Physics Coordinator communications

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SPD Physics & MC meeting
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MC production

The SPD computing people are interested in developing and testing the production system. It seems we have enough space on eos to accommodate data, even being stored in a very inneficinent way.

- **As for now, I see a critical need to do large scale production for open charm studies:**
  - exclusive open charm (D0 → Kπ, D+ → Kππ) sample, ~10 million events;
  - minimum bias sample, ~1 billion events;
  - both tracker configurations + PID information are required;
  - other tracker configuration may be considered.
- Similar large scale simulation can be performed for charmonia
  - exclusive J/ψ → μ+μ-, ~ 10 million;
  - minimum bias, ~ 1 billion;
  - tracker, ECal, RS.
- A lot of issues last week with batch on LIT and the VLHEP clusters.
- **Please, communicate to me you suggestions!**

SpdRoot

- Andrey's commit on γ/π0 separation is merged to the(**master branch** (not the part of 4.1.5.1 release!)

- Zhanibek has sent me codes for the detailed BBC description with the correct (current!) geometry and segmentation, as well as analysis script. I will work on that to make a merge request.

- We may have PID for deuteron soon.

- We are missing a physical example on working with PID information!

- We will need an update of geometry, once it is publicly released.

- SpdRoot remains very difficult to start working with.

Dates

- The next Physics & MC meeting will be held on **22-nd of March**.

- Whether we have meeting in April will depend on the dates of CM.

- **Tentative plan** for the next meetings: May 24 and June 28.