PHYSICS COLLOQUIUM

PROFESSOR GIORGIO GRATTA

STANFORD UNIVERSITY

MEASURING GRAVITY AT MICRON SCALE AND OTHER FUN TRICKS WITH OPTICALLY LEVITATED MICROSPHERES

NOVEMBER 19 | 2:30 PM

130 HAHN HALL NORTH

ZOOM LINK: HTTPS://VIRGINIATECH.ZOOM.US/S/96084996911

" I will describe a new program of measurements in fundamental physics using optically levitated dielectric microspheres. The focus of the talk will be the recently completed first search for new, gravity-like interactions at micron scale using this novel technique. I will also show an array of other results, including searches for millicharged particles, Chameleon fields and techniques to manipulate the various degrees of freedom of the trapped microspheres. "

COLLEGE OF SCIENCE PHYSICS VIRGINIA TECH