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The FRIB Decay Station initiator and its Active Stoppers

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The Facility for Rare Isotope Beams (FRIB) will provide access to roughly 80% of the exotic isotopes predicted to exist up to uranium (Z = 92). The FRIB Decay Station (FDS) — an efficient, granular, and modular multi-detector system designed under a common infrastructure — will be a key discovery instrument for FRIB, focused on nuclear structure, nuclear astrophysics, fundamental symmetries, and isotopes of importance to applications. The FRIB Decay Station Initiator (FDSi), led by the FDSi Coordination Committee and supported by the FDSi Group and Working Groups, is the initial stage of the FRIB Decay Station (FDS). The FDSi is primarily an assembly of the best detectors currently available in the community within an integrated infrastructure. An overview of the FDSi and its active gas, silicon, and scintillator implant detectors will be given, including their performance over the first two years of FRIB operations.

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Clasificación de la sesión : Session 1