

## Thomas Udem, Publications

164. **Quantum Electrodynamics and the Proton Size**  
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163. **Offset-free optical Frequency Comb self-referencing with an  $f - 2f$  Interferometer**  
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161. **Multi-Pass-Cell-based nonlinear Pulse Compression to 115 fs at 7.5  $\mu$ J pulse Energy and 300 W Average Power**  
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156. **Active Fiber-Based Retroreflector providing phase-retracing anti-parallel Laser Beams for precision Spectroscopy**  
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153. **Absolute frequency and isotope shift of the magnesium  $(3s^2) ^1S_0 \rightarrow (3s3d) ^1D_2$  two-photon transition by direct frequency comb spectroscopy**  
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152. **Precision Spectroscopy of 2SnP Transitions in atomic Hydrogen for a new Determination of the Rydberg Constant and the Proton Charge Radius**  
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