

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

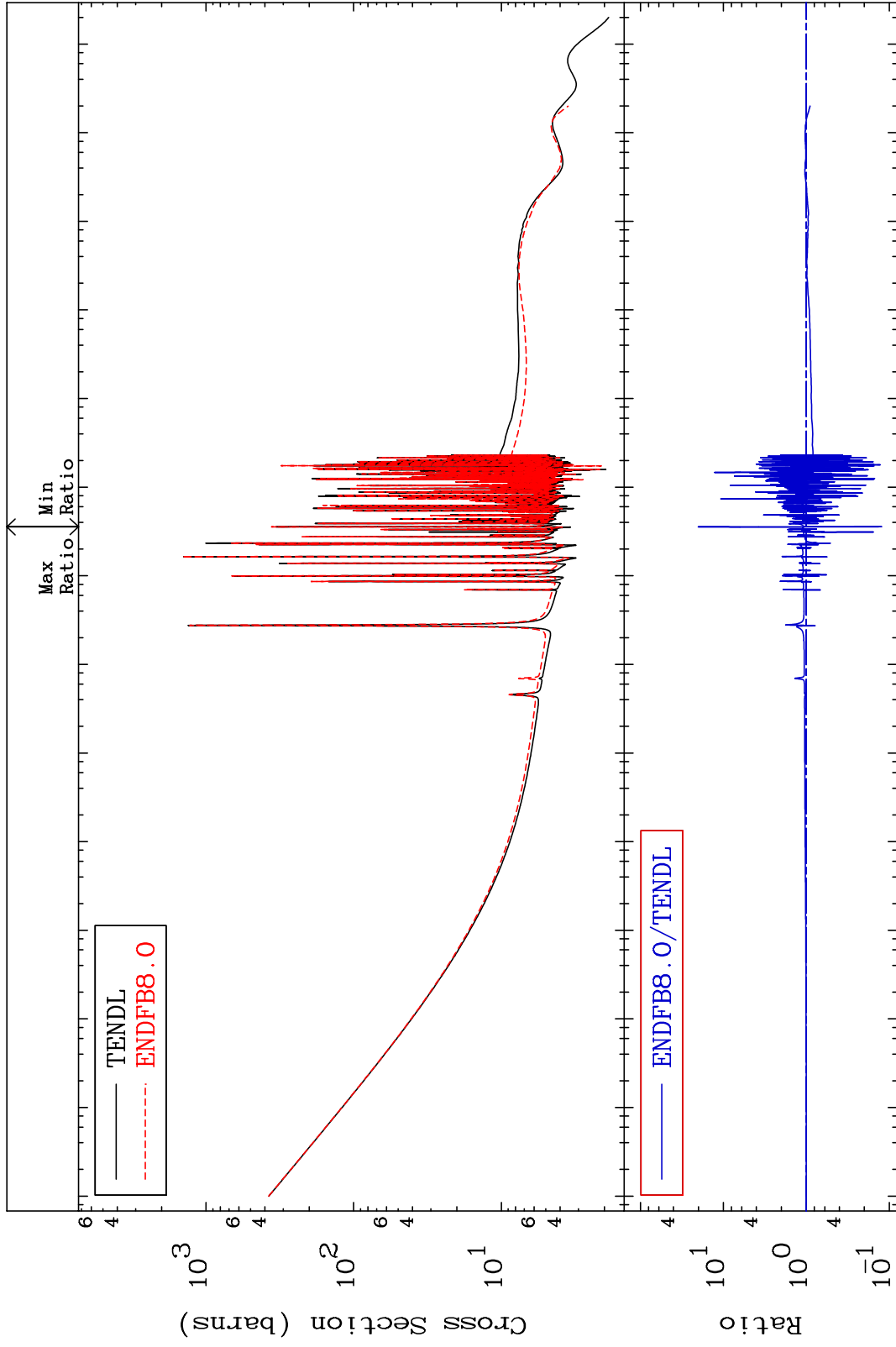
MAT 4840

Total

48-Cd-111

Cross Section

-87.60 To 1904. %



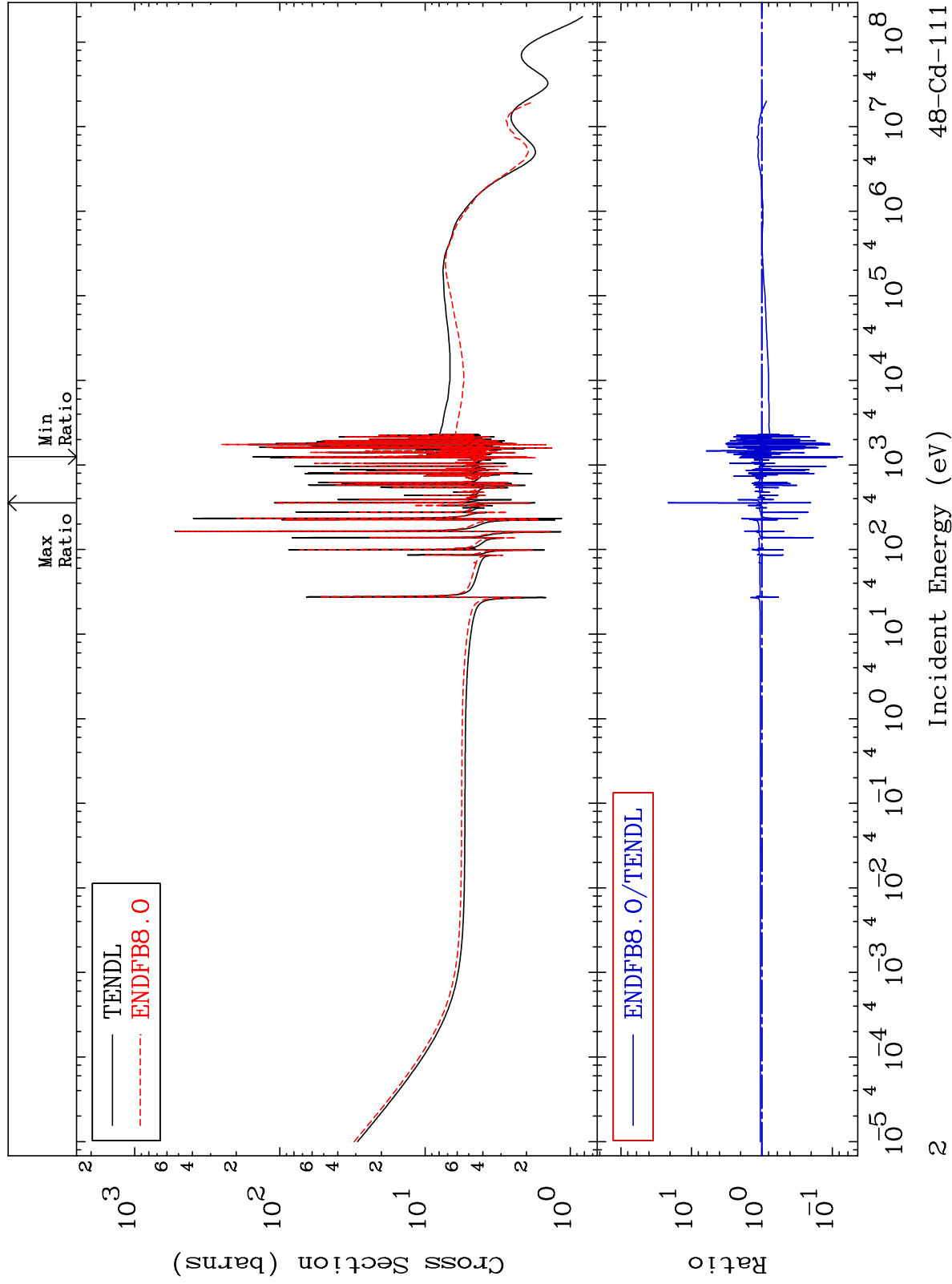
Incident Energy (eV)

48-Cd-111

MAT 4840

Elastic  
Cross Section

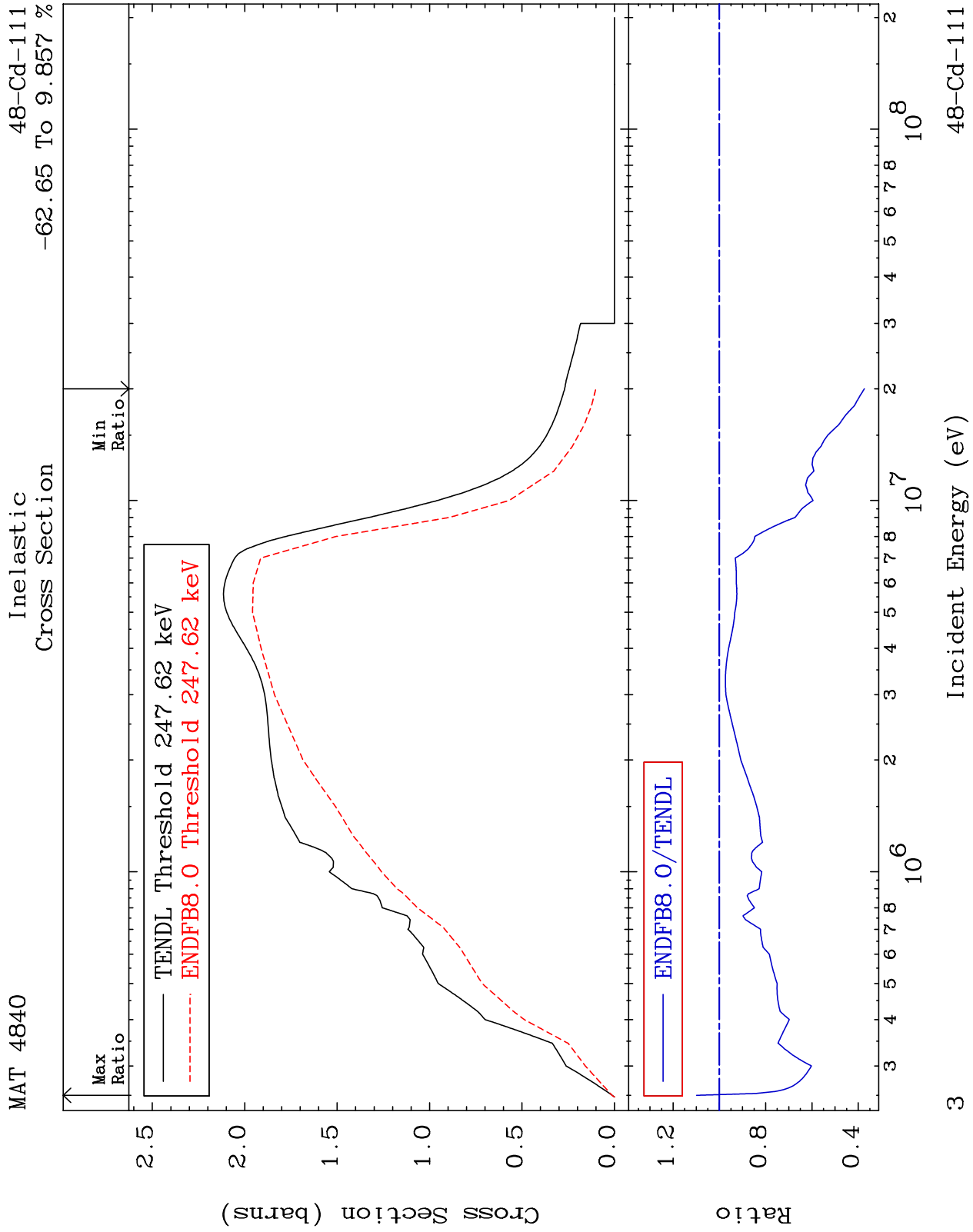
48-Cd-111  
-92.91 To 2045. %



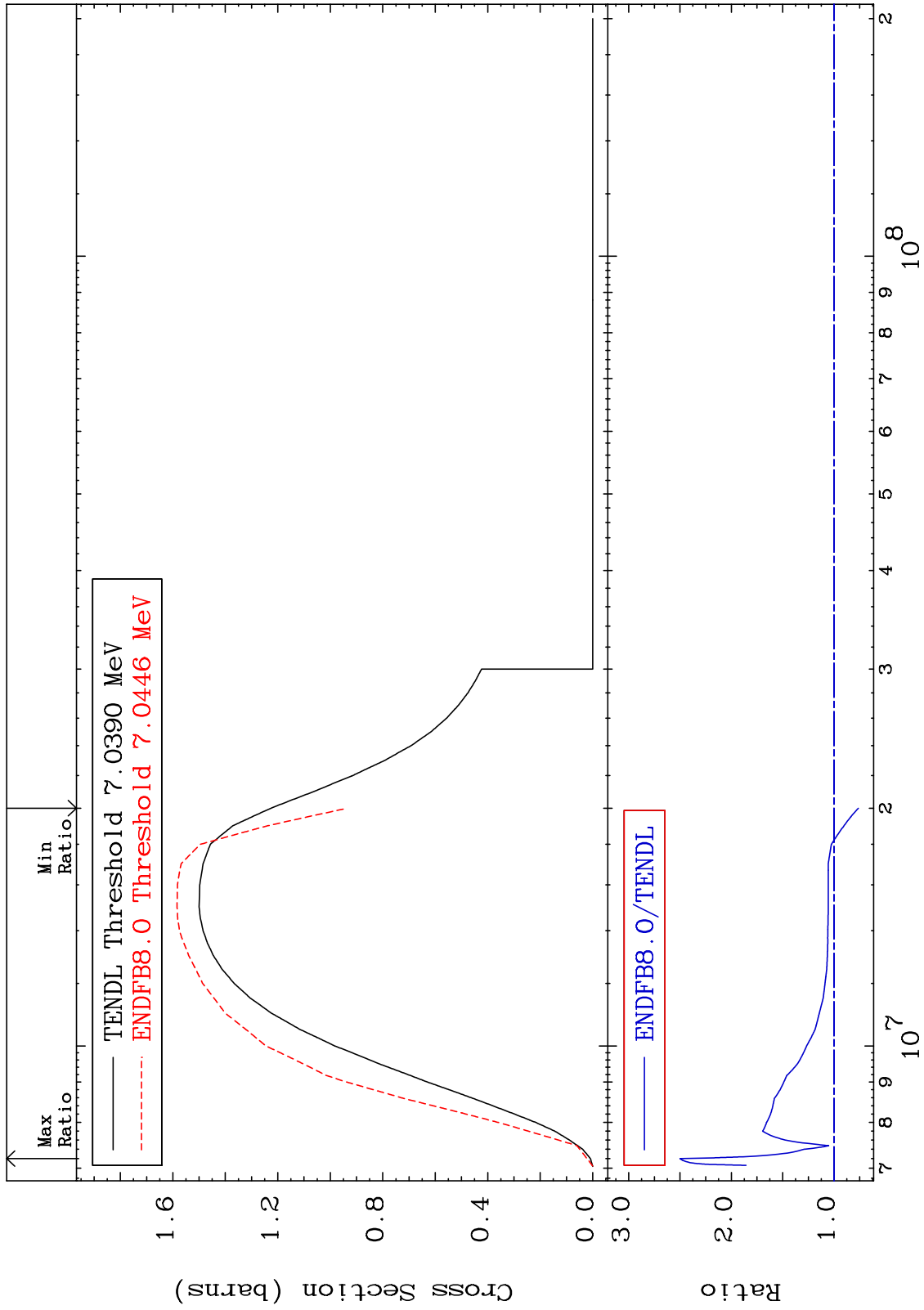
48-Cd-111

Incident Energy (eV)

2



MAT 4840 (n,2n) Cross Section 48-Cd-111 -23.74 To 150.0 %



4 48-Cd-111

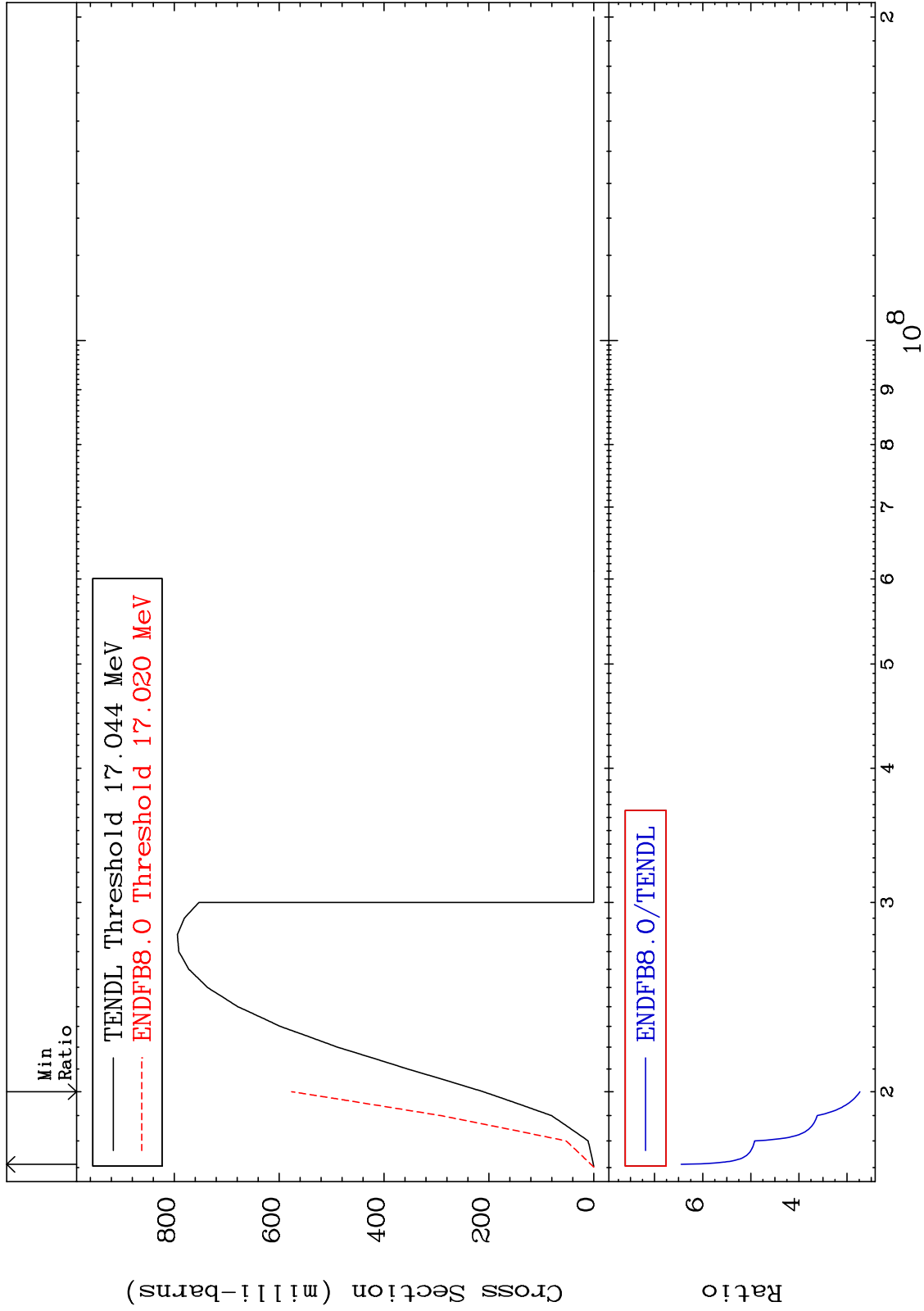
MAT 4840

(n, 3n)

48-Cd-111

Cross Section

173.3 To 544.6 %



5

Incident Energy (eV)

48-Cd-111

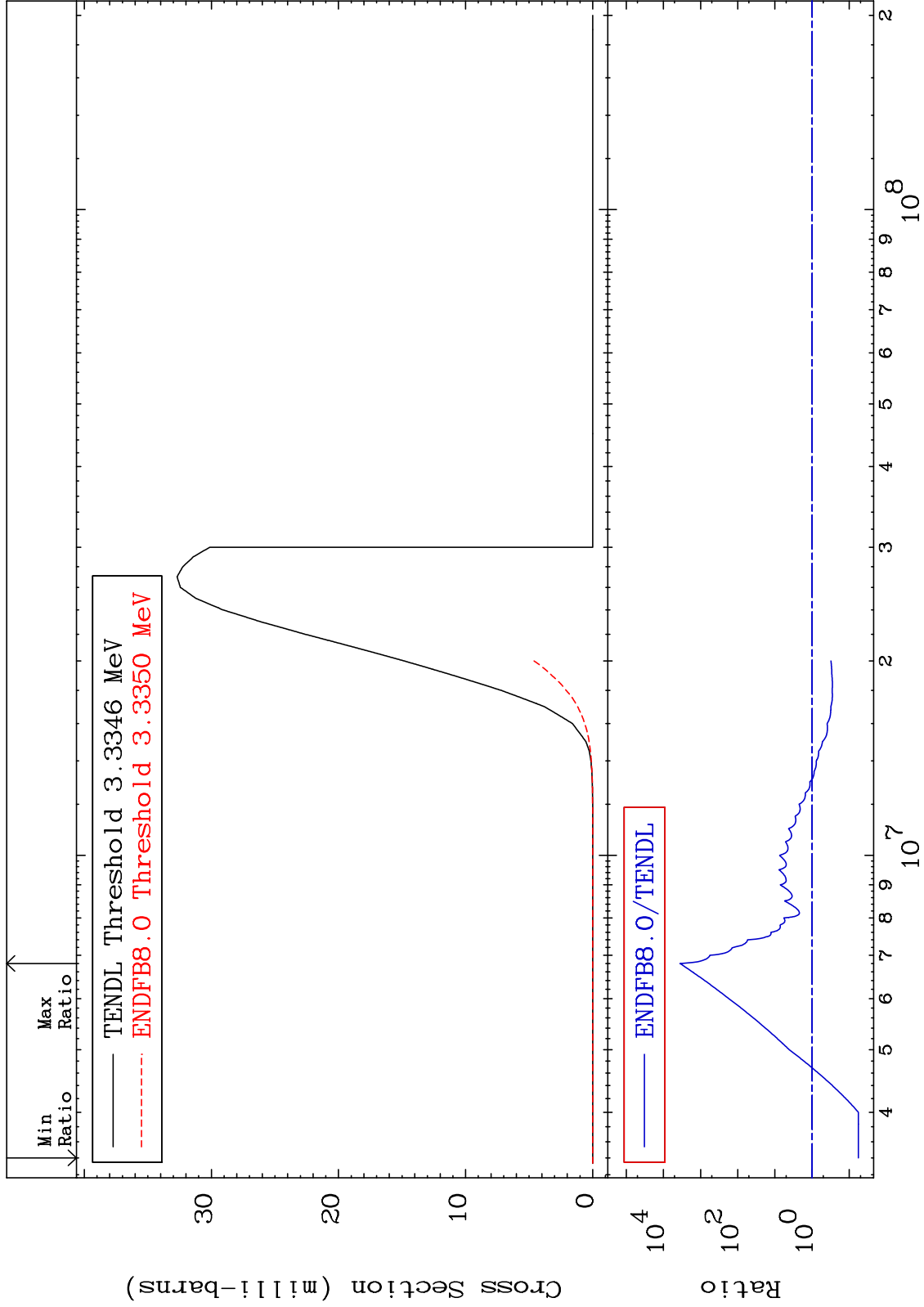
MAT 4840

(n,n')  $\alpha$

48-Cd-111

-94.31 To 9999. %

Cross Section



6

Incident Energy (eV)

48-Cd-111

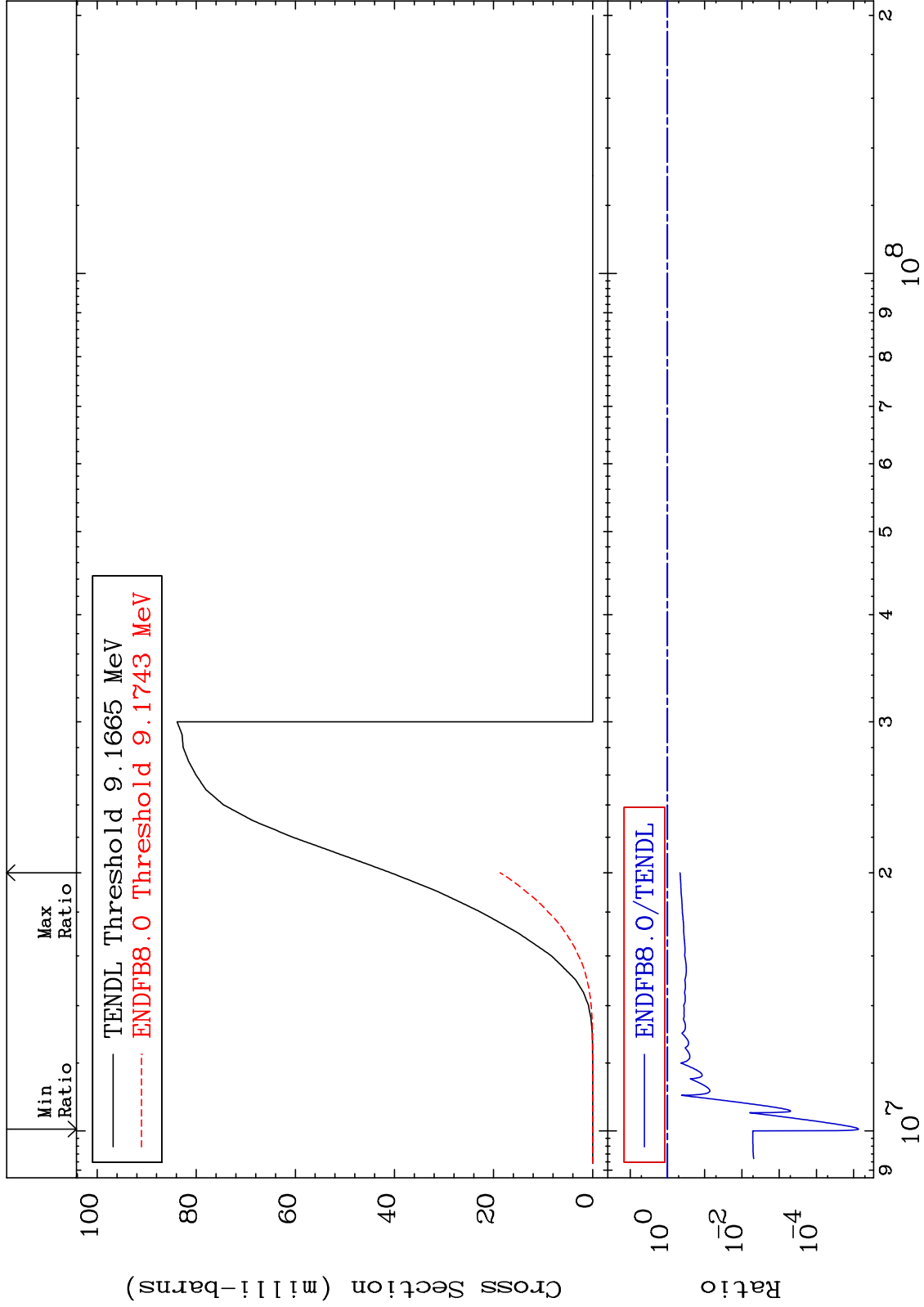
MAT 4840

(n,n') p

48-Cd-111

Cross Section

-100.0 To -54.14%



Incident Energy (eV)

48-Cd-111



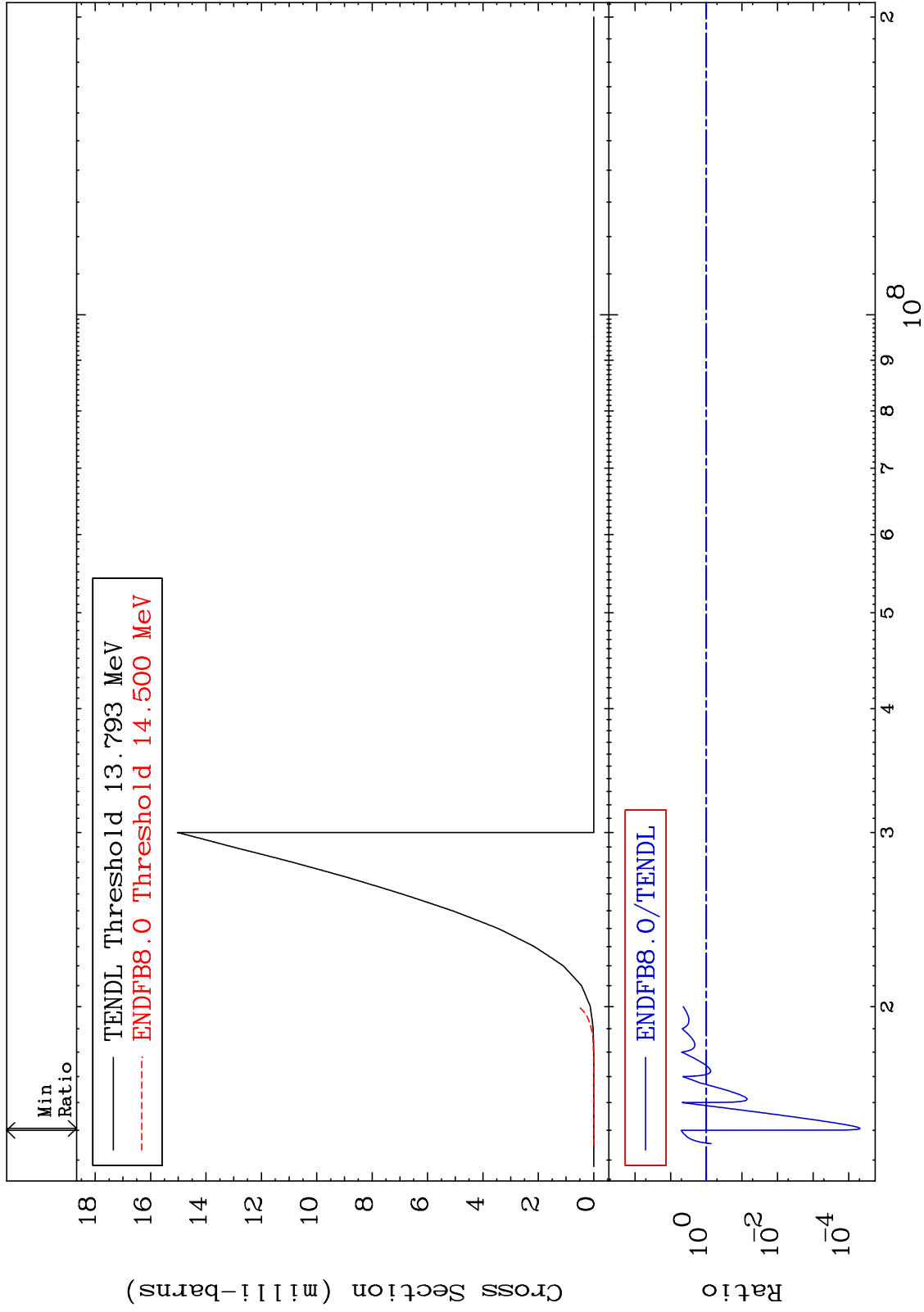
MAT 4840

(n,n') d

48-Cd-111

Cross Section

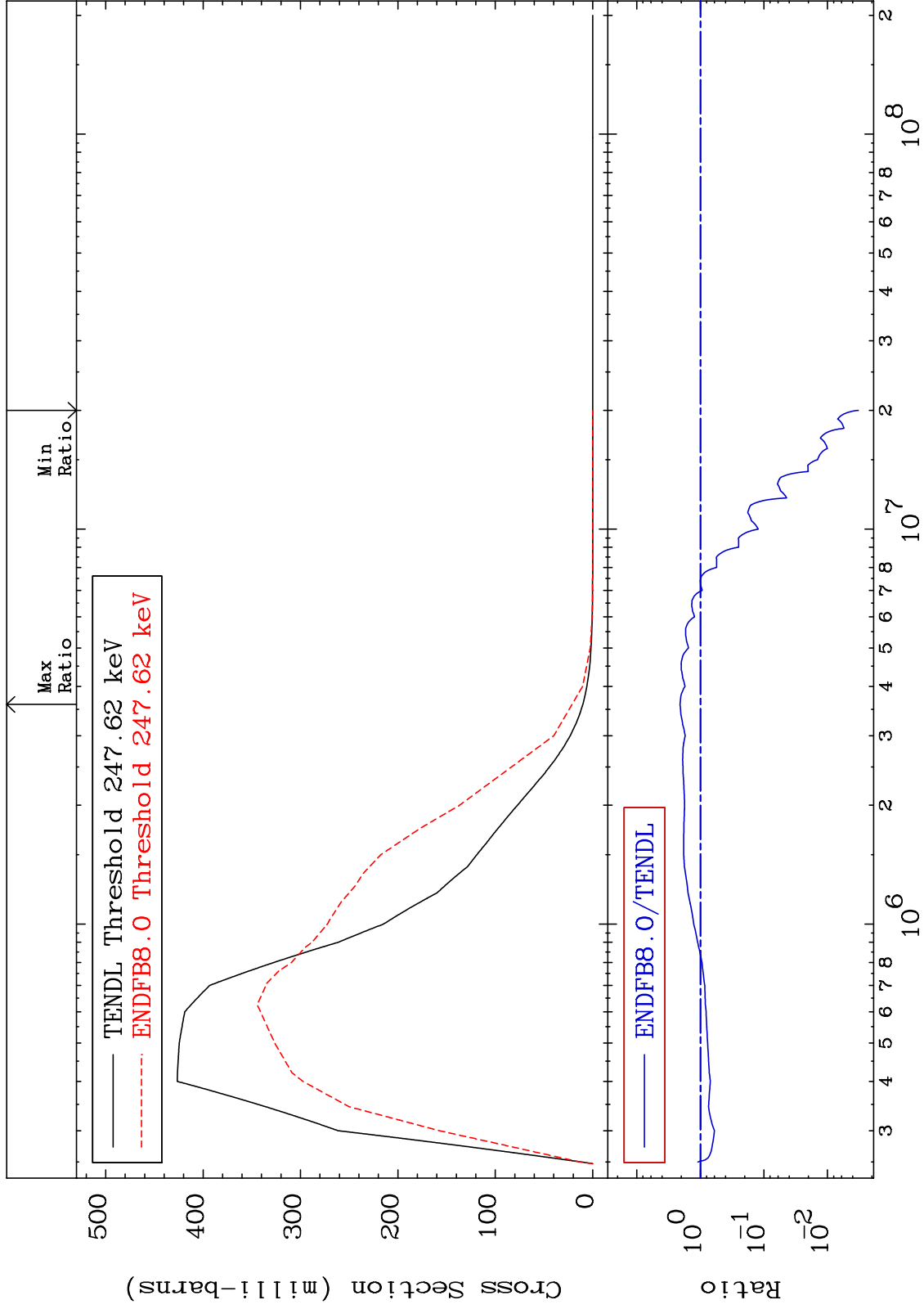
-100.0 To 405.4 %



MAT 4840

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

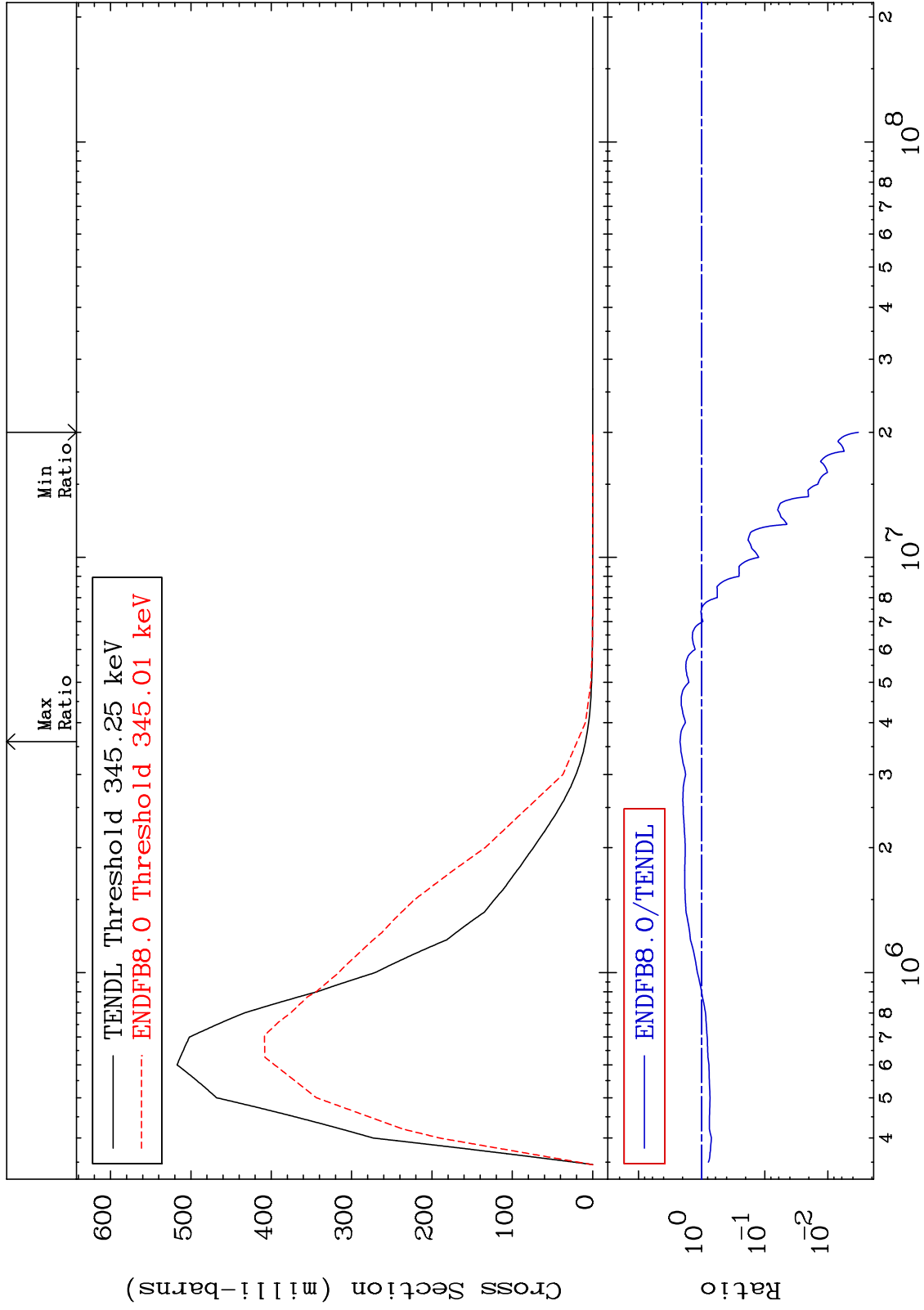
48-Cd-111  
-99.67 To 108.8 %



MAT 4840

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

48-Cd-111  
-99.67 To 119.7 %



10

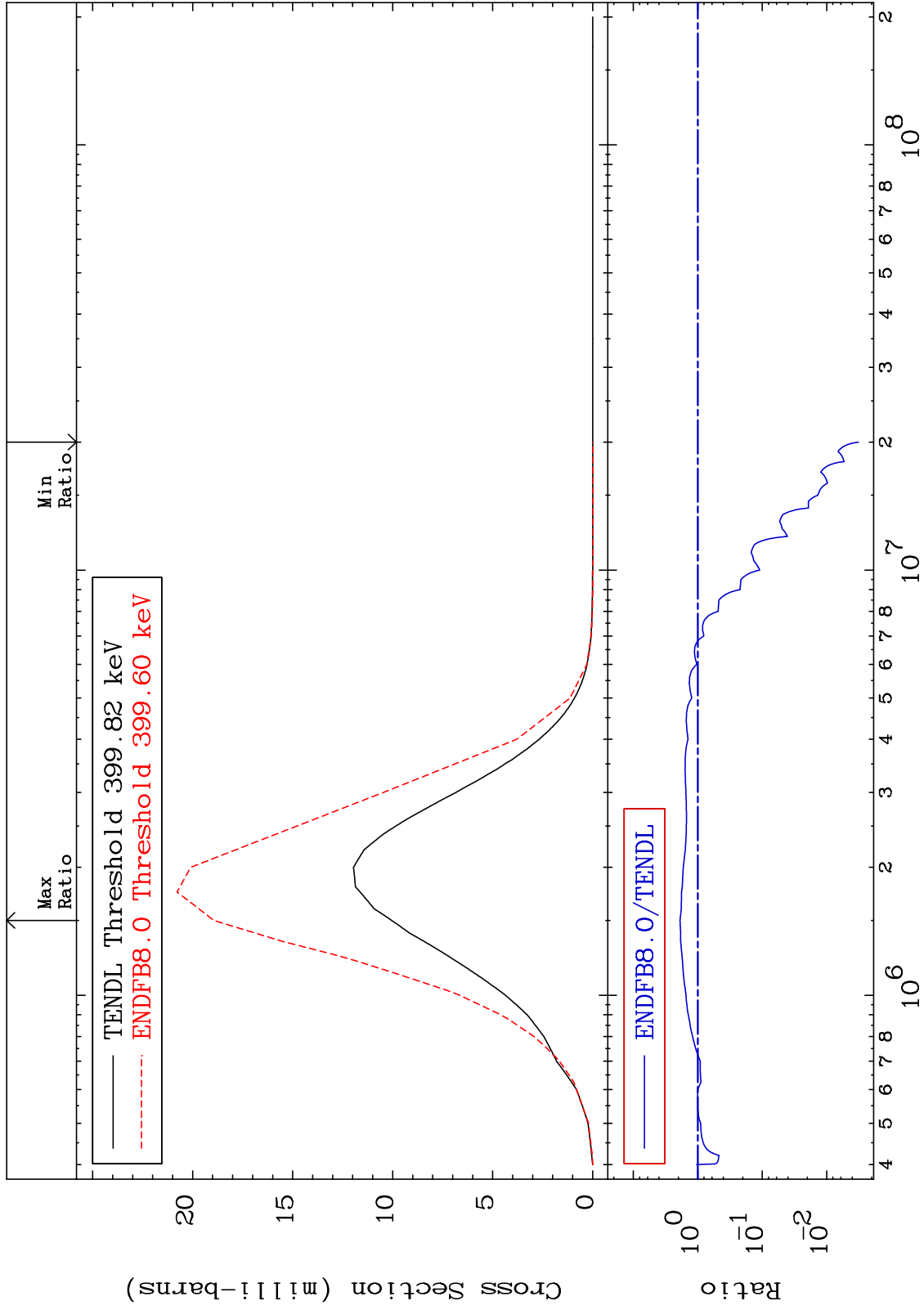
Incident Energy (eV)

48-Cd-111

MAT 4840

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

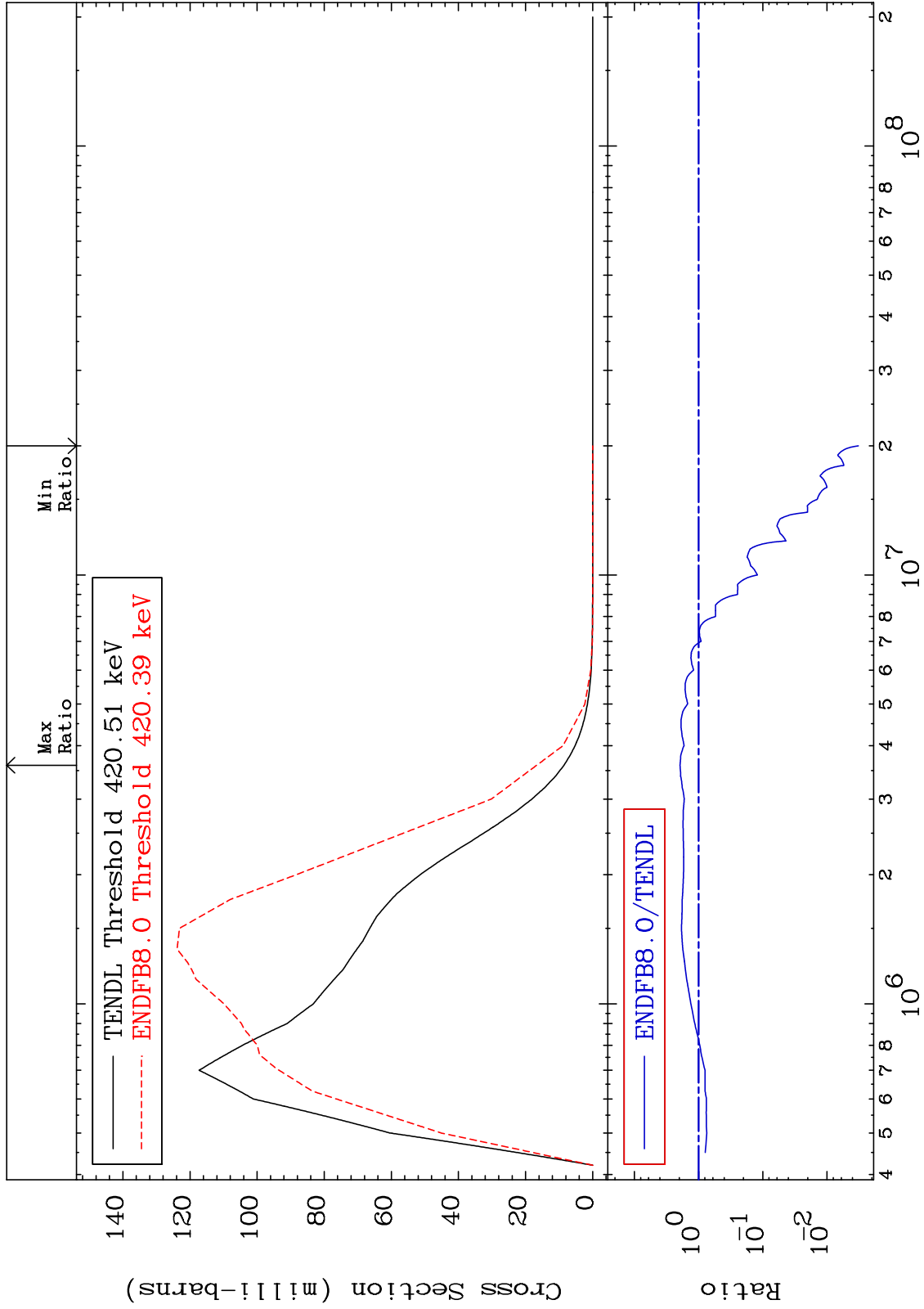
48-Cd-111  
-99.68 To 88.51 %



MAT 4840

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

48-Cd-111  
-99.68 To 94.71 %

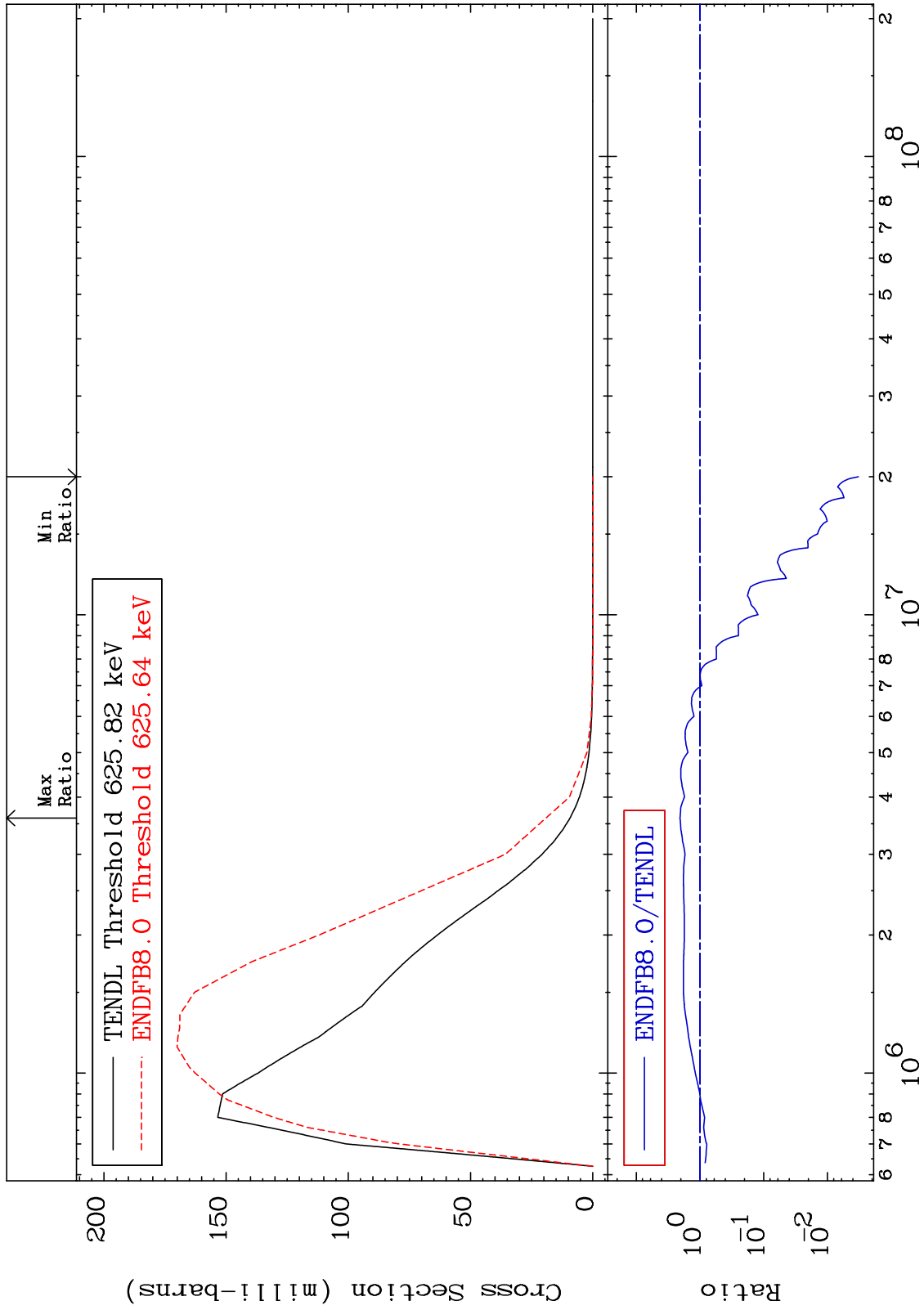


12

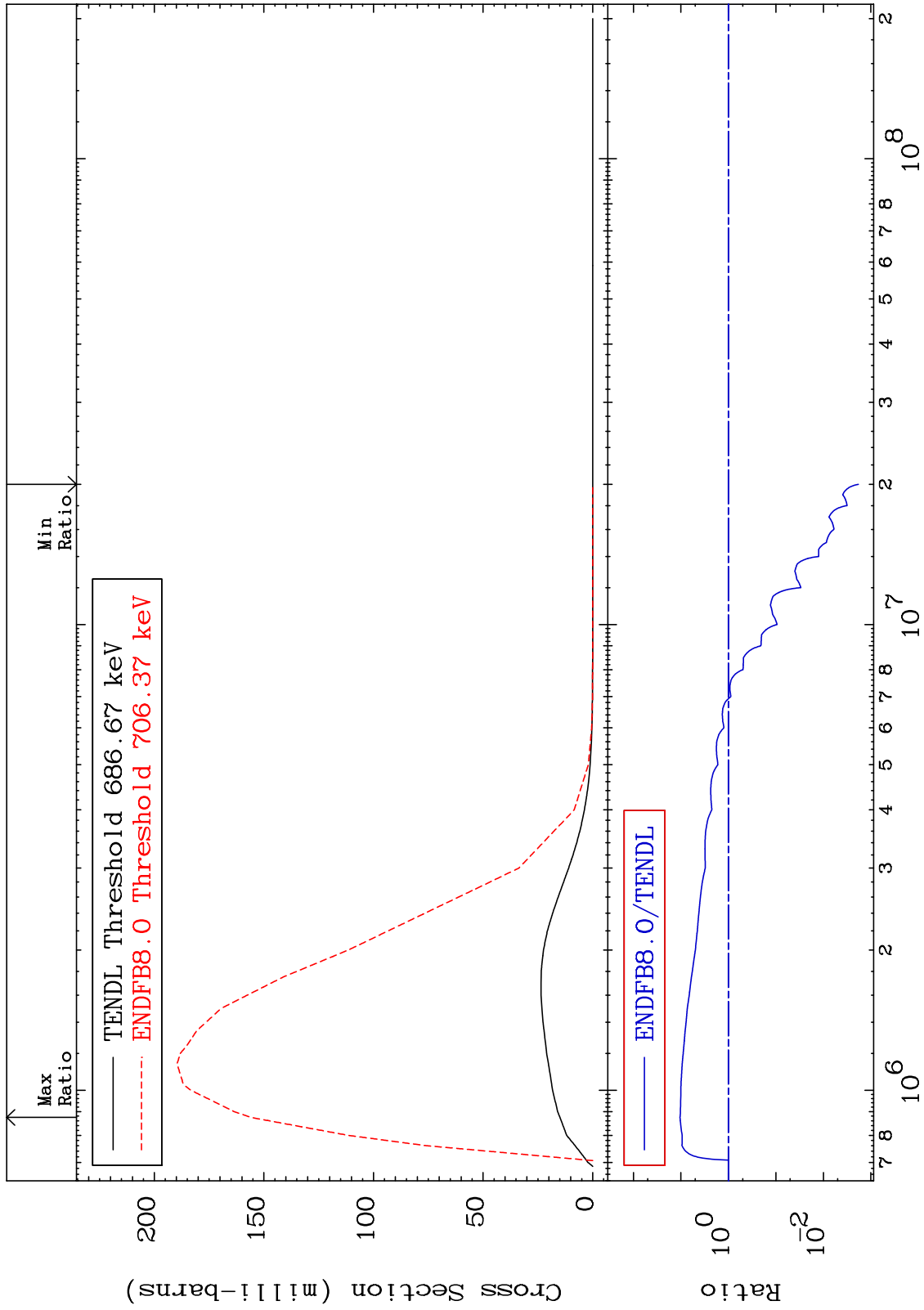
Incident Energy (eV)

48-Cd-111

MAT 4840      MT= 55 (n,n') Level      48-Cd-111  
 Cross Section      -99.67 To 106.4 %



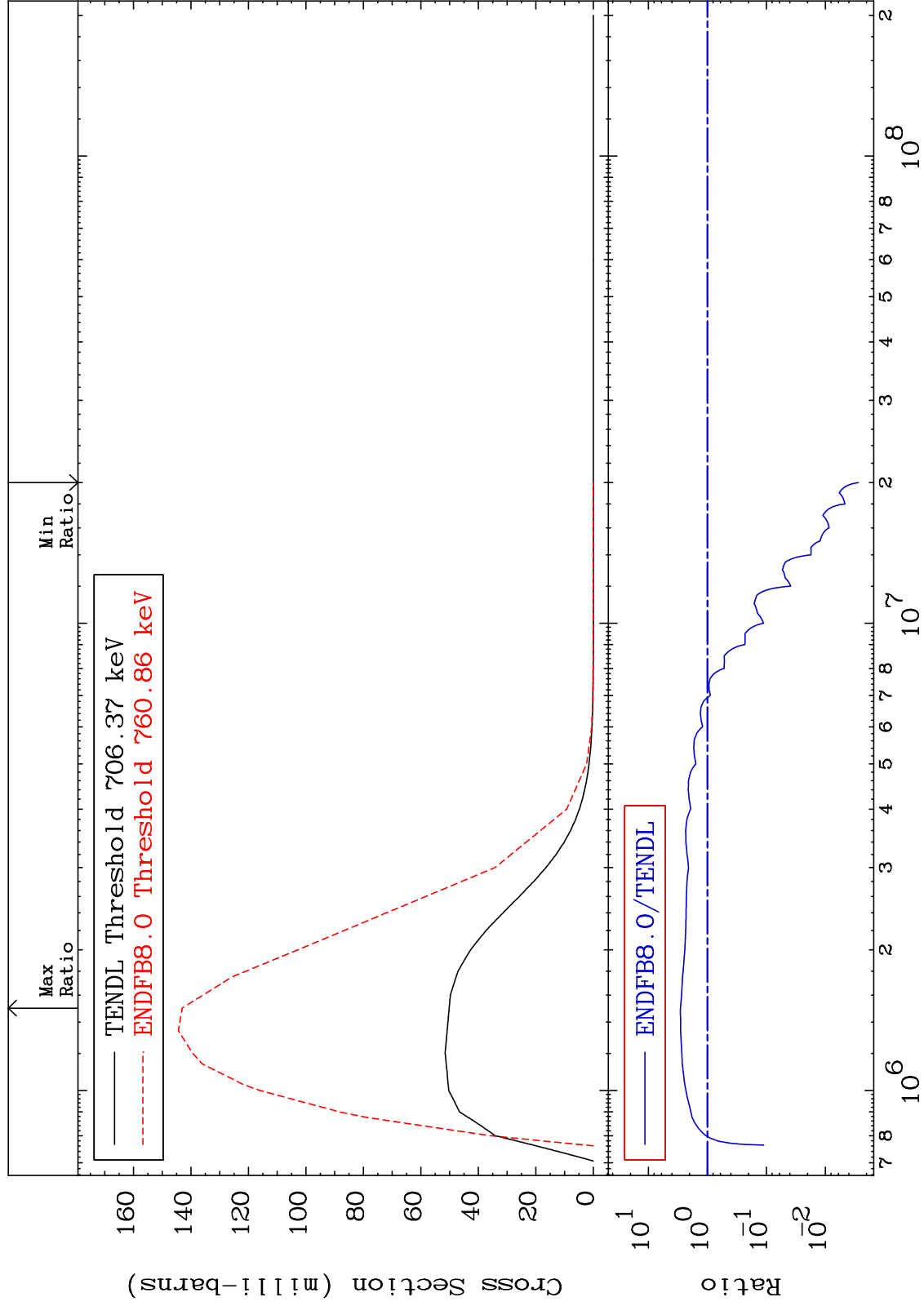
MAT 4840      MT= 56 (n,n') Level      48-Cd-111  
Cross Section      -99.82 To 943.6 %



MAT 4840

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

48-Cd-111  
-99.73 To 185.3 %



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Incident Energy (eV)

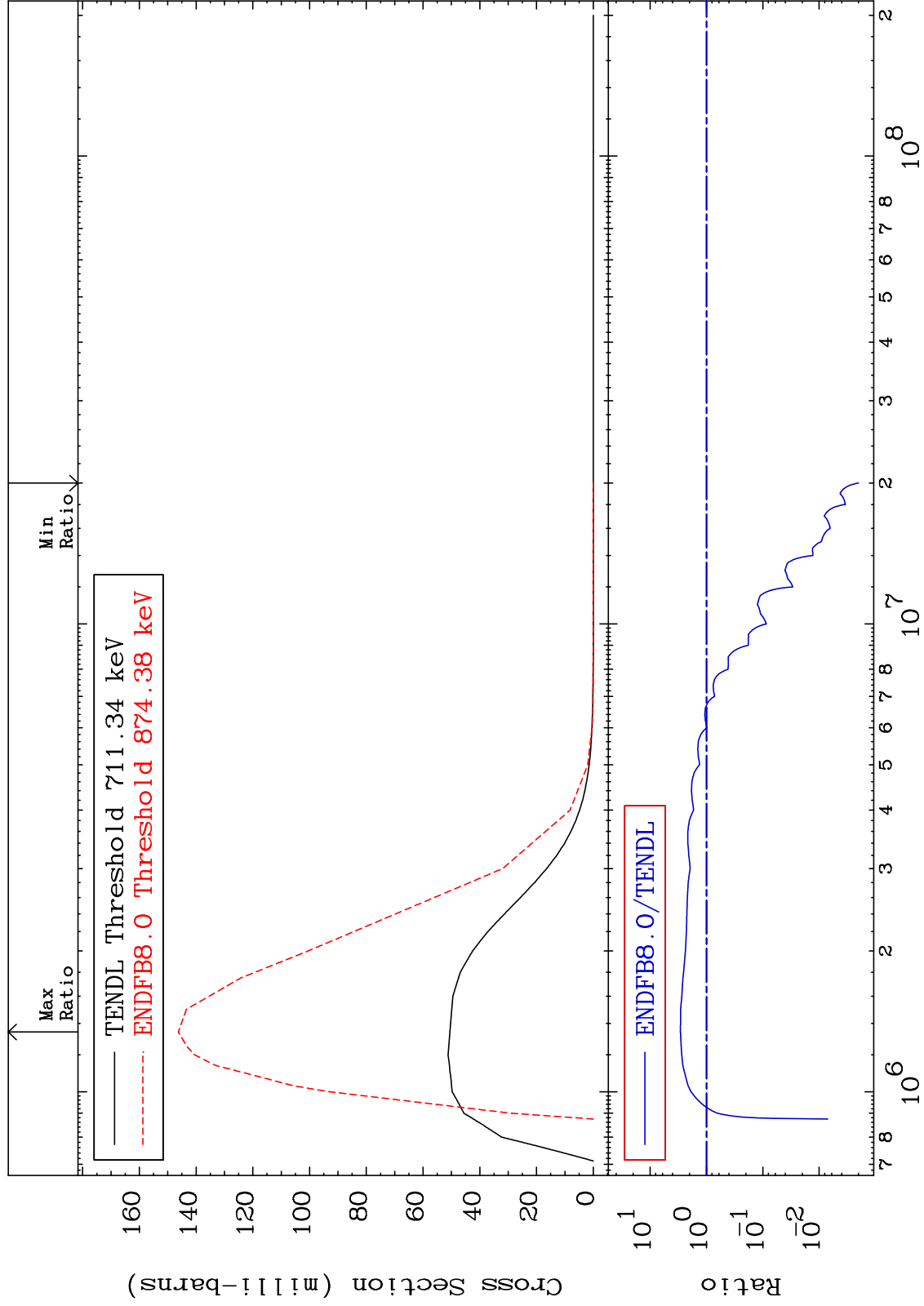
48-Cd-111



MAT 4840

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

48-Cd-111  
-99.80 To 189.4 %



16

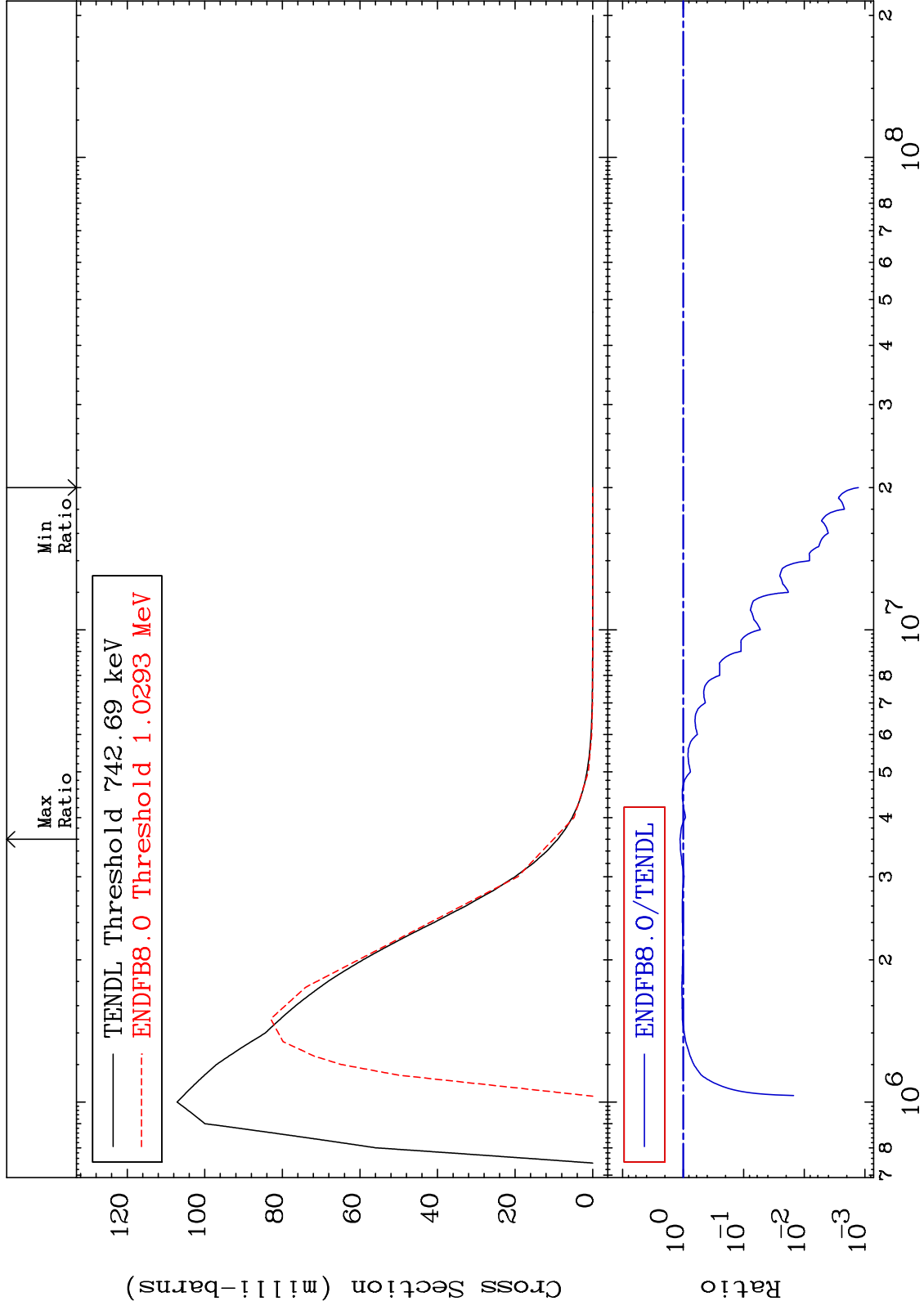
Incident Energy (eV)

48-Cd-111

MAT 4840

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

48-Cd-111  
-99.87 To 12.50 %



17

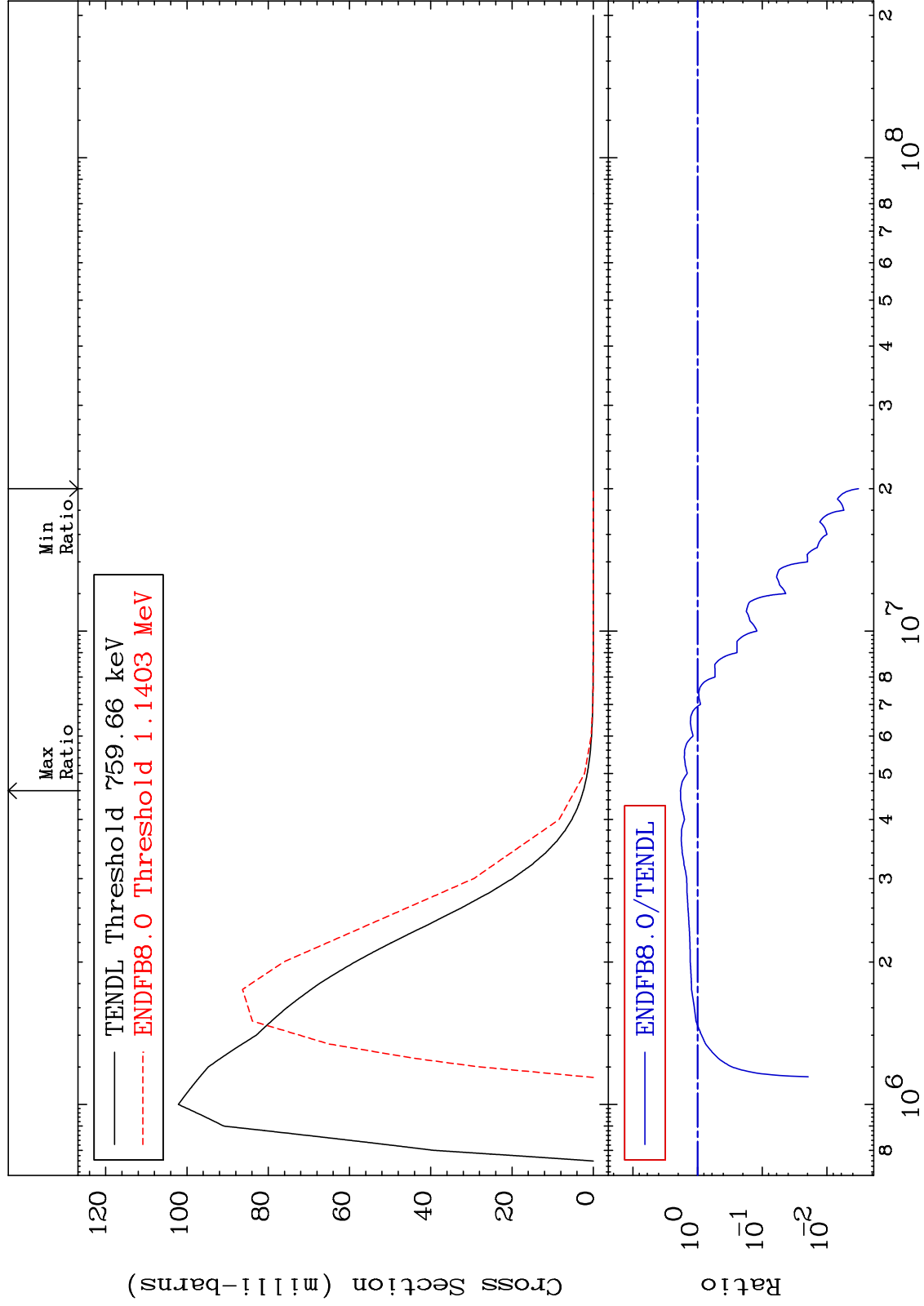
Incident Energy (eV)

48-Cd-111

MAT 4840

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

48-Cd-111  
-99.67 To 84.30 %



18

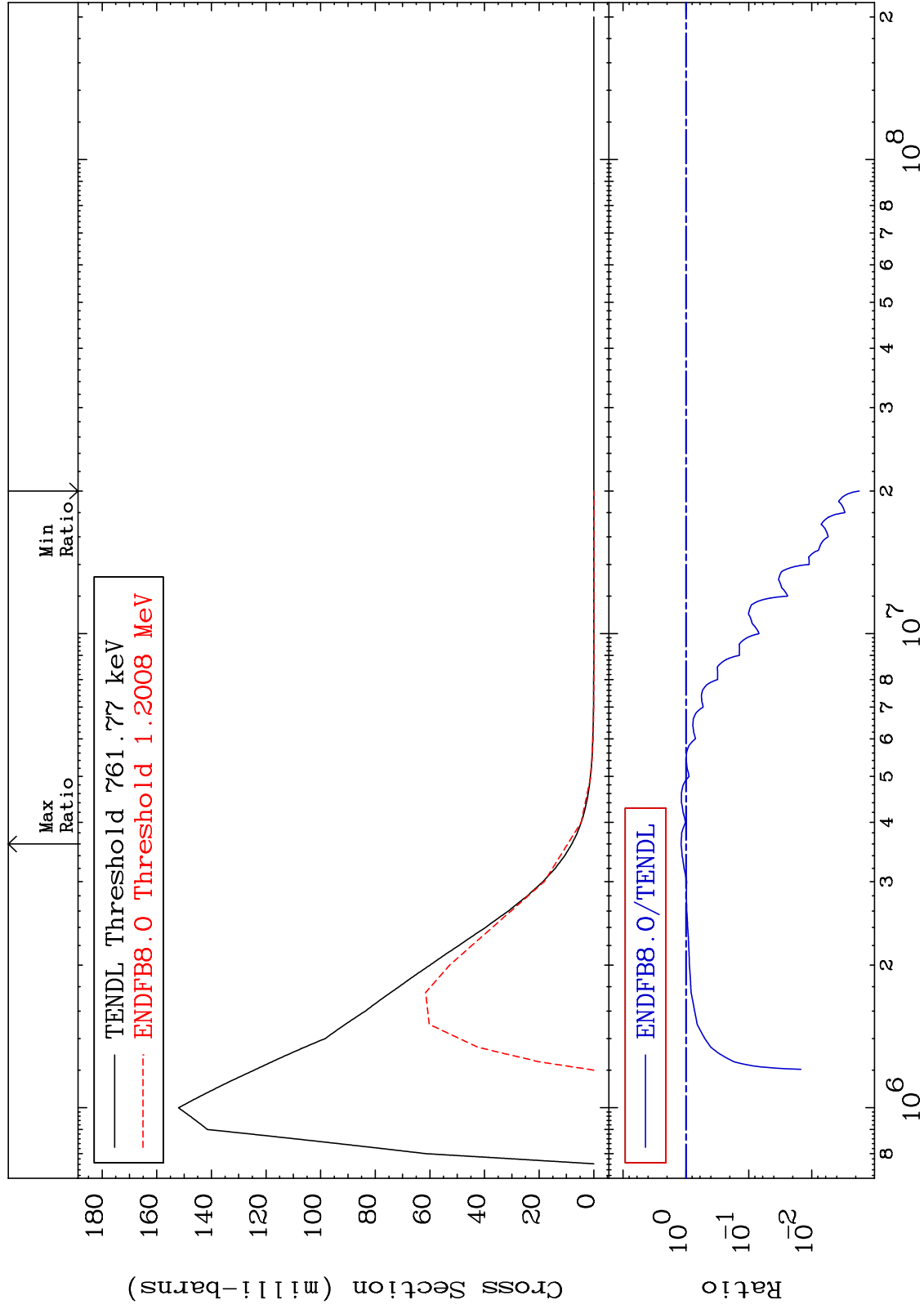
Incident Energy (eV)

48-Cd-111

MAT 4840

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

48-Cd-111  
-99.82 To 19.39 %



19

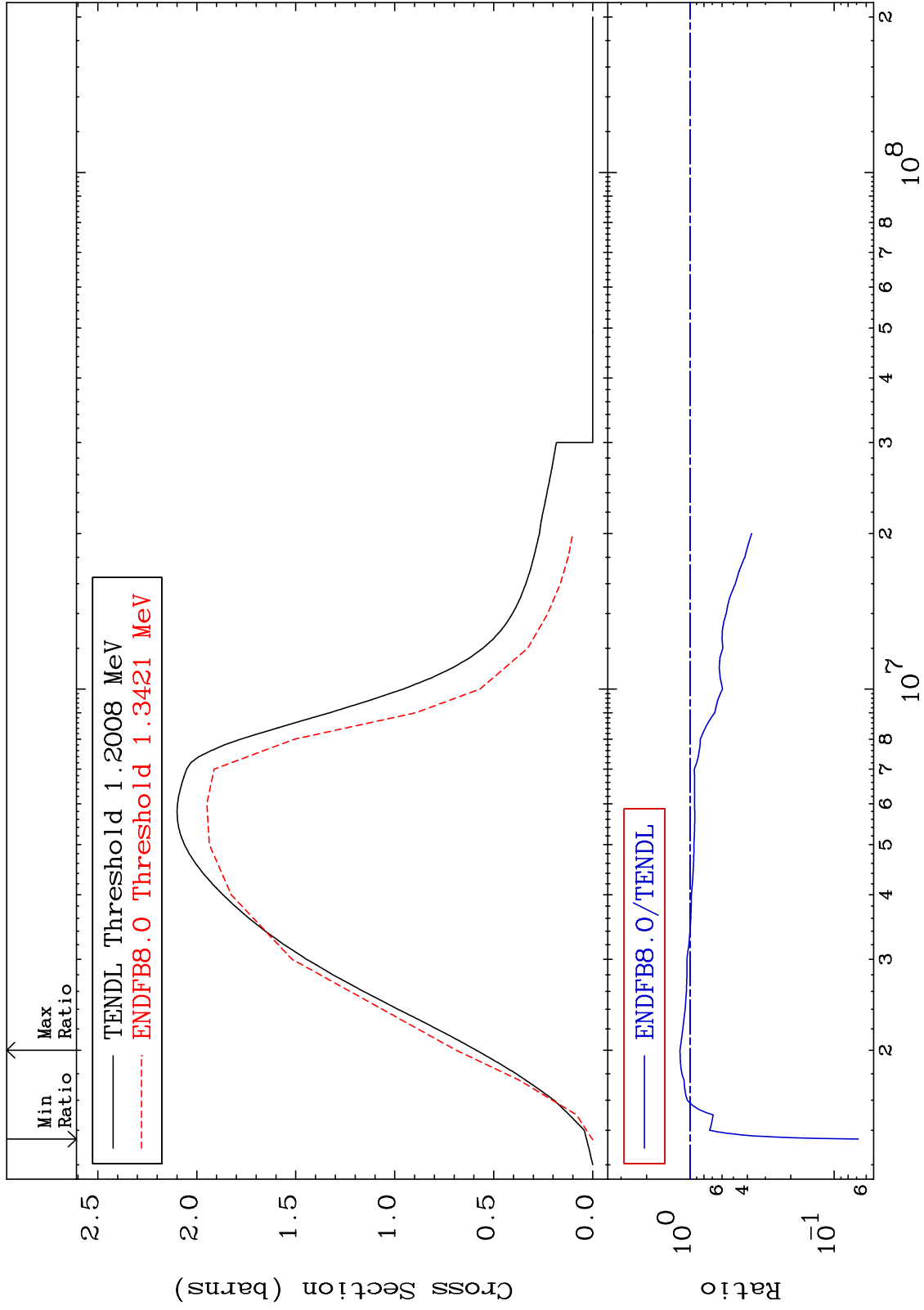
Incident Energy (eV)

48-Cd-111

MAT 4840

(n,n') Continuum  
Cross Section

48-Cd-111  
-93.20 To 17.21 %



20

Incident Energy (eV)

48-Cd-111

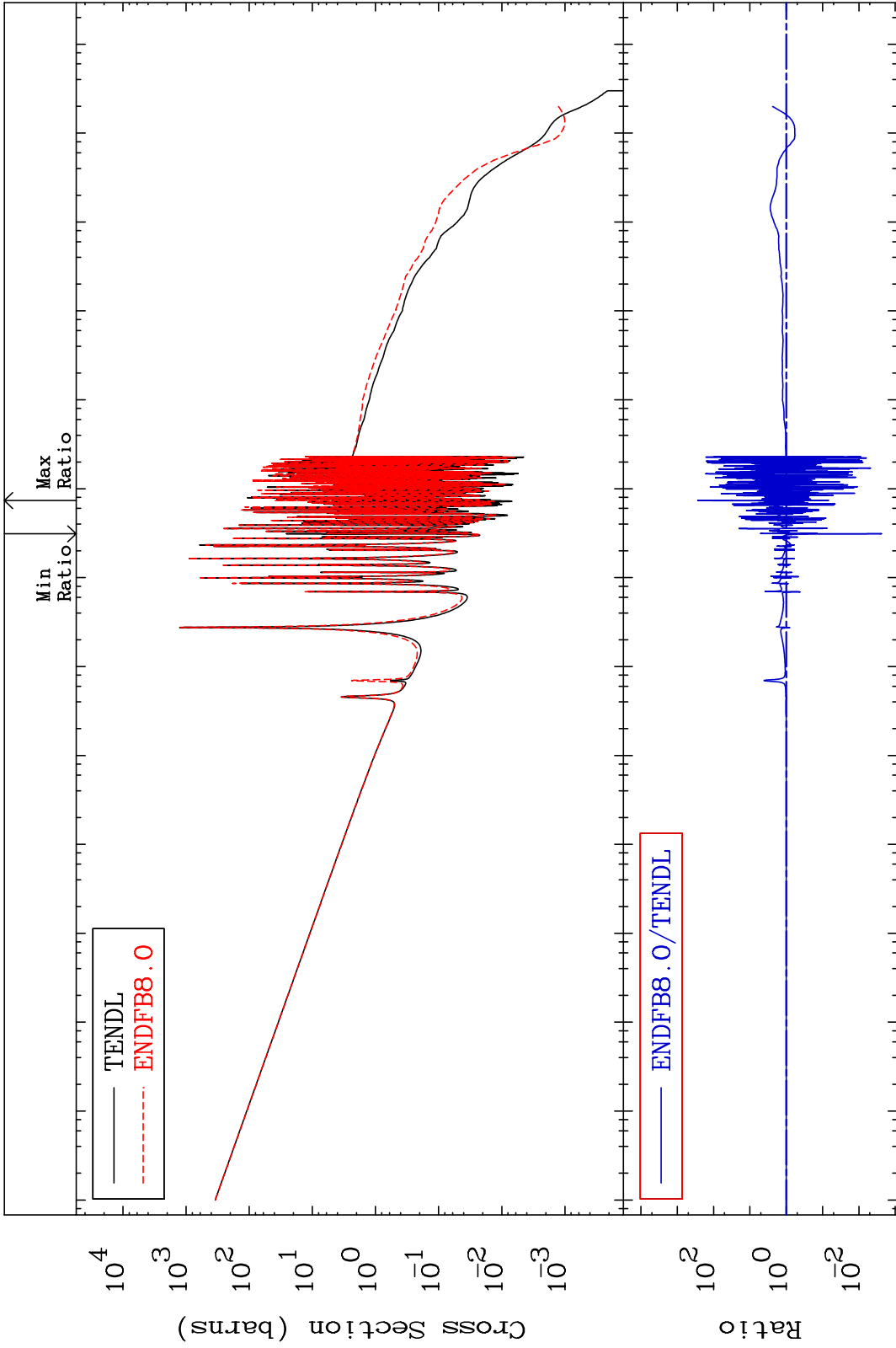
MAT 4840

(n,  $\gamma$ )

48-Cd-111

-99.76 To 9999. %

Cross Section



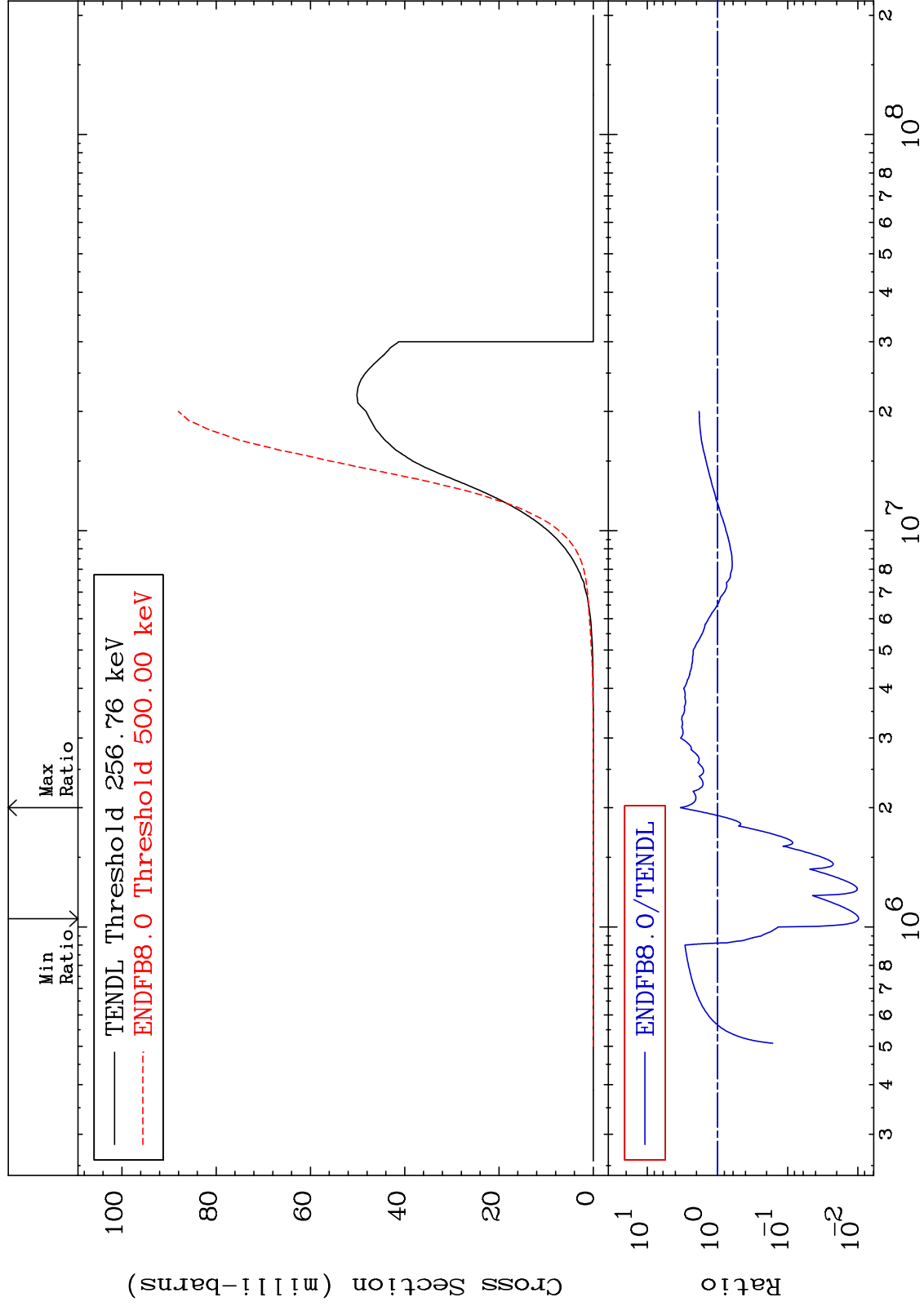
MAT 4840

(n,p)

48-Cd-111

Cross Section

-99.02 To 237.7 %



22

48-Cd-111

48-Cd-111

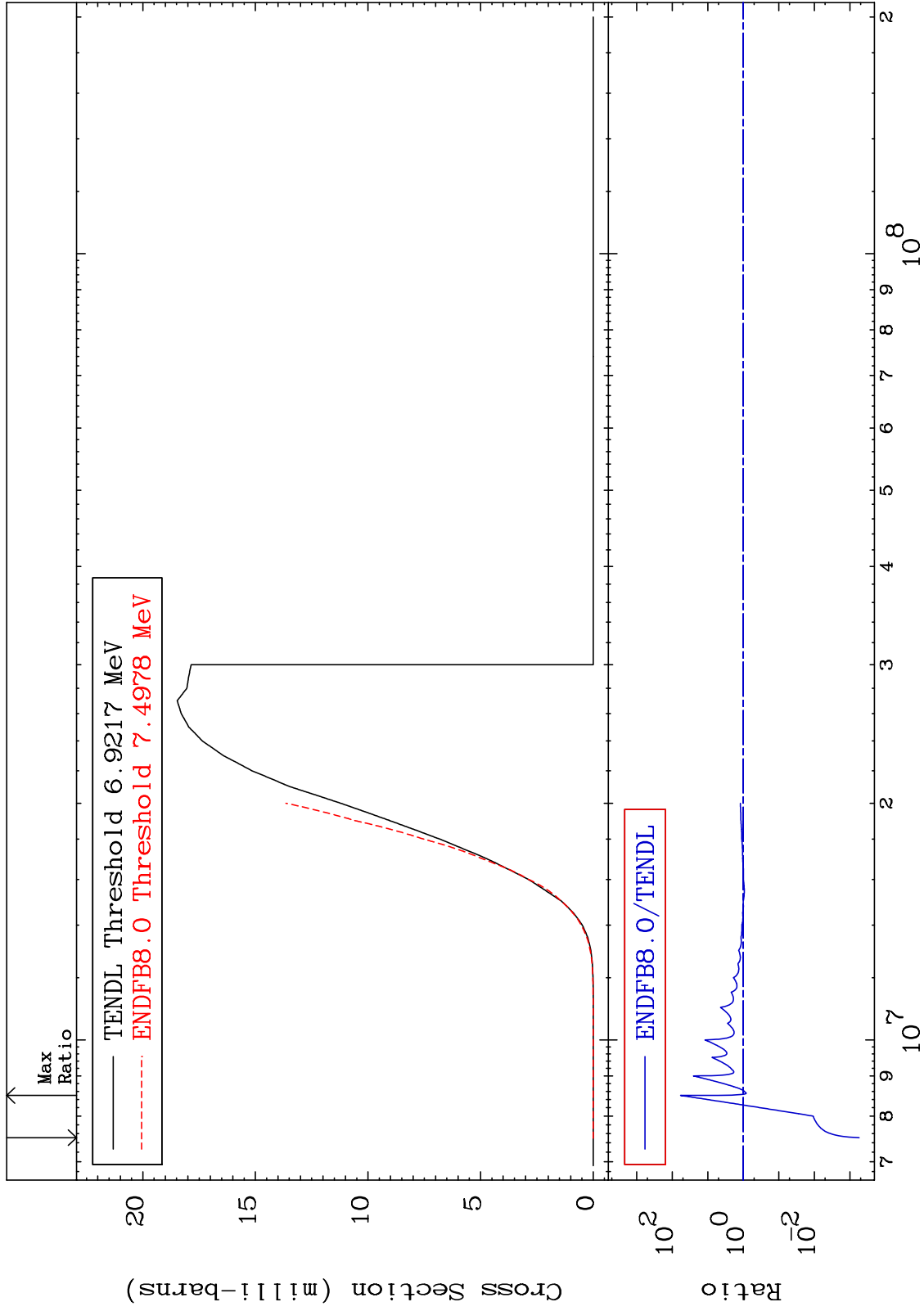
MAT 4840

(n,d)

48-Cd-111

Cross Section

-99.94 To 5696. %





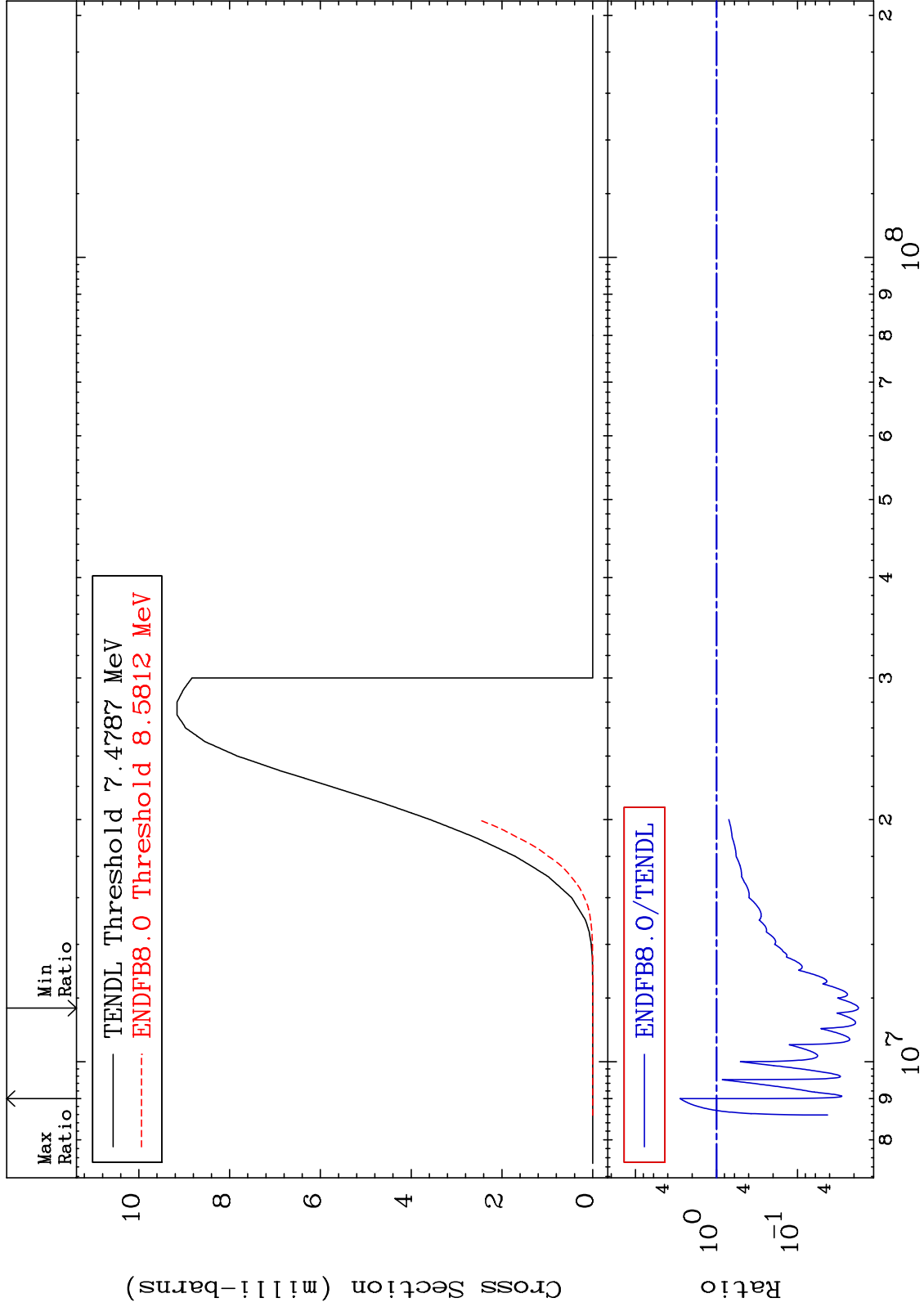
MAT 4840

(n, t)

48-Cd-111

Cross Section

-98.24 To 182.3 %



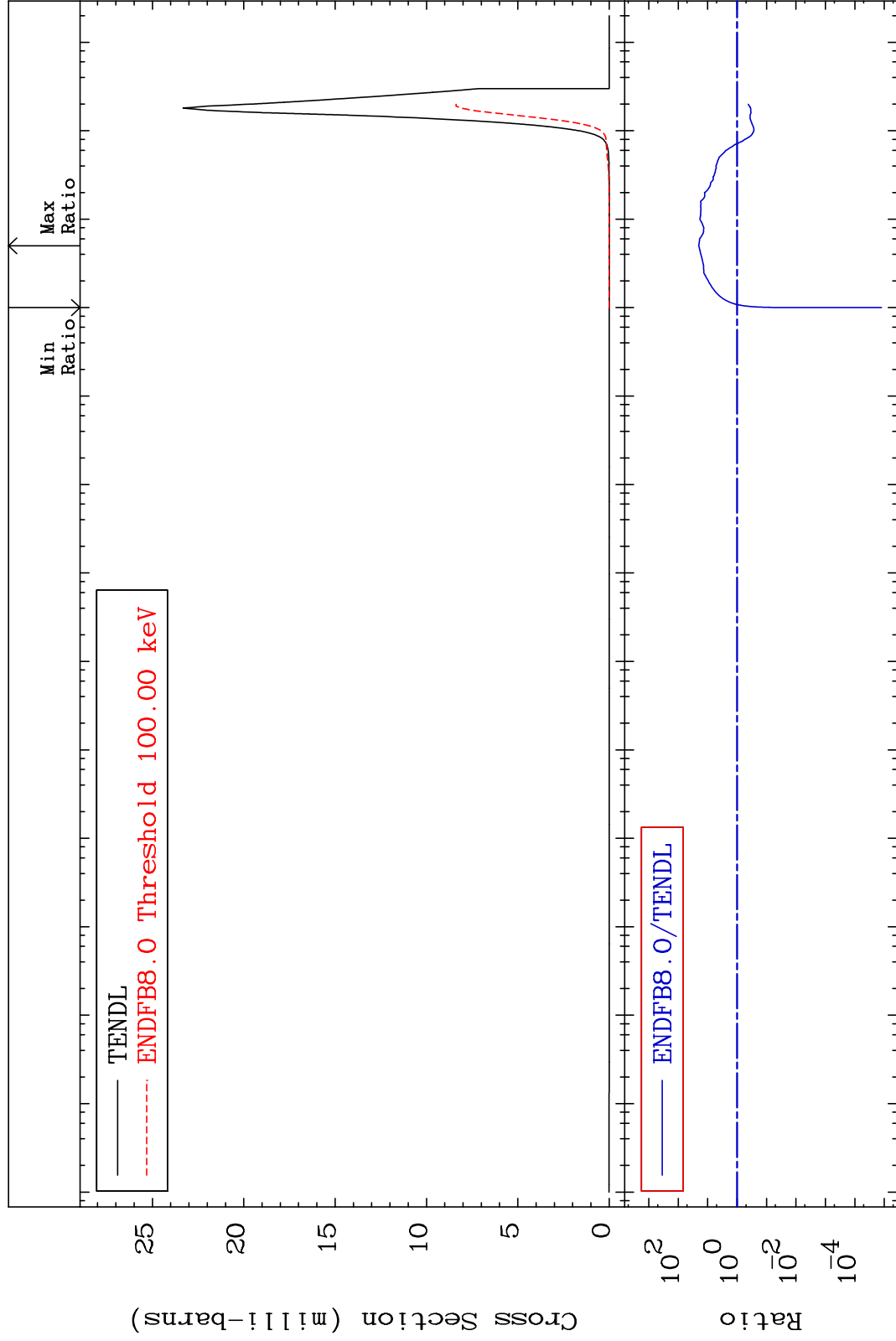
MAT 4840

(n,  $\alpha$ )

48-Cd-111

Cross Section

-100.0 To 1917. %



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>

25

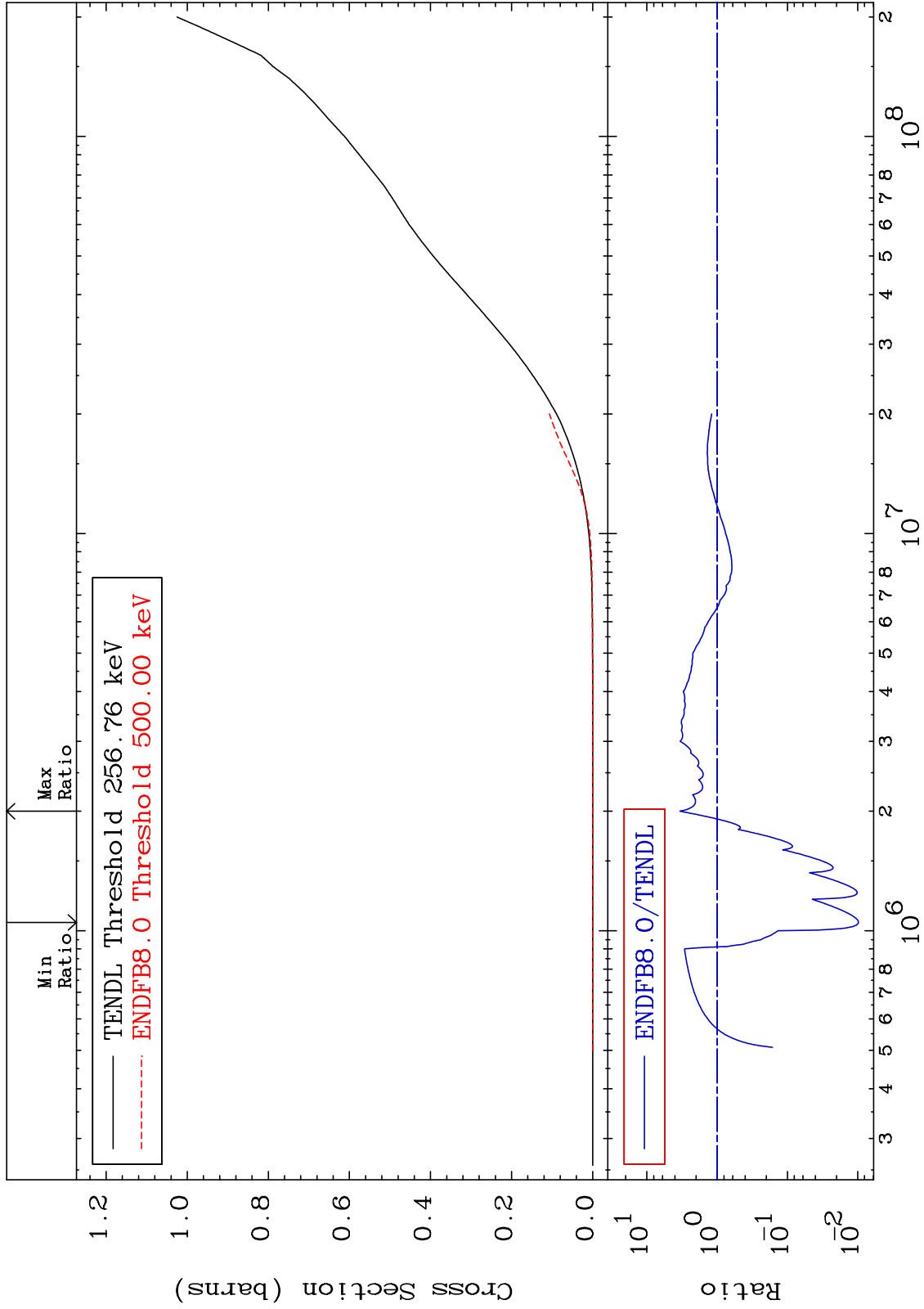
Incident Energy (eV)

48-Cd-111

MAT 4840

Hydrogen Production  
Cross Section

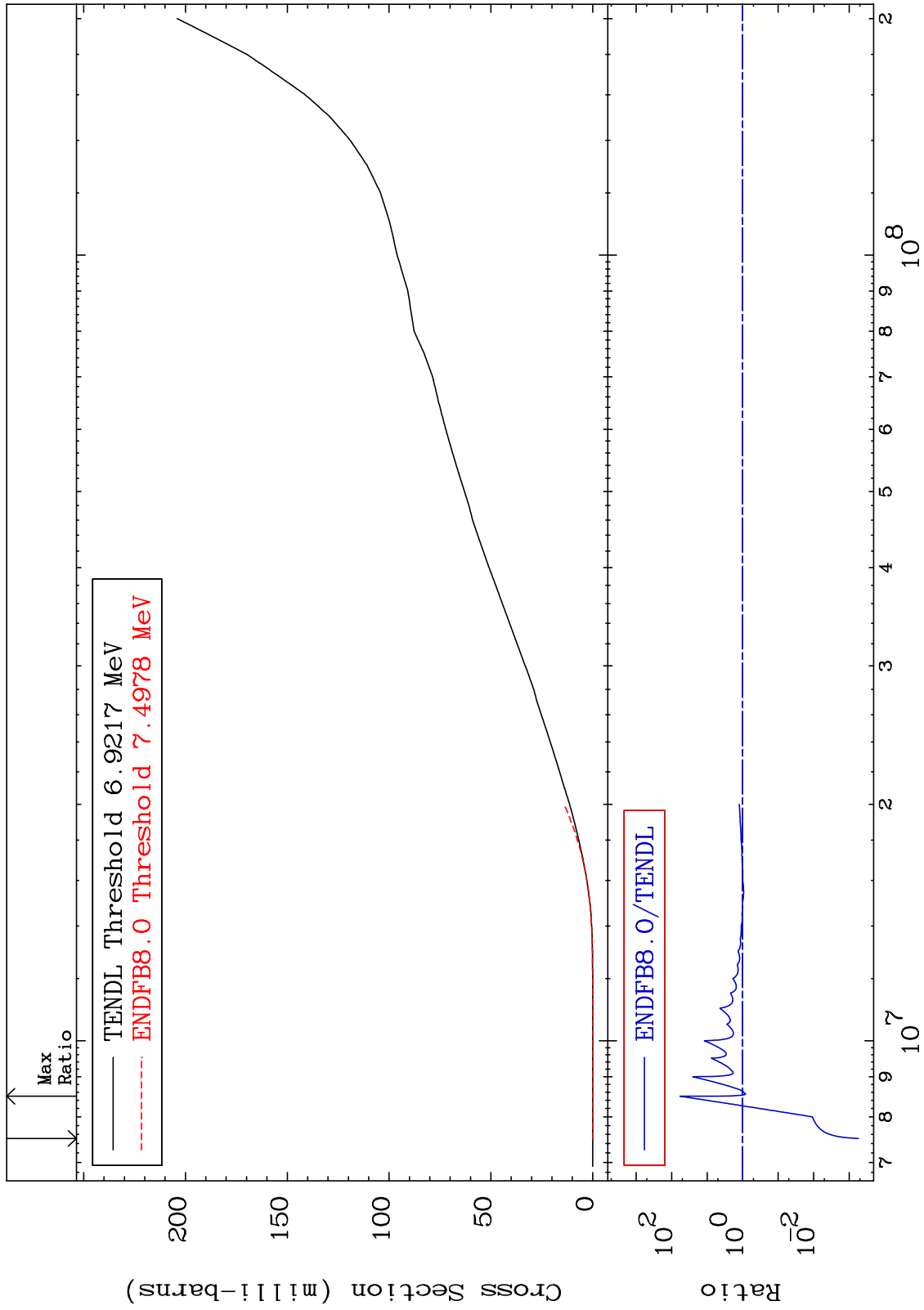
48-Cd-111  
-99.02 To 237.7 %



MAT 4840

Deuterium Production  
Cross Section

48-Cd-111  
-99.94 To 5696. %



27

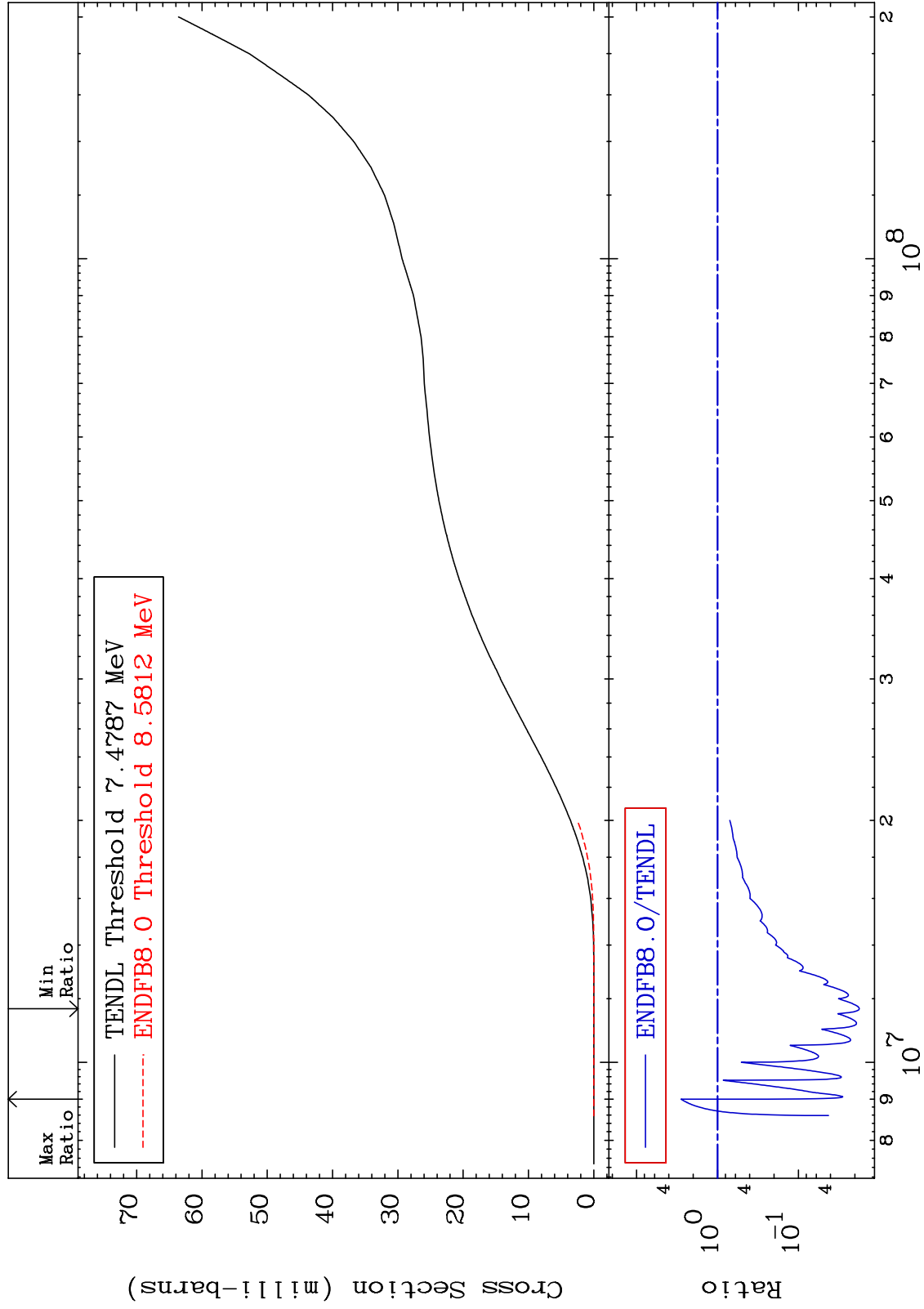
Incident Energy (eV)

48-Cd-111

MAT 4840

Tritium Production  
Cross Section

48-Cd-111  
-98.24 To 182.3 %



28

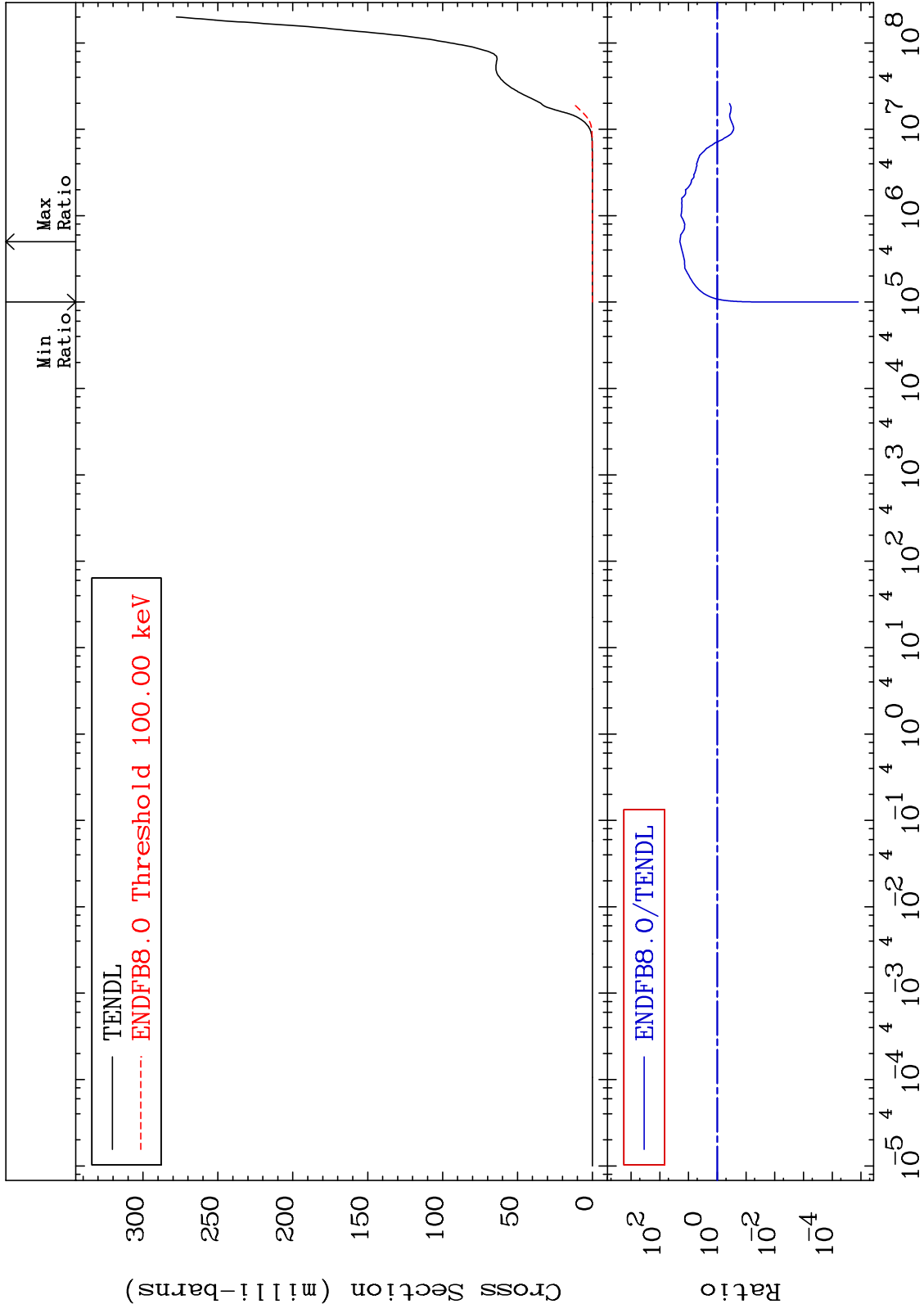
Incident Energy (eV)

48-Cd-111

MAT 4840

He-4 Production  
Cross Section

48-Cd-111  
-100.0 To 1917. %



29

Incident Energy (eV)

48-Cd-111

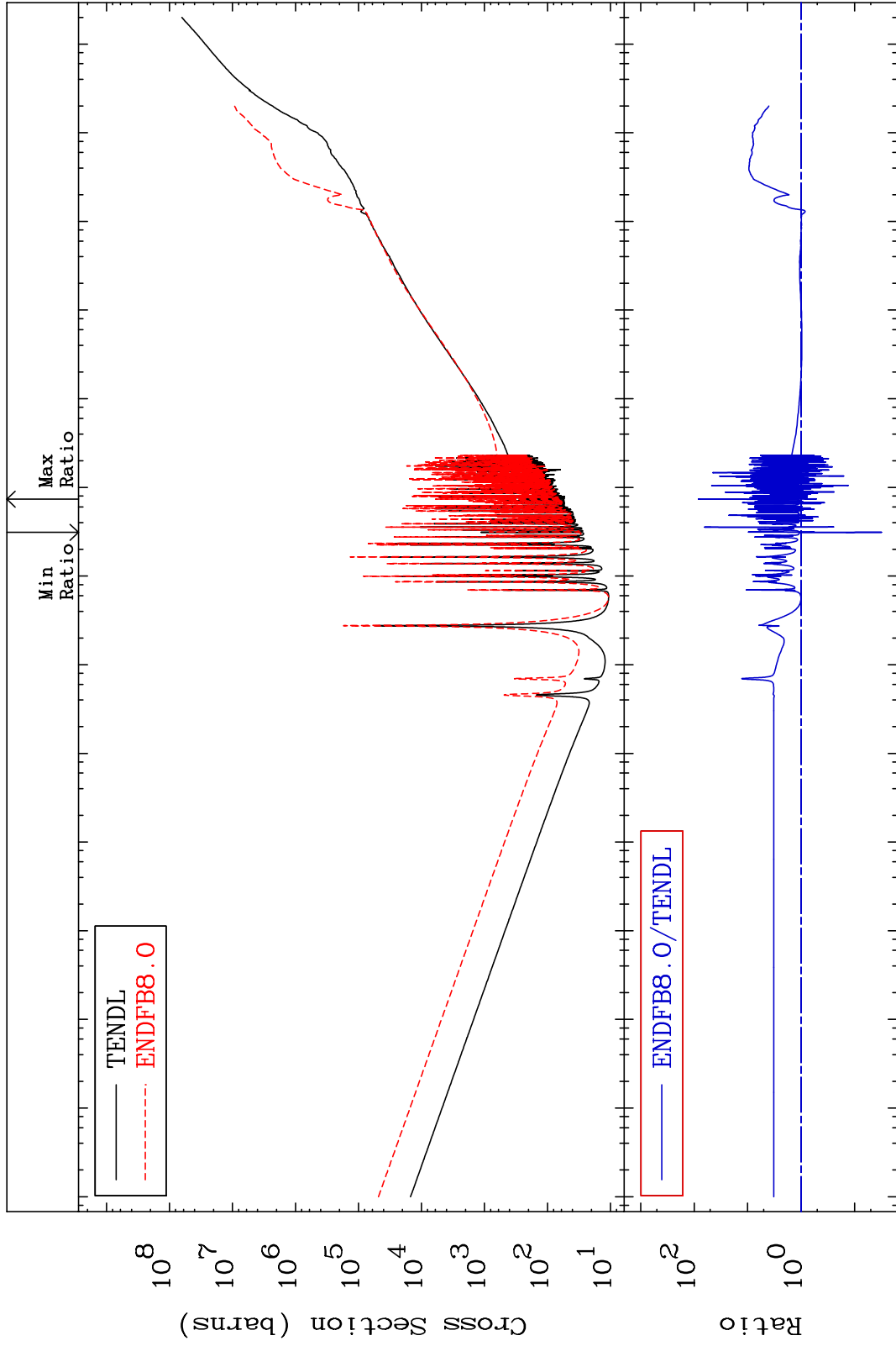
MAT 4840

Kerma total (eV-barns)

48-Cd-111

-96.87 To 8250. %

Cross Section



Ratio

Incident Energy (eV)

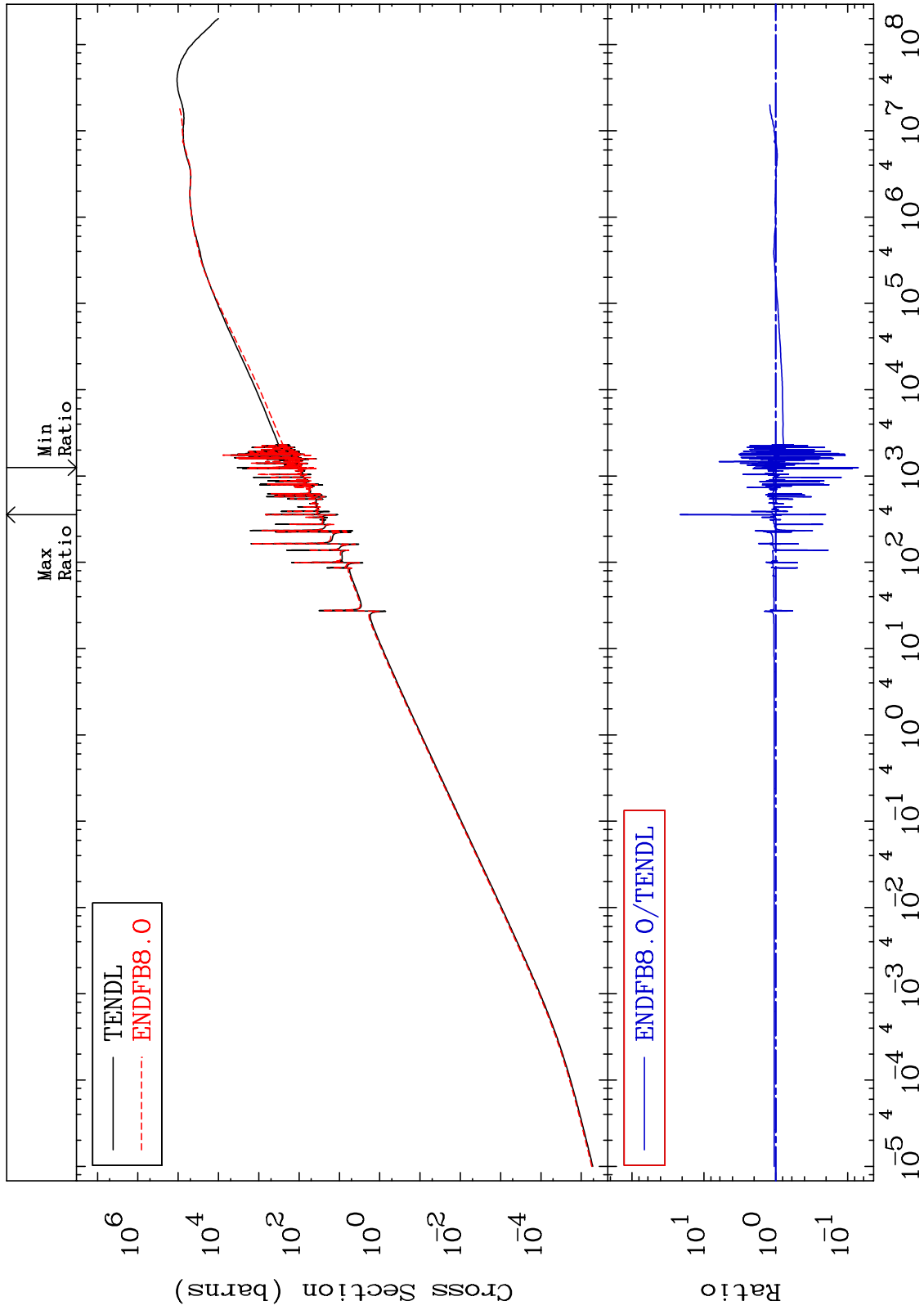
30

48-Cd-111

MAT 4840

Kerma elastic  
Cross Section

48-Cd-111  
-92.90 To 2045. %

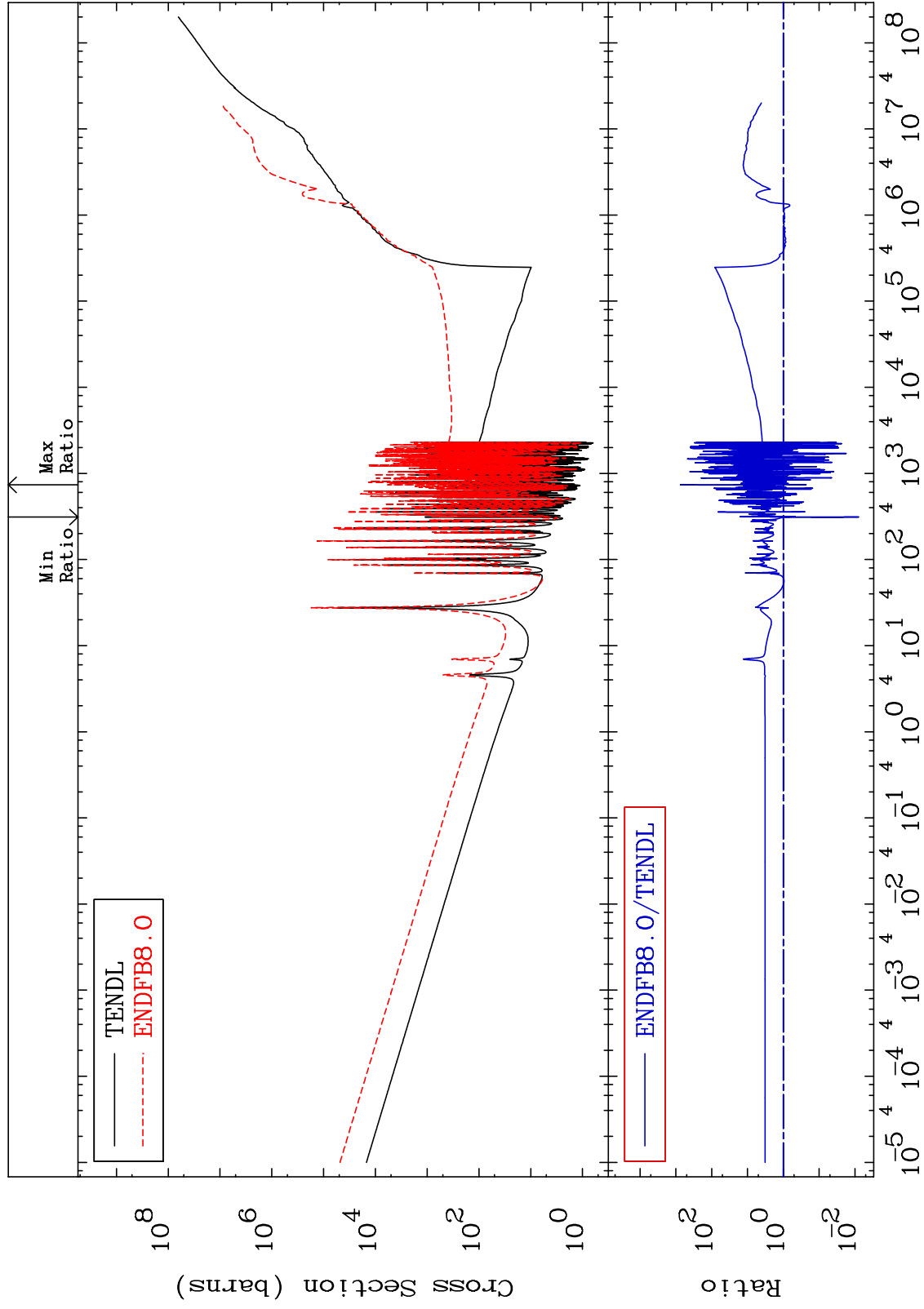




MAT 4840

Kerma non-elastic (all but mt2)  
Cross Section

48-Cd-111  
-99.21 To 9999. %



32

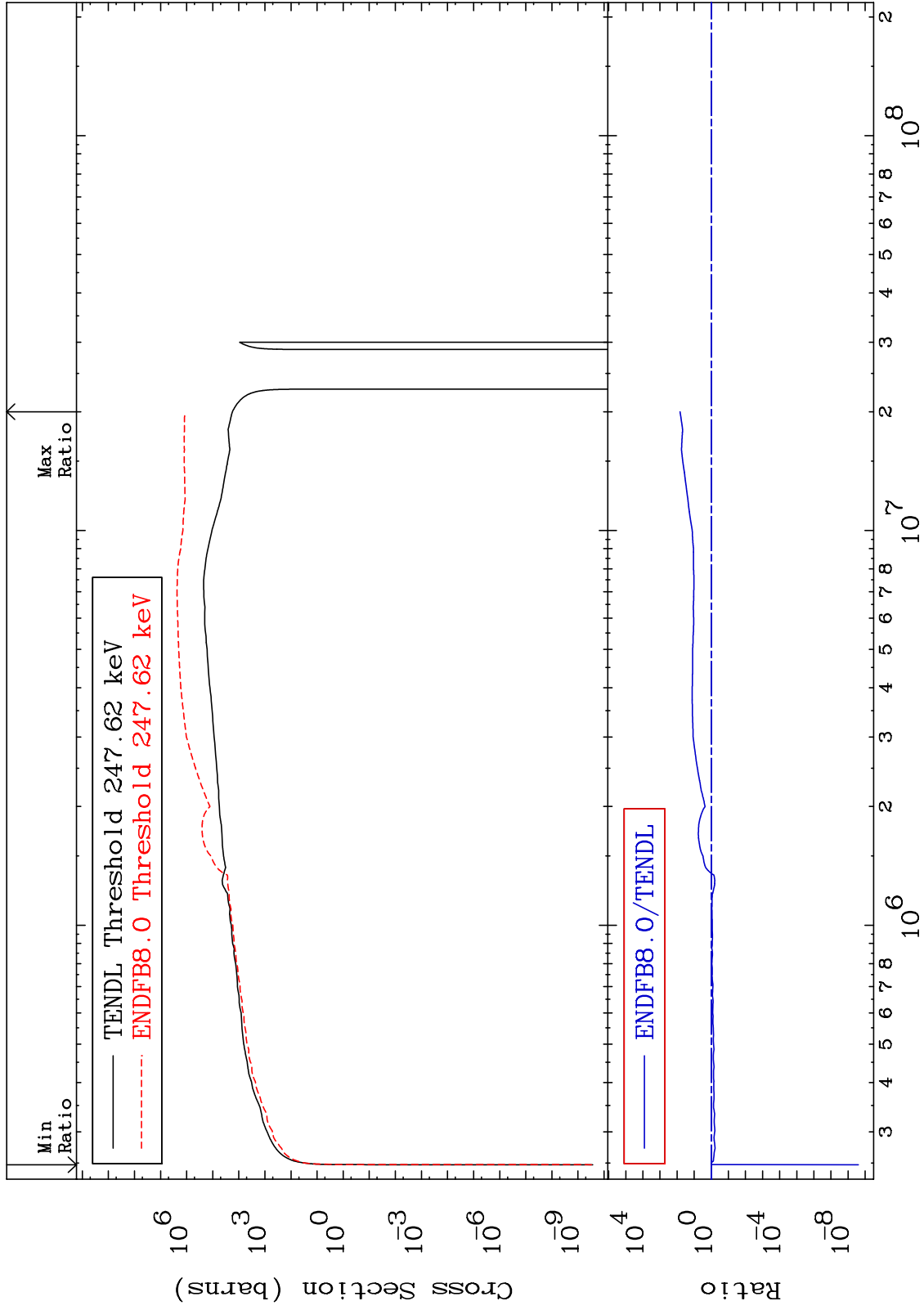
Incident Energy (eV)

48-Cd-111

MAT 4840

Kerma inelastic (mt51-91)  
Cross Section

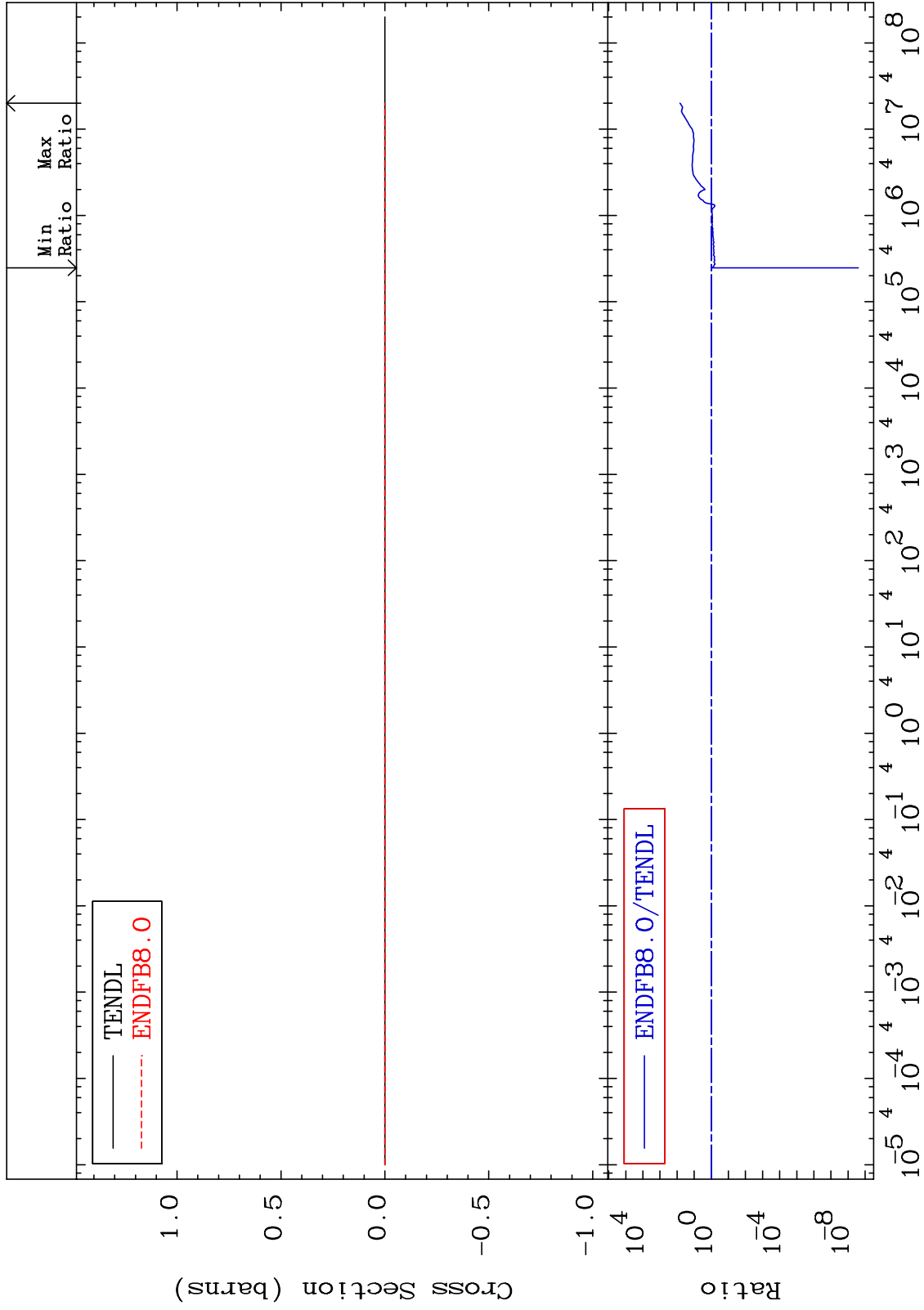
48-Cd-111  
-100.0 To 6634. %



MAT 4840

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

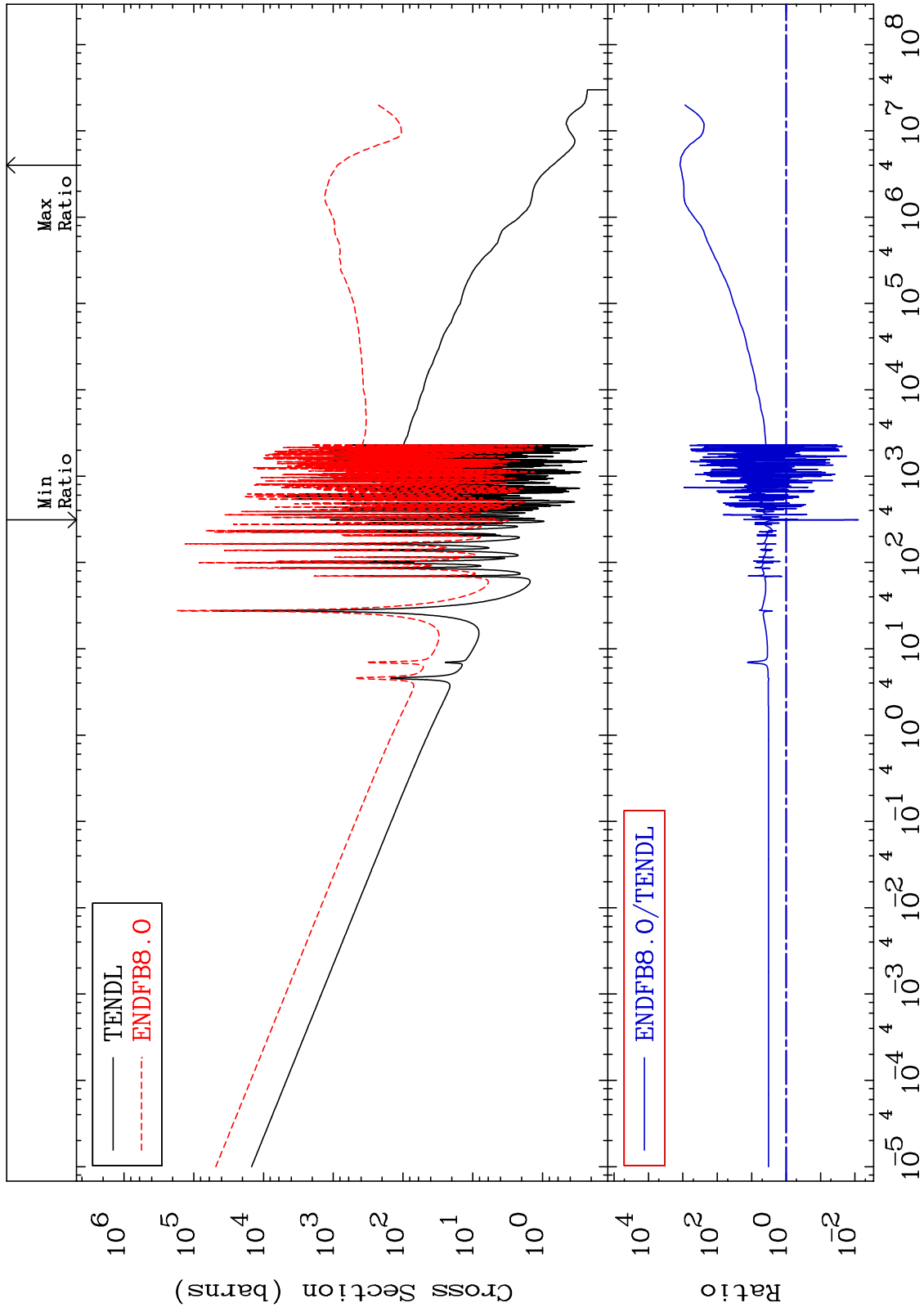
48-Cd-111  
-100.0 To 6634. %



MAT 4840

Kerma capture (mt102)  
Cross Section

48-Cd-111  
-99.21 To 9999. %

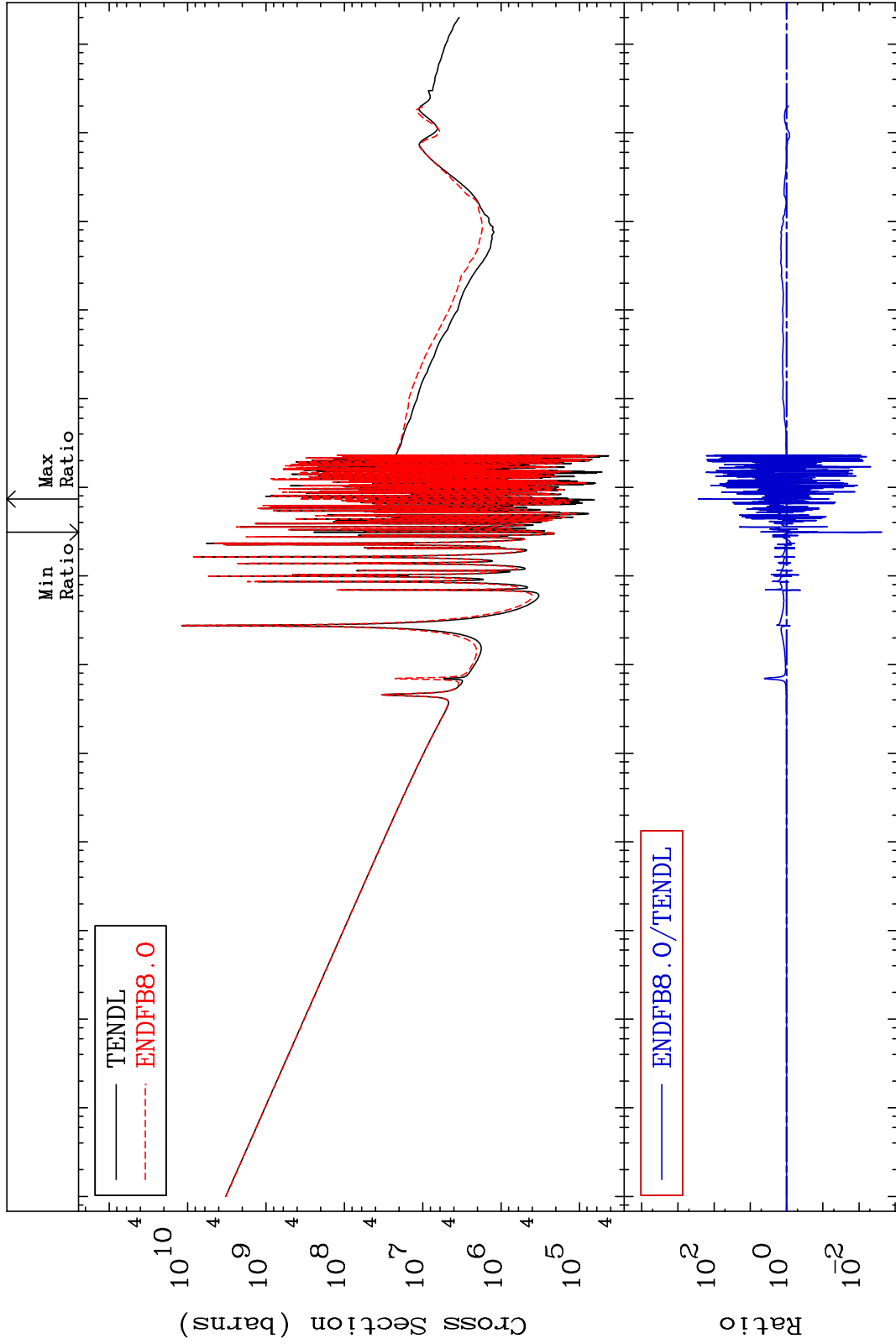


MAT 4840

Total photon (eV-barns)  
Cross Section

48-Cd-111

-99.76 To 9999. %



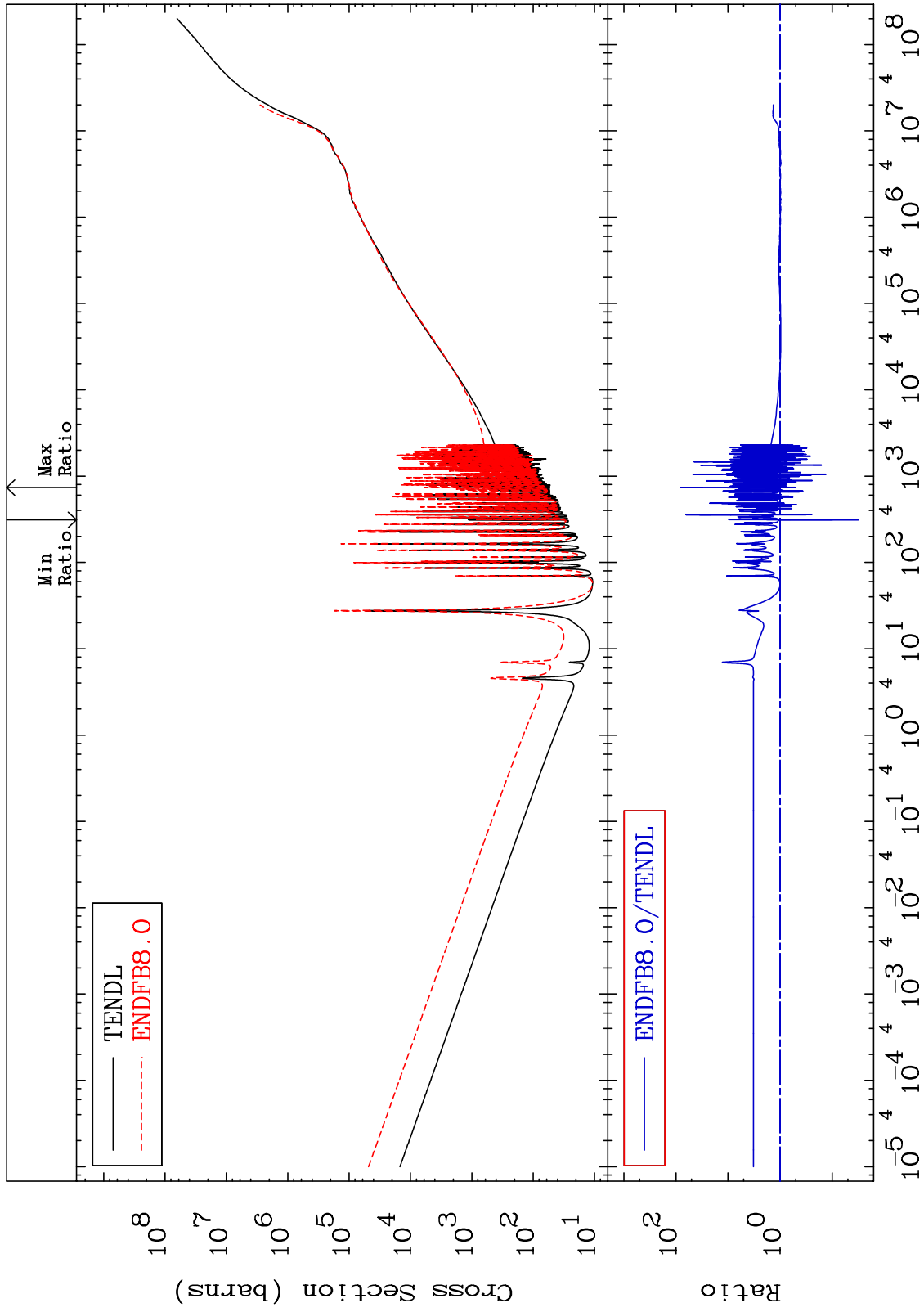
Incident Energy (eV)

48-Cd-111

MAT 4840

Total kinematic kerma (high limit)  
Cross Section

48-Cd-111  
-96.87 To 8249. %



37

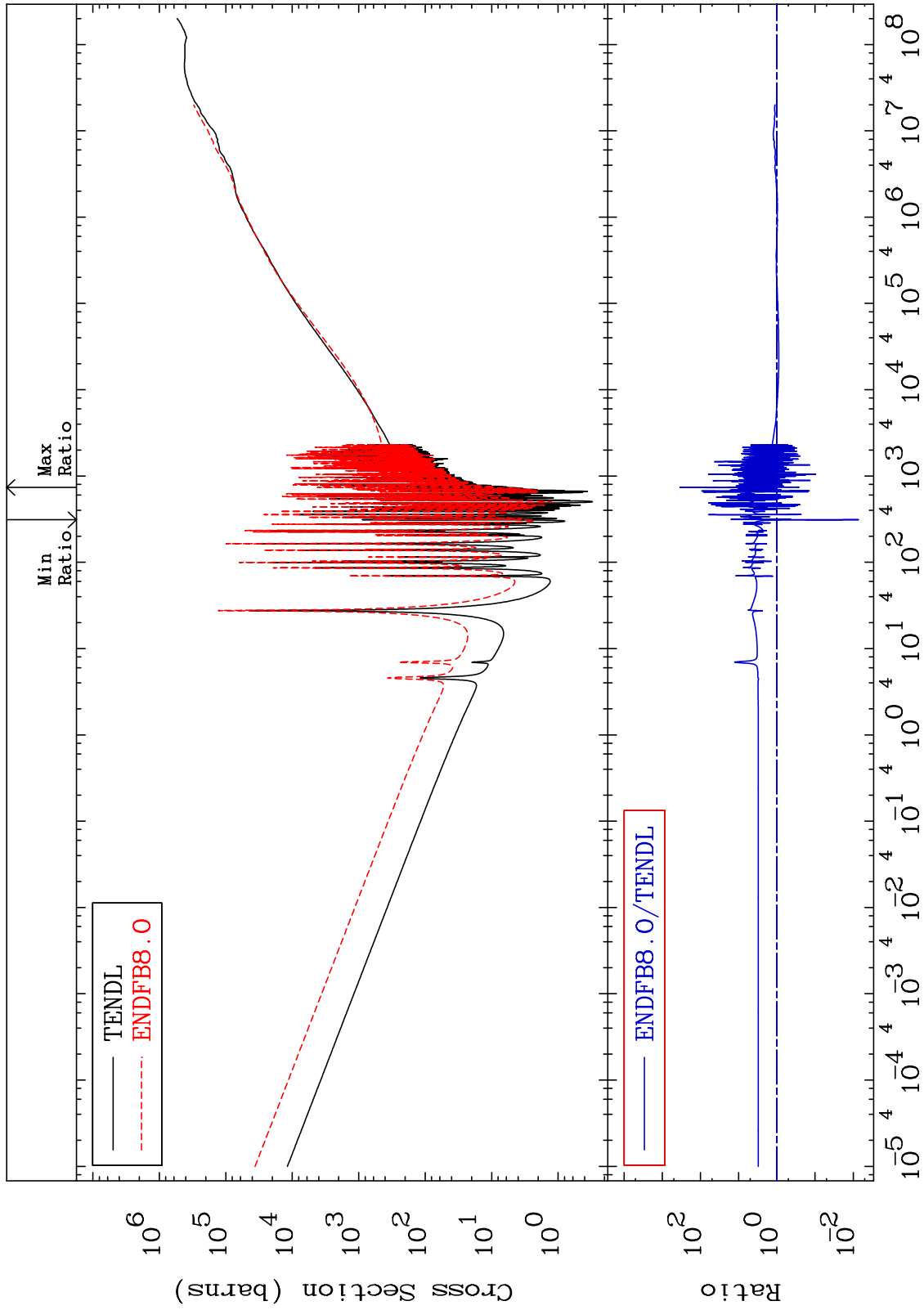
Incident Energy (eV)

48-Cd-111

MAT 4840

Dpa total (eV-barns)  
Cross Section

48-Cd-111  
-99.27 To 9999. %



38

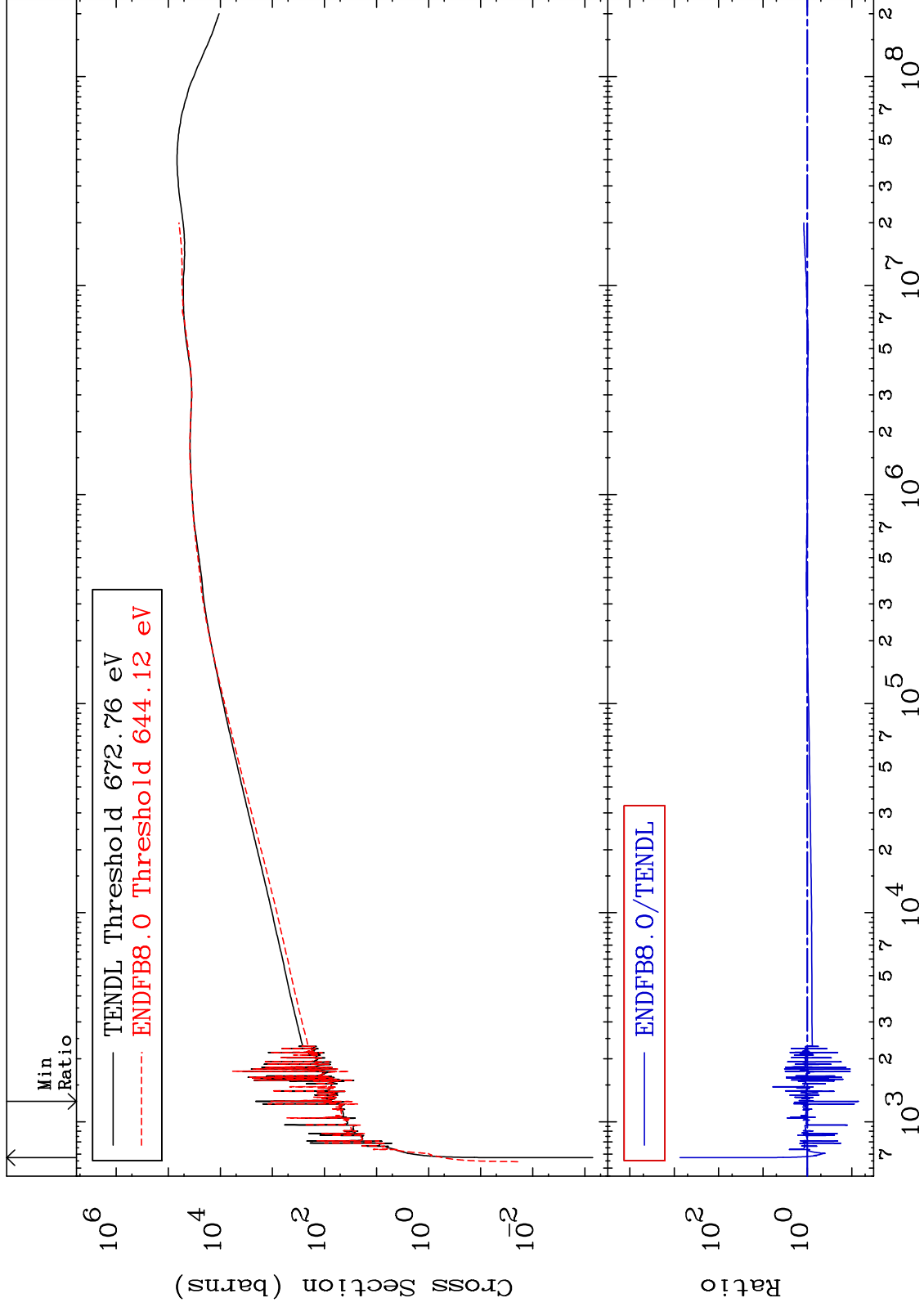
Incident Energy (eV)

48-Cd-111

MAT 4840

Dpa elastic (mt2)  
Cross Section

48-Cd-111  
-92.90 To 9999. %

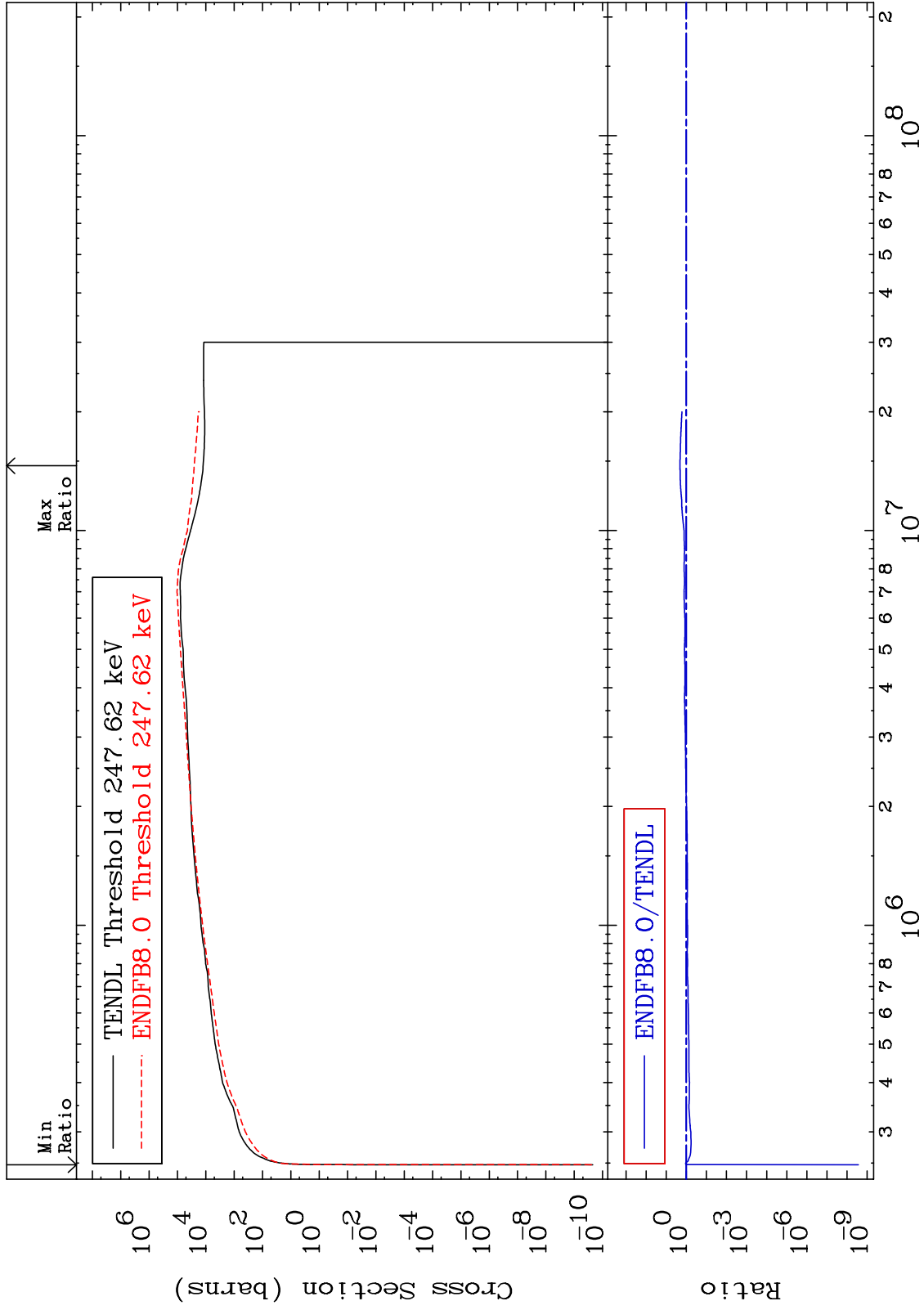




MAT 4840

Dpa inelastic (mt51-91)  
Cross Section

48-Cd-111  
-100.0 To 106.4 %



40

Incident Energy (eV)

48-Cd-111

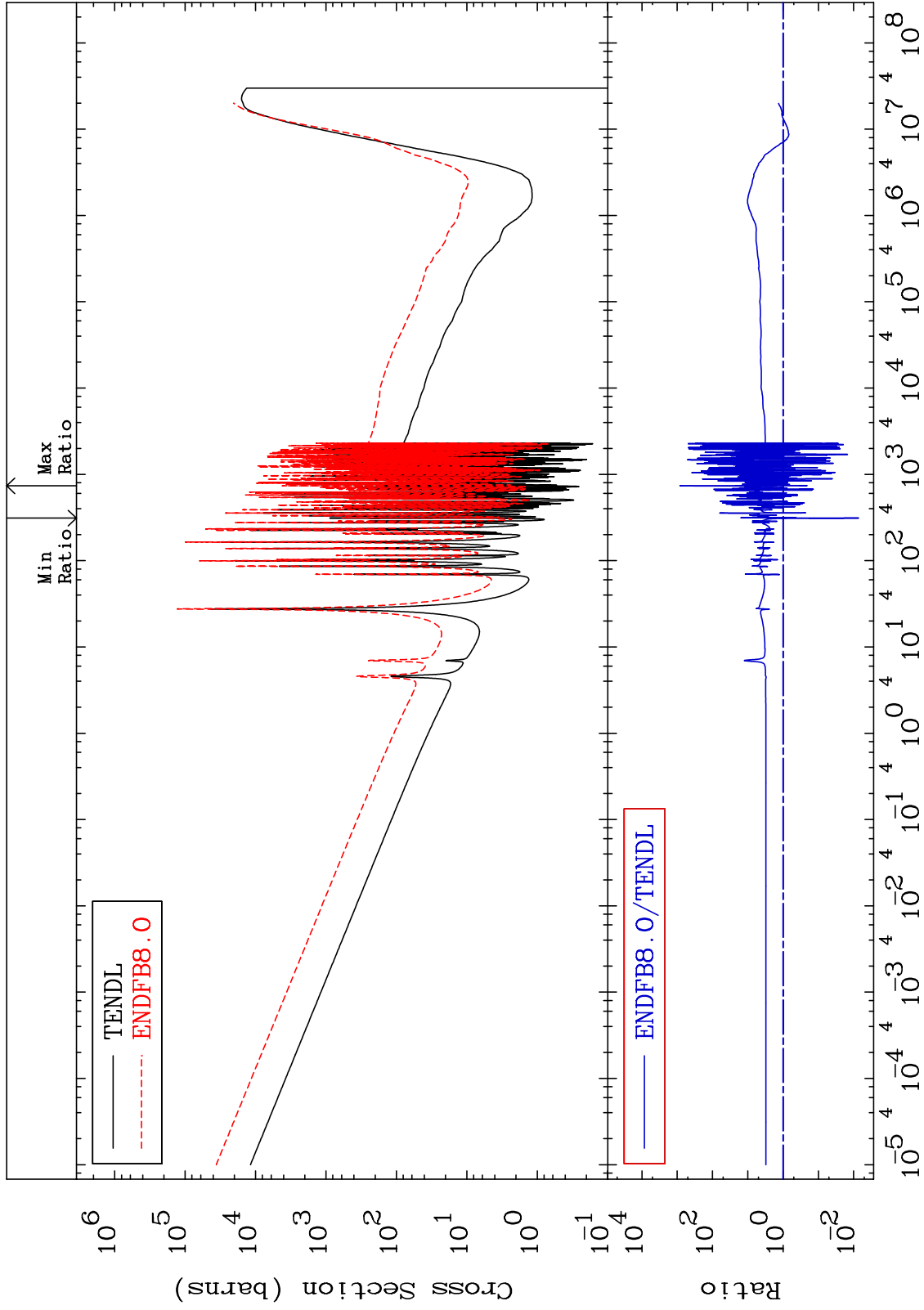
MAT 4840

Dpa disappearance (mt102 -120)

48-Cd-111

-99.27 To 9999. %

Cross Section



41

Incident Energy (eV)

48-Cd-111