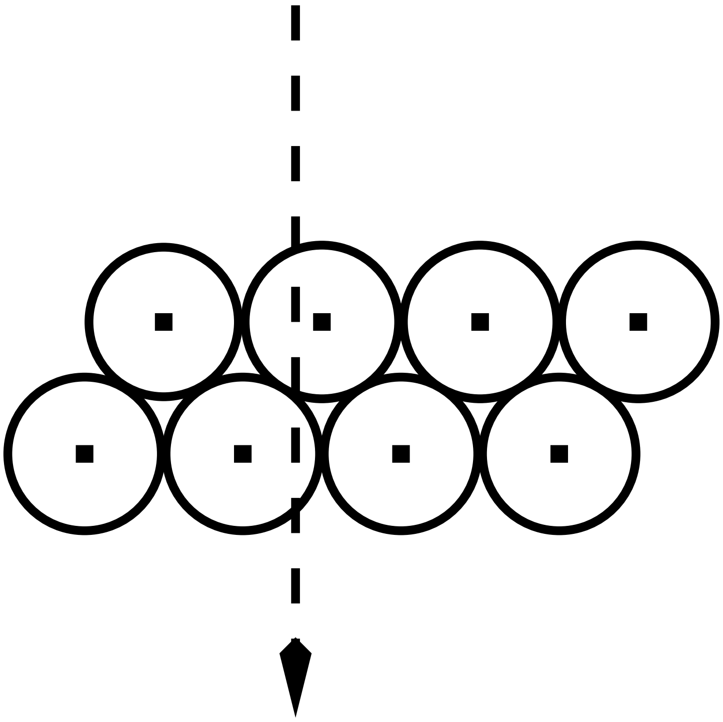
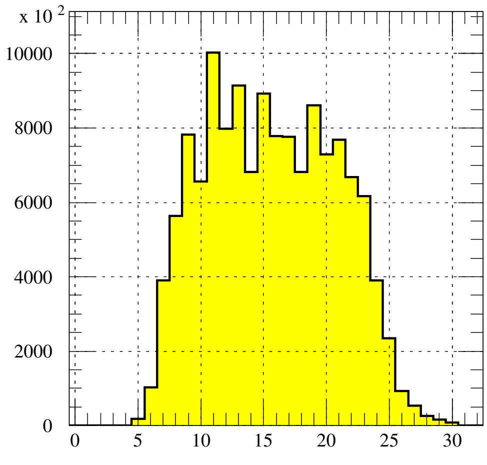
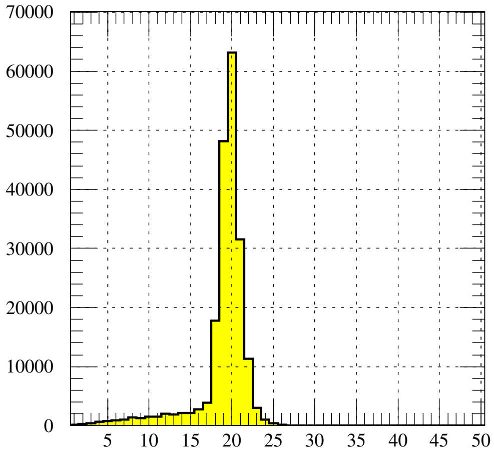
# Drift tubes detector



# Drift time in drift tubes

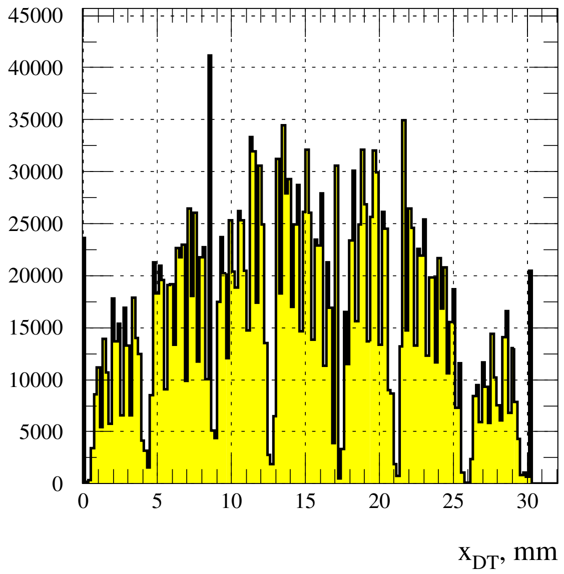


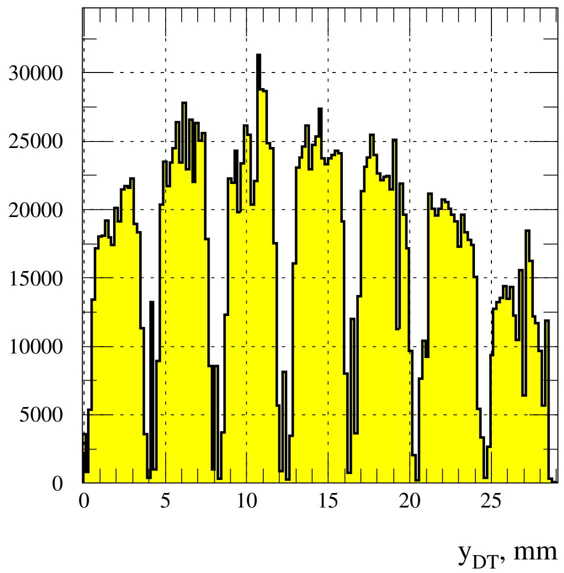

dN/dT, all channels



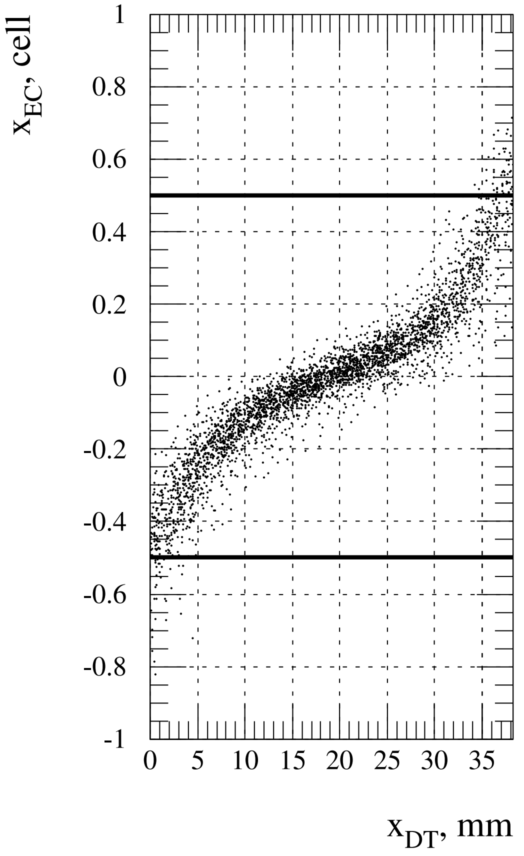

ΣT for tube 1

# Beam profile in drift tubes

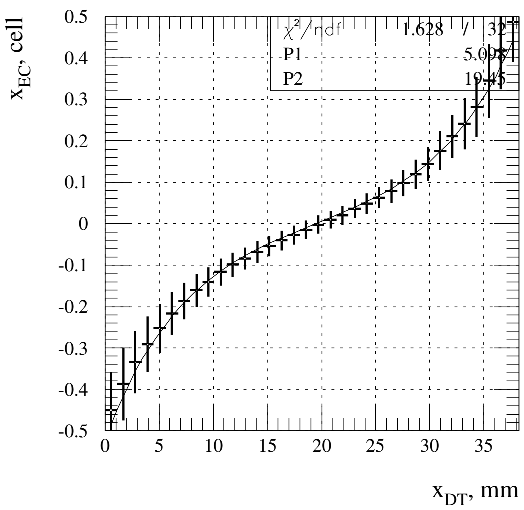


# Coordinate reconstruction in ECAL



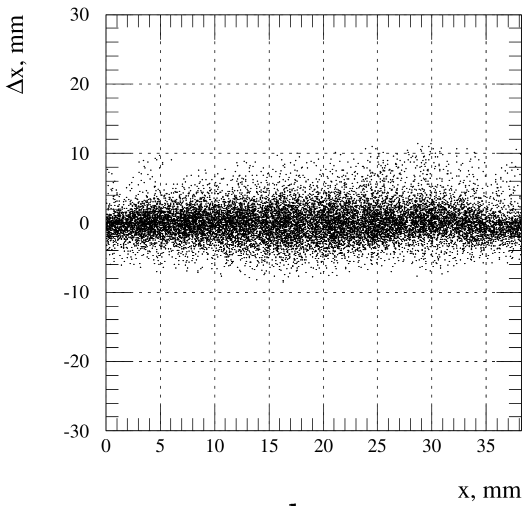

$$f(x) = \frac{\sinh(p_1 x)}{2\sinh(p_1/2)}$$



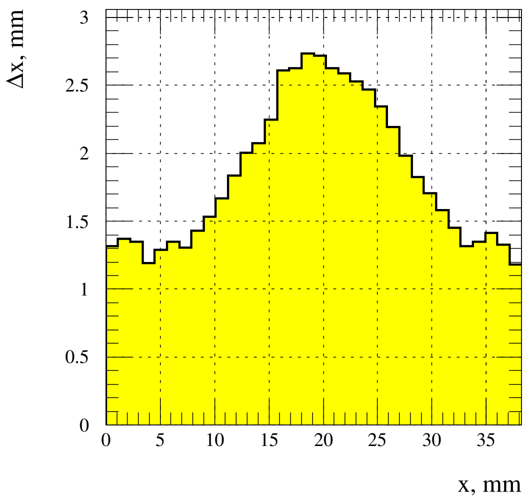

$x_{DT}$ — coordinate measured by the drift chamber

$x_{EC}$ — 1-st moment of the ECAL shower

# Coordinate resolution in ECAL

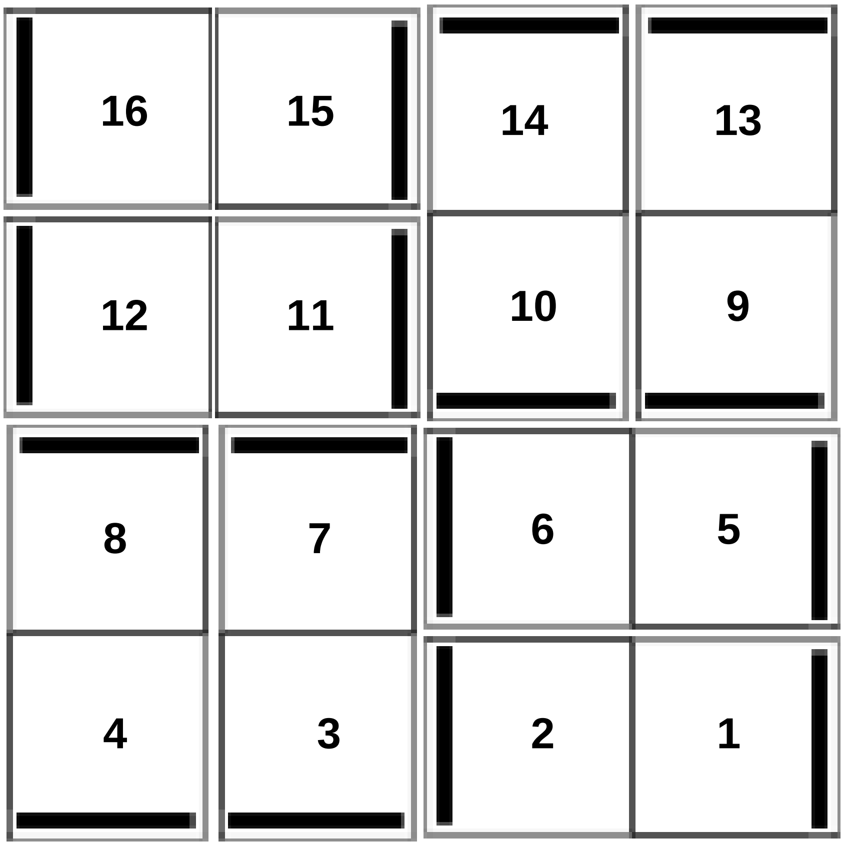



Difference between exact and reconstructed coordinates



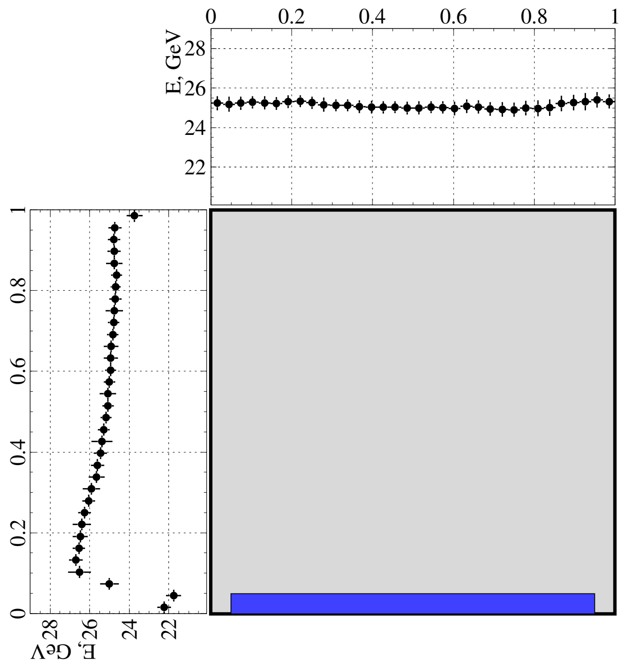

Coordinate resolution vs hit position in a cell is
1.4 – 2.8 mm (rms)

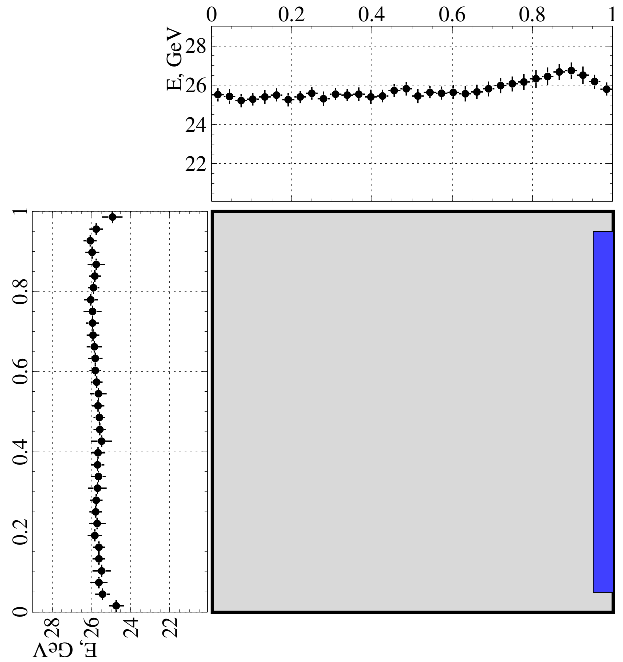
ECAL supermodule:




view from the PMT side

# ECAL cell:
# energy reconstruction vs hit coordinate.




26.6-GeV $e^{-}$ beam is at $3^{\circ}$ to the ECAL normal