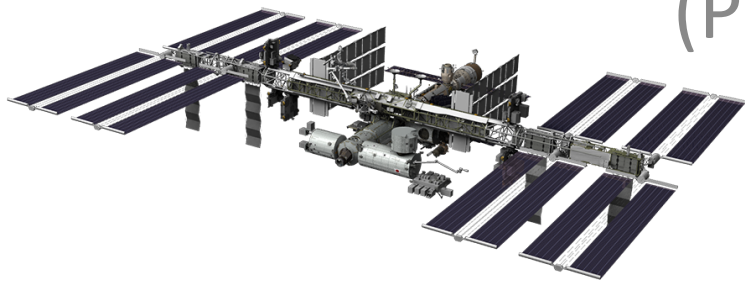
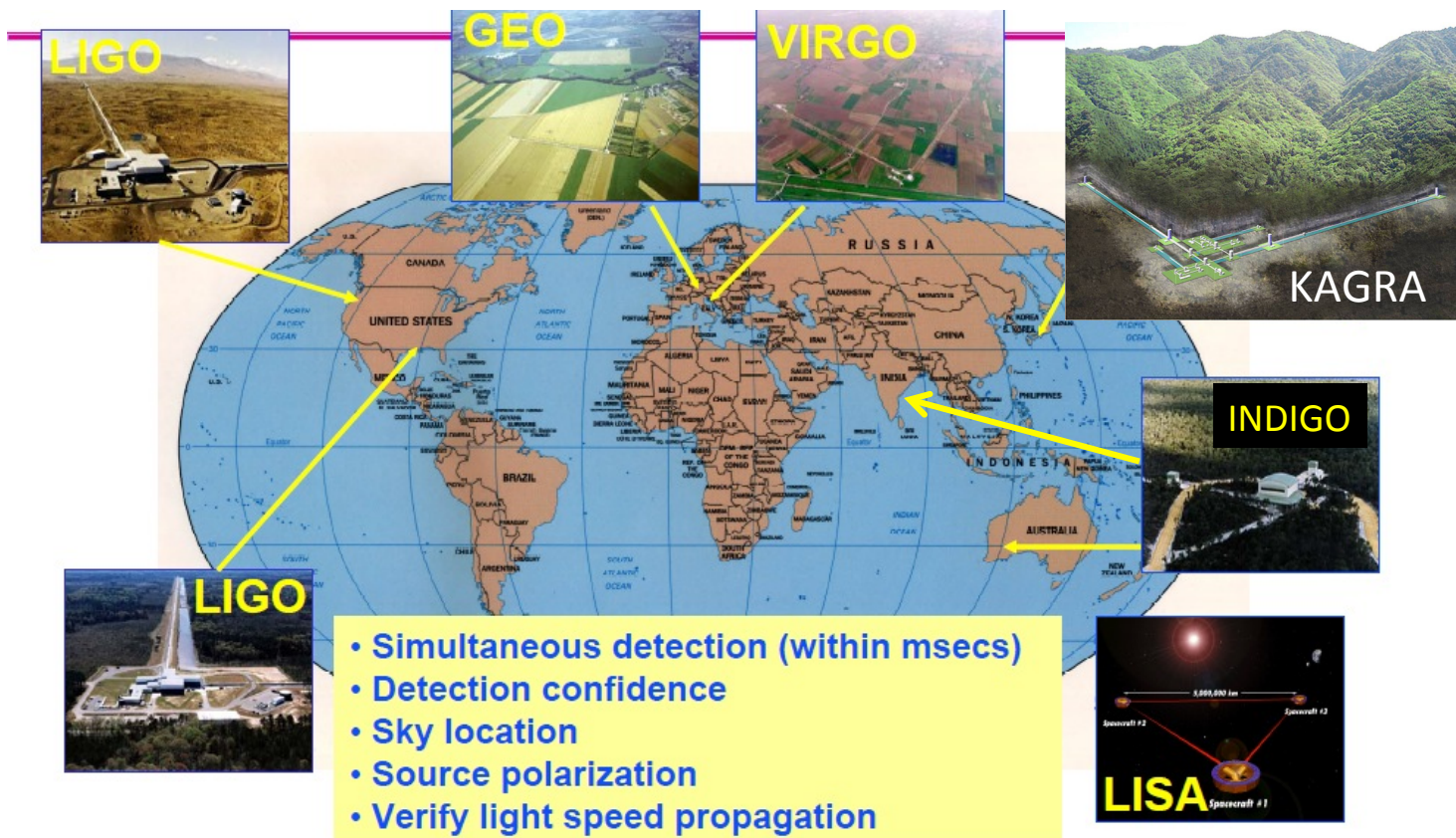


iWF-MAXI
(iSEEP **W**ide-**F**ield **M**AXI)

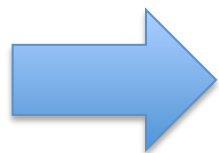
Makoto Arimoto (Tokyo Tech)
on behalf of iWF-MAXI collaboration
(PI: Nobu Kawai)



GW observatories will be ready in the late 2010's.



However, poor localization (> a few deg)

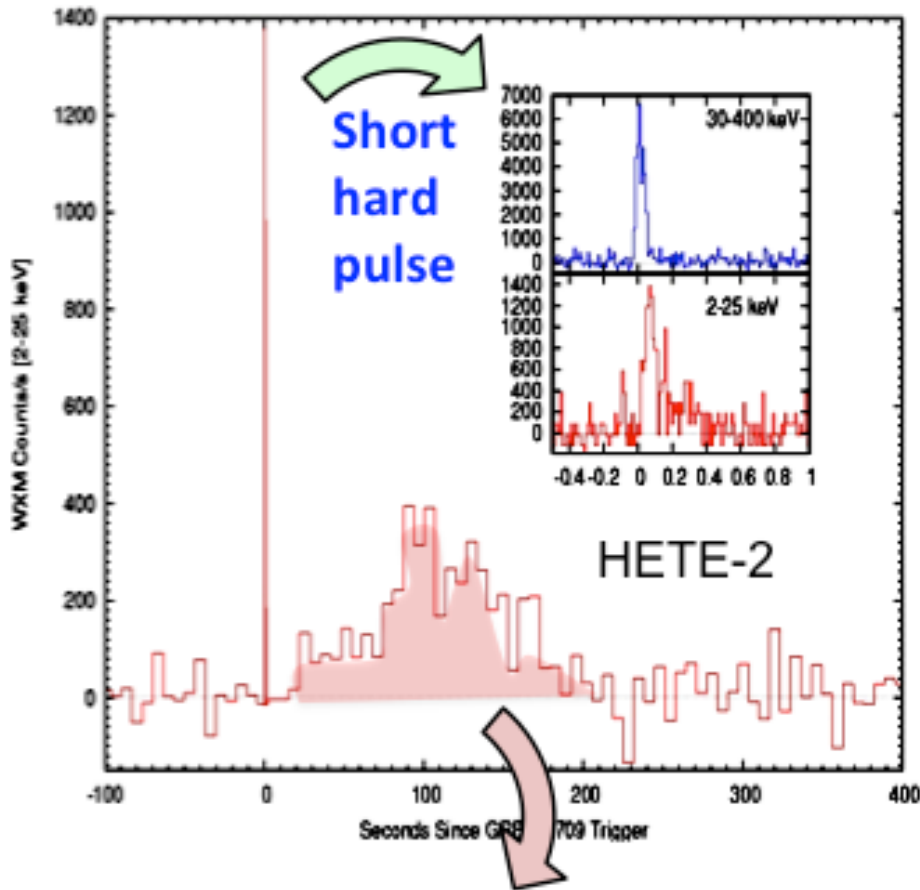


iWF-MAXI

- Finer localization (~ 0.1 deg)
- Identify electromagnetic counterpart

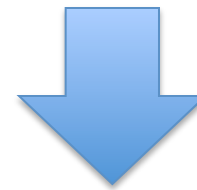
GW candidate = short GRB

Villasenor et al. 2005



soft extended emission
at a few keV

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



Soft X-ray band is important !!

iWF-MAXI

Energy range: **0.7 keV ~ 10keV**

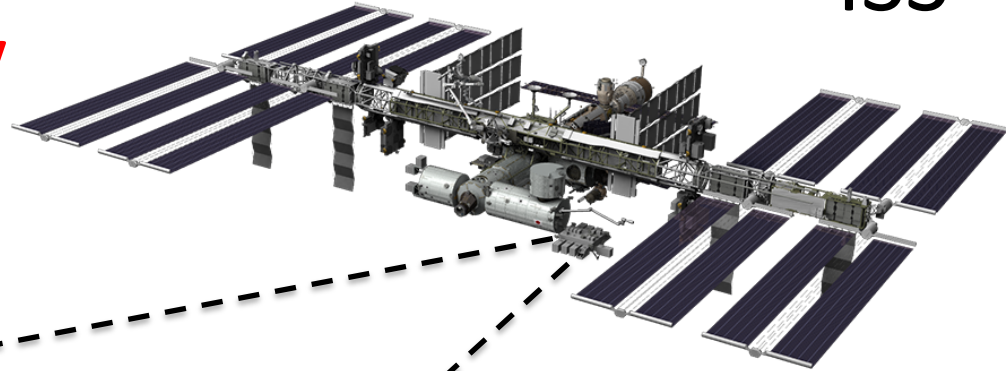
FoV: **~25% of the entire sky**

Localization: **0.1 deg**

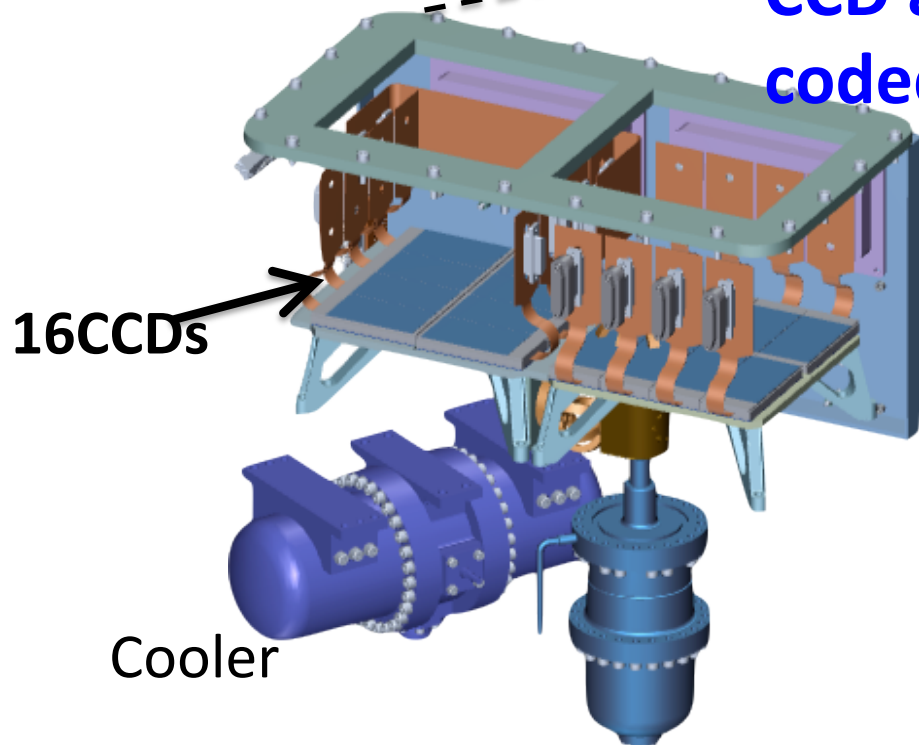
ISS/JEM payload

Operation: 2018 (TBD) ~

ISS



CCD arrays with coded masks



“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.