

## **RIA**

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Designs for the Rare Isotope Accelerator (RIA) driver linac include anywhere from 50 to 170 superconducting spoke resonators. We present several cryomodule design options for these resonators that explore both top-loading and end-loading geometries. The resonator helium vessel design uses 316L stainless steel, brazed Nb to SS transitions and Conflat seals. Fundamental module design choices such as separate vs. common beam and insulating vacuum spaces are driven by the clean fabrication techniques required for optimum cavity performance.