

# Young Scientist Prize Winners – IUPAP Commission 19 Astrophysics

**2014 - Nanda Rea**



**2015 - Sylvain Guiriec**



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**2014 - Nanda Rea**

The 2014 IUPAP Young Scientist Prize in Astrophysics was awarded to Nanda Rea for her “her valuable contribution to the study of neutron stars. In particular for the discovery that magnetars can have low dipolar magnetic fields in line with the normal pulsar population, at variance with the long-standing belief that the electron critical magnetic field was a lower limit for magnetar-activity to take place.”

## Magnetars: The Universe Strongest Magnets

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**2015 - Sylvain Guiriec**

The 2015 IUPAP Young Scientist Prize in Astrophysics was awarded to Sylvain Guiriec for his “insightful and innovative contributions towards understanding the nature of Gamma Ray Burst (GRB) prompt emission, in particular the establishment of multi-component spectra, and the discovery of a new Peak Energy – Luminosity relation showing that GRBs can be used as standard candles and thereby as unique cosmological probes.”

**Toward a Unified model for GRB Prompt Emission &  
a new Luminosity hardness relation**