Trigger Framework for One L1 Specific Trigger

Is this an Interesting BX for this Specific Trigger?

And-Or Input Terms

- L0 Trigger
- L1 Muon Trigger
- L1 Cal. Trig.
- L1 Tracking Trig.

And-Or Input Network for this L1 Trigger

And-Or Fired Rate

An Asserted And-Or Fired means that this BX has all the characteristics that this L1 Trig. is looking for. This L1 Trig. would like to Readout the Detectors.

Which Geographic Sections need to Readout in Response to which L1 Specific Triggers Firing

Specific Trigger Fired Rate

AND Gate

Specific Trigger Fired

"Mapper"

Map 128 L1 Trig's onto 128 Geographic Sections

128 L1 Accept Signals to the Geographic Sections Via the SCL Hub-End

Sources of "Disable"

- COOR Disable
- L3 Disable
- L1 Busy
- PreScaler
- Some And-Or Terms

Specific Trigger Exposed Rate

Specific Trigger Exposed

An Asserted Specific Trigger Exposed signal means that this L1 Trig is Allowed to Fire at this time.

COOR Disable Logic for this L1 Trigger "OR"

May the TFW Allow this Specific Trigger to Fire at this time?

COOR Disable Logic for this L1 Trigger "OR"

Scalor = Scaler Count or Rate Information

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