ELENA Timing LS2

Status and plans for 2020

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Andrzej Dworak

timing-support@cern.ch

2019 Changes

- Migration to 64bit, SLC7 and latest frameworks and libraries (FESA, CMW, timdt) - DONE
- The Central Timing (cfv-193-ctmlna)
- The Services (cfc-193-ctxlna)
  - TiDE
  - XTIM
  - XTIM_LNA - access to all ELENA events with fields (as on a FEC)
- ELENA Extraction (cfv-193-ctim3)
  - TimingLNAEJ
- All LTIMs

2020 Changes

- TimingLNAEJ - programs LTIMs of fast deflectors depending on the destination and harmonic number
  - The logic is tested
  - Needs commissioning when the new destinations are attached to ELENA
- Beam negotiation ELENA - AD - PS
  - The LIC CT is rewritten, the work is almost finished.
  - Before: a beam request from AD (ELENA) was accepted by the LIC but if a supercycle was changed the LIC silently dropped the request. AD/ELENA didn't get the beam despite waiting.
  - Improvement: The new LIC will guarantee that if a request is accepted it will be delivered.