First L1 Muon trigger inputs into L2 Muon trigger

German DØ meeting
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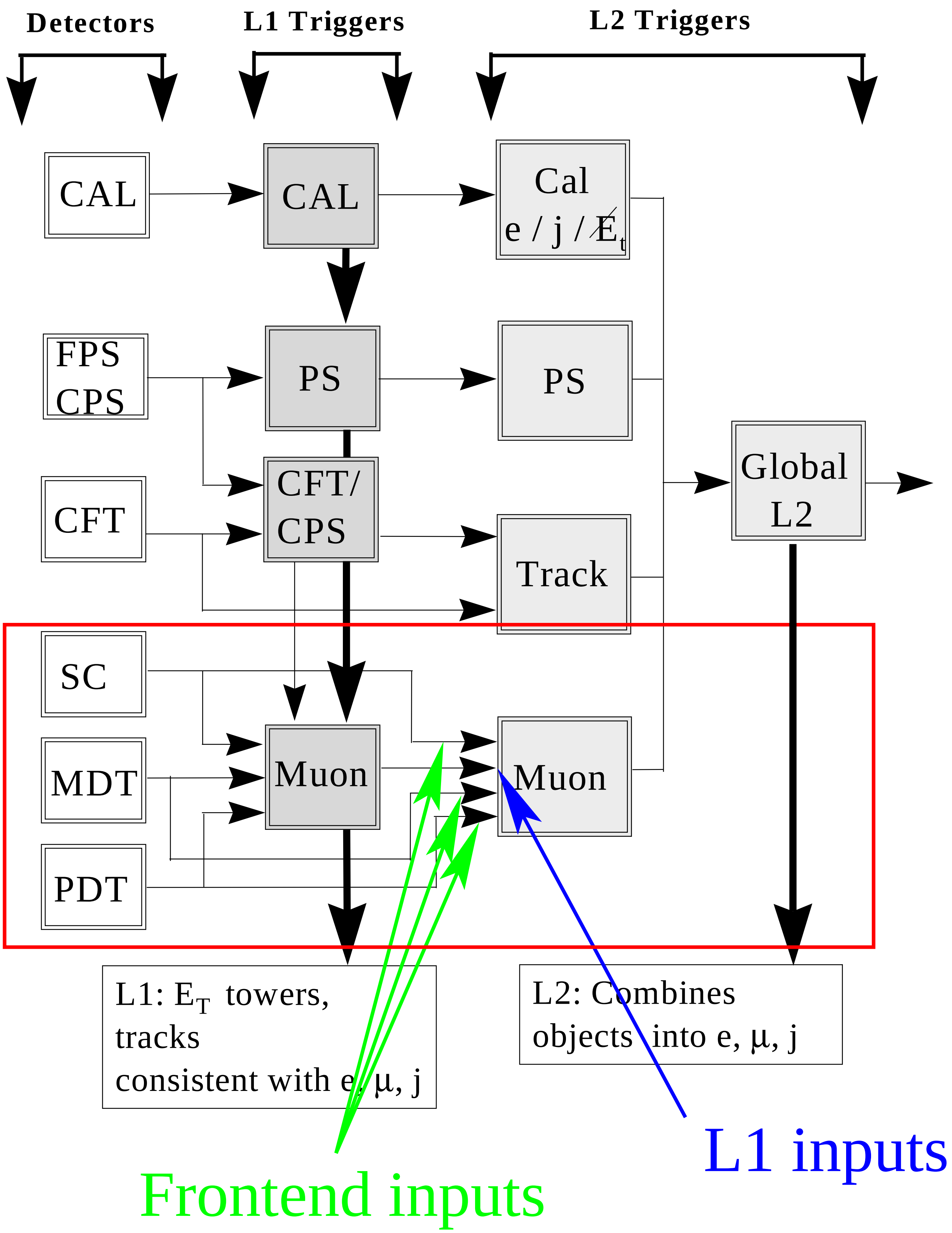
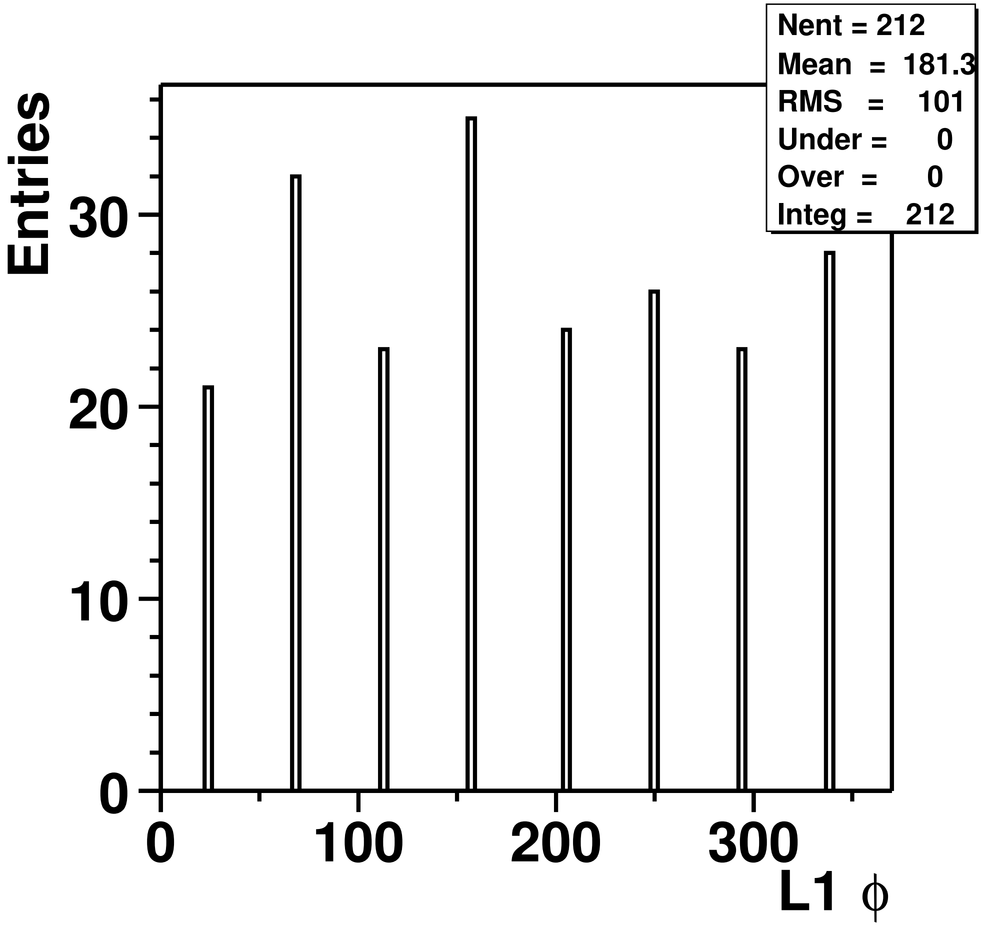
- What is it all about ?
- Plots ...

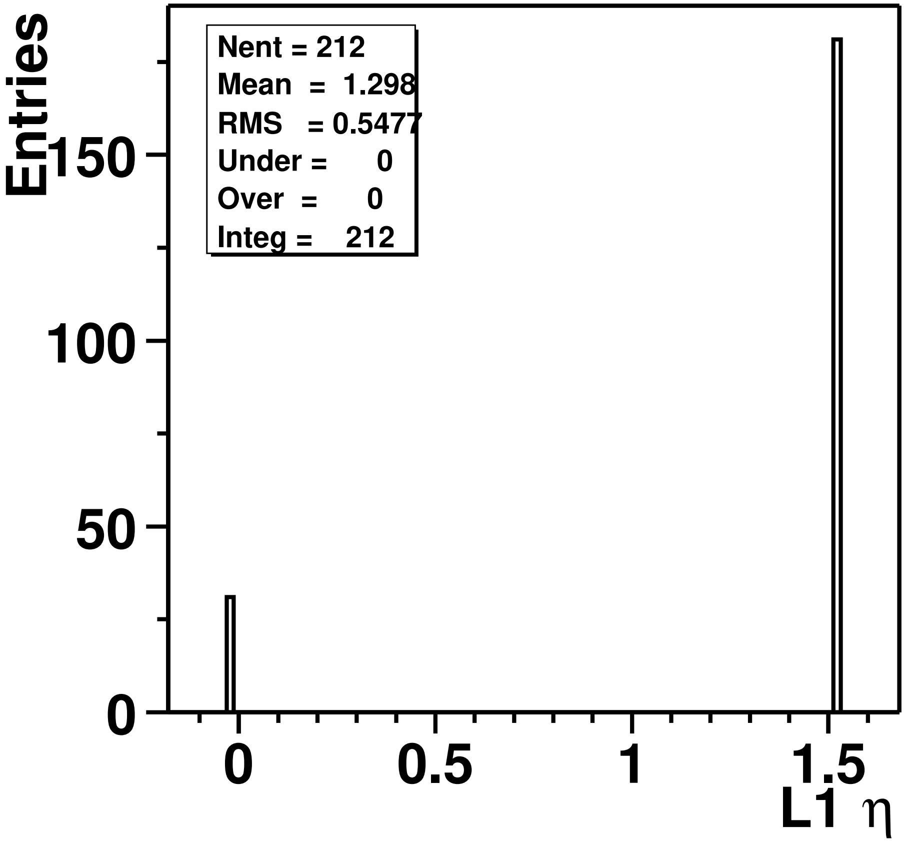
Overview



Detectors
L1 Triggers
L2 Triggers
CAL
CAL
Cal
e / j / $\not{E}_t$
FPS
CPS
PS
PS
CFT/
CPS
CFT
Track
Global
L2
SC
MDT
PDT
Muon
Muon
L1: E_T towers,
tracks
consistent with e, μ, j
L2: Combines
objects into e, μ, j
L1 inputs
Frontend inputs

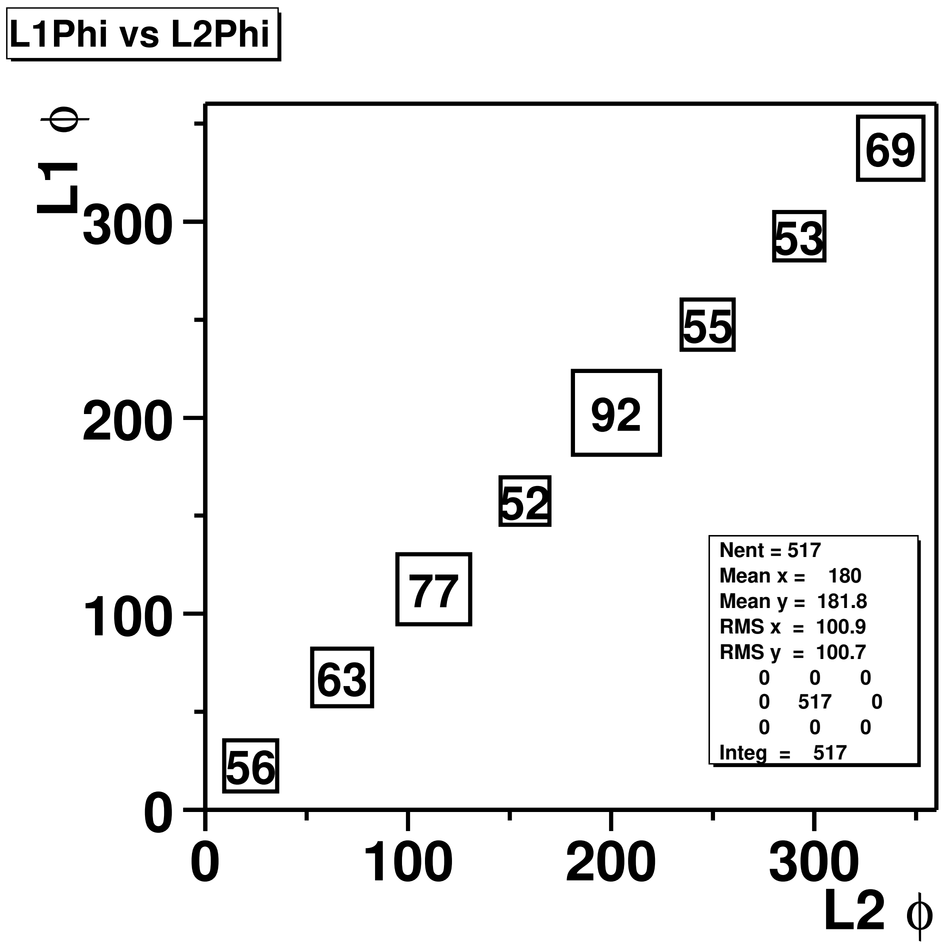
L1 Muon ϕ and η seen in L2



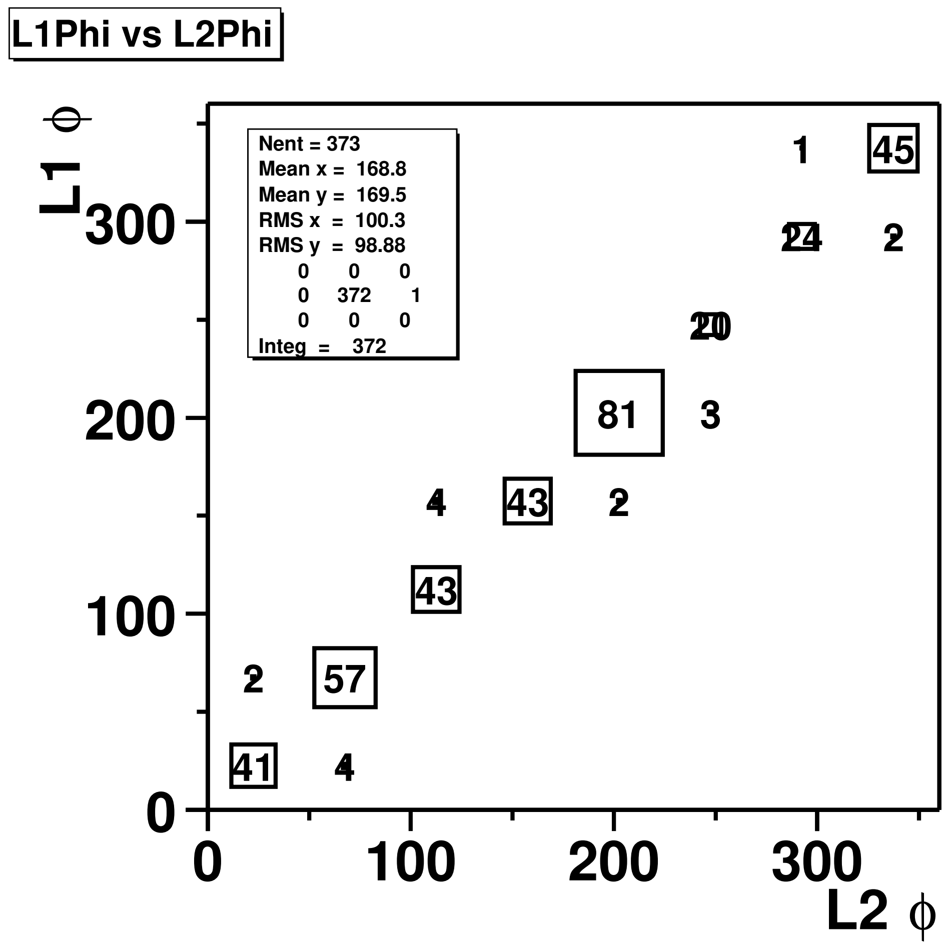


Trigger simulation of single muon MC

L1-L2 ϕ Forward and Central



Forward



Central

Outlook

- ✔ After lots of format changes simulation looks fine
- ✔ Test code online
- ✔ Further tool at hand:
  - CFT information for track matching
  - Further stub quality improvement
  - Efficiency studies