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Analysis of higher order modes of QWR cavity for in-situ plasma processing

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SRF cavities deteriorate in efficiency over time and need for inexpensive cleaning methods that are effective is apparent. Plasma Processing is one such cleaning method that can be implemented in-situ, reducing the processing time taken drastically. In this work we present our analysis of the higher order modes of the 72 MHz QWR at ATLAS, ANL for use in igniting plasma for cavity processing.

Footnotes

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