

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

## Other Journal Item

### Author(s):

CMS Collaboration; Chatrchyan, Serguei; Bäni, Lukas; Bortignon, Pierluigi; Caminada, Daniel; Casal, Bruno; Chanon, Nicolas; Chen, Zhiling; Cittolin, Sergio; Dissertori, Günther; Dittmar, Michael; Eugster, Jürg; Freudenreich, Klaus; Grab, Christoph; Hintz, Wieland; Lecomte, Pierre; Lustermann, Werner; Marchica, Carmelo; Martinez Ruiz del Arbol, Pablo; Milenovic, Predrag; Moortgat, Filip; Nägeli, Christoph; Nef, Pascal; Nessi-Tedaldi, Francesca; Pape, Luc; Pauss, Felicitas; Punz, Thomas; Rizzi, Andrea; Ronga, Frédéric J.; Rossini, Marco; Sala, Leonardo; Sanchez, Ann-Karin; Sawley, Marie-Christine; Stieger, Benjamin; Tauscher, Ludwig; Thea, Alessandro; Theofilatos, Konstantinos; Treille, Daniel; Urscheler, Christina; Wallny, Rainer; Weber, M.; Wehrli, Lukas; Weng, Joanna; et al.

### Publication date:

2012-02

### Permanent link:

<https://doi.org/10.3929/ethz-b-000055868>

### Rights / license:

[Creative Commons Attribution-NonCommercial 4.0 International](#)

### Originally published in:

Journal of High Energy Physics 2012(2), [https://doi.org/10.1007/JHEP02\(2012\)055](https://doi.org/10.1007/JHEP02(2012)055)

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

## The CMS collaboration

*E-mail:* [cms-publication-committee-chair@cern.ch](mailto:cms-publication-committee-chair@cern.ch)

ERRATUM TO: [JHEP11\(2011\)148](#)

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 $-4.4 < \eta < -3.9$
$ \eta_{\text{jet}}  < 2.5$
$ \Delta\phi(\text{jet}_1, \text{jet}_2) - \pi  < 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.