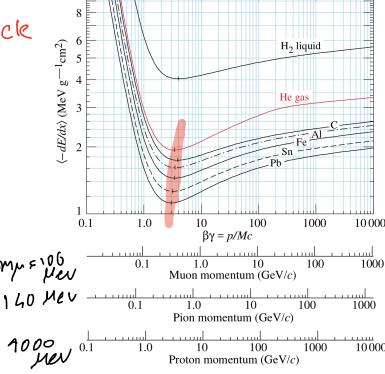
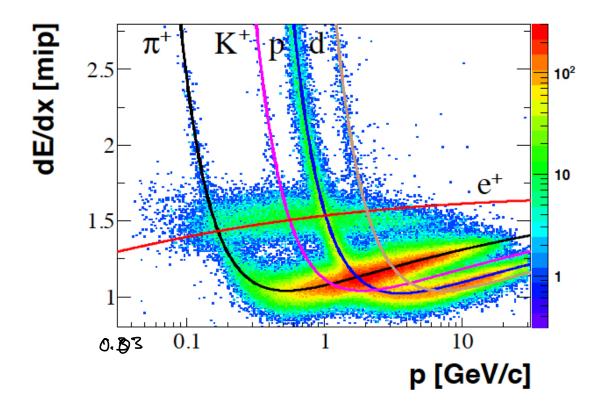
minimum iou: Zing particle
mip





~> V (Ei-Ef, Pei-Pet) P. (Eef, Pef) ma = 1 (2p.7N)e? => a a m Elletto Larmor, Irregsiamento. Potente di irrespiamento P = = = = [vil²] per particelle non relativistiche Potente irressiste relativistice Pr=(E,P) P=- = dPn dpm
dT dT den de = |dE|2 - |dP|2

de |2 E= THC P=THT=THCB D = 1 P P P Un= (YC, YBC) dis $\int = \frac{e^2}{3} \frac{e^2}{3} \sqrt{6} \left[\frac{\dot{\beta}^2}{3} - \left(\frac{\dot{\beta}^2}{3} \times \frac{\dot{\beta}^2}{3} \right)^2 \right]$

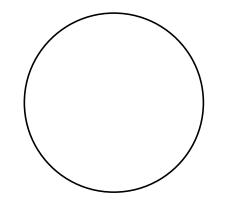
accel. Quere.

accel. arcolone/aniline.

Circolore
$$\beta^2 - (\beta x \beta)^2 = \beta^2 - \beta^2 \beta^2$$

$$P = \frac{2}{3} \frac{e^{2}}{c} \gamma^{6} \frac{\dot{\beta}^{2}}{\gamma^{2}} \propto \gamma^{4} \dot{\beta}^{2}$$

$$\frac{1}{x^2} \dot{s}^2$$

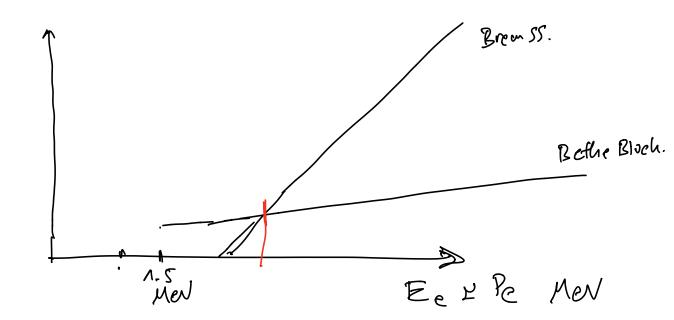


$$P \propto \left(\frac{E}{m}\right)^4 \dot{\beta}^2$$

$$(\frac{1}{2000})^{4}$$
 $(\frac{1}{2})^{4}$ $\frac{-18}{10}$ $\frac{-13}{2}$

LHC PRE= 6.5 TeV per penticella. Teu= 1012 eV Ivags coment d'e : Brensstrahlung fatto OSServato DE RYANGE X La PNA Zinero lu (1832-1/3) Xo Inghe He di radia Zione. $E(x) = E_0 e^{-x/x}$ to x. a NA 72 lu (183 2-113) PX. = 170 A g/cm2 Nr = J. Np nd N/ = Prob (mtere fore)

de dx



$$\frac{dE}{dx}|_{e^{\pm}} = \frac{dE}{dx}|_{iou} + \frac{dE}{dx}|_{Brem}$$

Keste-me = Ec

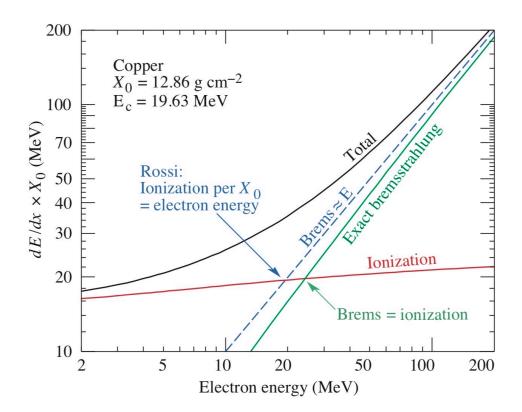
spenimentale formenologico.

prop. del me 40.

Ph, 7=82 Ec = 7 Men

Per EZEc

donne irrags:ouento



al minimo de 10n: 272 Zione.

1

Fotoni rella noteria Effetto Poto elettrico. V4E -> E+A Me++ EMEEY / Me sente il nuelco ~ e e 74e -> 74e _ Elfettu Compton Er' = I+ Er (1-coro) - produzione d' Coppia.

- produzione d' Coppia.

e⁺

N

ete
TAN - e⁺

e⁻

TAN - e⁺

e⁻

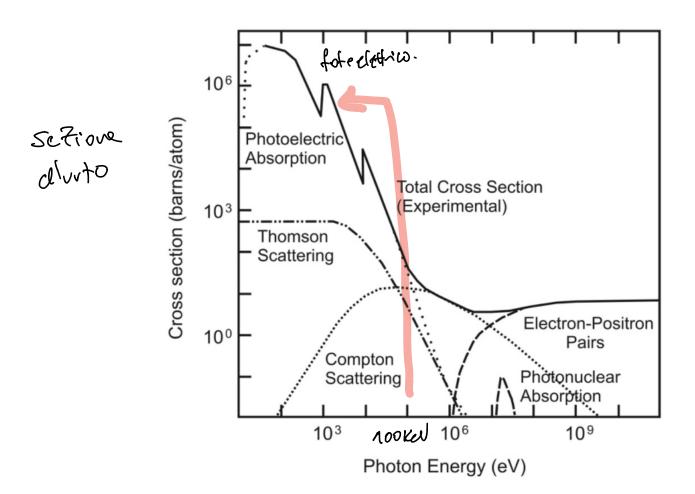
TAN - e⁺

e⁻

TAN - e⁺

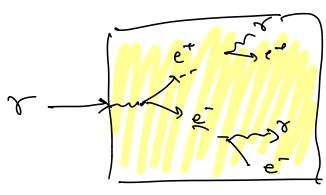
TAN - e

50slia Ey > 24e = 1.022 MeV.



Fotone alte eneric Er = 100 MeV.

EC & 10 MeV. du me770.



Ect = {Ex = 50 MeN.

e- >> e-+r.

Sviluppo dello Sciene EM.
Contine Anele E; < Ec.

Niferation: EN: => ENY EN

Findre et, or sopre sophie. => annent d'
ponticelle.

quendo so to soglia.

Eef LEC => ion: 77e fione.

e+ e- -> ~+ ~

Er & Me

8 con E/ 1-022

