

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

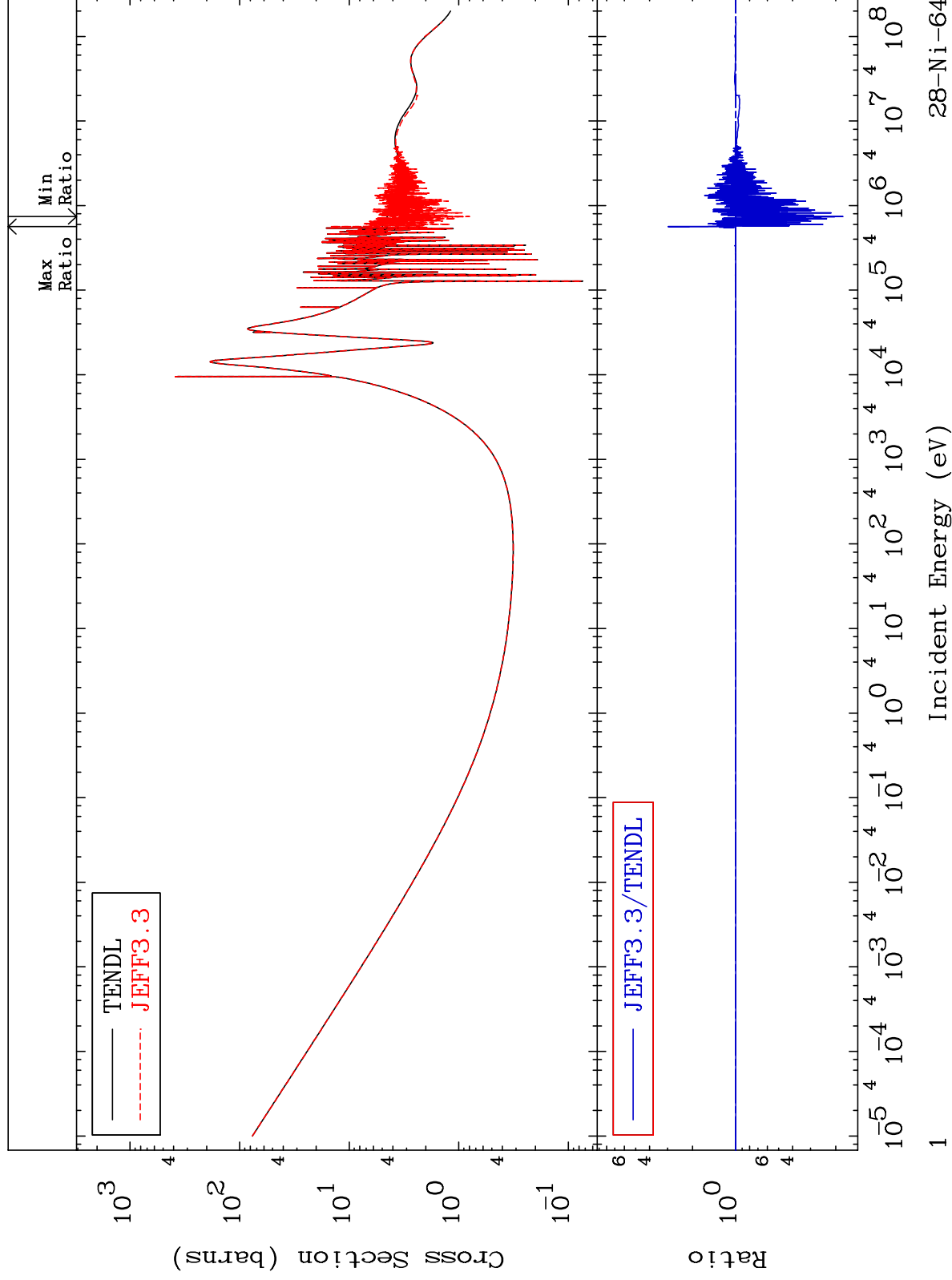
MAT 2843

Total

Cross Section

28-Ni-64

-82.19 To 197.2 %



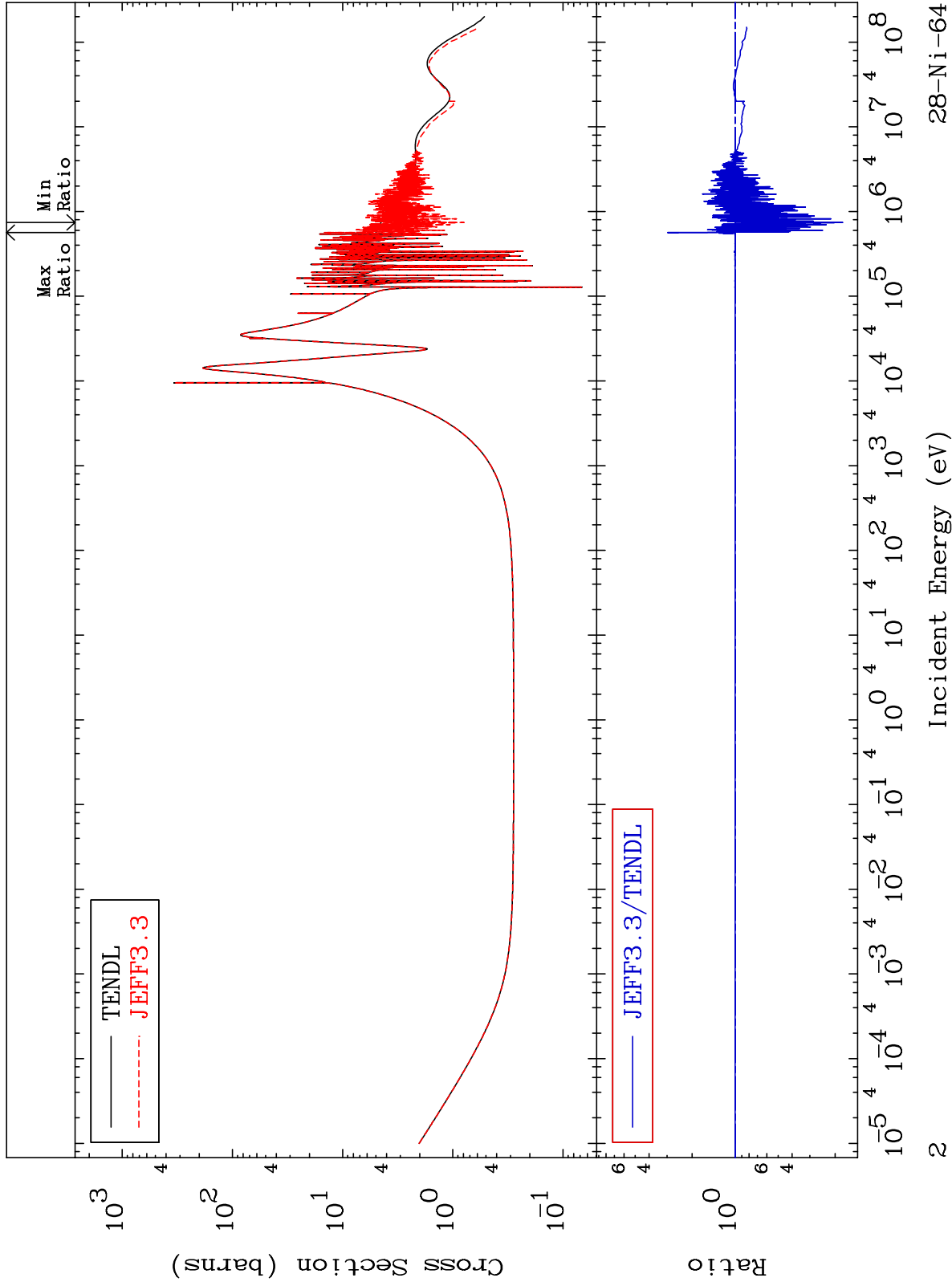
Incident Energy (eV)

28-Ni-64

MAT 2843

Elastic  
Cross Section

28-Ni-64  
-82.30 To 197.2 %



28-Ni-64

Incident Energy (eV)

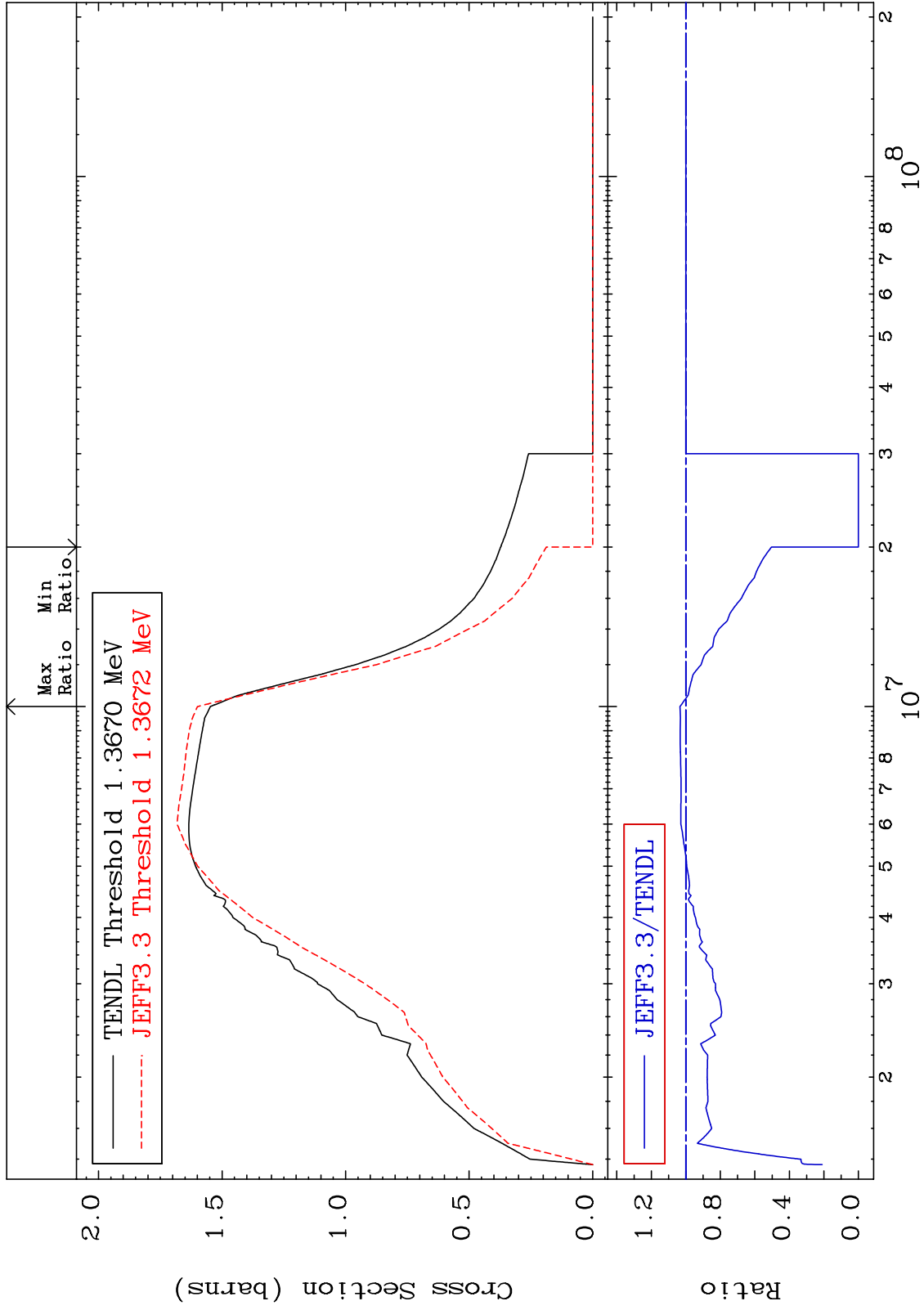
2

MAT 2843

Inelastic  
Cross Section

28-Ni-64

-100.0 To 3.370 %



3

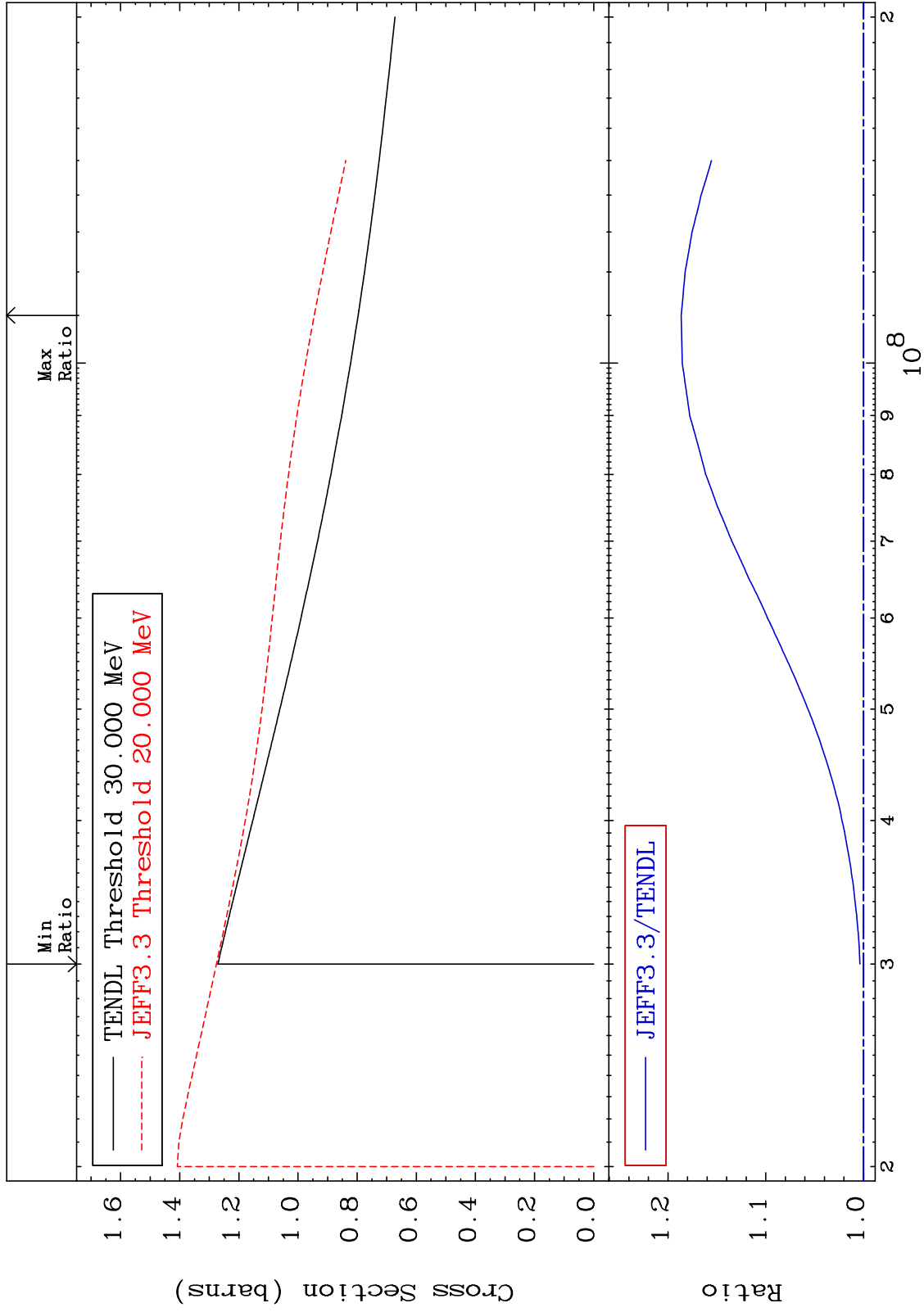
Incident Energy (eV)

28-Ni-64

MAT 2843

(n, remainder)  
Cross Section

28-Ni-64  
0.364 To 18.65 %



4

Incident Energy (eV)

28-Ni-64

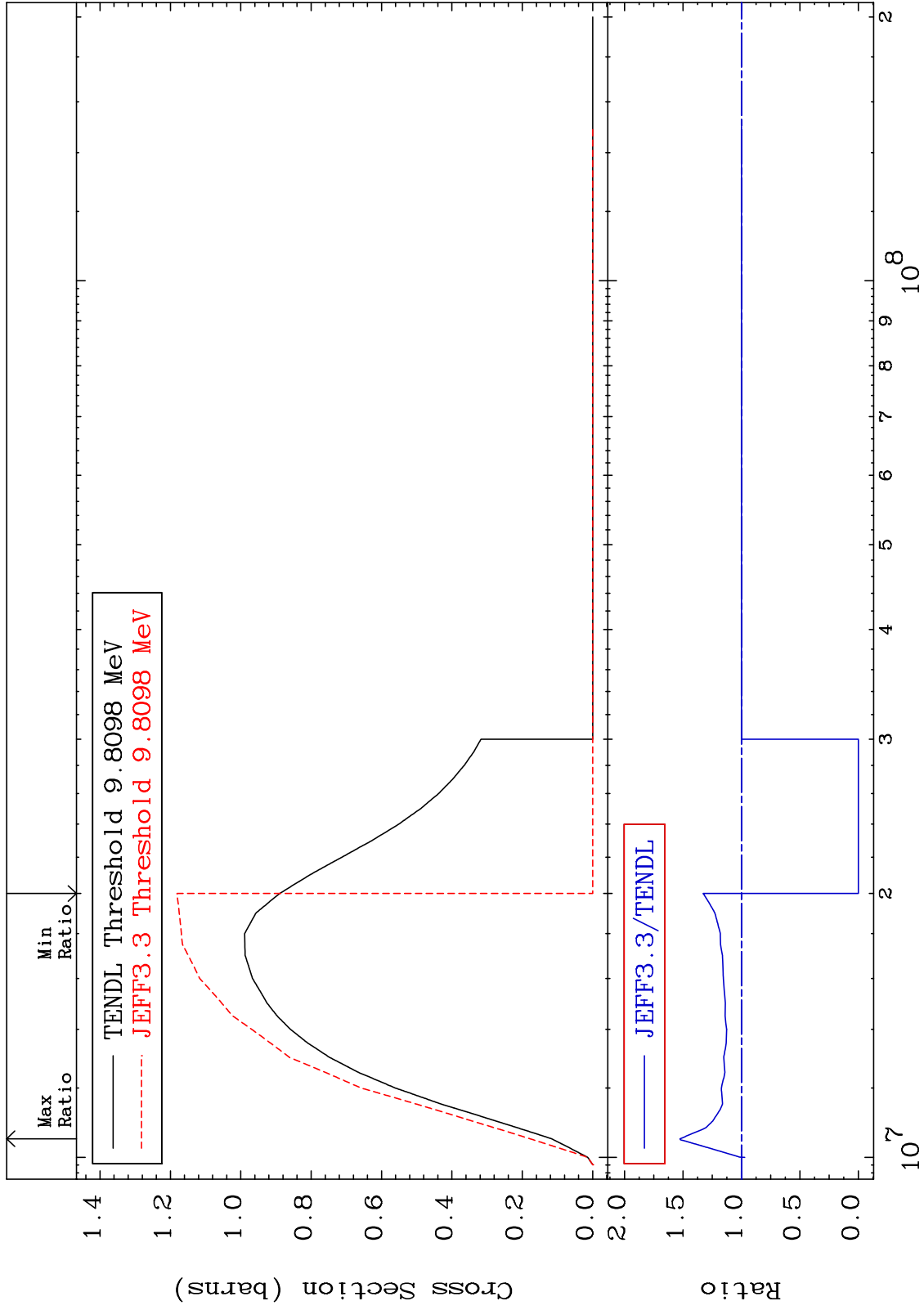
MAT 2843

(n,2n)

<sup>28</sup>Ni-64

Cross Section

-100.0 To 52.62 %



Incident Energy (eV)

<sup>28</sup>Ni-64

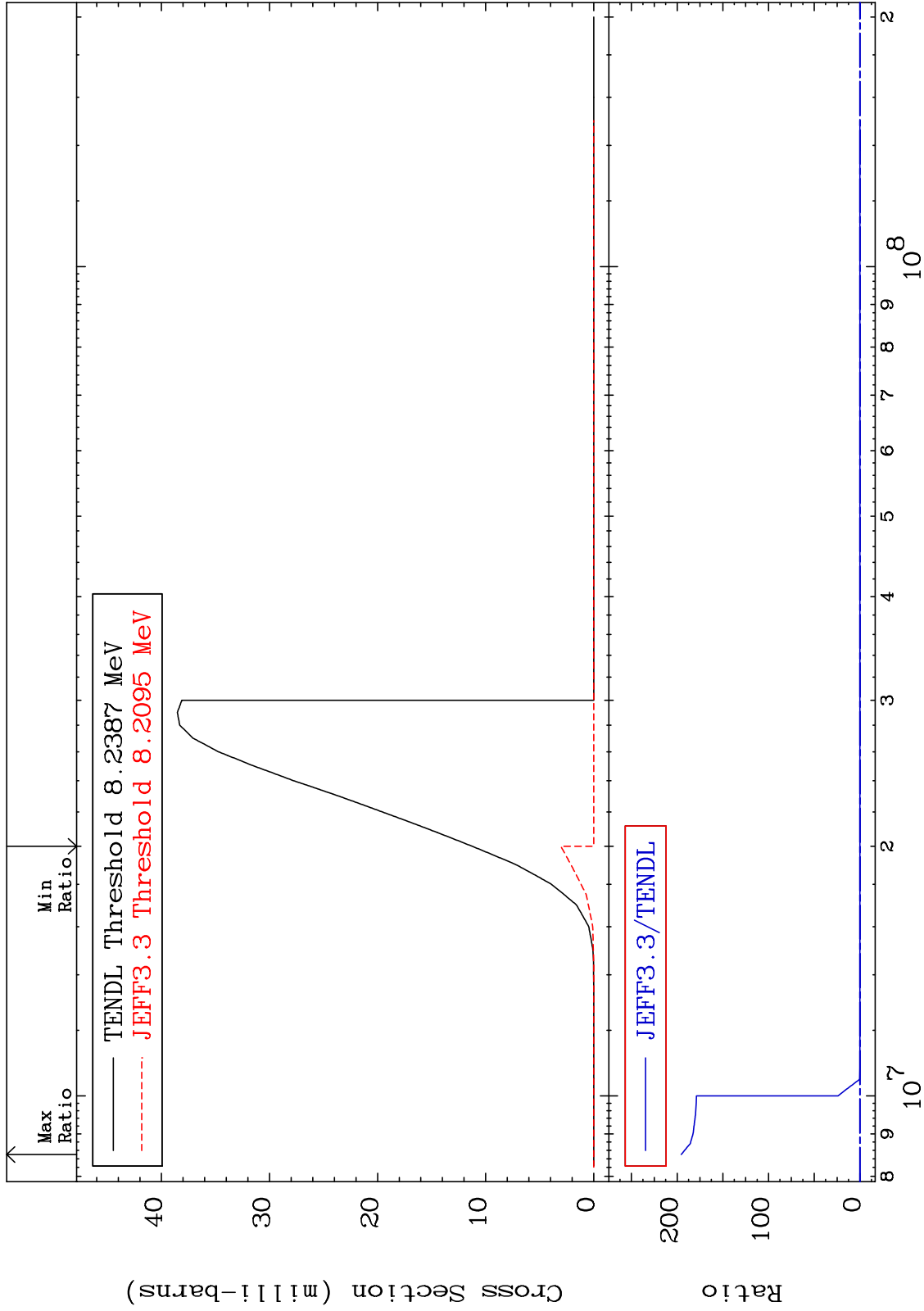
MAT 2843

(n,n')  $\alpha$

28-Ni-64

Cross Section

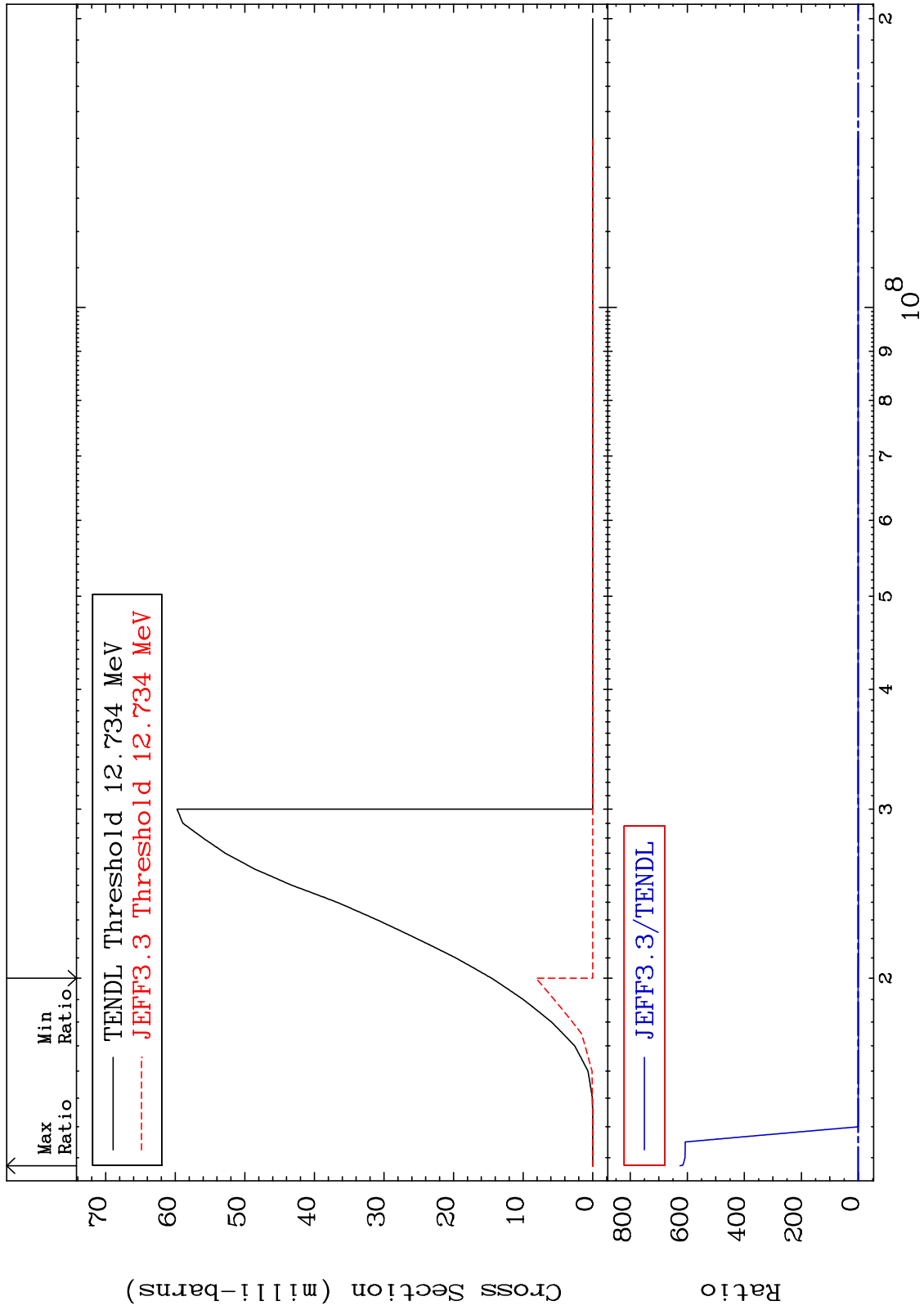
-100.0 To 9999. %



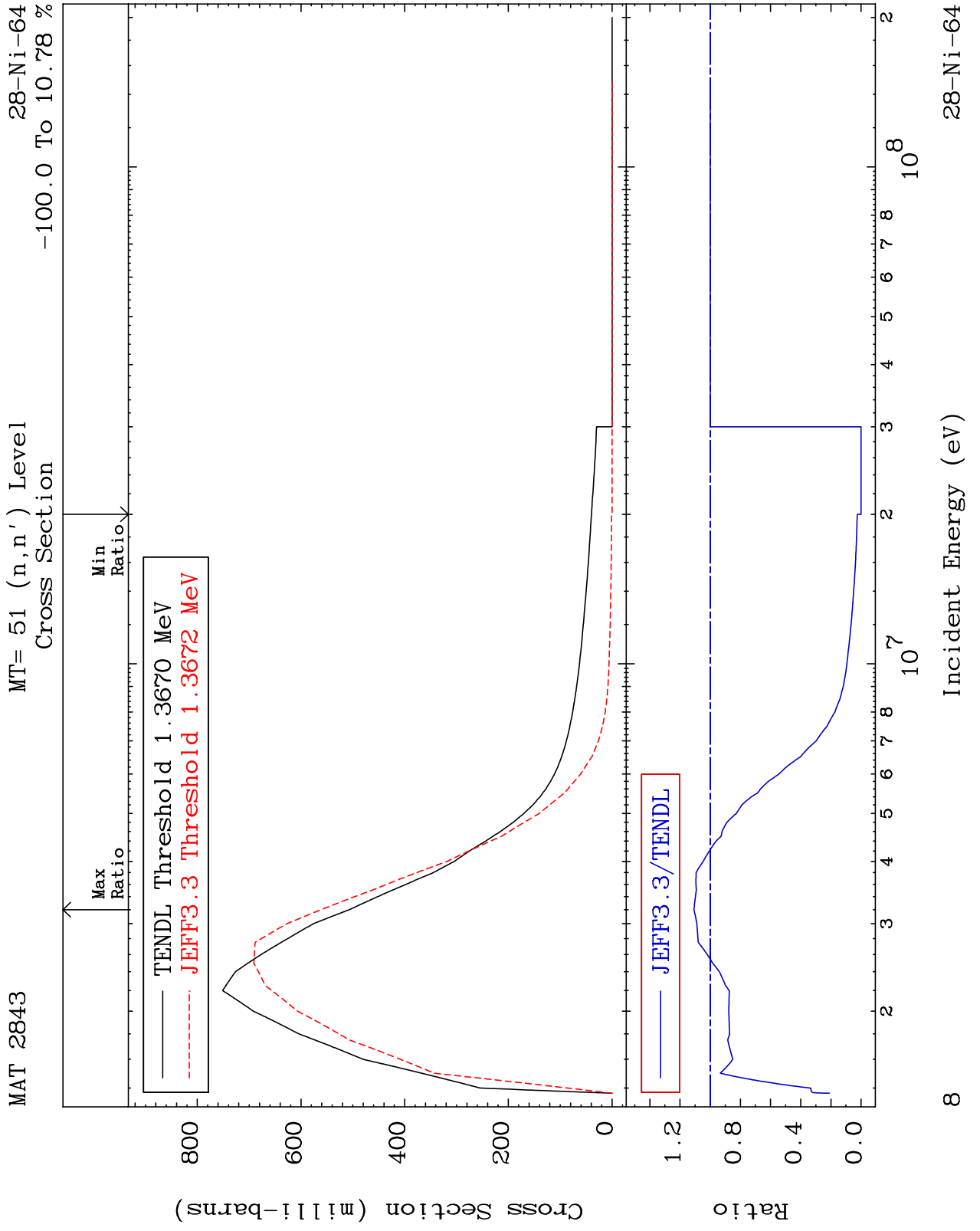
Incident Energy (eV)

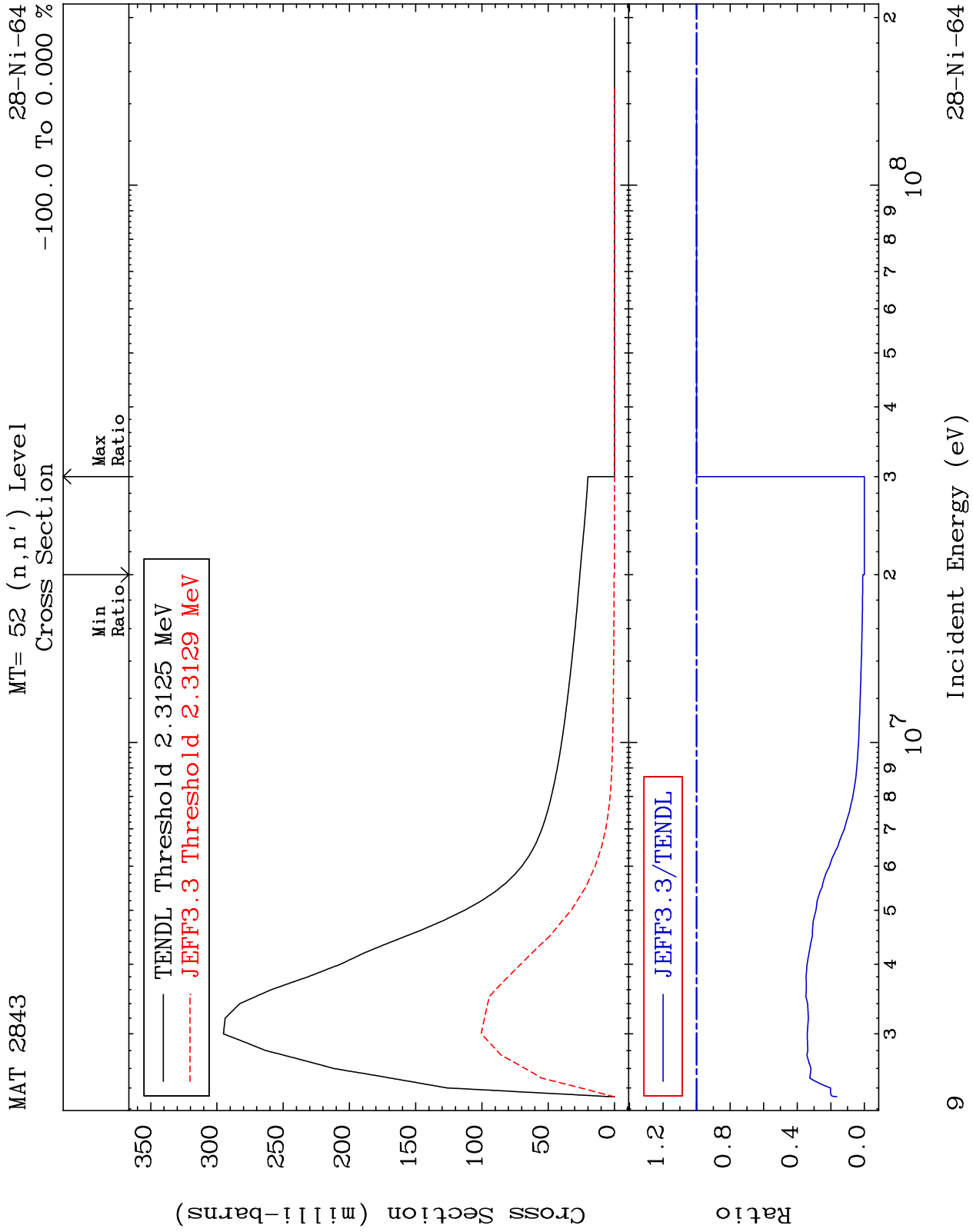
28-Ni-64

MAT 2843  $(n, n') p$  28-Ni-64  
 Cross Section -100.0 To 9999. %

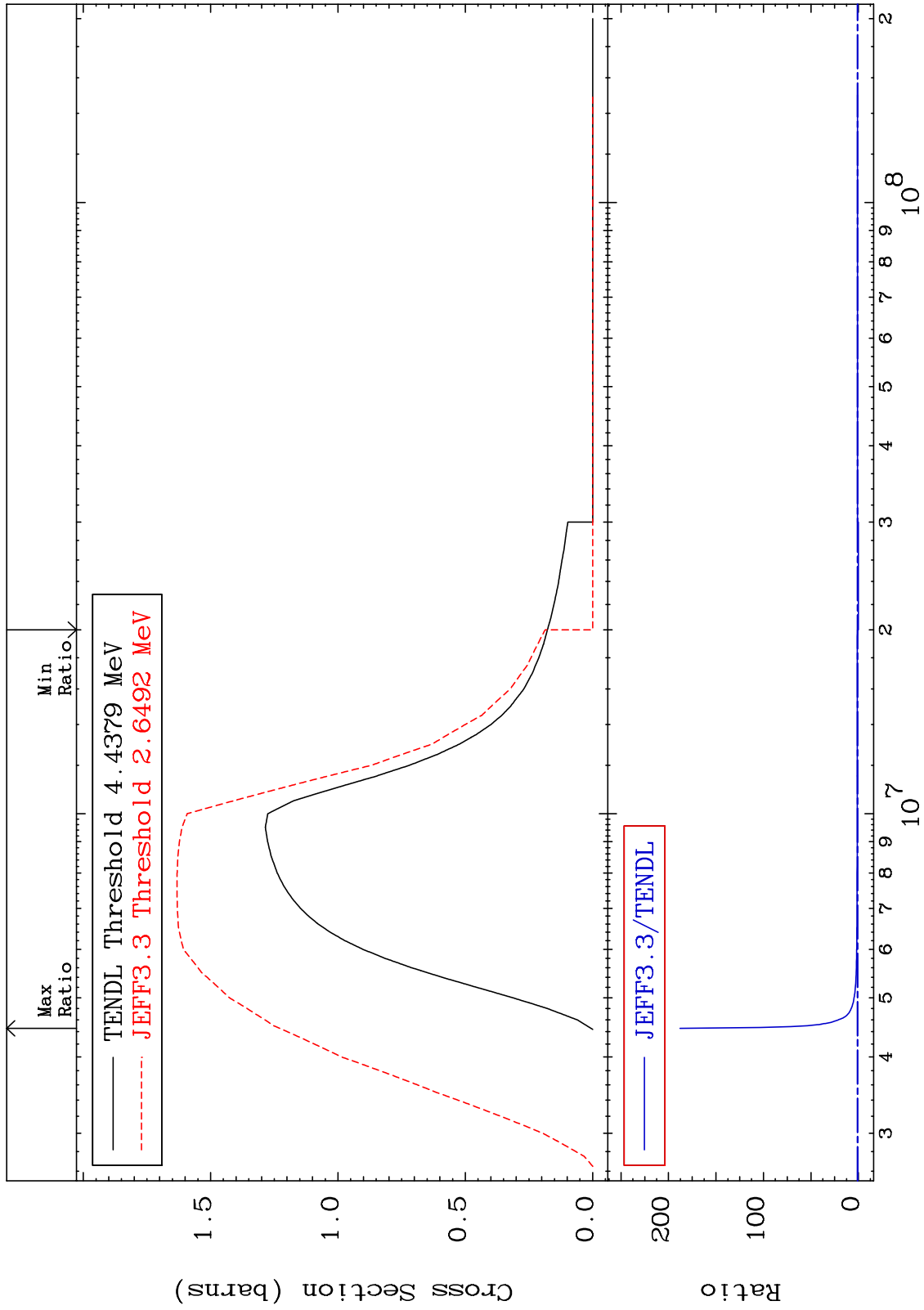








MAT 2843 (n,n') Continuum Cross Section 28-Ni-64 -100.0 To 9999. %



10 200 100 0 3 4 5 6 7 8 9 10<sup>7</sup> 10<sup>8</sup>

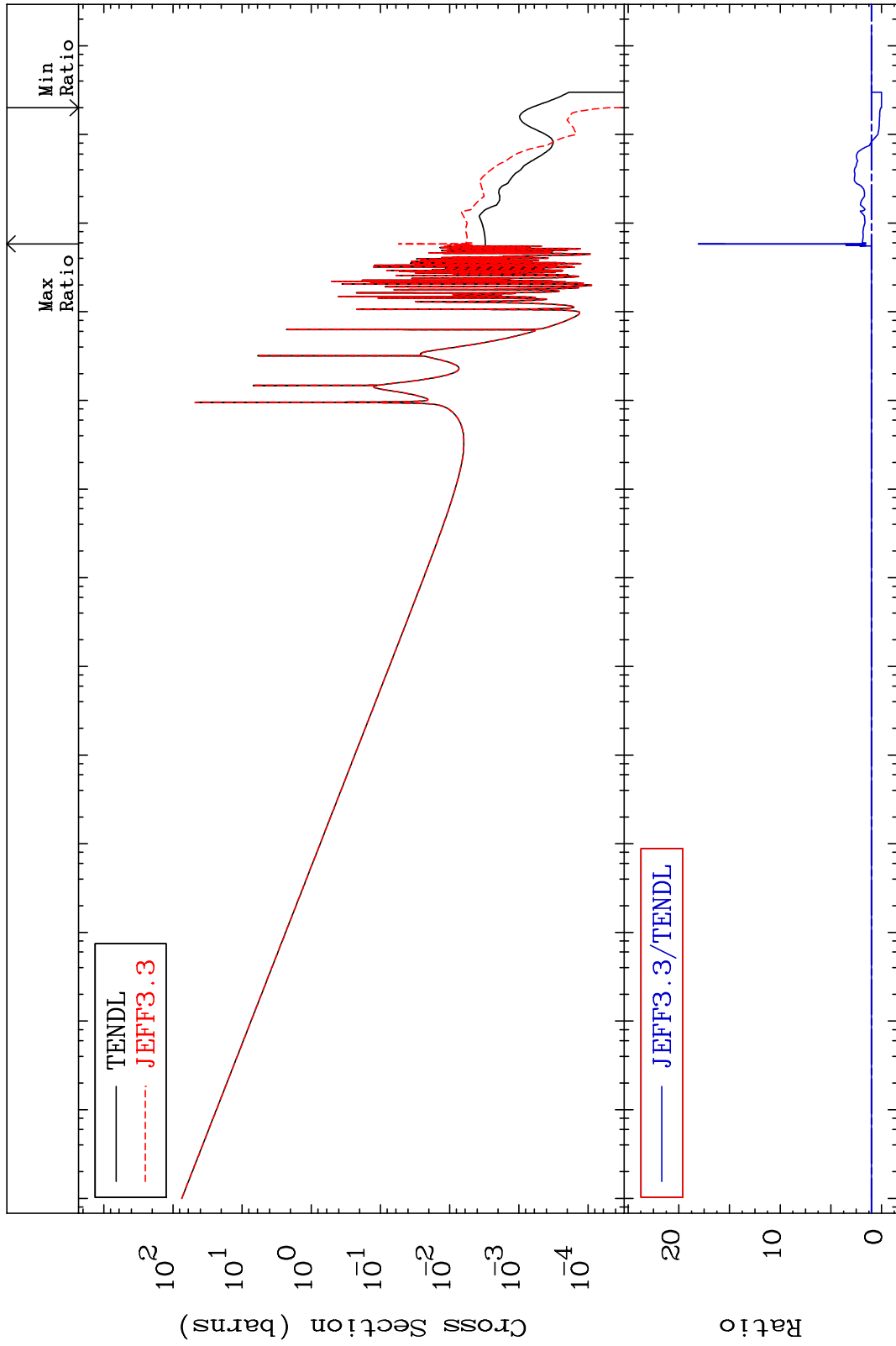
MAT 2843

(n,  $\gamma$ )

28-Ni-64

Cross Section

-100.0 To 1707. %



Incident Energy (eV)

28-Ni-64

11

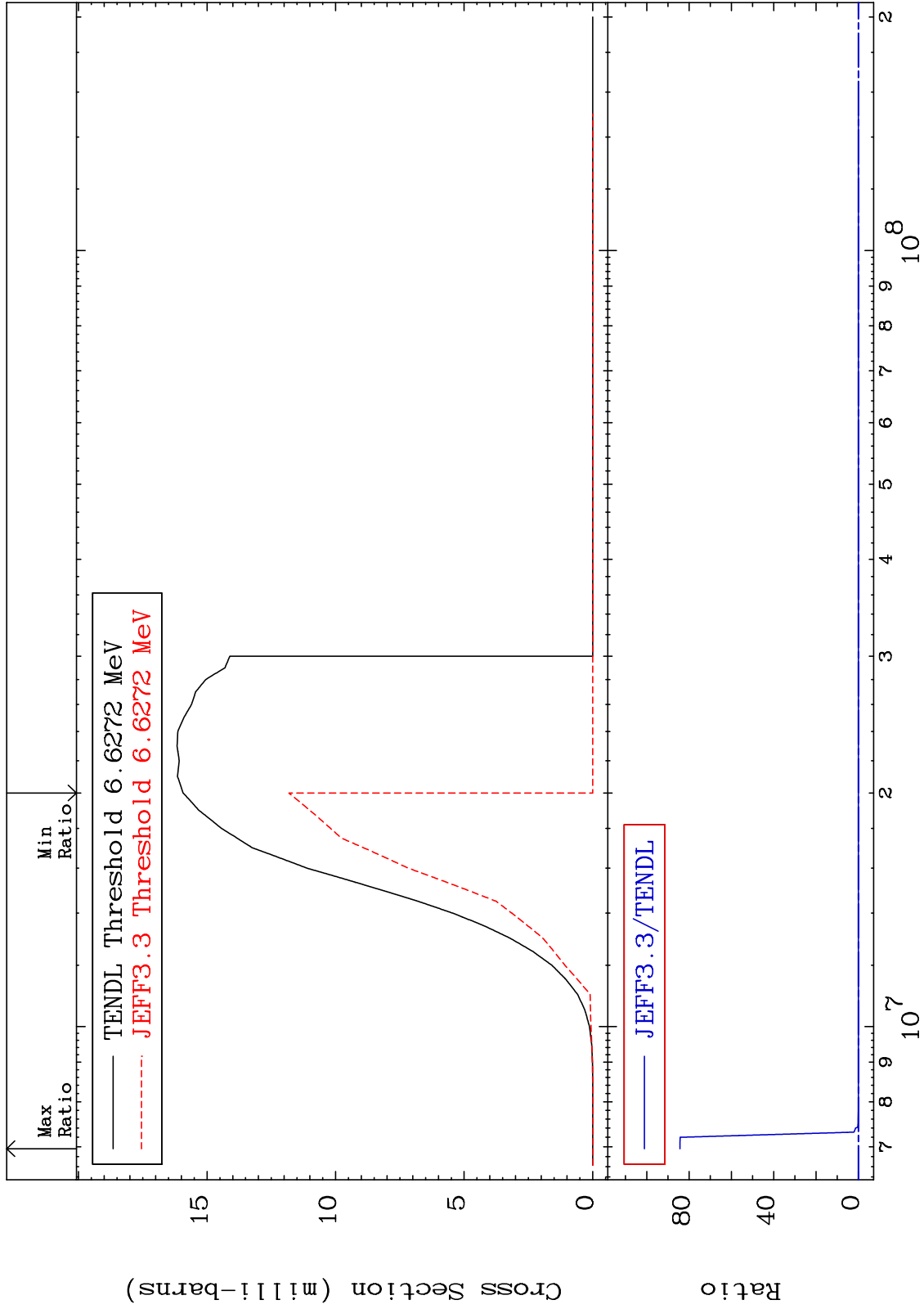
MAT 2843

(n,p)

<sup>28</sup>Ni-64

Cross Section

-100.0 To 9999. %



12

Incident Energy (eV)

<sup>28</sup>Ni-64

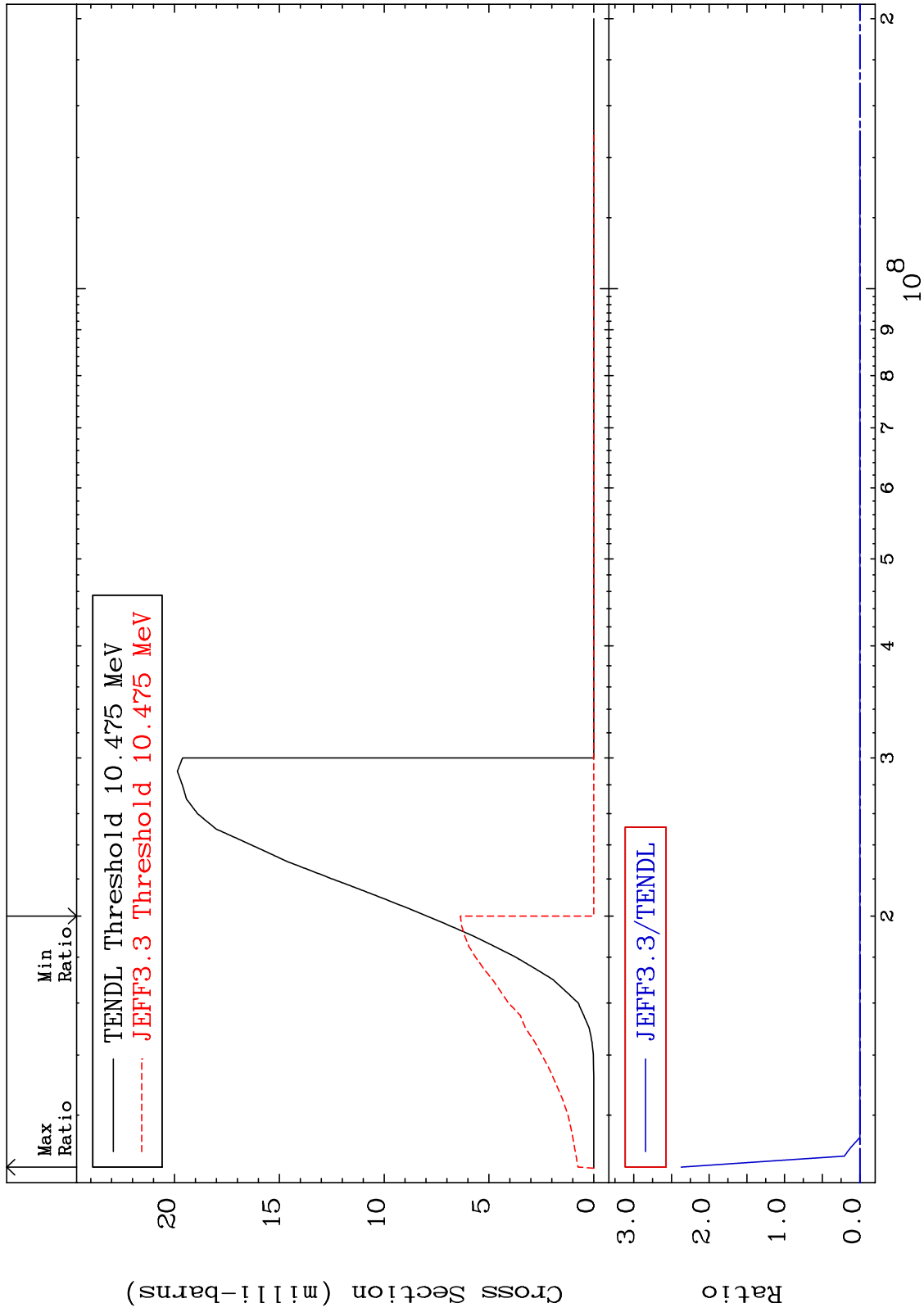
MAT 2843

(n,d)

<sup>28</sup>Ni-64

Cross Section

-100.0 To 9999. %



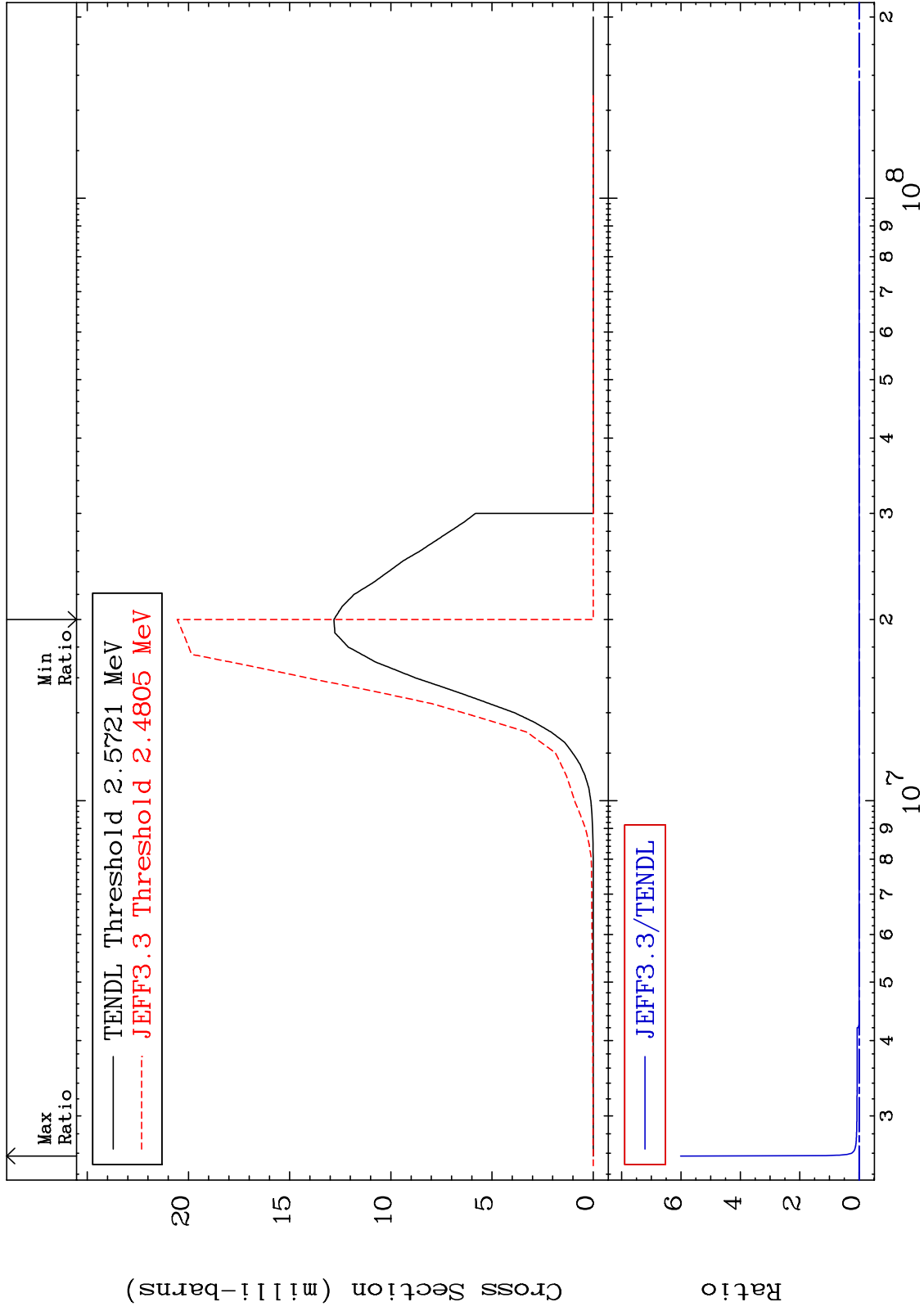
MAT 2843

(n,  $\alpha$ )

28-Ni-64

Cross Section

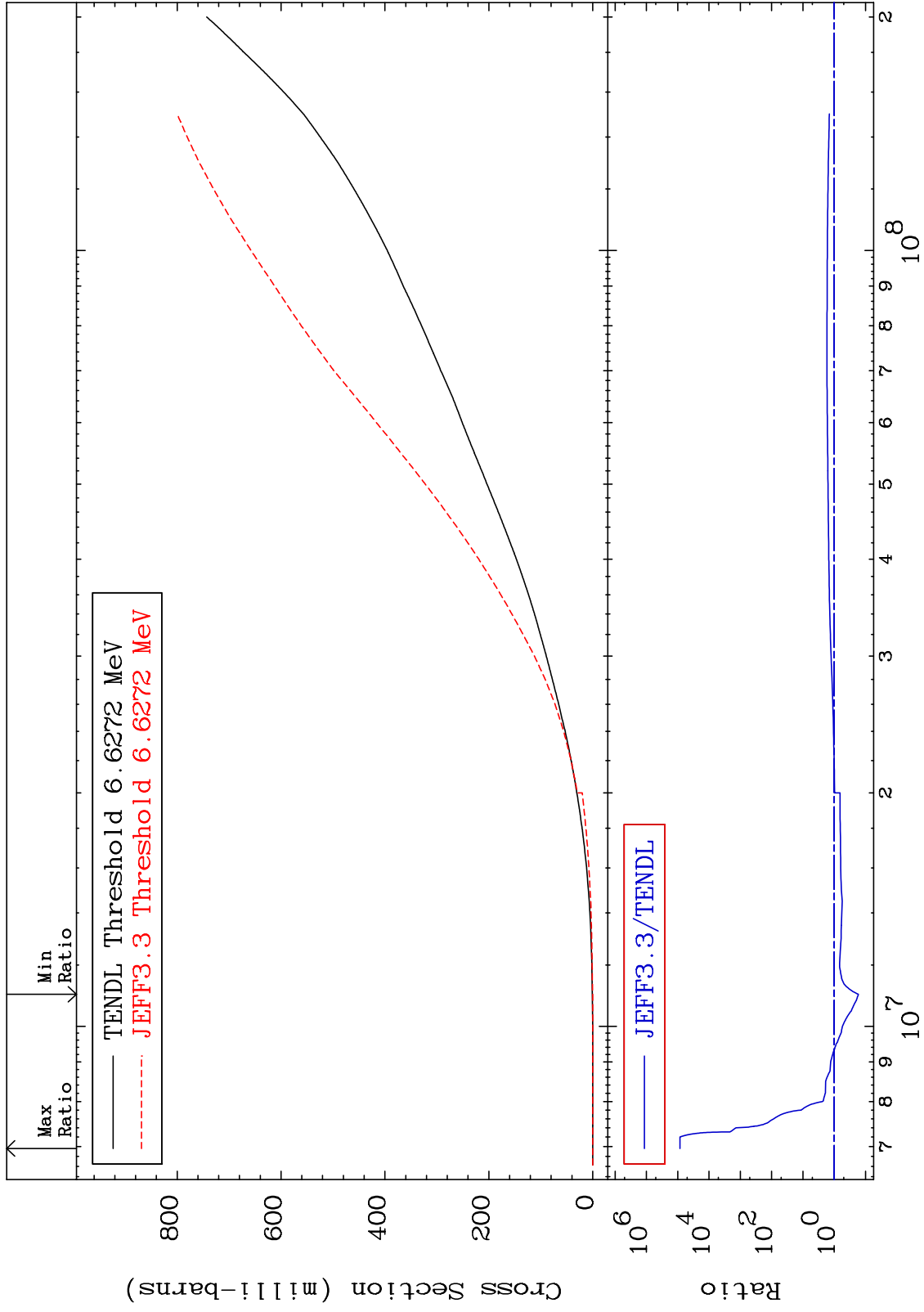
-100.0 To 9999. %



MAT 2843

Hydrogen Production  
Cross Section

<sup>28</sup>Ni-64  
-83.09 To 9999. %



15

Incident Energy (eV)

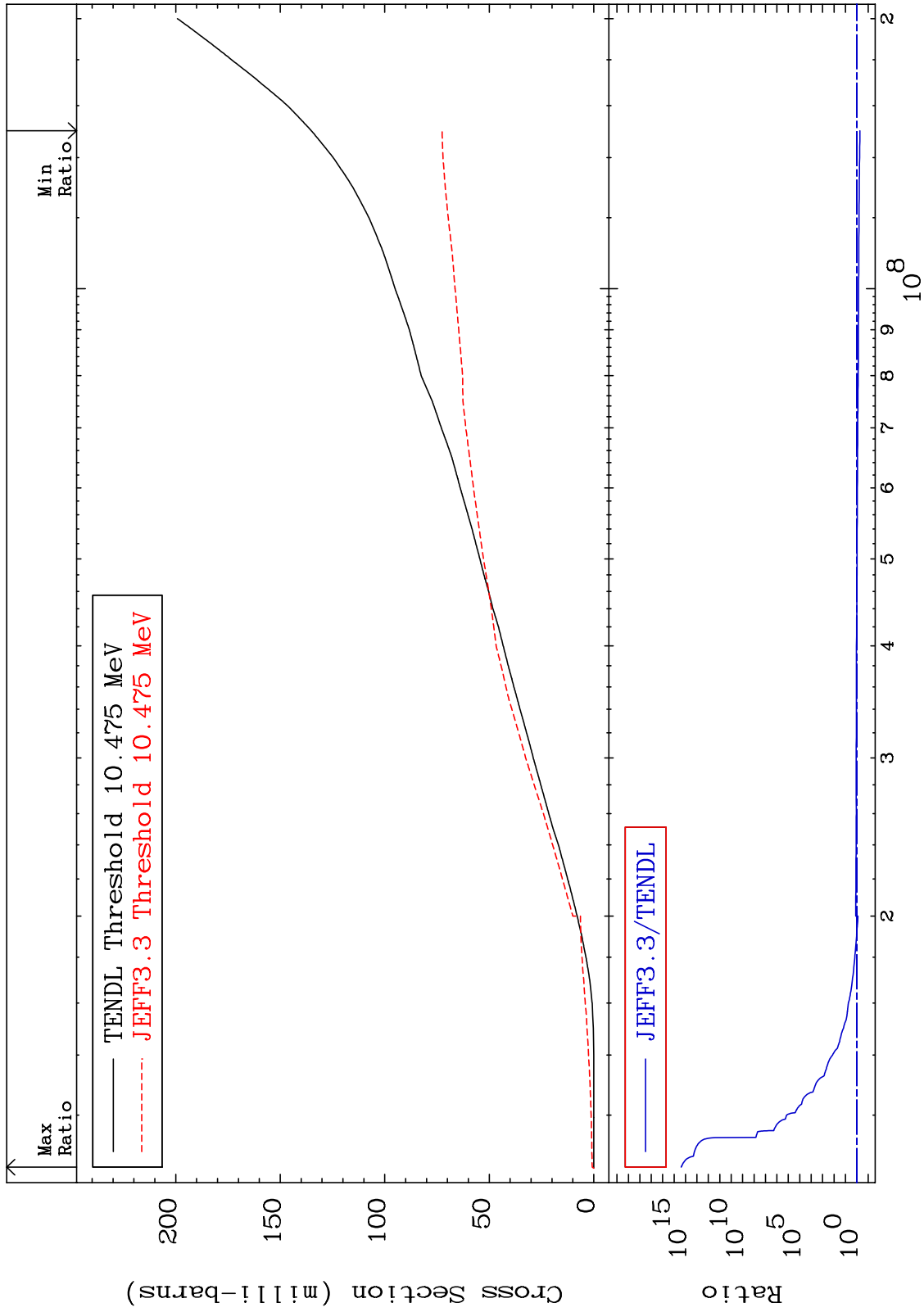
<sup>28</sup>Ni-64



MAT 2843

Deuterium Production  
Cross Section

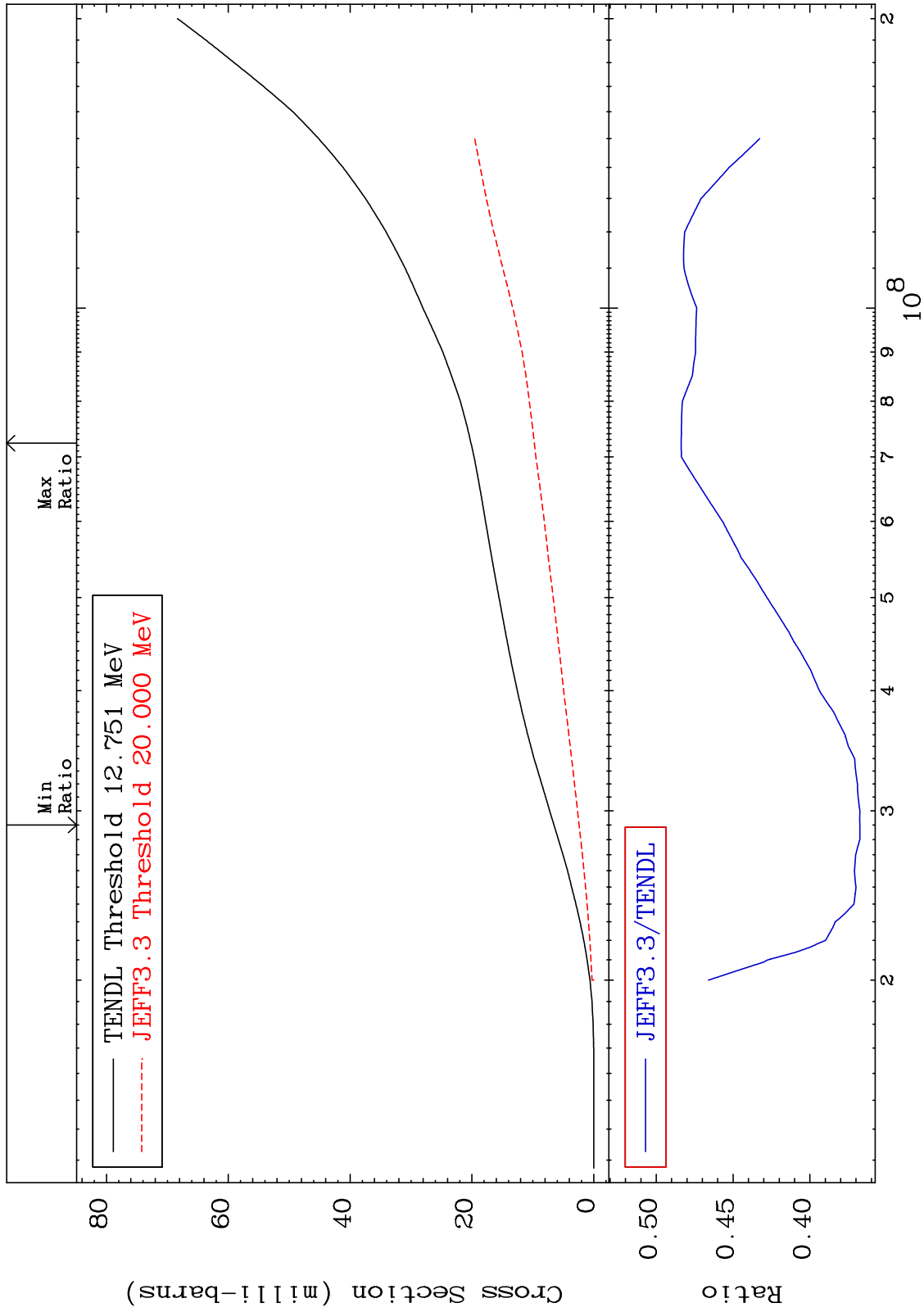
28-Ni-64  
-46.28 To 9999. %



MAT 2843

Tritium Production  
Cross Section

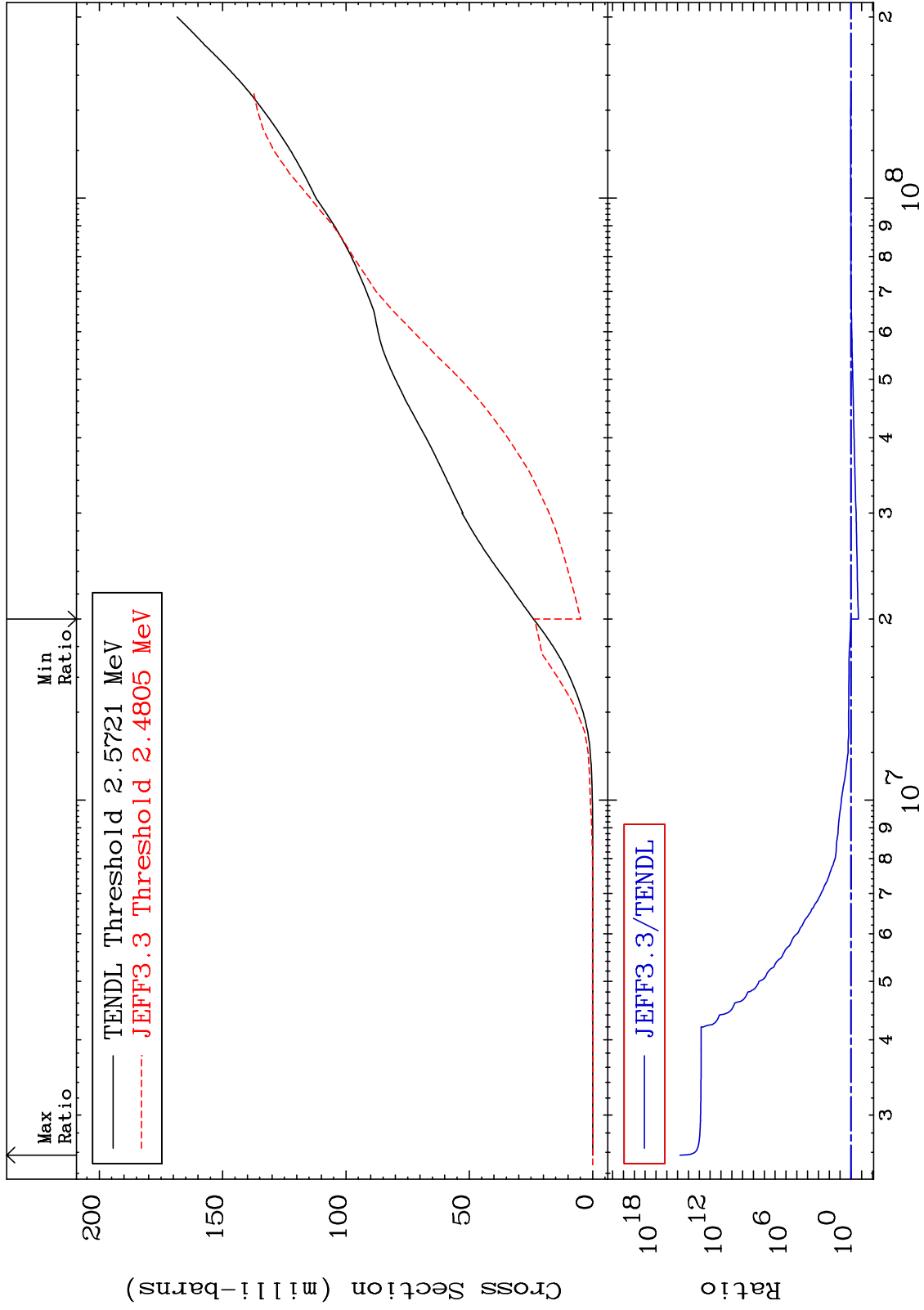
$^{28}\text{Ni-64}$   
-63.25 To -51.63%

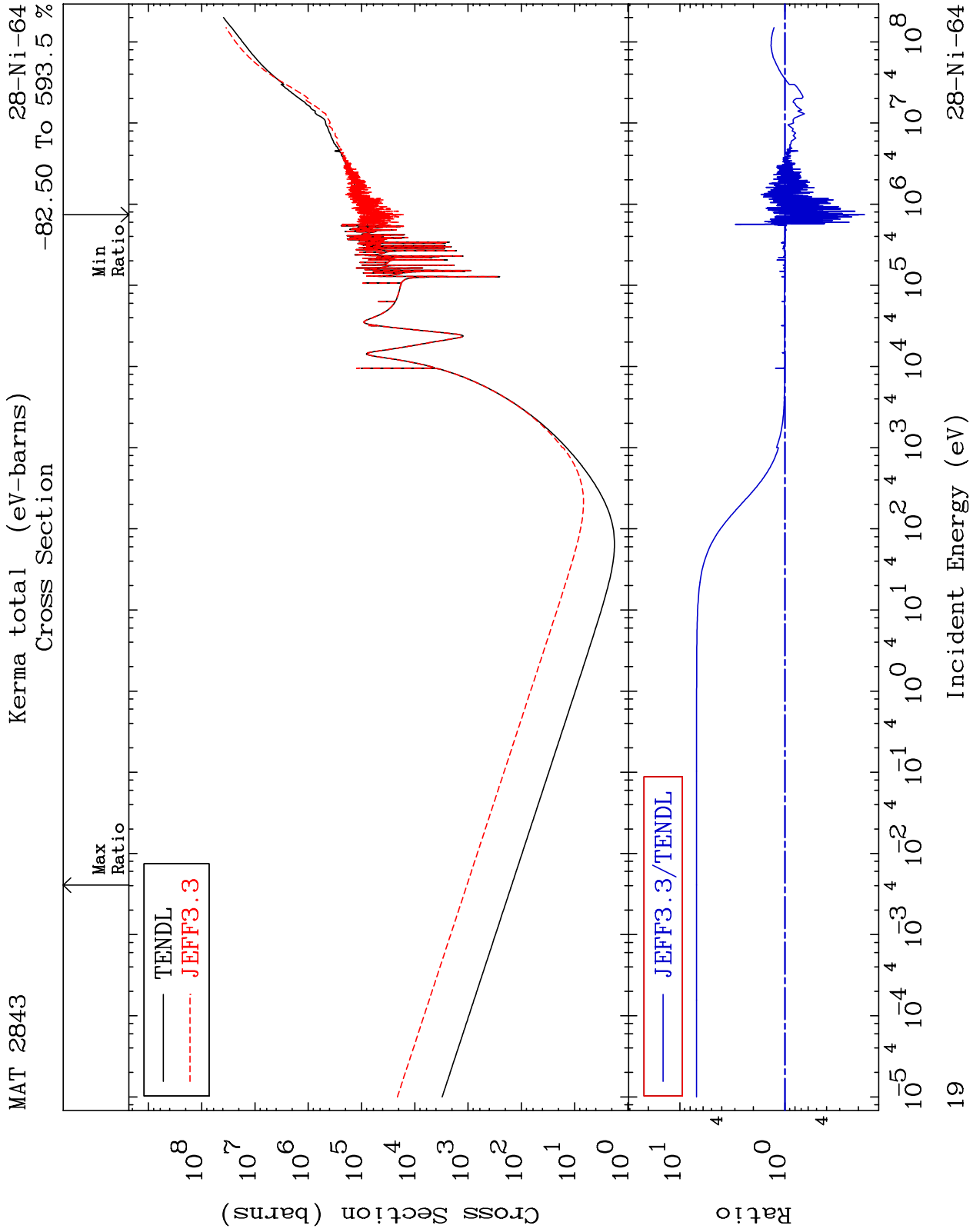


MAT 2843

He-4 Production  
Cross Section

28-Ni-64  
-79.71 To 9999. %

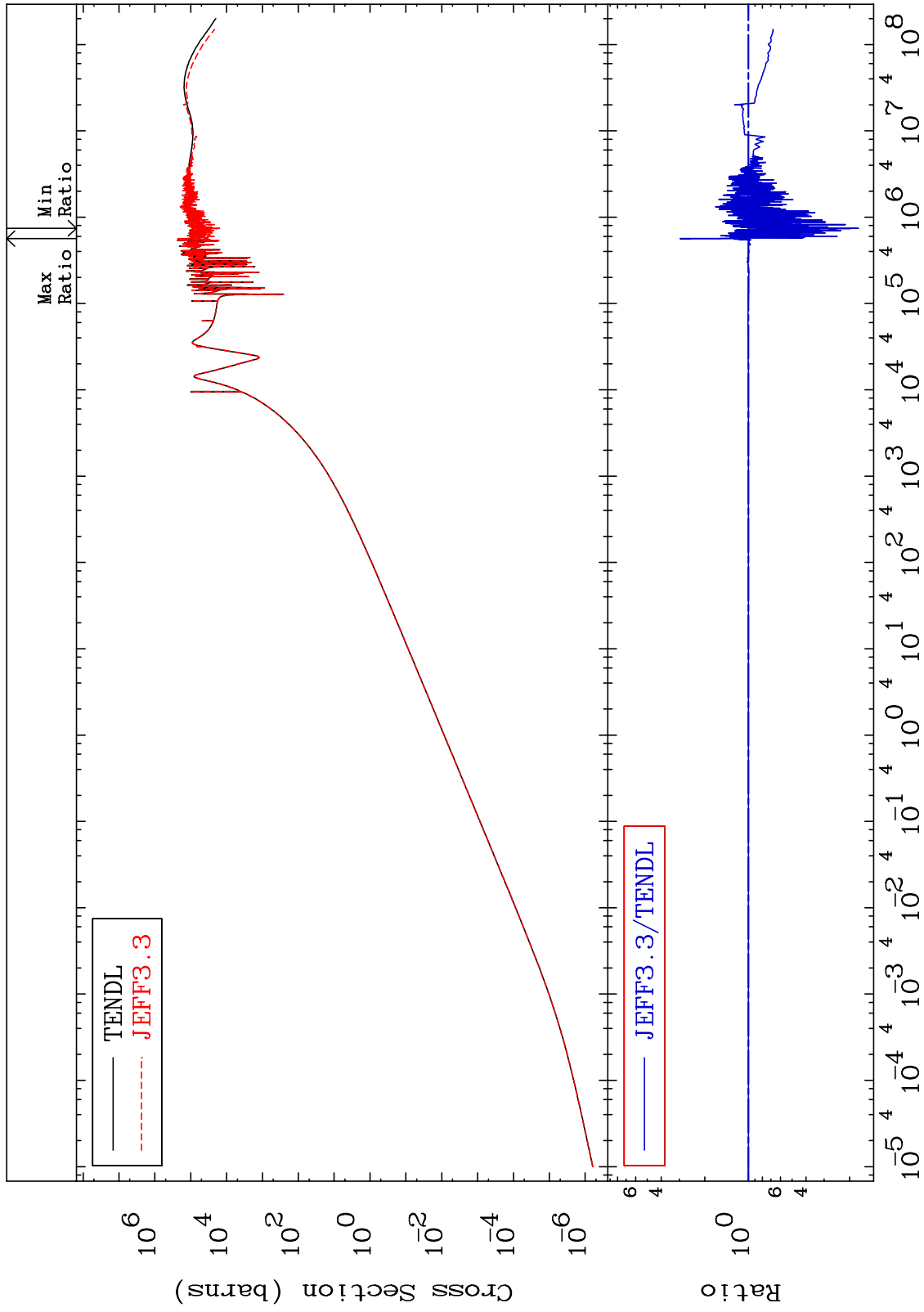




MAT 2843

Kerma elastic  
Cross Section

28-Ni-64  
-82.58 To 196.7 %



20

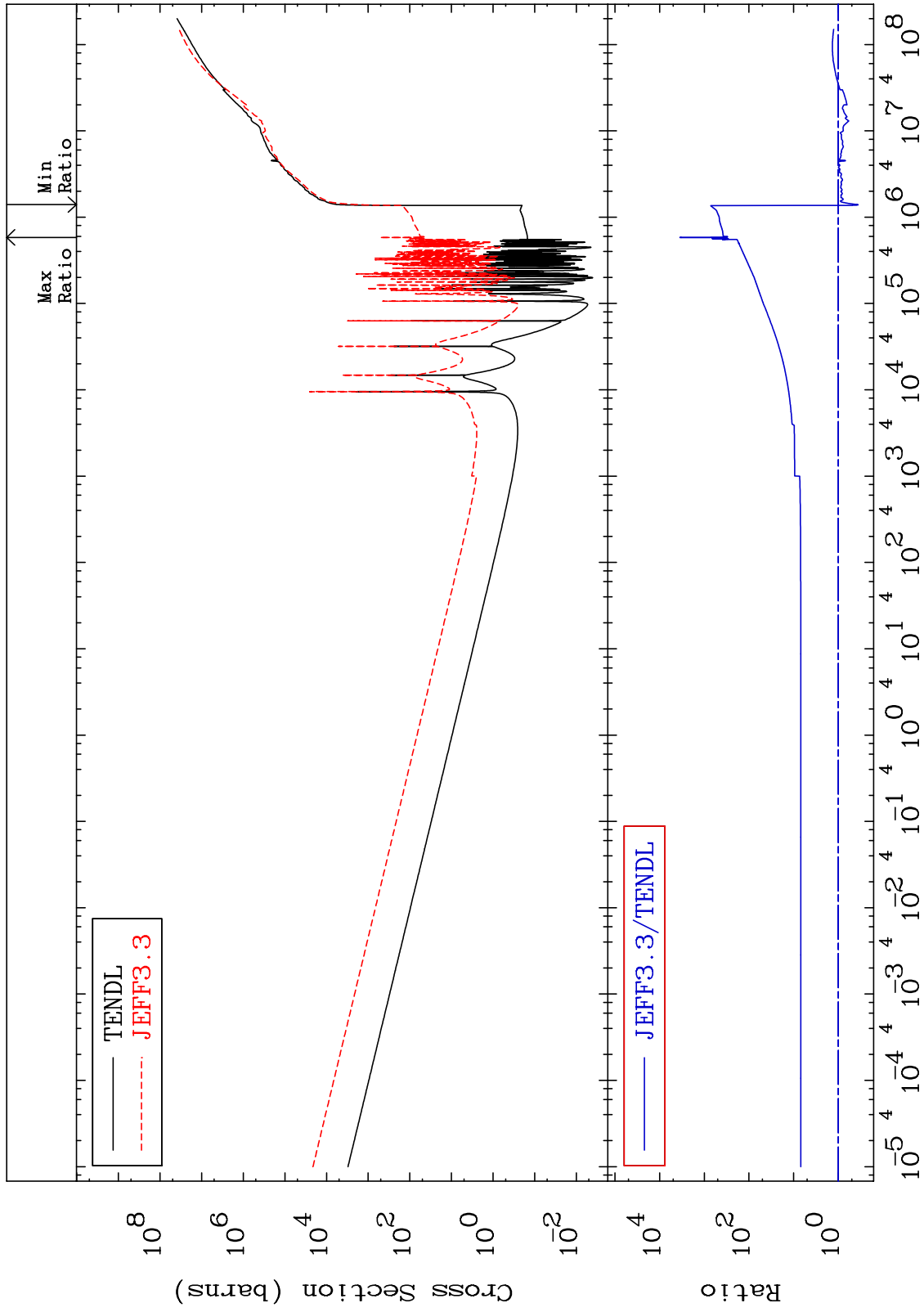
Incident Energy (eV)

28-Ni-64

MAT 2843

Kerma non-elastic (all but mt2)  
Cross Section

28-Ni-64  
-64.54 To 9999. %



21

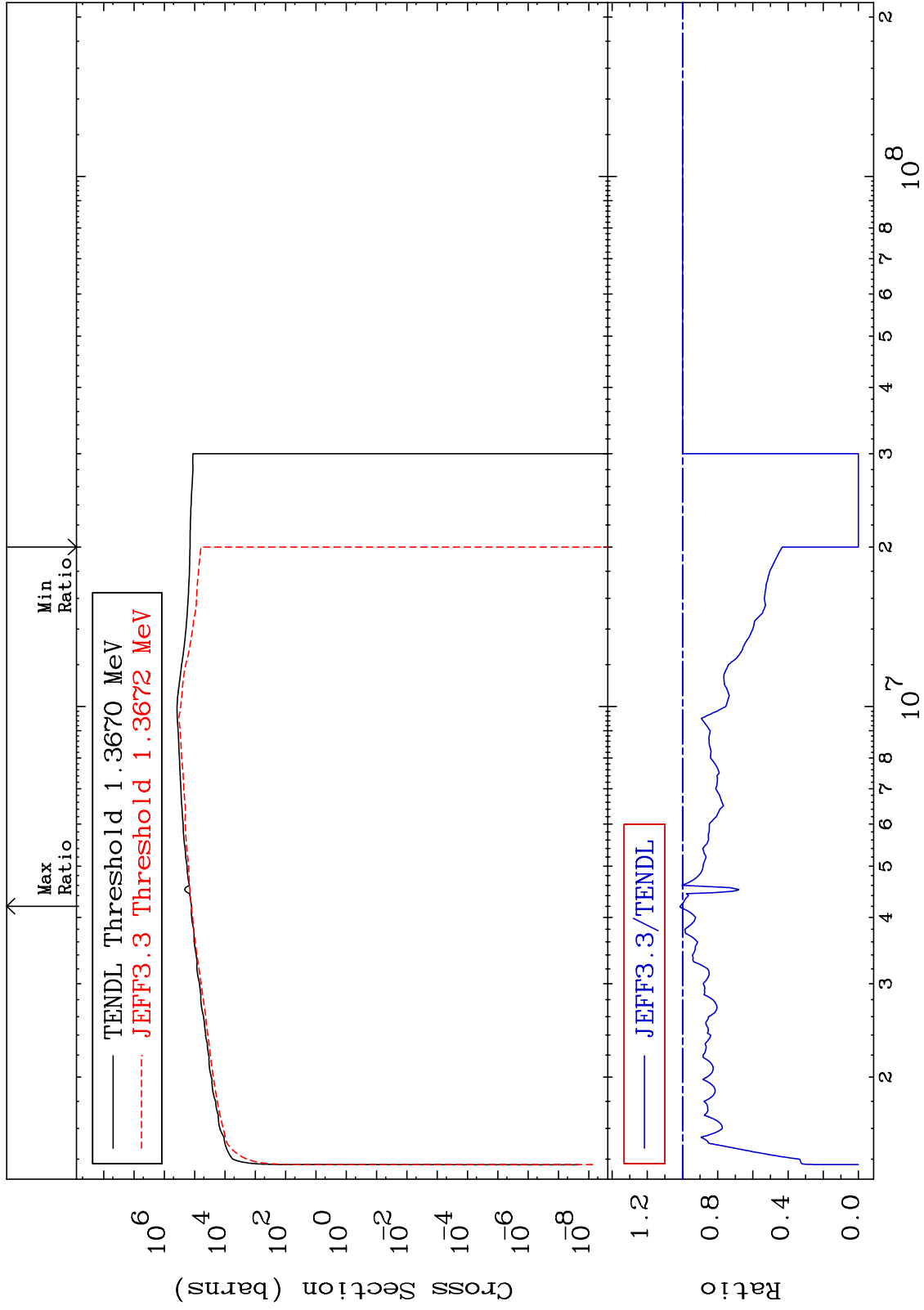
Incident Energy (eV)

28-Ni-64

MAT 2843

Kerma inelastic (mt51-91)  
Cross Section

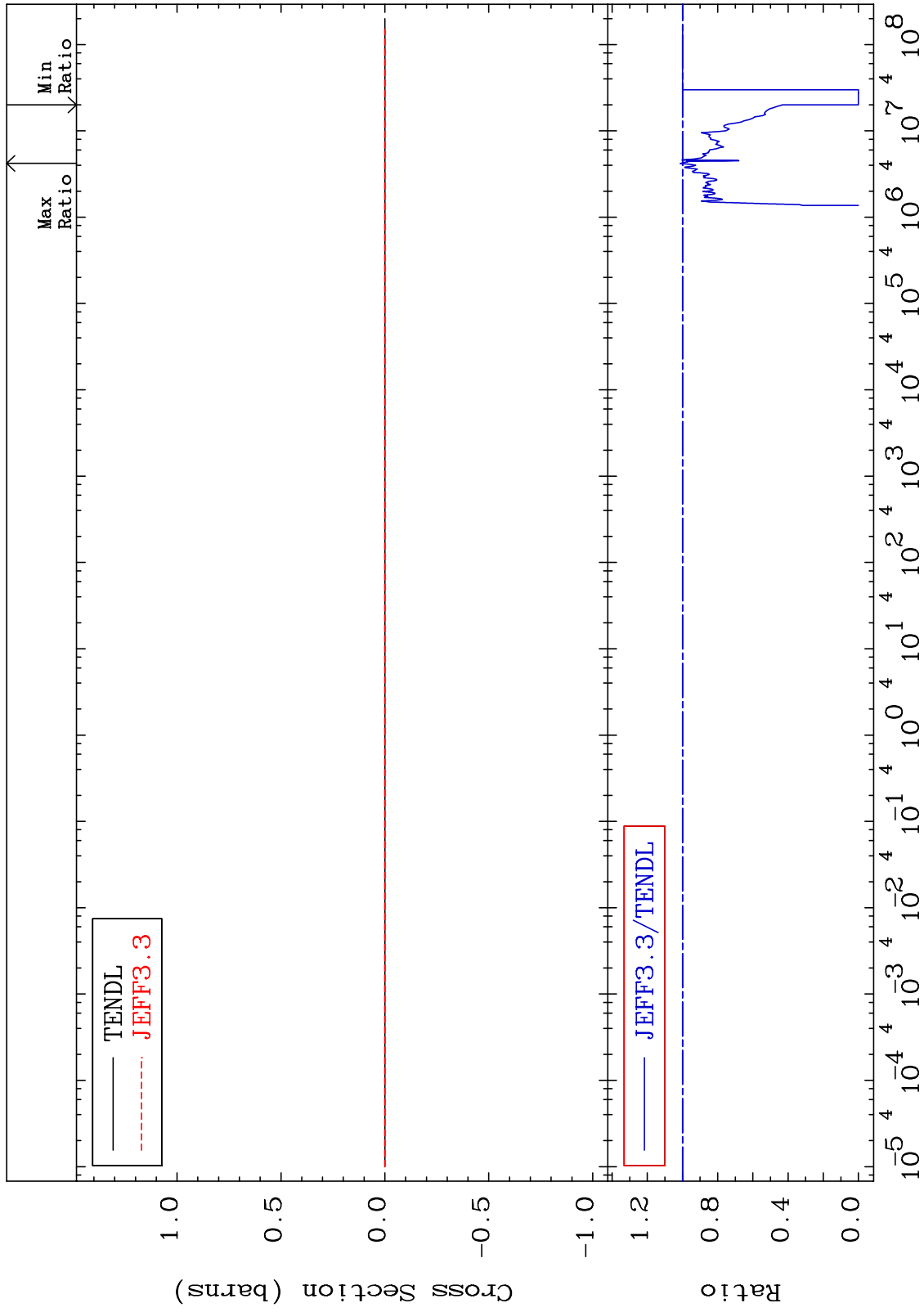
28-Ni-64  
-100.0 To 1.412 %



MAT 2843

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

28-Ni-64  
-100.0 To 1.412 %



23

Incident Energy (eV)

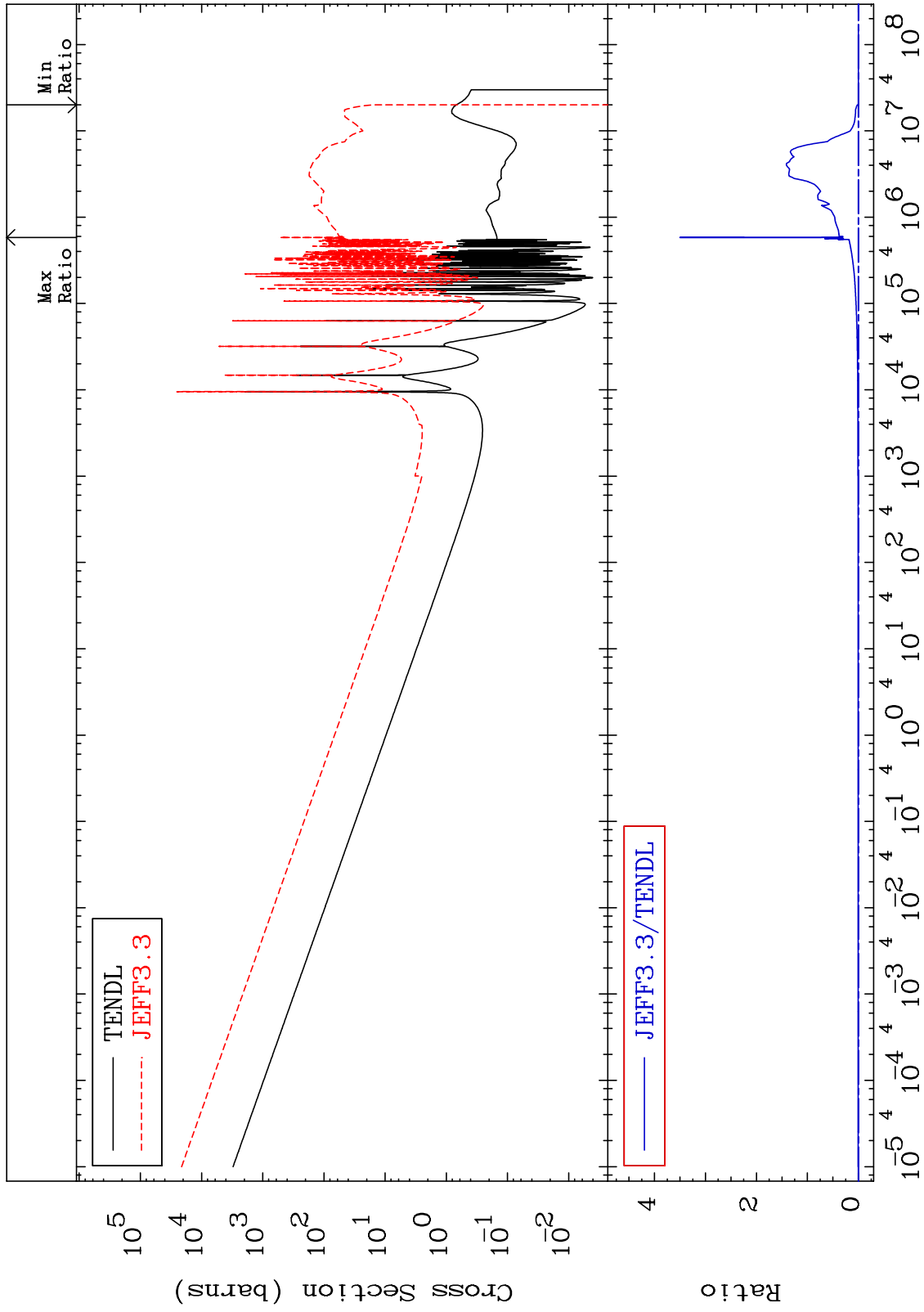
28-Ni-64



MAT 2843

Kerma capture (mt102)  
Cross Section

28-Ni-64  
-100.0 To 9999. %



24

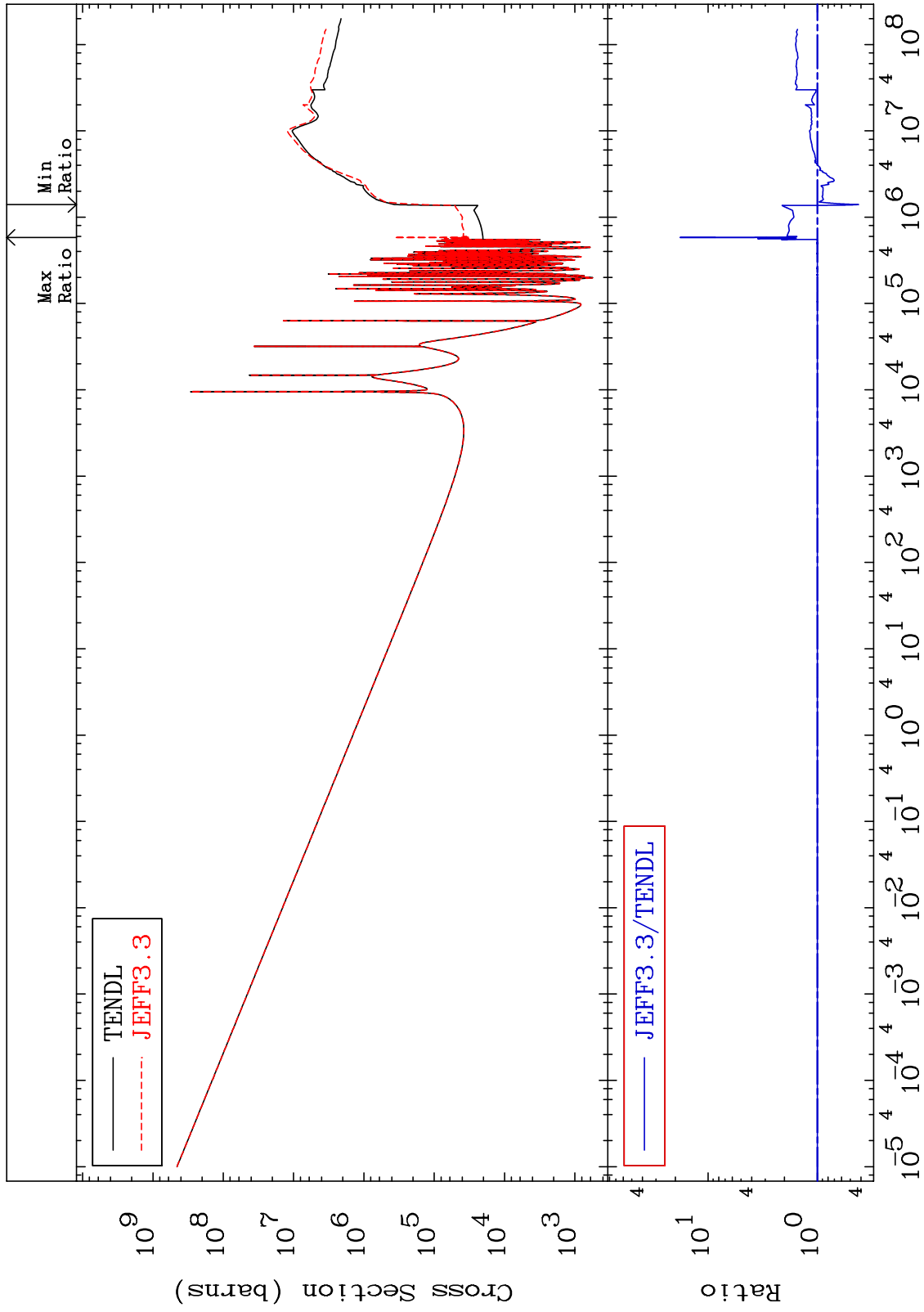
Incident Energy (eV)

28-Ni-64

MAT 2843

Total photon (eV-barns)  
Cross Section

28-Ni-64  
-57.87 To 1709. %



25

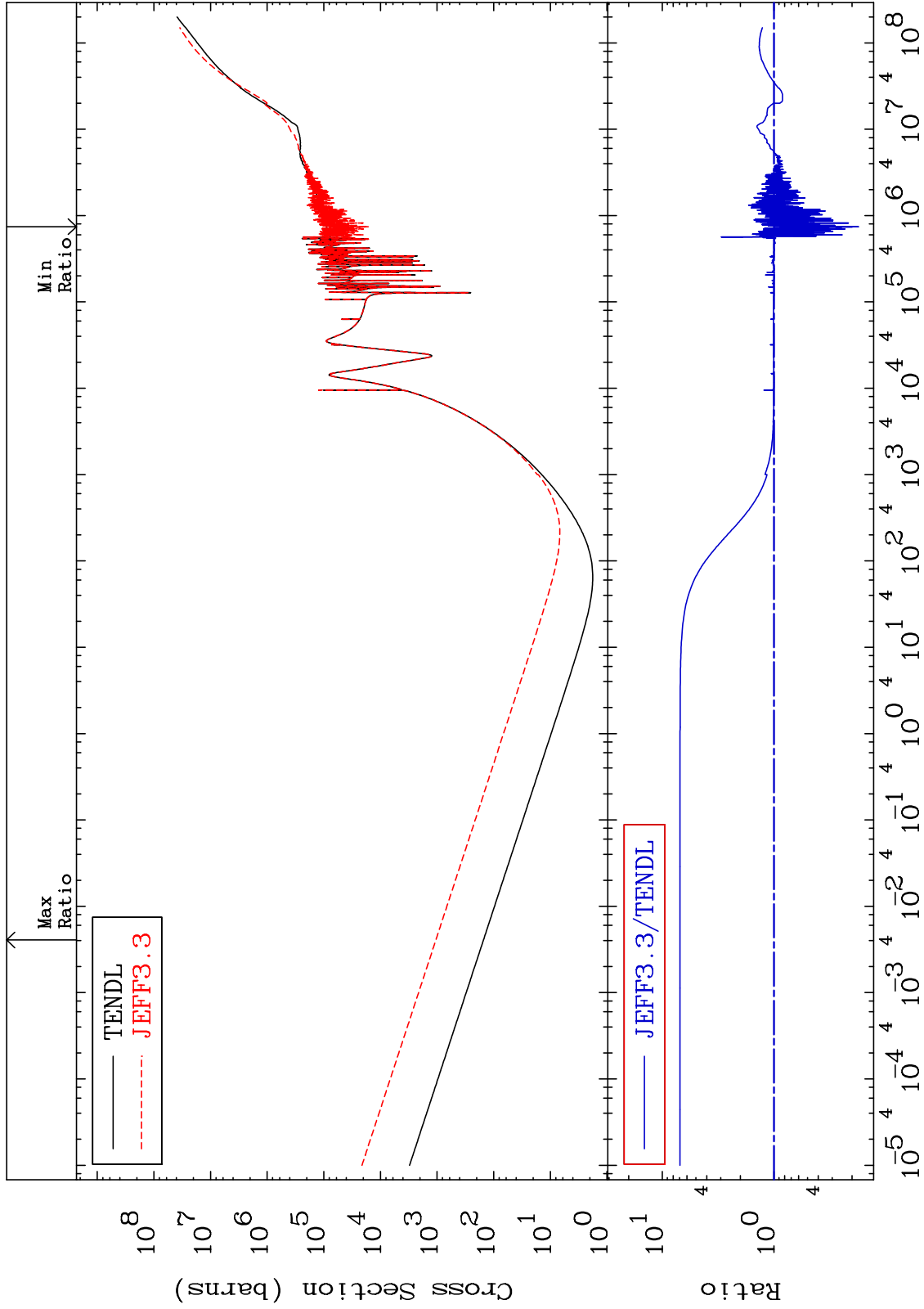
Incident Energy (eV)

28-Ni-64

MAT 2843

Total kinematic kerma (high limit)  
Cross Section

28-Ni-64  
-82.50 To 593.5 %



26

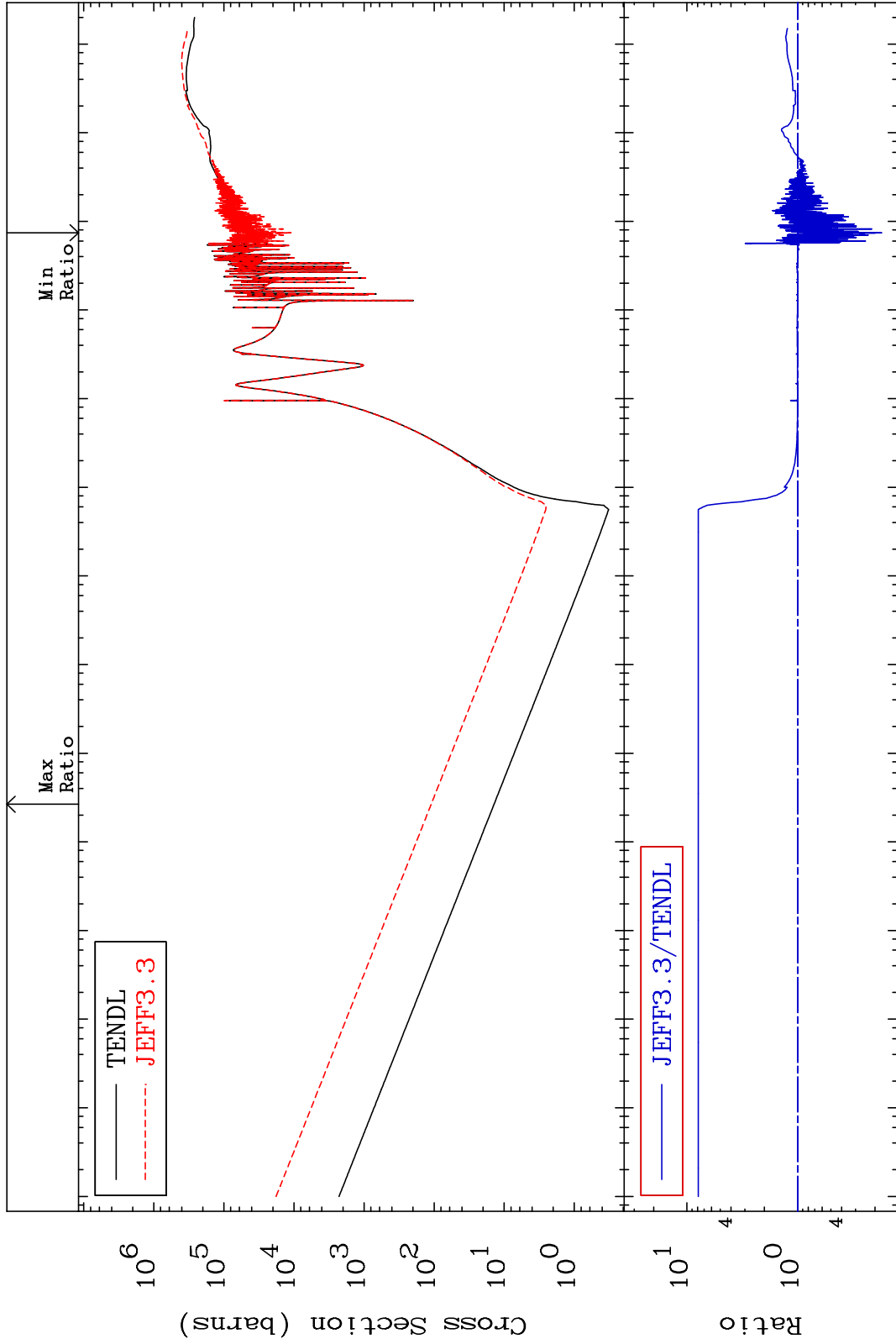
Incident Energy (eV)

28-Ni-64

MAT 2843

Dpa total (eV-barns)  
Cross Section

28-Ni-64  
-82.55 To 689.0 %



27

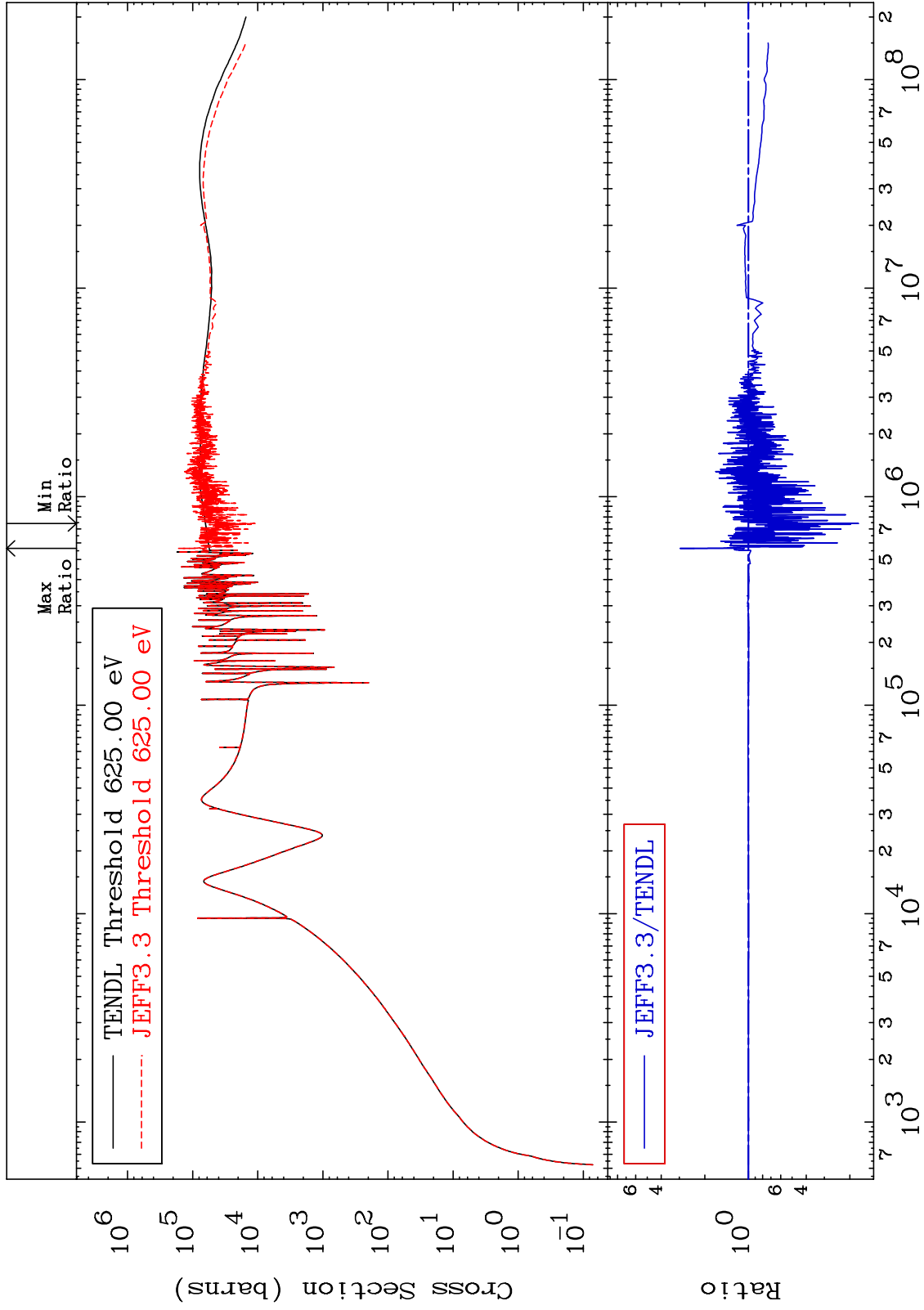
Incident Energy (eV)

28-Ni-64

MAT 2843

Dpa elastic (mt2)  
Cross Section

28-Ni-64  
-82.55 To 196.8 %



28

Incident Energy (eV)

28-Ni-64

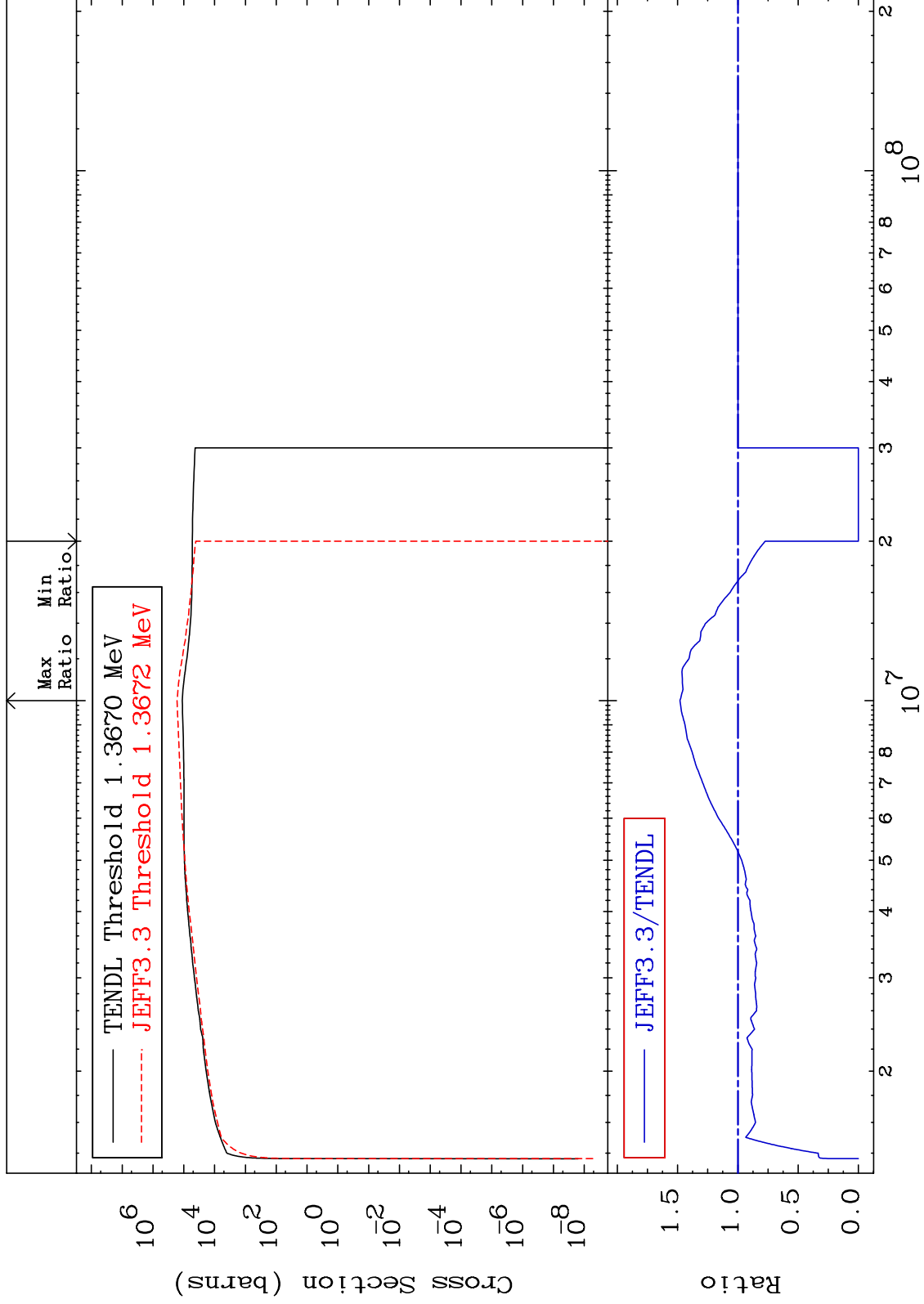
MAT 2843

Dpa inelastic (mt51-91)

28-Ni-64

-100.0 To 48.00 %

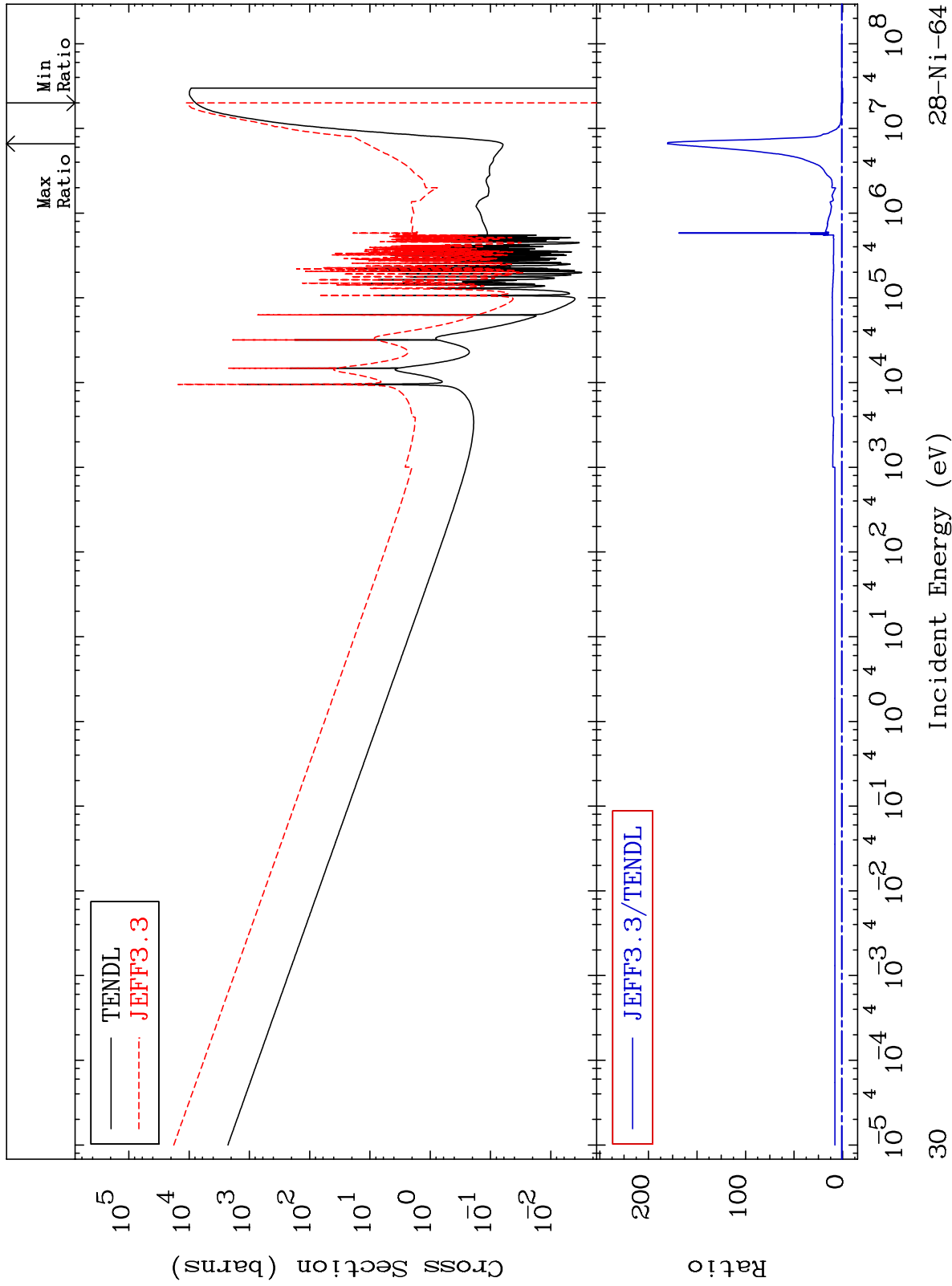
Cross Section



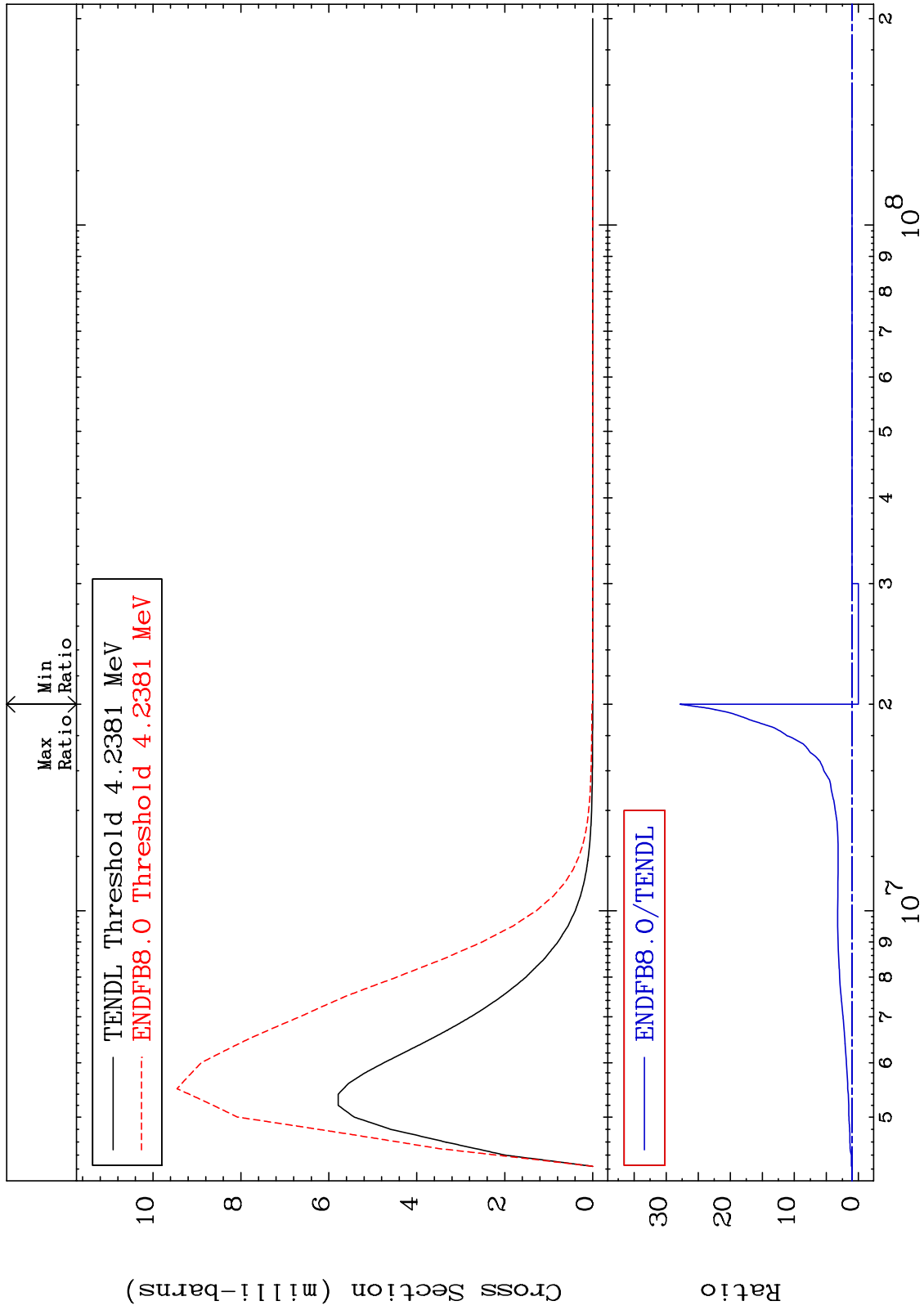
MAT 2843

Dpa disappearance (mt102 -120)  
Cross Section

28-Ni-64  
-100.0 To 9999. %



MAT 2843      MT= 73 (n,n') Level      28-Ni-64  
 Cross Section      -100.0 To 2684. %



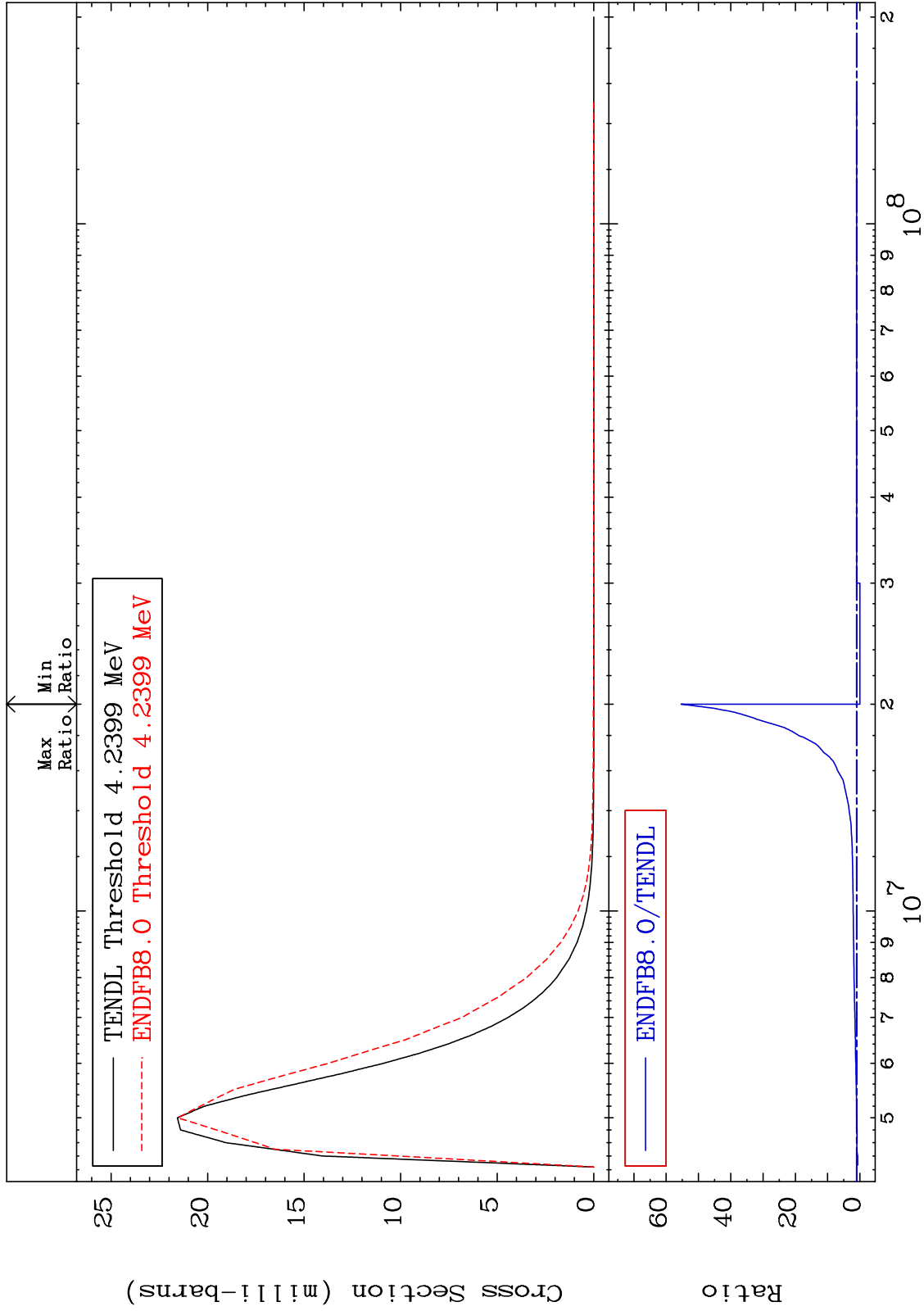
31      Incident Energy (eV)      28-Ni-64



MAT 2843

MT= 74 (n,n') Level  
Cross Section

28-Ni-64  
-100.0 To 5434. %



32

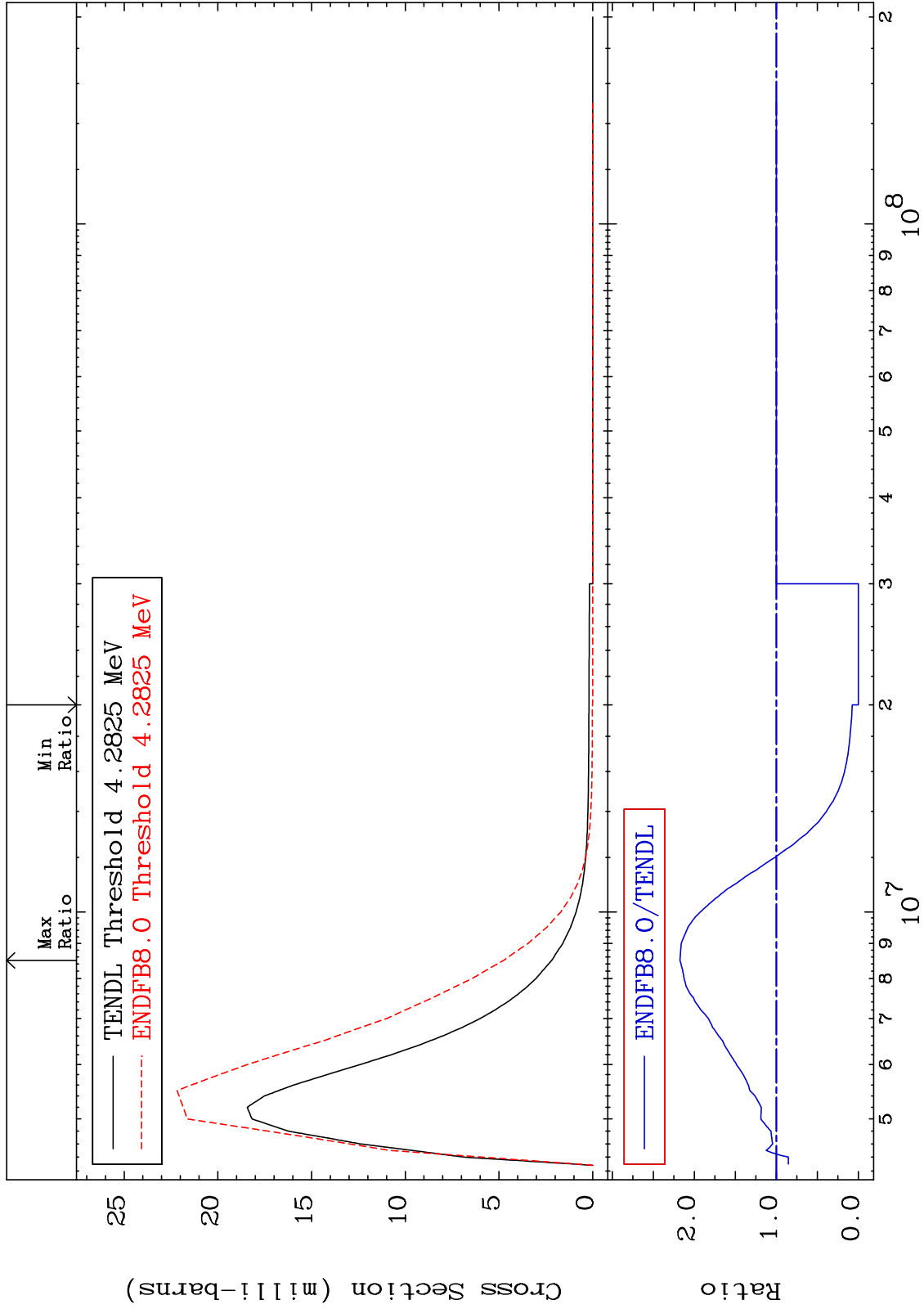
Incident Energy (eV)

28-Ni-64

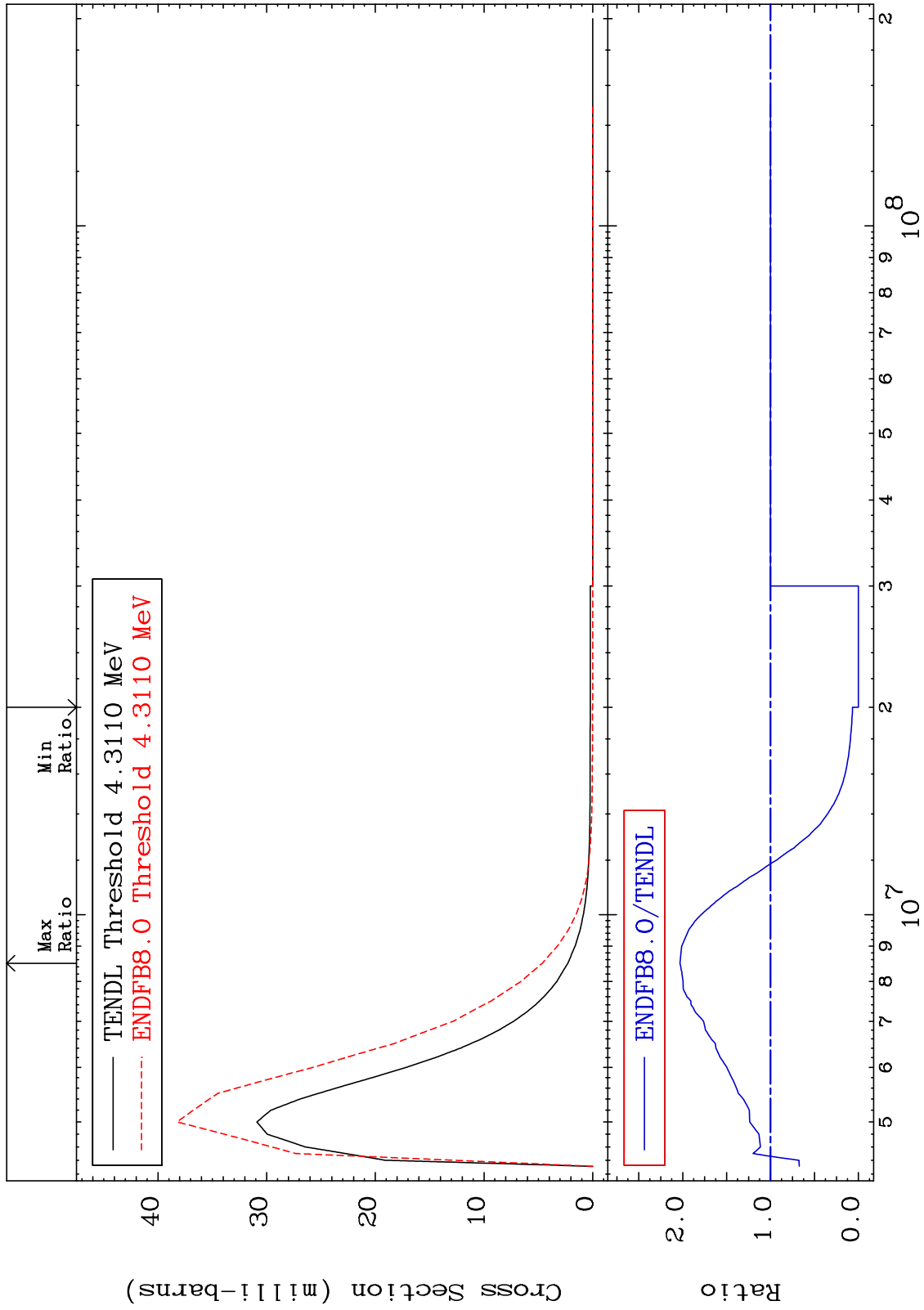
MAT 2843

MT= 75 (n,n') Level  
Cross Section

28-Ni-64  
-100.0 To 117.5 %



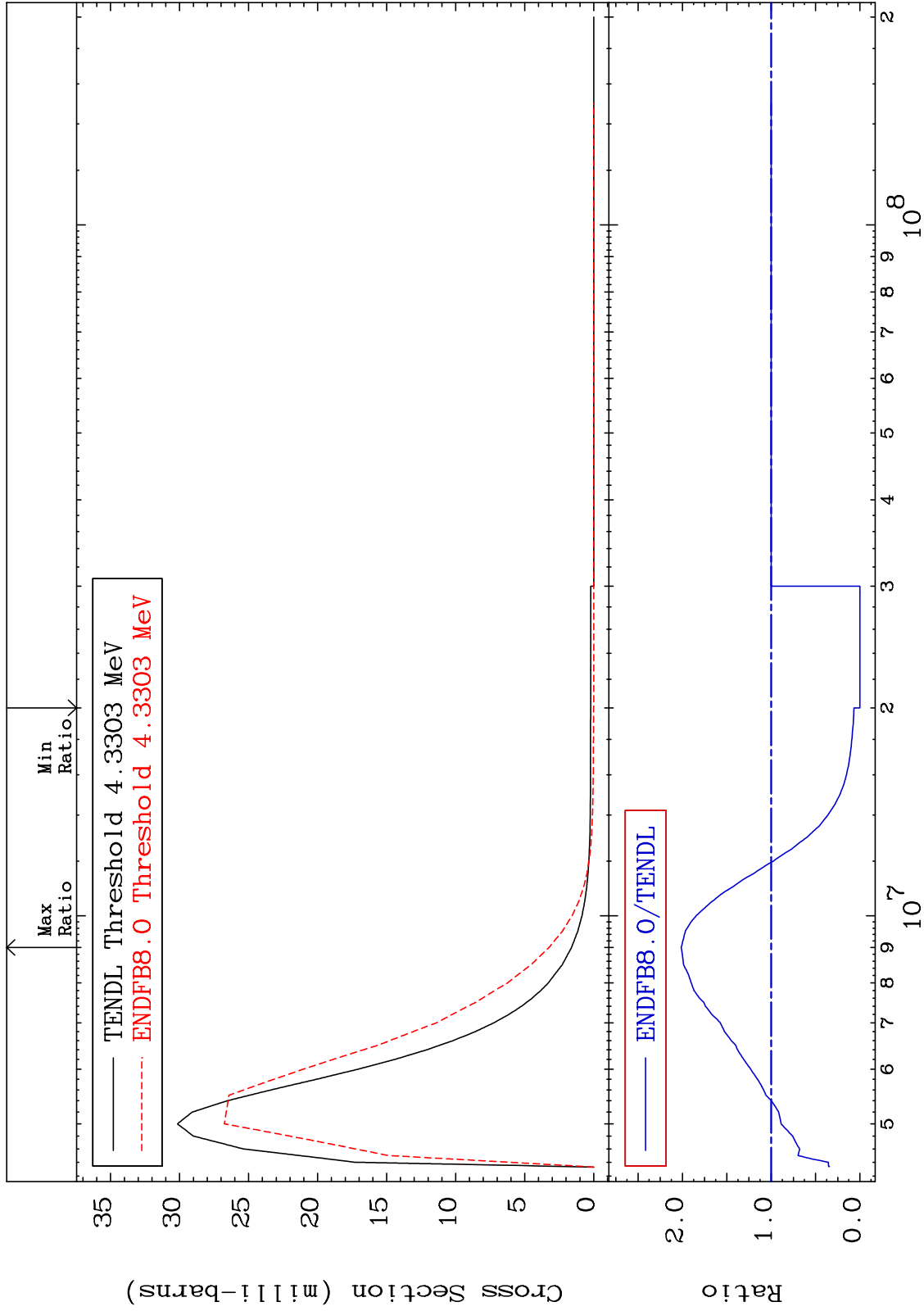
MAT 2843      MT= 76 (n,n') Level      28-Ni-64  
 Cross Section      -100.0 To 103.1 %



MAT 2843

MT= 77 (n,n') Level  
Cross Section

28-Ni-64  
-100.0 To 101.3 %

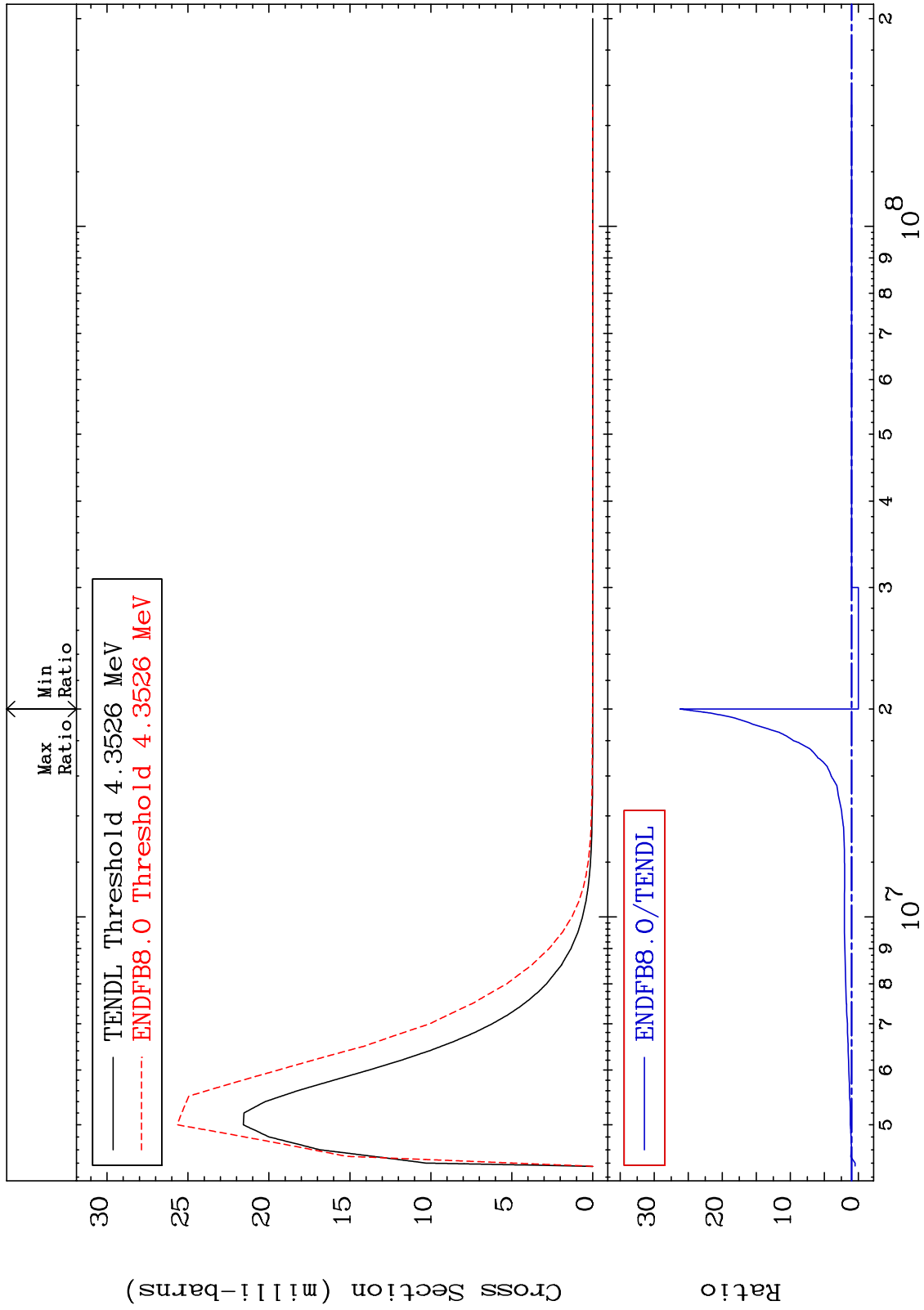


35

Incident Energy (eV)

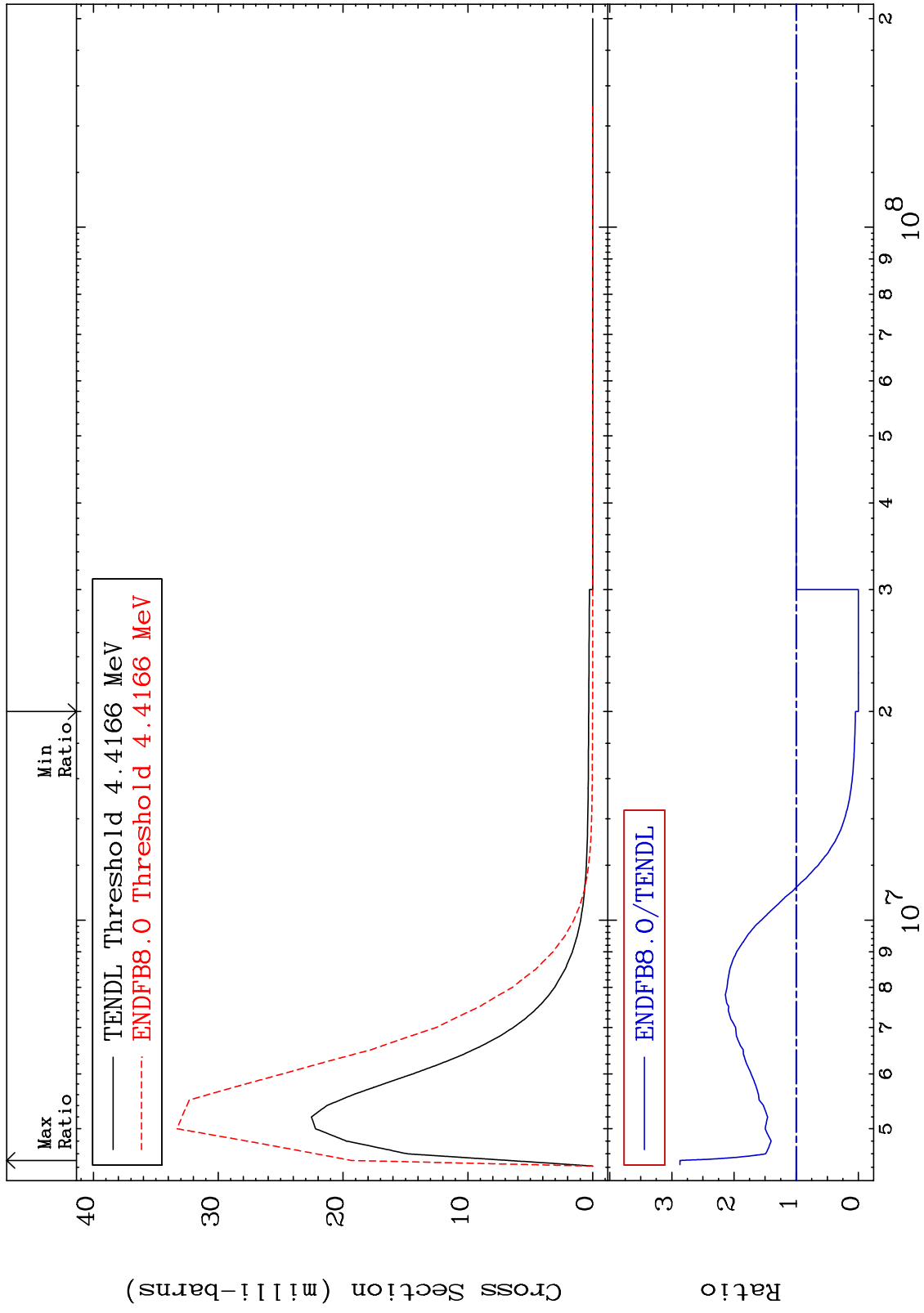
28-Ni-64

MAT 2843      MT= 78 (n,n') Level      28-Ni-64  
 Cross Section      -100.0 To 2522. %



36      Incident Energy (eV)      28-Ni-64

MAT 2843      MT= 79 (n,n') Level      28-Ni-64  
 Cross Section      -100.0 To 186.8 %

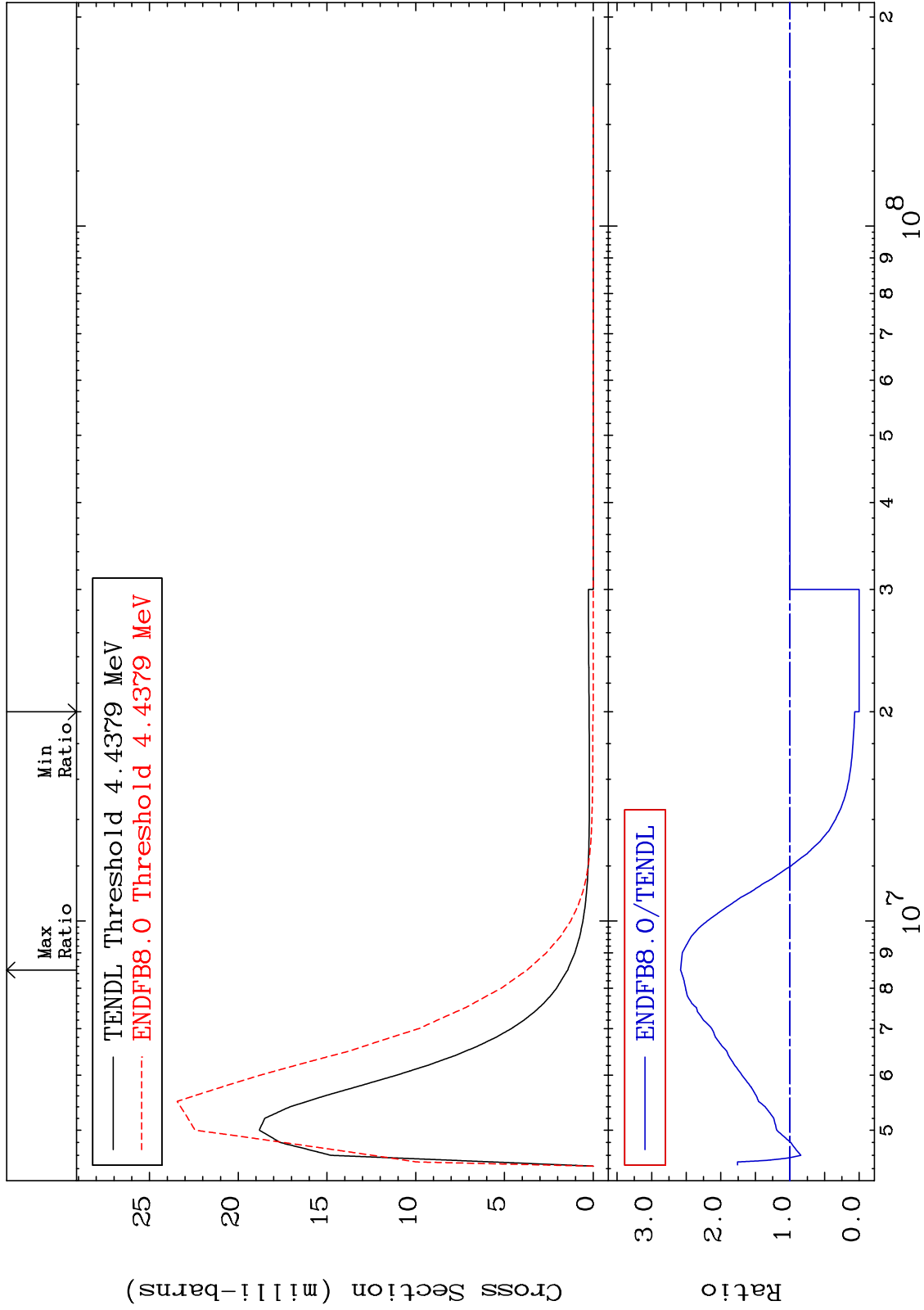


37      Incident Energy (eV)      28-Ni-64

MAT 2843

MT= 80 (n,n') Level  
Cross Section

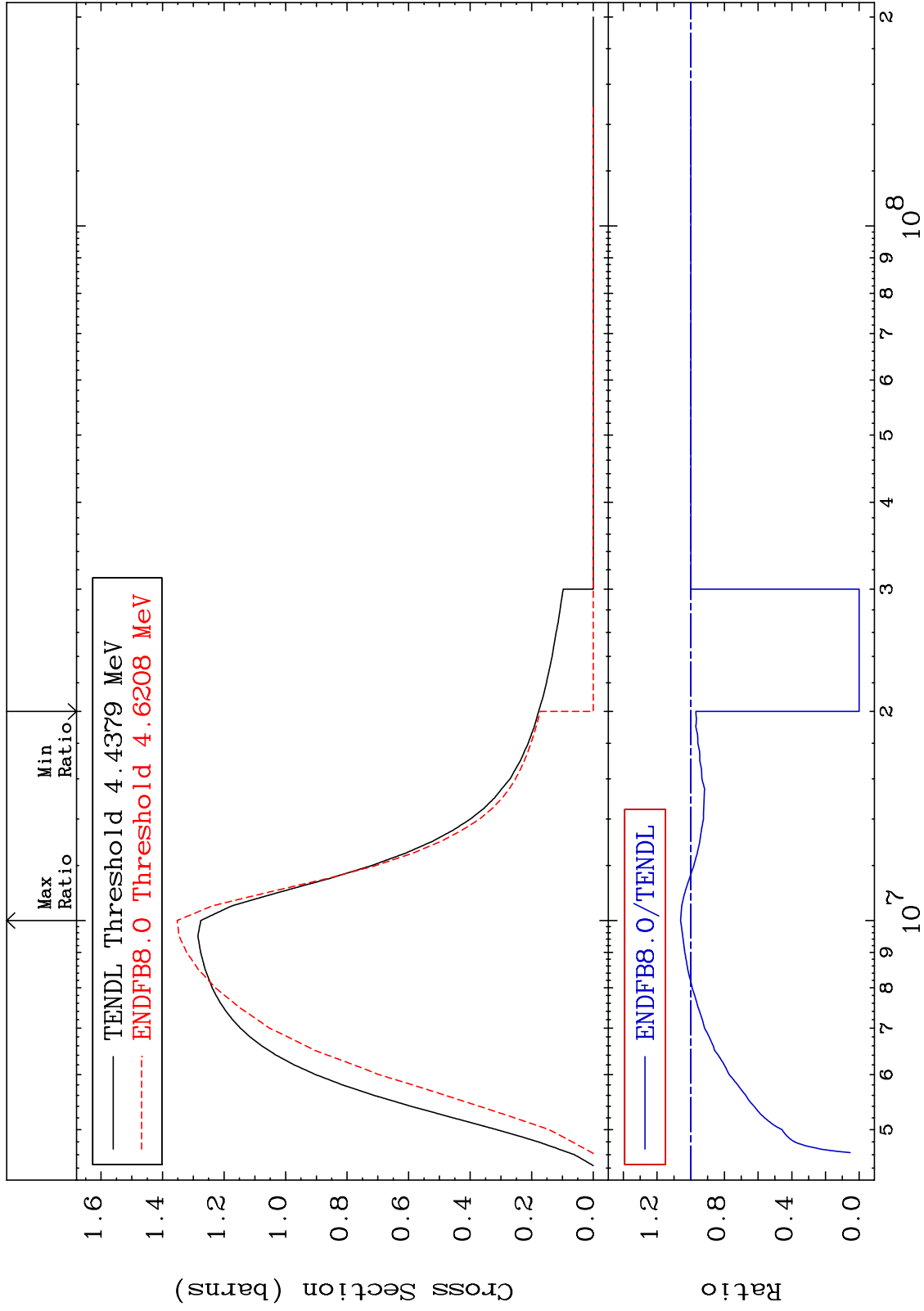
28-Ni-64  
-100.0 To 158.1 %



MAT 2843

(n, n') Continuum  
Cross Section

28-Ni-64  
-100.0 To 6.016 %





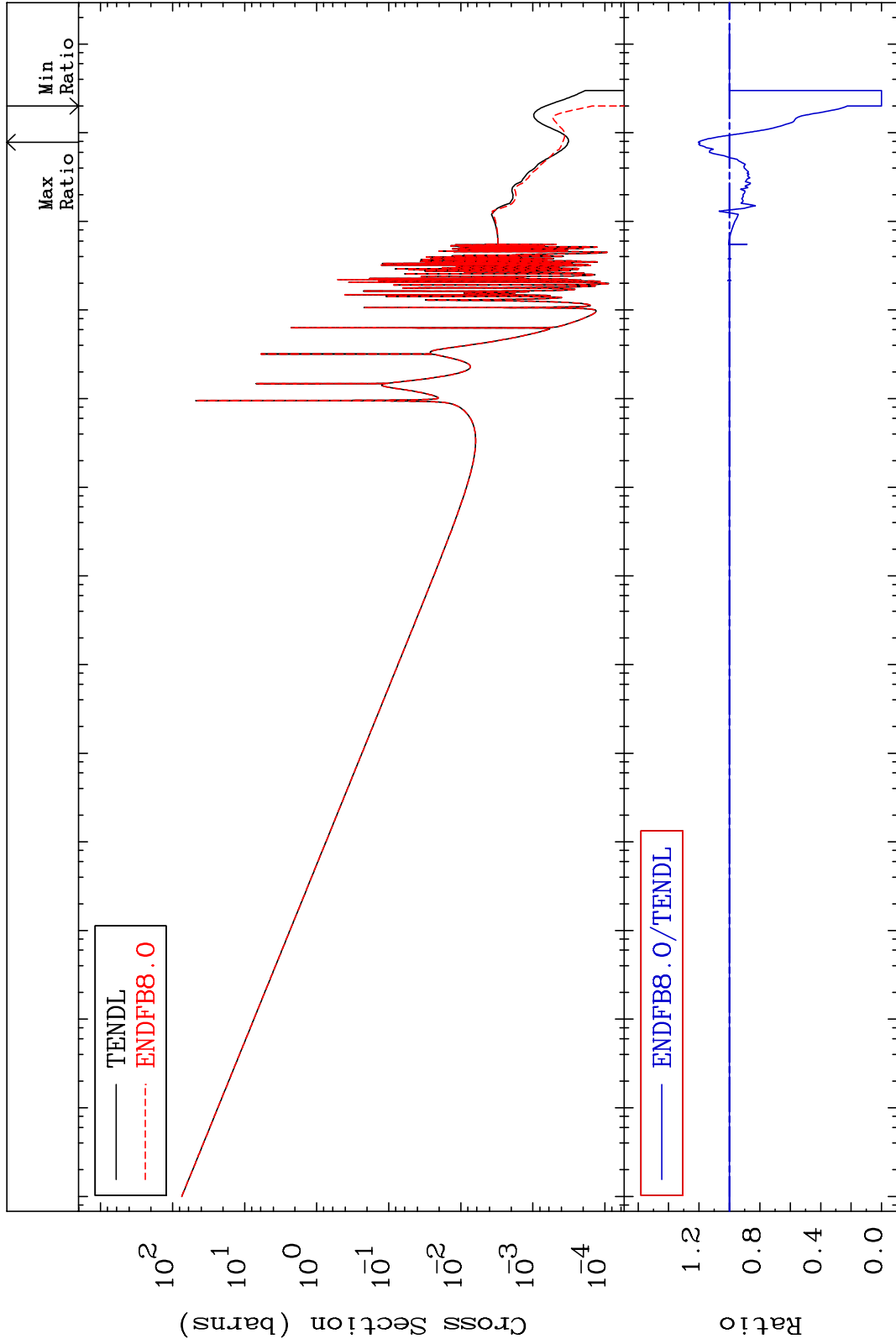
MAT 2843

(n,  $\gamma$ )

28-Ni-64

Cross Section

-100.0 To 20.44 %



Incident Energy (eV)

28-Ni-64

40

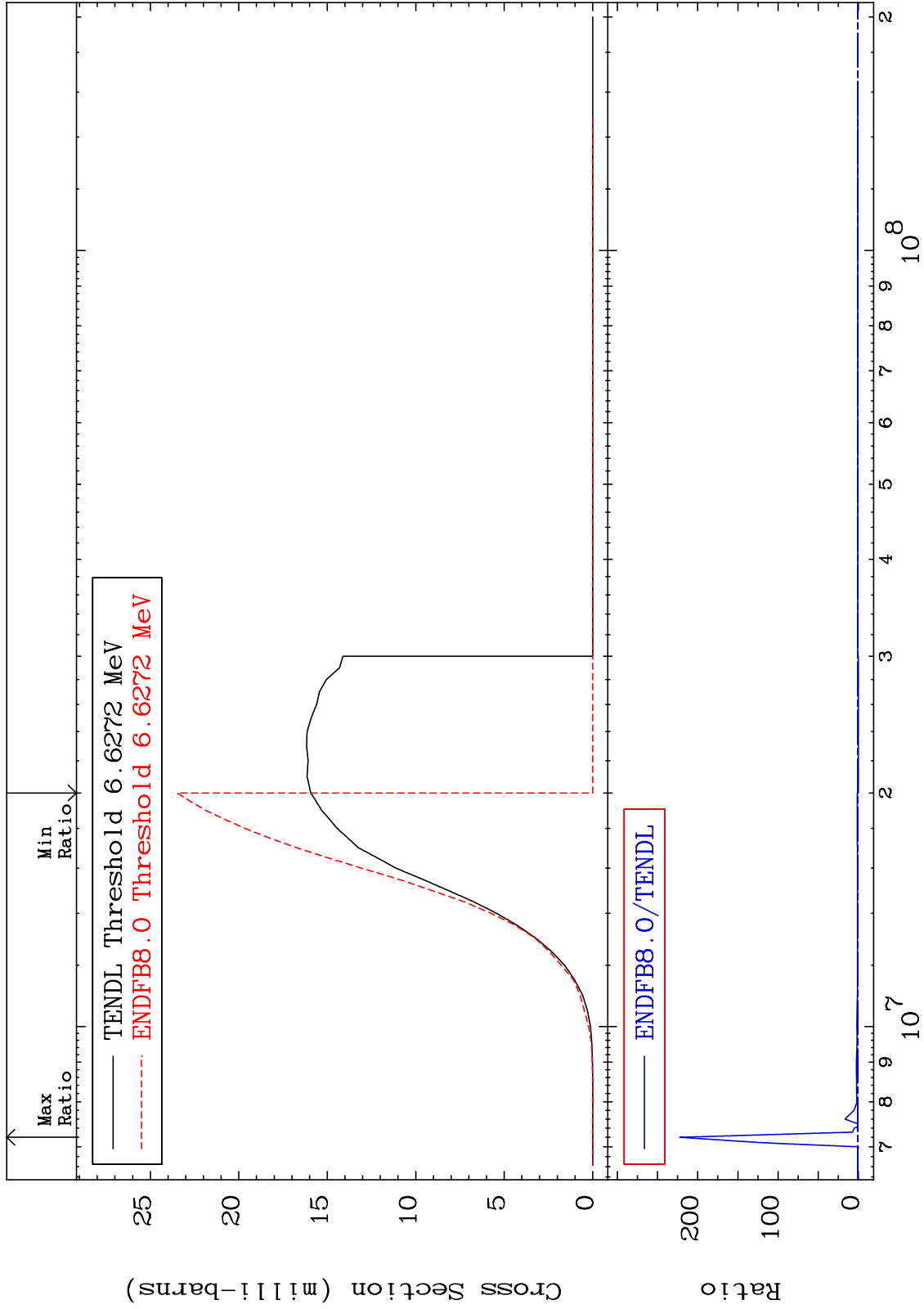
MAT 2843

(n,p)

<sup>28</sup>Ni-64

Cross Section

-100.0 To 9999. %



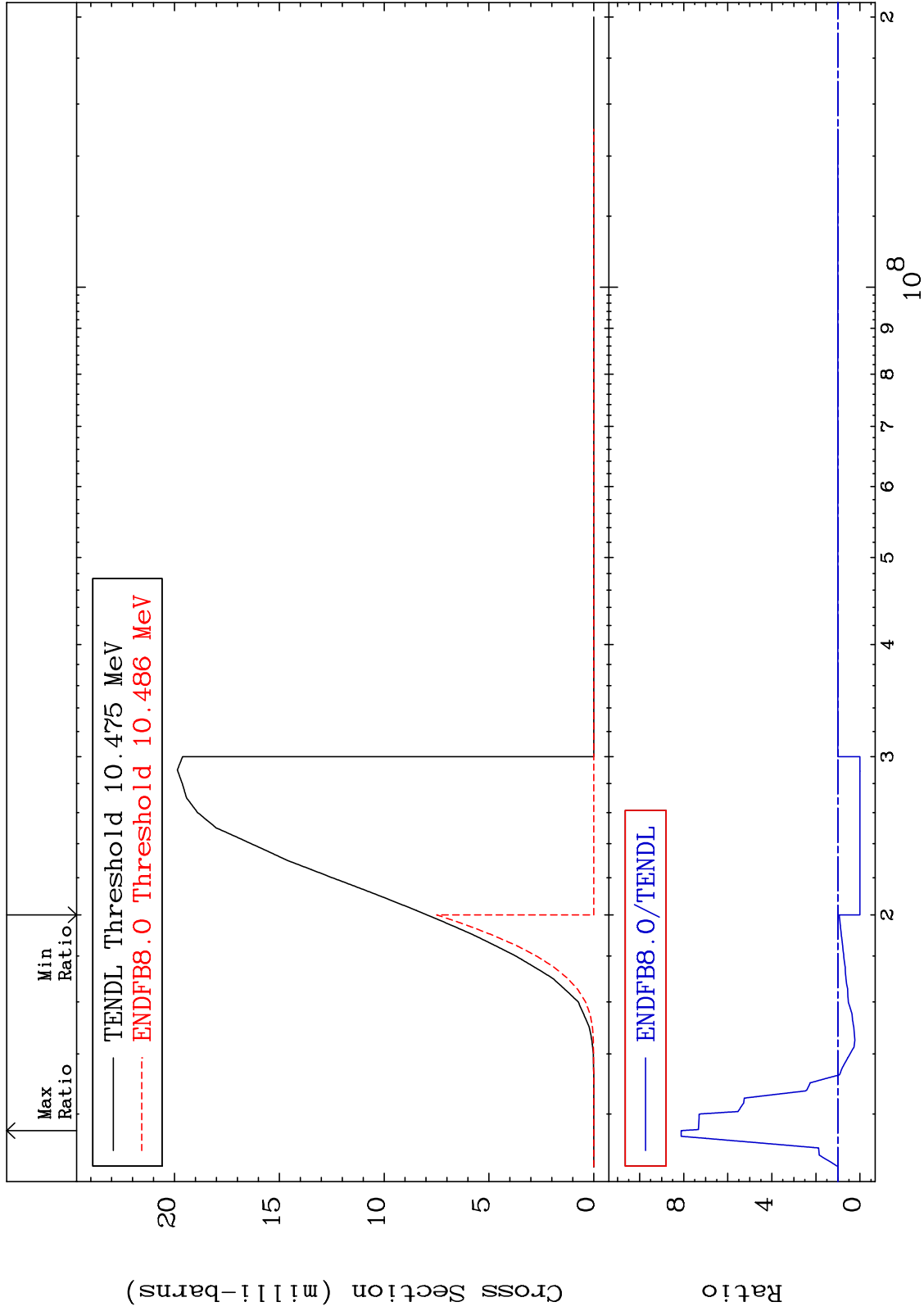
MAT 2843

(n,d)

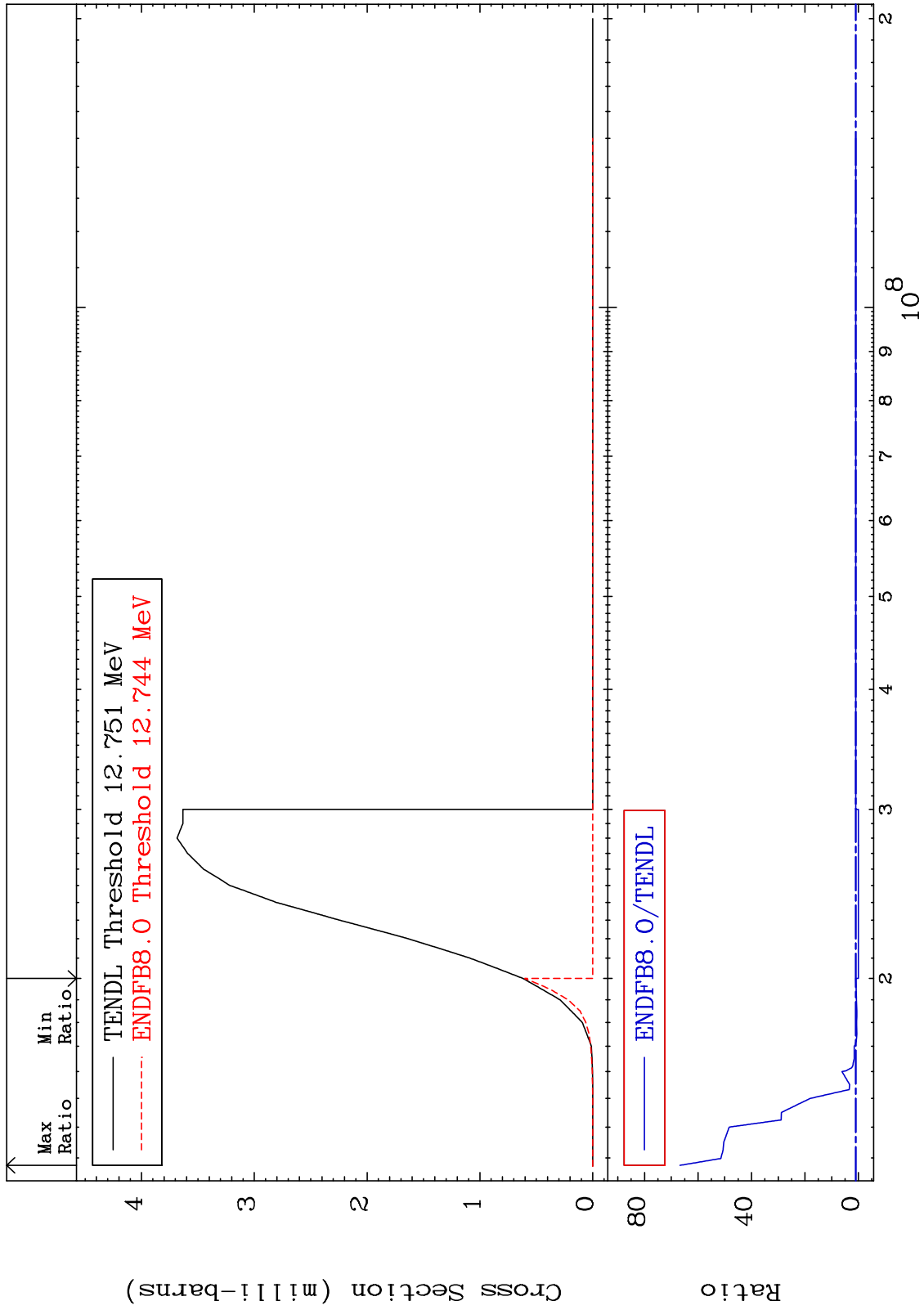
<sup>28</sup>Ni-64

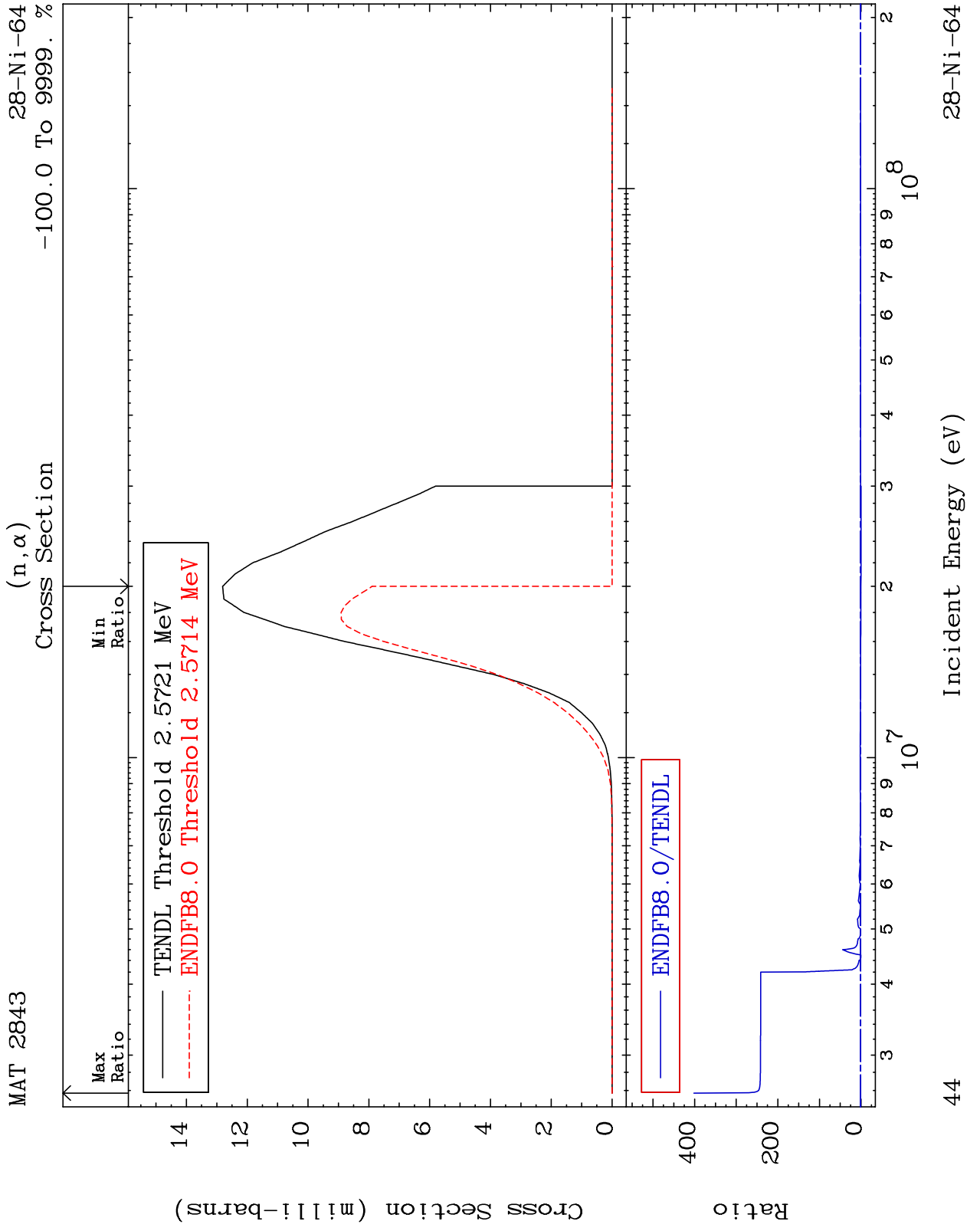
Cross Section

-100.0 To 711.2 %



MAT 2843 (n, t) Cross Section 28-Ni-64 -100.0 To 6573. %

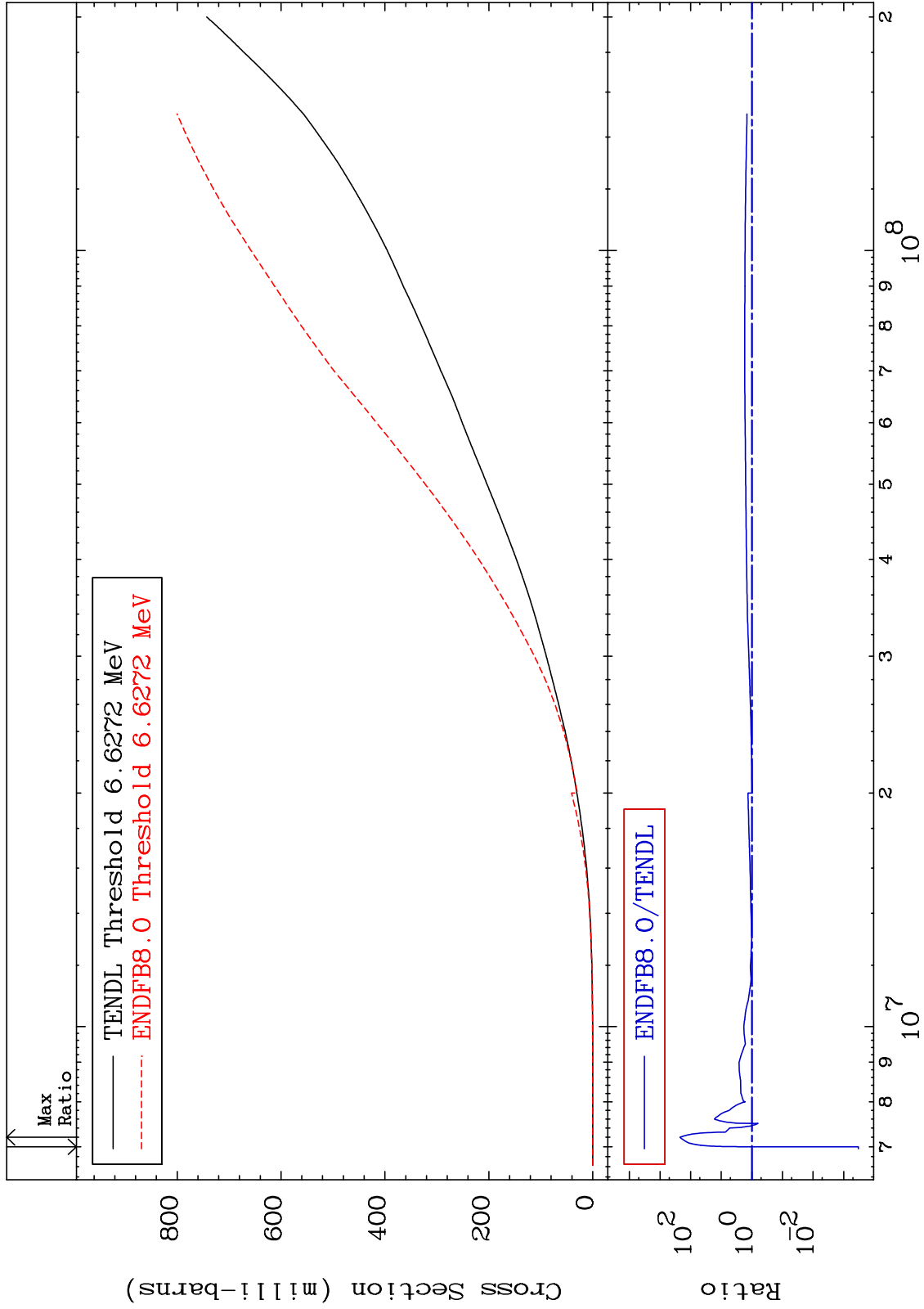




MAT 2843

Hydrogen Production  
Cross Section

<sup>28</sup>Ni-64  
-99.97 To 9999. %



45

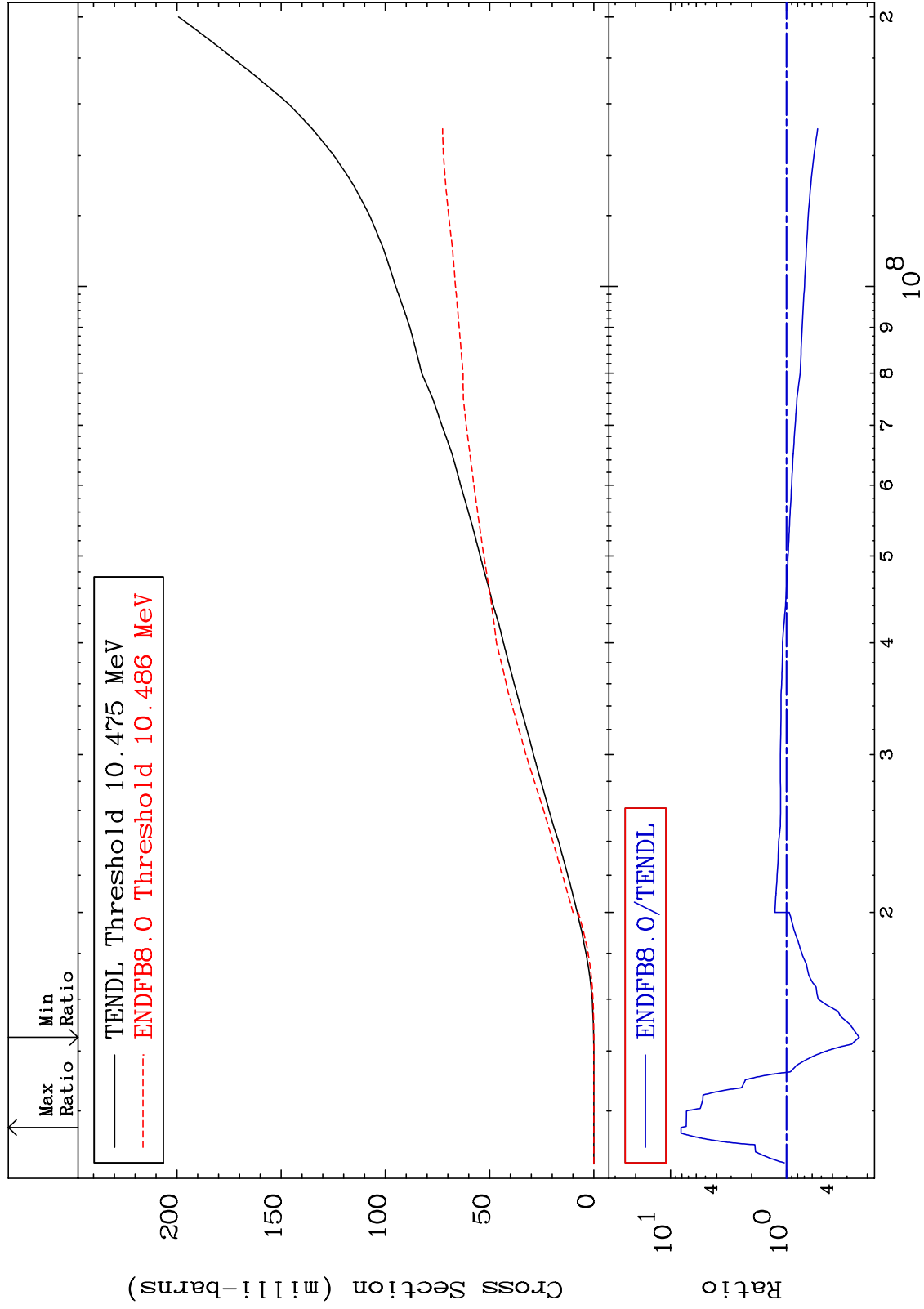
Incident Energy (eV)

<sup>28</sup>Ni-64

MAT 2843

Deuterium Production  
Cross Section

$^{28}\text{Ni-64}$   
-76.53 To 711.2 %

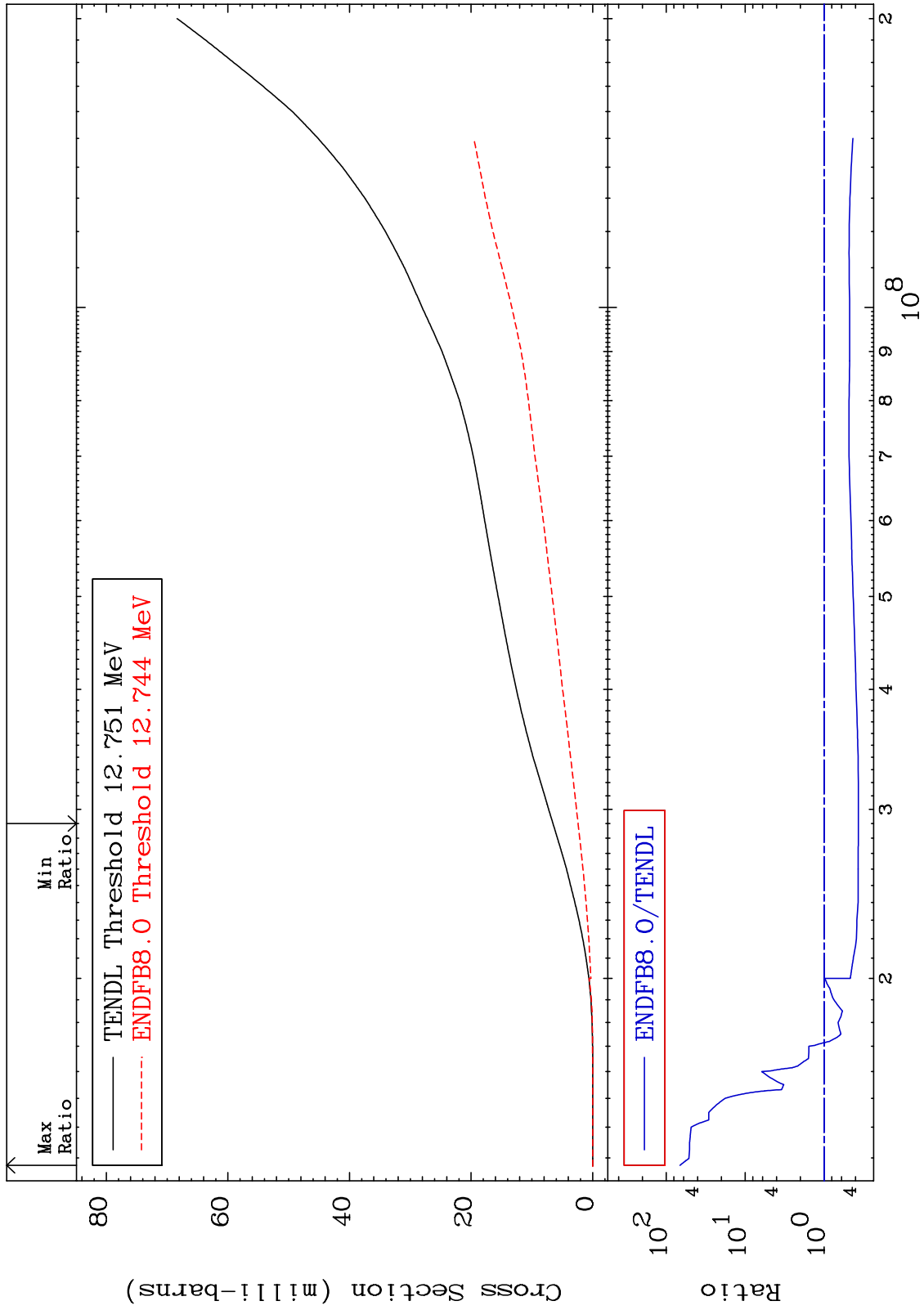


46

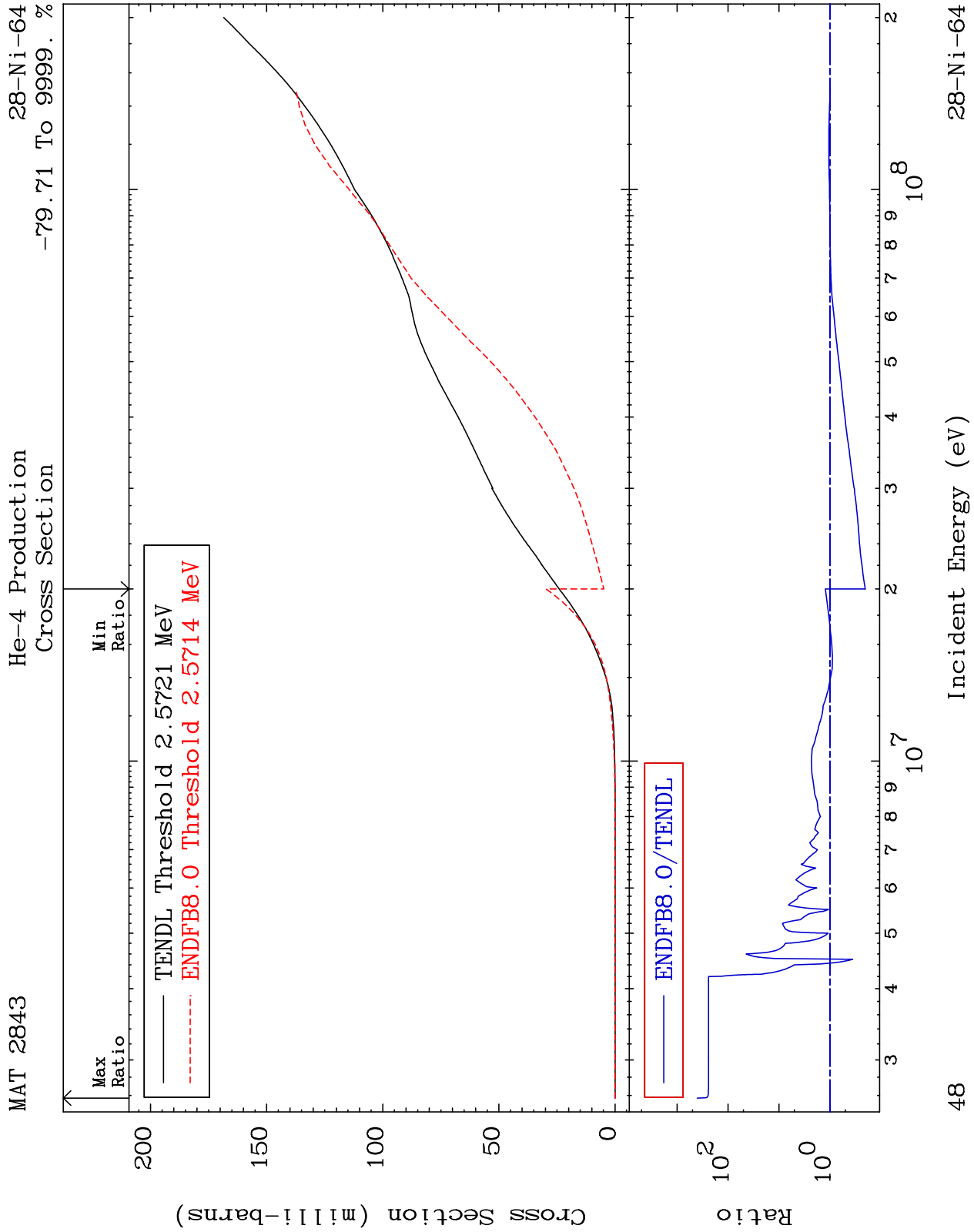
Incident Energy (eV)

$^{28}\text{Ni-64}$

MAT 2843 Tritium Production Cross Section 28-Ni-64 -63.25 To 6573. %



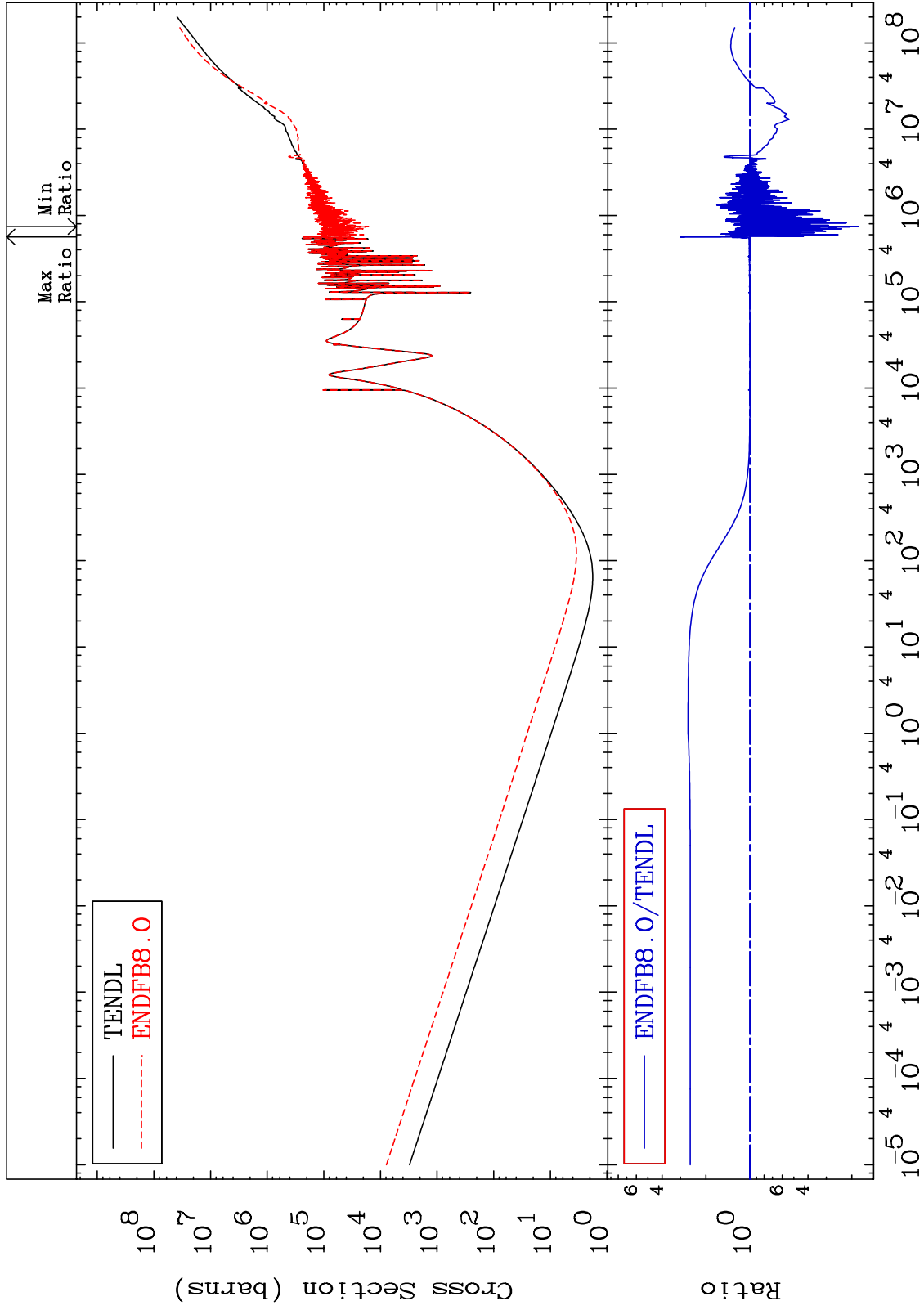




MAT 2843

Kerma total (eV-barns)  
Cross Section

28-Ni-64  
-81.95 To 201.4 %



49

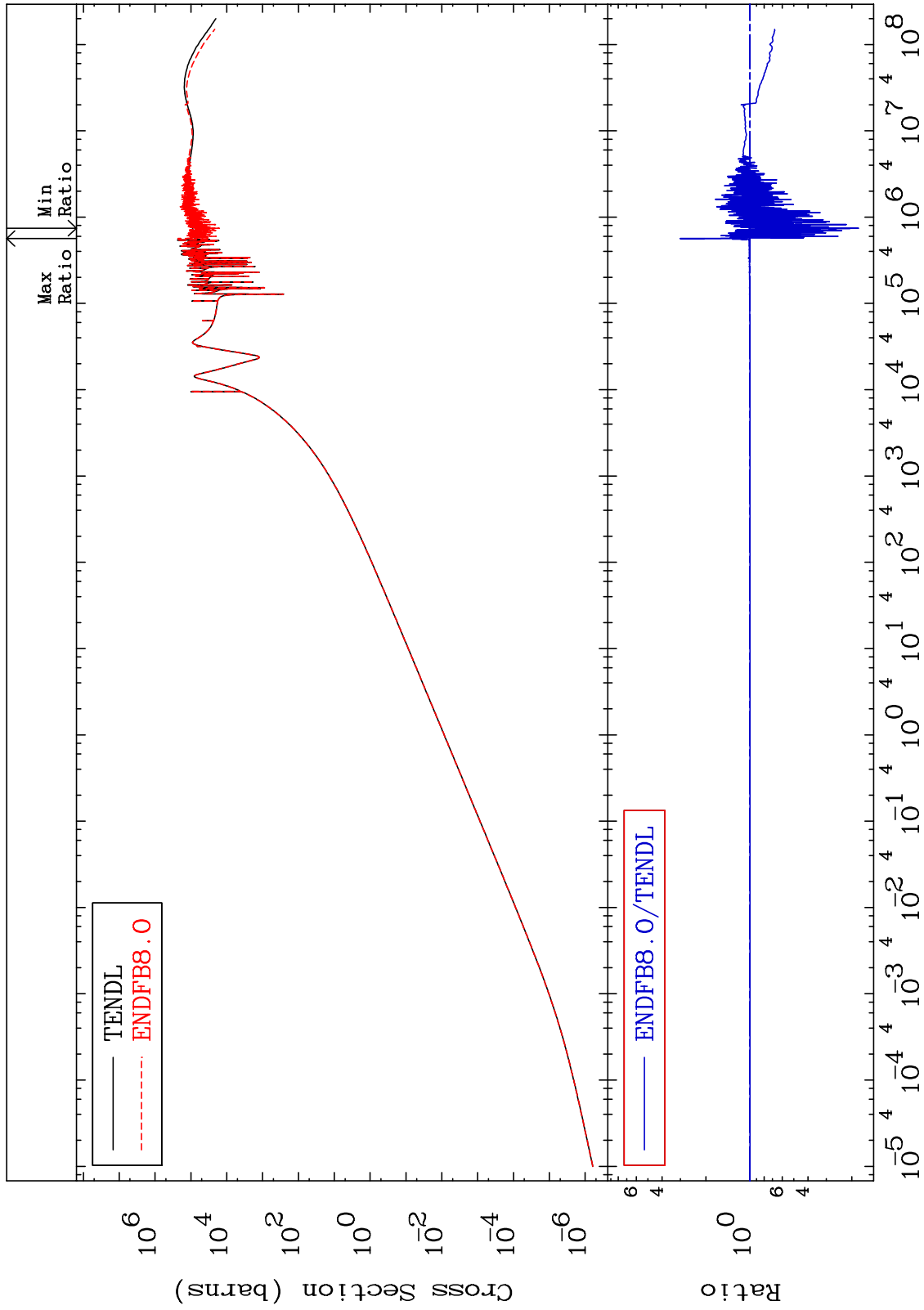
Incident Energy (eV)

28-Ni-64

MAT 2843

Kerma elastic  
Cross Section

28-Ni-64  
-81.95 To 201.4 %



50

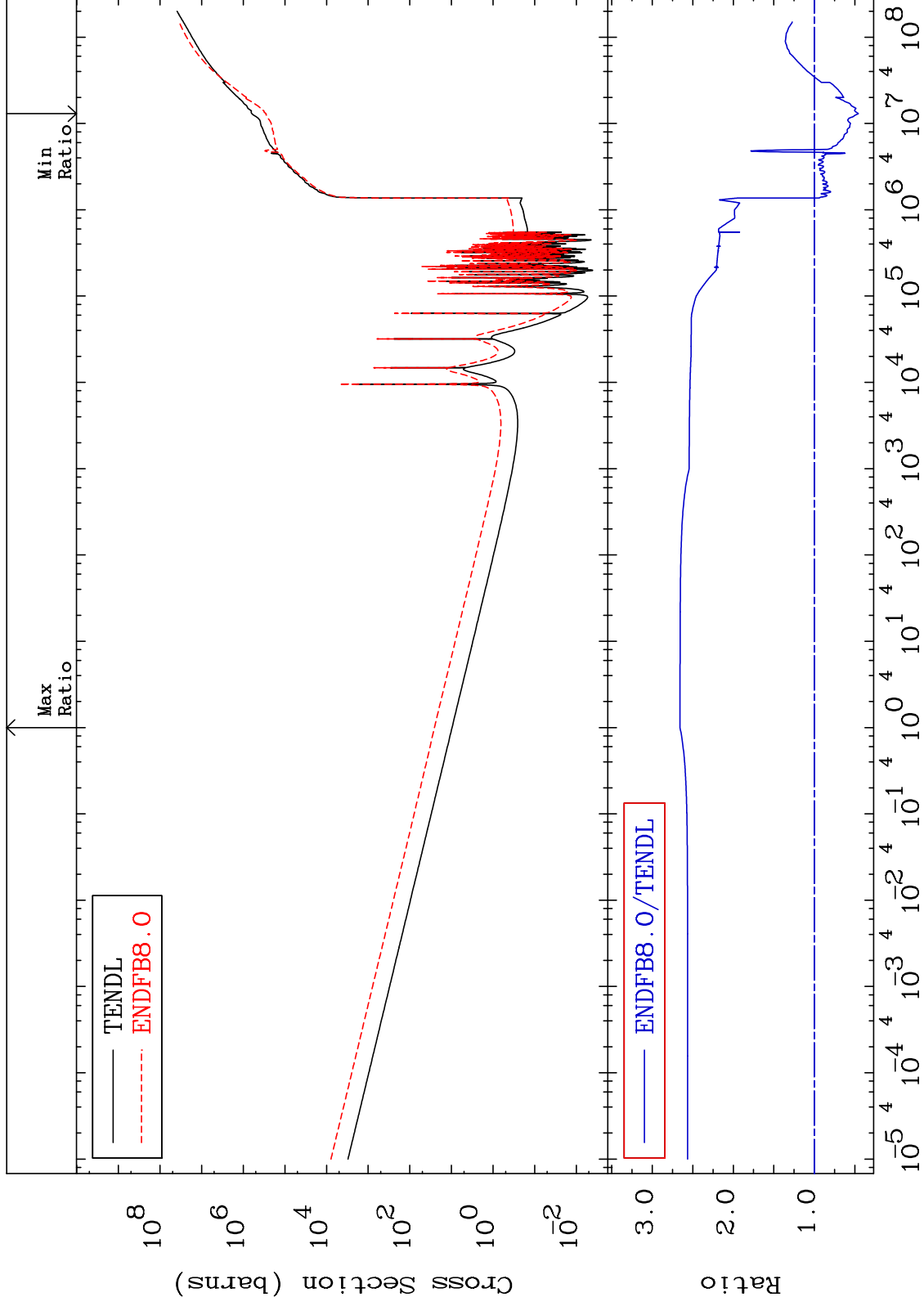
Incident Energy (eV)

28-Ni-64

MAT 2843

Kerma non-elastic (all but mt2)  
Cross Section

28-Ni-64  
-54.41 To 165.7 %



51

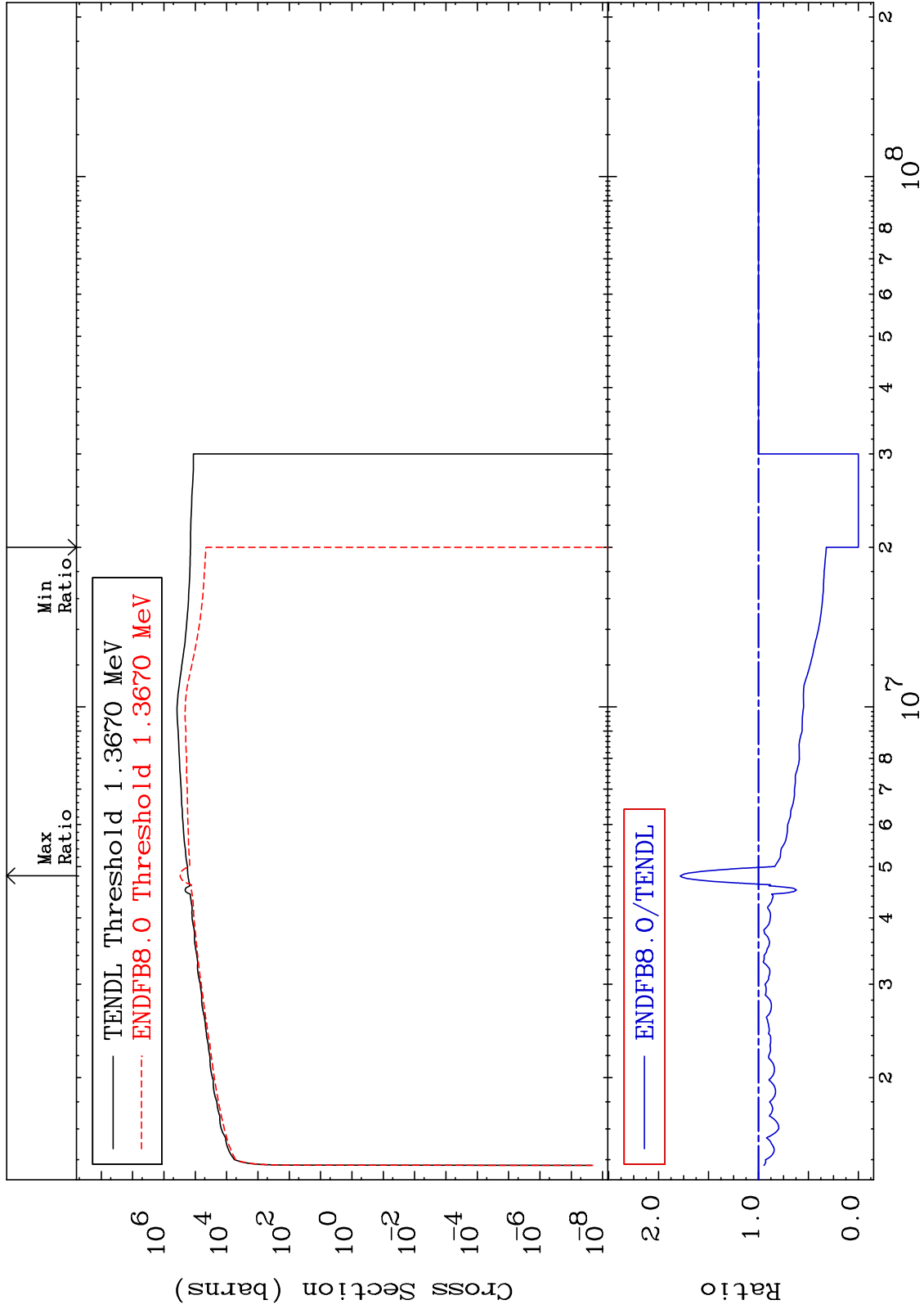
Incident Energy (eV)

28-Ni-64

MAT 2843

Kerma inelastic (mt51-91)  
Cross Section

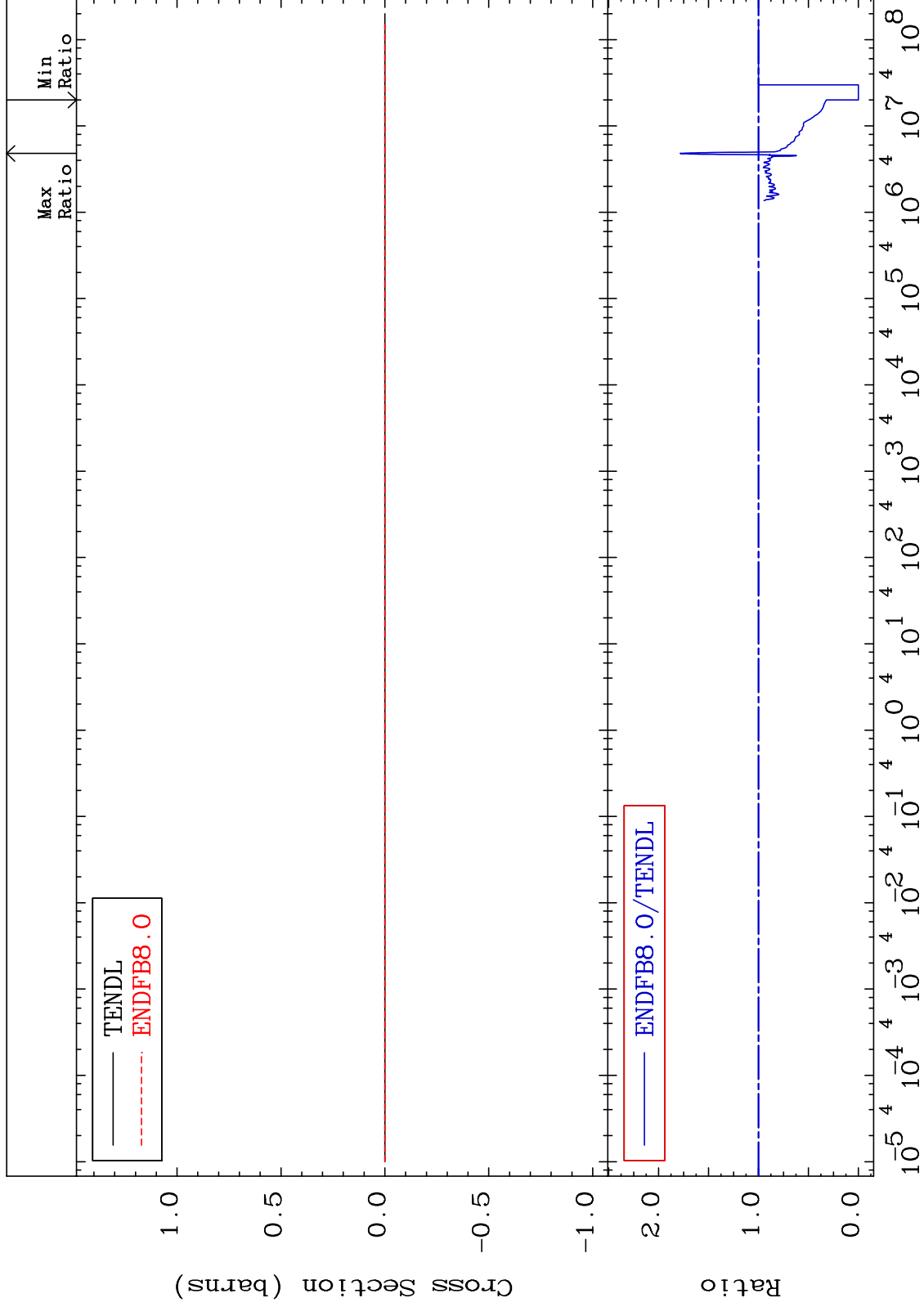
28-Ni-64  
-100.0 To 78.56 %



MAT 2843

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

28-Ni-64  
-100.0 To 78.56 %



53

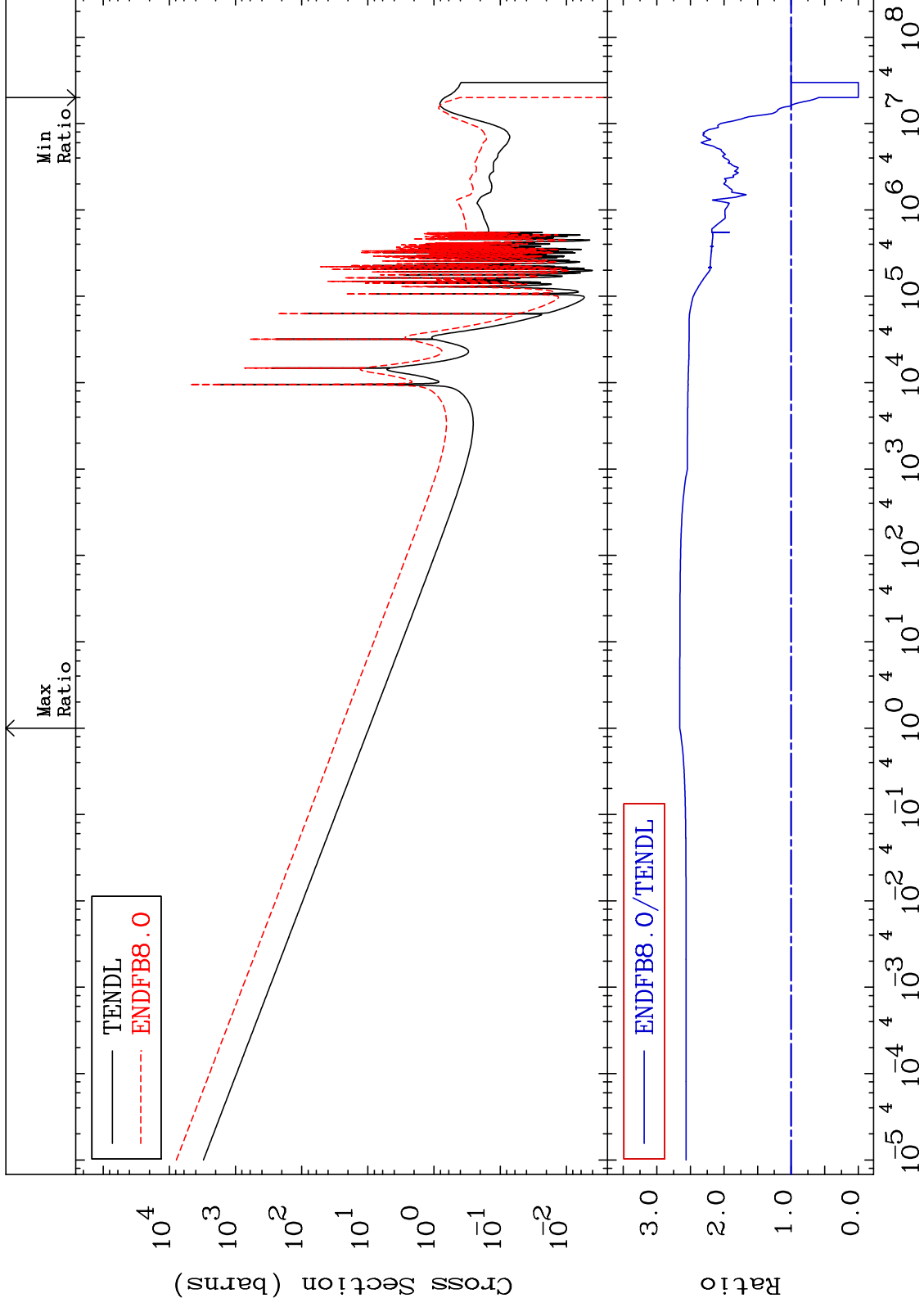
Incident Energy (eV)

28-Ni-64

MAT 2843

Kerma capture (mt102)  
Cross Section

28-Ni-64  
-100.0 To 165.7 %



54

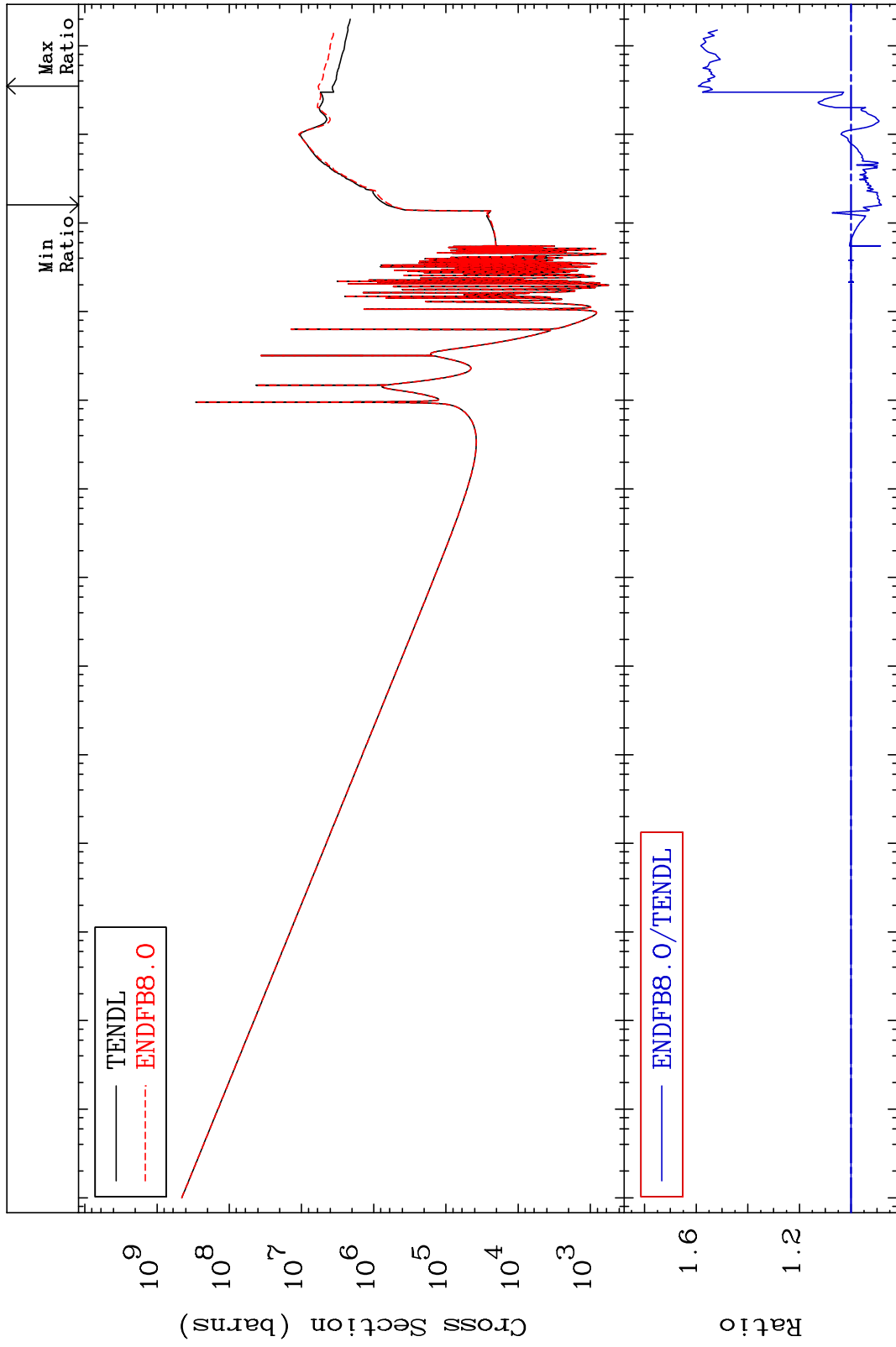
Incident Energy (eV)

28-Ni-64

MAT 2843

Total photon (eV-barns)  
Cross Section

28-Ni-64  
-11.79 To 59.16 %



55

Incident Energy (eV)

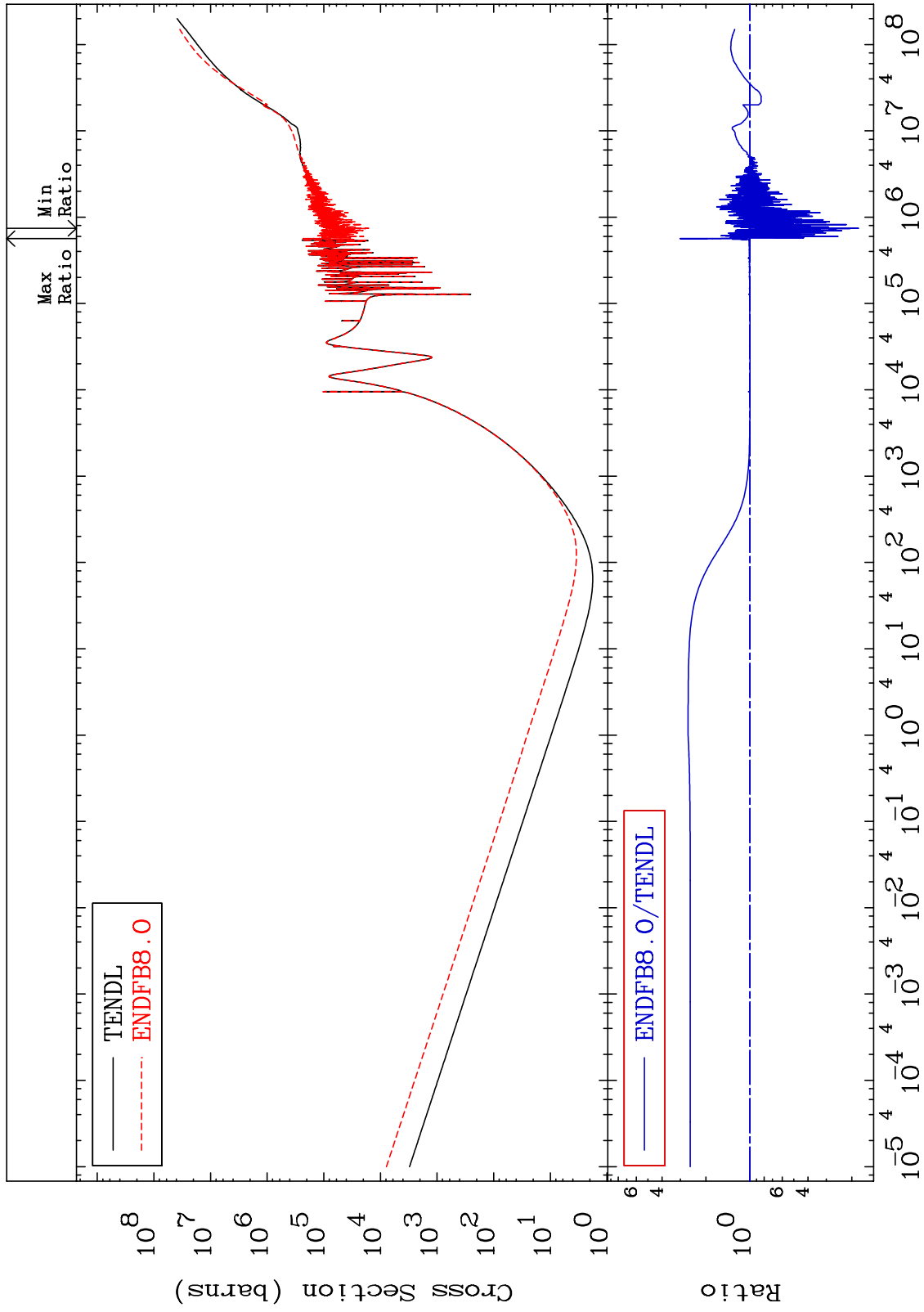
28-Ni-64



MAT 2843

Total kinematic kerma (high limit)  
Cross Section

28-Ni-64  
-81.95 To 201.4 %



56

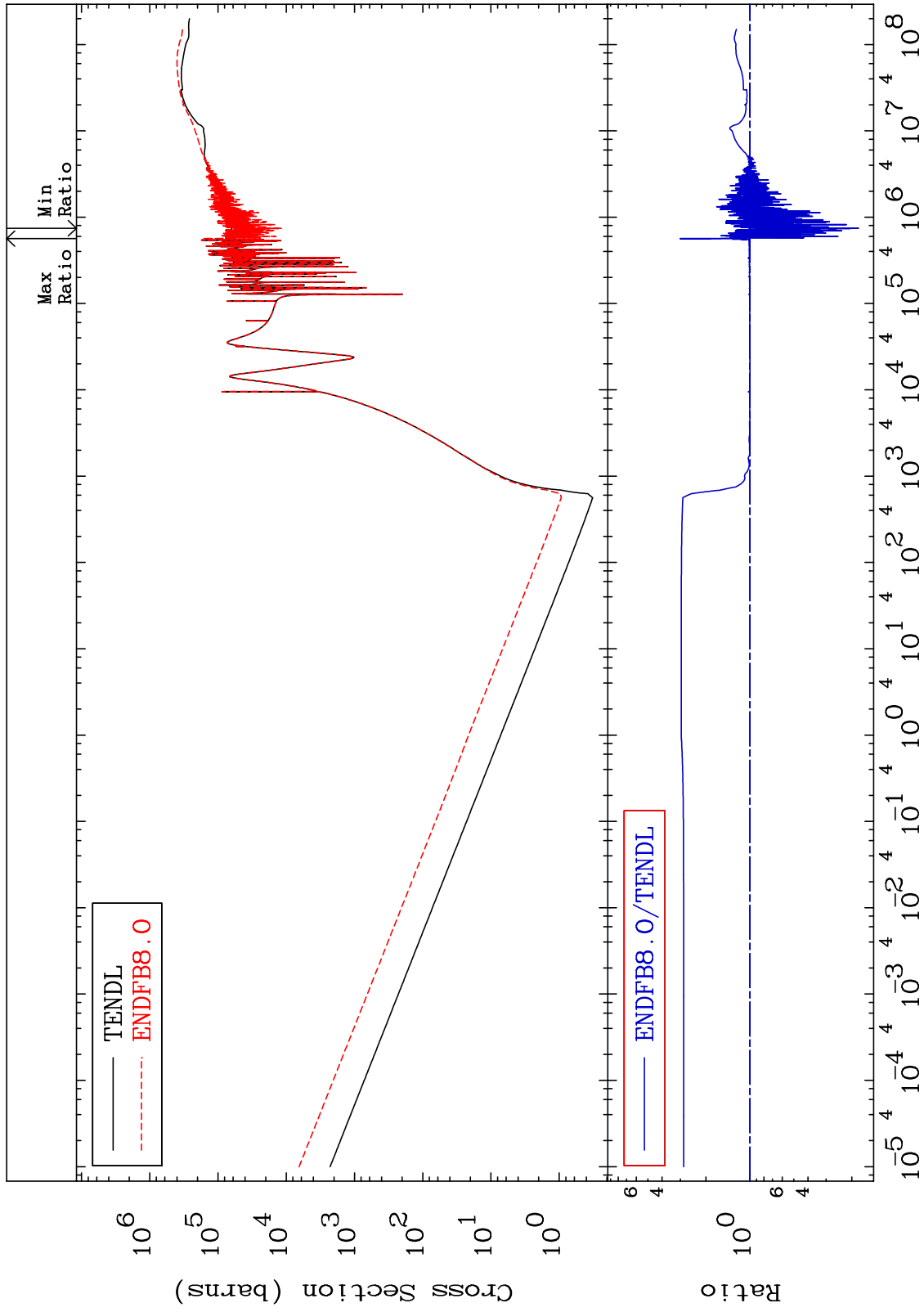
Incident Energy (eV)

28-Ni-64

MAT 2843

Dpa total (eV-barns)  
Cross Section

28-Ni-64  
-81.97 To 201.3 %



57

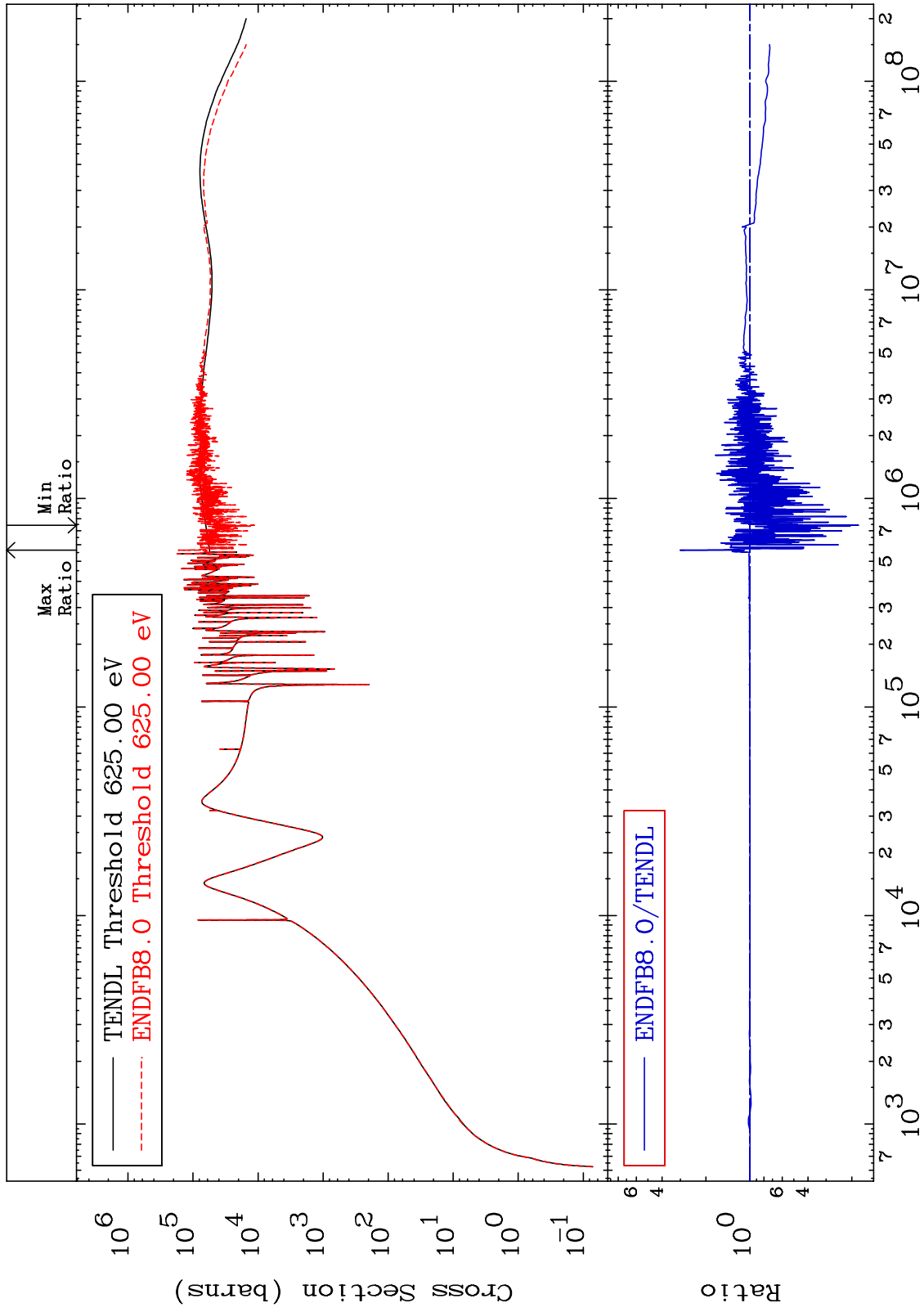
Incident Energy (eV)

28-Ni-64

MAT 2843

Dpa elastic (mt2)  
Cross Section

28-Ni-64  
-81.97 To 201.3 %



58

Incident Energy (eV)

28-Ni-64

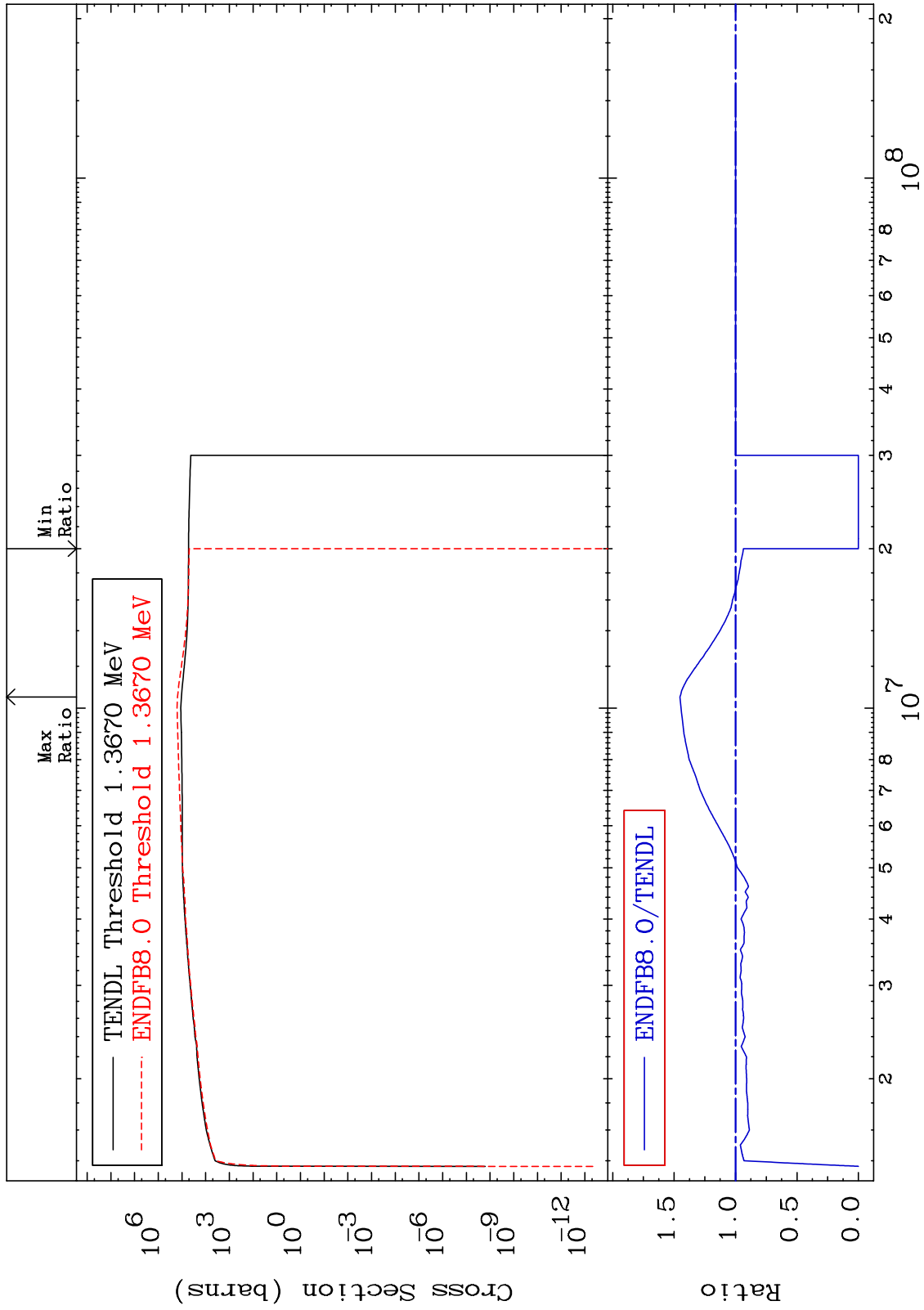
MAT 2843

Dpa inelastic (mt51-91)

28-Ni-64

-100.0 To 45.20 %

Cross Section



MAT 2843

Dpa disappearance (mt102 -120)  
Cross Section

28-Ni-64  
-100.0 To 195.9 %

