

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

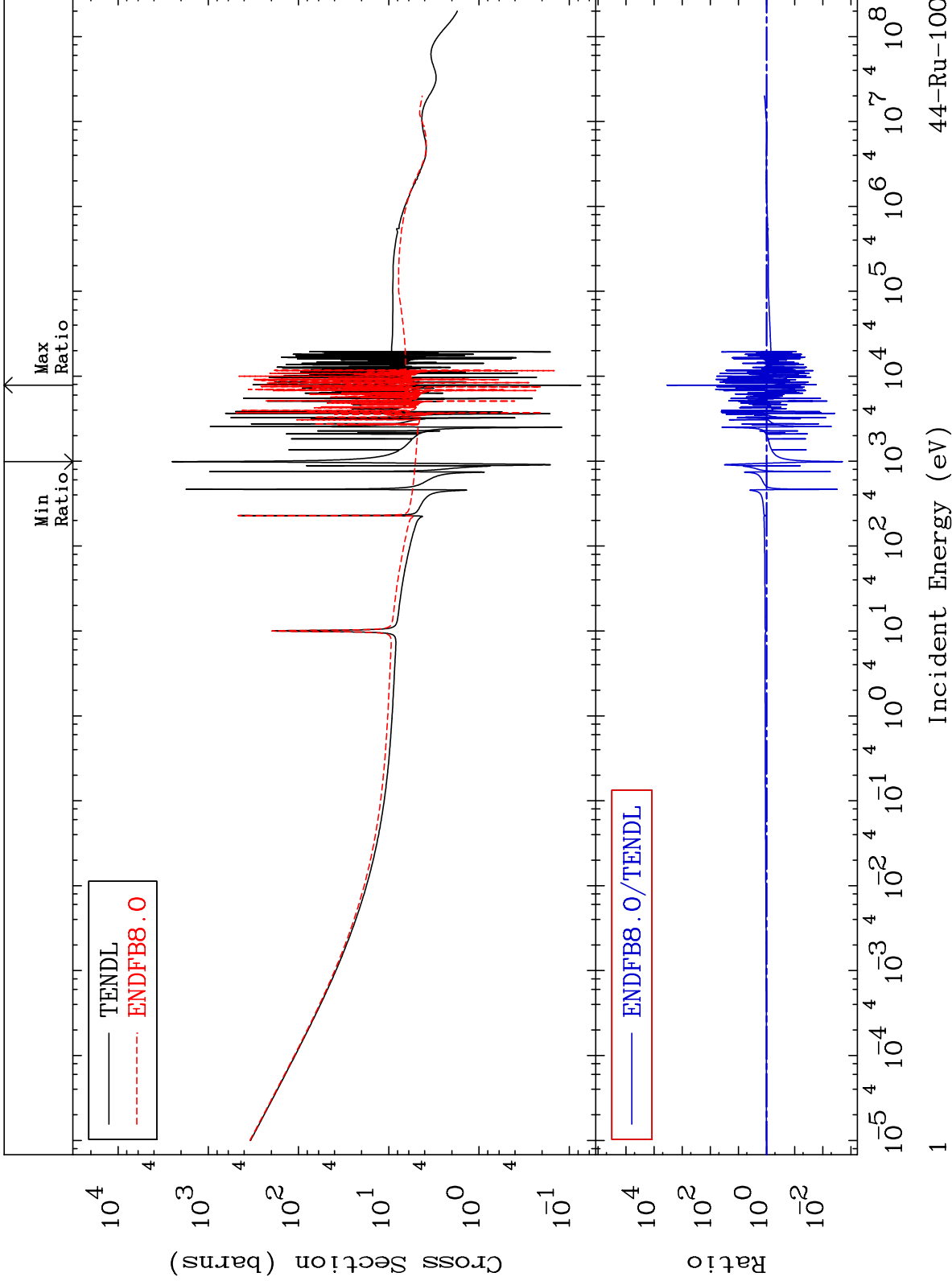
MAT 4437

Total

44-Ru-100

Cross Section

-99.80 To 9999. %

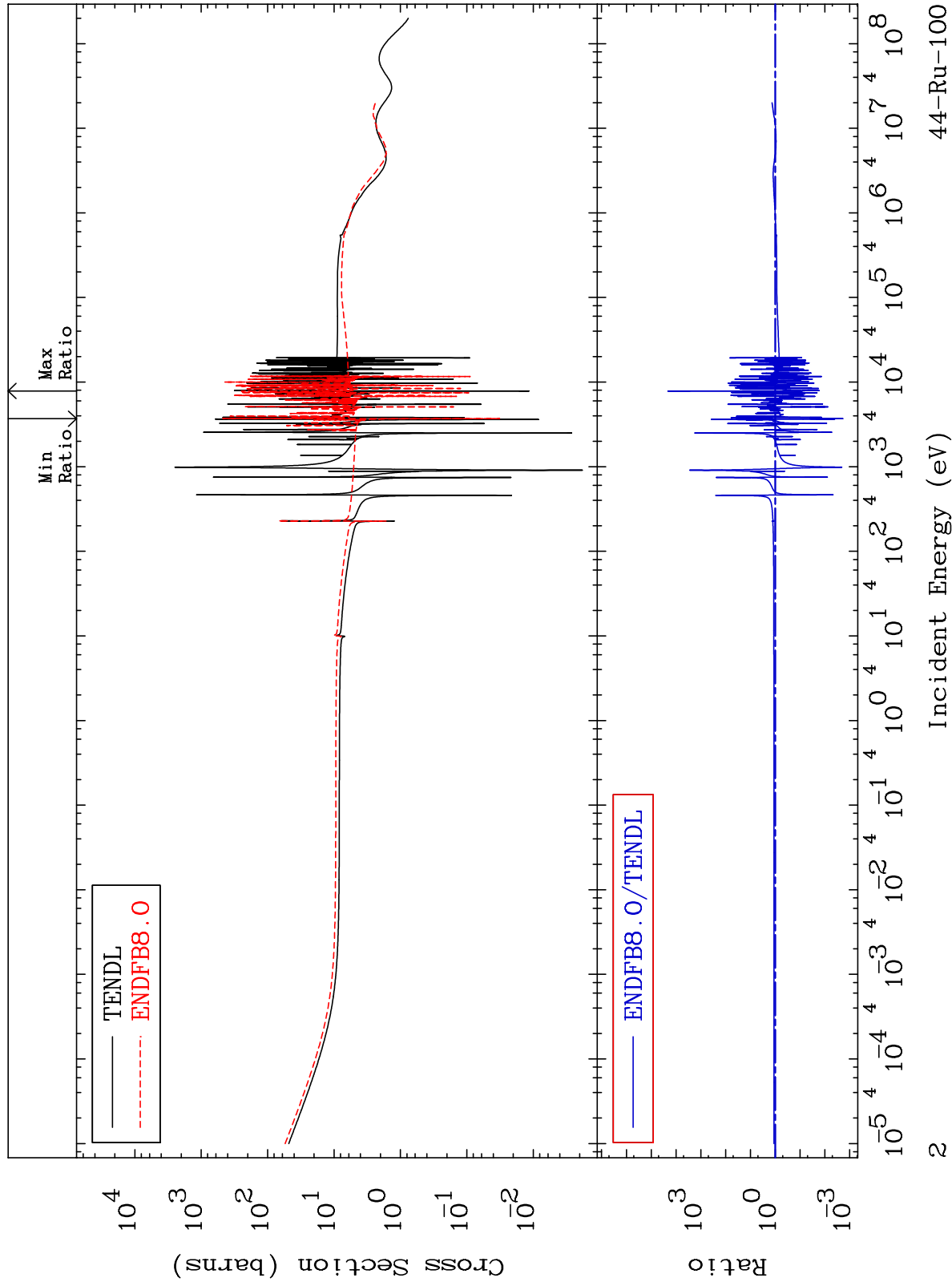


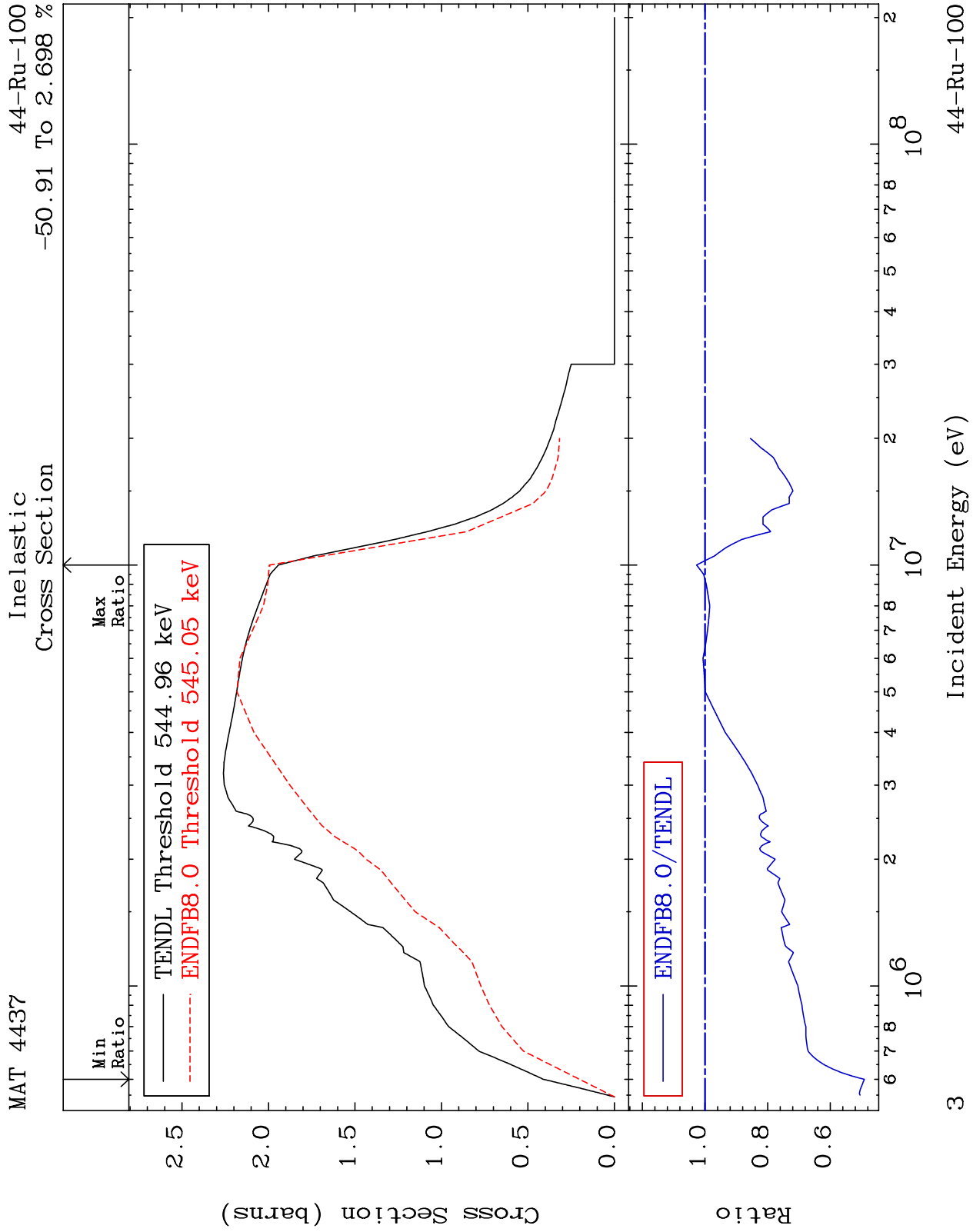
44-Ru-100

MAT 4437

Elastic  
Cross Section

44-Ru-100  
-99.81 To 9999. %





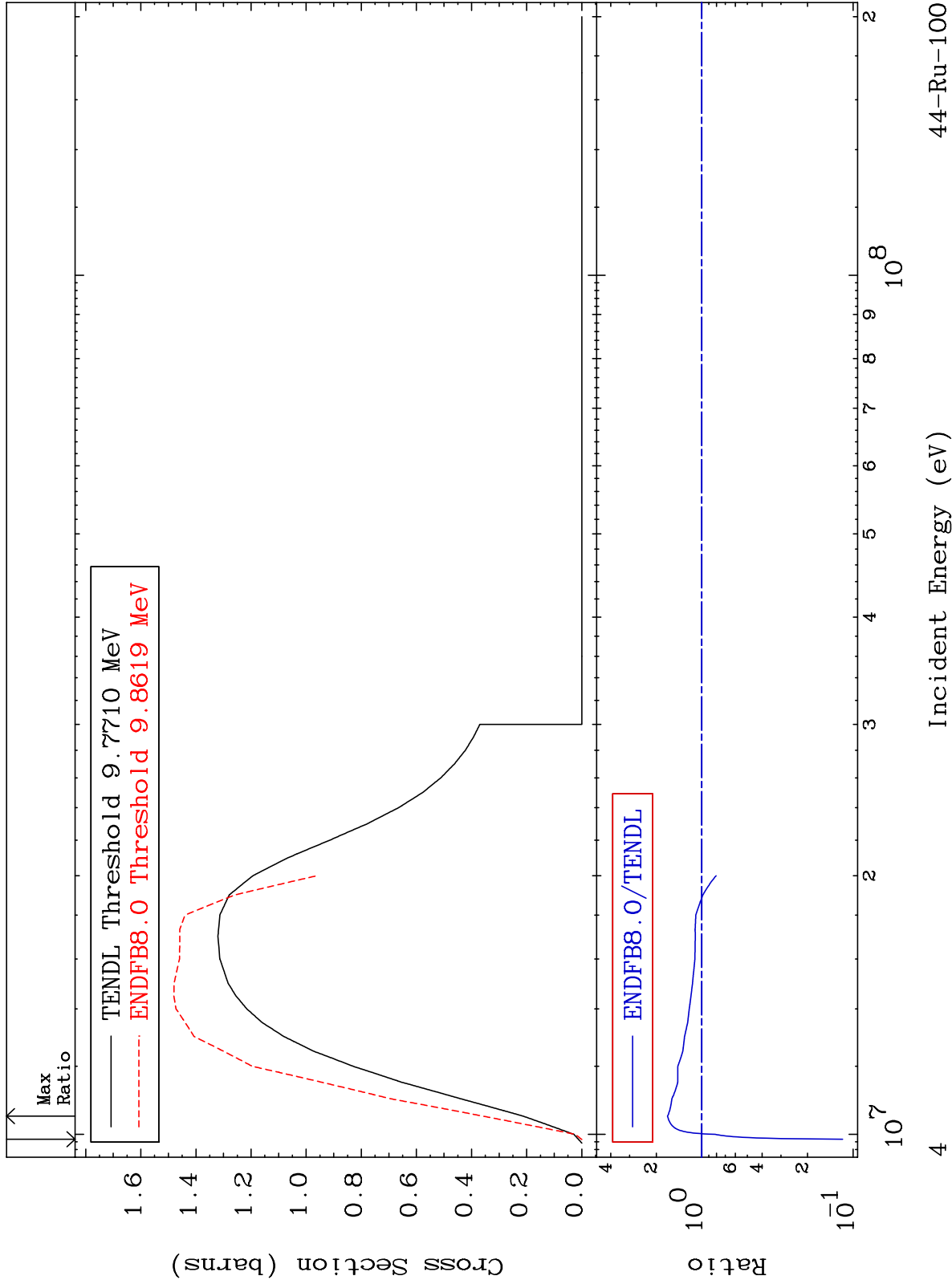
MAT 4437

(n,2n)

44-Ru-100

Cross Section

-88.28 To 68.52 %



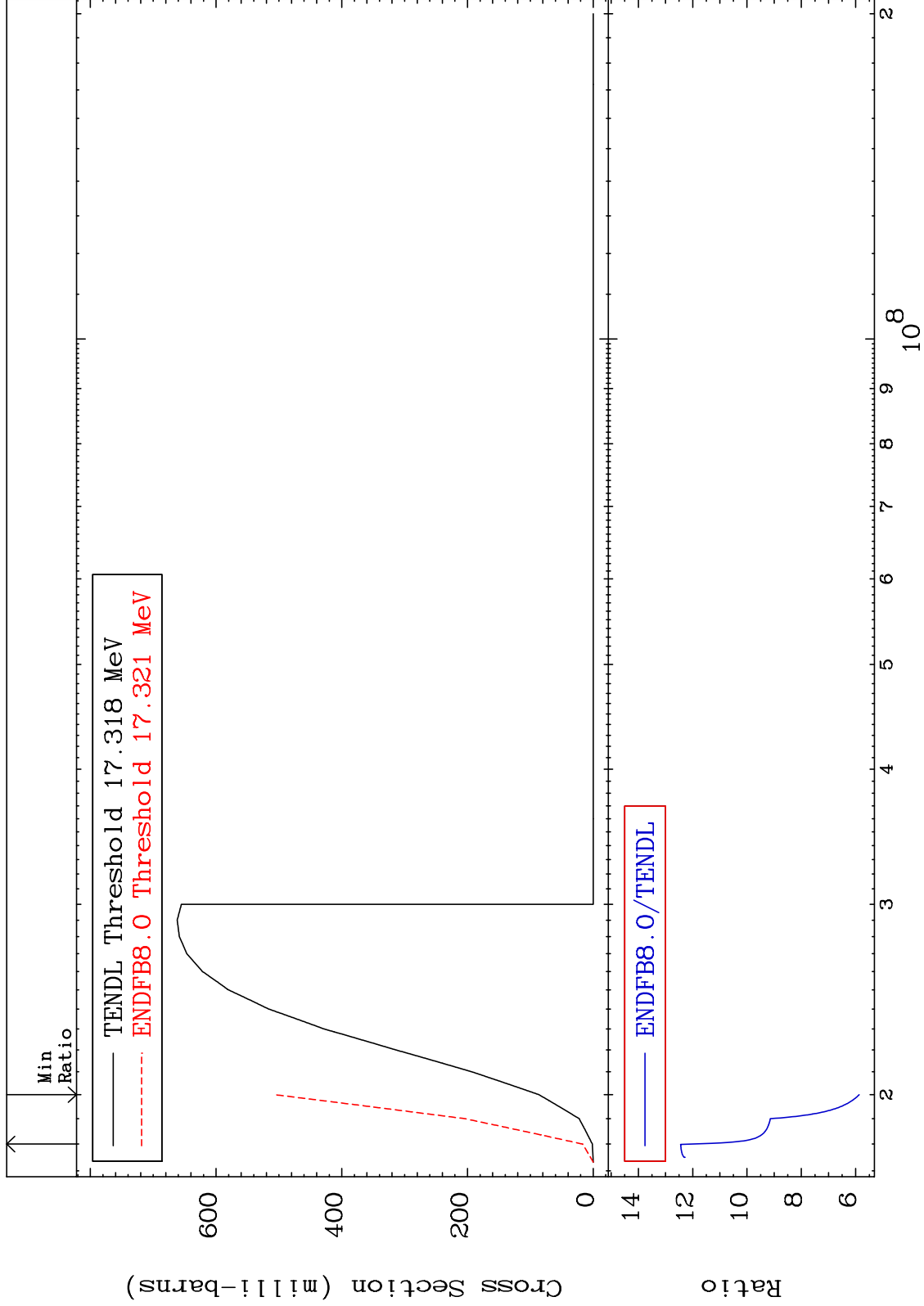
MAT 4437

(n,3n)

44-Ru-100

Cross Section

487.3 To 1144. %



5

Incident Energy (eV)

44-Ru-100

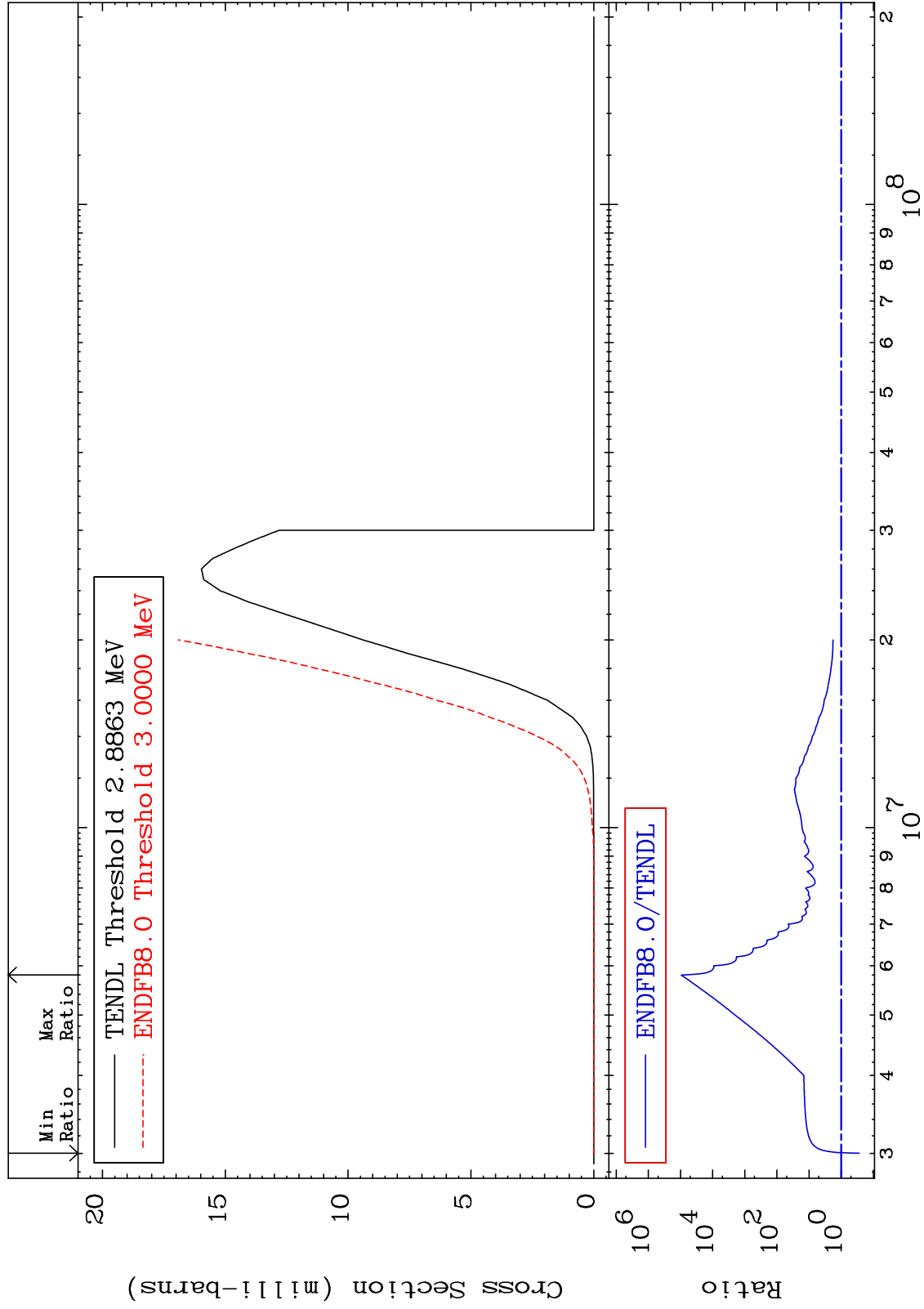
MAT 4437

(n,n')  $\alpha$

44-Ru-100

-72.61 To 9999. %

Cross Section



6

Incident Energy (eV)

44-Ru-100

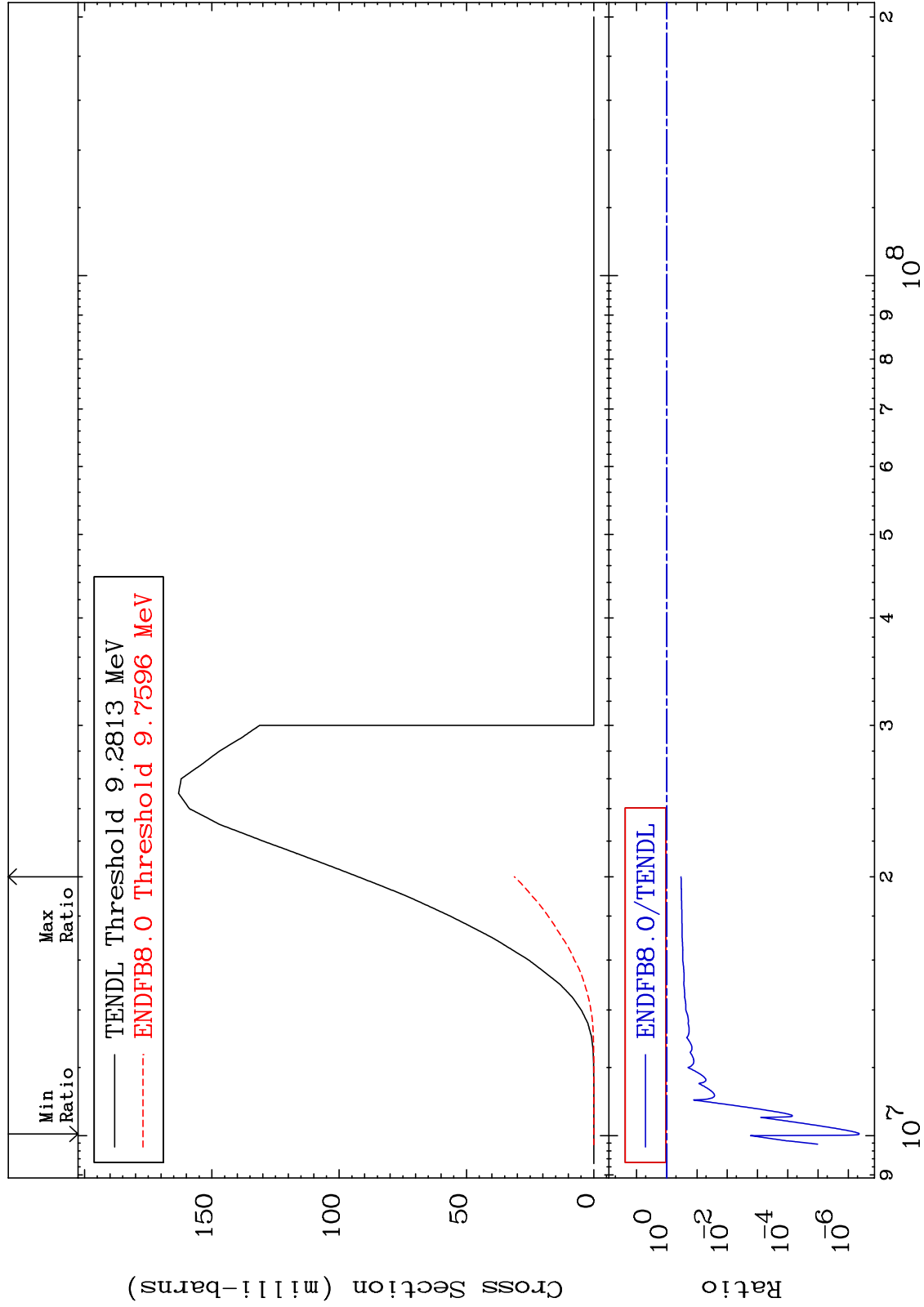
MAT 4437

(n,n') p

44-Ru-100

Cross Section

-100.0 To -66.29%



44-Ru-100

44-Ru-100



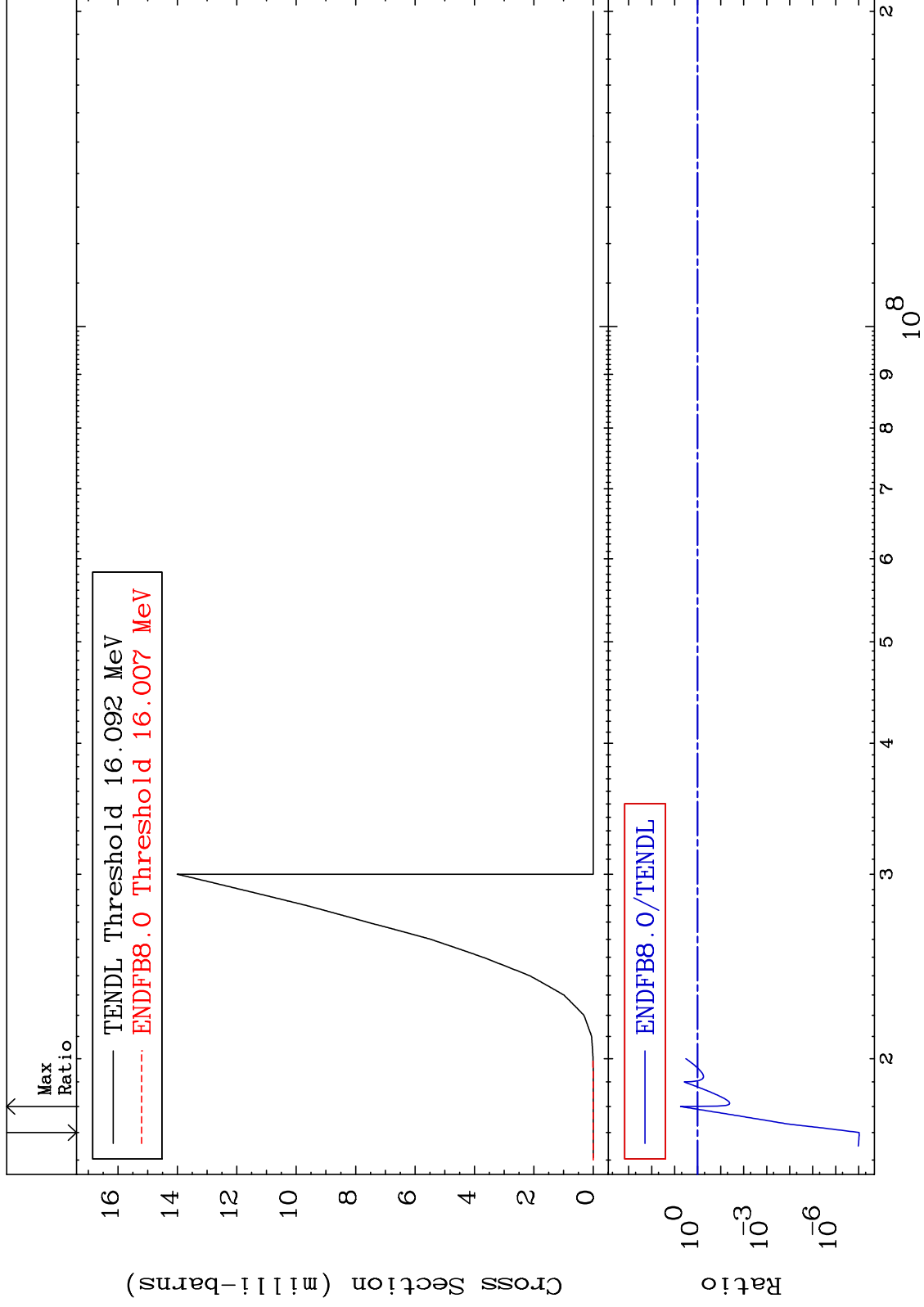
MAT 4437

(n, n') d

44-Ru-100

Cross Section

-100.0 To 450.0 %



8

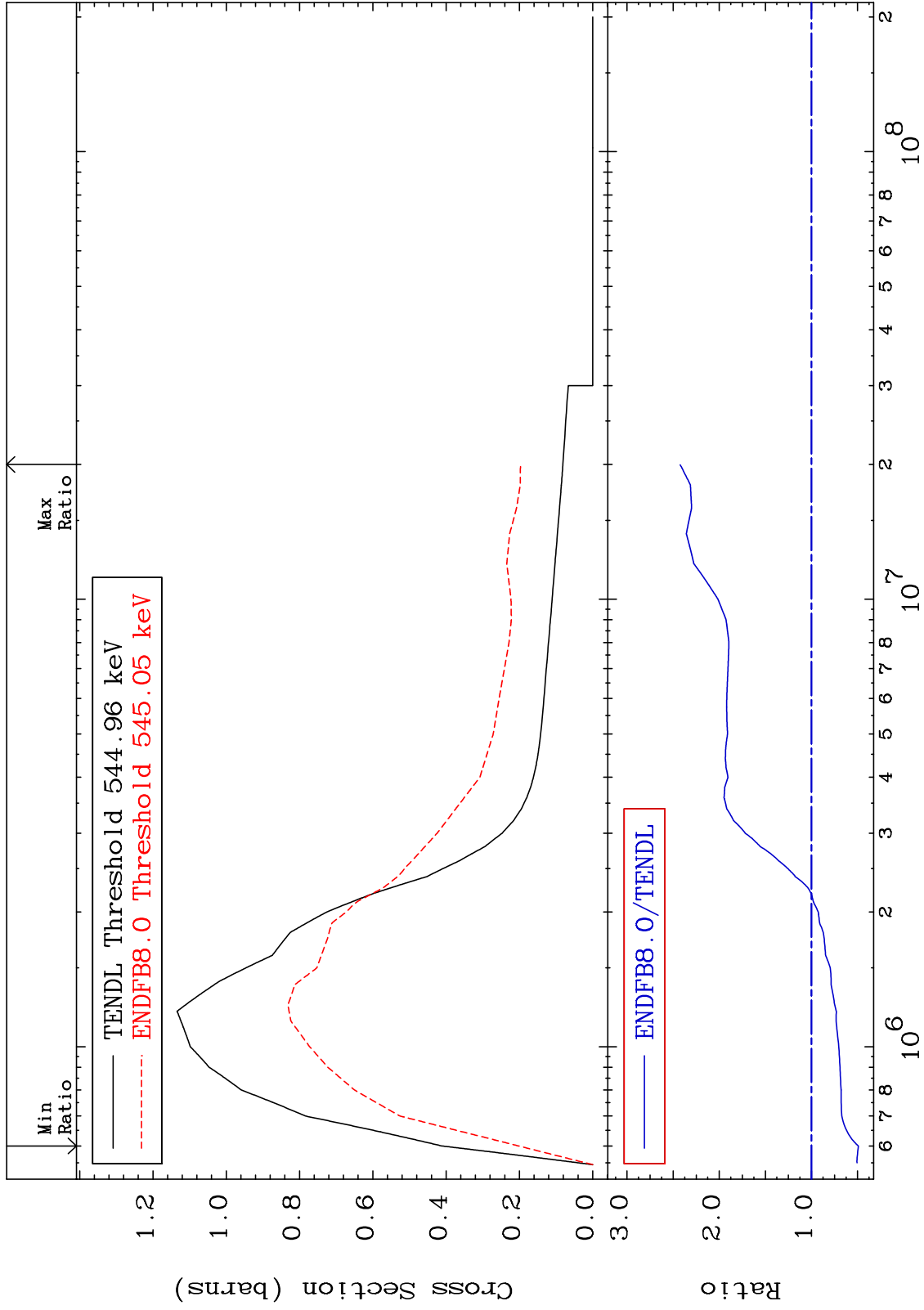
Incident Energy (eV)

44-Ru-100

MAT 4437

MT= 51 (n,n') Level  
Cross Section

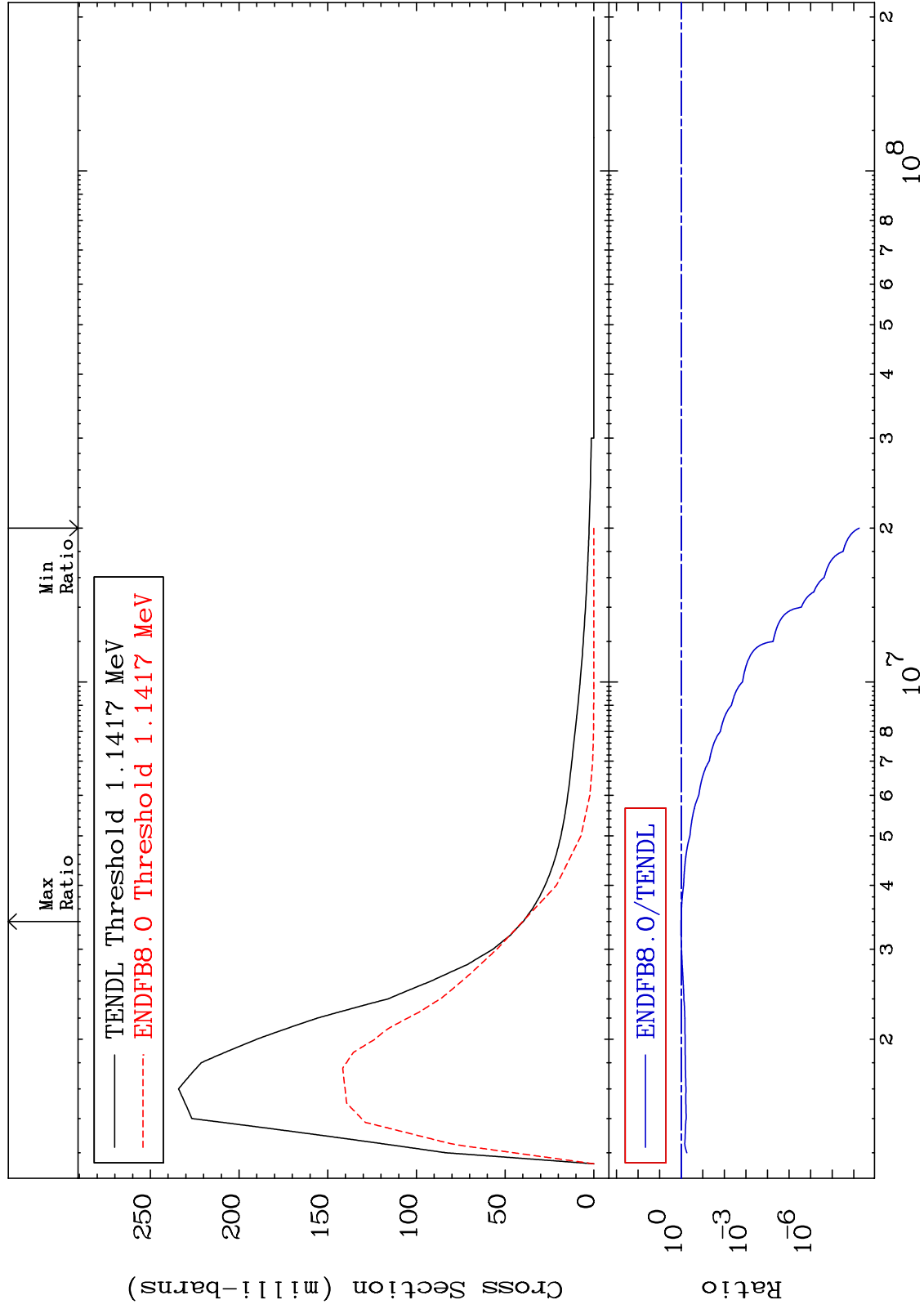
44-Ru-100  
-50.91 To 142.6 %



MAT 4437

MT= 52 (n, n') Level  
Cross Section

44-Ru-100  
-100.0 To 0.698 %



10

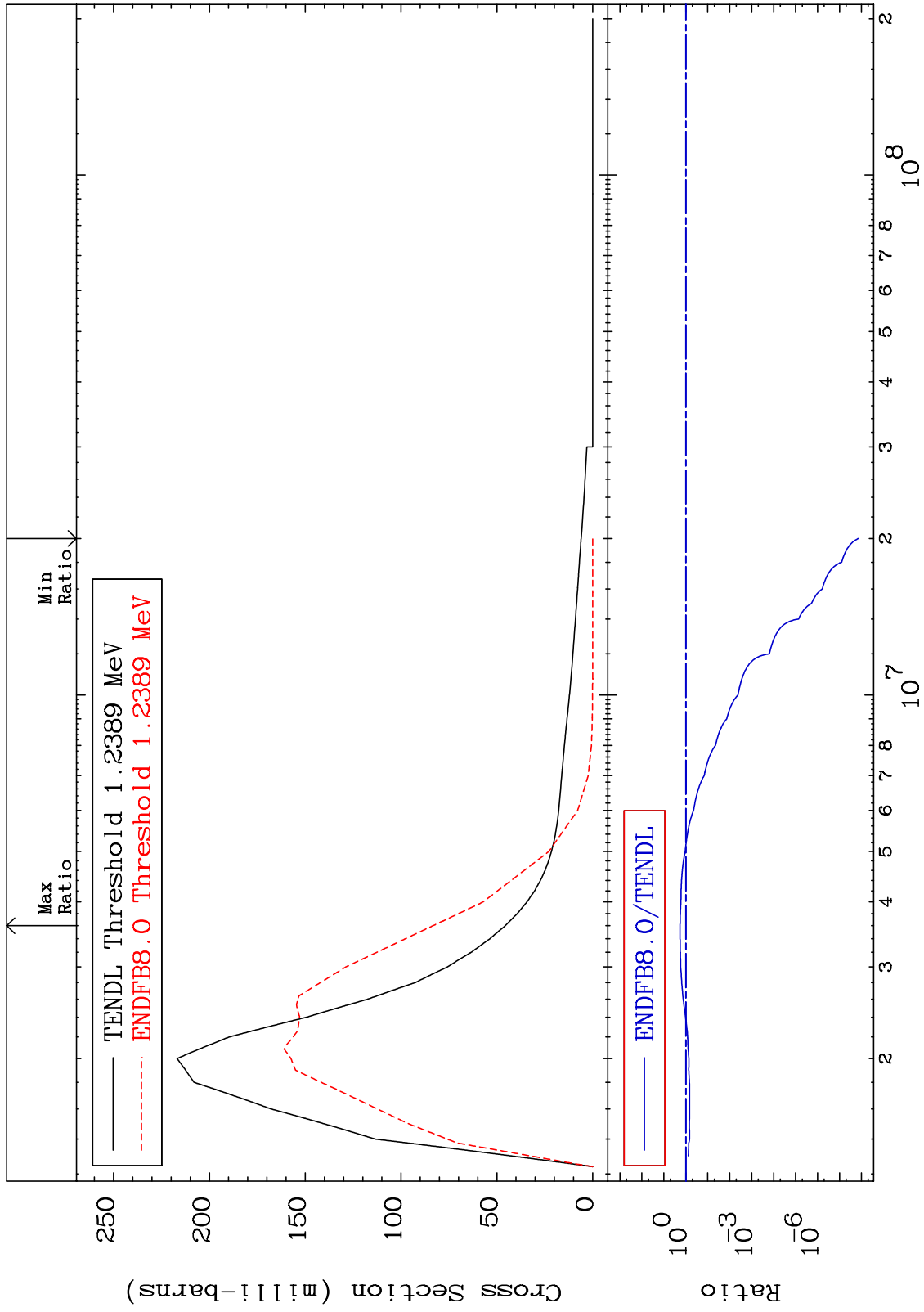
Incident Energy (eV)

44-Ru-100

MAT 4437

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

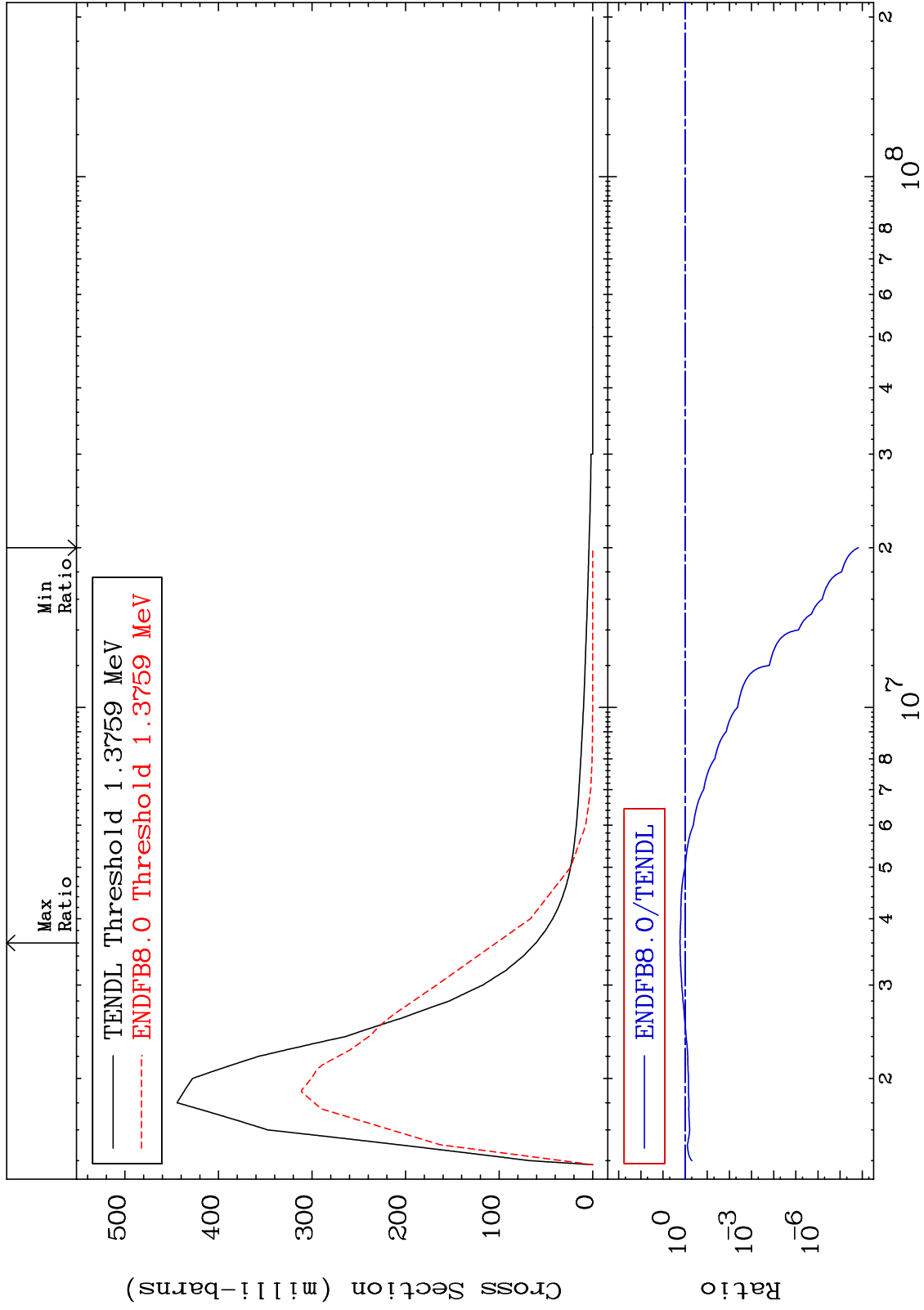
44-Ru-100  
-100.0 To 82.70 %



MAT 4437

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

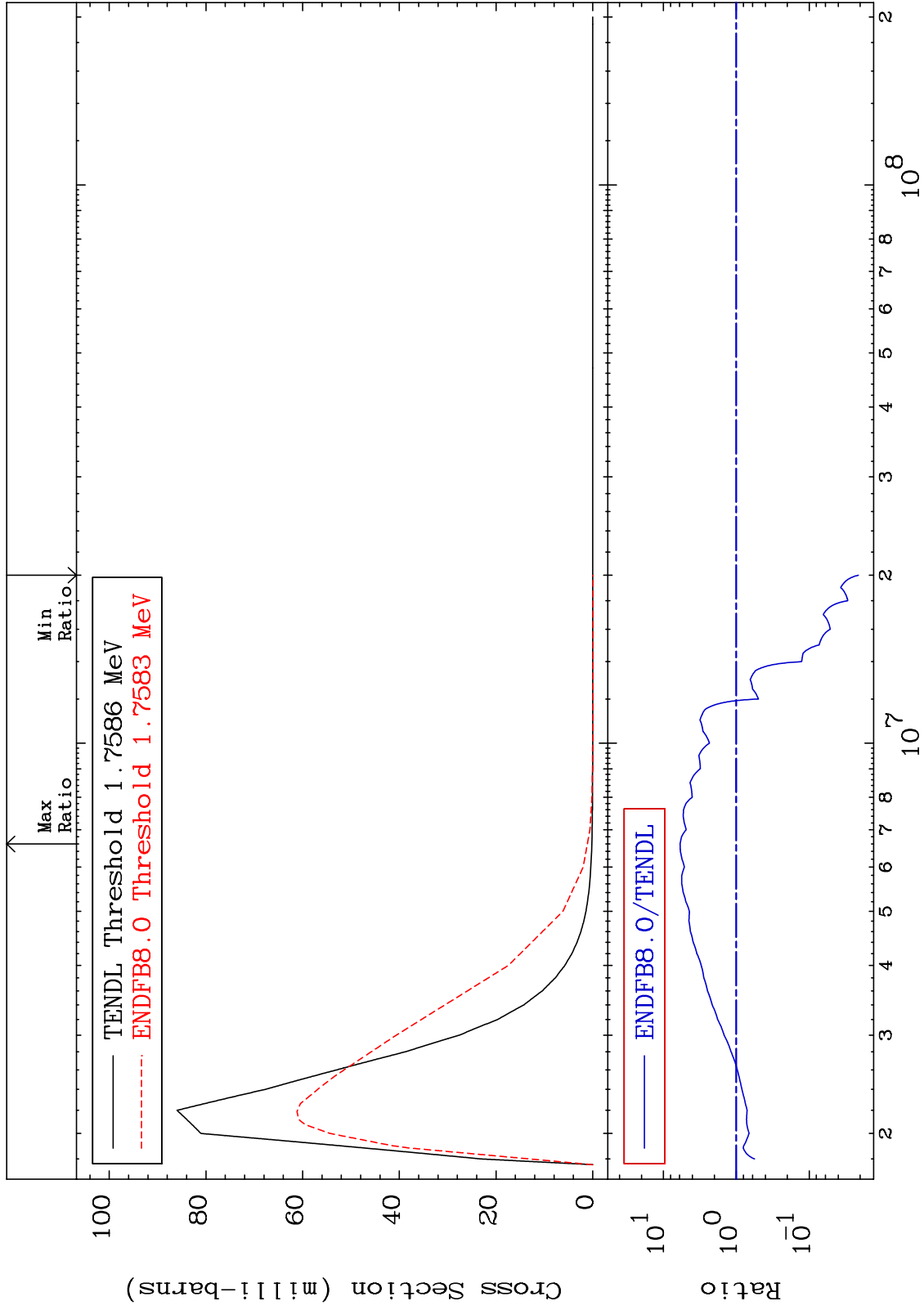
44-Ru-100  
-100.0 To 70.11 %



MAT 4437

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

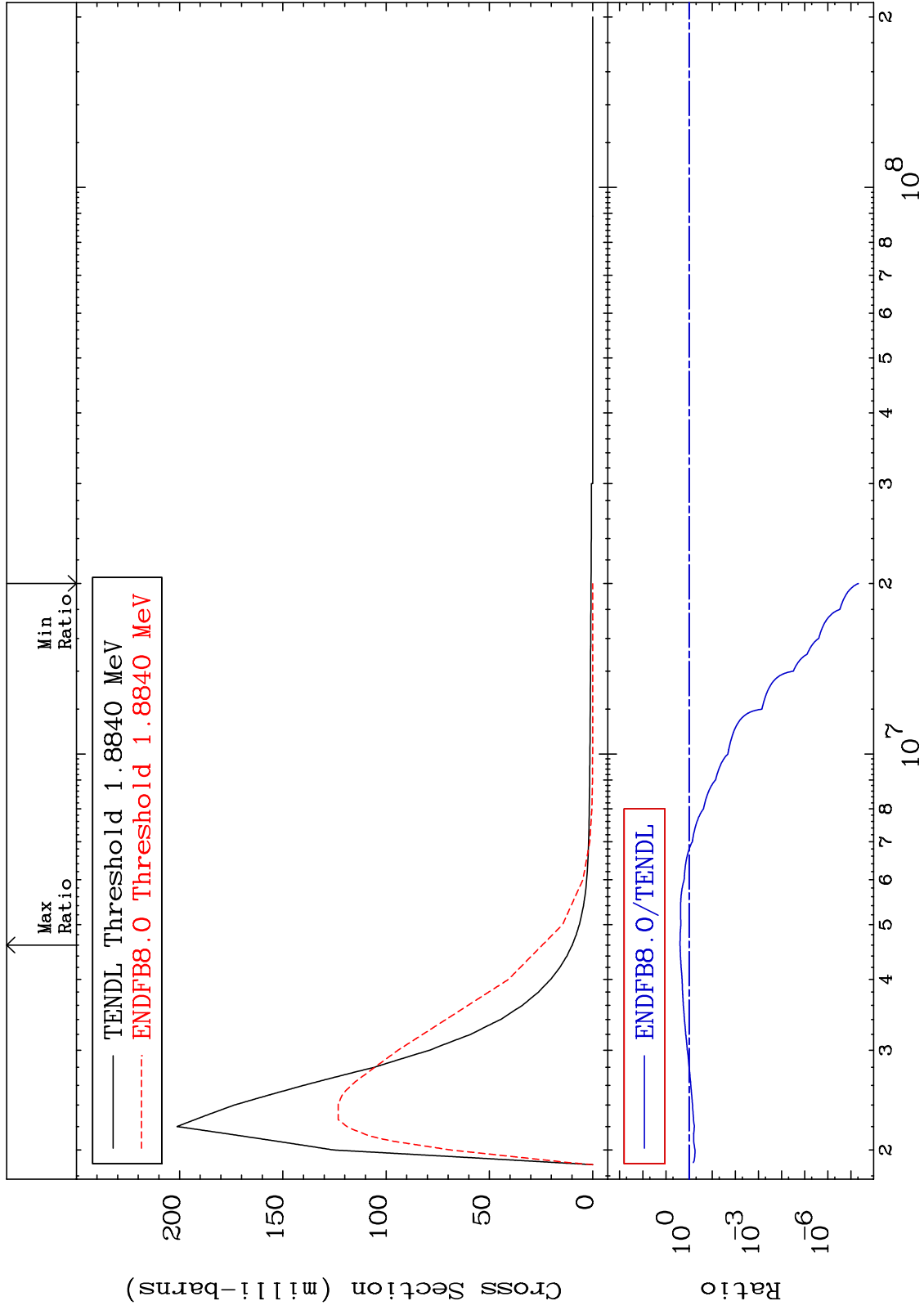
44-Ru-100  
-97.88 To 491.9 %



MAT 4437

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

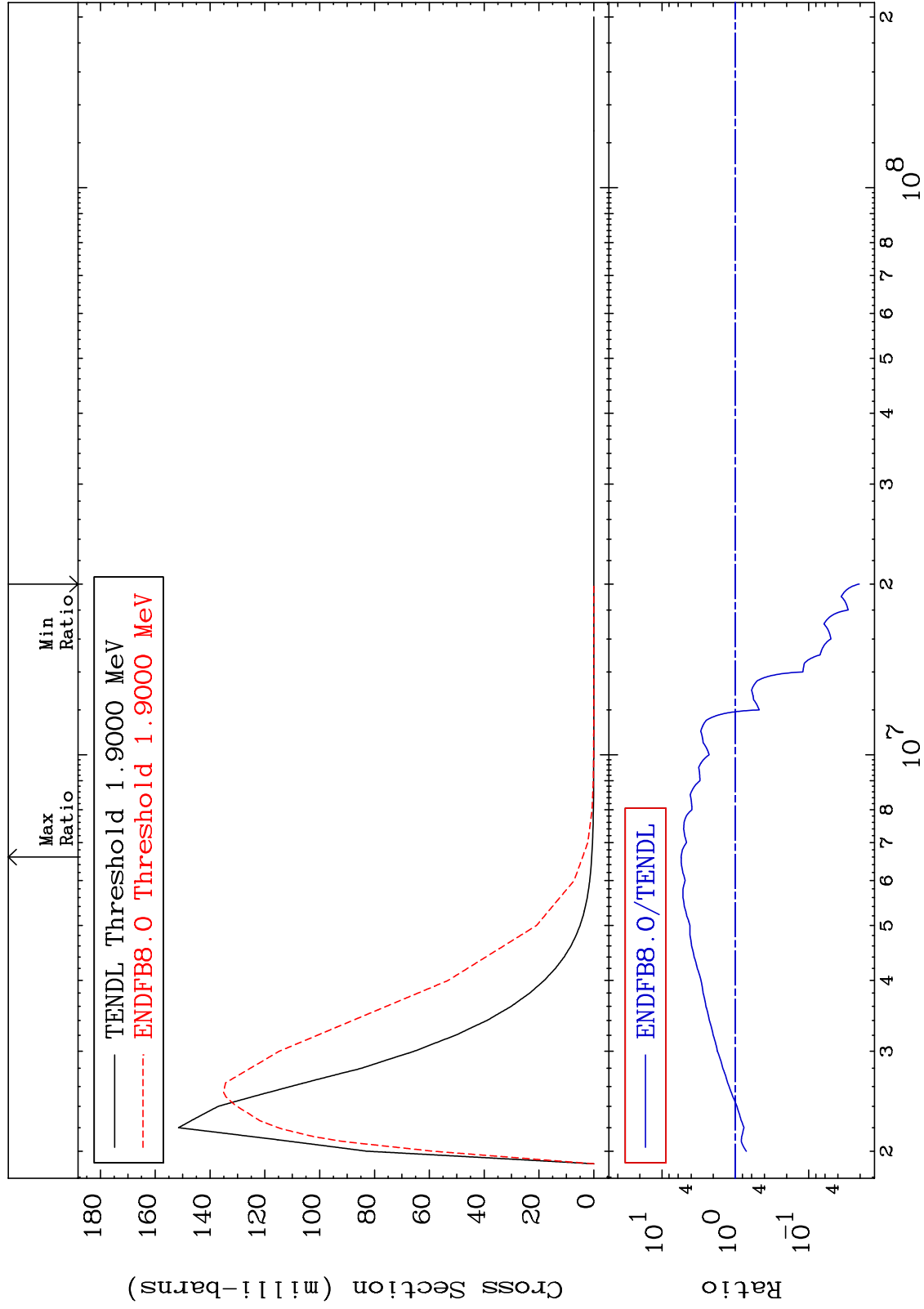
44-Ru-100  
-100.0 To 145.8 %



MAT 4437

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

44-Ru-100  
-97.95 To 448.8 %

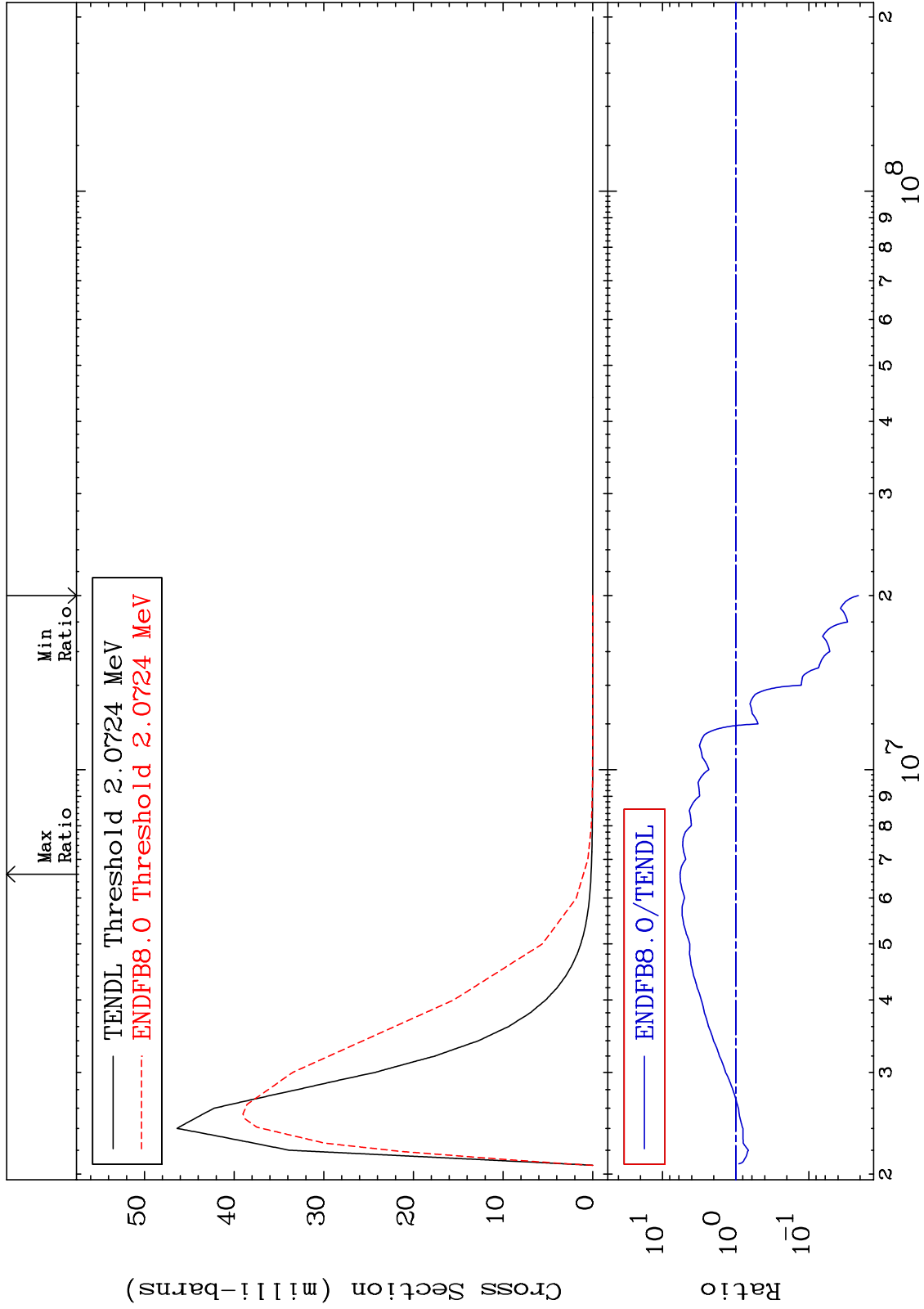




MAT 4437

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

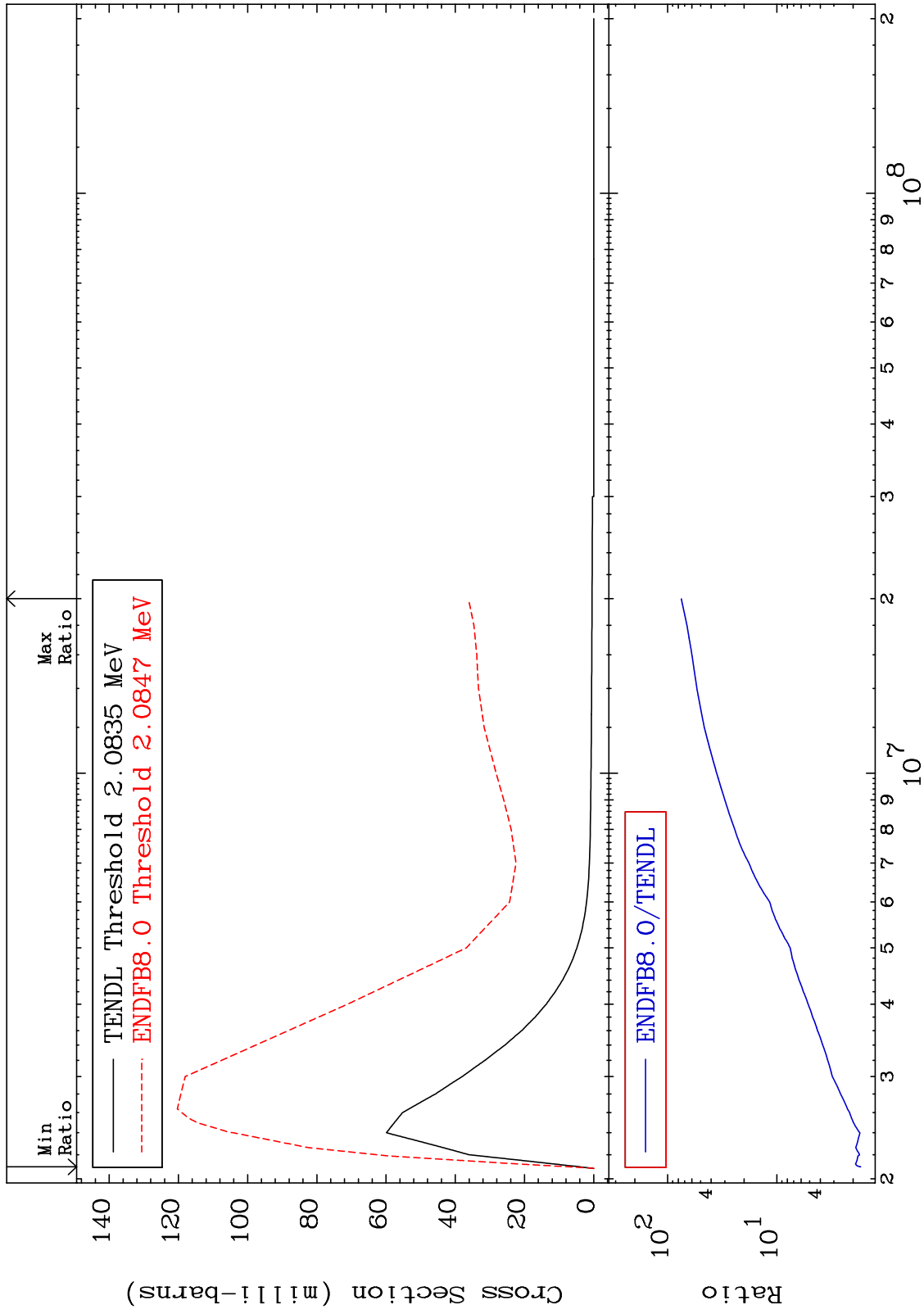
44-Ru-100  
-97.89 To 477.6 %



MAT 4437

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

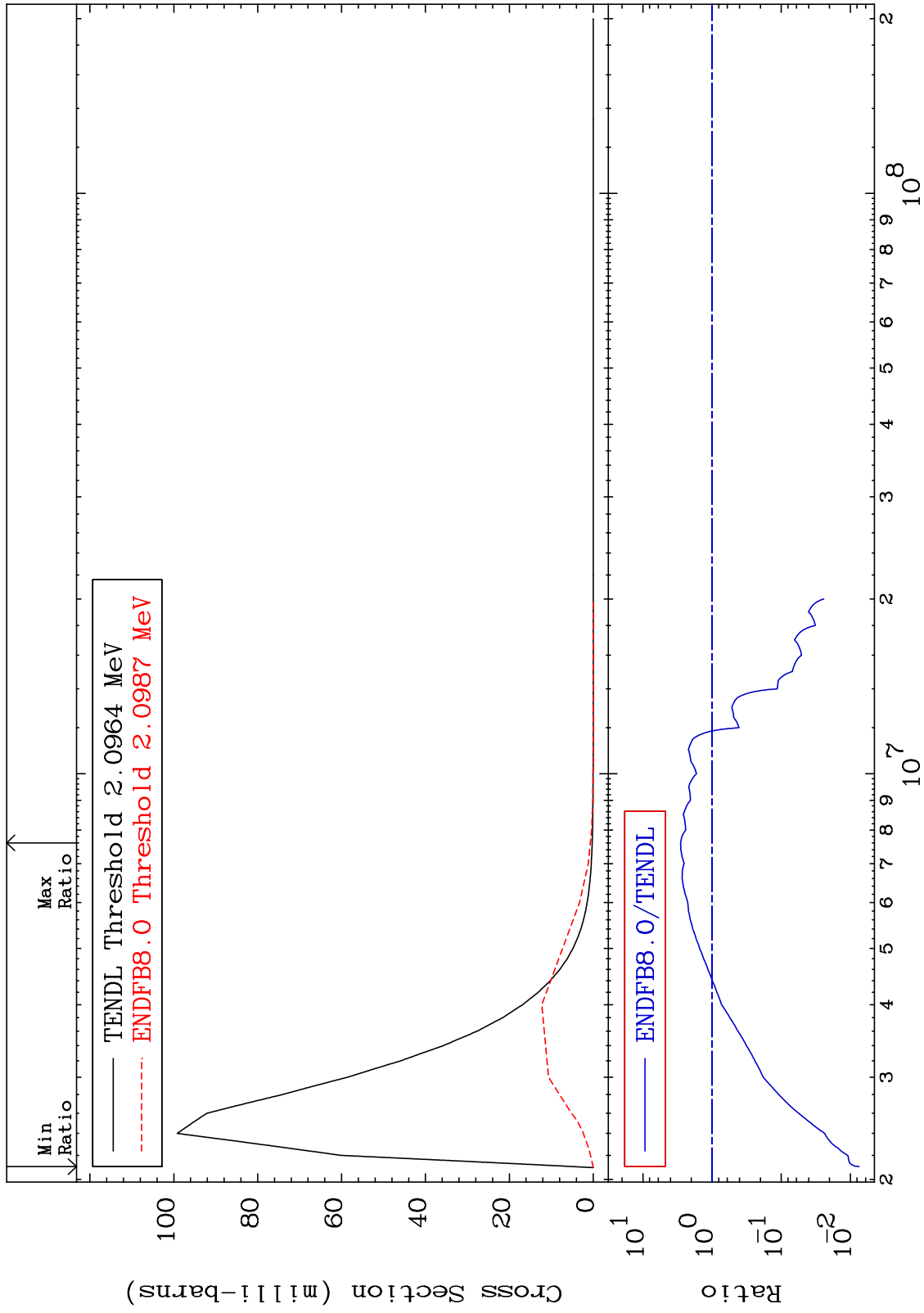
44-Ru-100  
73.37 To 7419. %



MAT 4437

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

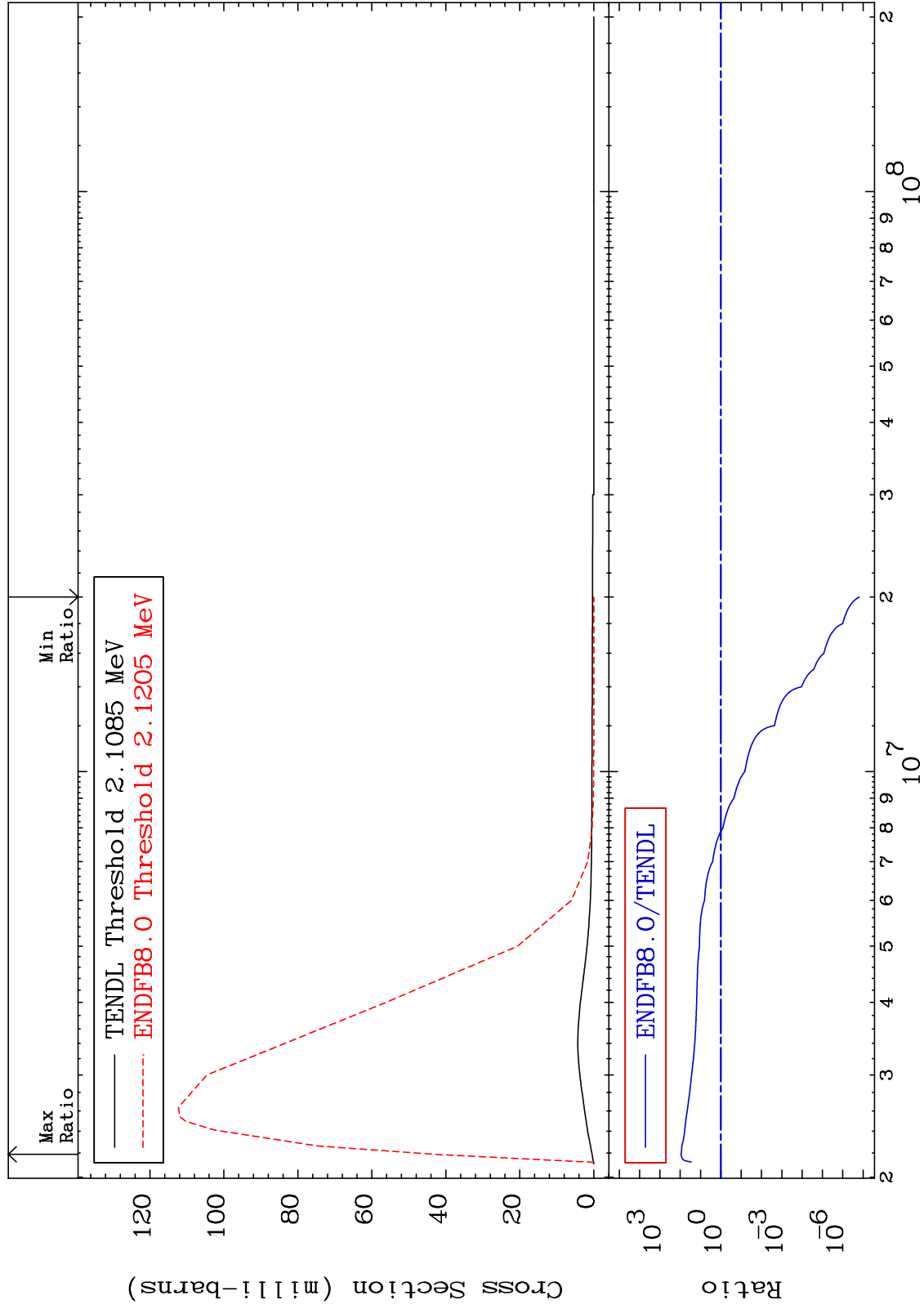
44-Ru-100  
-99.26 To 184.8 %



MAT 4437

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

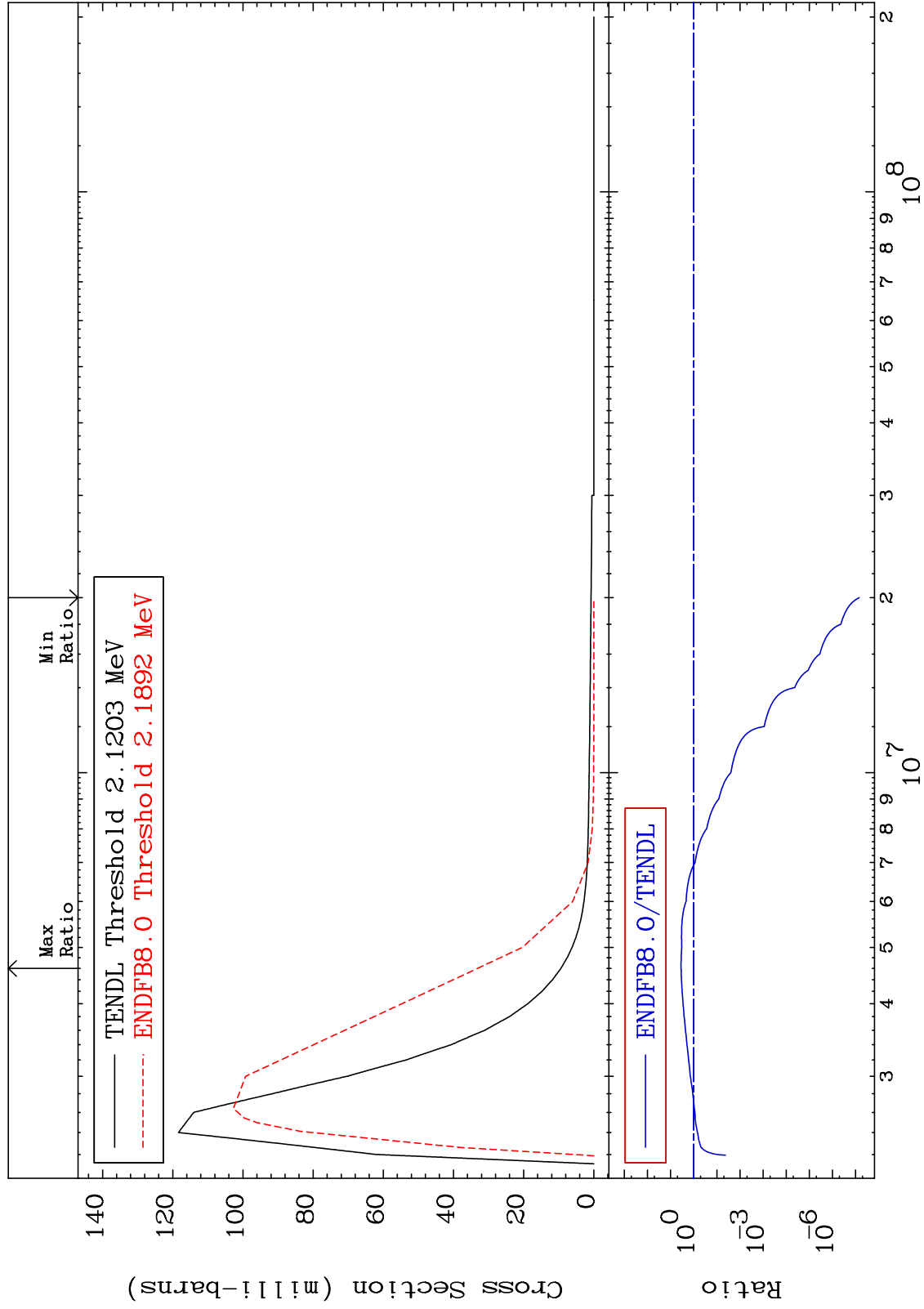
44-Ru-100  
-100.0 To 8988. %



MAT 4437

MT= 62 (n,n') Level  
Cross Section

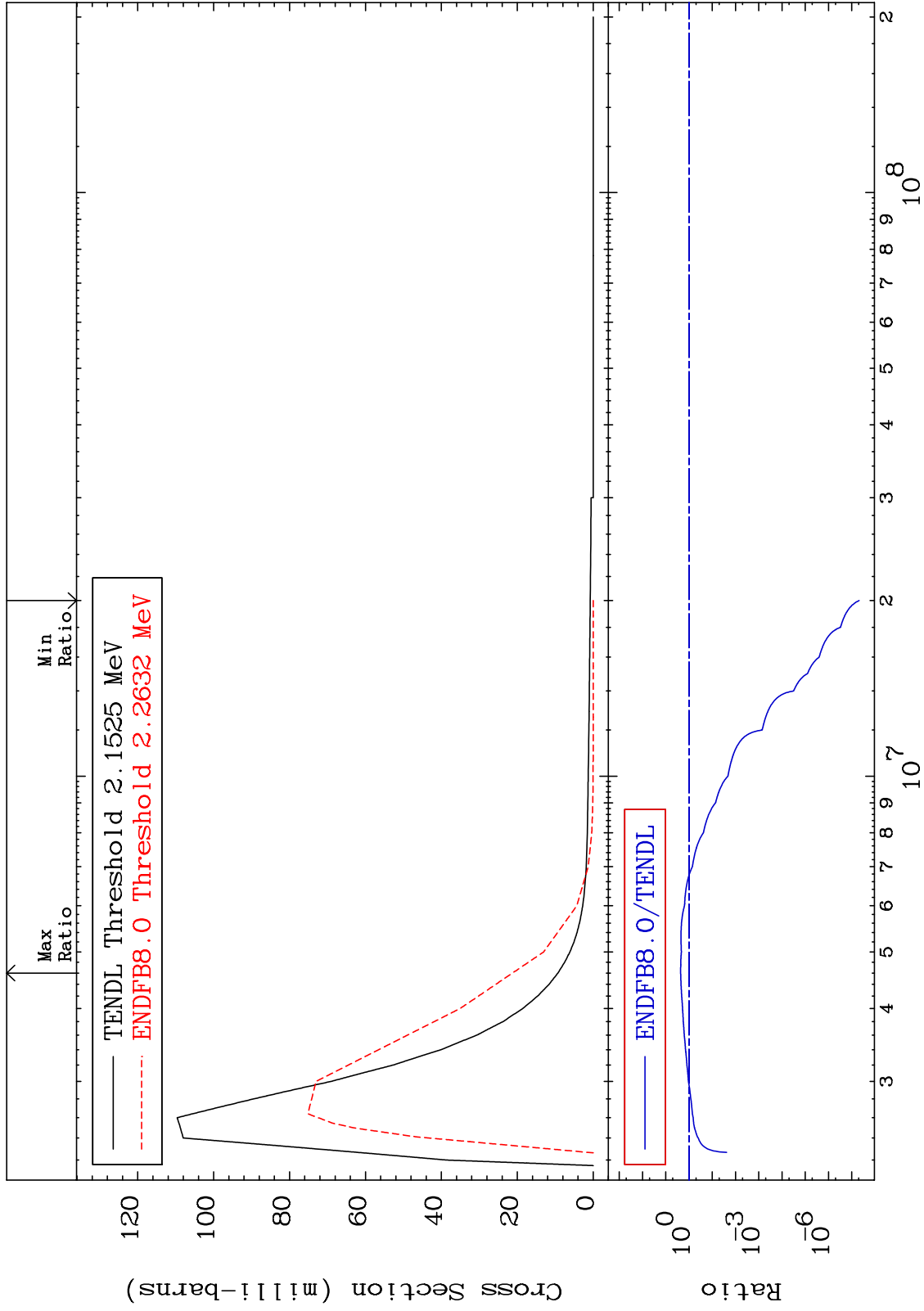
44-Ru-100  
-100.0 To 253.5 %



MAT 4437

MT= 63 (n,n') Level  
Cross Section

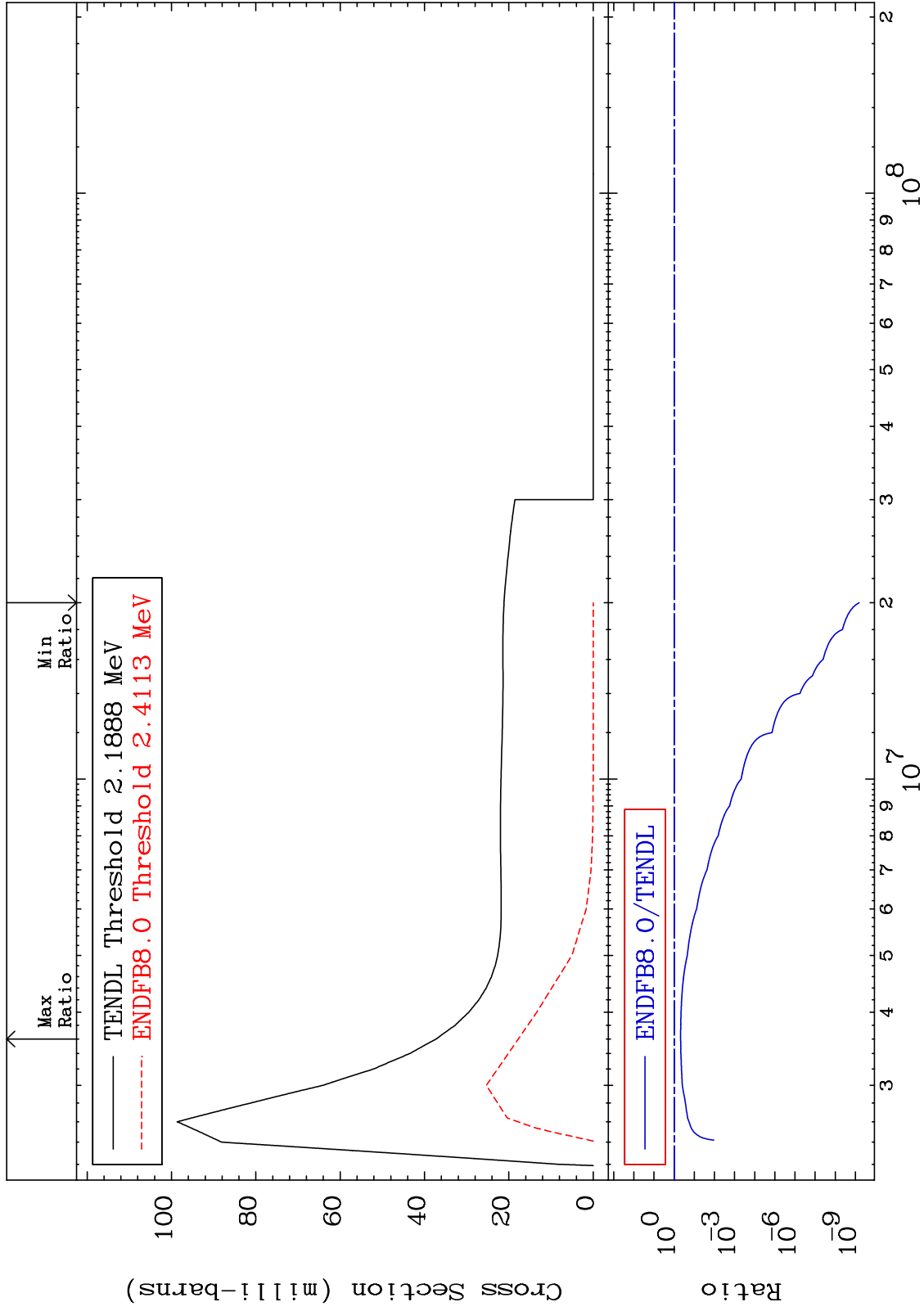
44-Ru-100  
-100.0 To 128.7 %



MAT 4437

MT= 64 (n,n') Level  
Cross Section

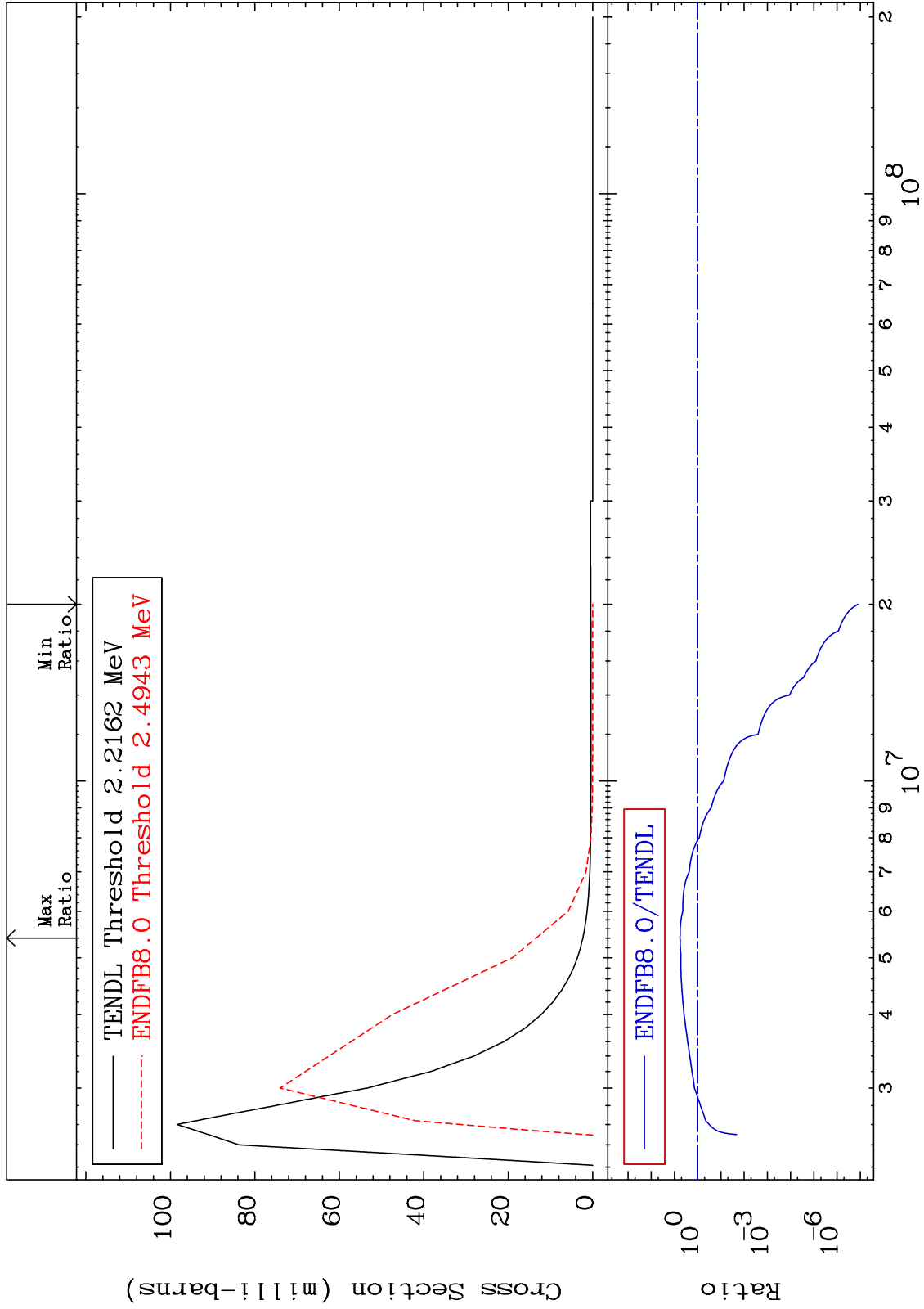
44-Ru-100  
-100.0 To -52.31%



MAT 4437

MT= 65 (n,n') Level  
Cross Section

44-Ru-100  
-100.0 To 476.8 %

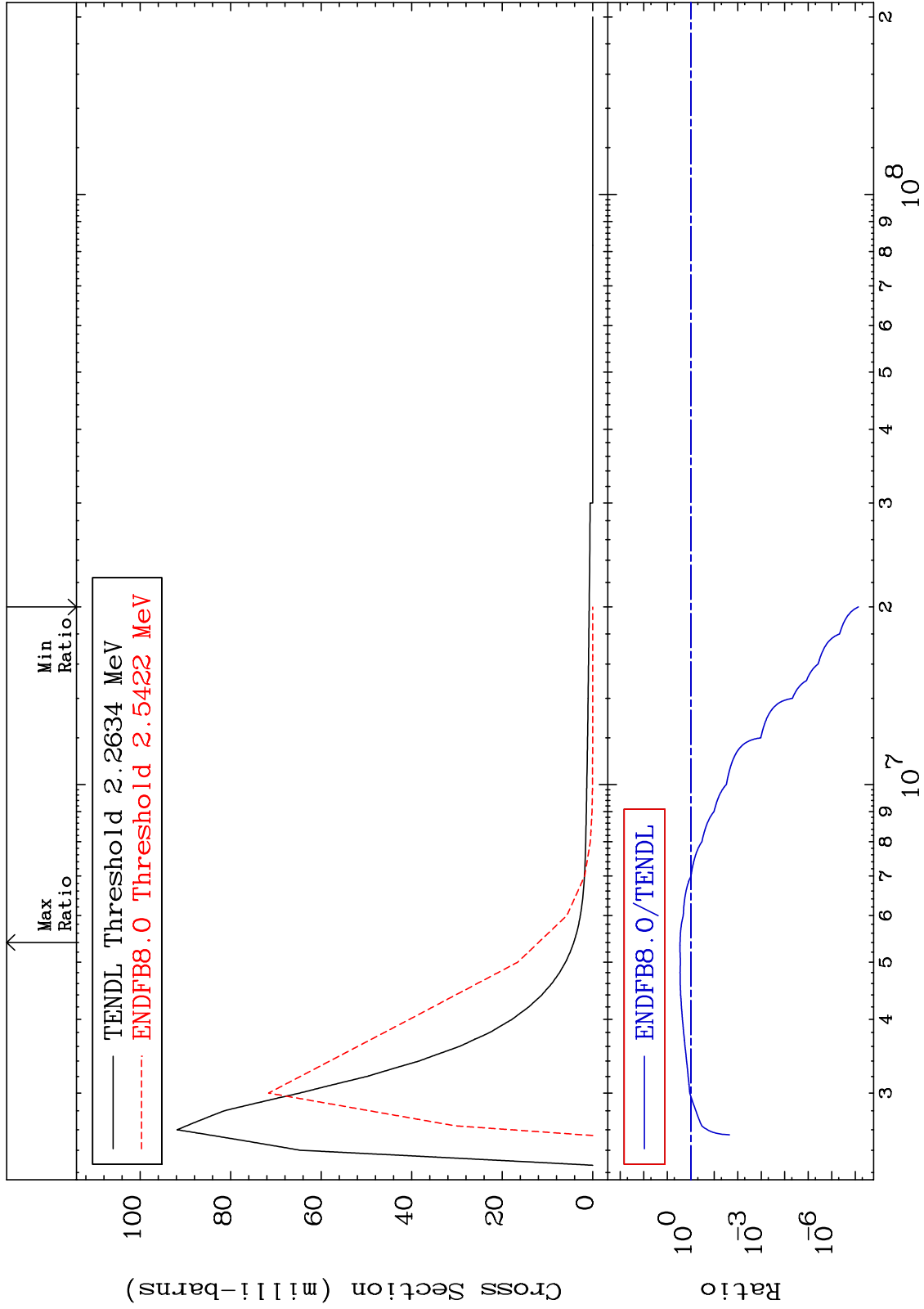




MAT 4437

MT= 66 (n,n') Level  
Cross Section

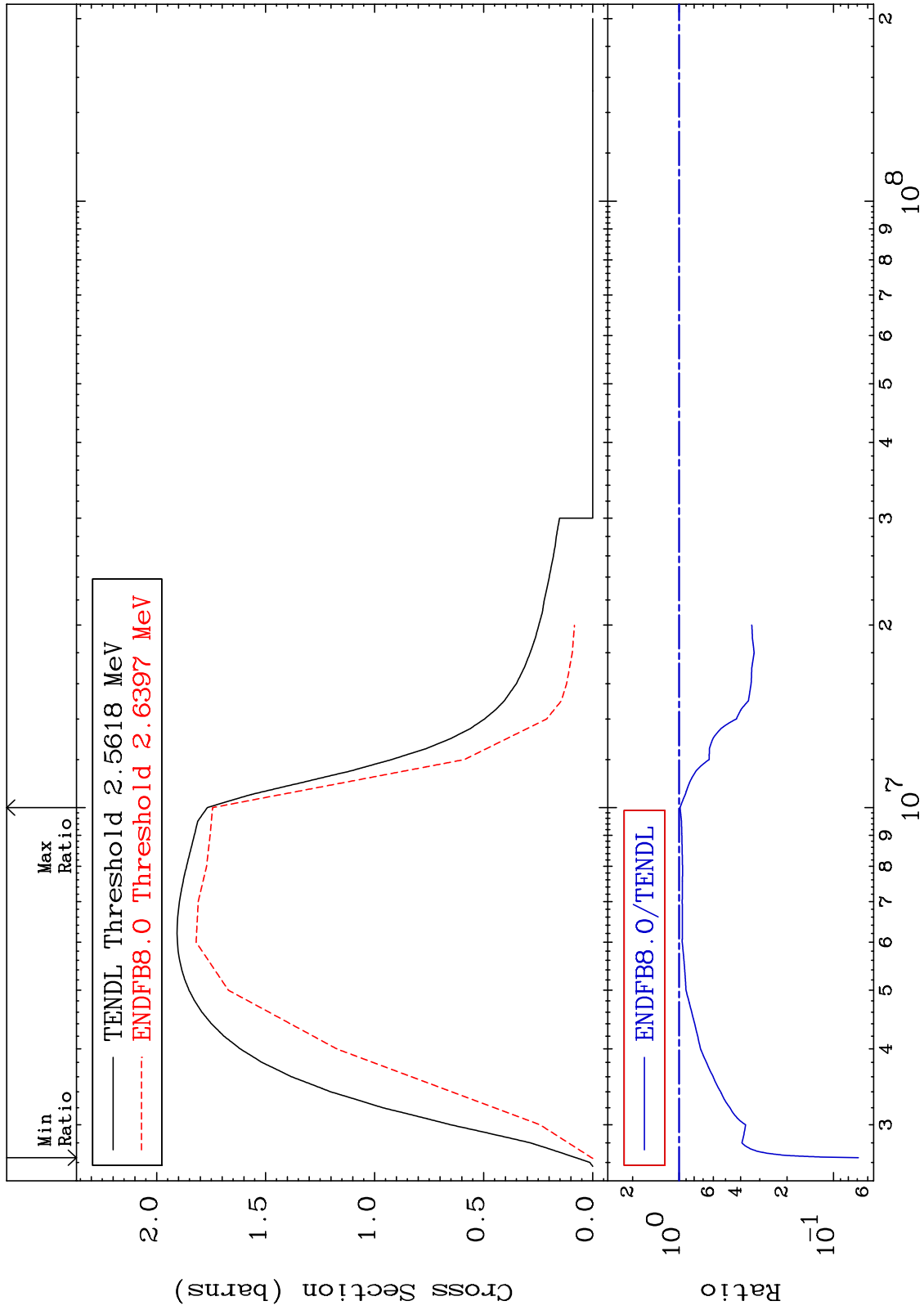
44-Ru-100  
-100.0 To 186.9 %



MAT 4437

(n, n') Continuum  
Cross Section

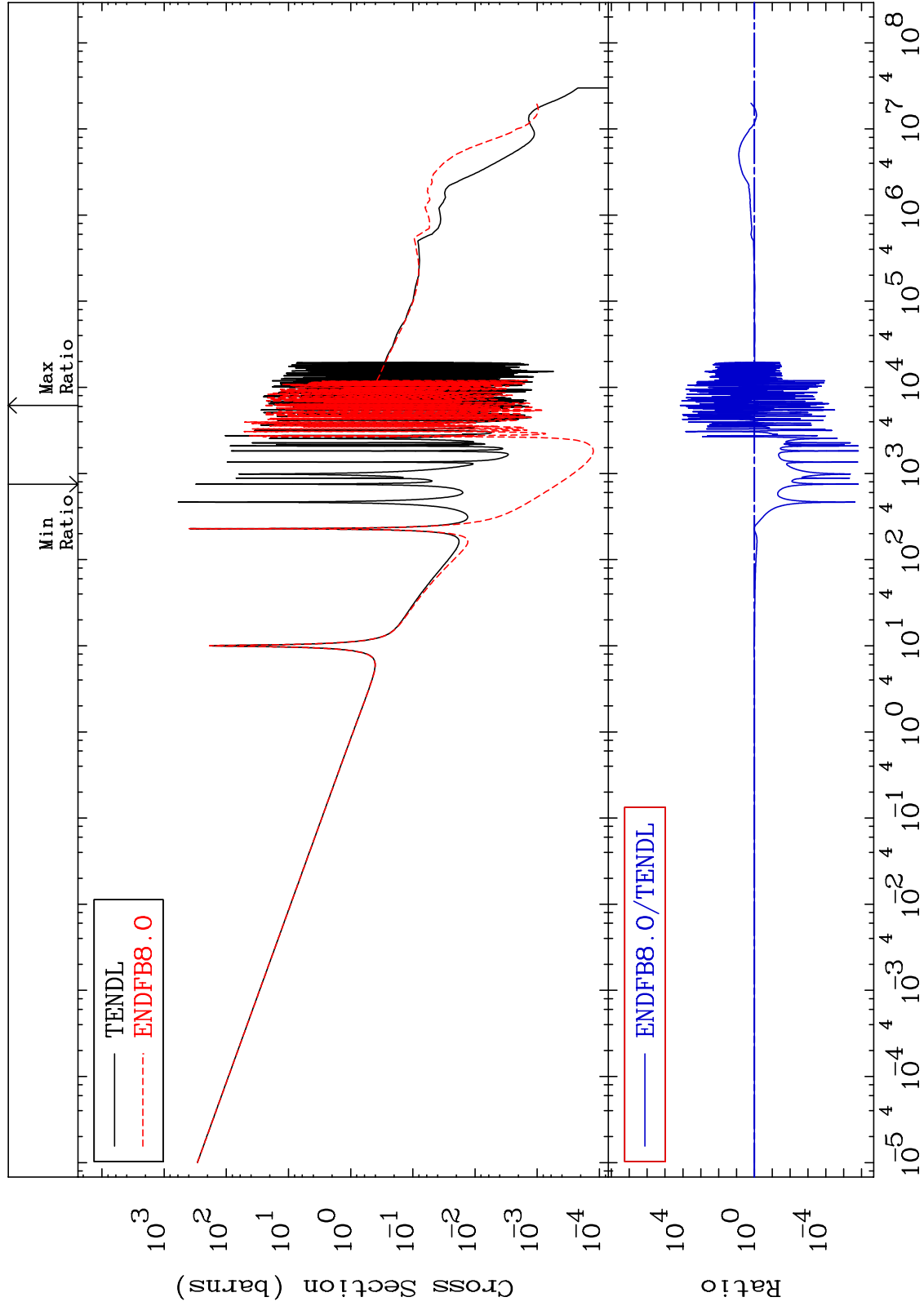
44-Ru-100  
-93.11 To -1.361%



MAT 4437

(n,  $\gamma$ )  
Cross Section

44-Ru-100  
-100.0 To 9999. %



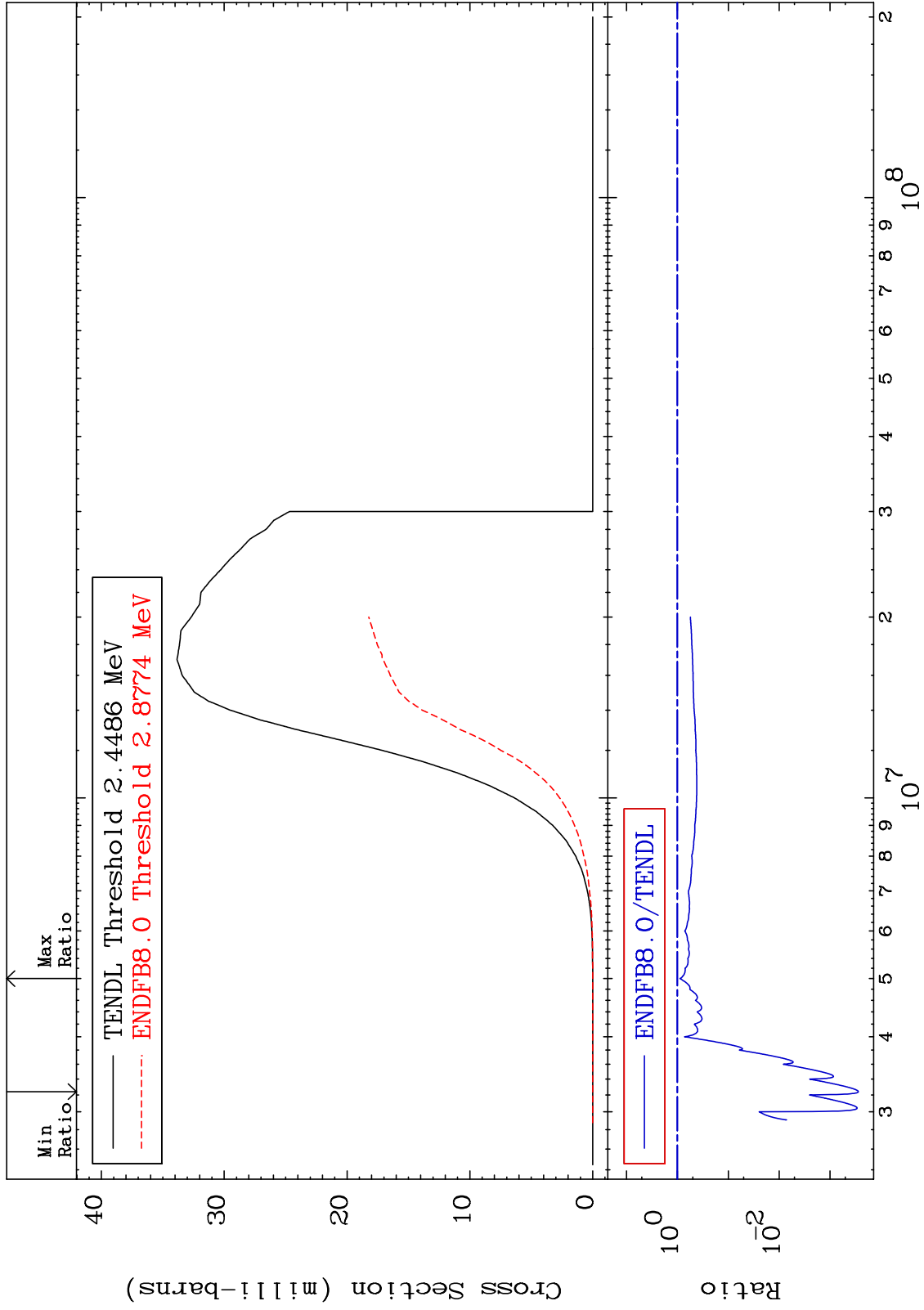
MAT 4437

(n, p)

44-Ru-100

Cross Section

-99.97 To -11.11%



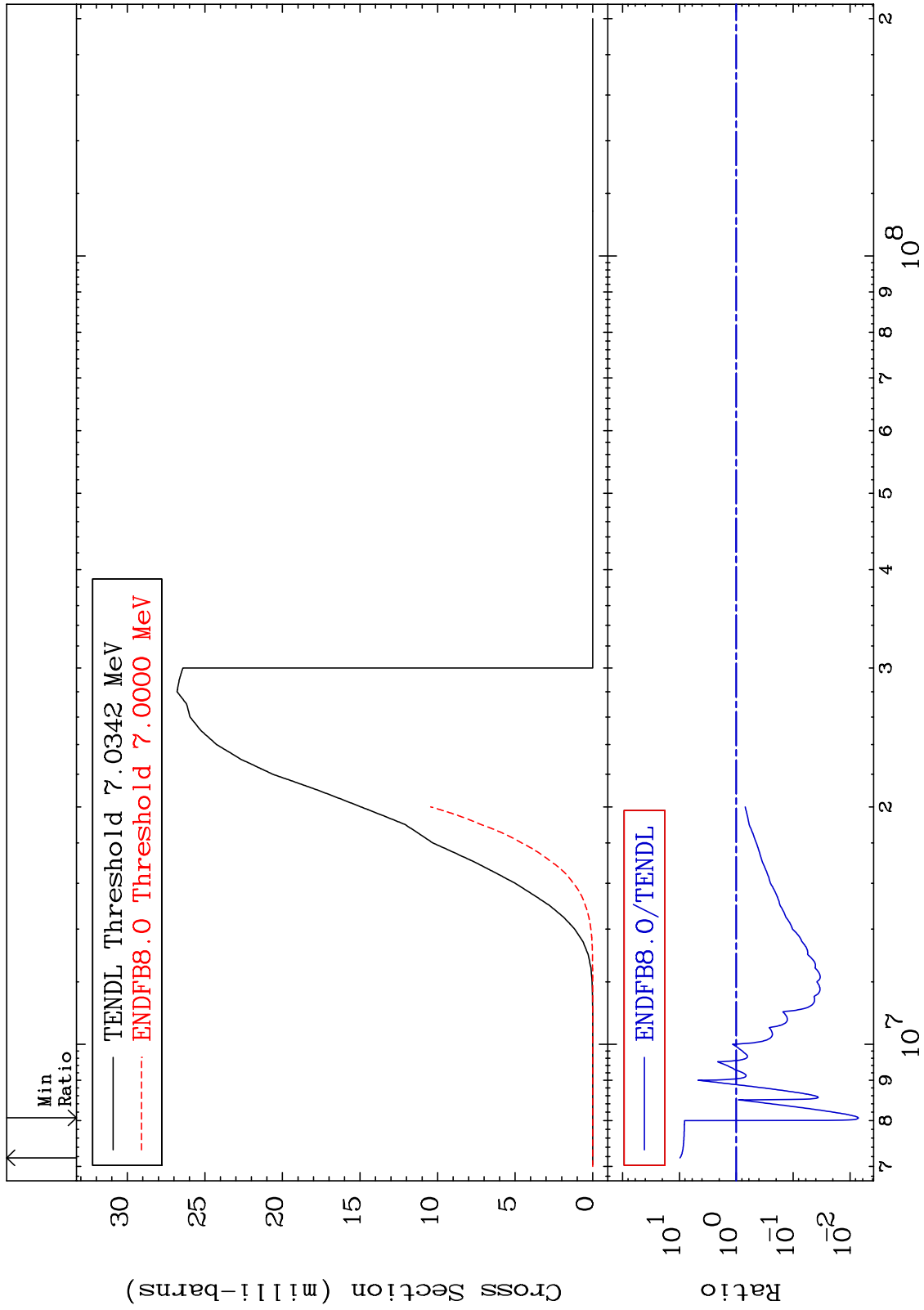
MAT 4437

(n, d)

44-Ru-100

Cross Section

-99.29 To 877.7 %



28

Incident Energy (eV)

44-Ru-100

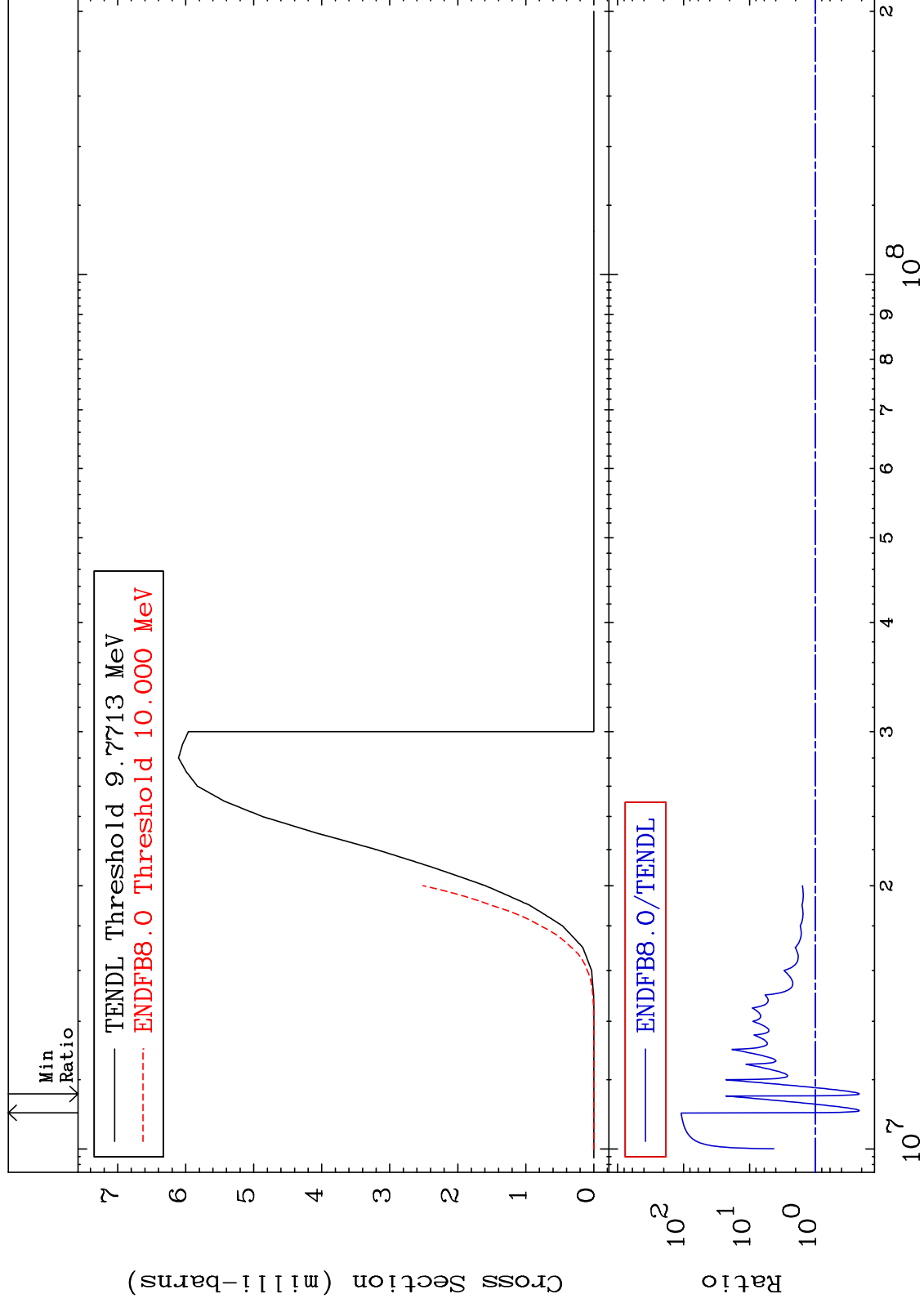
MAT 4437

(n, t)

44-Ru-100

Cross Section

-78.36 To 9999. %



29

Incident Energy (eV)

44-Ru-100

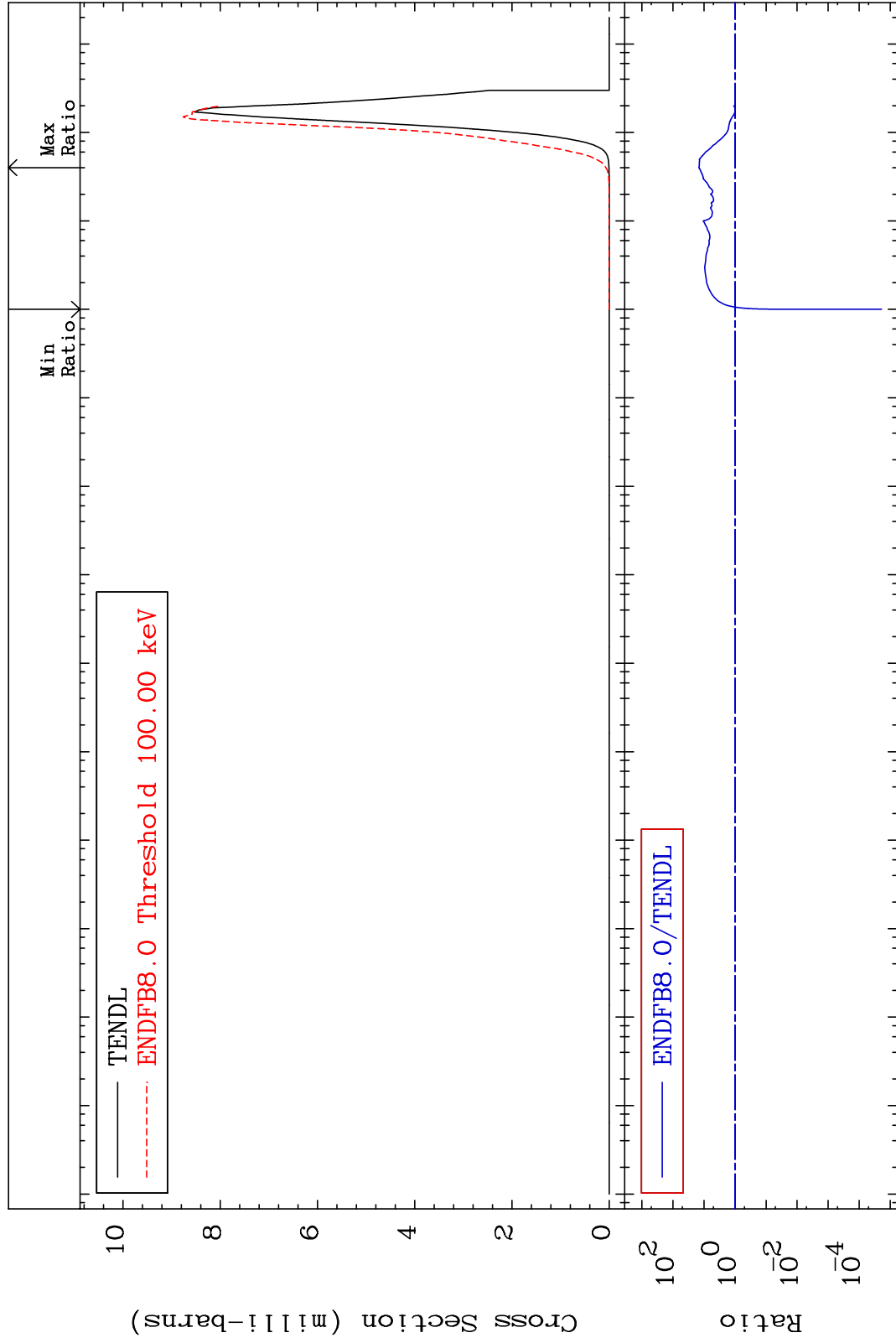
MAT 4437

(n,  $\alpha$ )

44-Ru-100

Cross Section

-100.0 To 1379. %



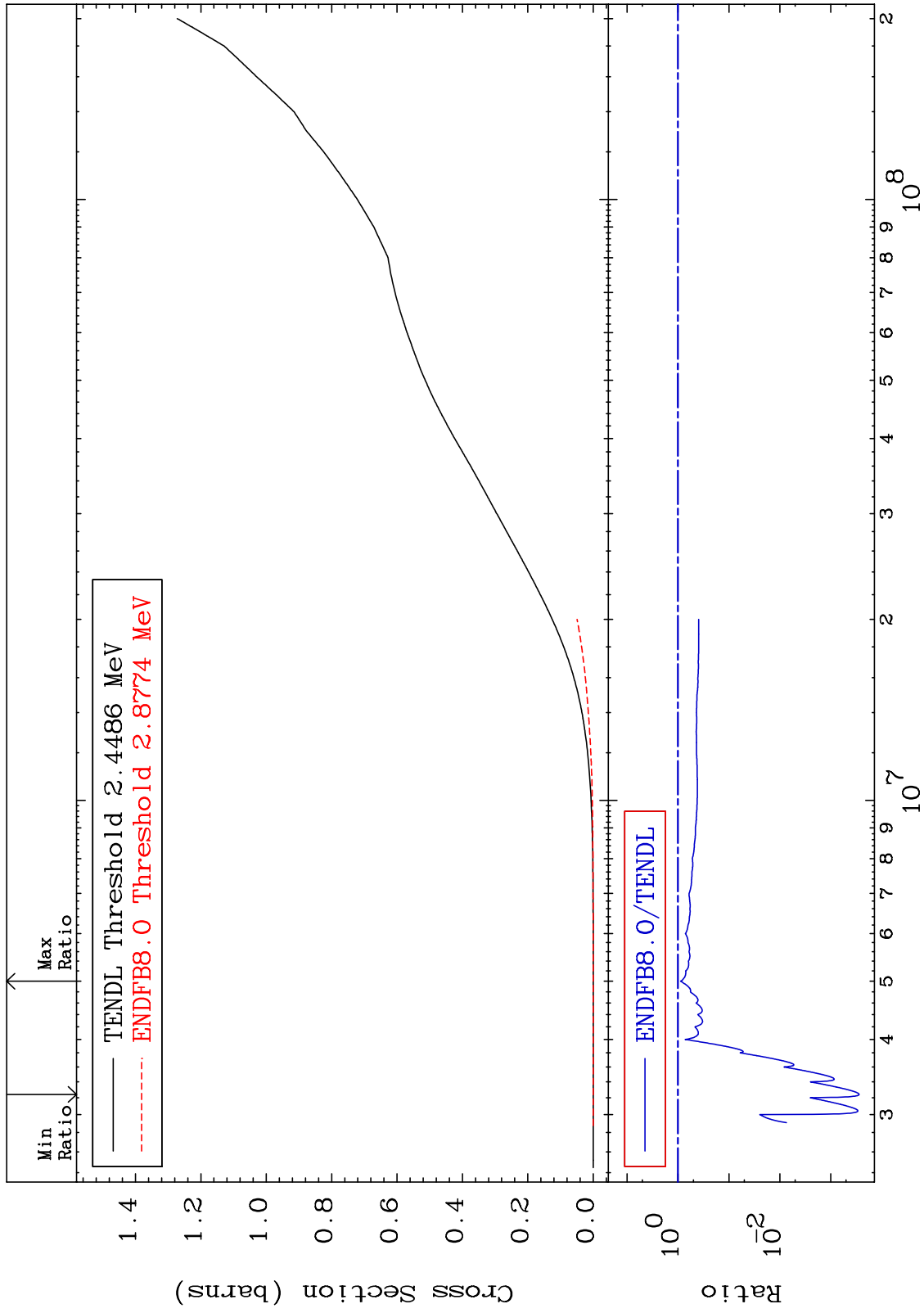
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>4</sup> 10<sup>4</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

44-Ru-100

MAT 4437

Hydrogen Production  
Cross Section

44-Ru-100  
-99.97 To -11.11%

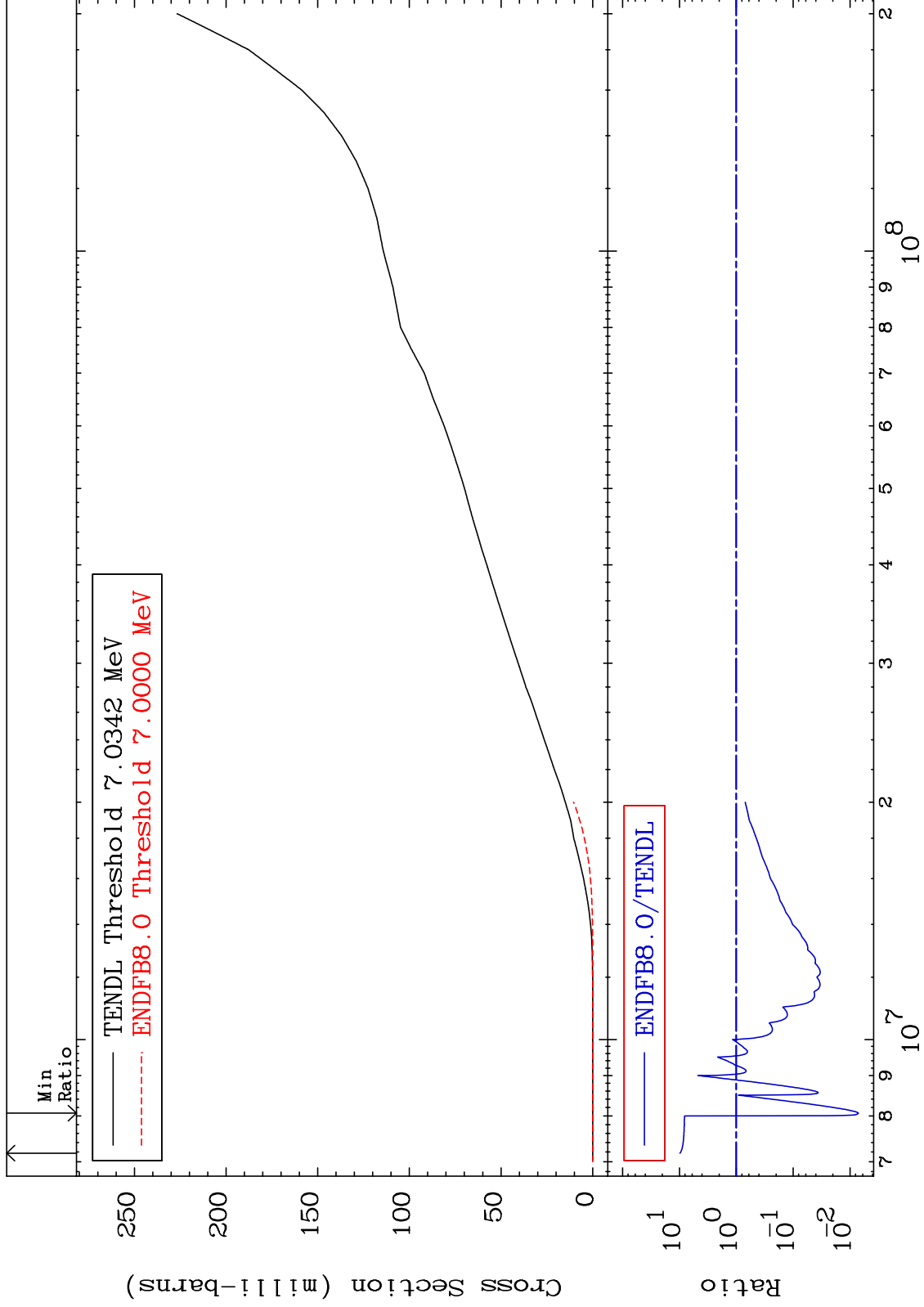




MAT 4437

Deuterium Production  
Cross Section

44-Ru-100  
-99.29 To 877.7 %



32

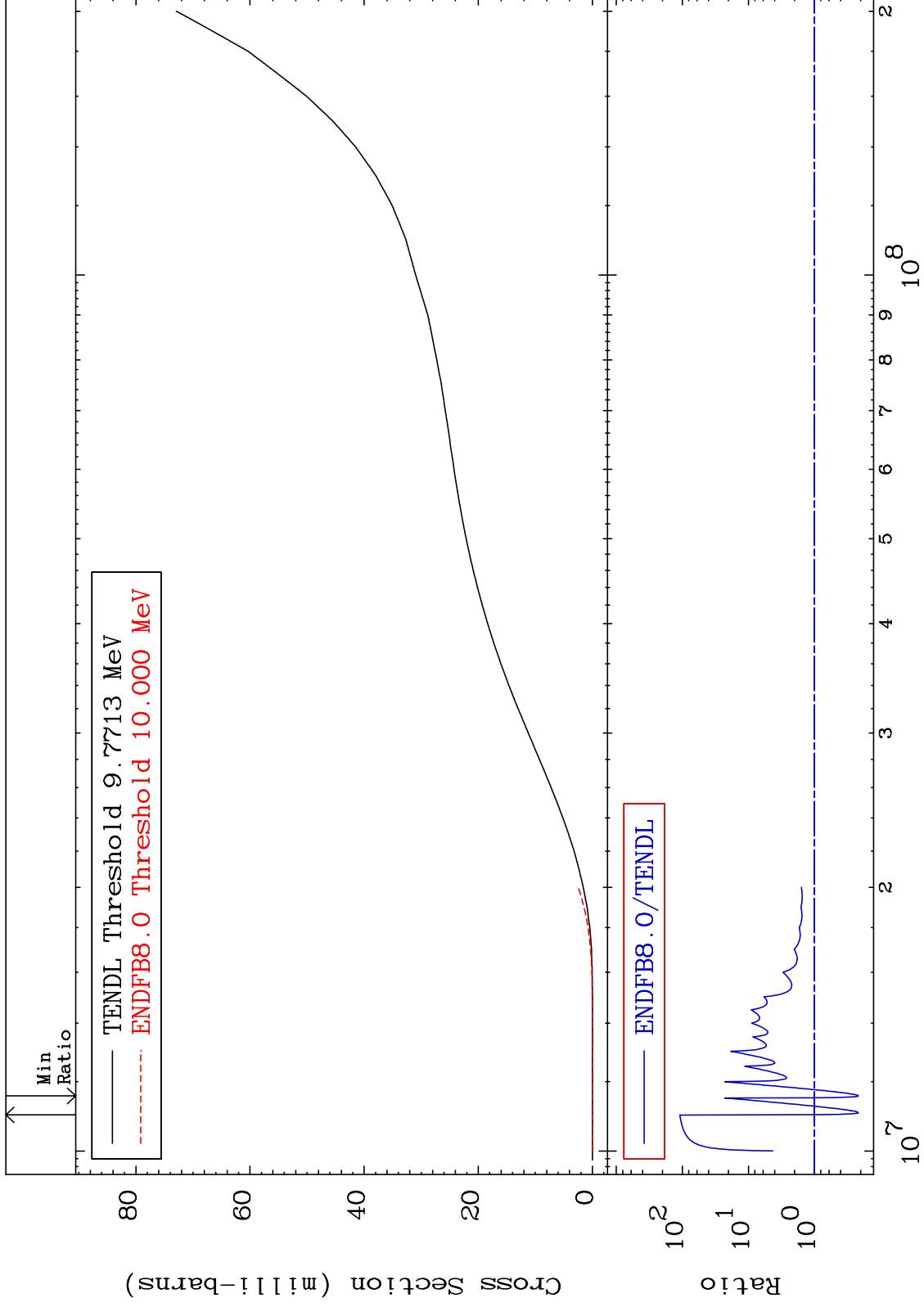
Incident Energy (eV)

44-Ru-100

MAT 4437

Tritium Production  
Cross Section

44-Ru-100  
-78.36 To 9999. %



33

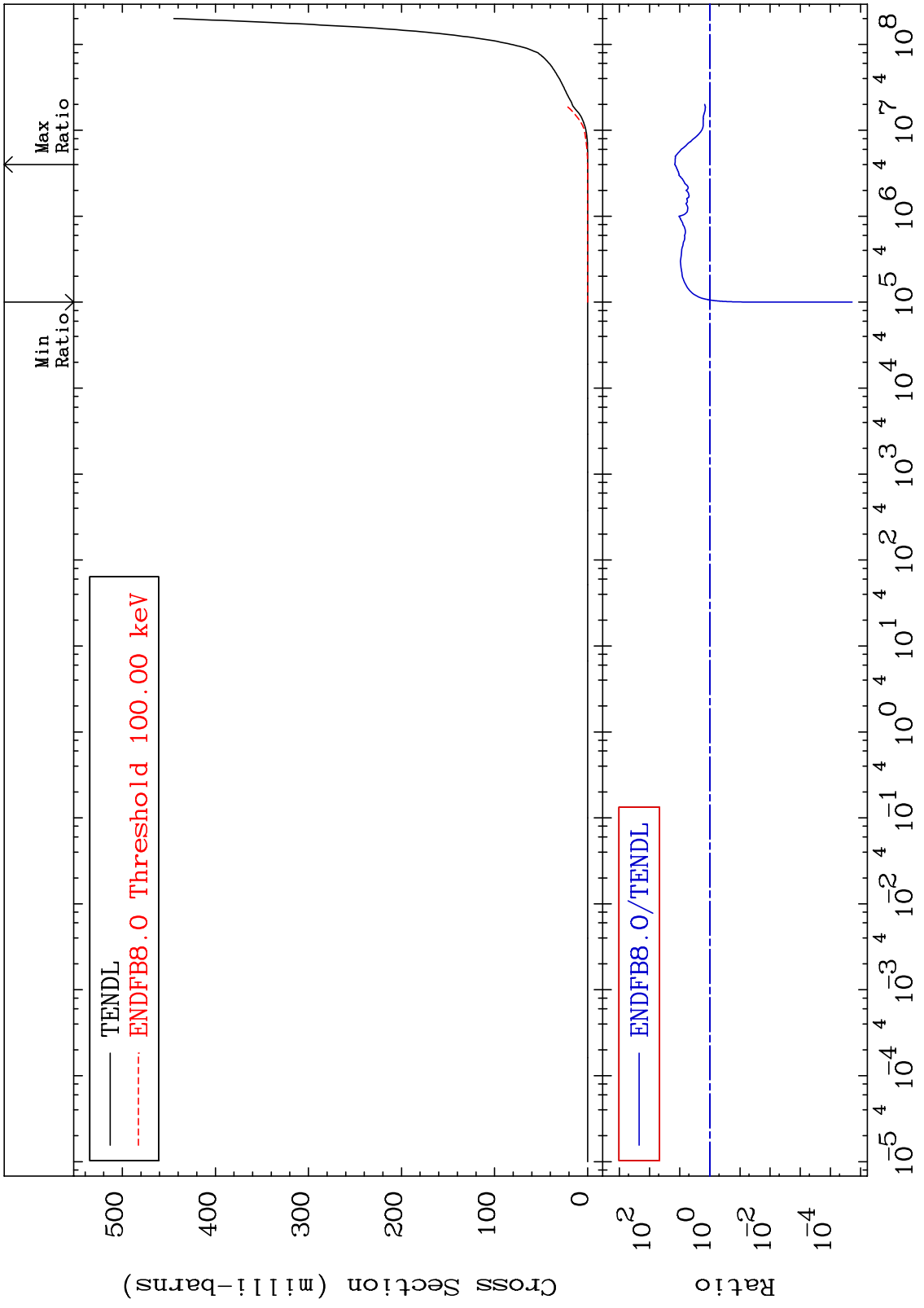
Incident Energy (eV)

44-Ru-100

MAT 4437

He-4 Production  
Cross Section

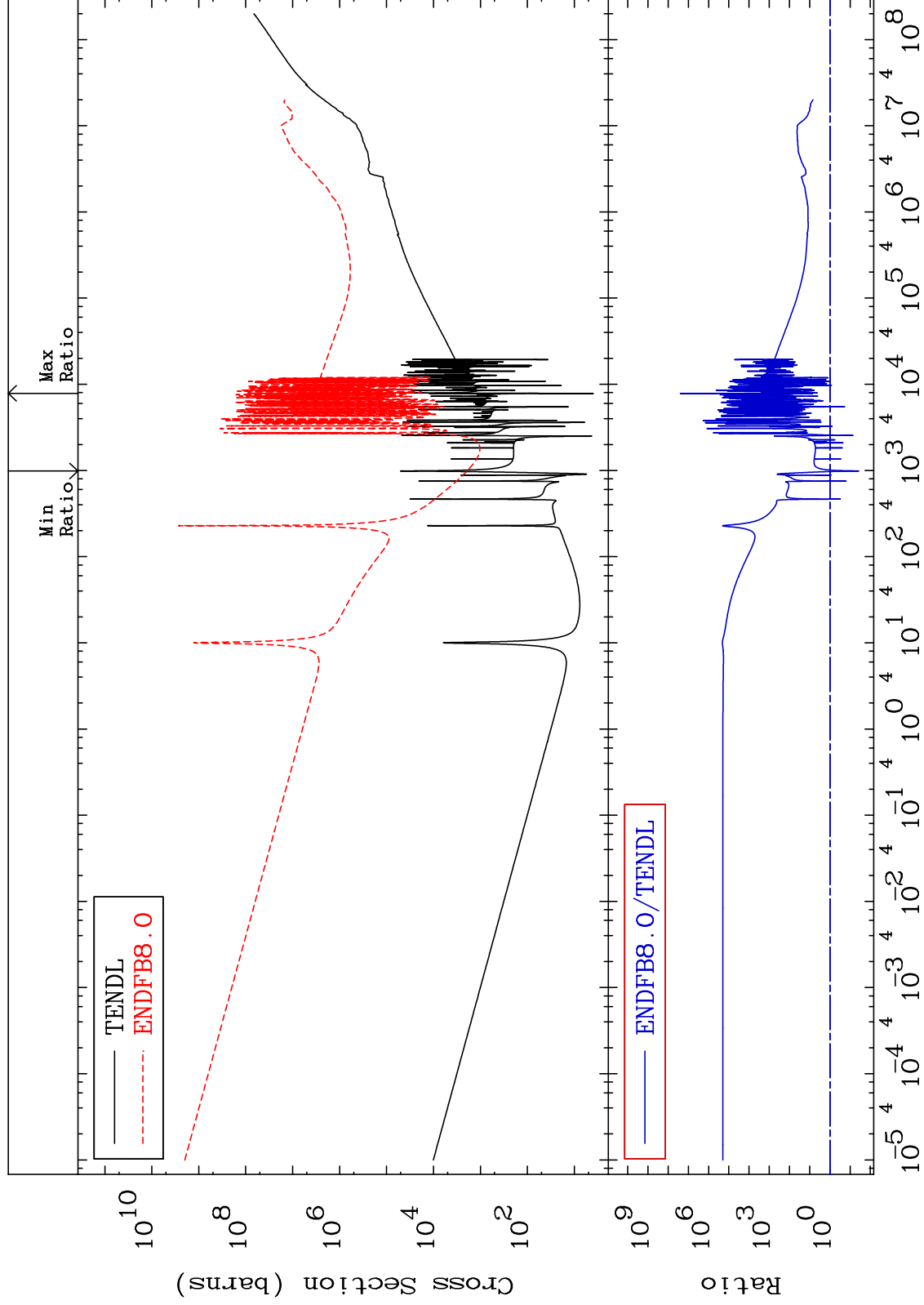
44-Ru-100  
-100.0 To 1379. %



MAT 4437

Kerma total (eV-barns)  
Cross Section

44-Ru-100  
-96.16 To 9999. %



35

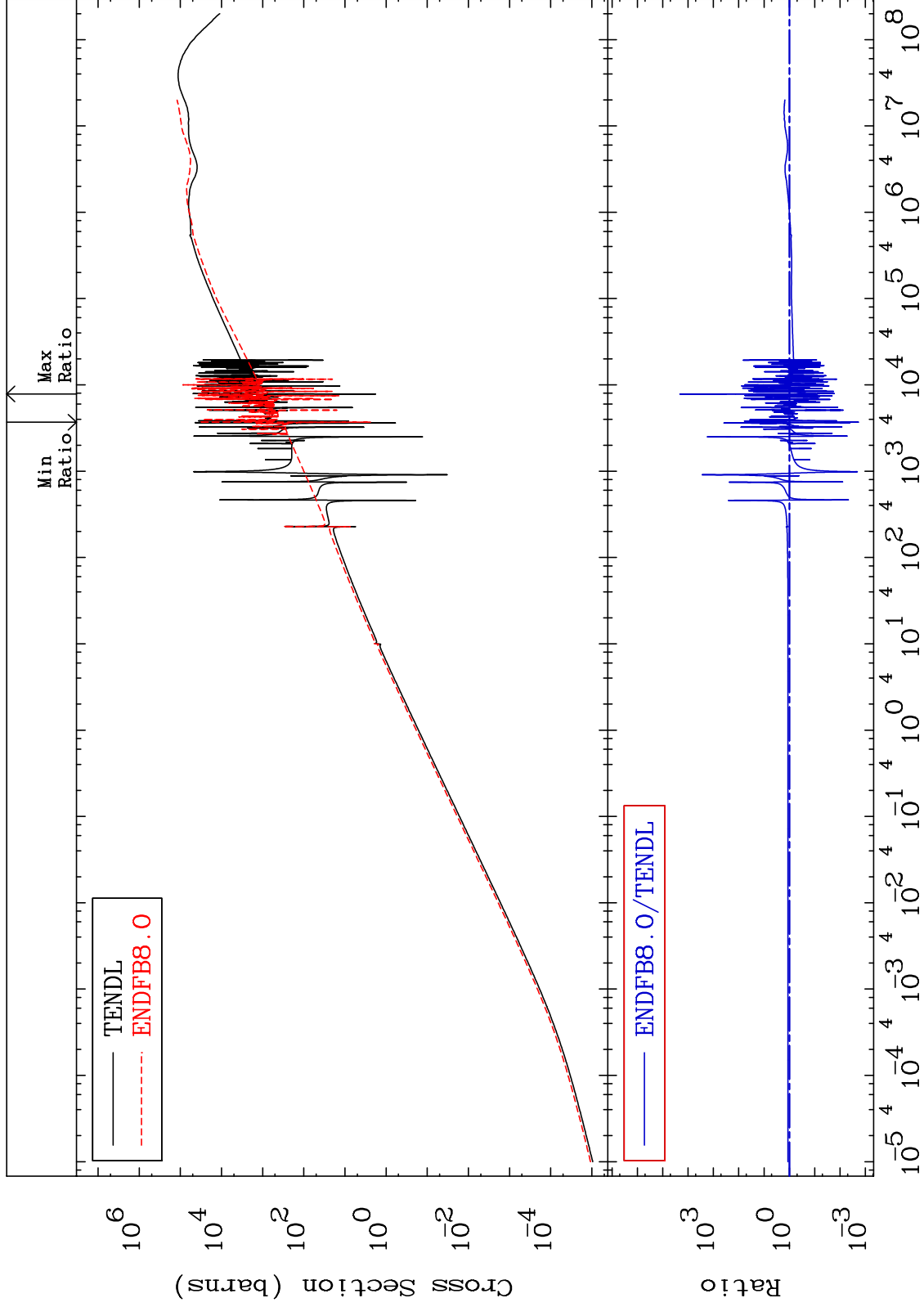
Incident Energy (eV)

44-Ru-100

MAT 4437

Kerma elastic  
Cross Section

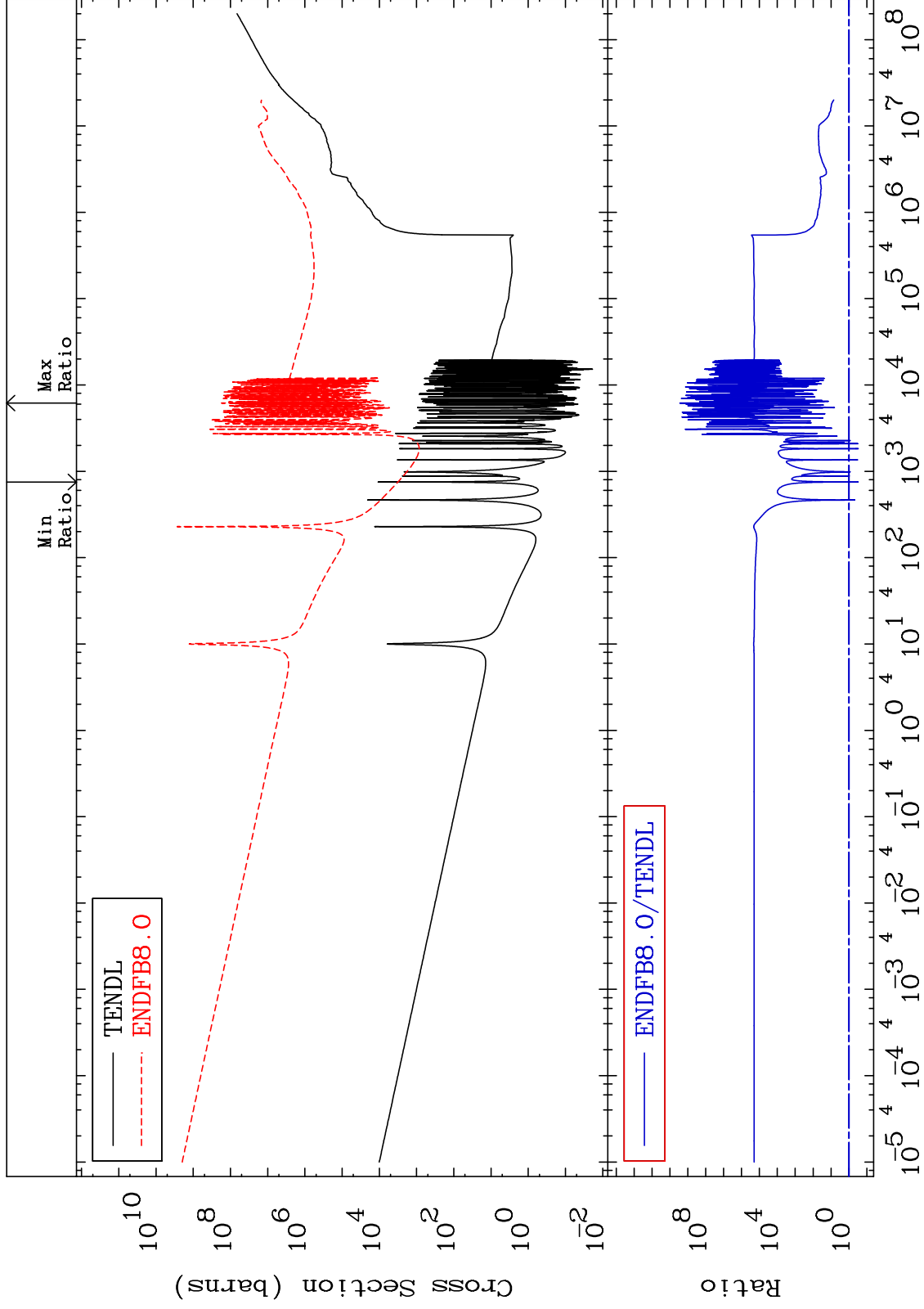
44-Ru-100  
-99.81 To 9999. %



MAT 4437

Kerma non-elastic (all but mt2)  
Cross Section

44-Ru-100  
-70.57 To 9999. %



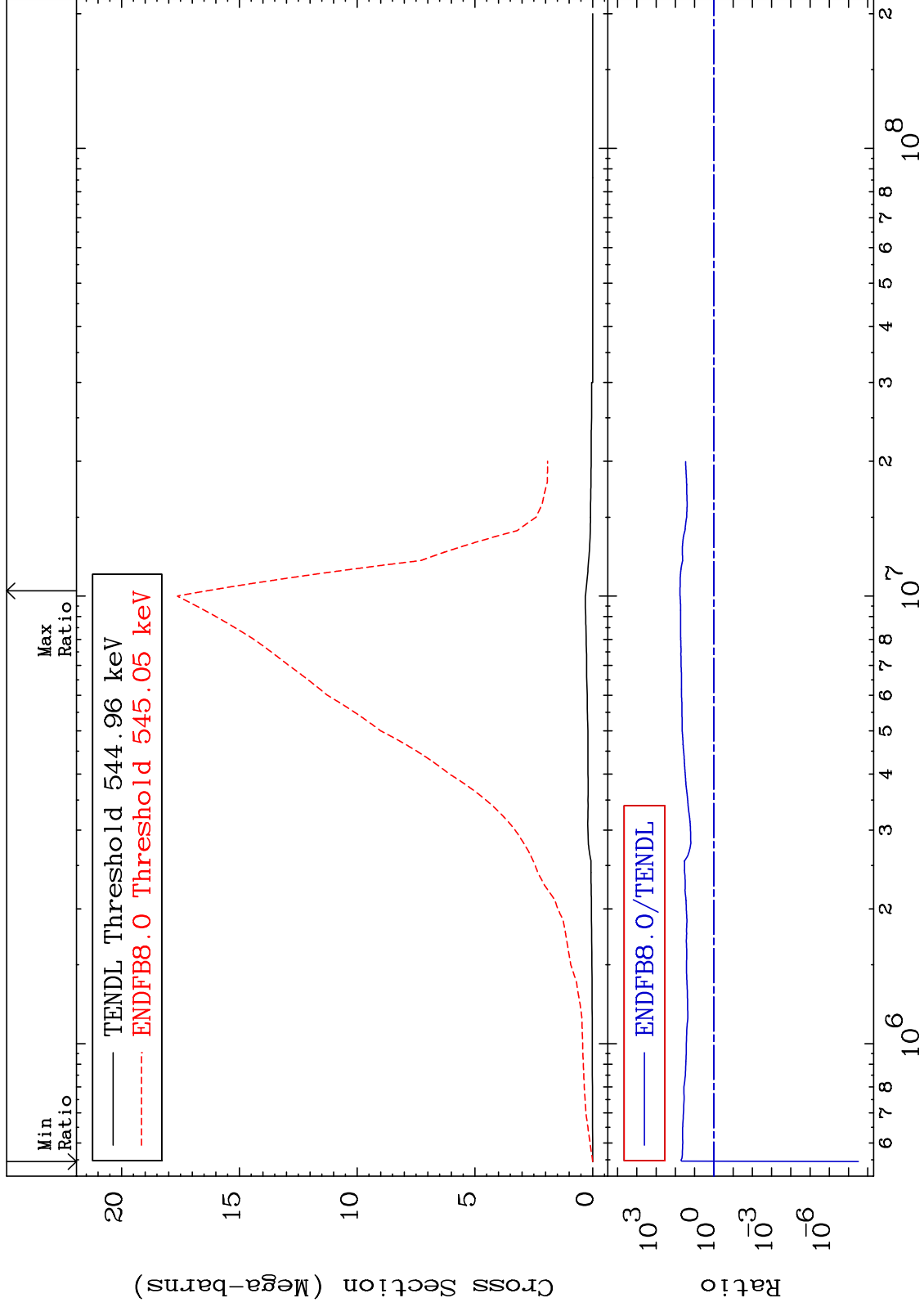
37

44-Ru-100

MAT 4437

Kerma inelastic (mt51-91)  
Cross Section

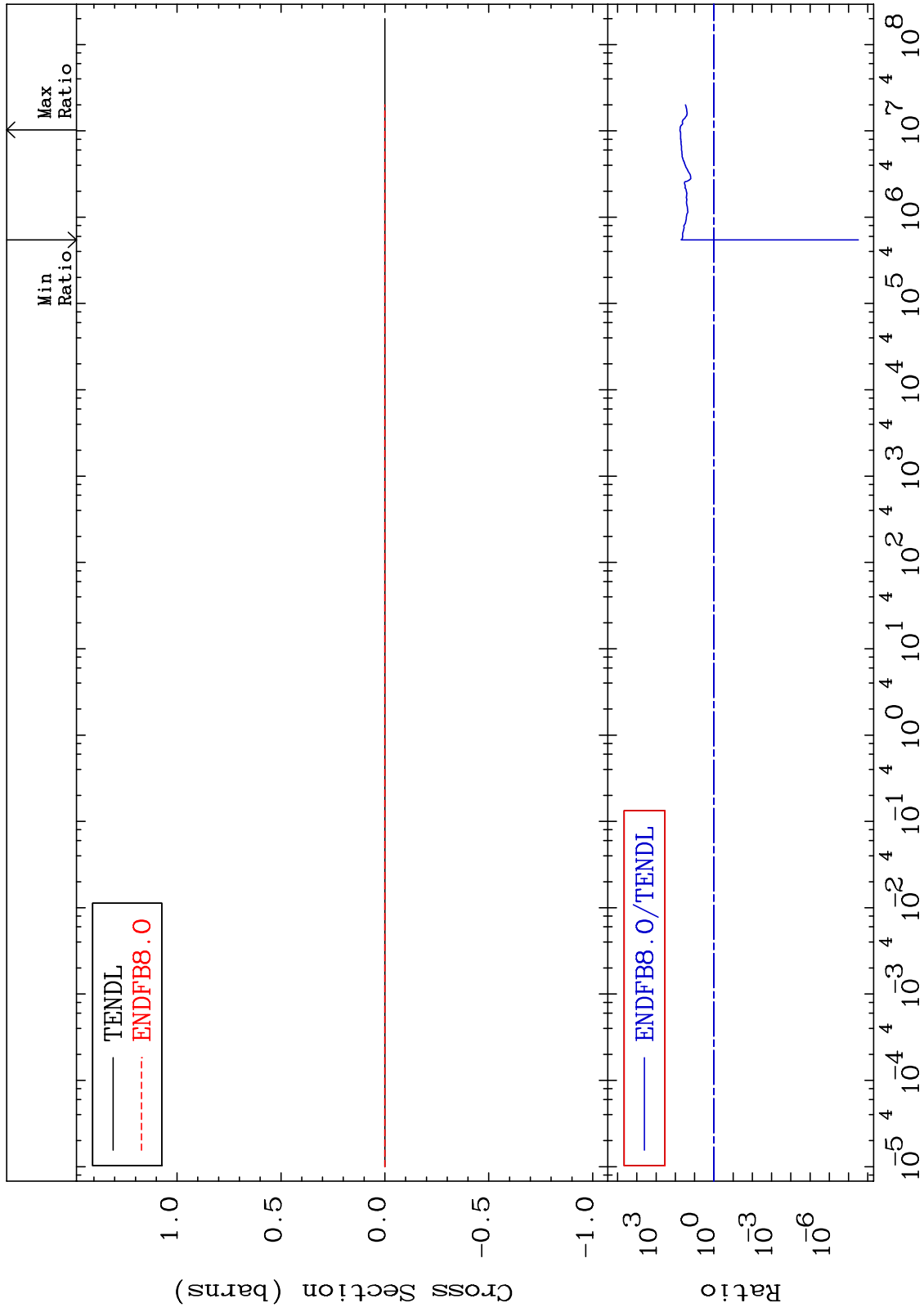
44-Ru-100  
-100.0 To 5625. %



MAT 4437

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

44-Ru-100  
-100.0 To 5625. %



39

Incident Energy (eV)

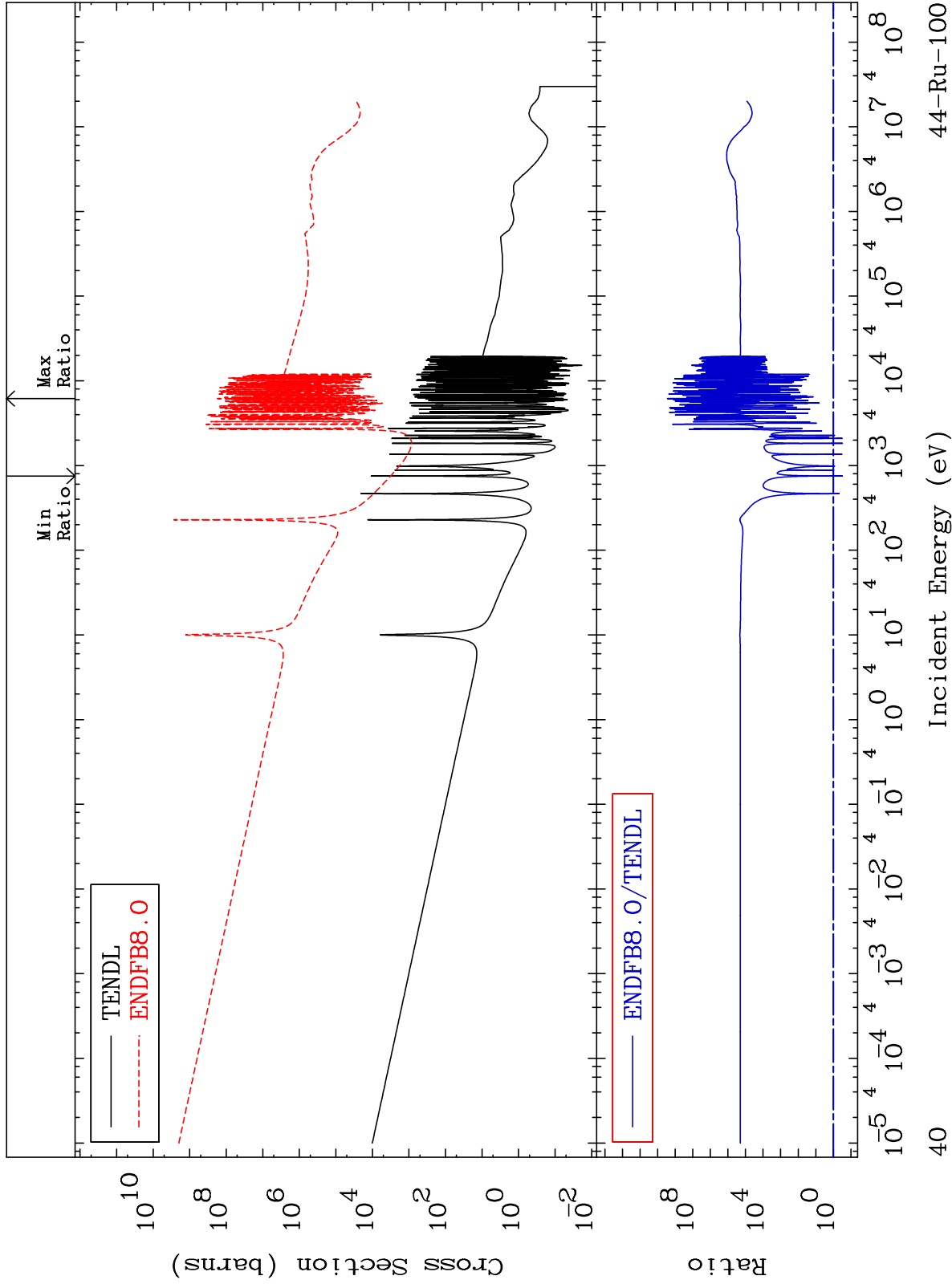
44-Ru-100



MAT 4437

Kerma capture (mt102)  
Cross Section

44-Ru-100  
-70.57 To 9999. %



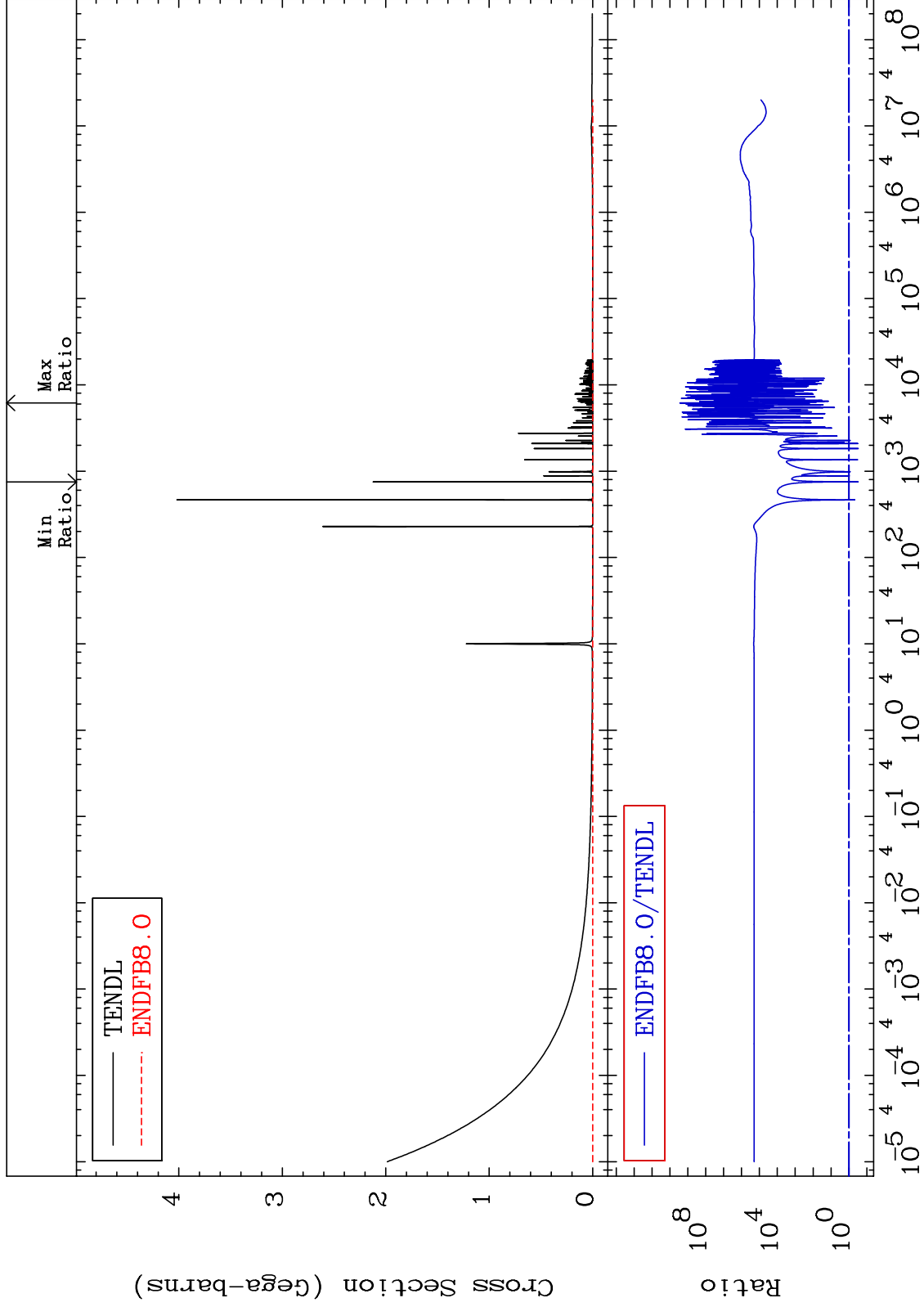
40

44-Ru-100

MAT 4437

Total photon (eV-barns)  
Cross Section

44-Ru-100  
-70.57 To 9999. %



41

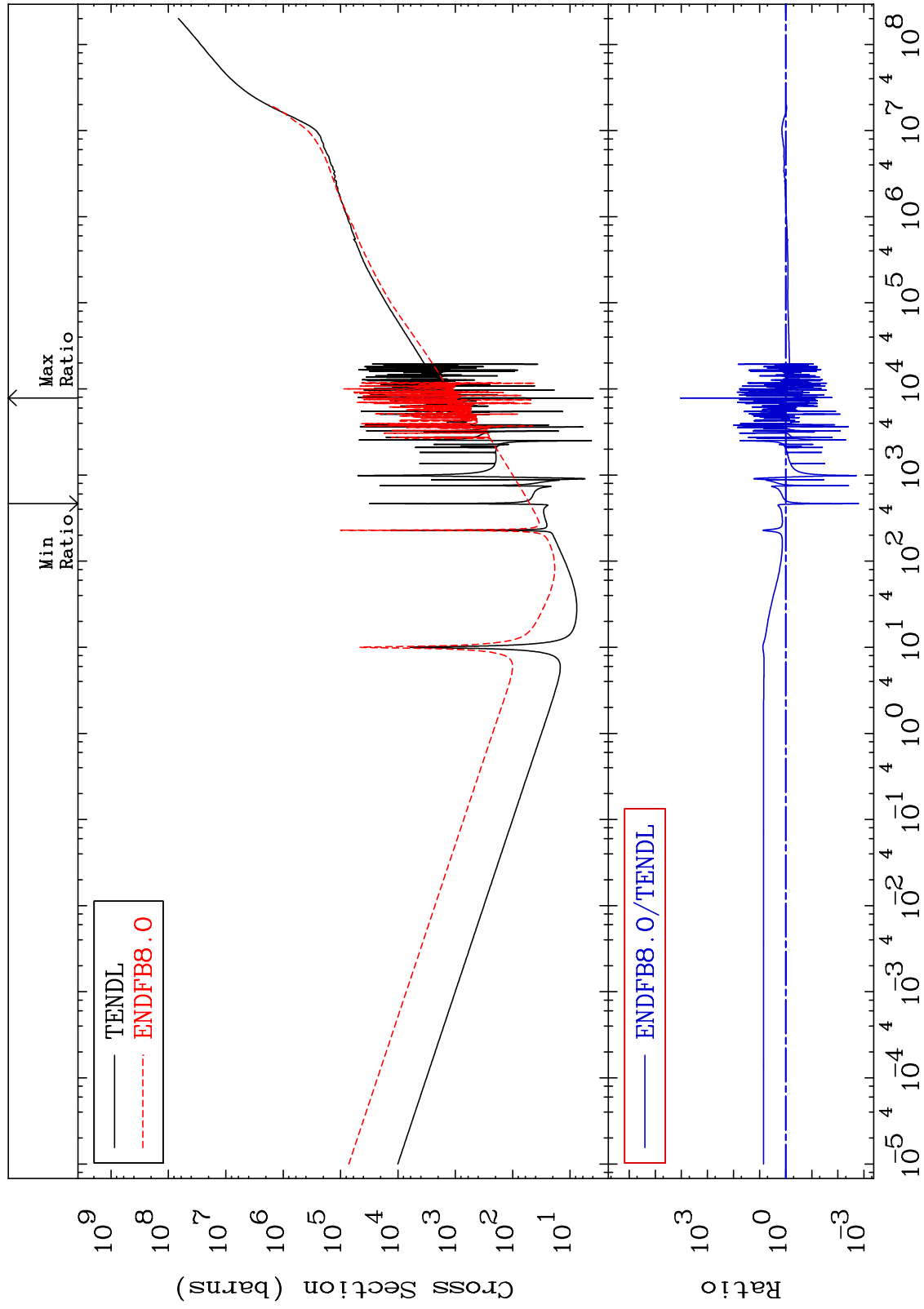
Incident Energy (eV)

44-Ru-100

MAT 4437

Total kinematic kerma (high limit)  
Cross Section

44-Ru-100  
-99.84 To 9999. %



42

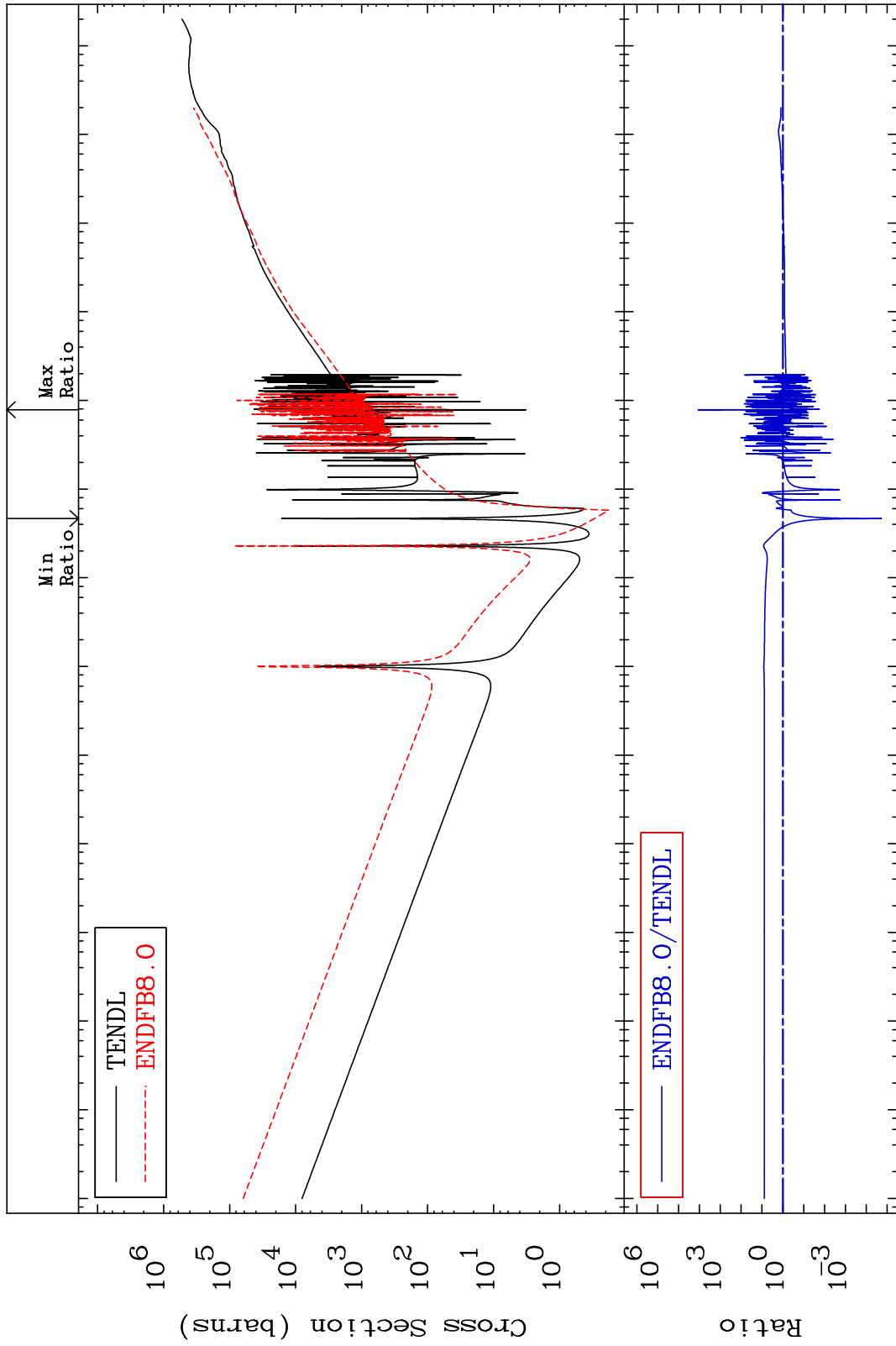
Incident Energy (eV)

44-Ru-100

MAT 4437

Dpa total (eV-barns)  
Cross Section

44-Ru-100  
-100.0 To 9999. %



43

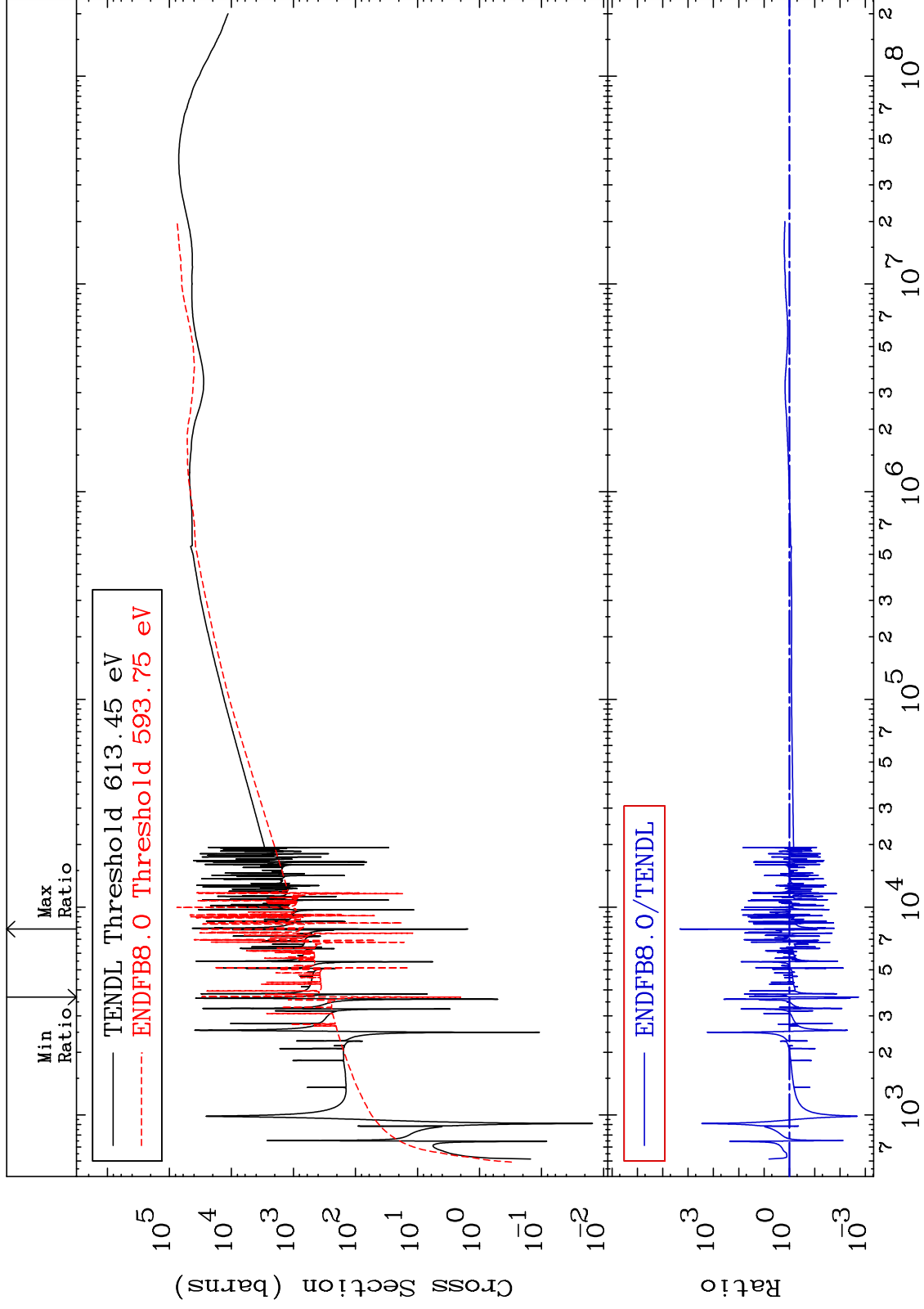
Incident Energy (eV)

44-Ru-100

MAT 4437

Dpa elastic (mt2)  
Cross Section

44-Ru-100  
-99.81 To 9999. %



44

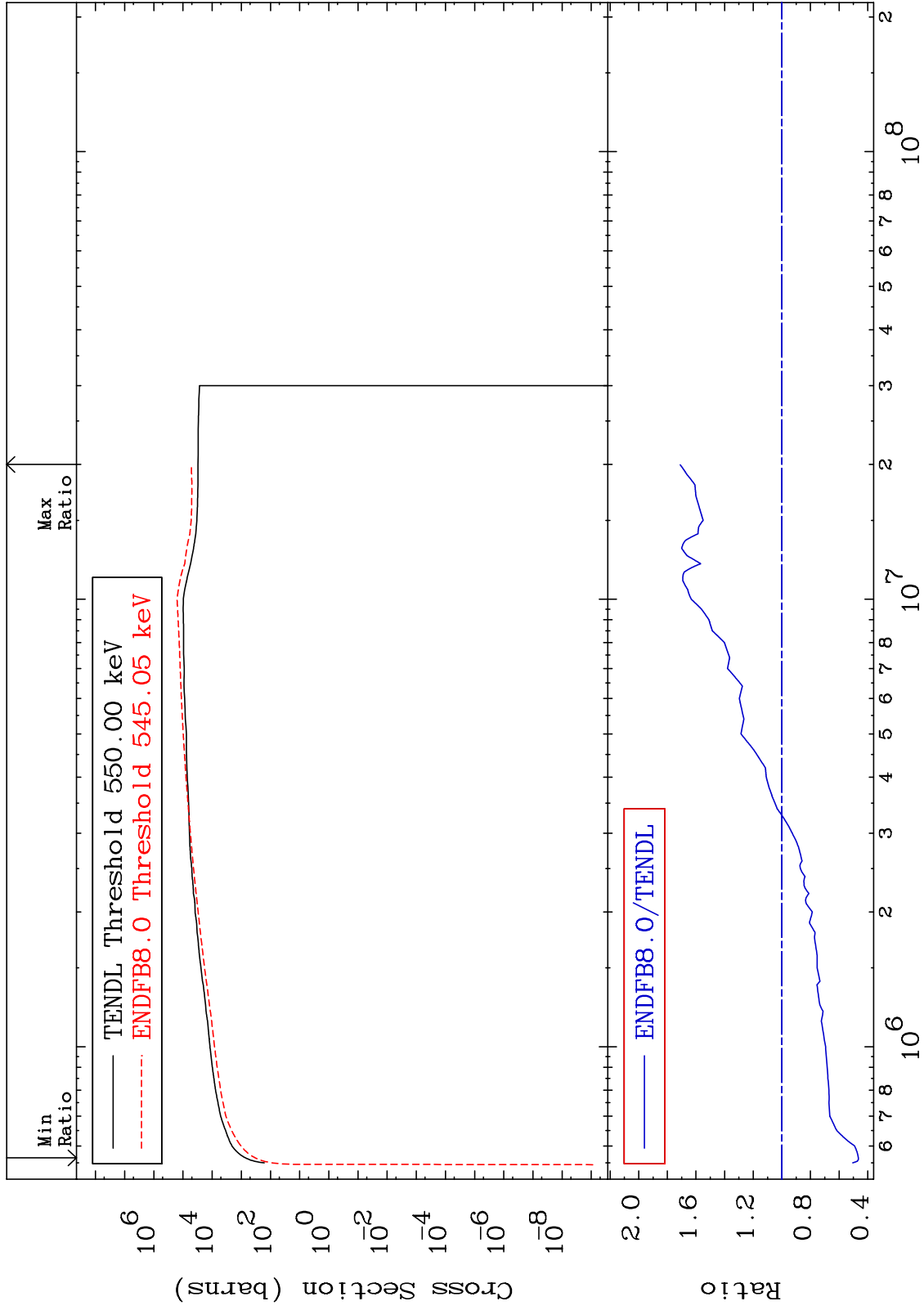
Incident Energy (eV)

44-Ru-100

MAT 4437

Dpa inelastic (mt51-91)  
Cross Section

44-Ru-100  
-53.50 To 71.14 %



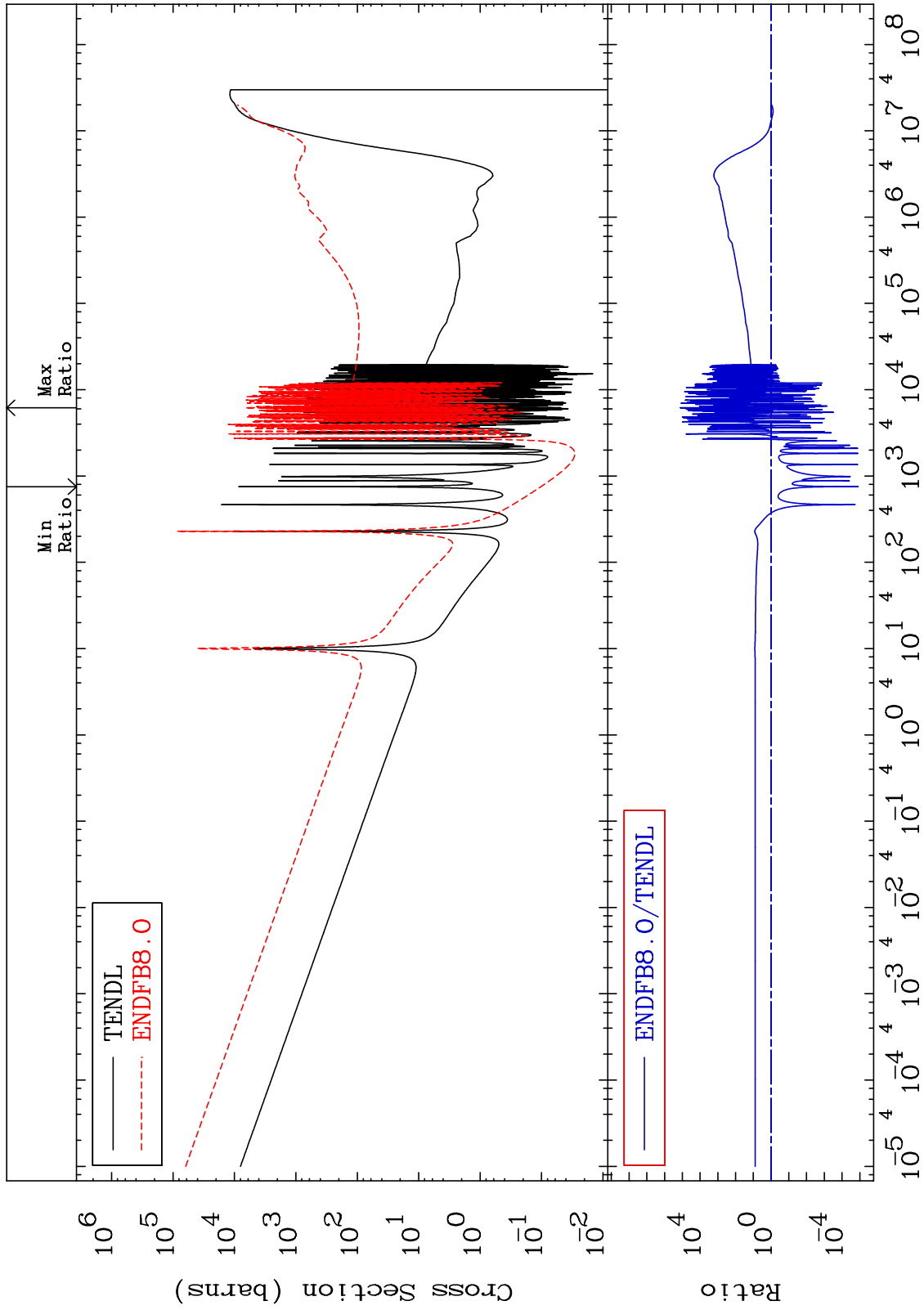
45

44-Ru-100

MAT 4437

Dpa disappearance (mt102 -120)  
Cross Section

44-Ru-100  
-100.0 To 9999. %



46

Incident Energy (eV)

44-Ru-100