

## Idea

To be able to process data at 30 MHz, the possibility of running the full HLT1 on GPUs is currently being studied.

The repository of the project is [Allen](#).

A full HLT1 implementation on GPUs is available and was documented in detail for the accelerator's review in June 2019:

[review document](#)

[Link to review Indico page](#)

If you want to join the effort, you are more than welcome. Please contact Daniel ([dcampora@cernNOSPAMPLEASE.ch](mailto:dcampora@cernNOSPAMPLEASE.ch)) and/or Dorothea ([dorothea.vom.bruch@cernNOSPAMPLEASE.ch](mailto:dorothea.vom.bruch@cernNOSPAMPLEASE.ch)).

The mailing list is [lhcb-rta-accelerators](#).

## To do list

The list of items to be worked on, currently being worked on, and finished can be found here together with the people to whom they are assigned: [https://gitlab.cern.ch/lhcb-parallelization/Allen/boards?=\[=\]\(#\)](https://gitlab.cern.ch/lhcb-parallelization/Allen/boards?=)

## Past meetings

Past meetings since Allen is part of WP6 of RTA: <https://indico.cern.ch/category/10878/>

Past meetings before Allen became part of WP6 of RTA: <https://indico.cern.ch/category/7616/>

Minutes from the meetings:

- 26.4.2018
- 12.7.2018
- 23.10.2018
- 27.11.2018

-- DorotheaVomBruch - 2018-03-13

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This topic: LHCb > GPUStudies

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