



Laboratoire LEPRINCE-RINGUET
Ecole polytechnique IN2P3/CNRS

Séminaire

The Imaging X-ray Polarimetry Explorer (IXPE)

The Imaging X-ray Polarimetry Explorer (IXPE) is the next SMAll EXplorer (SMEX) mission selected by NASA for a launch in 2021.

IXPE will expand the X-ray view of the Universe by adding polarization to the properties (time, energy, and position) observed in x-ray astronomy.

The observatory operates in the 2-8 keV energy band and includes three identical x-ray telescopes, each comprising a 4 m focal-length (grazing-incidence) mirror module assembly (MMA) and a polarization-sensitive gas pixel detector (GPD).

The observation plan includes a few tens of sources of various types to be studied during the nominal lifetime of 2 year.

In this seminar we will discuss the scientific prospects of the mission, the development of the polarization-sensitive focal plane detectors, and the status of the program.

Carmelo SGRO

INFN Pisa

Salle conférence du
LLR 05-2021

**Lundi 6 mai
14h00**

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Responsables séminaires

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