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MPD prospects for the study of hadron and (hyper)nuclei production at NICA energies

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MPD prospects for the study of hadron and (hyper)nuclei production at NICA energies

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The MultiPurpose Detector (MPD) [1] is constructed to study strongly interacting matter at the NICA accelerator complex [2]. In this report, we present the main NICA physics goals and the concept of the MPD detector with an emphasis to the detector performance for the measurements of hadron observables (yields and ratios) as well as reconstruction of (hyper)nuclei.

1. Ch. U. Abraamyan et al. (MPD Collab.), Nucl. Instrum. Methods Phys. Res., Sect. A 628, 99 (2011)
2. V. Kekelidze, R. Lednicky, V. Matveev, et al., Eur. Phys. J. A 52, 211 (2016)

The speaker is a student or young scientist

Yes

Section

1. Intermediate and high energies, heavy ion collisions

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Session Classification: Intermediate and high energies, heavy ion collisions