

# Alignment Status

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DESY CMS Group Meeting  
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- Alignment and Calibration teams kept ambitious deadline (19th May) to provide new constants for ICHEP2010 reprocessing
- New constants include first global Tracker vs. Muon alignment provided by Sasha Spiridonov
- Justyna Tomaszewska was at CERN this month to work on MillePede alignment with collision tracks
- Software Status (3\_7\_X)
  - Non of the planned features made it into the release
  - Adjustments to new „Cosmics in Collision“ reconstruction scheme ready and tested (*Justyna, Andrea & Sasha*)

# Planned Features (3\_8\_X)

- Implementation of Beam Spot constraint in MillePede alignment
  - work ongoing; takes longer than expected (*Claus & Andreas*)
- Implementation of curved sensors into general alignment framework and Millepede
  - not yet started
- Improvements to reference trajectories by using kink angles from Kalman filter results
  - not yet started