

- Chicagoland Computational Traineeship in High-Energy Particle Physics ( $C^2$ - $THE$ - $P^2$ ) trainee
  - Pronounced “CP-squared”
  - Advised by Jahred Adelman (NIU), Serhan Mete, and Peter van Gemmeren (ANL, ATLAS I/O)
- Memory Usage Optimization in ROOT
  - ATLAS DAOD production jobs are memory intensive
  - Cut down the memory usage within ROOT by making the basket sizes have a configurable maximum. (Something CMS and others are also looking at)



Northern Illinois  
University

- Only slightly better compression factors are found after configured basket sizes of 128 kB, regardless of how compressible the data is.

