

Poster session PO1
TUESDAY, July 14, 15:45 – 17:30, Small Hall

P-1	Realization of radio-frequency assisted Förster resonances in an ensemble of a few cold Rb Rydberg atoms	Christina Andreeva
P-2	Optical flux lattice using multi-frequency radiation	Tomas Andrijauskas
P-3	Dual-species BEC source: First step towards matter neutrality test with atom interferometry	Decamps Boris
P-4	Hybrid dynamics of an optical field and a Bose-Einstein condensation	Guangjiong Dong
P-5	Borromean three-body FRET in frozen Rydberg gases	Riccardo Faoro
P-6	Interferometric laser cooling of atomic rubidium	Tim Freegarde
P-7	Progress towards the realization of a quantum degenerate dipolar gas of dysprosium atoms	Carlo Gabbanini
P-8	Coherent light scattering from a disordered ensemble of cold atoms	Alexey Kuraptsev
P-9	Proposal for laser-cooling of rare-earth ions	Maxence Lepers
P-10	Towards a BEC in a time-averaged adiabatic potential ring waveguide	Hector Mas Peris
P-11	Dense and cold atomic beam delivered by a 2DMOT repumped and channelled by a Laguerre-Gaussian laser beam	laurence pruvost
P-12	Spinor quantum gases with narrow-line control	Martin Robert-de-Saint-Vincent
P-13	Rotational State Cooling of Trapped Polyatomic Molecules	Martin Zeppenfeld
P-14	Description of the evolution of Rydberg systems and interaction of light with multi-level atoms using Floquet technique	Dmitry Efimov
P-15	Generation of Schrödinger cat states in a NMR quadrupolar system	Ruben Auccaise
P-16	Pair creation and annihilation with atoms and channeling nuclei	Nikolay Belov
P-17	Analysis of the spatial dependence of laser-induced fluorescence for alkali metal vapours in an intense laser beam	Andris Berzins
P-18	Designed of a pulsed negative ions source	Jānis Blahins
P-19	Nonlinear Magneto-Optical Rotation in Rubidium Vapor Excited to $6^2P_{1/2}$ State	Laima Buđaitė
P-20	Laser-gamma-nuclear spectroscopy of multichargedions: “Shake-up” and co-operative excitation effects, New data	Vasily Buyadzhi
P-21	Electron Spectroscopy of four-photon-ionized strontium in the 715-737 nm wavelength range	Samuel Cohen
P-22	Two-photon Stark Spectroscopy and Photoionization Microscopy on the Mg atom	Samuel Cohen
P-23	Test of the universality of free fall with atoms in different spin Orientations	Xiaobing Deng
P-24	High precision spectroscopy of single $^{138}\text{Ba}^+$ ions	Elwin Dijck
P-25	High-resolution x-ray spectroscopy to probe quantum dynamics in collisions of $\text{Ar}^{17+,18+}$ ions with atoms and solids	Dominique Vernhet
P-26	Imaging magnetic fields by fluorescence-detected magnetic resonance in polarized atoms	Ilja Fescenko
P-27	Relativistic two-photon decay rates of hydrogenic atoms with the Lagrange-mesh method	Livio Filippin
P-28	Isotope shift parameters in Al I for the $3p - 4s$ and $3p - 3d$ lines	Livio Filippin
P-29	Atomic and Nuclear quantum optics: Multiphoton and autoionization resonances in a strong DC electric and laser field	Aleksander Glushkov
P-30	Search for the Permanent Electric Dipole Moment of Xenon	Olivier Grasdjik

P-31	Quadratic-linear <i>B</i> -spline grid for studying Ps-atom interactions in cavities	Gleb Gribakin
P-32	An accurate free spin precession cesium magnetometer	Zoran Grujic
P-33	Double ionization of the hydrogen sulfide molecule by electron impact: influence of the target orientation on the fivefold differential cross sections	noura Imadouchene
P-34	Spectroscopic measurements of free particles by matter-wave interferometry	Fiedler Johannes
P-35	Fast transport and accumulation of cold ion clouds in a multi-zone RF-trap	Marius Romuald Kamsap
P-36	Precision calculation of the spectra of Mg-like ions	Elena Konovalova
P-37	Radiative Lifetimes and Transition Probabilities in Rh I	Engström Lars
P-38	Lifetimes and Transition Probabilities for High-Lying Levels in Astrophysically Interesting Atoms Using Multi-Photon Excitation	Engström Lars
P-39	EIT resonance inverted in magnetic field by influence of the alignment effect	Claude Leroy
P-40	Study of atomic transitions of ³⁹ K isotope on D ₁ line in strong magnetic fields	Claude Leroy
P-41	Study of Atomic Transitions of Rb D ₂ line in Strong Transverse Magnetic Fields by an Optical Half-Wavelength Cell	Claude Leroy
P-42	The Radioactive Francium Magneto - Optical Trap in Legnaro: search for new lines in an isotopic series	Emilio Mariotti
P-43	Double impulse effects during a collision of ions and diatomic molecules	Nakamura Masato
P-44	A compact 0.74,T room temperature EBIT	Peter Micke
P-45	H ₂ O double ionization induced by electron impact	Dahbia Oubaziz
P-46	Theoretical study of hyperfine structure of ground state in neutral Carbon	Pavel Rynkun
P-47	Stark splitting effects for Er ³⁺ in Er ₂ O ₃	Pavel Rynkun
P-48	Towards a High Sensitivity Atom Accelerometer for Exploring Physics Beyond the Standard Model	Dylan Sabulsky
P-49	Reanalysis and semi-empirical predictions of the hyperfine structure of ¹²³ Sb I	Bouazza Safa
P-50	Calculation of Lamb shift for states with $j = 1/2$	Daniel Simsa
P-51	Measurement of muonium hyperfine splitting at J-PARC	Kazuo Tanaka
P-52	Sensitivity of tunneling-rotational transitions in ethylene glycol to the variation of electron-to-proton mass ratio	Anna Viatkina
P-53	Nuclear polarizability effects in muonic deuterium	Albert Wienczek
P-54	Spin Polarisation Exchange Scattering from Nickel and Iron	Samir Yousif Al-Mulla
P-55	Deceleration, cooling and trapping of heavy diatomic molecules	Artem Zapara