

# **Astrophysical Jets in the Laboratory: 10 years of Progress**

Adam Frank

*University of Rochester*

In this presentation I will discuss the ability of laboratory studies to address open questions in the study of astrophysical jets. I will use my experience with two projects – Omega based studies of laser driven jets and MAGPIE based studies of pulsed power driven jets to address how long term collaborative projects between plasma physicists and astrophysical observers and theorists have fared in opening a new avenue in the study of astrophysical jets. I will also focus on the development of lab/astro based simulation codes and challenges of creating microphysical modules that can address both domains. Of particular importance in the talk will be the role of magnetic fields and jet heterogeneity