

---

Subject: absolute scaling of the geometry files[SOLVED]?  
Posted by [Raphael Cervantes](#) on Tue, 13 Nov 2012 22:37:06 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hi all,

I am trying to figure out what the absolute scaling of the geometry files are (whether it's in centimeters, millimeters, or whatever). After talking to a colleague, we believe that the parameters in the geometry files are in millimeters and the resulting root files created when you run a detector displays the mcpoint parameters in centimeters. However, I am not entirely convinced and I would like to have a definite confirmation.

So can anyone chime in and tell me what the absolute scaling of the geometry file parameters are?

Thank you,  
-Raphael

P.S. sorry if this information is readily available. But I haven't been able to find it in the forum or in the fairroot website.

---

---

Subject: Re: absolute scaling of the geometry files?  
Posted by [Stefano Spataro](#) on Tue, 13 Nov 2012 22:47:15 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

The basic units are cm and GeV, everywhere.  
The ONLY exception is when you define the geometry with the ASCII definition (.geo), Hades style, where the numbers are in mm.

---

---

Subject: Re: absolute scaling of the geometry files?  
Posted by [Raphael Cervantes](#) on Wed, 14 Nov 2012 19:54:15 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Thank you so much for the clarification.

-Raphael

---