Physics Coordinator communications

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SPD Physics & MC
24 May 2023

SpdRoot

Geometry update

- A branch *geometry-update-spring-2023* is created in the git repository.

- For **ECal** a merge request is made, update for **RS** is suggested.

- **TOF** and **AEG** geomtry updates are close to be merged.

- **BBC** geometry with segmentation **has not been merged yet** .

- No magnetic field map yet. The magnetic field code needs an update.

- DIRC geometry described to estimate impact on ECal energy resolution (not merged yet)

- Overall, I expect geometry update to be finished by the **next Physics & MC meeting.**

Analysis tools

- Deuteron PID via TOF and dE/dx to be merged soon.

Physics examples require an update! Please use performance tests scripts as base scripts now.

Important tasks

- MAPS VD optimization

- Pattern recognition from ST → VD (MCT)

- More realistic reconstruction with "combinatorial hits" in strip-like detectors (DSSD, MCT, RS)

- Online filter requirements to select physics events

For more details see my talk at the last CM.

Meeting agenda

SCIENCE BRINGS NATIONS TOGETHER
SPD Physics and MC meeting N32

📅 Wednesday 24 May 2023, 11:00 → 15:00 Europe/Moscow

11:00 → 11:10   **Communications from Physics Coordinator**   🕐 10m

     Speaker: Igor Denisenko (JINR)

11:10 → 11:40   **Ion-ion collisions**   🕐 30m

     Speaker: Grigory Nigmatkulov (National Research Nuclear University MEPhI (Moscow Engineering Physics Institute))

11:40 → 12:00   **Track parameters at the primary vertex**   🕐 20m

     Speaker: Vladimir Andreev (LPI, Moscow)

12:00 → 12:20   **Short Update on D0 Statistical Uncertainty**   🕐 20m

     Speaker: Amaresh Datta (JINR)

12:20 → 12:30   **Geometric description of DIRC in SpdRoot**   🕐 10m

     Speaker: Artem Ivanov (JINR)

Next meetings

- Physics & MC: **June 21**, **July?**

- Continue Physics Weekly meetings

Thank you!