

Performance of invariant mass fit method for global polarisation measurements of lambda hyperons in the MPD experiment

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Global hyperon polarization is an important observable for studying the properties of the strongly interacting matter produced in relativistic heavy ion collisions. It is emerging due to the presence of initial angular momentum in non-central heavy-ion collisions and is growing with decreasing energy. Detailed study of global hyperon polarization at NICA energies is an important goal of the MPD experiment. In this work we applying the invariant mass fit method for global polarization of lambda hyperons measurements at the MPD experiment.

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