

IOV Dependent Alignment

Andreas Mussgiller



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Introduction

- Determine alignment parameters for various IOV ranges in one go
 - ▶ ‚Split‘ determination of certain alignment parameters into several IOV ranges while keeping the full range for others
- Implemented as a hack in MillePedeAlignmentAlgorithm
 - ▶ Hardcoded IOV ranges and alignable IDs
 - ▶ Pede results file has to be edited and read in as often as one has IOV ranges
 - ▶ Used by Julia and Jörg
- It is time to implement in alignment framework
 - ▶ Splitting into IOV ranges will be configurable
 - ▶ Writing DB sqlite file with all specified IOV ranges in one go
- What needs to be support (Everything is possible, it's just a question of bookkeeping)
 - ▶ Different sets of IOV ranges:
 - AlignableA: run 1 - run 25 - run 36 - run 50
 - AlignableB: run 1 - run 16 - run 30 - run 50
 - ▶ IOV splitting within alignable:
 - split parameter w while keeping u, v , etc unsplit
 - ▶ Any other needs?