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Erratum: Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV

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Abstract: The energy flow, $dE/d\eta$, is studied at large pseudorapidities in proton-proton collisions at the LHC, for centre-of-mass energies of 0.9 and 7 TeV. The measurements are made using the CMS detector in the pseudorapidity range $3.15 < |\eta| < 4.9$, for both minimum-bias events and events with at least two high-momentum jets. The data are compared to various pp Monte Carlo event generators whose theoretical models and input parameter values are sensitive to the energy-flow measurements. Inclusion of multiple-parton interactions in the Monte Carlo event generators is found to improve the description of the energy-flow measurements.

Keywords: Hadron-Hadron Scattering

Table 1 in the published version of this paper should be replaced by the following corrected one.

Minimum-bias event selection
$N_{\text{charged particles}} > 0$ in $3.9 < \eta < 4.4$ and $-4.4 < \eta < -3.9$
Dijet event selection
$N_{\text{charged particles}} > 0$ in $3.9 < \eta < 4.4$ and $-4.4 < \eta < -3.9$ $\lvert\eta_{jet}\rvert < 2.5$ $\lvert\Delta\phi(\text{jet}_1, \text{jet}_2) - \pi\rvert < 1.0$ $p_{\text{T,jet}} > 8$ GeV ($\sqrt{s} = 0.9$ TeV) $p_{\text{T,jet}} > 20$ GeV ($\sqrt{s} = 7$ TeV)

Table 1. Event selection criteria applied at the stable-particle level in the MC simulation.

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