

Small systems in p-Pb collisions – hadronic resonances

In heavy ion collisions a fireball of hot and dense matter is created. Short lived hadronic resonances are sensitive to the medium properties, in particular to the temperature, density and system size. Resonance yields and momentum distributions are used to gain insight into the hadronic phase and its expansion velocity and time duration.

I will discuss the multiplicity dependent hadronic resonance production in p-Pb collisions and link it to the discussion of a possible extended hadronic and partonic phase in high multiplicity p-Pb collisions.

I will compare the results to EPOS+UrQMD model calculations to discuss the multiplicity dependent interactions of the medium.

I intend to submit my contribution for the proceedings

Yes

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