

**Poster session PO2,
THURSDAY, July 16, 16:15 – 18:00, Small Hall**

P-56	Optical frequency measurement of Rb 5S-5P transition with a frequency comb	Janis Alnis
P-57	Investigation of Hg resonance 184.9 nm line in a capillary low-pressure discharge	Janis Alnis
P-58	Magneto-optical switch based on high-contrast electromagnetically induced absorption resonance	Christina Andreeva
P-59	High resolution spectroscopy of Cs atomic layers of nanometric and micrometric thickness	Christina Andreeva
P-60	Identifications of EUV transitions in promethium-like Pt, Ir, Os, and Re	Hendrik Bekker
P-61	Identifications of optical transitions in Ir ¹⁷⁺ for investigations of variations of fundamental constants	Hendrik Bekker
P-62	The (2) ¹ Π state in KCs: Fourier-transform spectroscopy and potential construction	Inese Birzniece
P-63	Towards atomic anion laser cooling	Giovanni Cerchiari
P-64	The effect of the isomeric state ^{229m} Th on the observed hyperfine structure pattern	Jerzy Dembczyński
P-65	Depletion spectroscopy and internal-state thermometry of buffer-gas-cooled polar molecules	Thomas Gantner
P-66	The Rayleigh and Raman scattering of light on metastable levels of diatomics: An advanced method and new data	Aleksander Glushkov
P-67	Absolute absorption and dispersion in dense alkali-metal thermal vapours	Ifan Hughes
P-68	Strontium optical lattice clocks	Lodewck Jérôme
P-69	Study of (3) ¹ Π and (5) ¹ Σ ⁺ states of RbCs based on (3) ¹ Π → (A - b) and (5) ¹ Σ ⁺ → (A - b) Fourier transform spectra analysis	Artis Kruzins
P-70	Fourier transform spectroscopy and deperturbation analysis of the spin-orbit coupled A ¹ Σ ⁺ and b ³ Π states in RbCs	Artis Kruzins
P-71	Alkali atoms in a strong transverse magnetic field: “guiding” transitions foretell behavior of all transitions of D ₁ line	Aram Papoyan
P-72	Selective reflection from dense Rb ₂ molecular vapor	Aram Papoyan
P-73	Precision isotope shift measurements of calcium ions using photon recoil spectroscopy	Chunyan Shi
P-74	Energies and radiative properties of the A ¹ Σ ⁺ - b ³ Π complex in KRb: towards optimal ground-state transfer ultracold molecules	Andrey Stolyarov
P-75	Direct deperturbation analysis of the A ¹ Σ ⁺ ~ b ³ Π complex in LiCs based on polarization labelling spectroscopy and <i>ab initio</i> calculation	Andrey Stolyarov
P-76	High resolution study and deperturbation analysis of the A ¹ Σ ⁺ - b ³ Π complex in KRb	Maris Tamanis
P-77	Progress in the classification of spectral lines of Praseodymium	Rizwan Ur Rehman
P-78	Optical lattice atomic clocks as a reference for spectroscopy	Michal Zawada
P-79	In-house XAS measurements using a von Hamos curved crystal spectrometer and an X-ray tube	Faisal Zeeshan
P-80	Single-electron manipulation with resonant impurity states in silicon nanoelectronic circuits	Jevgenijs Klocans
P-81	The photodetachment cross section of H ⁻ : an animated-crossed-beam measurement	Matthieu Genevriez
P-82	Interference effects in one-photon and two-photon ionization by femtosecond VUV pulses due to an intermediate state	Alexei Grum-Grzhimailo
P-83	Photodissociation of oxygen molecules upon the absorption in Shumann-Runge bands in various environments: modeling study	kaspars miculis

P-84	Complete measurements of anisotropic x-ray emission following recombination of highly charged ions	Chintan Shah
P-85	Nonlinear optics and dynamics of atoms, molecules in an electromagnetic field and laser systems with elements of a chaos	Vasily Buyadzhi
P-86	Transient switching of the Kerr nonlinearity and effect of Doppler broadening in a five-level Quantum system	Hamid Reza Hamedi
P-87	Atom chip based guided atom interferometer for rotation sensing	Carlos L. Garrido Alzar
P-88	BEC of photons in a dye-filled microcavity: inhomogeneities, coherence and interactions	Jakov Marelic
P-89	Investigation of the H- (D-) loss from toluene's isotopologues in the fs timescale	Constantine Kosmidis
P-90	Next-Generation Ion-Atom Hybrid Traps with Increased Control over Collision Energies	Pascal Eberle
P-91	Imaging the magnetic field distributions of chains of magnetic particles using nitrogen-vacancy centres in diamonds	Florian Gahbauer
P-92	Hyperfine Structure, Lifetimes and Oscillator Strengths of V II	Bouazza Safa
P-93	Development of a Transportable Atom Gravimeter in HUST	Yaoyao Xu
P-94	Large-momentum-transfer Bragg interferometer with Strontium atoms	Xian Zhang
P-95	X-ray spectroscopy as a tool to enlighten the growth of Van der Waals nanoparticles in a supersonic jet	Dominique Vernhet
P-96	Vanadium Fine-Structure K-shell Electron Impact Ionization Cross Sections for Fast-Electron Diagnostic in Laser-Solid Experiments	Patrick Palmeri
P-97	Semi-empirical studies of atomic transition probabilities, oscillator strengths and radiative lifetimes in Hf II	Patrick Palmeri