

1) FYI, HDIce "owns" the beamline height, presently designated to be 87" above the floor. You guys know your target, you need to make sure 87" beamline height is going to work. Now is the time to tell us the right number for beamline height

2) Please pick a fiducial for the HDIce target and let's all agree to use this during our discussions. e.g., a valve on the front of the IBC. The fiducial should be something that makes mechanical designers happy, and one that will never change. We will use this fiducial when discussing where things get positioned relative to HDIce

3) This item relates to where we put some important things. WE can move these numbers around during the design phase but we have to start with some thing. let's pick some rough numbers now

3a) where do we put HDIce relative to the north wall of Cave2. Let's agree on some starting point space where we will put a beam dump, what else do we install downstream of the target, besides the dump?

3b) where do we put the raster relative the HDIce? We will have four quads on the elevated beam line, between the vertical chicane and the HDIce target. Naively, it seems easier if the raster lived downstream of the quads. Easier because setting the raster spot size would be relatively independent of quad settings/optics. At one point, we all agreed the raster magnets would be relatively simple and weak compared to 6 or 11 GeV rasters, and still be able to move the beam over a 1" target face. What is the closest distance the raster can be relative to HDIce

4) Do you have a raster beam pipe for us, what are the dimensions?

5) Did you and Ceugas determine if we have some raster electronics and magnets to use at UITF?

6) We think Physics needs to own the design and construction of HDIce target

support apparatus. This designer would also "own" the vertical installation aspect of the target, how it rotates with attached plumbing, etc., WE figure someone in Physics designed something for its use in Hall B. Zarecky?

7) Our designer needs a designated point of contact for mechanical questions. Can it be the guy who will design the target support apparatus? Over time, our designer will need to incorporate HDIce IBC plus all the other stuff that is part of the target.

8) It might seem nitpicky but it would be great to move the north wall of Cave2 the extra 2' that is allowed. This was the initial plan, but the overhead crane did not have enough translation to get one of the T-shaped blocks into the nice puzzle-piece position afforded by the test cave wall. Can we come up with a clever means to get one of the t-shaped blocks wedged into the original position, without using the overhead crane. We gain valuable Z length for the cave this way, and we might need it.