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RF preparation of QWR cavities for beam commissioning

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QWR cavities are prepared for beam commissioning. RF conditioning is performed for each QWR cavity. The total heat load including static and dynamic heat loads are measured for each cavity. The helium pressure fluctuation is reduced by changing the flow rate, supply pressure, return pressure, liquid helium level in reservoir, cryogenic valve control, etc. The cavity pressure is monitored during RF preparation. The amplitude and phase of the QWR cavity are stably controlled for beam commissioning.

Funding Agency

Footnotes

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Yes

Primary author: KIM, Heetae (Institute for Basic Science)

Co-authors: GIL, Danhye (Institute for Basic Science); JANG, Hyojae (Institute for Basic Science); KIM, Juwan (Institute for Basic Science); SON, Ki Taek (Institute for Basic Science); LEE, Min Ki (Institute for Basic Science); JEON, Sungmin (Kyungpook National University); KI, Taekyung (Institute for Basic Science); JUNG, Yoochul (Institute for Basic Science); KIM, Youngkwon (Institute for Basic Science)

Presenter: KIM, Heetae (Institute for Basic Science)

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