



袁野

百人计划研究员/博士生导师

博士后	2015-2018	普林斯顿高等研究院, 美国
博士	2012-2015	滑铁卢大学, 加拿大
硕士	2011-2012	滑铁卢大学, 加拿大
学士	2007-2011	南京大学



Ye Yuan

Professor Ye Yuan

Postdoc.	2015-2018	Institute for Advanced Study, Princeton
Ph.D.	2012-2015	University of Waterloo
M.S.	2011-2012	University of Waterloo
B.S.	2007-2011	Nanjing University

Cell: 181 5719 0312
Email: eyyuan@zju.edu.cn
Homepage: <http://person.zju.edu.cn/yuan>

Research Focus



研究领域

主要通过散射振幅探究各种量子场论模型以及弦论在微扰区域的物理性质和数学性质：

- 1、无质量粒子散射的 Cachazo-何-袁构造
- 2、引力散射振幅的“双重复制”方法
- 3、圈图费曼积分的解析结构
- 4、反德西特空间边界关联函数

1. Cachazo-He-Yuan formalism
2. Double-copy methods for gravity amplitudes
3. Analytic structures of Feynman loop integrals
4. Boundary correlators of Anti de Sitter spacetime

Representative Publications



代表出版物

1. E.Y.Yuan, Simplicity in AdS Perturbative Dynamics, arXiv: 1801.07283.
2. N.Arkani-Hamed, E.Y.Yuan, One-Loop Integrals from Spherical Projections of Planes and Quadrics, arXiv: 1712.09991.
3. Y-t.Huang, W.Siegel, E.Y.Yuan, Factorization of Chiral String Amplitudes, JHEP 09 (2016) 101, arXiv: 1603.02588.
4. F.Cachazo, S.He, E.Y.Yuan, One-Loop Corrections from Higher Dimensional Tree Amplitudes, JHEP 08 (2016) 008, arXiv: 1512.05001.
5. F.Cachazo, S.He, E.Y.Yuan, New Double Soft Emission Theorems, Phys. Rev. D 92 065030 (2015), arXiv: 1503.04816.
6. F.Cachazo, S.He, E.Y.Yuan, Scattering Equations and Matrices: From Einstein To Yang-Mills, DBI and NLSM, JHEP 07 (2015) 149, arXiv: 1412.3479.
7. F.Cachazo, S.He, E.Y.Yuan, Scattering of Massless Particles in Arbitrary Dimensions, Phys. Rev. Lett. 113 171601 (2014), arXiv: 1307.2199.
8. F.Cachazo, S.He, E.Y.Yuan, Scattering Equations and Kawai-Lewellen-Tye Orthogonality, Phys. Rev. D 90 065001 (2014), arXiv: 1306.6575.

