
Subject: Trigger OR

Posted by [a_boso](#) on Mon, 23 Mar 2015 13:34:20 GMT

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Dear all,

during the experiment we run with an OR of different triggers.

According to FRS runsheets the different possibilities are:

- 1-Clock
- 2-Lycca Calibration
- 3-Agata Calibration
- 4-Hector Calibration
- 5-FRS trigger box
- 6-Particle+Hector
- 7-Particle+Agata
- 8-Particle+Hector+Lycca
- 9-Particle+AGATA+LYCCA
- 10-Particle reduced

What happens if an event satisfies more than one trigger condition? is it labeled with both trigger or only one?

For example: our trigger was an OR of triggers 3,8,9,10. If we have an event which is detect by FRS, AGATA and LYCCA (trigger number 9) and it satisfies also the FRS downscaled trigger (number 10), is it marked with both triggers or only one? And if the latter is the case, which trigger is chosen?

We need this information to estimate the number of incoming ions; can we just multiply the number of events with trigger 10 (properly gated) by the down scaling factor or do we have to take into account also the events labeled with other triggers?

Thank you very much! =)

Alberto