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## On the Use of the Tsallis Distribution at LHC Energies

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The Tsallis distribution has been widely used by the PHENIX, STAR, ATLAS, ALICE, CMS collaborations to fit the transverse momentum distributions of particles produced at RHIC and at the LHC. We consider certain aspects of the Tsallis distribution, in particular

- the validity of  $mT$  scaling,
- the universality of the parameters appearing in the distribution,
- difficulties in obtaining the parameters,
- the energy dependence of the parameters,
- the applicability of the Tsallis distribution to very large values of the transverse momenta.

### **On behalf of collaboration:**

None

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