



**UNIVERSITÉ
DE GENÈVE**

FACULTÉ DES SCIENCES
Département de physique
nucléaire et corpusculaire

SÉMINAIRE DE PHYSIQUE CORPUSCULAIRE

- SUJET:** **Gamma-ray Astronomy - Recent Highlights from VERITAS**
- PAR:** Dr. Stefan Schlenstedt
 DESY
- DATE:** Mercredi 7 novembre 2018
- LIEU:** Ecole de physique, Grand Auditoire A - **11h15**
 24, Quai Ernest-Ansermet, Genève

RÉSUMÉ:

A short introduction to gamma-ray astronomy, a new field in astronomy and astroparticle physics, will be given. VERITAS is a ground-based gamma-ray observatory consisting of an array of four atmospheric Cherenkov telescopes located in southern Arizona, USA. VERITAS carries out an extensive observation program of the gamma-ray sky with a sensitivity in the energy range from 85 GeV to > 30 TeV. Recent highlights of the VERITAS observation program of extragalactic sources will be presented like active galactic nuclei and other extragalactic objects like radio galaxies and starburst galaxies. The studies of the extragalactic background light will be discussed. Also recent results on galactic accelerators will be presented like supernova remnants with fast shocks, pulsars with powerful winds and intensely-interacting binary systems.

INFORMATION : <http://www.unige.ch/dpnc>

ORGANISATEURS: Anna.Sfyrla@unige.ch & Domenico.Dellavolpe@unige.ch