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Improvement of Resonance Frequency Control Mode in Resonance Control Cooling System at KOMAC

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A 100-MeV proton accelerator is under operation at Korea Multi-purpose Accelerator Complex (KOMAC). The resonance control cooling system (RCCS) has provided the cooling water to drift tube linac (DTL). The resonance frequencies of the DTL tanks are controlled by using the RCCS, installed at every DTL tank. RCCS has two operation modes including the constant temperature mode and the resonance frequency control mode. The control modes must be improved continuously for stabilizing the radio frequency. In this paper, the preparations for improvement of the RCCS control mode are described.

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Paper submission Plan

Yes

Best Presentation

No

Contribution track

ICABU WG1. Accelerator Systems

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