Calorimeter Trigger Evolution

Step 1 (2009)
- ETCC: TPGs
- HTR: TPGs
- SLB
- RMC
- RCT
- Cu
- Matrix & Aux Cards
- GCT: Sources
- GCT/ uTCA
- GCT: Main
- GT/GMT
- FO

Step 2: ↓ OR ↓
- ETCC: TPGs
- HTR: TPGs
- oSLB
- oSLB
- RMC
- RCT
- GCT: Sources
- GCT/ uTCA
- ETCC: TPGs
- uTCA-HTR: TPGs
- oSLB
- oSLB
- RCT/ uTCA
- RCT
- oSLB
- oSLB

Step 3
- ETCC: TPGs
- uTCA-HTR: TPGs
- oSLB
- oSLB
- RCT/ uTCA
- RCT
- GCT: Sources
- GCT/ uTCA

Step 4
- ETCC: TPGs
- uTCA-HTR: TPGs
- oSLB
- oSLB
- GT/GMT

Step 4
- ETCC: TPGs
- uTCA-HTR: TPGs
- oSLB
- GT/GMT
Phase 2 CMS L1 Trigger

Current for LHC:
TPG \ RCT \ GCT \ GT

Proposed for SLHC Phase 2 (with tracking added):
TPG \ Clustering \ Correlator \ Selector

Trigger Primitives

Tracker L1 Front End

Regional Track Generator

Jet Clustering

Missing E_T

Seeded Track Readout

Regional Correlation, Selection, Sorting

Global Trigger, Event Selection Manager