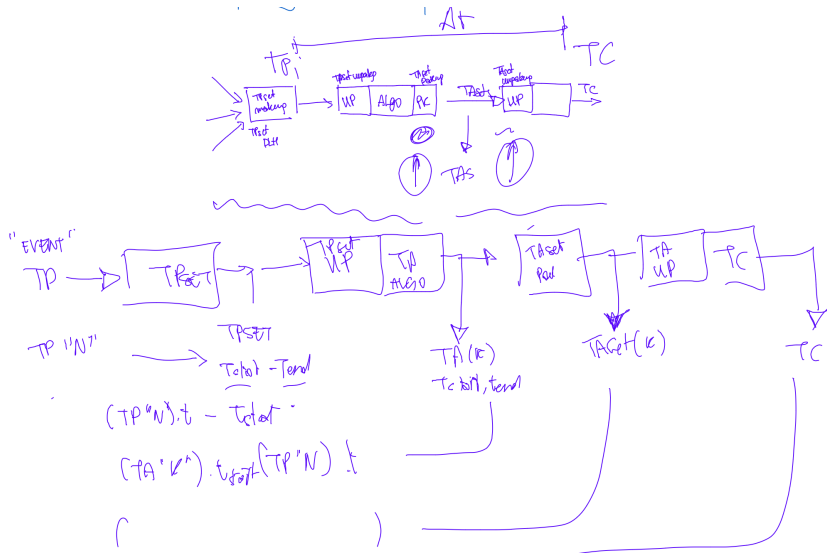


Feature	Priority
Support beam triggering: Testing whether we can still trigger on HSIEvents generated by CTB boards	Must h... ▾
Support callibration triggering -- might require new TCMaker, or expansion of TimingTriggerCM.	Must h... ▾
Tools for TriggerPrimitive diagnostics, monitor TP quality for future offline analyses	Must h... ▾
Tools for TA and TC diagnostics	Must h... ▾
Software triggering with tuned and working physics-based algorithm, e.g. HorizontalMuon	Nice t... ▾
Software triggering on PDS TPs	Nice t... ▾
	▾
	▾
	▾
	▾
	▾
	▾
TBD : Definiton of baseline self-triggering algorithms for NP04?	▾
TBD : Validation of self triggering algorithms for NP04?	▾

- Some of the work towards these is already ongoing and close to completion.
- CTB and CIB (beam & call) triggering more clear since last week.
- We need to re-distribute these tasks among ourselves and aim for v4.4

1. CTB and CIB triggering. Requires two new plugins, potential update to TriggerCandidate definition.
 - Change Type definition to e.g. kHSI, kTPC, kPDS, kCIB, kCTB
 - Change Algorithm to contain all the kCTBParticles, kCIBLaser etc.
 - Perhaps change Algorithm to have a different definition depending on the type
2. Saving TriggerDecision as part of TriggerRecords.
 - Would it be part of the TRHeader or a separate Fragment?
 - Pass TD to DFO and have it handled there (dev required) or/and TDBuffer?
3. Definition of baseline self-triggering algorithms for NP04
 - One, could split HorizontalMuon into ADCIntegral, NChannelHits, Adjacency etc. algorithms.
 - Two, development of a new algorithm, e.g. Cathode-crossing, CRT.
 - Fixing windowing logic, testing MLT configurations.
 - Opportunity to test the new algorithm development workflow
4. Refactoring the emulation tools
 - One, we need TA \rightarrow TC “emulation”.
 - Second, we need a way to measure latencies with these tools.
 - Alessandro had a really good idea with how to go about this.



- T{P,A}Set packing/unpacking included in a “module”.
- Each module contains either one TAMaker or TCMaker (maybe MLT?)