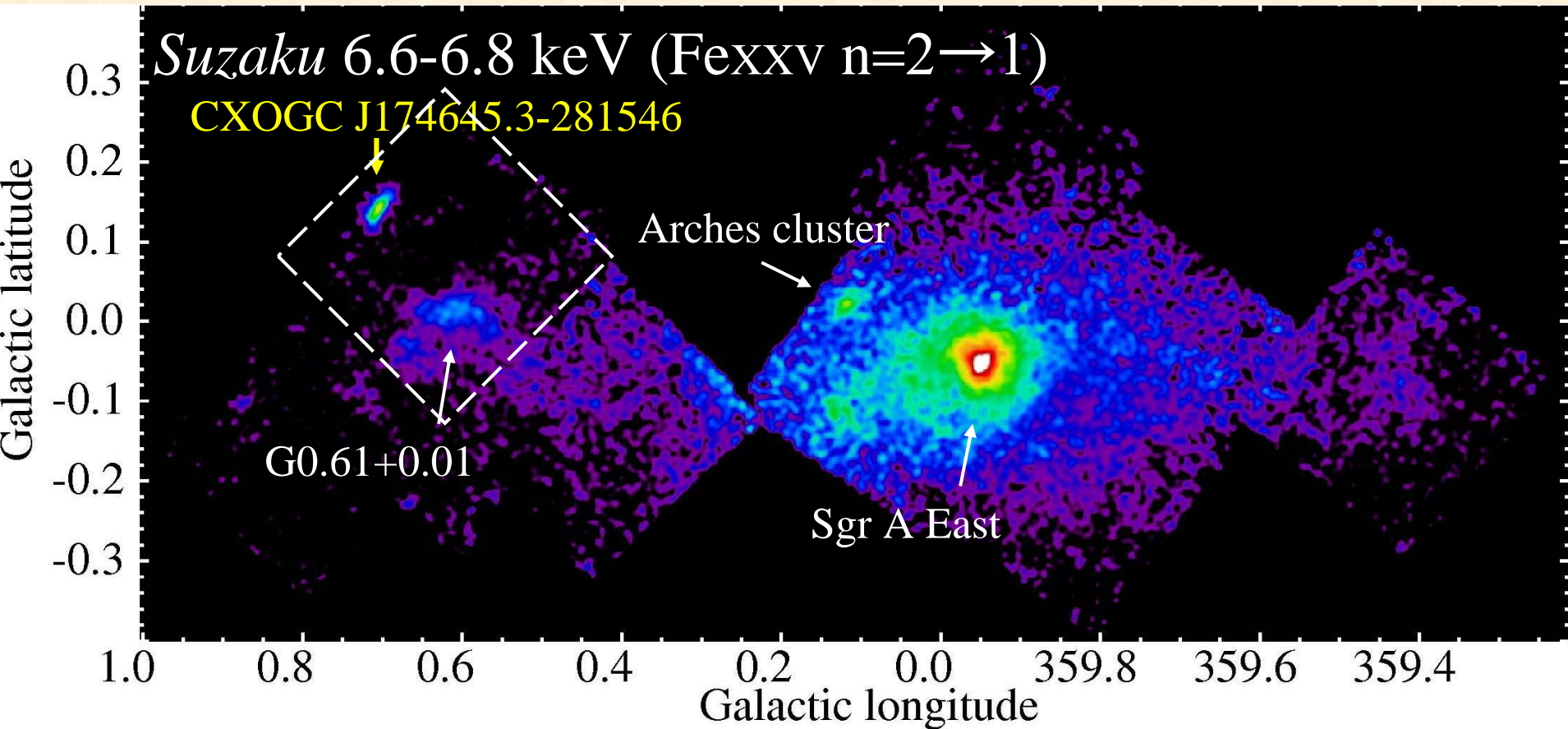


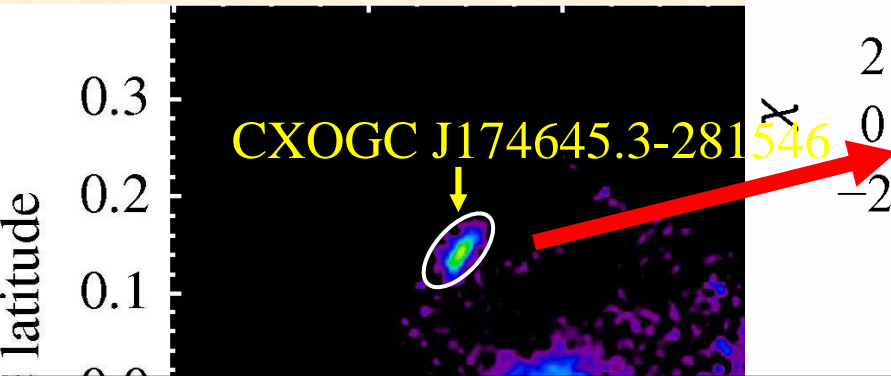
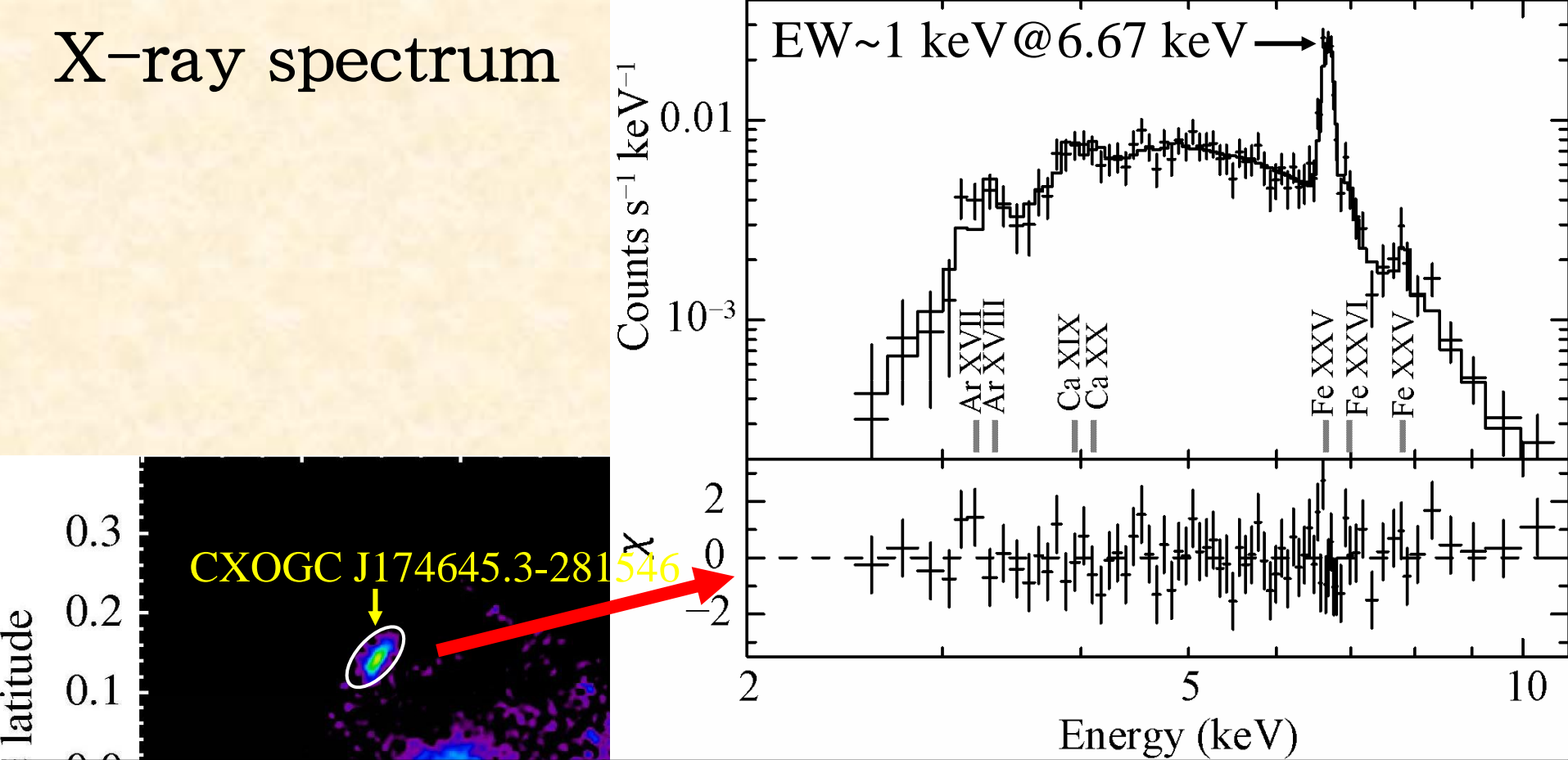
Suzaku X-ray spectroscopy of a peculiar hot star near the Galactic center (#45)

Yoshiaki Hyodo (Kyoto Univ.)

Collaborators: Masahiro Tsujimoto², Katsuji Koyama¹, Shogo Nishiyama³,
Tetsuya Nagata¹, Itsuki Sakon⁴, Hiroshi Murakami⁵, and Hironori Matsumoto¹
1.Kyoto Univ. 2.Penn. State Univ. 3.NAOJ 4.Tokyo Univ. 5.ISAS/JAXA



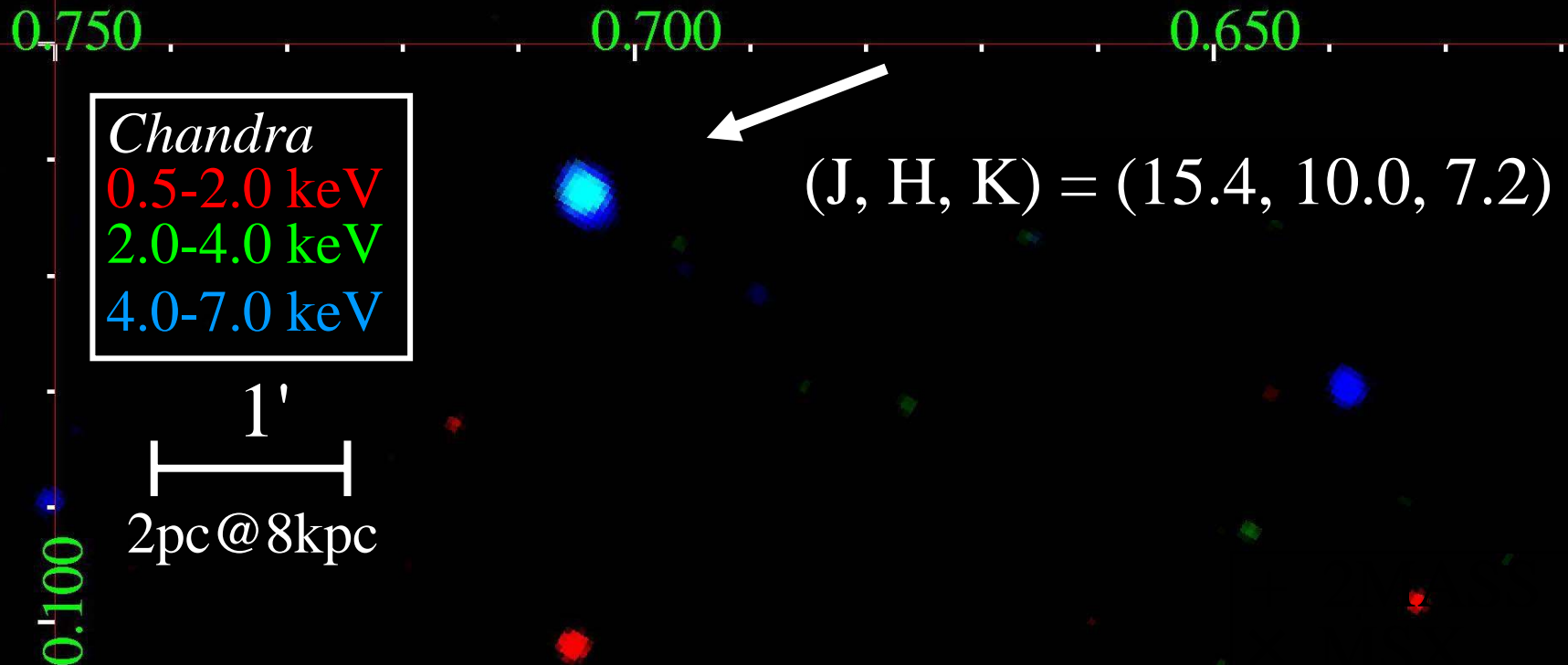
X-ray spectrum



	$N_{\text{H}} (10^{23} \text{cm}^{-2})$	kT_e (keV)	Z_{Fe} (solar)	$L_{\text{X}} (10^{34} \text{erg/s})$
Hyodo's source	2.4 ± 0.2	3.8 ± 0.5	0.8 ± 0.1	4 (@8kpc)
η Car	1.5 ± 1.0	4.6 ± 0.1	0.6 ± 0.02	12

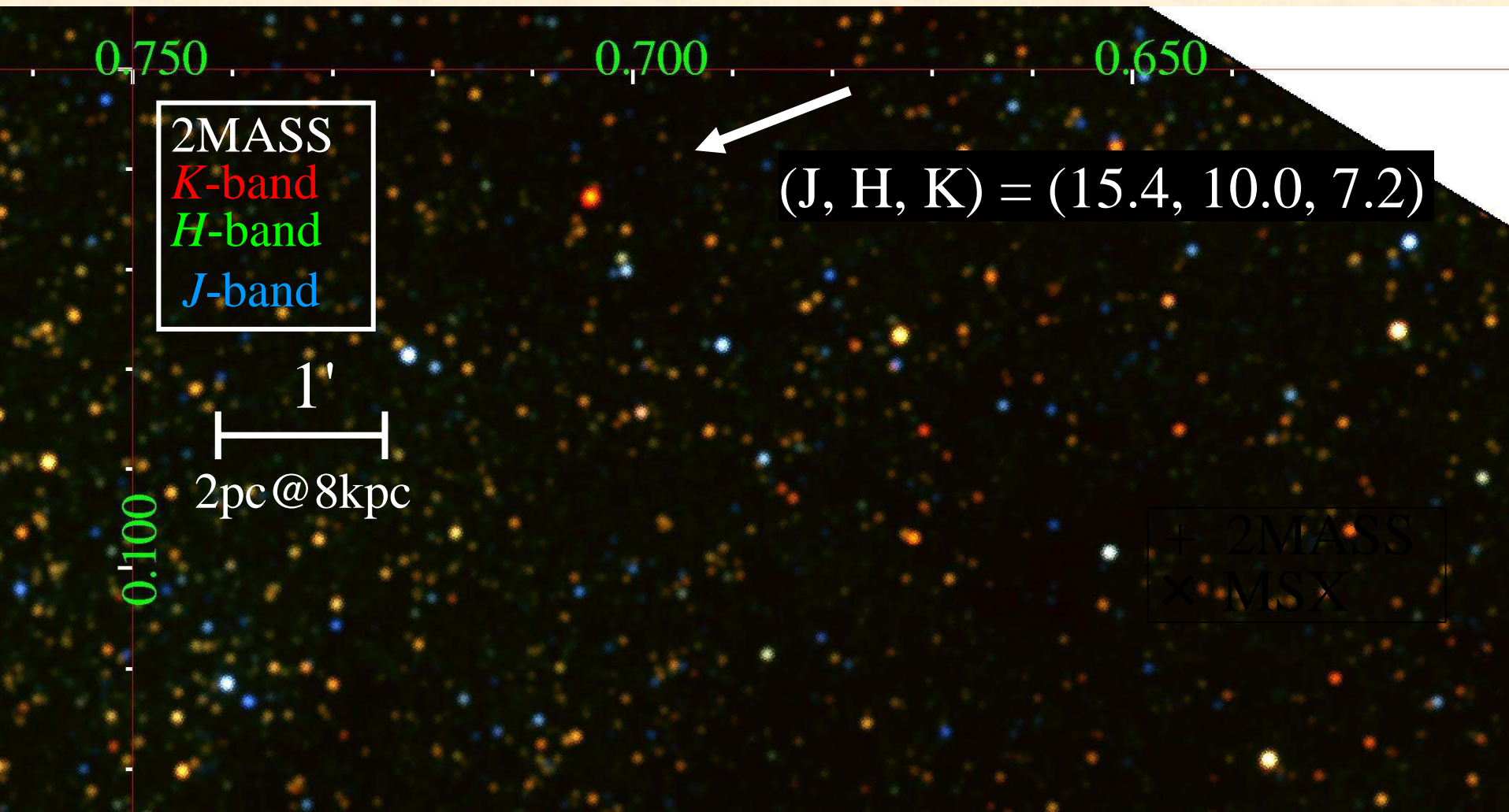


Near- and mid- infrared photometry



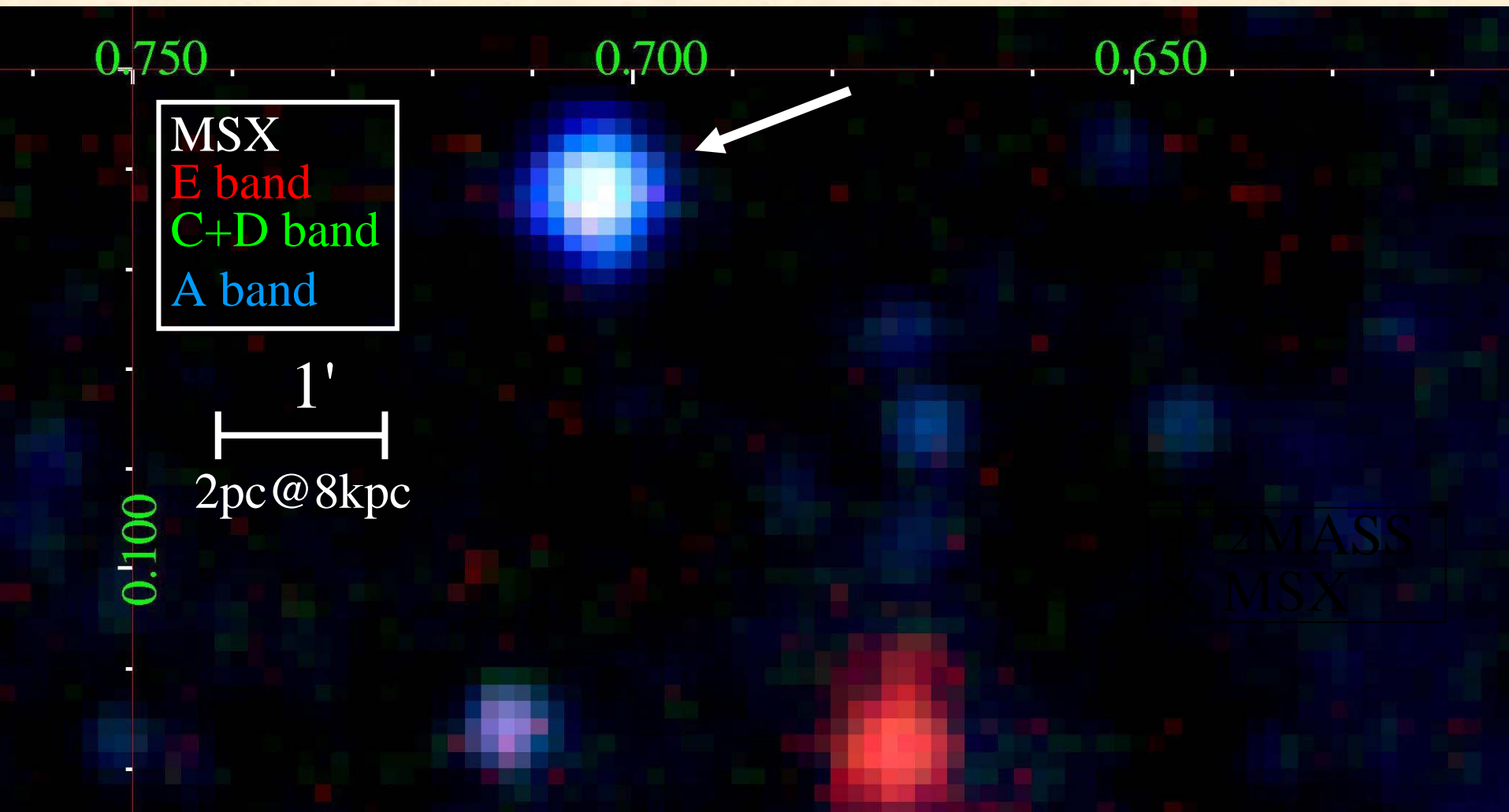
Near- and mid- infrared photometry

- Counterpart in the near-IR band (2MASS)

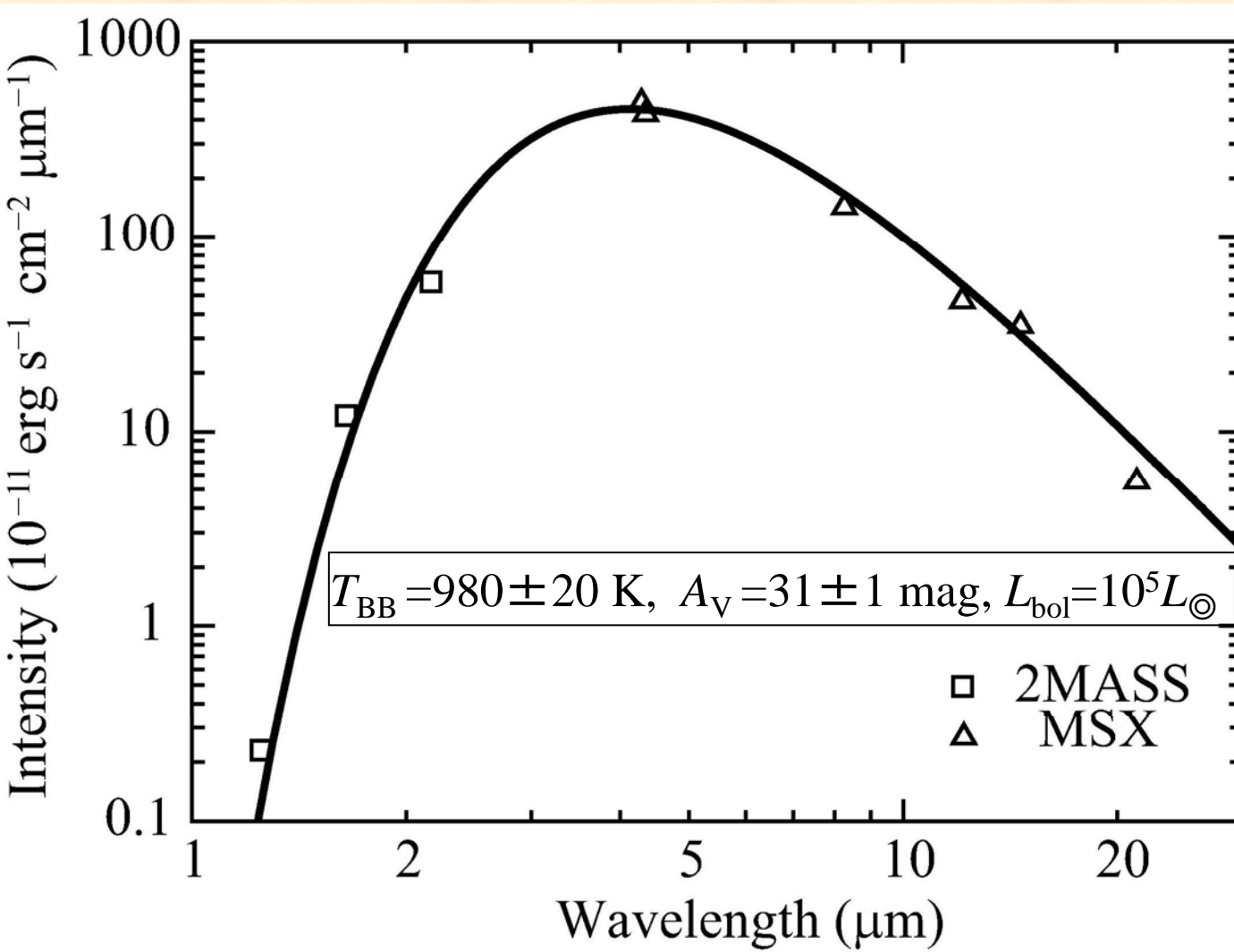


Near- and mid- infrared photometry

- Counterpart in the near-IR band (2MASS)
- Also very luminous in the mid-IR bands (~ 30 Jy)

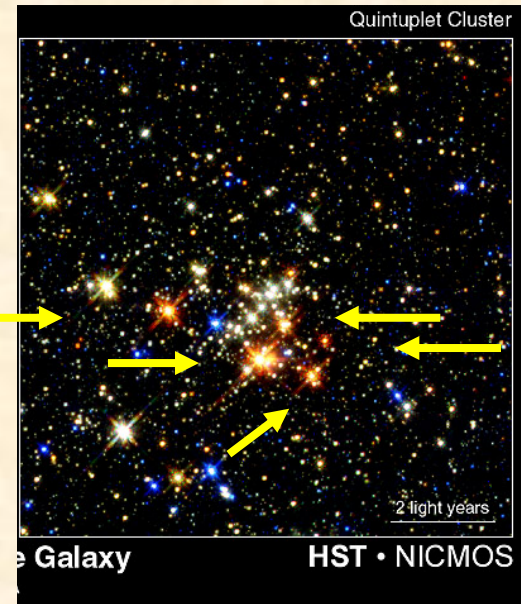
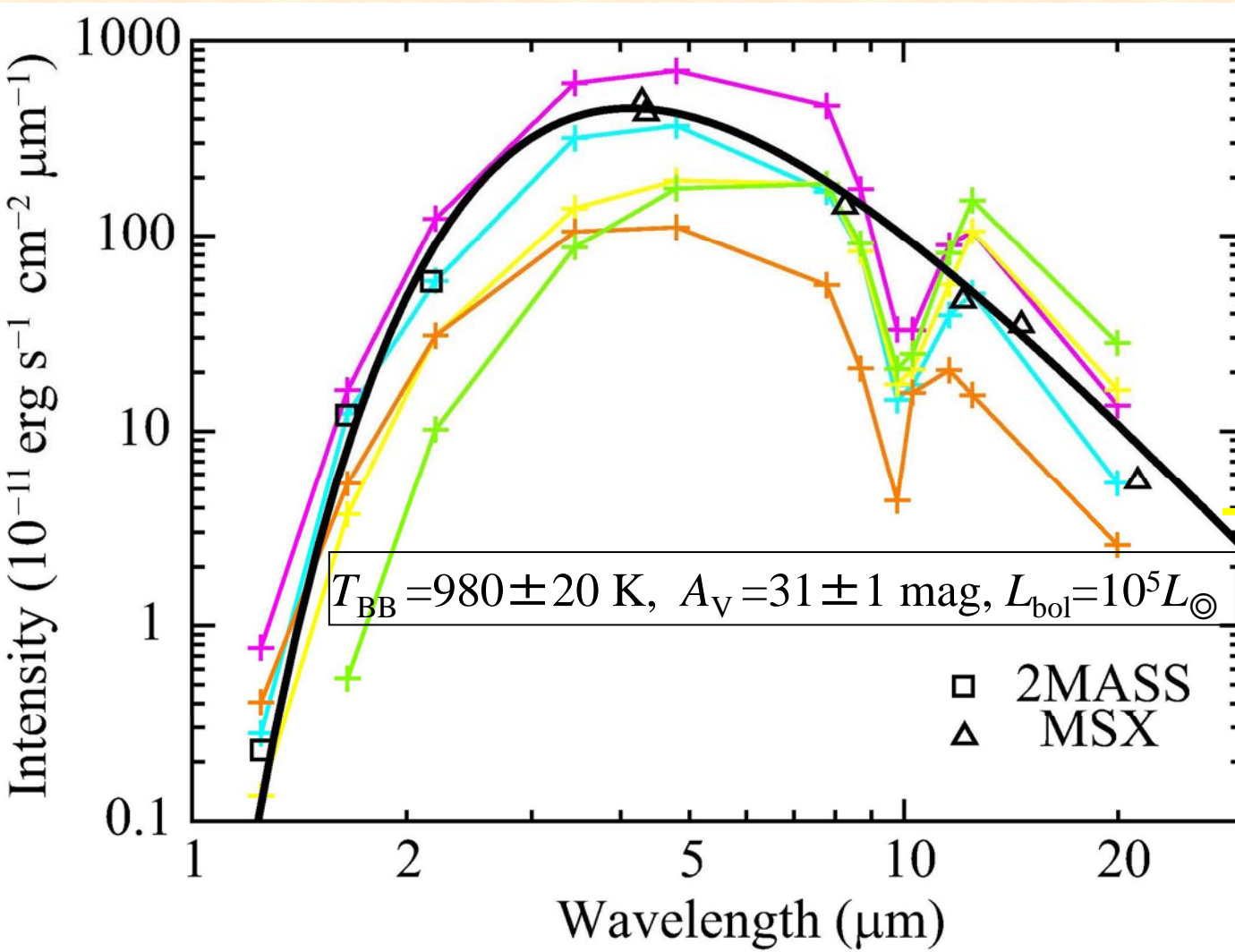


SED in the IR bands



SED in the IR bands

The SED is very similar to those of the eponymous Quintuplet cluster members (DWCL).



Figer et al. 1999

Cartoon of the source system

