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Very forward energy distributions and jet production observed with CASTOR in CMS

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The distribution of electromagnetic and hadronic energy in the very forward phase-space is measured with the CASTOR calorimeters located at a pseudorapidity of -5.2 to -6.6 in the very forward region of CMS. The energy distributions are very powerful benchmarks to study the performance of MPI in hadronic interactions models at 13TeV collision energy. Furthermore, also the jet-spectra for very low-pt jets in 7 and 13TeV pp collisions are obtained with CASTOR and compared to model predictions.

Primary author: Prof. CMS, Collaboration (CINCO)

Presenter: VAN SPILBEECK, Alex Beaudoin E (Universiteit Antwerpen in Wilrijk, Belgium)

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