

Radiation & Shielding

Steven Lassiter performed a TOSCA calculation for the magnetic field, but beam pipe design was changed recently to have space for sieve slit boxes.

Jin Takahashi performed a FLUKA and GEANT4 simulation based on Steven's TOSCA calculation. Sho Nagao will give a presentation tomorrow.

Beam transport is OK and rate study gave reasonable results.
Shieldings were designed with the simulation.

Boundary dose calculation needs FLUKA calculation based on the new magnetic field with the latest beam pipe design.

Jay Benesch is now working on a new TOSCA model since Steven's model requires old version of TOSCA.

2 months

Pavel Degitiarenko will perform boundary dose calculation once the new TOSCA result is ready.

< 1 month