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C1Or2A-01: Maintenance of SCL3 cryogenic helium plant for Korean heavy ion accelerator after 3 years operation

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The cryogenic helium plant for SCL3 section of Korean heavy ion accelerator (RAON) has been successfully operated in approximately 16,000 hours during past 3 years. Therefore, several maintenance activities are necessary to prevent any failures and keep the performance of the cryogenic helium plant. The maintenance items are divided with two parts according to its characteristics. The first part consists of the preventive items which are suggested by the manufacturer of the cryogenic helium plant. The other items are defined by us during our own operation experience to repair several failed components and improve any inconvenience on the normal operation. The maintenance items, our promotion direction of the maintenance and the maintenance result will be introduced in this paper with spent budget.

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