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# A Unified Model Approach for Rapidity and Transverse Mass Distributions in Ultra-relativistic Nuclear Collisions

## Content :

We have developed a thermal freeze-out model to account for the rapidity distribution of various hadrons produced in the ultra-relativistic collisions. Unlike previous models the present model takes into account the longitudinal as well as the transverse flow. Hence it is capable of producing the rapidity as well as the transverse mass distributions reasonably well for a given set of thermal freeze-out parameters.

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