Tarea 4

4.1, 4.3, 4.4, 4.5, 4.7 6.1 y 6.2.

4.1.)

Oel apéndice 0.3.

$$\frac{\mu}{\rho} = 5.27 \text{ E-2}$$
, $\frac{\mu_{en}}{\rho} = 2.43 \text{ E-2}$

Bo≈ 1.06.

$$\frac{N_c}{N_o} = B e^{-\mu L} \Rightarrow L = -\frac{1}{\mu} \ln \left(\frac{N_L}{N_o B} \right)$$

$$\bar{D} = \frac{d\bar{c}}{dm}$$

$$E = EQ = (10^{-16} \text{ mg}^2) * 0.40$$

 $de/dm = c^2 10^{-16} \cdot 0.4 = 3.595 \text{ Gy}$

4.4.

a)
$$(Kolair = X \cdot (\frac{W}{e})_{air}$$

= $X \cdot 33.97 \text{ J/C}$

= $X \cdot 0.876 \cdot 69 / 100 \text{ R}$

= $X \cdot 8.76 \cdot 69 / \text{R}$

= $X \cdot 8.76 \cdot 69 / \text{R}$

- 6) Dair = (Ke)air = 2.409
- o) ssi CPE existe en P.

5 min = 300 s.

Dice baja energia", lo que tonaver con 0.05 MeV.

Ke = 0.711 /cm2 . 0.184 cm2/g = 0.020424) tg . 1000 g/1 kg

$$\lambda = \frac{1}{T} = \frac{0.6931}{\text{Tyr}} = \frac{0.6931}{1602.365.24.60.605} = 1.37 \text{ E-11 s}^{-1}$$

a)
$$\lambda = \frac{1}{L} = \frac{0.6931}{L_{1/2}} = 4.48E - 7 ls 11/11$$

6)
$$\lambda_1 = 3.05 = -715$$

 $\lambda_2 = 1.43 = -75$