IAC 2006 Color Illustrations

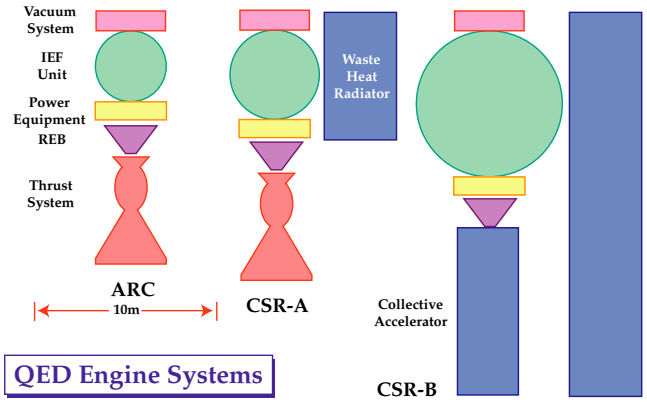

Figure 1 — QED Engine Systems

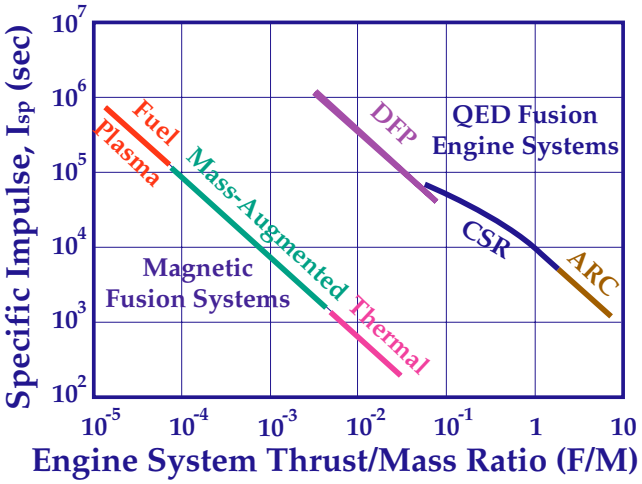

Figure 2 — QED vs. Magnetic Fusion Systems

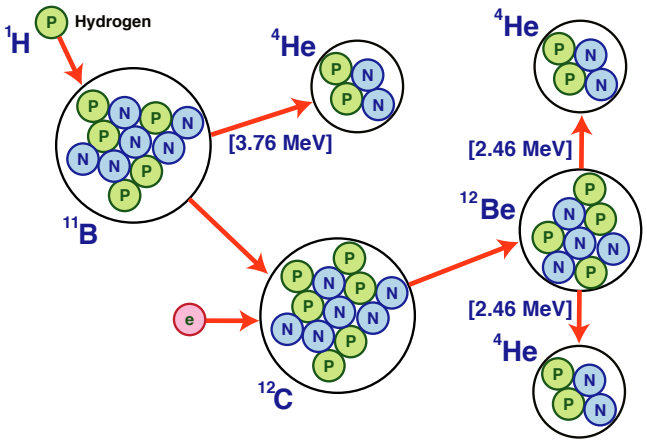

Figure 3 — p + B-11 Fusion Reaction

The EIXL Code

- '1.5D' radially-dependent Poisson Solver
  static solutions fo potential and density
  satisfies collisionless Vlasov equation
- Utilizes Runge-Kutte and Newton-Kantorovitch methods
- Momentum conservation
  - Heavyside energy distribution
- Tailored to the unique physics of IEF systems
  diamagnetic effects on magnetic fields and potential
  - ICC effects
  - Virtual anode height control

Figure 14 — EIXL Code

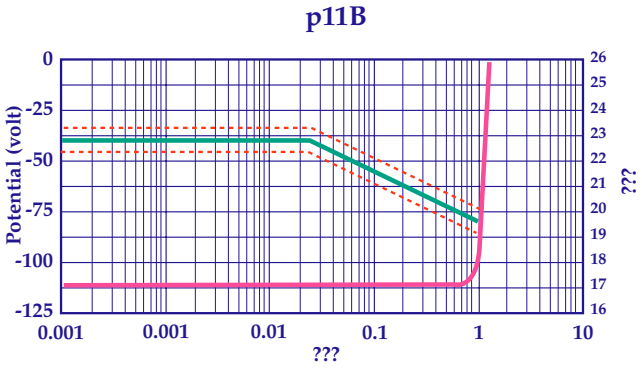

Figure 15 — p + 11B versus Potential (volts)

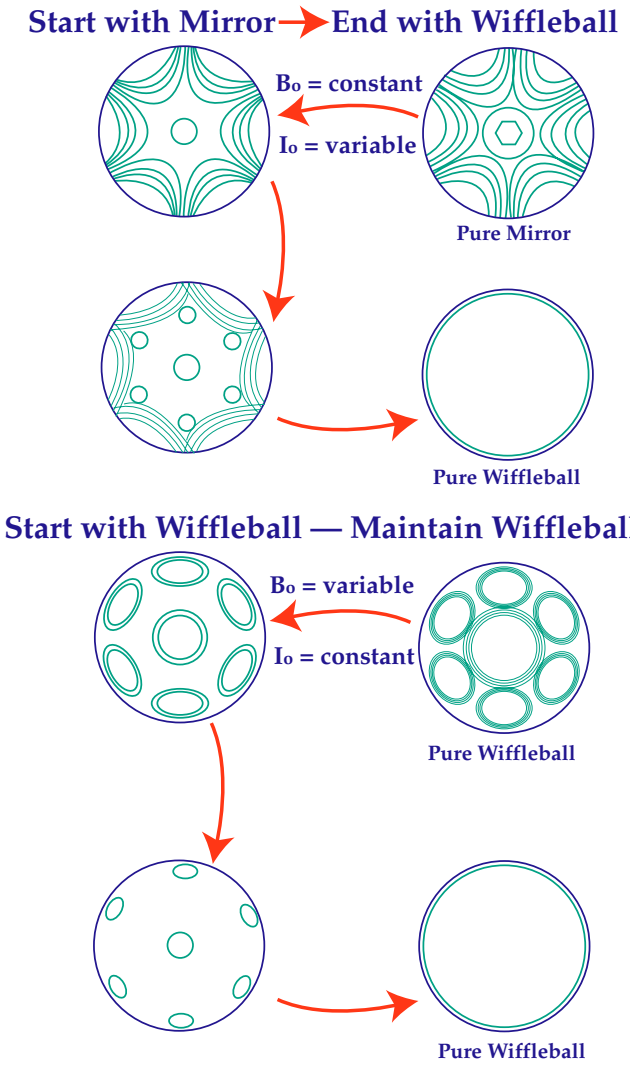

Figure 16 — Wiffle Ball Confinement

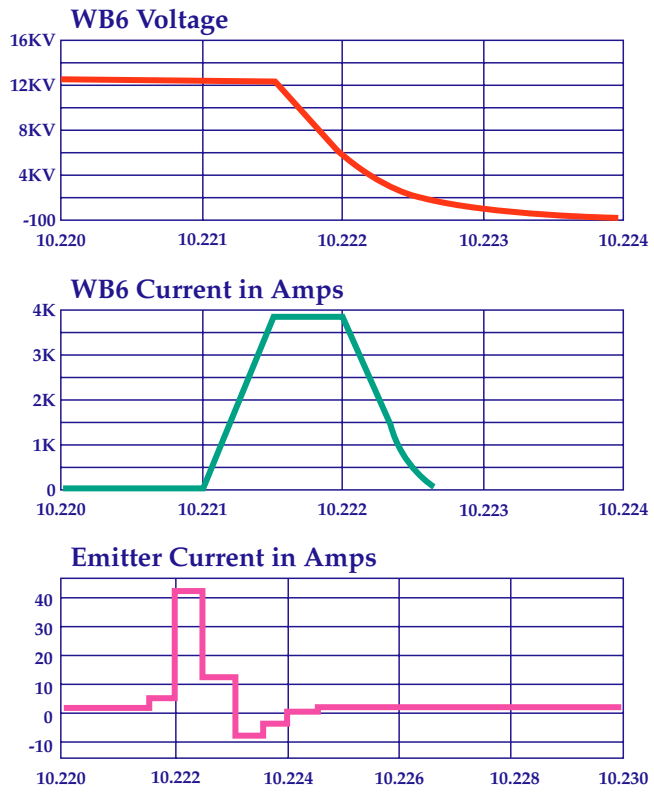

Figure 17 — WB-6 Test Results

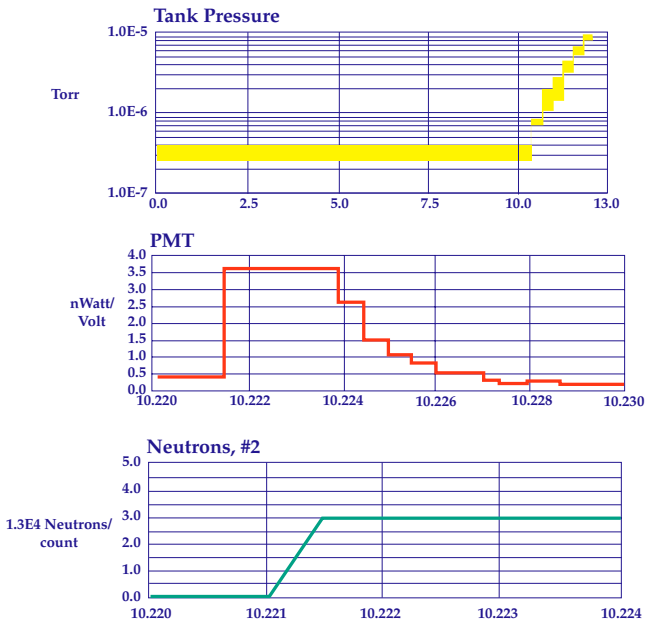

Figure 18 — WB-6 Test Results