

Директору ОИЯИ

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ЗАЯВЛЕНИЕ

Прошу Вас допустить меня к участию в выборах на замещение вакантной должности

научного сотрудника сектора 2 НЭОФСТИ, ЛФВЭ

(название должности, сектора, отдела, отделения, лаборатории)

25.05.20



Личная подпись, дата

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Список научных работ

за период с 2017 по 2020гг. (данные на 25.05.2020)

Публикации в рецензируемых журналах (зарубежные):

1. Measurement of meson resonance production in $\pi^+ C$ interactions at SPS energies
A. Aduszkiewicz et al., The European Physical Journal C, ISSN:1434-6044, eISSN:1434-6052, Изд:Springer, 77, 2017
2. Measurements of pion, kaon, proton and anti-proton spectra in proton-proton interactions at 20, 31, 40, 80 and 158 GeV/c with the NA61/SHINE spectrometer at the CERN SPS
Aduszkiewicz, A. et al., The European Physical Journal C, ISSN:1434-6044, eISSN:1434-6052, Изд:Springer, 2017
3. Measurements of total production cross sections for $\pi^+ C$, $\pi^+ Al$, $K^+ C$, and $K^+ Al$ at 60 GeV/c and $\pi^+ C$ and $\pi^+ Al$ at 31 GeV/c
NA61/SHINE Collaboration (A. Aduszkiewicz (Warsaw U.) et al.), Phys.Rev. D, Изд:APS, 98, 5, 052001, 2018
4. Measurements of hadron production in $\pi^+ C$ and $\pi^+ Be$ interactions at 60GeV/c
A. Aduszkiewicz et al. (NA61/SHINE Collaboration), Phys. Rev. D, Изд:APS, 100, 112004, 2019
5. Measurements of production and inelastic cross sections for $mboxp+mboxC$, $mboxp+mboxBe$, and $mboxp+mboxAl$ at 60 GeV/c and $mboxp+mboxC$ and $mboxp+mboxBe$ at 120 GeV/c
NA61/SHINE Collaboration (A. Aduszkiewicz (Warsaw U. of Tech.) et al.), Phys. Rev. D, Изд:APS, 100, 11, 112001, 2019
6. Measurements of π^\pm , K^\pm and proton double differential yields from the surface of the T2K replica target for incoming 31 GeV/c protons with the NA61/SHINE spectrometer at the CERN SPS
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7. Exploring the partonic phase at finite chemical potential in and out-of equilibrium
O. Soloveva, P. Moreau, L. Oliva, V. Voronyuk, V. Kireyeu, T. Song and E. Bratkovskaya, Particles, eISSN:2571-712X, Изд:MDPI AG, 2020
8. Parton-Hadron-Quantum-Molecular Dynamics (PHQMD) - A Novel Microscopic N-Body Transport Approach for Heavy-Ion Collisions, Dynamical Cluster Formation and Hypernuclei Production
J. Aichelin, E. Bratkovskaya, A. Le F`evre, V. Kireyeu, V. Kolesnikov, Y. Leifels, V. Voronyuk and G. Coci, Physical Review C, Изд:APS, 101, 2020

Публикации в рецензируемых журналах (российские):

1. The PHQMD model for the formation of nuclear clusters and hypernuclei in heavy-ion collisions

V. Kireyeu, J. Aichelin, E. Bratkovskaya, A. Le Fevre, V. Lenivenko, V. Kolesnikov, Y. Leifels, V. Voronyuk, Bulletin of the Russian Academy of Sciences: Physics, ISSN:1062-8738, eISSN:1934-9432, Изд:Allerton Press Inc., 2019

2. A new review of excitation functions of hadron production in pp collisions in the NICA energy range

V. Kolesnikov, V. Kireyeu, V. Lenivenko, A. Mudrokh, K. Shtejer, D. Zinchenko, Physics of Elementary Particles and Atomic Nuclei, Letters, ISSN:1814-5957, eISSN:1814-5973, Изд:JINR, Publishing Department, 17, 2, 142-153, 2020

3. Performance of the MPD detector in the study of the strangeness to entropy ratio in heavy-ion collisions at the NICA accelerator complex

V. Kolesnikov, V. Kireyeu, A. Mudrokh, A. Zinchenko, V. Vasendina, Physics of Elementary Particles and Atomic Nuclei, Letters, ISSN:1814-5957, eISSN:1814-5973, Изд:JINR, Publishing Department, 17, 3, 2020

Материалы научных мероприятий (международные, приглашенный доклад):

The PHQMD model for the formation of nuclear clusters and hypernuclei in heavy-ion collisions, V. Kireyeu, J. Aichelin, E. Bratkovskaya, A. Le Fevre, V. Lenivenko, V. Kolesnikov, Y. Leifels, V. Voronyuk, 2019

Материалы научных мероприятий (международные, устный доклад):

1. The 18th International Conference on Strangeness in Quark Matter (SQM 2019), , Bari, Italy
Parton Hadron Quantum Molecular Dynamics (PHQMD) – a Novel Microscopic N-Body Transport Approach for Heavy-Ion Dynamics and Hypernuclei Production, E.Bratkovskaya, J.Aichelin, A. Le Fevre, V.Kireyeu, V. Kolesnikov, Y.Leifels, V.Voronyuk, 2019

Материалы научных мероприятий (международные, секционный доклад):

1. The 2nd International Conference on Particle Physics and Astrophysics, , Moscow, Russia
Study of Clusters and Hypernuclei production within PHSD+FRIGA model, V Kireyeu, A Le Fèvre, E Bratkovskaya, Journal of Physics: Conference series, 798, 012069, 2017

2. XXIII International Baldin Seminar on High Energy Physics Problems, JINR, Dubna, Russia
Study of Clusters and Hypernuclei production within PHSD+FRIGA model, Viktor Kireyeu, Arnaud Le Fèvre, Elena Bratkovskaya, EPJ Web of Conferences, 138, 03004, 2017

3. 34th Winter Workshop on Nuclear Dynamics, , Deshaies, Guadeloupe
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4. VI International Conference on Particle Physics and Astrophysics (ICPPA-2018), , Moscow,

Russia

Fragments formation within PHQMD and do we really need it?, A. Le Fevre, E. Bratkovskaya, J. Aichelin, Y. Lefeils, 2018

Электронные публикации:

1. Proton-Proton Interactions and Onset of Deconfinement, <https://arxiv.org/abs/1912.10871>
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2. $K^* (892)^0$ meson production in inelastic p+p interactions at 158 GeV/c beam momentum measured by NA61/SHINE at the CERN SPS

NA61/SHINE Collaboration (A. Aduszkiewicz (Warsaw U.) et al.), 2020