

Monte Carlo

Work continues slowly

- reconstruction using “Geantino”
 - read MC data, get hits
 - estimate track parameters
 - need to integrate with minuit2
 - MC - 100 event/s on laptop
 - RECON - 1000 geantino events/s
- neural network - Emma Tolley - 16:30 today
 - identifies hits as track candidates (could feed into geantino fit)
 - neural network trained to determine P , Θ , Φ
 - MC - 100 events/s on laptop
 - RECON - 1000 events/s on laptop for 1 charge geantino

OLYMPUS Monte Carl

Current version GEANT4.9.4p01

- CLHEP 2.1.0.1 - only for GEANT4.9.4
- Qt - 4.7.2

ROOT - 5.28

- FFTW 3.2.2
- GSL 1.14