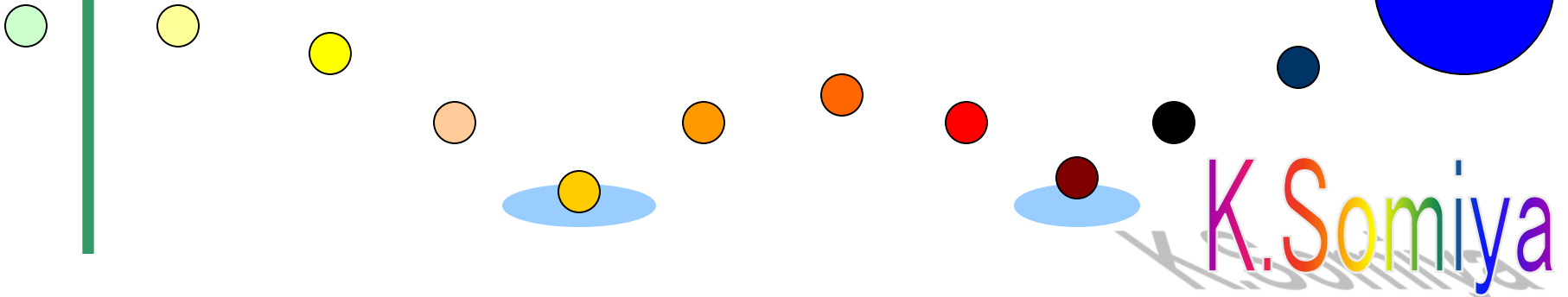


ELiTES activity report

LCGT f2f meeting
Feb. 2013

Tokyo Inst of Technology
Kentaro Somiya



Purpose of the program

ELiTES = ET-LCGT Interferometric Telescopes Exchange of Scientists

- Exchange of knowledge for the 2.5-3G GW detectors
(mainly for the thermal noise study in a cryogenic system)
- Exchange of young researchers

Project Coordinator = Michele Punturo (ET)

Japanese Coordinator = Kazuaki Kuroda (ICRR)

WP1 : Suspension system (ch. Majorana)

WP2 : Cryogenic mirrors (ch. Nawrodt)

WP3 : Cooling system (ch. Somiya)

ET Members are from

EGO, Rome, Jena, Glasgow, NIKHEF, AEI, U Sannio, and UWS

Resource

For ET researchers

ELiTES funding supports the travel (¥~6M/y)

For KAGRA researchers

FY 2012: JPN-GER bilateral program only (¥2.5M/y)

Some students got supports from the university

FY 2013: Core-to-core program proposal accepted!!

(¥several M/y)

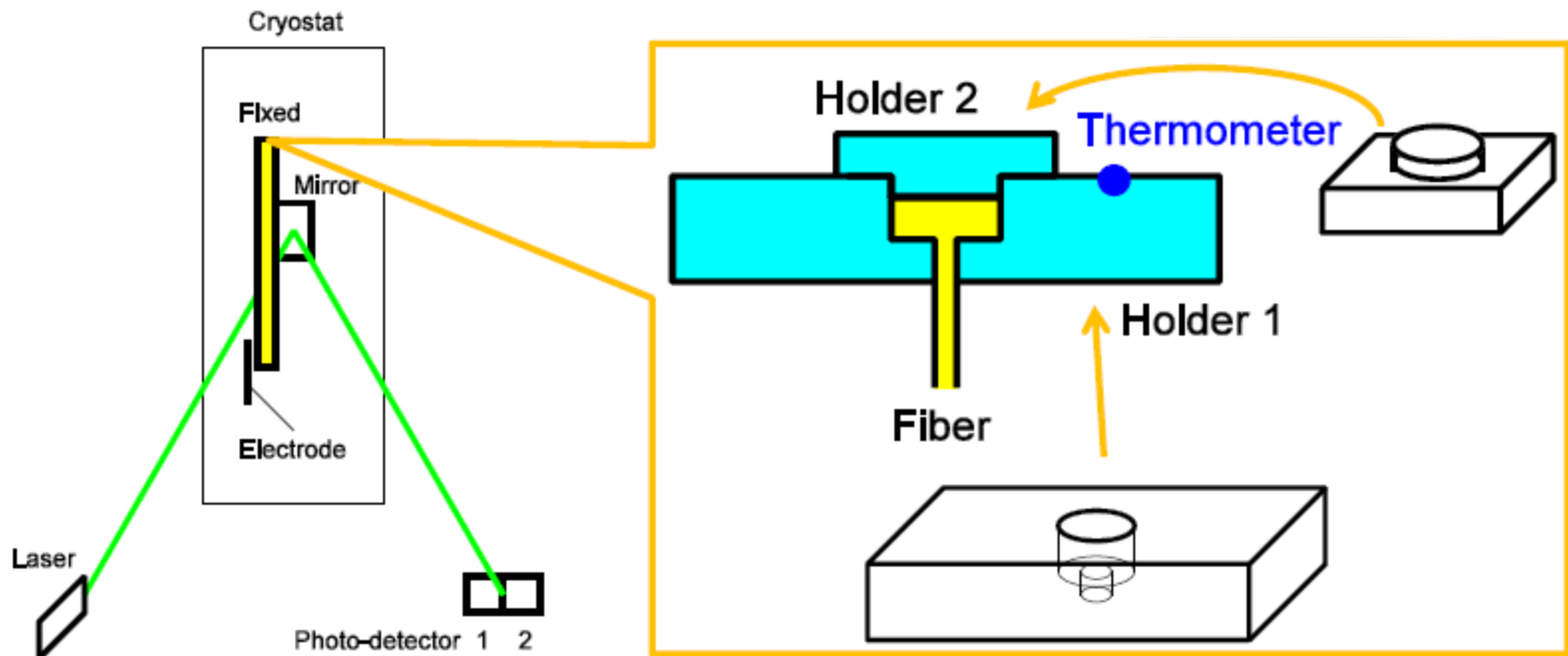
Activity 2012

- Long-term Visitors to Japan
R.Nawrodt, J.Komma, P.Murray, K.Craig, L.Naticchioni, etc.
- Long-term Visitors from Japan
Y.Sakakibara, T.Sekiguchi, A.Shoda, S,Ueda, N.Saito, etc.
- Thermal noise workshop in Jena
- 1st ELiTES meeting in Tokyo
- ET meeting at Hannover
K.Kuroda, K.Yamamoto, E.Hirose,
Y.Sakakibara, N.Saito, K.Somiya



Yusuke's research at Jena/Glasgow

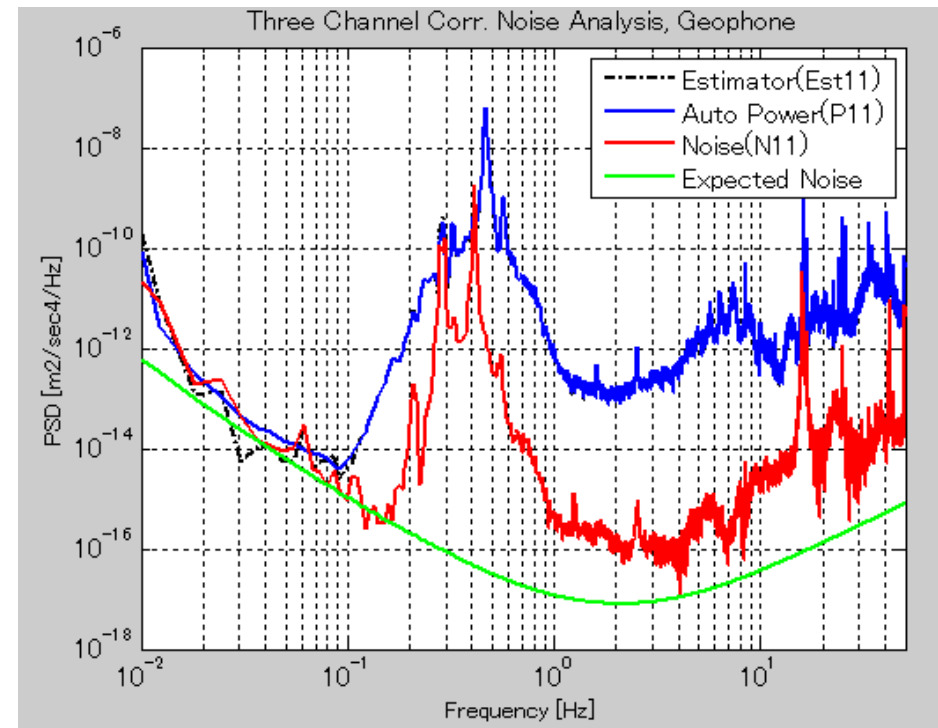
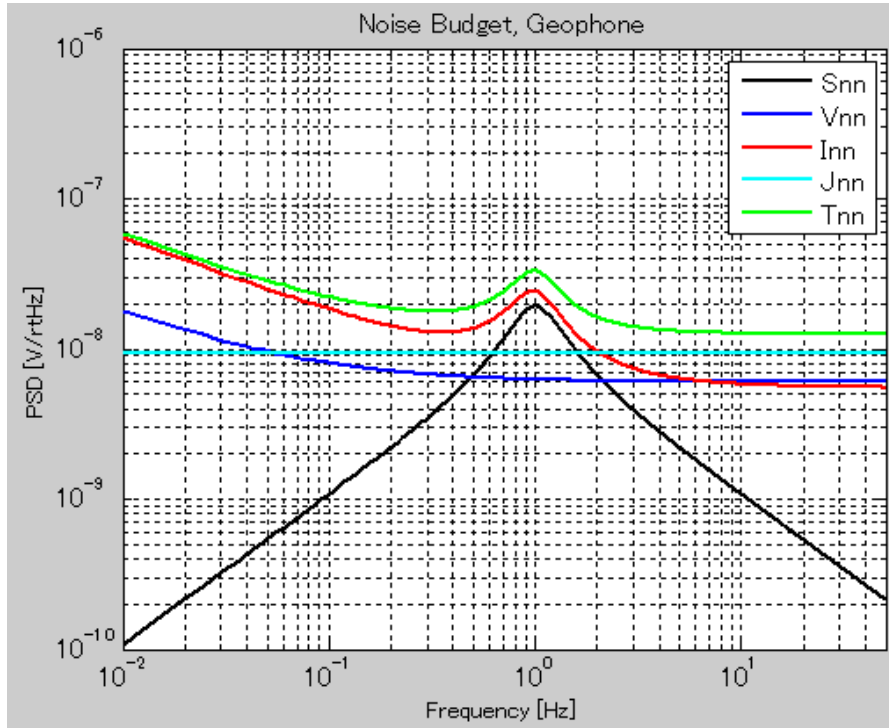
see JGWdoc-G1301473



Mechanical loss measurement of Sapphire fibers/disks.

Takanori's research at NIKHEF

see JGWdoc-G1301487



Geophone noise modeling and measurements.

Collaborations on cryogenic payload

see Kazuhiro's talk tomorrow

- Fiber bonding test in Glasgow
 - Mechanical loss measurement in Jena
- etc.



Planned activities 2013

- Thermal noise workshop II
~ TBD
- 2nd ELiTES meeting in Tokyo
~ probably in October 2013
- ET meeting in Lyon or Budapest
~ probably in December 2013