Wei WU

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Education

1. Doctoral Candidate, University of Freiburg, Freiburg, Since 2021
2. M.Sci. in Optics, QOQOD & Shanxi University, Taiyuan, 2018 - 2021
3. B.Sci. in Physics, Shanxi University, Taiyuan, 2014 - 2018

Experience

1. Visiting Scholar, P. Schmidt group at PTB, Braunschweig, May 2023.
2. Teaching Assistant, University of Freiburg, Freiburg, Since Augest 2021.
3. Visiting Scholar, M. Feng group at WIPM, Wuhan, March 2021 May 2021.
4. Intern, Sina Corporation, China, March 2016 - May 2016.
5. Editor (Part-time), Chinese Laser Press, Shanghai, Since November 2019.
6. Collaborator, A. Browaeys group at IOGS, Palaiseau, May 2019 - August 2019.
7. SRTP, T. Zhang group at QOQOD, Taiyuan, September 2015 - June 2018.

Selected Awards

1. Outstanding Paper Award of Acta Optica Sinica, 2019
2. Recommended Postgraduate Scholarship (Full Postgraduate Scholarship), 2018
3. Third Prize of National Undergraduate Physics Experiment Tournament, 2017
4. Third Prize of China Undergraduate Physics Tournament (CUPT), 2016
5. Successful Prize of Mathematical Contest in Modeling (MCM), 2016
6. First Prize of Shanxi Undergraduate Physics Tournament, 2016
7. Second Prize of Mathematical Contest in Modeling of Shanxi Province, 2016
8. First Prize of Undergraduate Physics Tournament of Shanxi University, 2015
9. Excellent Freshman Scholarship (Full Undergraduate Scholarship), 2014

Funding

1. Marie Skodowska-Curie Early Stage Researcher Fellowship (QUSTEC/2E-ESR), 2021
2. Excellent Physics Students Training Program of Shanxi University, 2017 - 2019

Membership

1. Membership of Deutsche Physikalische Gesellschaft (DPG), 2021
2. Membership of Marie Curie Alumni, 2021
3. Fellowship of MSCA-QUSTEC Programme, 2021

4. Student Membership of Chinese Optical Society, 2019
5. Membership of American Physical Society (APS), 2016

Publications

1. Tiancai Zhang, **Wei Wu**, Pengfei Yang, etc., High-Finesse Micro-Optical Fabry-Prot Cavity and its Applications in Strongly Coupled Cavity QED. *Acta Optica Sinica* 41, 0127001 (2021).
2. Shaokang Li, Gang Li,**Wei Wu**, etc., High-numerical-aperture and long-working-distance objectives for single-atom experiments. *Review of Scientific Instruments* 91.043104 (2020).
3. Gang Li, Yali Tian, **Wei Wu**, etc., Triply magic conditions for microwave transitions of optically trapped alkali-metal atoms. *Physical Review Letters* 123, 253602 (2019).
4. Yali Tian, Pengfei Yang, **Wei Wu**, etc., Precision measurement of cesium 6S7S two-photon spectra with single trapped atoms. *Japanese Journal of Applied Physics* 58, 042002 (2019).
5. Jinkai Cao, Pengfei Yang, Yali Tian, **Wei Wu**, etc., Measurement of High-Order Coherence of Light Field Based on Intensified Charge-Coupled Device. *Acta Optica Sinica* 39, 7 (2019). (Cover Letter).

Coferences

1. Producing large and stable magnetic fields for Feshbach resonance experiments in a Li - Ba+ hybrid system, *DPG Spring Meeting 2023*, Hannover (2023). (Post Report)
2. Feshbach resonances in a hybrid atom-ion system, *YAO Conference 2022*, Stuttgart (2022). (Post Report)
3. Optically trapping single ions in a highly focused laser beam Ions in Optical Trap for Atom-Ion Interaction, *DPG Spring Meeting 2022*, Online (2022). (Post Report)
4. Feshbach resonances in a hybrid atom-ion system, *QUSTEC Summer School 2022*, Freiburg (2022). (Post Report)
5. Feshbach resonances in a hybrid atom-ion system, *Virtual DPG Spring Meeting SAMOP 2021*, Freiburg (2021). (Post Report)
6. Extending the coherence time of optically trapped single cesium atoms by triply magic conditions, *The 2nd Youth Forum on Optical Quantum Information*, Taiyuan (2019). (Post Report)
7. Measurement of complete and continuous Wigner functions for discrete systems using a single atom. *The 18th National Conference on Quantum Optics*, Zhangjiajie (2018). (Oral Talk)