Vacuum chamber comparison: 5.3 GeV $e^+$ 2.6 mA/bunch 15E

- **5/17/10 SPU signal**
  - SR dose: $0.81 \times 10^{24} \text{ γ/m}$

- **12/24/10 SPU signal**
  - SR dose: $18.2 \times 10^{24} \text{ γ/m}$

- **Optimized ECloud simulation**
  - ECloud QE reduced 50%
  - ECloud SEY reduced 25%

- **Button Signal (V)**

- **Time (ns)**

- **Graph**
  - Dotted red line: 5/17/10 SPU signal
  - Red dotted line: 12/24/10 SPU signal
  - Blue dots: Optimized ECloud simulation
  - Red squares: ECloud QE reduced 50%
  - Green triangles: ECloud SEY reduced 25%