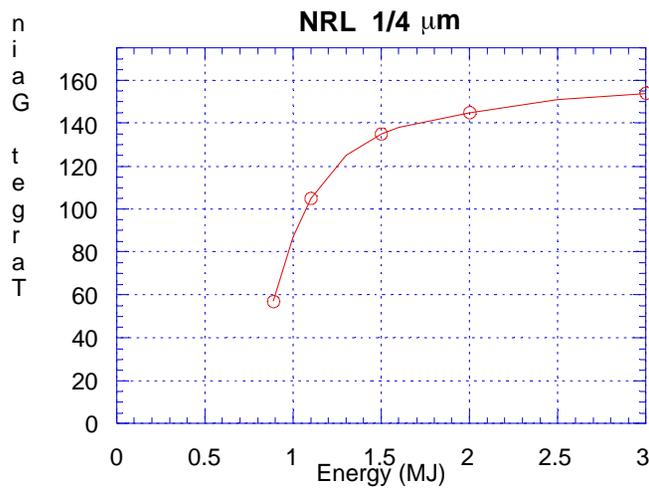


ARIES-IFE SYSTEMS

Ronald Miller (UCSD)

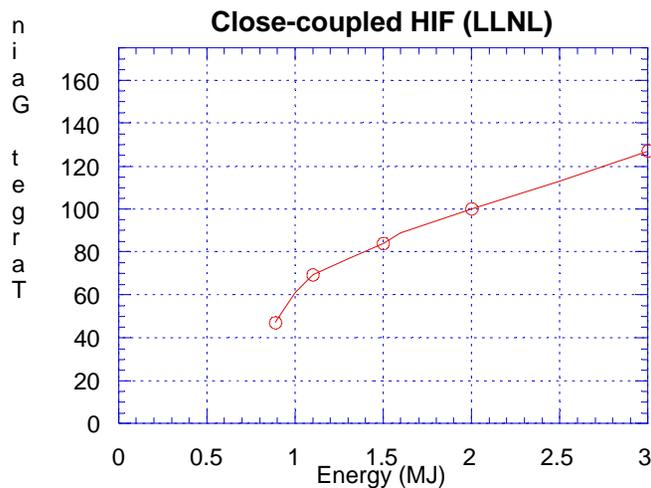
**ARIES Project Meeting
March 8-9, 2001**

NRL Gain Curve



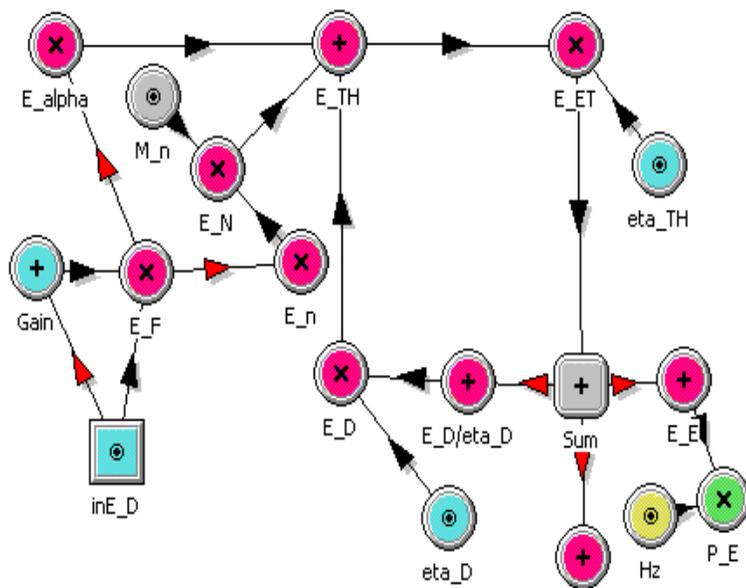
- Ref. Bodner, et al., Madrid (June 2000).
- Polynomial (–RLM).

HIF Gain Curve



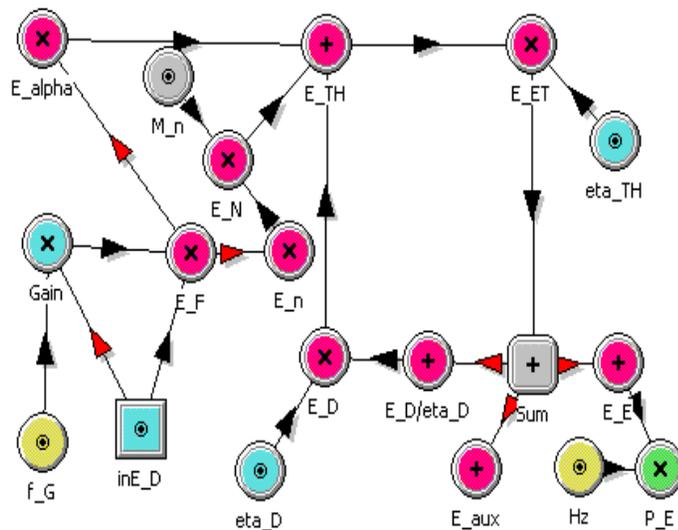
- Ref. Callahan-Miller and Tabak, NF, 39, 11 (1999) 1547.
- Polynomial (–RLM)

Simple Power Balance



- **Definitive ScenarioTM**
- **Influence diagram**
- **Needs adjustment to solve for recirculating power fraction self-consistently**

Uncertain Power Balance



- Incorporate Normal distribution 'fuzz' to Gain
- Use Uniform distribution for pulse rate