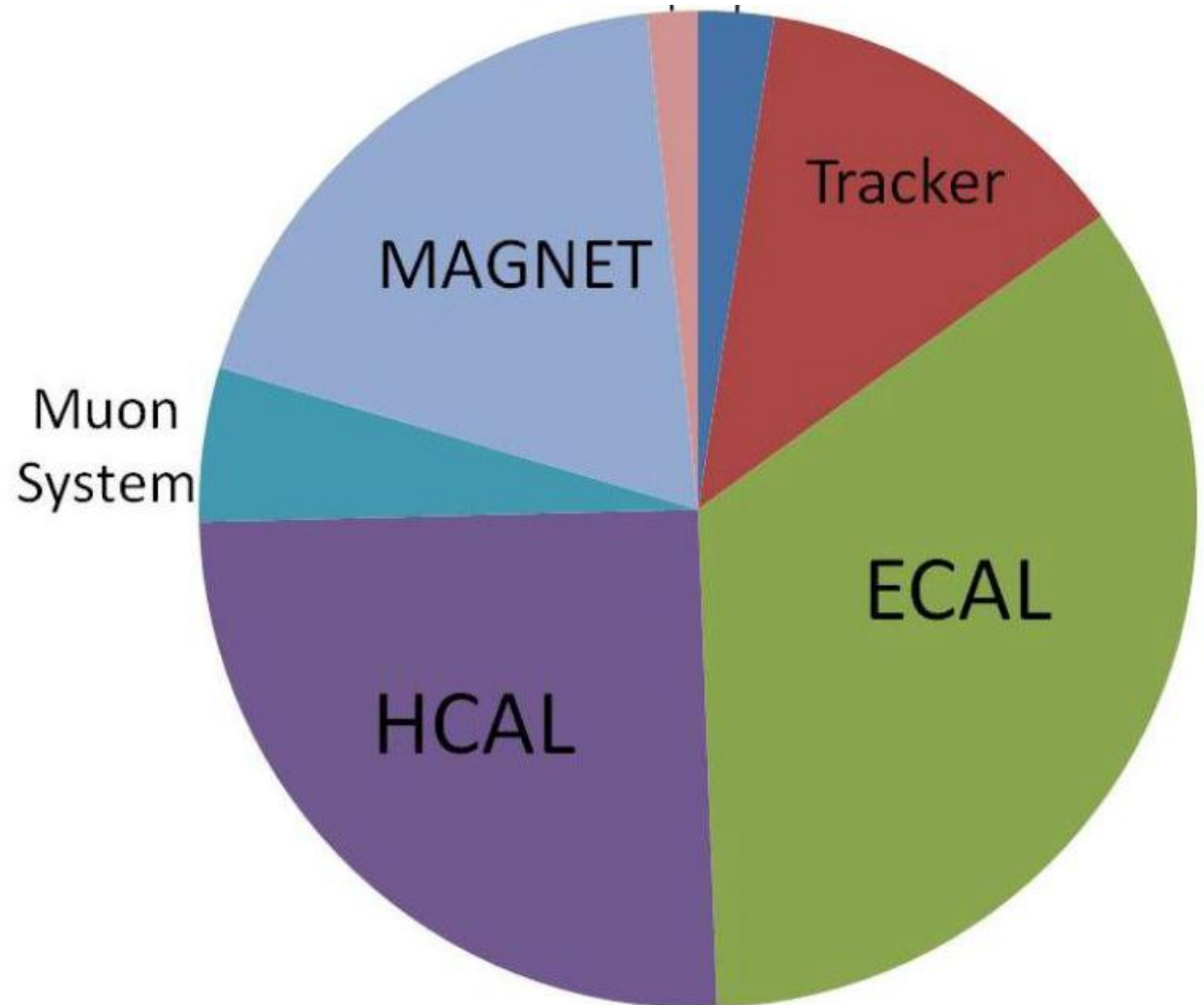


Some words about the cost of ECAL



... in a “typical CLIC detector”



(CDR, Annex C)



Some numbers (for CLIC_ILD)

Tungsten-Silicon Sandwich ECAL, 1(Si)+29(W-Si) layers

Tungsten slabs: 125000 kg

Silicon wafers: 2407 m²

Electronics Channels: 96.3×10^6 (VFE)

...

Unit cost (agreed 21 October 2010)

Unit	Agreed Unit Cost
Tungsten for HCAL	105 CHF / kg
Tungsten for ECAL (tighter mechanical tolerances)	180 CHF / kg
Steel for Yoke (semi-product)	1000 CHF / t
Steel for Yoke (final product, including assembly supervision)	6000 CHF / t
Stainless Steel for HCAL	4500 CHF / t
Silicon Sensor (for tracking detectors and ECAL)	6 CHF / cm ²

