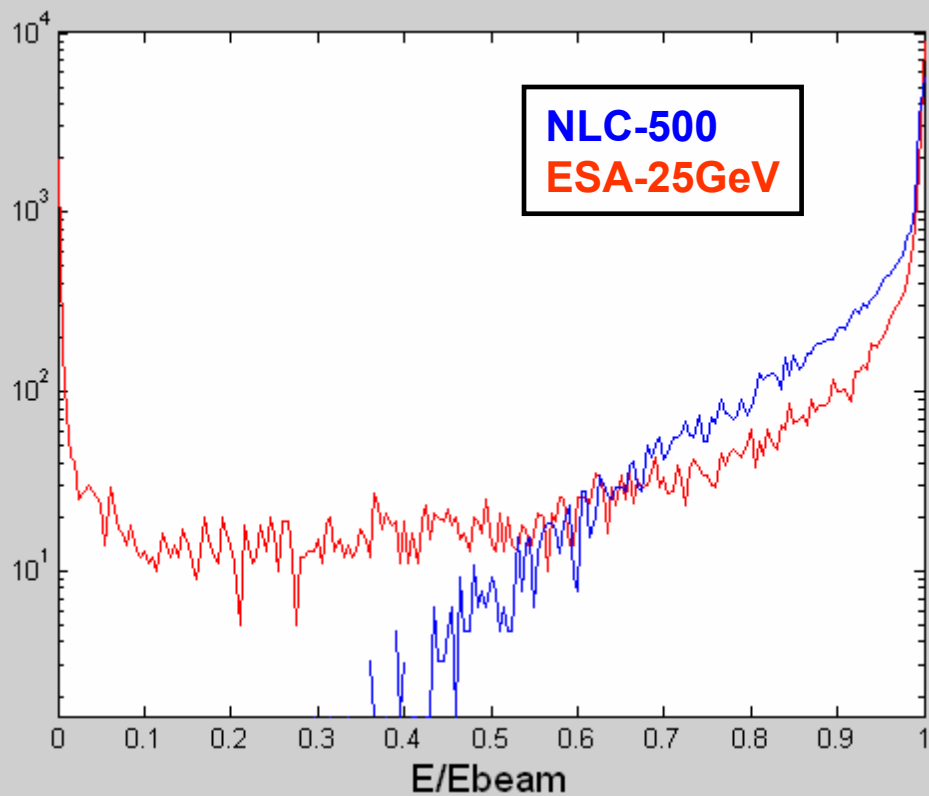
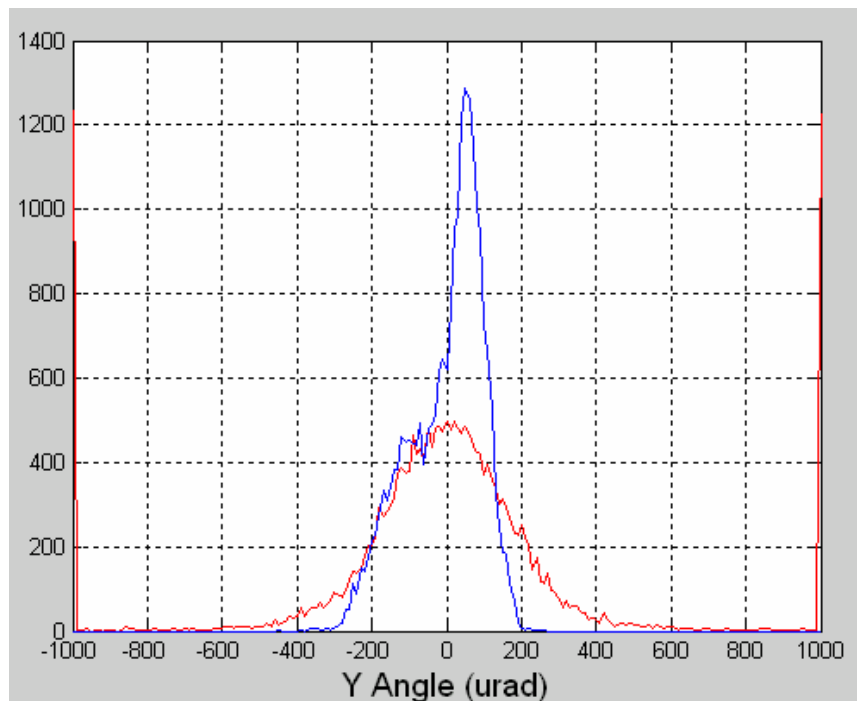
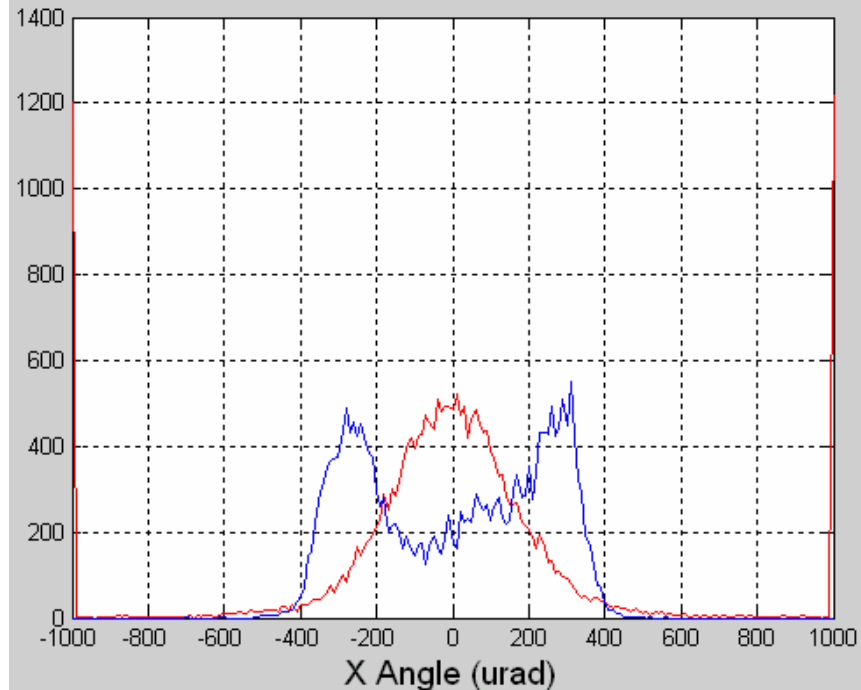


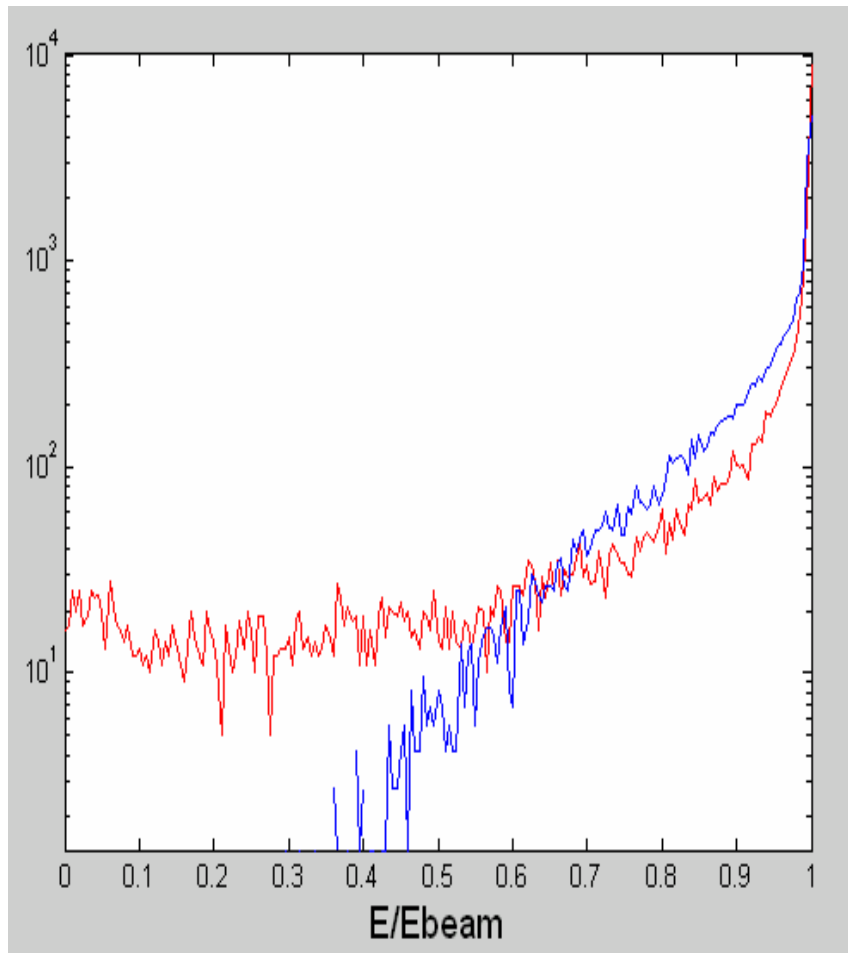
Electron Distributions



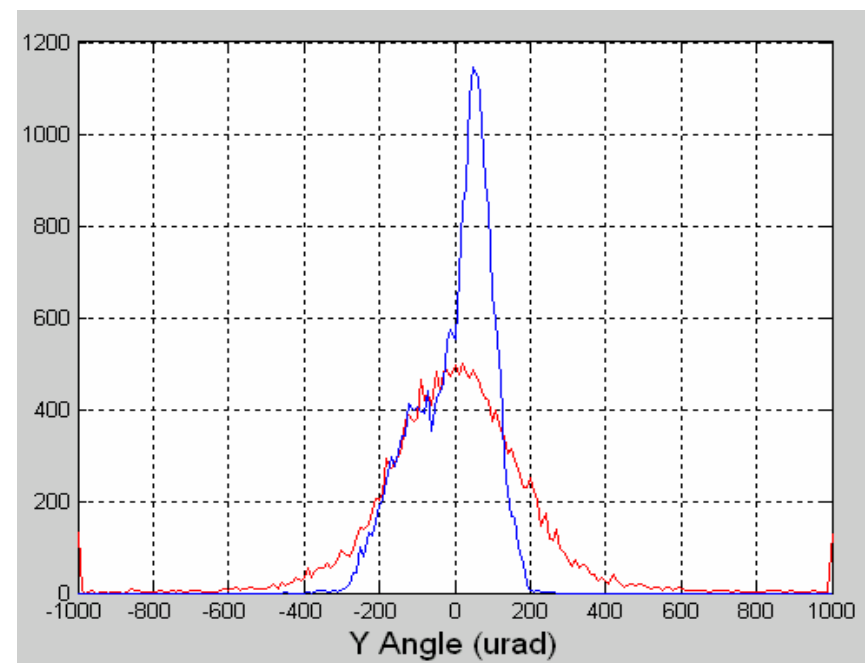
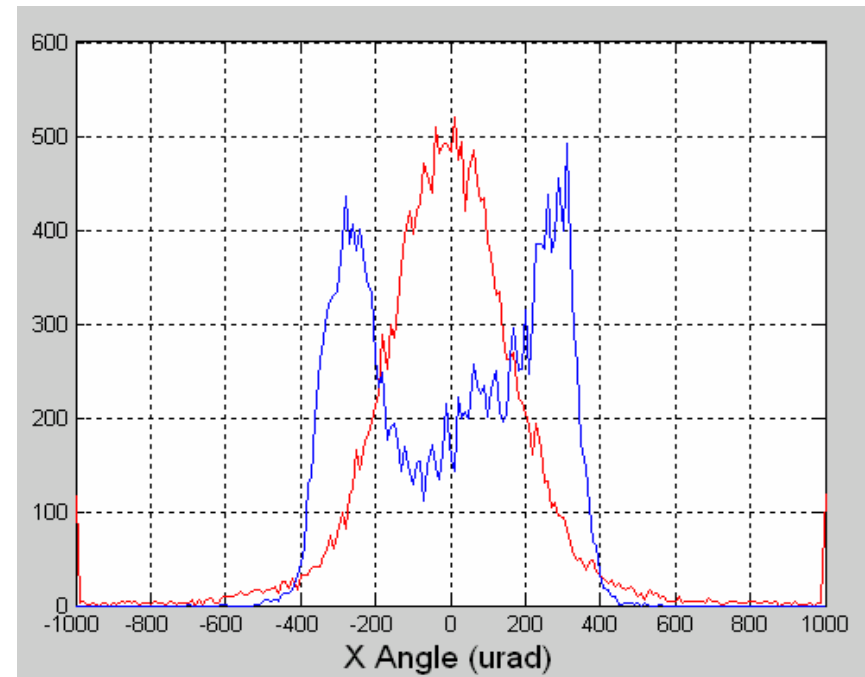
ESA-25GeV: 10% X_0 Carbon Target
NLC-500: disrupted beam electrons only;
pair and 'Compton' electrons not included



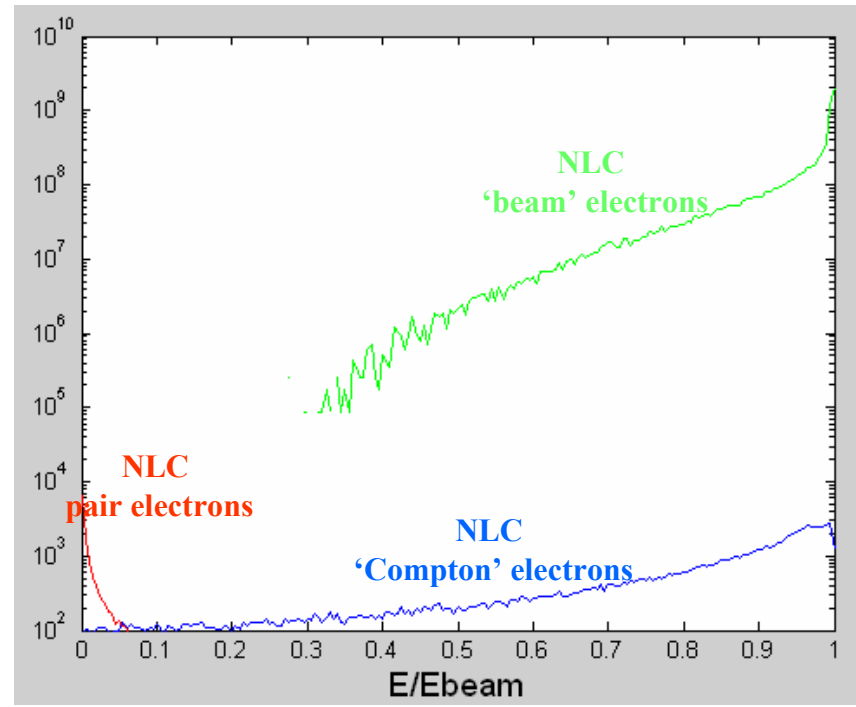
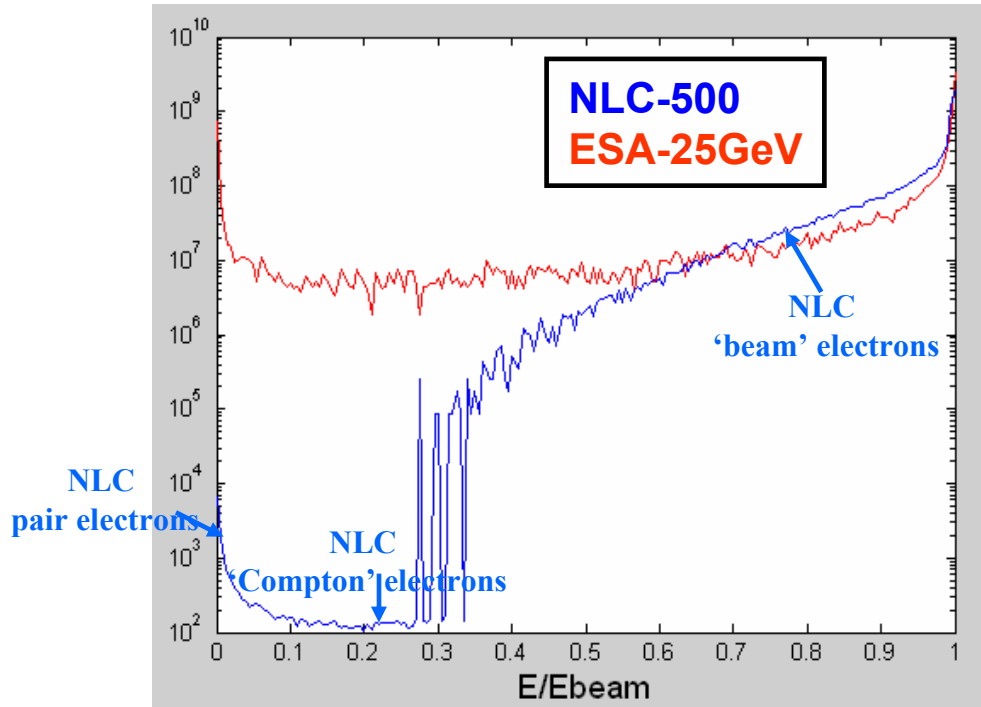
Electron Distributions



NLC-500
ESA-25GeV
(w/ 5mrad cut)



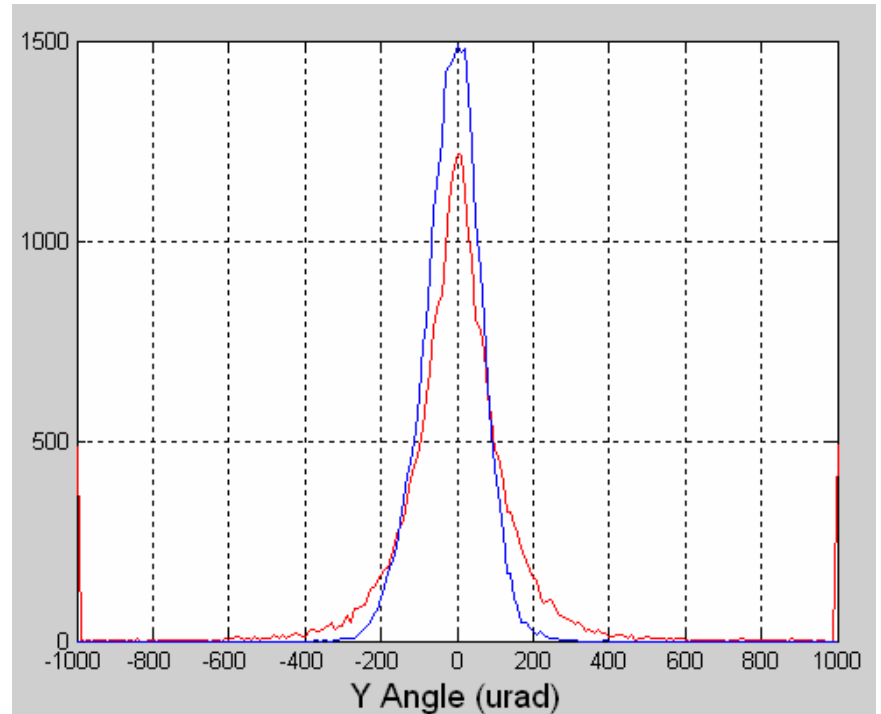
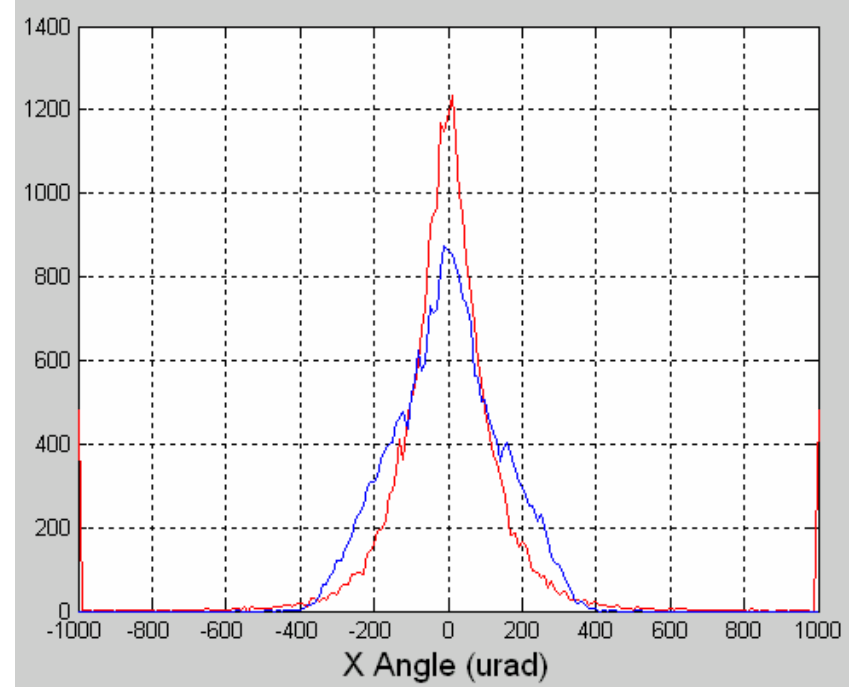
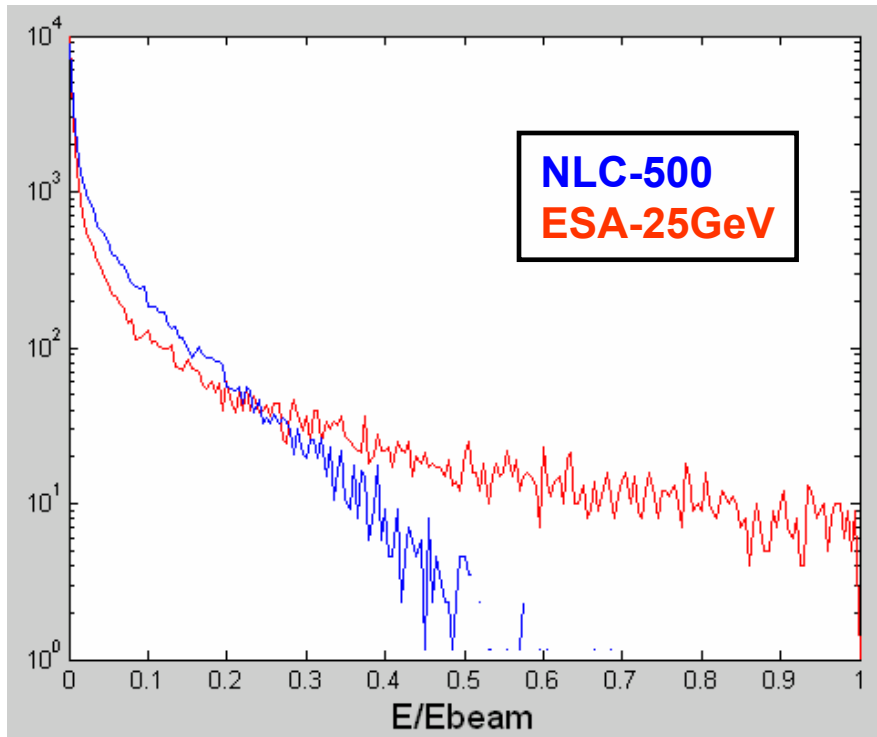
Electron Distributions (per 1.4ns)



ESA-25GeV: 10% X_0 Carbon Target

**NLC-500: disrupted beam electrons,
pair and 'Compton' electrons**

Photon Distributions

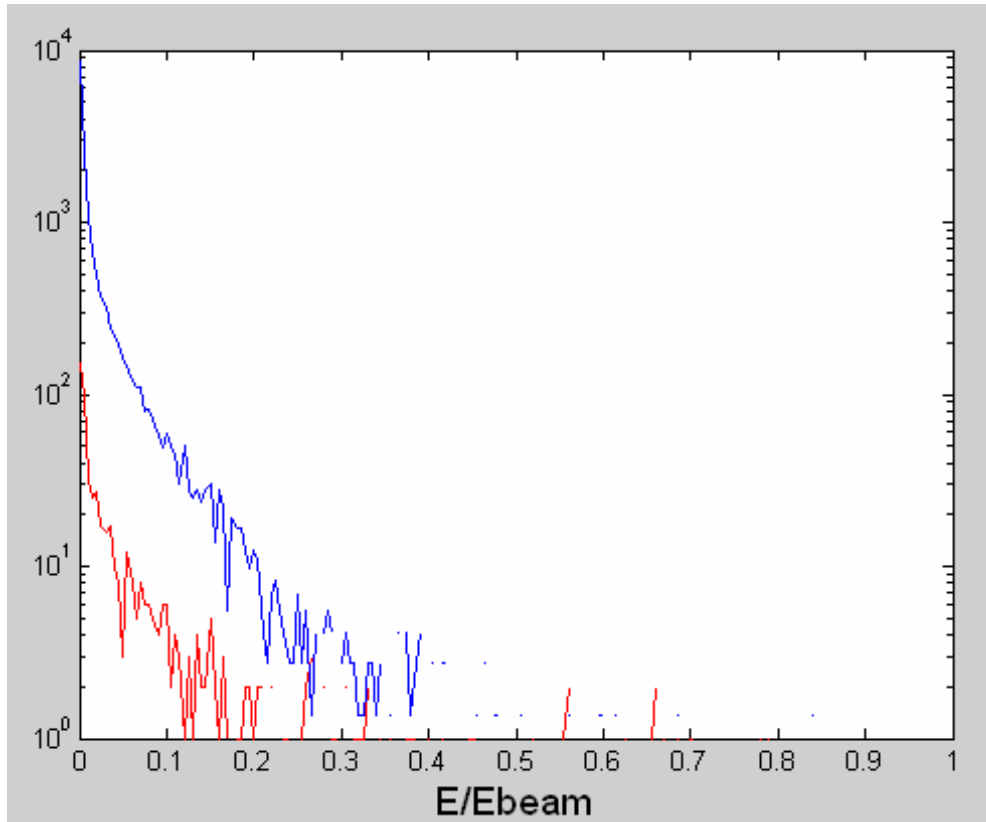


| | ESA-25 GeV | NLC-500 |
|--|---------------|----------|
| Beam Energy | 25 GeV | 250 GeV |
| #photons/electron | 1.34 | 1.60 |
| $\langle E_\gamma \rangle / E_{\text{beam}}$ | 0.068 | 0.041 |
| $\Delta E / E_{\text{beam}}$ | 0.092 | 0.066 |
| $\langle E_\gamma \rangle$ | 1.7 GeV | 10.3 GeV |

L. Keller, M. Woods

Nov. 5, 2003

Positron Distributions



NLC-500 (per colliding bunch)
**ESA-25GeV (per 20K
incident electrons)**

