



ILD Status and News

Ties Behnke

7-4-2026

ILD phone meeting

Agenda for Today

14:00	→ 14:10	Introduction/ ILD news	🕒 10m
		Sprecher: Ties Behnke	
14:10	→ 14:40	Timing in the ILD detector concept	🕒 30m
		Sprecher: Henri Videau (LLR-Ecole polytechnique)	
14:40	→ 15:10	An idea for a new VTX detector concept for ILD	🕒 30m
		Sprecher: Auguste Besson (IPHC Strasbourg), Jeremy Andrea (Centre National de la Recherche Scientifique (FR))	

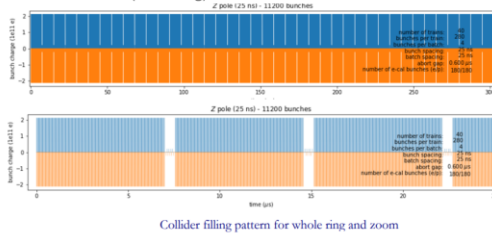
ILD and FCCee

- ILD presentation to FCC: May concept meeting (May 4, 2026)
<https://indico.cern.ch/category/15054/>
- Community meeting of the Spanish FCCee community on April 16
<https://indico.ific.uv.es/event/8538/>
 - ILD presentation by Ties
- May 4-6: Tracking meeting/ particle ID for FCCee at BNL: **postponed until fall 2026**
<https://indico.cern.ch/event/1660971/>
 - ILD presentation has been requested, currently looking for a speaker
- FCCee community meeting in Helsinki, Finland, June 8-12:
<https://indico.cern.ch/event/1552126/>
 - Concept will present their status in the parallel sessions
 - We are trying to organize an ILD satellite meeting on Friday afternoon after 14:00 hours: to be confirmed, if we can get a room

FCCee discussion points

Baseline Bunch Pattern

Current scheme (Z-running):



- Present filling patterns described in regular 25 ns positions
- 40 trains with 280 bunches each spaced by 600 ns gaps

Problem: Charge buildup in the accelerator during the bunch trains

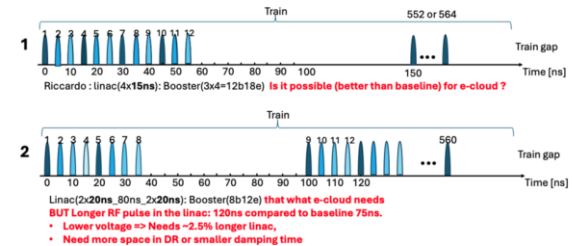
Possible solutions: longer dark times between bunch trains, possibly shorter inter-bunch times?

Impact on ILD?

Alternative schemes:

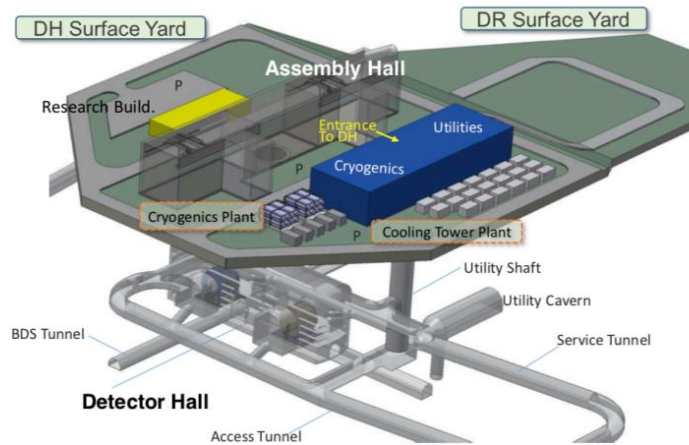
- Increase the gap between bunch trains to control charge buildup
- Shorter spacing between bunches? As low as 5 ns considered
- Longer inter-bunch spacing

Some options for possible bunch spacings



Surface Infrastructure at FCCee

- Discussion started on infrastructure needed on the surface



Older detailed ILD study exists done within the EJADE project

Has now been made publicly available

(<http://arxiv.org/abs/2604.00906>)

[Karsten Buesser, Thomas Schoerner, et al.](#)

Discussions have started with the FCC concepts group

ILD organisation



- ILD IA chair: Adrian Irlles
- Ongoing: election of spokesperson of ILD: IA meeting in May for the candidates to present themselves
 - Then: election of elected ET members
 - Then: formation of new management