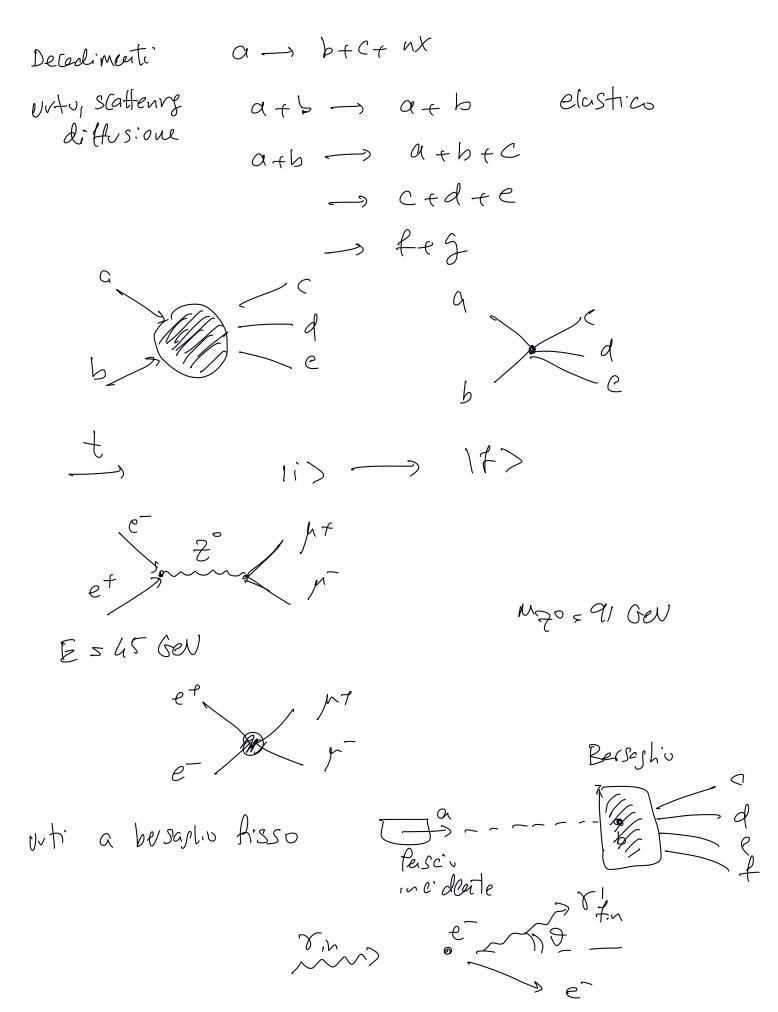
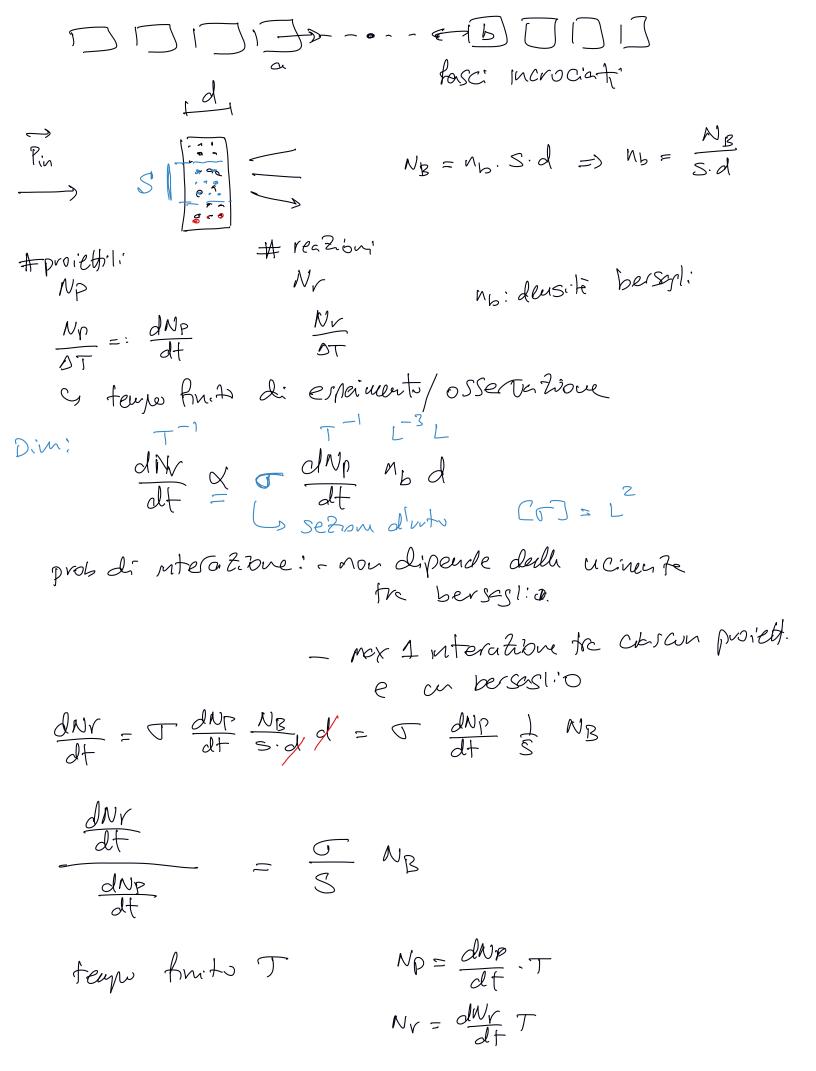
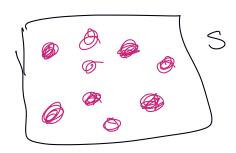
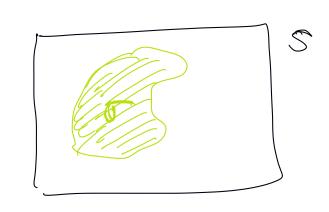
Token 893 863





$$P(realione) = \frac{Nr}{Np} = \frac{\sigma}{s}$$





$$\frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} = \frac{1}{2} \frac{$$

$$\Rightarrow p = \frac{wp}{dt \cdot s} = np \cdot vp$$

$$\frac{dNr}{dt} = \nabla \cdot \frac{dNp}{dt} n_b(dx)$$

$$\frac{dNr}{dt} = \nabla \cdot h_b \cdot dx$$

$$\frac{dNr}{dt} = \nabla \cdot h_b \cdot dx$$

$$\frac{dNr}{dt} = - (\nabla \cdot h_b \cdot dx) + \frac{\partial n_b}{\partial t}$$

$$\frac{dn}{dt} = - (\nabla \cdot h_b \cdot dx) + \frac{\partial n_b}{\partial t}$$

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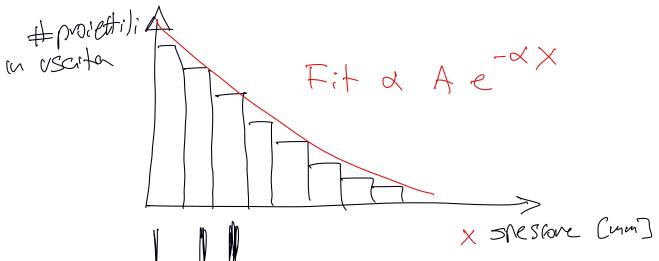
$$\frac{dn}{dt} = - (\nabla \cdot h_b \cdot dx) + \frac{\partial n_b}{\partial t}$$

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$$\frac{dn$$



dws = J. Nb. No note => Misure di o C I S C 1 barn = 40 m = 40 cm 1 nh = 90 b dur = T (dt S) = T &p. NB = T Np. Vp NB OP = UP of S colisione. dur = T NP. P NB non offinale.

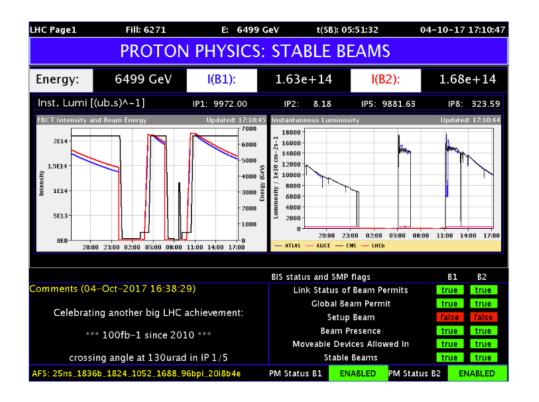
LHC: f= GO MHZ 1 int. Open 25 us

9 LHC: Np = 10 P/bunch.

10 p. 1800 peccheth.

NP = # pecchetti x #produi pecchetto.

Nr = J. Lingt. DT



L+of =
$$\int_{0T}^{2} L_{inst} \cdot dt$$

 $Nr = T \cdot \int_{0}^{2} L_{inst} \cdot dt = \int_{0}^{2} L_{inst}$
 $(L_{inst}) = L^{2}$
 $(100 \text{ fb})^{-1} = 10^{2} (10^{-15} \text{ b})^{-1} = 10^{2} 10^{5} \text{ b}^{-1}$
 $= 10^{17} \text{ b}^{-1}$

processo con
$$T = 15$$
 $Nr = 10^{17} 5^{1} \times 15 = 10^{17}$
 $Spc7_{10} dcs_{10} = 10^{17} \times 10^{17} \times 10^{17} \times 10^{17}$