

CURRICULUM VITAE

Feiyu Deng

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ACADEMIC POSITION

Current	Postdoctoral Researcher Institute of Theoretical Physics, Chinese Academy of Sciences
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EDUCATION

2020–2025	PhD, Physics Fudan University
2016–2020	BSc, Physics Jilin University

RESEARCH INTERESTS

Holography · Black-hole information · Quantum gravity · Boundary and defect systems · Computational field theory

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PUBLICATIONS

2025	Holographic boundary conformal field theory with TT deformation Zhi Wang, Feiyu Deng · Journal of High Energy Physics 01 (2025) 020 · DOI
2024	End of the world brane meets TT Feiyu Deng, Zhi Wang, Yang Zhou · Journal of High Energy Physics 07 (2024) 036 · DOI
2023	JT gravity from partial reduction and defect extremal surface Feiyu Deng, Yu-Sen An, Yang Zhou · Journal of High Energy Physics 02 (2023) 219 · DOI
2021	Page curve from defect extremal surface and island in higher dimensions Jinwei Chu, Feiyu Deng, Yang Zhou · Journal of High Energy Physics 10 (2021) 149 · DOI
2021	Defect extremal surface as the holographic counterpart of Island formula Feiyu Deng, Jinwei Chu, Yang Zhou · Journal of High Energy Physics 03 (2021) 008 · DOI

RESEARCH TOOLS AND TECHNICAL METHODS

Scientific computing	Mathematica, Python
Research methods	Symbolic derivation, numerical field theory, manuscript verification
Web and AI systems	Agentic workflows, structured research pipelines, scientific visualization