

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

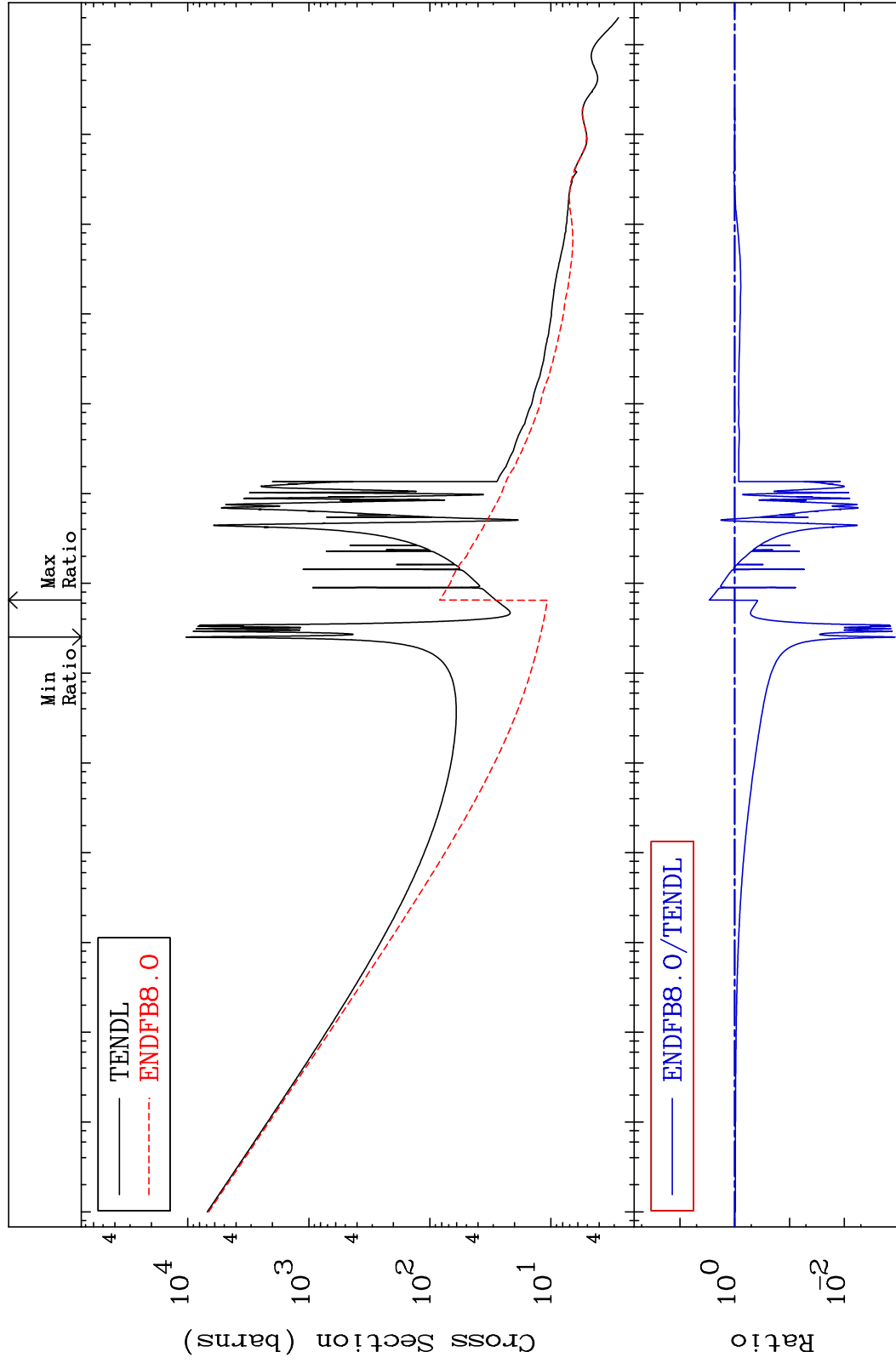
MAT 7249

Total

<sup>72</sup>Hf-182

Cross Section

-99.88 To 191.3 %



Ratio

Incident Energy (eV)

<sup>72</sup>Hf-182

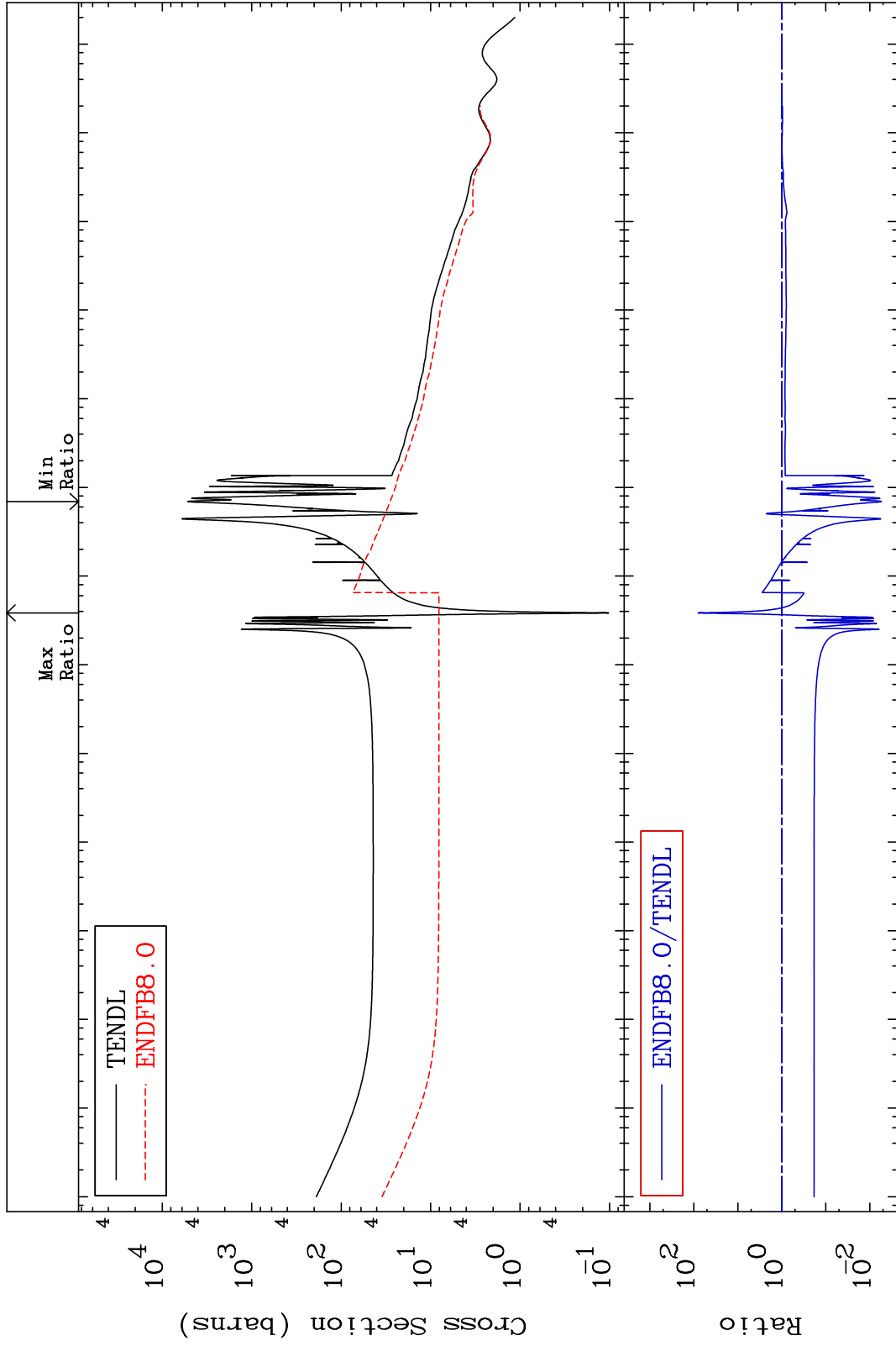
MAT 7249

Elastic

<sup>72</sup>Hf-182

-99.46 To 7802. %

Cross Section



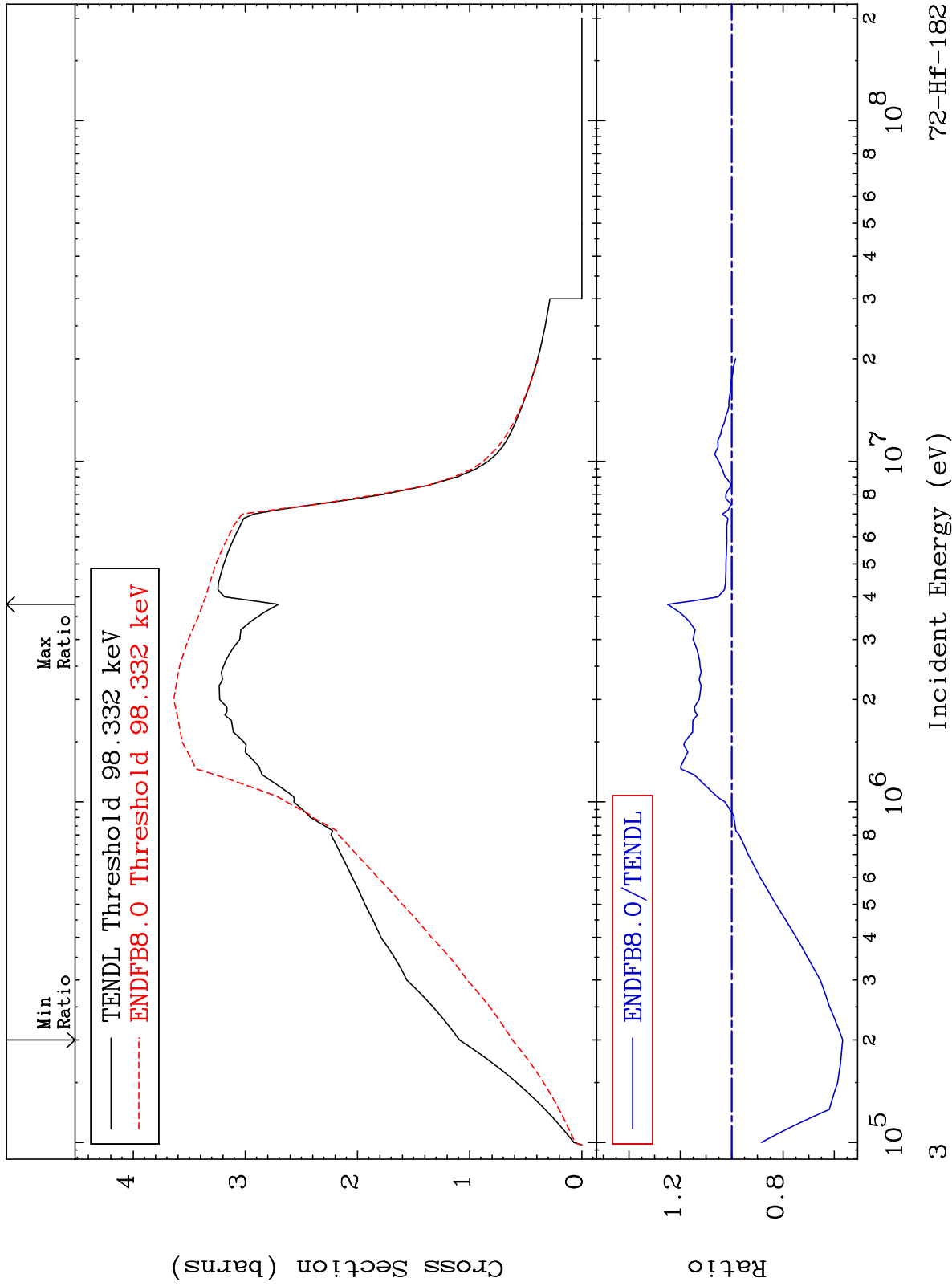
Incident Energy (eV)

<sup>72</sup>Hf-182

MAT 7249

Inelastic  
Cross Section

72-Hf-182  
-43.23 To 24.95 %



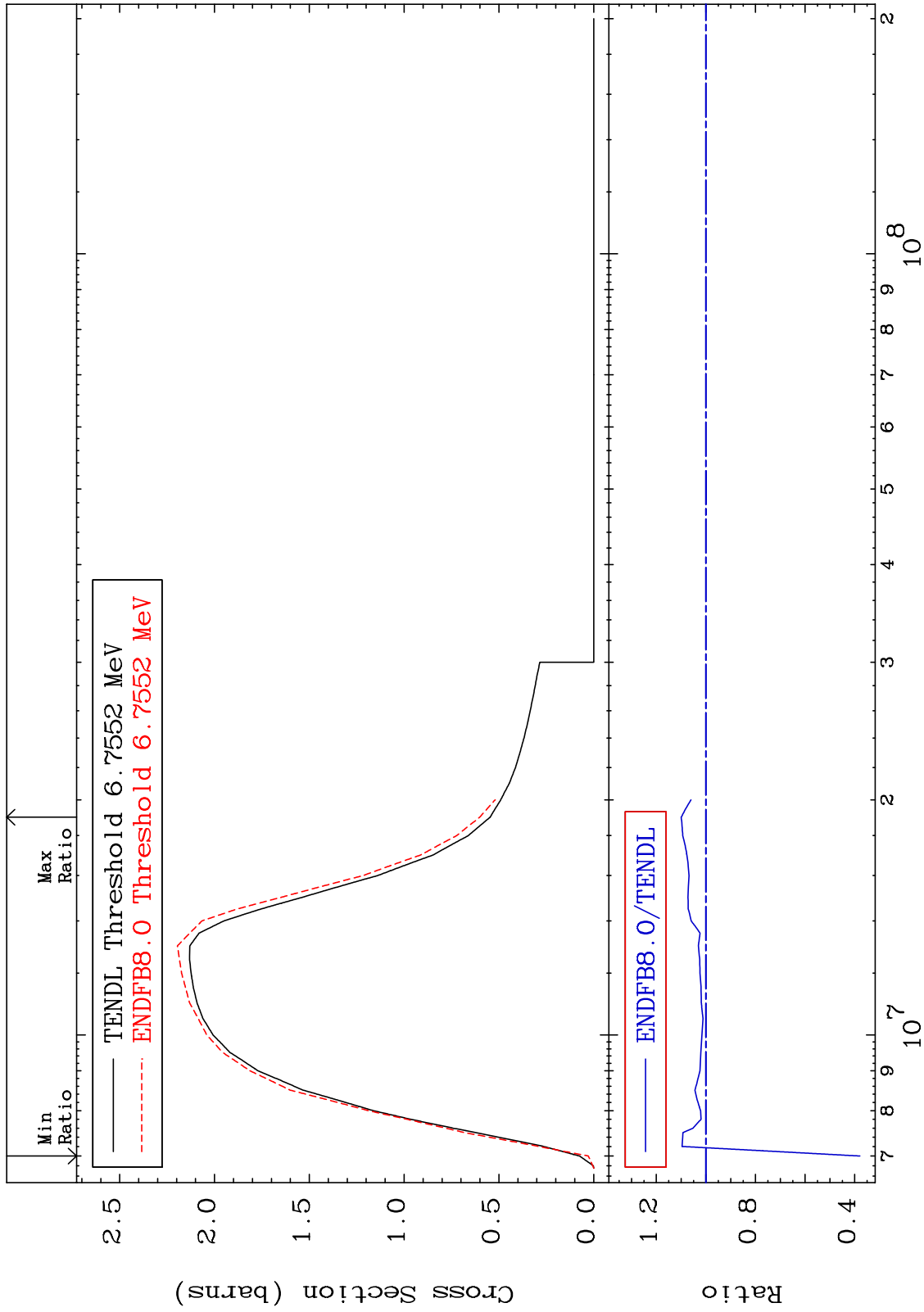
MAT 7249

(n,2n)

72-Hf-182

Cross Section

-62.09 To 9.956 %



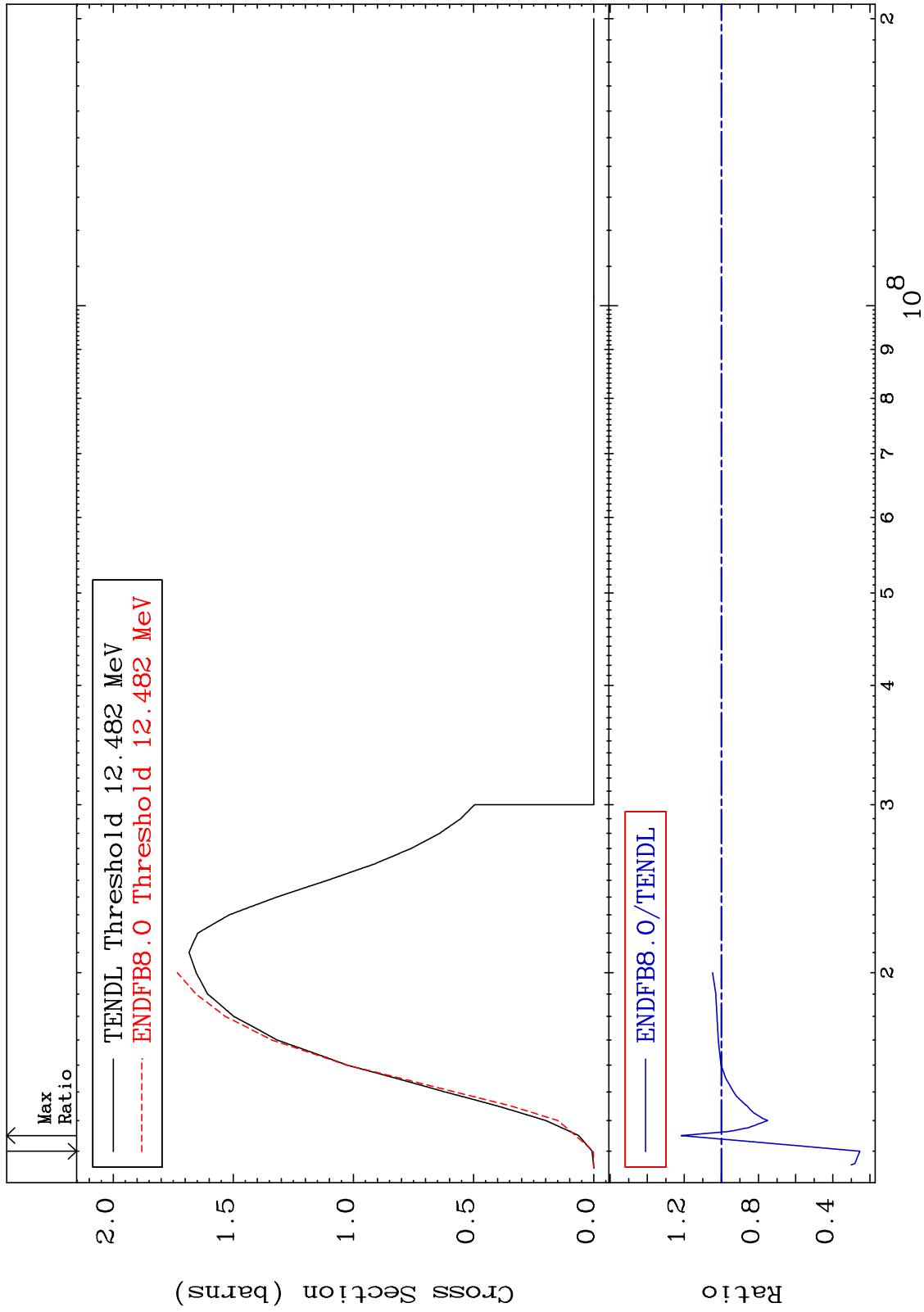
MAT 7249

(n, 3n)

<sup>72</sup>Hf-182

Cross Section

-74.65 To 21.66 %



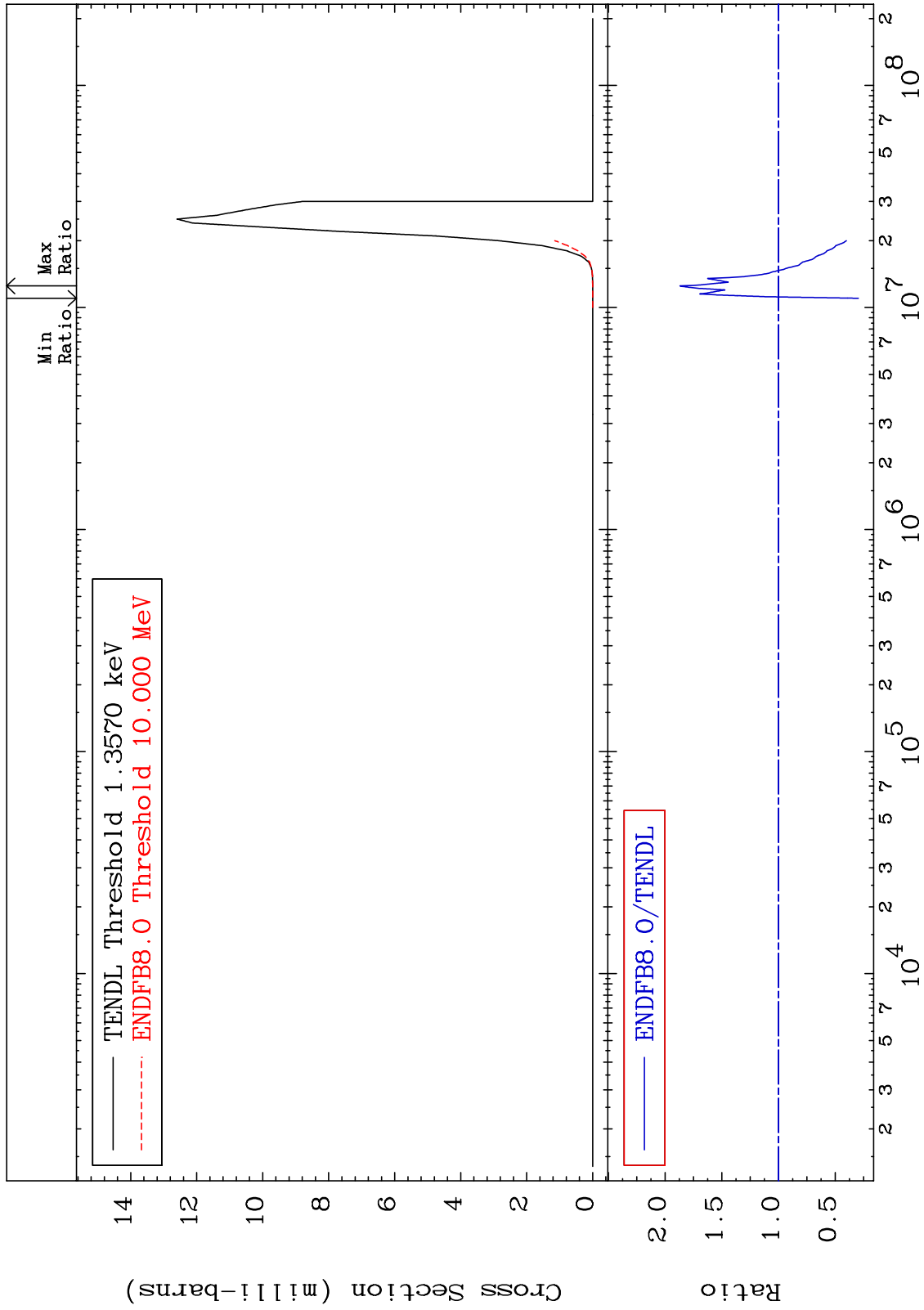
MAT 7249

(n,n')  $\alpha$

72-Hf-182

Cross Section

-70.38 To 86.82 %



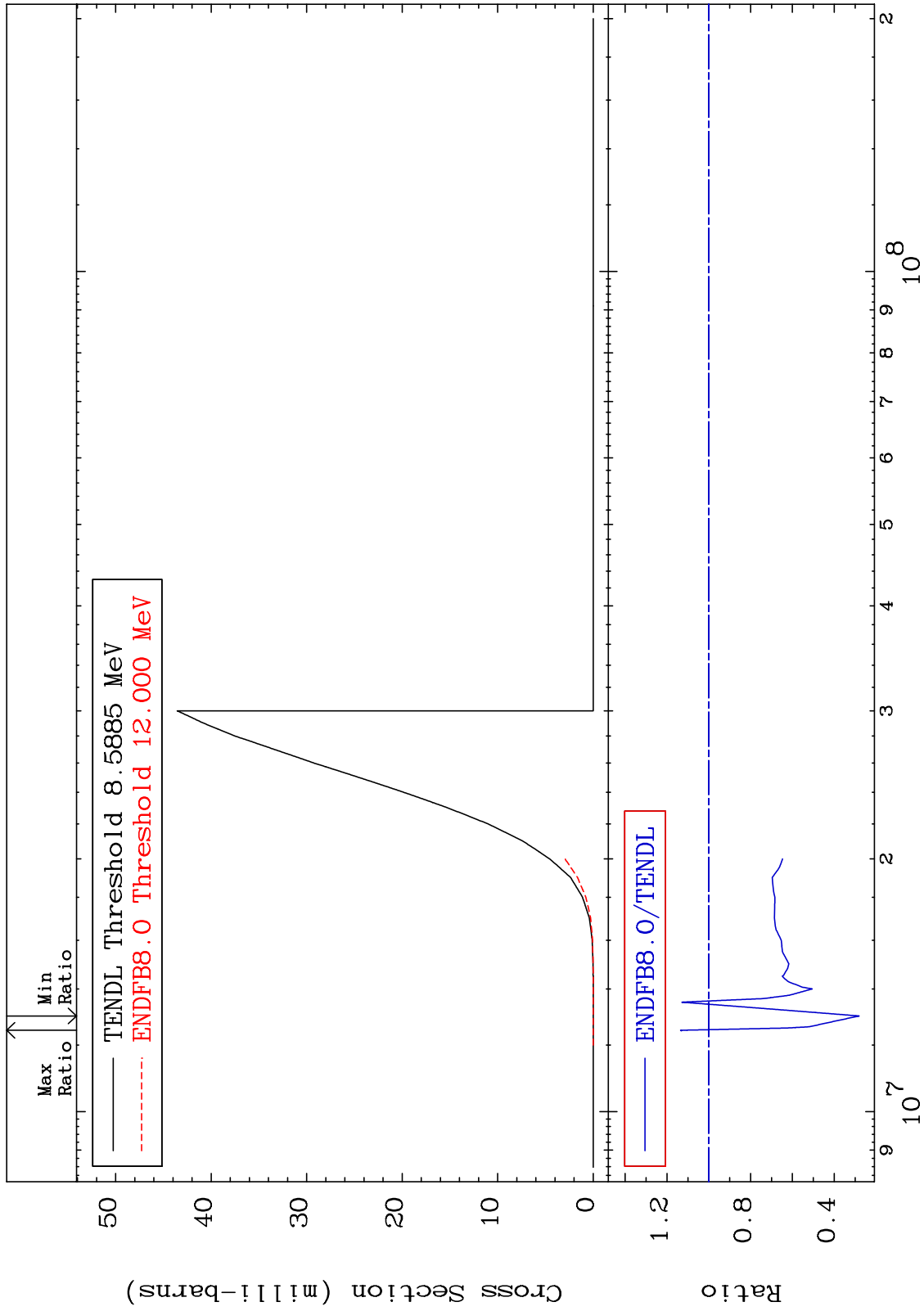
MAT 7249

(n,n') p

72-Hf-182

Cross Section

-71.94 To 13.47 %



Incident Energy (eV)

72-Hf-182

7



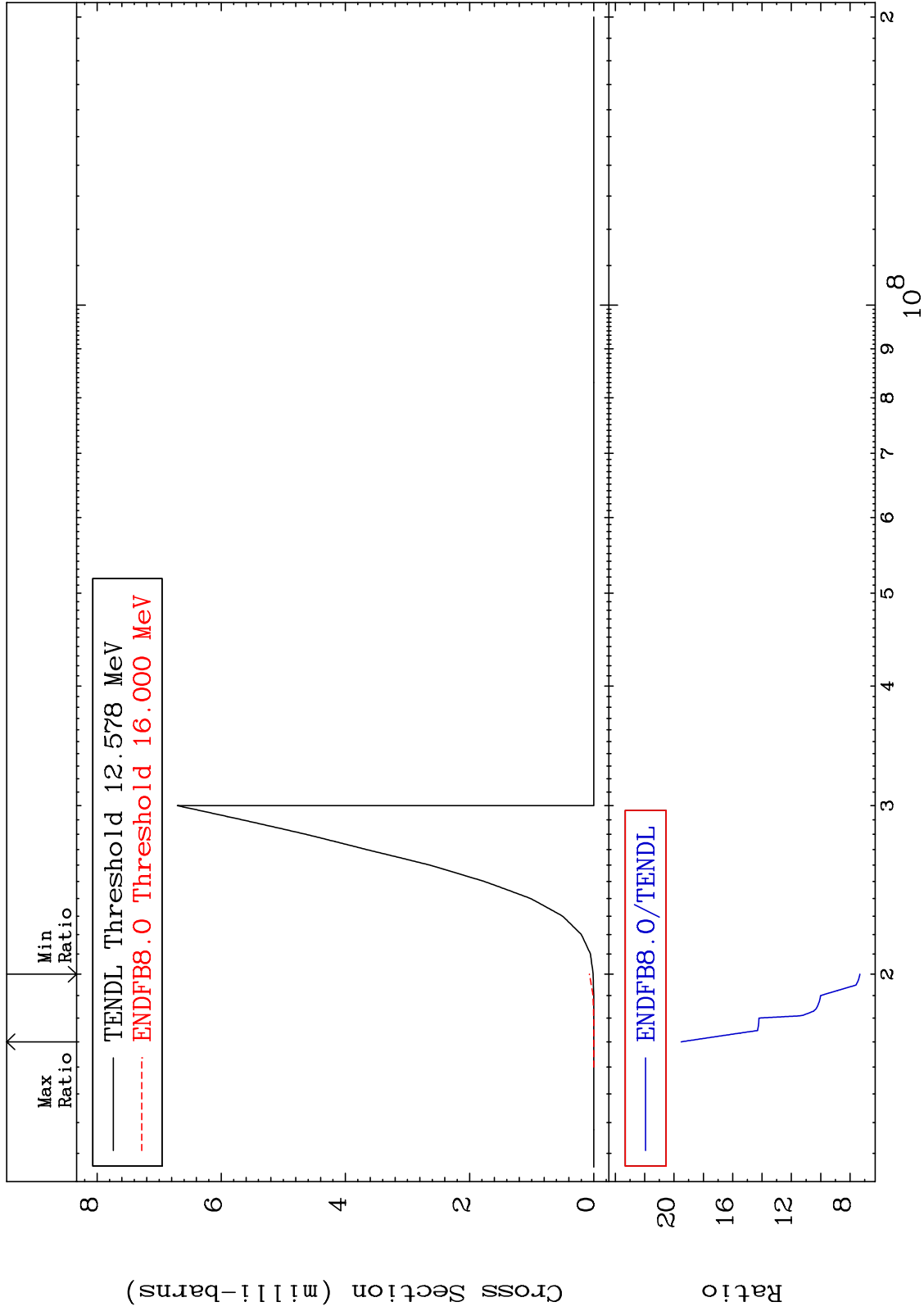
MAT 7249

(n,n') d

72-Hf-182

Cross Section

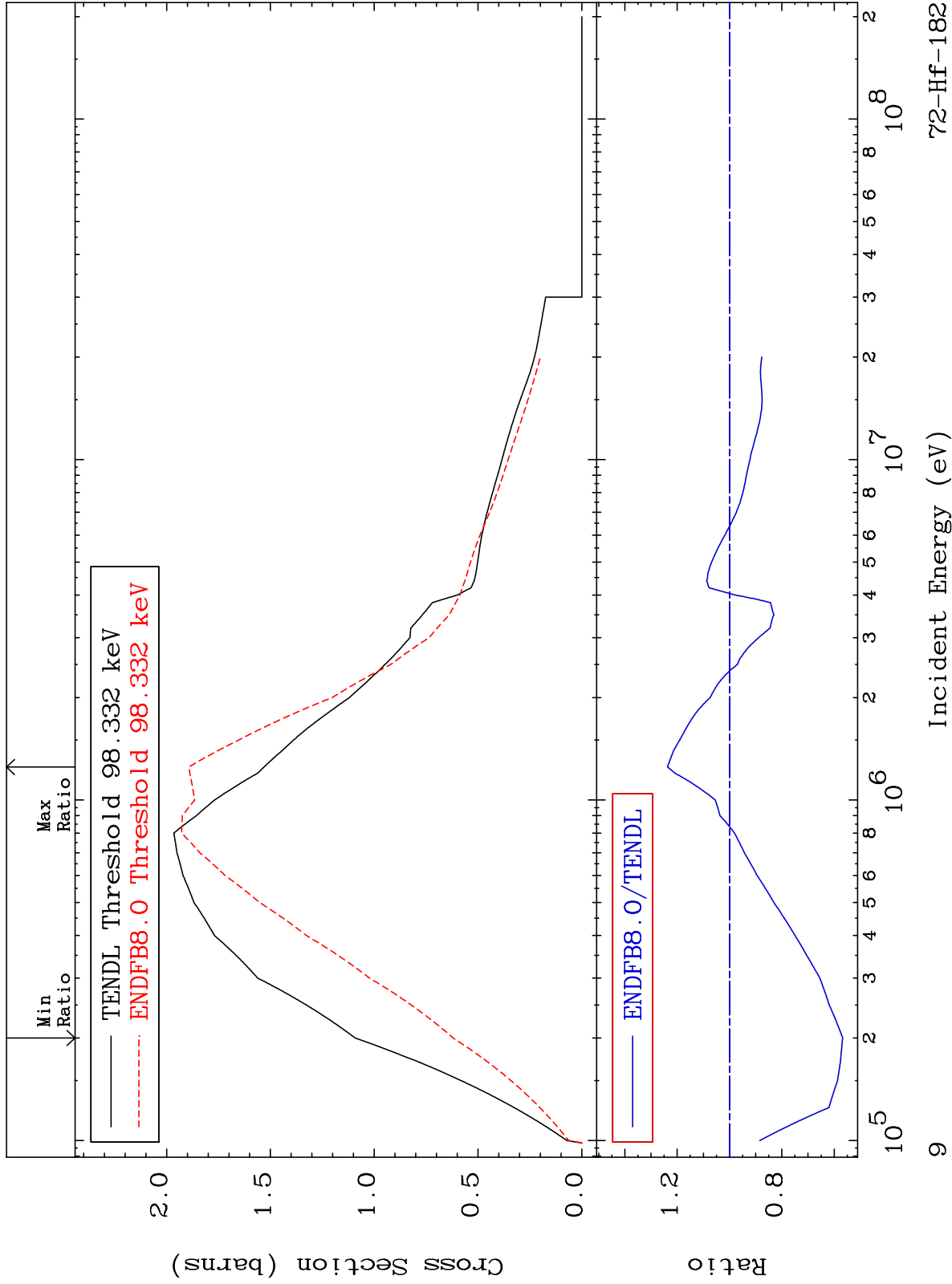
632.8 To 1851. %



MAT 7249

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

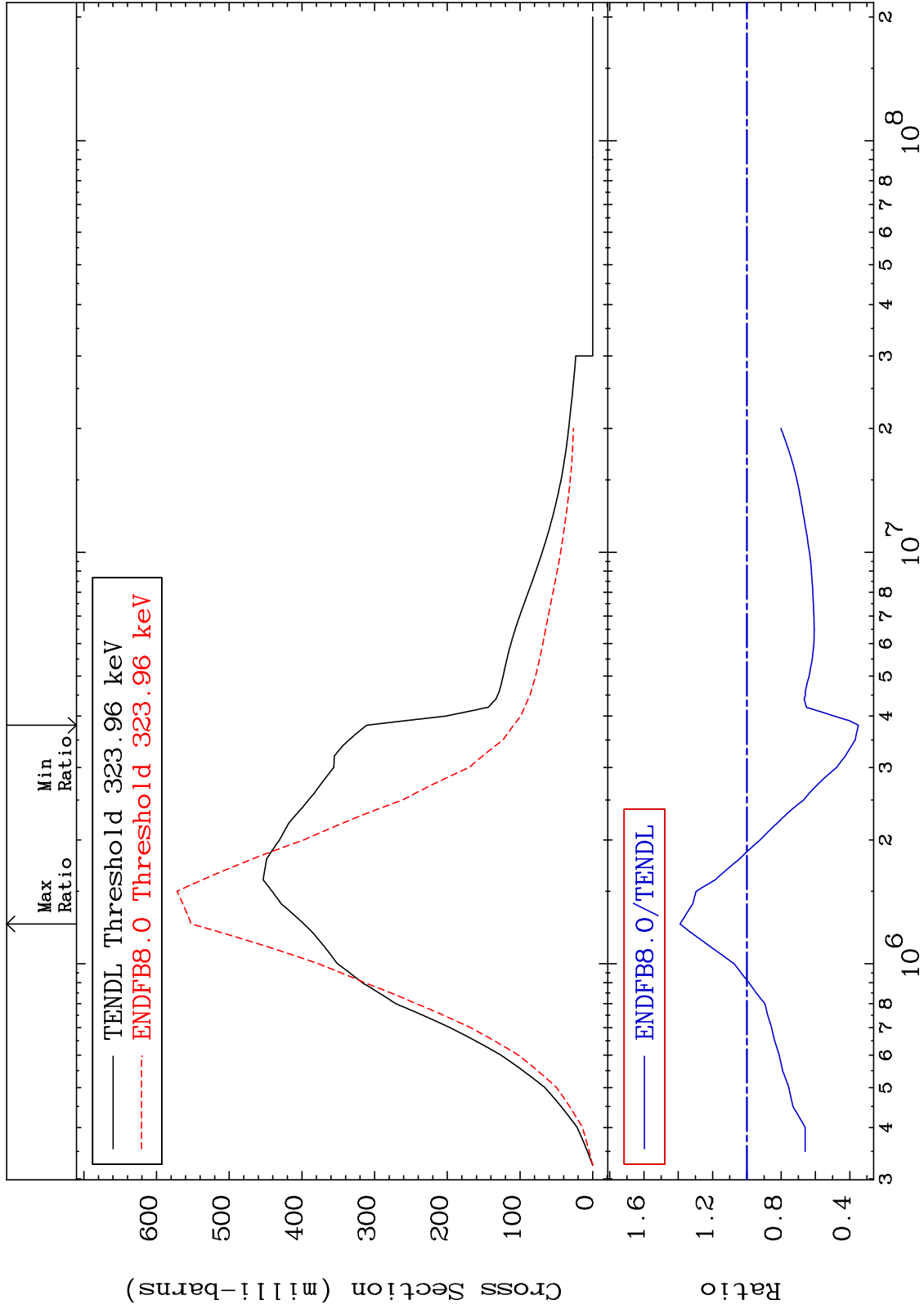
72-Hf-182  
-43.23 To 23.68 %



MAT 7249

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

72-Hf-182  
-65.04 To 39.00 %



10

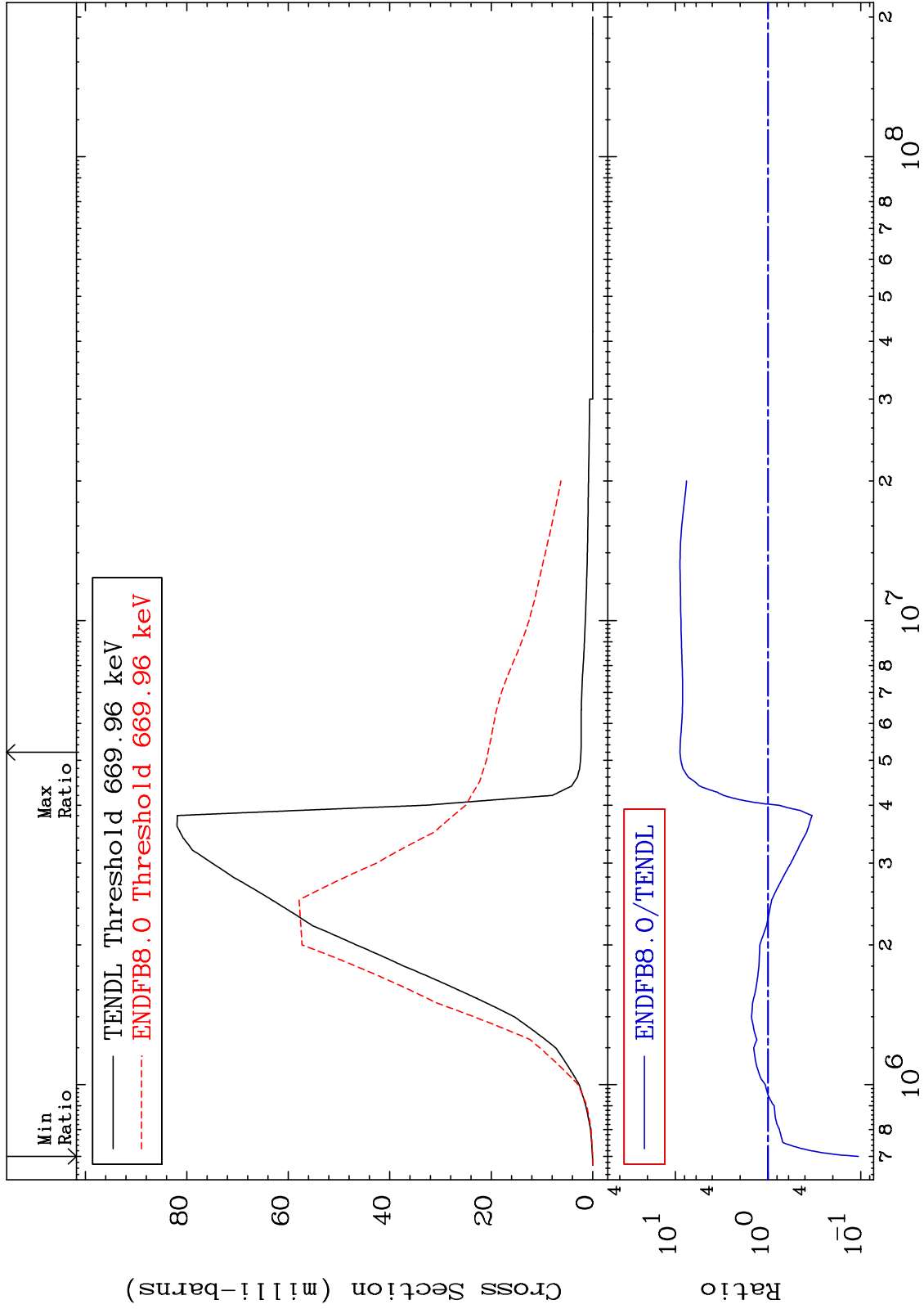
Incident Energy (eV)

72-Hf-182

MAT 7249

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

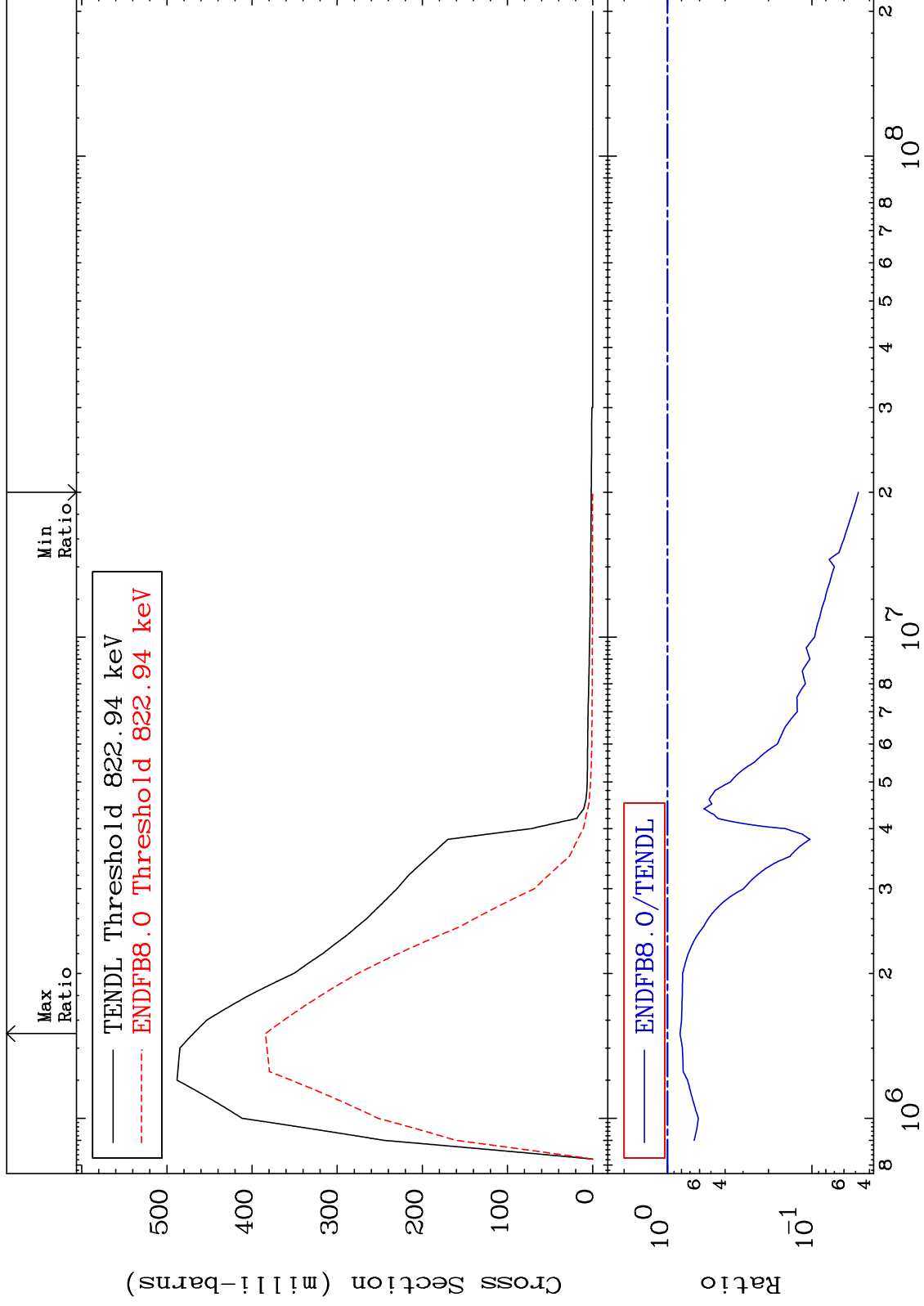
<sup>72</sup>Hf-182  
-89.40 To 792.6 %



MAT 7249

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

<sup>72</sup>Hf-182  
-95.23 To -18.05%



12

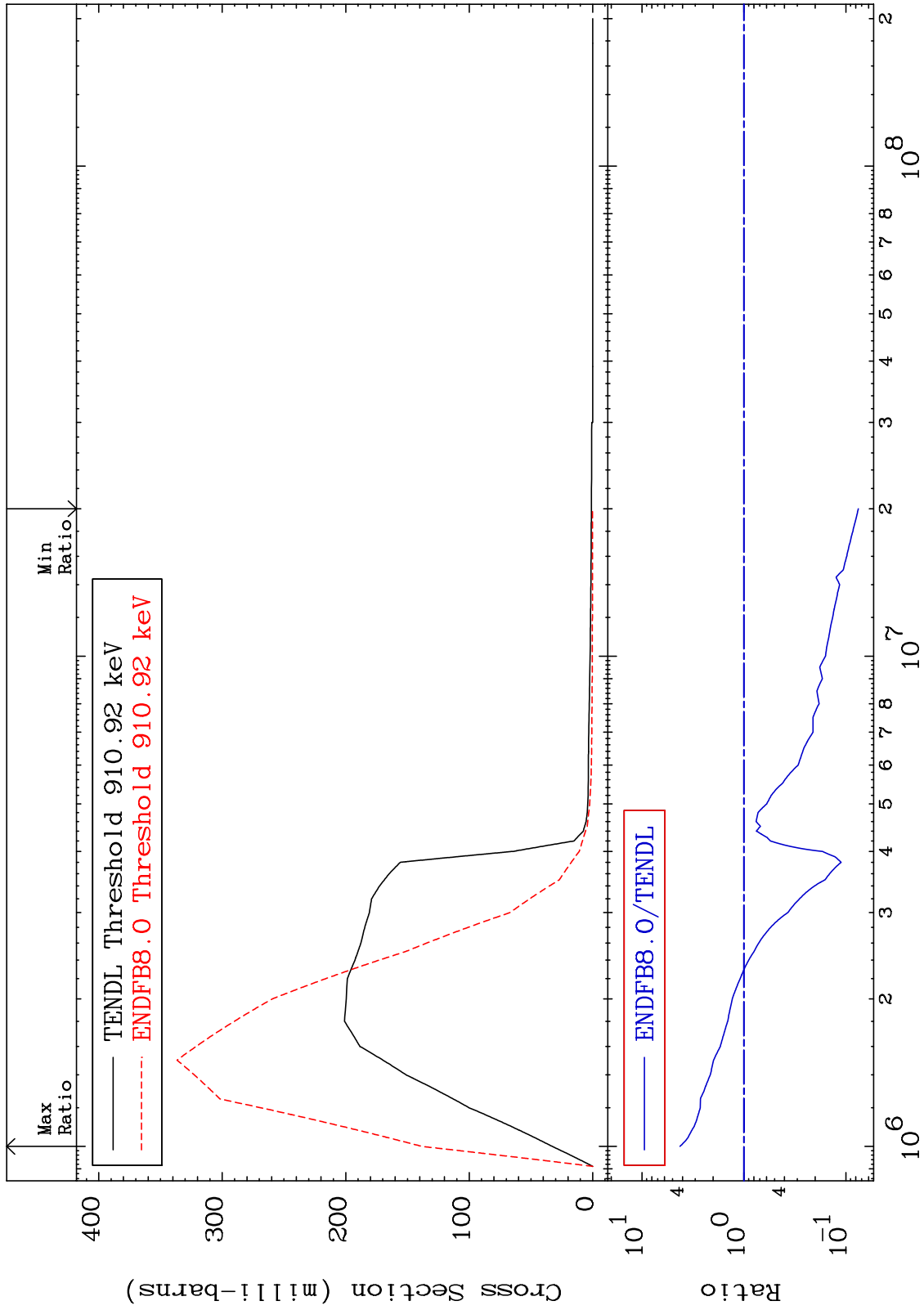
Incident Energy (eV)

<sup>72</sup>Hf-182

MAT 7249

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

72-Hf-182  
-92.46 To 323.0 %



13

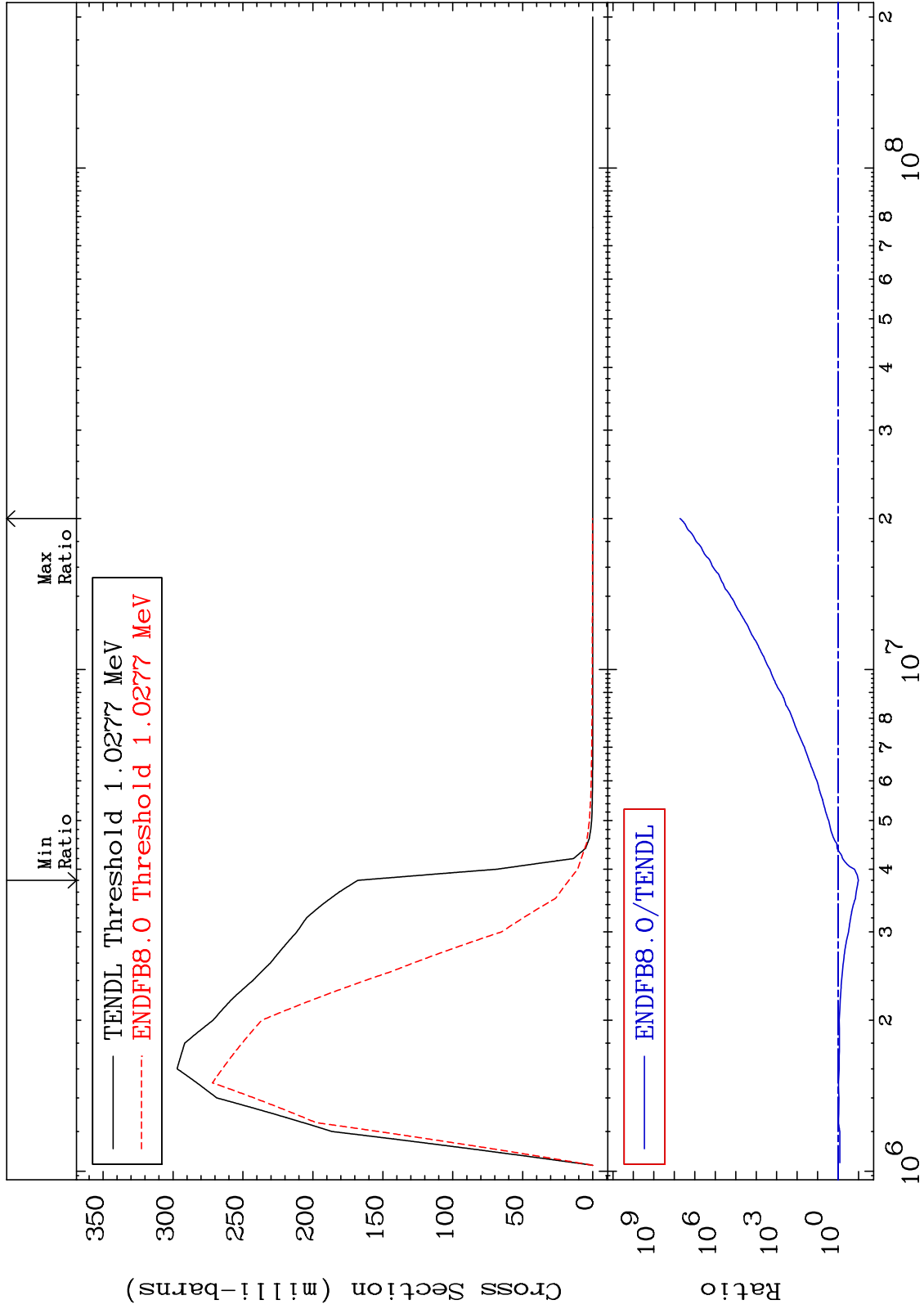
72-Hf-182

72-Hf-182

MAT 7249

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

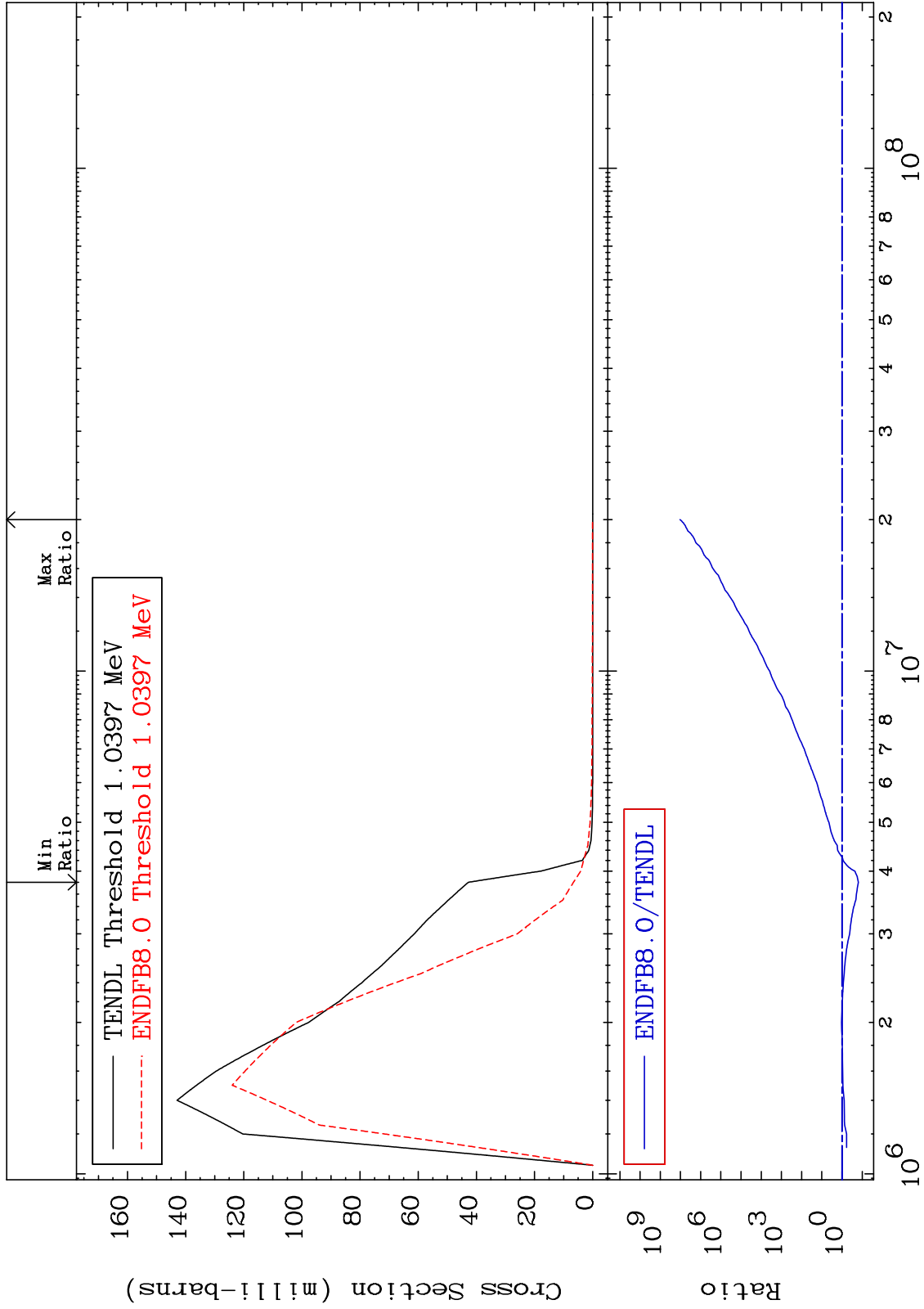
72-Hf-182  
-89.88 To 9999. %



MAT 7249

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

72-Hf-182  
-84.58 To 9999. %



Incident Energy (eV)

72-Hf-182

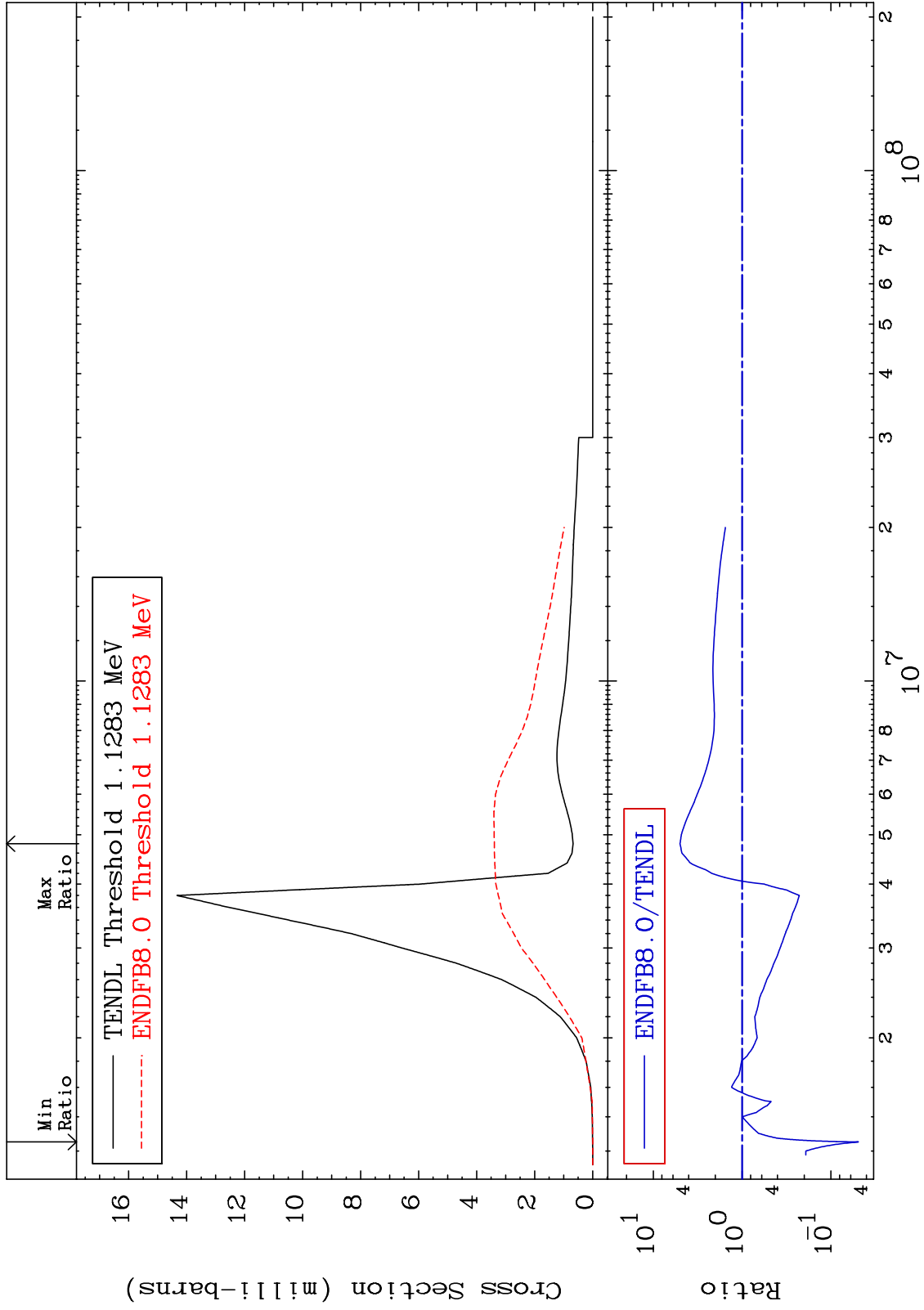
15



MAT 7249

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

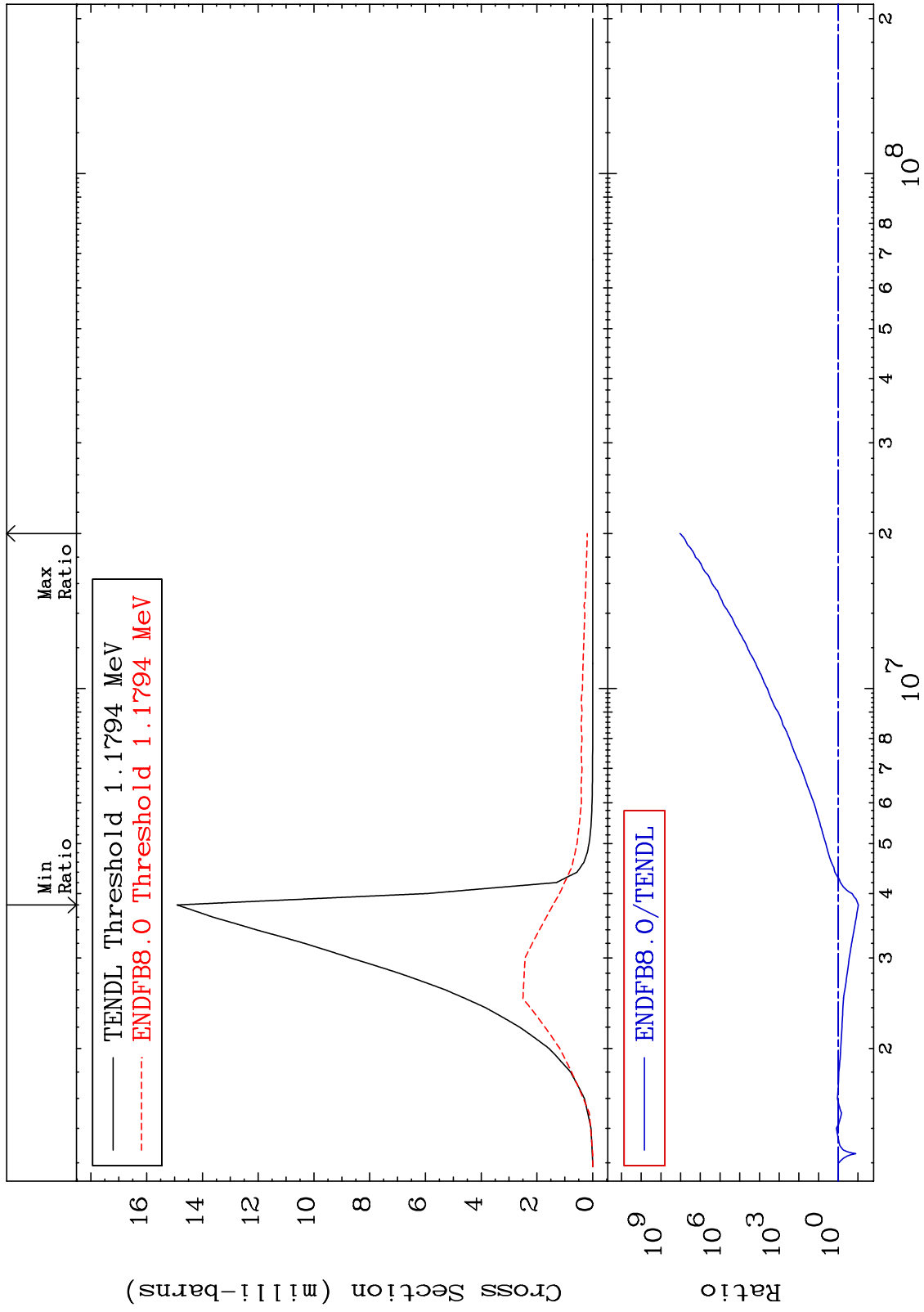
72-Hf-182  
-95.09 To 399.8 %



MAT 7249

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

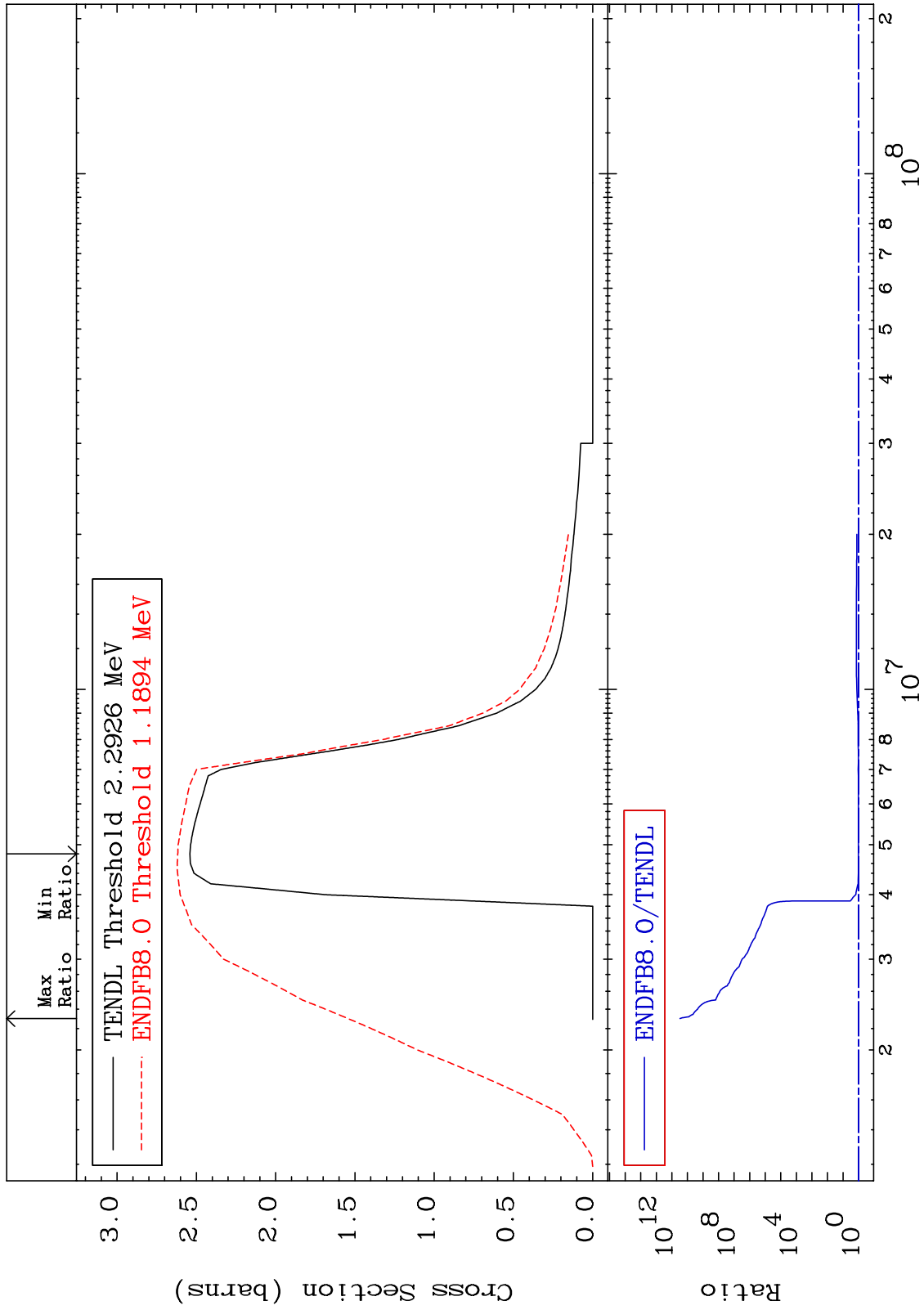
72-Hf-182  
-90.45 To 9999. %



MAT 7249

(n, n') Continuum  
Cross Section

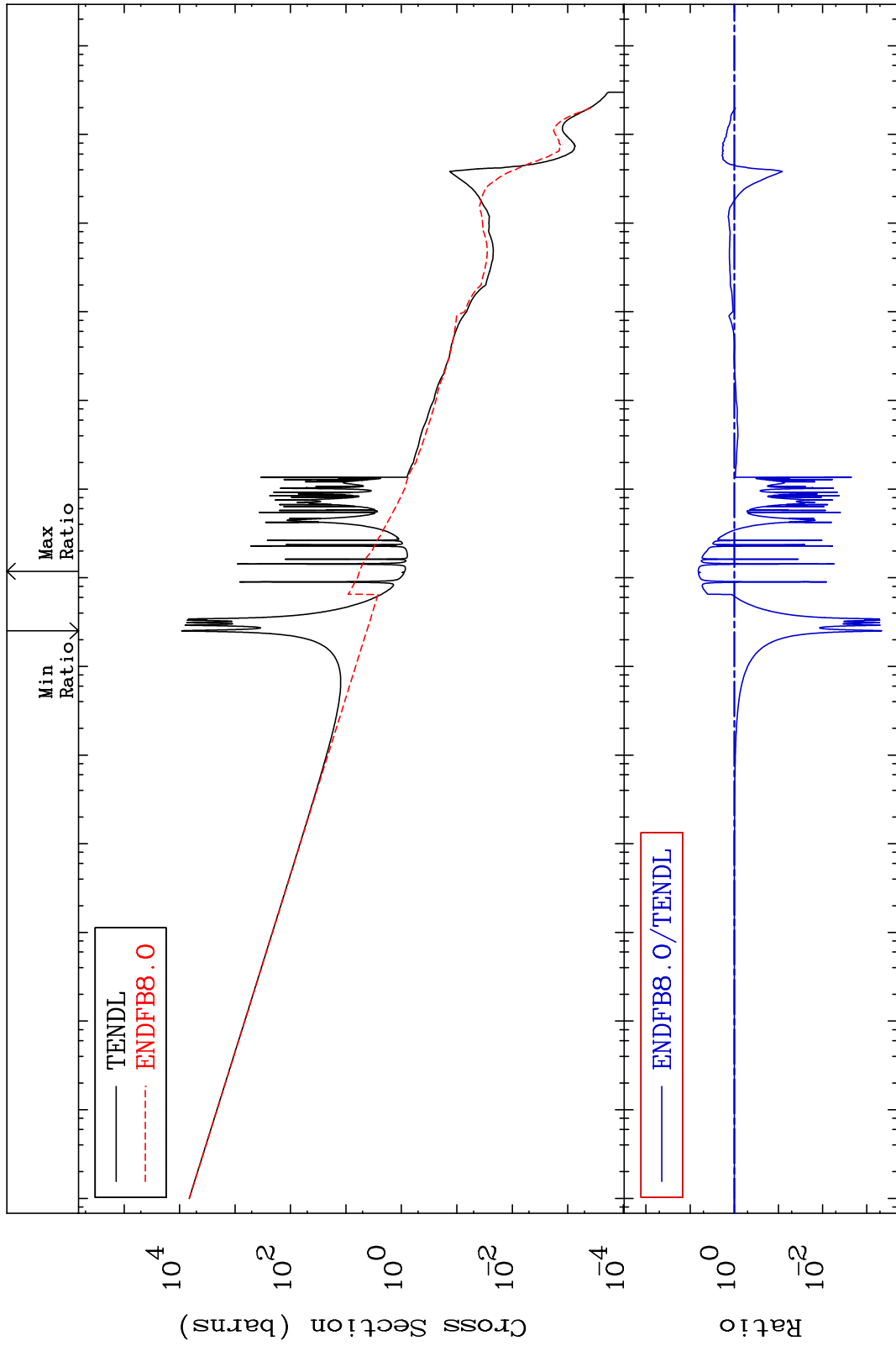
72-Hf-182  
3.006 To 9999. %



MAT 7249

(n,  $\gamma$ )  
Cross Section

72-Hf-182  
-99.95 To 550.8 %



Incident Energy (eV) 72-Hf-182  
19

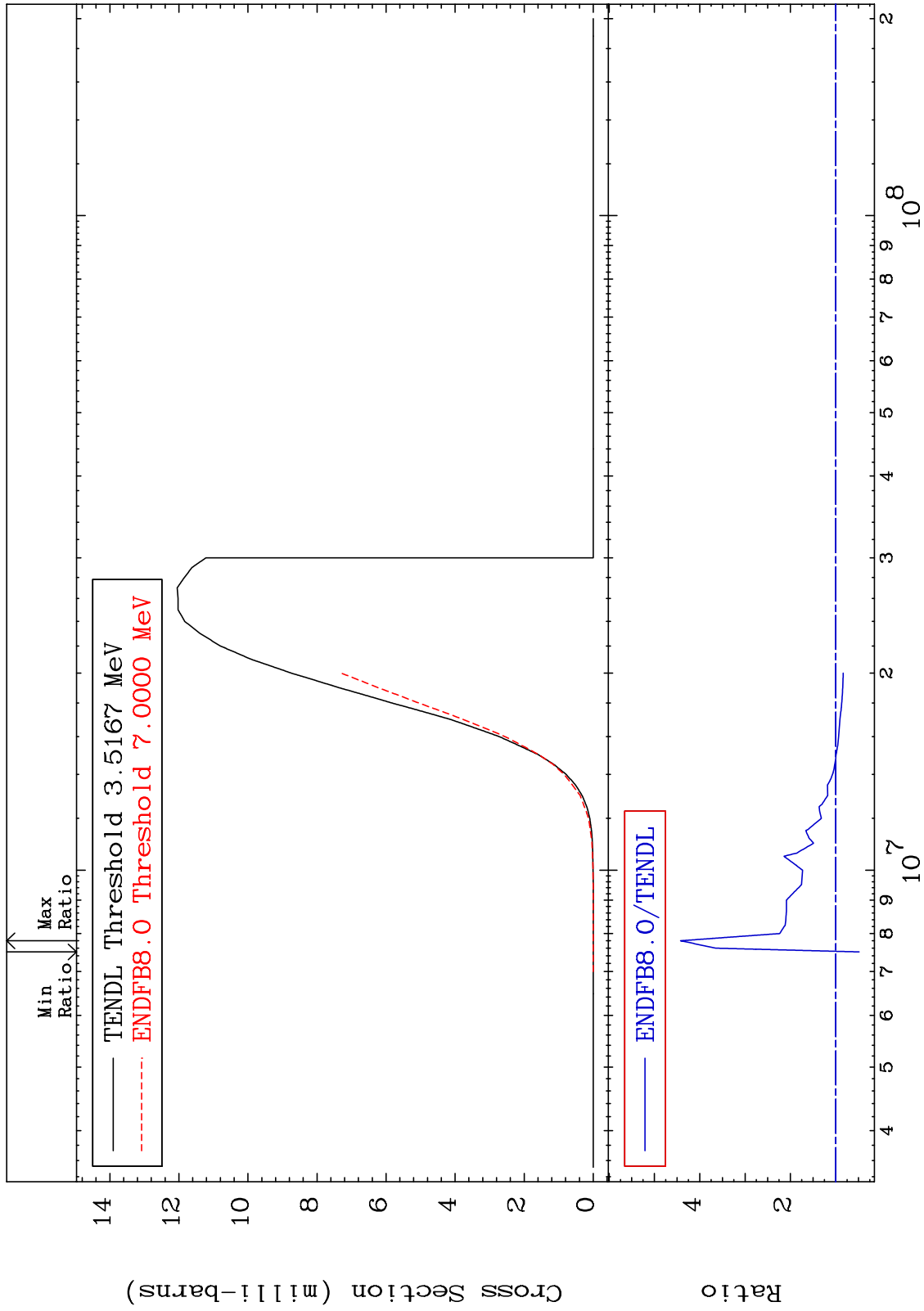
MAT 7249

(n, p)

72-Hf-182

Cross Section

-51.72 To 342.2 %



20

Incident Energy (eV)

72-Hf-182

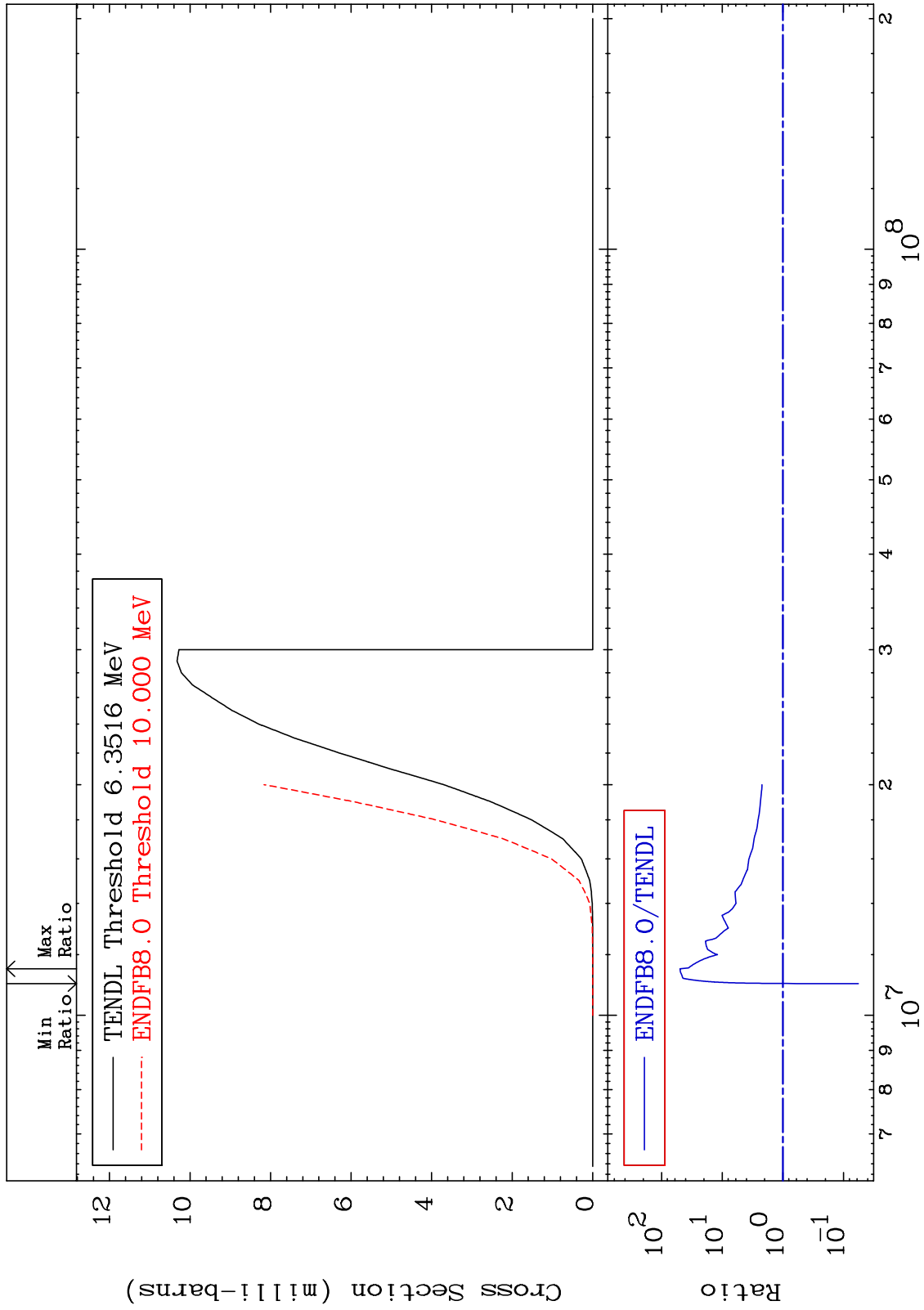
MAT 7249

(n, d)

72-Hf-182

Cross Section

-94.29 To 4858. %



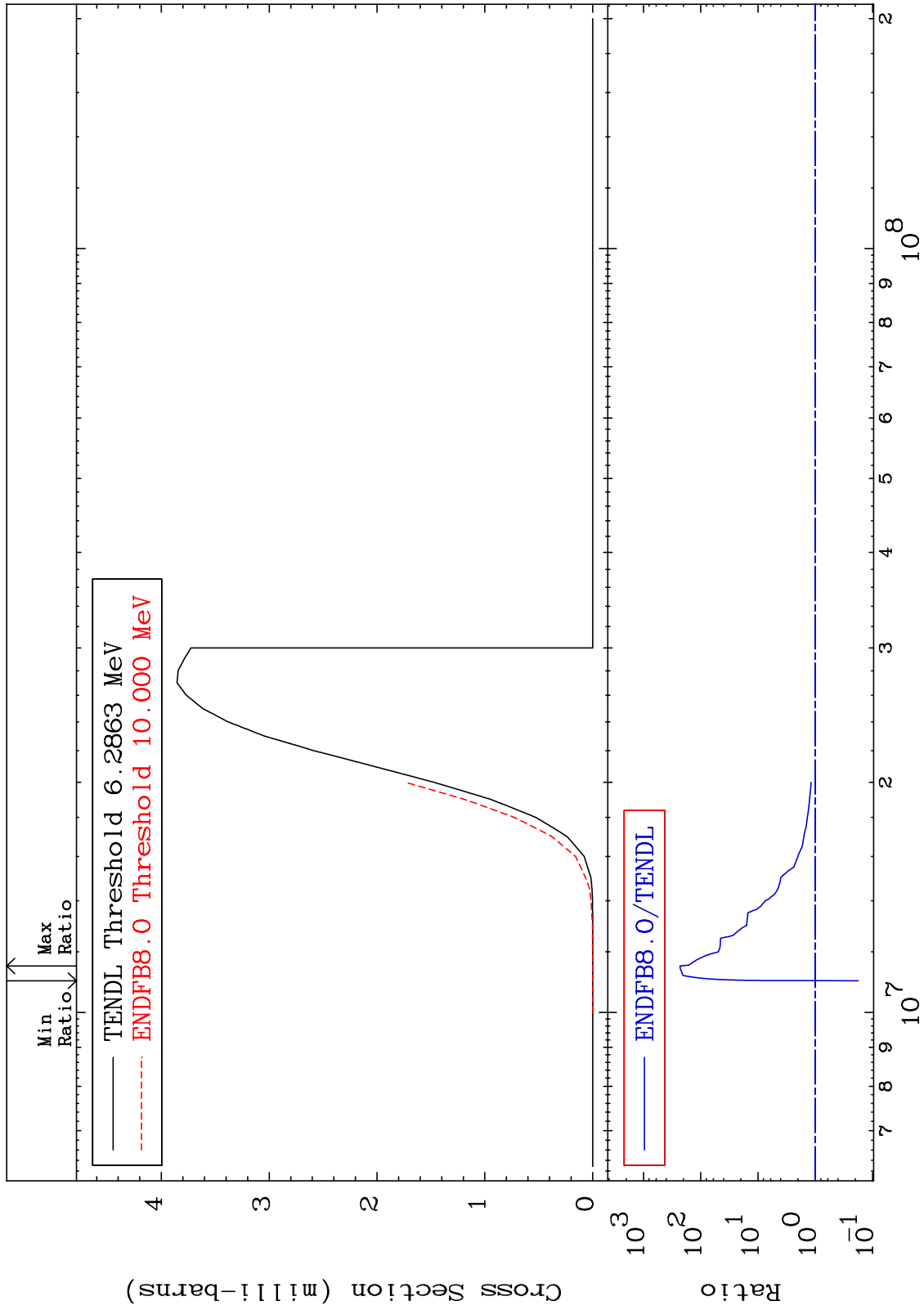
MAT 7249

(n, t)

72-Hf-182

Cross Section

-82.40 To 9999. %



22

Incident Energy (eV)

72-Hf-182

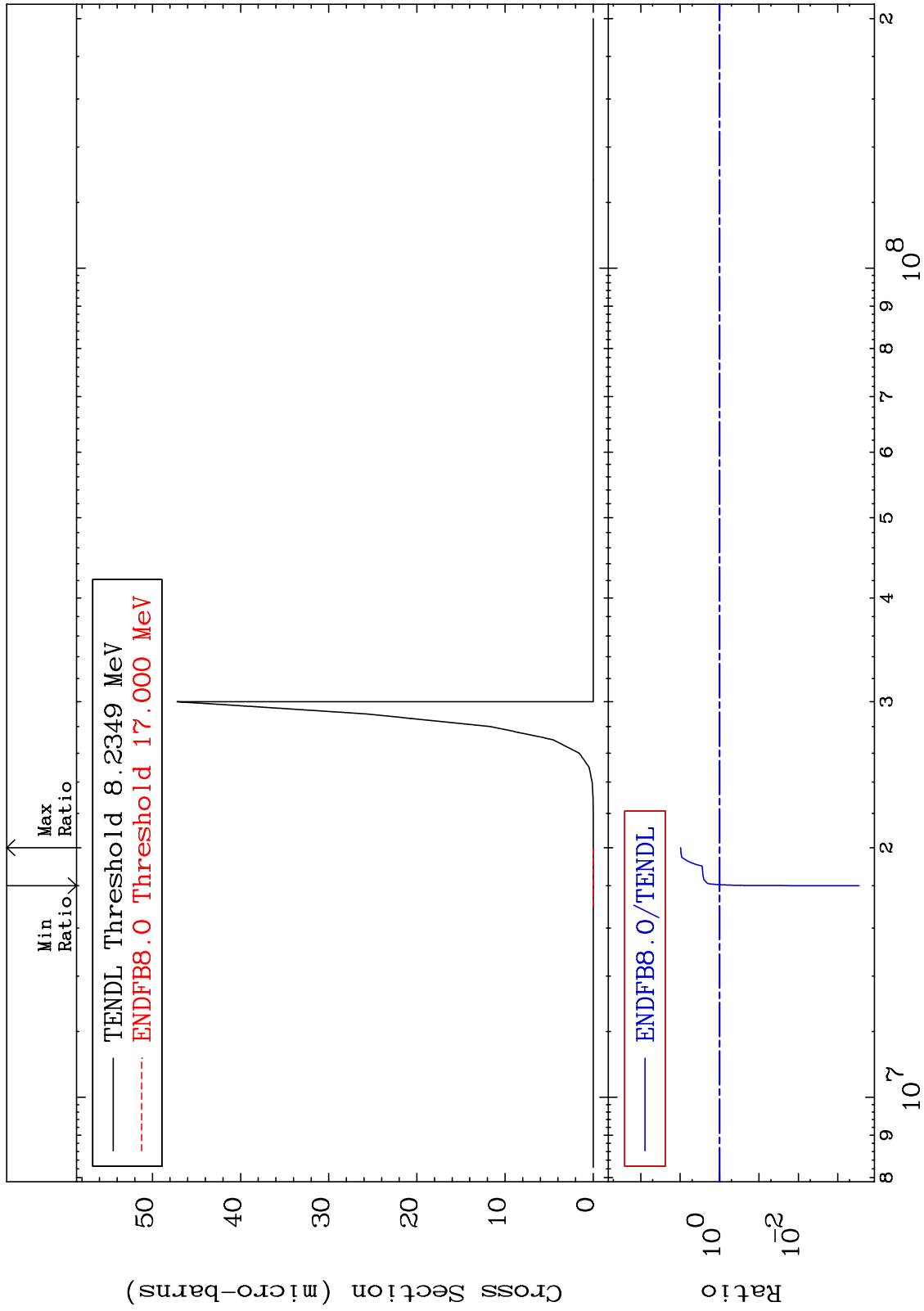
MAT 7249

(n, He-3)

72-Hf-182

Cross Section

-99.97 To 876.9 %





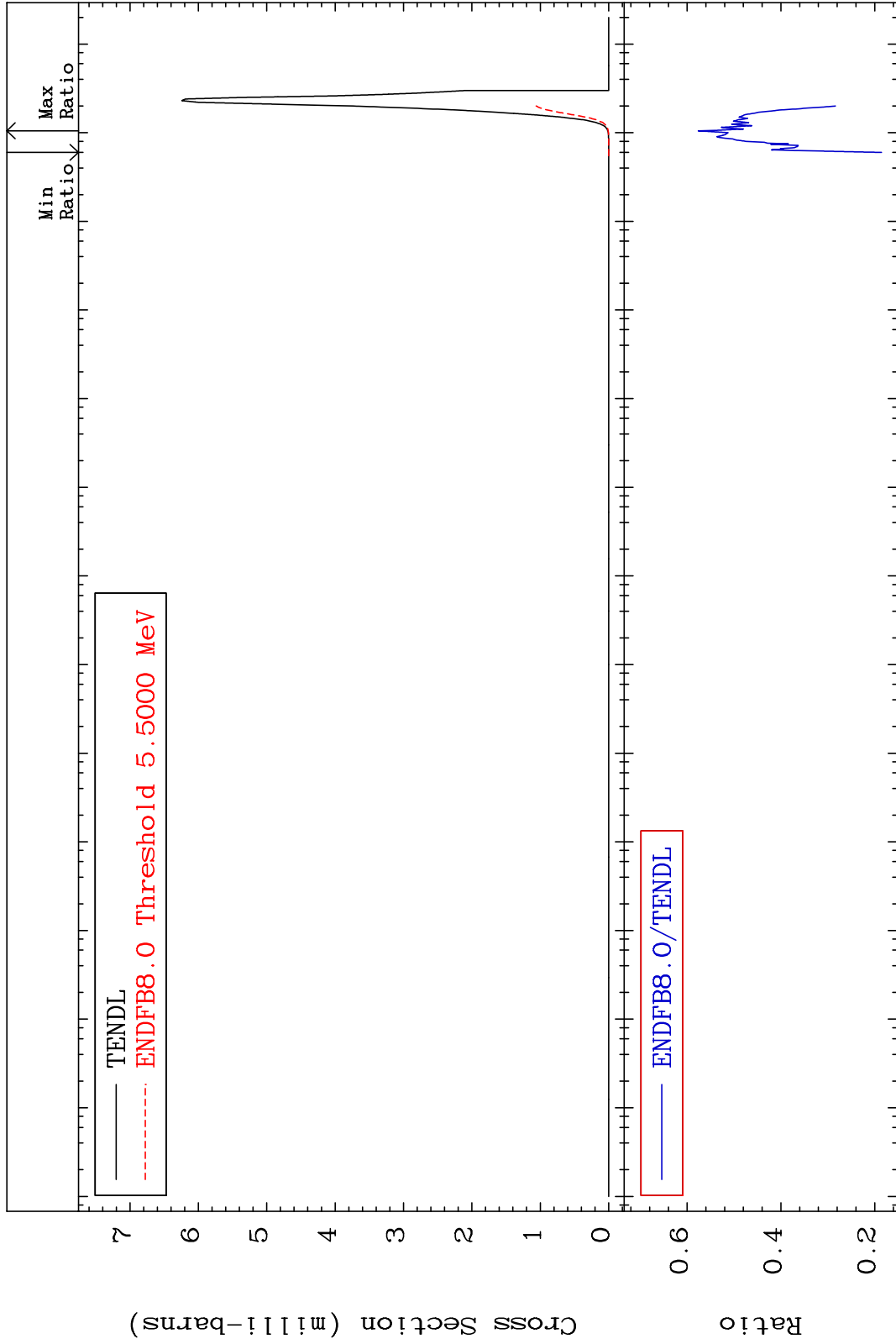
MAT 7249

(n,  $\alpha$ )

Cross Section

72-Hf-182

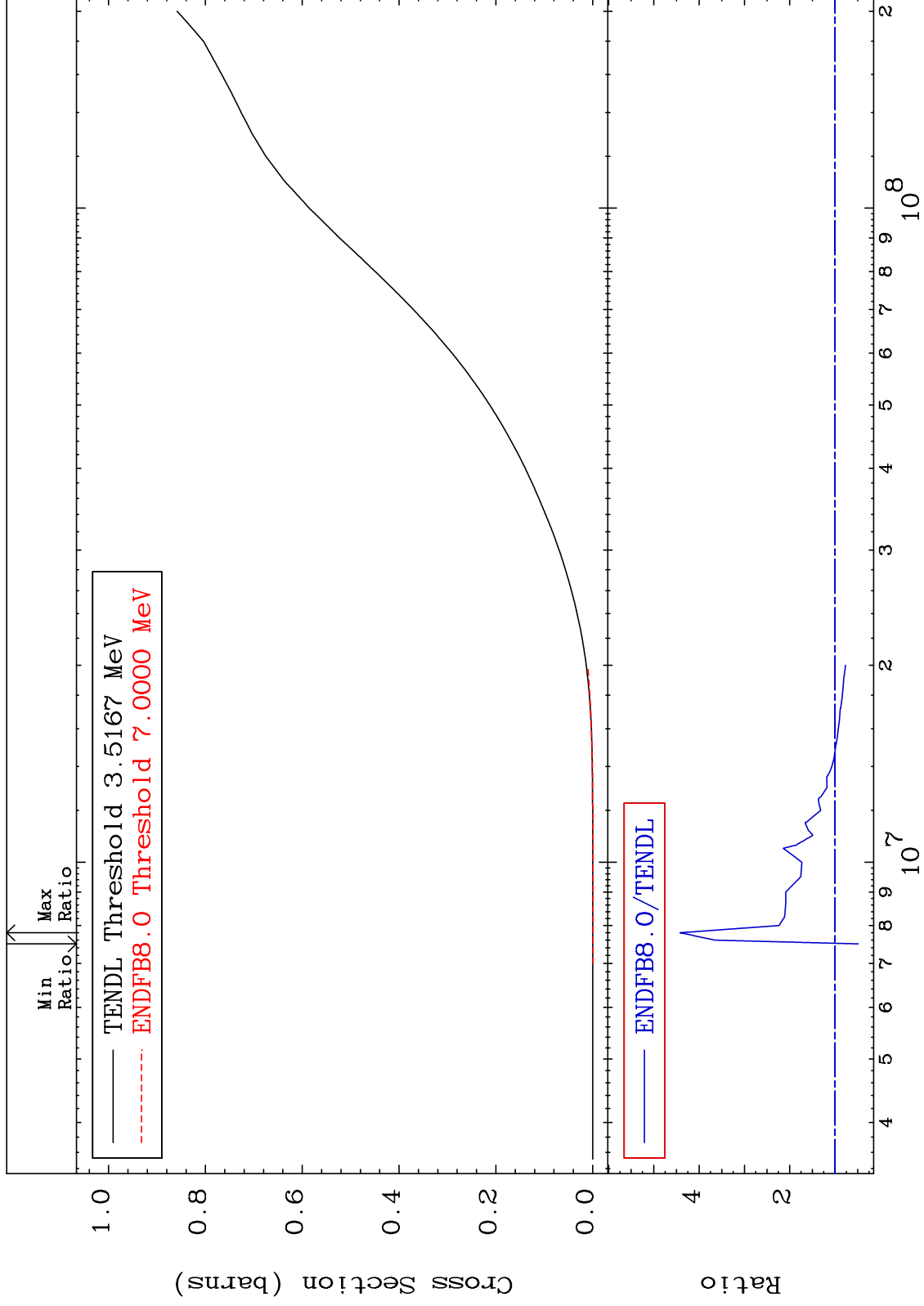
-81.46 To -42.39%



MAT 7249

Hydrogen Production  
Cross Section

72-Hf-182  
-51.72 To 342.2 %



25

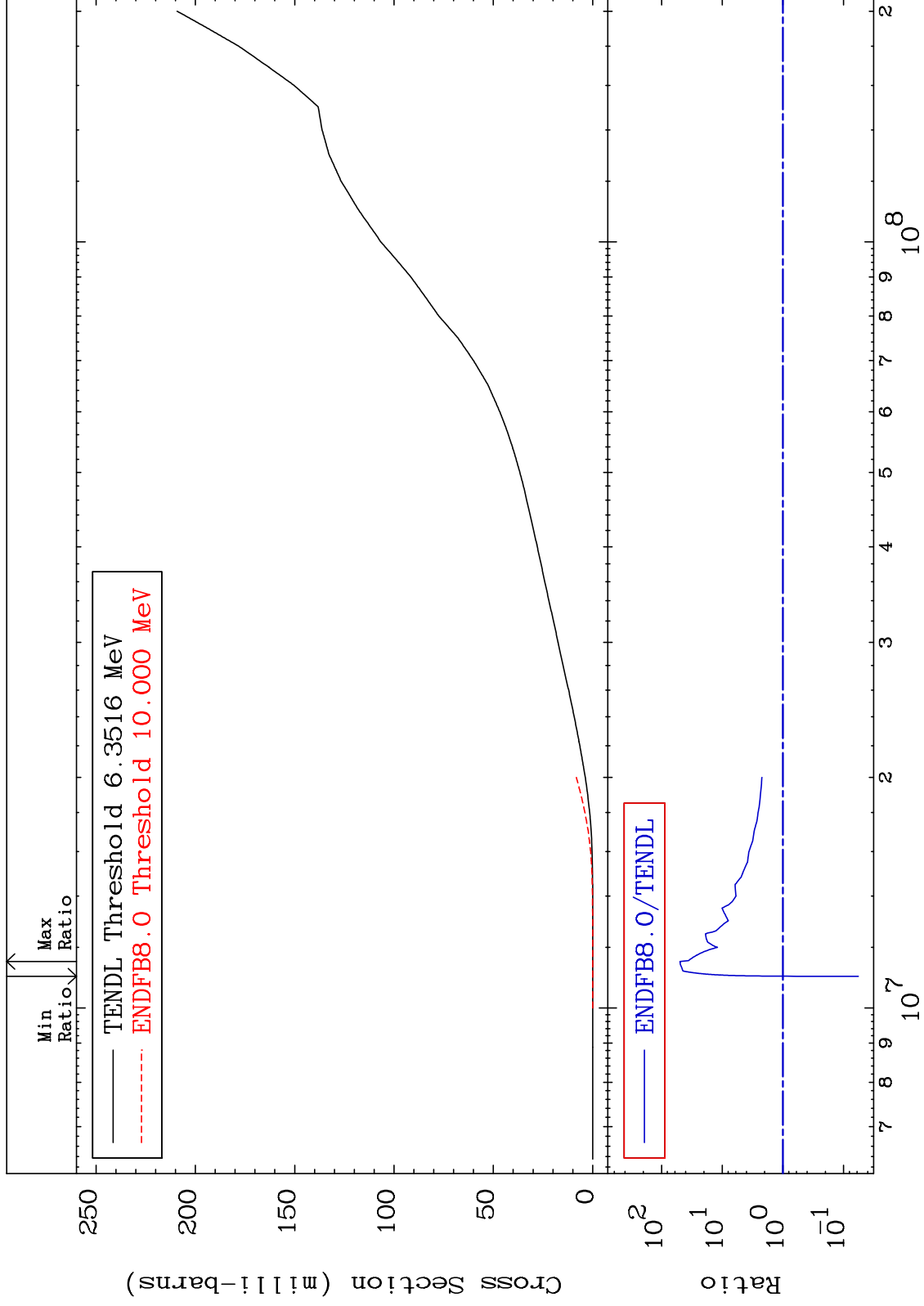
Incident Energy (eV)

72-Hf-182

MAT 7249

Deuterium Production  
Cross Section

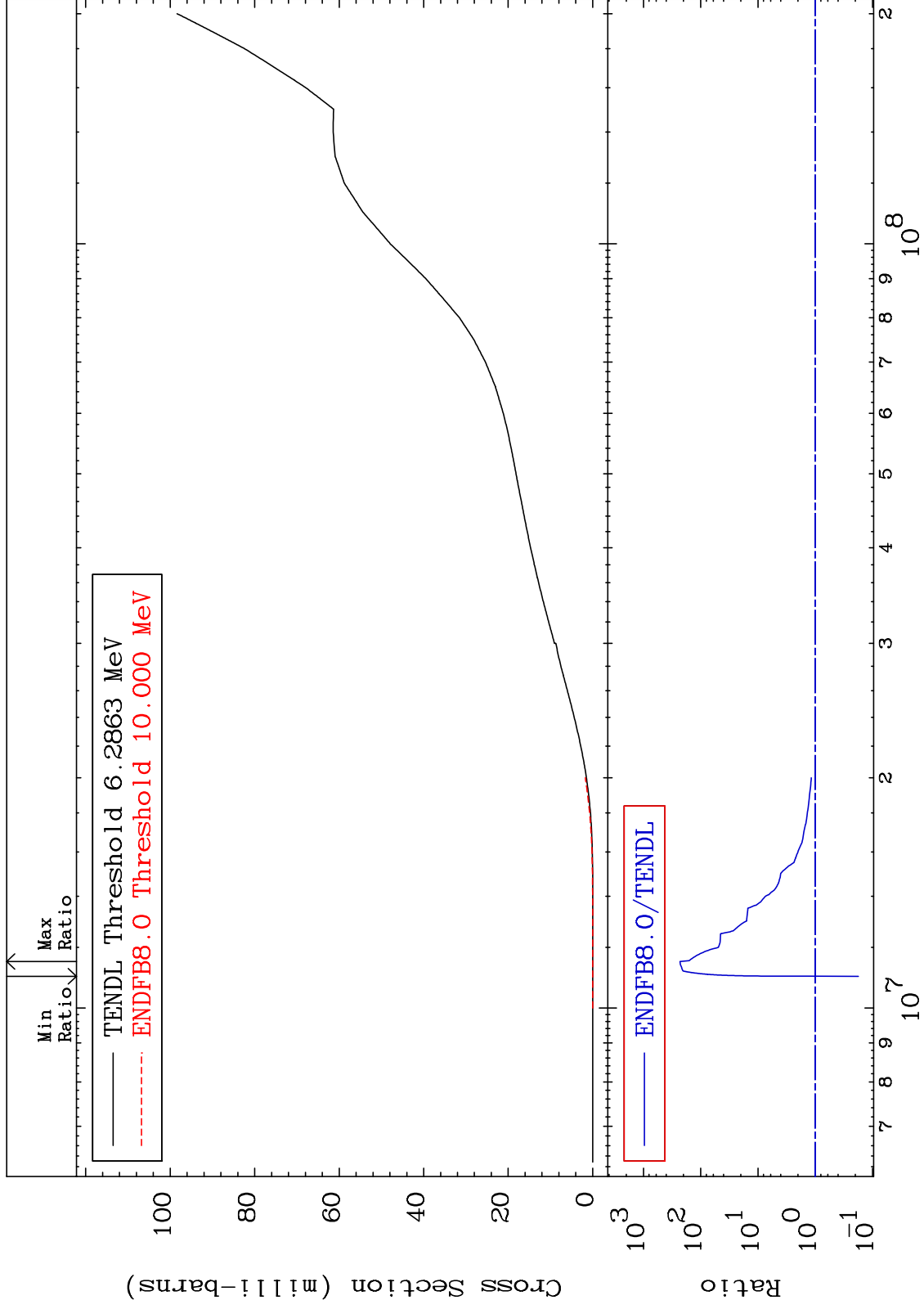
72-Hf-182  
-94.29 To 4858. %



MAT 7249

Tritium Production  
Cross Section

<sup>72</sup>Hf-182  
-82.40 To 9999. %



27

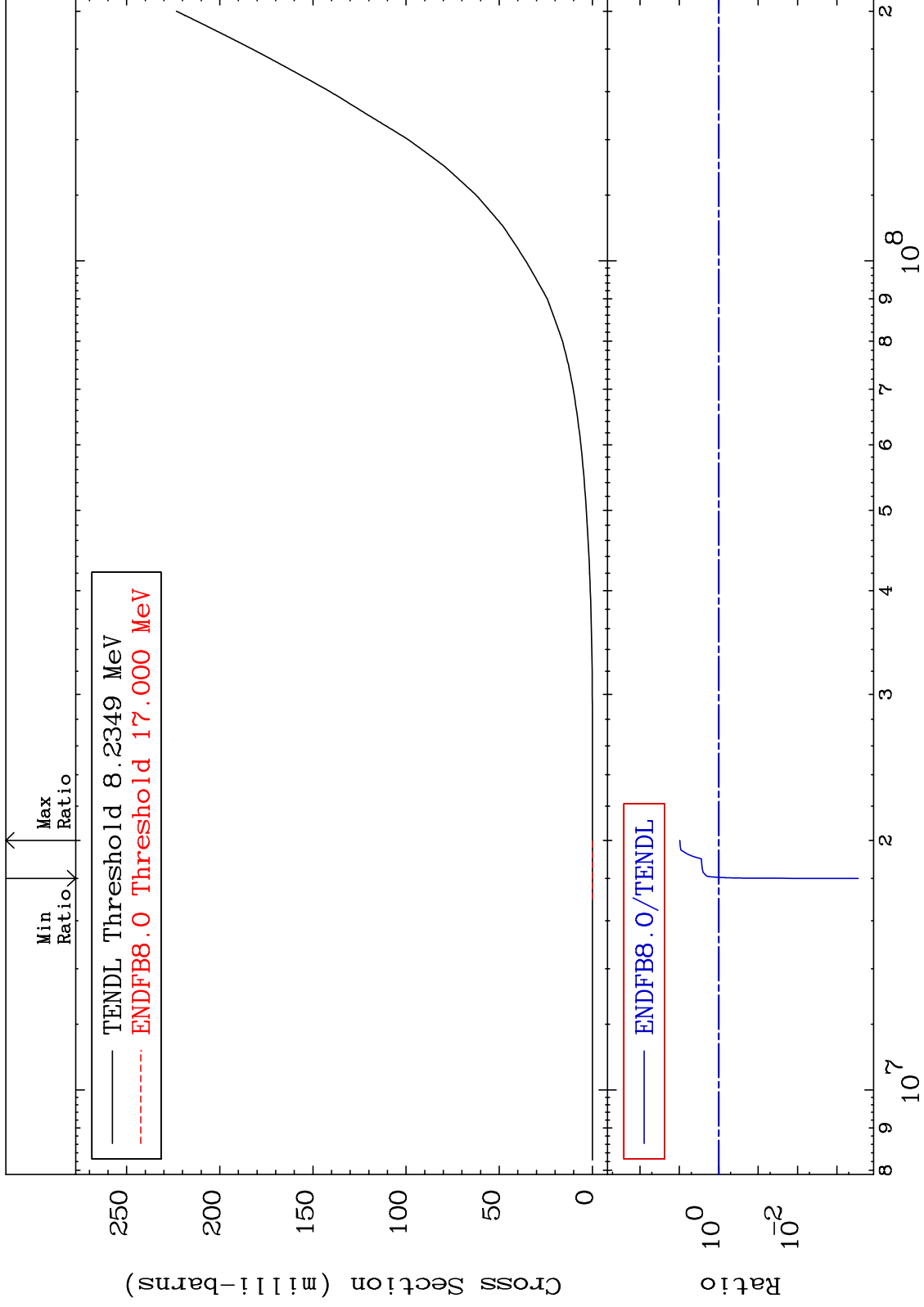
Incident Energy (eV)

<sup>72</sup>Hf-182

MAT 7249

He-3 Production  
Cross Section

<sup>72</sup>Hf-182  
-99.97 To 876.9 %



28

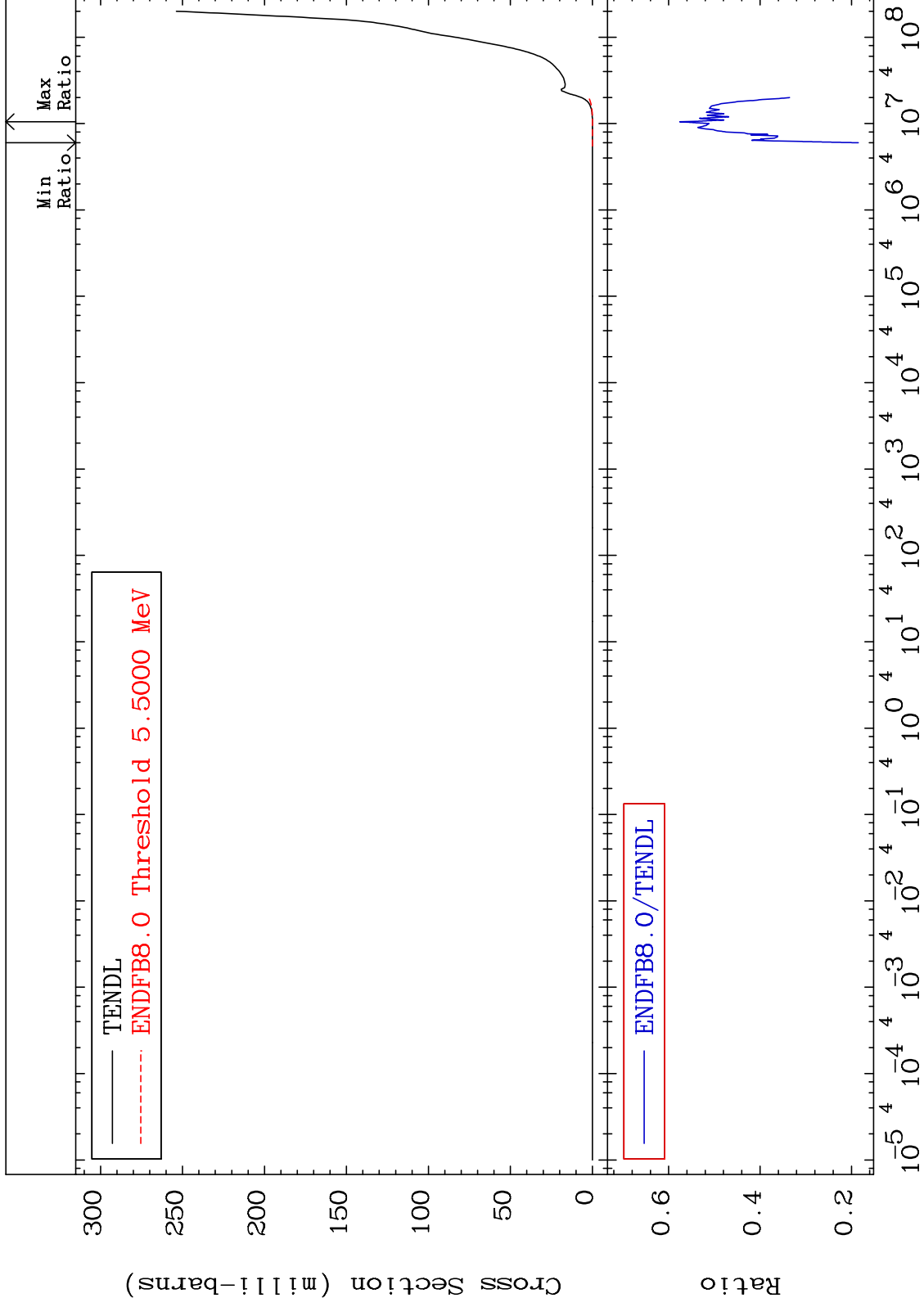
Incident Energy (eV)

<sup>72</sup>Hf-182

MAT 7249

He-4 Production  
Cross Section

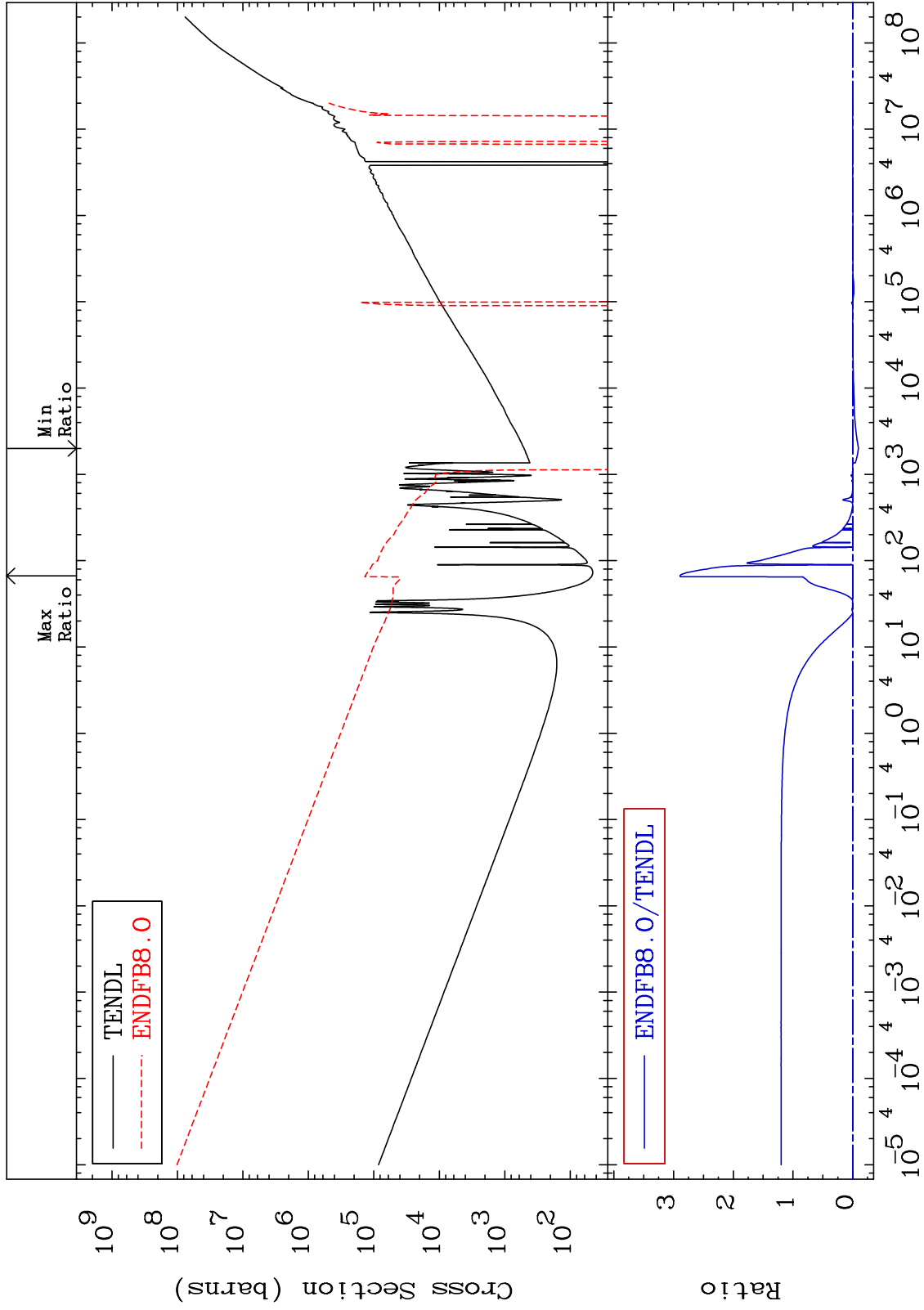
72-Hf-182  
-81.51 To -42.44%



MAT 7249

Kerma total (eV-barns)  
Cross Section

72-Hf-182  
-9667. To 9999. %



30

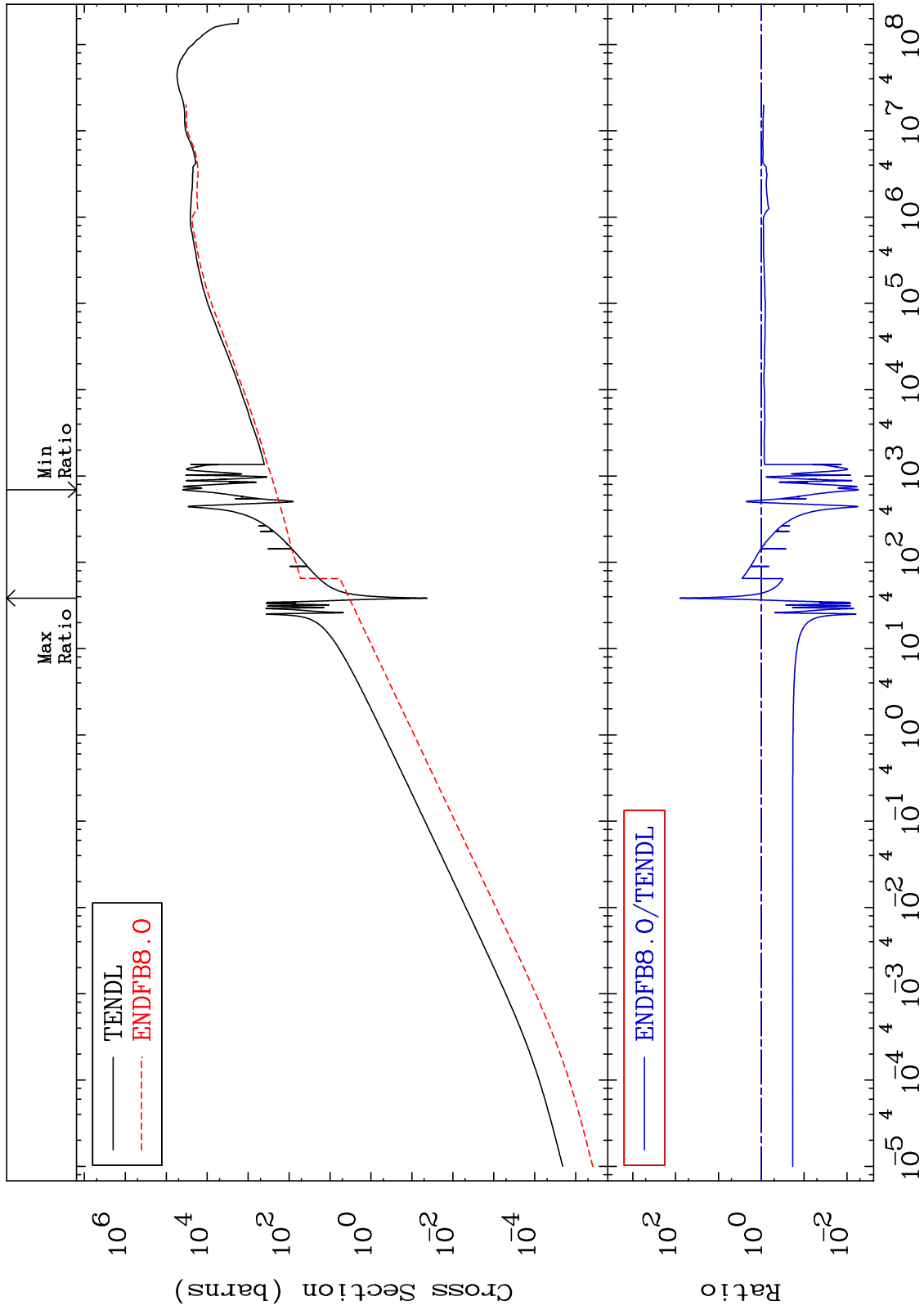
Incident Energy (eV)

72-Hf-182

MAT 7249

Kerma elastic  
Cross Section

72-Hf-182  
-99.46 To 7802. %

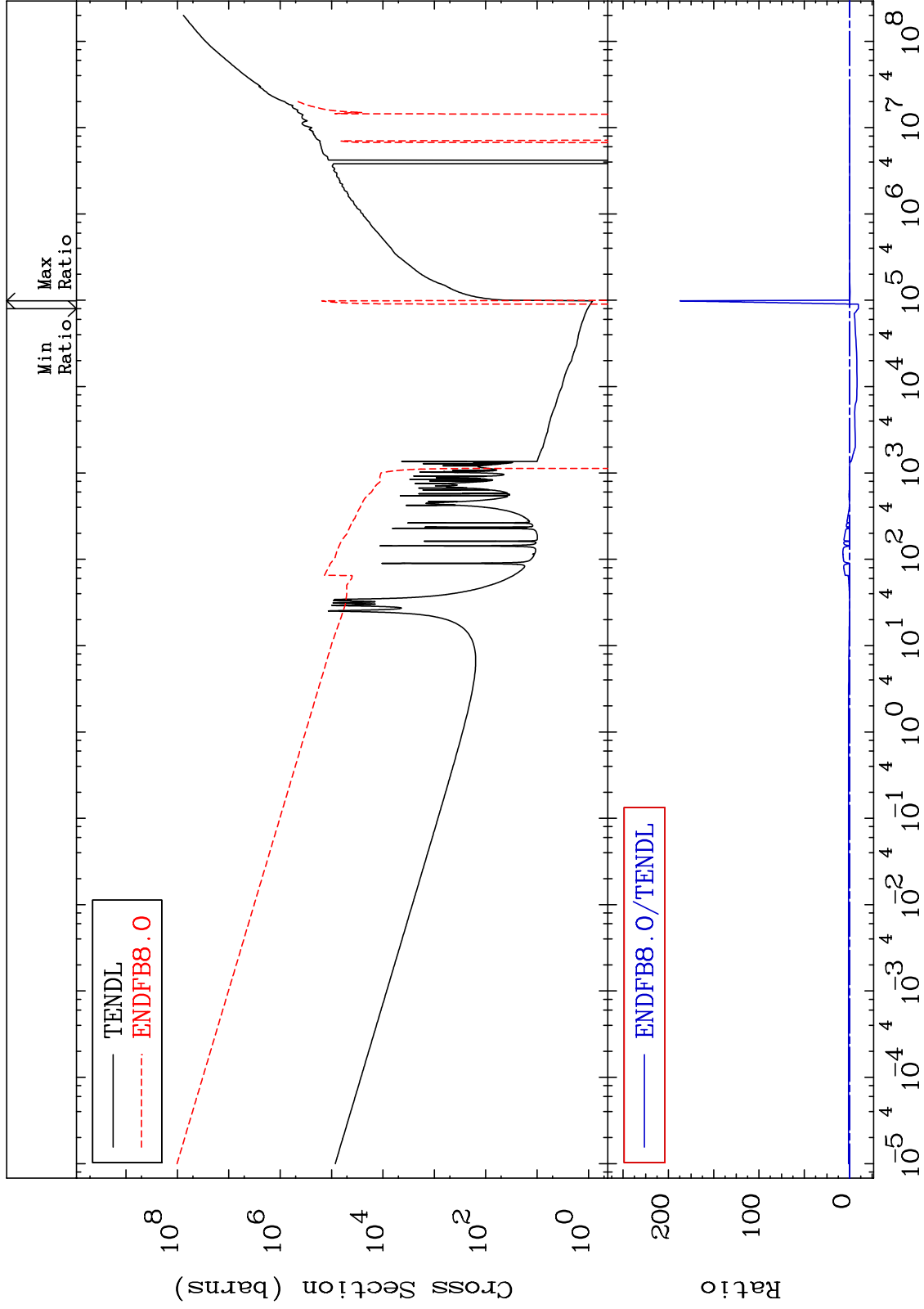




MAT 7249

Kerma non-elastic (all but mt2)  
Cross Section

72-Hf-182  
-9999. To 9999. %



32

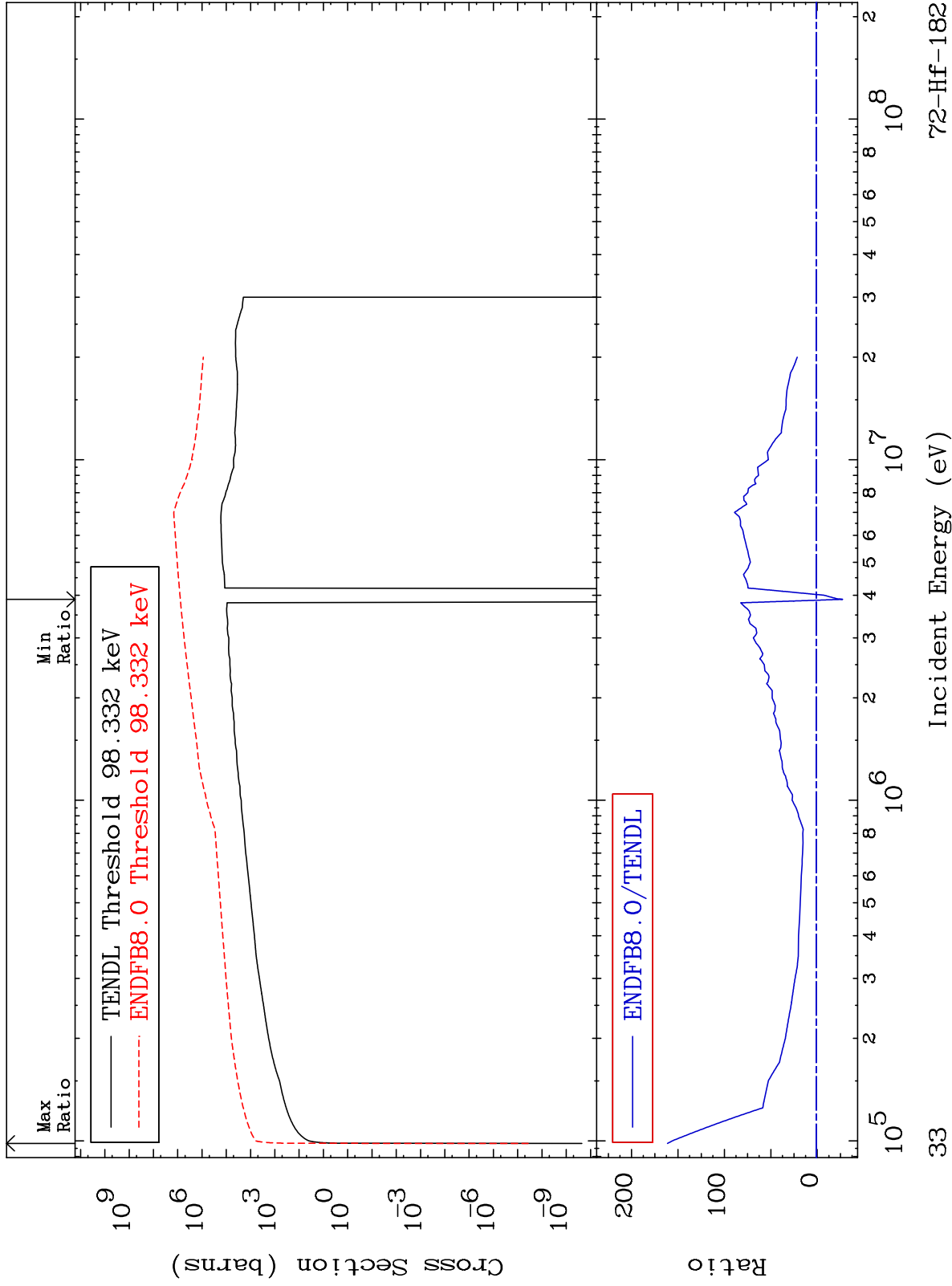
Incident Energy (eV)

72-Hf-182

MAT 7249

Kerma inelastic (mt51-91)  
Cross Section

72-Hf-182  
-2841. To 9999. %



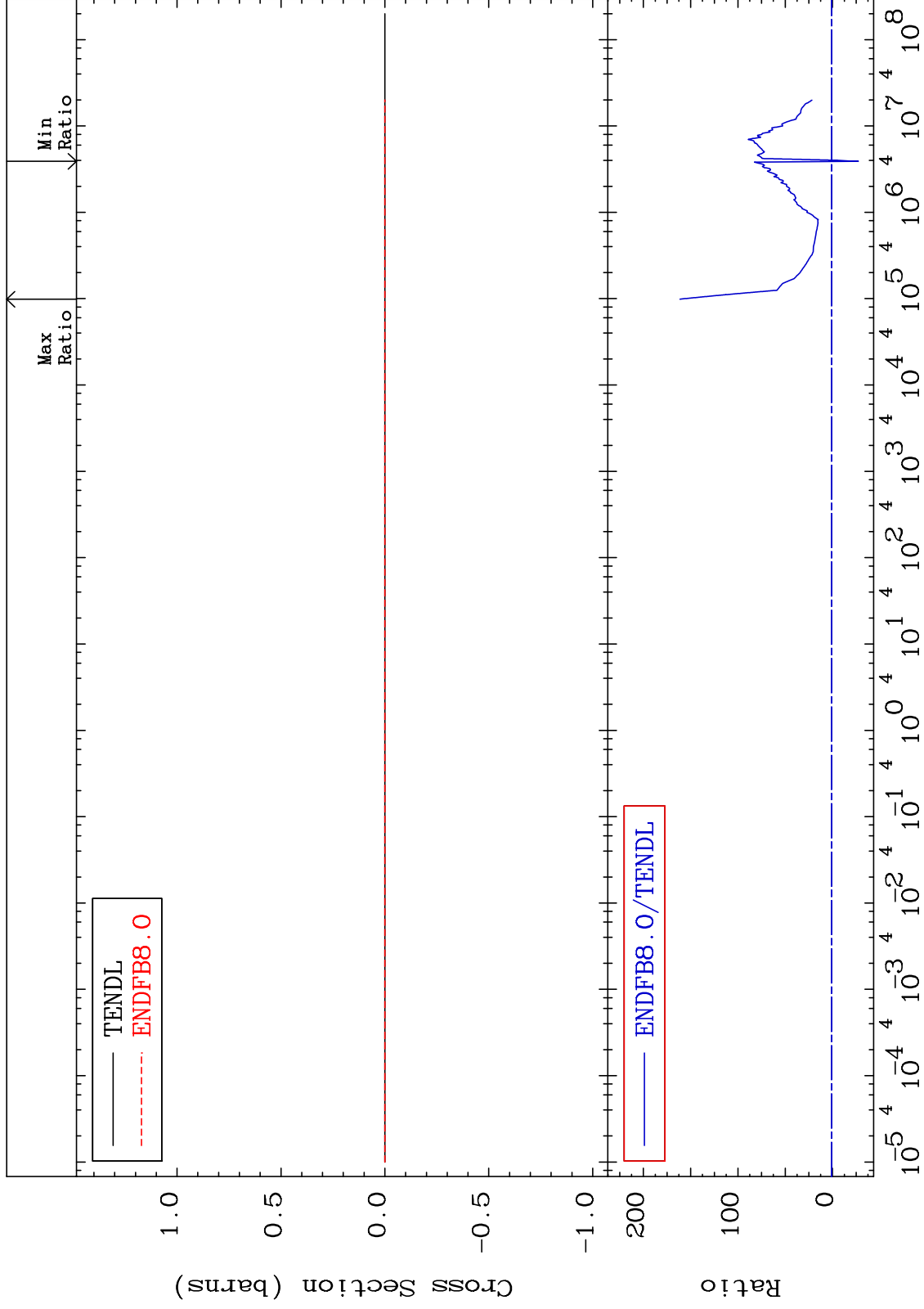
33

72-Hf-182

MAT 7249

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

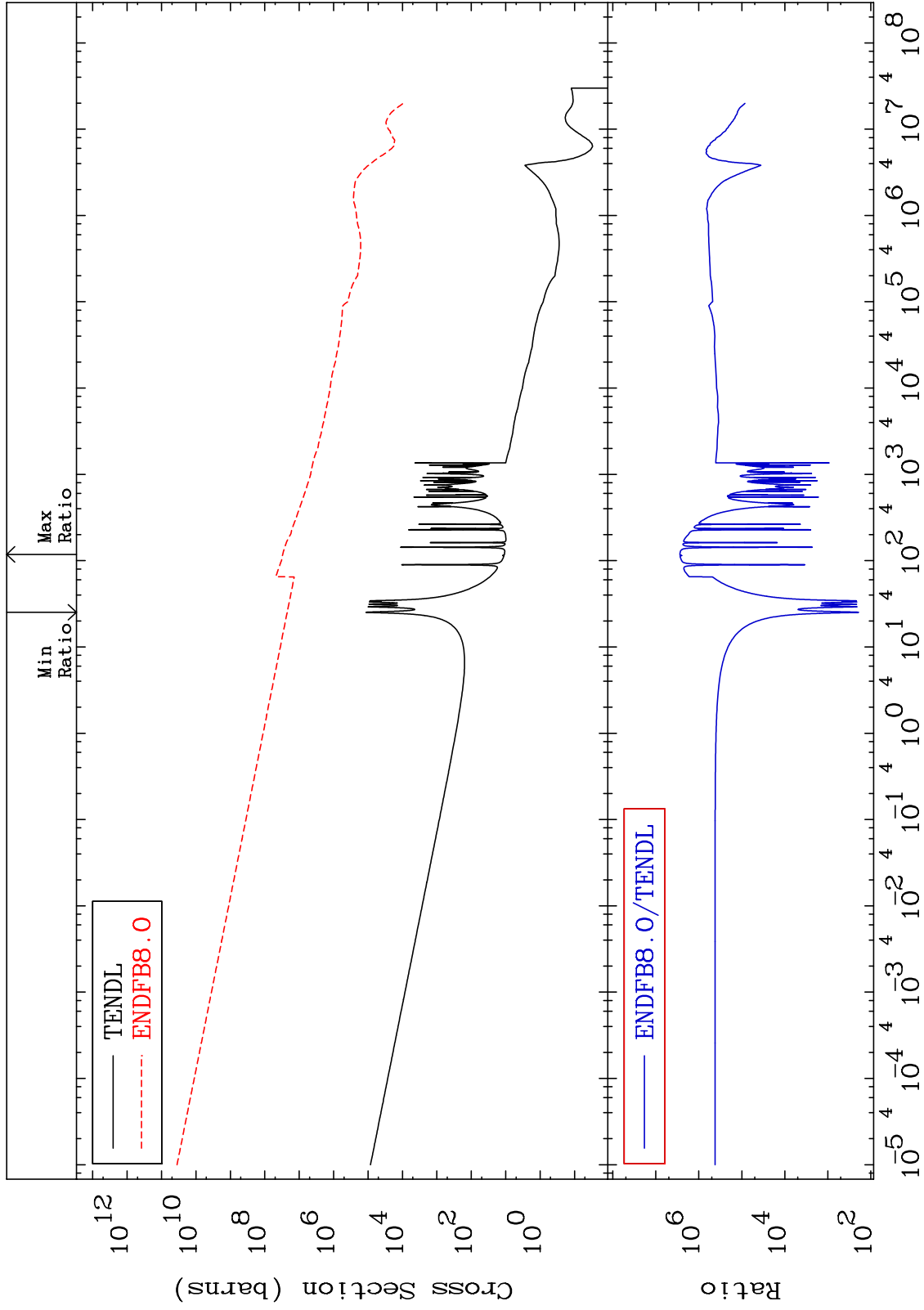
72-Hf-182  
-2841. To 9999. %



MAT 7249

Kerma capture (mt102)  
Cross Section

72-Hf-182  
9999. To 9999. %



35

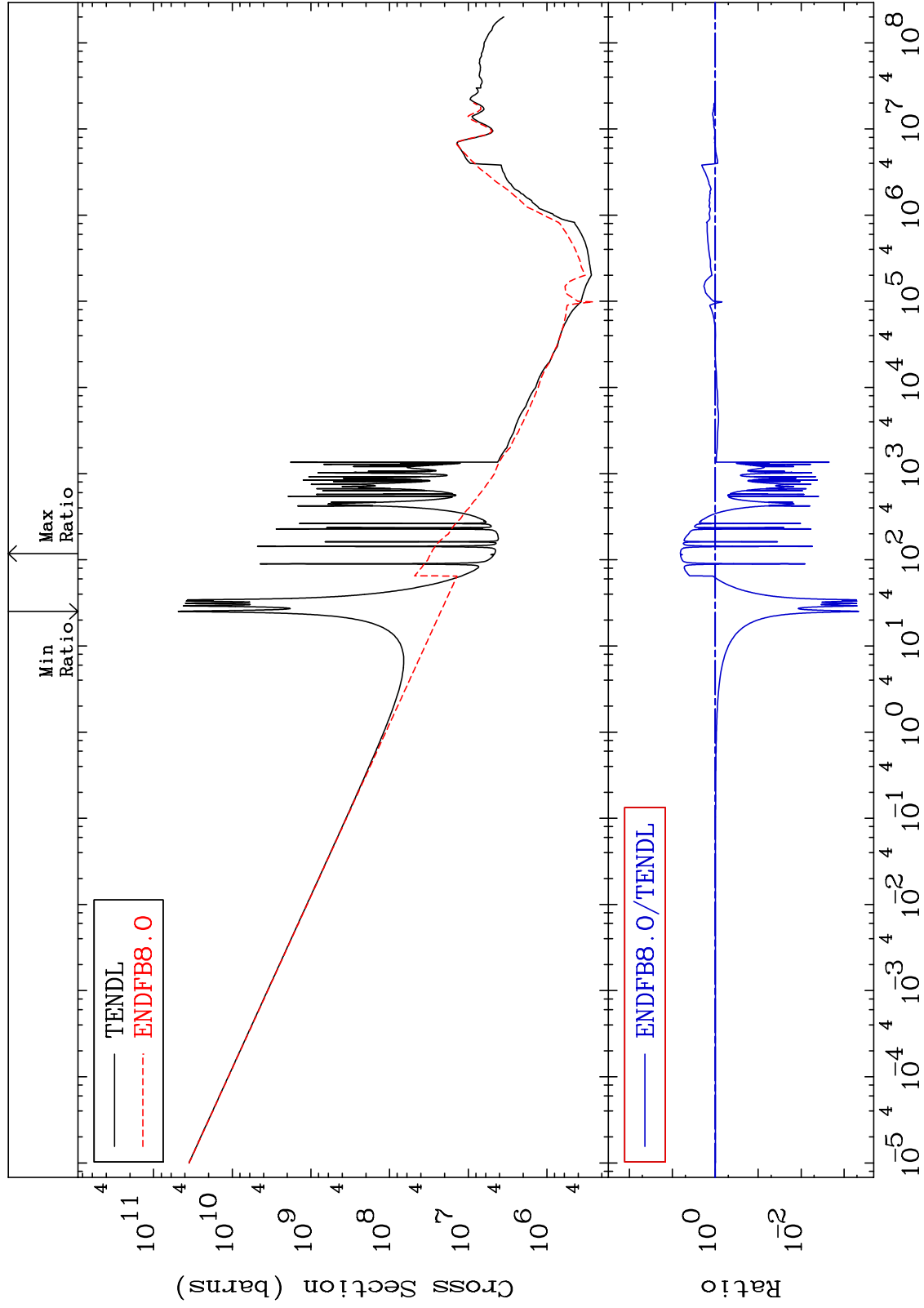
Incident Energy (eV)

72-Hf-182

MAT 7249

Total photon (eV-barns)  
Cross Section

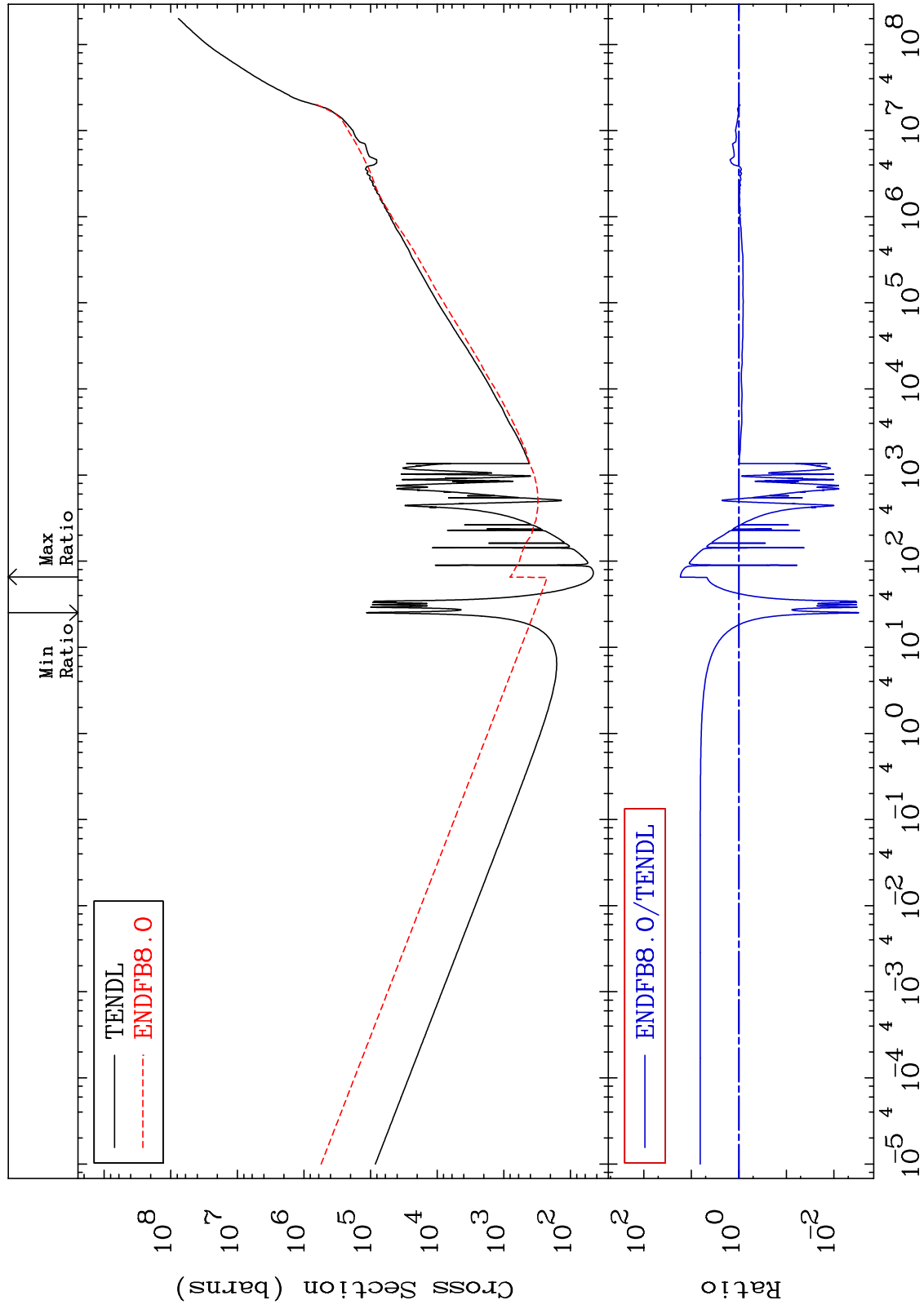
72-Hf-182  
-99.95 To 548.3 %



MAT 7249

Total kinematic kerma (high limit)  
Cross Section

72-Hf-182  
-99.70 To 1594. %



37

Incident Energy (eV)

72-Hf-182

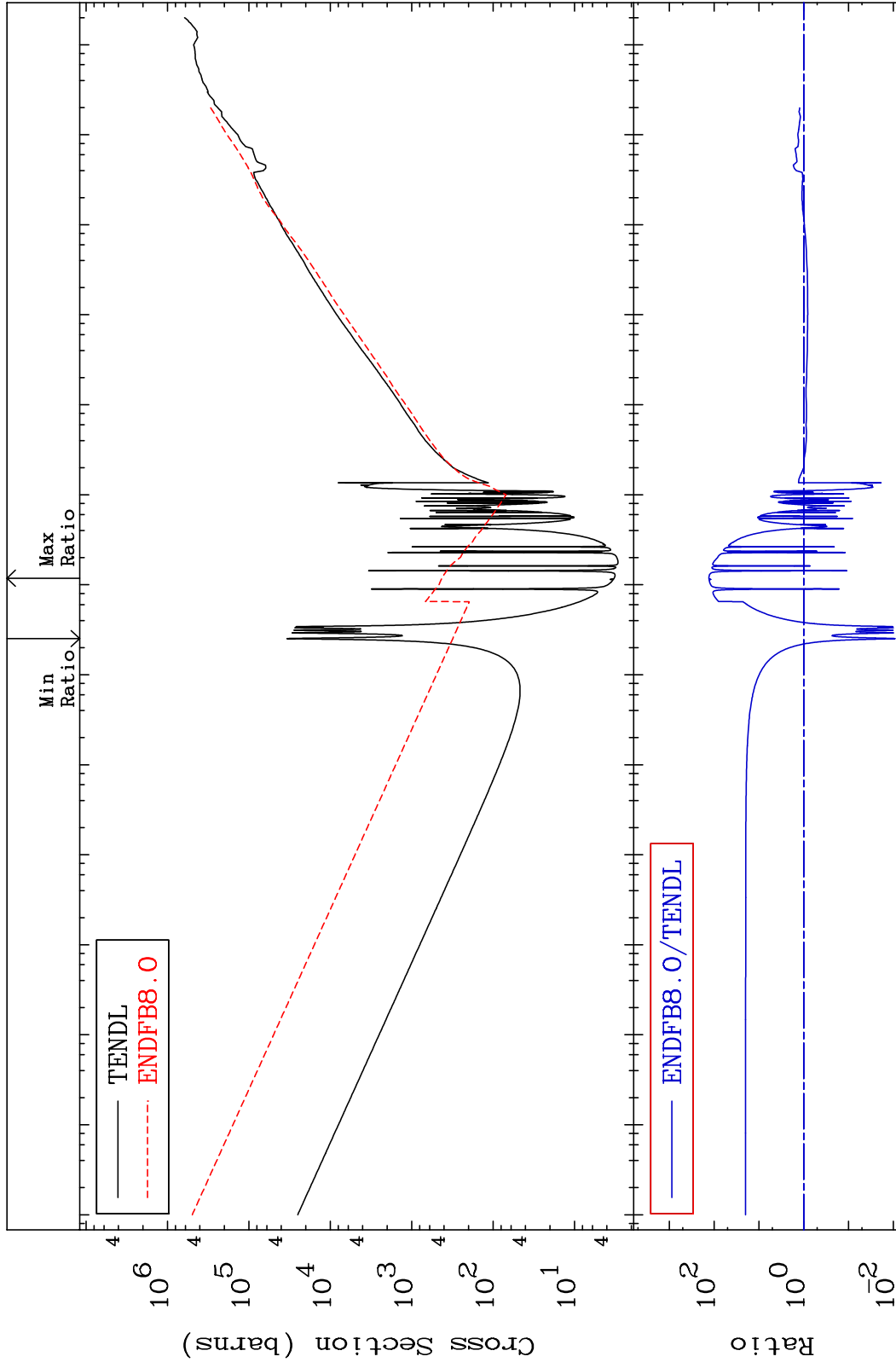
MAT 7249

Dpa total (eV-barns)

72-Hf-182

-99.08 To 9999. %

Cross Section

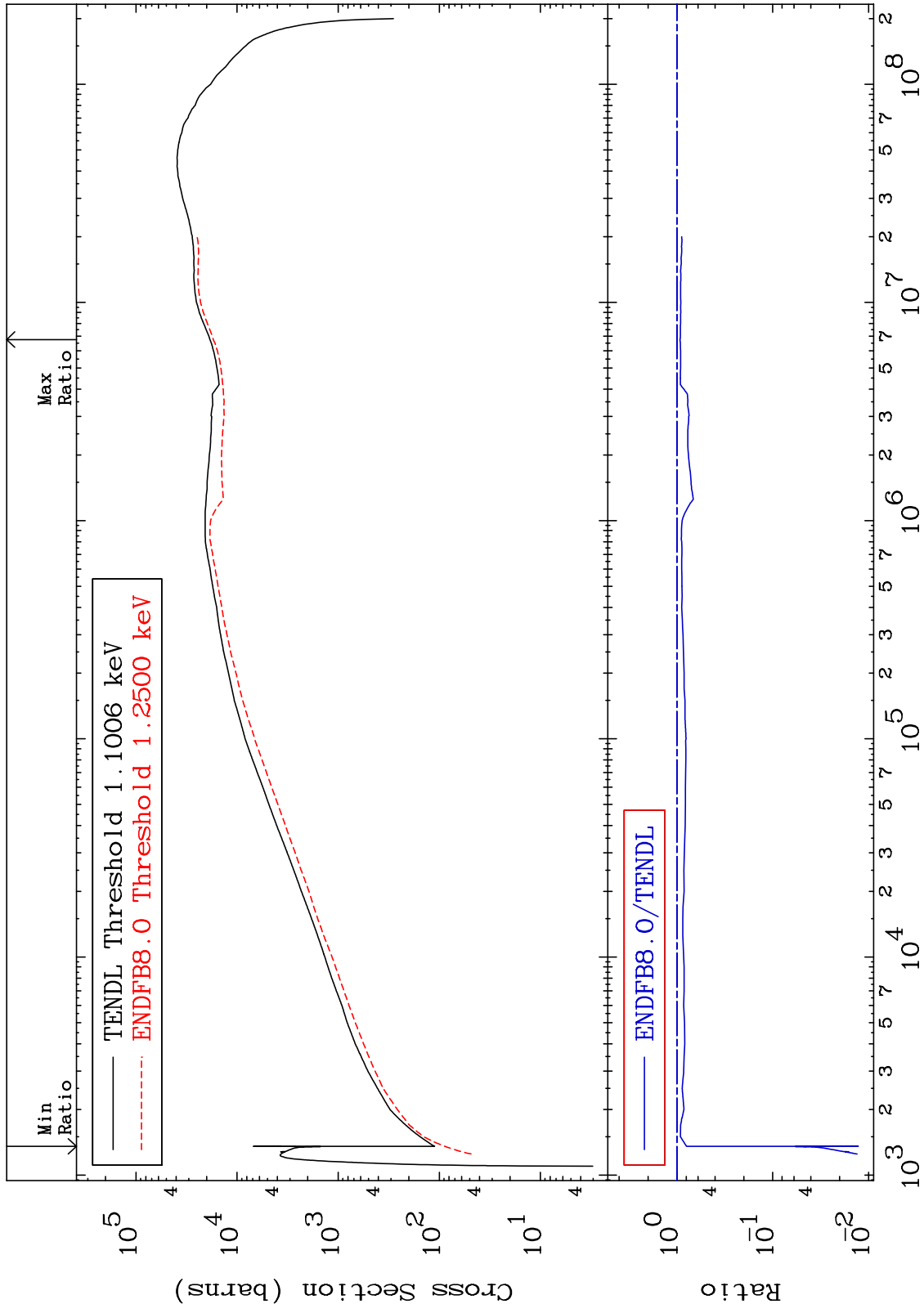


Incident Energy (eV)

MAT 7249

Dpa elastic (mt2)  
Cross Section

72-Hf-182  
-98.73 To -7.242%



39

Incident Energy (eV)

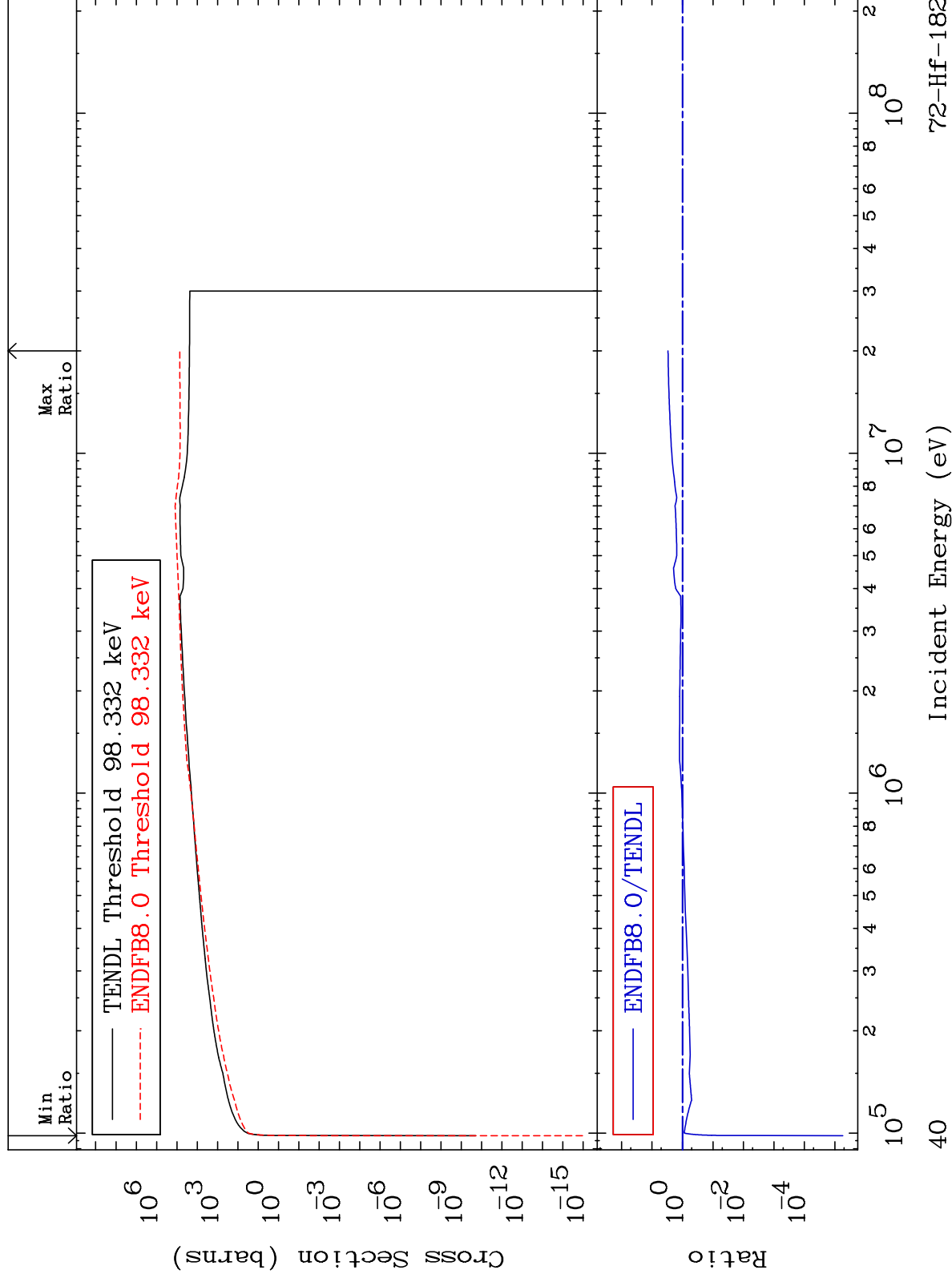
72-Hf-182



MAT 7249

Dpa inelastic (mt51-91)  
Cross Section

72-Hf-182  
-100.0 To 198.4 %



MAT 7249

Dpa disappearance (mt102 -120)  
Cross Section

72-Hf-182  
-99.08 To 9999. %

