

**25<sup>th</sup> International Conference on Spectral Line Shapes**  
**19-24 June 2022**

Poster #	Presenting Author	Poster Session	Title
P1	Zorina N.	Tuesday, June 21, 16:10-17:30	Study of Arsenic spectra of HFEDLs for usage in Zeeman absorption spectroscopy.
P2	Horchani R.	Tuesday, June 21, 16:10-17:30	Few-body physics with ultracold potassium rubidium mixtures.
P3	Stamm R.	Tuesday, June 21, 16:10-17:30	Nonthermal effects on hydrogen Stark profiles .
P4	Hannachi I.	Tuesday, June 21, 16:10-17:30	Addressing the effect of oscillating electric fields on Stark profiles by computer simulations.
P5	Parigger C.G.	Tuesday, June 21, 16:10-17:30	Cyanide Molecular Line Shapes in Laser-Induced Plasma.
P6	Demura A.V.	Tuesday, June 21, 16:10-17:30	Atomic kinetics in plasmas in terms of density matrix and properties of electron collisional operator.
P7	Laliotis A.	Tuesday, June 21, 16:10-17:30	Measuring the Casimir-Polder interaction of Rydberg atoms by vapour cell spectroscopy.
P8	Dupré P.	Tuesday, June 21, 16:10-17:30	Sub-Doppler Spectroscopy of C <sub>2</sub> H <sub>2</sub> .
P9	Arjmand S.	Tuesday, June 21, 16:10-17:30	Electron Density and Temperature Measurements in a Hydrogen-filled Plasma-discharge Capillary.
P10	Hakalla R.	Tuesday, June 21, 16:10-17:30	Anomalous line-shape broadening of the 5780, 5797, 6196 and 6614 DIBs.
P11	Szajna W.	Tuesday, June 21, 16:10-17:30	The 0-v'' progression bands of the B <sup>2</sup> Σ <sup>+</sup> - X <sup>2</sup> Σ <sup>+</sup> system of <sup>12</sup> C <sup>17</sup> O <sup>+</sup> .
P12	Szajna W.	Tuesday, June 21, 16:10-17:30	FT-VIS emission spectroscopy of the A <sup>1</sup> Π - X <sup>1</sup> Σ <sup>+</sup> system of AlD: the A <sup>1</sup> Π(v=2) level investigation.
P13	Ryzner R.	Tuesday, June 21, 16:10-17:30	Extended deperturbation analysis of the A <sup>1</sup> Π(v=2) level in the <sup>13</sup> C <sup>18</sup> O isotopologue.
P14	Hakalla R.	Tuesday, June 21, 16:10-17:30	Fourier-transform spectroscopy of the <sup>12</sup> C <sup>18</sup> O isotopologue and deperturbation analysis of the A <sup>1</sup> Π(v=3) level.

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P15	Zifarelli A.	Thursday, June 23, 16:10-17:30	Quartz tuning forks employed as photodetectors in TDLAS sensors.
P16	Thibault F.	Thursday, June 23, 16:10-17:30	Accurate tests of QED with precision spectroscopy of molecular deuterium.
P17	Oishi T.	Thursday, June 23, 16:10-17:30	Electron Temperature Dependence of EUV and VUV Spectral Shapes of Tungsten Unresolved Transition Arrays Observed in the Large Helical Device.
P18	Linek A.	Thursday, June 23, 16:10-17:30	Distortion of the mercury $^1S_0 \rightarrow ^3P_0$ transition clock line in two-species atomic clock.
P19	Fasci E.	Thursday, June 23, 16:10-17:30	Comb-assisted cavity ring-down spectroscopy for ultra-sensitive traceable measurements of water vapour in ultra-high purity gases.
P20	Siciliani de Cumis M.	Thursday, June 23, 16:10-17:30	Linewidth measures of Interband-Cascade Lasers.
P21	Astapenko V.	Thursday, June 23, 16:10-17:30	Pulsed excitation of a quantum system: dependence on the carrier frequency, duration and pulse envelope.
P22	Moretti L.	Thursday, June 23, 16:10-17:30	A multipass optical cavity for spin-flip spectroscopy of muonic hydrogen.
P23	Slowinski M.	Thursday, June 23, 16:10-17:30	$\beta$ -corrected hard-collision model in spectral line shape analysis.
P24	Gonzalez-Fernandez V.	Thursday, June 23, 16:10-17:30	Comparison of electric field fall strengths in a hollow cathode discharge in hydrogen and deuterium.
P25	Gancewski M.	Thursday, June 23, 16:10-17:30	First-principles calculations of pressure broadening for the case of N <sub>2</sub> -perturbed 118 GHz fine-structure line in O <sub>2</sub> (X <sup>3</sup> Σ <sub>g</sub> <sup>-</sup> ).
P26	Stolarczyk N.	Thursday, June 23, 16:10-17:30	The <i>ab initio</i> dataset of H <sub>2</sub> -He line-shape parameters for the HITRAN database with the DPL temperature dependences.
P27	Giustolisi L.	Thursday, June 23, 16:10-17:30	Polarised line shape calculations in Magnetic Stellar Atmosphere conditions.
P28	Delli Santi M. G.	Thursday, June 23, 16:10-17:30	Ultra-sensitive detection of radiocarbon with laser spectroscopy: Age determination, certification of bio-based materials and environmental monitoring.
P29	Gravina S.	Thursday, June 23, 16:10-17:30	Lifetime determination of the mercury (6s6p) <sup>3</sup> P <sub>1</sub> state by means of comb-assisted laser absorption spectroscopy.