Review and status of Collimation
top-level applications

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FESA Overview

Software Tools

- LHCCollAlign - Alignment FESA class
- CollAlignSupervisor - Full-automation class

Software Updates

- Updated to latest FESA version 7.2.0
- Changed alignment RBAC access role: MCSCollimation -> LHC-COLL-EXPERT
Java Overview

Software Tools

- lhc-app-collimators - Main application
- lhc-collimators-util - Error interpreter
- lhc-app-collimators-check - Settings checker
- lhc-collimators-vistar-fixdisplay - Overview
- lhc-romanpots-vistar-fixdisplay - Overview
- lhc-lossmap-feedback-gui - GUI for off-momentum loss map FESA class
- blm-info-generator - Generate BLM info
  -> Was not migrated to GitLab
  -> Plan to merge with lhc-app-collimators
- lhc-app-collimatorendisplay - Monitor collimator positions in sigma
- lhc-collimation-monitoring - Quench protection MD measurements in 2013
Progress - LS2 Baseline

Updates

- JAPC:
  [https://wikis.cern.ch/display/JAPC/JAPC+LS2+migration+guidelines](https://wikis.cern.ch/display/JAPC/JAPC+LS2+migration+guidelines)

- CMW/RBAC:

Updated

- lhc-app-collimators
- lhc-collimators-util
- lhc-app-collimators-check
- lhc-lossmap-feedback-gui
- lhc-collimators-vistar-fixdisplay

To be Updated

- lhc-romanpots-vistar-fixdisplay
**Progress - Deprecated Library Removal**

**lhc-app-collimators dependency**: replaced *lsa-app-trim* with *lsa-app-selection*

**Applications Removed**

- CollimatorsTrimApp
  -> Used Collimation DB information for more optimized setting groupings in the trim application.
Applications Removed

- **CollimatorsTrimApp**
  - Used Collimation DB information for more optimized setting groupings in the trim application.

- **ApertureMeterGeneratorViewer**
  - Used in 2012/13 to create a file with the orbit extrapolated at collimators for BPM readings.
Next Steps

1. Finalize Fully-Automatic Parallel BBA at flat top
2. Add angular alignment to UI
3. Follow-up status of 100Hz logging
4. Update software based on Run II feedback
5. Add new collimators when available
6. Review BPM application functionality
7. Preparation of Run III implementation list
Thank you for your attention!