



V709 Cas

Long Period Intermediate Polar

OBSERVATION DATA

SCALE 10" X 10"

ROSAT RASS ^[4]

OTHER NAME(S): RX J0028.8+5917; SWIFT J0028.9+5917					
FOUND: ROSAT 1995					
RIGHT ASCENSION ^[1]		00 ^h 28 ^m 48.827 ^s	DECLINATION ^[1]		+59° 17' 22.034"
PARALLAXES (mas) ^[1]		1.347 ± 0.017	DISTANCE (pc) ^[2]		725.223
DISTANCE BOUNDARIES (pc) ^[2]			Lower = 716.339		Upper = 734.295
WD MASS (M _o)		0.94	...		...
ORBITAL PERIOD (P _o) ^[3]			SPIN PERIOD (P _s) ^[3]		
DAYS	HOURS	MINUTES	HOURS	MINUTES	SECONDS
0.2222	5.333	320.0	0.0869	5.213	312.8
OPTICAL (CRTS MAGNITUDE)					
...		...	...		...
OTHER INFORMATION					

SUMMARY

EXTERNAL LINKS



REFERENCES

- ¹ Gaia Collaboration et al. (2018b): Summary of the contents and survey properties
- ² Bailer-Jones et al. 2018, "Estimating Distance from Parallaxes. IV. Distances to 1.33 Billion Stars in Gaia Data Release 2", *ApJ*, Vol. 156, 58
- ³ Koji, Mukai 2014, *The Catalog of IPs and IP Candidates by Right Ascension*
- ⁴ HEASARC Skyview: ROSAT All-Sky
- ⁵ Haberl, F. et al. 1995, "New intermediate polars discovered in ROSAT survey: two spectrally distinct classes", *A&A*, Vol. 297, pp. L37-40
- ⁶ Shaw, A. W. et al. 2018, "Measuring the Masses of Intermediate Polars with NuSTAR: V709 Cas, NY Lup, and V1223 Sgr", *MNRAS*, Vol. 476, pp. 554-561
- ⁷ Xu, X. et al. 2019, "The Fe Line Flux Ratio as a Diagnostic of the Maximum Temperature and the White Dwarf Mass of Cataclysmic Variables," *ApJ*, Vol. 878, pp. 7