# ET meeting, ELiTES meeting, and GWADW 2014

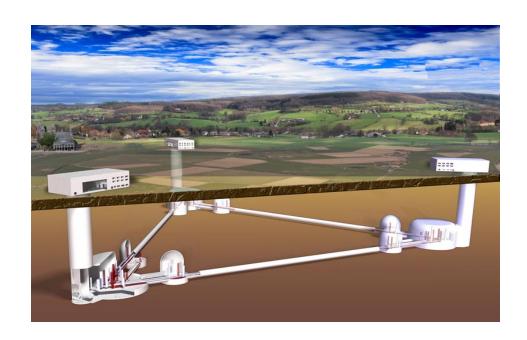
2013.12.10 KAGRA International meeting

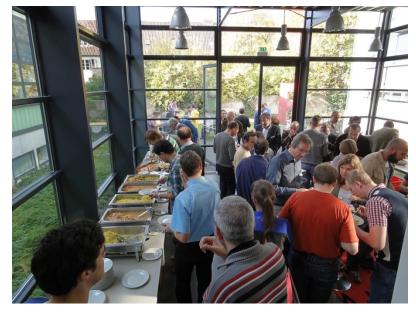
Tokyo Institute of Technology
Kentaro Somiya



### the 5th ET meeting

- 2013.10.22-23 at AEI Hannover
- ET = Einstein Telescope (European 3G GW detector)
- 80 participants mainly from Europe
- 6 participants from KAGRA
- Discussions of budget, science, thermal noise, etc.



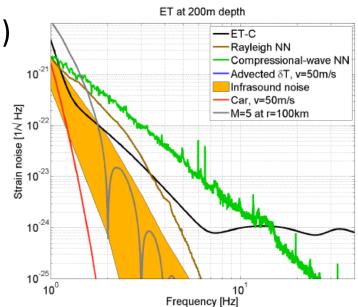


#### **Some interesting topics**

- Horizon 2020 (22B Euro for science) is a possible resource for ET
- Maselli introduced the works of Yagi and Kyutoku in the science session
- Gravity gradient noise of earth quakes could appear in the ET spectrum (Harms)
- Someone introduced a Spaghetti fiber to Yamamoto
- Si shows low absorption (4ppm/cm) but no temperature dependence



Horizon 2020 is an EU framework program for research and innovation



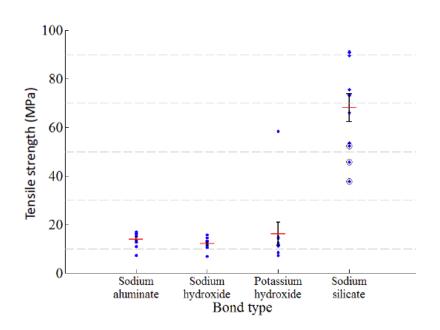
### the 2nd ELiTES meeting

- 2013.12.4-5 at EU delegation and UT Sanjo hall
- ELiTES = ET-LCGT interferometer Telescope Exchange of Scientists (mainly on cryogenics)
- ELiTES is a 4 year project ('12-15) and is the matching project of the JSPS Core-to-core program ('13-17)



### **Discussions in the ELiTES meeting**

- Discussions about the environmental sensors for KAGRA
- Reports of the ELiTES activity at ICRR
   [ELiTES long-term visitors in Nov-Dec: K.Agatsuma, G.Bergmann, R.Douglas,
   M.Hanke, K.Haughian, J.v.Heijningen, J.Komma]
- Results of Sapphire measurements (bonding, loss, conductivity)
- Cryogenic blade springs
- Cryostat vibration issues



## **Preparation of GWADW 2014**

- GWADW (GW advanced detector workshop) is held at Takayama,
   Gifu in 2014.5.25-30
- Program has been arranged by SOC
  - KAGRA tour on Tuesday and Thursday
  - talks and poster sessions
- Website will be open soon
- Local organizers (LOC):
   Kuroda, Ohishi, Somiya, Tatsumi

