WPI Physics COLLOQUIUM

Join Us for Our Guest Speaker



Prof. Luis Peralta

Associate Professor, Faculty of Sciences,

University of Lisbon, Portugal

Title: Development of Tools and Methods for Proton Therapy

Abstract:

Hadron therapy has emerged in recent years as a powerful approach to cancer treatment. It is a highly sophisticated form of radiotherapy that still presents several challenges in its practical implementation. In this seminar, we will present the development in Lisbon of detectors for quality assurance of therapeutic proton beams. We will also discuss the development of fluorescent nuclear track detectors in our laboratory and explore their potential applications in radiobiology experiments.

Bio:

Luis Peralta is an Associate Professor at the Faculty of Sciences of the University of Lisbon, Portugal. His research spans high-energy physics experiments at CERN, medical physics, and environmental applications. His main research interests are the development of radiation detectors and Monte Carlo simulations.

Wed 11/11/26

12:00-12:50pm in Room Innovation Studio 205