

Основные научные труды

Младшего научного сотрудника сектора №2, НЭОФЭЧ ЛЯП

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Статьи в научных журналах с непосредственным личным вкладом:

1. «Measurement of the neutrino mixing angle θ_{23} in NOvA», » (NOvA Collaboration), *Phys.Rev.Lett.* 118 (2017) 15, 151802
2. «Constraints on Oscillation Parameters from ν_e Appearance and ν_μ Disappearance in NOvA» (NOvA Collaboration), *Phys.Rev.Lett.* 118 (2017) 23, 231801
3. «Matter effect in neutrino oscillations for long-baseline experiments», L. Kolupaeva, O. Samoylov, I. Shandrov, *Phys.Part.Nucl.Lett.* 14 (2017) 7, 975-980
4. «Some uncertainties of neutrino oscillation effect in the NOvA experiment» Lyudmila D. Kolupaeva, Konstantin S. Kuzmin, Olga N. Petrova, Igor M. Shandrov Published in: *Mod.Phys.Lett.A* 31 (2016) 12, 1650077
5. «New constraints on oscillation parameters from ν_e appearance and ν_μ disappearance in the NOvA experiment» (NOvA Collaboration) Published in: *Phys.Rev.D* 98 (2018), 032012
6. «First Measurement of Neutrino Oscillation Parameters using Neutrinos and Antineutrinos by NOvA» (NOvA Collaboration) Published in: *Phys.Rev.Lett.* 123 (2019) 15, 151803
7. «Study of Neutrino Oscillations in the NOvA Experiment» L.D. Kolupaeva, O.B. Samoylov Published in: *Phys.Atom.Nucl.* 84 (2021) 1, 63-67, *Yad.Fiz.* 84 (2021) 1, 48-52
8. «An Improved Measurement of Neutrino Oscillation Parameters by the NOvA Experiment» (NOvA Collaboration e-Print): 2108.08219 [hep-ex]
9. «Статус и перспективы исследования осцилляций трех типов нейтрино» Л.Д. Колупаева, А.Г. Ольшевский, О.Б. Самойлов, *Физика элементарных частиц и атомного ядра Т.* 52, № 3 (2021)

Тезисы конференций:

1. «Current results of the NOvA experiment», Liudmila Kolupaeva, published in: *EPJ Web Conf.* 125 (2016), 01002
2. «GNA: new framework for statistical data analysis» Anna Fatkina, Maxim Gonchar, Anastasia Kalitkina, Liudmila Kolupaeva, Dmitry Naumov et al. Published in: *EPJ Web Conf.* 214 (2019), 05024
3. «Simulation of long-baseline accelerator neutrino experiments with the global neutrino analysis package» Anastasiia Kalitkina (Lomonosov Moscow State U. and Dubna, JINR), Liudmila Kolupaeva (Dubna, JINR), Anna Fatkina (Dubna, JINR), Konstantin Treskov (Dubna, JINR), *AIP Conf.Proc.* 2163 (2019) 1, 030005
4. «Latest three-flavor neutrino oscillation results from NOvA» Liudmila Kolupaeva (Dubna, JINR) for the NOvA collaboration. Published in: *PoS EPS-HEP2019* (2020), 395
5. «Recent three-flavor neutrino oscillation results from the NOvA experiment» L. Kolupaeva for the NOvA collaboration. Published in: *J.Phys.Conf.Ser.* 1690 (2020) 1, 012172