

PHYS 721. 8/28/2015 Homework.

Use Data Bank 1 for this homework.

1. Histogram the values in the first column of the file. Label the x-axis “E (GeV)”.
- 2.* Consider each row (each line) of the file to be two 4-momenta: $(E_1, p_{x1}, p_{y1}, p_{z1})$ and $(E_2, p_{x2}, p_{y2}, p_{z2})$. Histogram the masses of each. Histogram the mass of the sum of the two 4-momenta.