

## Minutes of WP-meeting 193

### Attendance:

DESY: Andrii Chaus, Leif Jönsson, Felix Müller, Astrid Münnich, Klaus Zenker

Fuzebox: David Attie, Paul Colas, Jochen Kaminski, Shin-ichi Kawada, Michael Lupberger, Ron Settles, Jan Timmermans

### General News:

Jochen announced that Andrea has reserved Seminarraum 1 for the LCTPC collaboration meeting on June 30<sup>th</sup> and July 1<sup>st</sup>. Therefore, the date is final.

Starting at 14:30 today there will be a preparatory meeting for the AIDA-2 proposal from the gaseous detector workpackage. There are three expressions of interest from LCTPC: Leif has submitted one for work on the electronics and the pad plane, Ties has submitted one for building an external tracking device (around the LP, but within PCMAG) and Bonn has submitted one to implement the readout of Timepix3 in the SRS.

### PCMAG/LP setup, test beam:

Astrid: test beam area:

- The floor in all test beam areas will be refurbished during the shutdown: An epoxy coating will be placed on the concrete. This is good for our setup, since the floor will be more level and it will hopefully be easier to connect the mounting cart to the rails in the PCMAG. For this work all the equipment has to be removed from the beam area except the stage and the magnet, which can stay there.

### News from the groups:

Jan reported on the test beam campaign with 2 Octopuce modules on March 1<sup>st</sup>. He first recalled his experience during the construction and testing of the 2 Octopuce modules and showed several pictures of the setup. The modules were mounted on the top left and lower right corner and the beam was directed so that it passes over both Octopuce and the central MM module. In this configuration data was taken for 7 hours on March 1<sup>st</sup>. In total about 50,000 triggered events could be recorded about half of them with no magnetic field and the remaining half with  $B=1T$ . Beam was positioned at various drift distances between 1 cm and 50 cm. The largest fraction of the data was taken with a potential of  $U_{\text{grid}} = -300$  V on the grid and  $U_{\text{MM}} = -380$  V on the shield and the grid of the 5 MM modules. A few runs with various voltages on the InGrid were taken. Jan showed several event pictures of tracks. He now plans to test the two modules more rigorously at NIKHEF with a radioactive source and the UV laser setup. He also wants to analyze the data recorded at DESY and prepares a proposal to the NIKHEF management to design, construct and test a full LP module.

### AOB:

The next workpackage meeting will take place on April 3<sup>rd</sup>.