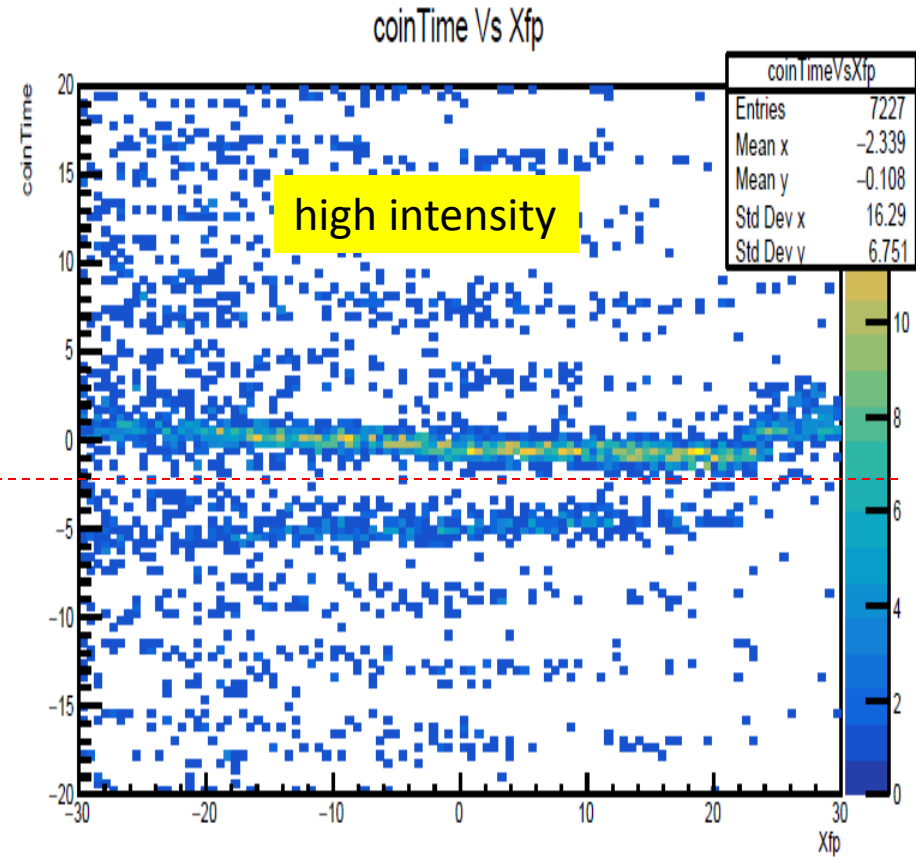
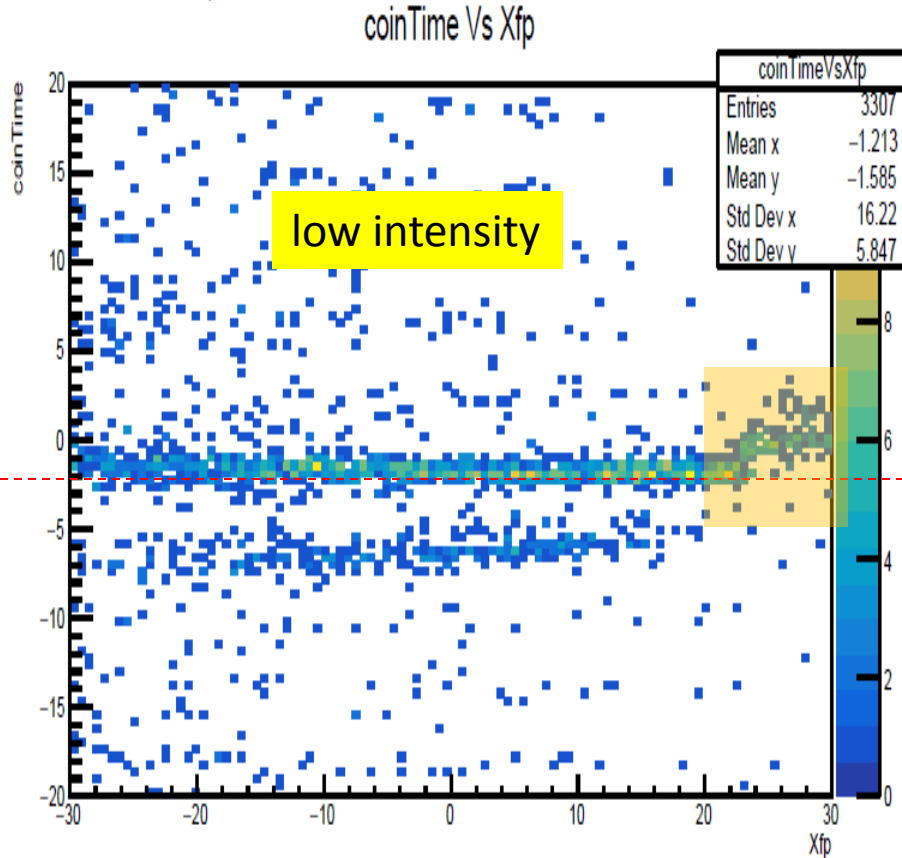


The left plot looks very good.\* On the other hand, the right plot has a linear correlation with Xfp that is very hard to blame on a factor of 2 increase in rate. (Of course, Xfp is correlated with both X'fp and delta, but it looks like Xfp is causation and not merely correlation.)

*Back to someone's question from Friday's 1:30 meeting: is it possible the pathlength corrections aren't being applied to the high rate run on the right? Or, a hypothesis I like even better, being applied wrongly because the spectrometer momentum, or the mass of the particle of interest, has been incorrectly entered in a kinematics dbase?*



\* Minor detail: it looks like at least one bottom hodo paddle (yellow block) needs an updated timing offset. That was a suspect for the right-most satellite peak in your 1D coincidence timing plot, and your nice plot pretty much confirms this. Perhaps Simona had to change its HV significantly after her most recent offset fits in the database?

Here are your plots of ctime versus delta. I don't think delta is the causative variable. Certainly not for the little blob on the right. At a delta of +20%, the range of X'fp angles probably means you can hit two different paddles, one with the right timing offset and one with the wrong timing offset.

