Subject: z-Position of the Lumi Monitor
Posted by Miriam Fritsch on Wed, 17 Jun 2009 13:36:00 GMT
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Hi,

what is the z-range we could use for the Lumi detector ??

Cheers,

Miriam

Subject: Re: z-Position of the Lumi Monitor
Posted by Inti Lehmann on Mon, 22 Jun 2009 15:00:21 GMT
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Hi Miriam,

I recall now, why I didn't choose the forum as means of communication for the magnets. One cannot do anything offline and this beast even forgets my password....

Anyway, for the dimesions you should look at:
http://www-panda.gsi.de/html/det/int/panda_v0.1.15.pdf

In doubt, Bernd is the one to be asked.

Cheers,
Inti

Subject: Re: z-Position of the Lumi Monitor
Posted by donghee on Thu, 23 Jul 2009 10:11:56 GMT
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Hi Inti Lehmann,

I cannot access this file.
http://www-panda.gsi.de/html/det/int/panda_v0.1.15.pdf

I have already GSI forum ID and GSI account, but authentication is failed with these account.
Do I need some additional registration?

Thank you!

Subject: Re: z-Position of the Lumi Monitor
Posted by StefanoSpataro on Thu, 23 Jul 2009 10:23:38 GMT

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You need to use the standard panda password for the panda website, not your personal account.
Just ask somebody in your group (I do not think writing it in the forum would be wise).

Subject: Re: z-Position of the Lumi Monitor
Posted by donghee on Thu, 23 Jul 2009 10:41:21 GMT
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Hi Stepano,

I have seen there is no indication and designing of Lumi.
This is only a general panda drawing and nothing else for Lumi.

Where is the location for Lumi-monitor, correctly in pandaroot?
or where can I find the Lumi geometry in pandaroot?
/pandaroot/Lumi ?

Thank you!

Subject: Re: z-Position of the Lumi Monitor
Posted by StefanoSpataro on Thu, 23 Jul 2009 10:57:33 GMT
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The developer of "lumi" package is Tsito.
Just ask him (maybe he does not read the forum continuosly).

Subject: Accessibility
Posted by Inti Lehmann on Fri, 24 Jul 2009 10:05:07 GMT
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Hi all,

Let me play devil's advocate

The format, delivery and access to those mailing lists is so poor, that you should send any urgent questions to me directly:
i.lehmann@physics.gla.ac.uk

Cheers,
Inti

PS: If someone would manage to remove the "New reply to" from the subject line it may already help a bit...

Subject: Re: z-Position of the Lumi Monitor
Posted by Bernd Lewandowski on Tue, 28 Jul 2009 12:23:23 GMT
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Hi Miriam,

after bringing together the actual numbers of the detectors in the forward spectrometer: The z-range of the Lumi detector is 10500mm to 12500mm.
At 10500mm the outer diameter of the beampipe is 110mm, same as at the z position of 12500mm.
So the parts to change the beampipe diameter for the Lumi detector are included in the 2m (z=10500mm - 12500mm).

Best Regards,
Bernd

Subject: Re: z-Position of the Lumi Monitor
Posted by Tsitohaina Randriamalala on Tue, 28 Jul 2009 12:49:00 GMT
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Hi Bernd,
How about the beampipe thickness in this 2 meters lumi monitor region?
Thanks

Subject: Re: z-Position of the Lumi Monitor
Posted by Miriam Fritsch on Tue, 28 Jul 2009 12:54:26 GMT
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hi Bernd,

thank you for the numbers !! Why the number of 110 mm diameter was chosen ?? Is there a reason ??

Cheers,

Miriam

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