Trigger validation

News on 13.0.20 and 13.0.30

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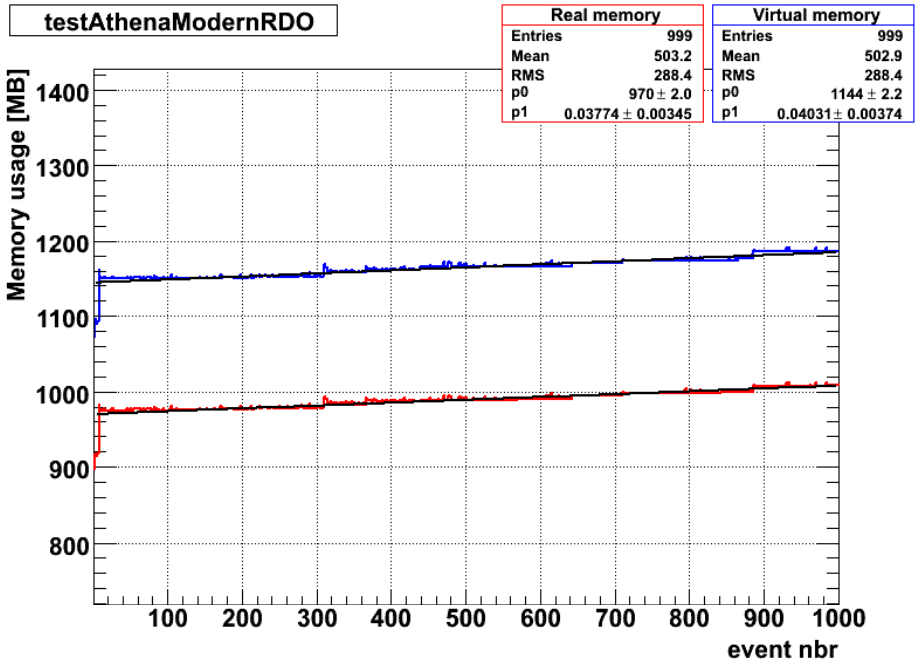
Memory leaks in 13.0.30 nightlies

- Spent last ~2-3 months chasing memory leaks all over the trigger code
  - Rel.13.0.30 is now in much better shape, although still ~50kB/ev for combined trigger running on top events
  - Not one isolated leak, many have been found



Test	Initial virt.mem.	Leak/event
All slices, no output	~1.1 GB	~20-40 kB
All slices, BS output	~1.0 GB	~100-250 kB
Muon slice	~950 MB	~30 kB
Jet slice	~850 MB	~10 kB

Memory leaks in 13.0.20

- 13.0.20.x to be used for detector paper performance section due to delays in 13.0.30

- But crashes due to mem.leaks at >200 events
  - Best-case scenario is that 1 leak corresponds to most of the total leaks
  - One large leak may have been identified so far, but still looking

Running in AthenaMT:

•Events preloading into memory causes jump

•Large difference between 13.0.20 and 13.0.30