

PHY 238Y
PROBLEM SET #2
NOVEMBER 7, 2002

FROM DOSE SECTION

Q 38, 48, 52, 53

Note Q38 - Q for neutrons (or w_R) = 10
Q48 - Average beta energy for Tritium =
6 keV
-Nuclear half-life of T = 4000 days
-Biological half-life of water in the body
= 12 days

FROM TARGET THEORY
SECTION

Q2, 4