

## Poster Session II

14 August, Tuesday  
7:30 – 9:30 pm.

Poster Number	Session	Corresponding Author	Title
P-II-1	Glasses and Disordered Systems	F. Bert	Tunneling States and Defects in Quasicrystals
P-II-2		H. Fukazawa	Inelastic Neutron Scattering of High-Density and Low-Density Amorphous Ice
P-II-3		A. Gladun	Grüneisen Parameter of D-doped Nb <sub>37</sub> Ti <sub>63</sub> at Temperatures Below 10 K
P-II-4		V. Hizhnyakov	Effect of Pressure on Soft Excitations in Glasses: Theory and Experiment
P-II-5		B.E. Hubbard	Infrared and Raman Study of Two-Level Systems in Fiber Optic Quality a-SiO <sub>2</sub> and a-SiO <sub>2</sub> : GeO <sub>2</sub>
P-II-6		M. Jäckel	Influence of High Pressure on the Specific Heat of Amorphous Polymers
P-II-7		R König	Influence of Sample Preparation on the Glass-Like Acoustic Properties of Pure Crystalline Tantalum
P-II-8		C. Laermans	Density of States of Interacting Quasilocal Harmonic Modes in Glasses
P-II-9		R.L. Lepsveridze	Low-Temperature Nuclear Spin-Lattice Relaxation in Amorphous Materials
P-II-10		J. C. Li	Hydrogen Defect Vibrations in Various Phase Deuterium Ices
P-II-11		V.N. Novikov	Picosecond Vibration Relaxation in Glasses
P-II-12		V.A. Osipov	Glass-Like Heat Conduction in Materials with Disclination-Induced Topological Disorder
P-II-13		T. Ozaki	Far-Infrared Absorption Due to Thermally Activated Relaxation in Vitreous Silica
P-II-14		M. A. Parshin	Boson Peak in Neutron-Irradiated Quartz Crystal
P-II-15		M. Saint-Paul	Elastic Properties of Disordered Solids Below 100K
P-II-16		G. Weiss	Non-Linearities and Magnetic Field Dependencies of the Dielectric Constant of BaO Al <sub>2</sub> O <sub>3</sub> SiO <sub>2</sub>
P-II-17		G. Weiss	Acoustic Measurements of Crystalline Aluminium and of an Aluminium Alloy (Al 5056)

P-II-18	NEMS/MEMS	A. D. Armour	Transport Via a Quantum Shuttle
P-II-19		M.P. Blencowe	Quantum Dynamics of a Cooper-Pair Box Coupled to a Micromechanical Resonator
P-II-20		D. M. Photiadis	Thermal Elastic Loss Observed in a High Q Mechanical Oscillator
P-II-21		Y. Zhang	Noise Analysis and Sensitivity of a Micromechanical Displacement Detector Based on the Radio-Frequency Single-Electron Transistor
P-II-22	Particle Detection	J.K. Wigmore	Scattering of THz Phonons
P-II-23	Nanostructures	A.M. Alcade	Acoustic and Optical Phonon Emission Rates in Spherical Quantum Dots: Magnetic Effects
P-II-24		A. L. Burin	Semiclassical Theory for Dissipative Tunneling Towards the Medium
P-II-25		S.M. Carr	Crossover Between Quantum and Thermal Regimes in Nanostructures
P-II-26		G.C. Ishiekwene	Polaron Effects in Quantum Dots
P-II-27		J. C. Lasjaunias	Low Temperature Specific Heat of Single-Wall Carbon Nanotubes
P-II-28		M. Tkach	Phonons Influence on the Electron Spectrum in Superlattice Consisting of Quantum Dots
P-II-29		T. Toyoda	Influence of Anodization Period on the Photoacoustic Spectra of Porous Silicon
P-II-30		T. Toyoda	Photoacoustic and Photoluminescence Spectra of Manganese Doped Nanocrystals of ZnS With and Without Modification by Carboxylic Acids
P-II-31		T. Toyoda	Effect of Size Confinement of CdSe Nanocrystals in a GeO <sub>2</sub> Glass Matrix Characterized by Photoacoustic Spectroscopy
P-II-32	Fluids	S. Hosokawa	Studies of Collective dynamics in Liquid Ge Over a Wide Temperature Range Using Inelastic X-Ray Scattering Technique
P-II-33		J. Li	Neutron Spectroscopy Investigation of Water and Water in Biomaterials
P-II-34		G. Matsui	Non-Gaussianity of Translational and Rotational Degrees of Freedom in Supercooled Liquid
P-II-35		Y. Okuda	Melting by Sound in Solid <sup>4</sup> He
P-II-36	Raman Scattering	P. Kosoboutski	Phonon Reflection Light by Crystals
P-II-37		H. Kuroe	Low-Frequency Excitations in the Charge-Ordered Phase of (Nd <sub>0.5</sub> Sr <sub>0.5</sub> )MnO <sub>3</sub>
P-II-38		I. Tehver	Mode Mixing Via Resonance Raman Excitation Profiles

P-II-39	Phase Transitions	M. Heitz	Phase Separation in Binary Rare Gas Mixtures
P-II-40		S.G. Nedilko	Displaying of Local Structural Phase Transitions in Raman Spectra of Alkali Sulphates
P-II-41		T. Yagi	Brillouin and Raman Scattering Studies of the Isotopically Induced Ferroelectric Phase Transition of $\text{SrTi}^{18}\text{O}_3$
P-II-42		P. Schilbe	Raman Scattering in $\text{VO}_2$
P-II-43		T. Shigenari	Debye-Waller Factor Due to the Phase Fluctuation in the Incommensurate Phase: Strange Behavior in $\text{SiO}_2$
P-II-44		E. A. Yanvarev	Dynamical Acoustic Effects in Quantum Droplet Model of Ising Spin Glass in a Transverse Field
P-II-45		P. Zielinski	Anharmonic Effects of Constant Measuring Field in Determination of Susceptibility Near Phase Transitions
P-II-46	Isotope Effects	A. Bussmann-Holder	Isotope Effects on the Ferroelectric Phase Transition Temperature
P-II-47		I.G. Kuleyev	The Normal Phonon Scattering Processes and the Thermal Conductivity of Germanium Crystals with the Various Isotopic Compositions
P-II-48		V. G. Plekhanov	Isotope and disorder Effects in Lattice Dynamics of $\text{LiH}_x\text{D}_{1-x}$ Mixed Crystals
P-II-49	Surfaces and Interfaces	E. S. Syrkin	Phonon Transport in Inhomogeneous Systems with Planar Defect
P-II-50		E.S. Syrkin	Density of States of Surface and Volume Excitations and Local Oscillations in the Quasi-Low-Dimensional Systems
P-II-51		S. Tamura	Electron Contribution to the Attenuation of Surface Phonons in Metallic Superlattices

P-II-52	Lattice Dynamics	A.I. Barabash	The Investigation of Peculiarities of Structure, Lattice Dynamics and Phase Transitions in Hydrogen-Bonded Crystals by NQR Methods Under Hydrostatic Pressure
P-II-53		L.A. Brussaard	Phason Mode in n-Alkane/Urea Composites
P-II-54		J.S. Kim	Analytic Solution for Finite Linear Chain with Two General Impurities under General Boundary Condition
P-II-55		I.N. Kudryavtsev	Lattice Dynamics and Heat Capacity of Solid Nitrogen
P-II-56		I.N. Kudryavtsev	Low-Dimensional Effects and Lattice Dynamics in Anisotropic Cuprate HTS
P-II-57		I.N. Kudryavtsev	Some Peculiarities of Niobium Lattice Dynamics in Superconducting Transition Region
P-II-58		S.G. Lushnikov	Central Peak in the Vibrational Spectrum of the Relaxor Ferroelectric
P-II-59		T. Paszkiewicz	Determination of the Symmetry Classes of Elastic Crystalline Bodies
P-II-60		T. Paszkiewicz	Unified Description of Elastic and Acoustic Properties of Cubic Media: Elastic Instabilities, Phase Transitions and Soft Modes
P-II-61		S. E. Popov	The Lattice Dynamics of Pure $\text{LaMnO}_3$
P-II-62		A. Sabry	Phonon dispersion Curves of SrFCl
P-II-63		M.M. Sinha	Interionic Forces and Phonons in Superionic Conductor $\text{CsPbCl}_3$
P-II-64		G. P. Srivastava	Lattice Dynamics of the Zinc-Blende and Wurtzite Phases of Nitrides
P-II-65		U. Straube	Elastic, Dielectric and Piezoelectric Coefficients of Languisite-Type Crystals
P-II-66		K. Wakamura	Observation of Low Energy Optical Phonon in the $\beta$ -Phase of CuI
P-II-67	Phonon Engineering	M. Msall	New Angles of Phonon Refraction
P-II-68		H.C. Lee	Dependence of Electron-Optical Phonon Interaction on the Al Composition in $\text{GaAs}/\text{Al}_x\text{Ga}_{1-x}\text{As}$