

Overview of Fusion-Related PMI Work at Illinois

David N. Ruzic, Jean-Paul Allain,
Darren Alman, Mark Boaz,
Matt Hendricks

*Department of Nuclear, Plasma, and
Radiological Engineering*

University of Illinois
at Urbana Champaign

May 9, 2000, ANL ALPS Meeting

Current Projects

- Measurements of liquid and solid lithium sputtering from D, He and Li
- Modeling of liquid and solid sputtering
- Measurements of Sn-Li sputtering
- Modeling of hydrocarbon- plasma interactions
- Model of chemical sputtering
- Measurements of liquid gallium flows

Attention people looking on the web----

The next four slides will be ones I get from J.P. Allain's and D.A. Alman's talks.

Macroscopic Liquid Metal Experiments at Illinois

- Magnetic propulsion experiments with gallium
- Gradient magnetic field at 1 Tesla
- Up to 42 A of current
- Also constructed self-generated field device

