## **Angular resolution**

## Name of the game:

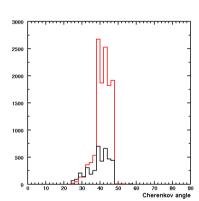
In events that pass precuts, let's try to select event which are QE & have a visible proton(VP)



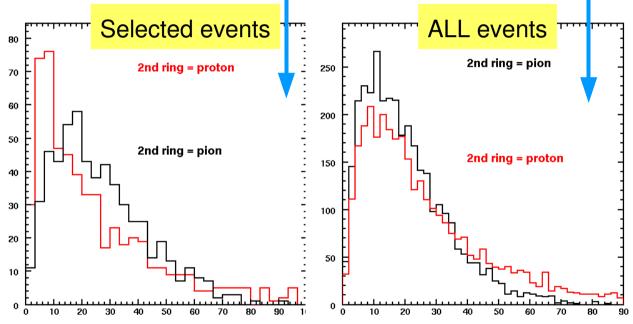
## **Selection cuts:**

Cherenkov angle of least energetic

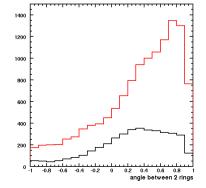
ring <38



Cos(Anale between 2 rings) < 0.5



Angle between true and reconstructed zenith



So with 2 very simple cuts I can make the angular resolution slightly better by identifying the proton.

Note: the energy resolution is still too bad

Reminder:
precuts= FCFV,2rings,most
energetic ring=mulike
Signal= QE+VP
BG= non-QE or no VP