



ŚRODOWISKOWE SEMINARIUM FIZYKI WYSOKICH ENERGII „BIAŁASÓWKA”

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Prof. Piotr Salabura

„Studying baryonic matter with HADES experiment at GSI/FAIR”

Abstract:

HADES experiment at GSI is a versatile detector operating with a few GeV proton, pion and heavy ion beams. The experimental programme is focused on studies of dense baryonic matter created in heavy ion collisions probing QCD matter at relatively low temperatures ($T \sim 70$ MeV) and high chemical potential. Various observables like electromagnetic emissivity, particle correlations, flow and strangeness production have been measured. Important part of programme are reference measurements of baryon electromagnetic decays performed with proton and pion beams. The results will be illustrated by some selected highlights.

Zapraszamy wszystkich zainteresowanych!