### **30th International Cosmic Ray Conference**



Contribution ID : 726

Type : Poster

# Multiple Particle Production at LHC Energy

#### Abstract content

We discuss the energy distribution of produced particles in multiple particle production empirically summarizing the available data, obtained by cosmic-ray and accelerator experiments, of charged particles and  $\gamma$ 's at high energies. Based on these data which are expressed by various quantities and by various variables at various rapidity ranges by respective experimental groups, we construct a reasonable empirical formula for the energy distribution of produced particles. We speculate characteristic features of multiple particle production at LHC energy,  $\sqrt{s} = 14$  TeV or  $E_0 = 10^{17}$  eV.

### If this papers is presented for a collaboration, please specify the collaboration

## Summary

### Reference

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Session Classification : Posters 3 + Coffee

Track Classification : HE.3.1