
Subject: hyperon fast simulations

Posted by [Karin Schönning](#) on Thu, 08 May 2014 15:04:56 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi,

is the simfast_opt.C file (scrut14 revision 24805 checked out on May 6th) ready to use? I tried to run it, changing the magnetic field to HALF and changed p_min from 0.5 to 0.1 in

```
fastSim->AddDetector("ScFts",    "tthMin=0.  tthMax=5.  ptmin=0.0 pmin=0.1 pRes=0.05  
tthRes=0.002 phiRes=0.002 efficiency=0.80");
```

Then I tried

```
root -l -b -q 'simfast_opt.C("lbarsim","lbar_fwp_1-642.DEC",1.64,10000,"pbarpSystem  
",88888,"det_full")'
```

the program runs smoothly but I expected it to reproduce the results from running

```
root -l -b -q 'simfast.C("lbarsim","lbar_fwp_1-642.DEC",1.64,10000,"pbarpSystem ")'
```

with the same changes.

However, in the former case, the acceptance is about 1/10 compared to the latter case.

Cheers,

/Karin