

Статьи отдела ОТД, 2020 год

1. **G.D. Shabanov**. On relation between theoretical and experimental components in the papers on ball lightning (reply to M.L. Shmatov's comments [Usp. Fiz. Nauk 190 107 (2020)] on the paper "On the possibility of making natural ball lightning using a new pulse discharge type in the laboratory" [Phys. Usp. 62 92 (2019); Usp. Fiz. Nauk 189 95 (2019)]) Phys. Usp. 63 99–100 (2020); DOI: 10.3367/UFNe.2019.12.038705.
2. **V.A. Andreev**, T.A. Gvelesiani, T.I. Glushkova, M.R. Kolkhidashvili, **A.G. Krivshicha**, E.N. Leonova, **D.A. Maisuzenko**, V.A. Solovei, O.P. Fedorova, and **A.A. Fetisov**. Development of a Two-Dimensional Thermal-Neutron Detector with an Entrance Window of 600×600 mm. ISSN 0020-4412, Instruments and Experimental Techniques, , Vol. 63, No. 5, pp. 626–632. (2020). Russian Text published in Pribory i Tekhnika Eksperimenta, No. 5, pp. 16–22 (2020).
3. O.V. Miklukho, A.Yu. Kisselev, G.M. Amalsky, **V.A. Andreev**, S.G. Barsov, G.E. Gavrillov, A.A. Zhdanov, A.A. Izotov, D.S. Ilyin, N.G. Kozlenko, P.V. Kravchenko, **D.A. Maisuzenko**, V.I. Murzin, D.V. Novinskiy, and A.V. Shvedchikov. Study of Inelastic $A(p, p^1)X$ Reaction with ^9Be and ^{90}Zr Nuclei at 1 GeV. ISSN 1063-7788, Physics of Atomic Nuclei, Vol. 83, No. 3, pp. 431–441 (2020). Russian Text published in Yadernaya Fizika, Vol. 83, No. 3, pp. 224–234 (2020).
4. J.C. Bernauer, A. Schmidt, B.S. Henderson ... **A. Krivshich**, M. Koh ... A. Winnebeck and V. Yeganov. OLYMPUS: First measurement of the charge-averaged elastic lepton-proton scattering cross section. arXiv:2008.05349v1 [nucl-ex] 12 Aug 2020.
5. **A. KRIVSHICH, D. ILYIN, R. HALL-WILTON. STRATEGY OF EQUIPPING THE PIK REACTOR EXPERIMENTAL STATIONS WITH DETECTION SYSTEMS. IAEA-TECDOC-1935. Modern Neutron Detection. Proceedings of a Technical Meeting. INTERNATIONAL ATOMIC ENERGY AGENCY VIENNA, pp. 251–260 (2020).**

И семинар: **Г.Д. Шабанов**. Гатчинский разряд в Китае и в России - исследование продолжается.

(http://hepd.pnpi.spb.ru/hepd/events/abstract/2020/04_02_2020_Gatchina_discharge.pdf)

- от 04.02.2020.

