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V0 Reconstruction in Au+Au-Collisions at 1.23 AGeV with HADES

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In heavy ion collisions at beam energies of 1-2 AGeV, strangeness production can be observed below its elementary production threshold. In April and May 2012, 7.3 billion Au(1.23 GeV per nucleon)+Au collisions have been recorded by the HADES detector, installed at the Helmholtzzentrum fuer Schwerionenforschung (GSI) in Darmstadt, Germany. In this collision system the weakly decaying strange hadrons K_0^* and Λ were measured and can be reconstructed. In order to draw conclusions on strangeness production mechanisms in heavy ion collisions the yields can be compared to non-strange particle production, i.e. charged pions.

In this contribution preliminary particle spectra of Λ hyperons and K_0^* mesons measured in these collisions are presented.

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