Summary of the 18th F2F@ Tokyo Tech

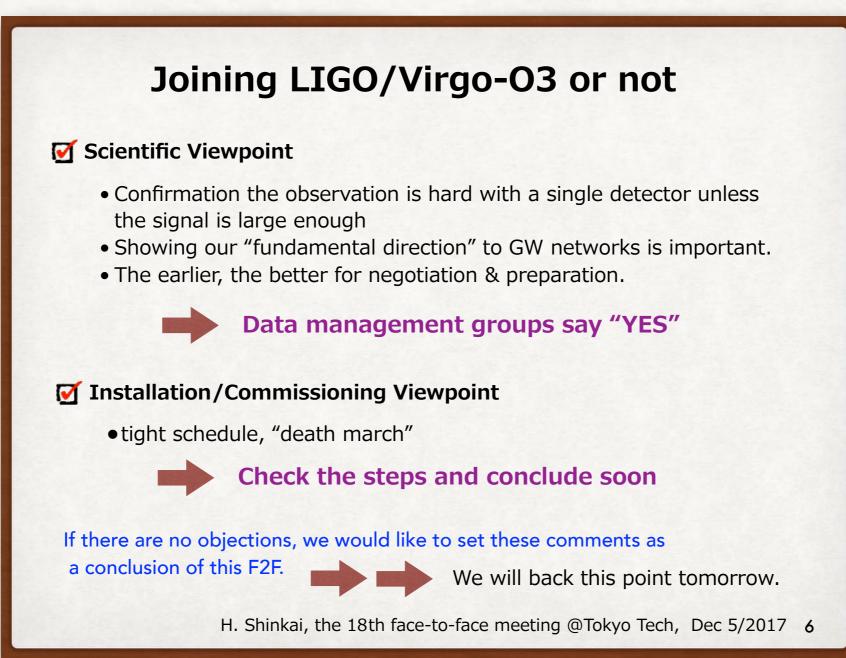
iKAGRA phase-1 operation

- Installation, integration and commissioning are on schedule. "well done"
- Phase-1 operation will start in April 2018, and will finish no later than the end of May 6.
- Phase-2 starts on May 7.
- Write a full author paper at the end of phase-1 as a milestone of our achievements. (Details would be supposed to be prepared as separate papers by each subgroup).
- KSC boards will collect comments on the plans for the paper, and decide the **paper-writing team** by the end of Jan 2018. The paper-writing team will provide baselines on deciding the content of paper, target journal, etc.
- In order to accelerate the editing procedure, the board proposes to use wiki (closed within collaboration) for collecting comments.

Summary of this F2F (2)

Roadmap to phase-2/3

Join to LIGO/Virgo O3 run ? (2018-2019, at least its late phase)



Summary of this F2F (3)

Establishing Theory/Multi-messenger groups under KSC

Main Tasks: Theory (or Theoretical Astrophysics) group

(a)contribute to analysis (interpretations, alternative possibilities, …) 観測データに対する解釈・可能性の議論 (b)suggestions to new scientific projects of KAGRA KAGRAを用いた新たな科学的成果獲得への具体的な提言 (c)feasibility discussions of KAGRA future plans KAGRA将来計画についての実験側・解析側との意見交換 (d)promote gravitational wave physics

重力波物理学の推進

Main Tasks: Multi-Messenger (or Obs. Astronomy) group

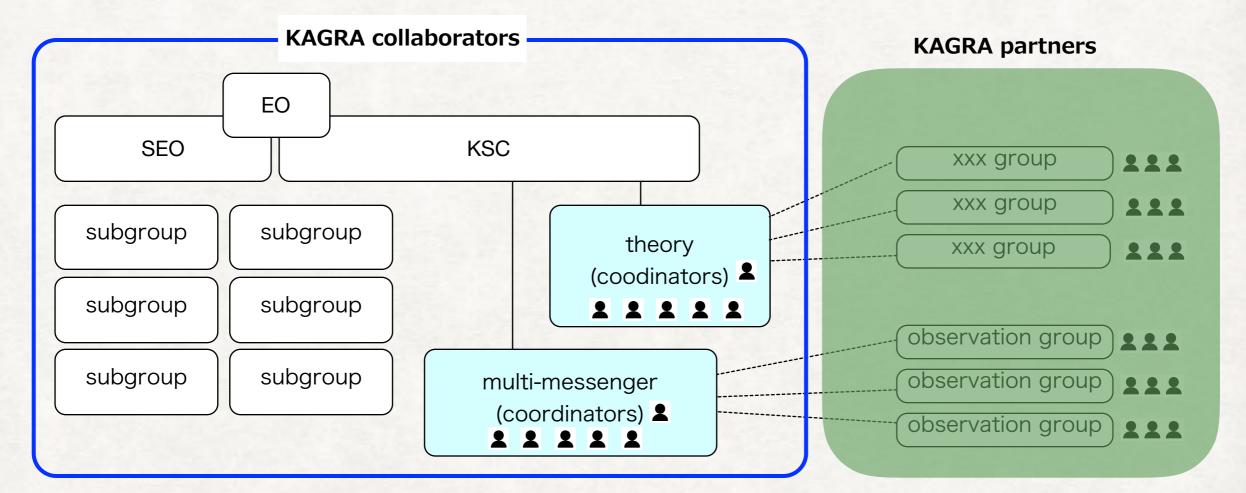
(a)maintain the alert system アラート体制の確立・維持 (b) connections to observational groups 天文観測グループとの情報共有 (c)feasibility discussions of KAGRA future plans KAGRA将来計画についての実験側・解析側との意見交換 (d)promote multi-messenger science マルチメッセンジャー科学の推進

H. Shinkai, the 18th face-to-face meeting @Tokyo Tech, Dec 5/2017 3

Basic idea is accepted. Worth trying to start. (Note that we received a comment, "we do not need a theory group".) H. Shinkai, the 18th face-to-face meeting @Tokyo Tech, Dec 6/2017 3

Summary of this F2F (4)

Establishing Theory/Multi-messenger groups under KSC (cont.)



Need to clarify the definition of KAGRA partners. => Next F2F

Start calling members who are interested in joining to new group within us.

Summary of this F2F (5)

Poster Session

- Originally planned for thesis session. But many younger researchers made presentations, than we expected.
- The session helps to promote our researches, to provide a chance of presentation, to know each other, .
- Young researchers' group proposes to hold this style at F2F, and also proposes to set "the award".



Summary of this F2F (6)

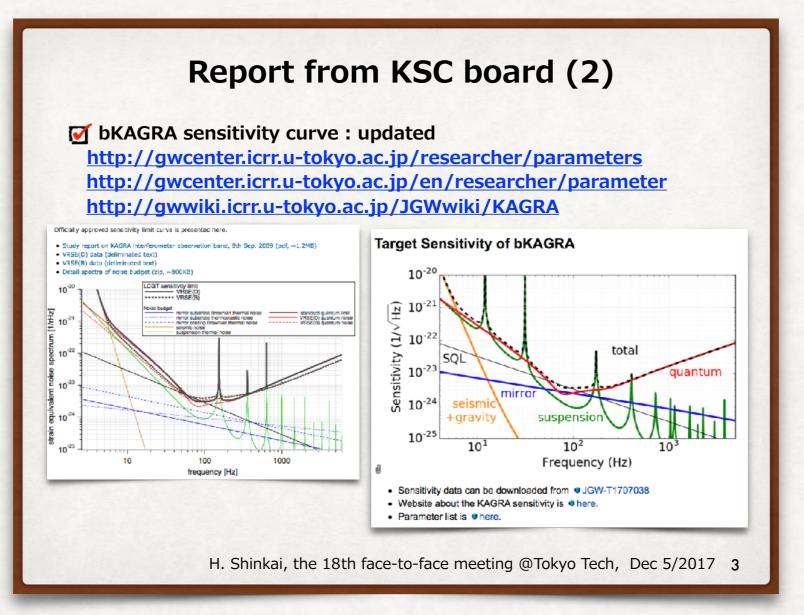
Two invited talks

- New Innovative area Gravitational wave physics and astronomy: Genesis (PI: Takahiro Tanaka)
- Grant-in-Aid for Scientific Research (S)
 Calibration Standard and High-Precision Data Analysis toward the
 Observational Era of Gravitational Waves (PI: Nobuyuki Kanda)

New Member/New group

- Wenbiao Han, Shanghai Astronomical Observatory
- Sang-Hyeon Ahn & YoungBok Bae @ KASI

Note from the KSC board Sensitivity Curve



The official sensitivity curve(s) should not include the sensitivity below 10Hz. memo of EO meeting (Aug. 7, 2017)

change the total-sensitivity line below 10 Hz to a dotted line. add in the web: "KAGRA is designed to use data in observations above 10 Hz."

List of requests to you (1)

Commissioning (Miyakawa)

If you conduct a commision, join to the commissioning mailing list, gokagra.

JGW-G1707493: KAGRA commissioning work Start a bug report system, **Bugzilla**.

JGW-G1707499: DGS and AEL status

Diversity Committee (Kokeyama)

If you plan to join the activities, contact one of the committee members. K. Kokeyama (ICRR) [chair], H. Shinkai (ICRR), C. Kim (KASI), J. M. Fedrow (Kyoto U.) K. Sakai (Nagaoka U. Tech.)

JGW-G1707505: Activity report from the KSC diversity committee

<u>Proposal of Poster Awards & Travel support for young researchers (Inoue)</u> Comments welcome to kscpostdoc@icrr.u-tokyo.ac.jp, kscstudent@icrr.u-tokyo.ac.jp JGW-G1707504: KSC_poster_Session

List of requests to you (2)

Updating DetChar tools (Hayama)

Python programmer wanted.

JGW-G1707517: DET status at F2F meeting at Titech, 2017

How to lower the barriers for working at the Kamioka site (Aso) Comments, proposals, & ideas to Aso-san.

JGW-G1707503: How to lower the barrier for site works

List of requests to you (3)

To be mailed soon the details with the following deadlines

by Dec 31 : Phase-1 paper writer volunteers

JGW-M1707473: Review of the iKAGRA Paper Writing Process

b by Dec 31 : calling new subgroup (network) members (Theory or Multi-messenger) from KAGRA collaborators

JGW-G1707466: Establishing Theory/Multi-messenger groups

KSC member check

JGW-M1706134: KSC member list JGW-M1504017: Society Regulations of KAGRA Scientific Congress

(1)One congress member from each institute

(2)In addition to the above rule, one congress member per 4 KAGRA collaborators in each institute.

Our Next Schedule

April-May 2018: bKAGRA phase-1 operation

May 18(Fri)-20(Sun):

19th Face-to-Face meeting @ Osaka City University

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June 29(Fri)-30(Sat):
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4th KAGRA International Workshop @ KASI, Daejoen, Korea

KSC board accepts proposals for satellite meeting on June 28 or July 1

Late August:

20th Face-to-Face meeting @ Toyama University

Many thanks to

LOC, Somiya-san & Tokyo Tech members for hosting this F2F Talkers, Poster presenters