
Subject: Re: Upcoming DC

Posted by [Jens Sören Lange](#) on Wed, 09 Apr 2008 14:07:12 GMT

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Hi all,

the stt and tpc macros for the DC are now checked in.

pandaroot/macro/dc1

NOTE that infile and outfile are still fixed in the macros.

stt
===

```
root -b runsim.C"(nEvents,pT)"
root -b rundigi.C
root -b runreco.C
```

params 1175k+11.7k/event (params really seem to be run dependand)
sim 240k+6.5k/event
digi 10k+10.6k/event
reco 0.3k+0.2k/event

differences to usual svn macros:

- o field maps instead of constant field
- o nEvents and pT are option parsed in sim
- o nEvents is zero (=read all) in digi and reco

Proposal:

pT=30,40,50,...100 MeV/c
pT=100,200,300,...,1000 MeV/c
pT=1,2,3,...,7.5 GeV/c
10,000,000 events each

tpc
===

we will use Stefano's new macros

```
root -b run_sim_tpcmvd.C"(nEvents,pT)"
root -b run_rectrack_tpcmvd.C
```

params 43k (params seem to be fixed)
sim 46k+17.4k/event
digi+reco zero kB+39.2k/event

differences to usual svn macros:

- o nEvents and pT are option parsed in sim

Proposal:

pT=30,40,50,...100 MeV/c

pT=100,200,300,...,1000 MeV/c

pT=1,2,3,...,7.5 GeV/c

10,000,000 events each

dpm

===

not macros, but here Johan's bash scripts will be used.

however, for Kilian's calculation of disk space:

250 bytes/event

nEvents and beam momenta for dpm will be proposed tomorrow.

cheers, Soeren
