

# PHYSICS SEMINAR

## BEAM ON: Medical Physics, Radiobiology, and Stereotactic Radiosurgery

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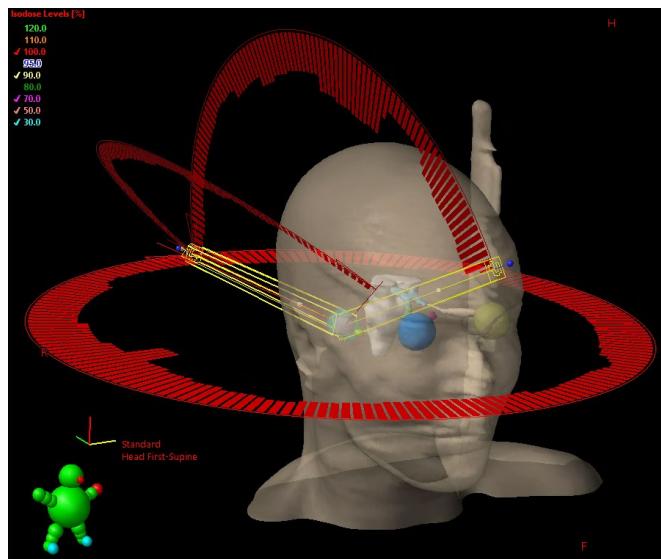
*Intermountain Health-St. Mary's Regional Hospital*

Thursday, February 5, 2026

12:30 – 1:30 p.m.

WS 160

The Medical Physics profession combines aspects of physics, biology, and engineering to support the safe and effective delivery of radiation to patients for the diagnosis and/or treatment of cancer and benign disease(s). The seminar will begin by briefly presenting the necessary education and certifications for different career paths within the field, as well as the separate “branches” under the medical physics canopy. That’ll lead to a review of the basic radiobiology principles underpinning therapeutic radiation treatments. At which point, those conventions will be thrown out the window to discuss the emergence of stereotactic radiosurgery—high doses, small targets, fewer treatments!



Refreshments!