

# Steering Group Report

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# *Important events*

- **Science Council of Japan (SCJ)**
  - Previous Japanese Master Plan of Large Research Projects
    - <http://www.scj.go.jp/ja/info/kohyo/pdf/kohyo-21-t90-e2.pdf>
    - The BIG neutrino detector is shown at page 20.
  - **This year, SCI will update the Master Plan.** It is a good chance that we put the Hyper-K project in the master plan as a real project (not a conceptual project).
  - Call for proposals is expected in February 2013.
    - Roughly 200 projects will be pre-selected before June.
    - Among the 200 pre-selected projects, 25~30 projects are further selected by the end of 2013.
  - **The result will be an important input to “Roadmap of large scale research projects” to be released by MEXT in 2015.**
  - SCJ symposium for HEP/NP will be held on Friday, February 8th.
    - A talk will be presented by Yokoyama-san.

# Update of Neutrino Project for the SCJ proposal

- Previous proposals (2009):
  - We proposed either Hyper-K or Lq.Ar TPC@Okinoshima in equal footing as a big neutrino detector project.
  - J-PARC MR upgrade was in another proposal.
- **Updated New proposal (2013):**
  - Hyper-K is the primary option for a big neutrino detector.
  - J-PARC operation w/ (~1MW or higher) and a near detector construction in the same package.
    - KEK is also in the SCJ proposal because J-PARC high power operation is in the proposal for CP measurement in Hyper-K.

# Community (CRC) situation

- **NOTE: HEP has the high priority on ILC and a big neutrino detector.**
- Future plan of ICRR
  - Planning of the future plan is on going.
    - HK presentation was November 1, 2012.
- Japan CR community (CRC)
  - Planning of the future plan is on going.
    - HK presentation was on July 22, 2012.
    - Two days symposium was on Nov. 24 and 25, 2012.
    - In the symposium, the following subjects are also discussed.
      - unified project w/ the Liq.Ar group (KEK)
      - competition/complementarity with US/EU projects
      - status and plan for an operation organization, participation and role of Japanese universities
- **Endorsement and/or priority by the CRC will be sent to the Japan Science Council**

# Global discussions

- ICFA Neutrino panel
  - Under the ICFA, the neutrino panel (15 members: 5 America, 5 EU and 5 Asia) will be made to discuss the neutrino projects with an accelerator.
    - Shiozawa-san and Kobayashi-san are the members from Japan.
- In US, the Snowmass process is on-going,
- In Europe, the European strategy is on-going.

# Budget Request

- Budget request for Hyper-K is not well defined yet until the SCJ master plan and/or the MEXT roadmap will be fixed.
- Budget request for R&D (Photo-sensor, etc..) is under process.
- Submitted a proposal to Grant-in-Aid for Scientific Research on Innovative Area. (\$3M/5year)

# Talks

- Advertisement of the Hyper-K project to the world [after the last Hyper-K WG meeting in August]
  - Shiozawa @ NOW2012 (Sep. 2012)
  - Nakaya @ NNN12 (Oct. 2012)
  - Nakahata @ Lyon (Oct. 2012)
  - Minamino @ NuInt12 (Oct. 2012)
  - Nakaya @ UK workshop by Skype (Nov. 2012)
  - others?
    - Several Hyper-K photo-sensor R&D presentations.
  - Nakaya @ Japanese workshop “J-PARC Neutrino physics prospect” (Jan. 31st. 2013)
  - Yokoyama @ SCJ symposium [HEP] (Feb. 8th, 2013)
  - Nakaya @ NuTel 2013 workshop at Venice (March 13-15, 2013)
- We compile the talks in our homepage.
  - <http://www-sk.icrr.u-tokyo.ac.jp/indico/categoryDisplay.py?categId=46>
    - Please use it as your references.

# For realization of Hyper-K

- In Japan,
  - Science Council of Japan Master Plan (2013-2014)
  - MEXT roadmap (2014-2015)
  - Approval of R&D budget
  - Keep high priority in the (HEP and CRC) communities.
- In Global
  - International collaboration.
  - Global discussions/consensus (ICFA neutrino panel, Snowmass process, European Strategy, etc..)
- In reality:
  - **We need the proposal and technical design report to describe our physics potential and project design.**

Discussions with  
the steering group  
members at the  
lunch time today

# Discussions

- SCJ(2013-2014) MEXT(2014-2015) process
- International issues
  - European strategy
  - Snowmass
    - P5 will form to discuss the outcome of Snowmass.
- AOB
  - HK computing
  - About Working groups
    - Accelerator/beam line and Near detector
  - Relation with T2K and Super-K
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