Understanding Coda evio an scaler events

SCALER event: what is inside ?



? Can we use event_Tag variable in analysis ? why MORs are twice less vs rate ?

? Scaler events are not fully unpacked ? What else usefull we can have from them: SCALER bank, time, ...?

? Livetime = clk_gated / clk_ungated × (?) ts2_gated / ts2_ungated ?

*) Bad TS event size: 10 words in two-free adjacent events, Missing REF TDC in the same events (frequency ~ 1/1300)

Other questions

- TRIGT TDC to $ns = exactly 0.5ns \pm ?$
- Time between 2 scaler events = $10 \sec \pm ?$
- Clock frequency (~1MHz) and clock trigger frequency (~1kHz)
- Slope in TAGM_LR time in Clock events (tiny)
- Understanding yield correction (stolen window, multihit resolution, dead time):



• Why always 4 MOR in TRIGTHIT for MOR events (with one hit around 0 time in almost all cases)?