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# Probing particle acceleration in jets through X-ray polarimetry

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X-ray polarimetry allows us an unprecedented look at the structure of magnetic fields and on the processes at the base of acceleration of particles up to ultrarelativistic energies in relativistic jets. Crucial pieces of information are expected from observations of blazars of the subclass defined by a synchrotron emission extending to the X-ray band (so-called high synchrotron peak blazars, HSP). I will present some of the models and numerical simulations developed to predict the polarimetric properties of HSP at high energy, contrasting them with the recent measurements of the IXPE satellite.

**Primary authors:** TAVECCHIO, Fabrizio (Istituto Nazionale di Astrofisica (INAF)); LANDONI, Marco (Istituto Nazionale di Astrofisica (INAF))

**Presenter:** TAVECCHIO, Fabrizio (Istituto Nazionale di Astrofisica (INAF))

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