



Aurora Ireland

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Bio

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Aurora Ireland is broadly interested in early universe cosmology and high energy particle theory. She completed her PhD at the University of Chicago in 2024. Prior in 2018, she obtained a masters degree from the Perimeter Institute for Theoretical Physics.

STANFORD ADVISORS

- Peter Graham, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Asymmetric reheating via inverse symmetry breaking** *PHYSICAL REVIEW D*
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- **Supermassive primordial black holes from inflation** *JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS*
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- **Cosmological magnetic fields from primordial Kerr-Newman black holes** *PHYSICAL REVIEW D*
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- **Primordial gravitational waves from black hole evaporation in standard and nonstandard cosmologies** *PHYSICAL REVIEW D*
Ireland, A., Profumo, S., Scharnhorst, J.
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- **New tools for dissecting the general 2HDM** *JOURNAL OF HIGH ENERGY PHYSICS*
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- **\overline{T} -deformed YM^2 on general backgrounds from an integral transformation** *JOURNAL OF HIGH ENERGY PHYSICS*
Ireland, A., Shyam, V.
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