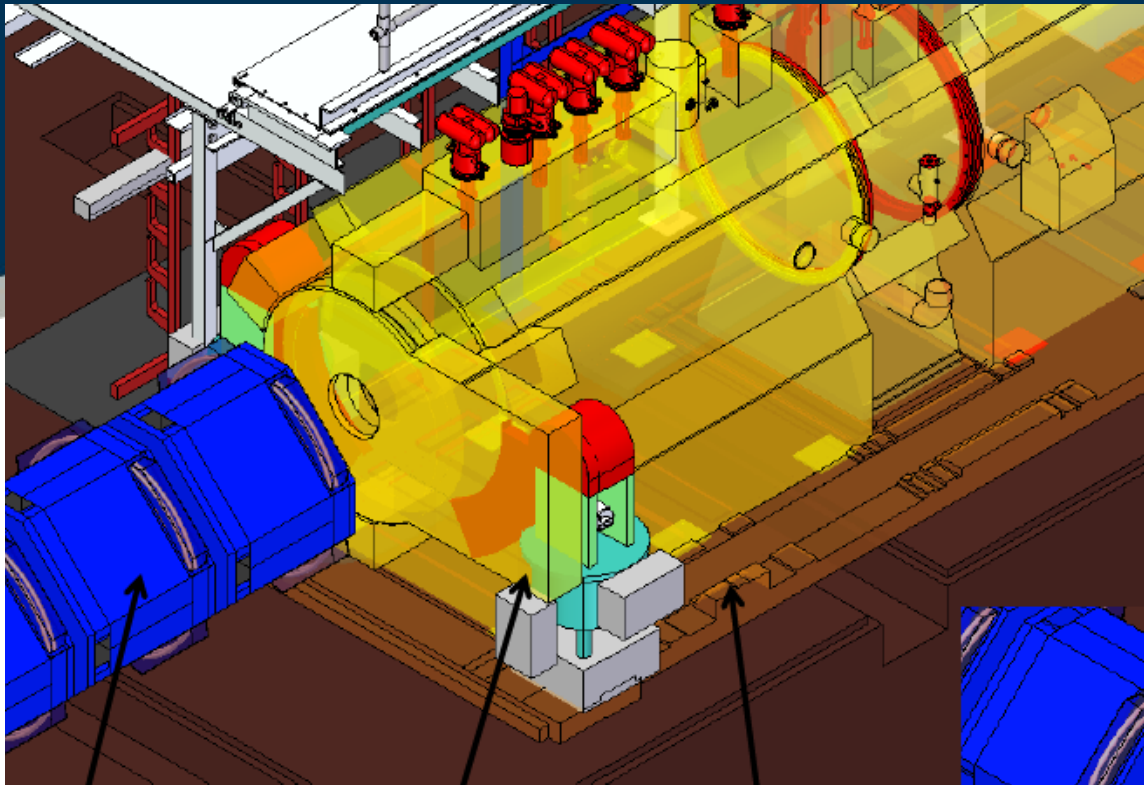




Move Cryos?



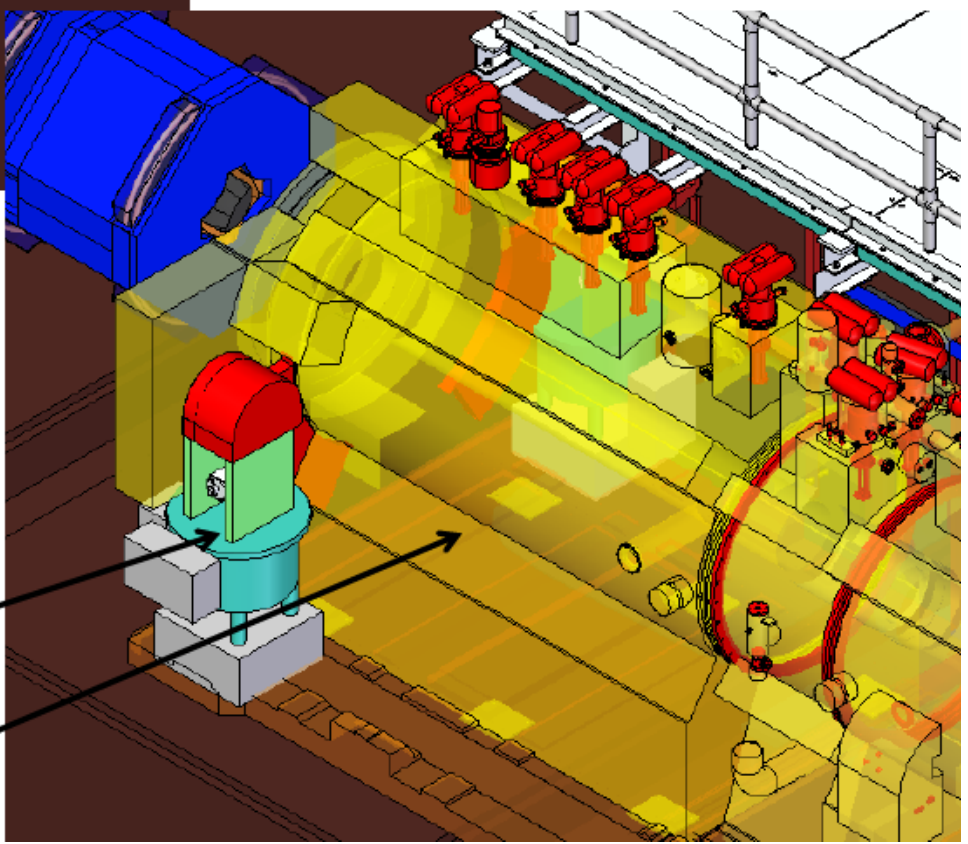
North East Tracker Cryo



Quads

Envelope space
required during
assembly of ToF1

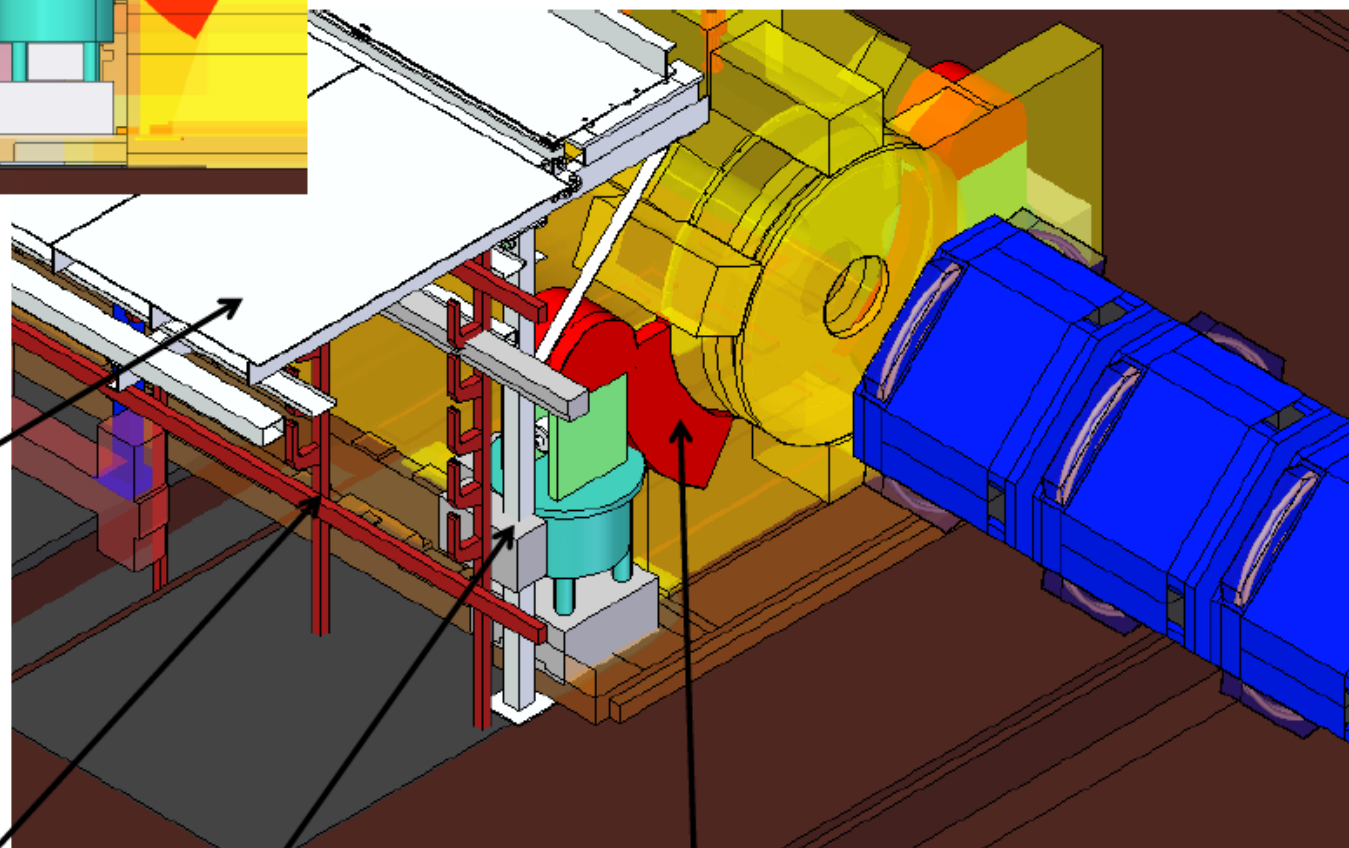
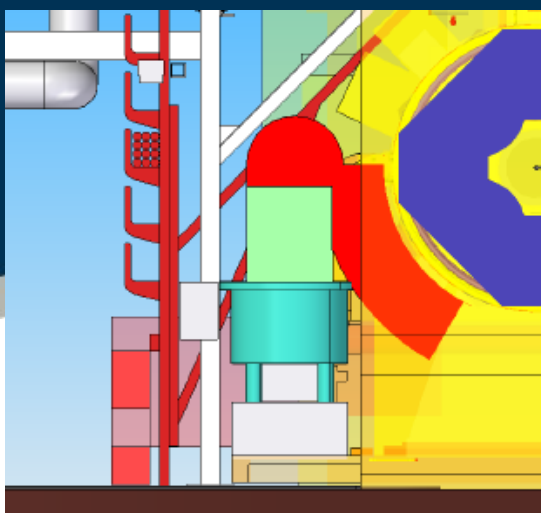
Air platform



Tracker cryo

SS Envelope

South East Tracker Cryo



South
mezzanine

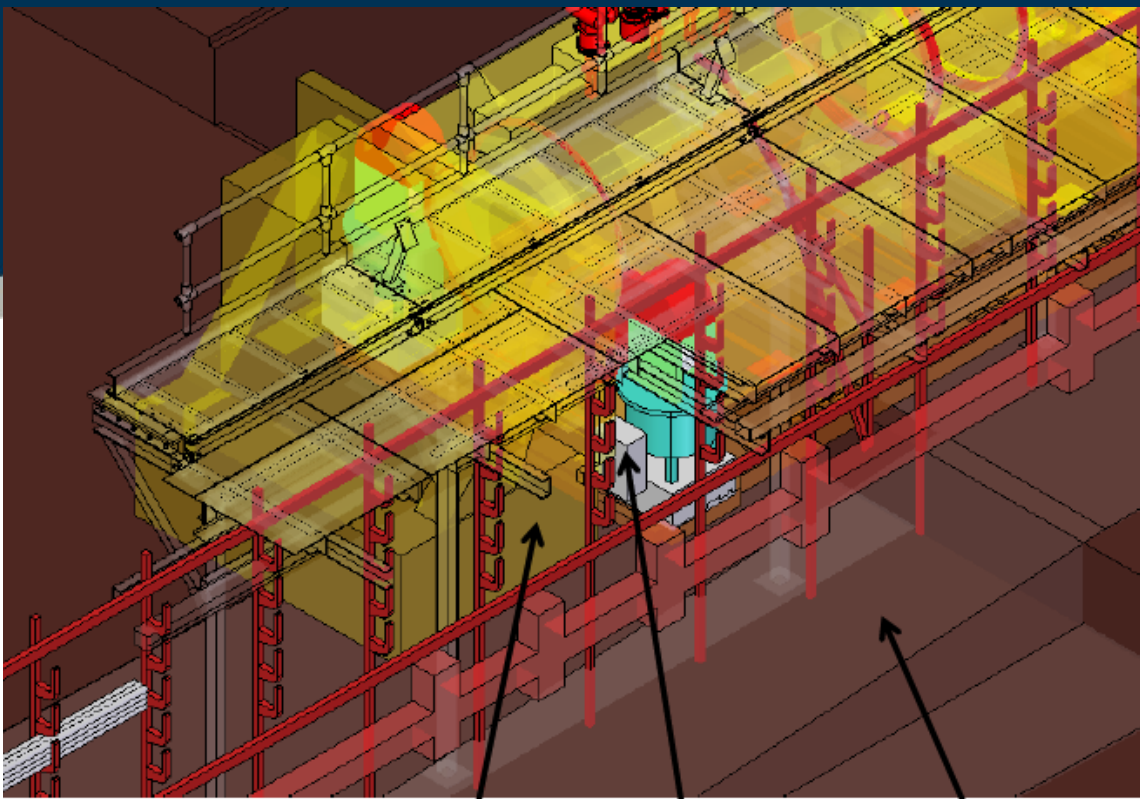
Compressor
hose tidy

**Clash
with
mezz leg!**

Light
guides

South West Tracker Cryo

Very similar constraints to the north east tracker cryo with respect to the mezzanine and other services

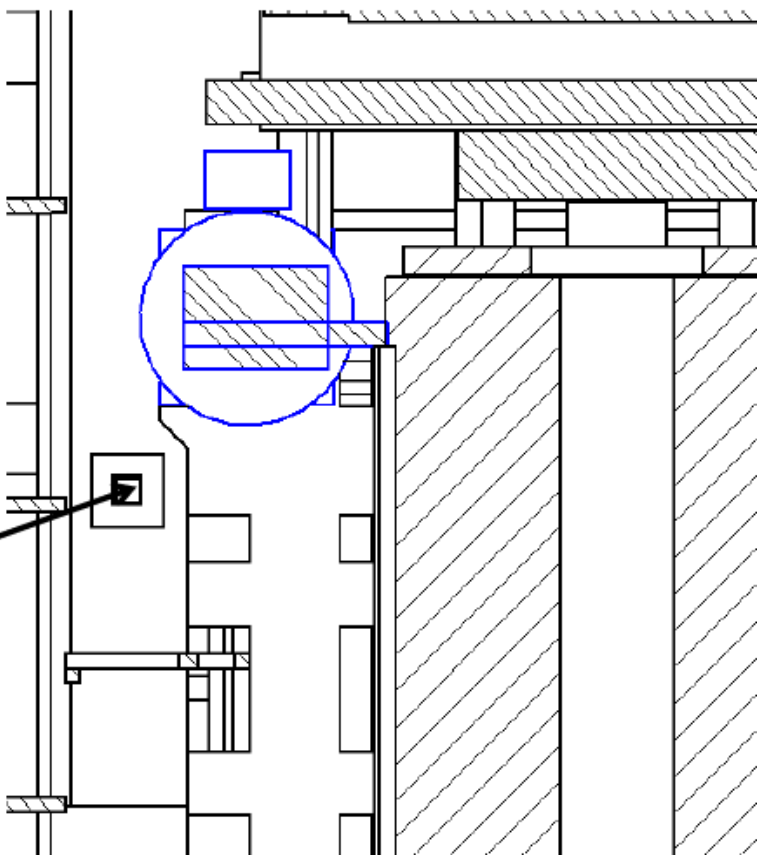


KL, EMR & KL Trolley

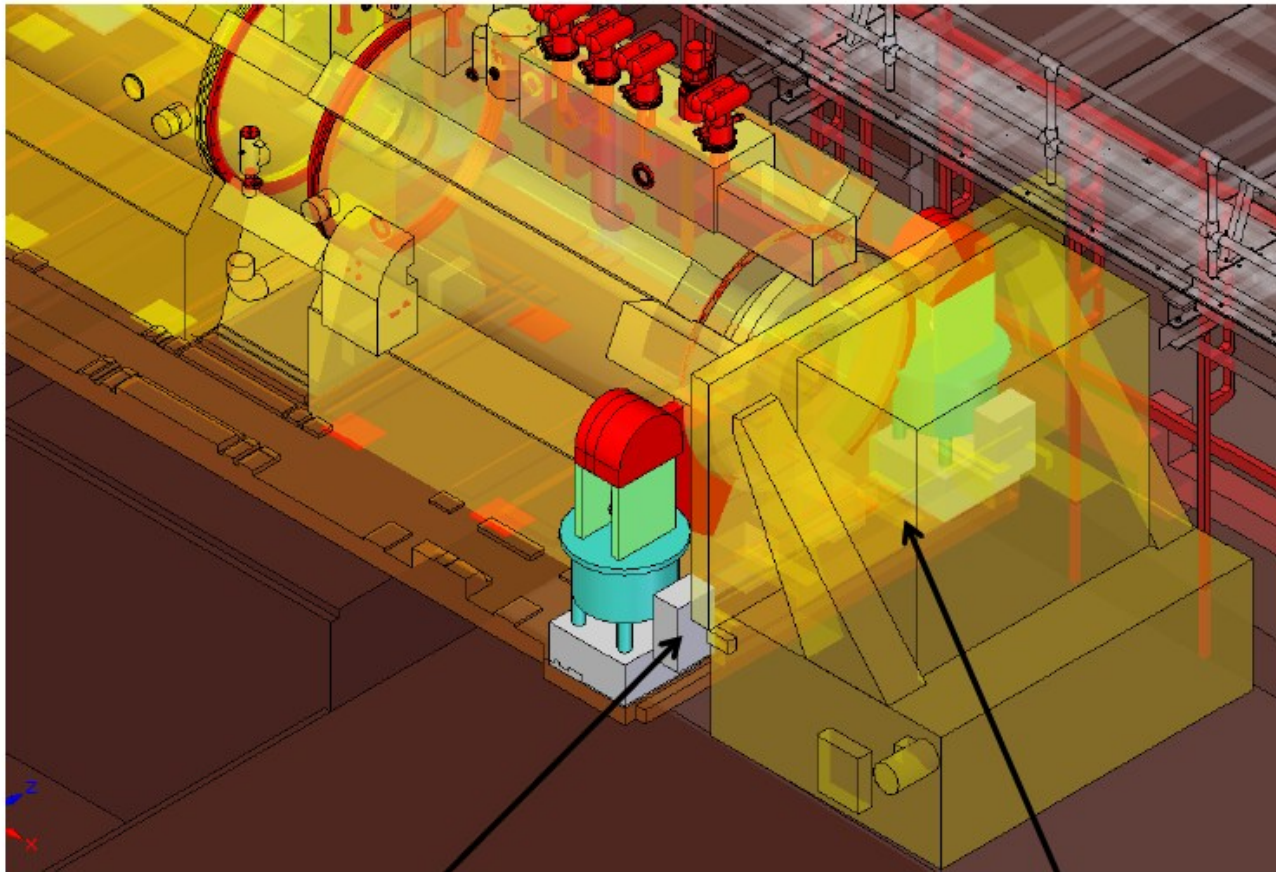
Clash with KL trolley!

Iron shield flooring

Closest mezz leg



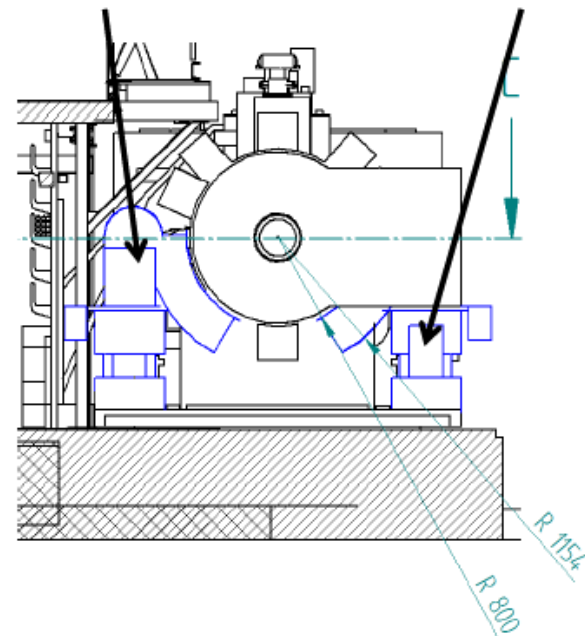
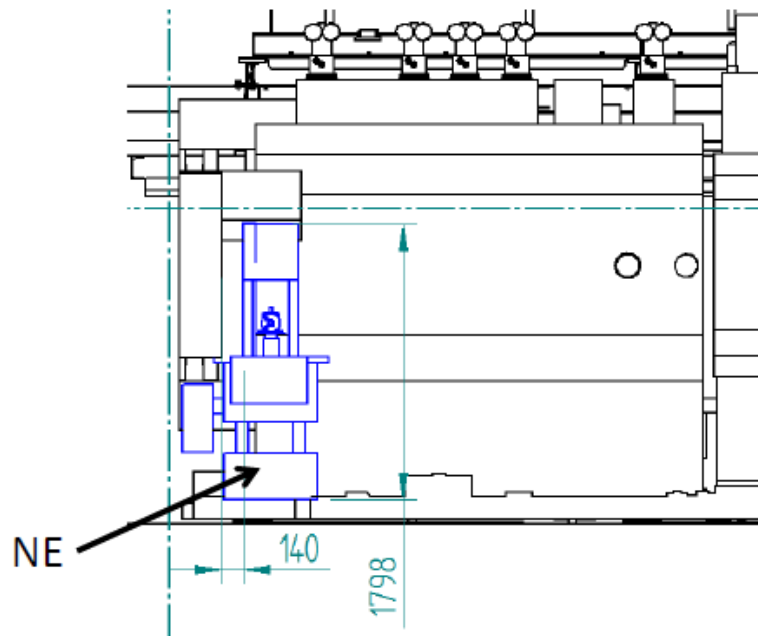
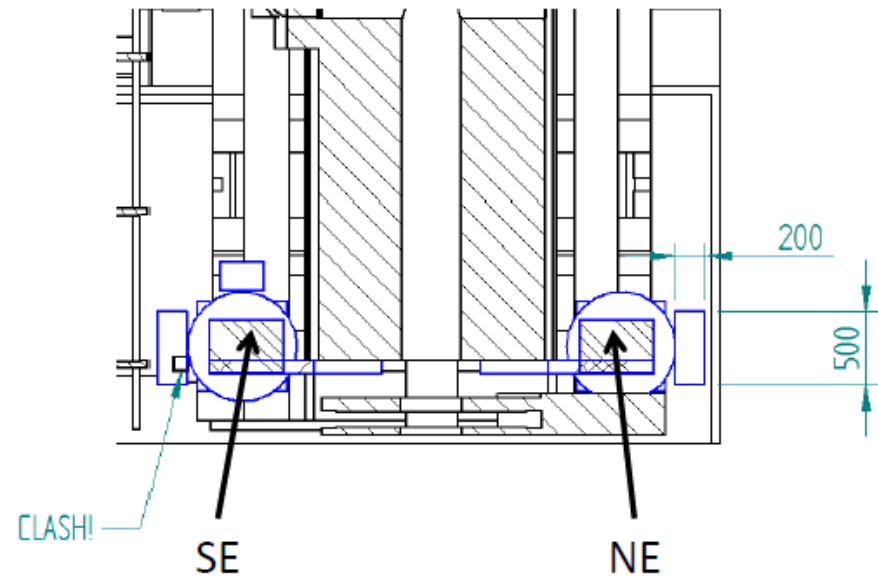
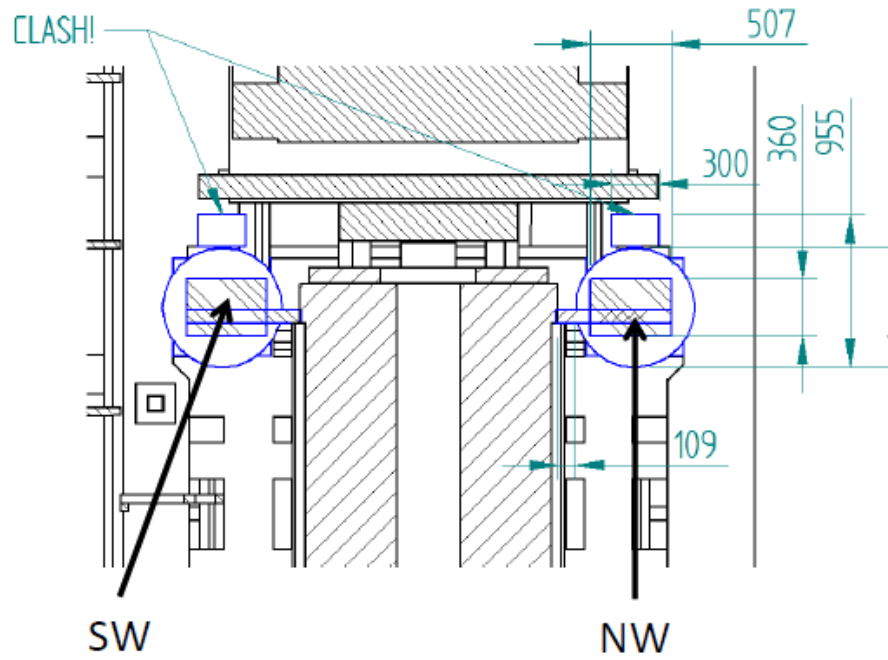
North West Tracker Cryo



**Clash
with KL
trolley!**

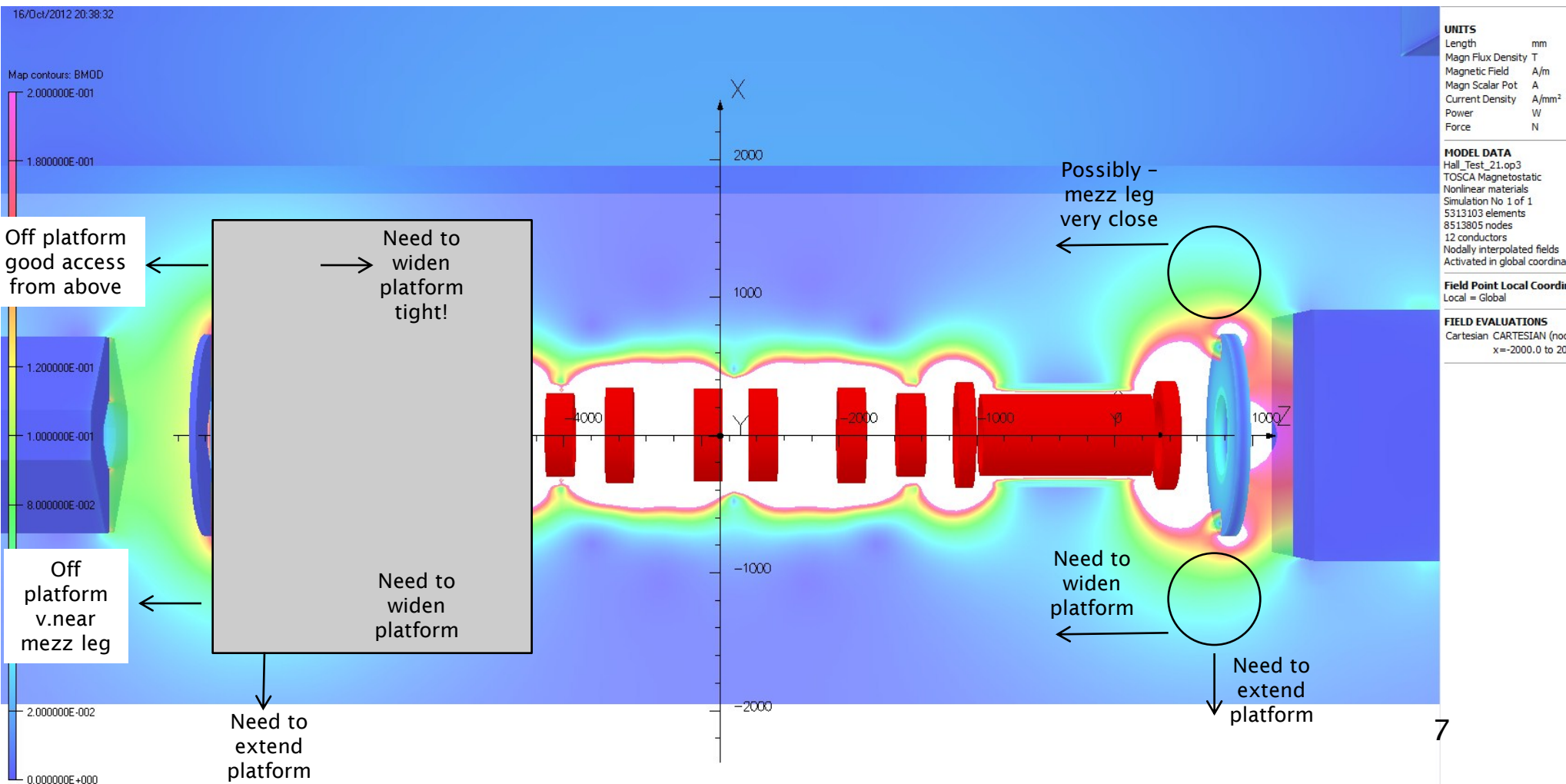
KL, EMR & KL
Trolley

Some Dimensions for Scale Purposes

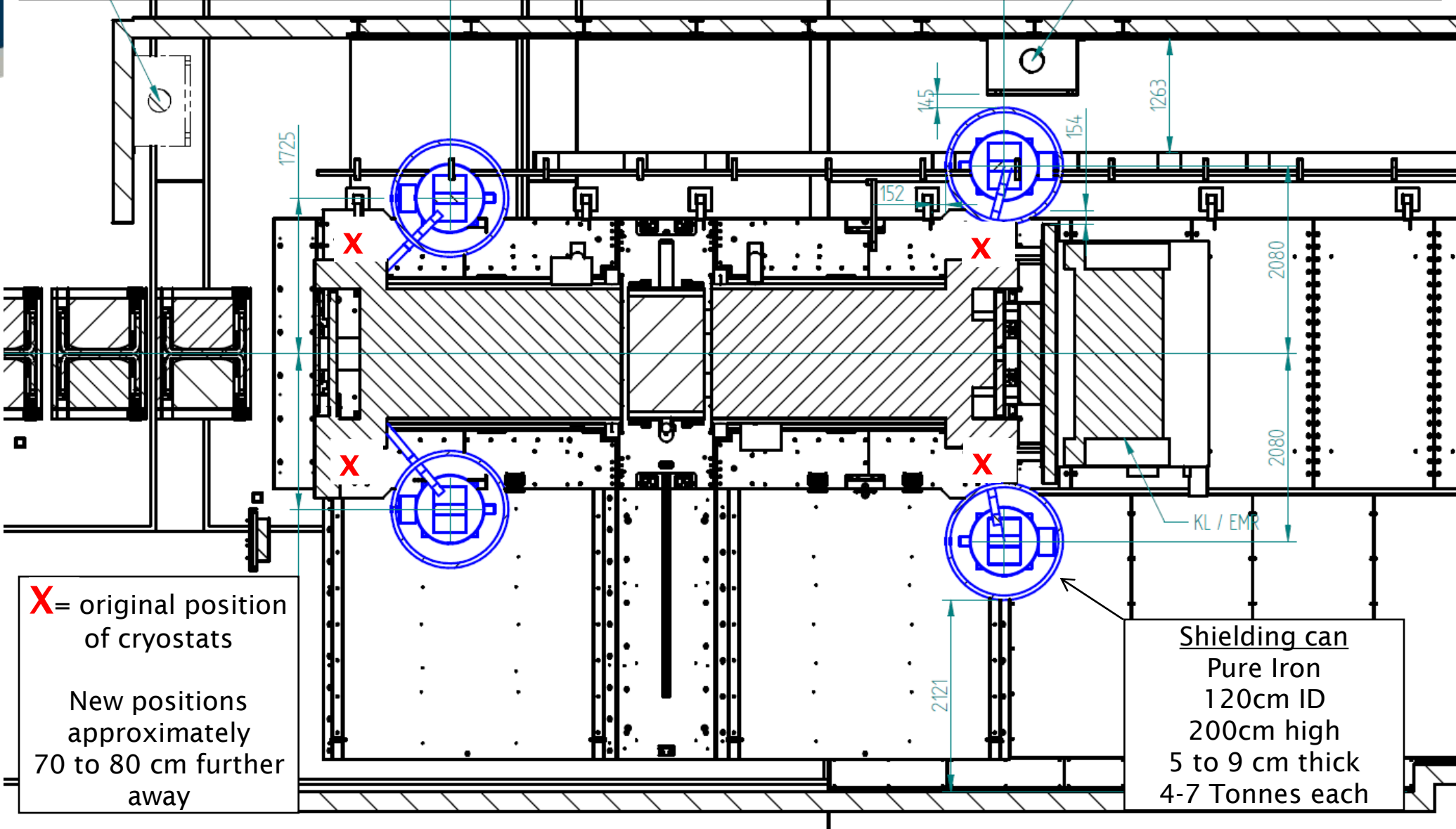


Step4 - Field in AIR at beam height (1.67M)

Movement options available

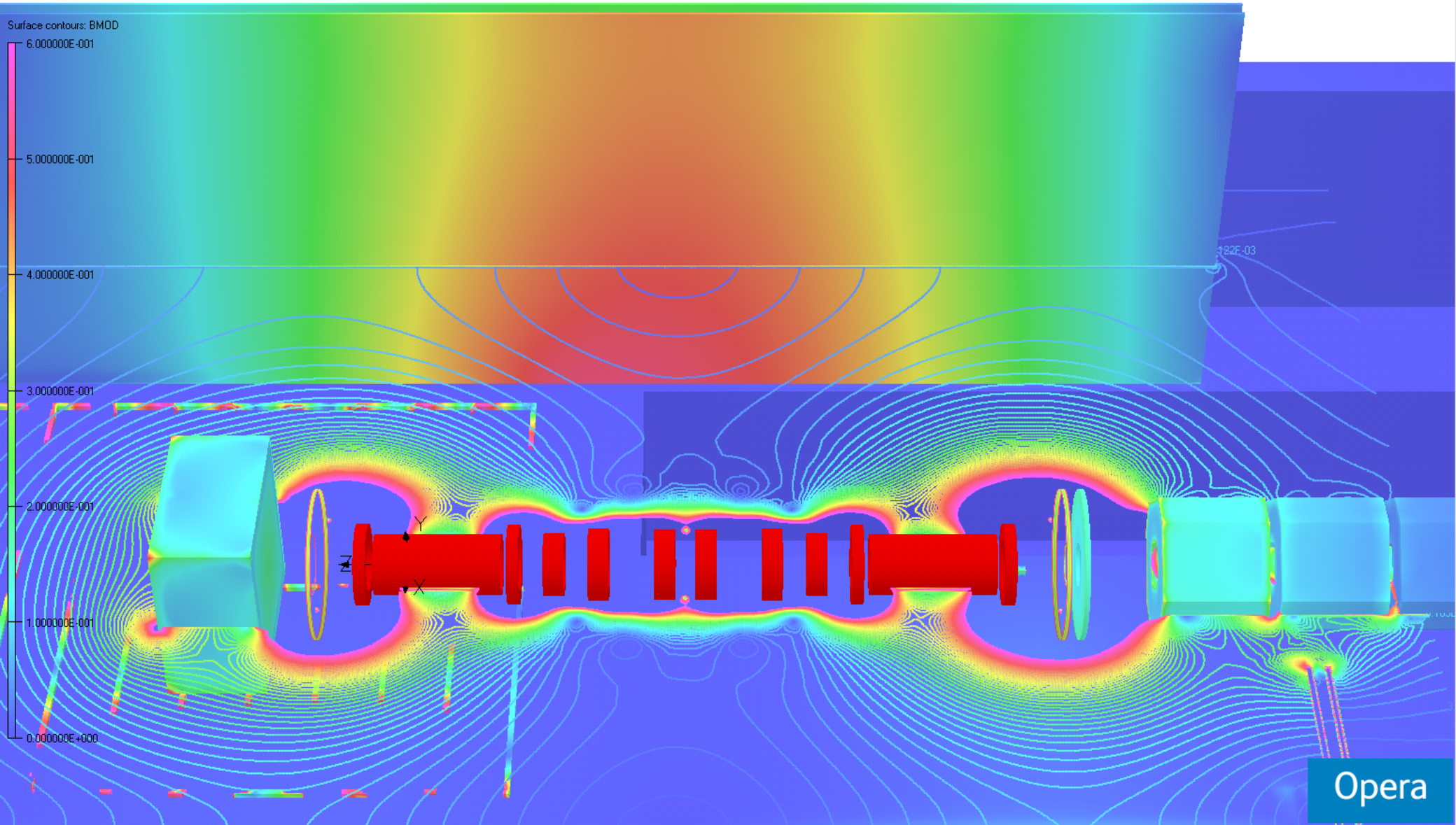


Step4 - Possible position of shielding cans - still lots of problems!



Still lots of problems to solve...

- South cryos under mezzanine, how do we move those in and out
- South cryo positions completely foul Jason's compressor hose distribution
- SW Cryo fouls global vac system routing
- SW Cryo fouls the H2 fill station – to be moved
- They are very heavy. Rolling platform load!

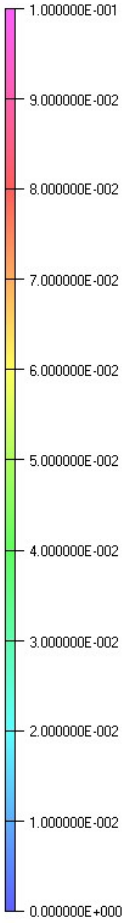


(Looking up to Q9)

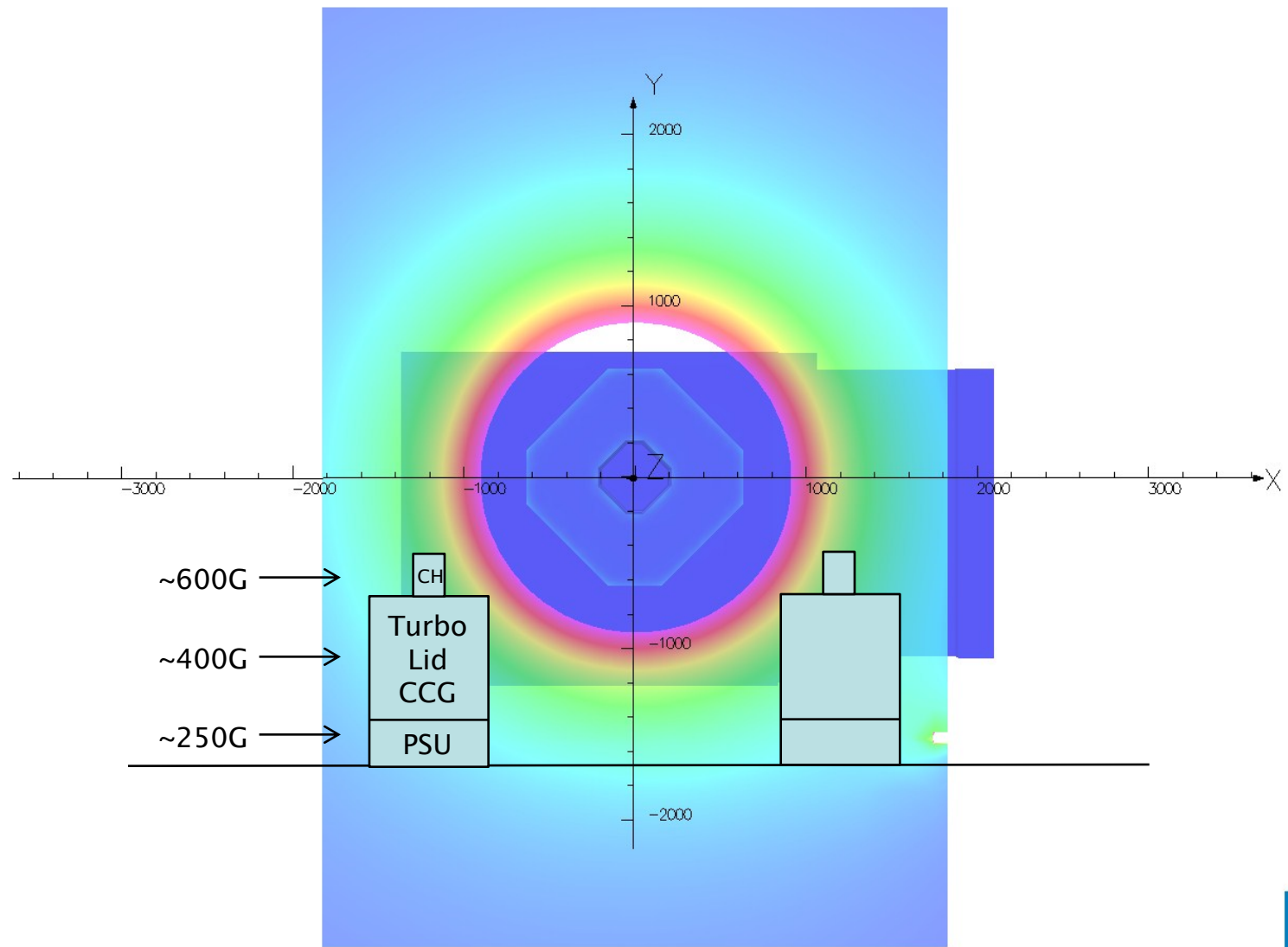
Field in AIR x-sect, upstream cryo $z=-6.25\text{M}$

8/Oct/2012 17:28:50

Map contours: BMOD



Integral = 1.604090E+006



UNITS

Length	mm
Magn Flux Density	T
Magnetic Field	A/m
Magn Scalar Pot	A
Current Density	A/mm ²
Power	W
Force	N

MODEL DATA
 Hell_Test_18.op3
 TOSCA Magnetostatic
 Nonlinear materials
 Simulation No 1 of 1
 4254701 elements
 6742032 nodes
 12 conductors
 Nodally interpolated fields
 Activated in global coordina

Field Point Local Coordi
 Local = Global

FIELD EVALUATIONS
 Cartesian CARTESIAN (noc
 x=-2000.0 to 20