

ILD and FCCee

ILD Strategy Meeting

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DESY



Option 3

Proposal

Strategic goal: ensure a detector concept representation of ILD-related R&D groups in the FCCee feasibility study

- to support R&D requests to national funding agencies
- to be able to demonstrate relevance of their R&D also for circular Higgs factories

Proposal:

- **Keep the ILD detector concept focused on ILC exclusively**
- **Use the existing CLD model (that has a lot of ILD in it) for any FCC-ee related study that ILD wants to do**

In practice: create a TPC-based version of CLD

- same calorimeter as CLD, but different tracking system: CLD-S and CLD-T
- Reasonably realistic model, less detail than ILD, more flexible
- Allows for the proposed studies of performance and operability

No ambiguities with respect to ILD's dedication to the ILC

- no wrong messages, neither to Japanese decision makers nor to European community
- takes full spectrum of opinions among ILD individuals into account

Connects with linear-collider community at CERN

- in continuation of fruitful CLIC-ILD cooperation on the work floor

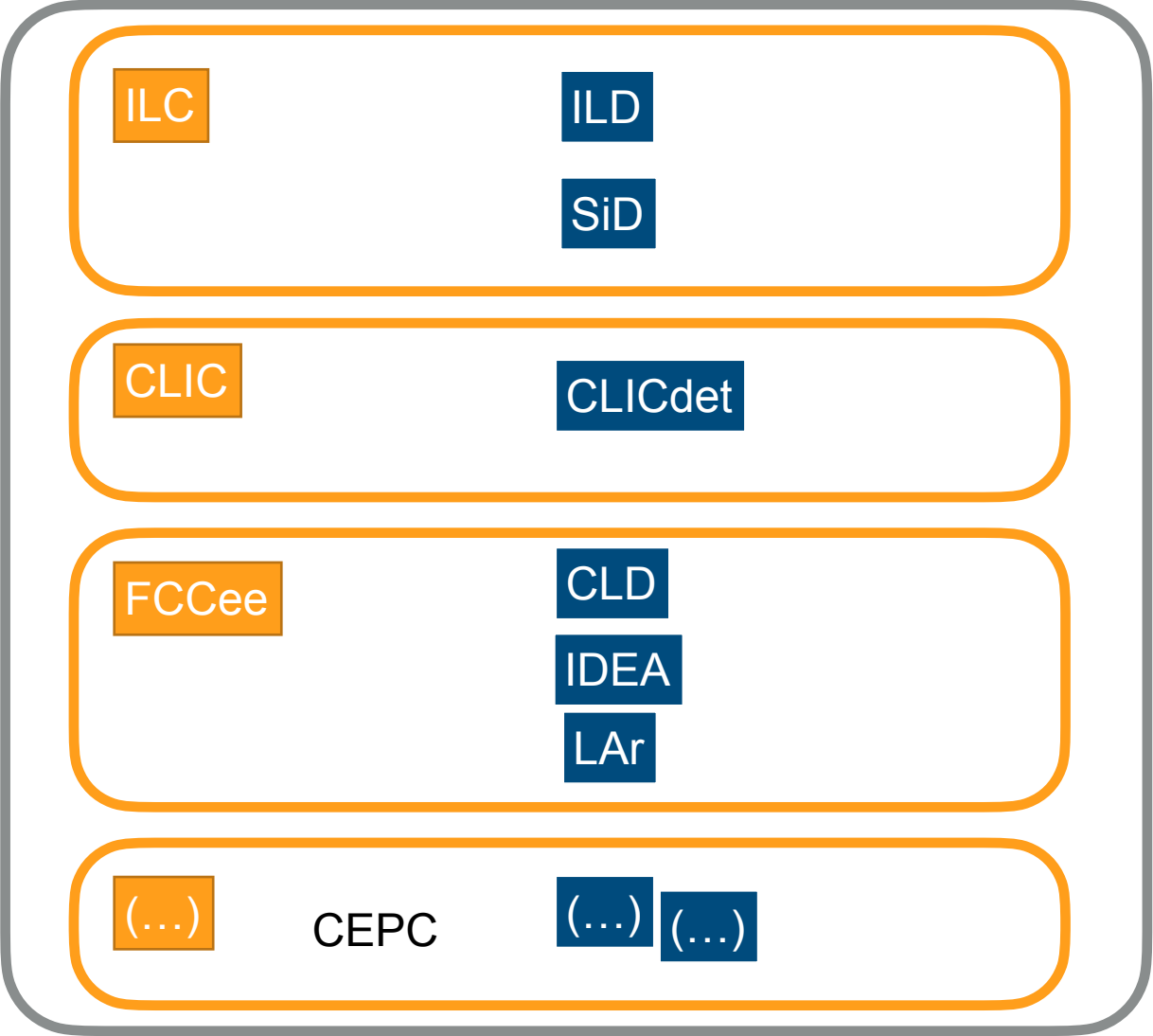
Enhances visibility of ILD detector groups in the FCCee study

- provides more flexibility to adapt to different requirements of national funding schemes

Back-up

ECFA Higgs Factory Study: WG 3 - Detectors

Structure



TF1
Gas Det.

TF3
Silicon Det.

TF4
PhD / PiD

TF6
Calo

TF7
Electronics

TF8
Mech./Integ.

CALICE

Example

Topical Workshop

