



XXIV QUARK MATTER DARMSTADT 2014

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Nonextensive Quark Recombination Model

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We developed a nonextensive quark recombination model to study the matter created in relativistic heavy ion collisions. We use the temperature, flow velocity and the nonextensive parameter q as our model parameters. To study the collisions energy and centrality dependence of our model parameters, we fit the transverse momentum spectra of different hadrons at RHIC and LHC. Comparison between our model calculations and blast wave model is shown.

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