



Contribution ID: 648

Type: **Poster**

Production of charmonium states by recombination

Tuesday 29 September 2015 16:30 (2 hours)

We investigate the production of charmonia by focusing on their production by recombination in heavy ion collisions. Starting from the discussion on Wigner functions for charmonium states we consider the dependence of charmonia production on their wave functions. We show that wave function distributions of charmonium states in momentum space play significant roles in understanding the transverse momentum distribution of charmonium states, providing a possible way of understanding the recent measurement of the nuclear modification factor ratio between the $\psi(2S)$ and J/ψ meson.

Primary author: CHO, Sungtae (Kangwon National University)

Presenter: CHO, Sungtae (Kangwon National University)

Session Classification: Poster Session

Track Classification: Quarkonia