

G. Darbo / INFN - Gemova

Indico agenda:



♀ Offer received 11/6/2014

INFN

- 25 wafers 11'993.00 CHF (447.32 CHF/wafer)
- *Critical technical aspects*
 - Epitaxial layer variation: ±5% in a wafer and ±5% from wafer to wafer from nominal 130µm thickness -> 105 µm to 156µm (added as sum of the two limits)
 - Resistivity: 500 ÷ 2500 Ωcm
- *On the variation of thickness there is nothing we can do: take it or not order*
- On the resistivity we considered that 500Ωcm is to low: asked to increase. Answer:
 - 1. The spec of the epi resistivity can be raised to >700 Ω cm without an extra charge.
 - 2. For the spec of >1000 Ω cm, the price is to increase about 13% (due to selection).
- Solution For 700 Ωcm the depletion is 170 $\sqrt{}$, definitively too high for 3D.