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Subject: Meetings

Posted by [Harald Appelshaeuser](#) on Wed, 24 Mar 2004 13:57:51 GMT

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Dear colleagues,

this is a brief summary of the TRD readout chamber construction meeting on February 26 at GSI.

- 1) we have agreed that a fast and efficient exchange of technical information between the different production sites is desirable. I promised to come up with a proposal which I will communicate to you in a separate message.
- 2) to facilitate the preparations for the upcoming mass production, the different chamber types together with a detailed production schedule should be assigned to the various sites. The goal is to produce as few as possible different types in a given site. This is mostly constrained by the timely delivery of the pad planes, which requires another iteration by David.
- 3) the preparation of a detailed construction manual has top priority. Based on the present experience at Heidelberg, almost all necessary information should be available. This manual should contain a detailed description of procedures, tools and materials (e.g. glue, cleaning agents etc) as well as mechanical tolerances. Clemens agreed to work on it and spot the remaining open issues.
- 4) we also need a detailed description of all necessary test procedures. Again, most of the information needed should be at hand.

The following tests are presently foreseen:

- optical inspection of wire after each winding
- check of wire tension and positions (using the Muenster device)
- check of wire contact
- leak tightness
- electrical strength
- gain uniformity

Open issues are:

- flow rates, voltage settings, radiation source, test duration etc.

Johanna agreed that the description of the test procedures can be worked out in Heidelberg.

Regards, Harry

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