

Abstracts

A Resonantly Coupled, Ferrite-Tuned Buncher-Cavity System for the Los Alamos Proton Storage Ring

L.M. Earley, G.P. Lawrence, J.M. Potter and F.J. Humphry. "A Resonantly Coupled, Ferrite-Tuned Buncher-Cavity System for the Los Alamos Proton Storage Ring." 1982 MTT-S International Microwave Symposium Digest 82.1 (1982 [MWSYM]): 246-248.

Resonantly coupled buncher and ferrite-loaded tuning cavities at 503.125 MHz are separately optimized to provide fast tracking of time-dependent beam current changes in the Los Alamos Proton Storage Ring (PSR) while maximizing radio-frequency (rf) stability and efficiency.

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