

# Rithika Ganesan

Graduate student | University of Tennessee

02.11.2026 Simons kick-off meeting

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## Core experience

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Undergrad	BSM phenomenology
Graduate	Muon collider
	CMS

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BIB mitigation in calos
Muon cooling with HFOFO

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• Muon cooling with HFOFO
study of single-particle dynamics in solenoidal channels
“archaeology” of the existing matching section

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## In this grant

- developing a beam-agnostic matching protocol for a generic HFOFO channel
- possibly with ML