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Subject: Re: Tracking discussion

Posted by [Andreas Herten](#) on Thu, 26 Sep 2013 07:06:29 GMT

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Hey Stefano,

first off: We might have a few people involved in tracking, but I think every person follows their research into individual approaches / niches. So, IMHO, they are not all doing exactly the same. Anyway, you're absolutely right that manpower and things might not be as efficiently distributed among the PANDA tracking challenges as it could be and we should definitely exchange thoughts, results – and work.

Quote:b) only one algorithm considers time based stream, all the others not.

True. AFAIK only the Triplet Finder is built, right from the very basis of its algorithmic idea, around time-basedness. But I think there are more algorithms which can, in principle, use timed hits instead of event'ed hits. You are right, though, I don't know of anyone looking into that. Because, at least for me, that's another level of complicatedness on top of already complicated things .

Quote:c) there are many new algorithms, without completing the old ones.

I only can say something to this for my / our case in Jülich. We are looking into algorithms and, on the way, get better / more promising ideas. So we follow up on these ideas. At the moment we are still continuing researching in all algorithms we touch, though. Well, besides the Triplet Finder...

Quote:...but if I have understood well Marius left and nobody will continue it.

You have understood correctly. That was the reason I brought that up during the Bochum meeting. Maybe someone would have liked to continue working on this algorithm. At the moment, though, I have not heard from anyone.

Concerning your last points c) I think Tobias was looking into some paper write ups to see how other experiments / researchers are doing this. But probably he should continue on that.

In any case: I think we have a lot of things to talk about and to decide on about the future of tracking in PANDA. I'd like to meet up somewhere to discuss !

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