Qi Shi

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EDUCATION

- **Central China Normal University (Project 211)** *Sep 2018 - Jun 2021*

  MSc of Theoretical Physics (Lattice QCD)

  - GPA: 3.8/5.0
  - Relevant Coursework: Numerical Simulation and Computational Physics (99), Quantum Field Theory (87), Advanced Quantum Mechanics (99), Advanced Statistical Physics (86)
  - Honors/Awards: The First Prize Scholarship (2018-2021)

- **Northeast Normal University (Project 211)** *Sep 2014 - Jun 2018*

  BSc of Physics

  - GPA: 3.52/5.0
  - Relevant Coursework: Advanced Mathematics (92), Mathematical Modeling (97), Physical Experiment (95), Analytical mechanics (97), Atomic Physics (88), Thermodynamics and Statistical Physics (83)
  - Honors/Awards: Scholarship for Academic Specialty, The Second Prize Scholarship, Morality Scholarship, Scholarship for Teaching Capacity

RESEARCH EXPERIENCE

- **The Hadron Resonance Gas model** *Sep 2019 - Jan 2020*
  - Derived the QCD equation of state in the HRG model
  - Introduced the magnetic field into the HRG model
  - Calculated thermodynamic observables through python
- **The fluctuations and correlations of conserved charges** *Feb 2020 - Jun 2020*
  - Writed scripts and used the server to process data
  - Analyzed data through python
  - Compared the results with the HRG model

PROFESSIONAL EXPERIENCE

- "The Frontier of Lattice Quantum Chromatography" International Summer School *Jun 24 - Jul 12, 2019*

  by Peking University
- The 37th international conference on lattice field theory *Jun 16-22, 2019*

  by Shanghai Jiaotong University
- OpenACC & GPU Applicaton Hackathon 2020 *Jul 29 - Aug 14, 2020*

  by CCNU & NVIDIA

PUBLICATIONS

- **Qi Shi**, et al. "Photophysical properties of chiral covalent organic cages." Computational and Theoretical Chemistry 1120 (2017) 1-7.
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SKILLS & OTHERS

- **Skills:** Python (Proficient), C++ (Basic), Latex (Proficient), Linux
- **Languages:** English, Chinese (Native)
- **Teaching assistant:** Thermodynamics and Statistical Mechanics for undergraduates