## SW coordinators' report: news from meeting earlier today

→ towards 250 GeV production

problem found in Icio in latest ilcsoft version during test MC production (Akiya, Hiroaki) reading of LCIO files without a "table of contents" affects only the single-particle validation samples bug found, fixed, and explicit test added (Remi) new LCIO tagged, now preparing new ilcsoft release (Remi)

test production on hold until this is fixed (a few days?)

generator samples (WHIZARD 2.8.4) are ready (Junping, Mikael) some issues with ILD filename conventions when using WHIZARD multi-threading

miniDST: see Shin-ichi's report

taus: on next pages

## tau jet finding miniDST and Delphes

WW-semileptonic sample from recent test production:

```
rv02-01.sv02-01.mILD_l5_o1_v02_nobg.E250-SetA.I499998.P4f_ww_sl.eL.pR.n000.d_dstm_14705_0.slcio
```

miniDST steering from https://github.com/shkawada/mini-DST

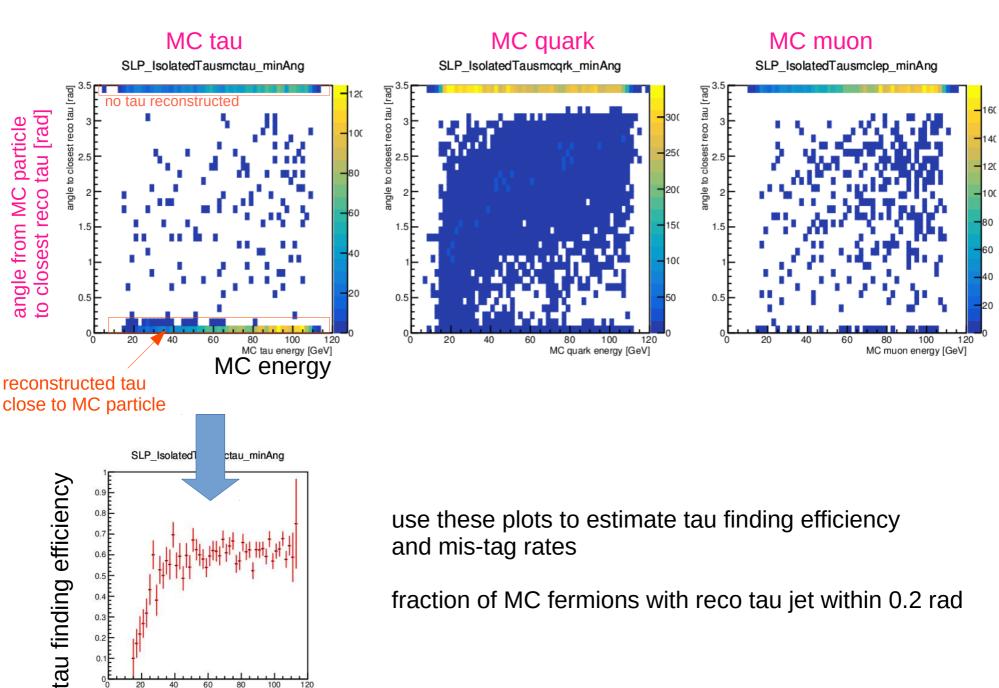
tau jet finding is run after isolated lepton (e/mu) finding

→ most leptonic tau decays will be picked up by this

2 existing tau jet reconstruction algorithms tried:

**TaJet** https://github.com/shkawada/mini-DST/v0 **TauFinder** https://github.com/shkawada/mini-DST/v1

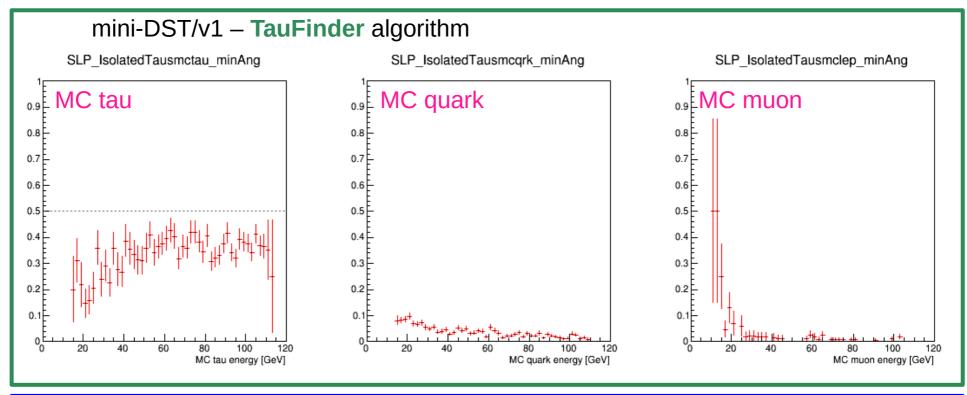
look at angle between each of final 3 visible MC fermions (ie no neutrinos) and closest reconstructed tau jet

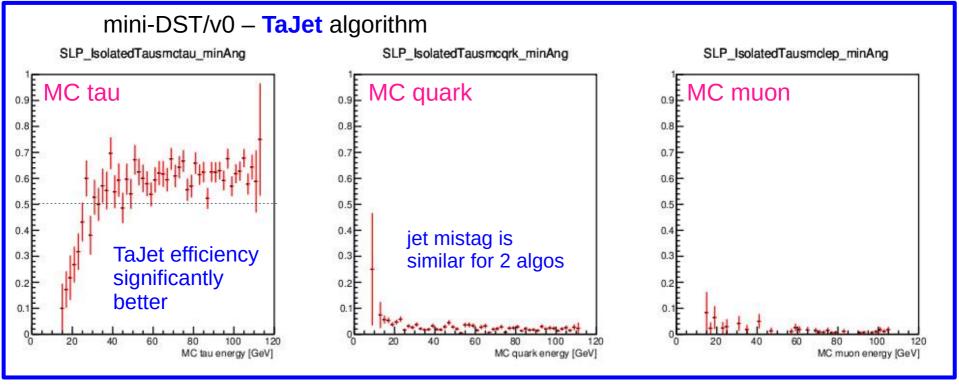


80 100 120 MC tau energy [GeV]

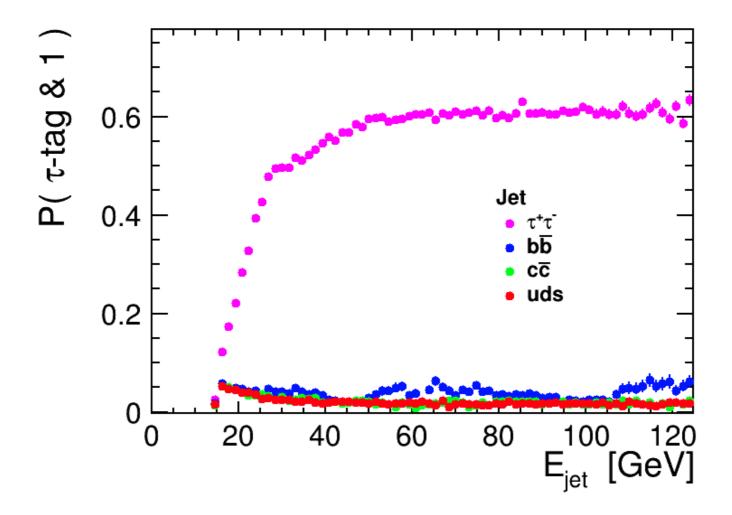
MC energy

fraction of MC fermions with reco tau jet within 0.2 rad





## TaJet results implemented in Delphes ILC detector model (Filip et al)



a reasonable description of general tau-finding performance