



PHYSICS AND ASTRONOMY COLLOQUIUM

Dr. Catherine Lovekin
Mount Allison University

“Radial Pulsation Characteristics of delta Scuti Stars”

Abstract

“delta Scuti variables are stars which exhibit periodic changes in their luminosity through radial and non-radial pulsations of their surfaces. Internally, these stars have small convective cores, making convective overshoot an important process. In order to better understand the internal convective properties of these stars, I investigated the characteristics of radial pulsation for stellar models at a range of mass, metallicity, convective overshoot, and rotation velocities. In this talk, I will discuss the behaviour of radial pulsation, focusing on the pulsation constant, Q , and what it can tell us about the stars.”

Wednesday, April 7, 2021
3:30 p.m.

via Zoom: <https://uvic.zoom.us/j/81377096640>