

Background particle distributions

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Motivation: understand radial dependence of background hits

Presentation by Francesco on February 12th

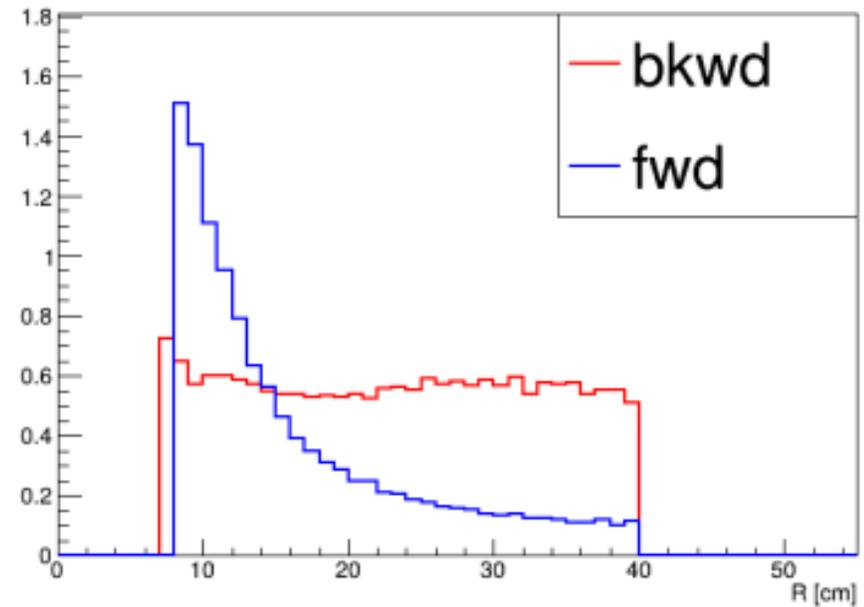
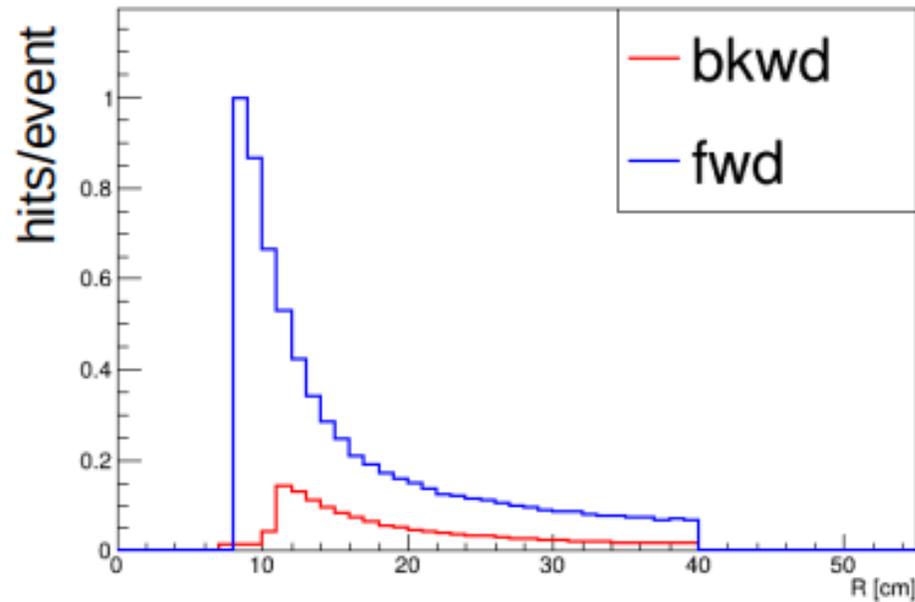
ECT

10x275

Strip area: 40cm x 615 μ m

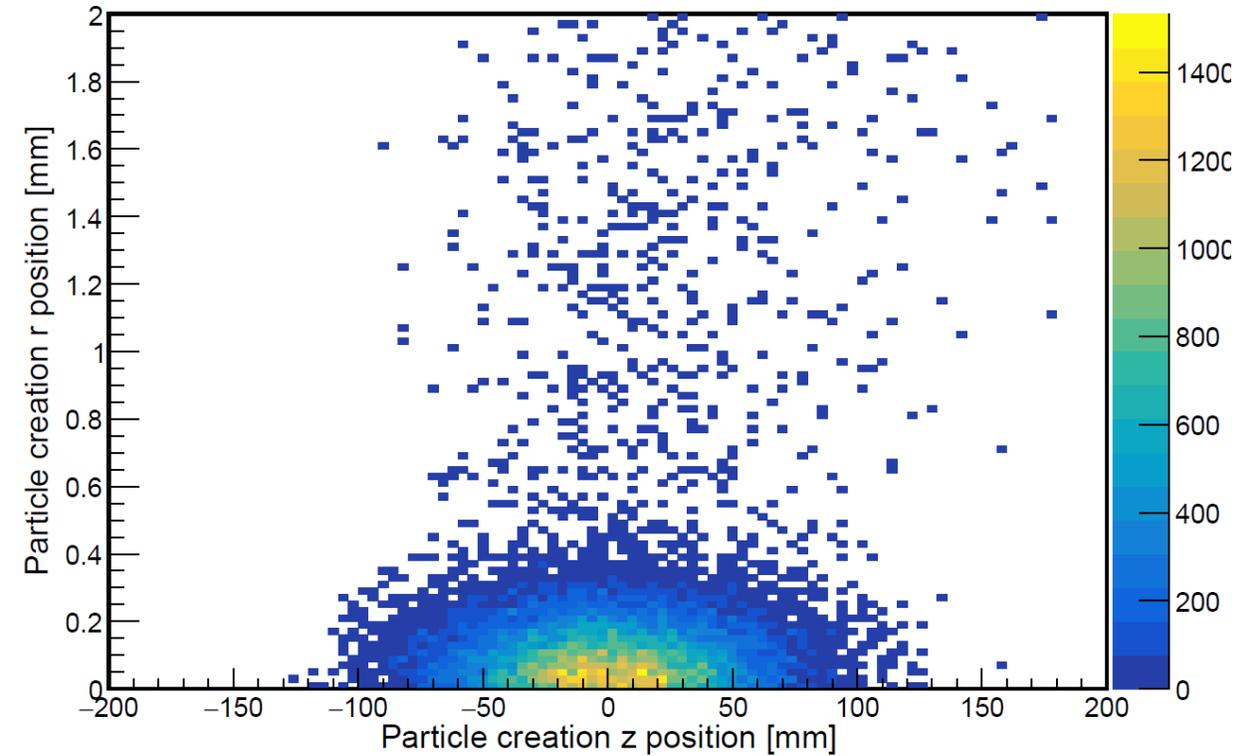
w/o background

w/ background



Origin for particles from DIS collisions: 10x100 GeV setting

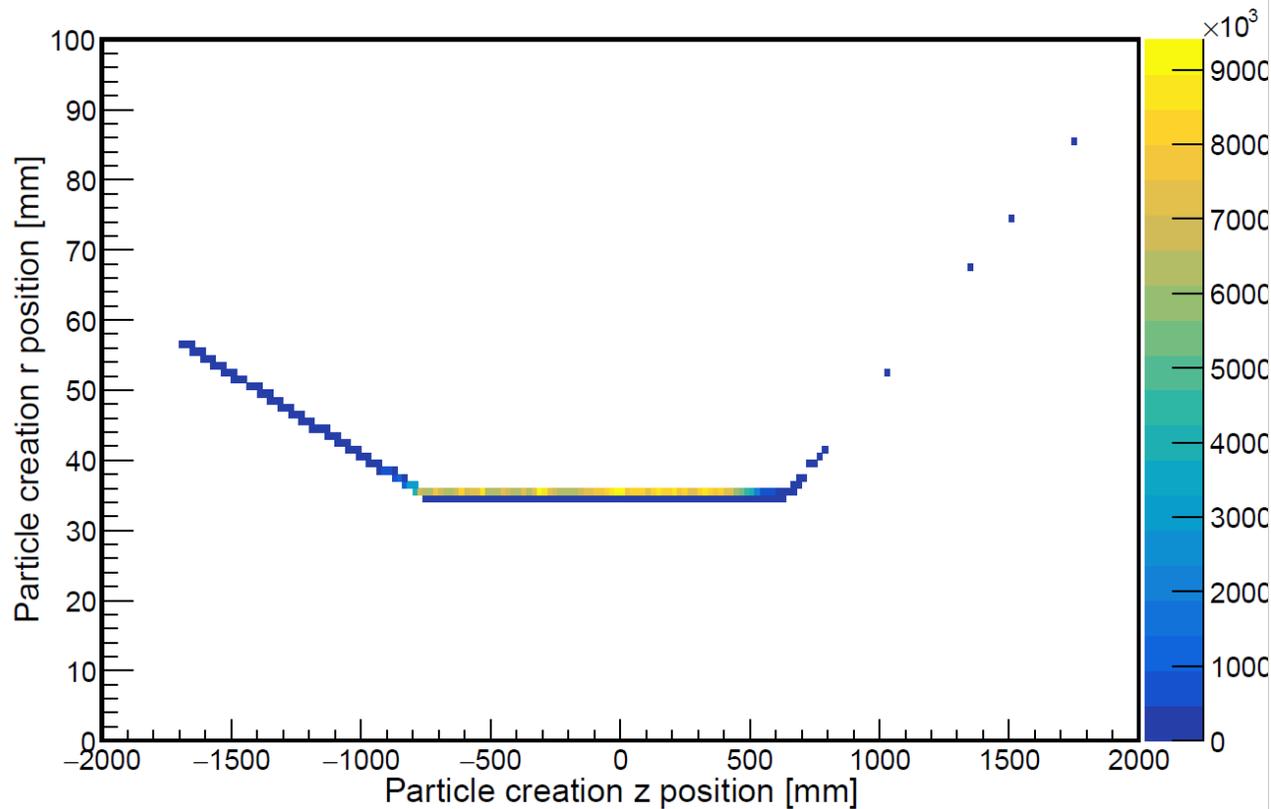
All DIS Signal Particles



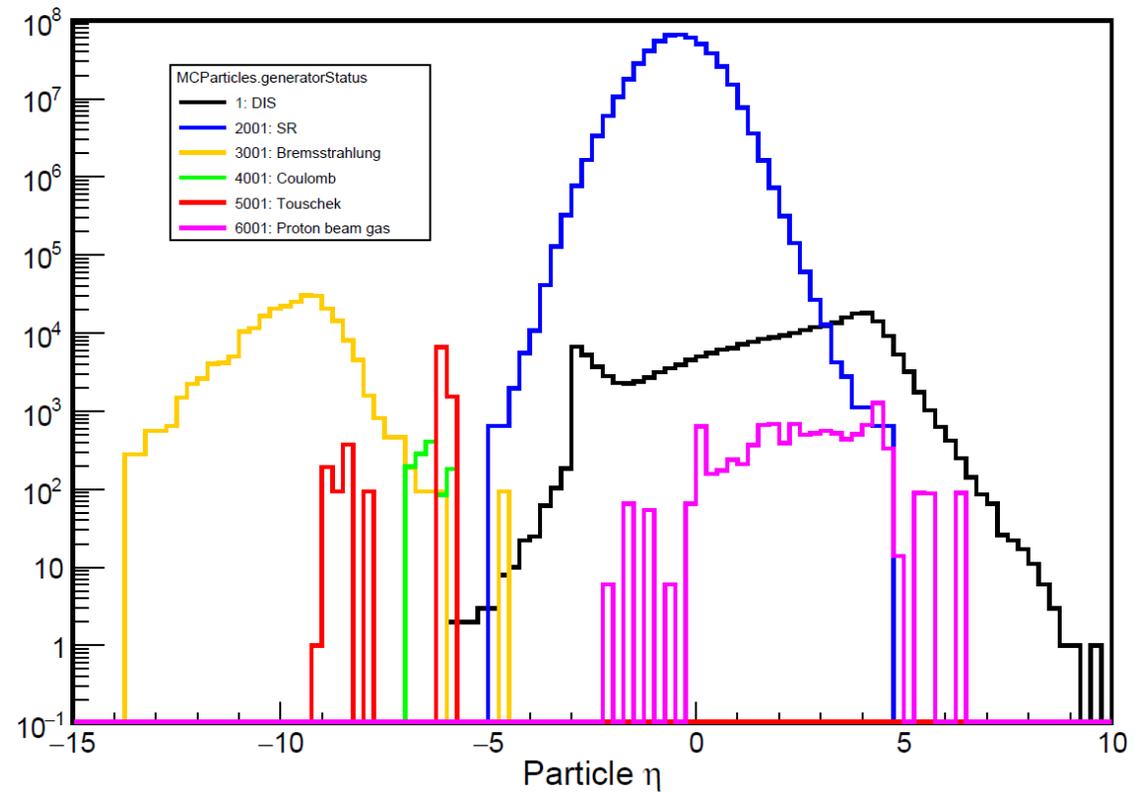
Final-state DIS particles originate primarily from the beam diamond that extends from $-100 \text{ mm} < z < 100 \text{ mm}$, with $r < 0.5 \text{ mm}$.

Origin for SR particles : 10x100 GeV setting

All SR Particles

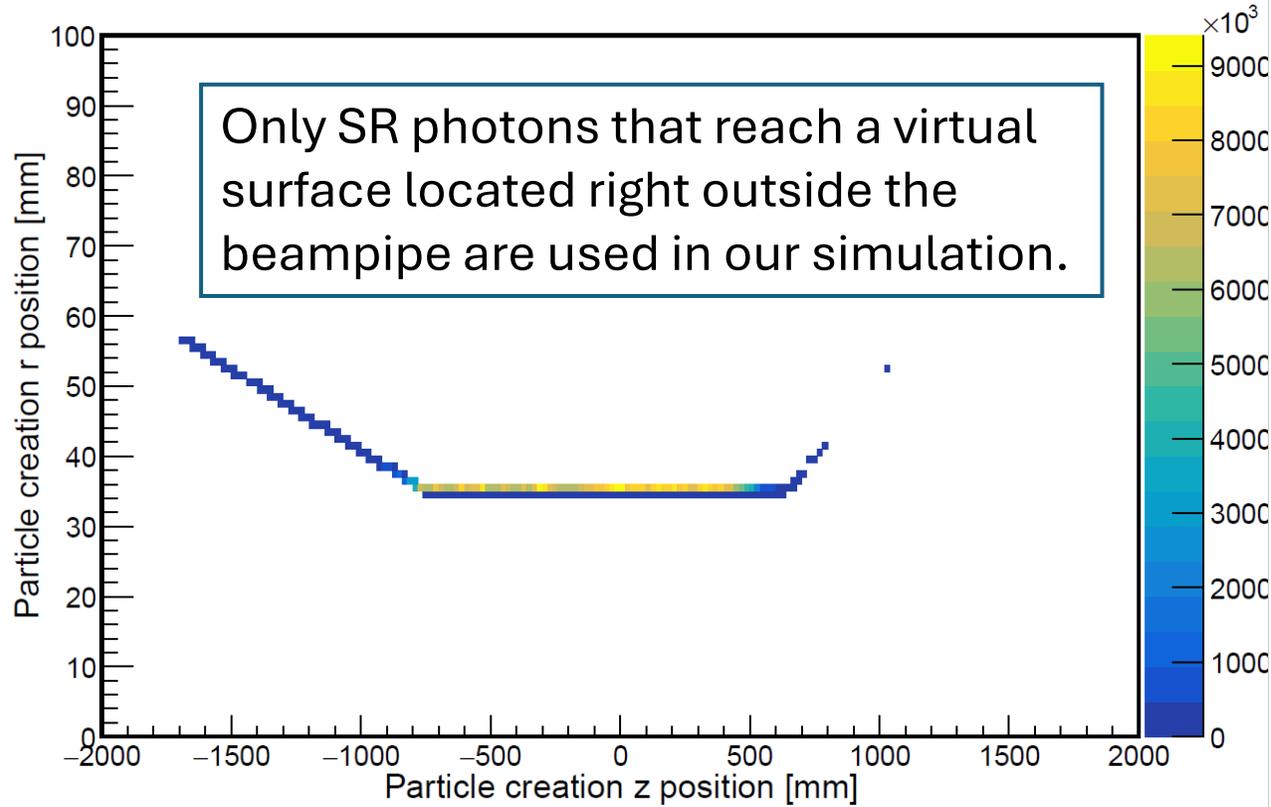


10x100 GeV: Forced DIS Configuration

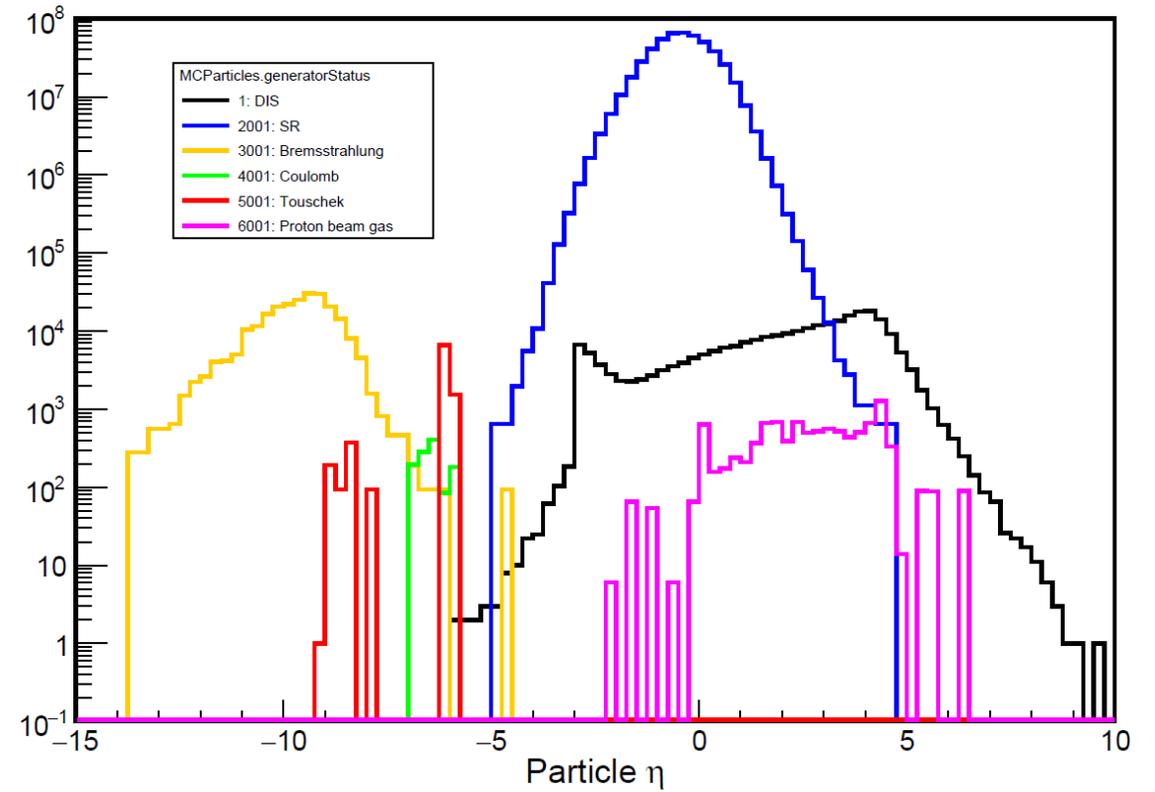


Origin for SR particles : 10x100 GeV setting

All SR Particles

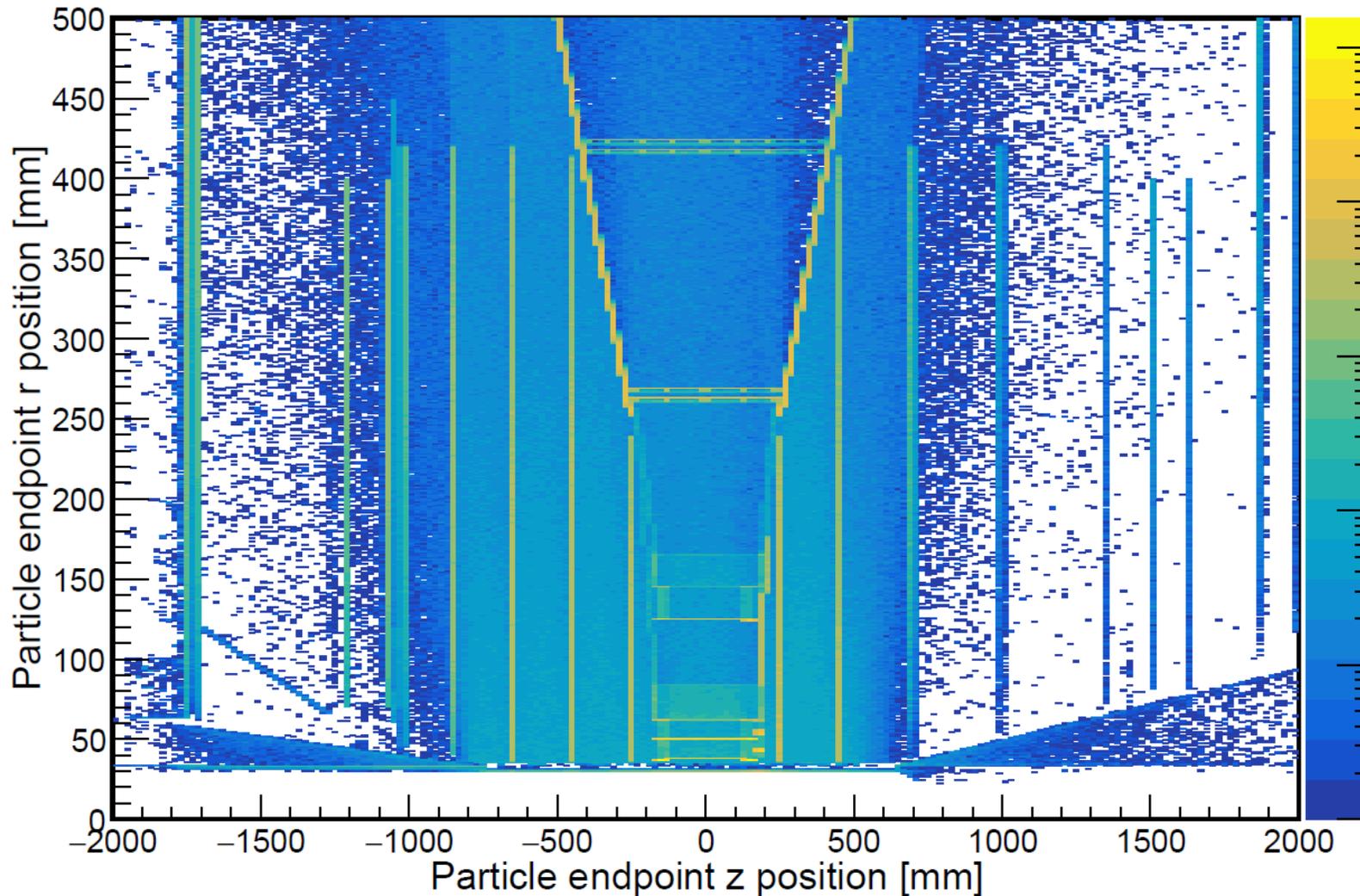


10x100 GeV: Forced DIS Configuration

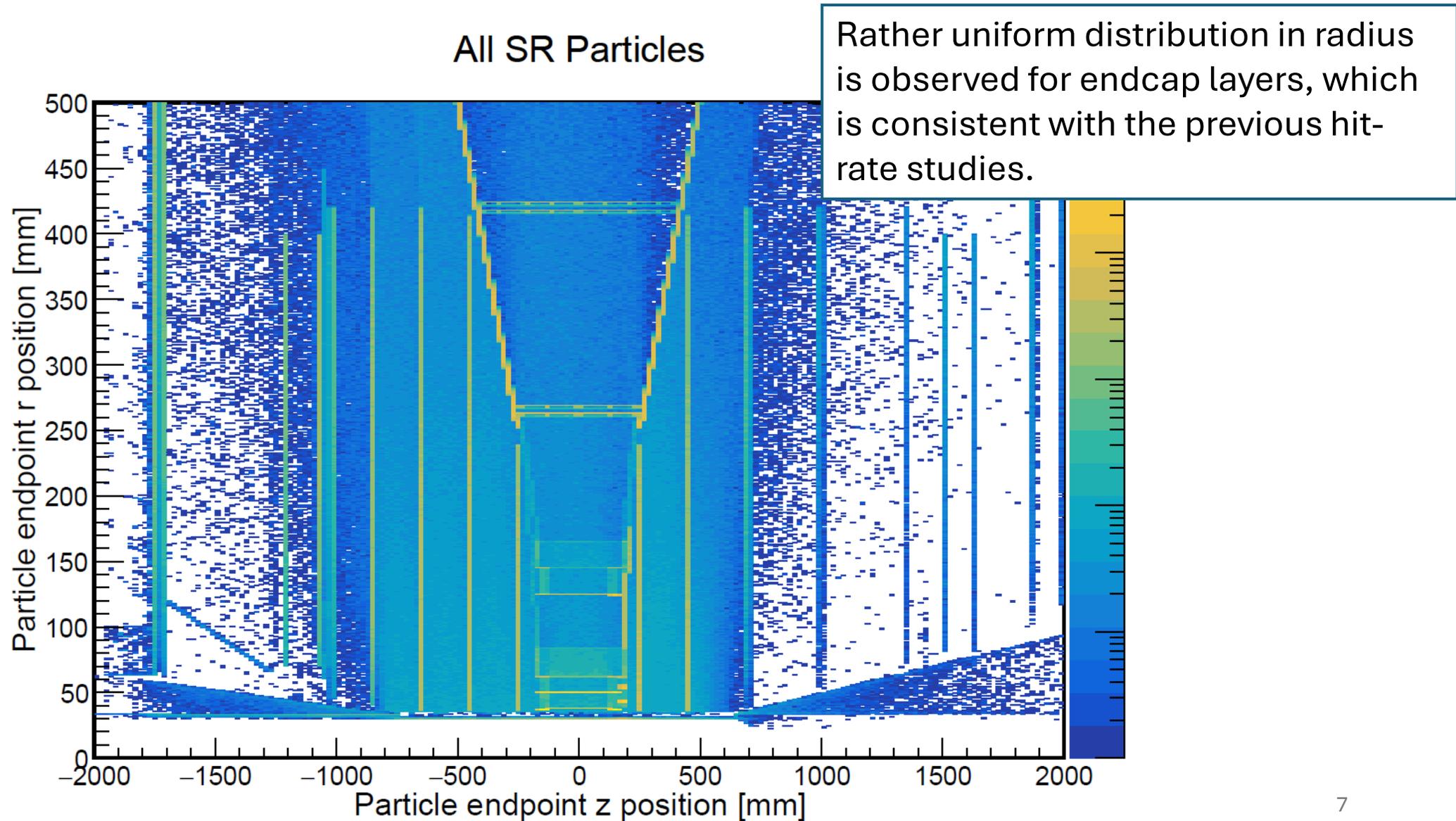


Endpoint for SR particles : 10x100 GeV setting

All SR Particles

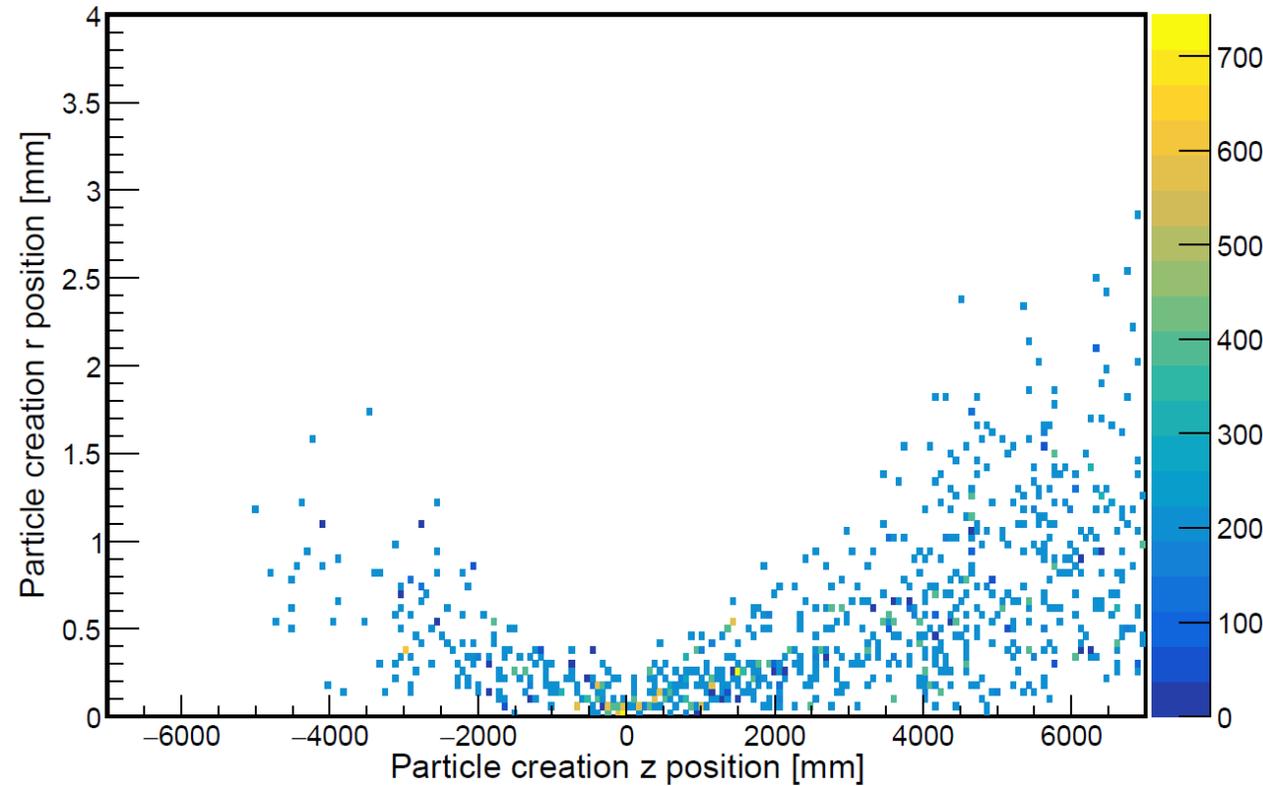


Endpoint for SR particles : 10x100 GeV setting

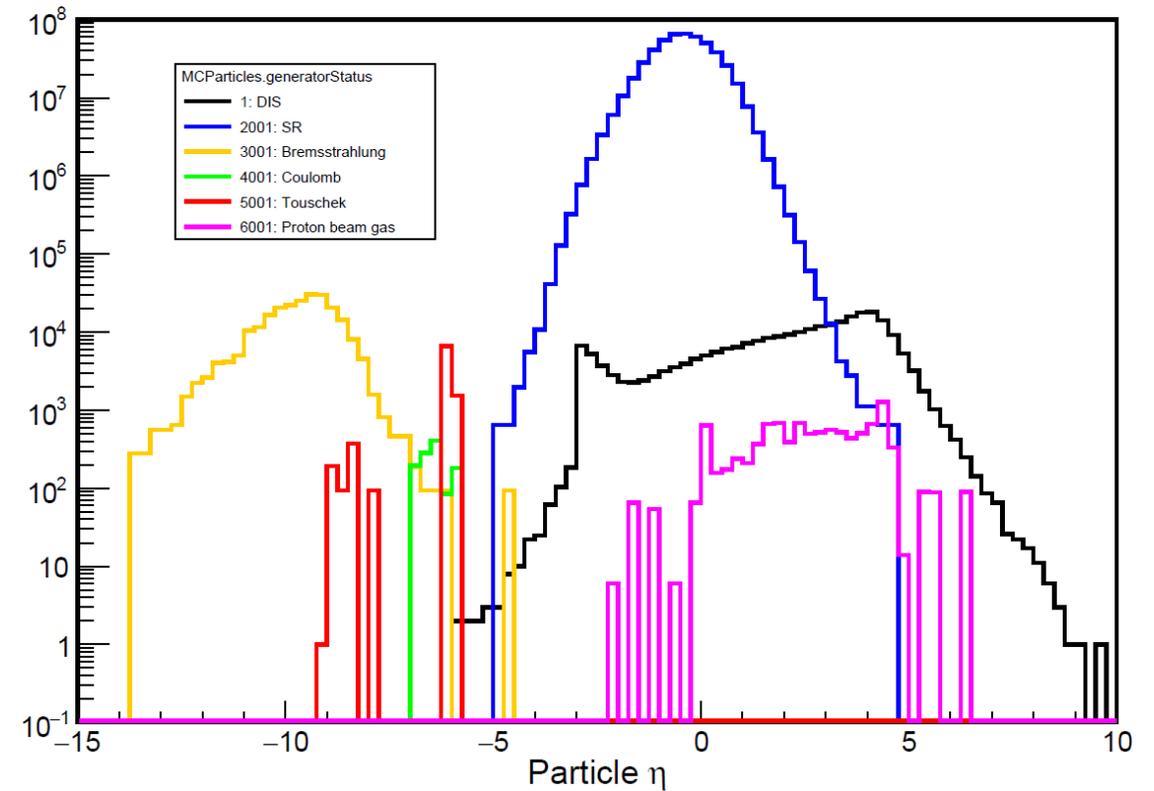


Other backgrounds: origin for Bremsstrahlung particles at 10x100 GeV setting

All Bremsstrahlung Particles

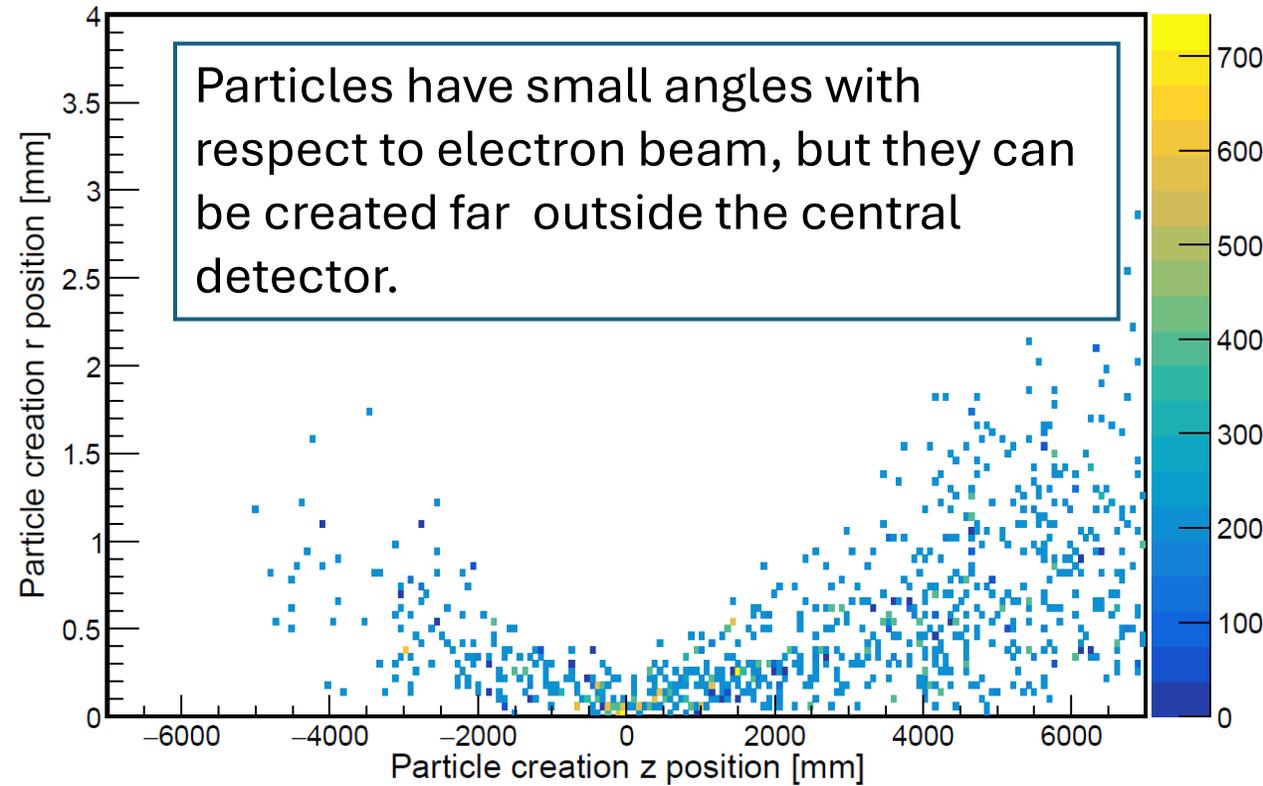


10x100 GeV: Forced DIS Configuration



Other backgrounds: origin for Bremsstrahlung particles at 10x100 GeV setting

All Bremsstrahlung Particles



10x100 GeV: Forced DIS Configuration

