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Subject: Re: Study of energy loss of GEM!

Posted by [Anonymous Poster](#) on Tue, 26 May 2009 11:32:20 GMT

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No worries

Well then my question would be: Why do you want the Eloss signal from a GEM. It has huge Landau fluctuations (I guess around primary 30 e- in average or so), so you cant use it for PID. The only thing you can use the amplitude for is for looking for amplitude correlation in a double strip readout for pattern recognition and I assume that will be done. And of course we will need either ADC or TDC for the readout at the end of the day. And you can guess the amplitude of a charge pulse if you measure time over threshold in a TDC.

But maybe there is something I didnt think of?

Cheers, Christian

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