

# *Neutral detector for H8*

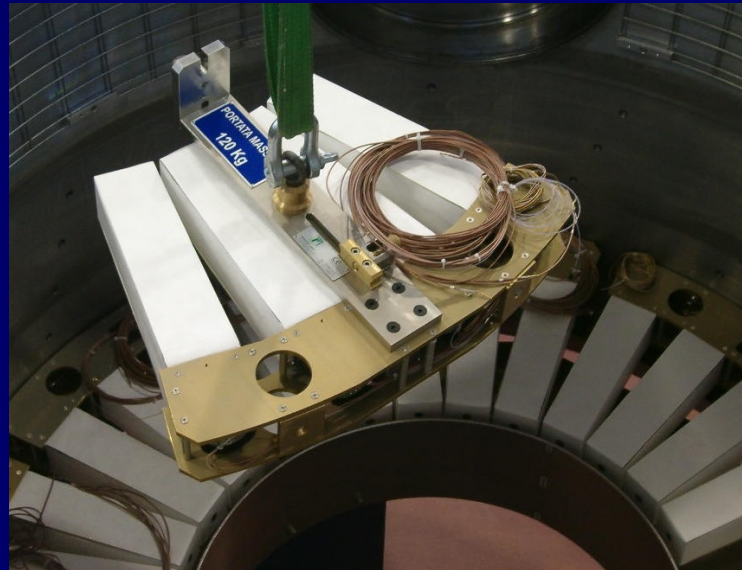
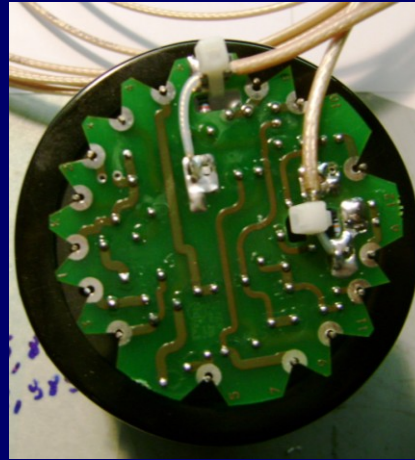
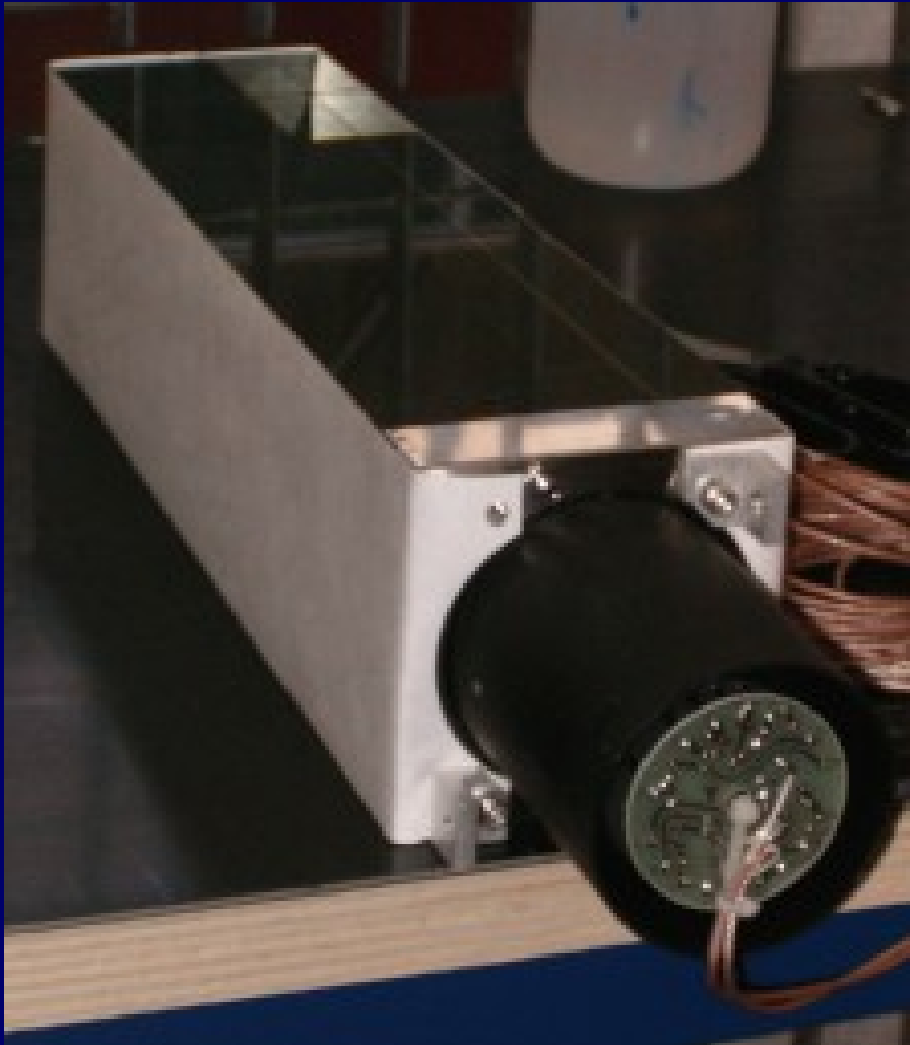
P. Valente, G. Cavoto

# OPAL calorimeter



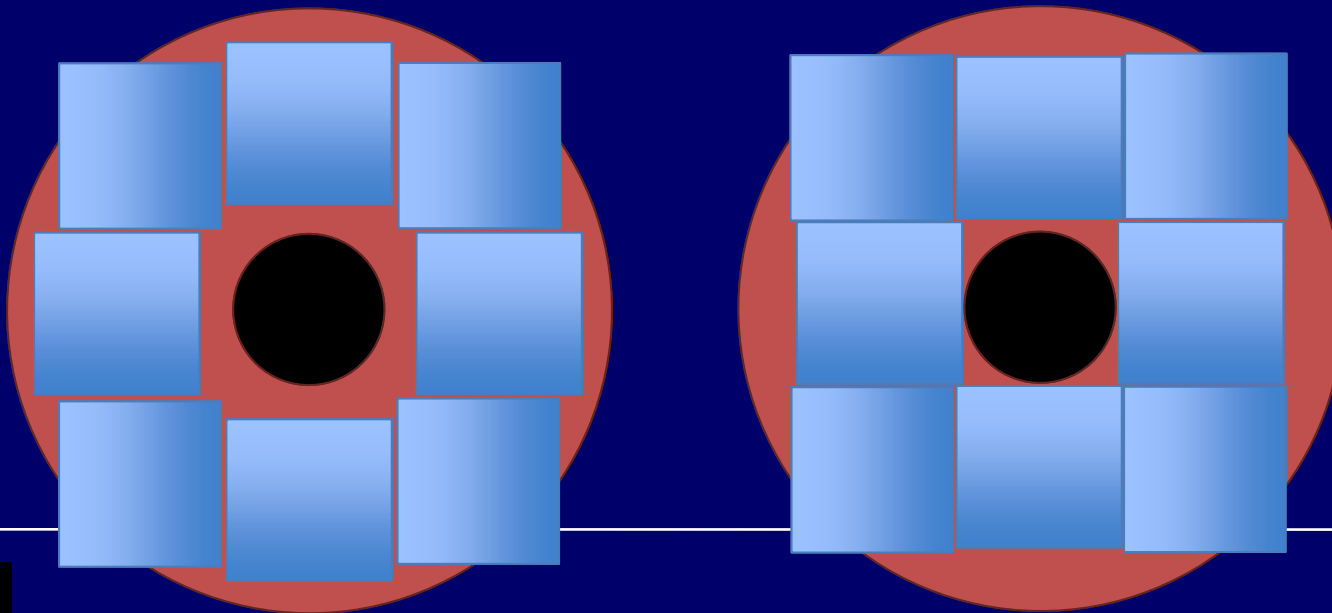
- Lead glass blocks, SF<sub>4</sub>
- Cerenkov light read by Hamamatsu R2238 PMT
- Approximately **square** section prism shape:  
11×11×37 cm<sup>3</sup>

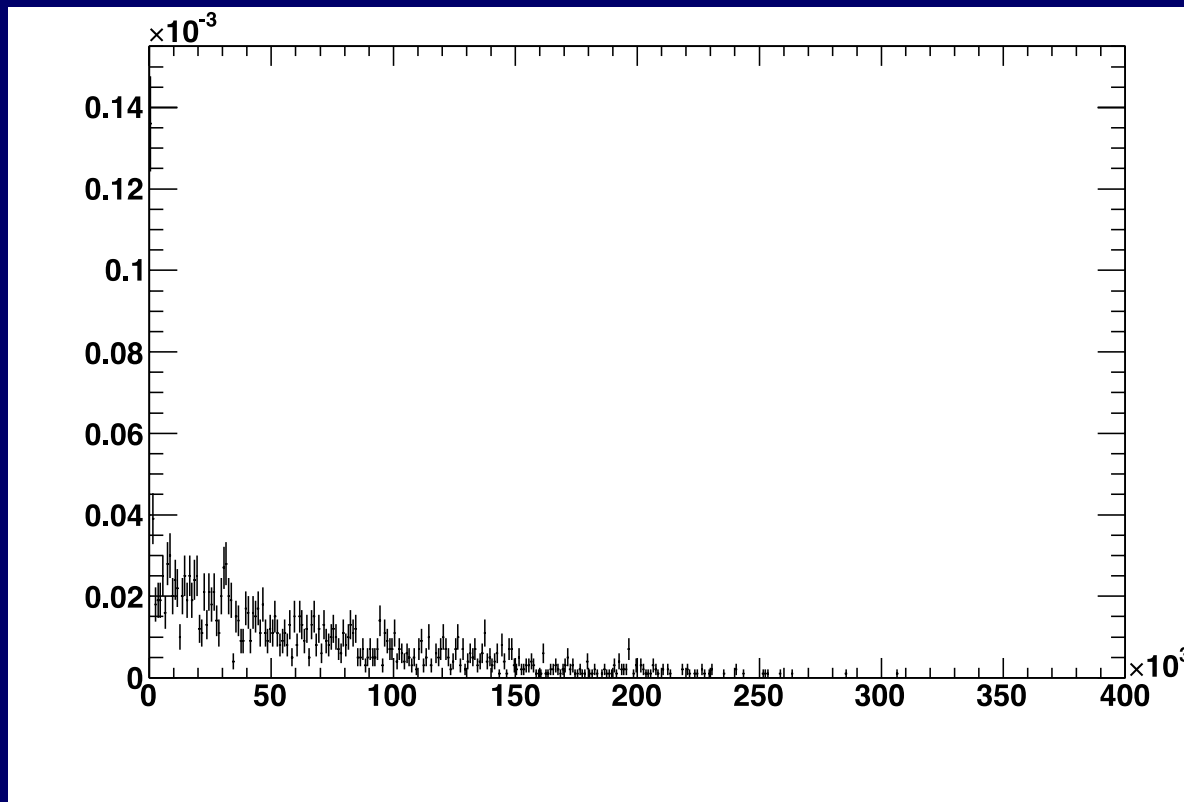
# *Re-used for NA62 photon vetoes*



- Approximately square section  $11 \times 11 \text{ cm}^2$
- Lead glass block length=37 cm
- 4 or more channels
- 25 kg/block

GEANT simulation, cylinder 5 cm inner radius, 20 cm outer radius

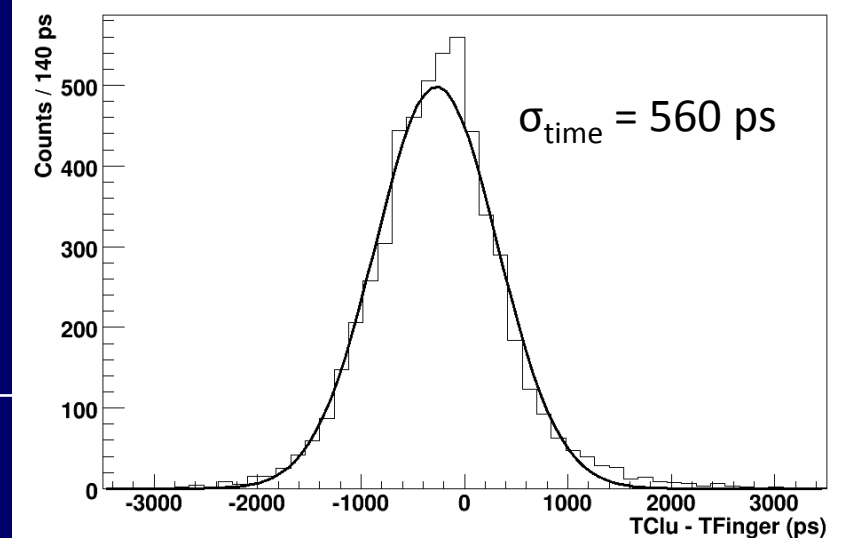
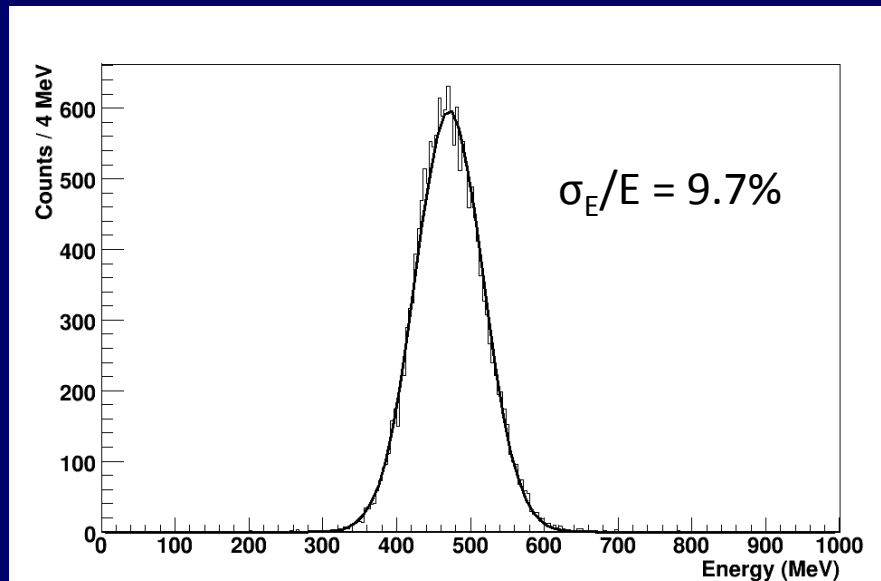




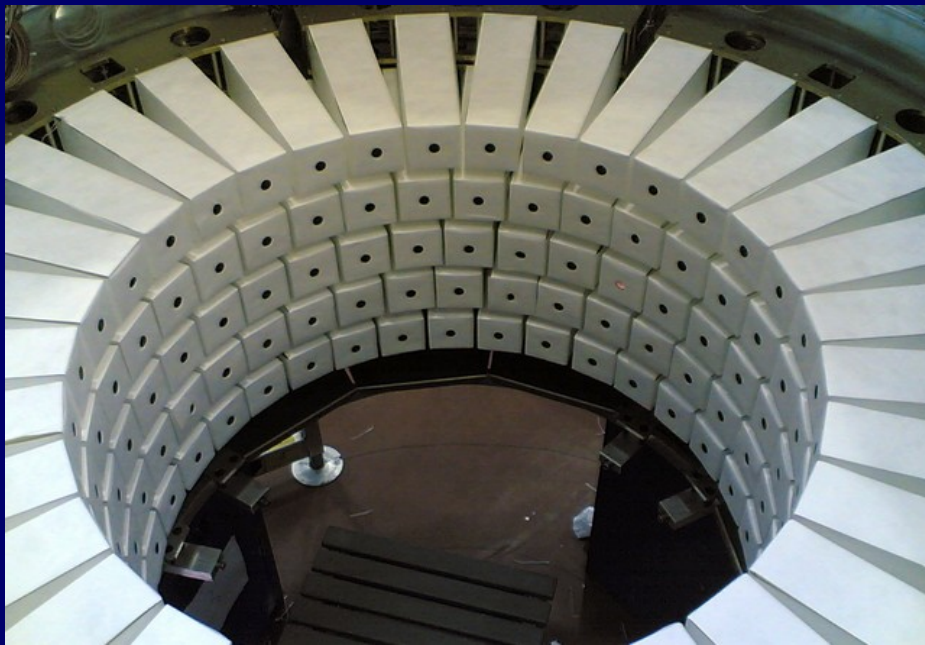
# Performance with electrons



Beam energy = 471 MeV (electrons)







Possibility of recuperating  
blocks not qualified for  
NA62

