

FCC Software Status

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for the FCC software team

Simulations

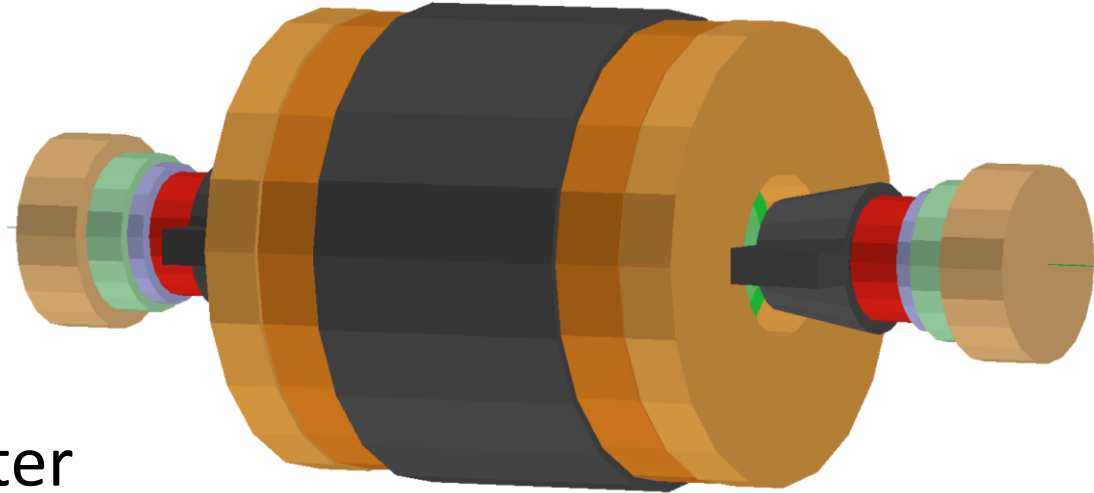
- **Full simulation framework ready**
 - need detector models
 - N. A. Tehrani with A. dell'Aqua : port CLIC detector to FCCSW
- **Delphes ready**
 - full integration in FCCSW & FCC event data model
 - all Delphes cards work, can set up your own
- **Papas ready**
 - example ZH workflow to get started (+heppy)
 - <https://goo.gl/kp8hqT>
 - further detailed tuning of the CMS model
 - jet tagging studies ongoing

Computing

- **Still no production tools** for job submission
 - want to support CERN cluster then Grid
 - technical student candidate – not sure...
 - **do you know anybody who would be willing to take this responsibility?**
- **Still no computing resources**
 - in CERN's administrative pipeline
 - FCC-hh uses
 - the Grid with ATLAS resources
 - simple scripts for the CERN cluster

News from FCC-hh

- ~10 active users
- Full sim:
 - 1st ecal and hcal models ready
 - detailed calorimeter shower studies ongoing
 - definition of detector envelopes for integration
- Fast sim
 - example ttbar workflow to get started (Delphes+heppy)



News from FCC-ee / Conclusion

- **I do not know of any active user outside my home lab**
 - physics studies sometimes done with external software, e.g. native Delphes
 - **summer students just arrived!** (M. Beguin, N. Foppiani, ?)
 - we will be very happy to help them
- **The software is working well and is being used successfully (FCC-hh)**
- **Please give it a try too! (contact me)**

Documentation

- Main twiki
 - <https://twiki.cern.ch/twiki/bin/view/FCC/FccSoftware>
- Getting started
 - <https://twiki.cern.ch/twiki/bin/viewauth/FCC/FccSoftwareGettingStarted>
- Reference documentation & resources
 - <https://fccsw.web.cern.ch/fccsw/>