

1. Report outline --- Detector Mechanical Overall and Installation

14 Detector Mechanical Overall and Installation

14.1 Design of the underground detector hall

14.1.1 Detector Mechanical Overall Design Requirements(**installation**)

14.1.2 Layout of the underground detector hall(Include **experiment** and **auxiliary** Hall)

14.2 Overall mechanical design of detectors

14.2.1 Layout of the general Drawing

(Requirement: **weight, dimensions, clearance, accuracy**)

14.2.2 Installation design of the yoke iron(zero-assist tool)

14.3 Design of sub-detector connection structure

14.3.1 Fixation and Connection of the magnet(**simulation**)

14.3.2

14.4 Overall installation design of detectors

14.4.1 Overall Installation plan(include **alignment**)

14.4.2 Installing and fixing of the magnet

14.4.3

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14.5 Auxiliary facilities and supporting equipment

14.5.1 Cryogenic system

14.5.2 Cooling system

14.5.3

14.6 Summary and question

2. Progress and plan --- Designing and writing simultaneously

Hall Drawing

Smooth progress:

- ← 1. Design of the detector hall
(纪全、张俊嵩)
- 2. Yoke and magnet
(夏商、裴亚田)
- 3. Sub-detectors
(张俊嵩、付金煜、侯少静、裴亚田)

