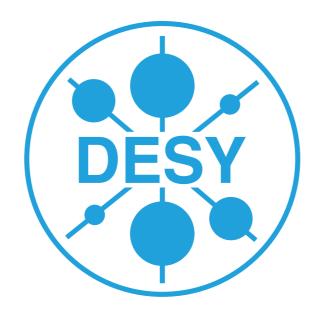
## IOV Dependent Alignment

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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 Jula 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 I run 25 run 36 run 50
    - AlignableB: run I run I6 run 30 run 50
  - ▶ IOV splitting within alignable:
    - split parameter w while keeping u,v, etc unsplit
  - Any other needs?