

## **Публикации Лаборатории адронной физики**

1. M. Aaboud, ..., O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, A. Basalaev et.al., ATLAS Collaboration, “Search for new high-mass phenomena in the dilepton final state using  $36.1 \text{ fb}^{-1}$  of proton-proton collision data at  $\sqrt{s} = 13 \text{ TeV}$  with the ATLAS detector”, JHEP 1710 (2017) 182.
2. M. Aaboud, ..., O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, A. Basalaev et.al., ATLAS Collaboration, Search for an invisibly decaying Higgs boson or dark matter candidates produced in association with a Z boson in pp collisions at  $\sqrt{s}= 13 \text{ TeV}$  with the ATLAS detector, Phys. Lett. B,776 (2017), arXiv:1708.09624 [hep-ex] – 34 pp.
3. O. Fedin (St. Petersburg, INP), Measurement of polarization angular coefficients in Z boson leptonic decays with ATLAS at the LHC, Phys.Part.Nucl. 48 (2017) no.5, 760-762, Fiz.Elem.Chast.Atom.Yadra 48 (2017) no.5.
4. M. Aaboud, ..., O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, A. Basalaev et.al., ATLAS Collaboration, Evidence for the  $H \rightarrow b\bar{b}\bar{b}\bar{b}$  decay with ATLAS detector, J. High Energ. Phys. (2017)
5. M. Aaboud, ..., O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, A. Basalaev et.al., Measurement of inclusive and differential cross sections in the  $H \rightarrow ZZ^* \rightarrow 4\ell$  decay channel in  $pp$  collisions at  $s\sqrt{=13 \text{ TeV}}$  with the ATLAS detector, J. High Energ. Phys. (2017) 2017: 132.
6. M. Aaboud, ..., O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov,

- Y. Ryabov, V. Grachev, M. Levchenko, A. Basalaev et.al., Performance of the ATLAS Transition Radiation Tracker in Run 1 of the LHC: tracker properties, JINST 12 P05002 2017, ArXiv: 1702.06473 [hep-ex]
7. M. Aaboud, ..., O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, A. Basalaev et.al., Electron efficiency measurements with the ATLAS detector using 2012 LHC proton–proton collision data, Eur. Phys. J. C (2017) 77: 195.
8. M. Aaboud, ..., O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, A. Basalaev et.al., Search for new phenomena in different-flavour high-mass dilepton final states in  $pp$  collisions at  $s\sqrt{=13}$  Tev with the ATLAS detector, Eur. Phys. J. C (2016) 76: 541.
9. M. Aaboud, ..., O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, A. Basalaev et.al., Search for new resonances decaying to a  $W$  or  $Z$  boson and a Higgs boson in the  $\ell+\ell-bb^-$ ,  $\ell vbb^-$ , and  $v\nu^-bb^-$  channels with  $pp$ -collisions at  $s=13$  TeV with the ATLAS detector, Phys. Lett. B 765 (2017), 32-52