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ATLAS Run 3 charged-particle reconstruction performance in energetic jets

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For Run 3 data taking the track reconstruction algorithm used for the ATLAS Inner Detector has been optimized with a particular focus on minimizing the number of erroneous and low-quality tracks processed by rejecting them as early as possible. This ensures a collection of high-quality tracks to downstream reconstruction and physics, a key aspect in ATLAS. This poster is dedicated to the modeling of track reconstruction in the core of high transverse momentum jets, presenting new measurements of the charged particle reconstruction inefficiency and fake rate inside jets.

In-person participation

Yes

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