

Longjie Chen

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Personal data

Date of birth	📅 November 26, 1999
Place of birth	📍 Guanngyuan City, Si Chuan Province, China
Nationality	📄 Chinese
Gender	👤 Male
Marital status	👤 Single

Education

2017 – 2021	📖 B.E. Nuclear Science , University of South China.
2021.9 – Present	📖 M.Sc. High Energy Physics , South China Normal University. Research focus: <i>Single Spin Asymmetry in Semi-Inclusive DIS</i> .

Skills

Languages	📖 Academic reading, writing and speaking competencies for English, Mandarin Chinese.
Coding	📖 Mathematica, \LaTeX .
Misc.	📖 Academic research, teaching, training, consultation, \LaTeX typesetting and learning publishing.

Current Situation

Current work


Present	📖 Calculating Single Spin Asymmetry in J/Ψ production at pp collisions as $pp^\uparrow \rightarrow J/\Psi X$
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Prospect

Future	📖 Figuring out the Gluon Sivers effect in intermediate region of p_T
	📖 Carrying on calculation in loop diagrams.

Publication

Journal Articles

- 1 L. Chen, H. Xing, and S. Yoshida, "Twist-3 gluon contribution to sivers asymmetry in J/ψ production in semi-inclusive deep inelastic scattering," *Phys. Rev. D*, vol. 108, p. 054021, 5 Sep. 2023.  DOI: 10.1103/PhysRevD.108.054021.

Research Interests

- 📖 Perturbative QCD & Spin Polarization Phenomenon
- 📖 Structure function and parton distribution function
- 📖 Heavy meson production in high energy scattering