



Department of Physics and Astronomy
FALL 2019 Colloquium Series

“Studying the Most Extreme Processes in the Universe with VERITAS”

Dr. Amy Furniss

CSU East Bay

Remarkable progress has been made in very high energy (VHE; $E > 100$ GeV) gamma-ray astrophysics in the last decade. The VHE source catalog has increased tenfold in under a decade, with active galaxies being the most commonly detected source type. These sources, harboring some of the most extreme particle populations known to exist in the Universe, can be studied through observation of ground-based imaging atmospheric Cherenkov telescopes. The Very Energetic Radiation Imaging Telescope Array System (VERITAS) is one these unique astronomical instruments that has been in full operation for ten years. A summary of the imaging technique used in ground-based gamma-ray astronomy, the VERITAS instrument, as well as highlights from the VERITAS extragalactic observation program will be presented.

Thursday, October 3, 2019

4:00 - 5:20PM

MENDOCINO HALL 1015

Open & Free to all students, faculty and public