1. The forward shield is removed.

HAD

HAD

EM

LAr Cal

AEJ

INNER

JM

FCAL

JDisk

Forward
Toroid

JToroid

570 cm

JNose

TAS

QUAD

JF
Bridge
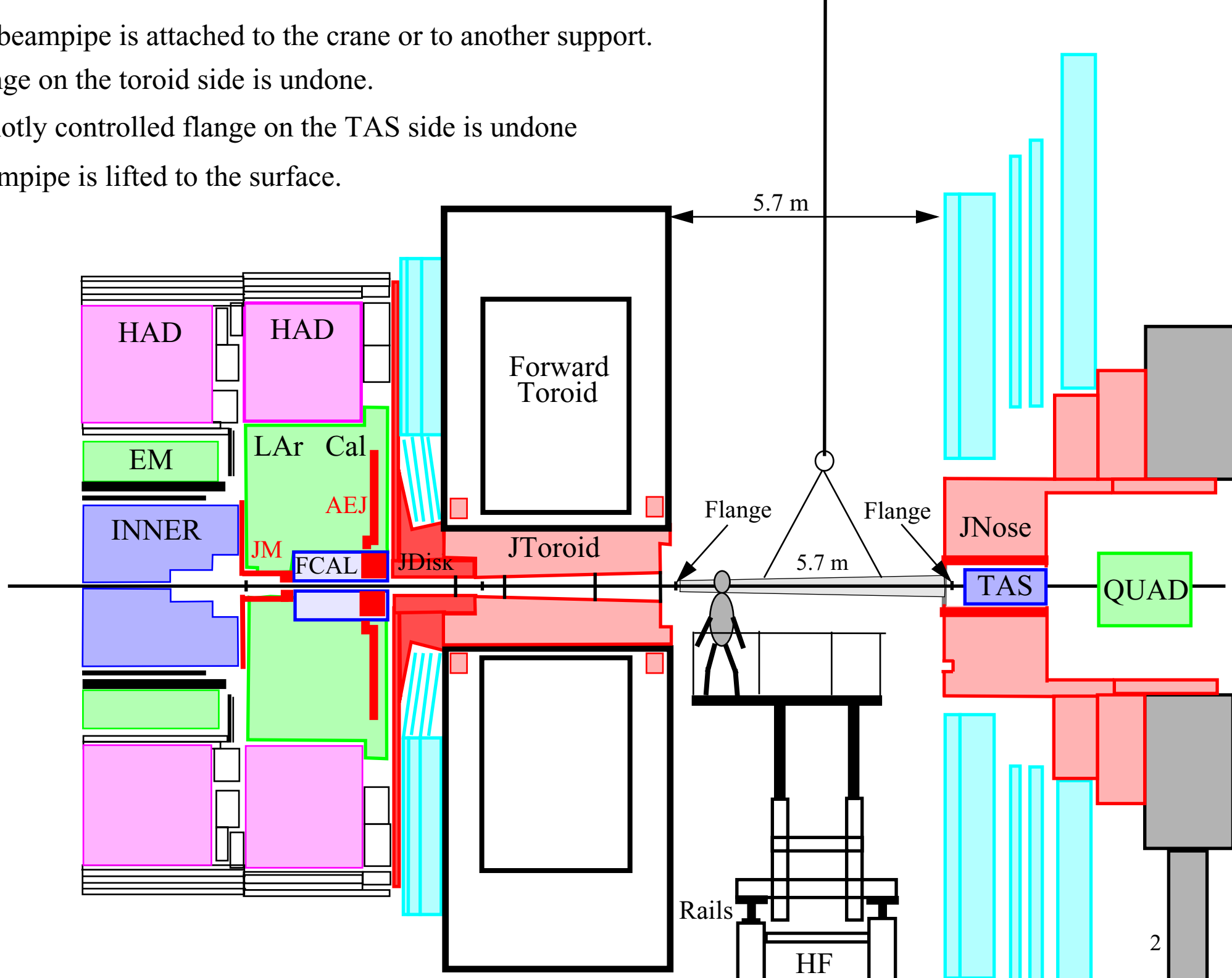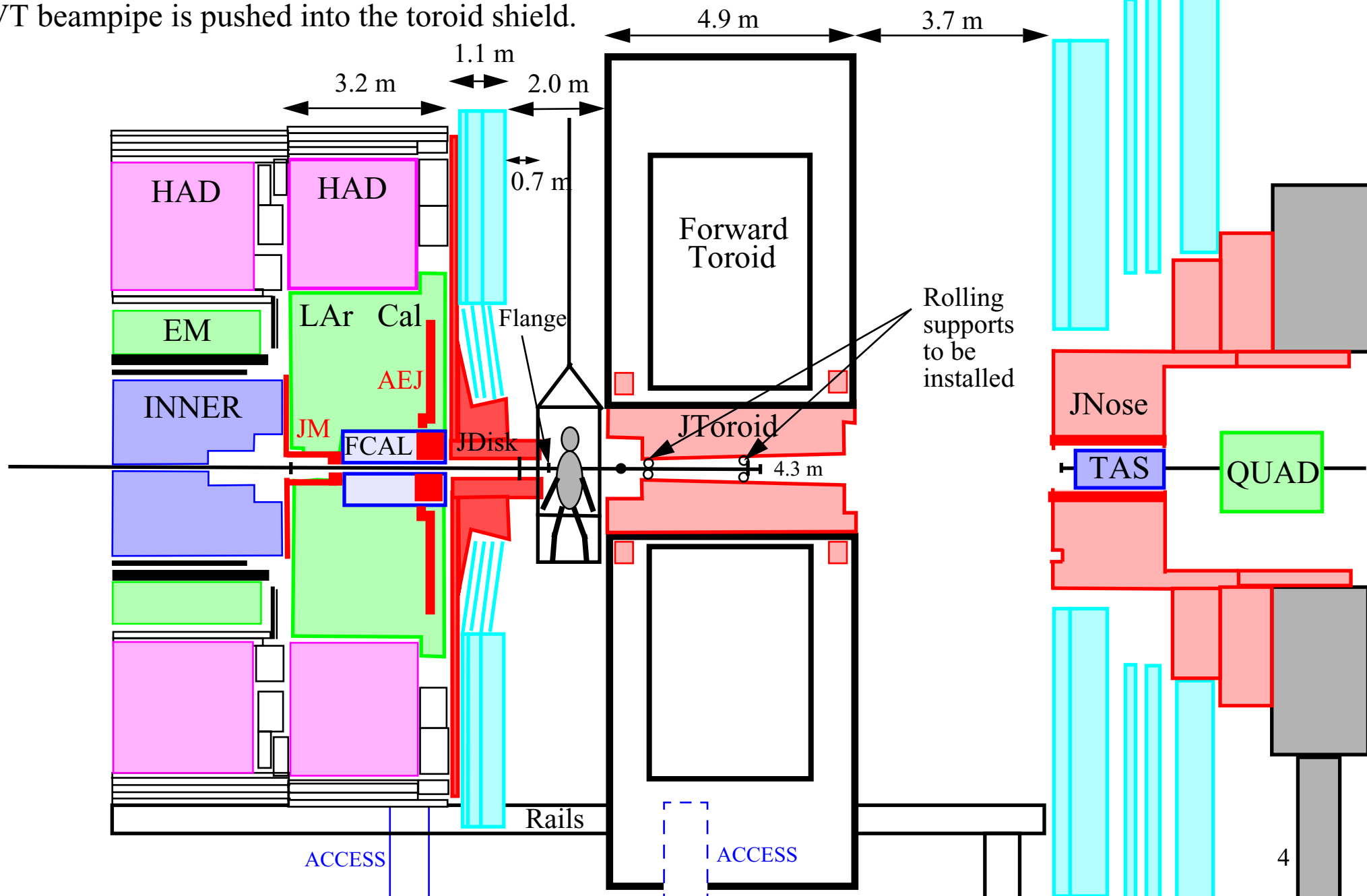
Rails

HF

truck

1
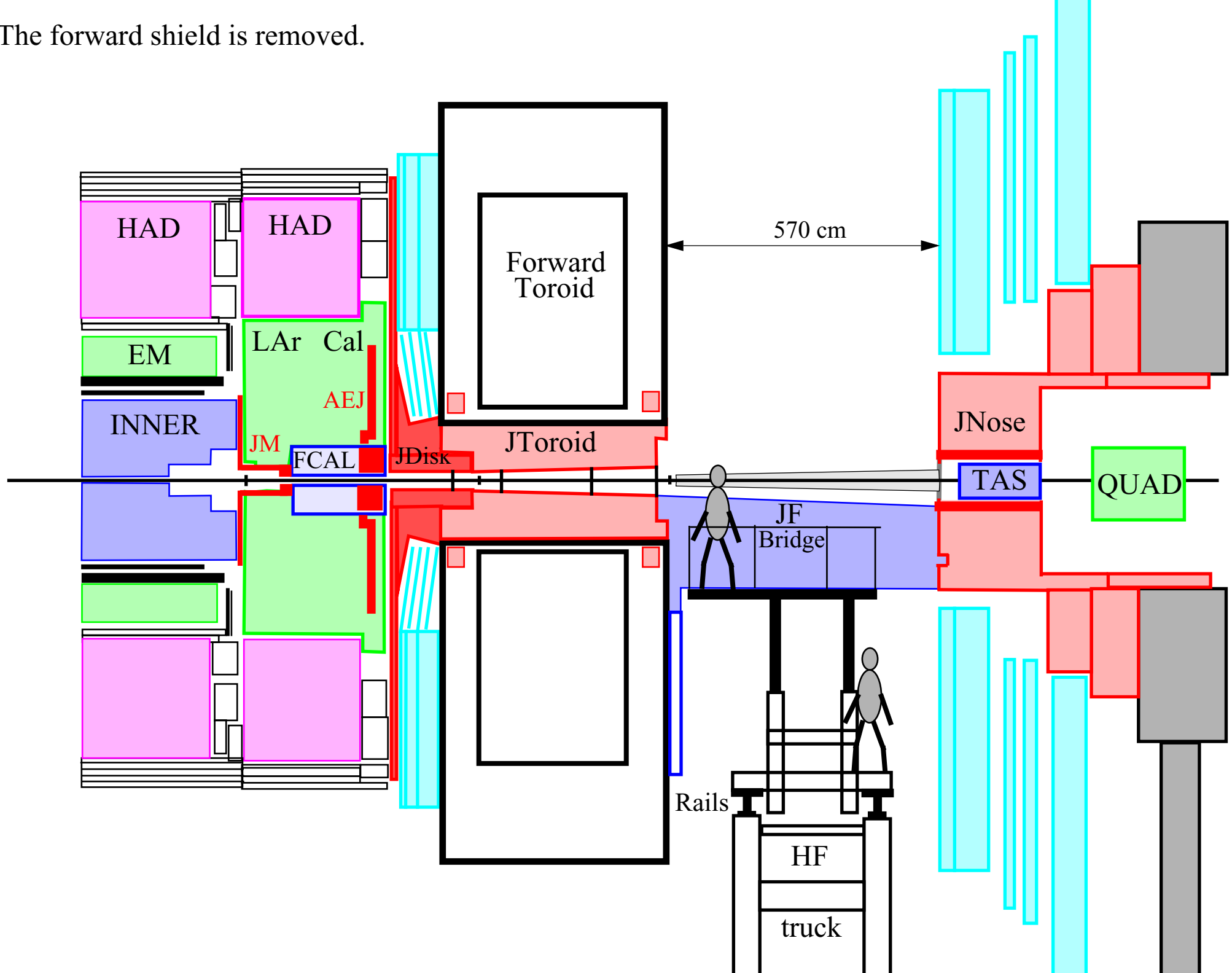
2. The VJ beampipe is attached to the crane or to another support.

3. The flange on the toroid side is undone.

4. The remotly controlled flange on the TAS side is undone

5. The beampipe is lifted to the surface.

5.7 m

HAD

HAD

Forward
Toroid

EM

LAr   Cal

AEJ

INNER

JM

FCAL

JDisk

JToroid

Flange

Flange

5.7 m

JNose

TAS

QUAD

Rails

HF

2

6. The two fixed supports inside the toroid shielding are unlocked.

7. The fixed support at the end of the toroid shield is removed and replaced with a rolling support.

8. The HF platform is removed.

9. The HF truck is rotated 90 degrees.
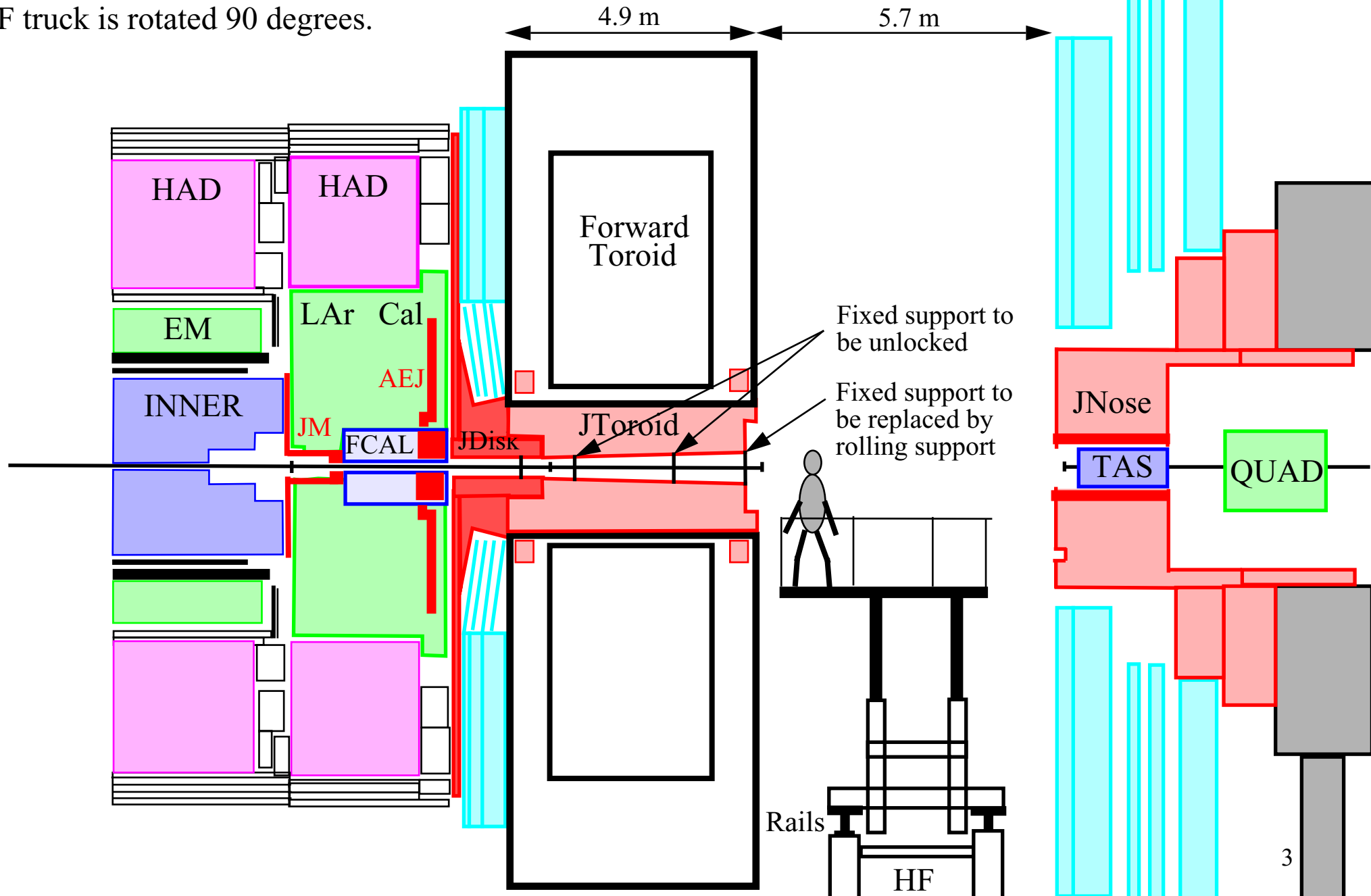
10. The toroid is moved partly onto the HF.

11. A rolling support is intalled on the IP side of the toroid.

12. The flange is undone.

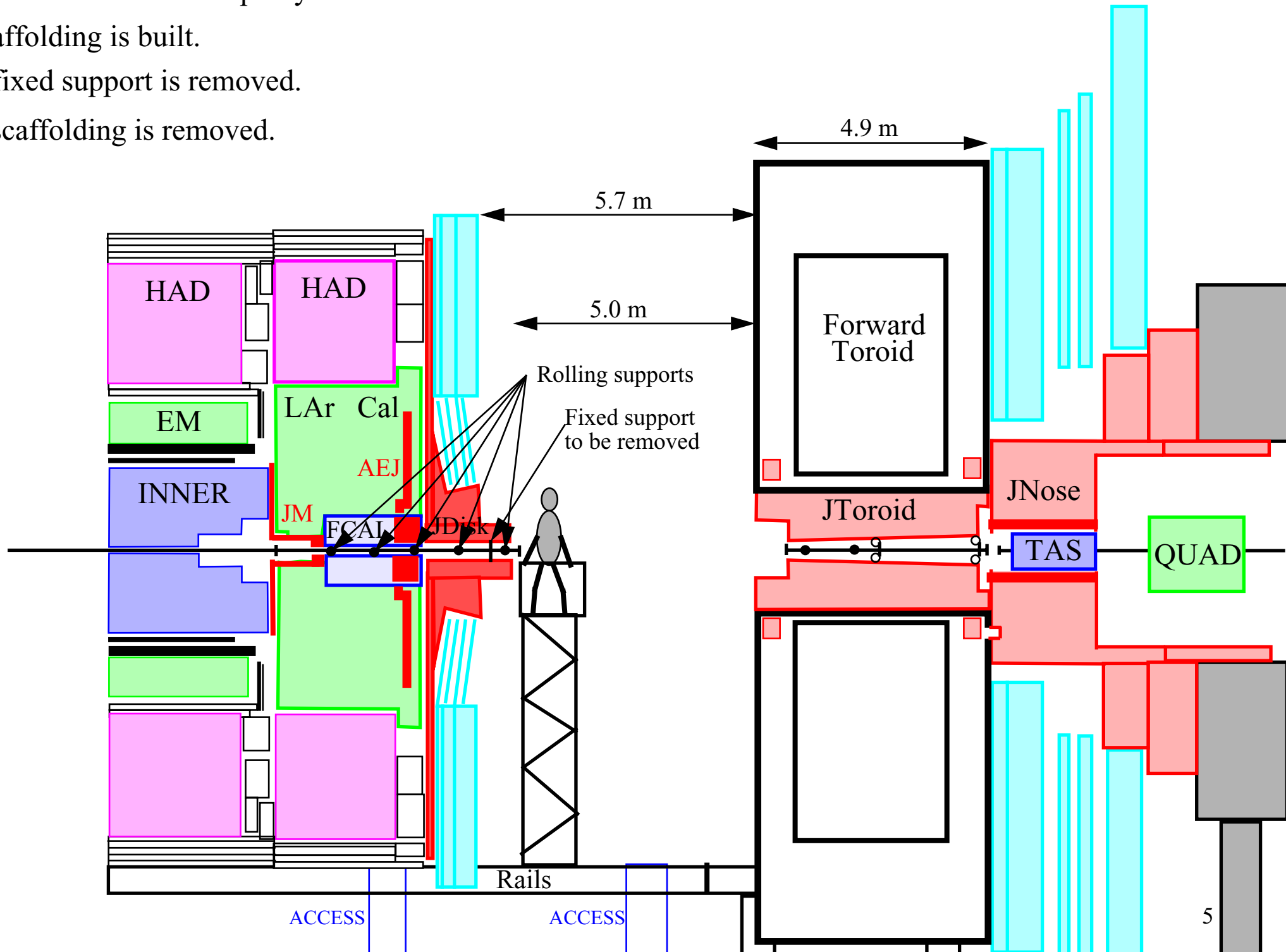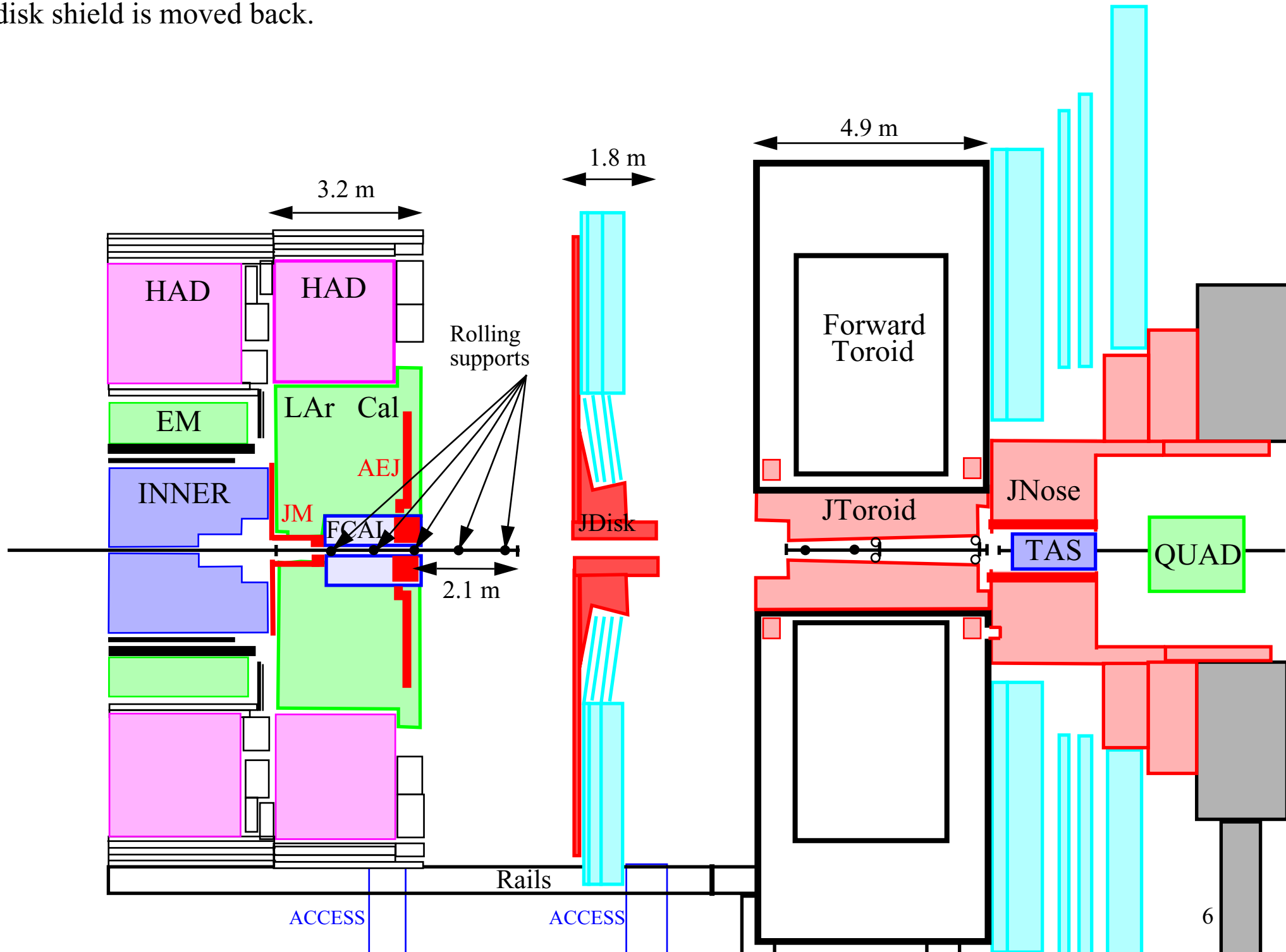13. The VT beampipe is pushed into the toroid shield.

4.9 m

3.7 m

1.1 m

3.2 m

2.0 m

0.7 m

HAD

HAD

EM

LAr   Cal

Forward
Toroid

AEJ

Flange

Rolling
supports
to be
installed

INNER

JM

FCAL

JDisk

JToroid

JNose

TAS

QUAD

4.3 m

Rails

ACCESS

ACCESS

4

14. The toroid is moved completly back.

15. A scaffolding is built.

16. The fixed support is removed.

17. The scaffolding is removed.

4.9 m

5.7 m

5.0 m

HAD

HAD

EM

LAr   Cal

AEJ

INNER

JM

FCAL

JDisk

Rolling supports

Fixed support
to be removed

Forward
Toroid

JNose

JToroid

TAS

QUAD

Rails

ACCESS

ACCESS

5

18. The disk shield is moved back.

HAD

HAD

EM

INNER

LAr   Cal

AEJ

JM

FCAL

Rolling
supports

3.2 m

1.8 m

2.1 m

JDisk

4.9 m

Forward
Toroid

JToroid

JNose

TAS

QUAD

Rails

ACCESS

ACCESS

6

19. The calorimeter is moved back such that it is supported by three rolling supports.

20. Scaffolding is being built.

21. The flange is undone.

22. The VA beampipe is pushed into the calorimeter.

23. The calorimeter is moved furher back.

HAD

EM

INNER

HAD

LAr Cal

AEJ

JM

FCAL

5.1 m

3.3 m

3.2 m

4.9 m

Forward Toroid

JDisk

JToroid

JNose

TAS

QUAD

Rails

ACCESS

ACCESS

8