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GEM residuals corrections in Monte-Carlo simulation for the Run6 at the BM@N experiment

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BM@N (Baryonic Matter at Nuclotron) is the first experiment with a fixed target at the NICA Facility at JINR (Dubna). It is designed to study nuclear-nuclear collisions at high densities. Nuclotron provides heavy ion beams with energies ranging from 2.3 GeV to 4.5 GeV, which is suitable for studying strange mesons and multi-strange hyperons close to the kinematic threshold.

In the talk the procedure of the residual corrections of simulated Monte-Carlo (MC) events will be presented.

It is one of the intermediate stages of the BM@N experiment data analysis. These corrections allow to improve the accuracy of the track reconstruction procedure in Monte-Carlo simulation and physics data.

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