

Roundtable Discussion

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APCTP Korea EIC Workshop
Nov. 2-4 2022, Incheon, Korea

Recent NP Accelerator Construction History in the U.S.

- 1994: CEBAF (JLab) first beam was delivered to an experimental hall on July 1 (Hall C).
- 2000: RHIC (BNL) operation started.
- 2015: CEBAF (JLab) delivered the first full-energy 12 GeV electrons (12.065 GeV) on December 14.
- 2022: FRIB (MSU) operation started.

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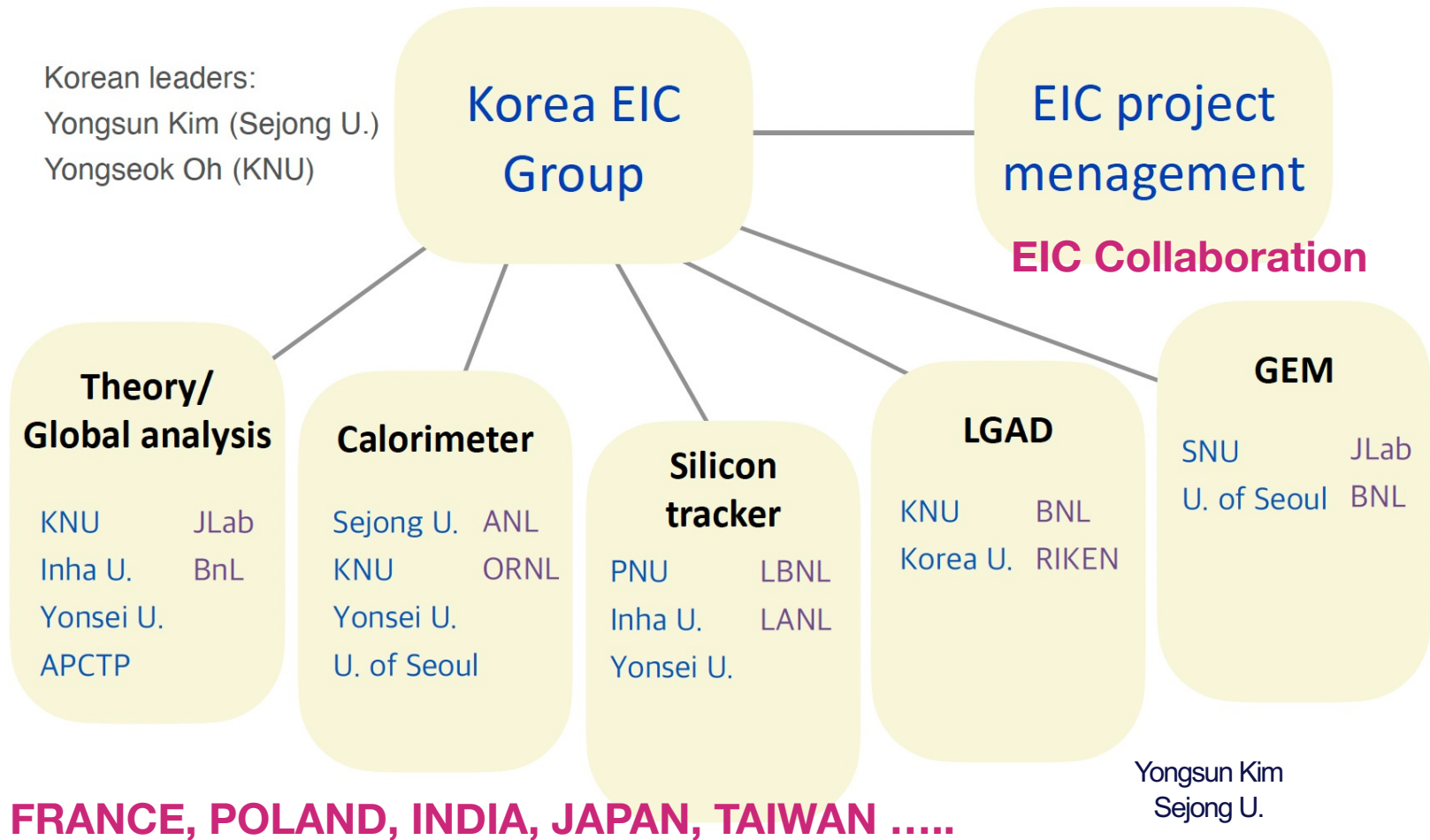
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- 2032-2034: EIC (BNL) operation starts.

First Korea EIC Workshop (3 full day):

- **44** registered participants from US, France, Poland, India, Japan, Taiwan, South Korea – people from the Ministry of Science and ICT of Korea, U.S.-DOE, EIC project leadership
- High-level quality of presentations
- Good participation, active attendance
- Lively and productive discussion during all the sessions

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- **What would be the next step?**



Theory/Global Data Analysis

Getting to grips with GPD extraction



Paweł Sznajder
National Centre for Nuclear Research, Poland

**EpIC: novel Monte Carlo generator
for exclusive processes**

Saclay, JLab, BNL, Inha U., KNU, APCTP, Stony Brook U.....

Path Forward

- ❑ Active Working Groups
 - Theory, Calorimeter, Silicon detector, LGAD, GEM,
- ❑ Resources
 - EIC generic R&D projects, funding, manpower, ..
- ❑ DOE National Lab access for Korean groups
 - Requires some work (APCTP could help).
- ❑ Regular workshops with J-EIC, T-EIC, ...
 - Next one?

2023 Programs

- ❑ EIC UG Meeting in Warsaw, Poland, July 24-31, 2023
- ❑ APCTP-ECT* Joint Workshop: Exploring resonance structure with transition GPDs, Trento, Italy, May 2023
- ❑ APCTP Focus Program in Nuclear Physics 2023: Hadron Physics with Hadronic Probes, APCTP, Pohang, Korea, July 2023

Thanks to all speakers and participants!

