



PHYSICS AND ASTRONOMY COLLOQUIUM

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**“How to detect the most energetic particles in the
Universe?”**

Abstract

“I will present the current status of the most advanced observatory for the detection of cosmic rays with extremely high energies - the Pierre Auger Observatory in Argentina. I will discuss, how we detect and what we know about the most energetic particles in the Universe, what we know about their chemical composition and about their potential astrophysical sources. I will also mention the key open questions and controversies in the field of astroparticle physics. For comparison, at the end of my talk I will briefly introduce other project, where our group participates, and which is dedicated specifically to observation of most energetic photons - the Cherenkov Telescope Array (CTA) - that is currently under construction.”

Wednesday, September 15, 2021

3:30 p.m.

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