

AST 250 – Spring 2019

Homework Due: Fri Feb 15

16. If the Sun is 74% Hydrogen by mass, estimate the percentage of the Sun's hydrogen that has "burned" by fusion over its lifetime assuming it has "burned" Hydrogen at the same rate that it burns it today. Hint: Remember that 0.7% of the mass of each proton is converted into energy by the p-p chain nuclear reactions.

