

PHYSICS COLLOQUIUM

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VIRGINIA TECH

CHARTING NEW DIRECTIONS IN THE LANDSCAPE
OF PHYSICS BEYOND THE STANDARD MODEL

SEPTEMBER 17 | 2:30 PM

130 HAHN HALL NORTH

ZOOM LINK: [HTTPS://VIRINIATECH.ZOOM.US/J/96084996911](https://viriniatech.zoom.us/j/96084996911)

The existence of neutrino masses and non-luminous dark matter both require that the Standard Model of particle physics be extended. In this talk I'll discuss well-motivated theories which can account for these observations and how to go about testing them. A key theme emerging from the hunt for new physics is the complementarity of observational and experimental data.