

PHAROS Conference 2019: the multi-messenger physics and astrophysics of neutron stars



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Observations of highly magnetic neutron stars

I will review the state of the art of strongly magnetic neutron stars, magnetars, from an observational perspective. In particular, I will focus on the prolonged outburst of the magnetar at the Galactic Centre, as well as the magnetar-like activity of the peculiar central compact object at the centre of the supernova remnant RCW 103. I will also report on the magnetar-like signatures recently discovered in a couple of thermally emitting isolated neutron stars. I will then present the results of the first systematic study of all magnetar outbursts observed over the past two decades.

Primary author(s) : Dr COTI ZELATI, Francesco (IEEC-CSIC)

Presenter(s) : Dr COTI ZELATI, Francesco (IEEC-CSIC)