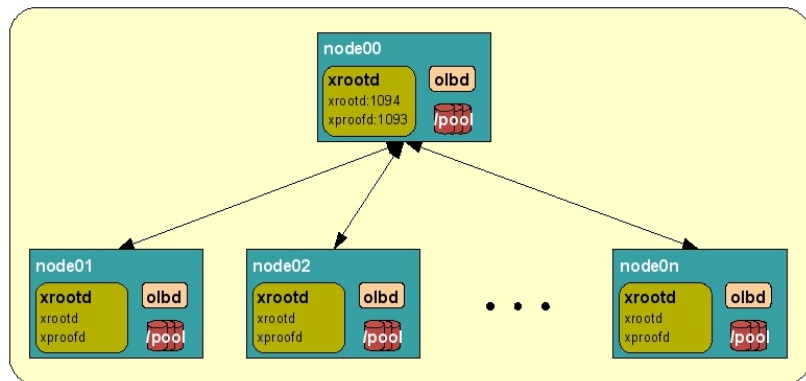# Proof Tests

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CMS Hamburg Computing Meeting
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Cluster Schema

Test Setup

Setup

- Master: uhh-cms015
- Server and WN:
  - uhh-cms016
  - uhh-cms017
  - uhh-cms018
  - uhh-cms019
  - uhh-cms020
- use 64-bit ROOT for services
- runs in user-space (no super-user rights needed)

Demonstration

Test Job

- 700 000 ZEUS DIS events
  (trigger, kinematics, vertices, tracks)
- 1.7 GB
- job:
  - loop over $D^{\pm}$ candidates
  - compute L_{xy} using beam line
  - determine reduced primary vertex (DAF) and copmpute L_{xy}
  - plot mass for displaced vertices
- packages:
  - ntuple package
  - CLHEP
  - ZEUS vertexing library
  - own TSelector

Next Steps

Status

- setup test cluster
- works for complex analysis scripts

Next Steps

- account to run service
- authorization (krb5)
- load balancer tests
- benchmark and refine setup
- test CMS data analysis