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Forward pile-up jet rejection at ATLAS

Rejecting jets originating from pile-up vertices is becoming a more important challenge at the LHC as the rates of pile-up increase. In the central region highly efficient rejection can be achieved using track-based variables but in the forward region this is not possible. This poster will cover ways of rejecting forward pile-up jets using the balance between identified central pile-up jets and those in the forward region. Results achieved using central pile-up jets reconstructed using both calorimeter and particle flow information will be compared. Additionally the inefficiency for real, hard-scatter, jets will be shown.

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