

Hadron production at RHIC energies towards polarization studies using Therminator.

Wednesday, 16 December 2020 18:00 (0:30)

Content

In this talk we report on a calculation for particle hadronization after heavy ion collisions using both the Siemens-Rassmusen and the Schnederman-Sollfrank-Heinz freeze-out models. We compare the transverse momentum spectra of pions and protons using these models with RHIC data. Furthermore, we use Therminator generator to simulate Au+Au collisions at 200 GeV, and also we compare with RHIC data. We highlight the different freeze-out models and lay the road ahead for future polarization studies using Therminator.

Area of contribution

Simulations

Primary author(s) : Mr. MEDINA SERNA, jose jorge (Universidad Autónoma de Sinaloa)

Presenter(s) : Mr. MEDINA SERNA, jose jorge (Universidad Autónoma de Sinaloa)

Session Classification : Simulations