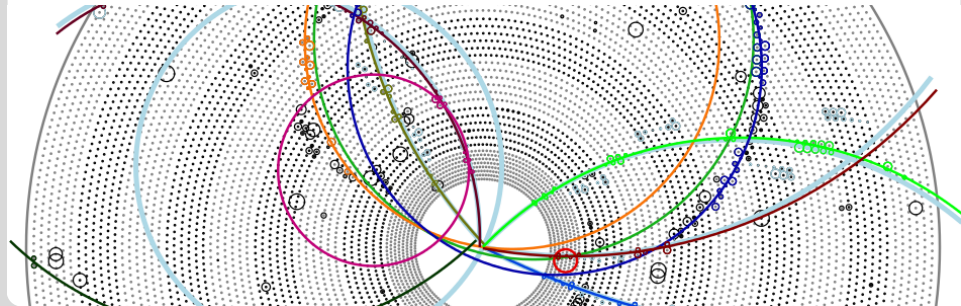


Report on the Track Finding Package

Biweekly tracking meeting.

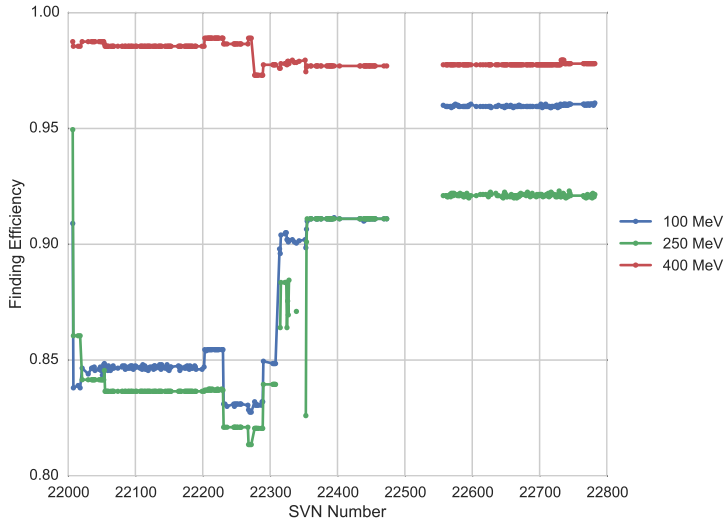
Nils Braun | 06.11.2015

KIT

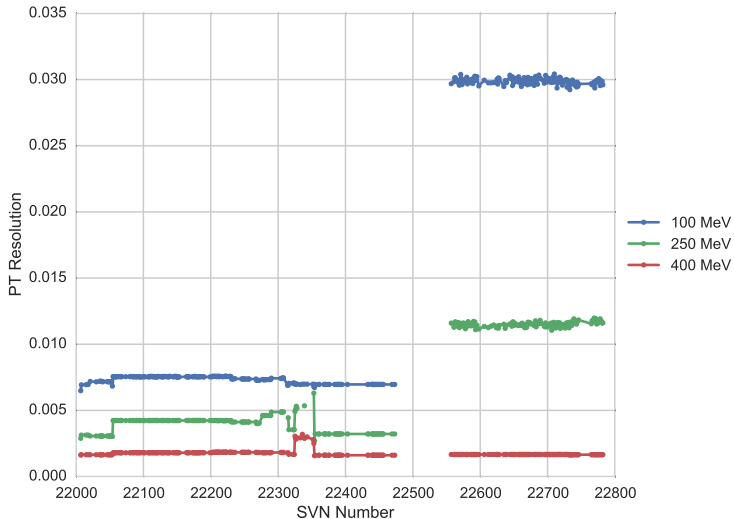


- Standard tracking validation as shown on the validation page.
- Script uses the whole tracking chain (track finding in CDC + VXD, fitting, merging, post-tracking).
- Particle gun tracks with defined momentum at the origin.
- Only the 2., 3. and 4. momentum bin (100 MeV, 250 MeV, 400 MeV) shown here, because
 - 1. bin (50 MeV, \approx only VXD tracking) has very low efficiency in current head (since new VXD-CDC-Matcher?)
 - No big changes can be seen in higher bins (above 0.5 GeV).

Finding Efficiency



Resolution



SVN Number	Content
22008	Trasan → CDC Track Finder
22021	TDC resolution changed
22053-22055	Legendre Refactoring (with a bug)
22203	updated externals
22231 - 22290	Kshort V0 issue
22277	Random numbers
22305 - 22316, 22354	Parameter changes, new BDT training, bugfixes, etc.
22474	MCTrackCombiner
22557	Bugfix for validation
22717 - 22746	Refactoring (no changes in FOM)
