

```
S = Ecat
Ans 5.2 b) [nad = 2 Tu + 2 Tu = 1674,2 MeV
               (u+c) (d,s,b)
as (c) Thouged lepton = 3 Te = 250. 17 MeV
        d) Trental invisible = Tre + Tru + Tre = 3 Tre = 8 × 165. 85
                                             = 497.55 MeV
       a) That = Thought Tcharged epition + Theodord surpible
                 = 2421,92 MeV
        e) of mak = 12th re. ry
             = 6.44625 X10-8 X Fg 6.44625 × 10-4 × Fg
             Shad = 1.079 × 10-10 = 10,79 × 10-11
              5 charged lepton = 1,612 × 10-11
              neutral invisible = 3, 207 × 10-11
               6 real = 15.612 × 10-11
            If there's another generation:
 Am 5.3
                Trew = 3 Tet 3F Told + Te + Tu + Tu + Tu
                 => Them - Told = re+TV+TV+Td
              % drange = [new - Told X100%
                         Told
                            = 902,42 × 100%
                            ≥ 37, 26 %
```



