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Subject: FRS-AGATA-LYCCA dead time  
Posted by [a\\_boso](#) on Sun, 24 May 2015 05:56:20 GMT  
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Dear all,

how can we take into account the detectors dead time?

In our cross section measurement, for example, we need:

1) the total number of incoming ions: we obtain this from the FRS ID plot, requiring trigger 10 (FRS downscaled) and no strict-merging

2) the number of gammas in the peak. Here we require coincidences between AGATA-FRS-LYCCA.

I suppose the dead time of the system is different in these two situations, so it will not cancel out in the cross section calculation. Do you have any idea about this?

Thank you very much!!  
Cheers,  
Alberto

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