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Performance of E_{miss} reconstruction in first ATLAS data at a centre-of-mass energy of 7 TeV

The performance of the missing transverse energy (E_{miss}) reconstructed with the ATLAS detector is assessed in proton-proton collisions at a centre-of-mass energy of 7 TeV. We report on results in randomly-triggered events, soft proton proton collisions and collisions with jets at high transverse momentum where E_{miss} is expected to be zero. We also expect to be able to report on first E_{miss} measurements in events where a W-boson is produced. Particular attention is given to tails in the E_{miss} distribution and a measurement of the E_{miss} resolution. The performance of the calibration and the individual terms contributing to E_{miss} are discussed.

Primary author: ATLAS COLLABORATION

Presenter: OLARIU, Albert (National Institute of Physics and Nuclear Engineering (IFIN-HH)-)

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