



# - RAY ASTRONOMY 2019

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## The X-ray emission from hot subdwarf stars

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In the last decade the high throughput and spectral resolution of the *XMM-Newton* and *Chandra* X-ray telescopes has allowed us to investigate the X-ray emission from hot subdwarf stars. Up to now, we have detected in X-rays five sdO stars. All of them show intrinsic X-ray emission and their spectrum can be described with the sum of two or three thermal-plasma components, as in the case of normal O-type stars. Therefore, the X-ray emission seems to originate from shock instabilities in the wind. These results show that the X-ray observation of hot subdwarf stars is essential for understanding their properties.

### Topic

Compact and diffuse sources in galaxies and in the Galactic Center

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