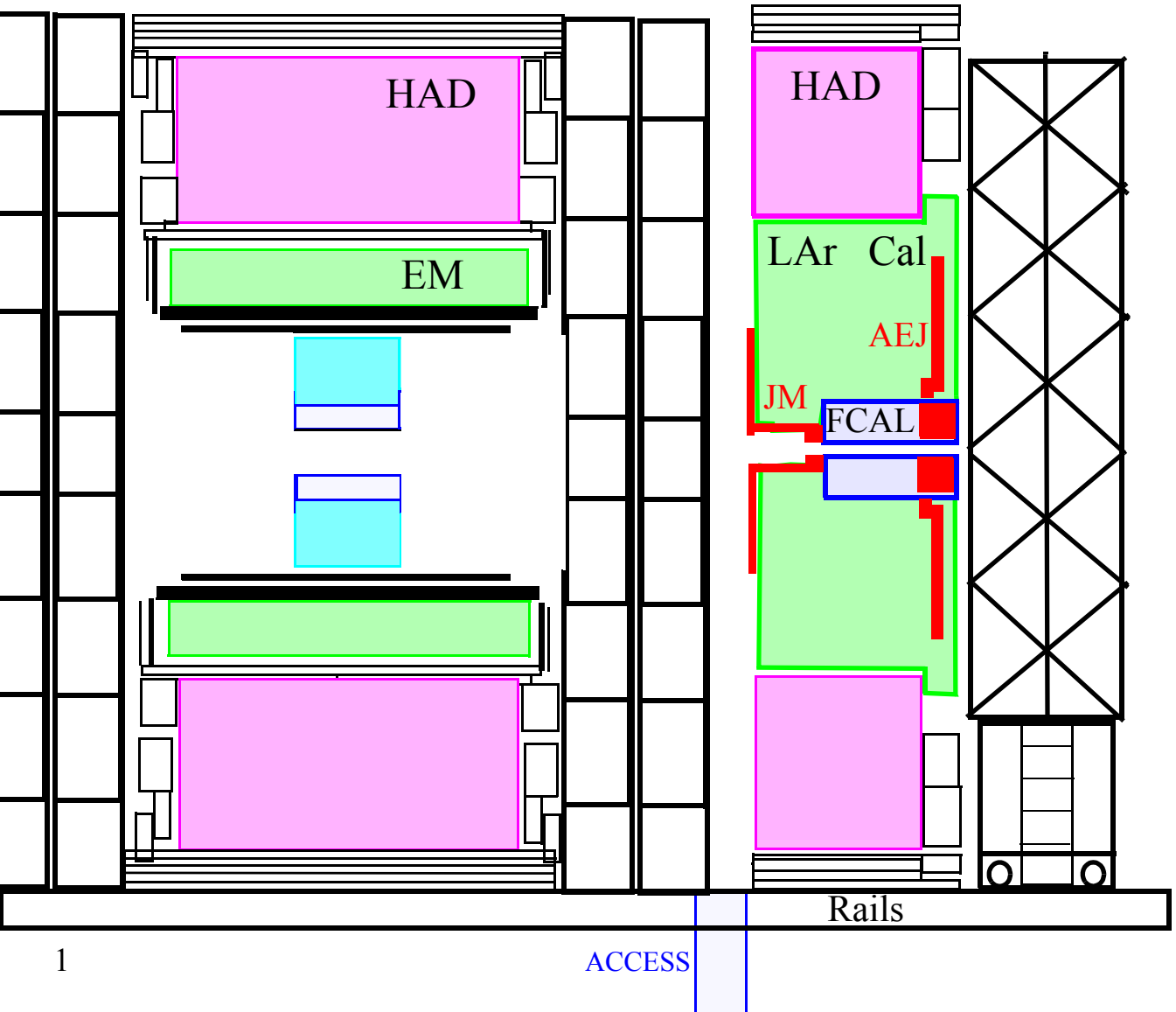
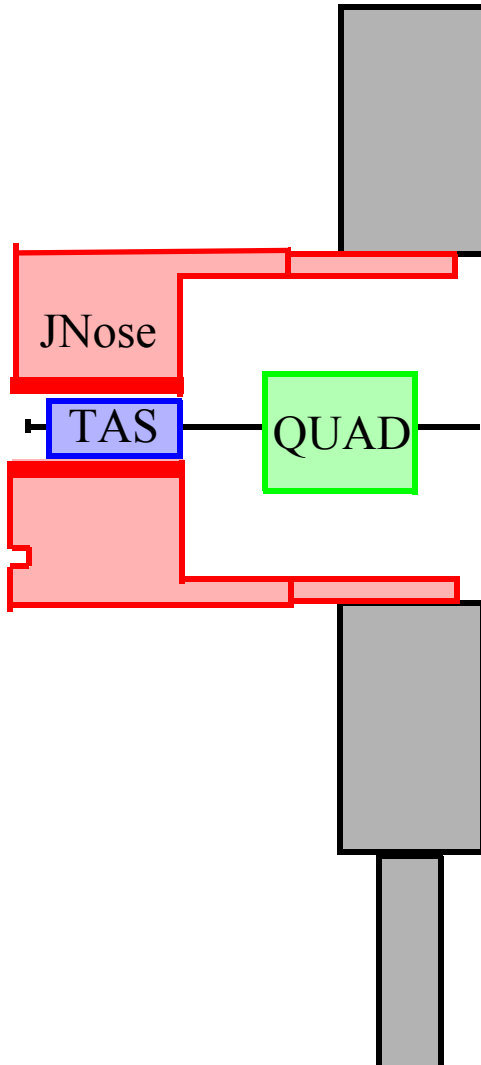
Side C

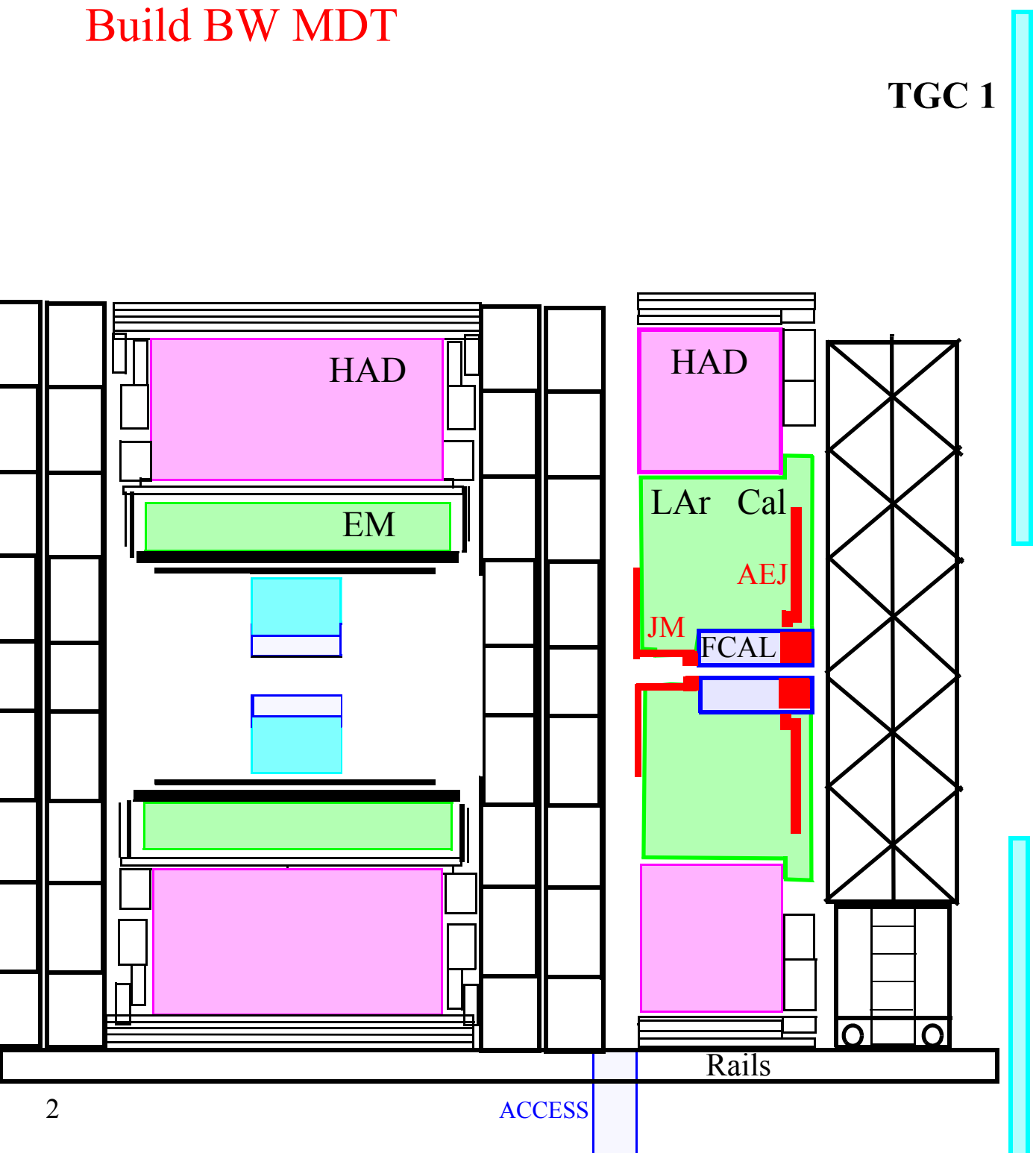
The scenario starts with the installation of the MDT BW in November 2006 !

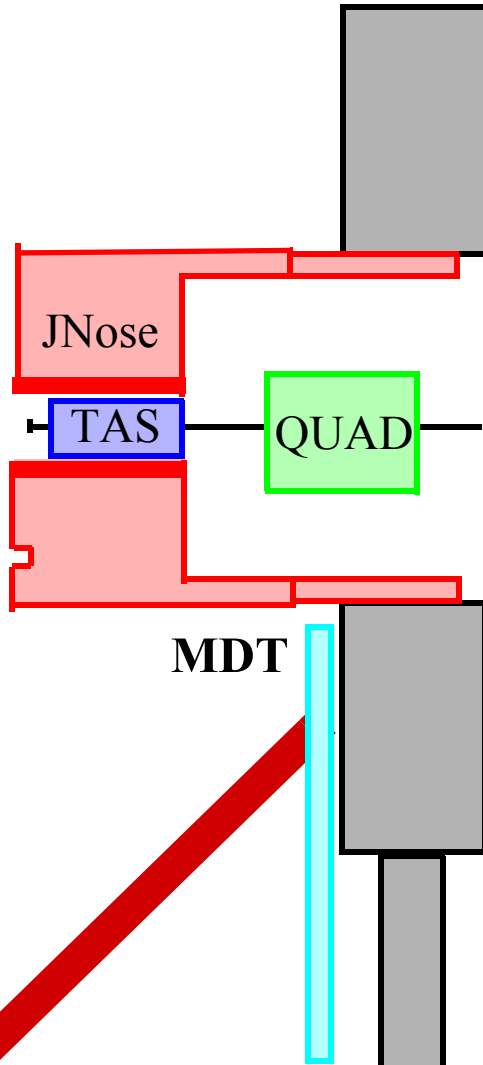


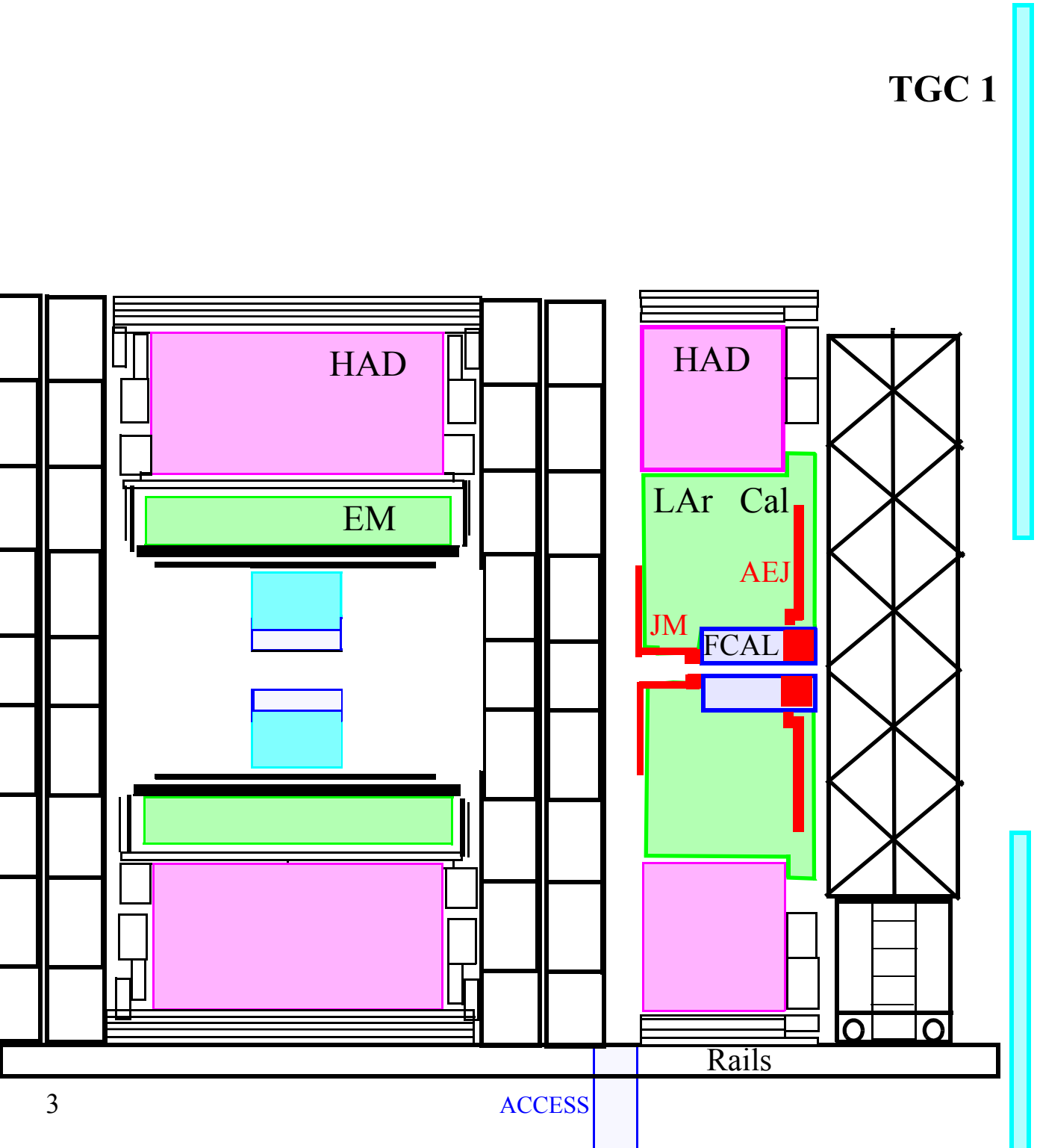
TGC 1

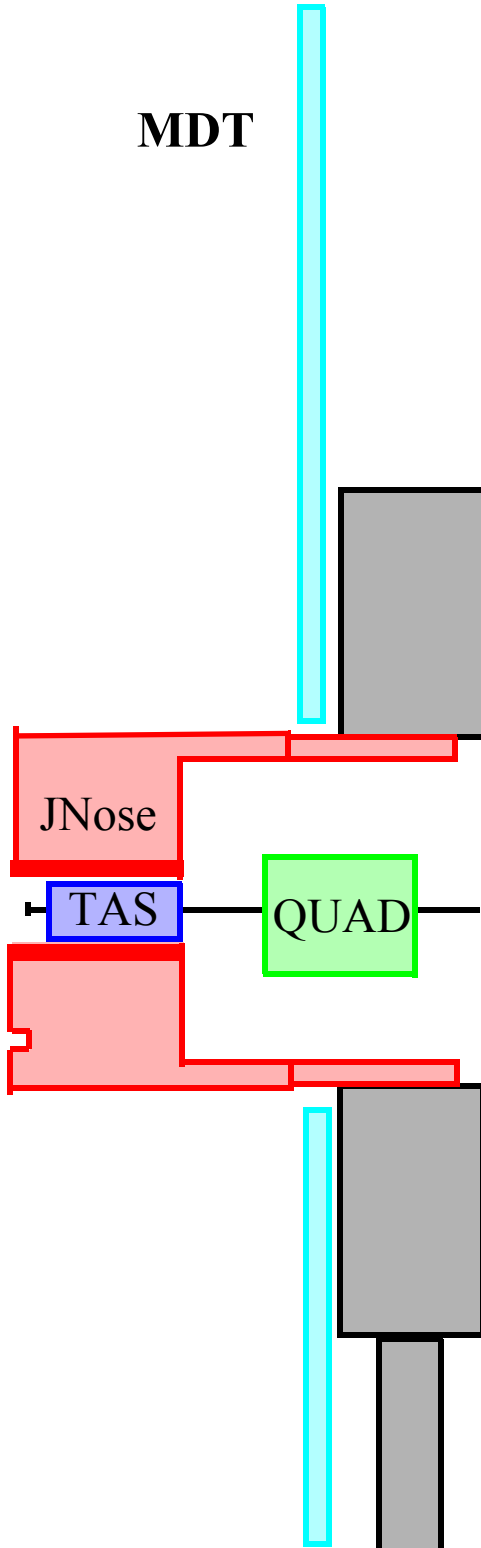


Build BW MDT

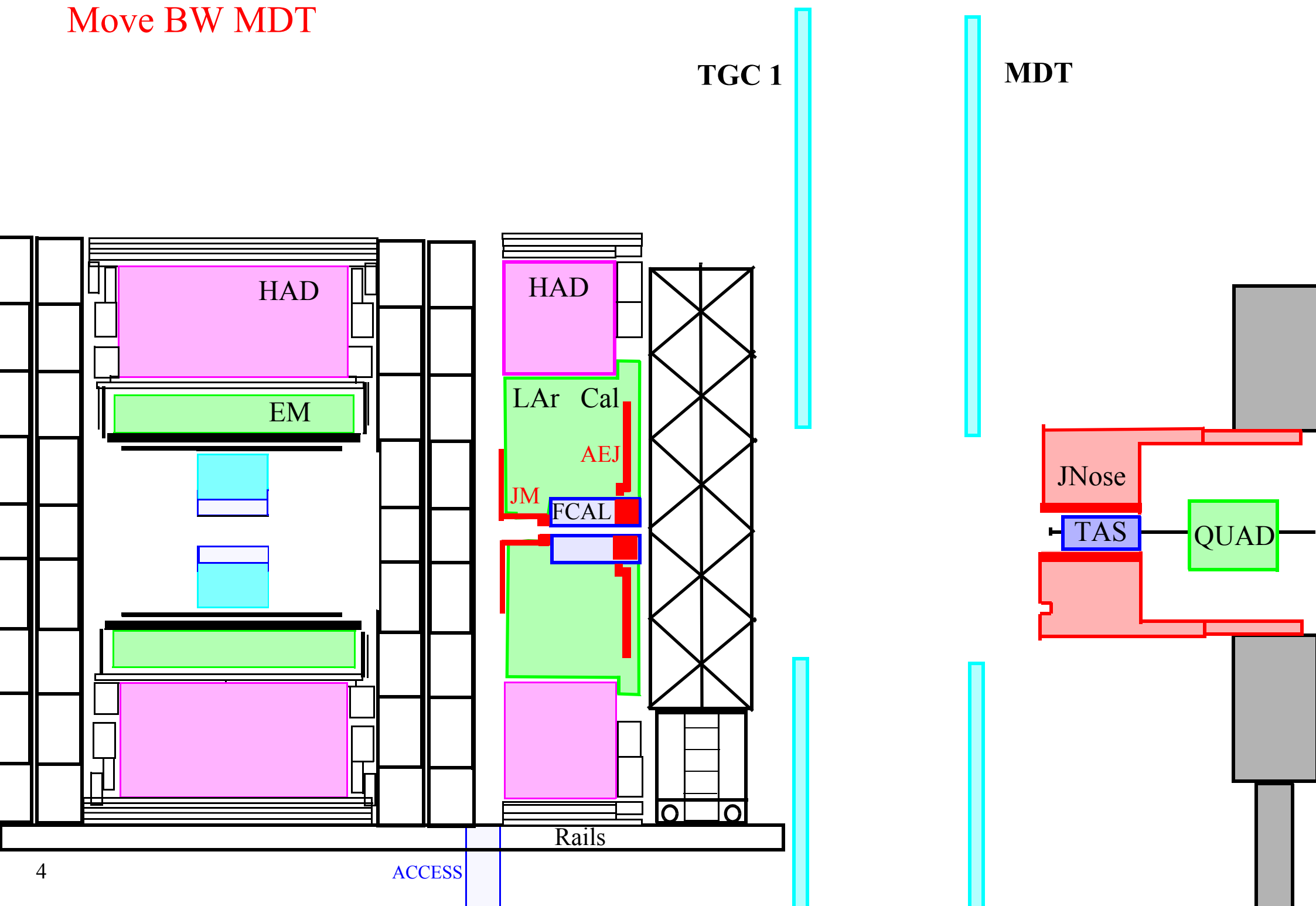

TGC 1
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
Rails
ACCESS

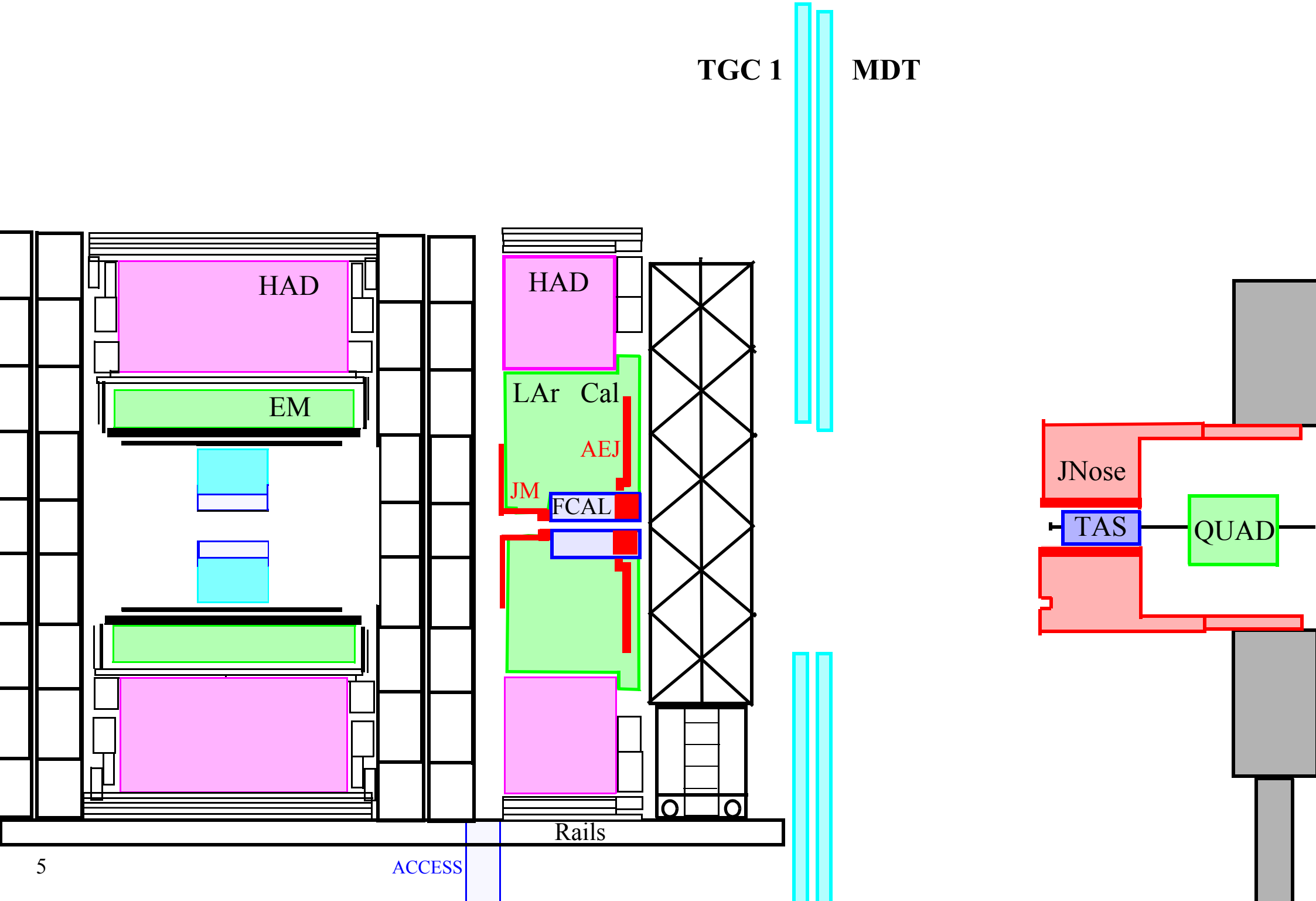

JNose
TAS
QUAD
MDT


TGC 1
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
Rails
ACCESS

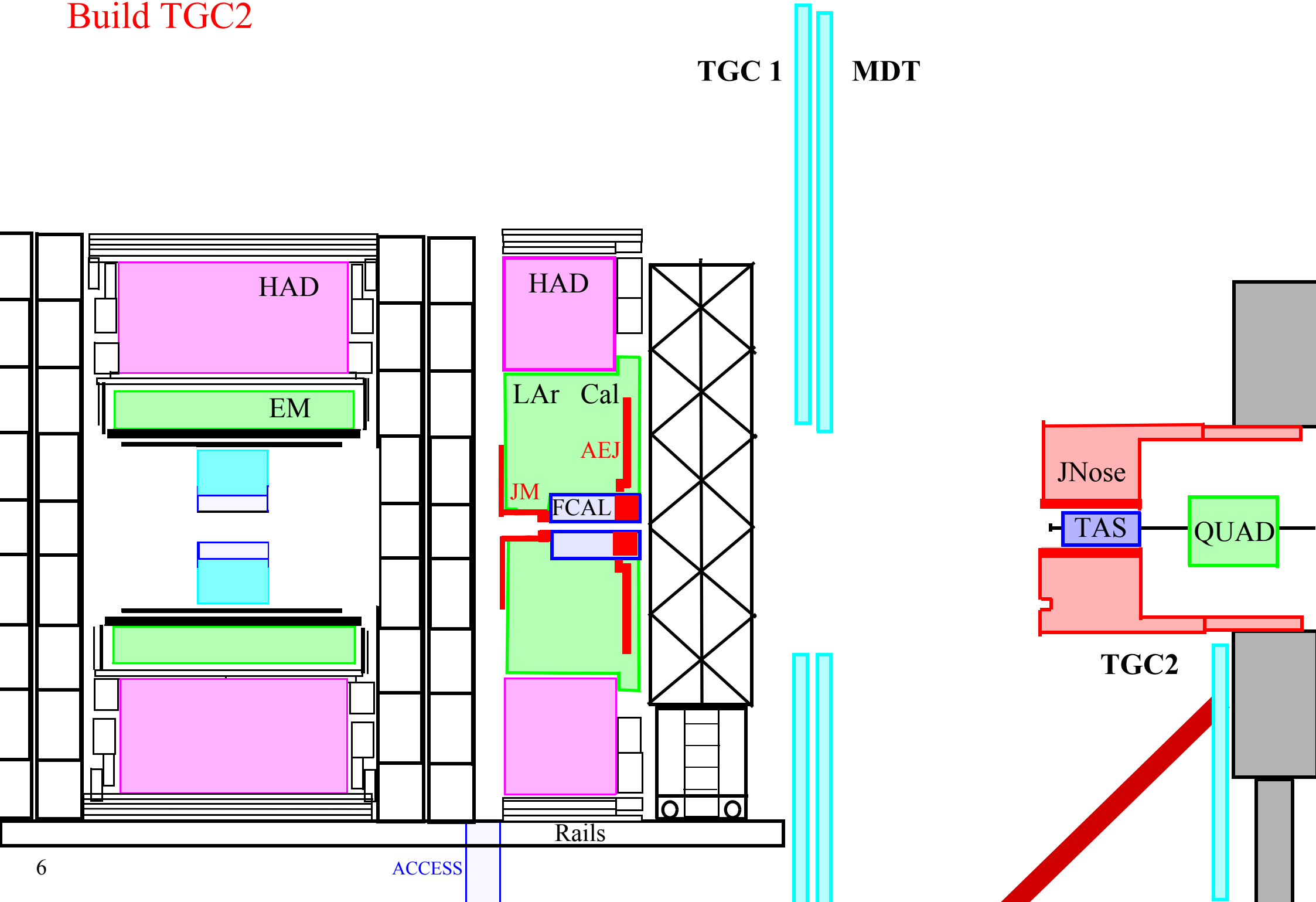

MDT
JNose
TAS
QUAD

Move BW MDT

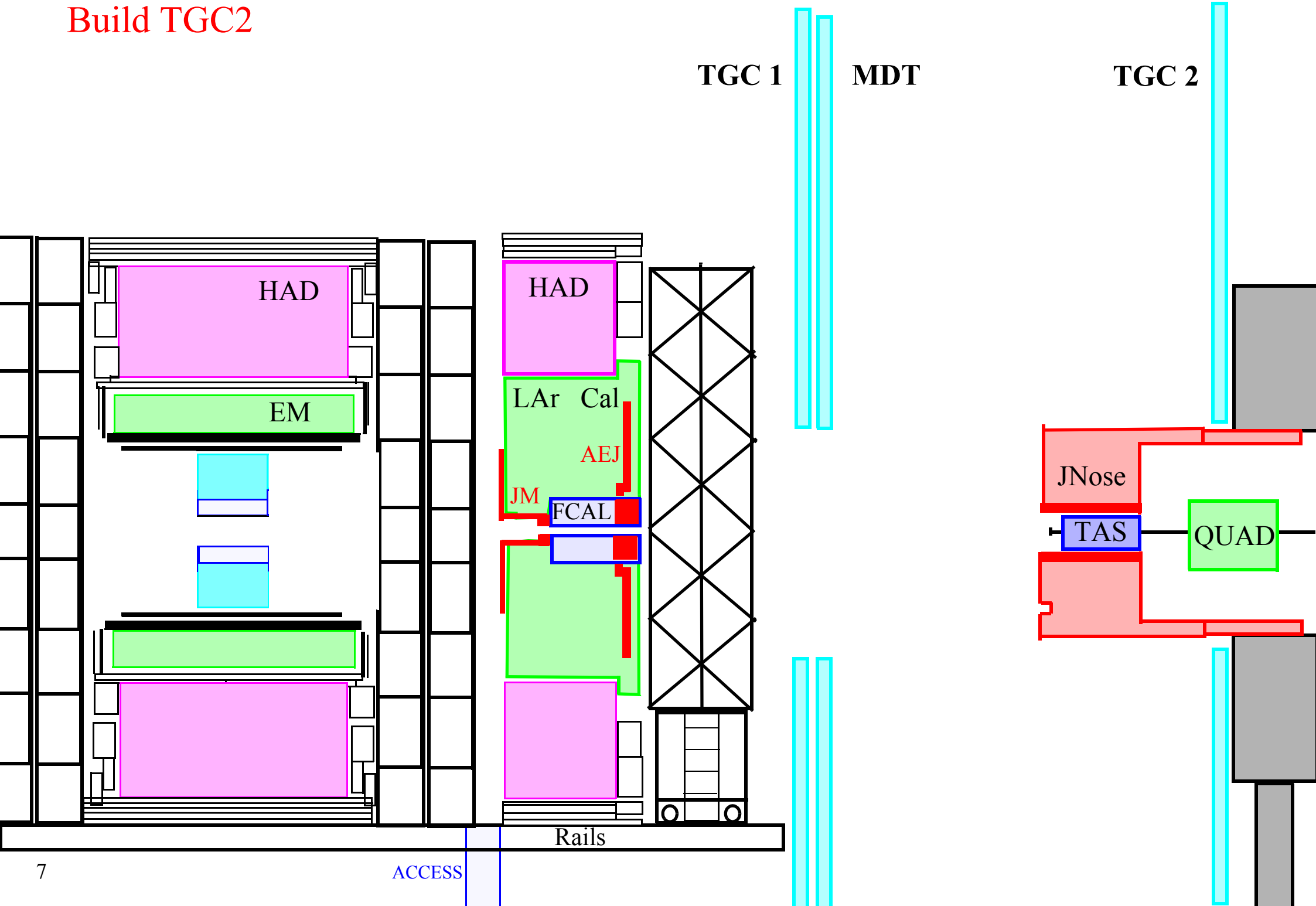

TGC 1
MDT
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

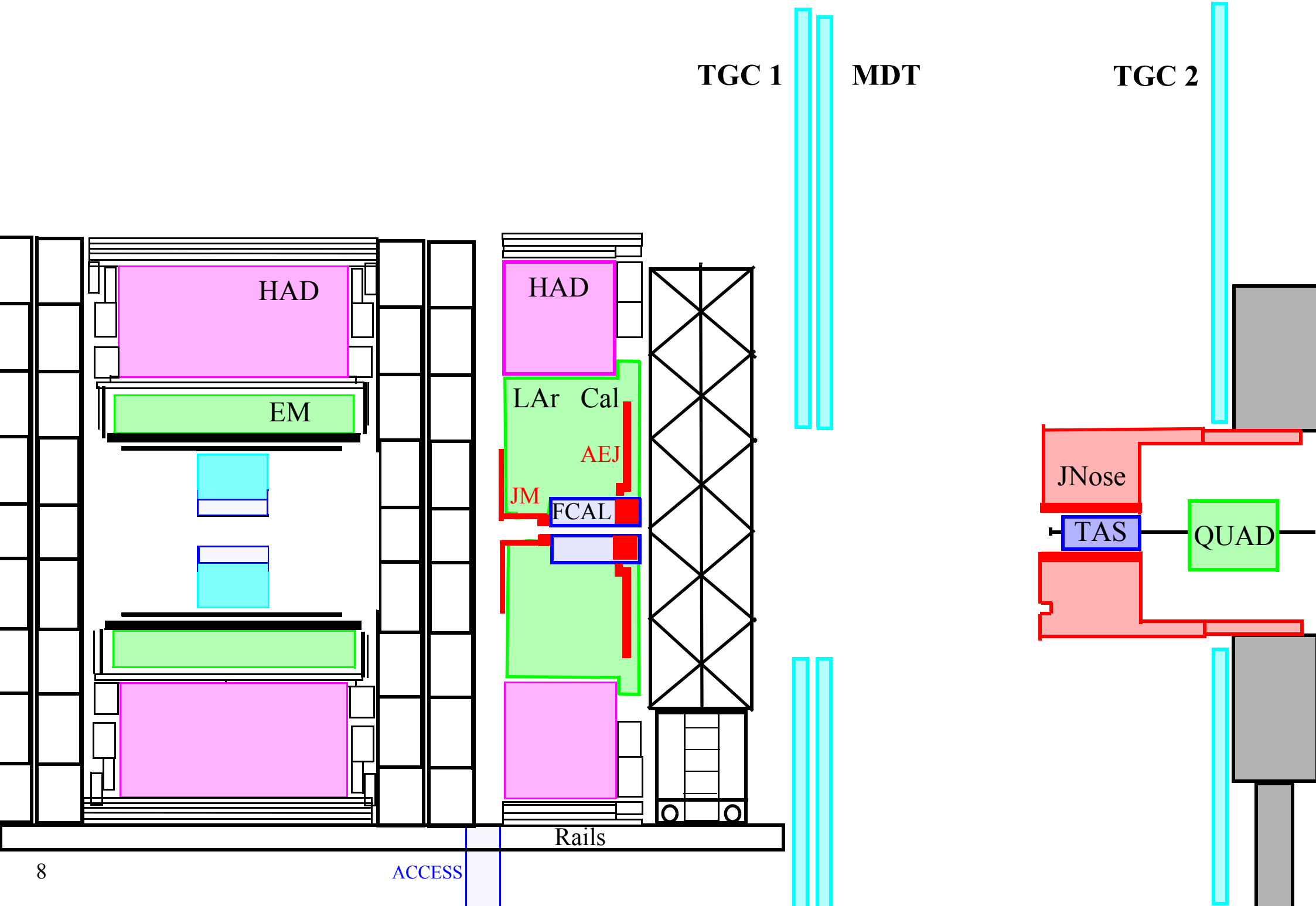

TGC 1
MDT
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

Build TGC2

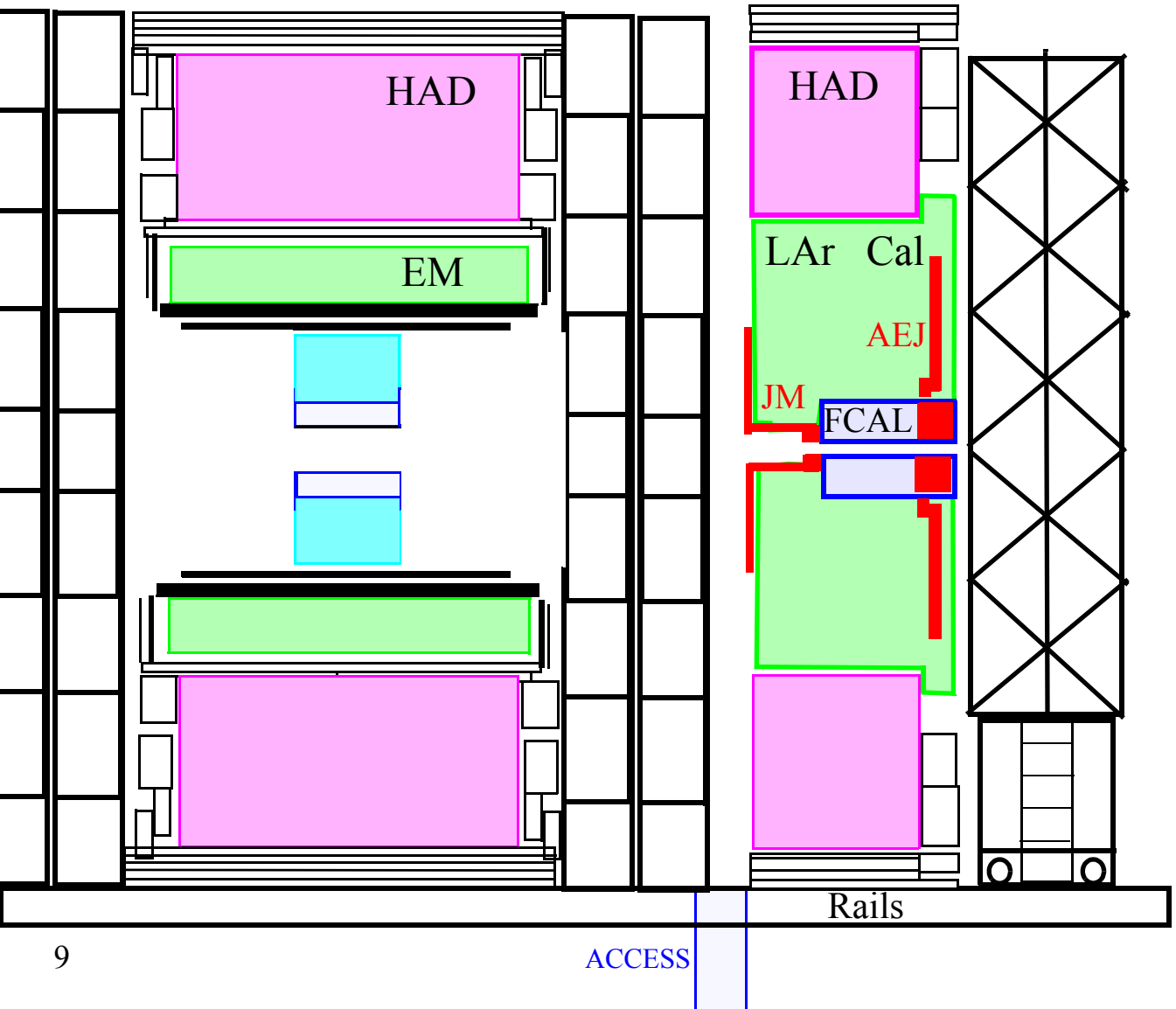

TGC 1
MDT
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
Rails
ACCESS
JNose
TAS
QUAD
TGC2

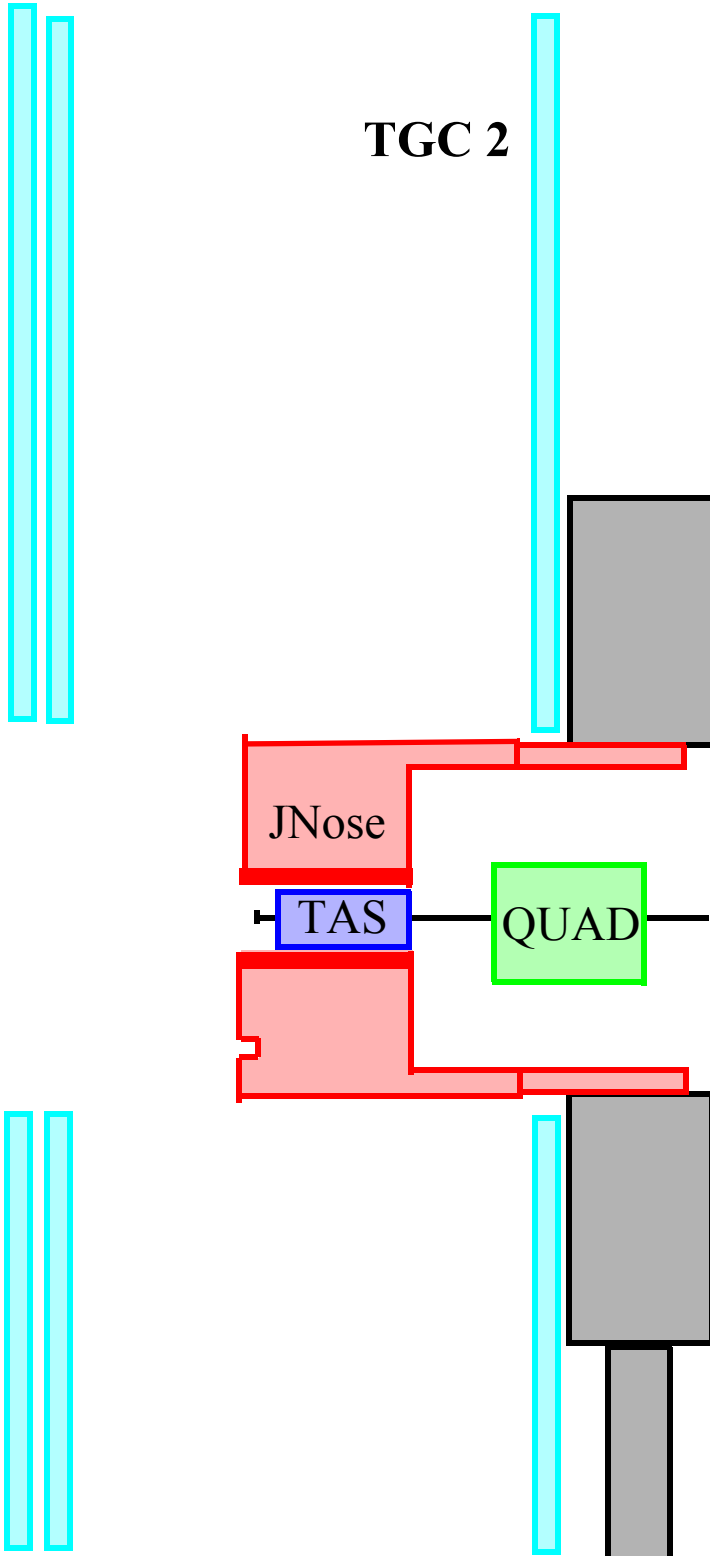
Build TGC2


TGC 1
MDT
TGC 2
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

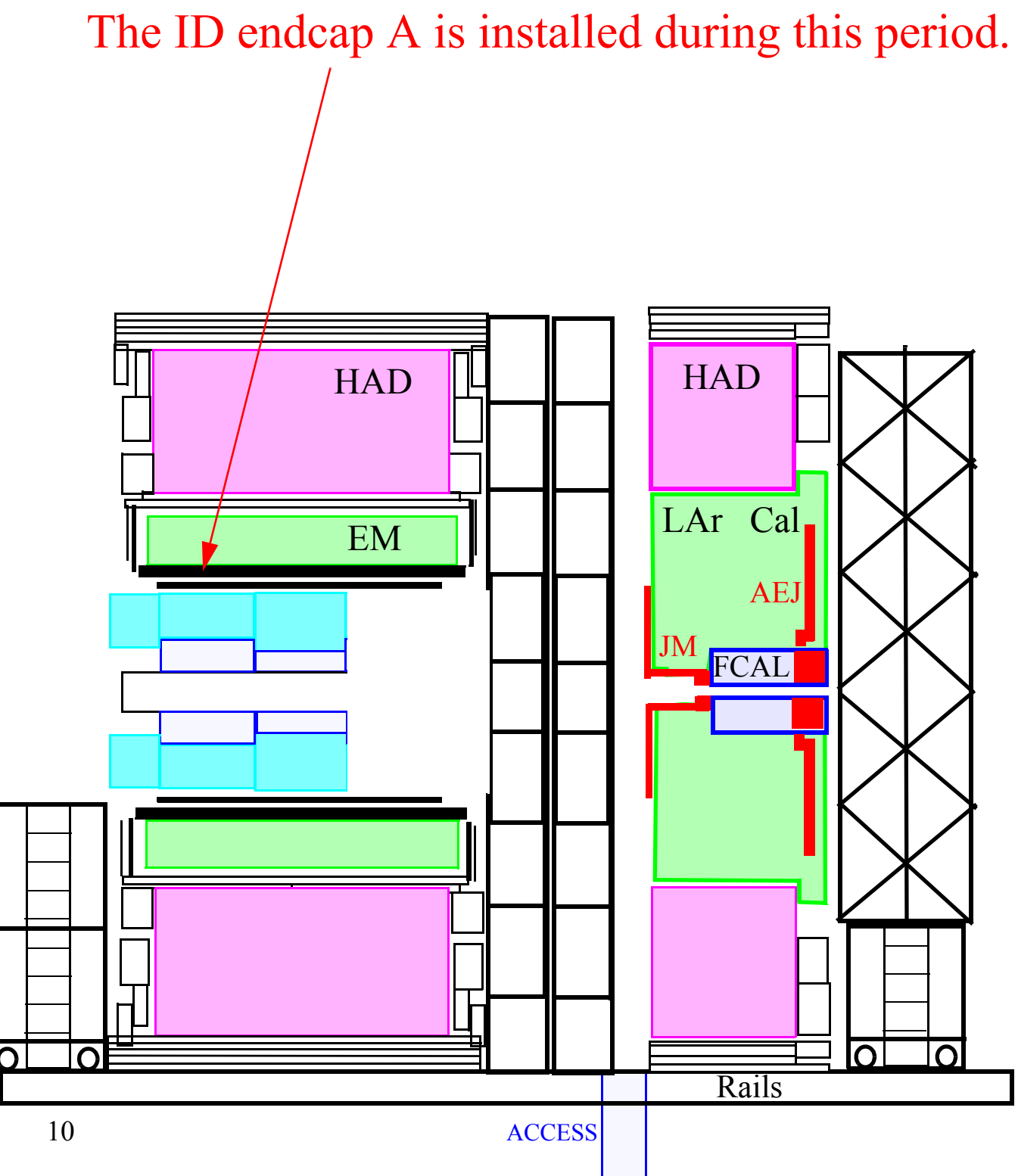

TGC 1
MDT
TGC 2
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

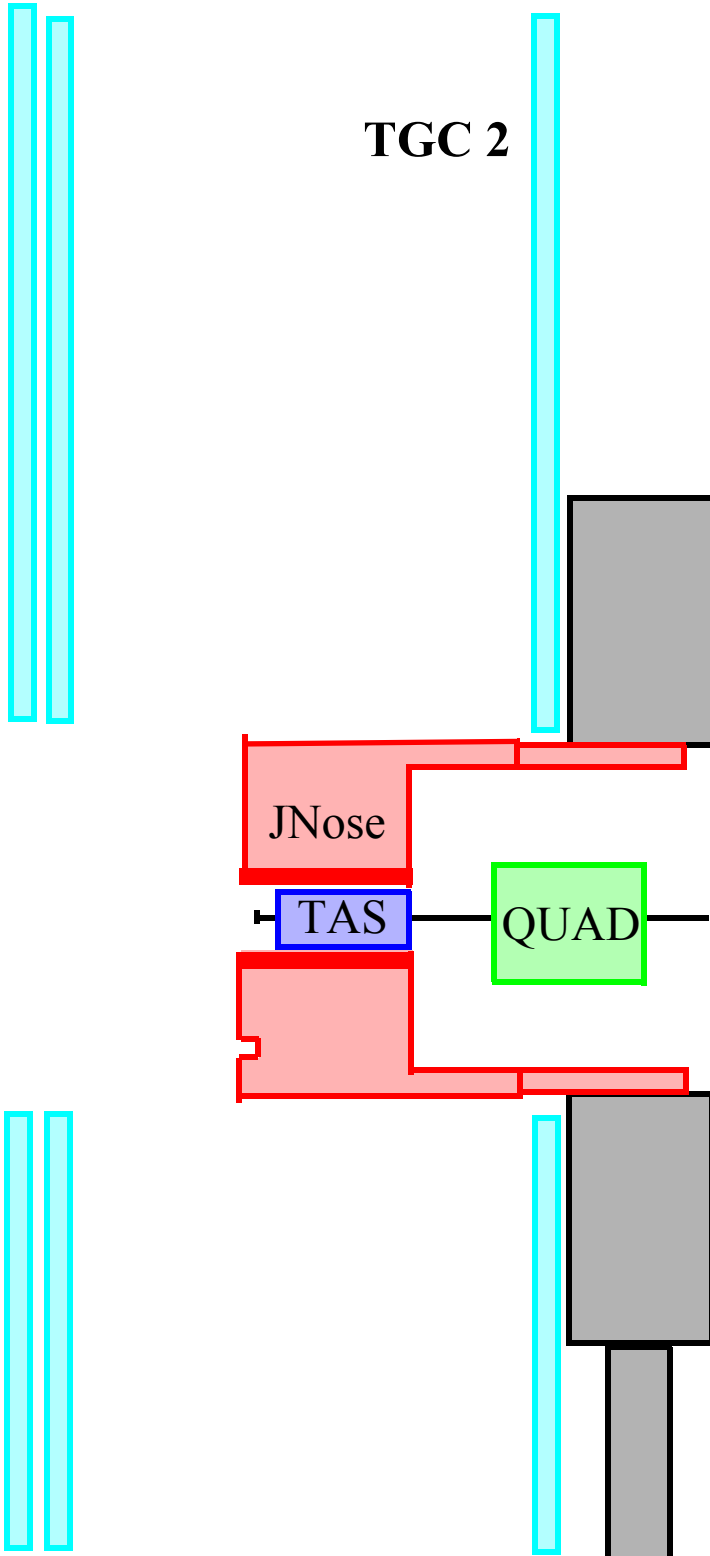
Move BW to garage position

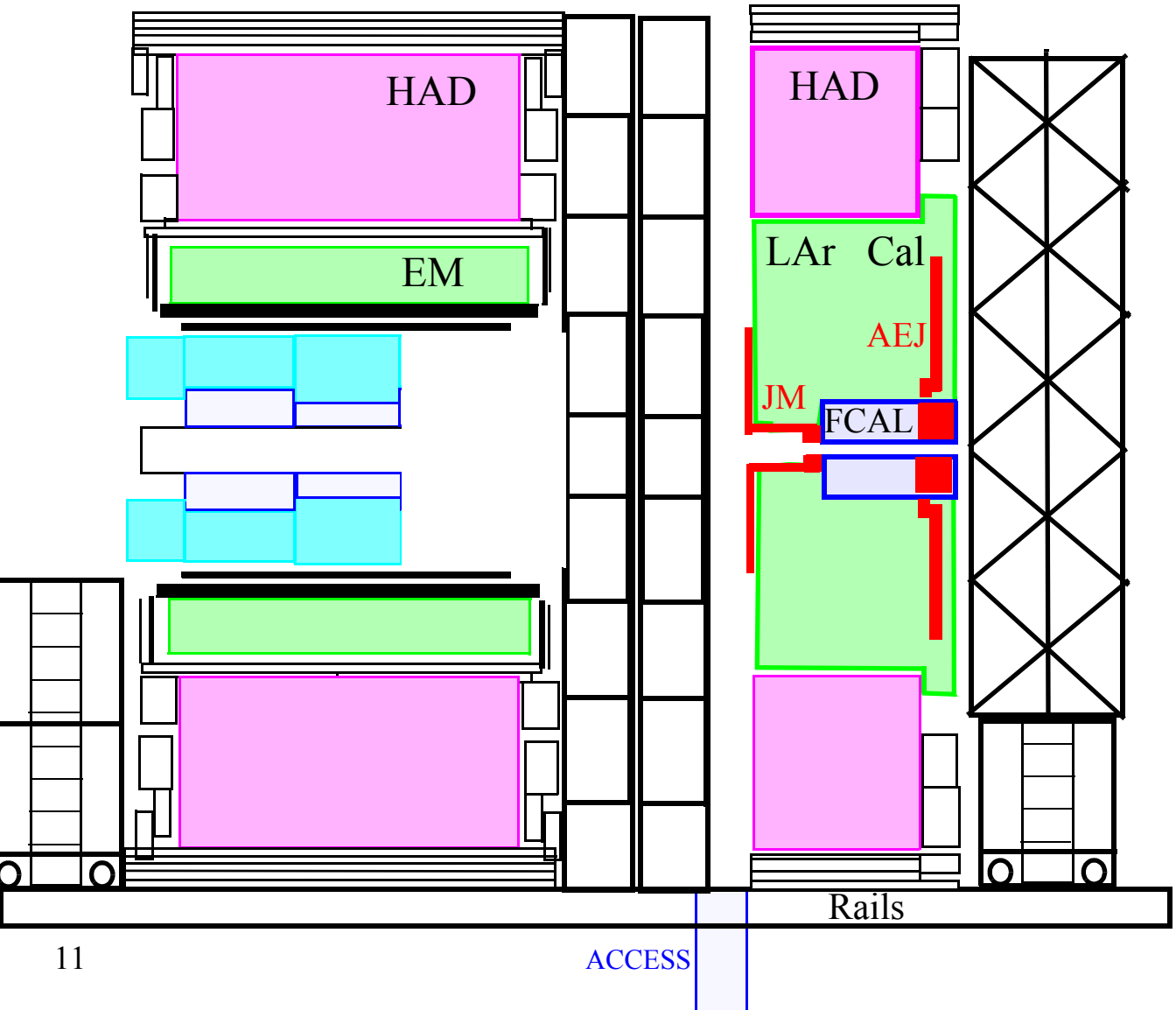


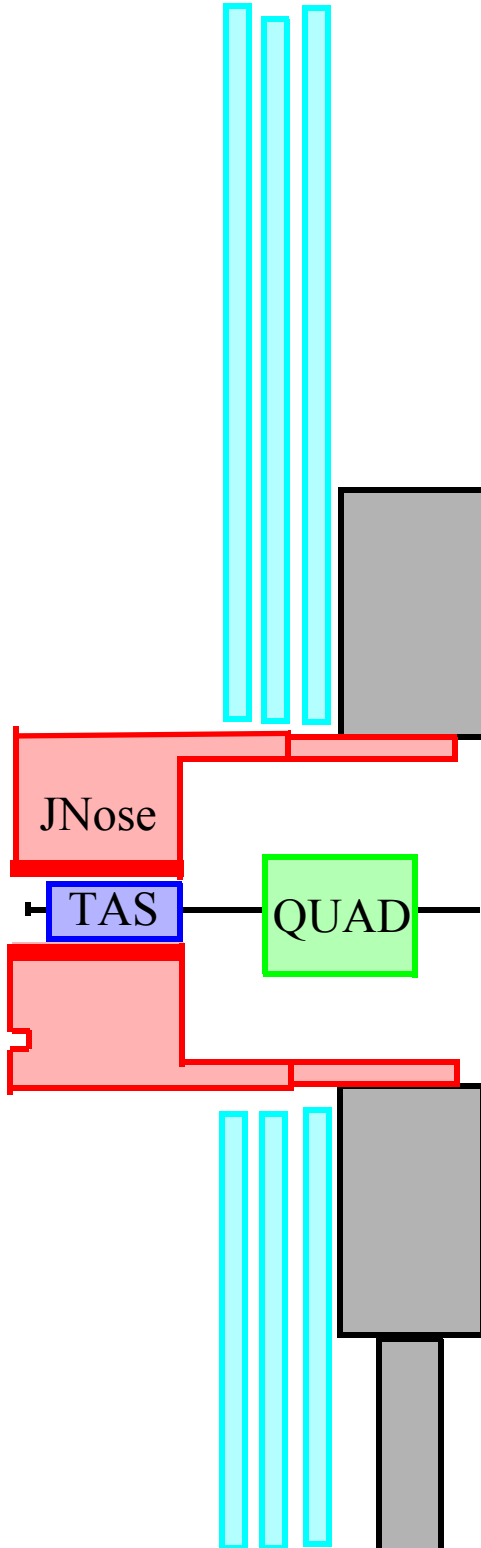


The ID endcap A is installed during this period.

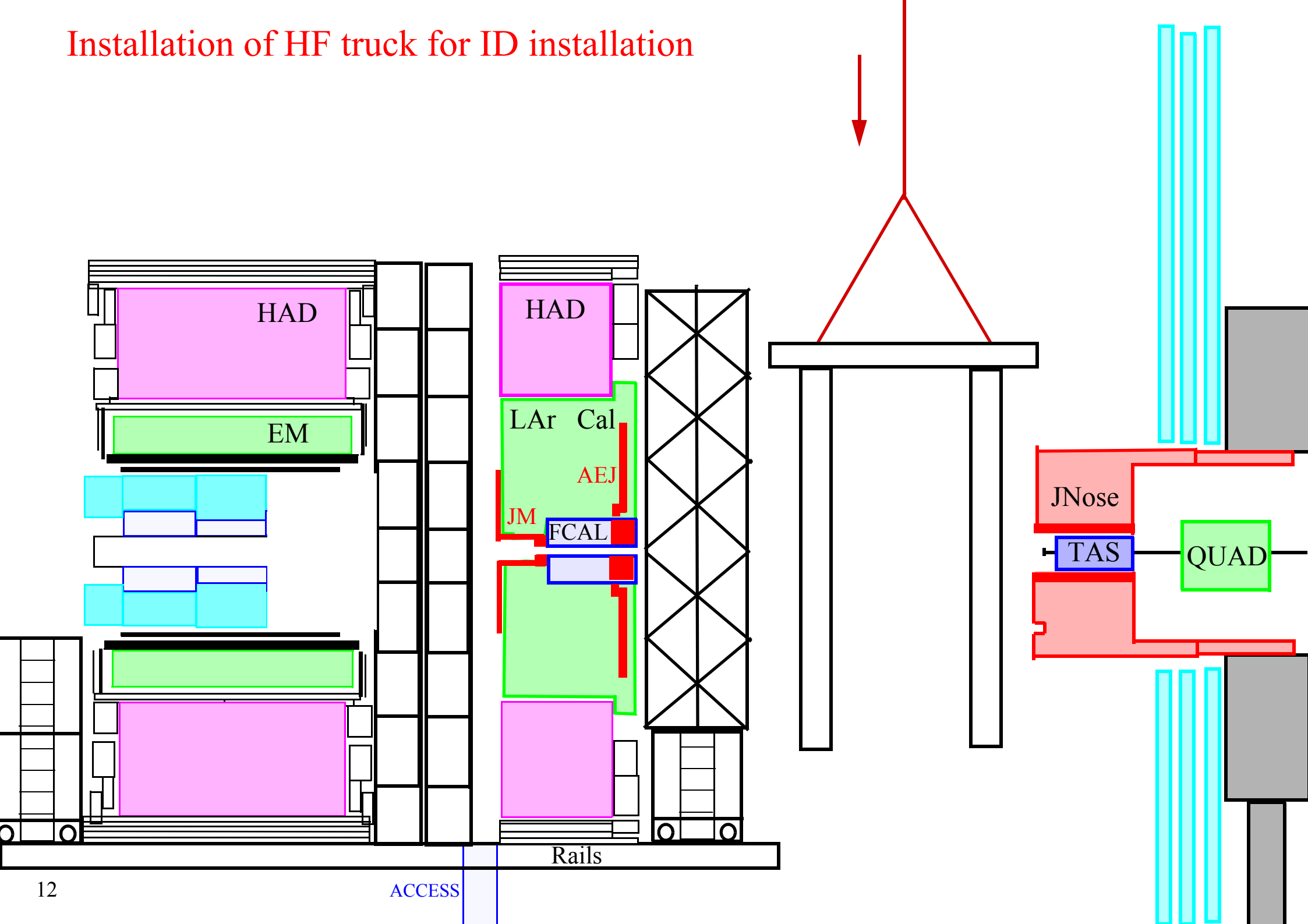


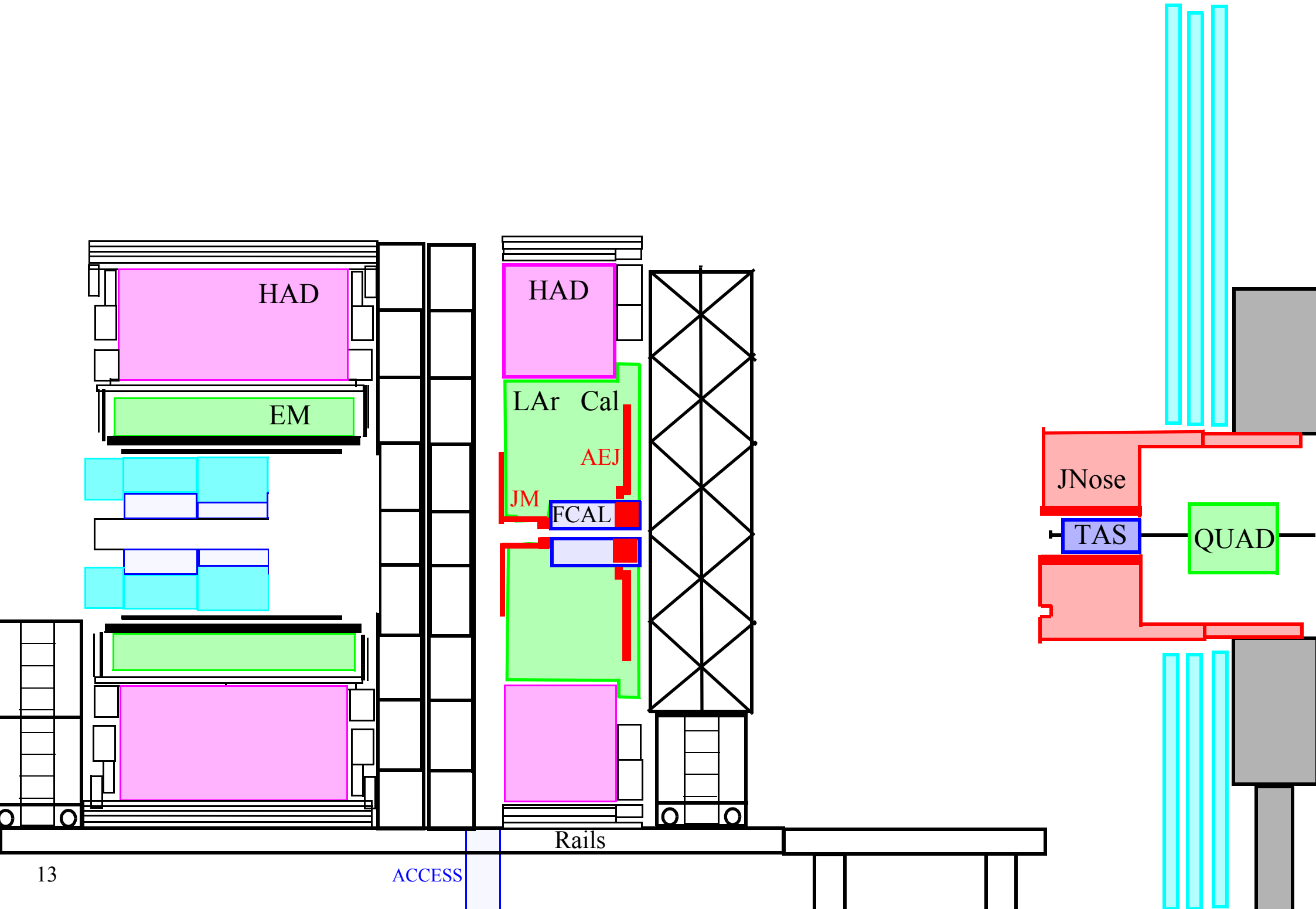



HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
Rails
ACCESS

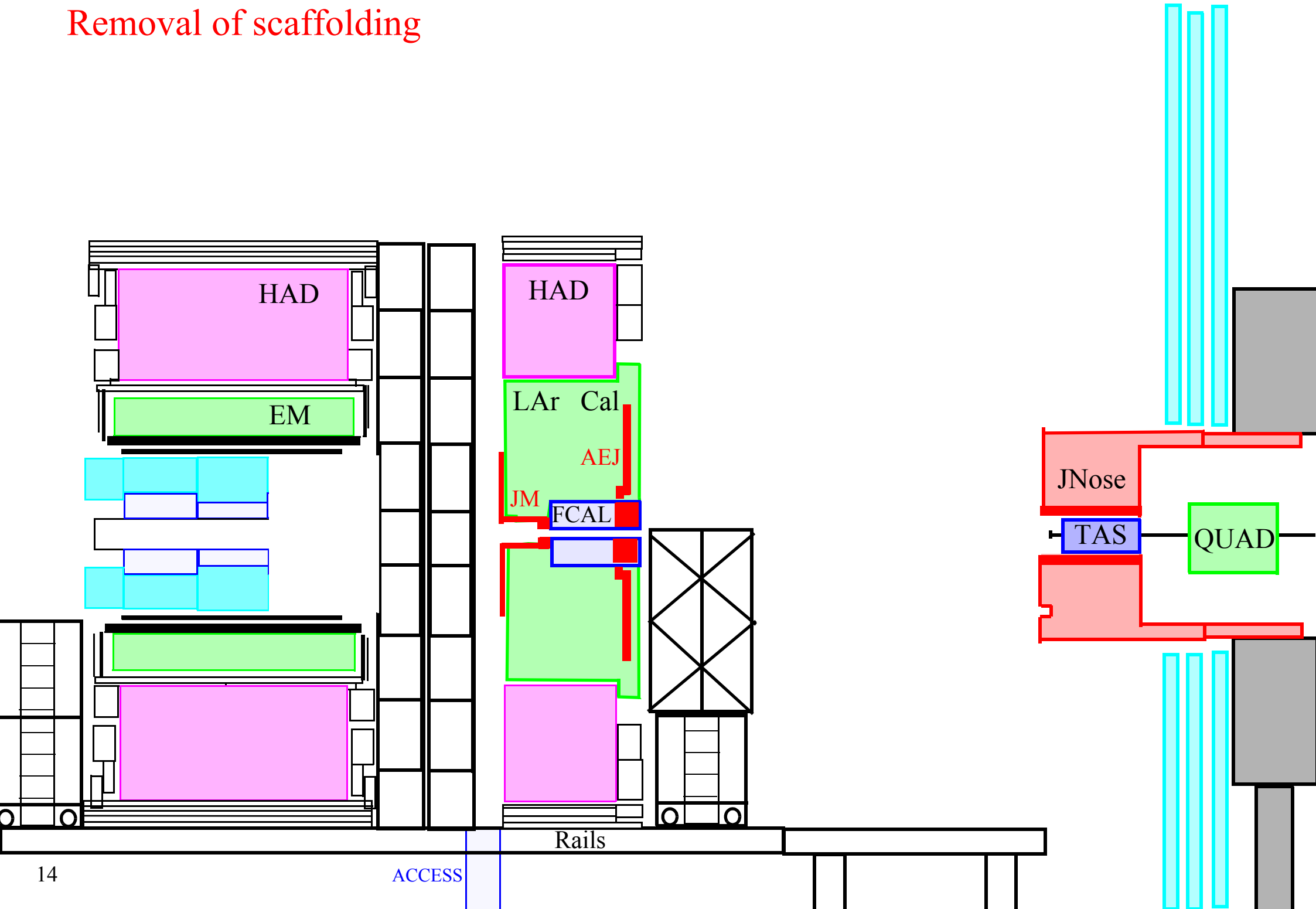

JNose
TAS
QUAD

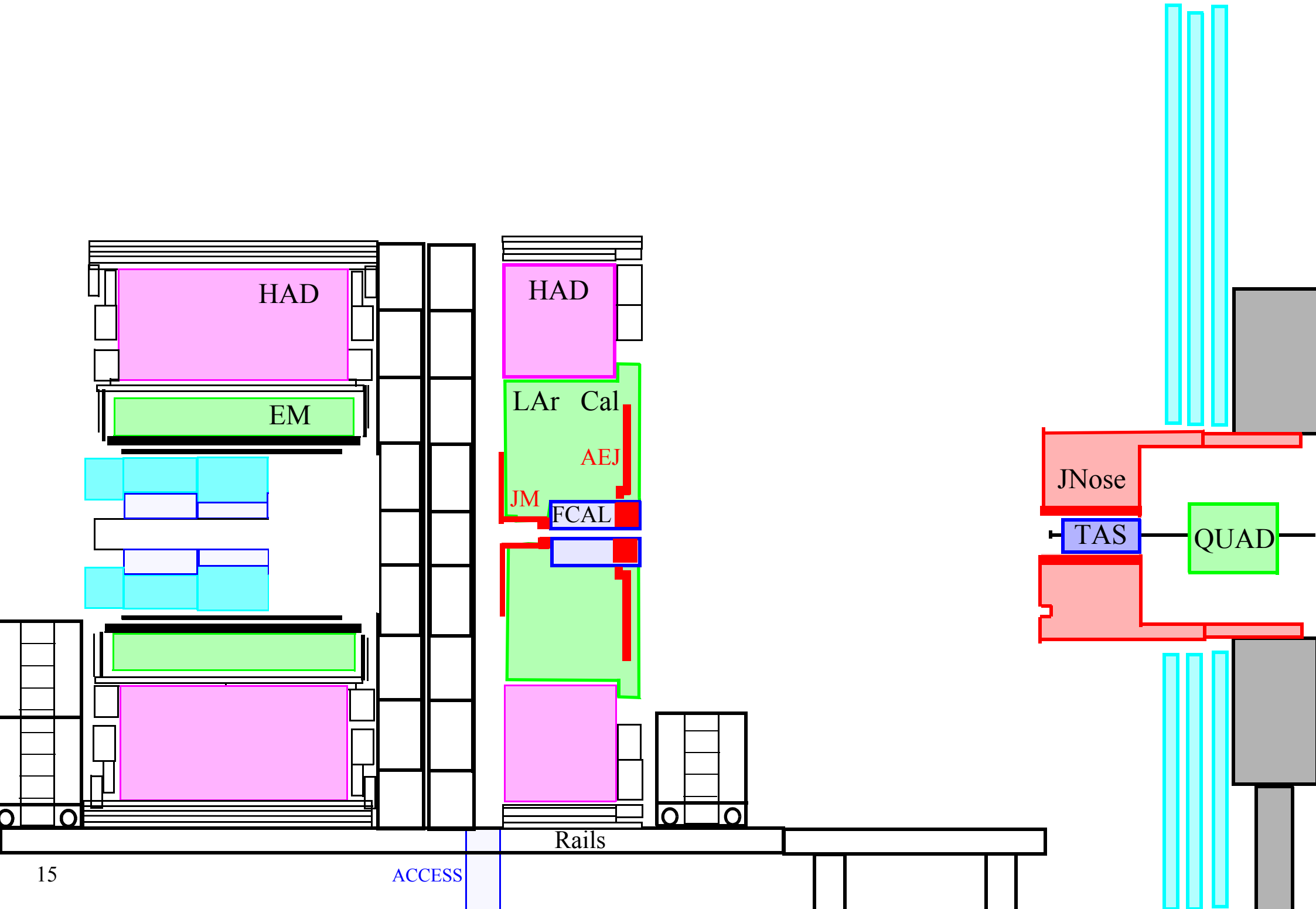
Installation of HF truck for ID installation

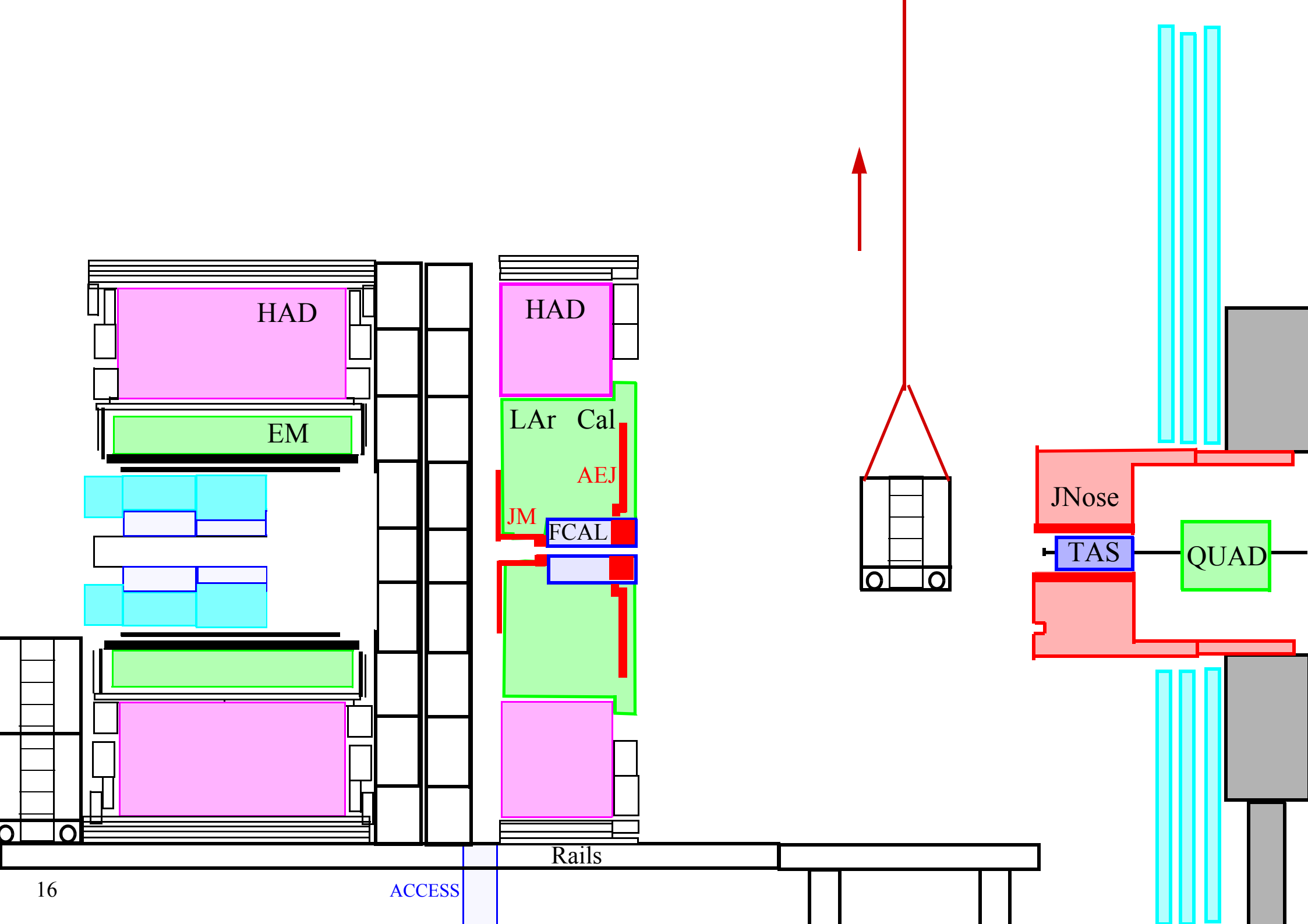



HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

Removal of scaffolding




HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS


HAD
EM
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LAr Cal
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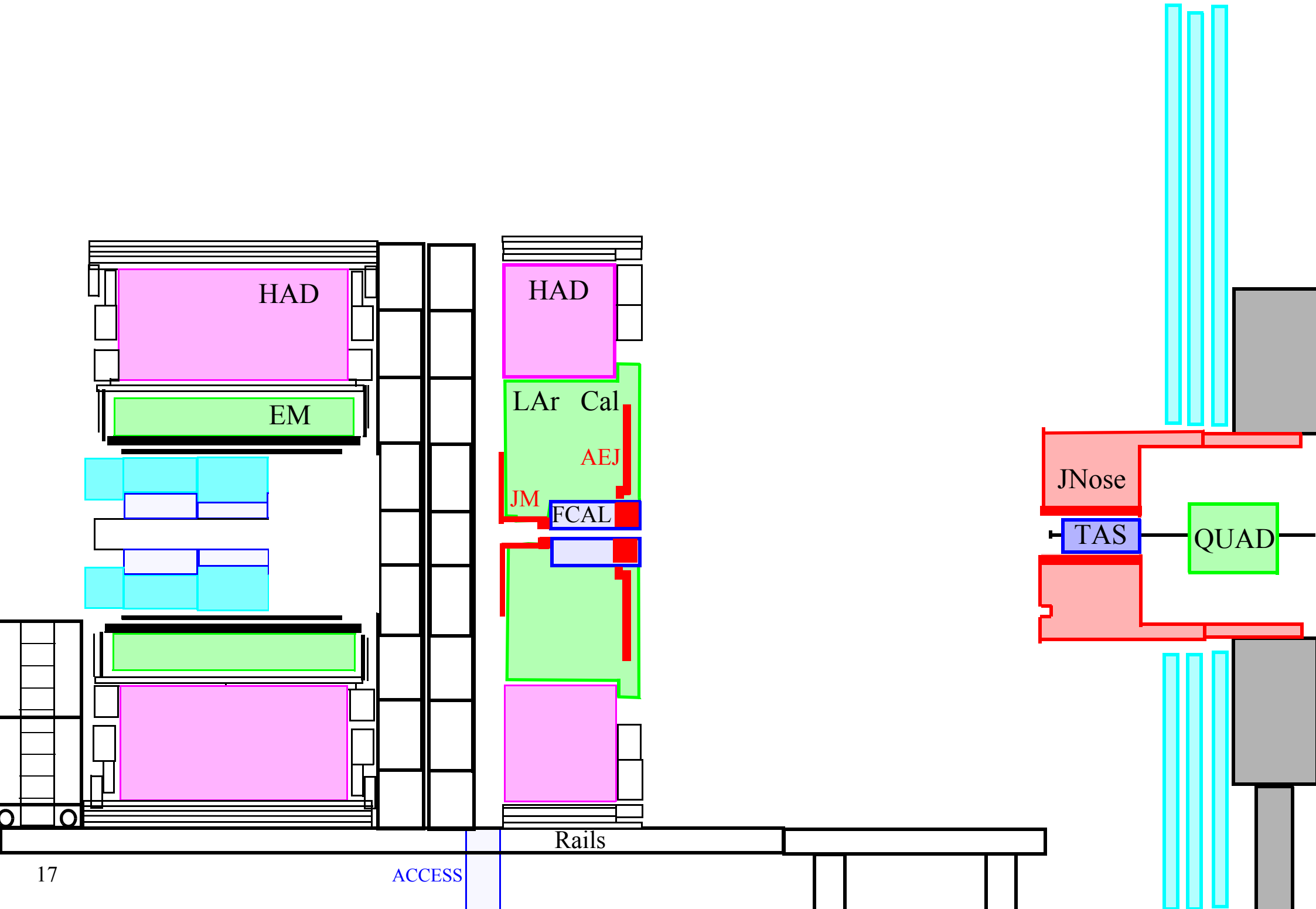
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS


HAD
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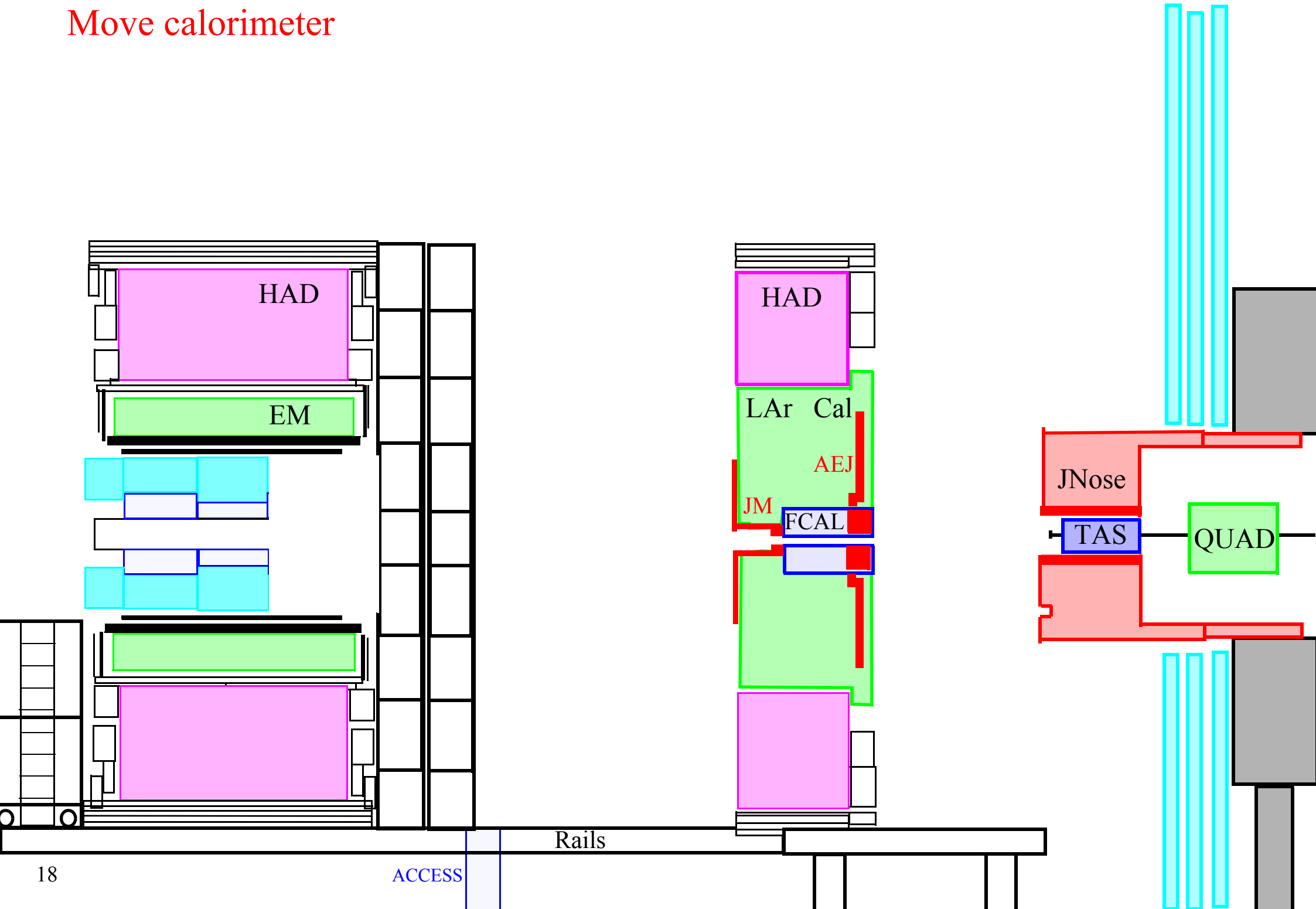
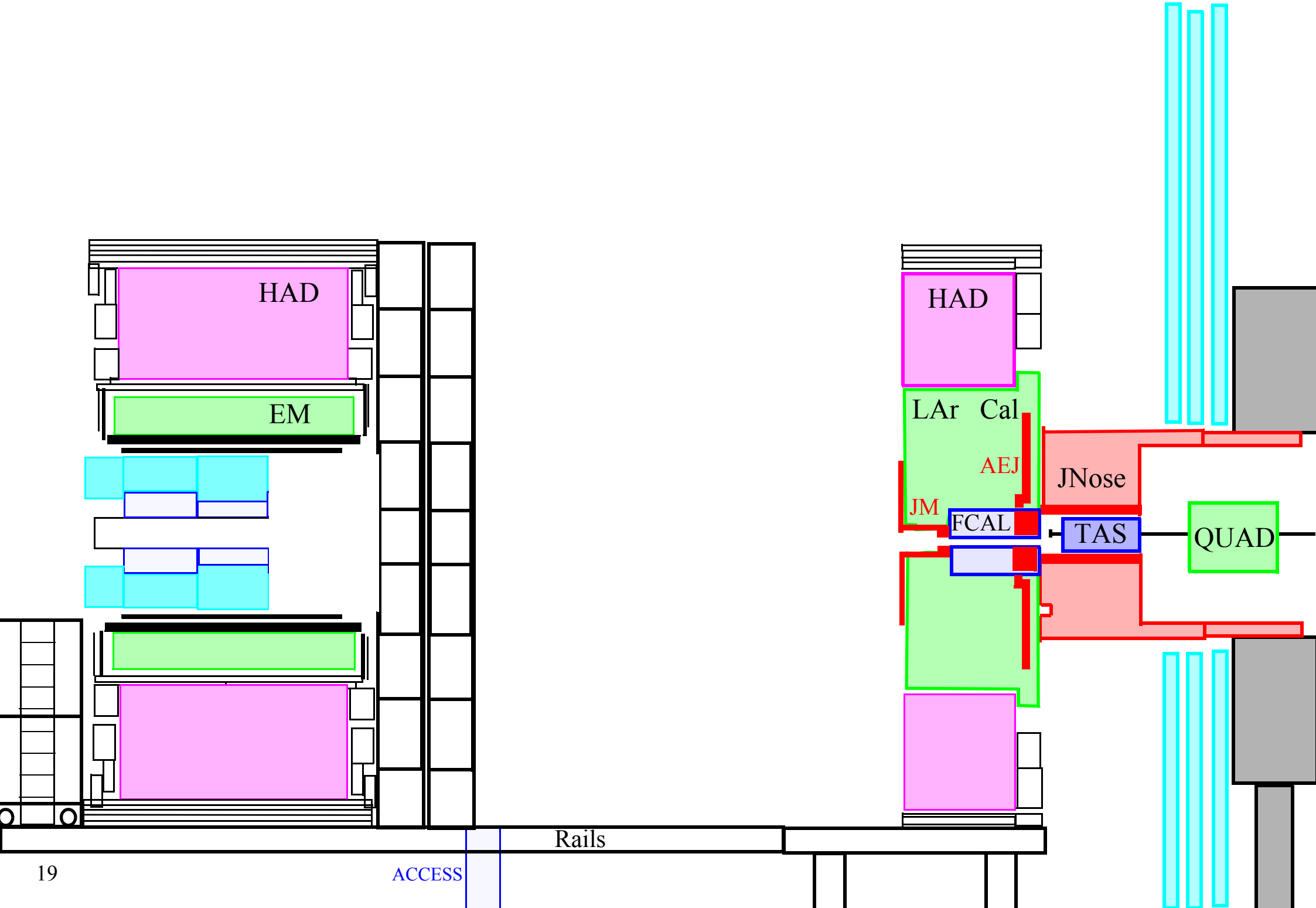
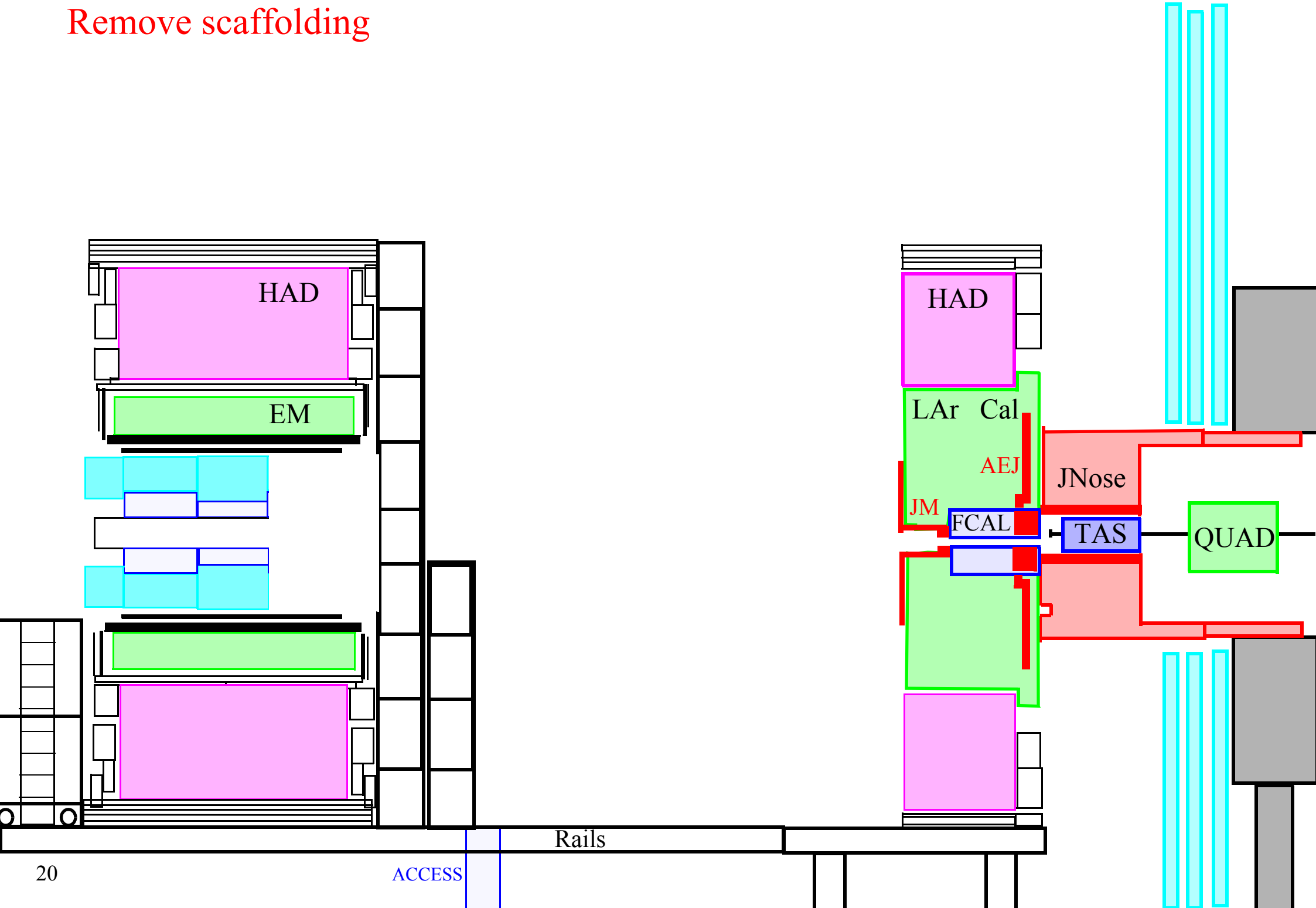
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

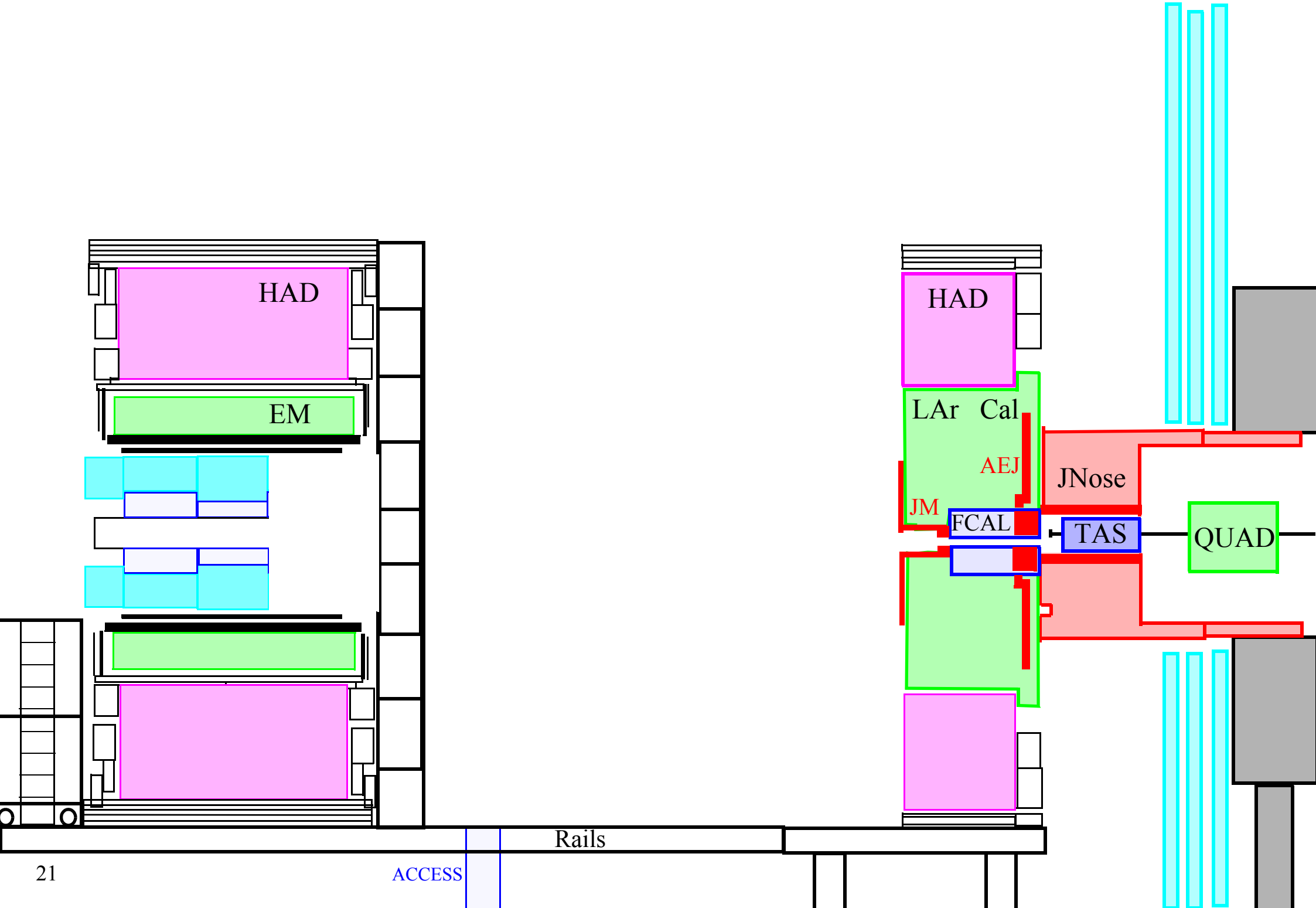
Move calorimeter




HAD
EM
HAD
LAr Cal
AEJ
JNose
JM
FCAL
TAS
QUAD
Rails
ACCESS

Remove scaffolding

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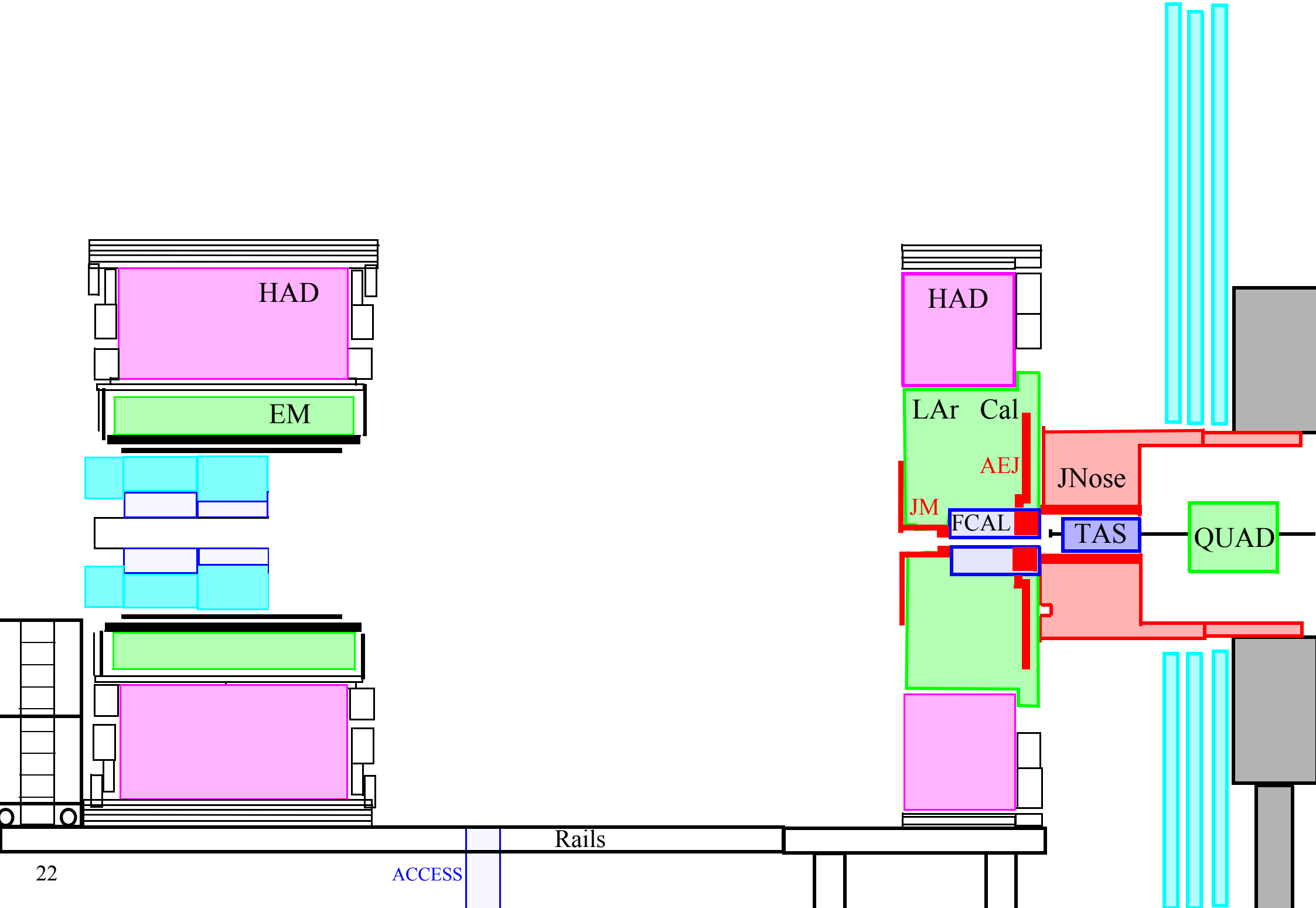
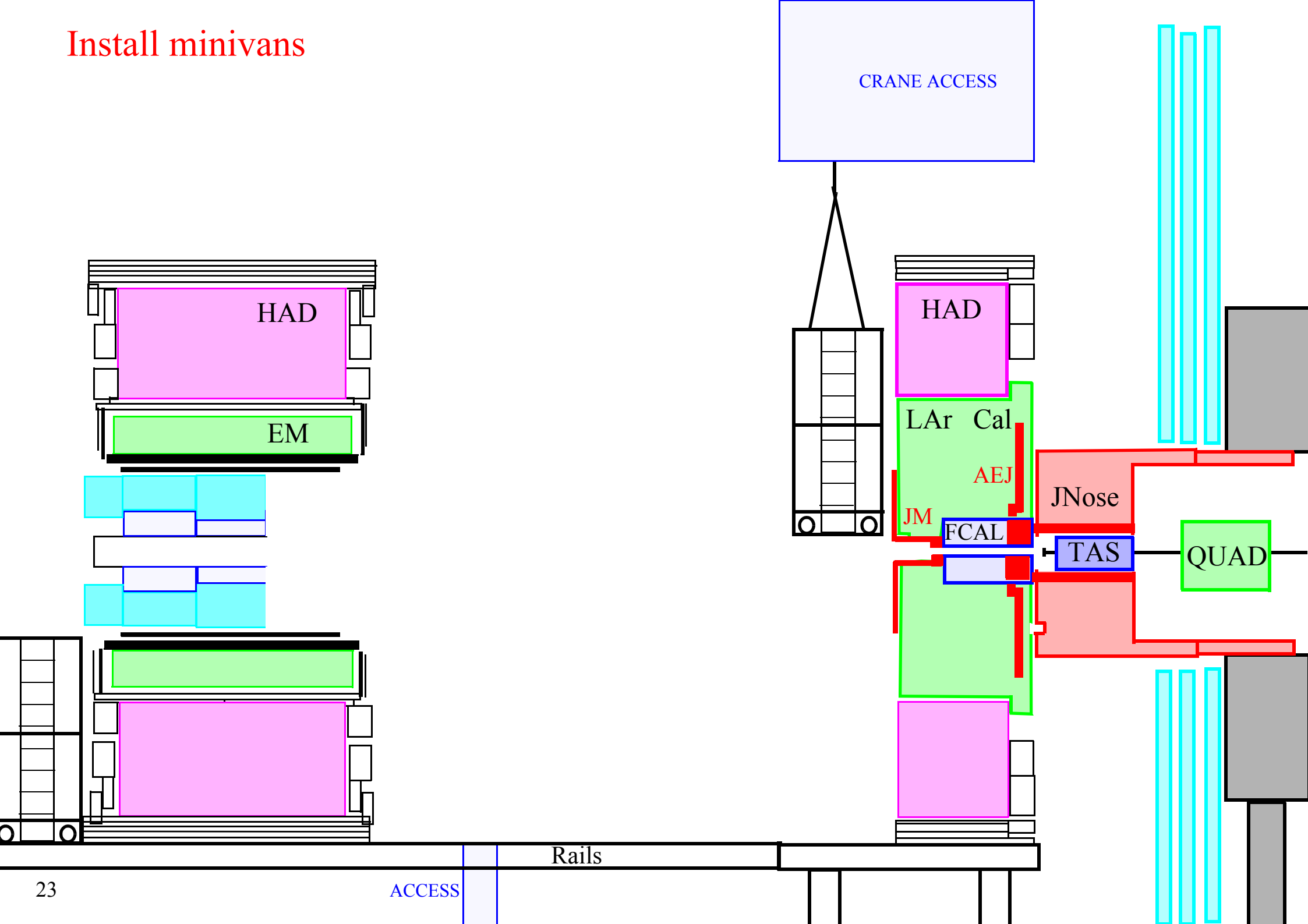
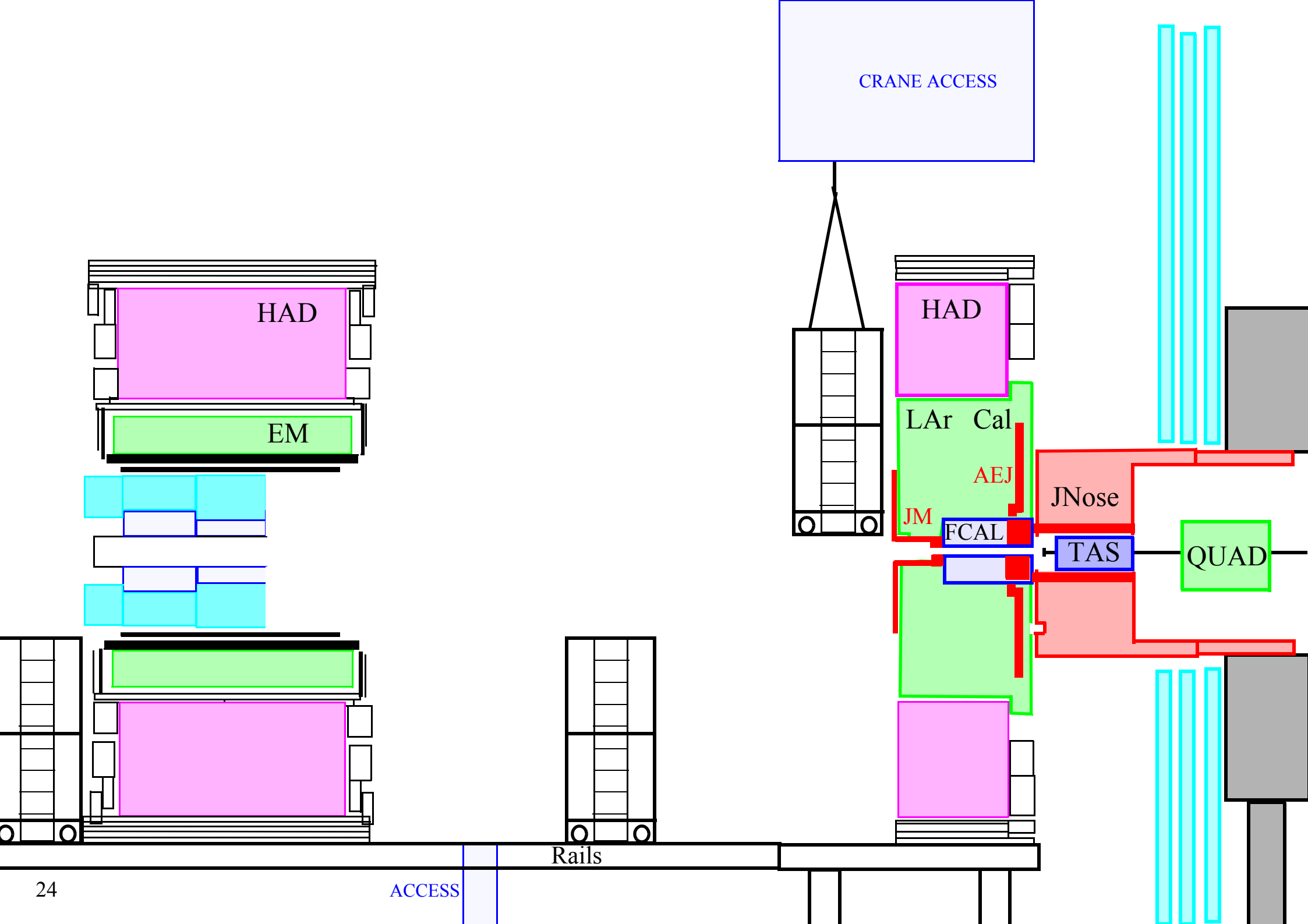
FCAL
TAS
QUAD
Rails
ACCESS


HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

Install minivans




CRANE ACCESS
HAD
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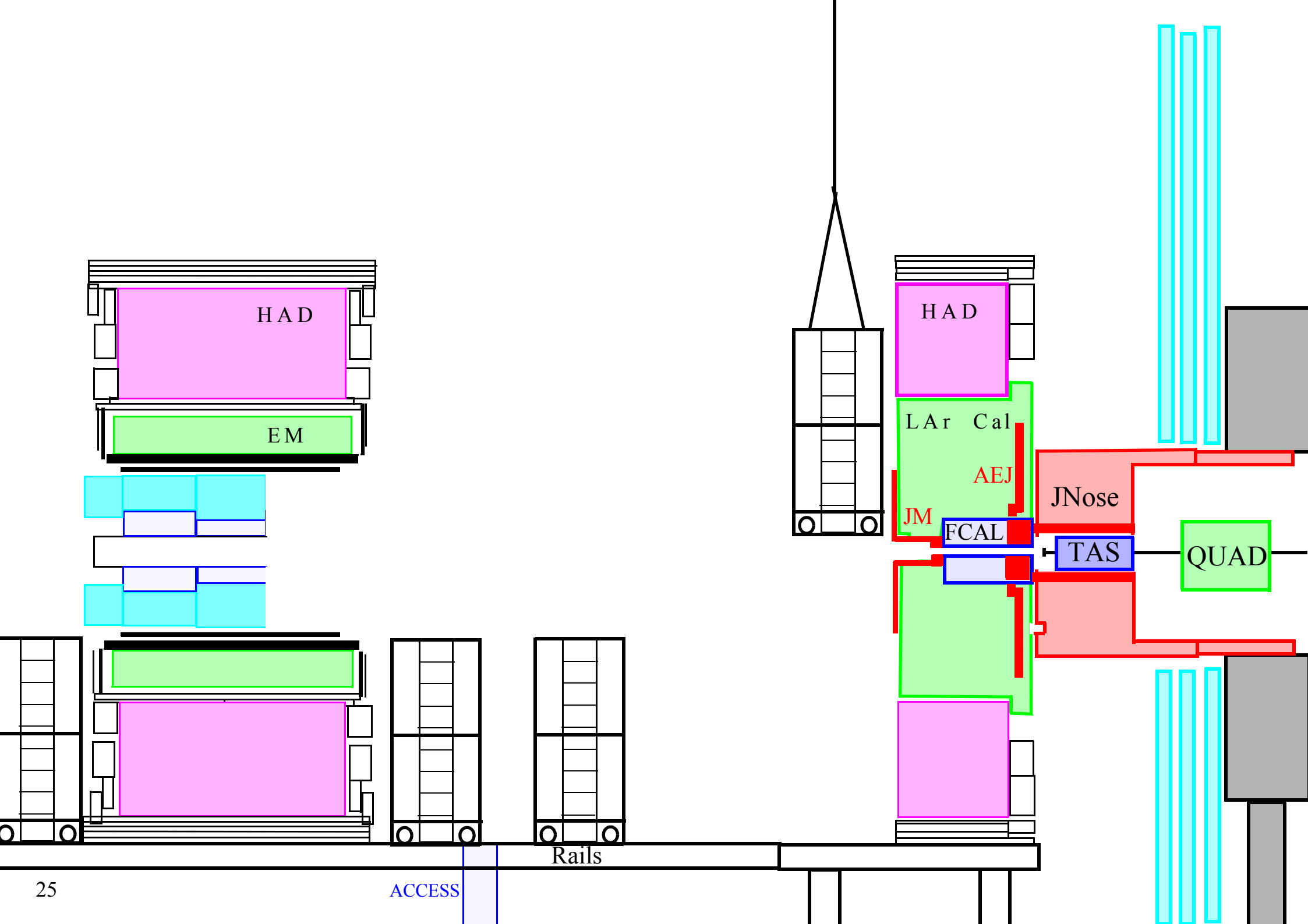
FCAL
JNose
TAS
QUAD
Rails
ACCESS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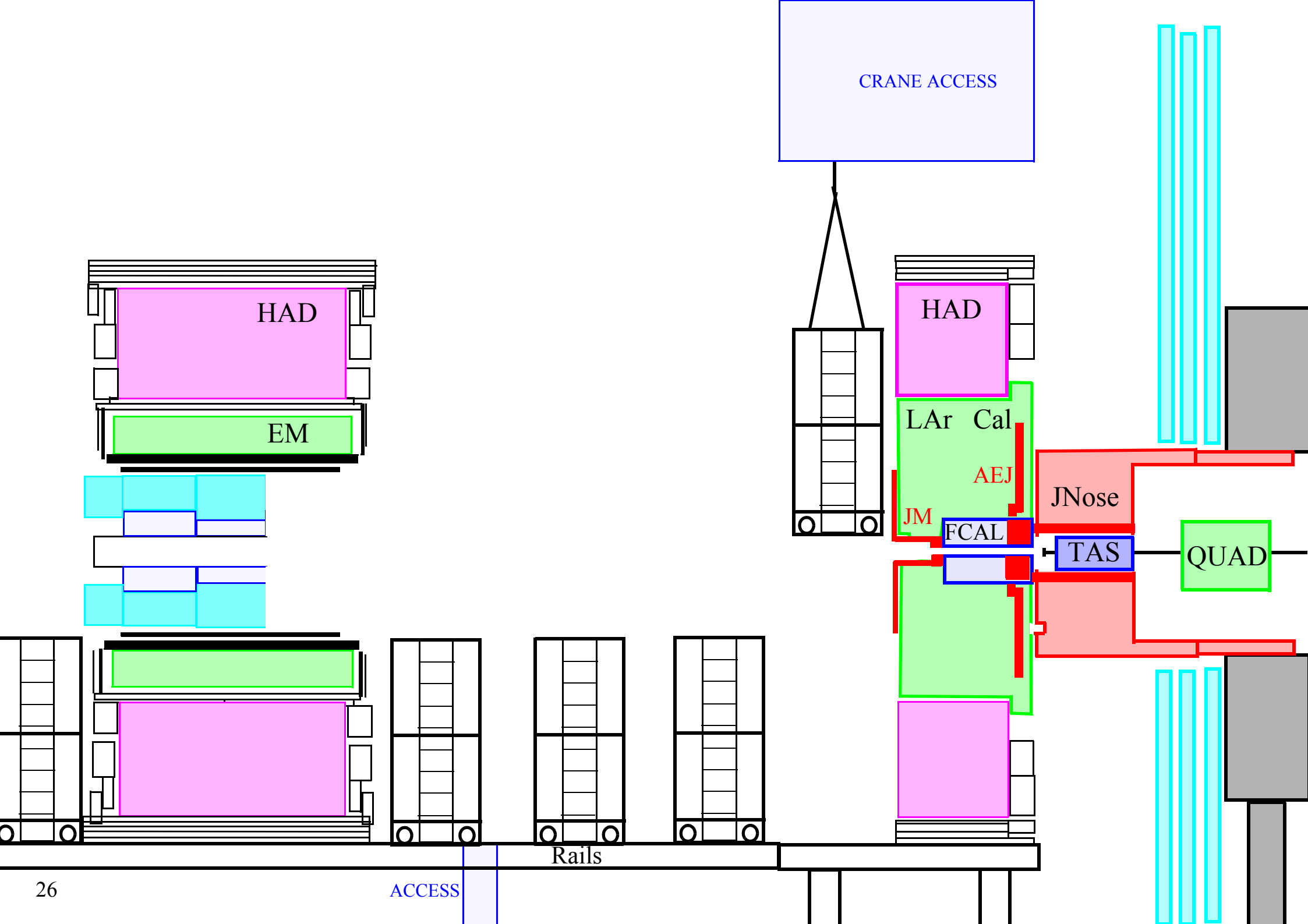
Rails
ACCESS


CRANE ACCESS
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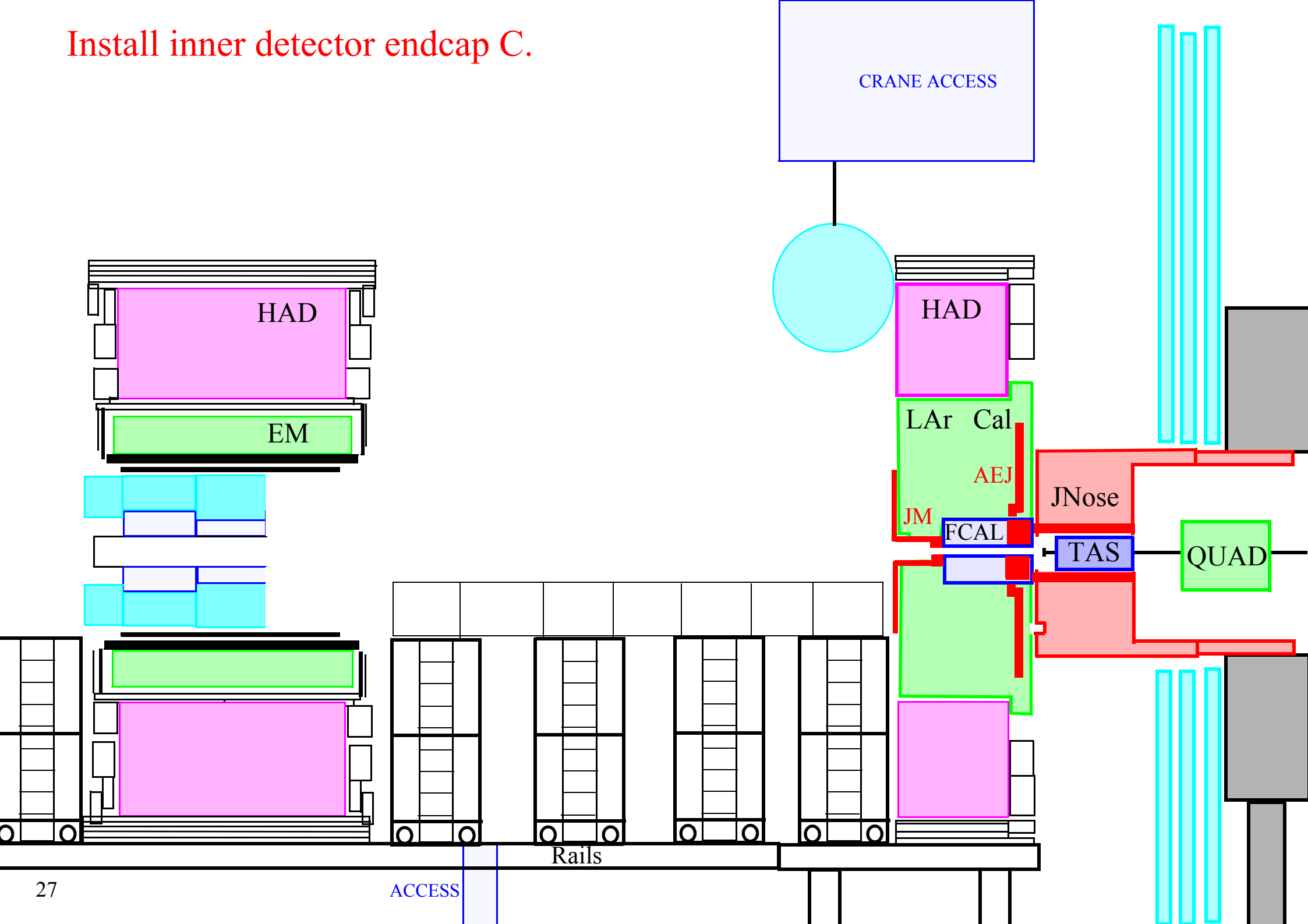
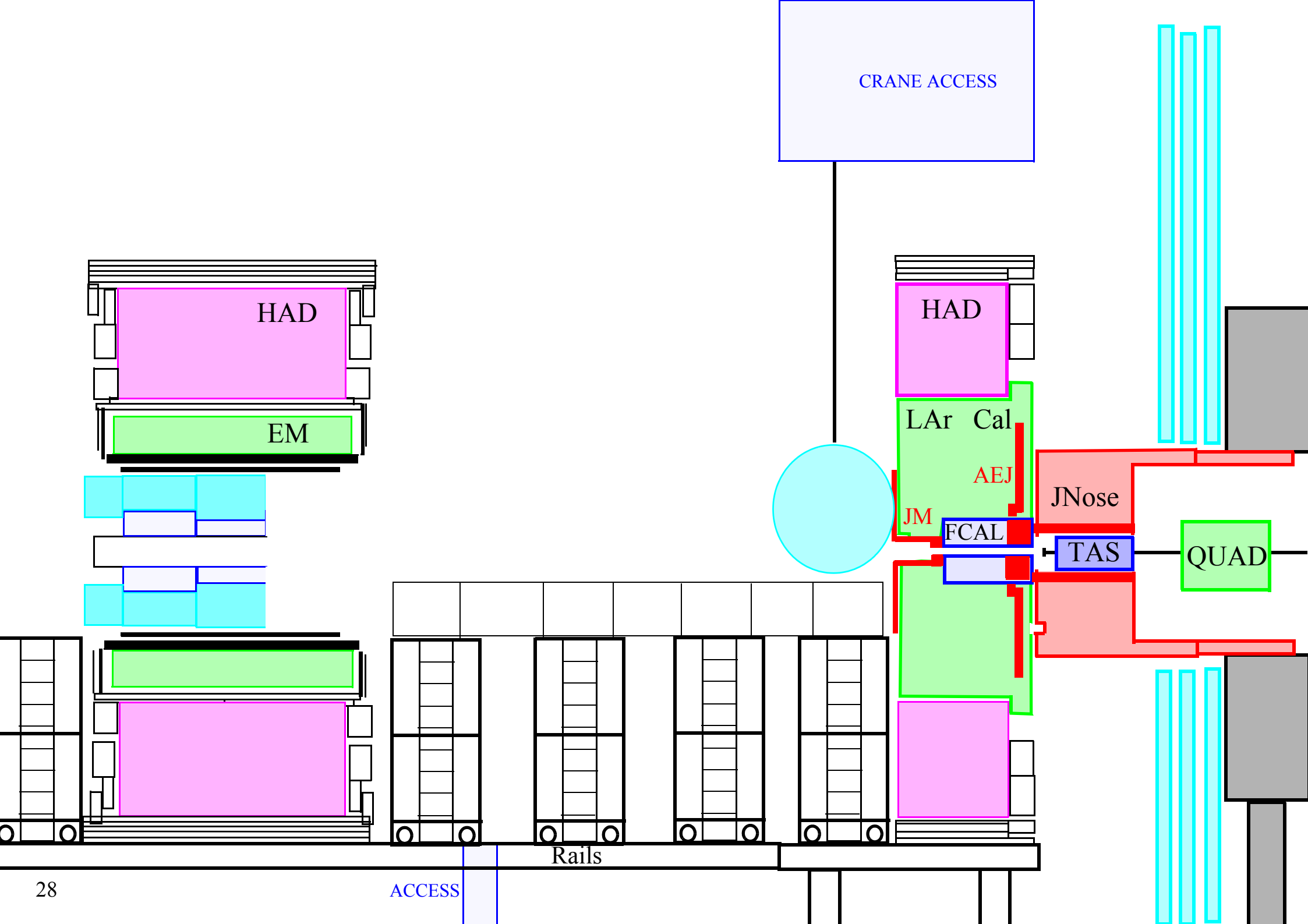
QUAD
Rails
ACCESS

Install inner detector endcap C.

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Rails
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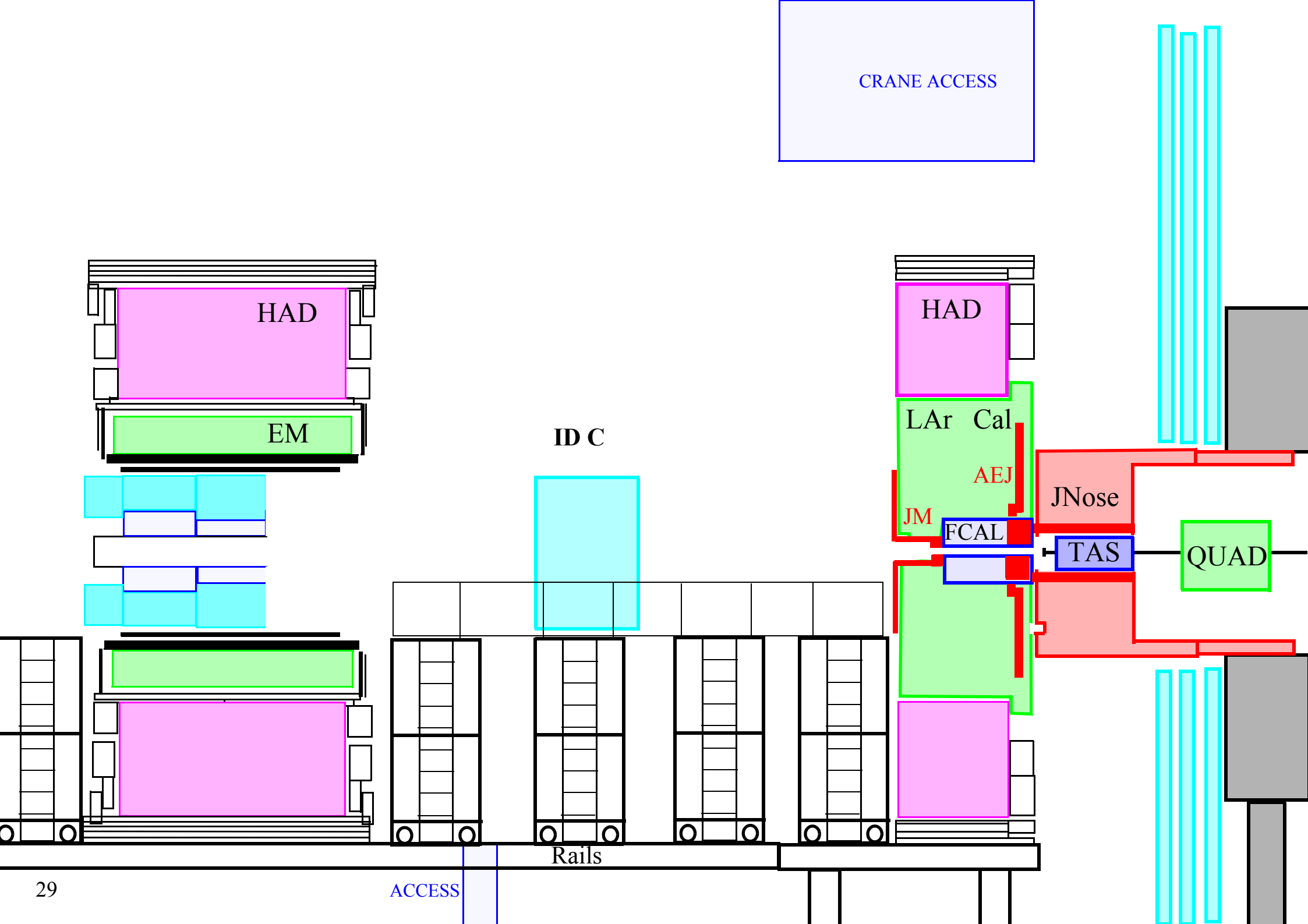
CRANE ACCESS
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JNose
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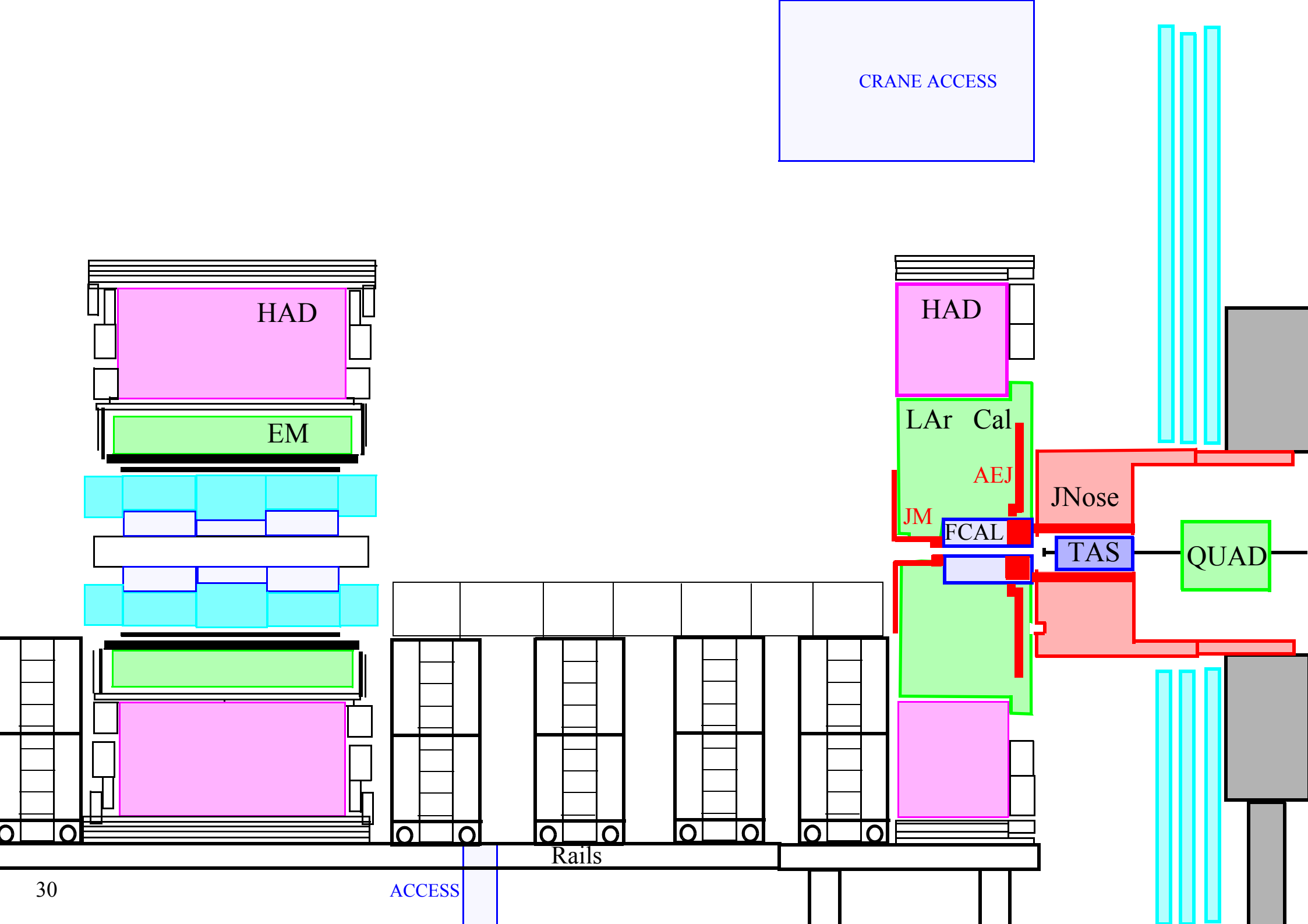
Rails
ACCESS


CRANE ACCESS
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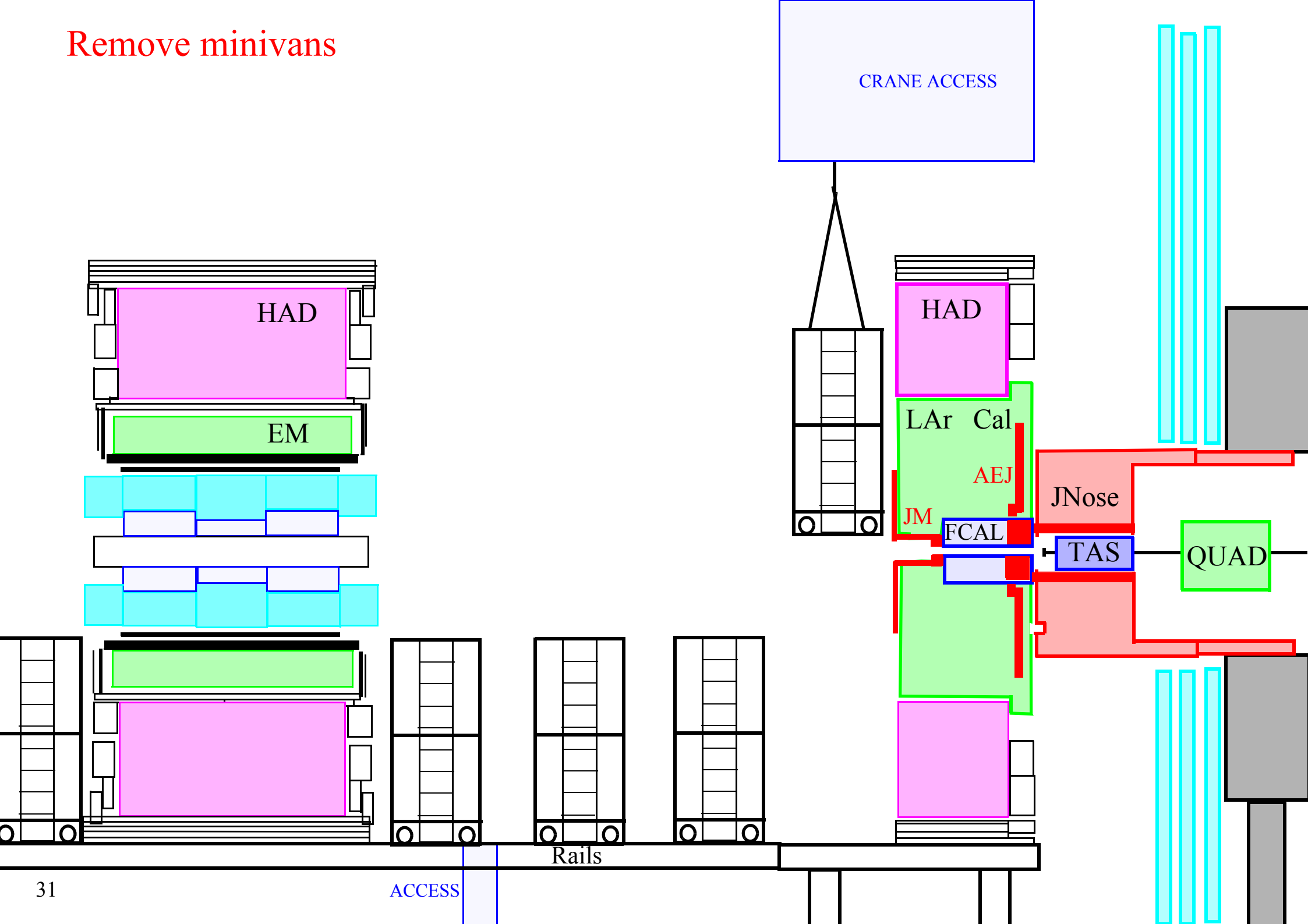
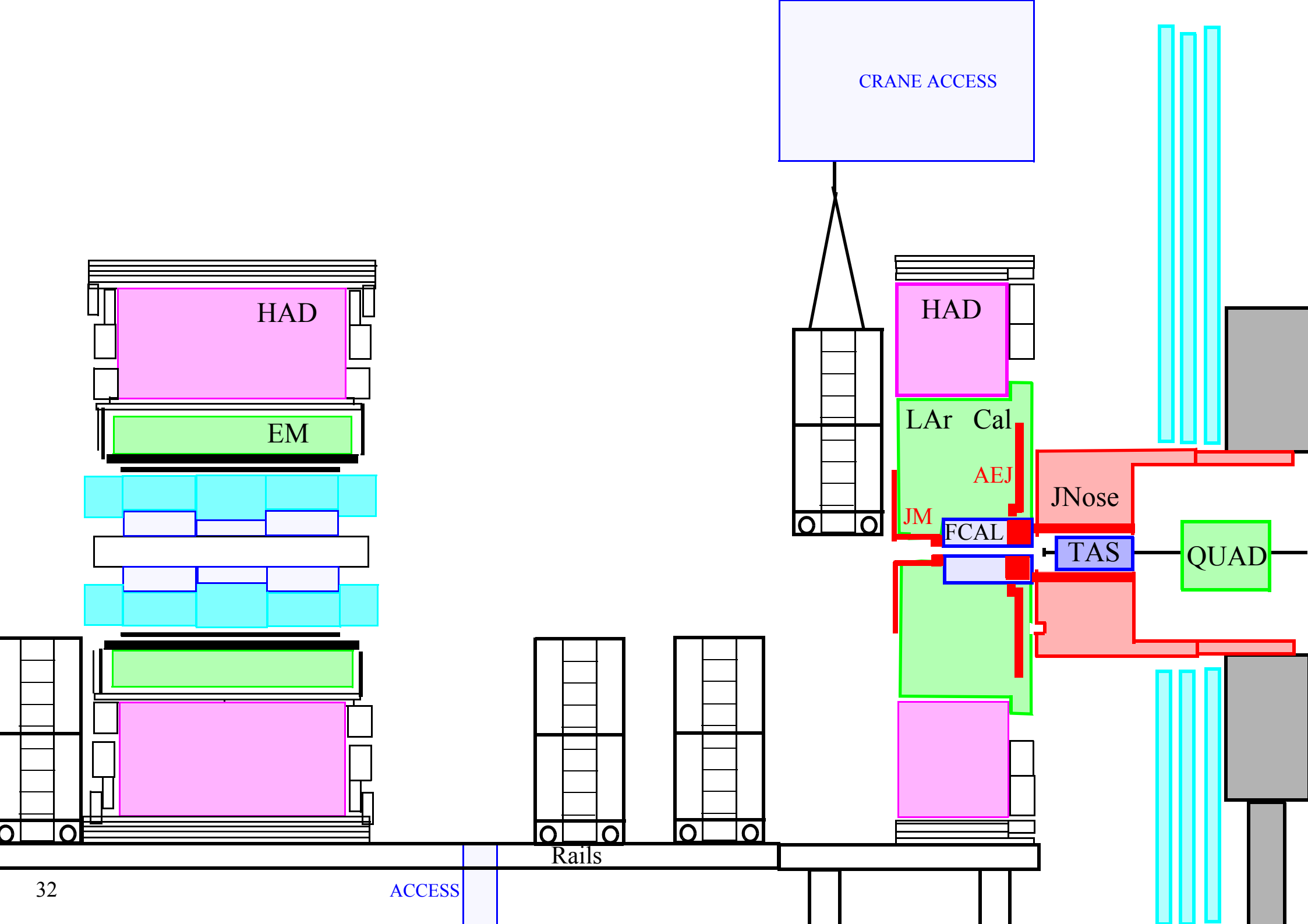
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

Remove minivans




CRANE ACCESS
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AEJ
JM
FCAL
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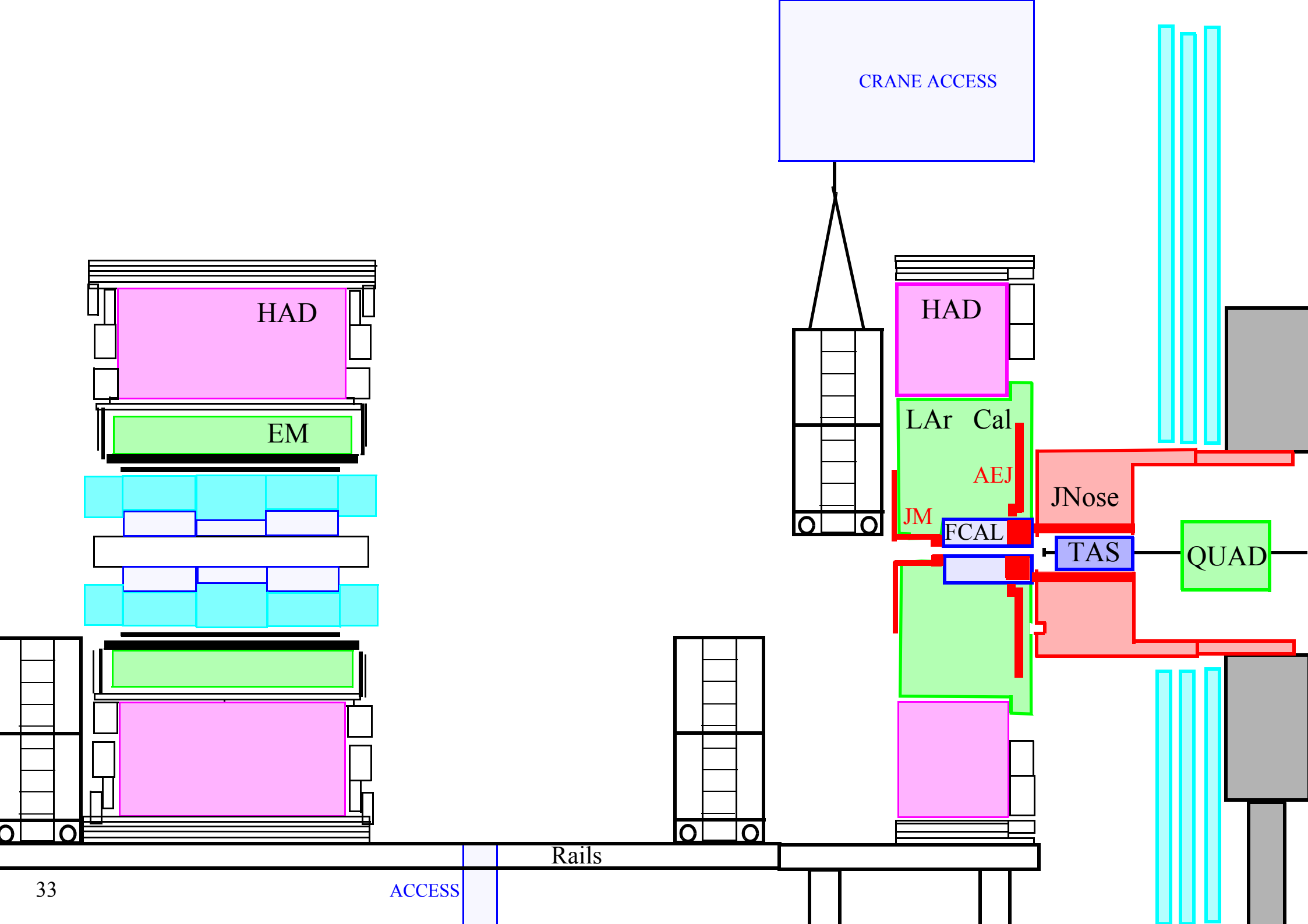
Rails
ACCESS


CRANE ACCESS
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FCAL
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Rails
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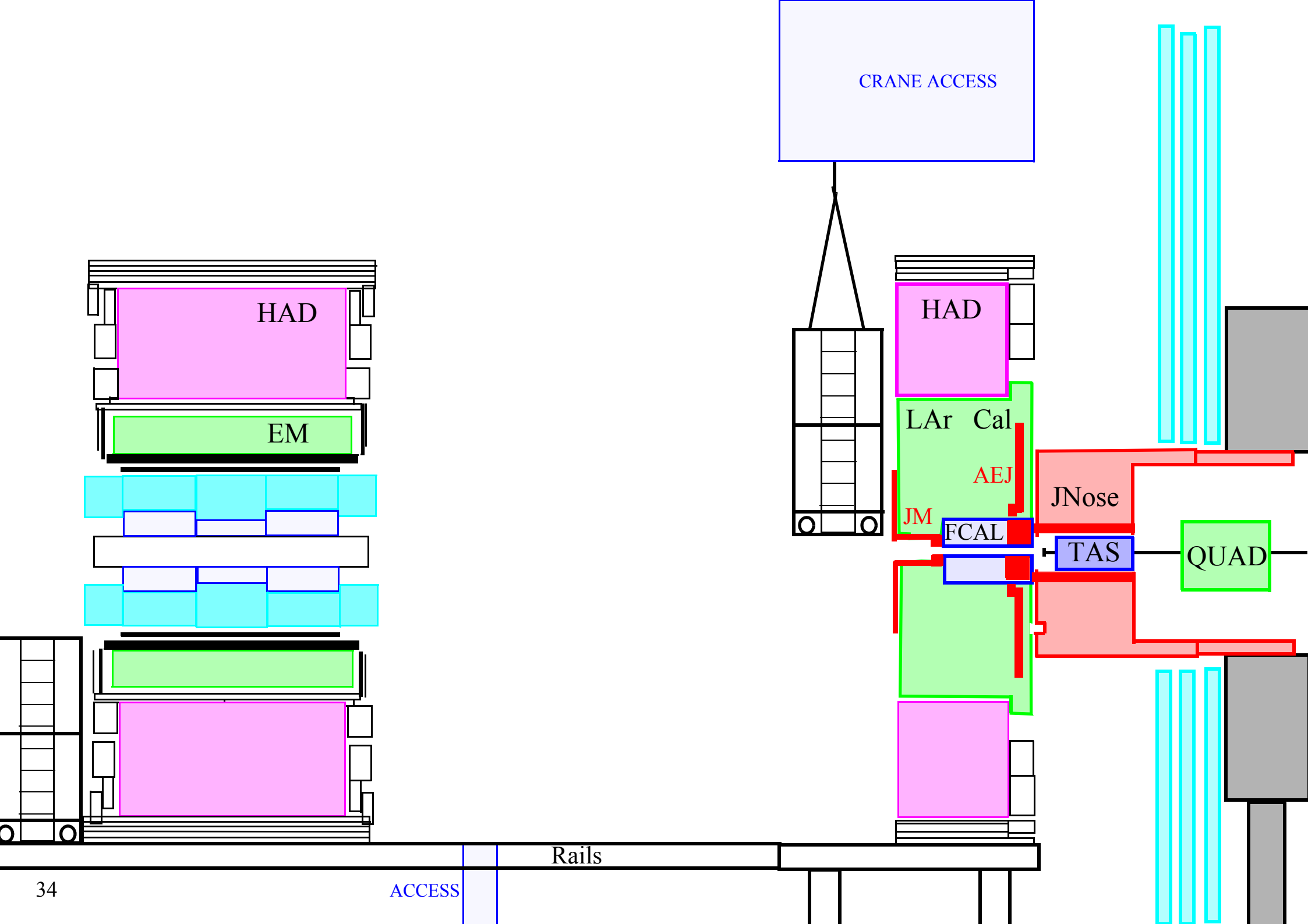
CRANE ACCESS
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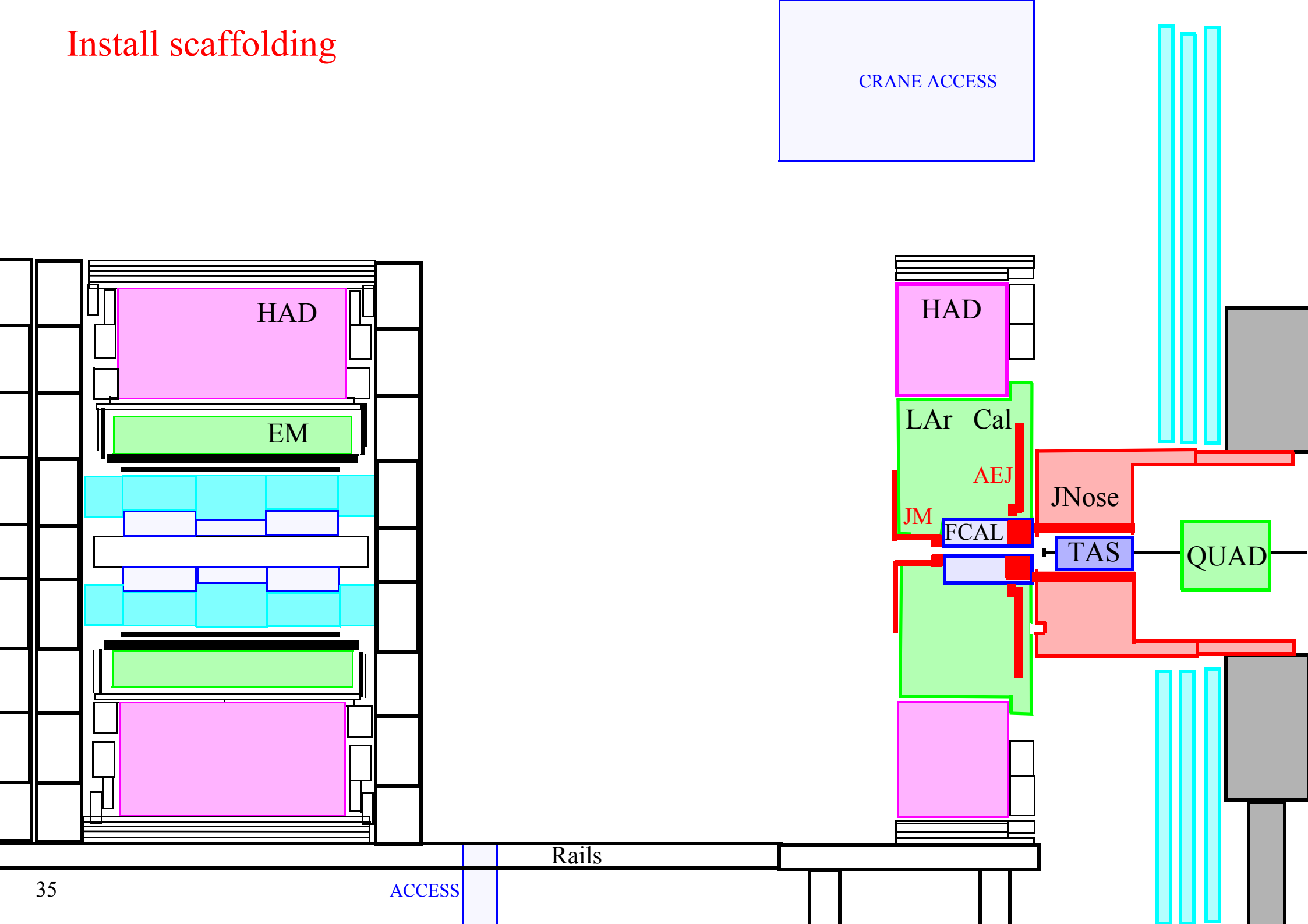
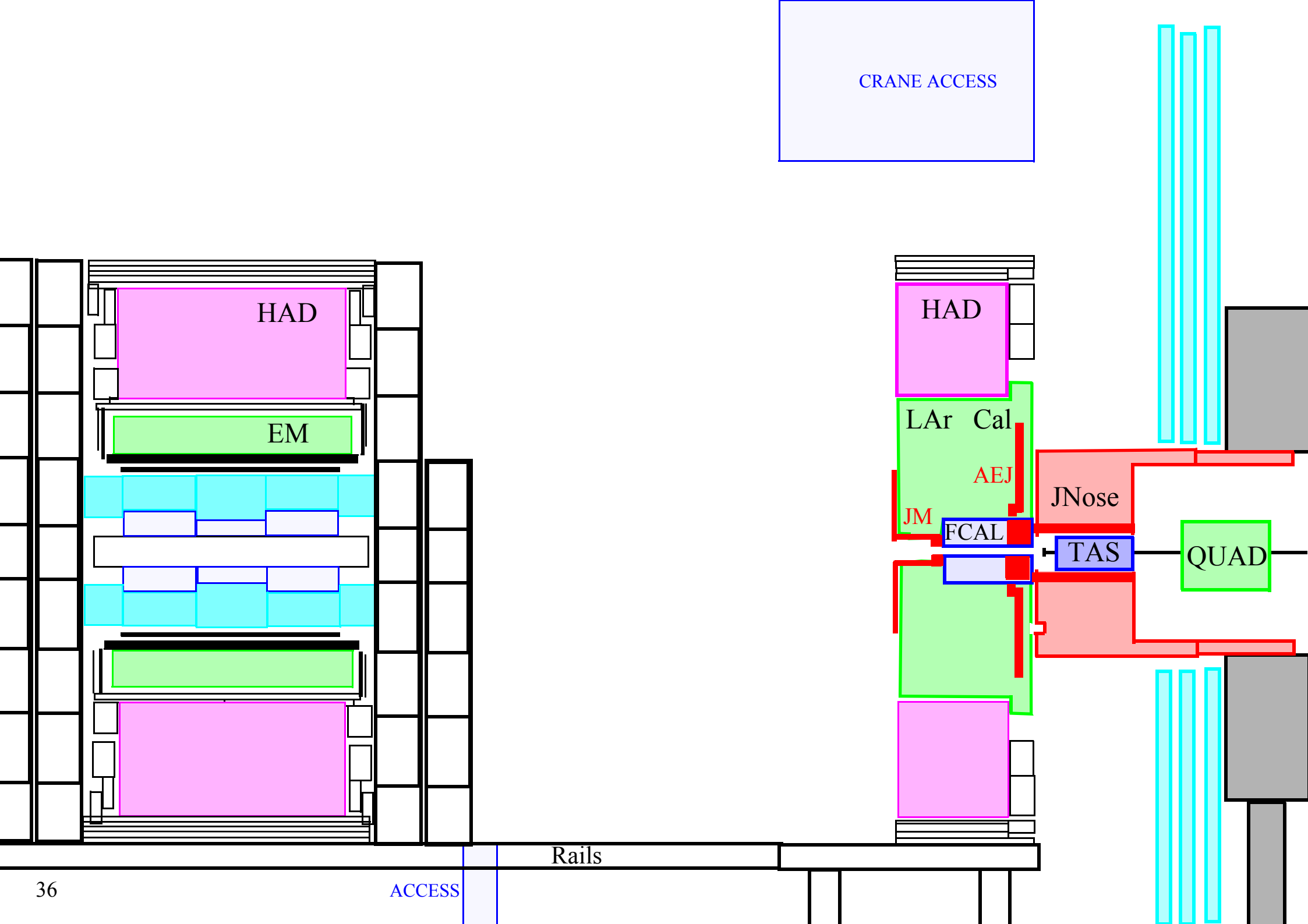
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

Install scaffolding




CRANE ACCESS
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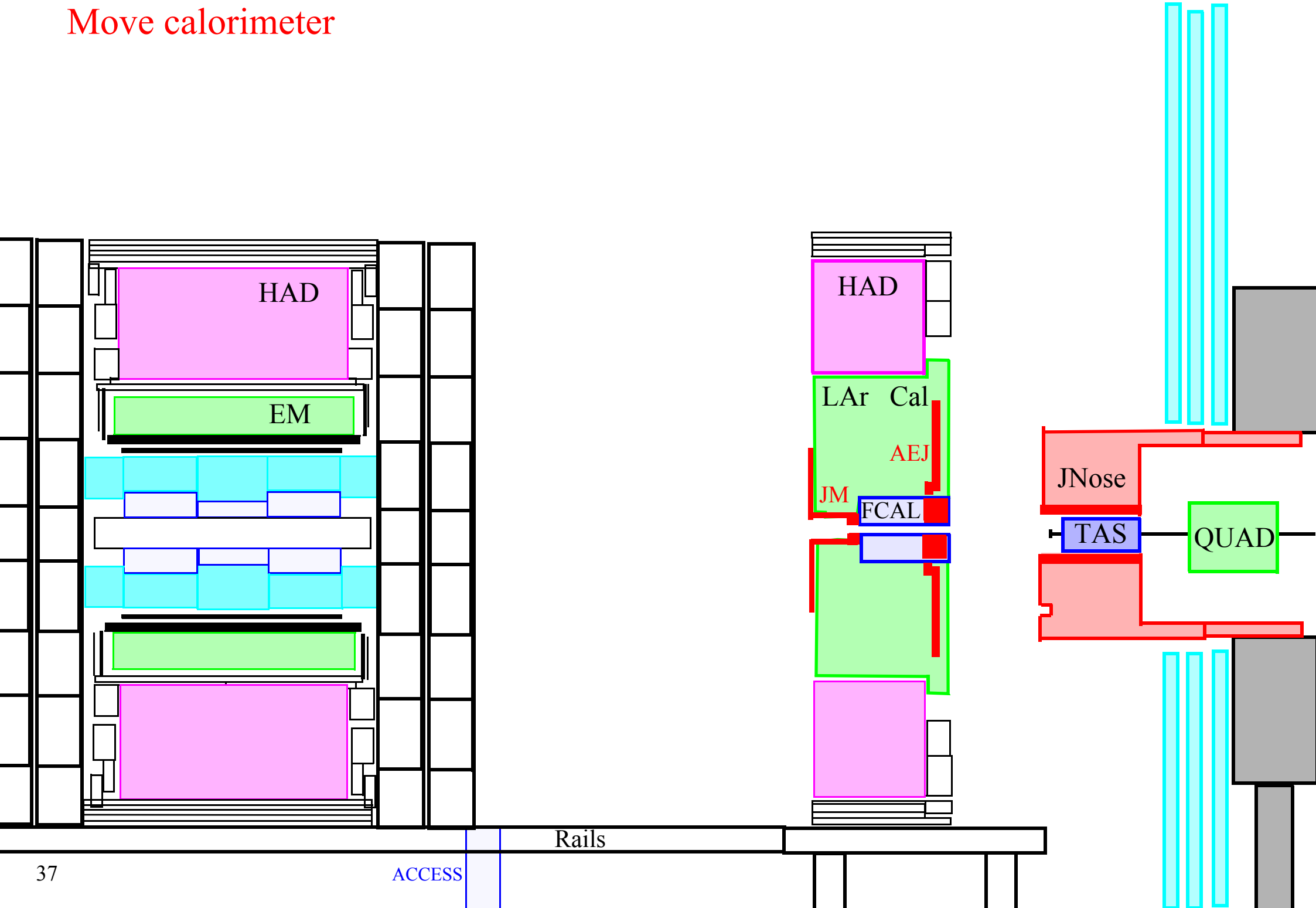
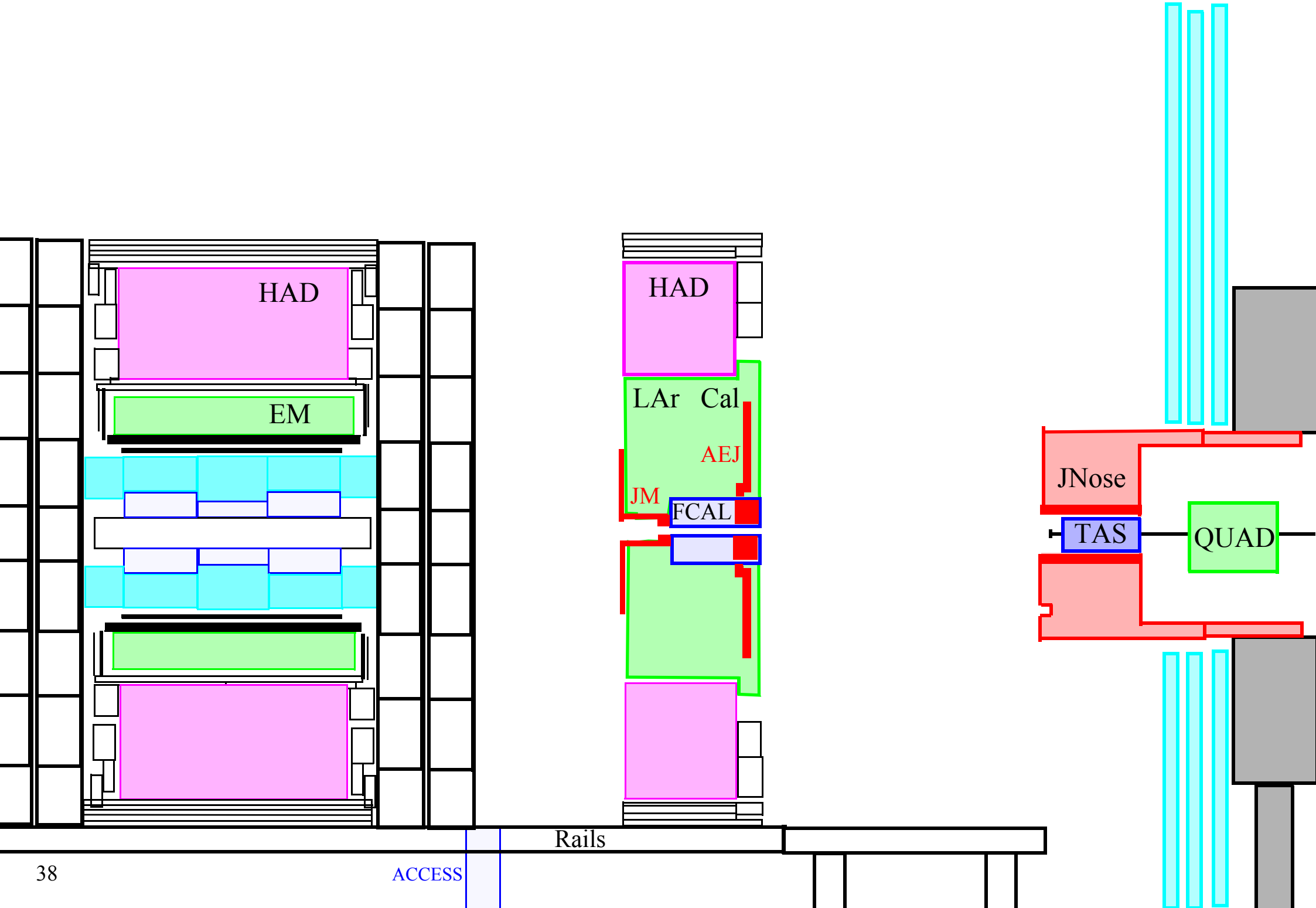
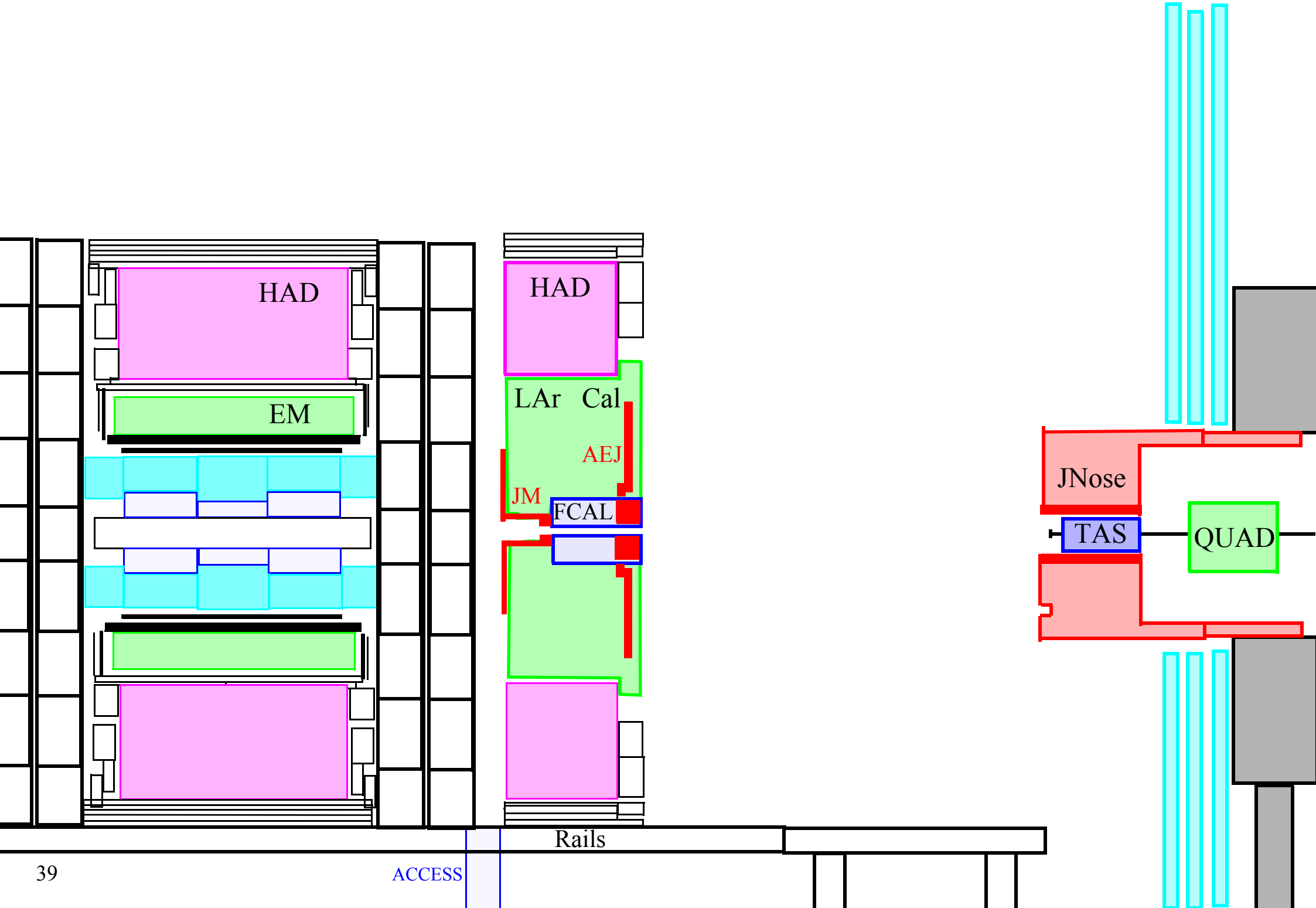
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

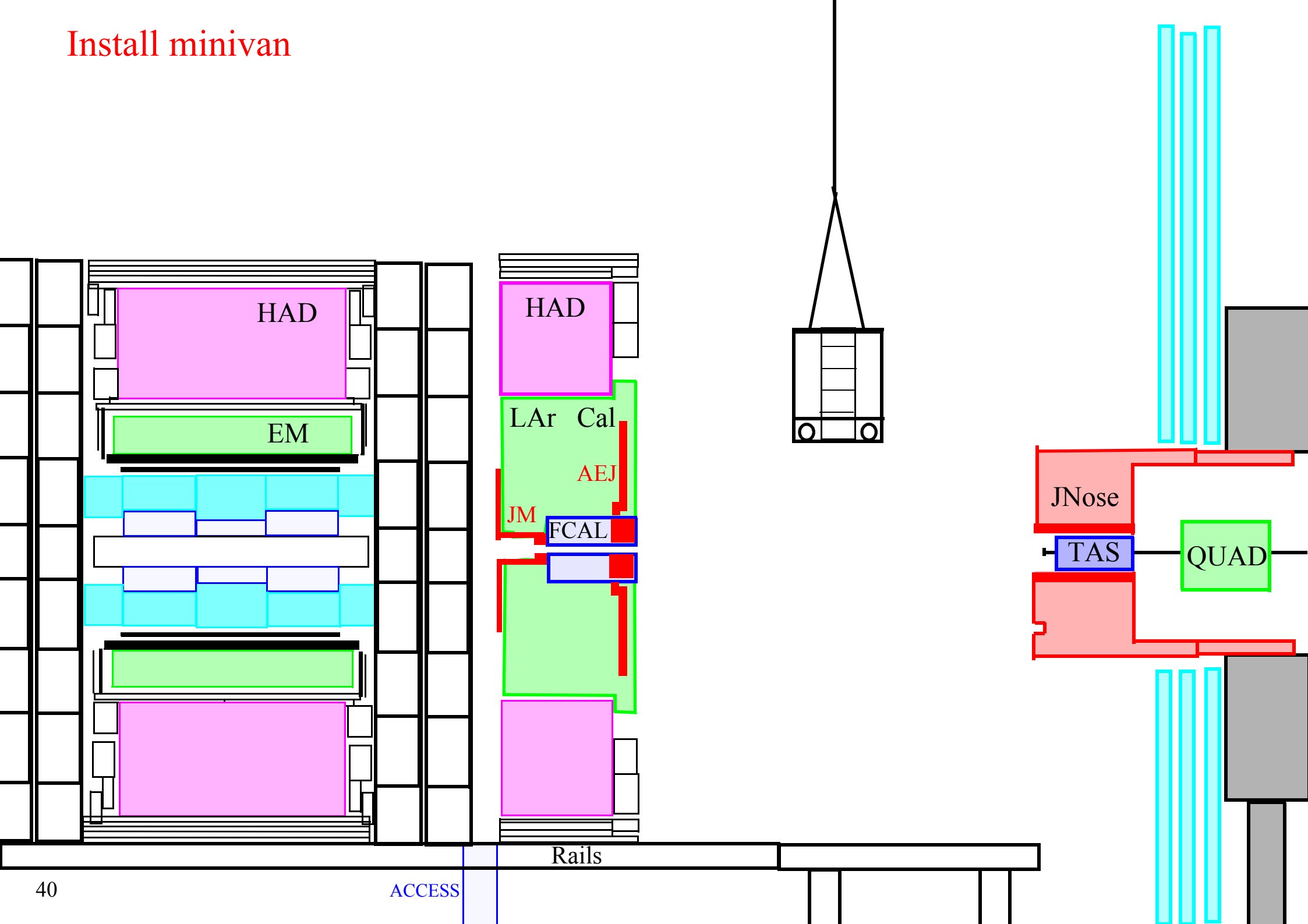
Move calorimeter

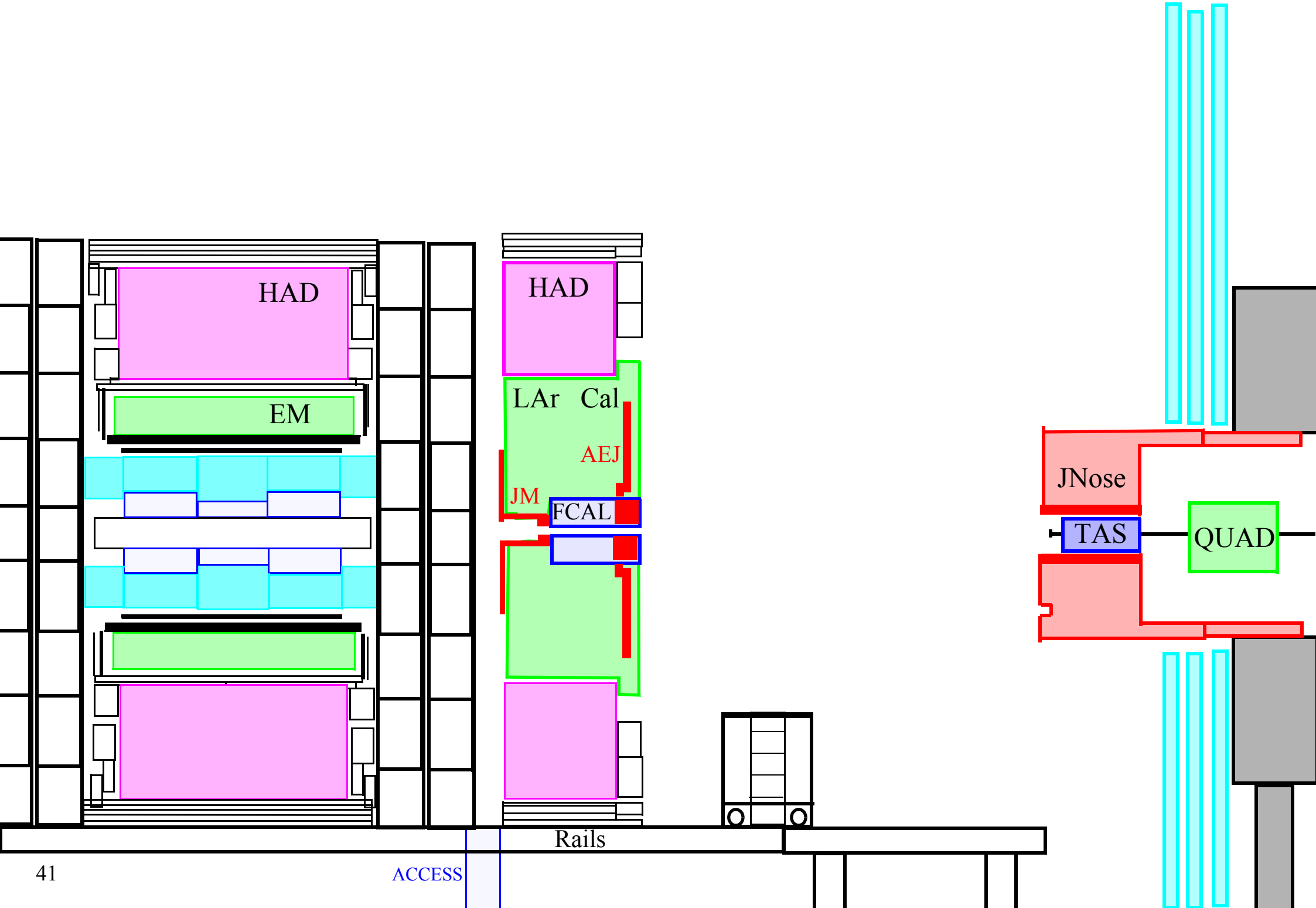



HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS


HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

Install minivan




HAD
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AEJ
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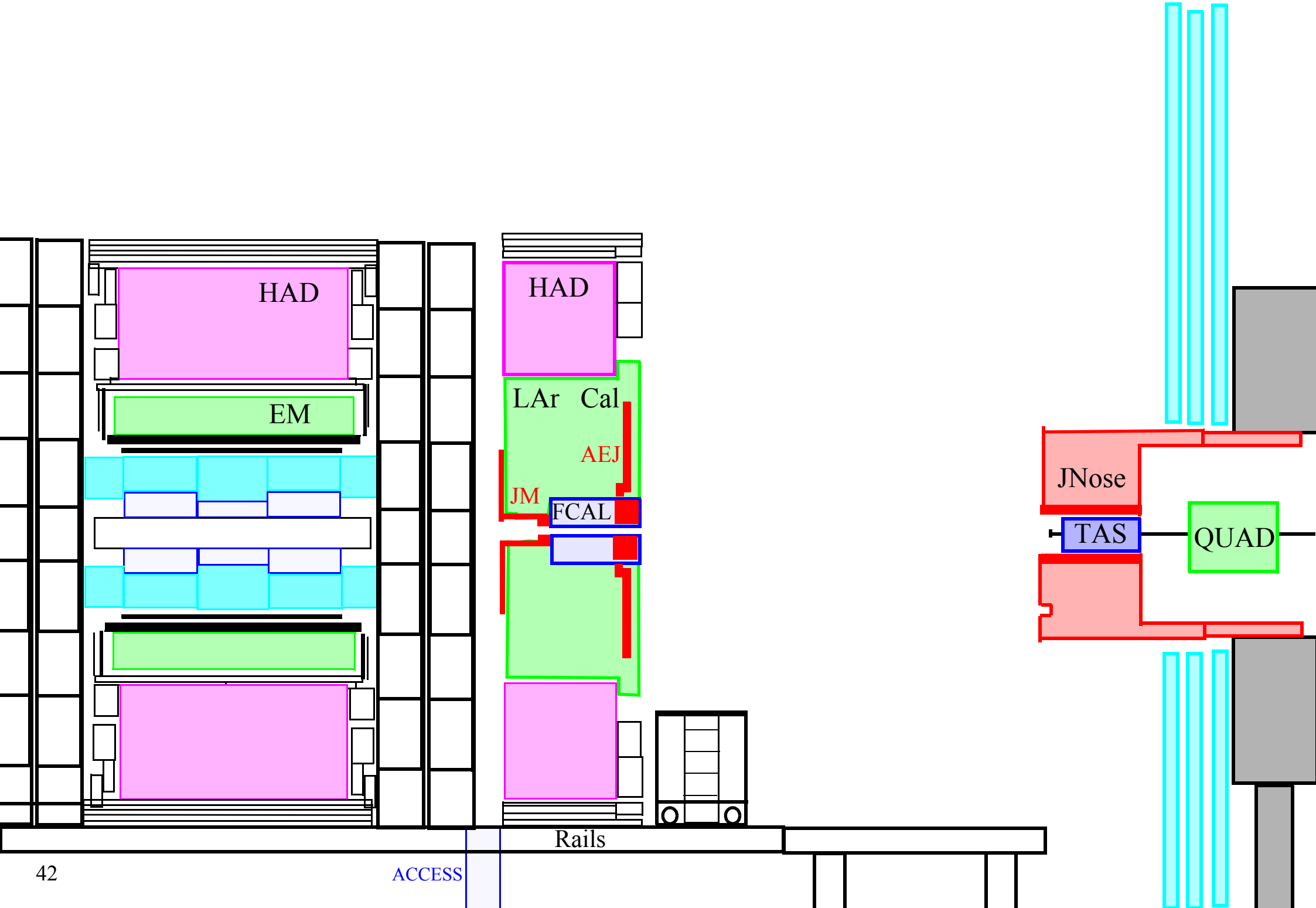
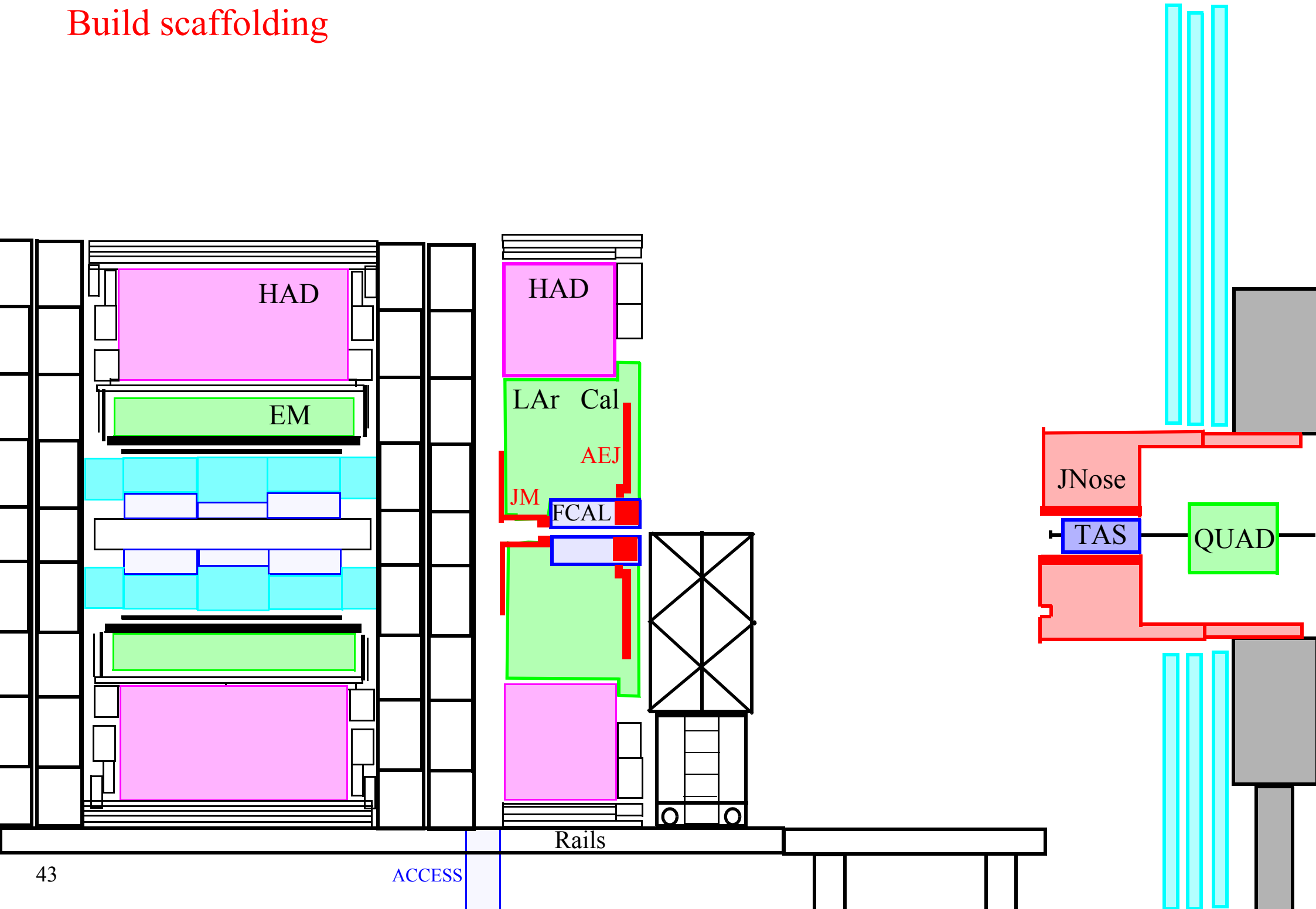
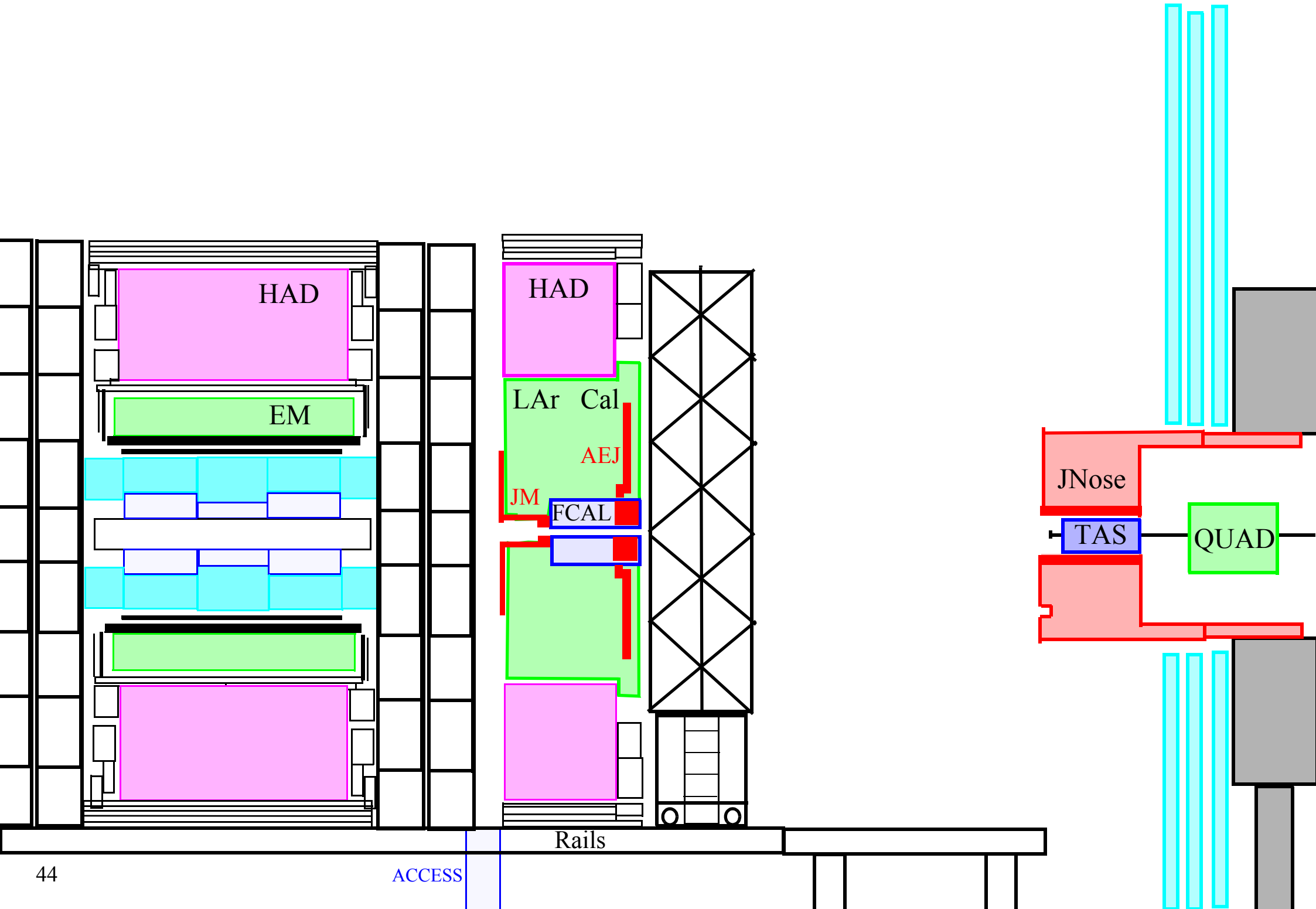
FCAL
JNose
TAS
QUAD
Rails
ACCESS

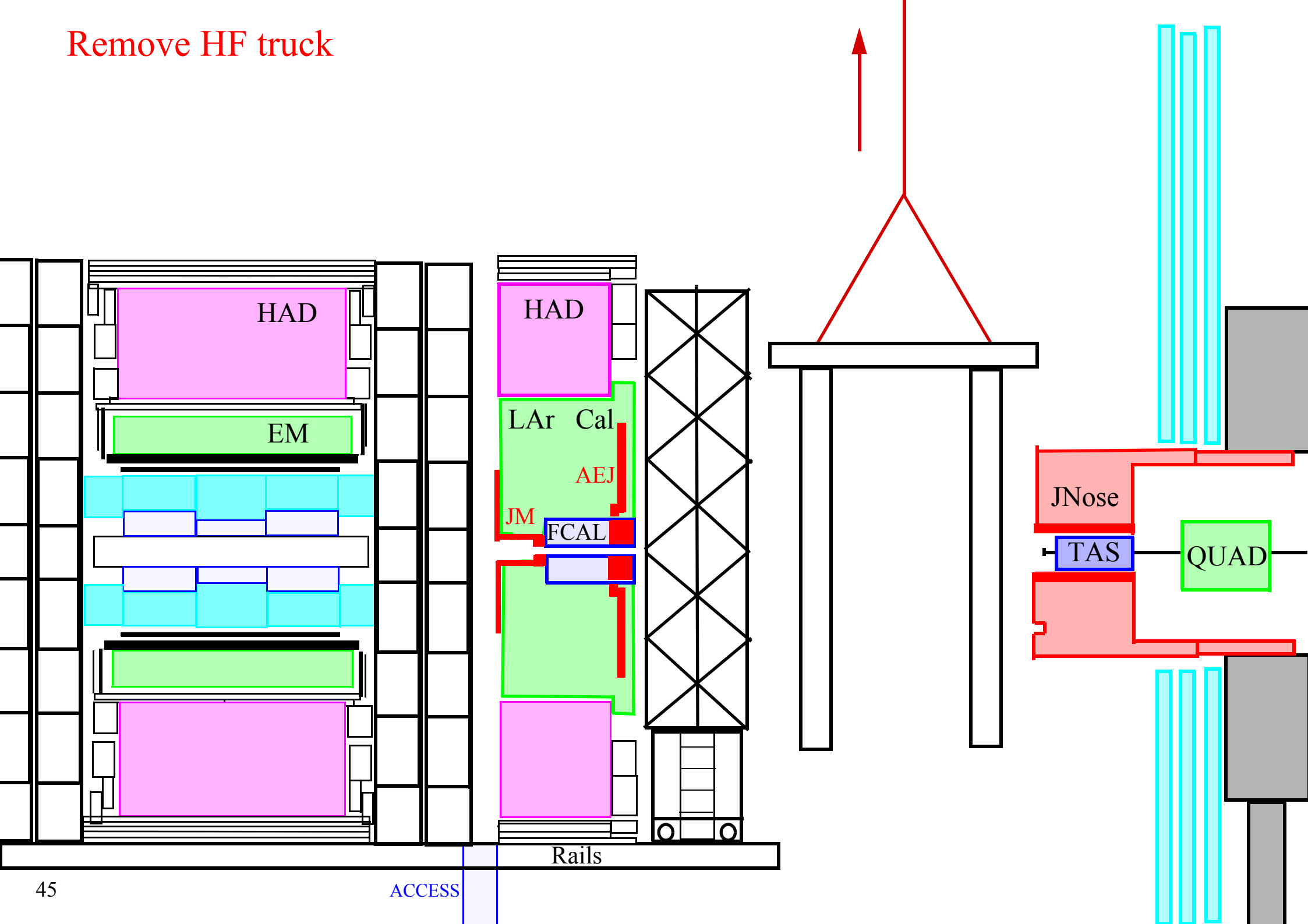

HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

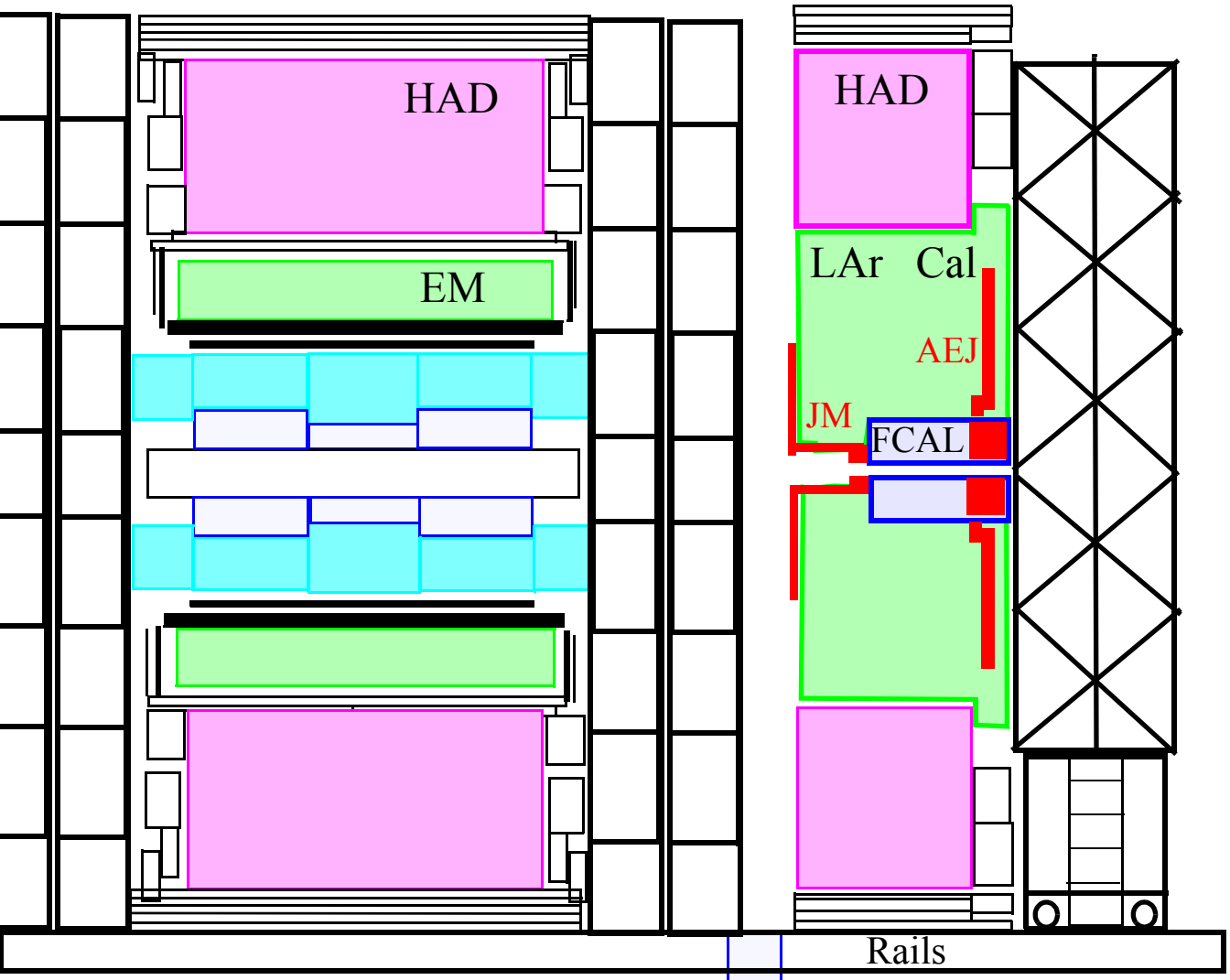
Build scaffolding

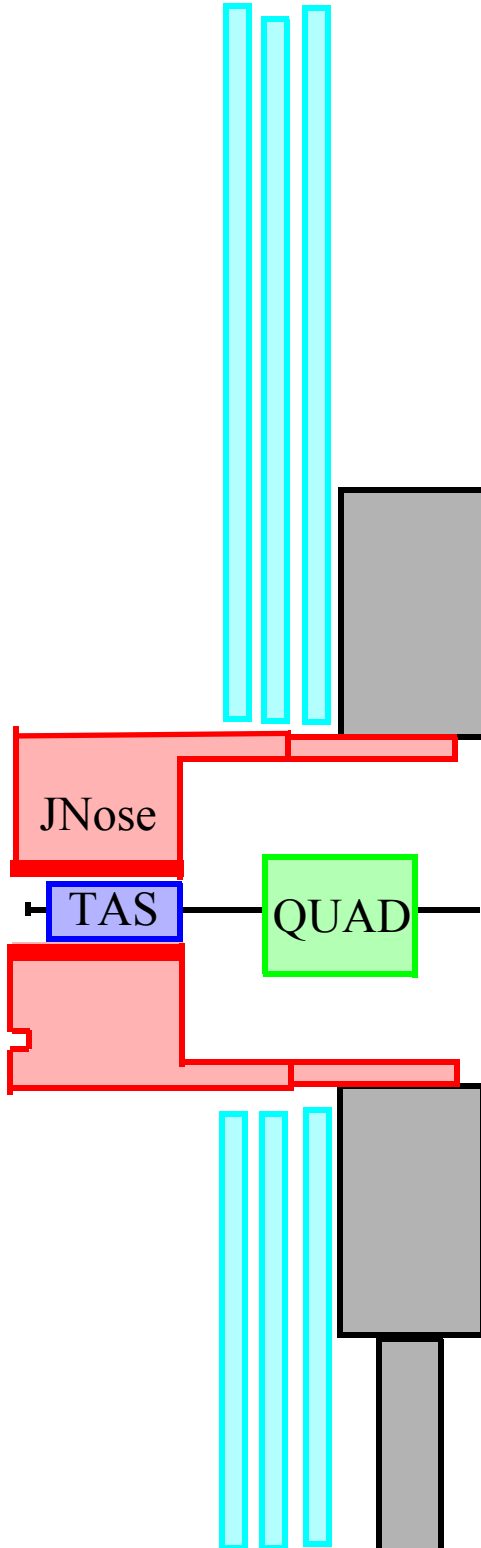



HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

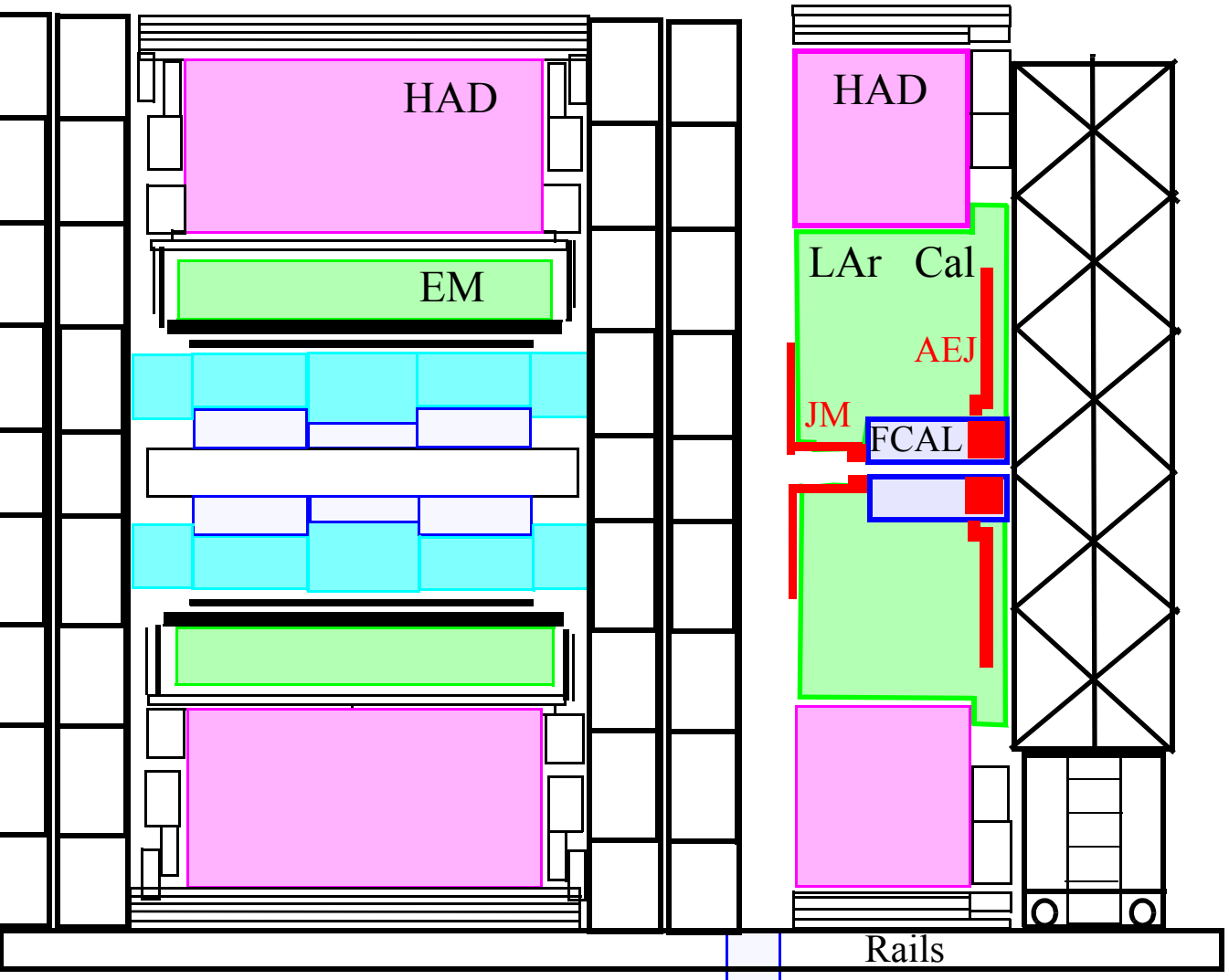
Remove HF truck

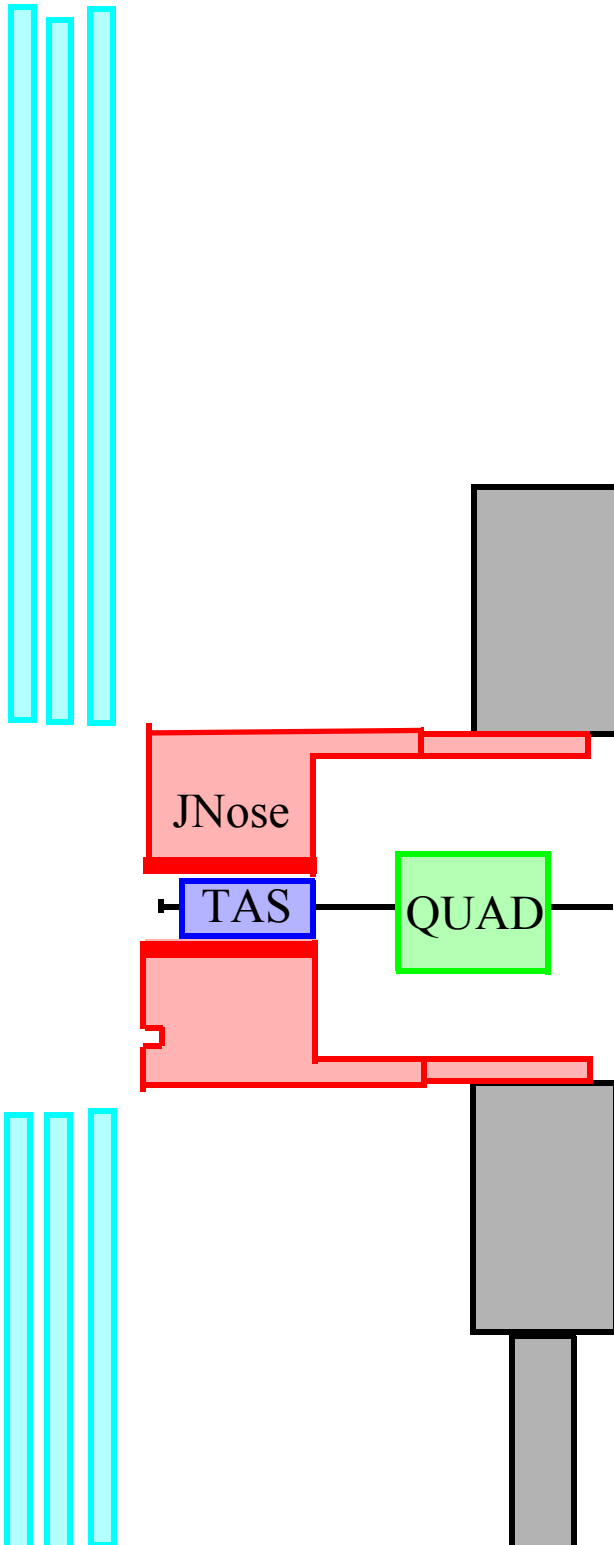


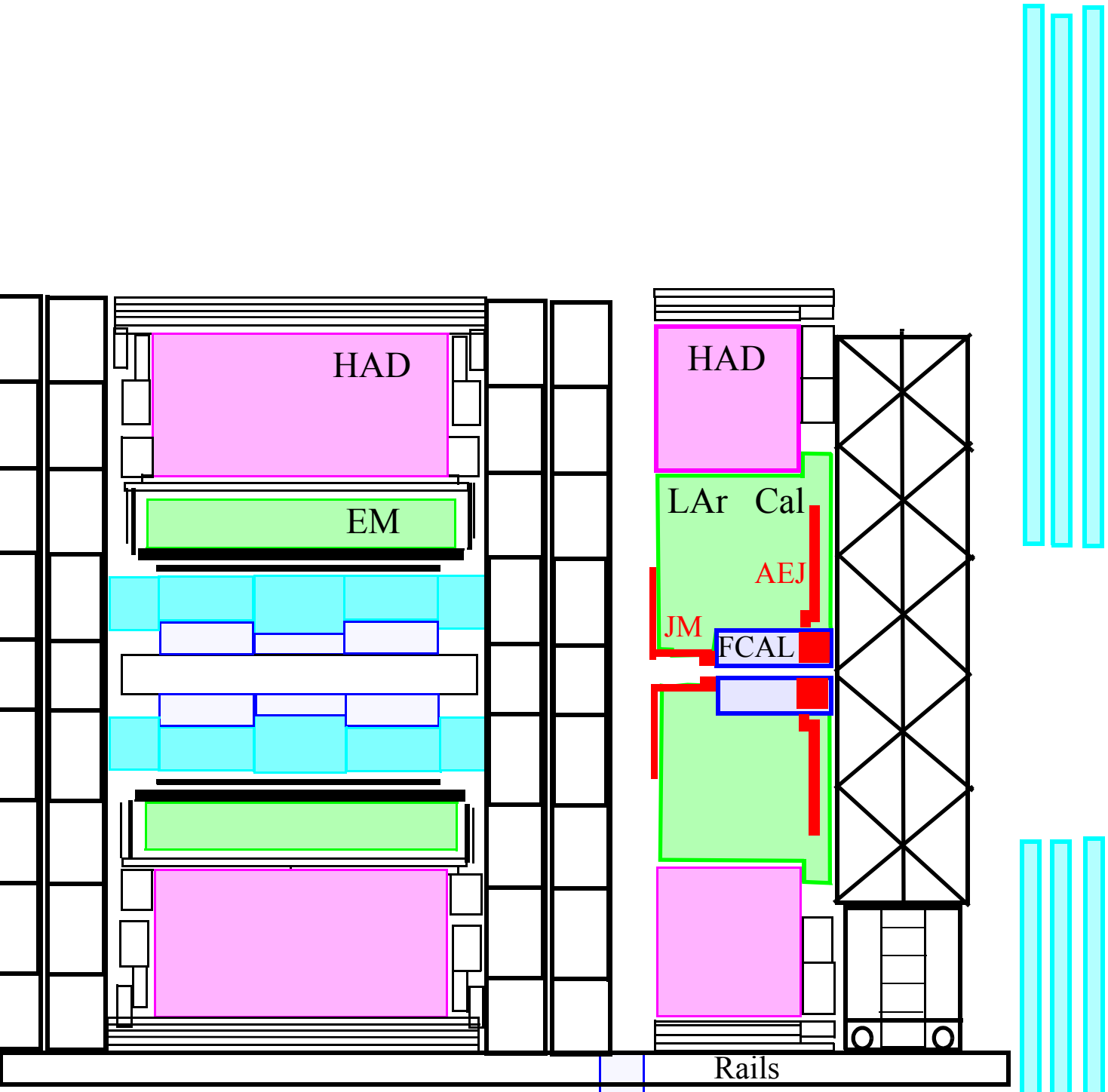

HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
Rails
ACCESS

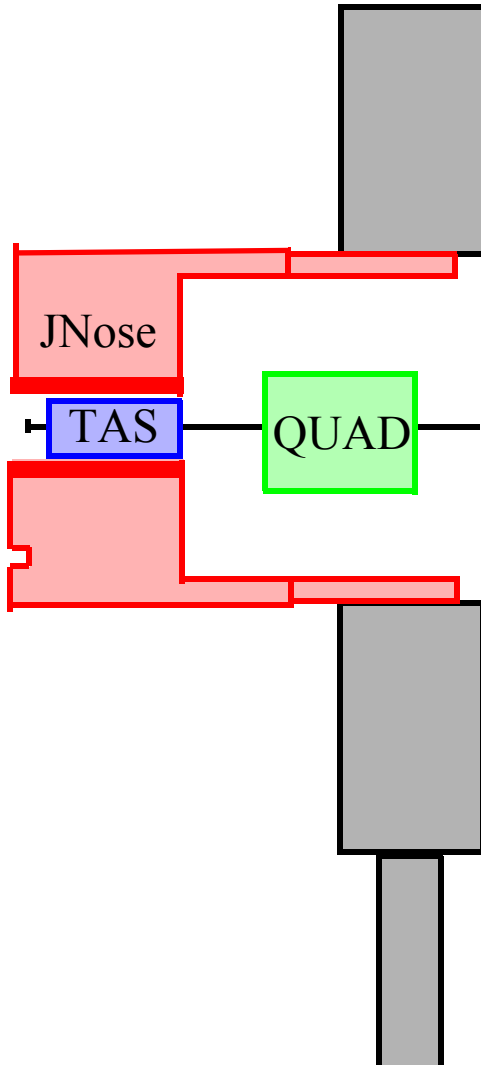

JNose
TAS
QUAD

Move BW

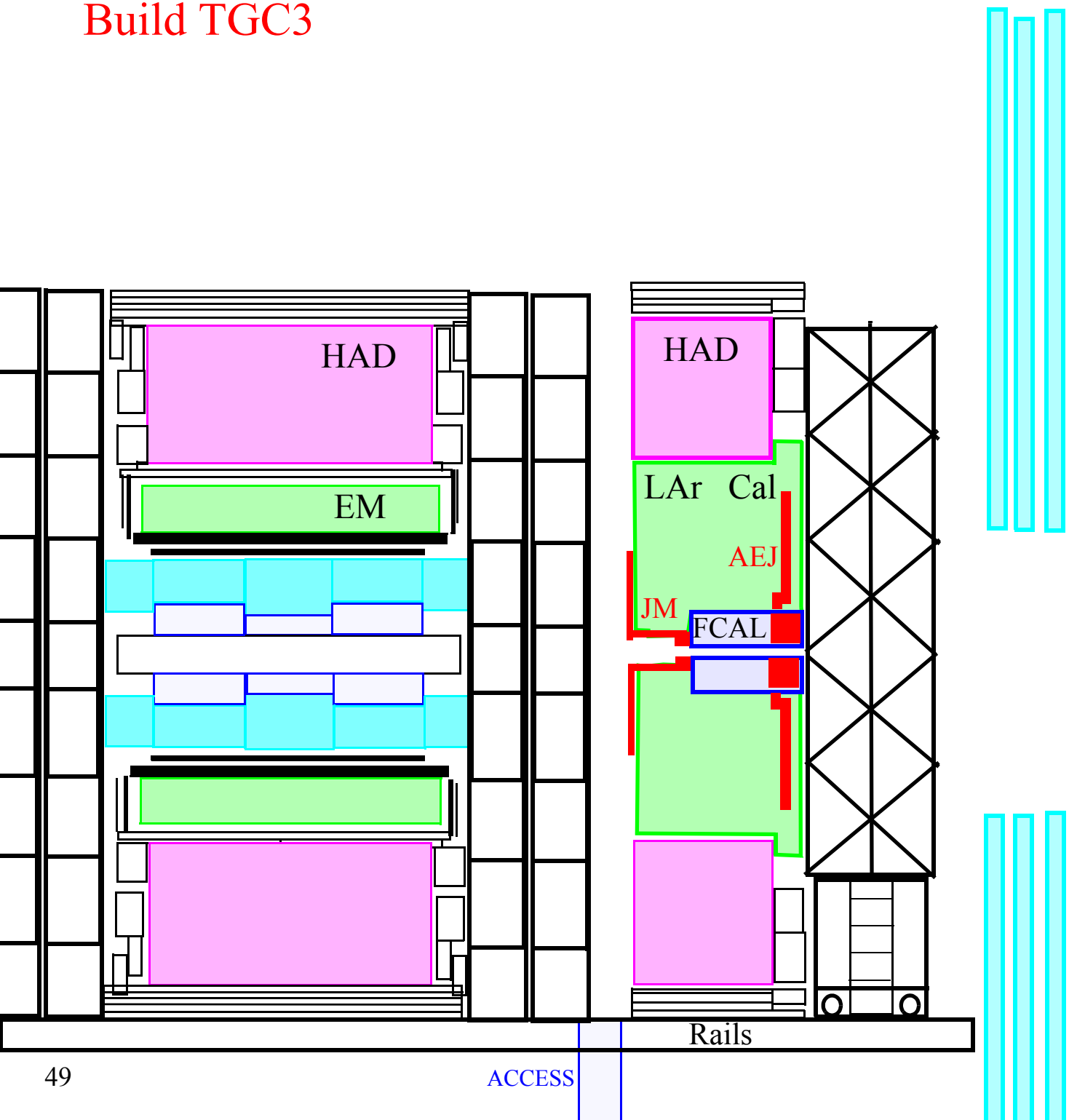


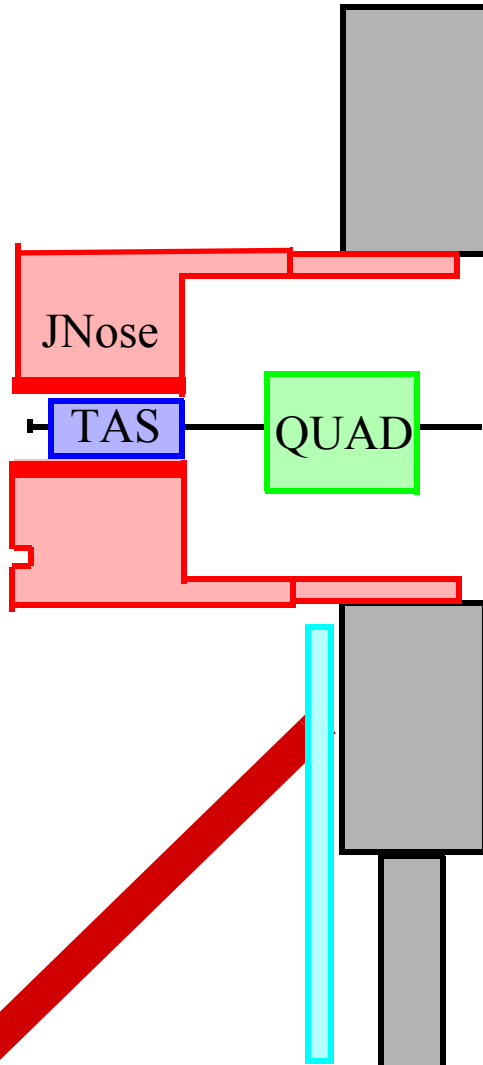


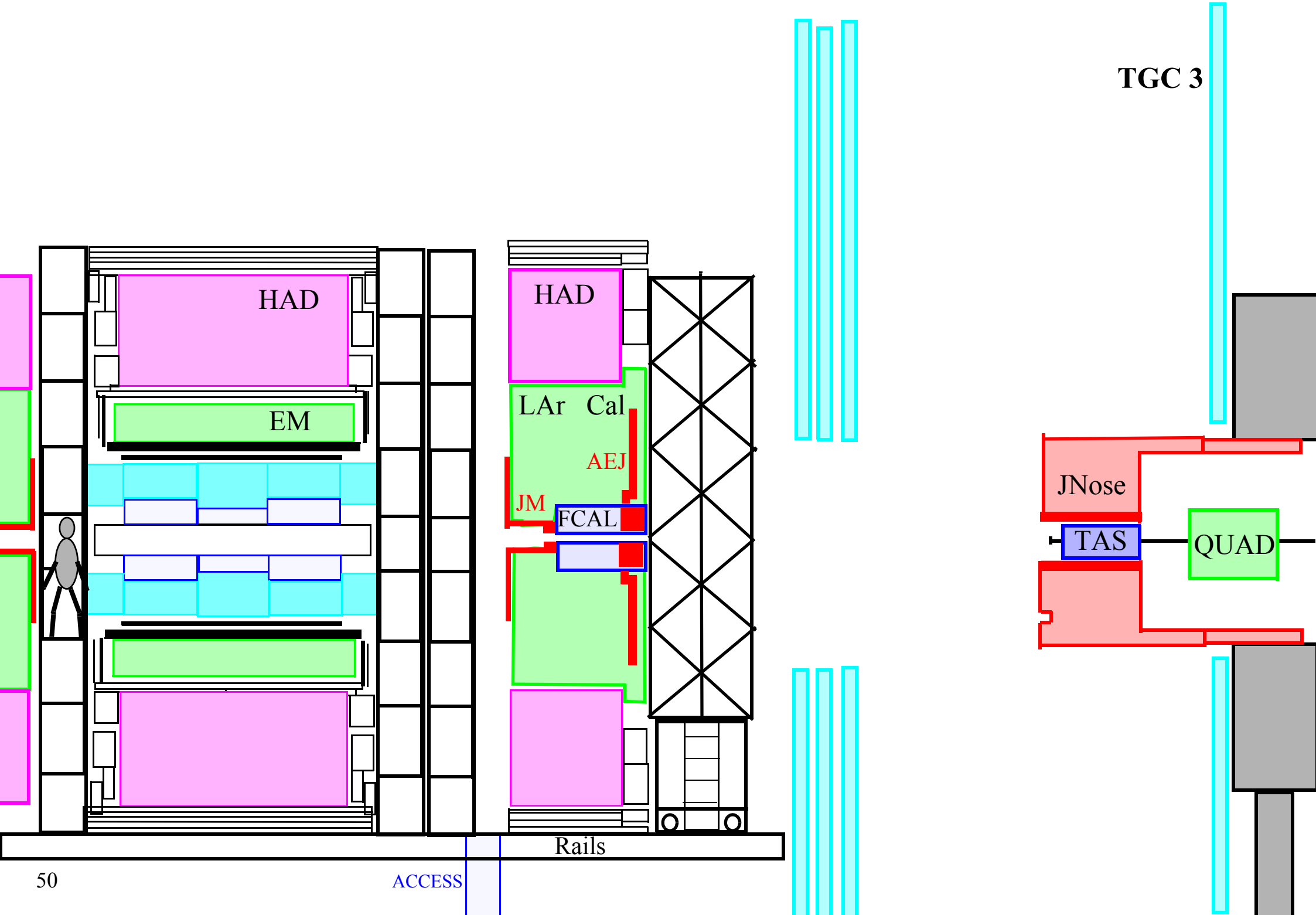

HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
Rails
ACCESS


JNose
TAS
QUAD

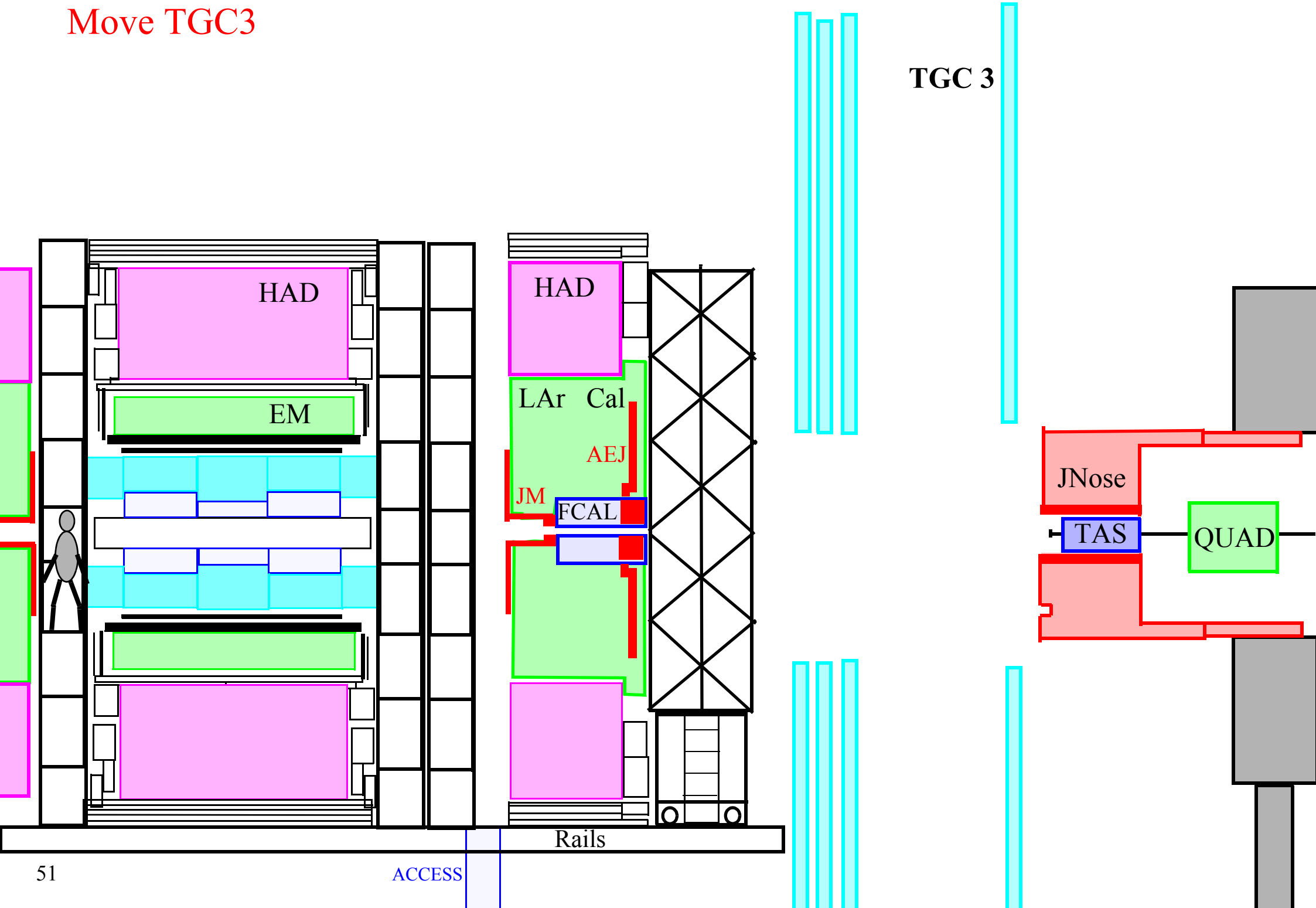
Build TGC3






HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
Rails
ACCESS
TGC 3
JNose
TAS
QUAD

Move TGC3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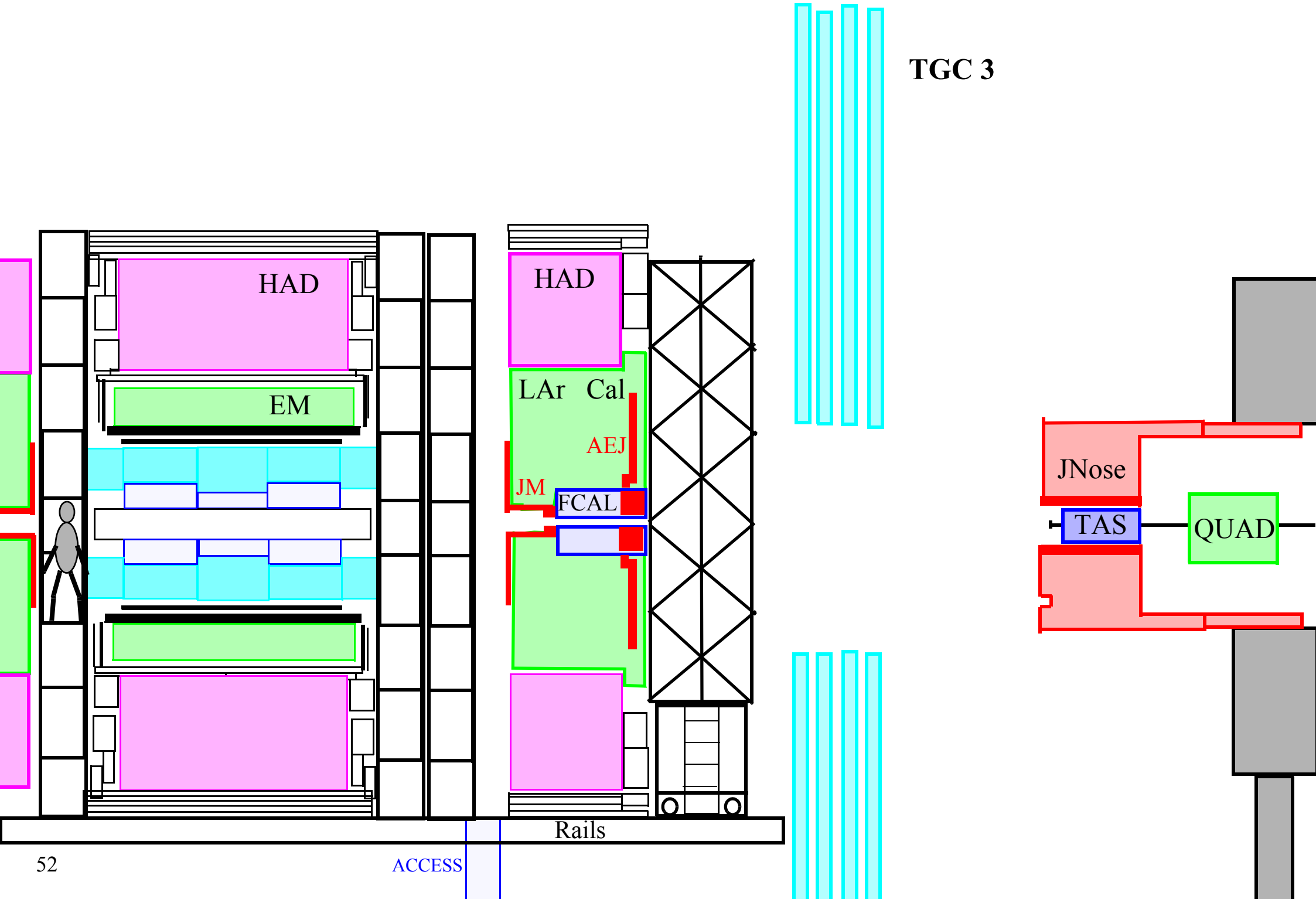
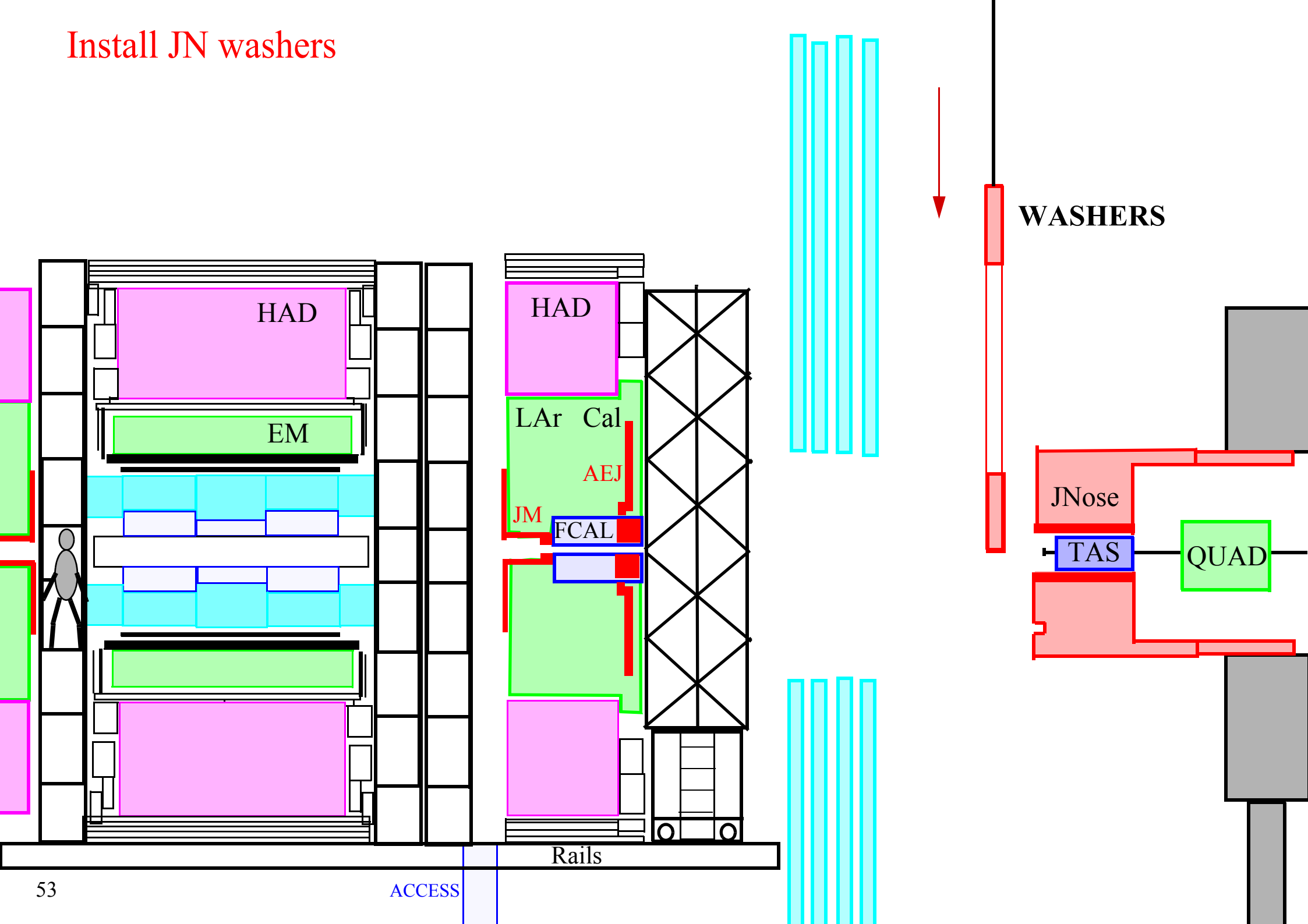
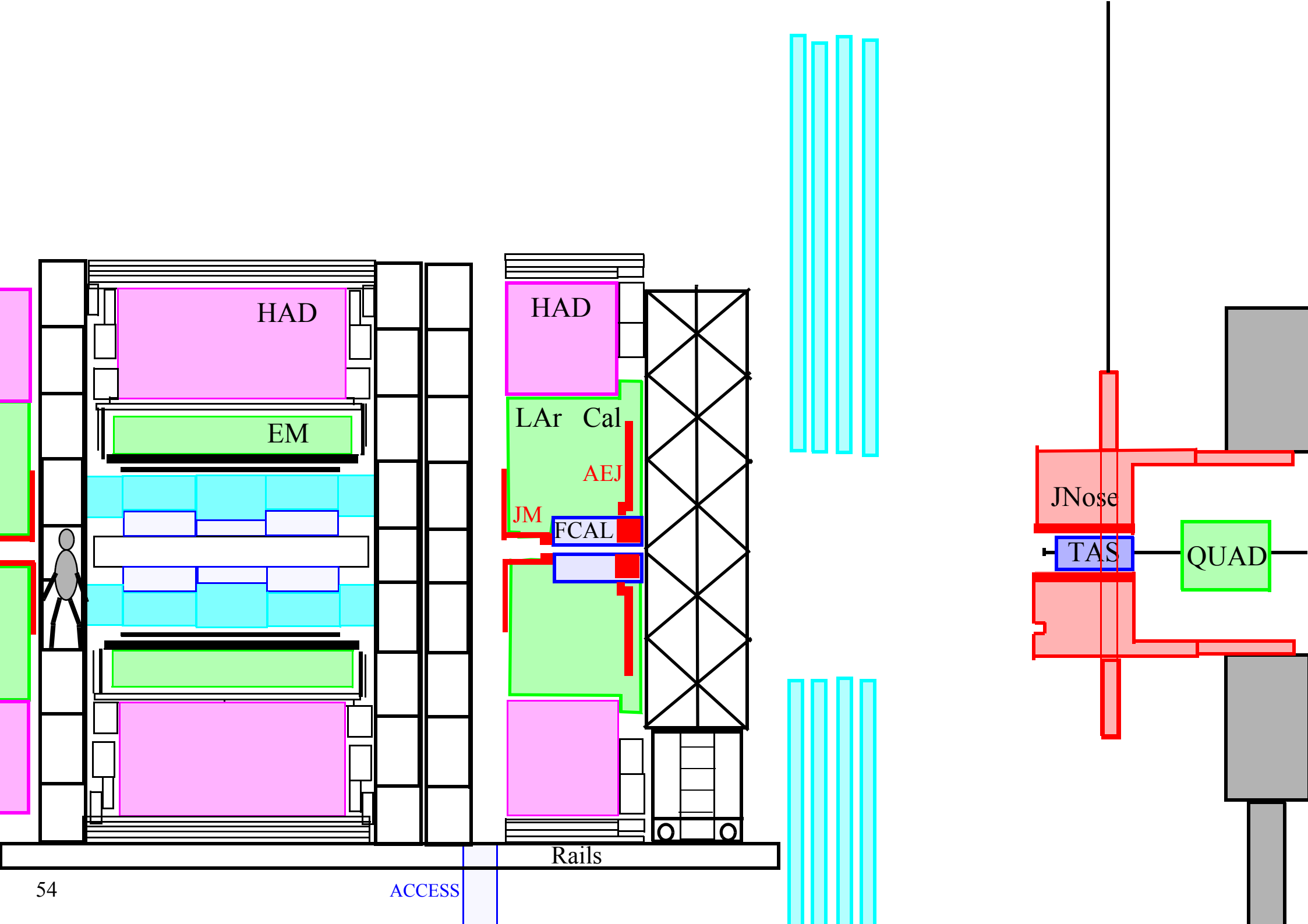
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS


TGC 3
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

Install JN washers

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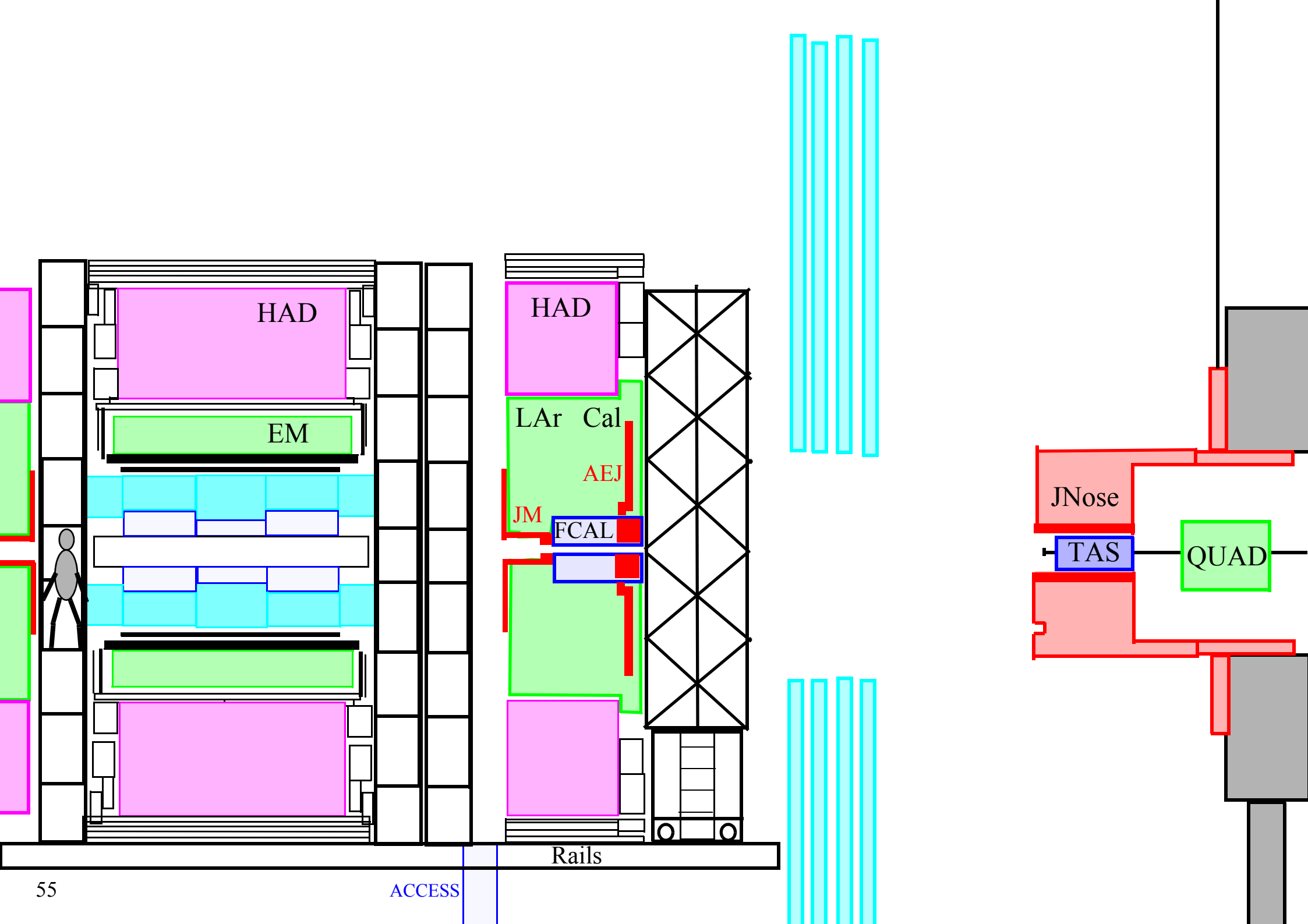
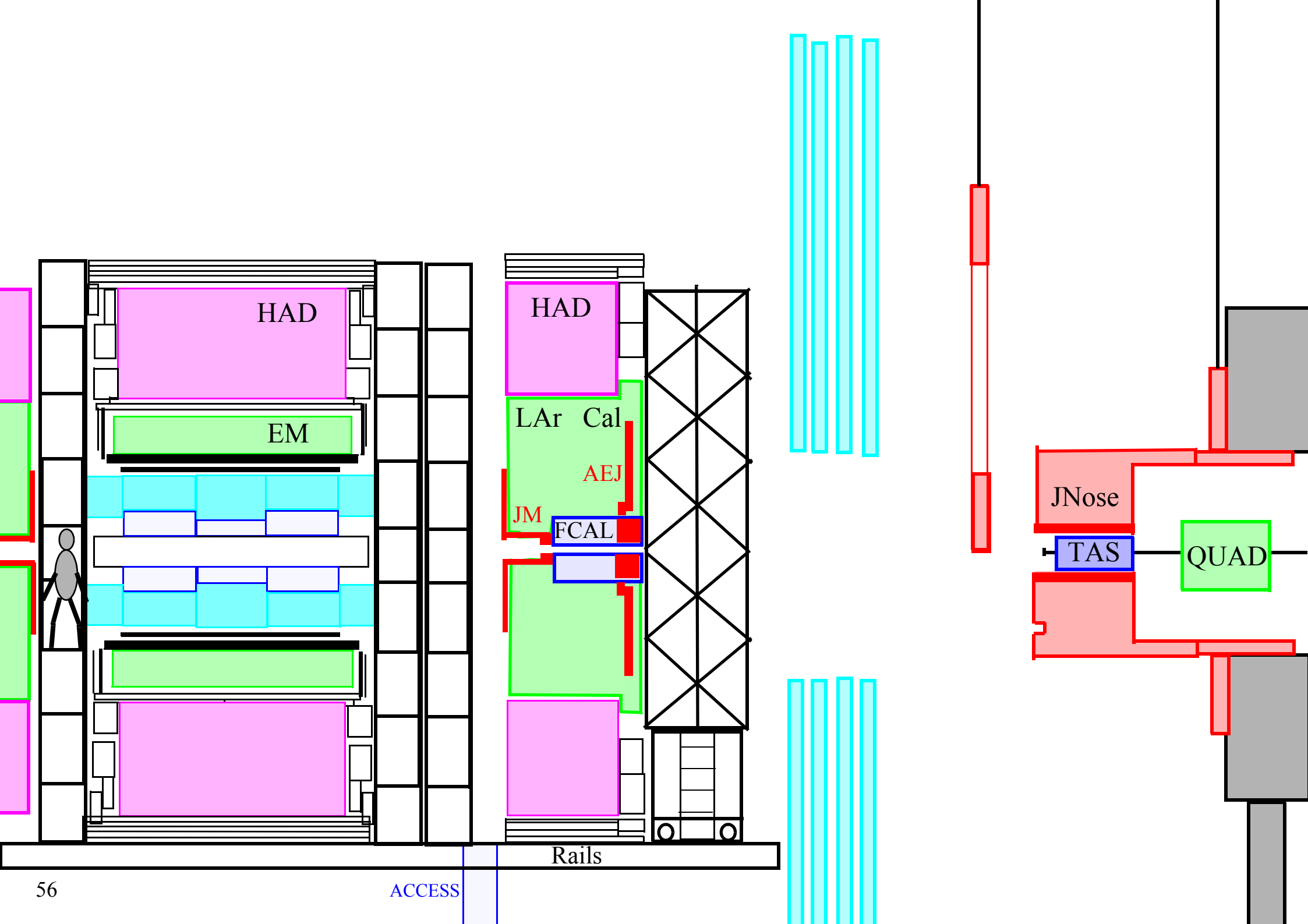
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS


HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS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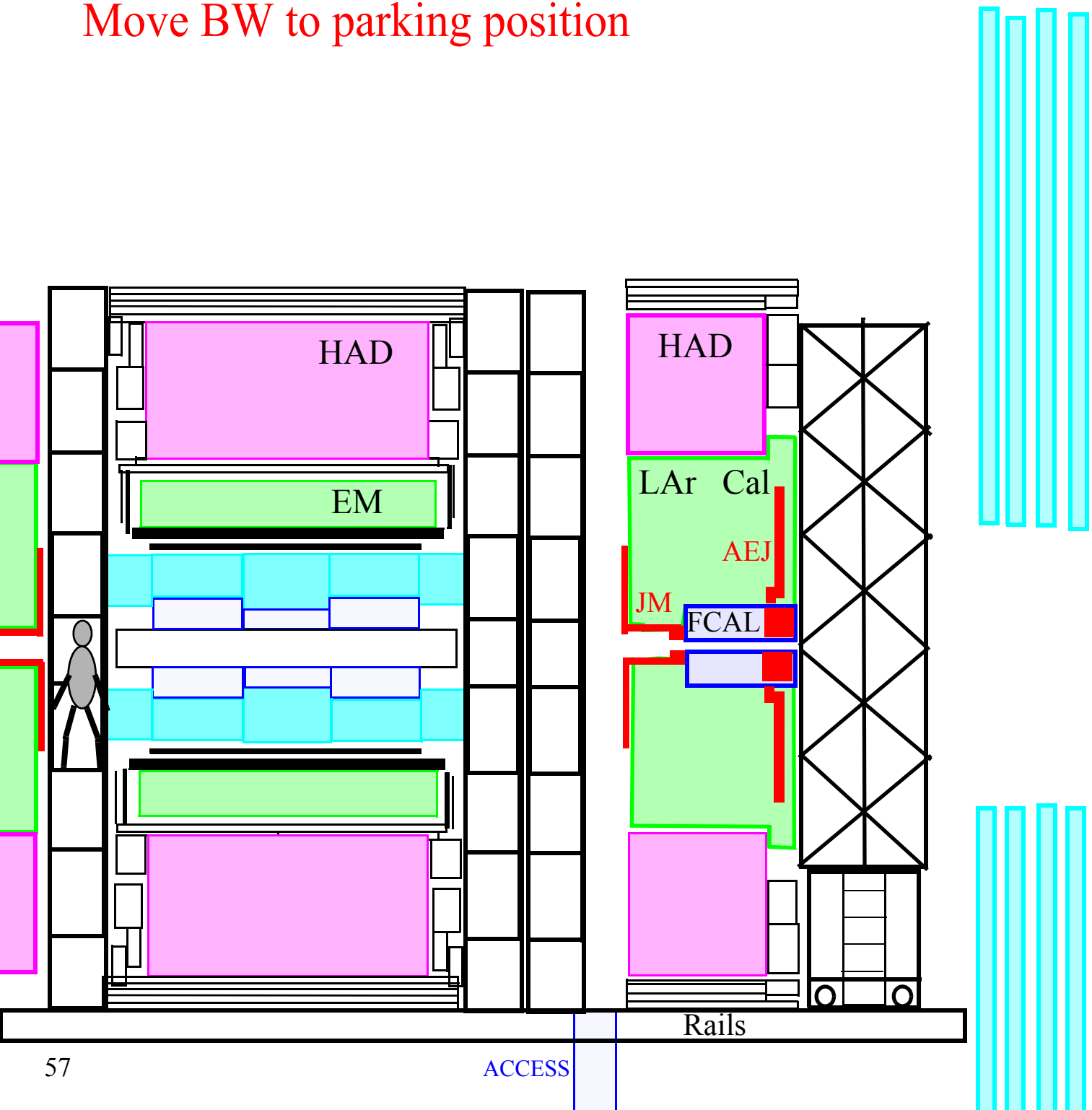
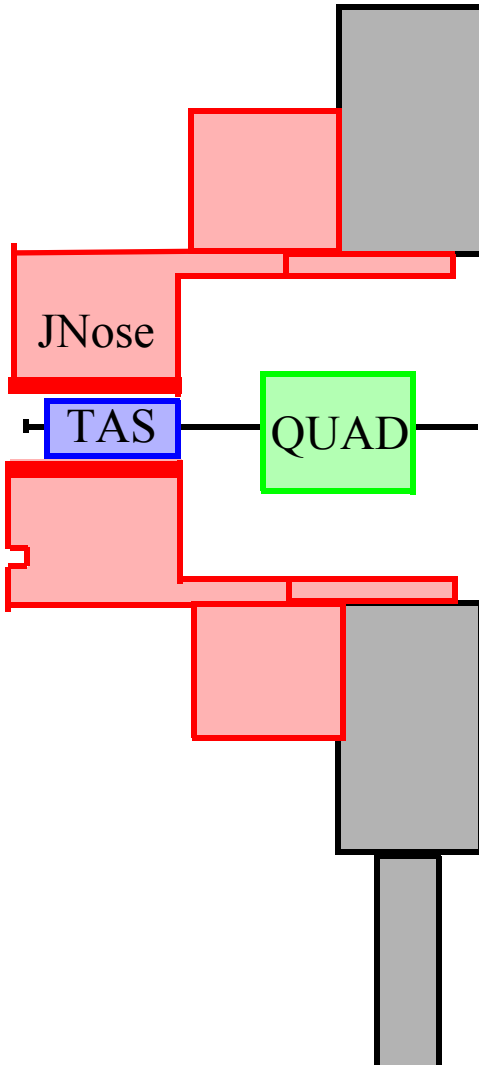
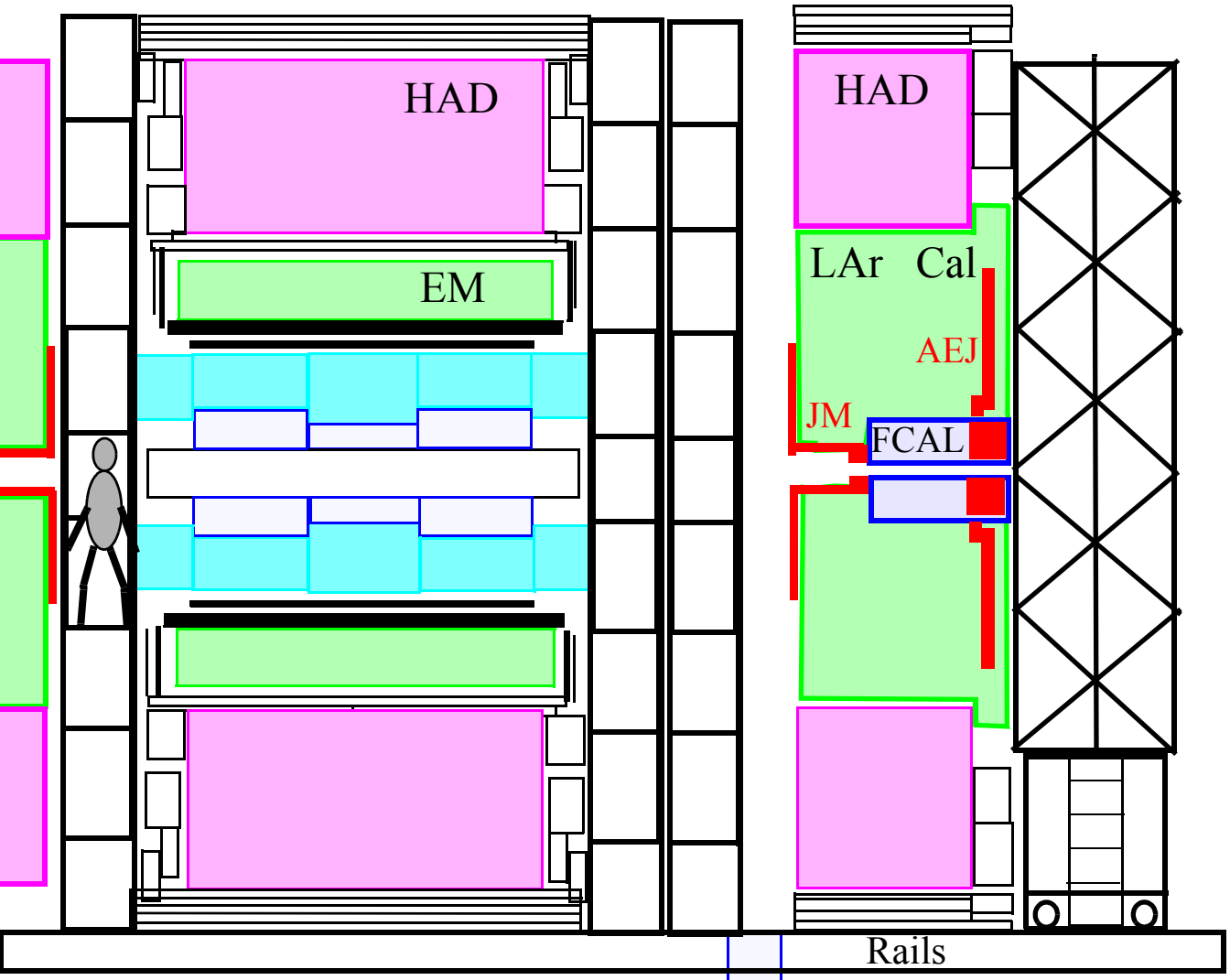
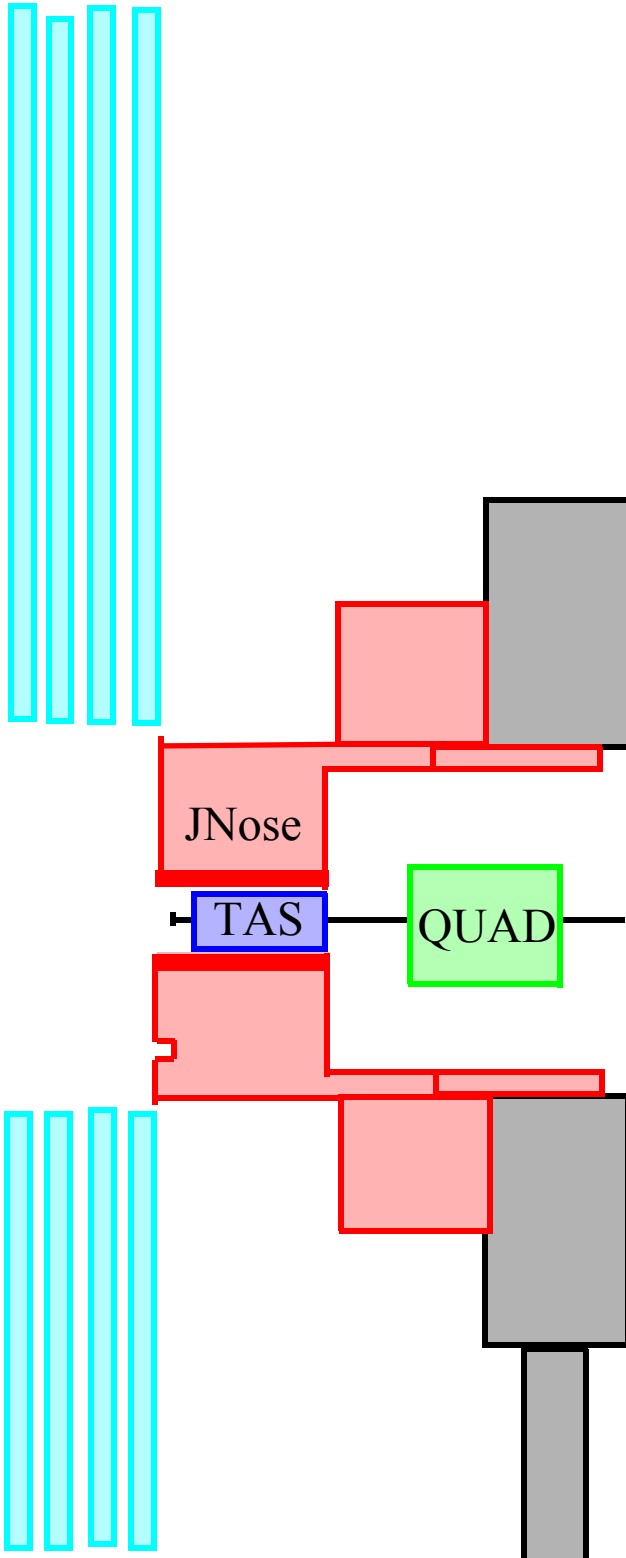
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

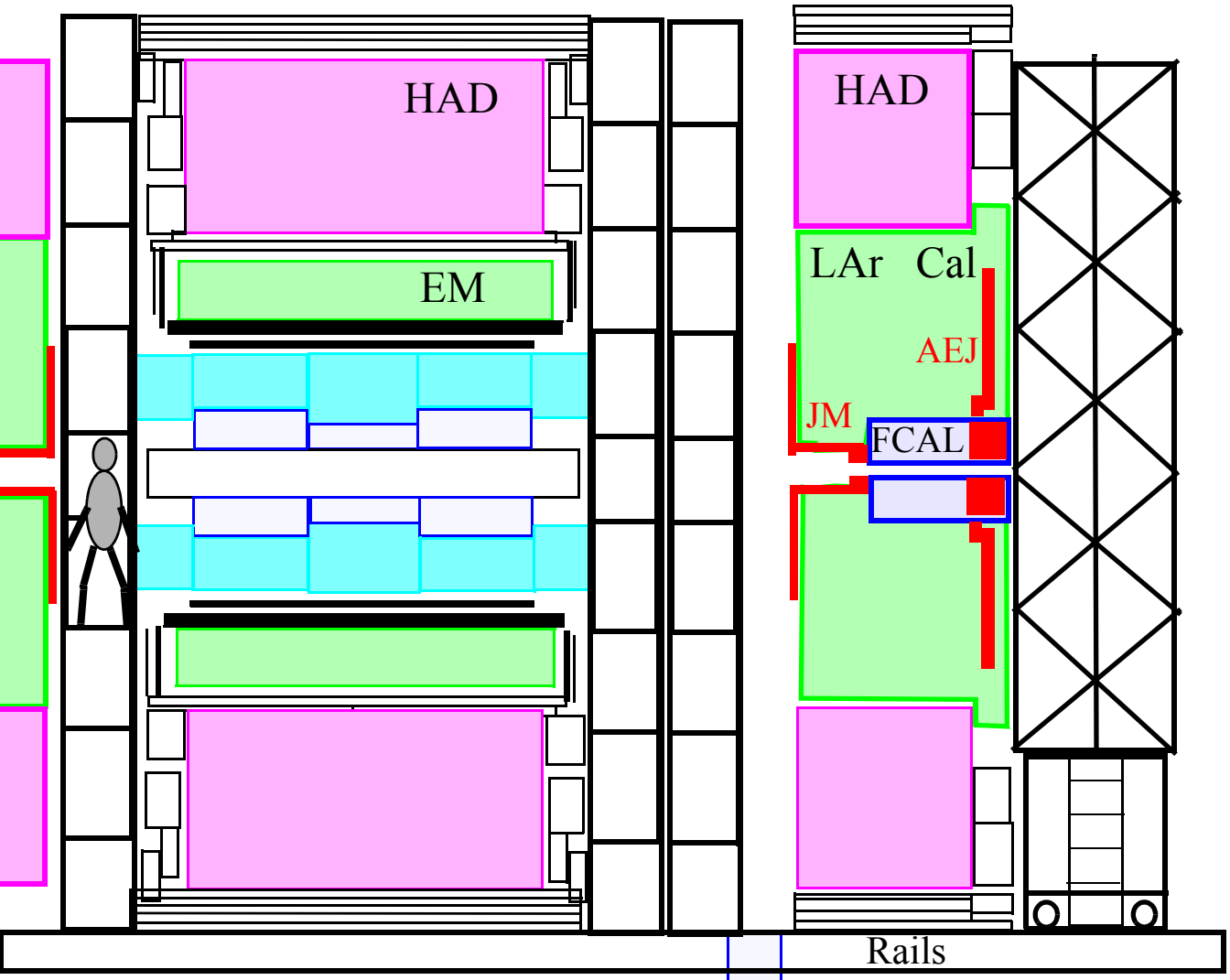
Move BW to parking position

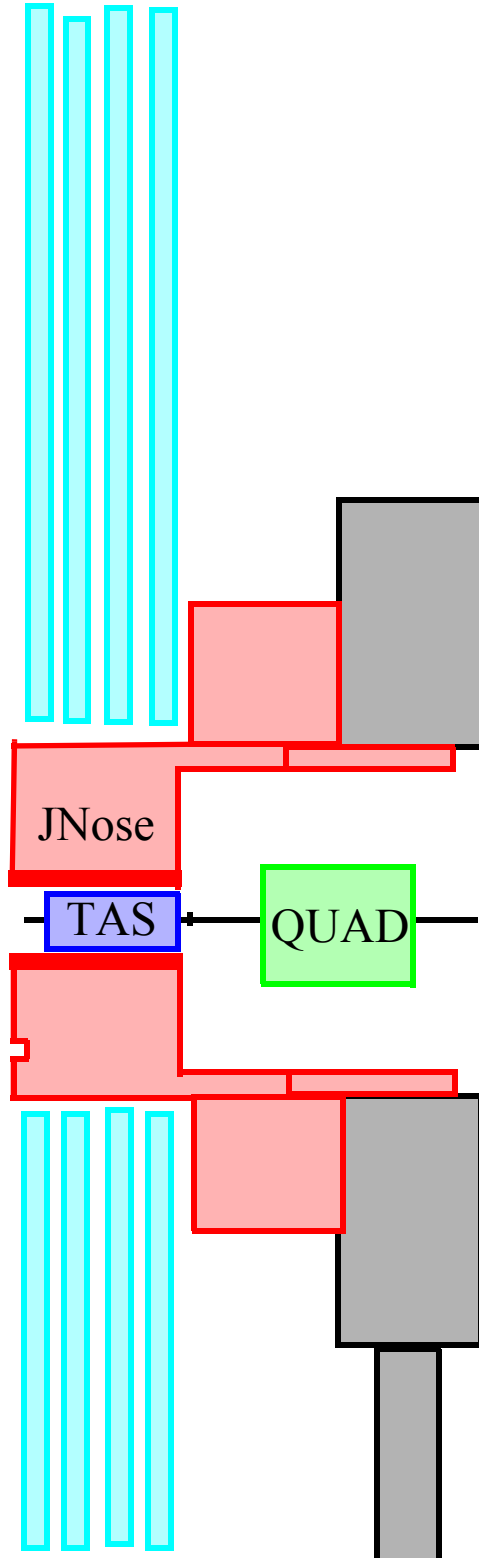


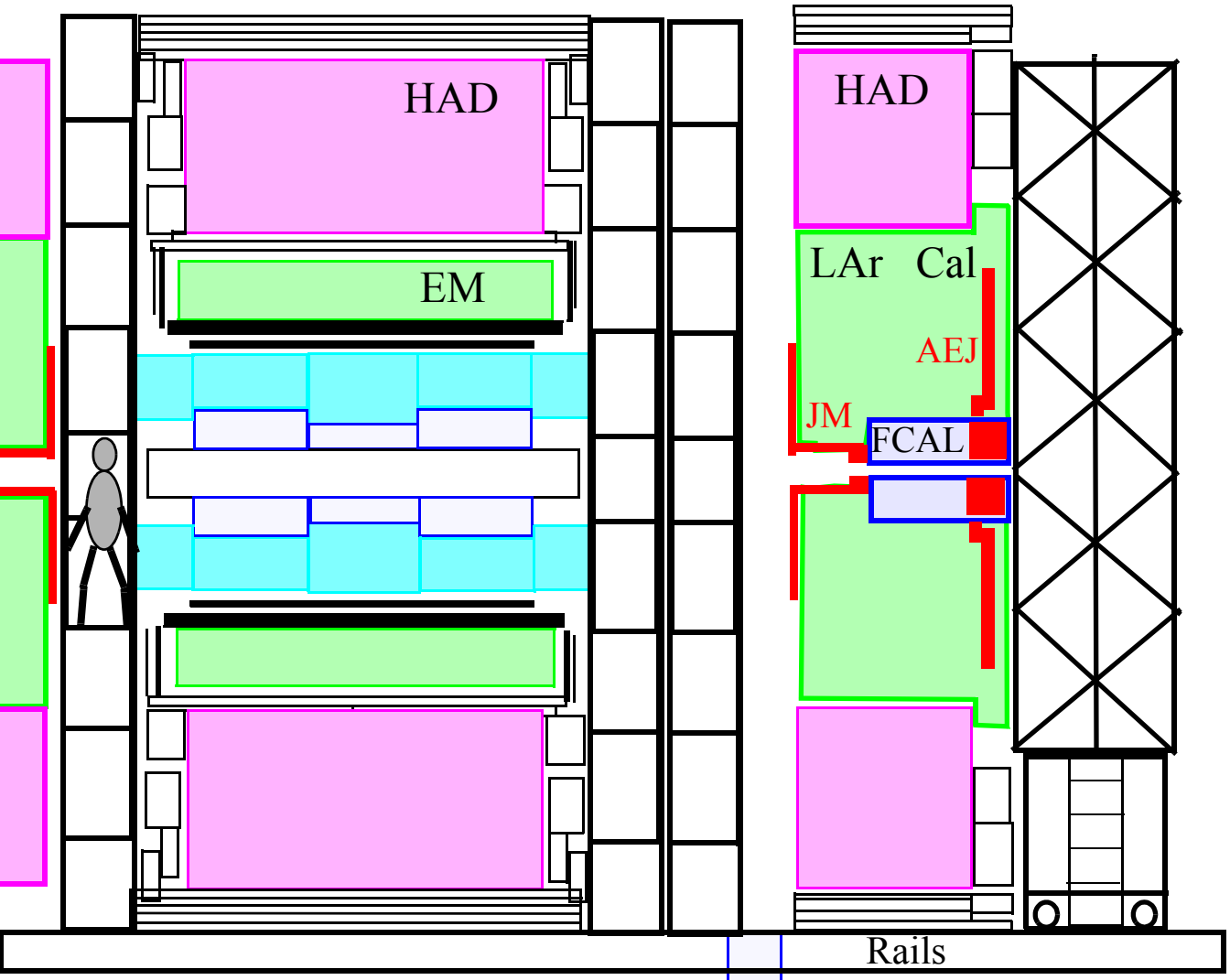


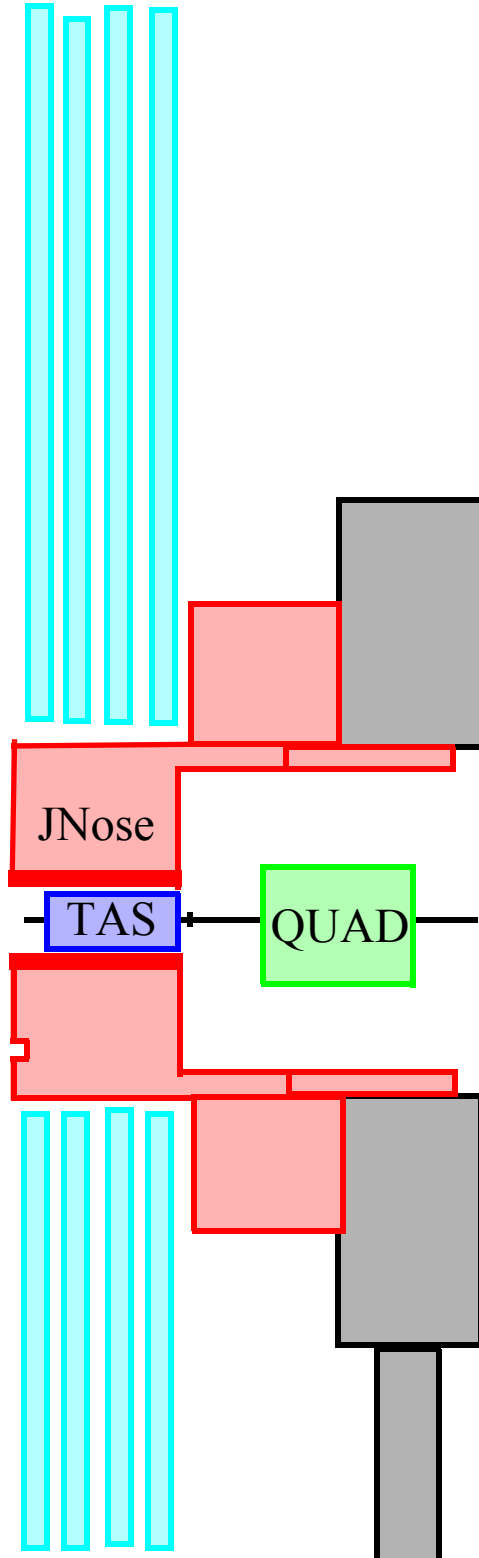

HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
Rails
ACCESS


JNose
TAS
QUAD

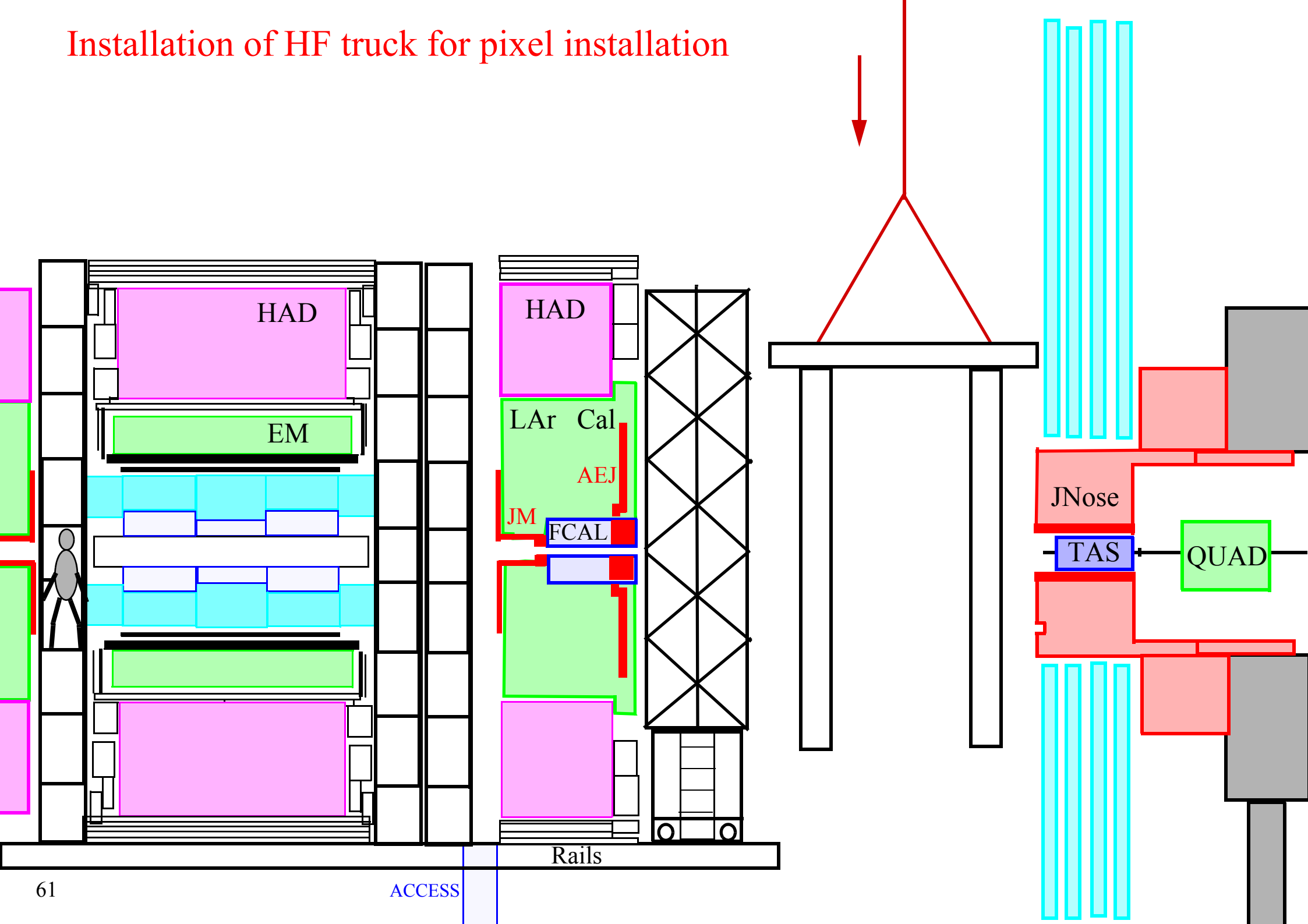

HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
Rails
ACCESS

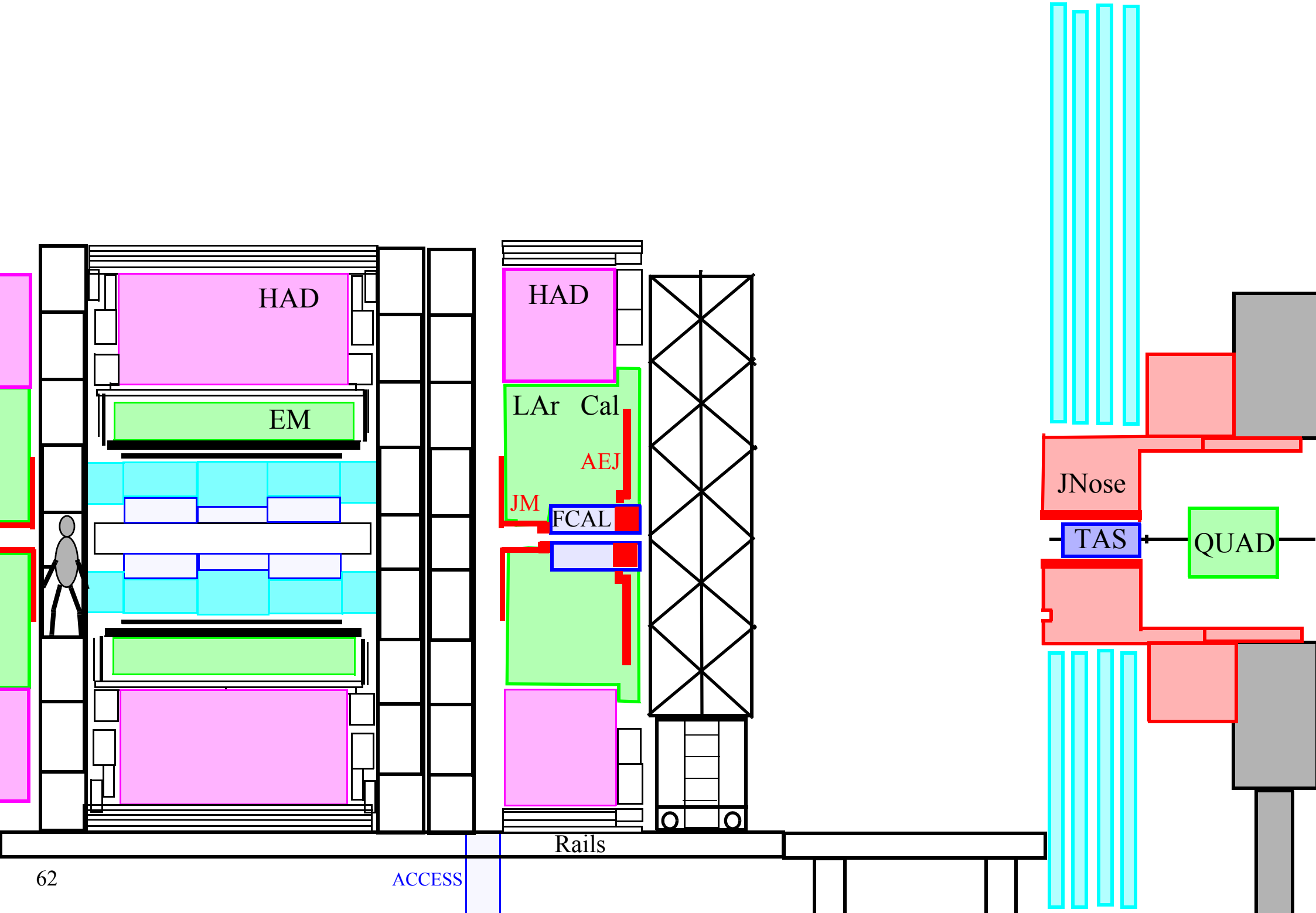

JNose
TAS
QUAD


HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
Rails
ACCESS

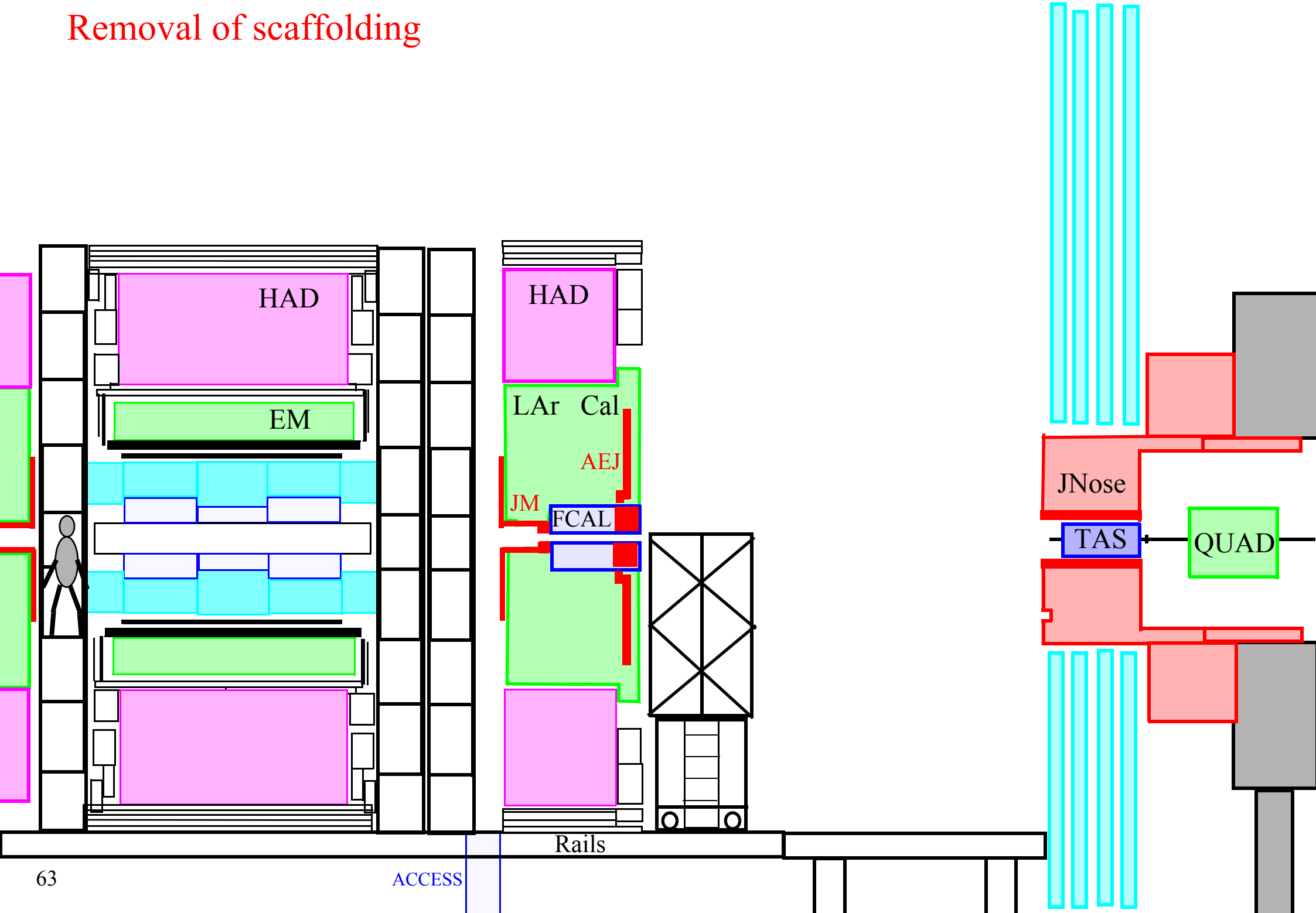

JNose
TAS
QUAD

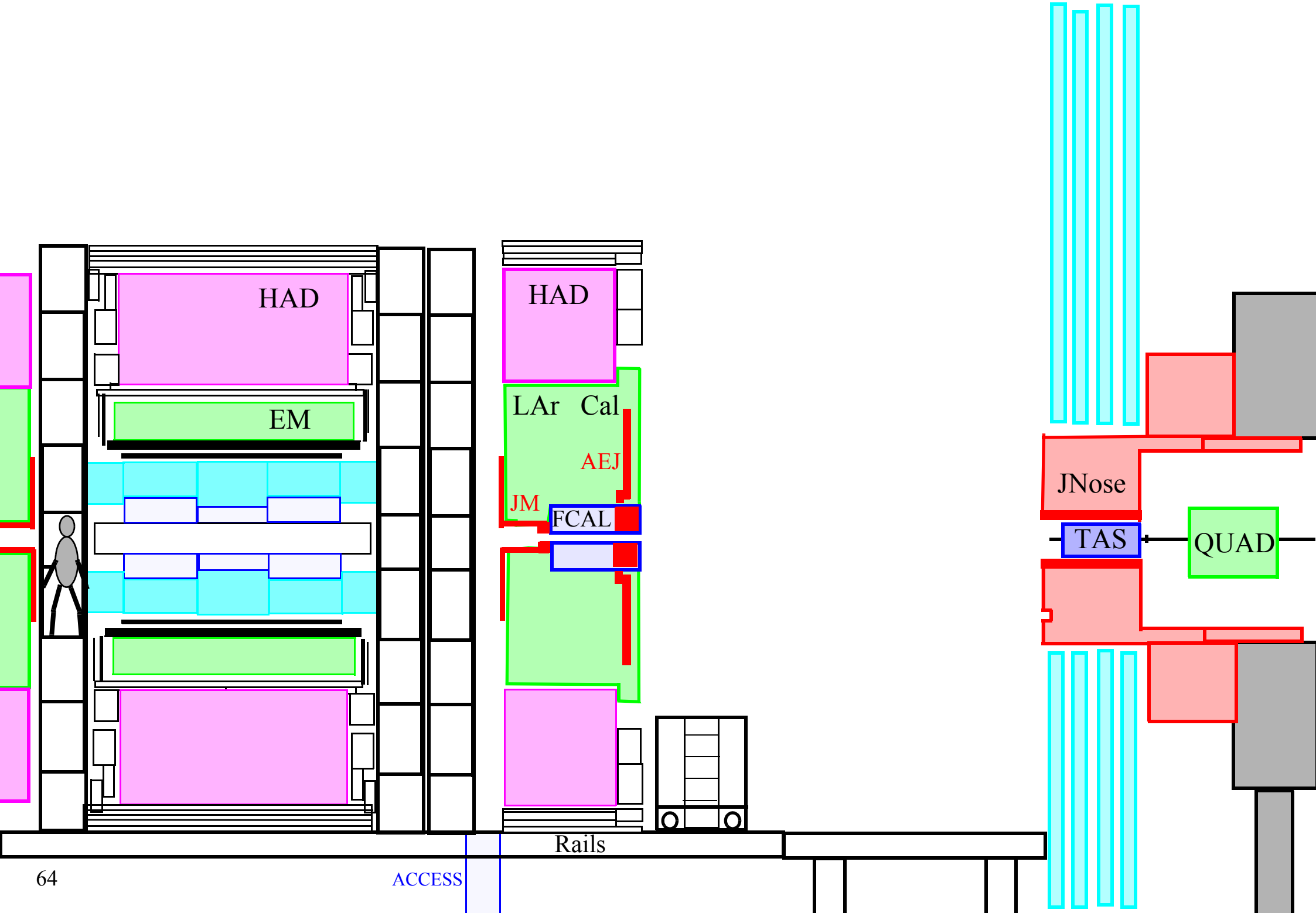
Installation of HF truck for pixel installation

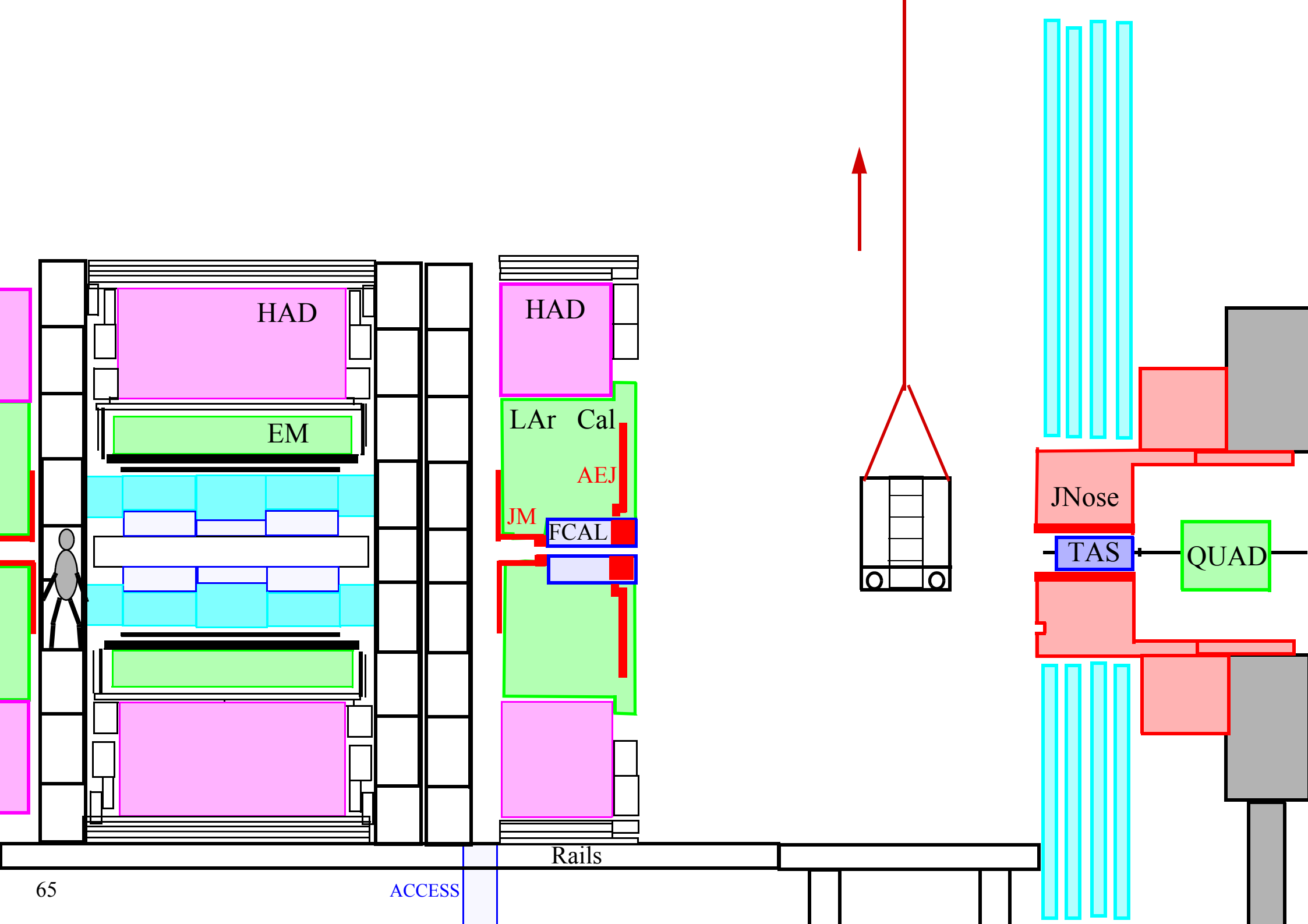


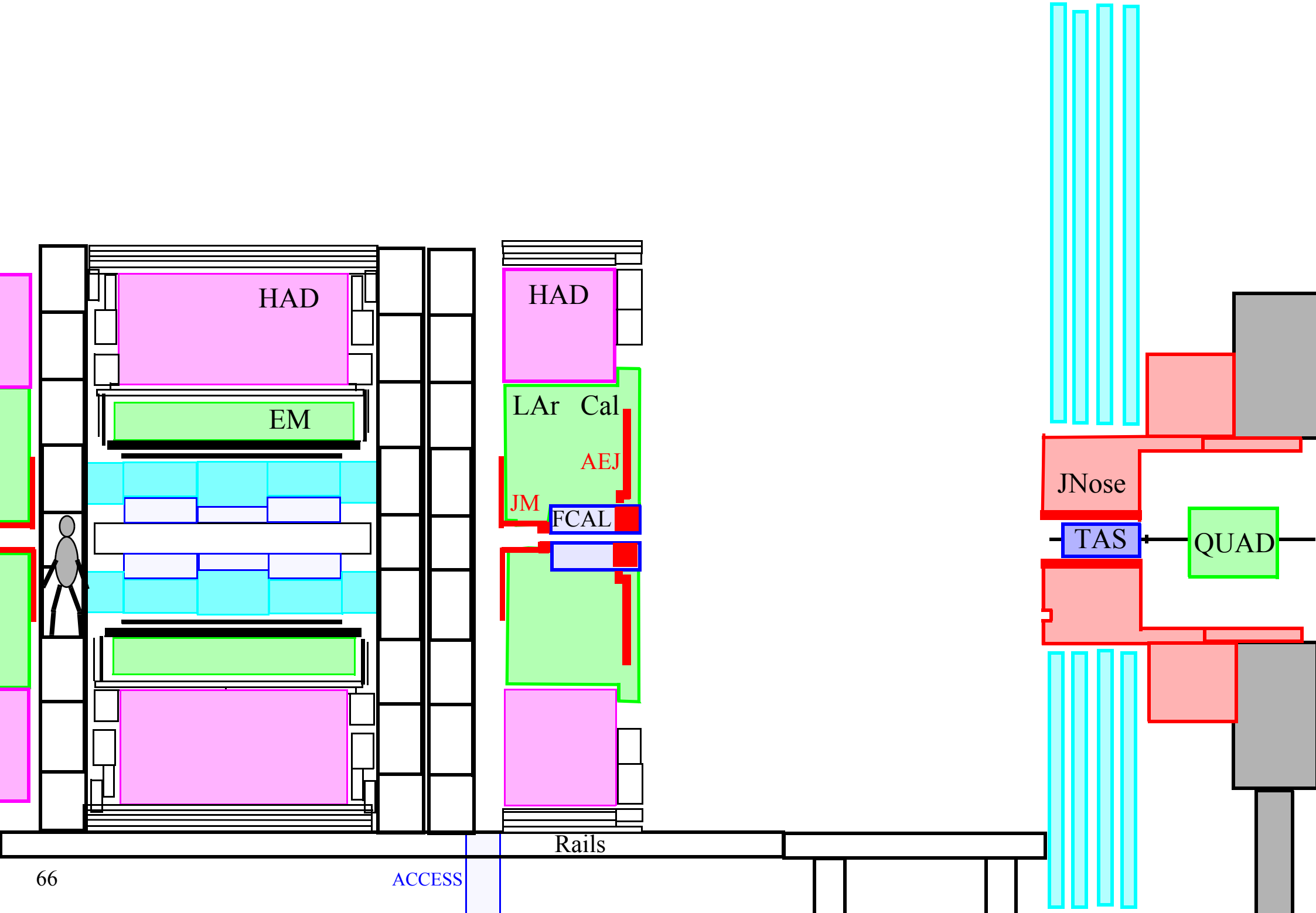

HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

Removal of scaffolding

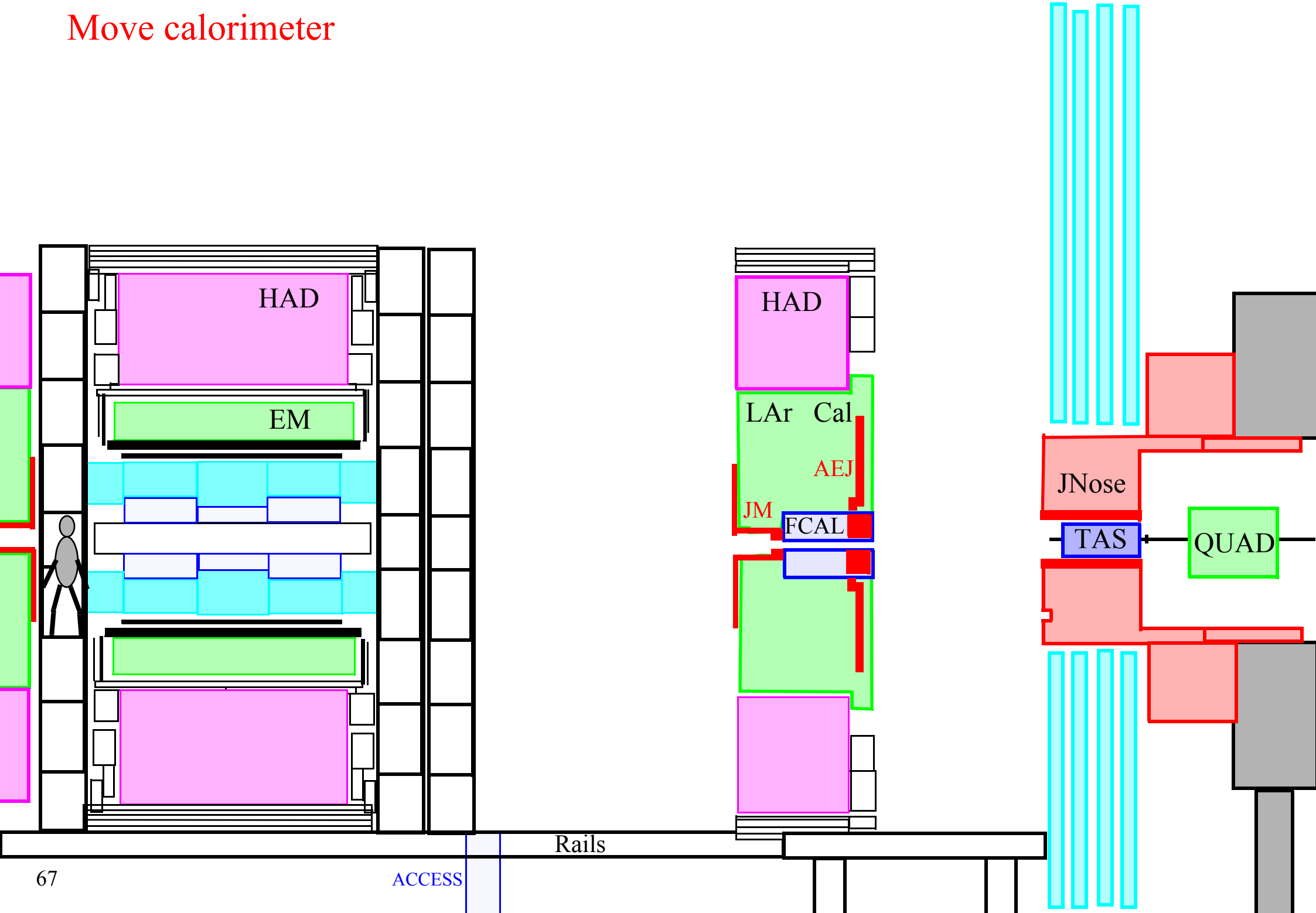


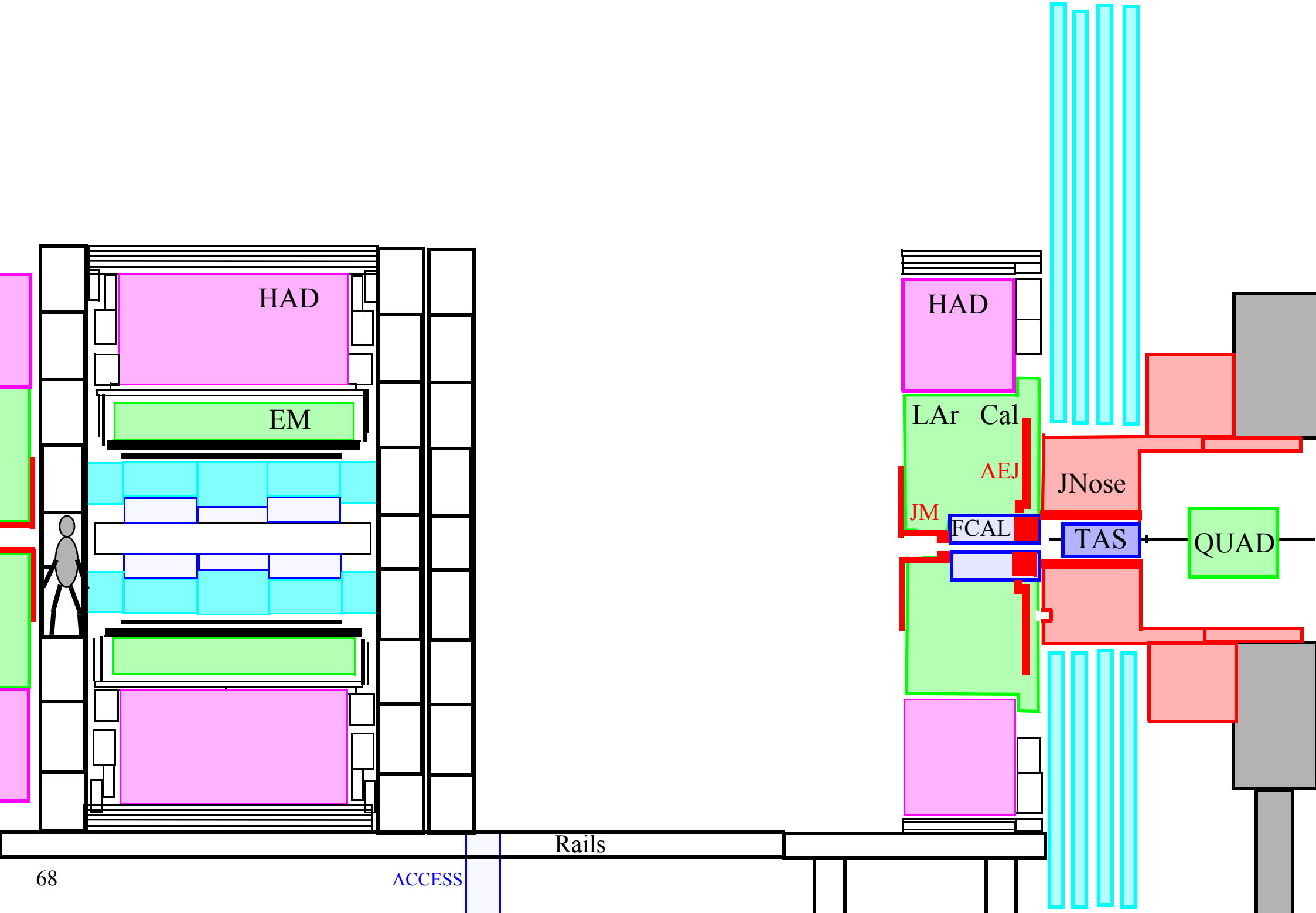

HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS


HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

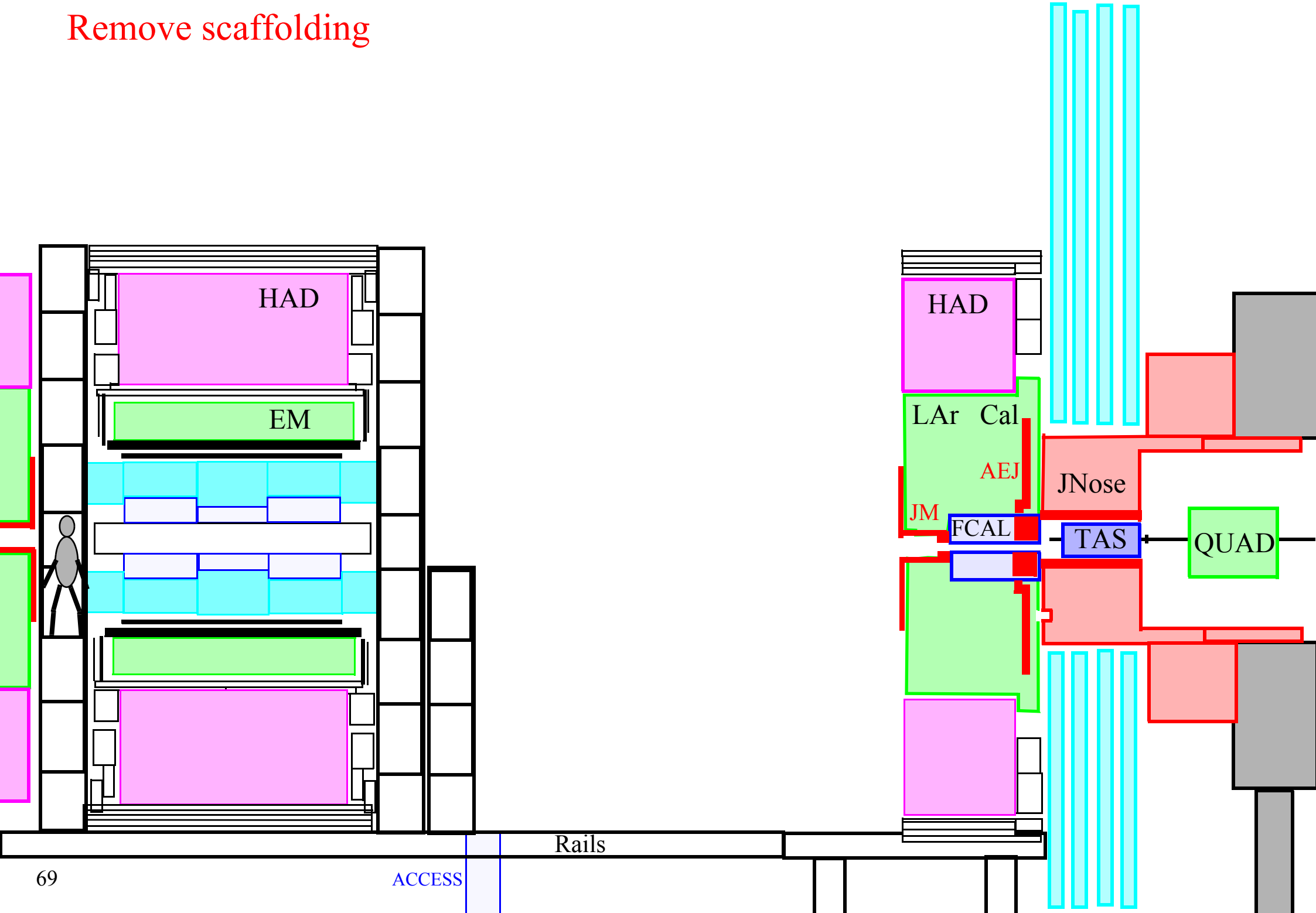

HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

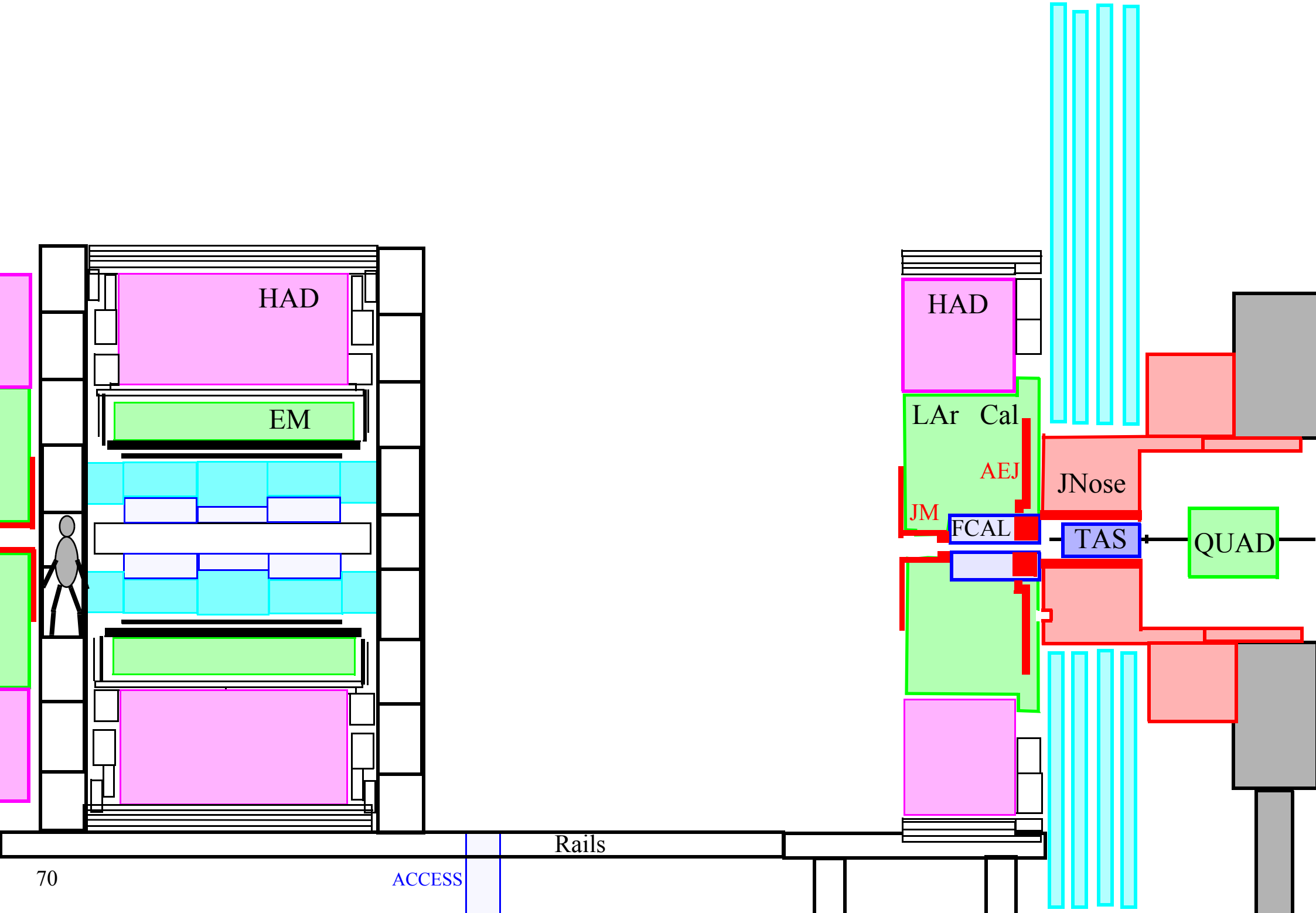
Move calorimeter




HAD
EM
HAD
LAr Cal
AEJ
JNose
JM
FCAL
TAS
QUAD
Rails
ACCESS

Remove scaffolding




HAD
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HAD
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AEJ
JNose
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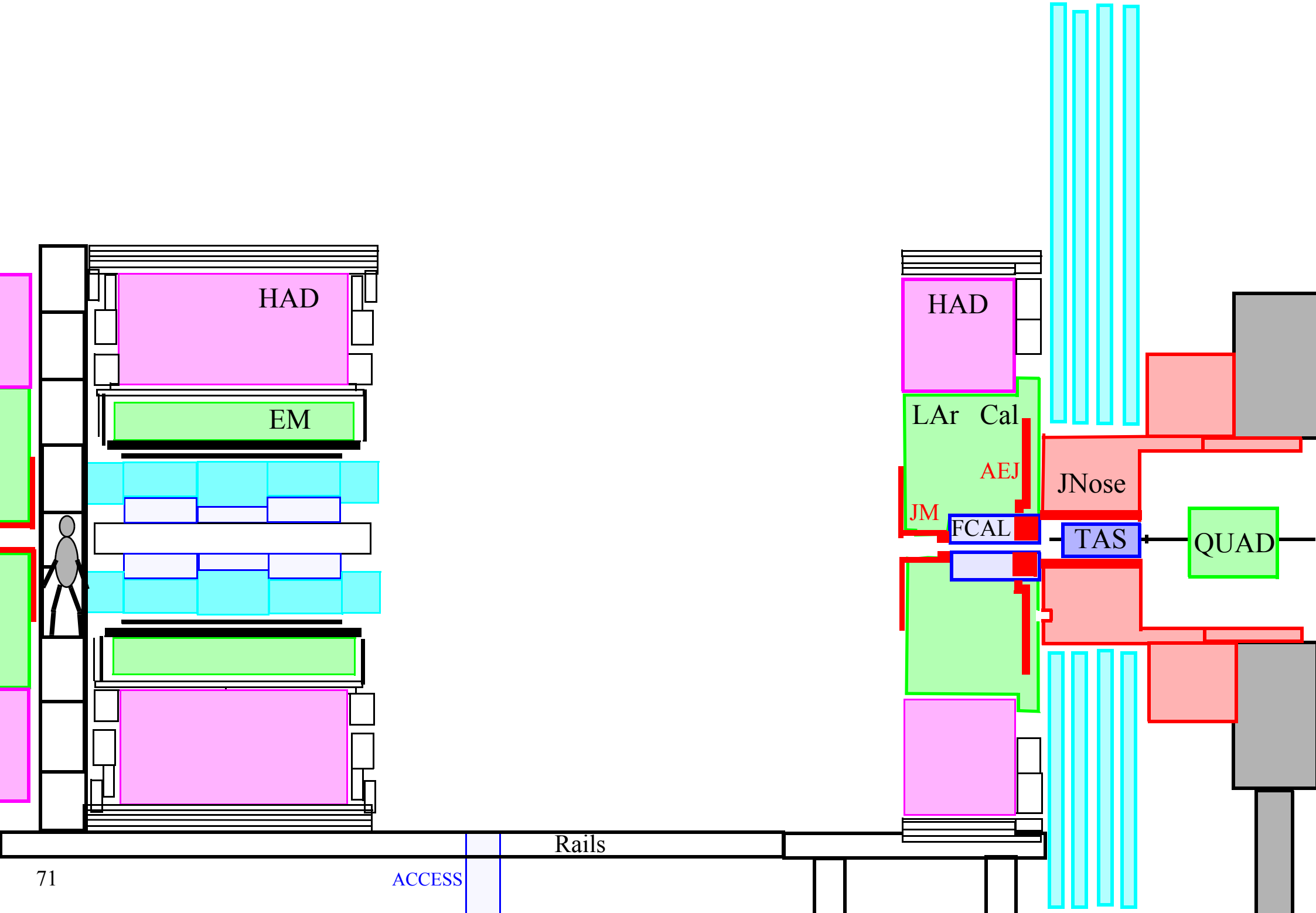
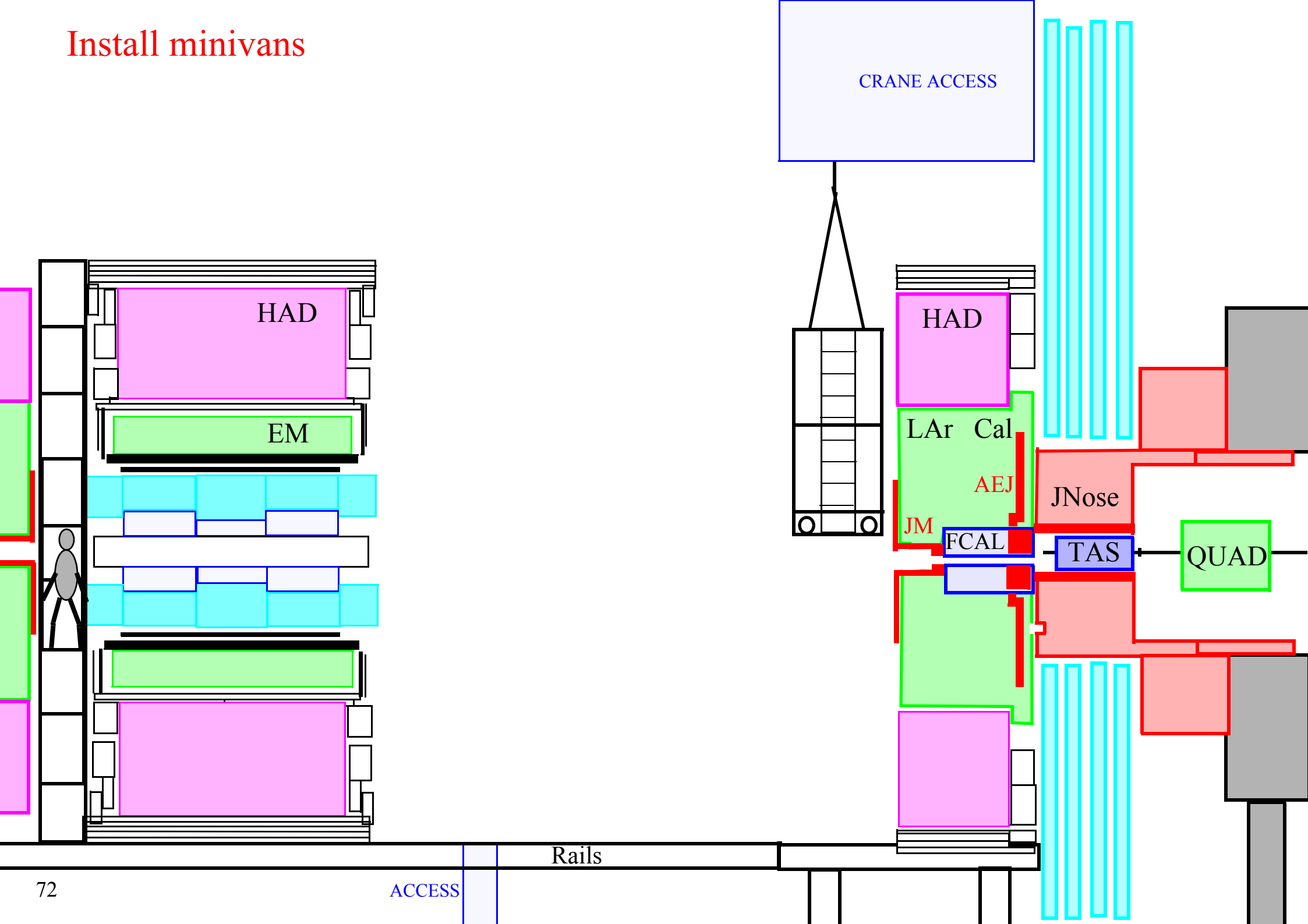
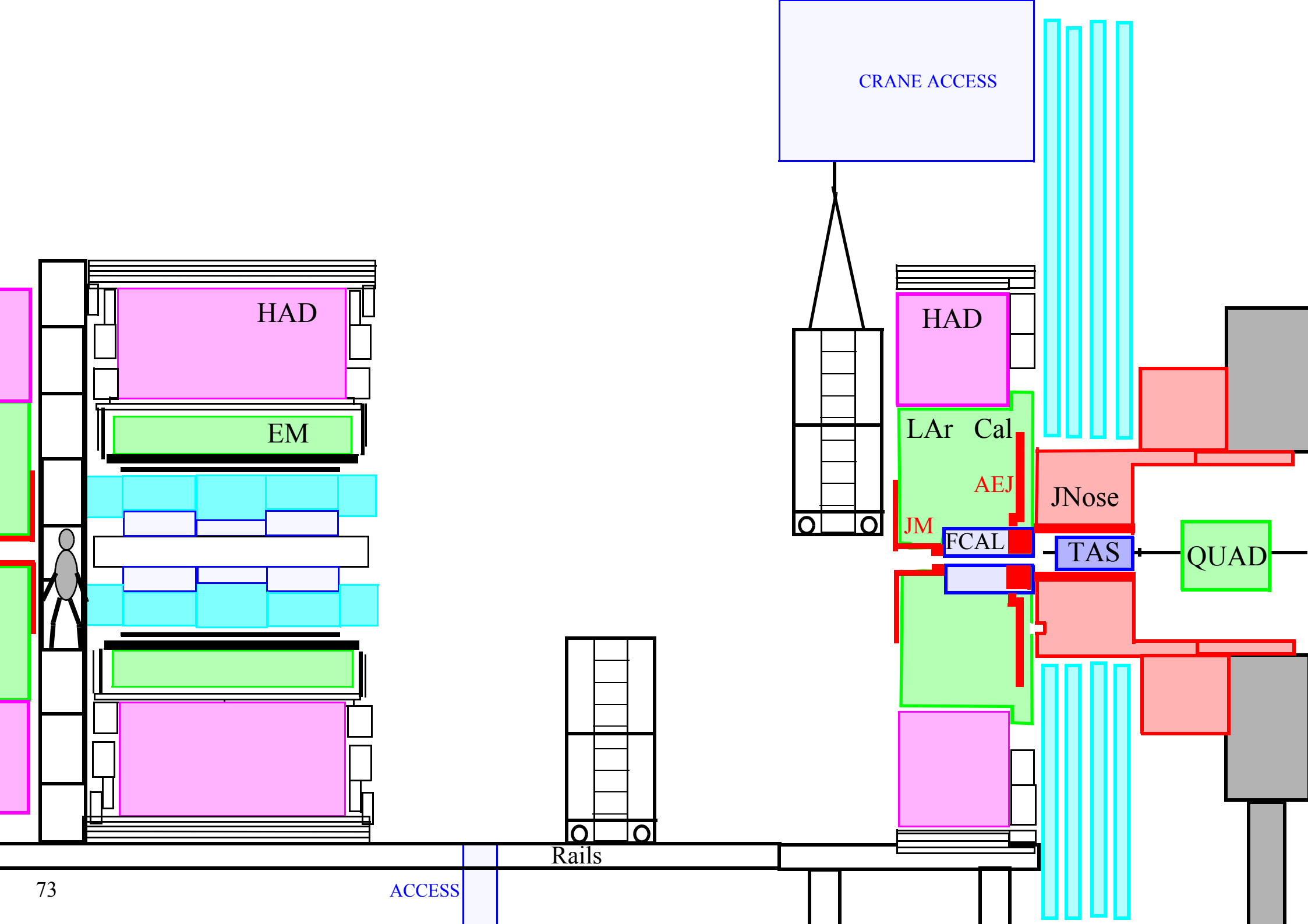
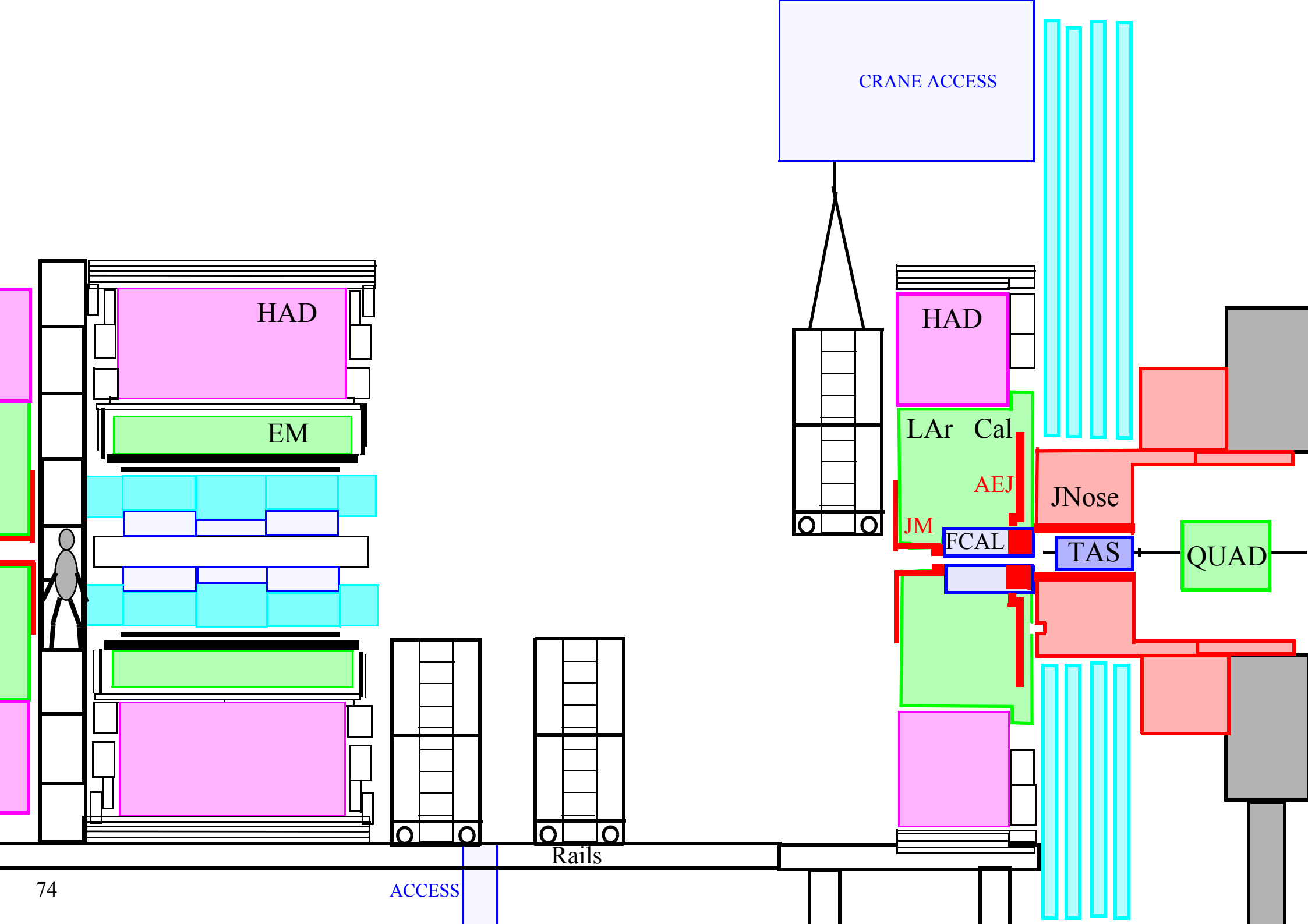
FCAL
TAS
QUAD
Rails
ACCESS


HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

Install minivans




CRANE ACCESS
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS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FCAL
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Rails
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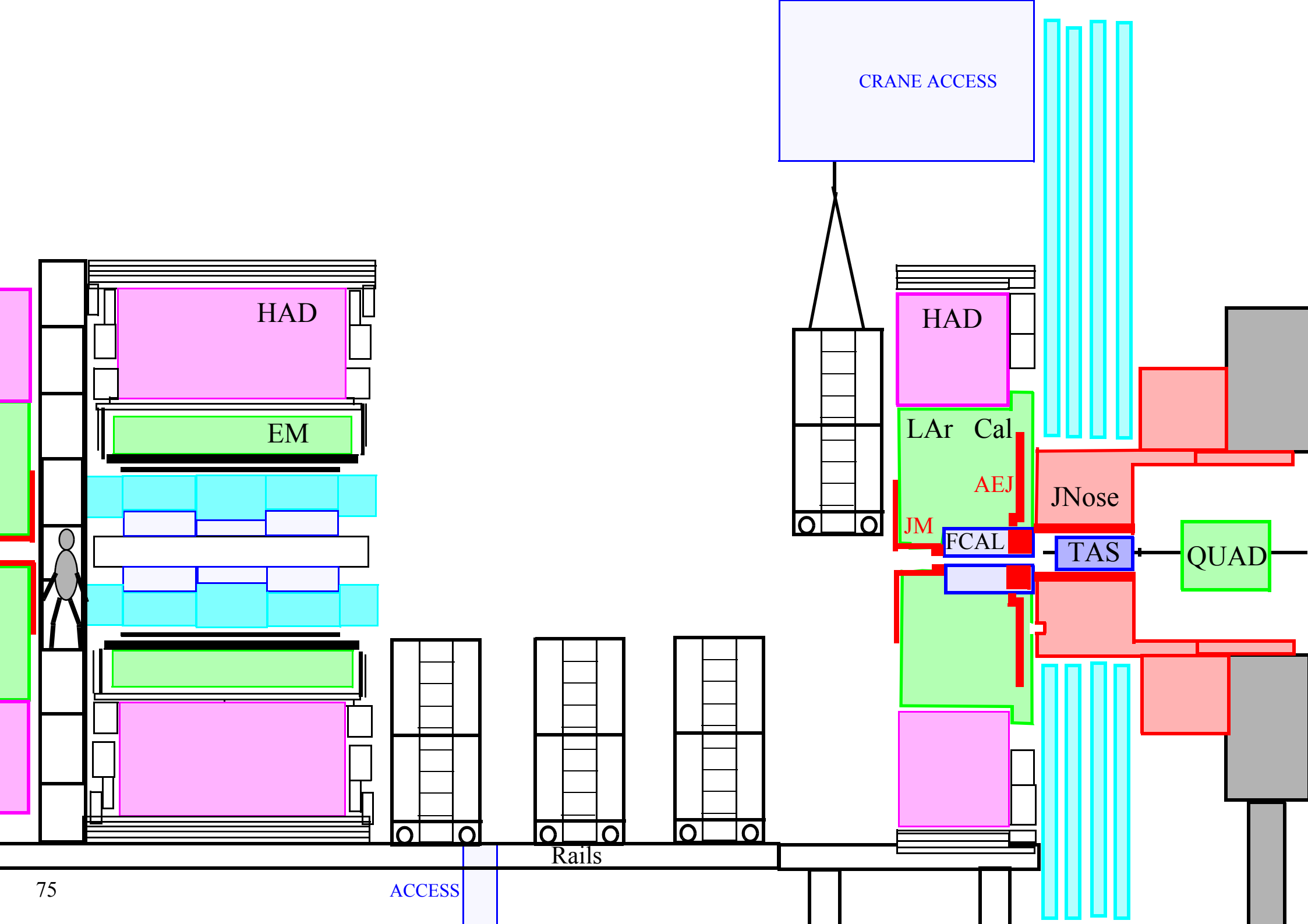
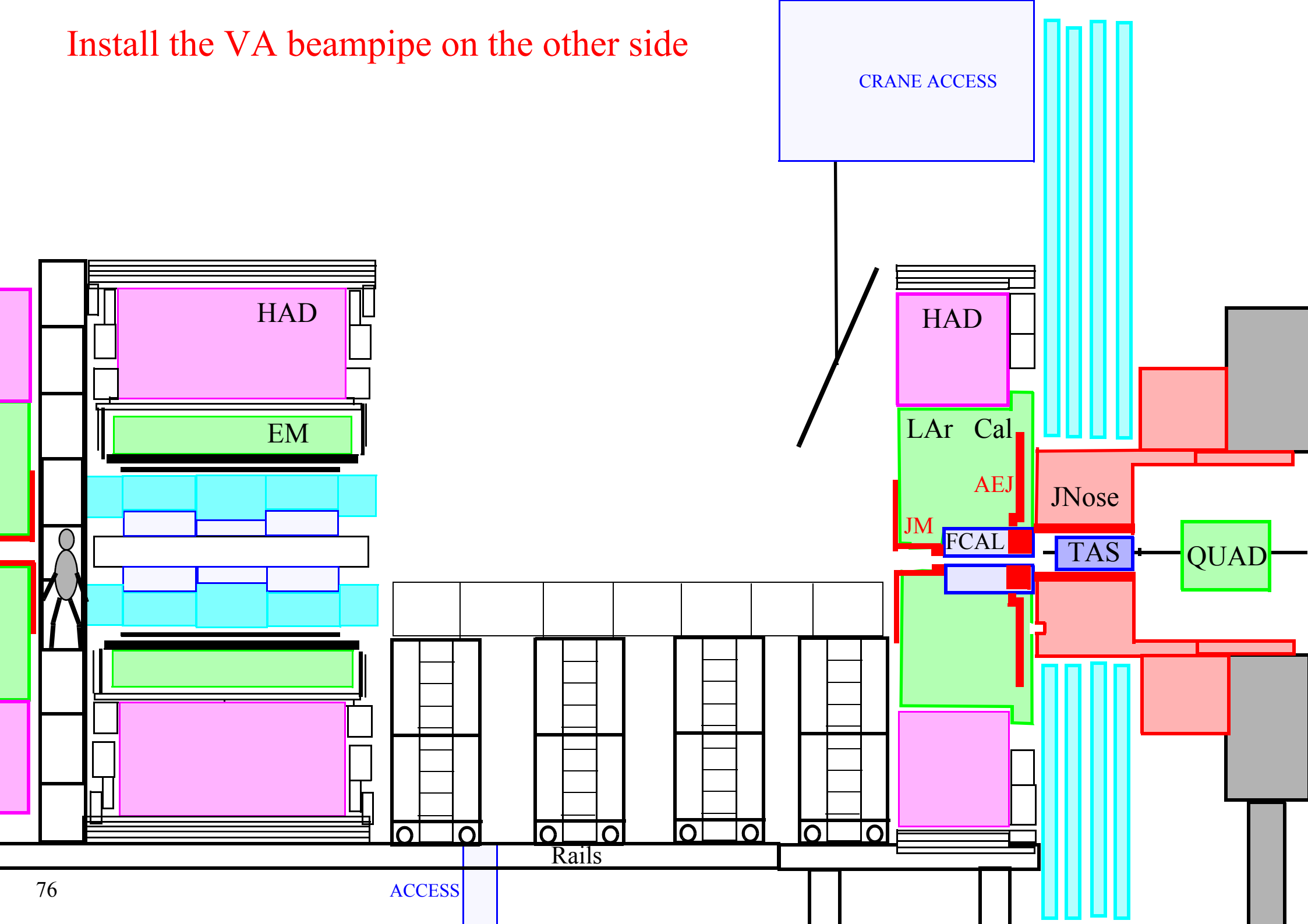
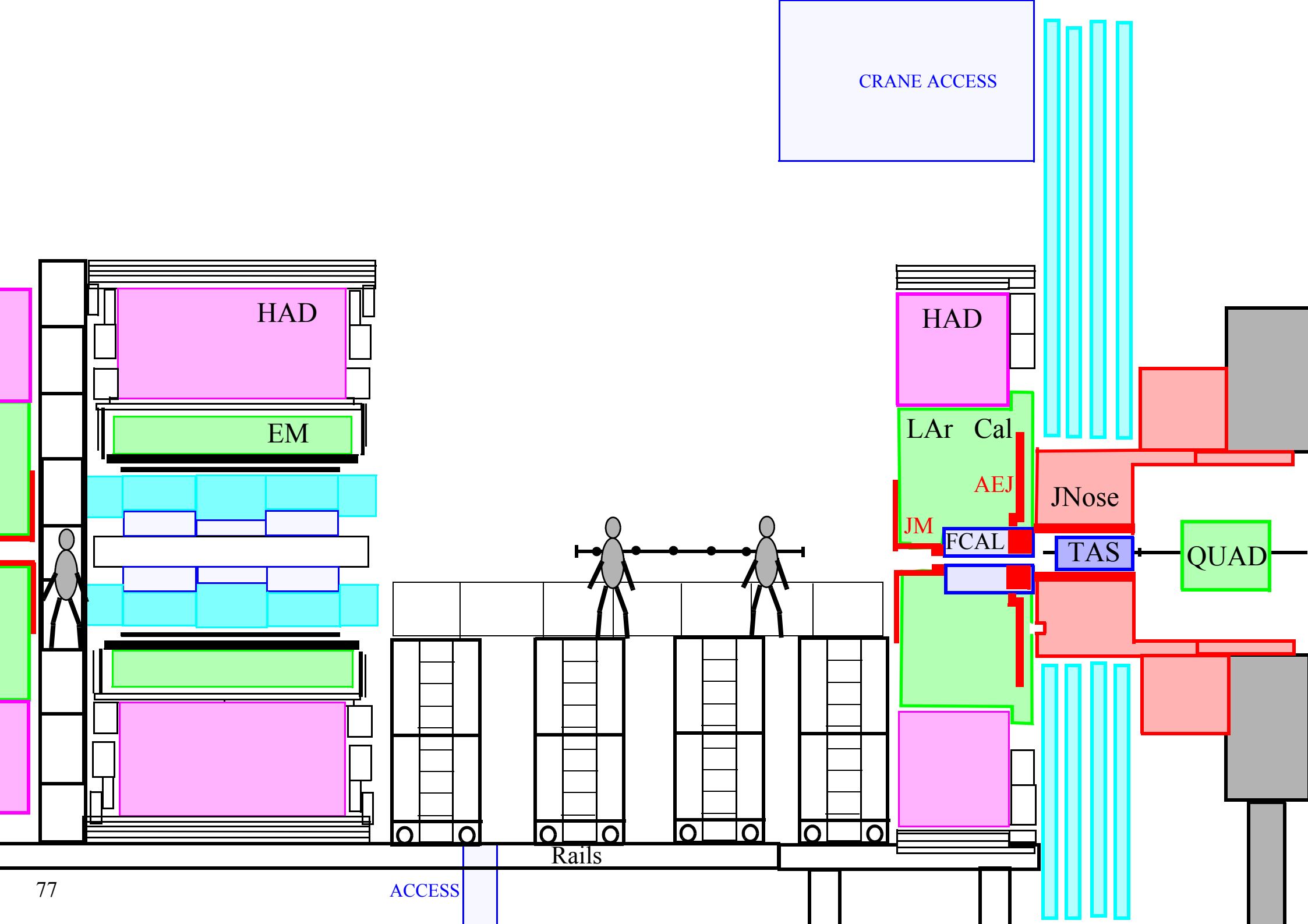

CRANE ACCESS
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

Install the VA beampipe on the other side




CRANE ACCESS
HAD
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HAD
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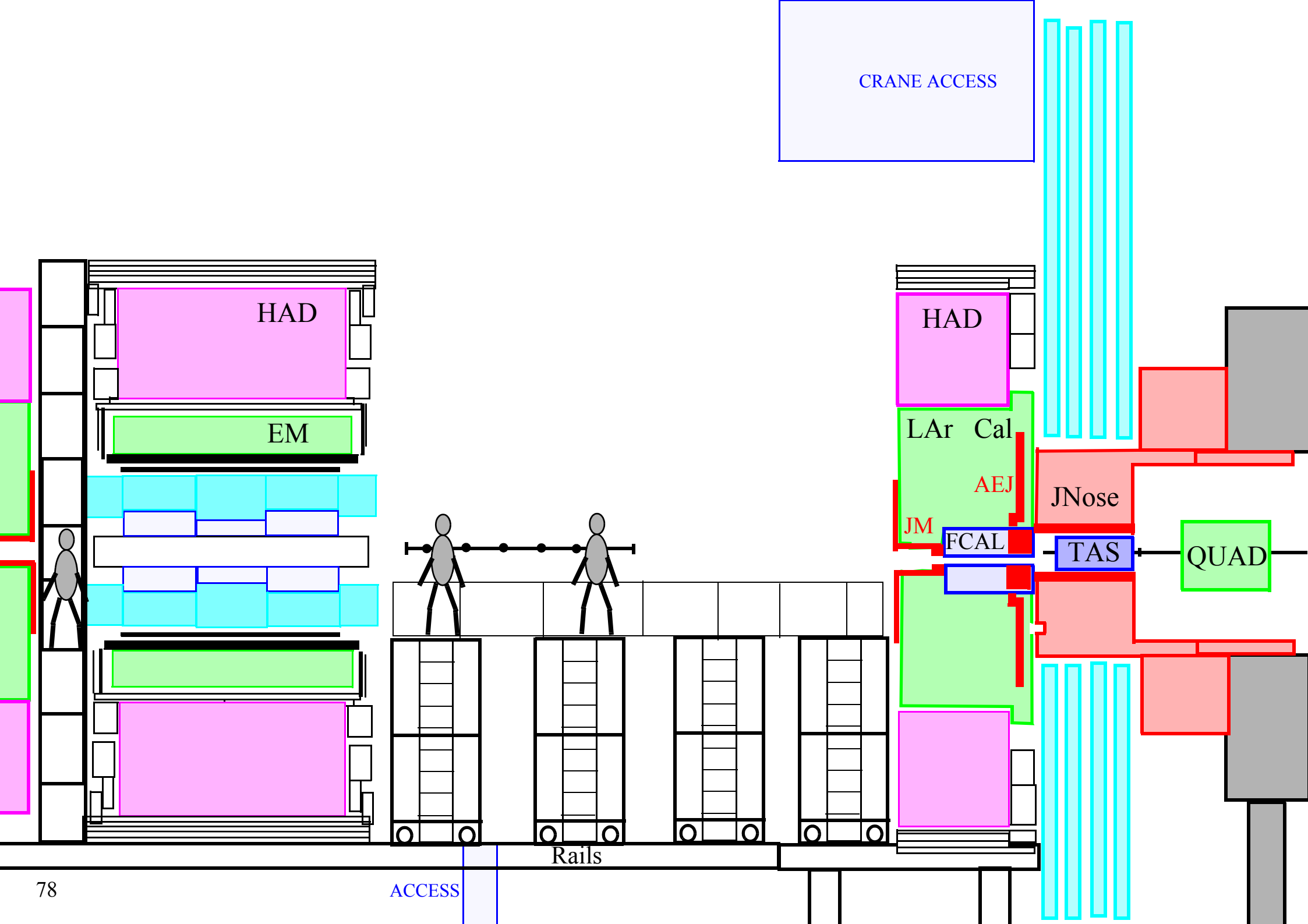
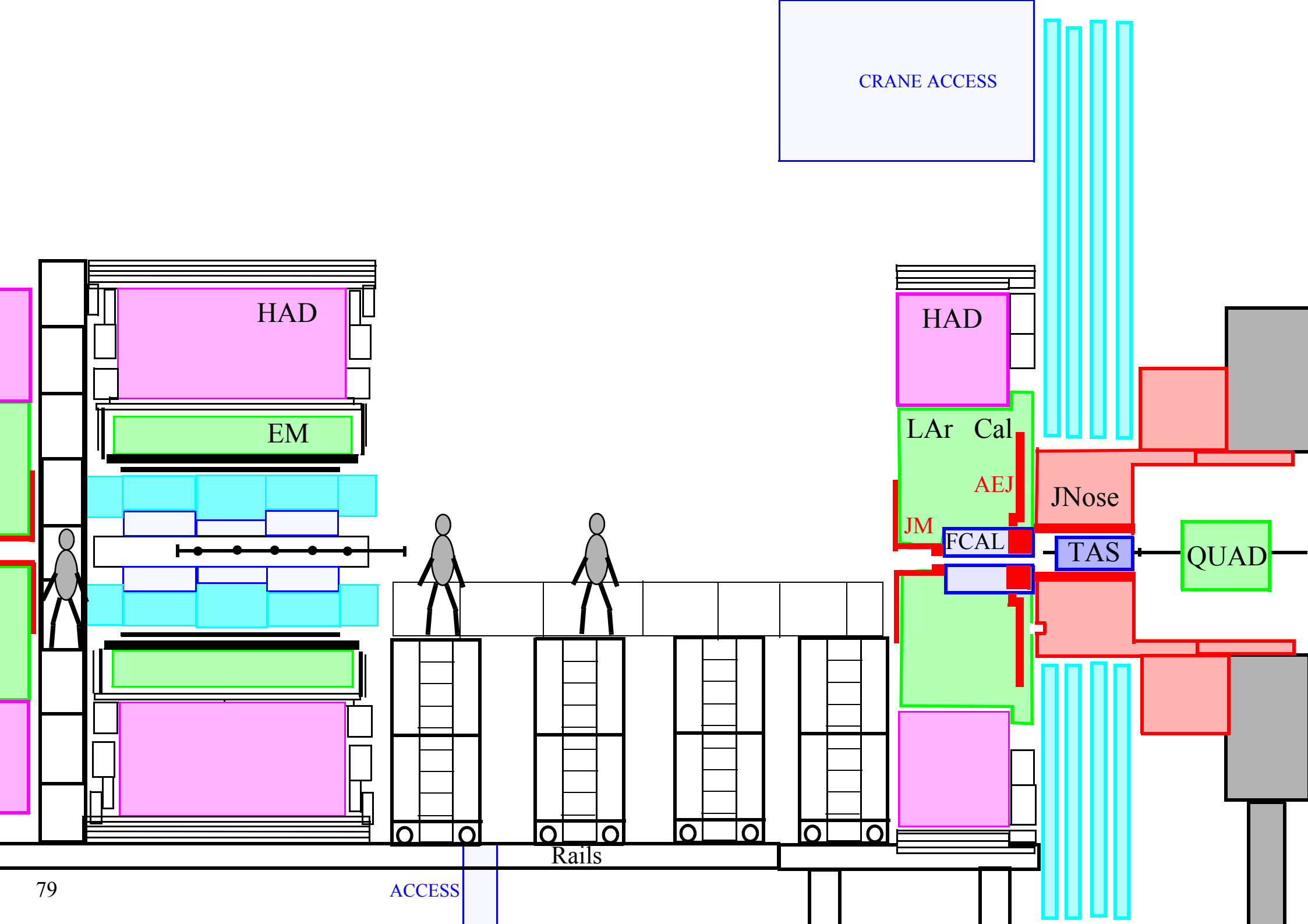
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS


CRANE ACCESS
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS


CRANE ACCESS
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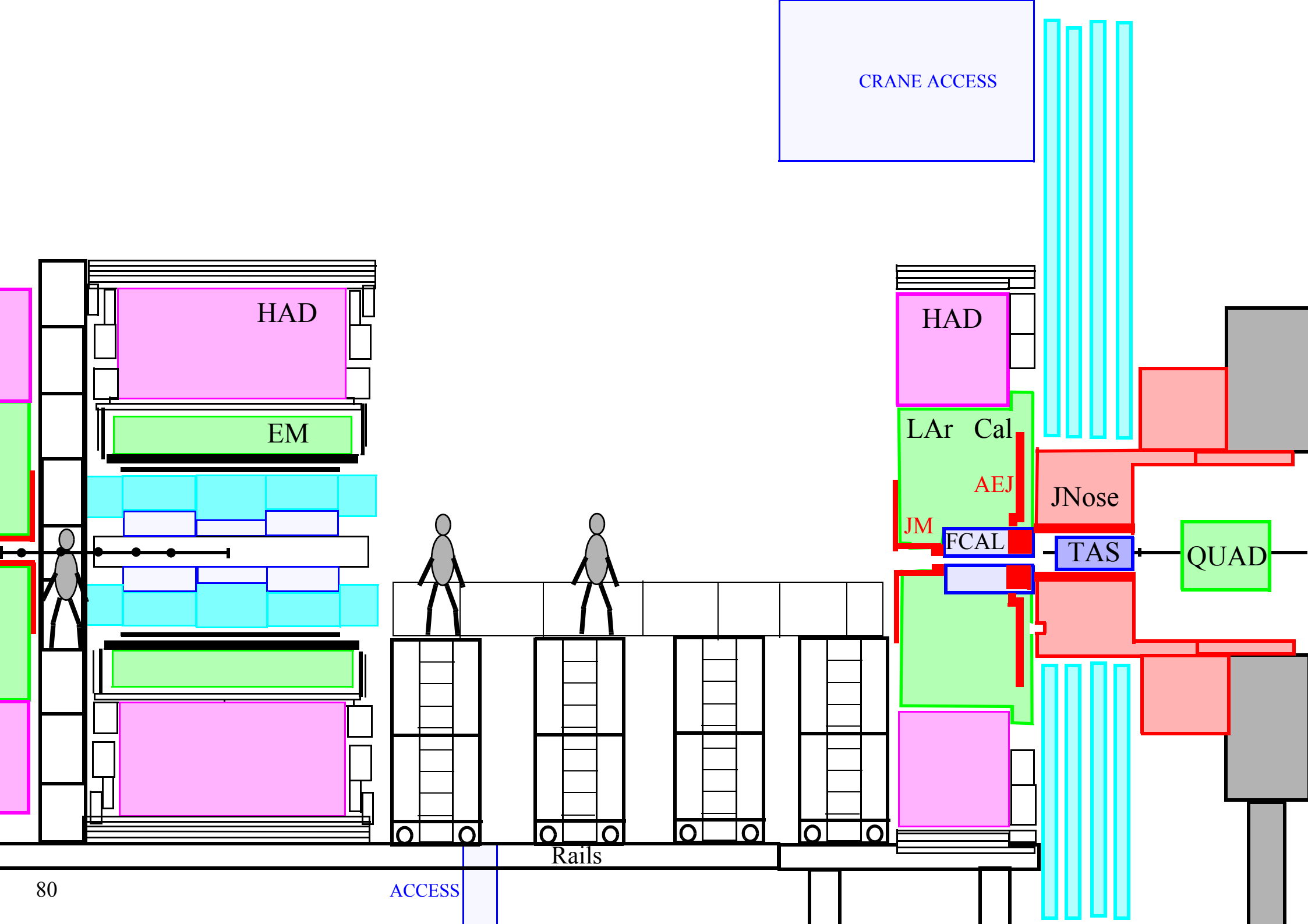
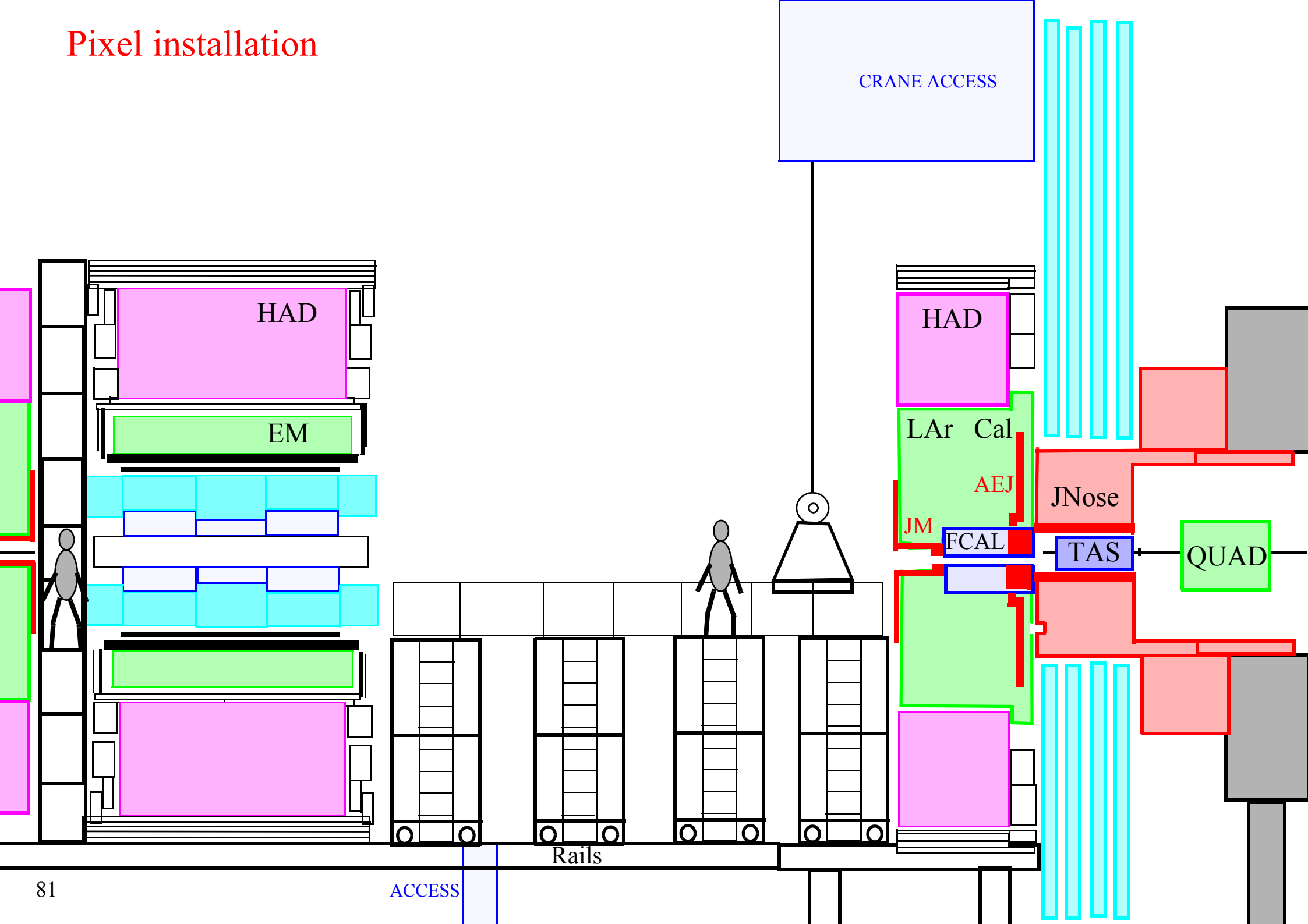
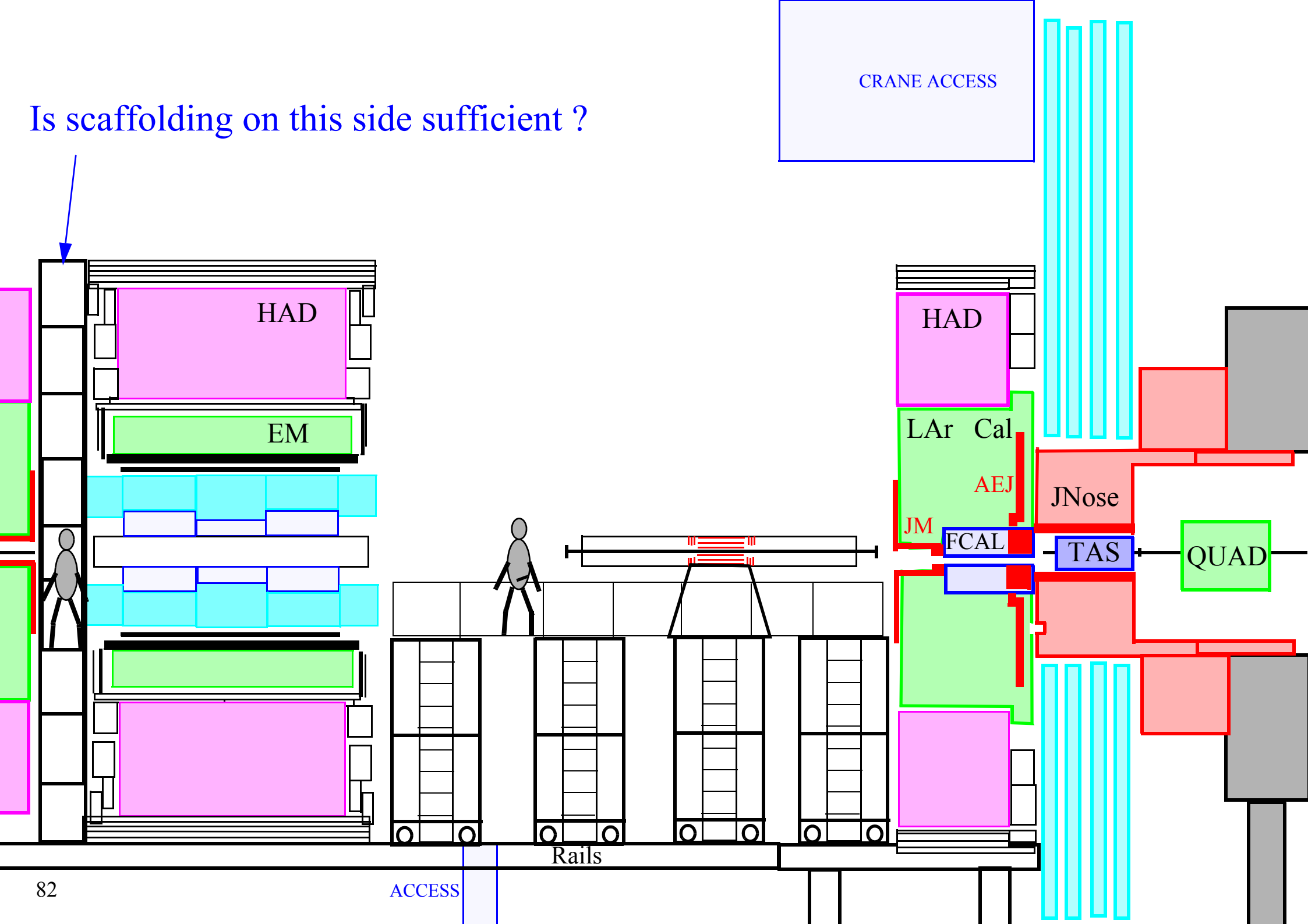
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

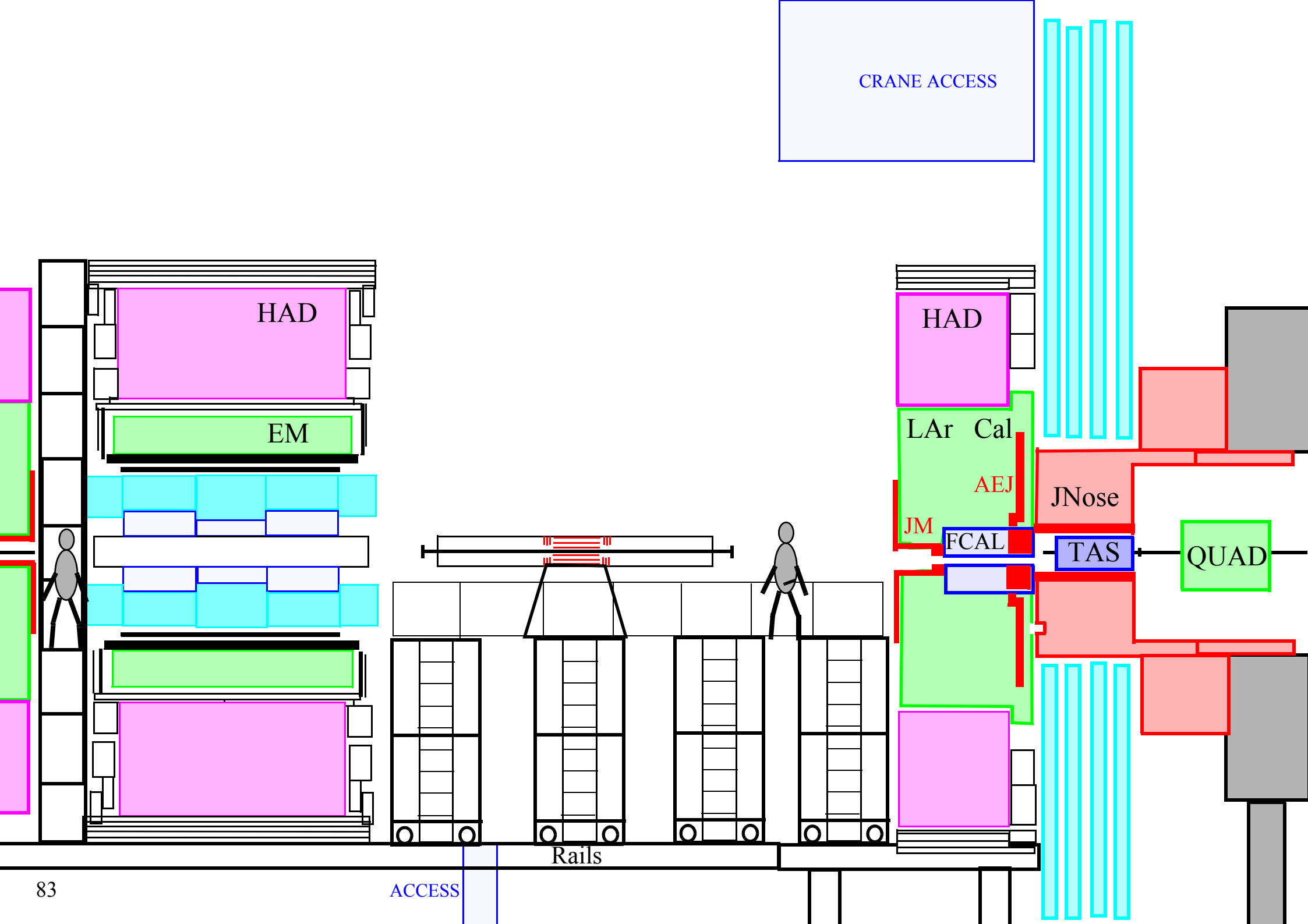

CRANE ACCESS
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

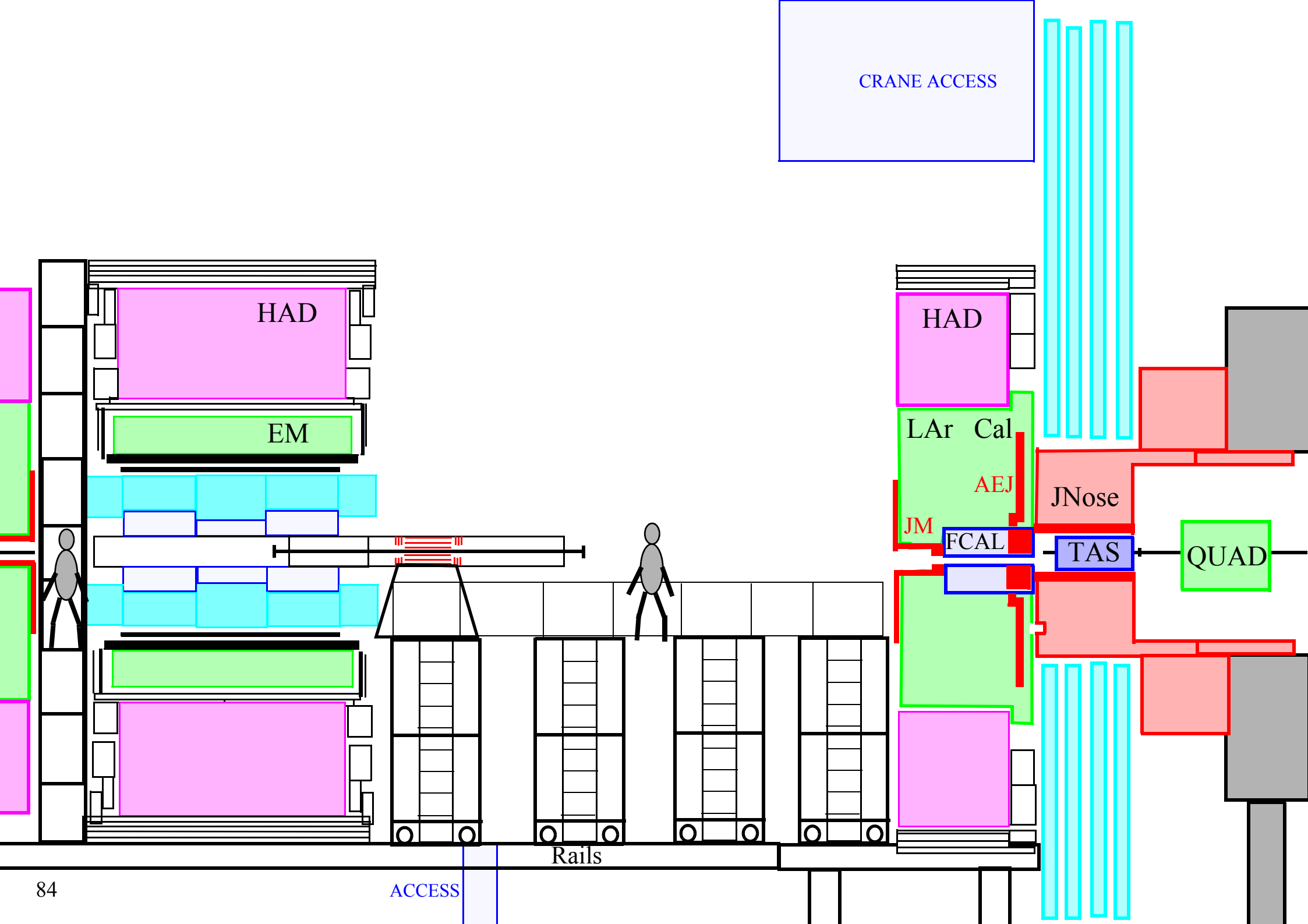
Pixel installation

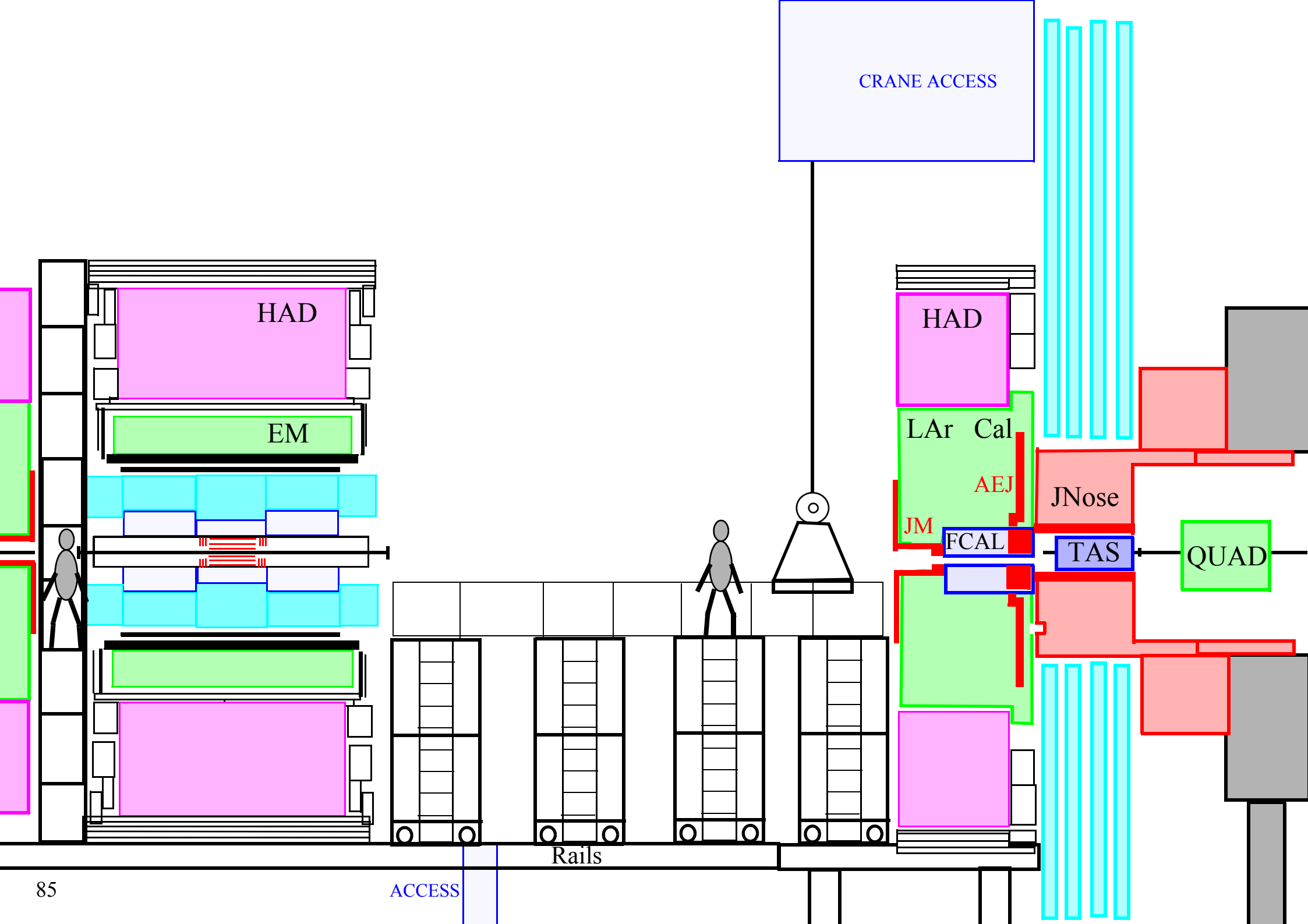


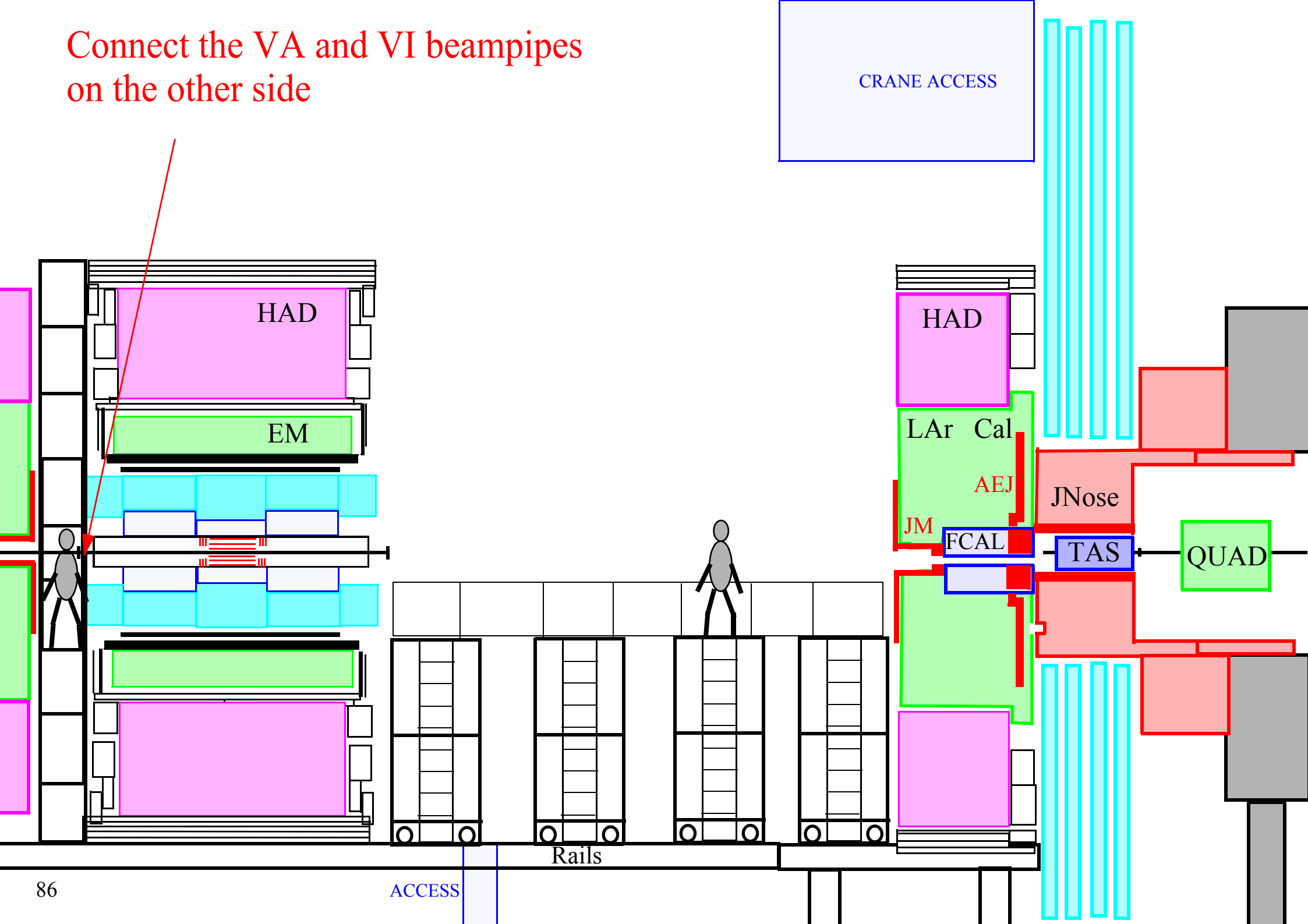
Is scaffolding on this side sufficient ?



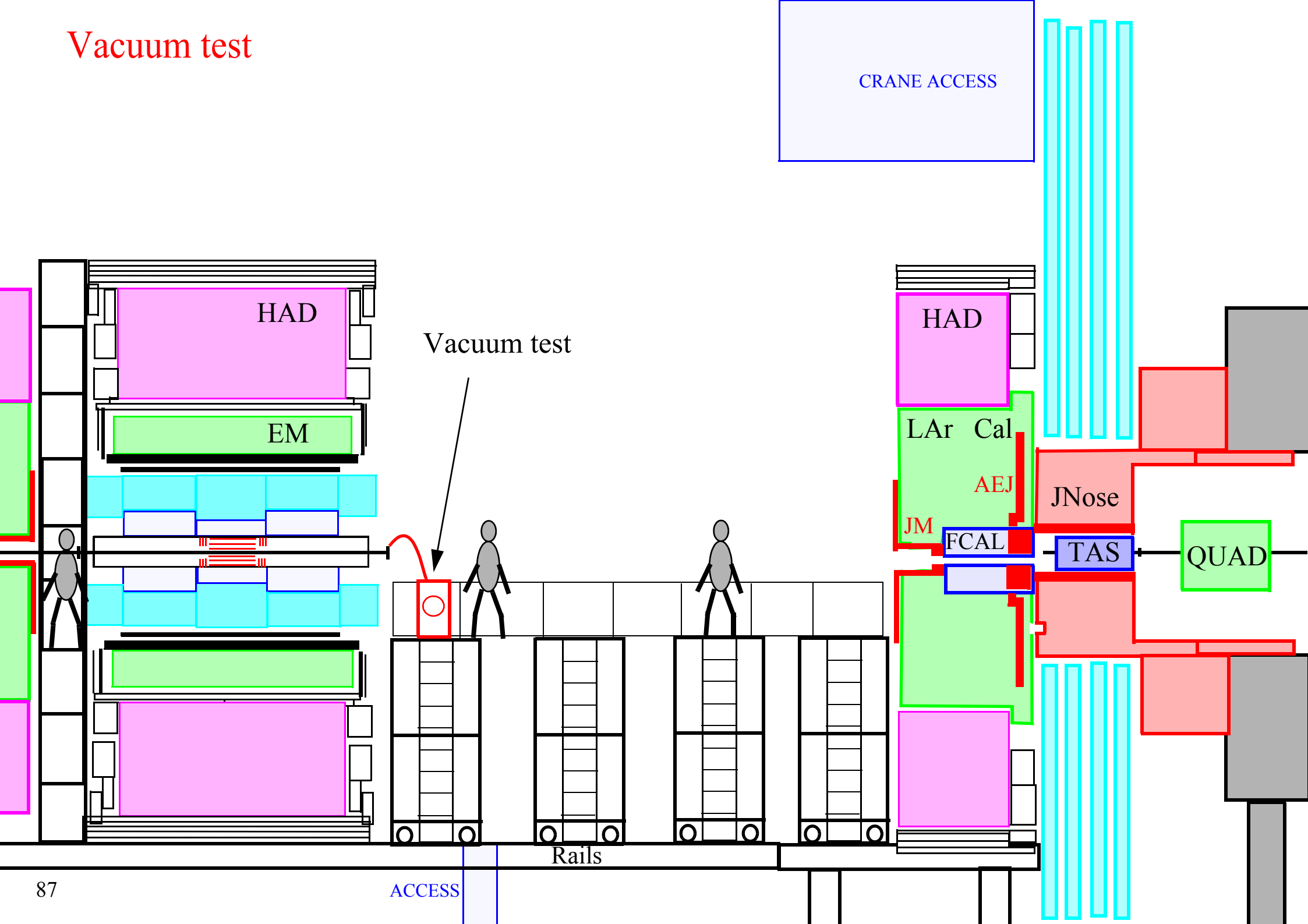

CRANE ACCESS
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS


CRANE ACCESS
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

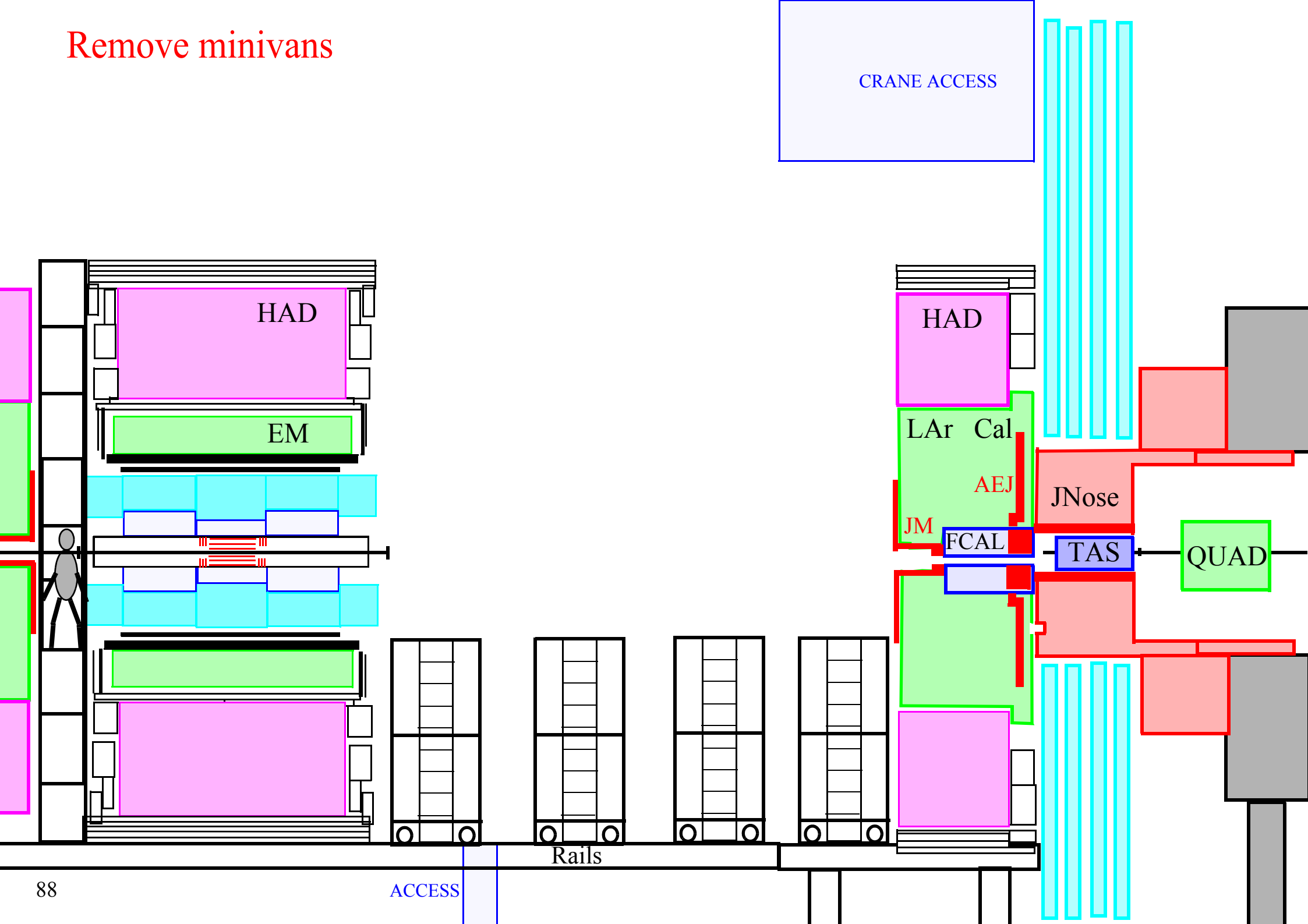

CRANE ACCESS
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

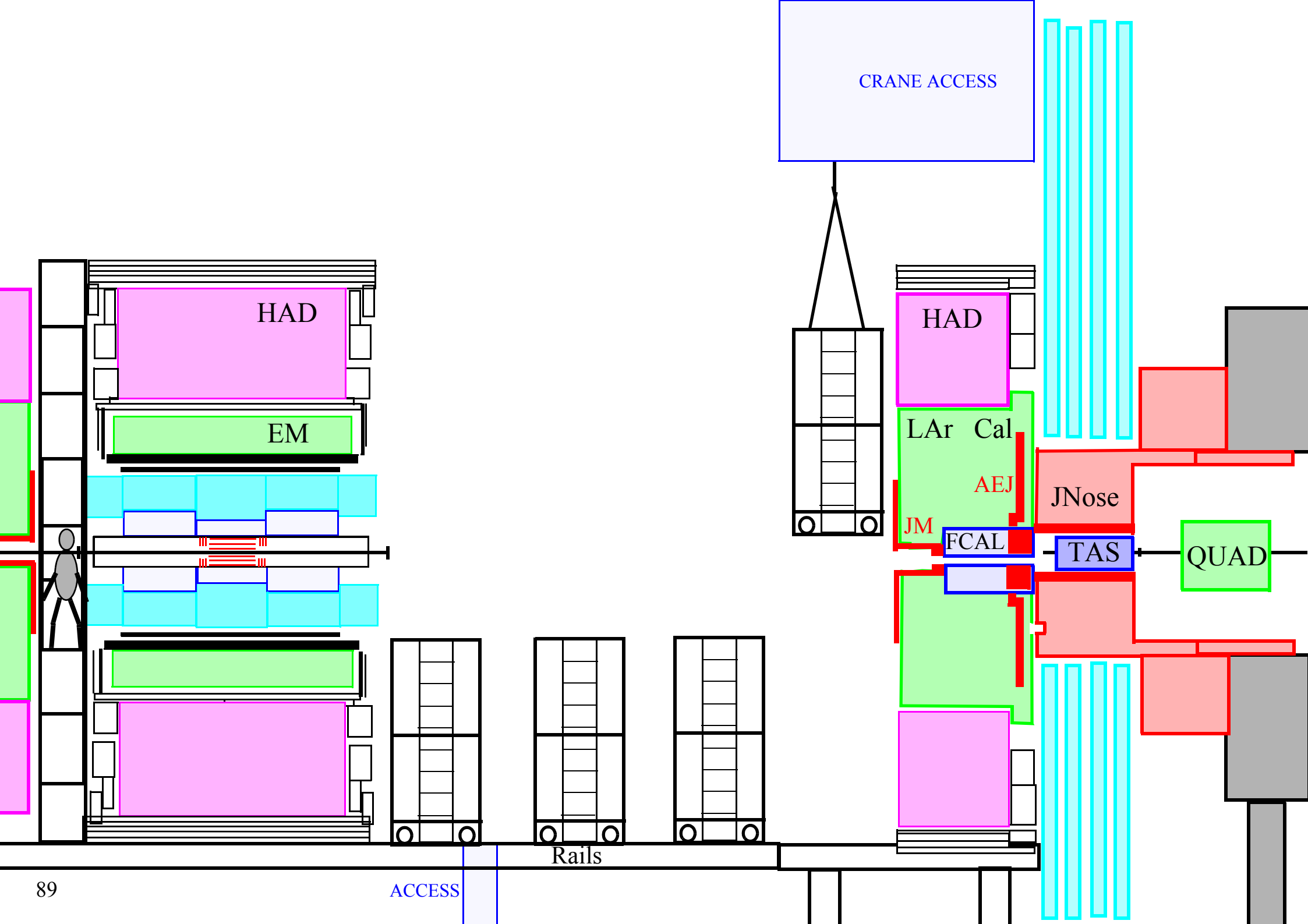

Connect the VA and VI beampipes
on the other side
CRANE ACCESS
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

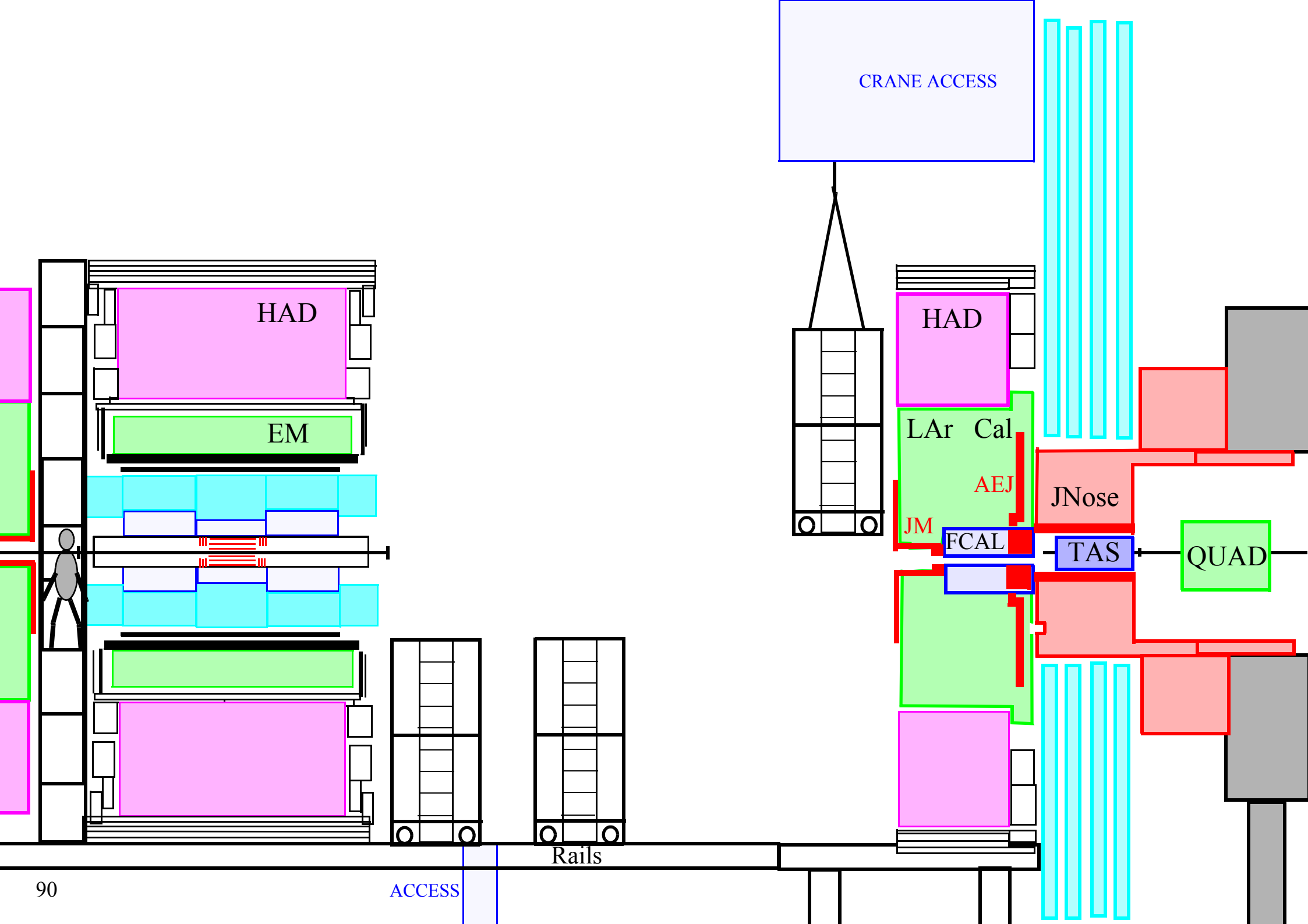
Vacuum test


CRANE ACCESS
HAD
EM
Vacuum test
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

Remove minivans




CRANE ACCESS
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS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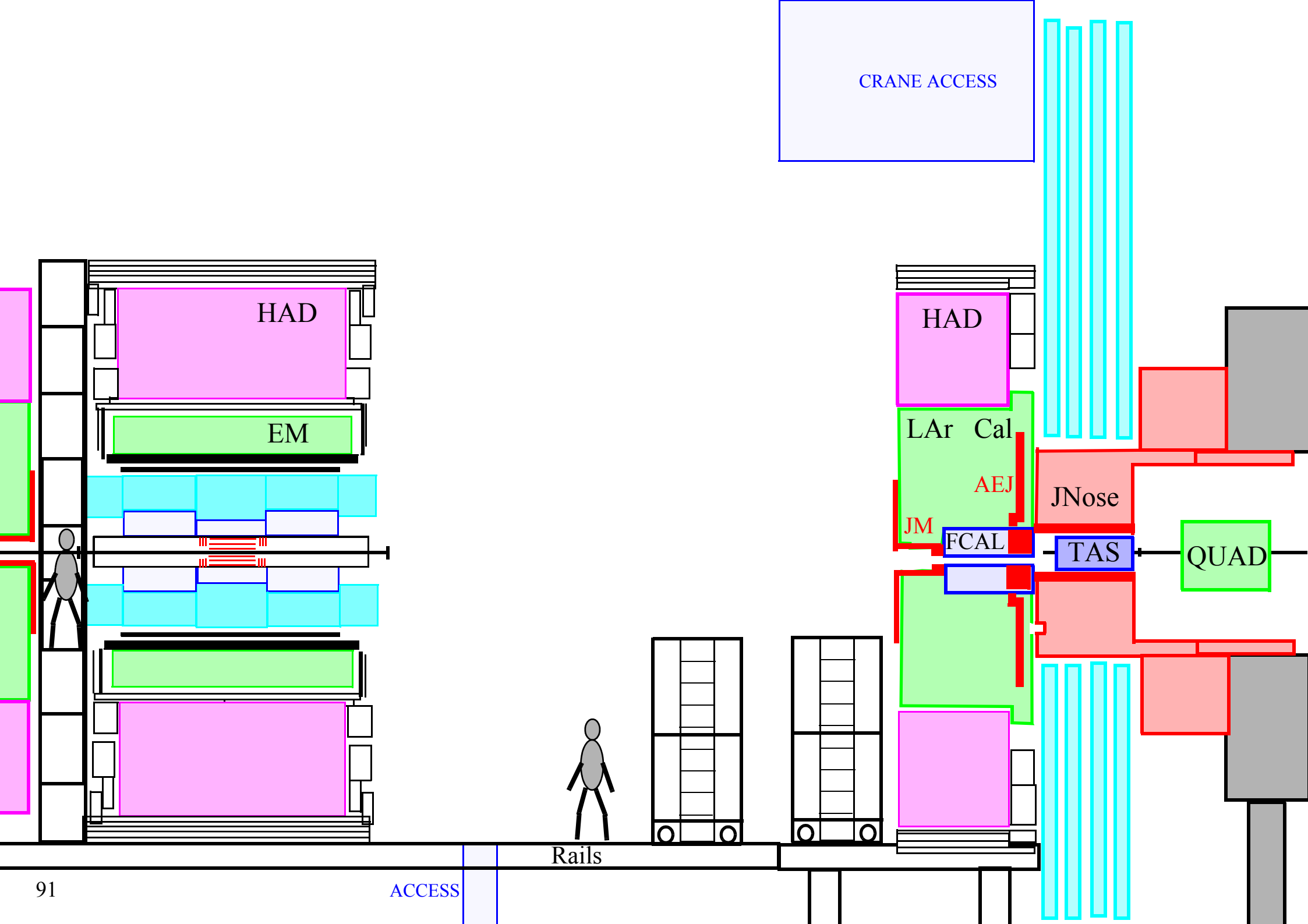
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS


CRANE ACCESS
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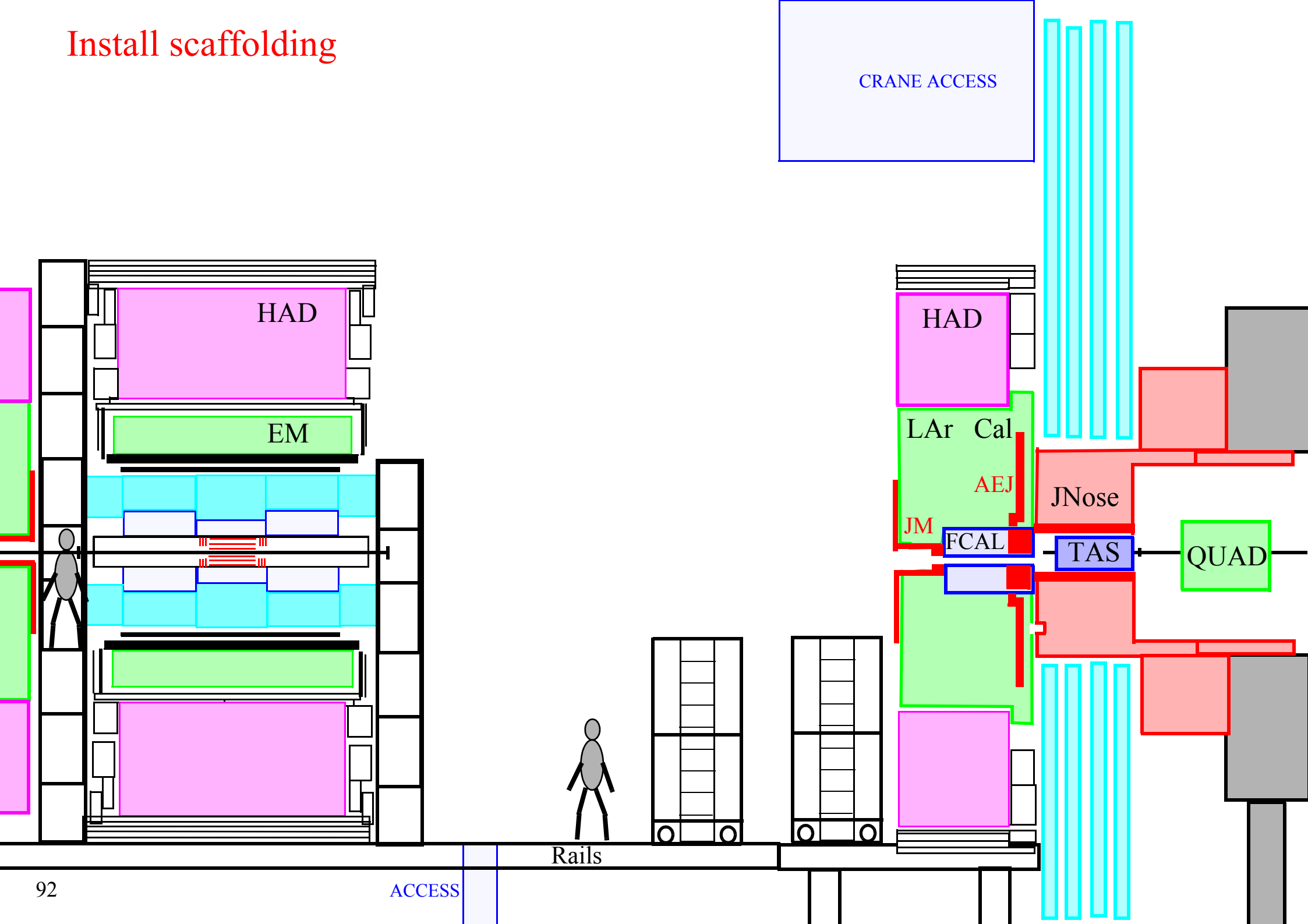
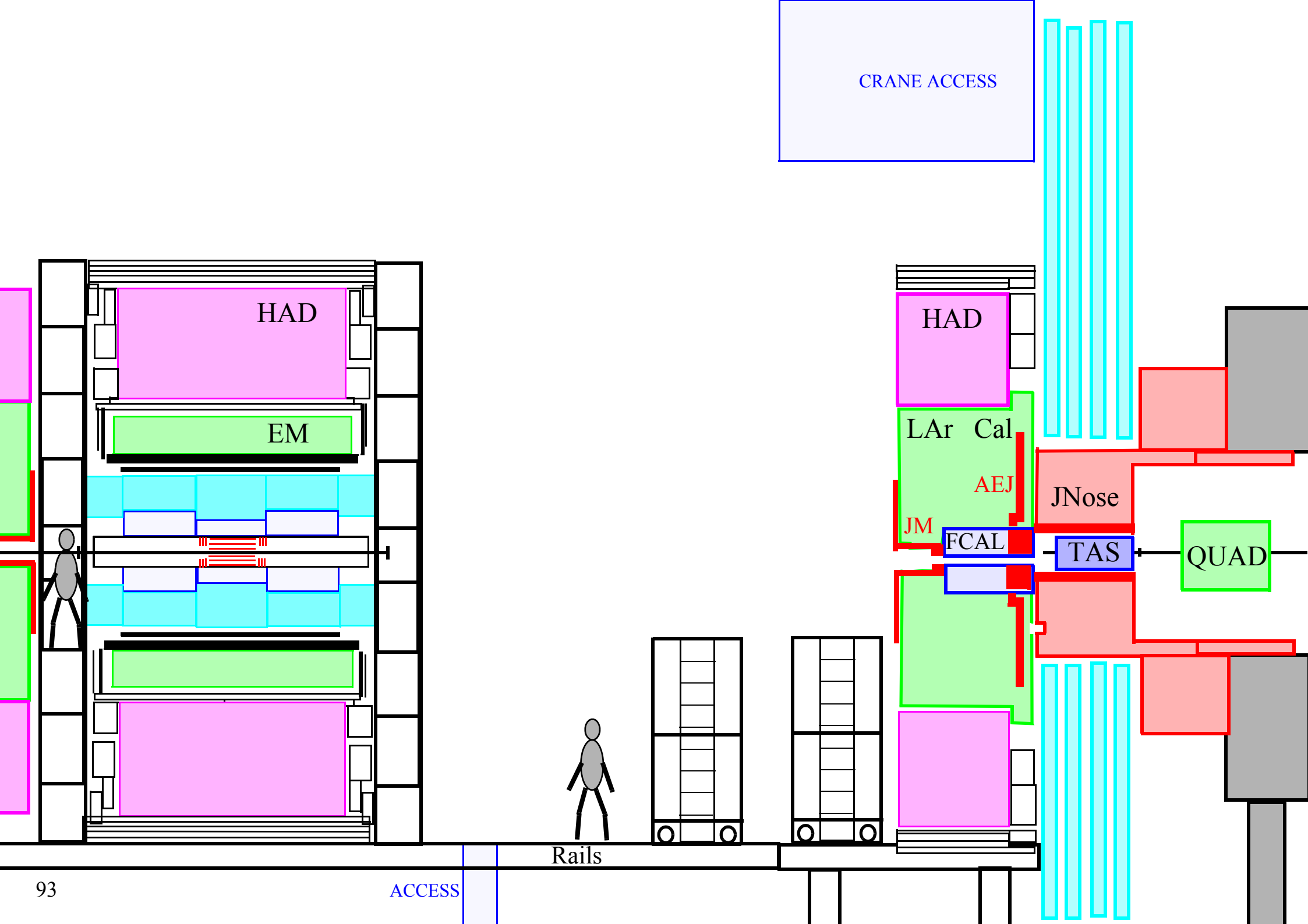
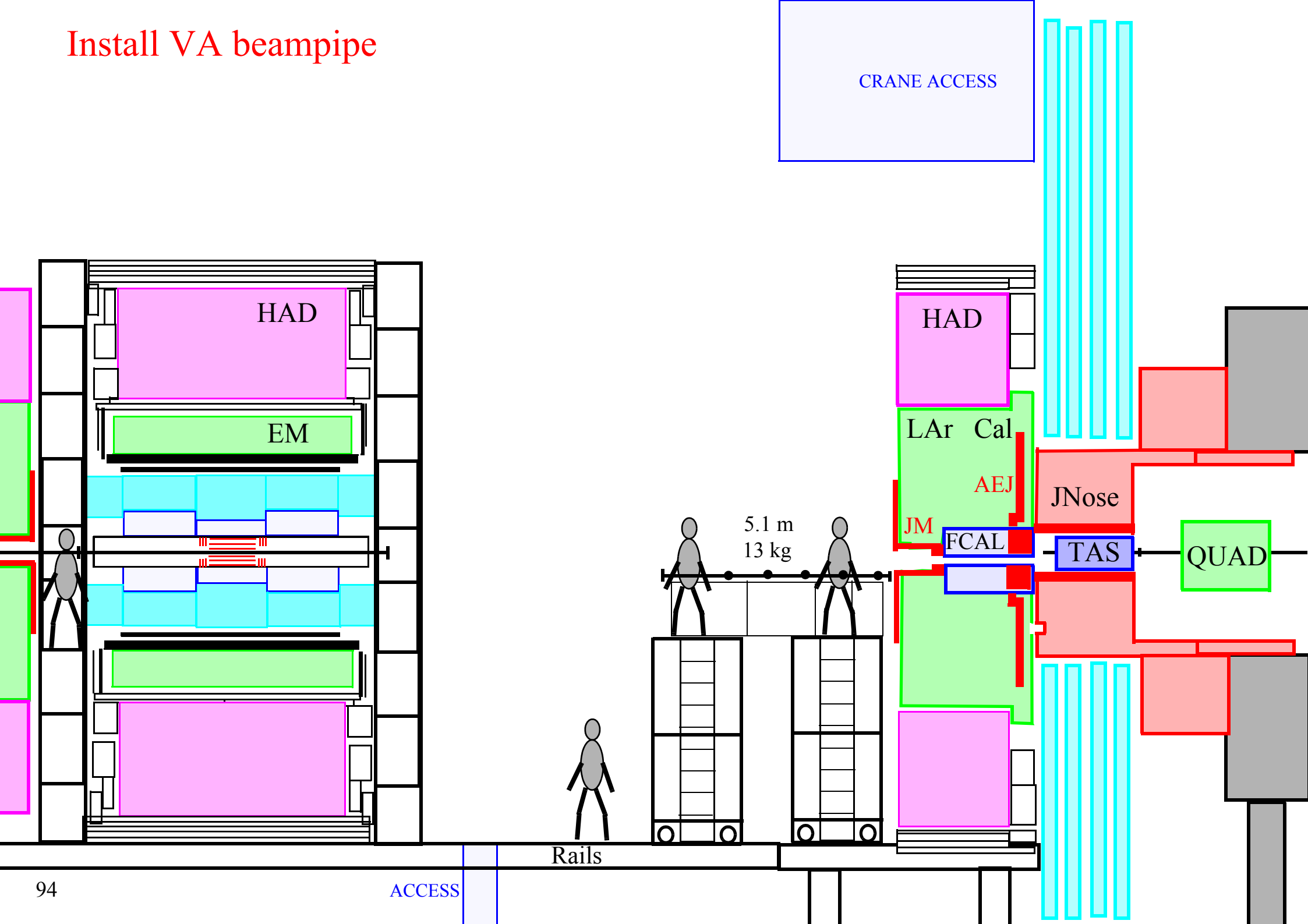
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

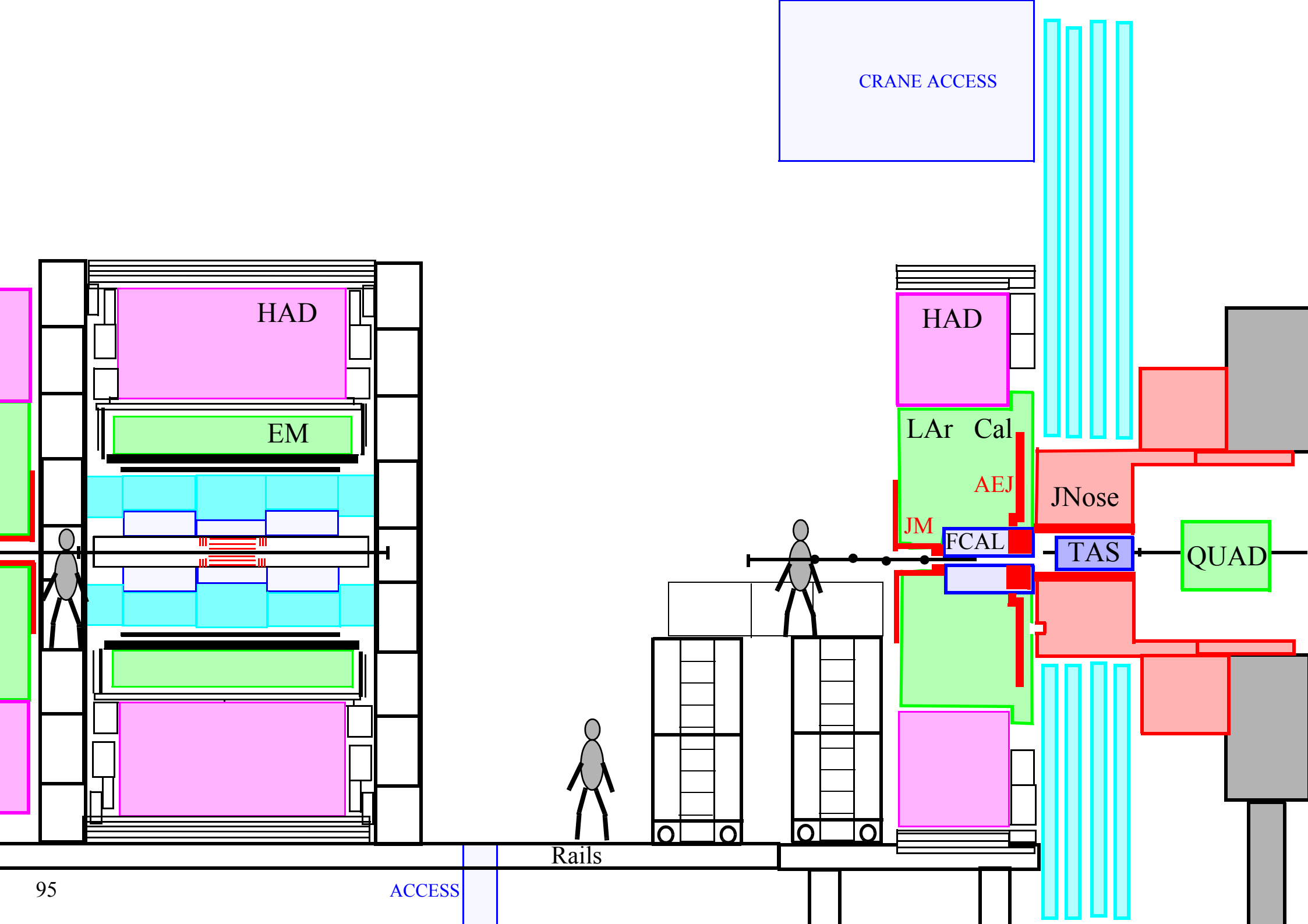
Install scaffolding

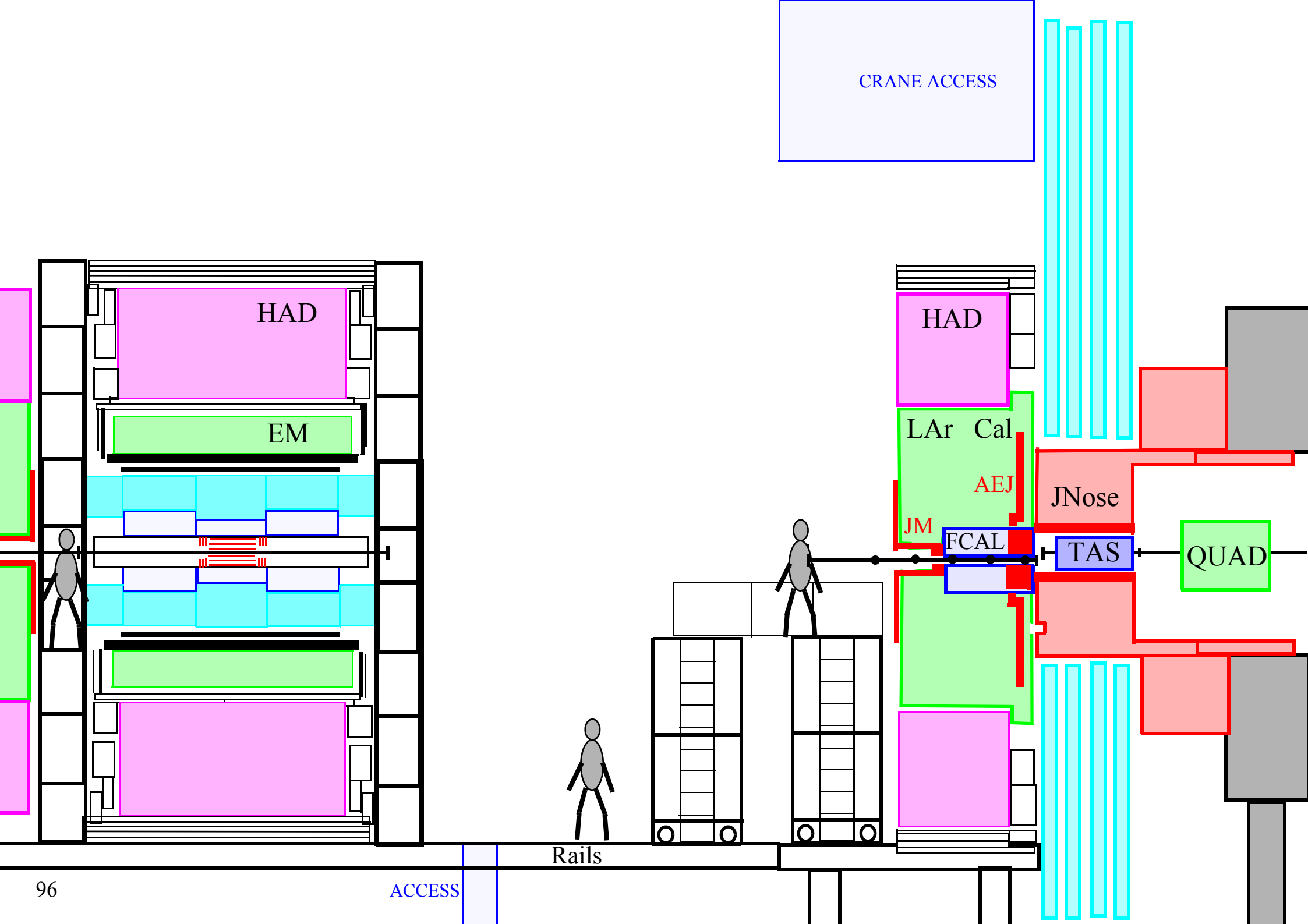



CRANE ACCESS
HAD
EM
HAD
LAr Cal
AEJ
JNose
JM
FCAL
TAS
QUAD
Rails
ACCESS

Install VA beampipe




CRANE ACCESS
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS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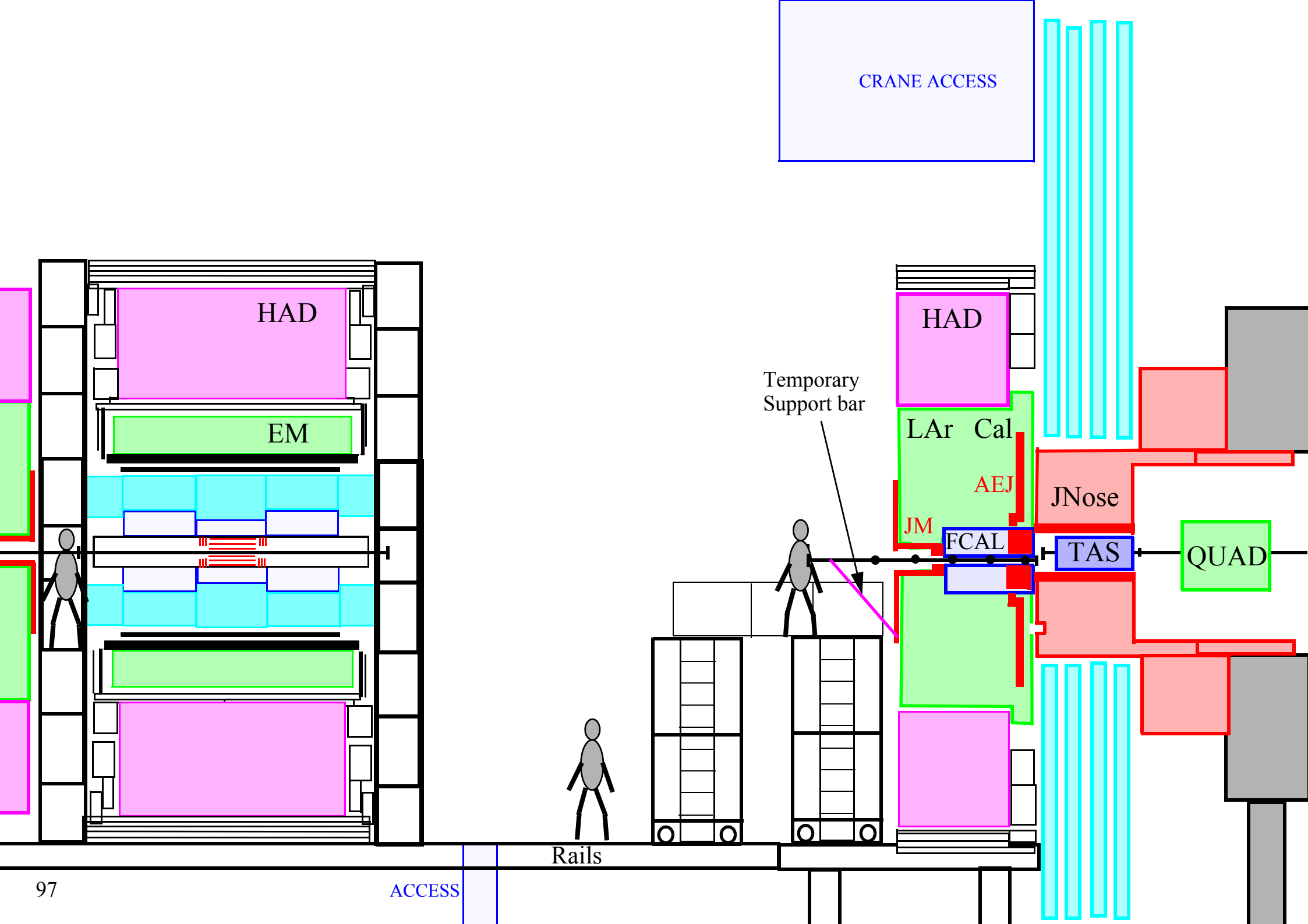
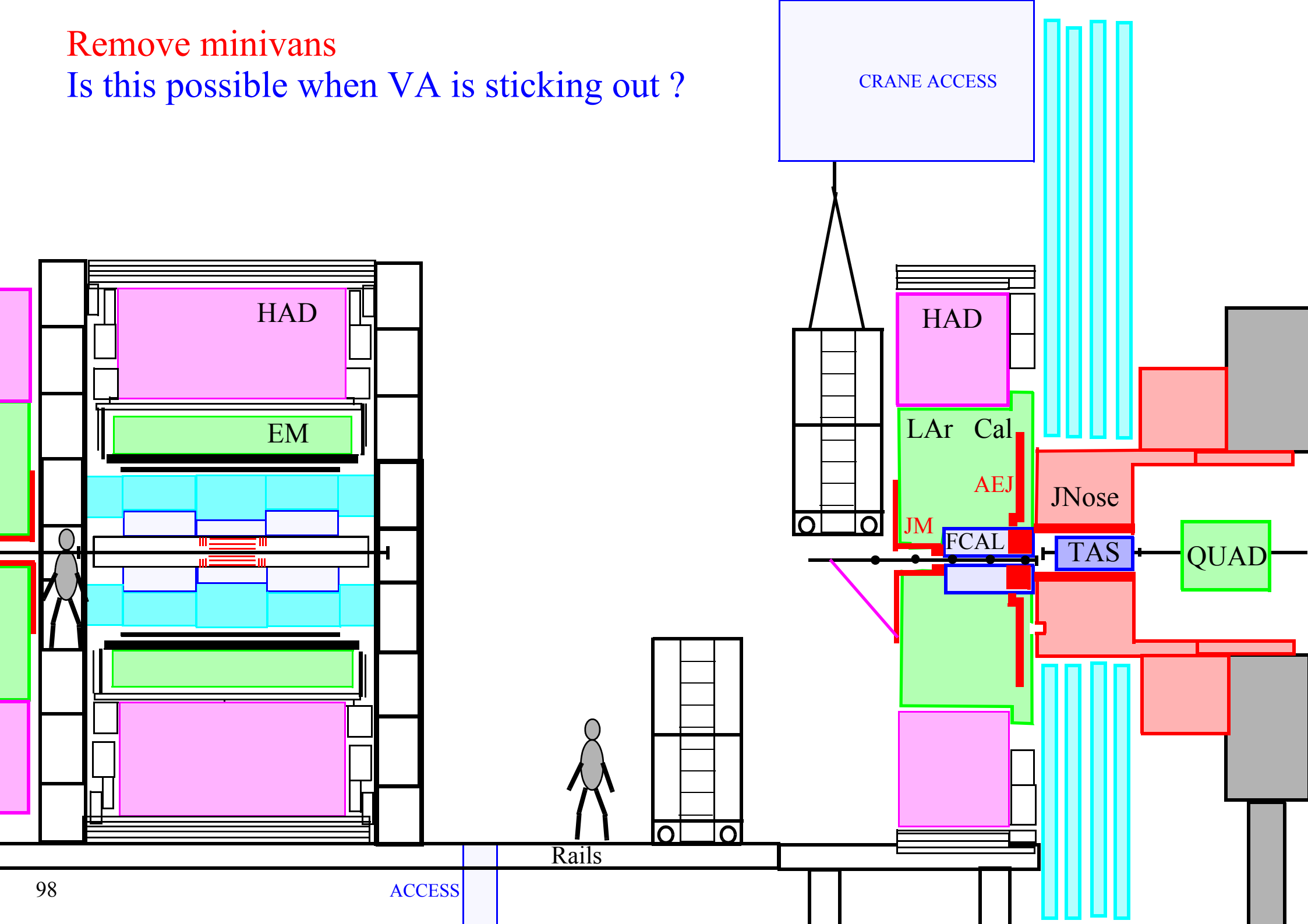
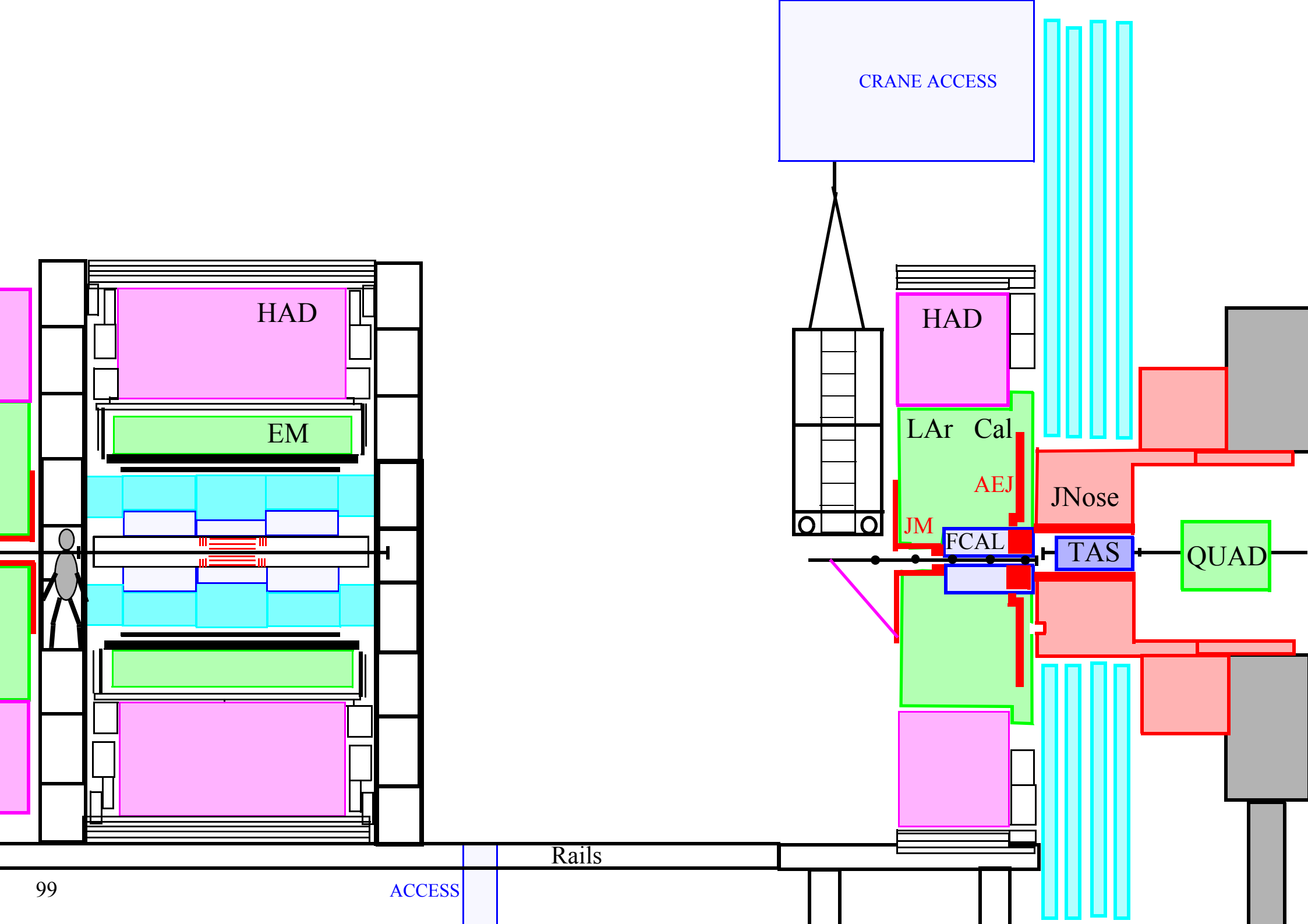
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS


CRANE ACCESS
HAD
EM
HAD
Temporary
Support bar
LAr Cal
AEJ
JNose
JM
FCAL
TAS
QUAD
Rails
ACCESS

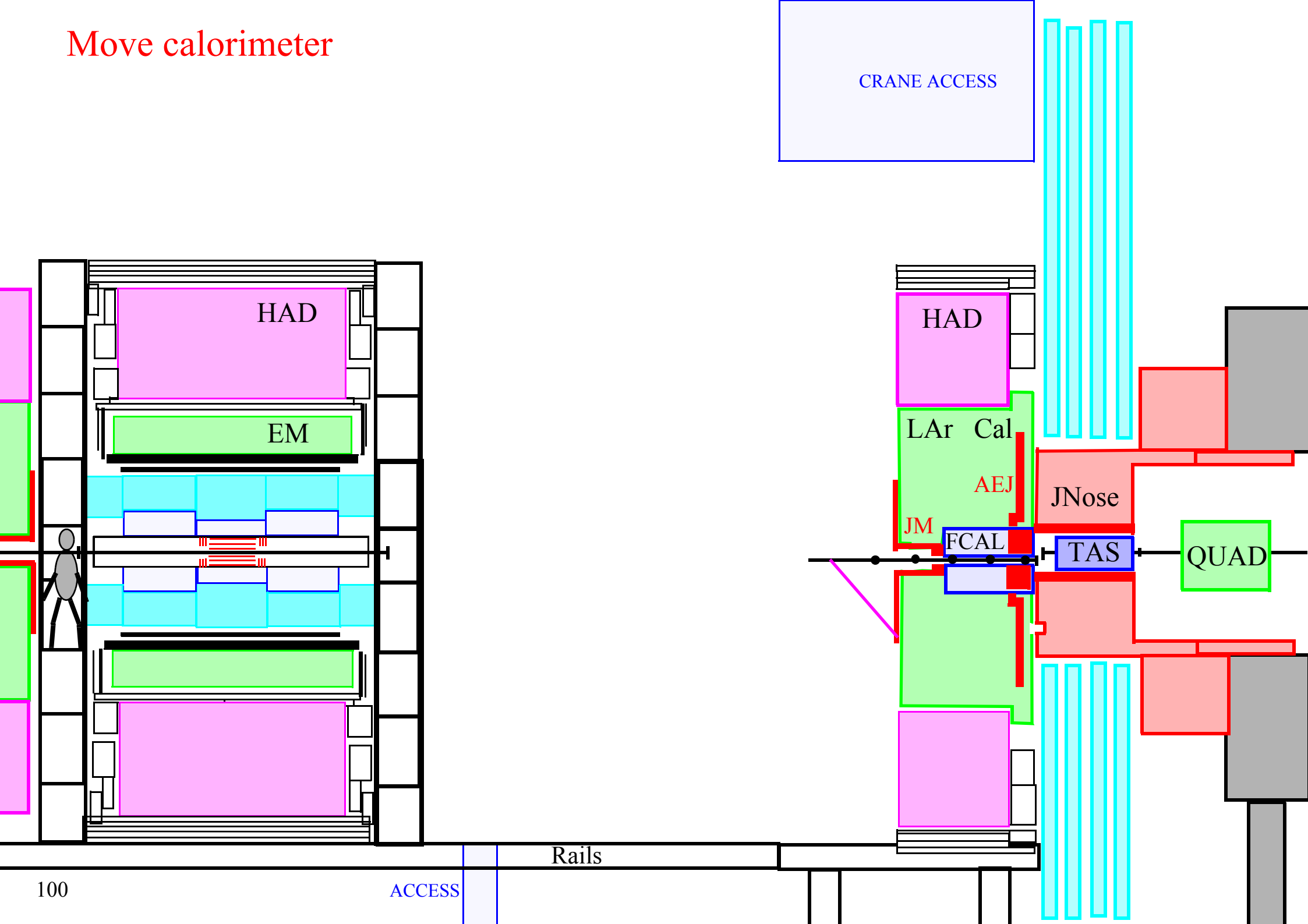
Remove minivans

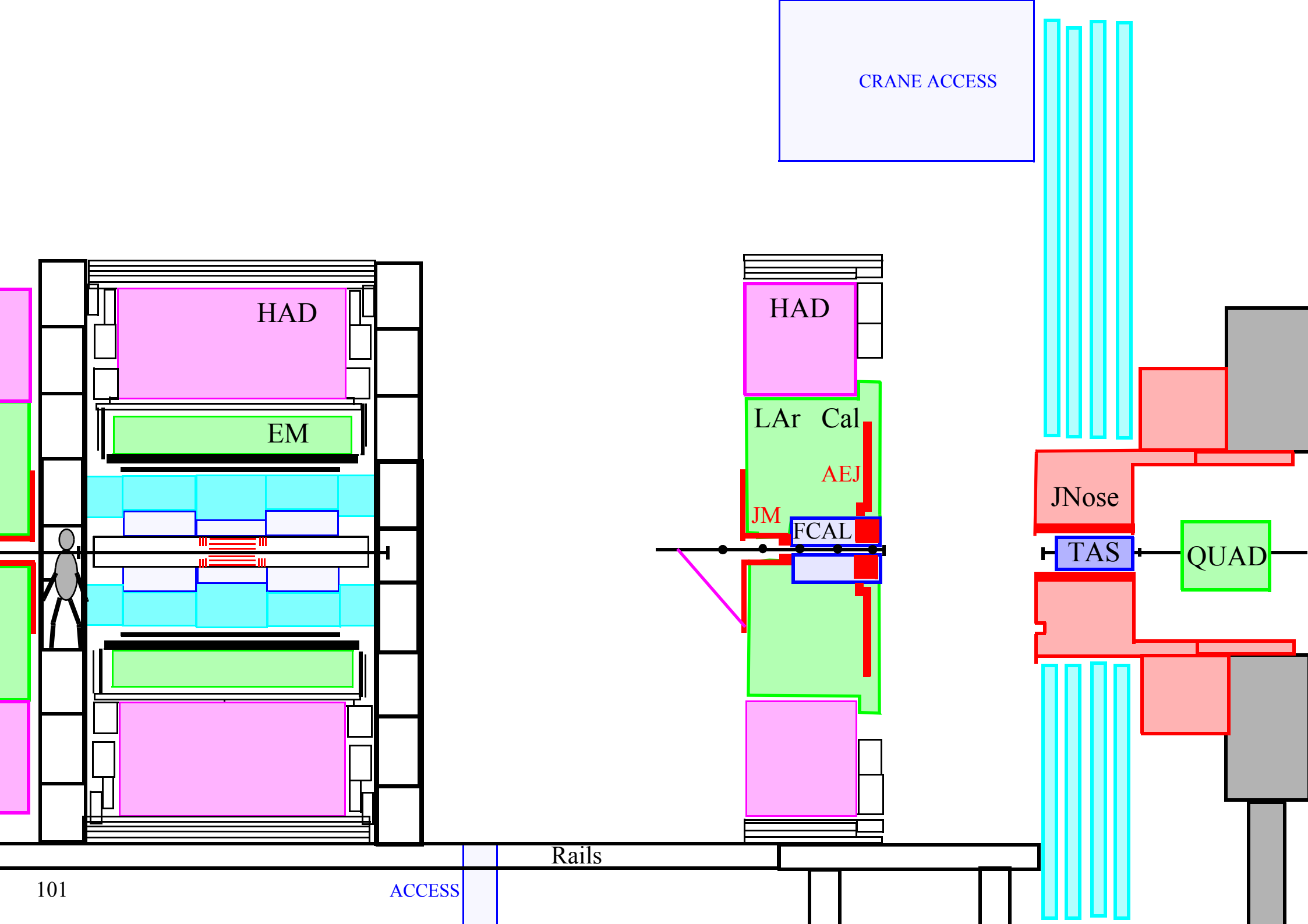
Is this possible when VA is sticking out ?

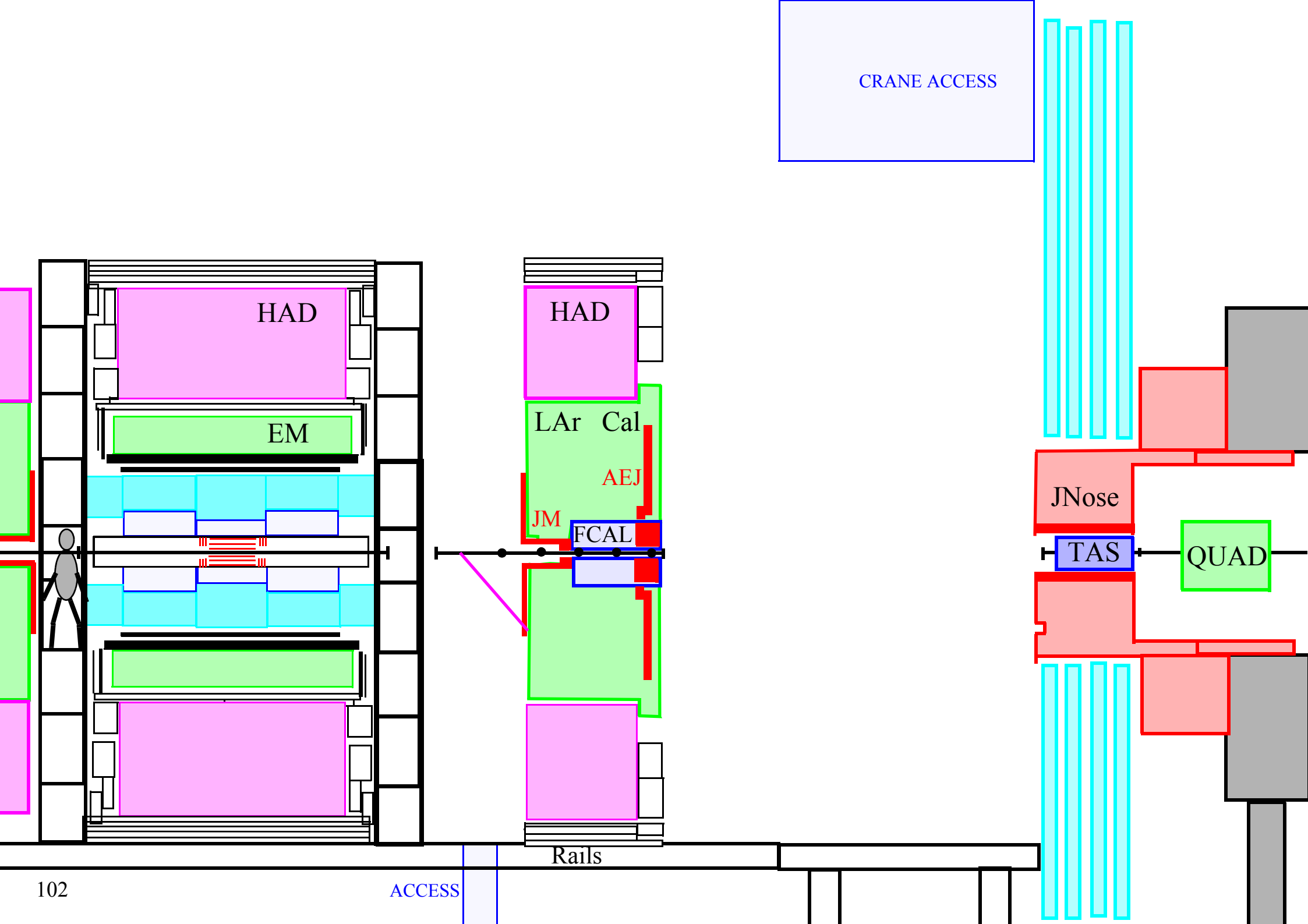



CRANE ACCESS
HAD
EM
HAD
LAr Cal
AEJ
JNose
JM
FCAL
TAS
QUAD
Rails
ACCESS

Move calorimeter




CRANE ACCESS
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS


CRANE ACCESS
HAD
EM
HAD
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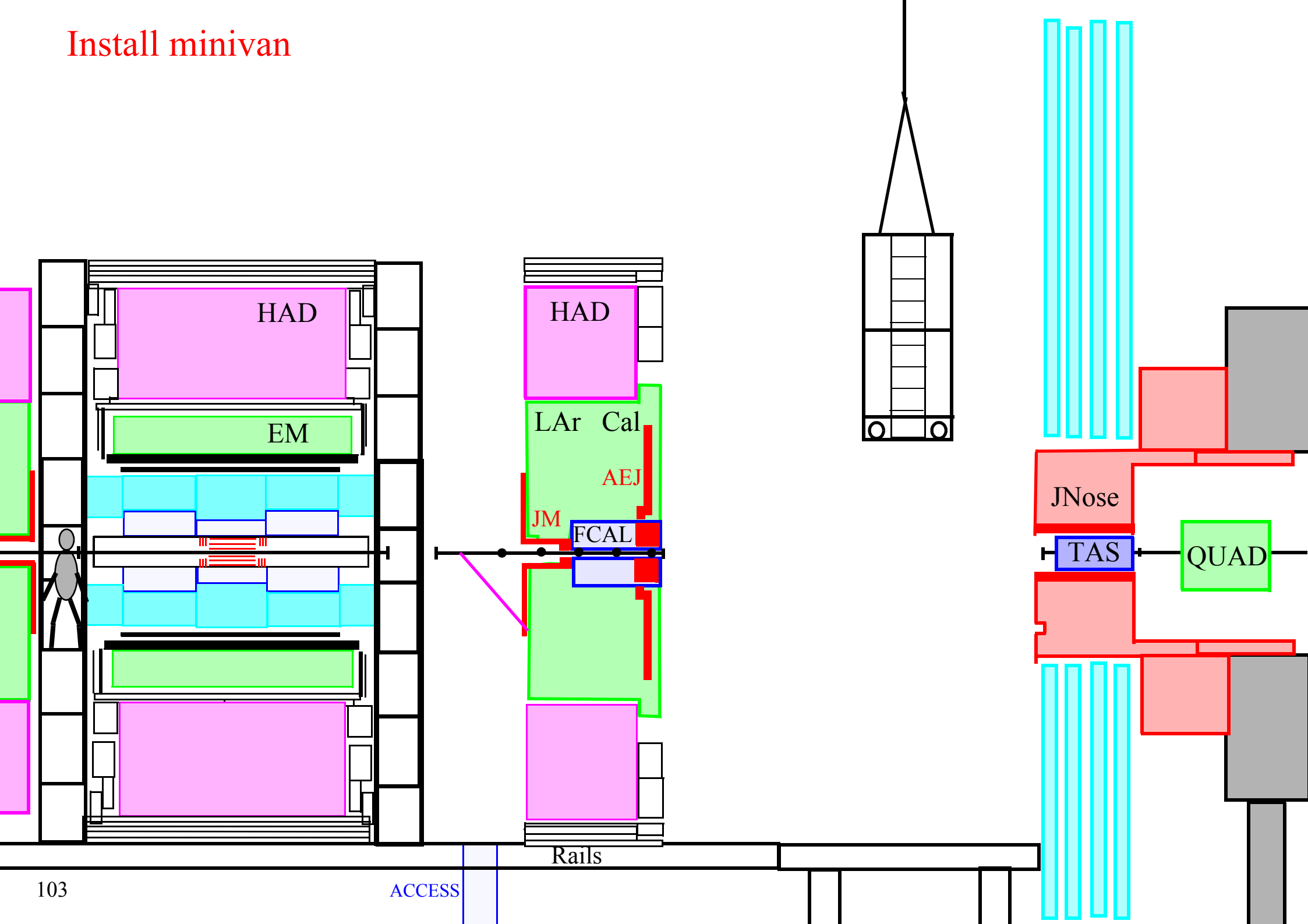
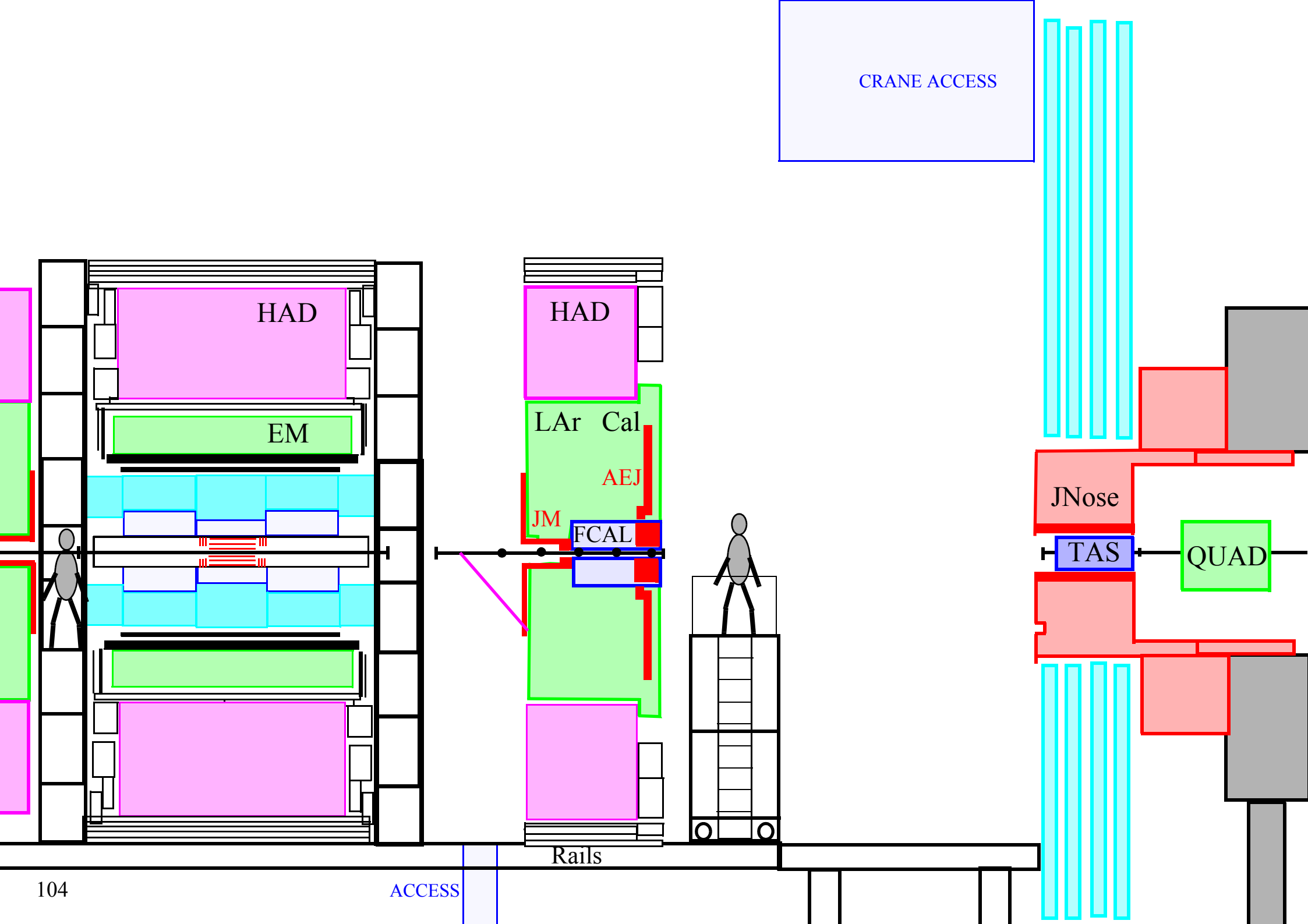
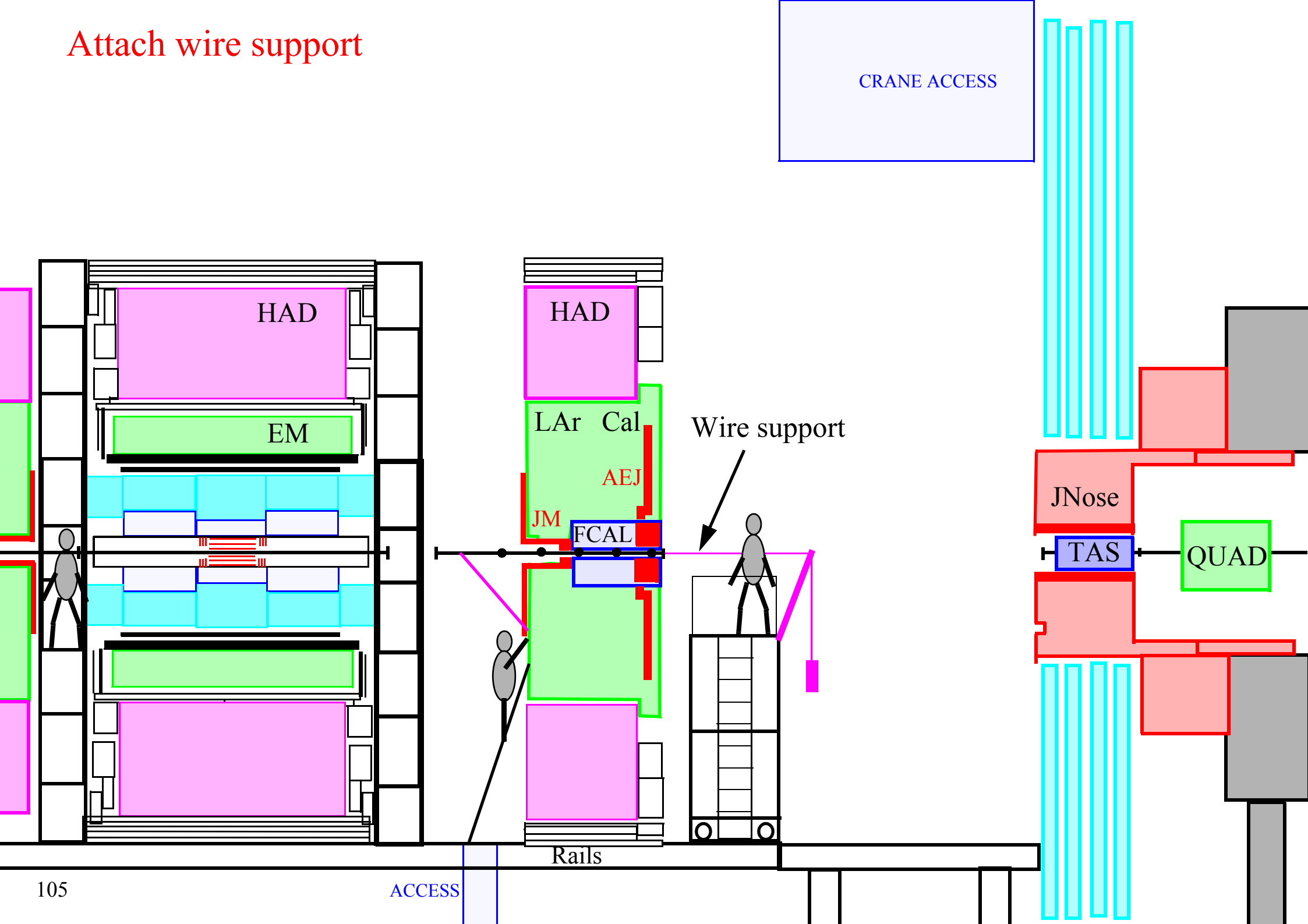
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

Install minivan

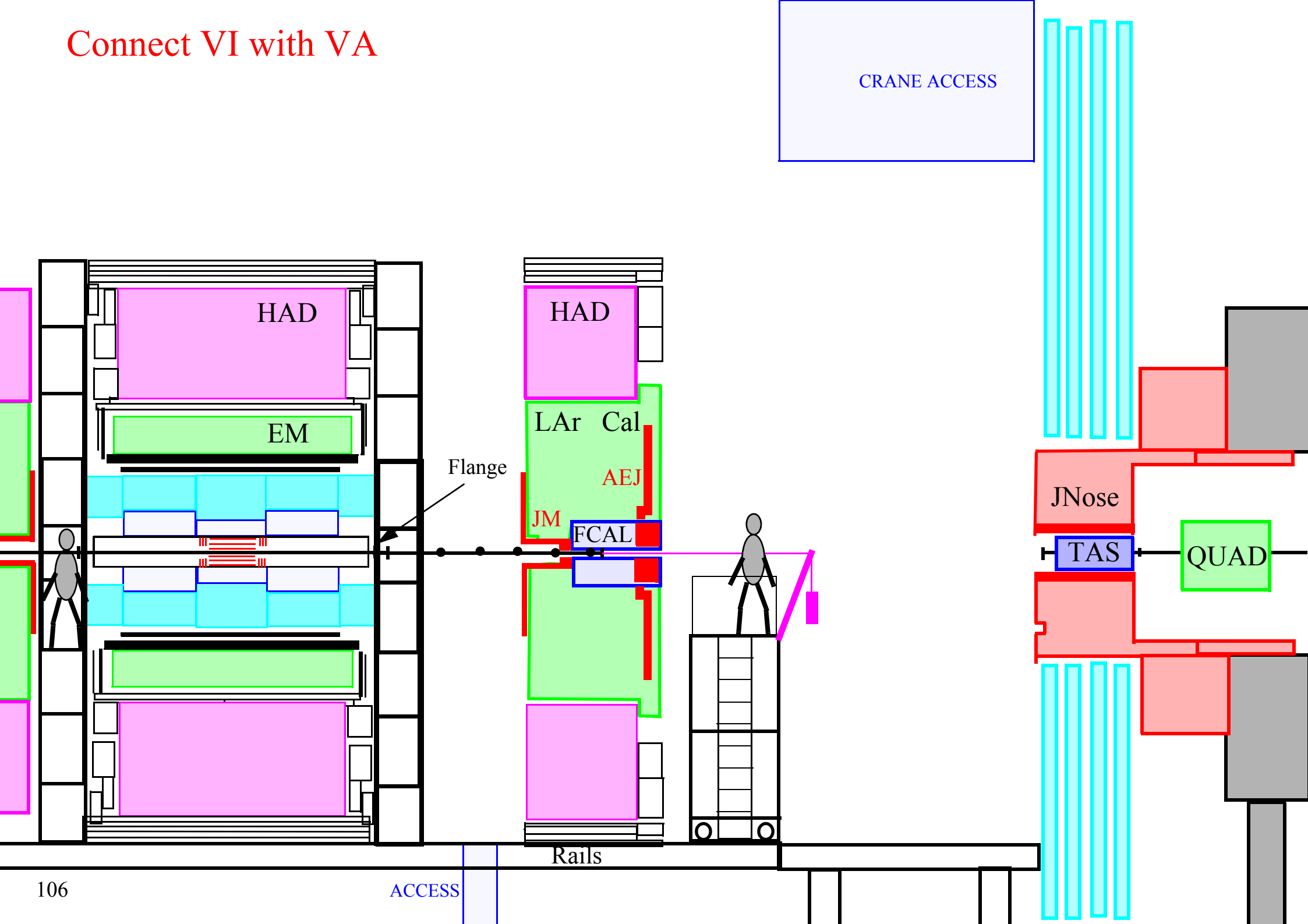



CRANE ACCESS
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

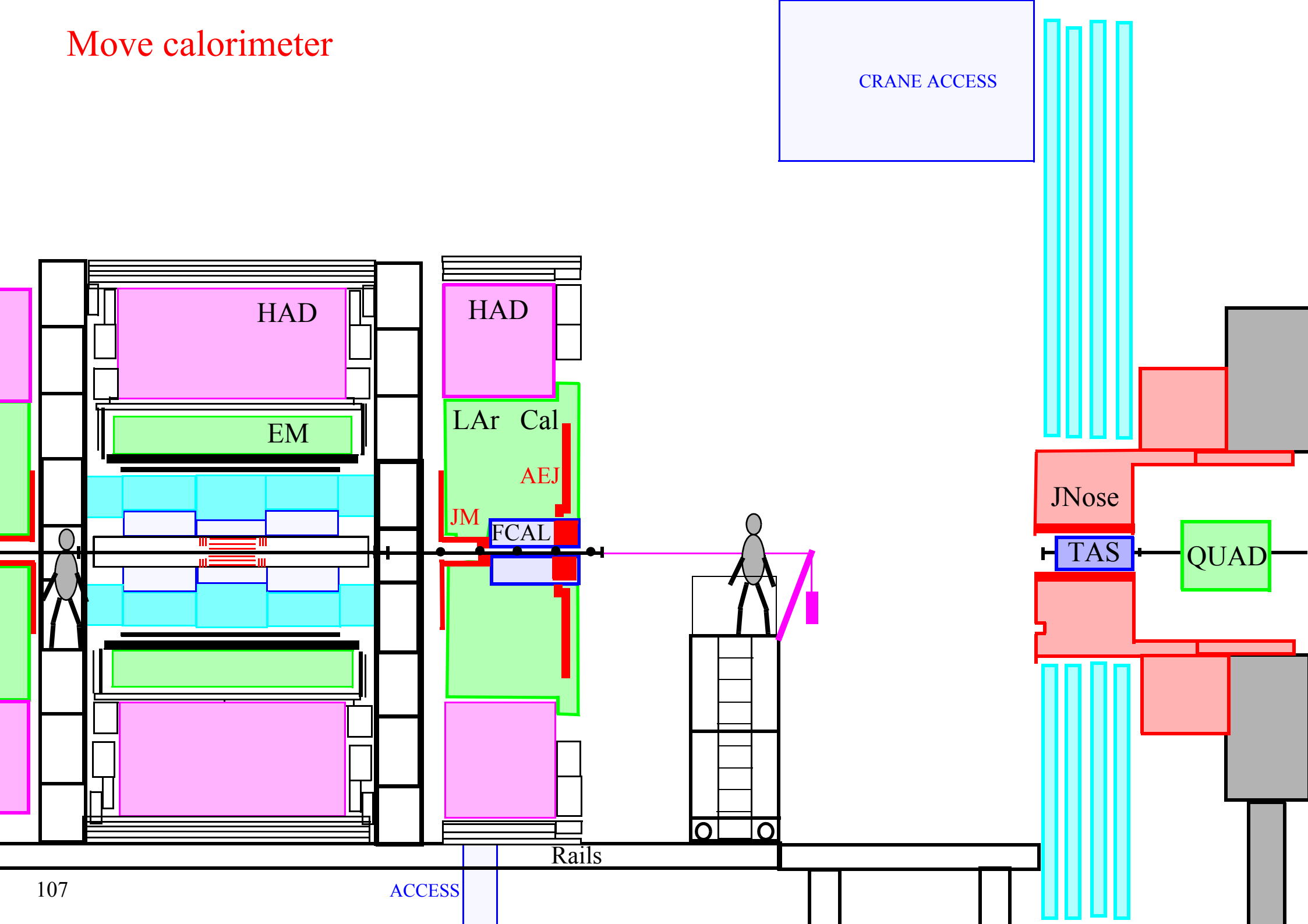
Attach wire support



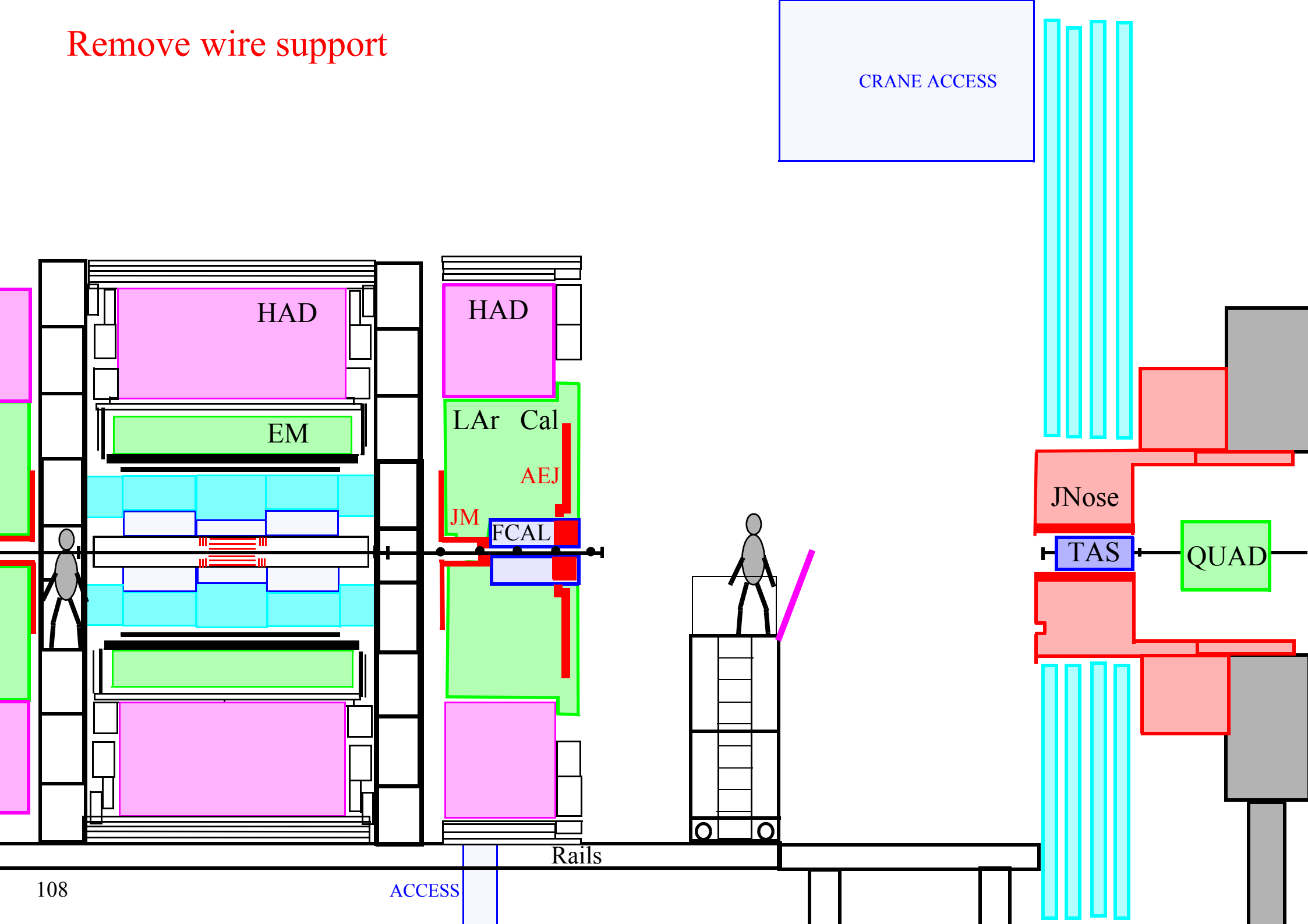
Connect VI with VA



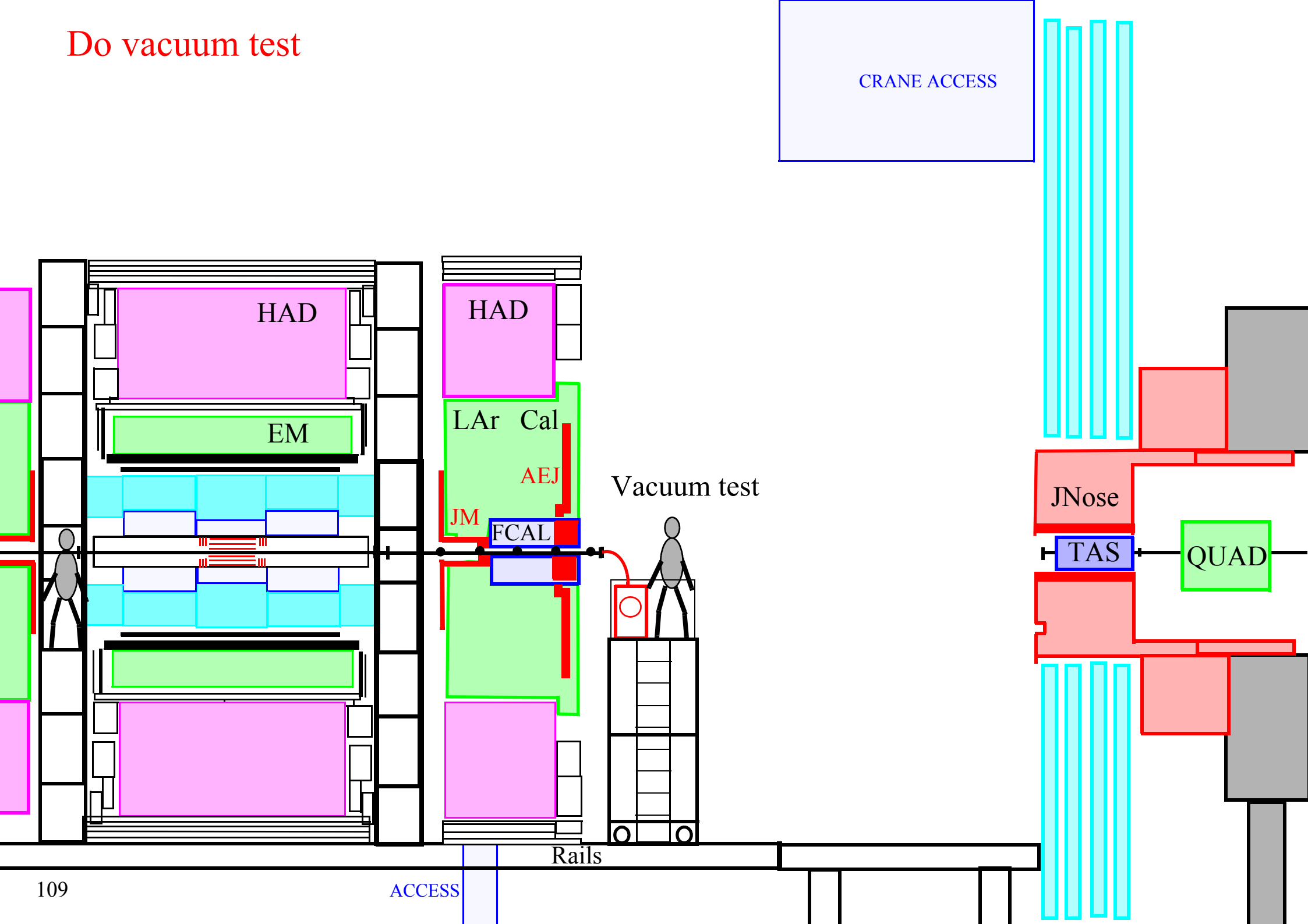
Move calorimeter



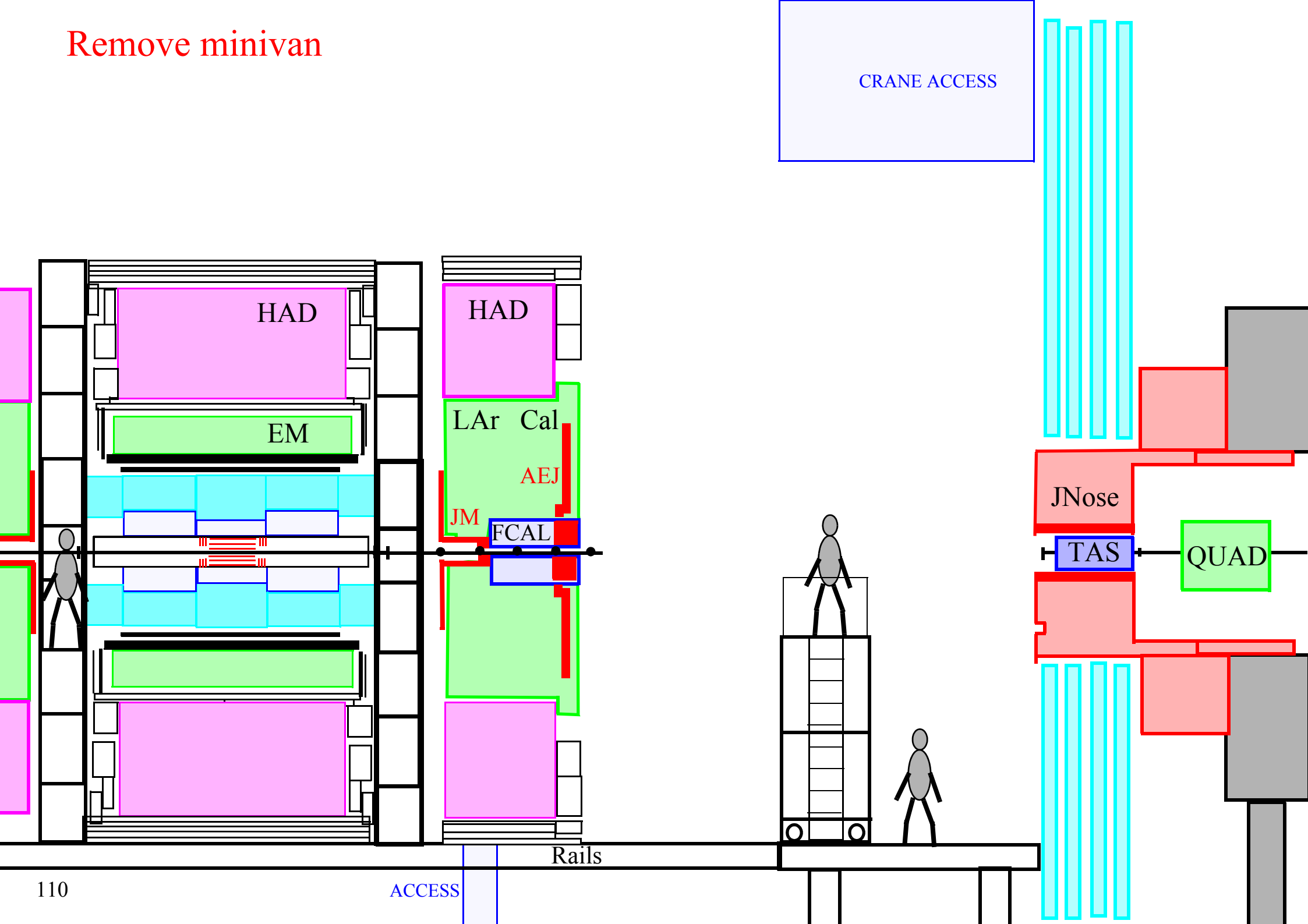
Remove wire support

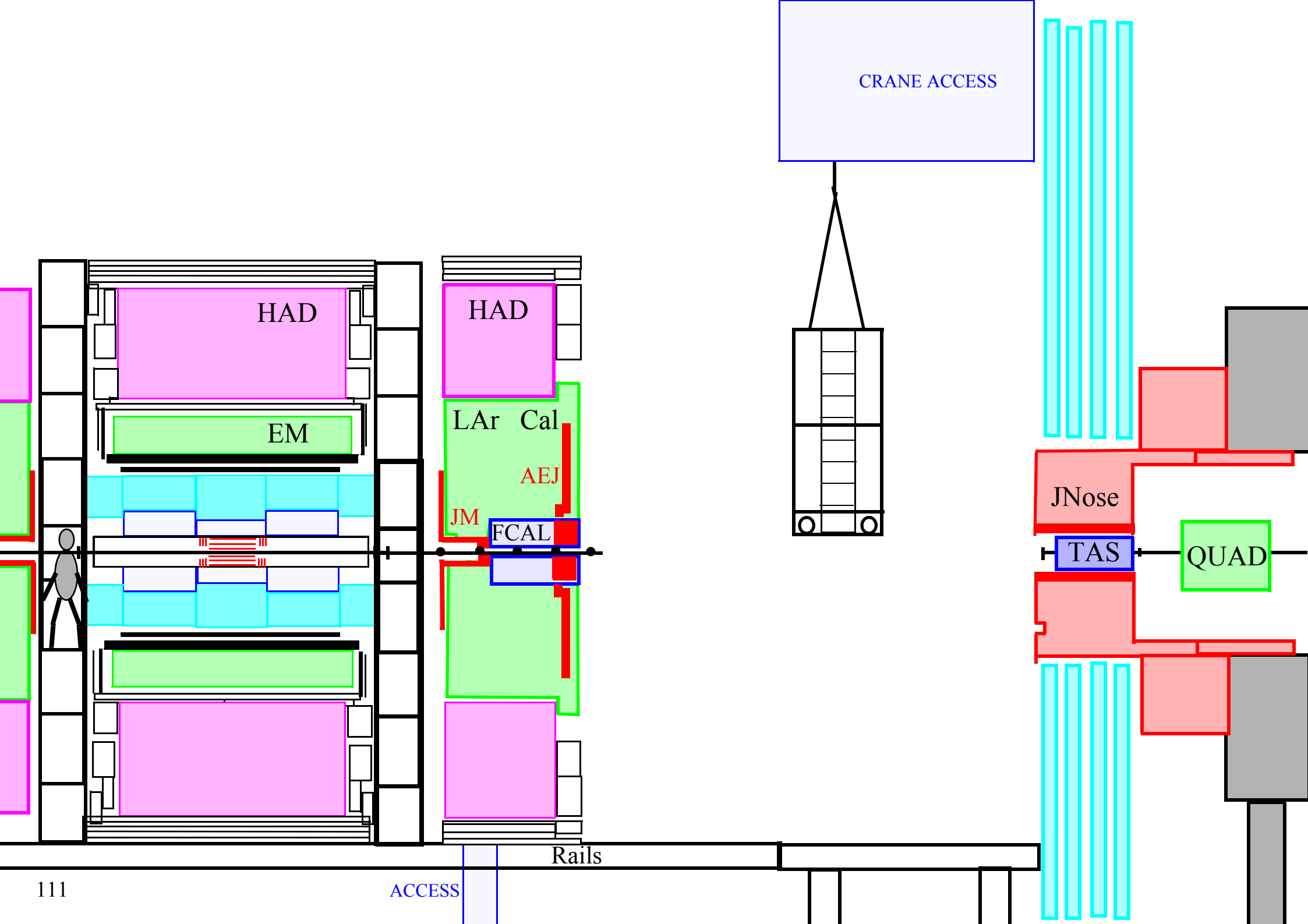


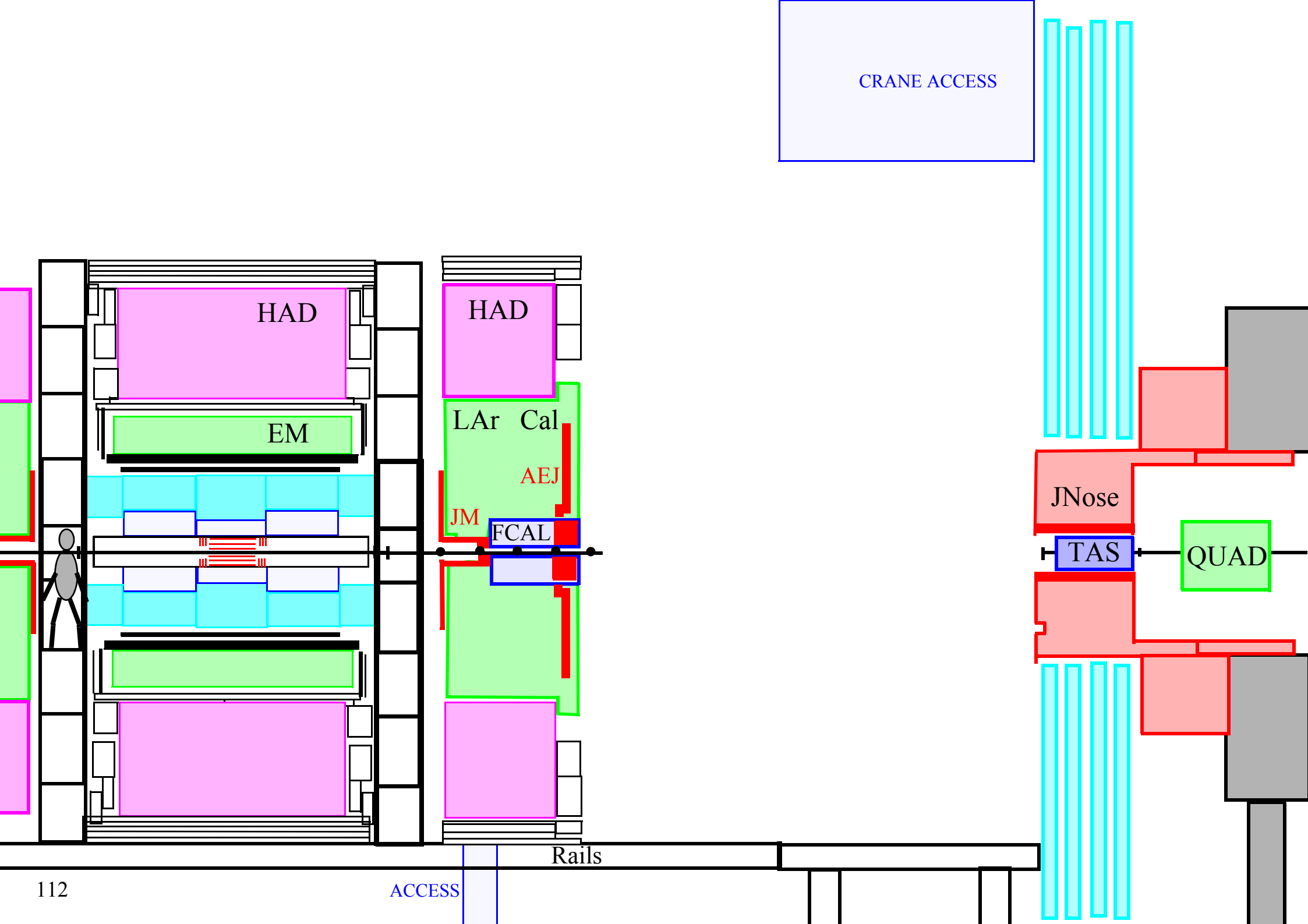
Do vacuum test



Remove minivan




CRANE ACCESS
HAD
HAD
EM
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS


CRANE ACCESS
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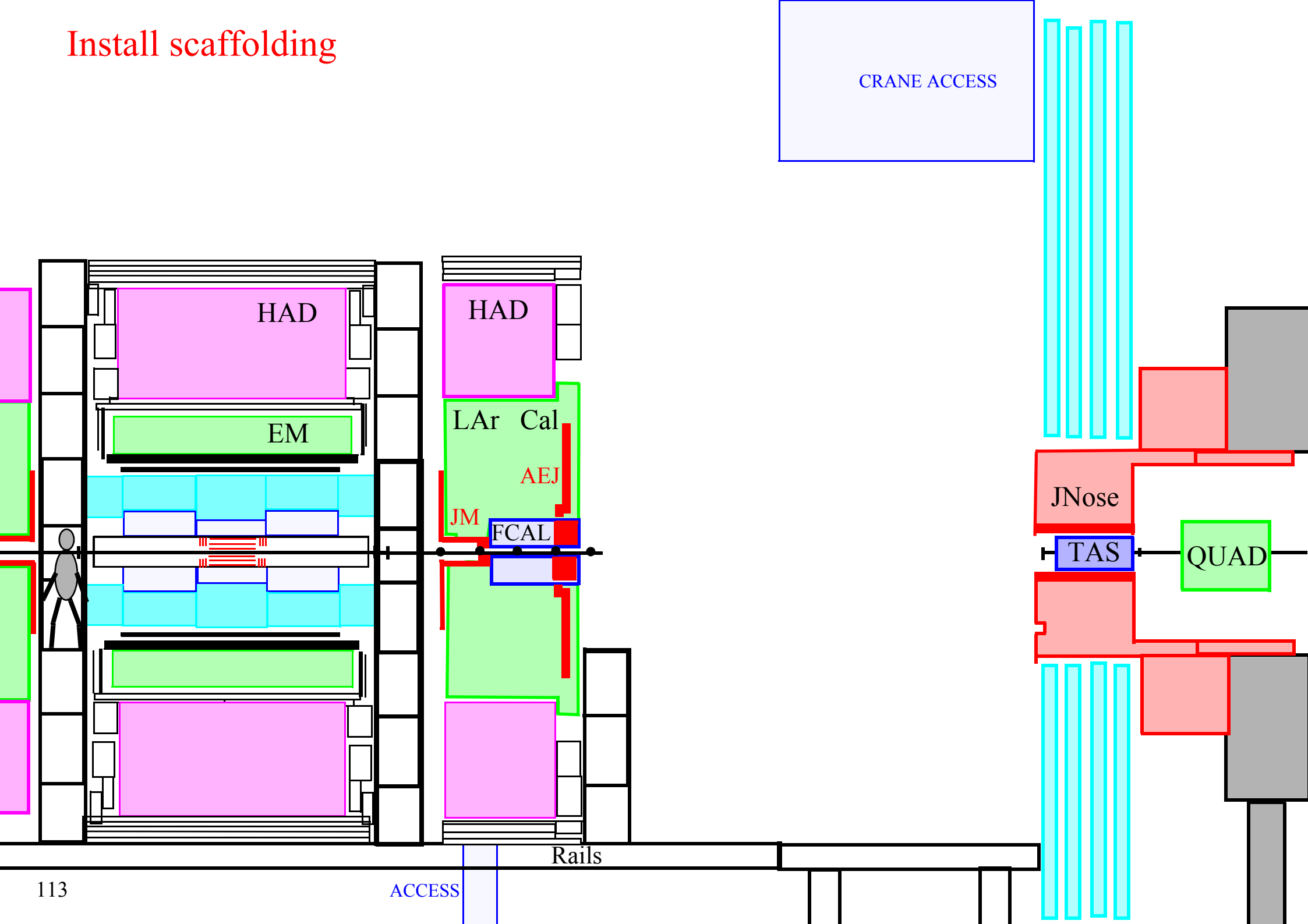
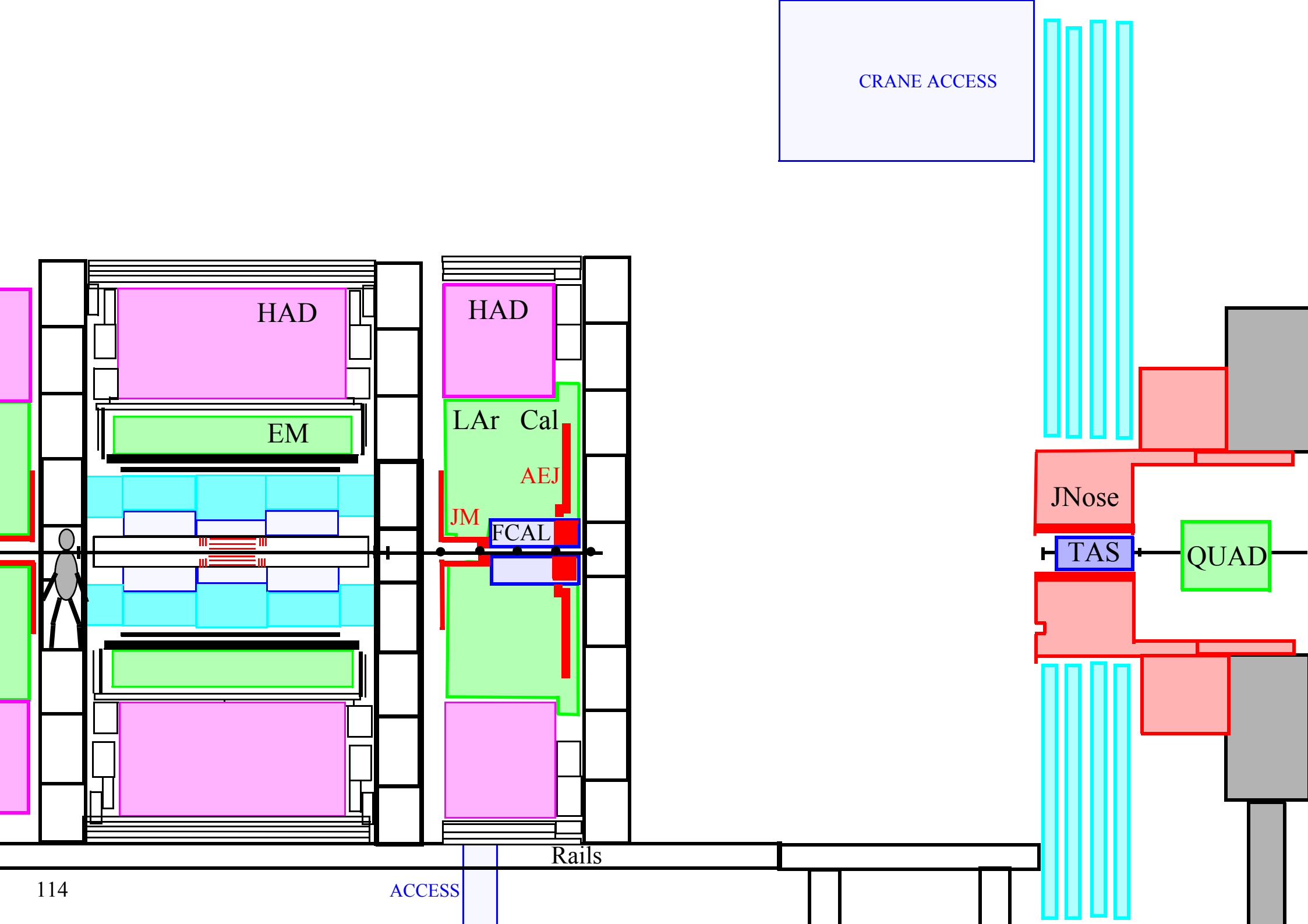
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

Install scaffolding




CRANE ACCESS
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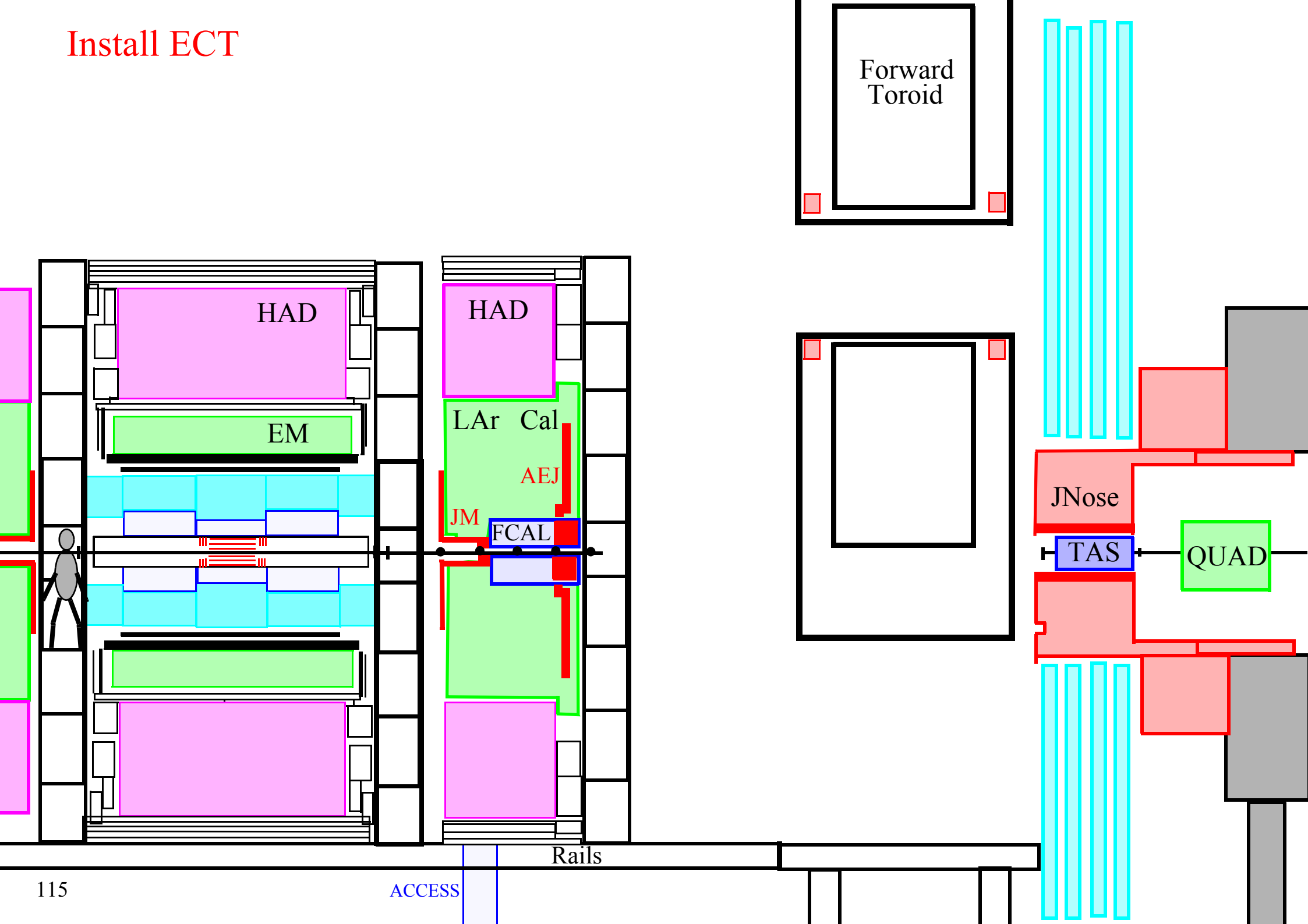
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

Install ECT


Forward
Toroid
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HAD
EM
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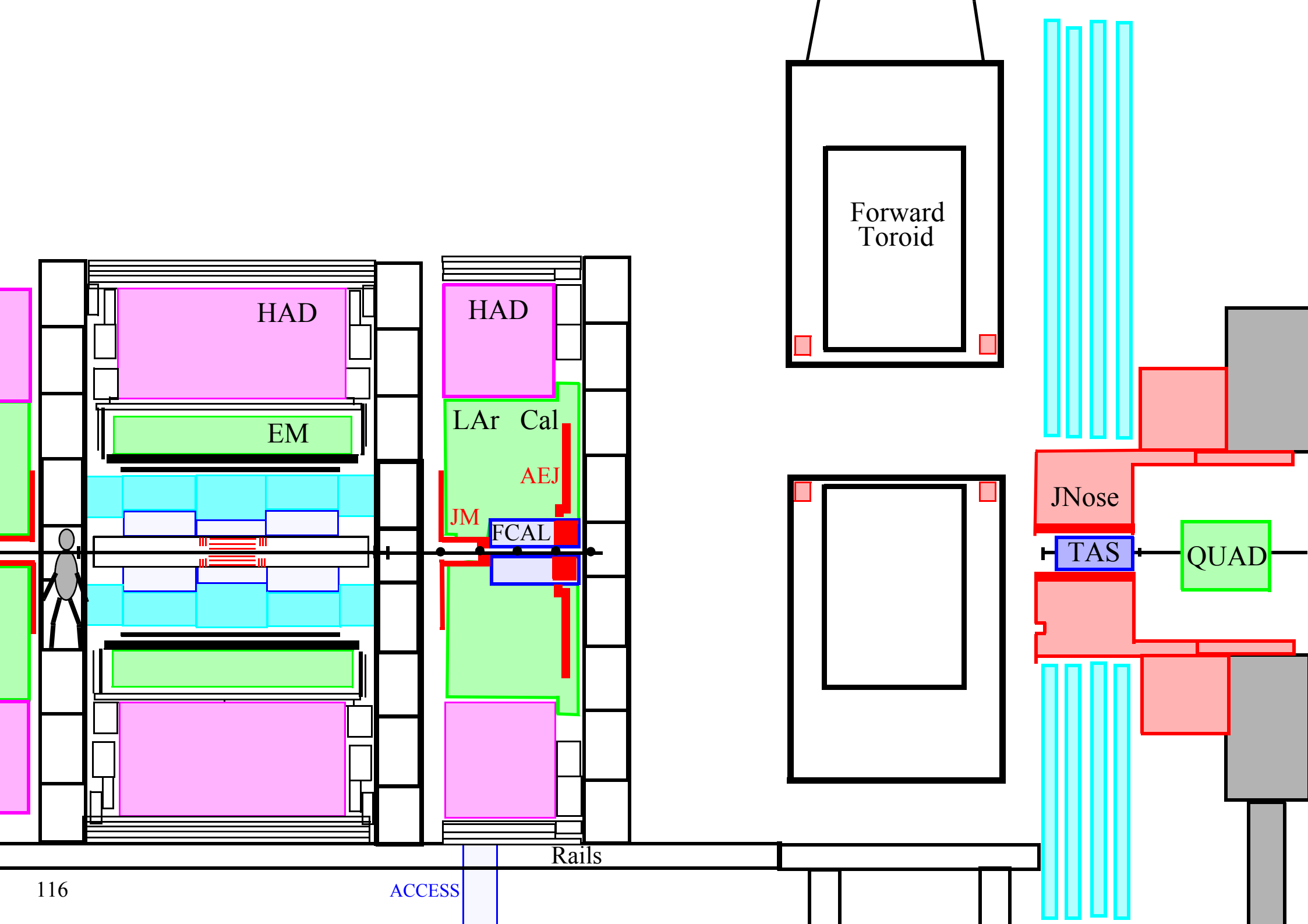
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS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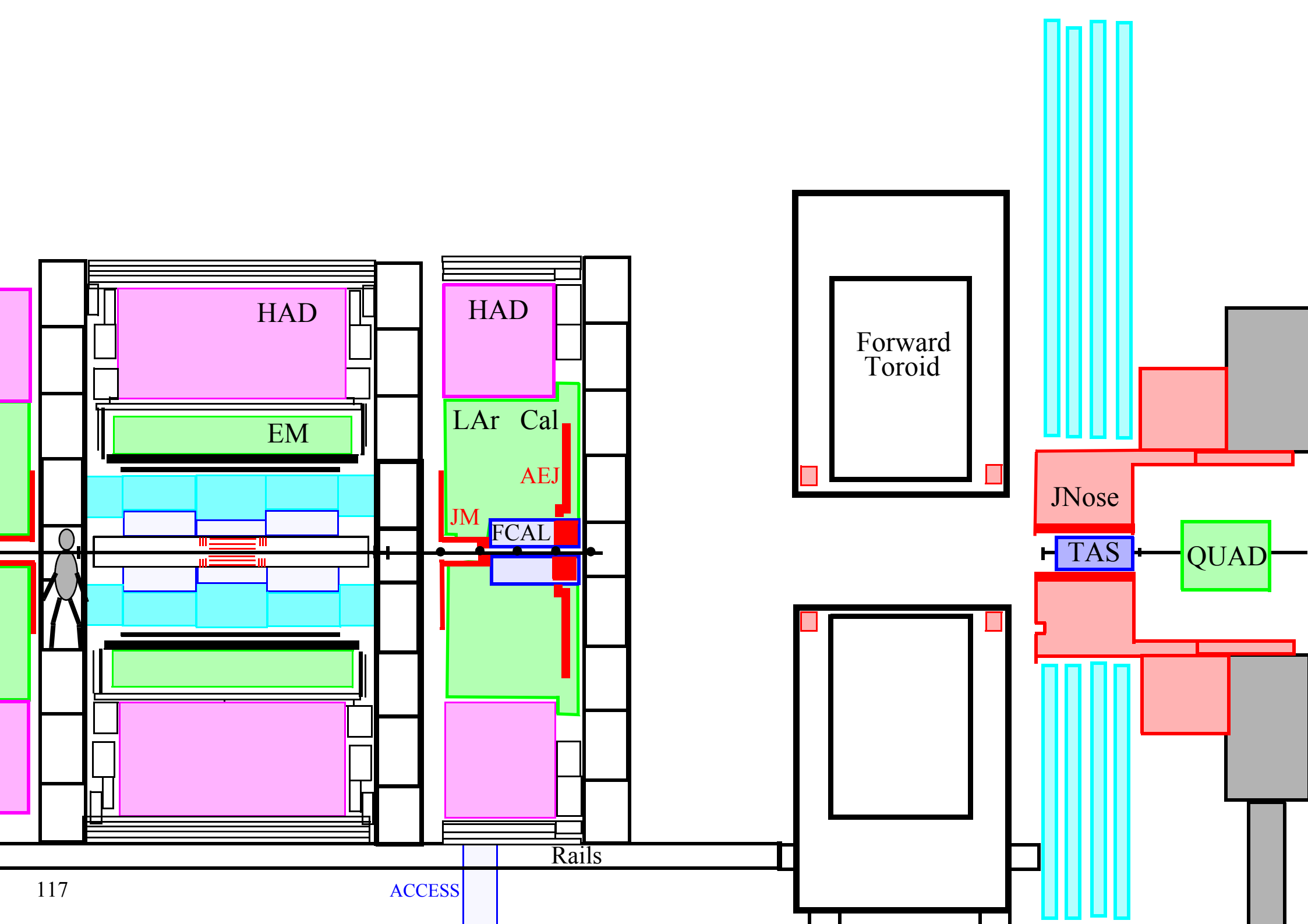
Rails
ACCESS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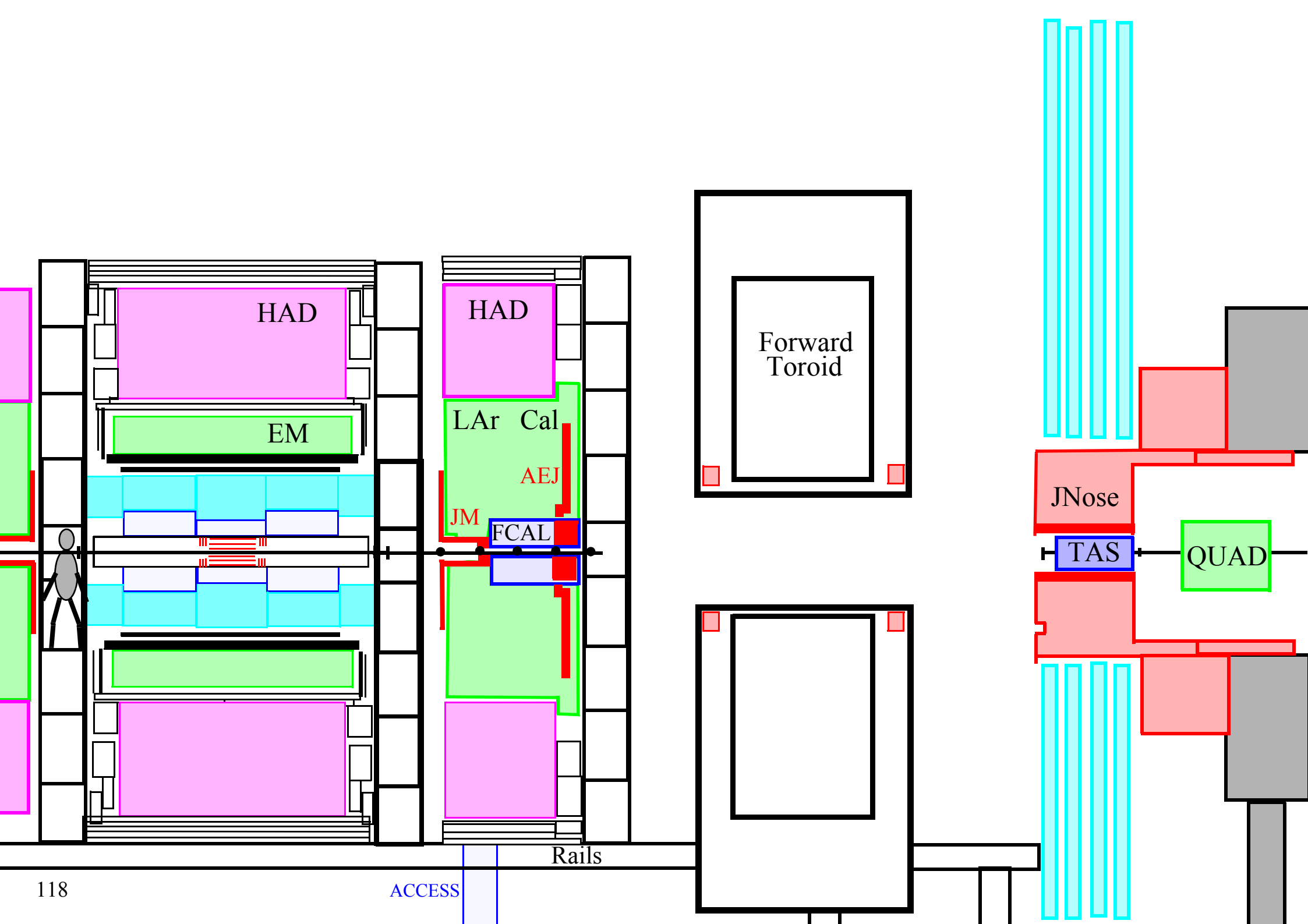
QUAD
Rails
ACCESS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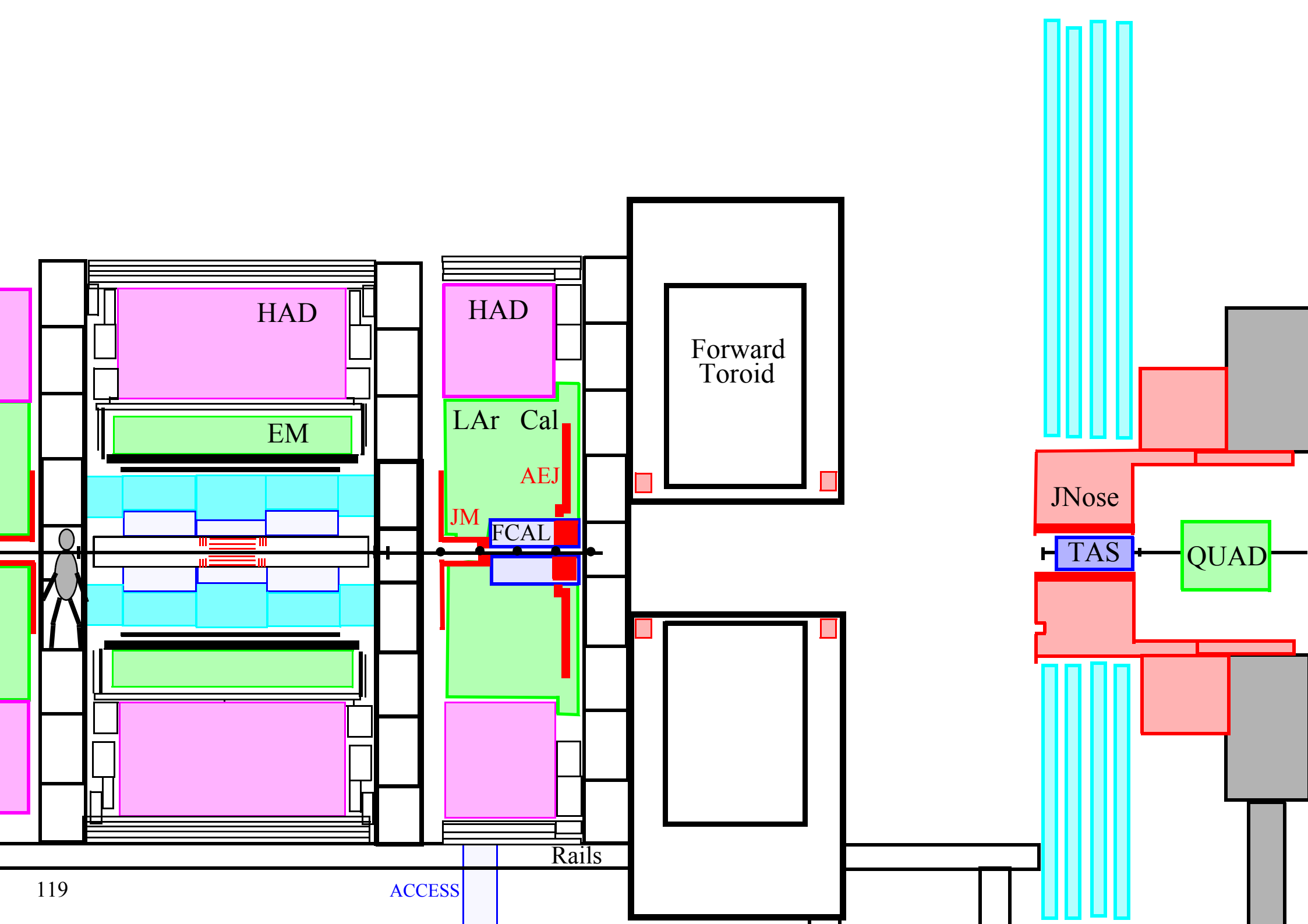
Rails
ACCESS


HAD
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Forward
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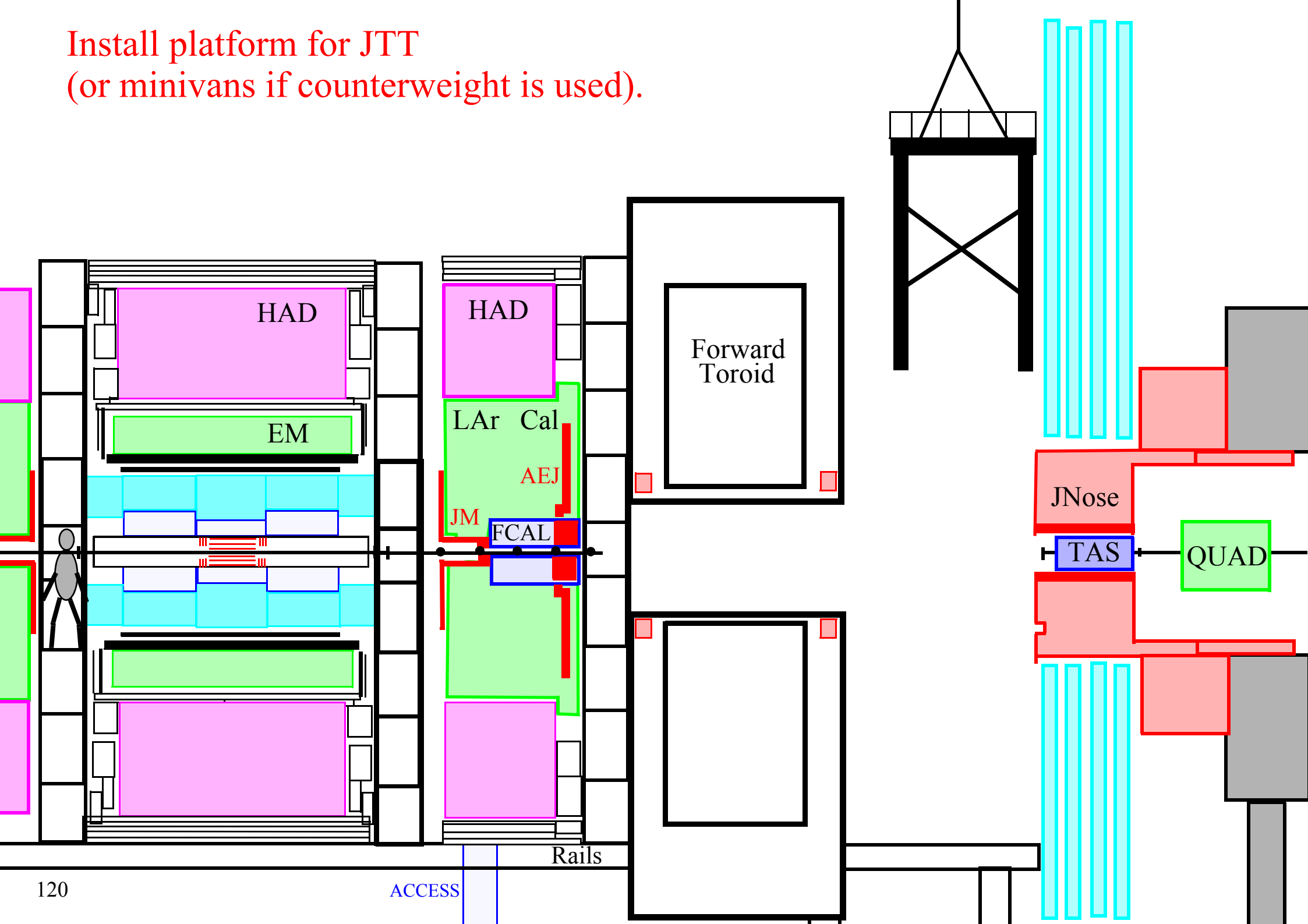
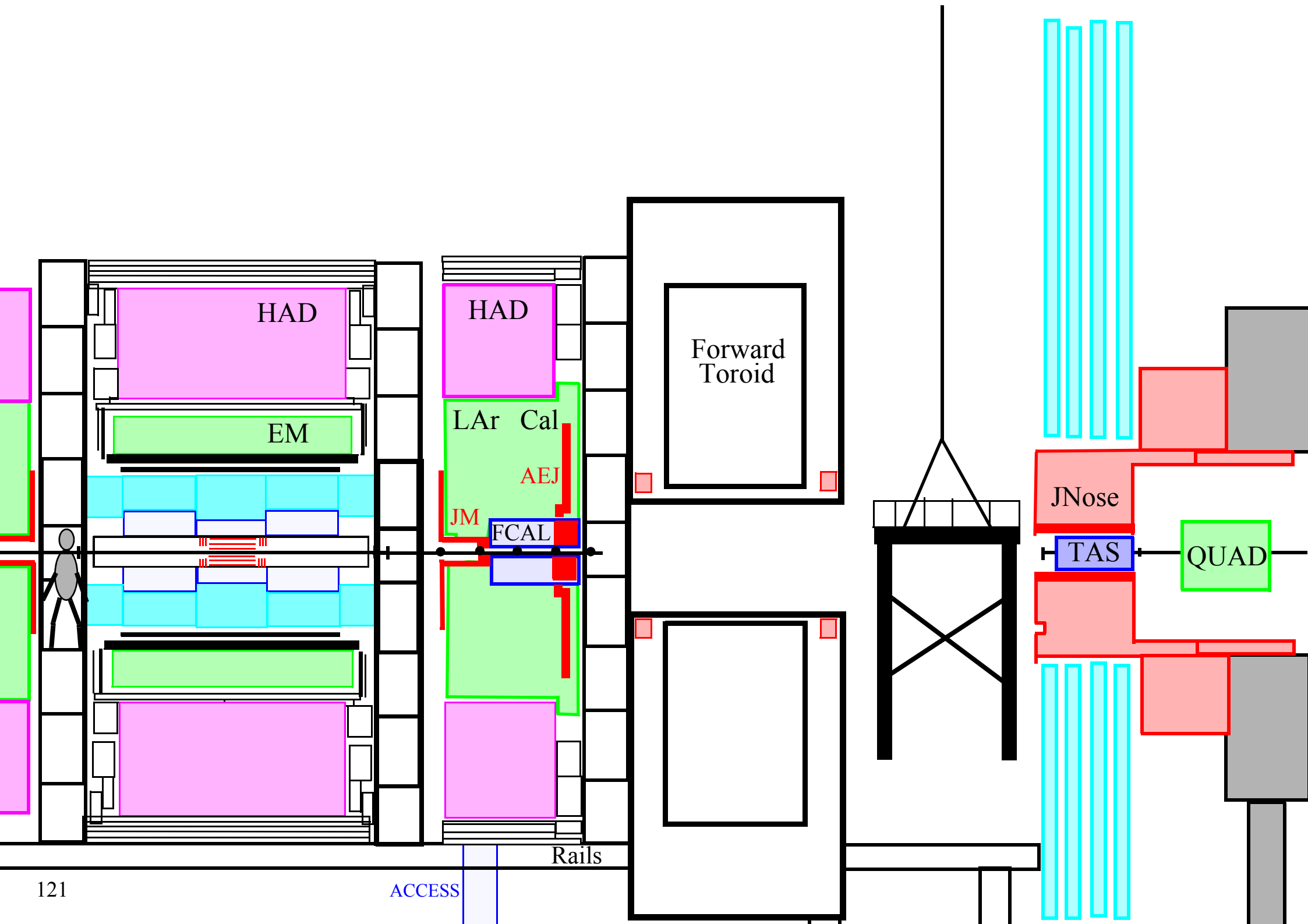
JNose
TAS
QUAD
Rails
ACCESS

Install platform for JTT
(or minivans if counterweight is used).

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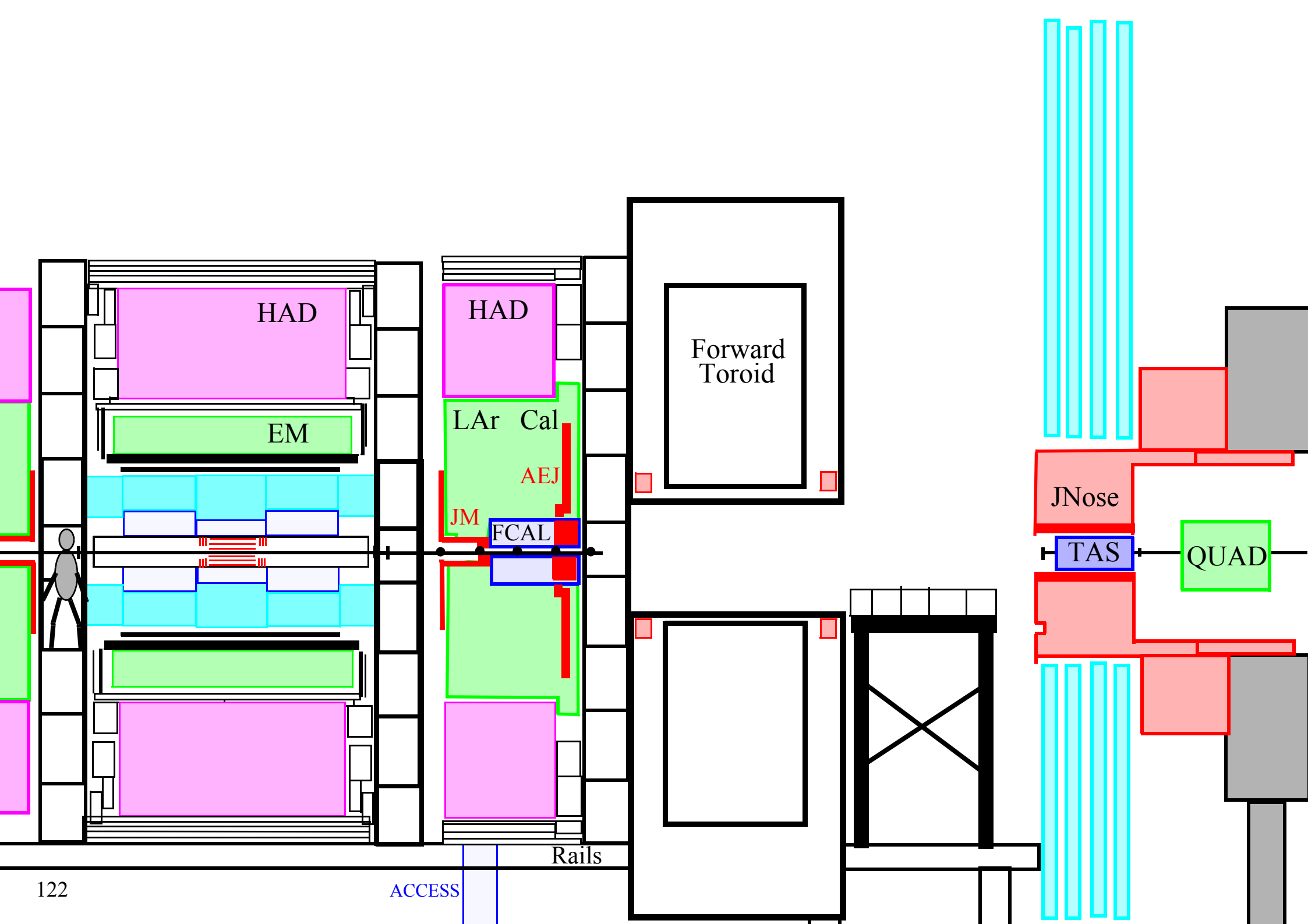
Rails
ACCESS


HAD
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FCAL
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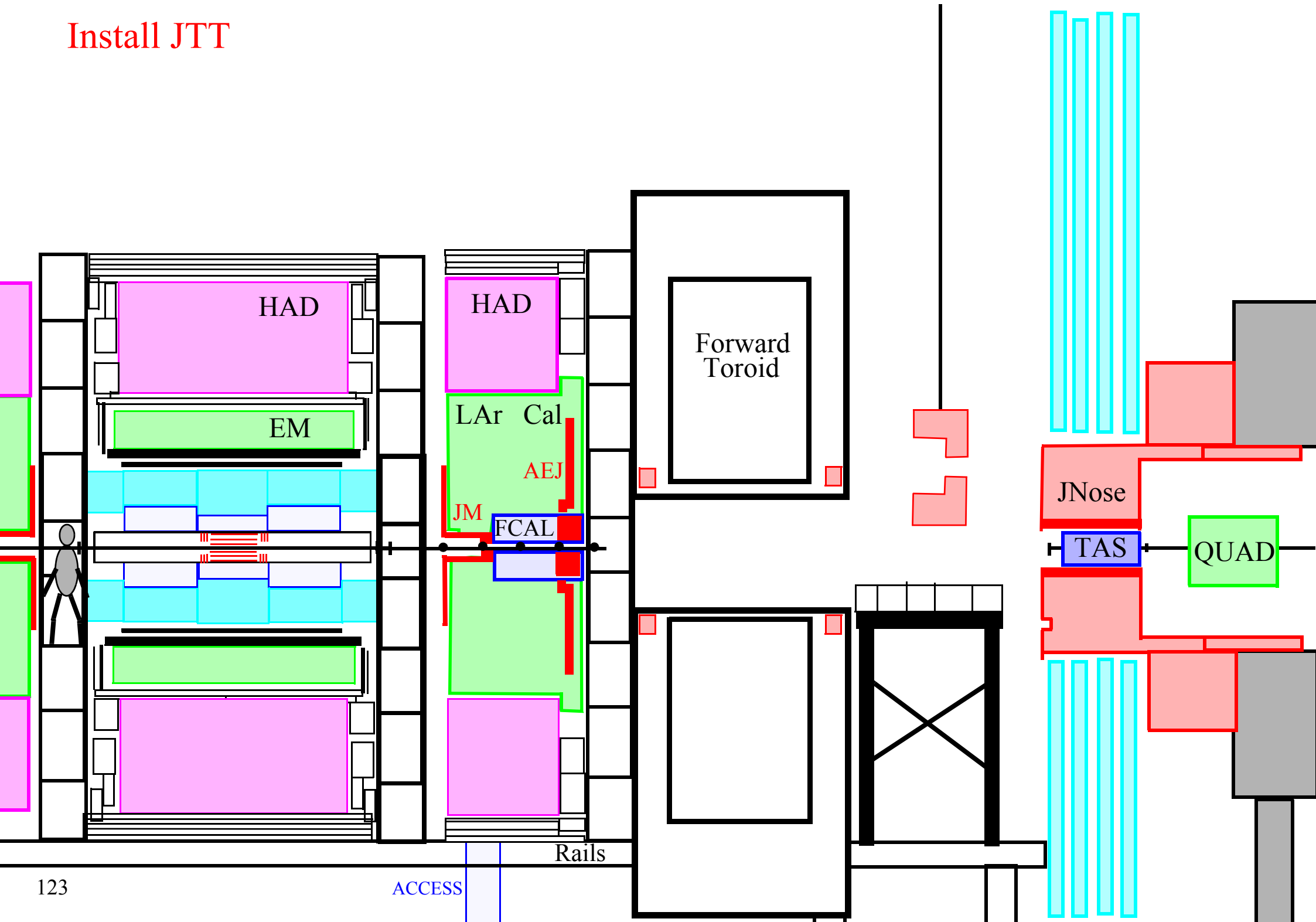
QUAD
Rails
ACCESS

Install JTT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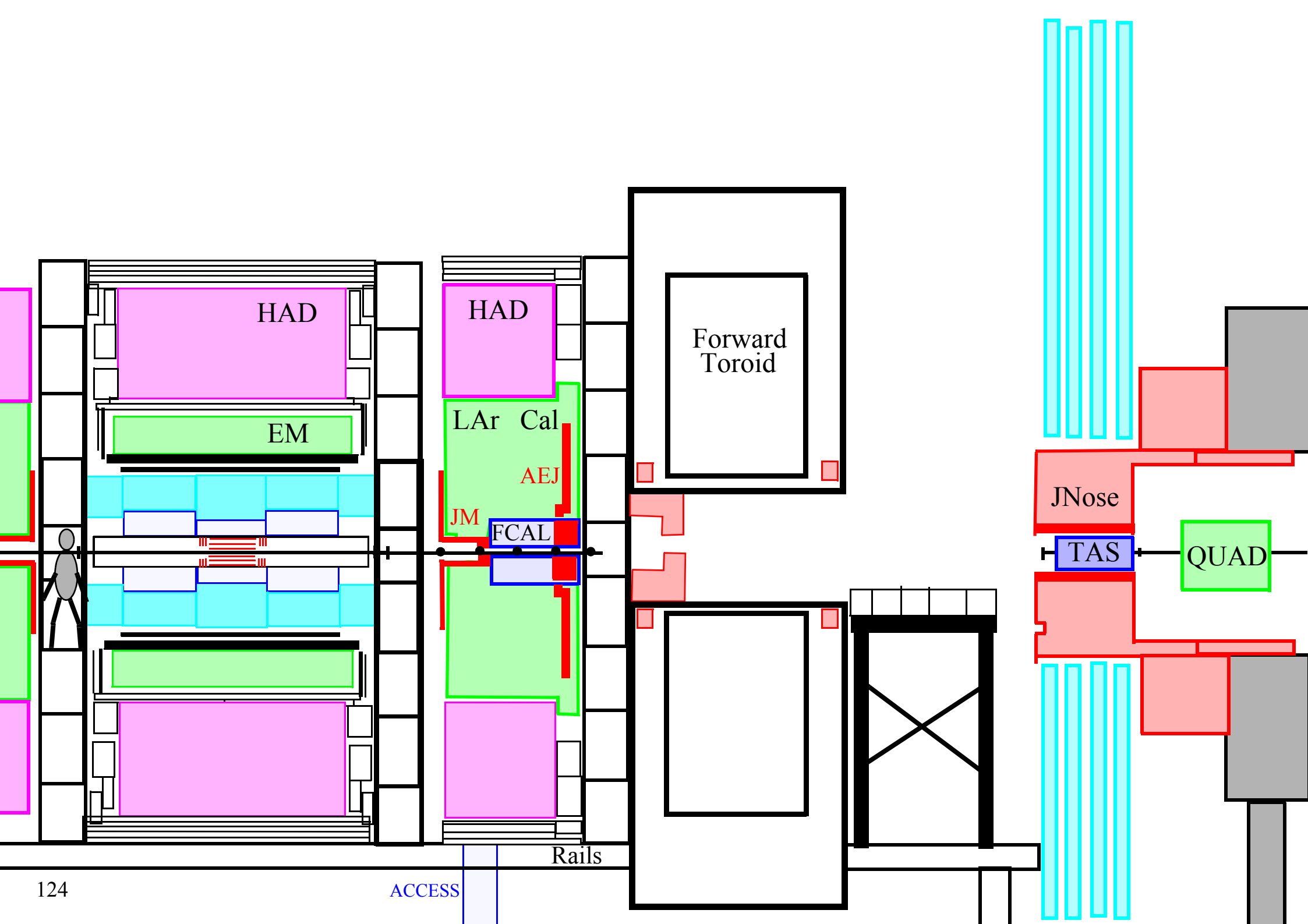
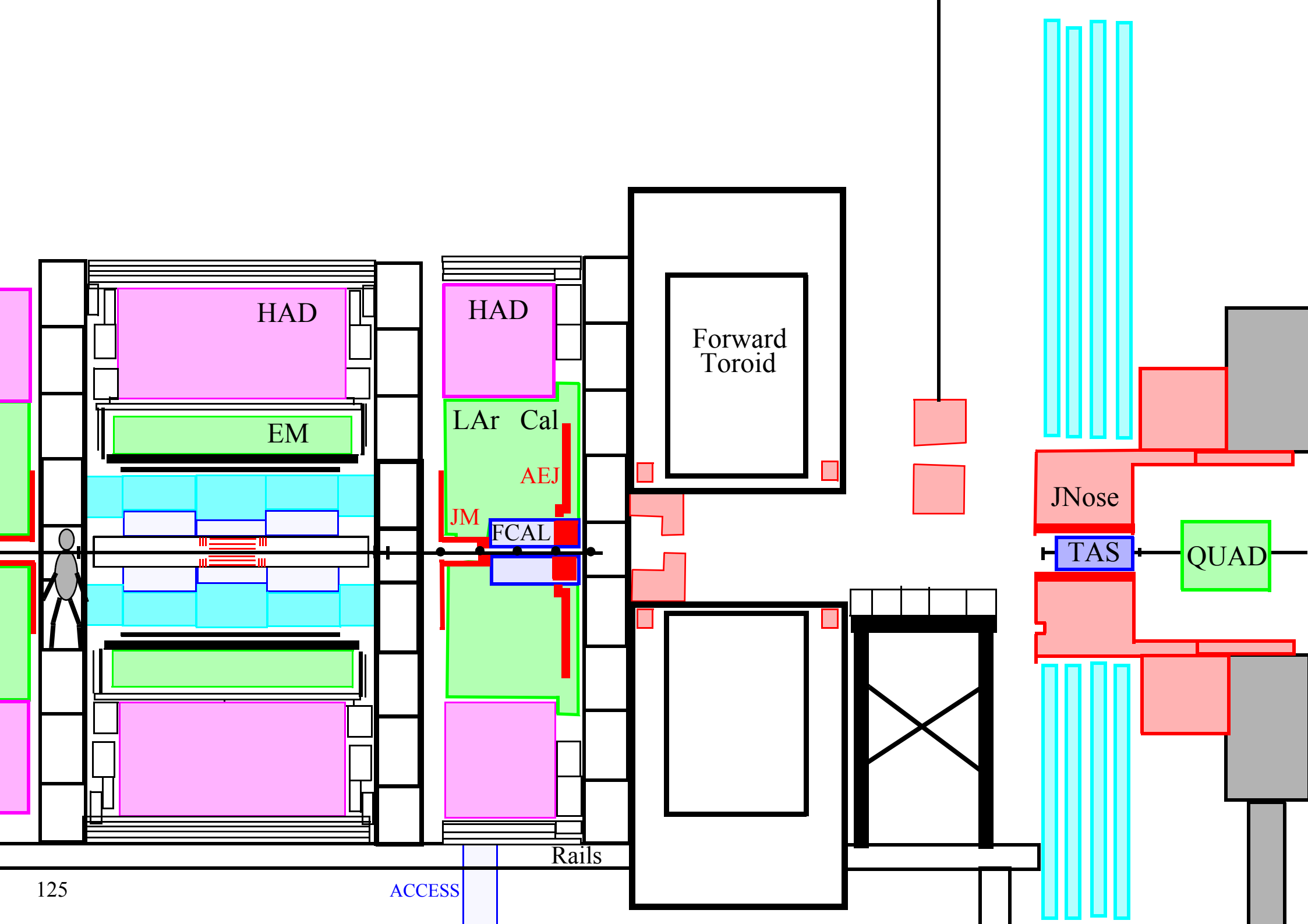
AEJ
JM
FCAL
Forward
Toroid
JNose
TAS
QUAD
Rails
ACCESS


HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
Forward
Toroid
JNose
TAS
QUAD
Rails
ACCESS


HAD
EM
HAD
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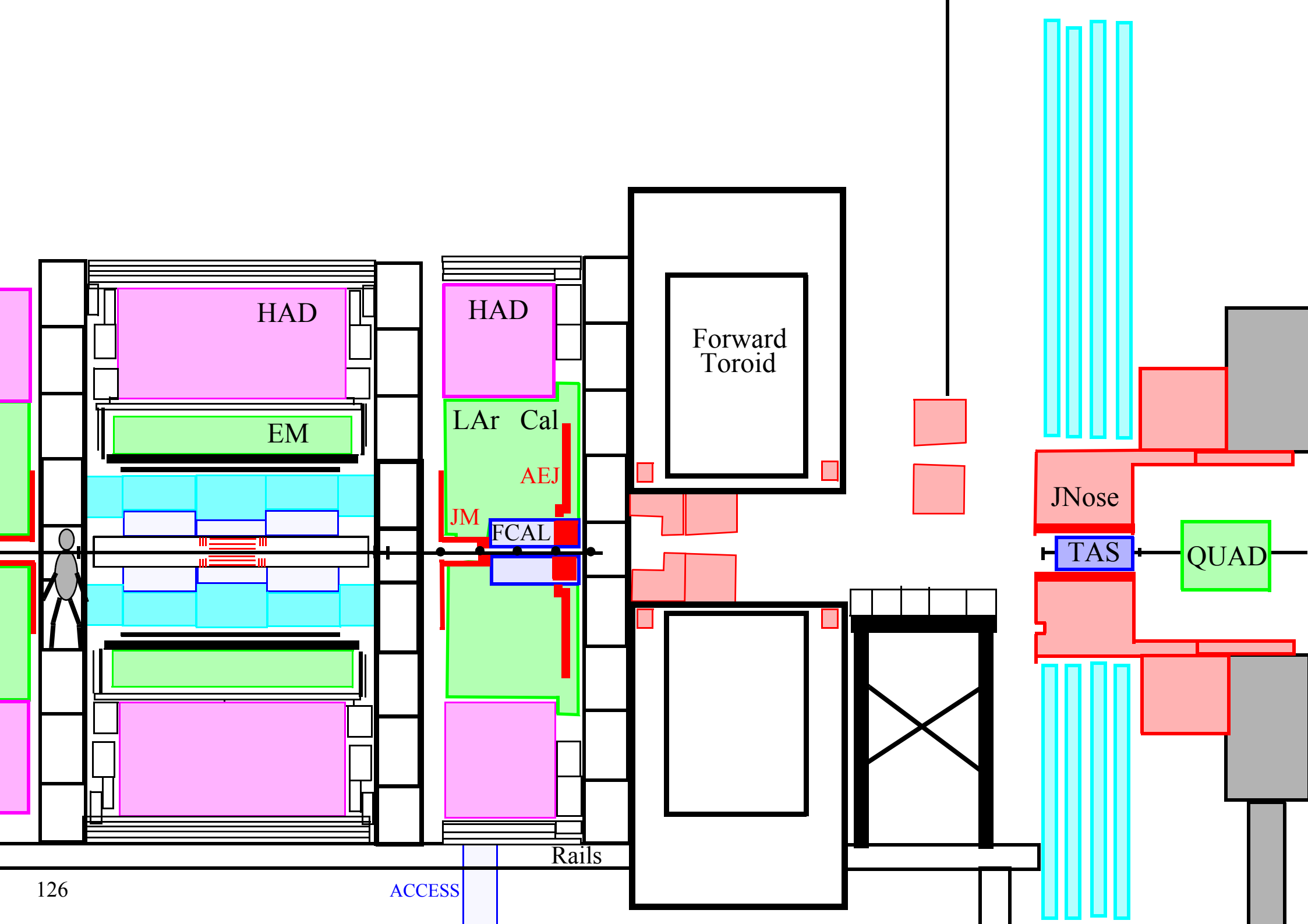
AEJ
JM
FCAL
Forward
Toroid
JNose
TAS
QUAD
Rails
ACCESS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FCAL
Forward
Toroid
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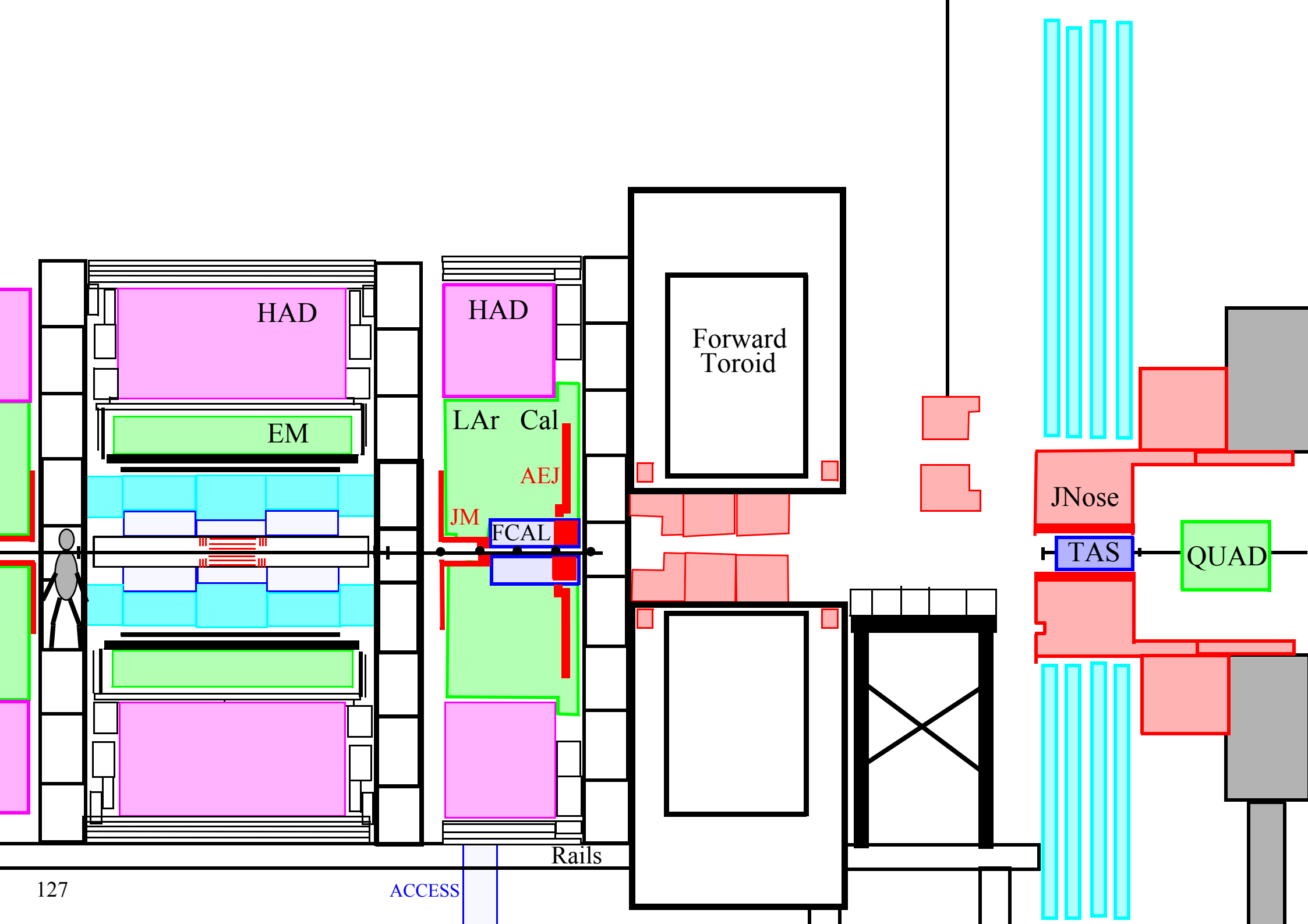
TAS
QUAD
Rails
ACCESS


HAD
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HAD
LAr Cal
AEJ
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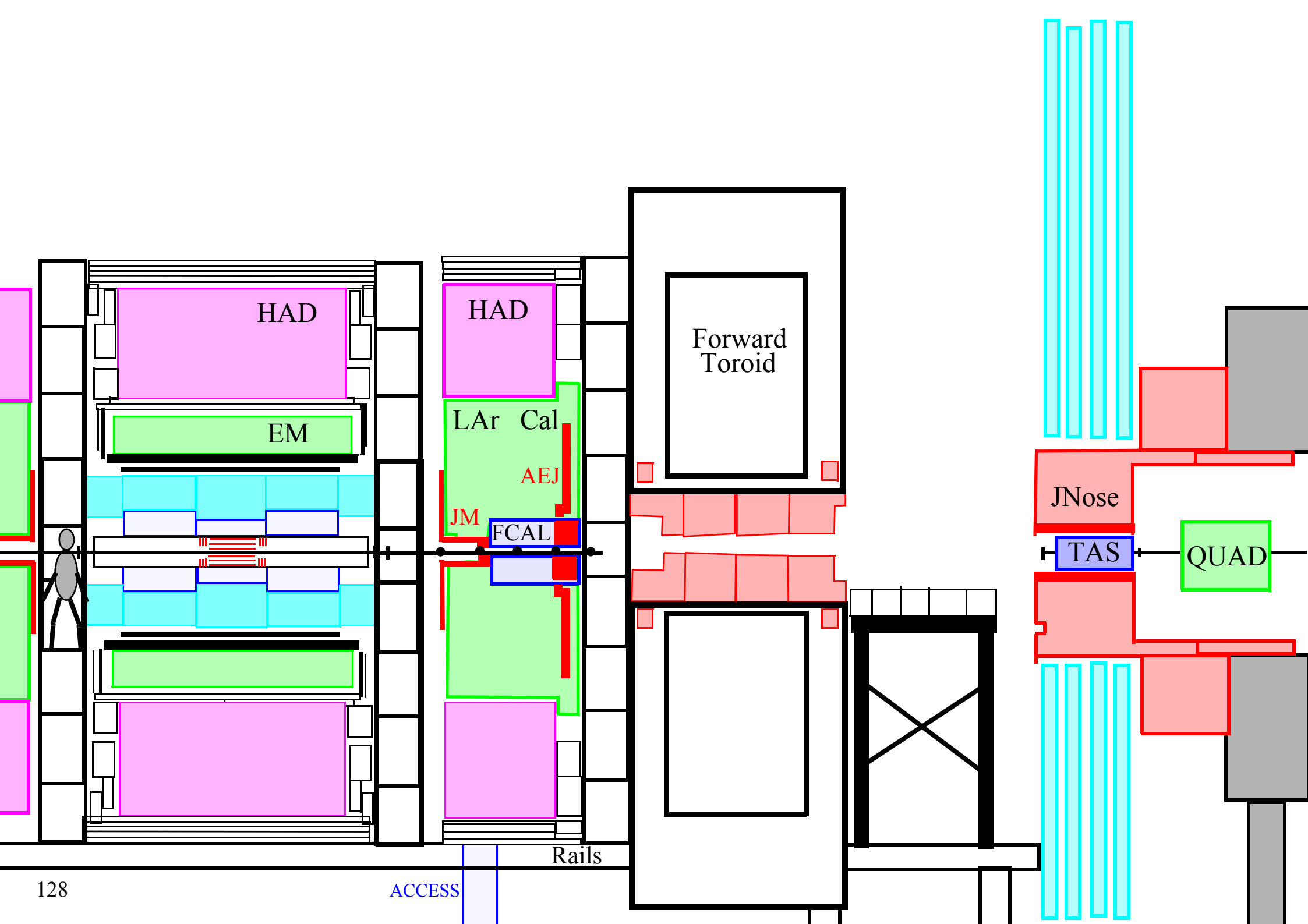
FCAL
Forward
Toroid
JNose
TAS
QUAD
Rails
ACCESS


HAD
EM
HAD
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AEJ
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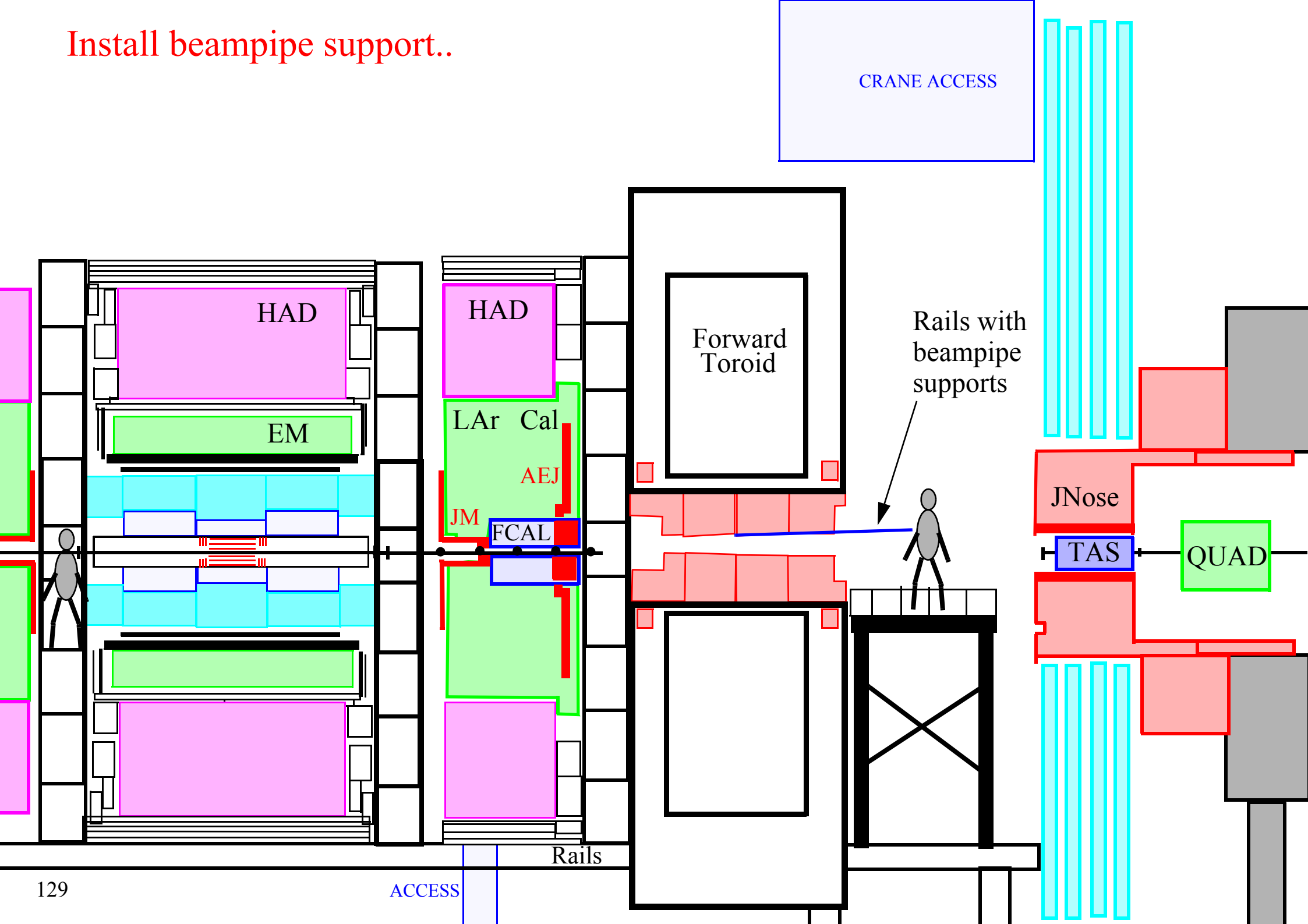
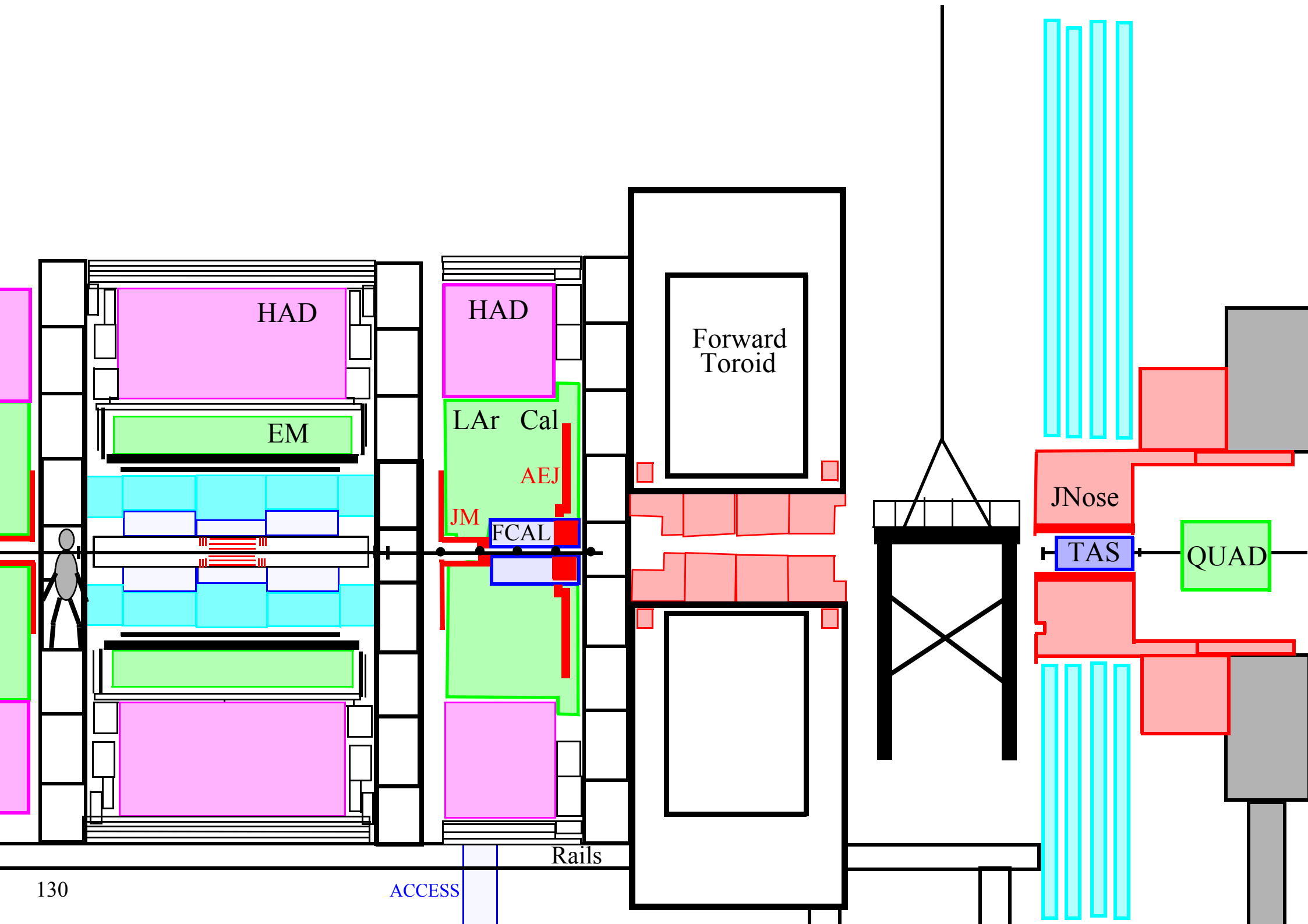
FCAL
Forward
Toroid
JNose
TAS
QUAD
Rails
ACCESS

Install beampipe support..

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EM
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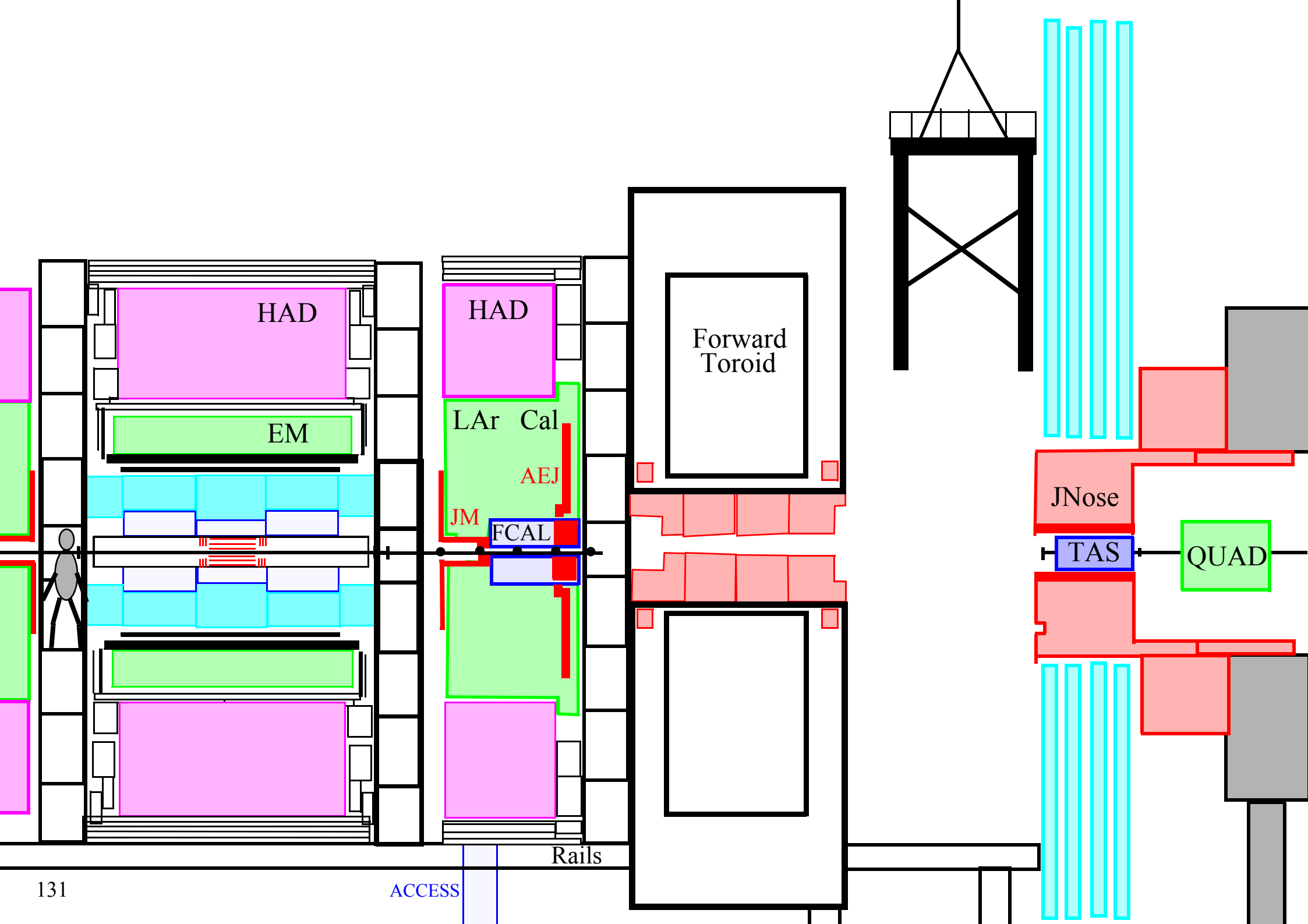
JNose
TAS
QUAD
Rails
ACCESS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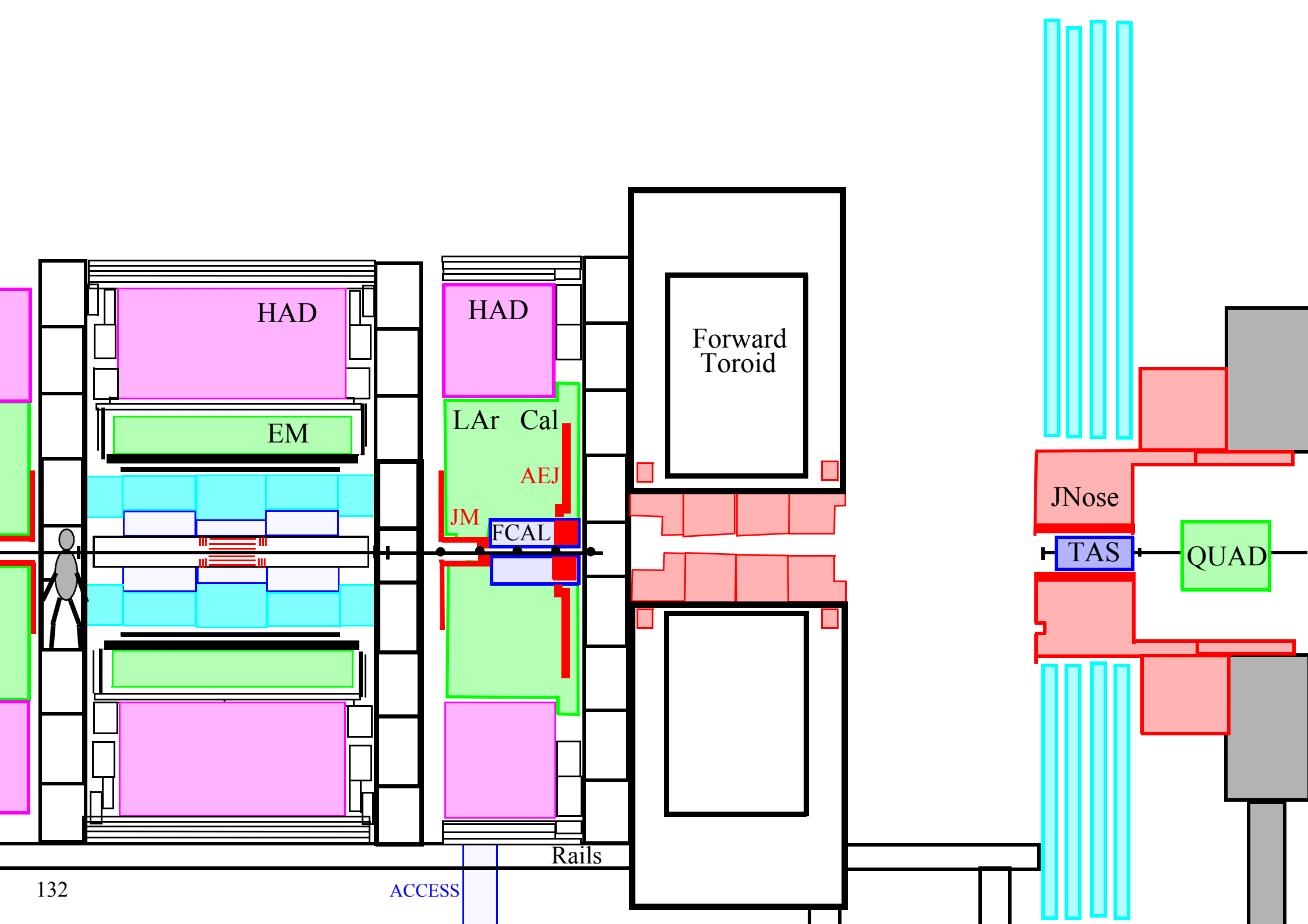
TAS
QUAD
Rails
ACCESS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Rails
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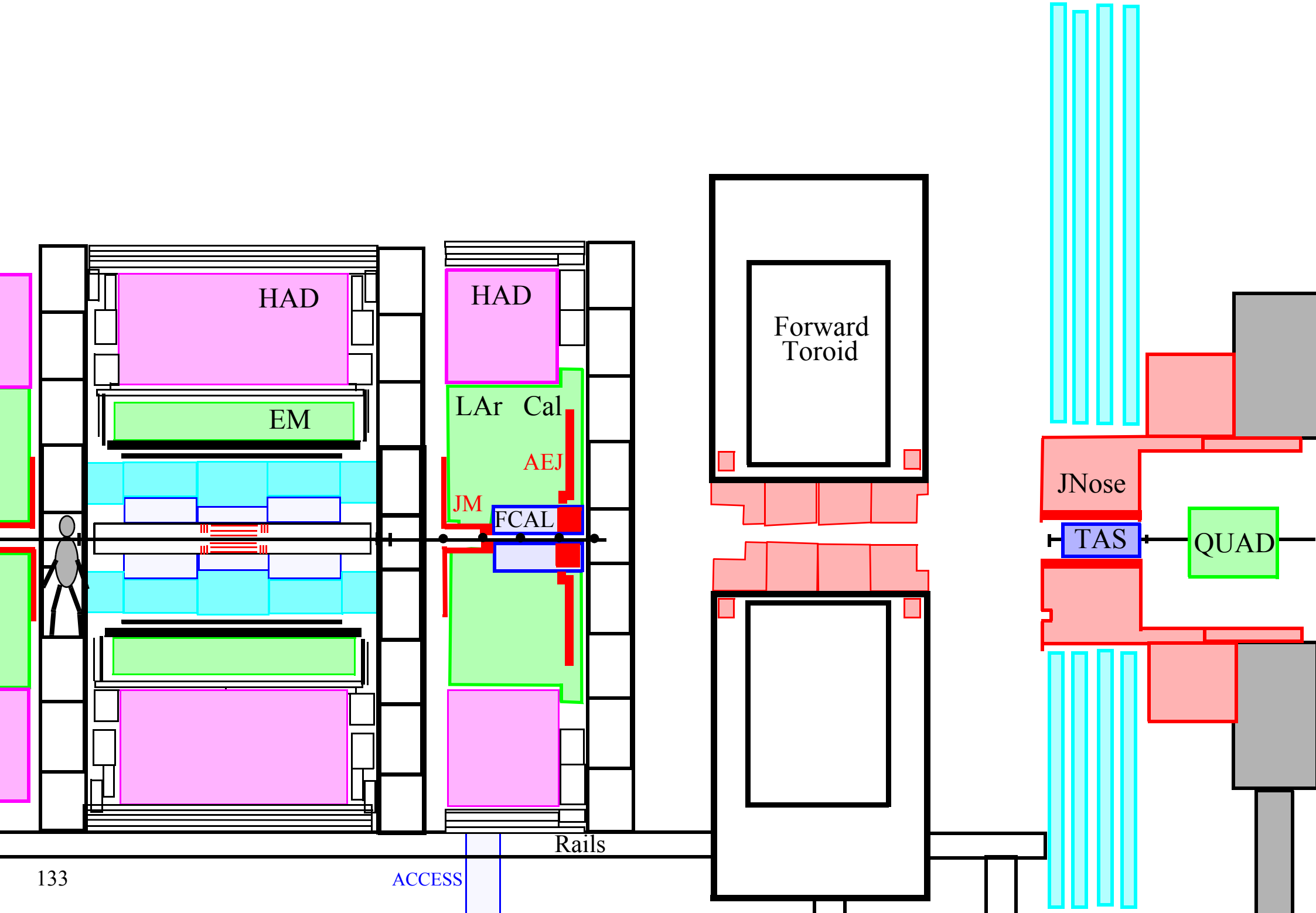
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EM
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AEJ
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FCAL
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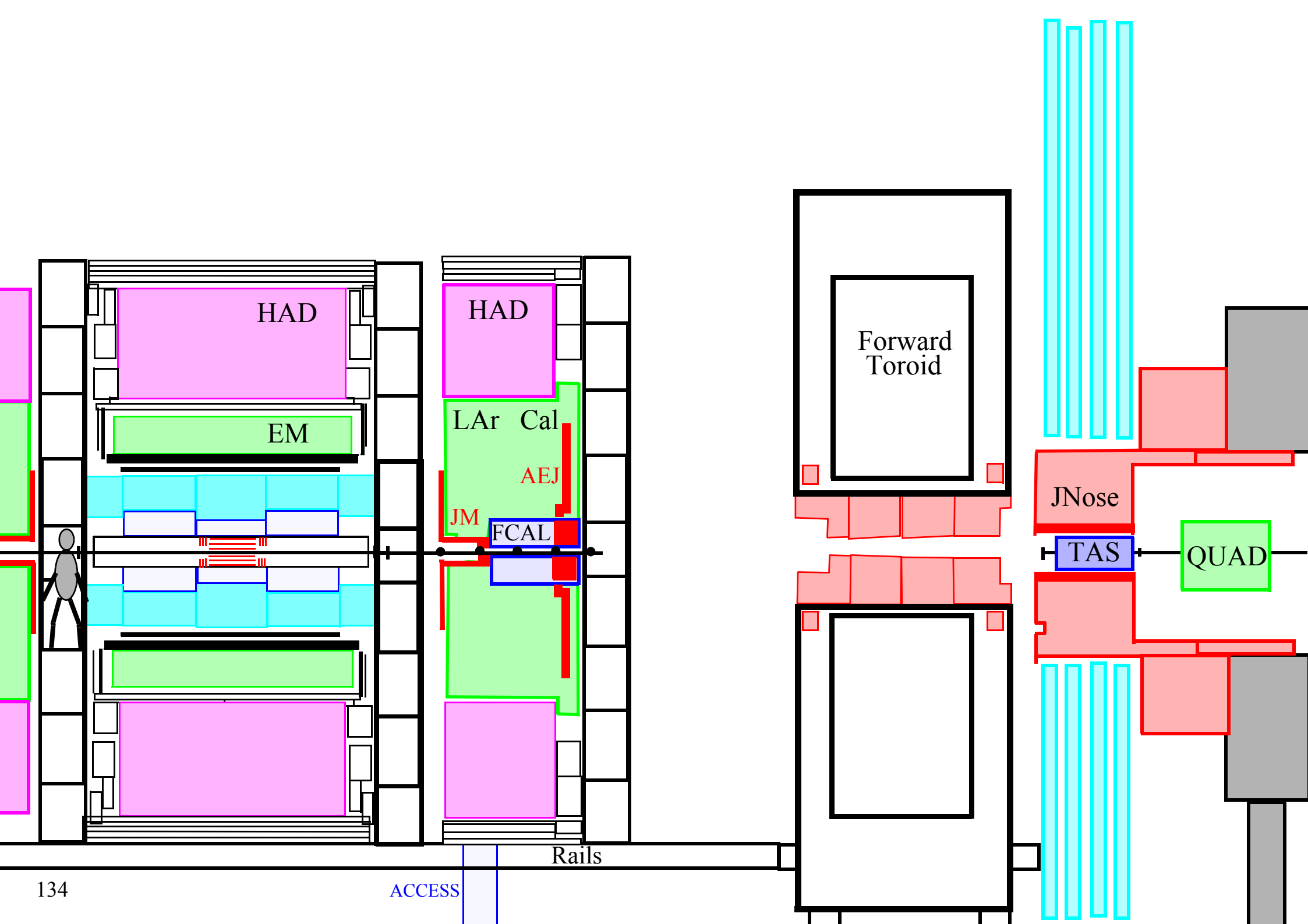
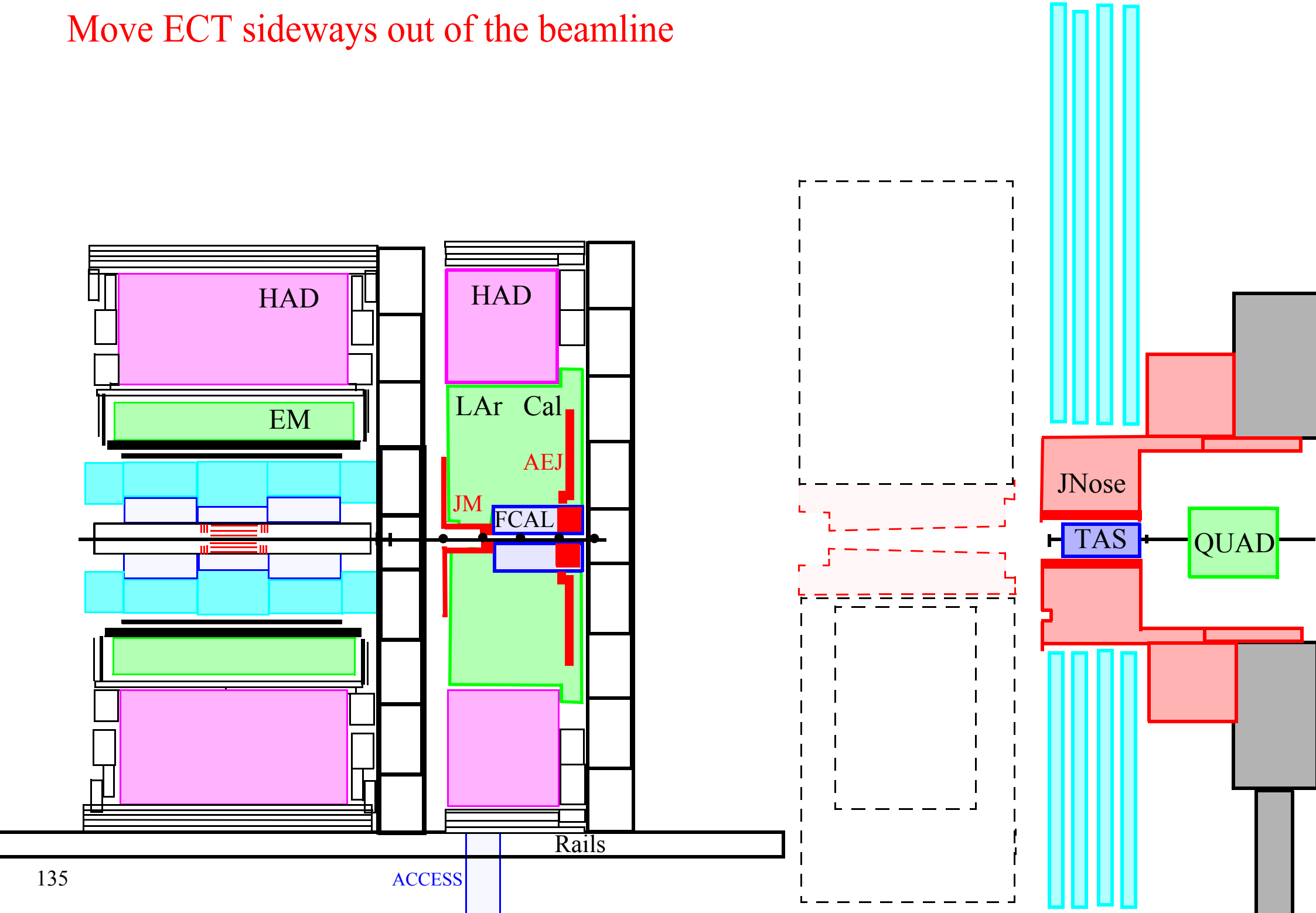
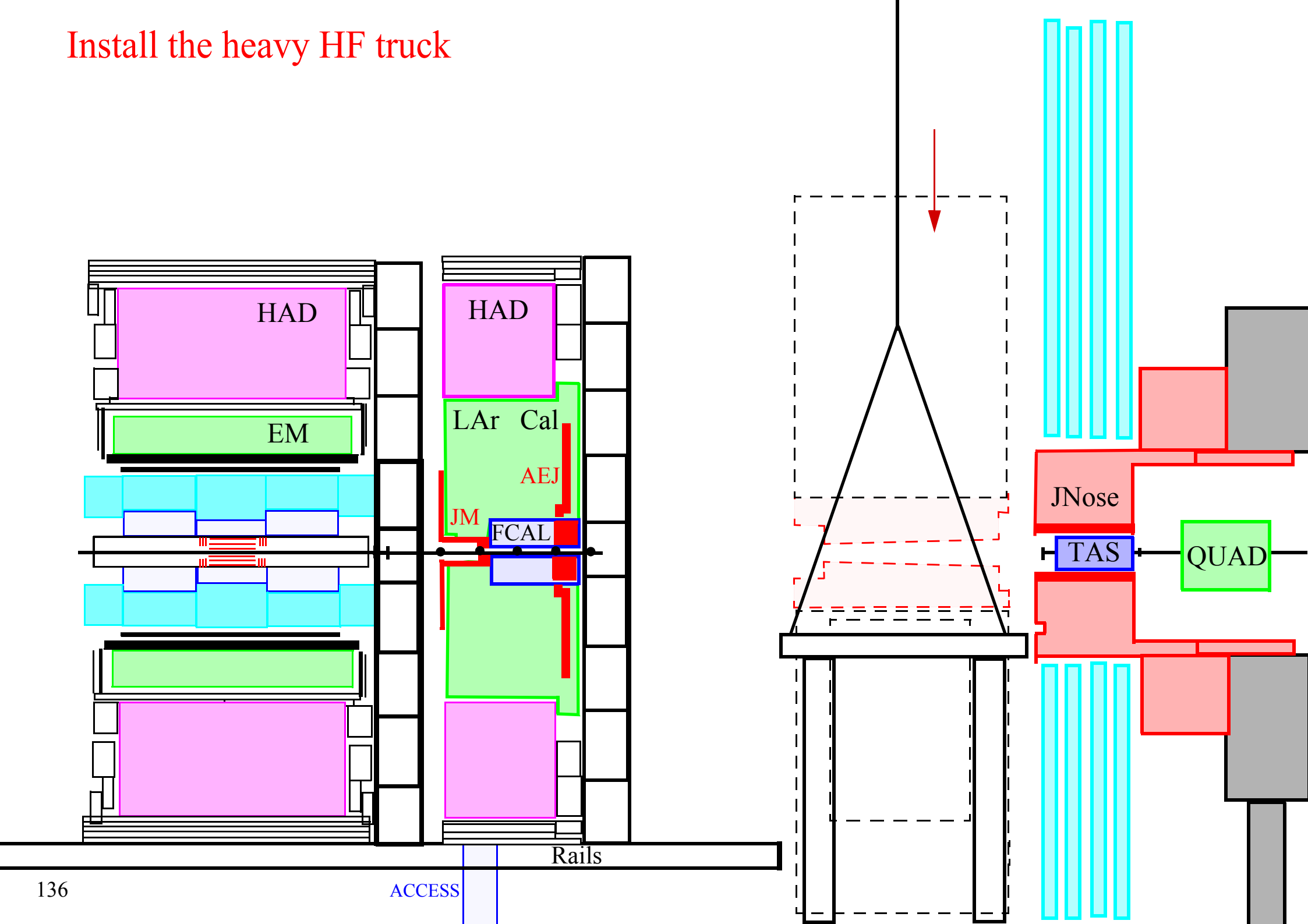
QUAD
Rails
ACCESS

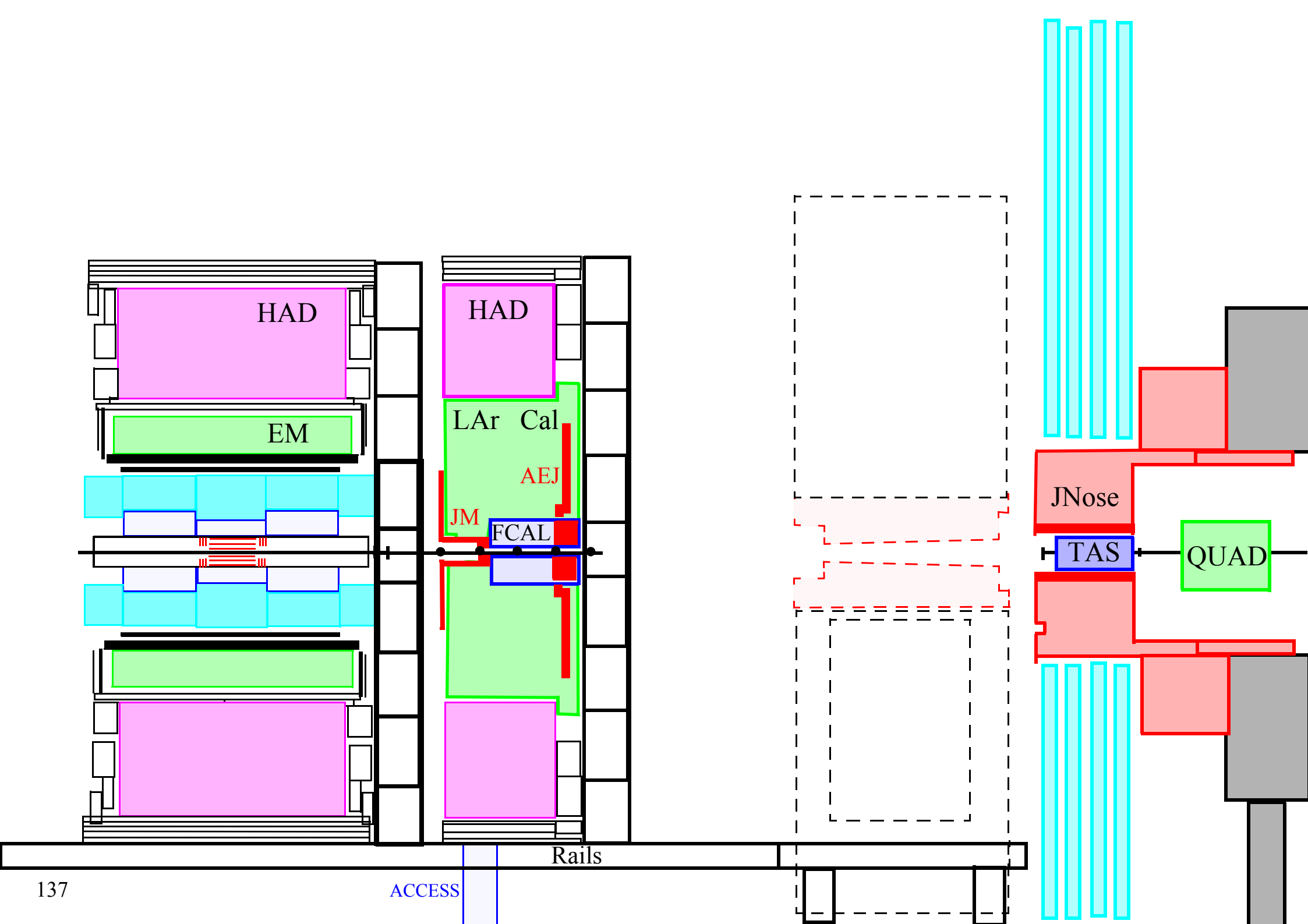

HAD
HAD
EM
LAr Cal
AEJ
JM
FCAL
Forward
Toroid
JNose
TAS
QUAD
Rails
ACCESS

Move ECT sideways out of the beamline

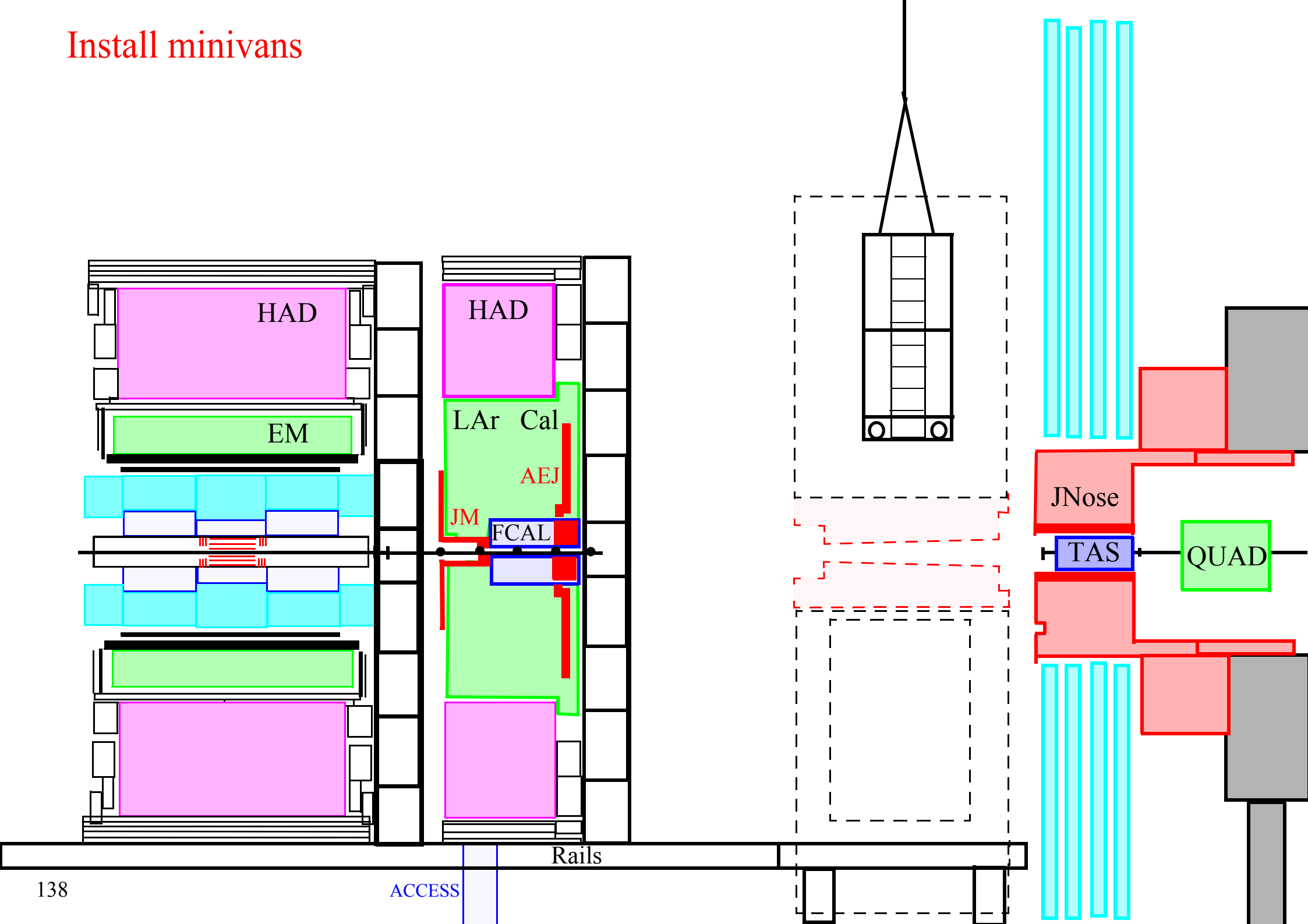


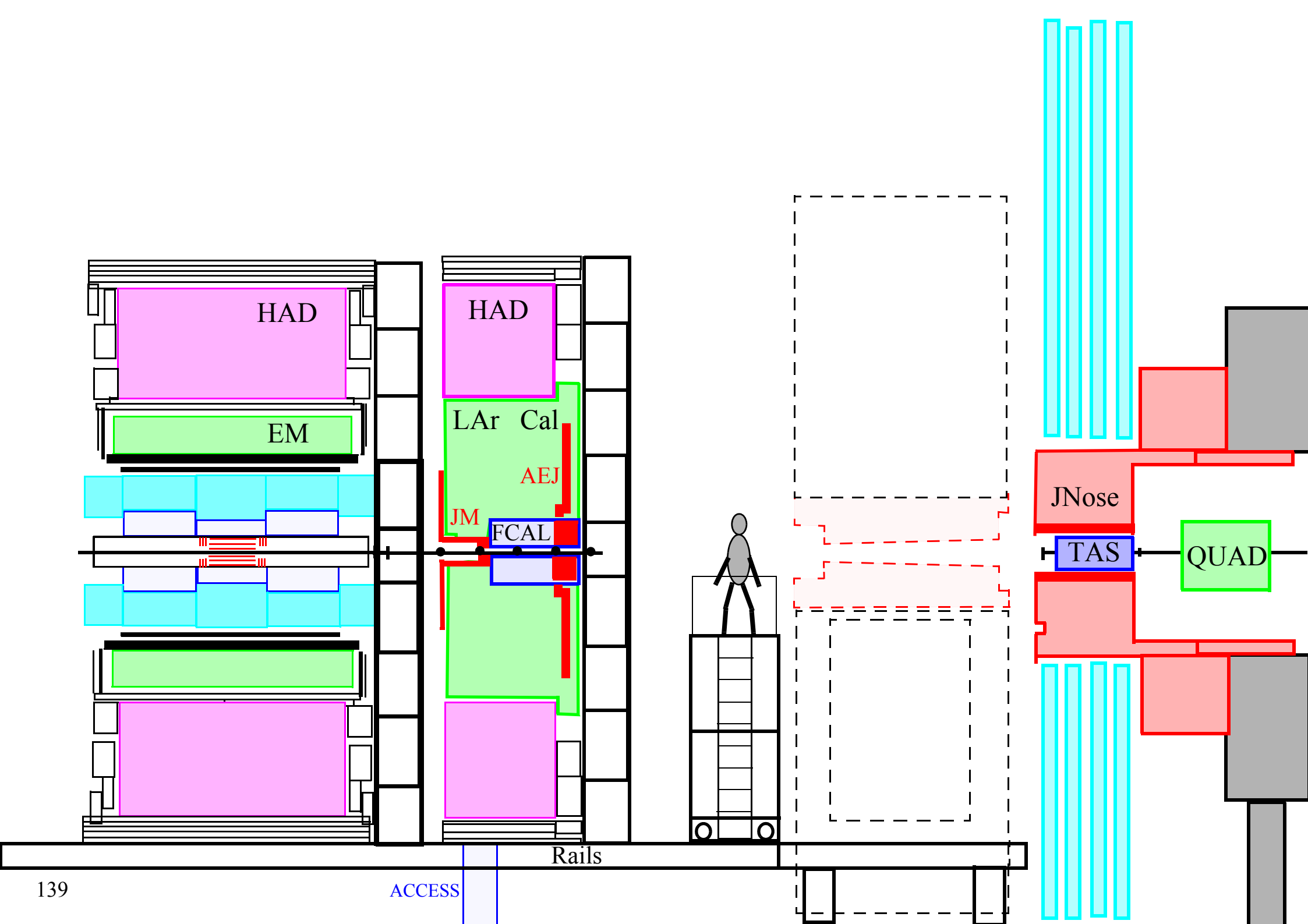
Install the heavy HF truck




HAD
HAD
EM
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

Install minivans




HAD
EM
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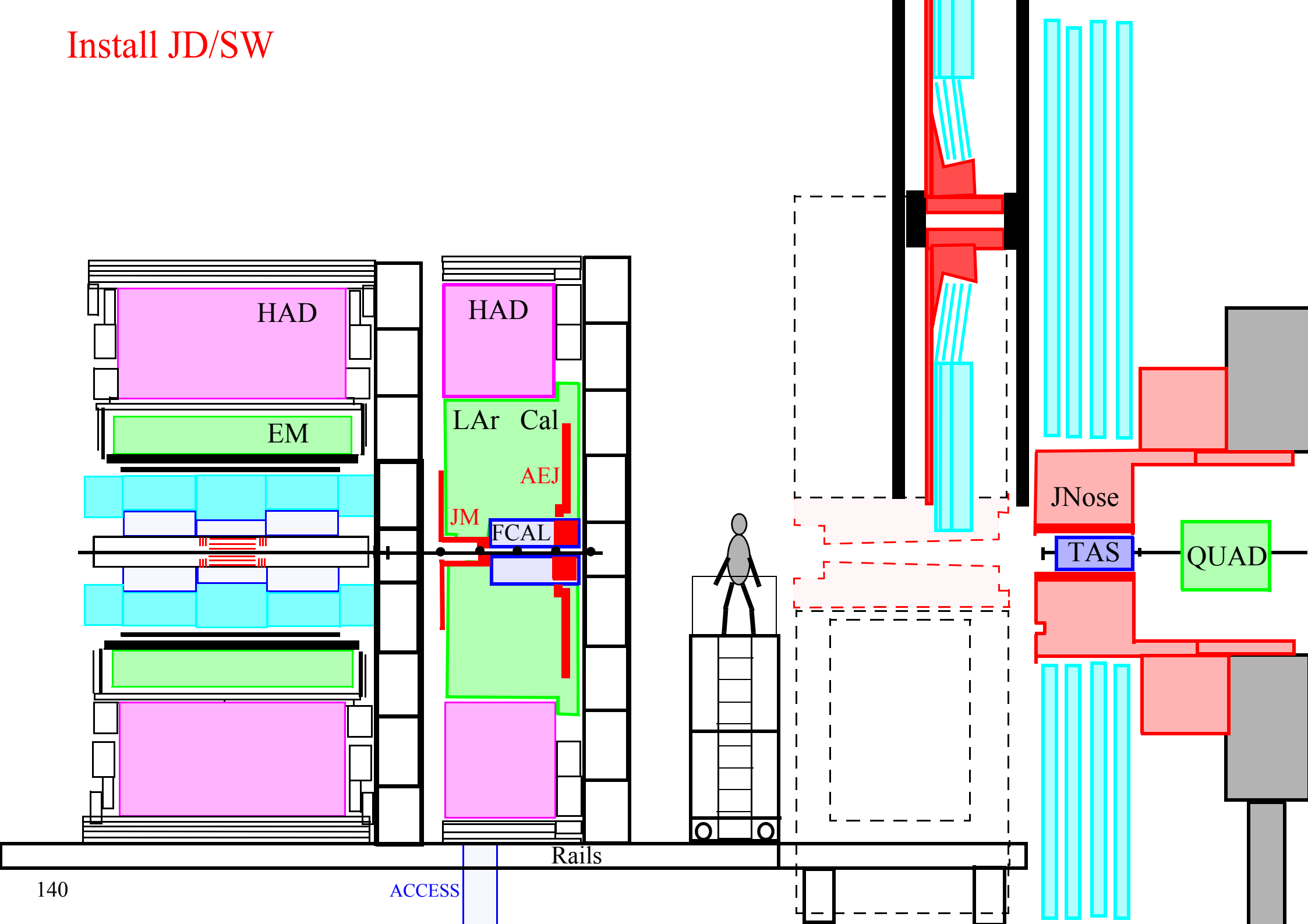
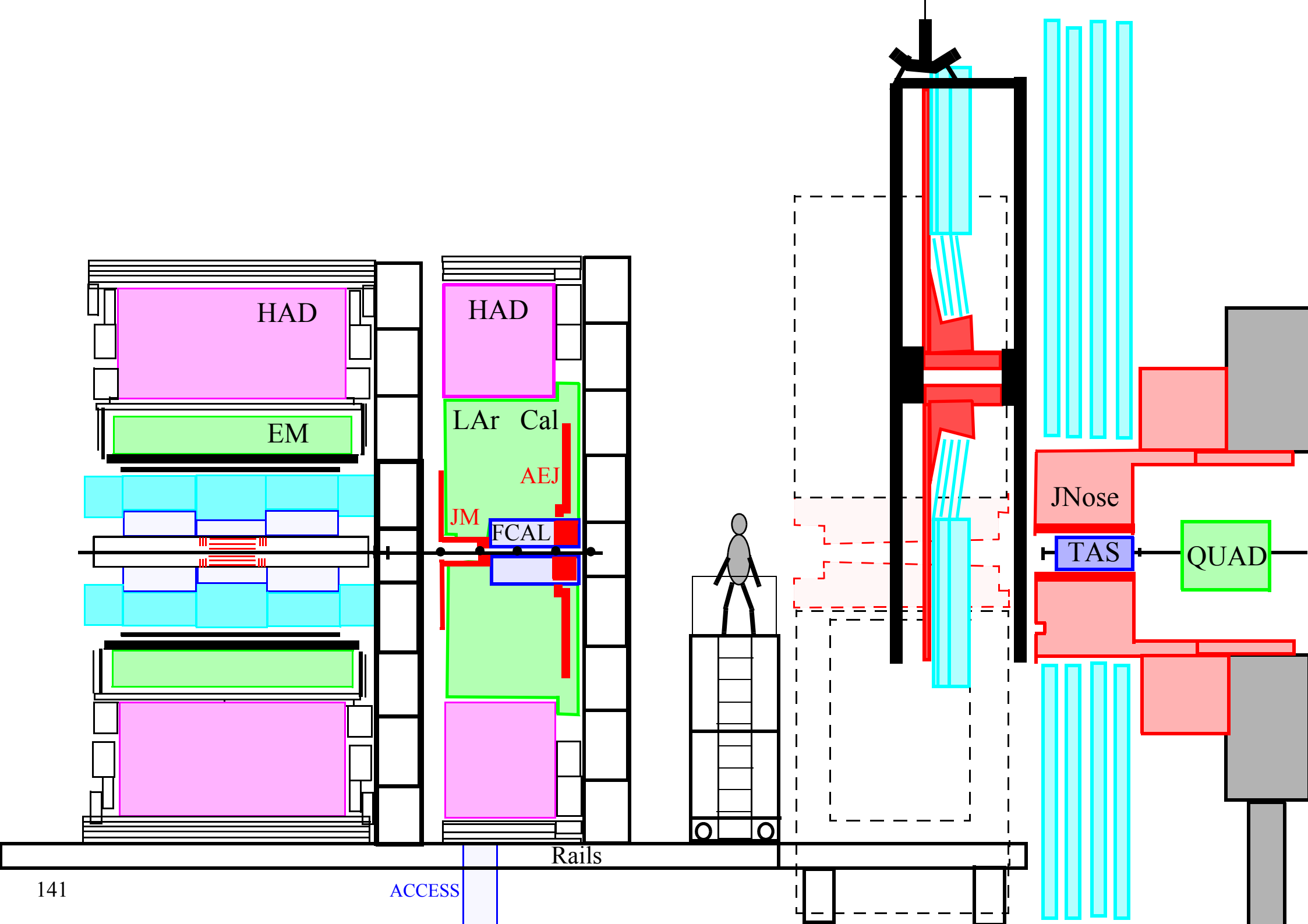
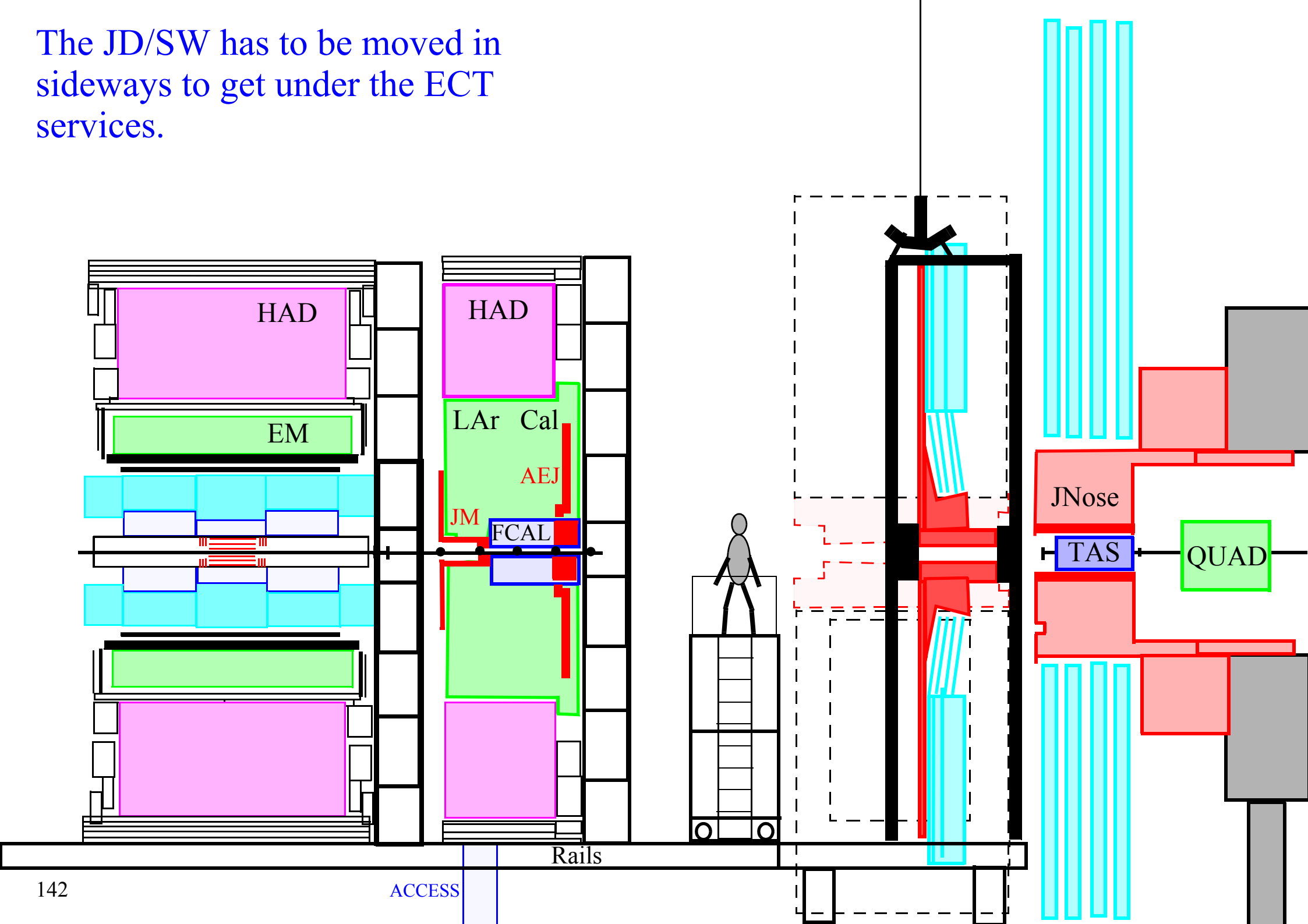
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

Install JD/SW

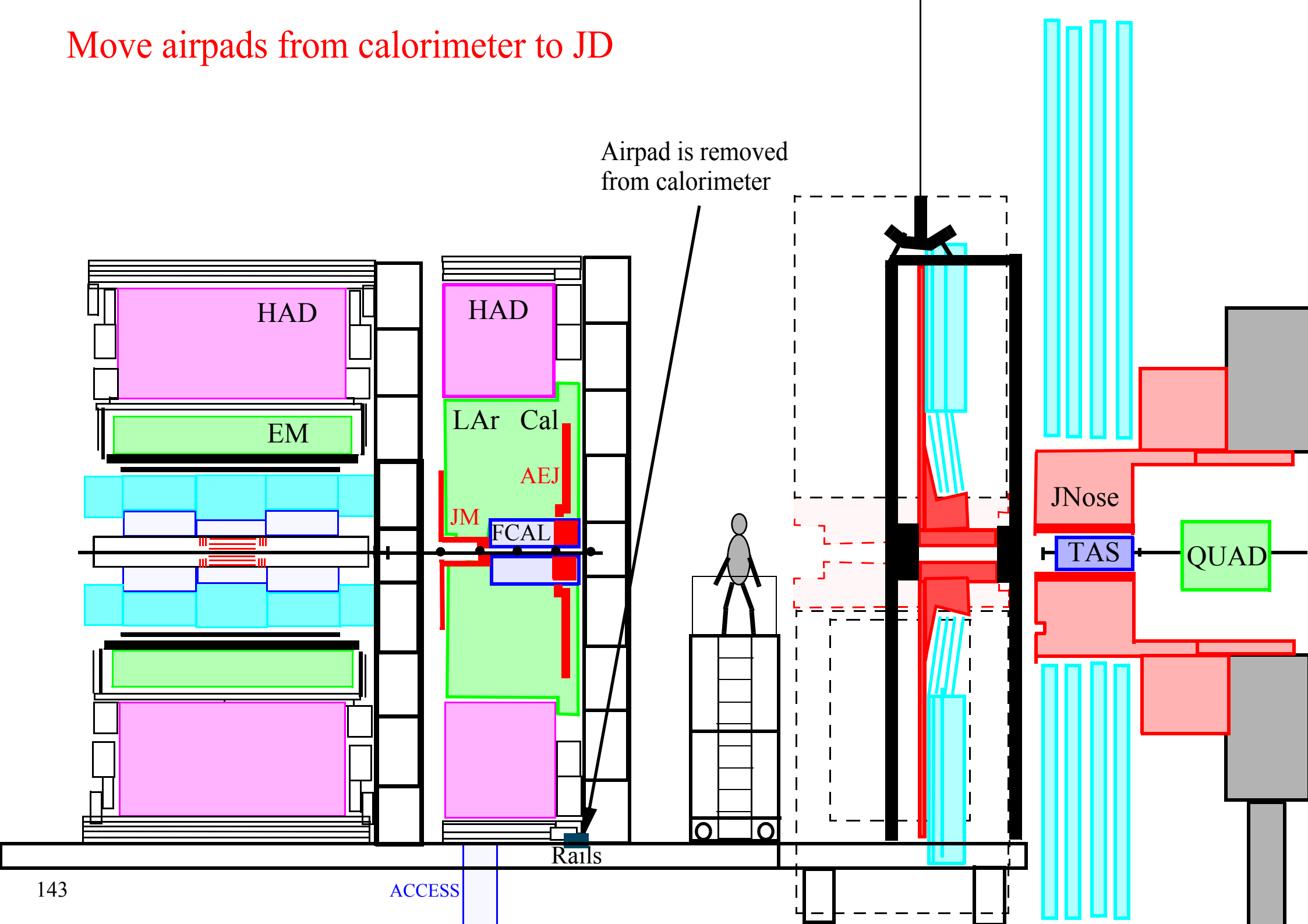


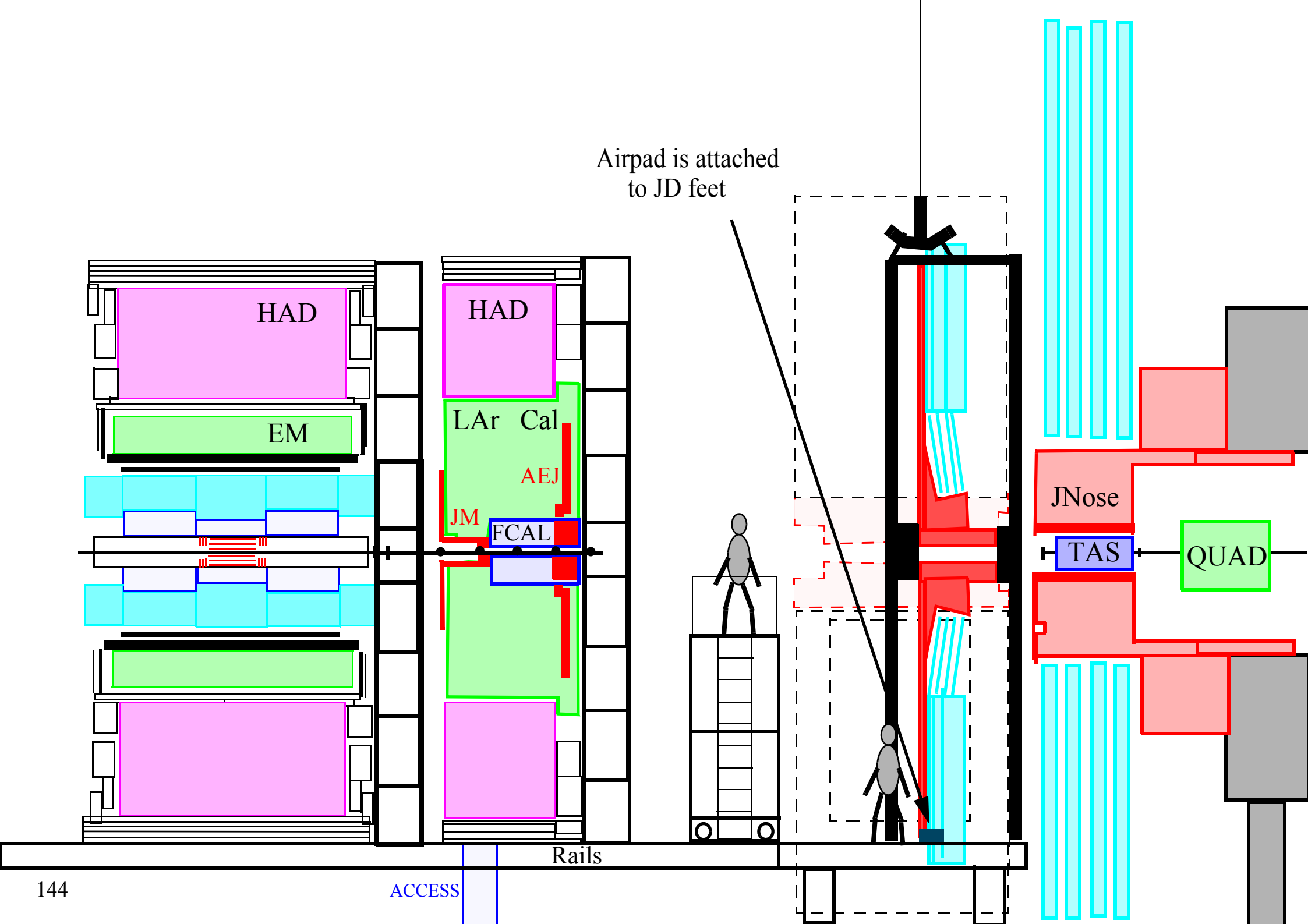

HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

The JD/SW has to be moved in sideways to get under the ECT services.

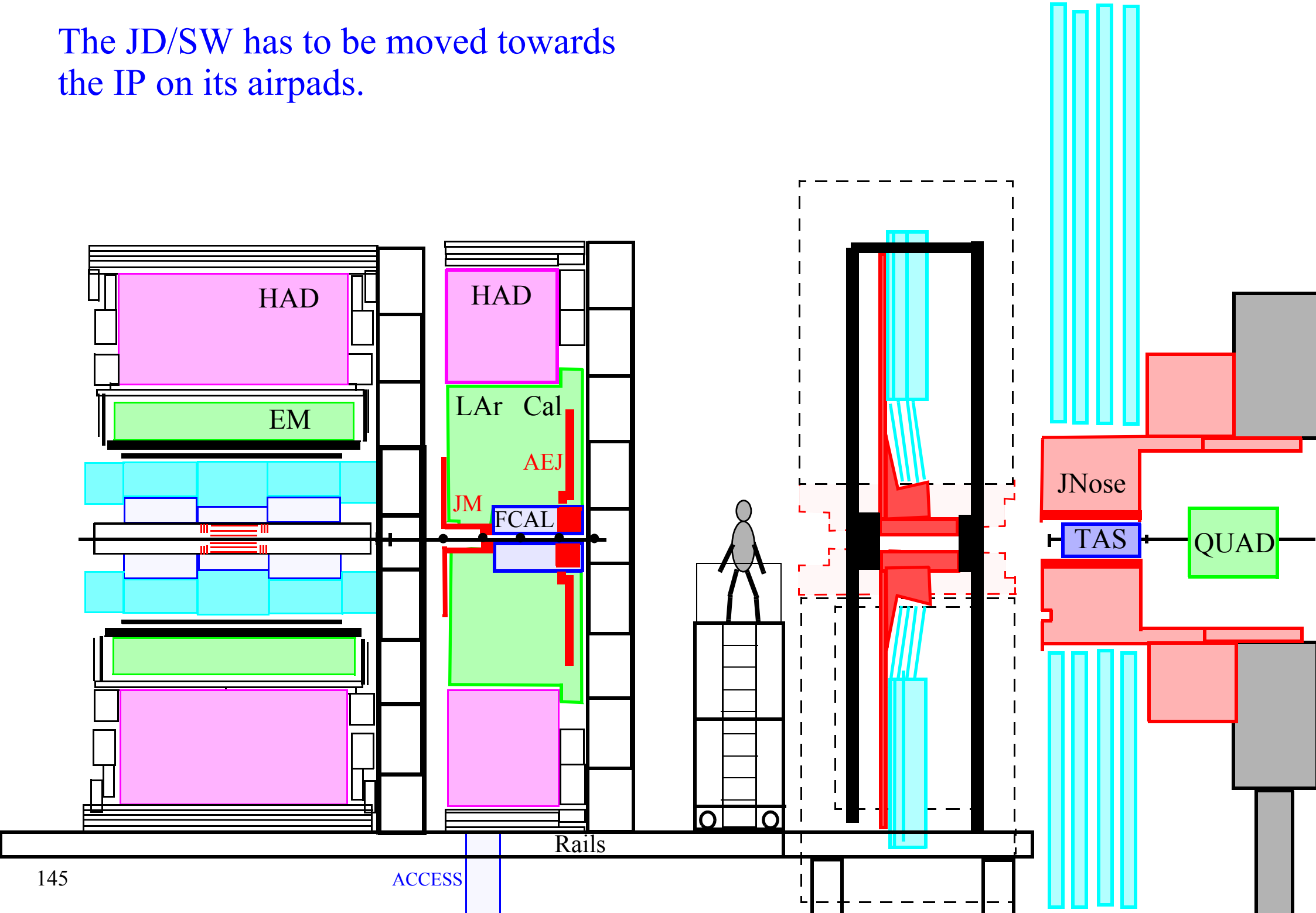


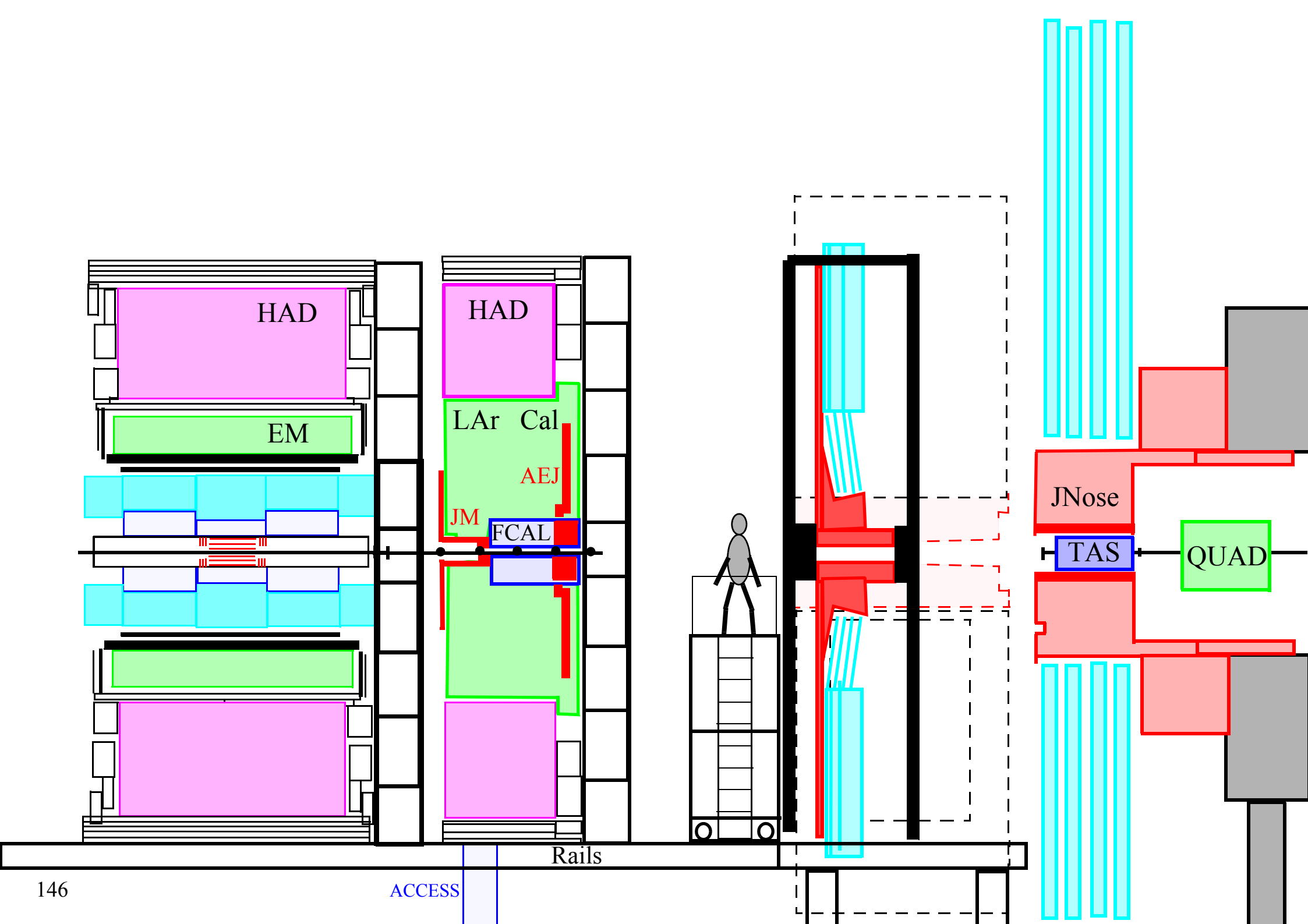
Move airpads from calorimeter to JD




Airpad is attached
to JD feet
HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

The JD/SW has to be moved towards the IP on its airpads.




HAD
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AEJ
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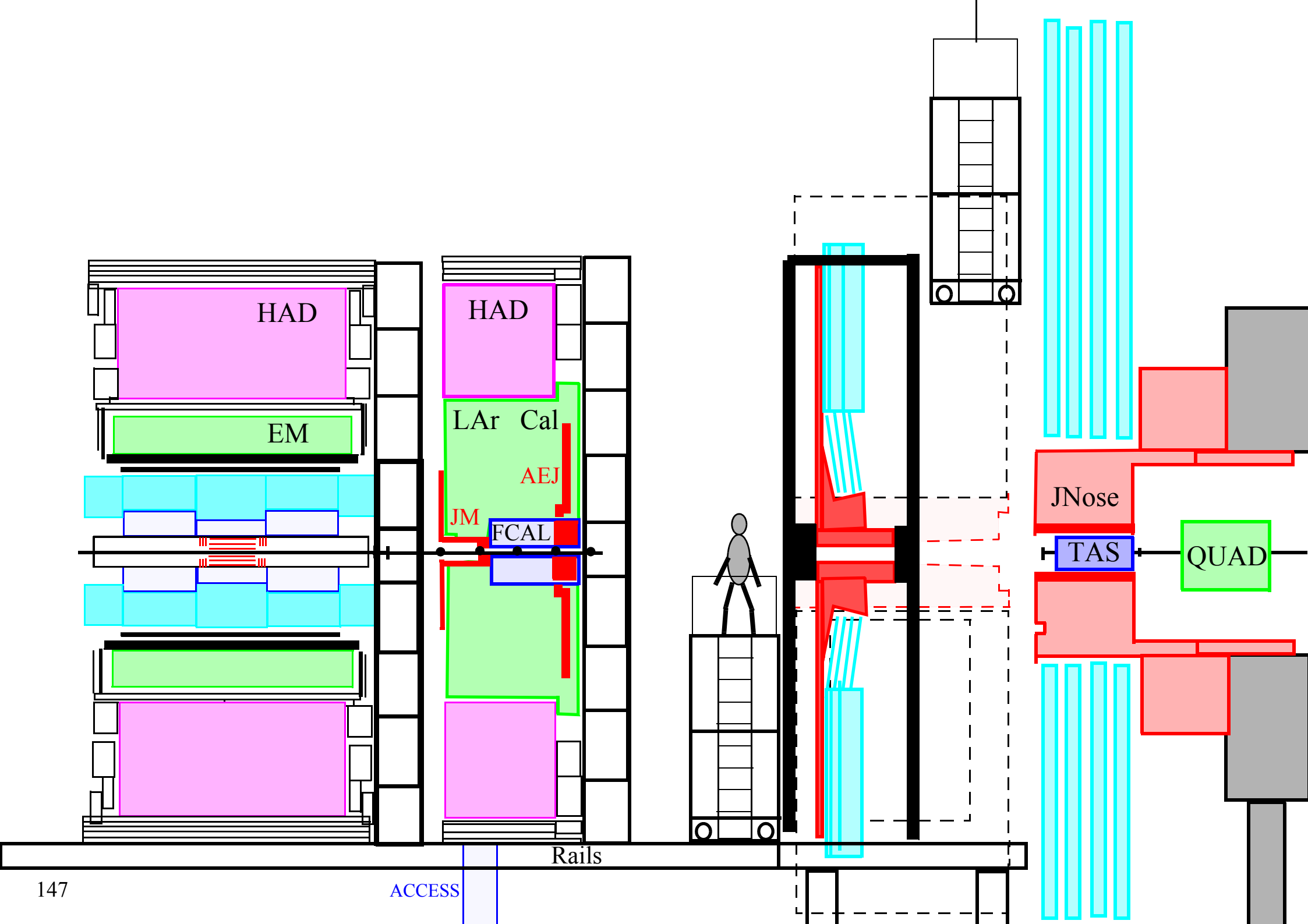
FCAL
JNose
TAS
QUAD
Rails
ACCESS


HAD
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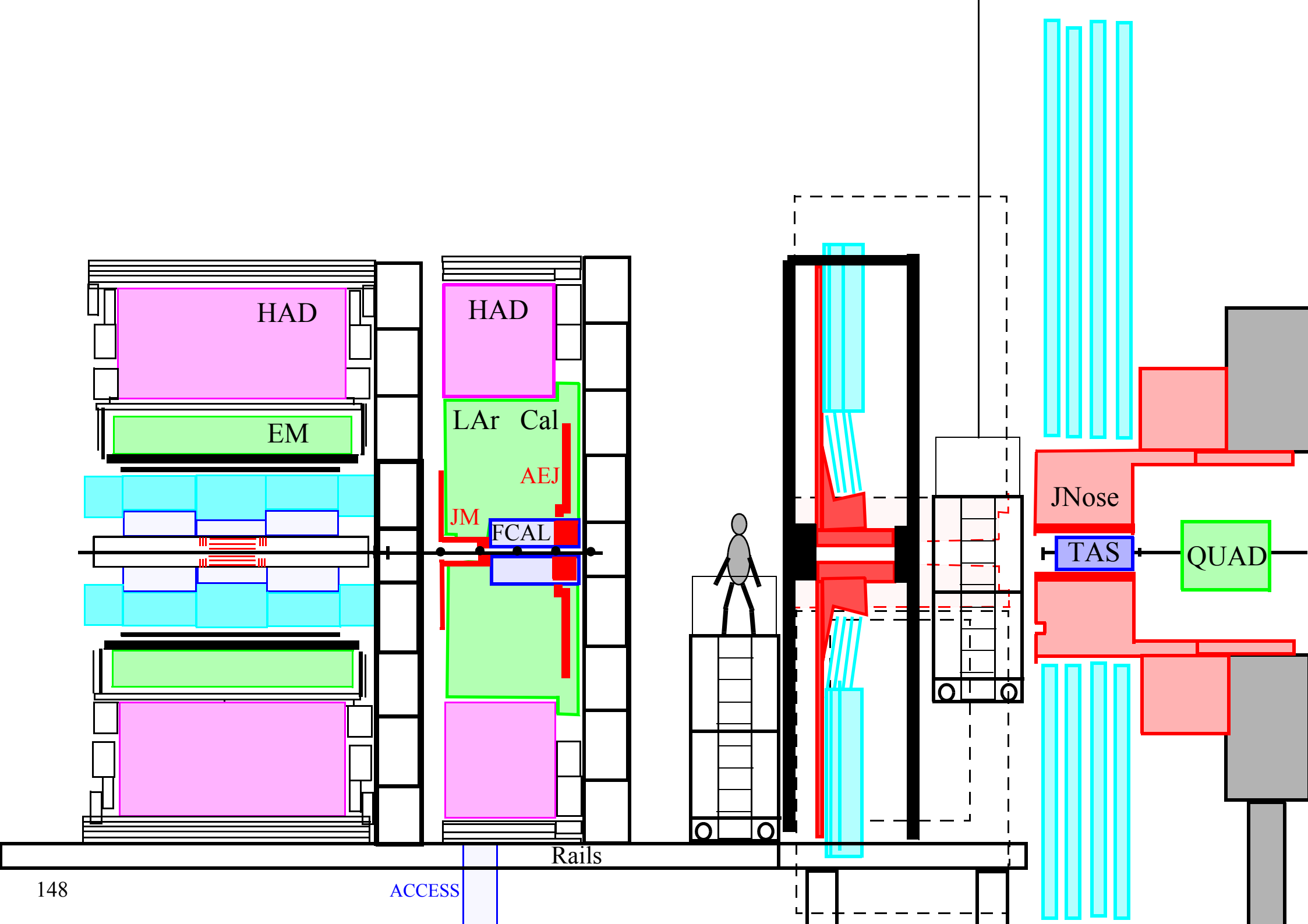
FCAL
JNose
TAS
QUAD
Rails
ACCESS


HAD
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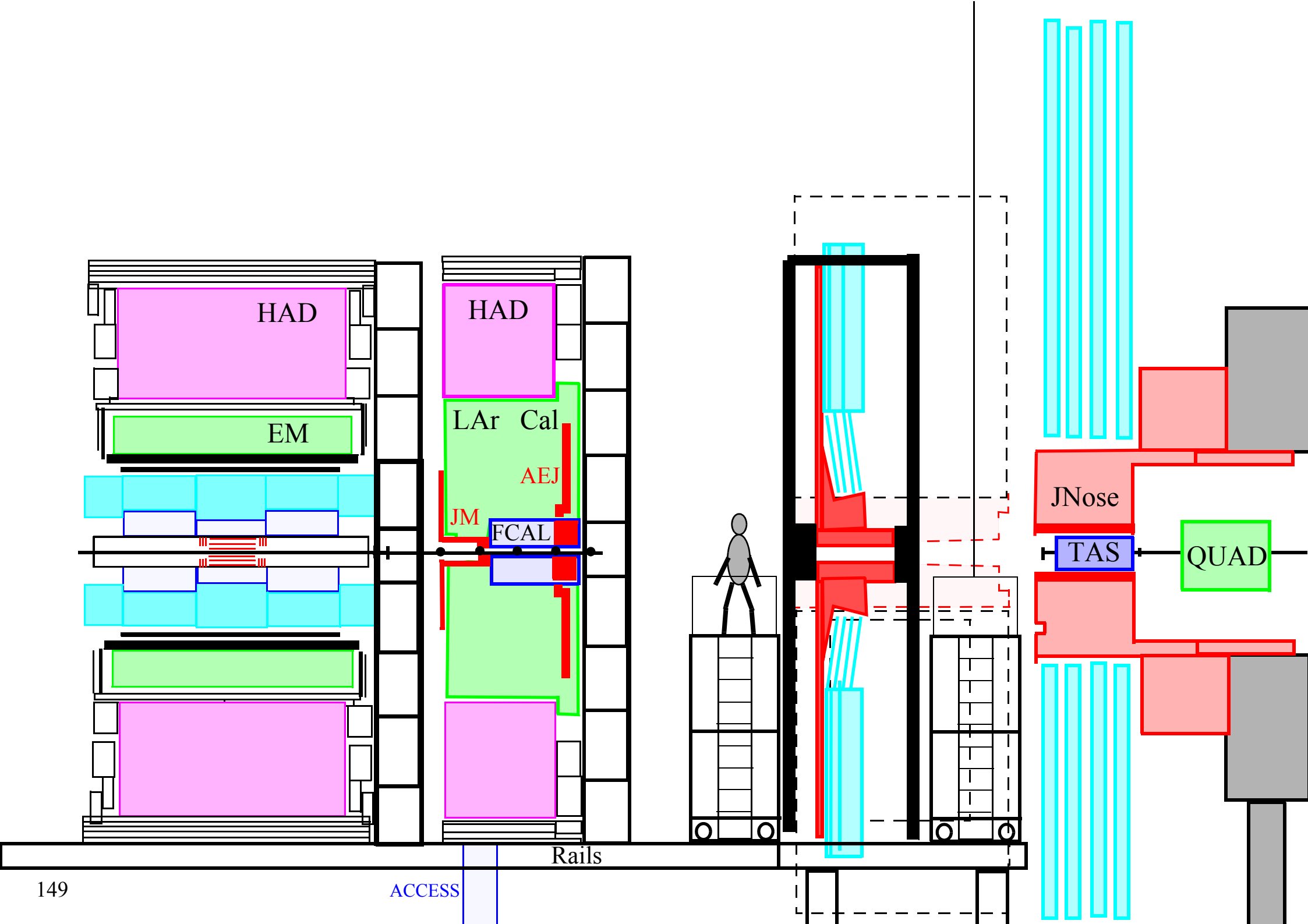
FCAL
JNose
TAS
QUAD
Rails
ACCESS


HAD
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FCAL
JNose
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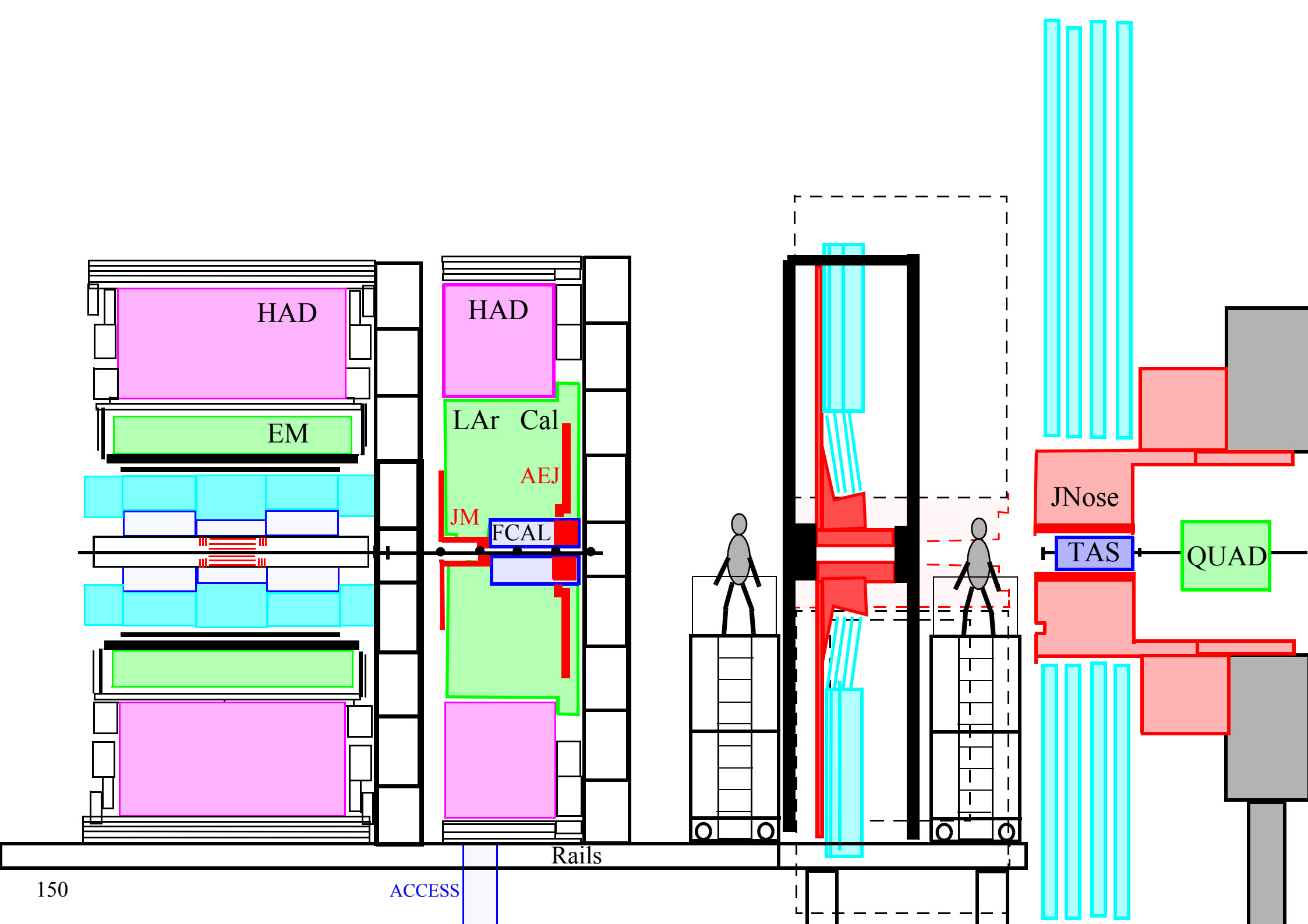
QUAD
Rails
ACCESS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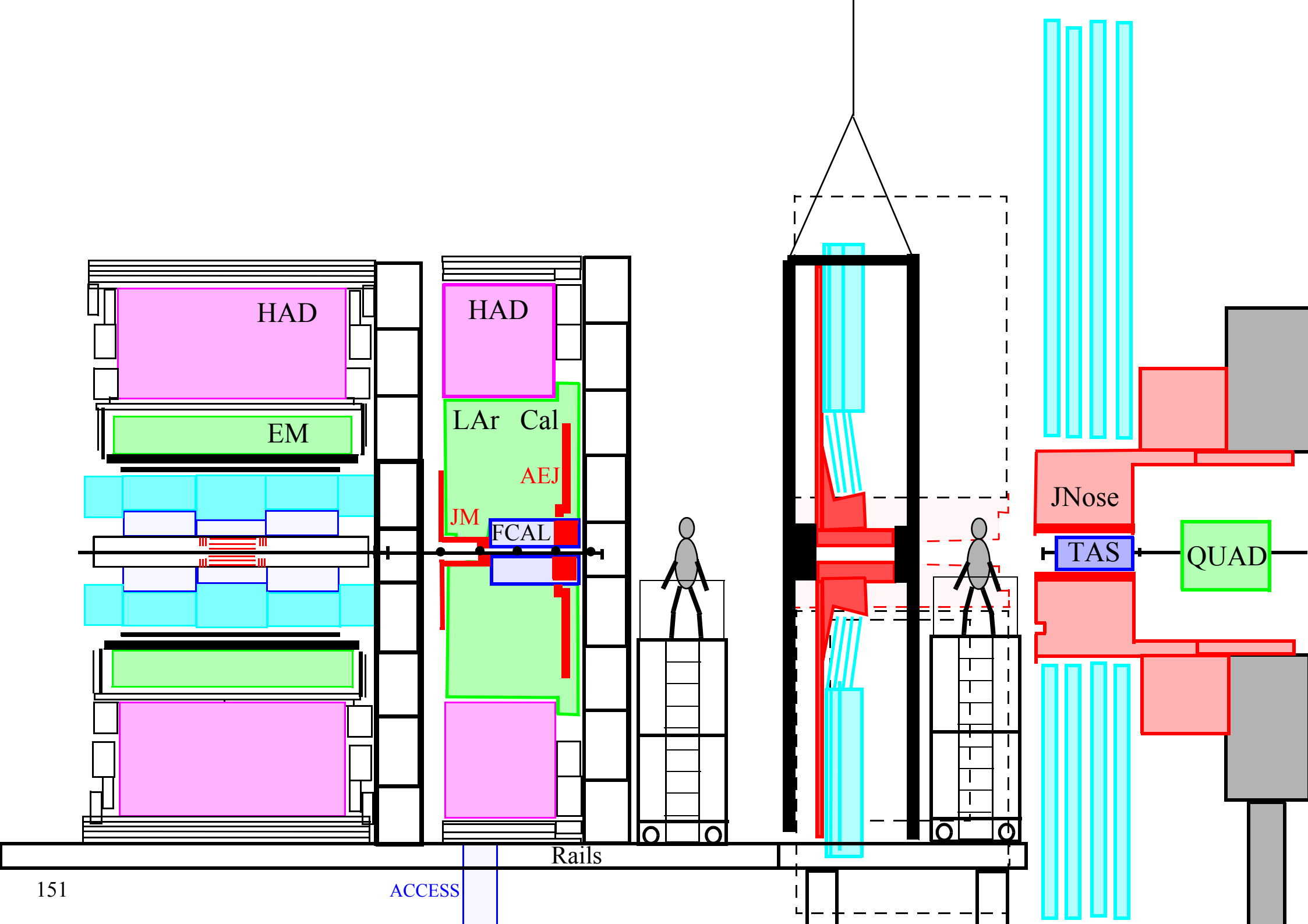
JNose
TAS
QUAD
Rails
ACCESS


HAD
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JNose
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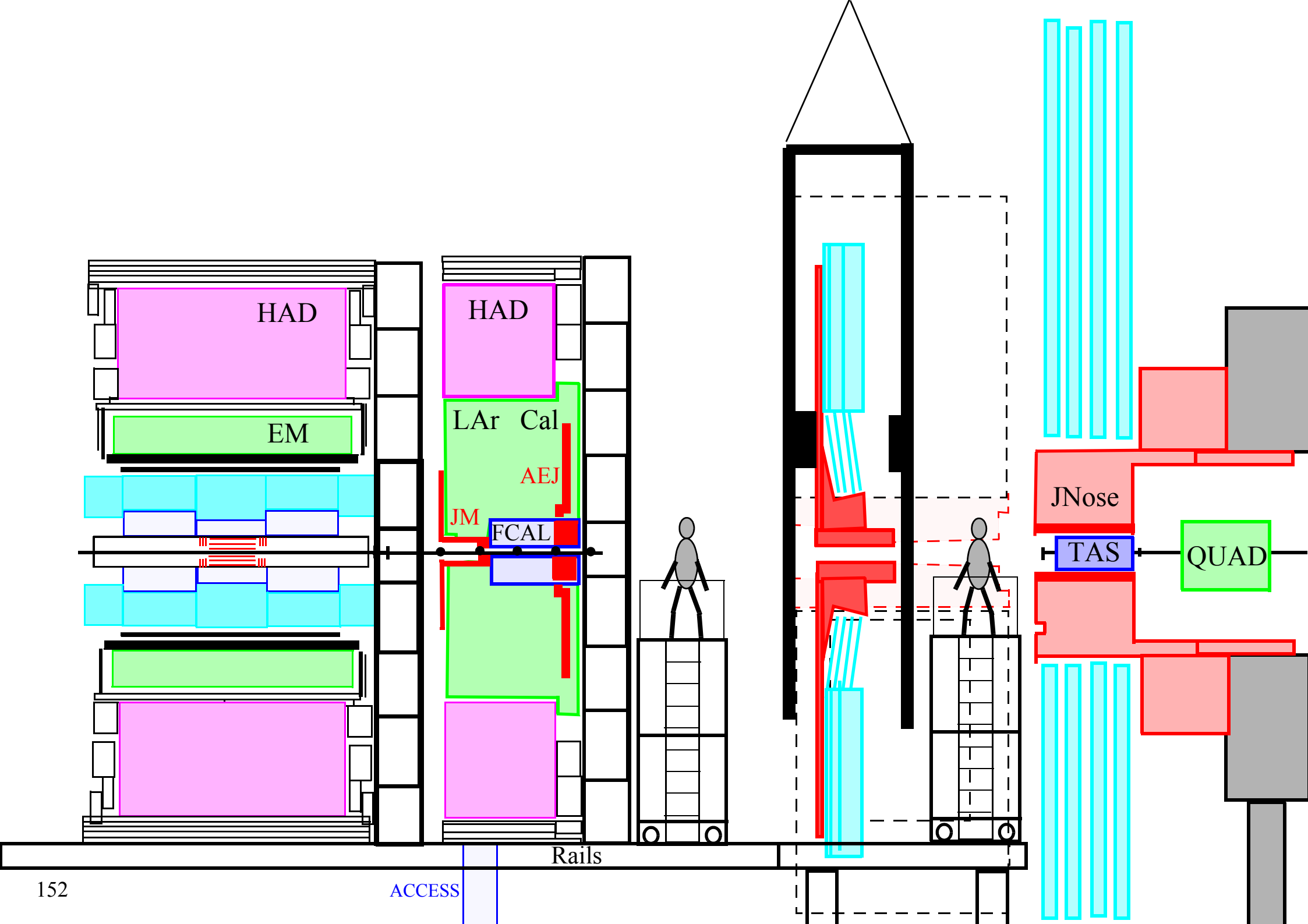
QUAD
Rails
ACCESS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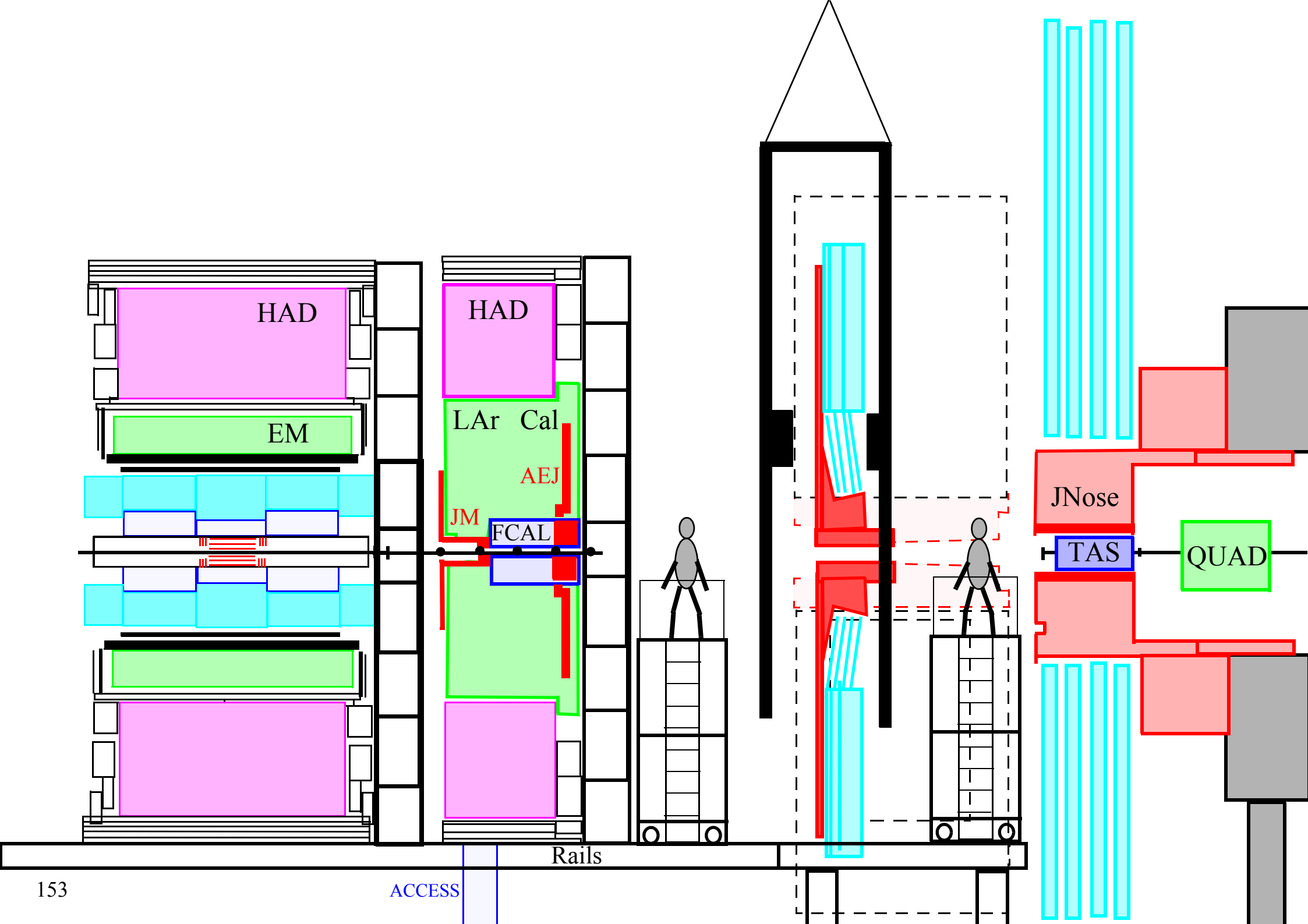
Rails
ACCESS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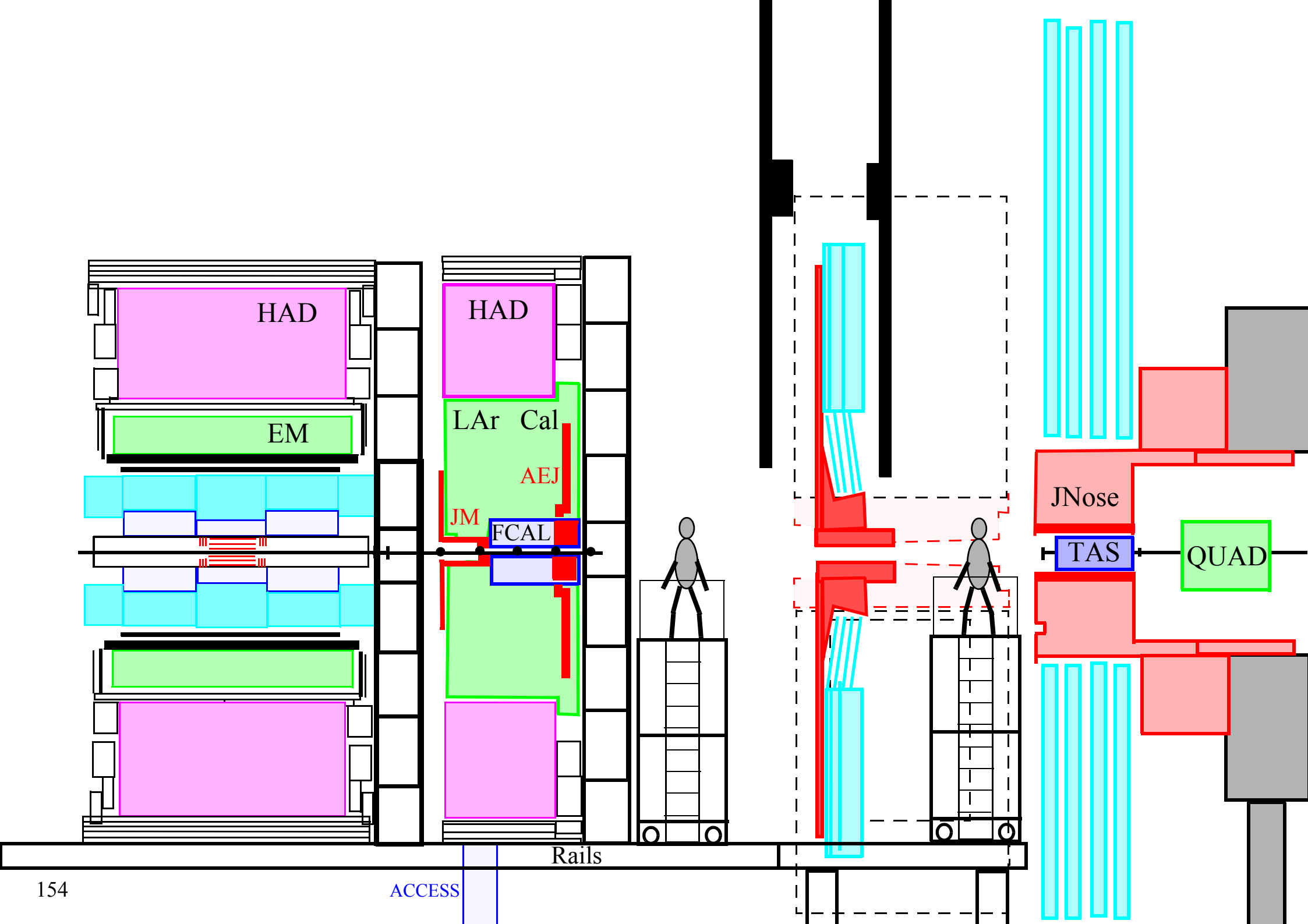
Rails
ACCESS


HAD
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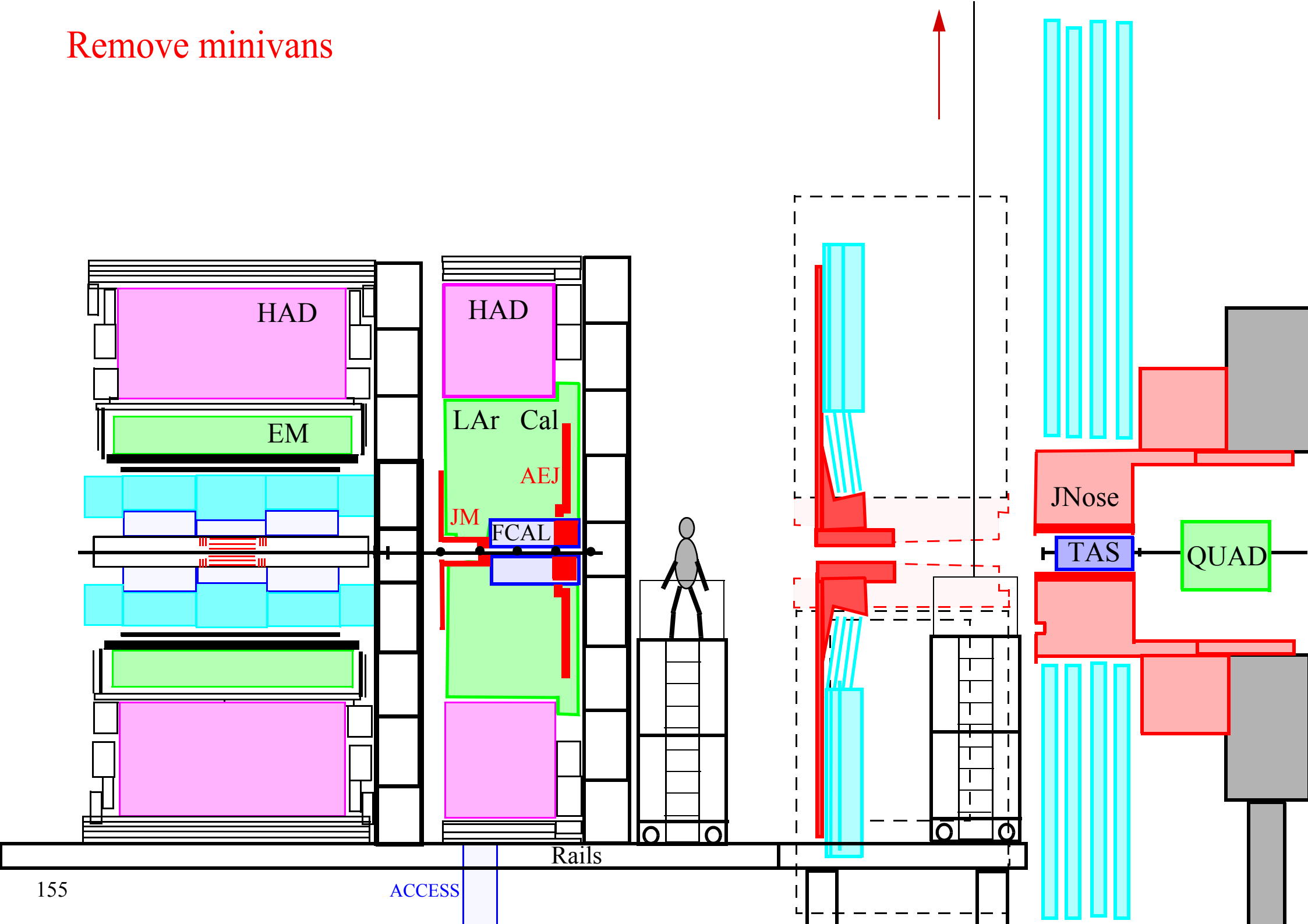
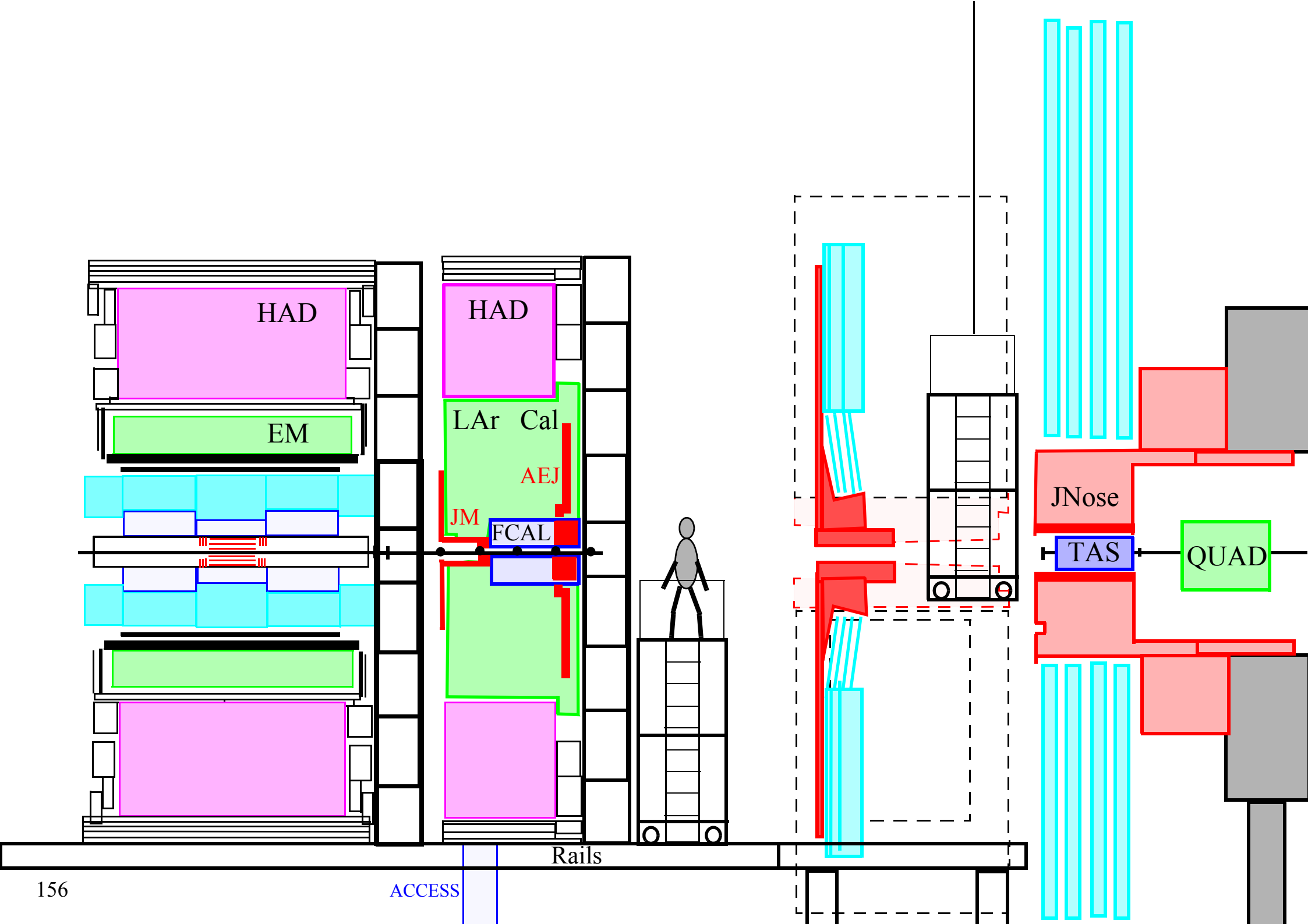
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

Remove minivans




HAD
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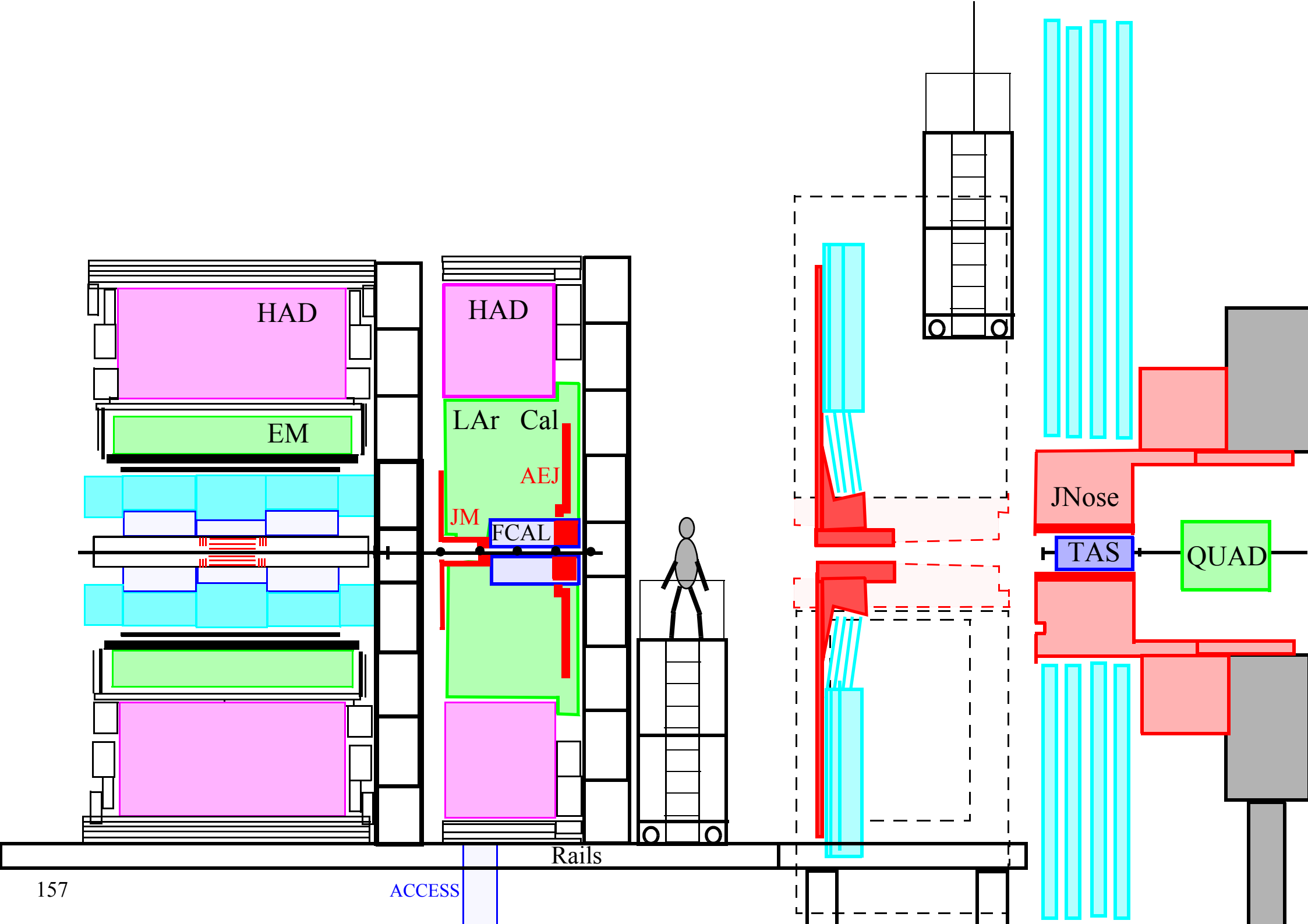
QUAD
Rails
ACCESS


HAD
EM
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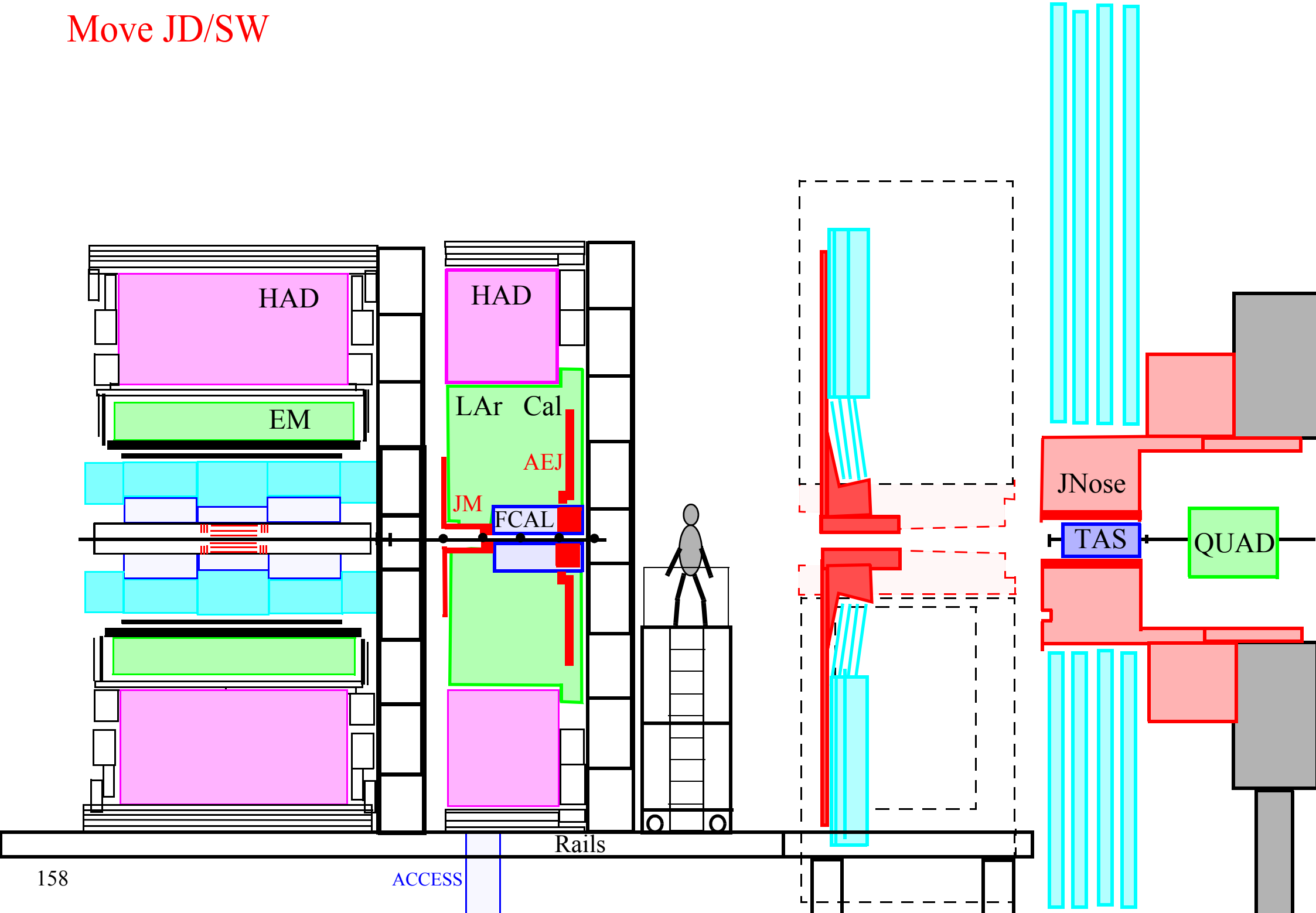
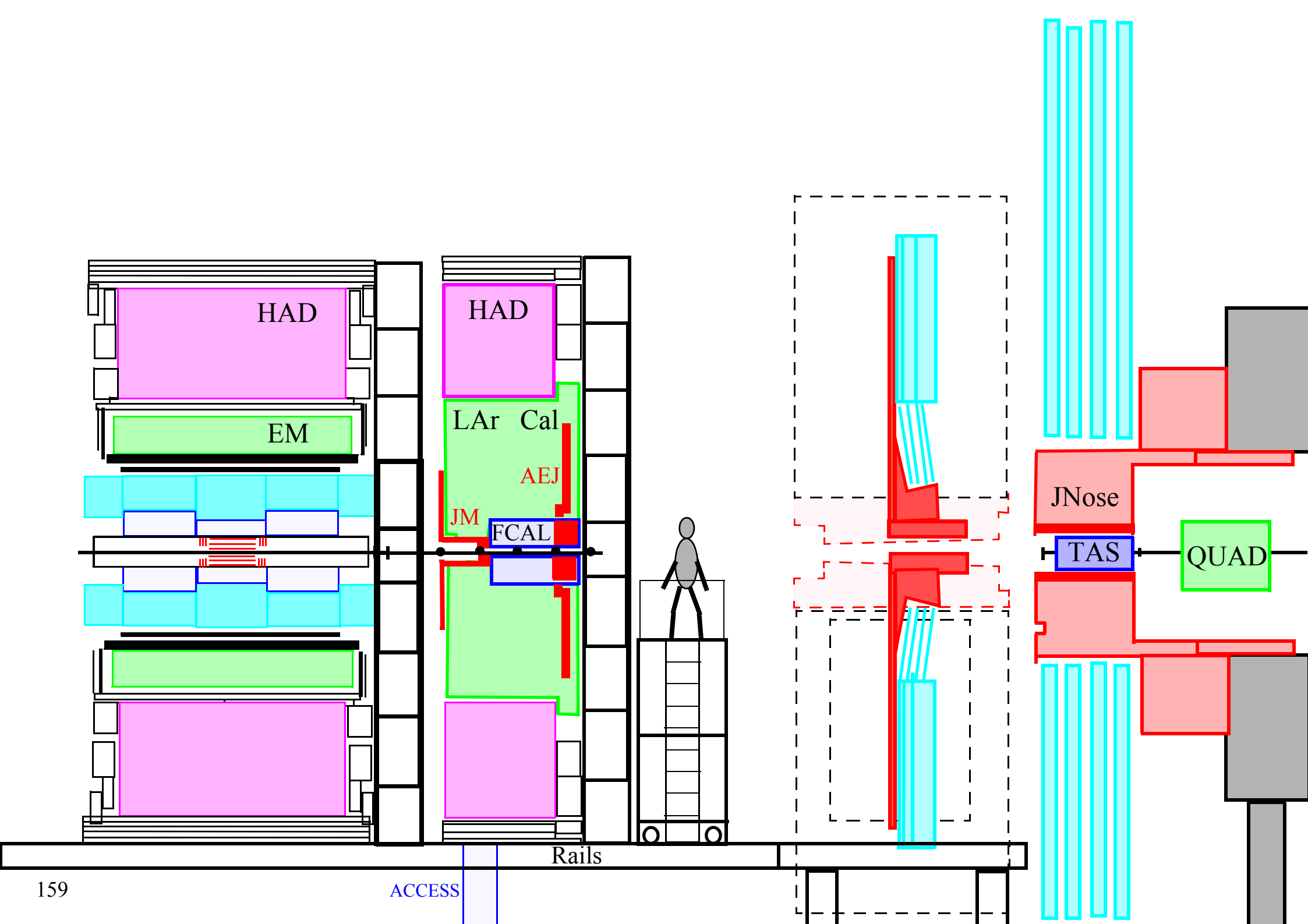
AEJ
JM
FCAL
JNose
TAS
QUAD
Rails
ACCESS

Move JD/SW




HAD
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TAS
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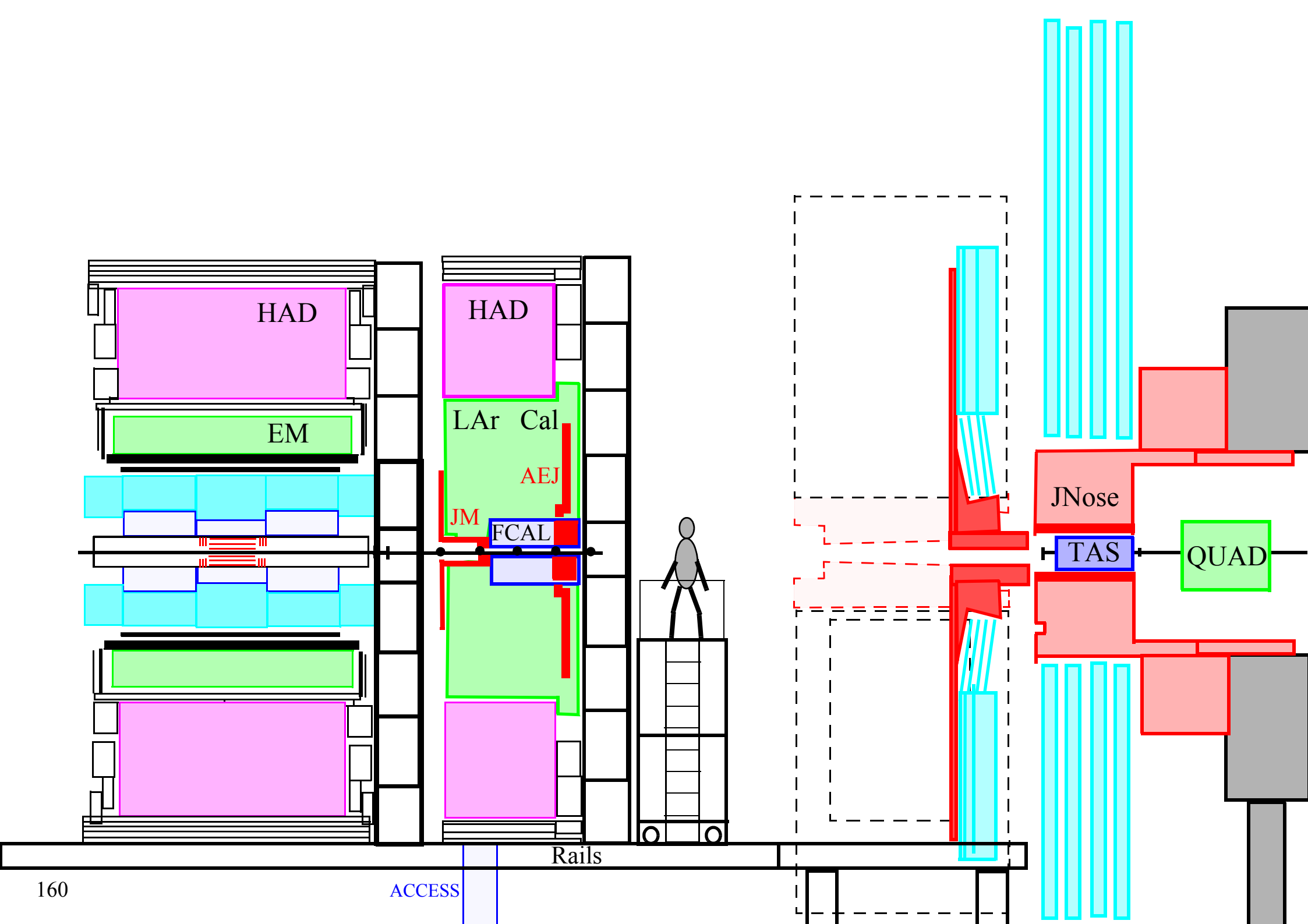
Rails
ACCESS


HAD
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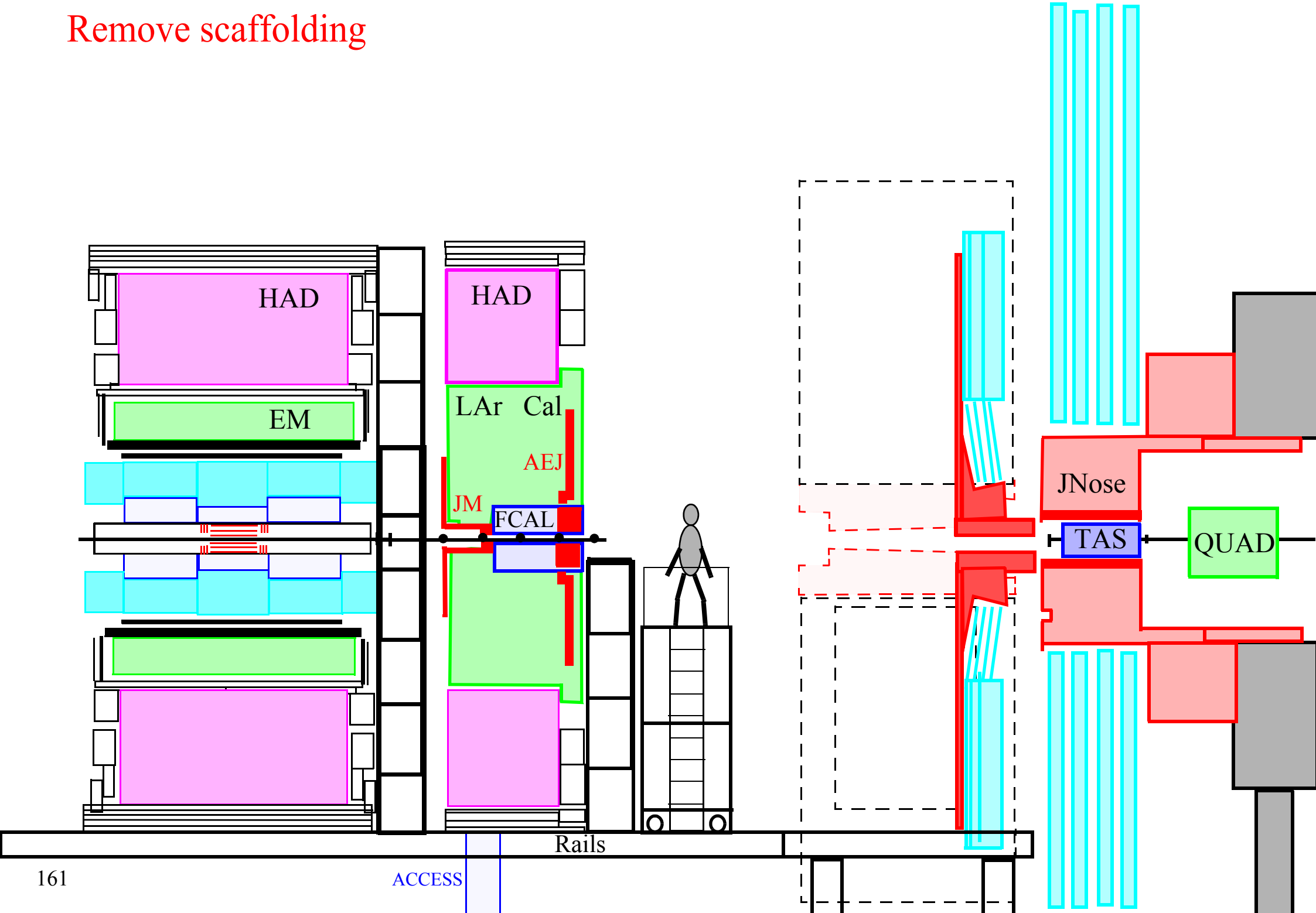
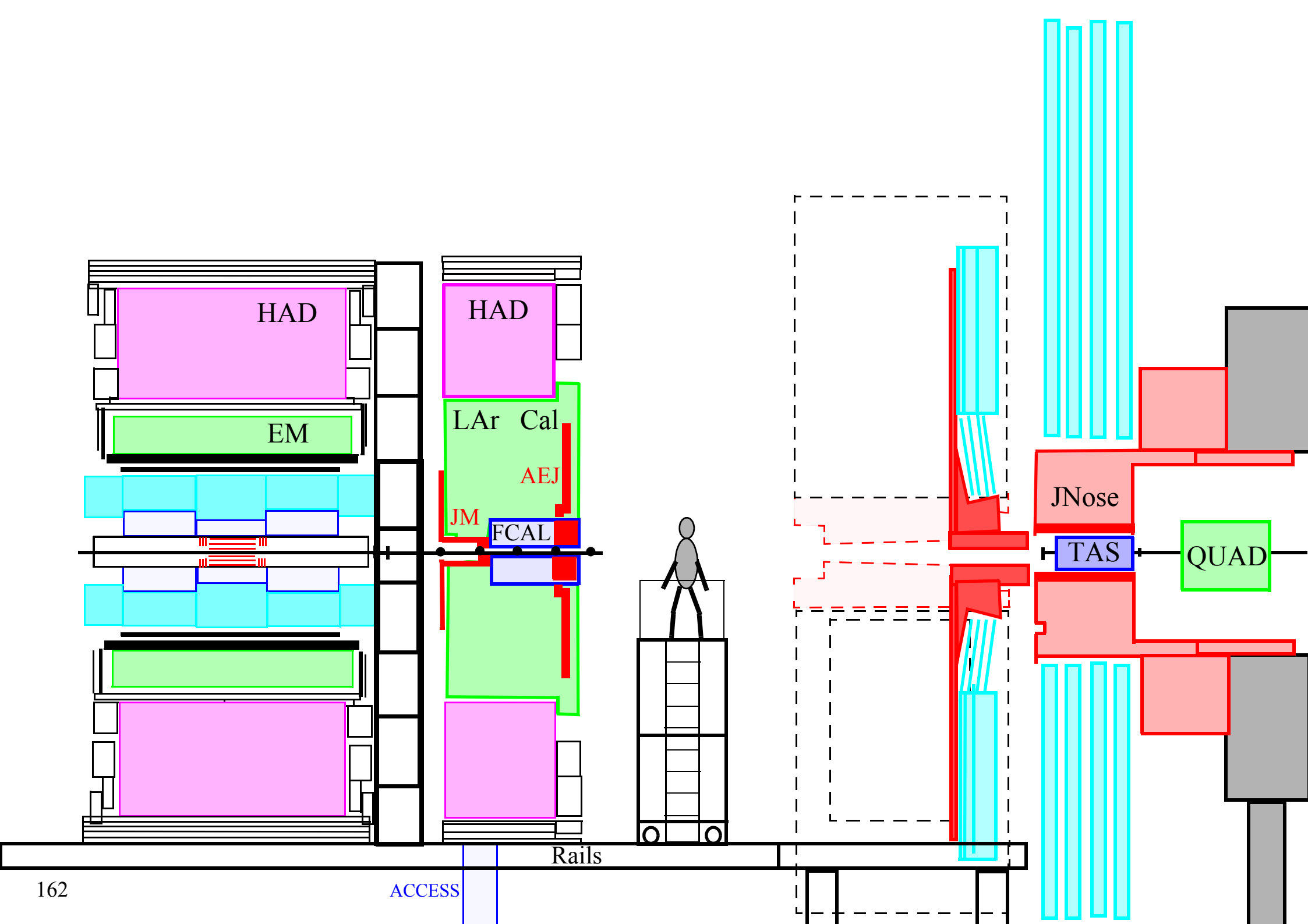
FCAL
JNose
TAS
QUAD
Rails
ACCESS

Remove scaffolding




HAD
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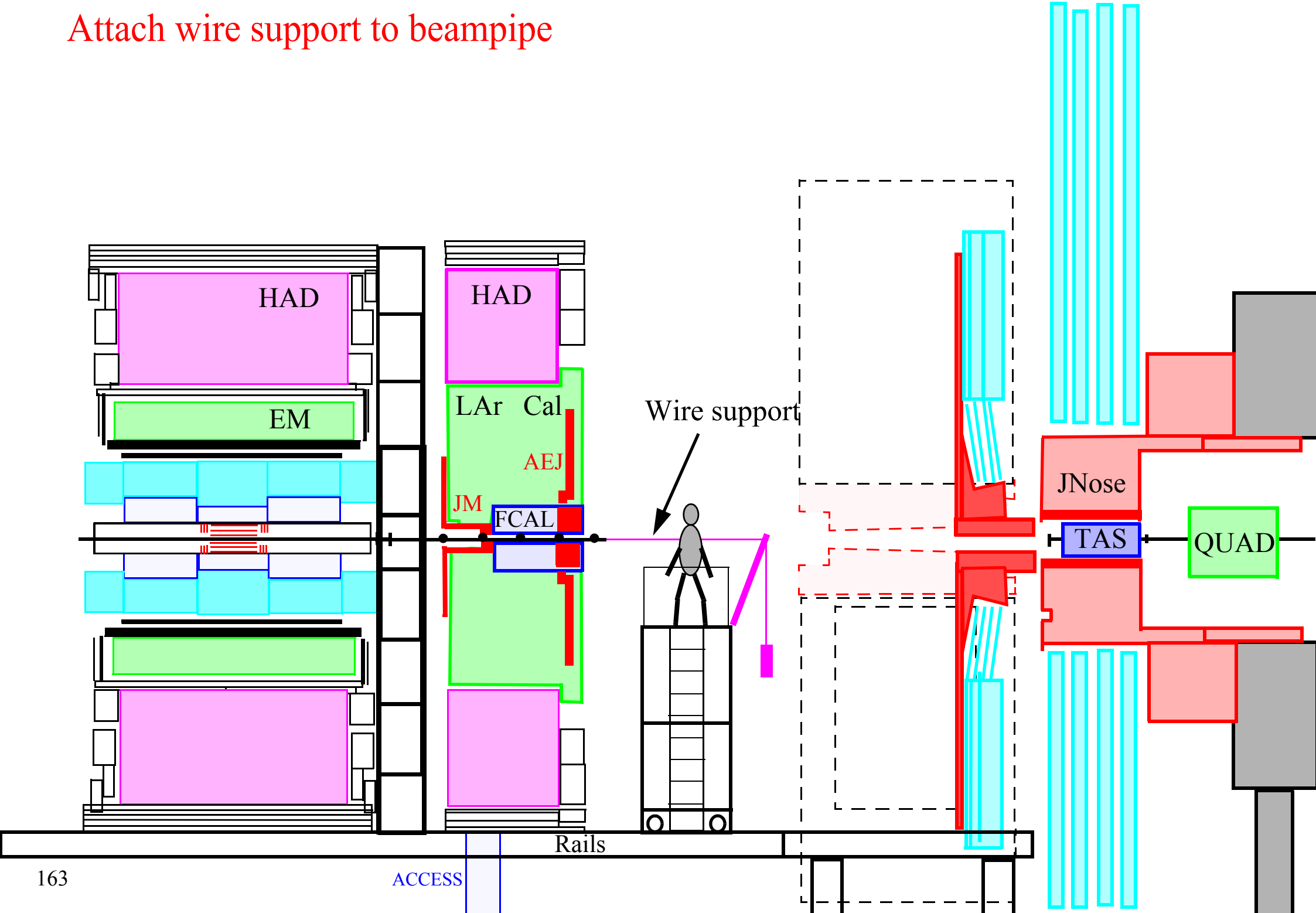
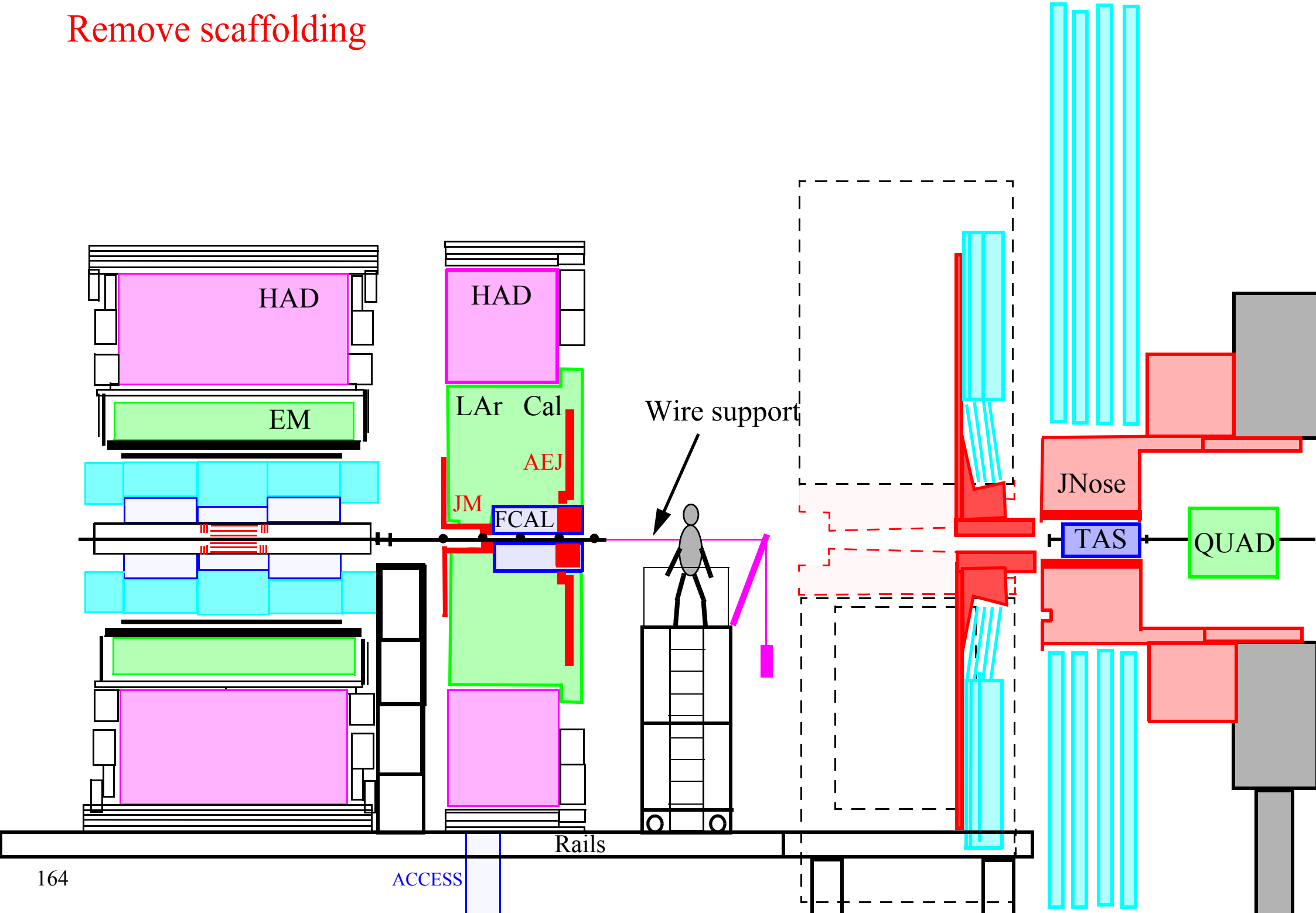
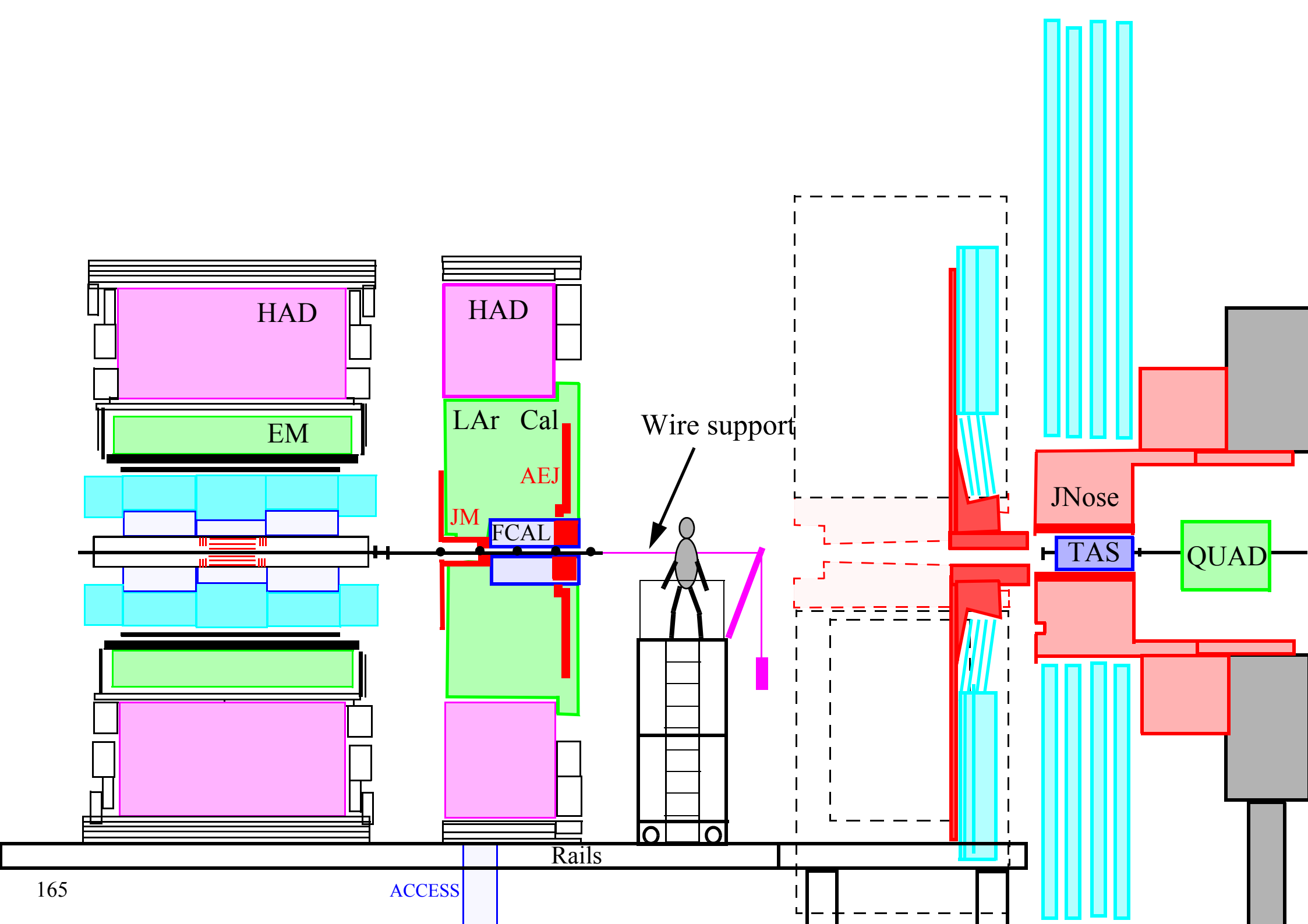
FCAL
JNose
TAS
QUAD
Rails
ACCESS

Attach wire support to beampipe

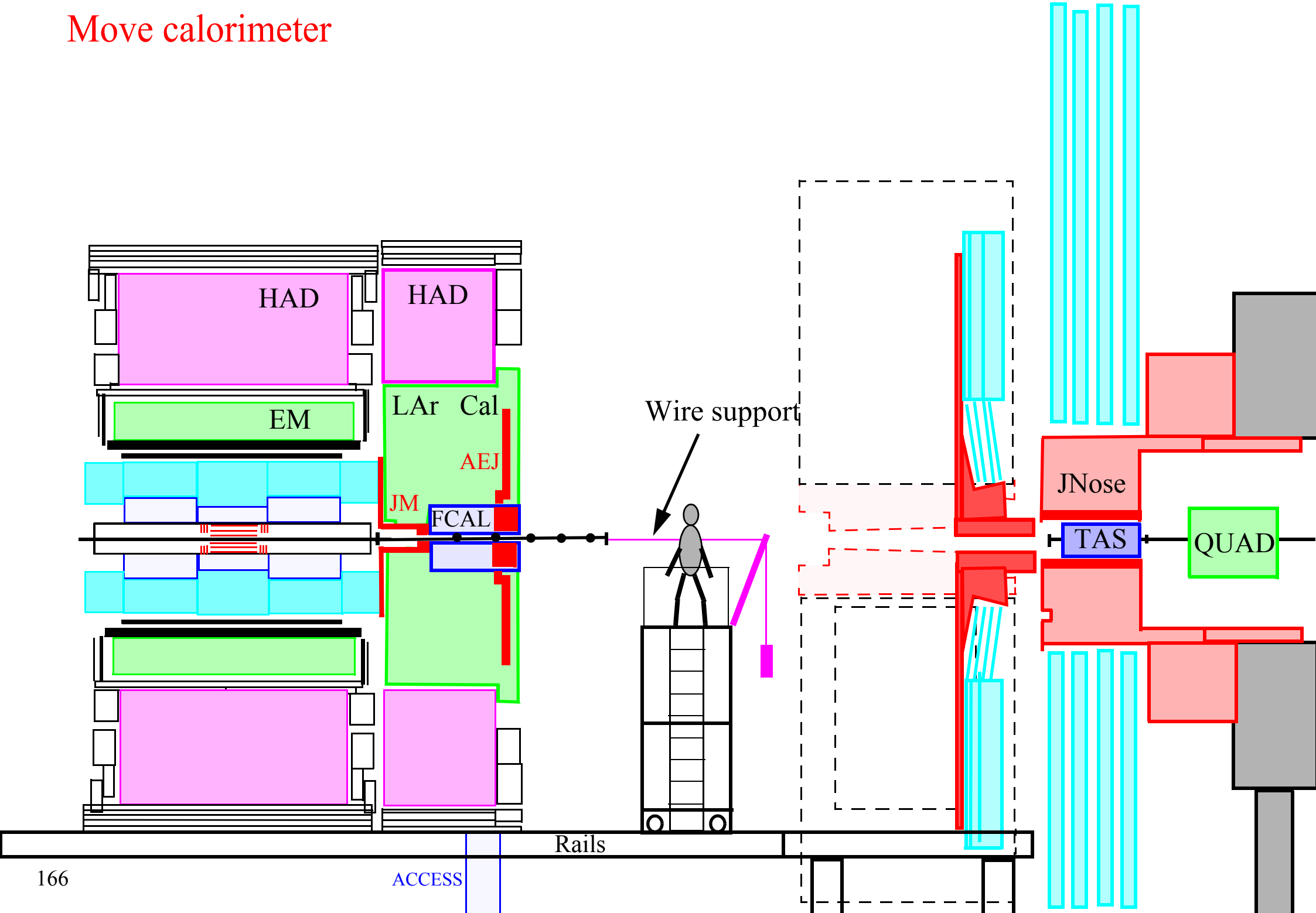


Remove scaffolding

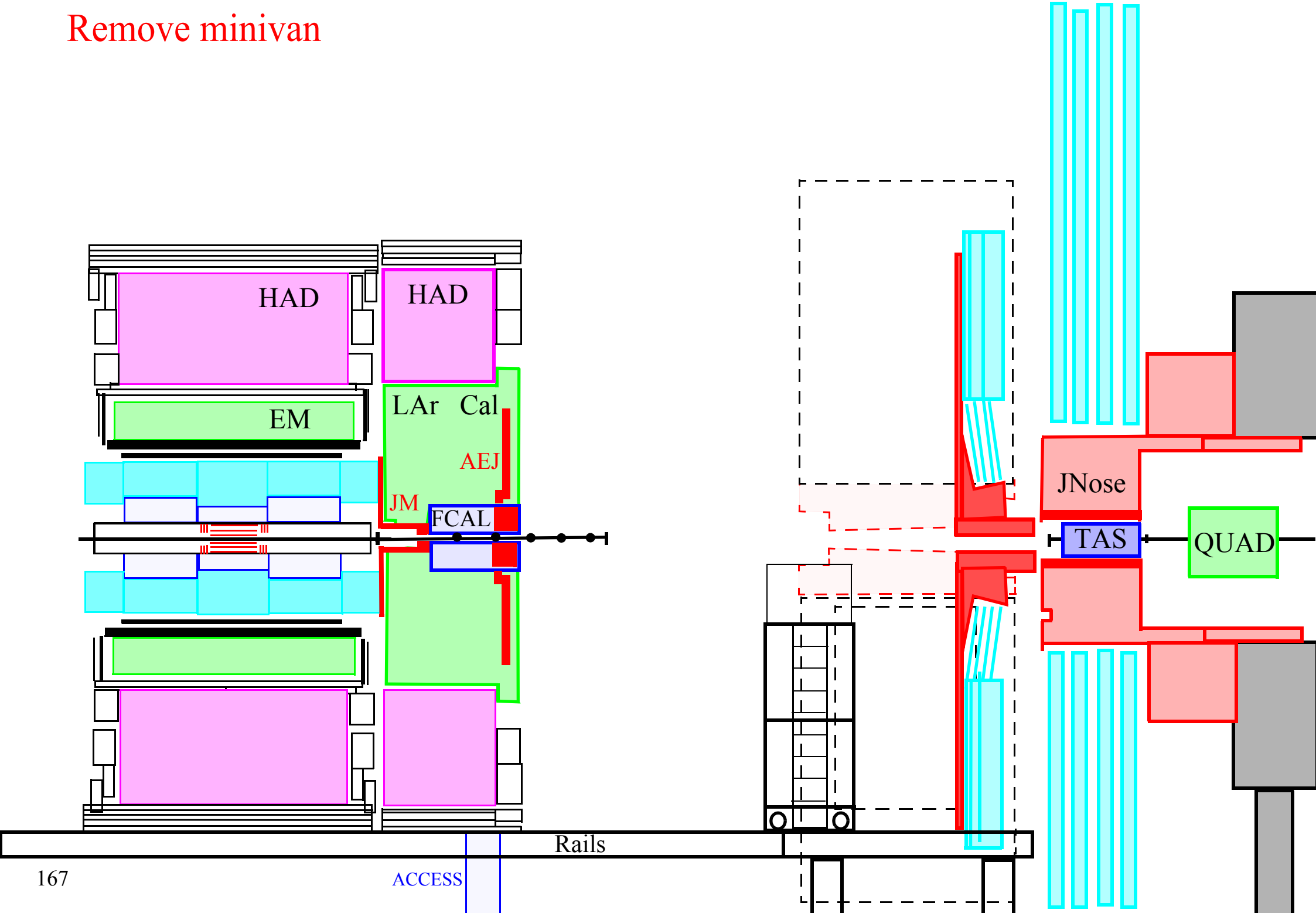


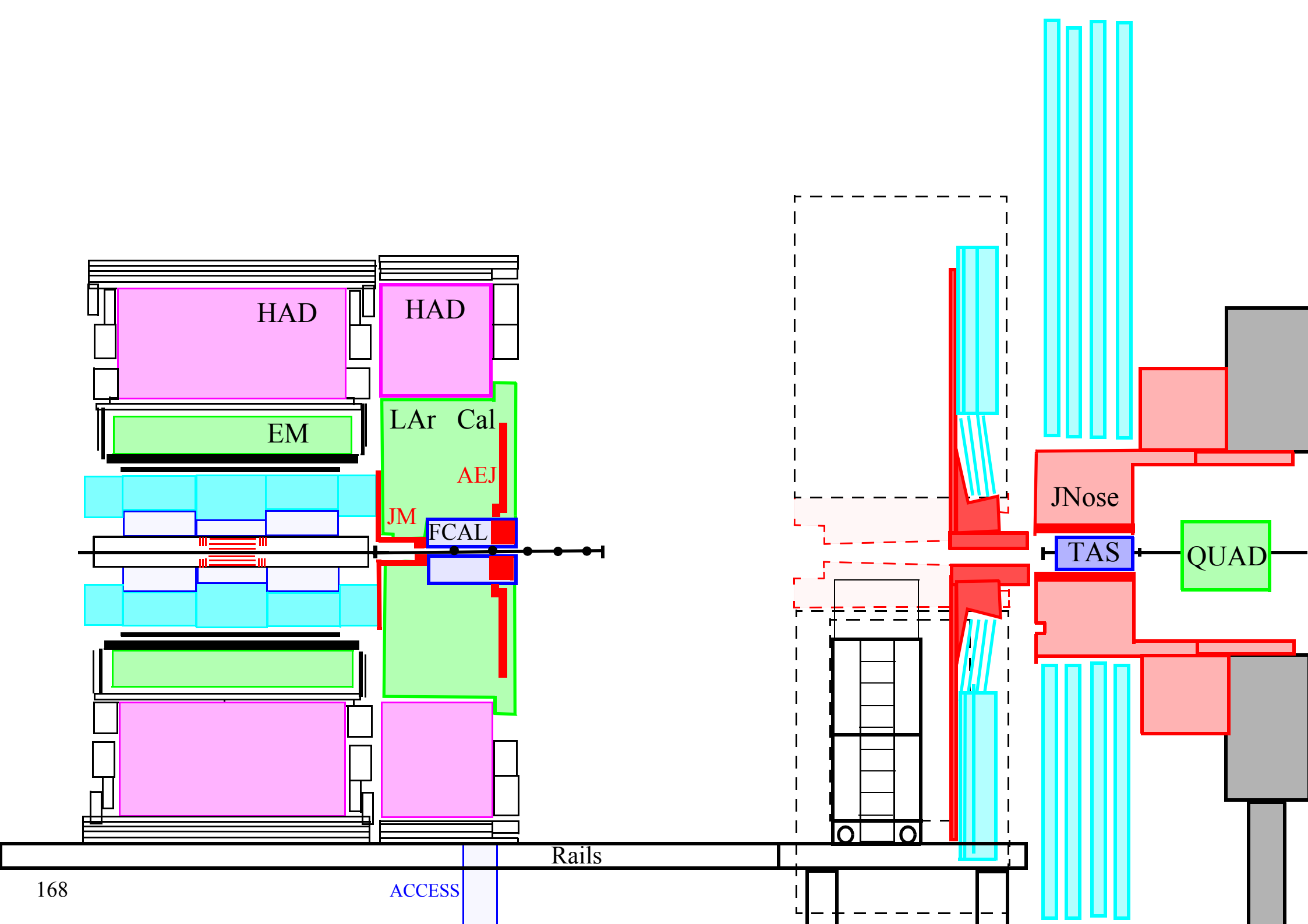

HAD
EM
HAD
LAr Cal
AEJ
JM
FCAL
Wire support
JNose
TAS
QUAD
Rails
ACCESS

Move calorimeter



Remove minivan




HAD
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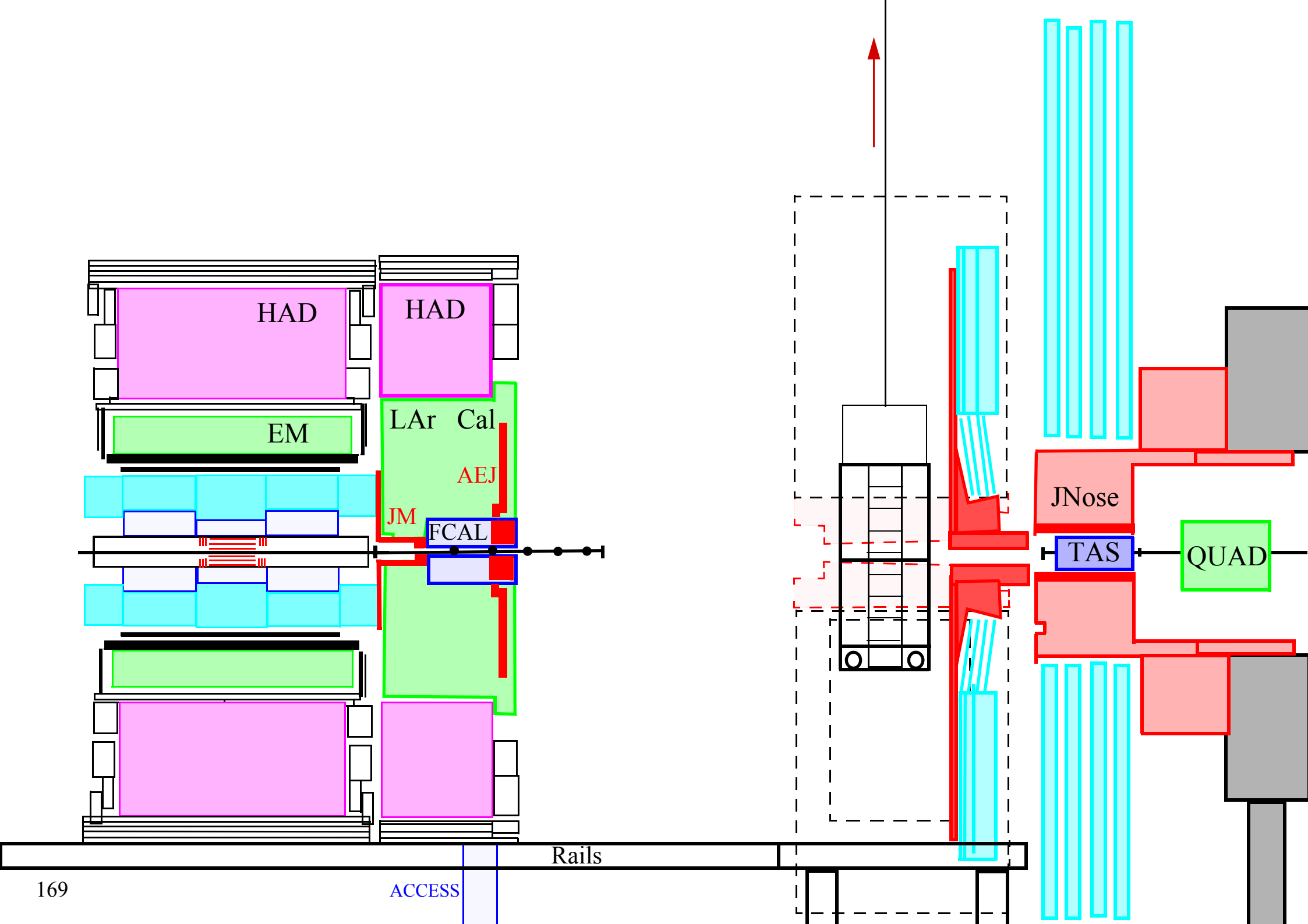
QUAD
Rails
ACCESS


HAD
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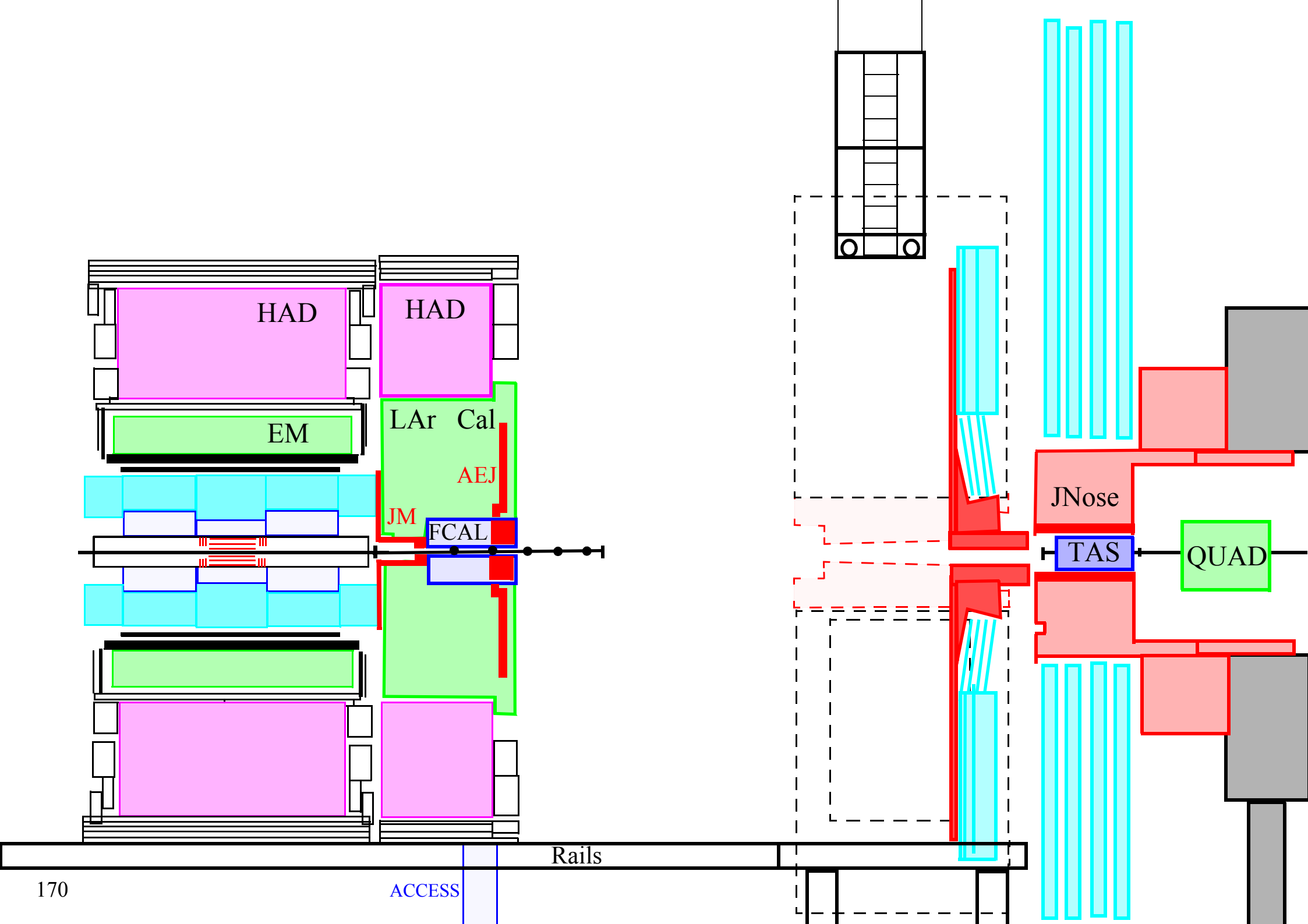
Rails
ACCESS


HAD
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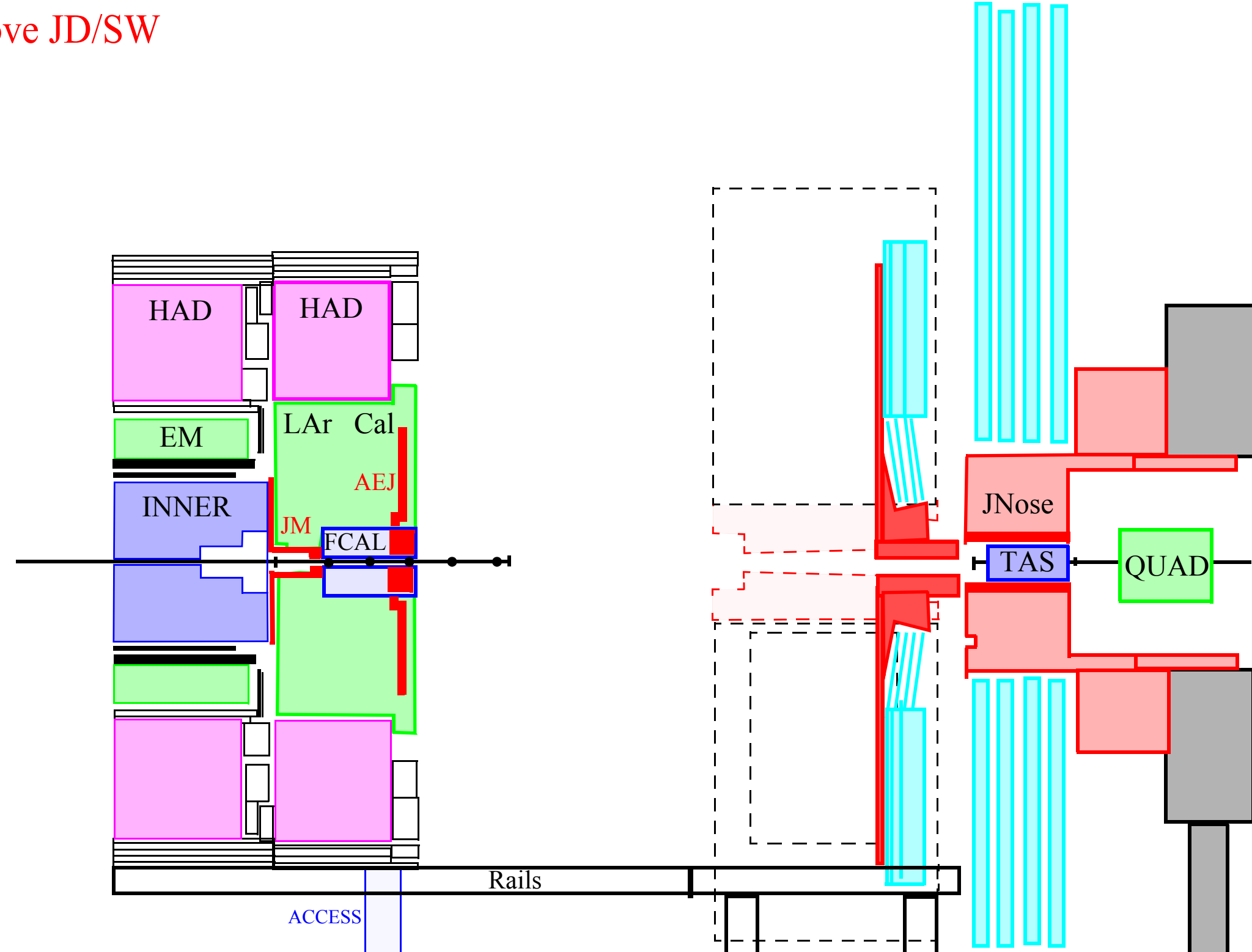
Rails
ACCESS

Move JD/SW


HAD
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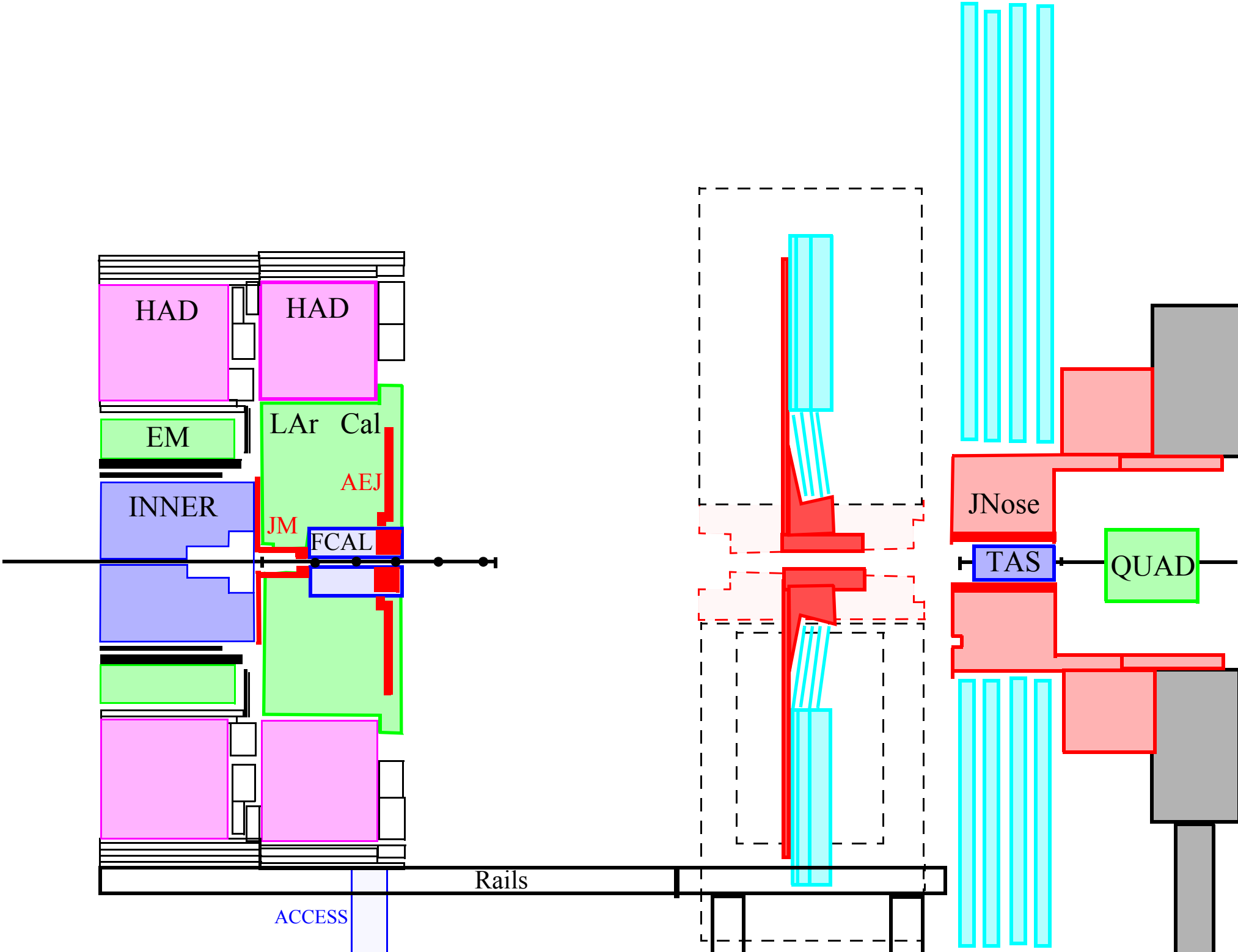
Rails
ACCESS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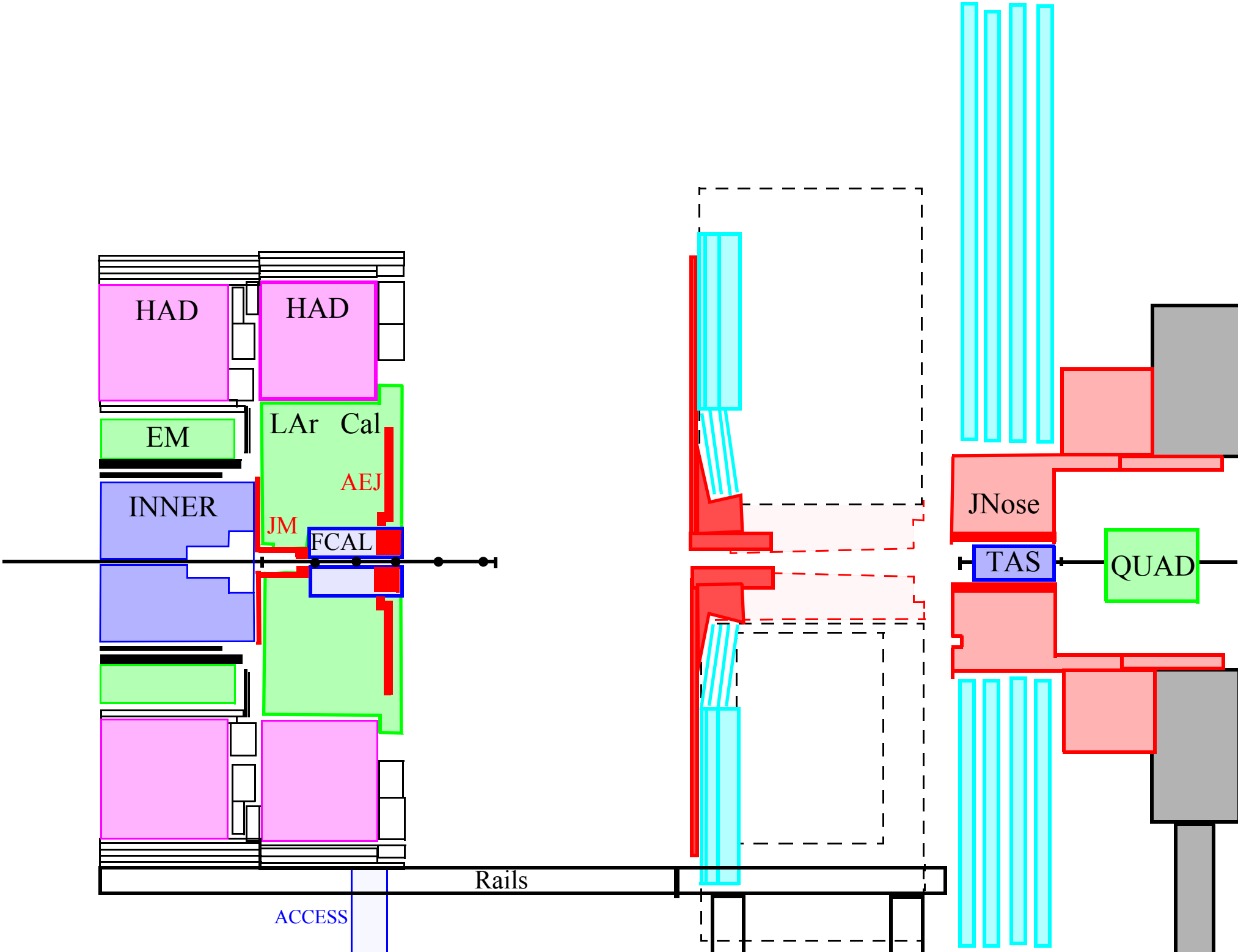
QUAD
Rails
ACCESS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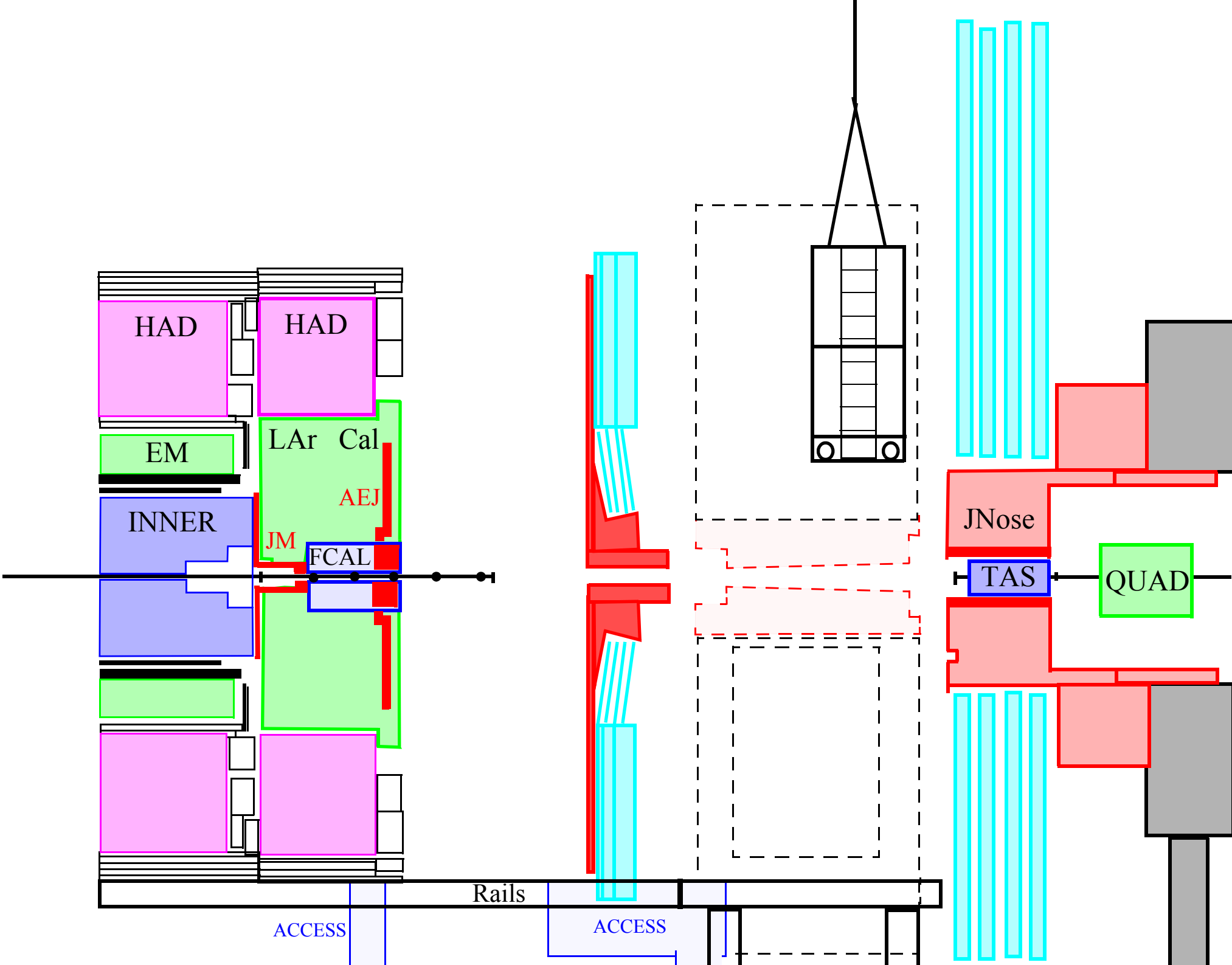
ACCESS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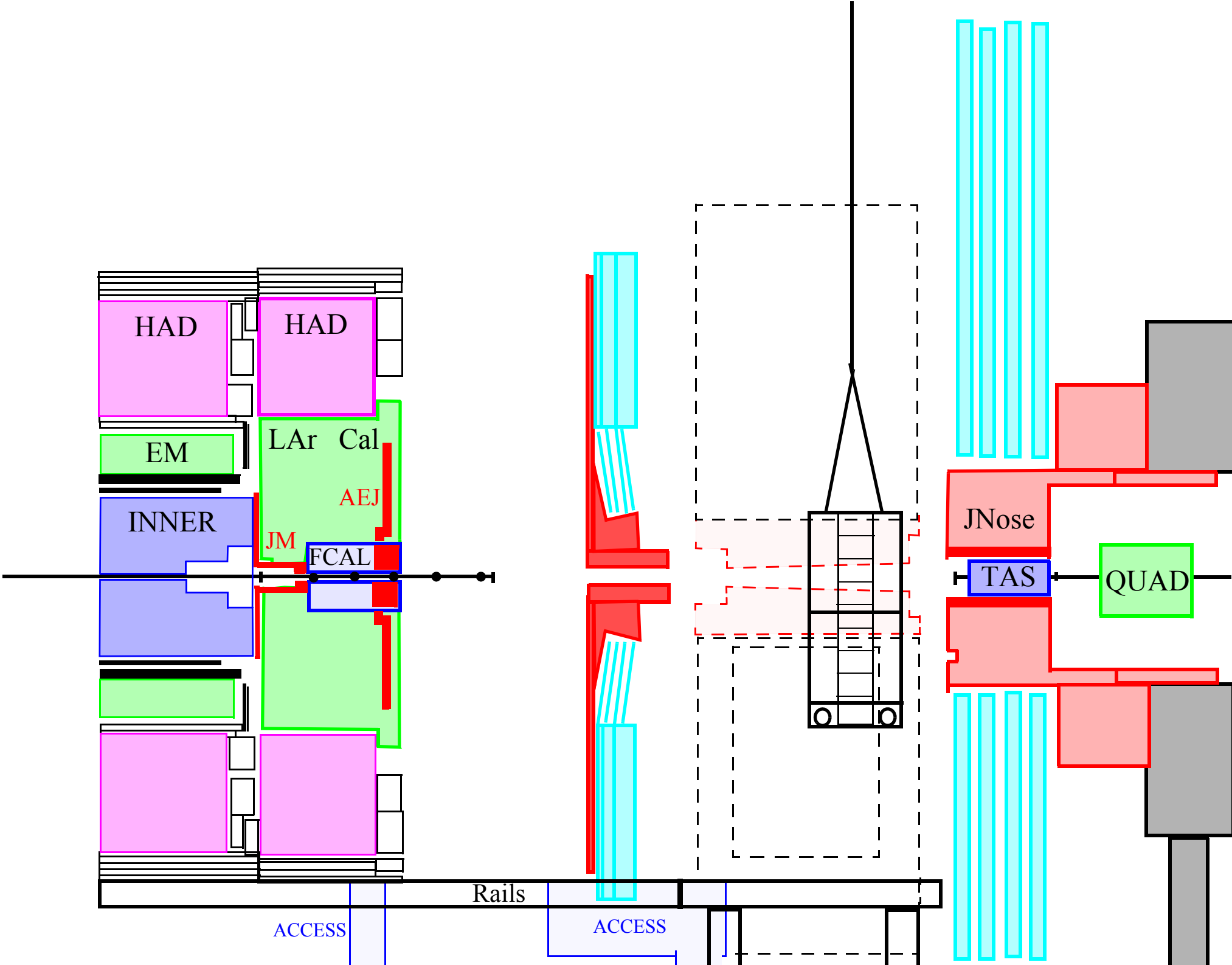
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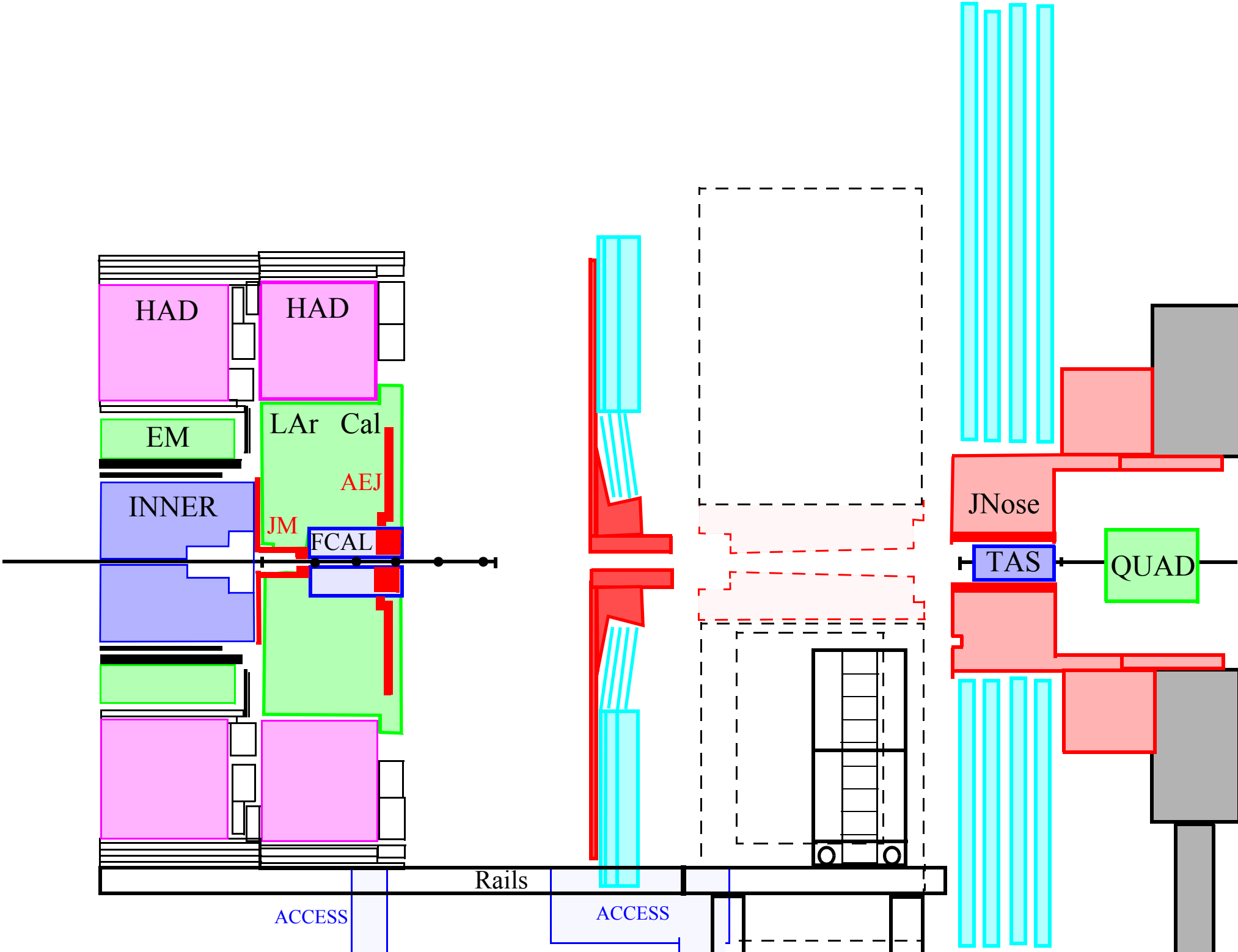
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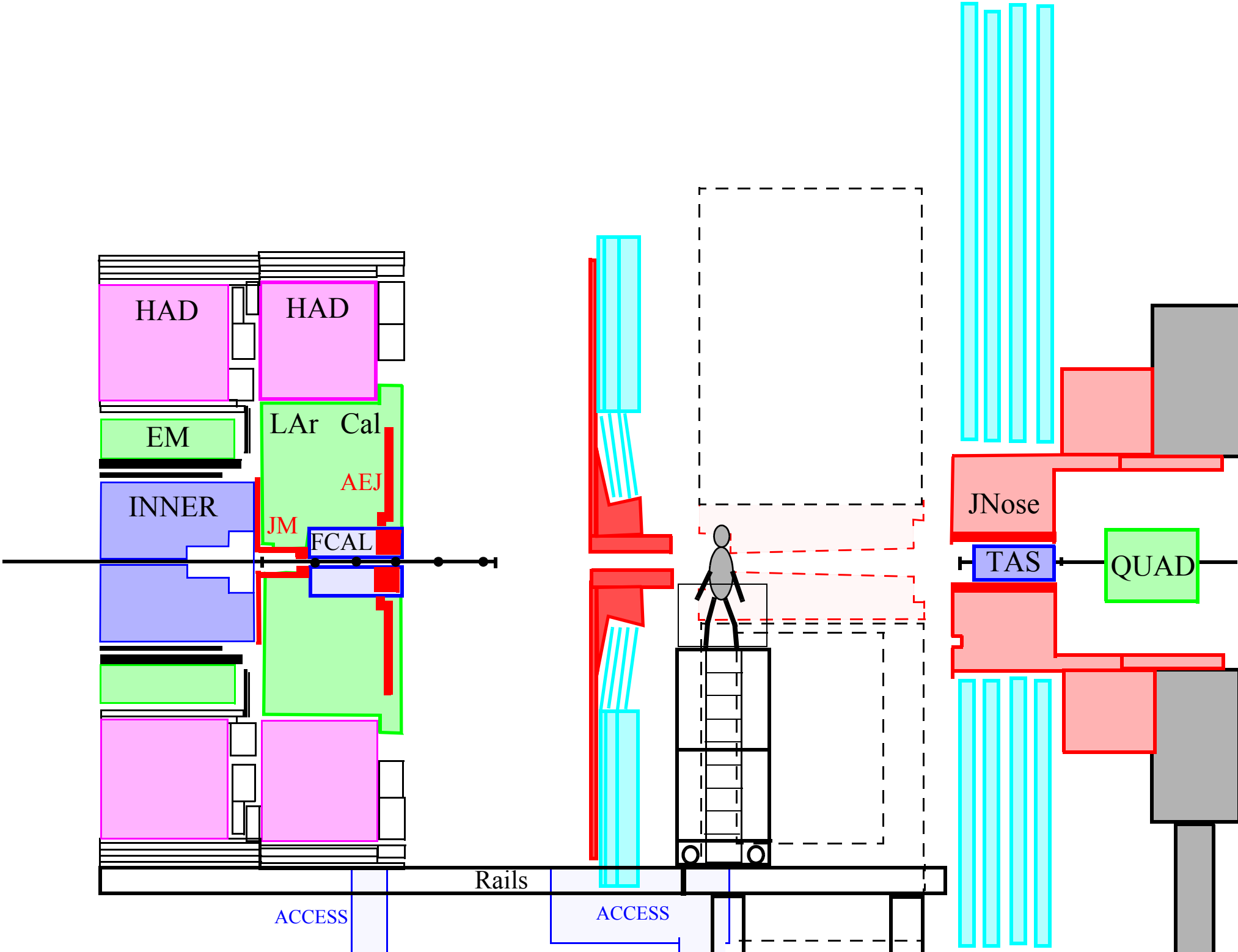
HAD
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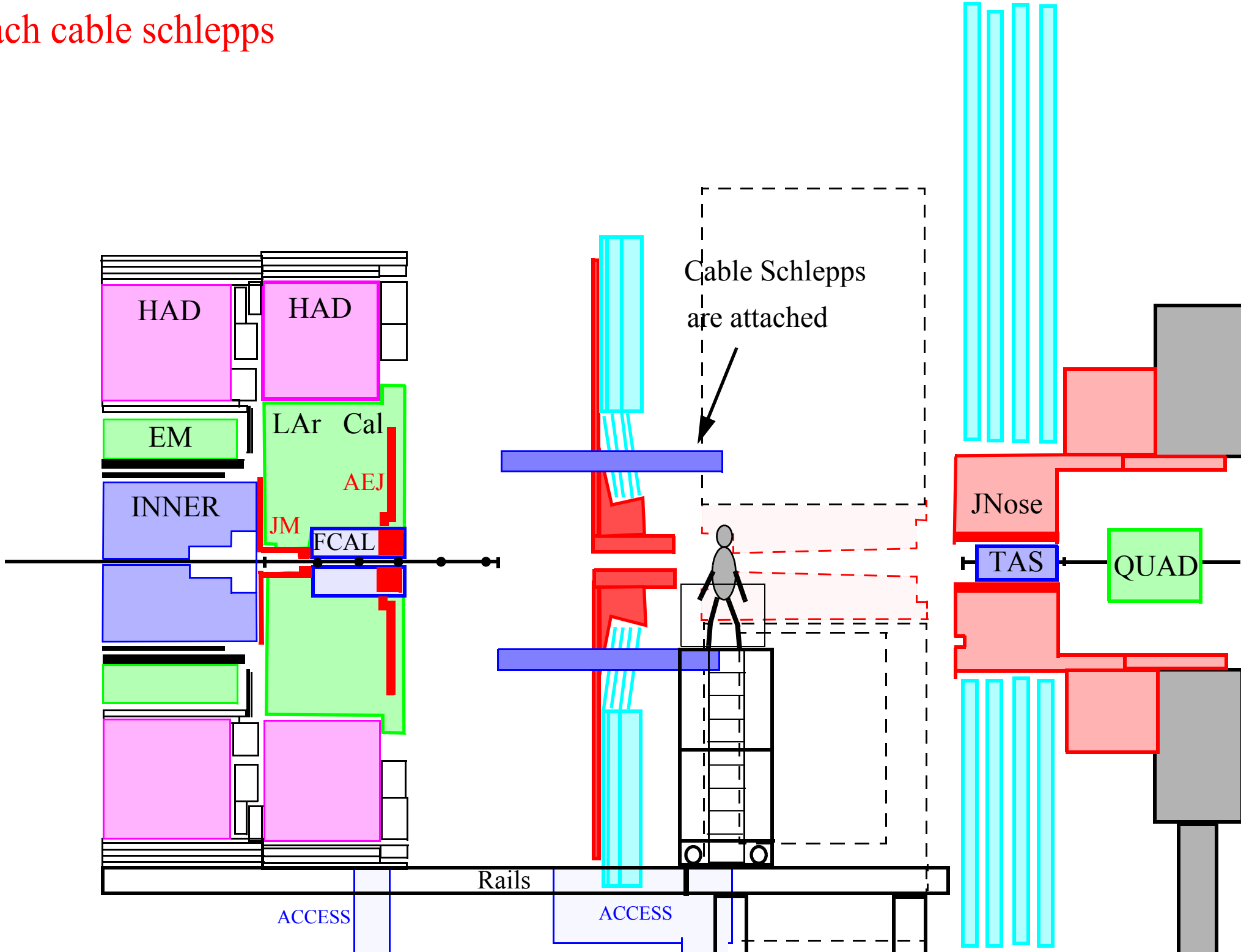
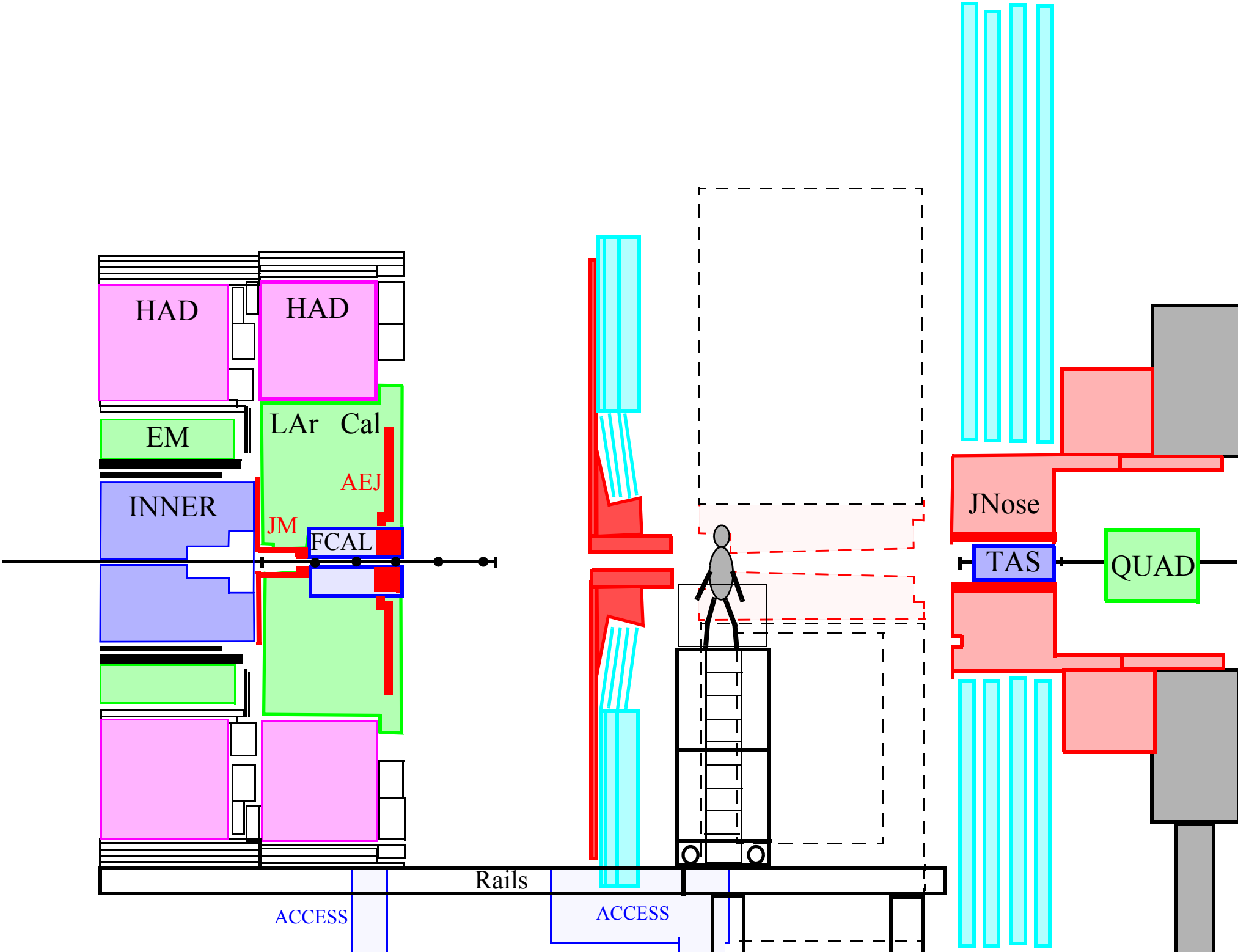
Rails
ACCESS
ACCESS

Attach cable schlepps




HAD
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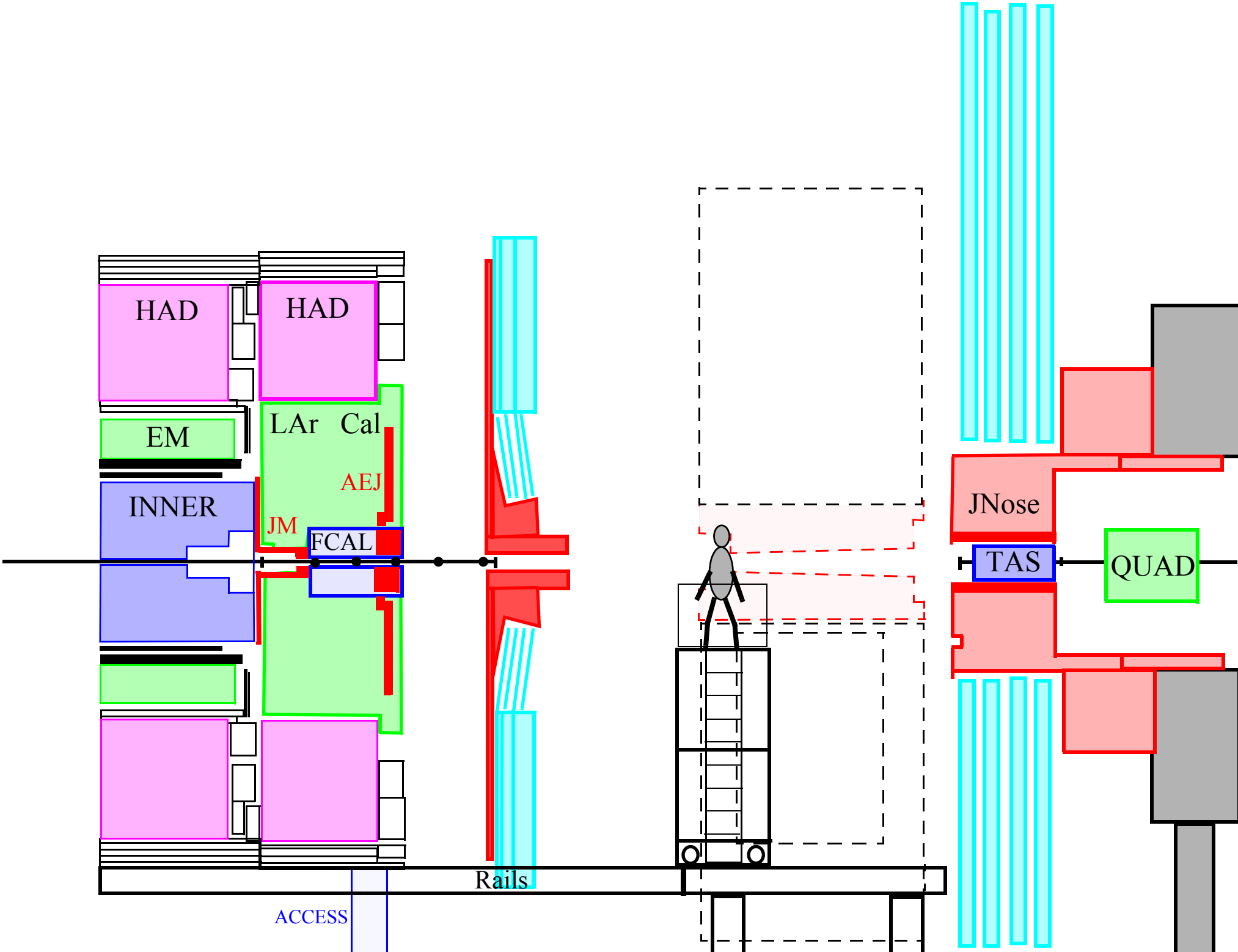
TAS
QUAD
Rails
ACCESS
ACCESS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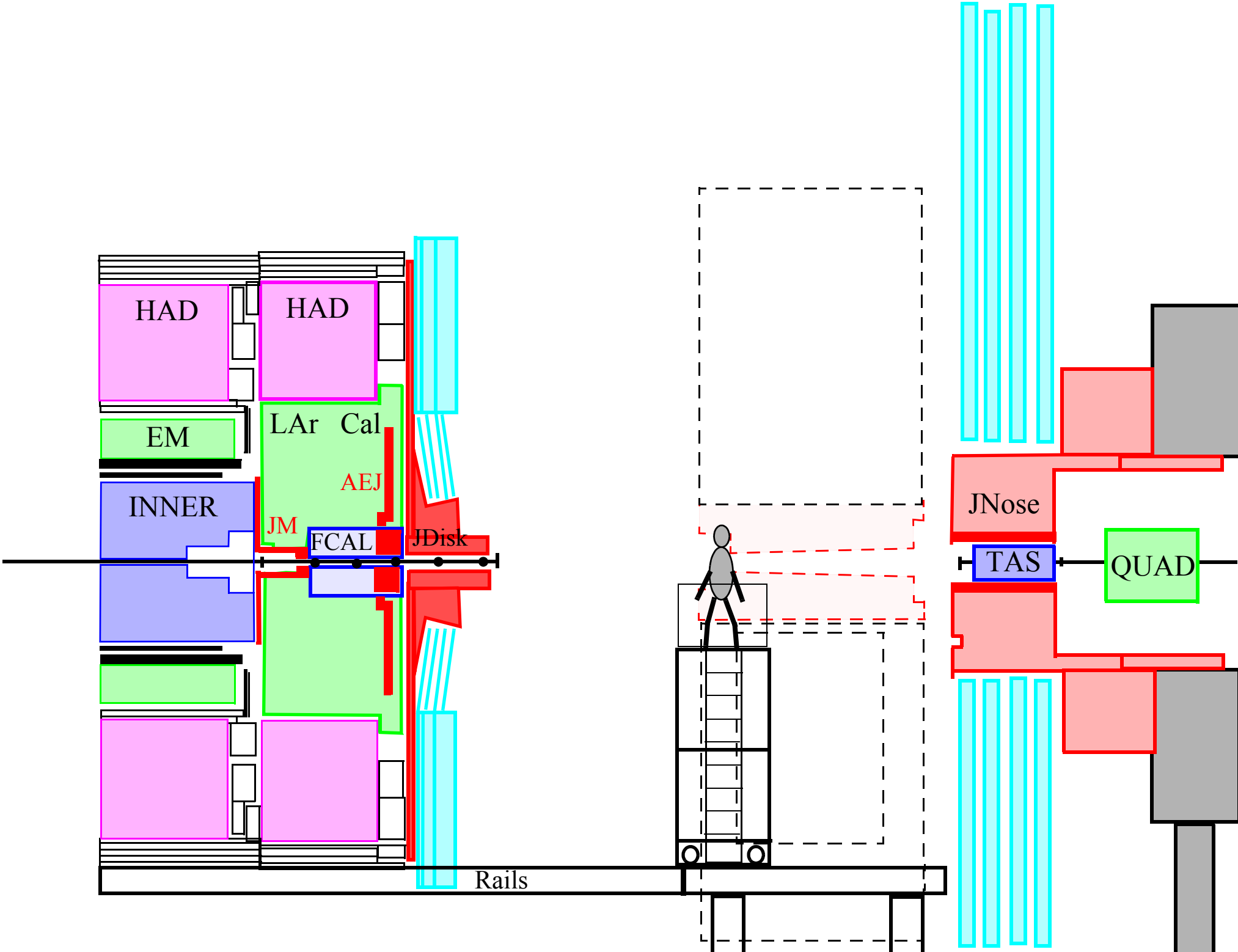
Rails
ACCESS


HAD
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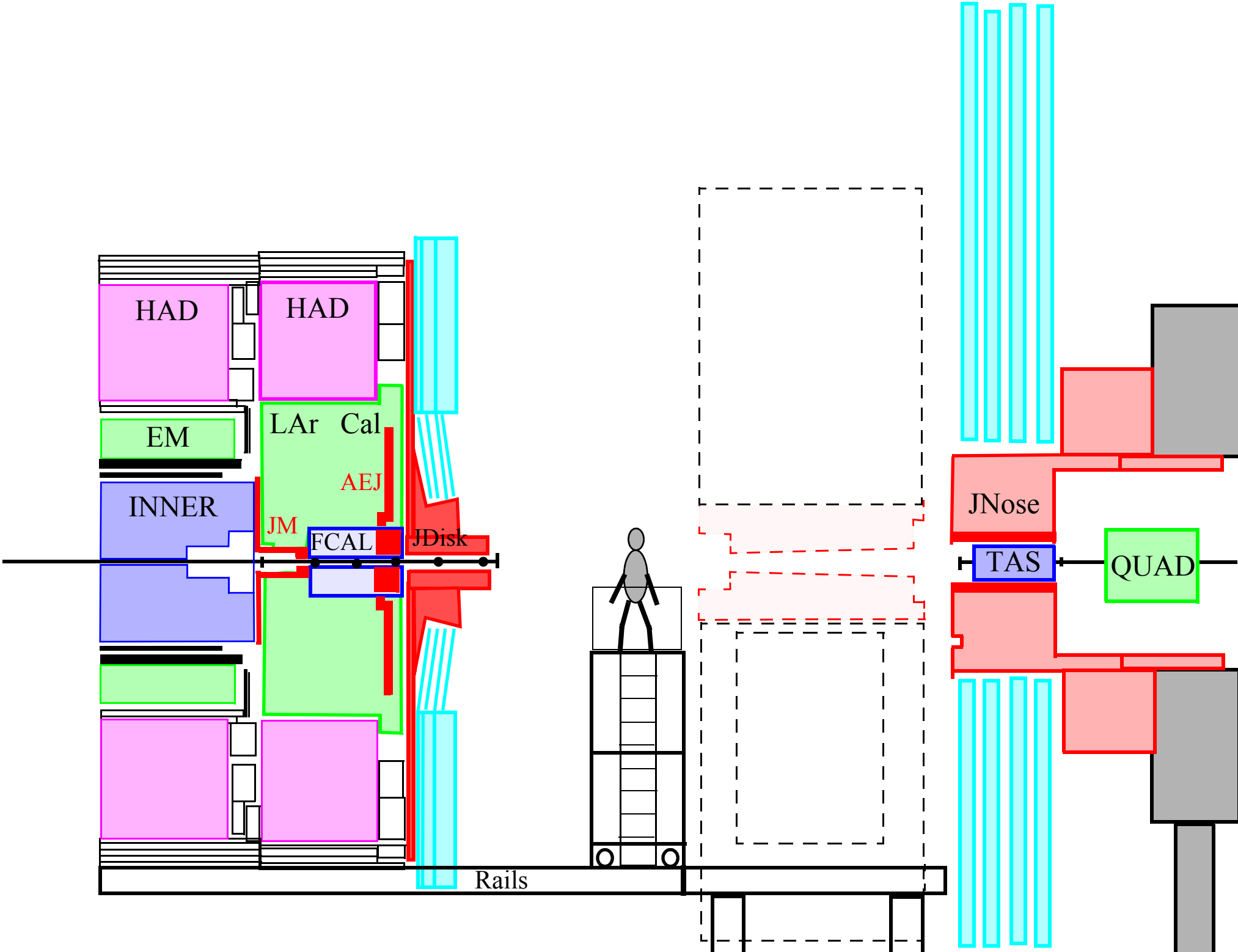
JDisk
JNose
TAS
QUAD
Rails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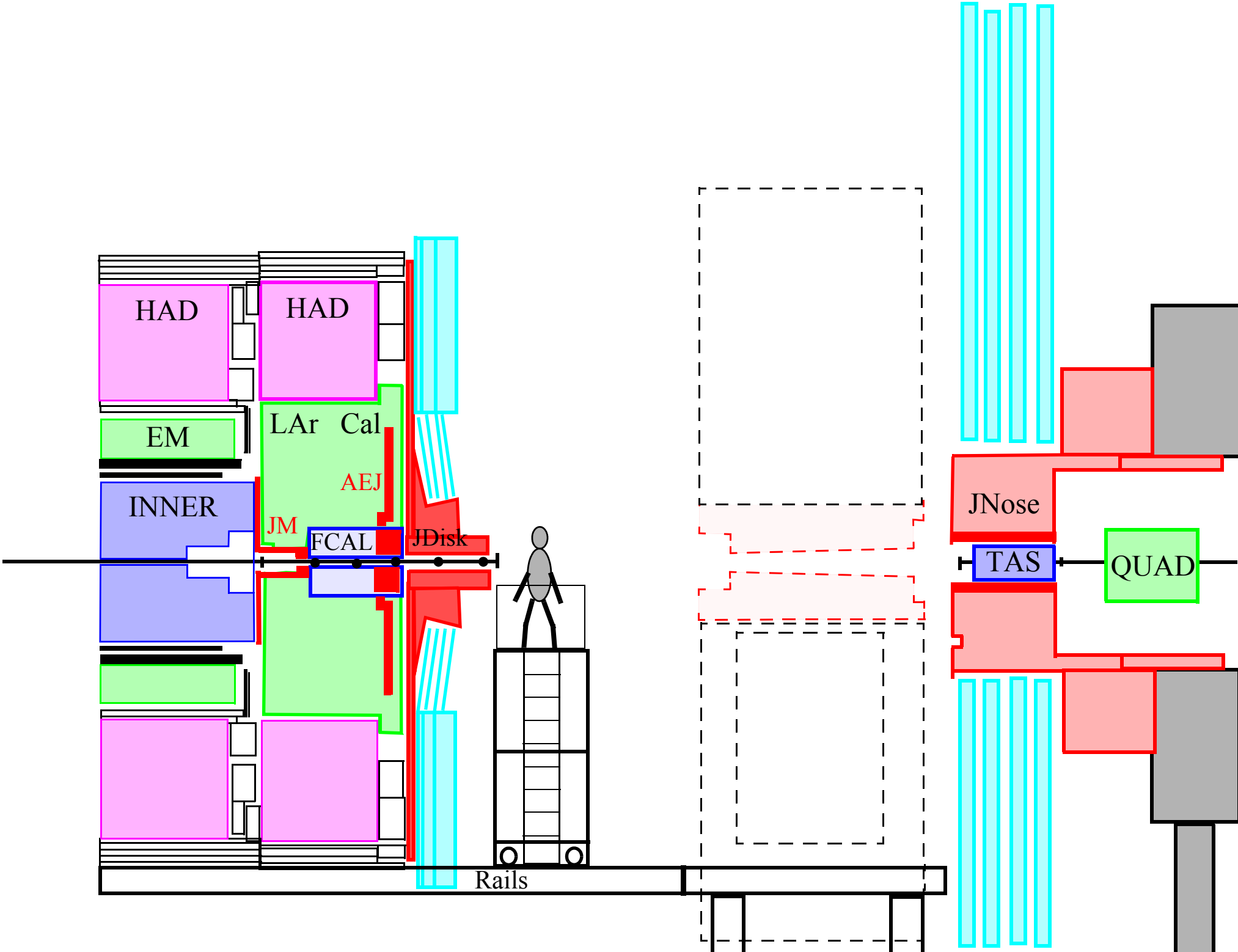
QUAD
Rails


HAD
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FCAL
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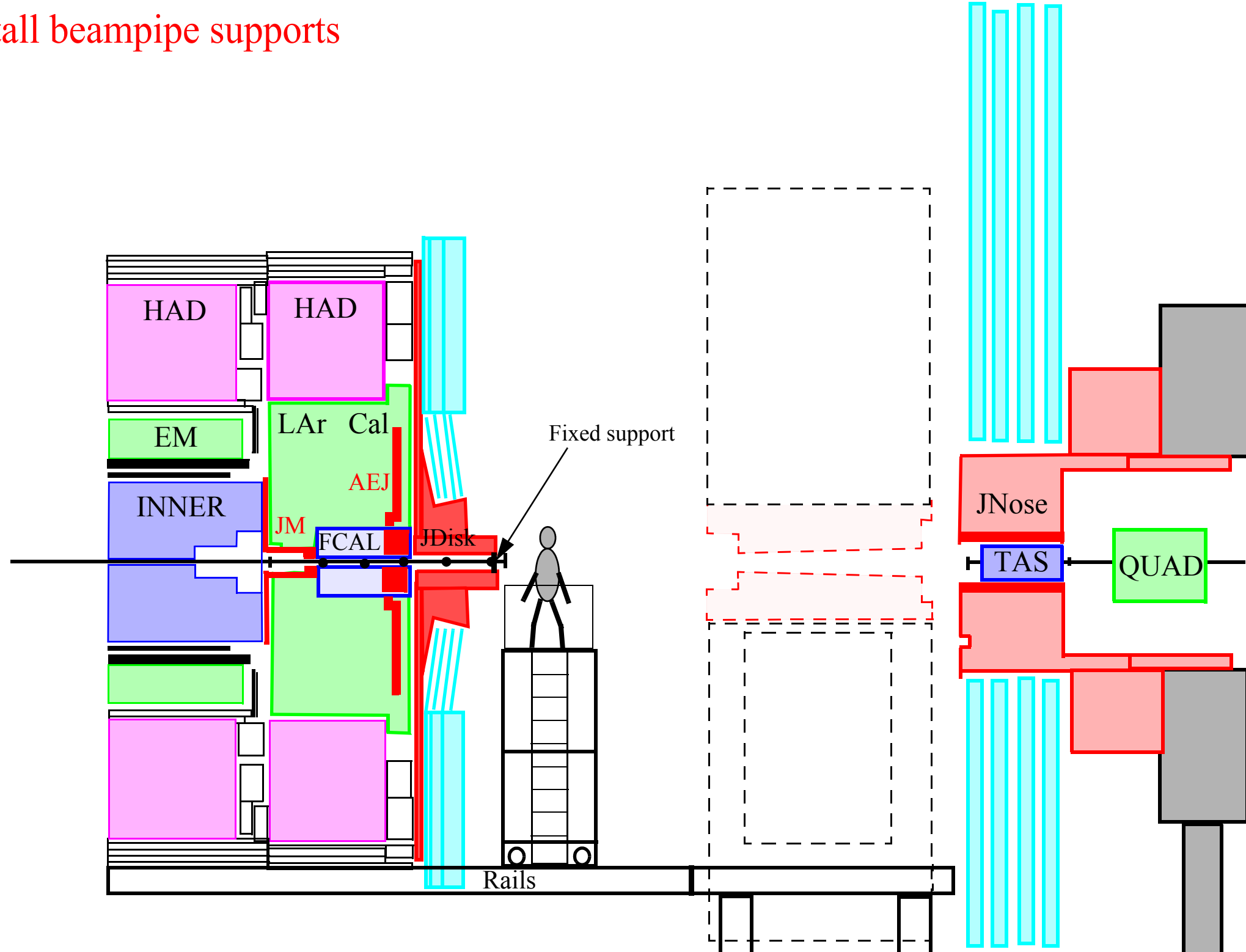
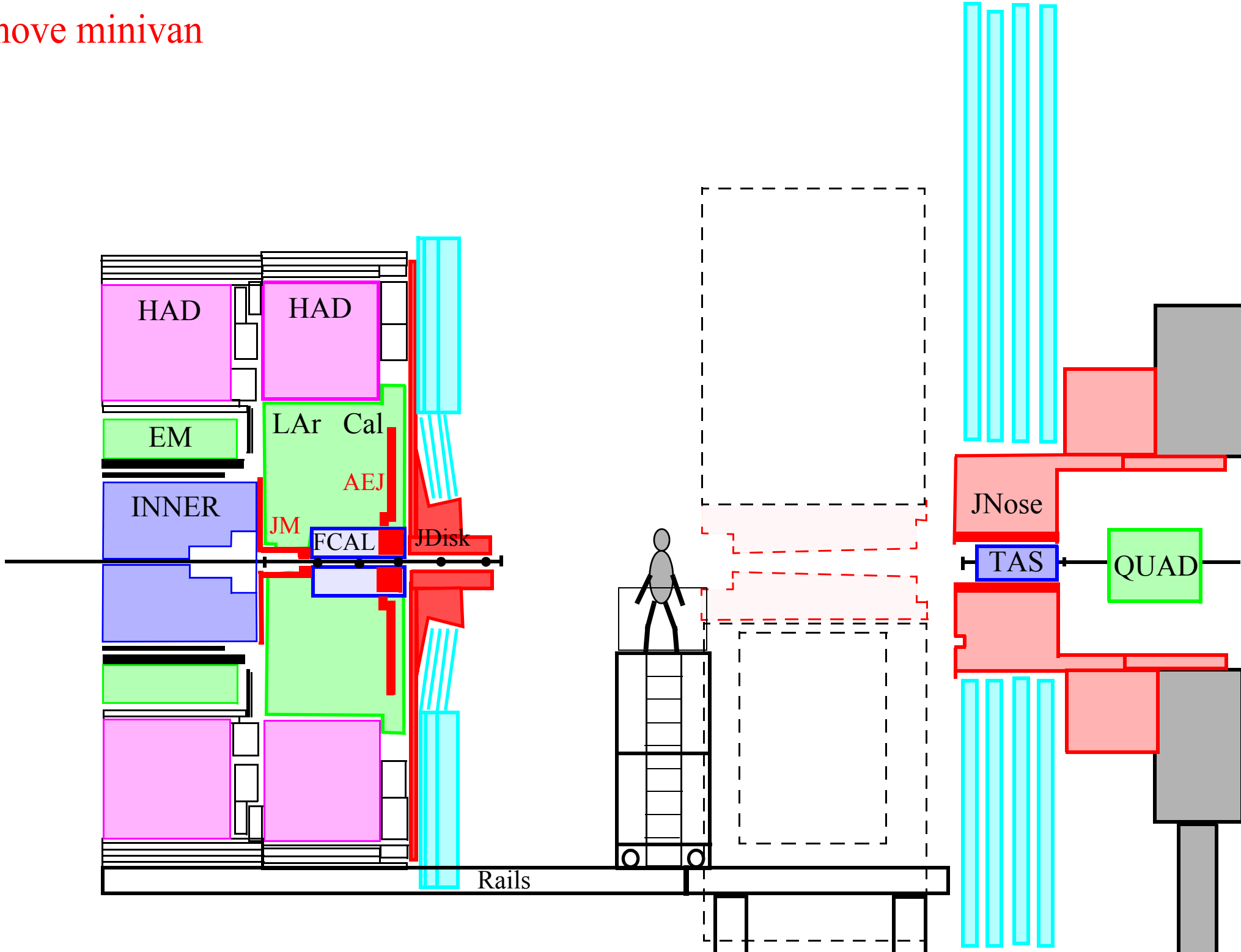
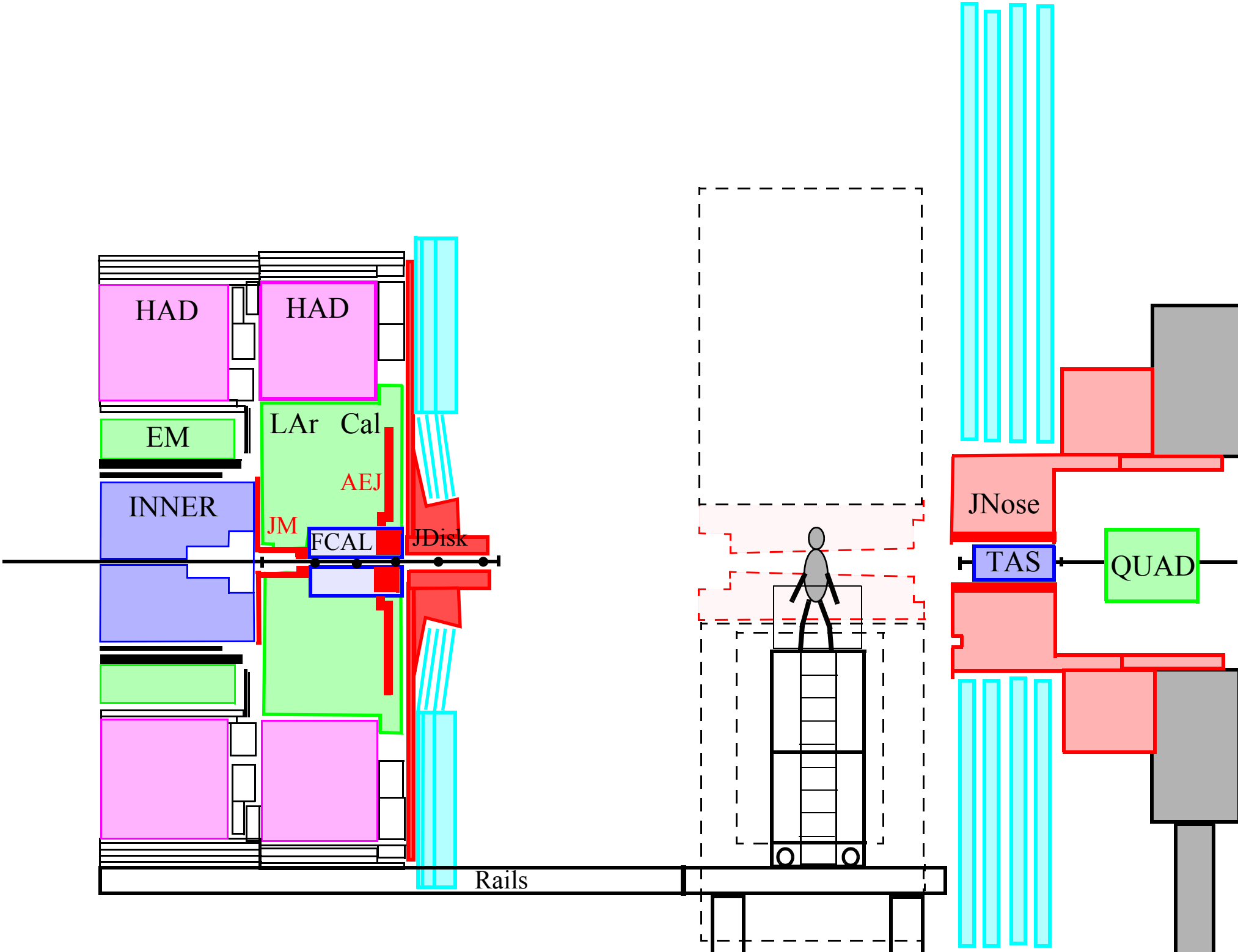
JNose
TAS
QUAD
Rails

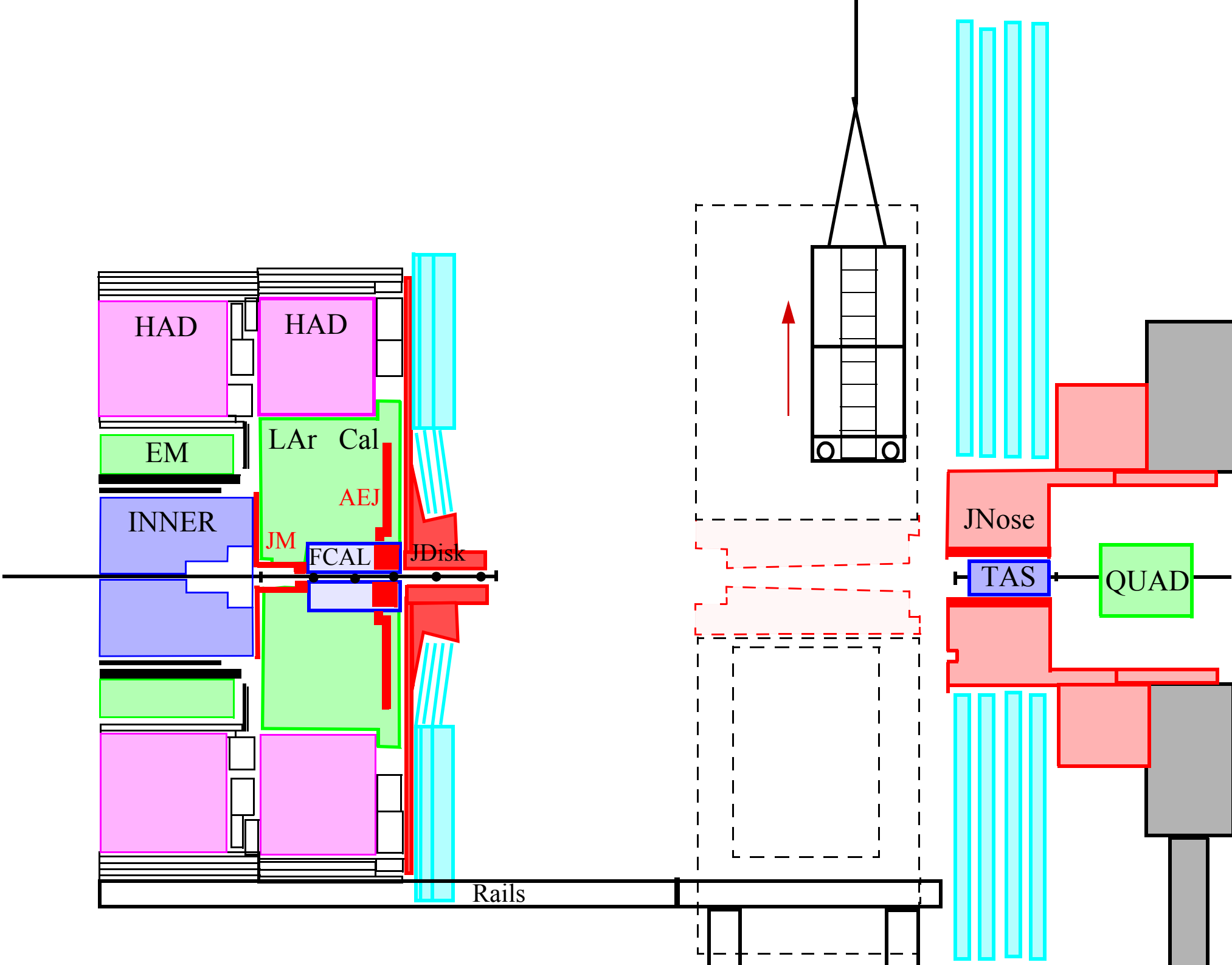
Install beampipe supports

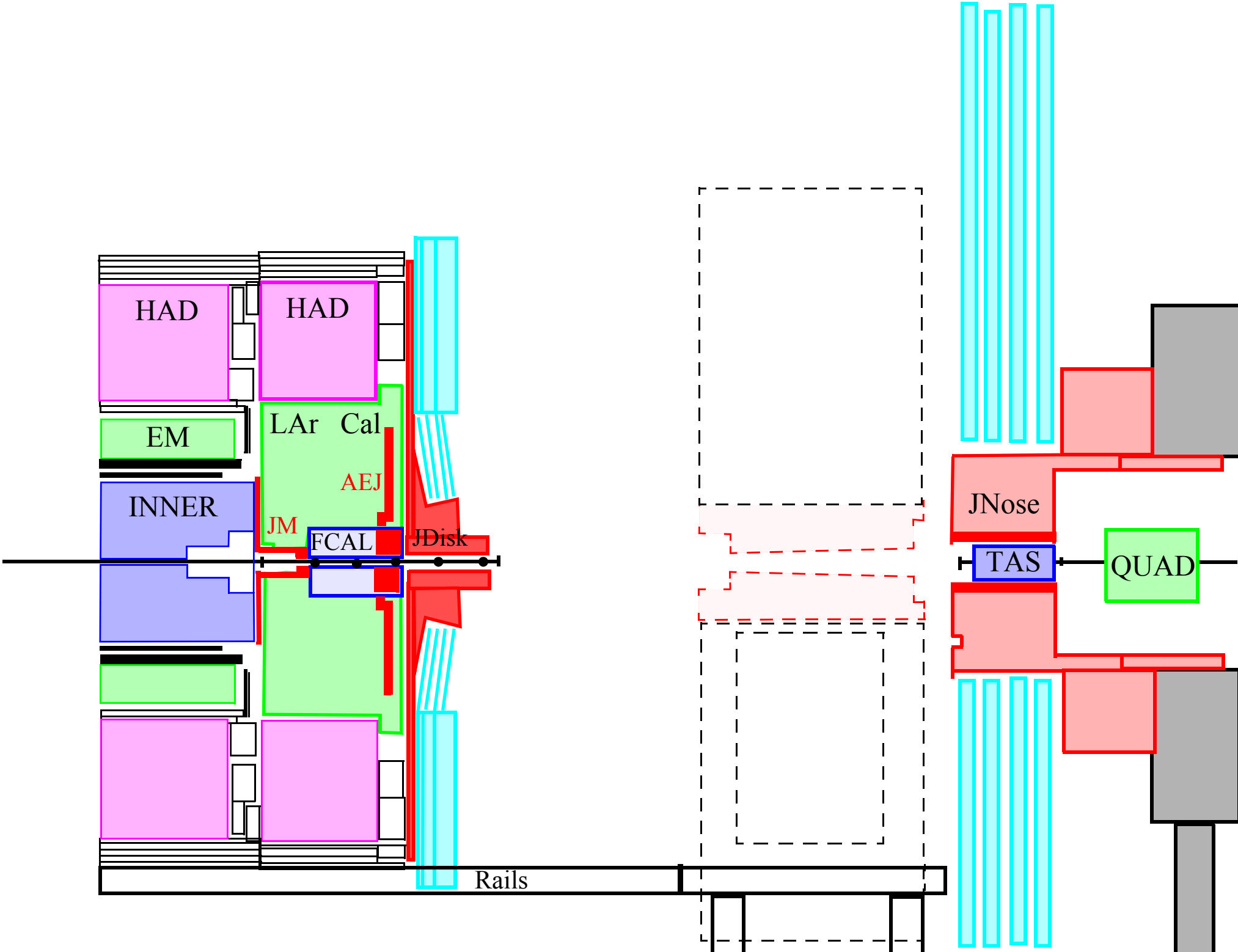


Remove minivan

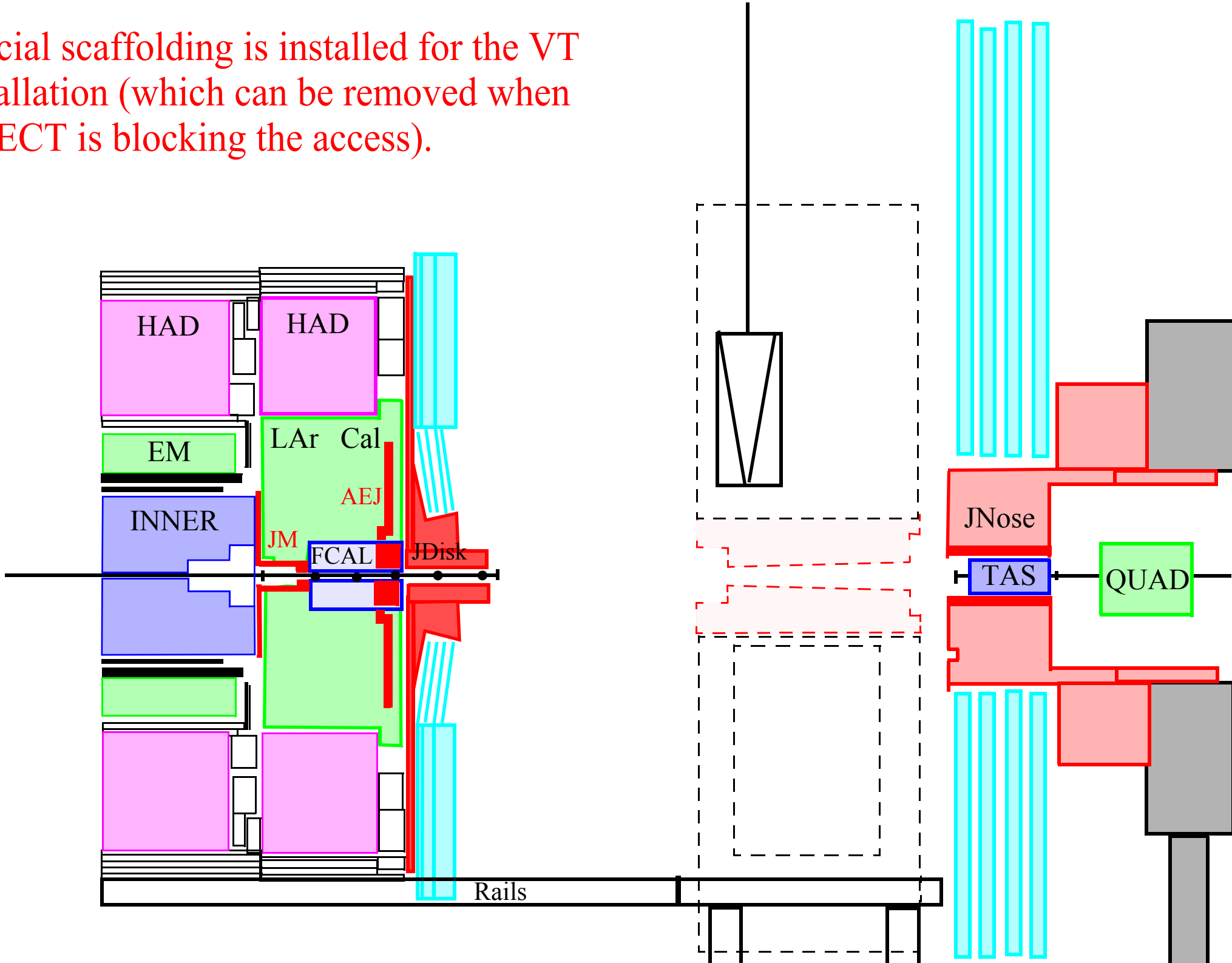


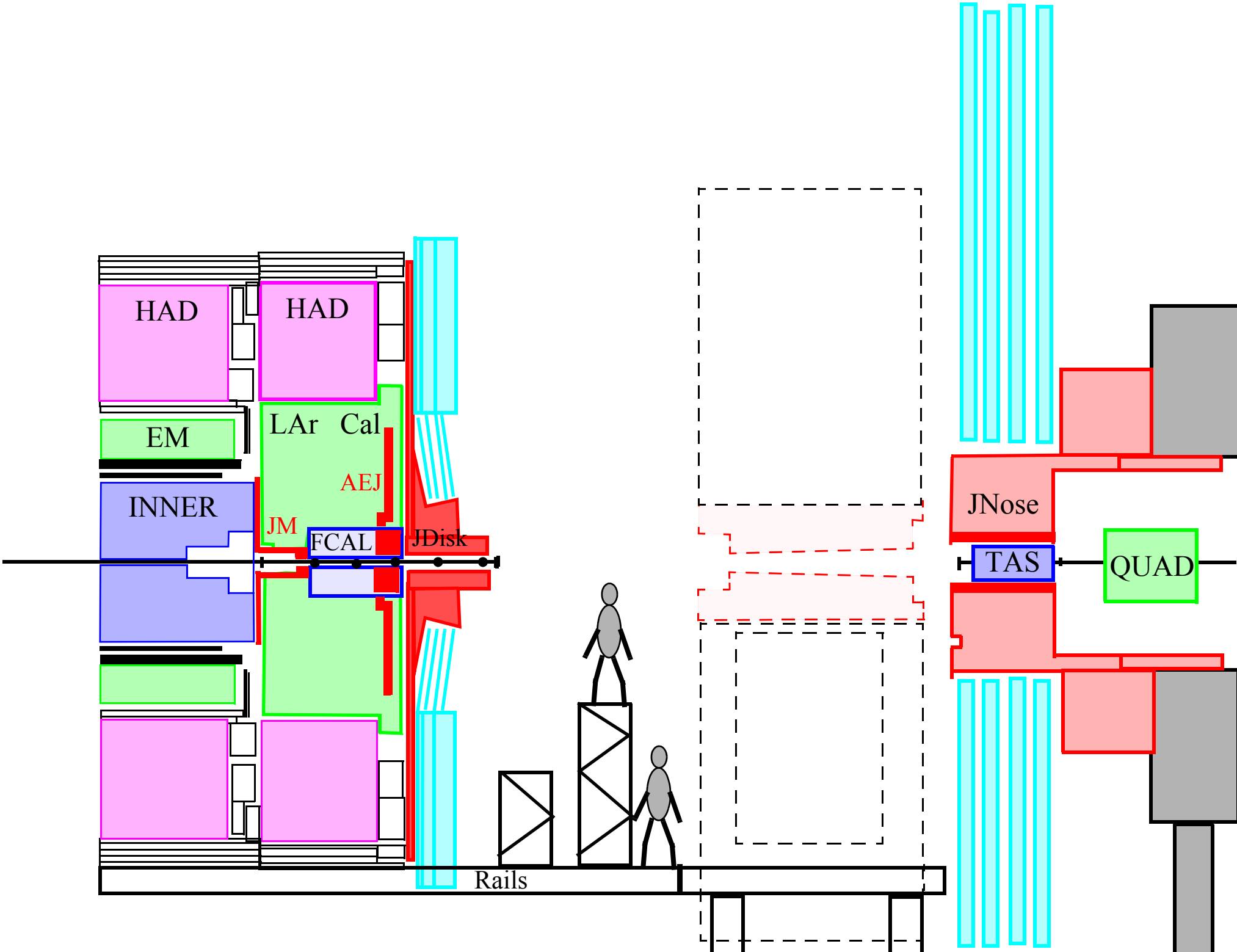

HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Rails
JNose
TAS
QUAD

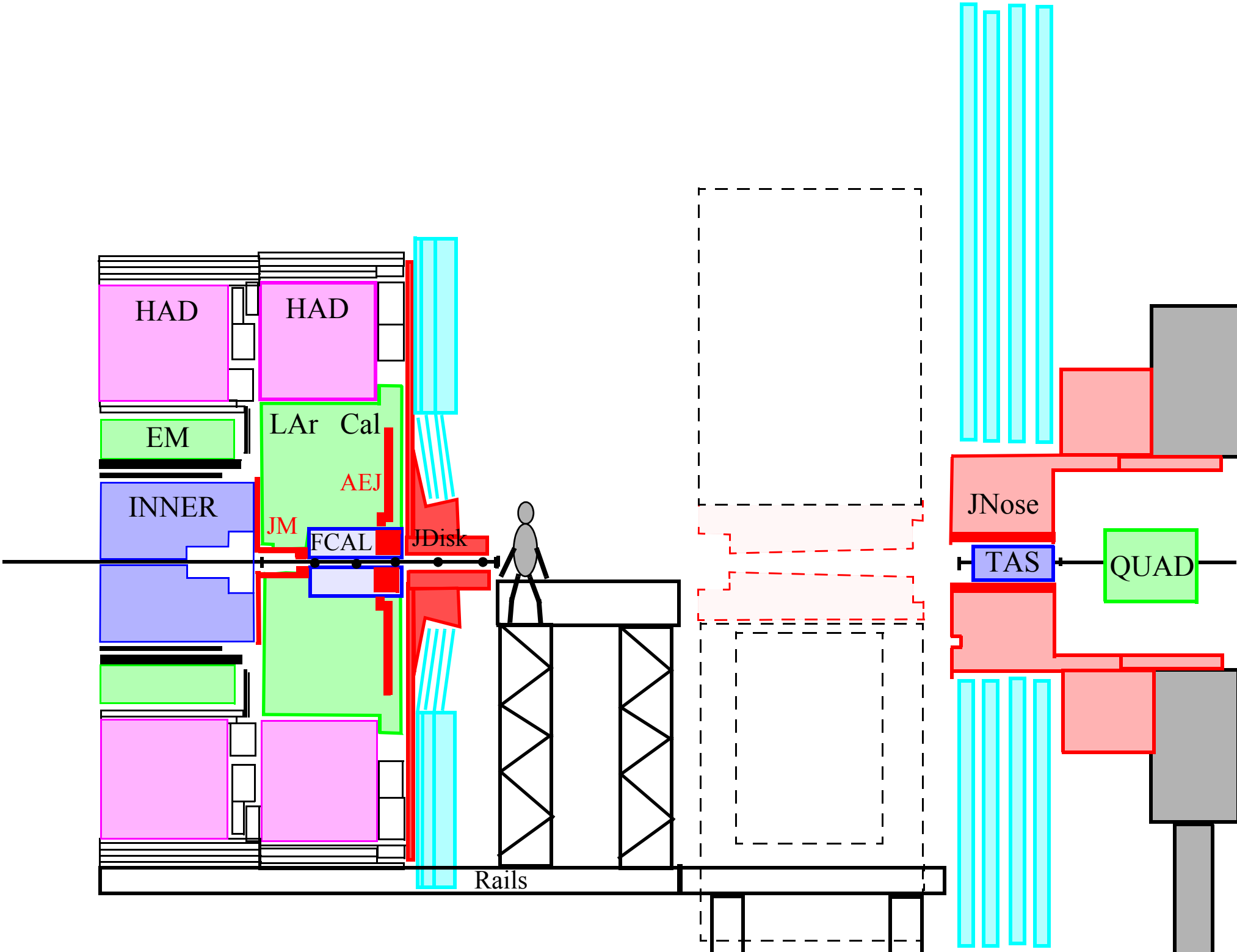

HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Rails
JNose
TAS
QUAD


HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Rails
JNose
TAS
QUAD

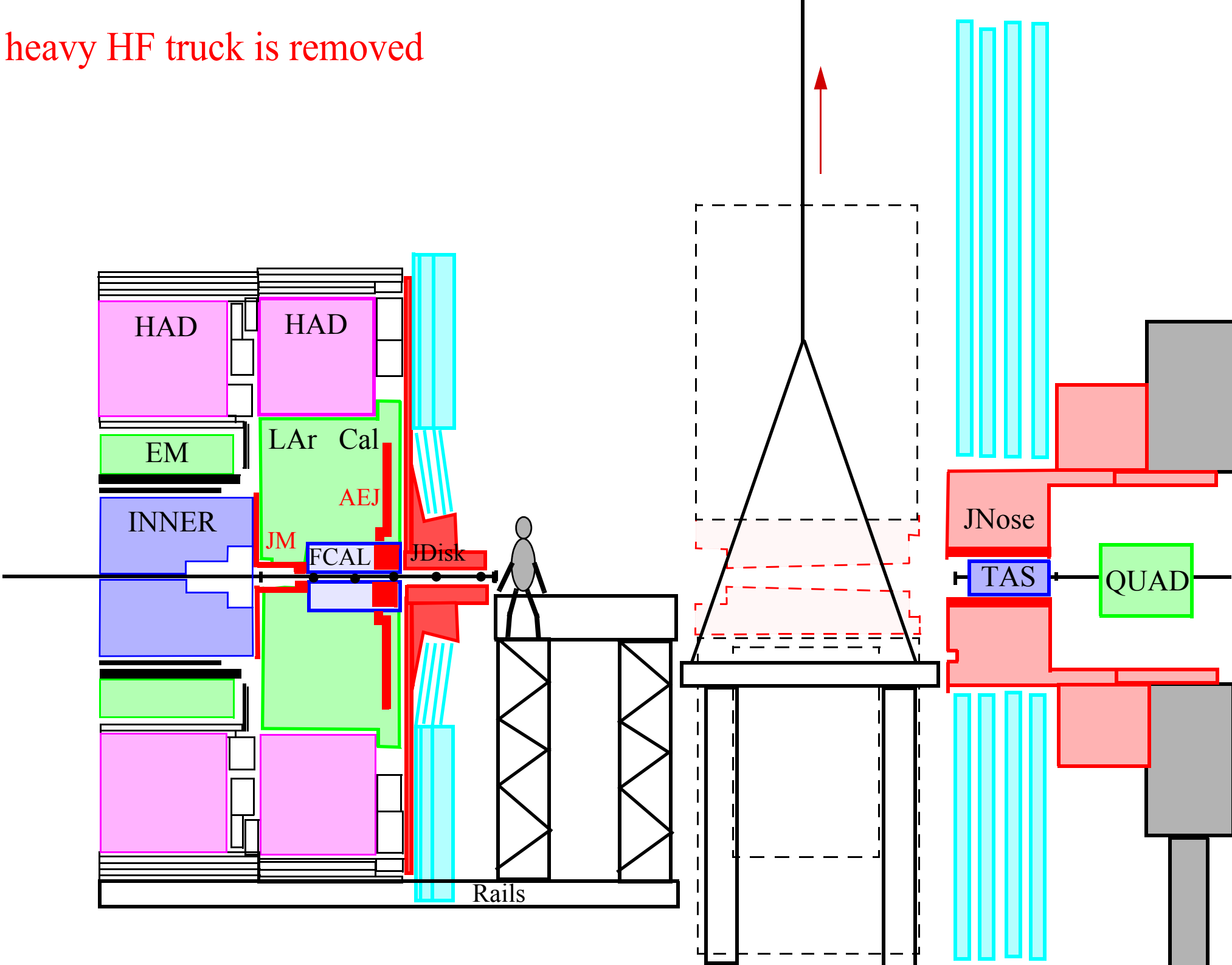
Special scaffolding is installed for the VT installation (which can be removed when the ECT is blocking the access).

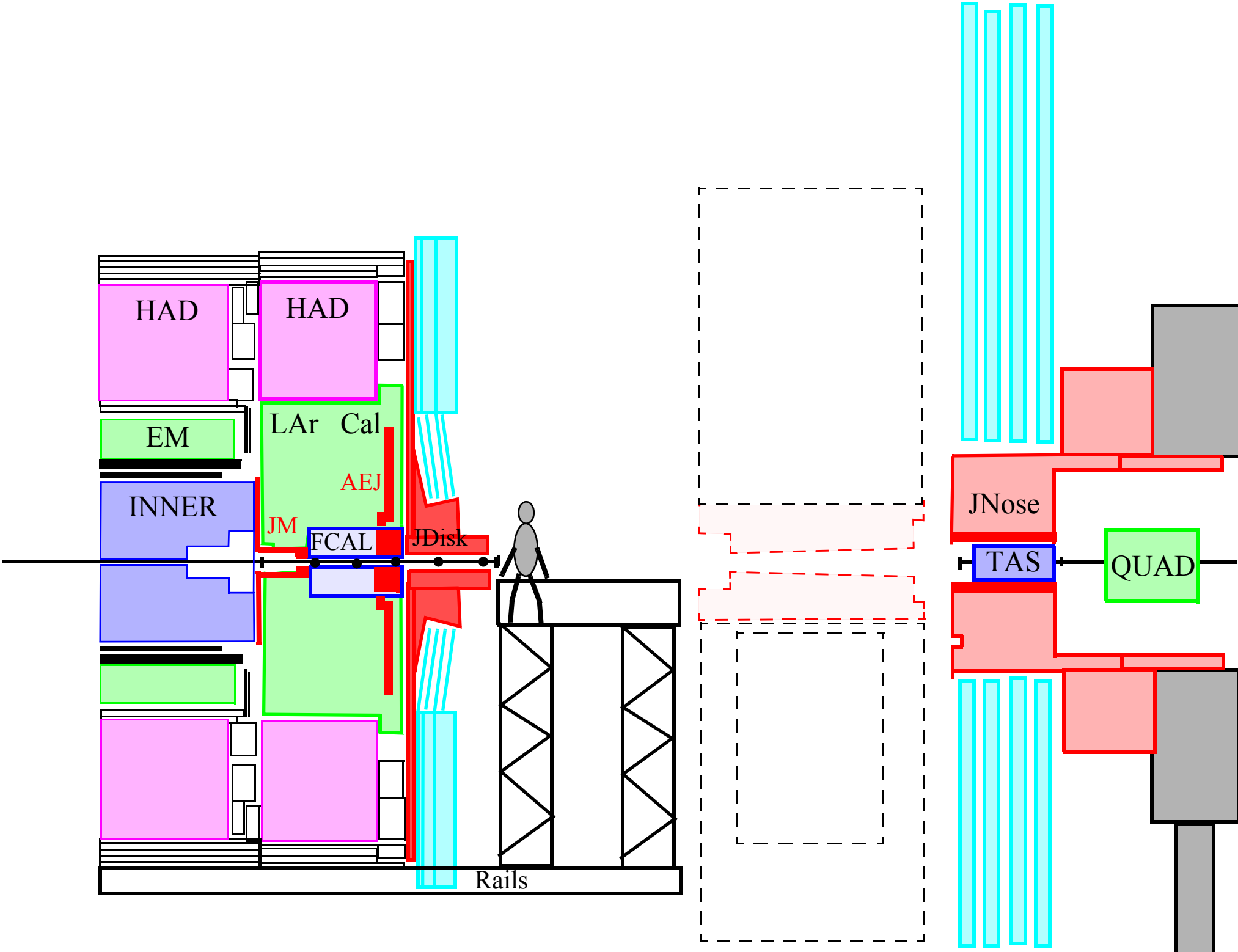



HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Rails
JNose
TAS
QUAD

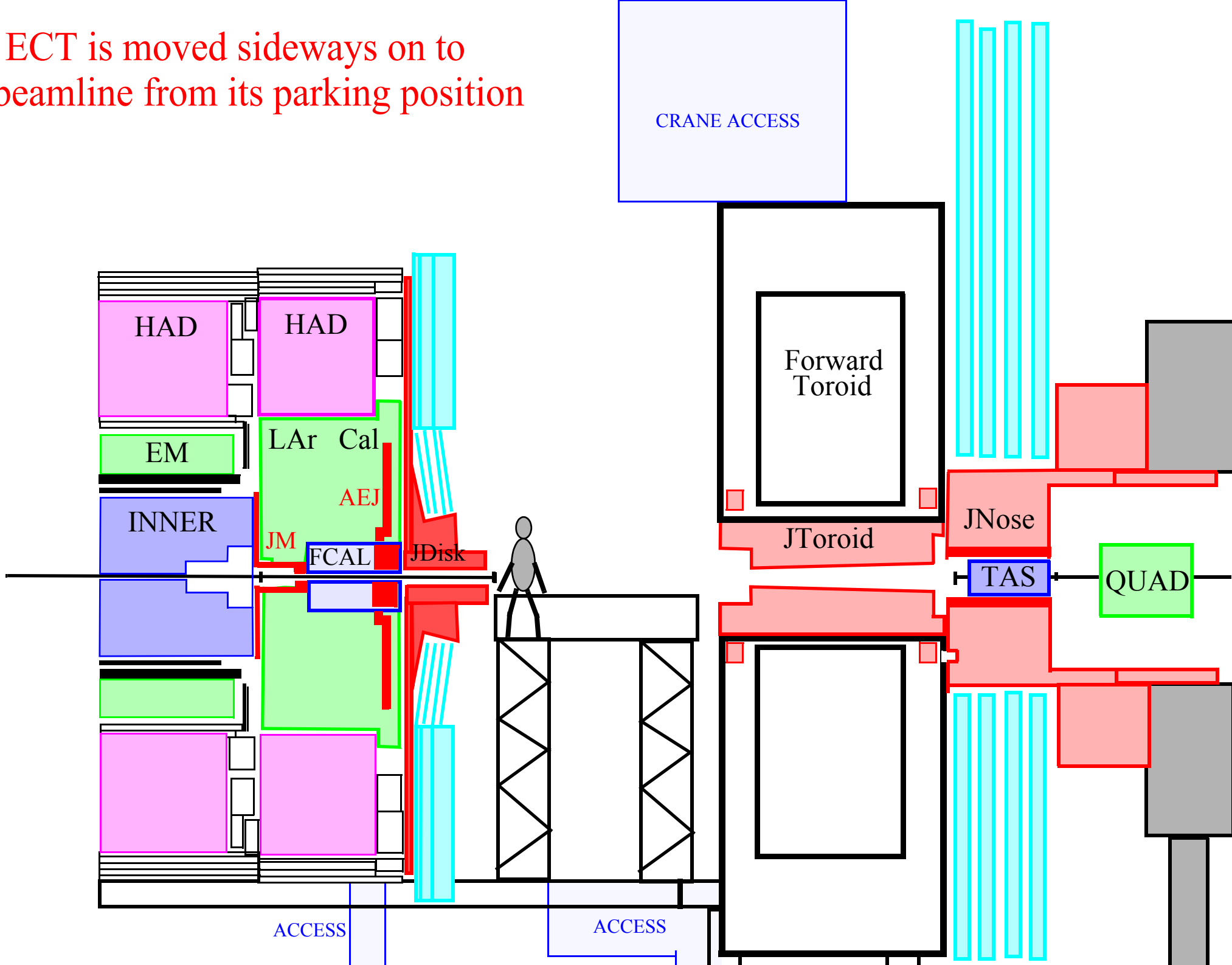

HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Rails
JNose
TAS
QUAD

The heavy HF truck is removed

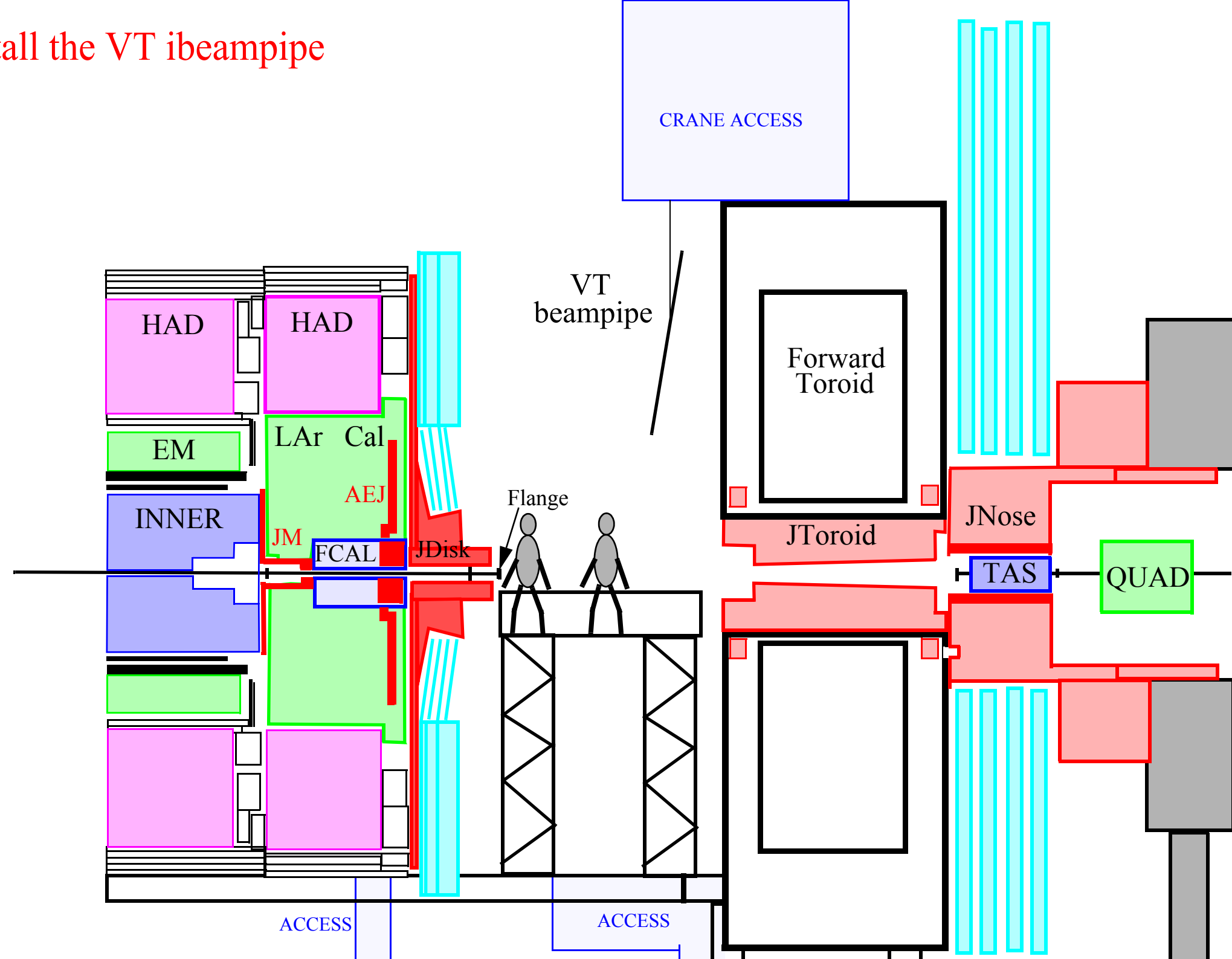


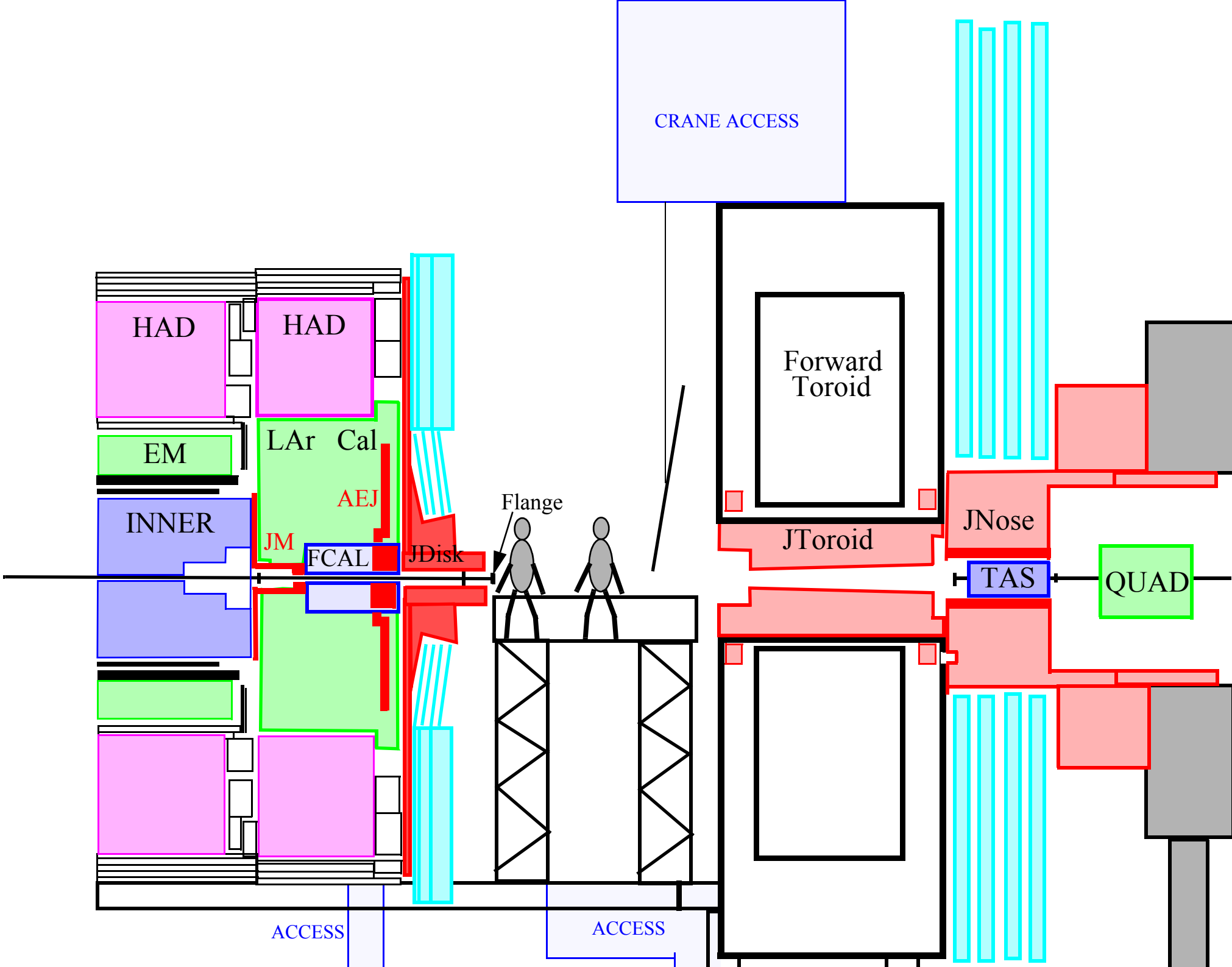

HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Rails
JNose
TAS
QUAD

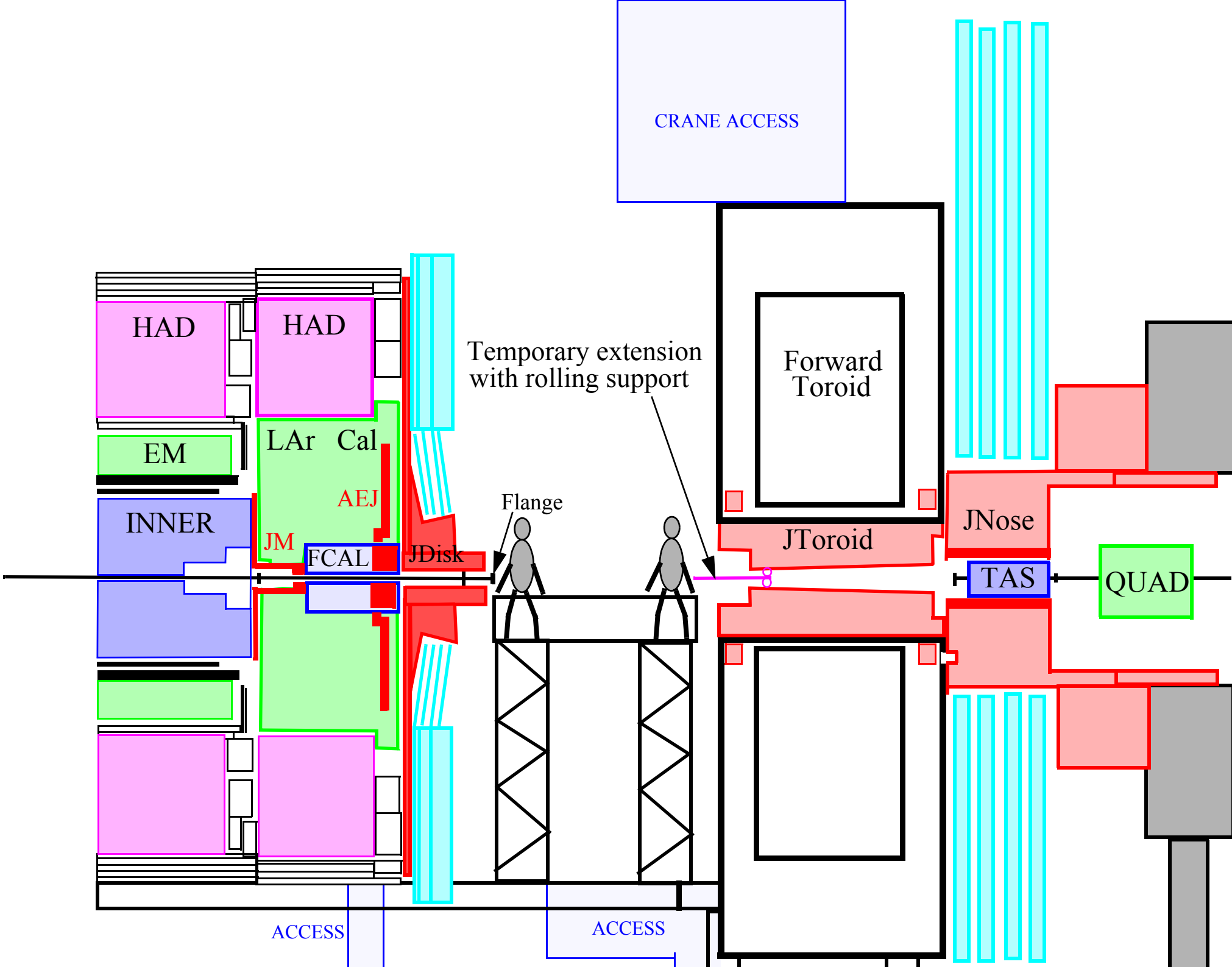
The ECT is moved sideways on to the beamline from its parking position

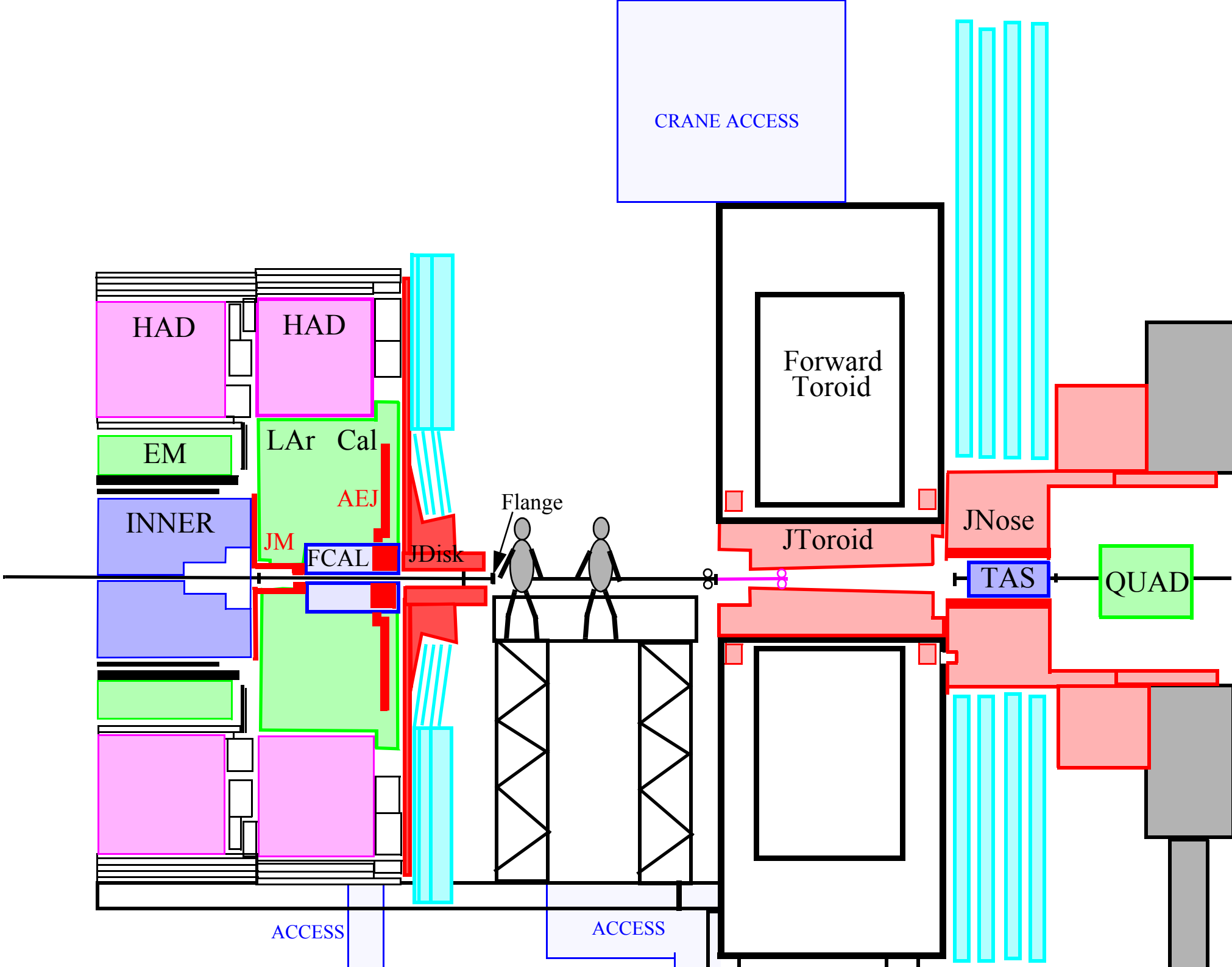


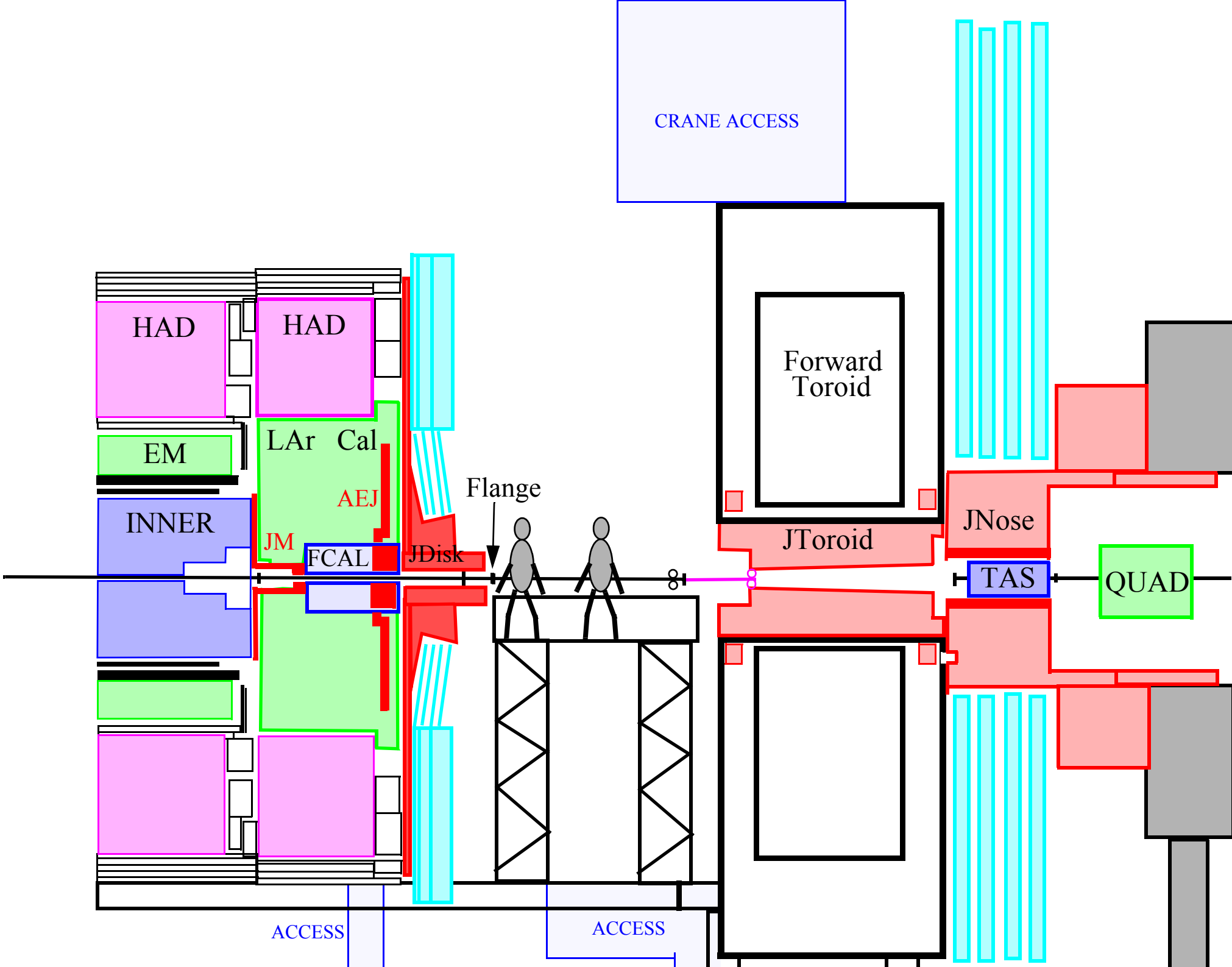
Install the VT ibeampipe

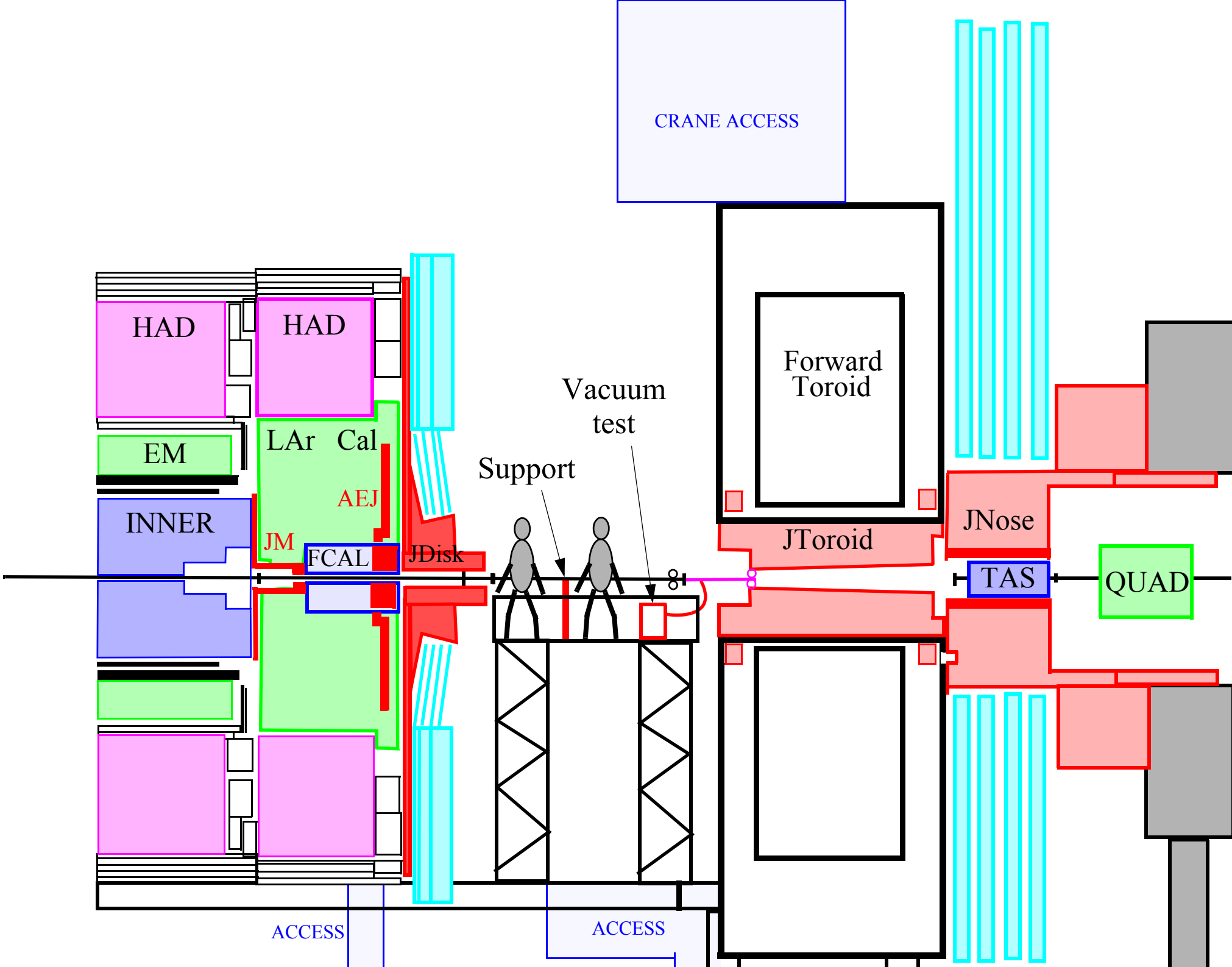



CRANE ACCESS
HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Flange
Forward
Toroid
JToroid
JNose
TAS
QUAD
ACCESS
ACCESS

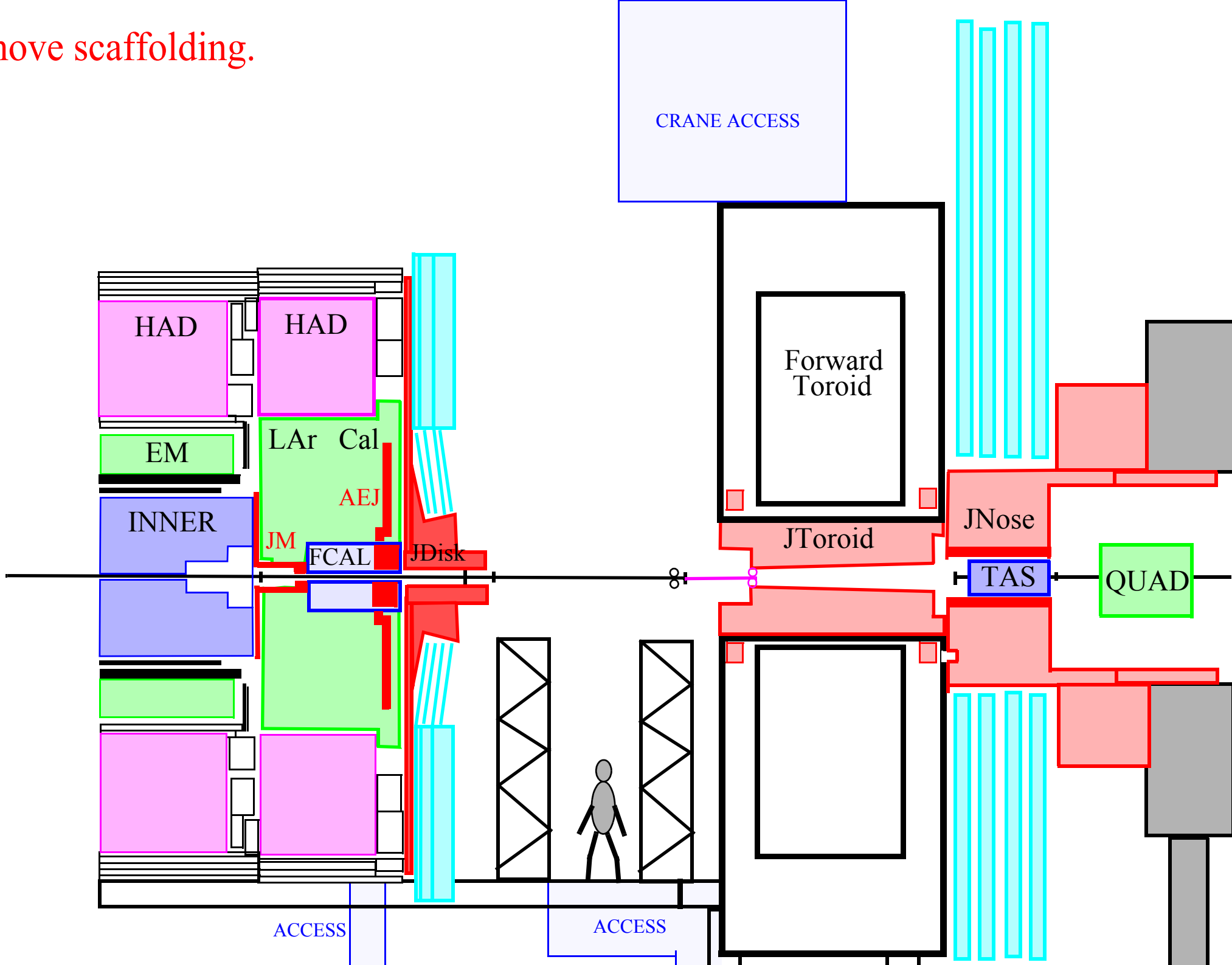

CRANE ACCESS
HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Temporary extension
with rolling support
Flange
Forward
Toroid
JToroid
JNose
TAS
QUAD
ACCESS
ACCESS

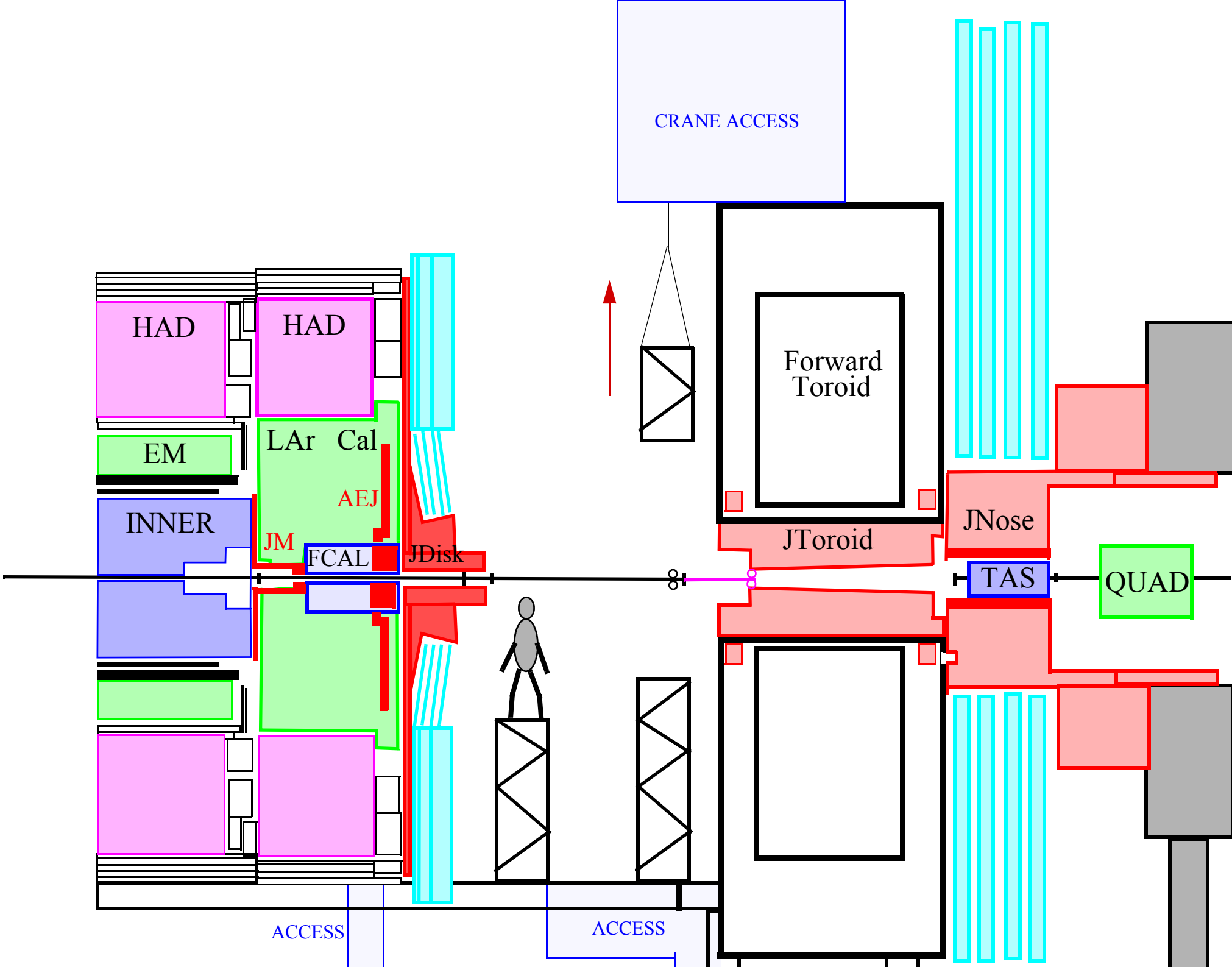

CRANE ACCESS
HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Flange
Forward
Toroid
JToroid
JNose
TAS
QUAD
ACCESS
ACCESS

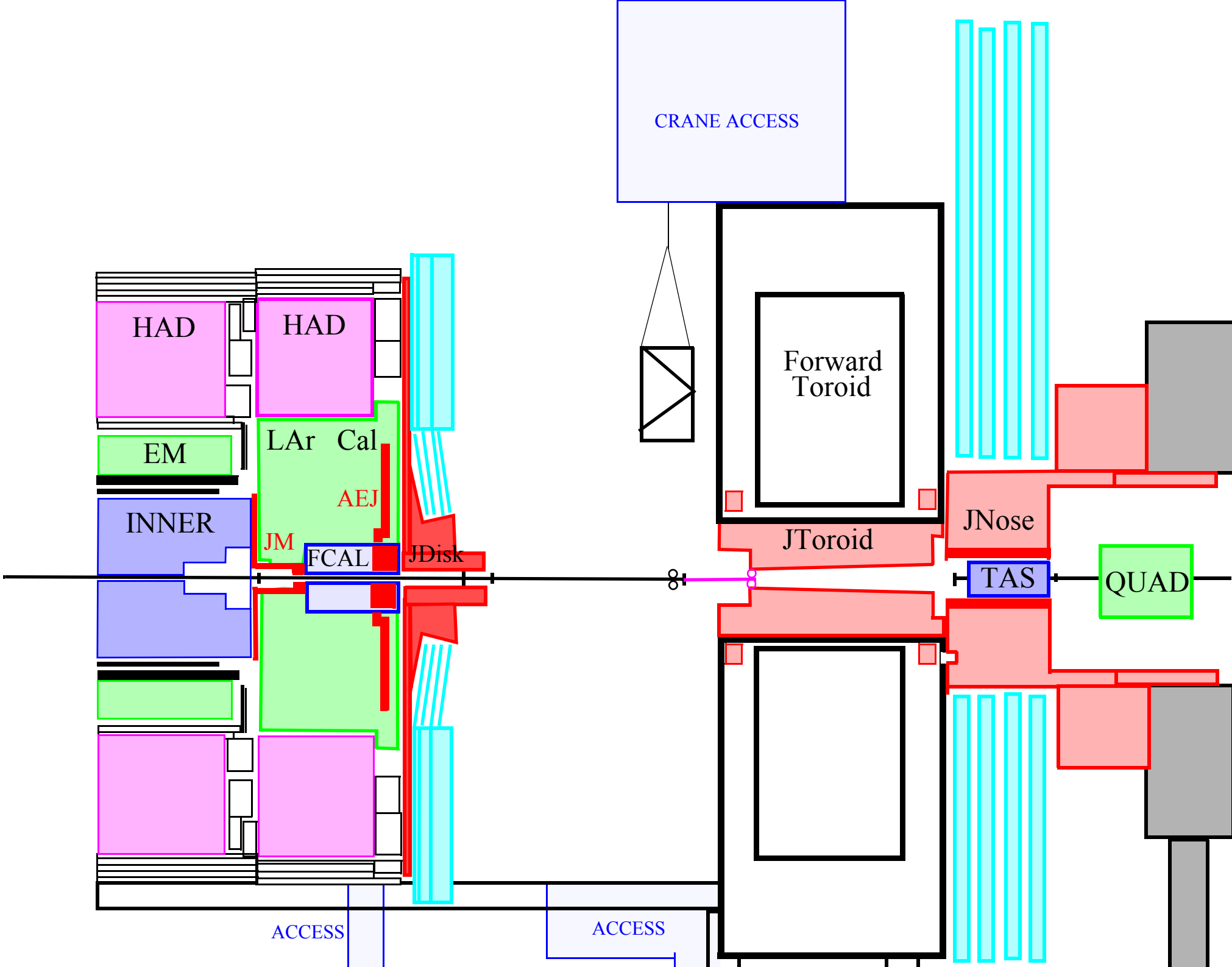

CRANE ACCESS
HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Flange
Forward
Toroid
JToroid
JNose
TAS
QUAD
ACCESS
ACCESS


CRANE ACCESS
HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Support
Vacuum
test
Forward
Toroid
JToroid
JNose
TAS
QUAD
ACCESS
ACCESS

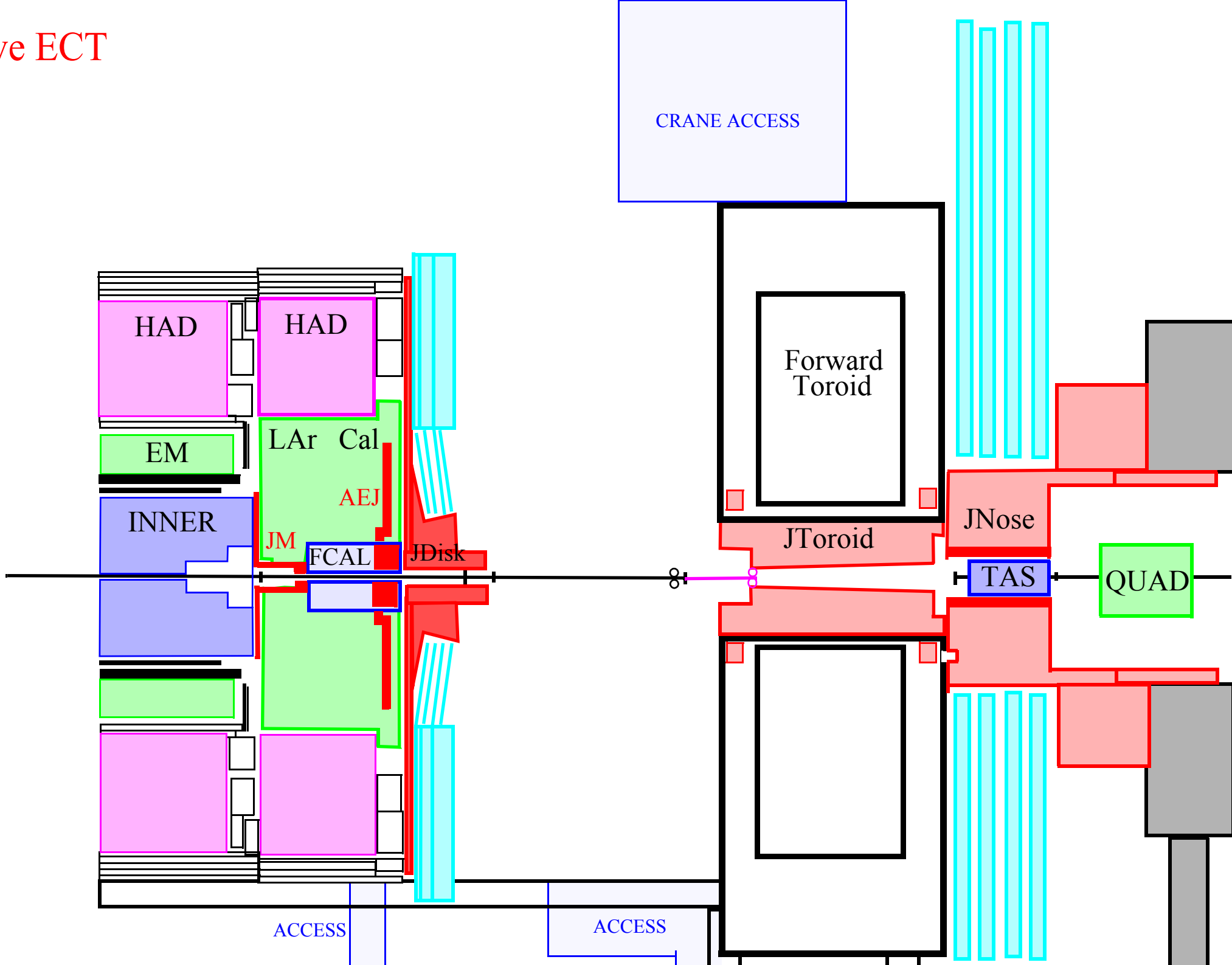
Remove scaffolding.

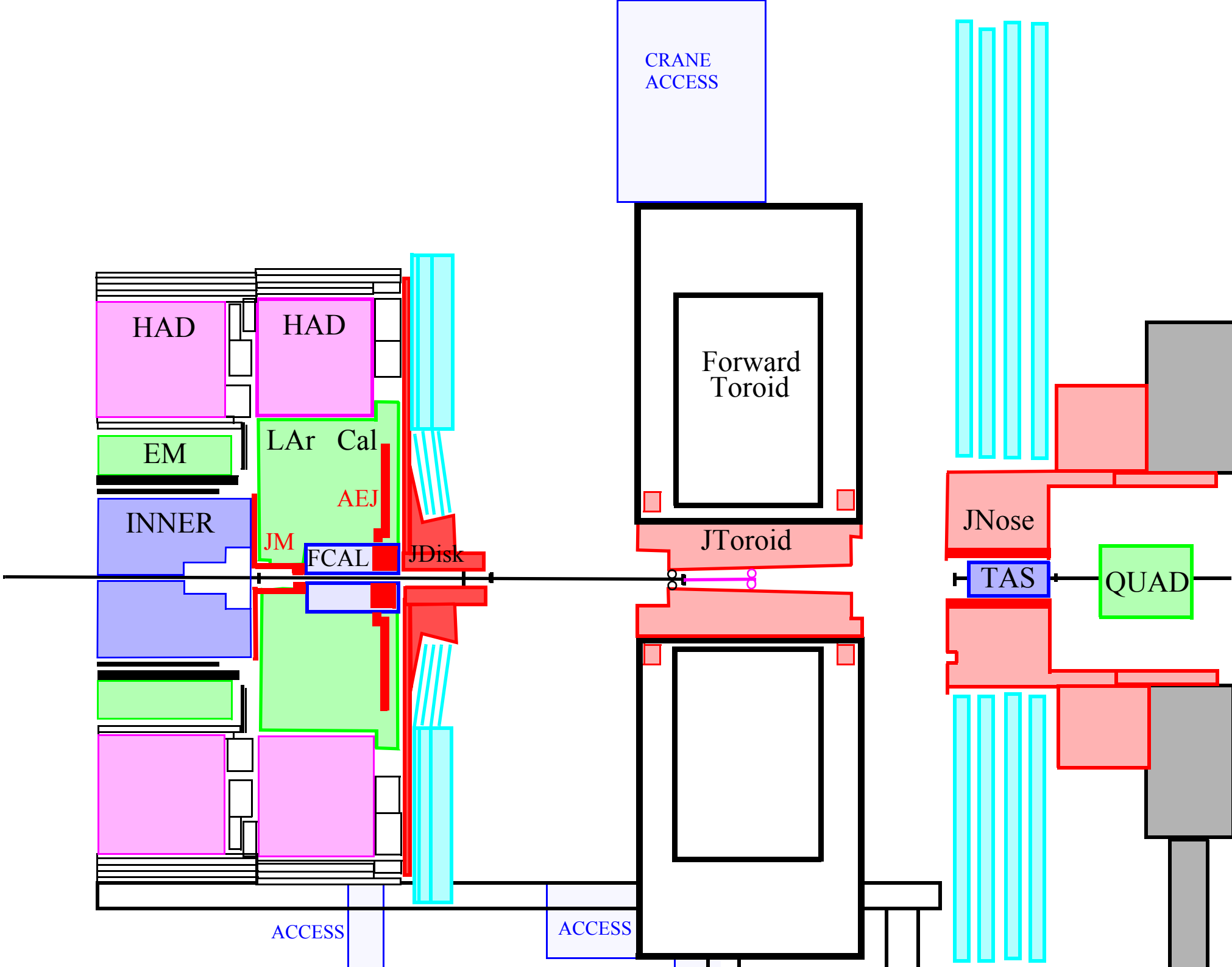


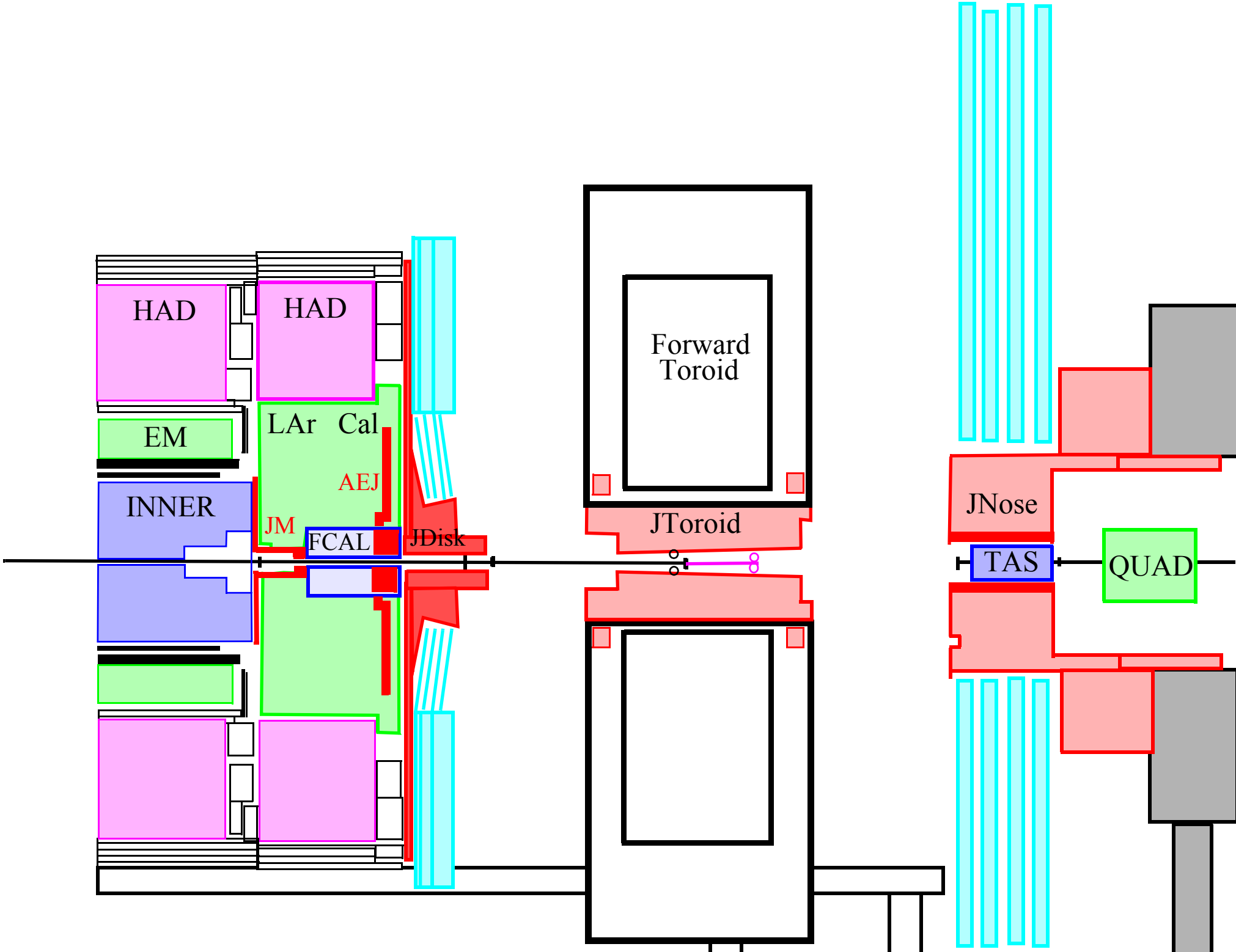

CRANE ACCESS
HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD
ACCESS
ACCESS

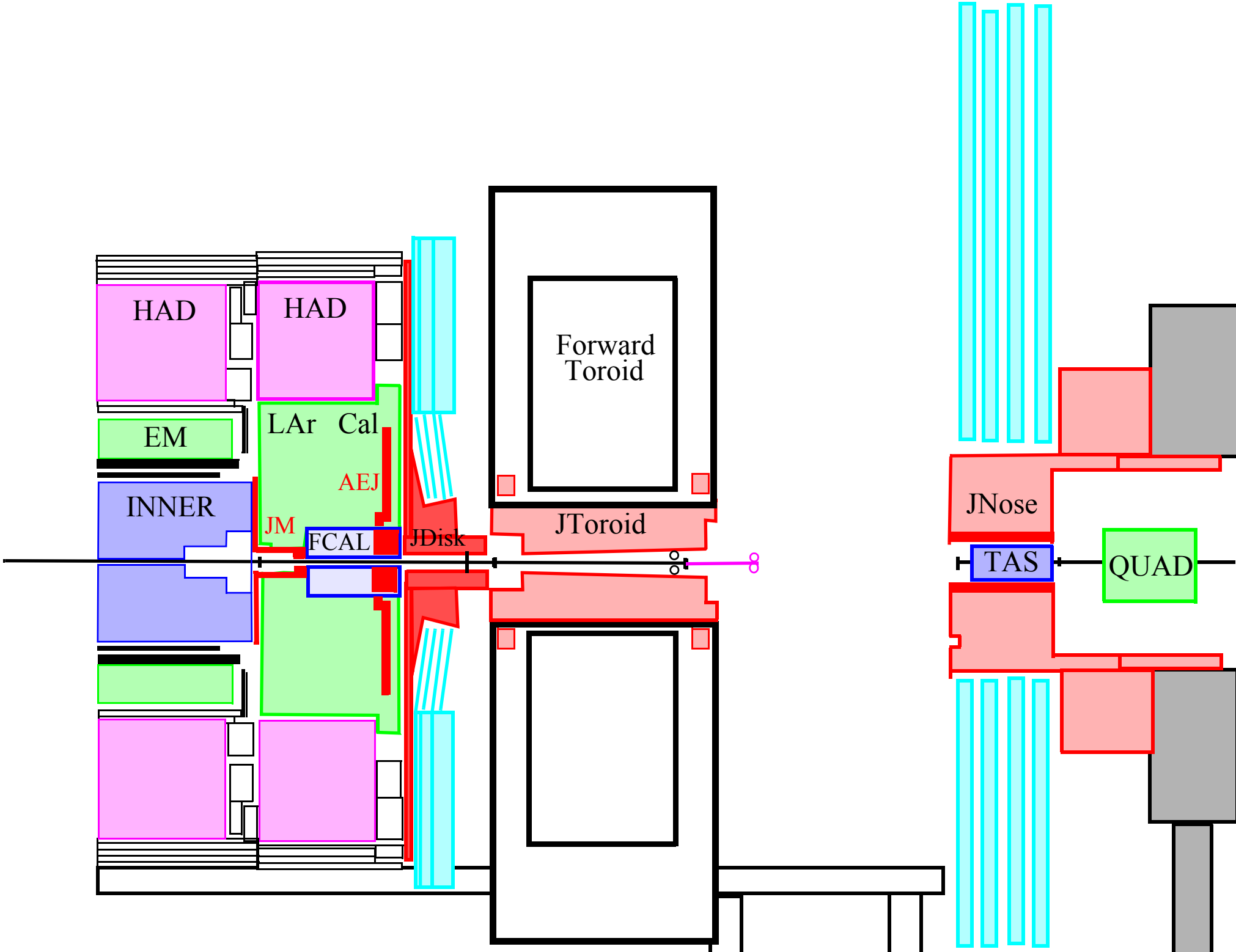

CRANE ACCESS
HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD
ACCESS
ACCESS

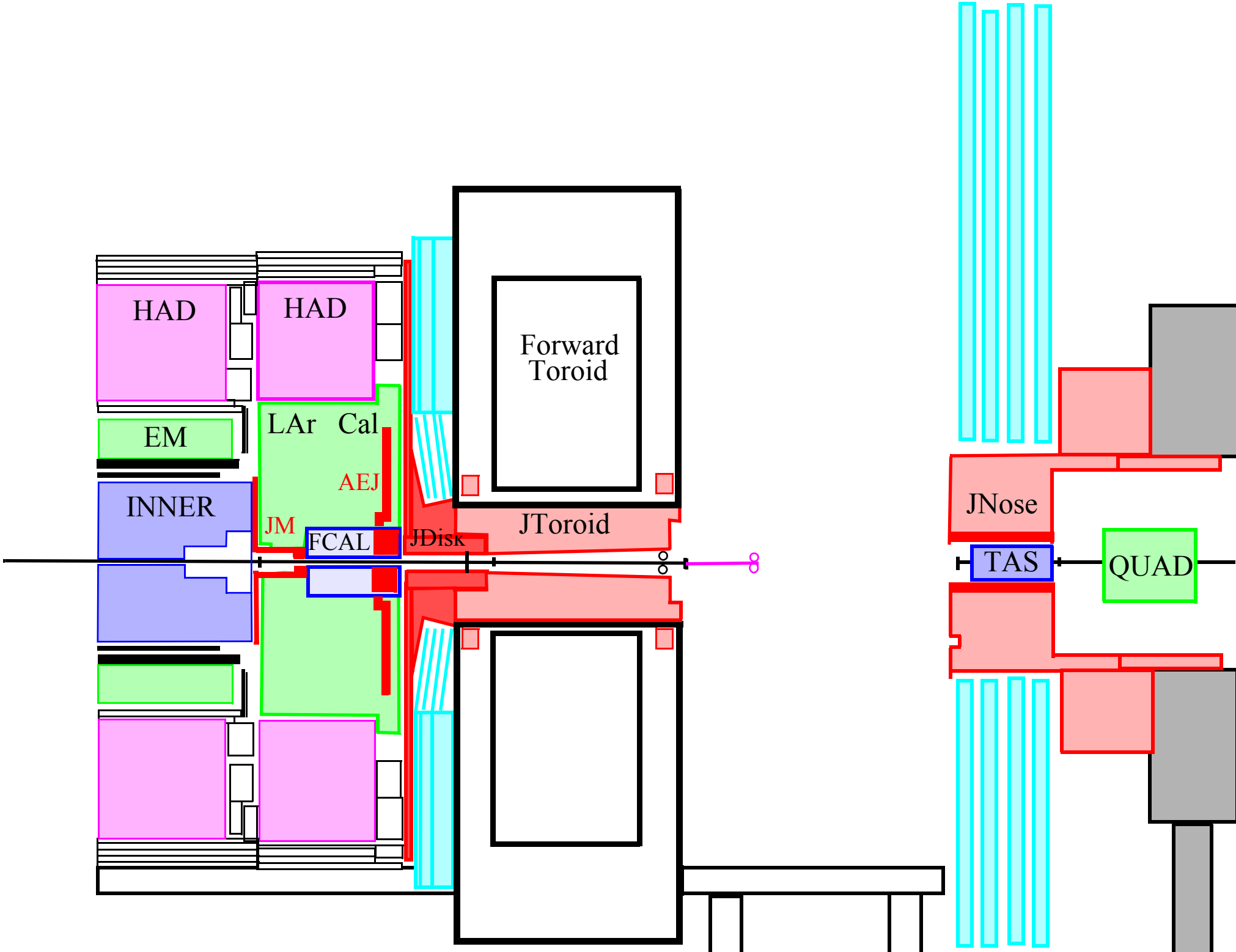
Move ECT


CRANE ACCESS
HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward Toroid
JToroid
JNose
TAS
QUAD
ACCESS
ACCESS

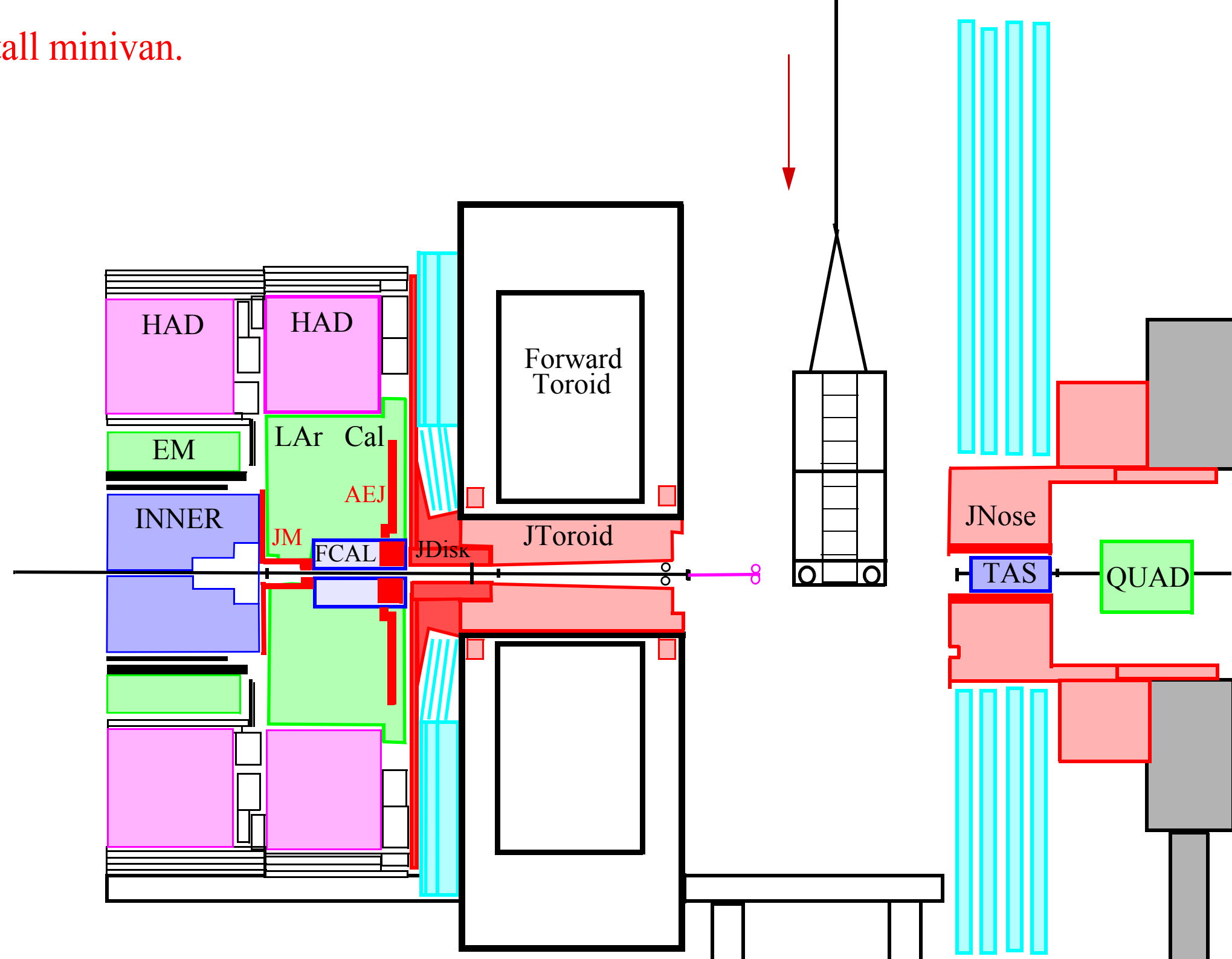

CRANE
ACCESS
HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD
ACCESS
ACCESS

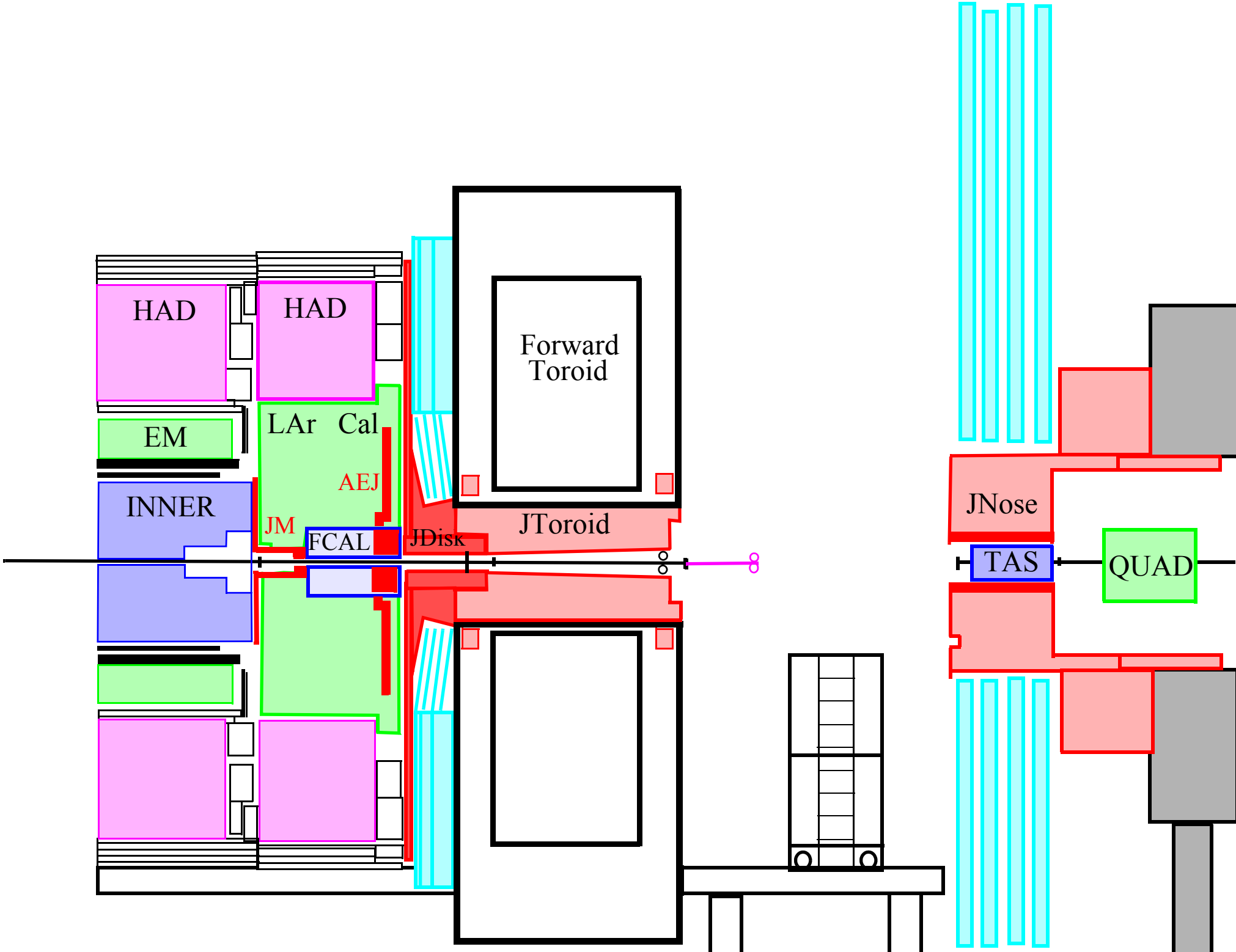

HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD

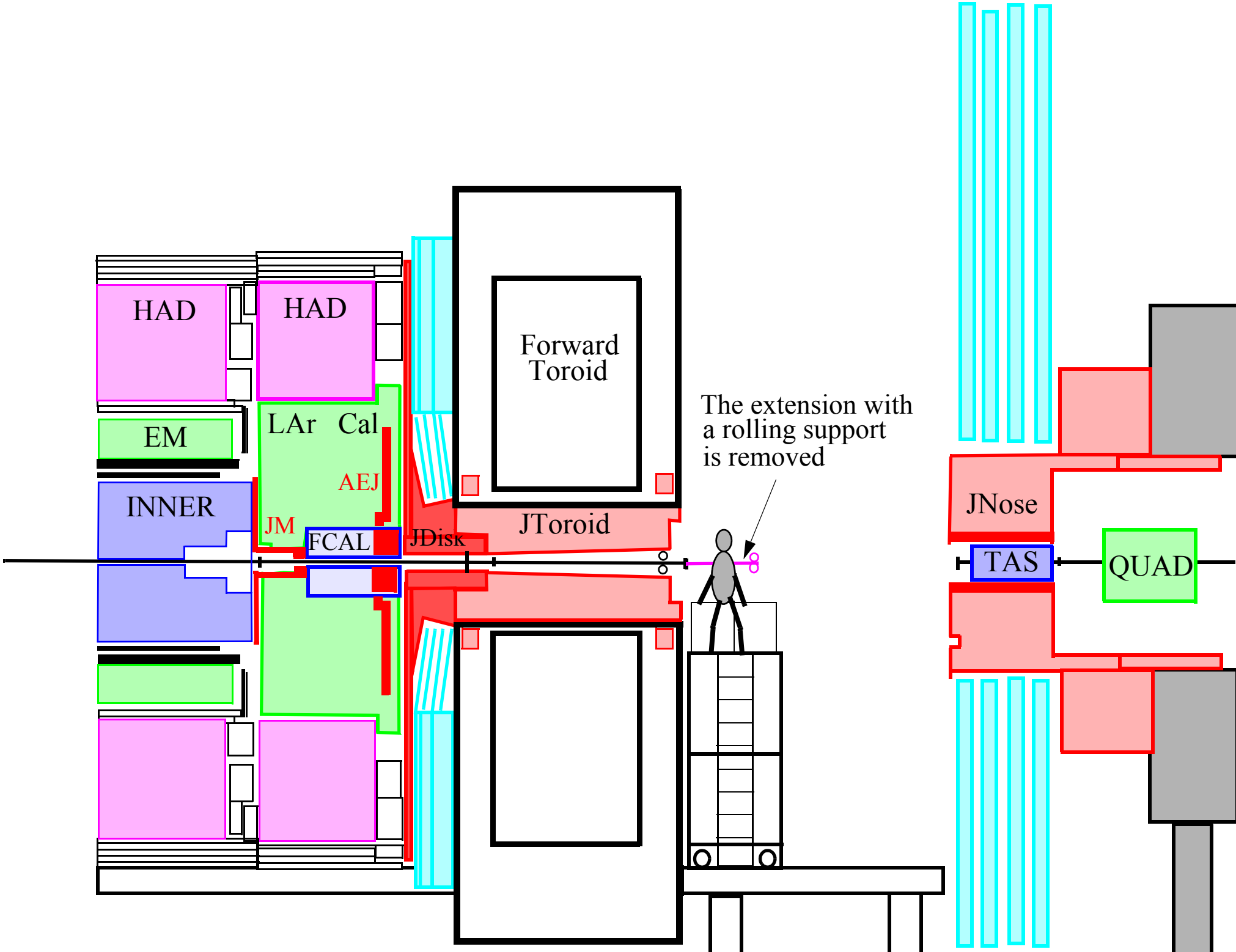

HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD

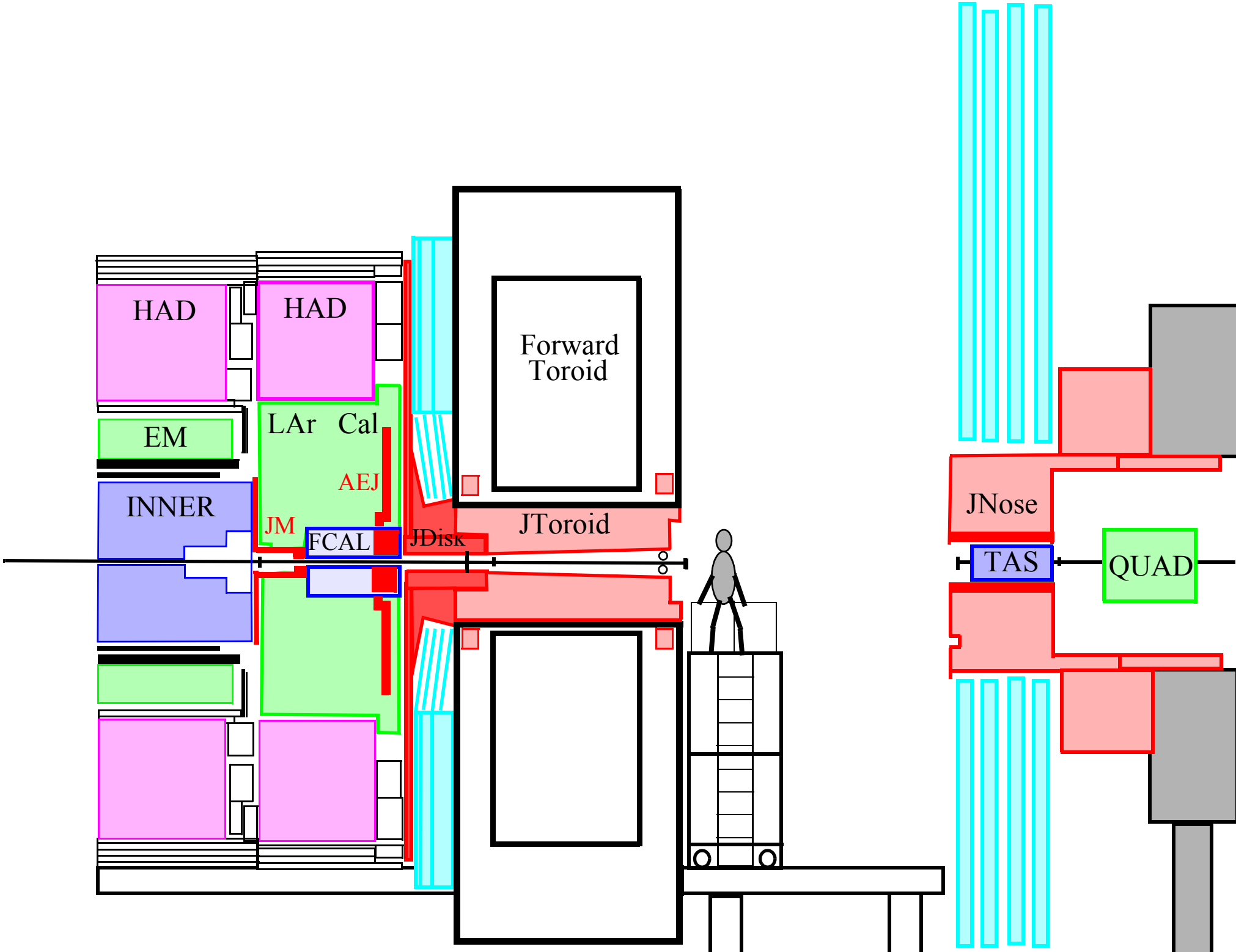

HAD
HAD
EM
INNER
LAr Cal
AEJ
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD

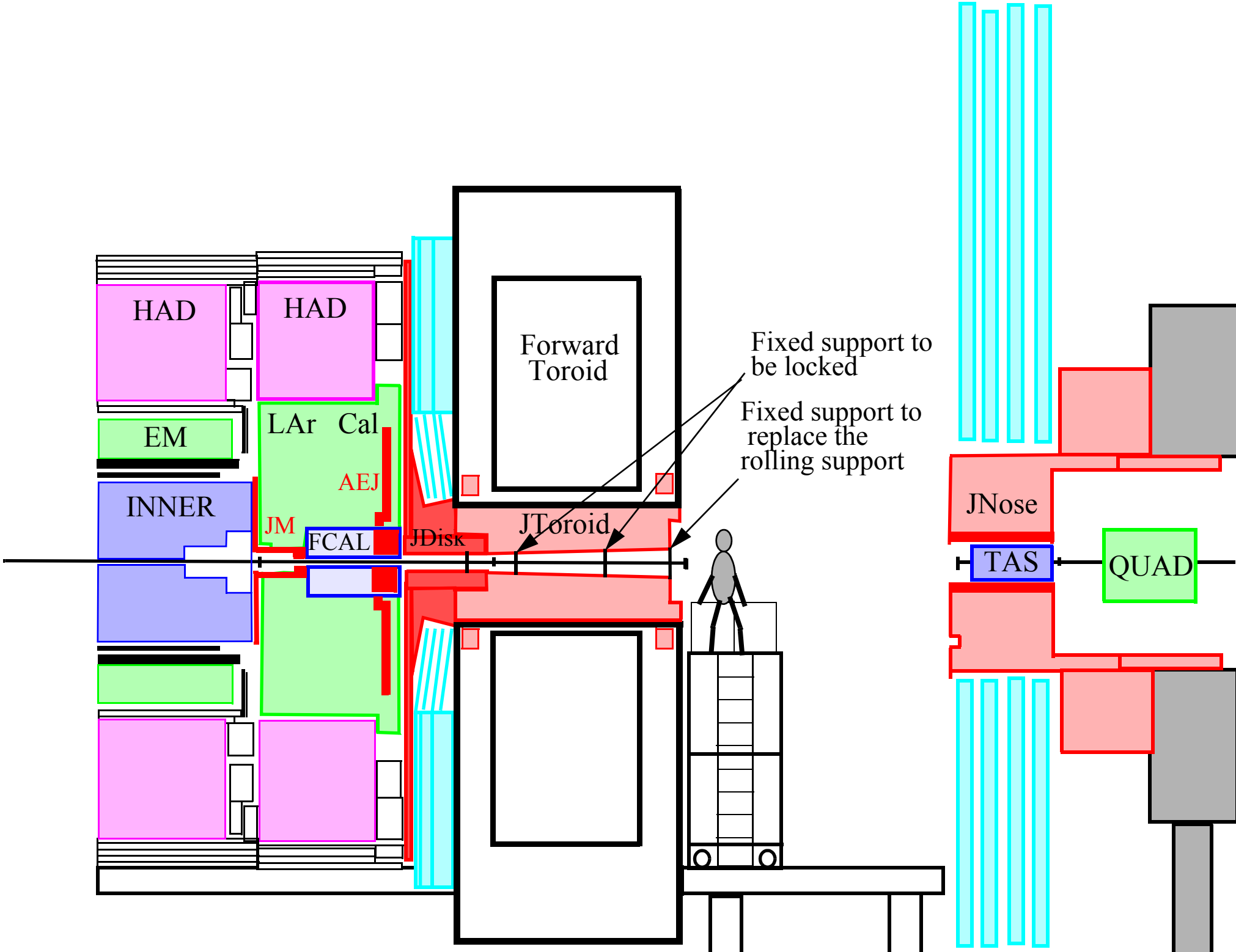
Install minivan.



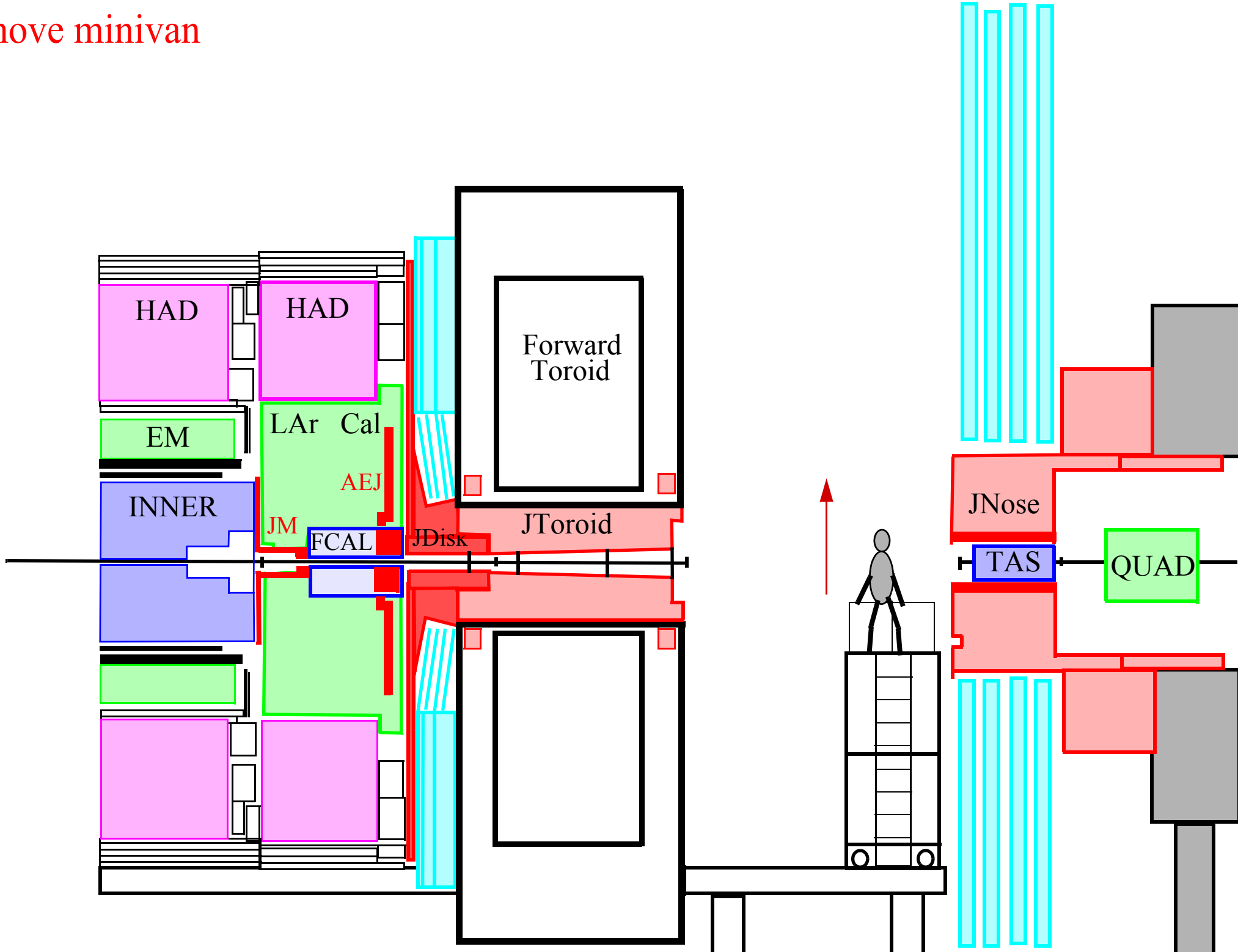

HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD


HAD
HAD
EM
INNER
LAr Cal
AEJ
JM
FCAL
JDisk
Forward
Toroid
JToroid
The extension with
a rolling support
is removed
JNose
TAS
QUAD

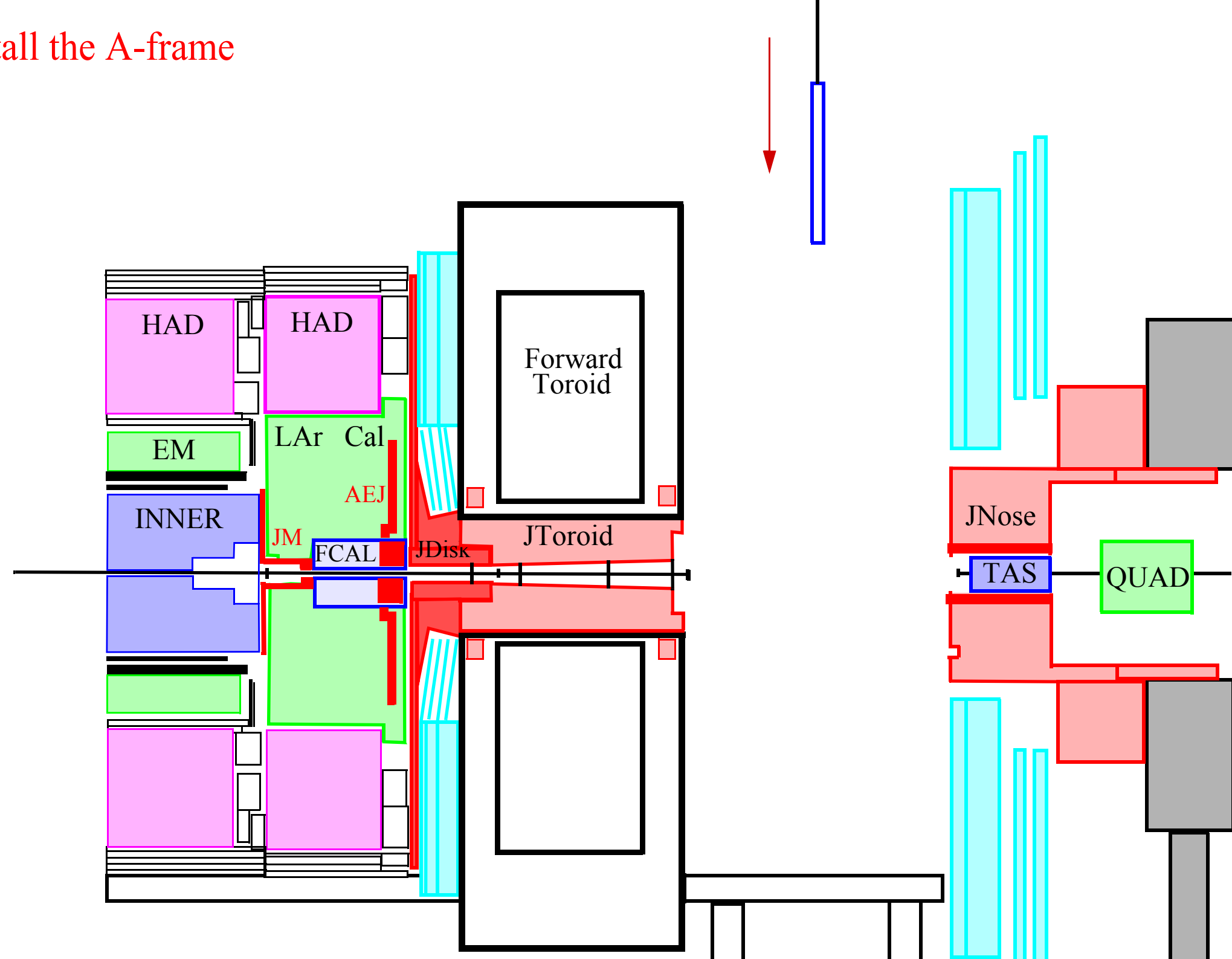

HAD
HAD
EM
INNER
LAr Cal
AEJ
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD

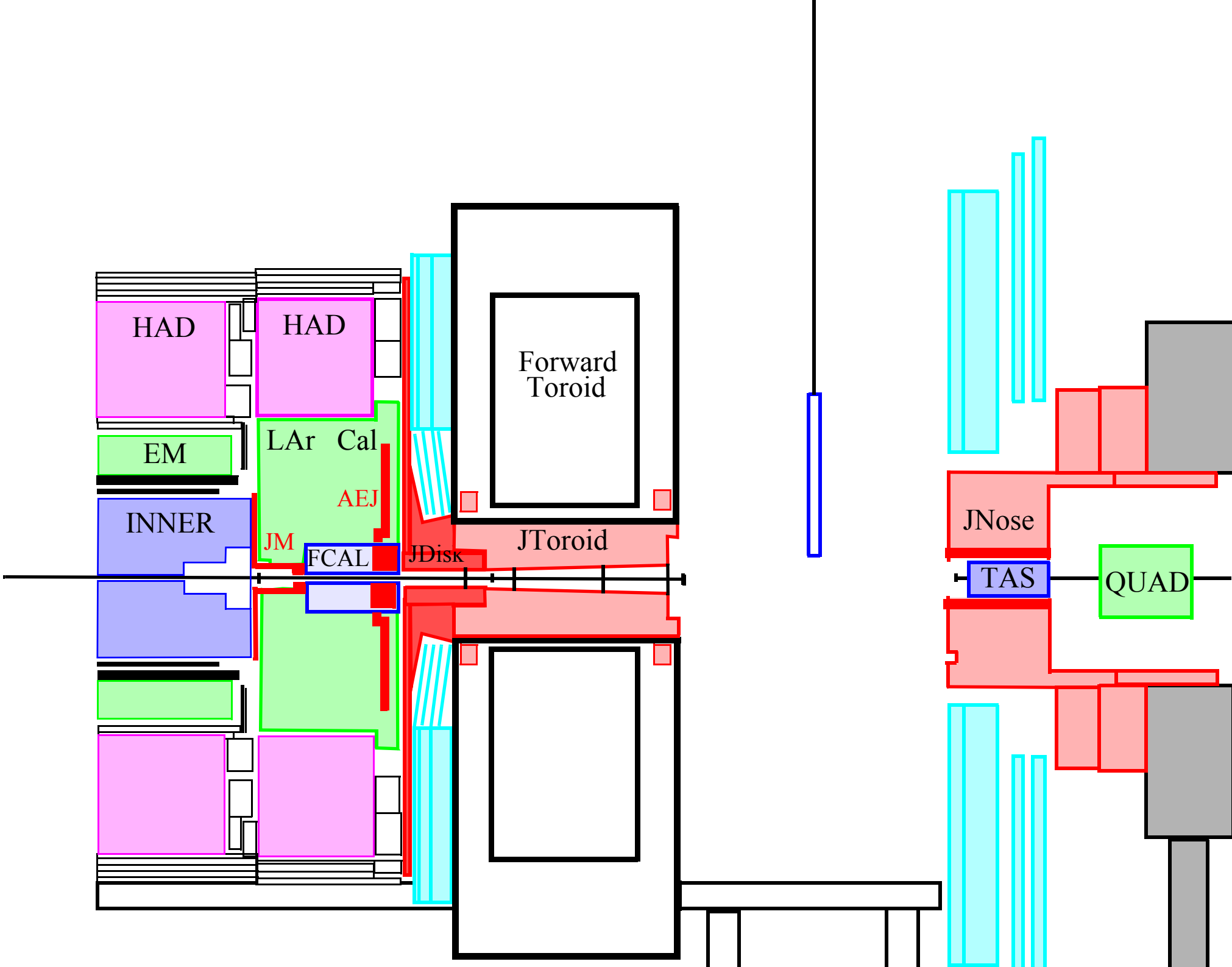

HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
Fixed support to
be locked
Fixed support to
replace the
rolling support
JNose
TAS
QUAD

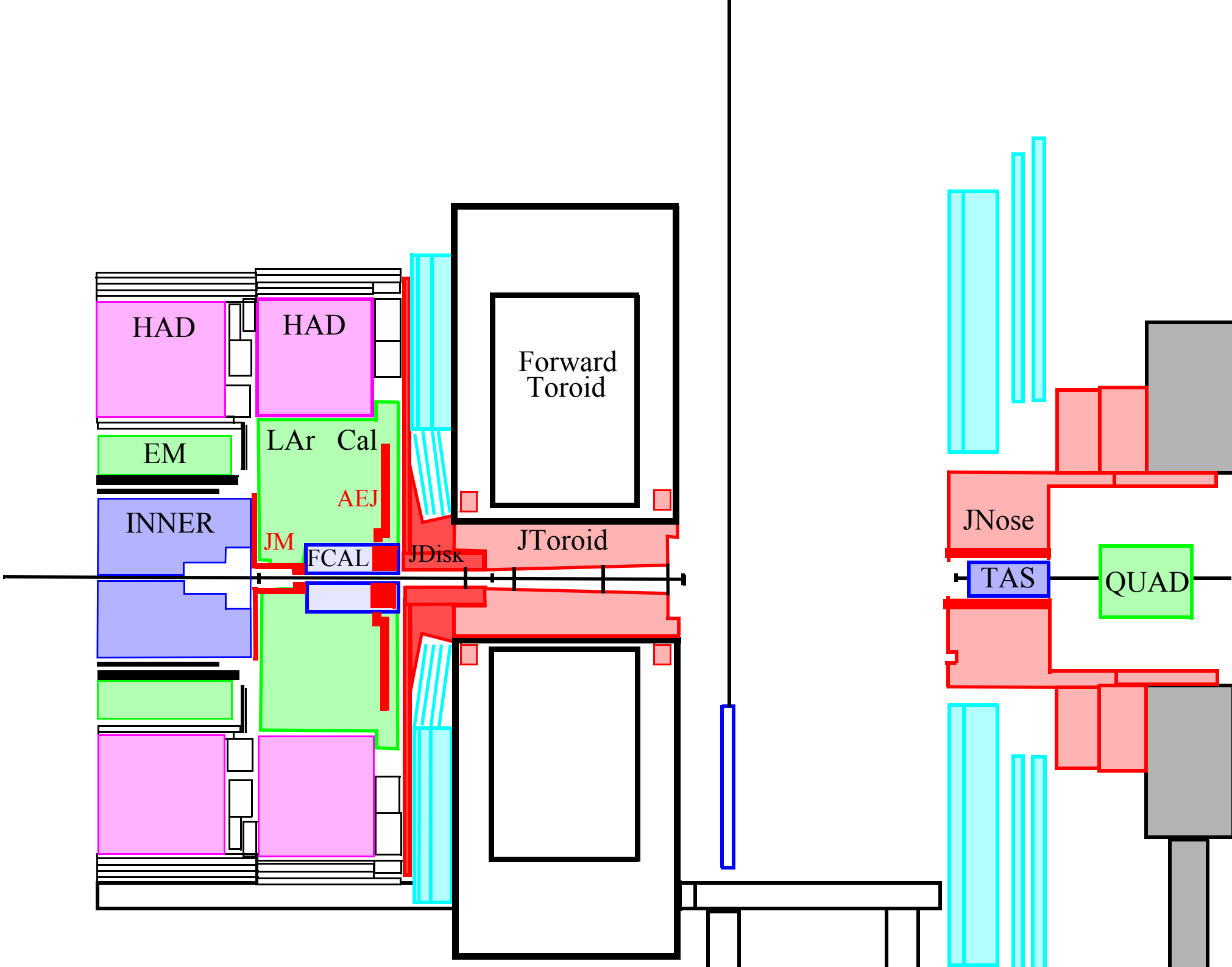
Remove minivan

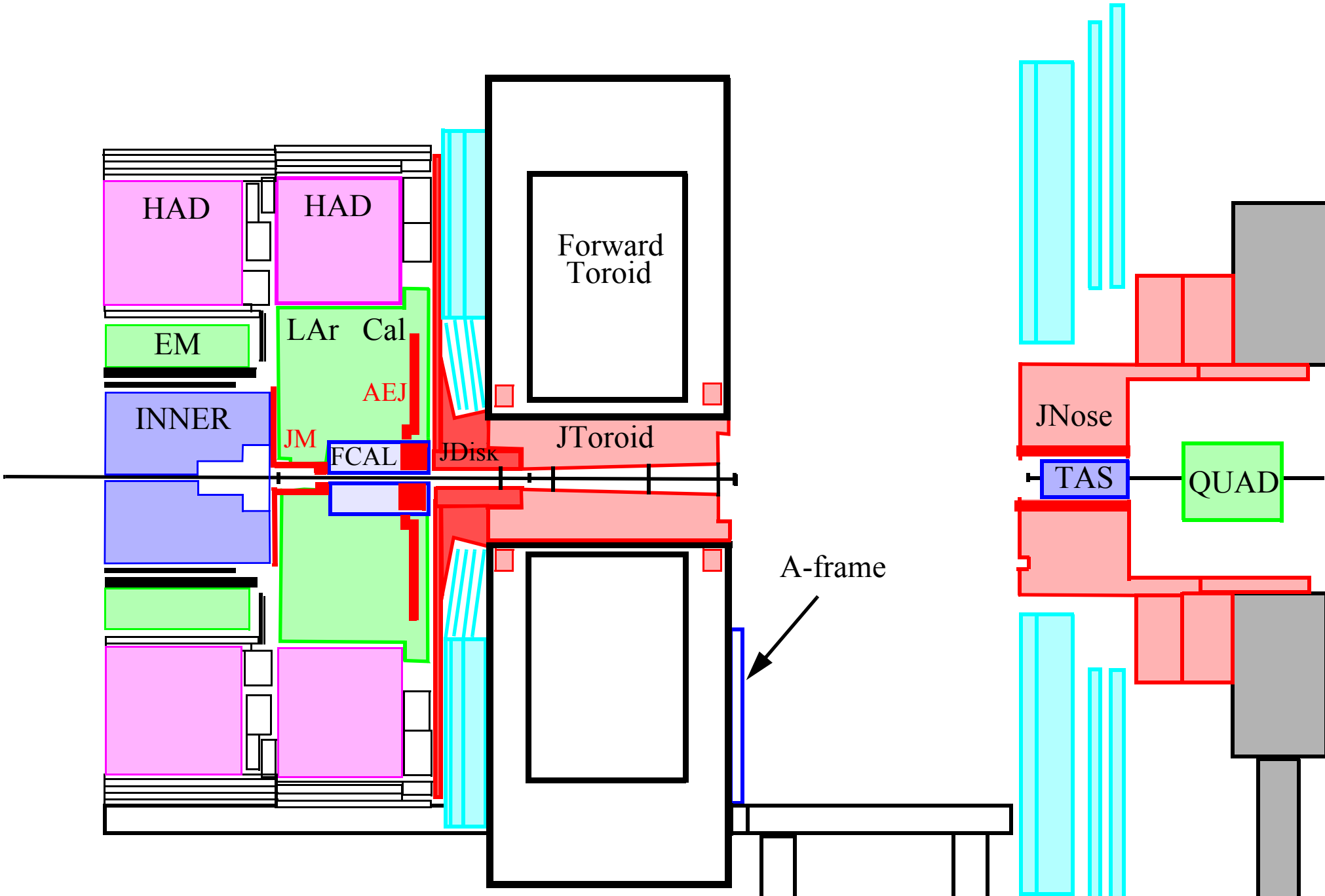


Install the A-frame

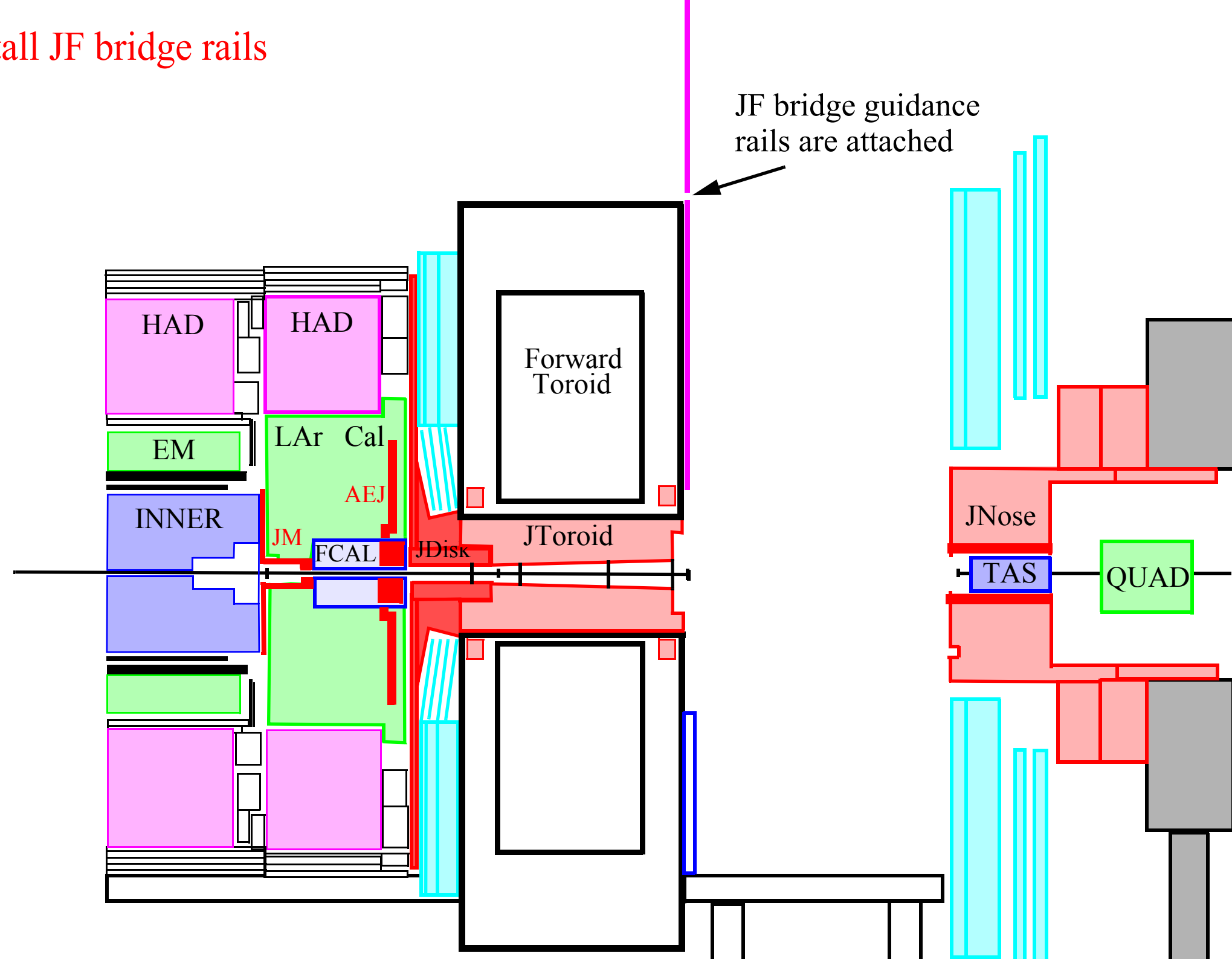



HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD

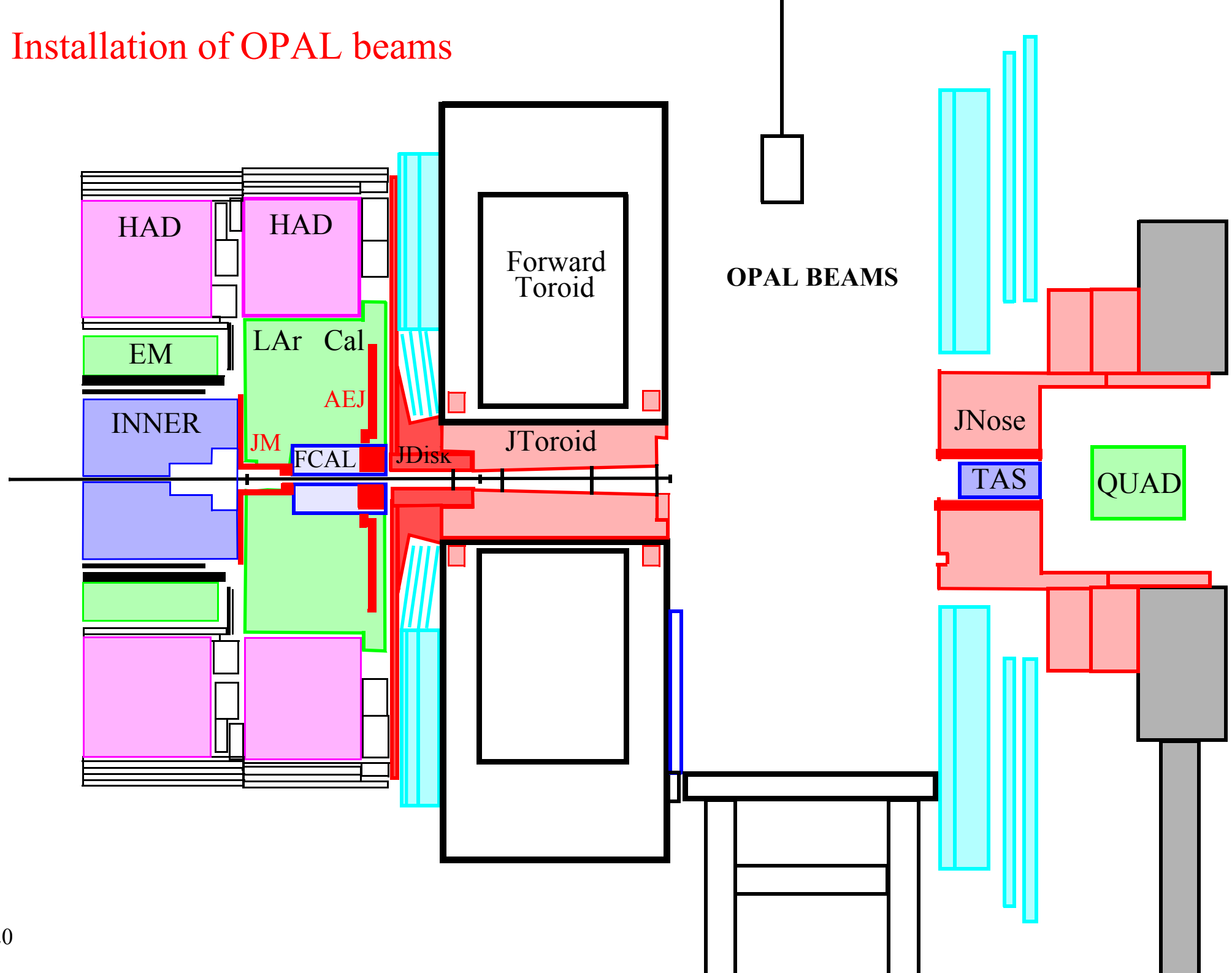

HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD

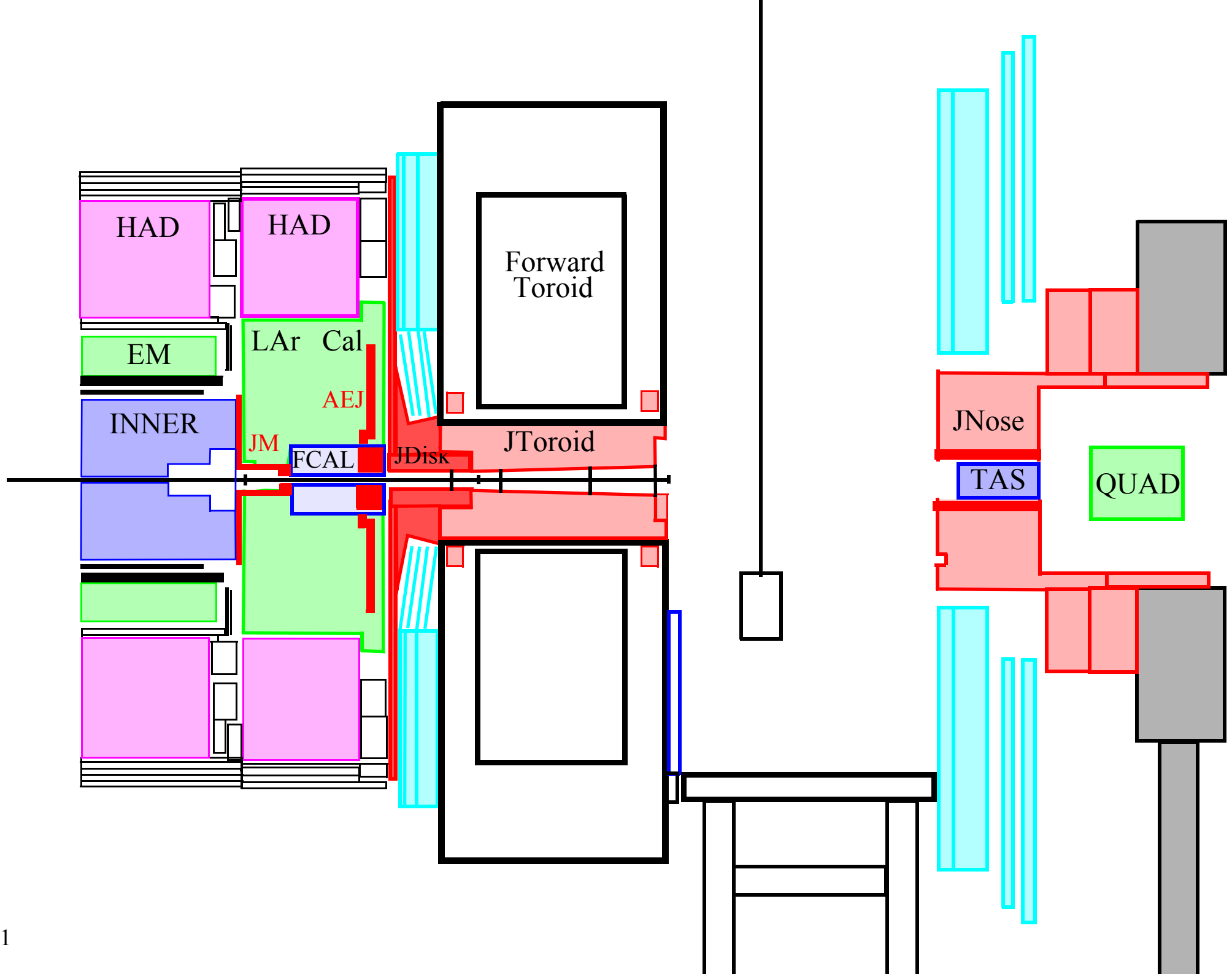

HAD
HAD
EM
INNER
LAr Cal
AEJ
JM
FCAL
JDisk
Forward
Toroid
JToroid
A-frame
JNose
TAS
QUAD

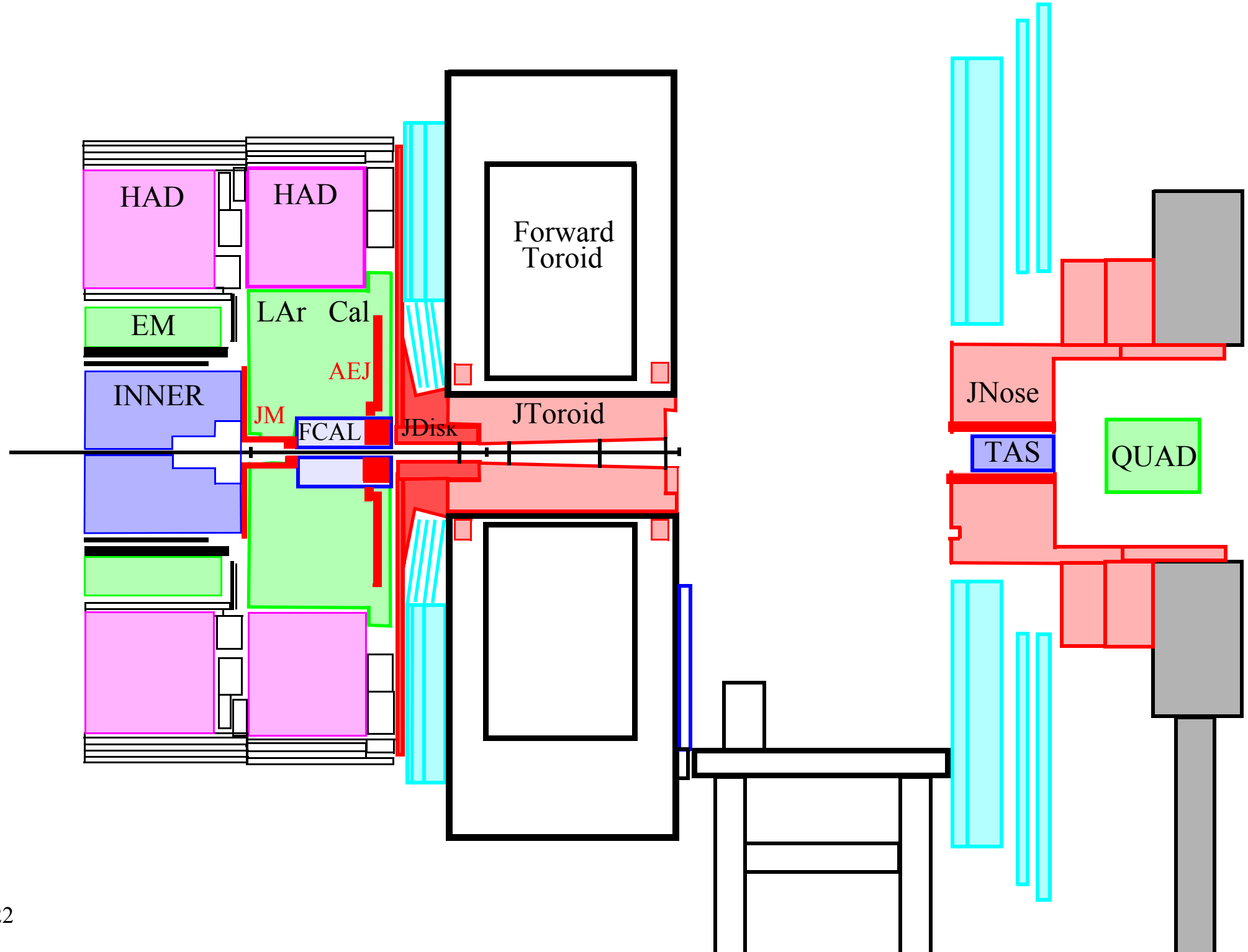
Install JF bridge rails

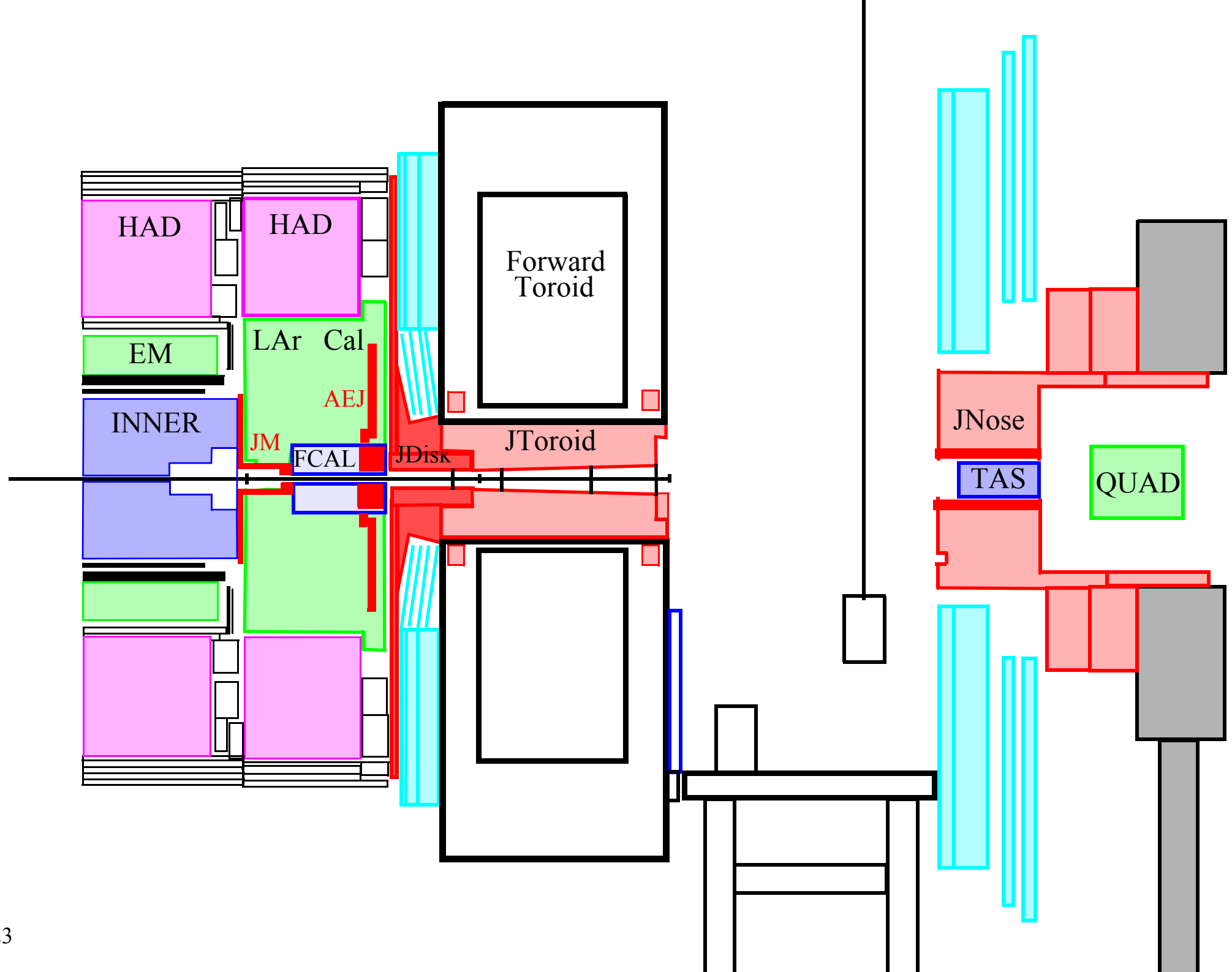


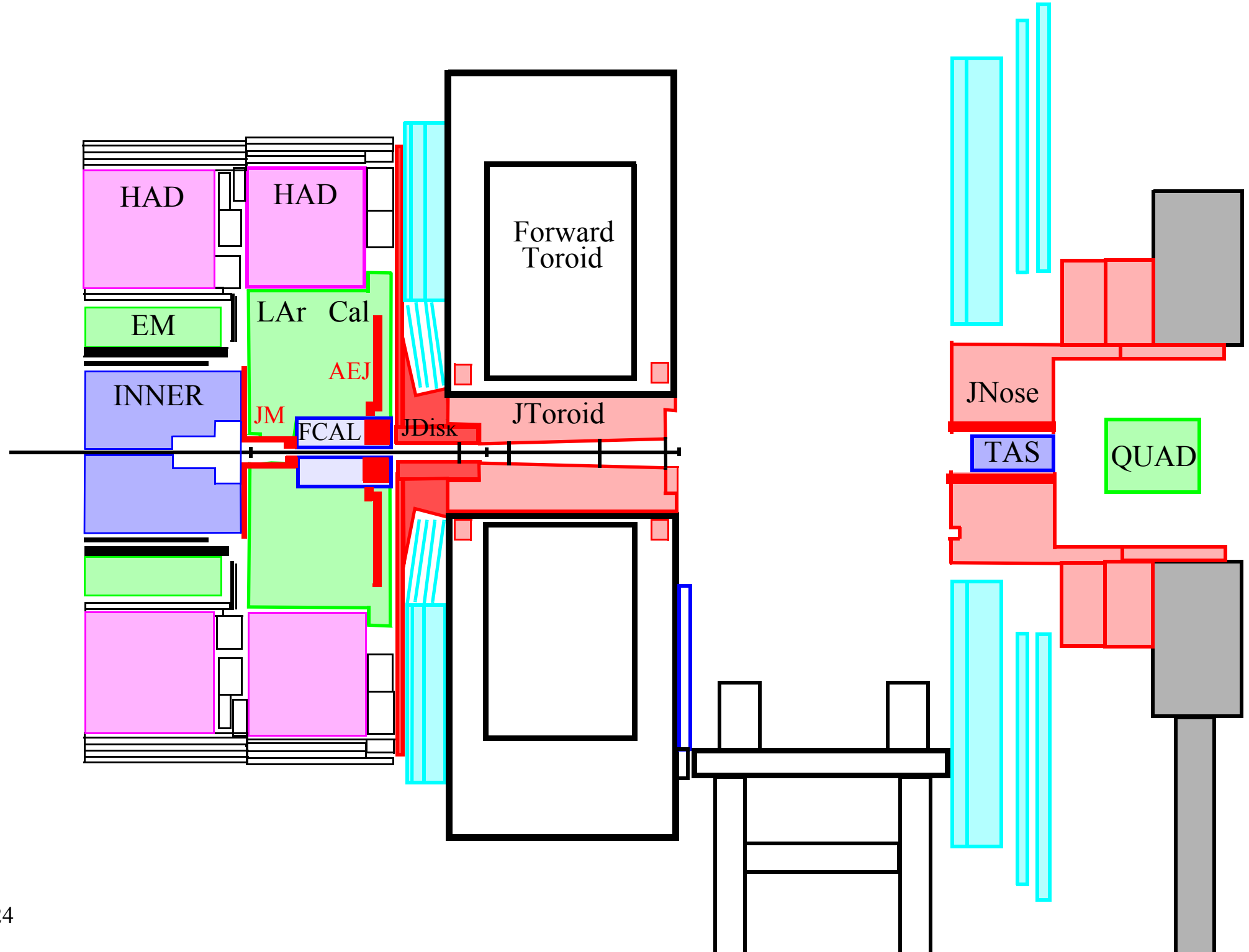
Installation of OPAL beams



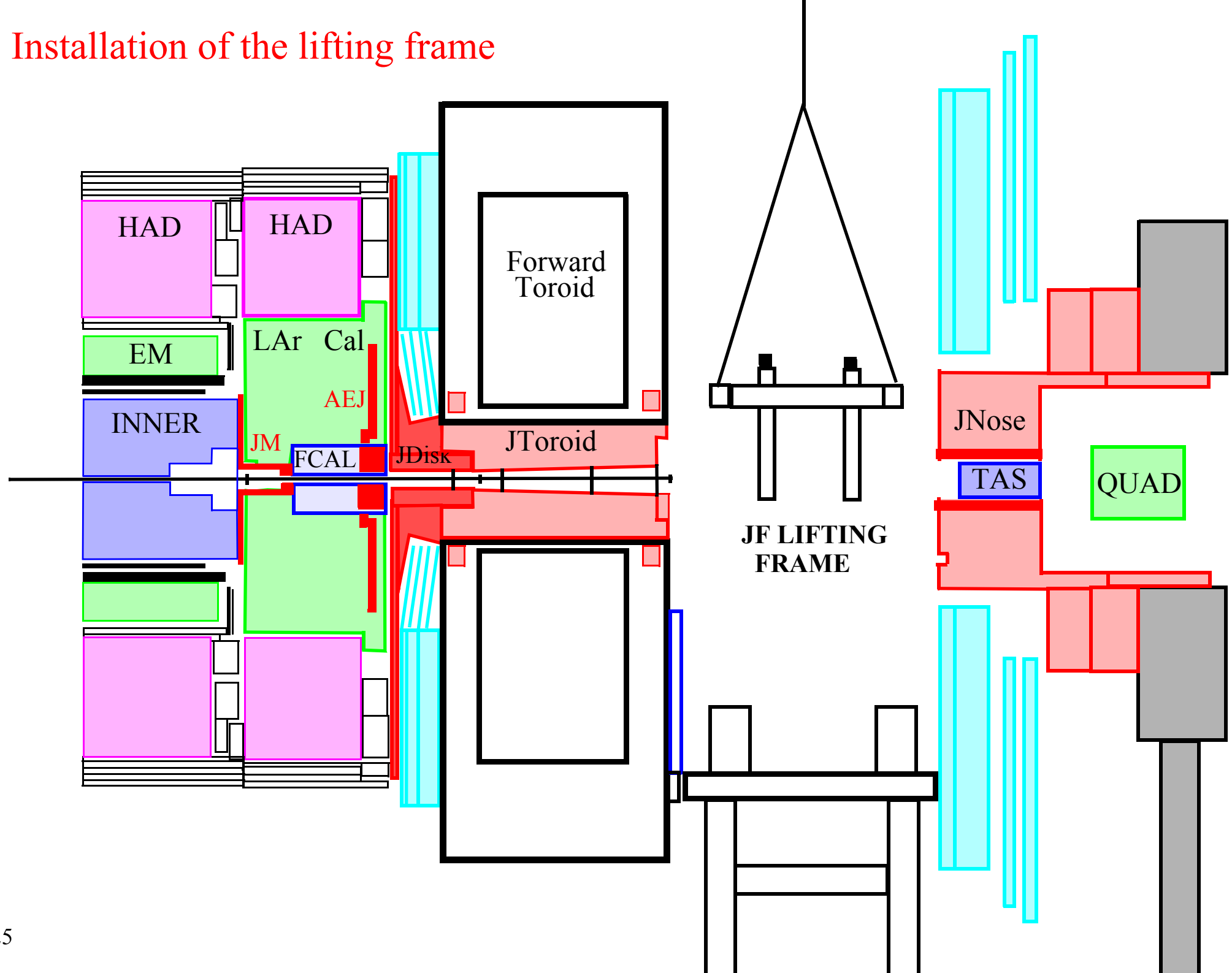

HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD

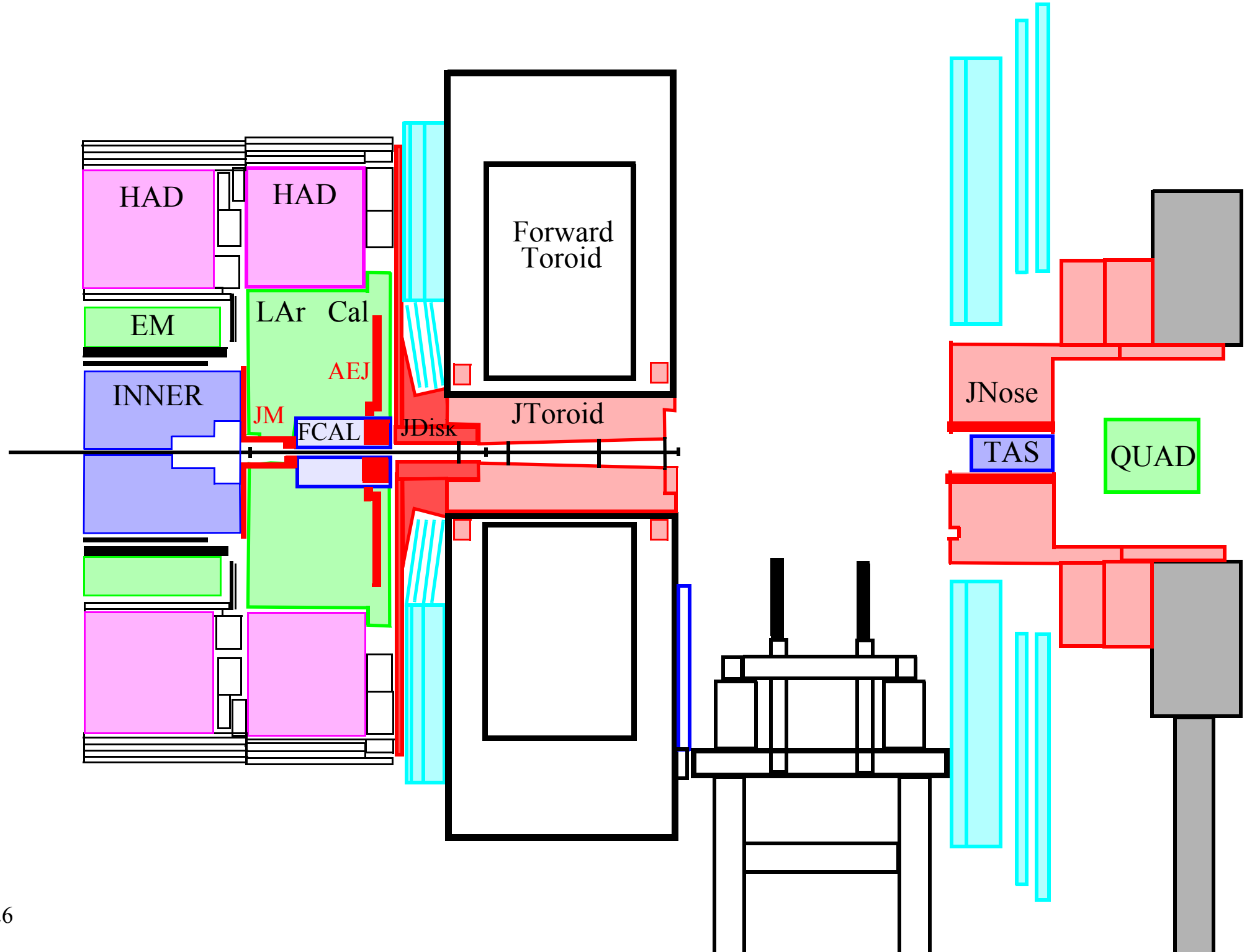

HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD


HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD

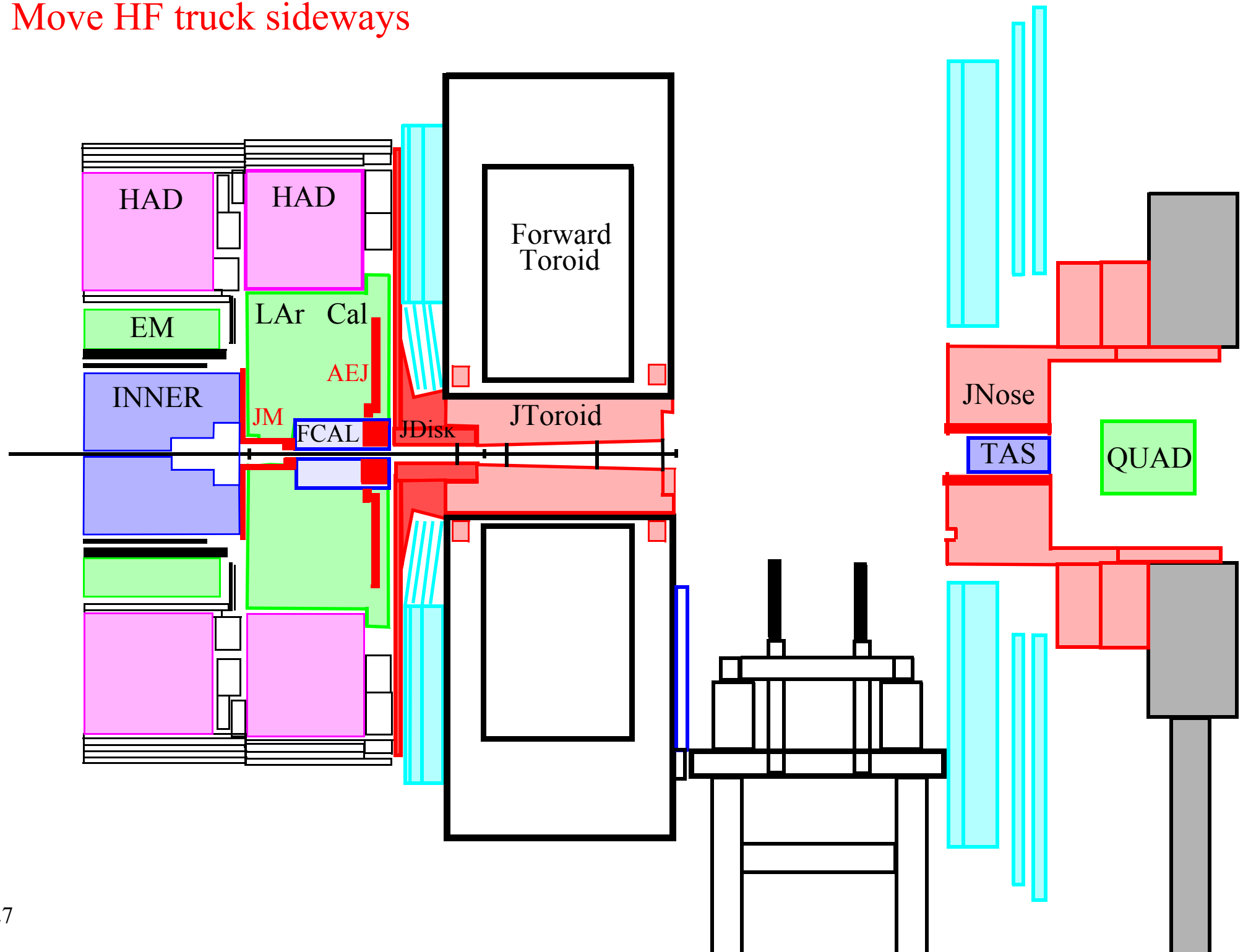

HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD

Installation of the lifting frame

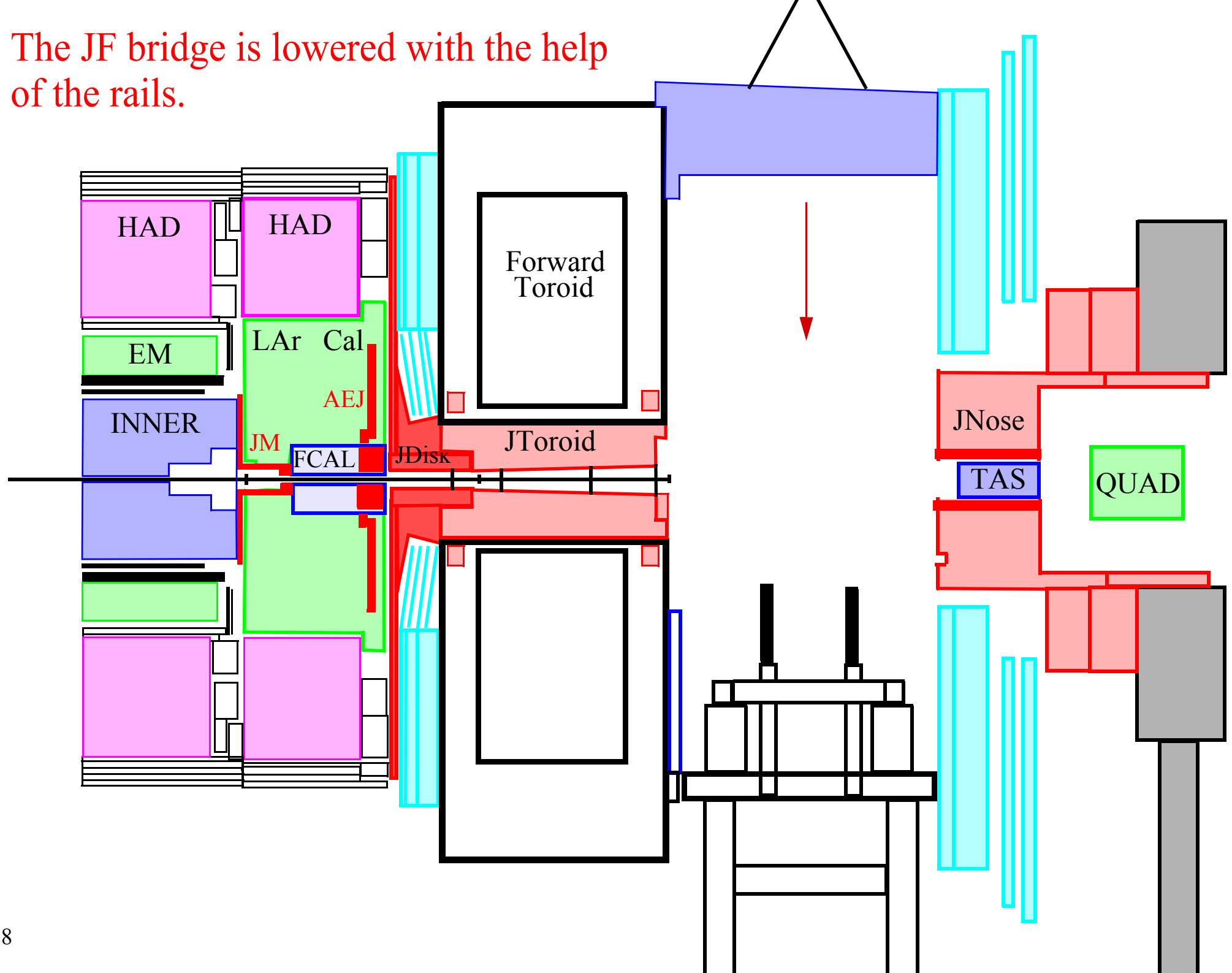


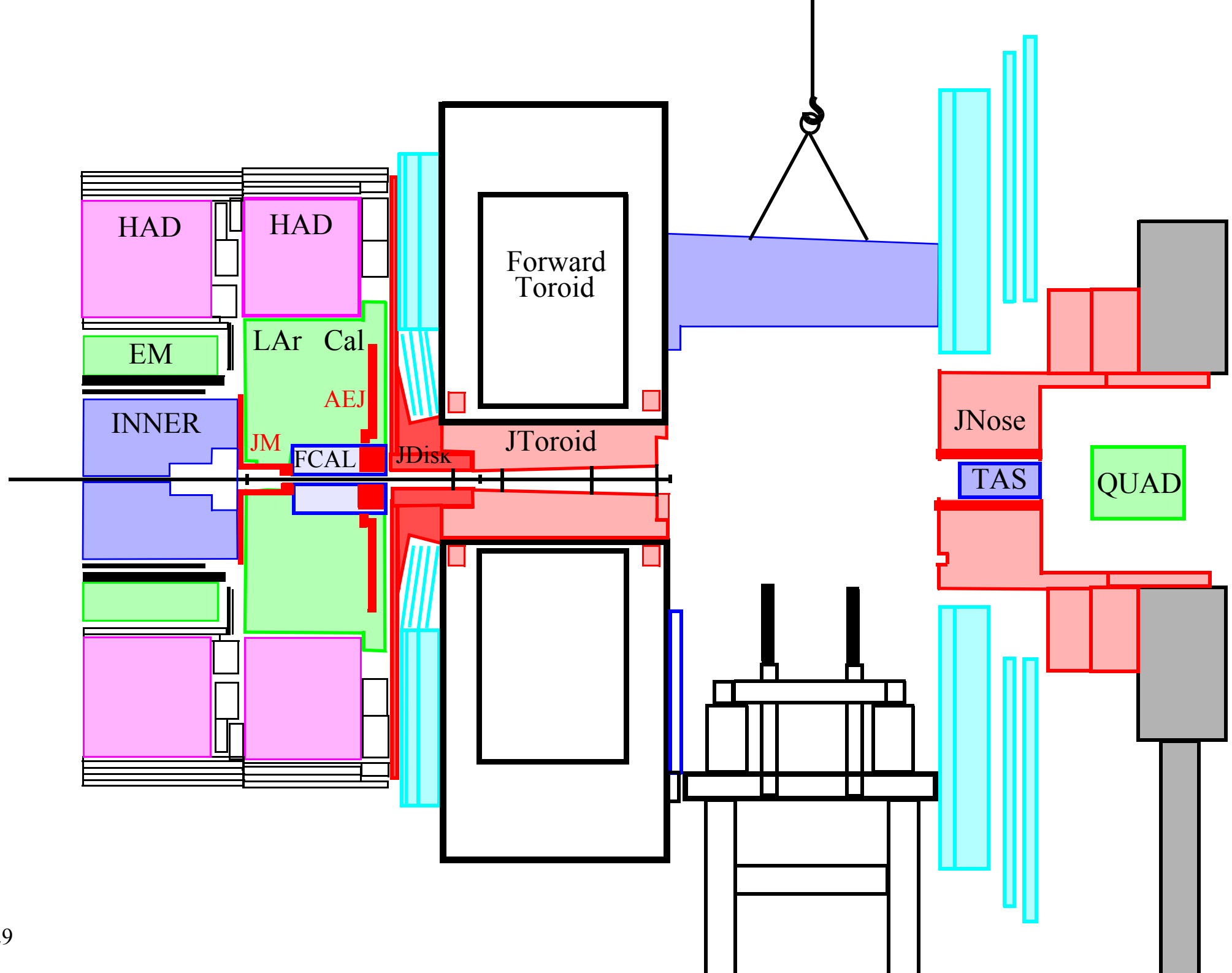

HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD

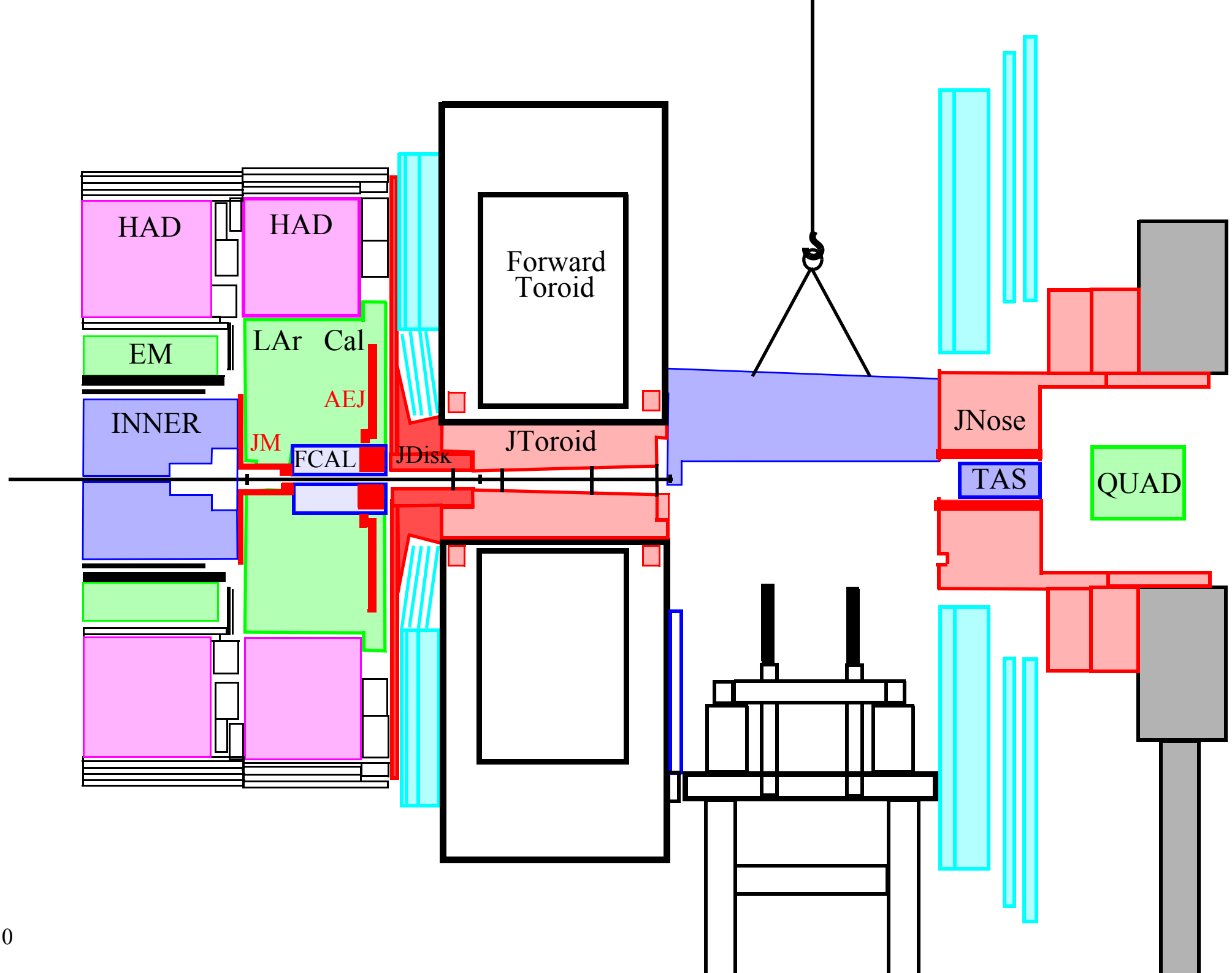
Move HF truck sideways



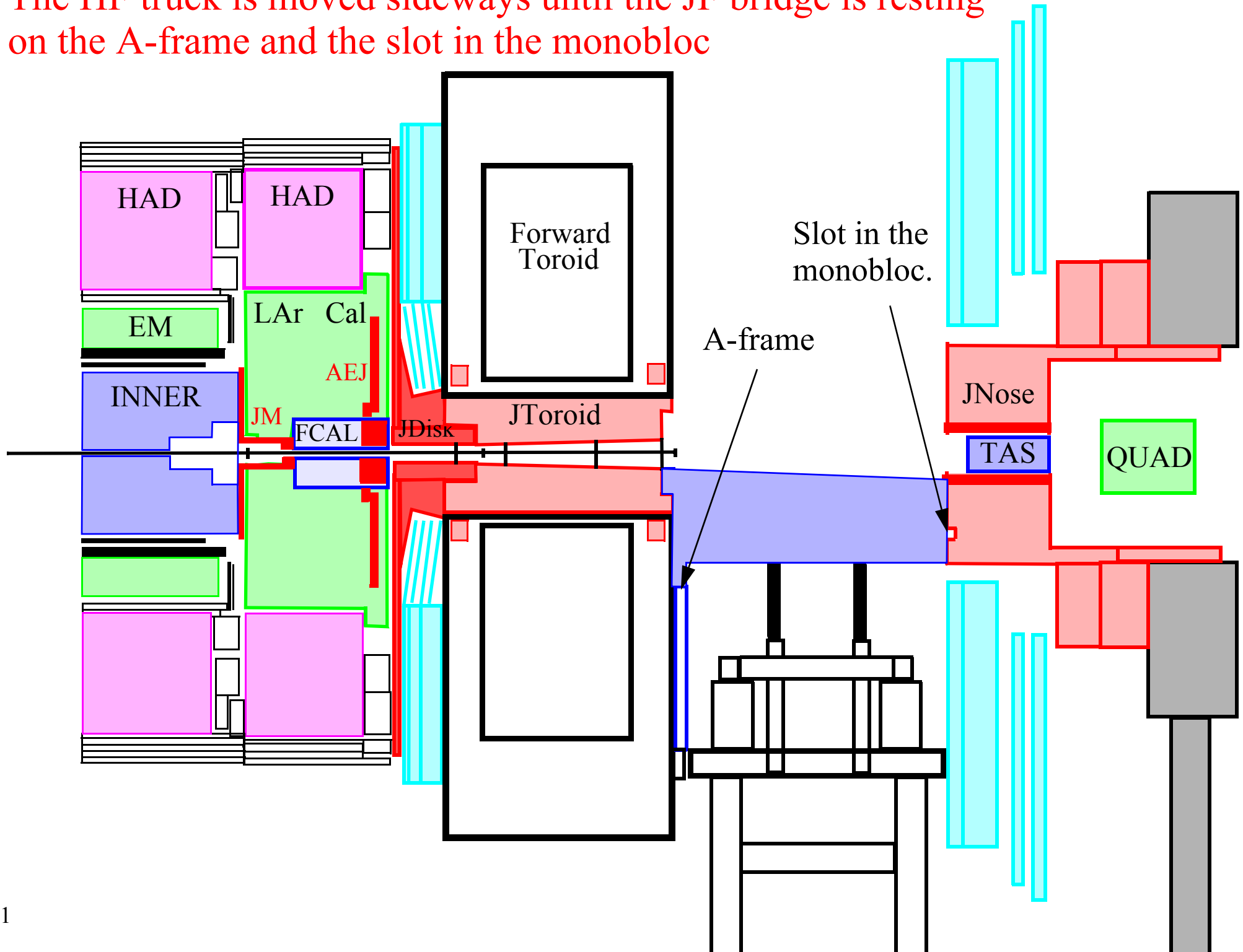
The JF bridge is lowered with the help of the rails.



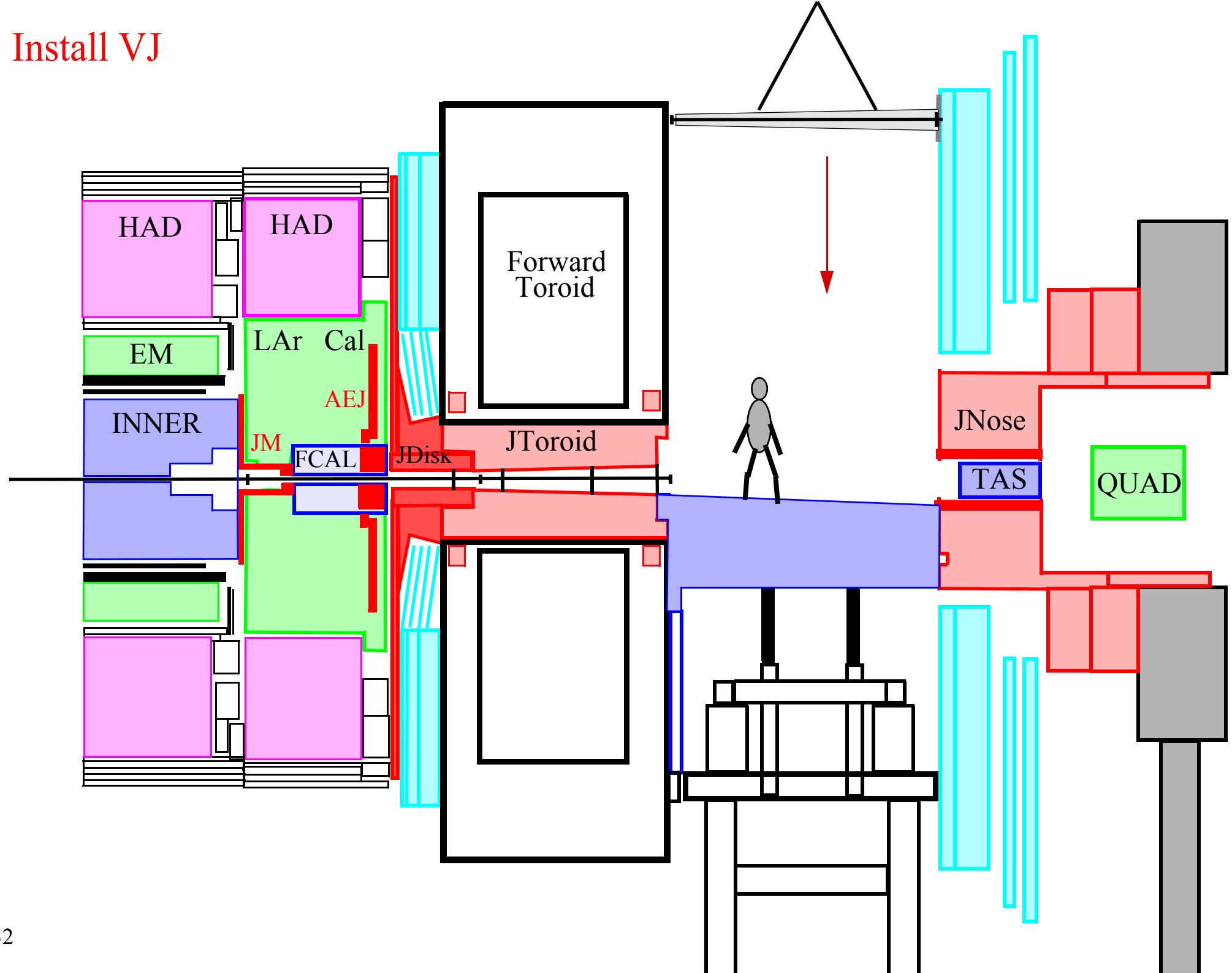

HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD


HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD

The HF truck is moved sideways until the JF bridge is resting on the A-frame and the slot in the monobloc



Install VJ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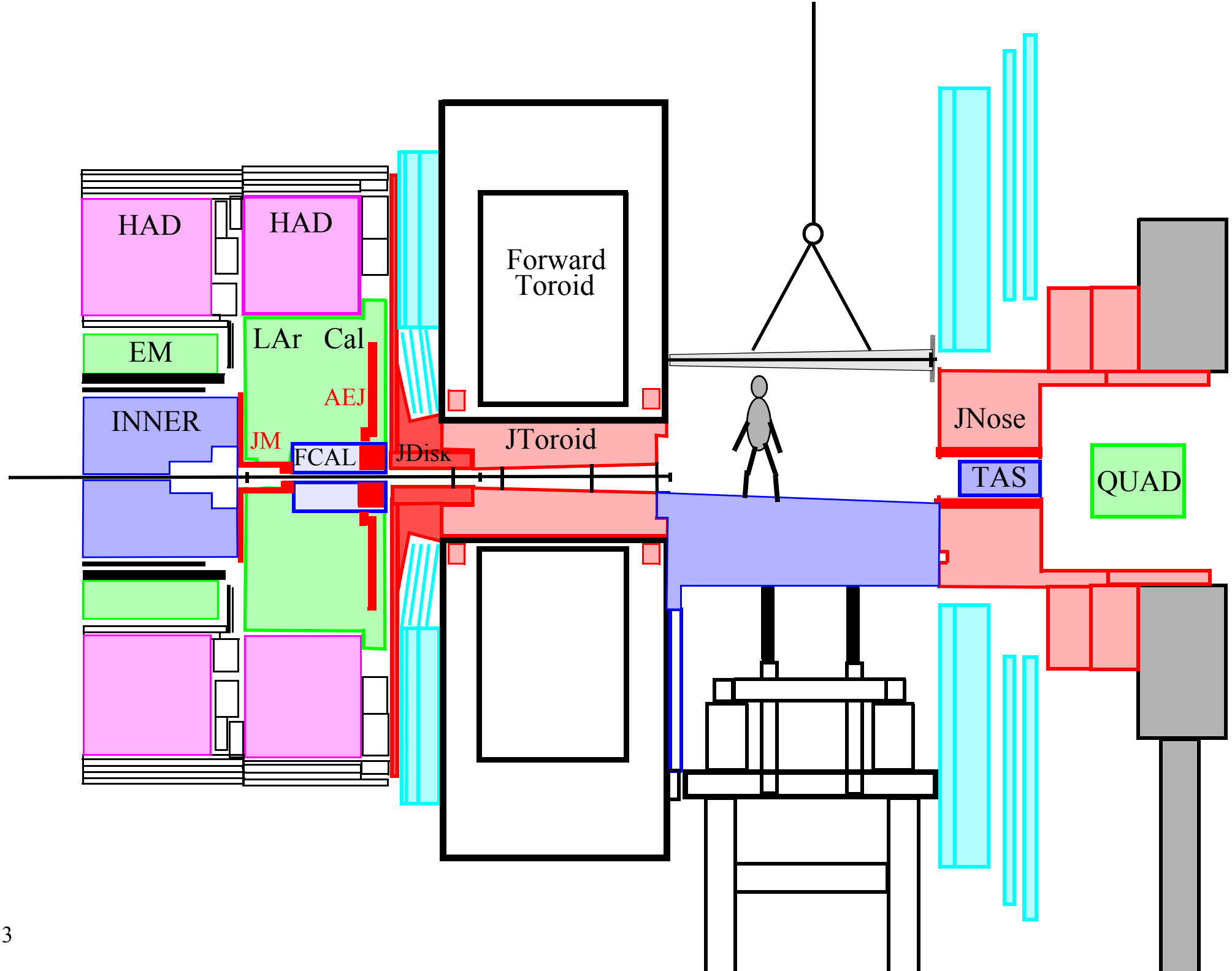
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD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HAD
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AEJ
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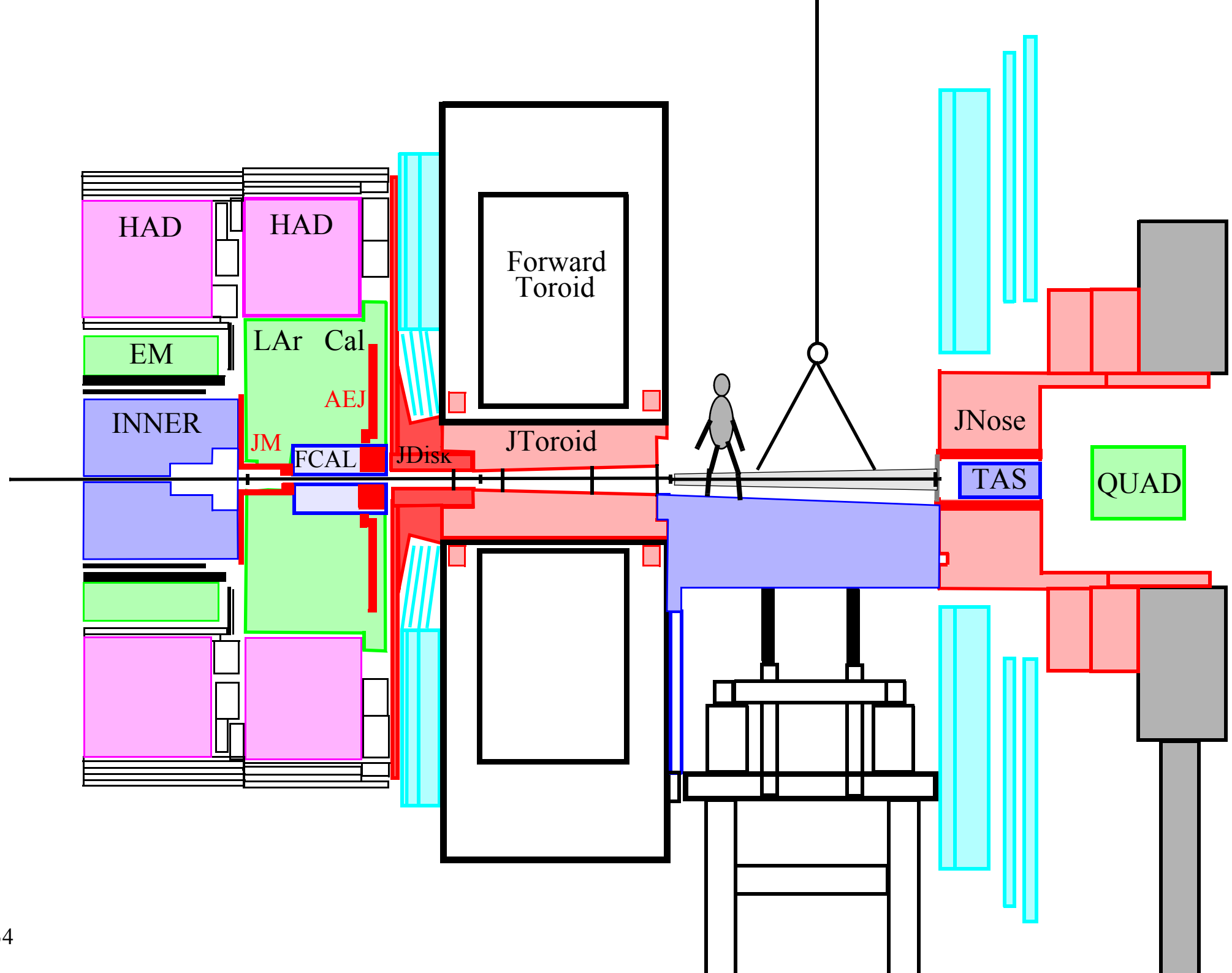
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD


HAD
HAD
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LAr Cal
AEJ
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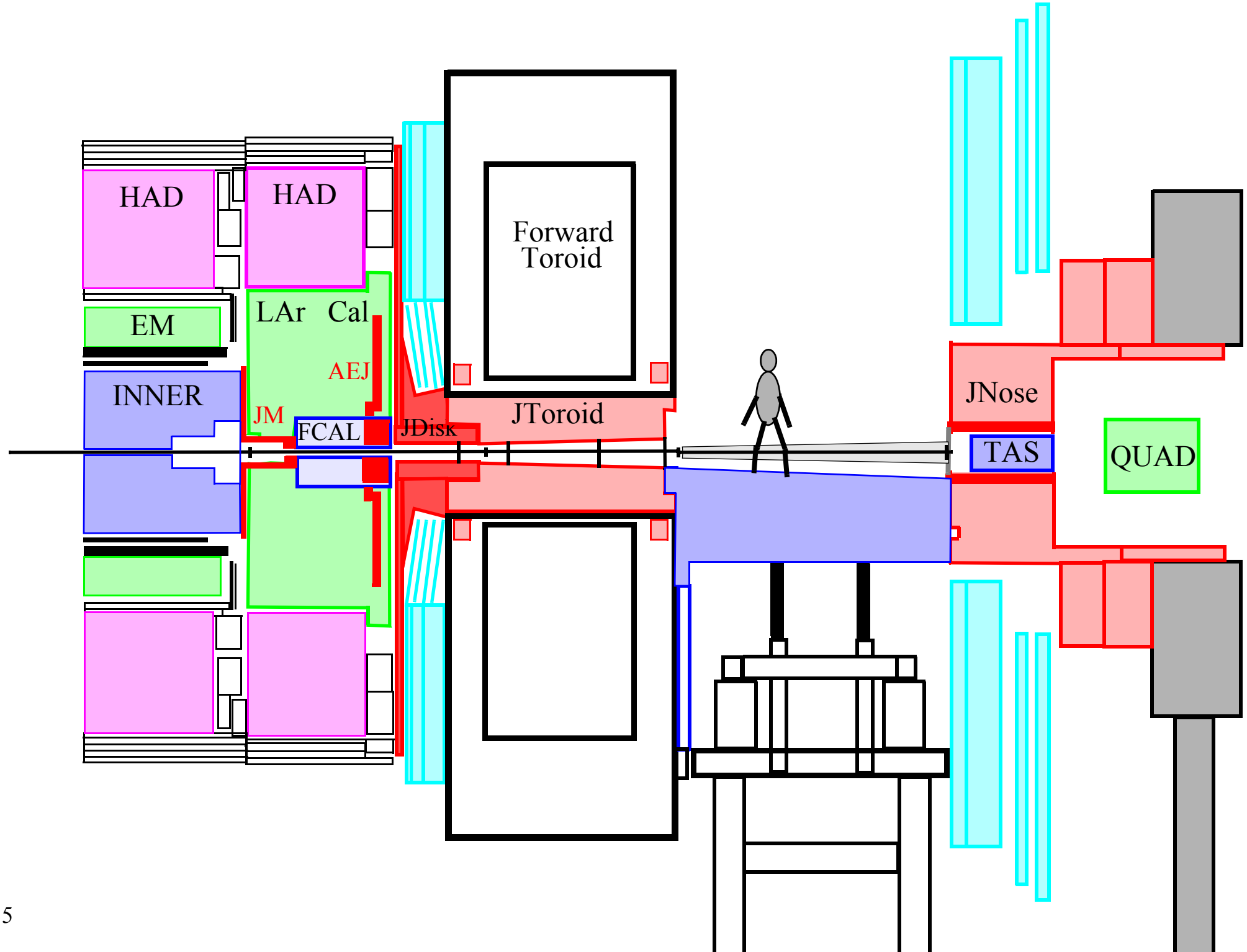
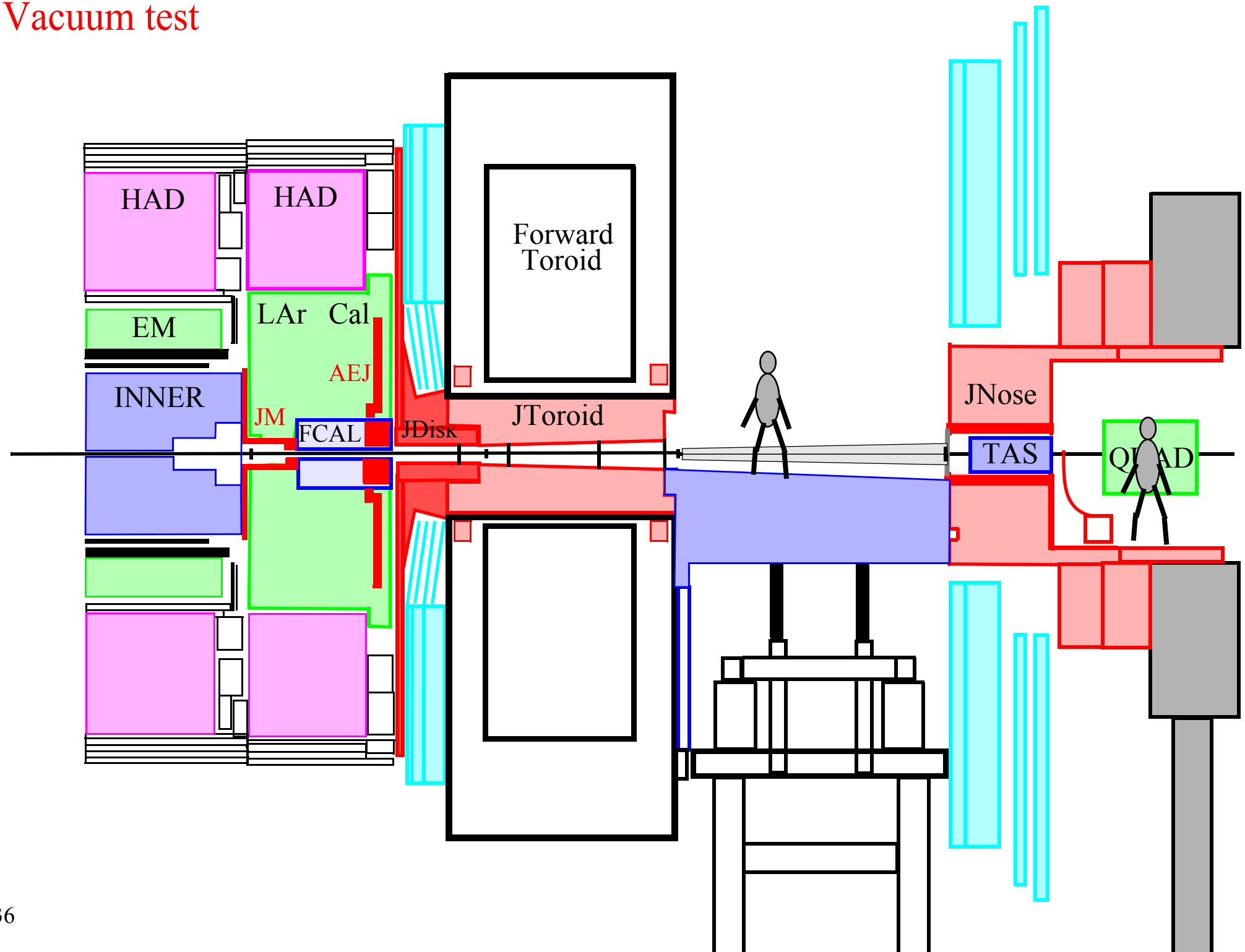
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD


HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD

Vacuum test


HAD
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AEJ
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JDisk
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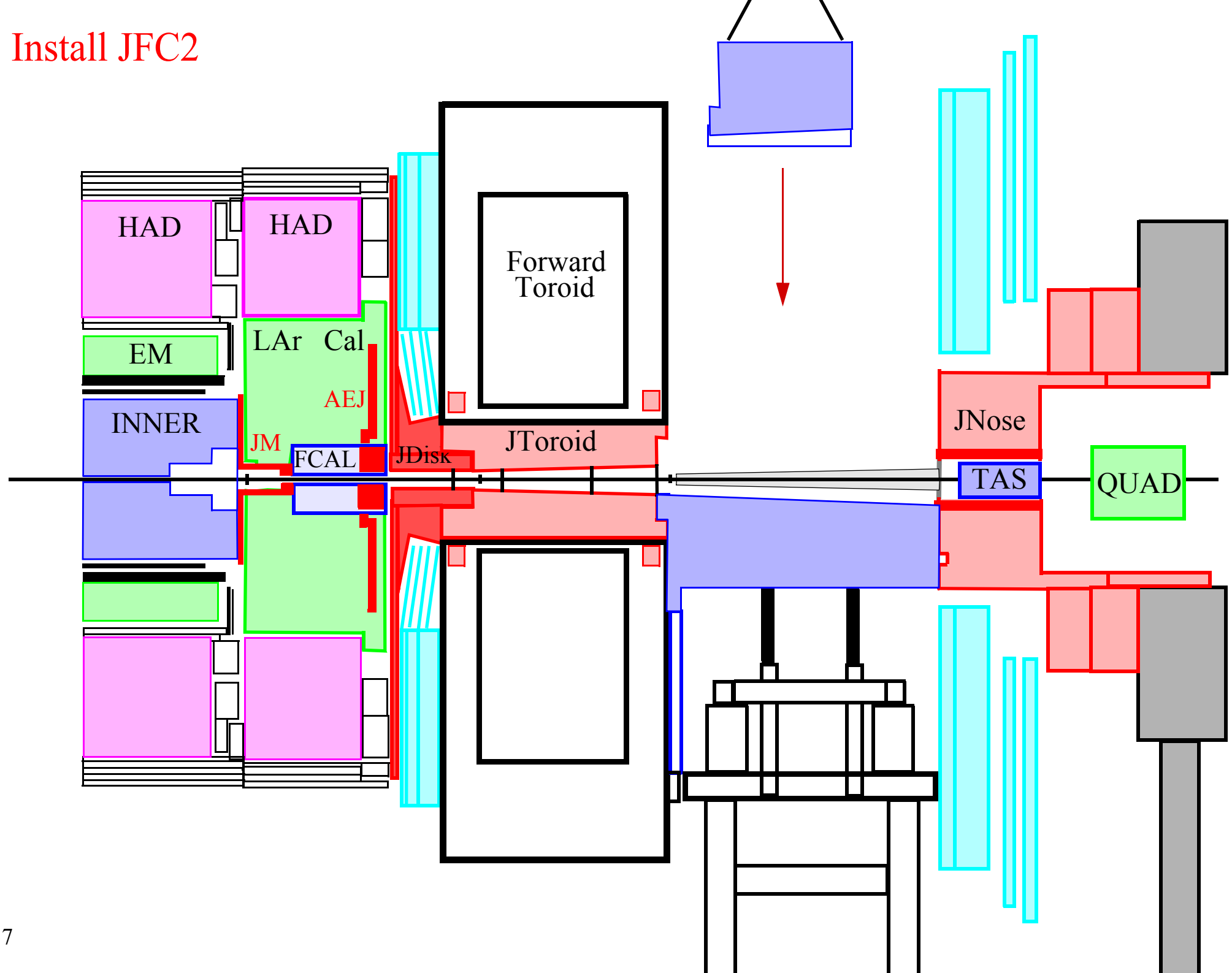
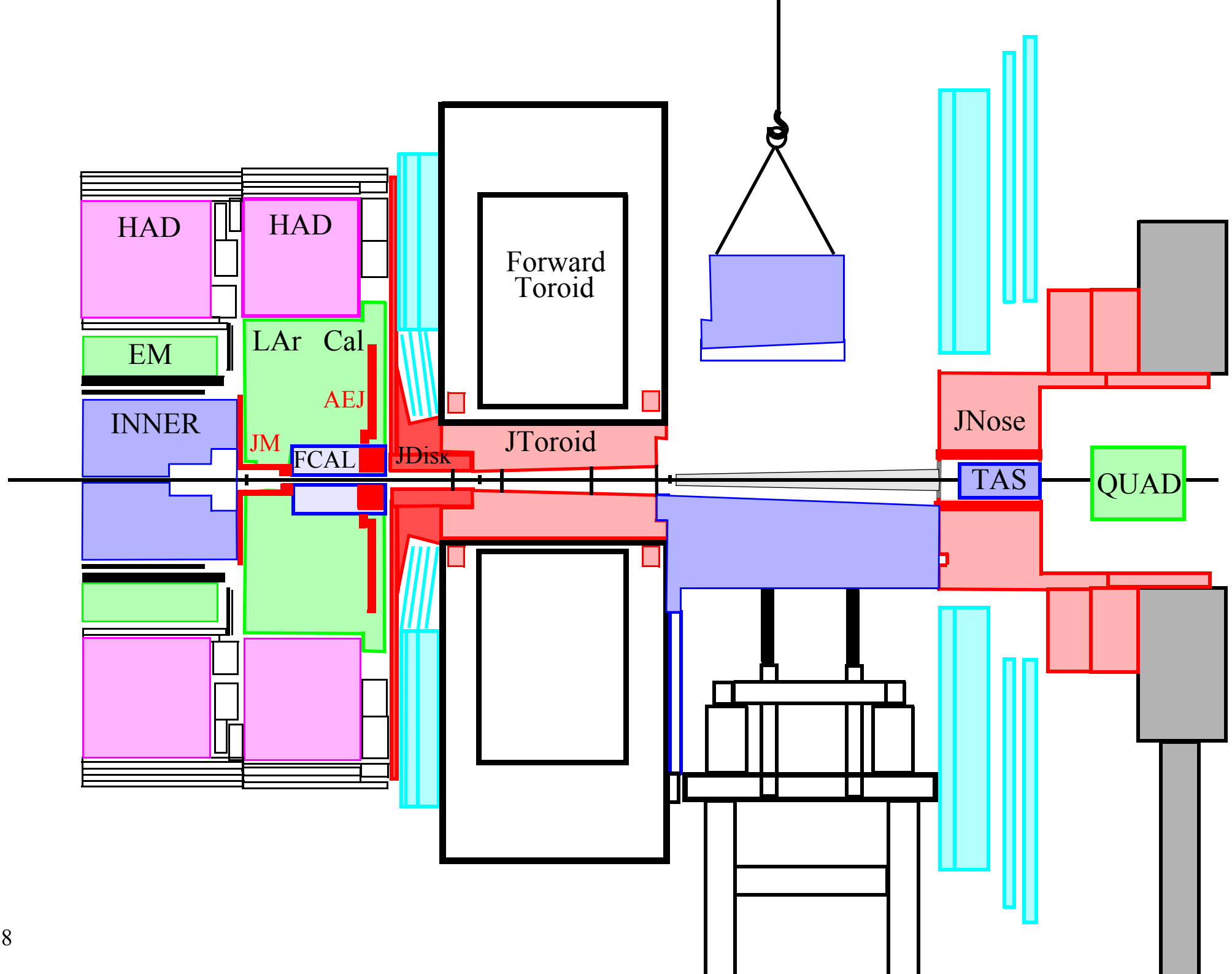
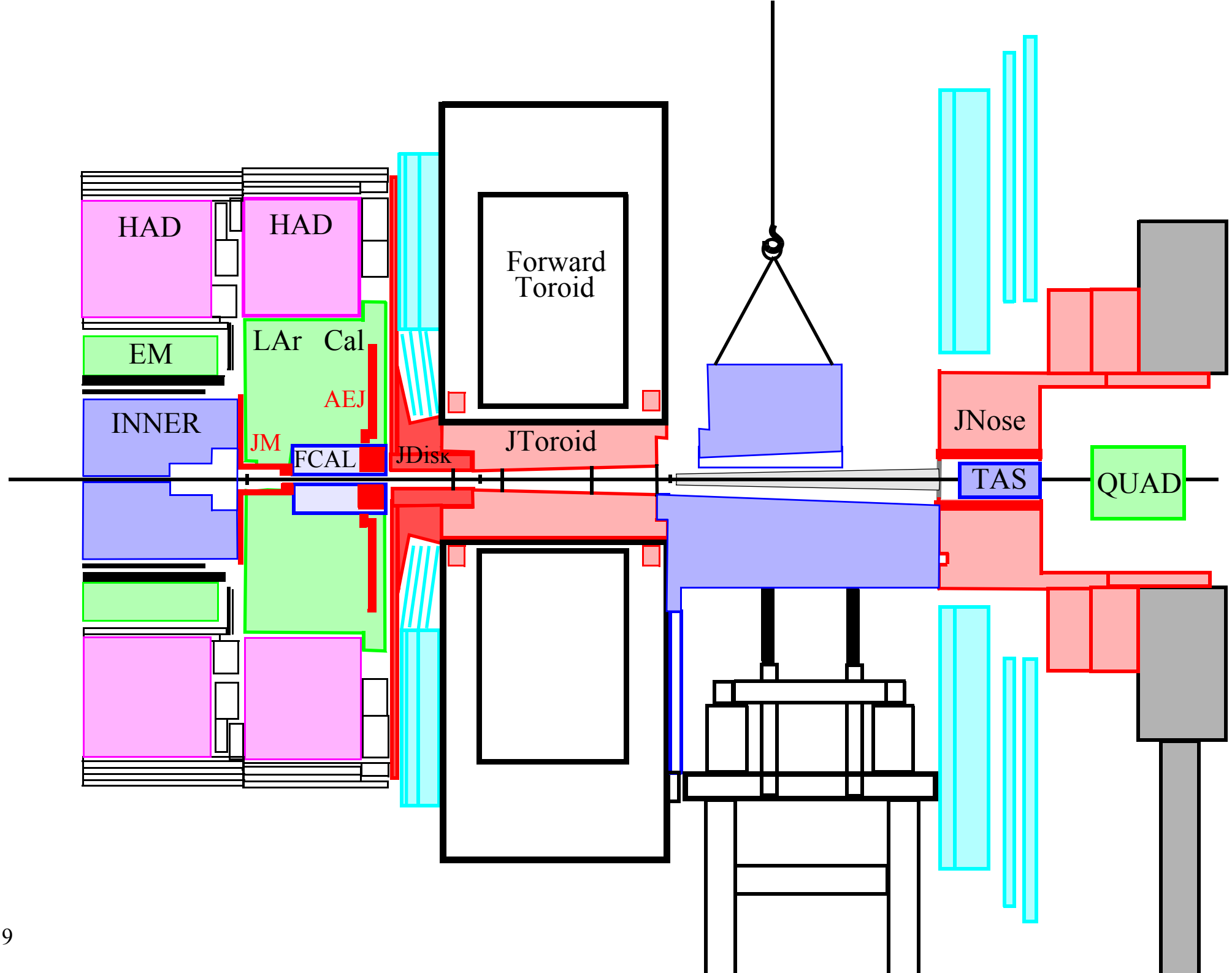
JToroid
JNose
TAS
QUAD

Install JFC2




HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD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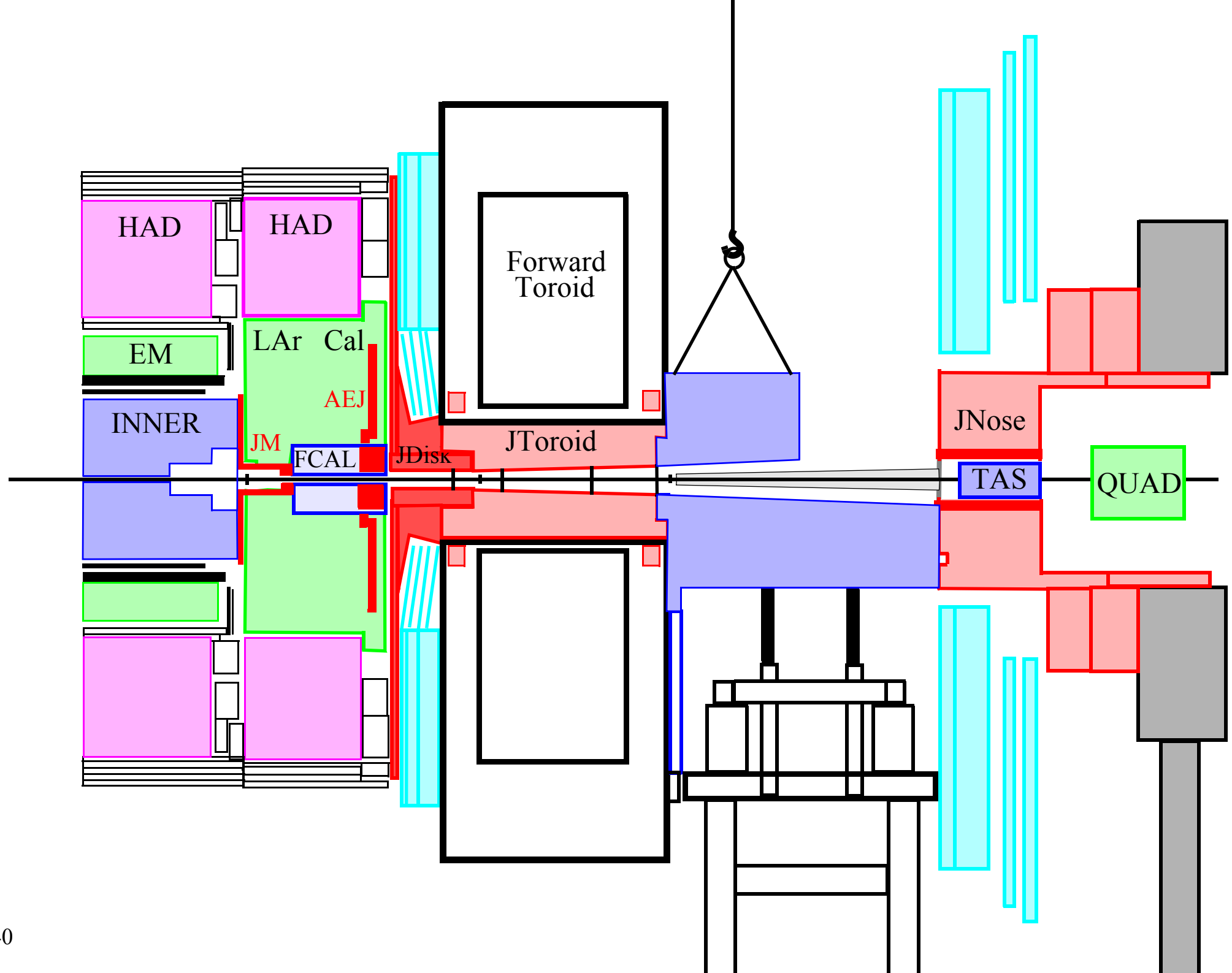
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD


HAD
HAD
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AEJ
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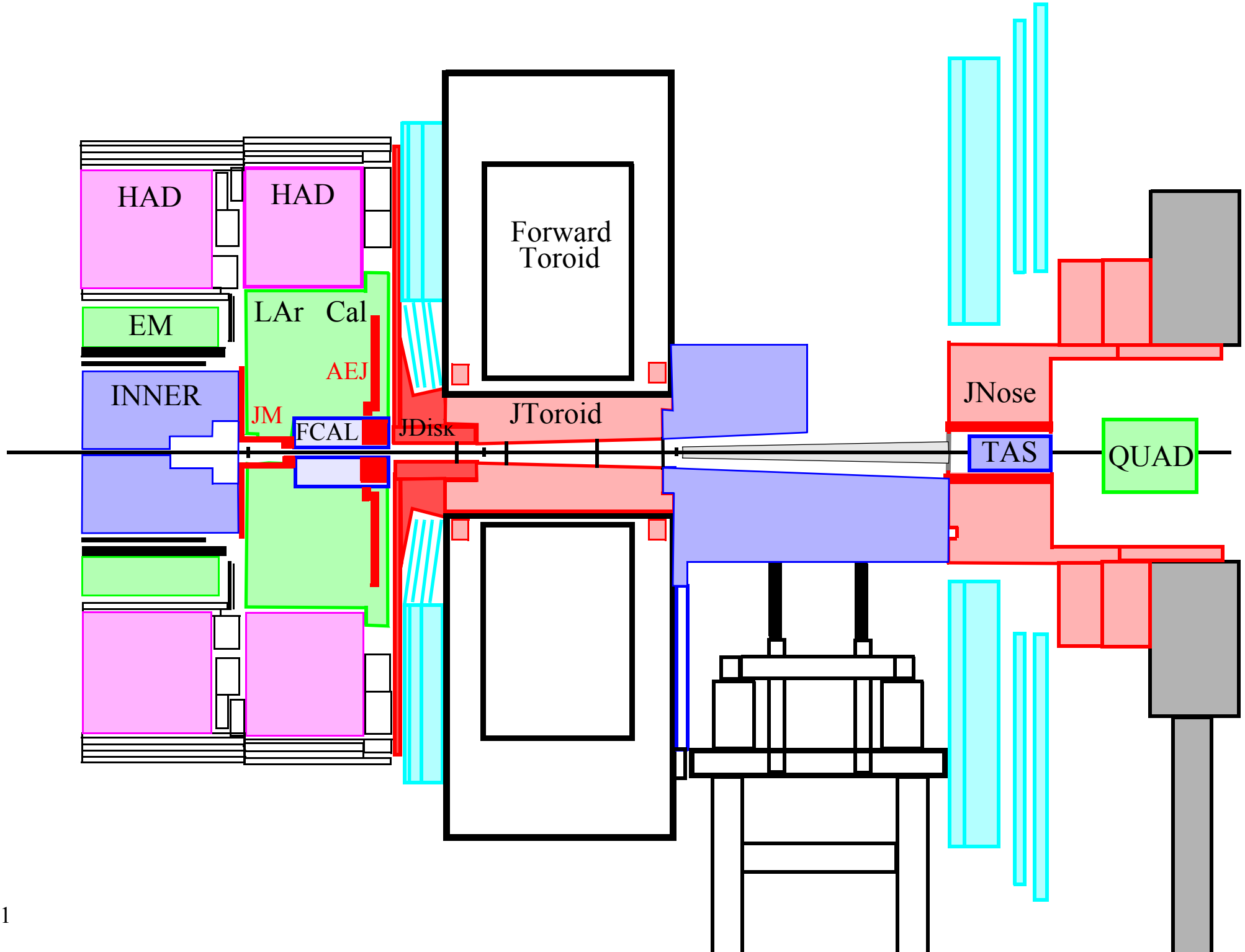
Forward
Toroid
JToroid
JNose
TAS
QUAD


HAD
HAD
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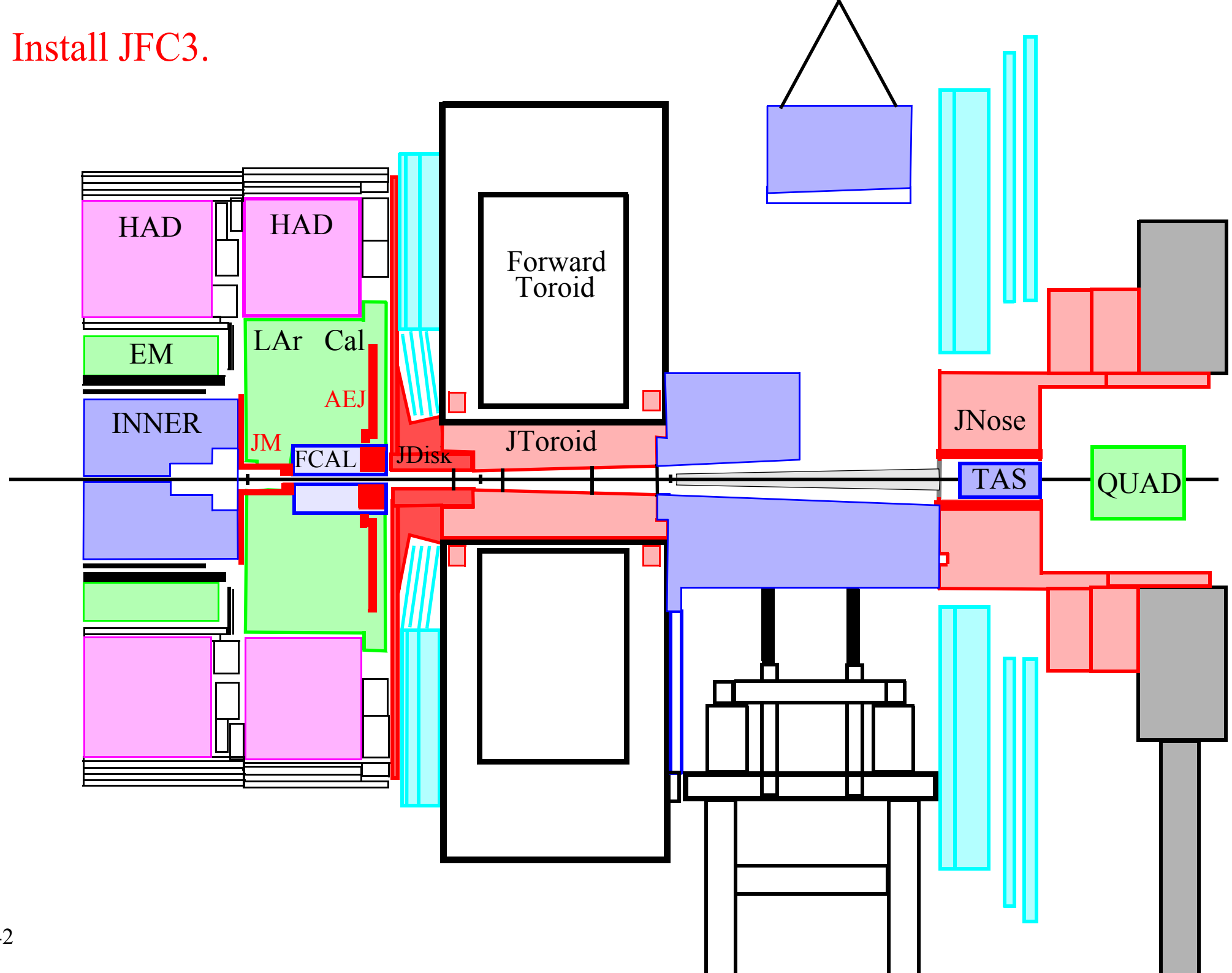
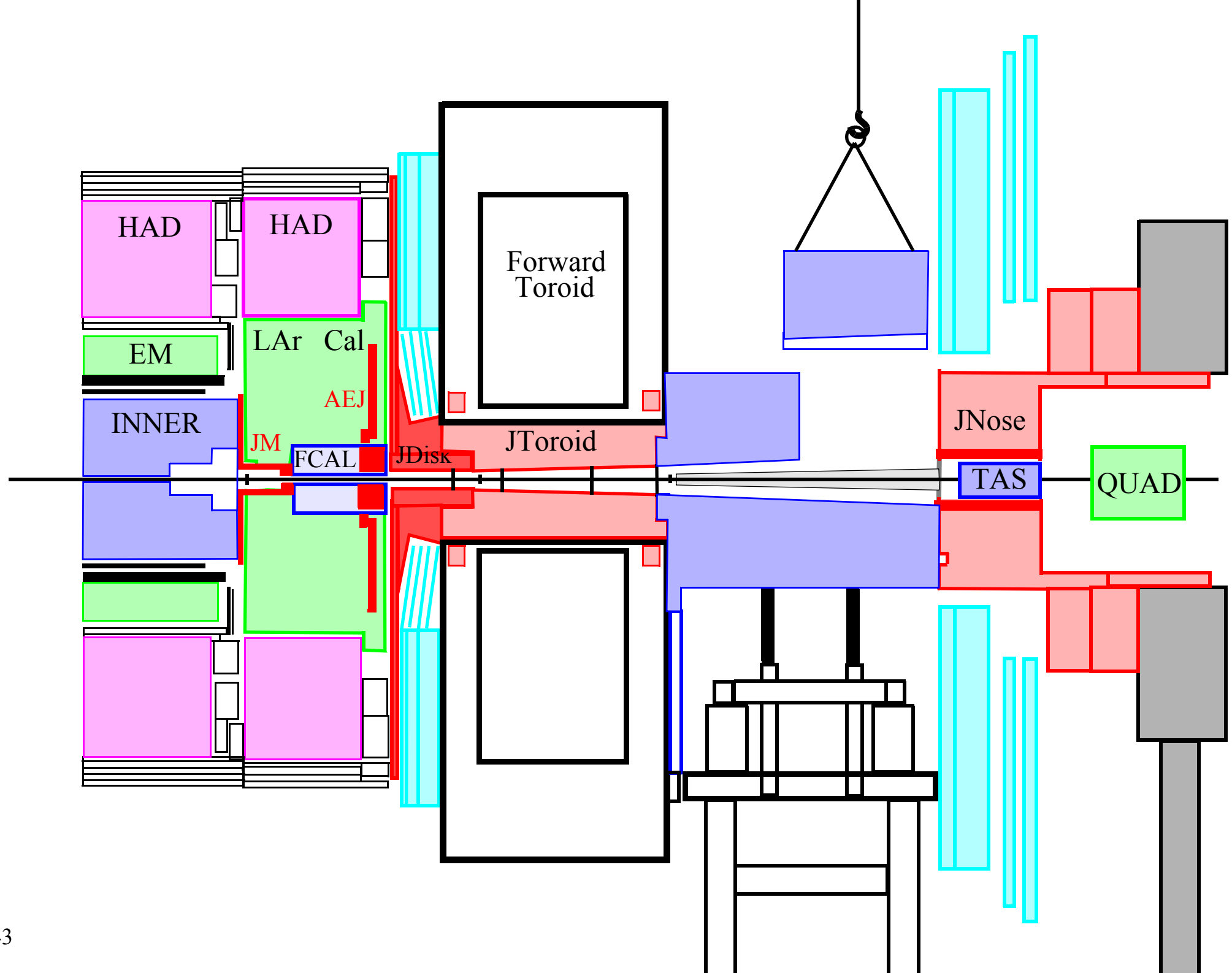
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD

Install JFC3.




HAD
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AEJ
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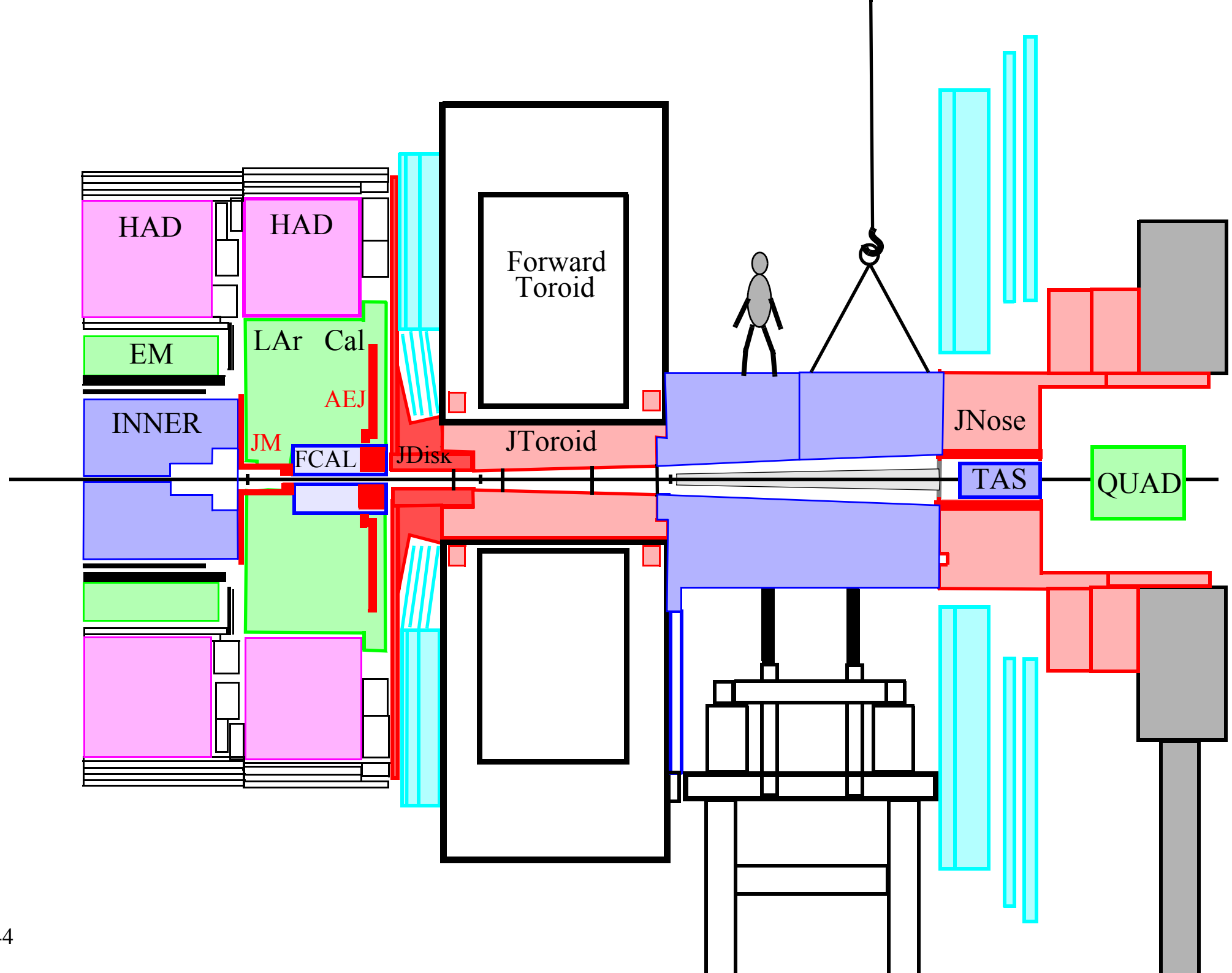
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD


HAD
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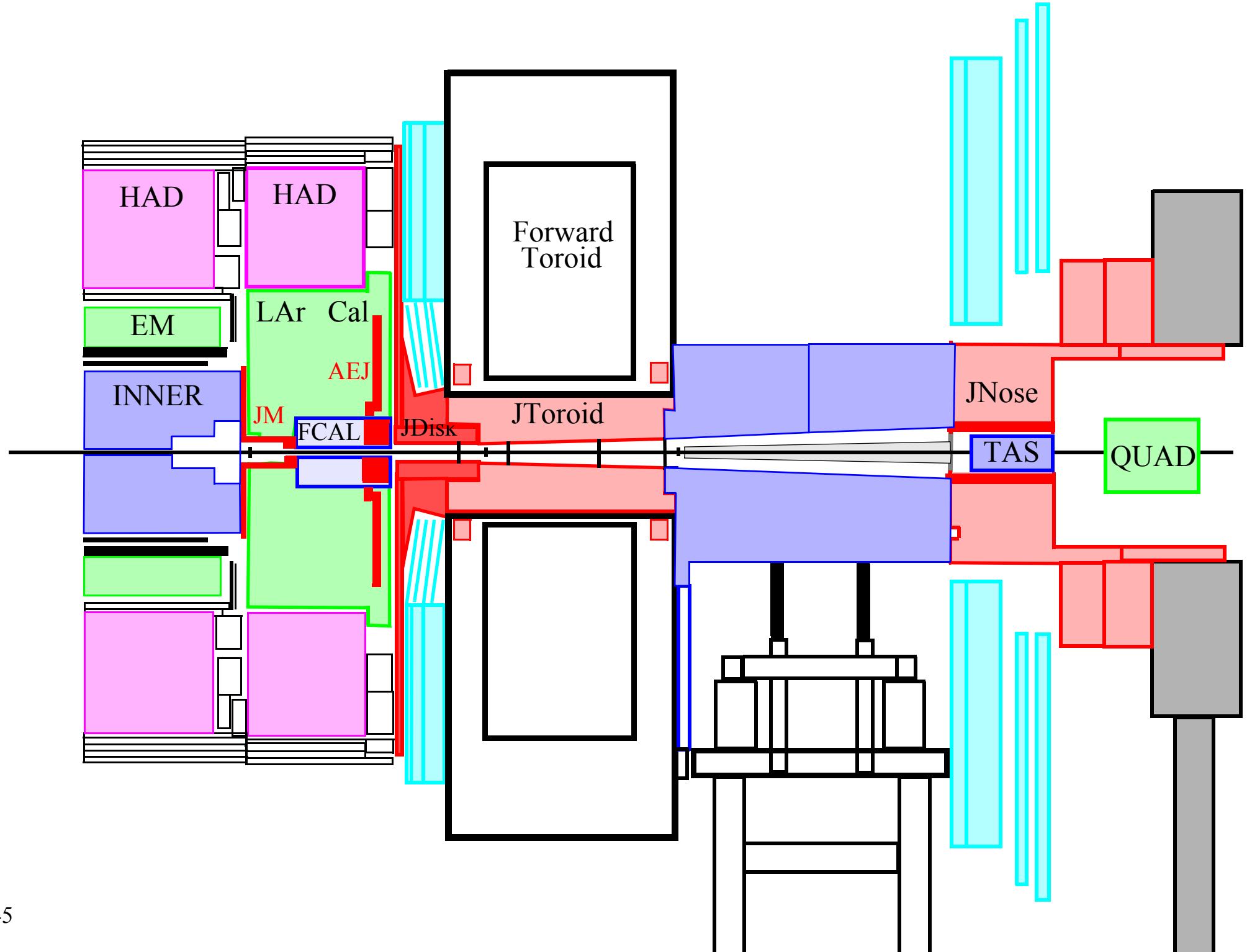
QUAD


HAD
HAD
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JDisk
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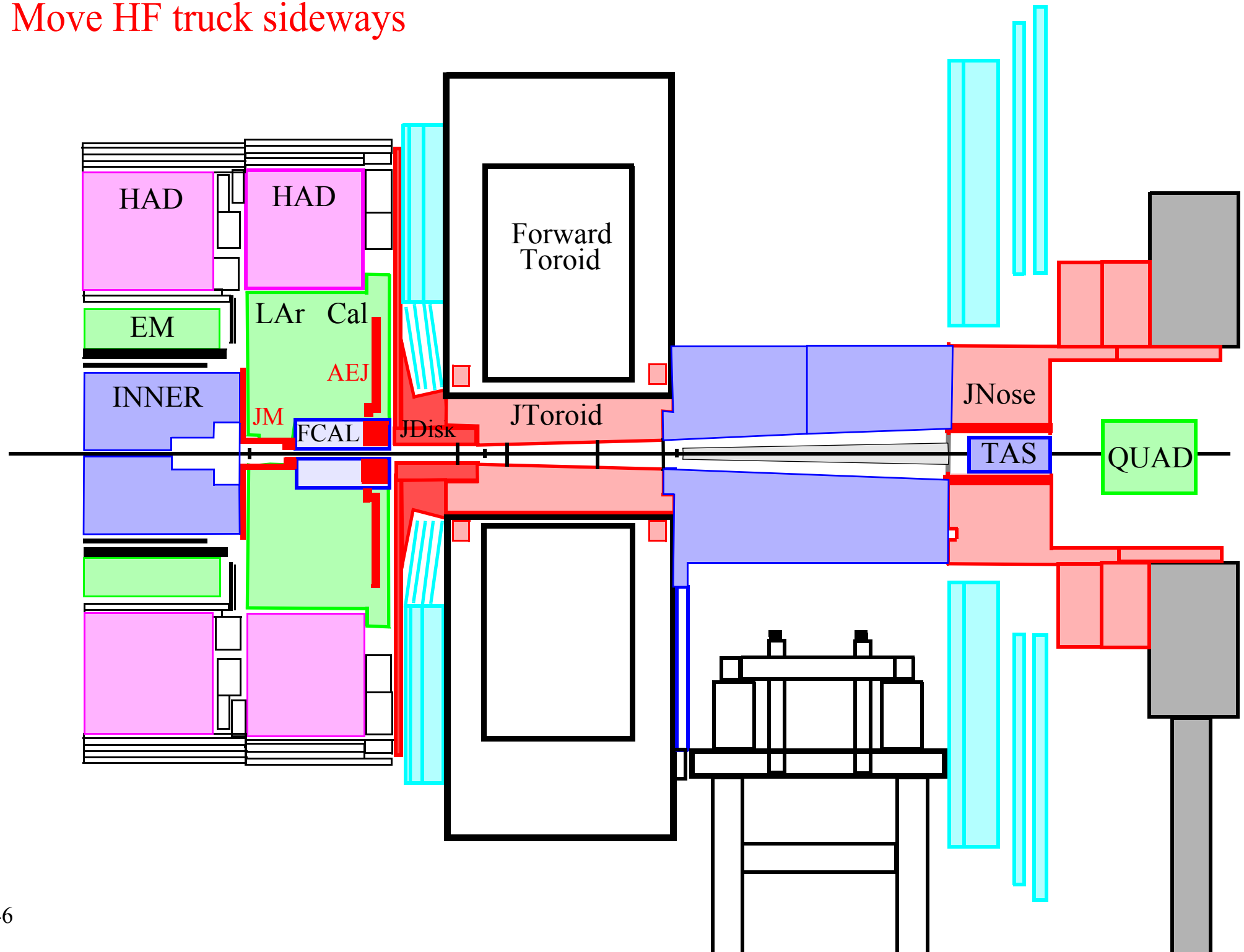
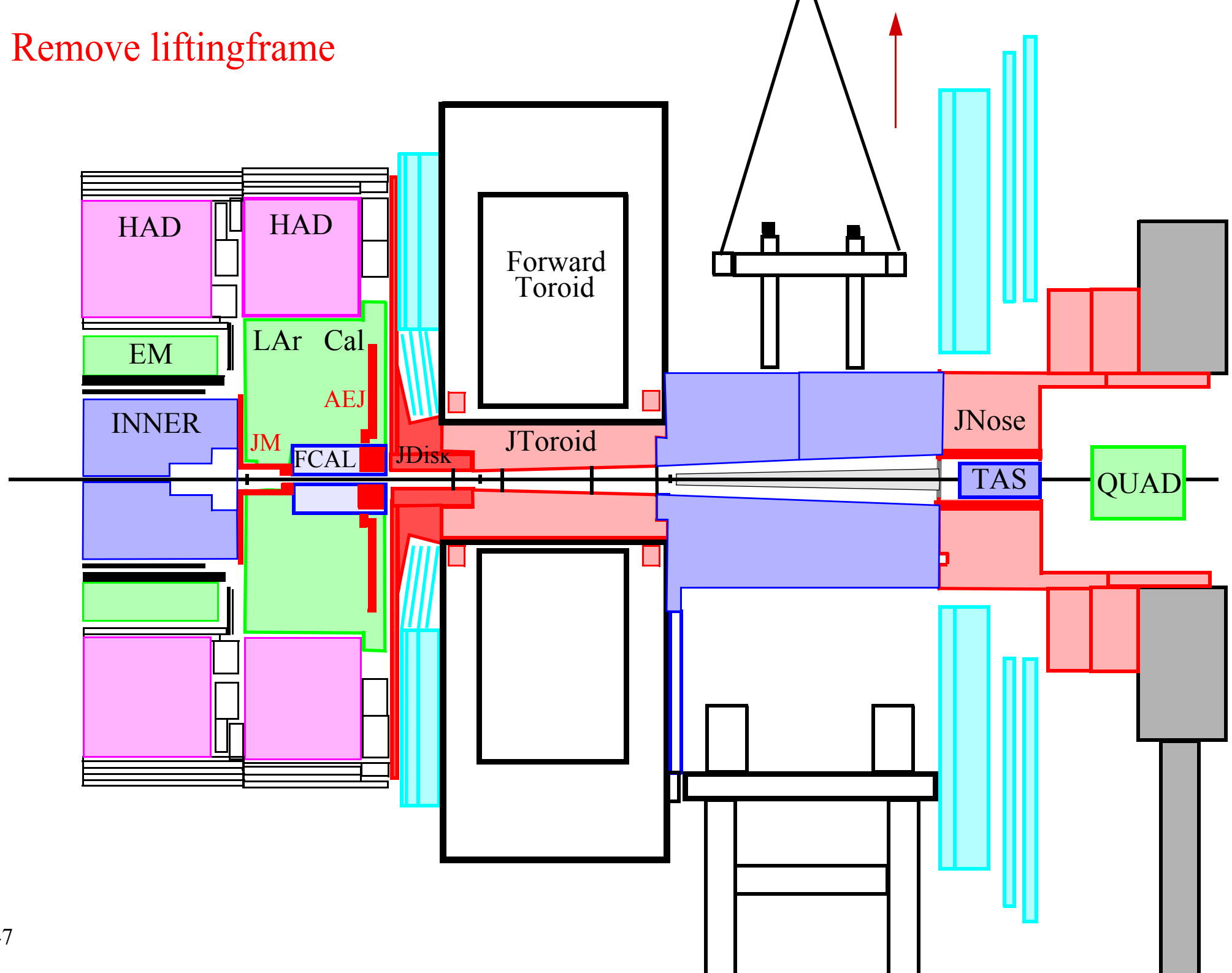
JToroid
JNose
TAS
QUAD

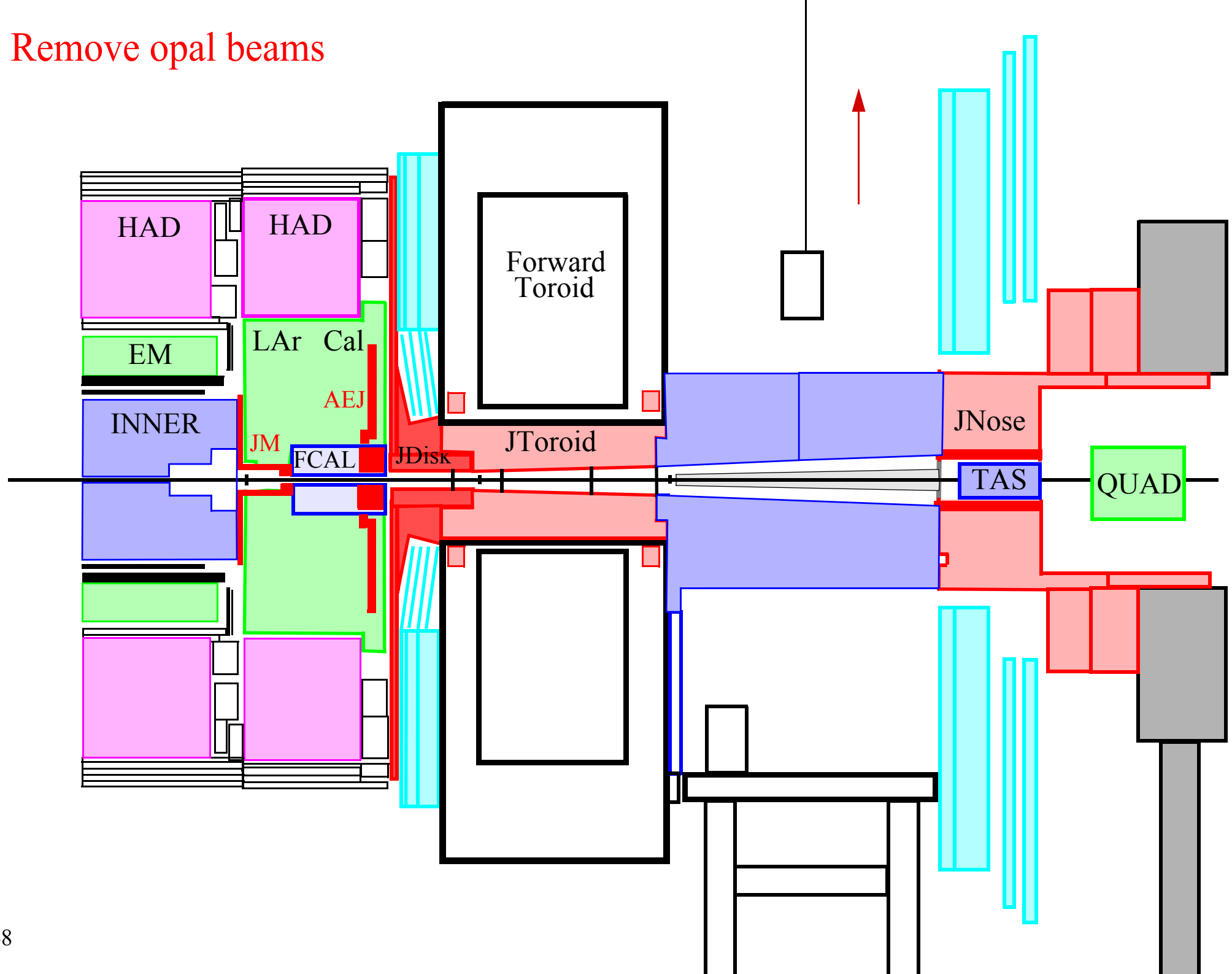
Move HF truck sideways

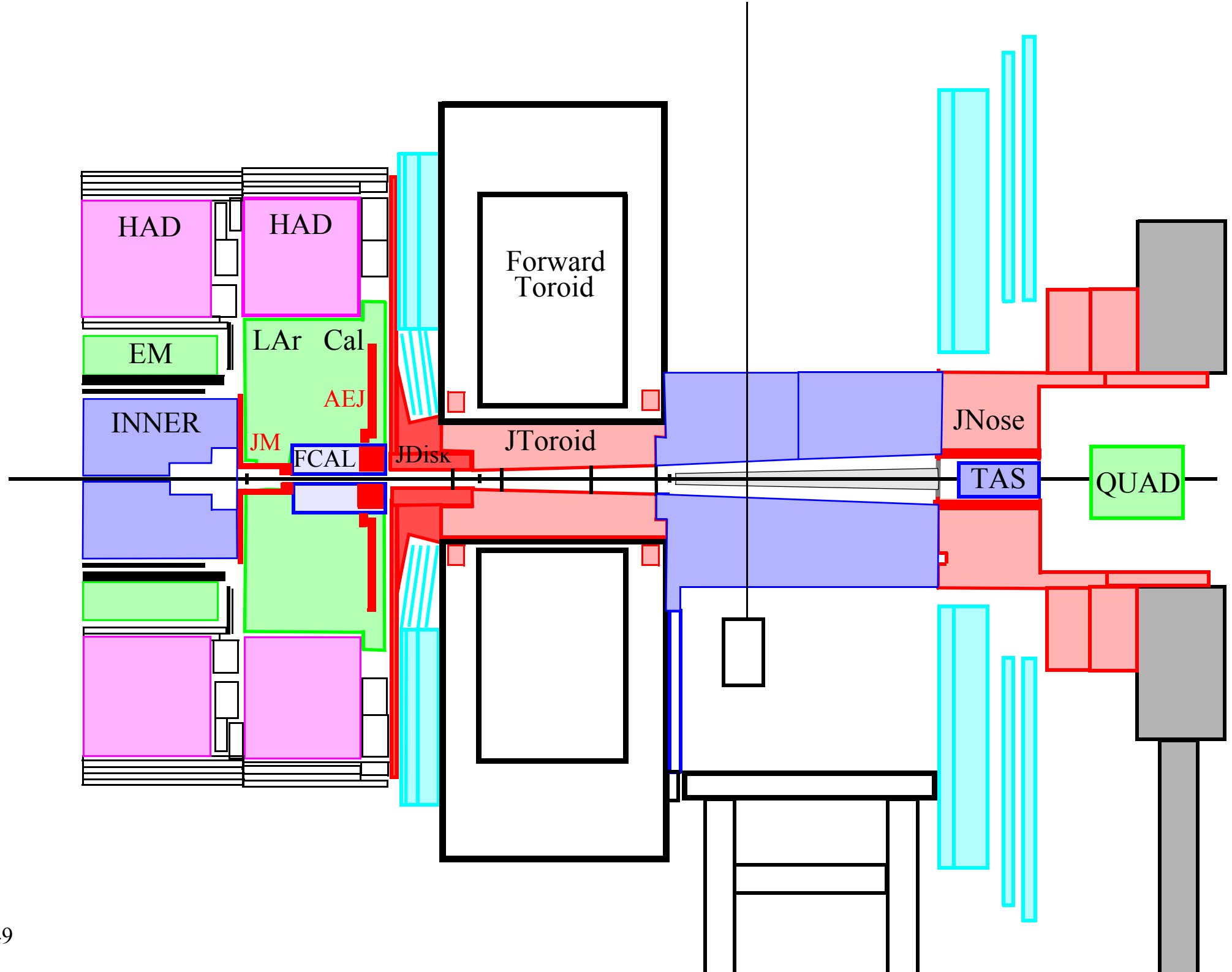


Remove liftingframe



Remove opal beams

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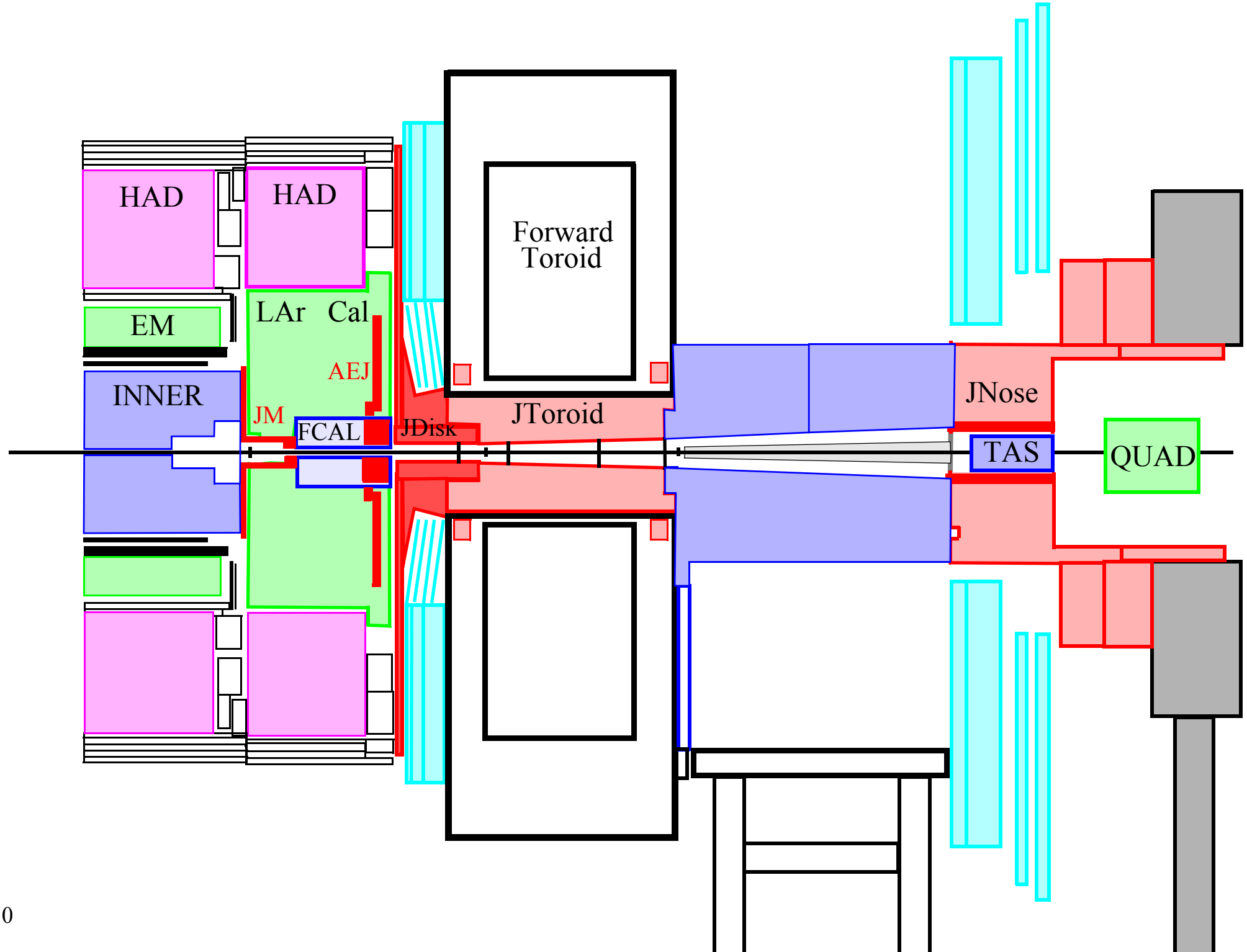
HAD
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AEJ
INNER
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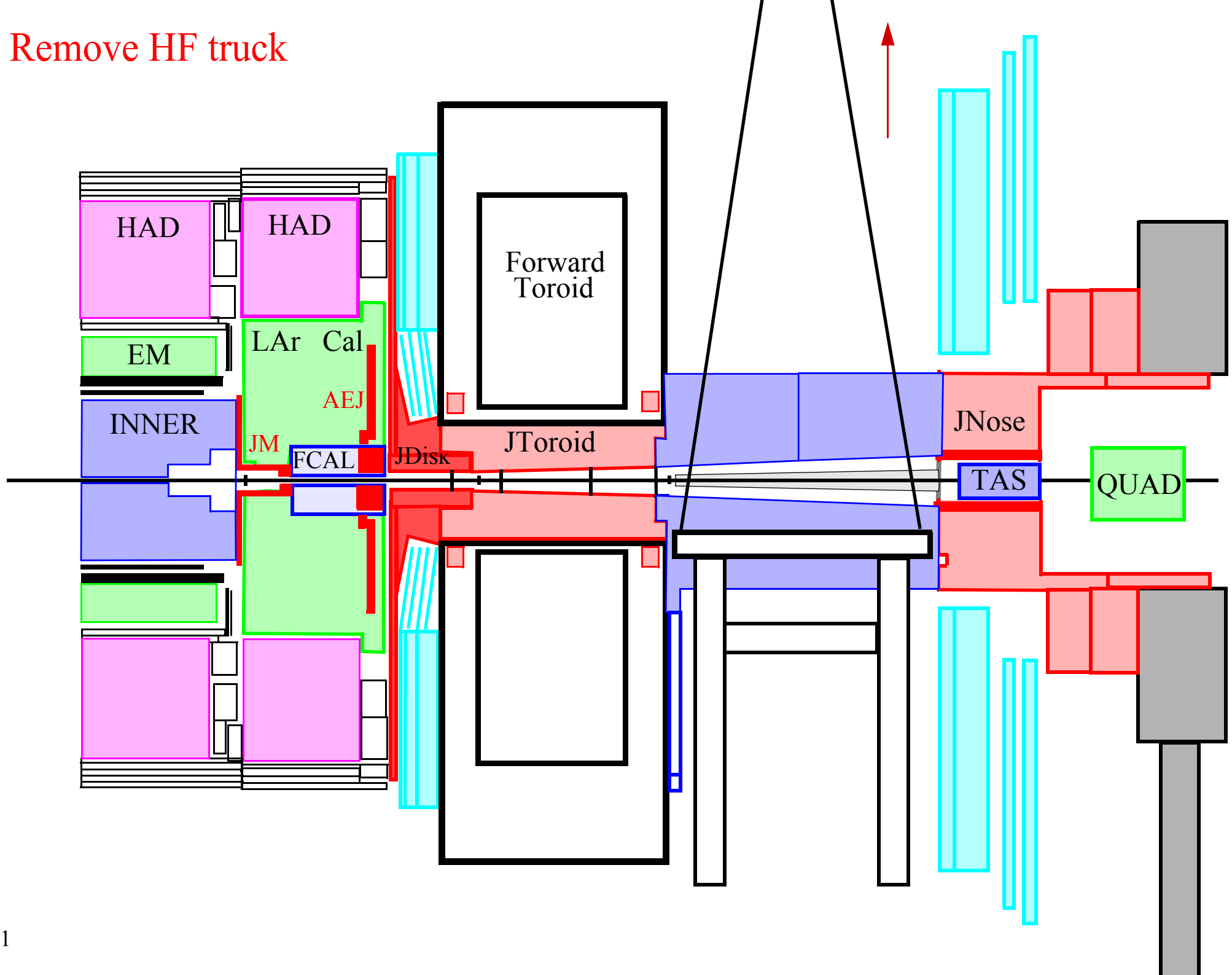
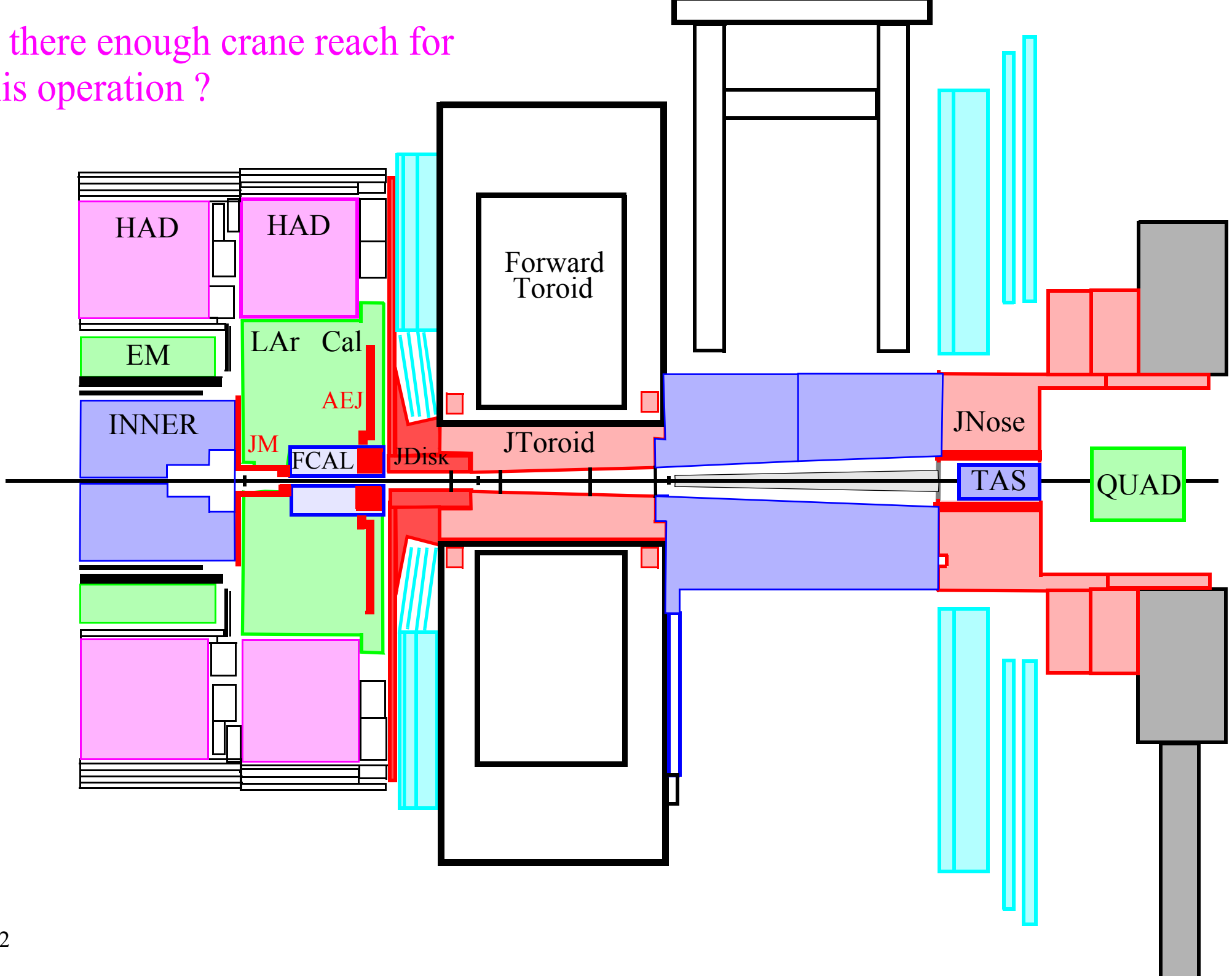
FCAL
JDisk
Forward
Toroid
JToroid
JNose
TAS
QUAD

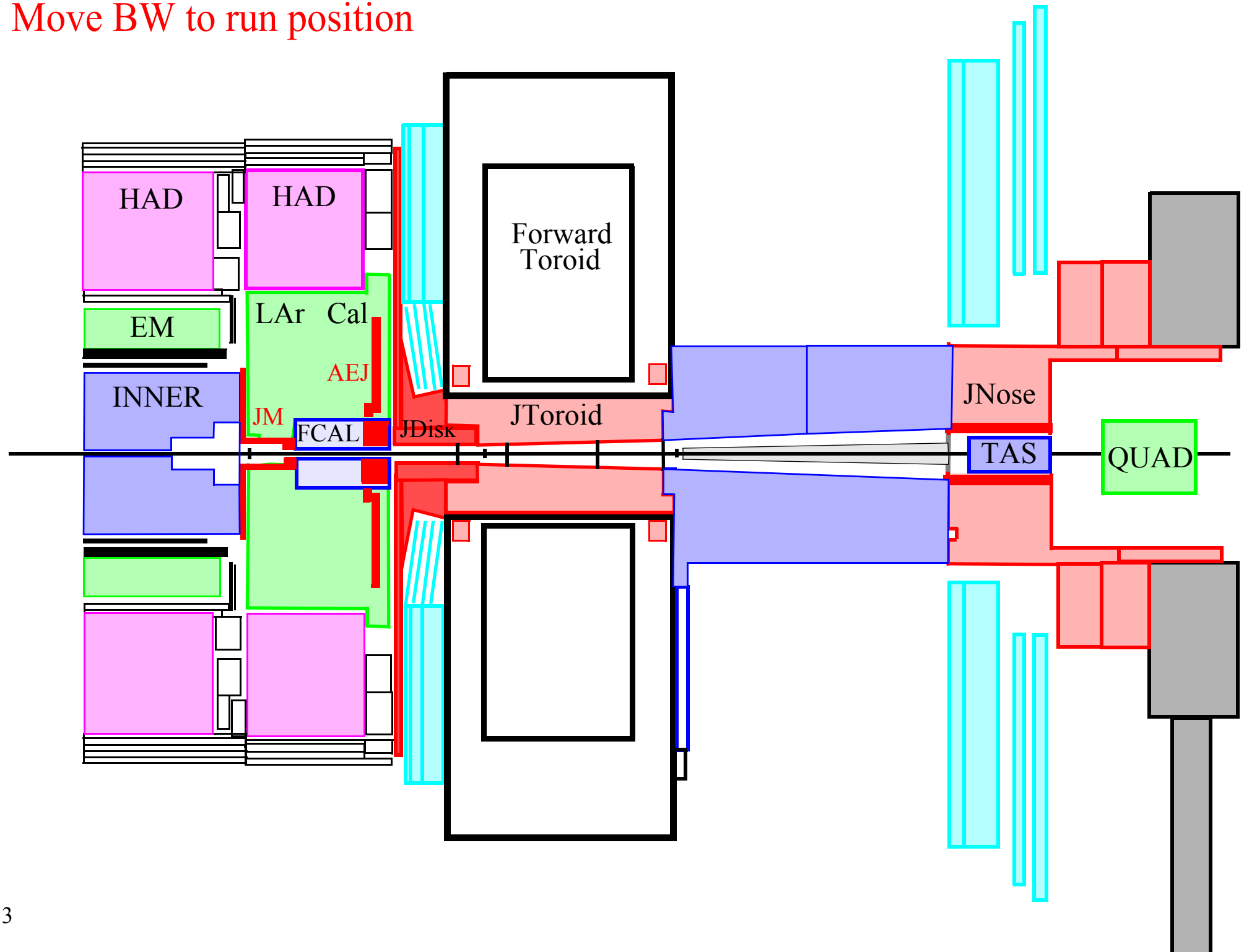
Remove HF truck

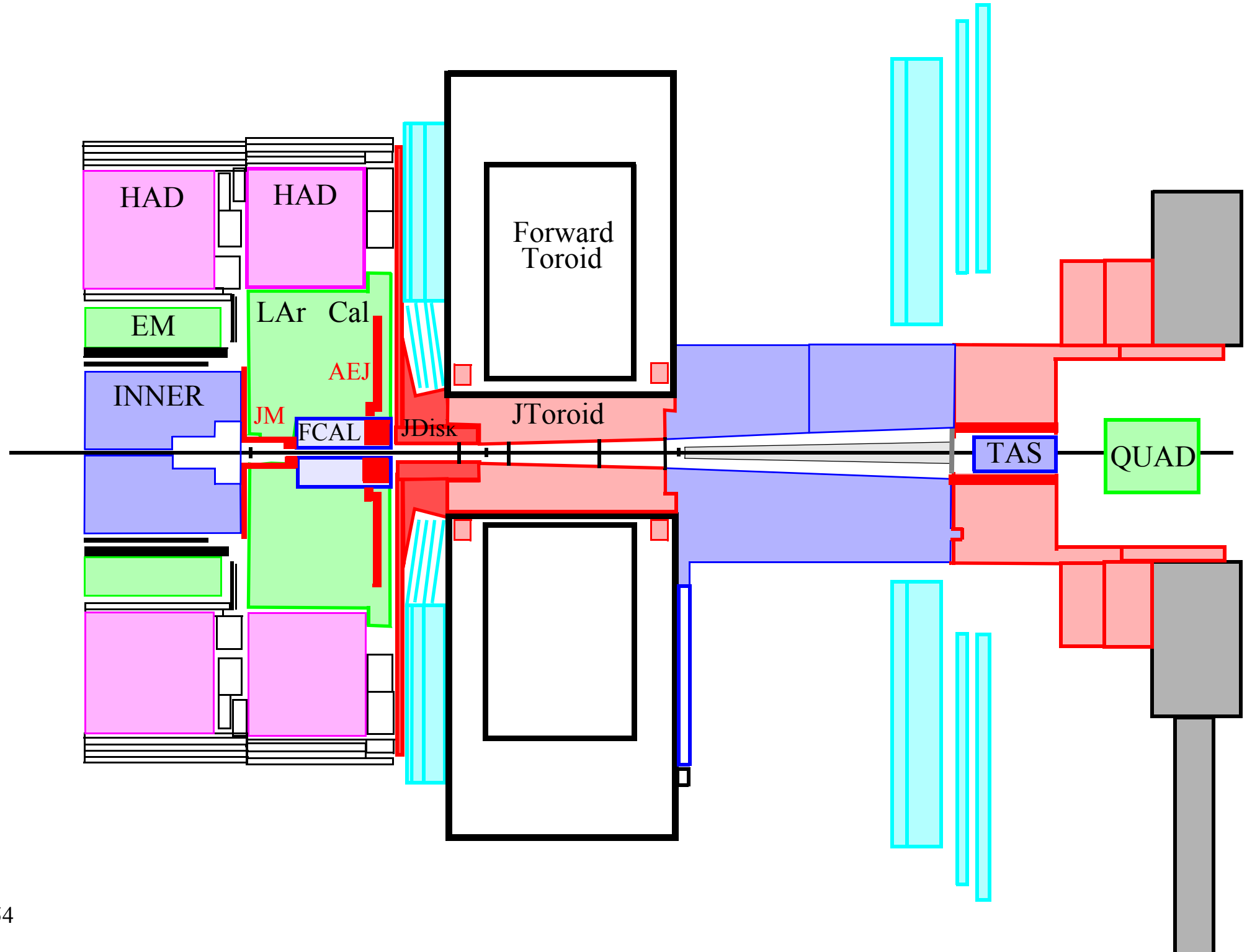


Is there enough crane reach for this operation ?



Move BW to run position




HAD
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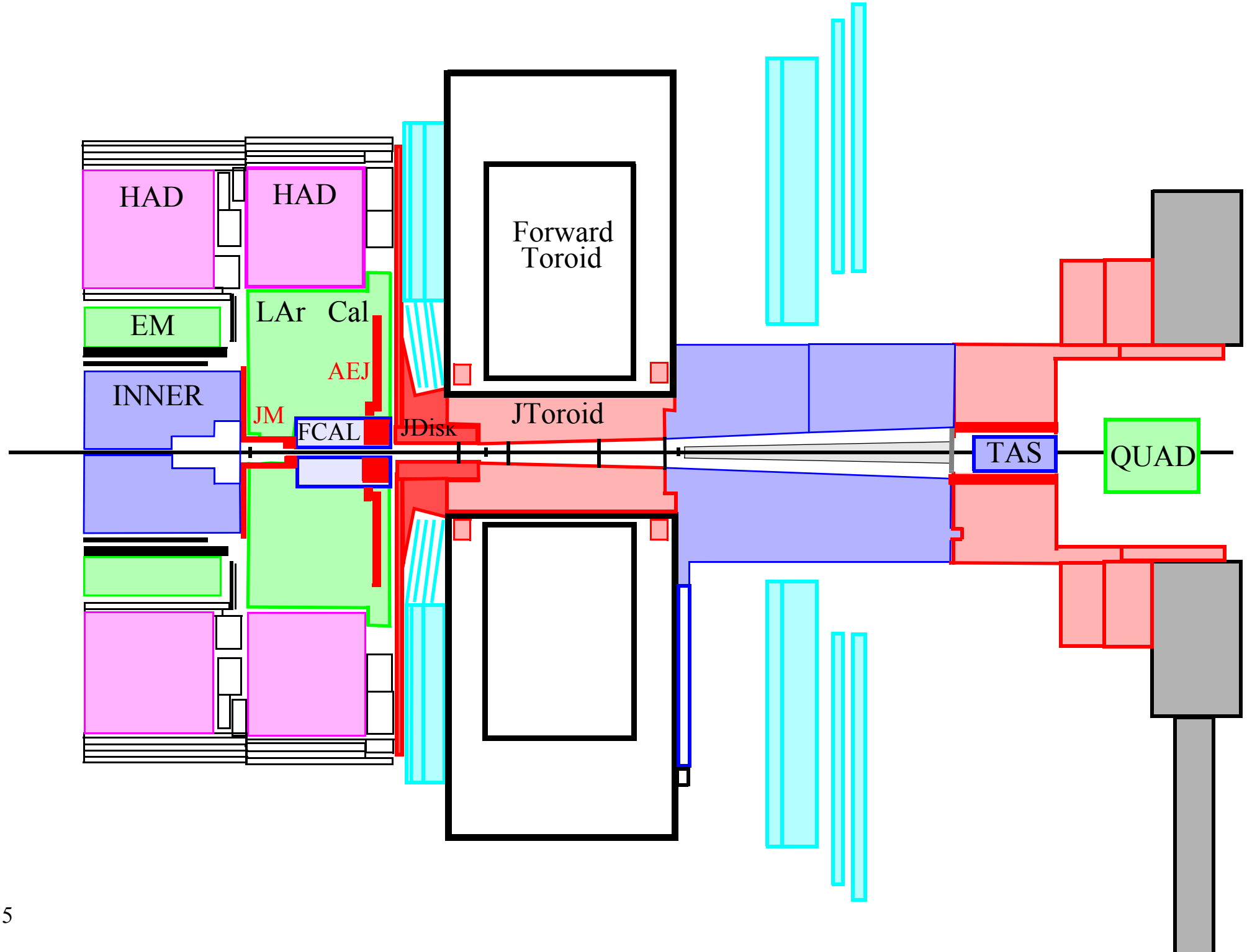
Forward
Toroid
JToroid
TAS
QUAD


HAD
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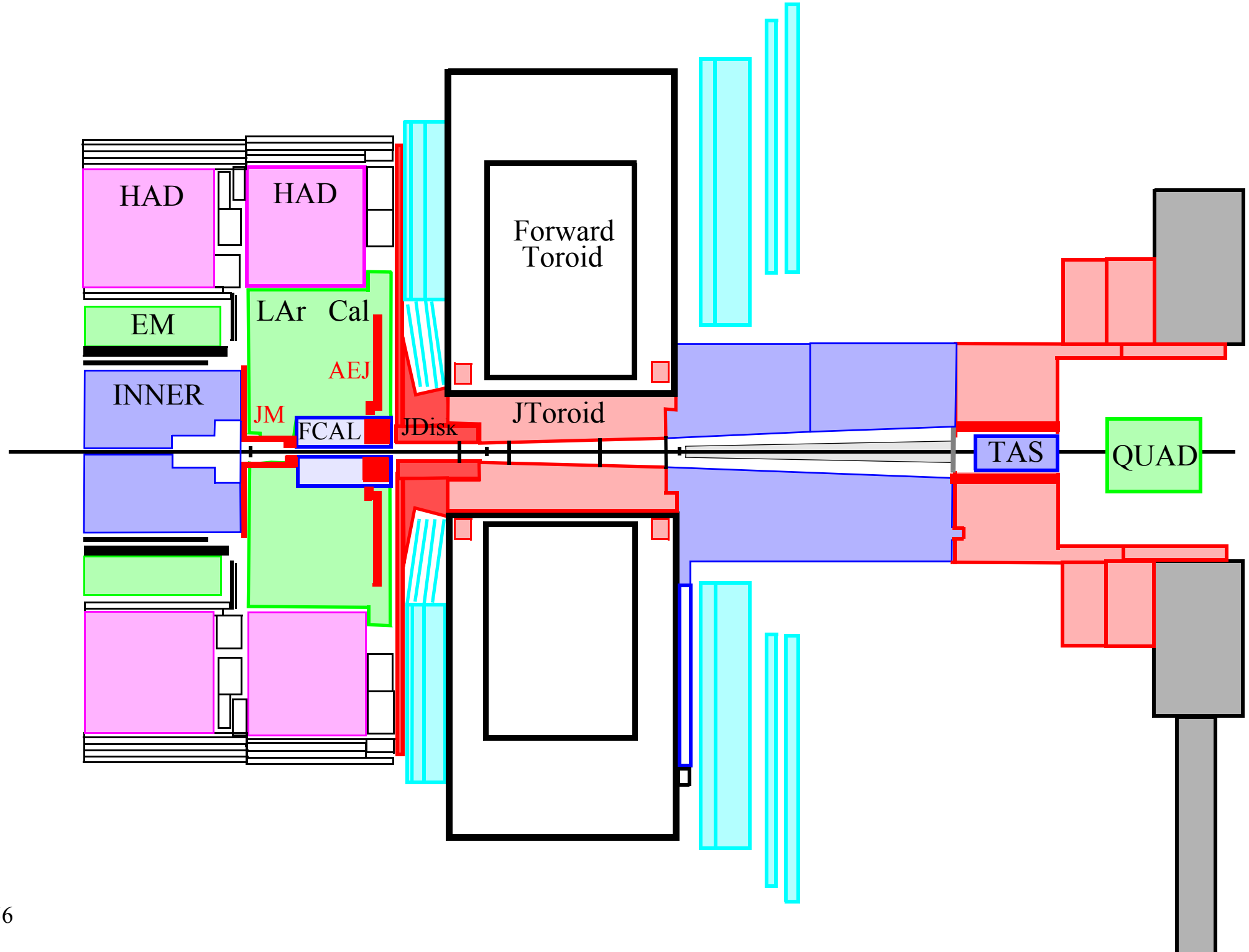
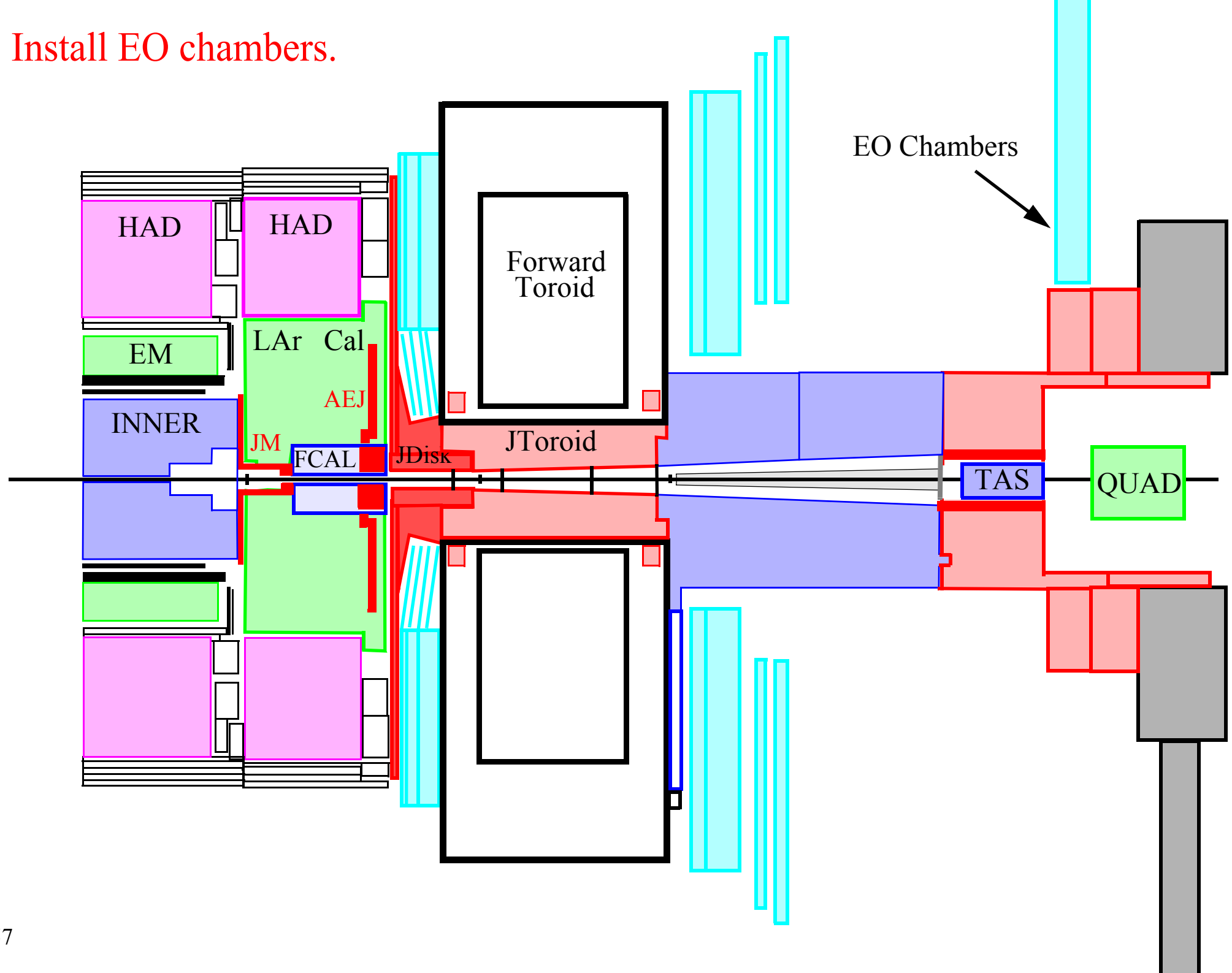
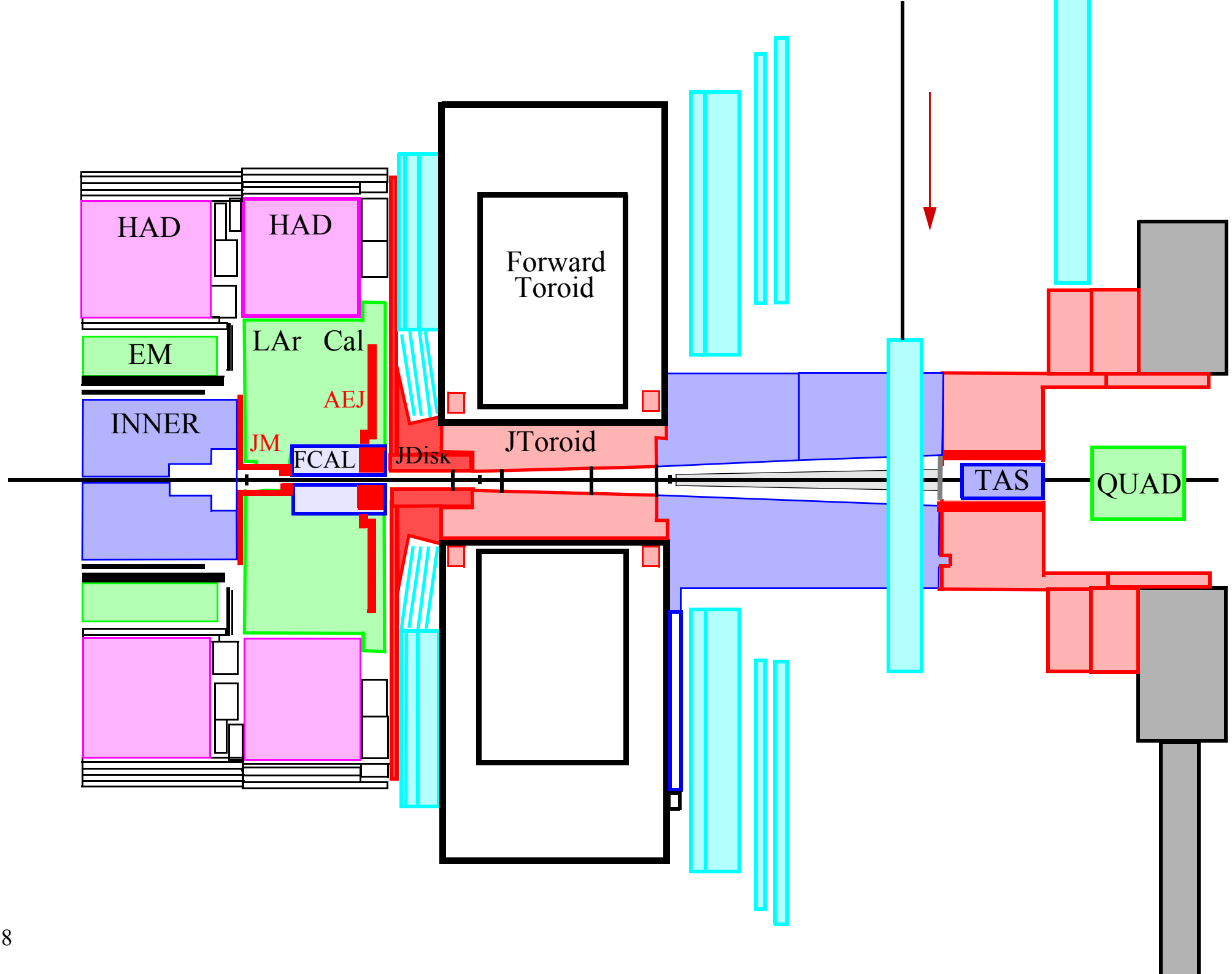
FCAL
JDisk
Forward
Toroid
JToroid
TAS
QUAD


HAD
HAD
Forward
Toroid
LAr Cal
EM
AEJ
INNER
JM
FCAL
JDisk
JToroid
TAS
QUAD

Install EO chambers.

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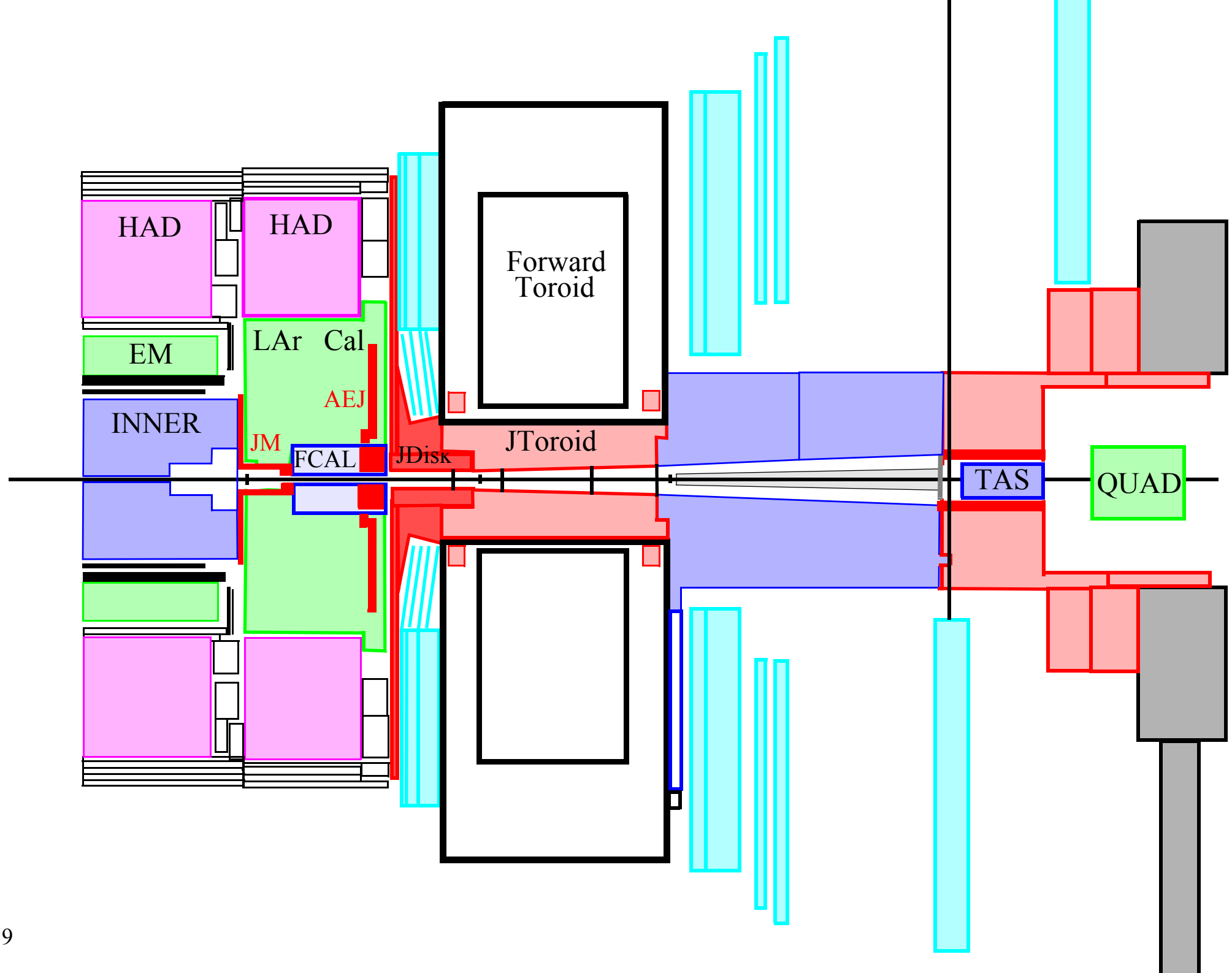
TAS
QUAD


HAD
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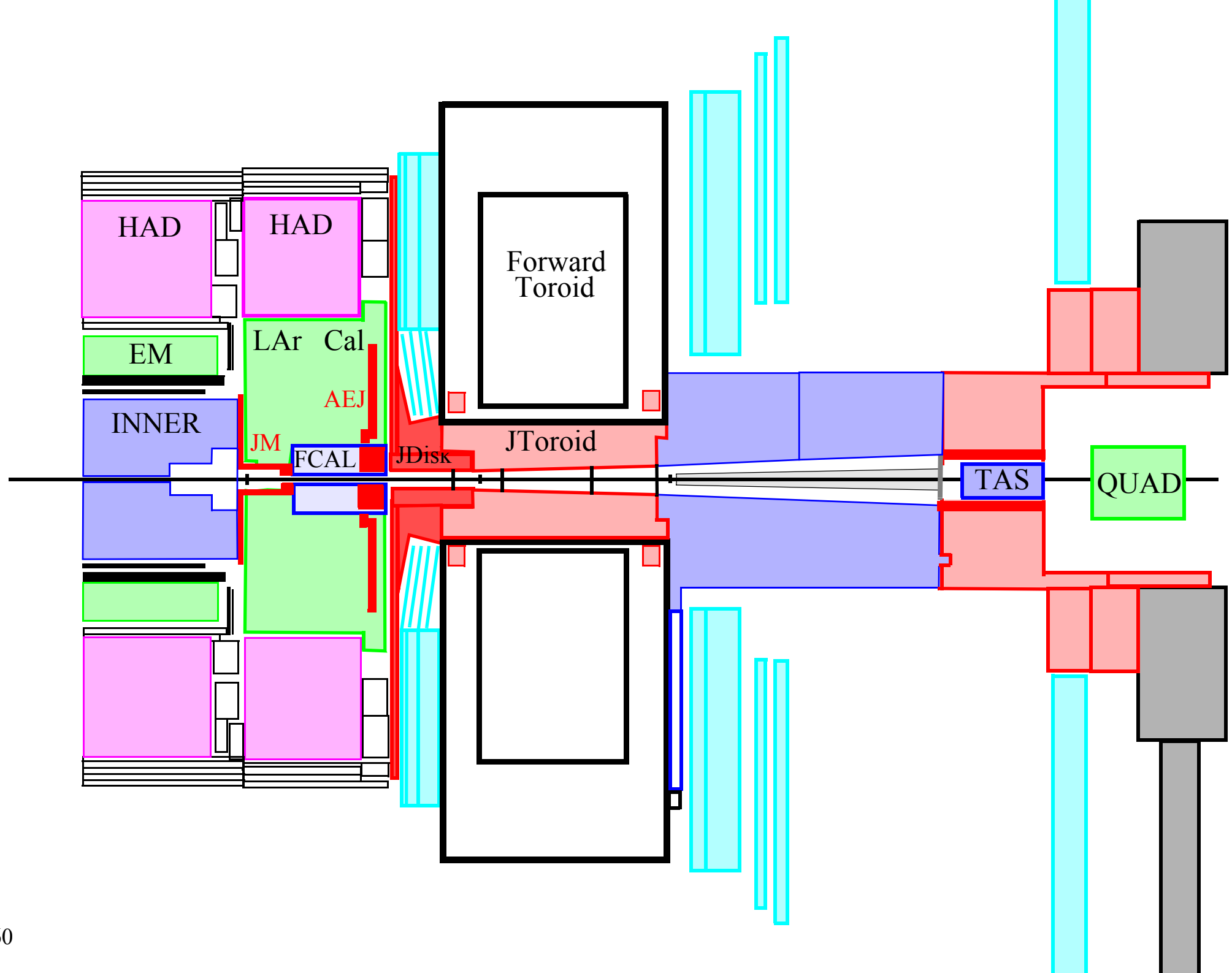
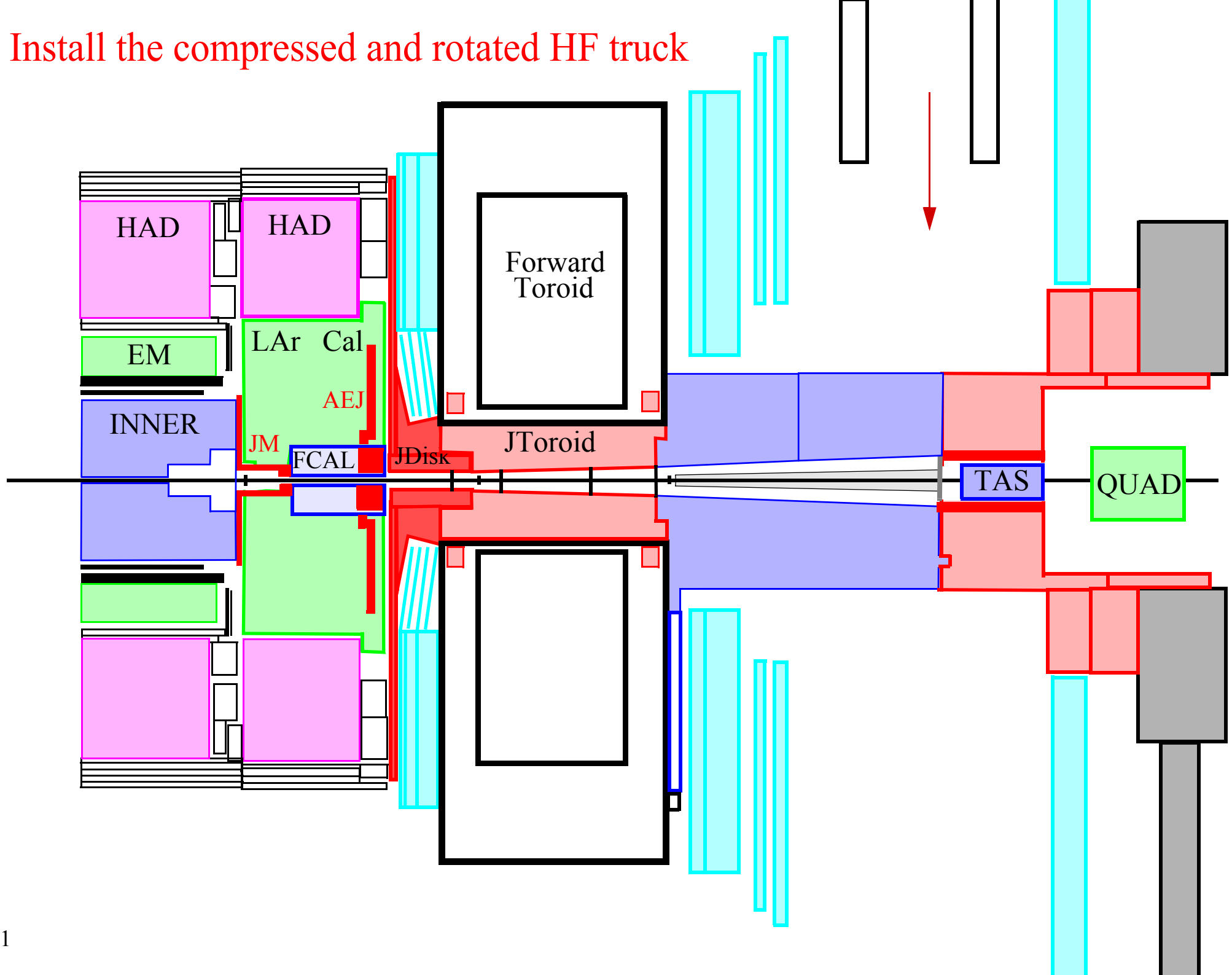
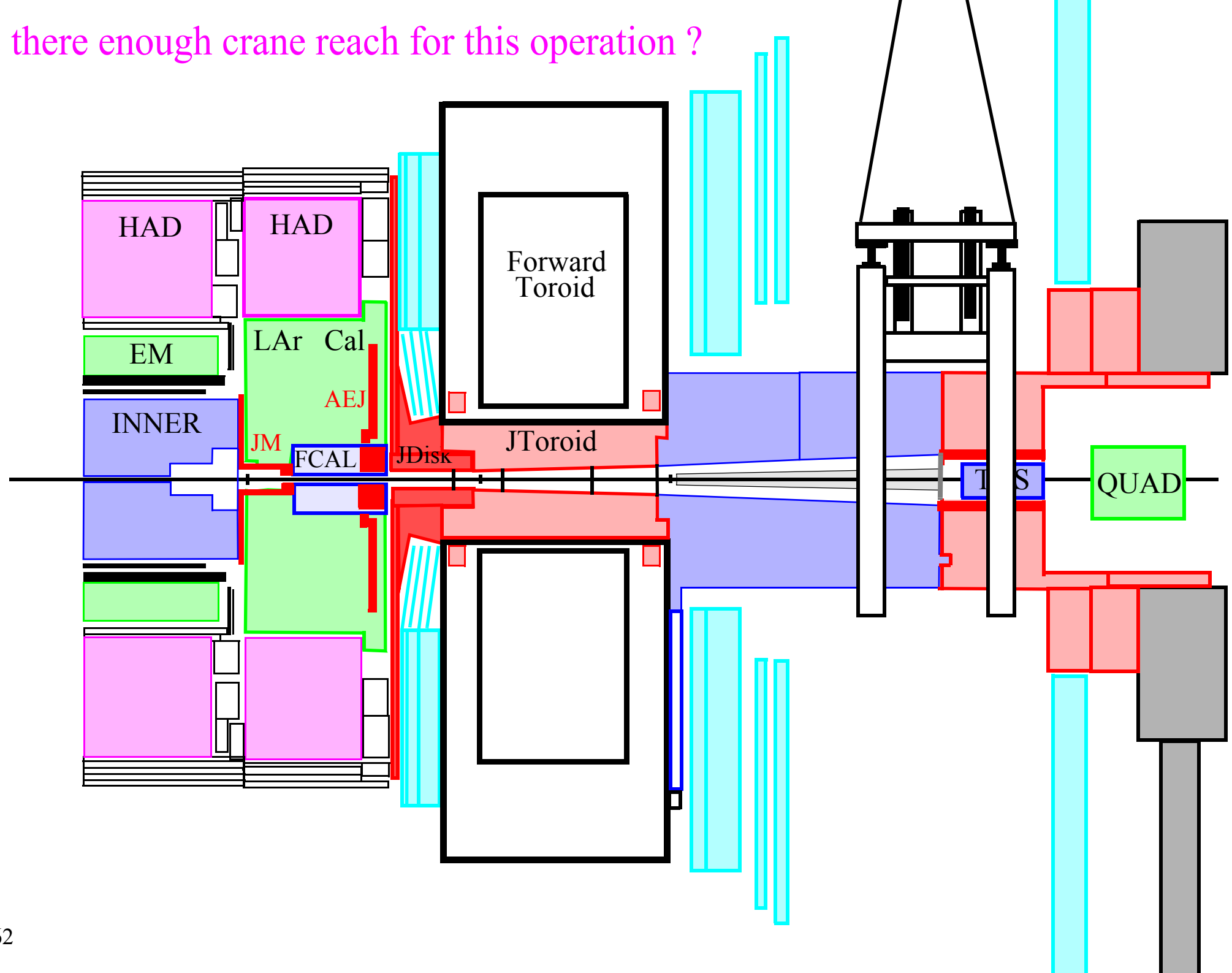
FCAL
JDisk
JToroid
TAS
QUAD

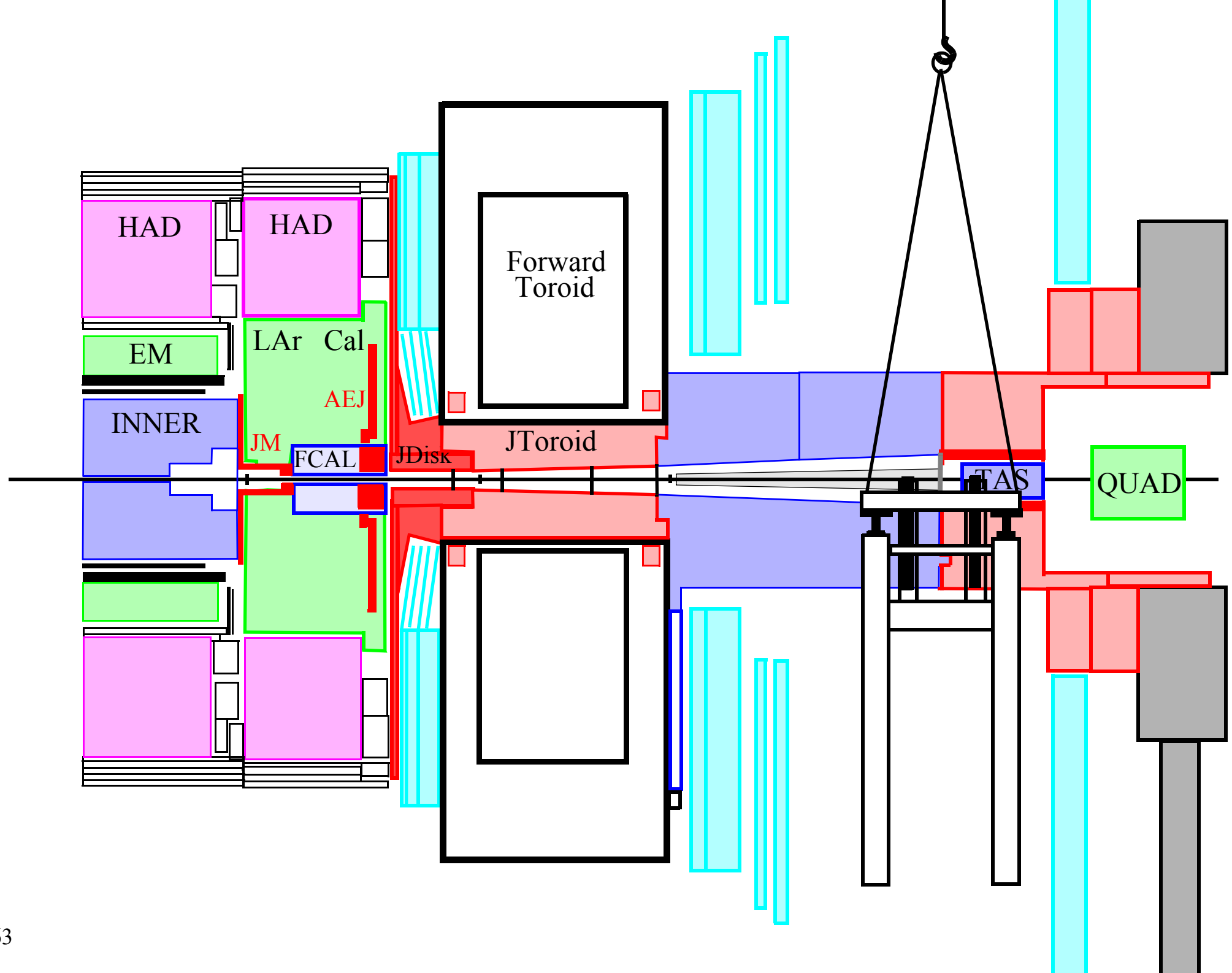

HAD
HAD
Forward
Toroid
LAr Cal
EM
AEJ
INNER
JM
FCAL
JDisk
JToroid
TAS
QUAD

Install the compressed and rotated HF truck



Is there enough crane reach for this operation ?




HAD
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AEJ
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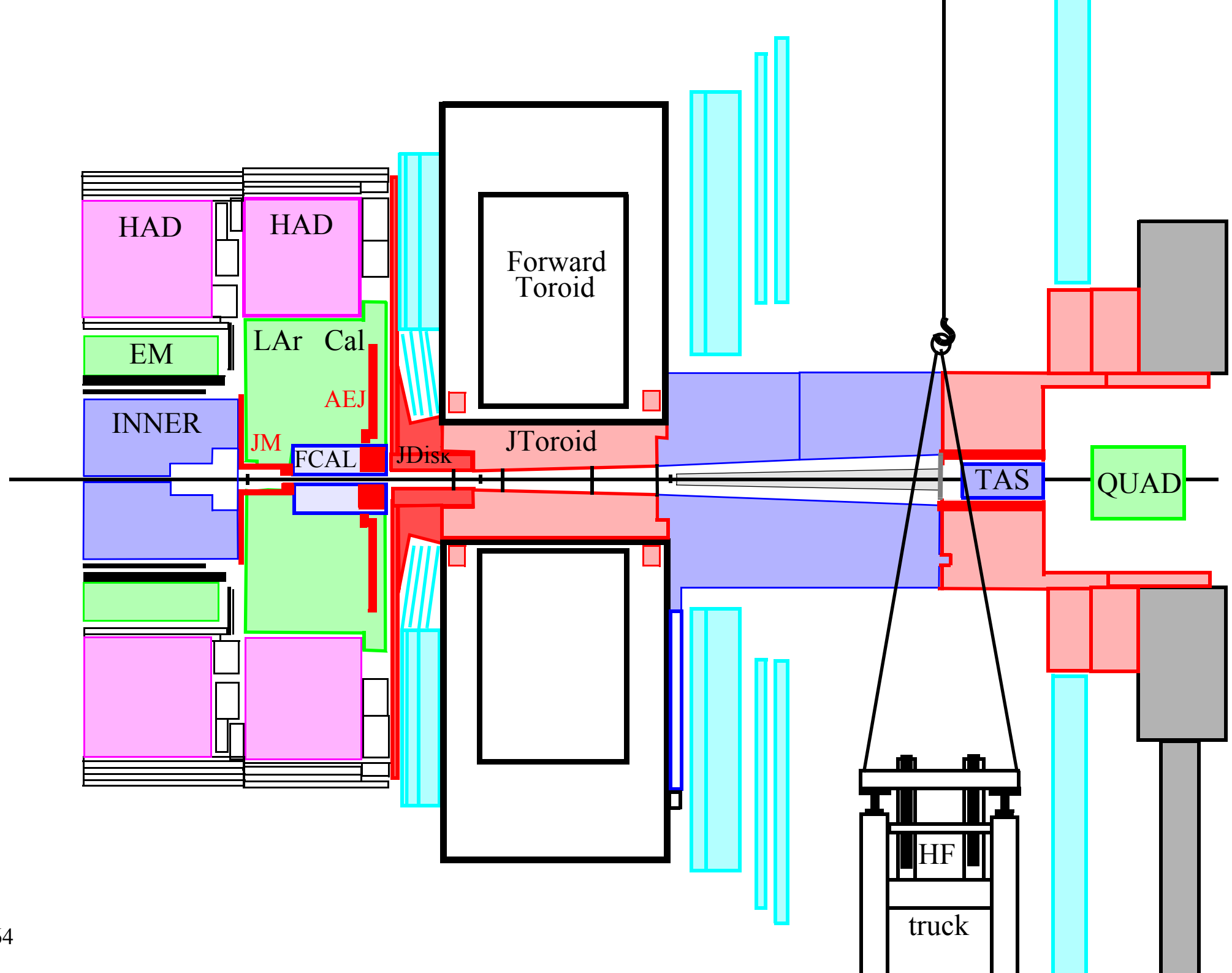
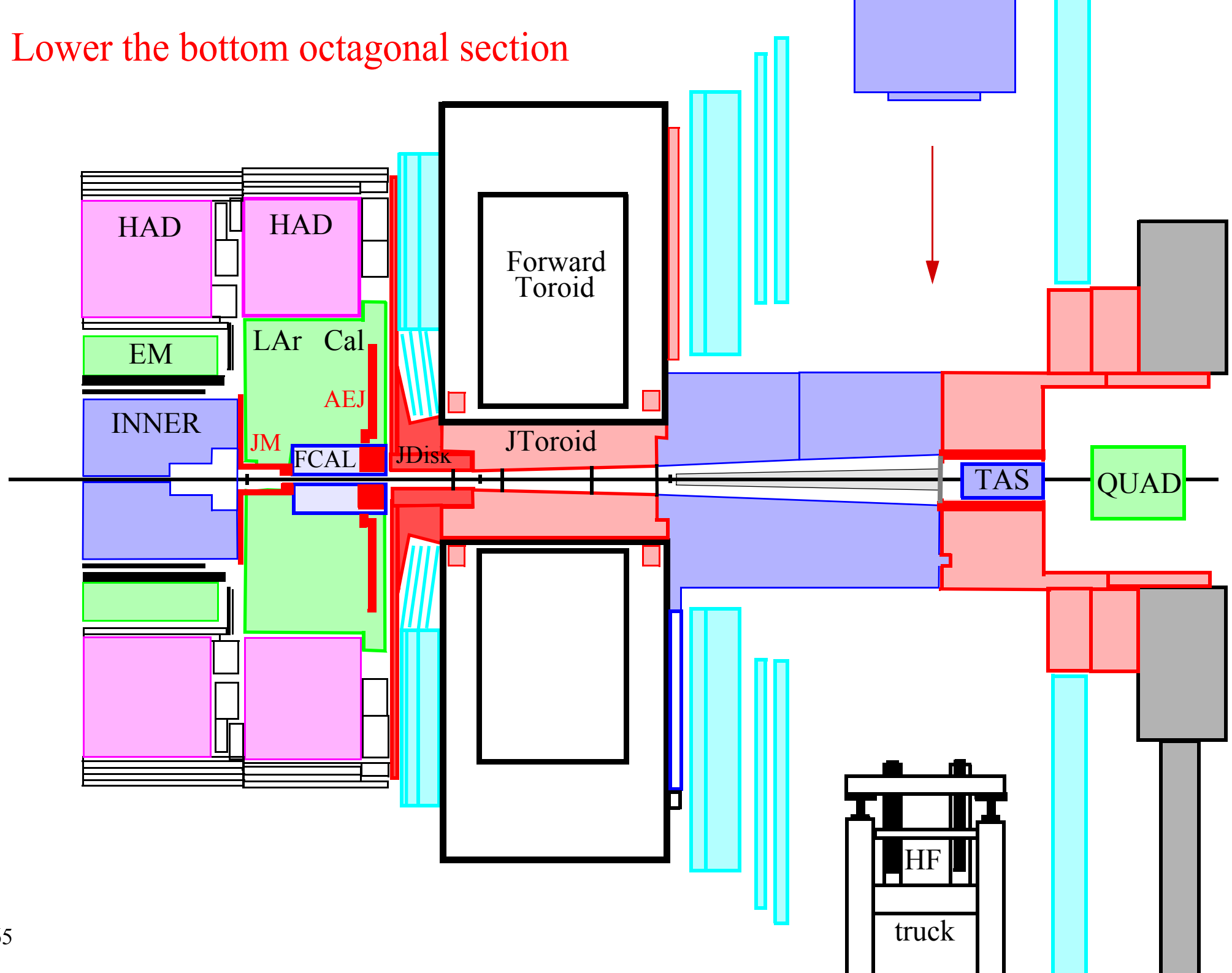
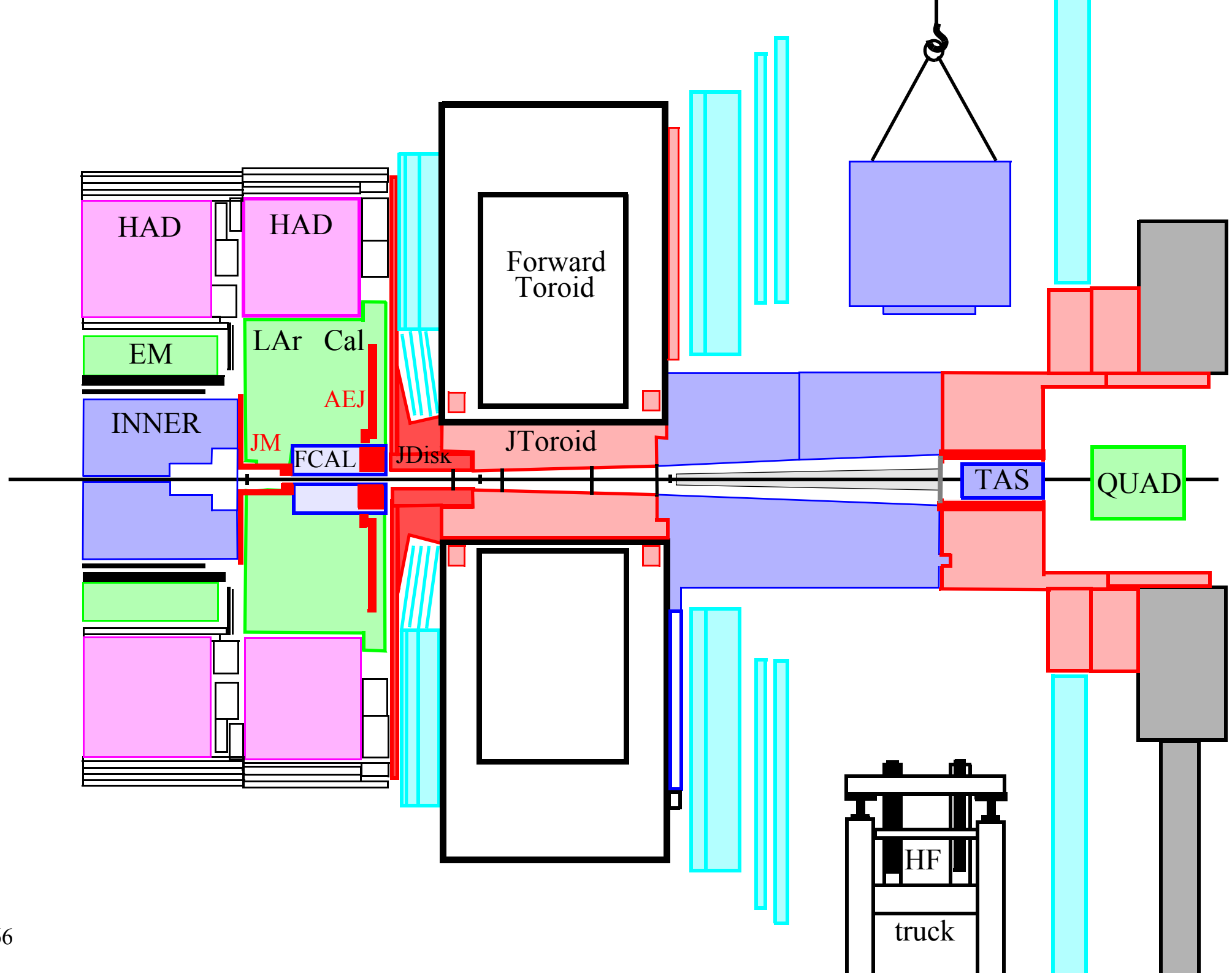
FCAL
JDisk
Forward
Toroid
JToroid
TAS
QUAD


HAD
HAD
EM
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
TAS
QUAD
HF
truck

Lower the bottom octagonal section




HAD
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JDisk
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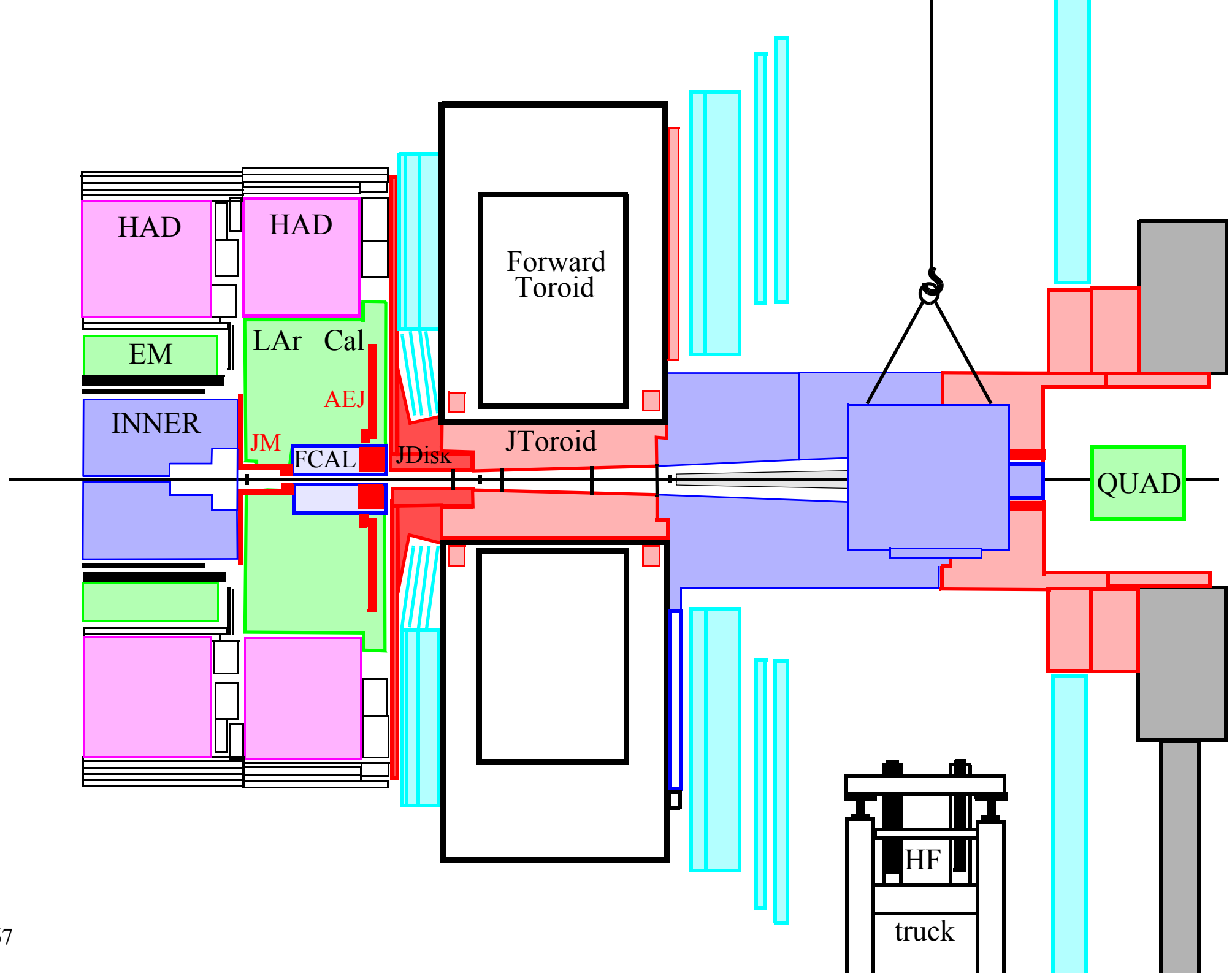
JToroid
TAS
QUAD
HF
truck


HAD
HAD
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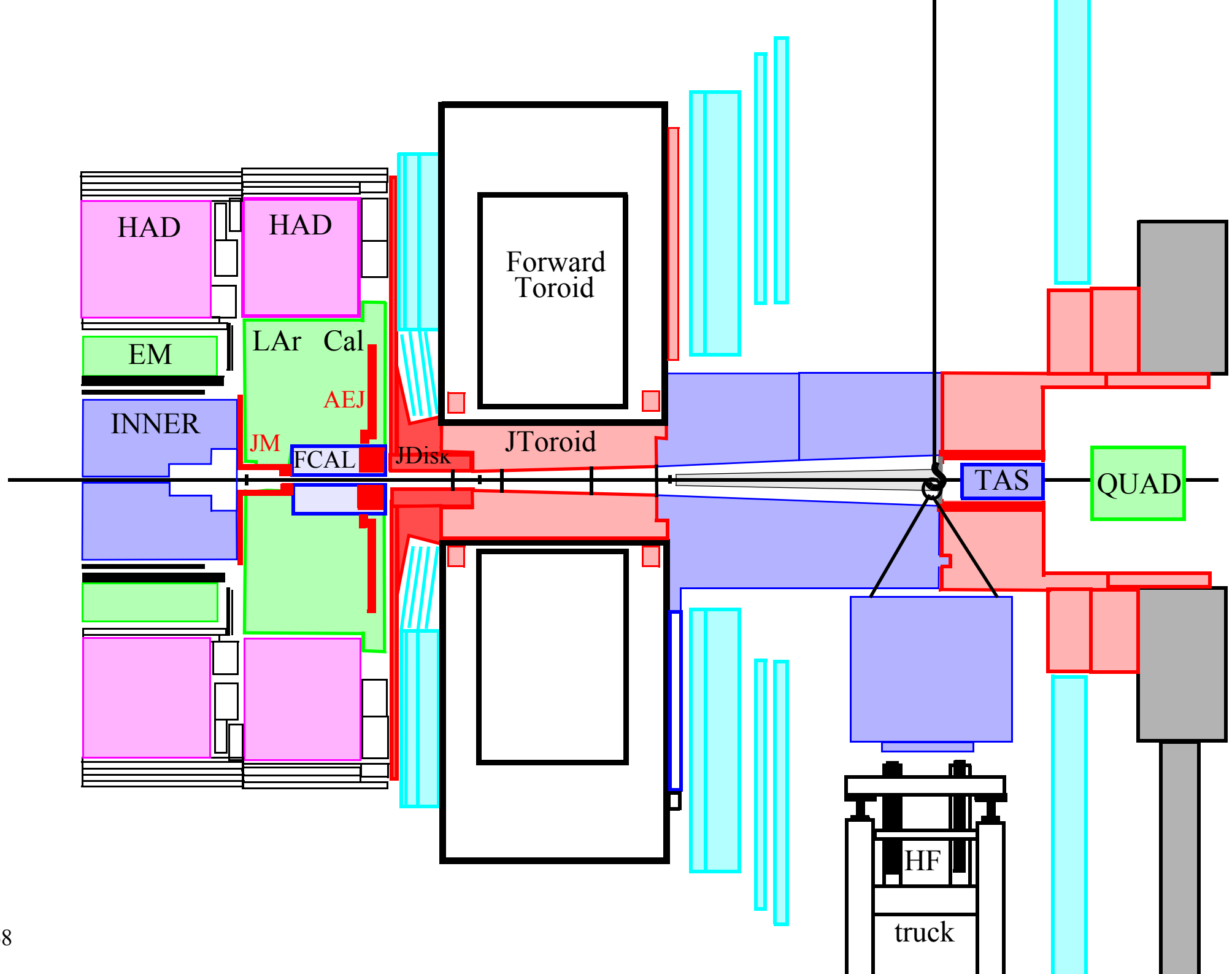
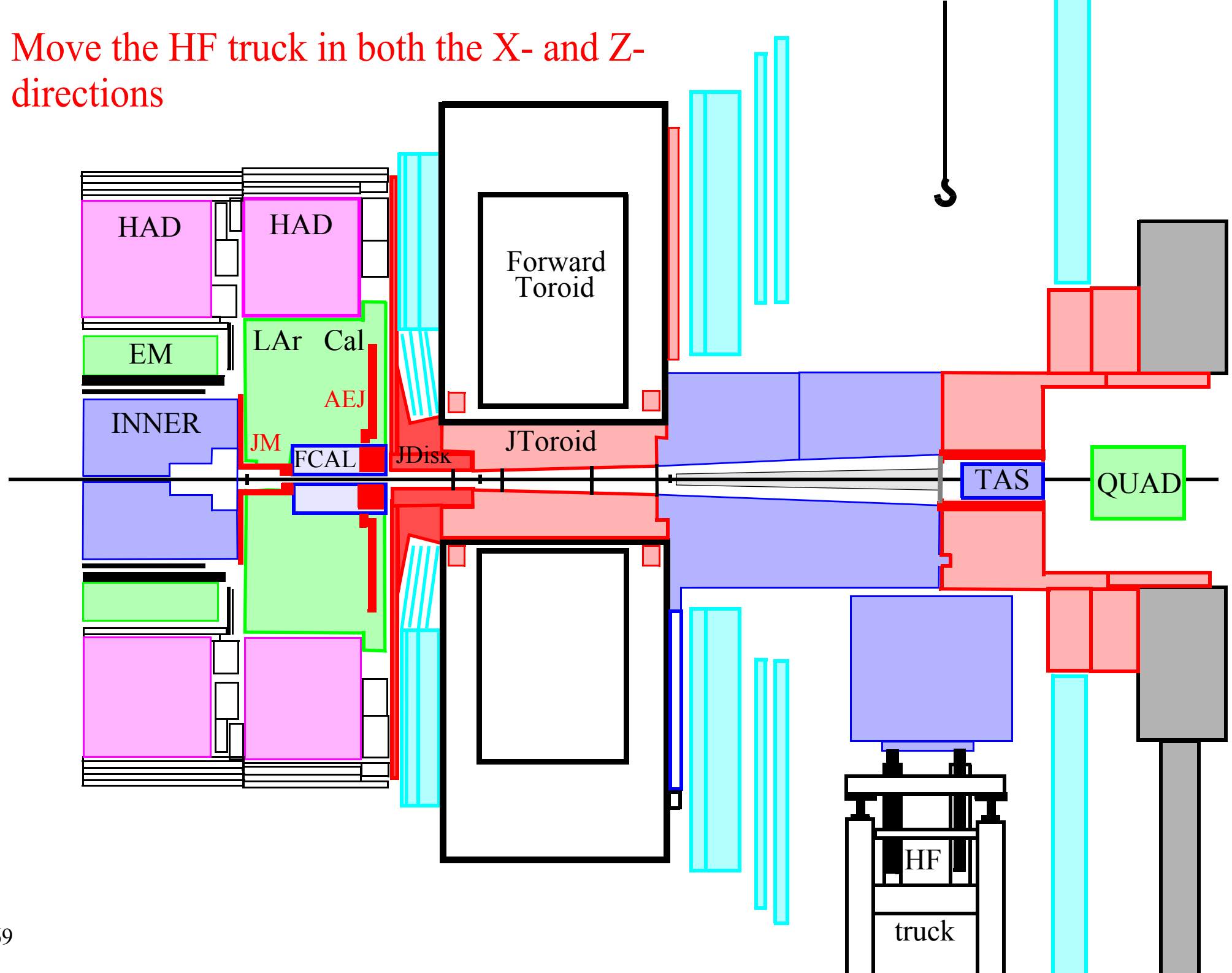
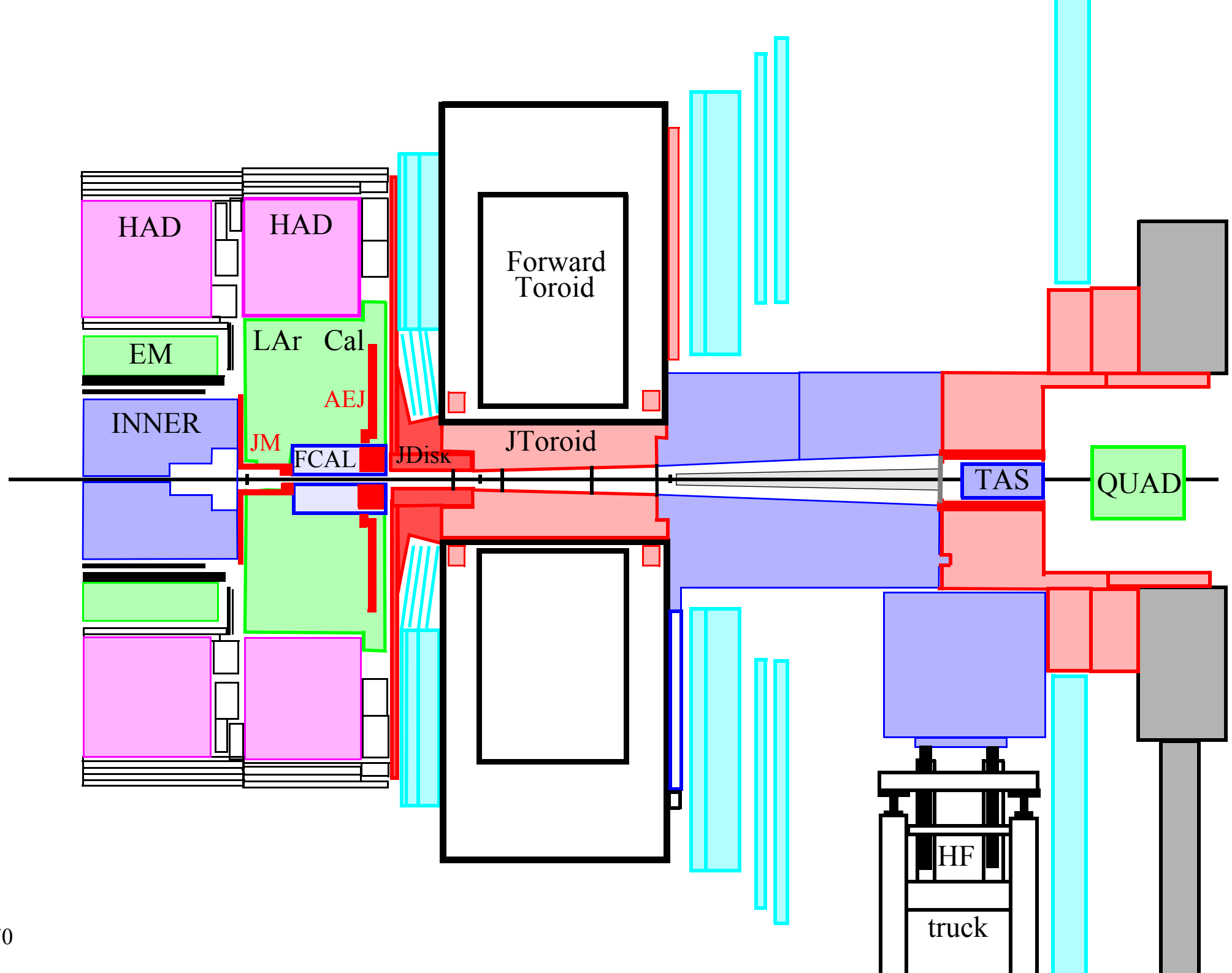
LAr Cal
AEJ
INNER
JM
FCAL
JDisk
Forward
Toroid
JToroid
QUAD
HF
truck

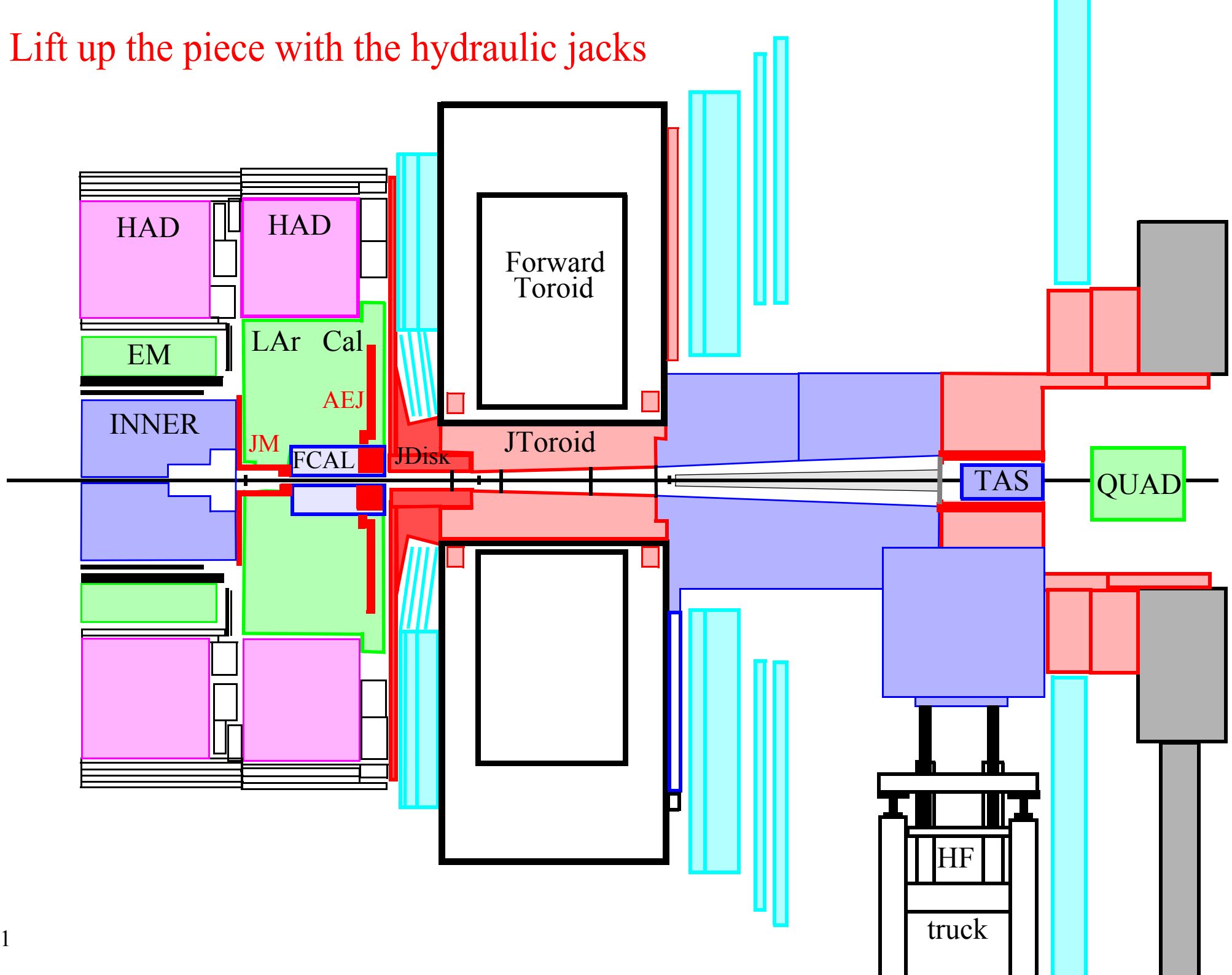

HAD
HAD
Forward
Toroid
LAr Cal
EM
AEJ
INNER
JM
FCAL
JDisk
JToroid
TAS
QUAD
HF
truck

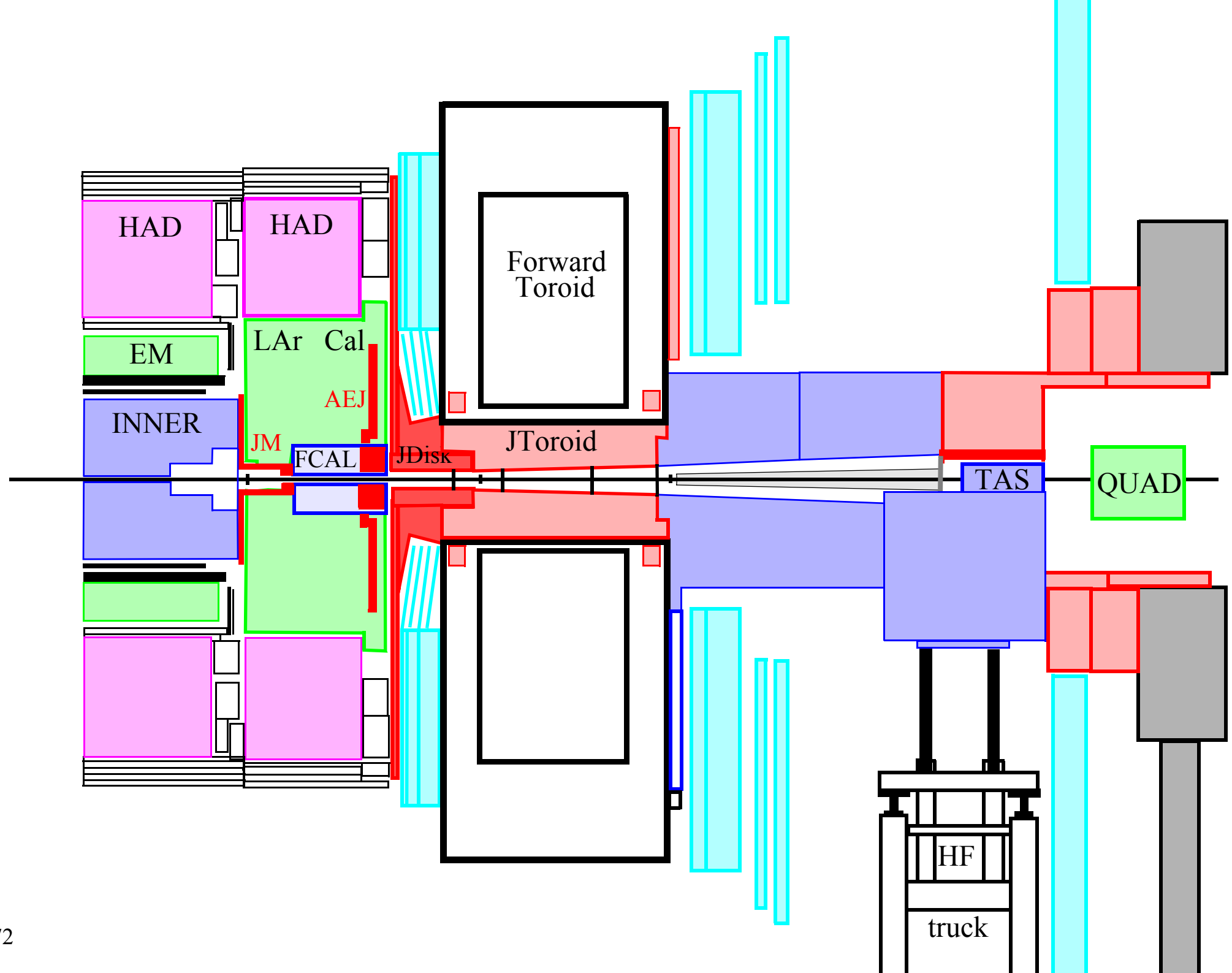
Move the HF truck in both the X- and Z-directions




HAD
HAD
Forward
Toroid
LAr Cal
EM
AEJ
INNER
JM
FCAL
JDisk
JToroid
TAS
QUAD
HF
truck

Lift up the piece with the hydraulic jacks




HAD
HAD
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LAr Cal
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INNER
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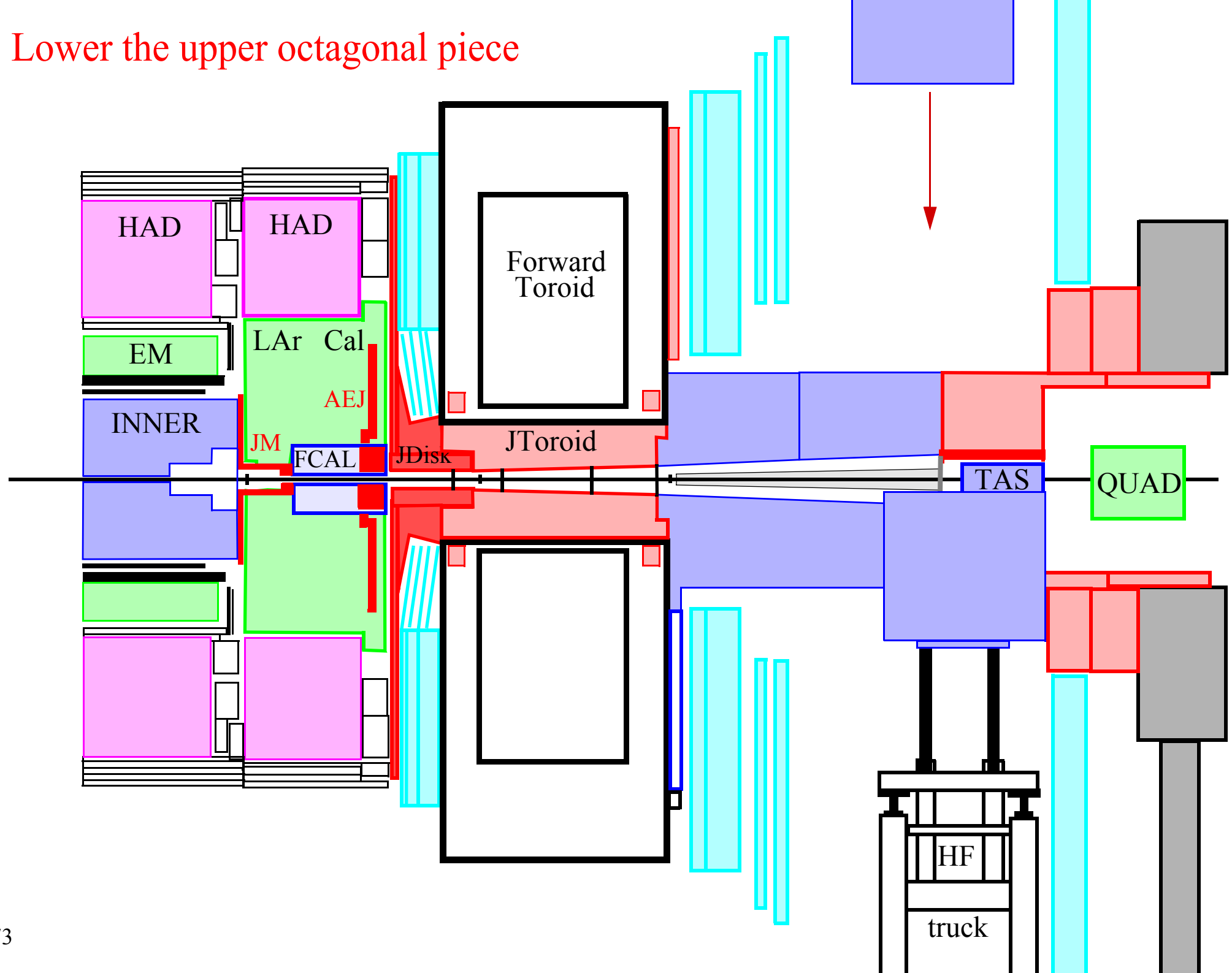
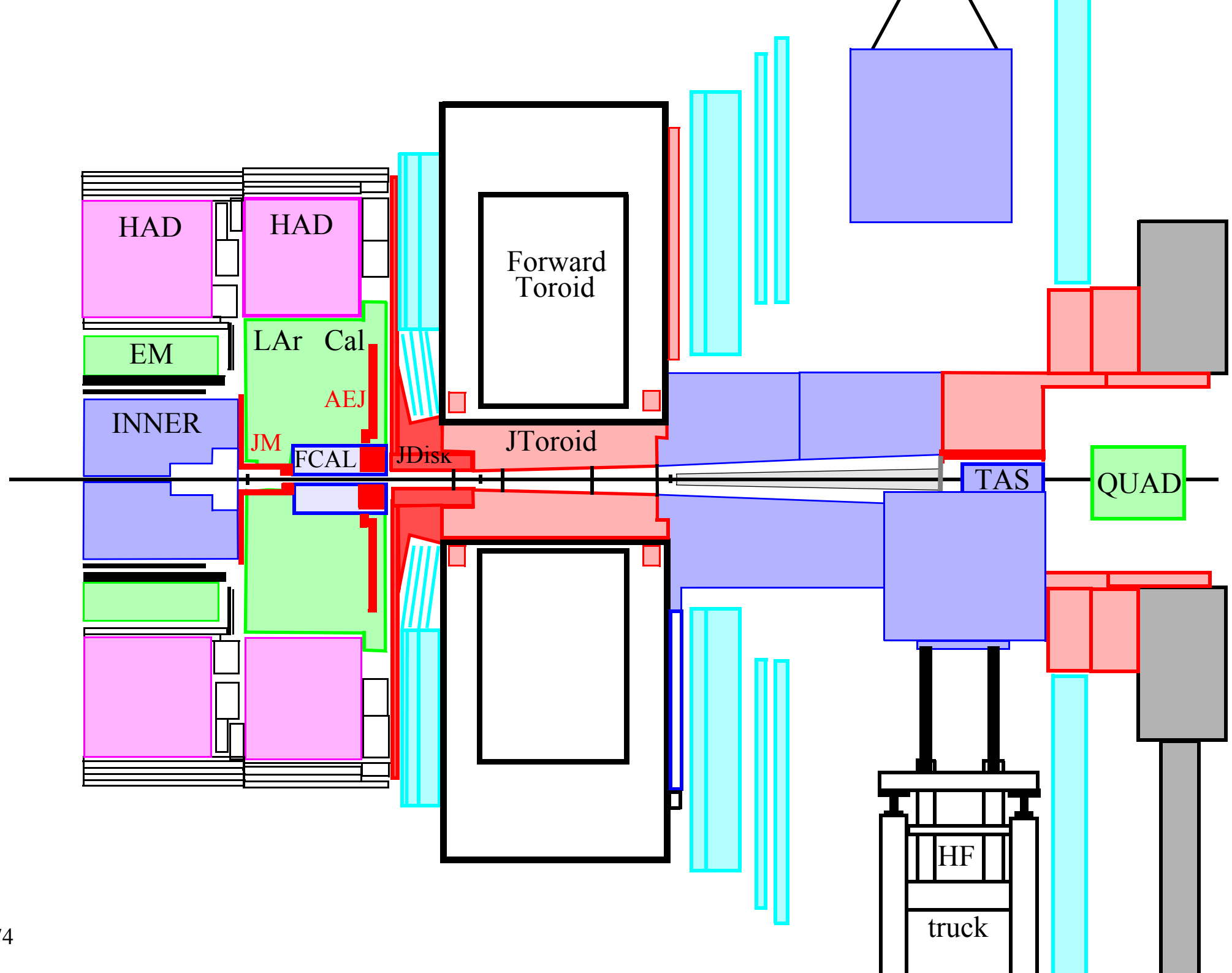
FCAL
JDisk
Forward
Toroid
JToroid
TAS
QUAD
HF
truck

Lower the upper octagonal piece




HAD
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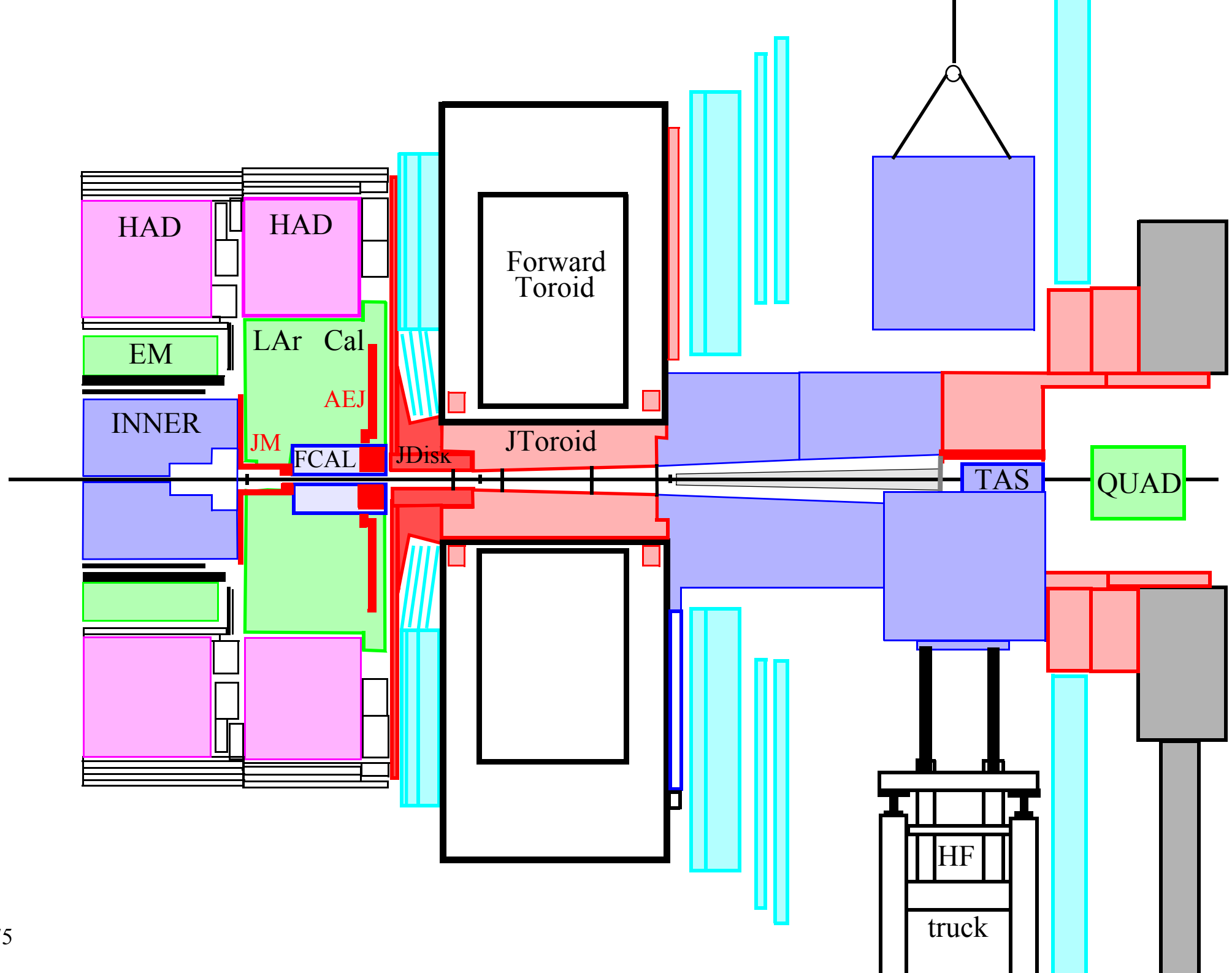
HAD
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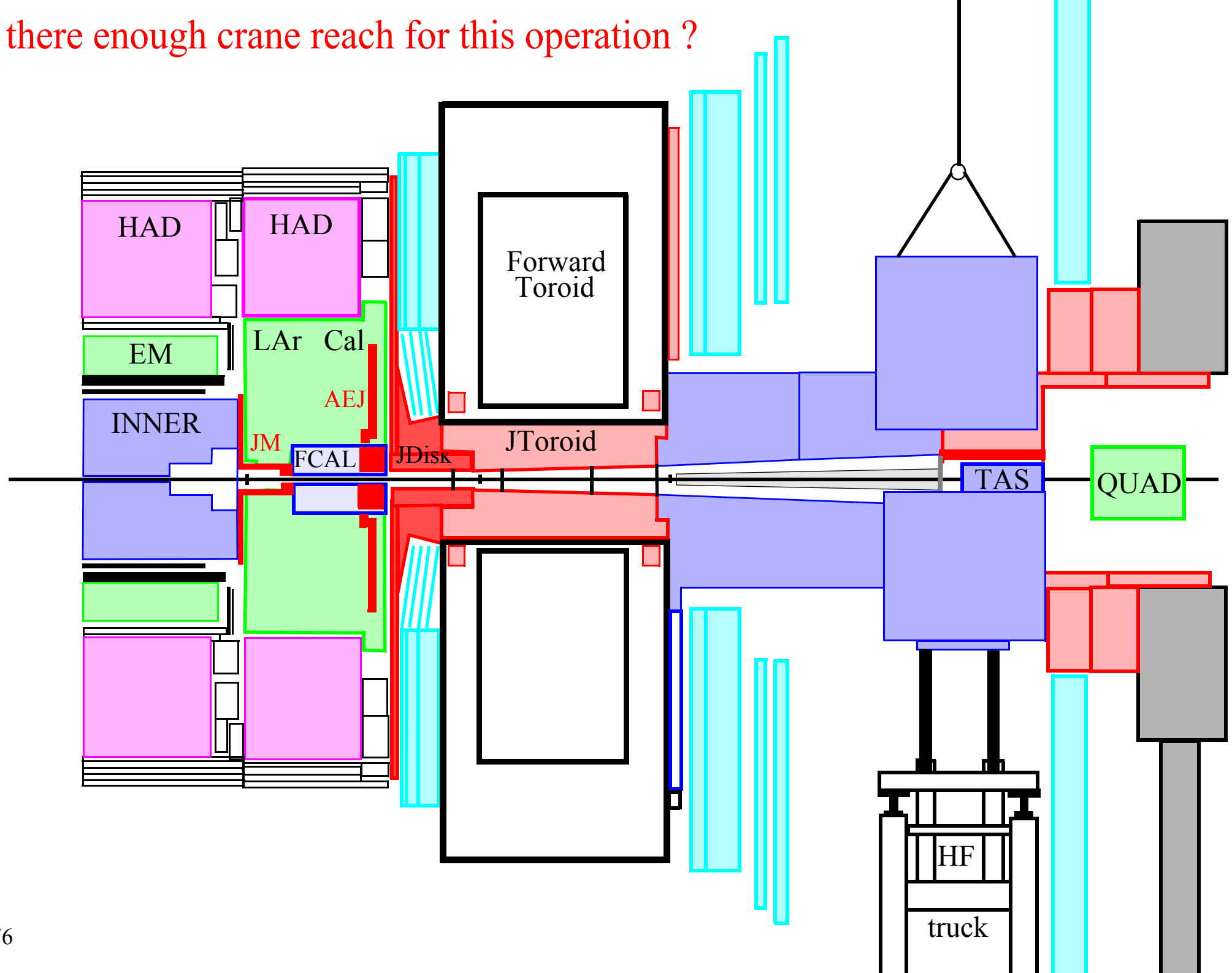
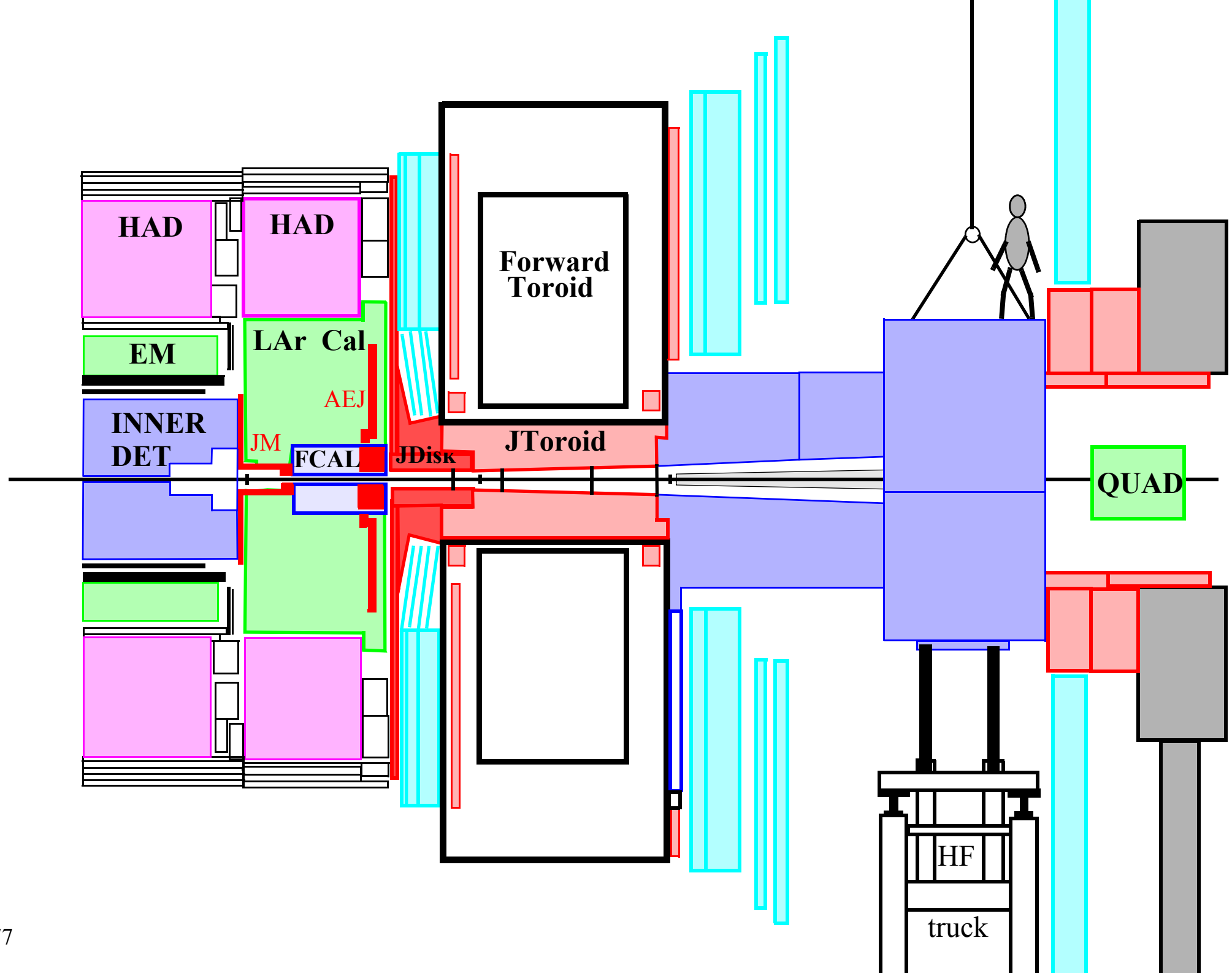
FCAL
JDisk
Forward
Toroid
JToroid
TAS
QUAD
HF
truck

Is there enough crane reach for this operation ?

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QUAD
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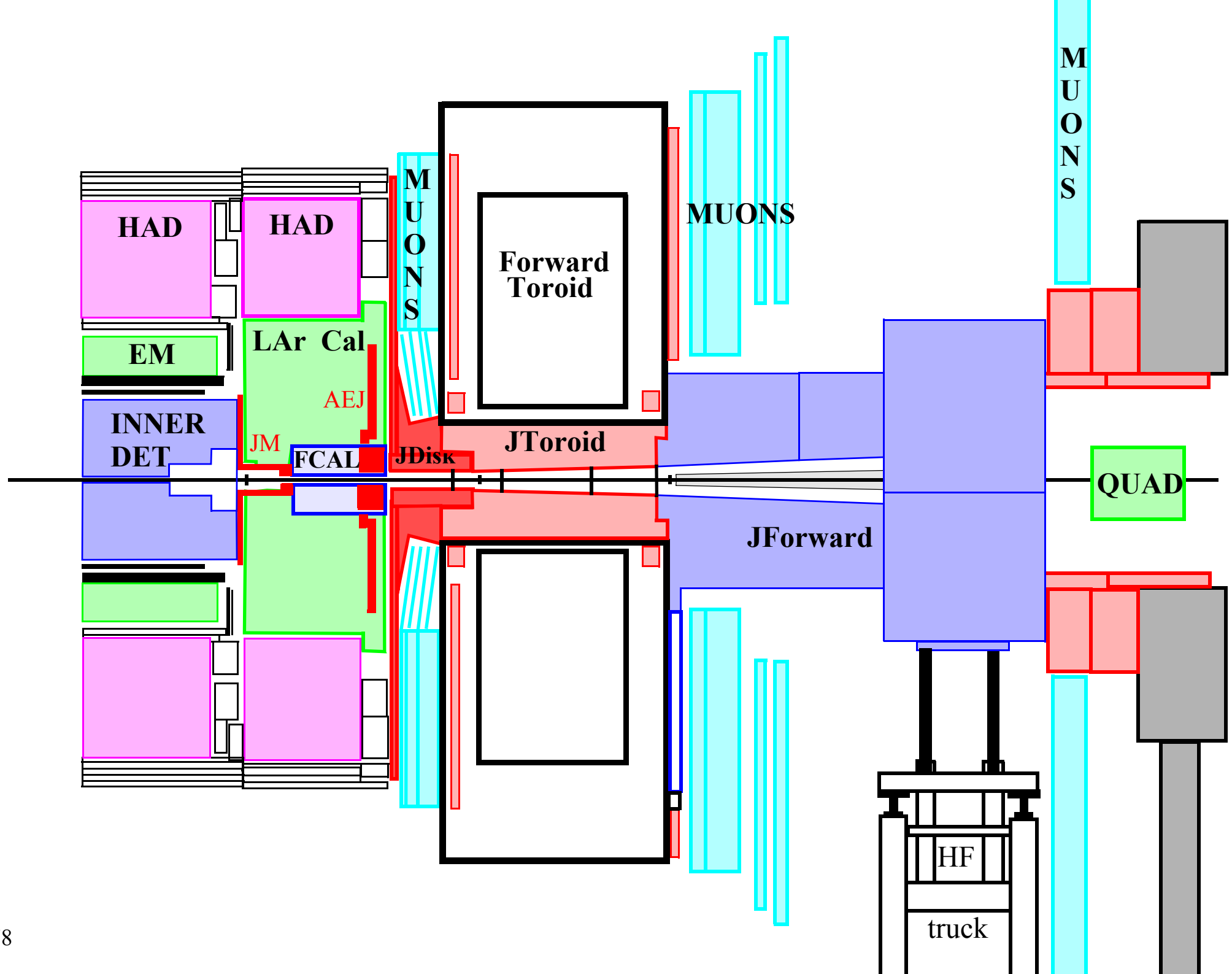
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