

Data Driven Simulation of Solar CME Eruptions in Comparison with MRX Laboratory Eruption Experiments

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We compare observed CME eruptions with the results of GOEMHD3 numerical simulations of the Solar atmosphere based on data obtained by observations of the Sun and taking into account cross-scale coupling effects of turbulence. We compare our findings with those of current laboratory eruption experiments carried out at the Princeton Plasma Physics Laboratory (MRX).

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