

## **Broadband X-ray spectrum of intermediate polar V1223 Sgr**

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### **Abstract**

We present the broadband phase averaged spectrum of one of the brightest intermediate polars V1223 Sgr, obtained with INTEGRAL and RXTE observatories (3-100 keV). Good statistical quality of the spectrum in a hard X-ray energy band (INTEGRAL/IBIS and RXTE/HEXTE) allowed us to disentangle contributions of a direct optically thin plasma emission and a reflected component to the spectrum of V1223 Sgr. The obtained measurement of the post-shock temperature of the accreting matter give us the information about the mass of the white dwarf and the inclination of the system.

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### **Keywords**

Stars: binaries: general, Stars: individual: V1223 Sgr, X-rays: binaries