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Strange Baryonic Resonances

Thursday 11 September 2014 14:00 (30 minutes)

The study of Baryonic resonances with strangeness content
produced in hadron-hadron collisions is important
not only to understand the production mechanisms and the
structure of the various resonates, but also as fundamental
input for the modelling and understanding of heavy ion collisions.
New analysis techniques have been employes by the HADES collaboration
to study quantitatively the production of Sigma(1385), Lambda(1405),
N*(1650-1950), Delta++(1900) emerging from p+p collisions measured
at 3.5 GeV. In this talk the results of these measurements will be discussed
with particular emphasis on the Partial wave analysis carried out
to study the pKLambda final state and the possible existence of kaonic
bound states and the intriguing nature of the Lambda(1405).
Perspective for the upcoming measurement at FAIR and NICA will also be
discussed.

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