

FTOF updated cost estimation

- Electronics [Dominique, 2010/12]
- **250 kEuros** for 672 channels [12 sectors * 14 PMTs / sector * 4 channels / PMT]

□ Includes everything: HV, LV, boards, cables, installation, etc.

- Quartz Plates [Jerry, 2009]
- Material: 210 k\$ [12 + 2 plates, unit cost 15 k\$]
- Manpower: 200 k\$
- QC: 160 k\$

Total: 570 k\$
~ **450 kEuros**
(1.3 \$ / euro)

- Mechanical integration [LAL engineers, 2010/03]
- Support structure: 80 kEuros
- Utilities: 20 kEuros
- Integration: 30 kEuros

Total: **130 kEuros**

- PMTs [Veronique, 2010/12] : **1.2 MEuros**
- 200 PMTs (168 for the 12 sectors + ~2.5 sectors of spares)
Quote for SL10 Hamamatsu is ~6 kEuros/PMT
(□ Burle PMTs may be cheaper; no quote yet)

The total cost is ~**2 MEuros**. Largely dominated by the PMTs.