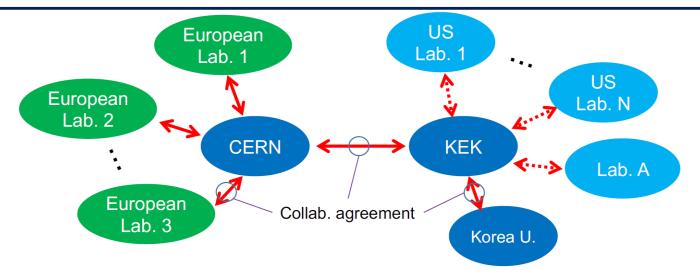
# ITN Briefing Meeting Sources

ZOOM meeting on 2023.12.7

Participants:
Speakers
Contact Persons
Steering Members of Sources
IDT EB

#### ILC Technology Network (ITN)

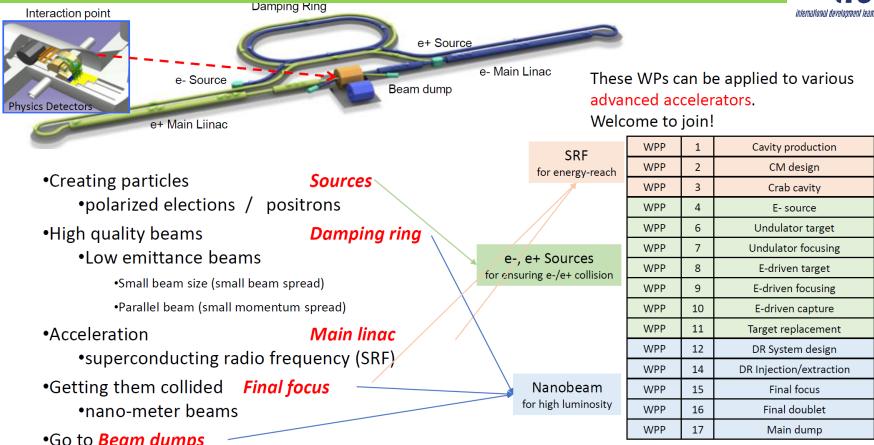
- □ The ITN is jointly initiated by KEK and IDT to execute high priority work packages identified by the IDT-WG2 from the ILC Pre-lab Proposal.
- □ ITN is an independent organization based on Arrangements between KEK and participating laboratories, and it takes full responsibility for the execution of those work packages.
- □ In Europe, CERN agreed to serve as an European hub of the ITN, and an agreement was signed by KEK and CERN.



From Yamauchi, ITN Information Meeting, Oct 16-17

#### WP-Primes at <u>I</u>LC <u>Technology Network</u>





From Michizono, ITN Information Meeting, Oct 16-17

### Possible Participation of Labs

|         |     |    |                                | Region or<br>Host             | KEK      | BNL      | JLab     | CERN        | INFN     | JAI      | ANSTO    | Korea.U  | PAL      | DESY     | ASTeC    |
|---------|-----|----|--------------------------------|-------------------------------|----------|----------|----------|-------------|----------|----------|----------|----------|----------|----------|----------|
| SRF     | WPP | 1  | Cavity production              | Asia/Eu./A<br>m.              | <b>√</b> |          | <b>✓</b> | <b>✓</b>    | <b>√</b> |          |          | <b>✓</b> | <b>✓</b> | <b>✓</b> |          |
|         | WPP | 2  | CM design                      | Asia/Eu./A<br>m.              | <b>√</b> |          |          |             | <b>√</b> |          |          |          | <b>✓</b> |          |          |
|         | WPP | 3  | Crab cavity                    | RFD,<br>QMIR,<br>(Elliptical) |          |          | <b>√</b> | <b>~</b>    |          |          |          |          |          |          | <b>~</b> |
| Sources | WPP | 4  | E- source                      |                               |          |          | ✓        |             |          |          |          |          | <b>✓</b> |          |          |
|         | WPP | 6  | Undulator target               |                               |          |          |          | <b>✓</b>    |          |          |          |          |          |          |          |
|         | WPP | 7  | Undulator focusing             |                               |          |          |          | <b>&gt;</b> |          |          |          |          |          |          |          |
|         | WPP | 8  | E-driven<br>target             |                               | <b>√</b> |          | <b>✓</b> |             |          |          |          |          |          |          |          |
|         | WPP | 9  | E-driven focusing              |                               | <b>√</b> |          |          |             |          |          |          |          |          |          |          |
|         | WPP | 10 | E-driven capture               |                               | <b>√</b> |          |          |             |          |          |          |          |          |          |          |
|         | WPP | 11 | Target<br>replacemen<br>t      |                               | V        |          |          |             |          |          |          |          |          |          |          |
| Nano    | WPP | 12 | DR System design               |                               | <b>√</b> | ✓        |          |             |          | <b>✓</b> | <b>✓</b> |          | <b>✓</b> |          |          |
| beam    | WPP | 14 | DR<br>Injection/ex<br>traction |                               | <b>√</b> |          |          |             |          | <b>✓</b> |          |          |          |          |          |
|         | WPP | 15 | Final focus                    | KEK-ATF                       | <b>√</b> |          |          | <b>✓</b>    |          | <b>√</b> |          | <b>✓</b> |          |          |          |
|         | WPP | 16 | Final<br>doublet               |                               | <b>√</b> | <b>✓</b> |          |             |          |          |          |          |          |          |          |
|         | WPP | 17 | Main dump                      |                               | <b>√</b> |          |          | <b>✓</b>    |          |          |          |          | <b>√</b> |          |          |

## Contact Persons (Sources)

|            | contact person       | WPP  | lab     | head                 |
|------------|----------------------|------|---------|----------------------|
| Asia-Pacit | fic                  |      |         |                      |
|            | Yoshinori Enomoto    | 8-11 | KEK     |                      |
| Europe     |                      |      |         |                      |
|            | Iryna Chaikovska     | 8,9  | IJCLab  | Achille Stocch       |
|            | Steffen Doebert      | 6,7  | CERN    | Steinar Stapness     |
|            | Gudrid Moortgat-Pick |      | Uni. HH | Gudrid Moortgat-Pick |
|            |                      |      |         |                      |
| US         |                      |      |         |                      |
|            | Jared Maxson         | 4    | Cornell |                      |

## Scope of Today's Meeting

- ➤ Start to decide the participation of each lab in each WPP
  - ✓ First step: explain each WPP to contact persons
- ➤ Unfortunately, US labs are not ready to talk about WPP (till P5)
- ➤ Next step after this meeting
  - ✓ Establish formal formation of lab participation in a few weeks