

Program Complot  
(Version 2021-1)

by

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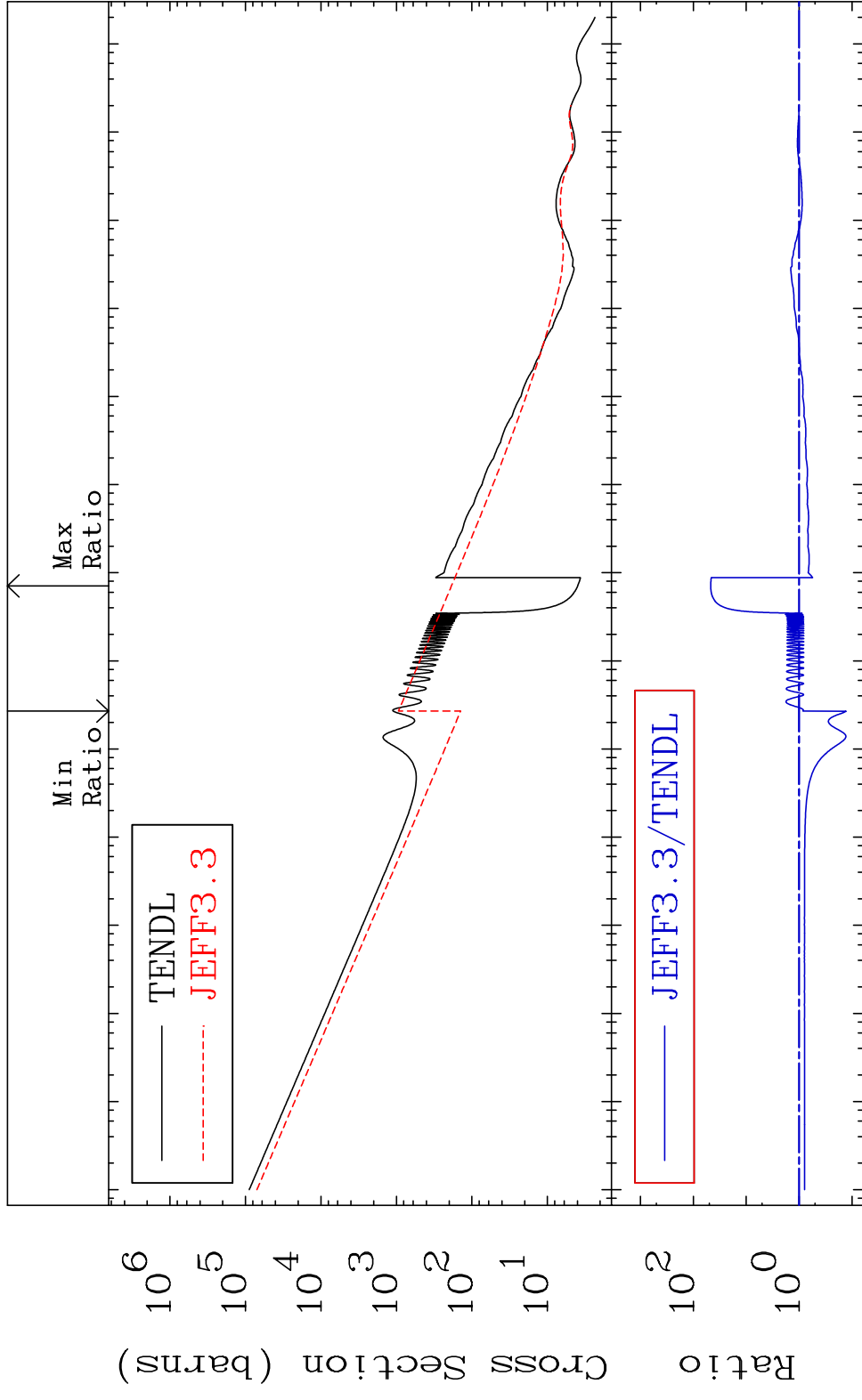
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6155

Total  
Cross Section -87.21 To 4602. %

61-Pm-149



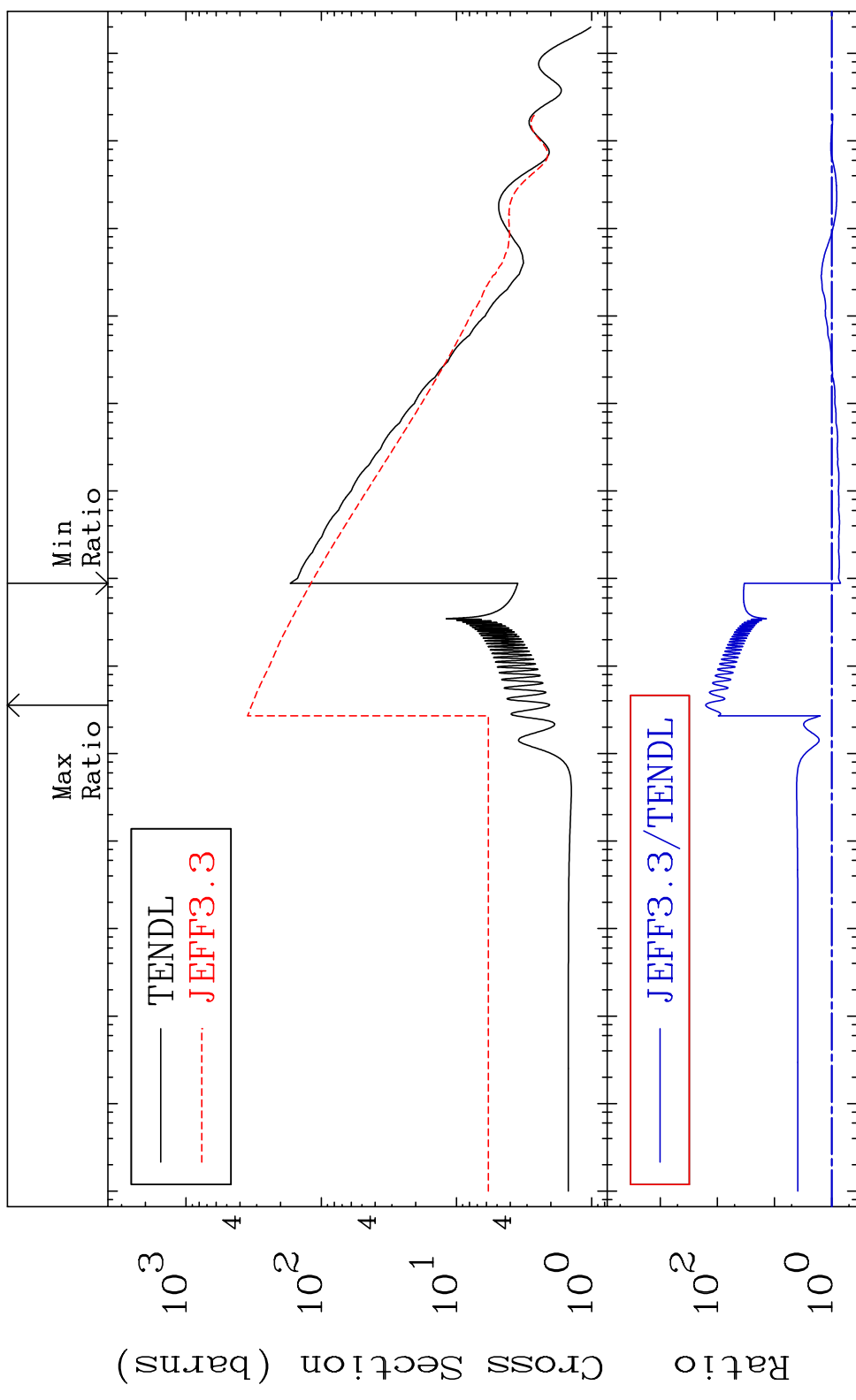
10<sup>6</sup>  
10<sup>5</sup>  
10<sup>4</sup>  
10<sup>3</sup>  
10<sup>2</sup>  
10<sup>1</sup>  
10<sup>2</sup>  
10<sup>0</sup>  
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup>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

1 Incident Energy (eV) 61-Pm-149

MAT 6155

Elastic Cross Section -29.63 To 9999. %

61-Pm-149

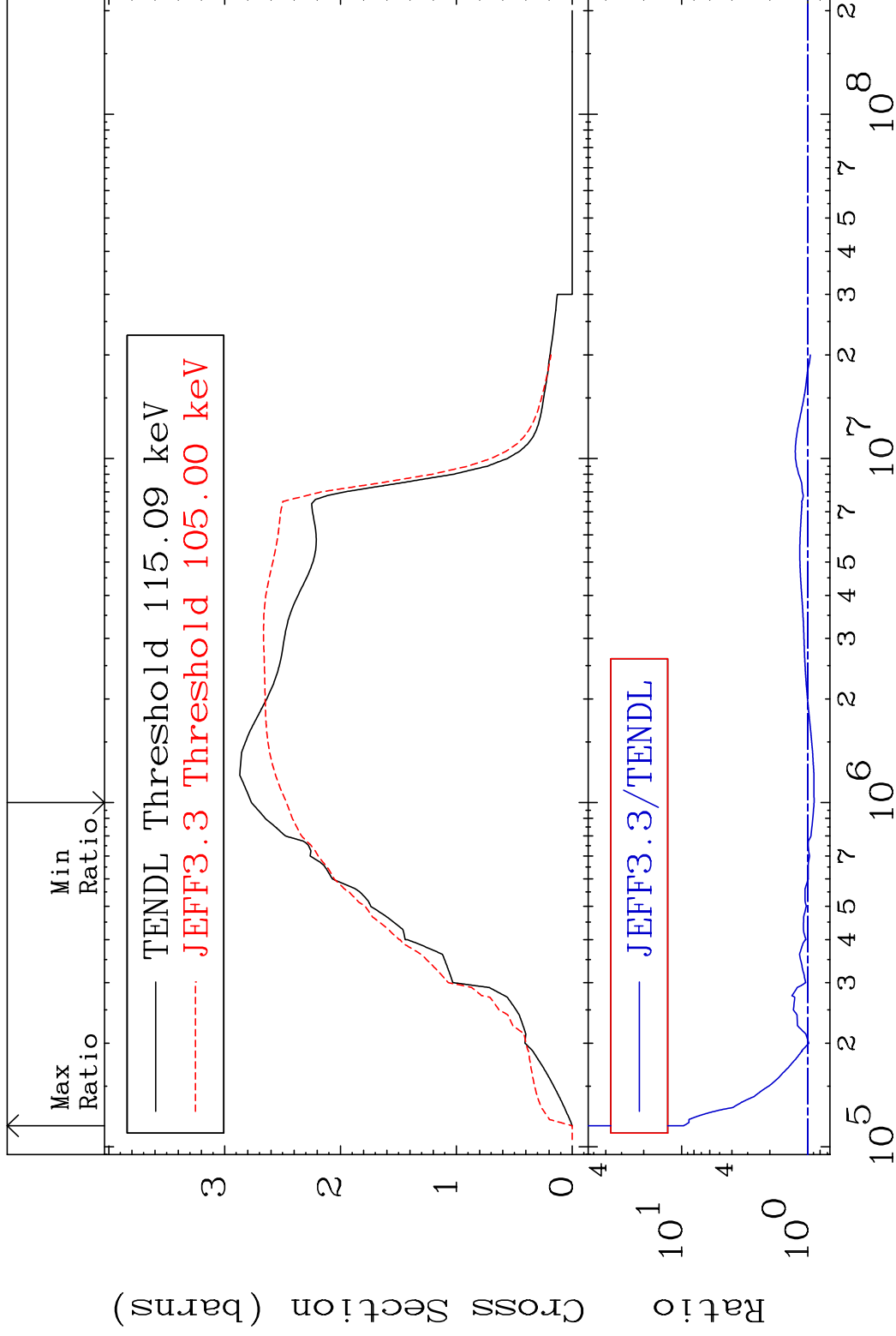


MAT 6155

Inelastic

61-Pm-149

Cross Section -10.92 To 864.8 %



3

Incident Energy (eV)

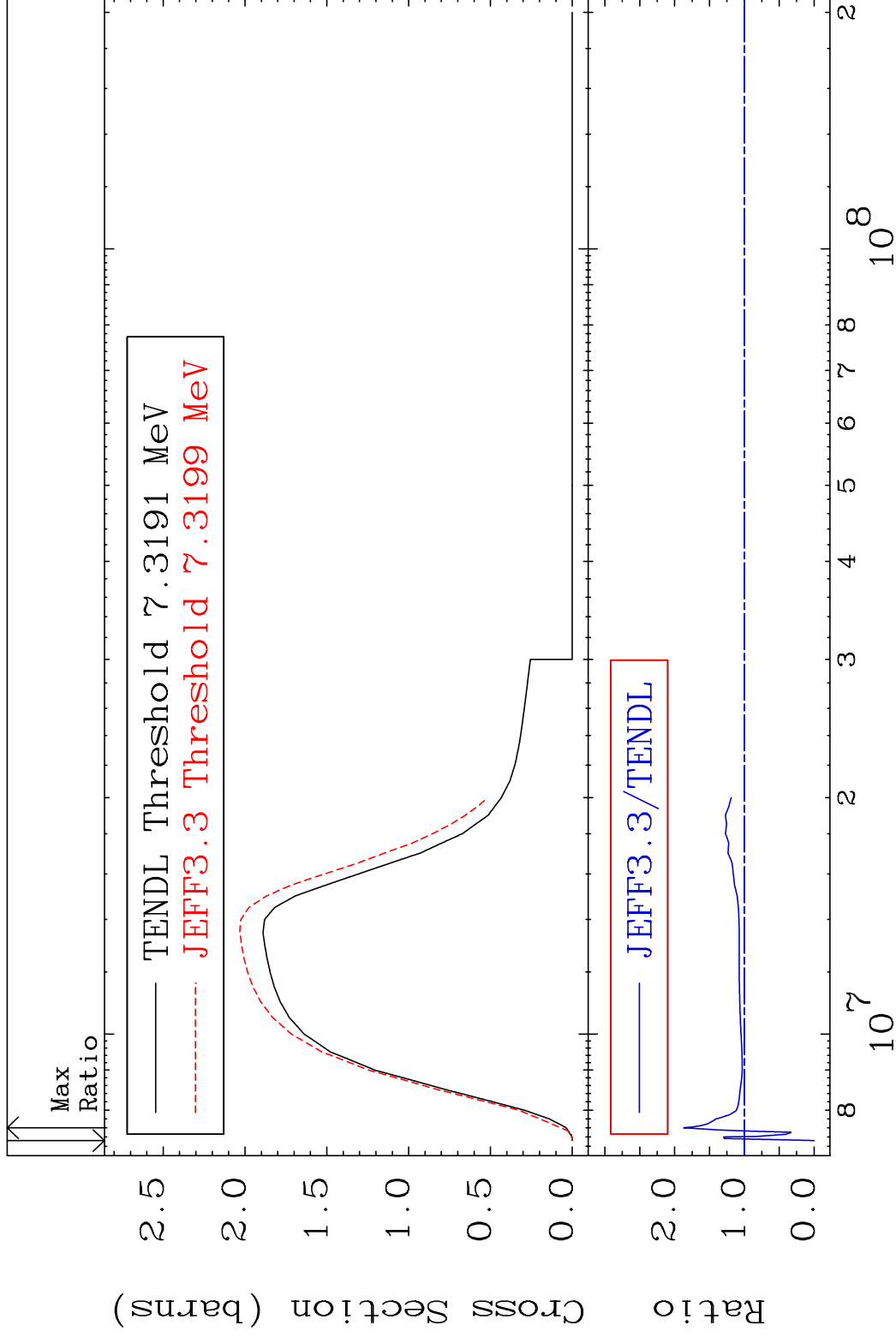
61-Pm-149

MAT 6155

(n,2n)

61-Pm-149

Cross Section -100.0 To 87.07 %



4

Incident Energy (eV)

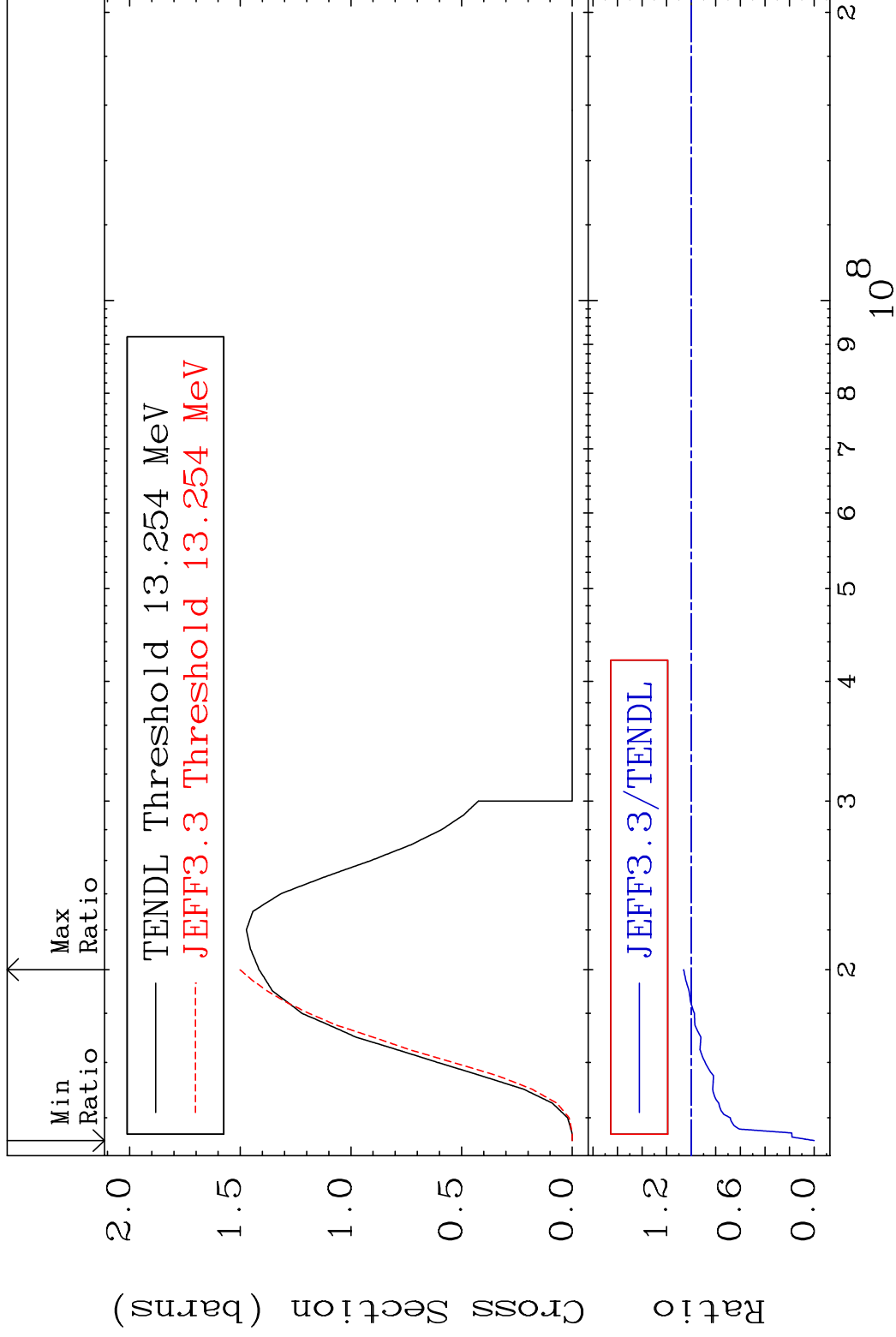
61-Pm-149

MAT 6155

(n,3n)

61-Pm-149

Cross Section -100.0 To 6.139 %



5

Incident Energy (eV)

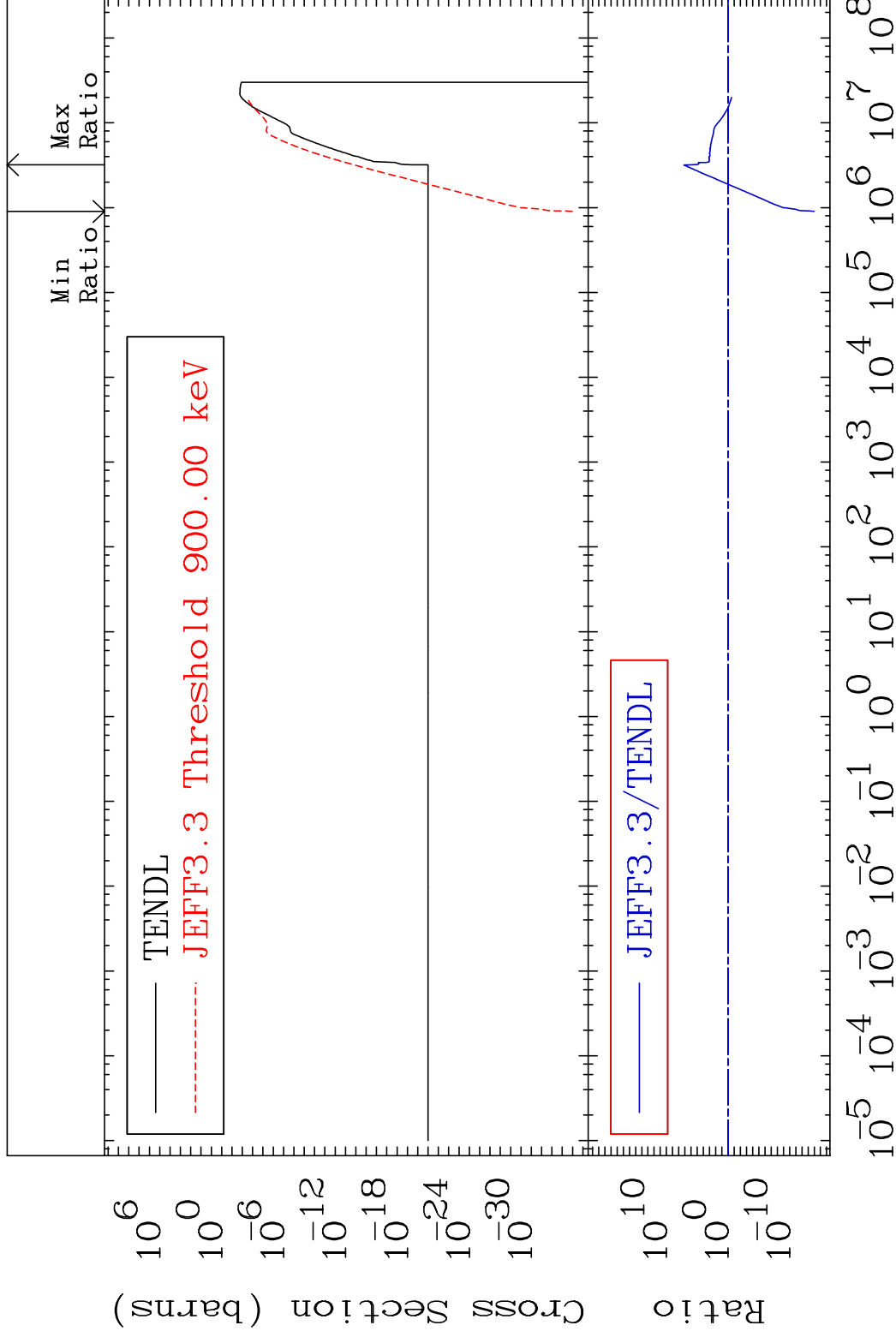
61-Pm-149

MAT 6155

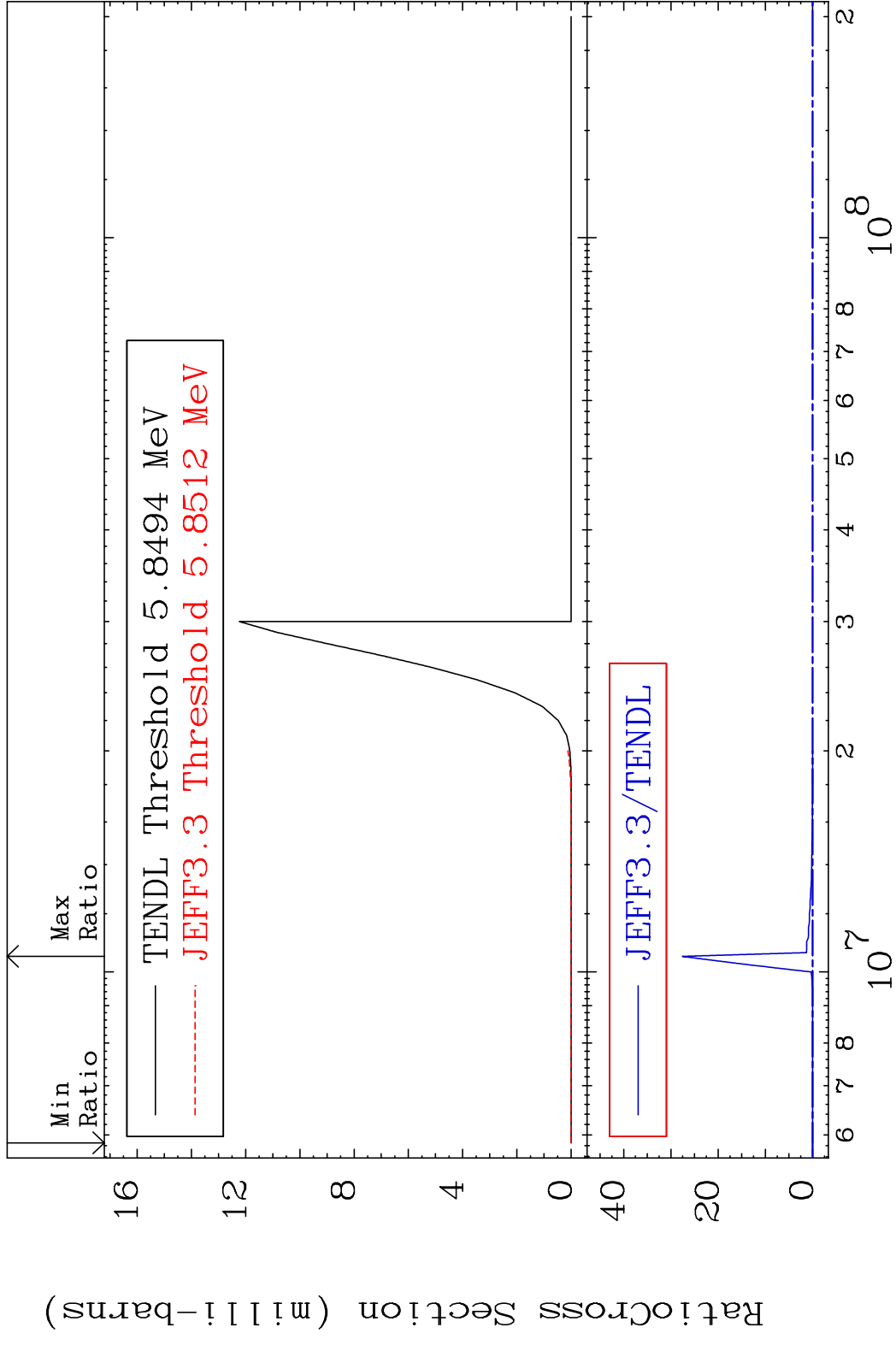
(n, n')  $\alpha$

61-Pm-149

Cross Section -100.0 To 9999. %



MAT 6155 (n,2n)  $\alpha$  61-Pm-149  
 Cross Section -100.0 To 9999. %



7 6 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2 61-Pm-149

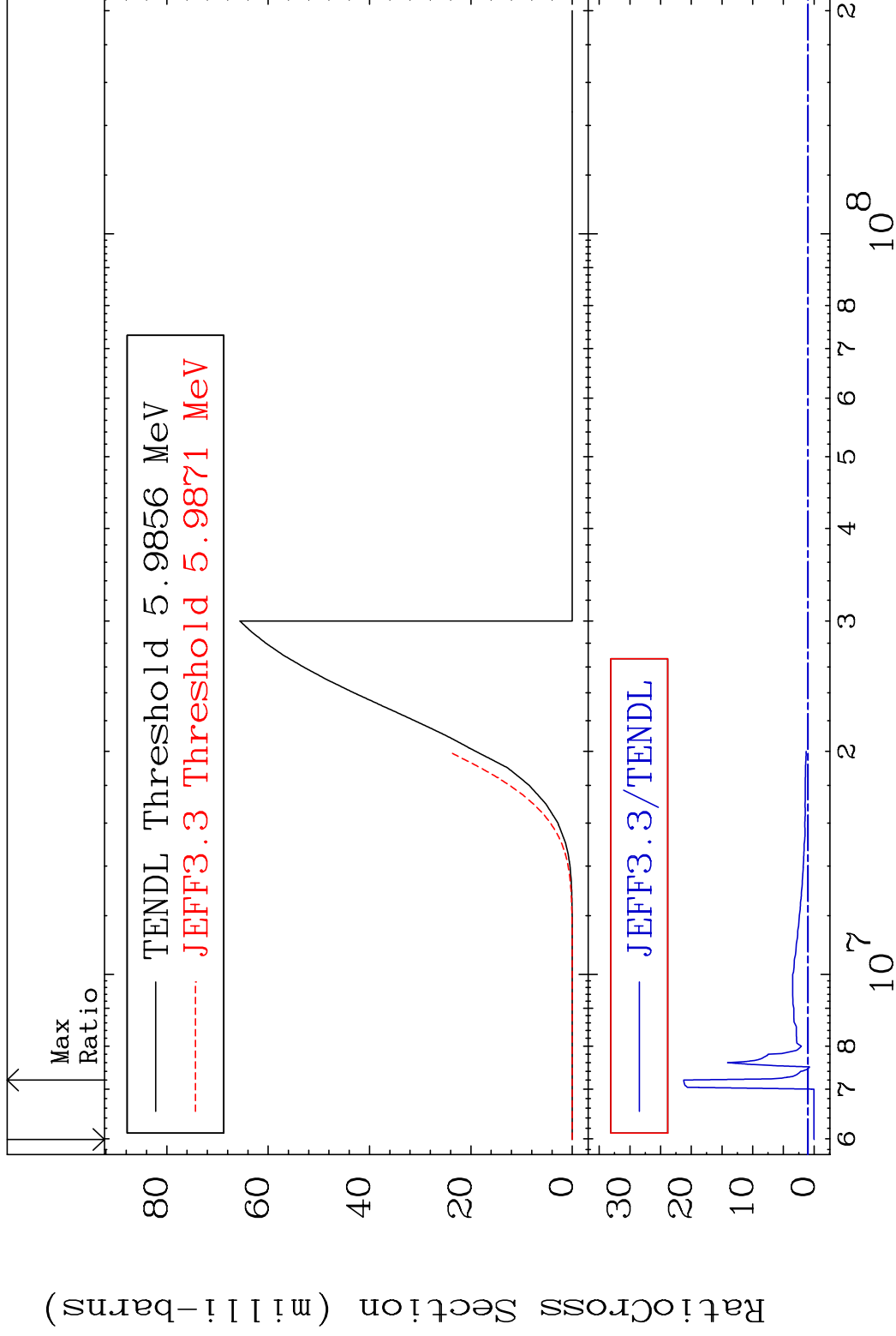


MAT 6155

(n, n') p

61-Pm-149

Cross Section -100.0 To 2024. %



8

Incident Energy (eV)

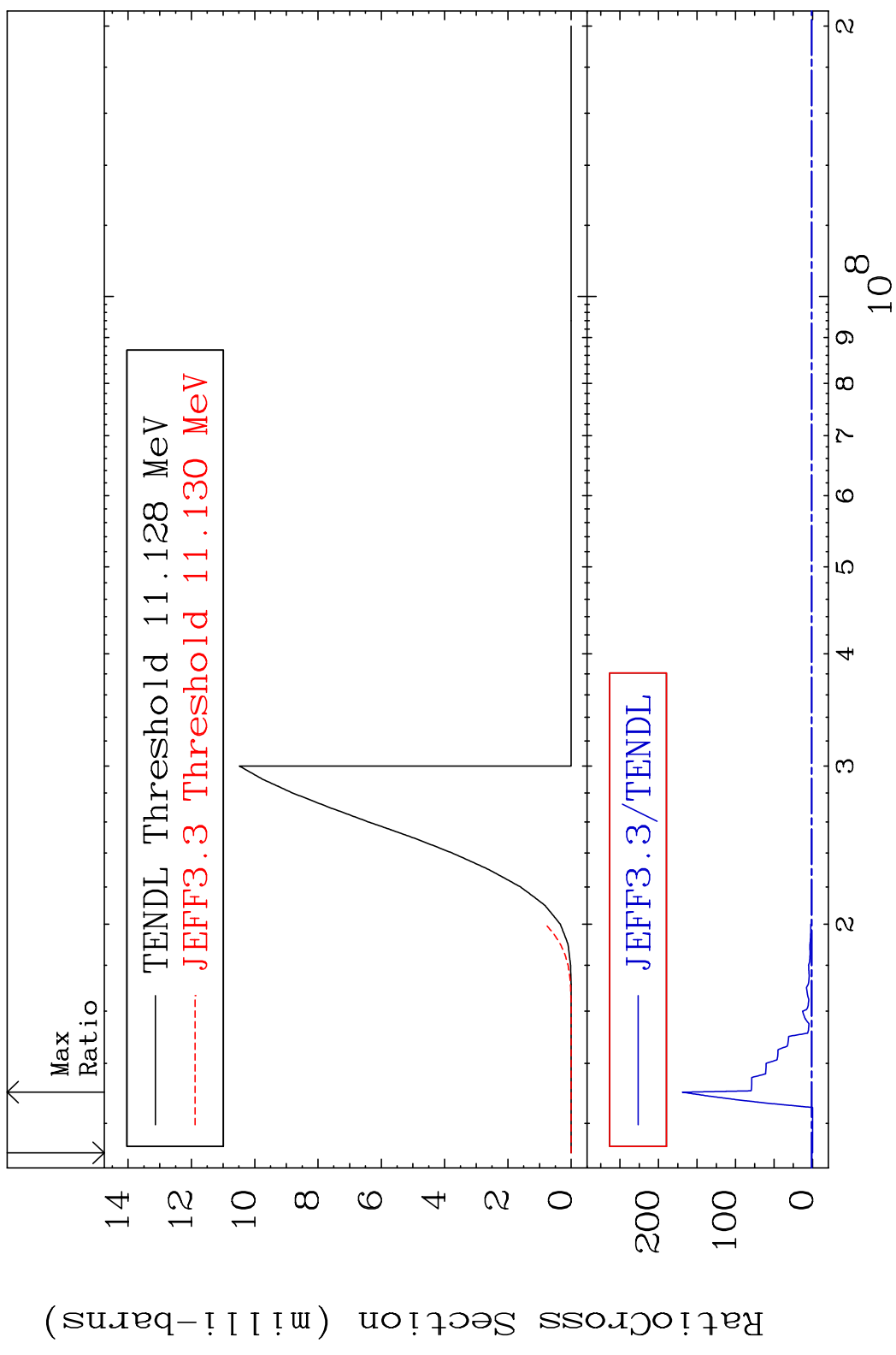
61-Pm-149

MAT 6155

(n, n') d

61-Pm-149

Cross Section -100.0 To 9999. %

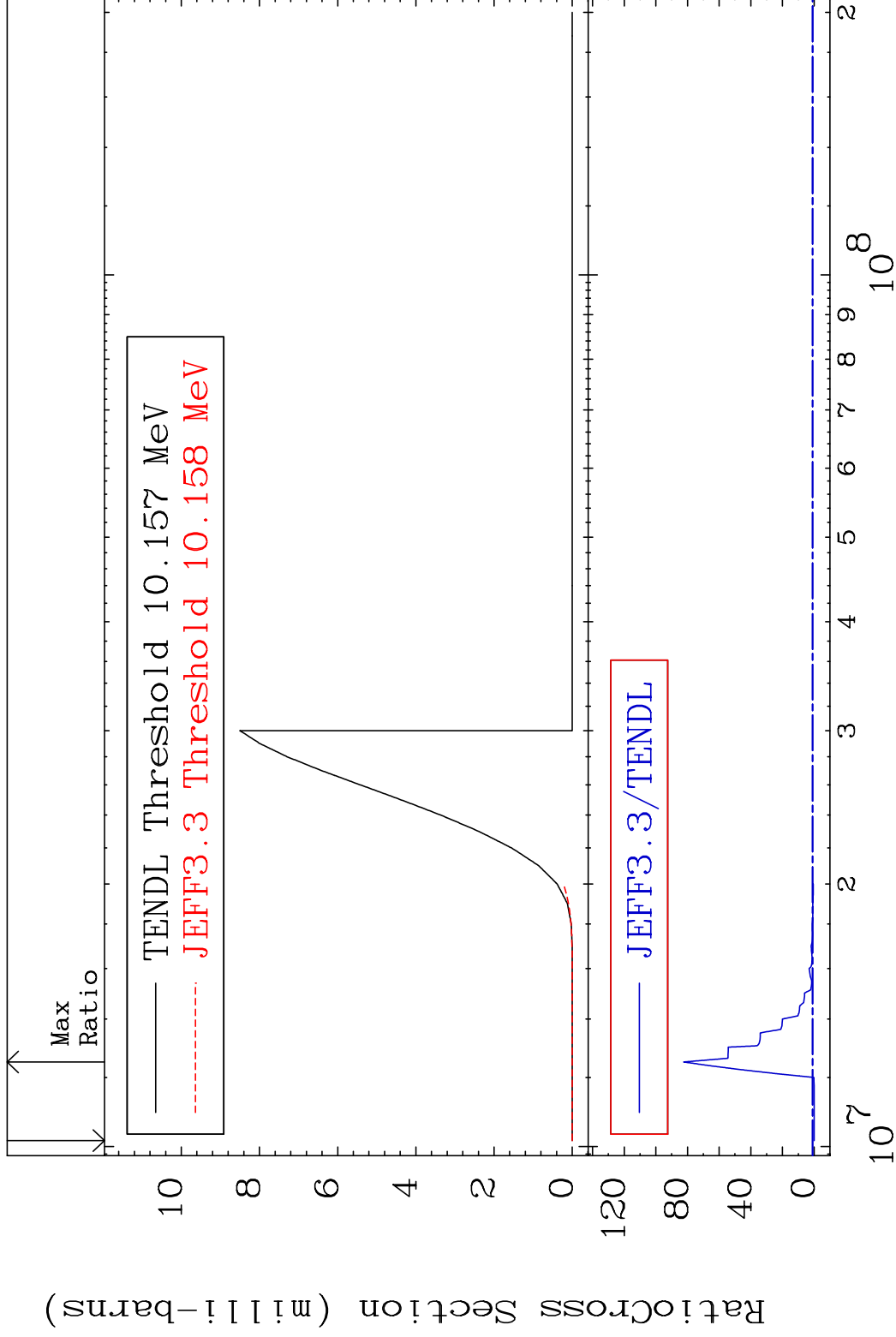


MAT 6155

(n, n') t

61-Pm-149

Cross Section -100.0 To 8142. %

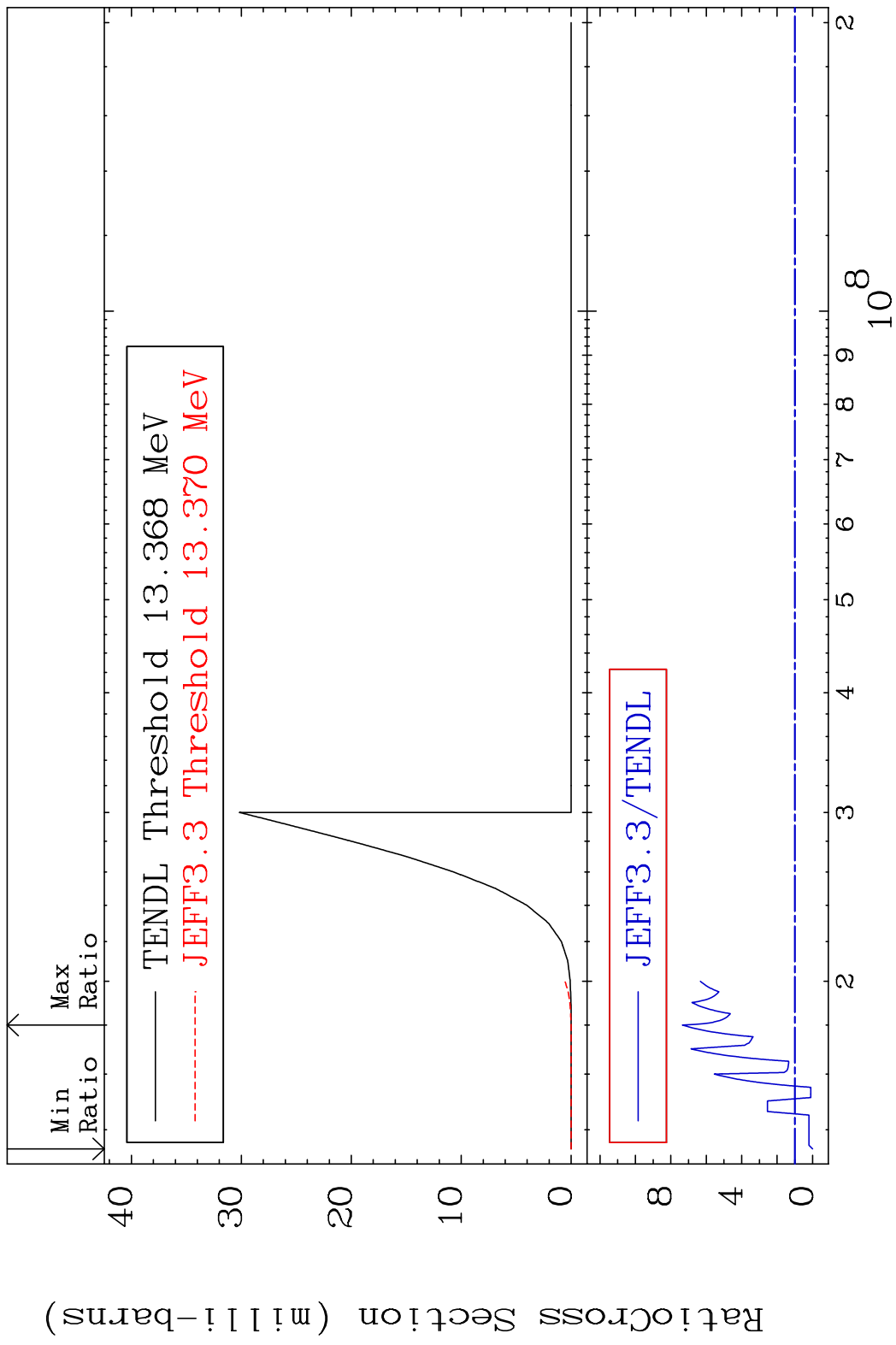


10

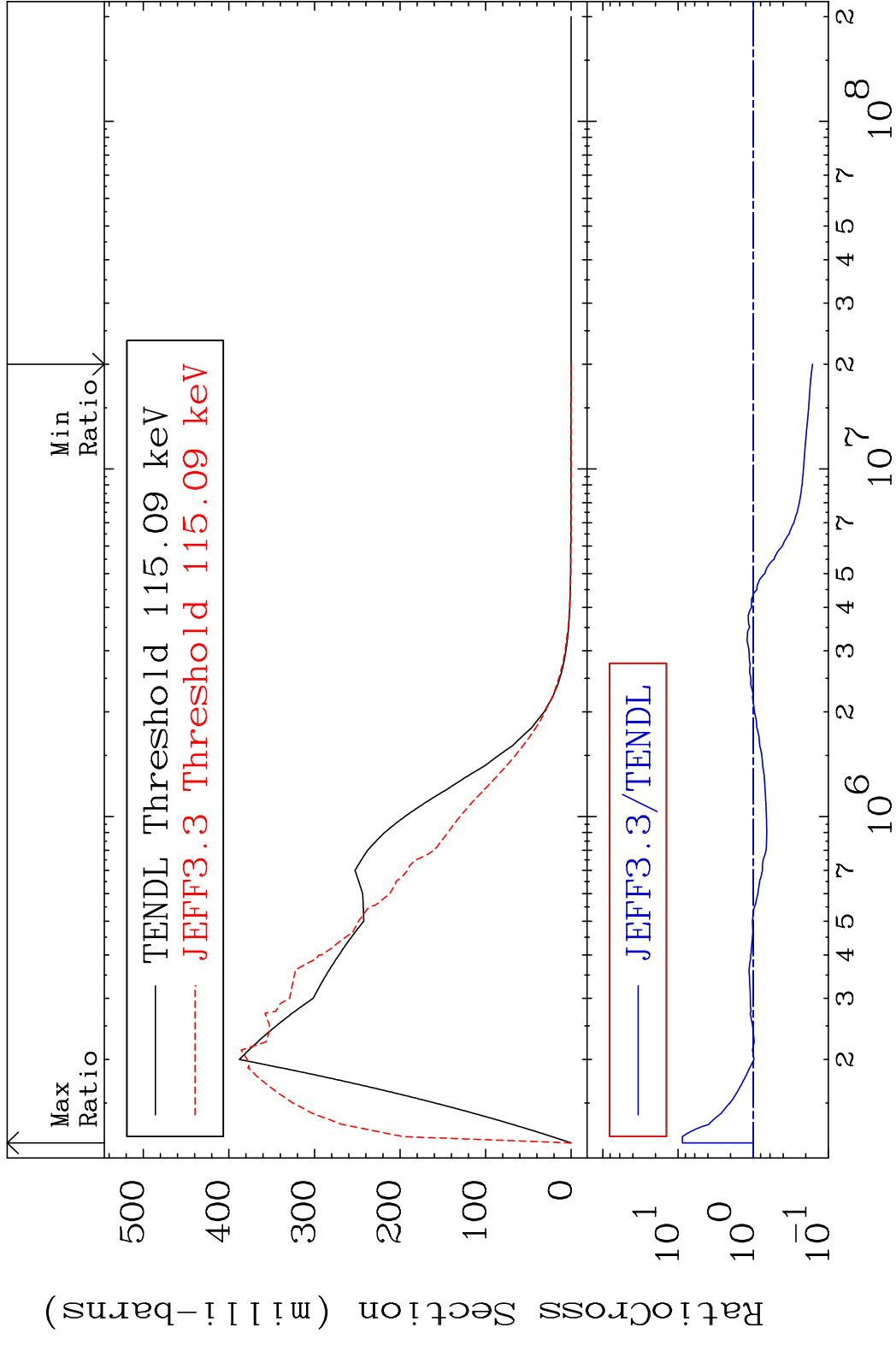
Incident Energy (eV)

61-Pm-149

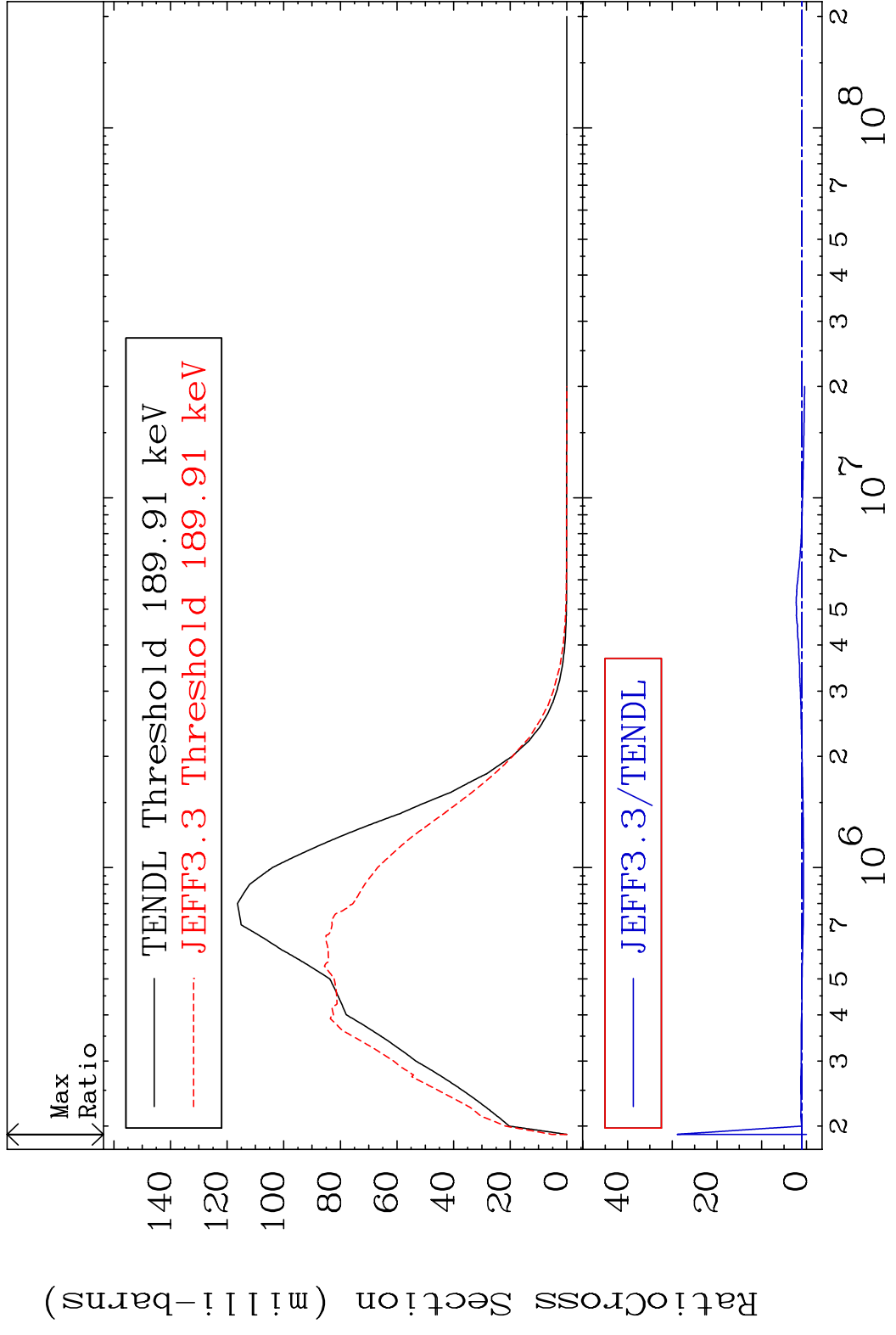
MAT 6155 (n,2n) p 61-Pm-149  
 Cross Section -100.0 To 635.1 %



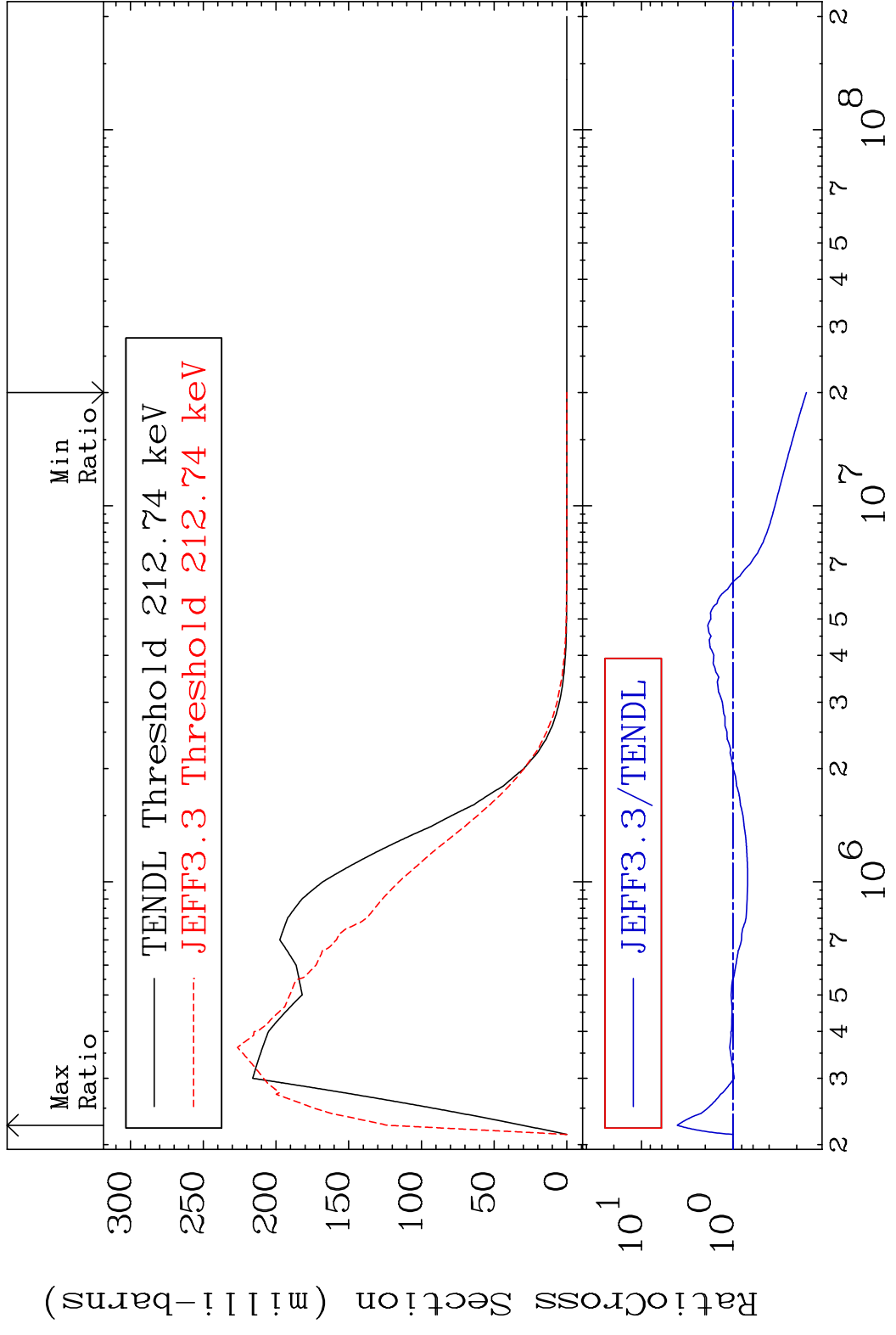
MAT 6155 MT= 51 (n, n') Level 61-Pm-149  
 Cross Section -83.75 To 777.1 %



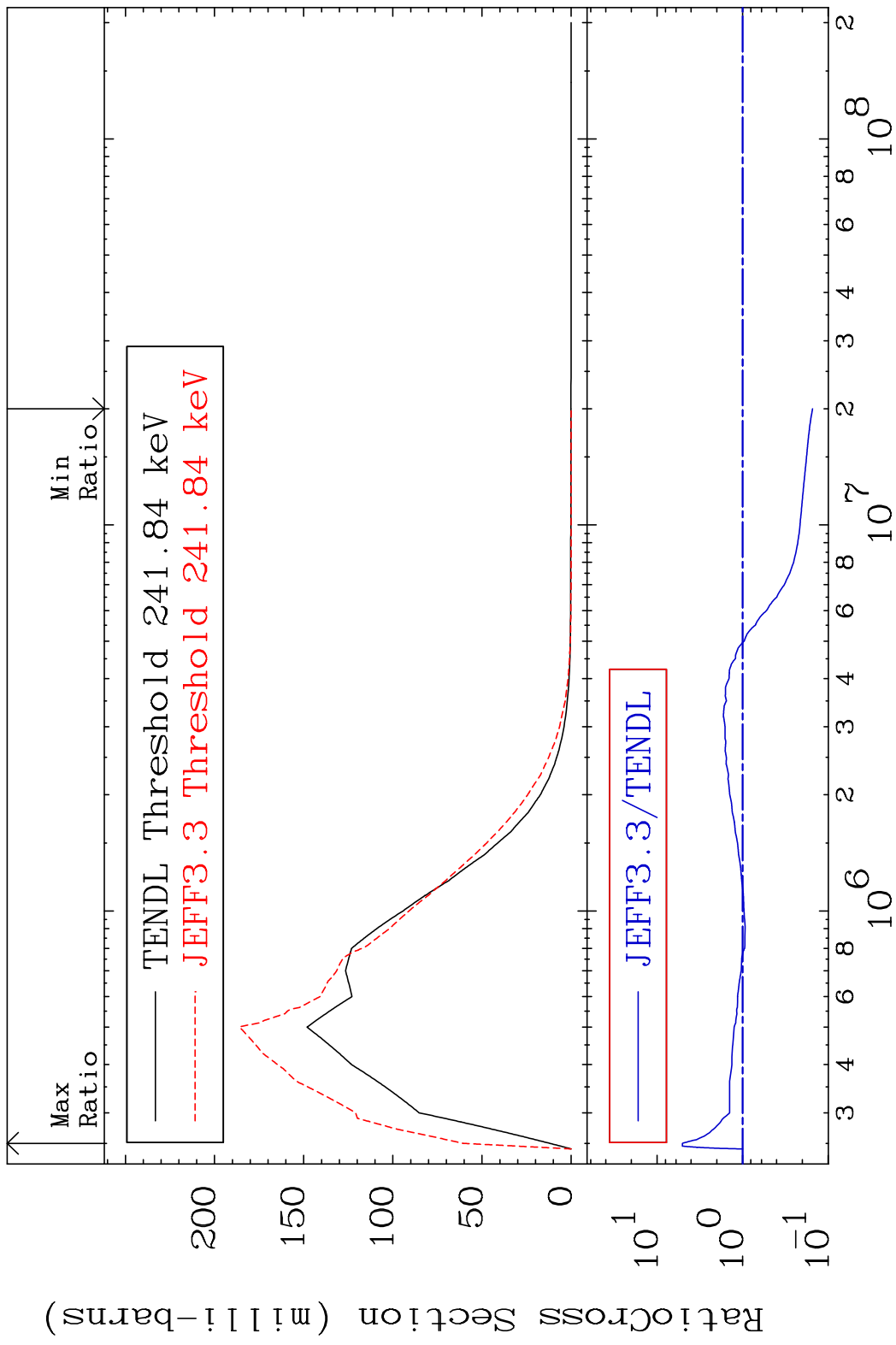
MAT 6155 MT= 52 (n,n') Level 61-Pm-149  
 Cross Section -100.0 To 2790. %



MAT 6155 MT= 53 (n, n') Level 61-Pm-149  
 Cross Section -84.33 To 306.3 %

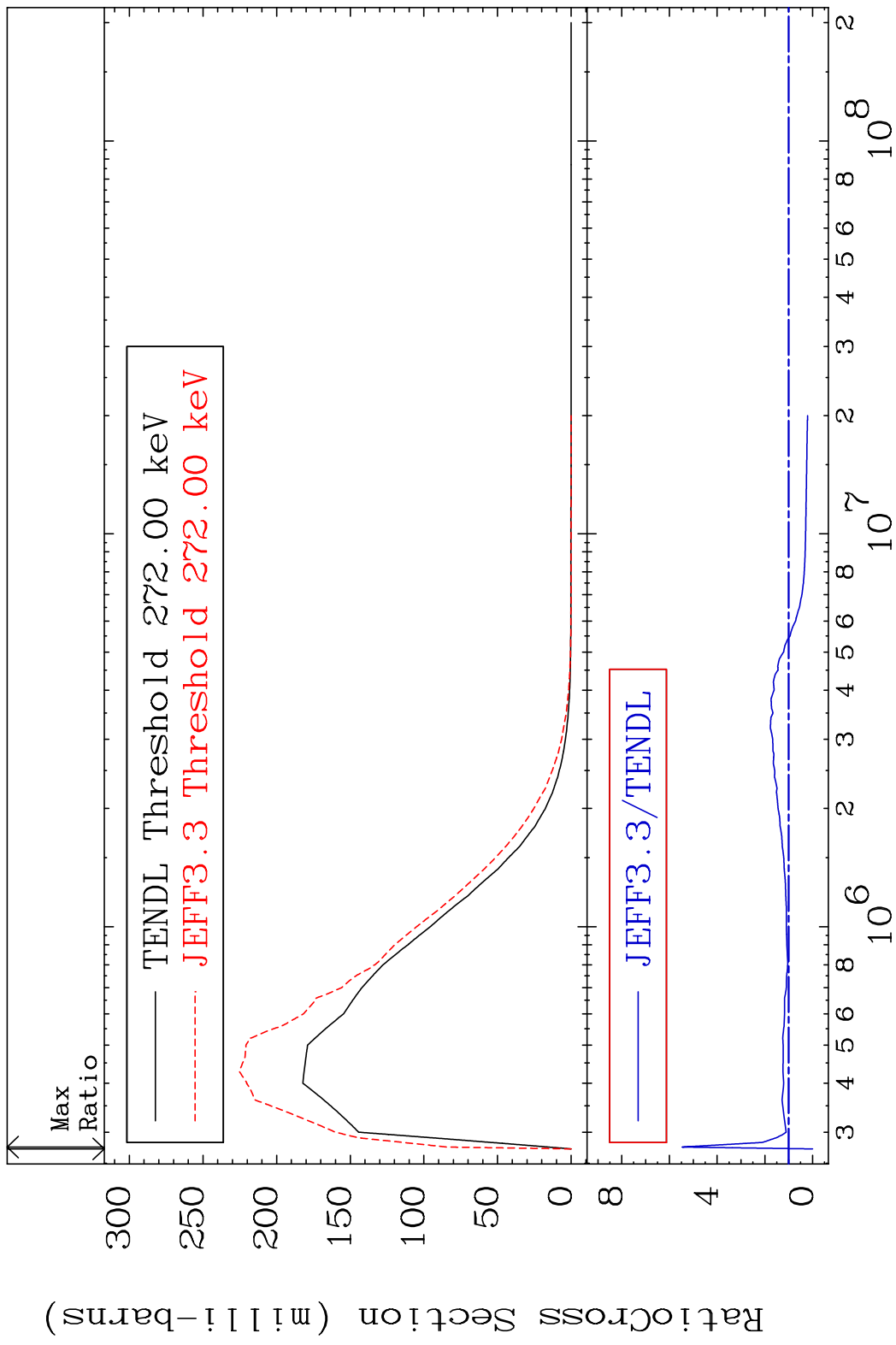


MAT 6155 MT= 54 (n, n') Level 61-Pm-149  
 Cross Section -84.81 To 407.0 %

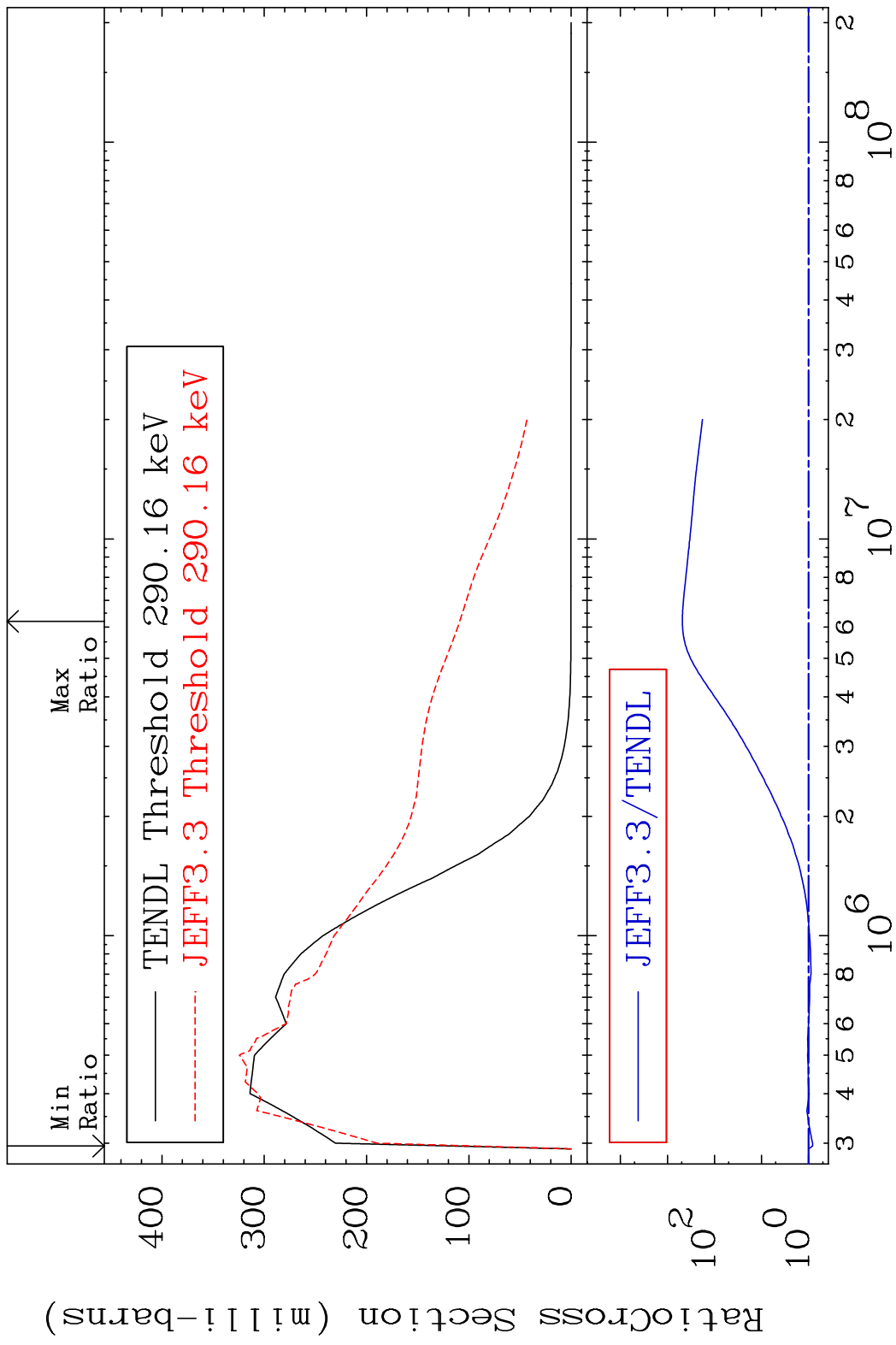




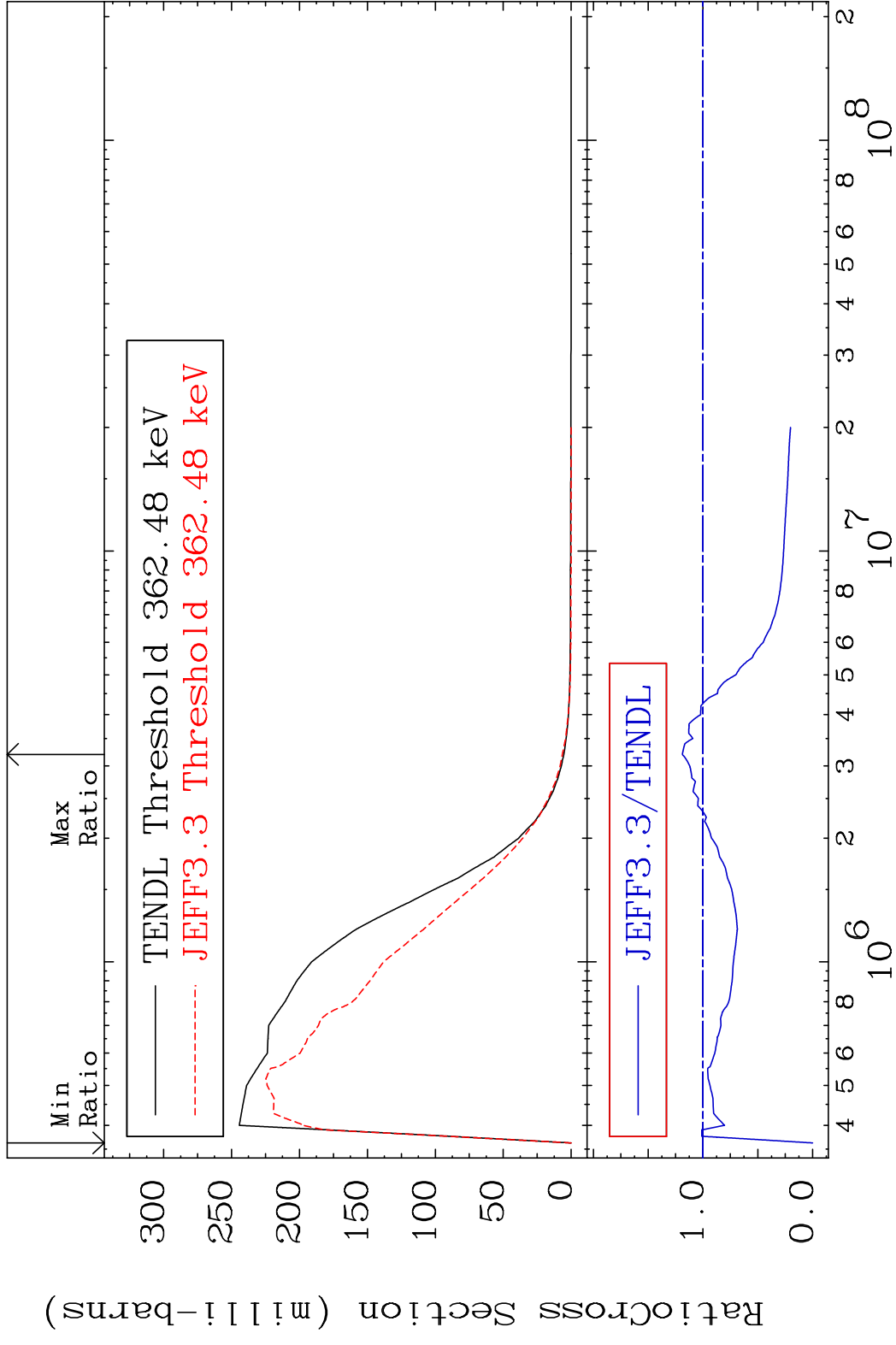
MAT 6155 MT= 55 (n, n') Level 61-Pm-149  
 Cross Section -100.0 To 445.9 %



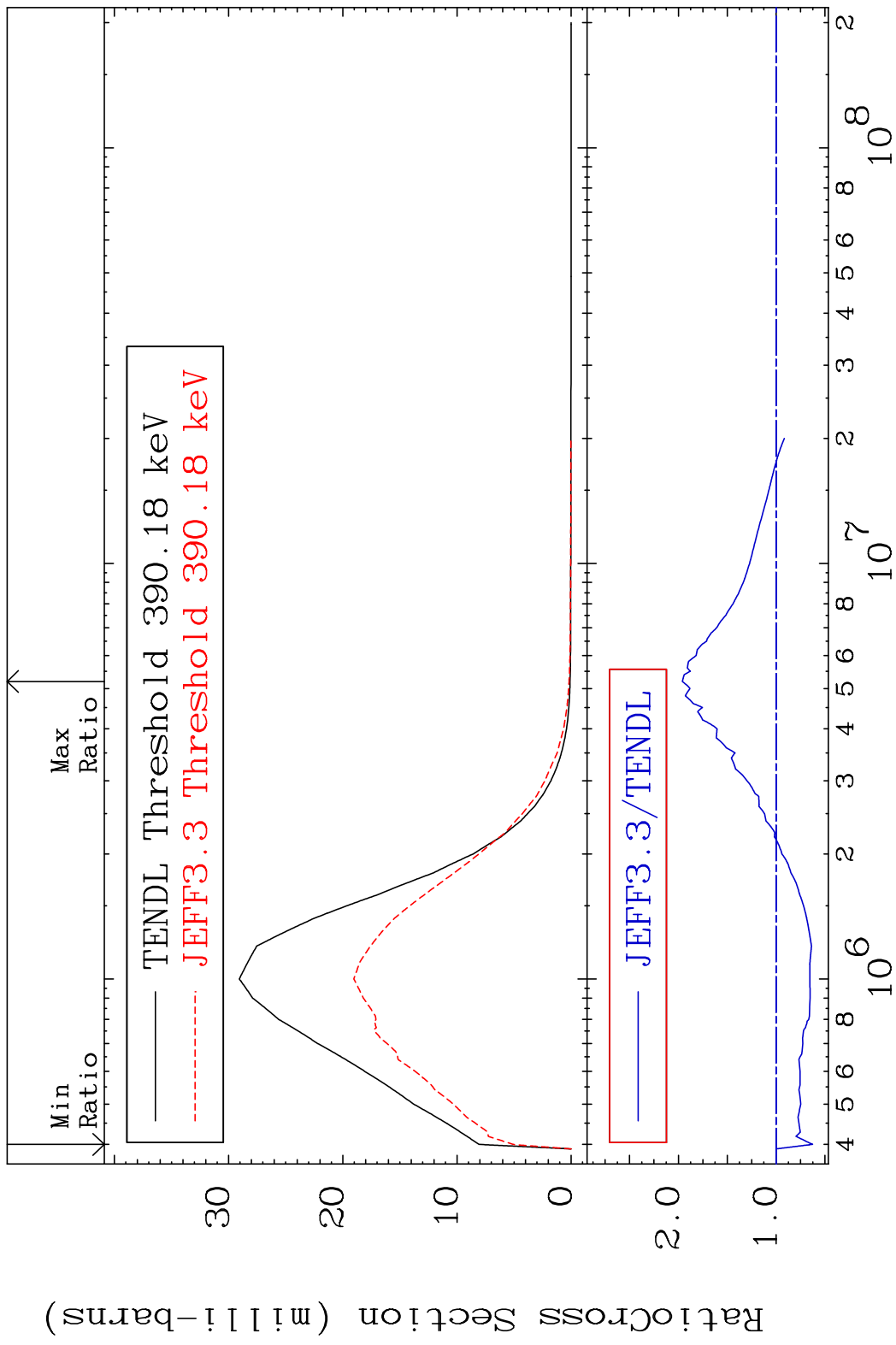
MAT 6155 MT= 56 (n, n') Level 61-Pm-149  
 Cross Section -17.56 To 9999. %



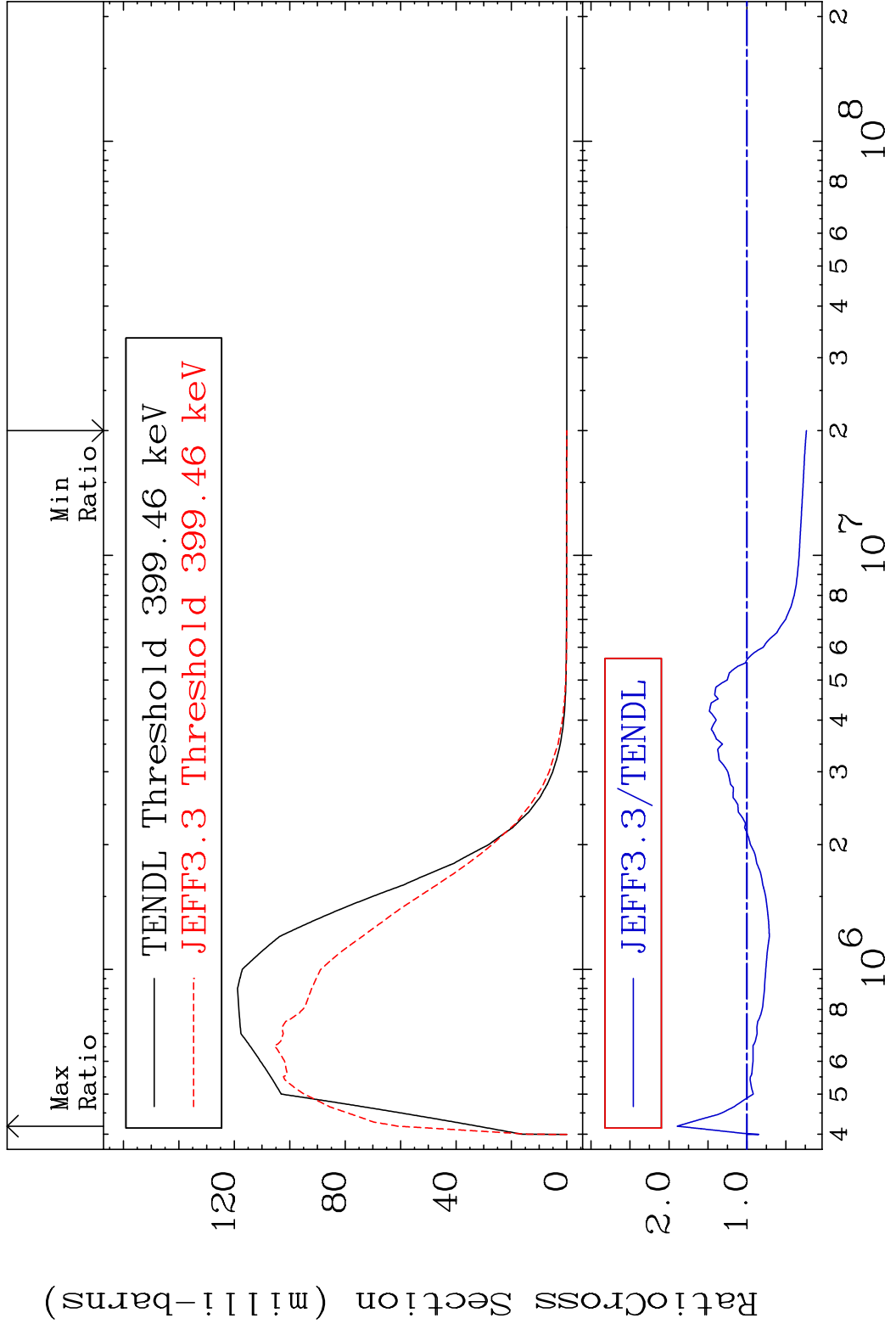
MAT 6155 MT= 57 (n, n') Level 61-Pm-149  
 Cross Section -100.0 To 18.81 %



MAT 6155 MT= 58 (n, n') Level 61-Pm-149  
 Cross Section -37.27 To 95.96 %

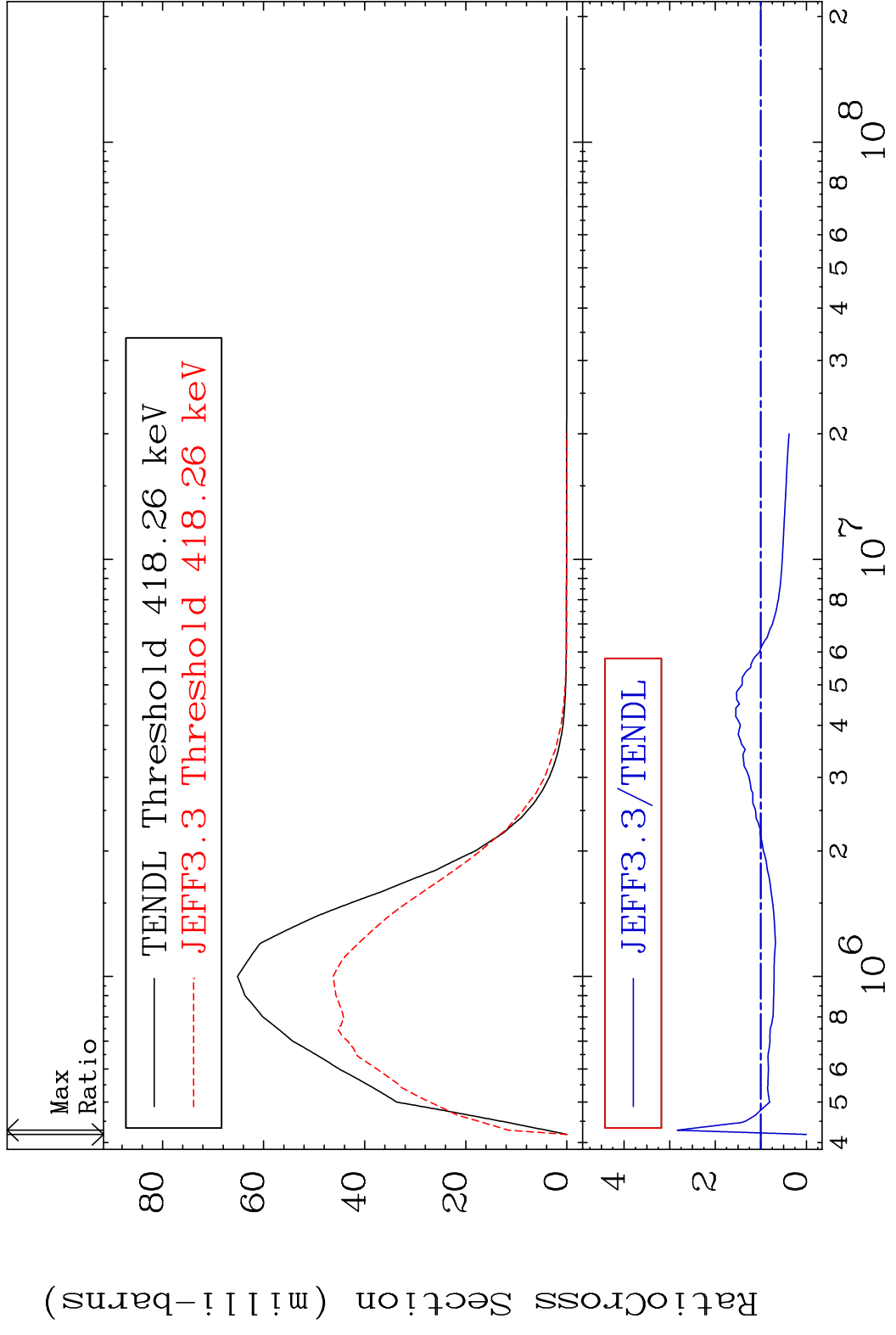


MAT 6155 MT= 59 (n,n') Level 61-Pm-149  
 Cross Section -76.29 To 89.46 %

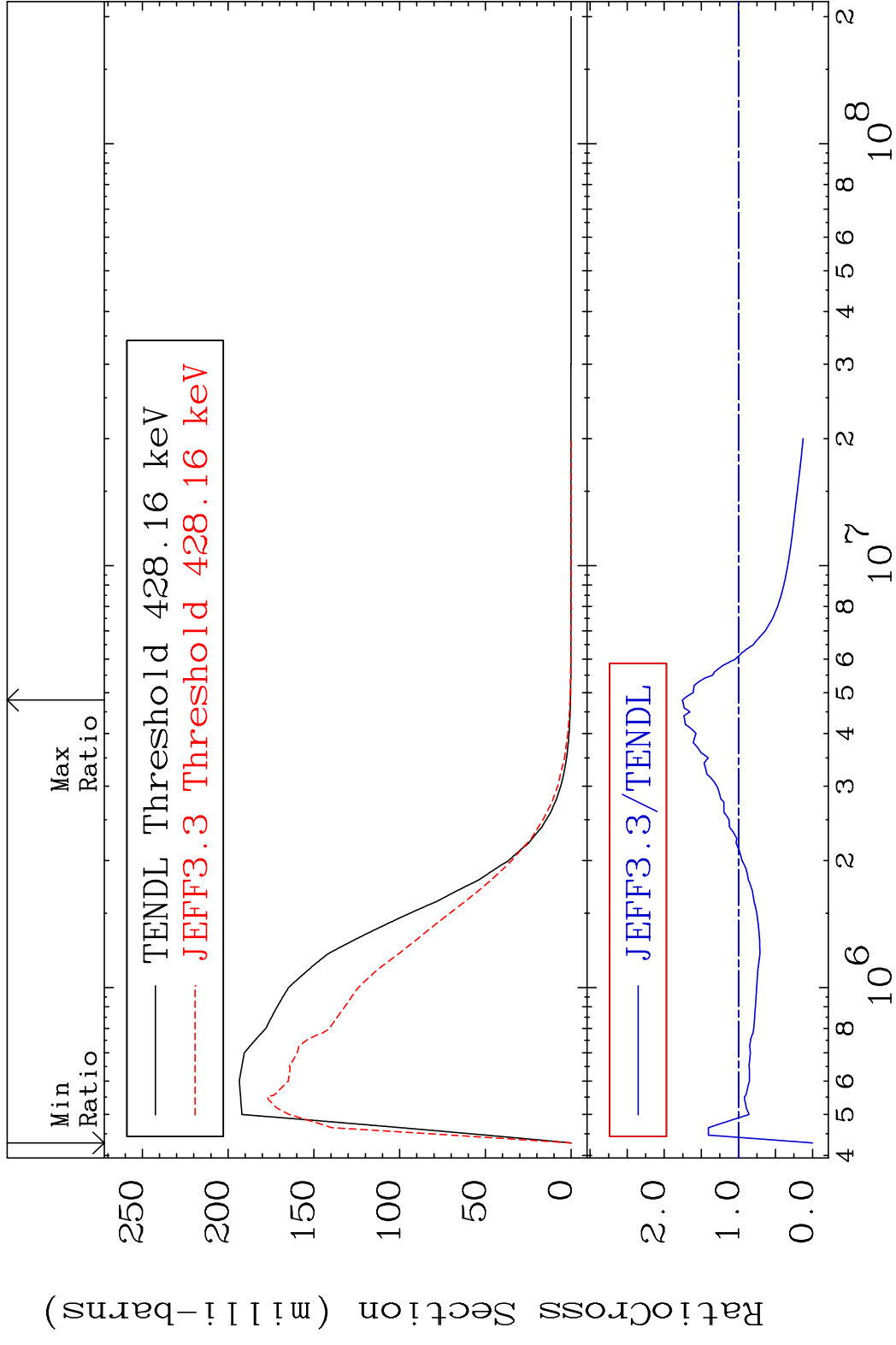


20 61-Pm-149

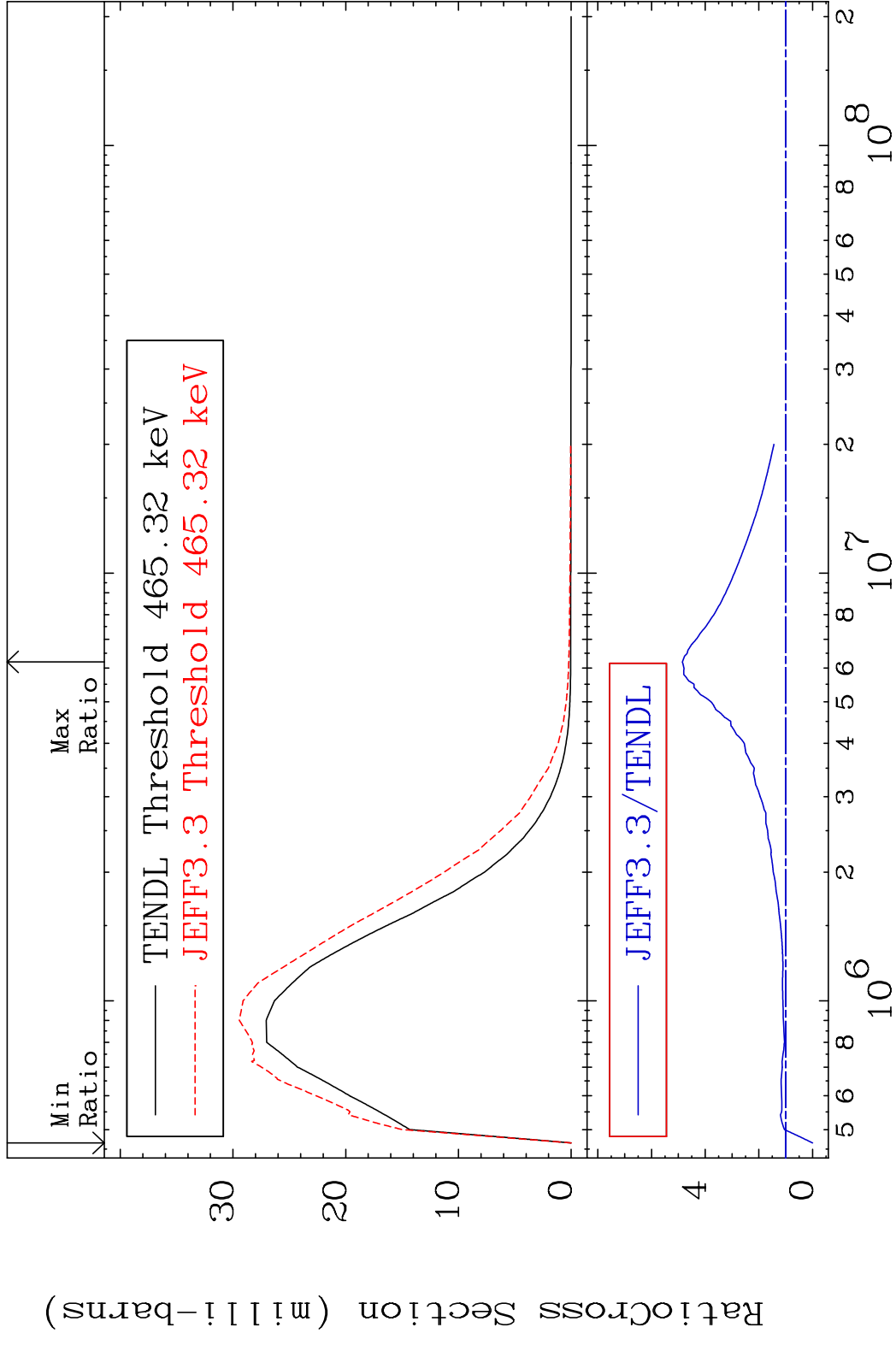
MAT 6155 MT= 60 (n, n') Level 61-Pm-149  
 Cross Section -100.0 To 183.6 %



MAT 6155 MT= 61 (n, n') Level 61-Pm-149  
 Cross Section -100.0 To 75.58 %

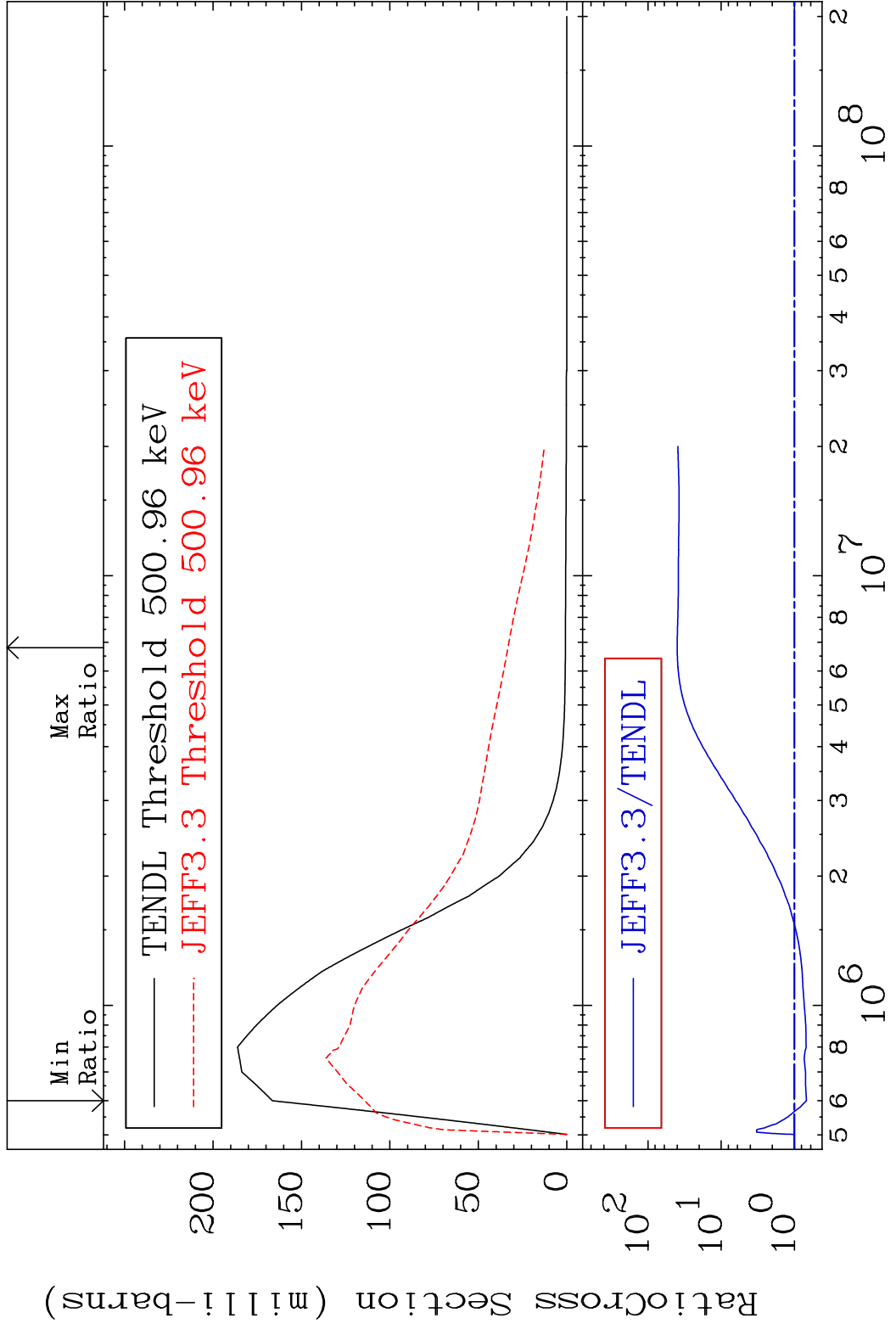


MAT 6155 MT= 62 (n, n') Level 61-Pm-149  
 Cross Section -100.0 To 385.2 %

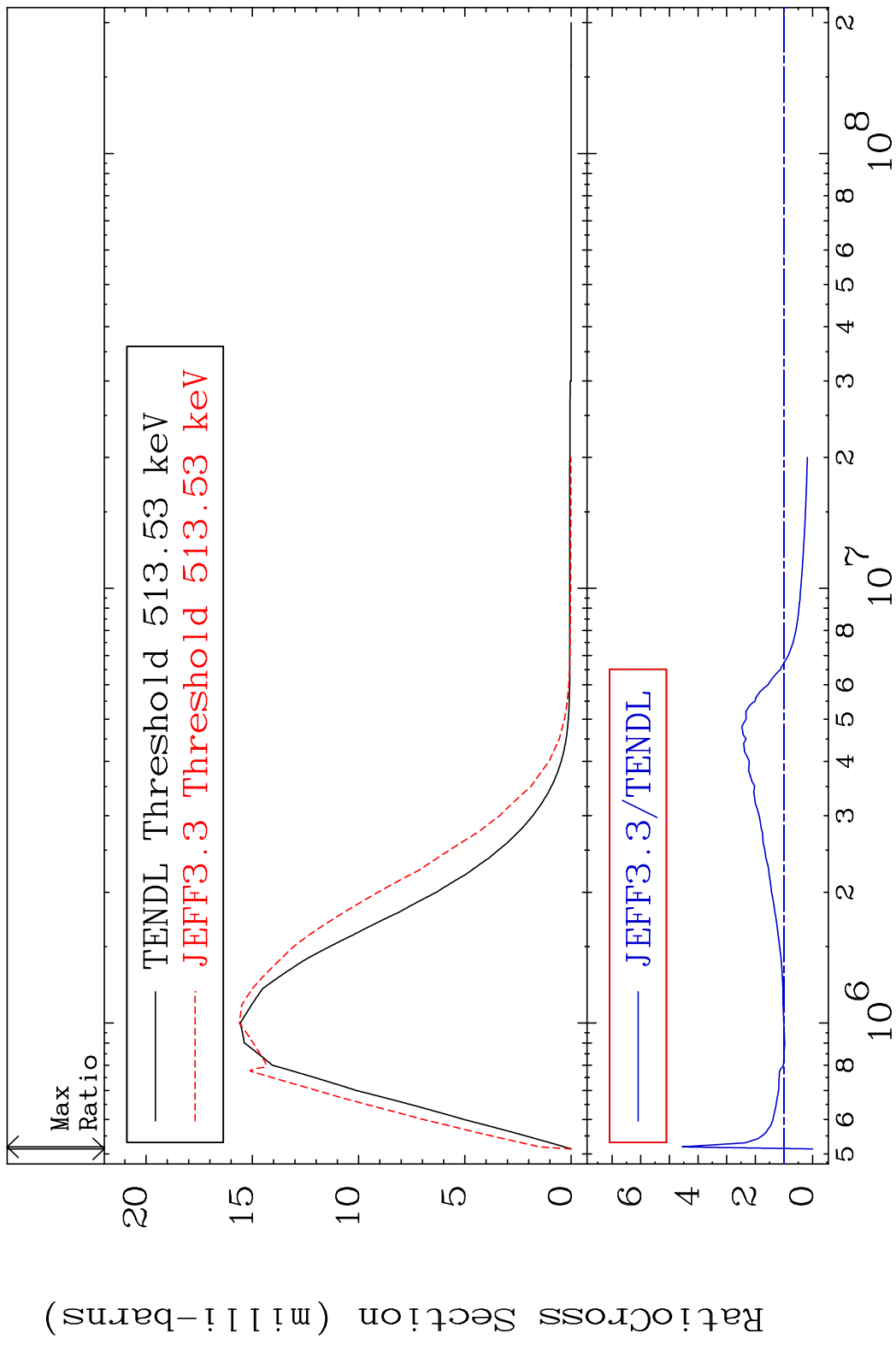




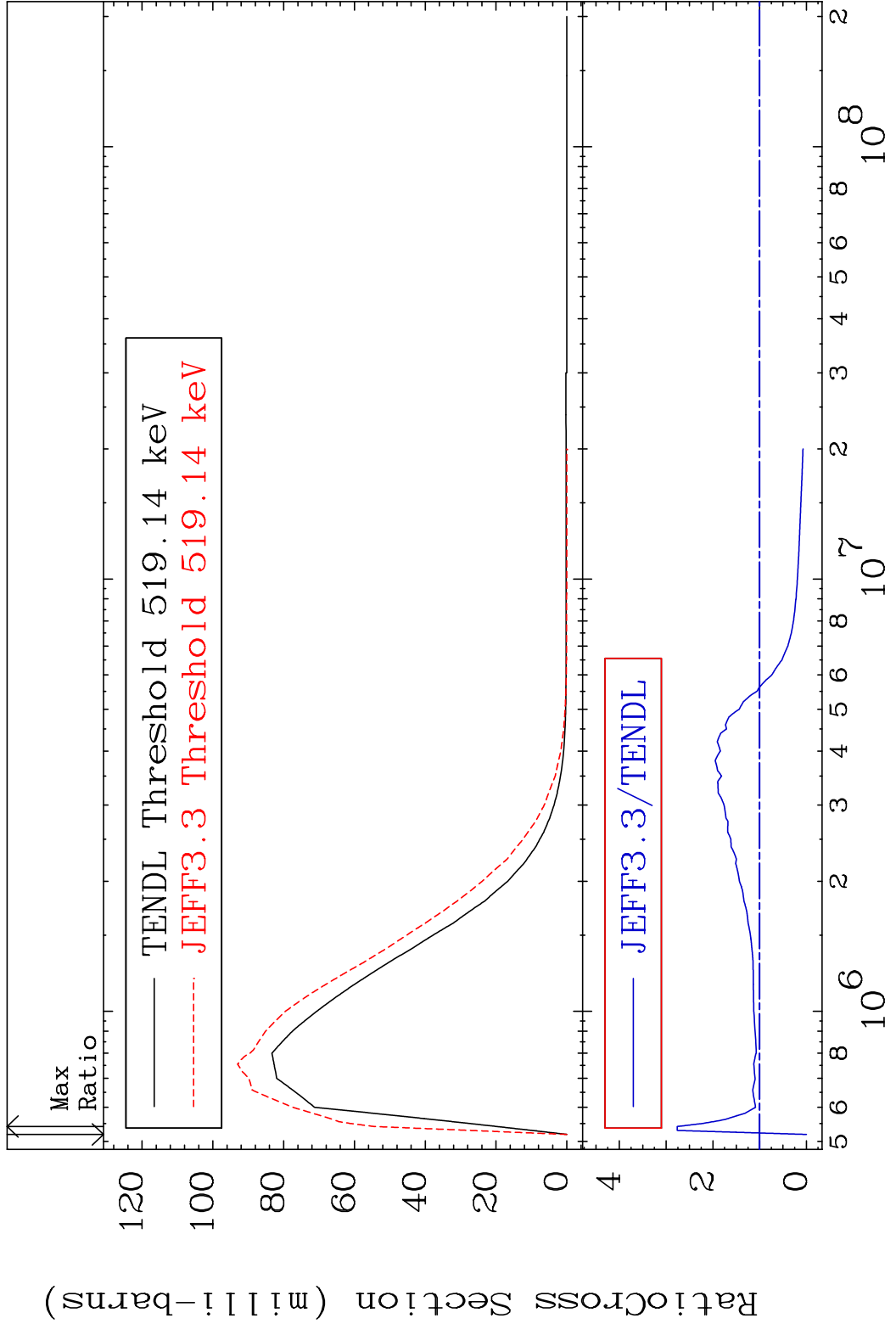
MAT 6155 MT= 63 (n, n') Level 61-Pm-149  
 Cross Section -31.40 To 3891. %



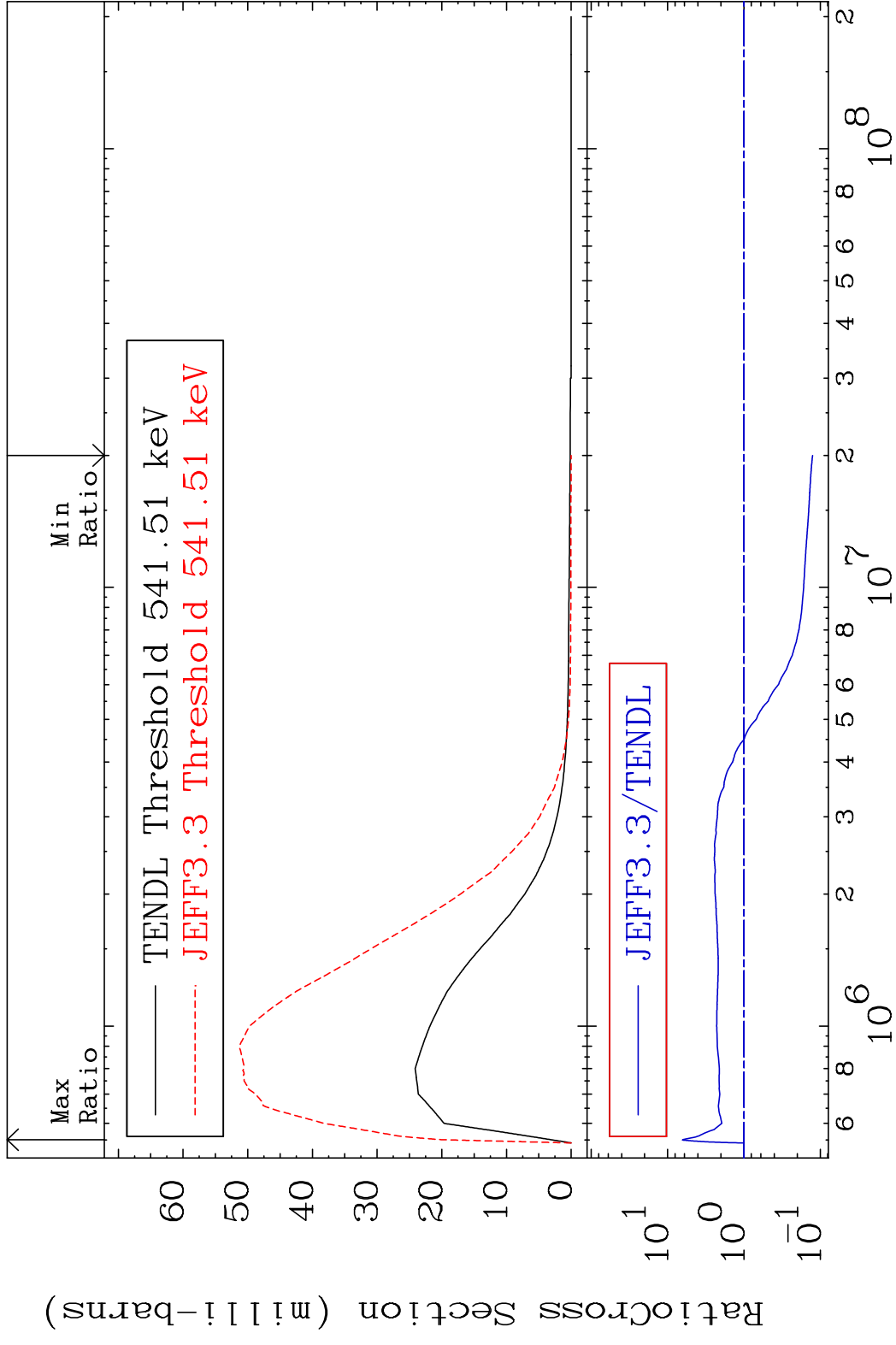
MAT 6155 MT= 64 (n, n') Level 61-Pm-149  
 Cross Section -100.0 To 354.7 %



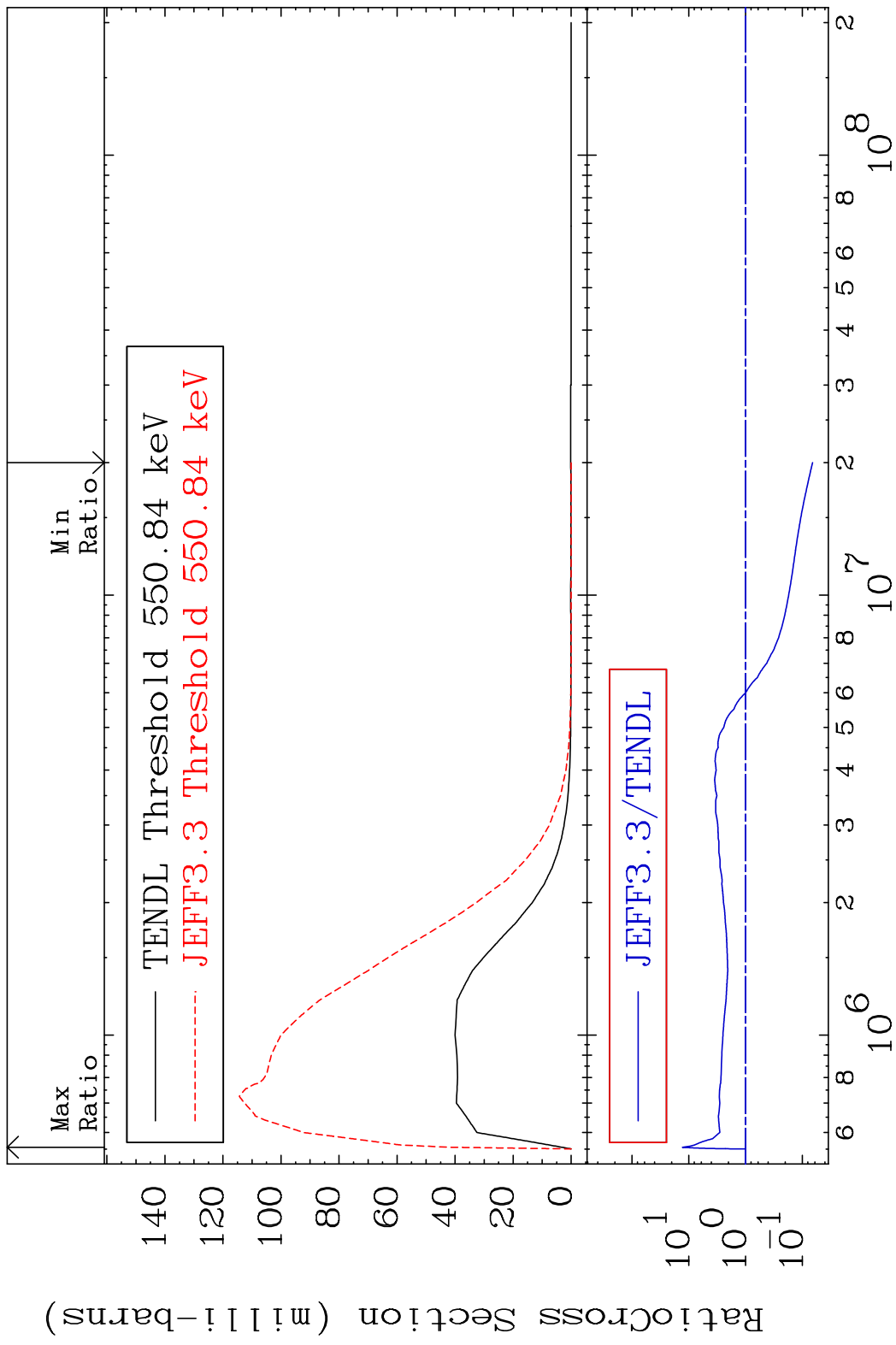
MAT 6155 MT= 65 (n, n') Level 61-Pm-149  
 Cross Section -100.0 To 176.4 %



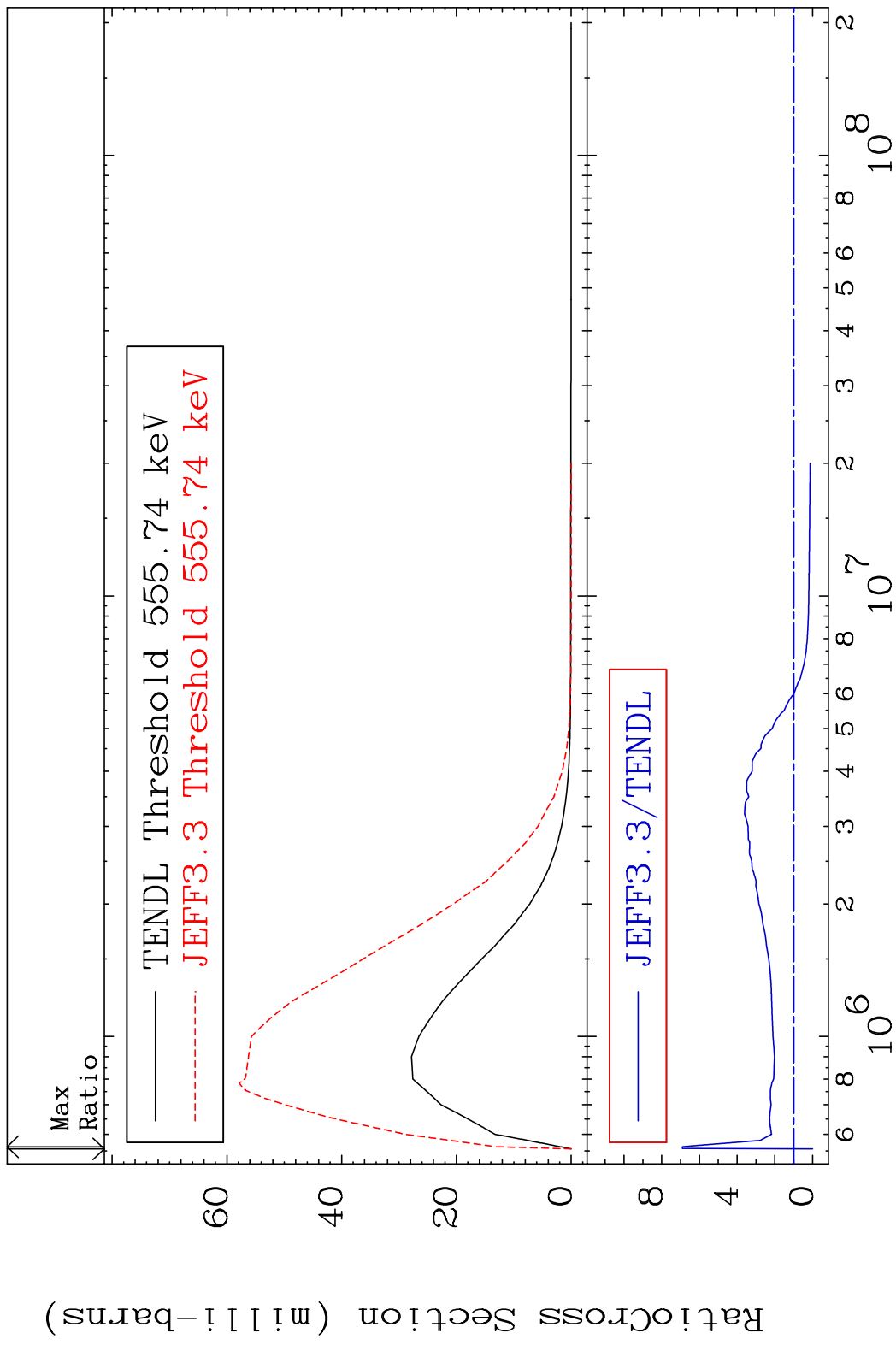
MAT 6155 MT= 66 (n, n') Level 61-Pm-149  
 Cross Section -87.37 To 541.1 %



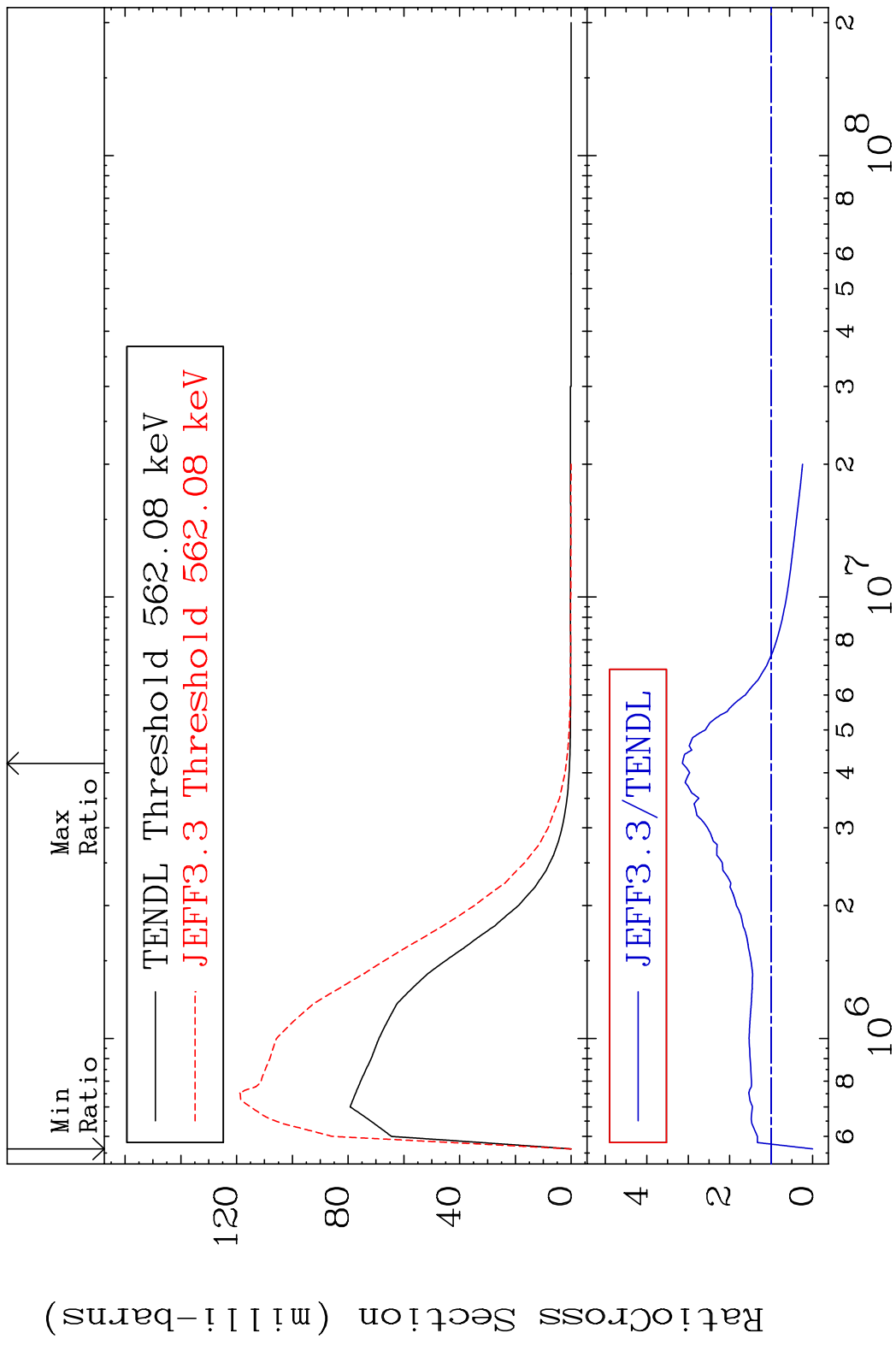
MAT 6155 MT= 67 (n, n') Level 61-Pm-149  
 Cross Section -93.40 To 1196. %



MAT 6155 MT= 68 (n, n') Level 61-Pm-149  
 Cross Section -100.0 To 590.6 %

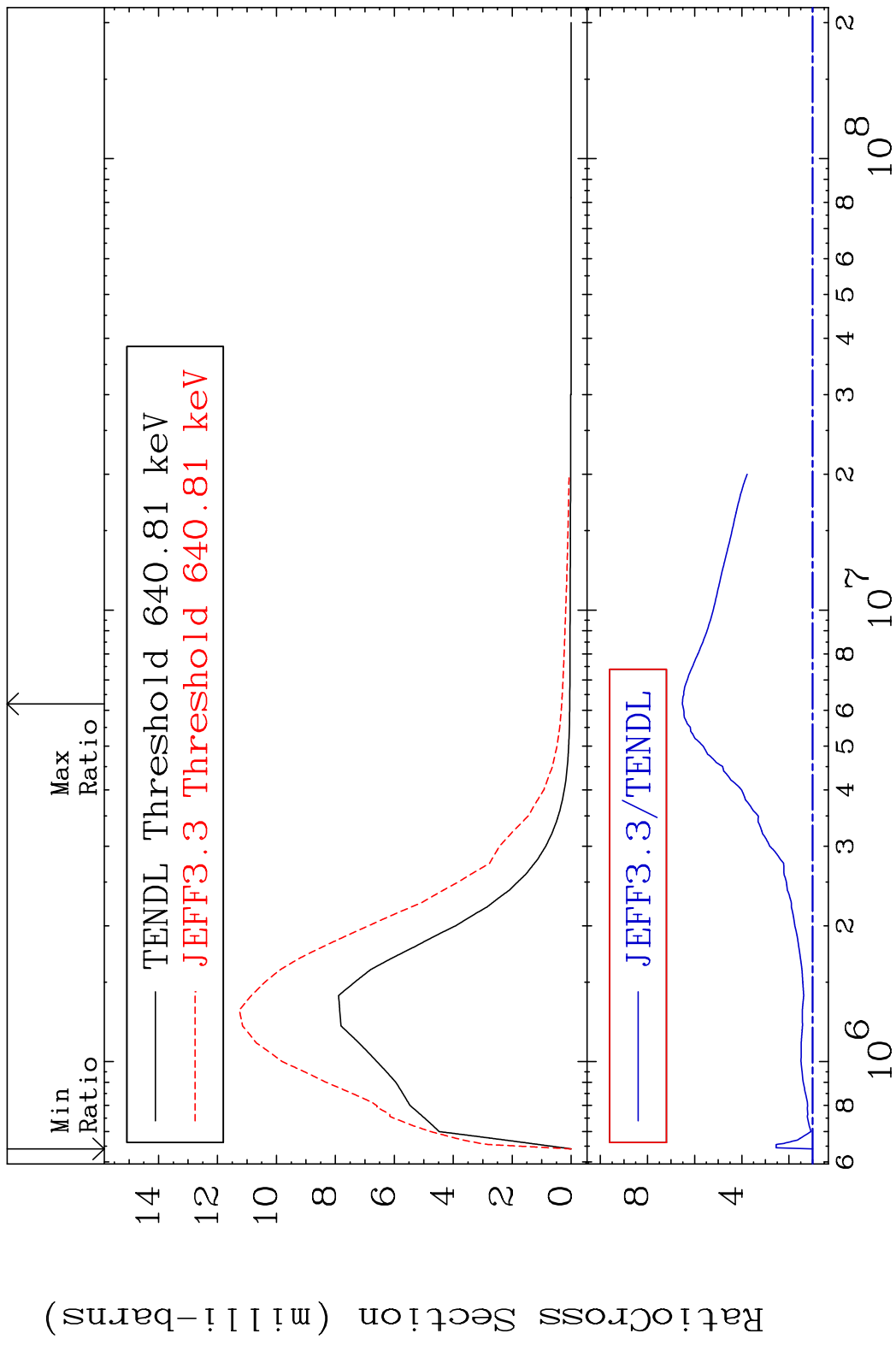


MAT 6155 MT= 69 (n, n') Level 61-Pm-149  
 Cross Section -100.0 To 214.3 %



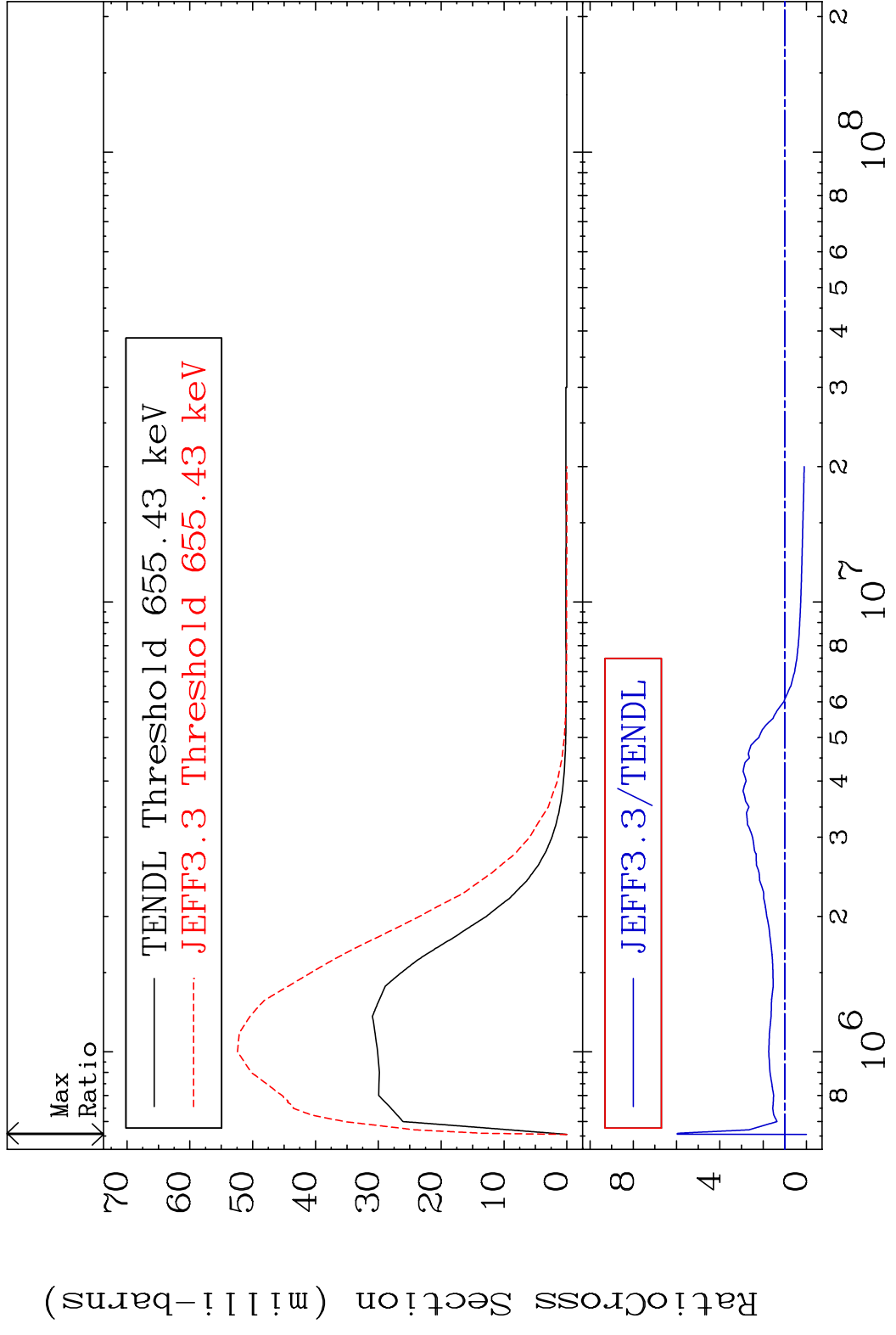
30 Incident Energy (eV) 61-Pm-149

MAT 6155 MT= 70 (n,n') Level 61-Pm-149  
 Cross Section 0.000 To 552.2 %

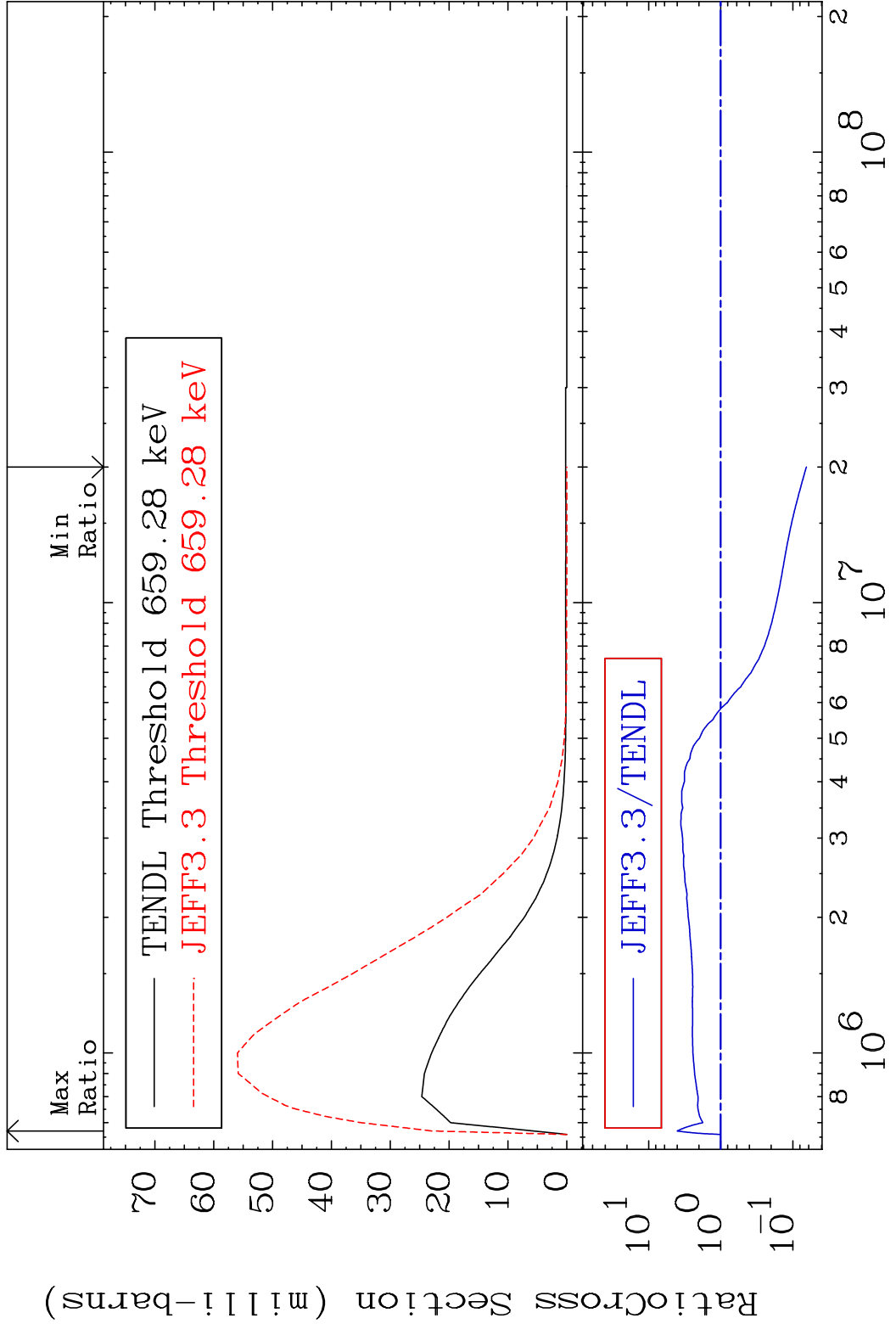




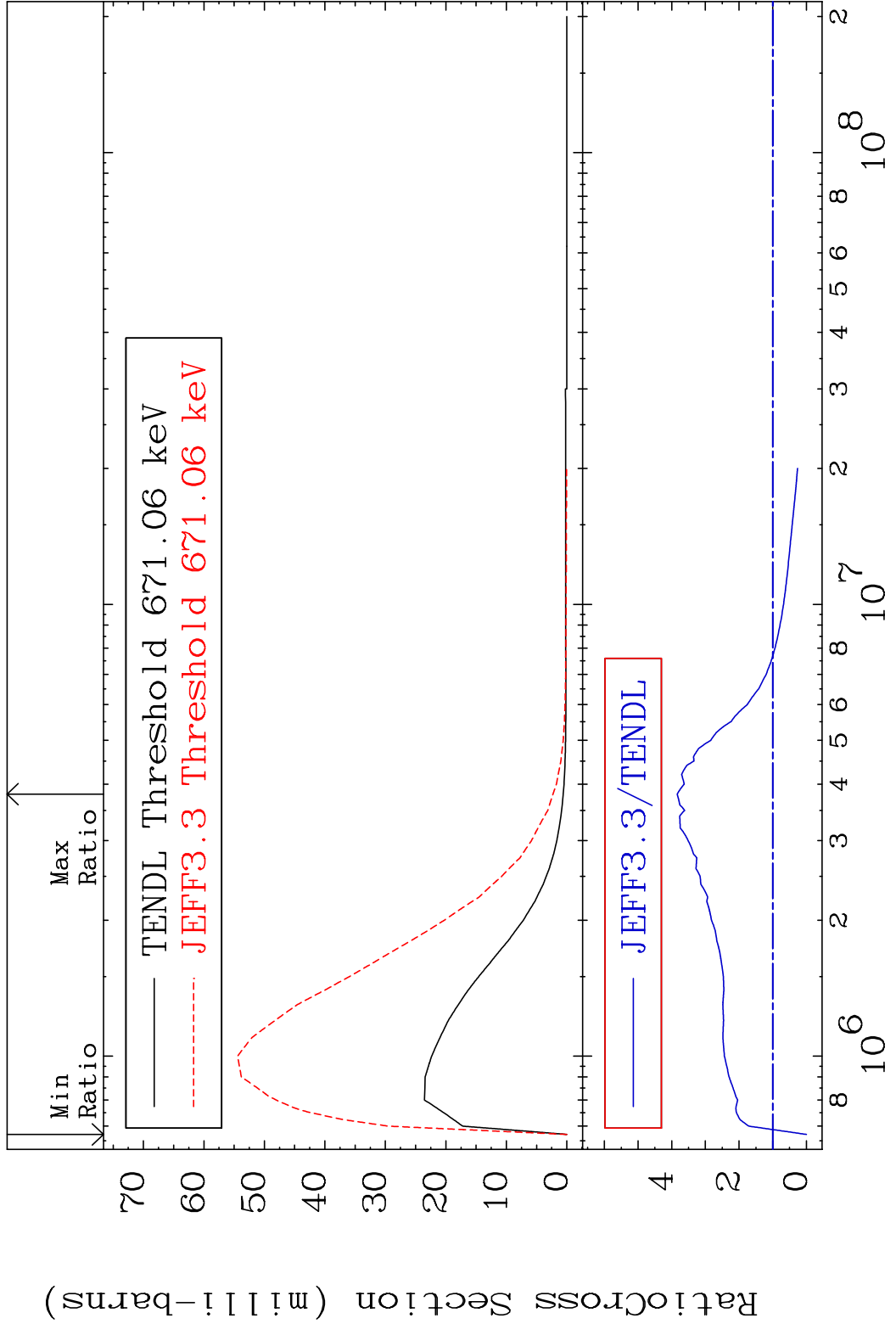
MAT 6155 MT= 71 (n, n') Level 61-Pm-149  
 Cross Section -100.0 To 497.1 %



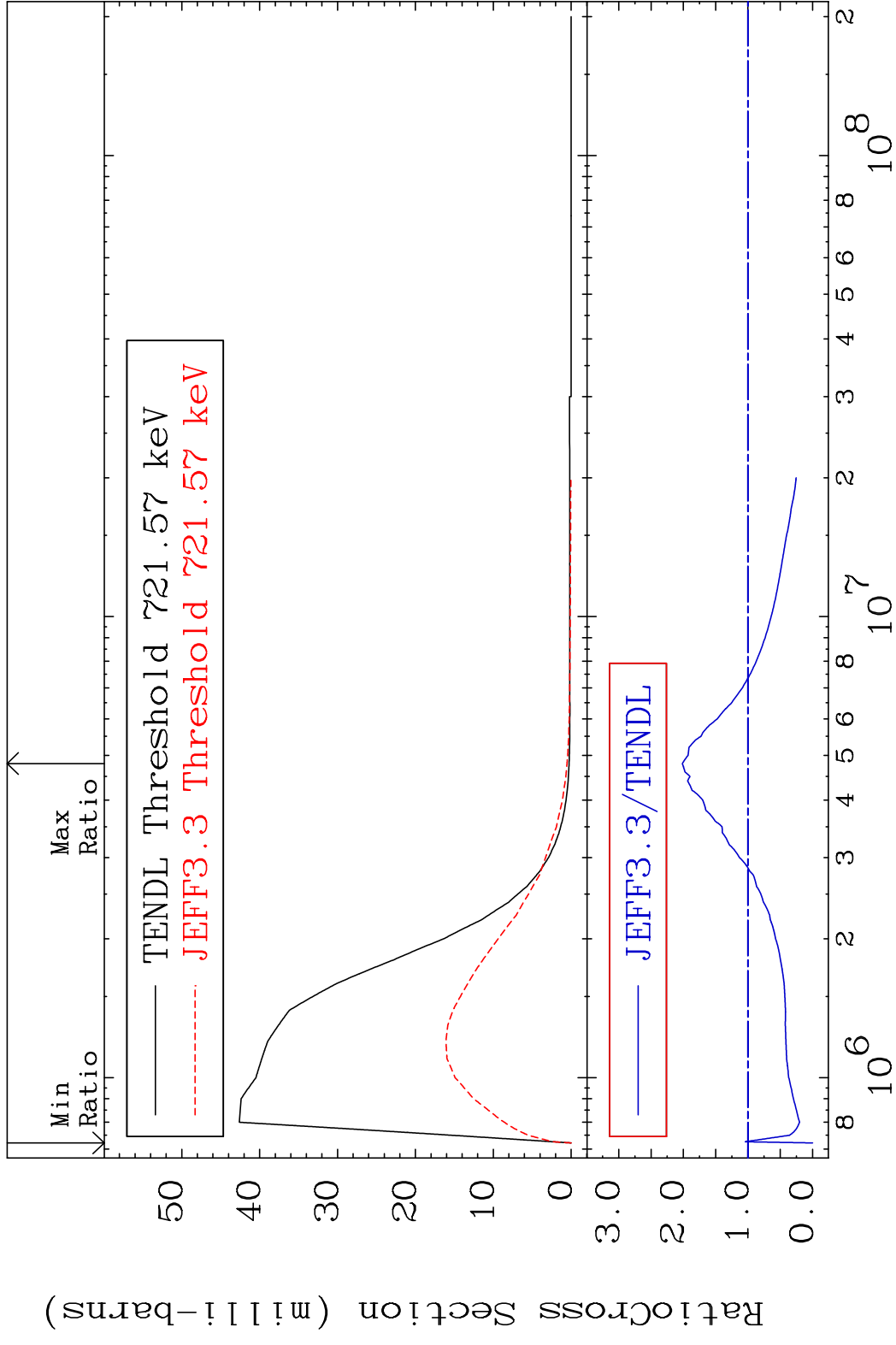
MAT 6155 MT= 72 (n, n') Level 61-Pm-149  
 Cross Section -93.52 To 301.7 %



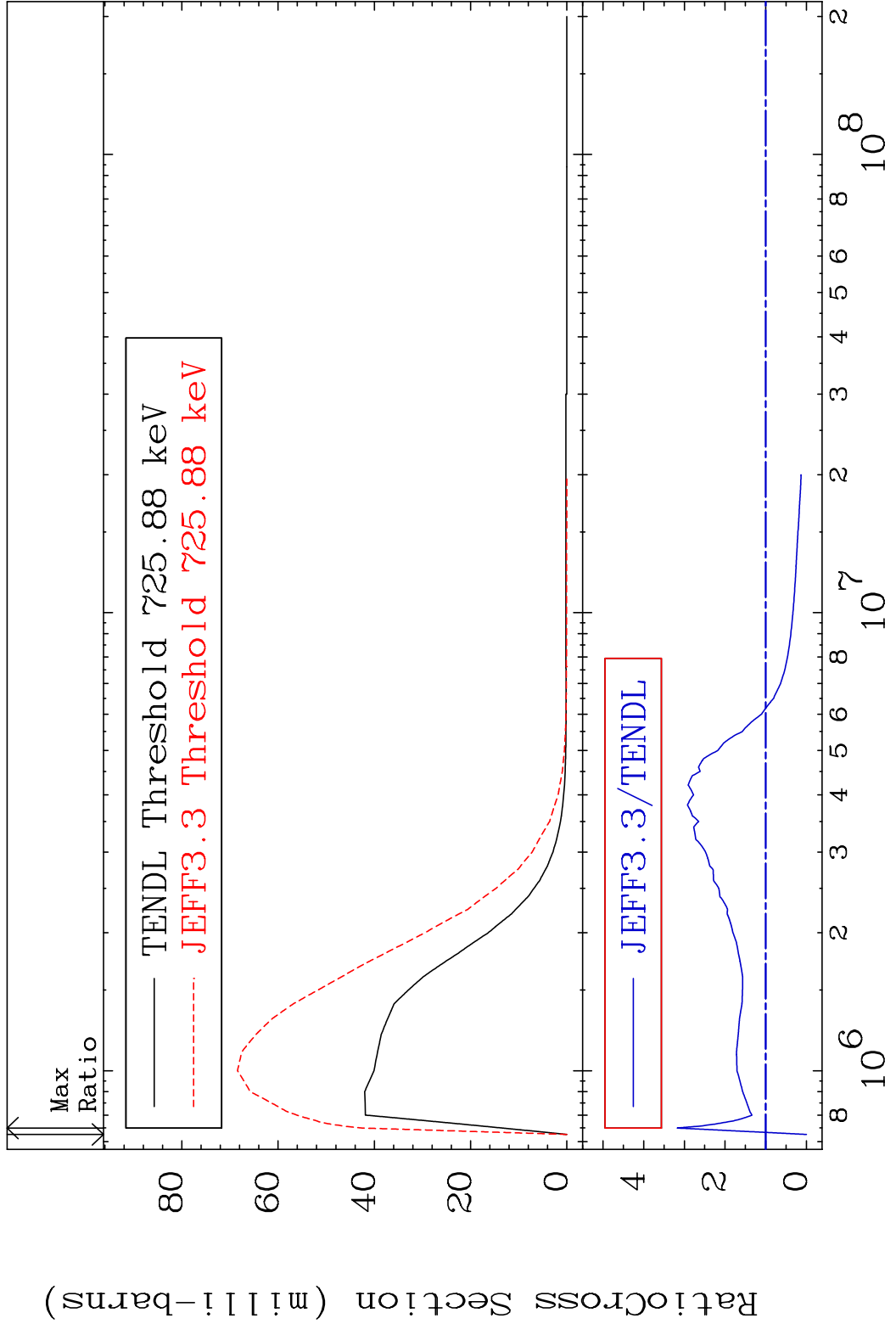
MAT 6155 MT= 73 (n, n') Level 61-Pm-149  
 Cross Section -100.0 To 283.8 %



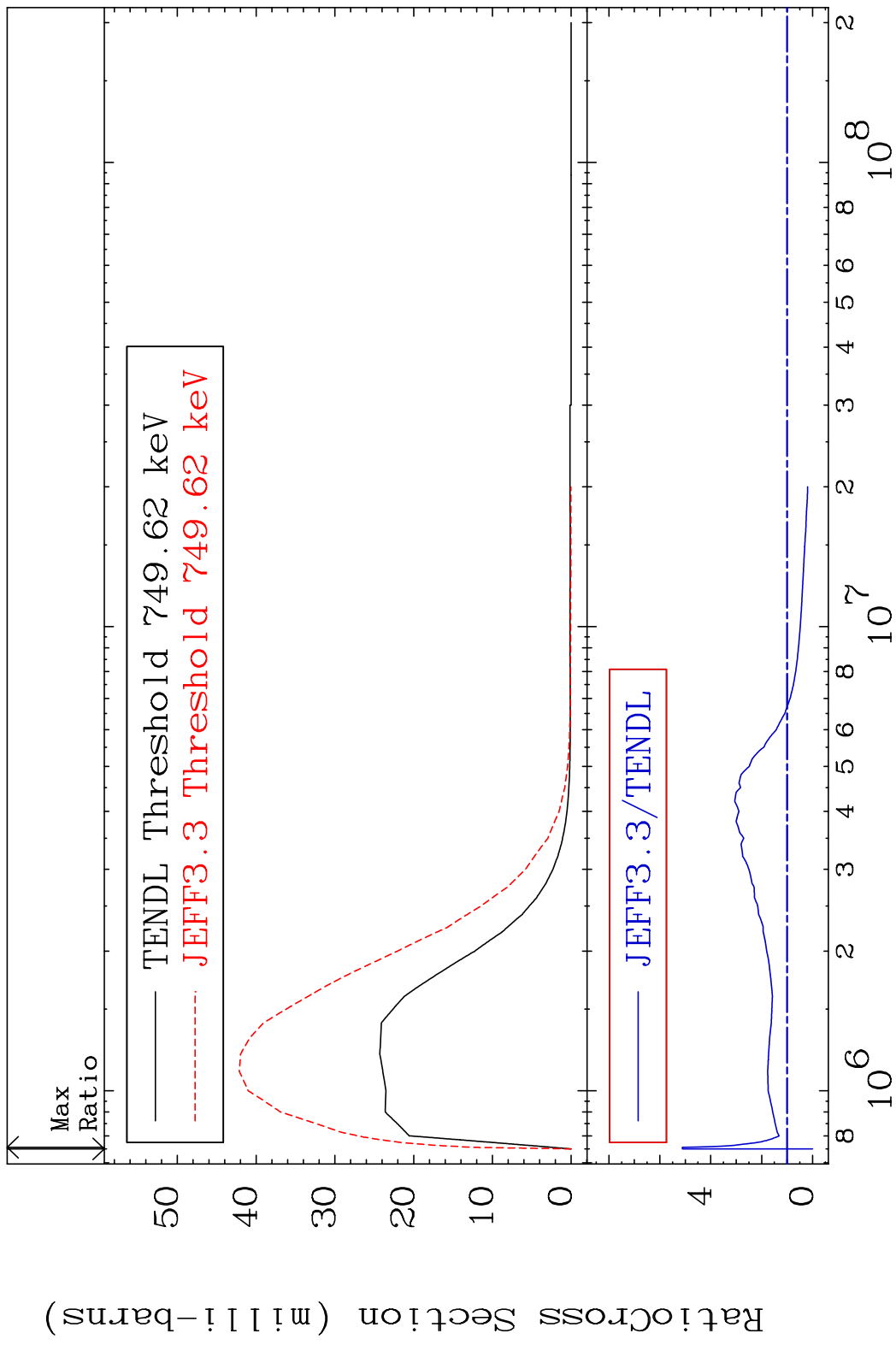
MAT 6155 MT= 74 (n, n') Level 61-Pm-149  
 Cross Section -100.0 To 101.5 %



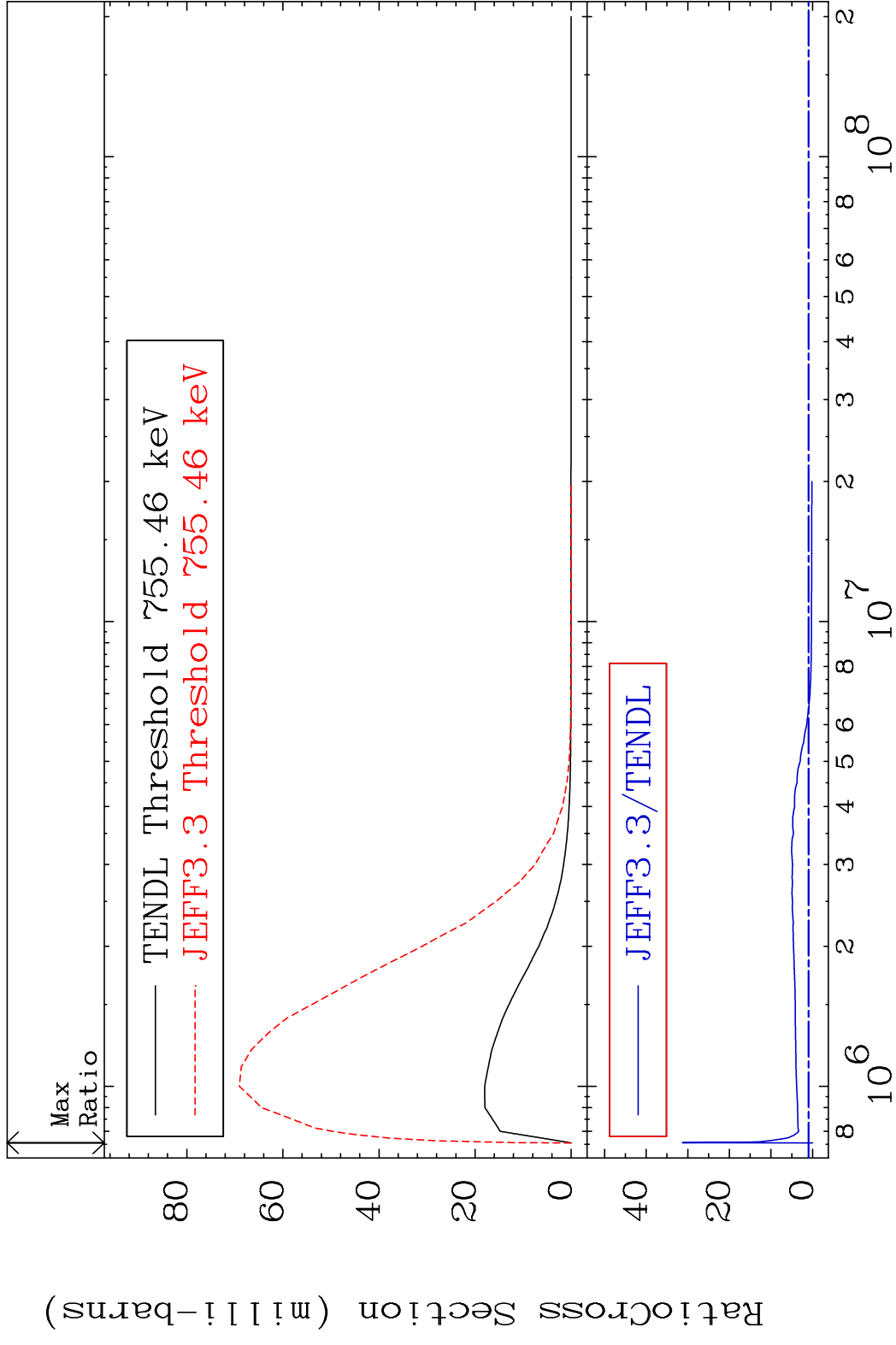
MAT 6155 MT= 75 (n, n') Level 61-Pm-149  
 Cross Section -100.0 To 217.7 %



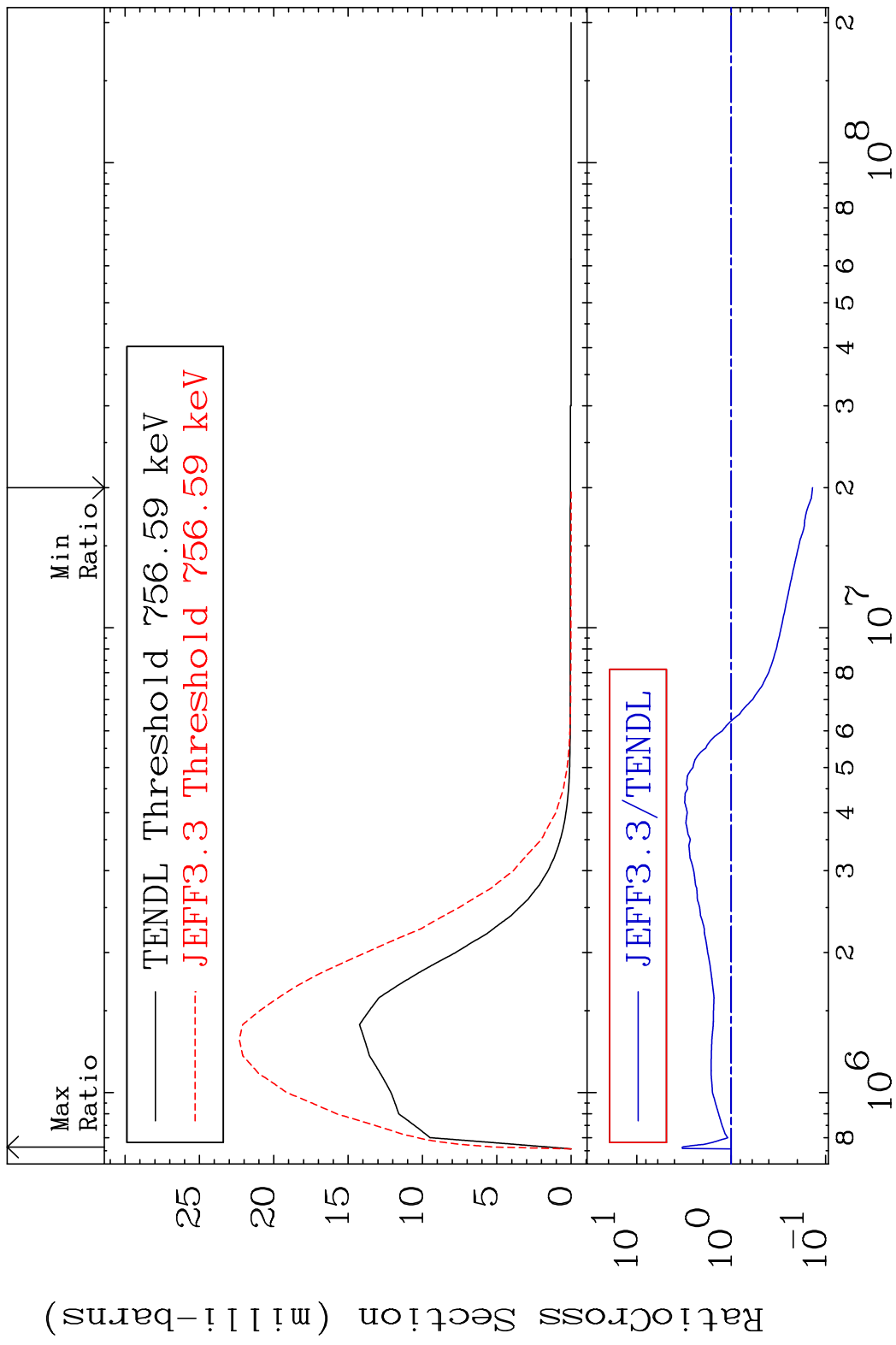
MAT 6155 MT= 76 (n, n') Level 61-Pm-149  
 Cross Section -100.0 To 411.5 %



MAT 6155 MT= 77 (n, n') Level 61-Pm-149  
 Cross Section -100.0 To 3030. %



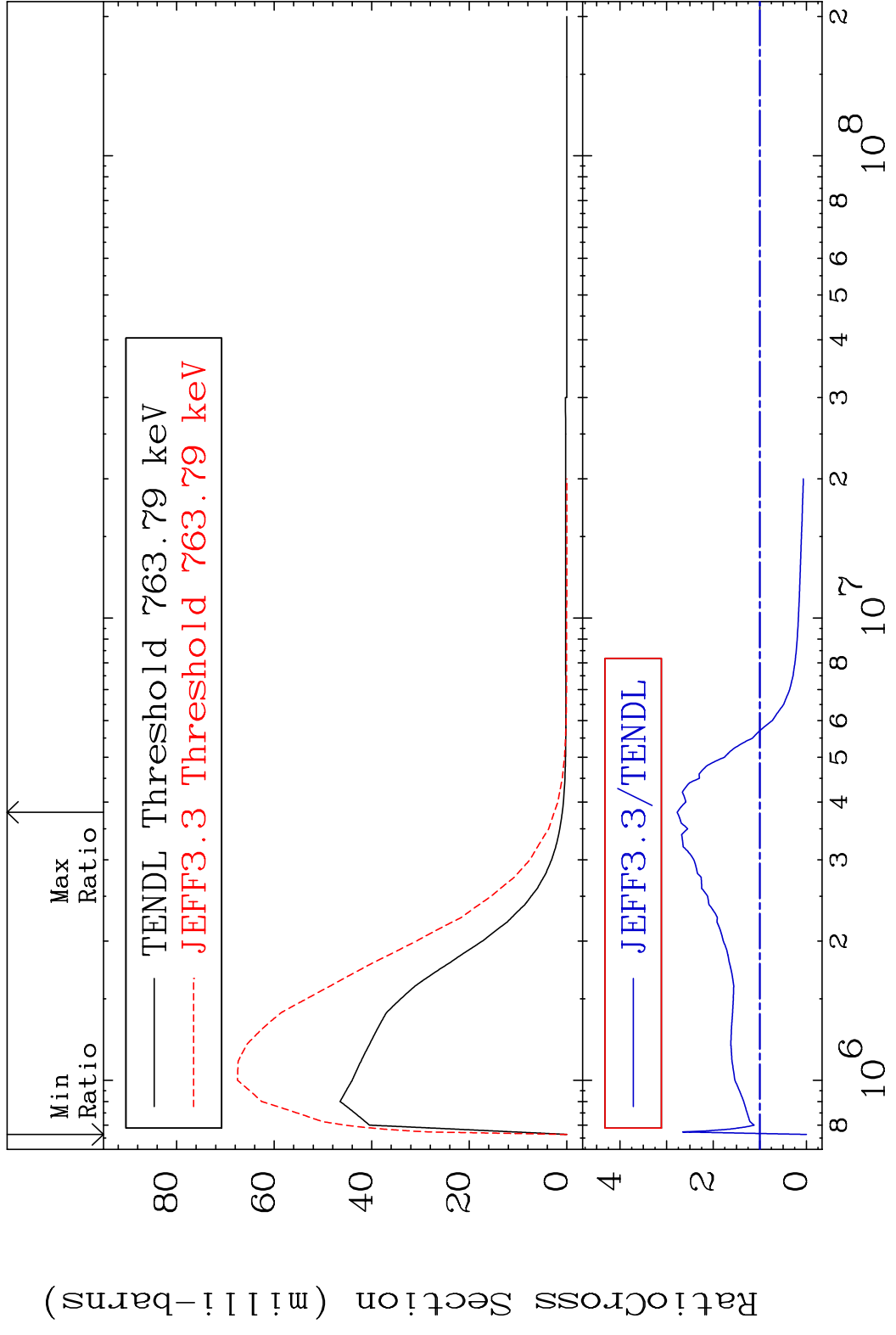
MAT 6155 MT= 78 (n, n') Level 61-Pm-149  
 Cross Section -86.22 To 229.7 %



39 Incident Energy (eV) 61-Pm-149

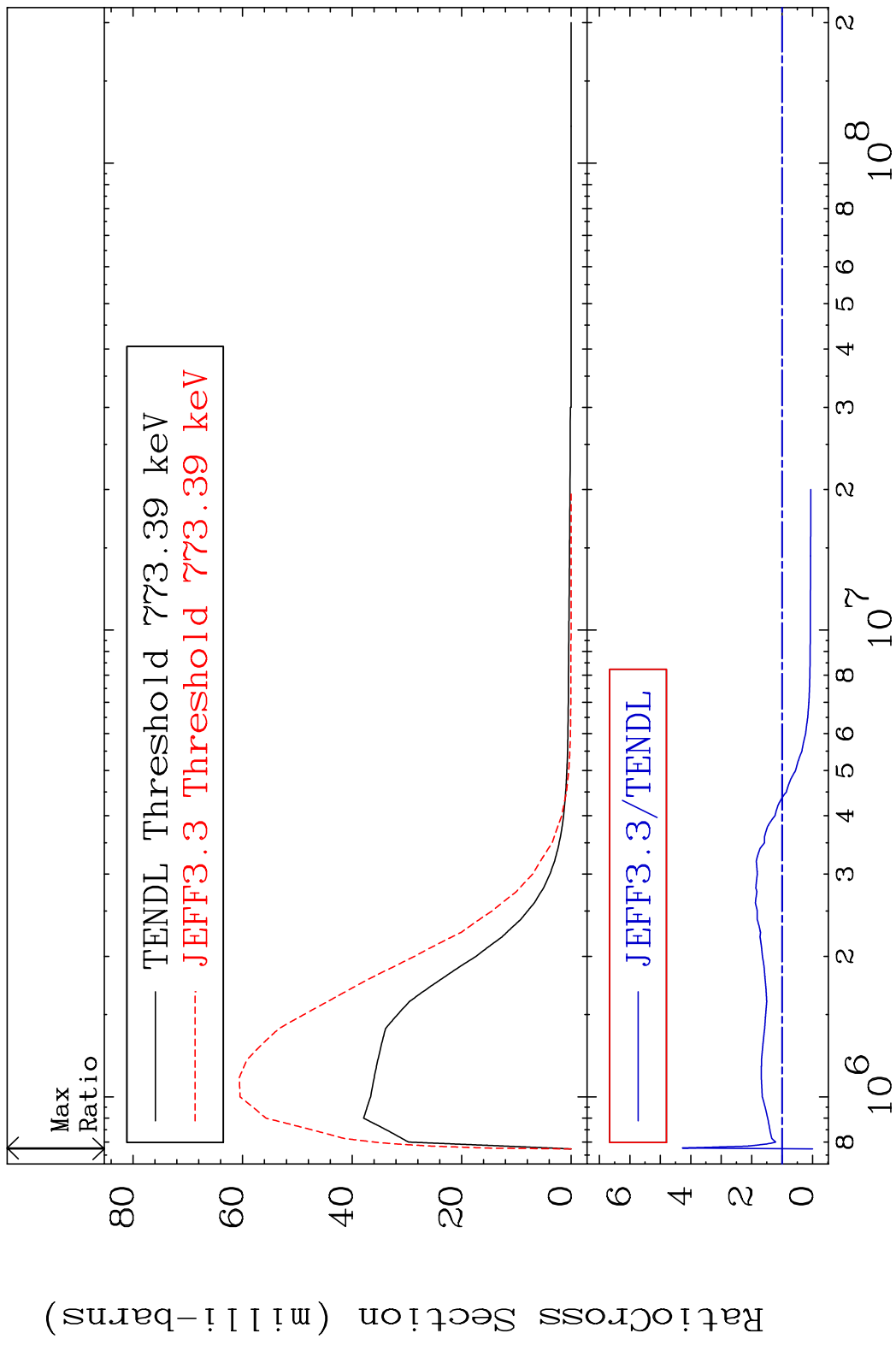


MAT 6155 MT= 79 (n, n') Level 61-Pm-149  
 Cross Section -100.0 To 177.3 %



40 Incident Energy (eV) 61-Pm-149

MAT 6155 MT= 80 (n, n') Level 61-Pm-149  
 Cross Section -100.0 To 327.6 %

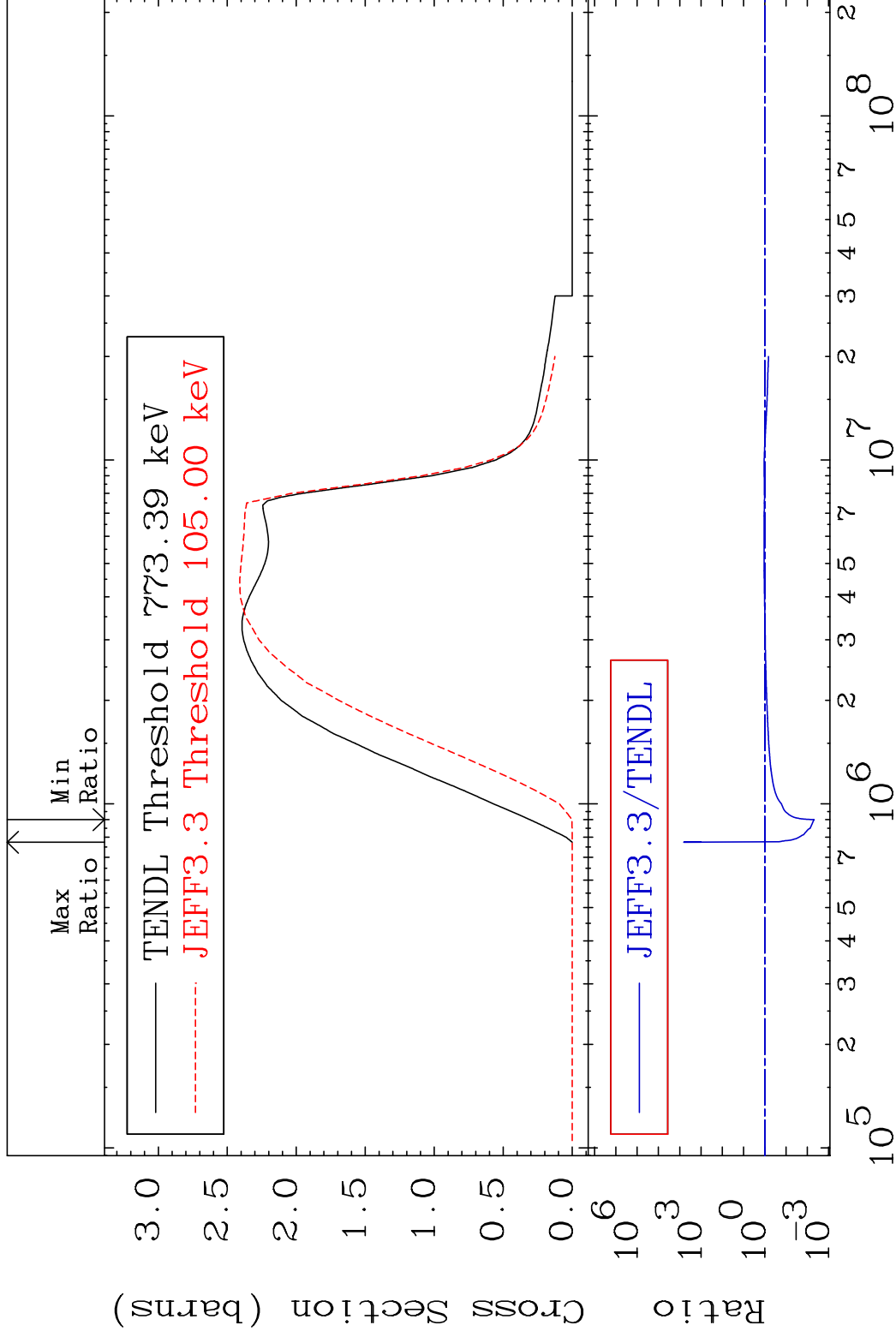


MAT 6155

(n, n') Continuum

61-Pm-149

Cross Section -99.52 To 9999. %



42

Incident Energy (eV)

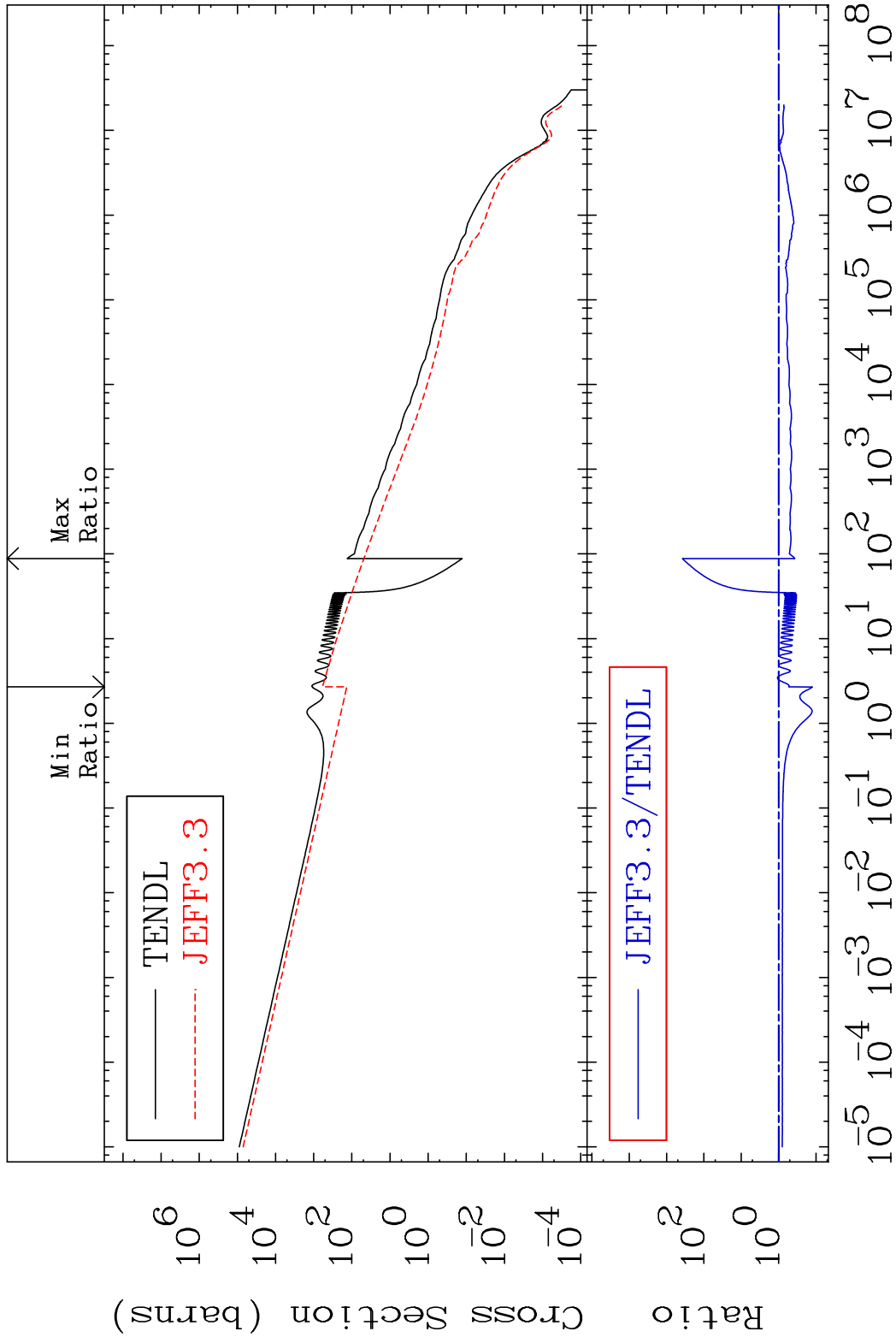
61-Pm-149

MAT 6155

(n,  $\gamma$ )

61-Pm-149

Cross Section -87.70 To 9999. %

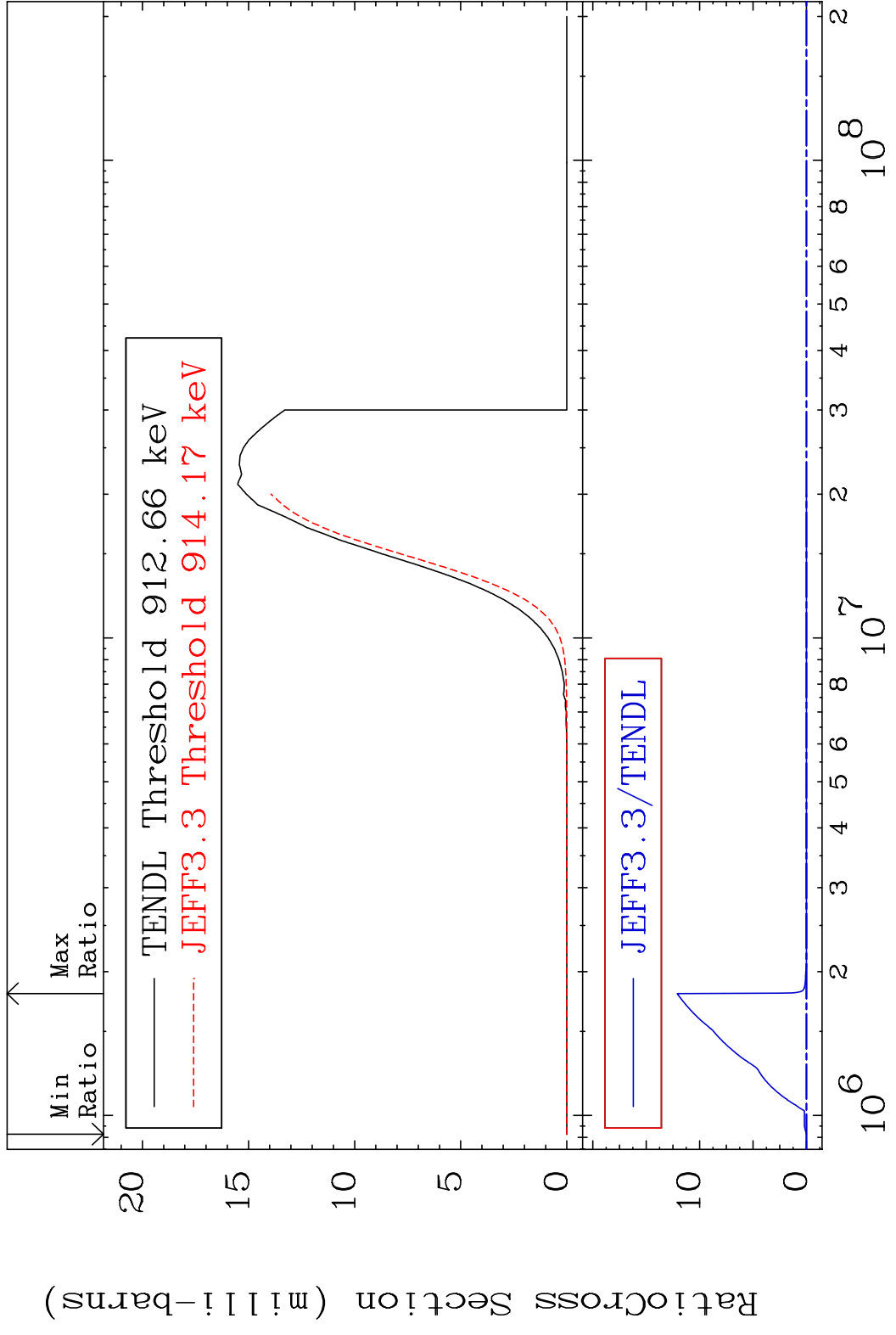


43

Incident Energy (eV)

61-Pm-149

MAT 6155 (n,p) 61-Pm-149  
 Cross Section -100.0 To 9999. %



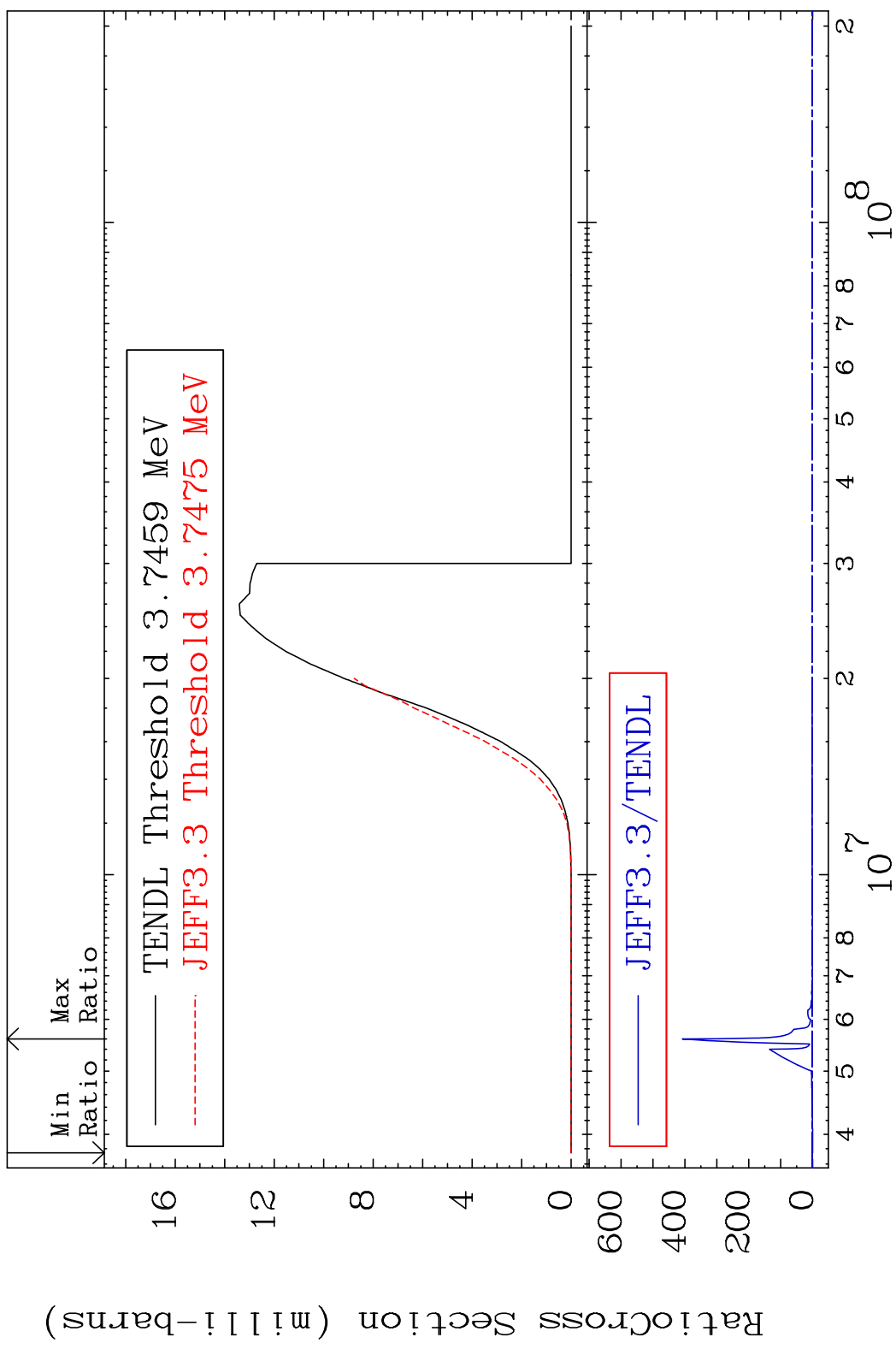
44 Incident Energy (eV) 61-Pm-149

MAT 6155

(n,d)

61-Pm-149

Cross Section -100.0 To 9999. %

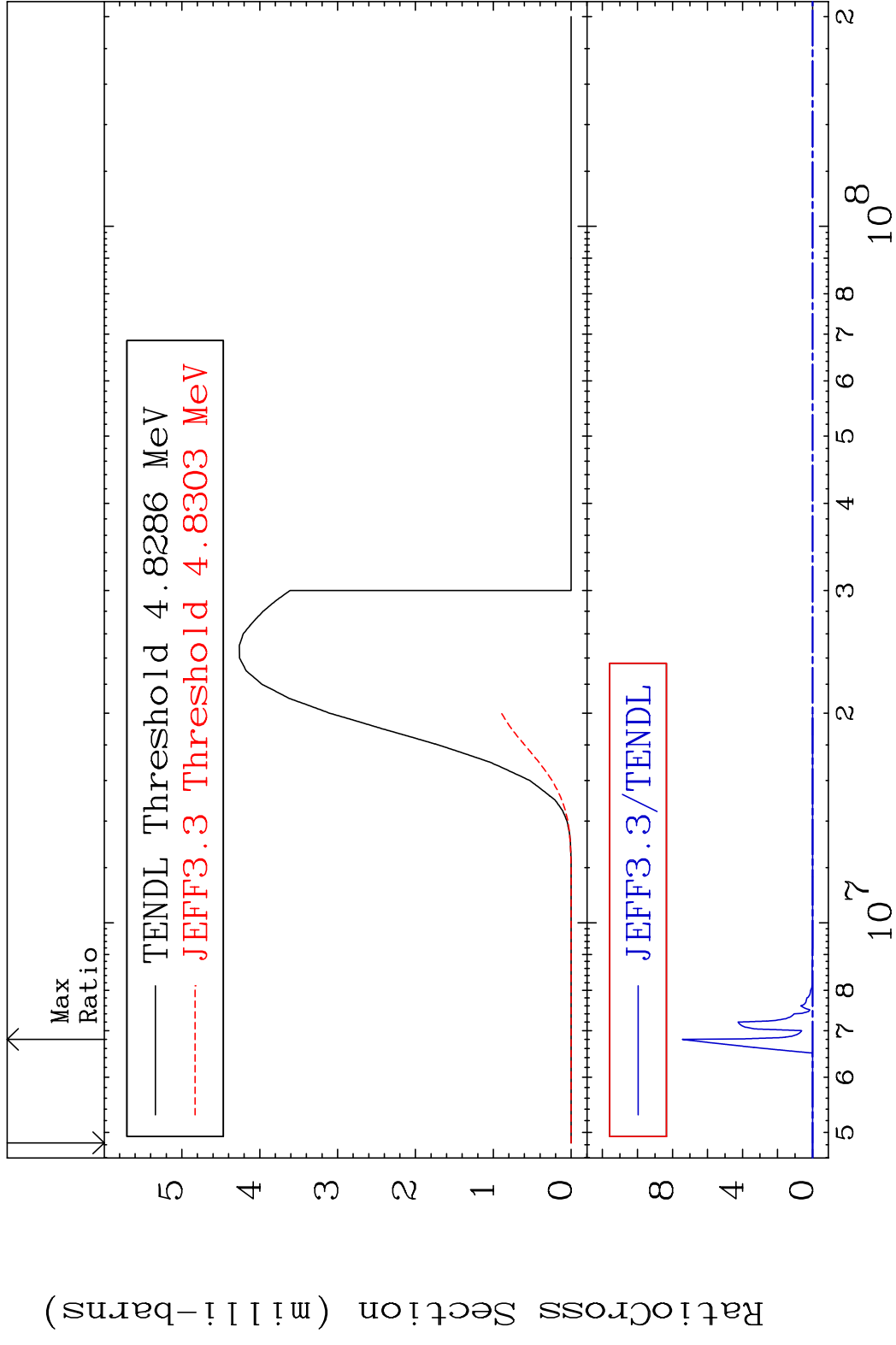


MAT 6155

(n, t)

61-Pm-149

Cross Section -100.0 To 9999. %

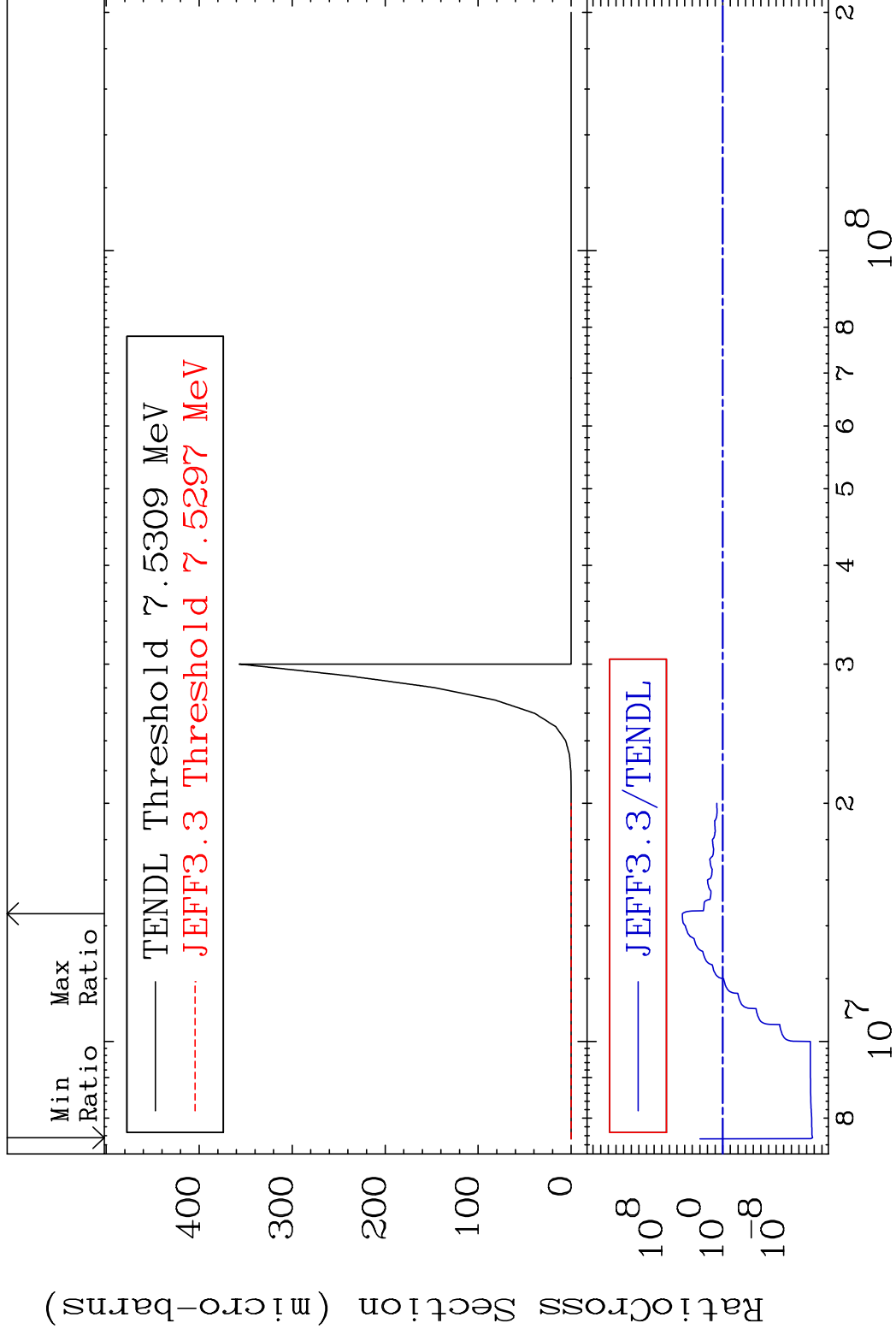


MAT 6155

(n, He-3)

61-Pm-149

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

61-Pm-149

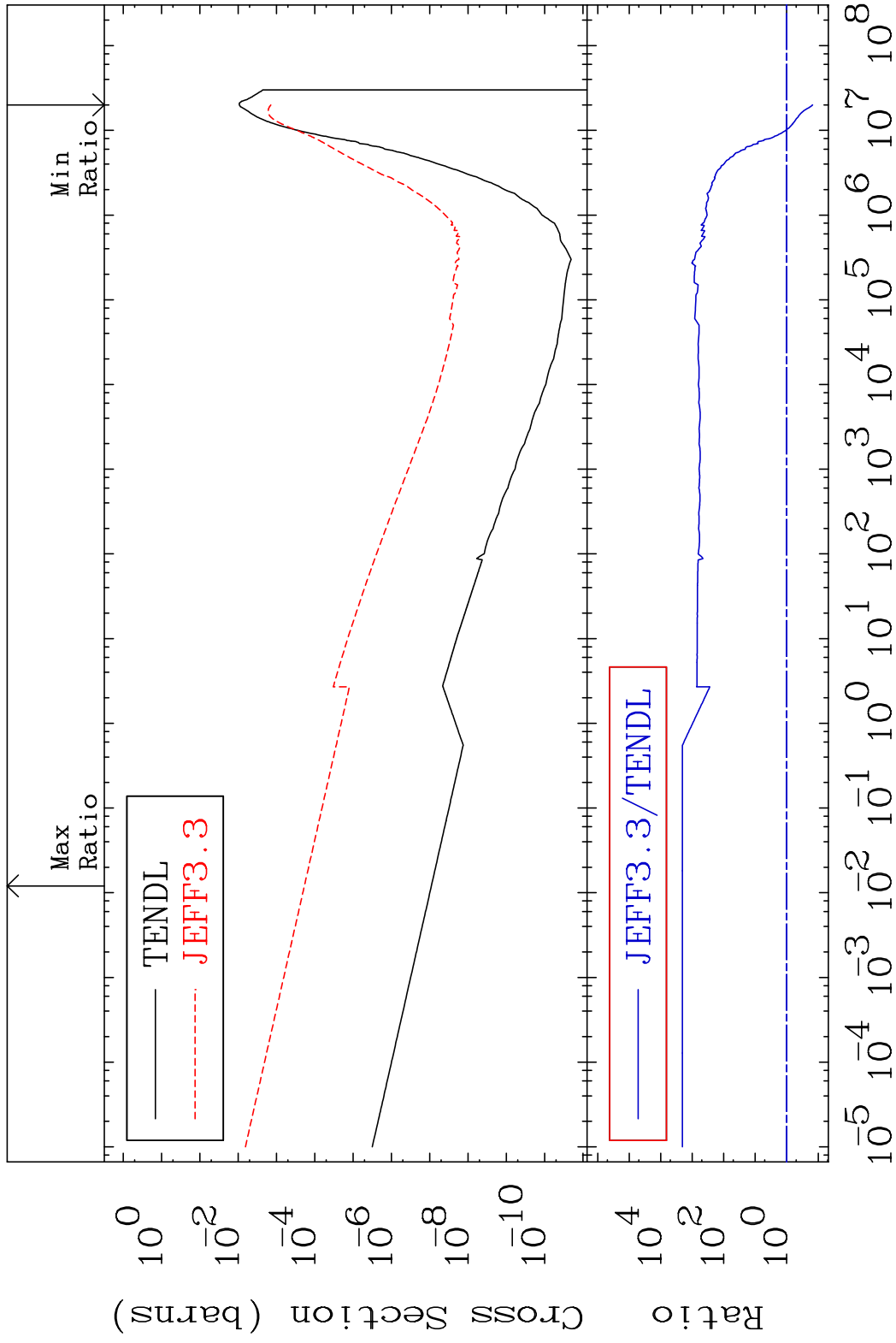


MAT 6155

(n,  $\alpha$ )

61-Pm-149

Cross Section -84.89 To 9999. %



48

Incident Energy (eV)

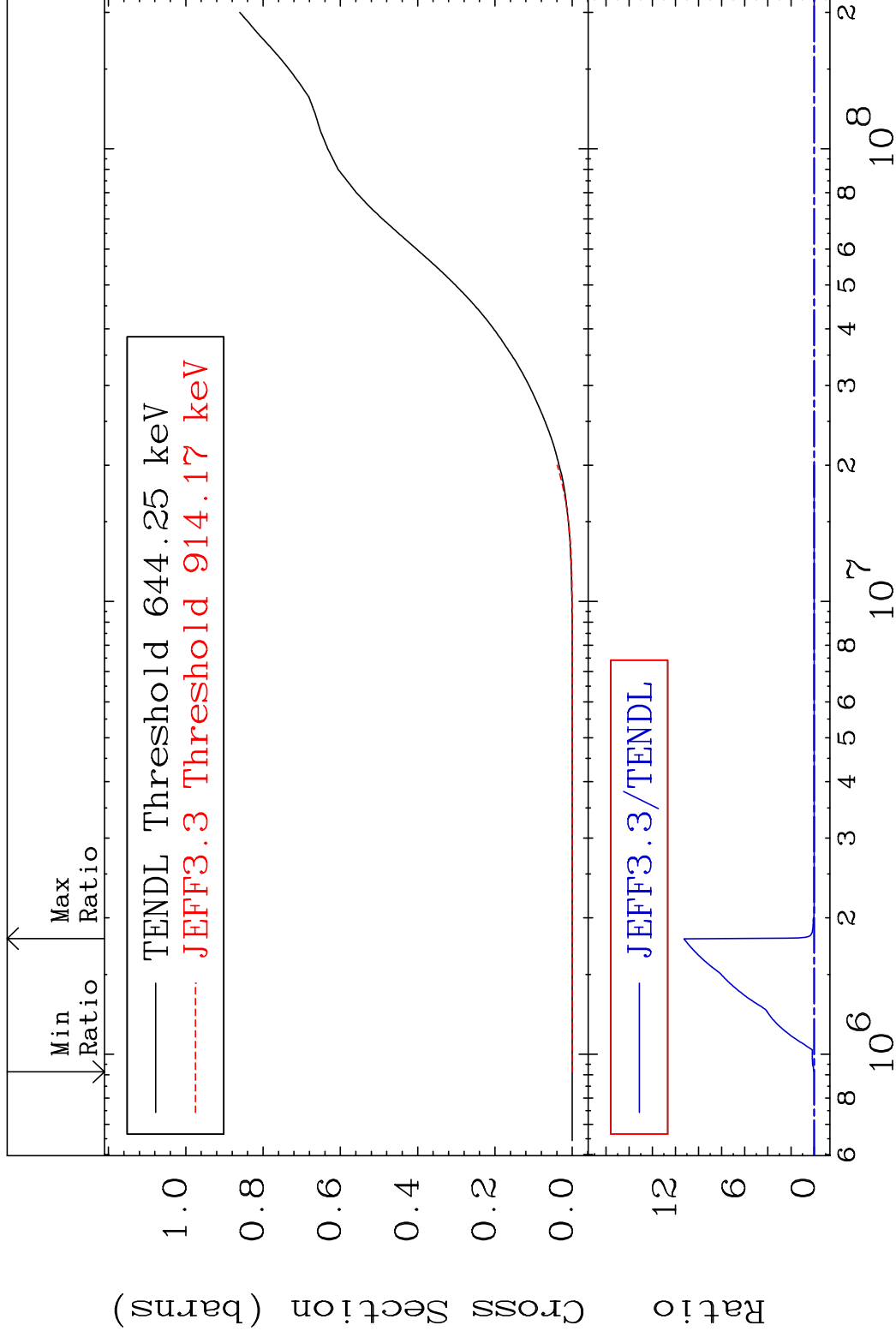
61-Pm-149

MAT 6155

Hydrogen Production

61-Pm-149

Cross Section -100.0 To 9999. %



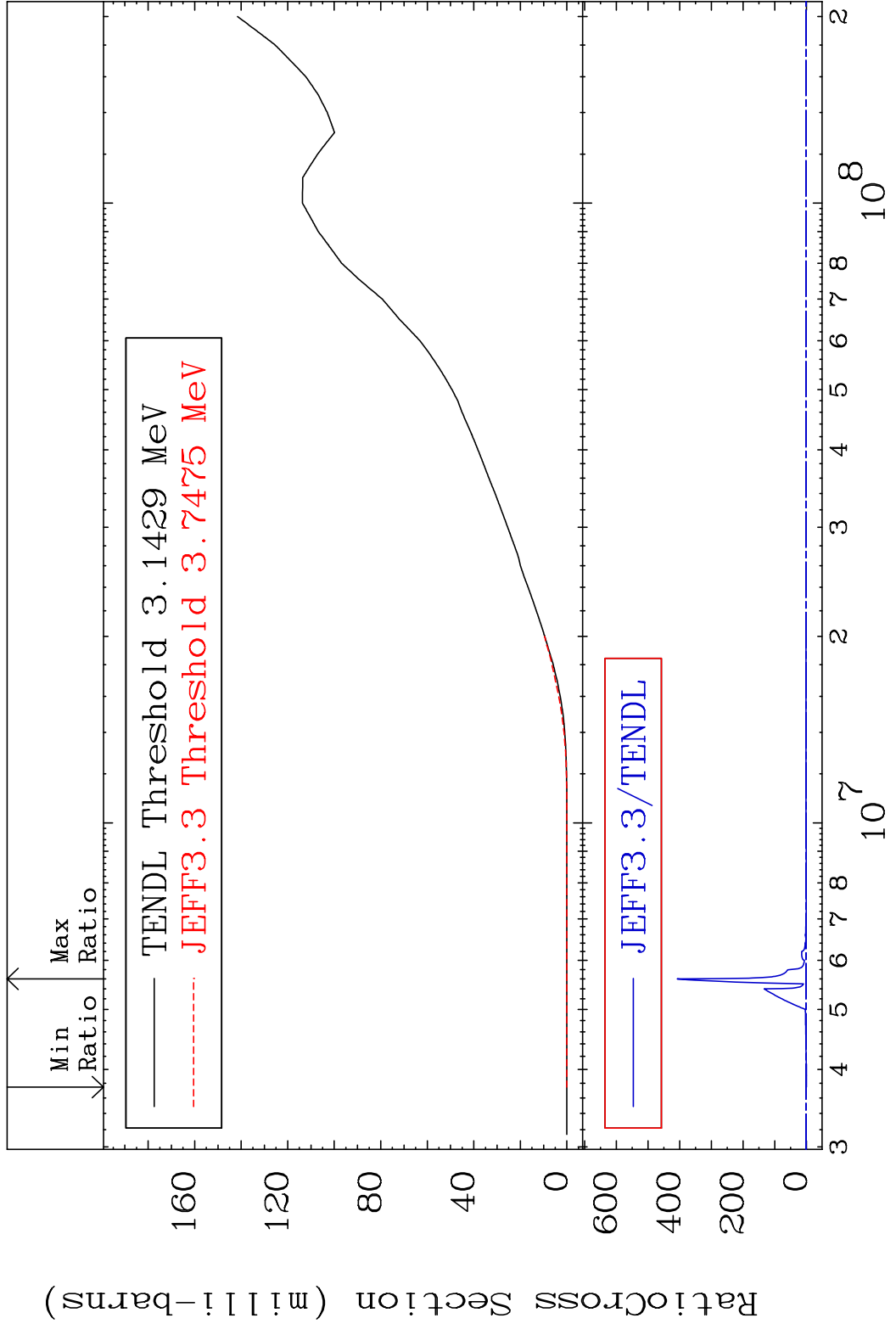
49

Incident Energy (eV)

61-Pm-149

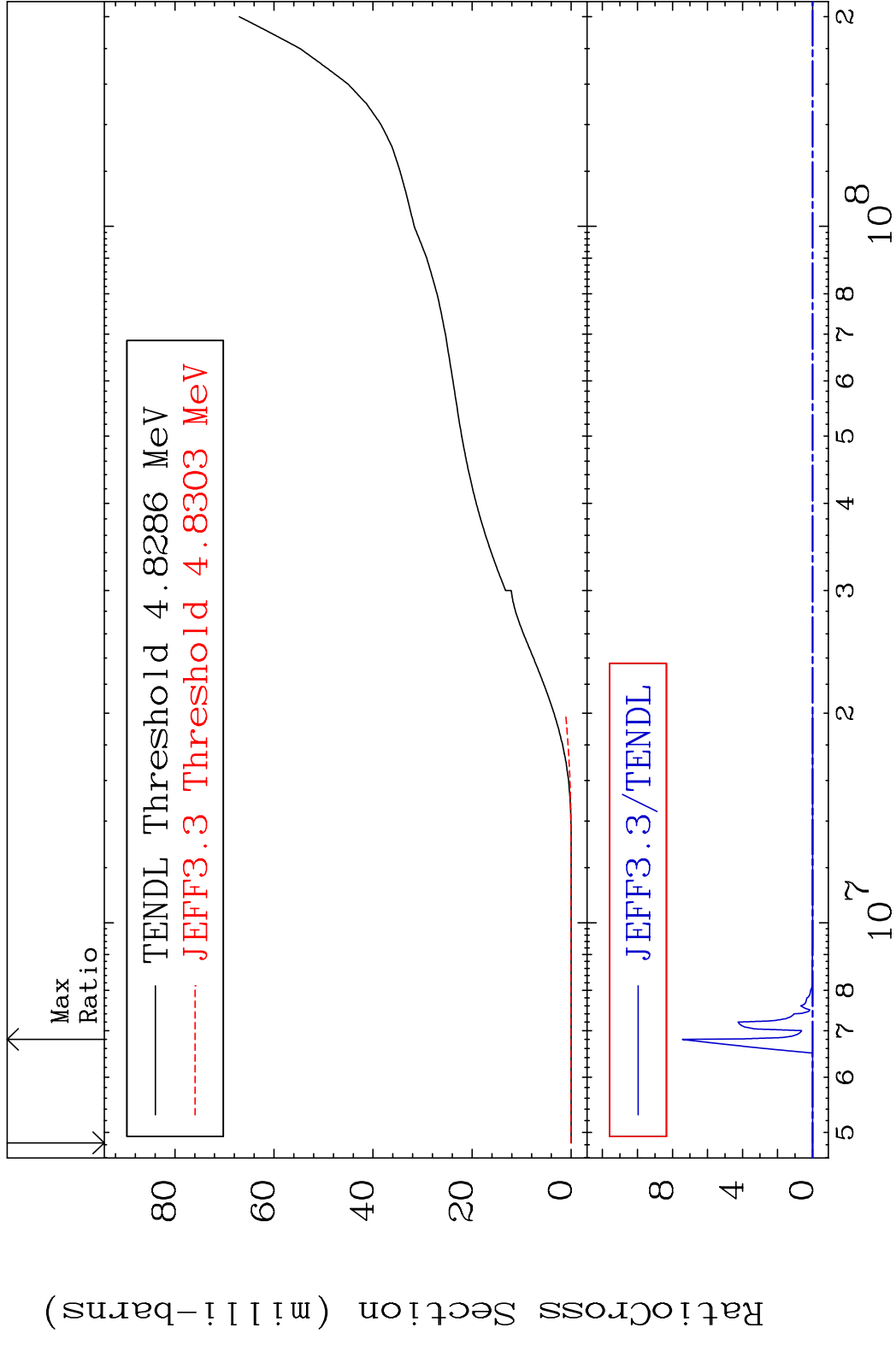
MAT 6155

Deuterium Production 61-Pm-149  
Cross Section -100.0 To 9999. %



MAT 6155

Tritium Production 61-Pm-149  
Cross Section -100.0 To 9999. %

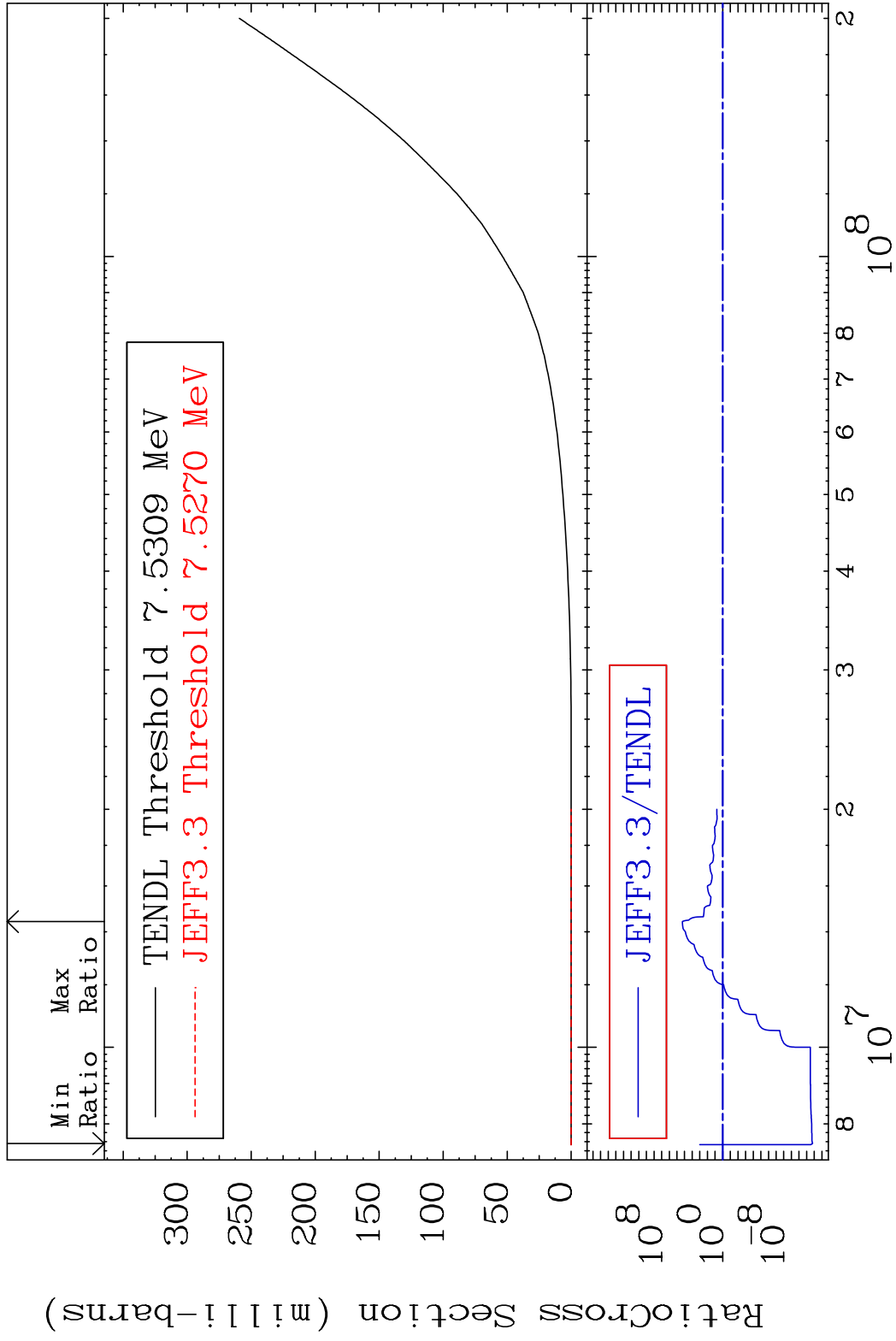


MAT 6155

He-3 Production

61-Pm-149

Cross Section -100.0 To 9999. %

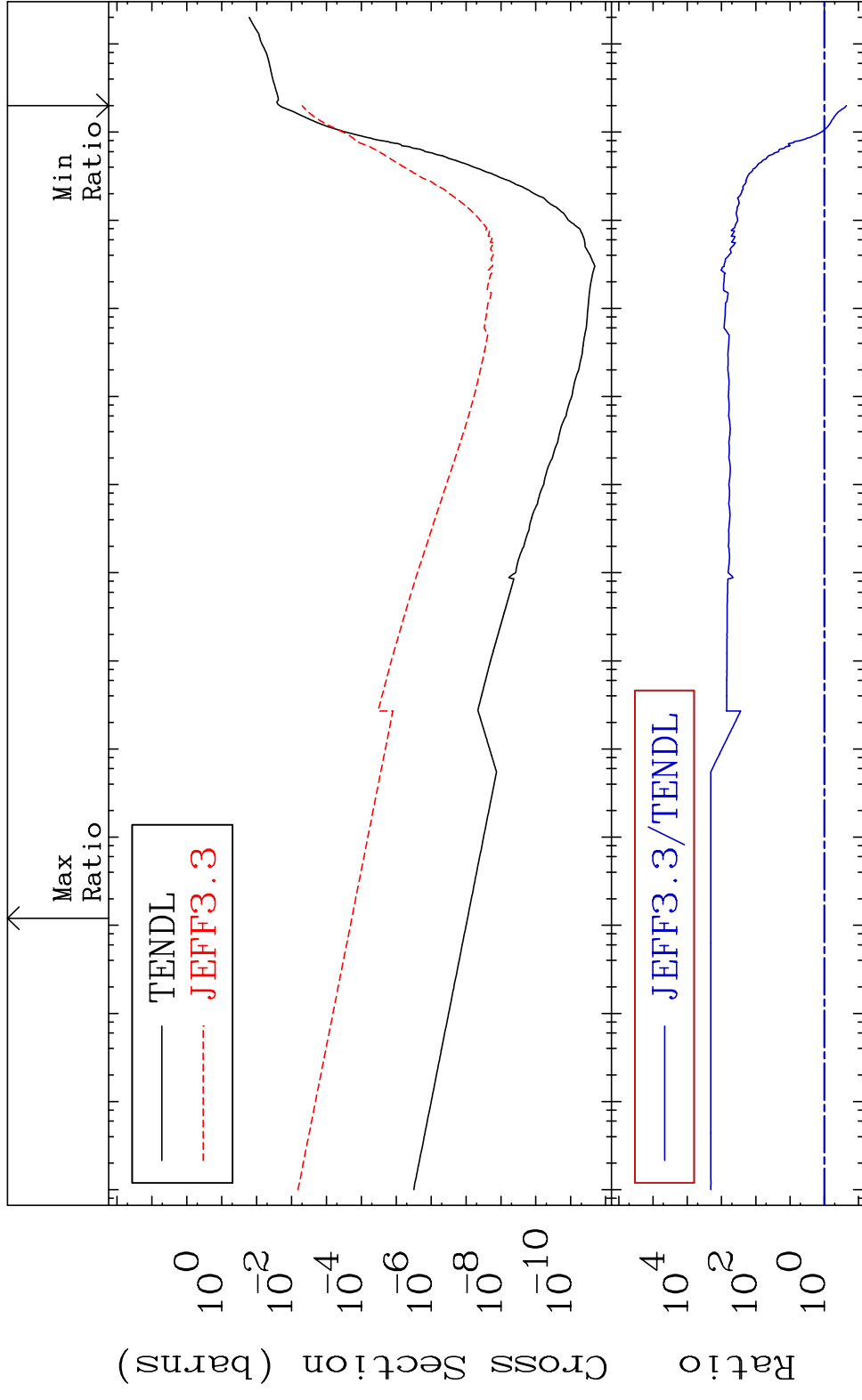


MAT 6155

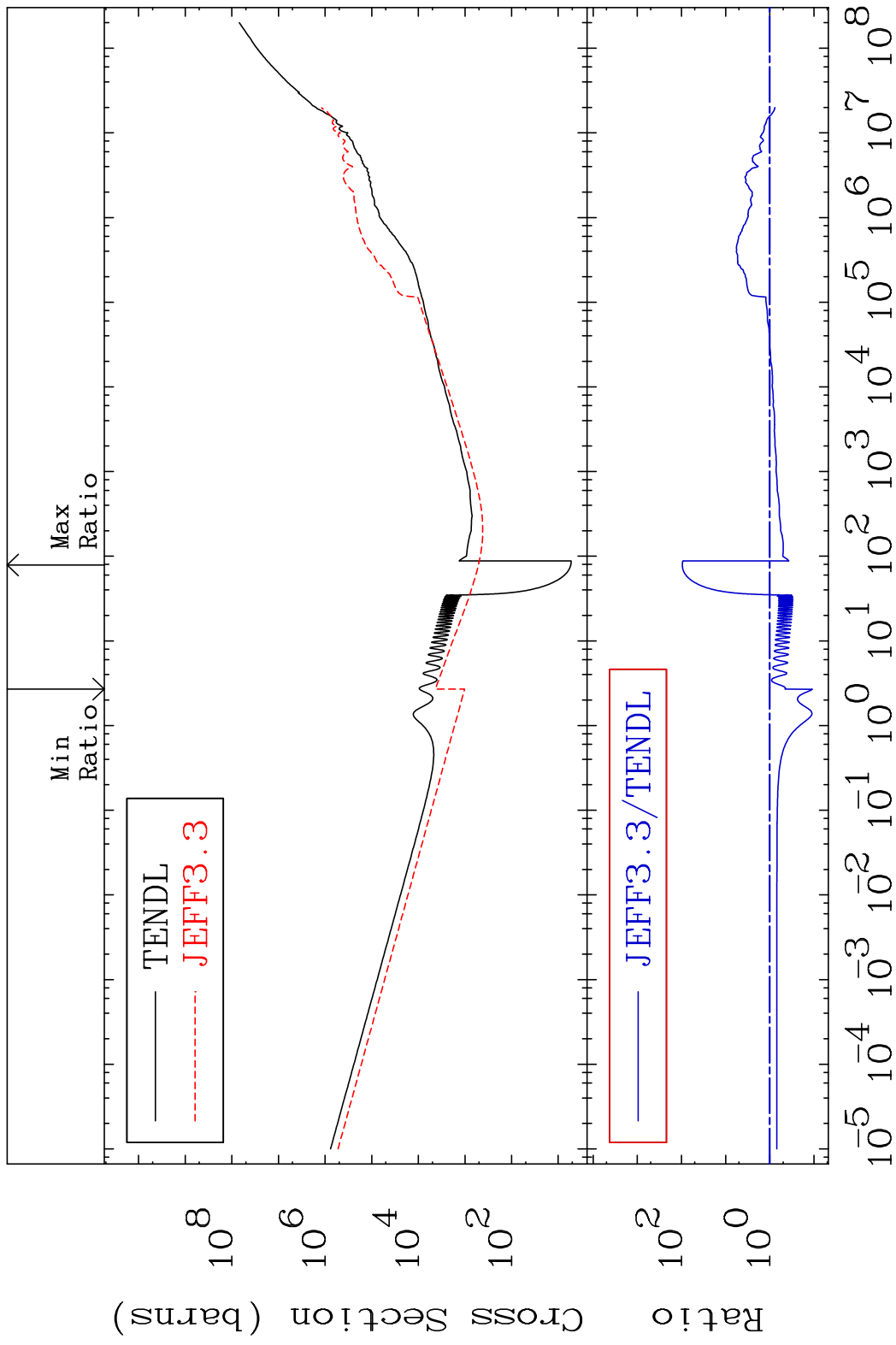
He-4 Production

61-Pm-149

Cross Section -77.18 To 9999. %



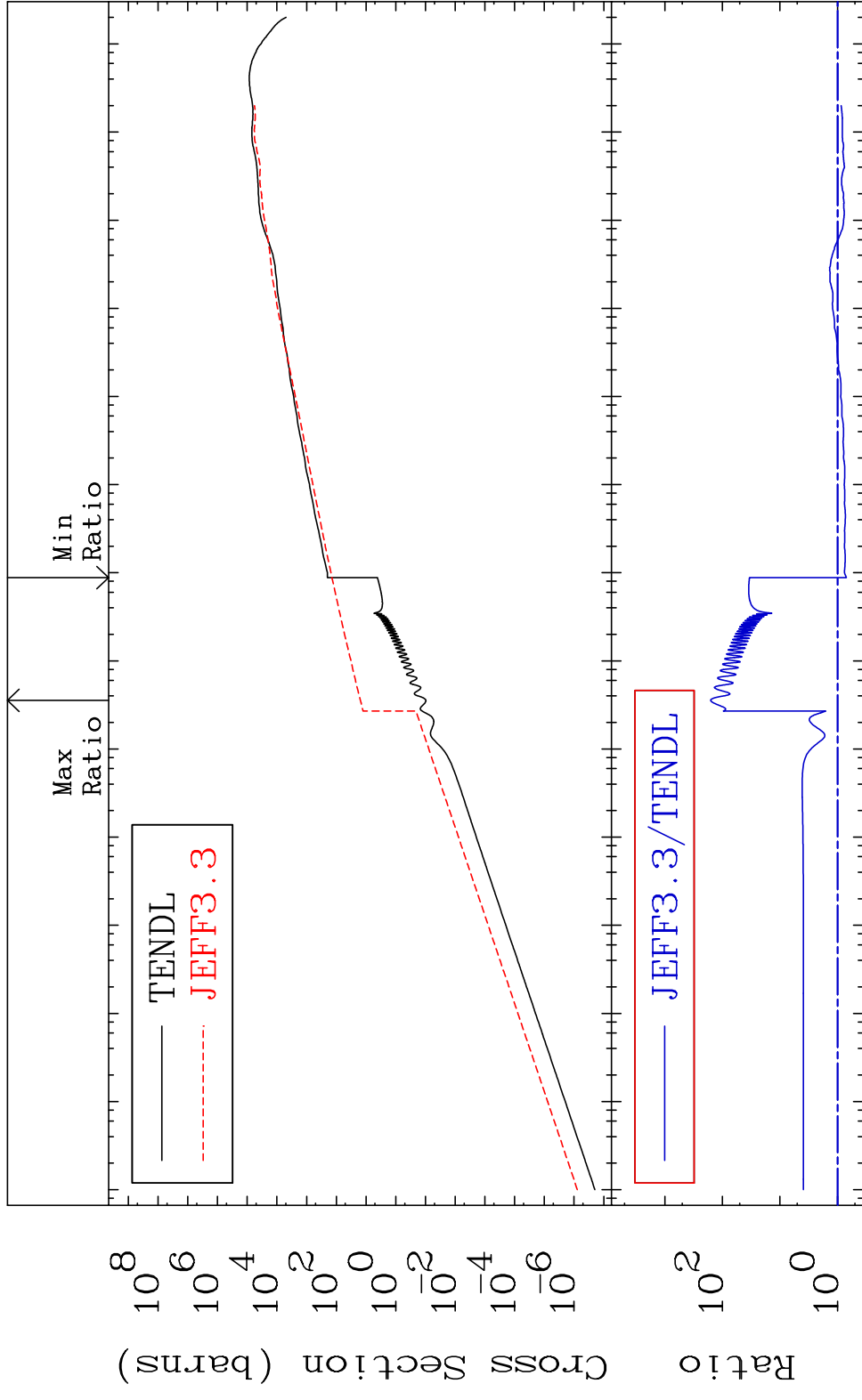
MAT 6155 Kerma total (eV-barns) 61-Pm-149  
 Cross Section -89.25 To 9457. %



MAT 6155

Kerma elastic  
Cross Section

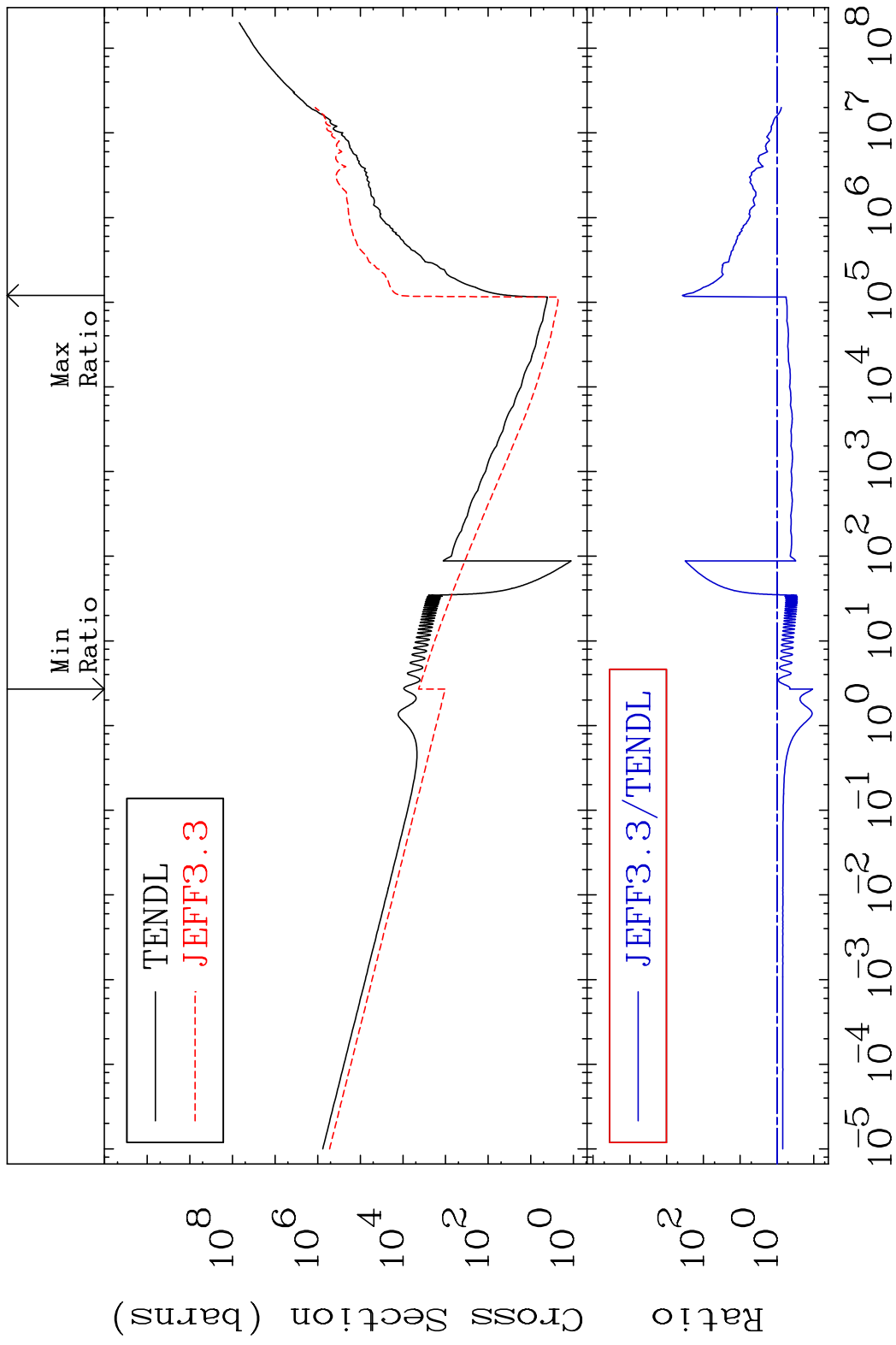
61-Pm-149  
-29.64 To 9999. %



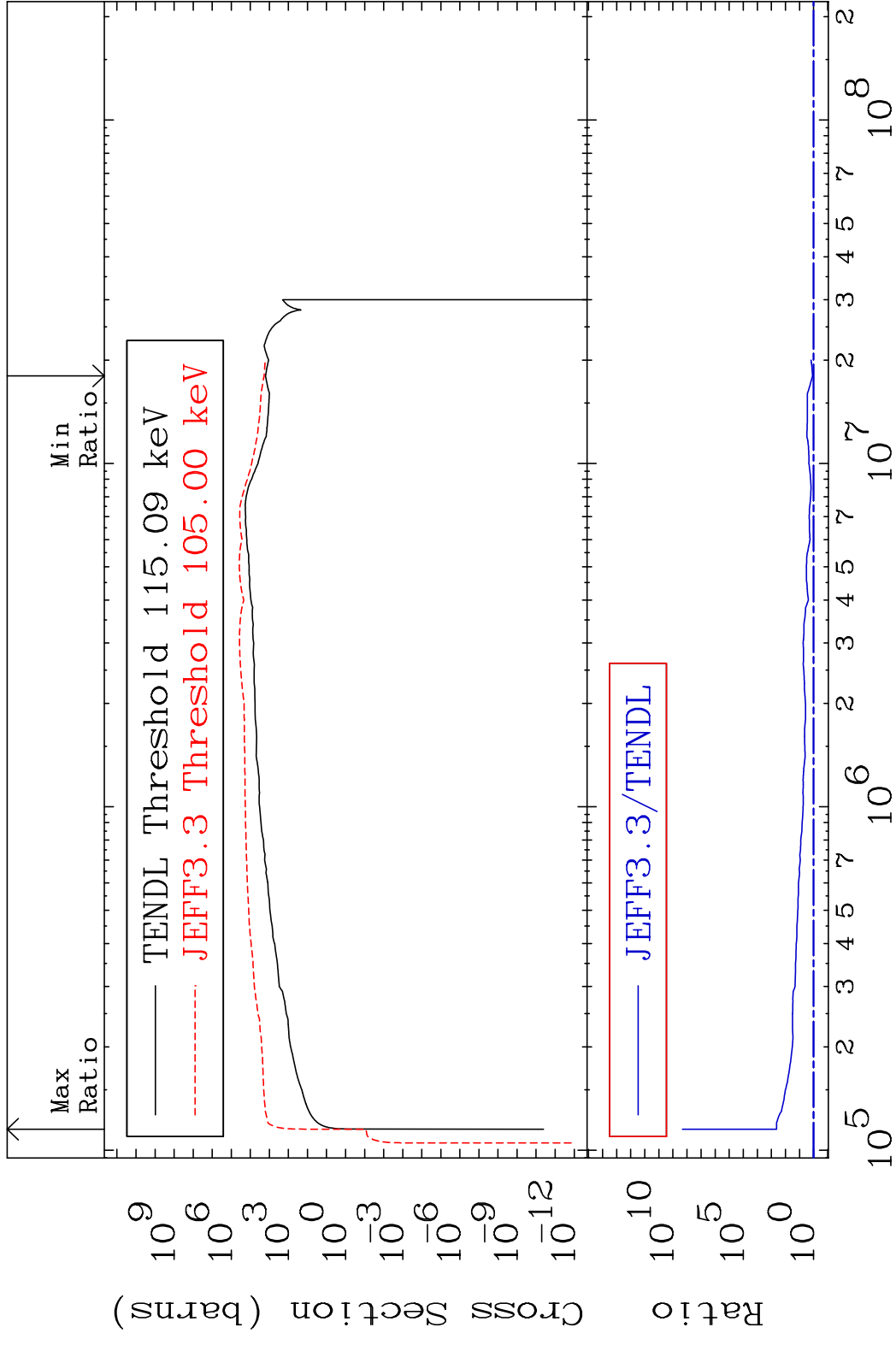
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>



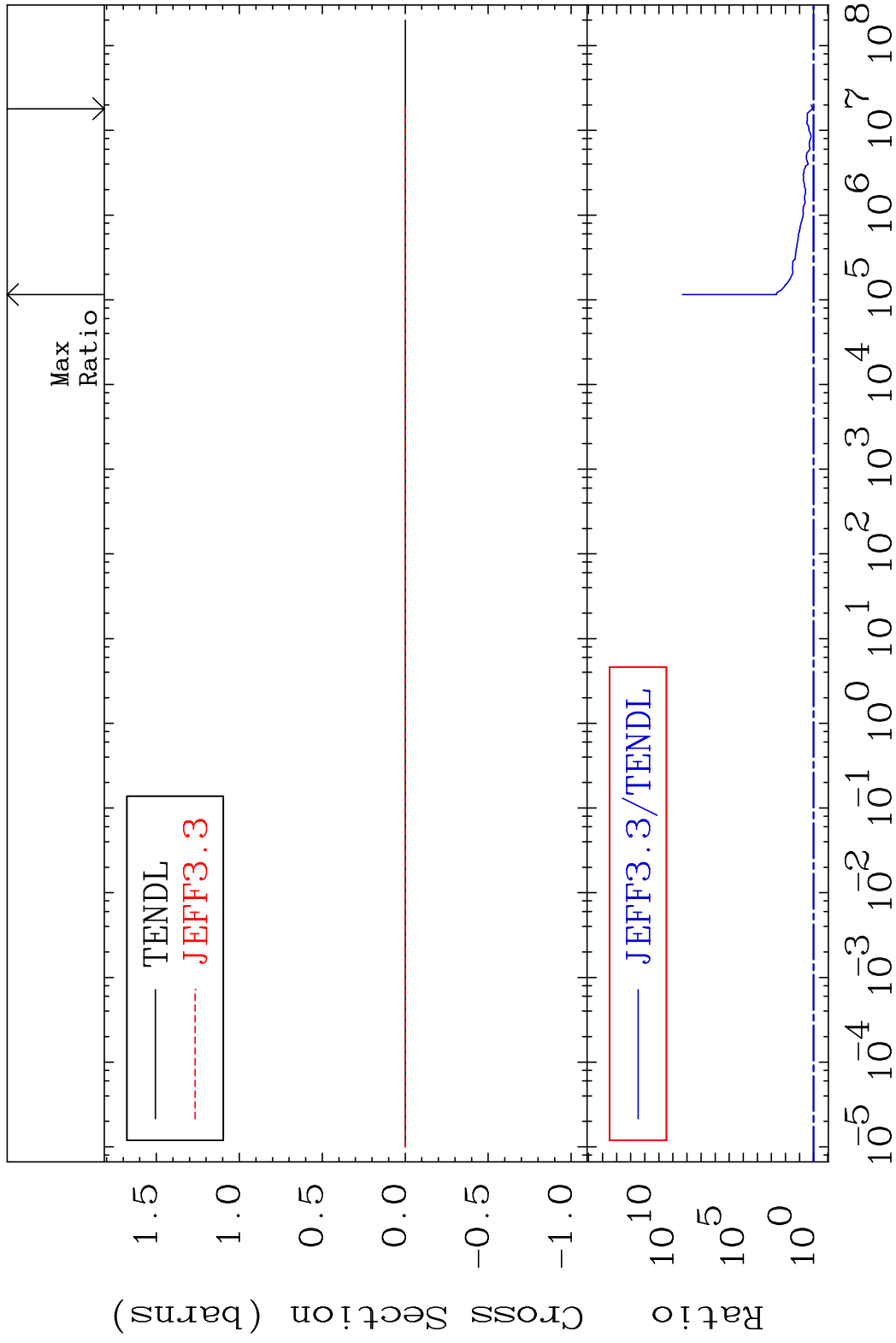
MAT 6155 Kerma non-elastic (all but mt2) 61-Pm-149  
 Cross Section -89.25 To 9999. %



MAT 6155 Kerma inelastic (mt51-91) 61-Pm-149  
 Cross Section 18.53 To 9999. %

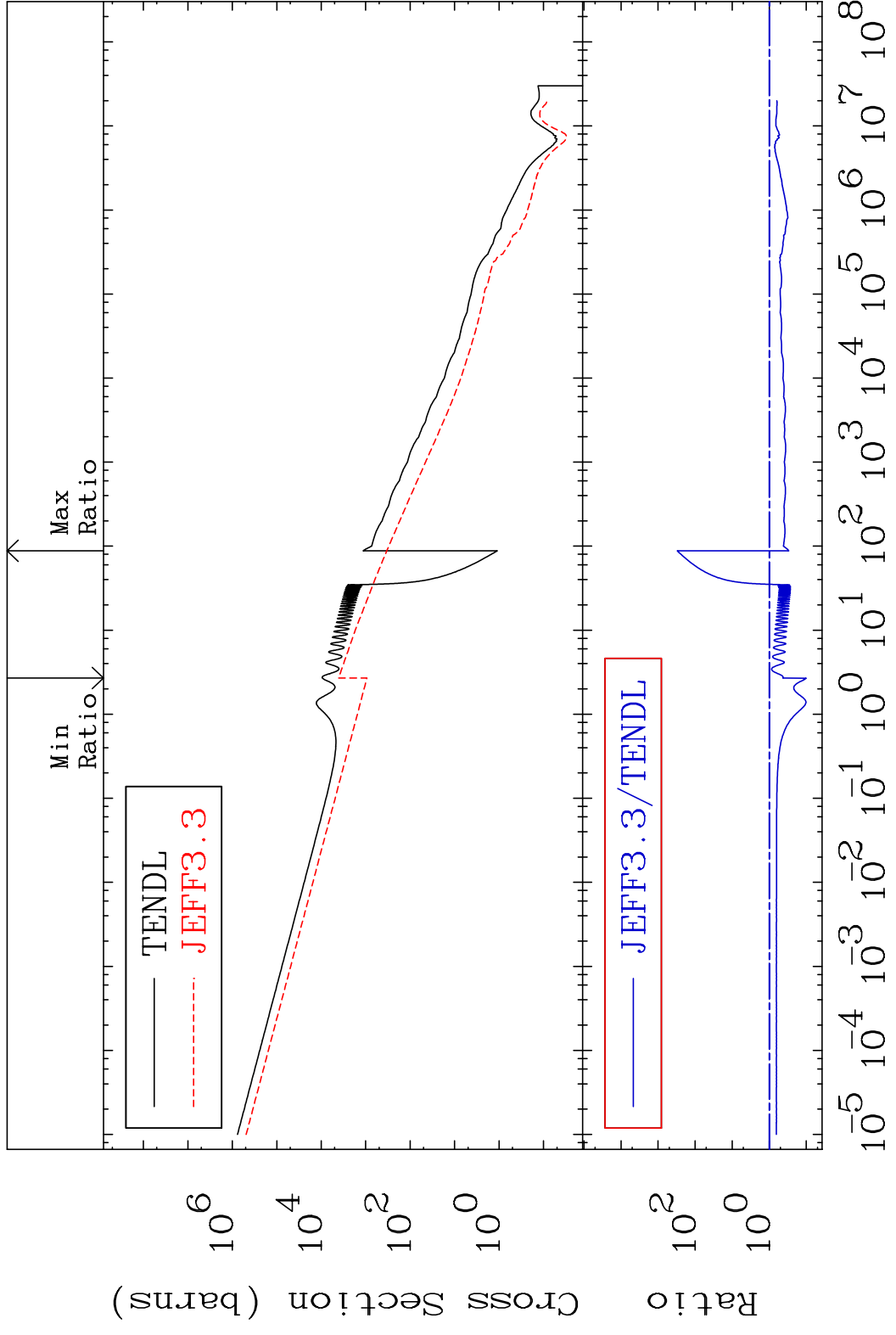


MAT 6155 Kerma fission (mt18 or mt19-20-21-38) 61-Pm-149  
 Cross Section 18.53 To 9999. %

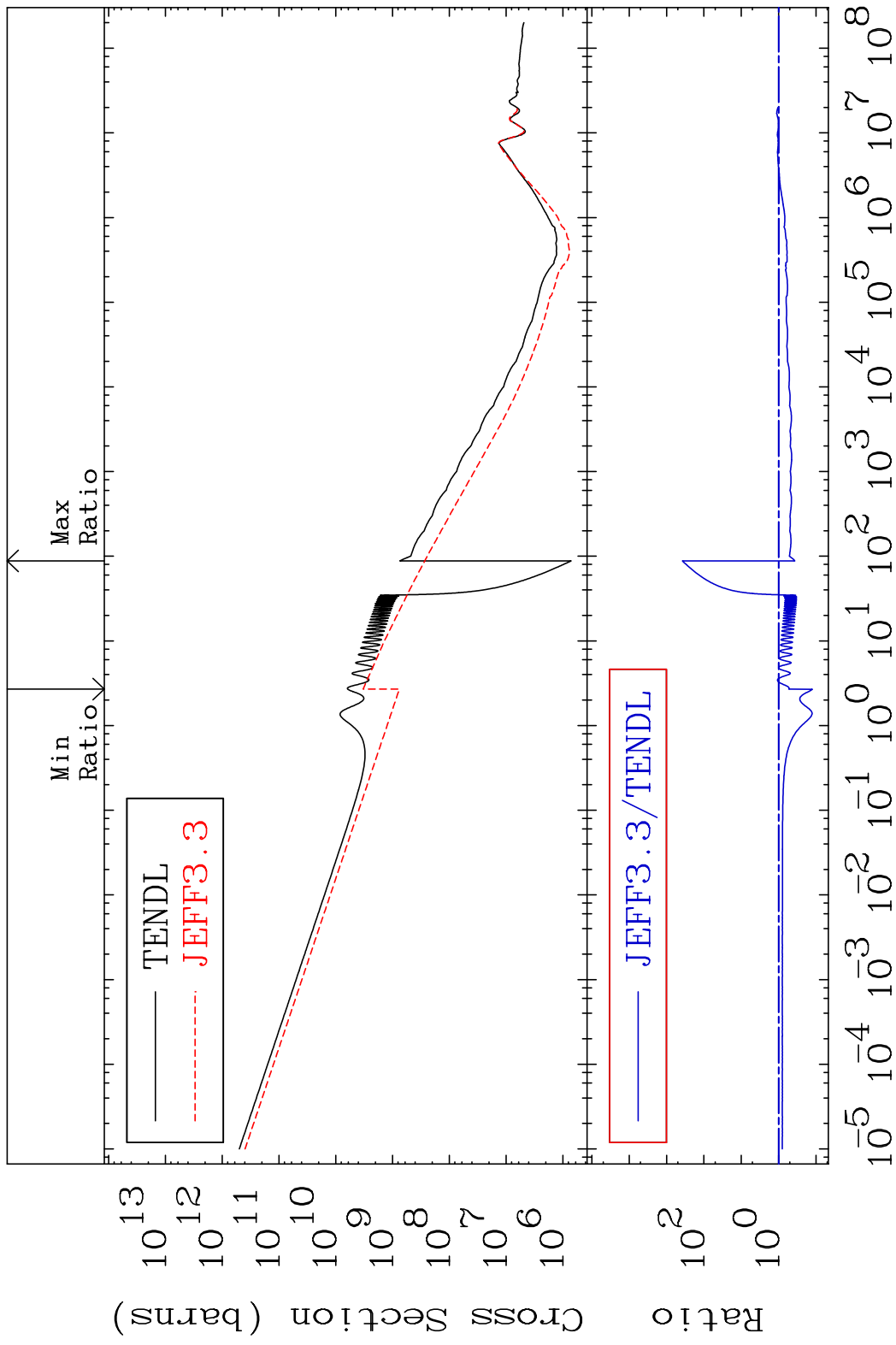


MAT 6155

Kerma capture (mt102) 61-Pm-149  
Cross Section -90.08 To 9999. %

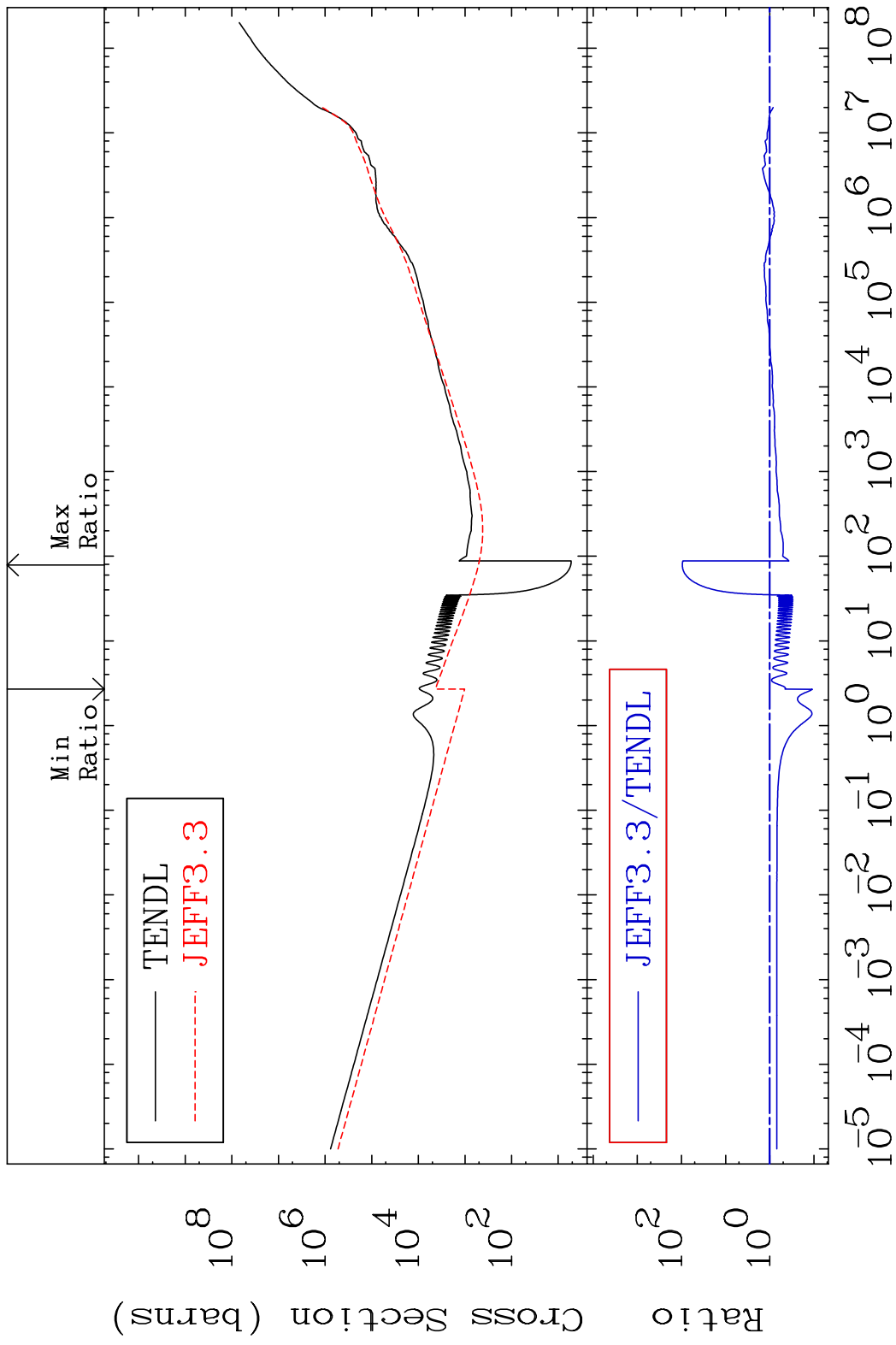


MAT 6155 Total photon (eV-barns) 61-Pm-149  
 Cross Section -87.70 To 9999. %



60 Incident Energy (eV) 61-Pm-149

MAT 6155 Total kinematic kerma (high limit) 61-Pm-149  
 Cross Section -89.25 To 9457. %

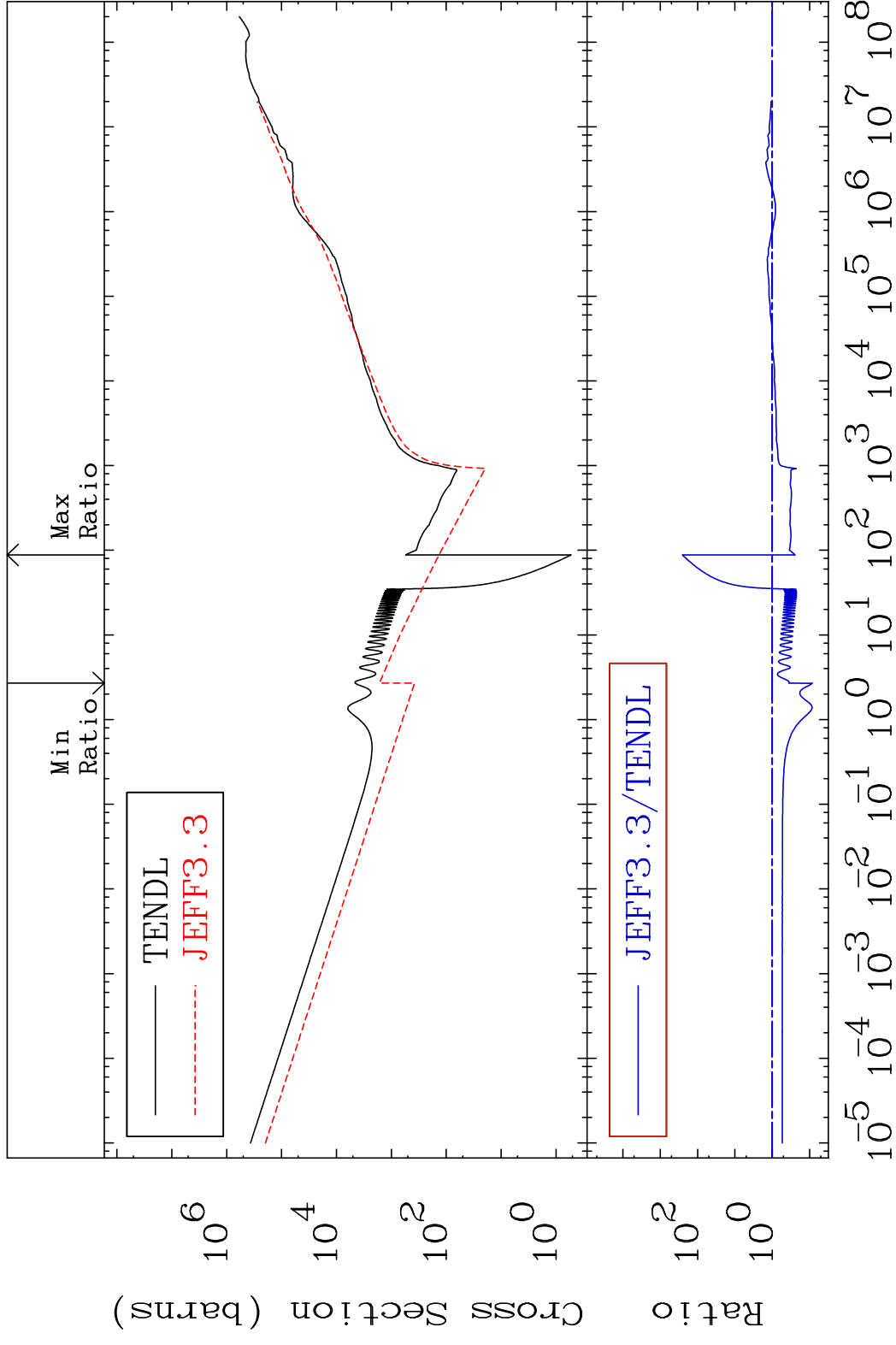


MAT 6155

Dpa total (eV-barns)

61-Pm-149

Cross Section -91.67 To 9999. %



62

Incident Energy (eV)

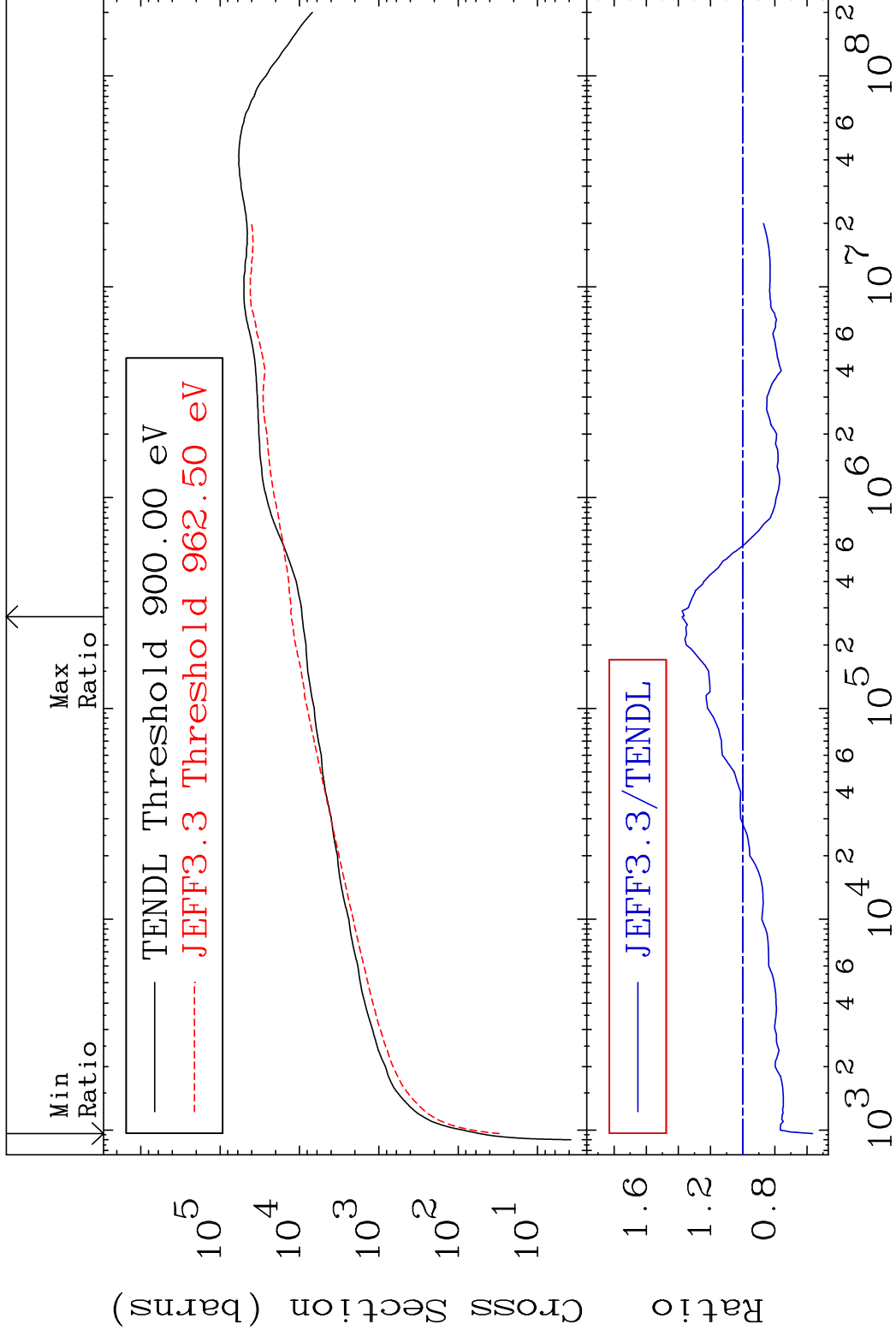
61-Pm-149

MAT 6155

Dpa elastic (mt2)

61-Pm-149

Cross Section -43.39 To 37.66 %



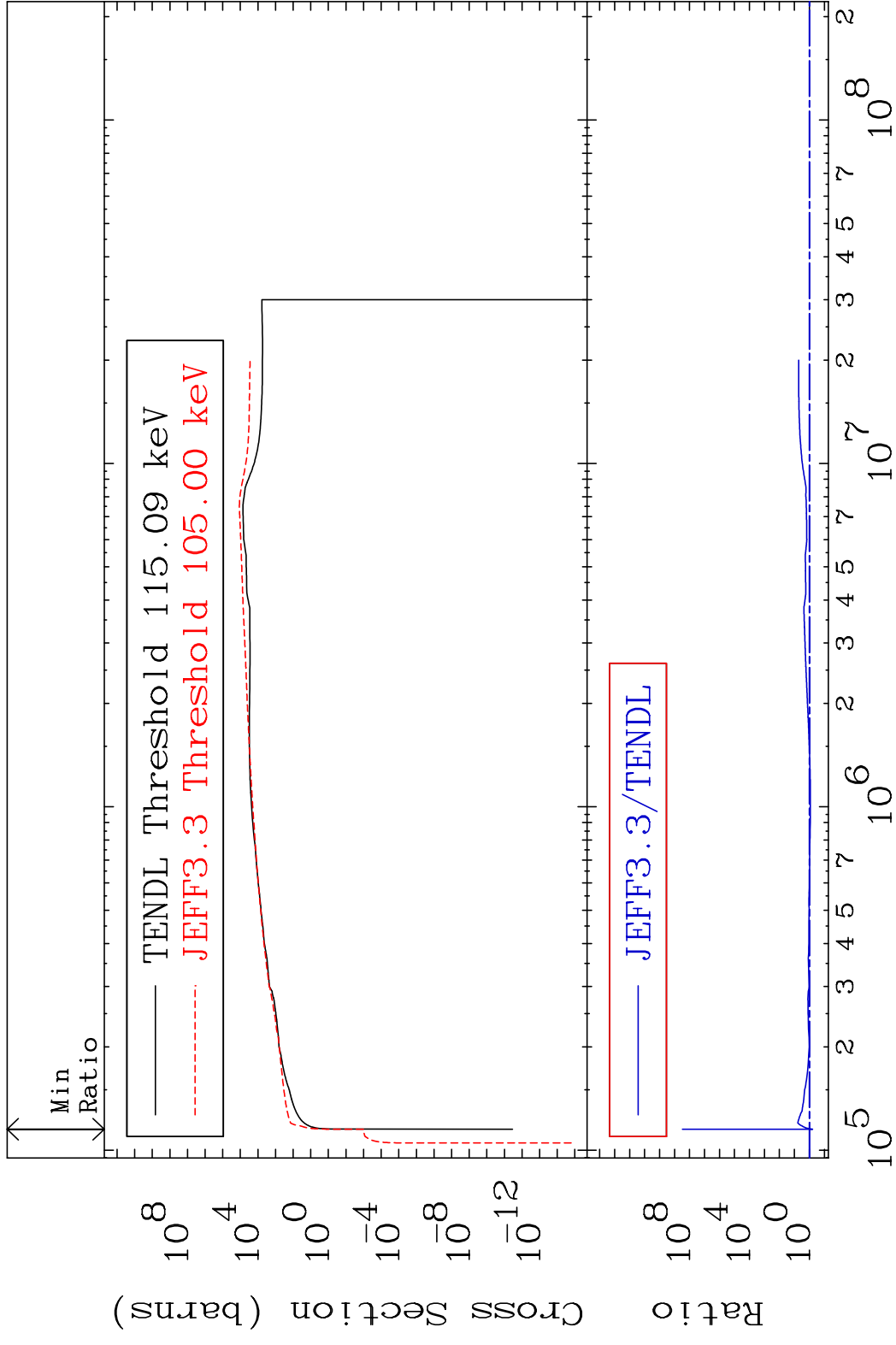
63

Incident Energy (eV)

61-Pm-149

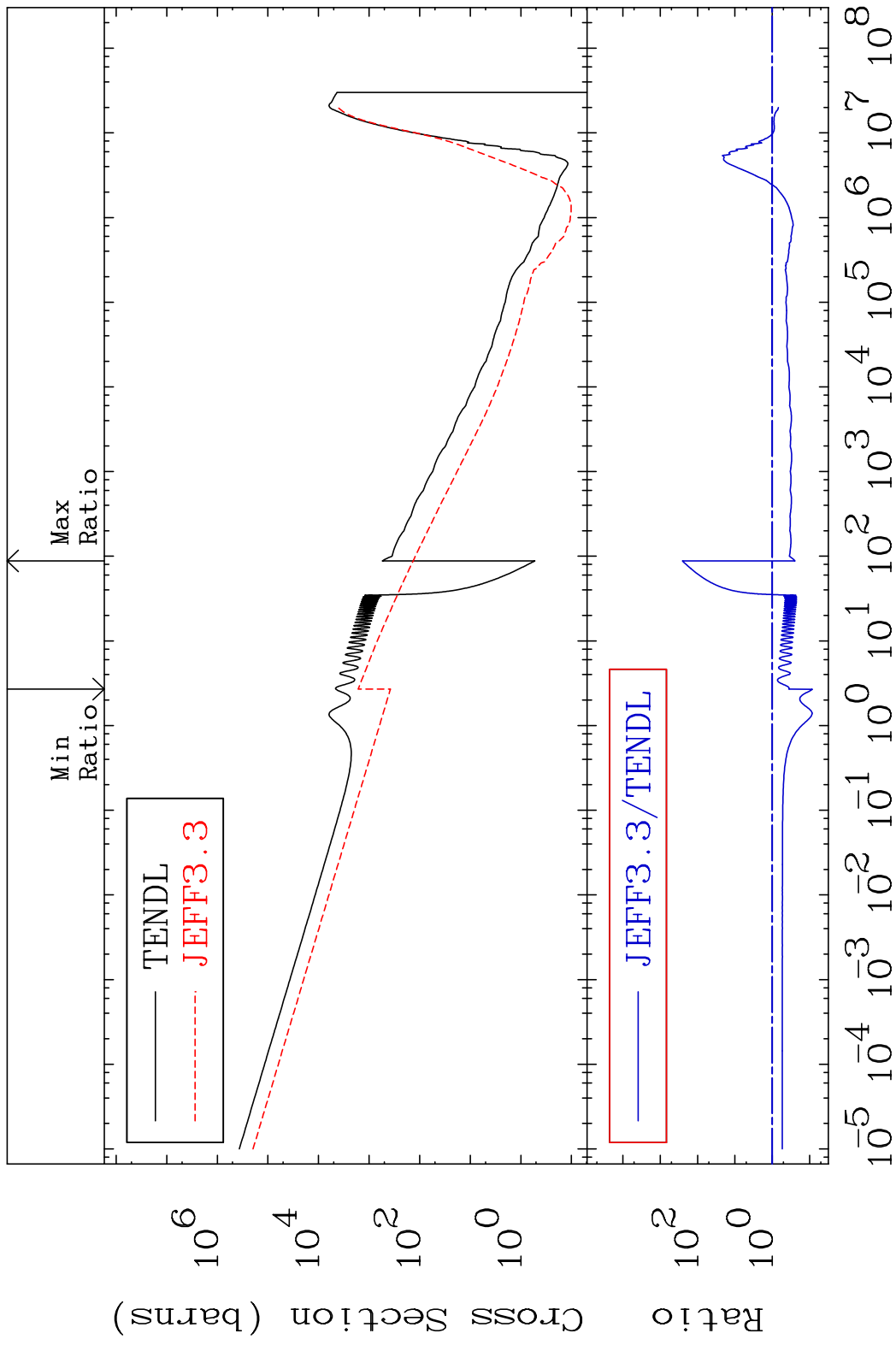


MAT 6155      Dpa inelastic (mt51-91)      61-Pm-149  
 Cross Section    -38.68 To 9999. %



64      Incident Energy (eV)      61-Pm-149

MAT 6155 Dpa disappearance (mt102 -120) 61-Pm-149  
 Cross Section -91.67 To 9999. %



65 Incident Energy (eV) 61-Pm-149