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Comparision and Study in Measurement Accuracy of height Difference between laser tracker and level

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On the basis of data which we measured in the last few years in BEPCII tunnel, we compare and study in measurement accuracy of height difference between laser tracker and level. Compare error of laser tracker in single station and level is 0.087mm. The results show that the accuracy of laser tracker measuring vertical network in single station meets the requirement of accelerator physics. the accelerator vertical measurement ,laser tracker can instead of level certainly.

Primary author: Mrs MEN, Lingling (Institute of High Energy Physics)

Presenter: Mrs MEN, Lingling (Institute of High Energy Physics)

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