

Preparation of the RACK cabinet of the Slow Control System for the MPD detector

Purpose and objectives of the project

Space inside the rack cabinets on the NMP is limited. The racks must contain all the equipment needed to safely operate the MPD experimental setup. Moreover, some unstandardized devices will be mounted on the NMP. Due to these facts, space management is an essential part of the design of the NMP.

Tasks for the student:

- a. Preparing excel sheet template to collect data about the equipment (Excel)
- b. Preparing the manual (e.g., Word)
- c. Finding the optimal way to transfer data (research work)
- d. Connecting data from the sheet with the 3D model (Inventor, iLogic)
- e. Preparation of the documentation (e.g., Inventor, Word)

Note:

To better understand the project, check other projects that this supervisor offers to students.

It is possible to continue cooperation, for example, in the form of an engineering or a master's thesis and further scientific contacts.