



W2D2 Memo #3 – November 2, 2017

Hello again everyone,

I realize you just got Memo #2 and here is Memo #3. The reason is that one of our participating teachers sent some great questions that cover some important points. Here is that exchange, edited only a bit:

- > For a while HYPATIA2 did not seem to work for me. I just got a blank screen.
- > It seems to work now.

Apparently the server was down for awhile. It's back!

- > The screencast is helpful. At about 3:24 and 3:41, when you discuss the y-z
- > view you say "we start from the x-axis" and "from the positive x-axis". Isn't the
- > beam the z-axis? You did call it the z-axis earlier in the screencast. I am
- > guessing you just made a mistake?

You guess right. I goofed. In the z-y plane the horizontal axis goes with the beamline and it is the z-axis.

- > You said we only enter our data once in the spreadsheet, each school
- > enters data, not each pair of students. If I give a pair of students data set 21
- > and another group 22, then under dataset used in the spreadsheet I should
- > list both data set 21 and data set 22 on one line, right?

Exactly right.

- > I was looking through some of the events. What if there is only one track?
- > (not the red track, I know not to look at that one). Do we measure it?
- > I also see some with 4 tracks and I see some that have a pink track.

Only one track or 4 tracks are background. (However, 4 muons can be *very interesting* background.) Pink track: I took a look. The lines beneath the event images give specific information about individual tracks. When you choose a line, that track with which it is associated gets highlighted in pink (or violet, depending on your color-sense).

Send more questions and comments!

All the best,

Ken