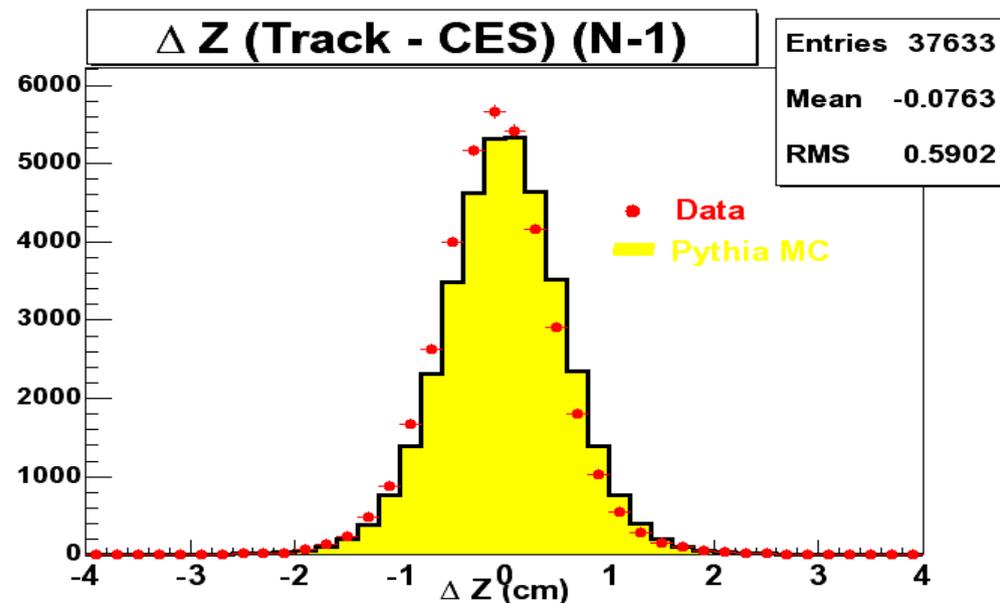


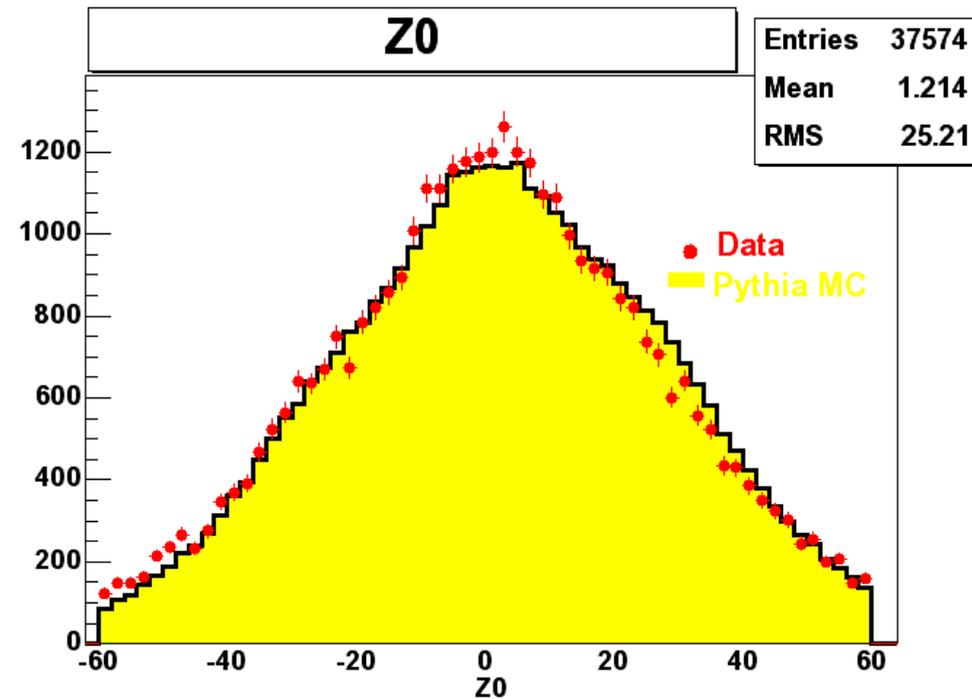
Summary of Physics Validation of 5.3.0

Ashutosh Kotwal

- Silicon Parametric CDM - OK
- COT resolution tuning – OK
- Calorimeter (hadronic) – see Soon's talk
- EM Calorimeter (central and plug) – OK
 - Central electron track Δz got worse, fix now or in next release (was OK in 4.9.1)



- Width in z of the primary vertex distribution is too narrow – important for acceptance calculation
 - Was OK in 4.9.1 when parameters were defined by hand in tcl file



New method of accessing beam parameters from database is better for analysis, but z width parameter needs to be fixed

- Muons – OK
 - Check CMU, CMP, CMX ϕ plots?
- Passive material – check latest fix from Laurent
 - See Manfred's talk next
- Extra minimum bias interaction overlay
 - Will use Pasha's method, Reda is incorporating into MC production scripts