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MPD prospects for the study of the strangeness production and strangeness-to-entropy ratio at NICA energies

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I will present the recent results of the feasibility study for the strangeness production and strangeness-to-entropy ratio with the MPD detector at NICA. Transverse momentum spectra and rapidity distributions for charged kaons, pions, and Lambda hyperons were reconstructed in central Au+Au interactions at several collision energies. The prospects of the study of the excitation function of the strangeness-to-entropy ratio at NICA energies will be discussed.

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