Quick Update on Tracking Simulations

Taking IR7 absorbers into account

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Effect on the Efficiency

Horizontal Halo – Injection Optics – 450 GeV

About 1 order of magnitude gain in inefficiency

Horizontal Halo – Injection Optics – 450 GeV
Effect on the Efficiency

Horizontal Halo – Collision Optics – 7 TeV

At least a factor 5 gain in inefficiency

Comparison of Inefficiency values - Horizontal Halo, Injection Optics, 450 GeV (1E6 particles)

Horizontal Halo – Collision Optics – 7 TeV
Longitudinal Loss Maps – Without Absorbers

Loss map along the LHC ring - Vertical Halo, Collision Optics, 7 TeV
Longitudinal Loss Maps – Without Absorbers

=> NEED MORE STATISTICS TO COMPARE!!!