

The 3rd KMI School Machine Learning in Particle and Astrophysics

Contribution ID : 20

Breakout room #3: Track Reconstruction System in g-2/EDM Experiment at J-PARC

Tuesday 17 Nov 2020 at 14:20 (01h40')

Content :

The J-PARC muon g-2/EDM experiment is under development with a new approach. Compared to the previous experiment, this experiment will use lower emittance muon beam with a smaller storage ring. The 300 MeV/c muon will be injected into the 3 T MRI-type solenoid storage magnet. Tracking detector will measure the momentum of decay positrons with time in the storage magnet. We discuss our track reconstruction system for positron track.

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