On-going imaging calibration

OSA vde8+ntc

OSA fixgw

vde8+ntc cleaned by GL M2 model

On-going imaging calibration

FRB 121102 news

Radio and optical FRB 121102 counterparts (Chatterjee et al., Nature, 541, 58–61, 2017).

- 04/16 : FRB121102 also detected at Nancay !
- 11/16 : FRB γ-ray counterpart observed by Swift (FRB 131104).
- 01/17 : Detection of FRB121102 optical (Gemini) and radio (VLA) counterpart (pos. known within 20’’).

γ-ray/ NIR polarimetric joint observations (1/2)

V 404 Cygni polarisation (γ-ray vs optical/NIR)

PF = 4% →

θ = 171° →

INTEGRAL/IBIS
June 2015 (1555, 149 ks of data) :
$\Theta = 160 \pm 15°$
$PF = 95 \pm 35$ %

- INTEGRAL : detection only during rev. 1555 (MJD 57193 – 57195).
  detailed temporal evolution study on going …
- NIR : no detection at MJD 57193.5 – 57193.7 and 57194.5 – 57194.7 (Tanaka et al., 2017), but detection at MJD 57197.1 – 57197.2 (Shahbaz et al. 2016, θ = 171°)

⇒ Highly variable jet !

γ-ray/ NIR polarimetric joint observations (2/2)

- We have begun a collaboration with Hiroshima University (Kanata telescope with NIR and optical polarimeter) ⇒ joint proposal to INTEGRAL AO-15 for the follow-up of bright X-ray transients polarization.

- We have also contact to make, in the future, joint NIR and Optical polarimetric observation with SUBARU (8,2 m telescope at Hawaï).

THANK YOU !

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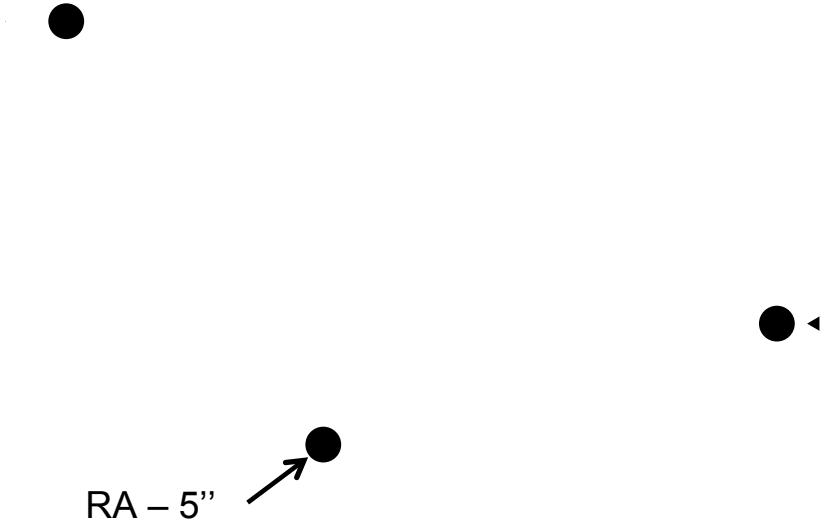
Crab No Crab

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