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Subject: Re: z-Position of the Lumi Monitor

Posted by [Lars Schmitt](#) on Wed, 29 Jul 2009 13:58:45 GMT

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Dear Miriam, dear Tsito,

Bernd will be back Thursday next week. Concerning the beam pipe: The wall thickness usually is 2% of the diameter, at least for something like Al.

The size of the beam pipe is as given by HESR at the moment. This comes from a time before any lumi monitor. Here input is actually needed from you. Best coordinate closely with the HESR people. Clearly the numbers are not fixed yet for the part downstream of the target spectrometer.

Within the 2m space for the lumi monitor any adjustment of beam pipe diameters has to take place. This holds especially for the outgoing direction. For the upstream side of course physics plays a role: All elastically scattered pbar you want to measure with the lumi monitor should be contained in the pipe. Maybe the best strategy is to open up early on, e.g. soon after the MVD to the required diameter and then have a rather big pipe all the way to the lumi monitor.

Regards,

Lars

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