

High Power Conditioning of the SDTL16 for J-PARC

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The SDTL16A and 16B cavities were installed in place during summer maintenance period in 2013. After the installation, the high power conditioning of the cavities have been done in November. The calculated rf peak power of the cavity was about 700kW and we have achieved the 1.2 times the calculated one after the conditioning. A trip rate of the cavity was about a few times per day just after the conditioning. However, by the short-time conditioning done on maintenance day, the trip rate became improve gradually and it is less than one per day. The cavity condition is very stable during beam commissioning or user beam operation at present.