

# SAND – ECAL Working Group

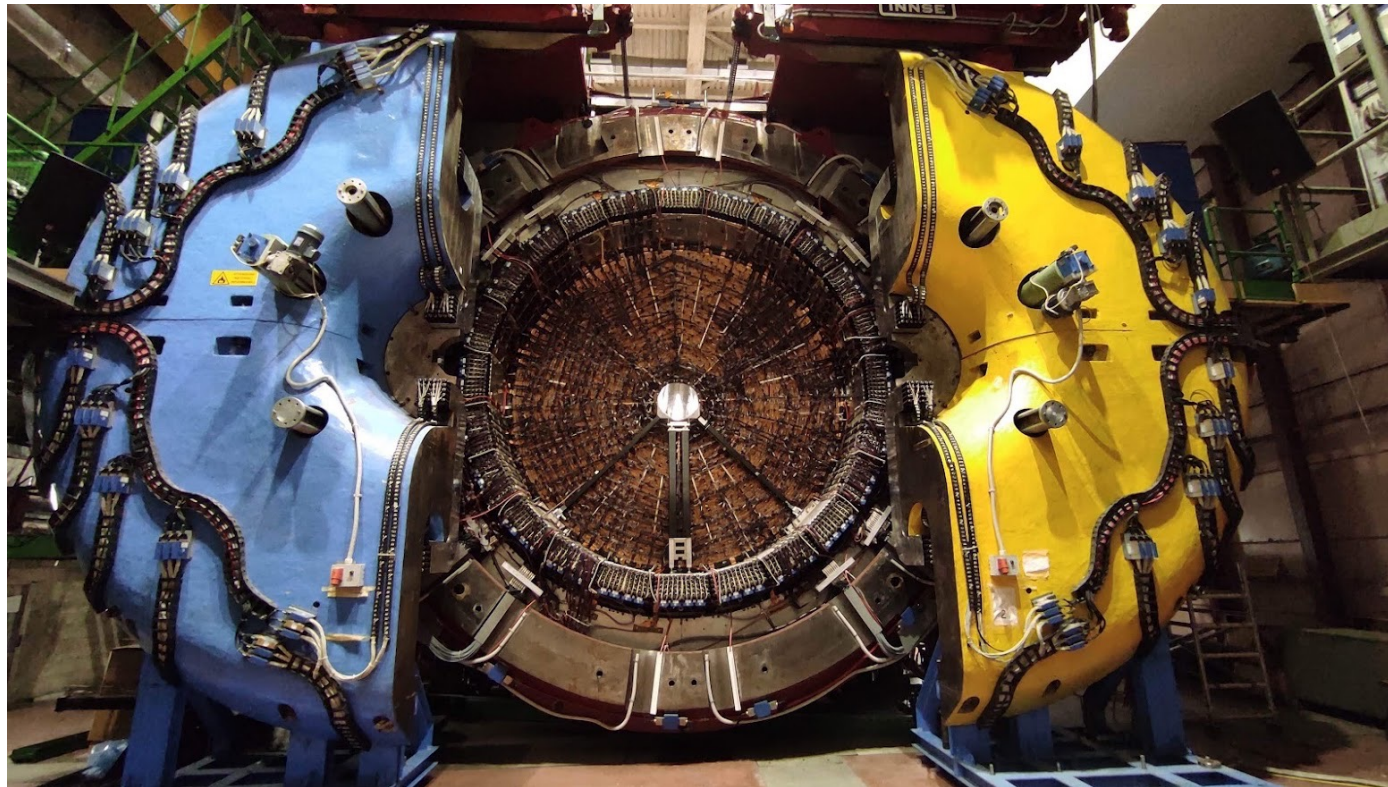
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ECAL meeting - 2 May 2022

- News from Hamamatsu:  
shortage of ceramic spacers between meshes => three months delay for final delivery at FNAL  
now estimated around December 2022.  
Possible partial delivery in September at FNAL (bureaucratic), but no test => need of a stock area at FNAL.
- Progress in the design of extraction tools (ask for funds in the next May CSN2 meeting)
- Start of the preliminary operations (cleaning etc..) by the external company under contract with LNF (S. Gazzana): still waiting official approval from LNF safety office head.
- Use of CERN chip picoTDC to readout the PMT signals of ECAL.
- Dynamic range: check of preamp gain => Simulation needed for the maximum deposited energy in a ECAL cell
- Visual inspection of PMTs

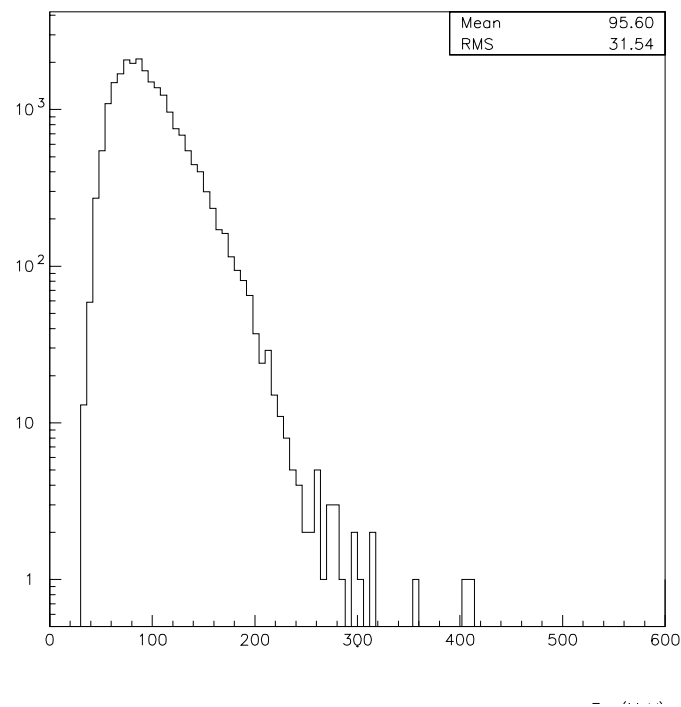


Figure 2: Distribution of the energy deposited by a 510 MeV bhabha in a  $4.4 \times 4.4 \text{ cm}^2$  read-out cell.



# SAND ECAL Working Grup organization

Dismounting PMTs and visual inspection  
PMT-light guide optical contact

