Contribution ID: **200** Type: **contributed poster**

Chandra Observation of Fast-moving Pulsars

The supersonic motion of a pulsar in the ambient medium usually renders pulsar wind nebulae with morphologically bow-shaped shocks and/or cometary tails. Chandra, with its unprecedented angular resolution and high sensitivity has proved a great success in the detection and precise characterisation of these fast-moving pulsars. In particular, with an increasing number of detected supersonic pulsar wind nebula (SPWN) systems, an unusual outflow structure misaligned with respect to the pulsar motion has been observed in several cases. Here, recent results from the spatial and spectral analysis of several SPWNe based on Chandra observations are presented.

Primary author: Mrs ZHANG, Xiying (Universitat de Barcelona / ICCUB)

Presenter: Mrs ZHANG, Xiying (Universitat de Barcelona / ICCUB)

Session Classification: Poster session