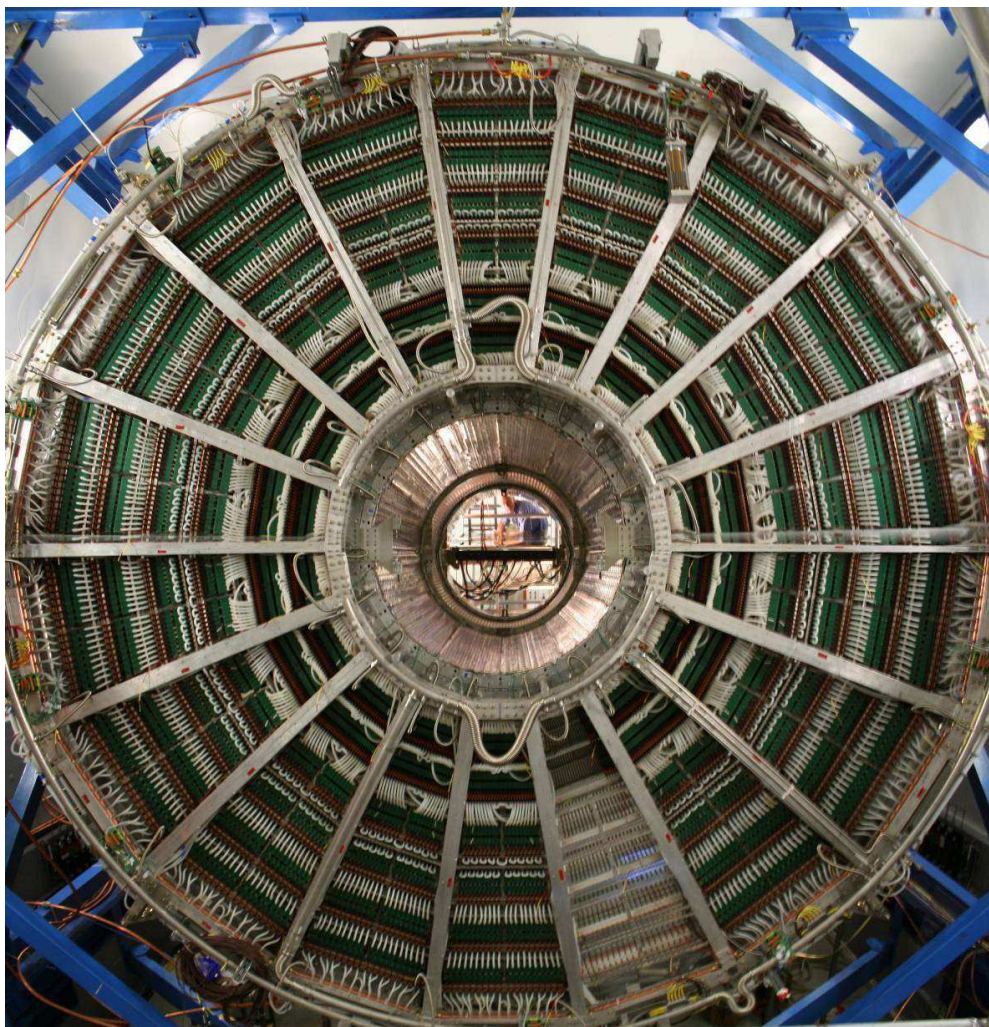


ALICE TPC at a glance

Goal: particle tracking and identification, level-3 trigger for some event classes



Parameters:

- Dimensions:
 $r_{min}=0.85$ m, $r_{max}=2.5$ m, $L=5$ m
- Readout chambers: $2 \times 2 \times 18 = 72$
- Gas: Ne/CO₂/N₂, Volume= 95 m³
- Drift time: 88 μ s (1000 time bins)
- Electronics channels: 560 k (occ.<25%)
- Max. trigger rate: 200 Hz
- Event size: 60 MB
- Momentum resolution:
<2.5% @ $p=4$ GeV/c and $B=0.4$ T