

Nov 8, 2007

IR07 Thursday afternoon Round Table

How to model a magnet – constant distributed body harmonics plus delta function ends?

Include beam-beam in IR correction analysis?

Need to see what beam will show – accelerator & detector – before finalizing (even) Phase-1 design?? How much/when?

What optics for the Phase-1 upgrade? (Eg, for JIRS use when preliminarily evaluating 4 Q3 and/or 4 D1 Nb₃Sn magnets?)

Compact-1? Symmetric? LowBetaMax?

Propose which upgrades and/or tests for installation **ASYNCHRONOUSLY** with respect to Phase-1 & Phase-2?

INTEGRATION

Field quality tables – IN or OUT (Mag/Acc. Physicists)?

Accelerator & detectors, Q0s & D0s

Working groups – Beam Dynamics / LIUWG / JIRS /...

Phase 1 – magnets / collimators / IR7

Nb₃Sn & NbTi

An integrated (buried) quad singlet is more or less interesting than quad doublets?

How to compare Q0 and D0 schemes?

Timeline for full (more complete) analyses of buried magnets & TASses? Asymmetric solutions ok?

ATLAS: JM, JD, end cap, JF?

CMS: Possibility of complete rejection?