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Subject: PID working group

Posted by [Stefano Spataro](#) on Fri, 17 Dec 2010 12:39:10 GMT

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Dear all,

I think it is the time to try to finalize our efforts toward a good (and hopefully also stable) particle identification software.

At present, some algorithms based on Bayesian approach are implemented -> STT, DIRC, DISC, MVD (needs an update), some hard cuts for MDT, there is an infrastructure for MVA identification for electrons. The design and the integration with analysis is not yet fixed.

For this reasons, I would like to try to collect all the people interested in working on this subject, trying to share tasks to reach results in a short (hopefully time).

An indicative list of possible work packages could be:

- Tracking validation for all the particle types
- Study of correlation between tracks and PID detectors
- PID for TPC
- Pid algorithm for EMC using Bayesian approach (R.Kunne)
- Pid alorgythm for EMC using MVA (M.Babai)
- Photon/pi0 separation using EMC
- Muon ID with MDT
- Check of efficiency/purity for the implemented algorithms
- Interface with analysis

I have also added the names of people who have already started to working on the subject. But each point needs even more than one person to fulfill our goals.

I would like to ask who is interested in this subject and would like to give an help. We could organize in early January (next week probably will be too close) an evo meeting to present the status and start some coordination.

Volunteers are welcome!!!

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Subject: Re: PID working group

Posted by [Klaus Götzen](#) on Fri, 17 Dec 2010 13:31:37 GMT

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Hi Ste,

concerning the interface to analysis, most likely I don't get around to volunteer.

Regarding a date for the EVO meeting, I'll be back from x-mas holidays the second week of january (10.1.11).

Best wishes, merry x-mas and a happy new year to all PandaROOTer's,

Klaus

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Subject: Re: PID working group  
Posted by [M.Babai](#) on Wed, 22 Dec 2010 11:07:44 GMT  
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Hi Stefano,

I'm volunteering too, . After January 10th is also Okay with me!.

Best wishes and happy holidays to all of you.

MB

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Subject: Re: PID working group  
Posted by [StefanoSpataro](#) on Thu, 27 Jan 2011 15:30:50 GMT  
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Dear all,  
next week we are planning to dedicate the usual pandaroot EVO meeting to PID discussion, on wednesday 2nd February 2011 at 10:00 AM.

For this reason I would like to ask to all the people involved, or who would like to be involved, to show up and participate to the discussion, to present eventual work or points of discussion, even to organize pid activities.

We are hoping to "listen" you all

Ste and Johan

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Subject: Re: PID working group  
Posted by [Gianluigi Boca](#) on Thu, 27 Jan 2011 17:12:53 GMT  
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Stefano Spataro wrote on Thu, 27 January 2011 16:30Dear all,  
next week we are planning to dedicate the usual pandaroot EVO meeting to PID discussion, on wednesday 2nd February 2011 at 10:00 AM.

For this reason I would like to ask to all the people involved, or who would like to be involved, to show up and participate to the discussion, to present eventual work or points of discussion, even to organize pid activities.

We are hoping to "listen" you all

Ste and Johan

Hallo Stefano,  
next week on 1-2 Feb there is a 'Special Technical Board' meeting here at GSI.  
You can see the agenda on  
<http://www-panda.gsi.de/framework/meetings.php>  
Unfortunately the schedule just absorbs all day.  
Would it be possible to move the PID EVO meeting please to another day ?  
Gianluigi

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Subject: Re: PID working group  
Posted by [Stefano Spataro](#) on Thu, 27 Jan 2011 20:33:45 GMT  
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What about friday 4h February at 10:00 AM?

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Subject: Re: PID working group  
Posted by [Gianluigi Boca](#) on Thu, 27 Jan 2011 20:37:02 GMT  
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Stefano Spataro wrote on Thu, 27 January 2011 21:33 What about friday 4h February at 10:00 AM?

very good for me !  
Gianluigi

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Subject: Re: PID working group  
Posted by [Malgorzata Gumberidze](#) on Thu, 27 Jan 2011 20:44:29 GMT  
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should be also good for Orsay people

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Subject: Re: PID working group  
Posted by [Roberto Pérez](#) on Mon, 31 Jan 2011 11:36:39 GMT  
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Hi Stefona

I have one account in the Forum

I will assist with all group of Mainz (Manuel, Dmitry, Yue and me)...

See you on EVO on Friday.

Cheers,

Roberto

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