

Cross-talk simulations between FCC-hh experimental interaction regions

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Debris from 50 TeV proton-proton collisions at the main interaction point in the FCC-hh may contribute to the background in the subsequent detector. This cross-talk is of possible concern for the FCC-hh due to the high luminosity and energy of the collider. Monte Carlo simulations with FLUKA have been performed using a full length model of the tunnel between the adjacent points A and B, in order to account for the muons which are transported through the rock.

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