

Status report on EMC simulation ... Part 4

Situation of Simulation of response

EMCSIMUADJ

Version v0 EXISTS in K_MCT library

- Add effect of thresholds
- Simulates effect of HOLES
- Study of ATT LENGHTS on EndCaps advance but correction not inserted

OK for testing .. I can release a version with Switches to try different Simulations .. Still:

- the effect with CLUFIXENE is really complicated need a fixes
- the hole-response works but needs some refinement
- the efficiency for photons in not fully recovered.

NOT READY FOR GENERAL USAGE ...

IF WE WANT TO USE IT .. I NEED HELP.

I Can provide tools but people should start testing it.

Status of SELBKG(weights finder and loading)

SELBKG Module

- Automatic creation of 2D weights OK
- Merge procedure of Histos (Matt) OK
- From Histo -> weights (Misc) OK
- FZ creation (bggwmaker) (Simona) OK
- HEPDB loading automatic DBLOAD OK
- 2D weights usage (Fill2Dweights) (Misc+Simona) OK
- Control Histos OK
- Problems

Warning in CELE creation when $N_{hit} > 600$

(need replace Write -> Erlogr

Enlarge NceleMax -> 2000) Rebuild OFF Libraries

Status of SELBKG (bgg files creation)

❑ Missing functionalities

- None if fixed CELEMAKER

❑ While testing Yb Files creation found a short running period 17845- 17866 with wrong Timing Calibration (Flag the runs as BAD)

❑ Matt is working on writing the script ..OK

General comment is however that in roughly 1 week of serious running **using the KTEST queue we produced automatically the 2D weights for 150 pb-1.**

- Few problems mainly related to KID not to the procedure.
- Merging of histograms can be done this afternoon.
- DB insertion is automatic.

**Green light to create first 150 pb-1 of files
+ start new campaign for 2002 data**

Status of INSERT

❑ Missing functionalities

- CEKAMAKER (planned-discussed not completed)
- INSERTION OF QCAL Hits
- Test of Energy Scale fixing

❑ First problem can delay the MC generation although does not require more than 1 day of code-writing.

- QCAL point less crucial ..

If someone need it another InsertModule can be written in a later stage since QCAE Hits are going to be saved in the BKG file.

- The test of energy scale is needed but the correction was already tested last year for ACCELE

THE WARNING IS .. I AM OUT OF TOWN UP TO April 6 ..