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Personal Information

Male, born in November, 1990, Chinese citizen.

Education

Bachelor of Science, in *Physics*, Shandong University, 2006 - 2010.

Ph.D., in *Particle Physics*, Shandong University, 2010 - 2015.

Ph.D. Thesis

高能正负电子湮灭过程中碎裂函数的研究

Supervisor: Zuo-tang Liang. Defended in the May of 2015.

Research Interests

QCD, including the following topics: small- x , jet quenching, hadron structure.

List of Publications

1. Higher-twist contribution to fragmentation function in inclusive hadron production in e^+e^- annihilation
S.Y. Wei, Y.K. Song, Z.T. Liang. Phys. Rev. D 89, 014024. (2014)
2. Leading and higher twist contributions in semi-inclusive e^+e^- annihilation at high energies
S.Y. Wei, K.B. Chen, Y.K. Song, Z.T. Liang. Phys. Rev. D 91, 034015. (2015)
3. Three dimensional imaging of the nucleon and semi-inclusive high energy reactions
K.B. Chen, S.Y. Wei, Z.T. Liang. Front. Phys. 10(6), 101204. (2015)

4. **Tensor polarization dependent fragmentation functions and $e^+e^- \rightarrow \pi V X$ at high energies**
K.B. Chen, W.H. Yang, S.Y. Wei, Z.T. Liang. [Phys. Rev. D 94, 034003](#). (2016)
5. **Probing Transverse Momentum Broadening via Dihadron and Hadron-jet Angular Correlations in Relativistic Heavy-ion Collisions**
L. Chen, G.Y. Qin, S.Y. Wei, B.W. Xiao, H.Z. Zhang. [Phys. Lett. B 773, 672-676](#). (2017)
6. **Effect of medium recoil and p_T broadening on single inclusive jet suppression in high-energy heavy-ion collisions**
X.N. Wang, S.Y. Wei, H.Z. Zhang. [Phys. Rev. C 96, 034903](#). (2017)
7. **Twist-4 contributions to semi-inclusive deeply inelastic scatterings with polarized beam and target**
S.Y. Wei, Y.K. Song, K.B. Chen, Z.T. Liang. [Phys. Rev. D 95, 074017](#). (2017)
8. **Dijet Asymmetry in the Resummation Improved Perturbative QCD Approach**
L. Chen, G.Y. Qin, S.Y. Wei, B.W. Xiao, H.Z. Zhang. arXiv: [1612.04202](#). (2016)