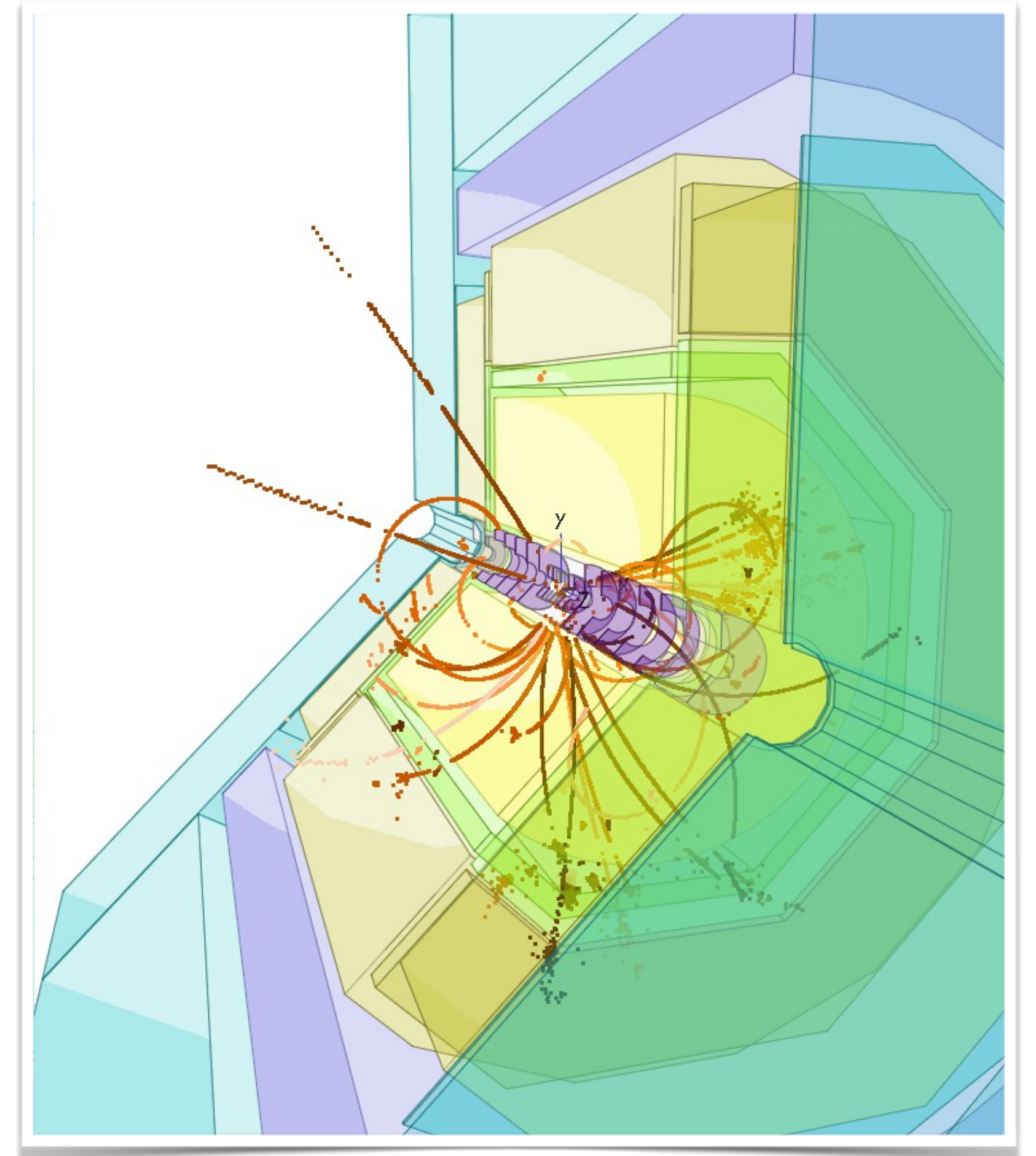


Software Coordinator Report

ILD Software and Analysis Meeting

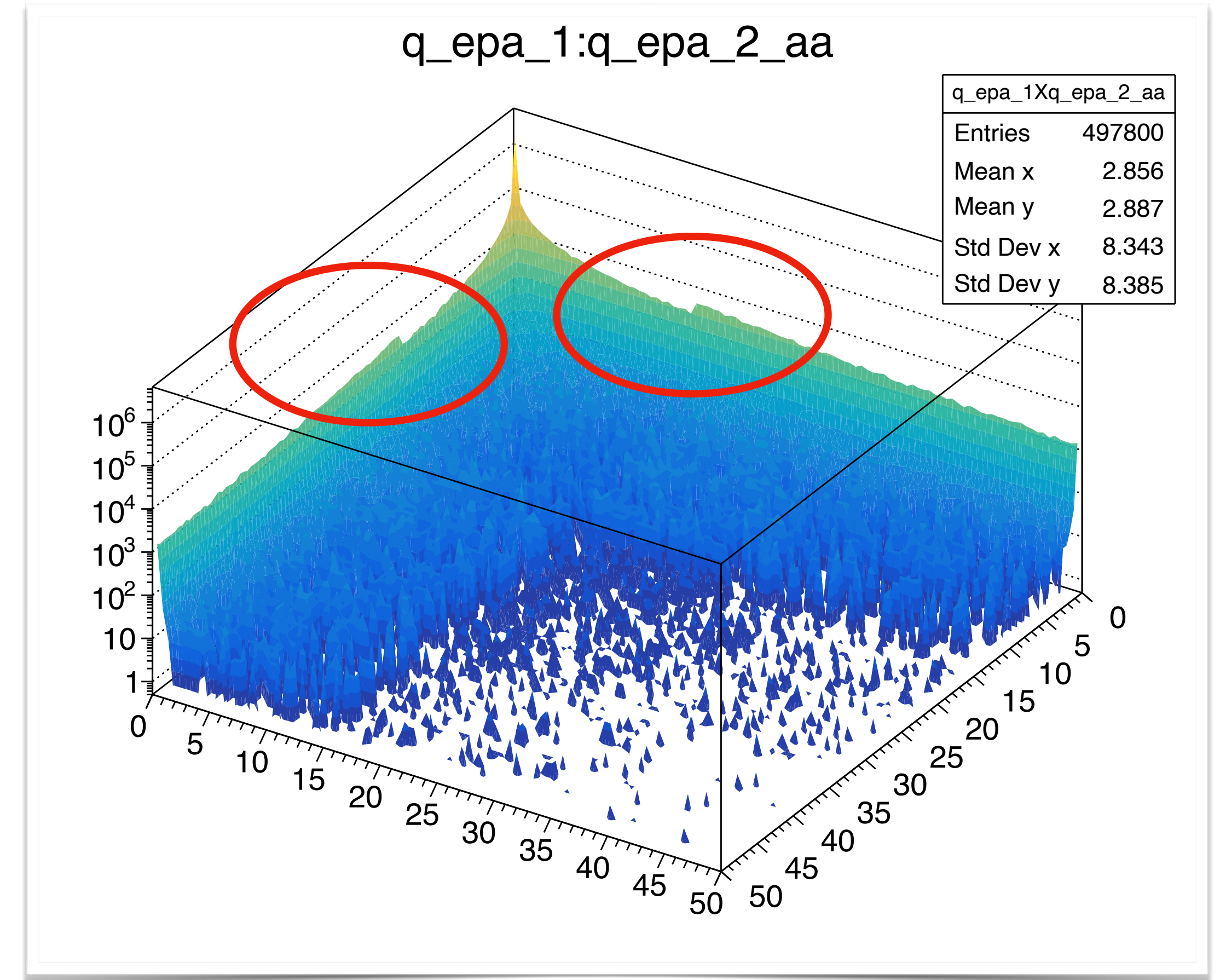
Frank Gaede, DESY, 18.11.20



Generator

M.Berggren, J.Tian

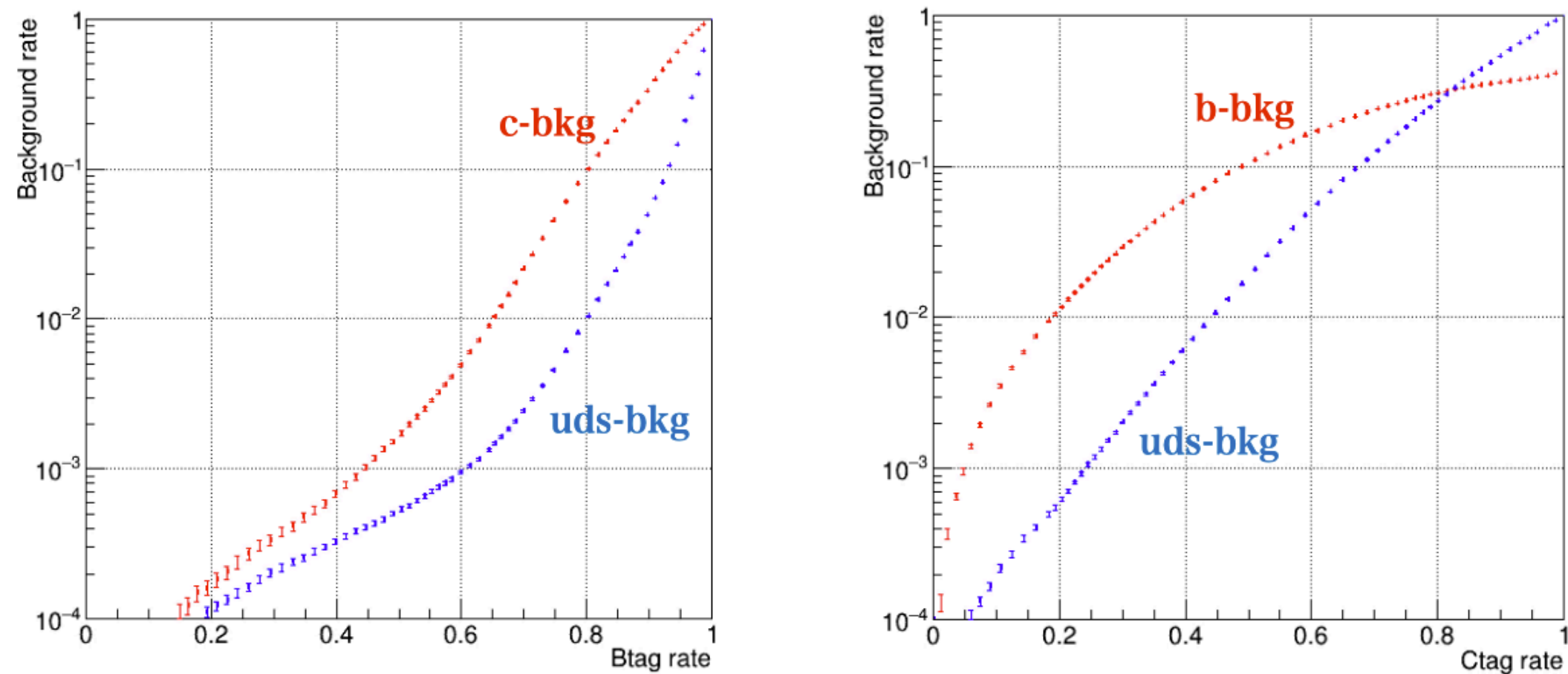
- basically all 2f-5f samples finished, except virtual photons samples:
- working on a problem with cross section of samples with virtual photons
 - 4 cases w/ different Q^2 cuts
 - observe factor two too large cross sections in two cases and jump in Q^2
 - reported to Whizard authors
 - waiting for reply/fix
 - ...
- all higgs samples done
- next step will be 6f samples
 - somewhat lower priority



Reconstruction

R.Ete

Flavour tag performance (4-jet(ZZ) sample)



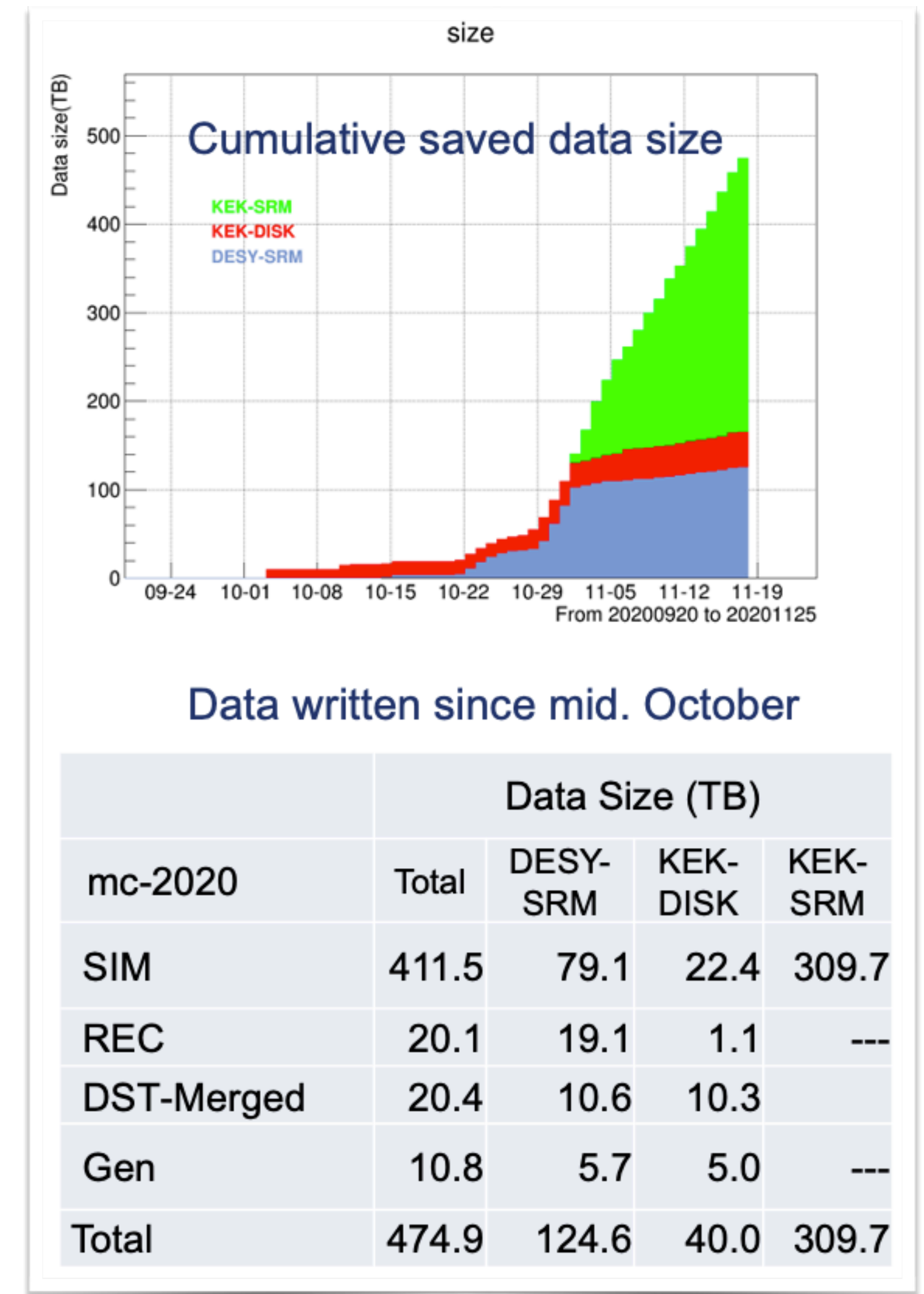
Similar results to previous (IDR) ones

- new weight filed for flavour tagging for new 250 GeV samples created
 - see talk R.Yonamine last ILD SW&Ana meeting
- created new ILDConfig release: **v02-02-p01**
 - for details see: <https://github.com/iLCSoft/ILDConfig/releases/tag/v02-02-p01>
- use this for analysis
 - fully compatible w/ production tag v02-02

Monte Carlo Production

A.Miyamoto, H.Ono

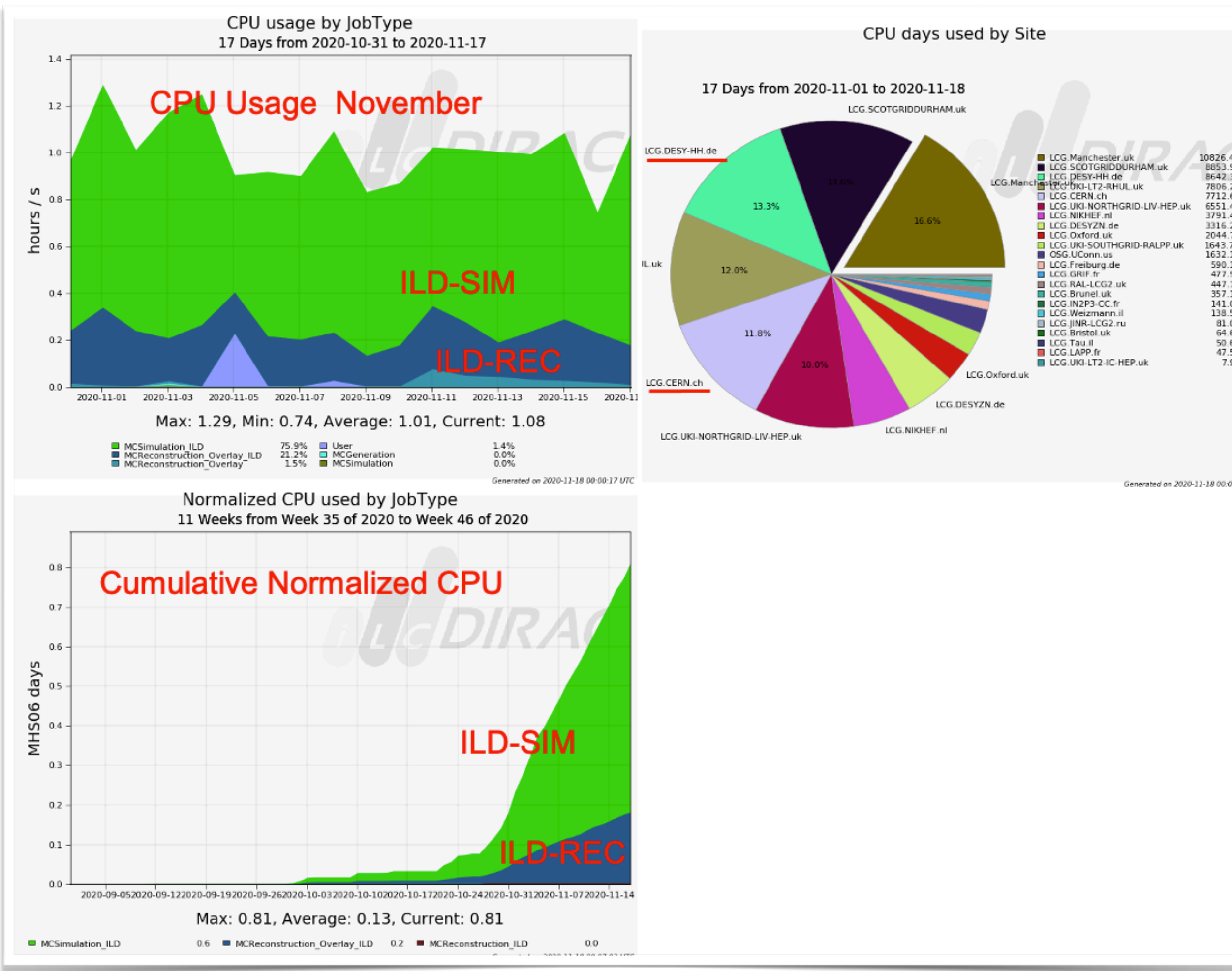
- New samples produced since last meeting
 - Latest information is in <https://ild.ngt.ndu.ac.jp/eelog/dbd-prod/>
 - 250 GeV SM samples,
 - 4f-Mid Xsect samples : Done except 4f_singleZee (now in progress)
 - 4f-High Xsect samples : Done 500 fb⁻¹
 - 2f-leptonic : Done 2500 fb⁻¹
 - 2f-hadronic : Done 100 fb⁻¹ (~1 week. ~1.5TB)
 - Next
 - Higgs exclusive decay
 - 3f, 5f, aa_2f
- Files
 - DST-merged : DESY-SRM and KEK-DISK
 - REC files : Keeps 10% of sim files, but 500 rec files max. DESY-SRM only.
 - SIM files : For the moment, keeping all files at KEK-SRM
 - When the empty space left low, the production will continue without keeping sim files.
 - Would be after Higgs exclusive decay or little more.
 - Suspend the production to update the production scripts.



decided to stop the production after Higgs samples and implement new scheme for keeping O(10%) of SIM files

Monte Carlo Production

A.Miyamoto, H.Ono



- rather **smooth running** so far:
 - making good use of the available resources
 - ~ 3500 jobs running in parallel continuously
 - reasonably distributed among major Grid sites supporting the ILC VO
- observed 0.1% of 2f_hadronic jobs *crashing with infinite loop*
 - reproducible at KEK-CC
 - under investigation by D.Jeans
 - ...