

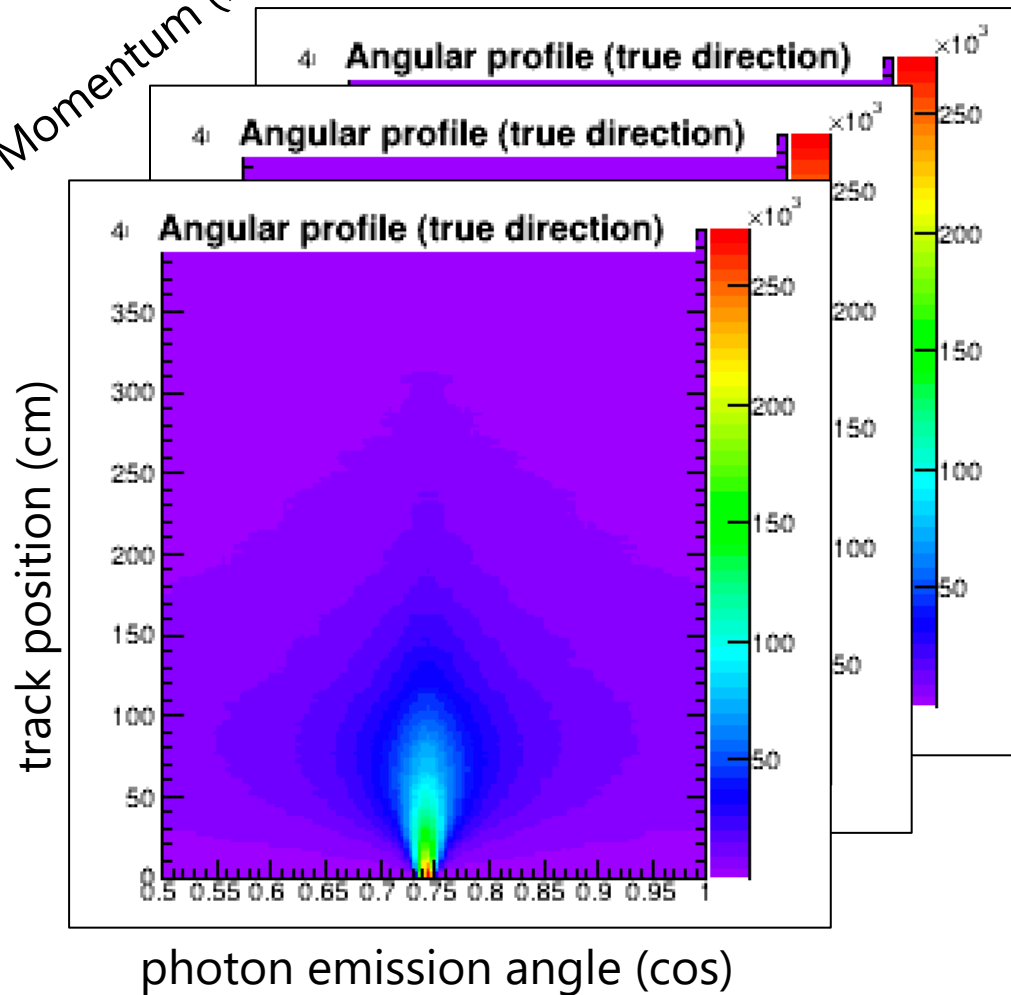
# Cherenkov profile

CIDeR-ML collaboration meeting

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Momentum (MeV)



- I'm working on the training of the Cherenkov profile (number of photons)
- 3-dimensional inputs
  - photon emission angle (cos)
  - track position (cm)
  - Momentum (MeV)

# Task

- Recently I found the bug of the unit in the training sample
  - I regenerated the samples and train the model again
- Needs to check the reconstruction
  - the border of the sample (start and end of the track, low momentum sample)
  - interpolation of the sampling points
- Hyperparameter (frequency of SIREN)