

HCAL/ECAL MultiFit

*3rd patatrack hackathon
may22*

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Current Situation:

- HCAL/ECAL multifit algorithm running on CPU
 - Eigen library for matrix manipulations
- 10x10 matrices (#time samples)

TODO:

- Eigen
 - Understand the minimization procedure
 - Understand functionality not working on the device (e.g. matrix decompositions not working)
 - Decide how to implement
- CMSSW
 - Full list of conditions used
 - Identify the best way to refactor conditions (things to rearrange/simplify)
 - E.g. HcalDetId make it device usable
 - Replace for loop -> kernel invocation