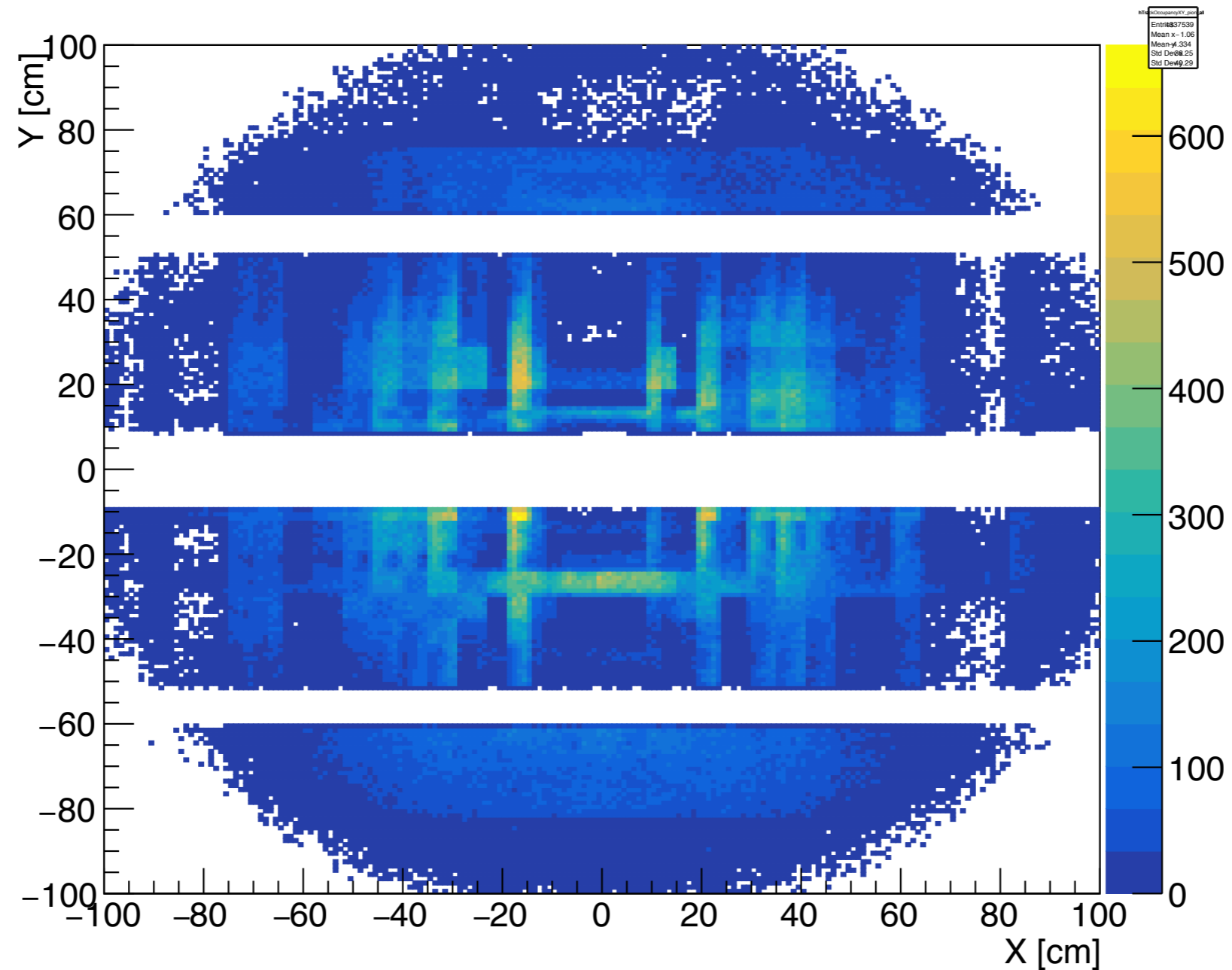


2019-11 with FastDRIC: a VERY preliminary first look

Yunjie Yang
Dec. 12, 2019

- Data: partially of Run 70817 — 70844
- Produced with dirc_tree plugin: ρ, ϕ + track selection

extrapolated point



“Photon Yield” (“Nph”)

- “Nph” = number of hits if the hit is within some distance from any of the “support points”:
- Certainly contains noise
- It depends on 1) the width of the “bands”, which is determined by the modeling of the geometry (without smearing) and 2) the distance measure, which needs to be studied.
- Disclaimer: for now, ignore the absolute scales, but relative numbers could be useful

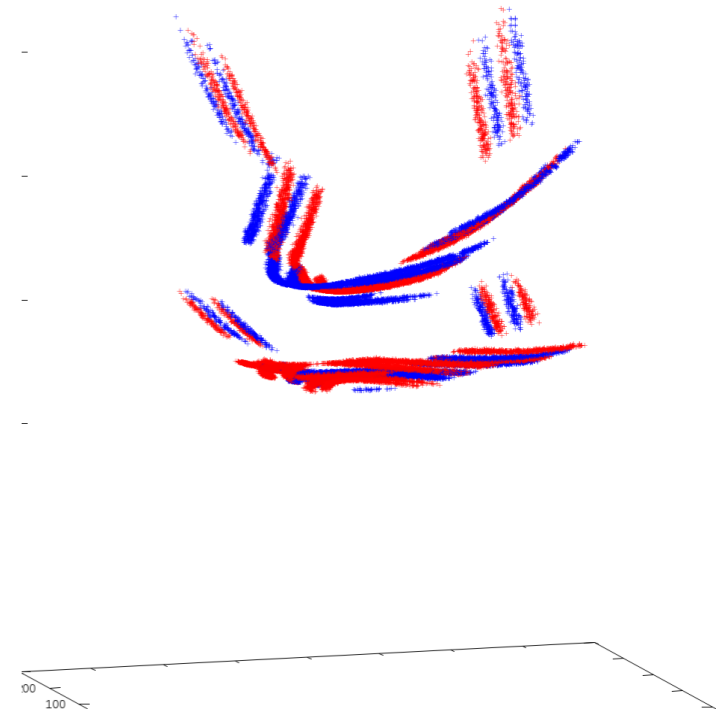
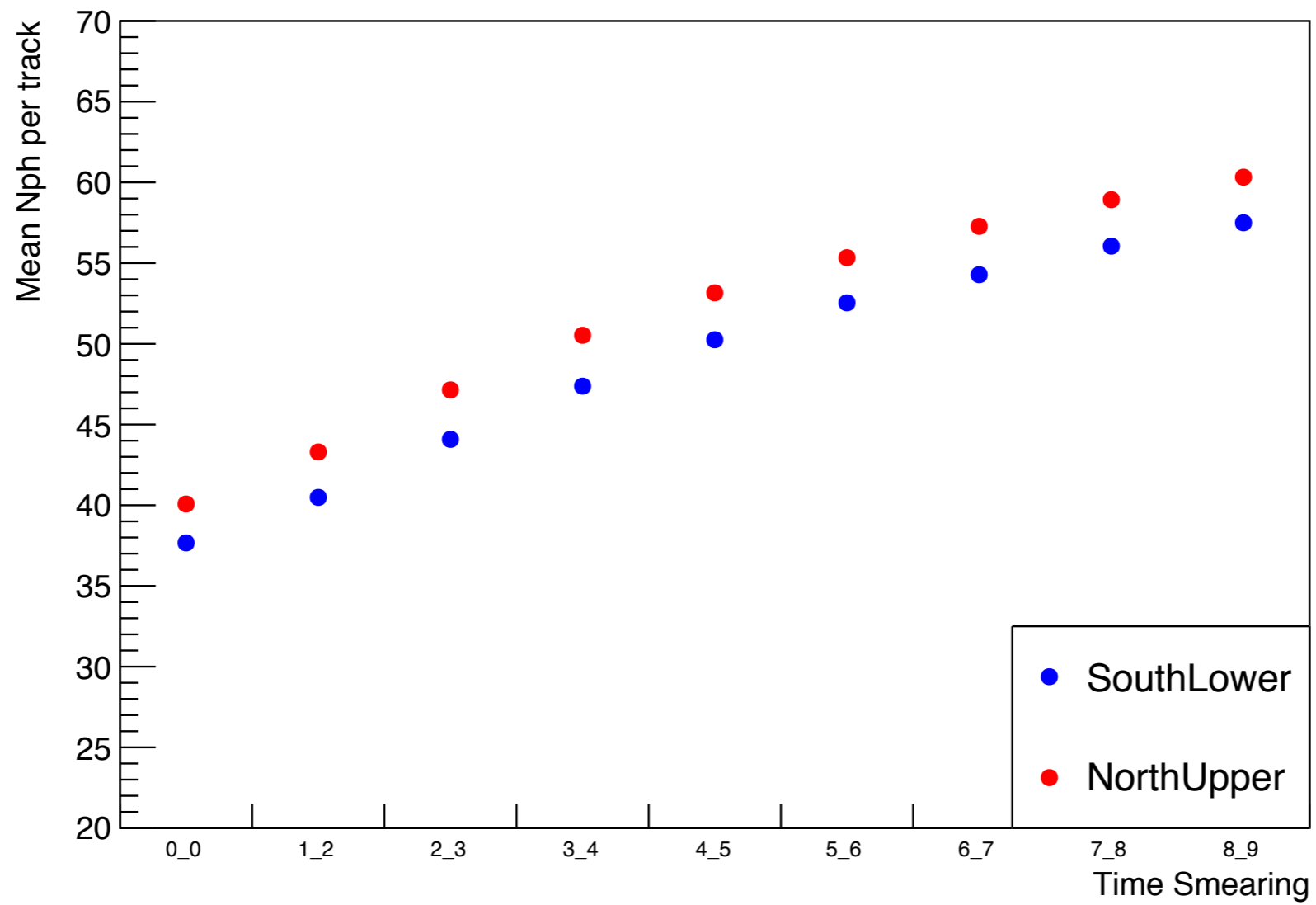


Figure 2-28: John Hardin thesis

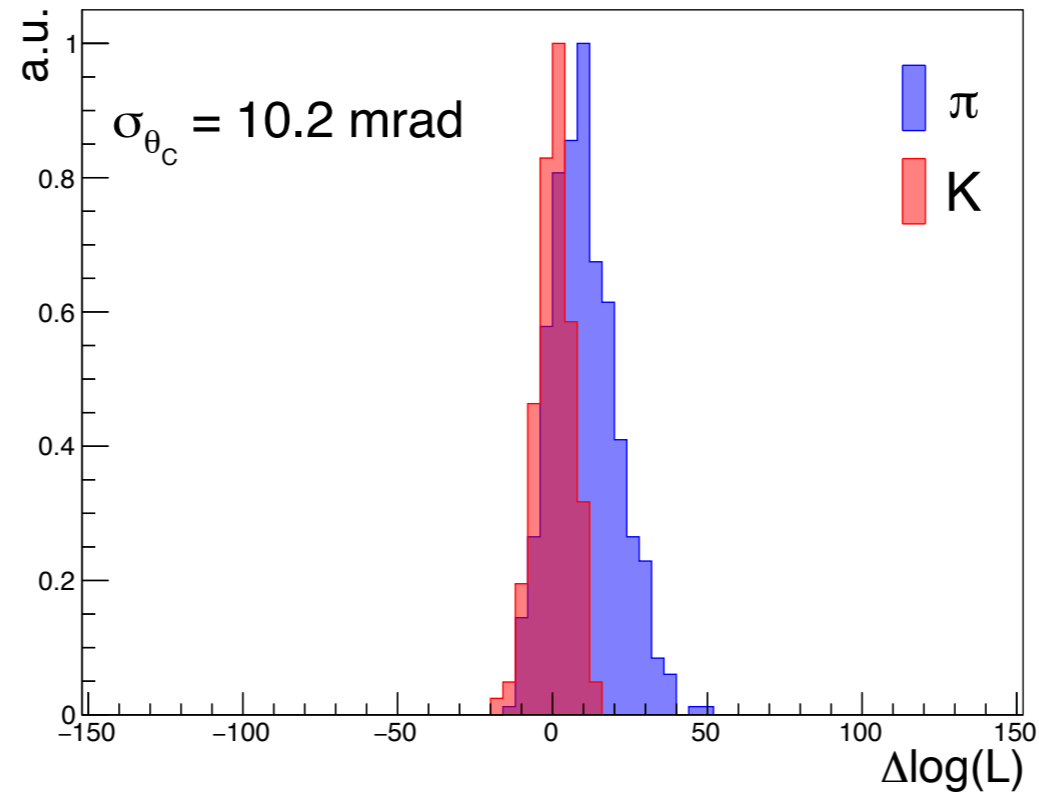
"Nph" (π)



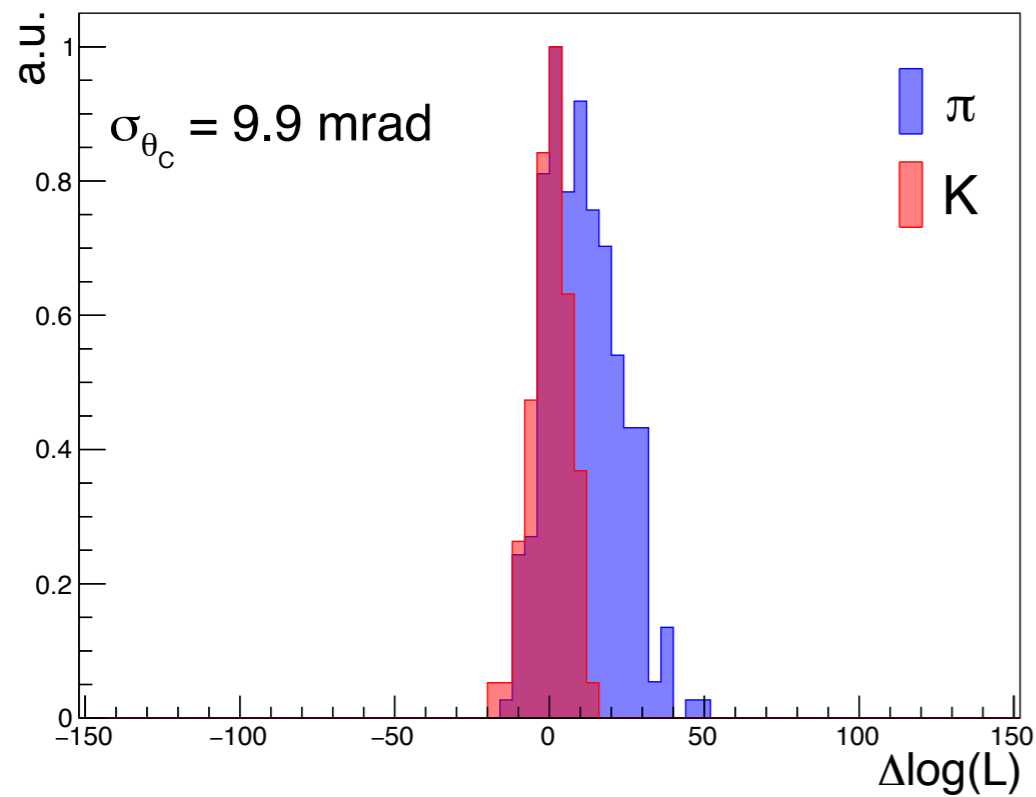
widen the “bands” in z-direction —>

No time-smearing

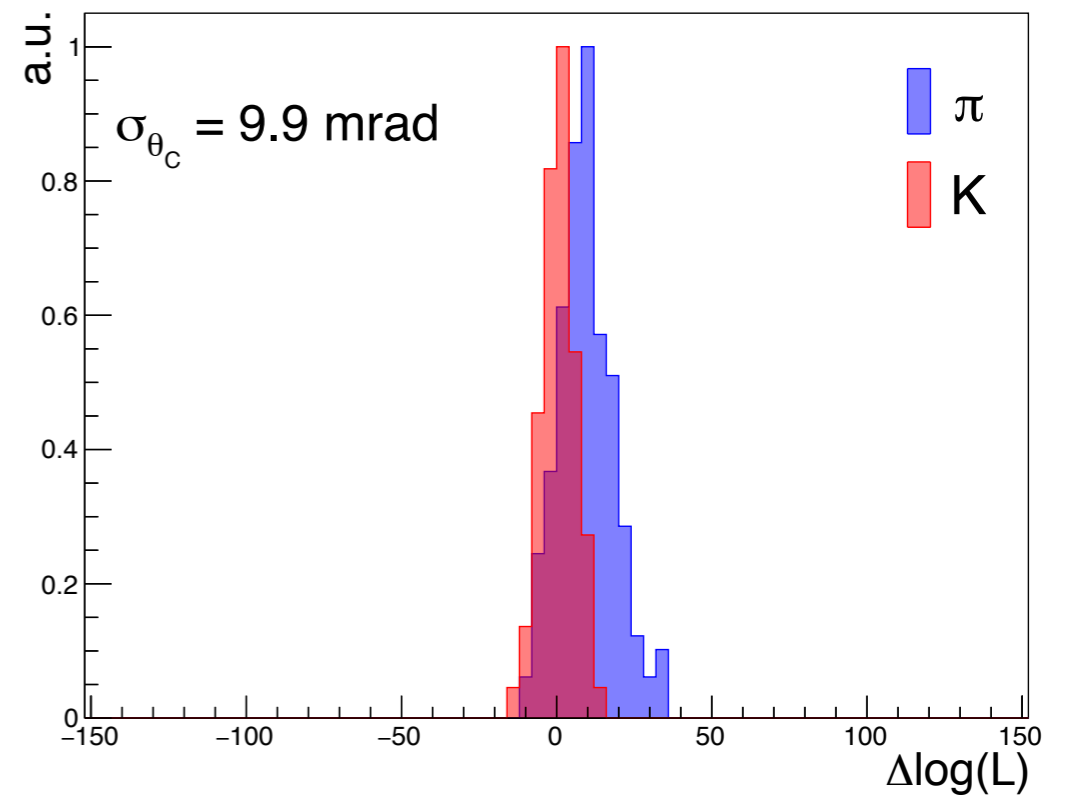
Combined

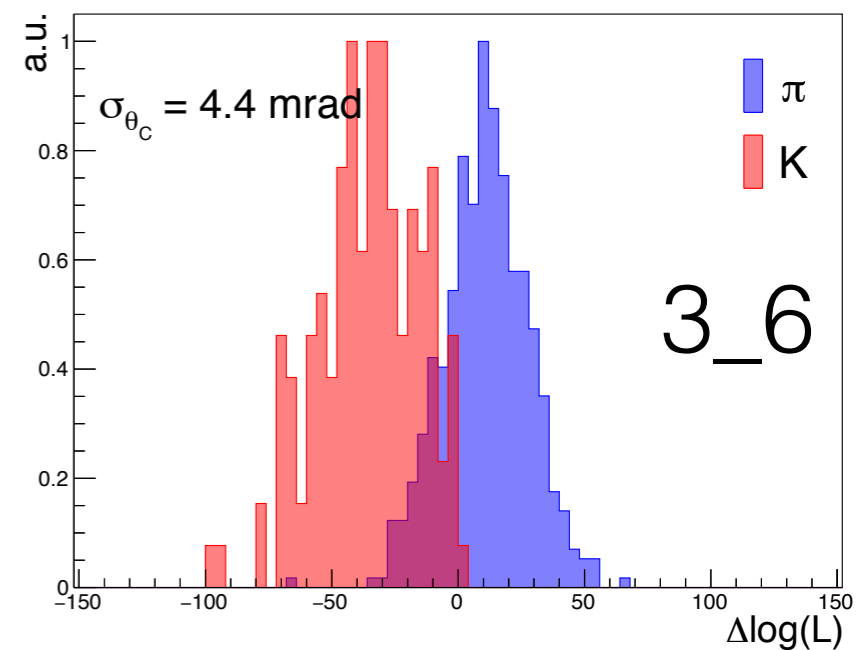
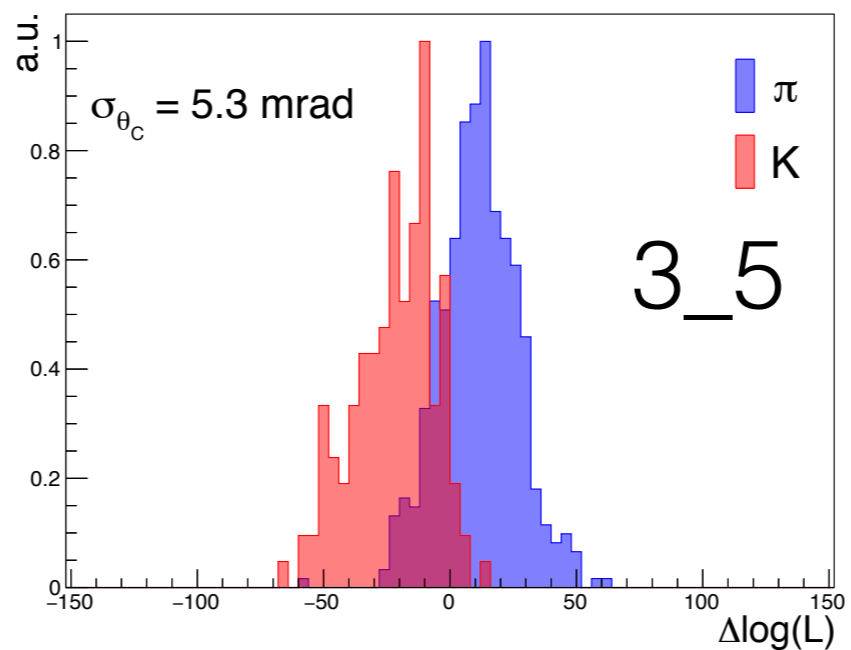
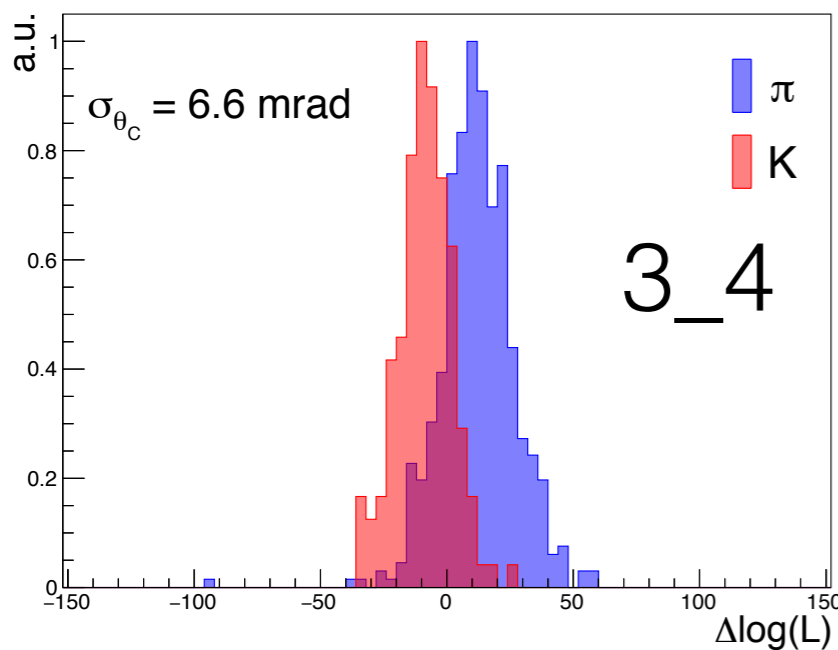
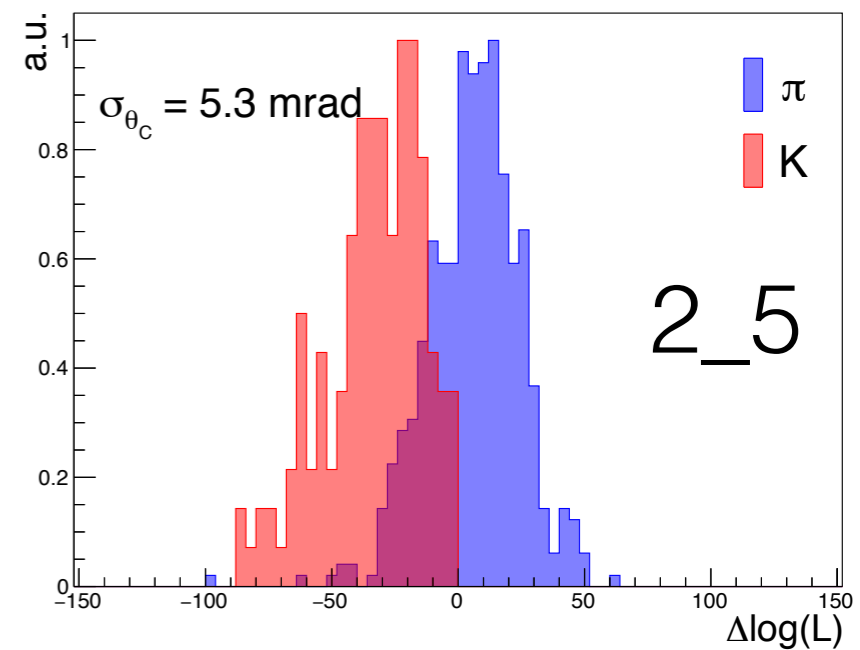
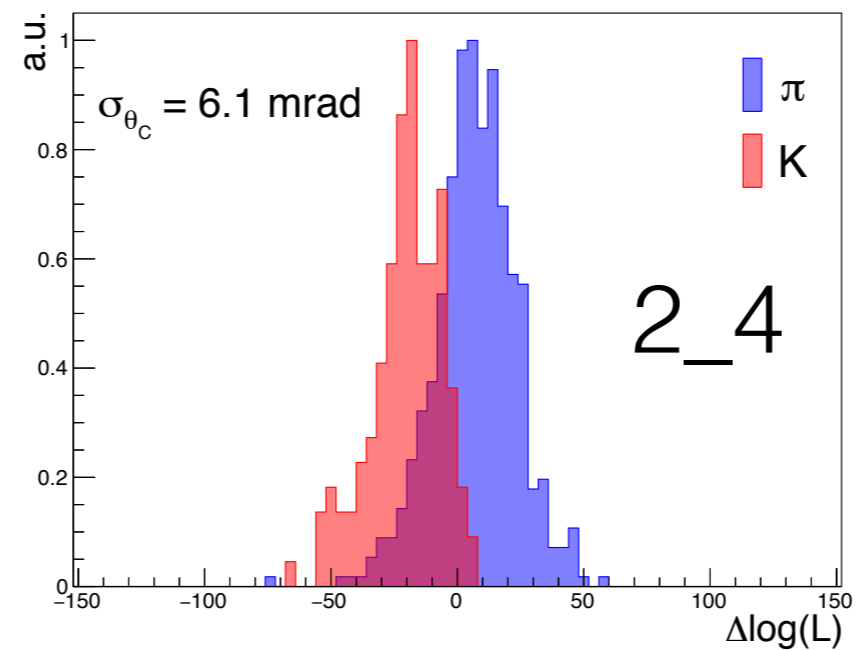
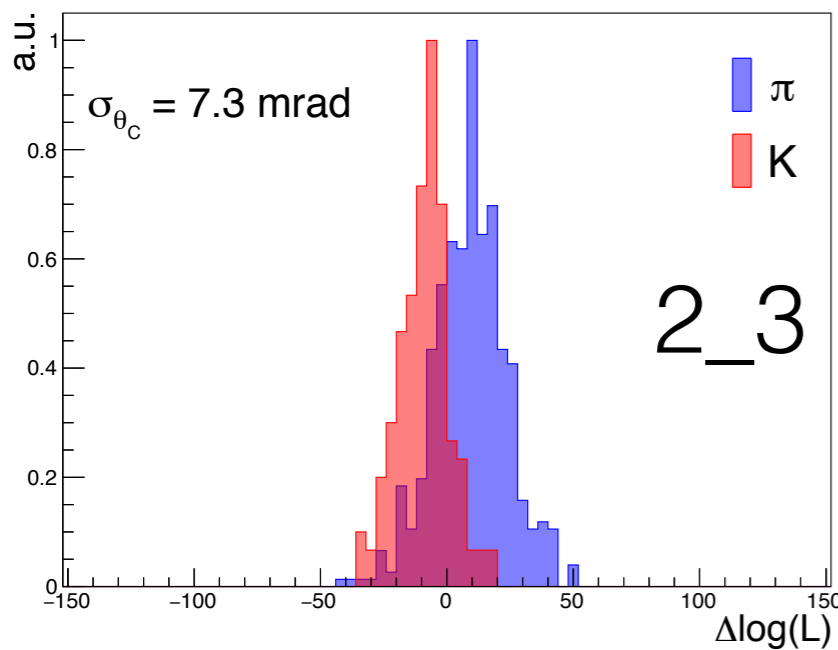
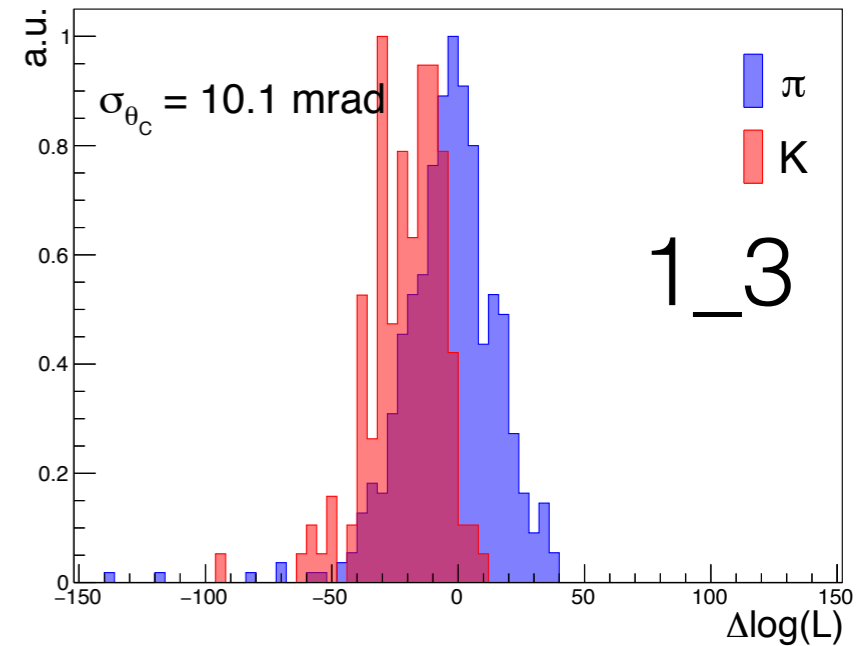
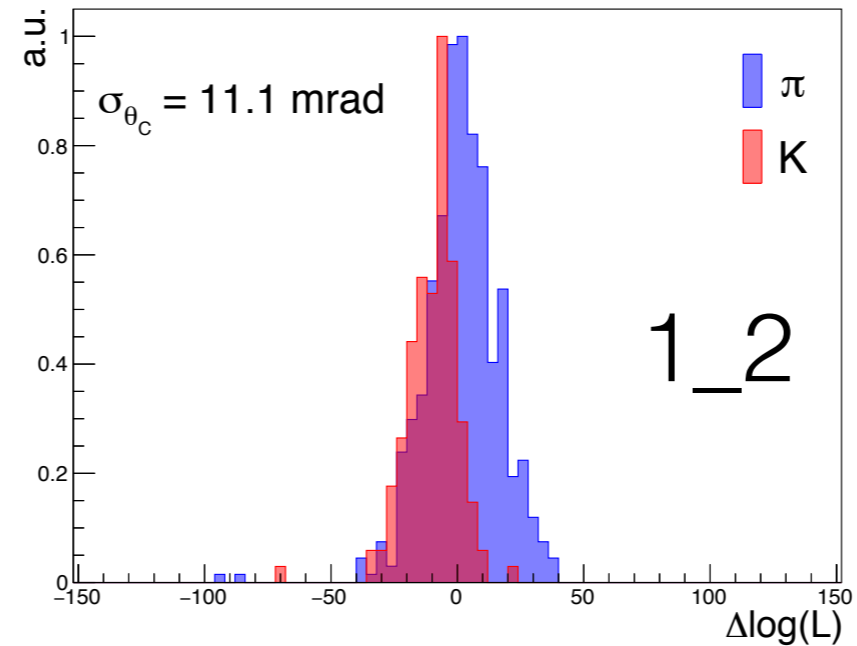
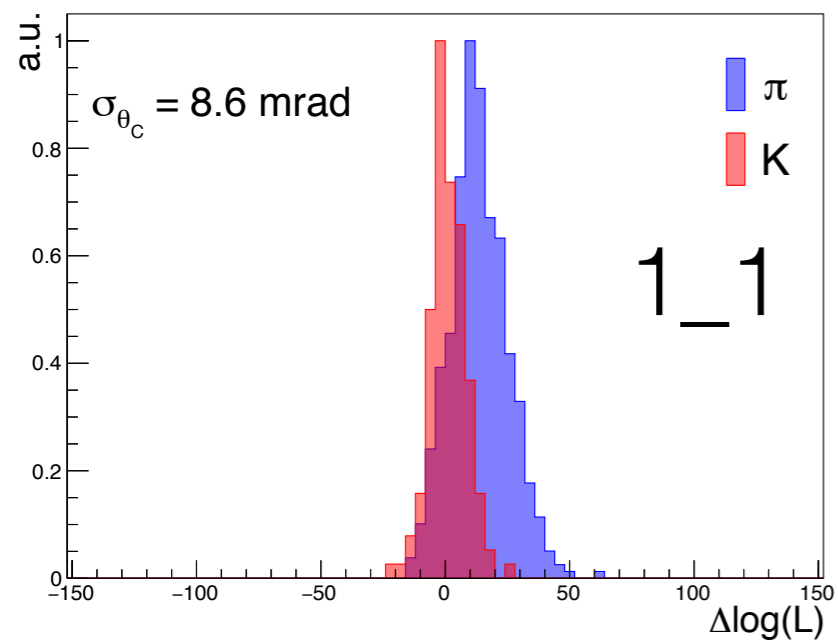


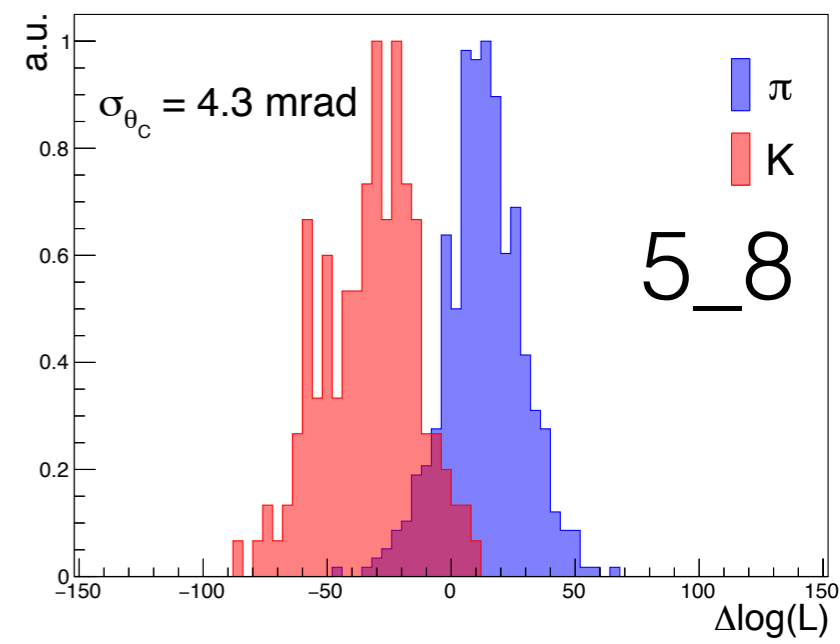
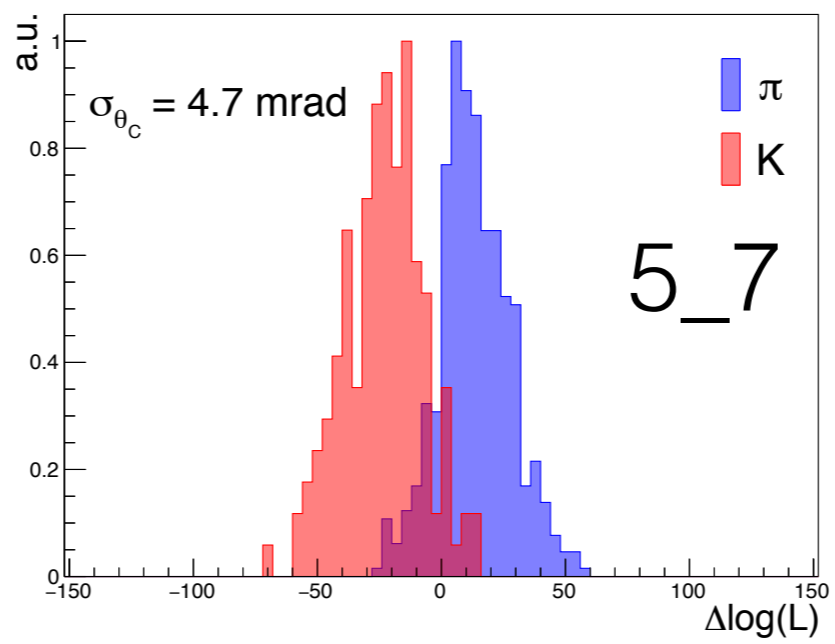
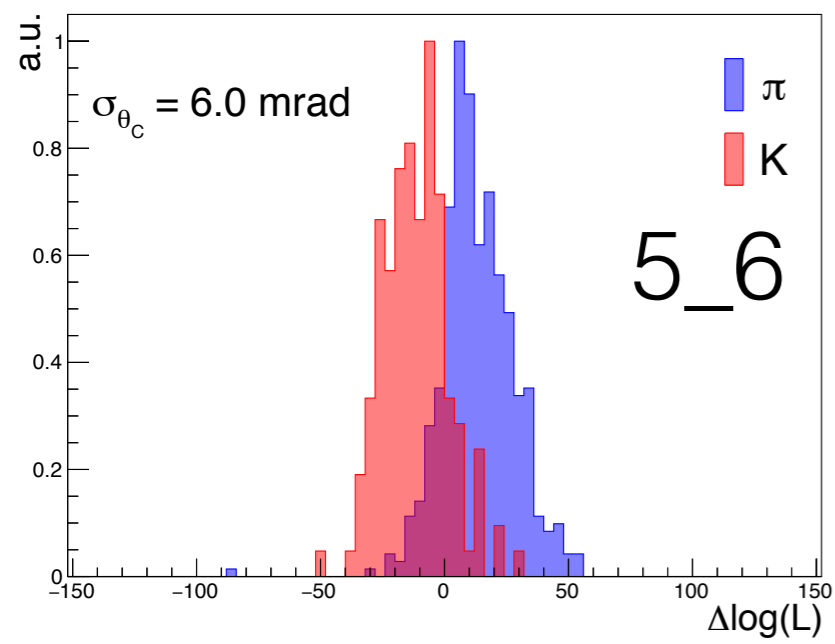
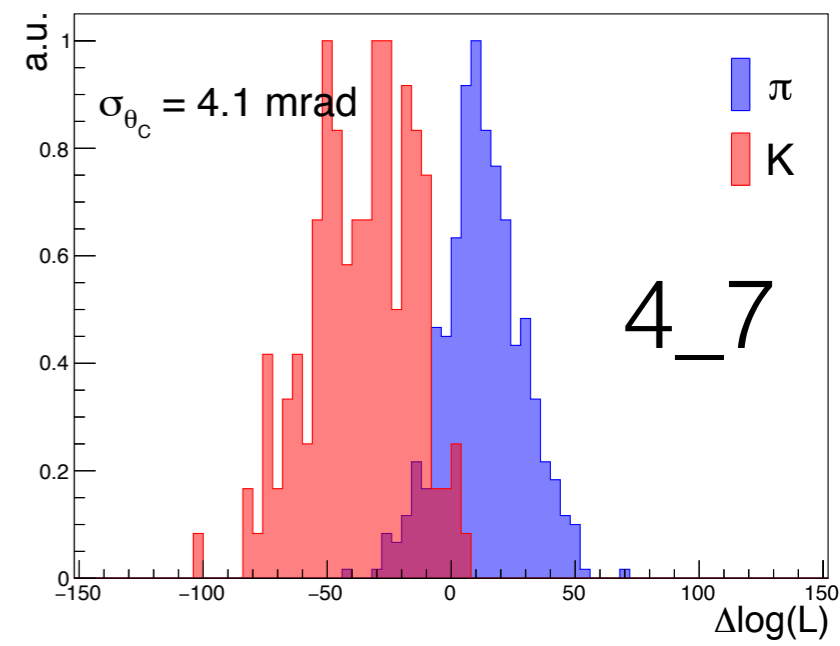
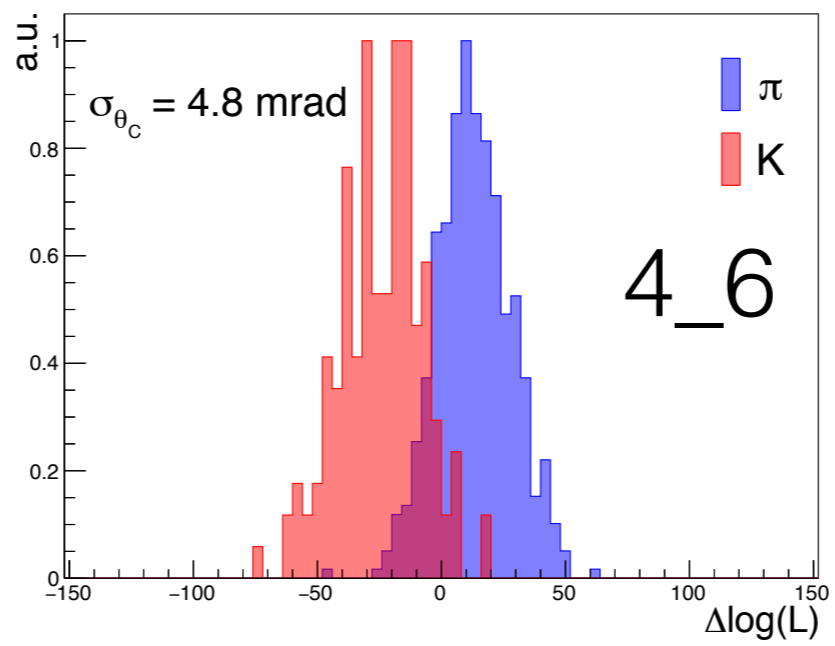
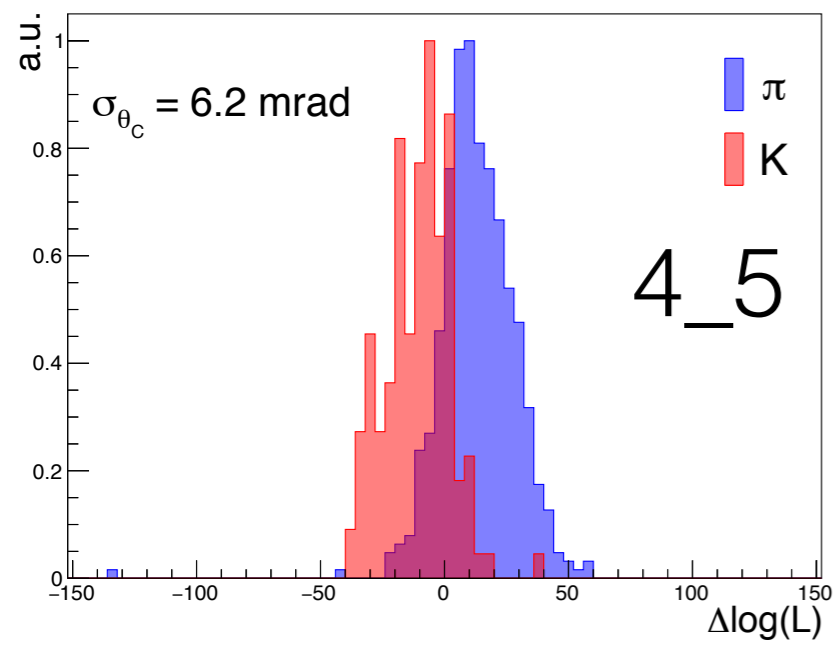
NorthUpper

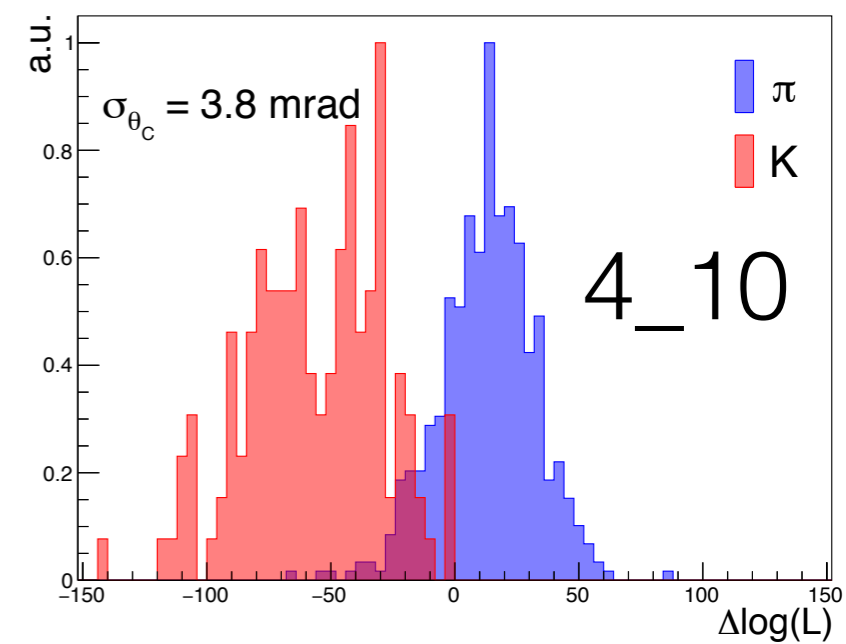
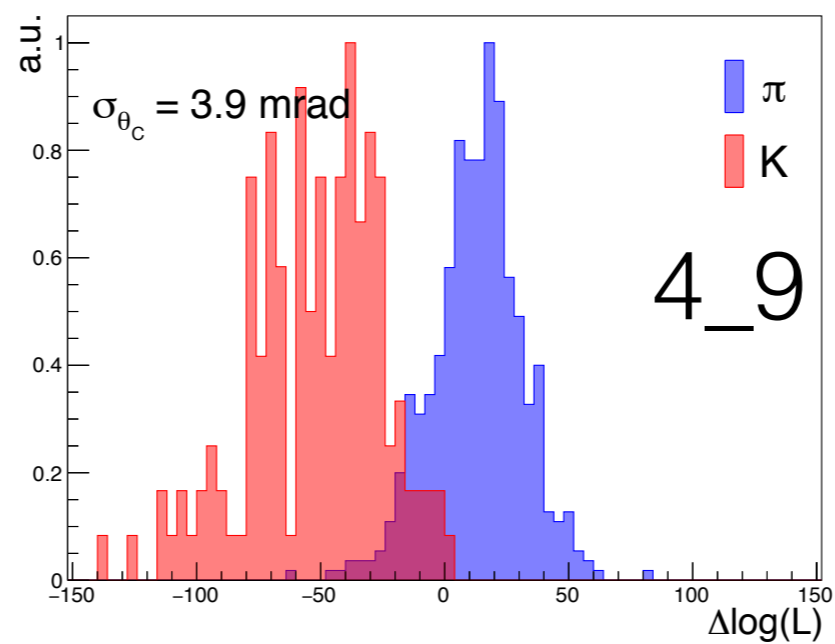
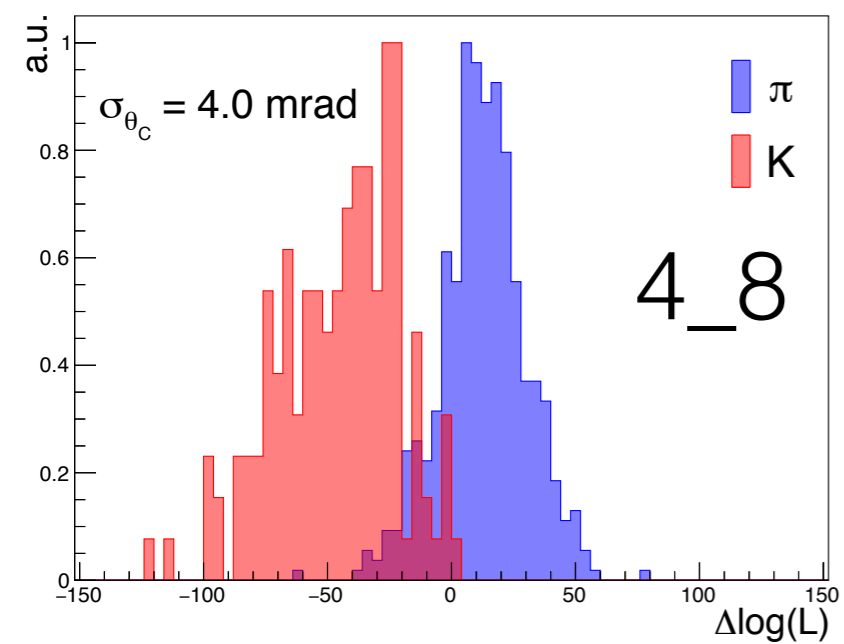
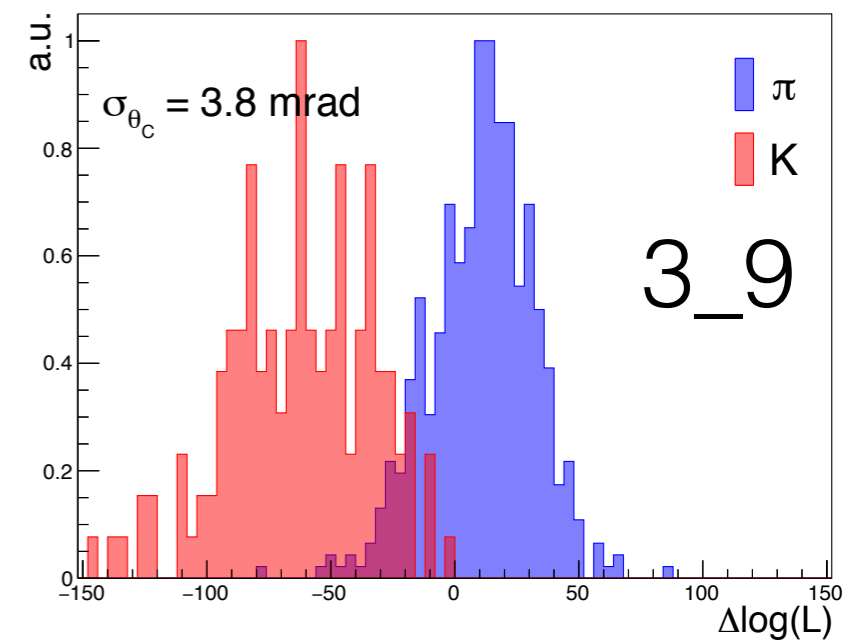
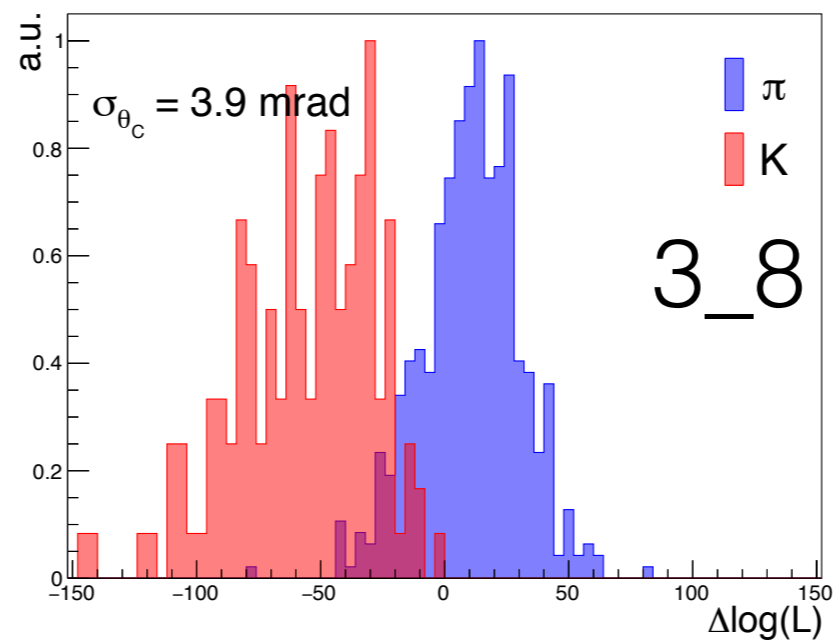
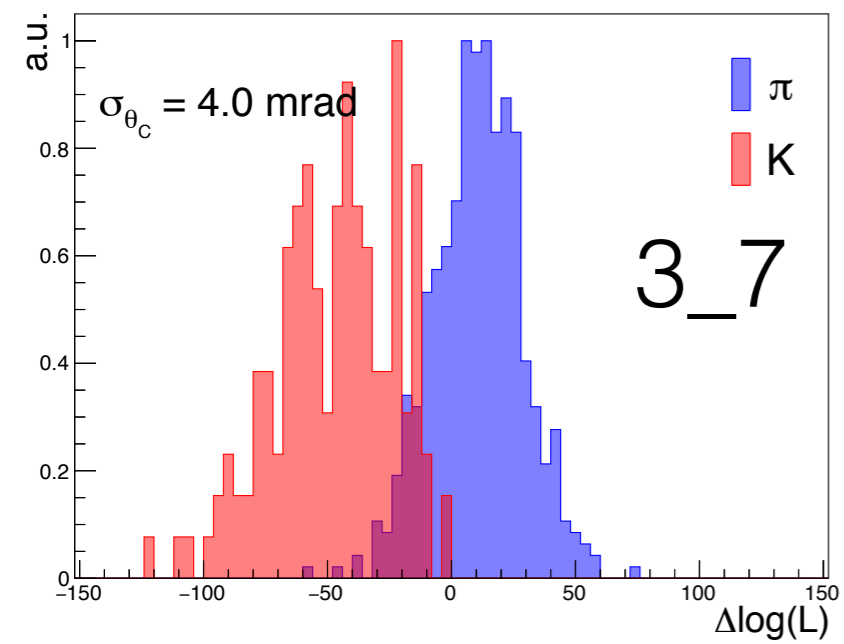


SouthLower



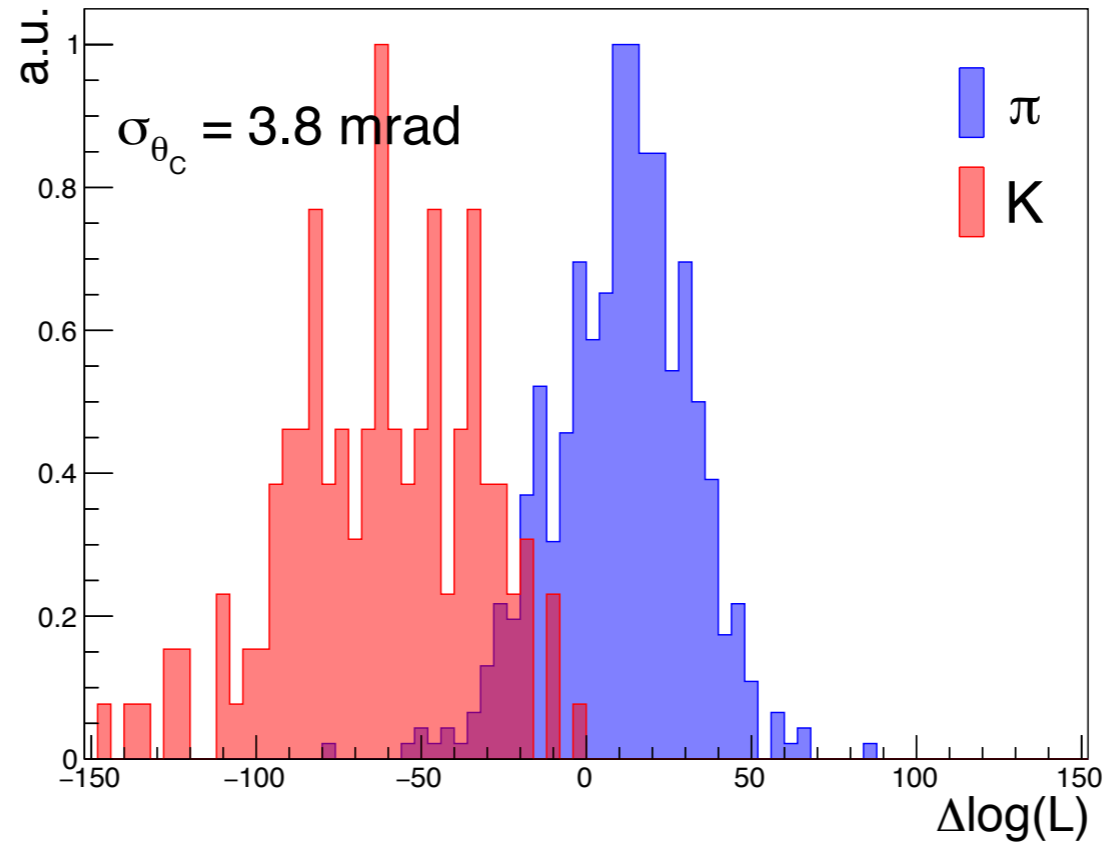




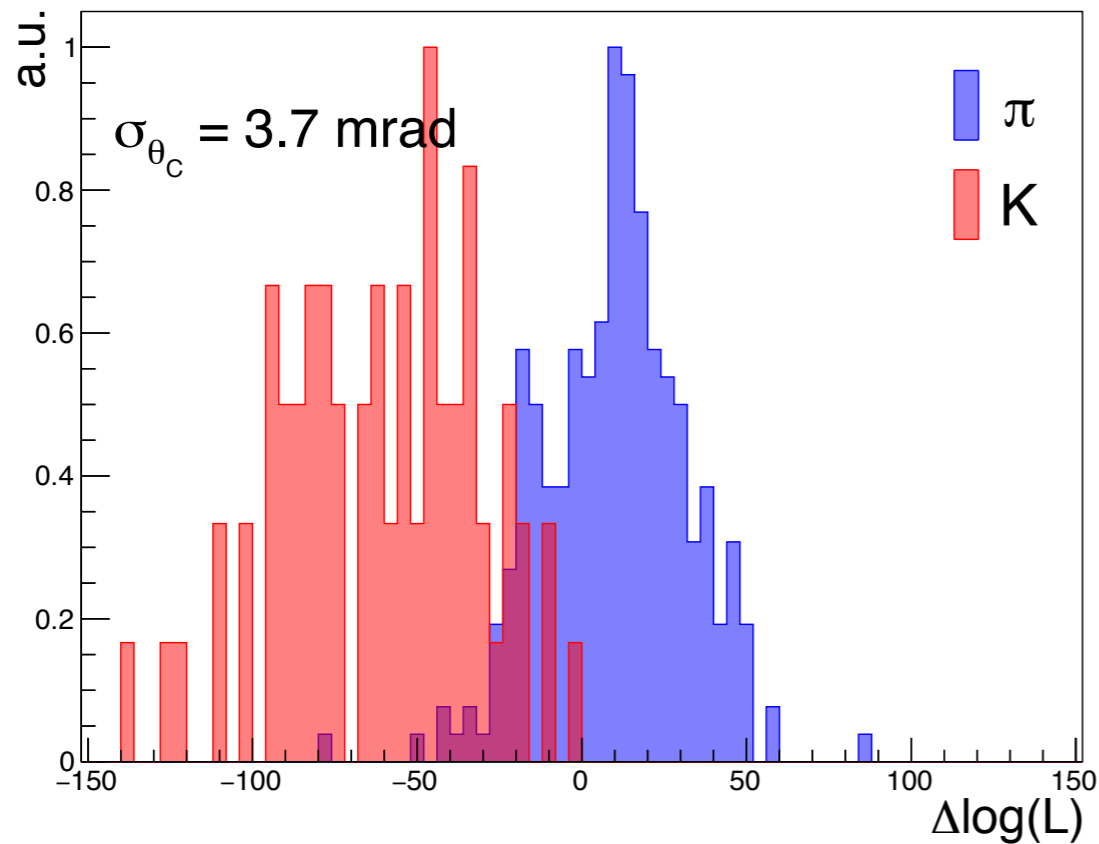


Combined

3_9



NorthUpper



SouthLower

