

# Stanford

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## Yuk Ting Albert Law

Postdoctoral Scholar, Physics

### Bio

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#### STANFORD ADVISORS

- Eva Silverstein, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Black hole horizon edge partition functions** *JOURNAL OF HIGH ENERGY PHYSICS*

Grewal, M., Law, Y., Parmentier, K.  
2023

- **Black hole superradiance with dark matter accretion** *PHYSICAL REVIEW D*

Hui, L., Law, Y., Santoni, L., Sun, G., Tomaselli, G., Trincherini, E.  
2023; 107 (10)

- **Soft scalars and the geometry of the space of celestial conformal field theories** *PHYSICAL REVIEW D*

Kapec, D., Law, Y., Narayanan, S. A.  
2023; 107 (4)

- **Black hole scattering and partition functions** *JOURNAL OF HIGH ENERGY PHYSICS*

Law, Y., Parmentier, K.  
2022

- **Quantum de Sitter horizon entropy from quasicanonical bulk, edge, sphere and topological string partition functions** *JOURNAL OF HIGH ENERGY PHYSICS*

Anninos, D., Denef, F., Law, Y., Sun, Z.  
2022

- **A compendium of sphere path integrals** *JOURNAL OF HIGH ENERGY PHYSICS*

Law, Y.  
2021

- **Penrose process for a charged black hole in a uniform magnetic field** *PHYSICAL REVIEW D*

Gupta, K., Law, Y., Levin, J.  
2021; 104 (8)

- **Relativistic partial waves for celestial amplitudes** *JOURNAL OF HIGH ENERGY PHYSICS*

Law, Y., Zlotnikov, M.  
2020

- **Massive spinning bosons on the celestial sphere** *JOURNAL OF HIGH ENERGY PHYSICS*

Law, Y., Zlotnikov, M.

2020

● **Poincare constraints on celestial amplitudes** *JOURNAL OF HIGH ENERGY PHYSICS*

Law, Y., Zlotnikov, M.  
2020