



Contribution ID: 57

Type: **Oral**

Scattering Polarimetry in the hard X-Ray range

Wednesday 21 June 2023 09:50 (25 minutes)

In the Soft/Medium energy X-Ray band photoelectric focal plane polarimetry resulted, with IXPE, in a breakthrough increase of sensitivity. Both data and models advocate for an extension to the hard X ray range. At higher energies where gas based detectors are transparent scattering polarimetry is in practice the only viable method. I discuss the difference between collimated and focal plane instruments and the trade-off between efficiency and background, in order to arrive to a decent throughput, with some hint on the needed technologic developments.

Eligibility for "Best presentation for young researcher" prize

No

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Session Classification: Direct hard-X-ray and γ -ray measurements

Track Classification: Instrumentation and missions for hard X-ray and γ -ray direct measurements in space