Yingsheng Huang

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Education

Theoretical Department, Institute of High Energy Physics, Chinese Academy of Science — Beijing, China
Ph.D. in Theoretical Physics, Supervisor: Yu Jia — 2016–Current

Shandong University — Jinan, China
B.S. in Physics — 2012–2016

Research Interest

My research interest has focused on the applications of effective field theory (EFT) on different subjects in general.

- Non-relativistic QCD
- EFTs for systems with short range force, i.e. pionless EFT
- Soft-collinear effective theory
- etc...

I'm also interested in some other high energy related fields, i.e.

- Quasi distributions, i.e. quasi PDF
- Higgs physics
- Top physics

Publications

[1] F. Feng, **Y. Huang**, Y. Jia, W.-L. Sang, X. Xiong, and J.-Y. Zhang, "Fragmentation production of fully-charmed tetraquarks at lhc", Sep. 2020. arXiv: 2009.08450 [hep-ph].

[2] F. Feng, **Y. Huang**, Y. Jia, W.-L. Sang, and J.-Y. Zhang, "Exclusive radiative production of fully-charmed tetraquarks at b factory", Nov. 2020. arXiv: 2011.03039 [hep-ph].

[3] G.-Y. Chen, **Y. Huang**, Y. Jia, and Y. Rui, "Meson-meson scattering in two-dimensional qcd", Apr. 2019. arXiv: 1904.13391 [hep-ph].

[4] **Y. Huang**, Y. Jia, and R. Yu, "Near-the-origin divergence of dirac wave functions of hydrogen and operator product expansion", Jan. 2019. arXiv: 1901.04971 [hep-ph].

[5] **Y. Huang**, Y. Jia, and R. Yu, "Deciphering the coalescence behavior of coulomb-schr´odinger atomic wave functions from operator product expansion", Sep. 2018. arXiv: 1809.09023 [hep-ph].

[6] **Y. Huang**, Y. Jia, and R. Yu, "Near-the-origin divergence of klein-gordon wave functions for hydrogen-like atoms and operator product expansion", Dec. 2018. arXiv: 1812.11957 [hep-ph].

Presentations

- Workshop on Field Theories in Particle Physics, Cosmology and Many Body Theories, "Operator Product Expansion for Atomic Wave Functions", Ürümqi, China, Oct. 2018
- "Tackling Fully-Heavy Tetraquark Production with NRQCD Factorization", TUM, Oct. 2020

References

- Prof. Yu Jia (Theoretical Physics Division, Institute of High Energy Physics, Chinese Academy of Sciences, China)
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- Assoc. Prof. Deshan Yang (College of Physical Sciences, University of Chinese Academy of Sciences, China)
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  Tel: +86-10-82640470
- Asst. Prof. Xiaohui Liu (Center of Advanced Quantum Studies, Department of Physics, Beijing Normal University, China)
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