

SPD physics at the first phase

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Goals

- Understand where we are, what we have right now
- Organize the effort (meetings, working groups, publications)

- Our ultimate goal: accelerate the effort and make it more close to reality. Obtain expected results with the realistic inputs (beam mode, particles, energies; detector setup etc): event counts, significance, etc.

- Our initial plan of physics measurements during the first phase is [here](#). It can be improved and extended. However currently **some tasks are fully uncovered**.

- Goal of this year: to define **realistic measurements** and requirements from them (on the beam, setup etc), summarizing in a short document.

Plan for the first half of the year

- We will have topical meetings with one main presentation and discussion.
- Additional short presentations are also possible, if they are related to the first stage.
- Meetings will be held **biweekly on Tuesdays at 3pm Moscow time**

Preliminary schedule

Current schedule of the talks:

25/03 – Vladimir Ladygin

08/04 – 1st talk - Boris Kostenko; 2nd talk – Daria Larionova

22/04 – Anatoly Lvov

- Please fill free to book the date for your contribution!
- We can have 2 talks on some of the meetings.
- We expect to hear about the study you are proposing, about the status of the model, of MC. Also, we are interested to hear about beam conditions and detector configuration you need.
- If you already have some luminosity estimations and/or event counts for your process – it would be great!

Forms received so far

List of the people who send us form:

- Alexey Guskov
- **Reham El-Kholy**
- Vladimir Baryshevsky
- Vladimir Kurbatov
- Daria Larionova (2 forms)
- Vladimir Vechernin
- Vladimir Ladygin
- Yuri Uzikov
- Mikhail Dubinin
- **Alexey Larionov**
- Alexandr Berezhnoy (5 forms)
- **Victor Kim**
- **Grigory Nigmatkulov**

We will give more feedback to you soon. Then you should update your proposals and also you can withdraw them or send us the new ones. We are still open for new proposals!

1st phase proposals workshop

- We plan to have a 1-day workshop where all proposals will be detailly discussed with the experts from collaboration and accelerator team.
- Each presentation – 5 minutes – only main things to present: abstract of the study, final state to be studied, observables, actuality+competitiveness, experimental requirements, expected performance.
- Then 15 minutes for discussion.
- Plan to have it around **23rd of April. To be confirmed.**