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03.07. 2000

STATUS

of work on the HEC project at Protvino

1. *Machining*

The machining of the copper plates of modules CR22, CR23 is advancing in parallel starting from the plates #42. At present 10 lower plates for each module are manufactured, however the plate #36 of CR22 is found to be produced with significant deviations from the drawing and now its new copy is urgently preparing. The machining of all plates of these two modules will be finished by the middle of July. All items of the st. steel support structure are already done.

The rough machining of all plates of modules CR15 and CR16 is completed and the final machining of their flanks is started. The mechanics of both these modules will be ready by the end of October.

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2. *Stacking*

Stacking of the module CR22 has been started in the middle of June but is advancing rather slowly because of high humidity of air. Therefore in contrast to the stacking in Feb.- March honeycomb mats must be dried before stacking in the vacuum box and then by the current in a layer, so only one-two copper plates can be stacked per day. The stacking was conducted on-line : the new copper plates have been put on the module soon after their production before the whole module is finished.

Now because of the spoiled copper plate stacking of the module CR22 is postponed with only seven layers stacked. The new copper plate can be produced in a week.

Meanwhile the stacking of the module CR23 is started and by now four layers are finished.

Both modules will be stacked and tested by the middle of Aug.. We plan to deliver them to CERN in the middle of Sept..

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3. *Perspectives*

At IHEP we have copper for producing one module more (CR14) in the framework of the ATLAS Agr. 53/99. Its machining was delayed because lack of resources, but could be started in July.

Now we have bought at “Krasnyi Vyborzhetz” plant the copper for five new modules, which will be delivered to Protvino in July. The machining of this copper will be started at the end of the year.

Since the modules CR15, CR16, CR14(?) will be stacked at MPI we see no problems with the stacking of modules at Protvino during this year.