

Jiahao Miao

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👤 jiahaomiao.github.io · 05/12/2001 · Chinese · Male

Education

Master's Degree in Physics , <i>University of Milan</i>	09/2024 – Present
Average mark: 29.42/30 · EQF level 7	Milan, Italy
Supervisor: Giancarlo Ferrera	
Key Coursework: Theory of Fundamental Interactions 1&2, Theoretical Physics 1&2, Geometry and Group Theory 2, Gravity and Superstring 1&2, Computational Physics Laboratory	
Bachelor's Degree in Physics , <i>University of Milan</i>	09/2021 – 07/2024
Final grade: 110/110 cum Laude (Avg: 29.44/30) · EQF level 6	
Supervisor: Giancarlo Ferrera	
Thesis: <i>Resummation of QCD large infrared logarithms for thrust distribution in e^+e^- annihilation</i>	
Summary: Performed all order resummation in dQCD up to N ³ LL accuracy and computed analytical inverse Laplace transforms to compare Laplace-space vs. physical-space formulas.	
Diploma Liceo Scientifico , <i>Liceo Scientifico Einstein</i>	09/2016 – 07/2021
Final grade: 100/100 · EQF level 4	Milan, Italy

Publications

U. Aglietti, G. Ferrera, W.-L. Ju, J. Miao *Thrust Distribution in Electron-Positron Annihilation at Full Next-to-Next-to-Next-to-Leading-Logarithmic Accuracy Including Next-to-Next-to-Leading-Order Terms in QCD*. **PRL** 134 (2025) 25 (arXiv:2502.01570). **(2025)**

Conferences and Seminars

• Special Challenges in Quantum Chromodynamics (Florence) Link: https://agenda.infn.it/event/48177/	08/01/2026 – 09/01/2026
• Resummation, Evolution, Factorization 2025 (Milan) Link: https://agenda.infn.it/event/43981/	13/10/2025 – 17/10/2025

Technical Experience

HPC Administrator , <i>University of Milan</i>	Milan, Italy · 07/2025 – Present
• Administration & Maintenance: Administer the cluster of the Milan Theory Group(40+ nodes, 2000+ CPU cores and 7+ TB of RAM), diagnosing hardware issues and managing software lifecycles to ensure optimal uptime.	
• User Management: Provision user accounts, configure permissions, and enforce secure access control protocols for department researchers.	

Additional Work Experience

Logistics & Customer Service Assistant , <i>Coop Supermarket</i>	Milan, Italy · 07/2021 – Present
Managed 8-hour Sunday shifts focused on inventory restocking, warehouse logistics, and customer assistance.	

Skills & Languages

Programming & Technical: Mathematica, C++, Python, Bash, HPC administrator, Slurm, Git	
Languages: Italian (Native), Chinese (Native), English (Listening C1 , Reading C1 , Writing C1 , Spoken Production B2 , Spoken Interaction B2)	

Additional Information

Driving Licence: B (14/05/2021 – 05/12/2031)