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Polarimetry of neutron stars

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Neutron stars are the strongest magnetised stellar objects in the Universe. Therefore, it is natural to assume that their radiation, either from the magnetosphere or the surface, is strongly polarised. In this review I will summarise the multi-wavelength polarisation properties of isolated neutron stars, mainly rotation-powered pulsars, both time averaged and time resolved and outline observational perspectives for the near future.

Primary author: Prof. MIGNANI, roberto (INAF/IASF)

Co-authors: Prof. MIGNANI, roberto; Prof. SHEARER, andy (NUI, galway)

Presenters: Prof. MIGNANI, roberto; Prof. SHEARER, andy (NUI, galway)

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