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Surveying and mapping of site selection for HIAF and CIADS

Chinese Accelerator Driven Sub-critical System (CIADS) is capable of transmuting radioactive nuclear wastes and meanwhile producing energy in a clean and safe way, aiming to produce a maximum design current of 15 mA at the 1.5 GeV energy with an operating frequency of 162.5 MHz. High Intensity heavy ion Accelerator Facility (HIAF) based on the experience and technological developments already achieved at the existing HIRFL facility, aims to expand nuclear and related researches into presently unreachable region and give scientists possibilities to conduct cutting-edge researches in these fields. This paper presented the geomatics of site selection for HIAF and CIADS. We introduced the surveying and mapping of 1:500 topographic map, geology exploration based on Physical detection method and Optimized Calculation of Earthwork for Leveling up Construction Site.

Summary

Author: Mr YUAN, jiangdong (imp,cas)

Co-authors: Mr CAI, guozhu (imp,cas); Mr ZHOU, luncai (imp,cas); Mr WANG, shaoming (imp,cas)

Presenter: Mr YUAN, jiangdong (imp,cas)