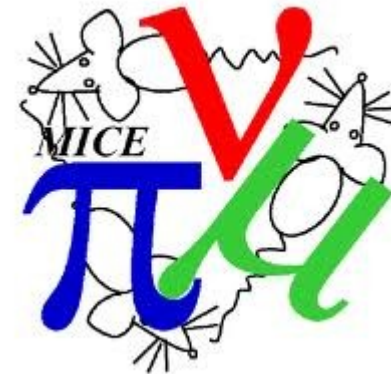
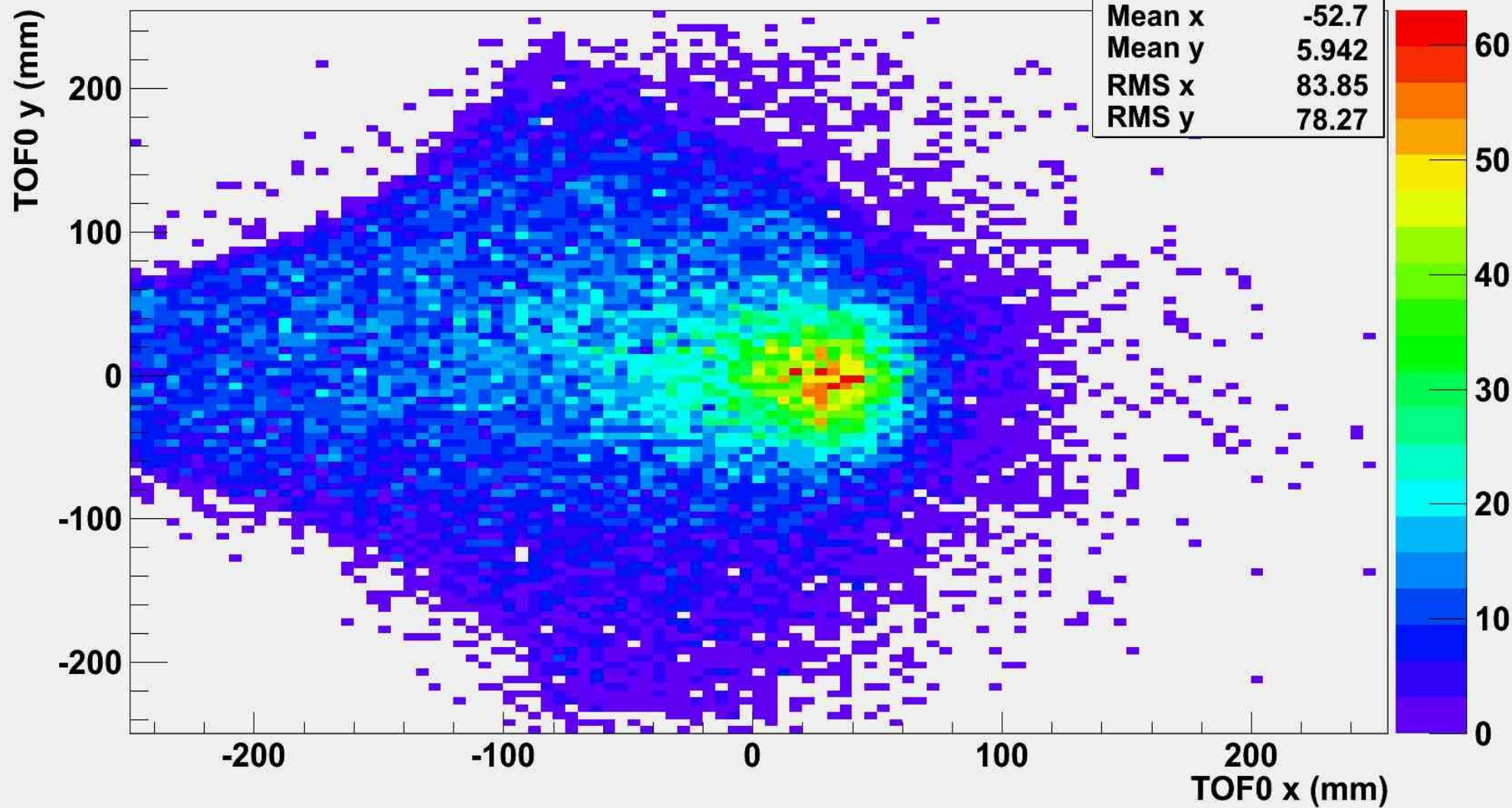


# Asymmetries in MICE Stage I Beamline

John Nugent



TOF0 y vs. x



- CM34 – Tour of the MICE Step 1 Emittance Paper
- Profile of transverse distributions measured at TOF0 & TOF1 “pointy” in data
- Profile symmetric in G4BL simulations
- Developed new G4BL simulation of MICE stage I from MuonInc MICE stage VI example
- Simulation is in 240 MeV, 6 pi configuration
- Placement of objects along beamline follows Table 3, arXiv:1203.4089v2
- Current model uses “default currents”
- Simulation using exact beam currents from stage I emittance paper to follow
- Simulation shows shadow of a quadrupole