

The 2mrad Crossing Angle Interaction Region and Extraction Line

Sunday, 12 March 2006 15:00 (15 minutes)

The complete optics design for the 2mrad crossing angle interaction region and extraction line was presented at Snowmass 2005. Since this time, the design task force has been working on developing and improving the layout. The work has focused on optimising the final doublet (including by using higher gradient magnet materials), on reducing the power losses resulting from the disrupted beam transport and on evaluating backgrounds. In this talk, the most recent status of the 2 mrad layout, three new final doublet layouts which use high gradient superconducting materials and the corresponding performance are presented.

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