Report of the spokespersons

A. Guskov
V. Kim

The SPD collaboration turns 5!

Alexey Guskov 4 June 2021 at 20:13

official birthday of the SPD collaboration

To: spd_cb, Vladimir Andreev, Roumen Tsenov & 5 more Details

Dear Founding Fathers,

today at the SPD Collaboration board meeting the Constitution of the SPD was adopted unanimously. The work, started 2 years ago was completed successfully. I would like to thank the members of the Drafting Committee, Oleg Dalkarov, the chair of this committee, and all contributors, explicit and implicit. I can imagine how hard it was done and we will remember it.

We have a lot of complex and interesting work ahead of us. But let's remember this day as the birthday of the SPD international collaboration!

Best regards.
Alexey



kekelidze 6 June 2021 at 08:37

Re: official birthday of the SPD collaboration

To: Alexey Guskov, Cc: spd_cb, Vladimir Andreev & 4 more Details

Dear Alexey, dear SPD collaboration participants!

Please accept my congratulations on reaching this important milestone.
I wish you continued success in promoting this outstanding project.
With best regards,
Vladimir Kekelidze

Prof. V.Kekelidze,
Corr.-member of RAS,
Vice-Director, Joint Institute for Nuclear research;
141980, Dubna, Russia,

SPD Collaboration meeting at Tomsk

XI SPD collaboration meeting

18-22 May, TSU



Participants:

Total: 175
In person: 84
from JINR: 36
foreigners: 6
local: 13

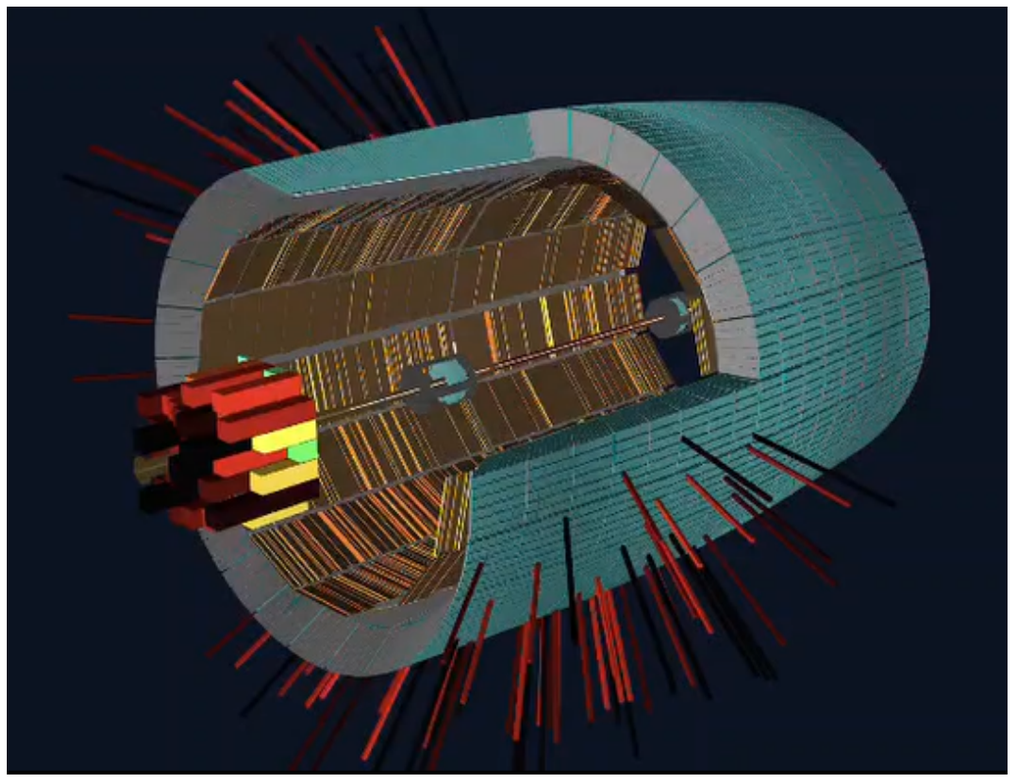
64 talks
by JINR: 30

Interaction with JINR PAC

The PAC takes note of the report on the status of the SPD experiment, presented by A. Guskov. Over the past six months, the main focus has been on organizing and conducting procurement for the magnetic yoke, which is still ongoing. Work continues on coordinating and preparing technical specifications for the installation of cryogenic pipelines and the construction of cryogenic tanks for liquid helium, argon, nitrogen, and CO_2. A company is being selected for the production and installation of helium pipelines. Testing of prototypes of the main subsystems of the SPD continues. An international online seminar, “Spin physics in the lead-up to the NICA SPD experiment,” was successfully held to better understand the role of the SPD experiment in modern spin physics. The PAC encourages the SPD team to continue these efforts.

NICA: run 2

- Second run started at NICA (see talk by E. Syresin today
- Prototypes of the SPD sub-detectors are placed in the SPD IP (see talk by V. Ladygin tomorrow and Phase-0 session today)
- The NICA complex is being prepared for acceptance testing by the state commission.



First events at MPD setup!

Our priorities

- **Yoke of the SPD magnet**
- **SPD magnet itself**
- **Prototypes tests in the SPD IP (phase-0 programme)**
- **Engineering and cryogenics infrastructure of the SPD setup**
- **Development, prototyping, assembling and test of the Stage-1 subsystems**
- **R&D and prototyping for the Stage-1 detectors**
- **IT infrastructure: development and expansion, as well as the maintenance of infrastructure for MC needs**
- **Transition from SPDRoot to SAMPOO software**
- **Updating the stage-1 physics programme, upgrading the detector performance, and increasing the degree of integration of the SPD physics programme with global trends in spin physics development**
- **Enhancing the SPD project's visibility in the world.**

SPD magnet yoke





Although a tender for the creation of the SPD magnet yoke was held at the end of June and the “Tyazhmash” plant was declared the winner, the institute's management ultimately considered the price of 1.4 billion rubles too high. The tender results were cancelled. At the same time, the directorate is not abandoning the creation of the yoke.

Currently, we repeating the tender procedure with updated specification of the yoke

SPD magnet

As a result of work on the SKIF synchrotron source, as well as due to numerous other orders for magnet systems, the Budker Institute of Nuclear Physics (BINP) has become overloaded and has already significantly fallen behind schedule on work for the NICA collider magnets.

The JINR directorate no longer considers the option of manufacturing the magnet by BINP. In this connection, two options are currently being considered. The first is the creation of the magnet according to the BINP design by JINR forces under BINP's author supervision. The second option is, using the experience gained at JINR in creating the magnet for the MSC-230 medical cyclotron, to create the SPD magnet using a similar technology at JINR. A decision on choosing one of the options will not be made until the end of the year.

State assignment

The state assignment program for Russian research institutions under the Ministry of Science and Higher Education has been extended through 2027–2029, with funding maintained at the same level.

Lebedev Inst., BINP, Tomsk State Univ., MEPhI, Samara Univ., SPbPU, INP

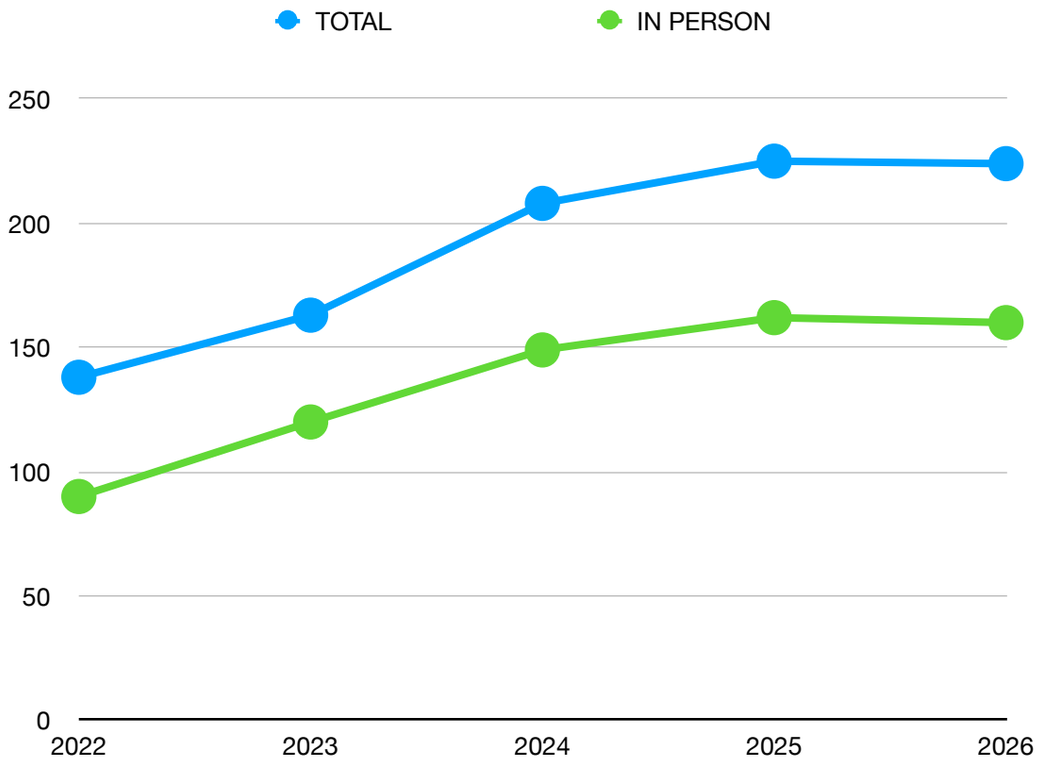
MoU

MoU with USTC and Shandong university are agreed.

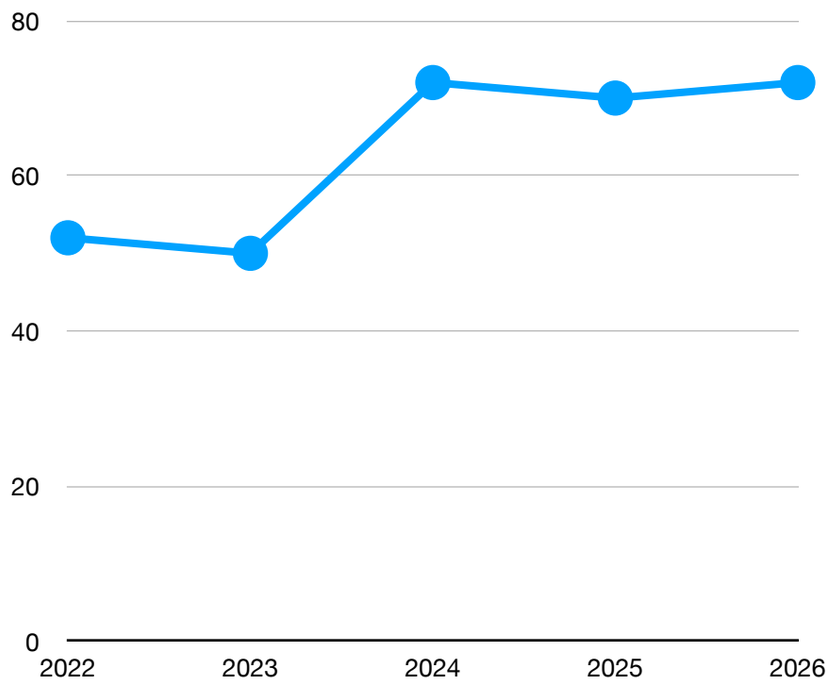
Signing procedure is in progress

SPD CMs in Dubna

Number of participants



Number of talks

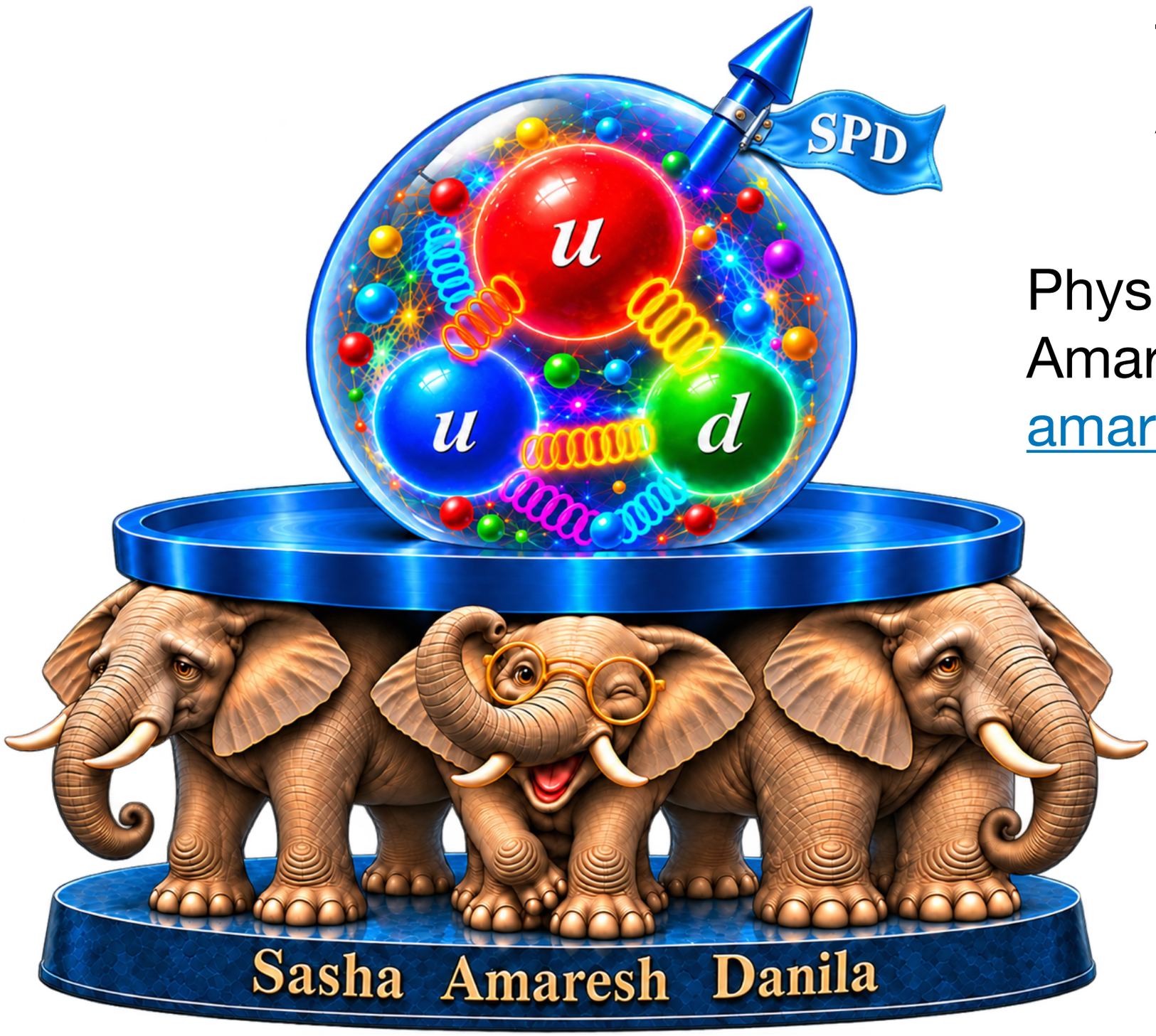


It seems, our meetings have outgrown their initial format, and we should reconsider our approach to organizing them.

Next Collaboration meeting: May 2027



Our elephants



Technical coordinator
Alexander Korzenev
akorzenev@jinr.ru

Physics coordinator
Amaresh Datta
amareshdatta@gmail.com

Software coordinator
Danila Oleynik
danila@jinr.ru