

# Department of Physics Colloquium

**Speaker: Pablo Giuliani, Ph.D.**

Facility for Rare Isotope Beams

Michigan State University

## “Life is Too Short for Slow Computations”

Open to the public, free of charge

**Monday, February 19, 2024 – 4 p.m. – 1110 Rood Hall**

**Refreshments:** 3:30-3:50 p.m., Bradley Commons, 2202 Everett Tower

**Abstract:** We will discuss machine learning and dimensionality reduction strategies to help overcome computational barriers, particularly within Bayesian uncertainty quantification, and for accelerating scientific discovery, particularly within nuclear physics. These methods remove redundancies from complex models and go straight to the point, much like this abstract does.

**Parking:** Metered parking is available in Parking Structure #2, near Miller Auditorium.

**More information:** (269) 387-4941 [Department of Physics email](#) [Campus map](#)

