

# “mcc12” energy loss validation

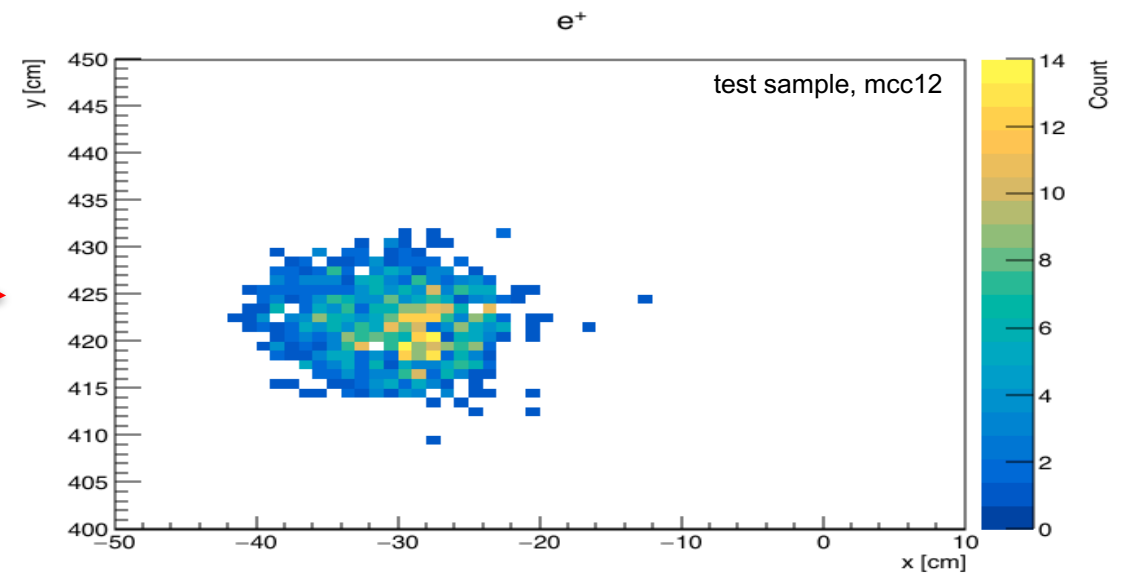
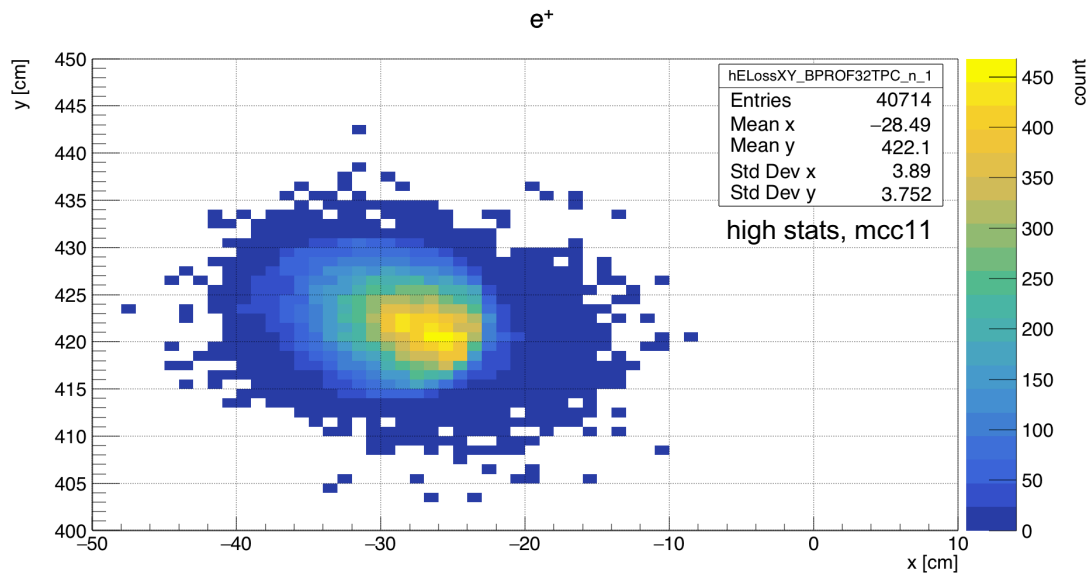
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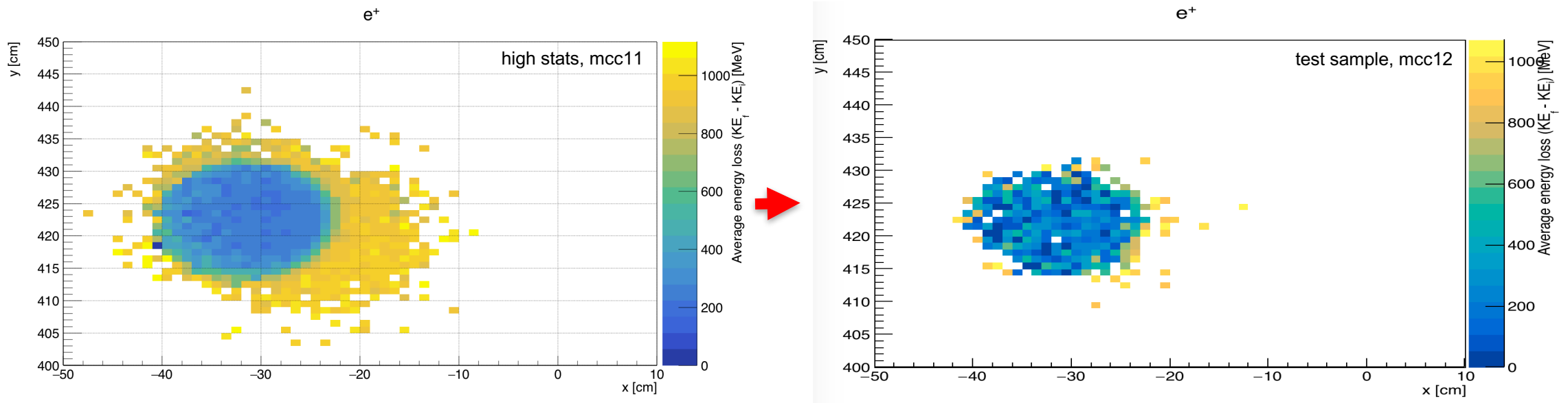


# Beam spot (e<sup>+</sup>) propagated to the TPC face



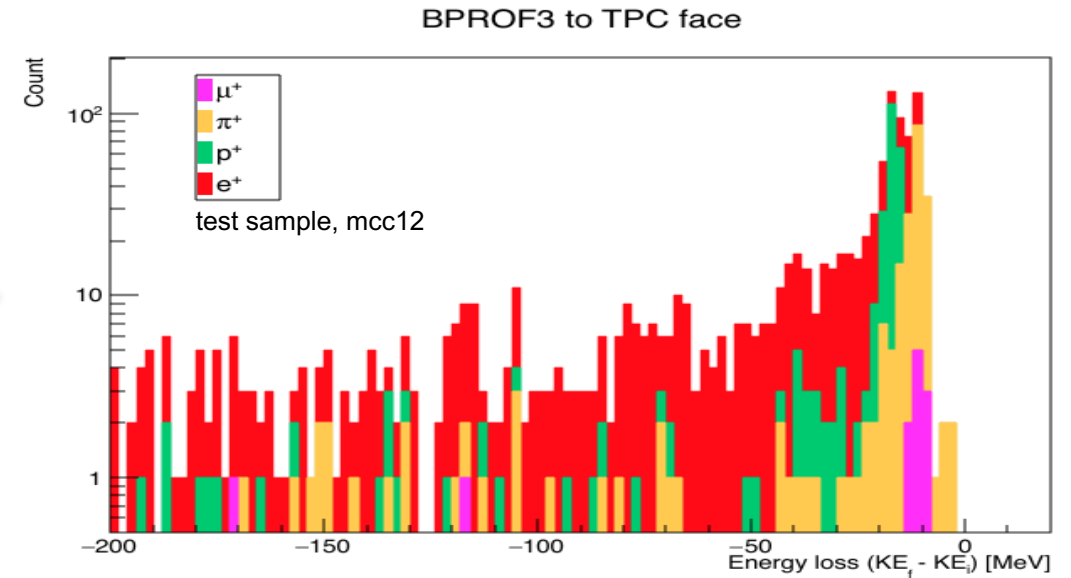
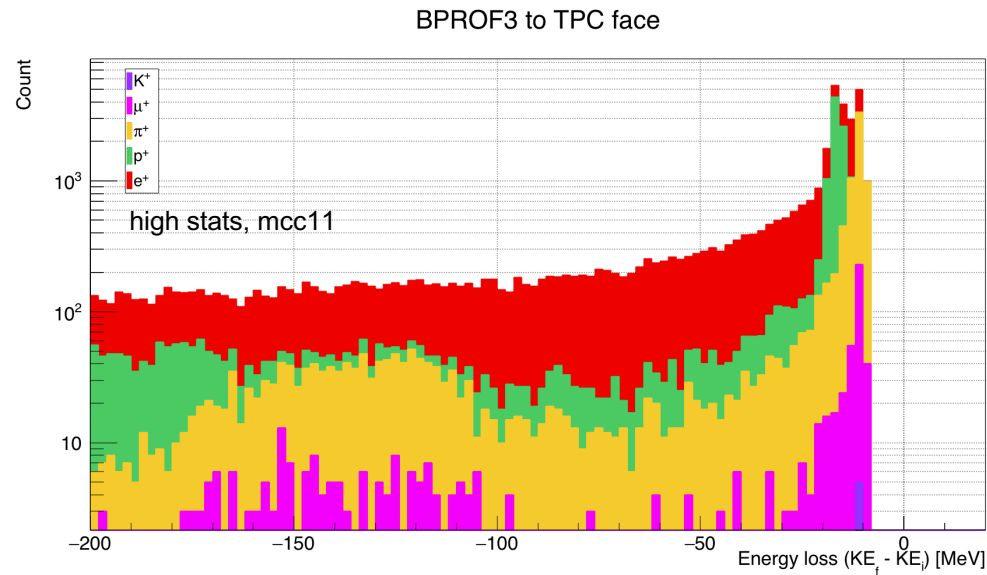
Beam spot still appears to be asymmetric around beamplug

# Average energy loss of particles ( $e^+$ ) propagated to the TPC face (BPROF3 to TPC)



Still a handful of particles skimming beam plug

# Energy loss dist. across species



No obvious bump at 100-150MeV

-> Stats are low, so we could be missing something