Recent SAAO Science Highlights

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South African Astronomical Observatory







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Evidence for quasi-periodic oscillations in the optical polarization of the blazar PKS 2155-304







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AR Sco

Marsh et al, Nature, 2016 white dwarf radio pulsar with a M-dwarf secondary 3.56hr orbit 117s,118s, modulations from radio to UV measured WD spin down powers the non-thermal emission Optical spectrum – synchrotron emission

Observed in 2016 with HIPPO, 1.9m SAAO discovered optically pulsed polarized emission





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Feast et al., Nature, 2014









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Shara et al., Nature, 2017









Shara et al., Nature, 2017









Thank You





