# SPD physics at the first phase: intro

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# Goals

- Main 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**.

- We have ~20 proposals for the physics studies. Just 4-5 of them have SPDRoot reconstruction level study. Some of them have only theoretical basis without any experimental humanpower. Our goal is to increase the fraction of advanced studies.

# News and plans

- Main news:
- Second workshop on the physics of the first phase will take place on Tuesday, 31st of March: https://indico.jinr.ru/event/5966/

  *We would like to collect information about progress of each proposal or about the problems preventing this progress.*

- 1st phase physics meeting:
- Meetings from now on will be held **monthly: on the first Tuesday of the month at 3pm Moscow time.**

  *Topics of the talks should be related to the updates on the 1st phase physics proposals (status reports) and to the presentation of the brand-new proposals.*

- Document summarizing advanced analyses:
- We are working on the first draft together with the leaders of these advanced analyses. Plan to have it ready till the end of the month.

- Main links:
  - Our previous workshop: https://indico.jinr.ru/event/5351/
  - First SPD software tutorial: https://indico.jinr.ru/event/5367/
  - Last SPD Collaboration meeting: https://indico.jinr.ru/event/5532/

# Some conferences

- **Quarks-2026**

Petrozavodsk, 18-23 of May, https://indico.quarks.ru/event/2034/
*Deadline: 19th of March*

- **«Физика частиц при средних и высоких энергиях»**

Protvino, 2-5 of June, https://indico.ihep.su/e/PPIHE2026
*Deadline: 20th of April*

- **NUCLEUS-2026**

Khabarovsk, summer 2026, *tba*

- **ICPPA-2026**

Moscow, 13-16 of October, *tba*