

Poster session 2 (Wednesday)

	First name	Last name	Paper title	Section
P.1.1	Asel	Adilova	Study of mutual phase locking of two gyrotrons coupled with delay	S1. Electronic sources of THz & MW radiation, synchrotron radiation, free-electron lasers
P.1.2	Alexander	Andronov	Proposed Gyrotrons and FELs frequency distributed multiplication	S1. Electronic sources of THz & MW radiation, synchrotron radiation, free-electron lasers
P.1.3	Artem	Badarin	Double-Beam Millimeter-Wave Band BWT And TWT On A Spirally Bent Rectangular Waveguide	S1. Electronic sources of THz & MW radiation, synchrotron radiation, free-electron lasers
P.1.4	Mikhail	Morozkin	Development of the prototype of high power sub-THz gyrotron for advanced fusion power plant (DEMO)	S1. Electronic sources of THz & MW radiation, synchrotron radiation, free-electron lasers
P.1.5	Roman	Rozental	Rogue-waves generation in the terahertz region	S1. Electronic sources of THz & MW radiation, synchrotron radiation, free-electron lasers
P.1.6	Roman	Rozental	Gyrotrons with shortened cavities as tunable sources of powerful subterahertz radiation for spectroscopic applications	S1. Electronic sources of THz & MW radiation, synchrotron radiation, free-electron lasers
P.1.7	Andrei	Savilov	High-harmonic gyrotrons with irregular microwave systems	S1. Electronic sources of THz & MW radiation, synchrotron radiation, free-electron lasers
P.1.8	Andrey	Zuev	The third harmonic medium power W-band gyrotron for various applications	S1. Electronic sources of THz & MW radiation, synchrotron radiation, free-electron lasers
P.1.9	Evgenee	Myasin	UNKNOWN PECULIARITY OF THE OROTRON TWO ROW PERIODIC STRUCTURE	S1. Electronic sources of THz & MW radiation, synchrotron radiation, free-electron lasers
P.1.10	Leonid	Revin	YBa ₂ Cu ₃ O _{7-δ} Josephson generators fabricated by preliminary topology masks	S1. Electronic sources of THz & MW radiation, synchrotron radiation, free-electron lasers
P.1.11	Michael	Vilkov	Generation of Ultrashort Microwave Pulses in Passive Mode-Locked Electron Oscillators with Homogeneous and Inhomogeneous Line Broadening	S1. Electronic sources of THz & MW radiation, synchrotron radiation, free-electron lasers
P.1.12	Roman	Rozental	Generation of Ultra-Short Microwave Pulses in a Tunable Gyrotron with Subsequent Compression	S1. Electronic sources of THz & MW radiation, synchrotron radiation, free-electron lasers
P.1.13	Andrey	Fokin	Frequency control in subterahertz gyrotrons	S1. Electronic sources of THz & MW radiation, synchrotron radiation, free-electron lasers
P.1.14	Alexey	Fedotov	Design of three-mirror open cavity for 250-GHz cyclotron autoresonance maser project	S1. Electronic sources of THz & MW radiation, synchrotron radiation, free-electron lasers
P.1.15	Alexey	Fedotov	Design of medium-power W-band traveling-wave tube and backward-wave oscillator with sheet electron beam	S1. Electronic sources of THz & MW radiation, synchrotron radiation, free-electron lasers
P.1.16	Igor	Davidyuk	Fast magnetic measurements of 8.6 m undulator	S1. Electronic sources of THz & MW radiation, synchrotron radiation, free-electron lasers
P.1.17	Vladislav	Zaslavsky	Powerful surface-wave oscillators with one-dimensional and two-dimensional periodic planar structures	S1. Electronic sources of THz & MW radiation, synchrotron radiation, free-electron lasers
P.1.18	Vladimir	Zapevalov	Various types of echelette resonators for gyrotrons	S1. Electronic sources of THz & MW radiation, synchrotron radiation, free-electron lasers
P.1.19	Lev	Yurovsky	Transformation of High-Power Gyrotron Output Radiation Frequency under Conditions of Raman Scattering on Auxiliary Electron Beam	S1. Electronic sources of THz & MW radiation, synchrotron radiation, free-electron lasers
P.2.1	Miron	Kagan	Electronic Tunneling and Electric Domains in GaAs/AlAs Superlattices at Room Temperature	S2. Optoelectronic & solid-state sources of THz radiation
P.2.2	Stanislav	Paprotsky	High Photoconductivity in Heavily Doped GaAs/AlAs Superlattices with Electric Domains	S2. Optoelectronic & solid-state sources of THz radiation
P.2.3	Maxim	Kulygin	Long-Pulsed Modulation Regimes of Subterahertz Nanosecond Waveguide Switches	S2. Optoelectronic & solid-state sources of THz radiation
P.2.4	Igor	Ilyakov	Continuously Tunable Spintronic Emission in the sub-THz Range	S2. Optoelectronic & solid-state sources of THz radiation
P.2.5	Andrey	Leontyev	Photoconductive antennas based on epitaxial films InGaAs on GaAs (111)A and (100) substrates with a metamorphic buffer.	S2. Optoelectronic & solid-state sources of THz radiation
P.2.6	Nikolai	Peskov	Theoretical and experimental studies of dielectric two-dimensional Bragg structures for development of spatially-extended heterolasers	S2. Optoelectronic & solid-state sources of THz radiation
P.2.7	Vladimir	Rumyantsev	Terahertz frequency multipliers employing lattice nonlinearity in semiconductors	S2. Optoelectronic & solid-state sources of THz radiation
P.3.1	Alexander	Frolov	The dipole mechanism of terahertz waves emission under laser action on clusters	S3. Generation of THz radiation by intense laser pulses

P.3.2	Bong Joo	Kang	Manipulation of Highly Nonlinear Organic Crystals for Efficient Optical-to-THz Conversion	S3. Generation of THz radiation by intense laser pulses
P.3.3	Evgeny	Moiseenko	Temperature variation in the process of terahertz wave generation by intense laser pulses	S3. Generation of THz radiation by intense laser pulses
P.3.4	Nikolai	Yudin	Generation of broadband terahertz radiation in ZnGeP2 by optical rectification	S3. Generation of THz radiation by intense laser pulses
P.3.5	Nikolai	Yudin	Generation of terahertz radiation on the difference frequency in ZnGeP2	S3. Generation of THz radiation by intense laser pulses
P.3.6	Alexander	Silaev	Quantum-mechanical simulations of low-frequency current excitation during ionization of many-electron atoms by intense laser pulses	S3. Generation of THz radiation by intense laser pulses
P.3.7	Irina	Osovitskaya	Interplay effects of carrier-envelope phase and plasmon resonances in terahertz generation by ionizing ultrashort optical pulses	S3. Generation of THz radiation by intense laser pulses
P.4.1	Alexander	Andronov	THz Quantum Cascade Laser cavities emission beams and losses	S4. Quantum cascade lasers
P.4.2	Petr	Solyankin	Reconfigurable terahertz optics based on etched structures in vanadium dioxide thin films	S4. Quantum cascade lasers
P.5.1	Anna	Gordeeva	Cold-electron bolometers as a photon-noise-limited detector with on-chip electron self-cooling	S5. Detection of THz & MW radiation. Metrology in THz frequency range
P.5.2	Valery	Koshelets	Spectral measurements of THz radiation emitted from intrinsic Josephson junction stacks	S5. Detection of THz & MW radiation. Metrology in THz frequency range
P.5.3	Maxim	Philippov	Future scientific experiment "SUN-TERAGERZ"	S5. Detection of THz & MW radiation. Metrology in THz frequency range
P.5.4	Ivan	Tretyakov	Technology for NbN HEB based multipixel matrix of THz range	S5. Detection of THz & MW radiation. Metrology in THz frequency range
P.5.5	Andrey	Trifonov	Geometry dependence of IF bandwidth performance of NbN HEB mixers integrated with GaN acoustic matching layer.	S5. Detection of THz & MW radiation. Metrology in THz frequency range
P.5.6	Grigory	Yakopov	Characterization of SubTHz planar antennas with SINIS bolometers for optical 6 meter reflector BTA	S5. Detection of THz & MW radiation. Metrology in THz frequency range
P.5.7	Vsevolod	Belosevich	Response of carbon nanotube film transistor to the THz radiation	S5. Detection of THz & MW radiation. Metrology in THz frequency range
P.5.8	Tatyana	Novikova	Temperature dependence of signal spectra generated via spontaneous parametric down-conversion in strongly frequency non-degenerate regime	S5. Detection of THz & MW radiation. Metrology in THz frequency range