
Subject: Re: About run time of new reco macro
Posted by [Lia Lavezzi](#) on Mon, 27 May 2013 09:19:42 GMT
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Dear Ajay,

the work on the secondary track finder is still ongoing.
You can find a very first version of the task in:
[https://subversion.gsi.de/trac/fairroot/browser/pandaroot/trunk/tracking /TrkSecondary](https://subversion.gsi.de/trac/fairroot/browser/pandaroot/trunk/tracking/TrkSecondary). It is the PndTrkLegendreTask.cxx.

I did not test it on real events yet, I have just started testing it on single muon tracks stemming from a vertex distant from the IP, to see how it works, which are the problems and how to tune the parameters.

Moreover I tested it only once with the Kalman filter following it and it was crashing (I still have to understand why).

If you want to try it, you can put these lines in the tracking macro instead of the ones calling the primary track finder:

```
PndTrkLegendreTask *secFind= new PndTrkLegendreTask();  
secFind->SearchSecondaryTracks();  
fRun->AddTask(secFind);
```

but please remember it is still a work in progress.

Cheers,
Lia.
