

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

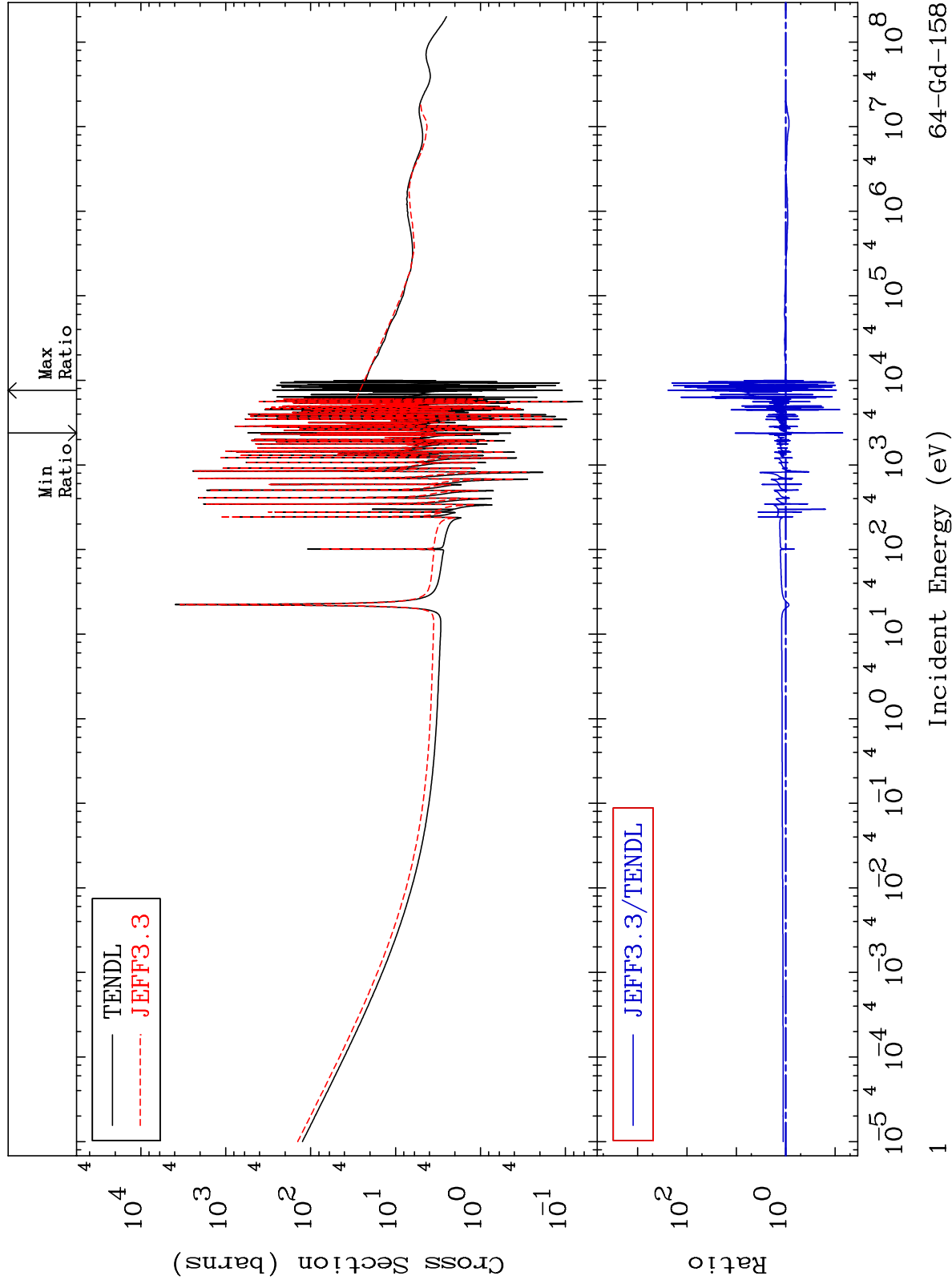
MAT 6443

Total

64-Gd-158

Cross Section

-93.00 To 9999. %

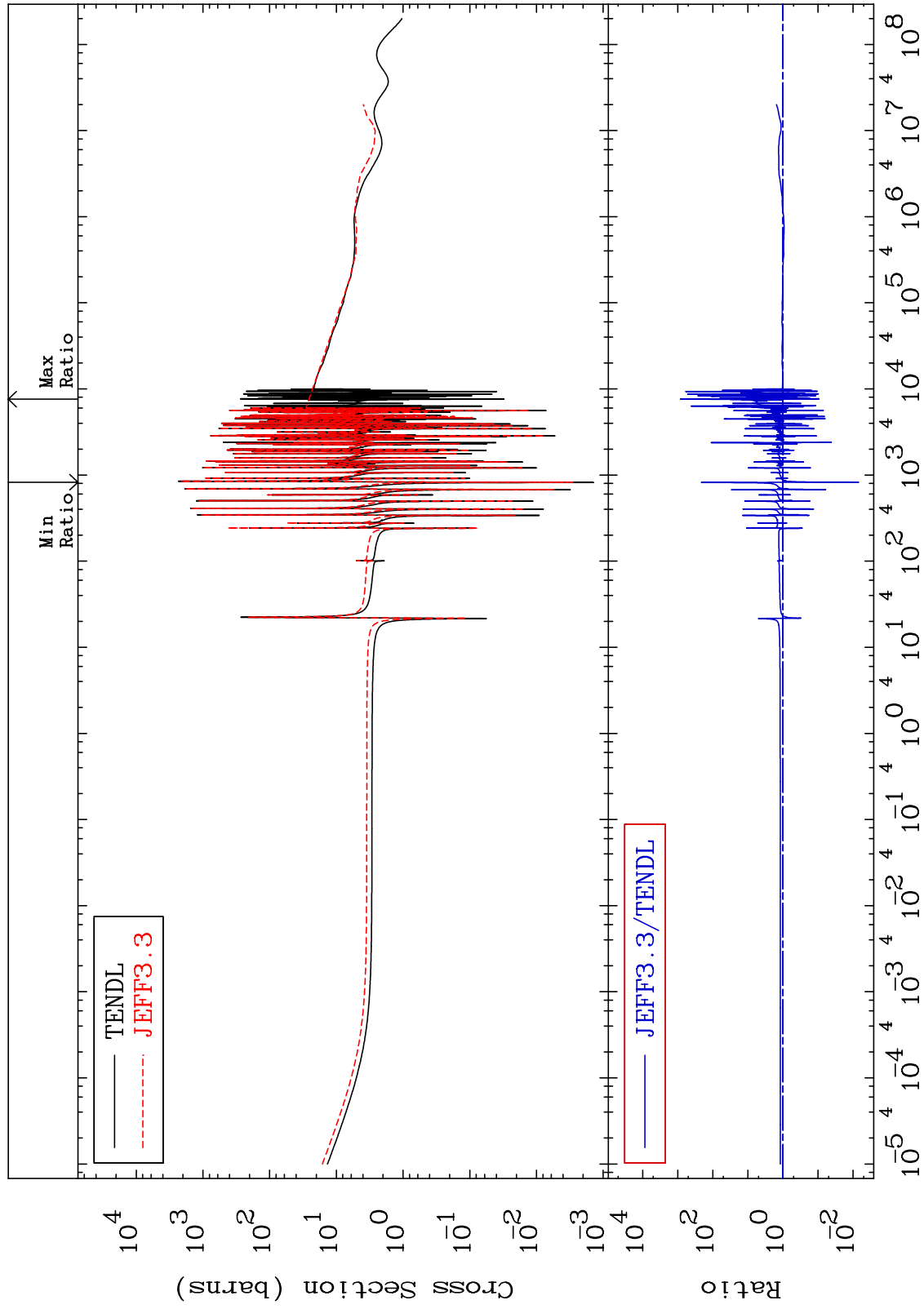


64-Gd-158

MAT 6443

Elastic  
Cross Section

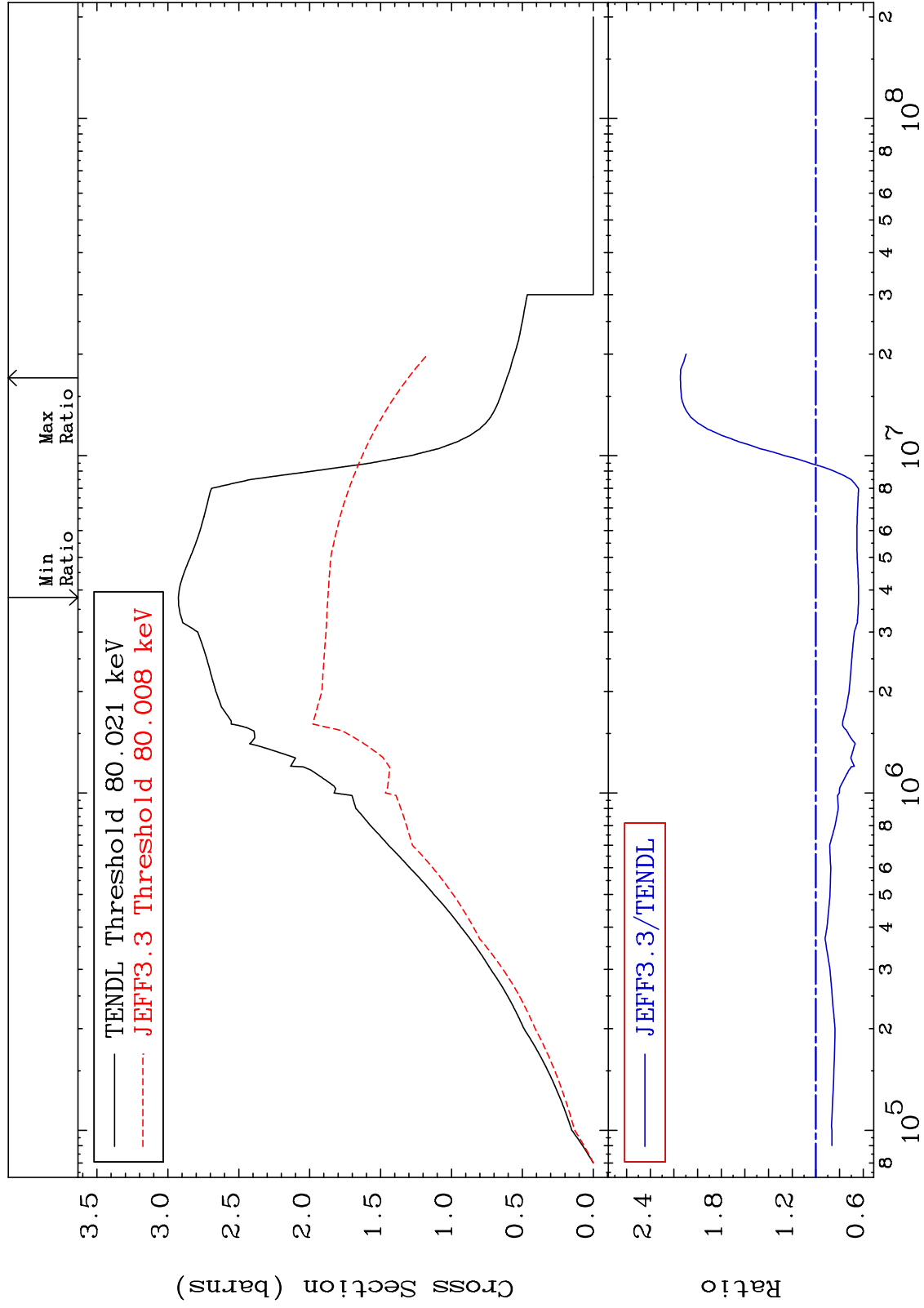
64-Gd-158  
-99.30 To 9999. %



MAT 6443

Inelastic  
Cross Section

64-Gd-158  
-36.04 To 114.5 %



64-Gd-158

Incident Energy (eV)

3

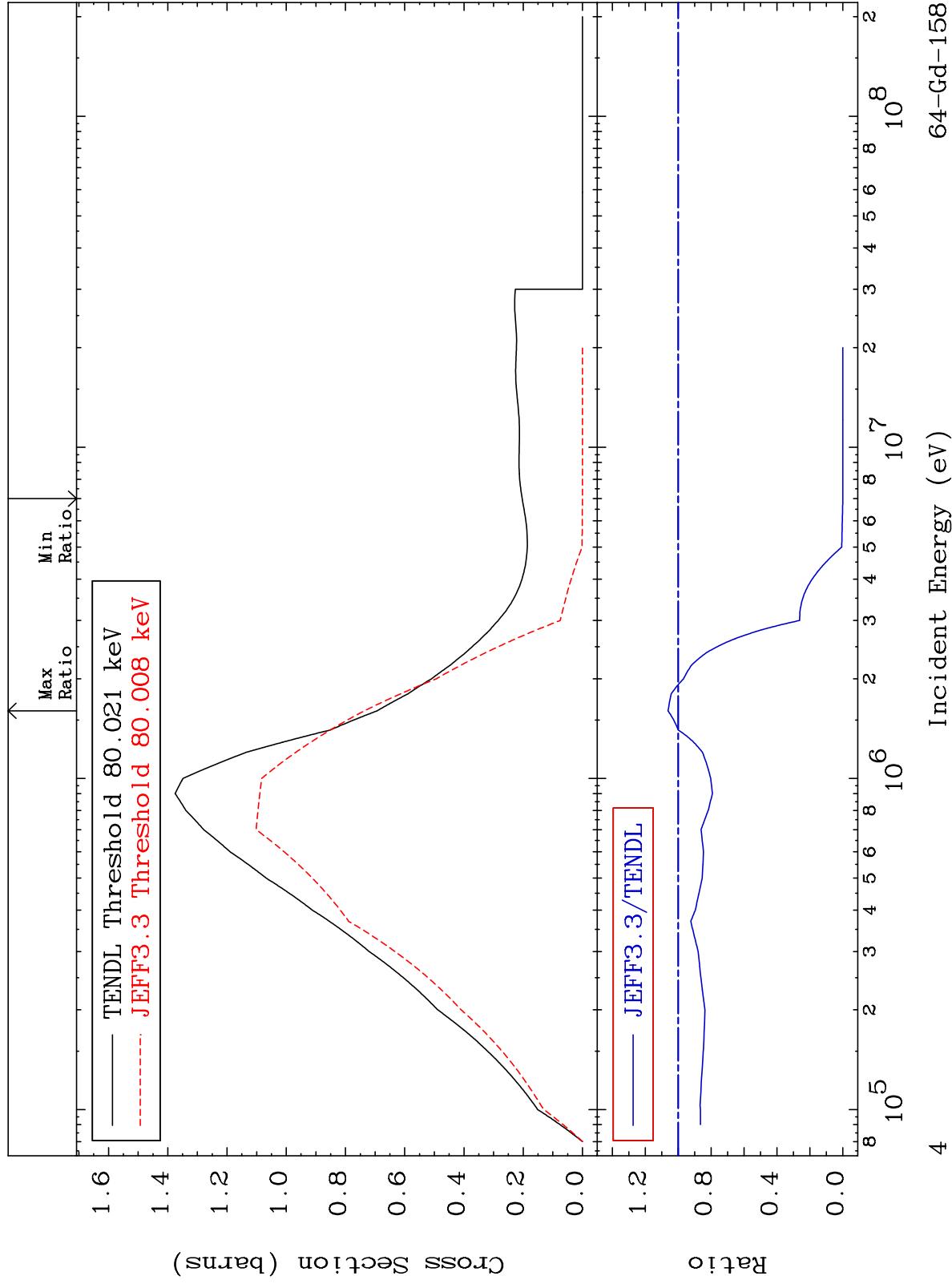
MAT 6443

MT= 51 (n, n') Level

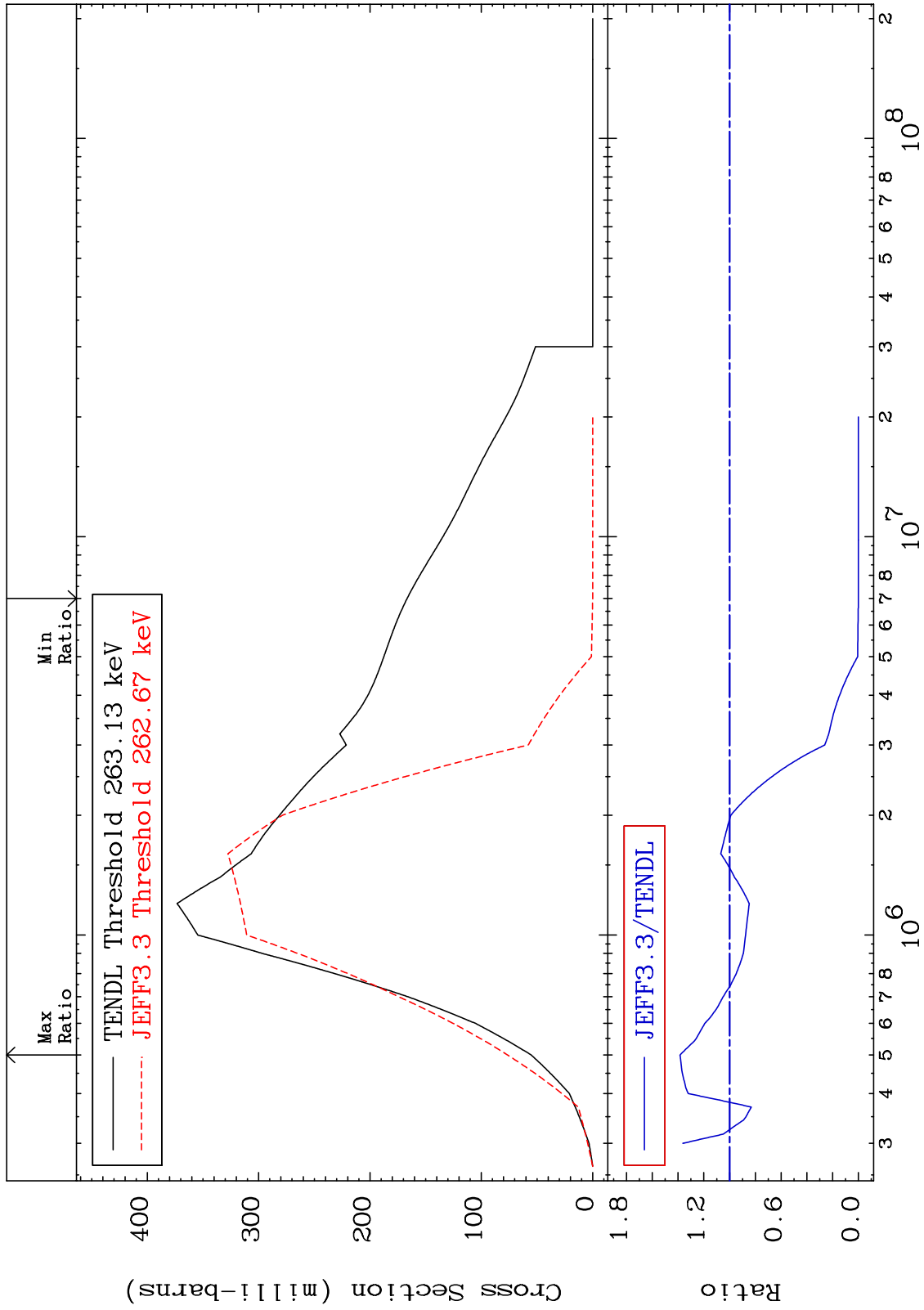
64-Gd-158

-100.0 To 6.194 %

Cross Section



MAT 6443      MT= 52 (n,n') Level      64-Gd-158  
 Cross Section      -100.0 To 38.48 %

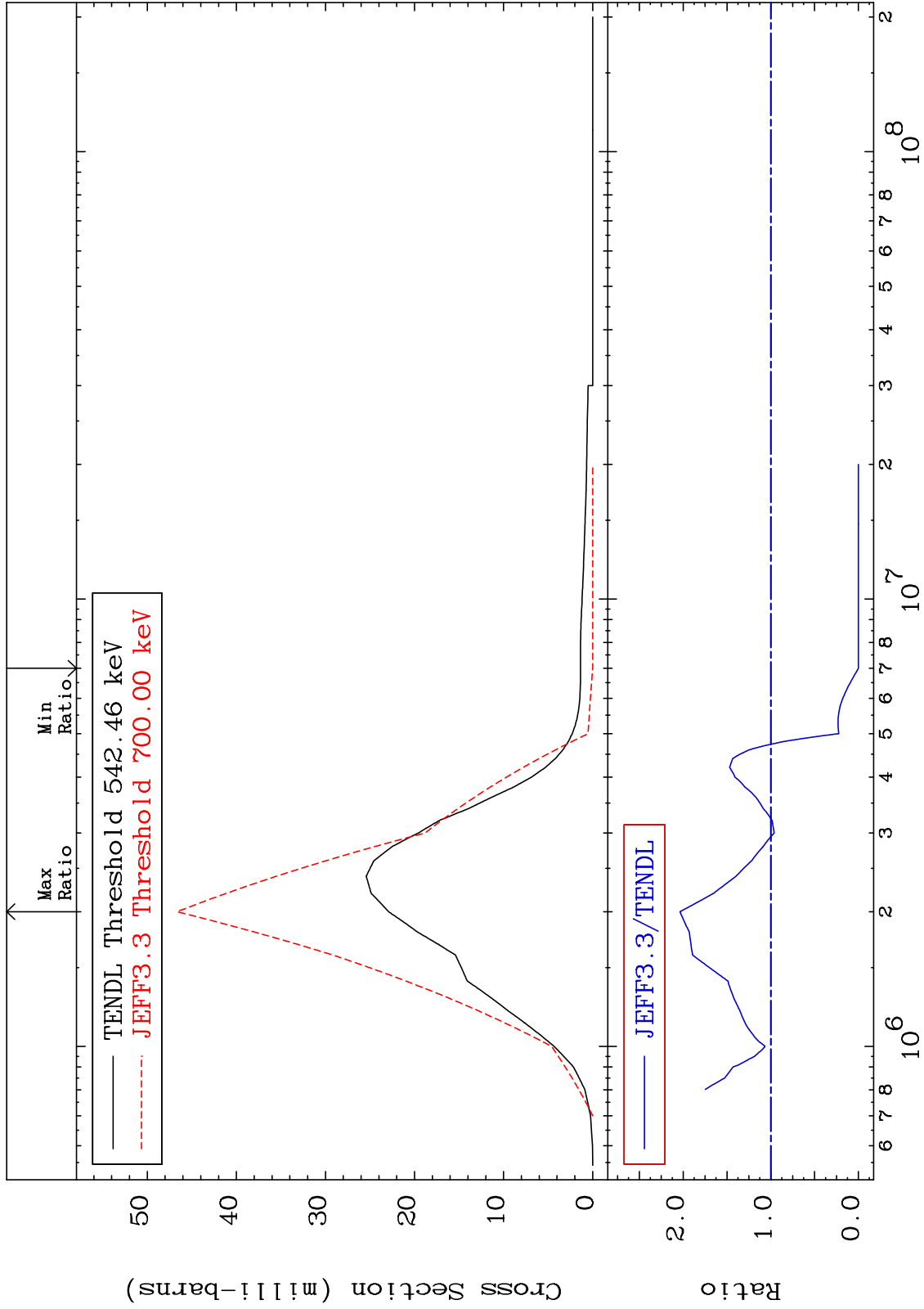


5      Incident Energy (eV)      64-Gd-158

MAT 6443

MT= 53 (n,n') Level  
Cross Section

64-Gd-158  
-100.0 To 103.6 %



6

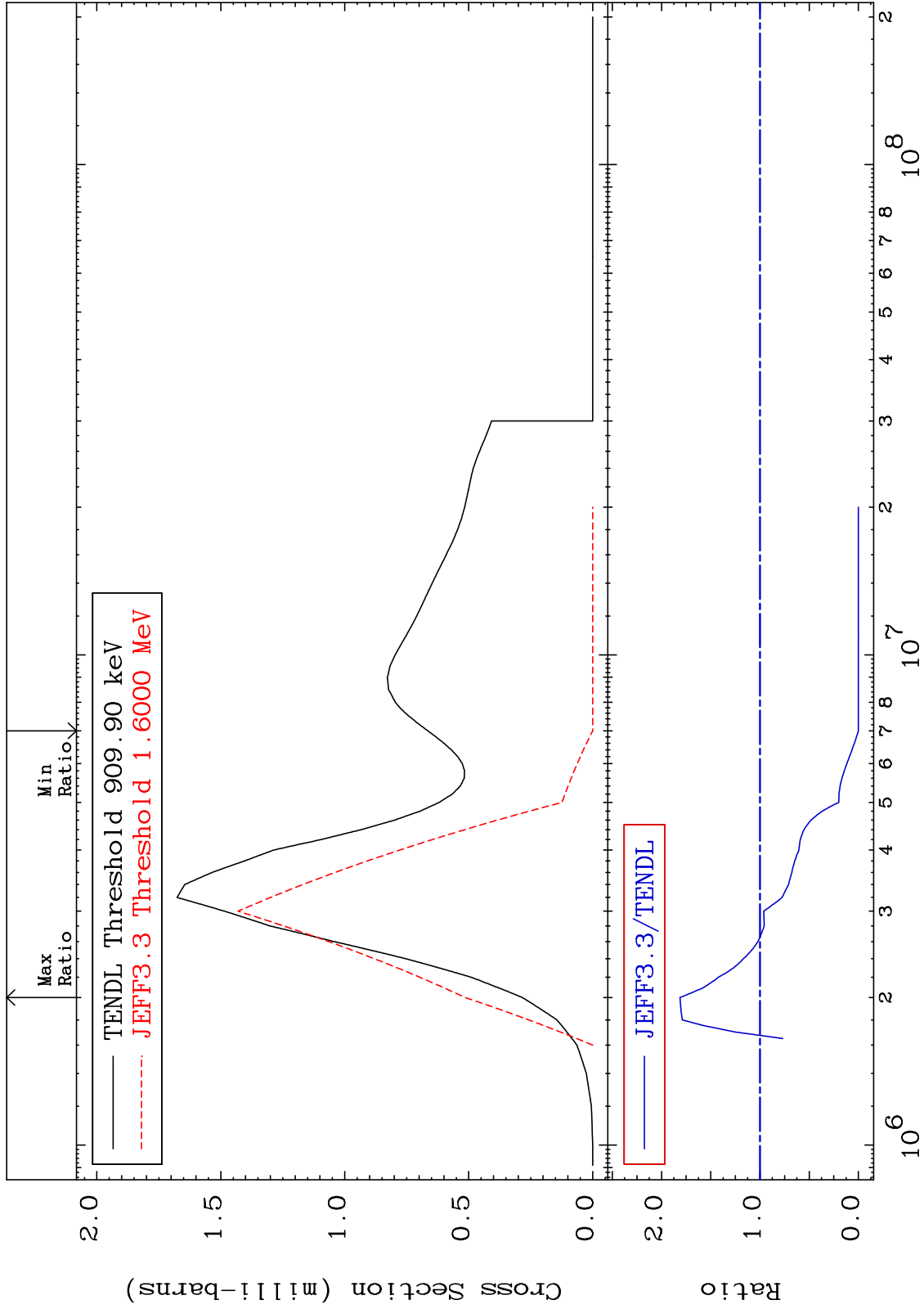
64-Gd-158

64-Gd-158

MAT 6443

MT= 54 (n,n') Level  
Cross Section

64-Gd-158  
-100.0 To 81.23 %



64-Gd-158

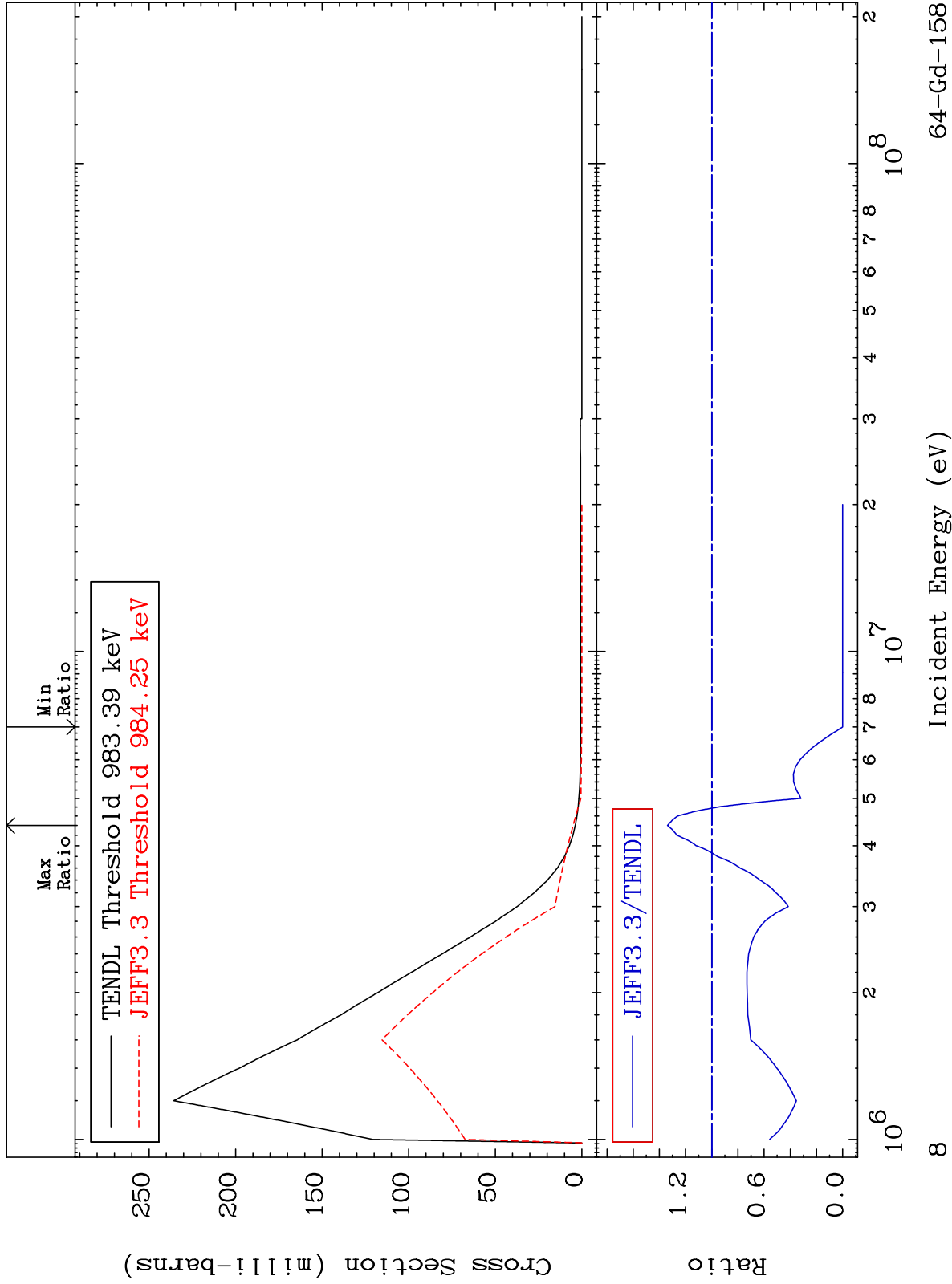
64-Gd-158



MAT 6443

MT= 55 (n,n') Level  
Cross Section

64-Gd-158  
-100.0 To 33.76 %

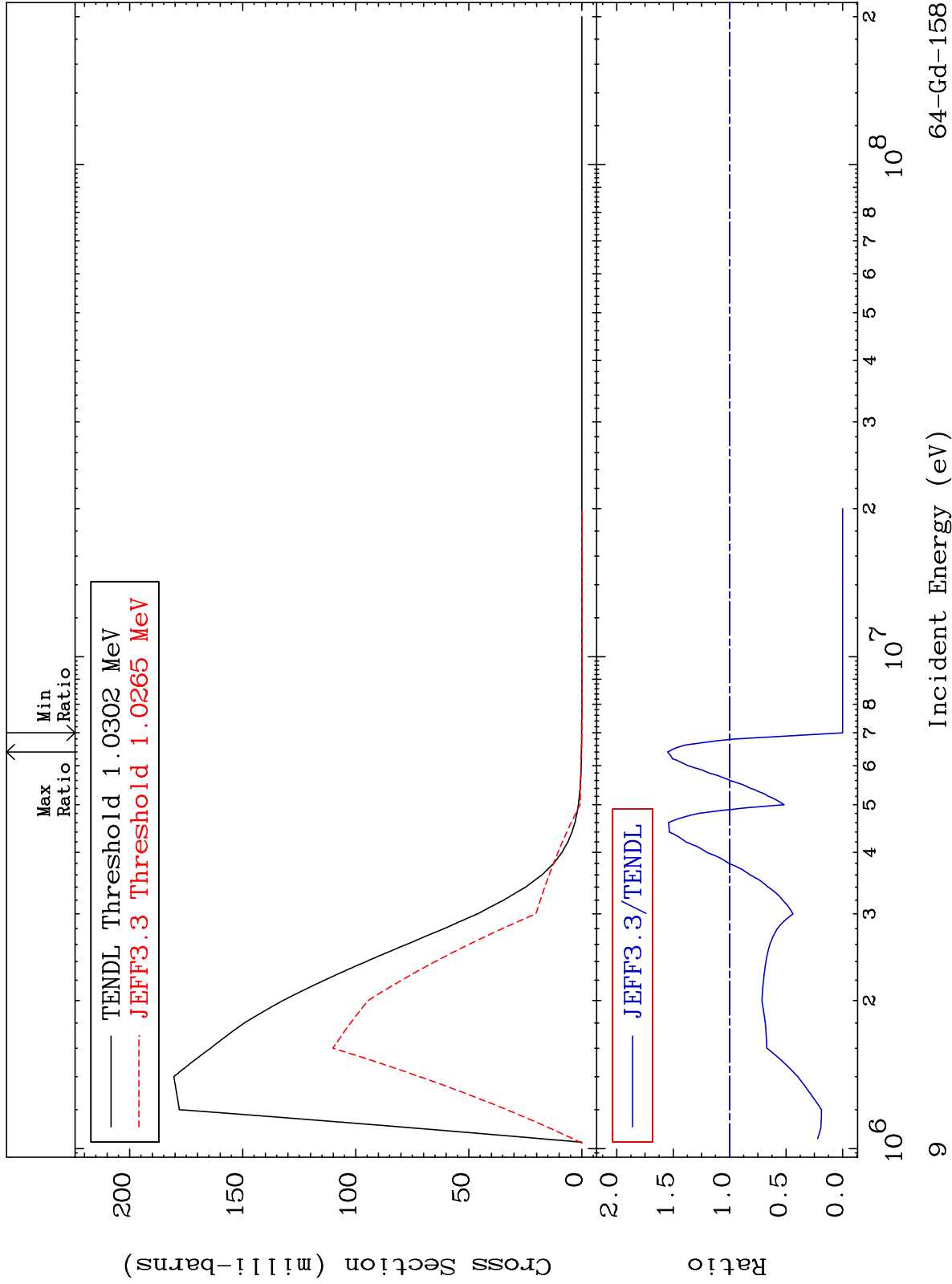


64-Gd-158

MAT 6443

MT= 56 (n,n') Level  
Cross Section

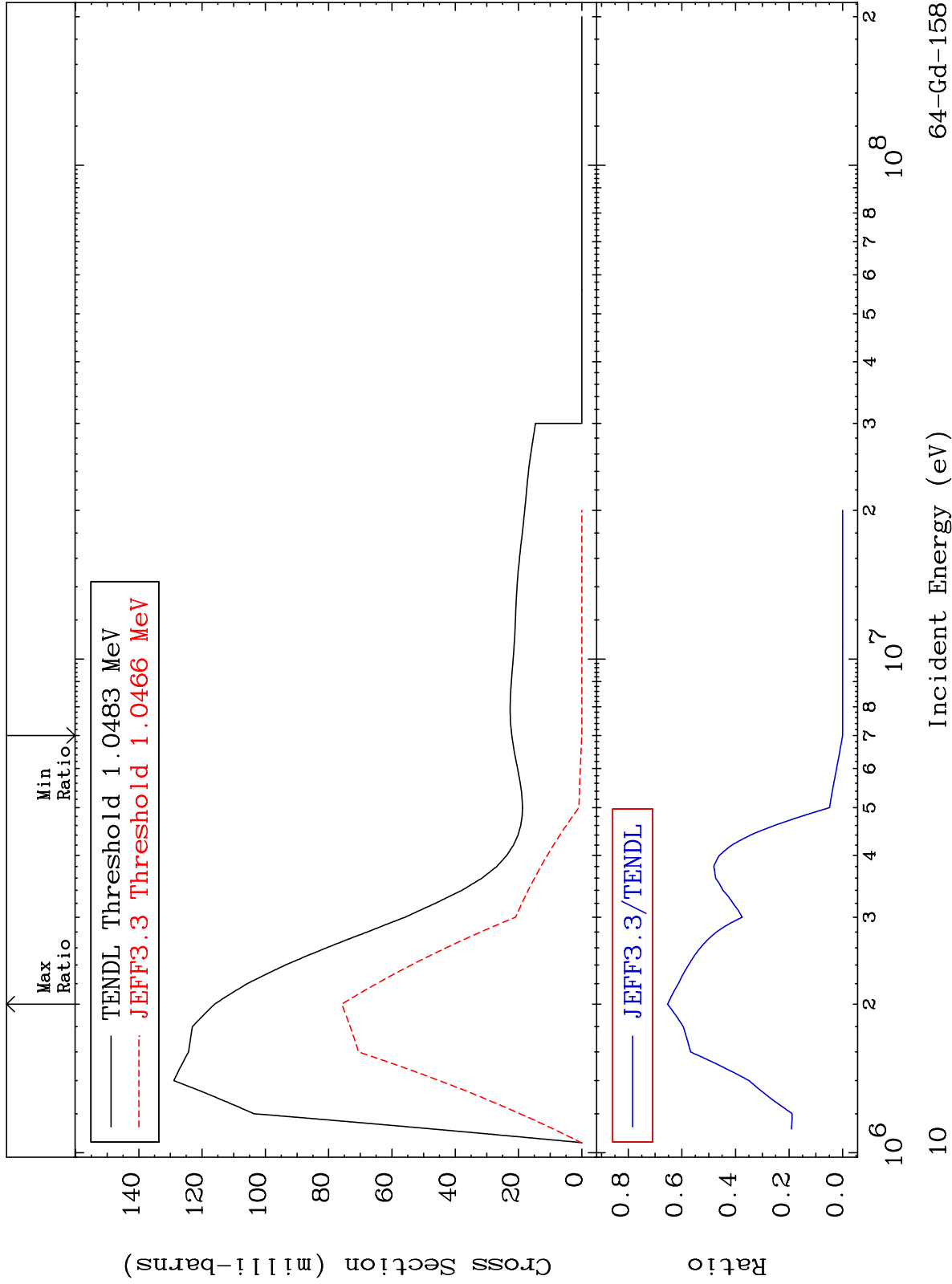
64-Gd-158  
-100.0 To 54.97 %



MAT 6443

MT= 57 (n, n') Level  
Cross Section

64-Gd-158  
-100.0 To -34.63%



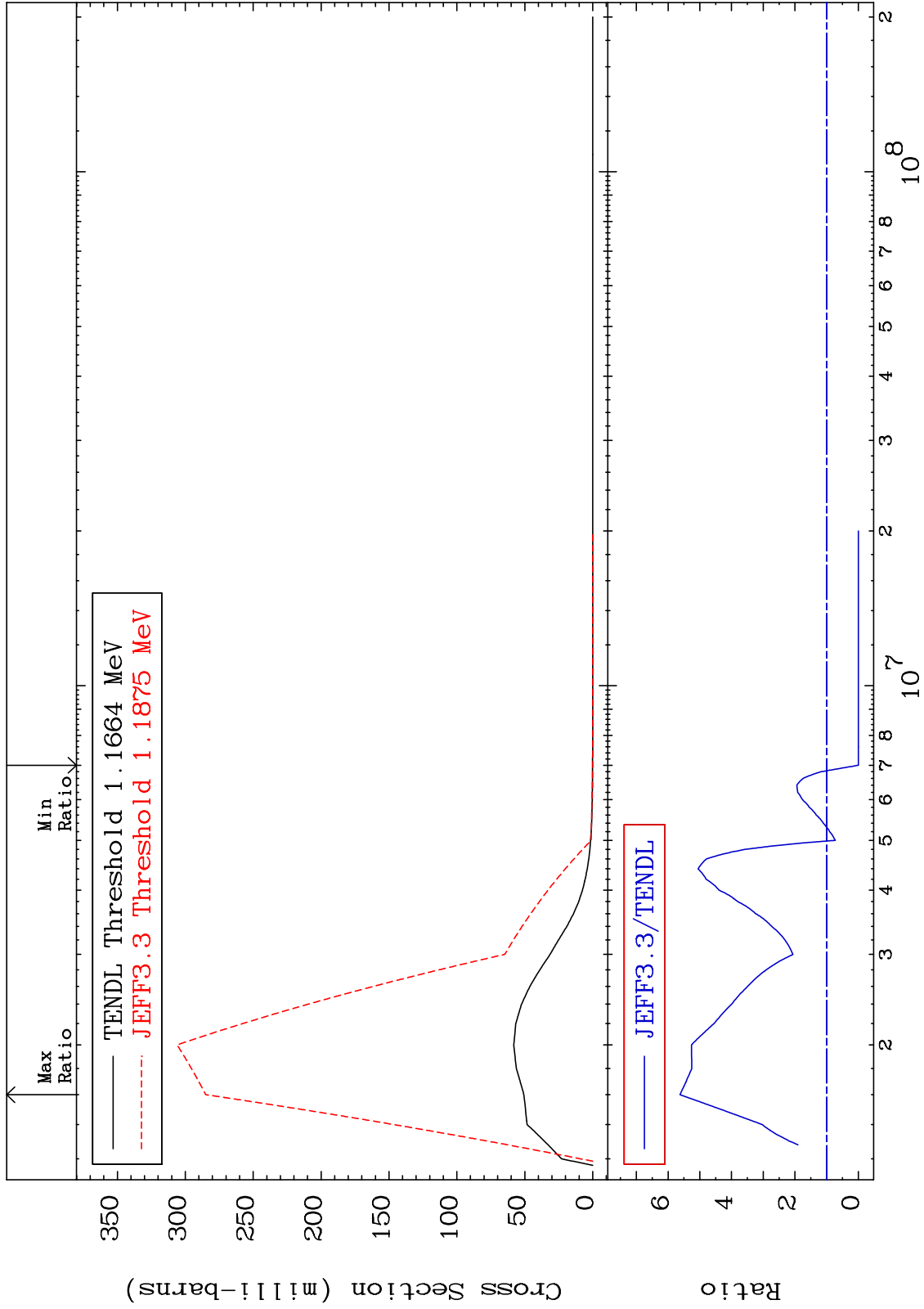
64-Gd-158

Incident Energy (eV)

MAT 6443

MT= 58 (n, n') Level  
Cross Section

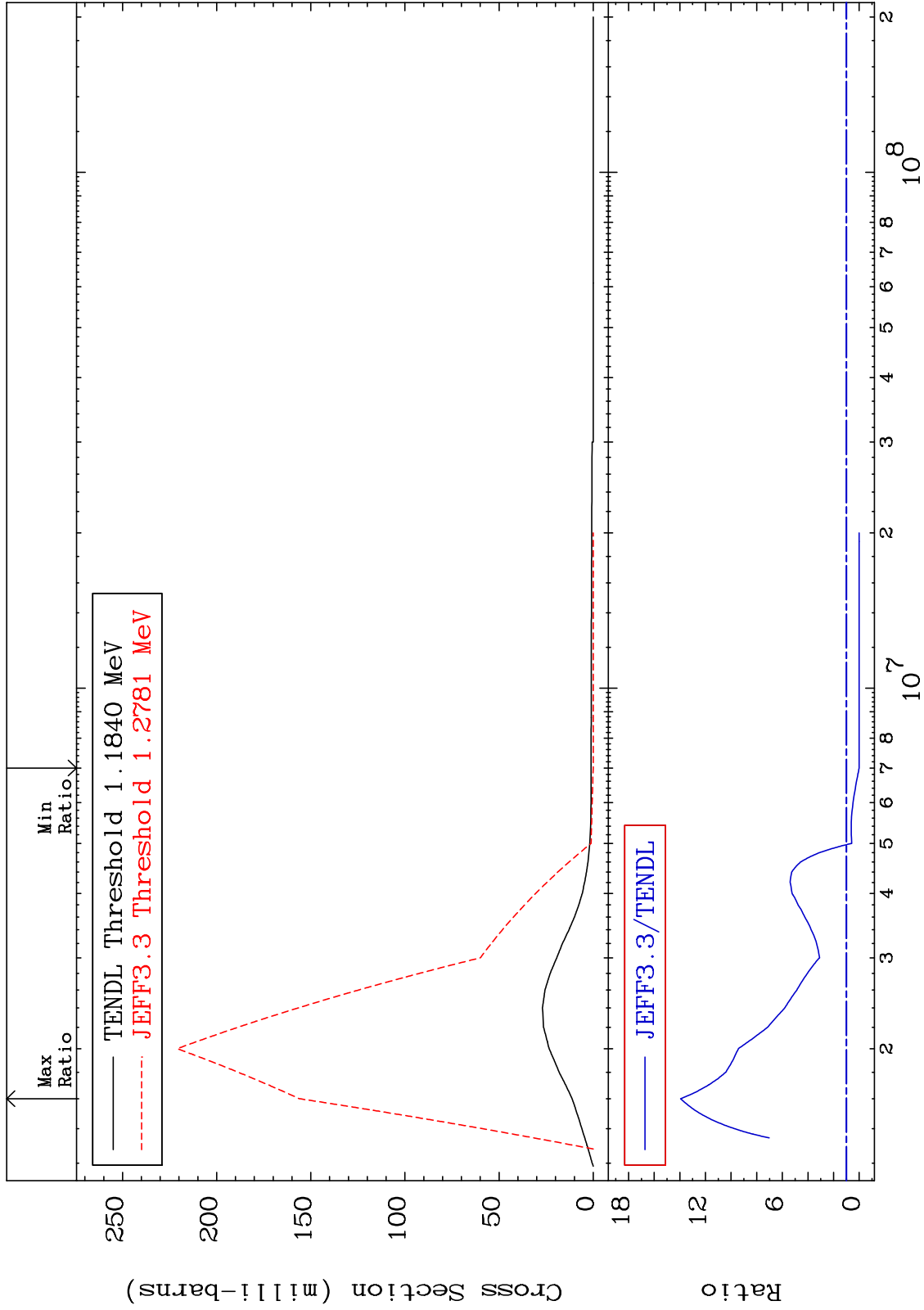
64-Gd-158  
-100.0 To 462.4 %



MAT 6443

MT= 59 (n,n') Level  
Cross Section

64-Gd-158  
-100.0 To 1294. %



12

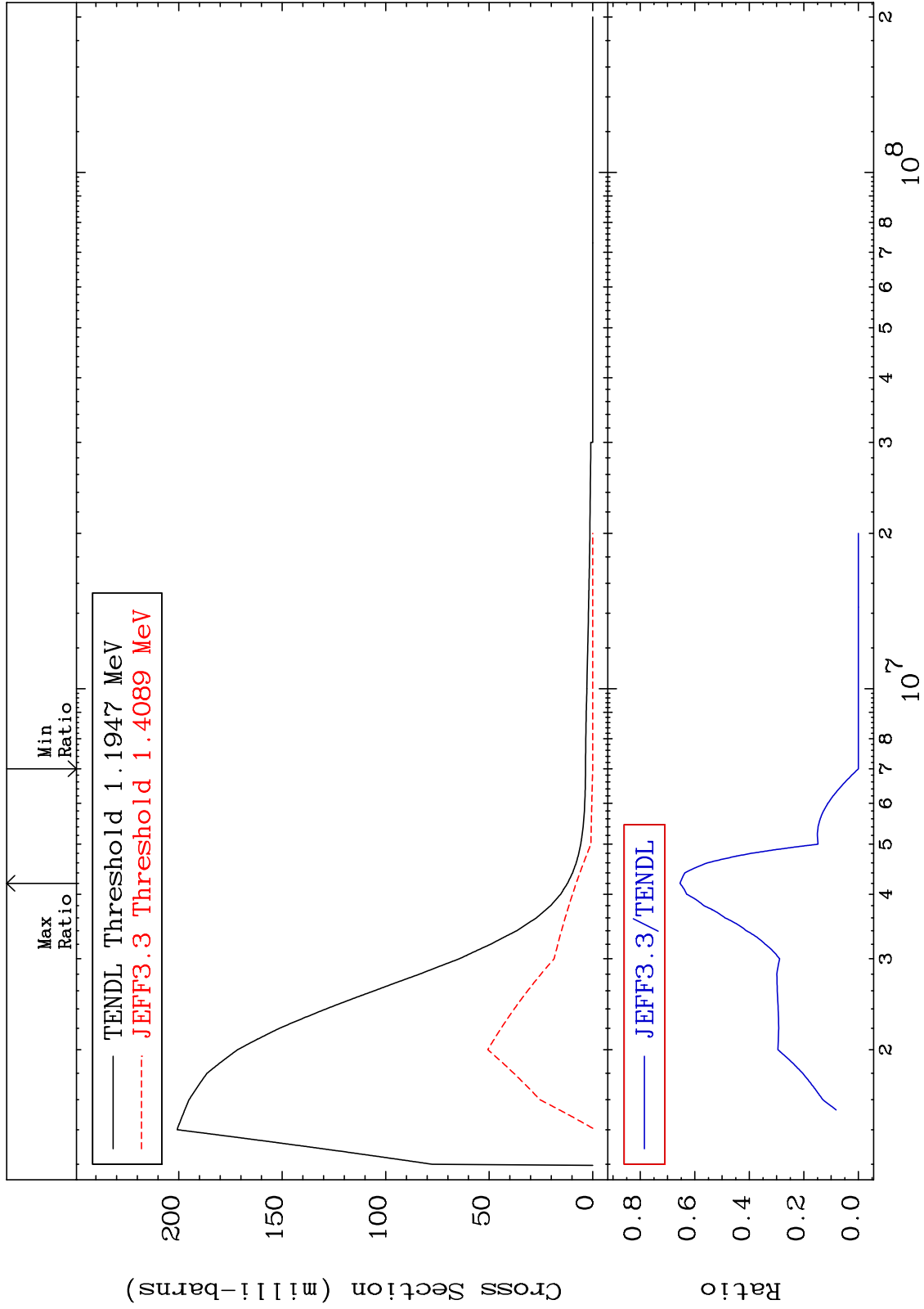
Incident Energy (eV)

64-Gd-158

MAT 6443

MT= 60 (n,n') Level  
Cross Section

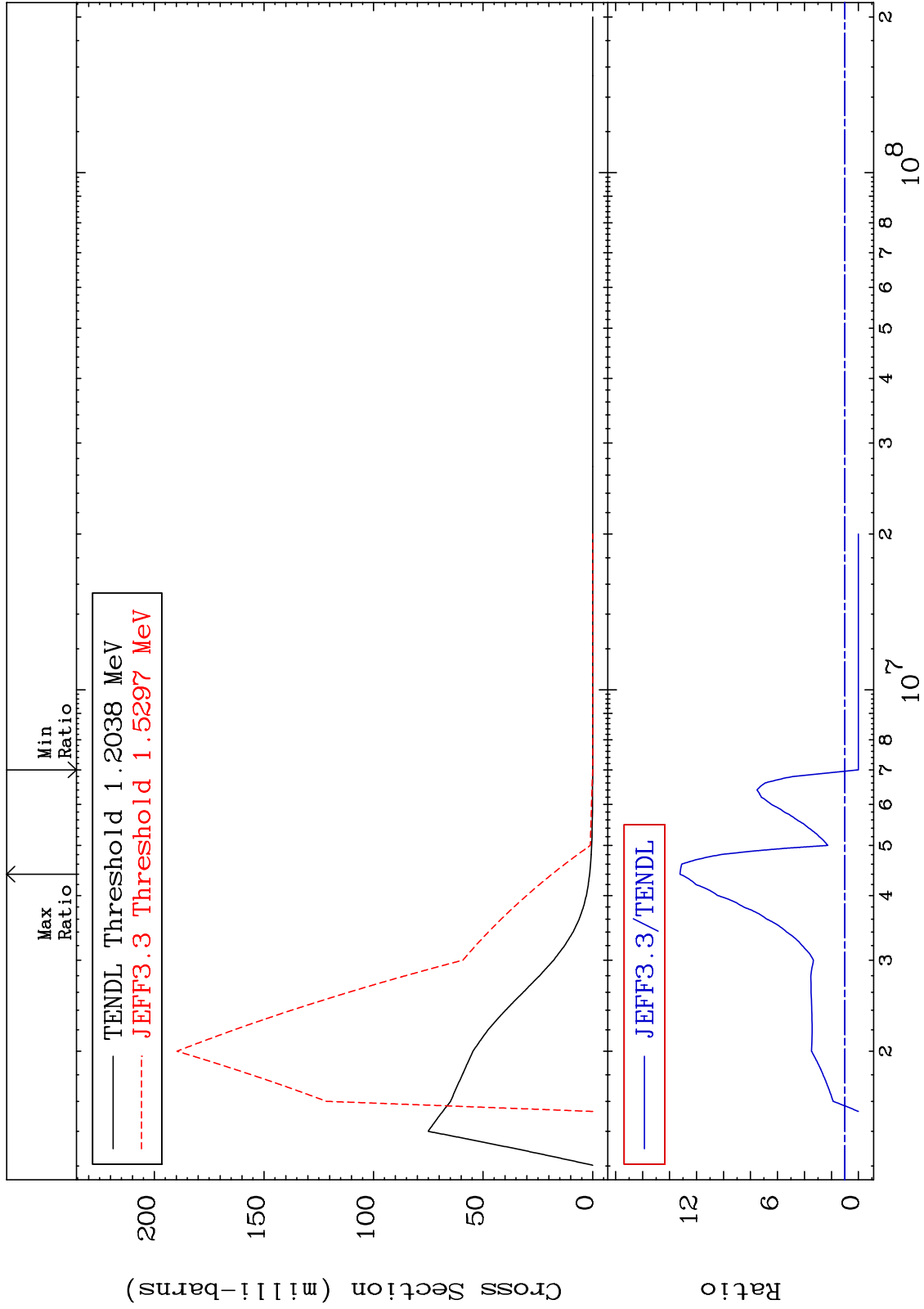
64-Gd-158  
-100.0 To -34.56%



MAT 6443

MT= 61 (n,n') Level  
Cross Section

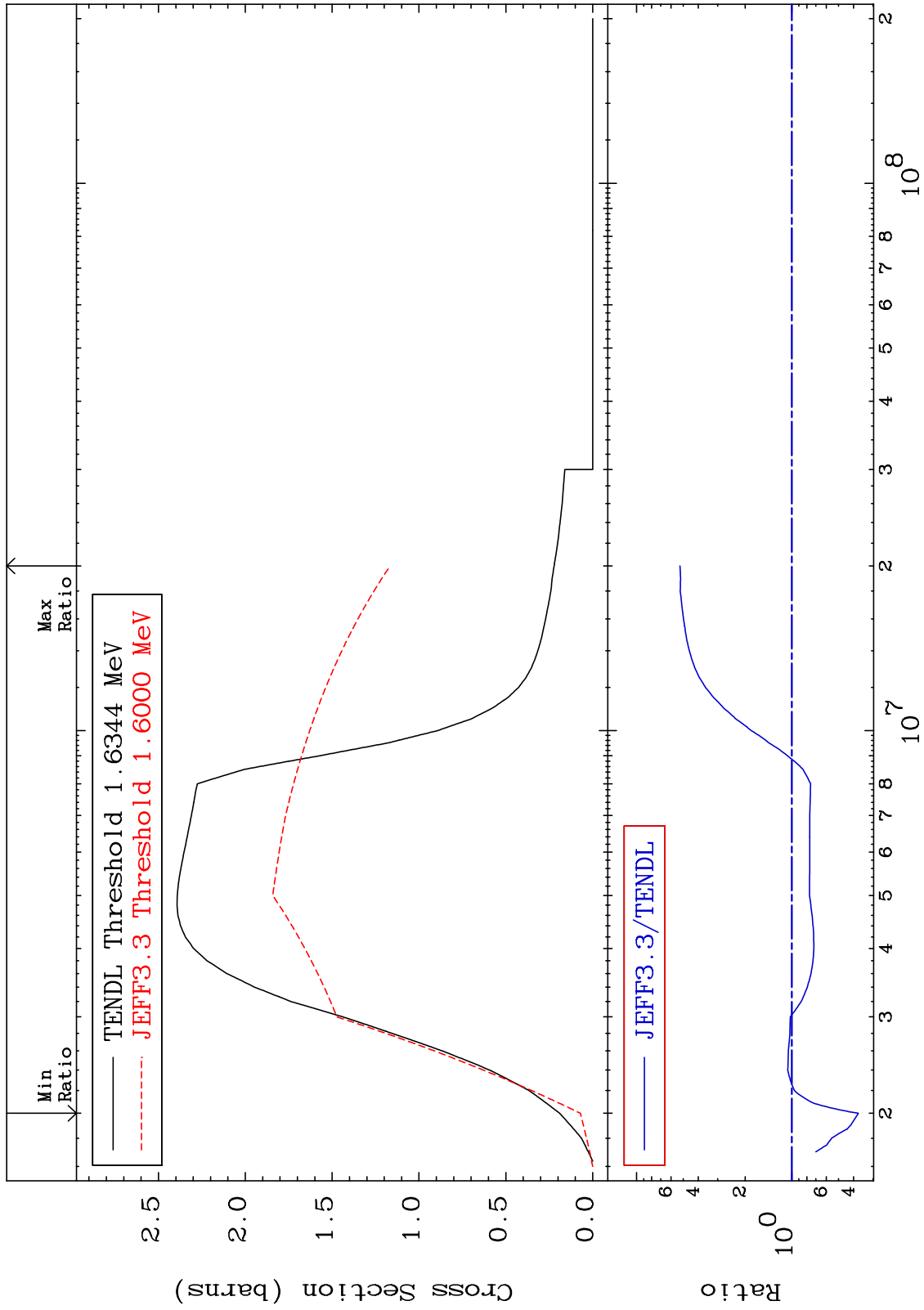
64-Gd-158  
-100.0 To 1222. %



MAT 6443

(n, n') Continuum  
Cross Section

64-Gd-158  
-62.78 To 425.2 %

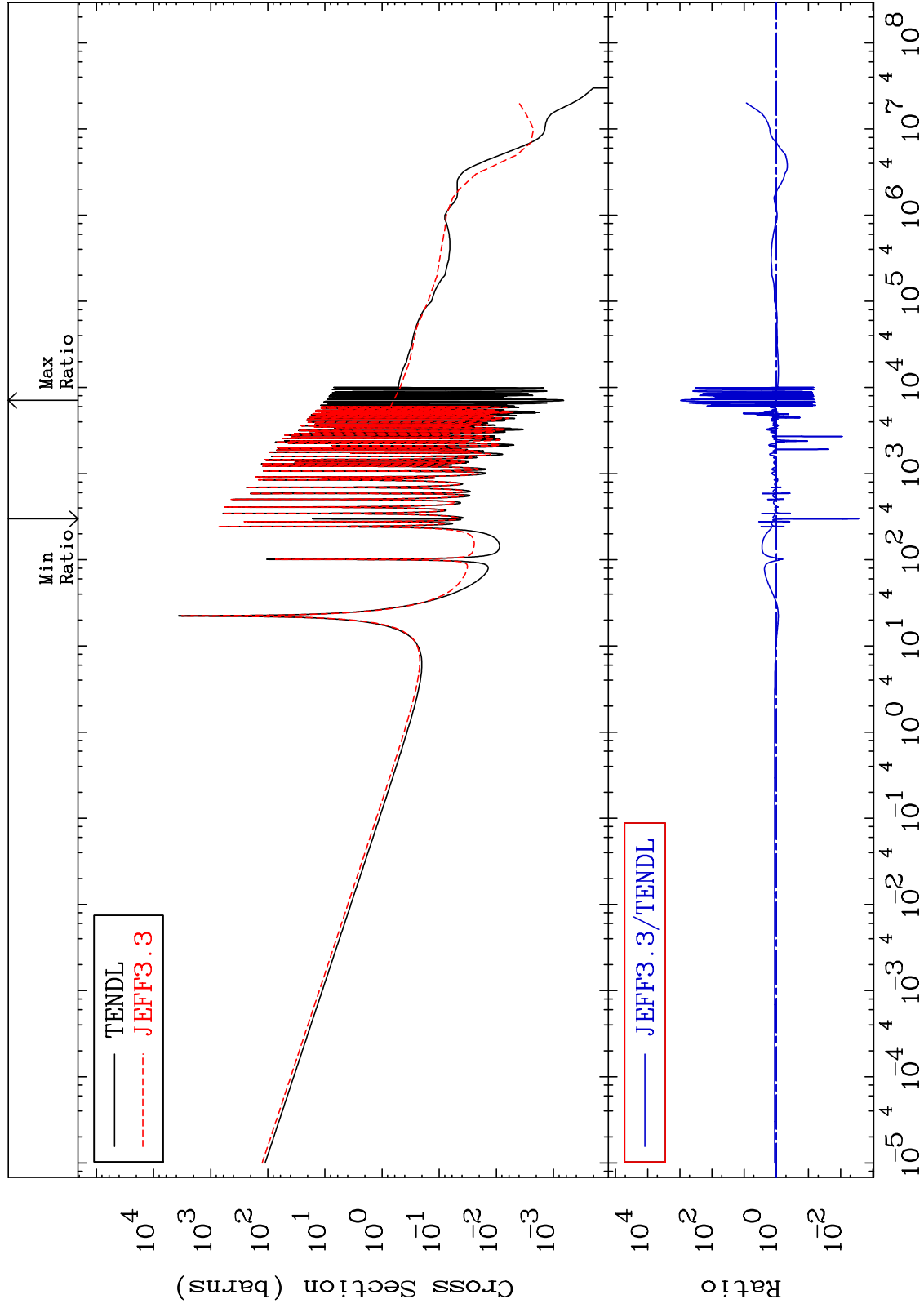




MAT 6443

(n,  $\gamma$ )  
Cross Section

64-Gd-158  
-99.72 To 9999. %

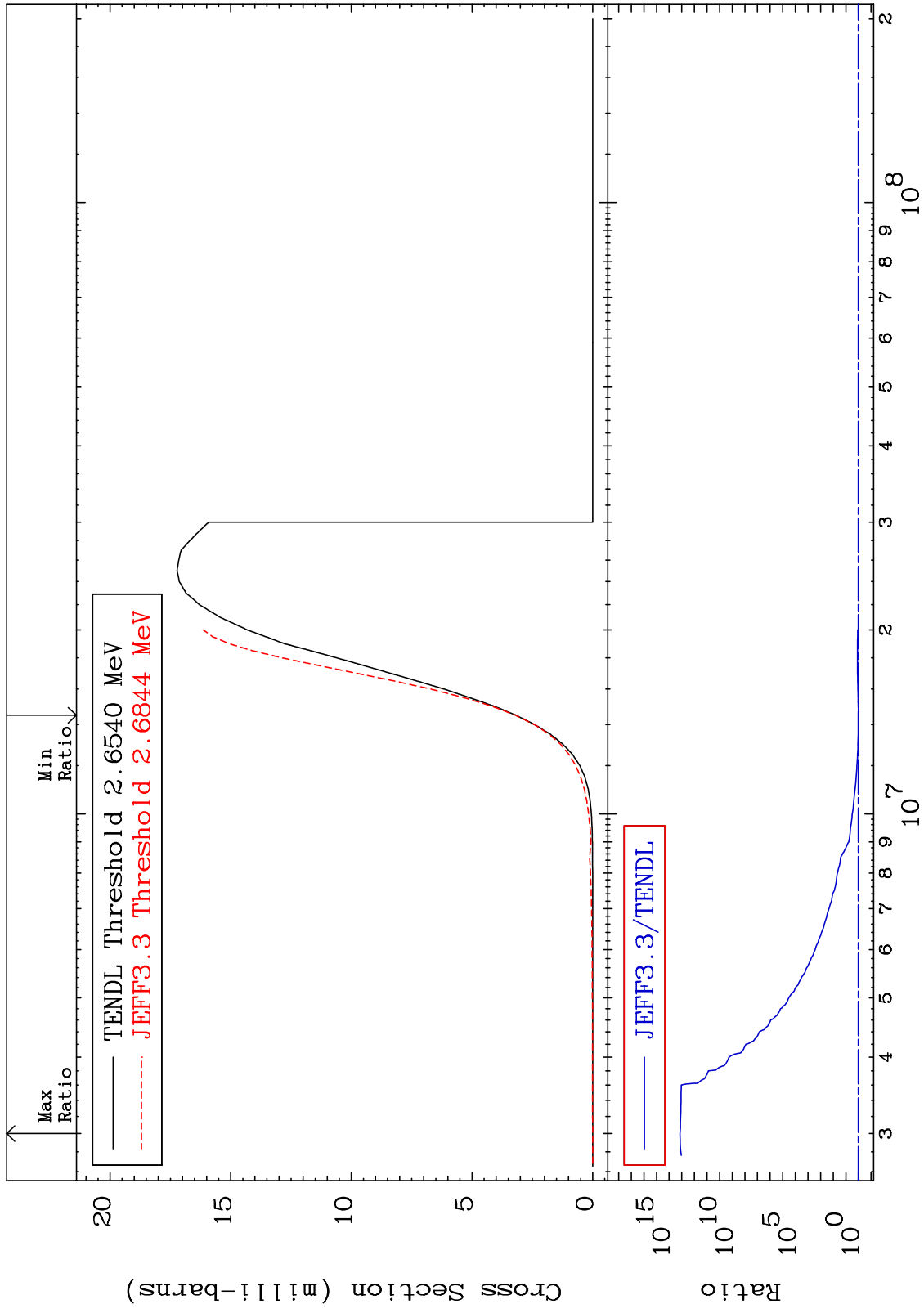


16

Incident Energy (eV)

64-Gd-158

MAT 6443 (n,p) Cross Section 64-Gd-158 To 9999. % 0.600



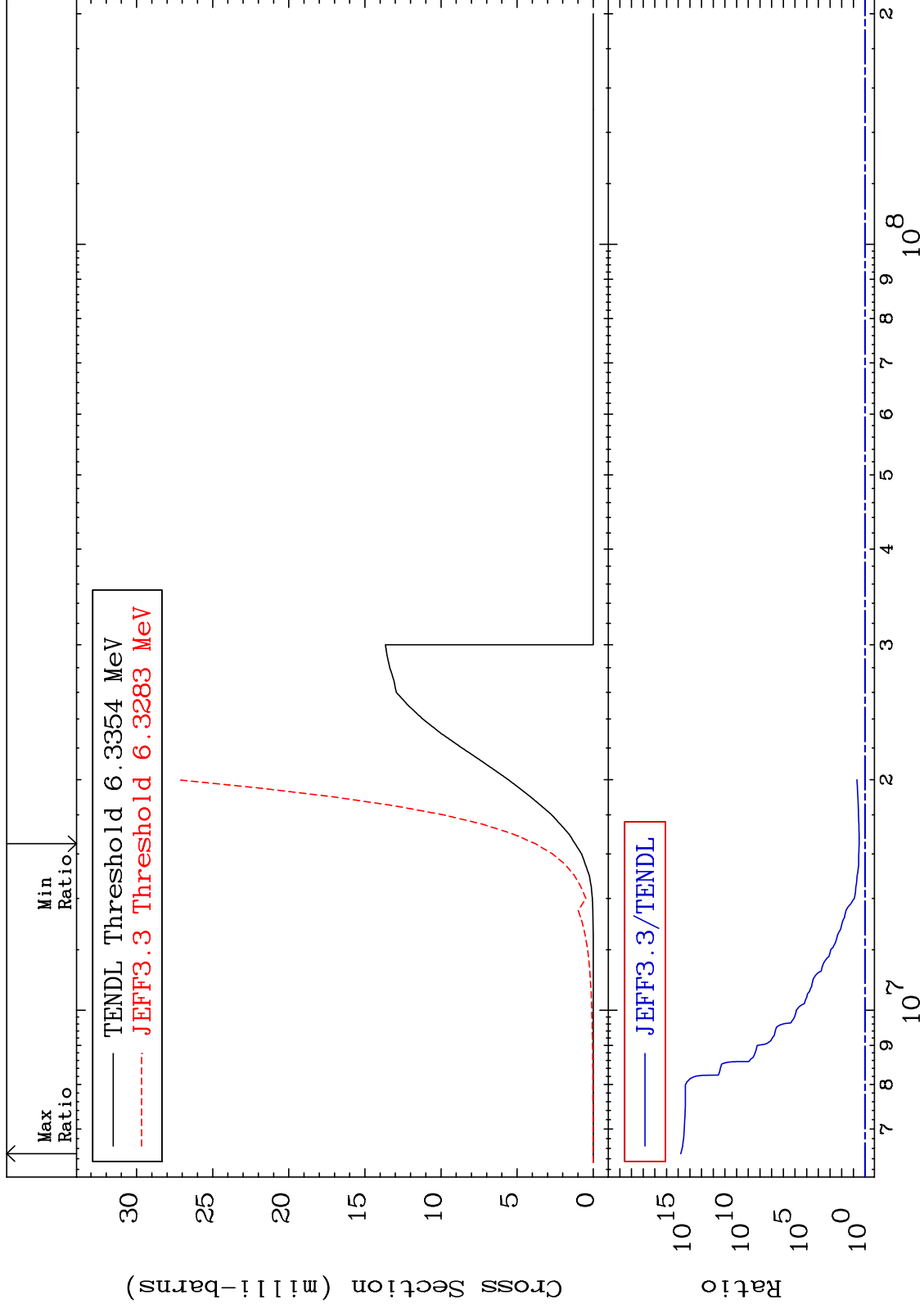
MAT 6443

(n, d)

64-Gd-158

Cross Section

220.0 To 9999. %



18

Incident Energy (eV)

64-Gd-158

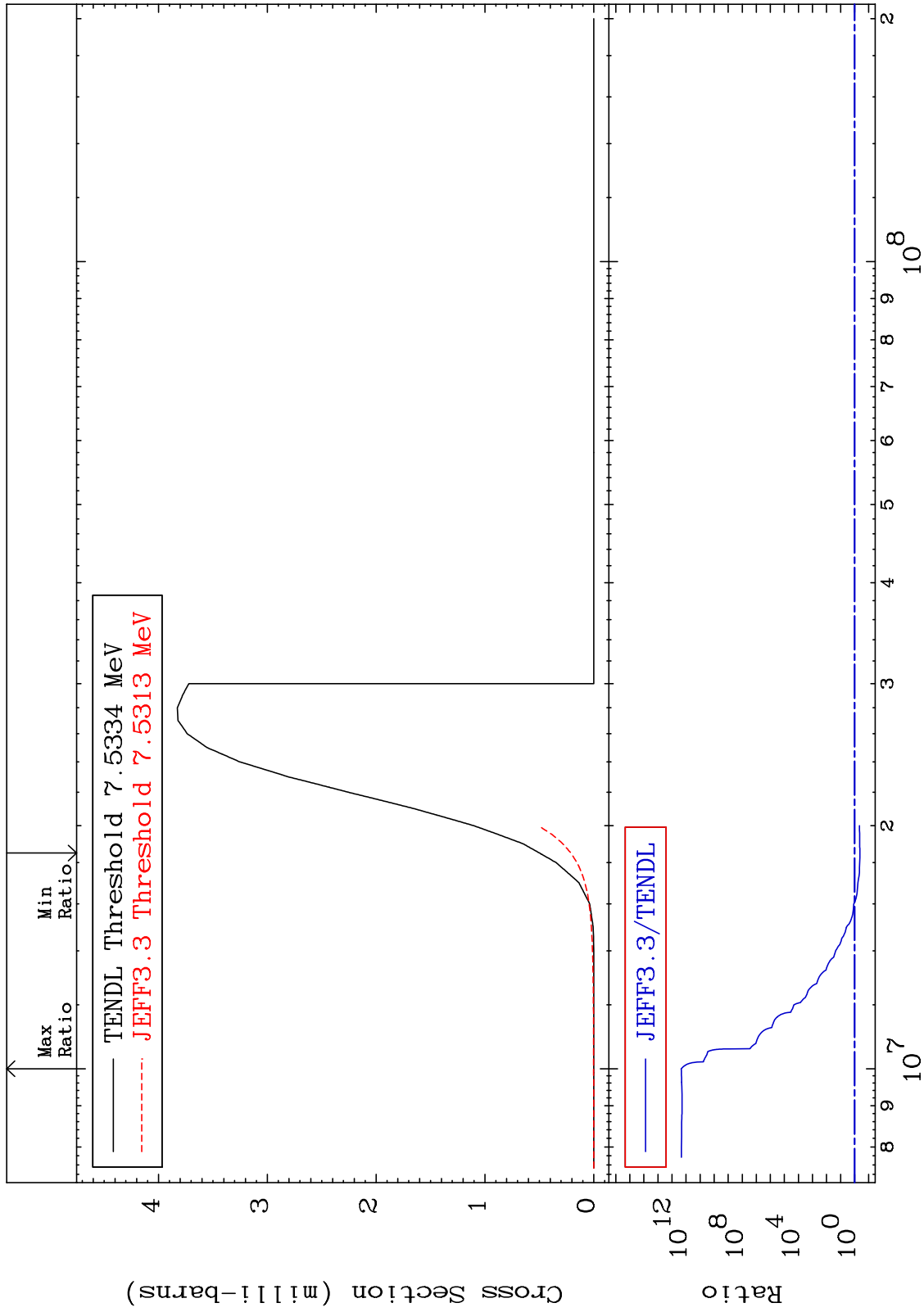
MAT 6443

(n, t)

64-Gd-158

Cross Section

-57.94 To 9999. %



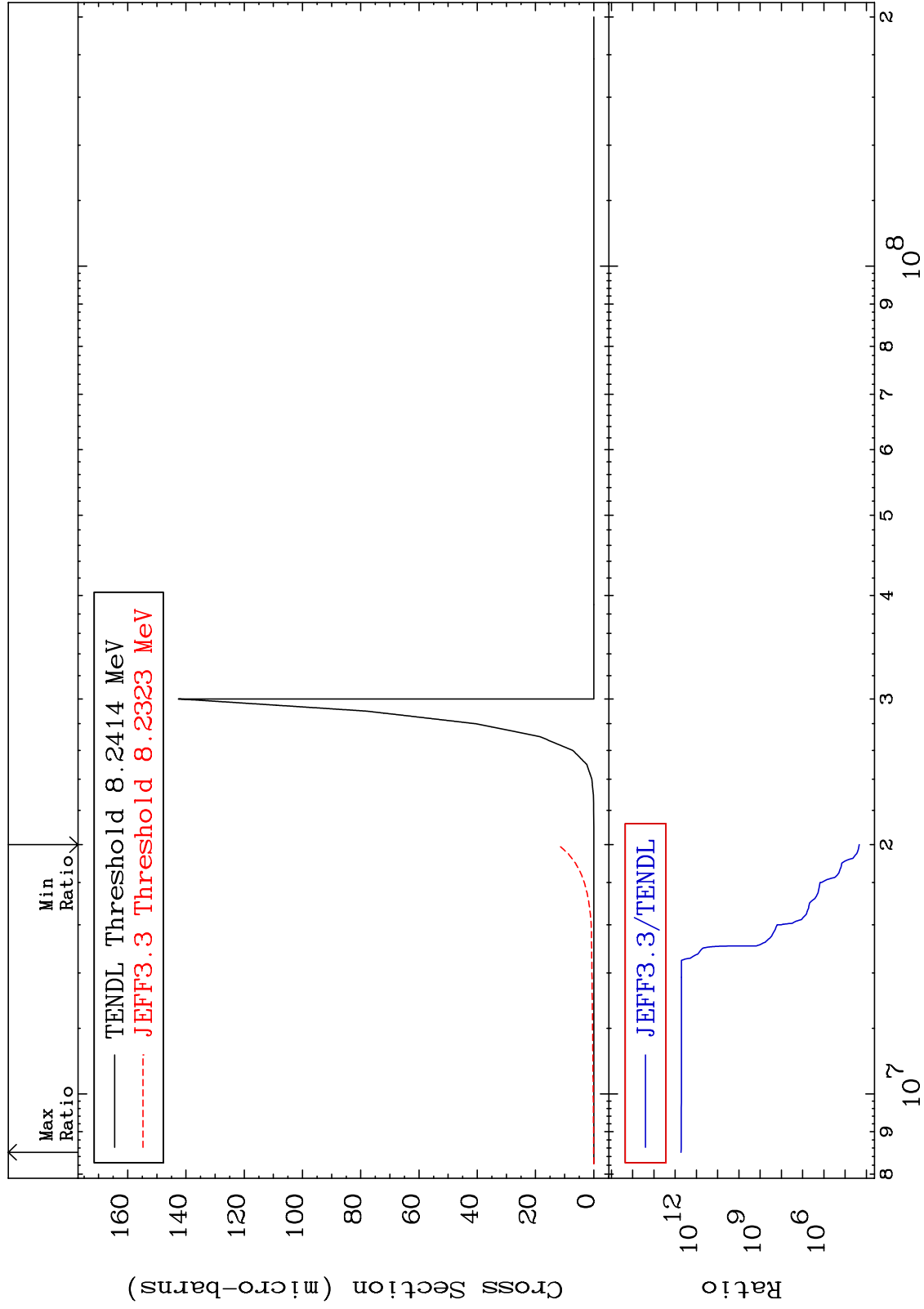
MAT 6443

(n, He-3)

64-Gd-158

Cross Section

9999. To 9999. %



20

Incident Energy (eV)

64-Gd-158

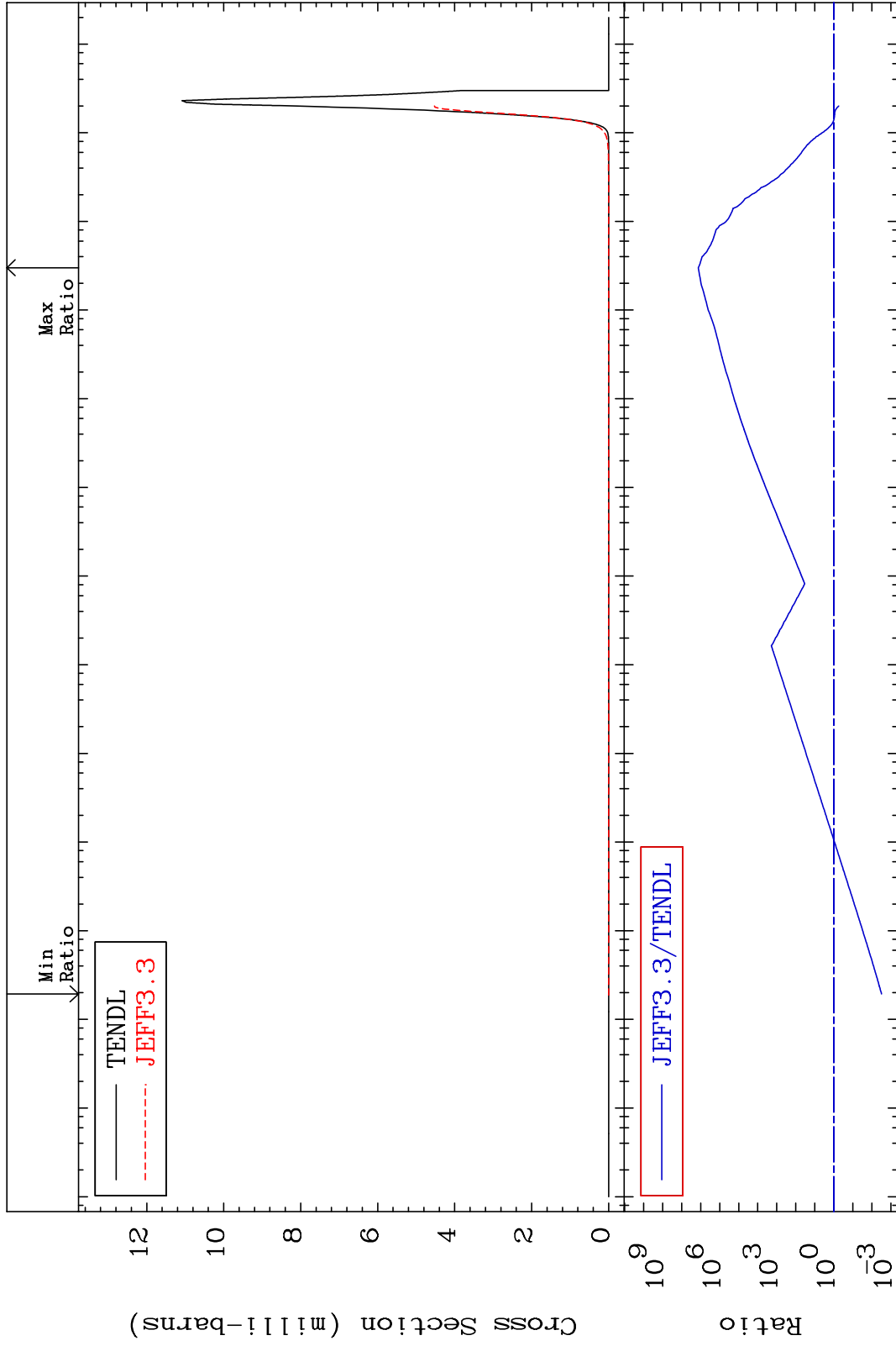
MAT 6443

(n,  $\alpha$ )

64-Gd-158

Cross Section

-99.69 To 9999. %



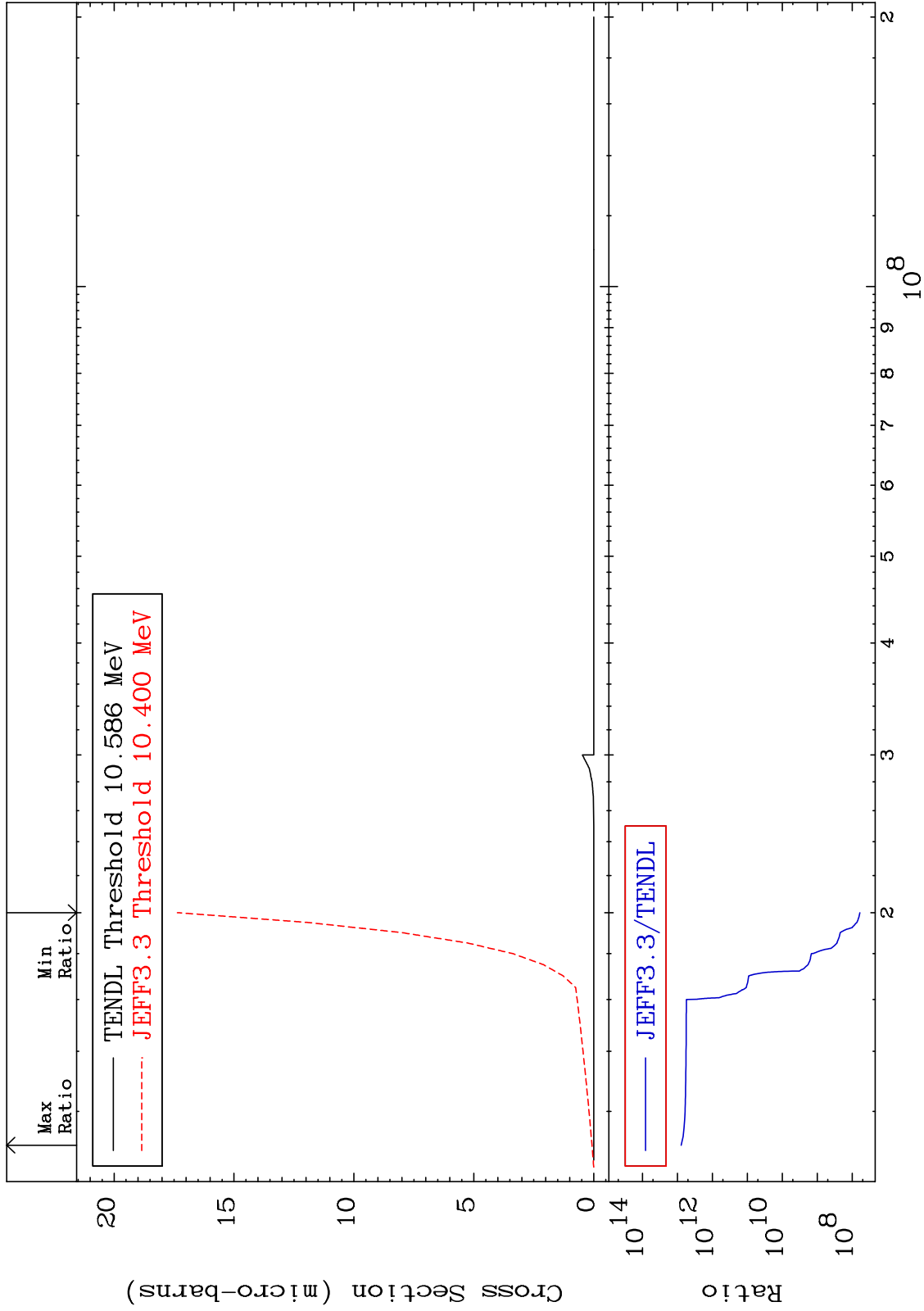
MAT 6443

(n,2p)

64-Gd-158

Cross Section

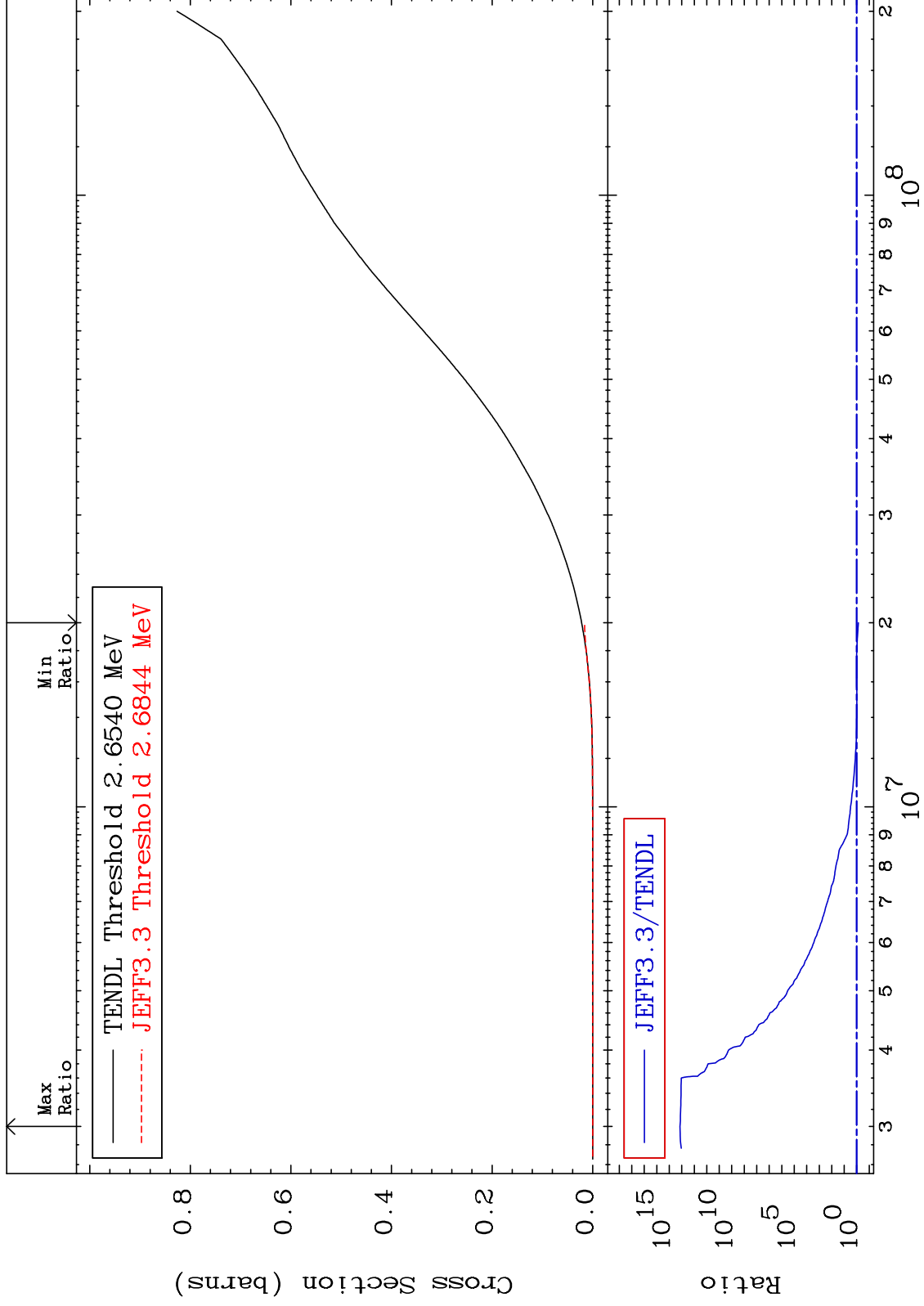
9999. To 9999. %



MAT 6443

Hydrogen Production  
Cross Section

64-Gd-158  
-26.67 To 9999. %

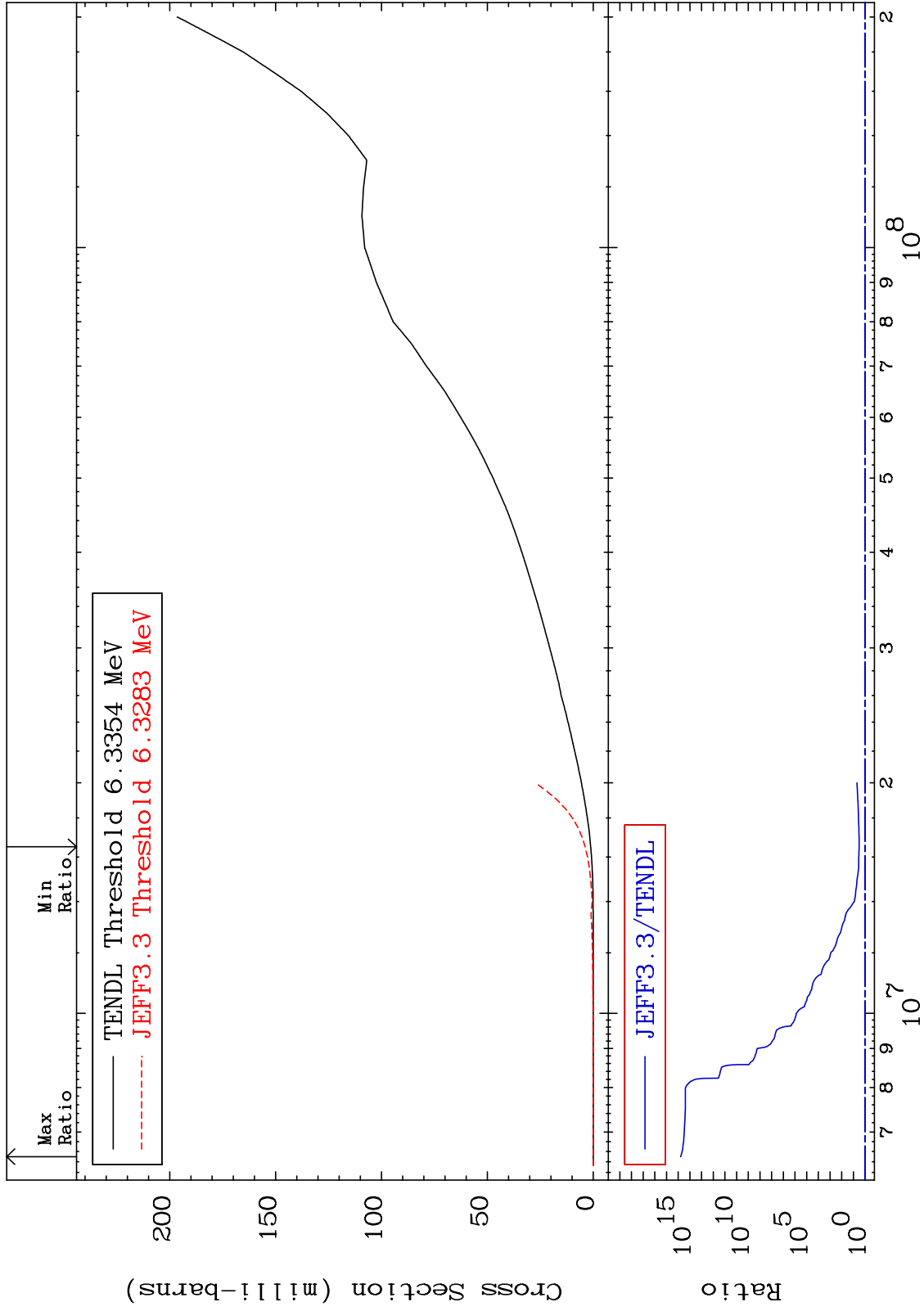




MAT 6443

Deuterium Production  
Cross Section

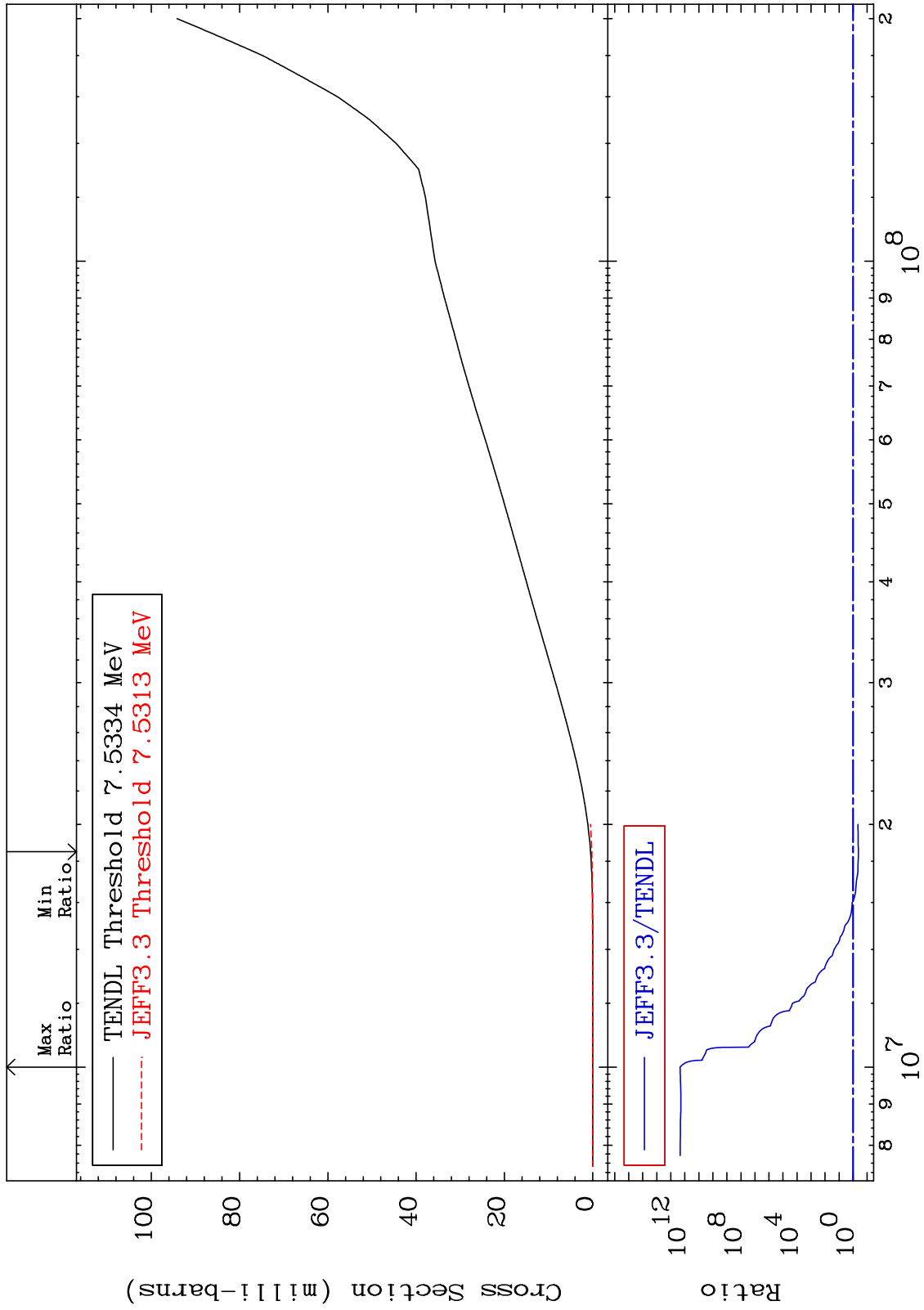
64-Gd-158  
220.0 To 9999. %



MAT 6443

Tritium Production  
Cross Section

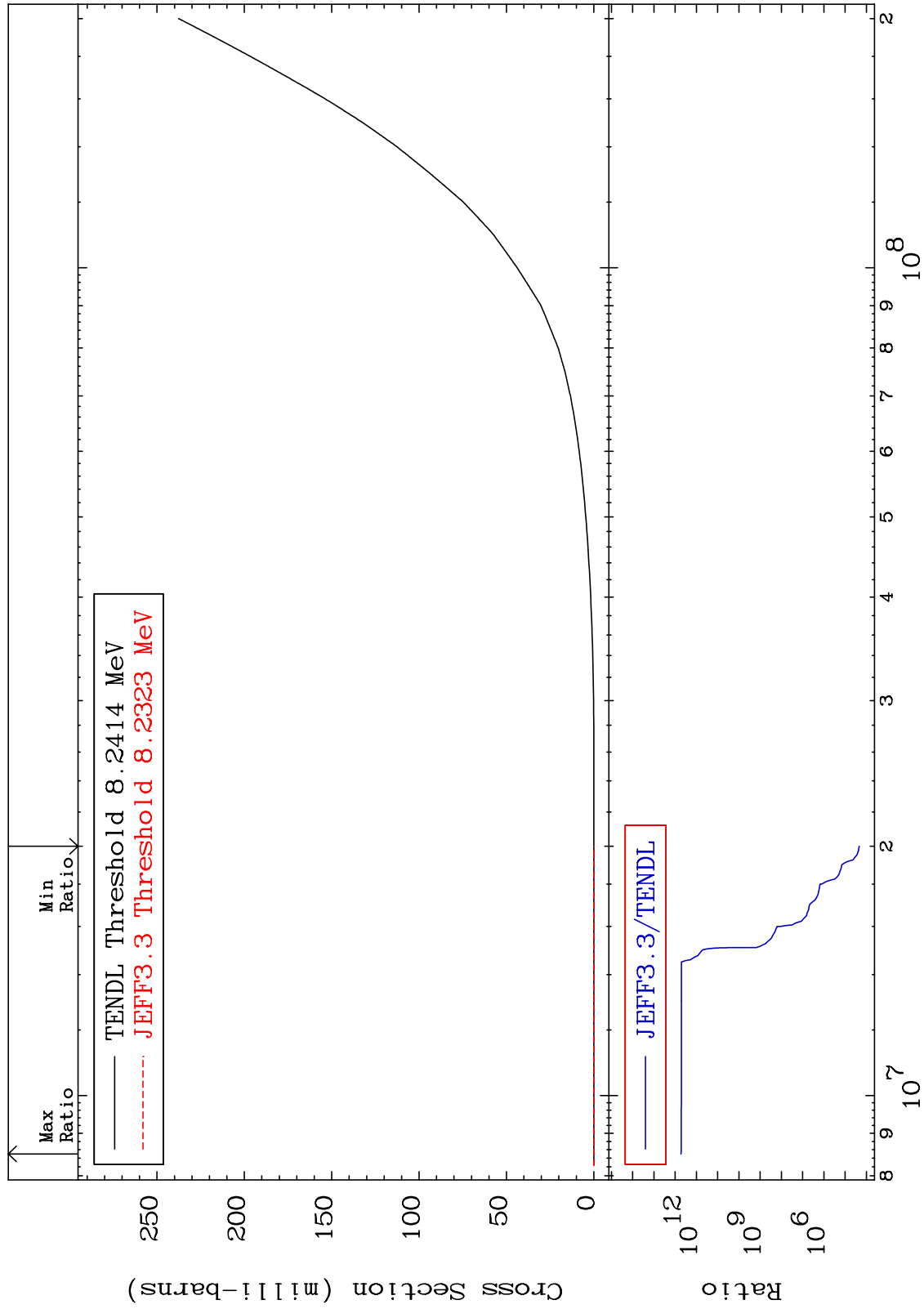
64-Gd-158  
-57.94 To 9999. %



MAT 6443

He-3 Production  
Cross Section

64-Gd-158  
9999. To 9999. %



26

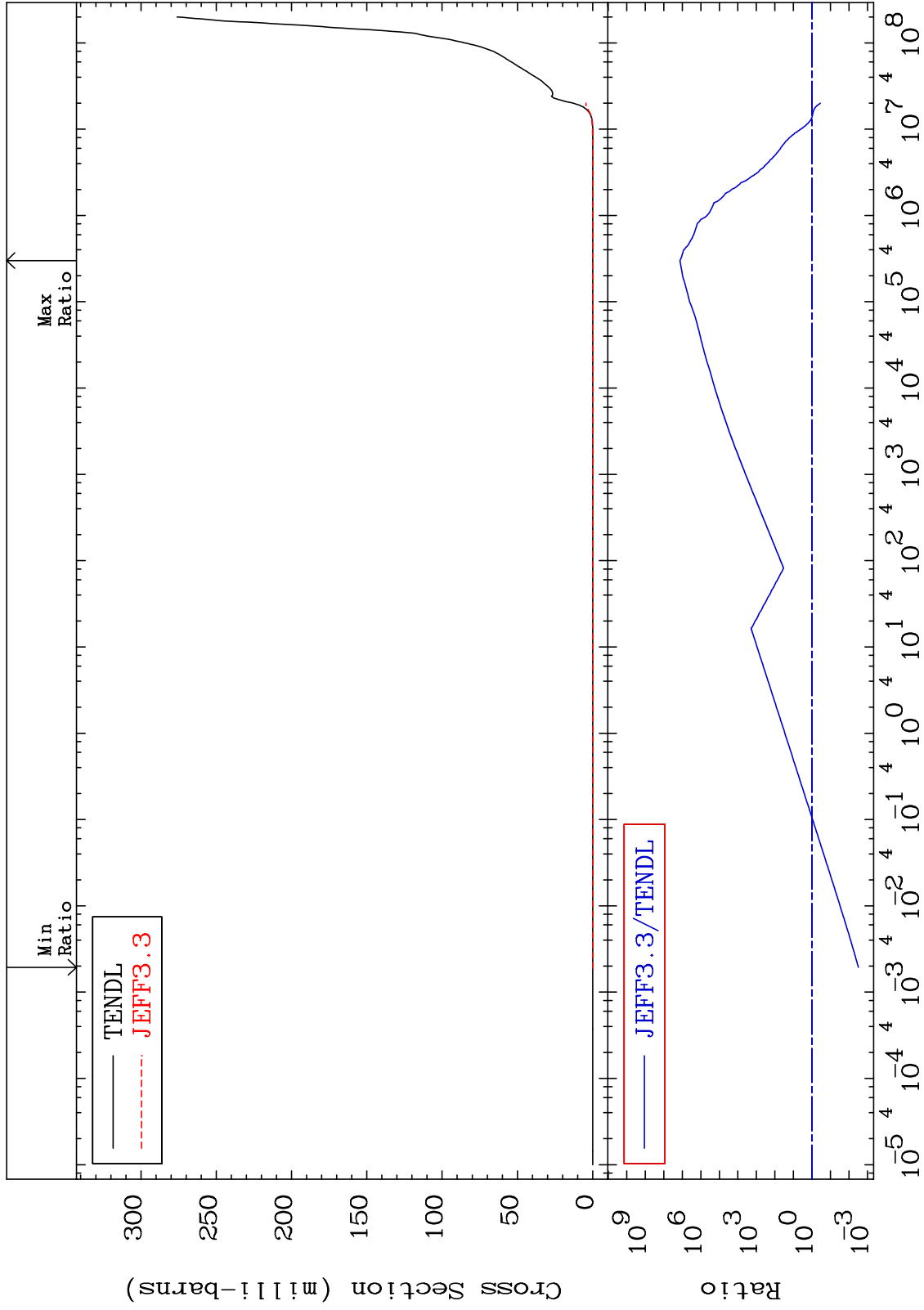
Incident Energy (eV)

64-Gd-158

MAT 6443

He-4 Production  
Cross Section

64-Gd-158  
-99.69 To 9999. %



27

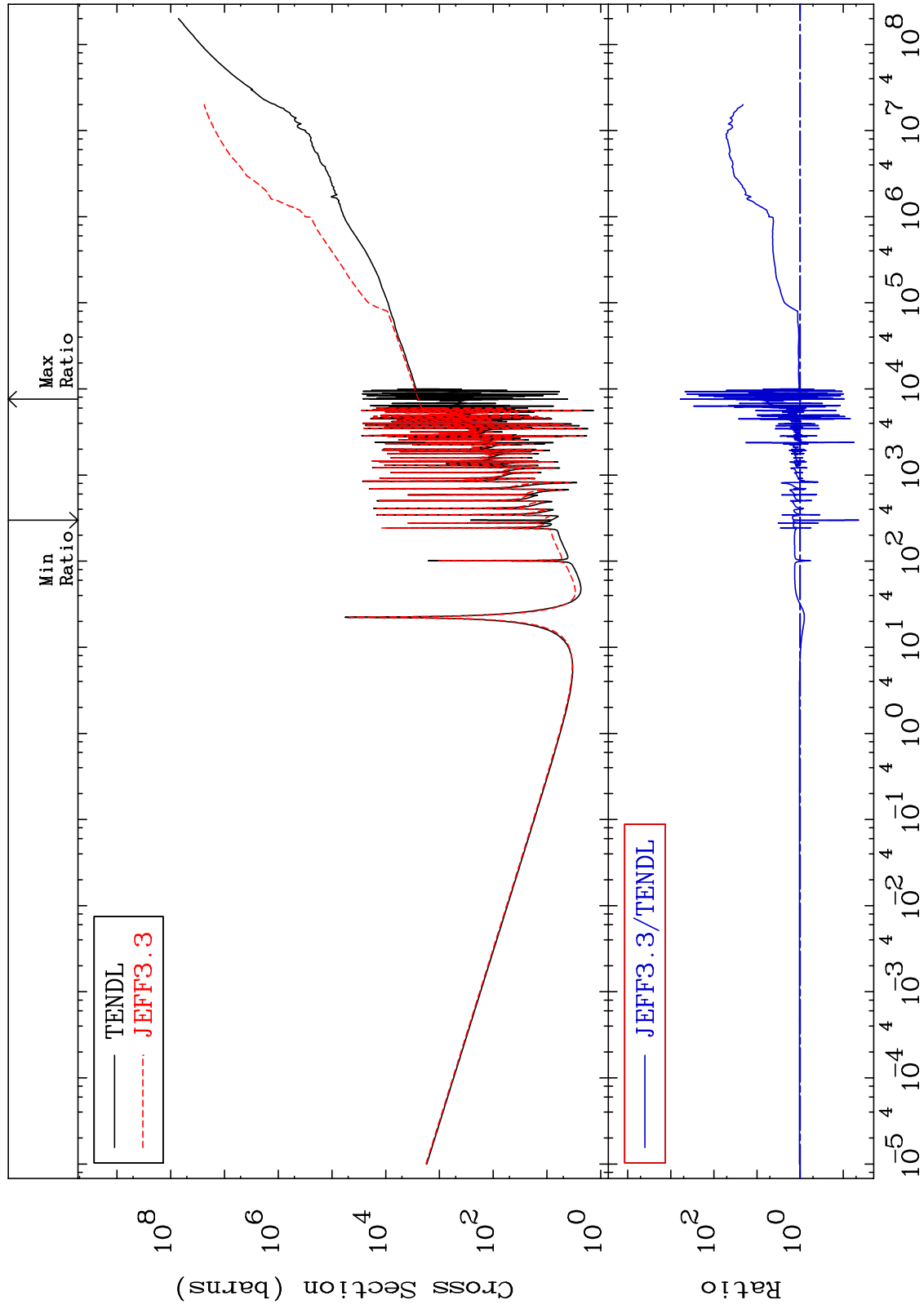
Incident Energy (eV)

64-Gd-158

MAT 6443

Kerma total (eV-barns)  
Cross Section

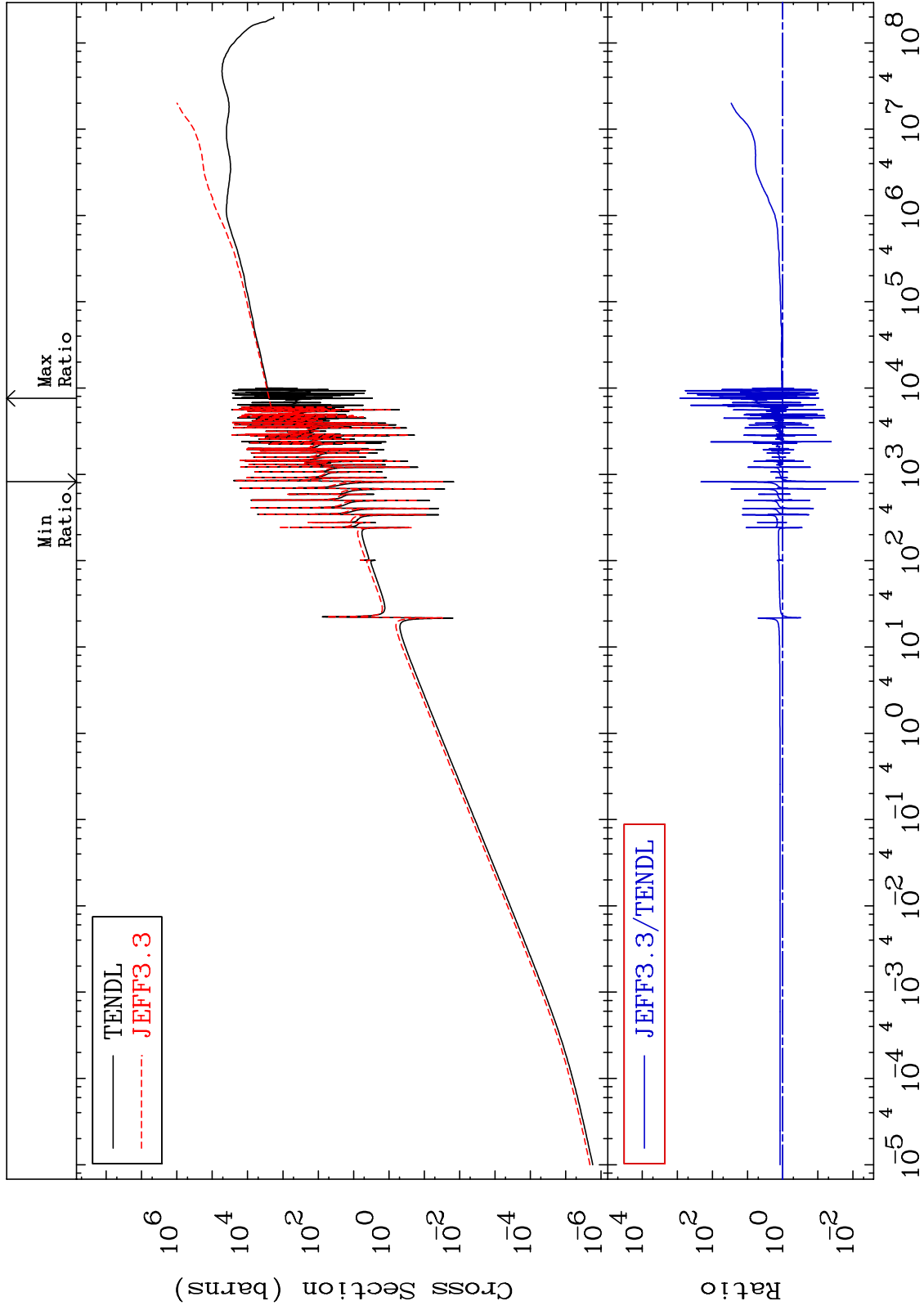
64-Gd-158  
-95.59 To 9999. %



MAT 6443

Kerma elastic  
Cross Section

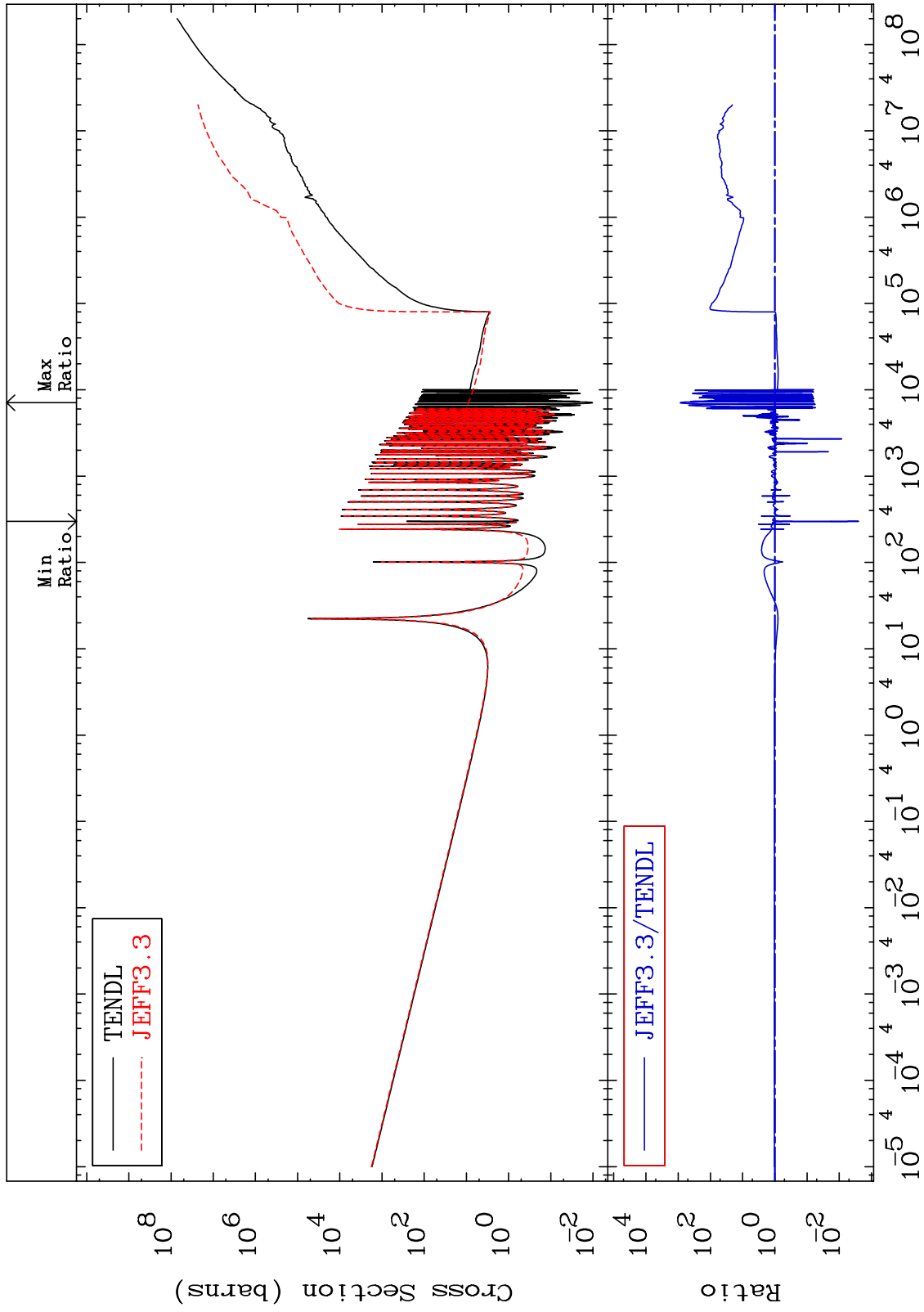
64-Gd-158  
-99.30 To 9999. %



MAT 6443

Kerma non-elastic (all but mt2)  
Cross Section

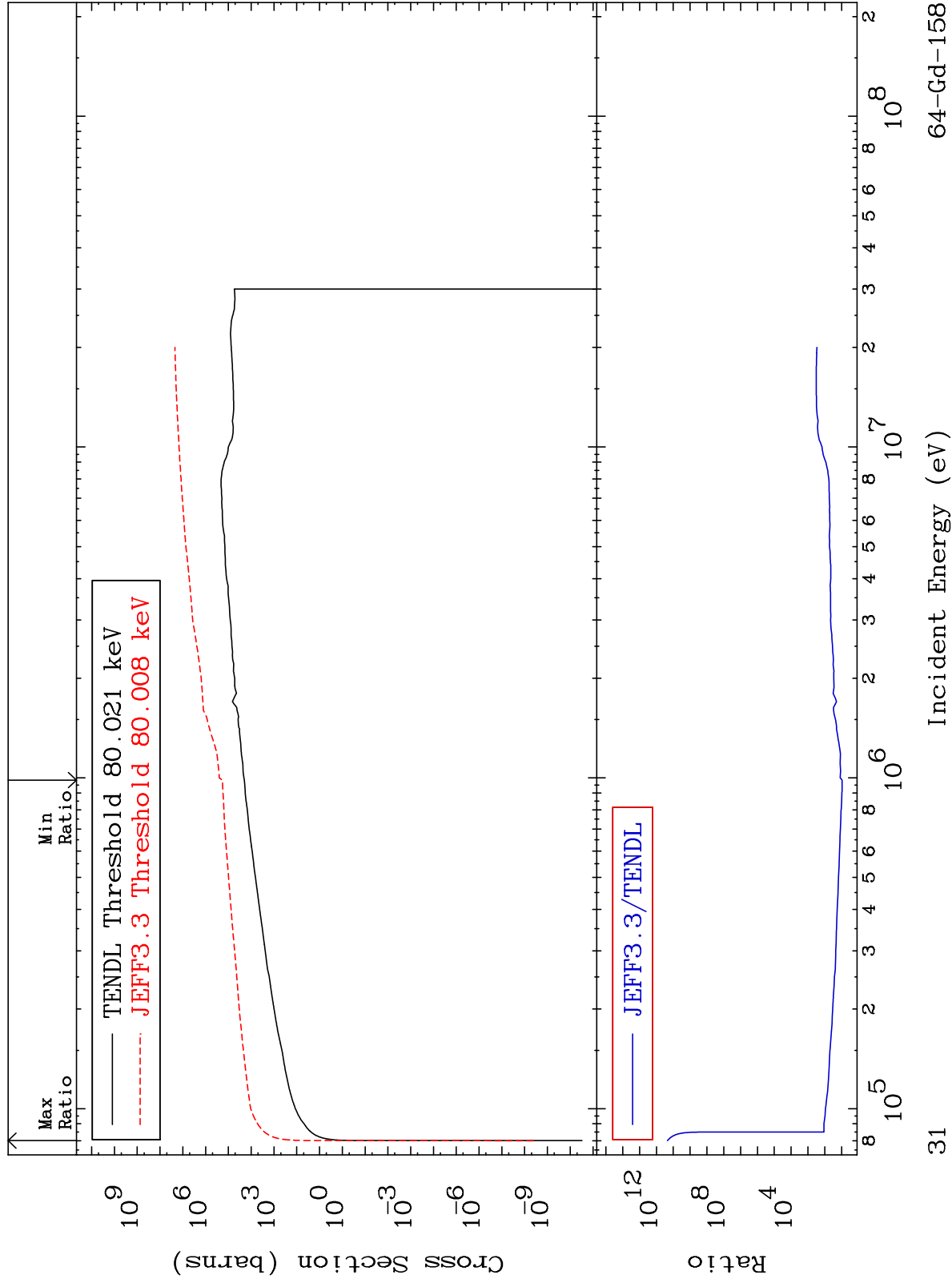
64-Gd-158  
-99.75 To 9999. %



MAT 6443

Kerma inelastic (mt51-91)  
Cross Section

64-Gd-158  
825.4 To 9999. %

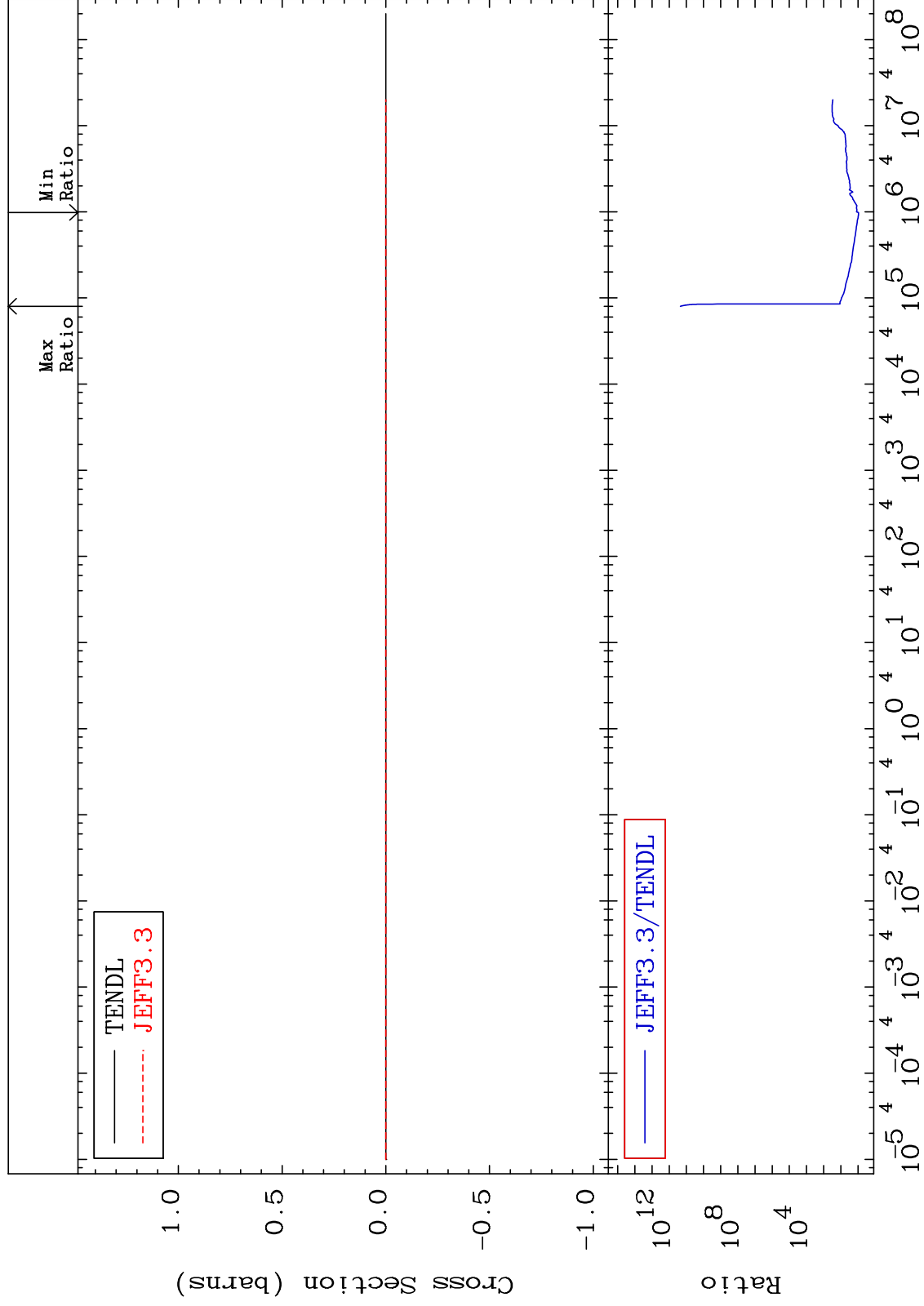




MAT 6443

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

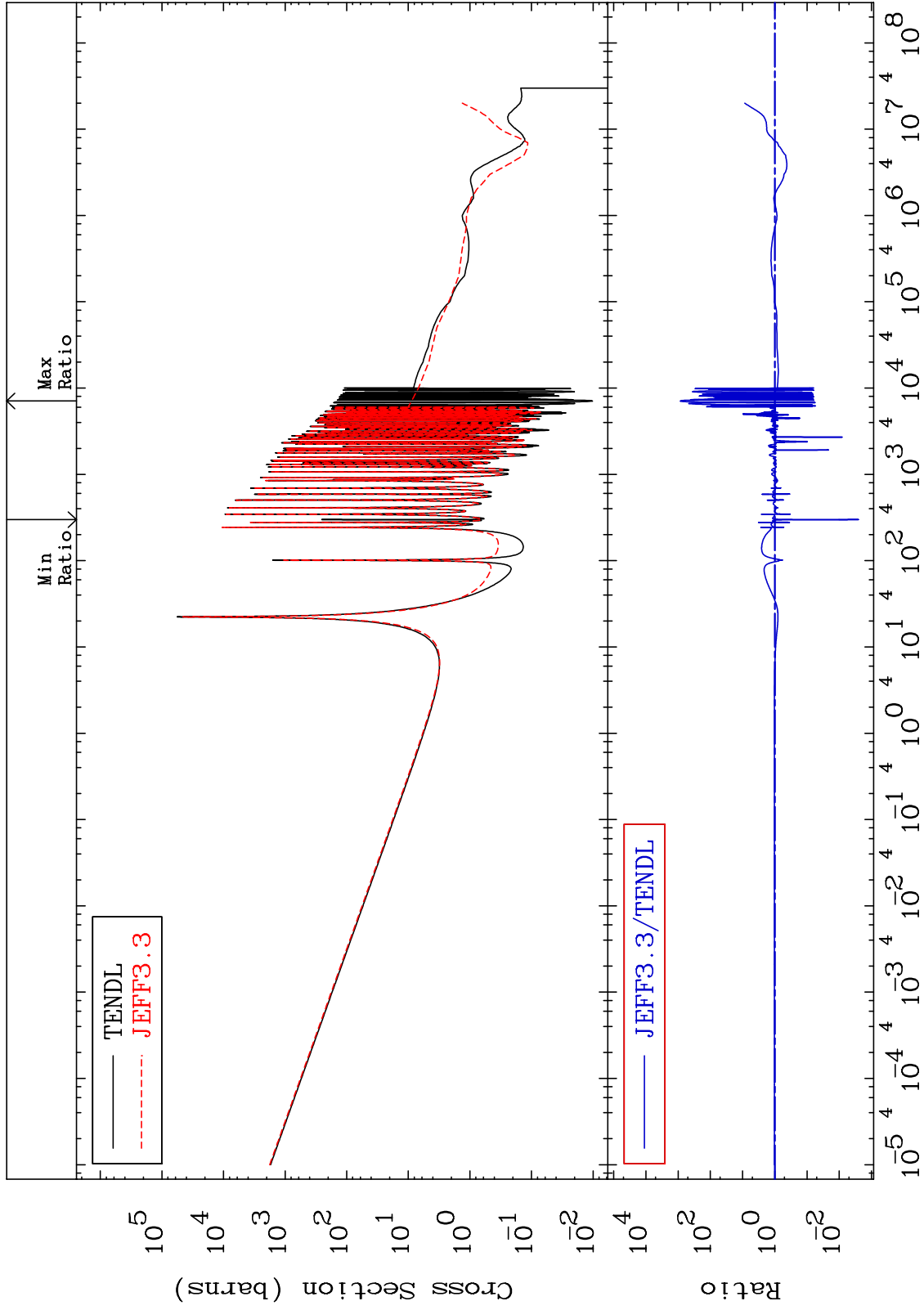
64-Gd-158  
825.4 To 9999. %



MAT 6443

Kerma capture (mt102)  
Cross Section

64-Gd-158  
-99.75 To 9999. %



33

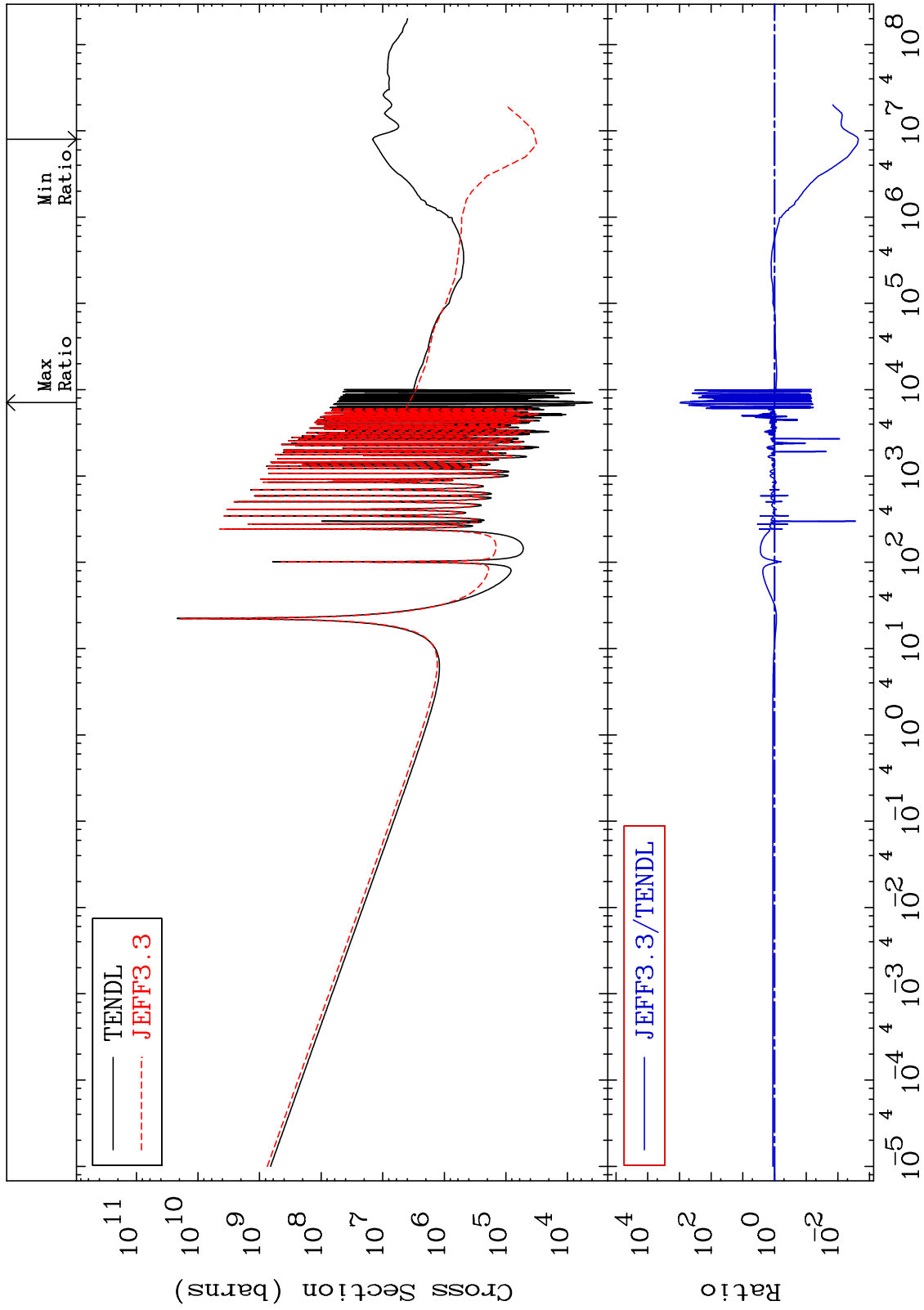
Incident Energy (eV)

64-Gd-158

MAT 6443

Total photon (eV-barns)  
Cross Section

64-Gd-158  
-99.77 To 9999. %



34

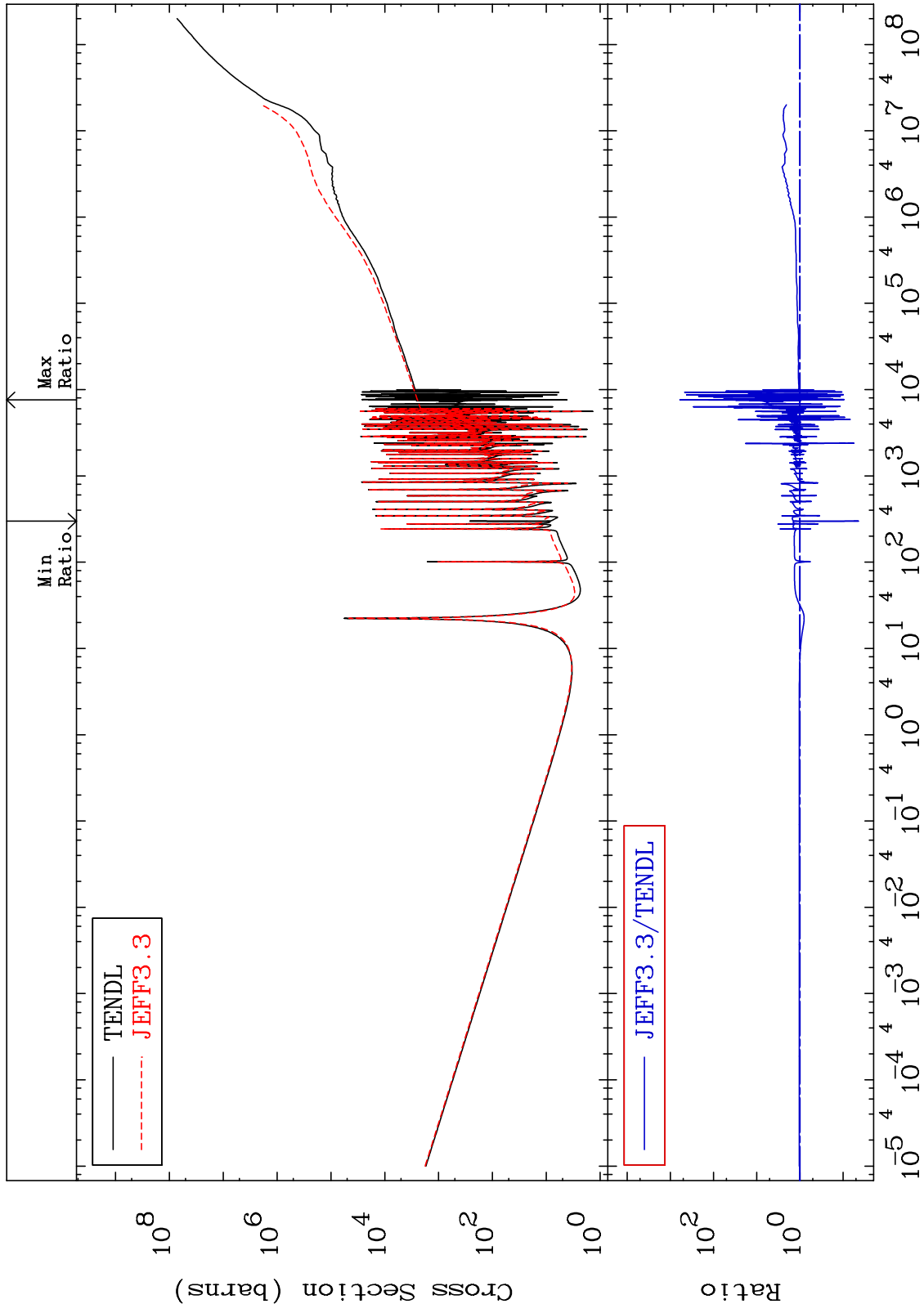
Incident Energy (eV)

64-Gd-158

MAT 6443

Total kinematic kerma (high limit)  
Cross Section

64-Gd-158  
-95.59 To 9999. %



35

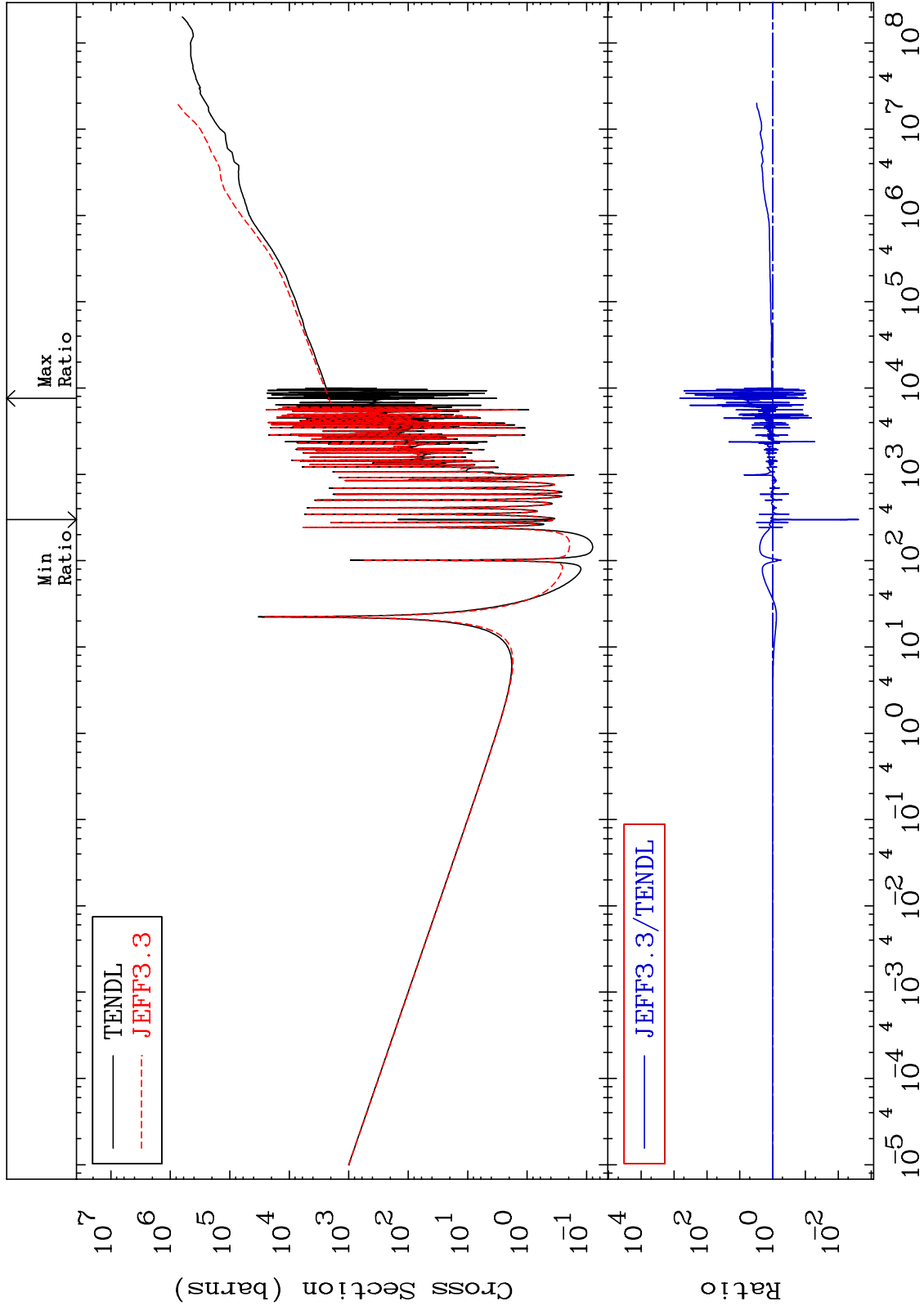
Incident Energy (eV)

64-Gd-158

MAT 6443

Dpa total (eV-barns)  
Cross Section

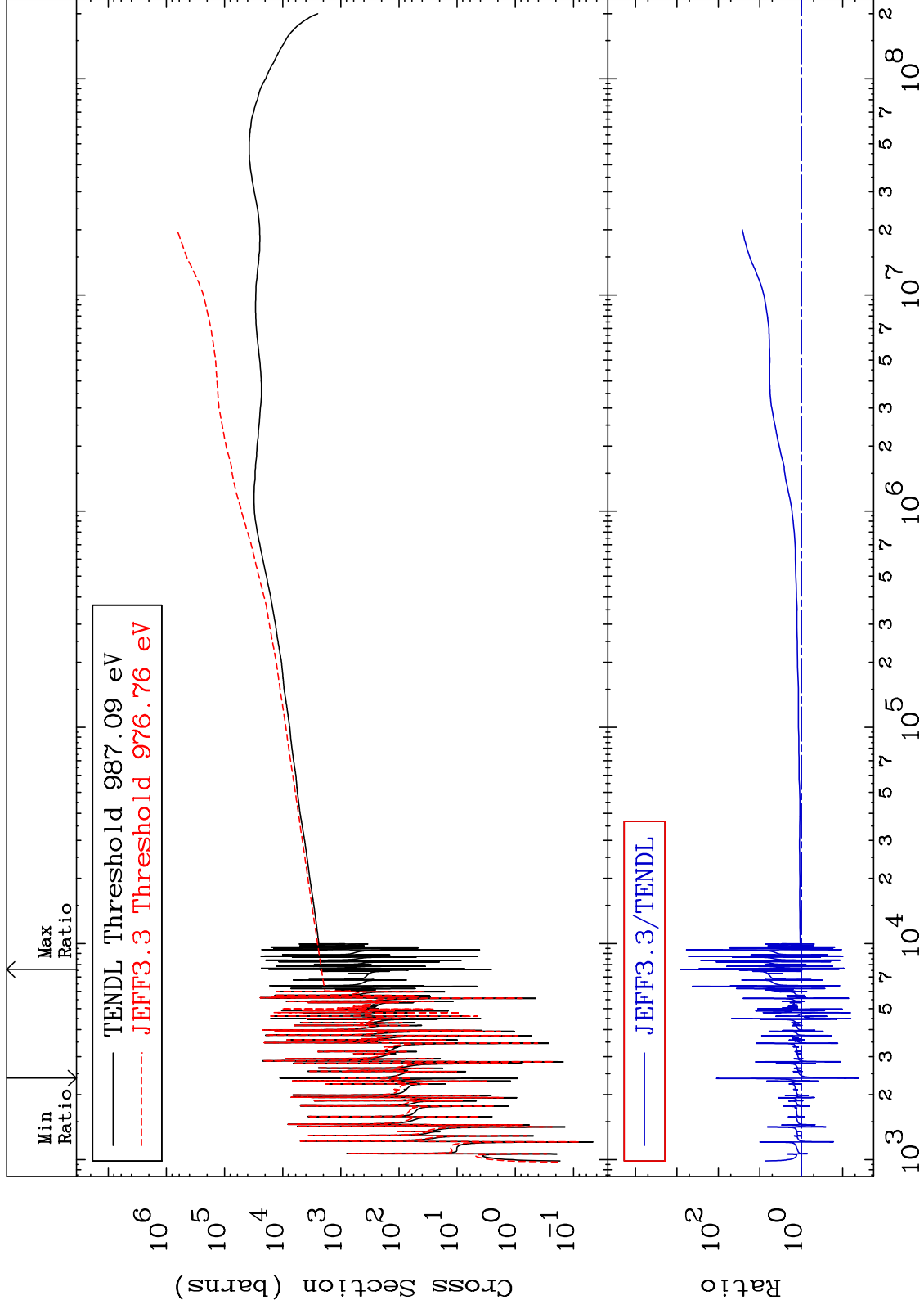
64-Gd-158  
-99.76 To 9999. %



MAT 6443

Dpa elastic (mt2)  
Cross Section

64-Gd-158  
-95.85 To 9999. %



37

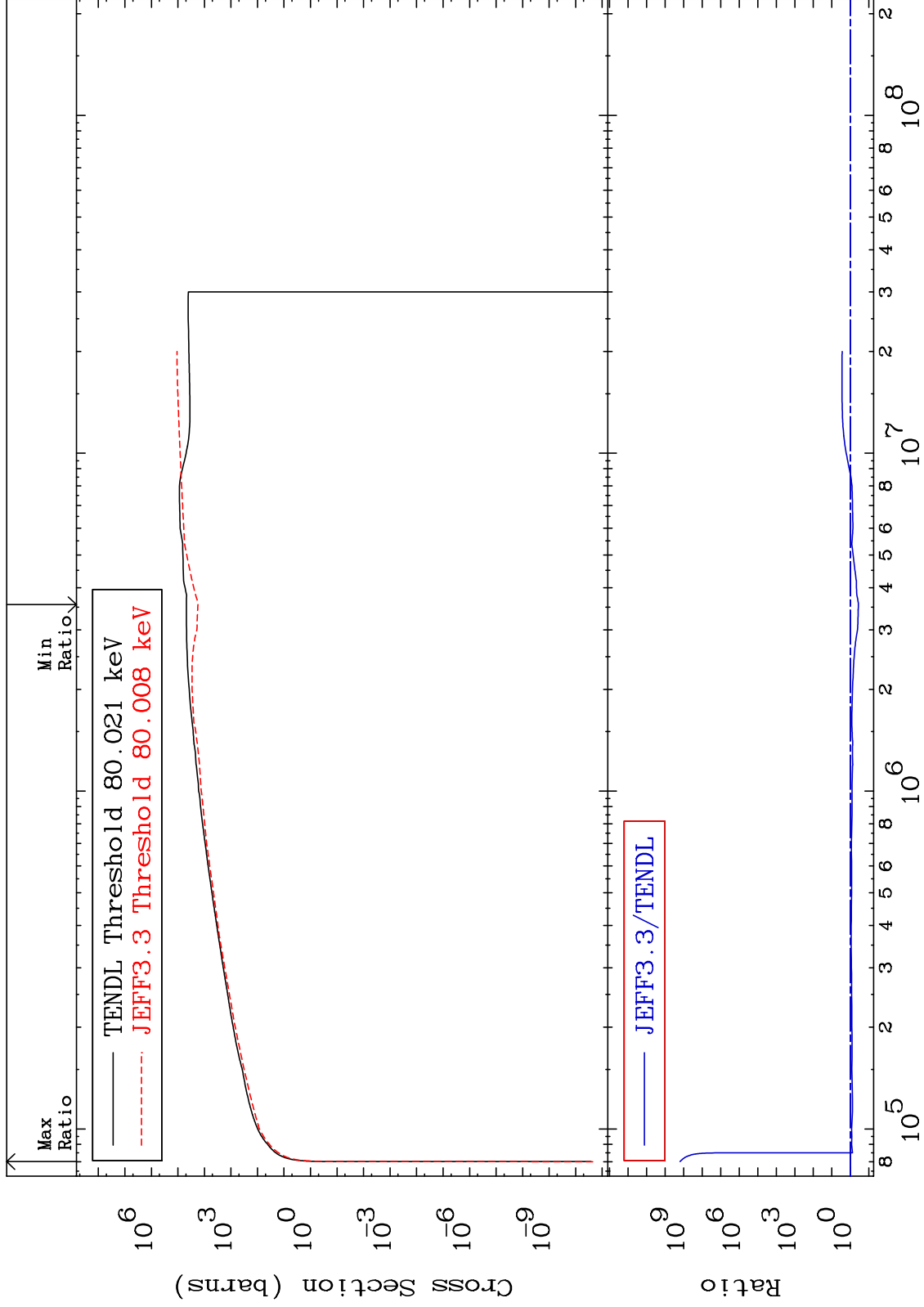
Incident Energy (eV)

64-Gd-158

MAT 6443

Dpa inelastic (mt51-91)  
Cross Section

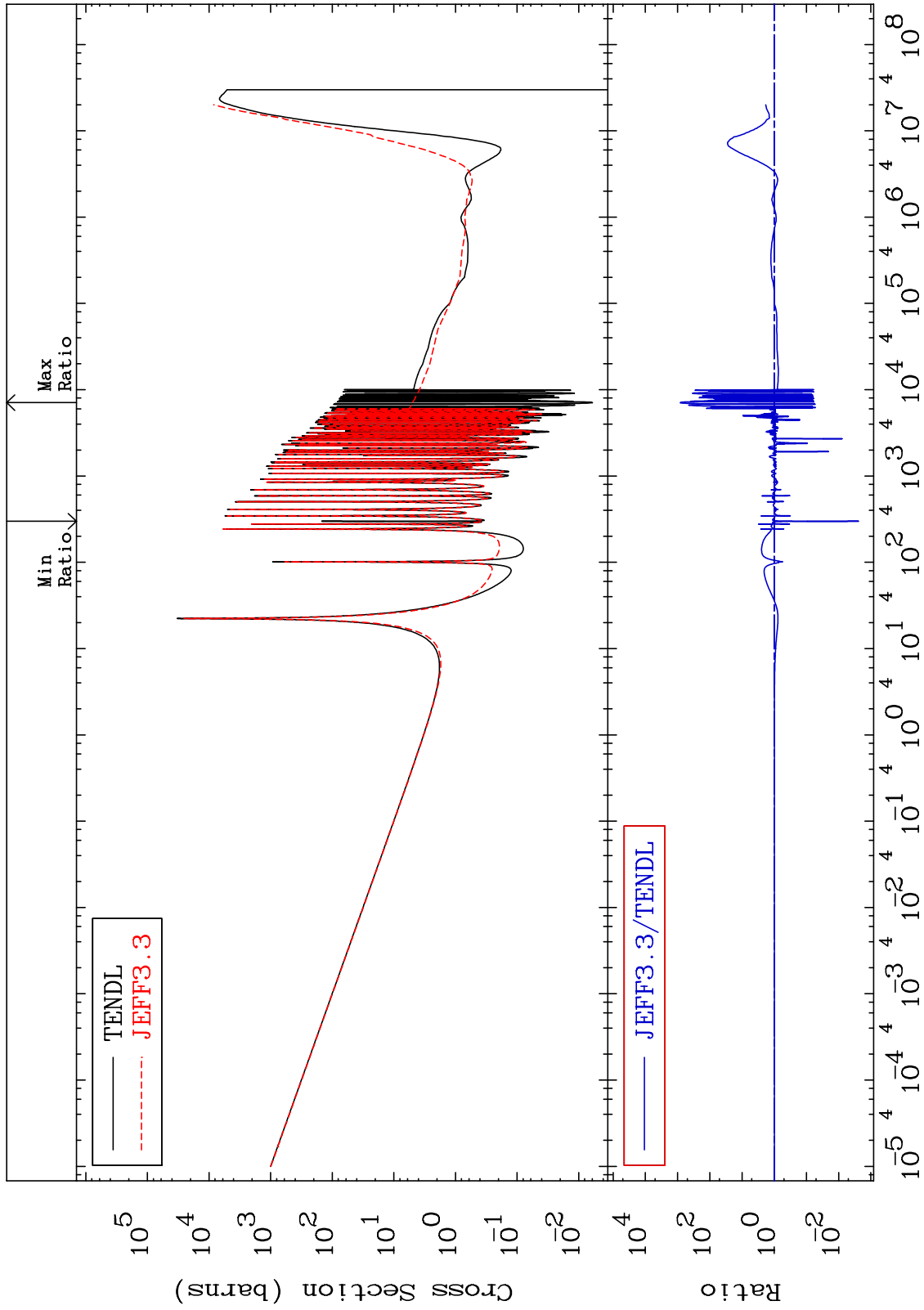
64-Gd-158  
-63.08 To 9999. %



MAT 6443

Dpa disappearance (mt102 -120)  
Cross Section

64-Gd-158  
-99.76 To 9999. %





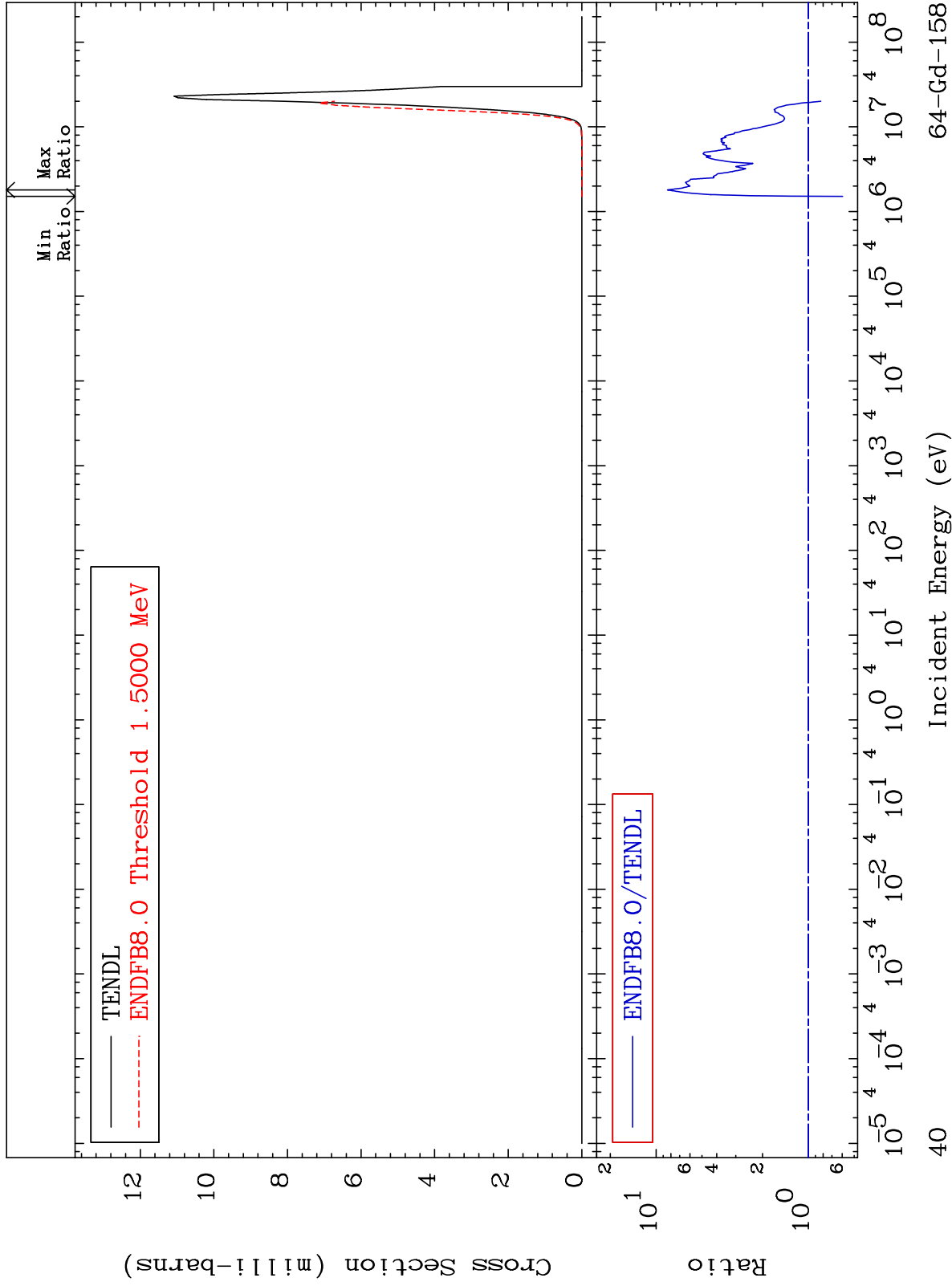
MAT 6443

(n,  $\alpha$ )

64-Gd-158

Cross Section

-40.41 To 741.7 %



64-Gd-158

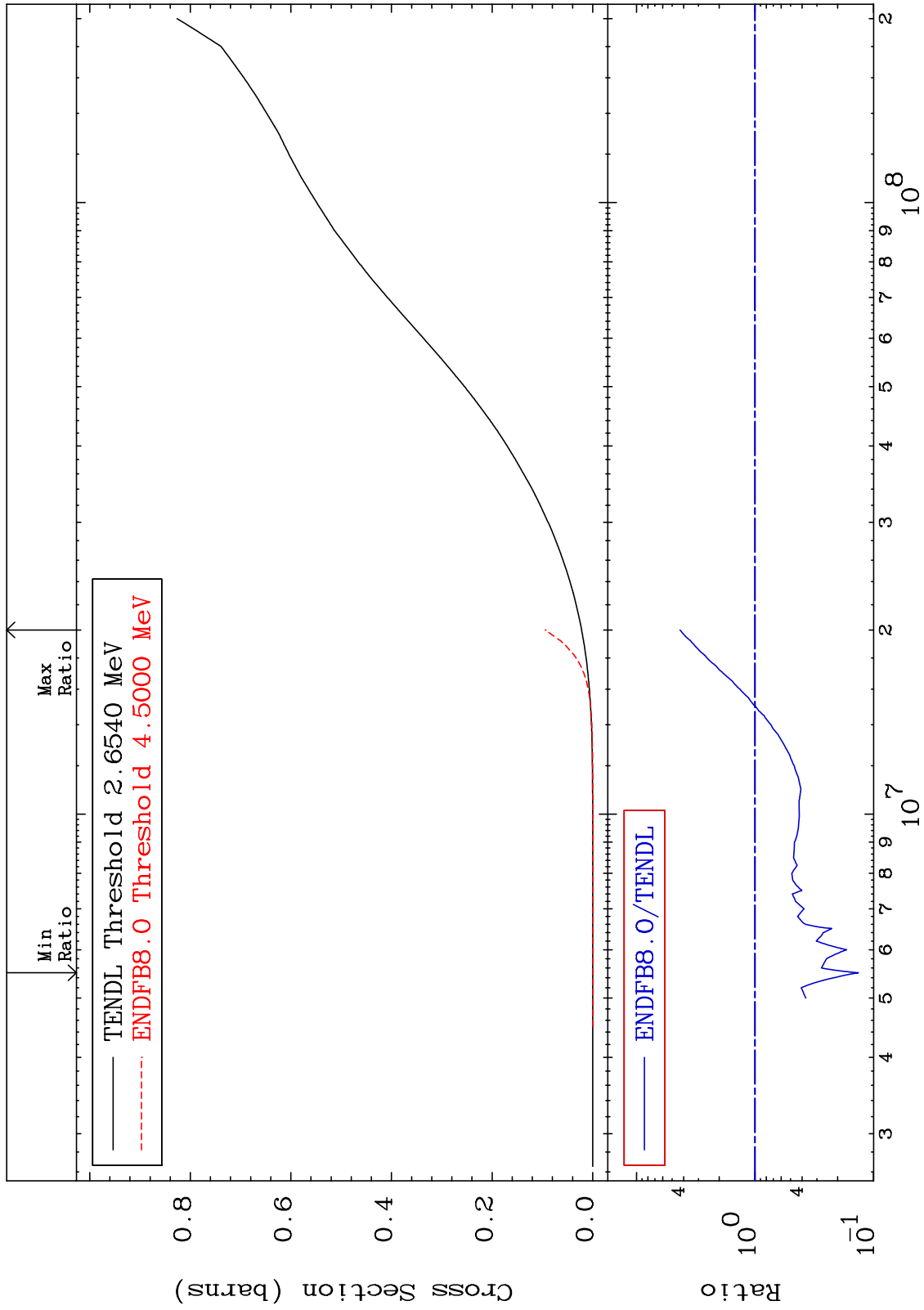
Incident Energy (eV)

40

MAT 6443

Hydrogen Production  
Cross Section

64-Gd-158  
-86.62 To 329.1 %



41

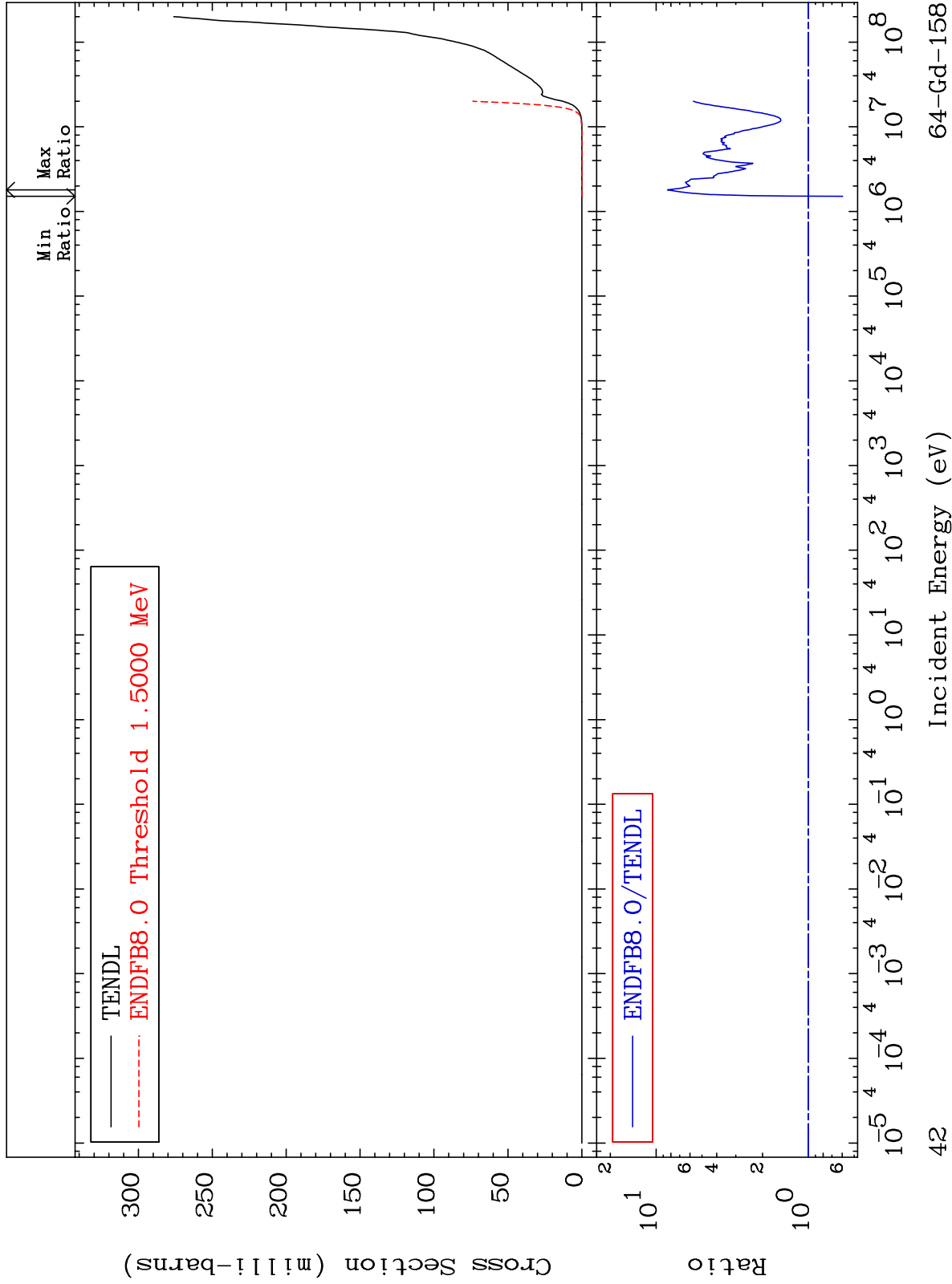
Incident Energy (eV)

64-Gd-158

MAT 6443

He-4 Production  
Cross Section

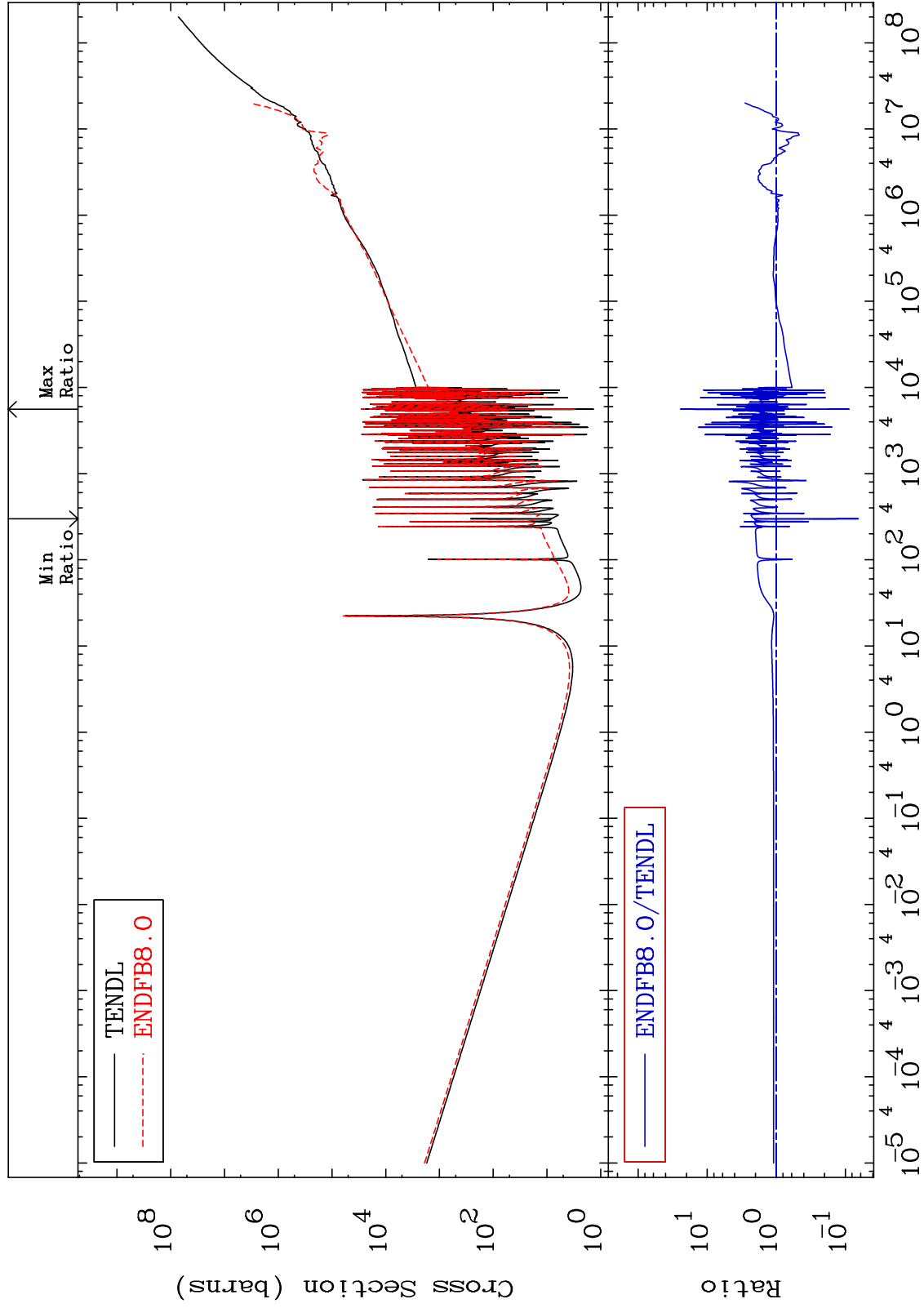
64-Gd-158  
-40.41 To 741.7 %



MAT 6443

Kerma total (eV-barns)  
Cross Section

64-Gd-158  
-93.56 To 2340. %



43

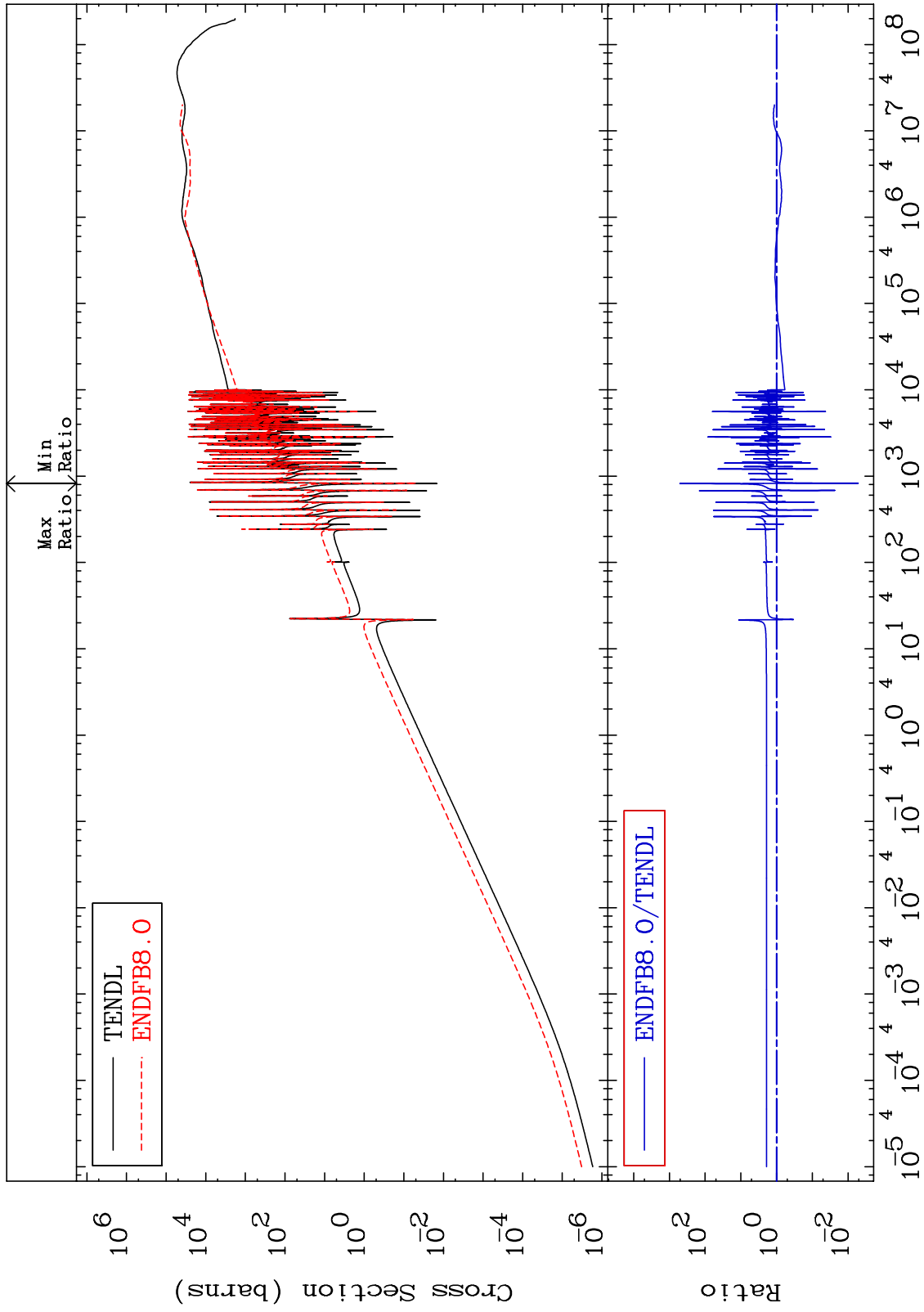
Incident Energy (eV)

64-Gd-158

MAT 6443

Kerma elastic  
Cross Section

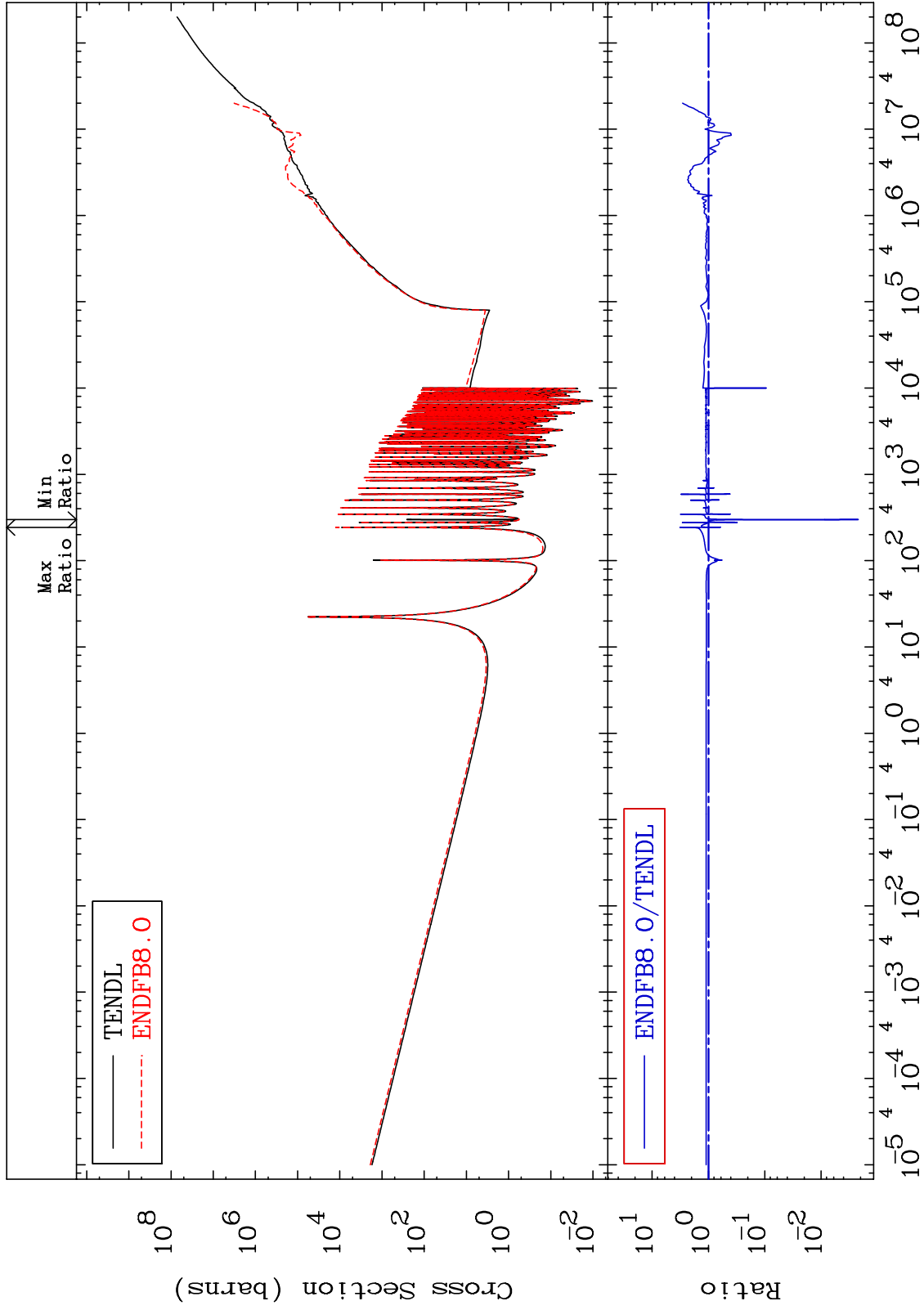
64-Gd-158  
-99.49 To 9999. %



MAT 6443

Kerma non-elastic (all but mt2)  
Cross Section

64-Gd-158  
-99.78 To 219.2 %



45

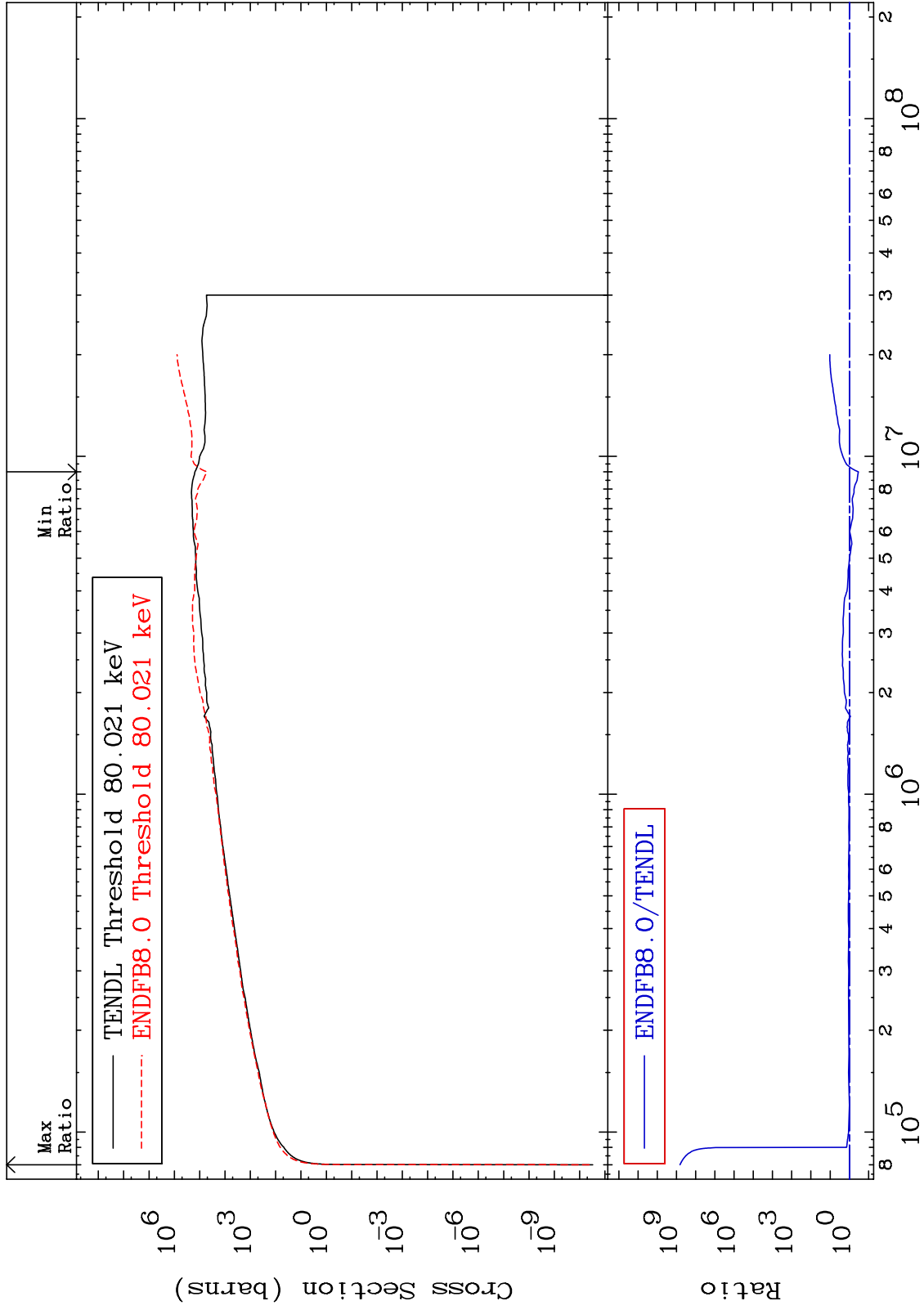
Incident Energy (eV)

64-Gd-158

MAT 6443

Kerma inelastic (mt51-91)  
Cross Section

64-Gd-158  
-66.32 To 9999. %



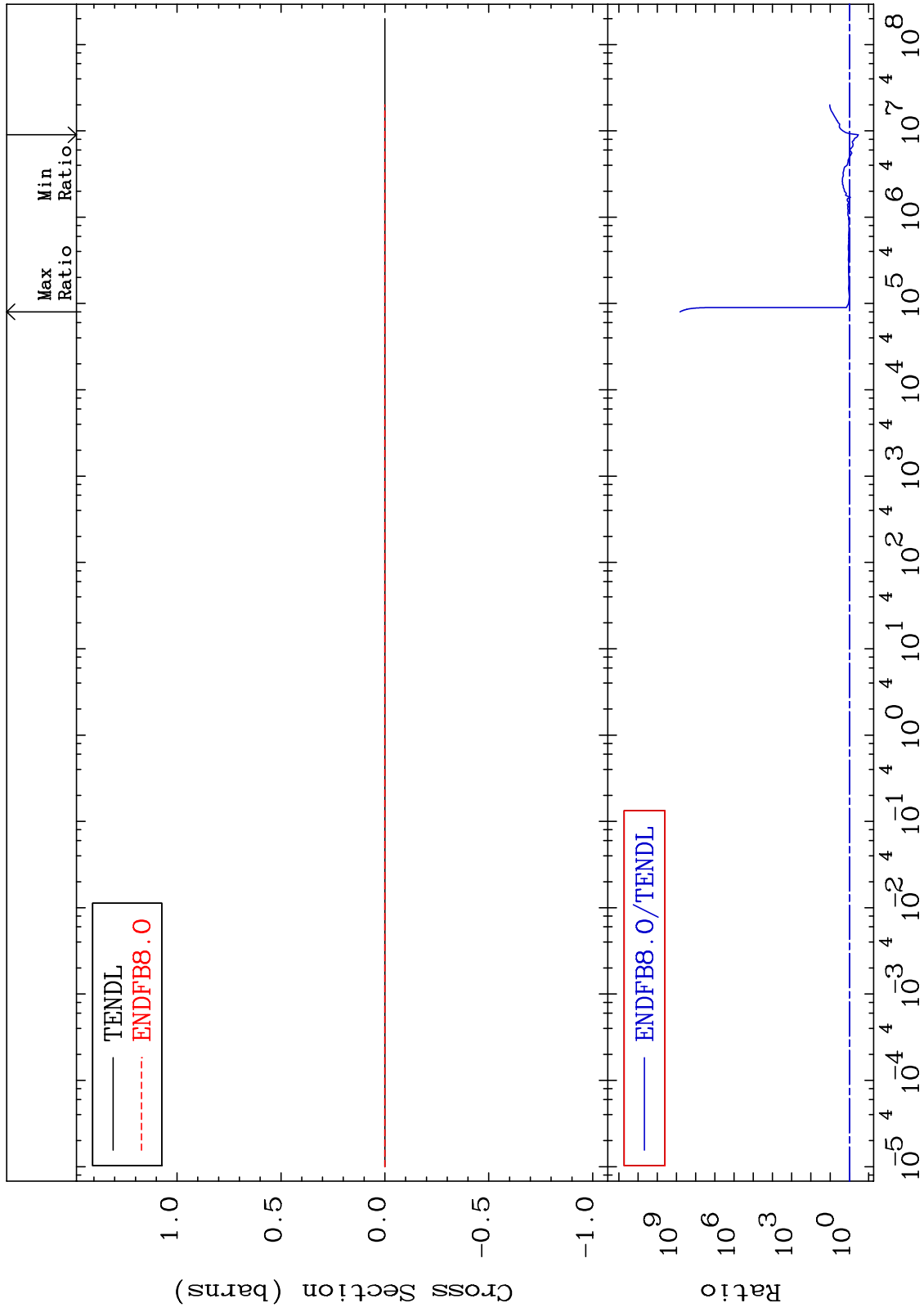
46

64-Gd-158

MAT 6443

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

64-Gd-158  
-66.32 To 9999. %



47

Incident Energy (eV)

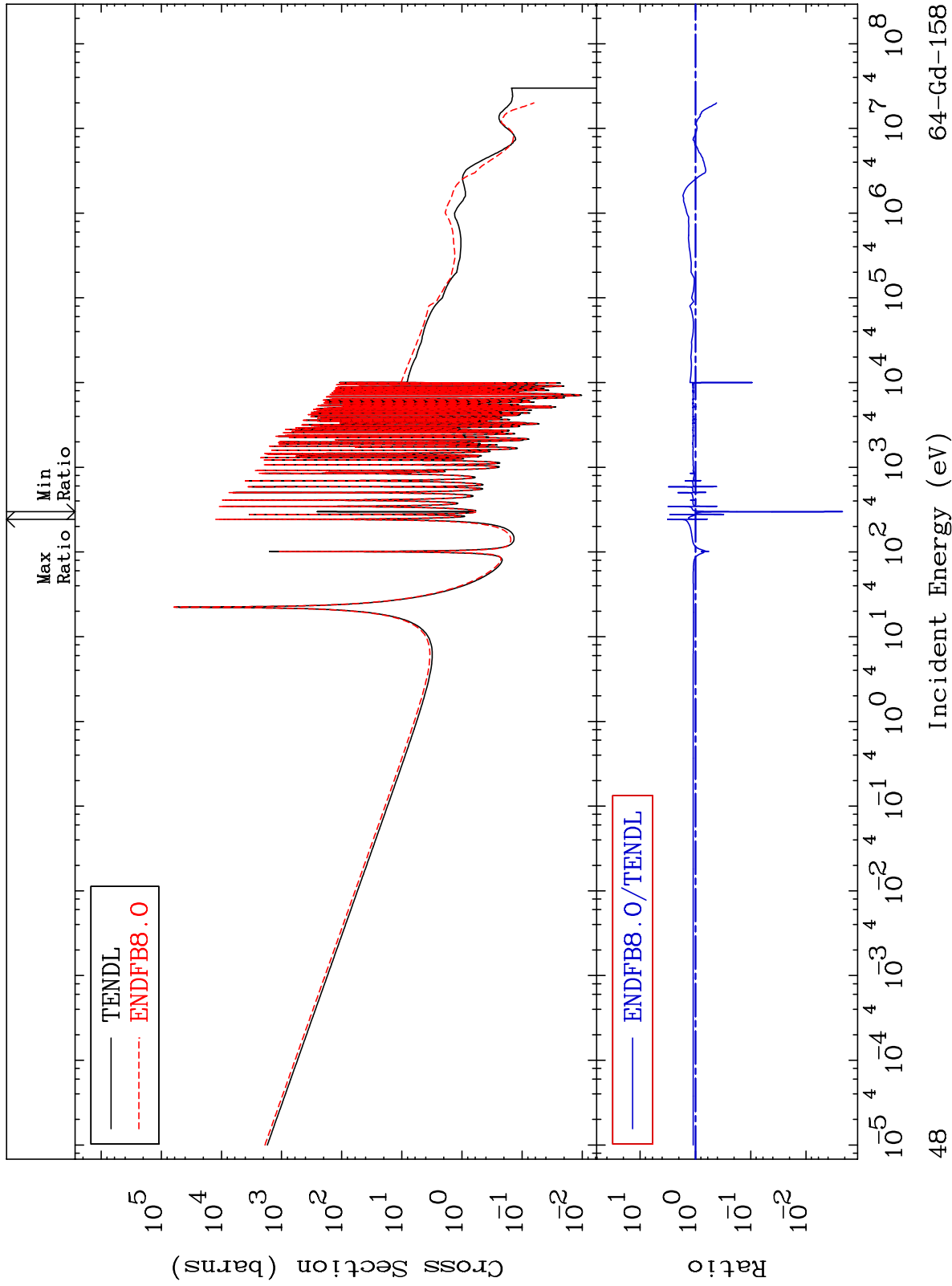
64-Gd-158



MAT 6443

Kerma capture (mt102)  
Cross Section

64-Gd-158  
-99.78 To 219.2 %

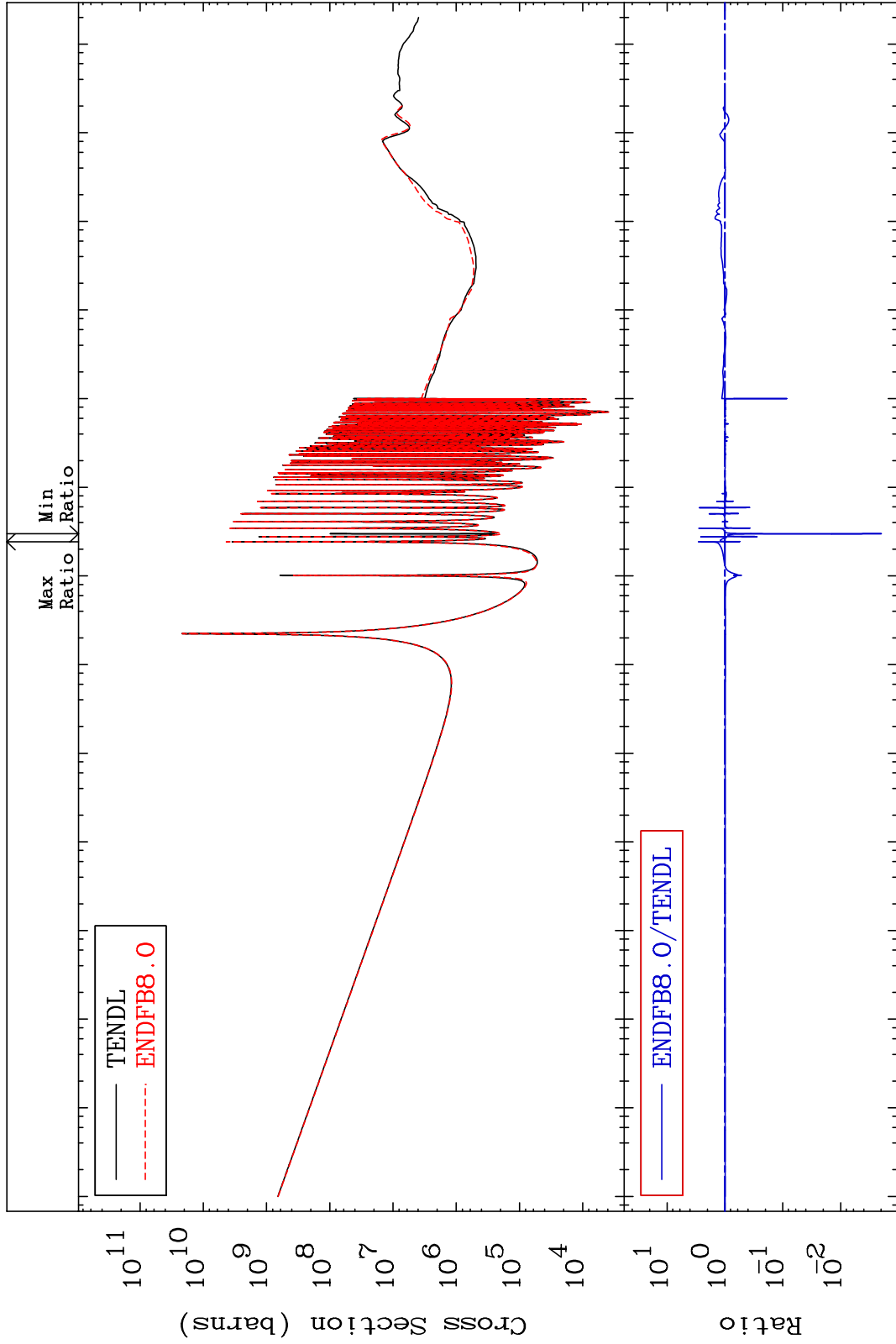


MAT 6443

Total photon (eV-barns)  
Cross Section

64-Gd-158

-99.80 To 188.1 %



Ratio

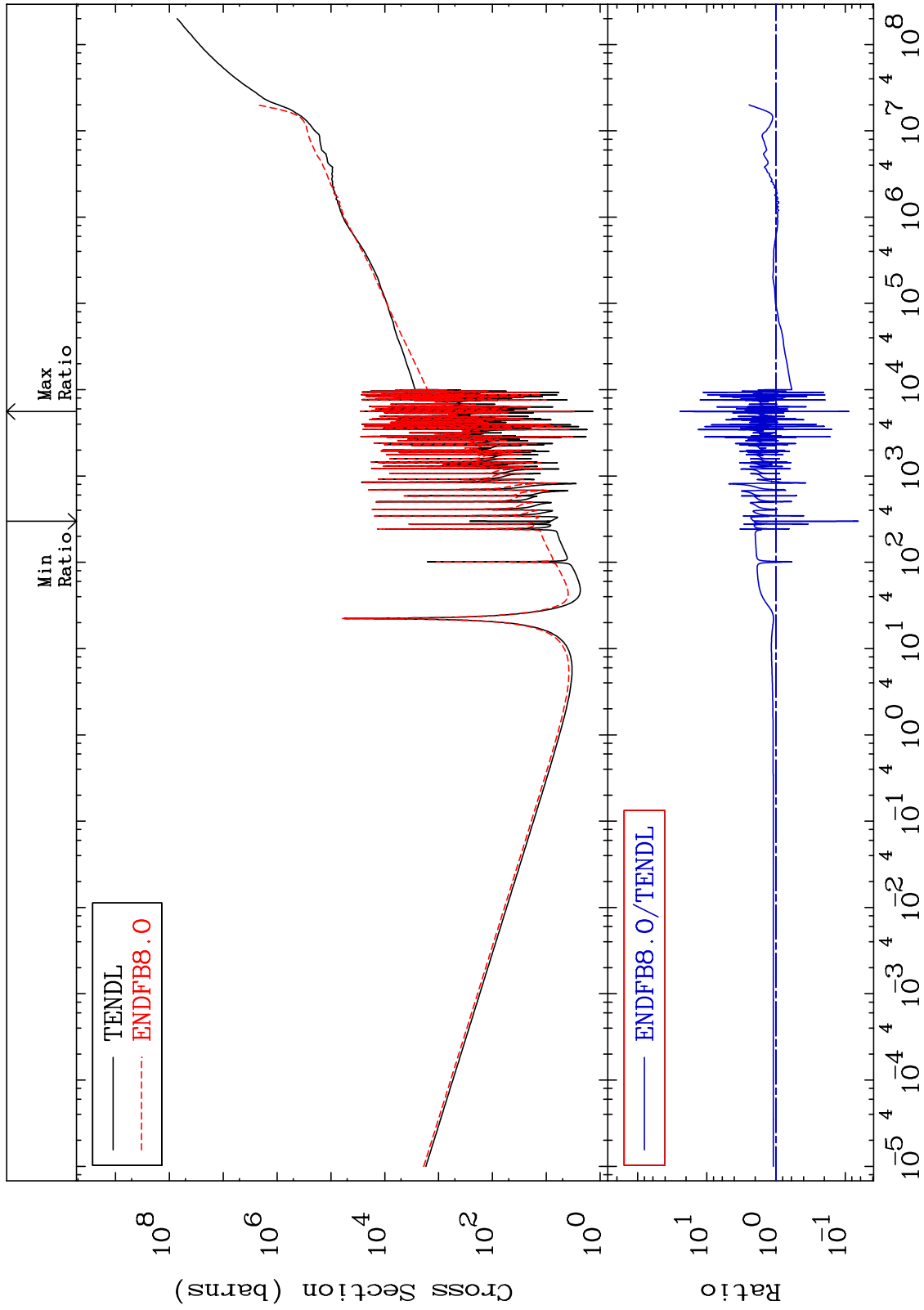
Incident Energy (eV)

64-Gd-158

MAT 6443

Total kinematic kerma (high limit)  
Cross Section

64-Gd-158  
-93.56 To 2340. %



50

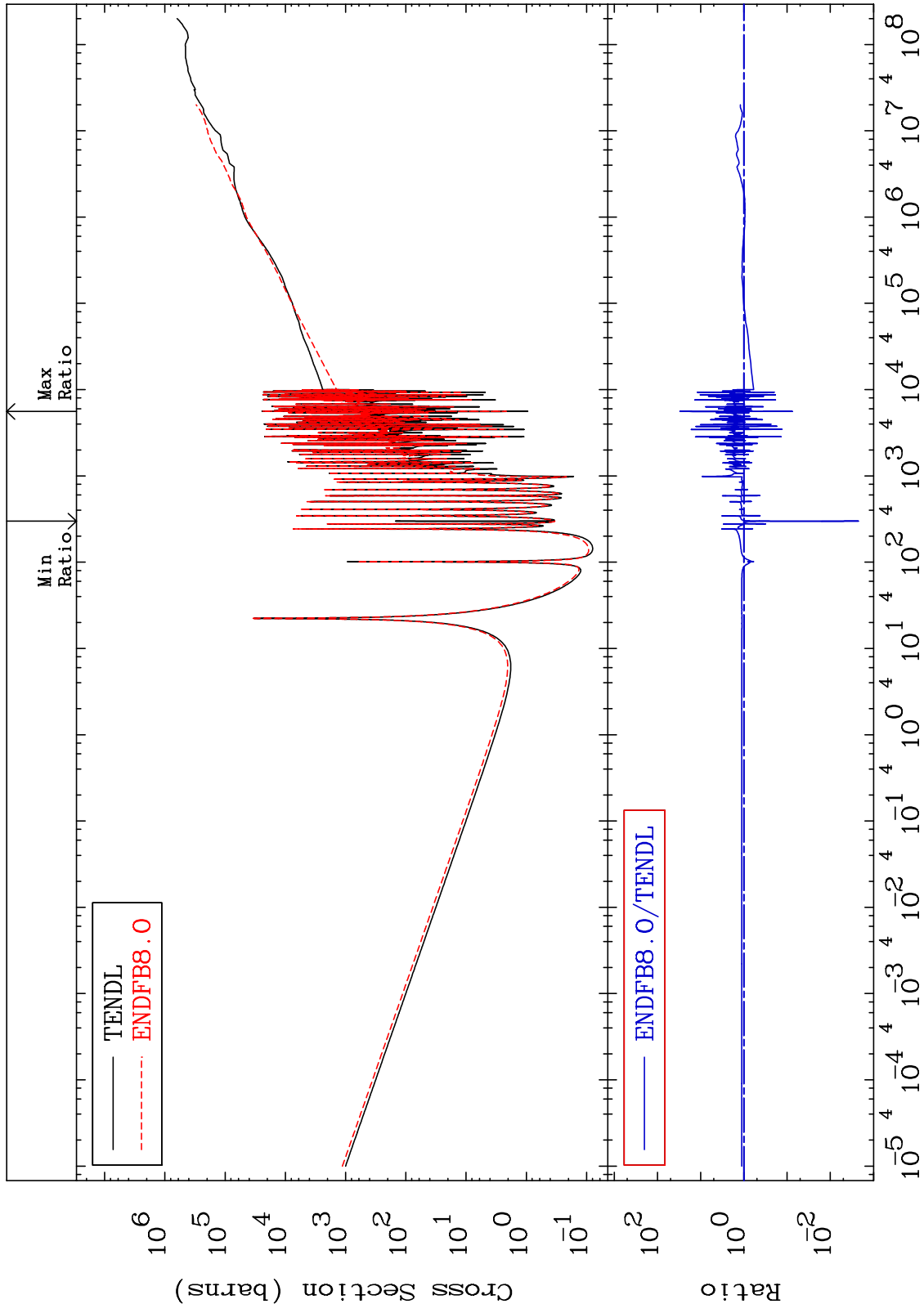
Incident Energy (eV)

64-Gd-158

MAT 6443

Dpa total (eV-barns)  
Cross Section

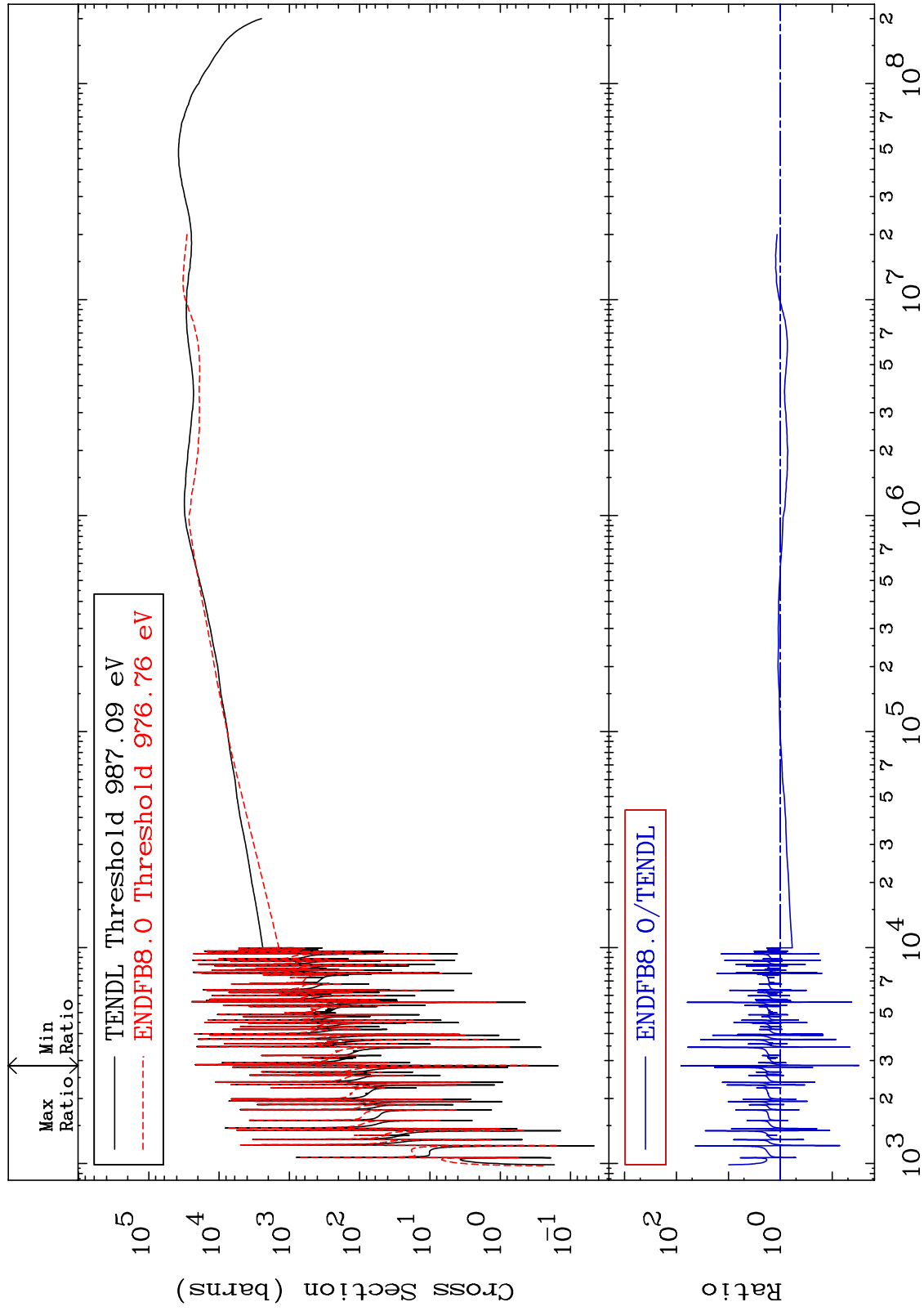
64-Gd-158  
-99.78 To 2905. %



MAT 6443

Dpa elastic (mt2)  
Cross Section

64-Gd-158  
-96.98 To 8059. %



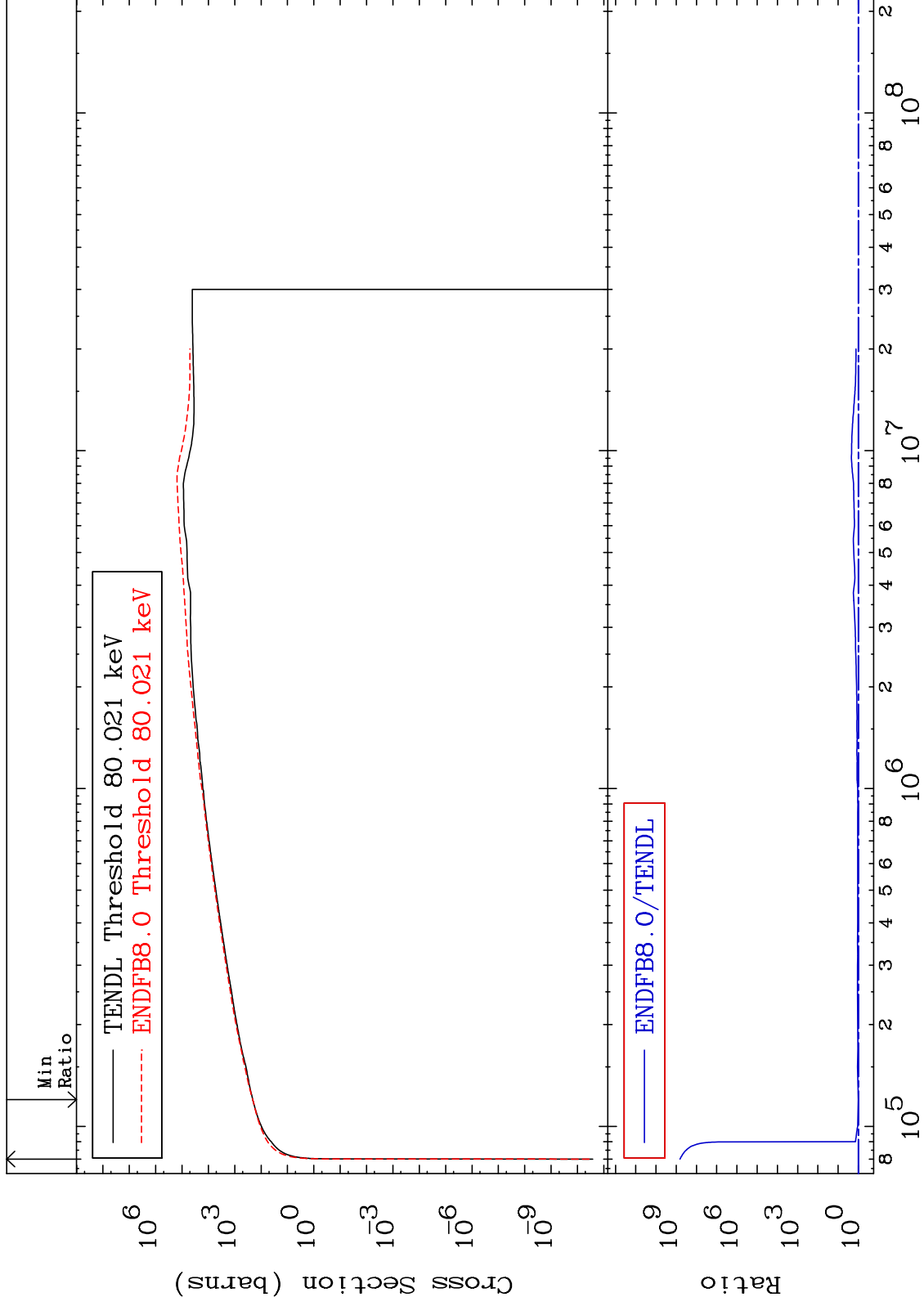
52

64-Gd-158

MAT 6443

Dpa inelastic (mt51-91)  
Cross Section

64-Gd-158  
-0.749 To 9999. %



53

Incident Energy (eV)

64-Gd-158

MAT 6443

Dpa disappearance (mt102 -120)  
Cross Section

64-Gd-158  
-99.78 To 227.8 %

