$$\varphi = 5000 \ m^{-2} \sec^{-1}$$

$$E \sim 1 \ GeV$$

$$\sigma \sim 10^{-38} \ cm^2$$

$$Nucleons = 6 \times 10^{29} \ ton^{-1}$$

$$N = \varphi \bullet \sigma \bullet 6 \times 10^{29} \bullet 3 \times 10^7 \ ton^{-1} yr^{-1}$$

$$N = 0.1 \ events \ / \ ton \ / \ yr$$