Beam dynamics in the Muon (g-2) experiment

VLADIMIR TISHCHENKO, Brookhaven Natl Lab, MUON G-2 COLLABORATION — Major systematic uncertainties in the Muon (g – 2) experiment are related to beam dynamics in the muon storage ring. In this talk, we give an overview of the beam dynamics in the storage ring, describe major beam-dynamics-related systematic uncertainties, and present preliminary results of our measurements of characteristics of the muon beam.