Costruction and Test of a new E.M. Calorimeter for a futur Linear Collider

- Padova
- LNF
- help from DESY

Requirements for ECAL in TDR di TESLA (LINEAR COLLIDER):

- high granularity,(Energy Flow)
- σ_E O($10\%/\sqrt{E}$ $+1\%$)
- longitudinal segment. (e/π) separation,
- working in magnetic field
- high density (25-30 X_0 in $\sim$ 50 cm)

Solutions in TDR:

- Shashlik (thanx to CALEIDO)
- Si W (Cost ??? 35 Mchann.???)

LCcal