

Hello

☺



Physicists

~~Physicist~~

Phig M♡

Cern

☺
Solway
Gra

2



$W^+ \rightarrow e^+ \nu$
 $Z \rightarrow \text{hadrons}$
 $H^0 \rightarrow \gamma\gamma$
 $Z \rightarrow e^+e^-$
 $K \rightarrow$
 $\pi^0 \rightarrow \gamma\gamma$

$\nu_{e,\mu,\tau}$
 G
 χ
 S
 INVISIBLE

DECAY

μ^\pm
 e^\pm
 γ
 π^\pm
 P^\pm
 \bar{n}^0

DETECTABLE

S
 b
 u
 d
 t
 c
 g
 always in combinations

Charge

Mass

Spin

Energy

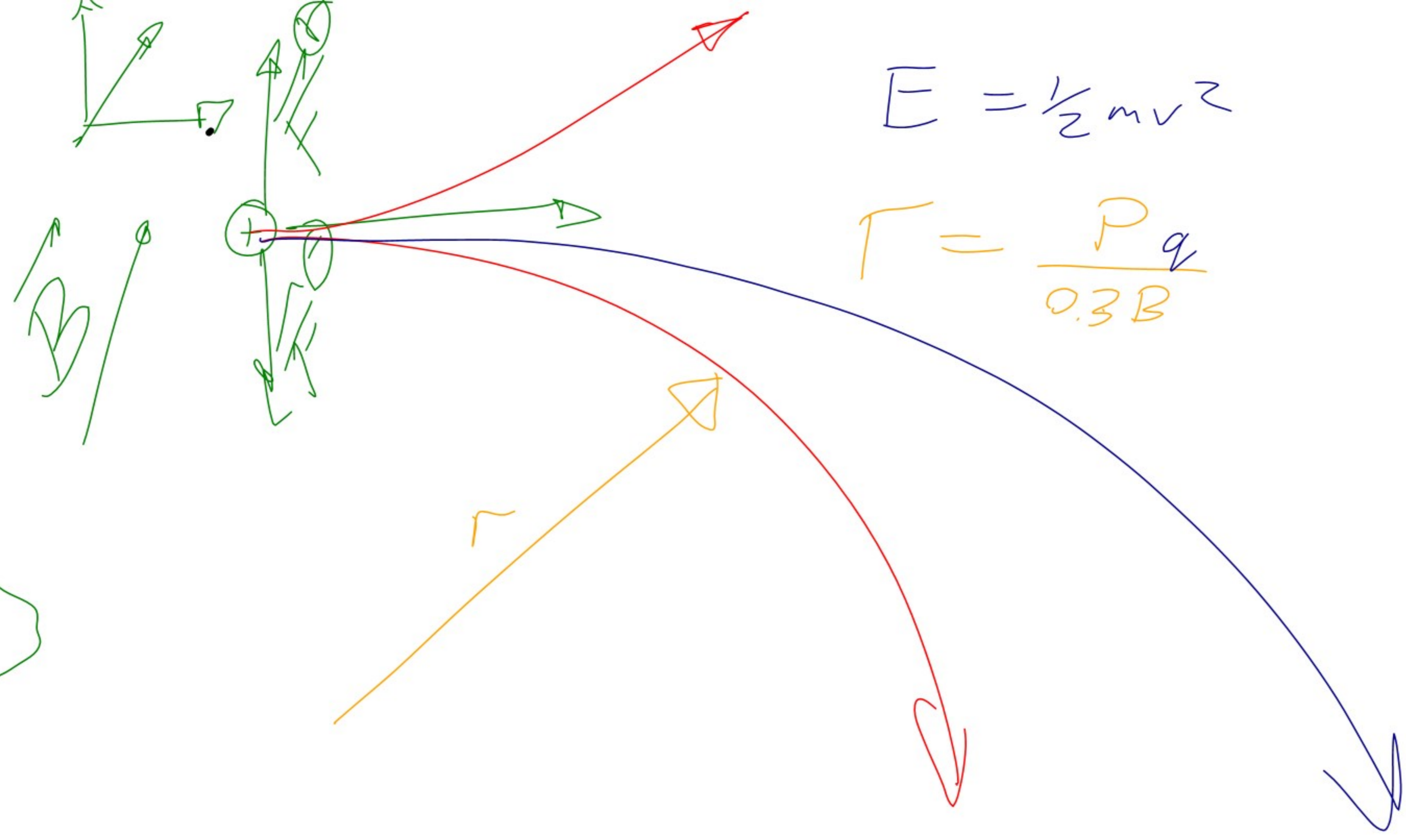
Momentum

Colour/Flavour

Lifetime

Speed

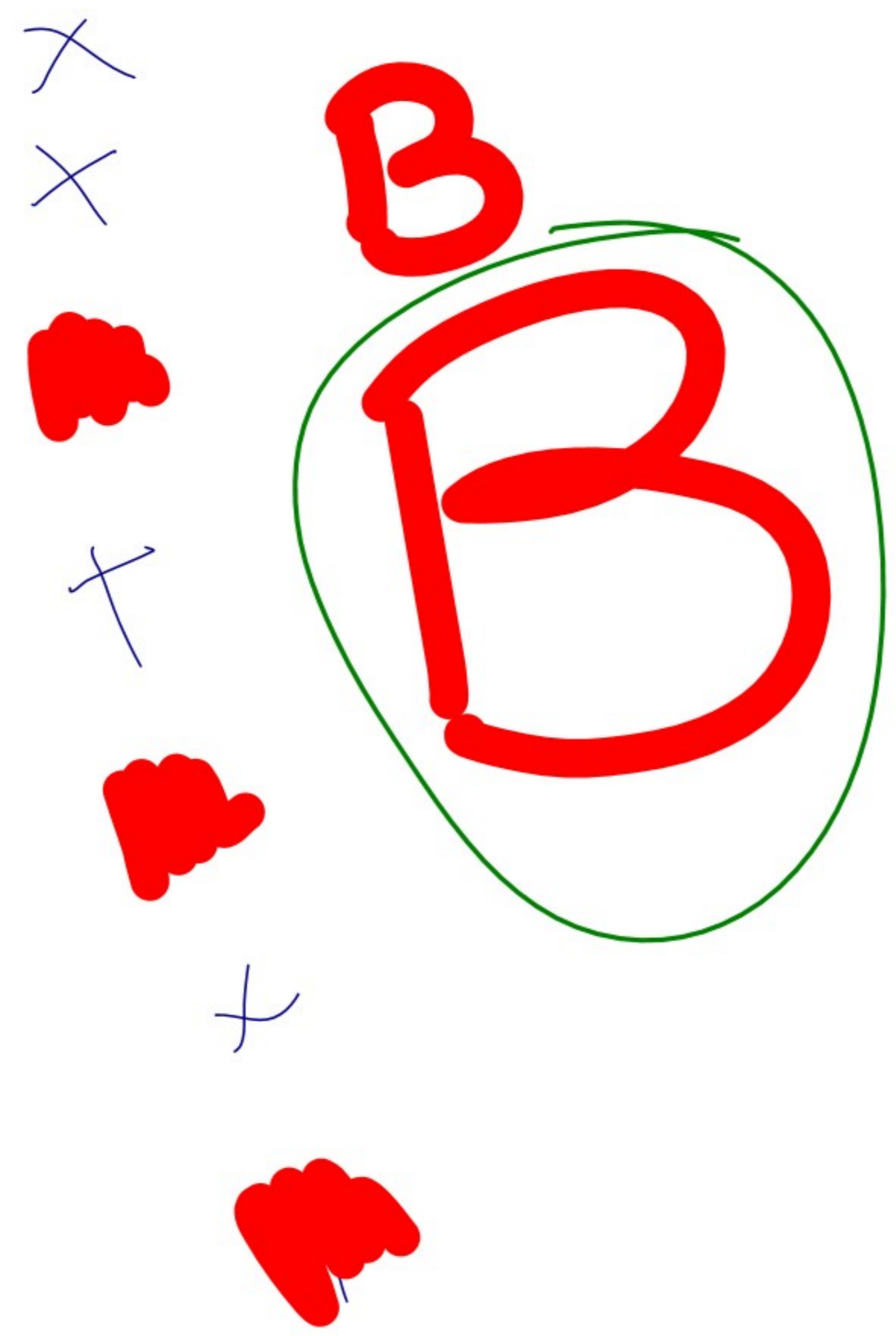
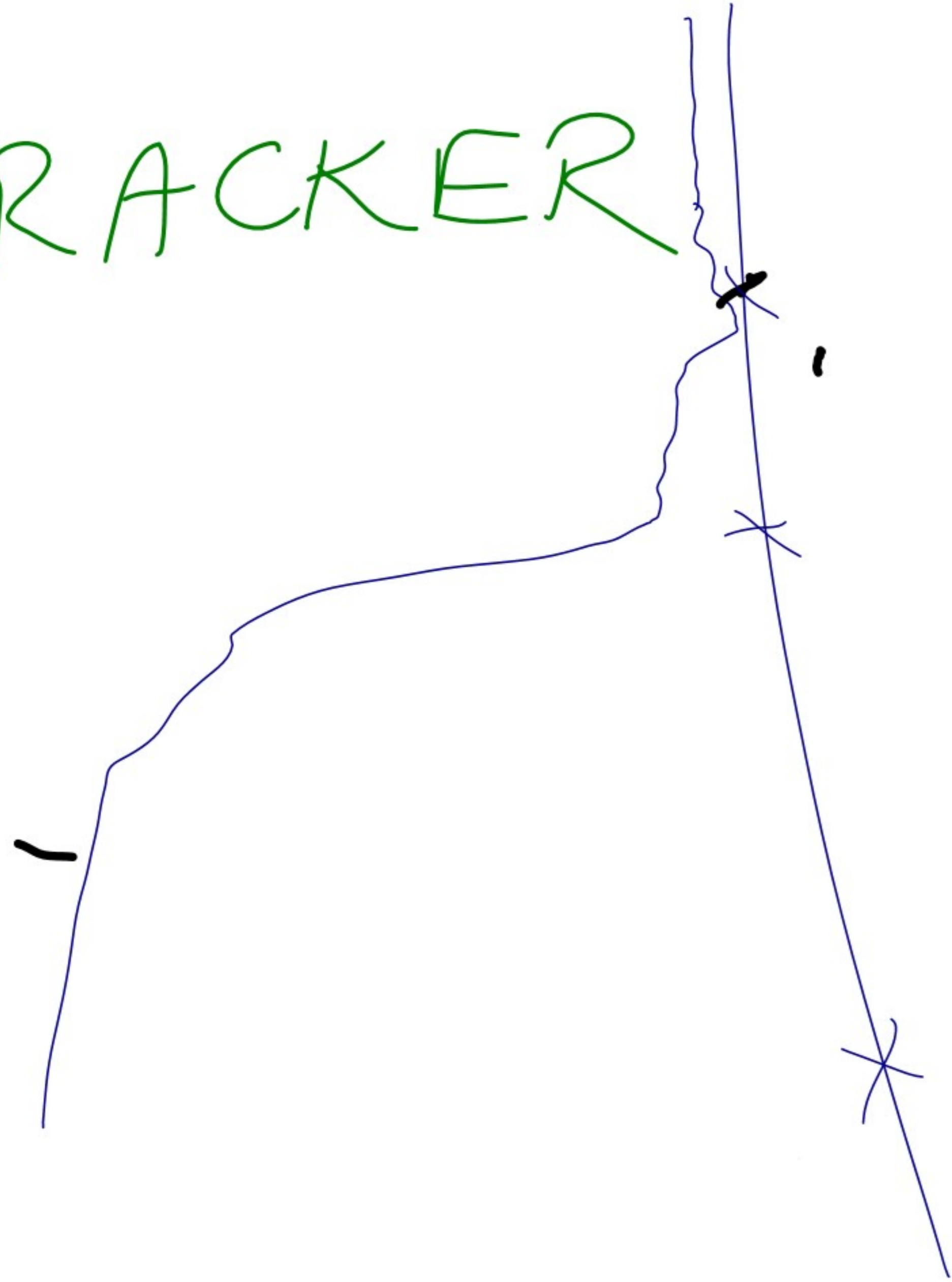
Direction



$$E = \frac{1}{2}mv^2$$

$$r = \frac{Pq}{0.3B}$$

TRACKER

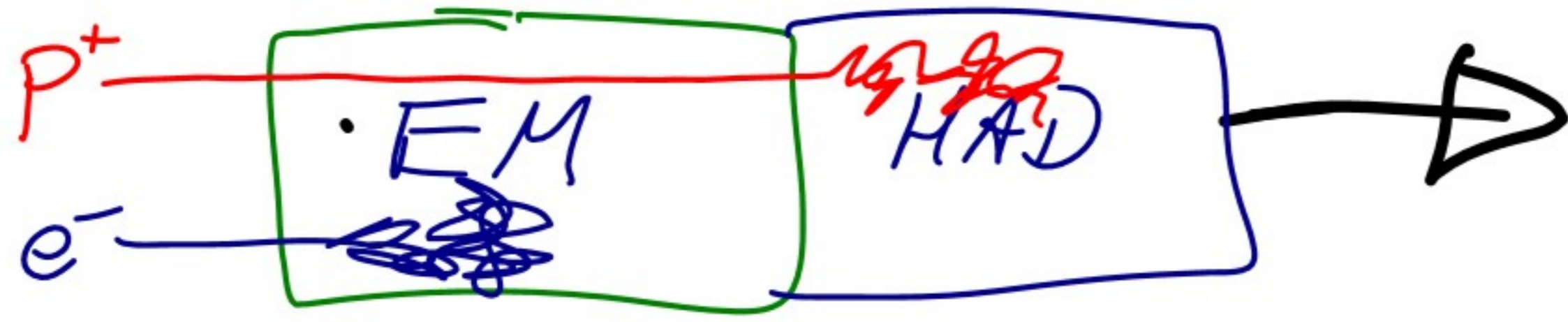


$X_0 = \sum$

EM e^\pm γ Pb W U
CALORIMETER
HAD p^+ n^0 π^\pm Cu

\times

Block of wood



MAG-SOLENOID
EM
MAD
TK.

