

'Hcal Only' / ('Hcal+Ecal both' + 'Ecal only')

ratio

10

1

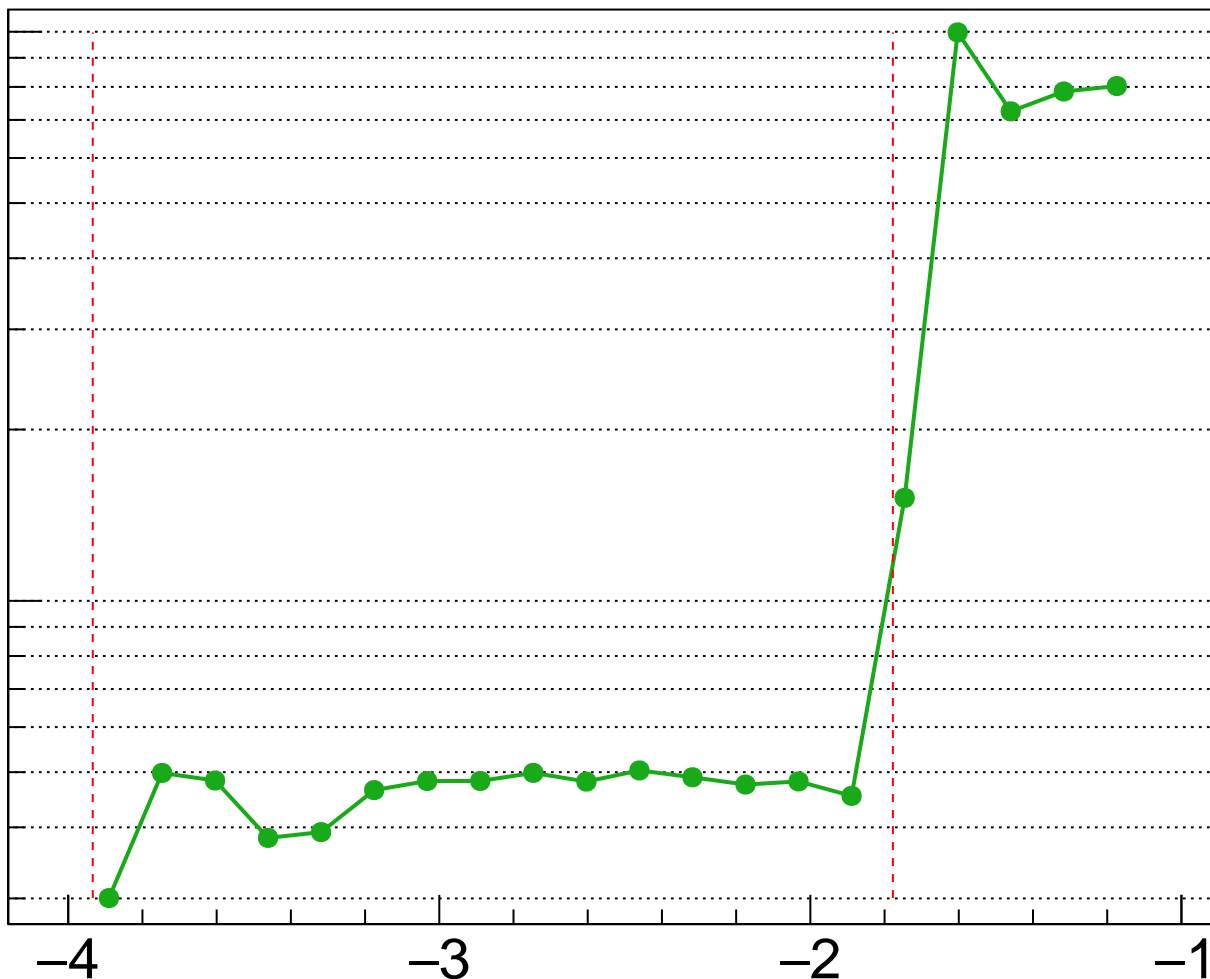
-4

-3

-2

-1

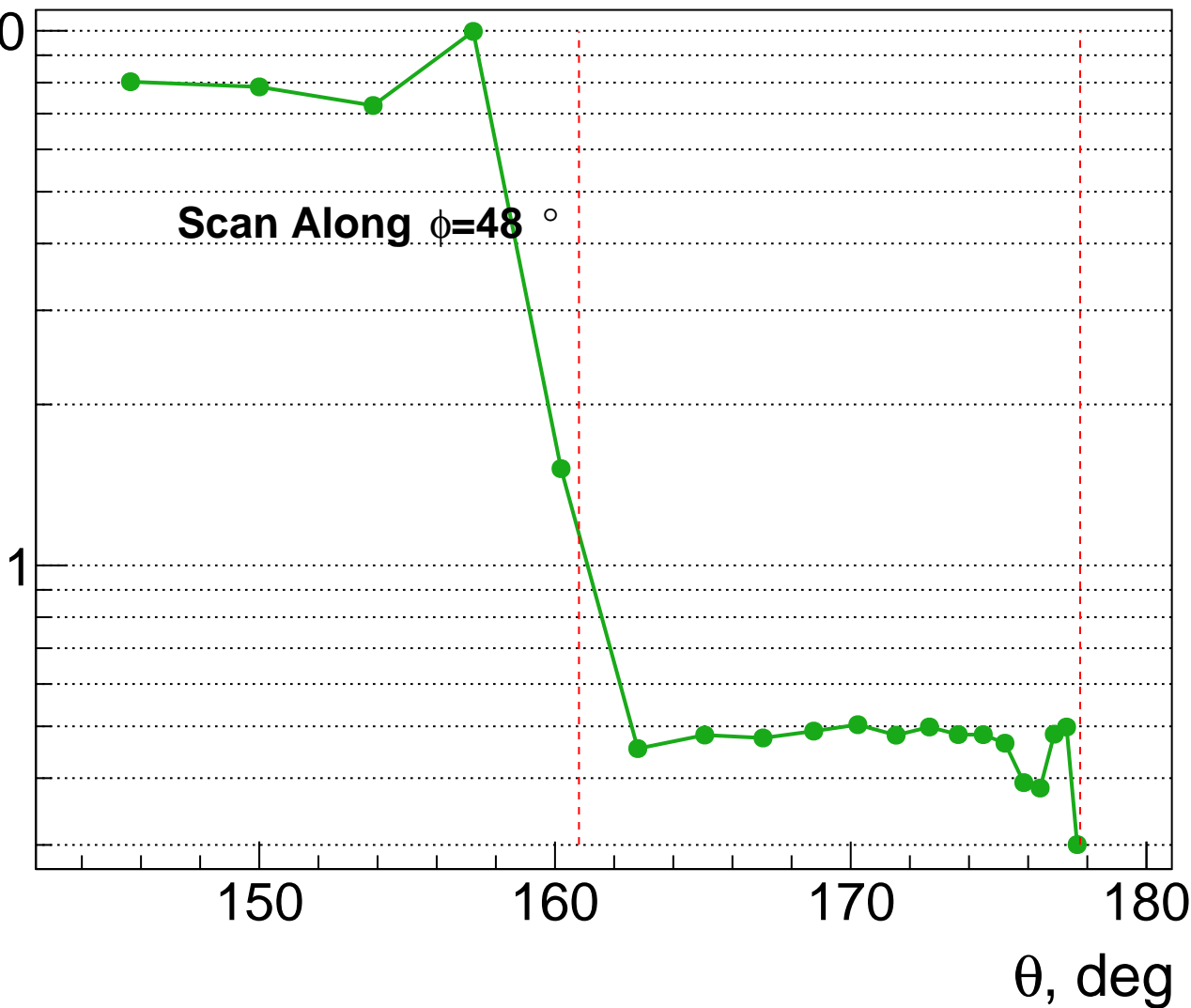
η



'Hcal Only' / ('Hcal+Ecal both' + 'Ecal only')

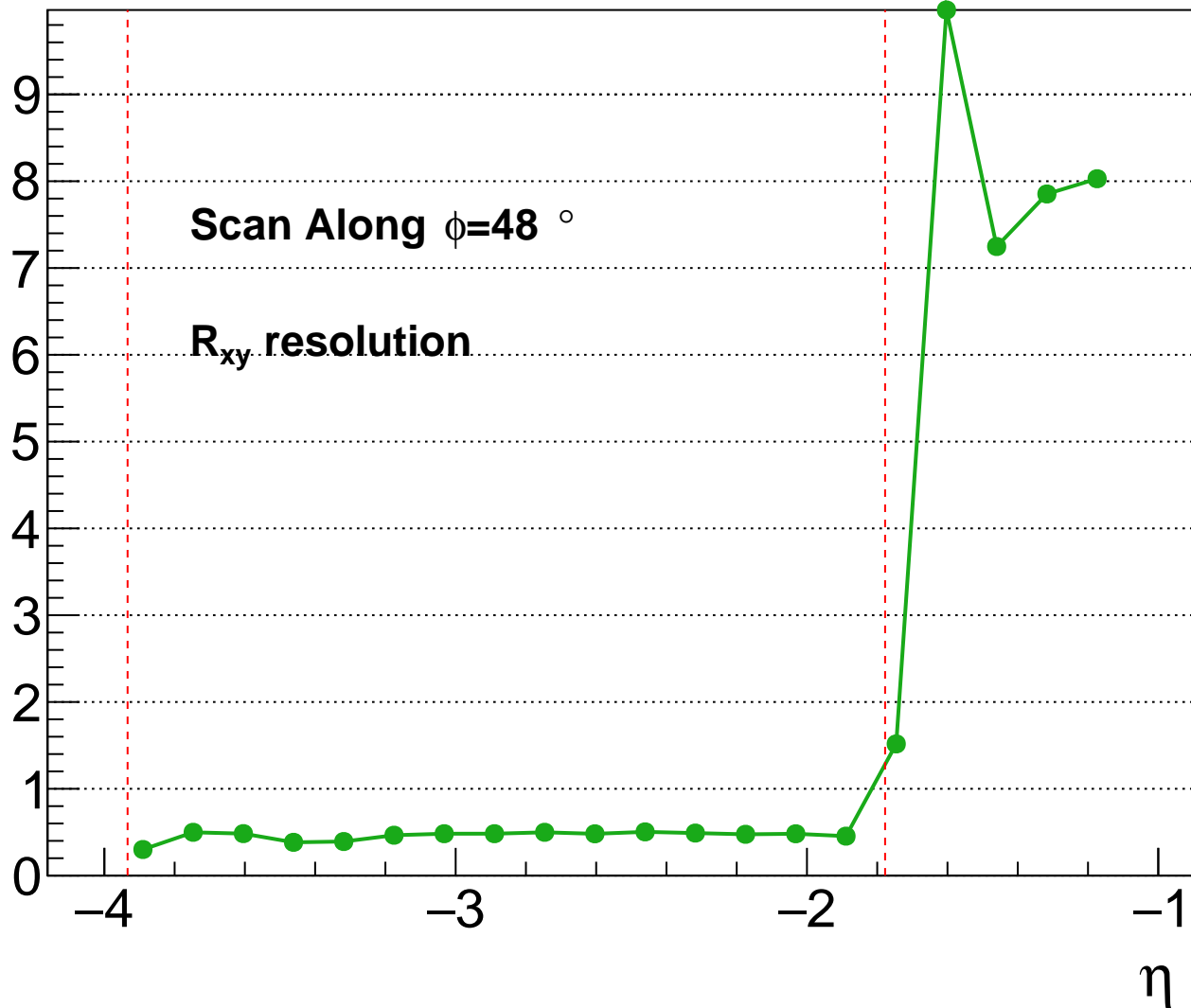
ratio

Scan Along $\phi=48^\circ$



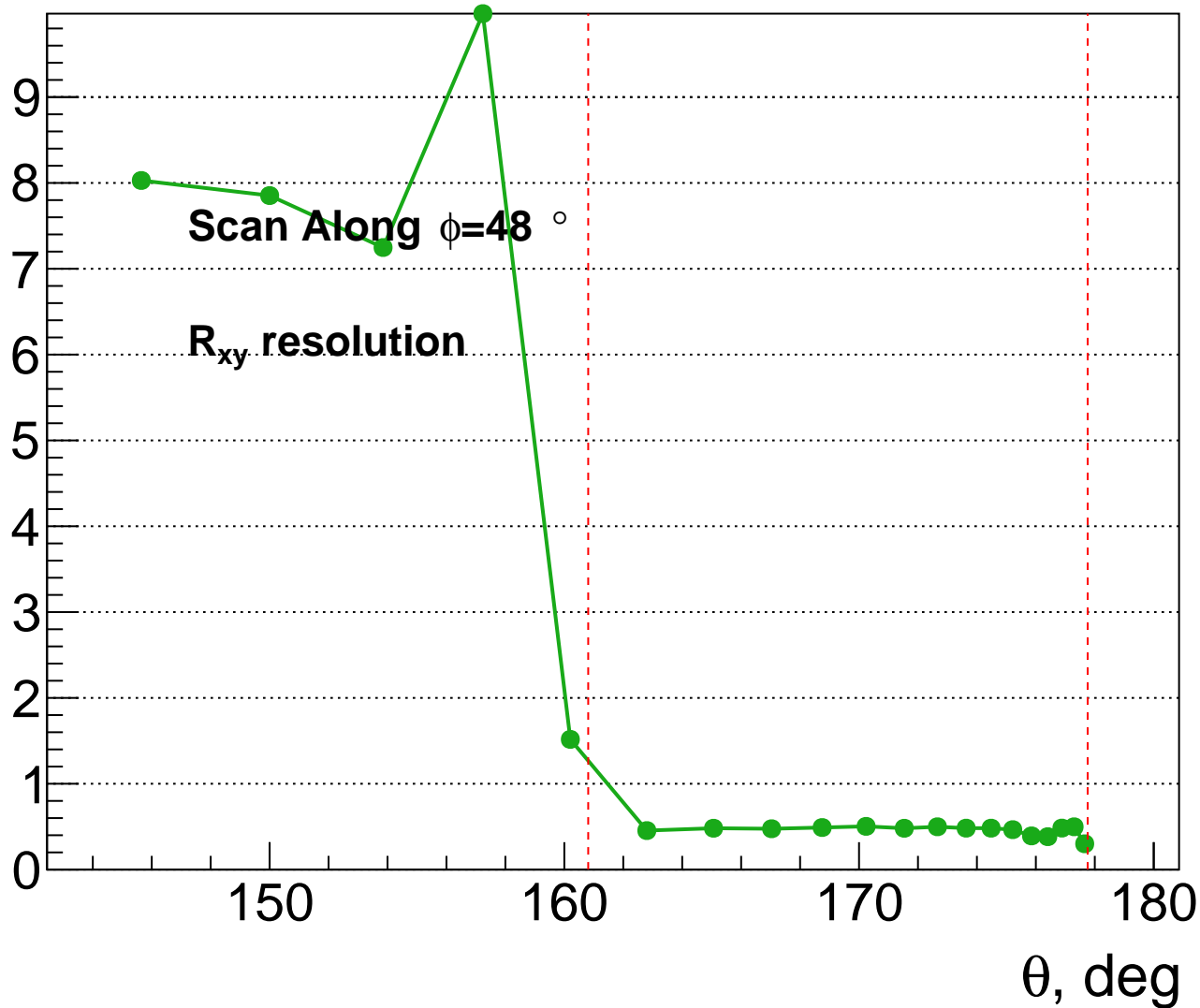
'Hcal Only' / ('Hcal+Ecal both' + 'Ecal only')

ratio



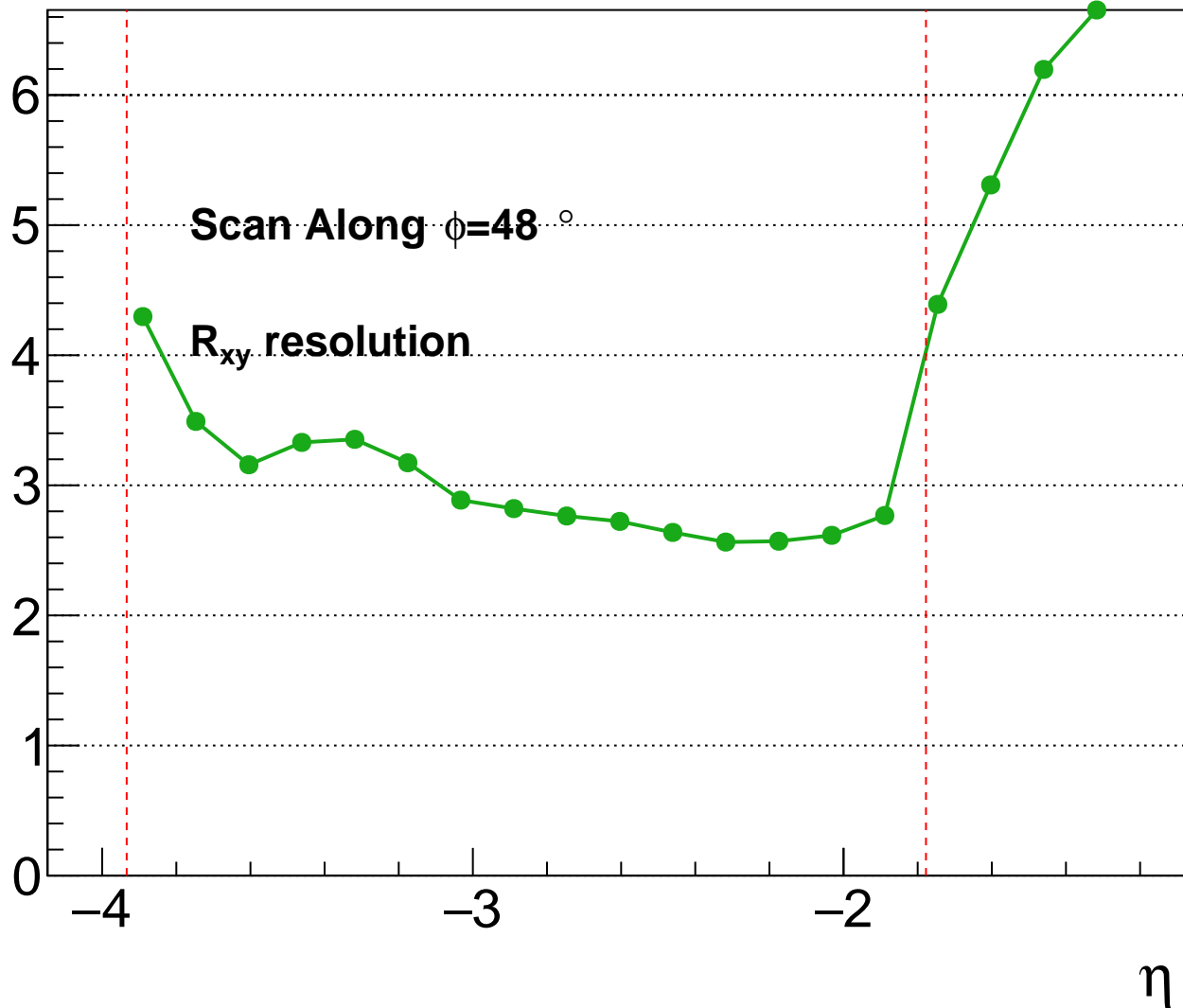
'Hcal Only' / ('Hcal+Ecal both' + 'Ecal only')

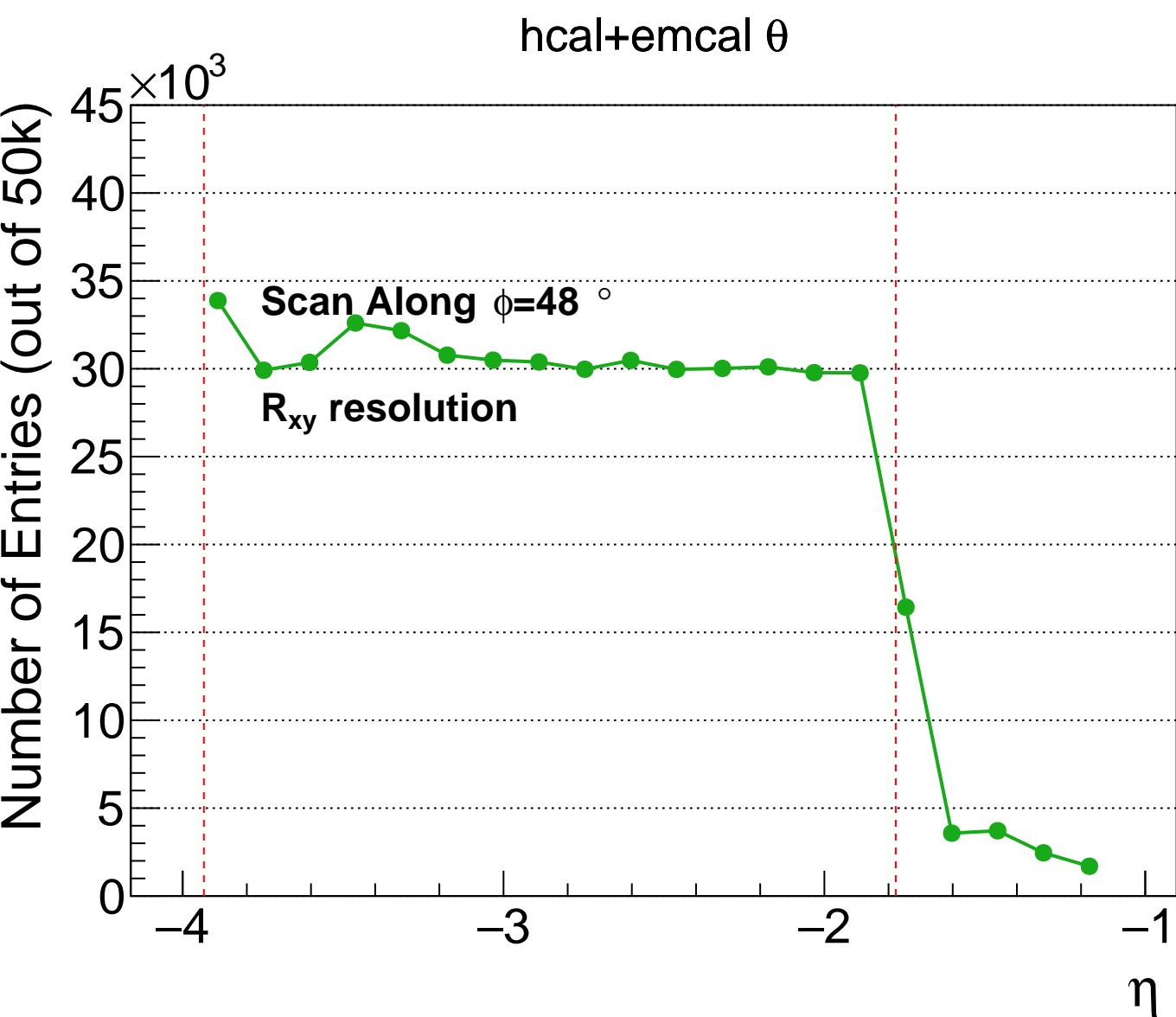
ratio



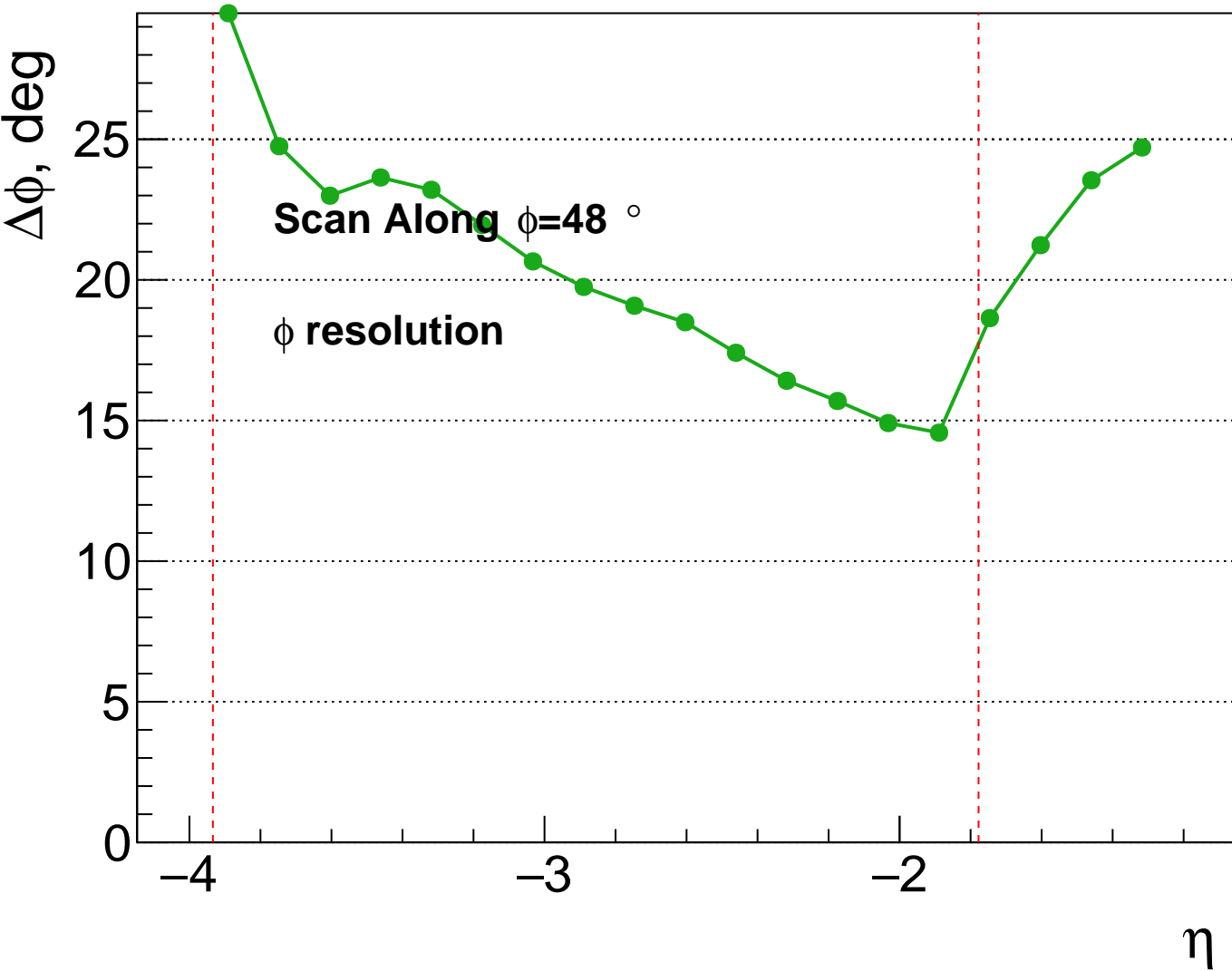
hcal+emcal θ

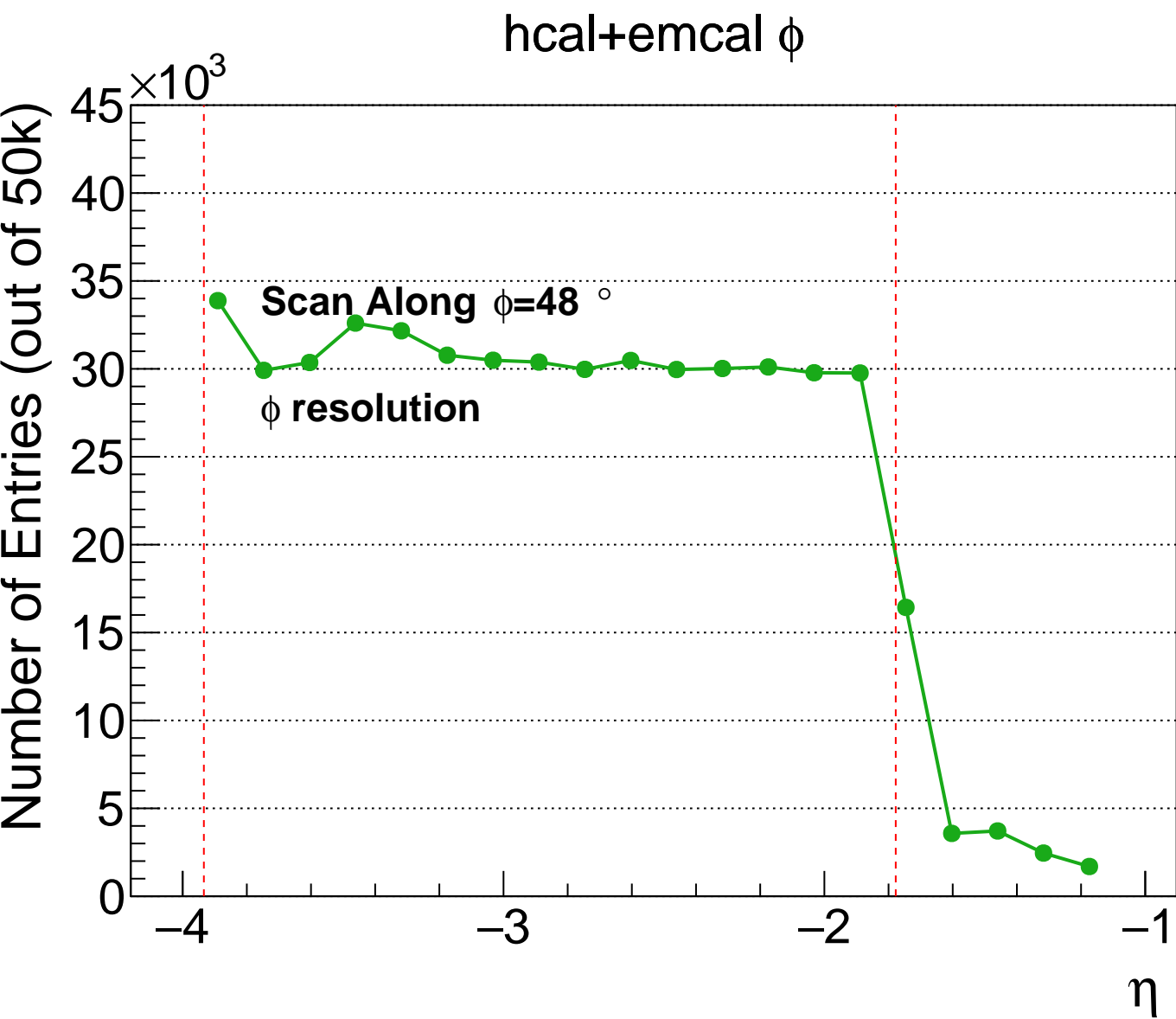
$\Delta\theta$, deg



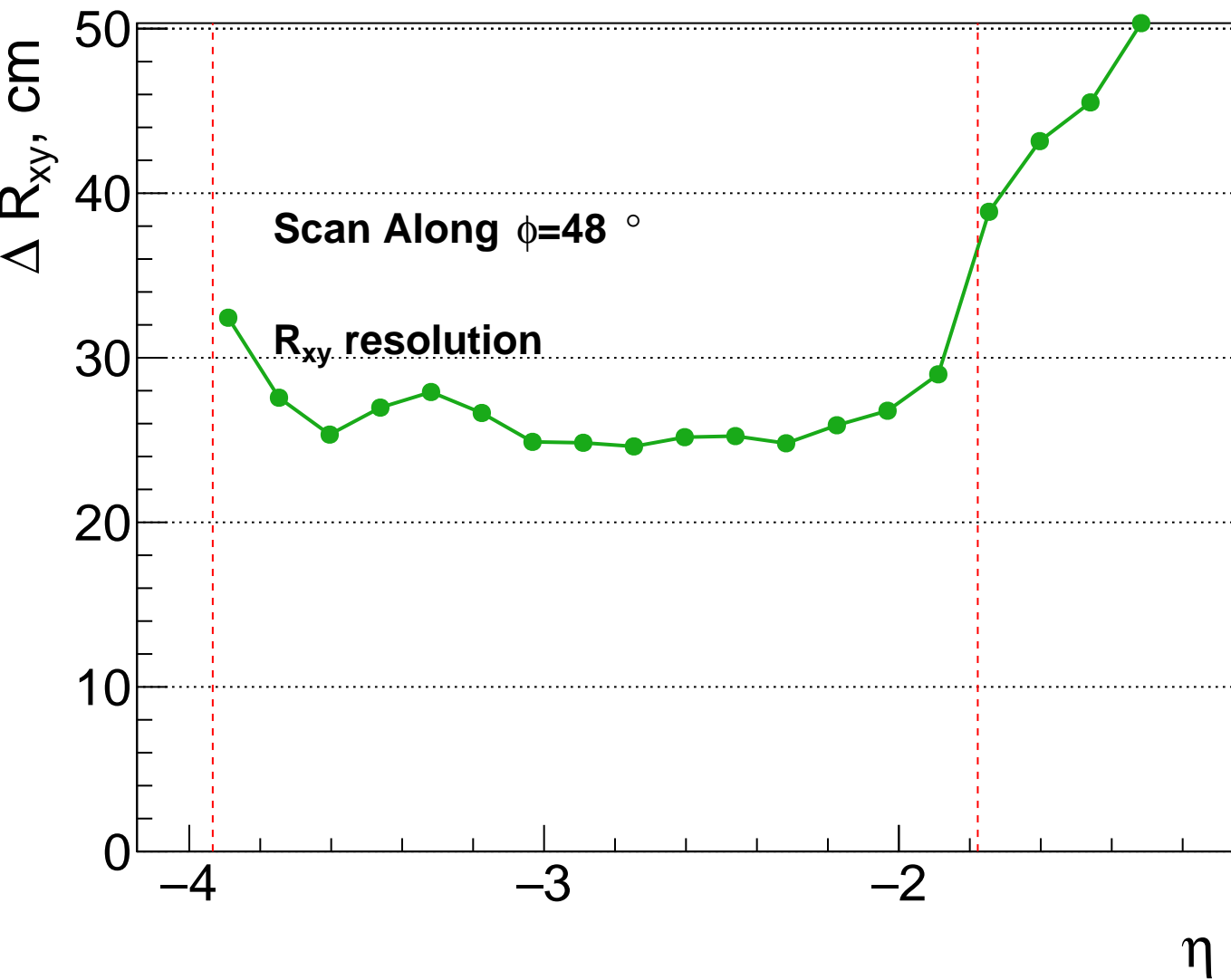


hcal+emcal ϕ

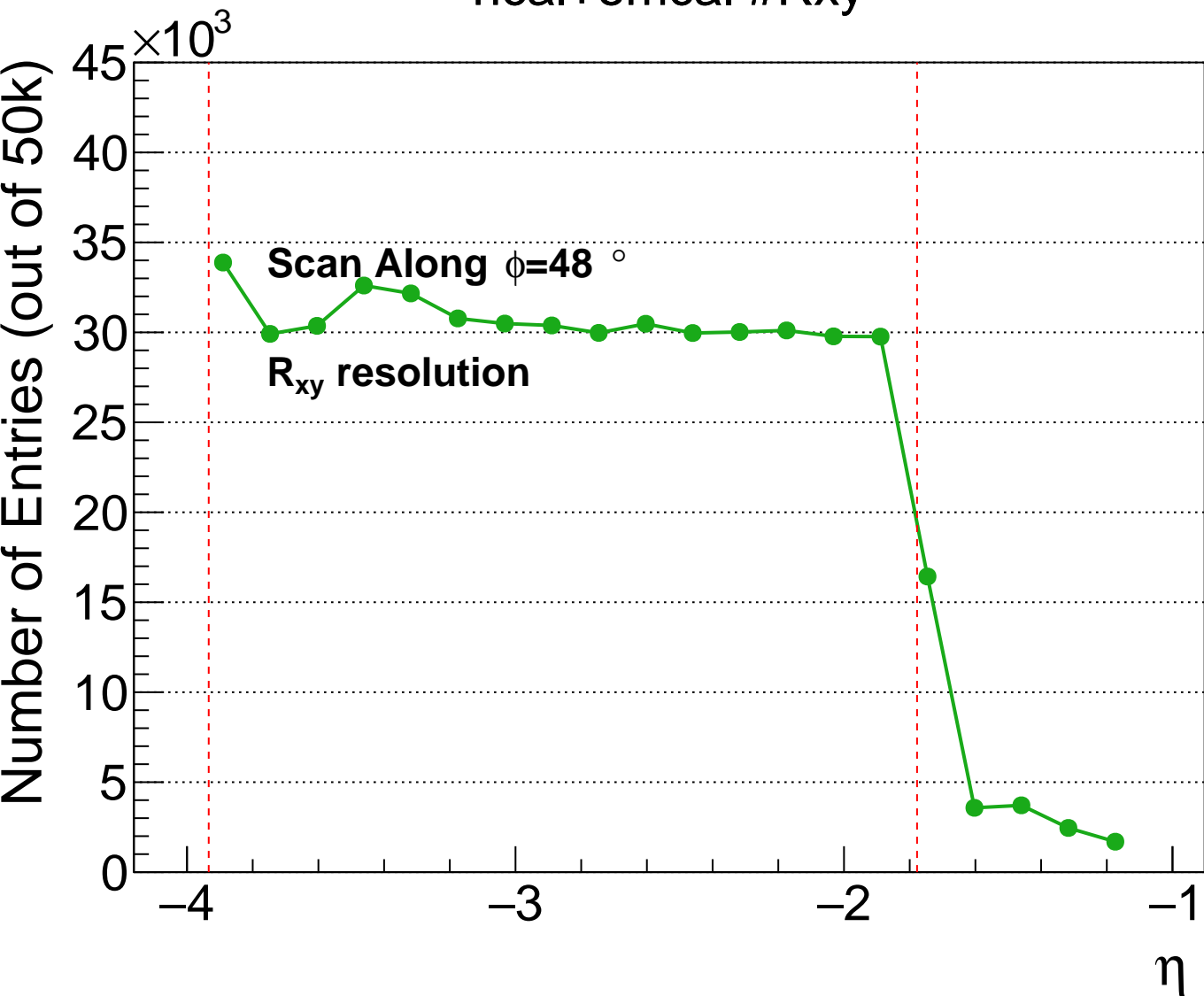




hcal+emcal #Rxy

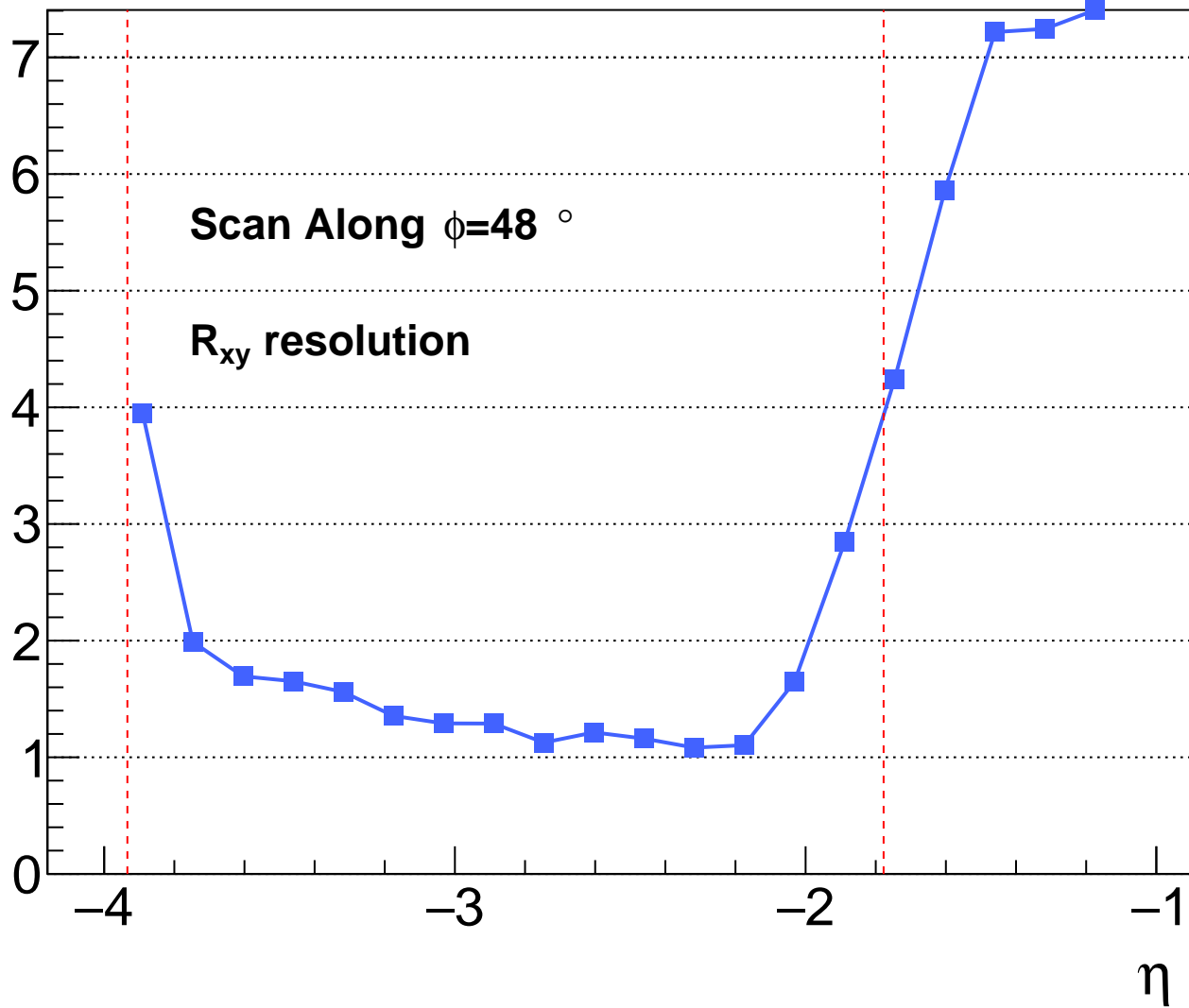


hcal+emcal #Rxy

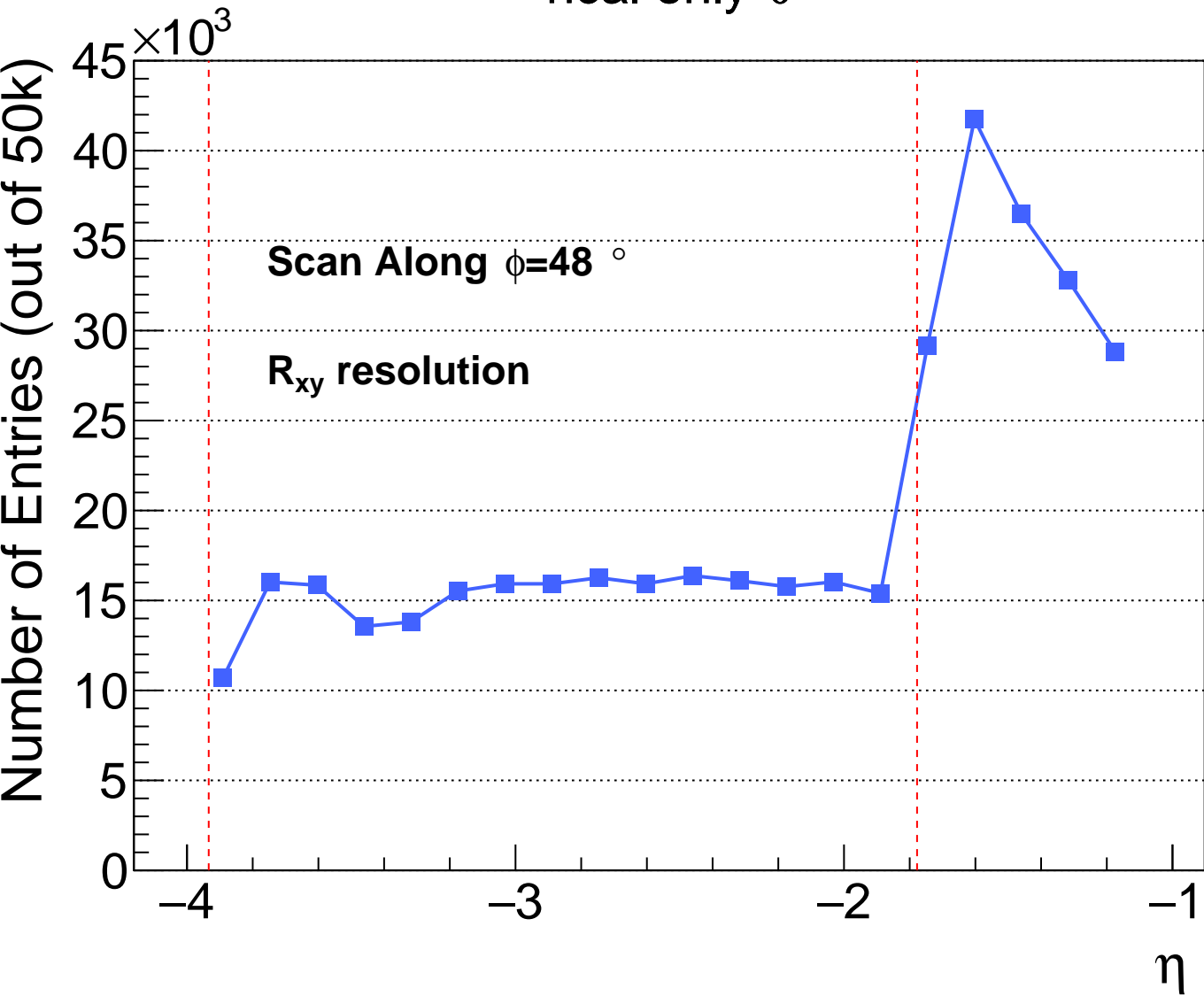


hcal only θ

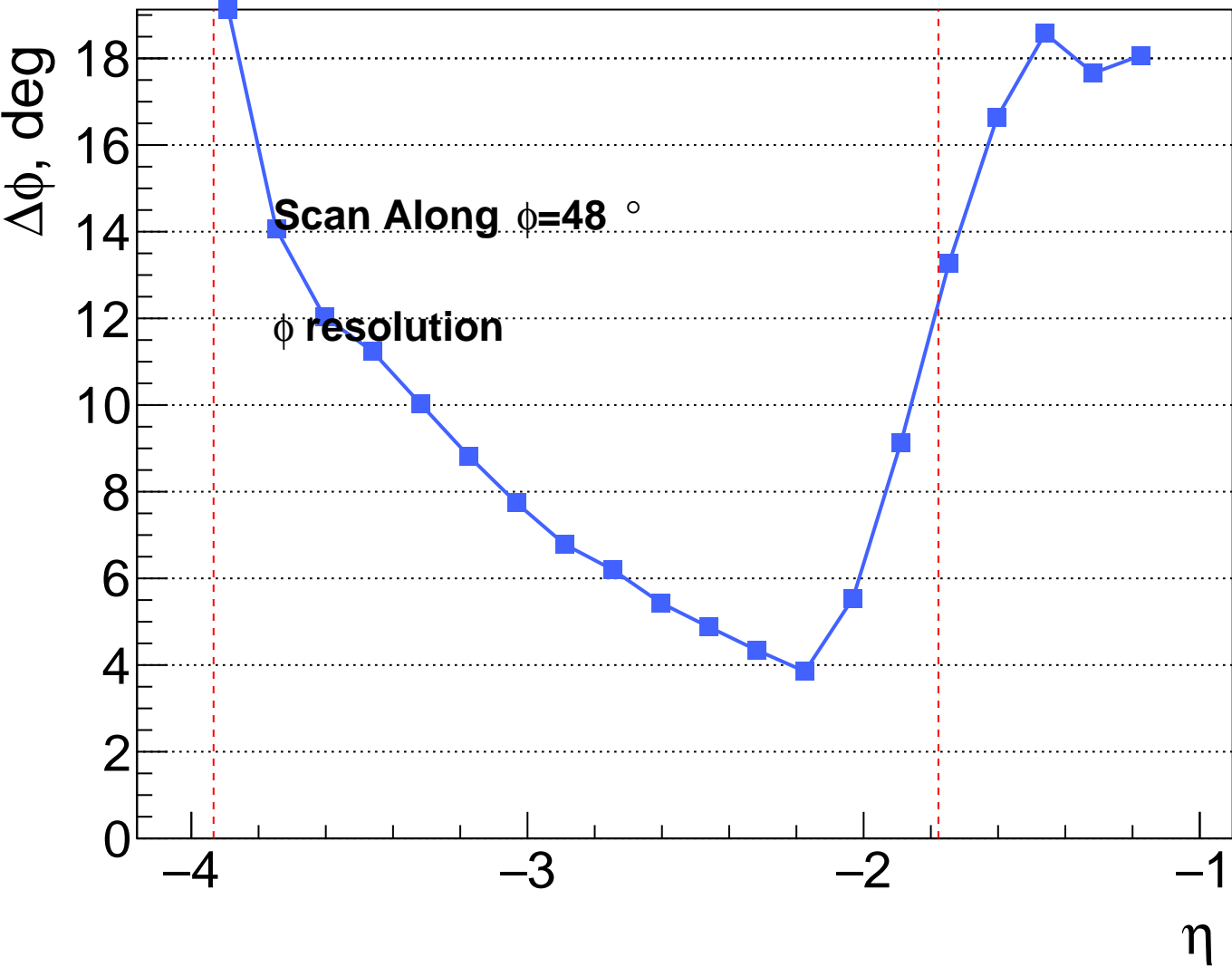
$\Delta\theta$, deg

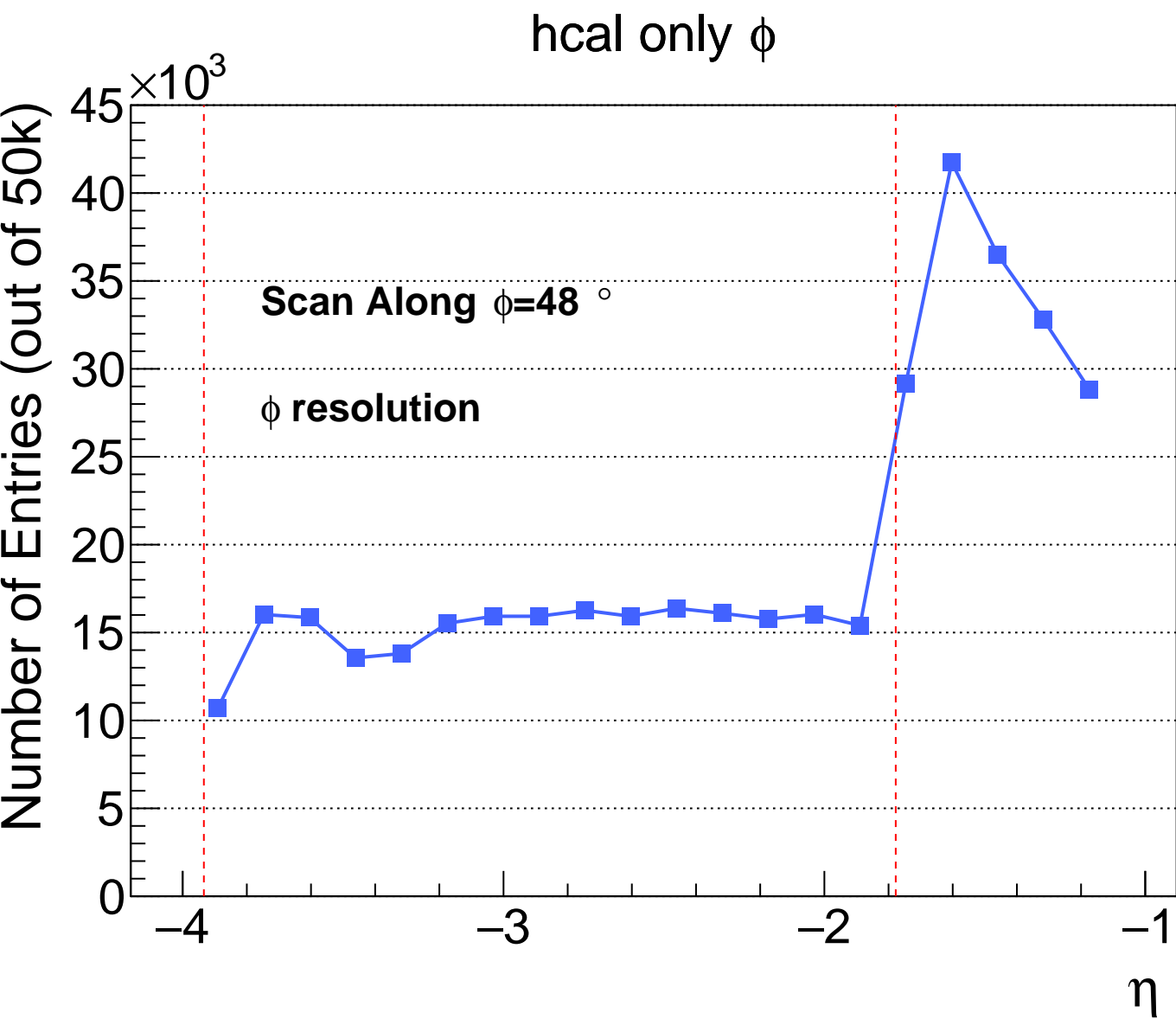


hcal only θ

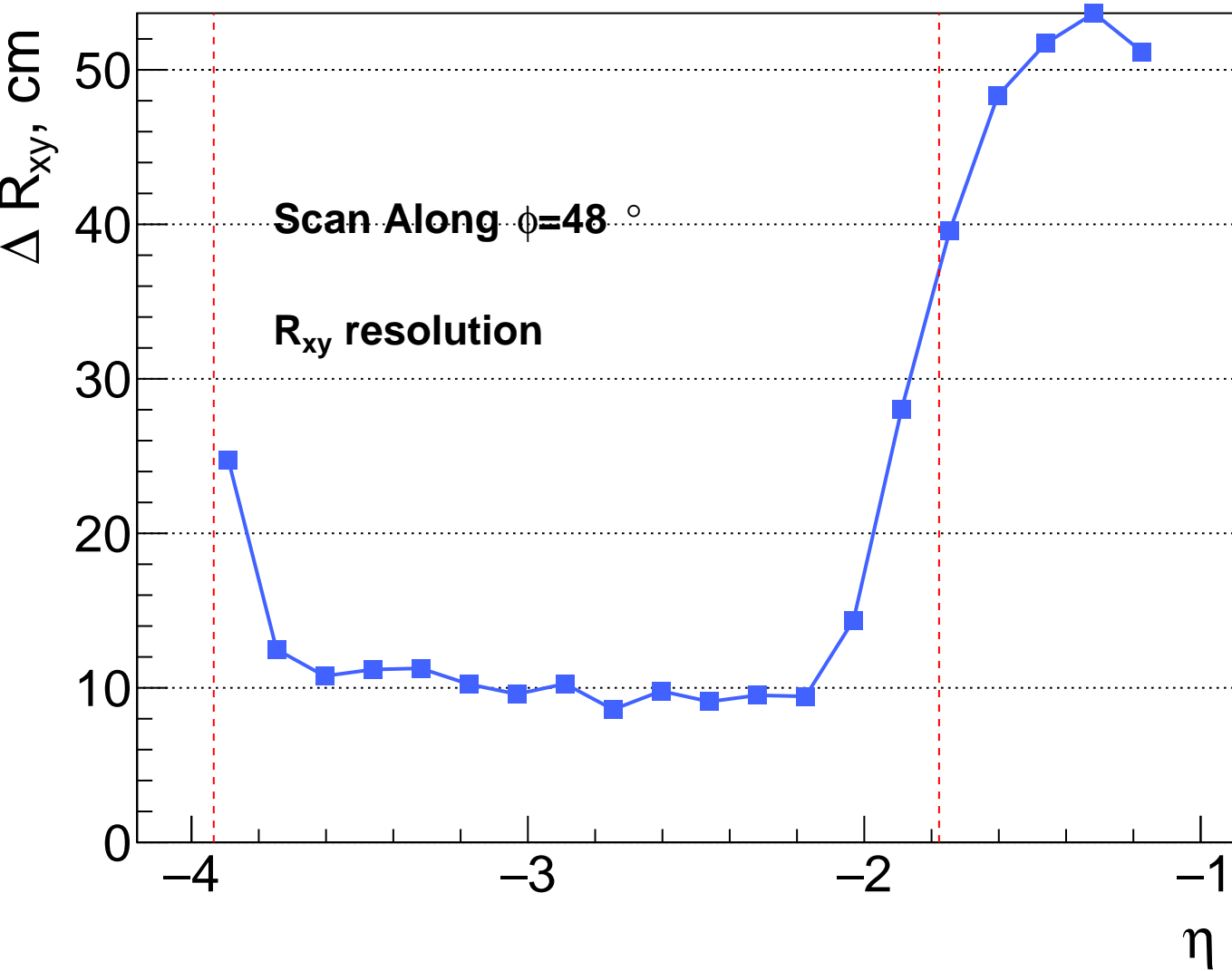


hcal only ϕ

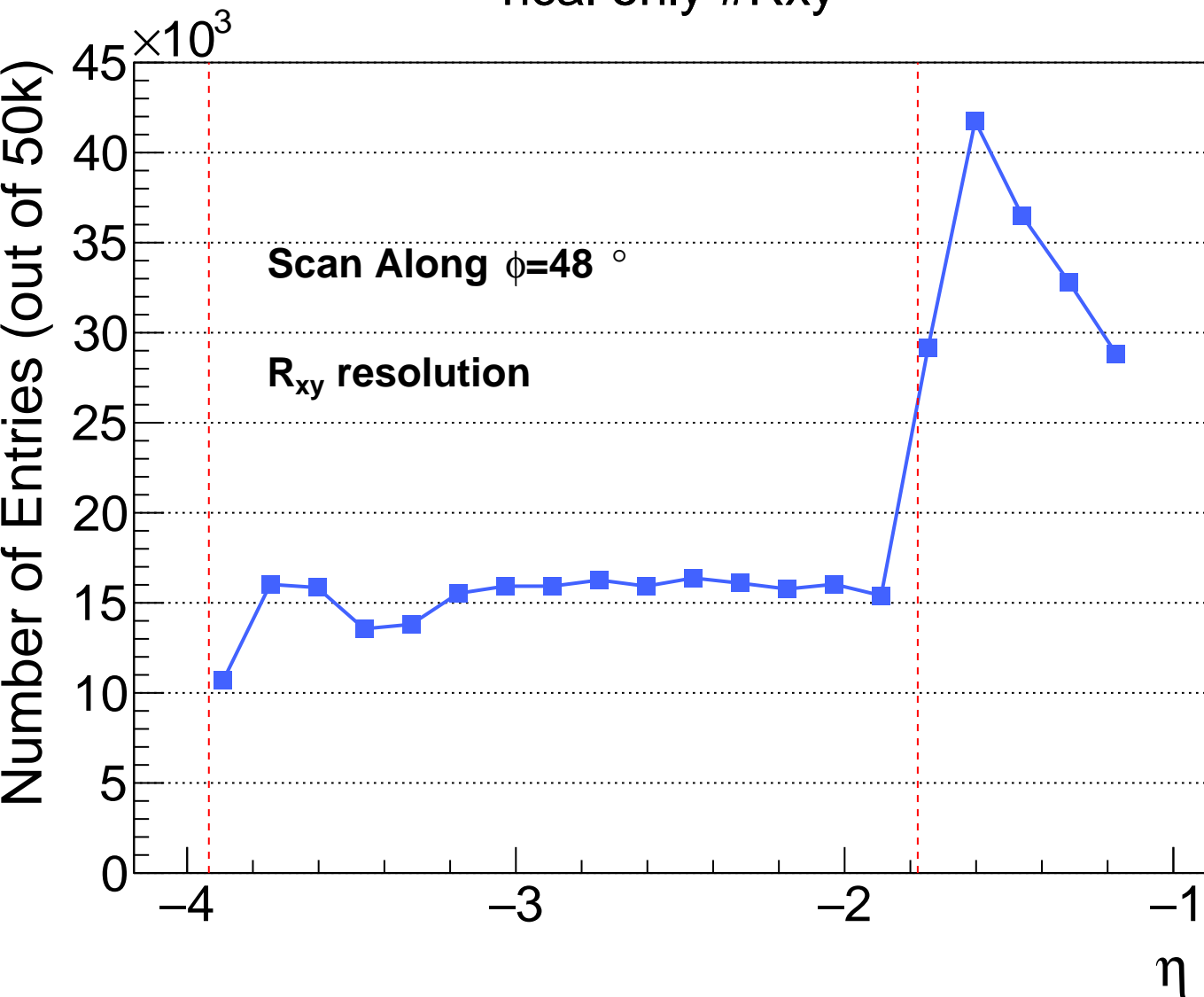




hcal only #Rxy



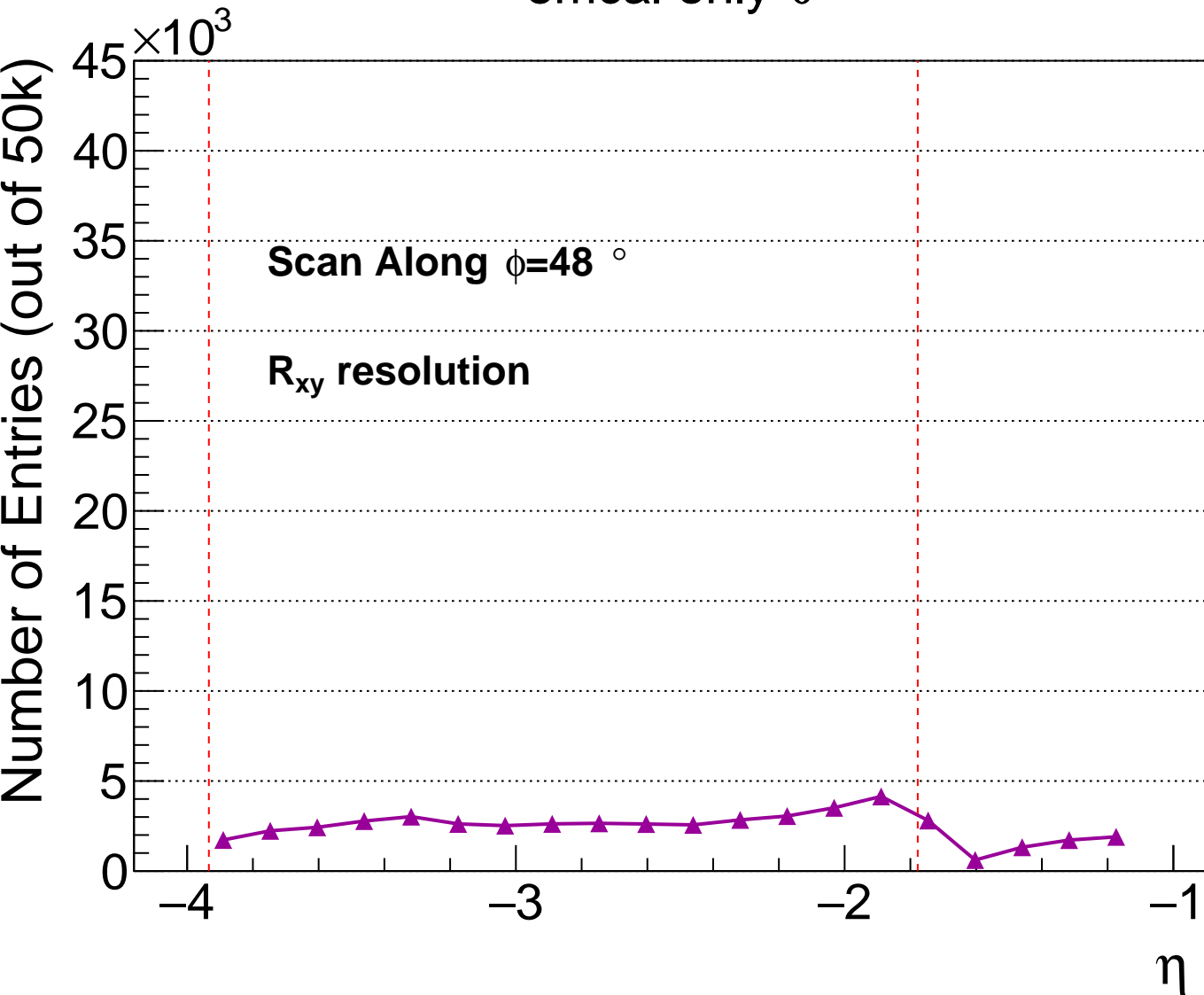
hcal only #Rxy



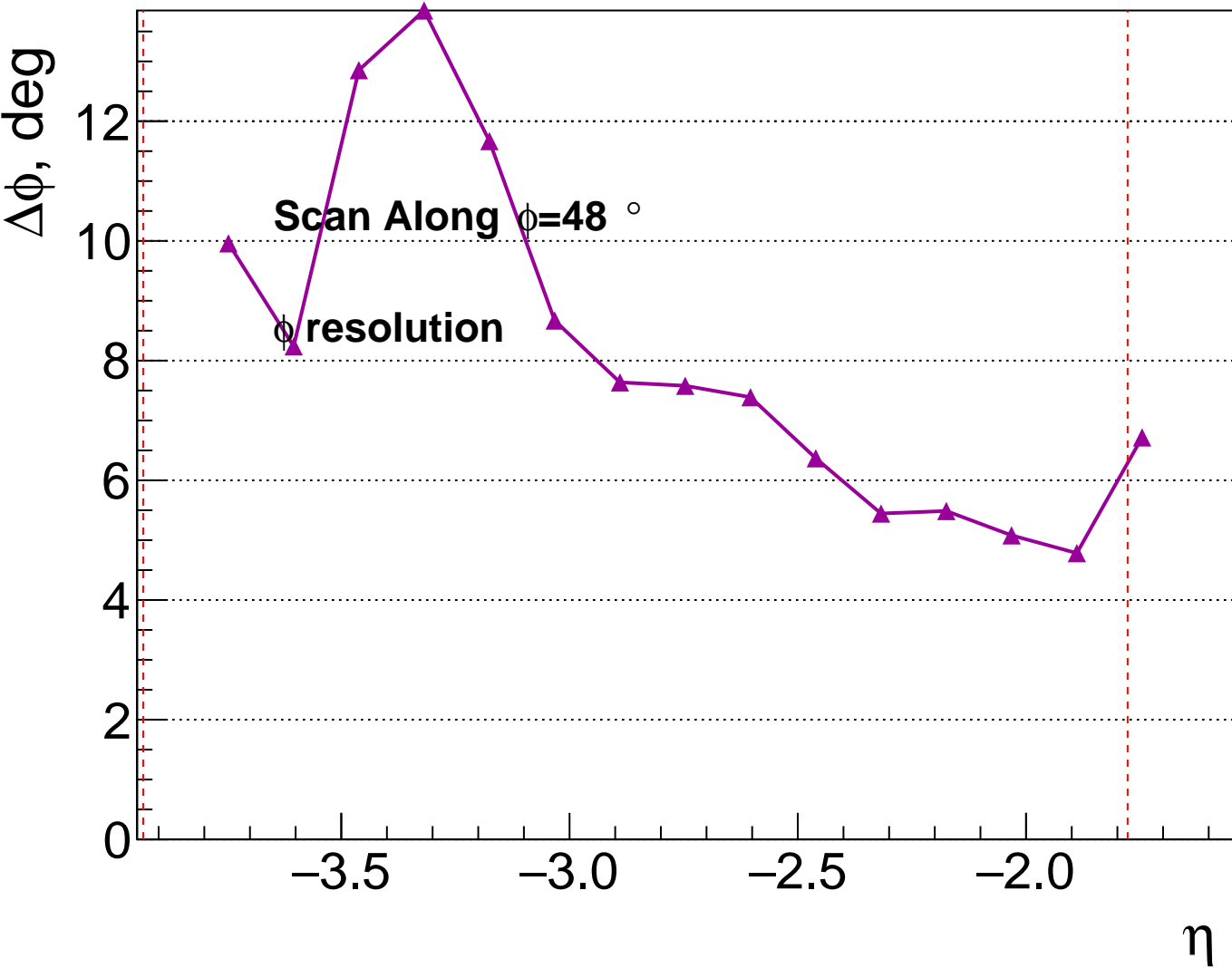
emcal only θ



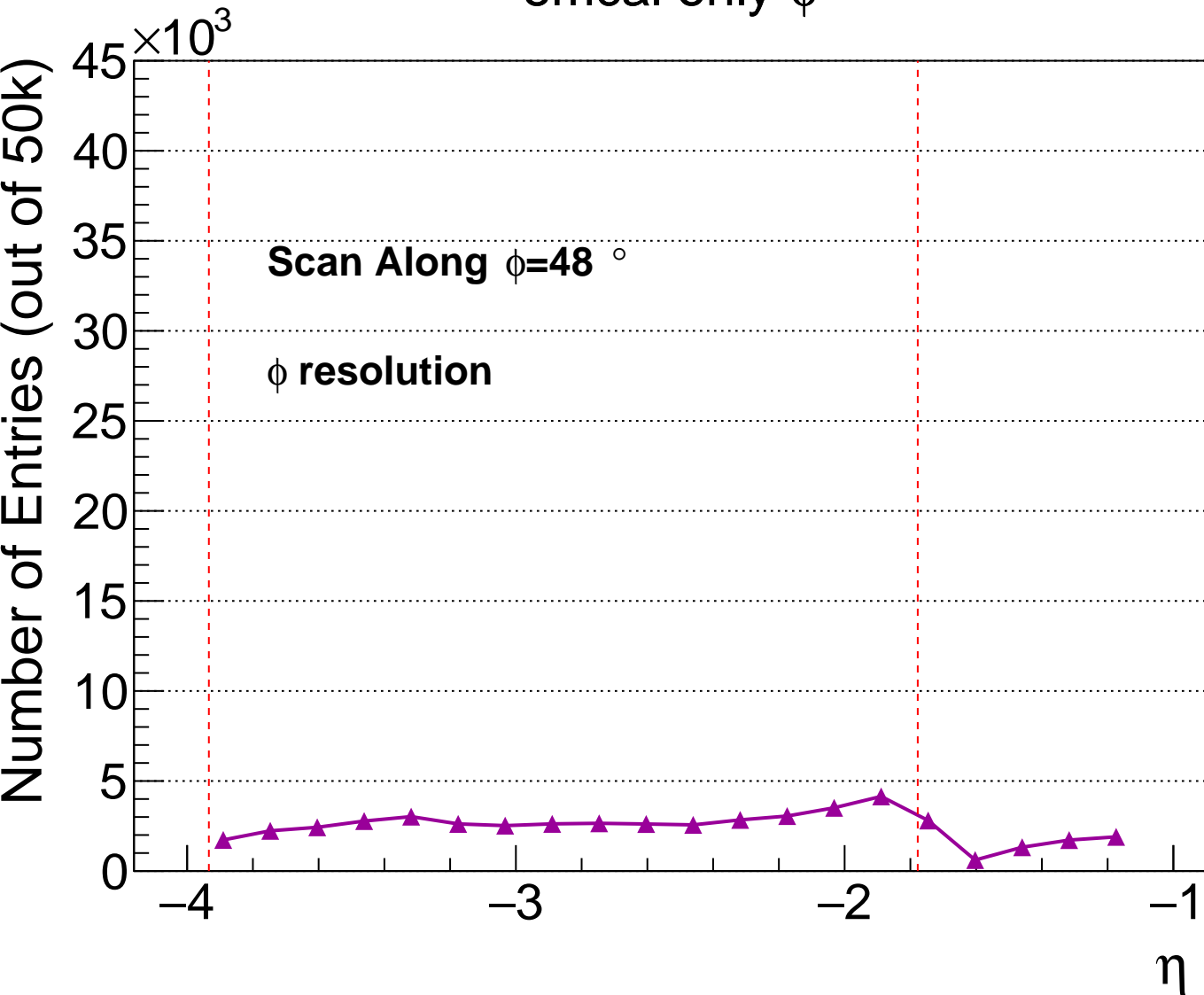
emcal only θ



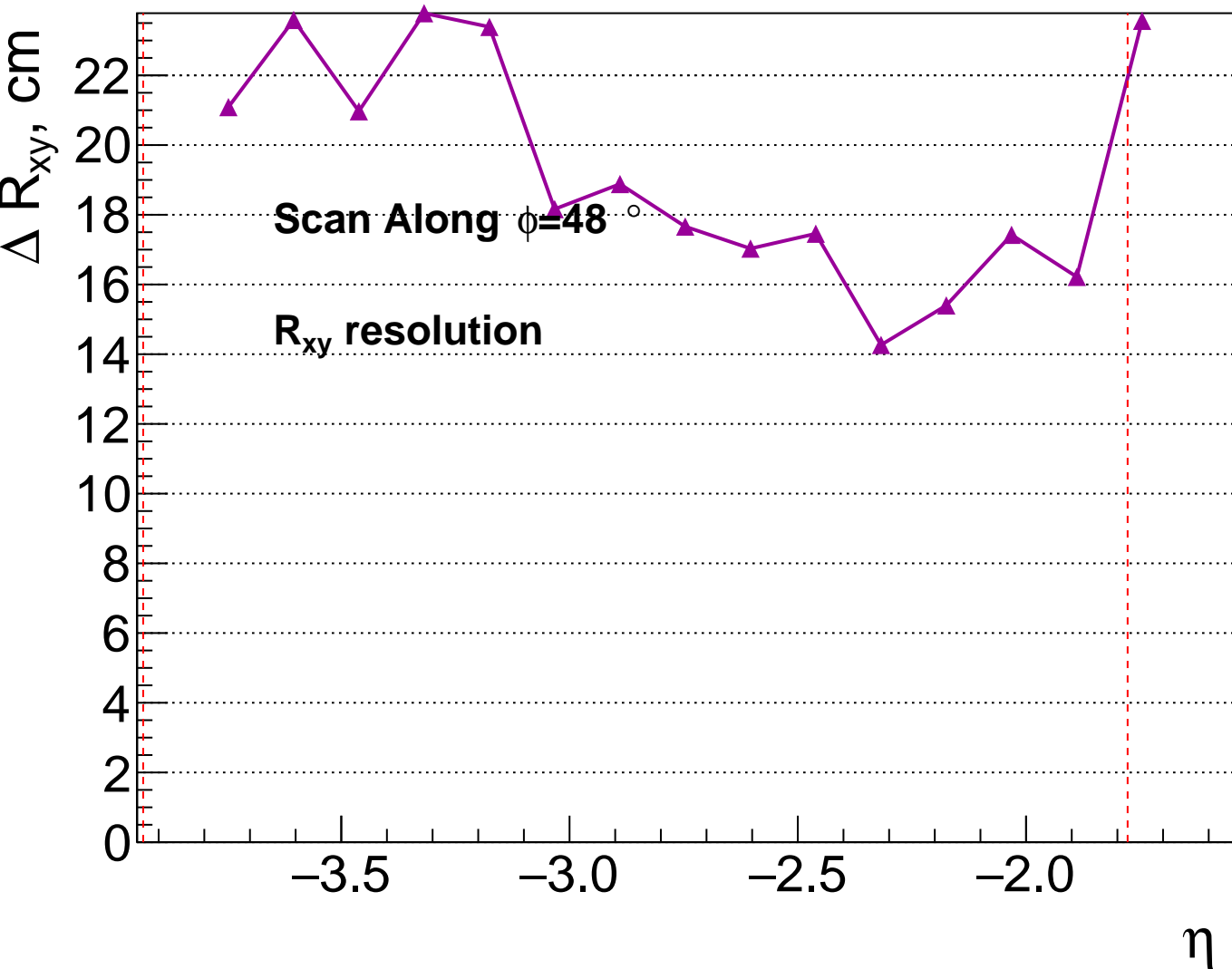
emcal only ϕ



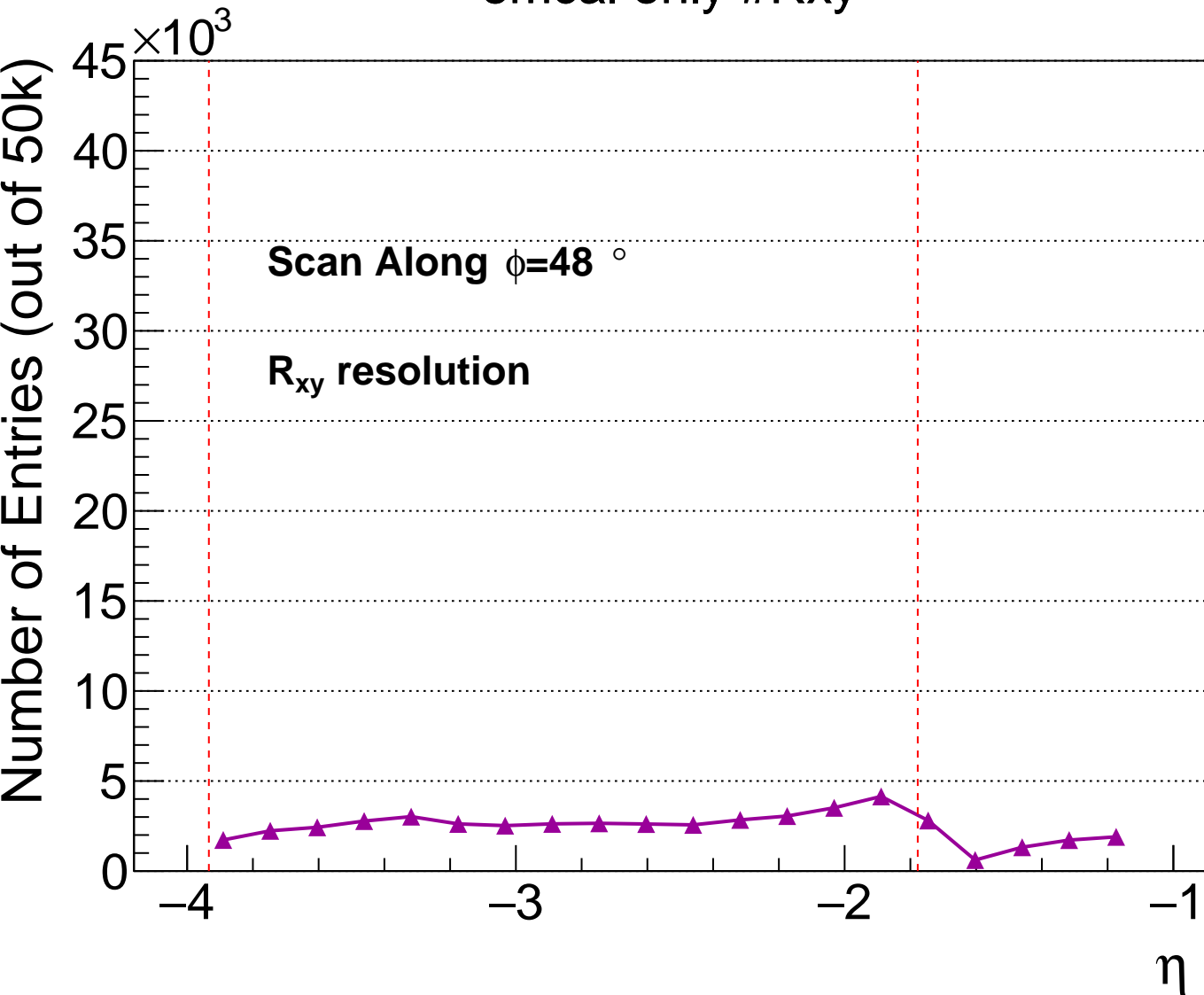
emcal only ϕ



emcal only #Rxy

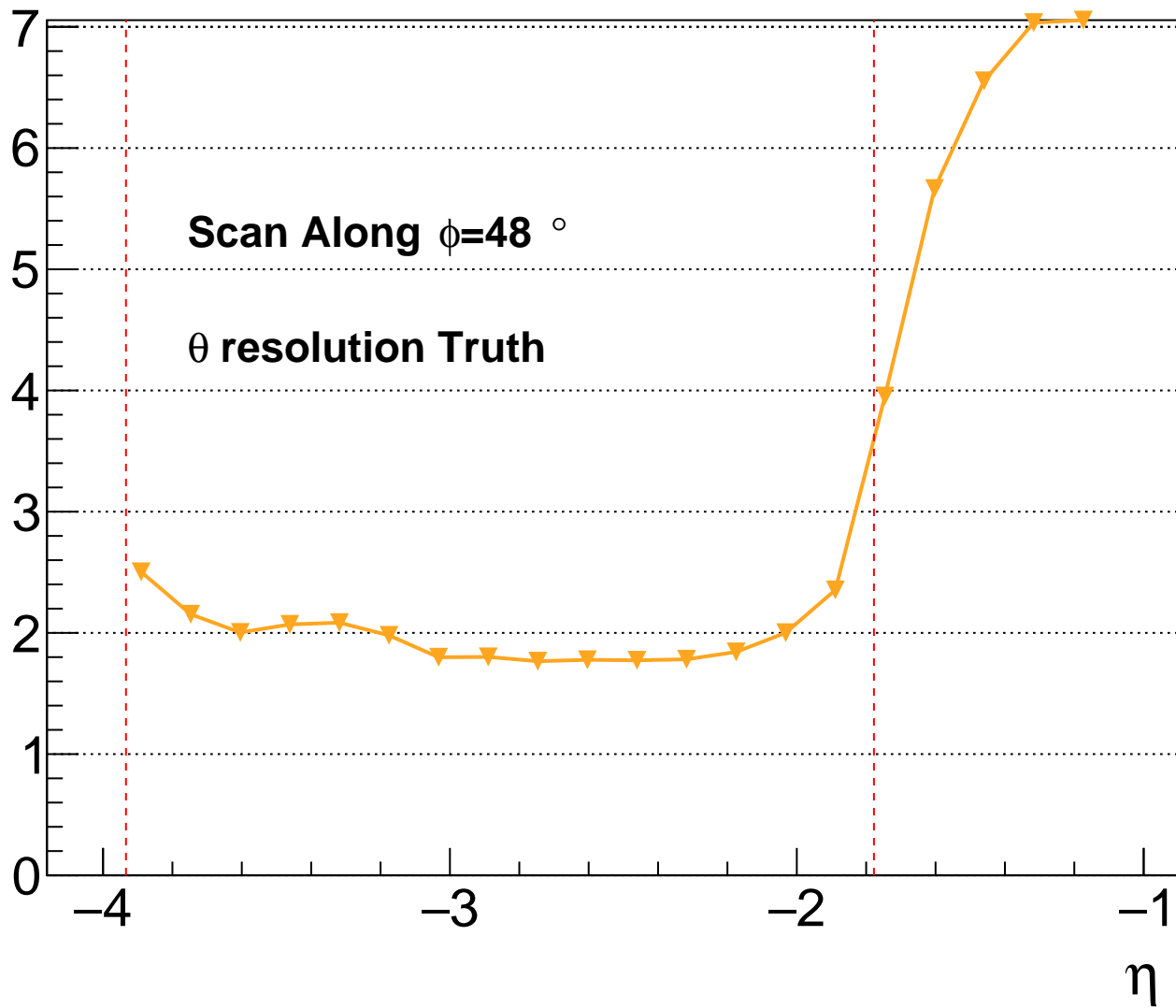


emcal only #Rxy

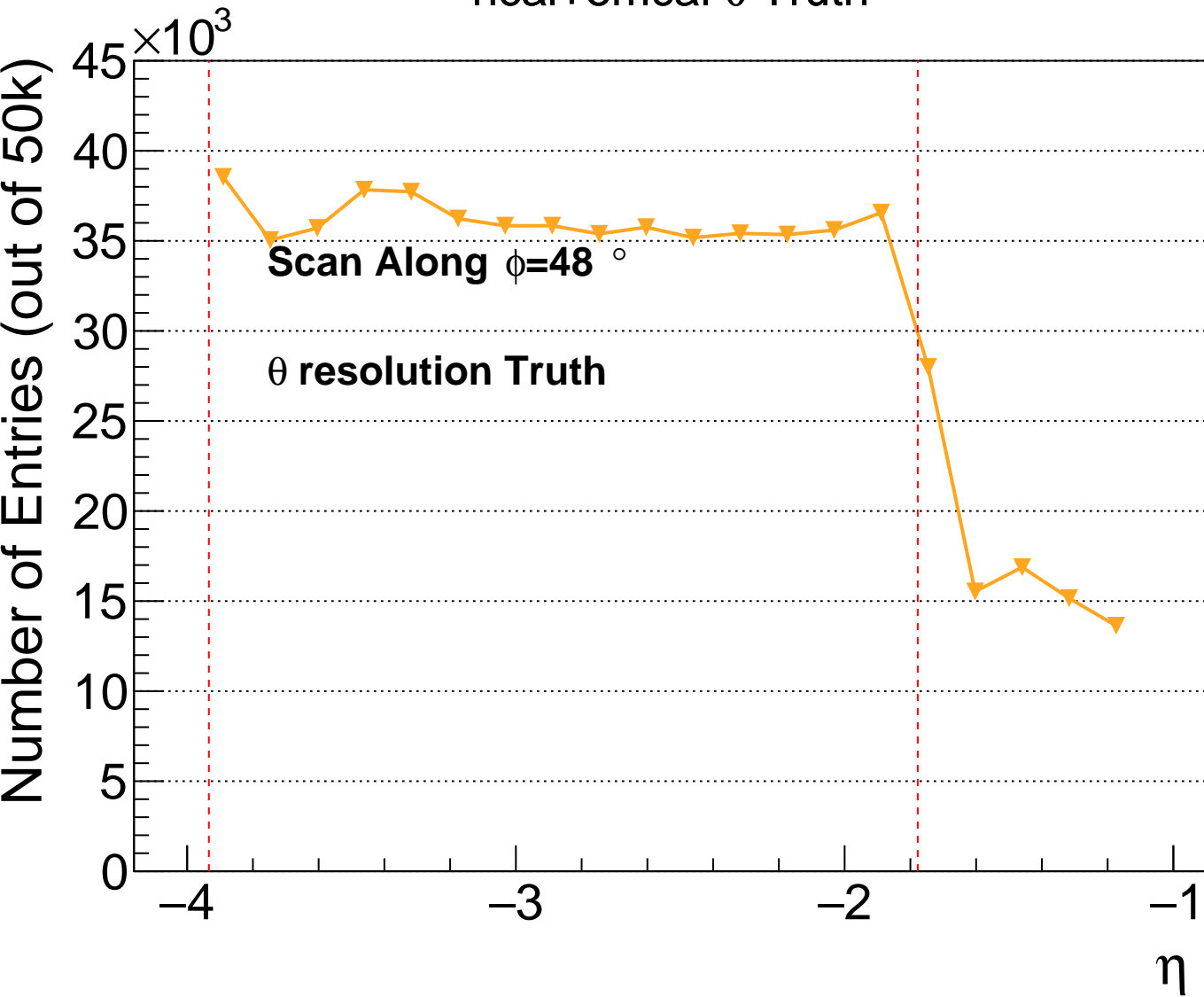


hcal+emcal θ Truth

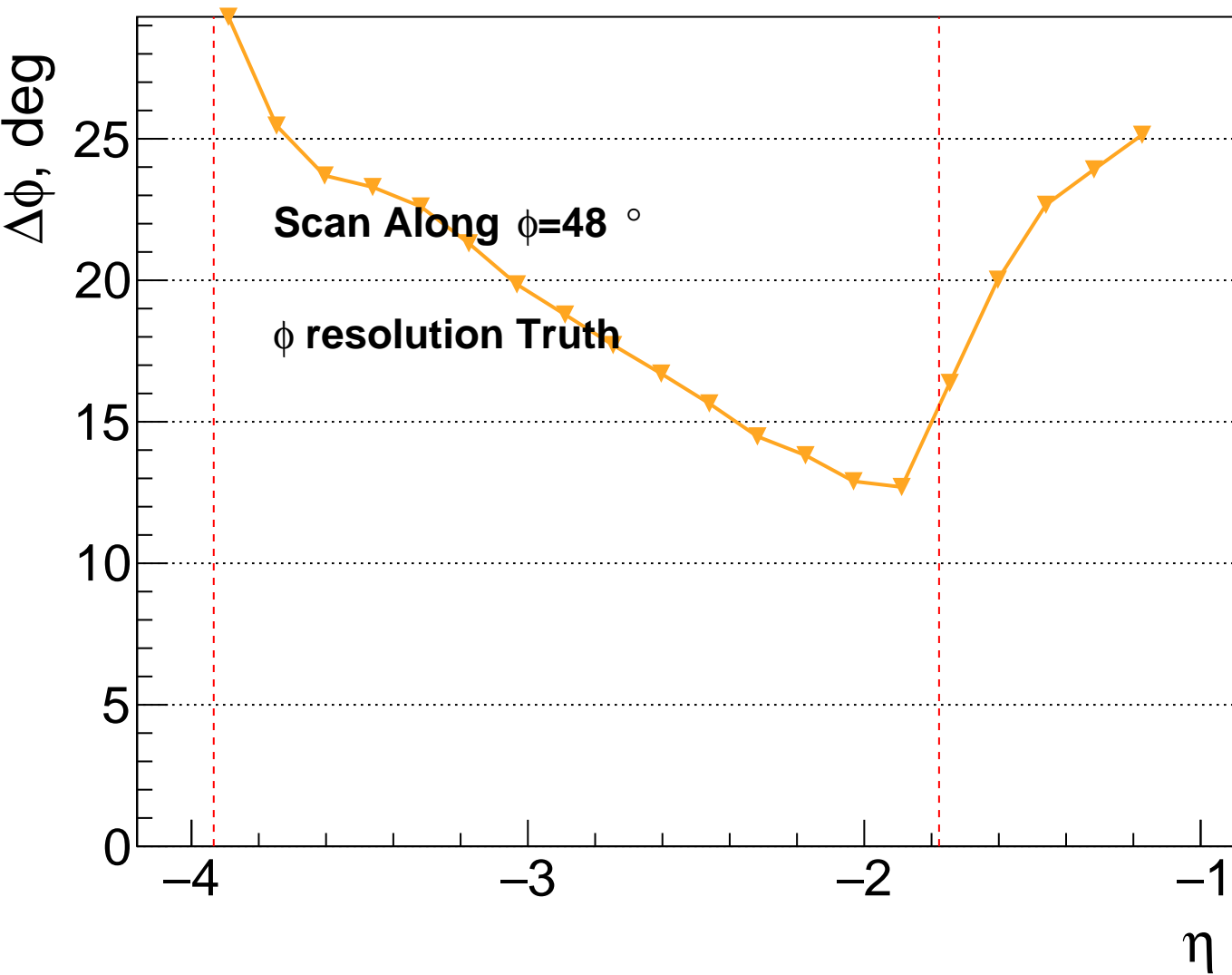
$\Delta\theta$, deg



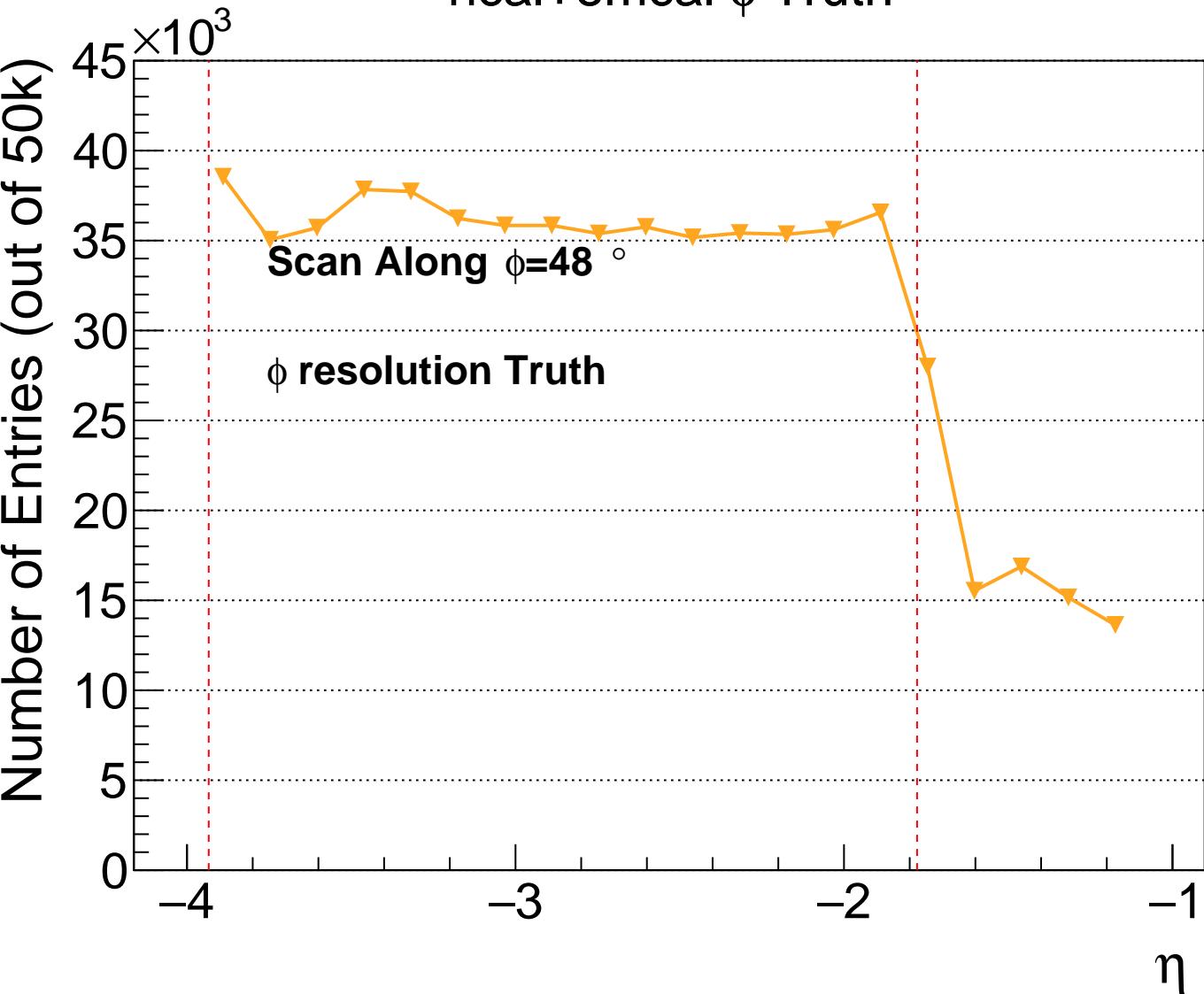
hcal+emcal θ Truth



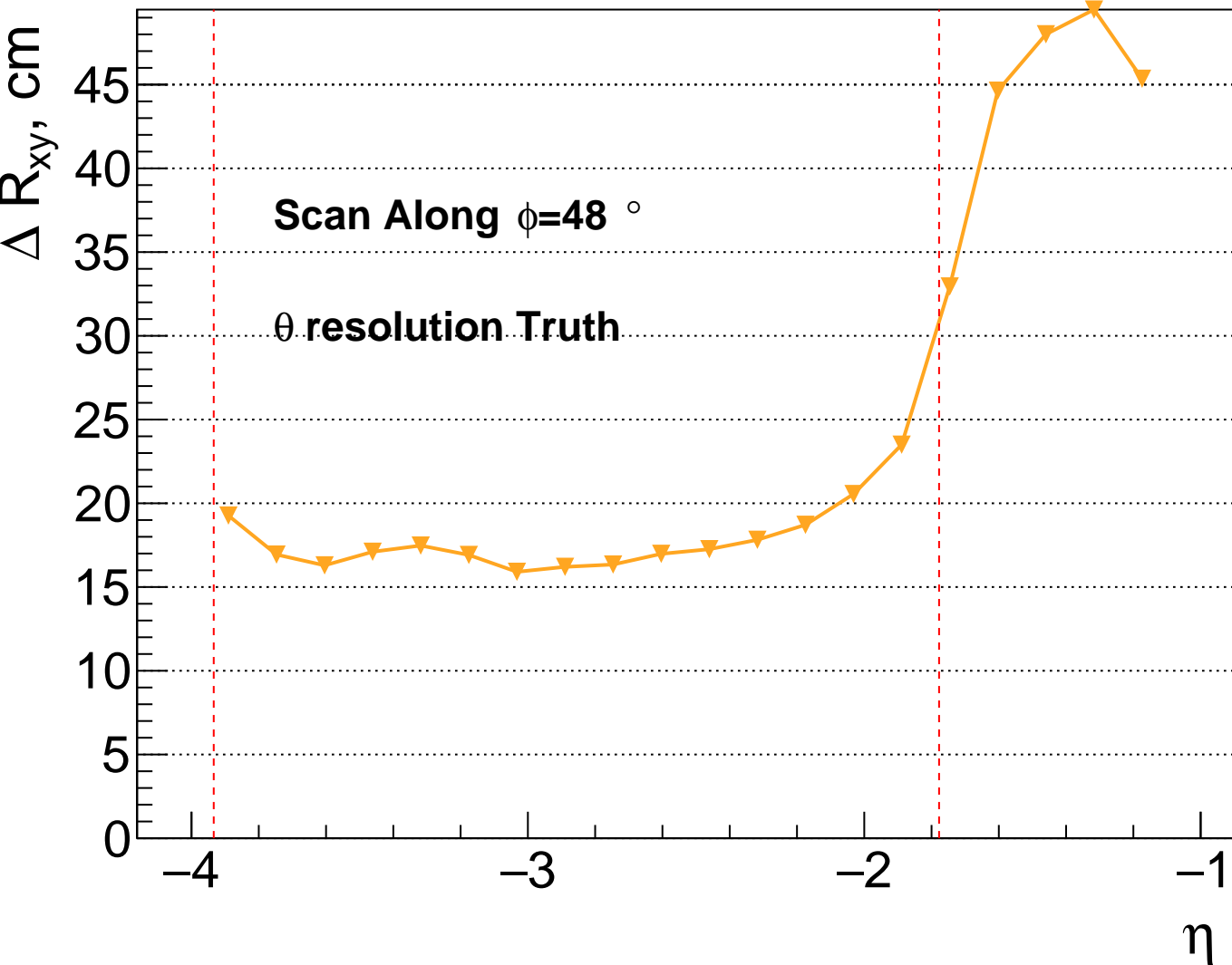
hcal+emcal ϕ Truth



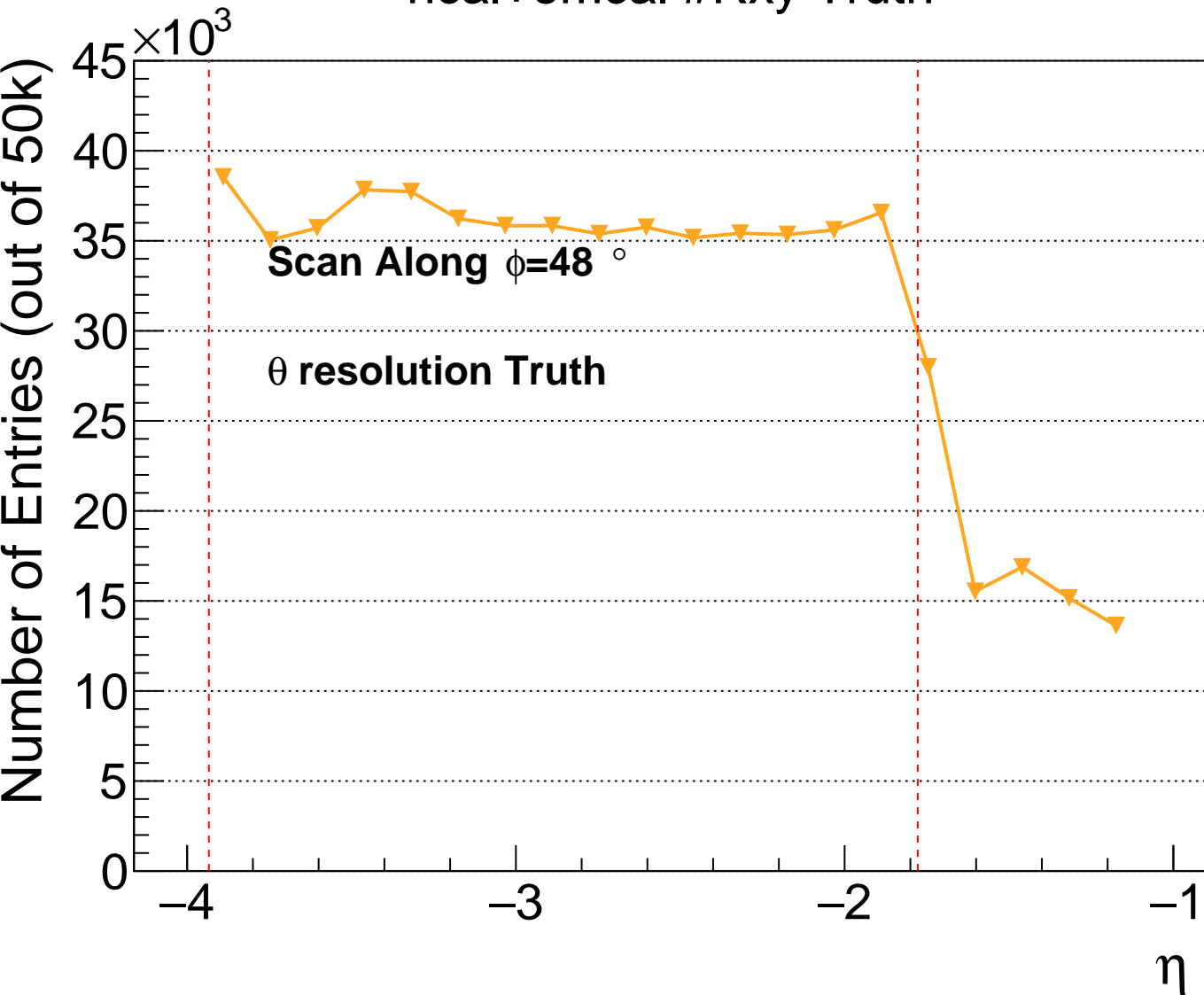
hcal+emcal ϕ Truth



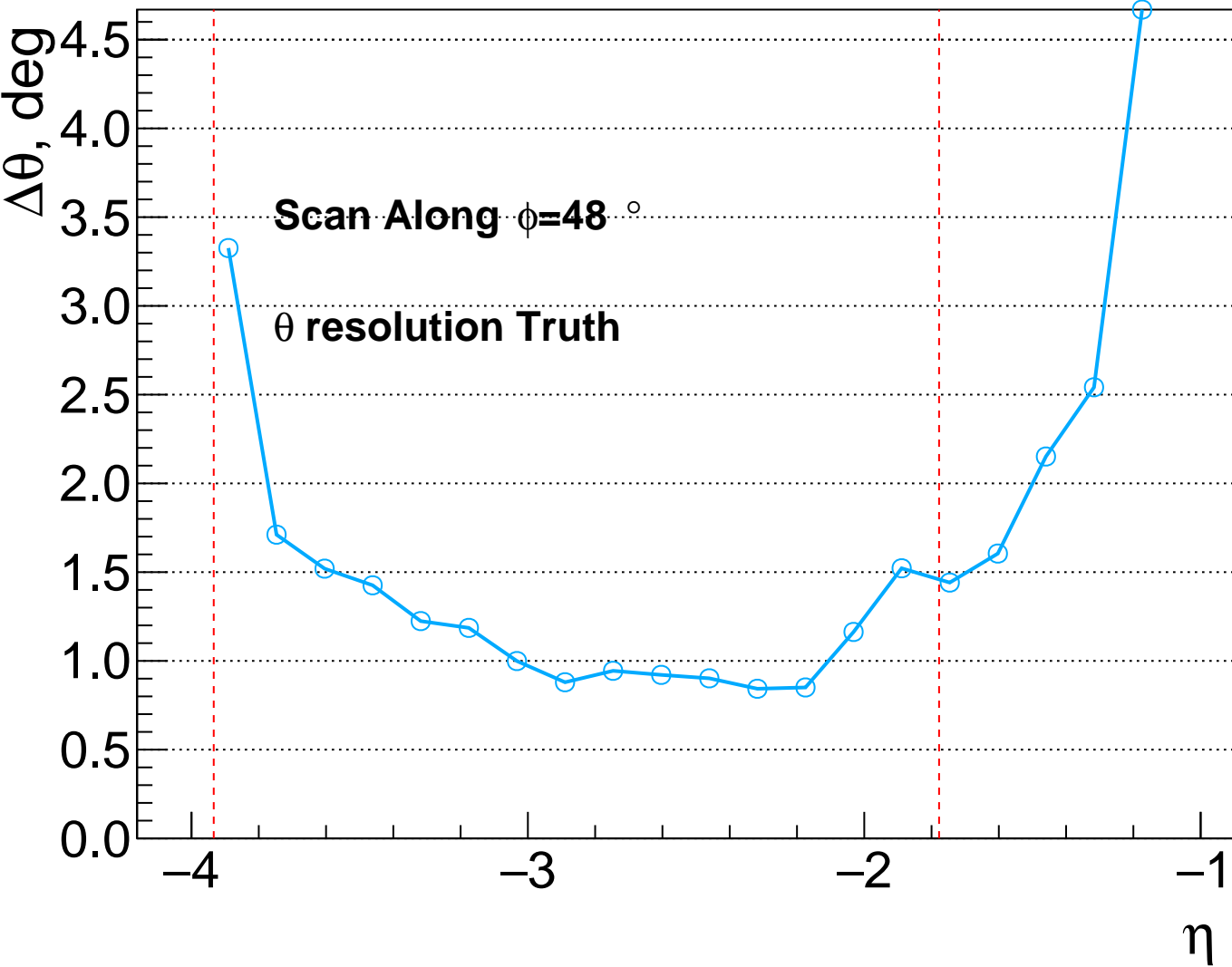
hcal+emcal #Rxy Truth



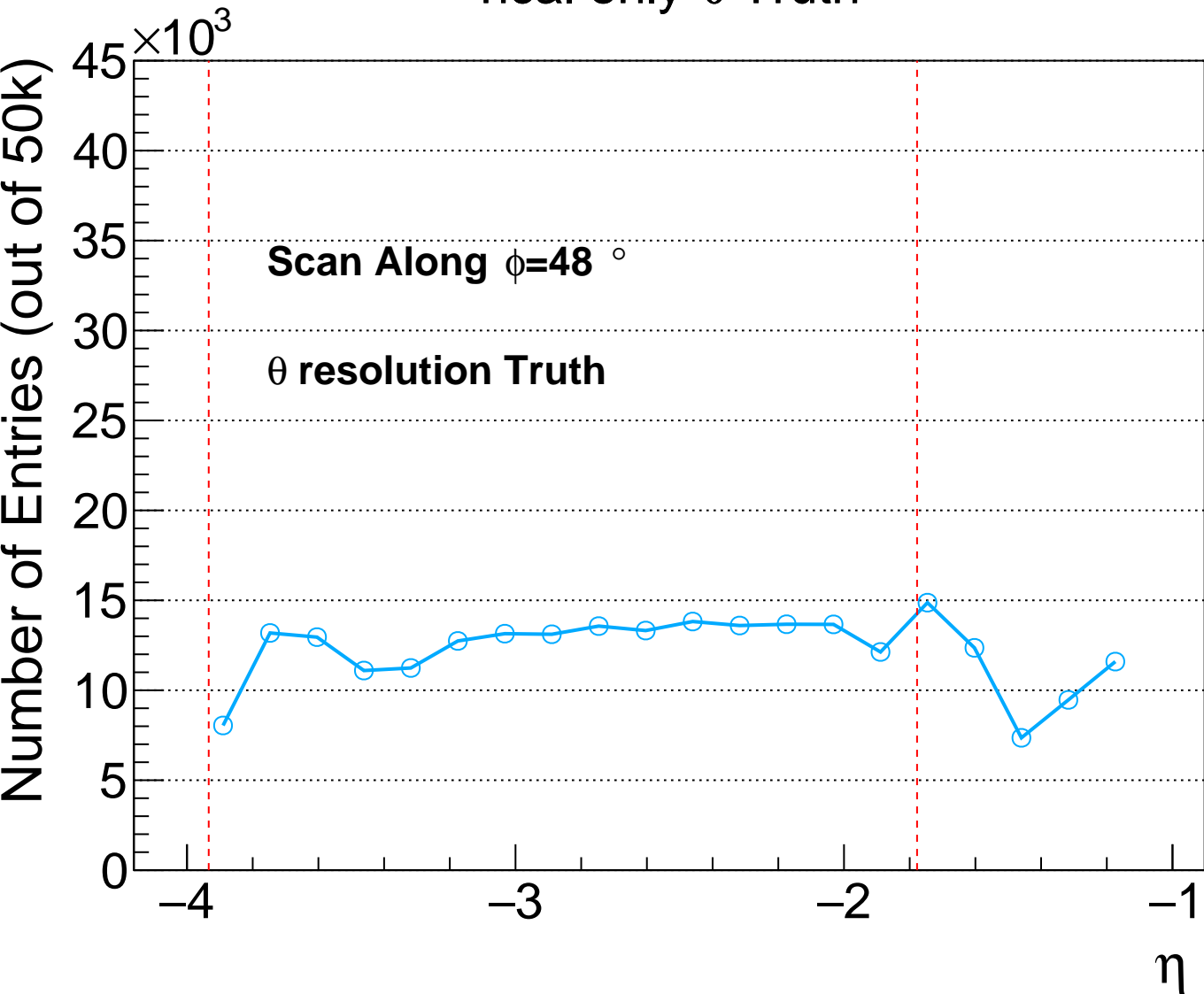
hcal+emcal #Rxy Truth



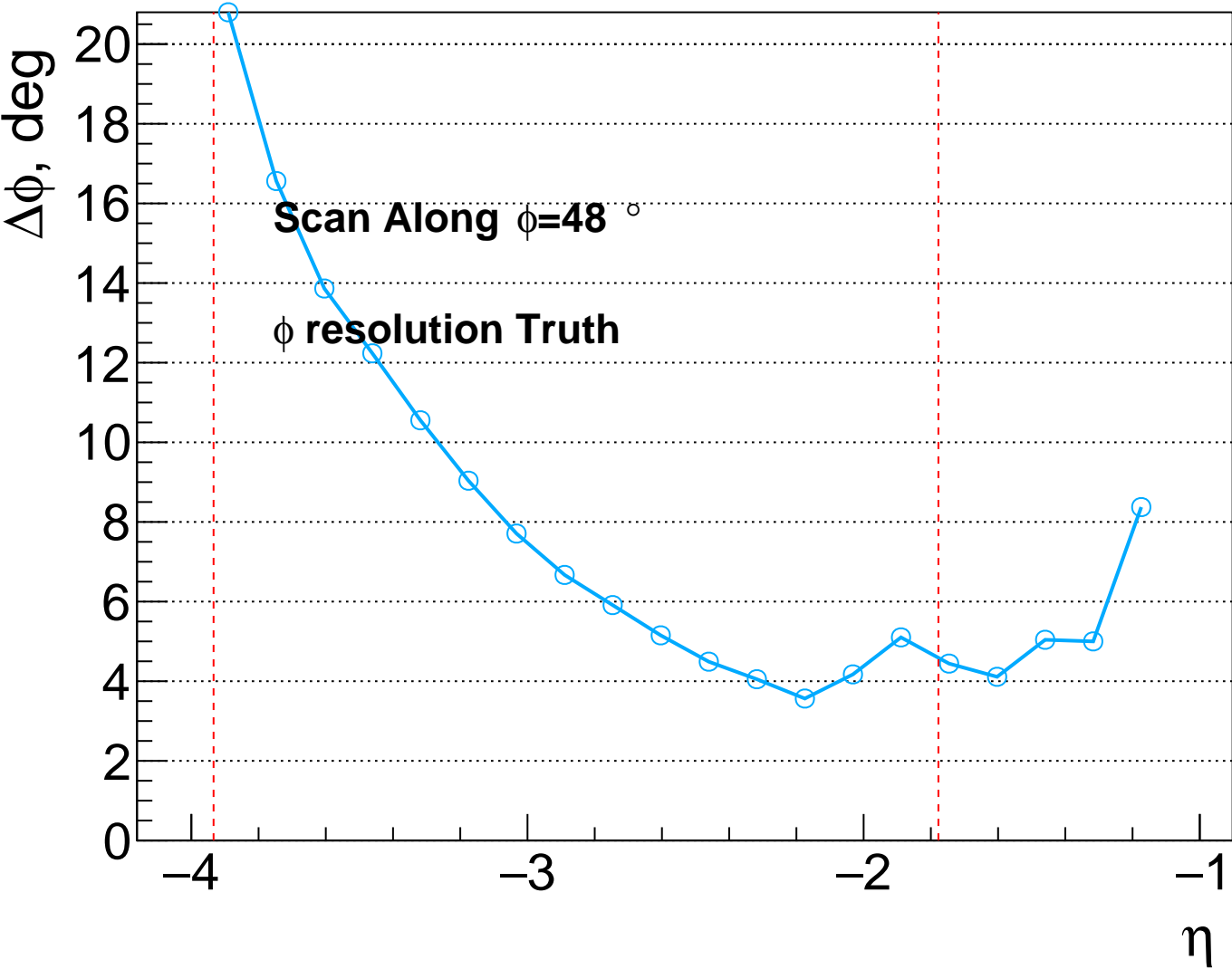
hcal only θ Truth



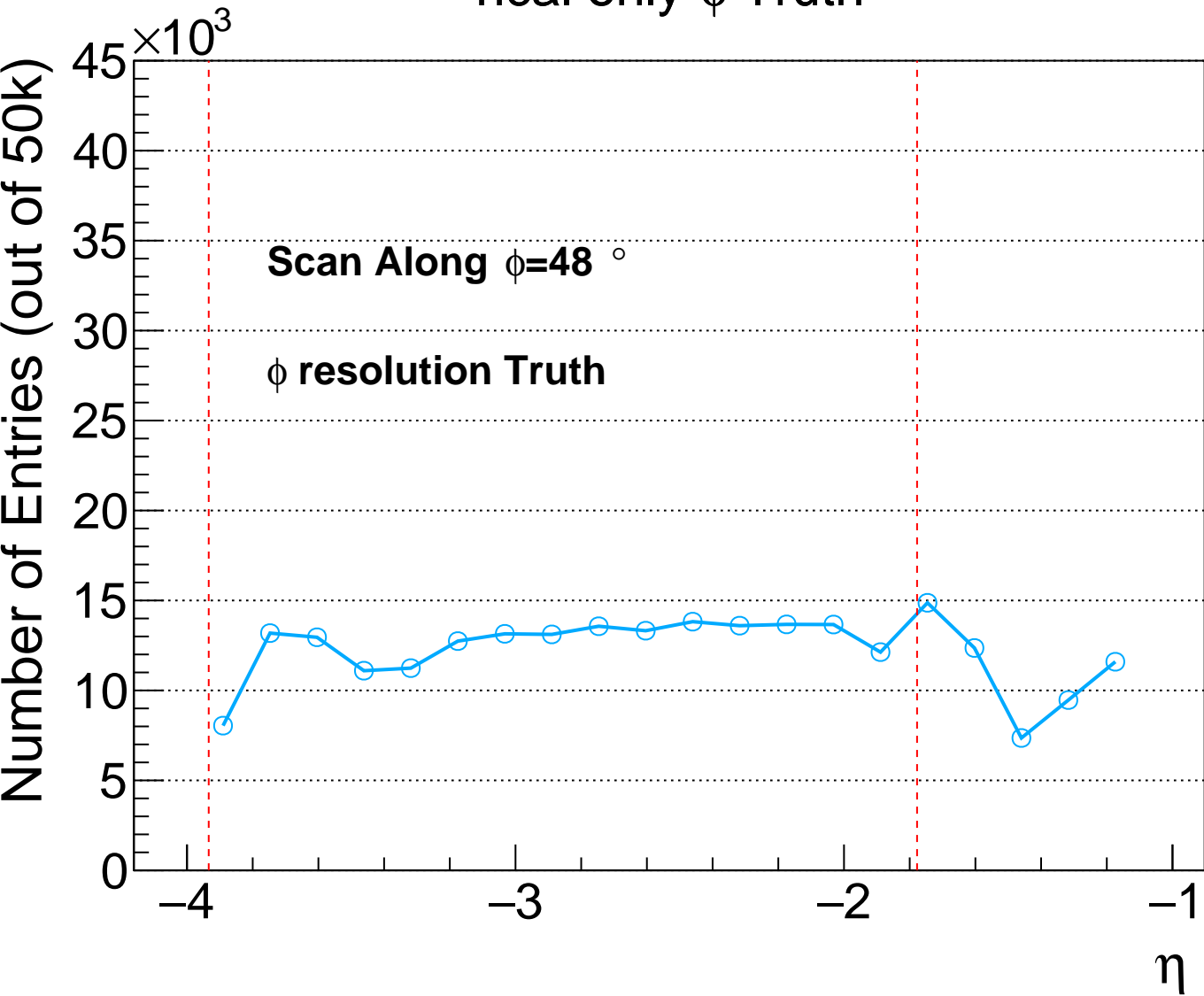
hcal only θ Truth



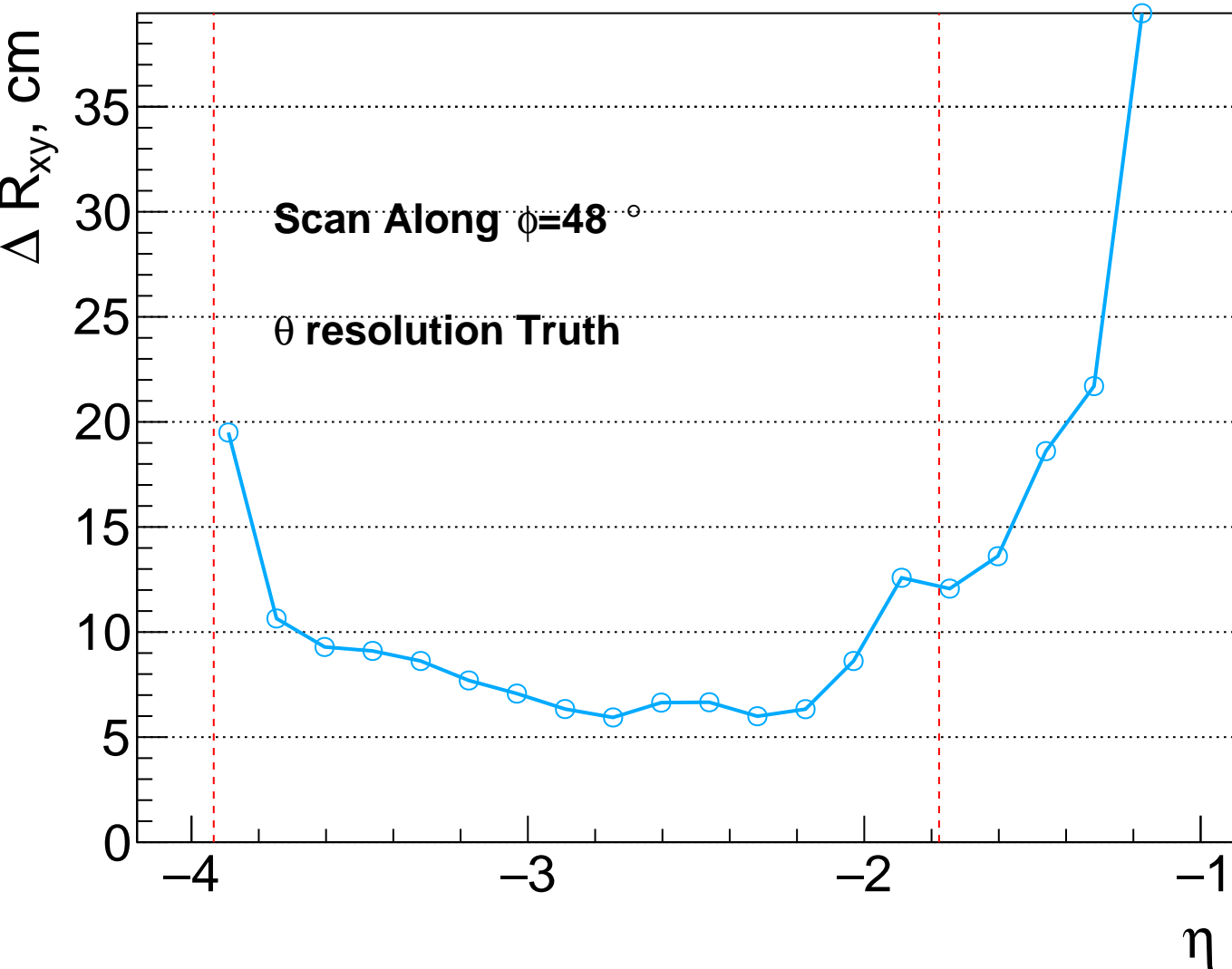
hcal only ϕ Truth



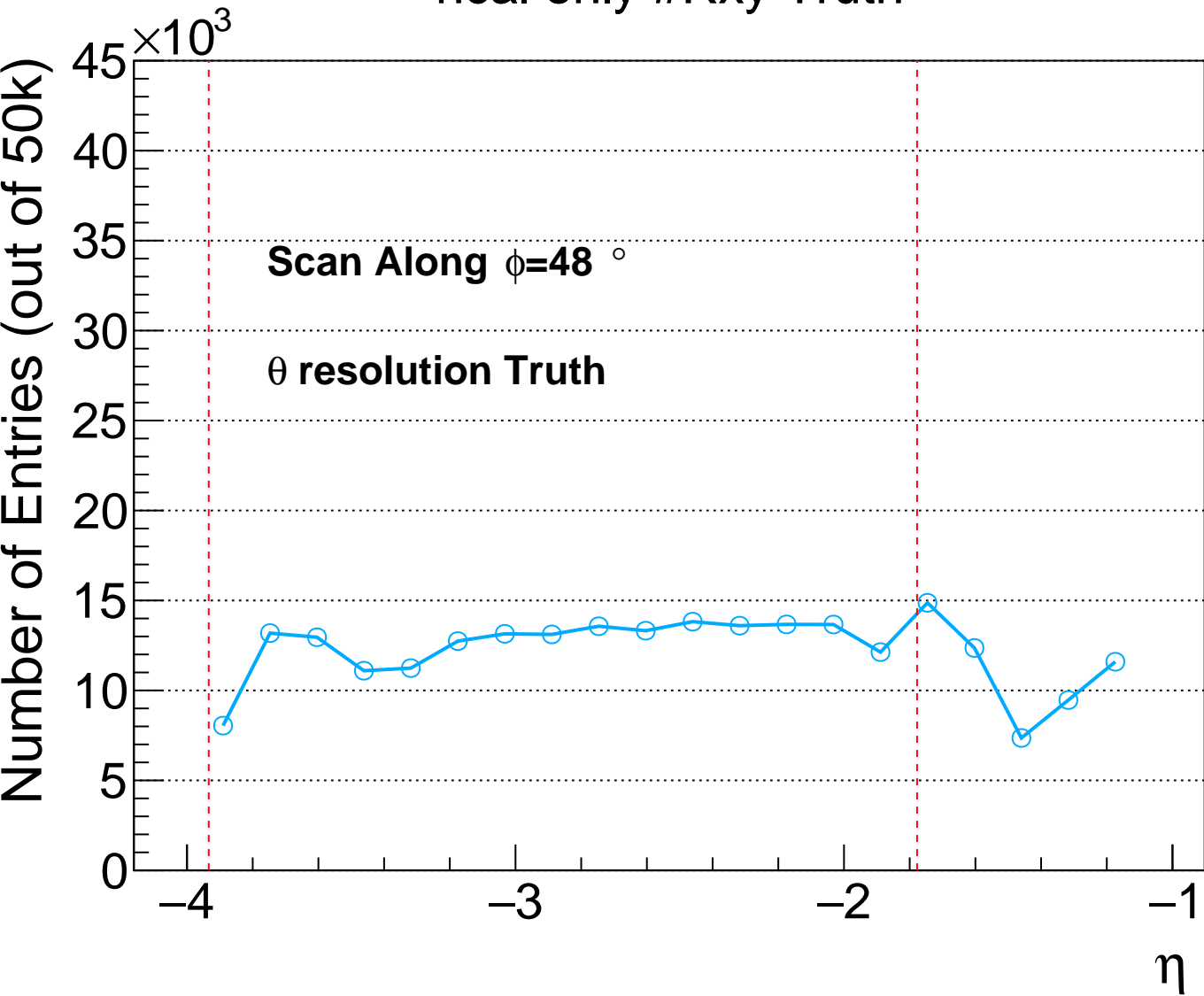
hcal only ϕ Truth



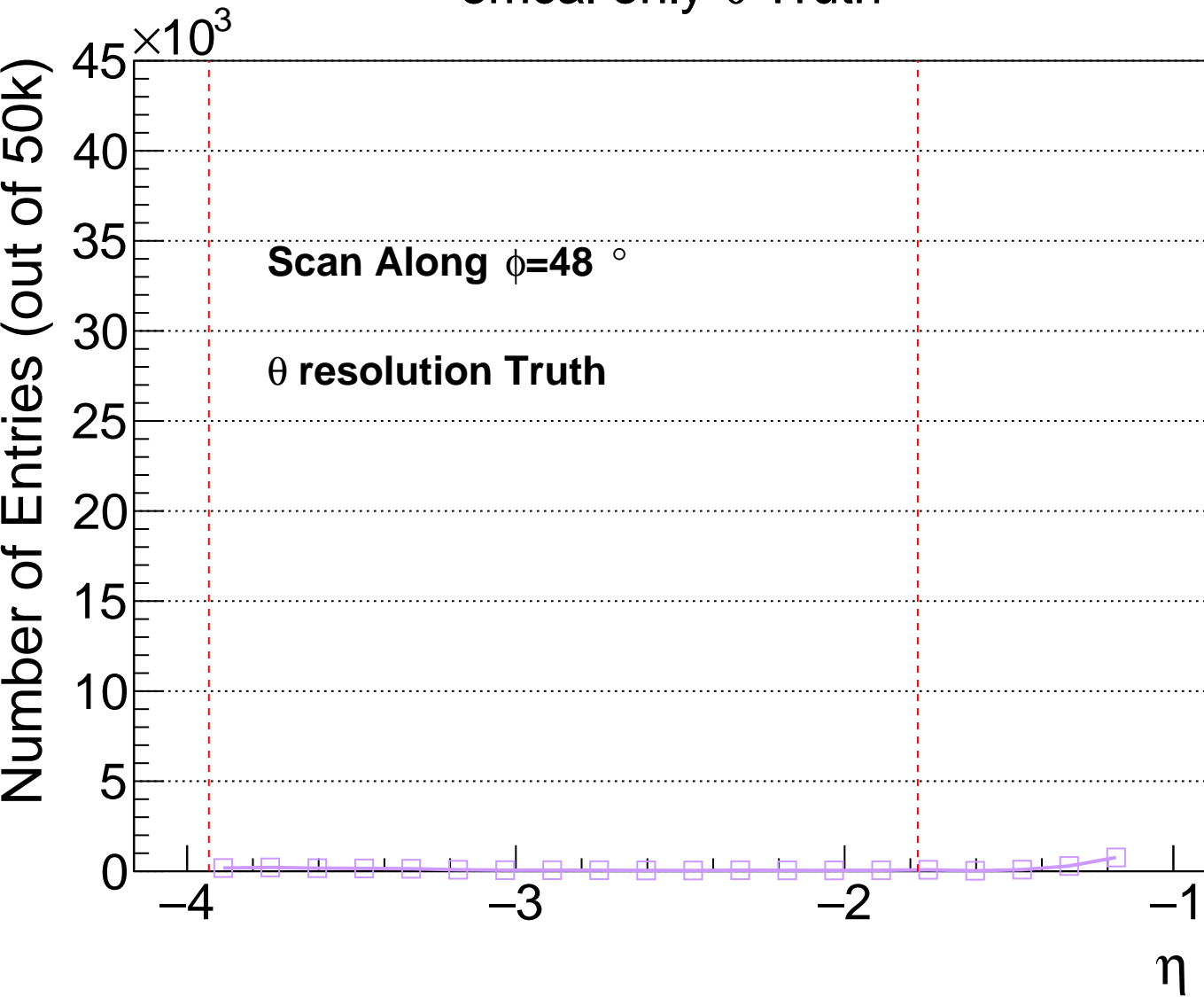
hcal only #Rxy Truth



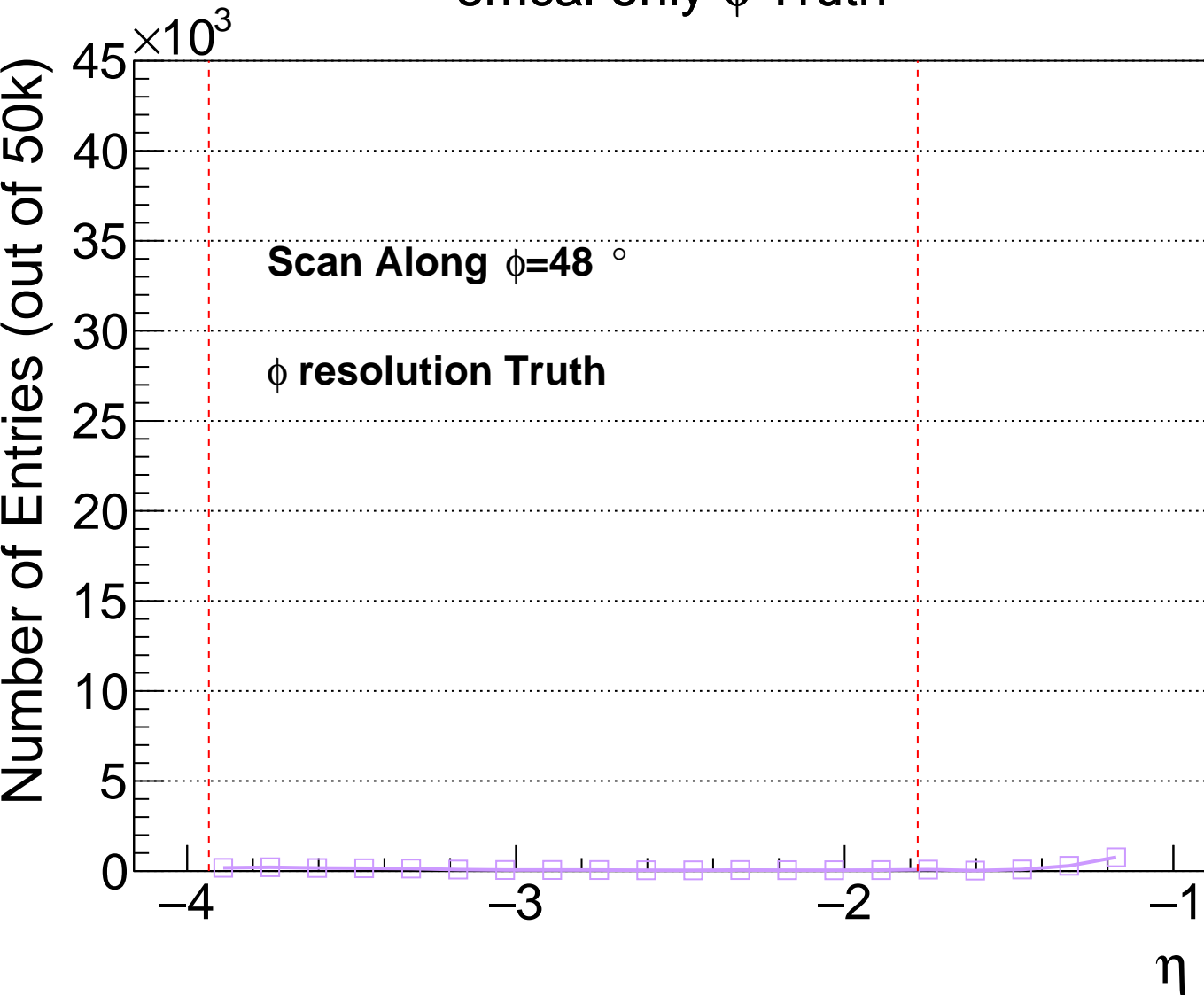
hcal only #Rxy Truth



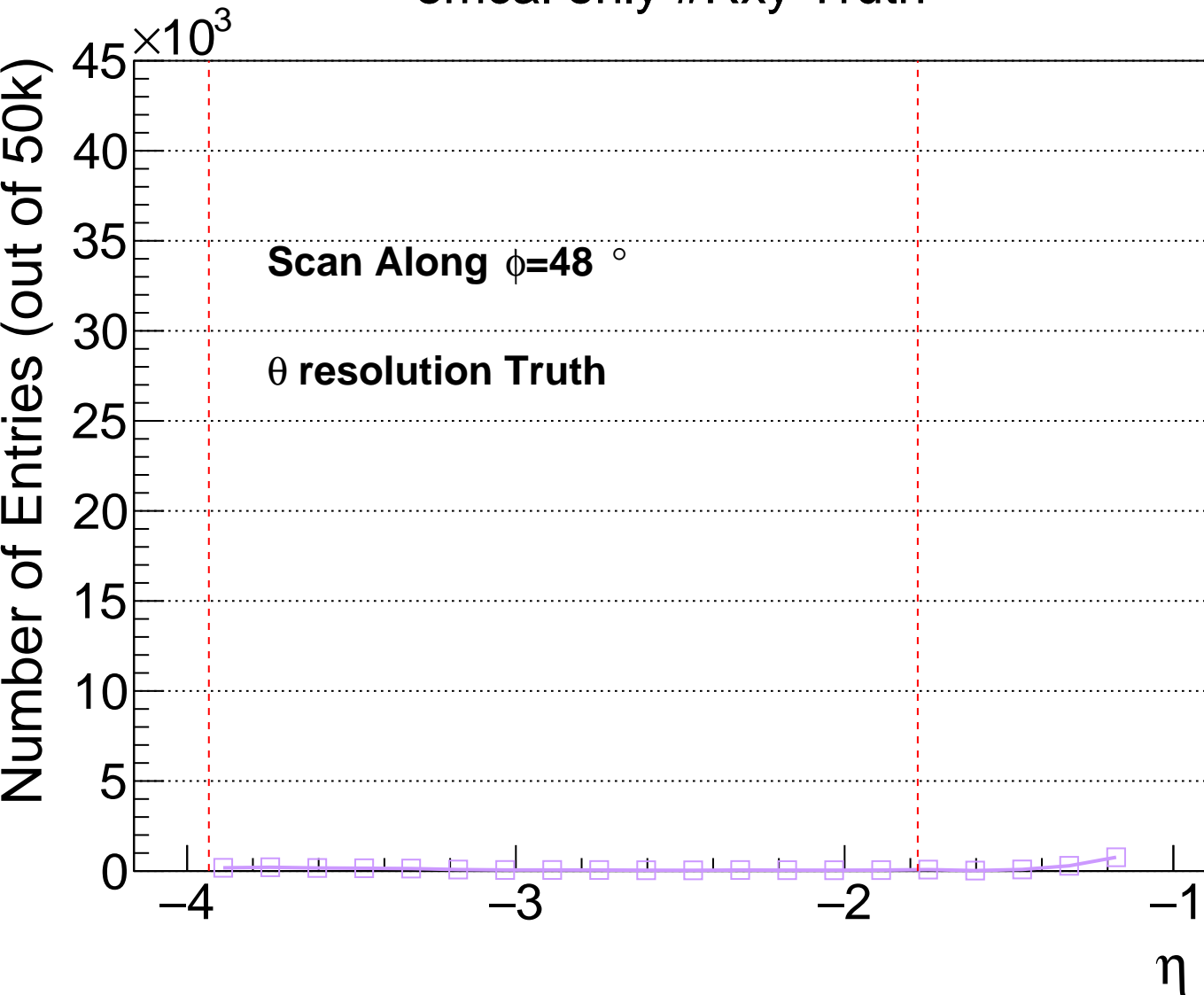
emcal only θ Truth

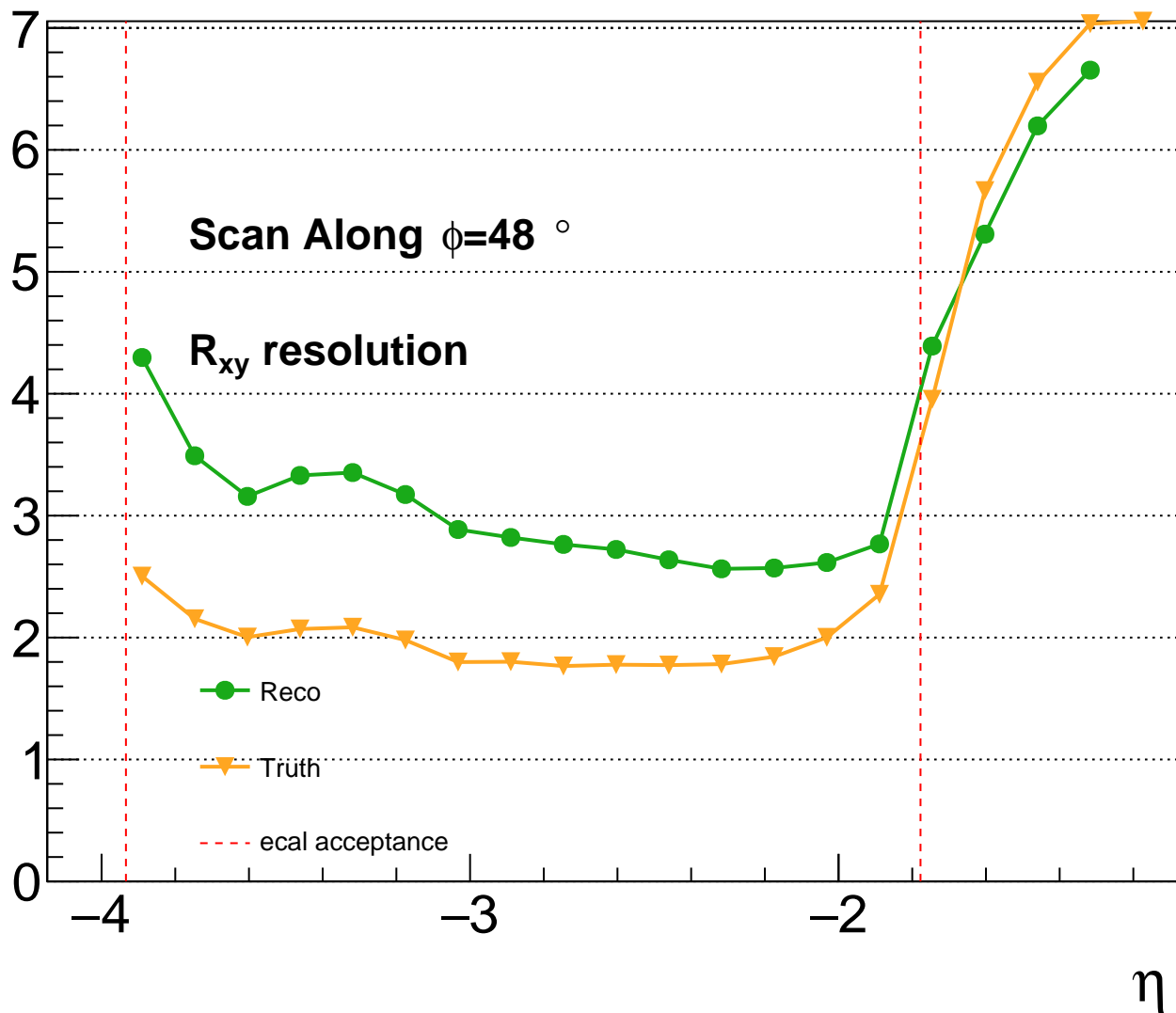


emcal only ϕ Truth



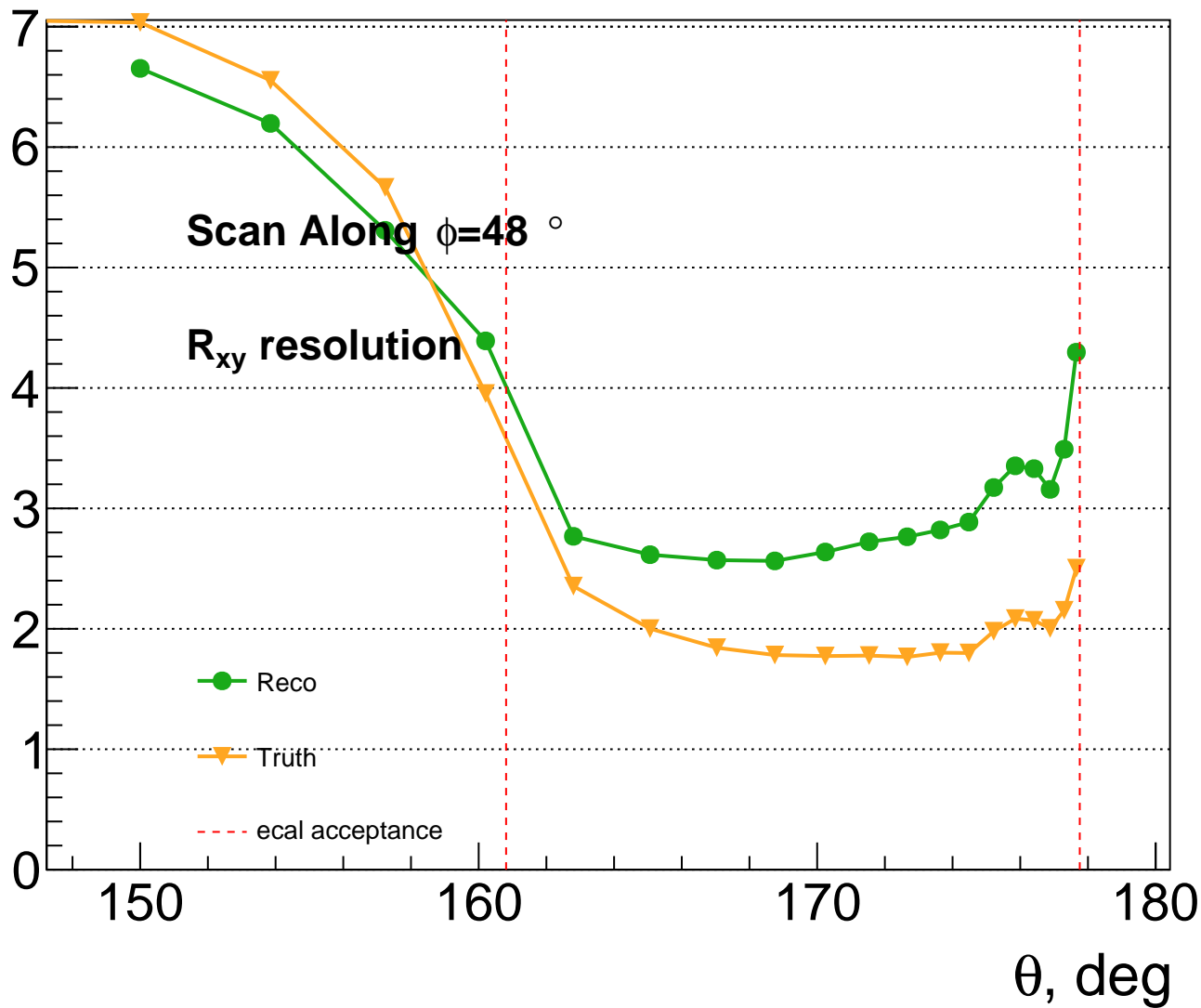
emcal only #Rxy Truth

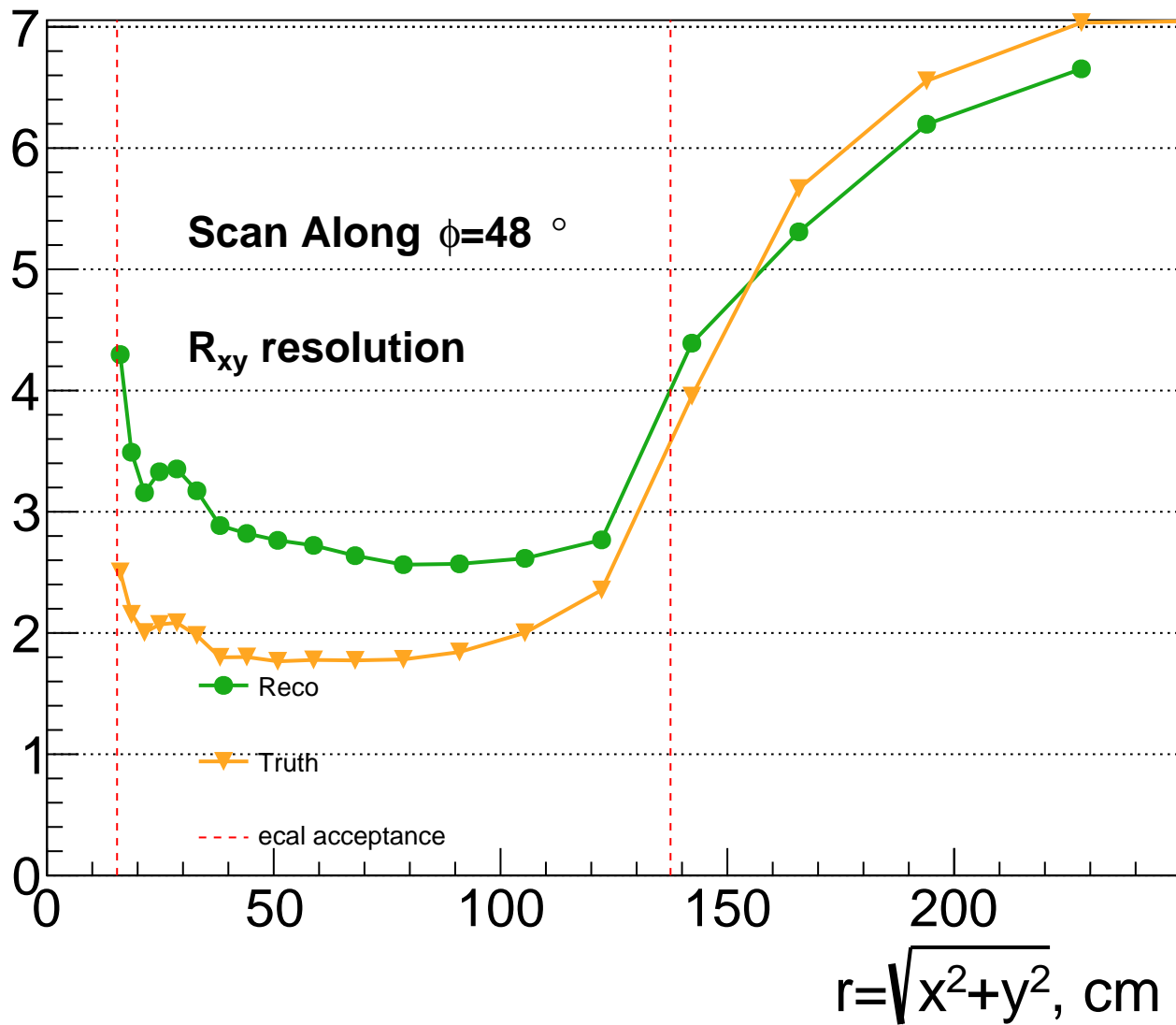


hcal+emcal θ $\Delta\theta$, deg

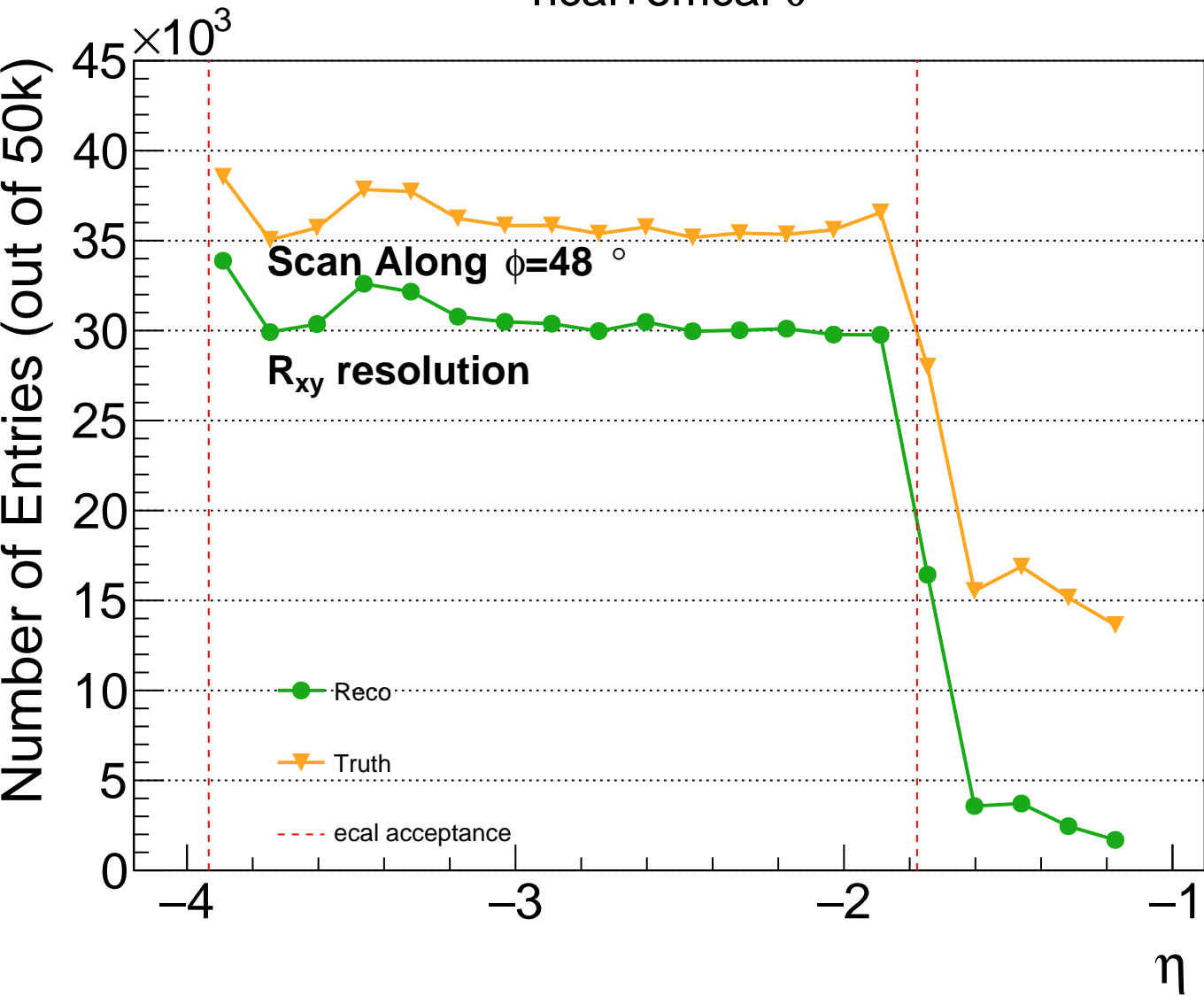
hcal+emcal θ

$\Delta\theta$, deg

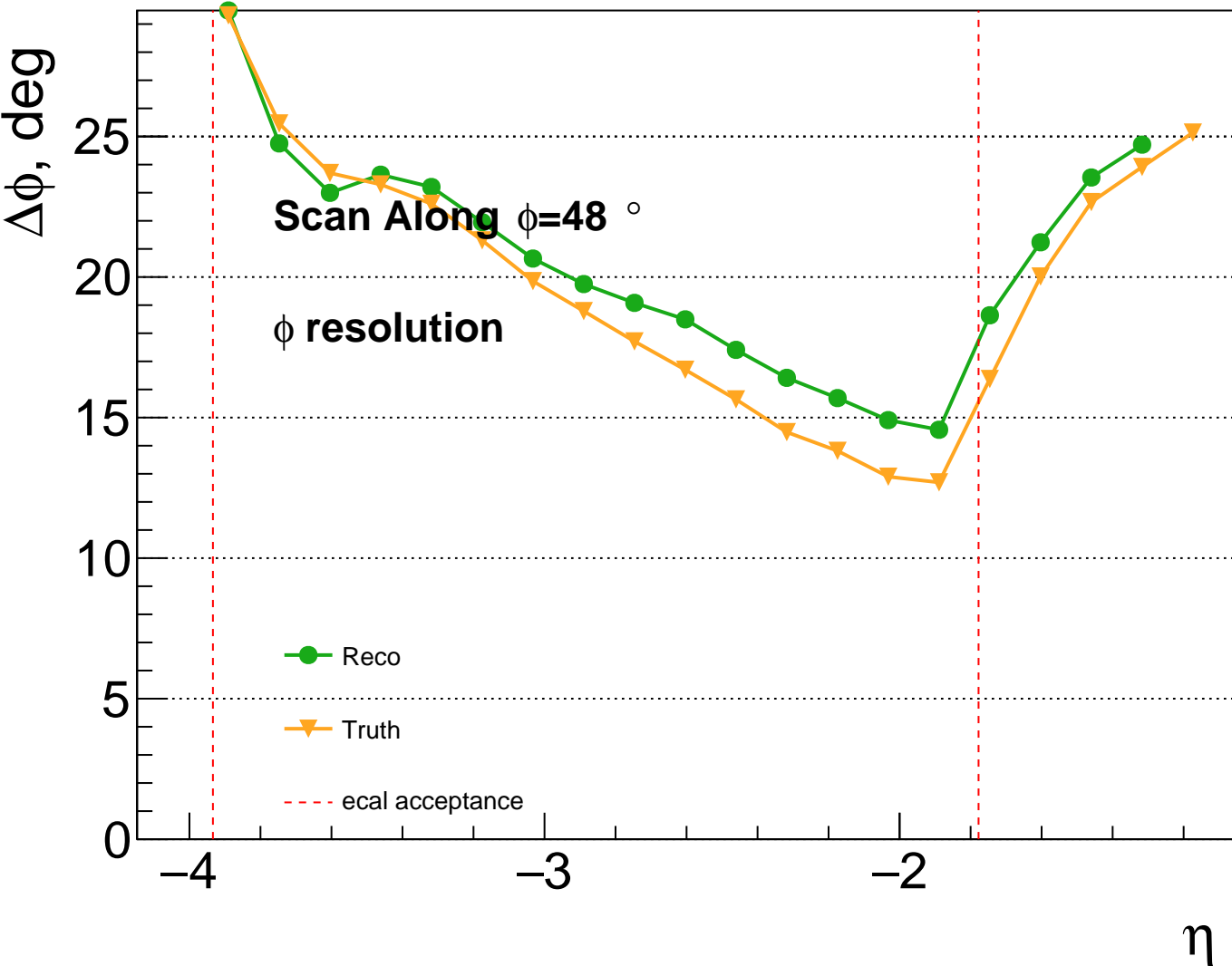


hcal+emcal θ $\Delta\theta$, deg

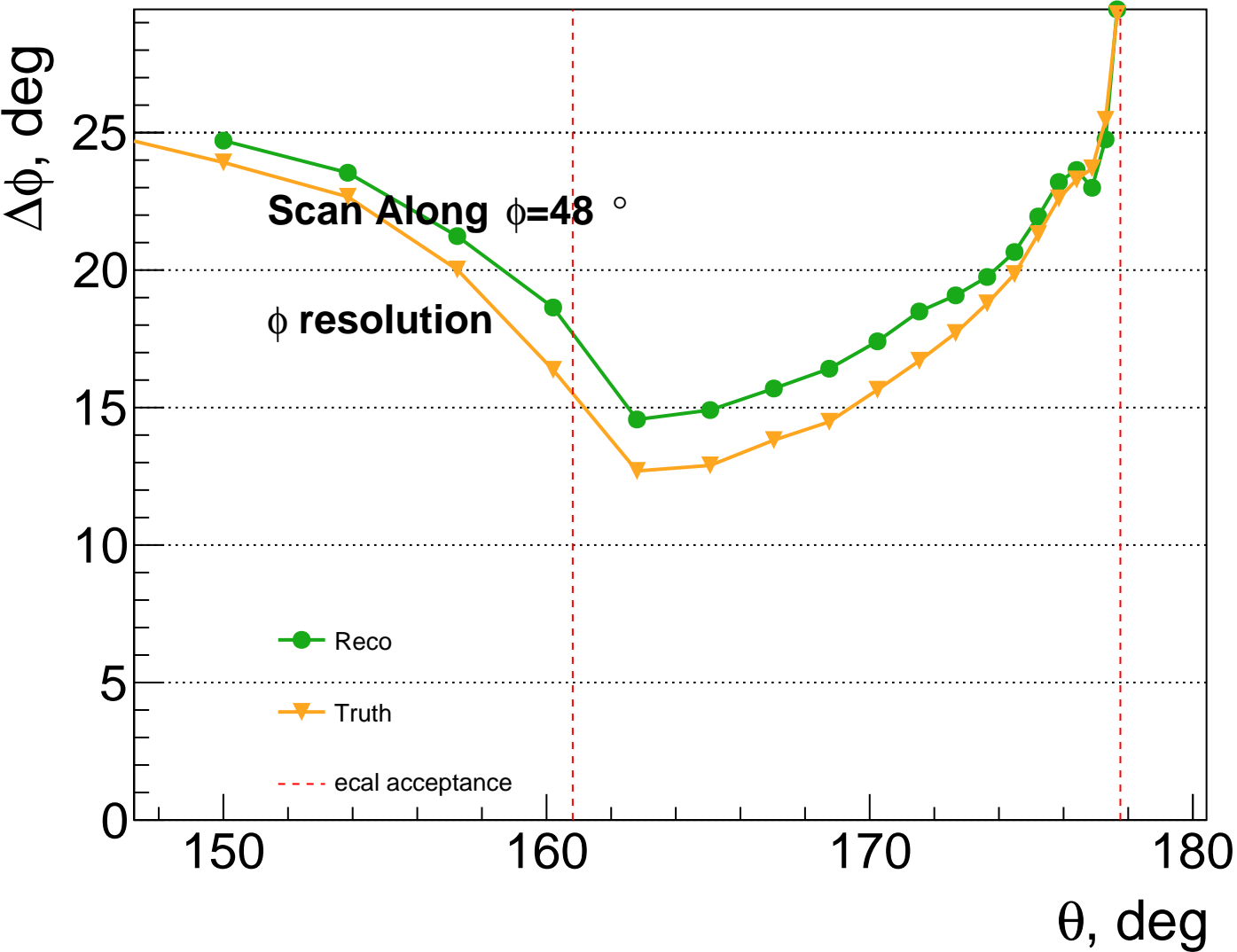
hcal+emcal θ



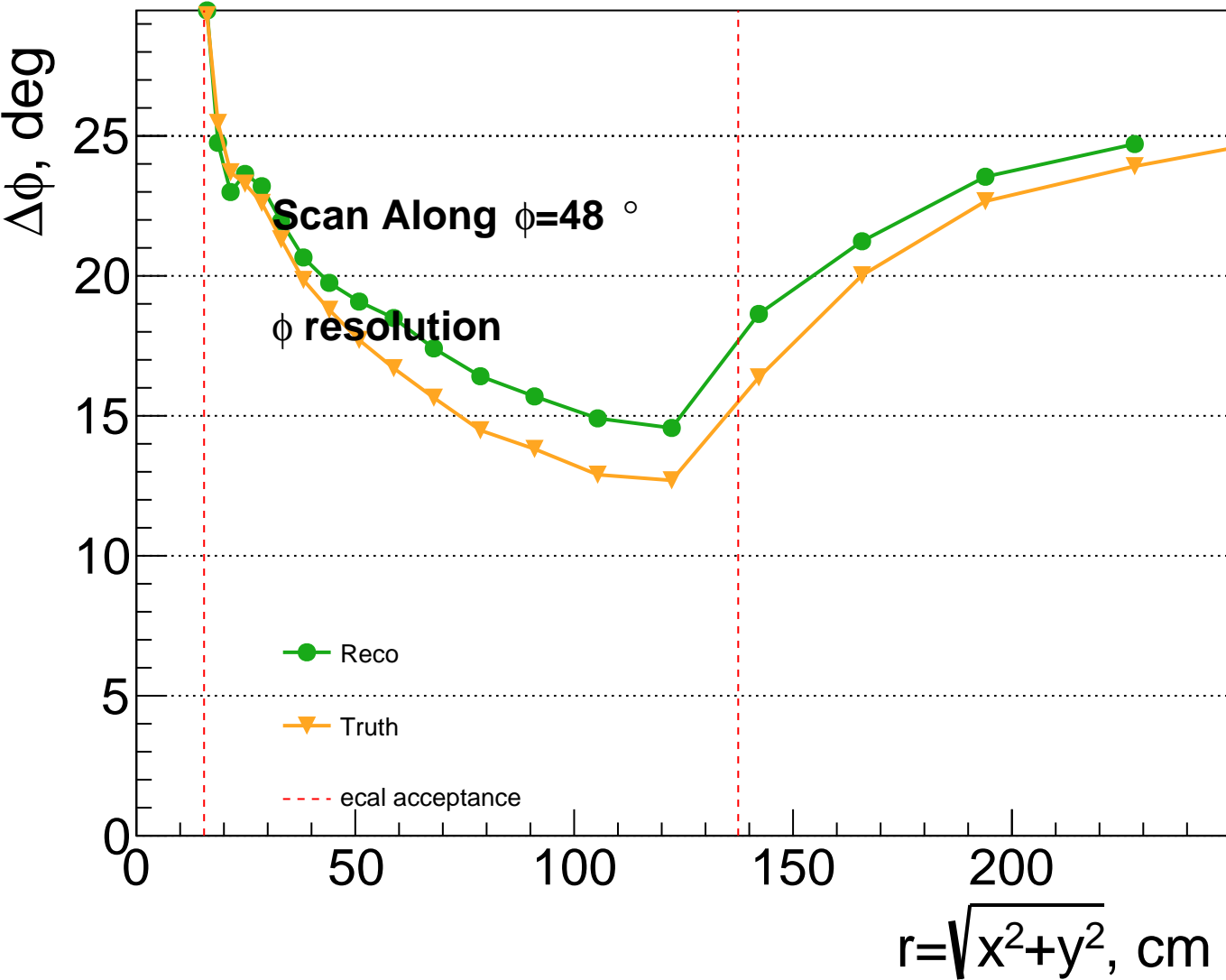
hcal+emcal ϕ



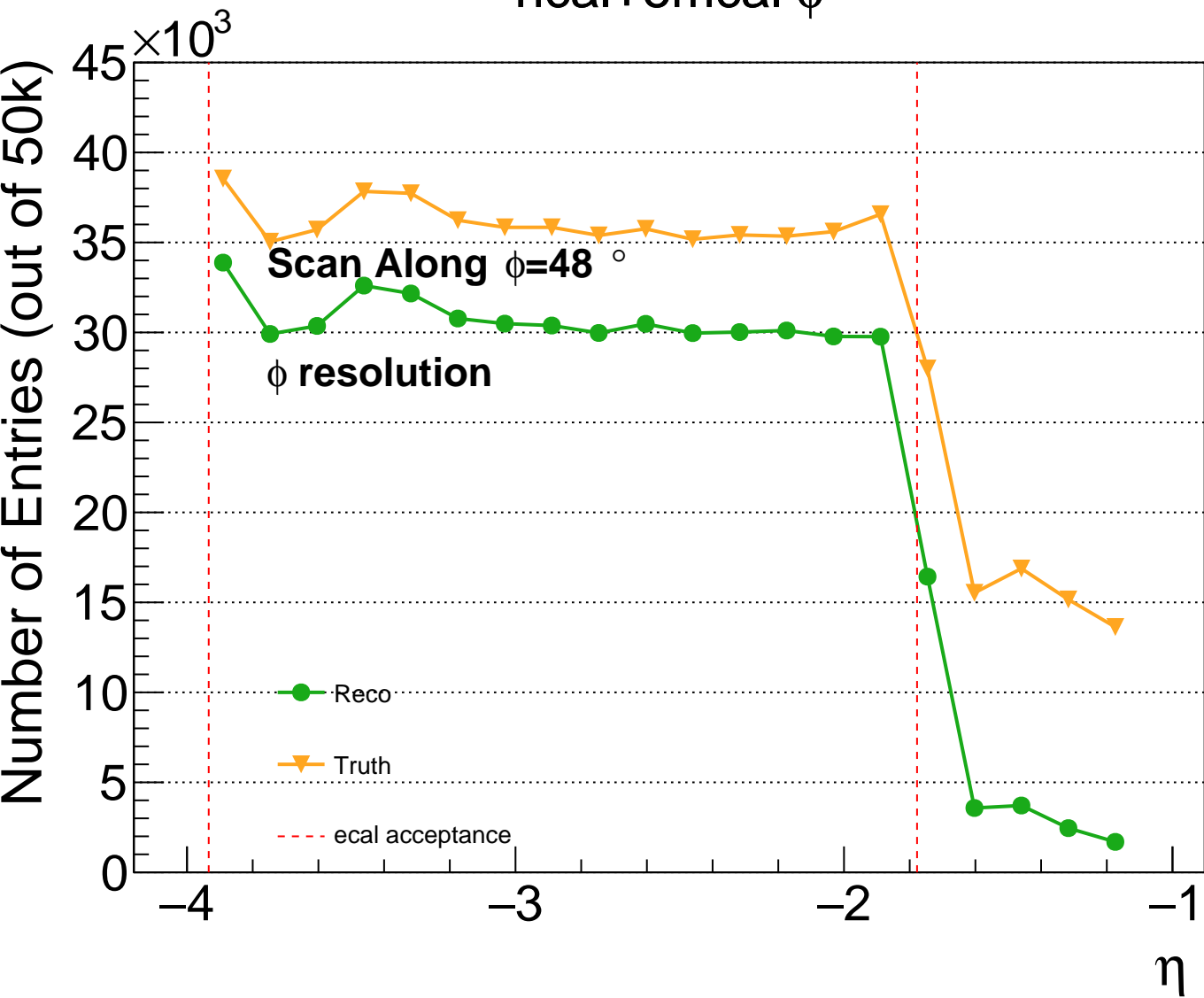
hcal+emcal ϕ



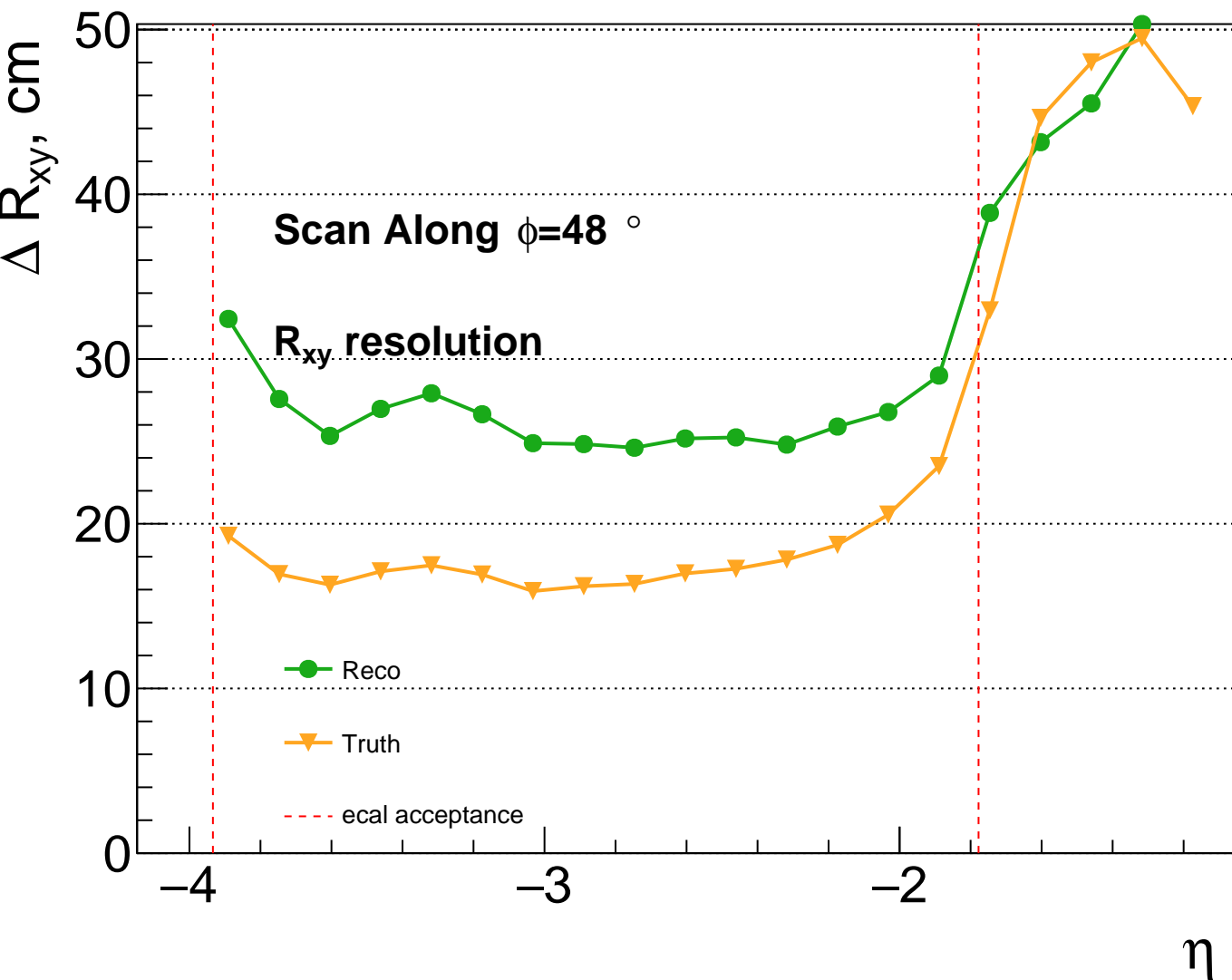
hcal+emcal ϕ



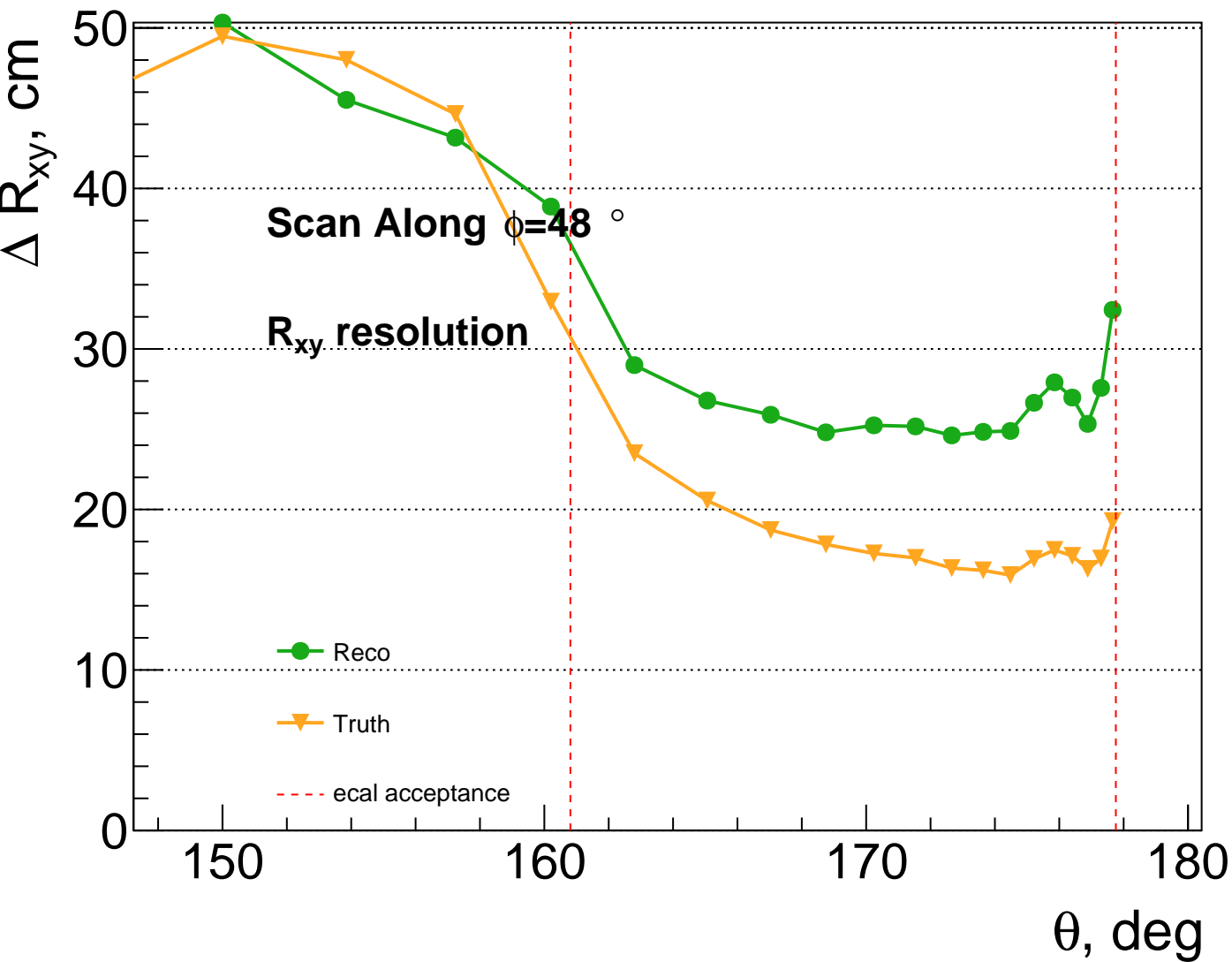
hcal+emcal ϕ



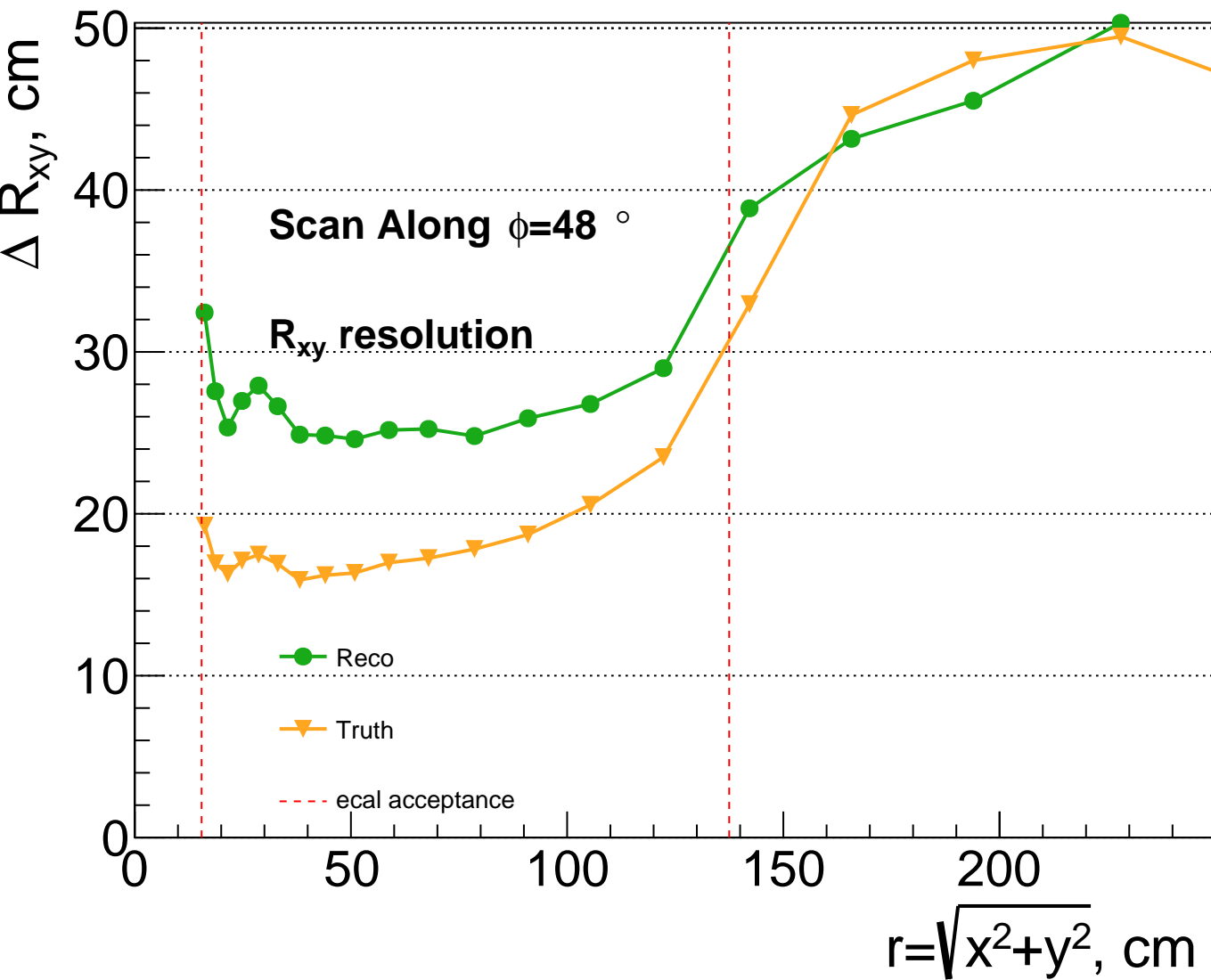
hcal+emcal #Rxy



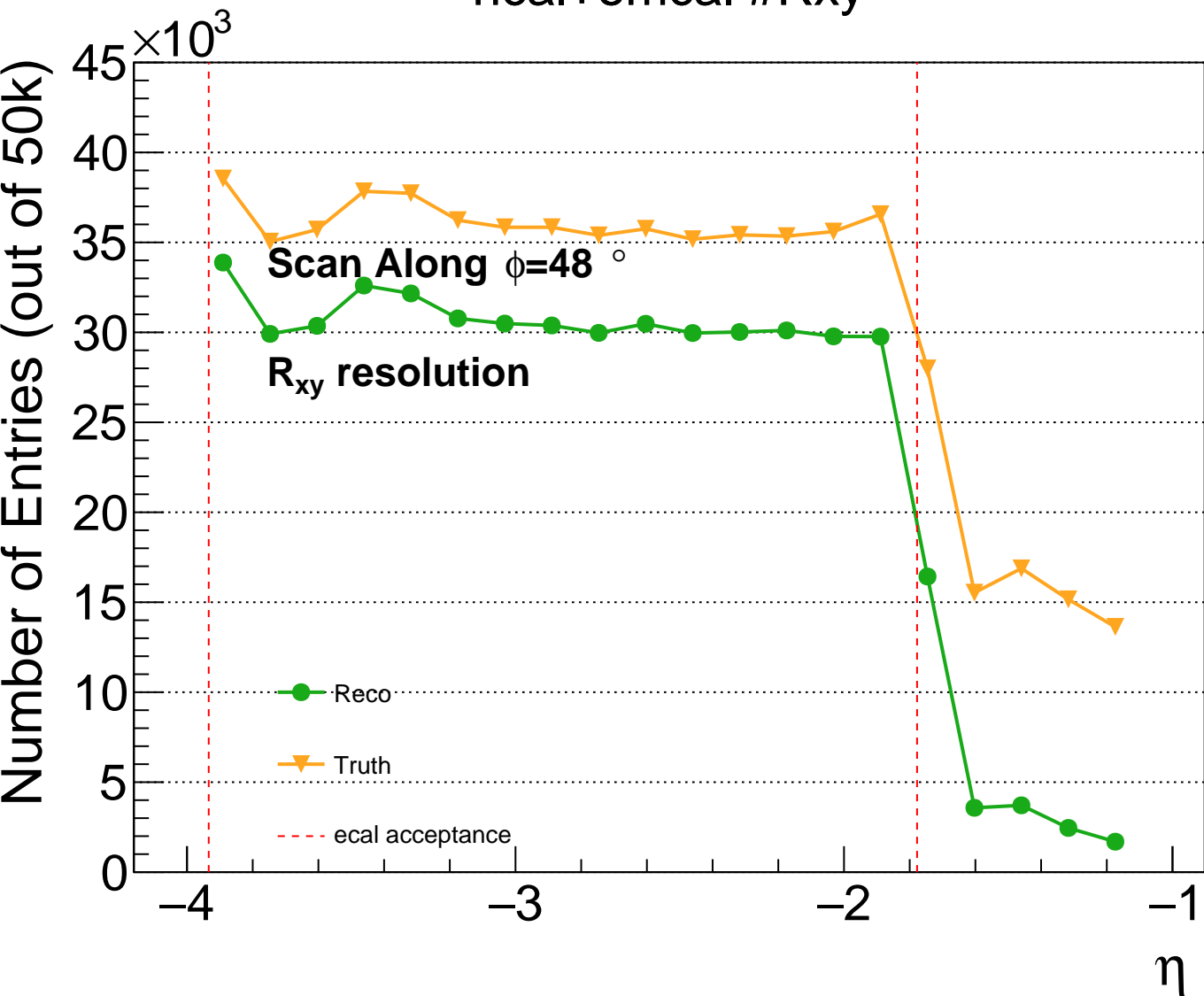
hcal+emcal #Rxy



hcal+emcal #Rxy

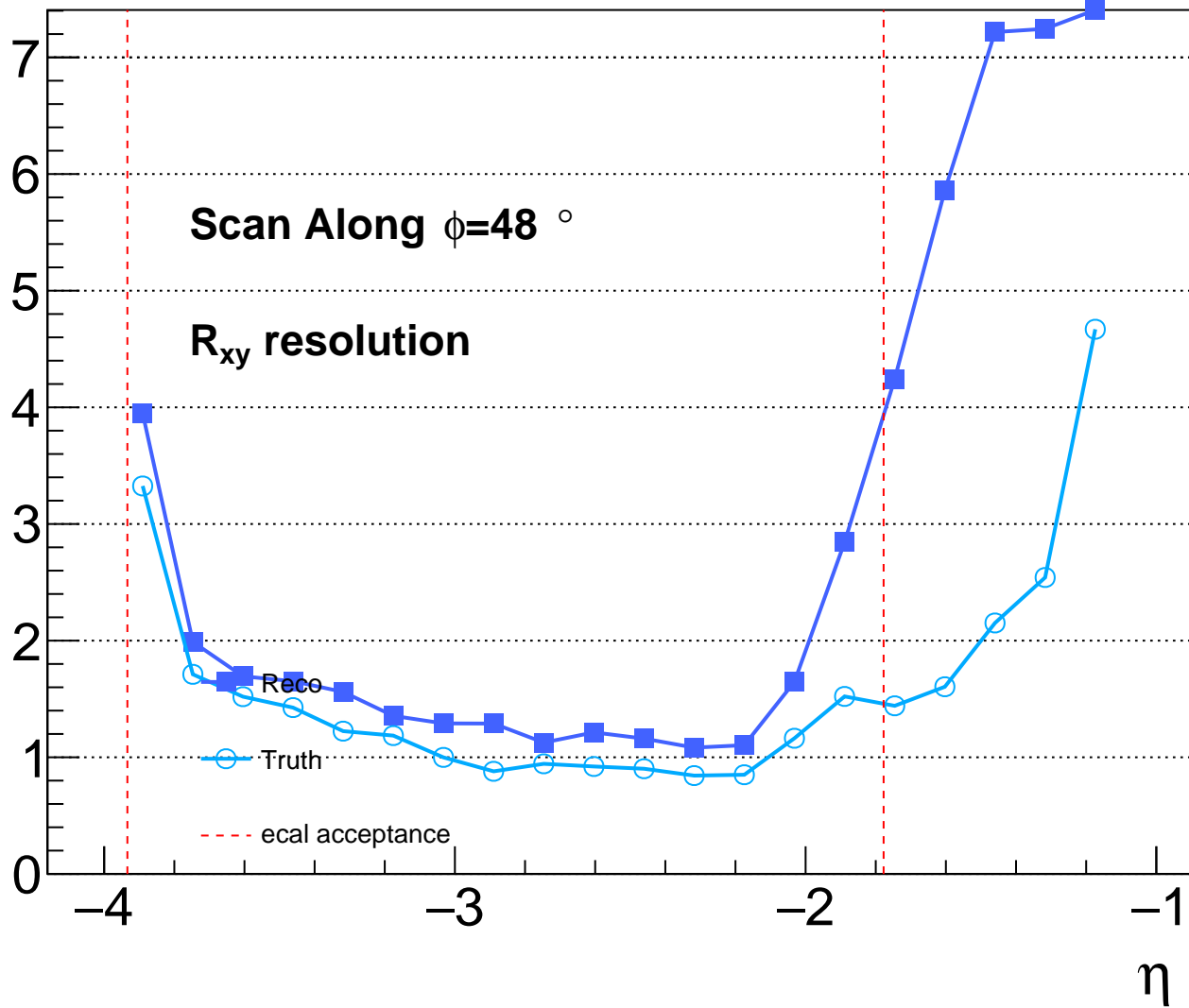


hcal+emcal #Rxy



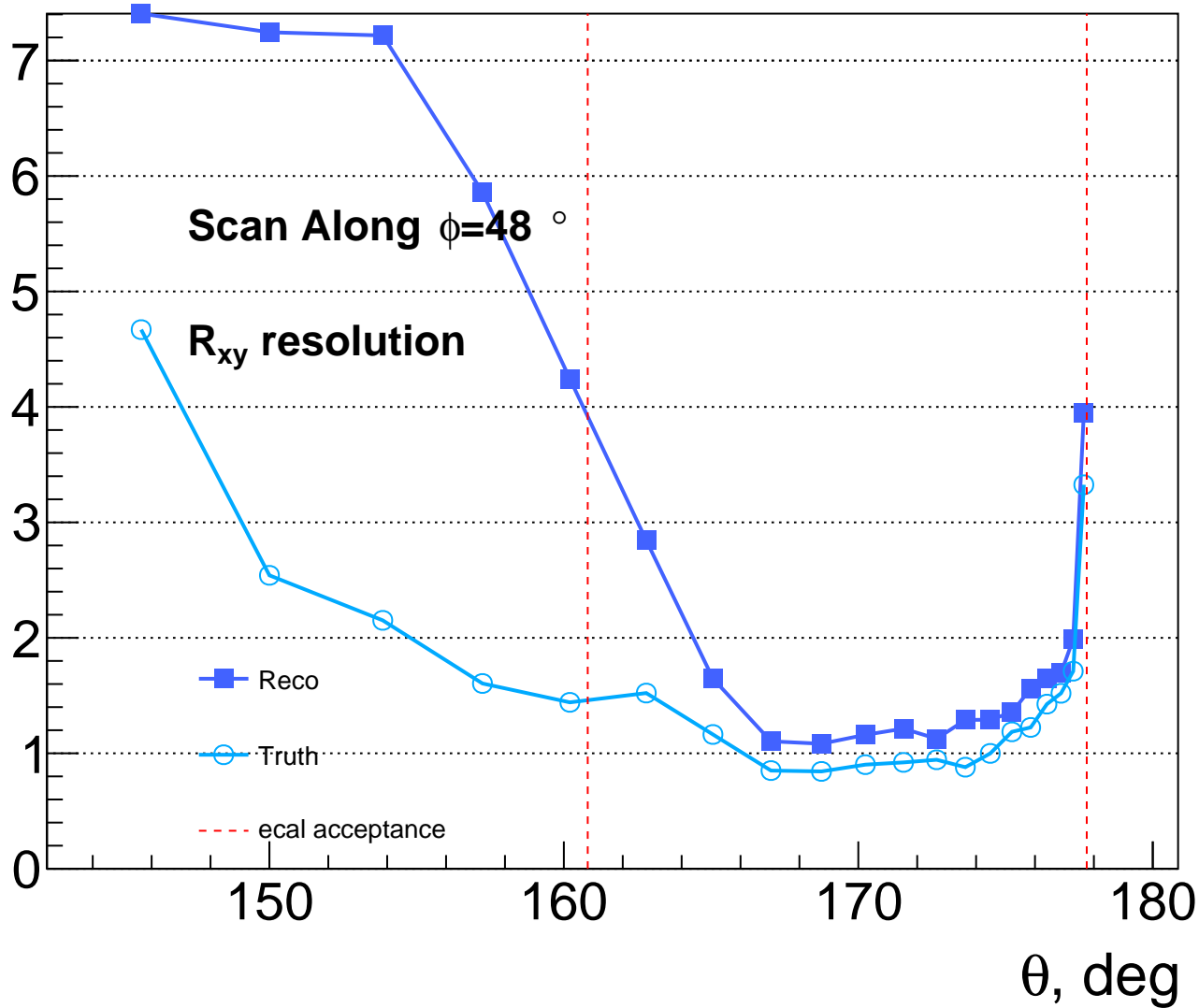
hcal only θ

$\Delta\theta$, deg



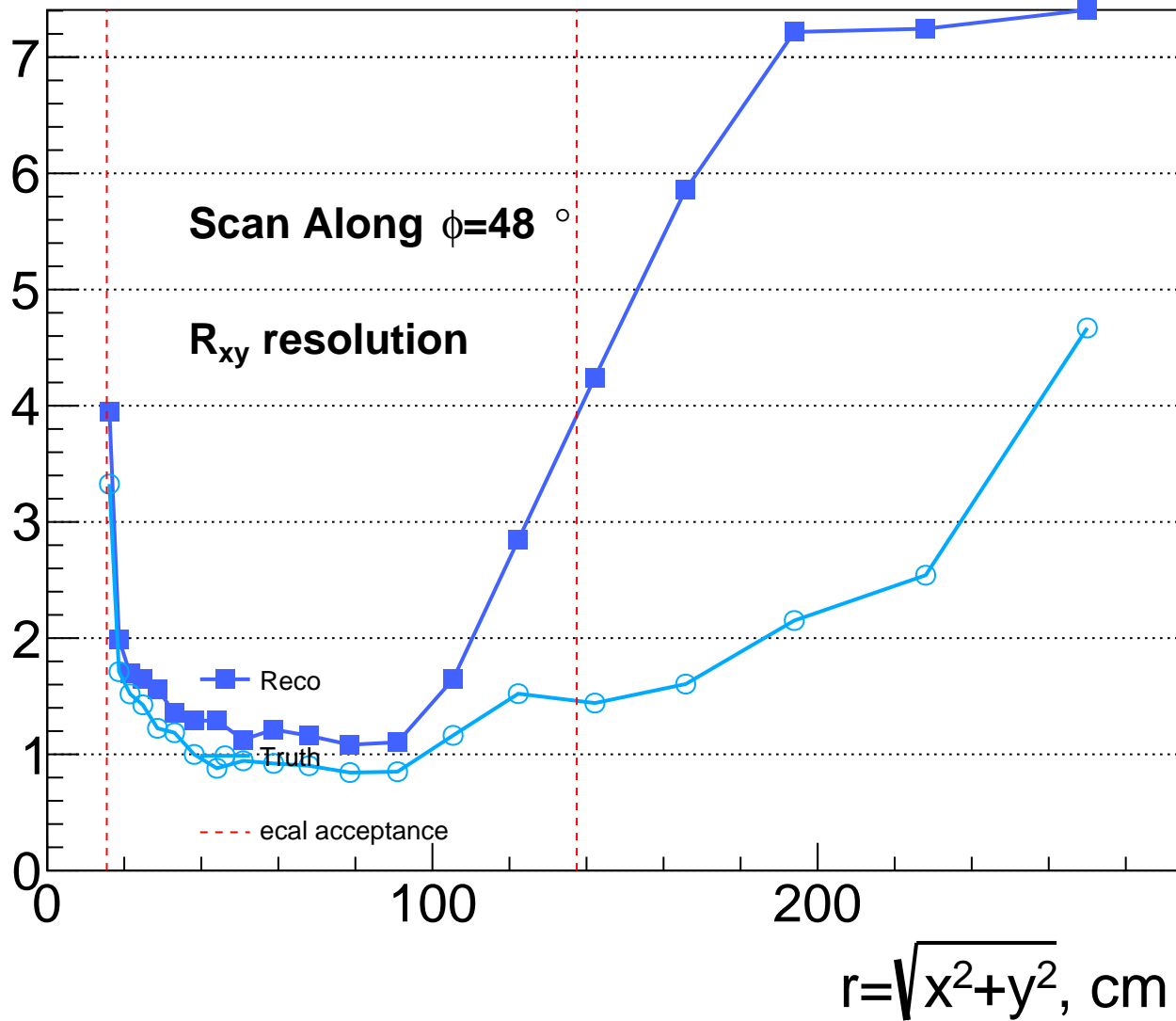
hcal only θ

$\Delta\theta$, deg

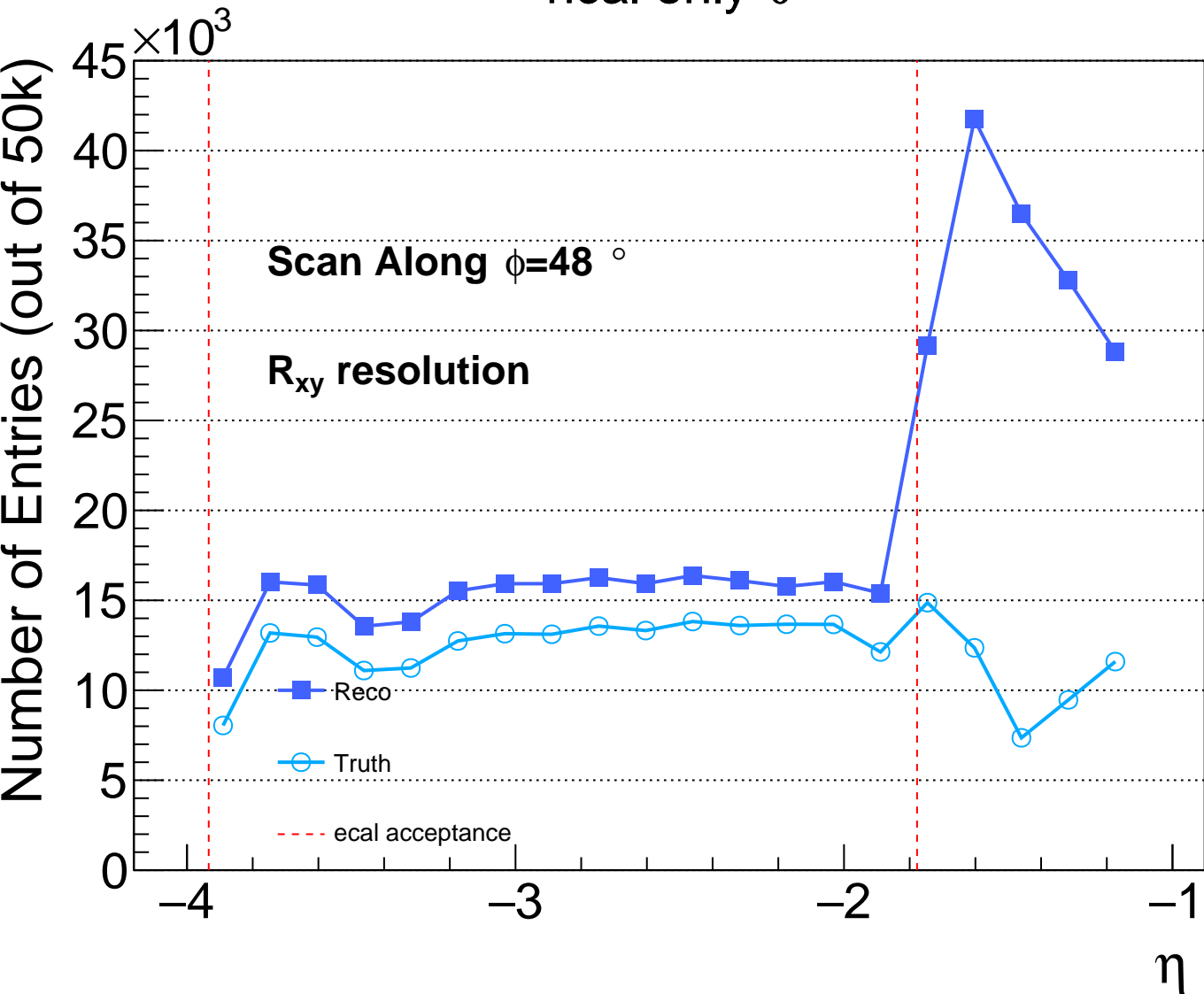


hcal only θ

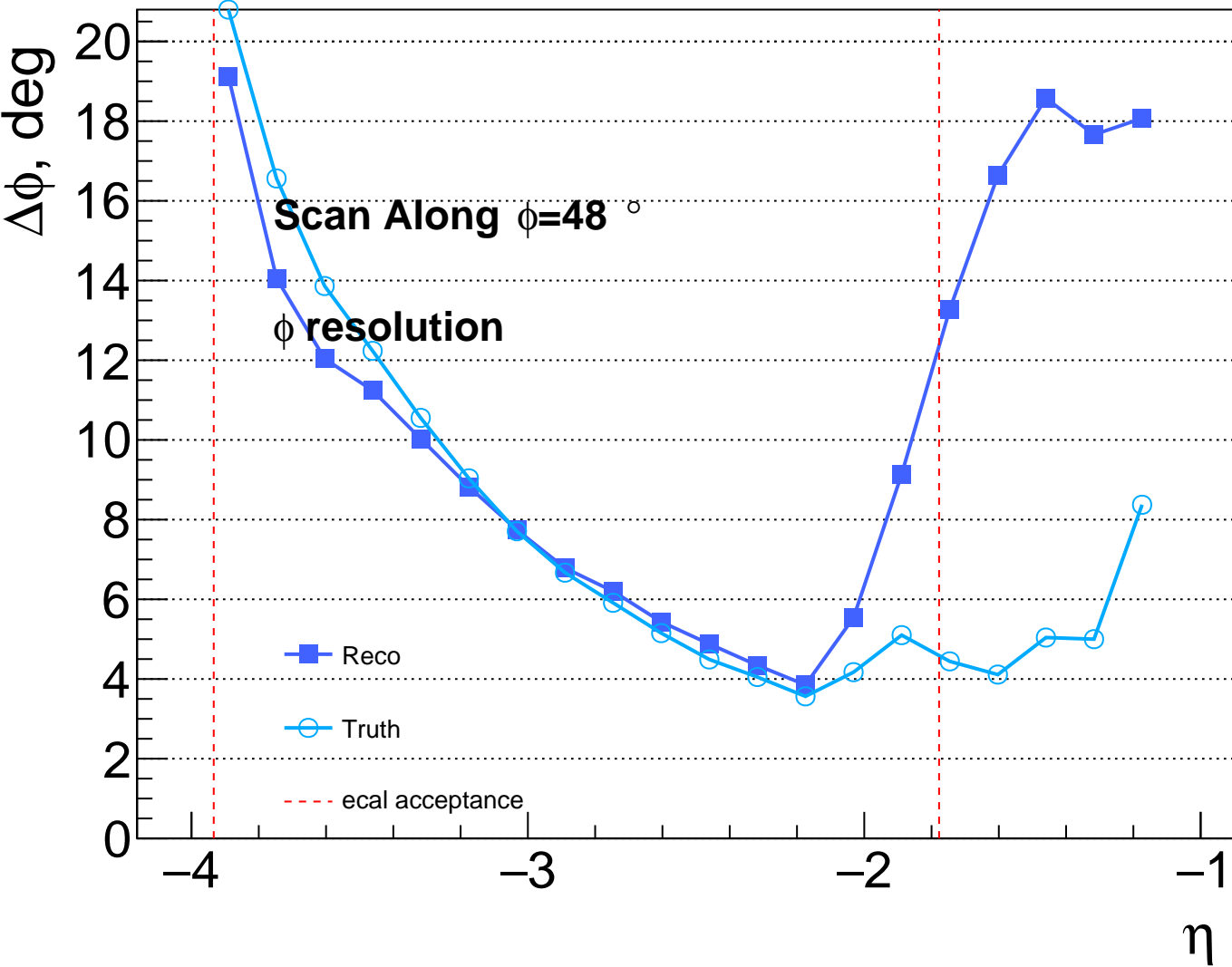
$\Delta\theta$, deg



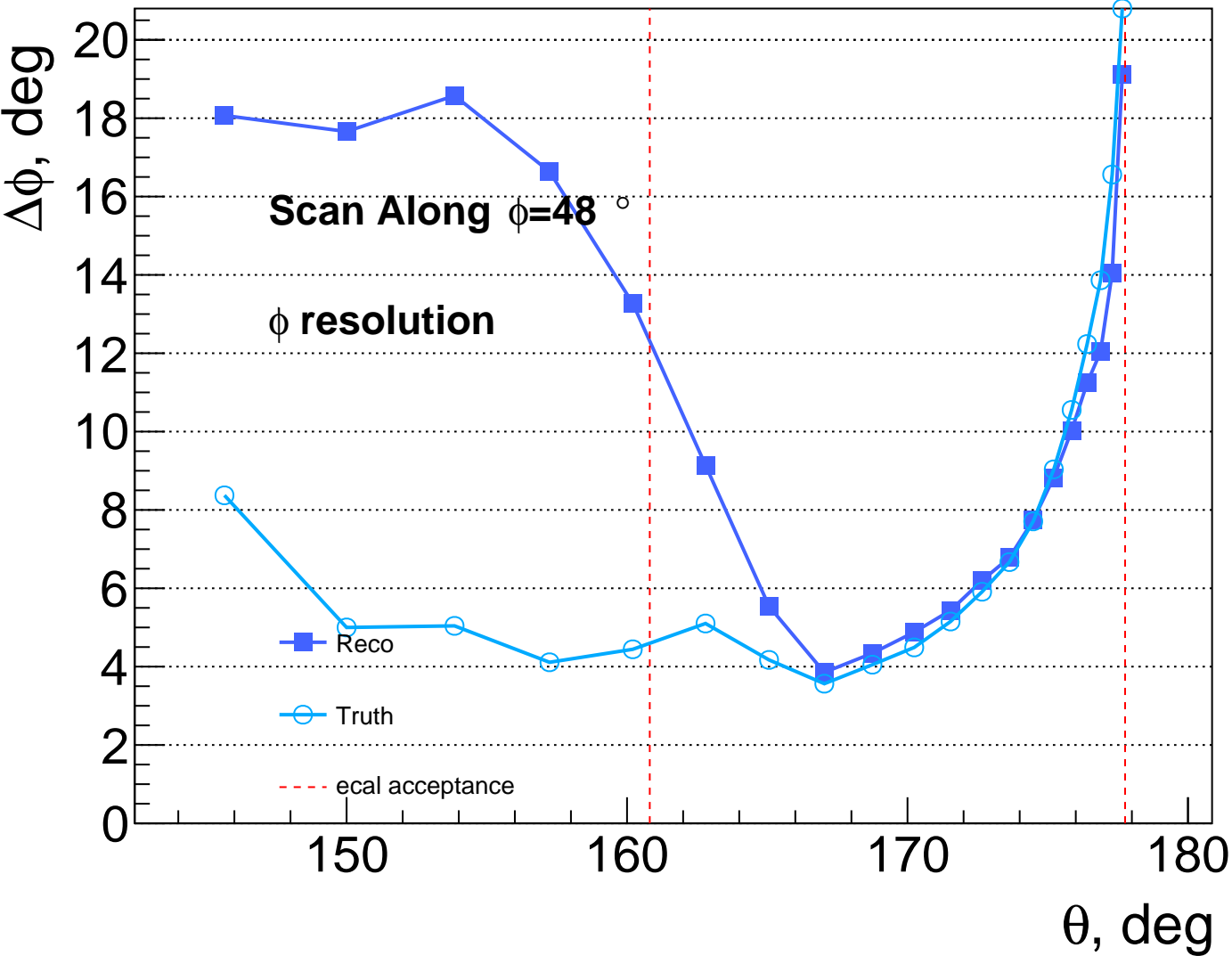
hcal only θ



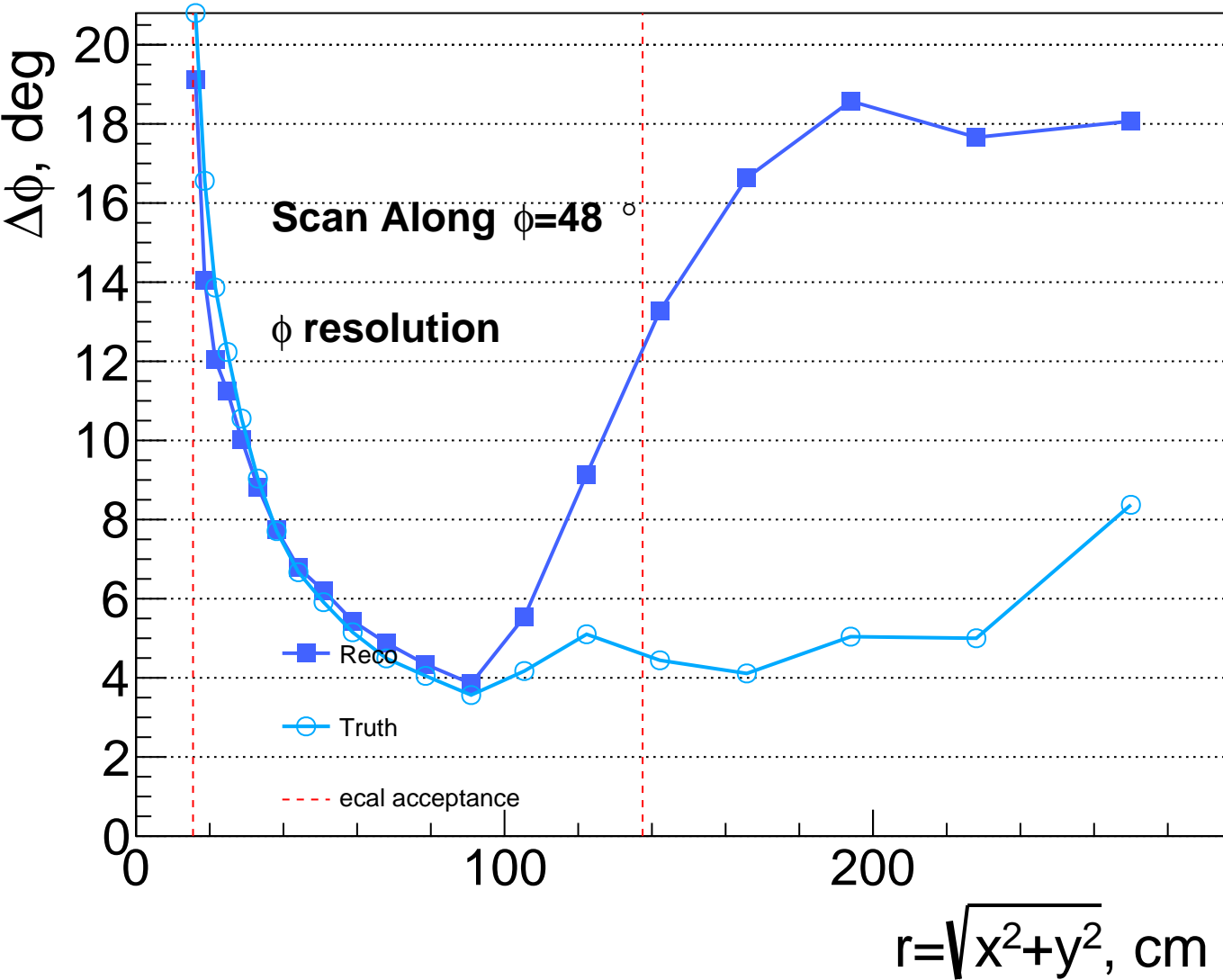
hcal only ϕ

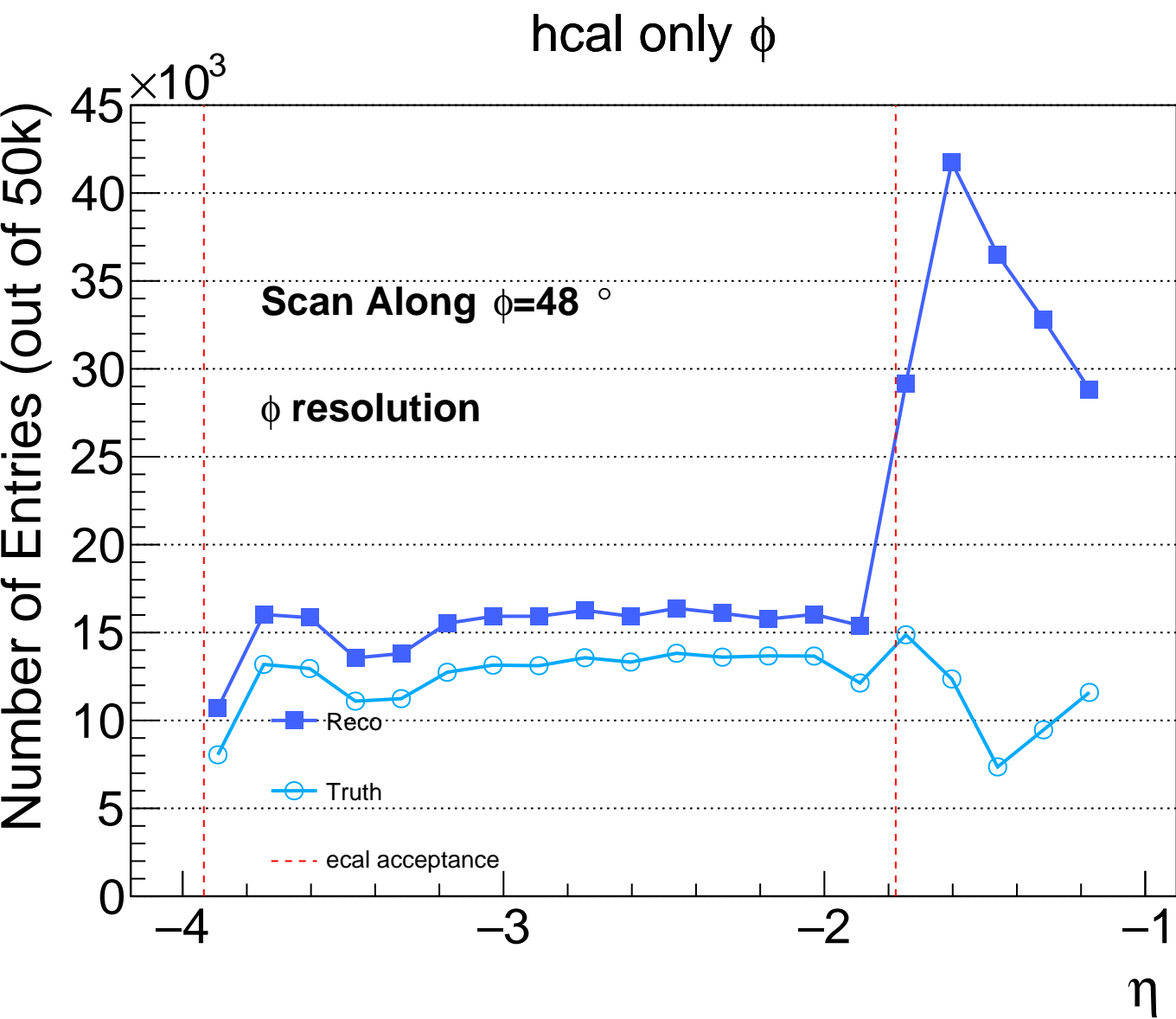


hcal only ϕ

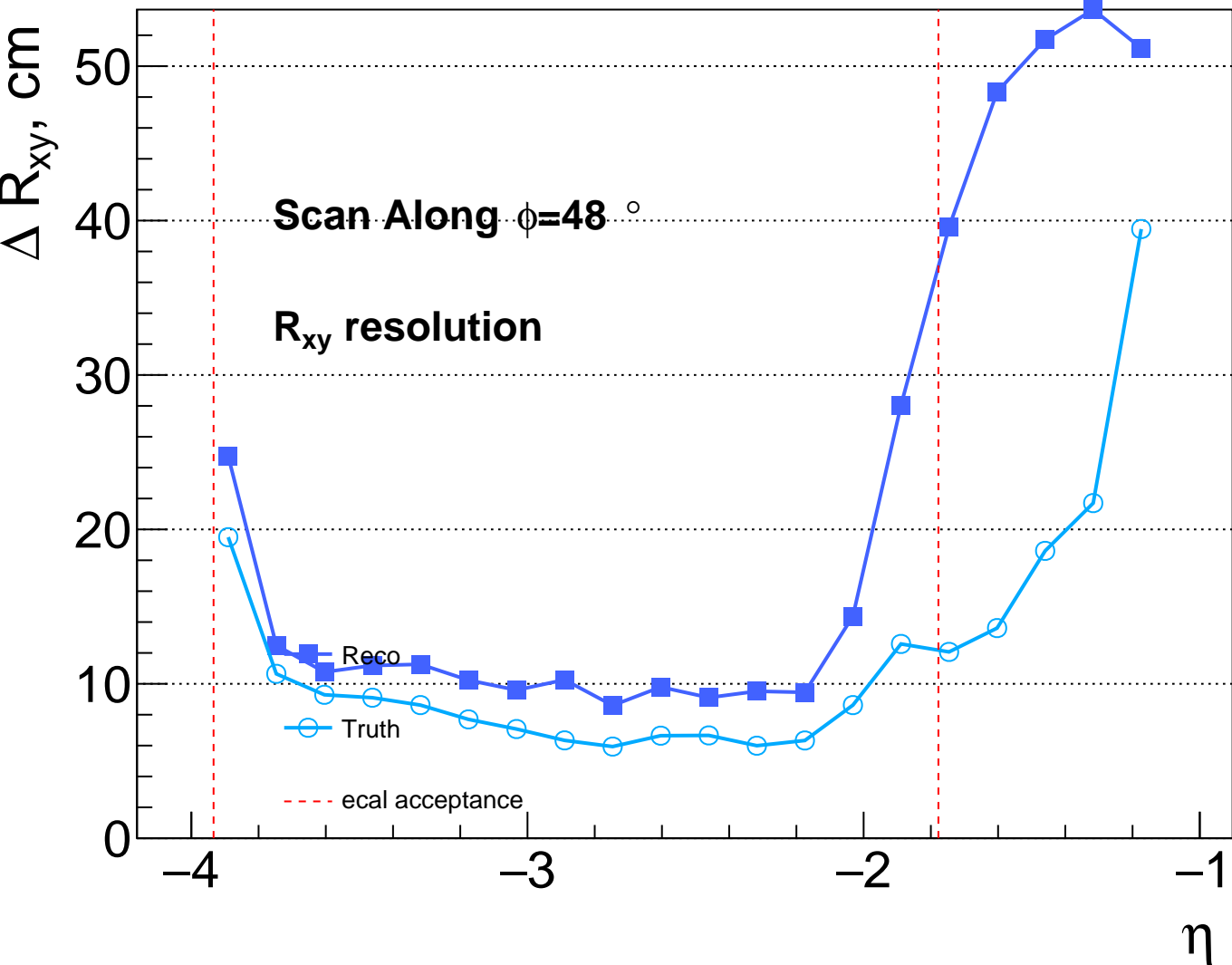


hcal only ϕ

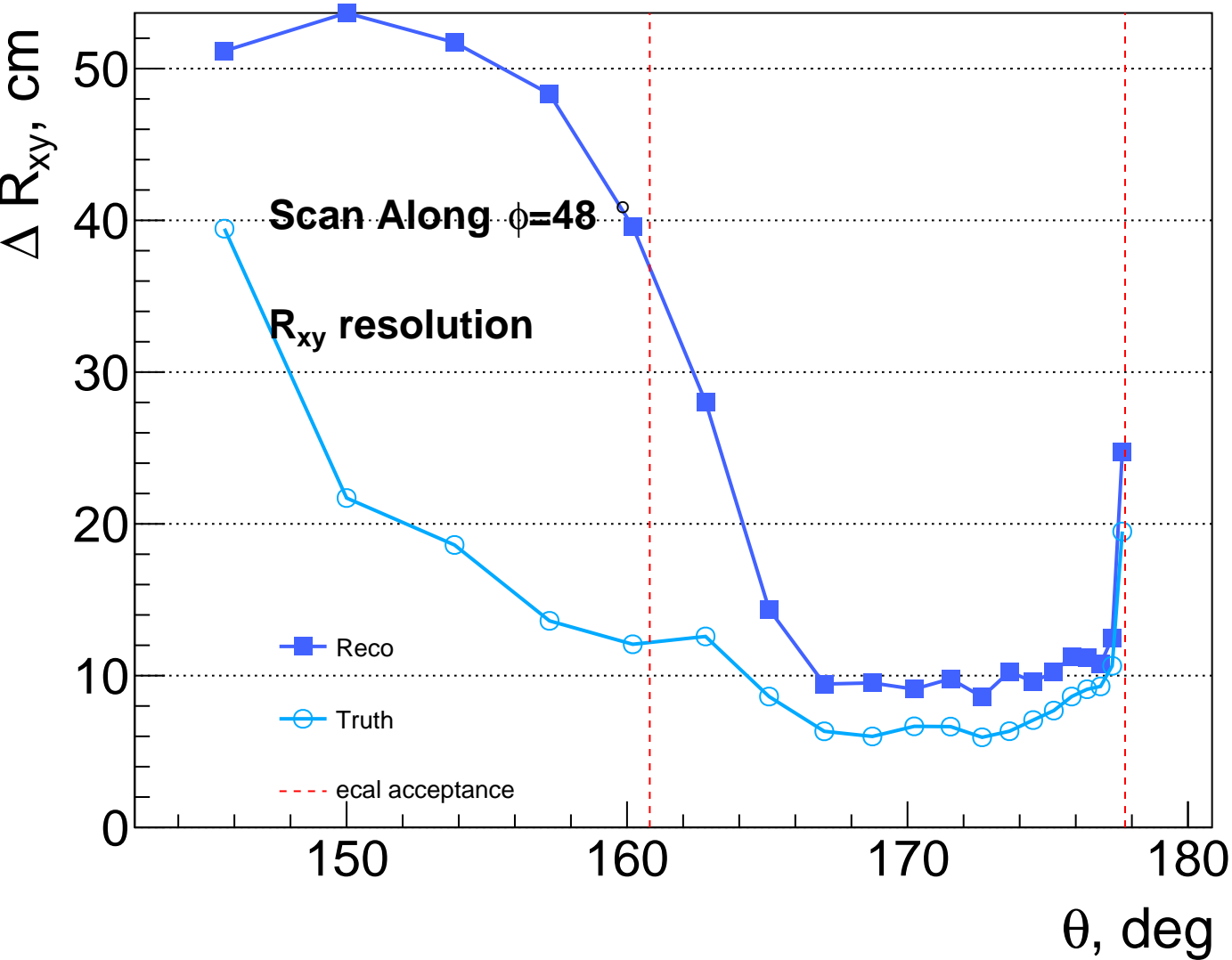




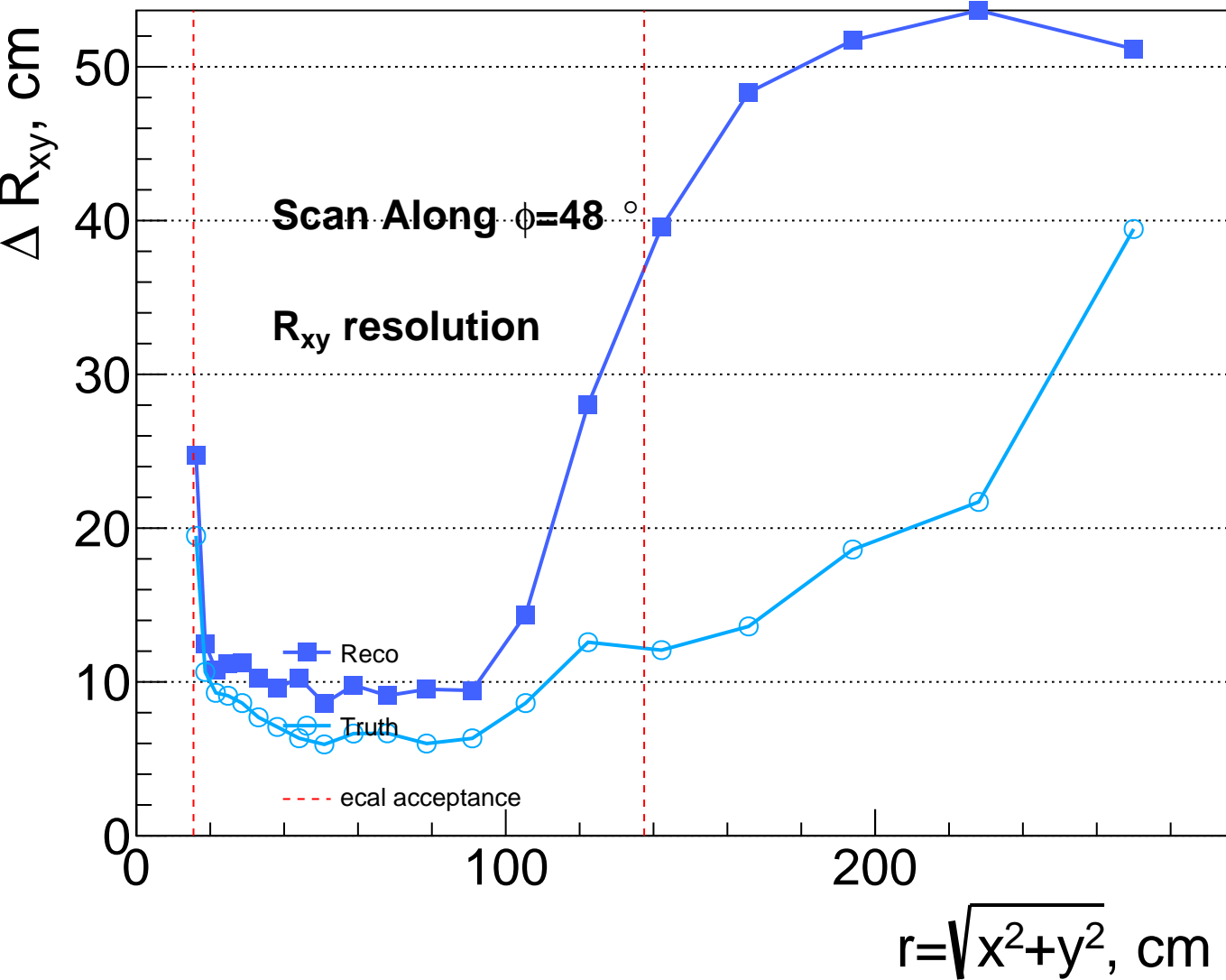
hcal only #Rxy



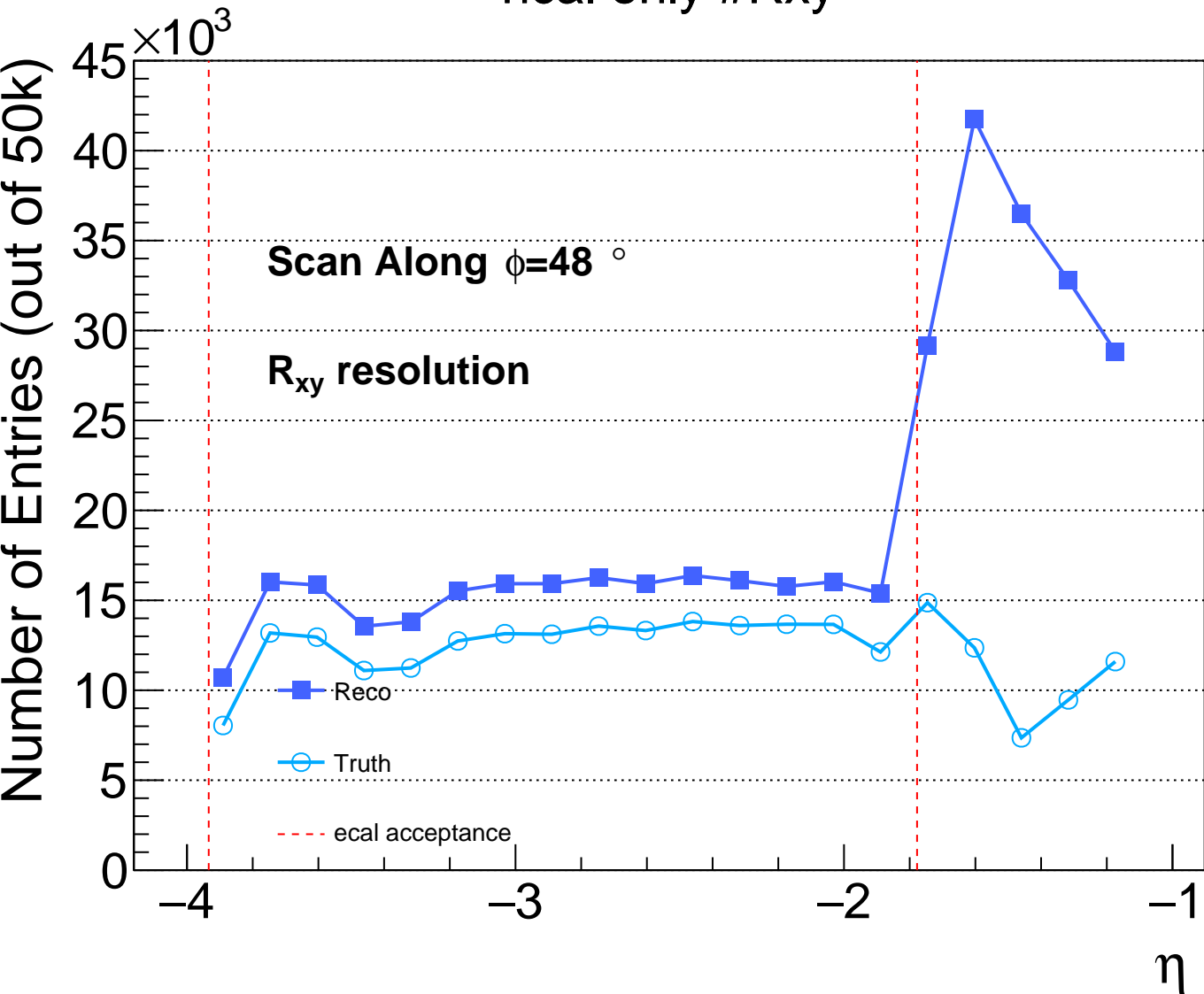
hcal only #Rxy



hcal only #Rxy

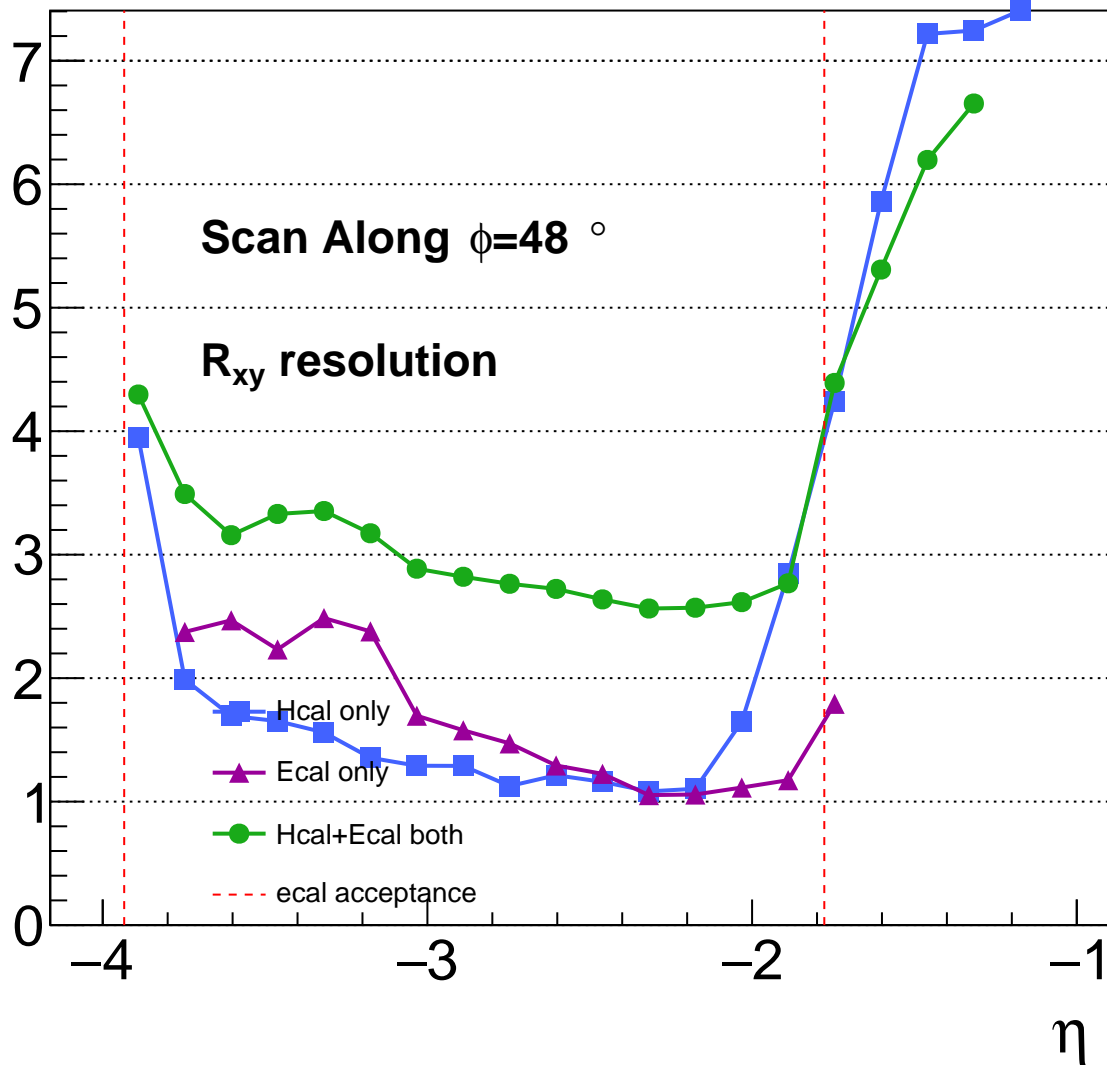


hcal only #Rxy

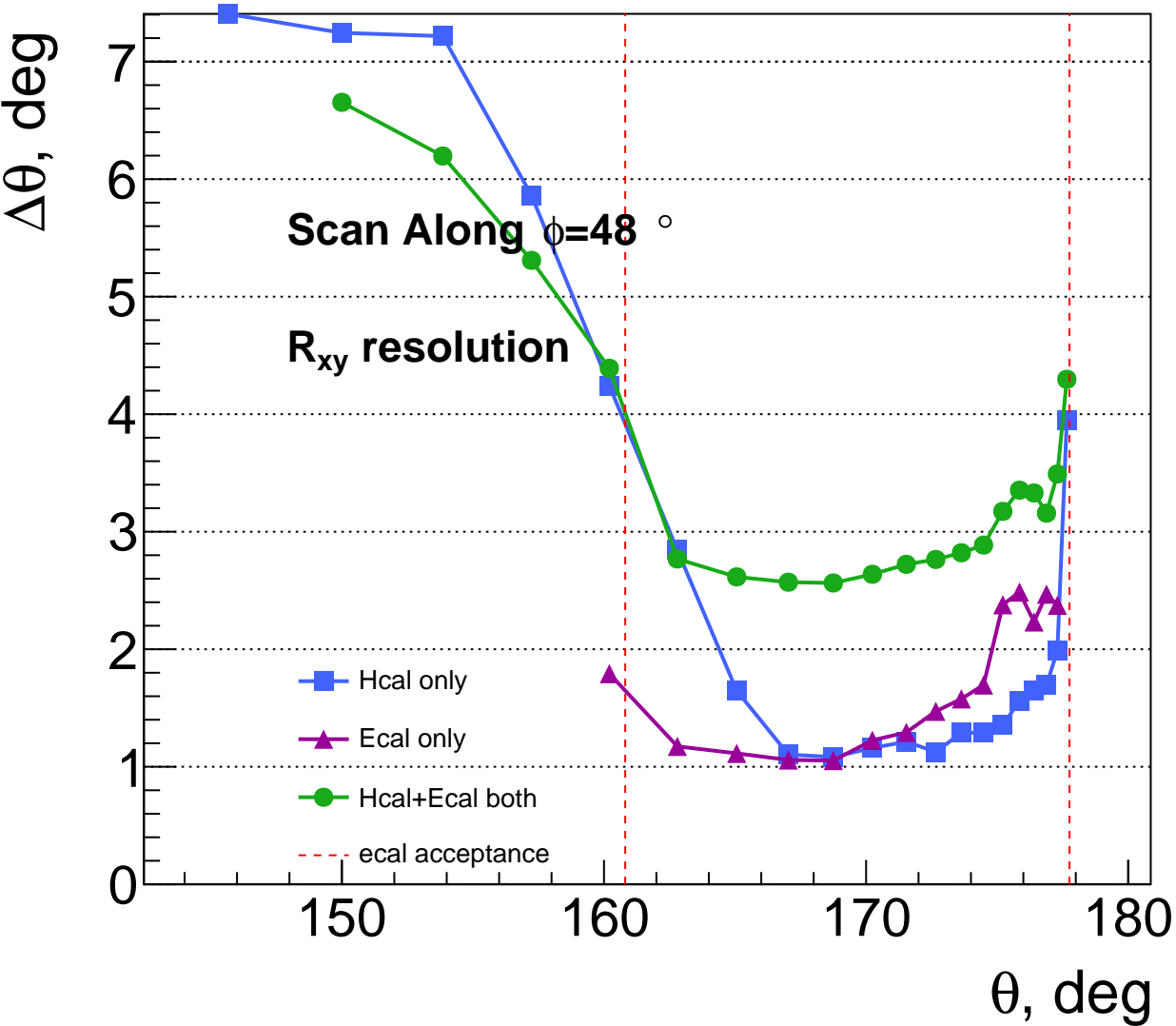


hcal only θ

$\Delta\theta$, deg

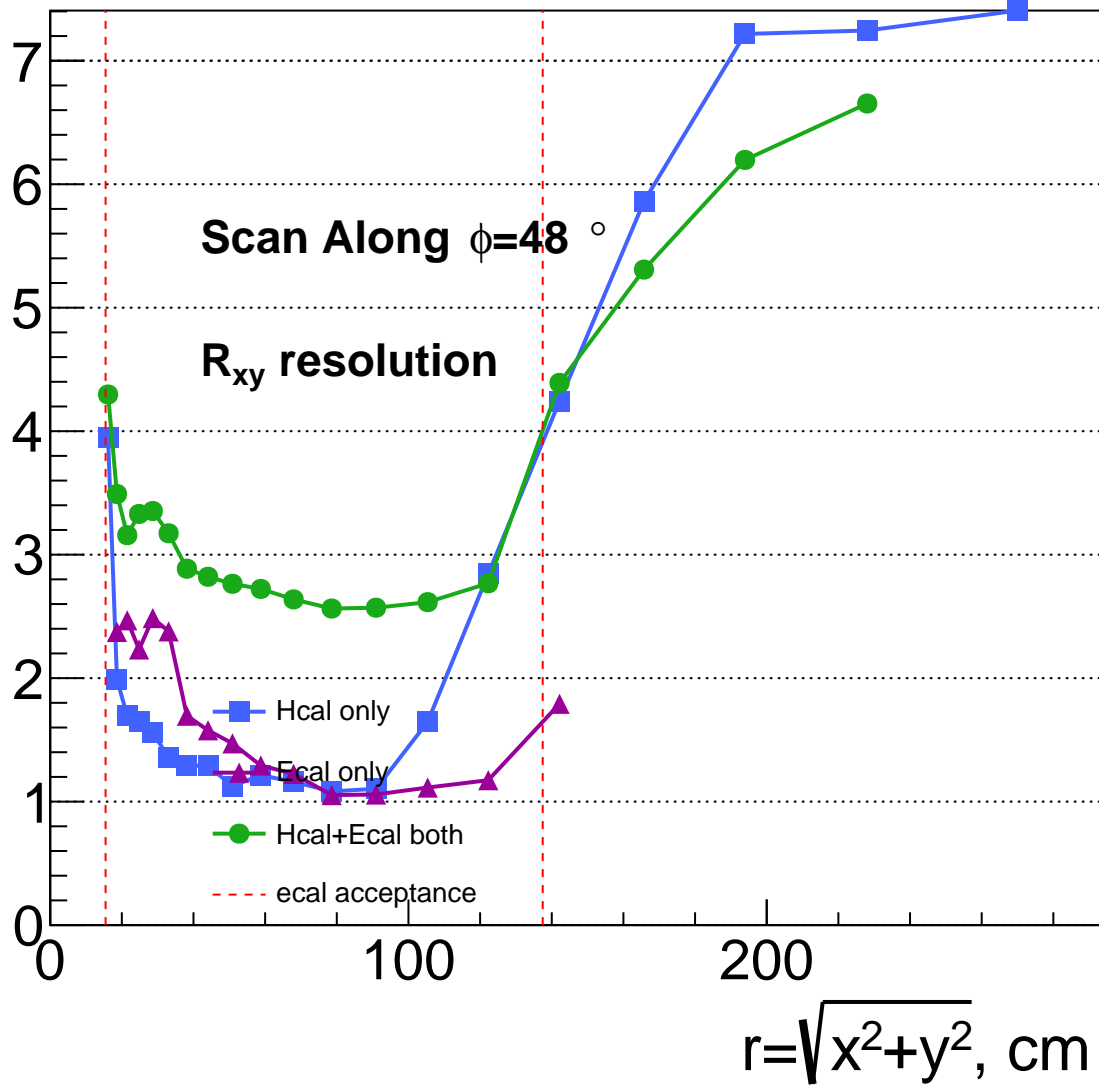


hcal only θ

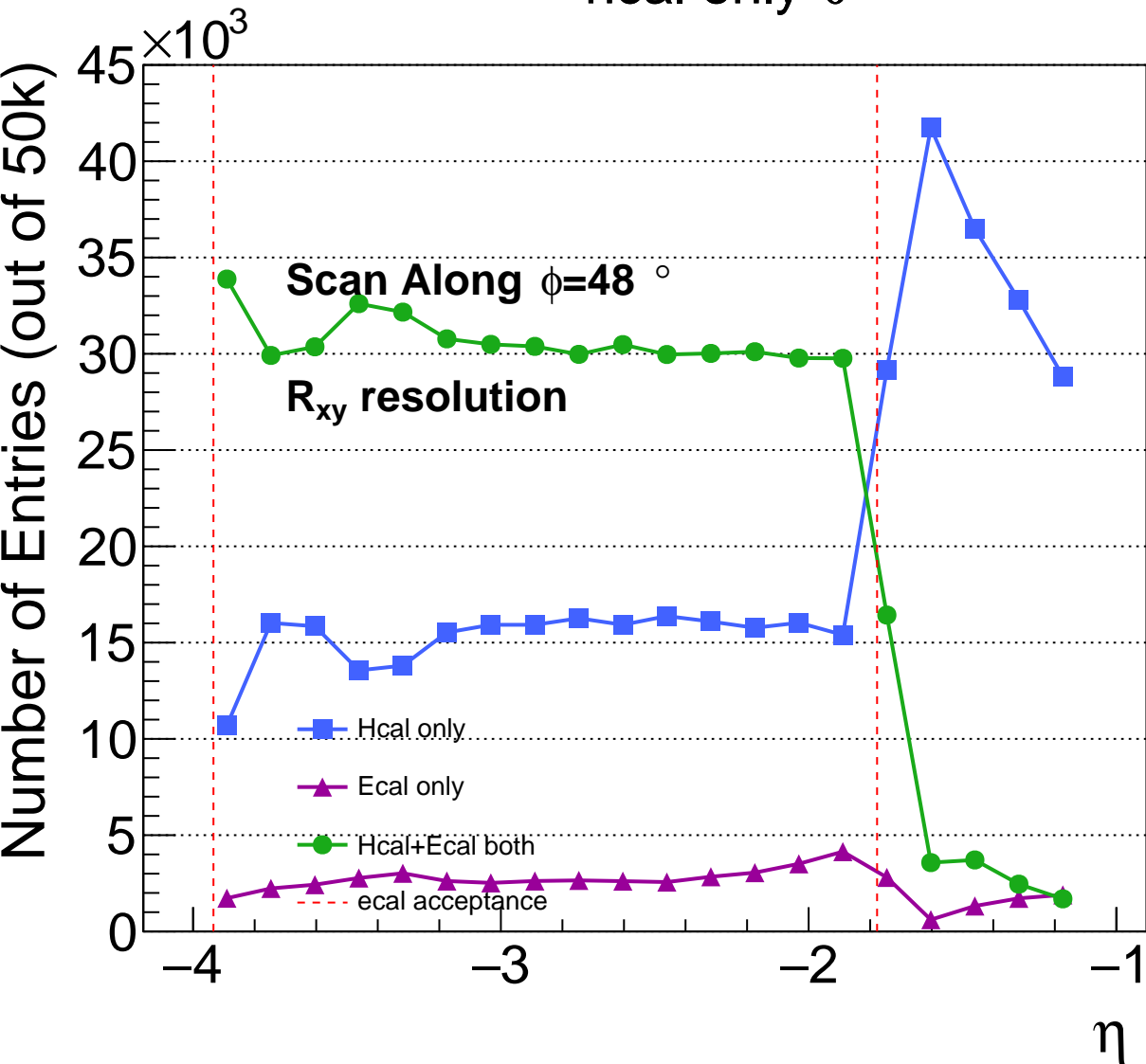


hcal only θ

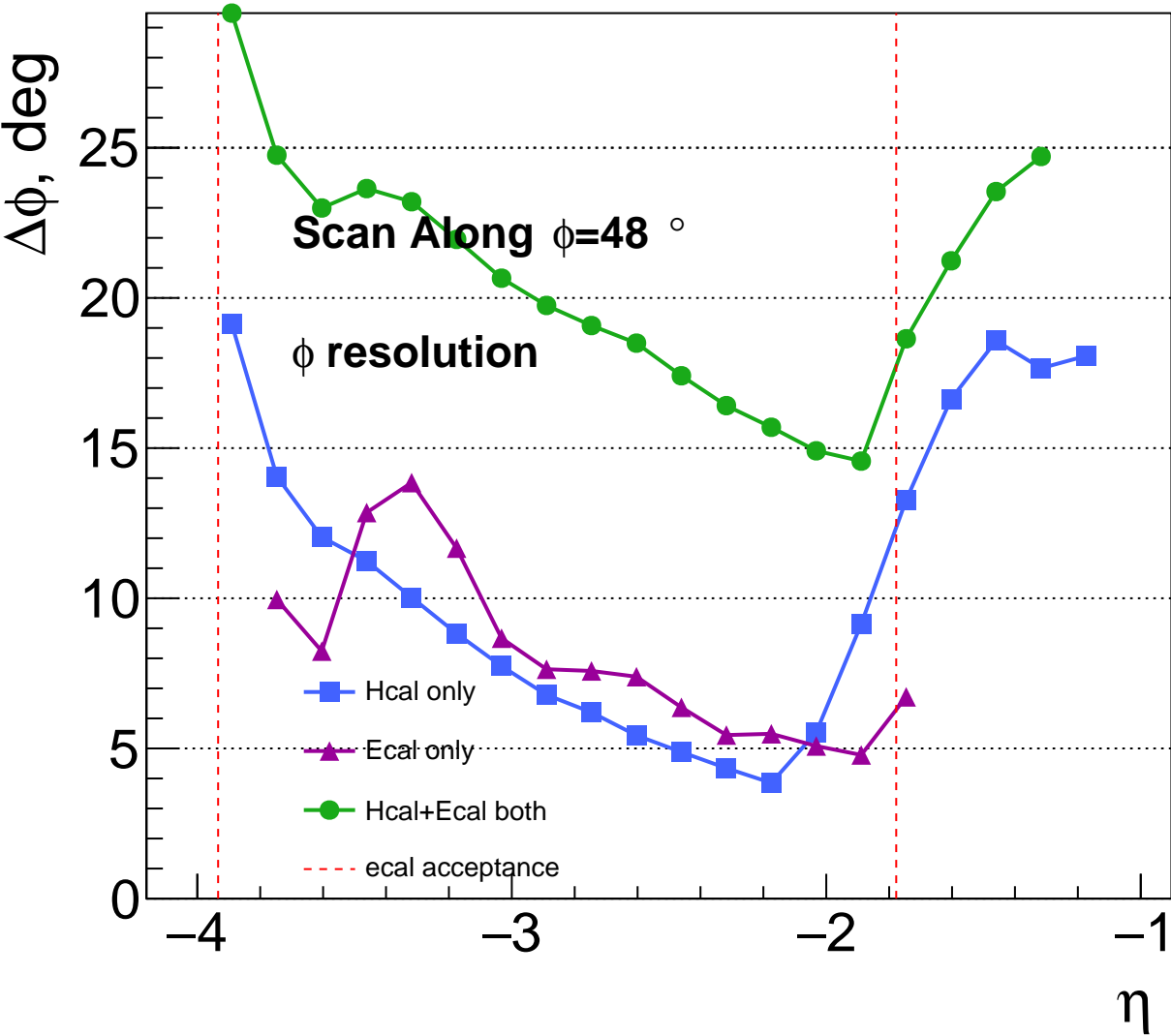
$\Delta\theta$, deg



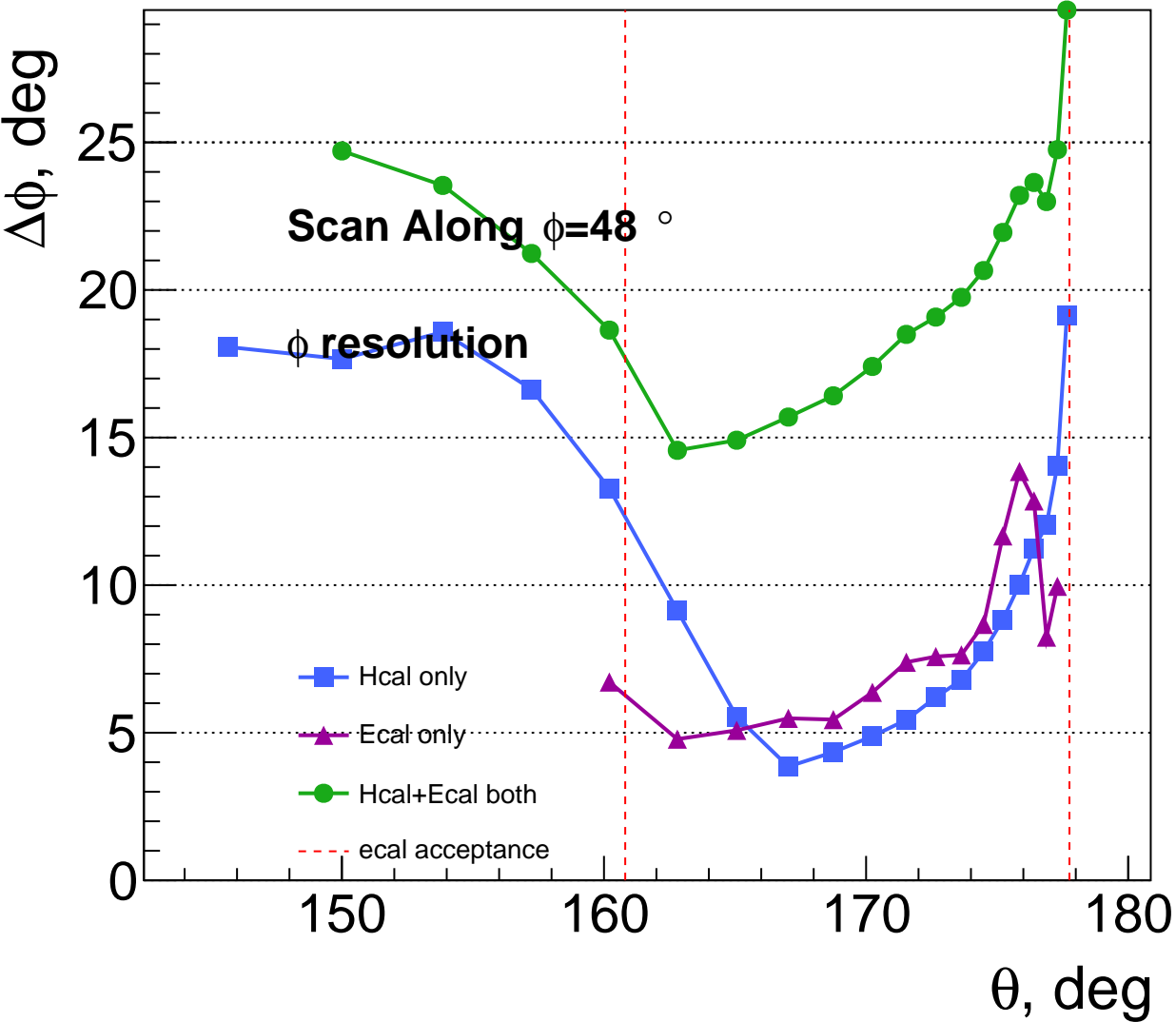
hcal only θ



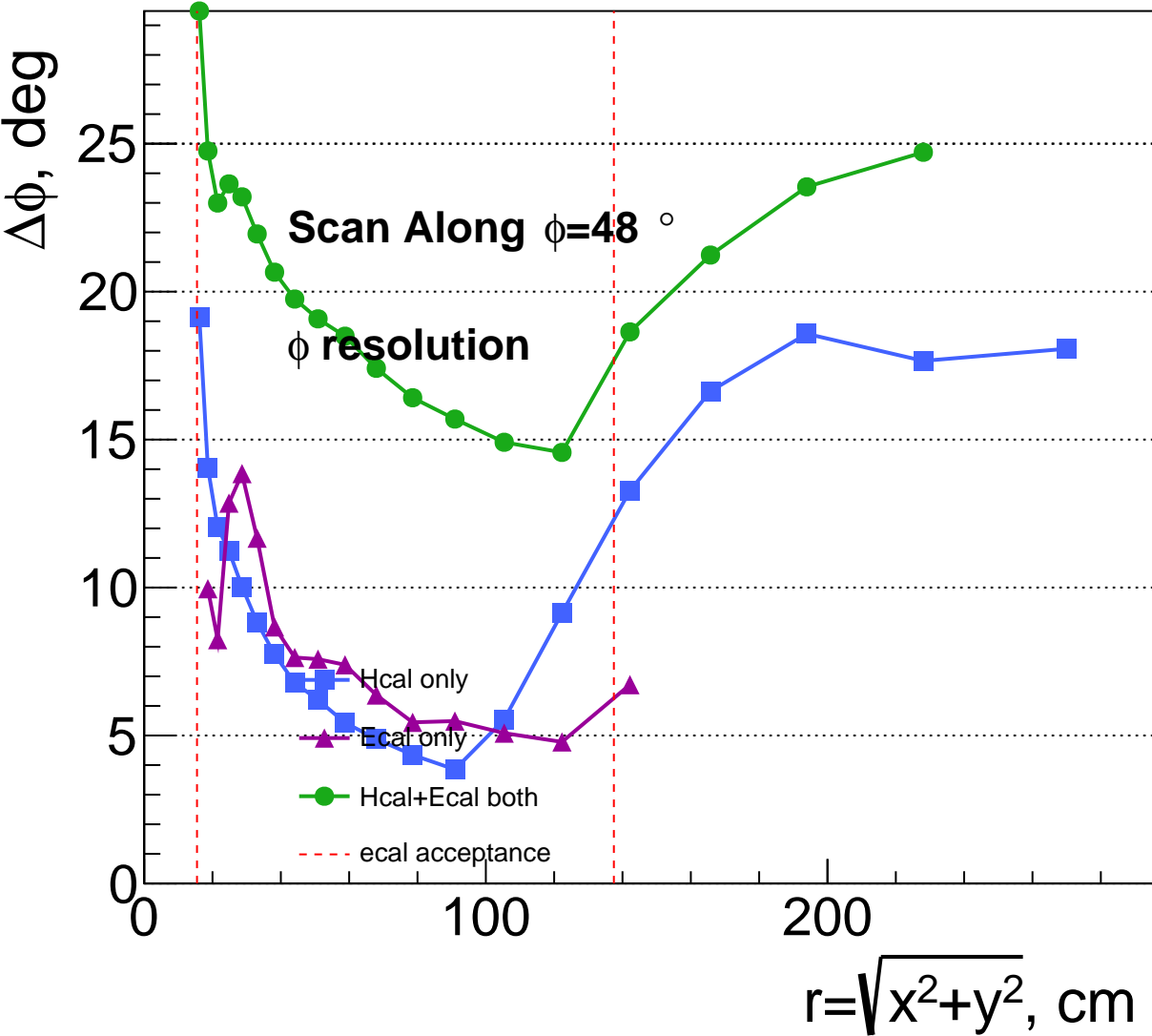
hcal only ϕ

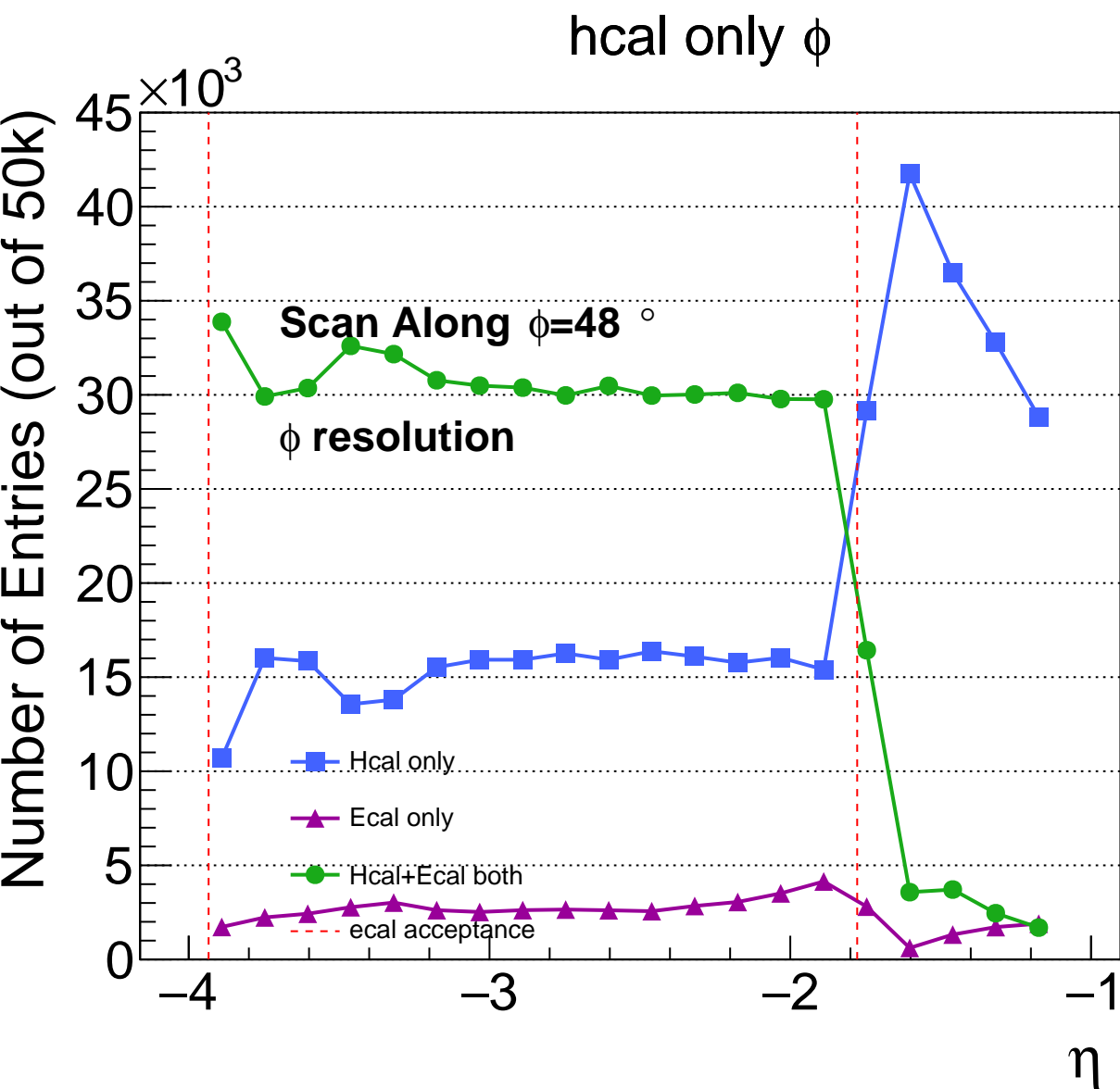


hcal only ϕ



hcal only ϕ



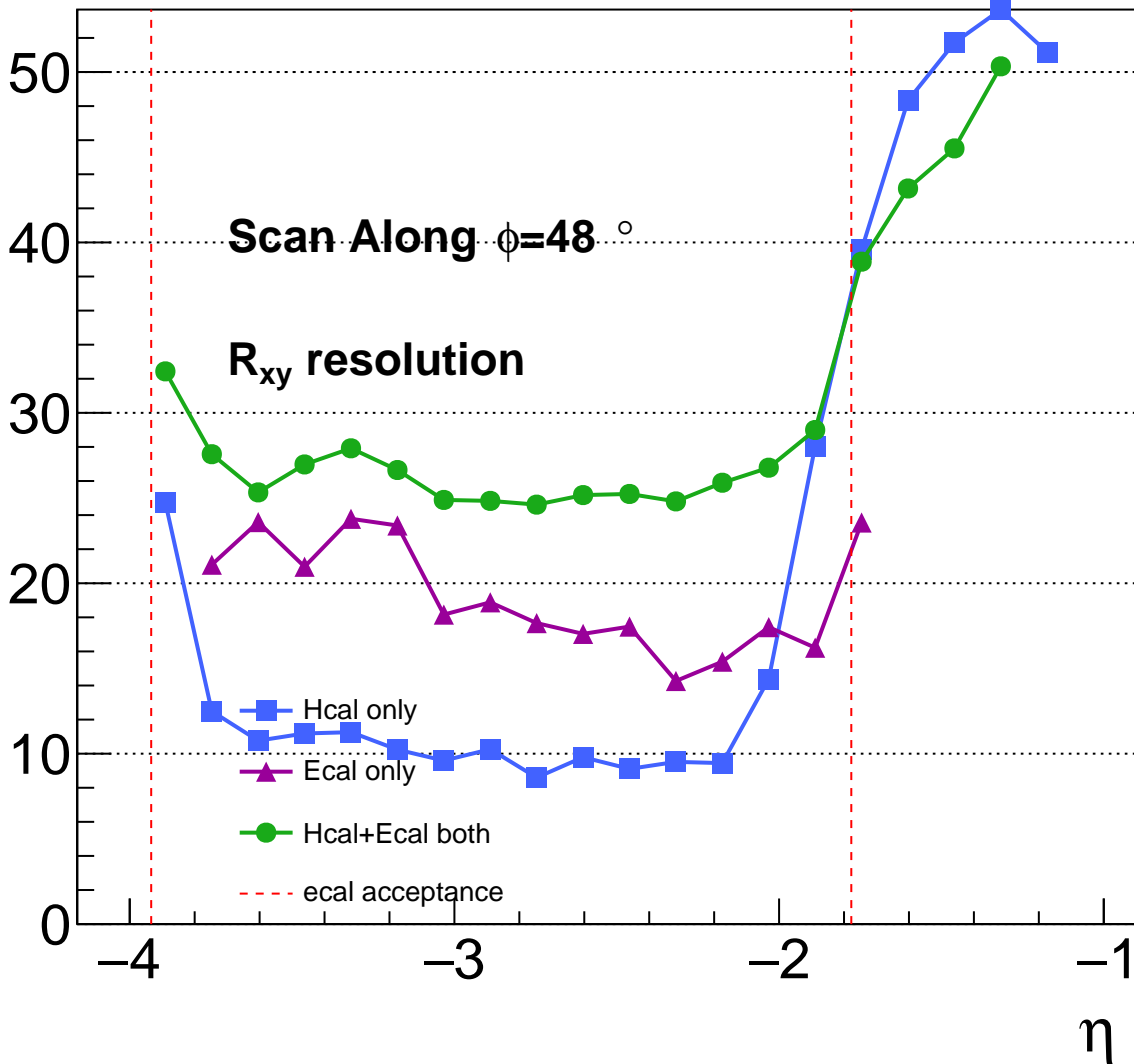


hcal only #Rxy

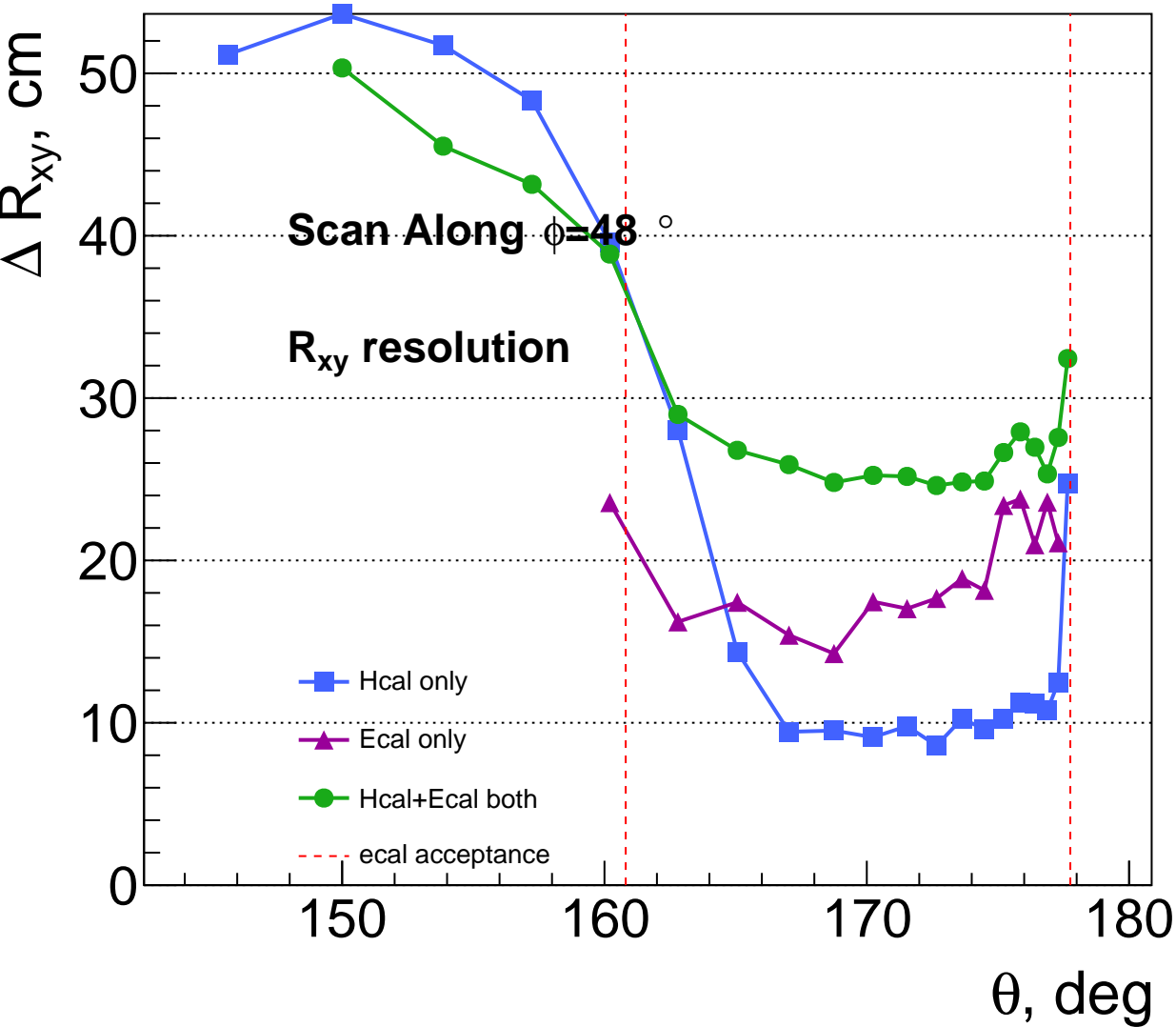
ΔR_{xy} , cm

Scan Along $\phi=48^\circ$

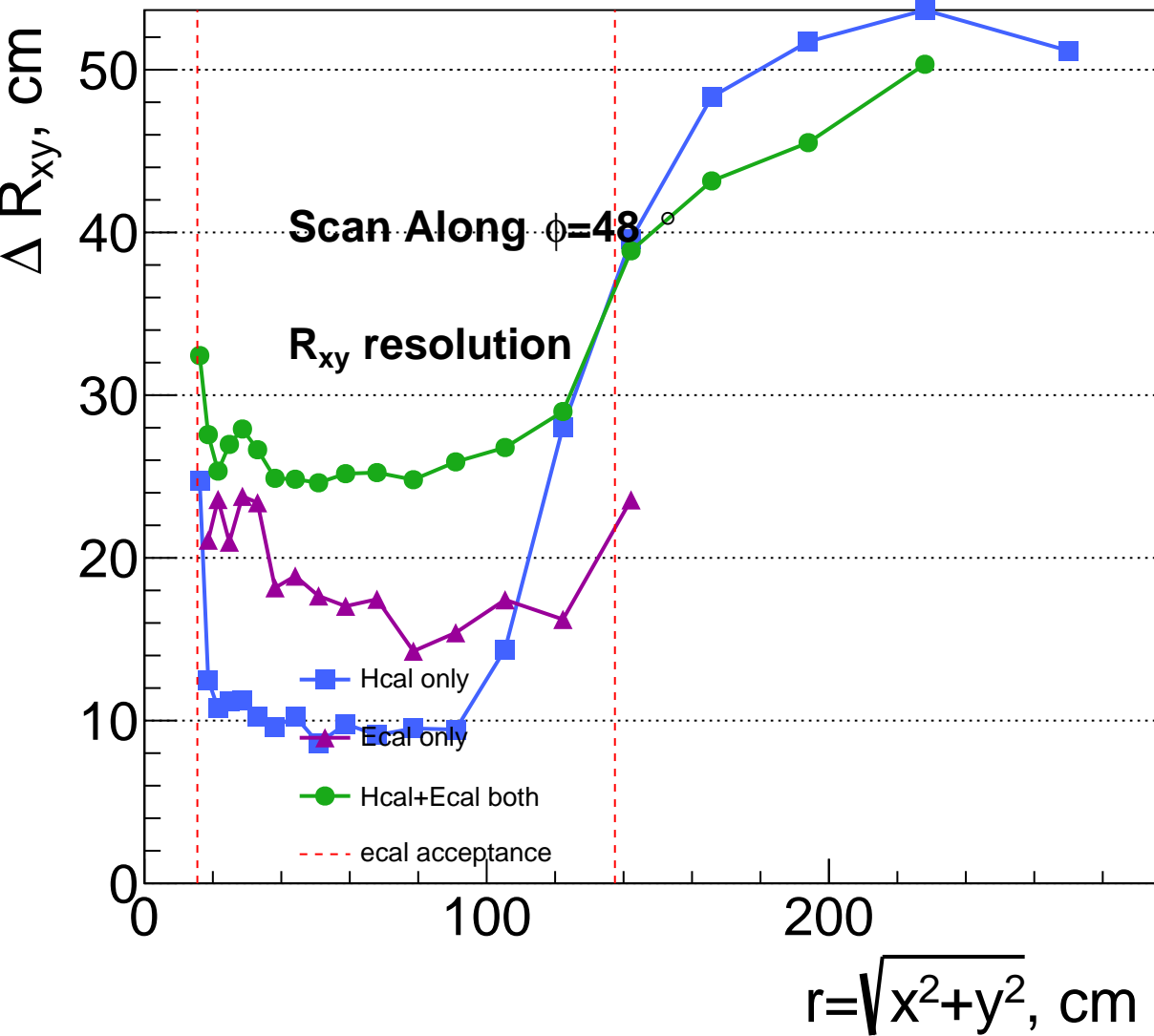
R_{xy} resolution



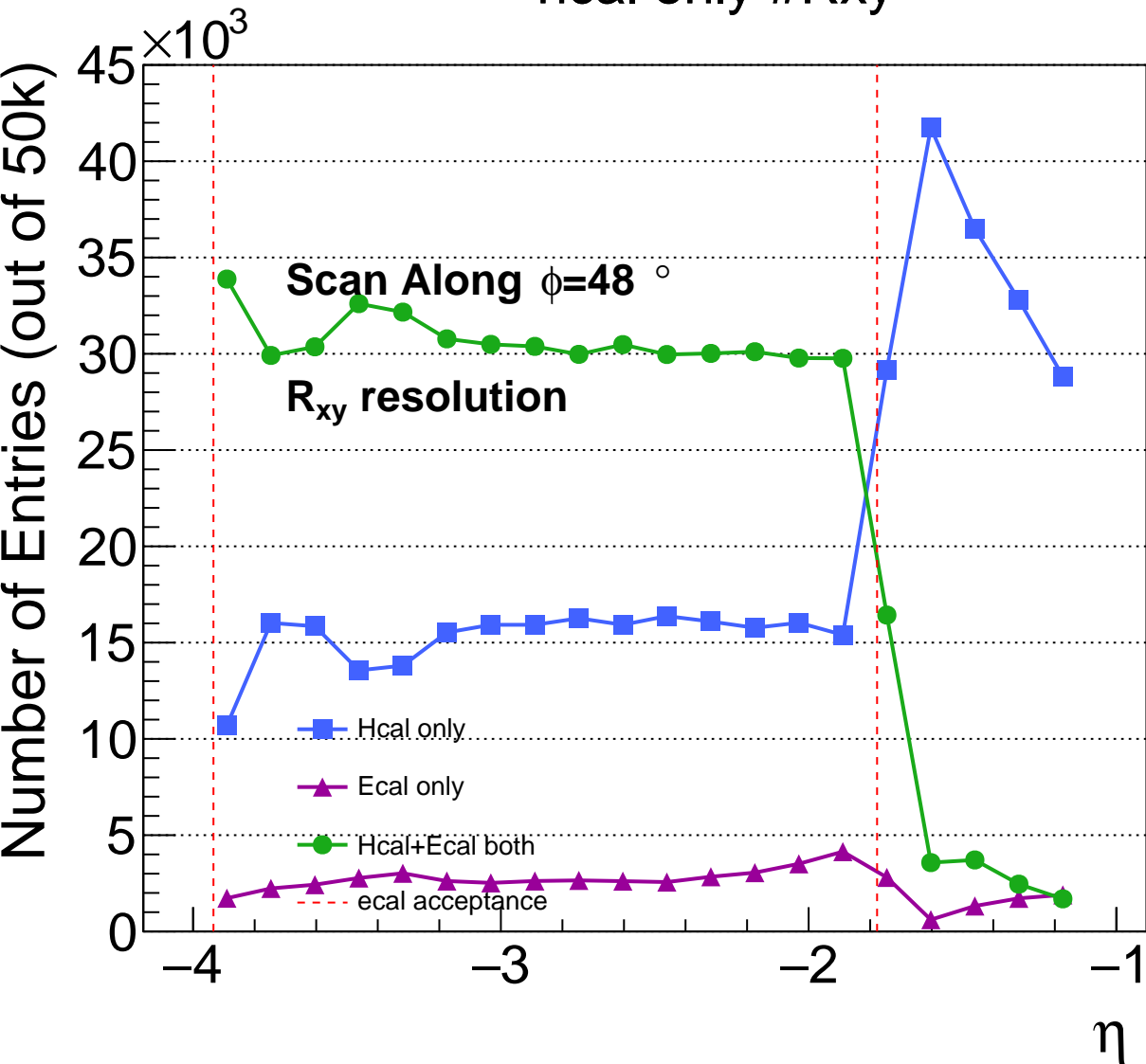
hcal only #Rxy



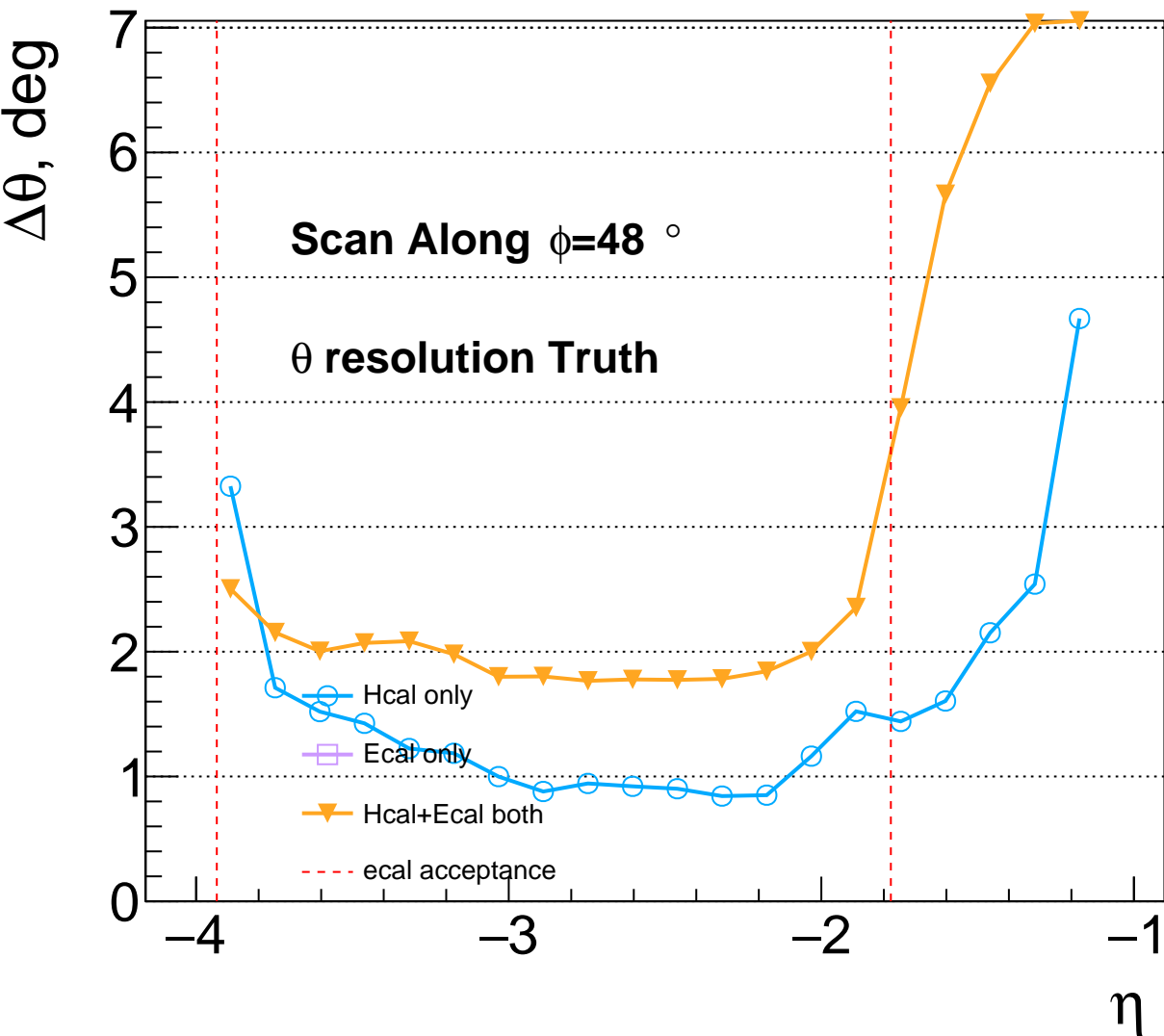
hcal only #Rxy



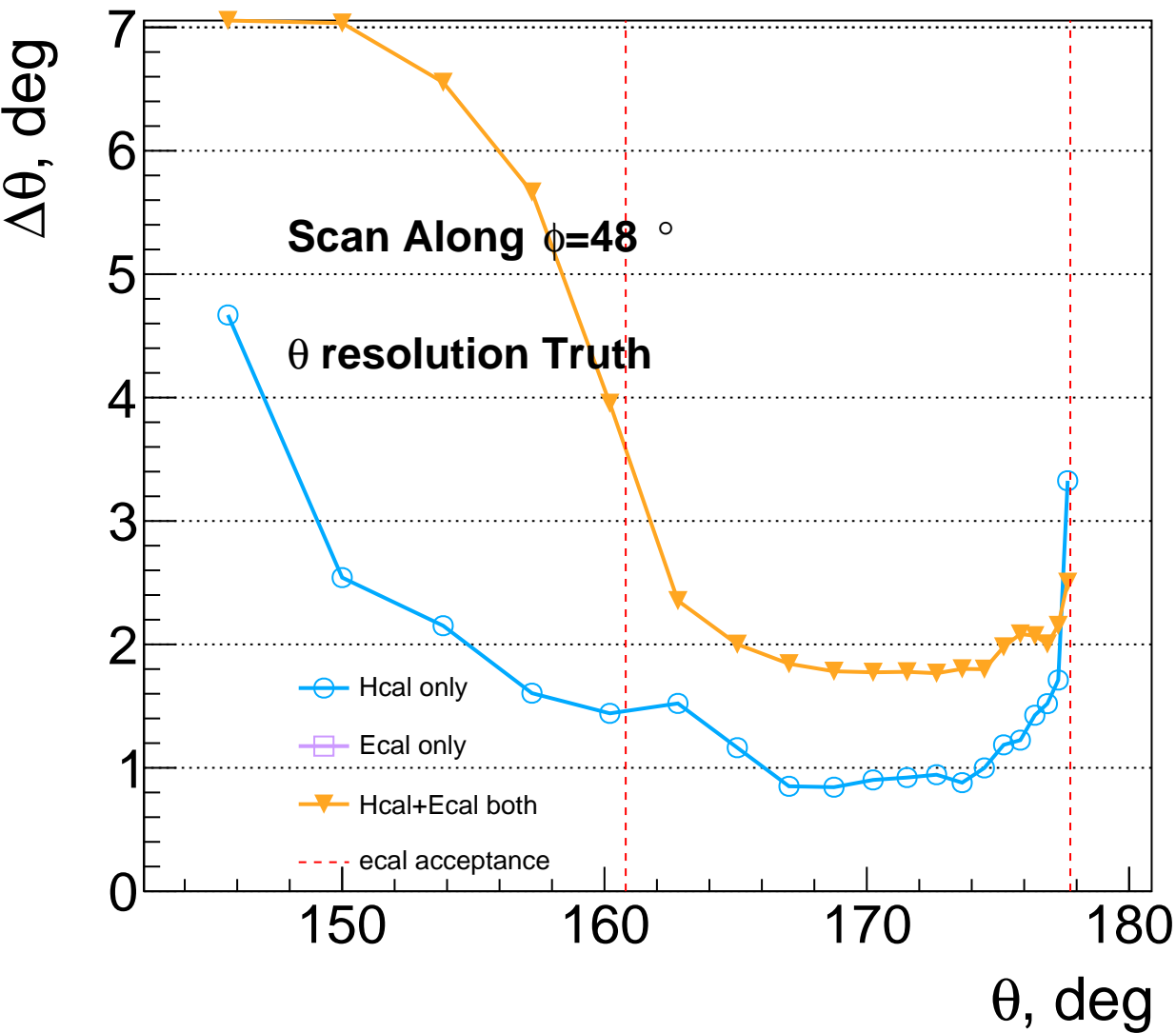
hcal only #Rxy



hcal only θ Truth

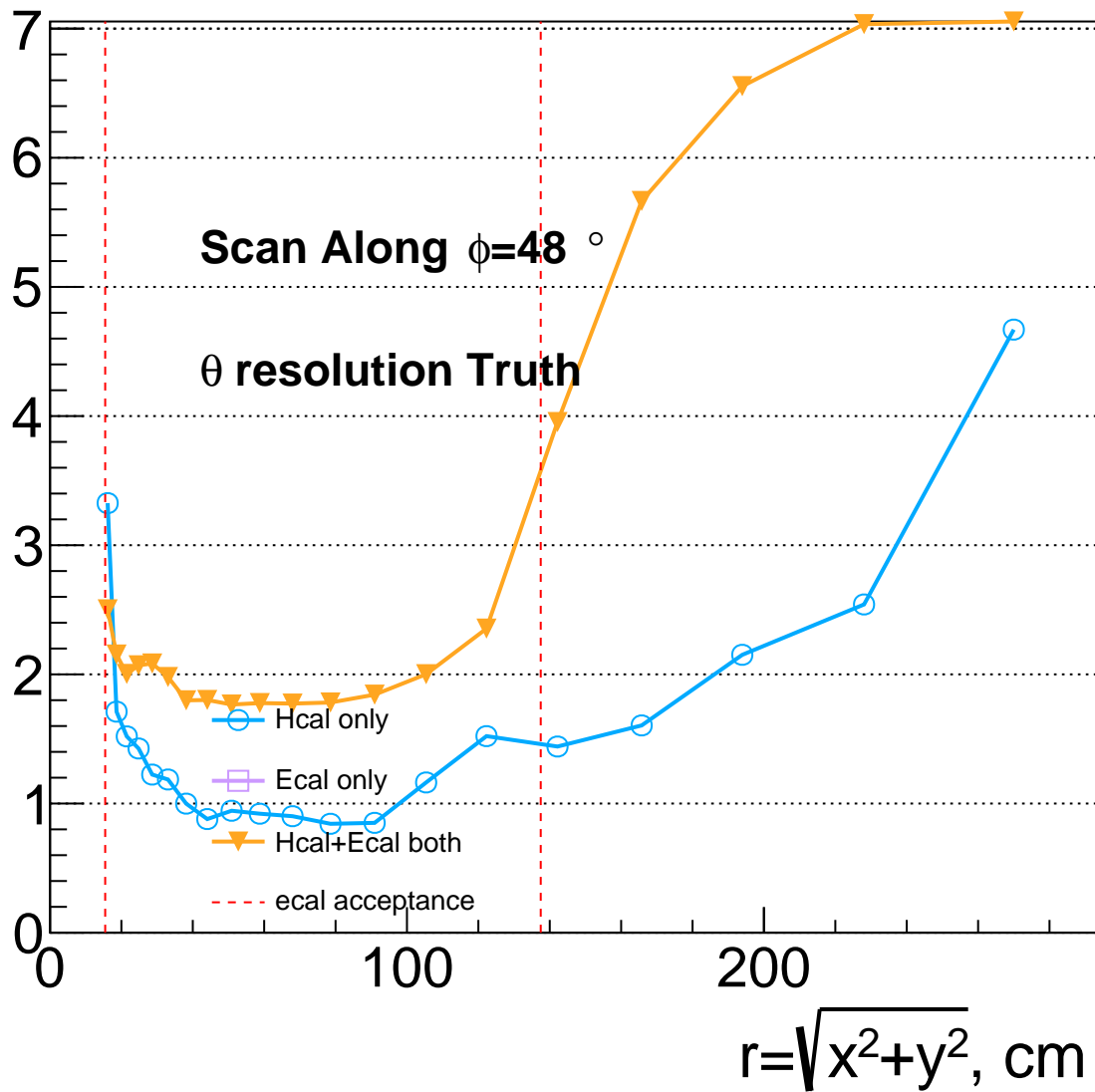


hcal only θ Truth

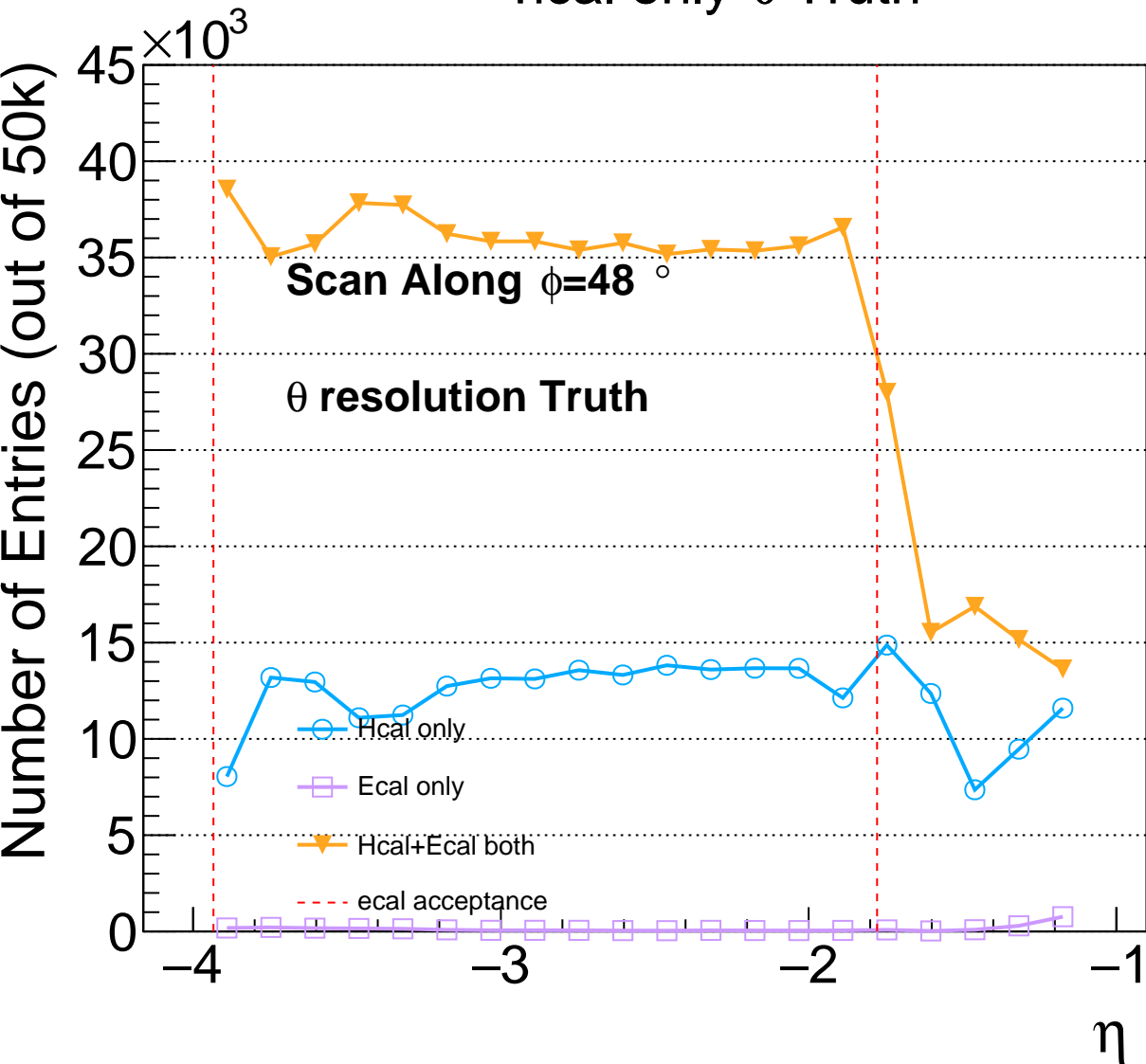


hcal only θ Truth

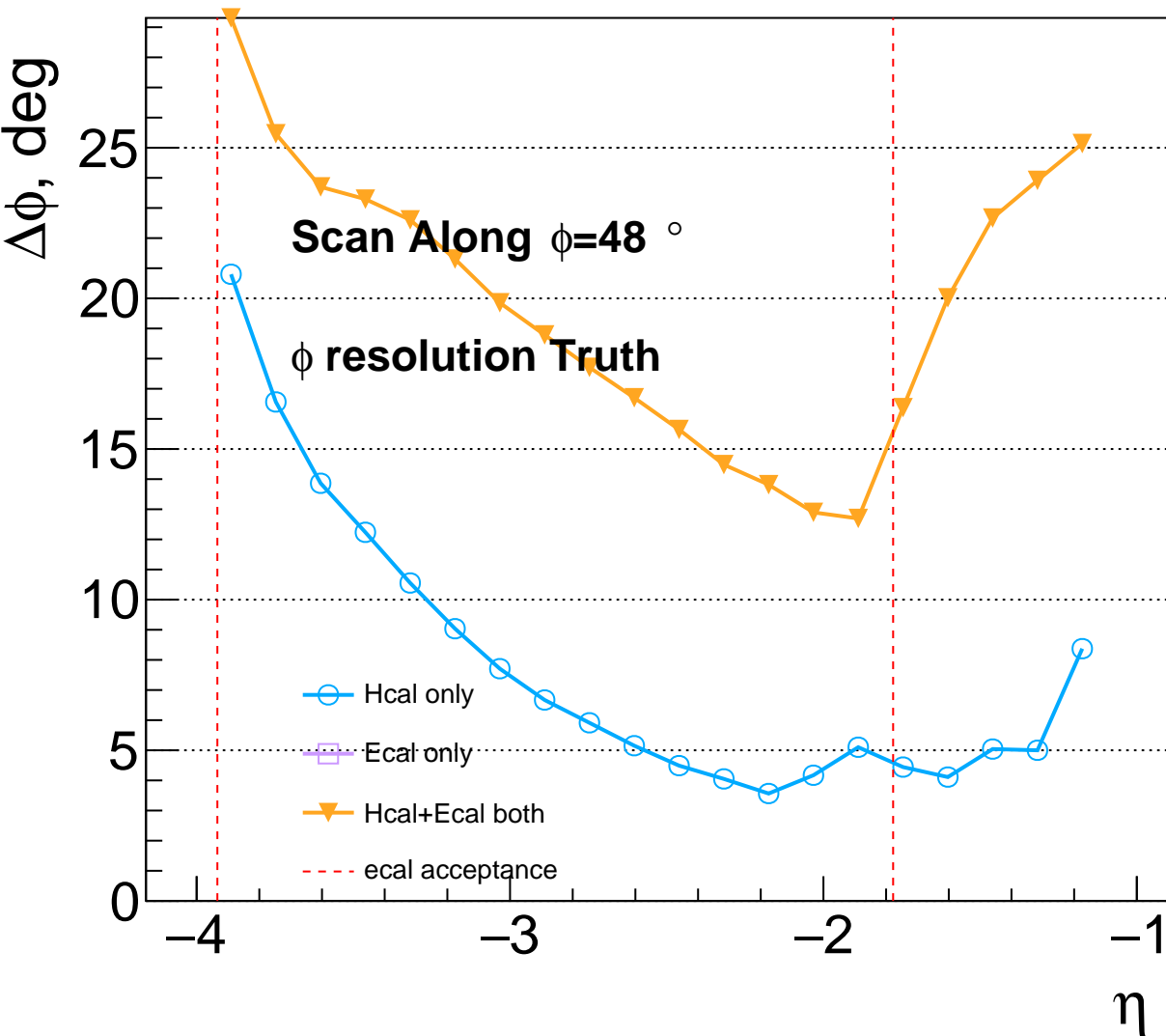
$\Delta\theta$, deg



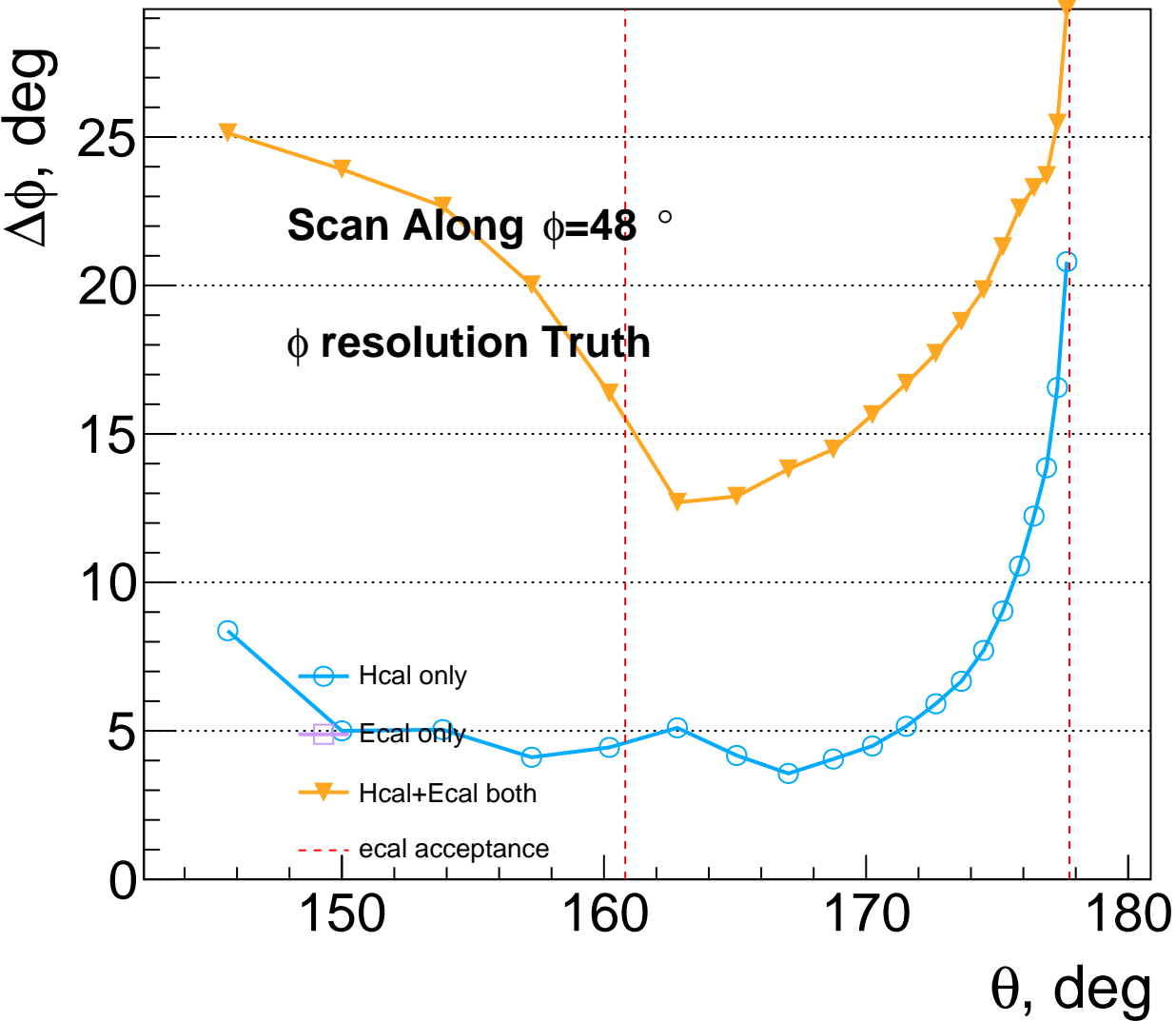
hcal only θ Truth



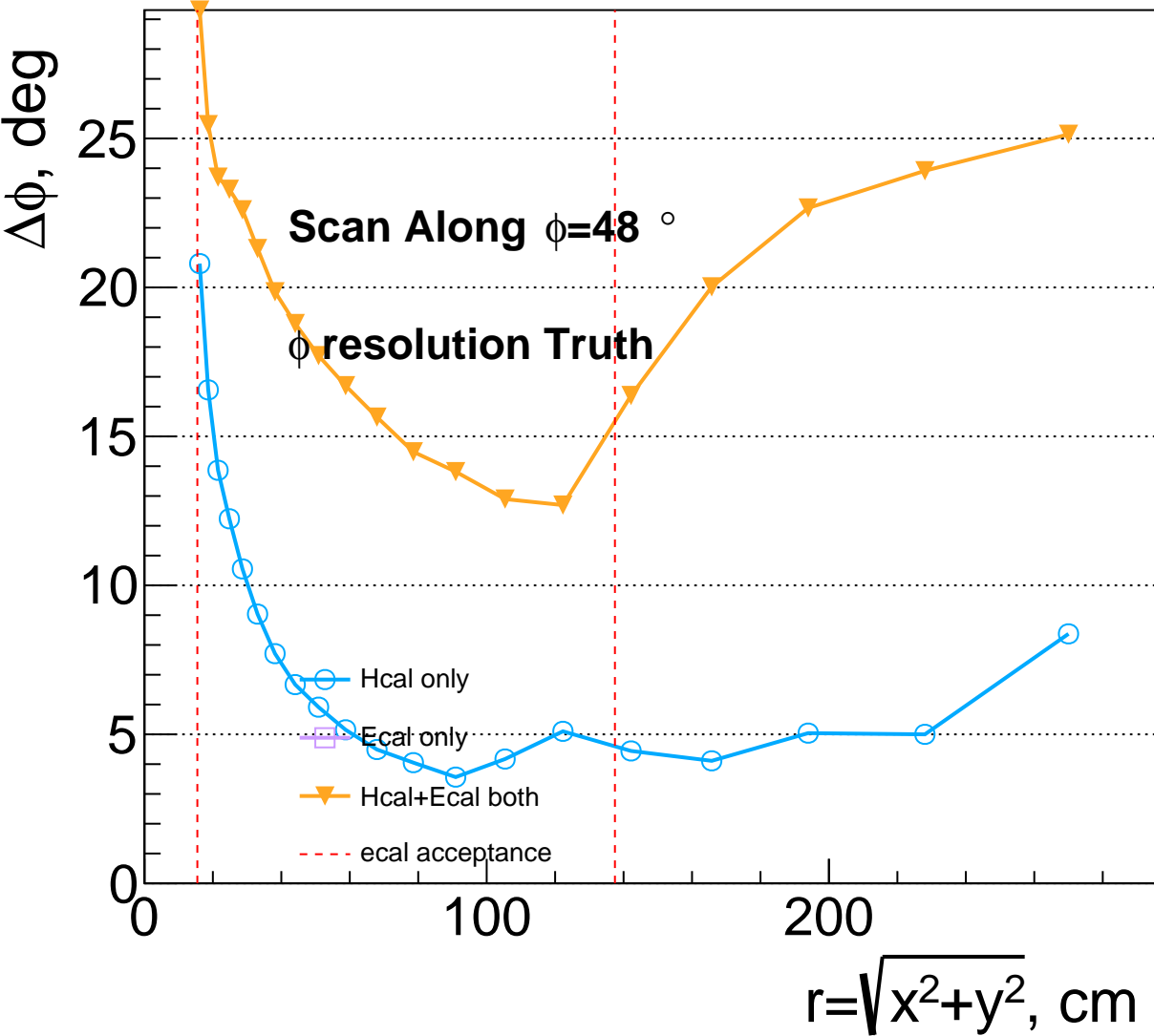
hcal only ϕ Truth



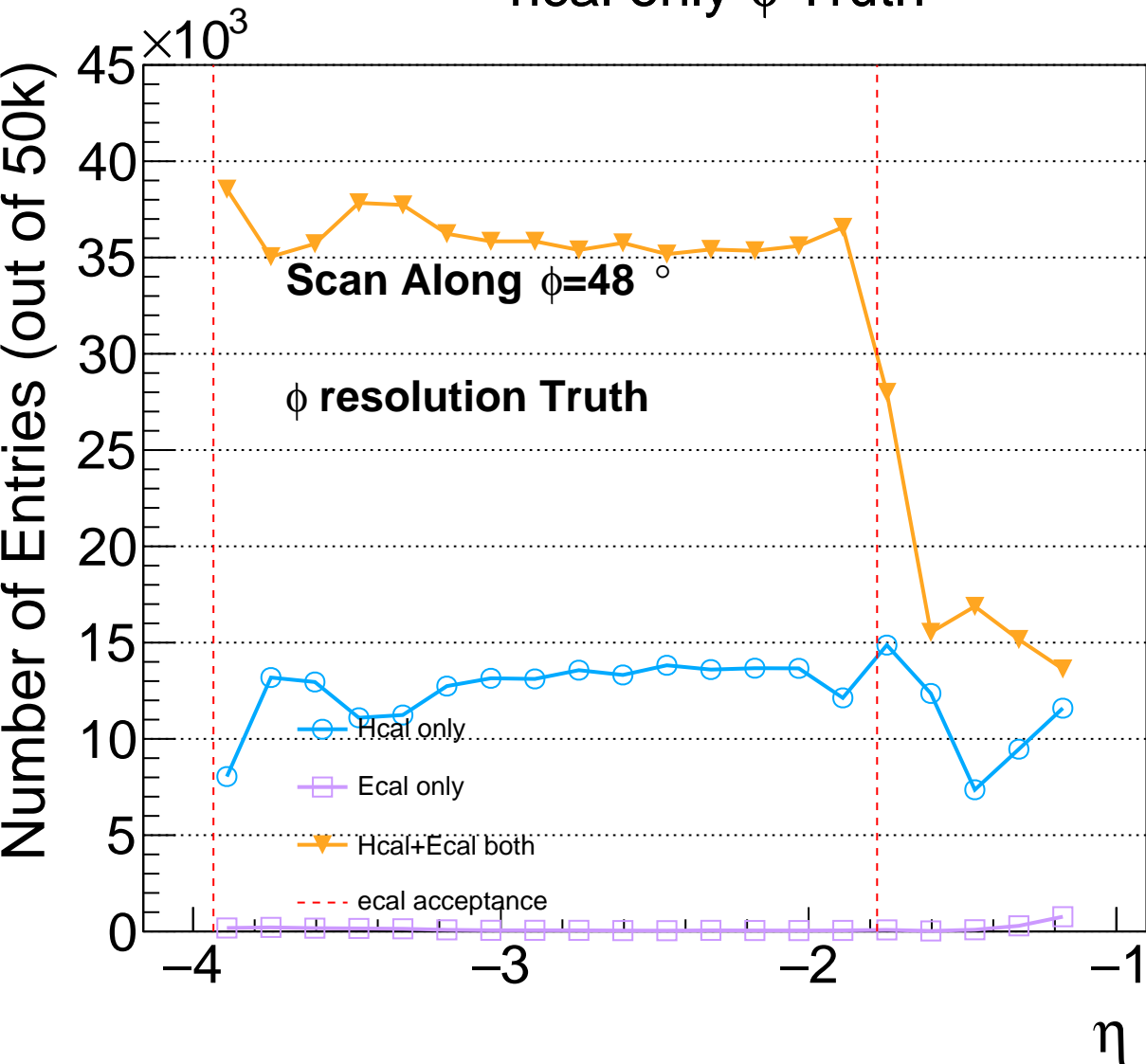
hcal only ϕ Truth



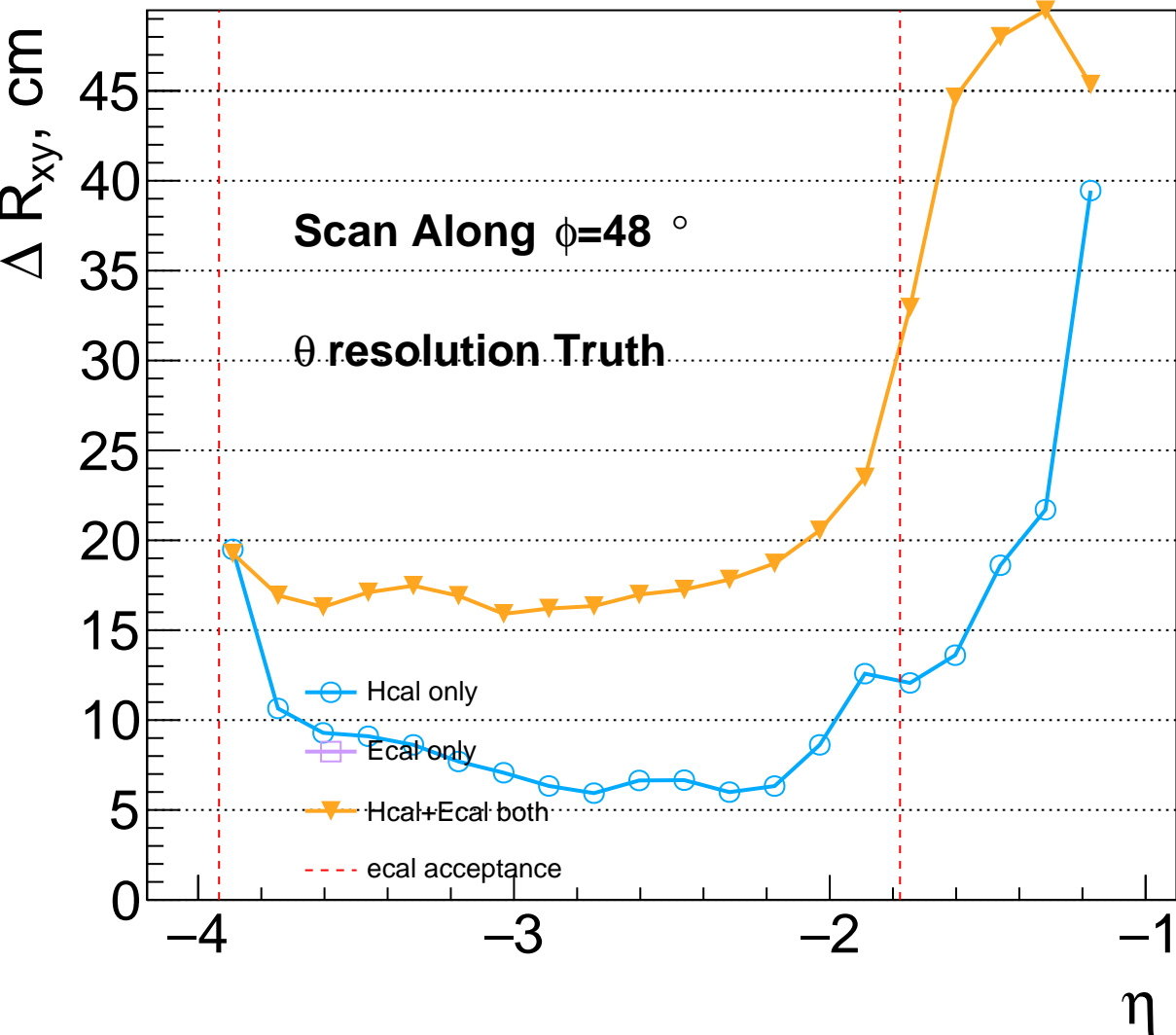
hcal only ϕ Truth



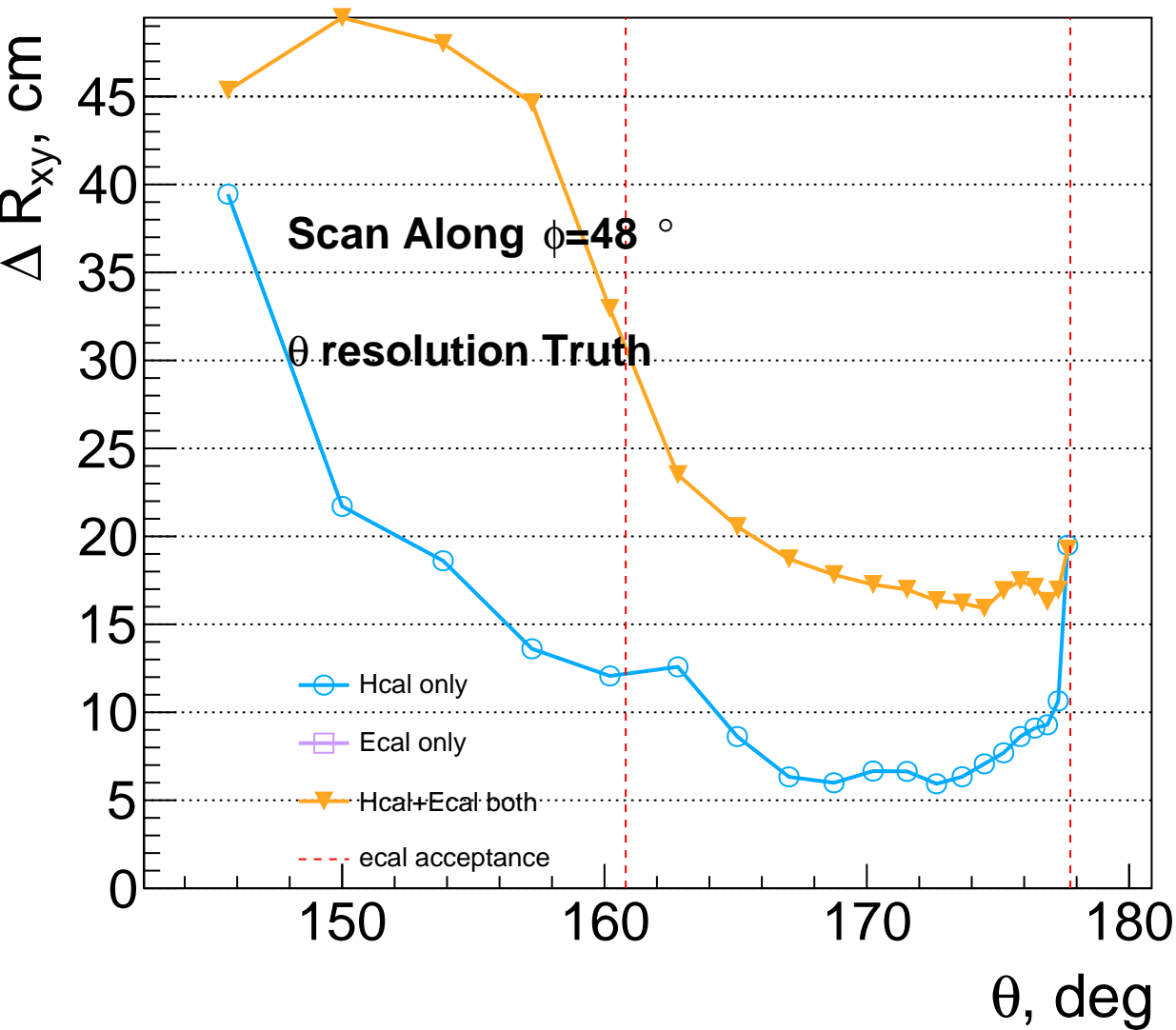
hcal only ϕ Truth



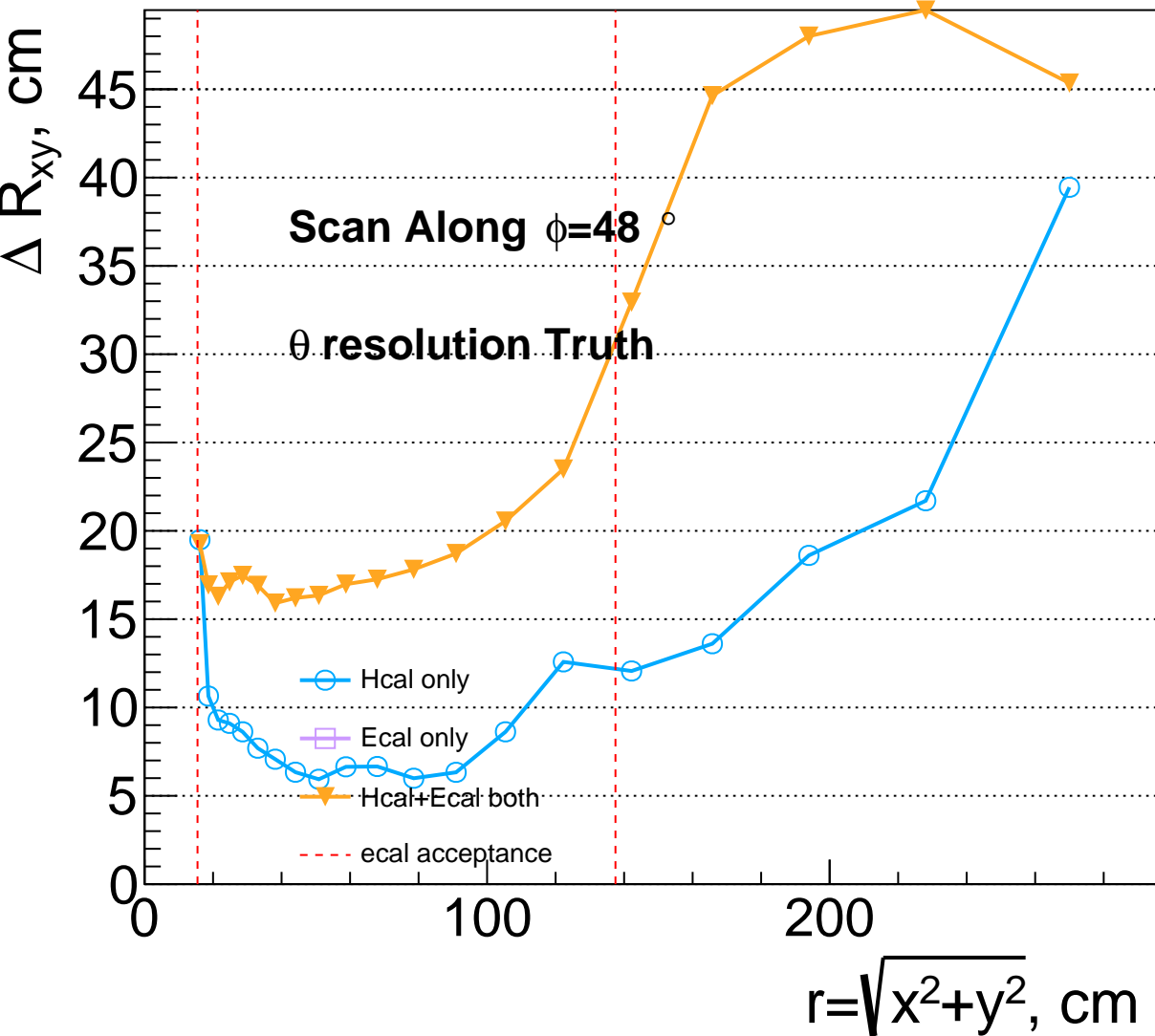
hcal only #Rxy Truth



hcal only #Rxy Truth



hcal only #Rxy Truth



hcal only #Rxy Truth

