Tracking Status

Tracking 4.8.x status

- **4.8.3 or 4.8.4**
  - All mentioned before
  - Bug found in COT HL tracking beam spot code: reverted to no beam spot code
- **4.8.4**
  - Refitter update to include small angle stereo alignment constants will be reverted out
  - Crashes fixed in silicon simulation: Uninitialized variables and math exceptions
- **In progress**
  - Standalone tracking lower memory consumption code: done
  - Fitter crashes due to very high momentum tracks(1TeV tracks): done
  - COT refit code with different options for the input z vertex: done
  - Final COT scaling parameters: in testing

– **Working HL beam spot code: in testing**
– **Refitter update to include small angle stereo alignment constants: in testing**
– **Small bias in impact parameter of fit code and hysteresis in multiple fits: under investigation**

Release Status

Production, Farms and Releases

- 4.8.3 released
  - Reprocessing started: Stream A done and Stream H half done
  - HL fixed for all but stream A
  - Still working on fix to make concatenator faster.
- 4.8.4 in pre release phase: 4.8.4pre2
  - 4.8.3 with new simulation code integrated
  - Currently: fixing bugs
  - One more week?
- Integration release
  - Next integration release: 4.8.4int1
  - Need to finish 4.8.4