

Power Ratio TLD $\approx \frac{910}{1410} = 65\%$

I Ratio TLD $\approx \frac{630}{1535} \approx 41\%$

$E_{beam} = 2.541 \text{ GeV}$

Int I = 905 nA.damp Apr 5

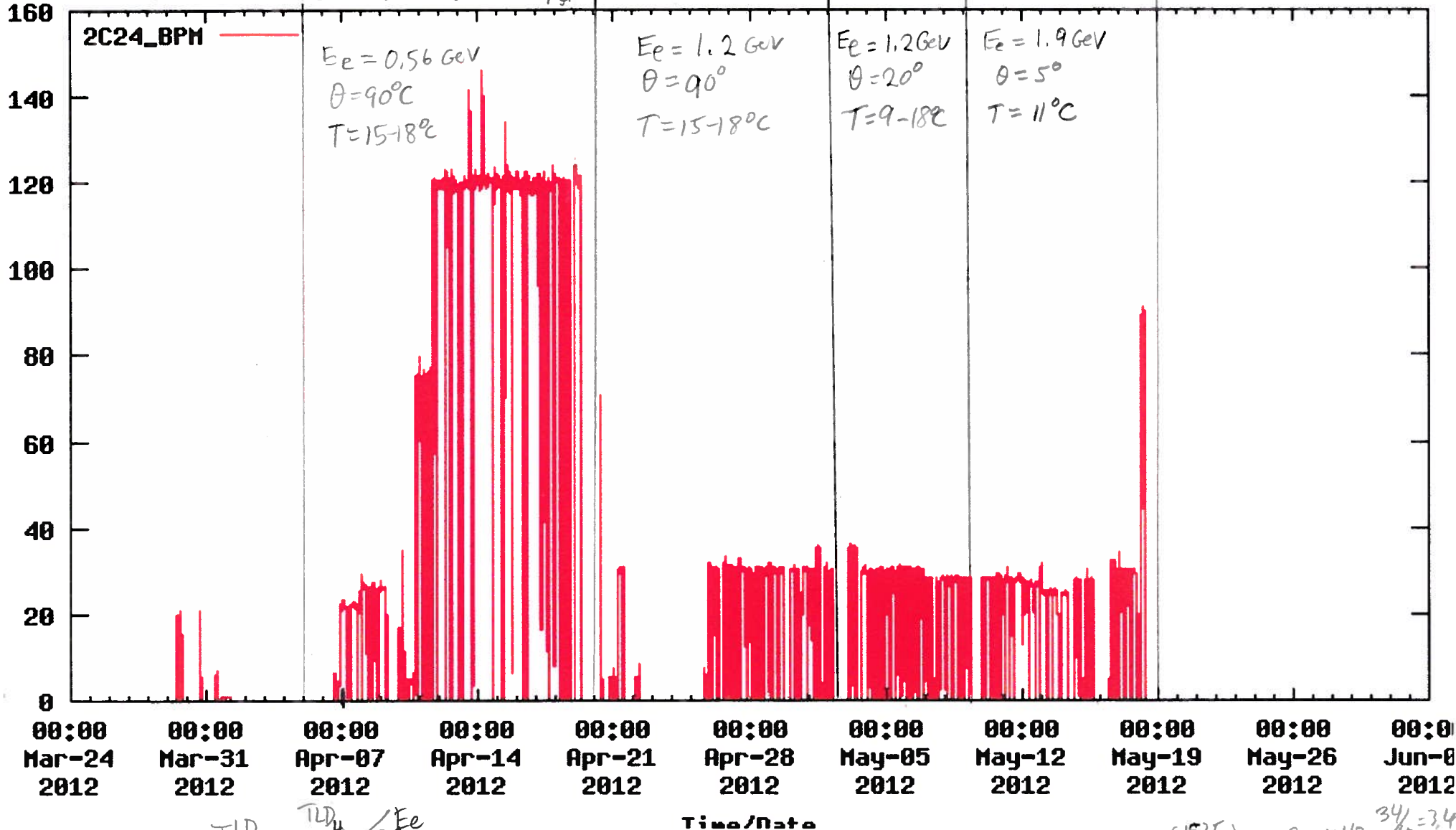
Int Power = 500 nA.damp GeV

TLD's in the hall

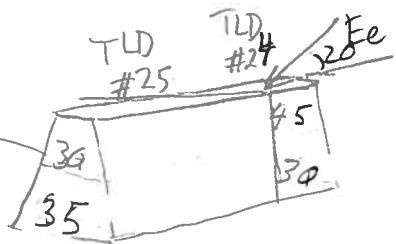
$E_{beam} = 5.551 \text{ GeV}$

Int 2 $\sim 390 \text{ nA.damp} + 240 \text{ nA} = 630 \text{ nA.damp}$

Int Power $\sim 460 \text{ nA.damp GeV} + 450 \text{ nA.damp GeV} \approx 910 \text{ nA.damp GeV}$



Dark Rate (MHz)



Based on $1 \text{ rem} = 3 \times 10^7 \text{ neg/cm}^2$, expect

TLD 24: 3.24 rem } $\approx 10 \text{ MHz} (V_{over} = 1.2, T = 15^\circ C) \left(\frac{1410}{910} \right) = 15 \text{ MHz} \cdot (\text{Power})$
 25: 2.98 rem } $25/10 = 2.5$

$10 \text{ MHz} \left(\frac{1535}{630} \right) \approx 24 \text{ MHz} \cdot \frac{34}{10} = 3.4$
 (Current)