

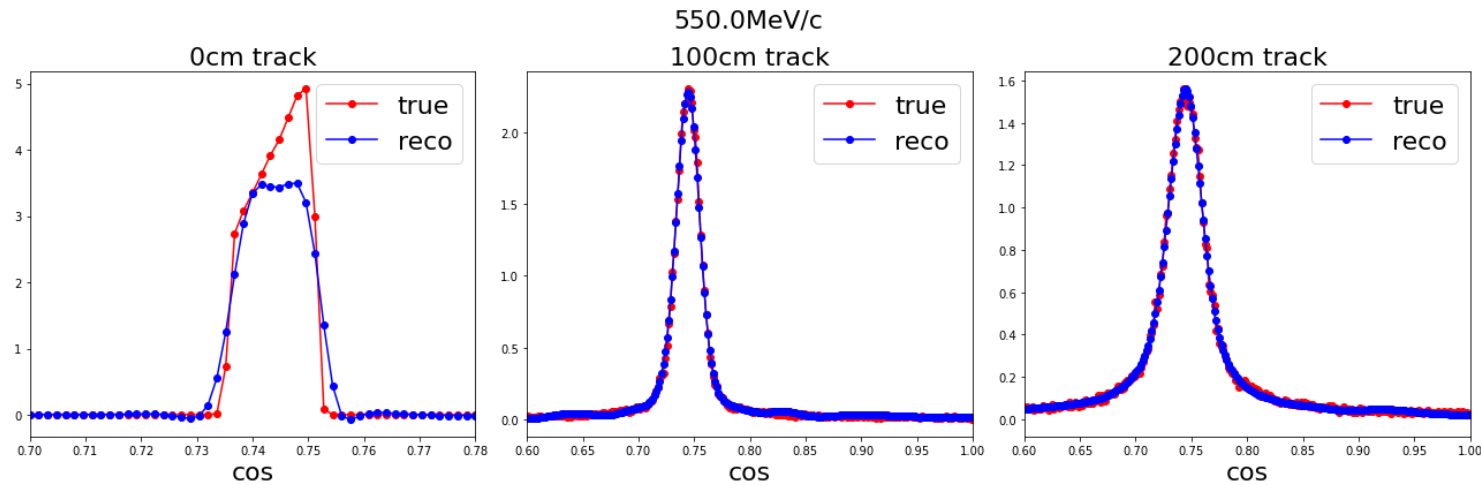
# Cherenkov profile

CIDeR-ML meeting

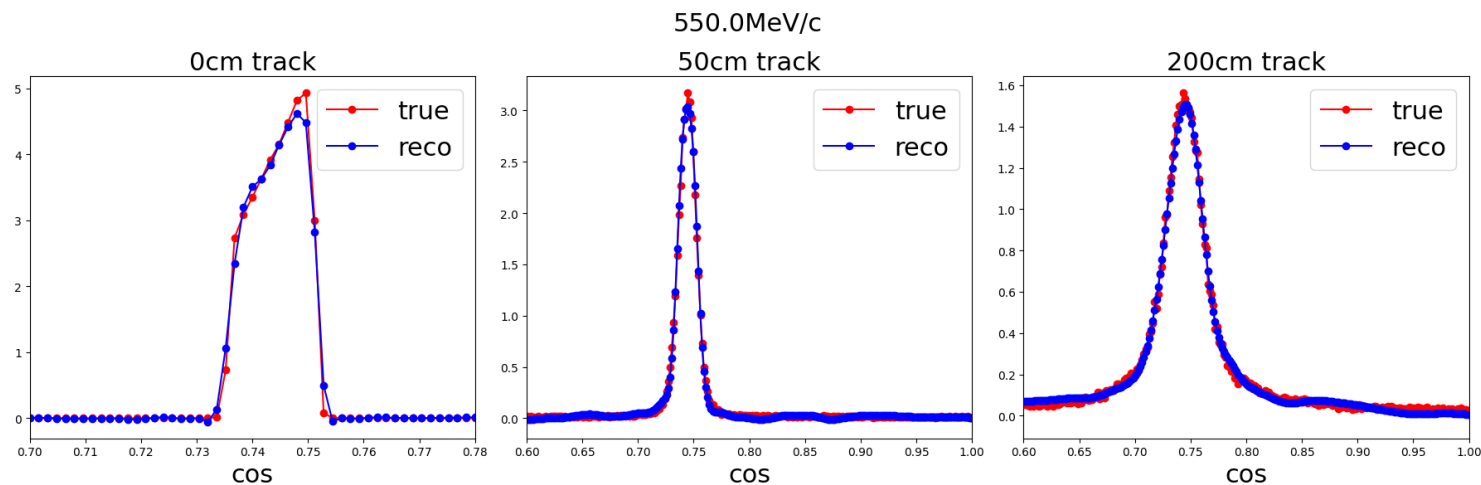
12 July 2024

Ryo Matsumoto (TokyoTech)

- A peak at track=0cm is different from ones at other tracks
- It was not reconstructed well

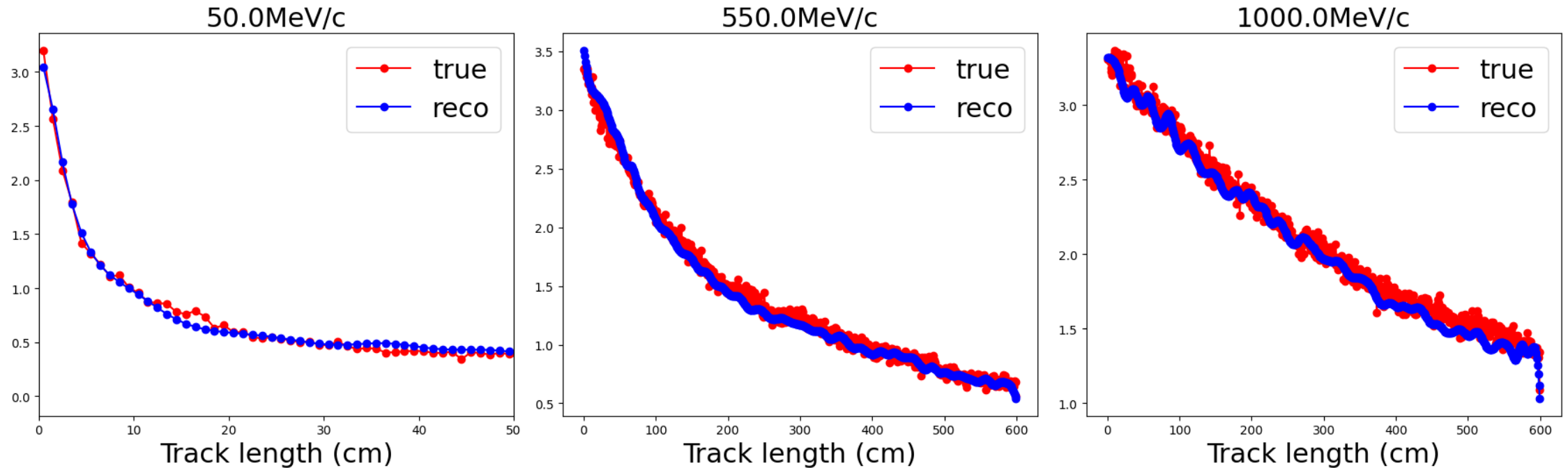


- I increased samples in 0-10cm → reconstruction is improved in the peak



# Plan

Cherenkov profile at 42.26862013234853 degree



- Fluctuation remains (due to MC stat. in training sample?)
  - increase stat. (1000 electrons  $\rightarrow$  10000 or 100000)
  - tune hyper parameters