

Low-energy kaon-nucleon/nuclei studies at DAFNE: SIDDHARTA-2 and AMADEUS

Thursday 6 February 2020 11:00 (30 minutes)

The experimental low-energy kaon-nucleon/nuclei interaction studies are playing a key-role for the understanding of the low-energy QCD, impacting in particle and nuclear physics as well as in astrophysics.

The excellent quality of the kaon beam delivered by the DAFNE collider in Frascati (Italy), combined with a new dedicated technology of Silicon Drift Detectors as well as the high acceptance charged and neutral particles KLOE detector, allow to perform unprecedented measurements in the low-energy strangeness sector in the framework, respectively, of SIDDHARTA-2 and AMADEUS Collaborations.

The contribution will give an overview of the new SIDDHARTA-2 setup recently installed on DAFNE showing the preliminary results achieved up to now and future plans. Lastly, the main results of AMADEUS will be shown.

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