Significance (Q.F. Sarkis) 6 Bins Range (15 - 440)  $eV \rightarrow N_{\alpha}$ Stats error only (15 - 50) ... eV  $\rightarrow$   $N_e$ 5  $N_{\sigma} = \frac{S}{\sqrt{B}}$ (50 - 180) eV ightarrow N  $_{\! \sigma}$ (180 - 310) eV ightarrow N $_{\mbox{\tiny G}}$ (310 - 440) eV ightarrow N $_{\sigma}$ 4 3 2 **20 30 50 60 70** 80 90 100 40 Exposure [kg - dia]