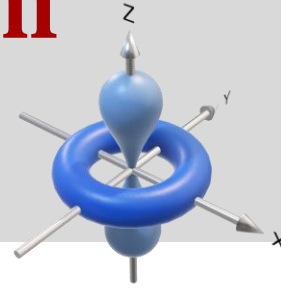




Department of Physics Colloquium

April 12, 2021



3:00 PM

A Review of Recent Findings and Progress in Astronomy

Prof. Matthew Newby

*Department of Physics
Temple University*

In this talk I will review recent findings in astronomy, some of which have important implications for other areas of physics. Topics include: new radio images and implications relating to supermassive black hole M87*; the important implications of accurate parallax-determined distances from the European Space Agency's GAIA satellite; the possible detection of potential biosignature molecule phosphine in the atmosphere of Venus; the current state of dark matter research; and the now statistically-significant discrepancy in measurements of the Hubble constant. A brief overview of current and near-future space exploration missions and major observatories, including the Arecibo Telescope and the Vera C. Rubin Observatory (formerly LSST), will be presented.

All colloquia will be held via Zoom. Link to the Zoom session will be provided via email and Canvas