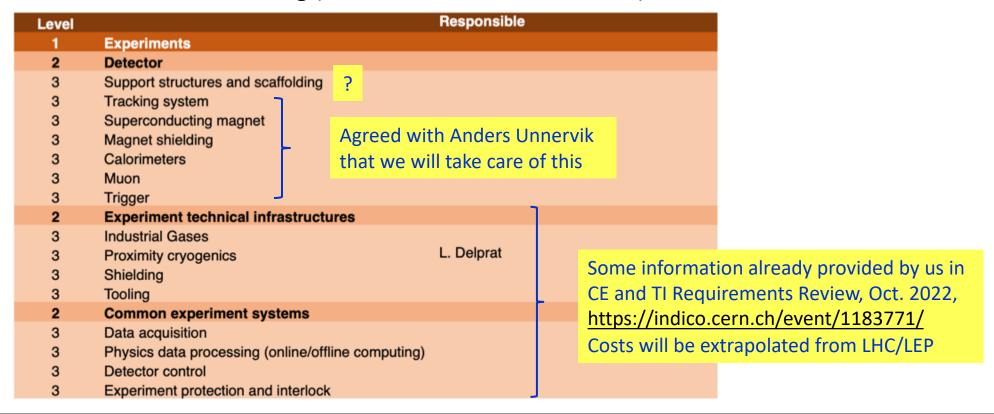
## **Detector Costing Exercise**

- Overall costing exercise
  - □ Head of study: Anders Unnervik
  - □ Scope: Update cost estimate of full FCC-ee project for the mid-term feasibility study
    - Including detectors
- ◆ Expected format for detector costing (beatriz.arias.alonso@cern.ch)



## **Detector Costing**

◆ Already existing material on CLD concept

□ DRAFT - Cost Estimate for the CLD detector at FCC-ee, LCD-Note-2018-006, Konrad Elsener

\* Total: 480 MCHF \_\_\_\_\_\_

1	Experiments		
2	Detector		▼
3	Support structures and scaffolding		
3	Tracking system		63 MCHF
3	Superconducting magnet		50 MCHF
3	Magnet shielding	<b>Return Yoke</b>	24 MCHF
3	Calorimeters	ECAL + HCAL	286 + 37 MCHF
3	Muon		15 MCHF
3	Trigger		

## **Detector Costing**

## Method:

- □ Aim to provide cost estimates on a sub-detector level (including FE electronics + links)
  - \* VTX
  - Tracking: Si sensors, Drift Chamber, TPC (including wrappers)
  - ❖ Calorimetry: CALICE-like ECAL, TileCal HCAL, Dual Readout, Crystal, Noble Liquid, ...
  - Muon system: ...
  - Others (LCAL, ...)
- □ Should not forget integration + support
- ◆ People/contacts:
  - □ MD, Franco Bedeschi, Martin Aleksa, Patrick Janot, Felix Sefkow
  - Meetings
    - 1st: Tuesday May 2nd
    - \* 2nd: Tuesday May 16th
    - \* 3rd: