

技术及应用

北京HI-13串列加速器近期状况

胡跃明, 阚朝新, 包轶文, 苏胜勇, 游曲波, 王晓飞, 杨涛, 范宏盛, 方玉庆, 刘德忠, 关遐令, 杨宝君, 夏清良

中国原子能科学研究院 核物理研究所 串列加速器研究运行室, 北京 102413

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摘要 北京HI-13串列加速器一直保持良好的运行状态。近几年, 根据设备的运行状态和实验室的发展需求, 陆续完成了注入器升级改造、能量重新刻度、分析磁铁电源改造、主真空系统改造等技术改造工作。新建两条专用实验束流线, 正在进行辐射防护系统的改造。本文介绍串列加速器的运行情况, 重点阐述技术改造的完成或进展情况。

关键词 [注入器升级改造](#); [能量刻度](#); [辐射防护](#); [束流管道](#); [真空](#)

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Recent Status of Beijing HI-13 Tandem Accelerator

China Institute of Atomic Energy, P.O. Box 275-62, Beijing 102413, China

Abstract Beijing HI-13 tandem accelerator was in good operation in the past years. Considering the operation status of the equipment and the development demands of the laboratory, several upgrading projects were completed which include the upgrade of the injector system, energy recalibration and improvements of the main vacuum system and the power supply of analyzing magnet. Moreover, a new special beam line was established and another one is under construction. The improvement of the radiation protection system is also in process. In addition to introducing the operation of the tandem accelerator, this paper describes the improvements of HI-13 tandem accelerator in our laboratory.

Key words [injector upgrading](#) _ [energy calibration](#) _ [radiation protection](#) _ [beam line](#) _ [vacuum](#)

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