High energy and space astrophysics (UNIGe)

Neronov Andrii

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<th>Cursus</th>
<th>Sem.</th>
<th>Type</th>
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<th>Exam</th>
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<th>Hours</th>
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Frequency
Every year

Remarque
Every year / Fall & Spring (Full year)

Summary
Acquisition of basic knowledge on emission processes relevant to high energy emission of cosmic objects. Acquisition of a broad knowledge of all types of high energy objects. General knowledge of a number physical processes relevant in high energy astrophysics.

Content
Processes generating photons (synchrotron radiation, Compton effect)
Sources of high energy radiations: neutron stars, black holes, quasars
Observation results both from ground based and space observations
Space mission overview
ESA scientific program

Lecturers: Prof. Andrii Neronov & Dr. Carlo Ferrigno, Observatoire de Genève