**The SuperB-SVT Test-Beam**

**@CERN-SPS in H6B – [13,19] November 2012**

In this document I described the needs for the SuperB-SVT test-beam, occurring in the period [12,19] November in H6B, on the basis of what we experienced in 2011. I don’t know exactly the current status of the experimental area (about platform, instrumentations, Eudet telescope, …) and these informations could be useful to prepare the area in advance, i.e. during the next MDs, if possible. I added some links to the pictures we took in 2011, because in principle we have to do the same thing.

We already agreed with Pestonik (the Belle II PID group who is sharing the beam with us) that they go to station H6A.

On the 8th of November a small truck will come to bld. 887 (after registration) and leave two pallets with the mechanical pieces of our movable table. We would need a fork-lift with an operator to get the pallets out of the track and to put these pieces on the ground, in the main area in front of the gate:

<https://picasaweb.google.com/morsanipicasa/CERN_20110916?authkey=Gv1sRgCNTB5dq95OWqVQ#5653242122912935586>

All the other stuff is scheduled to arrive late in the afternoon of Sunday 11 (November) with a small truck. We’ll park that in front of the Bld. 904. Early in the morning of Monday of the 12th we’ll register our instrumentation at the Reception des Marchandise, and then we’ll arrive to the building 887. Again we would need a fork-lift with an operator to get the pallets out of the track, and then a trolley could be useful to take the card-boxes near the station H6B.

We think to use a small portion of this area to temporarily store our stuff: <https://picasaweb.google.com/morsanipicasa/CERN_20110916?authkey=Gv1sRgCNTB5dq95OWqVQ#5653242149469675794>

Then, for the following days, it would be nice to have a safe (i.e. closed by a fence) area where to store our spare instrumentation. In 2011 I received also a key.

I contacted the responsible person of the test-beam in H6B before us (Lemmon). He is happy if we start installing our DAQ outside the ilk area already on Monday. We need two standard CERN racks already positioned just in front of the fence of H6B, on the right of the exit door (downstairs), and a table where to store our DAQ/control PC (we know that nobody can stay there during normal beam operation):

<https://picasaweb.google.com/morsanipicasa/CERN_20110918?authkey=Gv1sRgCLCIlZG6xfrSpwE#5653738207301575682>

On the left of the same door, we need the manifold of the pressurized air, to use with our filter, to cool and dry our detectors. We would need also this time the back pipe with the first pressure meters already in place:

<https://picasaweb.google.com/morsanipicasa/CERN_20110919?authkey=Gv1sRgCLLUq_zp_pyYlAE#5654190295445314626>

Let’s go inside the experimental area. Here I assume that the Eudet telescope can be lowered and put off beam. The platform at a height of 80 cm from ground will host our movable table and two CERN rack s for the electronics. I rely on the fact that that platform will be in place also for us:

<https://picasaweb.google.com/morsanipicasa/CERN_20110919?authkey=Gv1sRgCLLUq_zp_pyYlAE#5653984749632695826>

Our movable table must be mounted outside and then taken inside the area by the crane. For positioning the table inside the beam area we would need the CRANE with its operator at 8:00 on the morning of the 12th (The CRANE and will be needed again in the morning of the 19th to dismount our apparatus). This is how our experimental set-up appears:

<https://picasaweb.google.com/morsanipicasa/CERN_20110919?authkey=Gv1sRgCLLUq_zp_pyYlAE#5654335996829378834>

The movable aluminum platform/ladder would ne extremely useful, to pass the cables from the detectors to the DAQ racks:

<https://picasaweb.google.com/morsanipicasa/CERN_20110919?authkey=Gv1sRgCLLUq_zp_pyYlAE#5654190344991294994>

To start the beam, the course I made last year is still valid?

<https://picasaweb.google.com/morsanipicasa/CERN_20110919?authkey=Gv1sRgCLLUq_zp_pyYlAE#5654190299136466450>

Schematic Layout of the H6B area:

