

## Minutes of the 16th KAGRA Face to Face Meeting (Mar 28-30, 2017)

Program: <http://gwwiki.icrr.u-tokyo.ac.jp/JGWwiki/LCGT/Meeting/f2f/2017March>

JGWDoc: <http://gwdoc.icrr.u-tokyo.ac.jp/cgi-bin/private/DocDB/DisplayMeeting?conferenceid=1>

- **Report from the Committee of Publication Control ([JGW-G1706404](#))**
  - Procedure to decide "collaboration open data" was established.
  - Two working groups to discuss (1) author list in proceedings and presentations, and (2) definition of "KAGRA data" has started.
  - The CPC rules on JGWdoc should be updated soon to include the rules on thesis.
- **Report from the Document and Drawings task force ([JGW-G1706396](#))**
  - There was a comment that D&D should not dissolve until more documents and drawings are uploaded to JGWDoc (60% is not enough).
- **New people**
  - Approved that people from Chunglee Kim group at KASI and people from Guo-Chin Liu group at Tamkang University join the KAGRA Collaboration.
  - They will join the DAS group.
- **KSC session ([JGW-G1706409](#))**
  - Advisory committee for amendment of the KSC board election rules ([JGW-G1706405](#))
    - There was a suggestion from the committee that we have to clarify the roles of the KSC Board member first to make a constructive amendment.
    - The name "Board" might not be good if the Board does not have the right to make decision. If so, "Moderators" of the discussion fits better. We have to consider what are the advantages of being a board member.
    - Please send ideas for the new election rules to K. Kokeyama.
  - Working group for the definition of KAGRA data

- WG recommends that categorization of publications should be based on scientific results, instead of data.
- But how can we define "scientific" or not?
- What is the difference if we modify to use short author lists for R&D papers using KAGRA data?
- If the data used in the paper is "collaboration open data," the paper can be a short author list paper.
- WG should clarify the procedure if we adopt their new idea, and make some examples to compare data driven rule and scientific result driven rule.
- Working group for the author list policy in CPC rules
  - Data analysis group always use h(t), but they don't always want to use full author list (e.g. JPS meetings).
  - Full author list papers are important to acknowledge teamwork.
  - It seems like many people think "single author on behalf of the KAGRA Collaboration" format is not always acceptable.
  - WG will continue the discussion on how to allow papers and presentations with "multiple authors on behalf of the KAGRA Collaboration."
- Open data request from the tilt sensor paper authors
  - Particular data set is MCE optical lever and tilt sensor data in February 2017 (see [kagra 01522] for details).
  - The request was approved by KSC by vote.
  - Every KAGRA collaborators can use the specified data for short author list papers.
- Authorship for R&D and theory groups ([JGW-G1706393](#))
  - Continue the discussion on how to authorize them.
- iKAGRA paper author list ([JGW-G1706397](#))
  - Editors want to include people who are not in the current default author list but have contributions in the past.
- Items which cannot be addressed
  - KSC in the organization chart
  - Volunteer committee for diversity
- Suggestions for KSC session

- It might be difficult for students to follow the KSC discussion.
- Circulate F2F agenda earlier.
- Have discussions also in the KSC mailing list (we do not have the mailing list yet).
- **Informal session for students and young researchers**  
([JGW-G1706390](#))
  - Concerns from students:
    - KAGRA research during master/PhD course might not be a good science work.
    - Considering the time limit of the master/PhD course, delay of the KAGRA schedule directly affect theses and the schedule is uncontrollable by students.
    - No good example of PhD thesis on KAGRA work at Kamioka yet.
    - Research topics available for theses are not visible from outside.
    - Supervisors (Profs and Associate Profs) do not really know the actual tasks and research topics at the site and they are the ones who assign students for tasks.
    - Sending students to institutes with no postdocs or elder students is not good for students. Sufficient education and support are indispensable.
    - There are too much miscellaneous works which are not directly related to the research topic.
    - Too much pressure to meet the deadlines. No try-and-errors, no time to go to conferences and workshops.
    - It is required to publish paper(s) to get a PhD in some universities. It might be tough to write papers in KAGRA.
    - Kamioka is just too tough to access.
  - Comments from young researchers:
    - Once KAGRA data is available, situation will change. Experimentalists can also do data analysis.
    - Thesis schedules are seriously taken into account.

- In LIGO, institutes such as Caltech work as places for education before sending students to the sites.
- Remember that we are building one of the most advanced detectors in the world; reasonable pressure is necessary.
- Good science is not always visible before actually working on KAGRA. It is also important to find a good topic for your thesis while you are working on KAGRA, and get most professional about the system.
- You do miscellaneous works for other people, but you also get a great deal of help from other people.
- Talking with people is good to learn things. Visit many places.
- Advantages of participation in KAGRA:
  - If you do PhD in KAGRA, you will be helped by many people. Everyone is serious about your work in KAGRA and that is very reassuring.
  - Kamioka is a good place to meet different kinds of people since many collaborators visit there. Also, you can get to know people from other fields such as SK.
- Some suggestions from students:
  - Make opportunities to talk with postdocs and elder students to seek research topics available for theses in F2F meetings and so on.
  - When seeking/calling/assigning students to work at the site, concrete tasks and research topics should be shown clearly to them so that they can know if they want to do it or not.
  - Make a publication rule which allows to put contributed students name (full author list paper is also OK for PhD requirements if contributions are clear).
  - Prepare KAGRA dormitory at Mozumi area for easier commute.
- Full author list or short author list:
  - Students actually cannot decide which is better since they do not know the selection process of jobs and funding.
  - Number of publications is one of the way to narrow down the candidates. Full author list papers will increase the

number of publications for everyone, so short author list papers are not always better.

- Next F2F Meetings:
  - We want to have similar sessions again.
  - We suggest supervisors to attend this session and hear opinions from students.
  - Please send ideas for topics or formats to K. Kokeyama or Y. Michimura.
- **iKAGRA run paper** ([JGW-G1706426](#))
  - Editors and authors are working to incorporate the comments and improve the title.
  - The updated draft will be circulated in April.
  - Survey for the target journal was taken. NIMPR: 0, RSI: 0, PRD: 7, CQG: 15, PTEP: 8.
  - Editors will suggest the target journal.
- **iKAGRA data analysis paper** ([JGW-G1706428](#))
  - There are some paper plans related with data analysis.
  - Some of them may be worth publication. However, in general for iKAGRA, data analysis group is concerned about the scientific impact.
- **LVK observation scenario paper** ([JGW-G1706414](#))
  - Extended the duration of the observations slightly from top-down requirement.
  - Under review process by CPC and assigned referees.
- **bKAGRA plan discussion**
  - Ideas for collecting manpower for commissioning?
    - Commissioning is not only for the optics but for the whole system. It will also be a good opportunity to encourage many people to contribute at Kamioka.
    - Use shift calls if you feel you need more manpower.
  - How to train people?
    - Period after bKAGRA Phase 1 can be a good opportunity.
    - Input mode cleaner for example can be used for training.
  - We need systematic commissioning plan beforehand.
  - Engineering runs including data analysis are also necessary.
- **KAGRA+** ([JGW-G1706398](#))

JGW-L1706435

- Integrated study of KAGRA+ is proposed from Advanced R&D group.
- Please contact K. Somiya if you are willing to be a volunteer for showing KAGRA+ plans.

*Written by Yuta Michimura on behalf of the KSC Board*