

Other points noted:

- The huge question of “no power pulsing” will lead to additional material in vertex, tracker (?) and elsewhere; the calorimeter longitudinal segmentation might have to be revised
- In order to adjust the tracker layout to the new outer radius, it is – in a first attempt – proposed to scale everything “out” to the new outer radius; the separation of inner and outer tracker must remain, the (new) diameter of the support tube must be checked against mechanical issues and interference with other elements in the FCCee detector region // opening the detector for maintenance may in the first round be neglected
- LumiCal design and performance is not part of our tasks
- The complex interplay between the three solenoids and the final quadrupole, etc., are in the hands of MDI and are not part of our worries – we should assume that anything inside $\theta = 100$ mrad is “forbidden territory”
- Initial validation and performance studies can follow the scheme of what is done for CLICdet

Concept	CLICdet	FCCee
Vertex inner radius [mm]	31	17
Tracker technology	Silicon	
Tracker half length [m]	2.2	unchanged
Tracker outer radius [m]	1.5	2.15
ECAL absorber	W	
ECAL X_0	22	
ECAL barrel r_{\min} [m]	1.5	
ECAL barrel Δr [mm]	202	unchanged
ECAL endcap z_{\min} [m]	2.31	
ECAL endcap Δz [mm]	202	unchanged
HCAL absorber barrel / endcap	Fe / Fe	
HCAL λ_I	7.5	5.5 (= ILD)
HCAL barrel r_{\min} [m]	1.74	
HCAL barrel Δr [mm]	1590	1166
HCAL endcap z_{\min} [m]	2.45	
HCAL endcap Δz [mm]	1590	1166
Solenoid field [T]	4	2
Solenoid bore radius [m]	3.5	3.7
Solenoid length [m]	8.3	unchanged
Overall height [m]	12.9	
Overall length [m]	11.4	
Overall weight [t]	8100	