

Program Complot  
(Version 2021-1)

by

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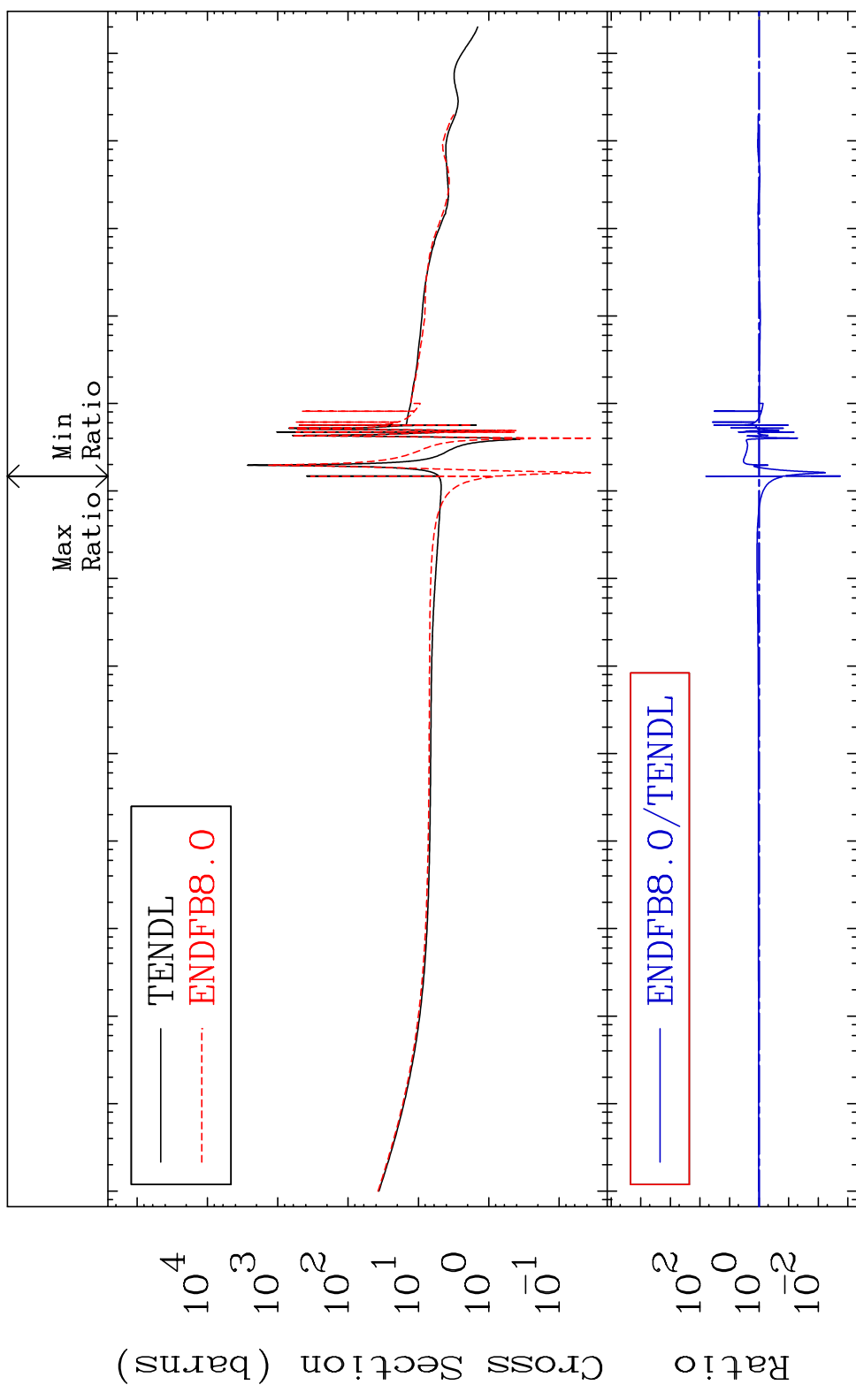
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3443

Total Cross Section -99.82 To 6250. %  
34-Se-80



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>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

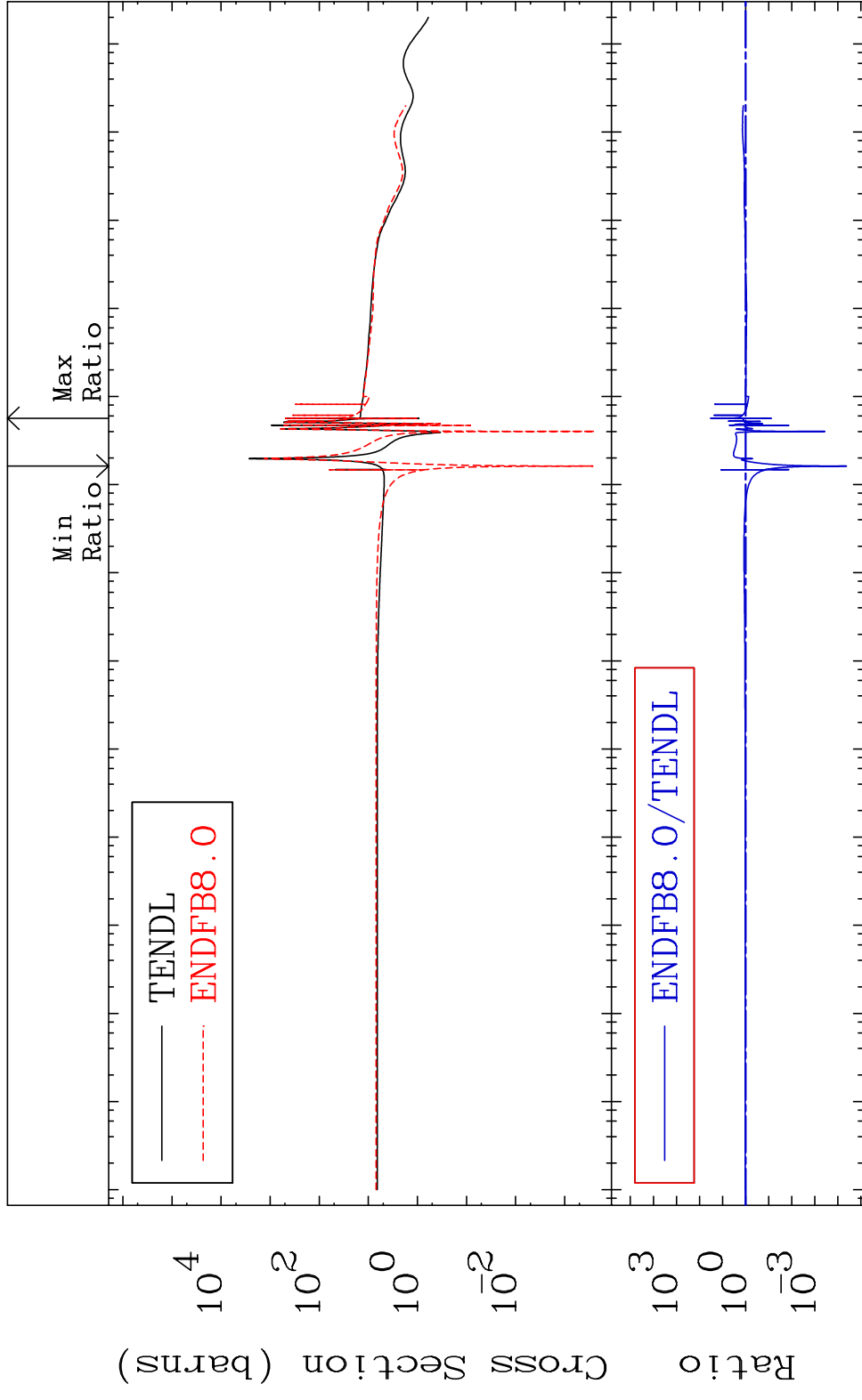
Incident Energy (eV) 34-Se-80

MAT 3443

Elastic

34-Se-80

Cross Section -100.0 To 3168. %



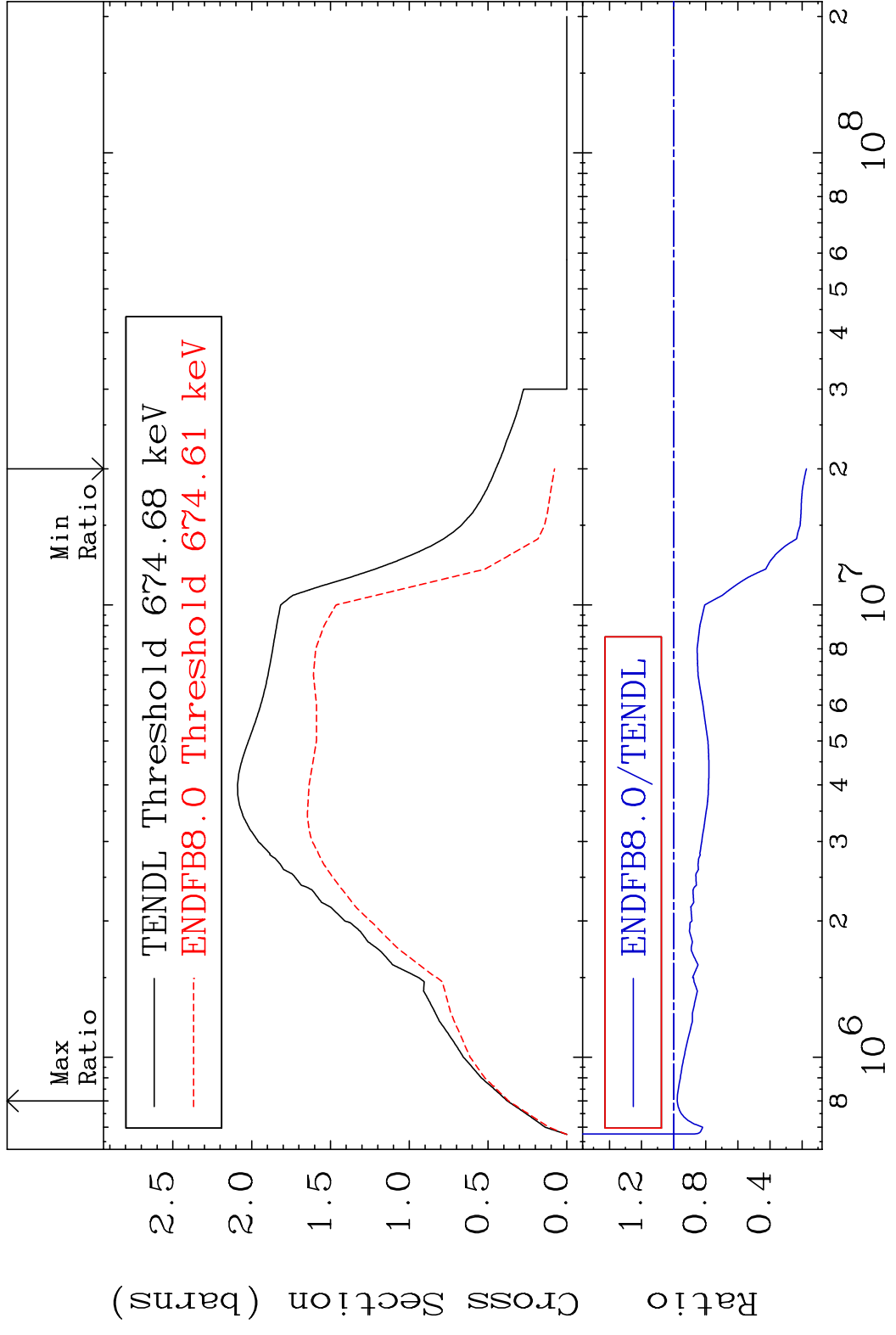
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

2

Incident Energy (eV)

34-Se-80

MAT 3443 Inelastic 34-Se-80  
 Cross Section -82.72 To -2.202%



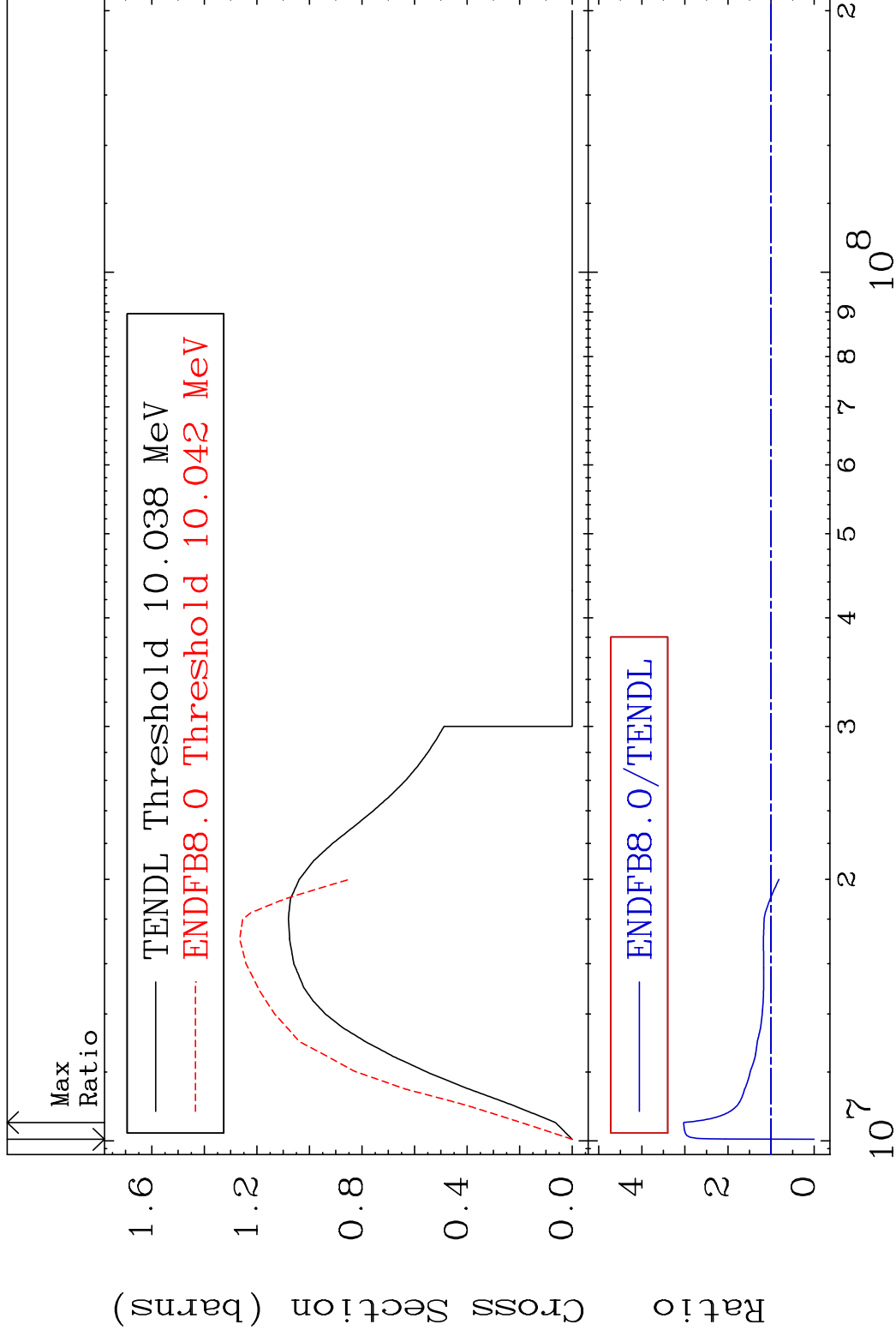
3 34-Se-80

MAT 3443

(n,2n)

<sup>34</sup>Se-80

Cross Section -100.0 To 202.9 %



4

Incident Energy (eV)

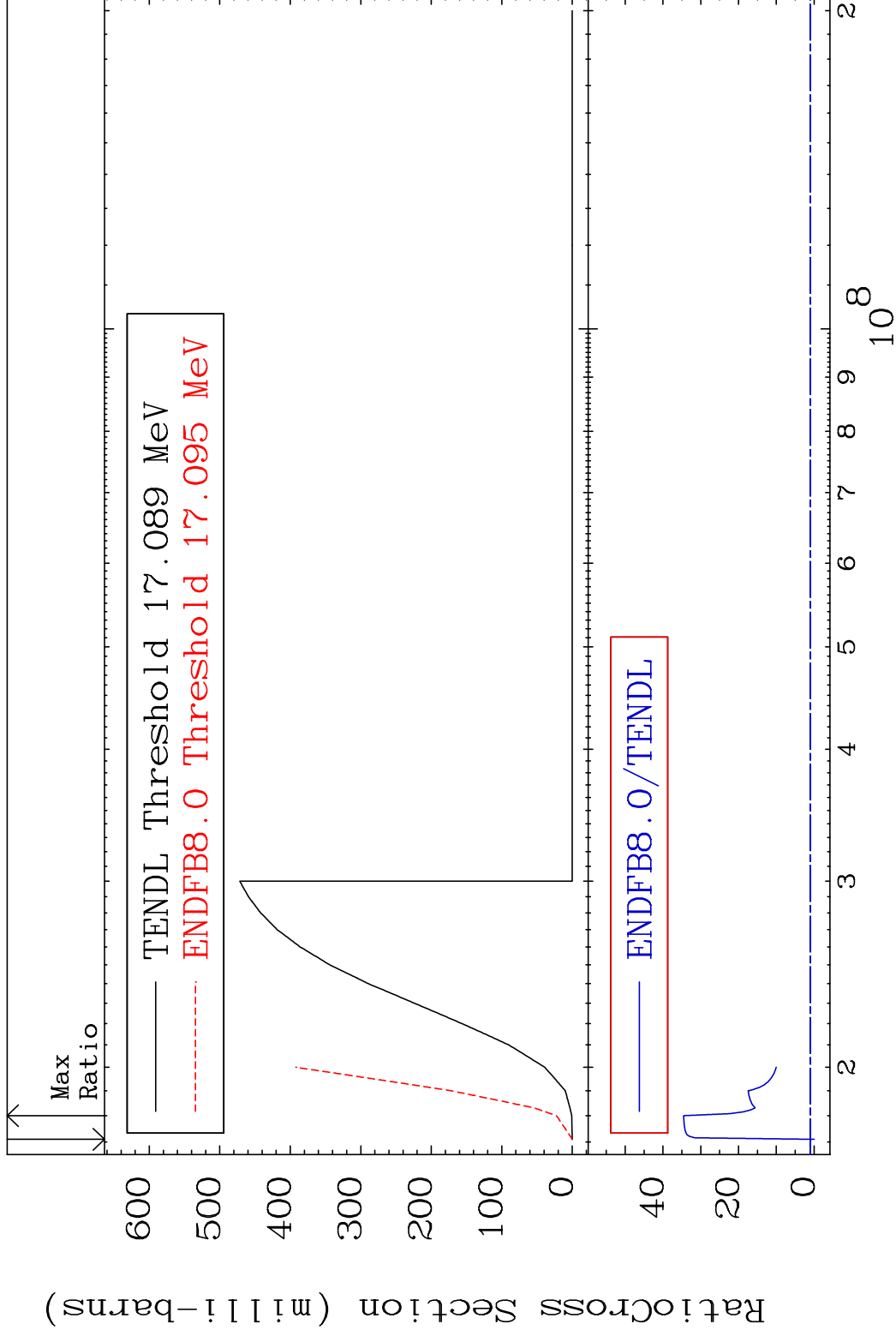
<sup>34</sup>Se-80

MAT 3443

(n,3n)

34-Se-80

Cross Section -100.0 To 3353. %



5

Incident Energy (eV)

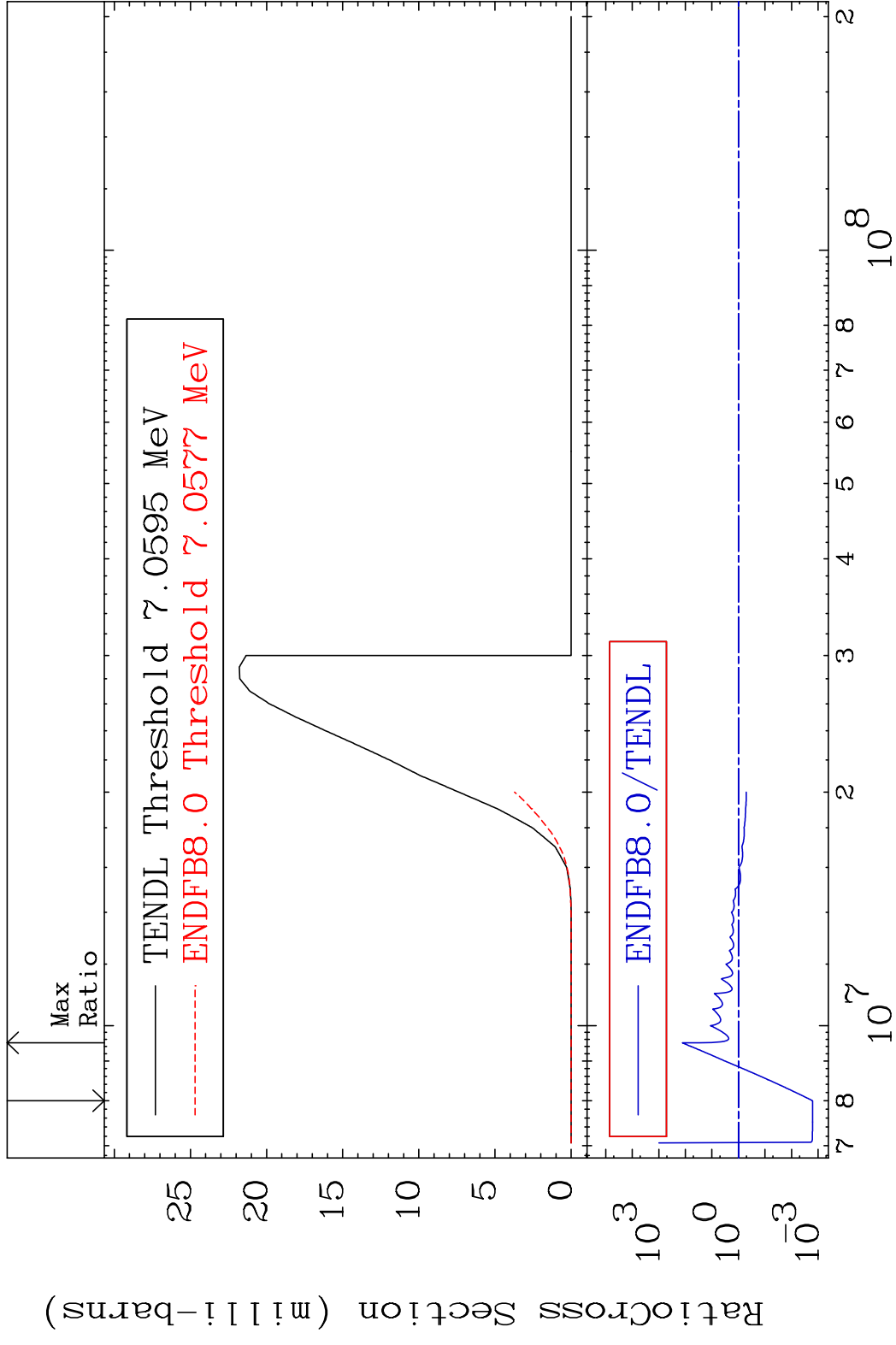
34-Se-80

MAT 3443

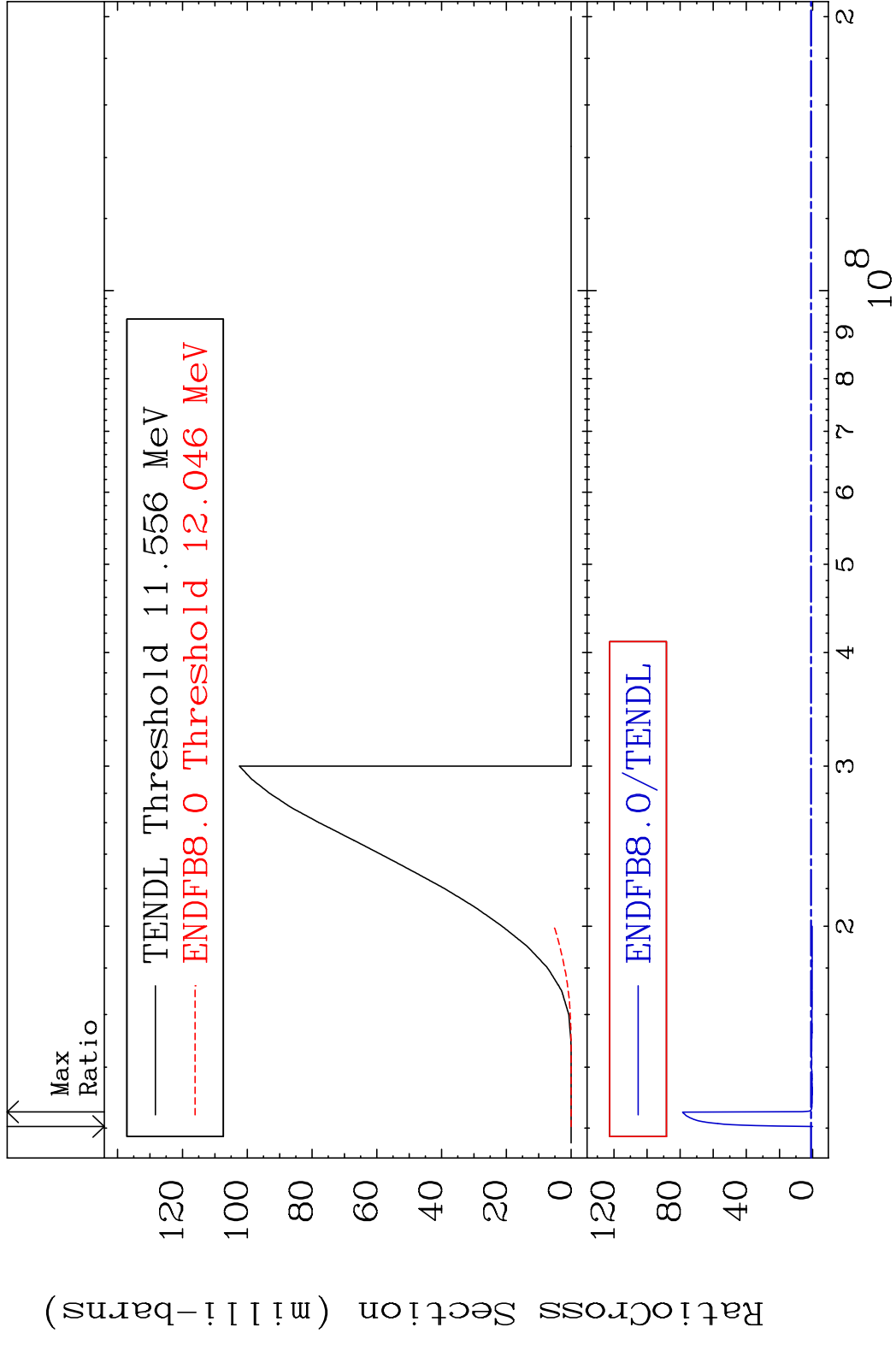
(n, n')  $\alpha$

34-Se-80

Cross Section -99.84 To 9999. %

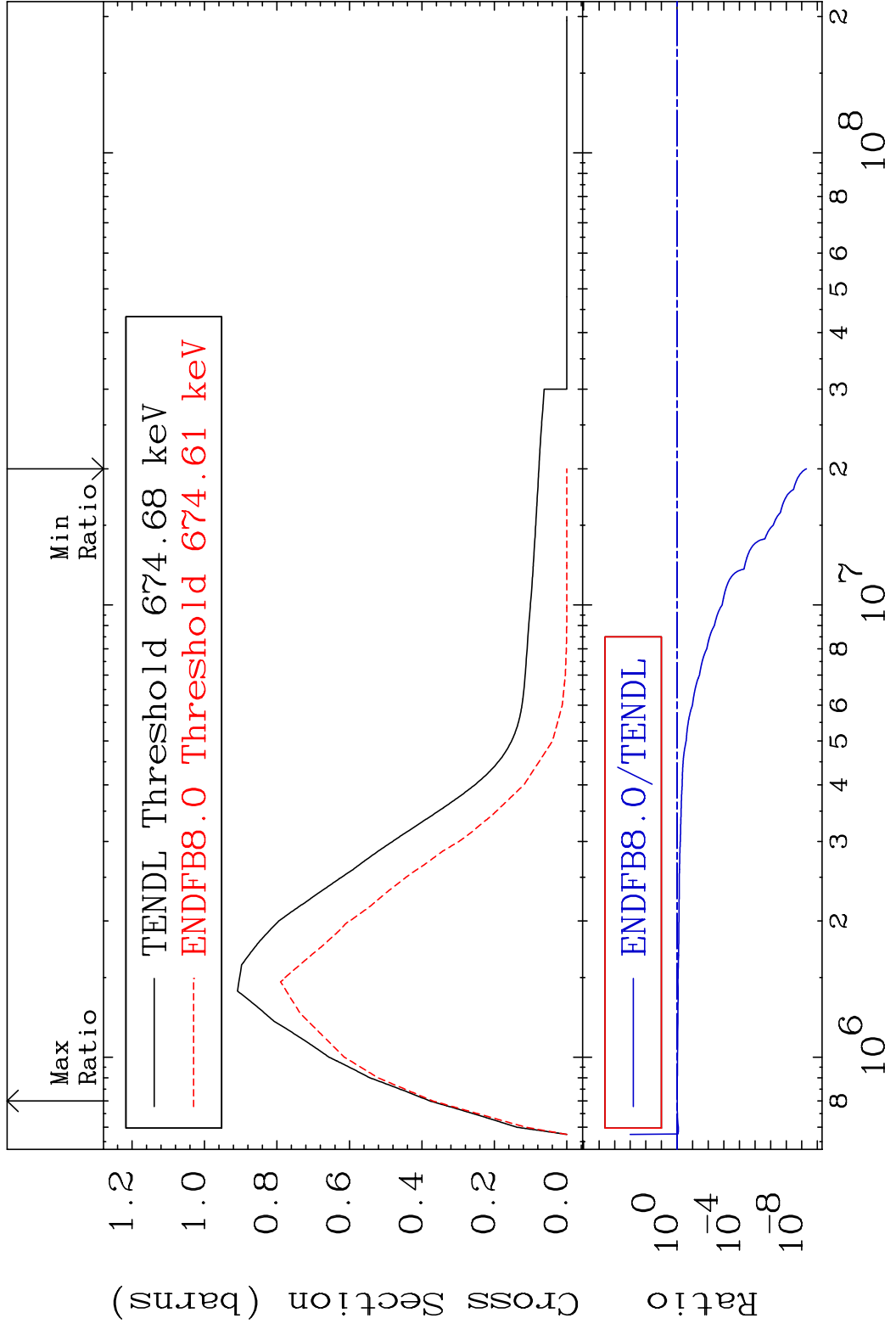


MAT 3443 (n, n') p 34-Se-80  
 Cross Section -100.0 To 7766. %



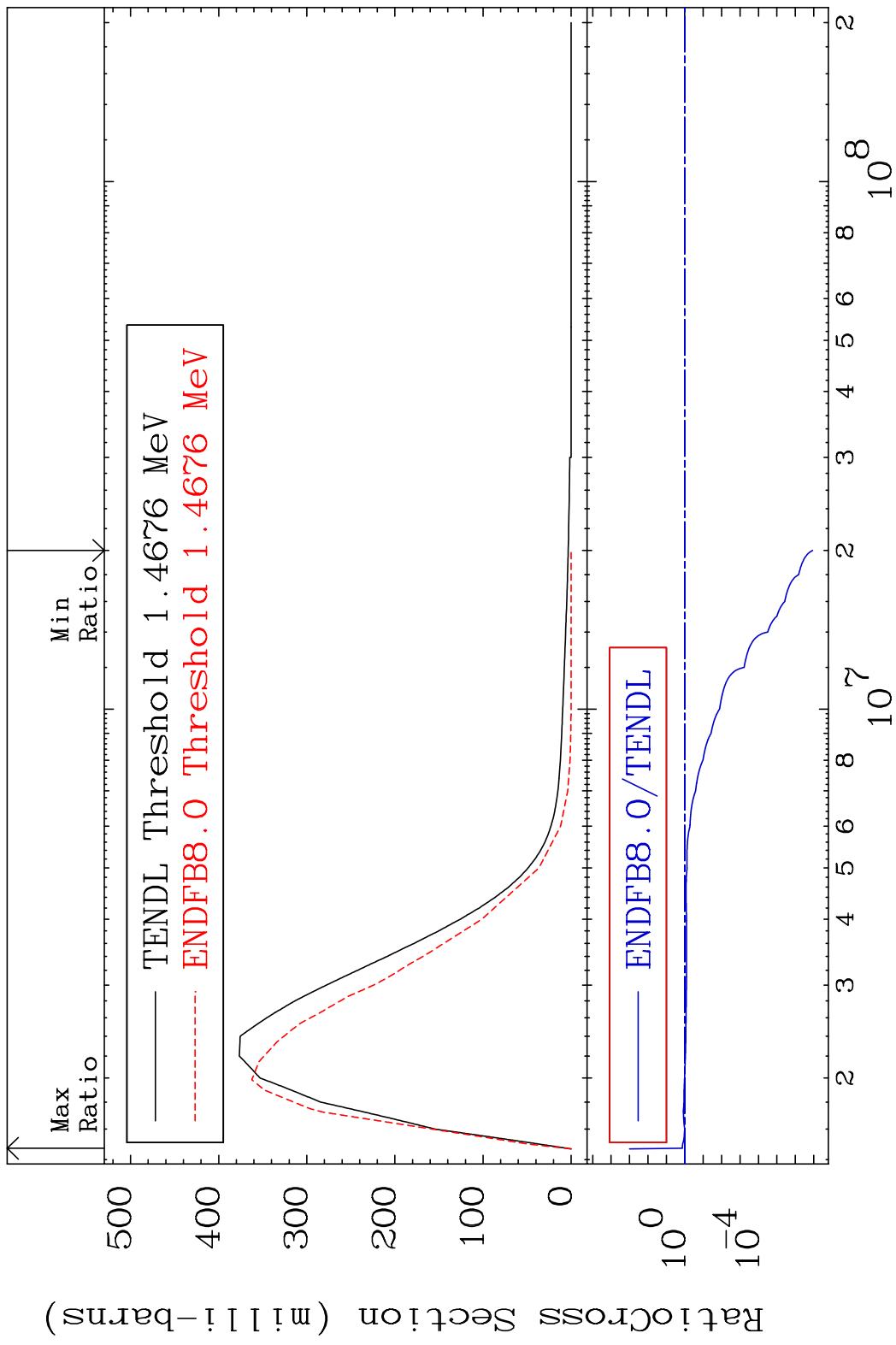


MAT 3443 MT= 51 (n, n') Level 34-Se-80  
 Cross Section -100.0 To -2.202%



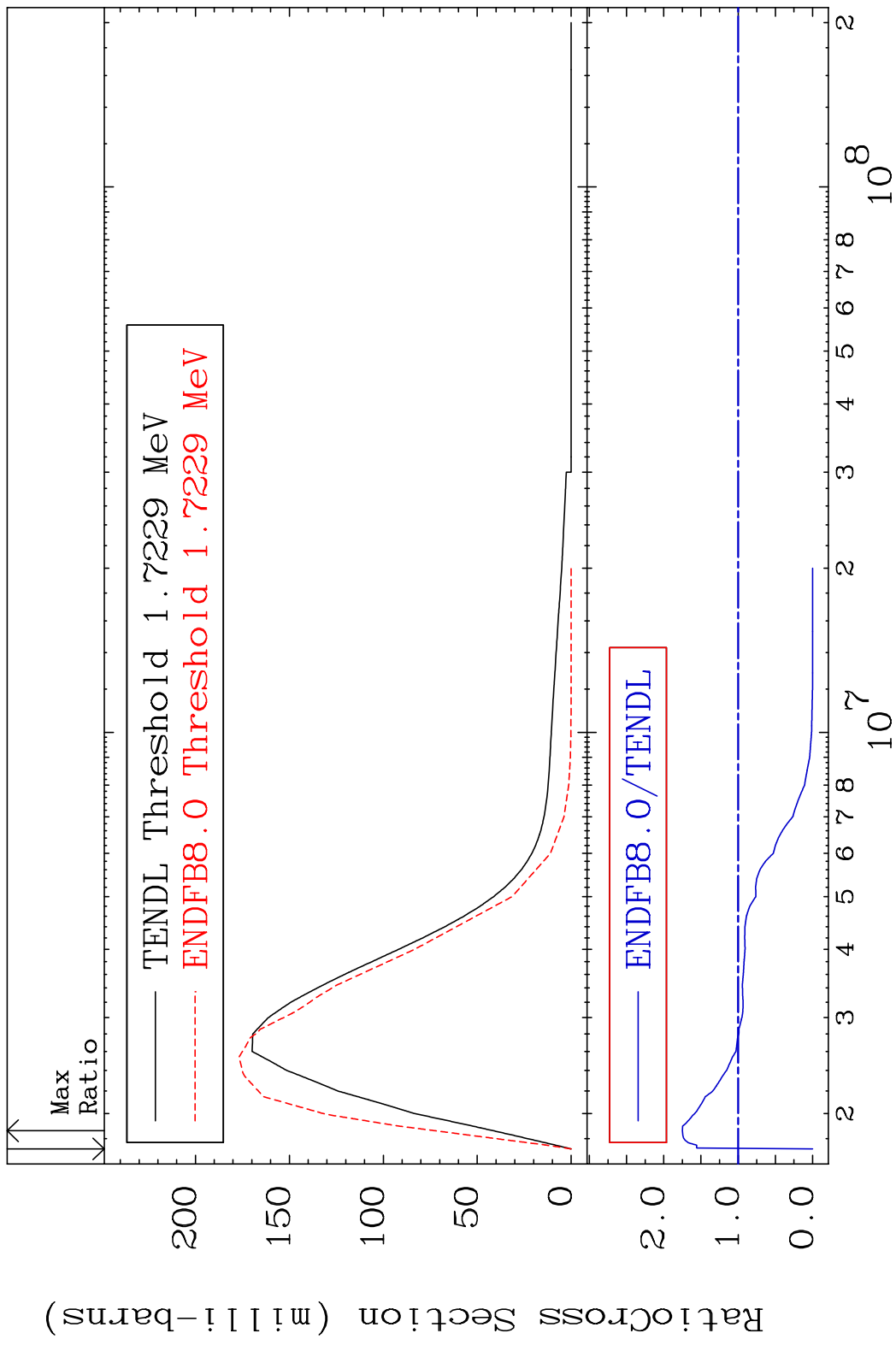
8 Incident Energy (eV) 34-Se-80

MAT 3443 MT= 52 (n, n') Level 34-Se-80  
 Cross Section -100.0 To 35.38 %

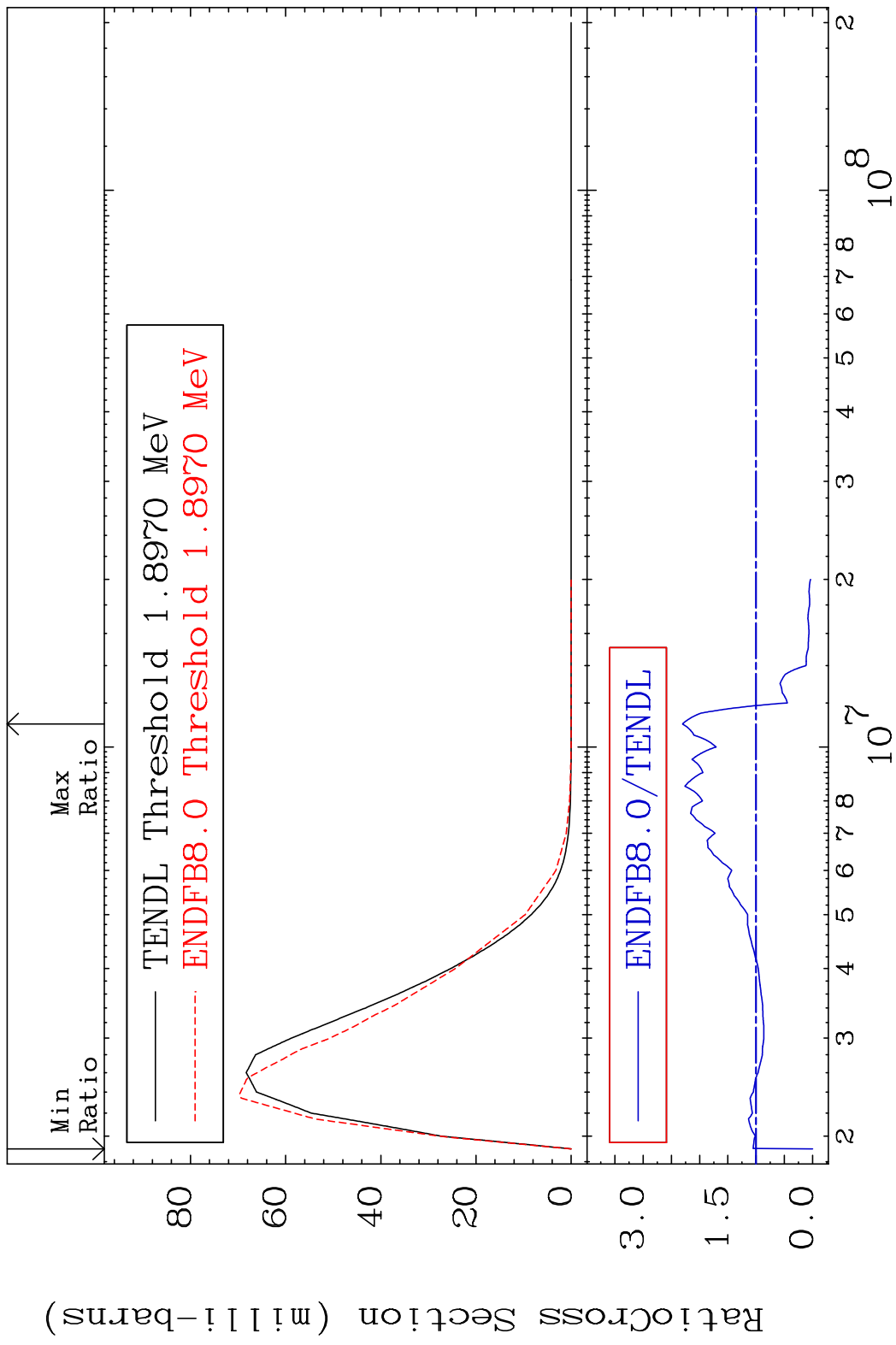




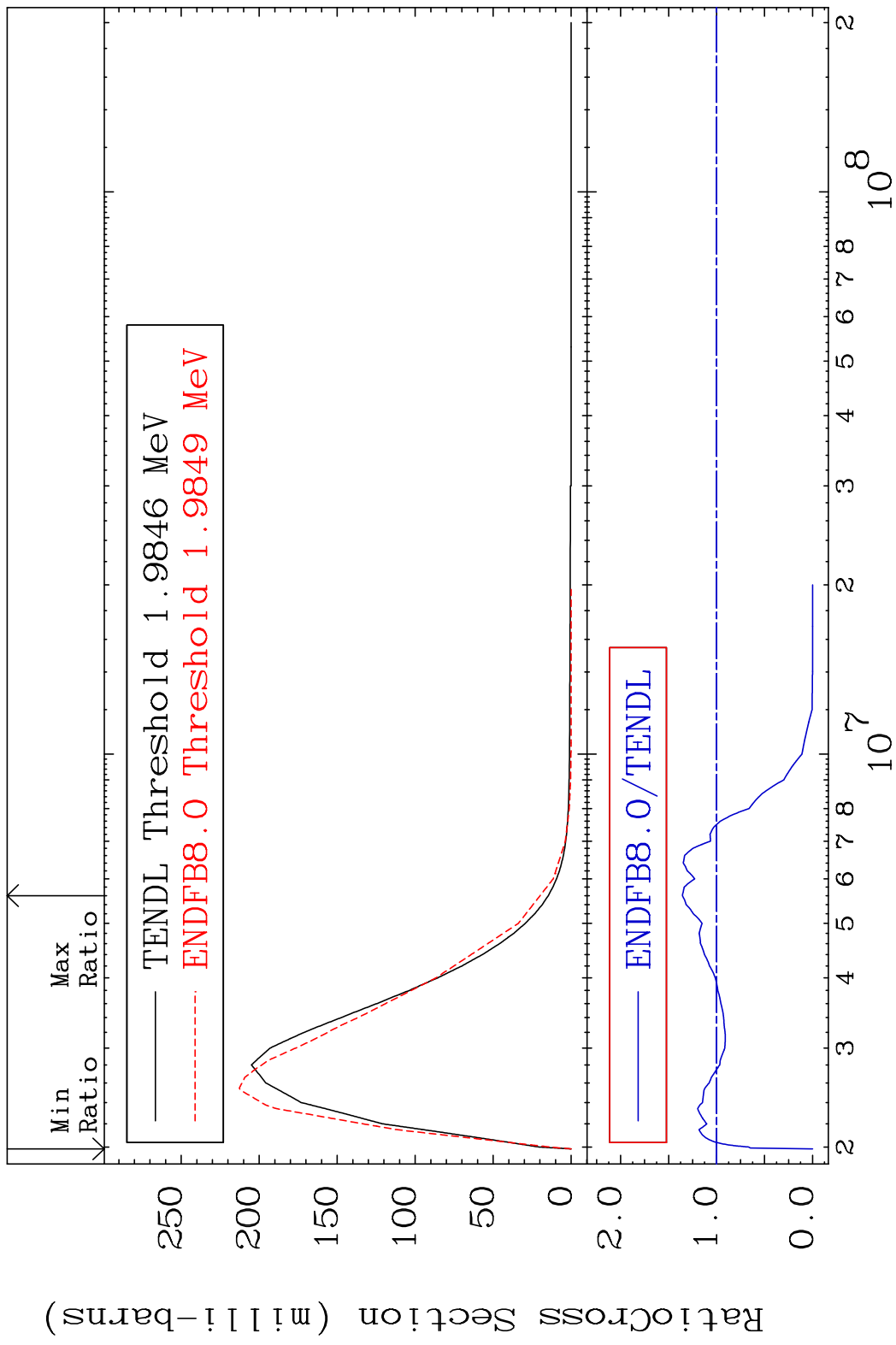
MAT 3443 MT= 54 (n,n') Level 34-Se-80  
 Cross Section -100.0 To 74.99 %



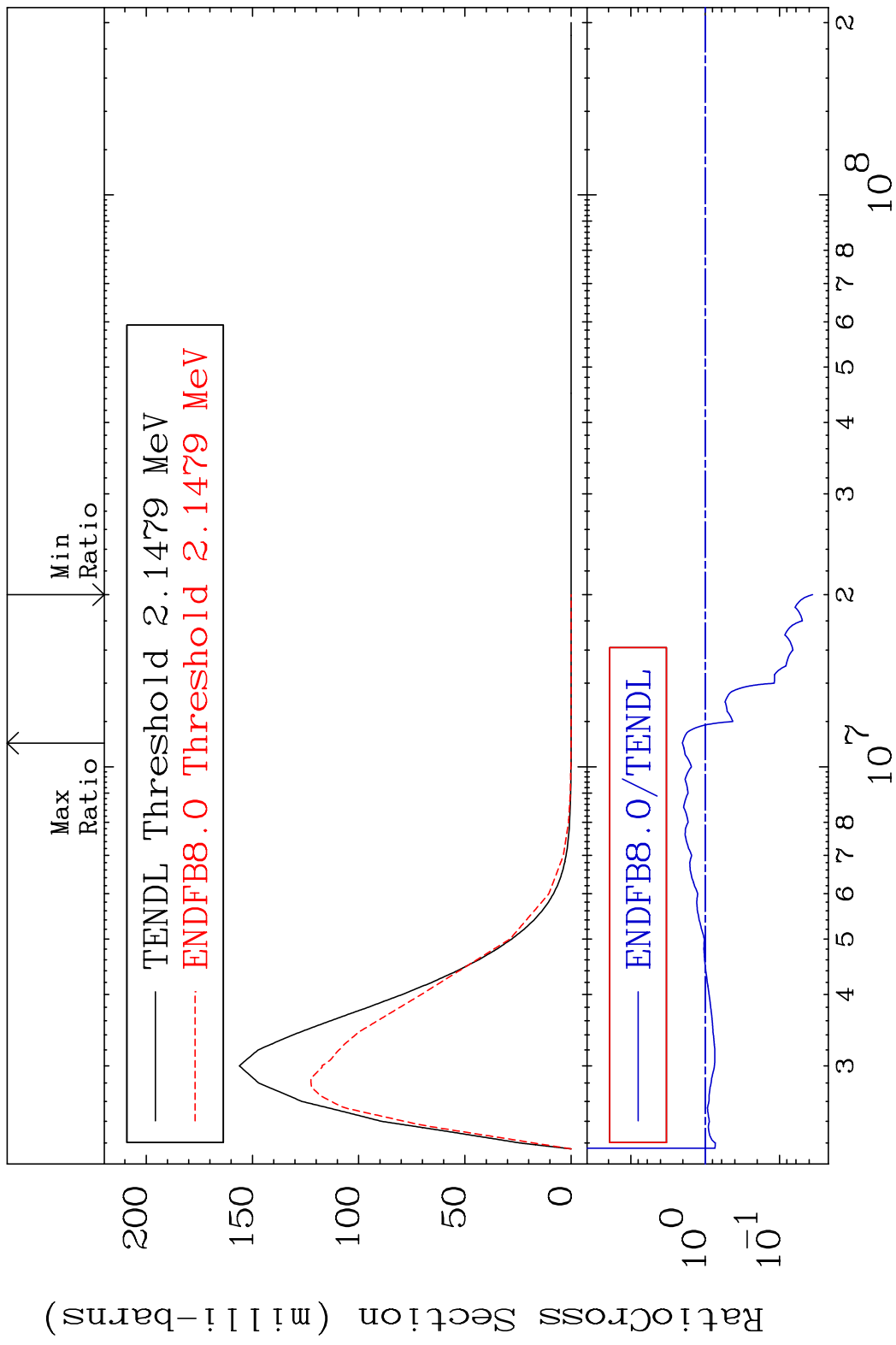
MAT 3443 MT= 55 (n, n') Level 34-Se-80  
 Cross Section -100.0 To 130.6 %



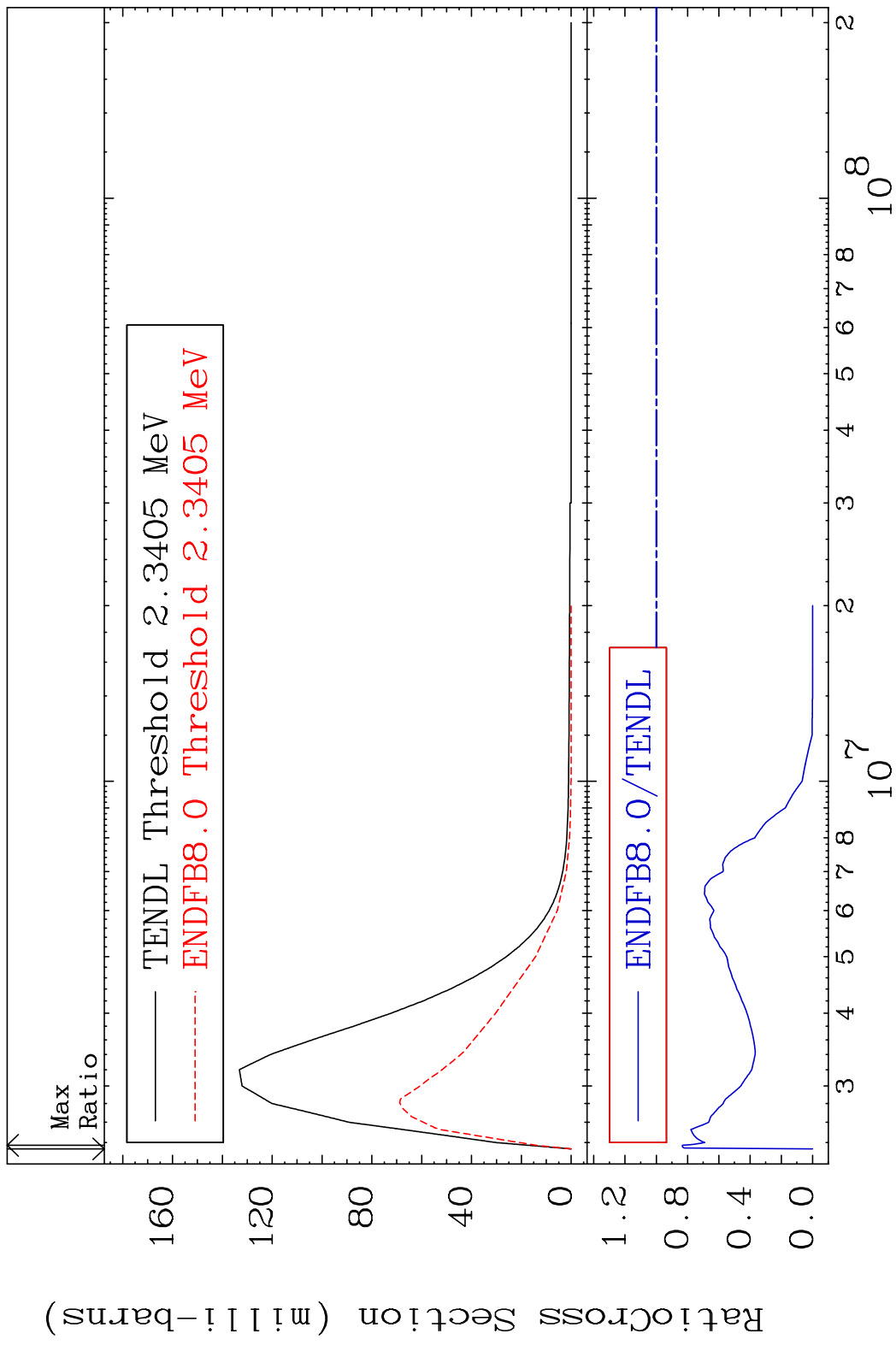
MAT 3443 MT= 56 (n,n') Level 34-Se-80  
 Cross Section -100.0 To 35.68 %



MAT 3443 MT= 57 (n, n') Level 34-Se-80  
 Cross Section -96.41 To 102.9 %



MAT 3443 MT= 58 (n,n') Level 34-Se-80  
 Cross Section -100.0 To -16.68%



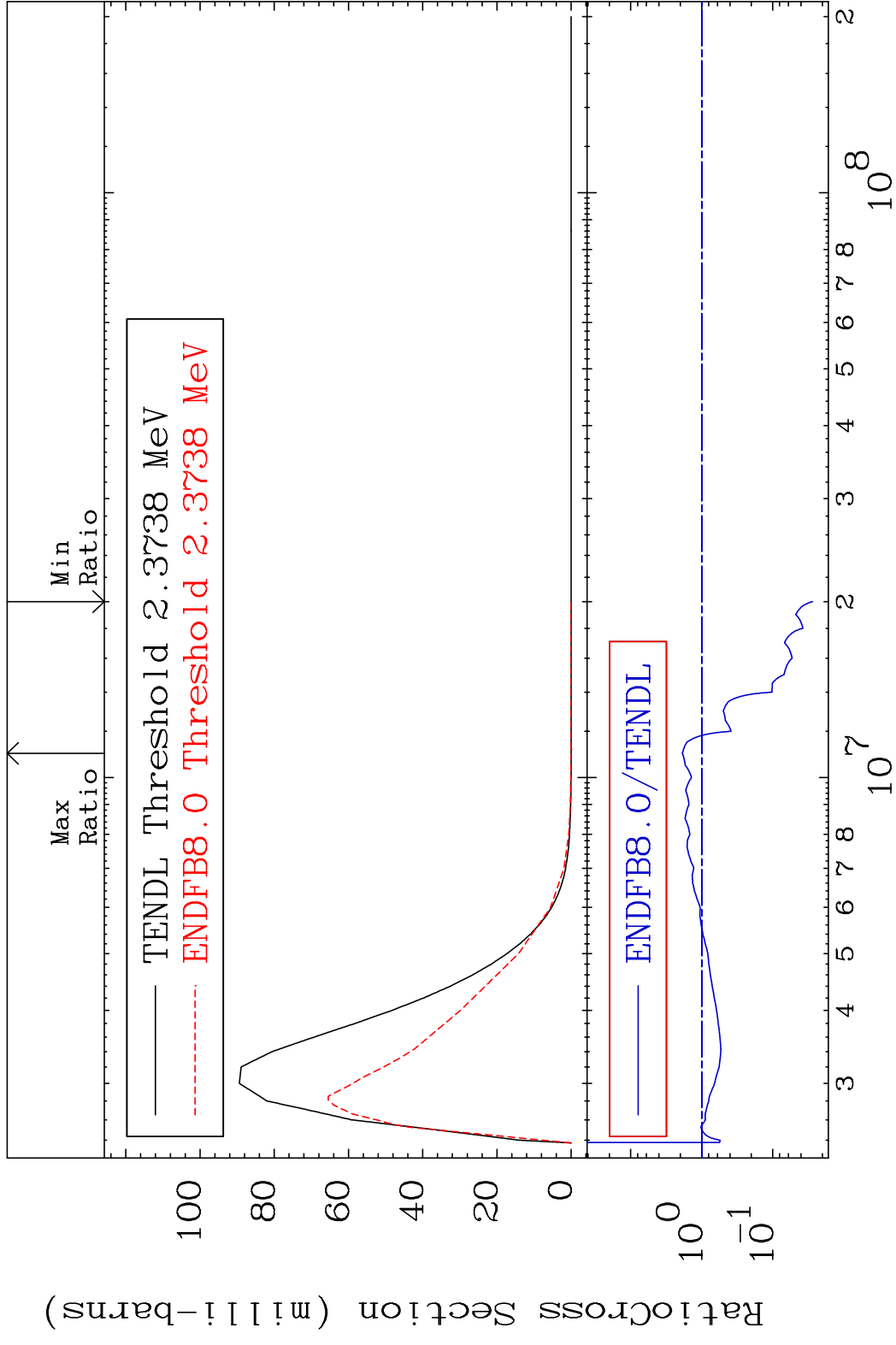


MAT 3443

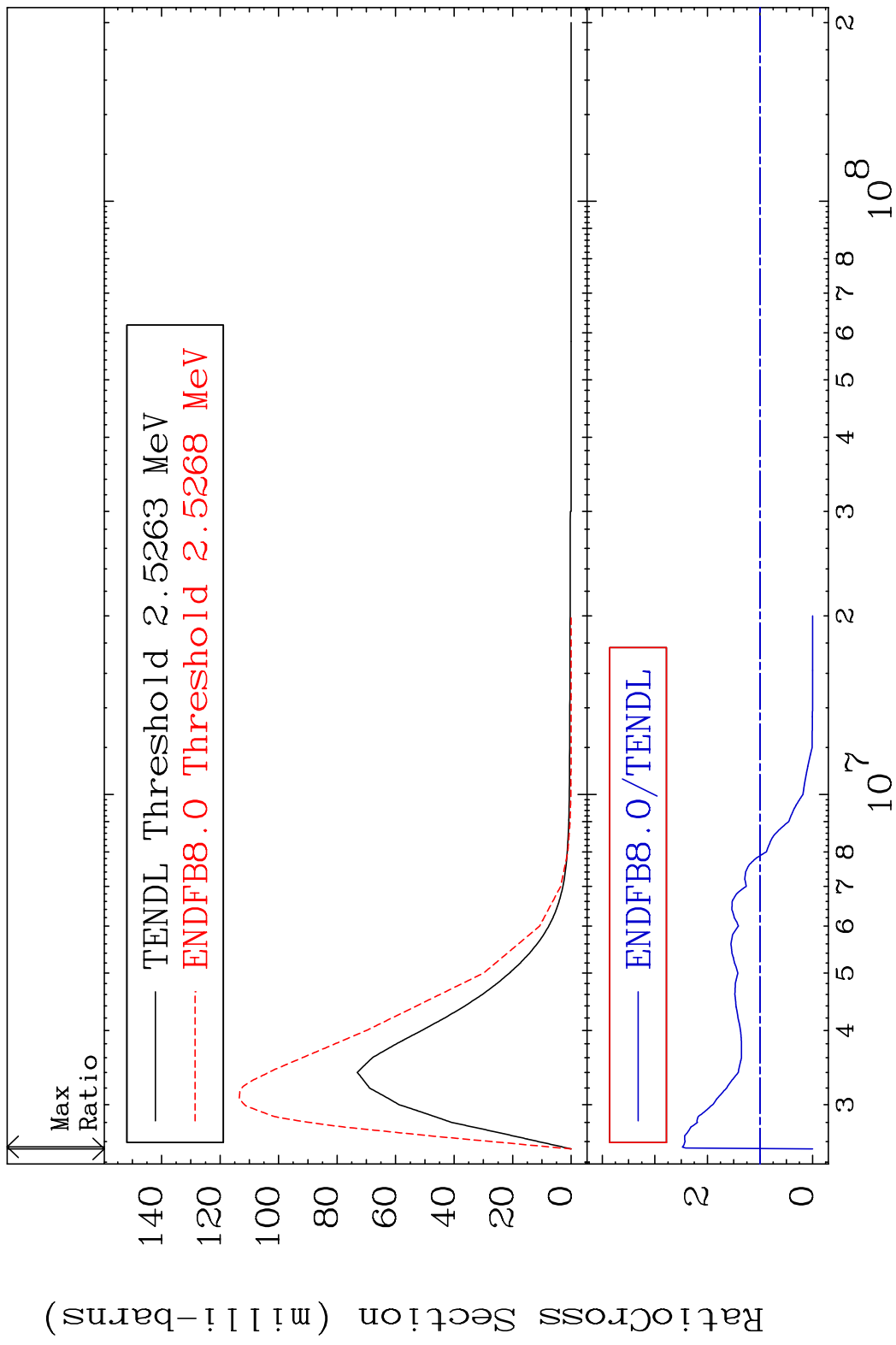
MT= 59 (n, n') Level

34-Se-80

Cross Section -97.26 To 87.31 %

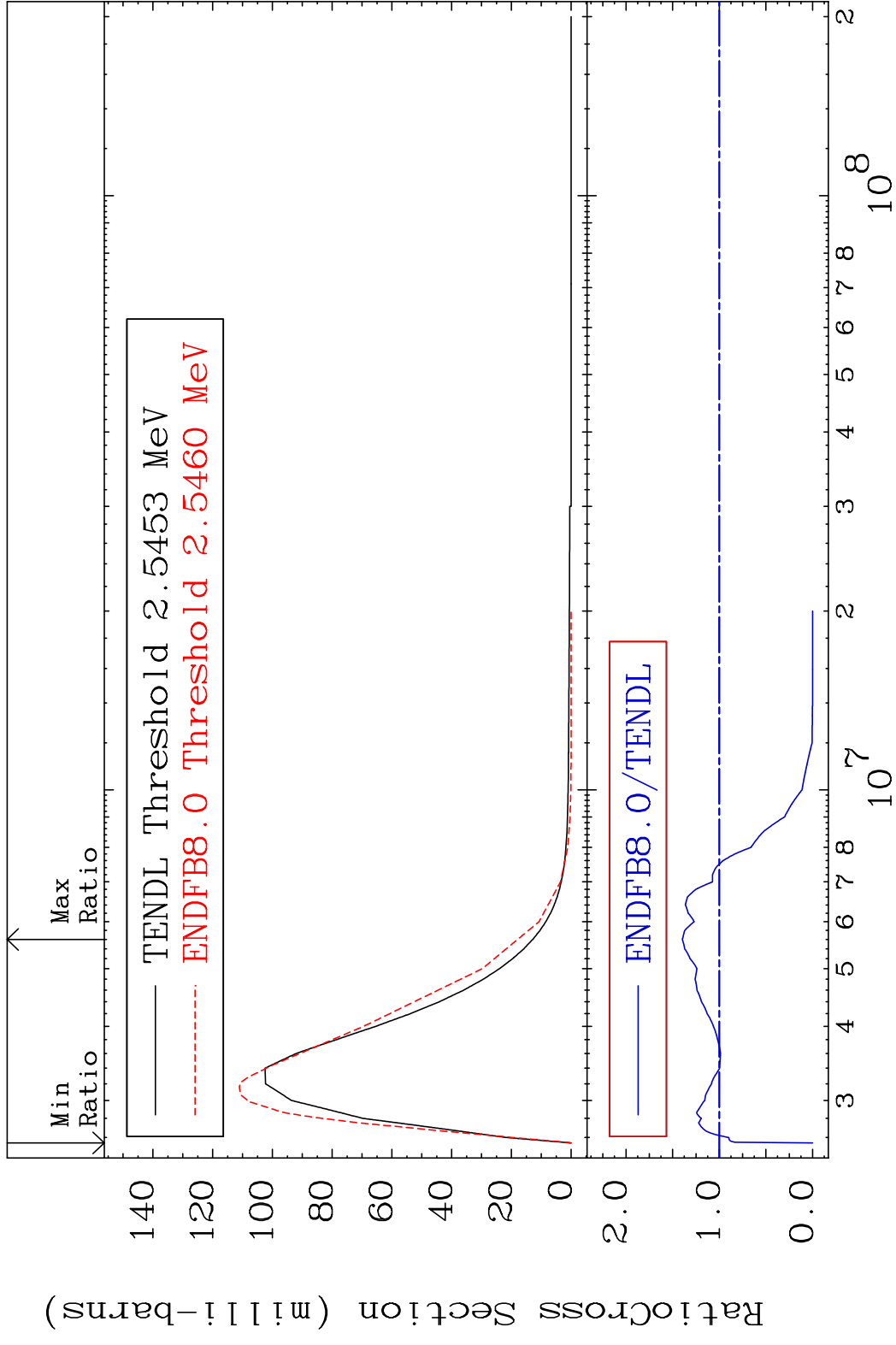


MAT 3443 MT= 60 (n,n') Level 34-Se-80  
 Cross Section -100.0 To 147.7 %



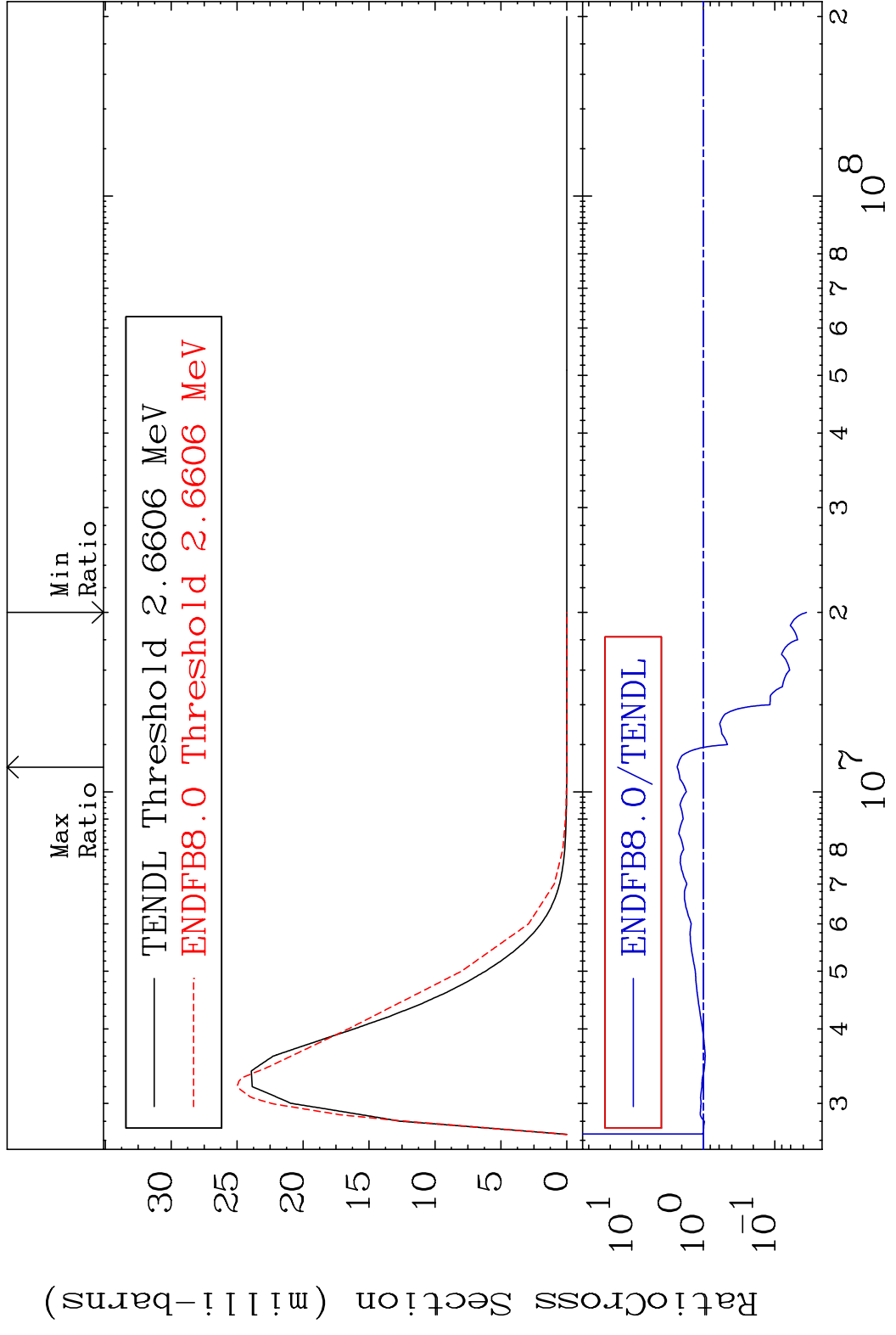
17 Incident Energy (eV) 34-Se-80

MAT 3443 MT= 61 (n,n') Level 34-Se-80  
 Cross Section -100.0 To 39.59 %

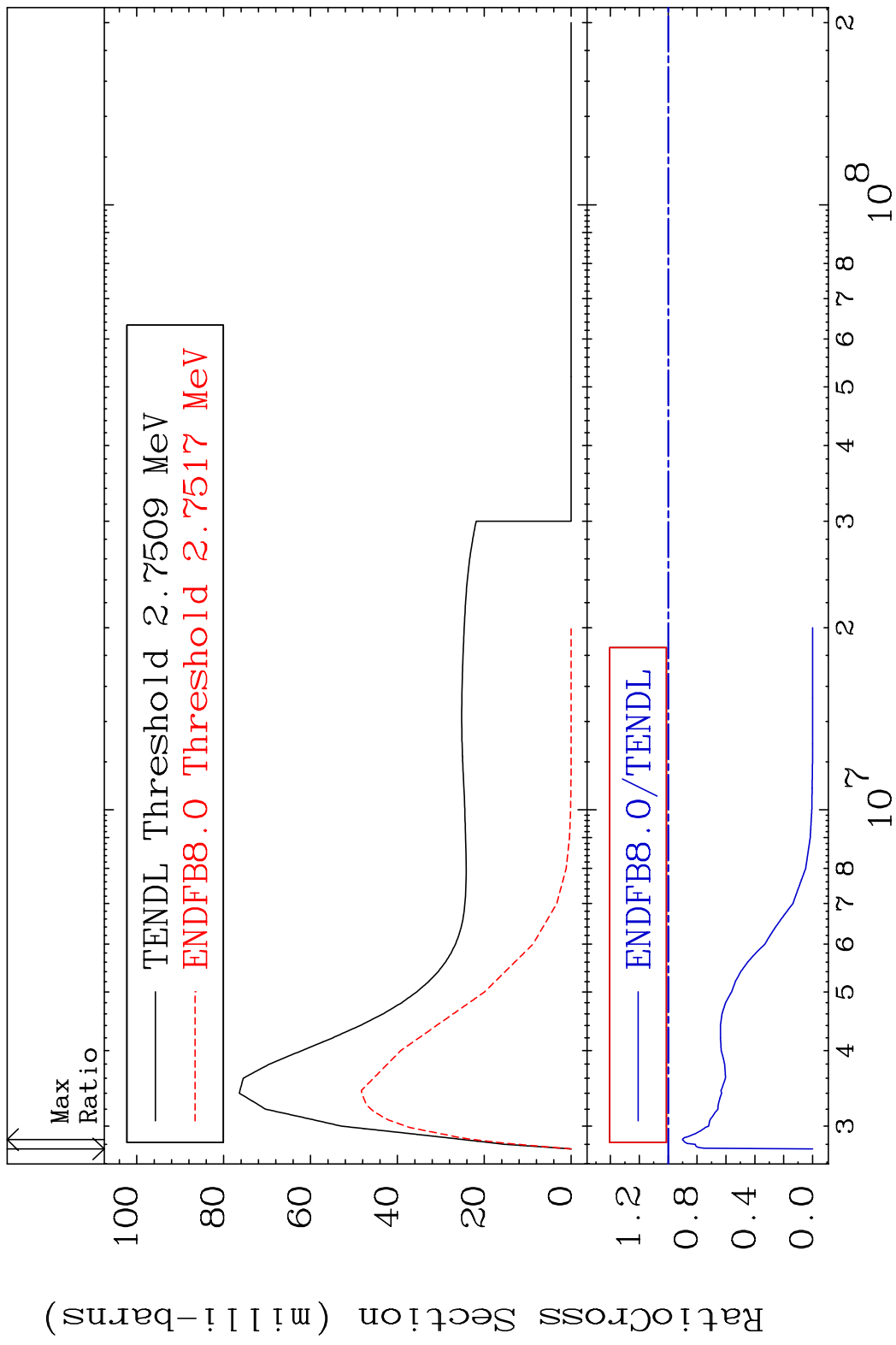


18 Incident Energy (eV) 34-Se-80

MAT 3443 MT= 62 (n, n') Level 34-Se-80  
 Cross Section -96.39 To 131.8 %

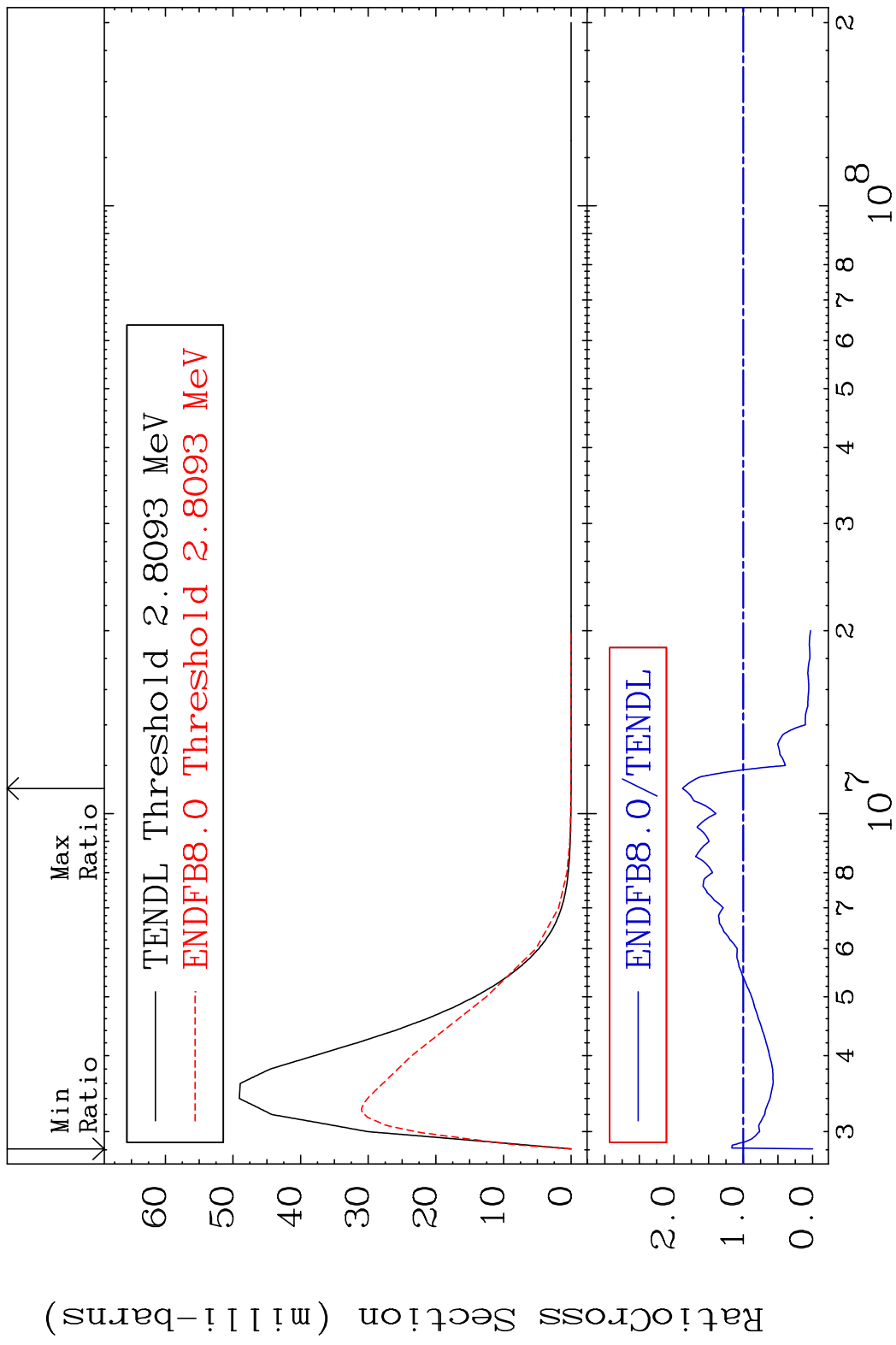


MAT 3443 MT= 63 (n,n') Level 34-Se-80  
 Cross Section -100.0 To -9.827%

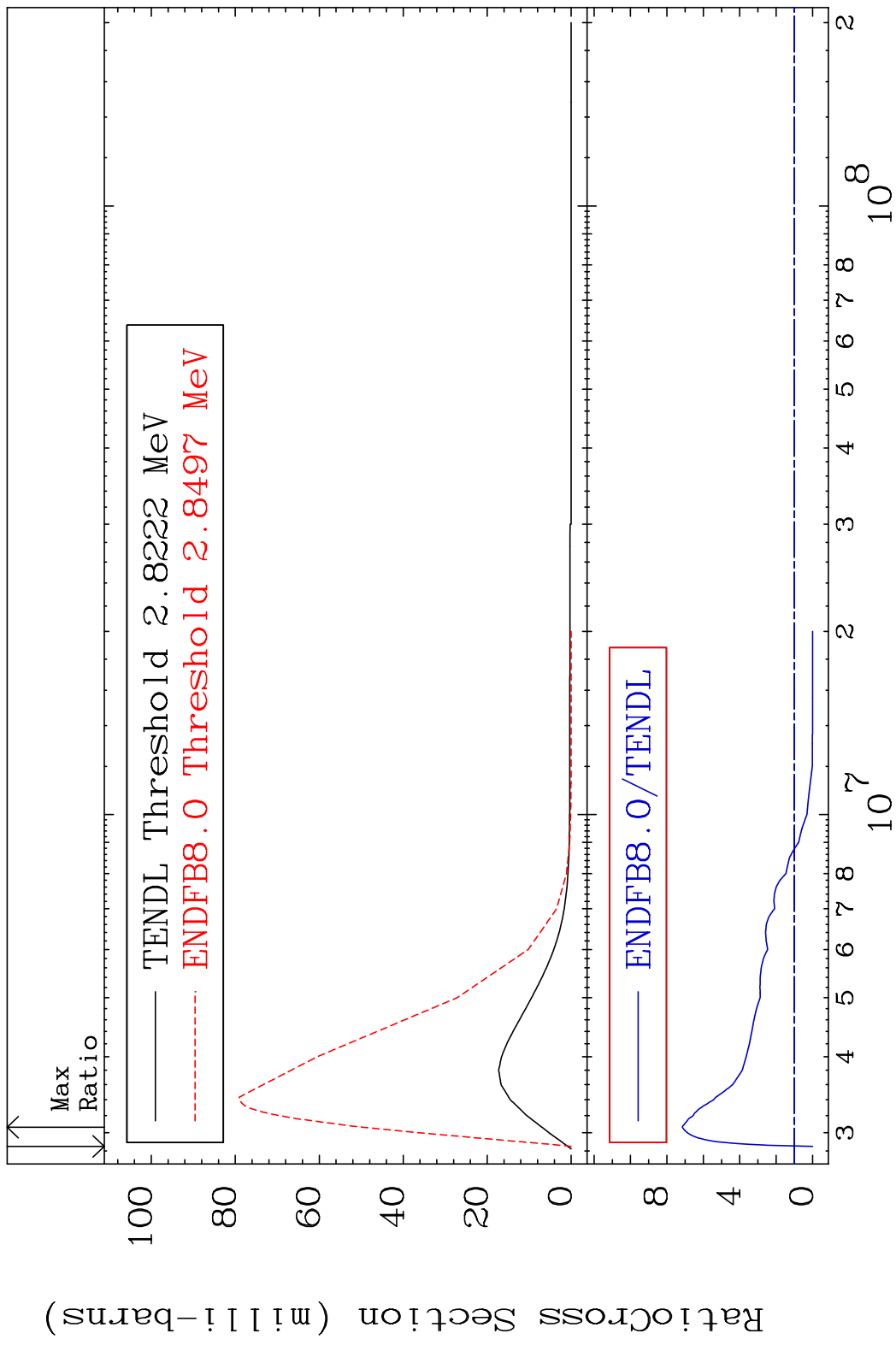


20 34-Se-80

MAT 3443 MT= 64 (n,n') Level 34-Se-80  
 Cross Section -100.0 To 87.97 %



MAT 3443 MT= 65 (n,n') Level 34-Se-80  
 Cross Section -100.0 To 615.1 %

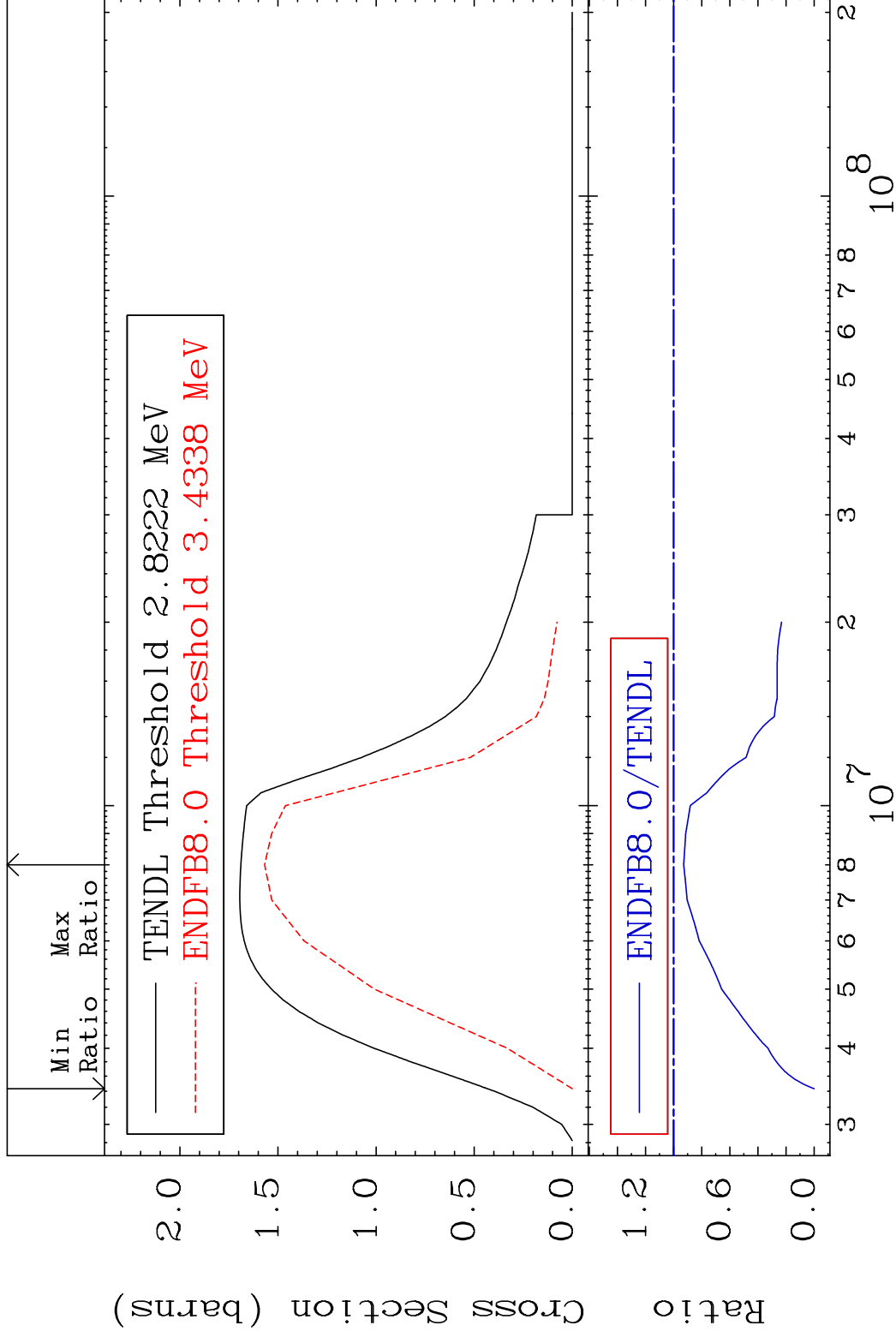


MAT 3443

(n,n') Continuum

<sup>34</sup>Se-80

Cross Section -100.0 To -7.165%



23

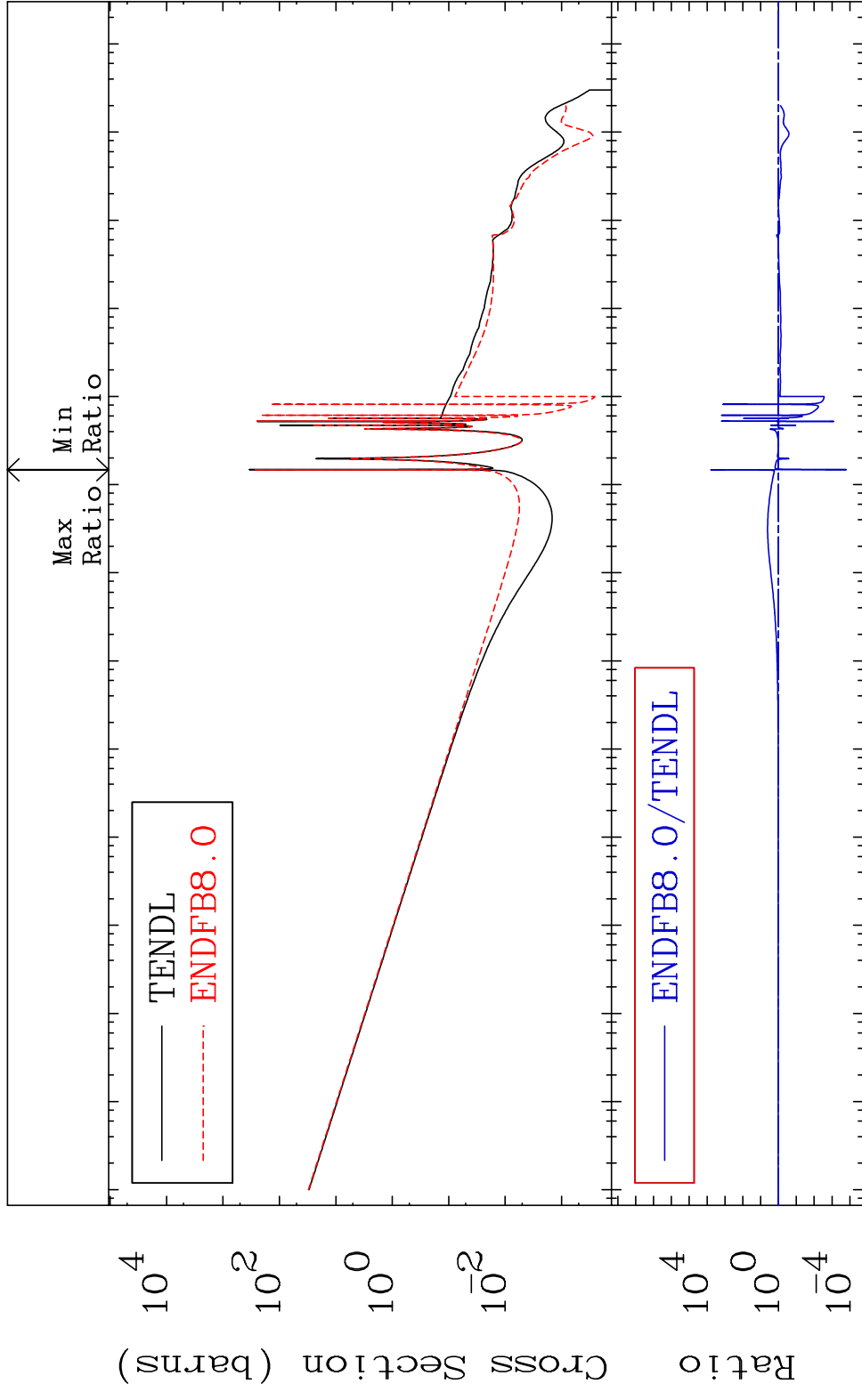
Incident Energy (eV)

<sup>34</sup>Se-80



MAT 3443

(n,  $\gamma$ )  
Cross Section -99.98 To 9999. %  
34-Se-80

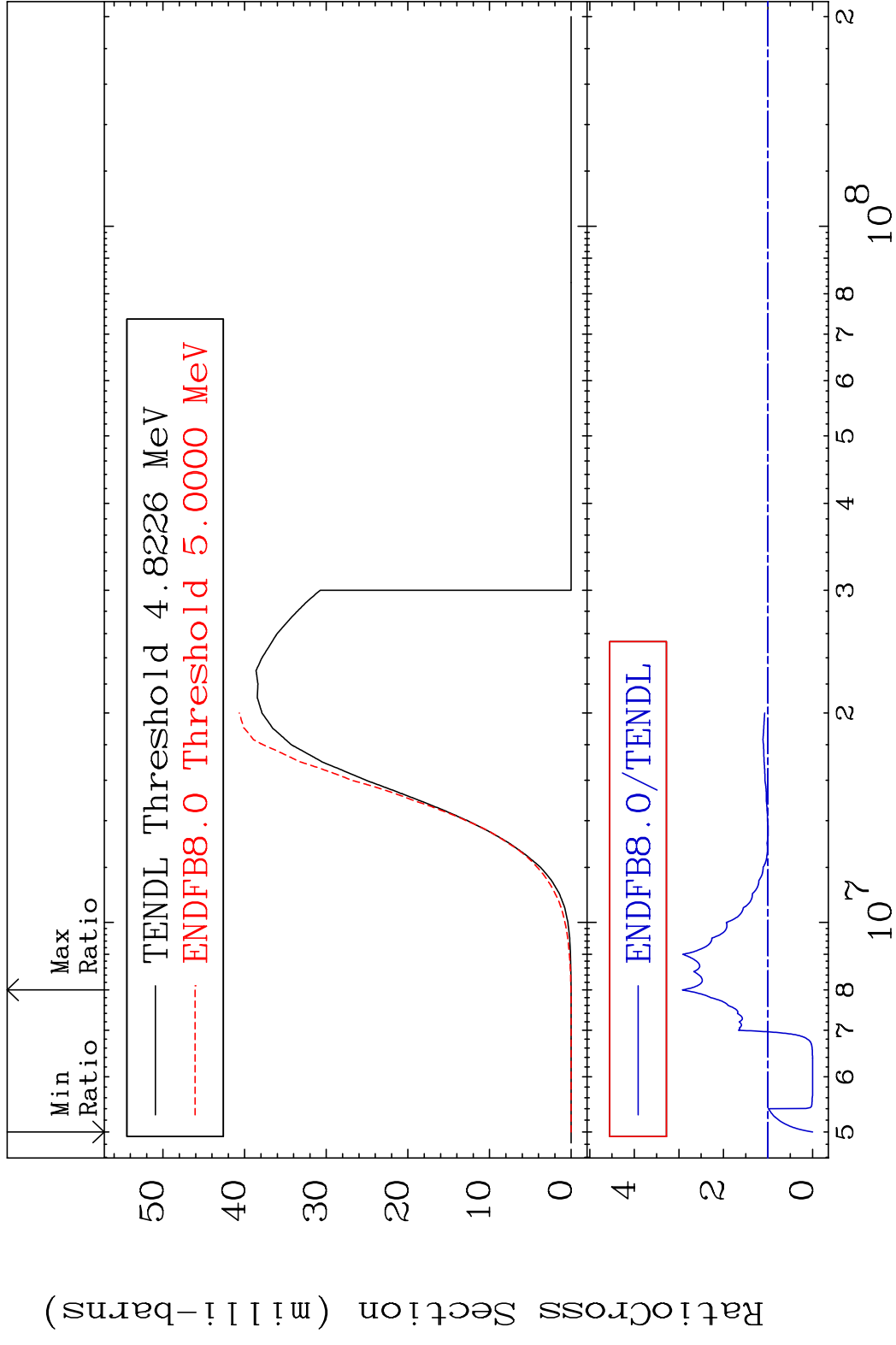


24

Incident Energy (eV)

34-Se-80

MAT 3443 (n,p) 34-Se-80  
 Cross Section -100.0 To 192.2 %

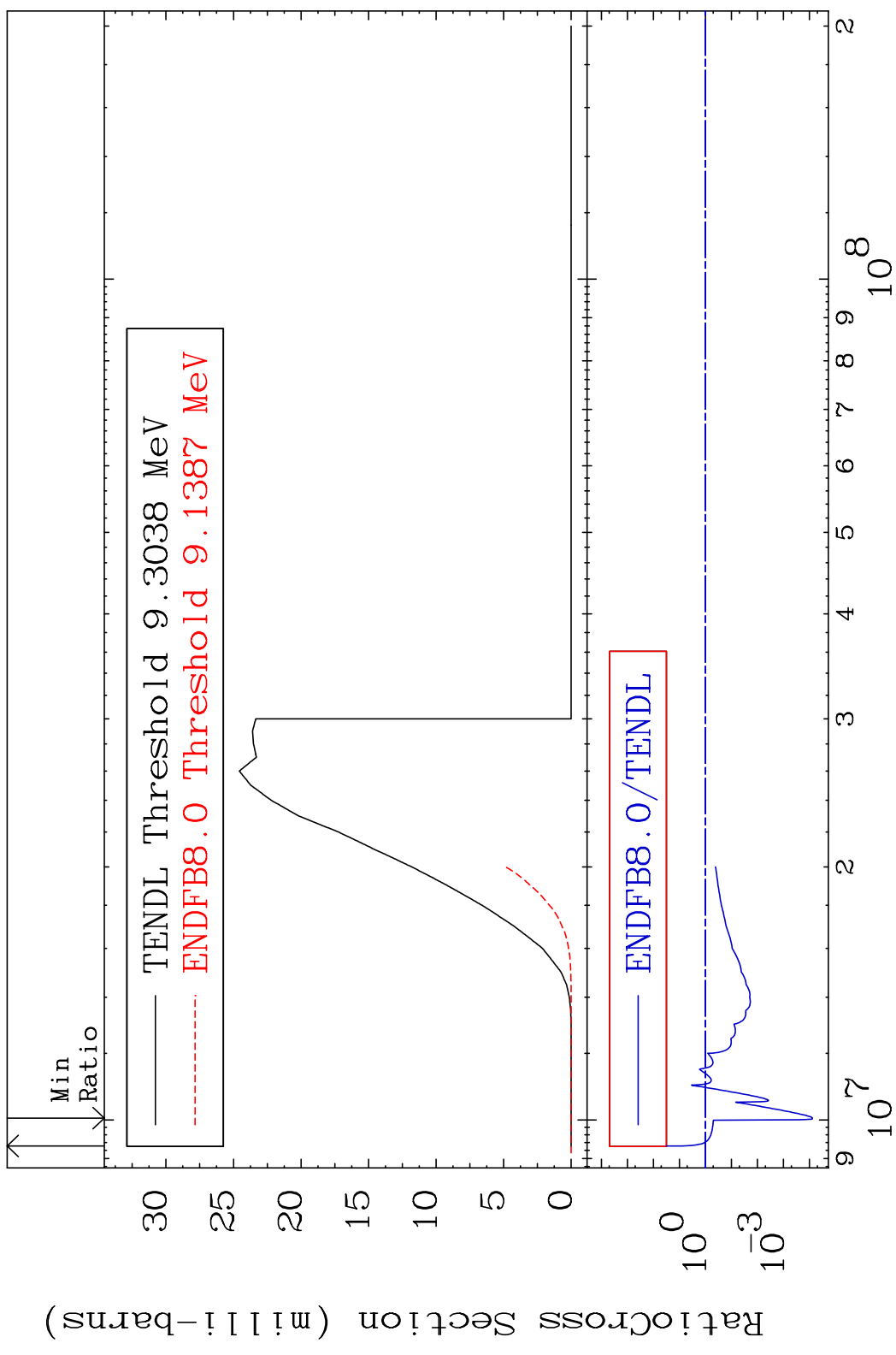


MAT 3443

(n, d)

34-Se-80

Cross Section -99.99 To 673.1 %



26

Incident Energy (eV)

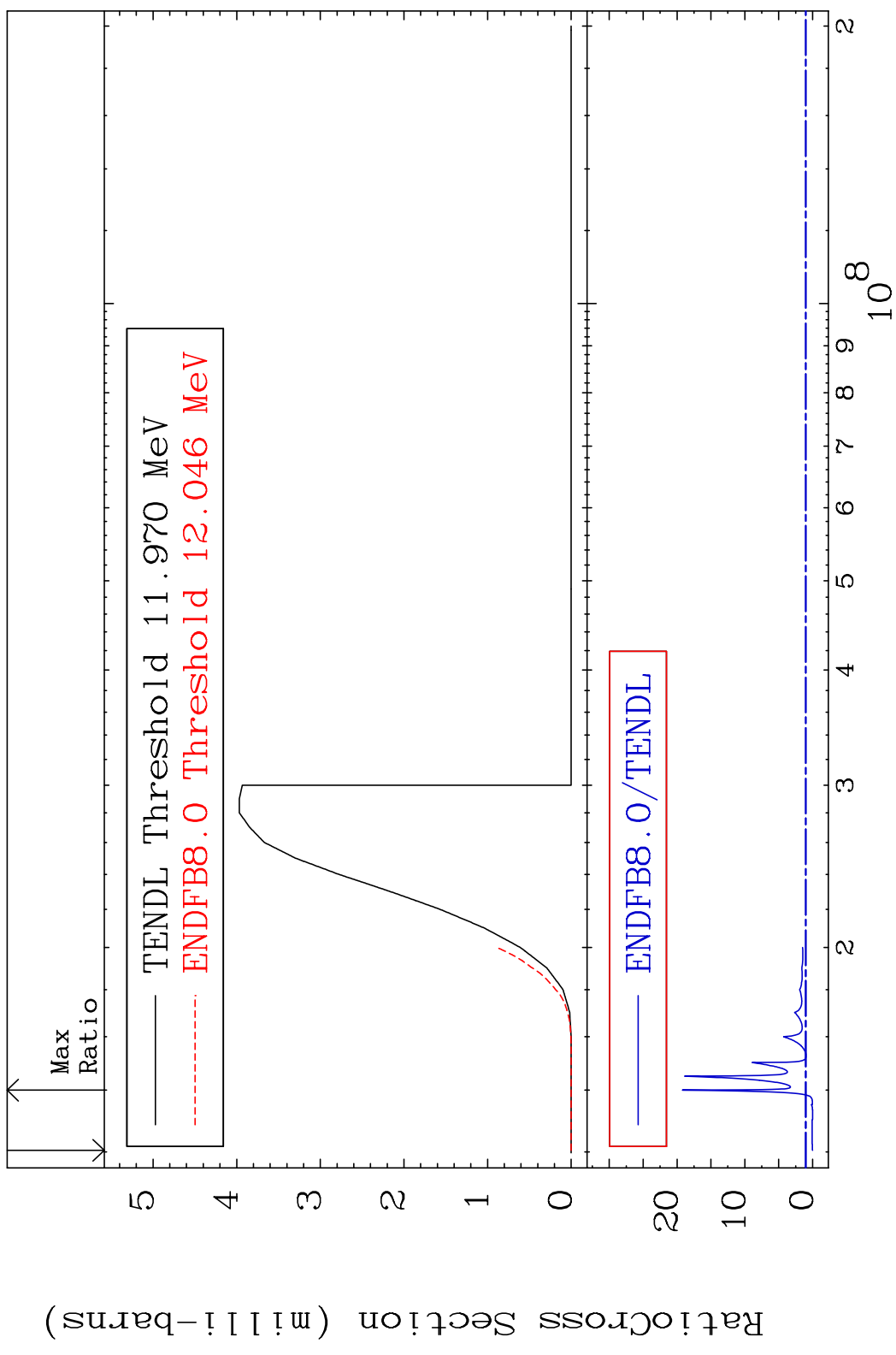
34-Se-80

MAT 3443

(n, t)

34-Se-80

Cross Section -100.0 To 1822. %

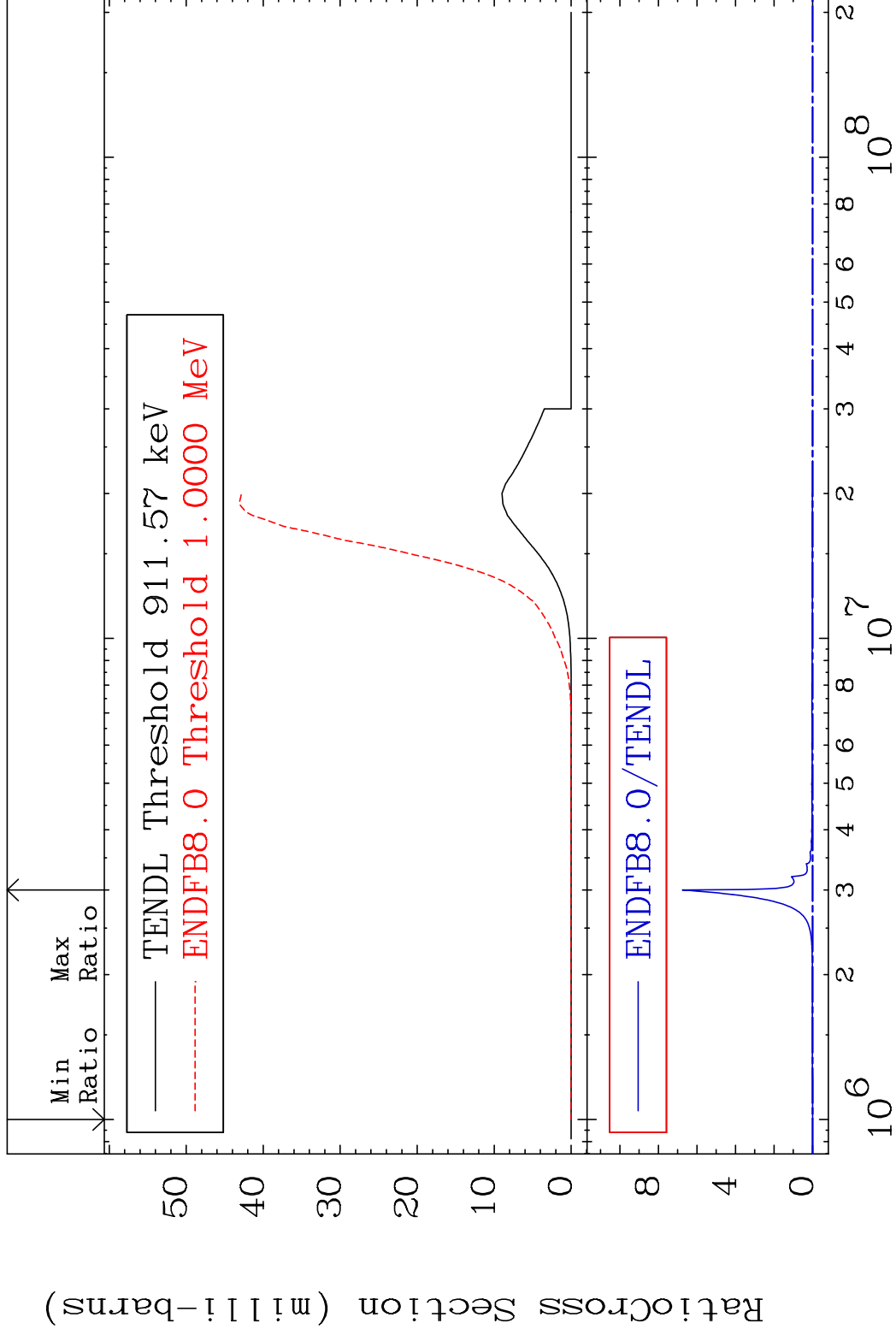


MAT 3443

(n,  $\alpha$ )

<sup>34</sup>Se-80

Cross Section -100.0 To 9999. %



28

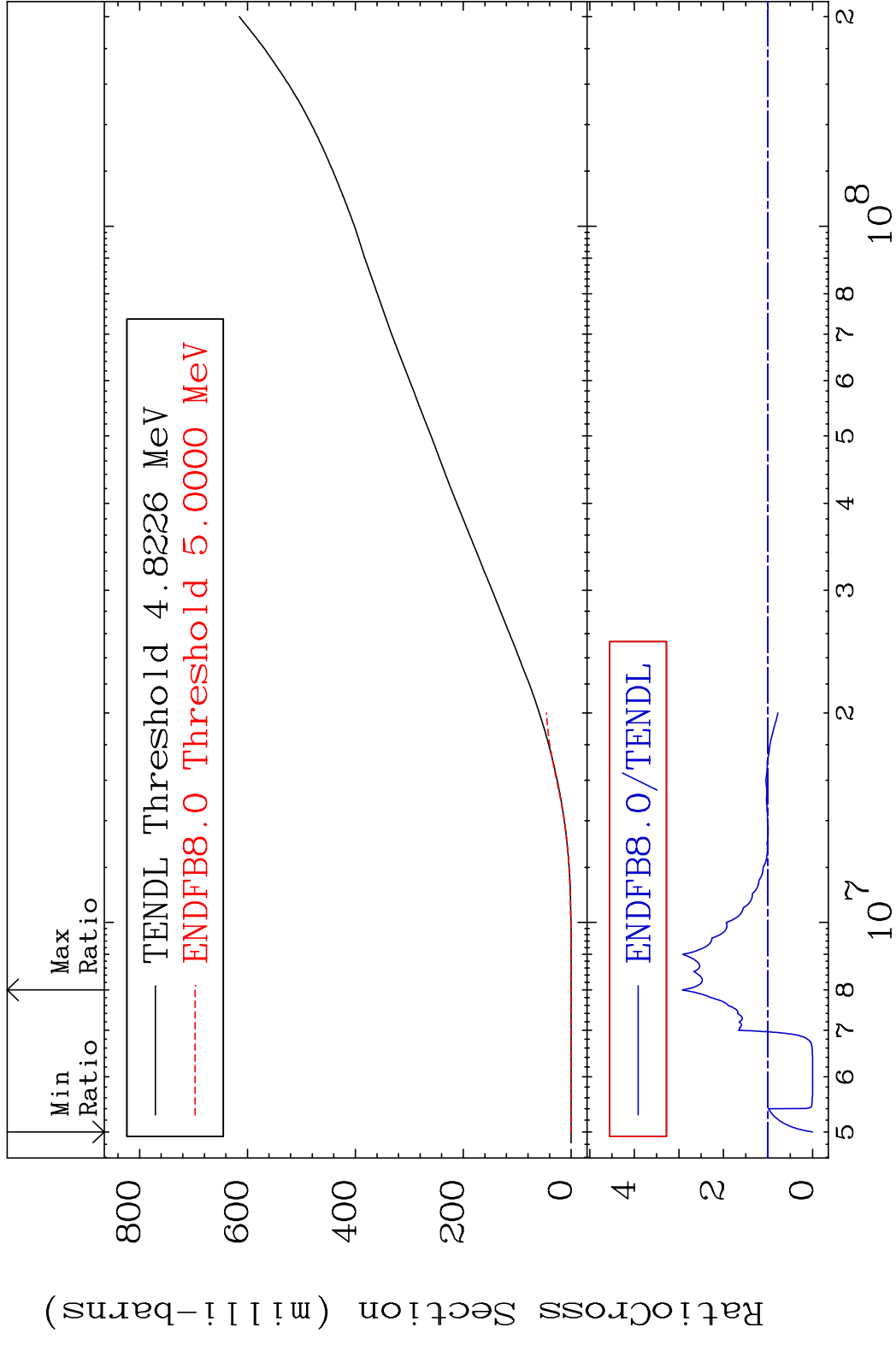
Incident Energy (eV)

<sup>34</sup>Se-80

MAT 3443

Hydrogen Production  
Cross Section -100.0 To 192.2 %

<sup>34</sup>Se-80

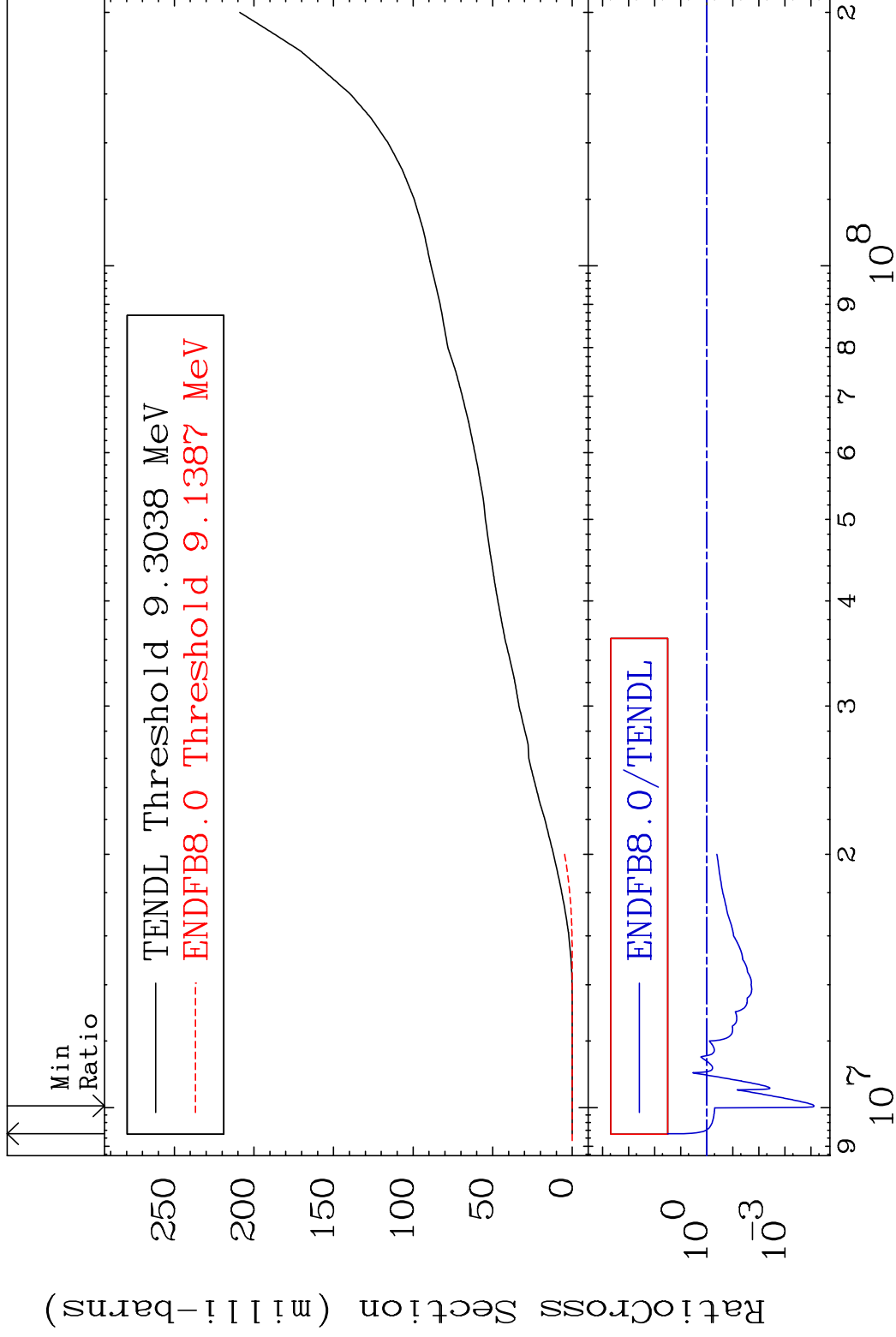


MAT 3443

Deuterium Production

<sup>34</sup>Se-80

Cross Section -99.99 To 673.1 %

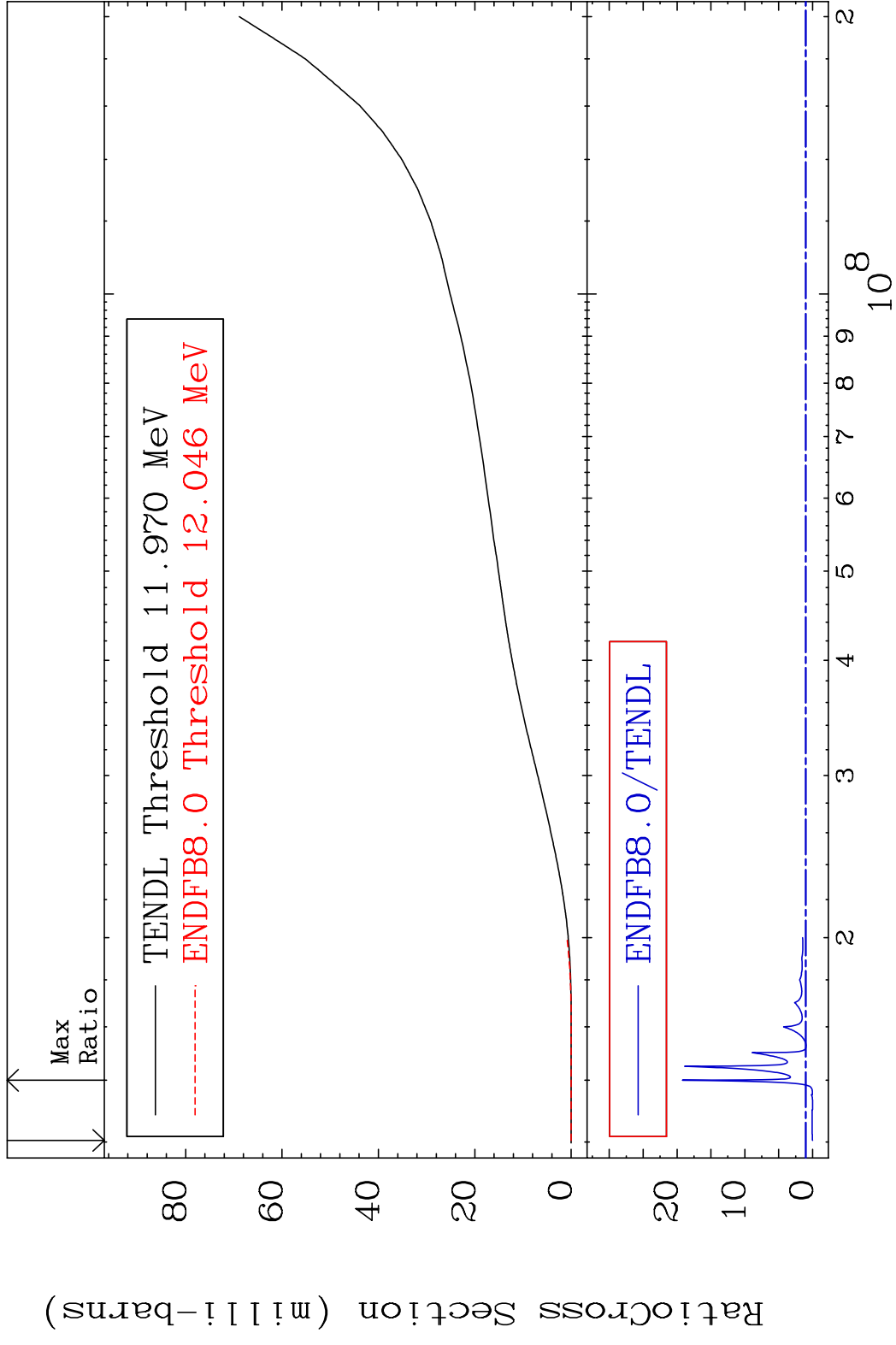


MAT 3443

Tritium Production

34-Se-80

Cross Section -100.0 To 1822. %



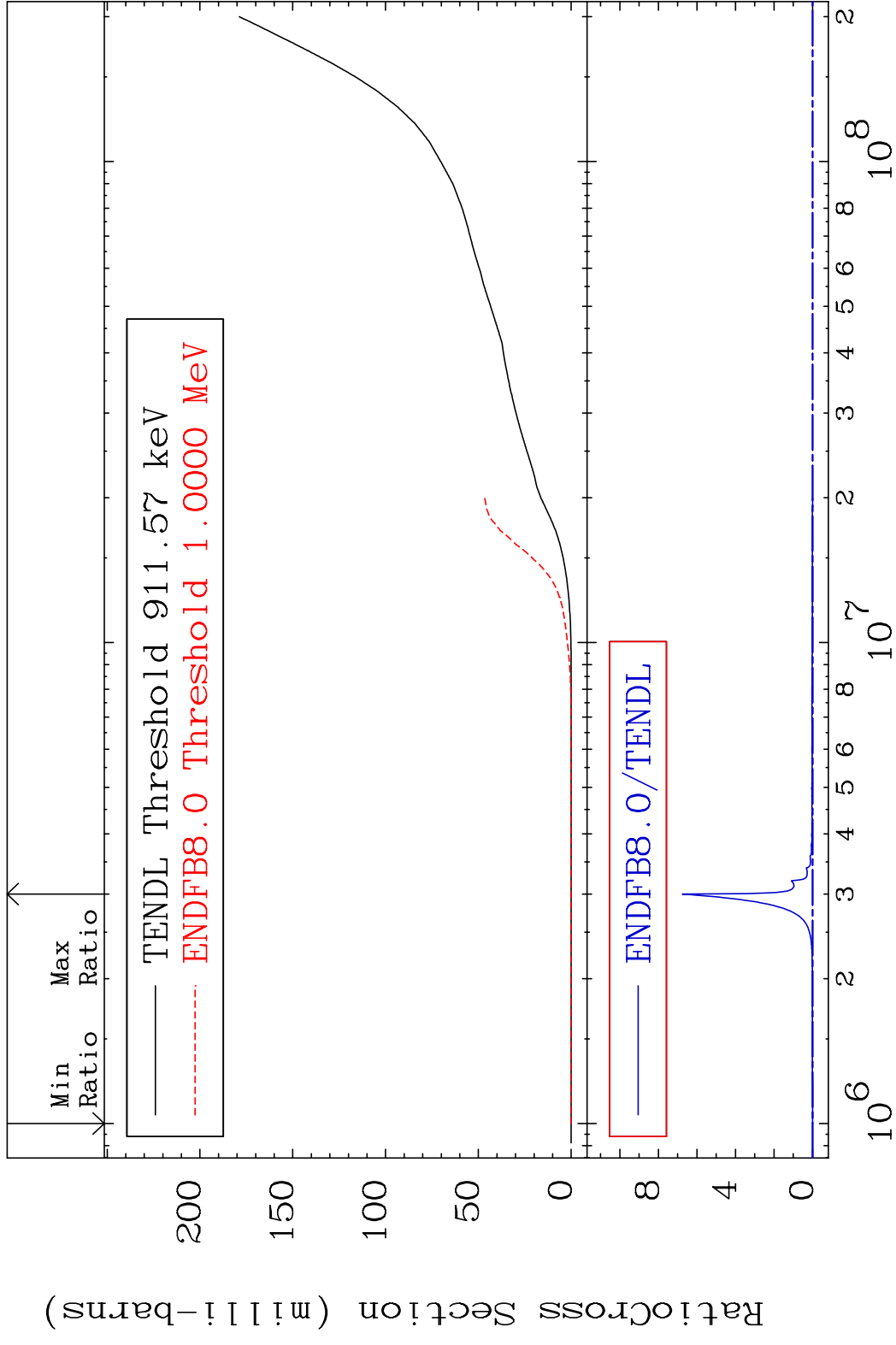


MAT 3443

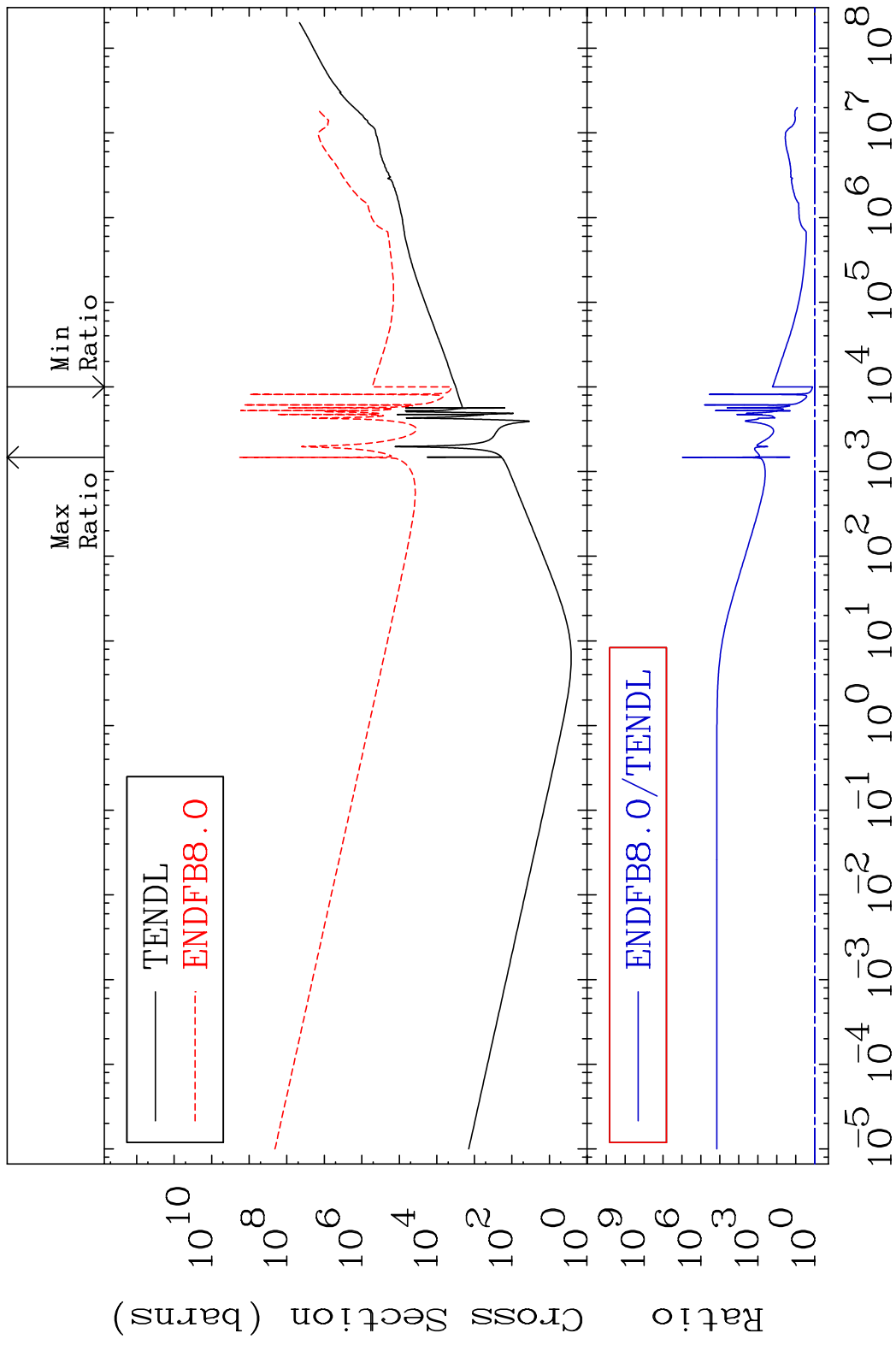
He-4 Production

34-Se-80

Cross Section -100.0 To 9999. %



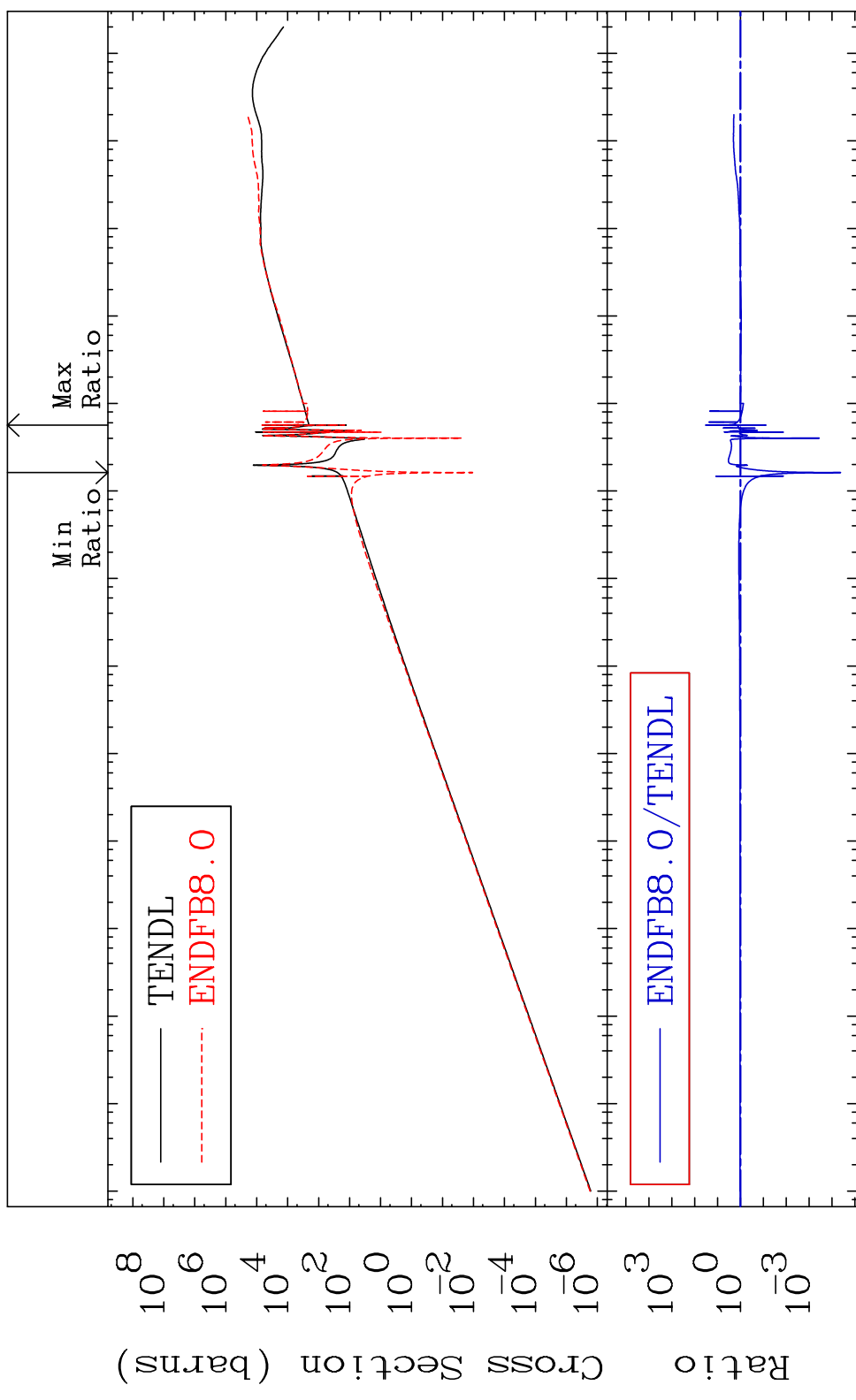
MAT 3443 Kerma total (eV-barns) 34-Se-80  
 Cross Section 28.82 To 9999. %



33 Incident Energy (eV) 34-Se-80

MAT 3443

Kerma elastic Cross Section -100.0 To 3170. %  
34-Se-80



10<sup>8</sup>  
10<sup>6</sup>  
10<sup>4</sup>  
10<sup>2</sup>  
10<sup>0</sup>  
10<sup>-2</sup>  
10<sup>-4</sup>  
10<sup>-6</sup>  
10<sup>-8</sup>  
Cross Section (barns)

10<sup>3</sup>  
10<sup>0</sup>  
10<sup>-3</sup>  
Ratio

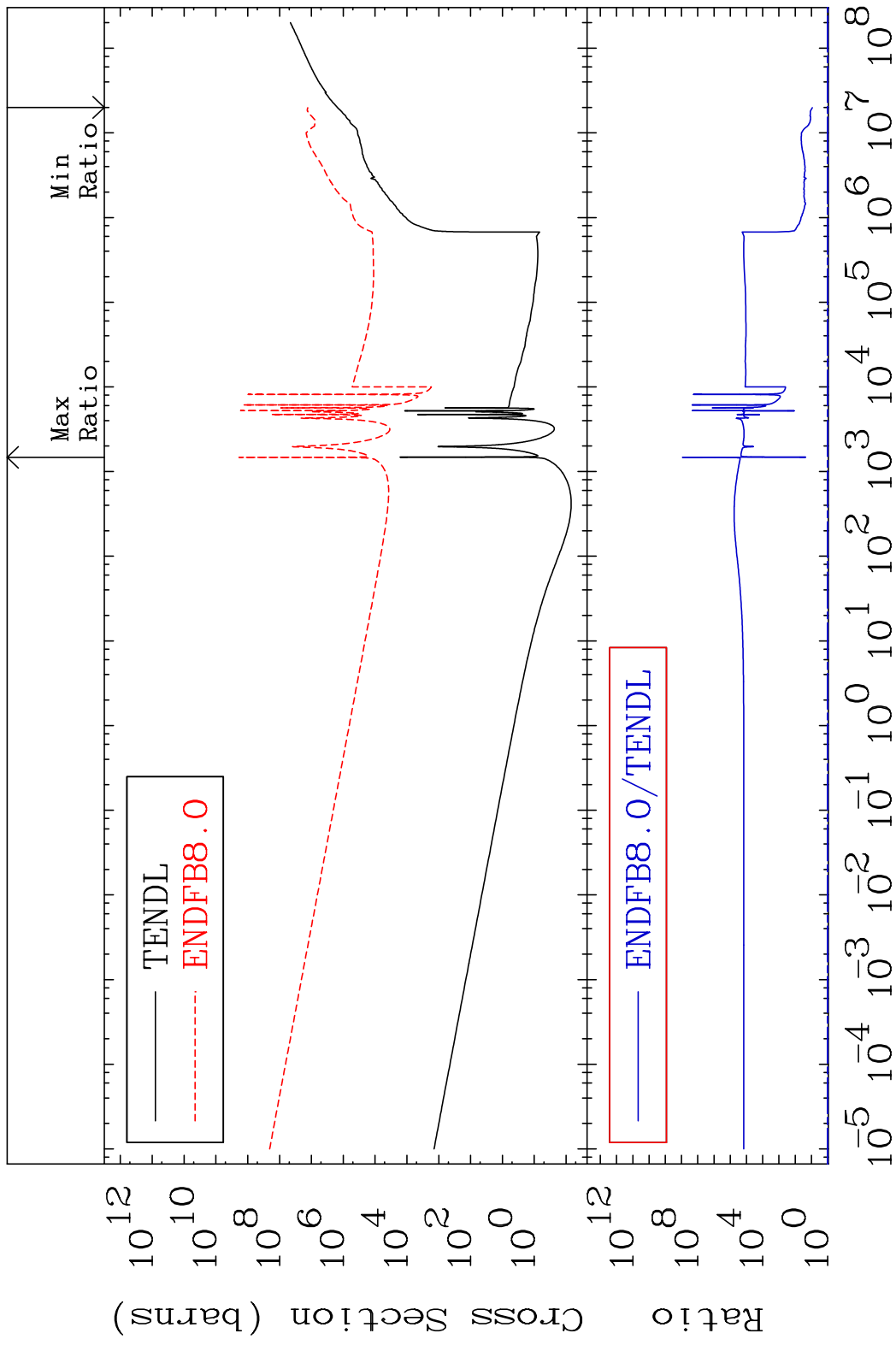
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>  
Incident Energy (eV)

34

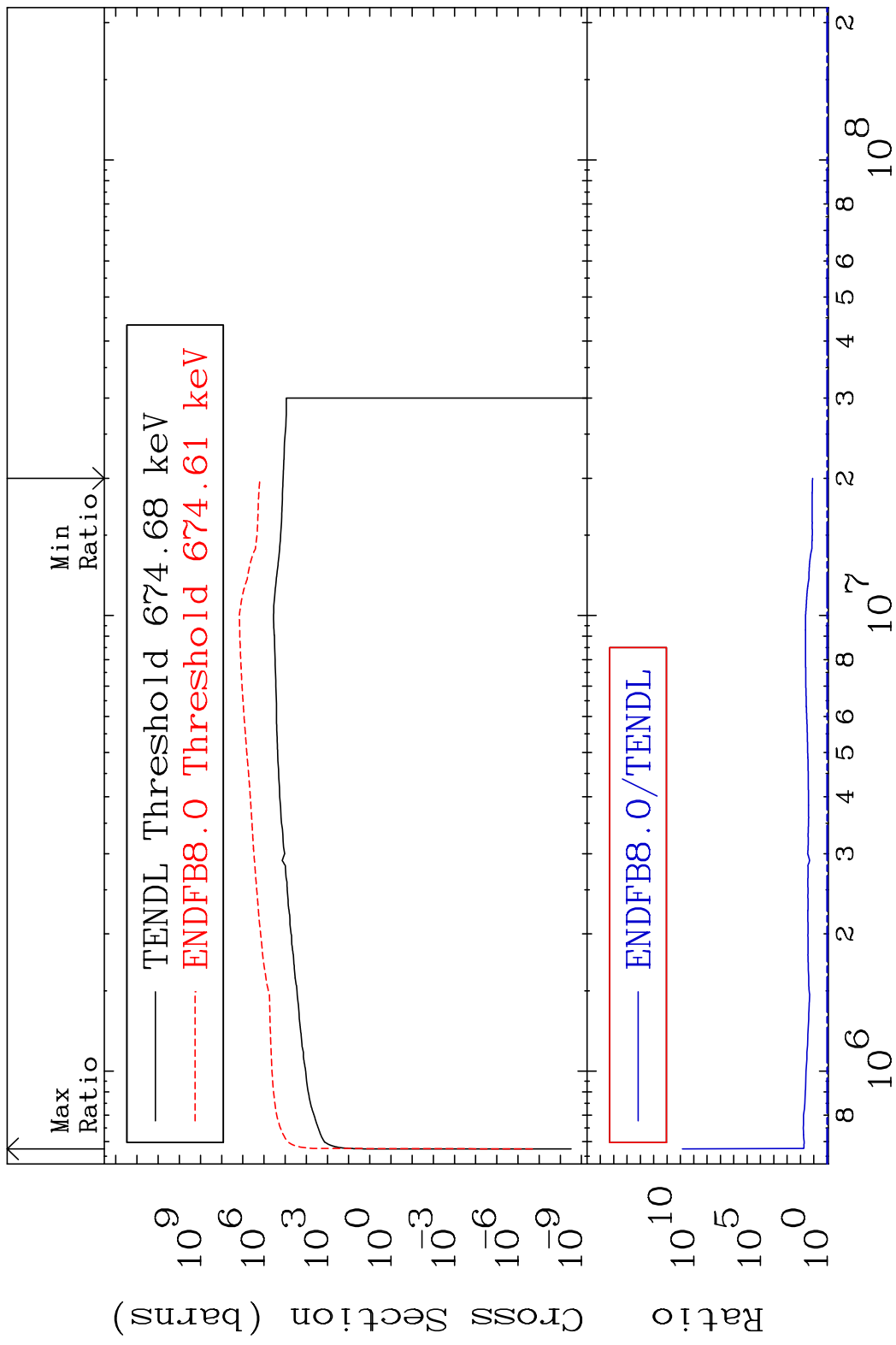
Incident Energy (eV)

34-Se-80

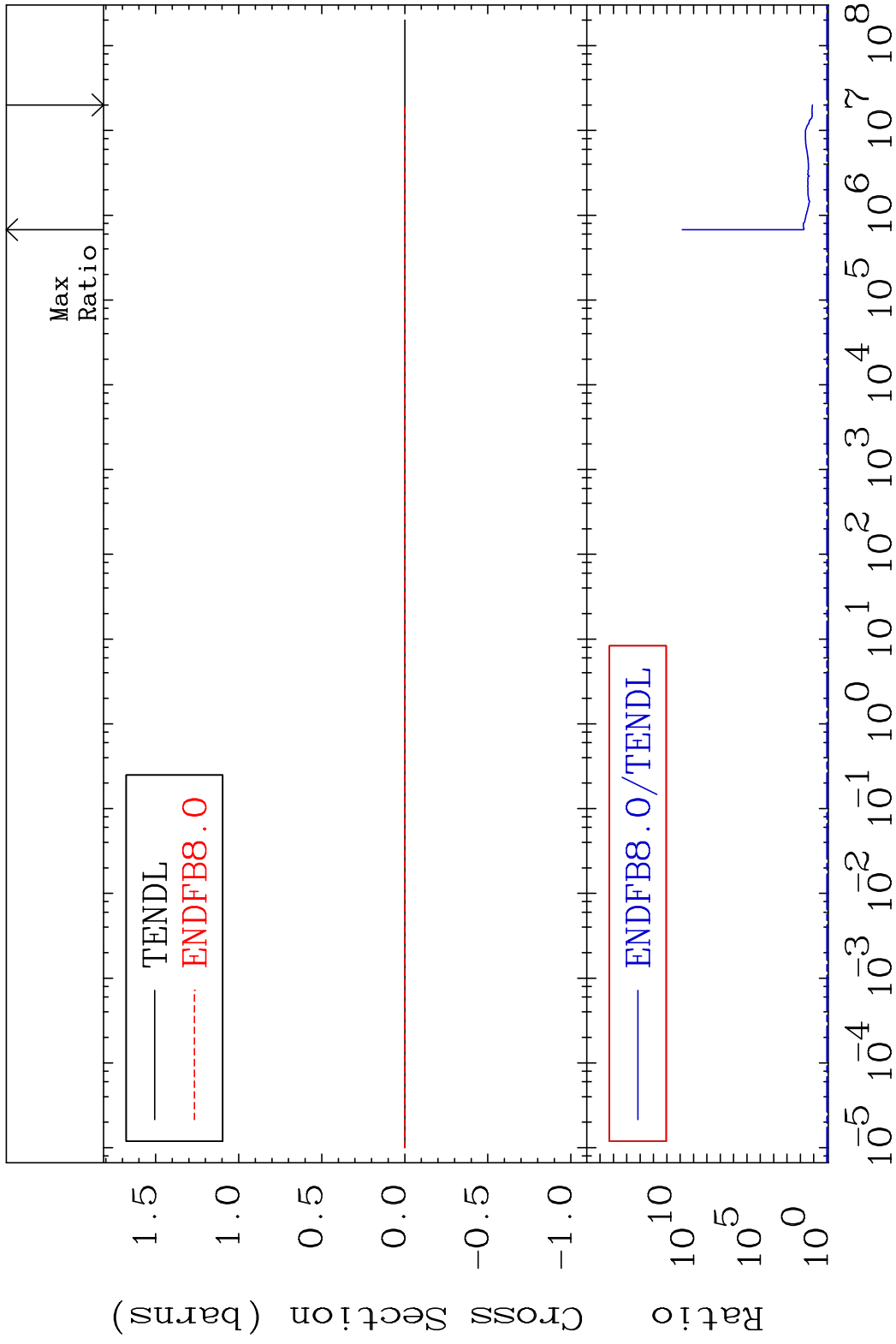
MAT 3443 Kerma non-elastic (all but mt2) 34-Se-80  
 Cross Section 753.8 To 9999. %



MAT 3443 Kerma inelastic (mt51-91) 34-Se-80  
 Cross Section 1148. To 9999. %

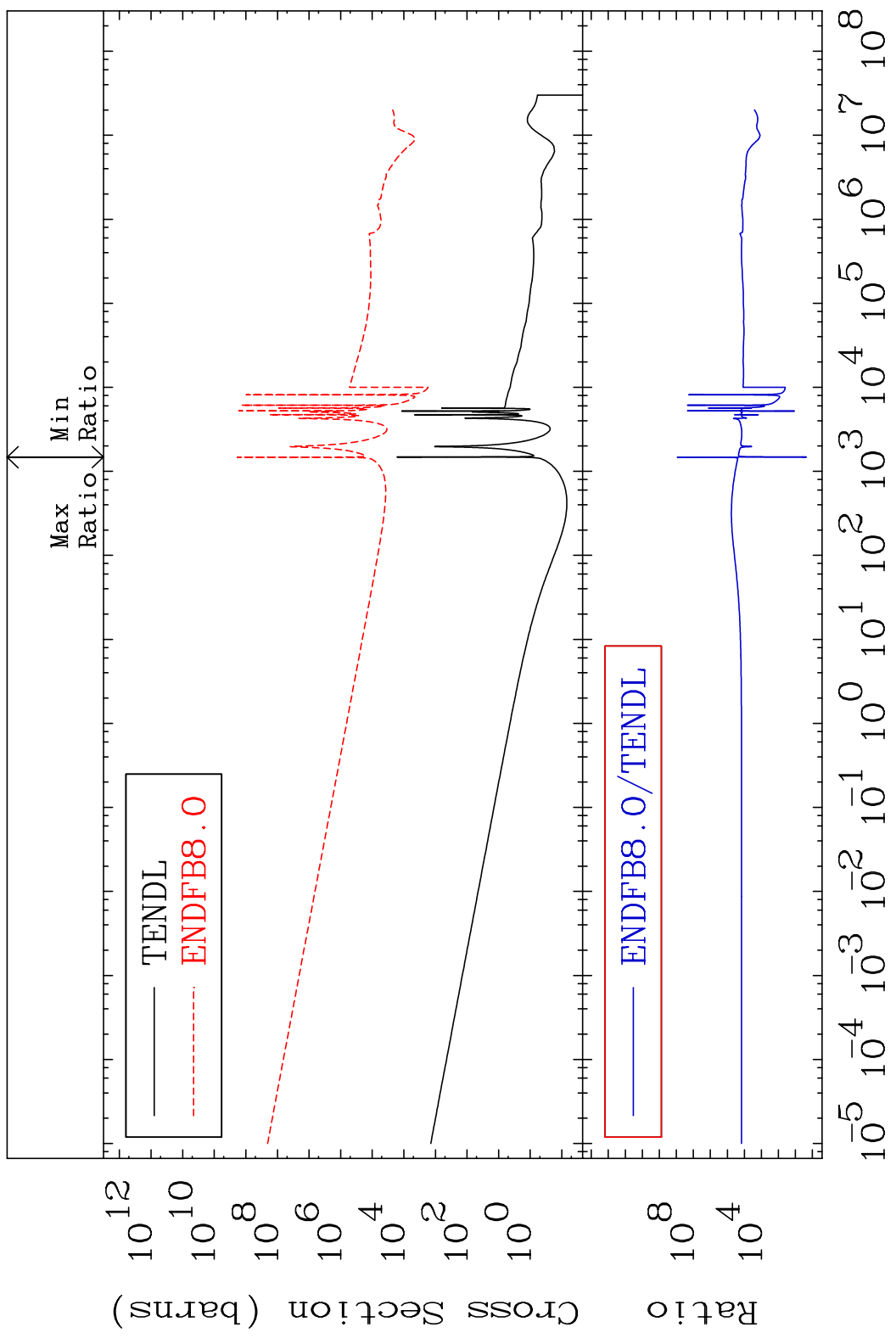


MAT 3443 Kerma fission (mt18 or mt19-20-21-38) 34-Se-80  
 Cross Section 1148. To 9999. %



MAT 3443

Kerma capture (mt102) 34-Se-80  
Cross Section 2152. To 9999. %

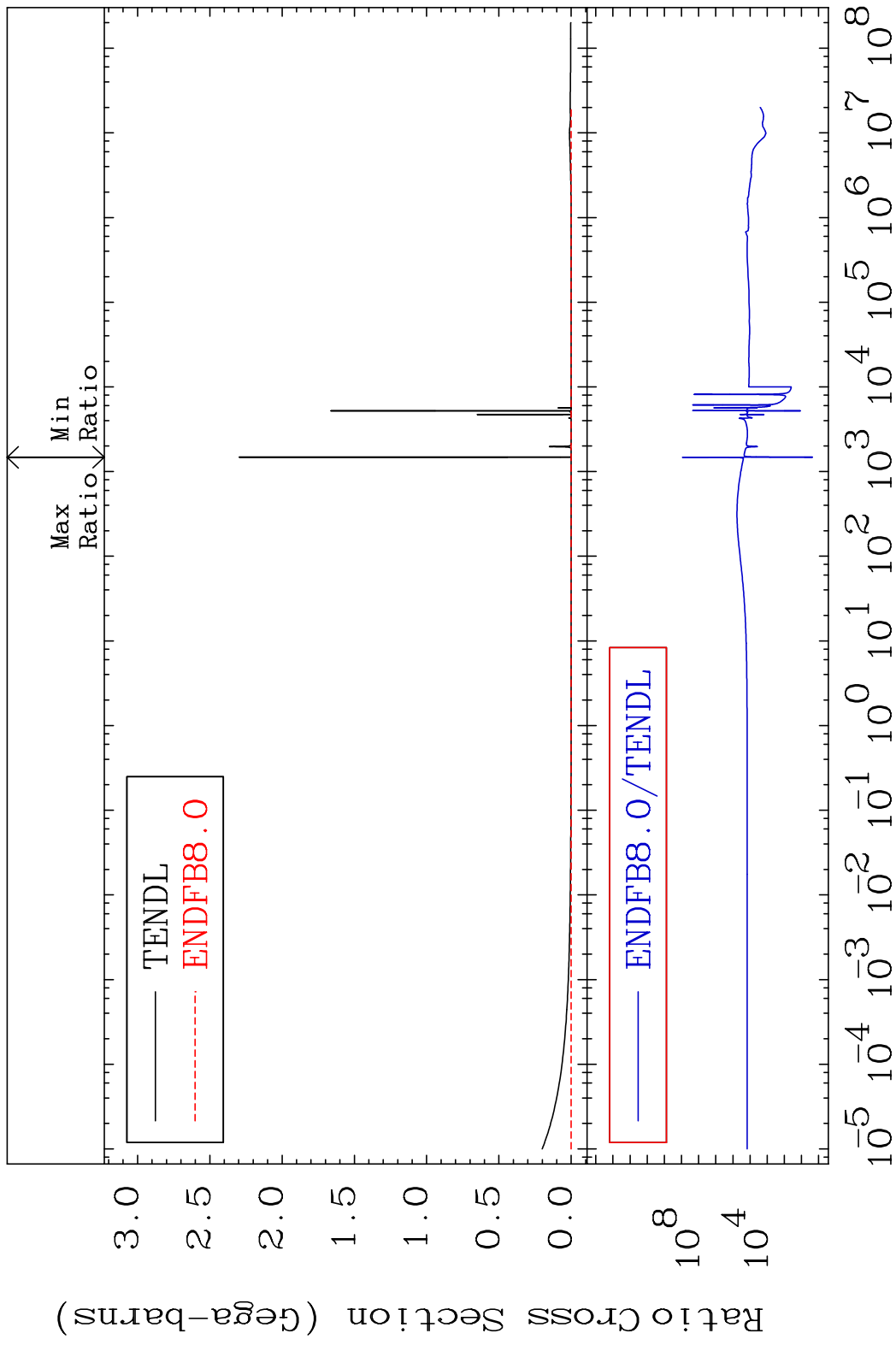


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Incident Energy (eV)

34-Se-80

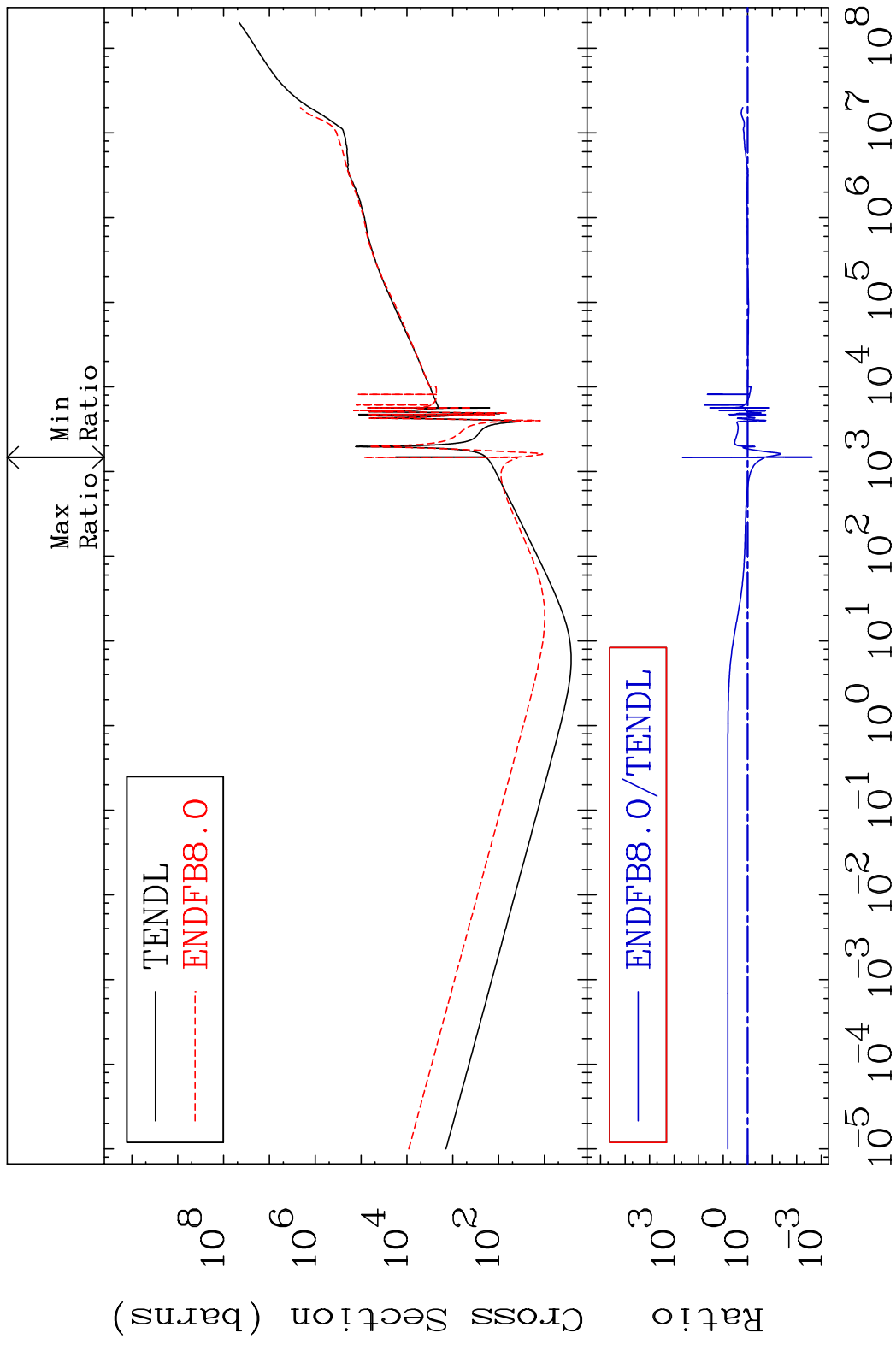
MAT 3443 Total photon (eV-barns) 34-Se-80  
 Cross Section 2152. To 9999. %



39 Incident Energy (eV) 34-Se-80

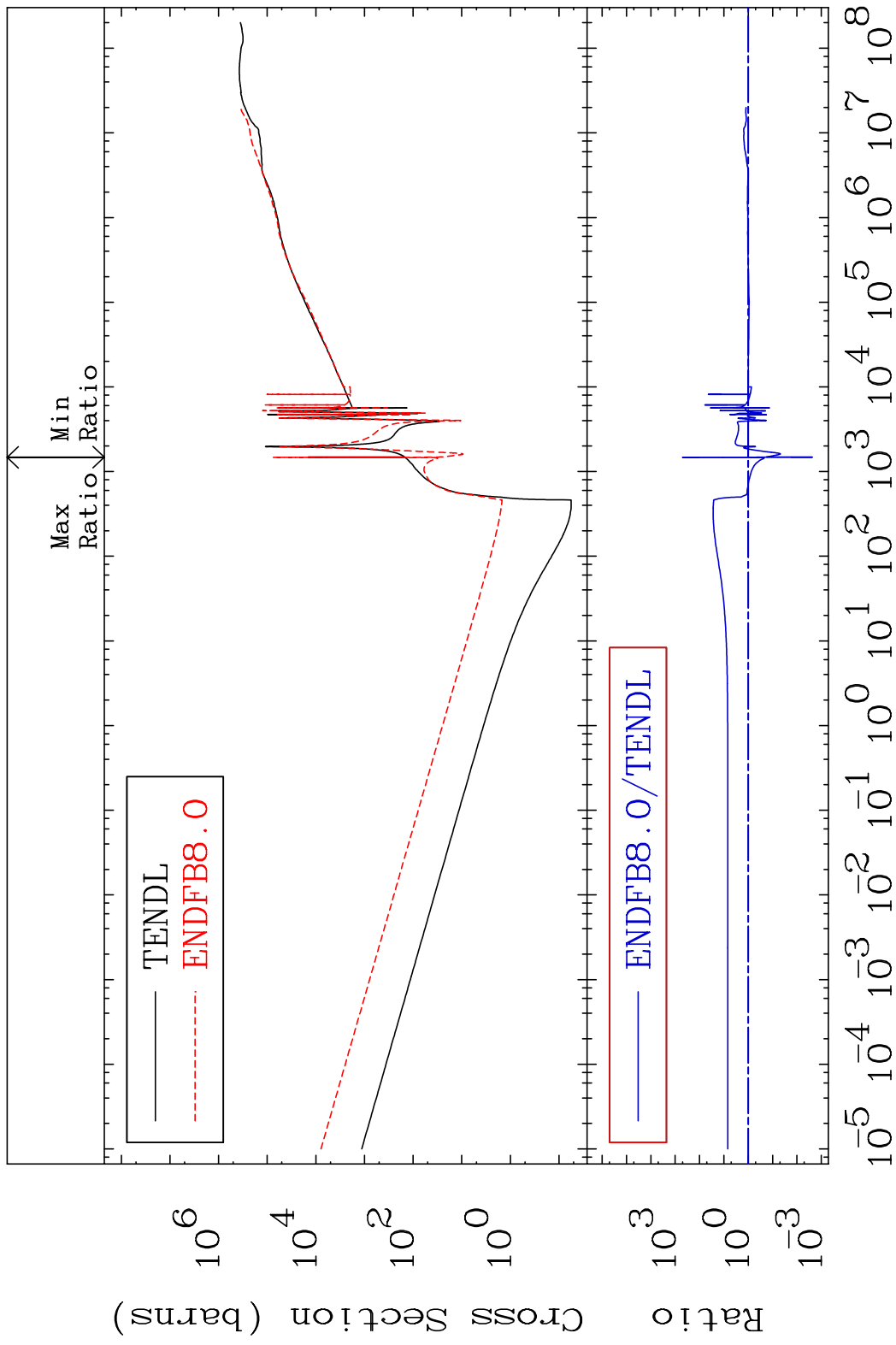


MAT 3443 Total kinematic kerma (high limit) 34-Se-80  
 Cross Section -99.77 To 9999. %



40 Incident Energy (eV) 34-Se-80

MAT 3443      Dpa total (eV-barns)      34-Se-80  
 Cross Section      -99.777 To 9999. %

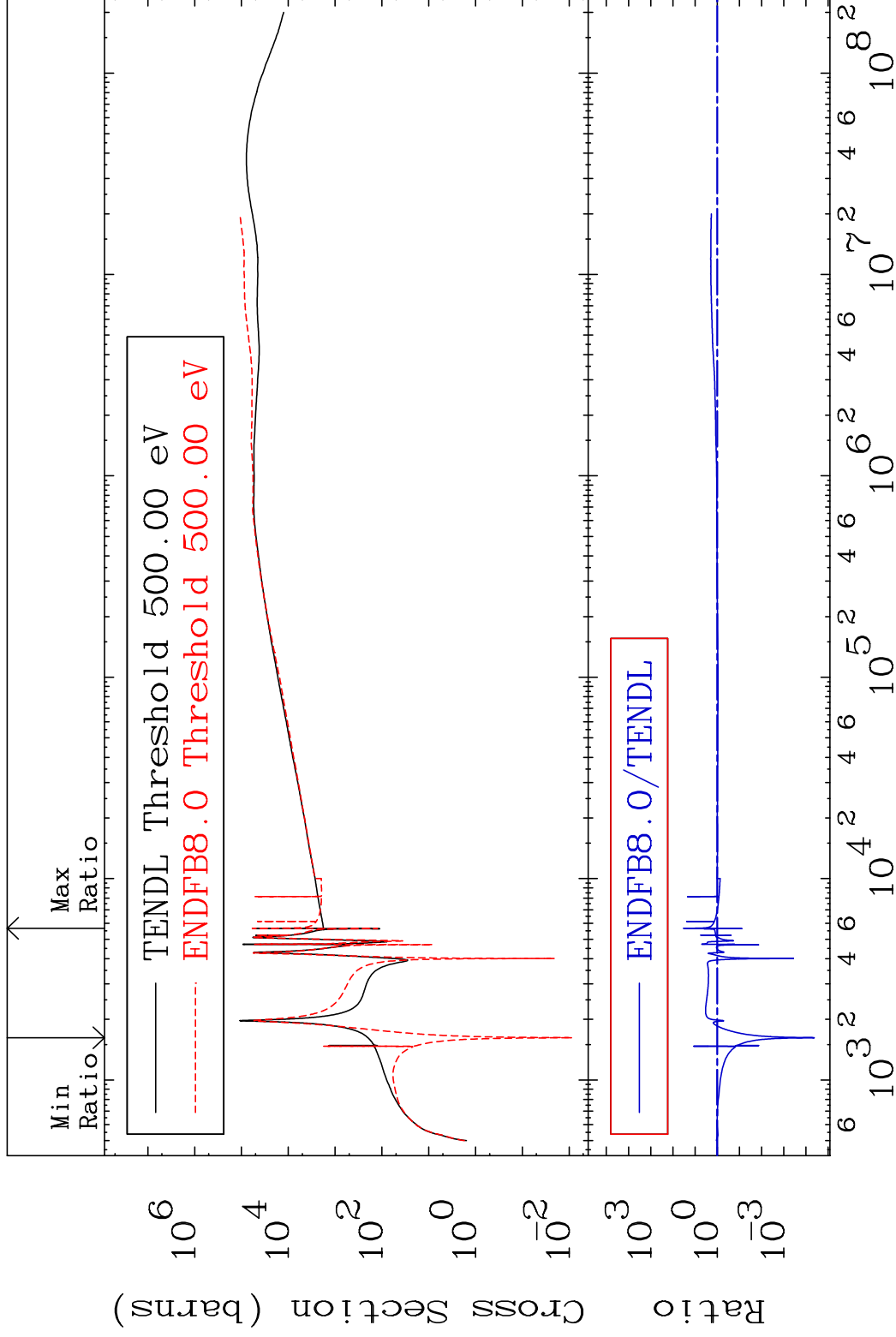


MAT 3443

Dpa elastic (mt2)

34-Se-80

Cross Section -100.0 To 3170. %

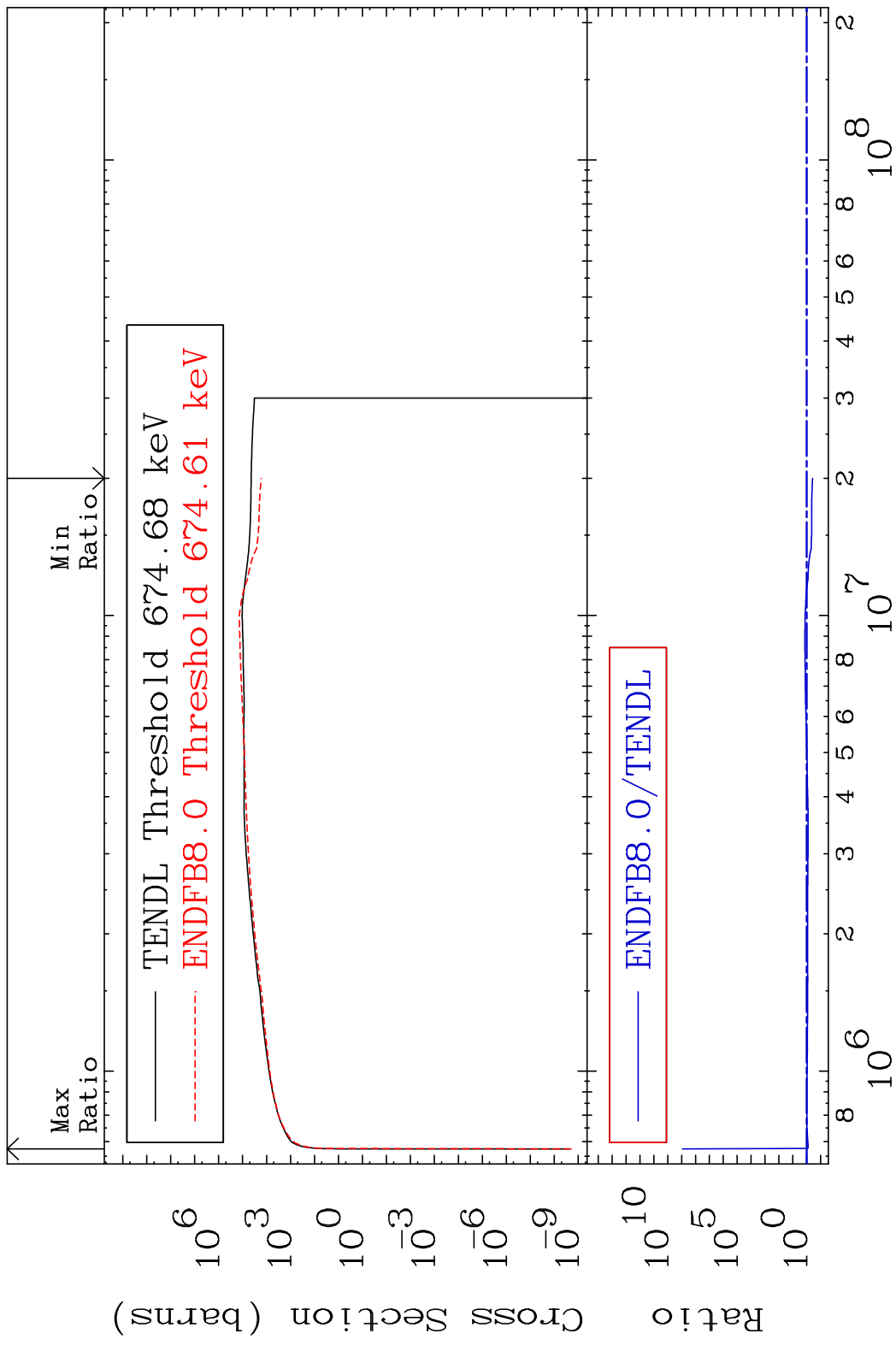


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Incident Energy (eV)

34-Se-80

MAT 3443 Dpa inelastic (mt51-91) 34-Se-80  
 Cross Section -62.14 To 9999. %



MAT 3443 Dpa disappearance (mt102 -120) 34-Se-80  
 Cross Section -99.89 To 9999. %

