



# Science&Progress 2020

## Section G

Wednesday 11 Nov, moderator Yu.M. Pismak  
11:15-13:00

11:15-11:30	Connection test
11:30-11:45	Aleksey Anikin Nonresonant corrections for hydrogen atom in modern highly precision atomic physics
11:45-12:00	Sergei Chekhovskoi Photon-spin-dependent contribution to the P,T-odd Faraday rotation effect for atoms
12:00-12:15	Margarita Chudova Binding energy, g-factor and QED effects in strong nuclear field
12:15-12:30	Viktoriia Knyazeva Investigation of differential transition probabilities in two-photon decay of 2s and 2p 1/2 states of one-electron ions
12:30-12:45	Elizaveta Oleinik Quantum Numbers of Four Narrow $\Omega_b$ -Baryons within the Quark-Diquark Model
12:45-13:00	Igor Savelyev Relativistic calculations of the ground state energy difference of $^{163}\text{Ho}$ and $^{163}\text{Dy}$

Thursday 12 Nov  
9:45-11:15

9:45-10:00	Connection test
10:00-10:15	Timur Seidov Local Duality Symmetry in Gauge Field Theories
10:15-10:30	Denis Sevostyanov Electron-positron pair production in strong fields: locally constant field approximation
10:30-10:45	Taisiia Zaitseva Free and unfolded surfaces in embedding theory.
10:45-11:00	Dmitrii Zinenko Correlation effects in highly charged ions: g factor and hyperfine structure
11:00-11:15	Vasiliy Kutuzov P,T-odd Faraday rotation in intracavity absorption spectroscopy with particle beam as a possible way to improve the sensitivity of the search for the time reflection noninvariant effects in nature