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Subject: Operation of MVD at interaction point  
Posted by [donghee](#) on Thu, 17 Jun 2010 09:46:38 GMT  
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Dear MVD experts.

I'm wondering about the operational condition of MVD near the interaction and beam pipe region.

Will be cooled inside the beam pipe by cooling system?  
or just room temperature in vacuum?

I expect that the MVD itself will operate with some other cooling system and thus keeping much lower temperature.

Could you give me the rough value of expected temperature inside MVD at interaction region?

Cheers,  
Donghee

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Subject: Re: Operation of MVD at interaction point  
Posted by [Ralf Kliemt](#) on Thu, 17 Jun 2010 10:08:18 GMT  
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Hello Donghee,

I think your question is not put to the right place, since this is the software forum. However I'll try to answer as much as possible.

To be clear about the design of the MVD I'd like to point to the Wiki:  
<http://panda-wiki.gsi.de/cgi-bin/view/Mvd/MvdPublic>

The Mvd is outside the beam pipe. Housed in Air, not vacuum. There is a cooling system foreseen that takes the heat of the frontend electronics away. The Design of the cooling system is under study by now and you can find some information on the Collaboration meeting slides. I take it that you are not present in Stockholm.  
<https://indico.gsi.de/conferenceDisplay.py?confId=1019>

Why do you need to know the temperatures?

Kind regards, Ralf.

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