

University of Victoria

Department of Physics & Astronomy

Seminar

Date: Wednesday July 22, 2015

Time: 1:00pm

Place: Ell 167

Speaker: Dr. Pauline Barmby

Associate Professor

Department of Physics and Astronomy, Western University

London, ON, Canada

All M31, All the Time

Abstract:

There are many reasons to study the Andromeda galaxy, and many different ways to do so. This talk will describe several facets of M31: polycyclic aromatic hydrocarbon (PAH) emission spectra from different environments, scaling laws for resolved star formation, the mid-infrared surface brightness profile, and the X-ray source population. The observation data come from a variety of space- and ground-based telescopes and cover every wavelength regime except gamma rays. The final project I'll discuss involves working out how to best organize these data to optimize multi-wavelength investigations.