

Change in particle flux: The forward shield is made of cast iron
 The forward shield is made of cast steel

G

th.n: 4.0kHz +0%
 hi.n: 710 Hz -3%
 had: 162 Hz -1%
 c.r.: 25 Hz -3%
 p.r.: 5.2 Hz +11%

th.n. = thermal neutron rate (neutrons < 100 keV)
 hi.n. = high energy neutron rate (neutrons > 100 keV)
 had = charged and neutral hadron rate > 20 MeV
 c.r. = counting rate
 $= 0.0005n + 0.0117 \gamma + (\mu + p + \pi + 0.25e) / 2$
 p.r. = penetrating particle rate
 $= 0.1 \cdot 0.0117 \gamma + (\mu + p + \pi + 0.25e) / 2$

F

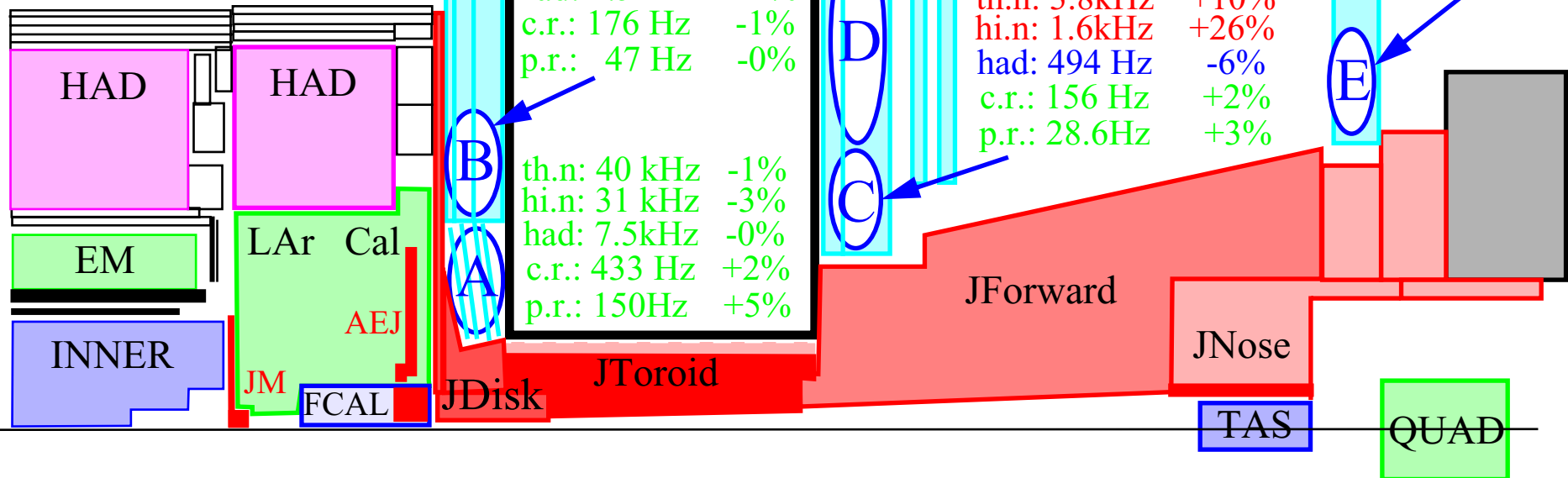
th.n: 3.7kHz -1%
 hi.n: 726 Hz -5%
 had: 146 Hz -1%
 c.r.: 25 Hz +6%
 p.r.: 6.8Hz +40%

Forward Toroid

th.n: 28 kHz +1%
 hi.n: 11 kHz -3%
 had: 1.5kHz -1%
 c.r.: 176 Hz -1%
 p.r.: 47 Hz -0%

th.n: 4.4kHz +5%
 hi.n: 1.0kHz +2%
 had: 374 Hz -5%
 c.r.: 67 Hz +2%
 p.r.: 14.1Hz -2%

th.n: 2.1kHz +5%
 hi.n: 562 Hz +4%
 had: 30 Hz +0%
 c.r.: 19 Hz -2%
 p.r.: 3.8 Hz -14%



th.n: 40 kHz -1%
 hi.n: 31 kHz -3%
 had: 7.5kHz -0%
 c.r.: 433 Hz +2%
 p.r.: 150Hz +5%

th.n: 3.8kHz +10%
 hi.n: 1.6kHz +26%
 had: 494 Hz -6%
 c.r.: 156 Hz +2%
 p.r.: 28.6Hz +3%