Report on the
Science Policy Committee meetings

On behalf of the SPC
T. Nakada, Chair of SPC
(EPFL, Lausanne, Switzerland)
Reminder

• SPC advices the Council on scientific policy matter
• Last oral report at Open Session of Council was made in June.
• Since then, two SPC meeting took place 14-15 September and 14-15 December 2015
• Standard items are
  – Reports by the Scientific Committees (LHCC, SPSC, INTC)
  – Council President and DG report
  – LHC status: machine, experiments and computing
Additional items for the September meeting

September meeting, traditionally attended by the former members of the SPC

• Medium Term Plan and 2016 draft budget (usually done in June, delayed due to the € crisis)
• Report on the XXVII International Symposium on Lepton-Photon, Ljubljana, 17-22 August 2015
• Discussion on the Council questions concerning the CERN activities for the R&D on the future energy frontier machines: Summary of the working group meeting: LHC exploitation, ILC, CLIC, FCC, CEPC, SPPC, Muon collider, …
Additional items for the December meeting

• Report on the ISOLDE and n-Tof activities
• Particle Physics Programme at KEK (by the DG of KEK)
• Continuation of the discussion on the Council questions concerning the CERN activities for the R&D on the future energy frontier machines
• Five yearly report on the fellows, associates and students programmes
• Discussion on the European neutrino activities
  Presentations for DUNE, Hyper-K, CERN Neutrino Platform, and other activities (ESS and muSTORM and beyond) → for the future discussion on the CERN involvement in the neutrino physics
High energy colliders in the market

1. LHC exploitation: High Lumi\textsuperscript{+}, High Energy
   in progress included in FCC study
2. FCC-hh, ee, eh\textsuperscript{*} CDR preparation
3. CLIC TDR preparation
4. ILC Technically ready to go if approved (by ???)
5. CEPC* Serious amount of R&D fund requested to
6. SPPC* the Chinese government
7. Muon Collider* Interests coming, going and coming…

1), 2), 5), 6) and 7): Circular colliders
3) And 4): Linear colliders
*) Not mentioned in the European Strategy
KEK now

\[ K_L \rightarrow \pi^0 \nu \bar{\nu} \]
\[ \mu \rightarrow e \gamma \]
\[ \mu_{g-2} K \]
\[ \nu \text{ for T2K} \]
Future?

Hyper-KAMIOKANDE + JPARC neutrino beam
CERN Neutrino Platform in the North Area

The new test beam facility at the CERN SPS

18 December 2015
Open Session of Council (T. Nakada)
CERN Neutrino Platform

- Five projects are already in preparation

**NP01:** WA104, ICARUS as far detector for SBN
**NP02:** WA105, demonstrator + engineering prototype for a double ph. TPC
**NP03:** PLAFOND, an generic R&D framework
**NP04:** ProtoDUNE, engineering prototype for a single phase TPC
**NP05:** Baby Mind, a muon spectrometer for the WAGASCI experiment at T2K
Change of the members

• Outgoing members
  M. Harrison, H. Murayama, D. Wark

• New members
  L. Baudis, R. Brinkmann, Y. Nir
Thank you very much:

• Out going members
Thank you very much:

• Out going members
• Council
Thank you very much:

- Out going members
- Council
- Out going members of the CERN Management
Thank you very much:

• Out going members
• Council
• Out going members of the CERN Management
• And the President of the Council
Thank you very much:

- Out going members
- Council
- Out going members of the CERN Management
- And the President of the Council
- and Council Secretariat, Minutes Writer Team and interpreters for their excellent support

18 December 2015 Open Session of Council (T. Nakada)