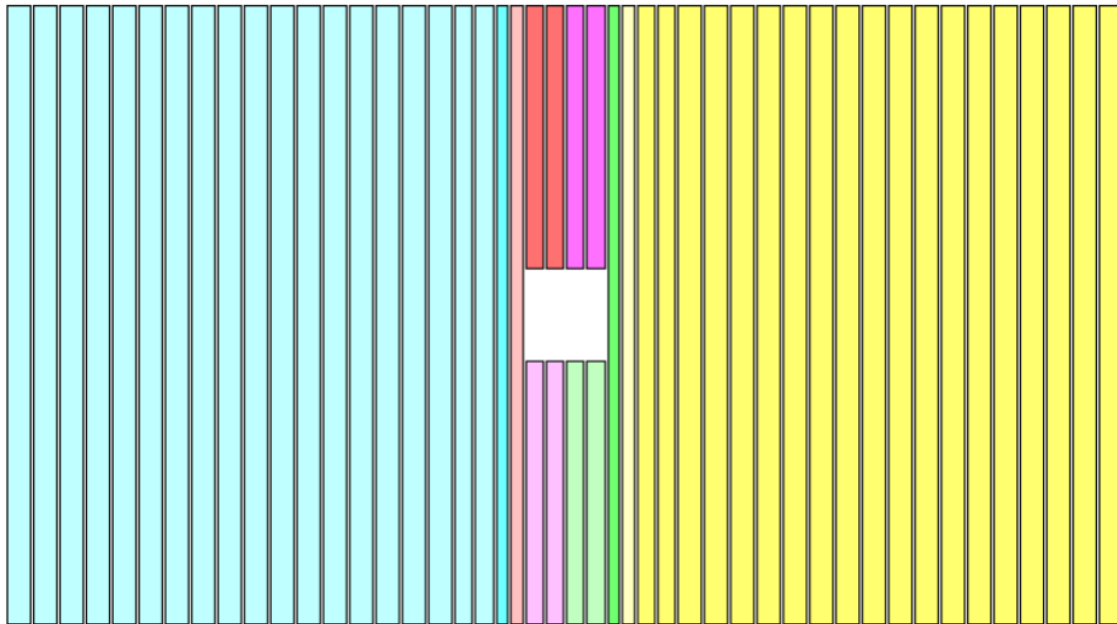


CPP trigger specifications list

- 1) Top-Bottom TOF PMT coincidence time window width (for full-length counters) — 40 ns
- 2) PMT signal peak amplitude threshold for triggering signal (adjustable from config. file) — 30 mV
- 3) TOF trigger bits number per TOF plane — 10
- 4) TOF counters grouping into trigger word scheme:
19-1-1-2-2-2-2-1-1-19 as shown below (different colors for different groups):



Trigger grouping: 19 1 1 2 2 2 2 1 1 19

- 5) Trigger word bits coincidence time window width — 40 ns
- 6) Trigger condition: **at least two active trigger word bits per TOF plane**
- 7) CPP TOF trigger should be able to work in parallel (ORed) with the FCAL, PS and Random triggers