

Report of the SPD PubCom chair

SPD collaboration meeting

JINR, Dubna, December 13, 2021

Oleg Teryaev
JINR, Dubna

Temporary Publication Committee

<http://spd.jinr.ru/publication-committee/>

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A. Guskov JINR

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V. Ladygin JINR

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SPD Temporary Publication Policy

13.06.2019

<http://spd.jinr.ru/wp-content/uploads/2019/06/SPDPublicationRules-1.pdf>

General talks

A talk is treated as general if it represents overview of the SPD project in general, its physics program or the SPD setup as a whole (i. e. includes contributions from more than one working group).

Dedicated talks

A talk reporting the results of a single working group (performance of a subdetector, a Monte Carlo simulation for a certain physics task etc.) is treated as dedicated talk.

Journal papers

Dedicated journal papers, devoted e.g. to some particular subdetector, a special experimental technique or a Monte Carlo simulation for a certain physics task are signed by a subgroup of people who have directly contributed to the subject.

Papers with theoretical predictions for the SPD experiment are treated as private and not subject of the SPD Publication Policy except cases when the dedicated SPD elaborations (e.g. software) is explicitly used.

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Document Type

- conference paper 5
- article 1

Author

- Alexey Guskov 2
- Anatoly I. L'vov 1
- Aram M. Kotzinian 1
- Serguei Khabarov 1
- Johann Haidenbauer 1
- Grigori A. Feofilov 1
- Oleg Denisov 1

6 results | [cite all](#)



Most Recent ▾

Spin Physics Detector project at JINR #1

SPD Collaboration • [Alexey Guskov](#) (Dubna, JINR) for the collaboration. (Oct 17, 2021)

Contribution to: [PANIC 2021](#) • e-Print: [2110.08930](#) [hep-ex]

[pdf](#) [cite](#)

0 citations

Conceptual design of the Spin Physics Detector #2

SPD proto Collaboration • [V.M. Abazov](#) (Unlisted) et al. (Jan 31, 2021)

e-Print: [2102.00442](#) [hep-ex]

[pdf](#) [cite](#)

8 citations

Physics with charmonia at the SPD experiment #3

SPD working group • [Igor Denisenko](#) (Dubna, JINR) for the collaboration. (Nov 20, 2019)

Published in: *J.Phys.Conf.Ser.* 1435 (2020) 1, 012034 • Contribution to: [DSPIN-19](#) • e-Print: [1911.08958](#) [hep-ex]

[pdf](#) [DOI](#) [cite](#)

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Physics with prompt photons at SPD #4

SPD Working Group • [Alexey Guskov](#) (Dubna, JINR) for the collaboration. (Oct 17, 2019)

Published in: *J.Phys.Conf.Ser.* 1435 (2020) 1, 012035 • Contribution to: [DSPIN-19](#) • e-Print: [1910.07838](#) [hep-ex]

[pdf](#) [DOI](#) [cite](#)

1 citation

SPD — the Spin Physics Project with Polarized Proton and Deuteron Beams at the NICA Collider #5

SPD Working Group • [Alexey Guskov](#) (Dubna, JINR) for the collaboration. (Apr 9, 2019)

Published in: *JPS Conf.Proc.* 26 (2019) 021018 • Contribution to: [QNP2018](#) • e-Print: [1904.04779](#) [hep-ex]

[pdf](#) [DOI](#) [cite](#)

2 citations

The SPD project for spin physics studies at the NICA accelerator complex #6

SPD project team • [Roumen Tsenov](#) (Dubna, JINR) for the collaboration. (Jan 30, 2019)

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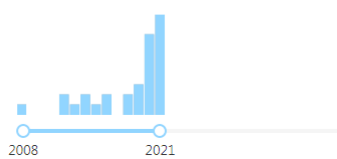
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Number of authors

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- 10 authors or less 31

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Document Type

- conference paper 29
- published 5
- article 4

Author

- Alexander I. Zinchenko 5
- Mikhail Malaev 5
- Evgeny L. Kryshen 4
- Victor G. Riabov 4
- Vladimir D. Kekelidze 3
- N.S. Geraksiev 3

32 results | [cite all](#)



Most Recent

Feasibility Study for the Net-Proton and Net-Kaon Event-by-Event Fluctuations Measurements with the MPD Detector #1

MPD Collaboration • A. Mudrokh (Dubna, JINR) et al. (Sep 3, 2021)

Published in: *Phys.Part.Nucl.* 52 (2021) 4, 644-647 • Contribution to: [RFBR grants for NICA](#)

[DOI](#) [cite](#)

0 citations

Thermal Photon and Neutral Meson Measurements Using the Photon Conversion Method in the MPD Experiment at the NICA Collider #2

MPD Collaboration • E. Kryshen (St. Petersburg, INP) et al. (Sep 3, 2021)

Published in: *Phys.Part.Nucl.* 52 (2021) 4, 669-674 • Contribution to: [RFBR grants for NICA](#), 669-674

[DOI](#) [cite](#)

0 citations

Performance for Directed Flow Measurements of the MPD Experiment at NICA Collider #3

MPD Collaboration • R. Parfenov (Moscow Phys. Eng. Inst.) et al. (Sep 3, 2021)

Published in: *Phys.Part.Nucl.* 52 (2021) 4, 618-623 • Contribution to: [RFBR grants for NICA](#)

[DOI](#) [cite](#)

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Neutral Mesons and Dielectrons #4

MPD Collaboration • E. Kryshen (St. Petersburg, INP) et al. (Sep 3, 2021)

Published in: *Phys.Part.Nucl.* 52 (2021) 4, 686-690 • Contribution to: [RFBR grants for NICA](#)

[DOI](#) [cite](#)

0 citations

Study of Production Features, Modeling and Optimization of Algorithms for Reconstruction of Short-Lived Hadron Resonances in the MPD Experimental Setup at the NICA Collider #5

MPD Collaboration • D. Ivanishchev (St. Petersburg, INP) et al. (Sep 3, 2021)

Published in: *Phys.Part.Nucl.* 52 (2021) 4, 703-709 • Contribution to: [RFBR grants for NICA](#)

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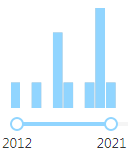
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Number of authors

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Document Type

- conference paper 10
- article 2
- published 2

Author

- Mikhail Kapishin 4
- A. Izvestnyy 3
- A. Ivashkin 3
- F. Guber 3
- M. Golubeva 3
- N. Karpushkin 3

12 results | [cite all](#)



Most Recent

Measurements of Centrality in Nucleus–Nucleus Collisions at the BM@N Experiment #1

BM@N Collaboration • F. Guber (Moscow, INR and Moscow, MIPT) et al. (Sep 3, 2021)

Published in: *Phys.Part.Nucl.* 52 (2021) 4, 571-577 • Contribution to: [RFBR grants for NICA](#)

[DOI](#) [cite](#)

0 citations

Application of Machine Learning methods for centrality determination in heavy ion reactions at the BM@N and MPD@NICA #2

BM@N and MPD Collaborations • N. Karpushkin et al. (Dec 1, 2020)

Published in: *J.Phys.Conf.Ser.* 1690 (2020) 1, 012121 • Contribution to: [ICPPA 2020](#)

[DOI](#) [cite](#)

1 citation

BM@N First Results #3

BM@N Collaboration • Mikhail Kapishin (Dubna, JINR) for the collaboration. (Oct 4, 2020)

Published in: *Springer Proceedings in Physics* • Published in: *Springer Proc.Phys.* 250 (2020) 21-27 • Contribution to: [SQM 2019, 21-27](#)

[DOI](#) [cite](#)

1 citation

New forward hadron calorimeter and hodoscope for the BM@N heavy ions experiment #4

BM@N Collaboration • F. Guber (Moscow, INR and Moscow, MIPT) et al. (May 11, 2020)

Published in: *JINST* 15 (2020) 05, C05020 • Contribution to: [CHEF 2019](#)

[DOI](#) [cite](#)

2 citations

Transverse and longitudinal segmented forward hadron calorimeters with SiPMs light readout for future fixed target heavy ion experiments #5

NA61/SHINE and CBM and BM@N Collaborations • F. Guber (Moscow, INR) et al. (Apr 1, 2020)

Published in: *Nucl.Instrum.Meth.A* 958 (2020) 162728 • Contribution to: [VCI2019](#)

[DOI](#) [cite](#)

1 citation

Studies of baryonic matter at the BM@N experiment (JINR) #6

Feedback

SPD related papers

<http://spd.jinr.ru/spd-publications/>

[On the physics potential to study the gluon content of proton and deuteron at NICA SPD](#)

[A. Arbuzov \(Dubna, JINR\), A. Bacchetta \(Pavia U. and INFN, Pavia\), M. Butenschoen \(Hamburg U., Inst. Theor. Phys. II\), F.G. Celiberto \(Pavia U. and INFN, Pavia and ECT, Trento and Fond. Bruno Kessler, Povo\), U. D'Alesio \(Cagliari U. and INFN, Cagliari\) et al.](#)

e-Print: [2011.15005 \[hep-ex\]](#)

DOI: [10.1016/j.pnpnp.2021.103858](#)

Published in: Prog.Part.Nucl.Phys. 119 (2021), 103858

[24 citations](#)

[Possible Studies at the First Stage of the NICA Collider Operation with Polarized and Unpolarized Proton and Deuteron Beams](#)

[V.V. Abramov \(Serpukhov, IHEP\), A. Aleshko \(SINP, Moscow\), V.A. Baskov \(Lebedev Inst.\), E. Boos \(SINP, Moscow\), V. Bunichev \(SINP, Moscow\) et al.](#)

DOI: [10.1134/S1063779621060022](#)

Published in: Phys.Part.Nucl. 52 (2021) 6, 1044-1119

Conferences

<http://spd.jinr.ru/conferences/>

2021: 13 talks at 11 conferences

[24TH INTERNATIONAL SPIN SYMPOSIUM SPIN2021/ 18-22 OCTOBER 2021/ MATSUE JAPAN](#)

[SPIN PHYSICS DETECTOR AT NICA/ PLENARY TALK BY V LADYGIN \(FOR SPD COLLABORATION\)](#)

[XXVIII International Workshop on Deep-Inelastic Scattering and Related Subjects, Stony Brook, 12-16 April 2021](#)

[The SPD \(Spin Physics Detector\) experiment at NICA, talk by A. Korzenev \(for SPD Collaboration\)](#)

[22-nd PANIC21 Conference, 5-10 September 2021, Lisbon, Portugal](#)

[Spin Physics Detector project at JINR, talk by A. Guskov \(for SPD Collaboration\)](#)

[Quarkonia as Tools 2021, 22-26 March 2021](#)

[Physics with charmonia at the SPD experiment, talk by I. Denisenko \(for SPD Collaboration\) 19-th International Conference on Hadron Spectroscopy and Structure in memoriam Simon Eidelman \(HADRON2021\), 26-31 July 2021, Mexico City, Mexico](#)

[The NICA-SPD project: a new tool to investigate the hadron structure, talk by E. Tomasi - Gustaffson \(for SPD Collaboration\)](#)

Some 2022 conferences

[30th International Symposium on Lepton Photon Interactions at High Energies \(Lepton Photon 2022\)](#)

10-14 January 2022. The University of Manchester, Manchester, United Kingdom (C22-01-10)

[29th International Workshop on Deep-Inelastic Scattering and Related Subjects \(DIS2022\)](#)

2-6 May 2022. Santiago de Compostela, Spain (C22-05-02)

[14th Conference on the Intersections of Particle and Nuclear Physics \(CIPANP 2022\)](#)

30 May-5 June 2022. Lake Buena Vista, Florida, United States (C21-06-01)

[41st International Conference on High Energy Physics \(ICHEP 2022\)](#)

6-13 July 2022. Bologna, Italy (C22-07-06)

[14th Conference on Quark Confinement and the Hadron Spectrum \(Confinement XIV\)](#)

1-6 August 2022. Stavanger, Norway (C22-08-01)

[9th International Conference on Quarks and Nuclear Physics \(QNP2022\)](#)

5-9 September 2022. Gustav Stresemann Institut, Bonn, Germany (C22-09-05)

Conferences in 2022

[15th International Workshop on Heavy Quarkonium \(QWG 2022\)](#)

26-30 September 2022. Darmstadt, Germany (C22-09-26)

XXVth International Baldin Seminar on High Energy Physics Problems "Relativistic Nuclear Physics and Quantum Chromodynamics", **Joint Institute for Nuclear Research September 19 to 24, 2022**, Dubna, Russia.

DSPIN 2022 is planned for October 3-7, 2022

SUMMARY



SPD is visible in publications and
conference talks

SPD physics is extensively studied and
presented

More is required: DSPIN 2022 should be a
good particular option