

# Low Level RF Workshop 2022



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## FRIB LLRF STATUS UPDATE AND EARLY OPERATION EXPERIENCE

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The Facility for Rare Isotope Beams (FRIB) was fully commissioned by the end of 2021 and opened for full user operation in May 2022. In this paper, we give an update of the LLRF activities at FRIB for the past few years, including commissioning of the linac segments 2 and 3, and the performance achieved. As the facility transitioned from commissioning to operation, effort has been devoted to spare parts management and development of troubleshooting tools. The experience from early stage operation will be discussed including automation of cavity turn on/off, conditioning, and auto-restart. Efforts on new LLRF hardware platform development for the FRIB upgrade cavities will be presented briefly as well.

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