

---

Subject: radiation hardness tolerance of MVDdetectors  
Posted by [asanchez](#) on Tue, 05 Feb 2008 10:47:11 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Dear all,  
i'm trying to  
evaluate the particle rate which will  
be loaded on the silicon strip detectors devoted for  
the hypernuclei project. As you probably  
know the silicon sensors will be similar to those used by you in the MVD detector.

The problem in my case is that i'm using a nuclear target  
instead of the hydrogen target used by PANDA(standard), and that can produce a high particle  
rate on the sensor.

So my question is what is the radiation hardness at which  
the microvertex is planned to work properly.  
I have taken a look into the TPR but i don't know if the number  
included there is already obsolete.

Could you tell me if there is more actual information  
concerning this issue.?

Thanks a lot  
best regards

ALicia.

---