Honework I

1) Show that the maximum everyy transferred in a selectivistic headon allison elastic collision is

$$\frac{1}{m_{e}c^{2} + \frac{1}{2}(m_{e}c^{2} + \sqrt{(pq)^{2} + (m_{c}c^{2})^{2}})^{2}}$$

where p= wordent nombre of incident particle of new M me = new of target election which is withally at rest

2) Use GEANTY to determine the Rouge of the window particle chosen in Honework IV us a function of Every with Hydrogen.



