OK gell en : l care fan > pt e [3] alteme ust de "unce" il boost (=) fly a sign of la ubite d b eno: Bun < B\* => 3 & t.c dun > T I = To grant coil = - Ban/B\* NON exite Ima (over Ima = t) devata de la non e analla uni CMO: Ban 4 = BX il boost anula esaturente por (CdM) b d\*= T 

⇒ 

ferwn!

Alsomo vist de il 4 veller energen/injulio s: consern (conjonente par comparante)  $\rho_{\text{tot}} = \sum_{i} \begin{pmatrix} \vec{E}_{i} \\ \vec{\rho}_{i} \end{pmatrix} = \begin{pmatrix} \vec{E}_{\text{tot}} \\ \vec{\rho}_{\text{cor}} \end{pmatrix}$ 

=> Pror = Pror | relle stesso SdR!!

un in gevende NON e' un invavente

(3) comba con bost de brents

 $SdR_1$   $(P_{rot})_i = (P_{rot})_f$   $rac{1}{2}$  es. LAB e CdM

 $SdR_{2}$   $(P_{tot})'_{i} = (P_{tot})'_{f}$ 

Peni come titi i 4. veter la sua norma ! INVALITAVA

 $|\rho_{tot}| = \sqrt{(\sum_{i} E_{i})^{2} - |\sum_{i} \vec{\rho}_{i}|^{2}} = \sqrt{s}$ 

$$\Rightarrow \ln \text{ calcolo rel CdM}$$

$$|P_{\text{rot}}| = |P_{\text{rot}}| = \sqrt{(\sum_{i} F_{i}^{*})^{2} - |\sum_{i} \vec{P}_{i}^{*}|^{2}} = \sum_{i} F_{i}^{*}$$

$$SdR_{1} \qquad SS = SS$$

$$SdR_{1} \qquad SS = SS$$

TOWNIAND AL PERADIMENTO A PUE CONPI

(S.i.) C'e' sol 
$$M \Rightarrow P_{tor} = \begin{pmatrix} E_m \\ \vec{P}_n \end{pmatrix}$$

$$M_{i}: \begin{pmatrix} \mathcal{E}_{i} \\ \vec{P}_{i} \end{pmatrix} \qquad M_{i}: \begin{pmatrix} \mathcal{E}_{i} \\ \vec{P}_{i} \end{pmatrix}$$

$$\int_{\text{for}} = \begin{pmatrix} \mathcal{E}_{1} + \mathcal{E}_{2} \\ \vec{p}_{1} + \vec{p}_{2} \end{pmatrix} = \begin{pmatrix} \mathcal{E}_{\text{for}} \\ \vec{p}_{\text{for}} \end{pmatrix}$$

le patielle delle stut Loule se ricordan de M (YSdR)

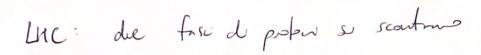
UND DET PMNUPALI MODI CON CUI SI SCOPPLONO PANTICEUE INSTABILI IN FISICA DELLE PANTICEUE

ES: H1665 MH = 125 GeV

H-388 m8 = 0

vita weden continua (0(10-22))

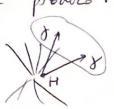
Come cypres de son febri podet de H e ran de febru a como?







se produco H



& NON produce H

11/18

For the il reste e consider solo i due fotoni di avi univo ENERCIA e DINETIONE

$$P_{r_i} = \begin{pmatrix} E_{r_i} \\ 4\vec{P}_{r_i} = \end{pmatrix}$$

e calcole la woma invavante del sortem de de feteri

Min = V(Ef. + Ef)2 - | Po, + Poz |2

QUANTITA' SPENIMENTAS

