iWF-MAXI
(iSEEP Wide-Field MAXI)

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on behalf of iWF-MAXI collaboration
(PI: Nobu Kawai)
GW observatories will be ready in the late 2010’s.

- Simultaneous detection (within msecs)
- Detection confidence
- Sky location
- Source polarization
- Verify light speed propagation

However, poor localization (> a few deg)

iWF-MAXI

- Finer localization (~0.1deg)
- Identify electromagnetic counterpart
GW candidate = short GRB

- One of the most probable GW source
- with a *soft extended* emission

Soft X-ray band is important!!
iWF-MAXI

Energy range: \(0.7 \text{ keV} \sim 10\text{keV}\)

FoV: \(\sim 25\% \text{ of the entire sky}\)

Localization: \(0.1 \text{ deg}\)

ISS/JEM payload

Operation: 2018 (TBD)~

"i" stands for iSEEP

✓ Medium-size bus for JEM
Good NEWS !!

• We submitted our proposal of iWF-MAXI to “Small-size Project 2015” by ISAS in Feb. 2015

• iWF-MAXI has been RECOMMENDED for implementation as an ISAS project by the Steering Committee for Space Science of Japan in June 2015 !!

• Waiting for ISAS decision for starting the iWF-MAXI project

Please also see my another poster (GRB20) “High-energy non-thermal & thermal emission of GRB141207A” by M. A.