

Jing Zhang

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EDUCATION

Lanzhou University Lanzhou, China
M.S. in Particle Physics and Nuclear Physics Spet. 2017 - Expected Jun. 2020
B.S. in Applied Physics Spet. 2013 - Jun. 2017
Relevant courses: Advanced Mathematics, Linear Algebra, Probability Theory and Mathematical Statics, Thermodynamics and Statistical Physics, Computational Physics | GPA: 4.36 / 5

RESEARCH EXPERIENCE

α decay of superheavy nuclei in a generalized macro-microscopic (GMM) model 2016 - 2018
Supervised by Prof. Hongfei Zhang

- Explored the shell effects in α decay process in a macro-microscopic approach
- Modeled with MATLAB and Fortran

Wavelength scaling of high-order harmonic yield from a hydrogen molecular ion 2015 - 2016
Supervised by Assoc. Prof. Hongchuan Du

- Modeled interaction between the ion and few-cycle laser pulses
- Solved the one-dimensional time-dependent Schrödinger equation with Fortran

PUBLICATION

Effects of shell correction on α decay properties

J. Zhang, DG. E, HF. Zhang, *Chin. Phys. C* **42** 094101 (2018). doi:10.1088/1674-1137/42/9/094101

TEACHING EXPERIENCE

Teaching assistant of College Physics Fall 2018

- Checked students' homeworks, communicated with students

ACADEMIC AWARDS

National Scholarship (3/134) 2019
Second-Class Academic Scholarship for Graduate Students 2018
Outstanding Project in National Undergraduate Innovation & Entrepreneurship Training Program
(1 in each department) 2017
First-Class Academic Scholarship for Graduate Students 2017
First-Class Scholarship for Outstanding Students (5%) 2016
Third-Class Scholarship for Outstanding Students (25%) 2014, 2015

SKILLS

Version Control: git

Graphing: Matplotlib, Origin Lab

Coding Skills: Python == Fortran > MATLAB > C

Languages: English (Fluent), Mandarin (Native)