Interaction Region (IR) Design Beam Pipes etc.



Interaction Region (IR) Design

Table 2: IR geometrical data with 2 (20)mrad crossing angle; numbers in parentheses are those at 20 mrad crossing angle, while the others are common at the both angles.

Standard



B

 \ast : There are two holes with the same radius for incoming and exit beams at the 20mrad crossing angle.



IR Optimization

FCAL inner radius for TPC background hits.

Hole radius of extraction to decrease backscattering.

Radius of beam pipe @VTX

