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PART-THRS

Region # name     volume         LE-FISS  Star Density   HE-FISS  Star Density   NEUTRON  Star Density            Star Density
                in cubic cm       Stars/cm**3             Stars/cm**3             Stars/cm**3             Stars/cm**3
                                  /one beam particle      /one beam particle      /one beam particle      /one beam particle

      1 rBlkHole 1.000000000E+00         0.000000000E+00         0.000000000E+00         0.000000000E+00         0.000000000E+00
      2 rVacBox  1.000000000E+00         0.000000000E+00         0.000000000E+00         0.000000000E+00         0.000000000E+00
      3 rTaCont  1.000000000E+00         0.000000000E+00         5.200000000E-05         1.346000000E-03         0.000000000E+00
      4 rUO2Tgt  1.000000000E+00         0.000000000E+00         1.013210000E-01         2.373000000E-03         0.000000000E+00
 Total (integrated over volume):         0.000000000E+00         1.013730000E-01         3.719000000E-03         0.000000000E+00


Number of stars generated per beam particle:
Prompt radiation      Radioactive decays
1.4427E-01 (100.%)   0.0000E+00 (100.%)
1.6000E-04 ( 0.1%)   0.0000E+00 ( 0.0%) generated by TRITON
4.7100E-04 ( 0.3%)   0.0000E+00 ( 0.0%) generated by DEUTERON
1.3956E-01 (96.7%)   0.0000E+00 ( 0.0%) generated by PROTON
3.7190E-03 ( 2.6%)   0.0000E+00 ( 0.0%) generated by NEUTRON
2.5300E-04 ( 0.2%)   0.0000E+00 ( 0.0%) generated by PION-


Number of secondaries generated in inelastic interactions per beam particle:
Prompt radiation      Radioactive decays
2.7420E+00 (100.%)   1.4130E+00 (100.%)
2.2343E-02 ( 0.8%)   9.0400E-05 ( 0.0%) 4-HELIUM
2.0127E-02 ( 0.7%)   0.0000E+00 ( 0.0%) TRITON
2.9342E-02 ( 1.1%)   0.0000E+00 ( 0.0%) DEUTERON
1.6430E-01 ( 6.0%)   0.0000E+00 ( 0.0%) PROTON
7.8095E-01 (28.5%)   4.3074E-01 (30.5%) PHOTON
1.7138E+00 (62.5%)   0.0000E+00 ( 0.0%) NEUTRON
4.2120E-03 ( 0.2%)   0.0000E+00 ( 0.0%) PION+
1.4690E-03 ( 0.1%)   0.0000E+00 ( 0.0%) PION-
4.5400E-03 ( 0.2%)   0.0000E+00 ( 0.0%) PIZERO

Number of high energy fissions generated per beam particle:
Prompt radiation      Radioactive decays
1.0137E-01 (100.%)   0.0000E+00 (100.%)
9.9783E-02 (98.4%)   0.0000E+00 ( 0.0%) generated by PROTON
1.4220E-03 ( 1.4%)   0.0000E+00 ( 0.0%) generated by NEUTRON
1.2200E-04 ( 0.1%)   0.0000E+00 ( 0.0%) generated by PION-


Number of decay products produced per beam particle:
Prompt radiation      Radioactive decays
9.5770E-03 (100.%)   0.0000E+00 (100.%)
5.9000E-05 ( 0.6%)   0.0000E+00 ( 0.0%) ELECTRON
9.9000E-05 ( 1.0%)   0.0000E+00 ( 0.0%) POSITRON
4.0000E-05 ( 0.4%)   0.0000E+00 ( 0.0%) NEUTRIE
9.0210E-03 (94.2%)   0.0000E+00 ( 0.0%) PHOTON
1.2200E-04 ( 1.3%)   0.0000E+00 ( 0.0%) MUON+
3.7000E-05 ( 0.4%)   0.0000E+00 ( 0.0%) MUON-
1.2200E-04 ( 1.3%)   0.0000E+00 ( 0.0%) NEUTRIM
7.7000E-05 ( 0.8%)   0.0000E+00 ( 0.0%) ANEUTRIM


Number of stopping particles per beam particle:
Prompt radiation      Radioactive decays
1.6092E+00 (100.%)   9.0400E-05 (100.%)
2.1496E-02 ( 1.3%)   9.0400E-05 (****%) 4-HELIUM
8.1100E-04 ( 0.1%)   0.0000E+00 ( 0.0%) 3-HELIUM
1.6327E-02 ( 1.0%)   0.0000E+00 ( 0.0%) TRITON
1.4003E-02 ( 0.9%)   0.0000E+00 ( 0.0%) DEUTERON
2.6383E-02 ( 1.6%)   0.0000E+00 ( 0.0%) PROTON
1.5298E+00 (95.1%)   0.0000E+00 ( 0.0%) NEUTRON


Number of secondaries generated in inelastic interactions per beam particle:
Prompt radiation      Radioactive decays
2.7420E+00 (100.%)   1.4130E+00 (100.%)
2.2343E-02 ( 0.8%)   9.0400E-05 ( 0.0%) 4-HELIUM
2.0127E-02 ( 0.7%)   0.0000E+00 ( 0.0%) TRITON
2.9342E-02 ( 1.1%)   0.0000E+00 ( 0.0%) DEUTERON
7.8095E-01 (28.5%)   4.3074E-01 (30.5%) PHOTON
1.7138E+00 (62.5%)   0.0000E+00 ( 0.0%) NEUTRON
4.2120E-03 ( 0.2%)   0.0000E+00 ( 0.0%) PION+
1.4690E-03 ( 0.1%)   0.0000E+00 ( 0.0%) PION-
4.5400E-03 ( 0.2%)   0.0000E+00 ( 0.0%) PIZERO
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