

Haozhe Su

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University of Science & Technology of China
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EDUCATION

University of Science and Technology of China(USTC) Hefei, China

- B.S. in Nuclear and Particle Physics, School of Physical Sciences Aug. 2014-(expected) Jun. 2018
- GPA: 0.00/4.30 or 00.00/100.00

RESEARCH EXPERIENCES

- **Study of Uniform Magnetic Field in the Prototype 3D Magnet (Presentation)**
Summer Research Program, University of Tennessee, Knoxville June. 2017- Aug. 2017
Advisor: Prof.Dr.Yuri Kamyshev
 - Examined the prototype 3-D magnet for future study of mirror neutrons.
 - Performed calculations of 3-D magnetic field in developed C++ code, with environmental magnetic field measured and subtracted.
 - Analyzed magnet performance data and compared them to calculation results.
 - Examined measurement errors and found their sources.
- **Study of $J/\psi \rightarrow \gamma K_s K_s \pi^0$ Using Data Collected With BESIII Detectors (Presentation)**
Department of Modern Physics, USTC Feb. 2017- Oct. 2017
Advisor: A/Prof.Dr.Yingchun Zhu
 - Implemented event selections, background estimations and signal fitting.
 - Made comparisons between data and M-C simulation results.
- **Energy Regeneration System Based on Piezoelectric Effect (Presentation)**
Electronic Circuit Laboratory, USTC Sept. 2016- Dec. 2016
Advisor: A/Prof.Dr.Xiantao Wei
 - Selected proper material(PZT) and chose its shape and size.
 - Decided an appropriate way to support the PZT pieces and designed an integration system, which was a device that accomplished triggering, energy conversion and storage.
 - Calculated the power that it produced when we exerted a certain force on it.
- **Neutron-Transport Simulation Using M-C Method**
Department of Modern Physics, USTC Nov. 2016
Advisor: Prof.Dr.Renyou Zhang
 - Utilized Direct Simulation Monte Carlo Method (DSMC) and the Improved Monte Carlo Method(Weighted Method) to simulate the movement of neutrons.
 - Calculated transmittance and energy distribution of transmitted neutrons.

ACADEMIC HONORS & REWARDS

- Institute of High Energy Physics Scholarship Apr. 2017
- Excellent Student Scholarship Sept. 2015/Sept. 2016/Sept. 2017
- Third Prize in the Optics Paper Competition Dec. 2015
- Third Prize in the 2014 National English Competition for College Students Oct. 2014
- Outstanding Freshman Scholarship Sept. 2014

STANDARDIZED TESTS

- **GRE General:** 000 (Quantitative Reasoning)+000 (Verbal Reasoning)+0.0 (Analytical Writing)
- **TOEFL iBT:** 00 (Reading)+00 (Writing)+00 (Listening)+00 (Speaking)=000

SKILLS

- **Familiar with** SpectraMag-6, Origin, C/C++, Maya, Java, CERN Root, \LaTeX

STUDENT WORK & ACTIVITIES

- **Assistant** of 2016 Undergraduate Recruitment of USTC. *Jun. 2016*
- **Member** of 3-D Animation & Special Effects Group. ([Works](#)) *Sept. 2015-Jan. 2016*
- **Member** of Basketball Team of School of Physical Sciences. *Mar. 2015-Present*
- **Member** of the Art of Pottery Group. ([Works](#)) *March. 2015-Present*
- **Member** of Propaganda Department of Association of Scientific Expedition of USTC. *Sept. 2014-Present*