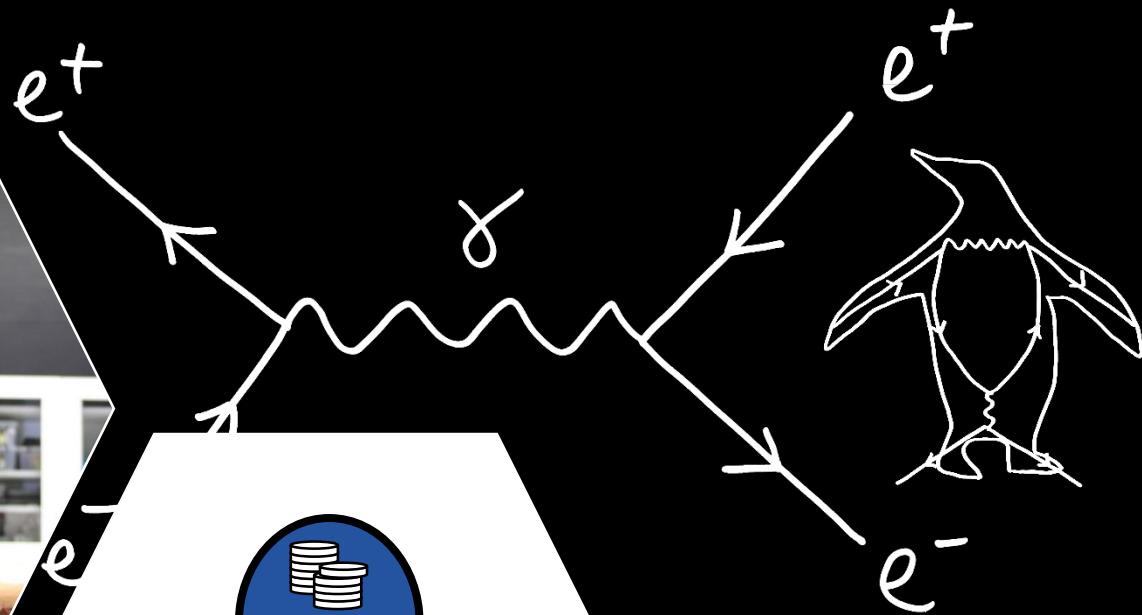


Summer CAMP 2018



$$E^2 = c^2 p^2 + m_0^2 c^4$$



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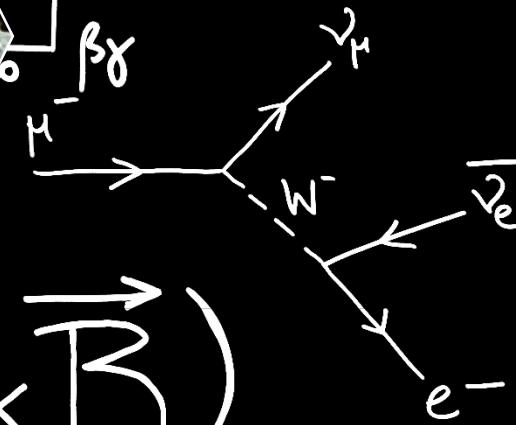
apply until 05.02.2018

cern.ch/s-cool-lab



$$\begin{pmatrix} \nu_e \\ e^- \end{pmatrix}_L, \begin{pmatrix} \nu_\mu \\ \mu^- \end{pmatrix}_L, \begin{pmatrix} \nu_\tau \\ \tau^- \end{pmatrix}_L$$

$$\alpha_{em} = \frac{e^2}{4\pi\epsilon_0\hbar c}$$



$$-\frac{dE}{dx} = K z^2 \frac{Z}{A} \frac{1}{\beta^2} \left[\frac{1}{2} \ln \frac{1}{1-\beta^2} - \frac{\delta(\beta\gamma)}{2} \right]$$

$$\mathbf{F} = q (\mathbf{v} \times \mathbf{B})$$