Contribution ID: **23** Type: **not specified**

The prospects on hadronic polarimetry at eRHIC

Thursday, 26 September 2019 16:20 (20 minutes)

In the eRHIC high-luminosity collider proposal the number of ion bunches will be increased and the bunch spacing will be reduced from current 107 ns (RHIC) to 34.8 ns at the first stage and finally to 8.7 ns. This beam timing structure will be a challenge for the elastic events identification in the RHIC CNI (Coulomb Nuclear Interference) polarimeters and an essential upgrade of the polarimeters is required. It this paper, we will discuss possible solutions of this problem.

Summary

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Session Classification: EIC

Track Classification: Polarimetry