

## Minutes of WP-meeting 199

### Attendance:

DESY: Ralf Diener, Leif Jönsson, Claus Kleinwort, Felix Müller, Astrid Münnich, Oliver Schäfer, Amir Shirazi

Fuzebox: David Attie, Alain Bellerieve, Paul Colas, Keisuke Fujii, Takahiro Fusayasu, Katsuma Ikemat, Jochen Kaminski, Bo Li, Takeshi Matsuda, Ron Settles, Akira Sugiyama, Junping Tian, Jan Timmermans

### General News:

The agenda of the collaboration meeting was discussed and some suggestions for presentations were made.

Jochen remarked that there was an ALICE-TPC special day during the last RD51 mini-week. There were many interesting presentations.

### PCMAG/LP setup, test beam:

Ralf: PCMAG/TRACI/test beam area:

- The refurbishment of the floor in the test beam areas is delayed because of bureaucratic hurdles.

LP:

- The new endplate has been unpacked and placed in the FLC lab. The mounting of the termination plates has started, but going slowly, since some modification (e.g. grounding) have to be redone differently from the first endplate.

### News from the groups:

Bo has studied the field distortions of the Asian GEMs' sector separations with the help of simulations. For this he calculated with Elmer the influence of the 0.5 mm and 1 mm wide gap between the GEM sectors on the electric field and has then used GARFIELD++ to study the influence on the electron distribution because of the new field configuration. Finally the simulation results were validated with laser measurement. He finds that the effect of the track distortions has two different reasons: In case of a magnetic field,  $E \times B$ -effects are of course responsible. However. For inclined tracks ( $|\varphi| > 0$ ) also the diversion of the electrons into the gap and thus the reduction of the confinement of the signal to only a part of the pad, leads to an apparent track distortion in the last pad row. The comparison between the simulation and the laser measurements show a convincing agreement.

### AOB:

The next workpackage meeting will take place on July 17<sup>th</sup>.