

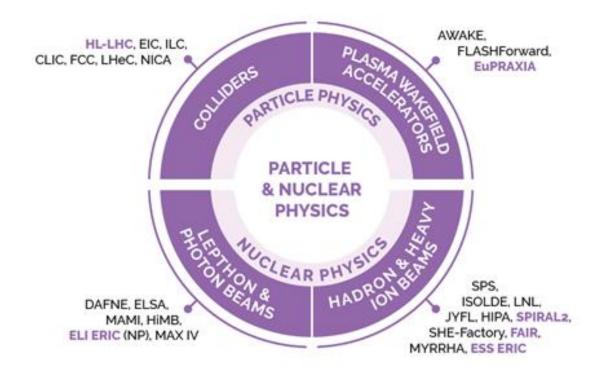
## Report by the MEXT ILC committee

- MEXT committee had a series of six meetings since last summer
  - Original question: progress since the last review
  - Actually focus of discussion: prelab
- Final report
  - Final meeting January 2022, to discuss conclusions
  - Informal draft report available, final version still under discussion and drafting
  - Significant tension among panel members and MEXT on the interpretation of the outcome of the meeting

## He context: Europe and beyond

"ILC is not on the ESFRI roadmap"

ESFRI landscape Analysis: What is on the horizon, but not yet ready to go forward



https://roadmap2021.esfri.eu/landscape-analysis/section-1/physical-sciences-engineering/



#### MEXT committee: Main Conclusions

- PRElab as proposed will not be funded
  - Too early
  - Too expensive in the current situation
- R&D for accelerators
  - Recommendation to open a funding line for acc R&D (not under the ILC heading, but with an ILC technology focus)
- Any further decision on ILC Prelab will depend heavily on international developments

#### ILD: a collaboration



- ILD as a collaboration is functioning (so far)
- Great work is done in simulation/ analysis/ hardware
- Most work is multi-purpose work

# ILD: reaching out to the community

Software/ Simulation	HEP Software collaboration	Future HEP projects, running project,
Analysis	CEPC, CLIC, FCC,	Generic application to future and running projects
Hardware	CALICE/ LCTPC/ FCAL/	All future HEP projects

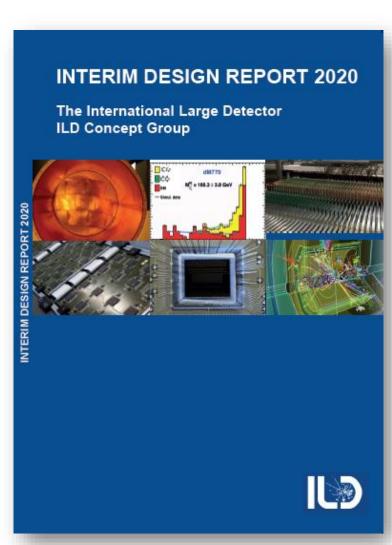
Central contributions to European Strategy update
Central contributions to snowmass process
Central contributions to the preparations of the MEXT panel

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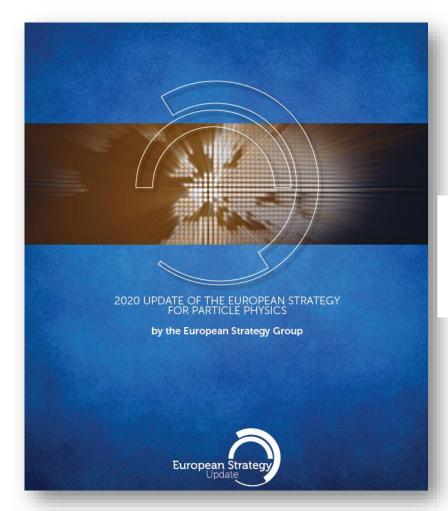
### ILD @ ILC

- The state of ILD@ILC has been summarized in the ILD-IDR
  - Electronically published under e-Print: 2003.01116
    - Update of the detector layout
    - Update on future directions of technologies for ILD
    - Updated of the implementation strategy
    - Update on the site integration
    - Updated on the costing
- Without a clear direction how, where and when ILC is being realized, it is difficult to argue the next steps in ILD
- We need to develop a strategy how to continue ILD





## Elements of an ILD strategy



**ILD Strategy Update** 

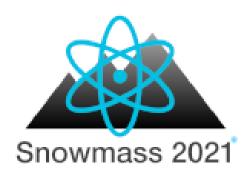
A. An electron-positron Higgs factory is the highest-priority next collider. For the longer term, the European particle physics community has the ambition to operate a proton-proton collider at the highest achievable energy. Accomplishing these compelling goals will require innovation and cutting-edge technology:

# After the Strategy



ECFA Workshop on e+e- Higgs/ EW/ Top Factory

https://indico.cern.ch/event/1044297/



Broad community discussion on future directions for particle physics Culmination meeting: Seattle, July 17-27, 2022

https://indico.fnal.gov/event/22303/

<u>Snowmass summary paper on ILC:</u>
<a href="https://www.overleaf.com/project/5feb77d659085f27f0653fa4">https://www.overleaf.com/project/5feb77d659085f27f0653fa4</a>



# A Way towards an ILD Strategy I

#### ILD community

- Organize a series of ILD meetings (typically 2-3 hours) to discuss
  - Status if ILD
  - Status of ILD software and software systems
  - Connection to the R&D collaborations and their plans
  - Future directions in collider detectors

# A Way towards an ILD strategy II

Define an ILD strategy group

- ILD Executive board (12 people)
- ILD conveners +WG conveners (physics +6, Software +4, technical +14)

Organize follow up meetings with the strategy group to digest the material presented in the open discussions, and make a strategy proposal

Draft report will be presented to the ET

ET will present the results to the ILD community

Final decision on "new" ILD strategy by ILD Institute Assembly



#### Conclusion

- The ILC project is not proceeding as rapidly as we have hoped
- ILD needs to re-invent itself

**ILD Strategy Update** 

- We propose a approx. 6 month process to re-define the ILD strategy in view of the changed international situation
- ILD as a group has a lot to offer to the community