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Subject: Re: why is total energyloss always too small?

Posted by [Prometeusz Jasinski](#) on Tue, 30 Jul 2013 11:48:52 GMT

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Ok, found my own thought mistake:

$$m^{**2} = E^{**2} - p^{**2}$$

$$\Rightarrow E_{dep} = E - E_{mass\_at\_rest} = \sqrt{m^{**2}+p^{**2}}-m$$

with all the c's missing, so inserting masses and energies in MeV directly.

Gives the missing value in Edep. Nether thought about this before.

Thanks for your time

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