

Regional Updates from Japan

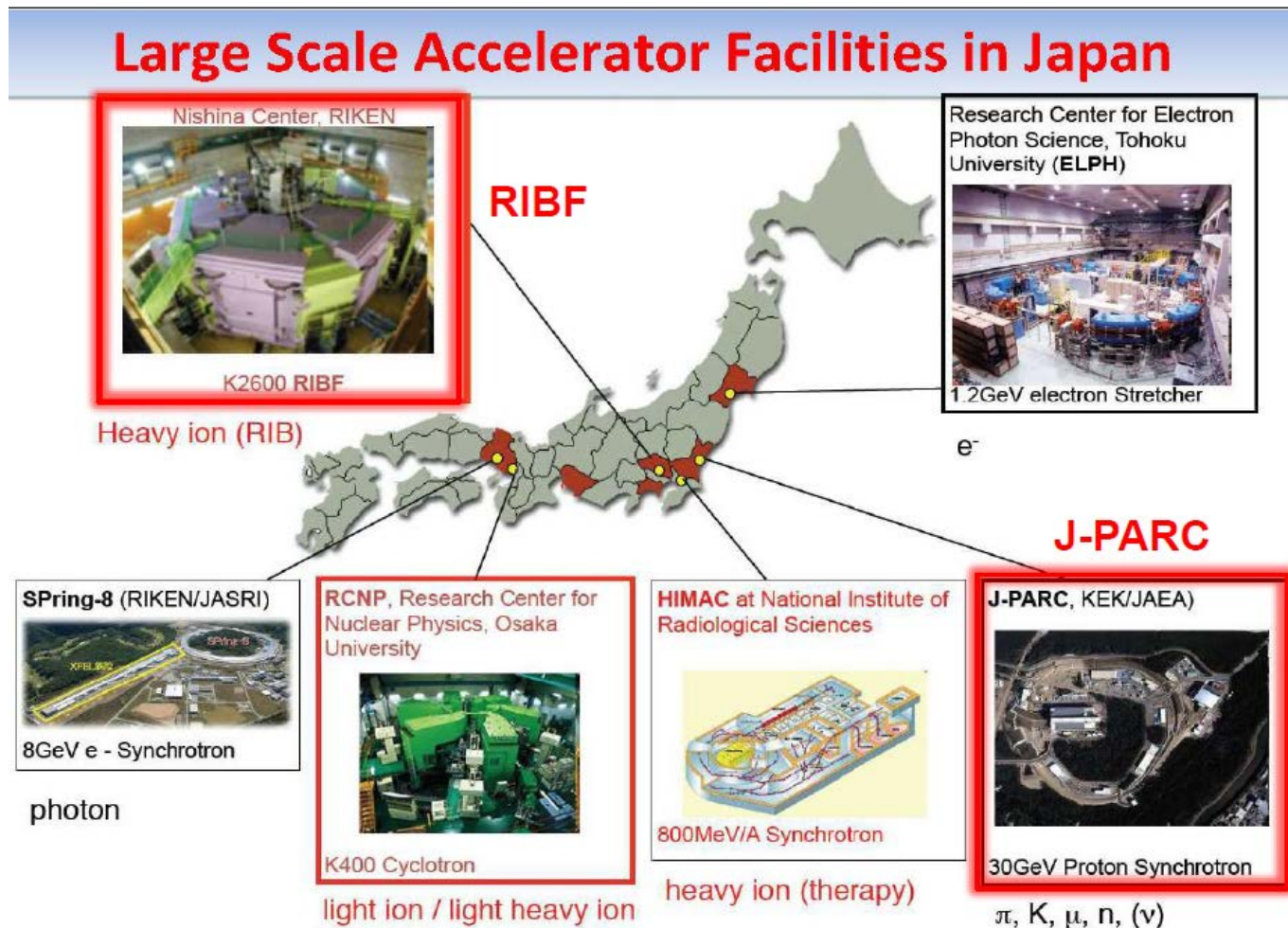
EIC User Group IB meeting in Paris

July 25th (Thu), 2019

Yuji Goto (RIKEN)

Nuclear physics facilities in Japan

- J-PARC, RIBF, RCNP-Osaka, ELPH-Tohoku, LEPS-SPring8, ...
- Operating well, but short of running budget



Slid from K. H. Tanaka

Future projects from nuclear physics community in Japan

- Submitted to “Master Plan 2020” (March, 2019)
 - Master Plan = selection process of large-scale future project in Japan led by Science Council of Japan
 - Facility project
 - J-PARC hadron facility upgrade [KEK/J-PARC] * high priority
 - RI Beam Factory upgrade [RIKEN] * high priority
 - J-PARC-HI project [Tsukuba U, JAEA]
 - Research project
 - High energy heavy-ion collisions (RHIC, LHC) [Nagasaki iAS, ...]
 - EIC project [Yamagata U, RIKEN]
 - Joint project with other fields
 - Nuclear transmutation facility [RIKEN]
- Evaluation started, but still very far from funding
 - Listed in “Master Plan 2020”
 - Selected in “high priority projects” in MP2020
 - Selected in “Road Map” in MEXT → possible funding

RIKEN & EIC Japan

- RIKEN Nishina Center
 - RHIC spin program from 1997
 - Polarized proton acceleration at RHIC
 - PHENIX and sPHENIX
 - RIKEN BNL Research Center
 - Based on RIKEN-BNL collaboration
 - Closing in 2025?
 - No commitment for EIC
 - Personal participation allowed
- EIC Japan
 - Need a new funding source

Master Plan 2020 proposal

- Leading institute
 - Yamagata Univ., RIKEN
- Collaboration institute
 - Tokyo Tech, Kobe Univ., Nihon Univ., KEK, Kyorin Univ., Niigata Univ.
- Participation in design and construction of forward and backward detectors, especially calorimeters of the EIC day-1 detector
- Aiming at extension of kinematical coverage in the event reconstruction for forward and very forward physics

ANPhA symposium

- ANPhA = Asian Nuclear Physics Association
 - Central organization representing nuclear physics in Asia Pacific
 - Collaboration
 - Education
 - Coordination of utilizing existing research facilities
 - Discussion for future planning
 - Australia, China, Hong Kong, India, Japan, Kazakhstan, Korea, Mongolia, Myanmar, Taiwan, and Vietnam
- 14th board meeting and symposium in Korea
 - June 28-29, 2019 in Seogwipo, Jeju Island
 - “High-energy heavy-ion studies in Asia/Pacific and world in coming 10 years”
 - J-PARC-HI, EicC, EIC, sPHENIX, ALICE, CMS-HI



Summary

- Master Plan 2020 proposal on EIC submitted in Japan
- EIC Japan led by Yamagata Univ. and RIKEN
- EIC discussion in the ANPhA symposium
- More participants and activities on EIC to be developed in Japan and in Asia