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Category Number and Subject:

☐ Theory ☒ Experiment

Experiments and ELM-Suppression in Double-Null DIII-D Plasmas,* E.A. Lazarus, *Oak Ridge National Laboratory*; T.E. Evans, *General Atomics*; M.E. Fenstermacher, *Lawrence Livermore National Laboratory* — Experiments are underway on DIII-D to obtain ELM-suppression via resonant magnetic perturbations [1] in double-null (stellarator symmetric) configurations. While density pumpout was observed in these initial experiments, ELM suppression was not obtained. A previous attempt was unsuccessful. In this attempt we will investigate whether the difference in connection length between single and double null plays a critical role by varying the magnetic balance around a double-null configuration. Experimental results will be reported.

[1] T.E. Evans, et al., *Nature Physics* **2**, 419 (2006).

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