Contribution ID: **390** Contribution code: **WEP068** Type: **Poster Presentation**

Power coupler and tuner design for a 2 MeV Distributed-Drive Linac

Wednesday 13 August 2025 16:00 (2 hours)

A distributed-drive linac consists of individually powered and phased single- cell cavities. In this paper, we evaluate options for coupling RF power into the linac cavities, and present an initial design for a cavity frequency tuning mechanism.

Please consider my poster for contributed oral presentation

No

Would you like to submit this poster in student poster session on Sunday (August 10th)

No

Footnotes

Funding Agency

I have read and accept the Privacy Policy Statement

Yes

Authors: Mr SIMS, Benjamin (Michigan State University); Dr LEWELLEN, John (Los Alamos National Laboratory); YOSKOWITZ, Joshua (Los Alamos National Laboratory); DUFFY, Leanne (Los Alamos National Laboratory); KAEMINGK, Michael (Los Alamos National Laboratory); ANISIMOV, Petr (Los Alamos National Laboratory)

Presenter: Mr SIMS, Benjamin (Michigan State University)

Session Classification: WEP: Wednesday Poster Session

Track Classification: MC7 –Accelerator Technology and Sustainability