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Subject: FP7 Proposal

Posted by [Johan Messchendorp](#) on Tue, 14 Aug 2007 12:44:49 GMT

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Dear all,

During our last tracking workshop in Ferrara we discussed a JRA with a focus on particle tracking-related aspects. Soeren has started a list of topics which we can address in such an application on the computing wiki site with a request for additional input. The deadline for the JRA is coming up soon (15th September), so I started collecting the available information and text in the appropriate format. The latest version of the proposal can be found at

<http://panda-wiki.gsi.de/cgi-bin/view/Computing/PandaRootFP7>

It is by far not finished yet, partly since it misses some relevant input from your side.

The present title of the proposal is "Particle Recognition Tools for Hadron Studies" - referring pre-dominantly to the development of an extensive software toolbox for particle tracking with Panda. So far, the proposal focusses on the following sub-projects:

- 1) Development and evaluation of different track finder and fitter algorithms;
- 2) Kalman filters;
- 3) Track extrapolation in inhomogeneous fields;
- 4) Track finding in realtime;
- 5) Tools for Particle Identification

For more information, I refer to the document on the Wiki site. We propose to request 4 PhDs (2 for sub-projects 1-3, 1 for sub-project 4, and 1 for sub-project 5), 1 postdoc (overall coordination), and 36 kEuros of traveling money for workshops etc. In total this yields to ~500 kEuros.

Here comes my set of question to you!

- 1) are you - still - interested to participate in this proposal, if yes then...
- 2) who would be the contact person for your institute?
- 3) which of the above sub-project would you like to participate in, or do you like to add a related topic or reformulate?

I would appreciate if you could answer the above questions by the end of this week. Before the 28th of August, I would like to collect the following additional information each of the contact persons....

- 4) indicate the expertise of your institution with some key publications;
- 5) indicate your overall contribution in man-months to the JRA.

Kind wishes and hope to hear from you soon,

Johan Messchendorp.

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