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# CLIC CDR Numbers

⚠ The numbers given below are not updated any more. Instead two LCD notes on the ILDCDR and SiDCDR geometries are available as reference documents:

- CLIC ILDCDR Geometry [↗](#)
- CLIC SiDCDR Geometry [↗](#)

## Old Numbers

- Overview of simulation models [↗](#) presented at IWLC2010.
- All dimensions are in **millimeter**.
- The Radii are the distances between the center and the corner of a polygon.
- Polygon is the number of corners of the given structure. 0 indicates a circle.
- The first number is for the inner polygon, the second for the outer.
- **Total Height** assumes flat side at top and bottom.
- LumiCal and BeamCal are centered on the outgoing beam axis in the ILDCDR case. In SiDCDR they are still implemented as centered around the detector axis.

### CLIC01\_ILDCDR CLIC\_ILDCDR CLIC\_SiDCDR

InnerOuterInnerOuterInnerOuter

EcalBarrelRadius1999.632186.021999.632186.021309.61452.1Z023500235001765Polygon88881212EndcapRadius5  
HcalBarrelRadius2227.5634092227.563375.361469.12664.8Z023500235001765Polygon8168161212EndcapRadius49

CoilBarrelRadius3438.54188.53395.364145.362684.83485.8Z038720425603575Polygon000000

YokeBarrelRadius4595.077235.034550.417190.373783.86673.8Z044940451103575Polygon1212121288EndcapRadiu

LumiCal Z2464.226352654.2282518051943.5

Radius100195.210029064230

BeamCal Z3180.73450.332880.73140.7328253010.5 Radius35.0115032.011500130

-- ChristianGrefe - 24-Sep-2010 \* increased LumiCal outer radius in clic\_sid\_cdr to fully cover hole in ECal

-- AndreSailer - 01-Nov-2010

- CLIC\_ILDCDR: Decrease ECal Plug inner radius by 60 mm
- CLIC\_ILDCDR: Decrease outer LumiCal radius by 60 mm (instrumented area)
- CLIC\_ILDCDR: Increase BeamCal length by 100 mm to include Graphite absorber (Position will be changed later)

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