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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 γ '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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