

QPT 2019

Enshi, China

Contribution ID: 113

Type: not specified

The Effect of Deuteron Production on Chemical Freeze-out parameters

Summary

We present the difference of chemical freeze-out parameters T_{ch} and μ_B between the statistical analysis of hadron yield with or without (anti-)deuteron yield at RHIC. The chemical freeze-out temperature T_{ch} become lower if the fit include the (anti-)deuteron, which might hint (anti-)deuteron and proton freeze-out early than strange hadrons. The producing mechanism of deuteron production will be also discussed.

Primary author: Dr YU, Ning (Xinyang Normal University)

Co-author: Dr LUO, Xiaofeng (Central China Normal University)

Presenter: Dr YU, Ning (Xinyang Normal University)