

**Список трудов Лаборатории малонуклонных систем, опубликованных в  
2020 году**

**1.-Study of Inelastic  $A(p, p')X$  Reaction with  ${}^9\text{Be}$  and  ${}^{90}\text{Zr}$  Nuclei at 1 GeV.**

O.V. Miklukho, A.Yu. Kisselev, G.M. Amalsky, V.A. Andreev, S.G. Barsov, G.E. Gavrilov, D.S. Ilyin, A.A. Izotov, N.G. Kozlenko, P.V. Kravchenko, D.A. Maysuzenko, V.I. Murzin, D.V. Novinskiy, A.V. Shvedchikov, and A.A. Zhdanov. *Physics of Atomic Nuclei*, 2020, Vol. 83, No. 3, pp. 431–441.

**2.-Роль гравитации в структуре элементарных частиц.**

С.И. Манаенков, *ЯДЕРНАЯ ФИЗИКА*, 2020, том 82, № 2, с. 203-211.

**3.- Feasibility studies for the measurement of time-like proton electromagnetic form factors from  $\text{anti}\{p\}p \rightarrow \mu^+ \mu^-$  at  $\{\text{anti P}\}\text{ANDA}$  at FAIR.**

G. Barucca, ..., D. Veretennikov, ..., S. Belostotski, G. Fedotov, G. Gavrilov, A. Izotov, S. Manaenkov, O. Miklukho, A. Zhdanov, et al. (PANDA collaboration). arXiv:2006.16363v2 [hep-ex] 1 Jul 2020 (to be published in EPJ).

**4.- The CLAS12 Forward Time-of-Flight system.**

D.S. Carman, L. Clark, R. De Vita, G. Fedotov, R.W. Gothe, G. Hollis, B. Miller, E. Phelps, Y. Tian, A. Trivedi, C. Wiggins. *Nuclear Inst. and Methods in Physics Research*, A 960 (2020) 163629.

**5.- Precision measurement of the neutral pion lifetime.**

I. Larin, ... , G. Fedotov, et.al., *Science*, Vol 368, Issue 6490, 01 May 2020.

**6.- OLYMPUS: First measurement of the charge-averaged elastic lepton-proton scattering cross section.** The OLYMPUS Collaboration (J.C. Bernaver, ..., S. Belostotski, ..., G. Gavrilov, ..., A. Izotov, ..., A. Kiselev, ..., A. Krivshich, ..., O. Miklukho, ..., Y. Naryshkin, ..., D. Veretennikov, et al.). arXiv:2008.05349v1 [nucl-ex] 12 Aug 2020.