

## Основные публикации В.Ю.Батусова за последние 10 лет (2011-2021)

1. **Comparative analysis of earthquakes data recorded by the innovative Precision Laser Inclinometer instruments and the classic Hydrostatic Level System.** Azaryan, N et al. (2017). **Physics of Particles and Nuclei Letters. 14. 480-492.**
2. **THE ATLAS DETECTOR POSITIONING SYSTEM (ADEPO) TO CONTROL MOVING PARTS DURING ATLAS CLOSURE** J.-C. GAYDE, D. MERGELKUHL, M. RAYMOND, CERN, Geneva, Switzerland M. DÖNSZELMANN, Radboud University, Nijmegen, The Netherlands M. DAAKIR, Université Paris-Est, Champs-sur-Marne, France V. BATUSOV, JINR, Dubna, Russia. **Conference IWWA2016 proceeding.**
3. **The calibration of the Precision Laser Inclinometer**  
V. Batusov, J. Budagov, M. Lyablin, G. Shirkov (Dubna, JINR), J.-Ch. Gayde, D. Mergelkuhl (CERN). 2015. 5 pp.  
Published in **Phys.Part.Nucl.Lett. 12 (2015) no.7, 819-823**
4. **The sensitivity limitation by the recording ADC to Laser Fiducial Line and Precision Laser Inclinometer**  
V. Batusov, J. Budagov, M. Lyablin, G. Shirkov (Dubna, JINR), J.-Ch. Gayde, D. Mergelkuhl (CERN). 2015. 6 pp.  
Published in **Phys.Part.Nucl.Lett. 12 (2015) no.7, 813-818**
5. **The precision laser inclinometer long-term measurement in thermo-stabilized conditions (First Experimental Data)**  
N. Azaryan *et al.*. 2015. 4 pp.  
Published in **Phys.Part.Nucl.Lett. 12 (2015) no.4, 532-535**
6. **The Laser Fiducial Line measurement precision in open air media determined in comparison with laser tracker AT-401**  
V. Batusov, J. Budagov, M. Lyablin, J.-Ch Gayde, B. Di Girolamo, D. Mergelkuhl, M. Nessi (CERN). 2015. 8 pp.  
Published in **Phys.Part.Nucl.Lett. 12 (2015) no.2, 297-304**
7. **The laser reference line method and its comparison to a total station in an ATLAS like configuration**  
V. Batusov, J. Budagov, M. Lyablin, J.-Ch. Gayde, B. Girolamo, D. Mergelkuhl, M. Nessi (CERN). 2014. 10 pp.  
Published in **Phys.Part.Nucl.Lett. 11 (2014) no.3, 299-308**
8. **A laser sensor of a seismic slope of the Earth surface.** Batusov, V & Budagov, Julian & Lyablin, M. (2013). *Physics of Particles and Nuclei Letters.* 10.
9. **Mechanical construction and installation of the ATLAS tile calorimeter**  
ATLAS Tile Calorimeter Collaboration (J. Abdallah (Valencia U., IFIC) *et al.*). 2013. 27 pp.  
Published in **JINST 8 (2013) T11001**
10. **Development and application of the complex hardware/software system for controlled assembly of the ATLAS hadron tile calorimeter**  
V.Yu. Batusov, M.V. Lyablin, N.D. Topilin (Dubna, JINR). 2011. 22 pp.  
Published in **Phys.Part.Nucl. 42 (2011) 438-459**