
Subject: Re: FRS-AGATA-LYCCA dead time
Posted by [a_boso](#) on Mon, 25 May 2015 05:15:35 GMT
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Hi Michael,

trigger 10 is FRS downscaled, so in principle it does not require a gamma detected in AGATA, right?

Actually the effect of using or not the --strict-merge-option makes a difference. I don't know what these "pure mbs events" are, but they are $\sim 1/3$ of the total mbs events. But, as you said, if the two DAQs were not initialised properly, we can not use this option.

But if we require a strict-merge, aren't we overestimating the cross section? I mean, if an ion passes through the target without interacting and without producing any gamma ray, we will not count it with the strict-merge option, while we should in our cross section measurement. Am I right?

If we are not able to take into account the dead time, the only way seems to be the comparison between target and beam peaks..

Cheers,
Alberto