



# News, WIP, plans

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*Madgraph on GPU development meeting, 1<sup>st</sup> October 2024*

<https://indico.cern.ch/event/1355163>

*(previous update was last week on October 1<sup>st</sup> – only mentioning changes since then)*

# News, WIP, plans

- News: the cudacpp v1.00.00 release is finally out
  - release page: [https://github.com/madgraph5/madgraph4gpu/releases/tag/cudacpp\\_for3.6.0\\_v1.00.00](https://github.com/madgraph5/madgraph4gpu/releases/tag/cudacpp_for3.6.0_v1.00.00)
  - wiki: [https://github.com/madgraph5/madgraph4gpu/wiki/Working-with-cudacpp-v1.00.00-\(October-2024\)](https://github.com/madgraph5/madgraph4gpu/wiki/Working-with-cudacpp-v1.00.00-(October-2024))
- WIP: preparing the talk about the LO release for CHEP next week
  - Got feedback from a rehearsal this morning in IT and via email from some of you (thanks!)
  - Will make modifications, upload it to this agenda and send an email to the dev list
- Plans after CHEP
  - Clean up the repo
    - 1. Move epochX/cudacpp higher up, remove epoch1, epoch2
    - 2. Remove things you do not want: tmad, tput, logs... (I WILL KEEP THIS IN MY FORK)
      - Remove generated code too? Remove sycl plugin too?
    - 3. Rename the repo from madgraph4gpu to... mg5amc\_cudacpp? mg5amc\_gpucpp?
      - Will close the older “mg5amcnlo\_cudacpp” from earlier WIP using git submodules
    - 4. Move it from madgraph5 to mg5amcnlo
  - Remove patchMad.sh
  - Add new timers and fortran profiling