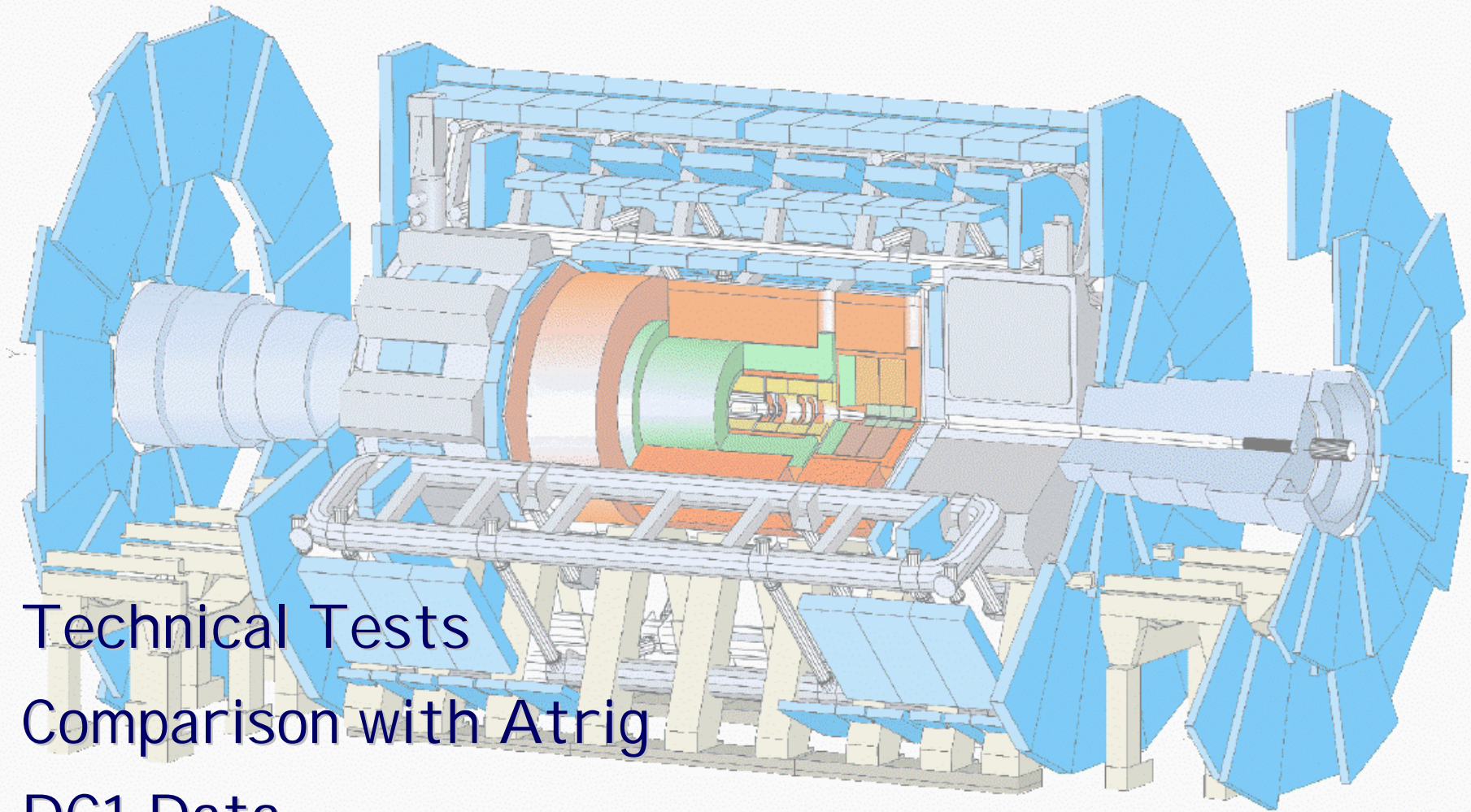


TrigT1Calo Validation



Technical Tests
Comparison with Atrig
DC1 Data



TrigT1Calo Validation

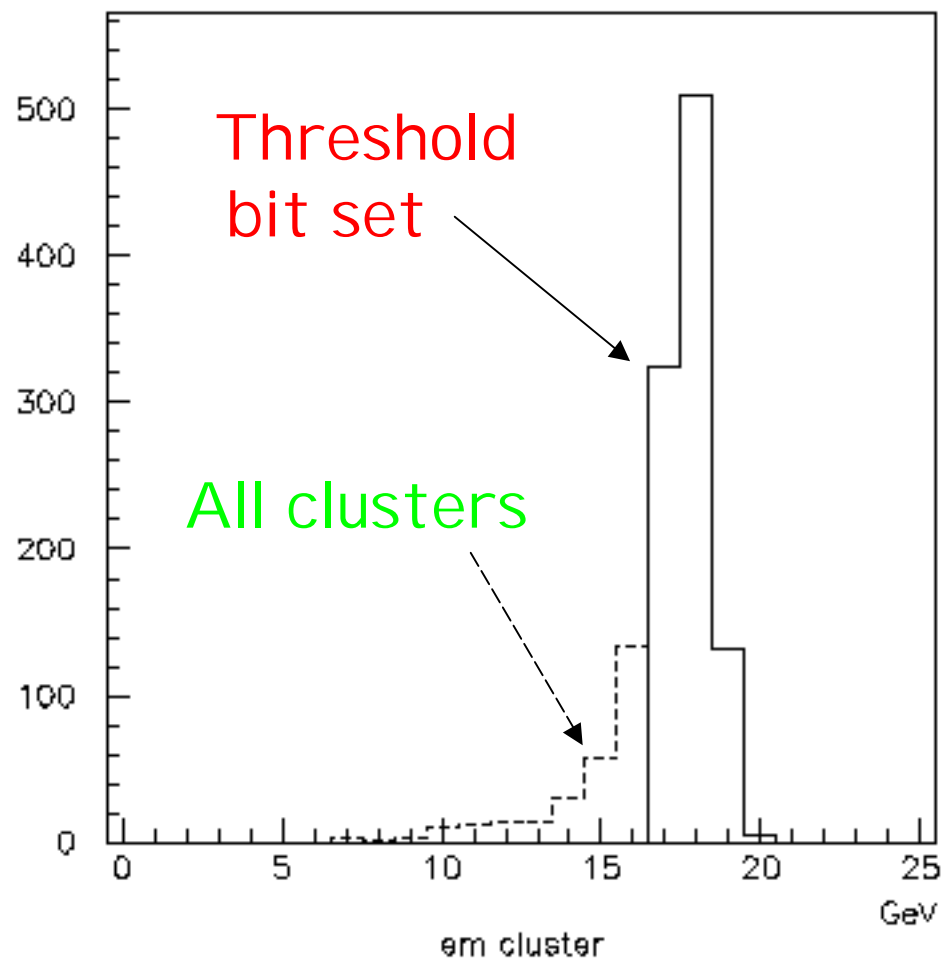
Technical Tests OK

- Cluster, isolation sum formation correct
- Thresholds correctly applied
 - Cluster $>$ Threshold
 - Isolation \leq Thresholds

These conventions allow to disable isolation or switch off threshold

Different from Atrig, but these are correct
- Trigger bits set correctly
 - Thresholds = 1-16
 - Bits = 0-15

Threshold: $E_T > 16$ GeV





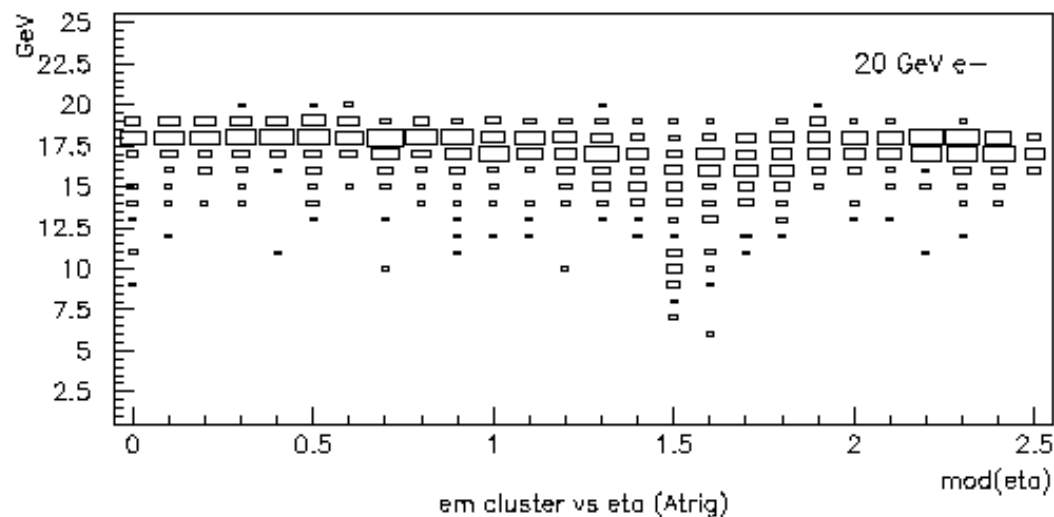
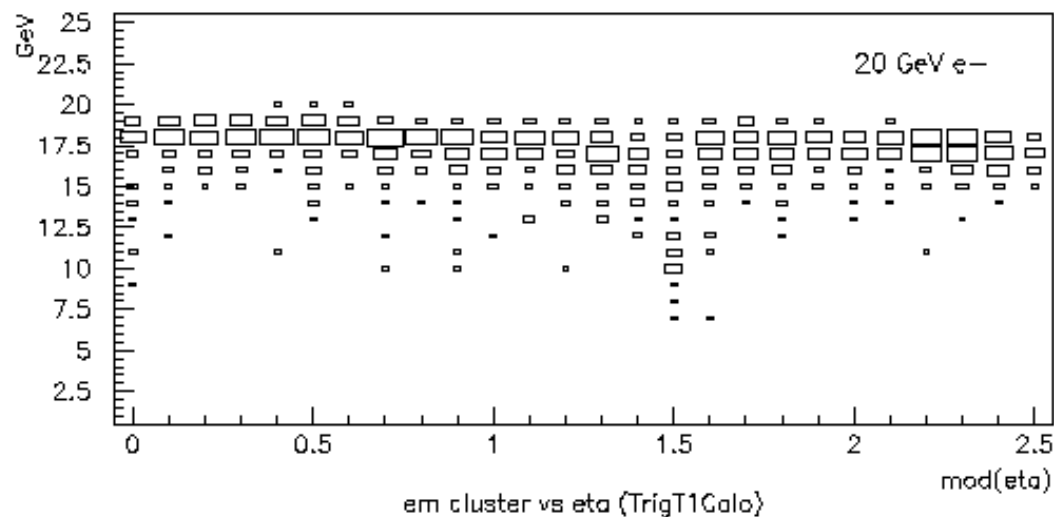
TrigT1Calo-Atrig Comparisons

Conditions

- Turn off Atrig noise, calibrations
 - not implemented in TrigT1Calo
- Use same TDR datasets

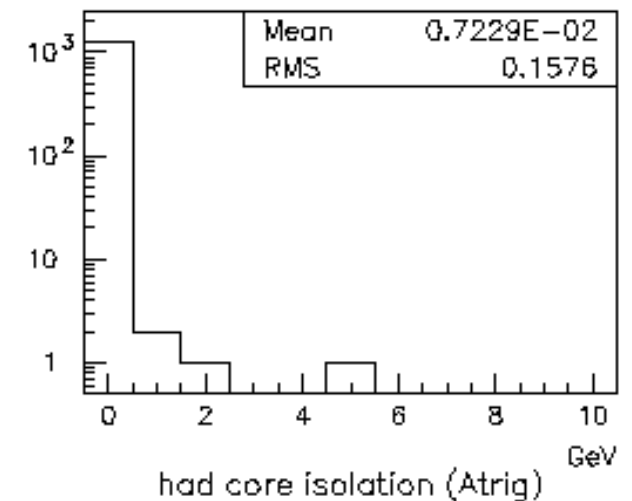
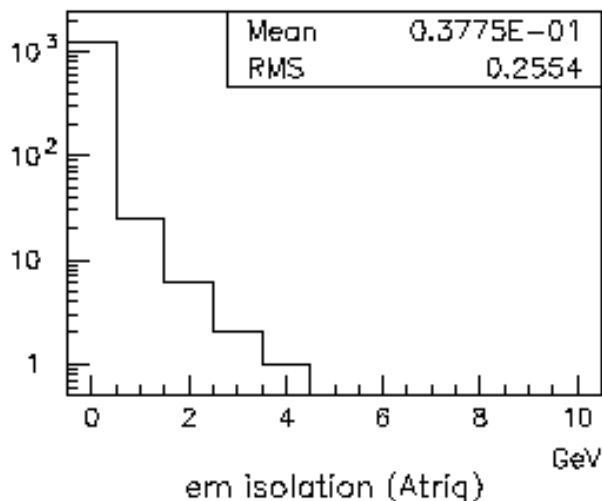
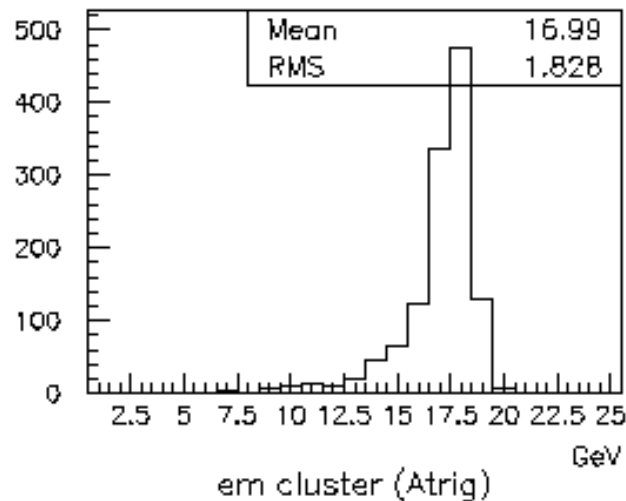
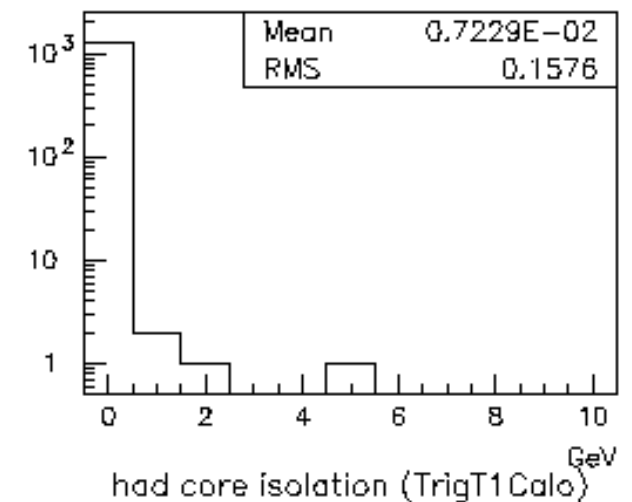
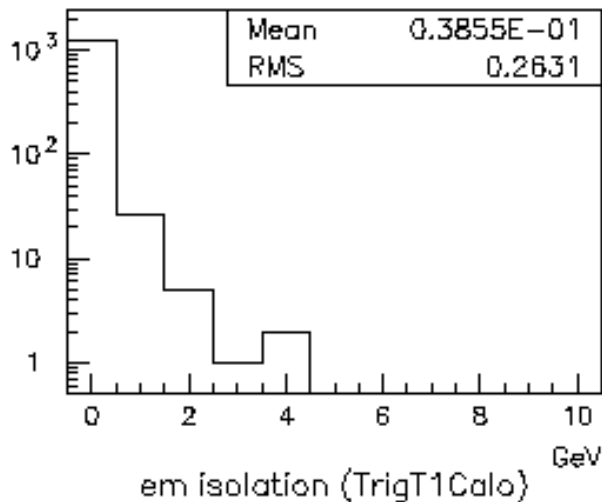
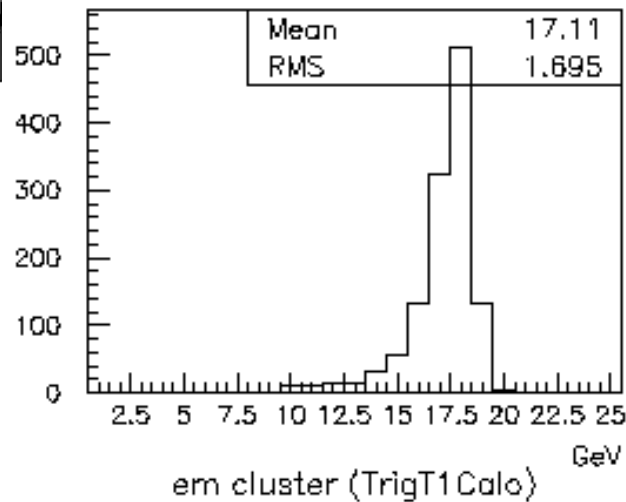
Tests

- Single particle events most sensitive tests
 - few minor problems spotted and fixed
- Distributions not **identical**, but **consistent**





Comparisons - 20 GeV e-





DC1 Datasets

New detector model

- More material
- Larger inter-cryostat gap

Nothing qualitatively different

- some effects more pronounced
- calibrations, thresholds will be different

