• Anomalous current redistribution by benign MHD modes enables steady-state high-$\beta$ hybrid tokamak operation [1]
• The MHD dynamo model, initially developed for helical RFP [2], predicts current redistribution consistent with DIII-D experiments
• Validation of the MHD dynamo model in multiple experiments is an ongoing effort, crucial to extrapolate hybrid operation to ITER

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