

Poster Session Monday 30 March 2026

- Lennard Marek Arndt **Tailored targets for precision spectroscopy with multiply charged actinide molecules.**
- Roi Ben Zion **Investigation of Chiral-Induced Spin Selectivity (CISS) in Rubidium-Chiral Molecules interfaces**
- Luke Caldwell **Towards YbCaF molecules for probing nuclear CP violation**
- Rohan Chakravarthy **Effect of a Large Nuclear Moment in ^{173}Yb**
- Lei Cong **Spin-dependent exotic interactions**
- Cathy Darling **Towards the association of triatomic YbCaF**
- Simon Diewald **Production of molecular actinide ions for precision spectroscopy**
- Eduardus Eduardus **Enhanced Vibrational Parity Violation Effects in Chiral Carbon Tetrahedral Cations**
- Tatsam Garg **Precision metrology with molecules in an optical lattice**
- Namrata Gohain **Sum rules in chiral systems**
- August Gude **An entanglement protocol to measure atomic parity violation at sub 0.1% precision**
- Raphael Hahn **Experimental prospects for the spectroscopic measurement of parity violation in chiral molecules**
- Timur Isaev **Prospects of laser-coolable polyatomic molecular ions**
- Karol Koziol **Estimating the QED corrections to energy levels and NMR shielding constant of atoms and diatomic molecules**
- Monika Leibscher **Sympathetic rotational cooling of trapped molecular ions**

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- Zheng Li **Detection of the Parity Violation Energy Difference in Molecules Based on Alternating-Pulse Quantum Sensing**
- Mathieu Manceau **High-resolution mid-infrared molecular spectroscopy for PV measurements**
- Marjan Mirahmadi **Locally Chiral Molecular Rotations Induced by Electronic Transitions**
- Klaus Muller Dethlefs **A Periodic Many-body Quantum Matter Produced in an Ultra-cold Quantum Degenerate Plasma: Direct Observation of Fractional Elementary Charges**
- Lukas Pasteka **Selected molecular candidates for parity violation measurements investigated by electronic structure calculations**
- Eifion Prinsen **Ab Initio Calculations of the Polarizability of BaOH: Towards a Competitive eEDM Measurement**
- Cedric Quint **Stringent Constraints on New Pseudoscalar & Vector Bosons from Precision Hyperfine Splitting Measurements**
- Yair Rajmiel **Generation of cold CHDBr⁺ by VUV ionization for precision measurement of PV in molecules**
- Mohamed Sabba **The Veritable Rh(acac)³ and its Chiral Shifts: Rhodium-103 NMR as a Probe of Molecular Parity Violation?**
- Yuval Shagam **An ion trap with velocity map imaging for PV search in chiral molecular ions**
- Chiara Schleif **Investigating small molecular ions using high resolution action spectroscopy methods**
- Wenhao Sun **Exploring Molecular Chirality Using Microwave Spectroscopy**
- Ankush Thakur **P and T-odd interaction constants of YbX (X : Cu, Ag and Au) molecules using KRCI method**

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Imre Toth	High resolution thallium-205 NMR in coordination chemistry
Andrzej Tyc	Ultracold high-spin Σ -state polar molecules for new physics searches – YbCr vs RaCr
Sophia Vadachkoria	Electronic Spectroscopy of YbNH ₂
Wietze van Boven	Fock-Space Coupled cluster on parity-violating frequency difference of WHNCIF+ vibrations
Erik Van Dyke	Detecting molecular parity violation with nuclear magnetic resonance
Rishi Varan	Photoelectron Velocity Map Imaging Spectroscopy of MF ⁻ (M = Ba, Yb)
Nick Vogeley	A Cold Beam Source for Precision Experiments with Chiral Molecules
Nevo Werner Reiss	Novel ESST methods for PV measurements in Chiral Molecules
Andrey Yachmenev	Magnetic effects and enantiomer-selectivity in isotopically chiral molecules
Shilpa Yadav	Towards full controllability of enantiomer-specific state transfer despite orientational degeneracy
Chen Zhang	A theoretical feasibility study on amplifying molecular parity-violation signals using coherent pulse sequences
Nick Zobel	Production of Radioactive Molecular Ions via Electron Impact Ionization
Clara Zyskind	Testing Fundamental Physics with Trapped Ions