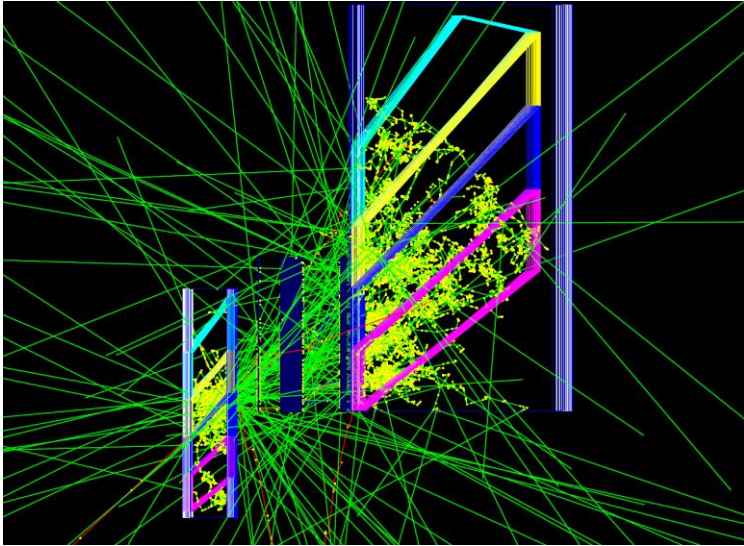


HCal Prototype III Simulation (Cryostat study)

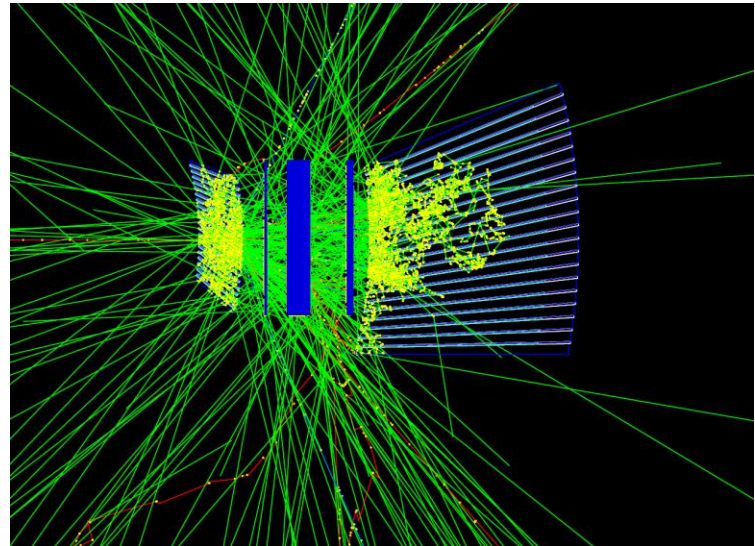
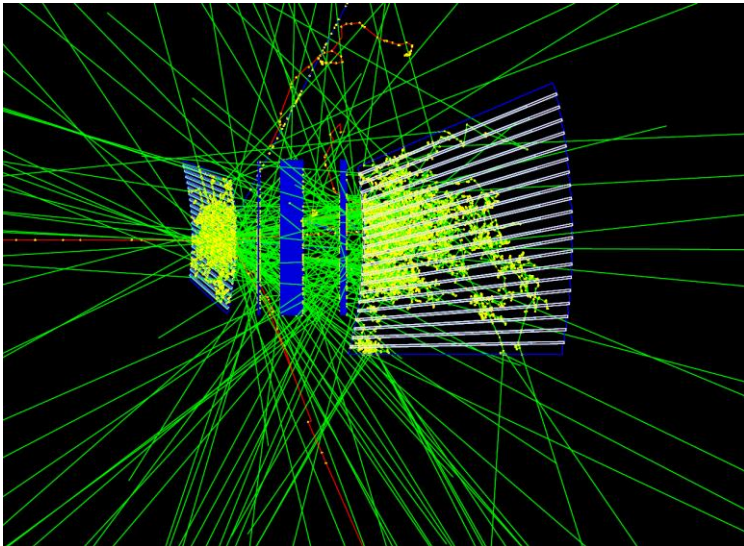
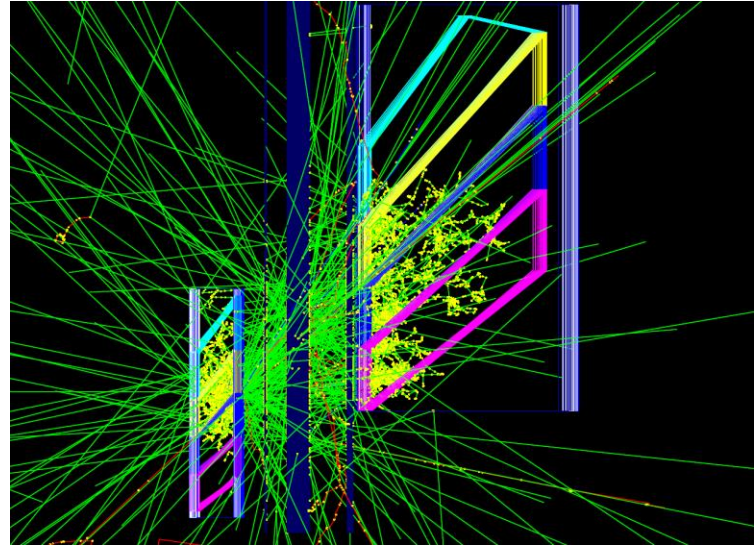
Murad Sarsour
Georgia State University

Prototype Geometry

Prototype-2 cryostat

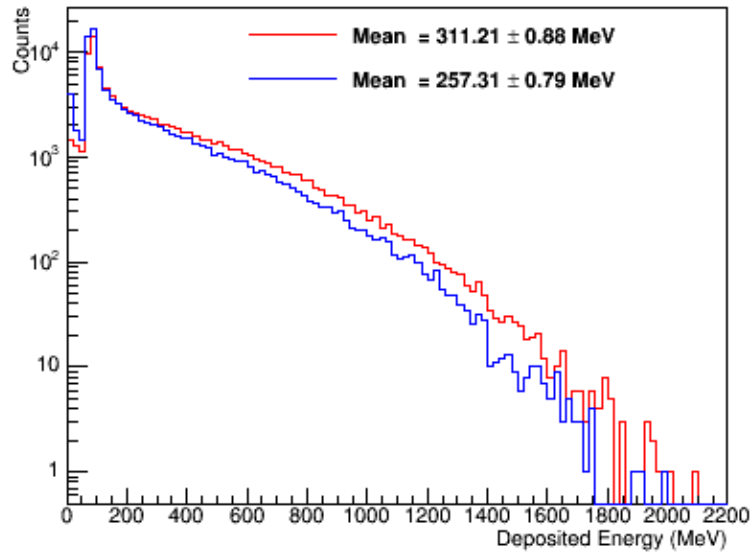


Full cryostat in η

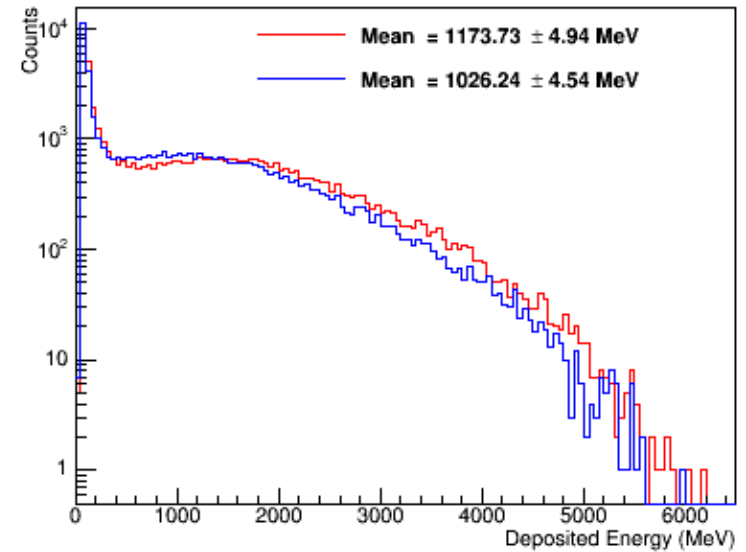


Energy Deposited in the Cryostat

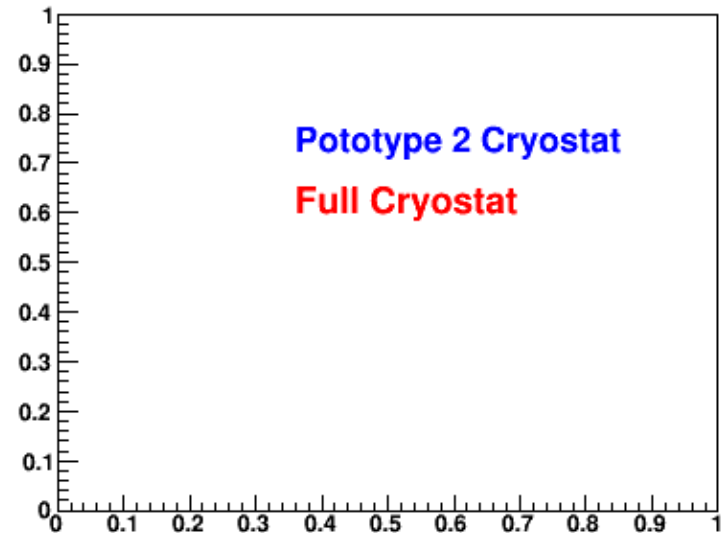
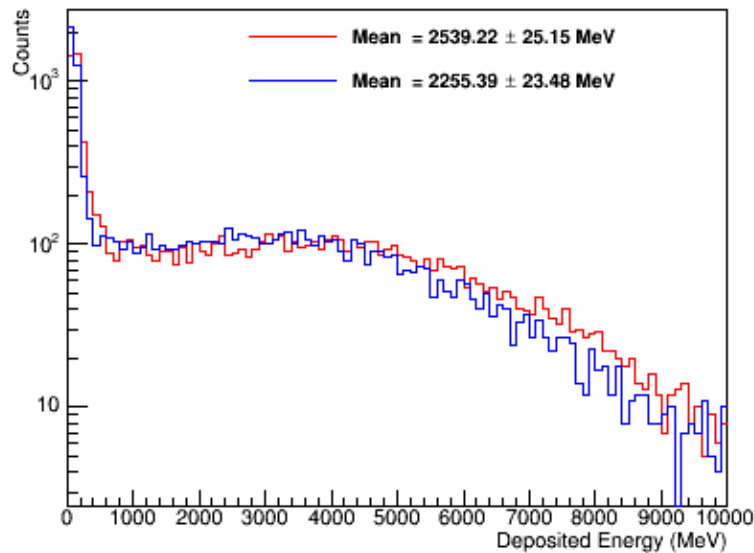
Cryostat / 4 GeV π^-



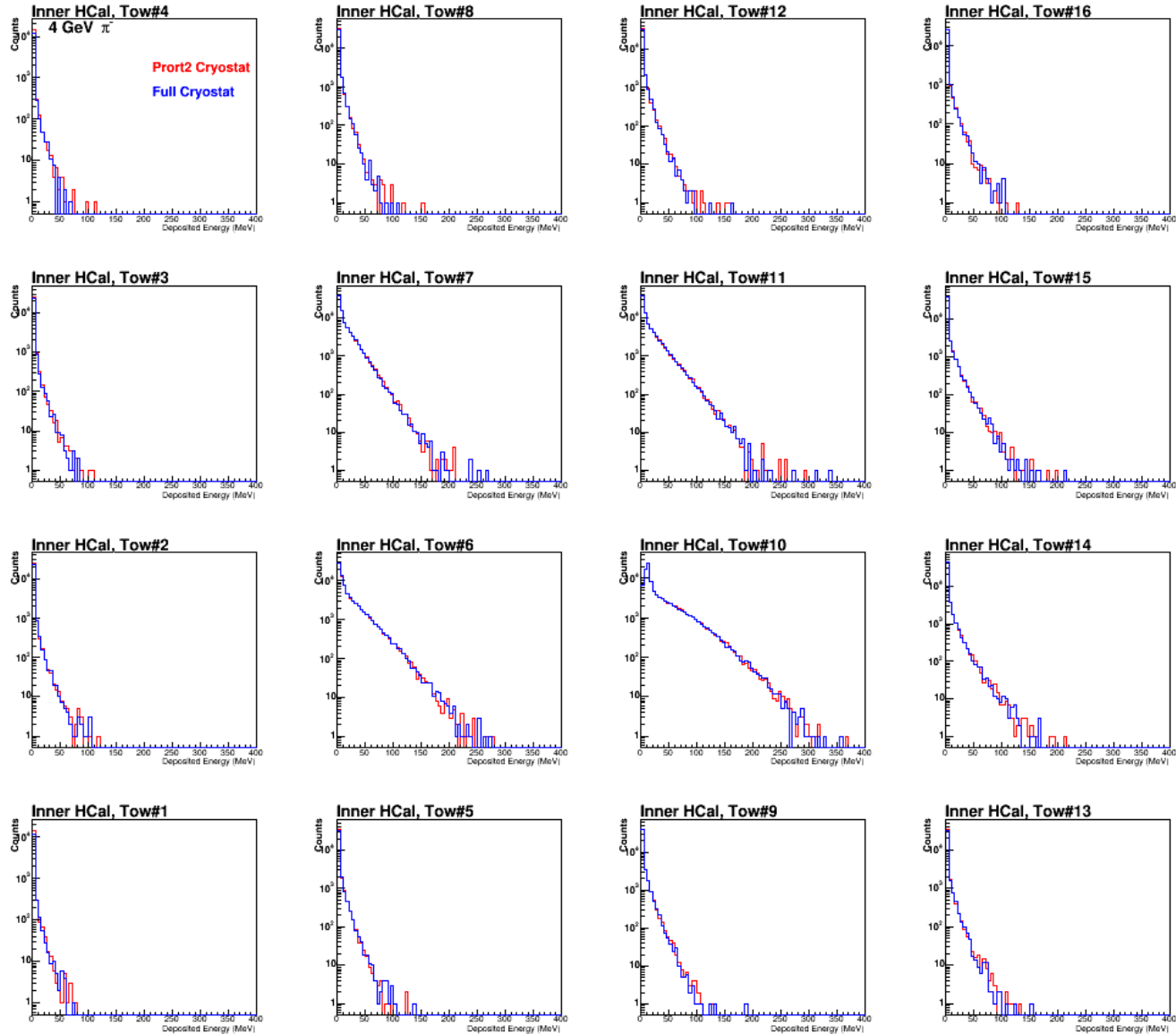
Cryostat / 16 GeV π^-



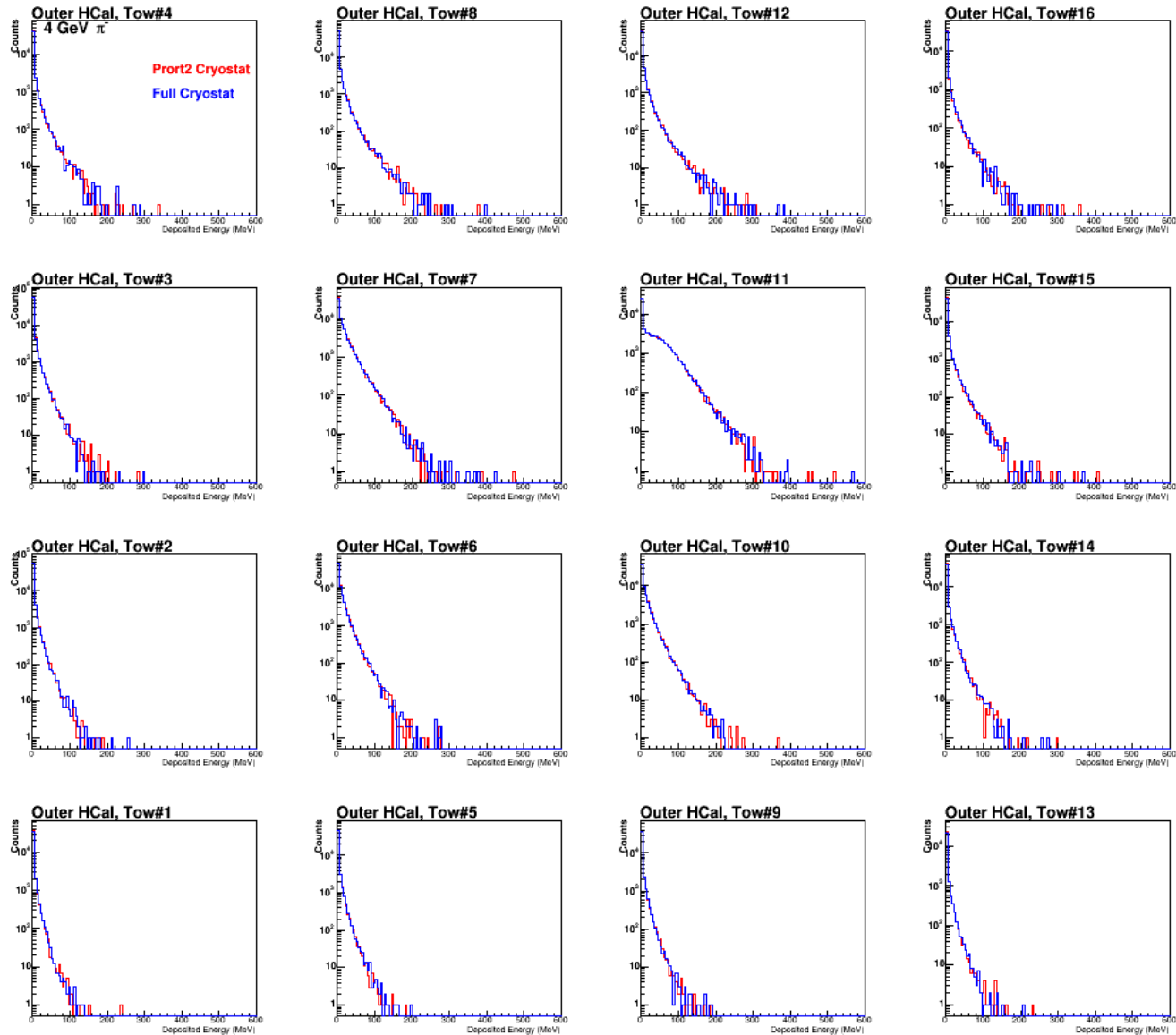
Cryostat / 40 GeV π^-



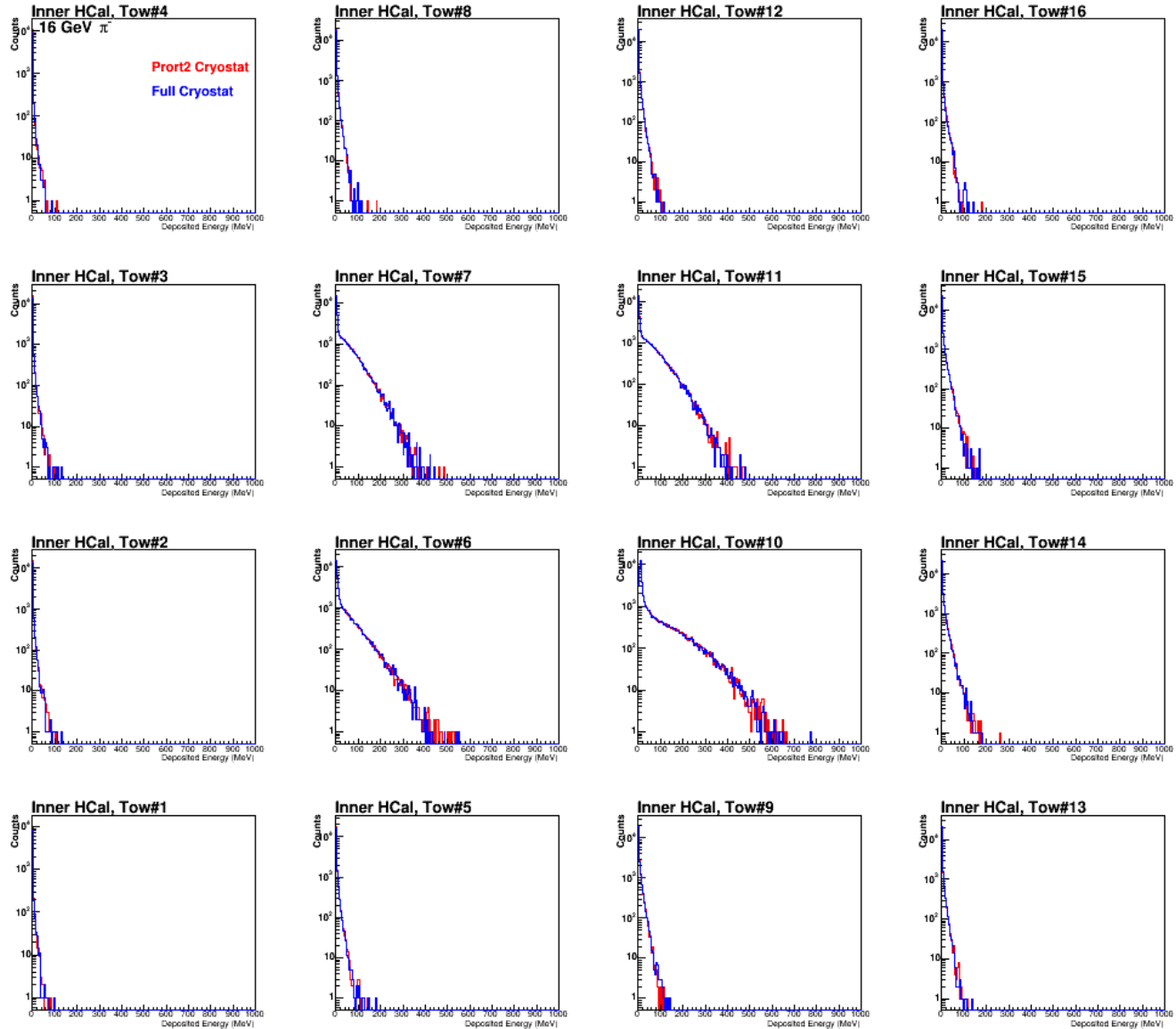
Inner HCal / 4 GeV π^-



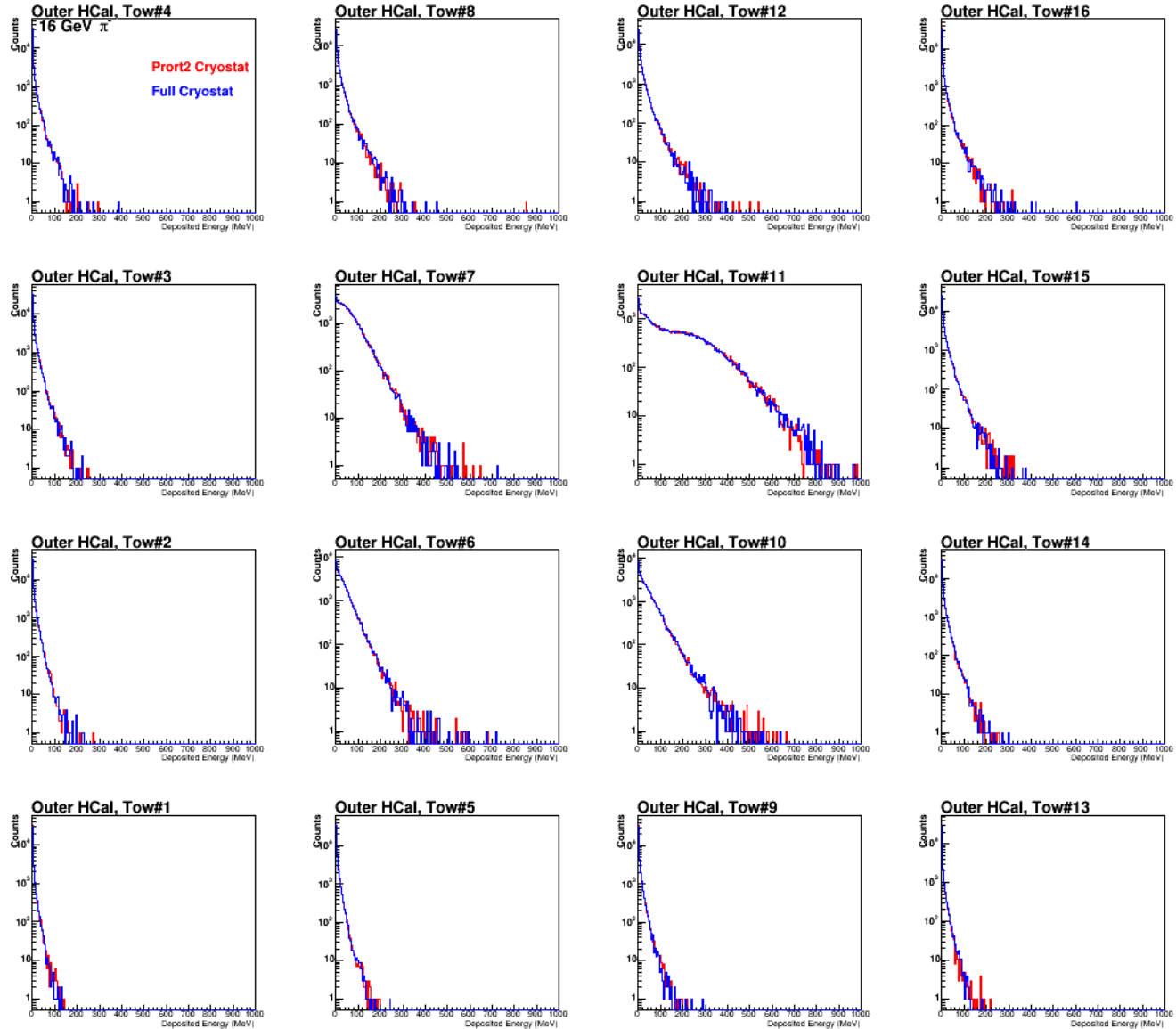
Outer HCal / 4 GeV π^-



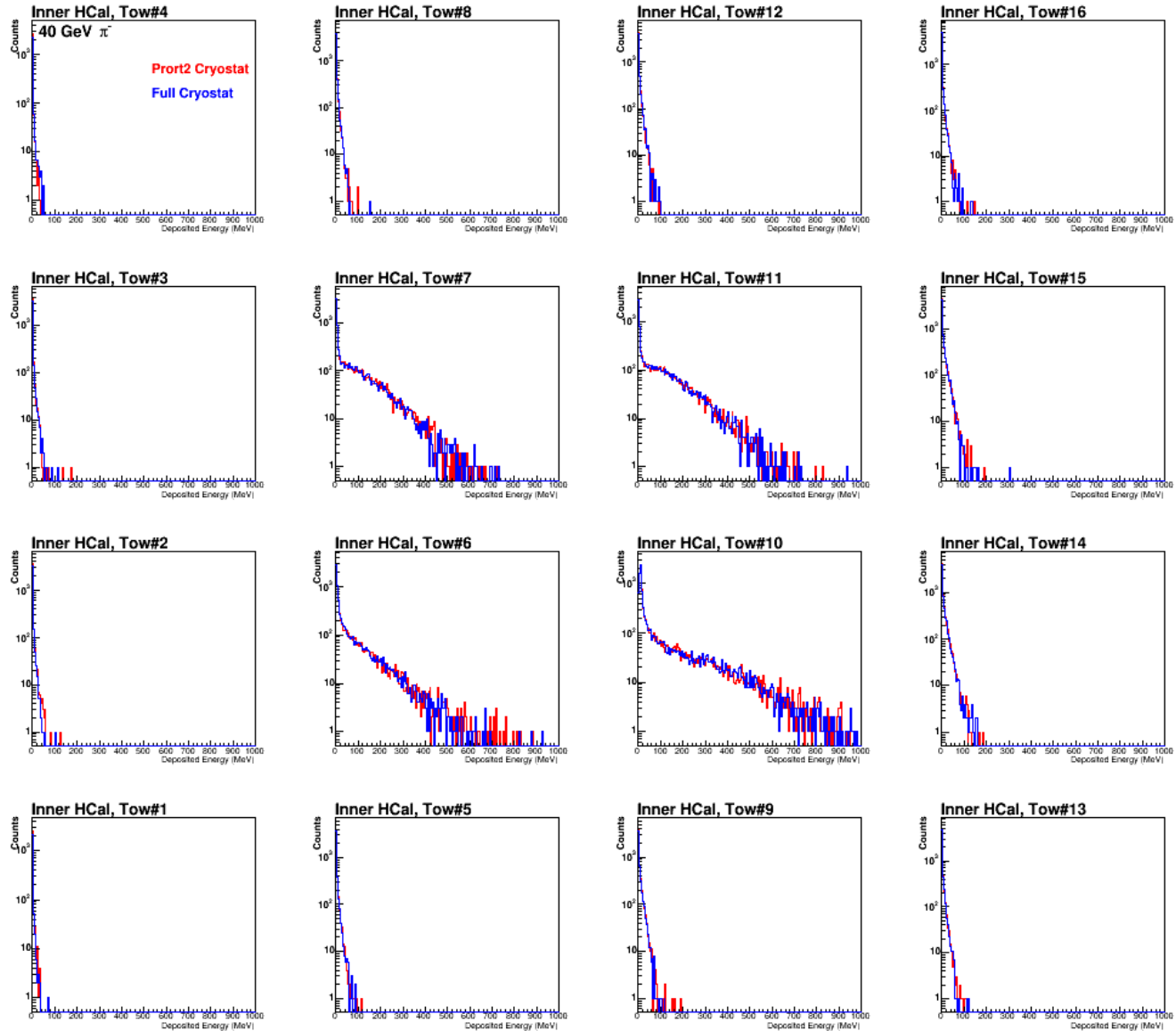
Inner HCal / 16 GeV π^-



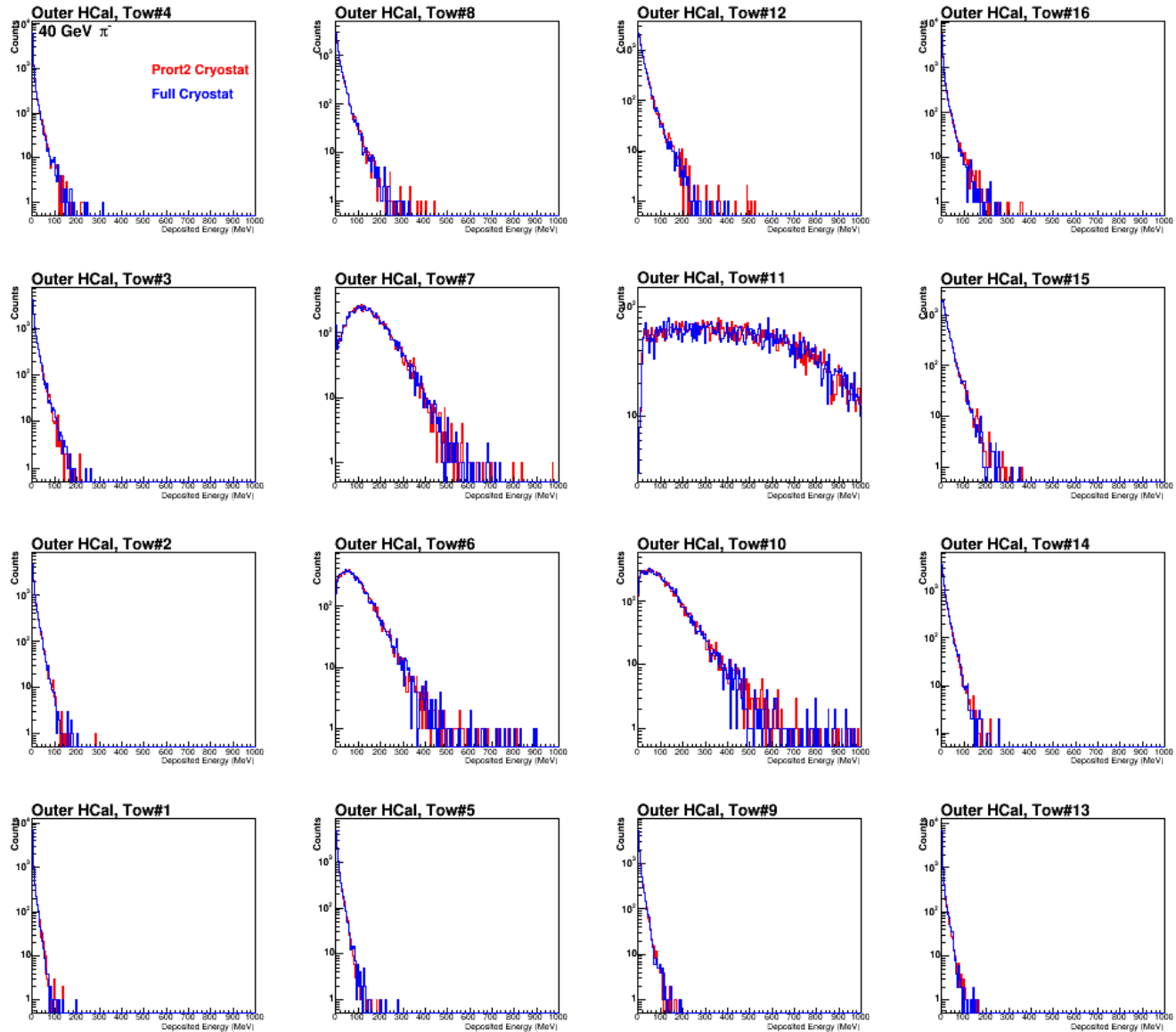
Outer HCal / 16 GeV π^-



Inner HCal / 40 GeV π^-



Outer HCal / 40 GeV π^-

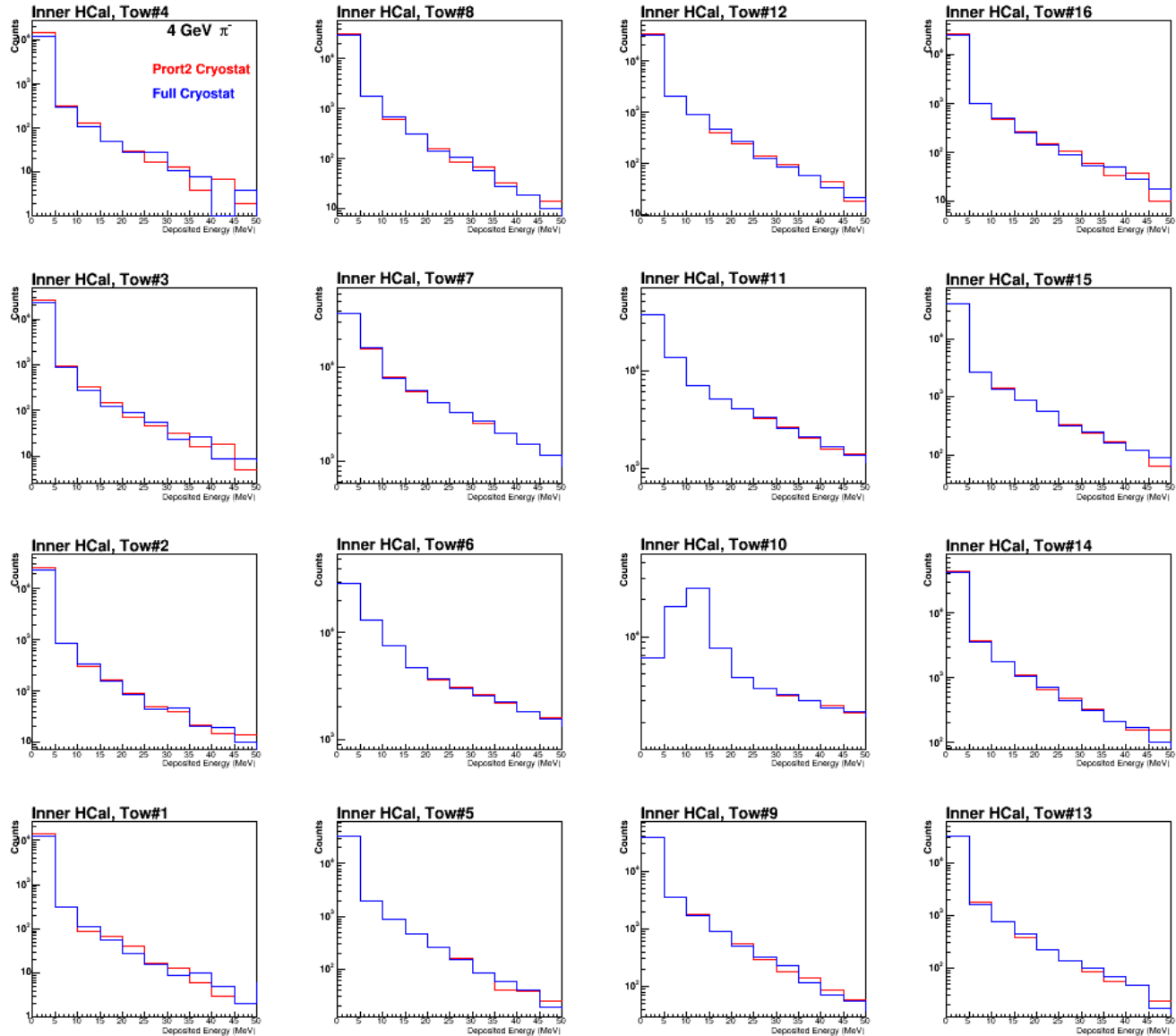


Inner HCal / 10 GeV π^- / Zoom in

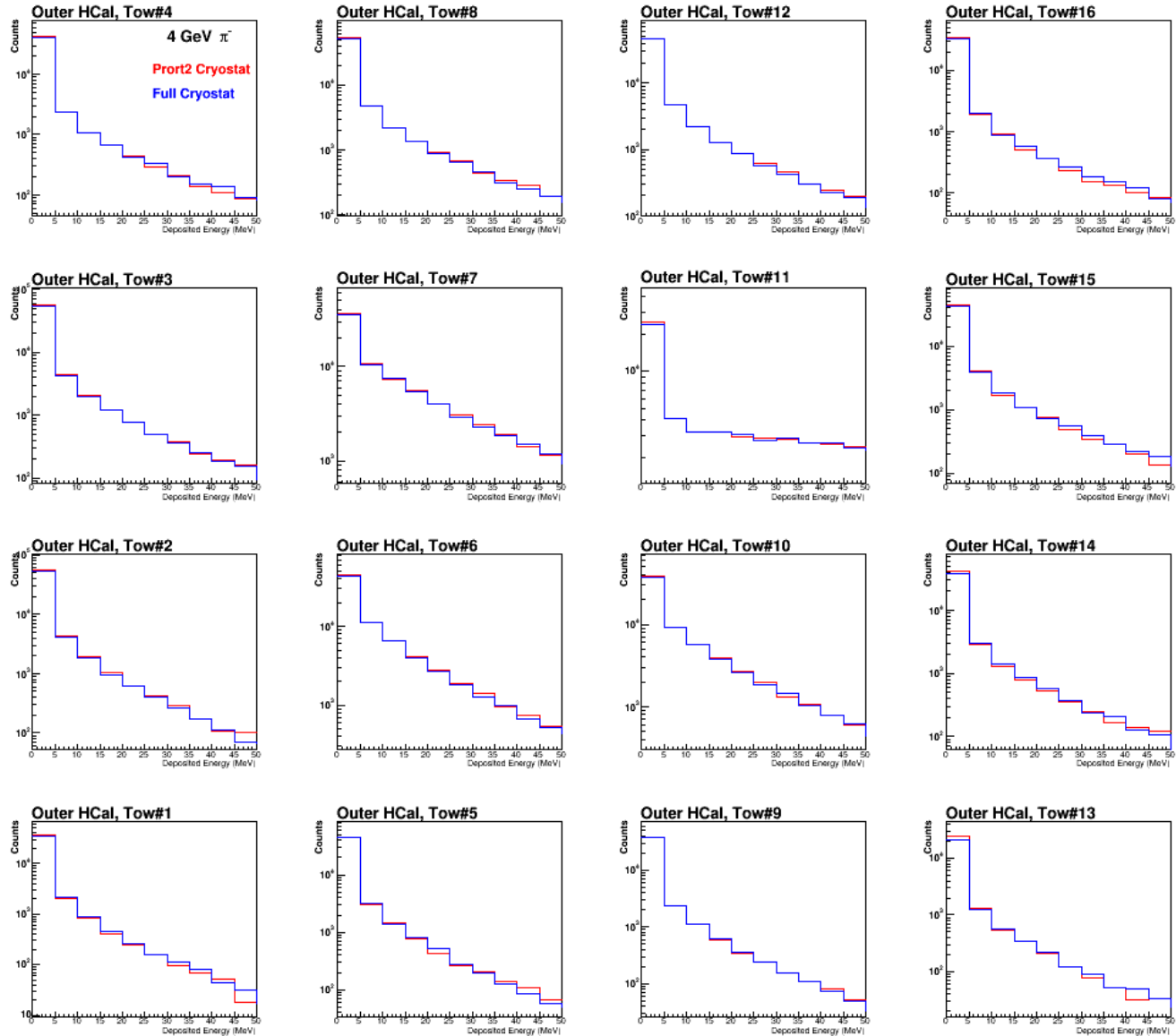
To do list

- Finalize the geometry
- Comprehensive comparison to Prototype2
- ...

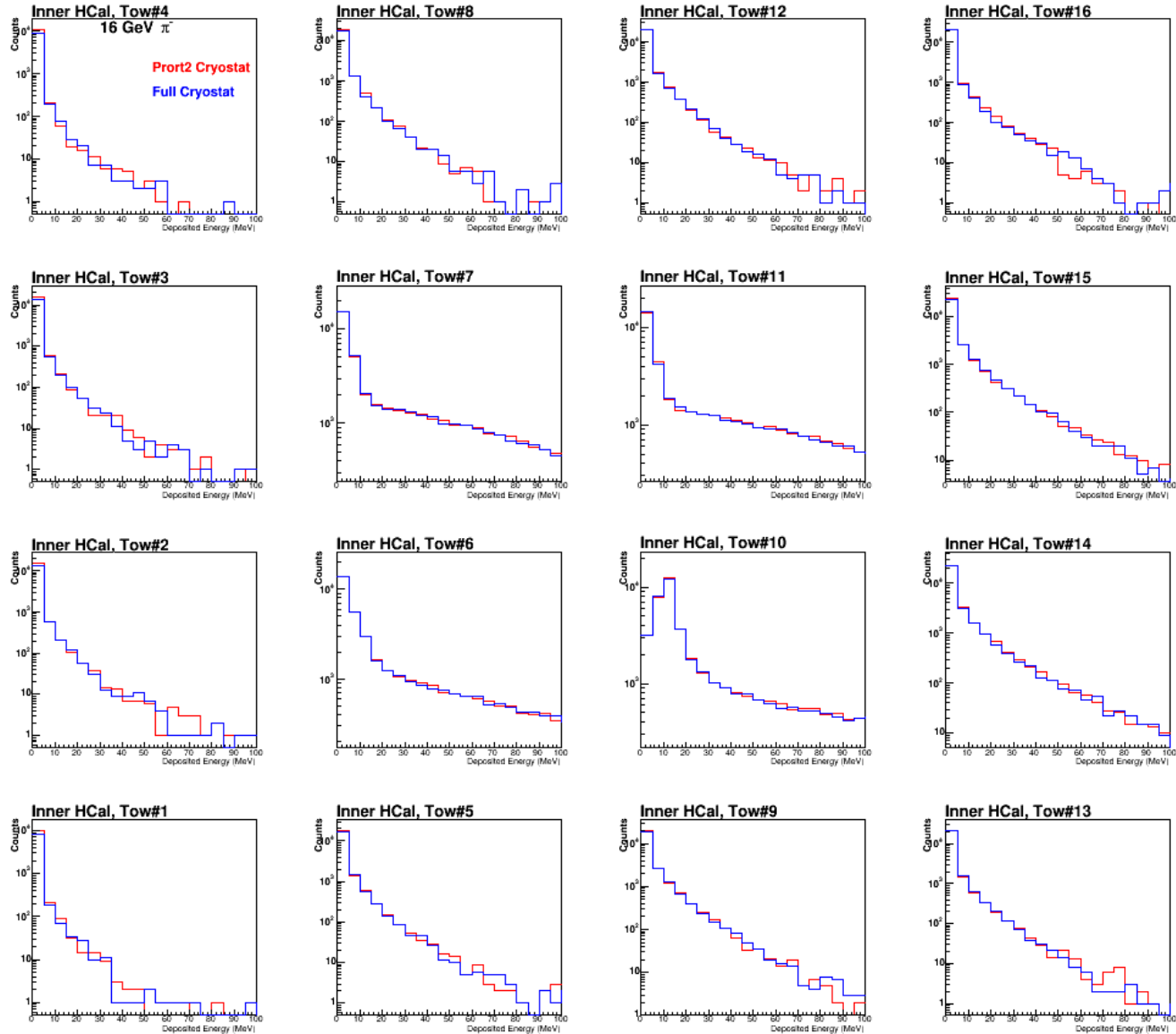
Inner HCal / 4 GeV π^-



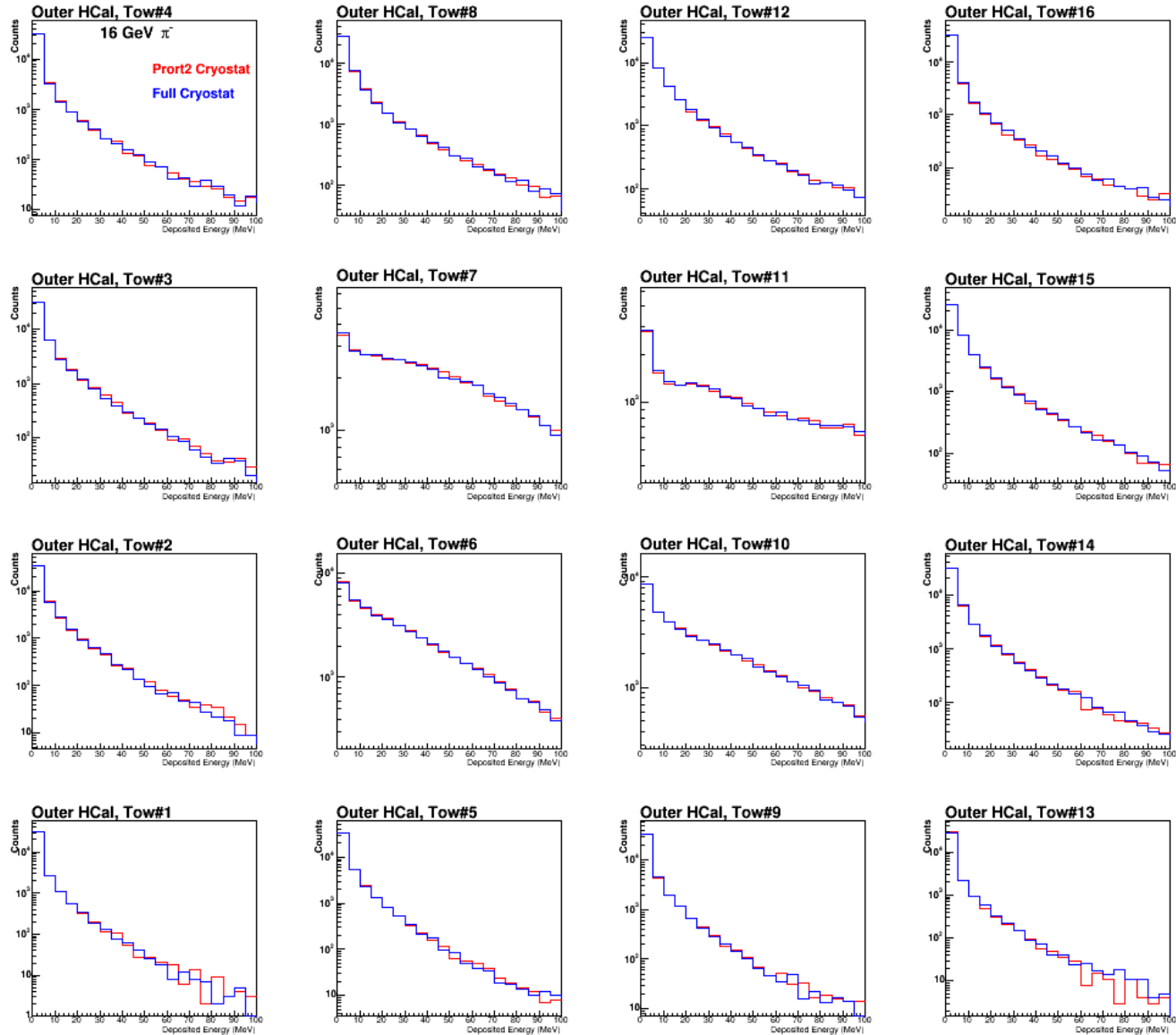
Outer HCal / 4 GeV π^-



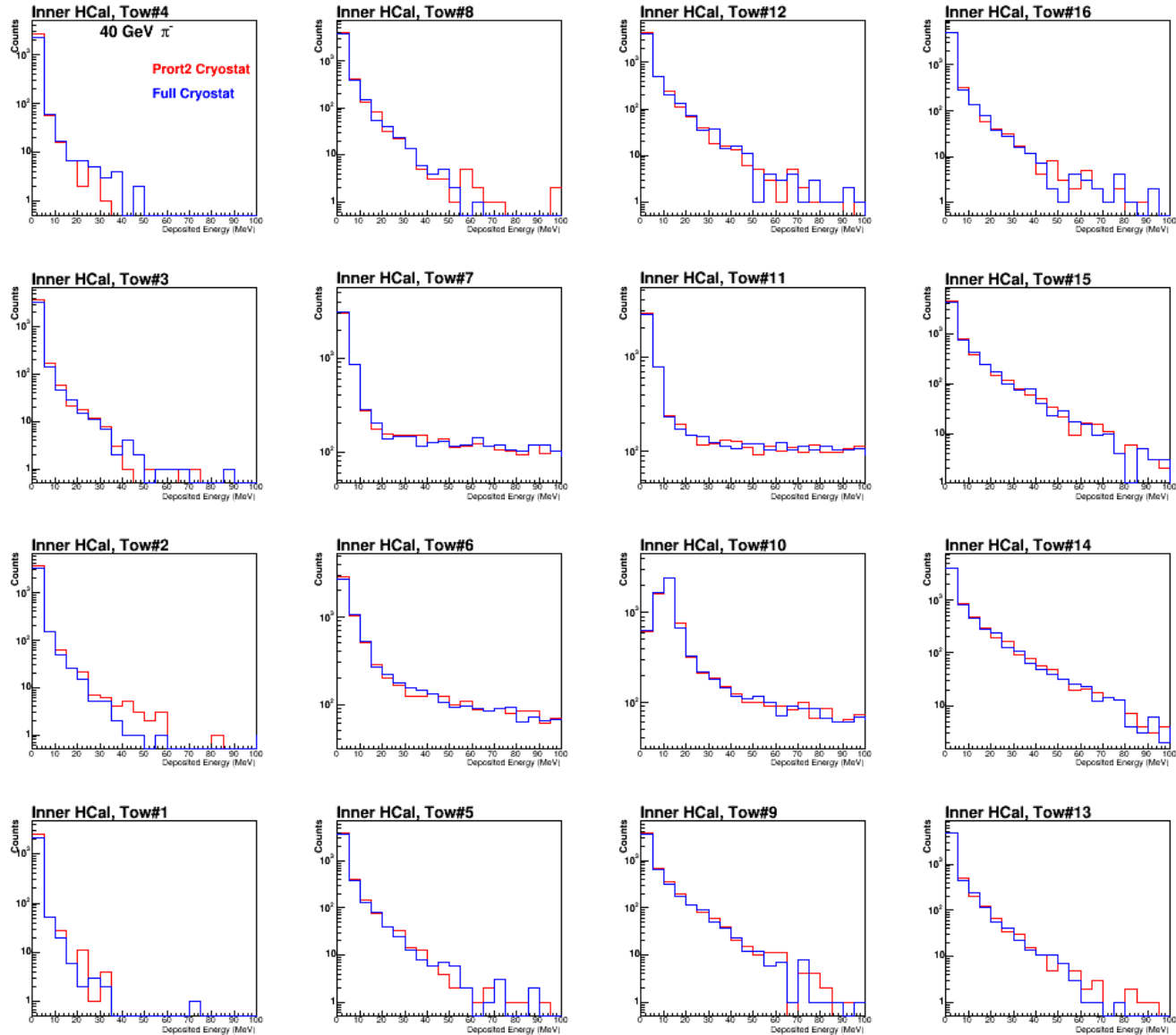
Inner HCal / 16 GeV π^-



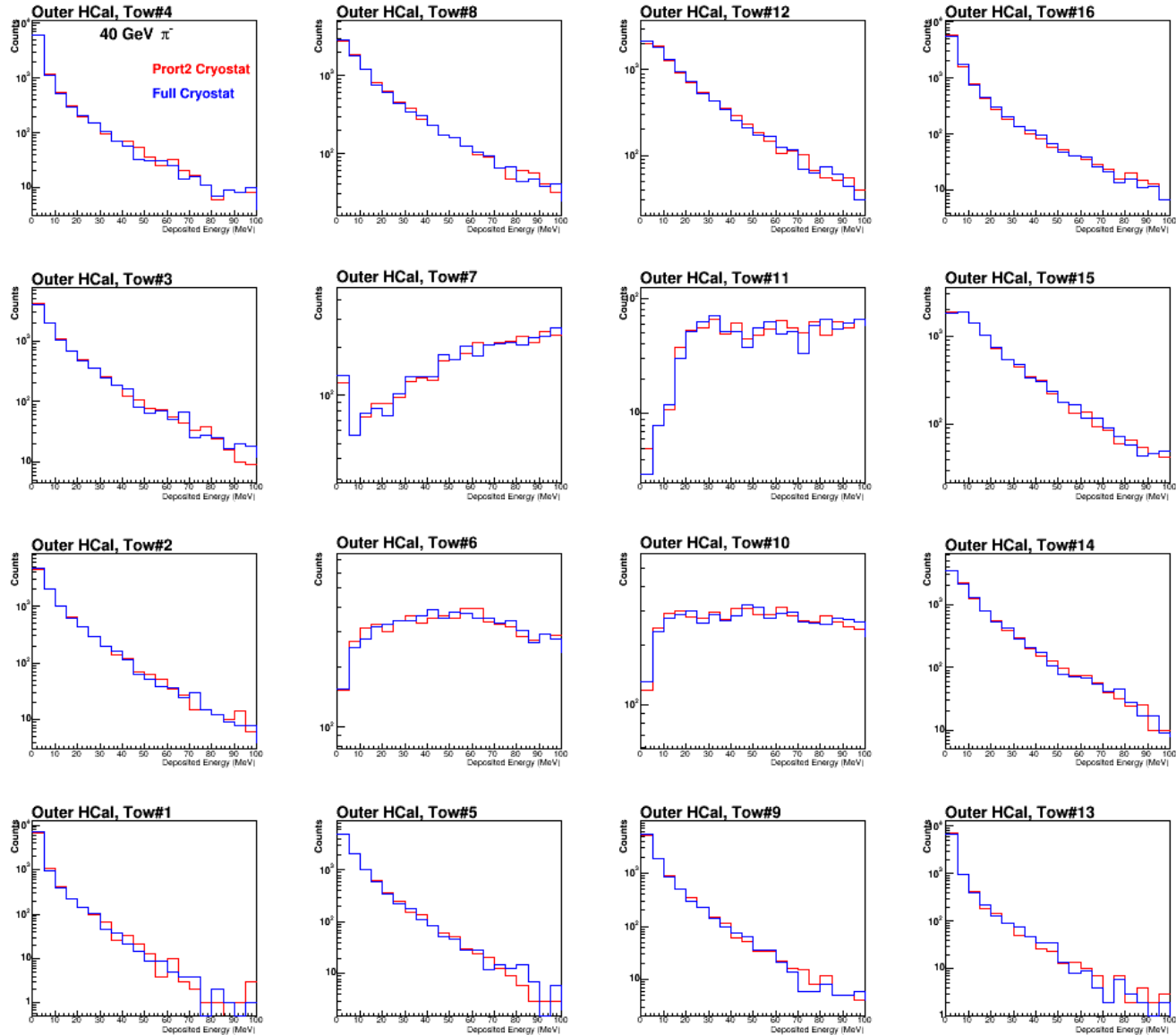
Outer HCal / 16 GeV π^-



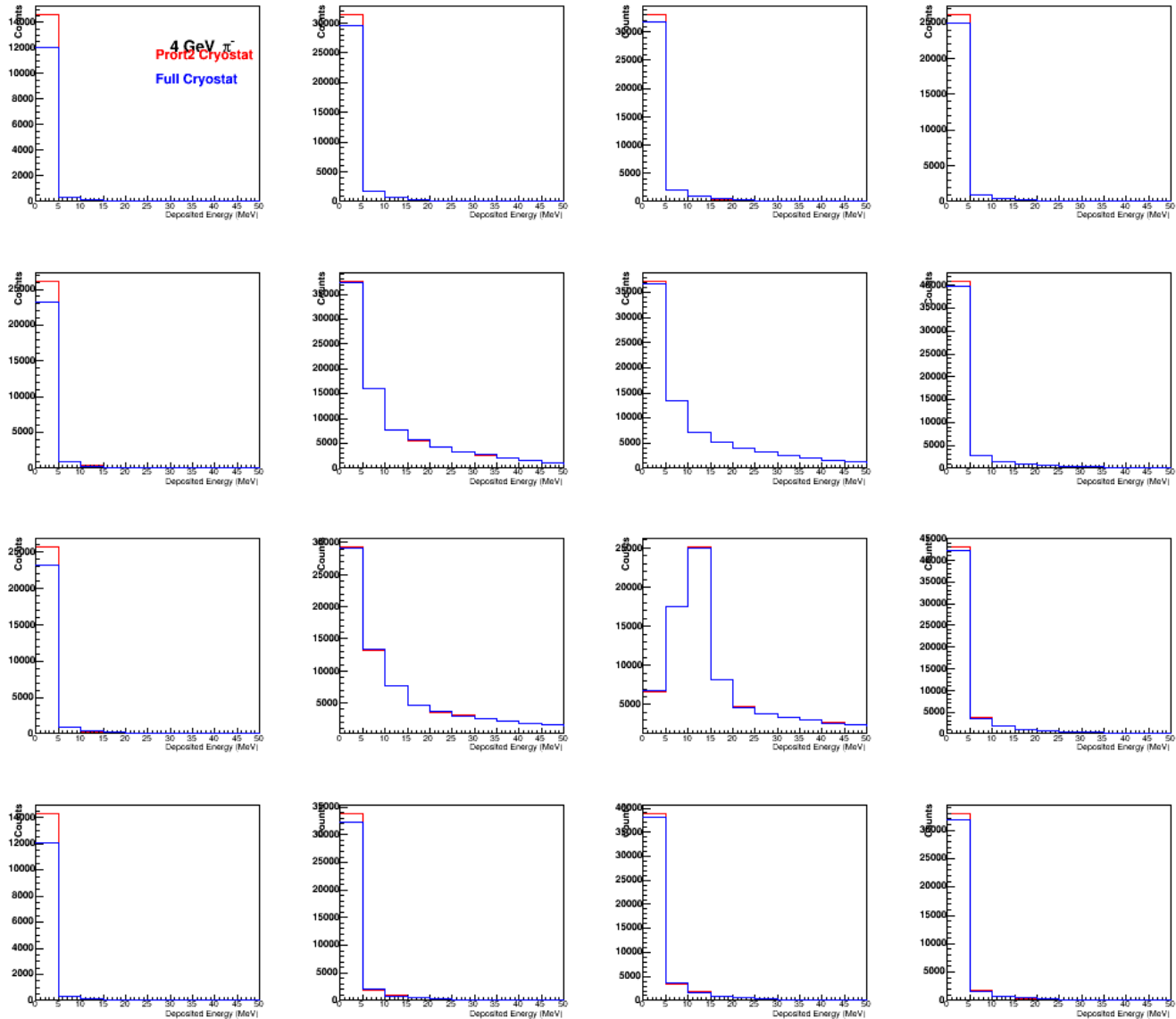
Inner HCal / 40 GeV π^-



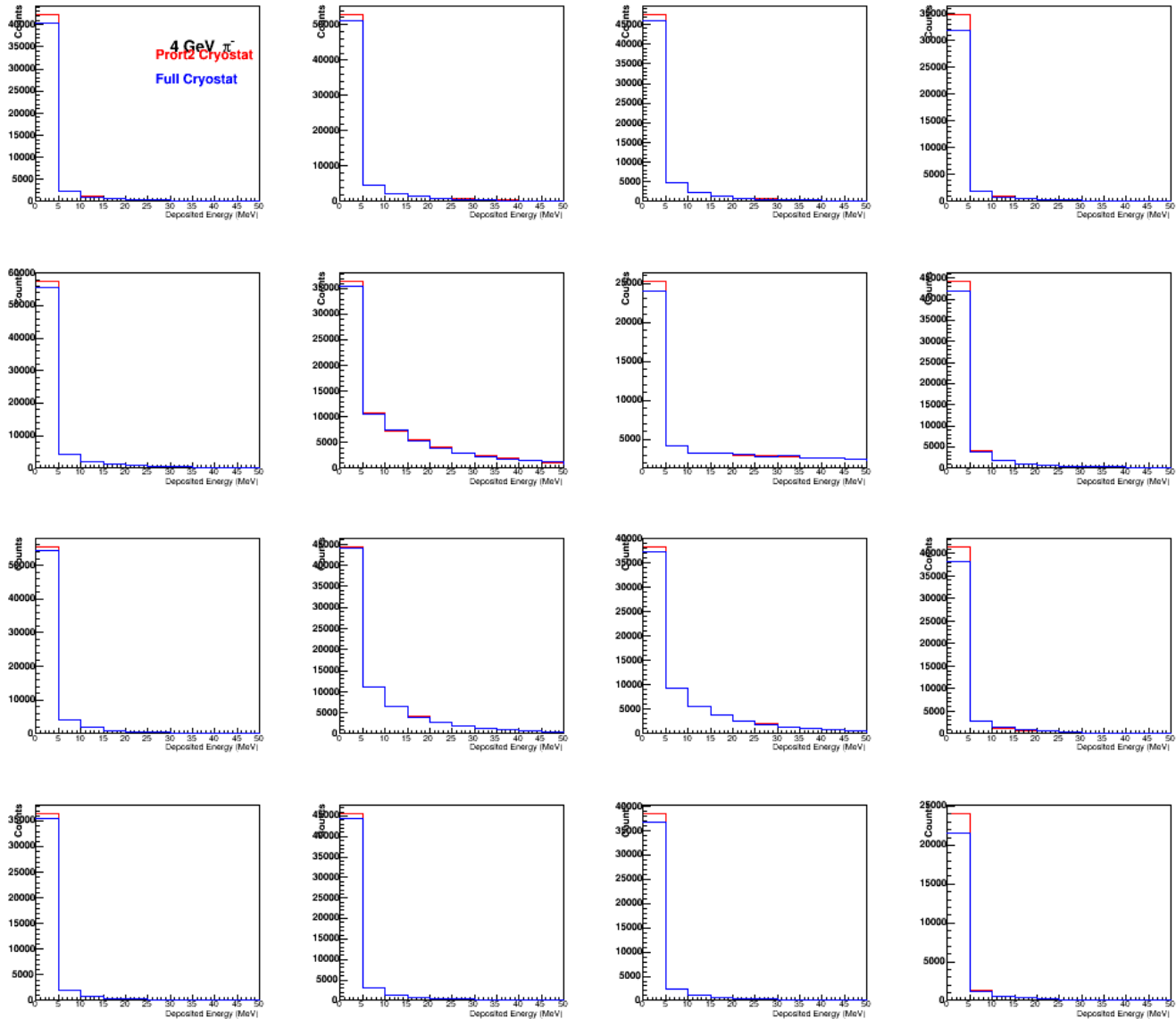
Outer HCal / 40 GeV π^-



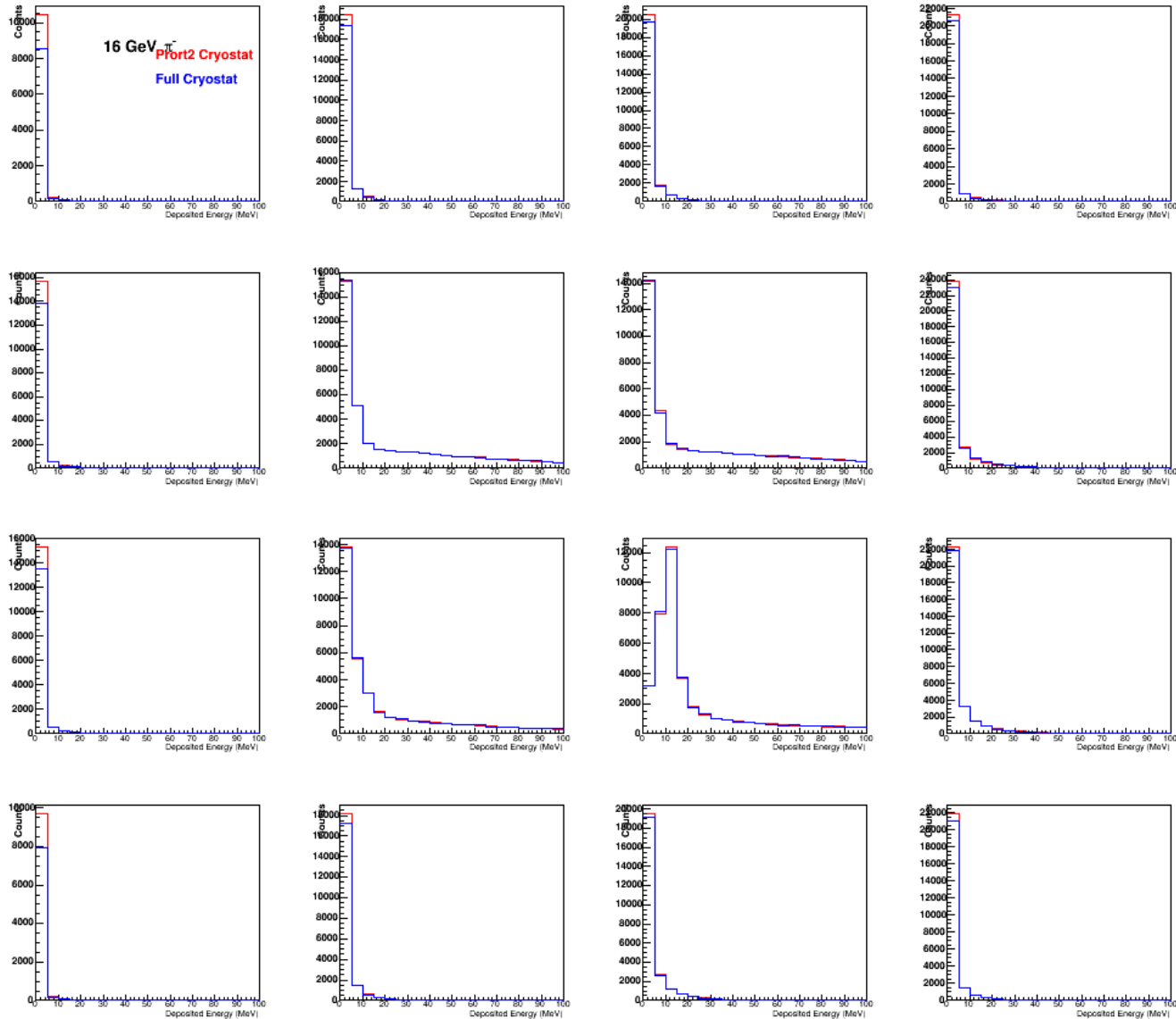
Inner HCal / 4 GeV π^-



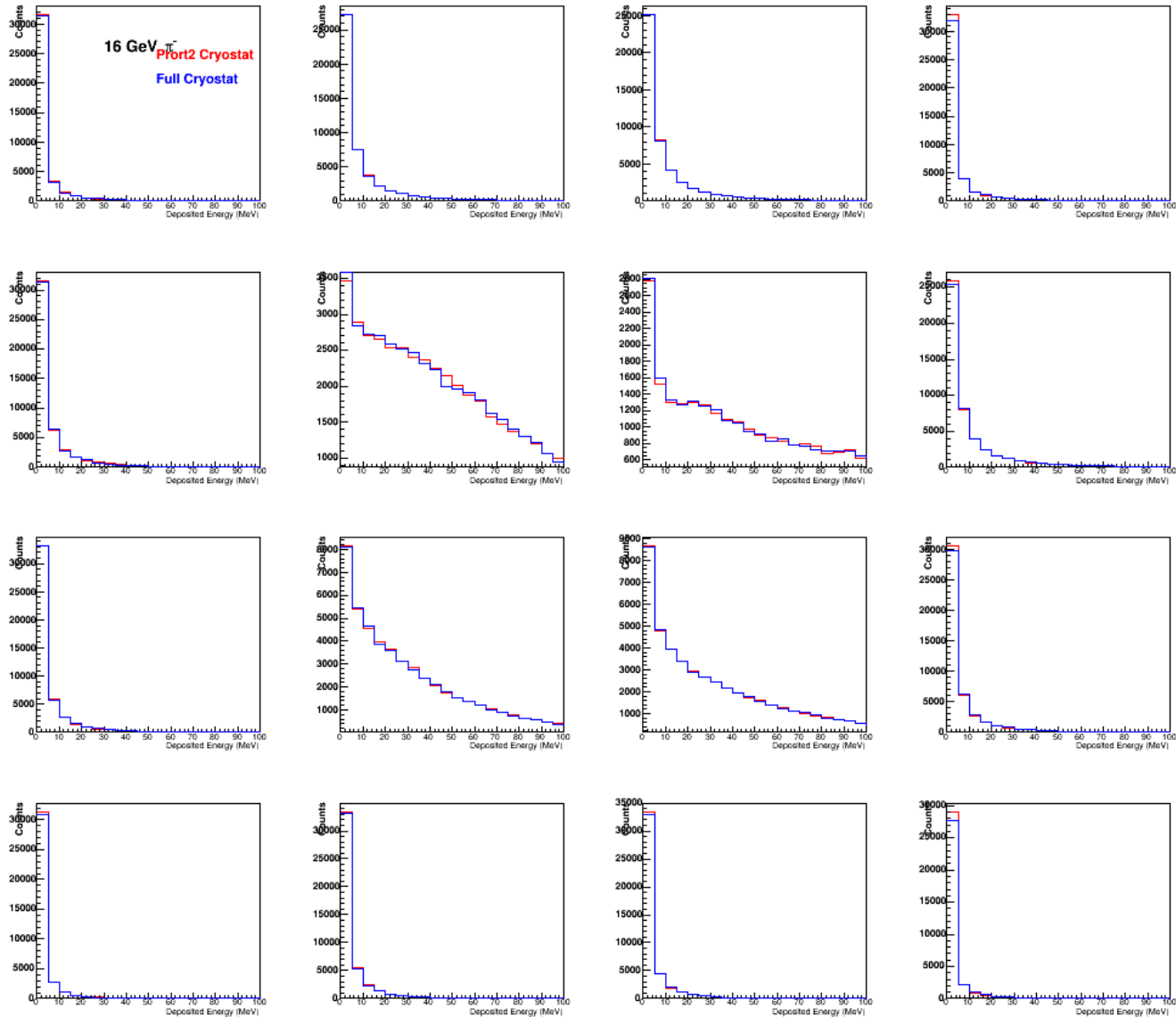
Outer HCal / 4 GeV π^-



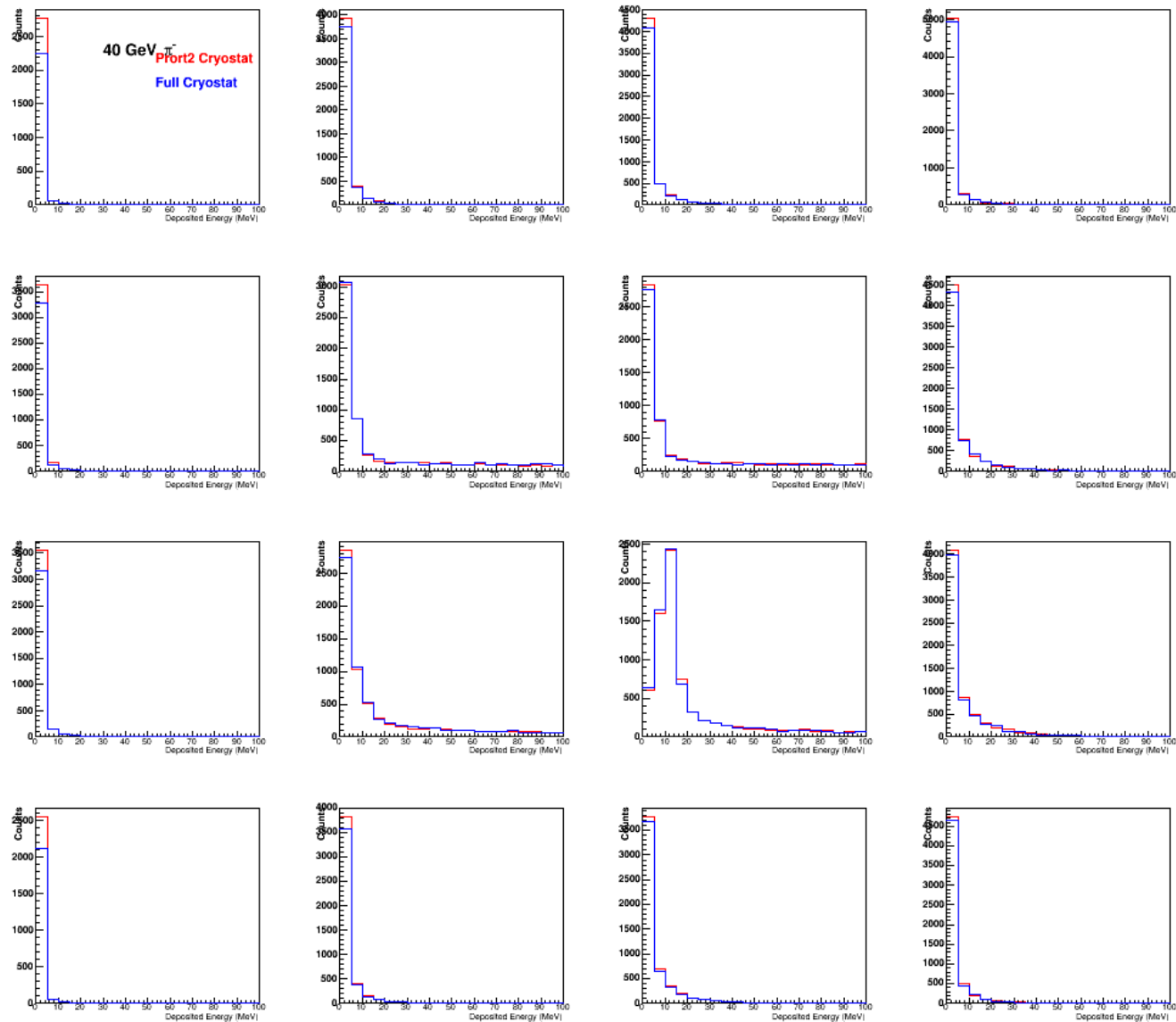
Inner HCal / 16 GeV π^-



Outer HCal / 16 GeV π^-



Inner HCal / 40 GeV π^-



Outer HCal / 40 GeV π^-

