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High Energy Physics - Phenomenology

Consequences of the LHC Results in the Interpretation of gamma ray families and Giant EAS Data

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The earliest results of CMS exhibit central pseudo rapidity densities larger than the predictions of the different models. Introducing on this basis new guidelines with larger multiplicities of secondaries in the models implemented in the simulations, we examine the consequences in γ ray families (spikes in rapidity distribution, coplanar emission) and very large EAS (penetration power in the atmosphere)

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