

# Detector Concepts – Intro and News

This week:

◆ Second ECFA Workshop on e<sup>+</sup>e<sup>-</sup> Higgs/EW/Top Factories

- Three days workshop with plenary and parallel sessions covering  
*WG1, Physics Potential, WG2, Physics analysis Methods, WG3, Detector R&D*



SECOND • ECFA • WORKSHOP  
on e<sup>+</sup>e<sup>-</sup> Higgs / Electroweak / Top Factories

11-13 October 2023  
Paestum / Salerno / Italy

Topics:

- Physics potential of future Higgs and electroweak/top factories
- Required precision (experimental and theoretical)
- EFT (global) interpretation of Higgs factory measurements
- Reconstruction and simulation
- Software
- Detector R&D

# AnneCy Physics Workshop

◆ Not at all most recent agenda...

AnneCy FCC Physics Workshop: Jan. 29-Feb. 2, 2024					
parallel sessions on Tuesday/Wednesday/Thursday mornings					
	Monday 29.01	Tuesday 24.01	Wednesday 25.01	Thursday 26.01	Friday 27.01
9:00-10:30	Arrival at LAPP Registration	Phys. Prog. (Big picture, cosmo, interplay) <b>Jt Dectector &amp; MDI</b> SW	MDI SW <b>Jt Phys. Perf. &amp; Detectors (benchmarks)</b>	SW <b>Jt Phys. Perf. &amp; Dectectors</b> (alignment/acceptance)	Summaries/Highlights
10:30-11:00		Coffee break	Coffee break	Coffee break	Coffee break
11:00-12:30		Phys. Prog. & Perf. (BSM) <b>Detectors (CLD)</b> SW	Phys. Prog. & Perf. (QCD+EW) <b>Jt Detectors/SW</b> MDI	Phys. Prog. & Perf. (Higgs/Flavour) EPOL SW	Next steps
12:30-14:00	Lunch	Lunch	Lunch	Lunch	Lunch
14:00-15:30	Status of feasibility study	Z-lineshape study	Z-lineshape study	Z-lineshape study	Departure from LAPP
15:30-16:00	Coffee break	Coffee break	Coffee break	Coffee break	
16:00-17:30	IFNC	Z-lineshape study	Z-lineshape study	Z-lineshape study	
17:30-18:30	<b>Wrapped discussion</b>	Jt Phys. Perf. & SW (tutorial)	<b>Detectors (IDEA)</b> MDI	<b>Detectors (noble liquid)</b> EPOL	
19:30-22:30				Workshop Dinner	
# hours plenary	4	3	3	3	3
# hours parallel	0	4	4	4	0
				Total # hours	28

◆ Point here is simply to point out that Detector Concepts are involved in

□ **Four joints sessions** (w. MDI, Phys.Perf, SW)

❖ Detailed planning with respective working groups to be started

□ **Three pure DC sessions. Current thoughts:**

❖ One session covering Trigger, DAQ, readout, ...

Already invited advisory committee to help organise event.  
Meeting in November

❖ Two (three would be better?) sessions divided according to detector types

- Vertexing and tracking
- Calorimetry
- Particle ID

Will be sending around invitations to Detector working groups and DRD collaborations (DRD1-4) to suggest talks on progress during the last year

# Today's Meeting



FUTURE  
CIRCULAR  
COLLIDER

## Detector Concepts Meeting

Monday Oct 9, 2023, 2:00 PM → 3:30 PM Europe/Zurich

Videoconference



Detector Concepts Meeting



Please log in



**2:00 PM** → 2:10 PM **News**

🕒 10m

**2:10 PM** → 2:40 PM **Dual readout with capillary tubes: test beam results**

🕒 30m

**Speaker:** Iacopo Vivarelli (University of Sussex (GB))



TB2021\_results\_09...

**2:40 PM** → 3:10 PM **Status report about the Drift Chamber project for FCC-ee**

🕒 30m

**Speaker:** Nicola De Filippis (Politecnico/INFN Bari (IT))