

PLANETARY DYNAMOS: COMPARING NUMERICAL AND LABORATORY EXPERIMENTS

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Wednesday, September 12 ❖ 4:00 P.M. ❖ 118 NSH

Refreshments at 3:30 P.M. in 202 NSH

Astrophysical bodies are impressively capable of generating their own magnetic fields. This occurs via so-called dynamo processes. In this talk, I will explain the magnetohydrodynamic processes underlying dynamo action. Then I will focus in on dynamo magnetic fields generated by planets, discussing our understanding of them in terms of numerical and laboratory experiments. Finally, I will discuss future directions in planetary, as well as stellar, dynamo research.