

Program Complot  
(Version 2021-1)

by

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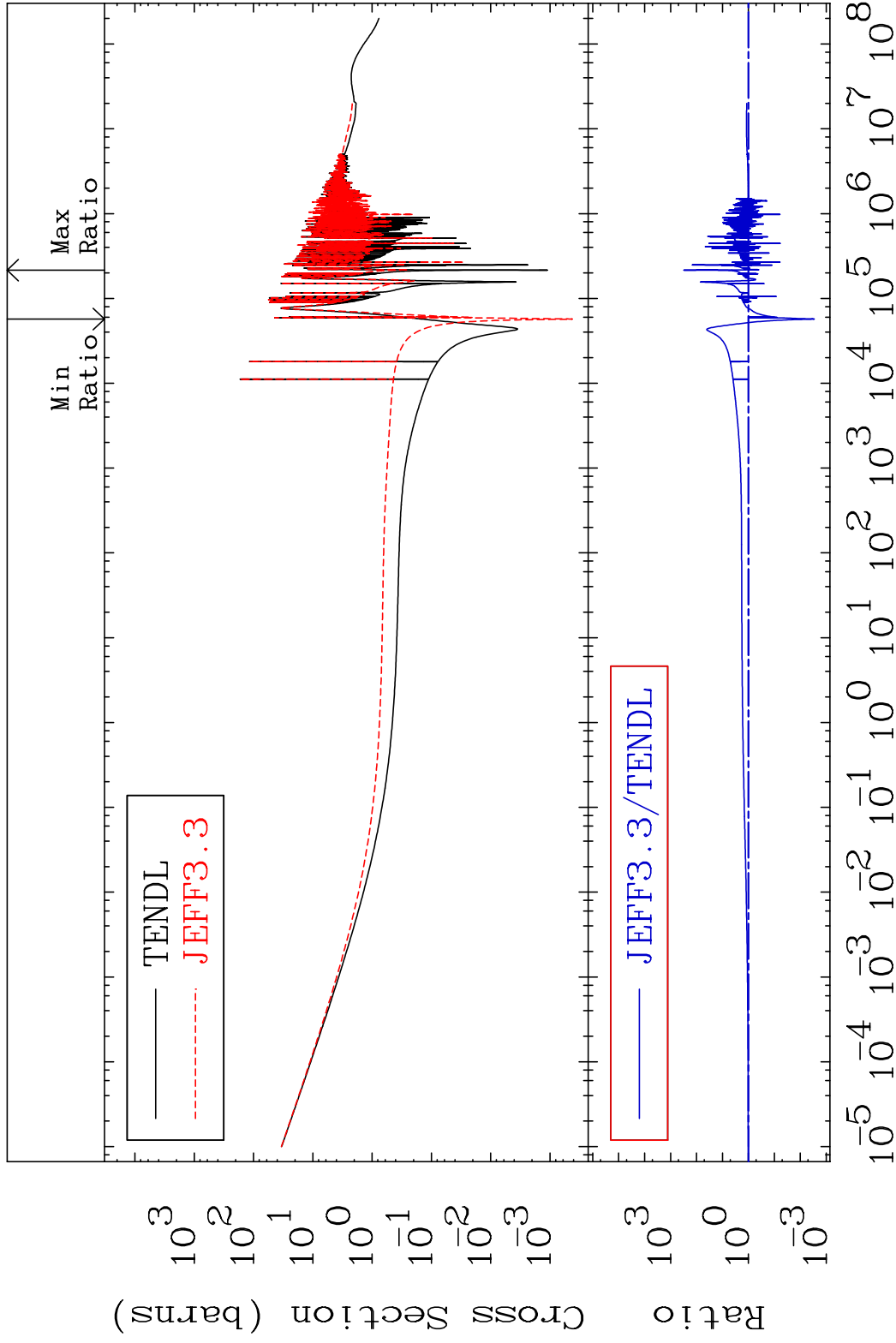
Press Mouse Button to Start

MAT 1837

Total

18-Ar-40

Cross Section -99.71 To 9999. %



1

Incident Energy (eV)

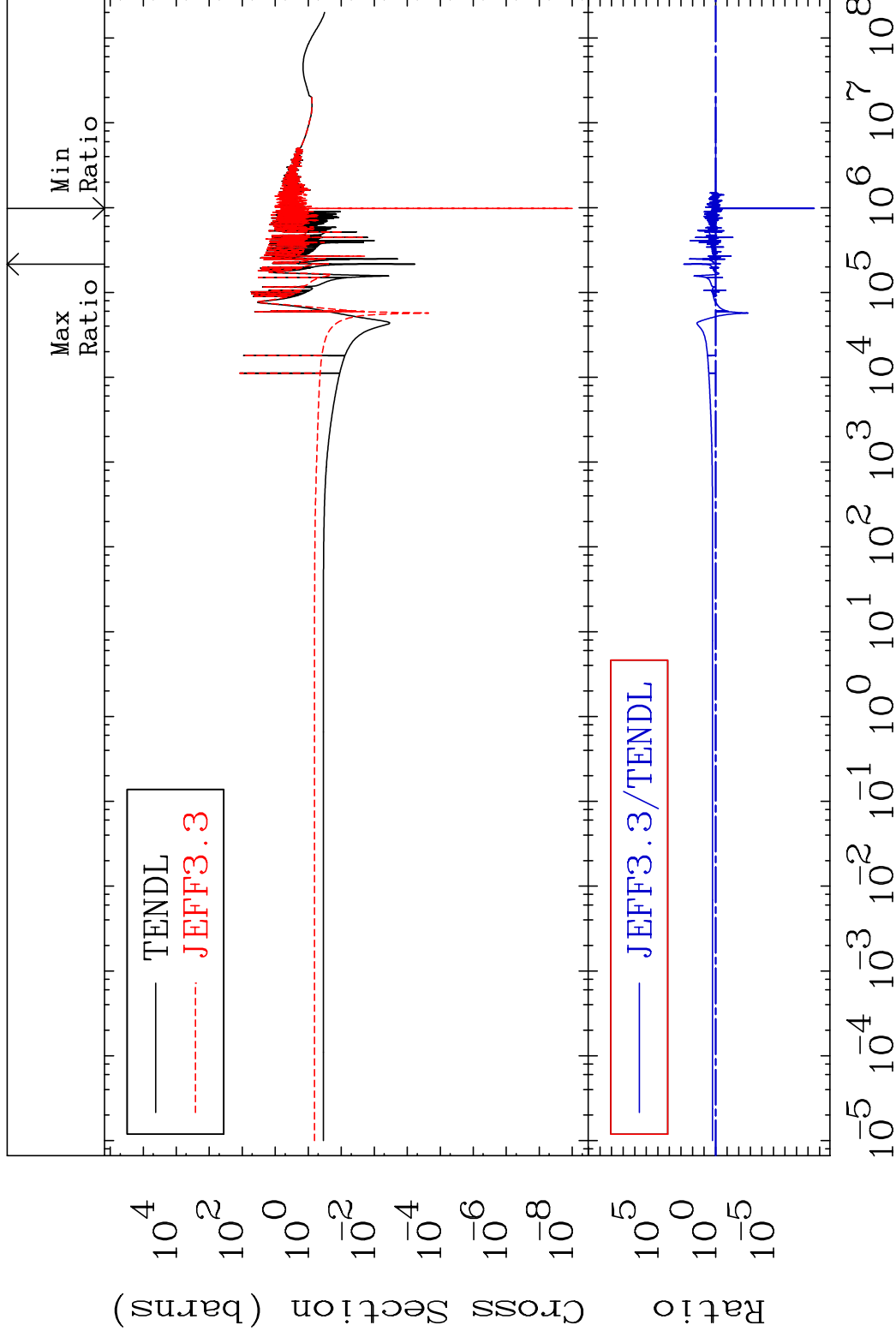
18-Ar-40

MAT 1837

Elastic

18-Ar-40

Cross Section -100.0 To 9999. %

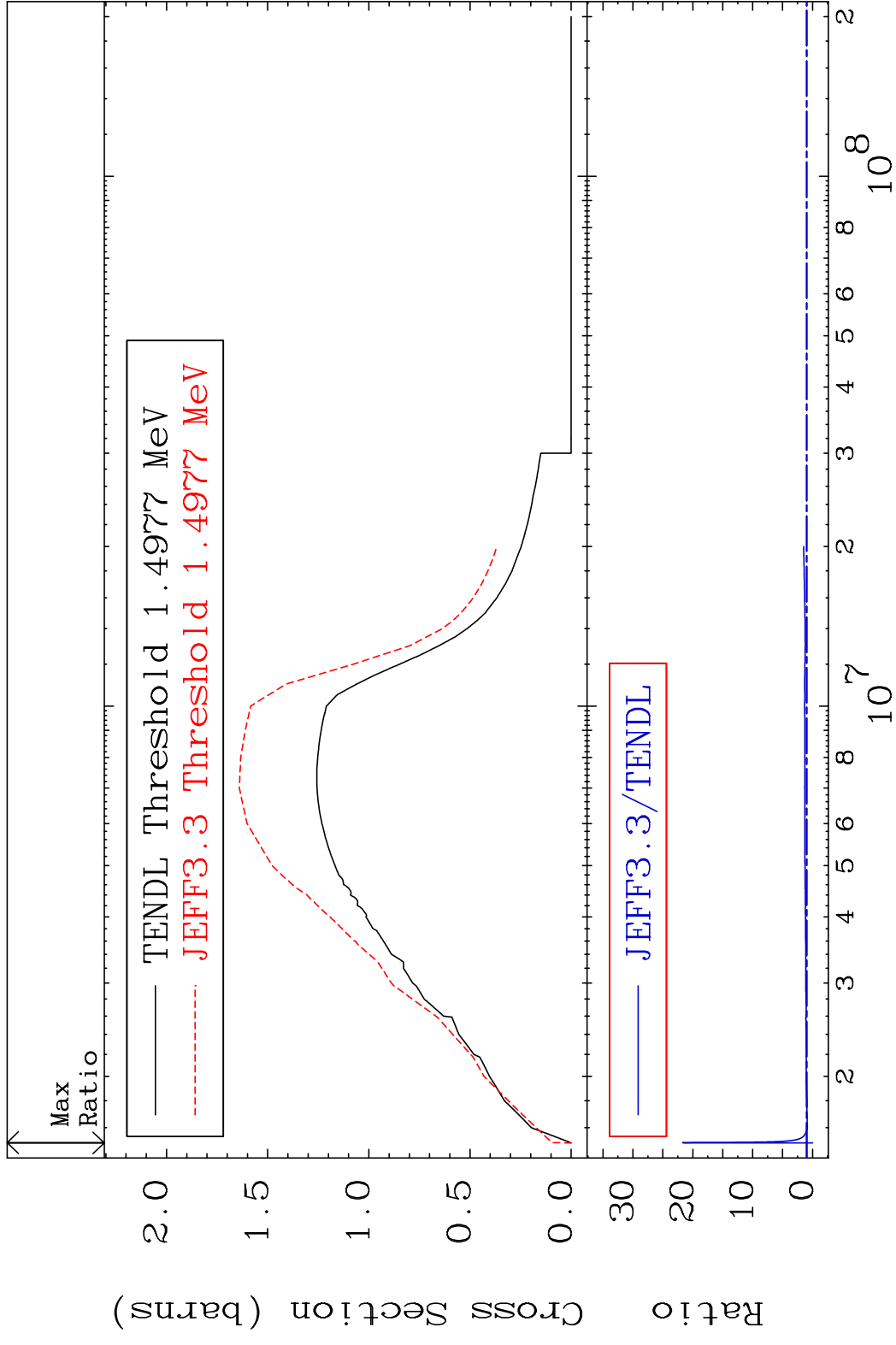


2

Incident Energy (eV)

18-Ar-40

MAT 1837 Inelastic 18-Ar-40  
 Cross Section -100.0 To 2074. %



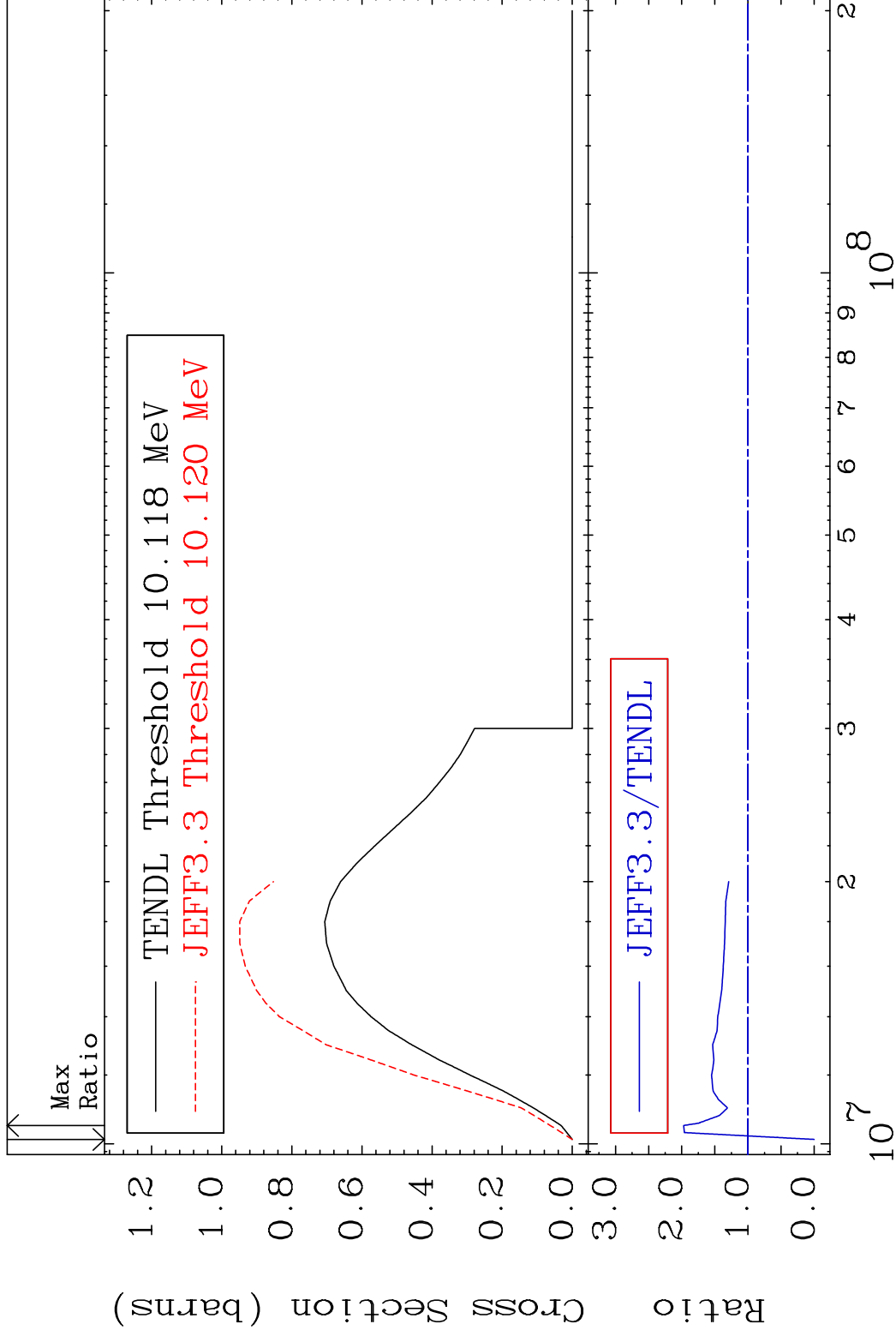
3 Incident Energy (eV) 18-Ar-40

MAT 1837

(n,2n)

18-Ar-40

Cross Section -100.0 To 97.08 %



4

Incident Energy (eV)

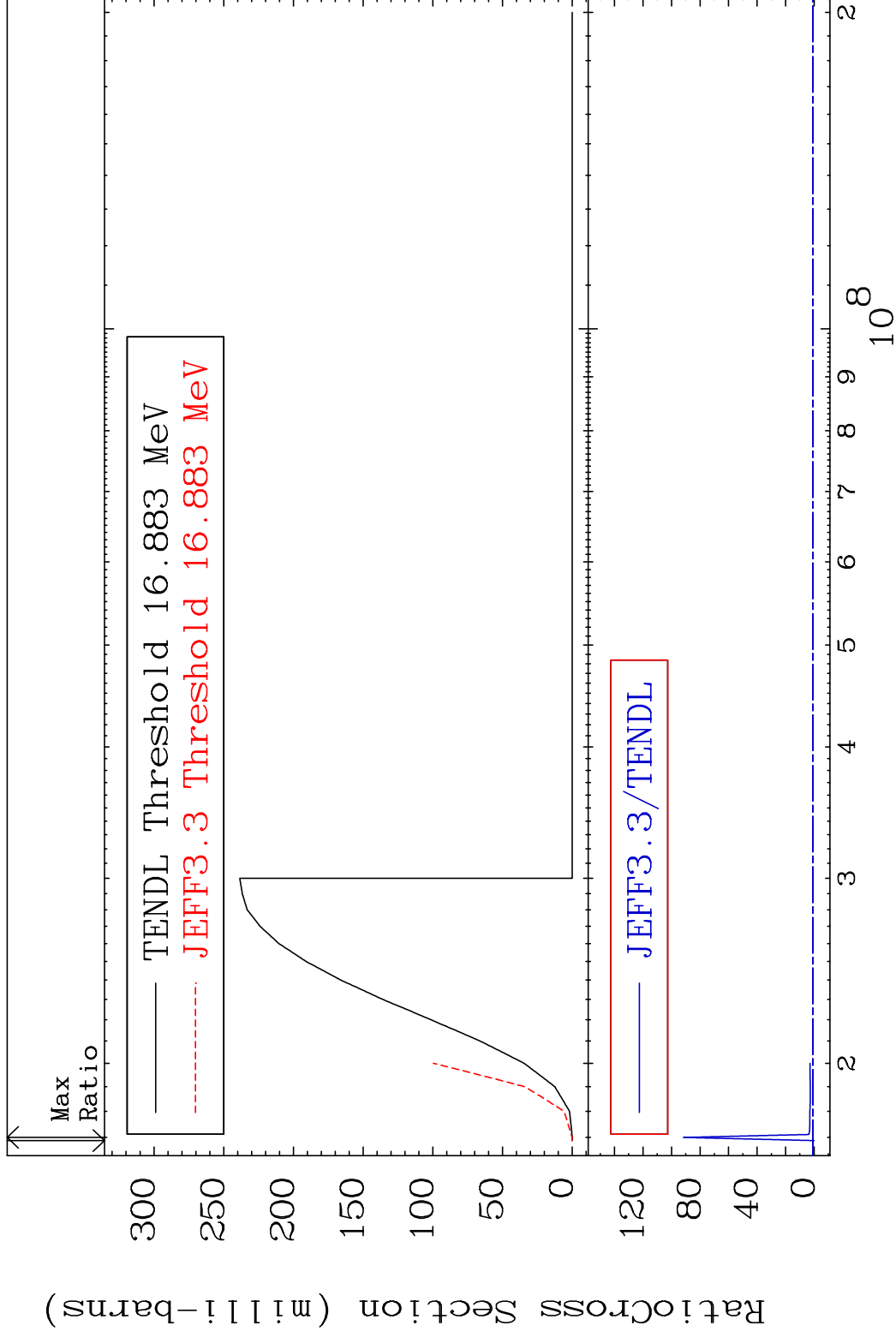
18-Ar-40

MAT 1837

(n,3n)

18-Ar-40

Cross Section -100.0 To 9049. %

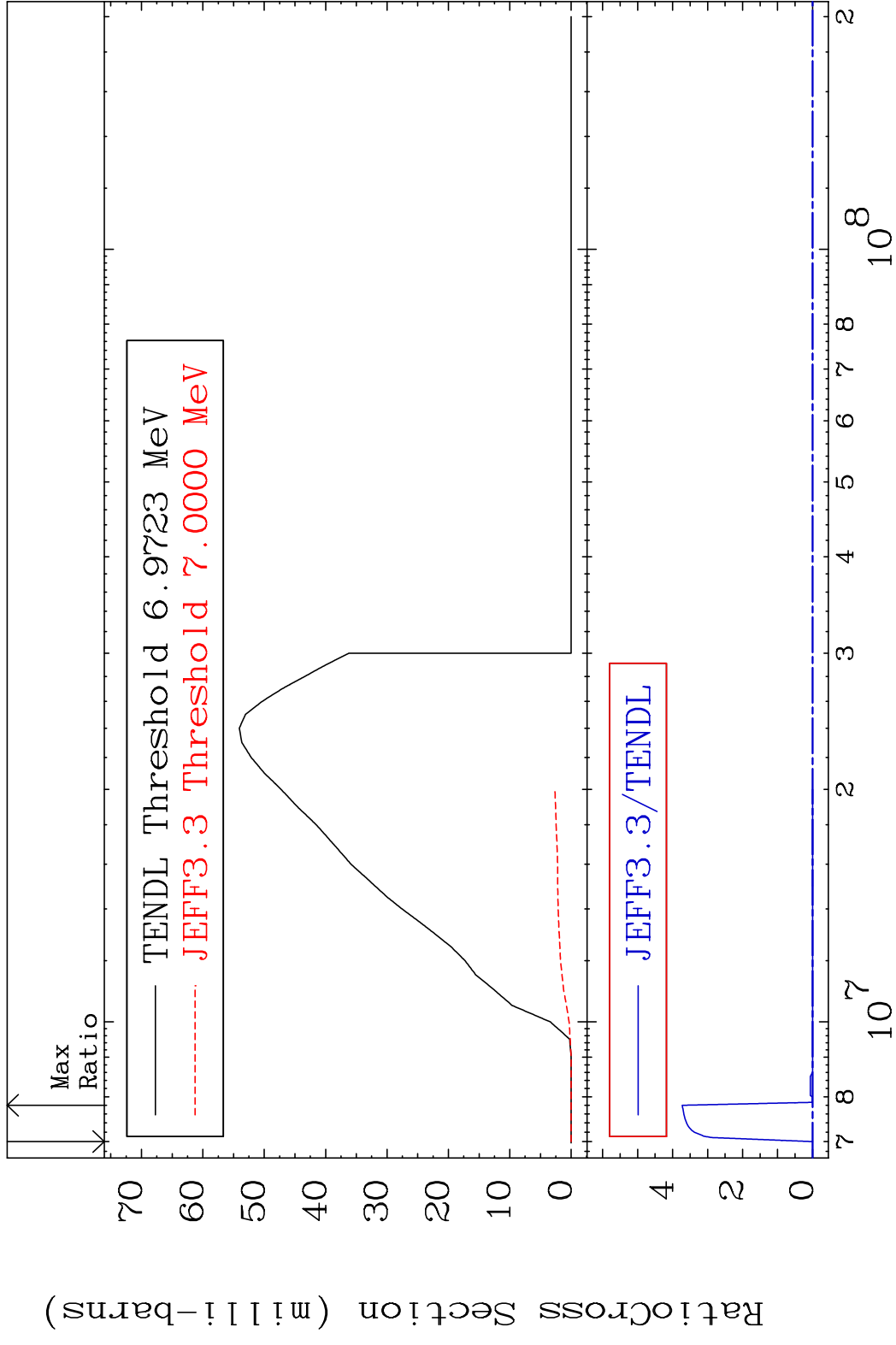


5

Incident Energy (eV)

18-Ar-40

MAT 1837 (n, n')  $\alpha$  18-Ar-40  
 Cross Section -100.0 To 9999. %

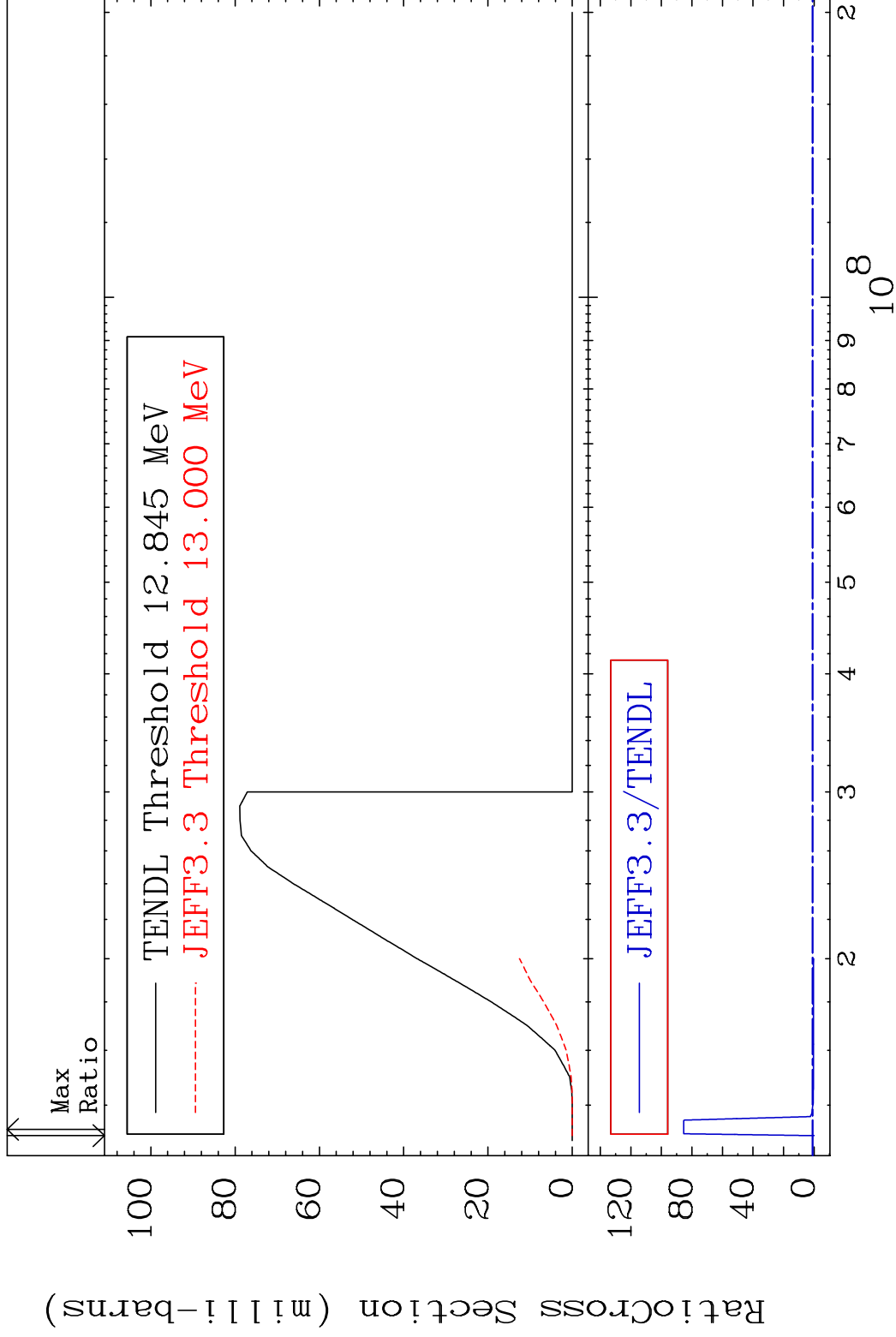


MAT 1837

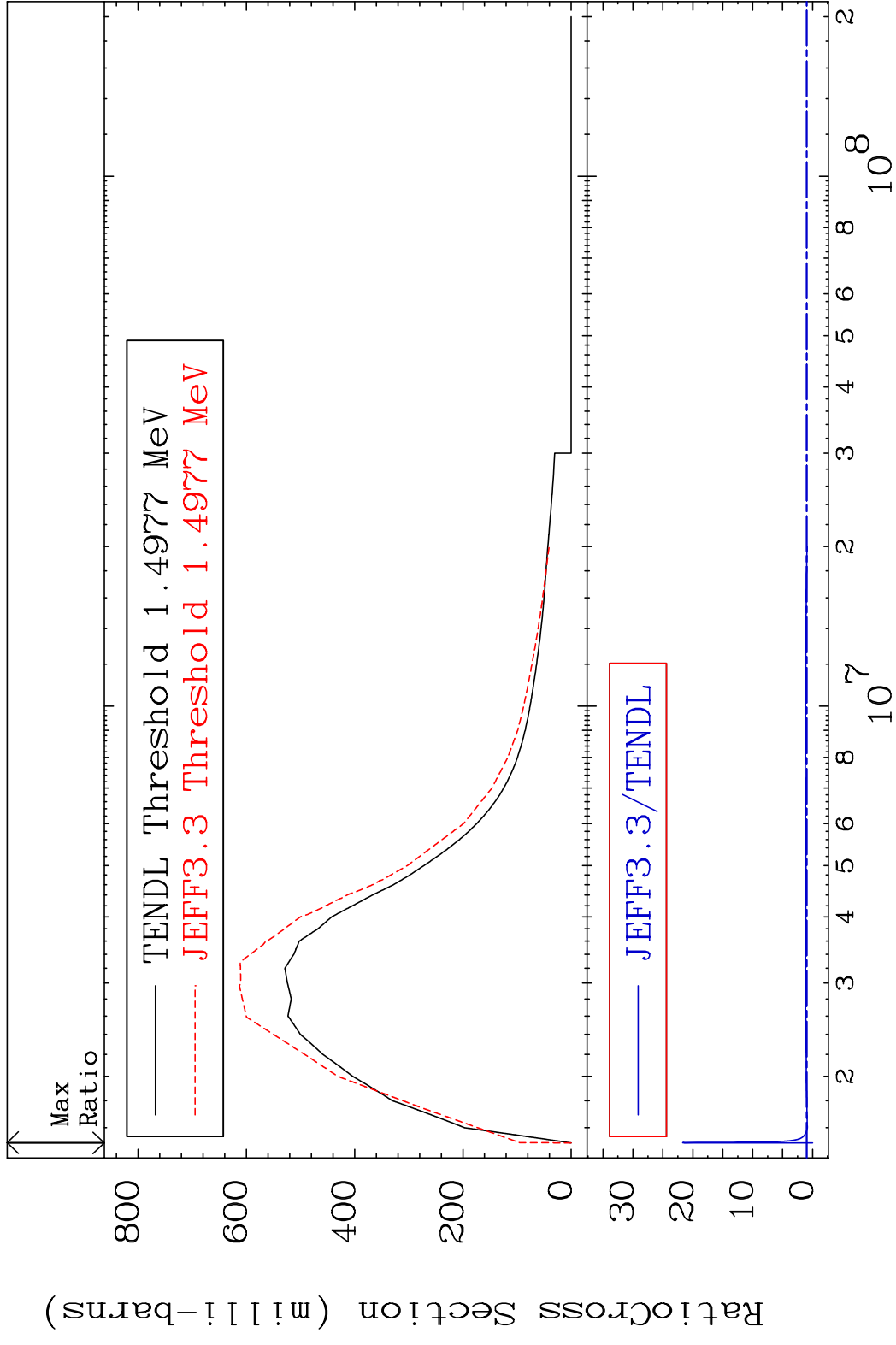
(n, n') p

18-Ar-40

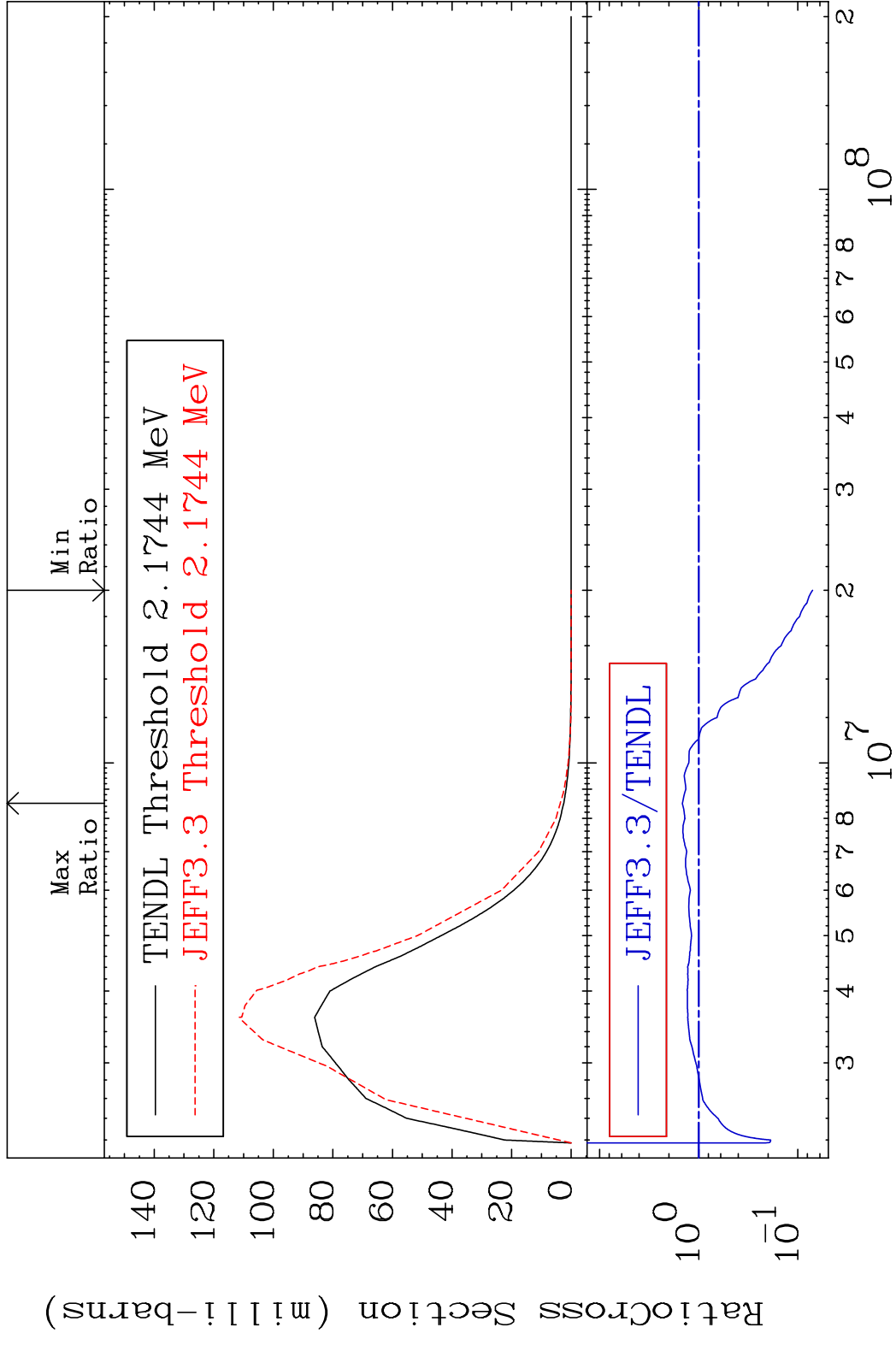
Cross Section -100.0 To 8442. %



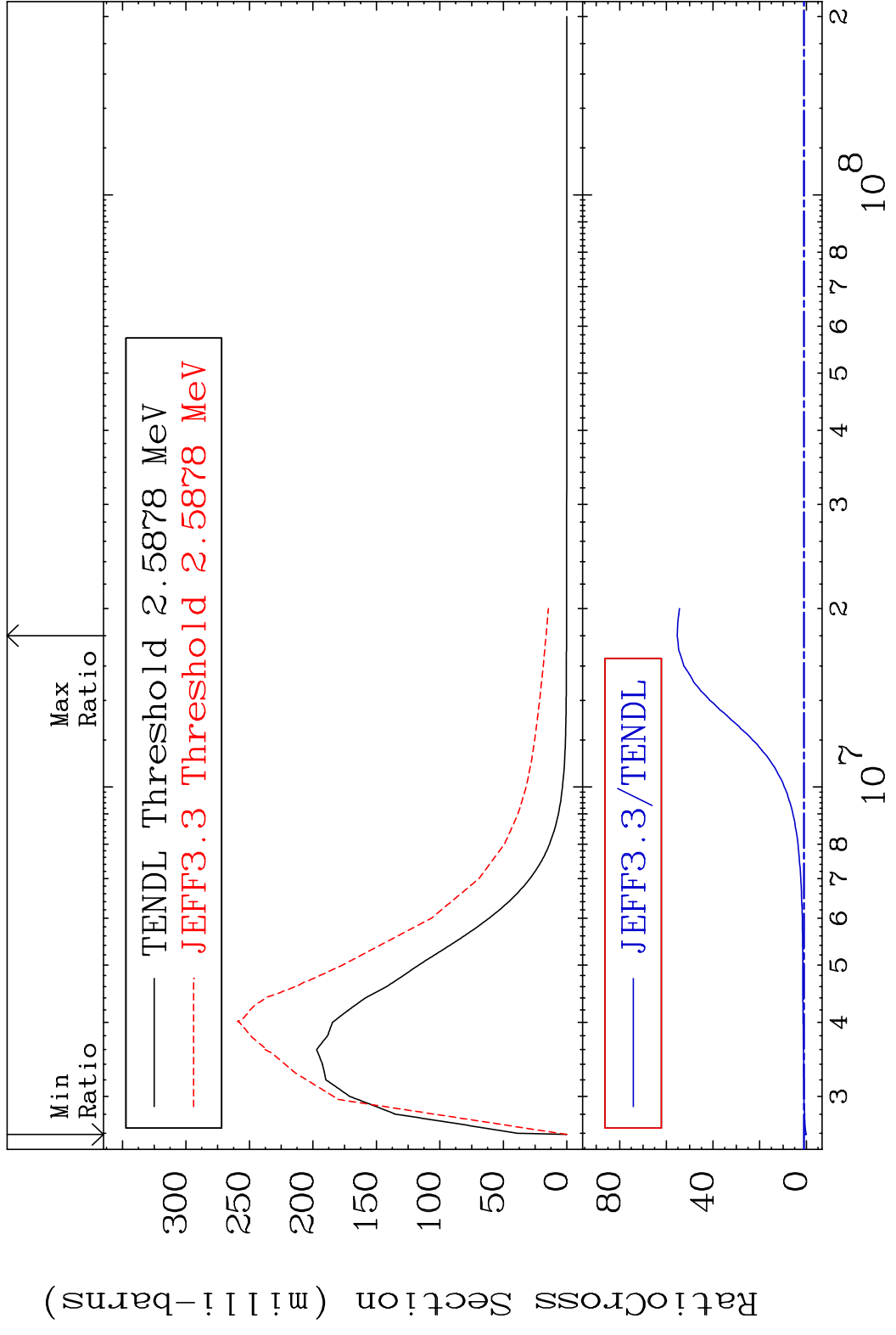
MAT 1837 MT= 51 (n,n') Level 18-Ar-40  
 Cross Section -100.0 To 2074. %



MAT 1837 MT= 52 (n, n') Level 18-Ar-40  
 Cross Section -92.89 To 46.44 %

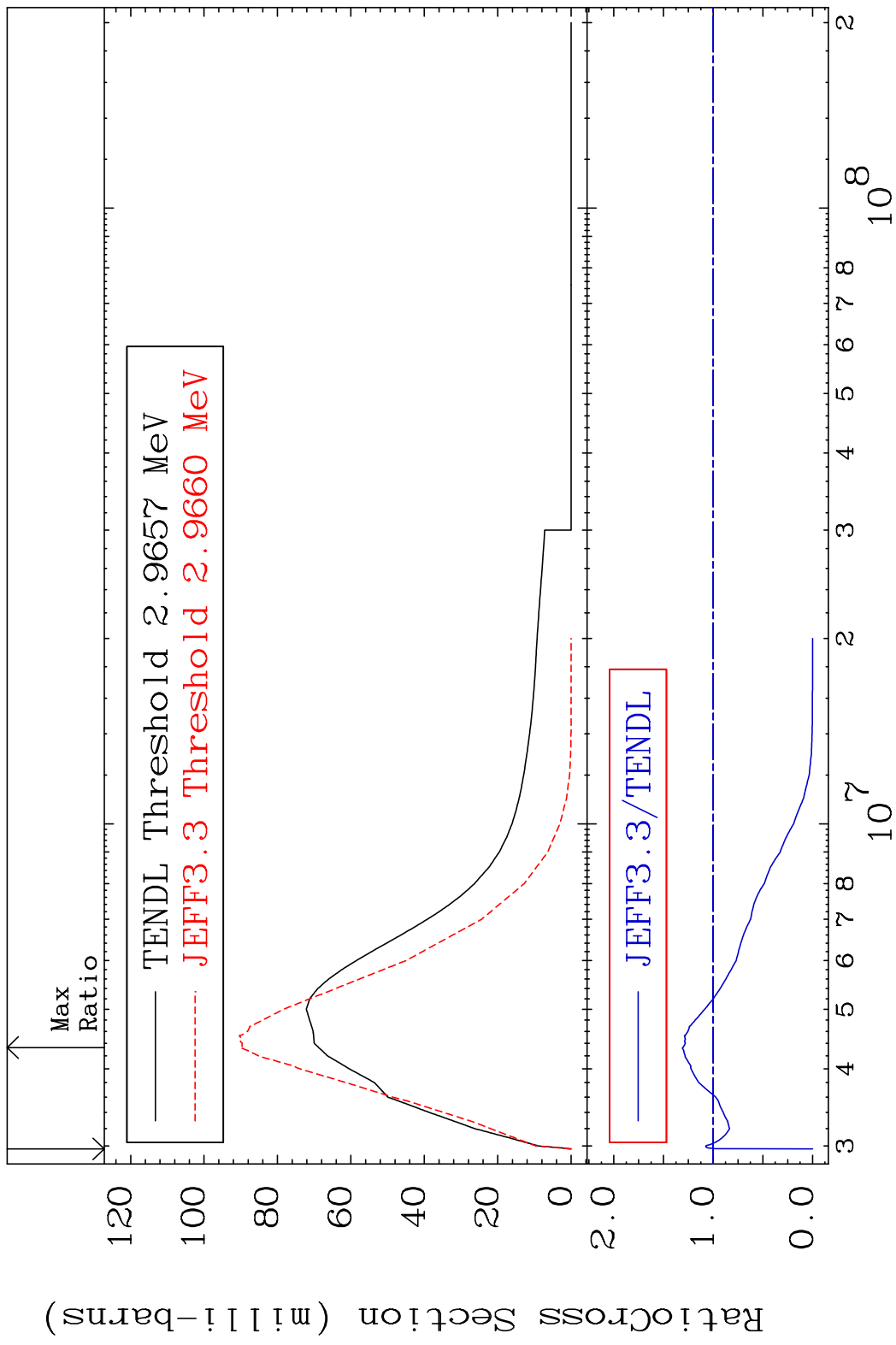


MAT 1837 MT= 53 (n, n') Level 18-Ar-40  
 Cross Section -100.0 To 5435. %



10 10 18-Ar-40

MAT 1837 MT= 54 (n,n') Level 18-Ar-40  
 Cross Section -100.0 To 31.02 %

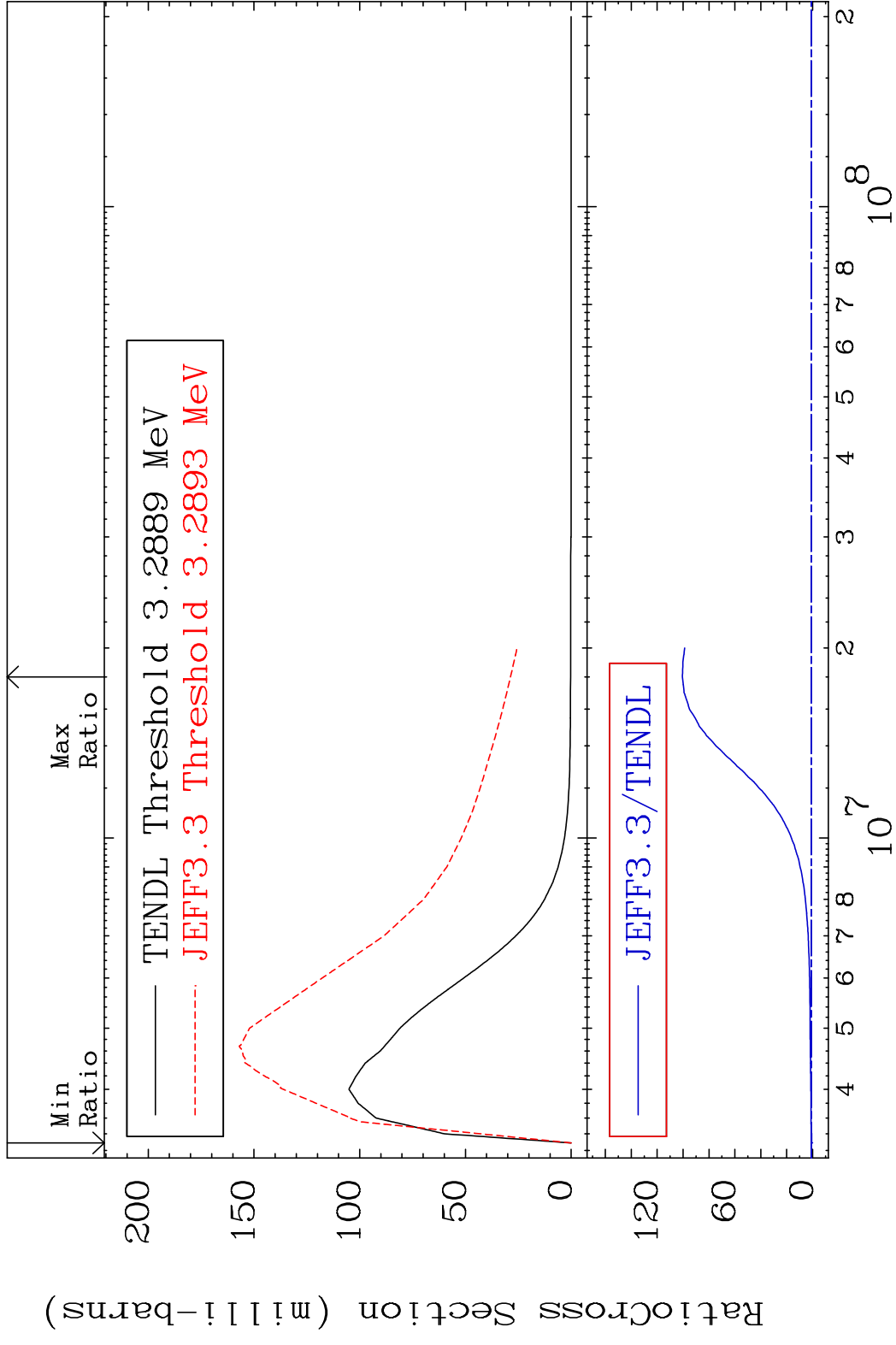


MAT 1837

MT= 55 (n, n') Level

18-Ar-40

Cross Section -100.0 To 9956. %

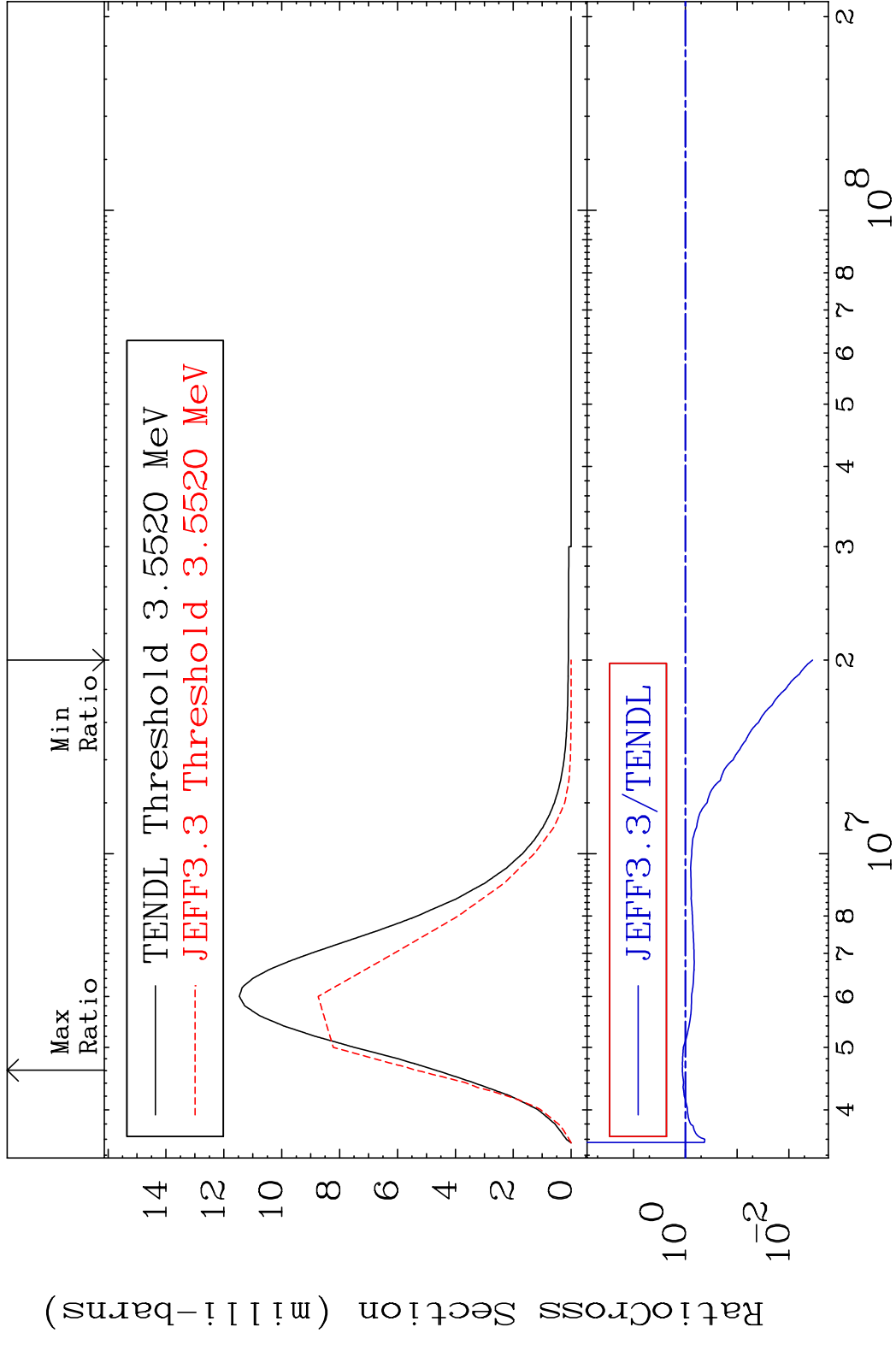


MAT 1837

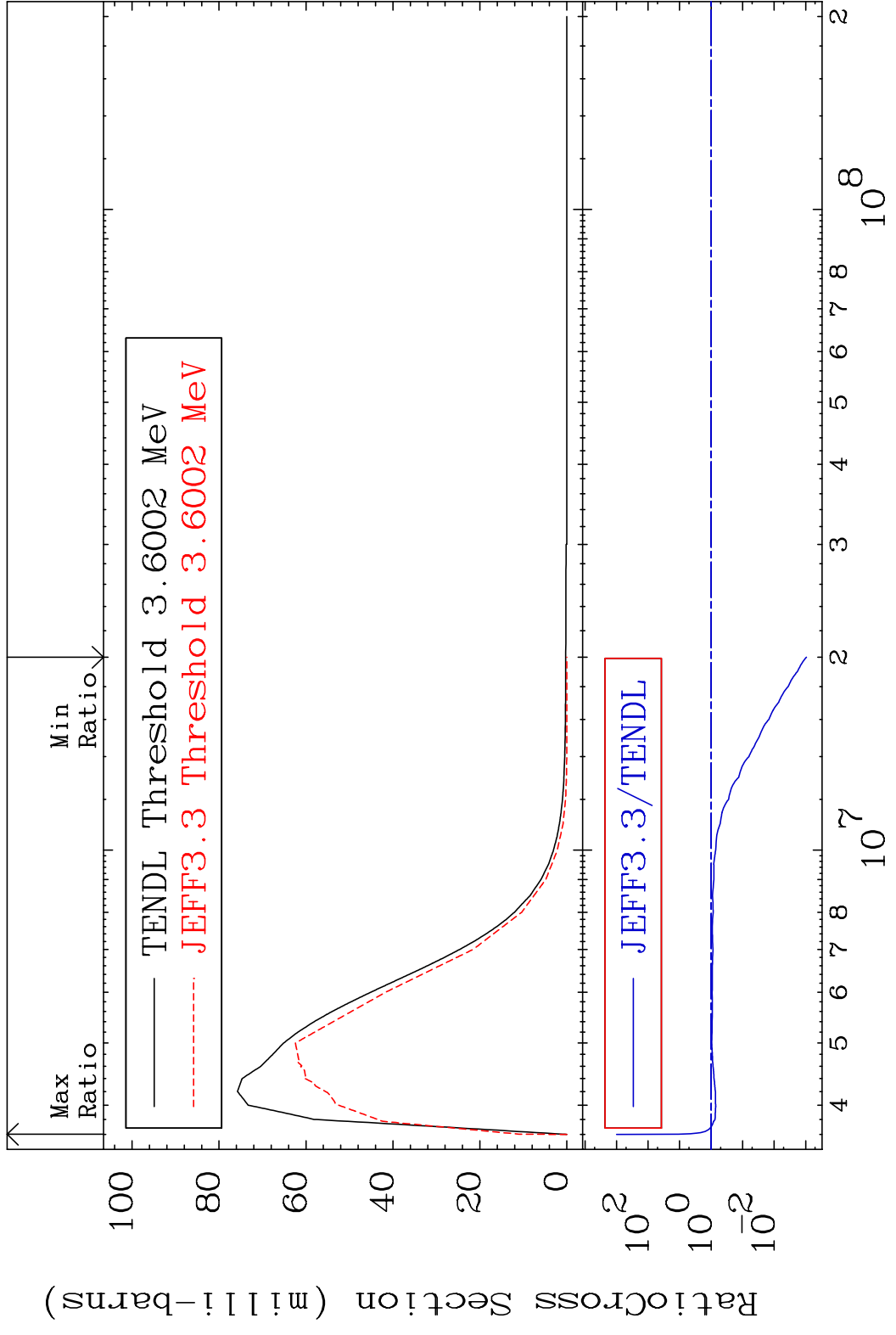
MT= 56 (n,n') Level

18-Ar-40

Cross Section -99.65 To 14.62 %

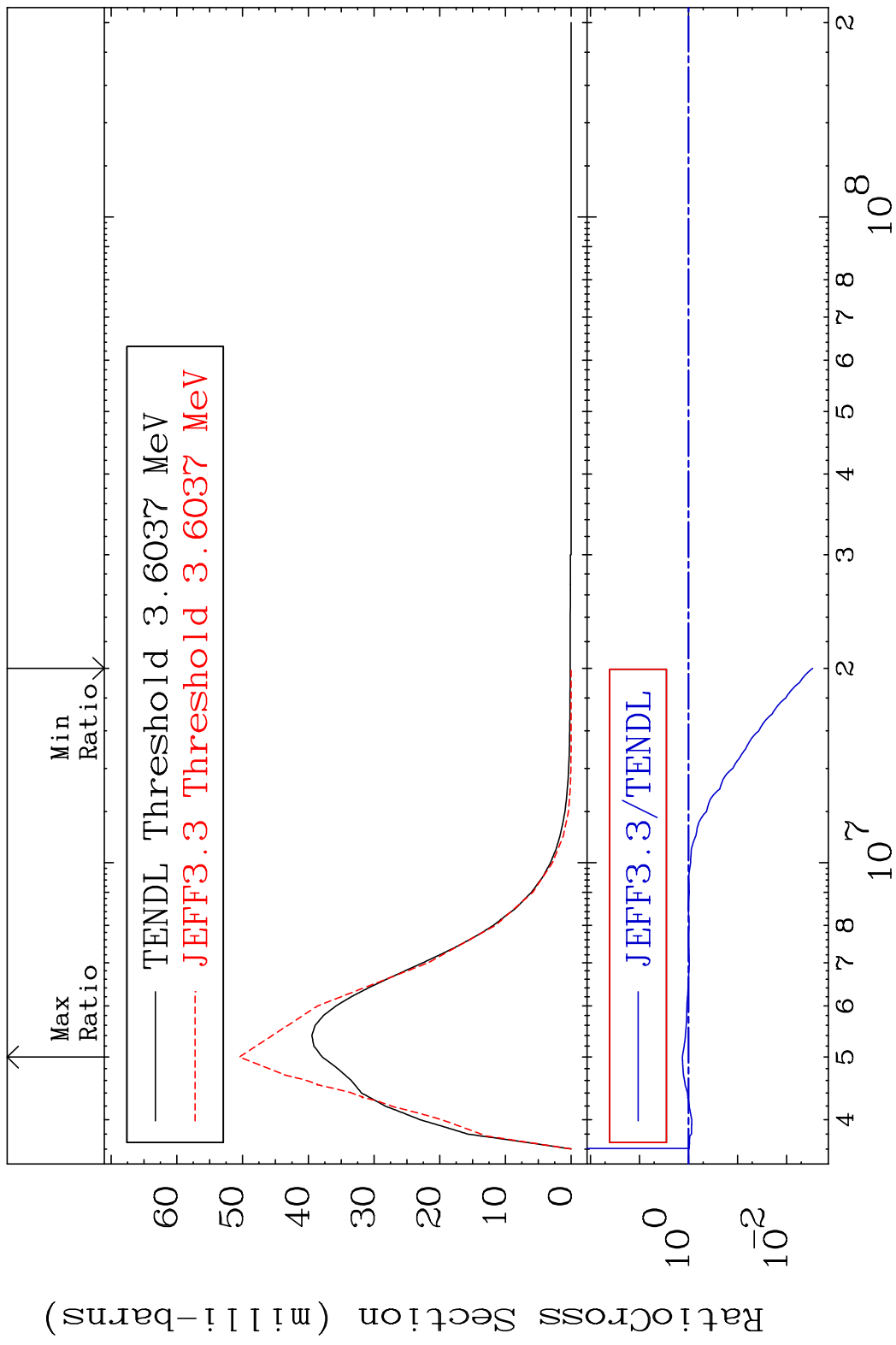


MAT 1837 MT= 57 (n,n') Level 18-Ar-40  
 Cross Section -99.91 To 1092. %



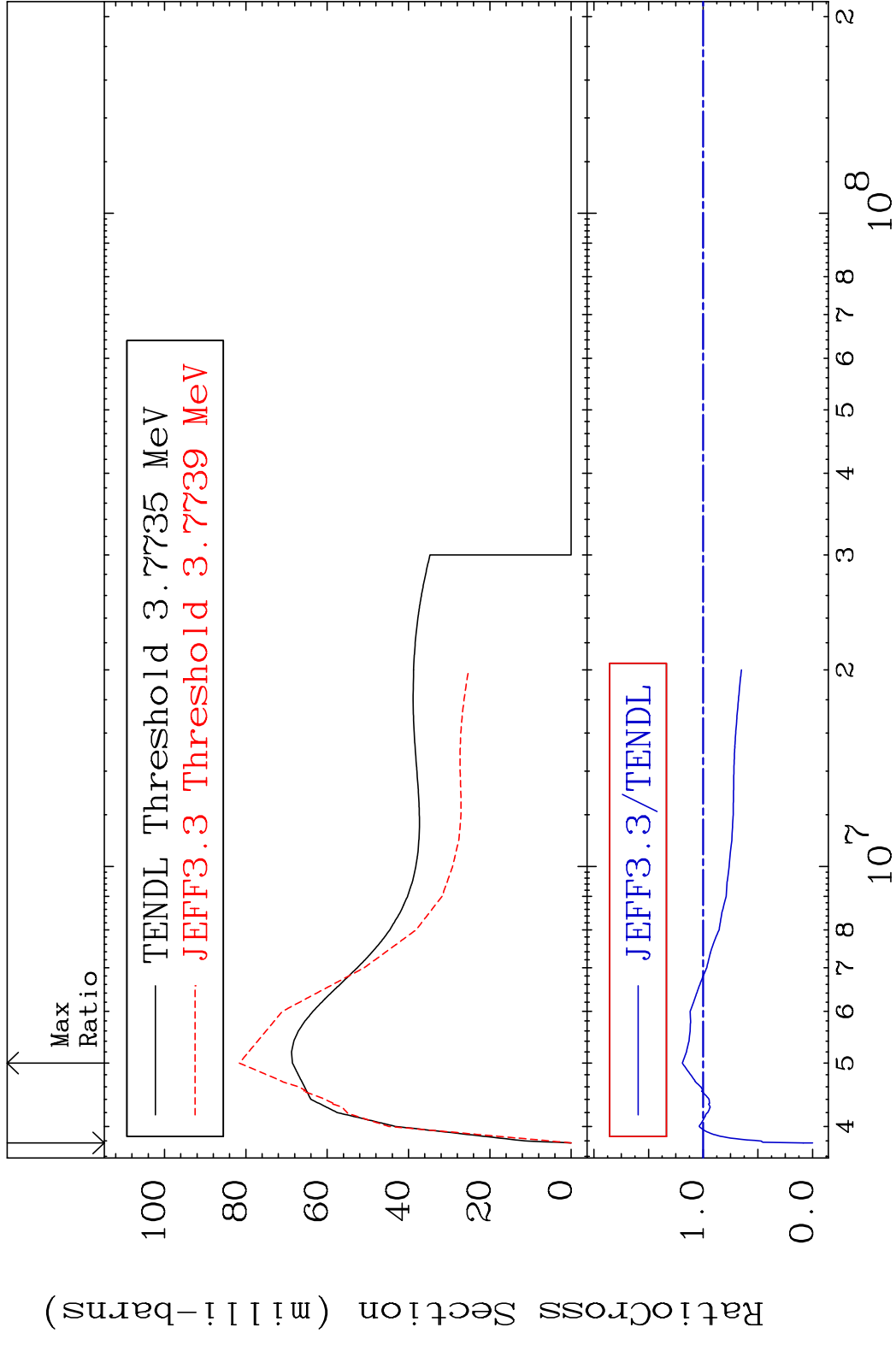
14 Incident Energy (eV) 18-Ar-40

MAT 1837 MT= 58 (n,n') Level 18-Ar-40  
 Cross Section -99.71 To 33.31 %

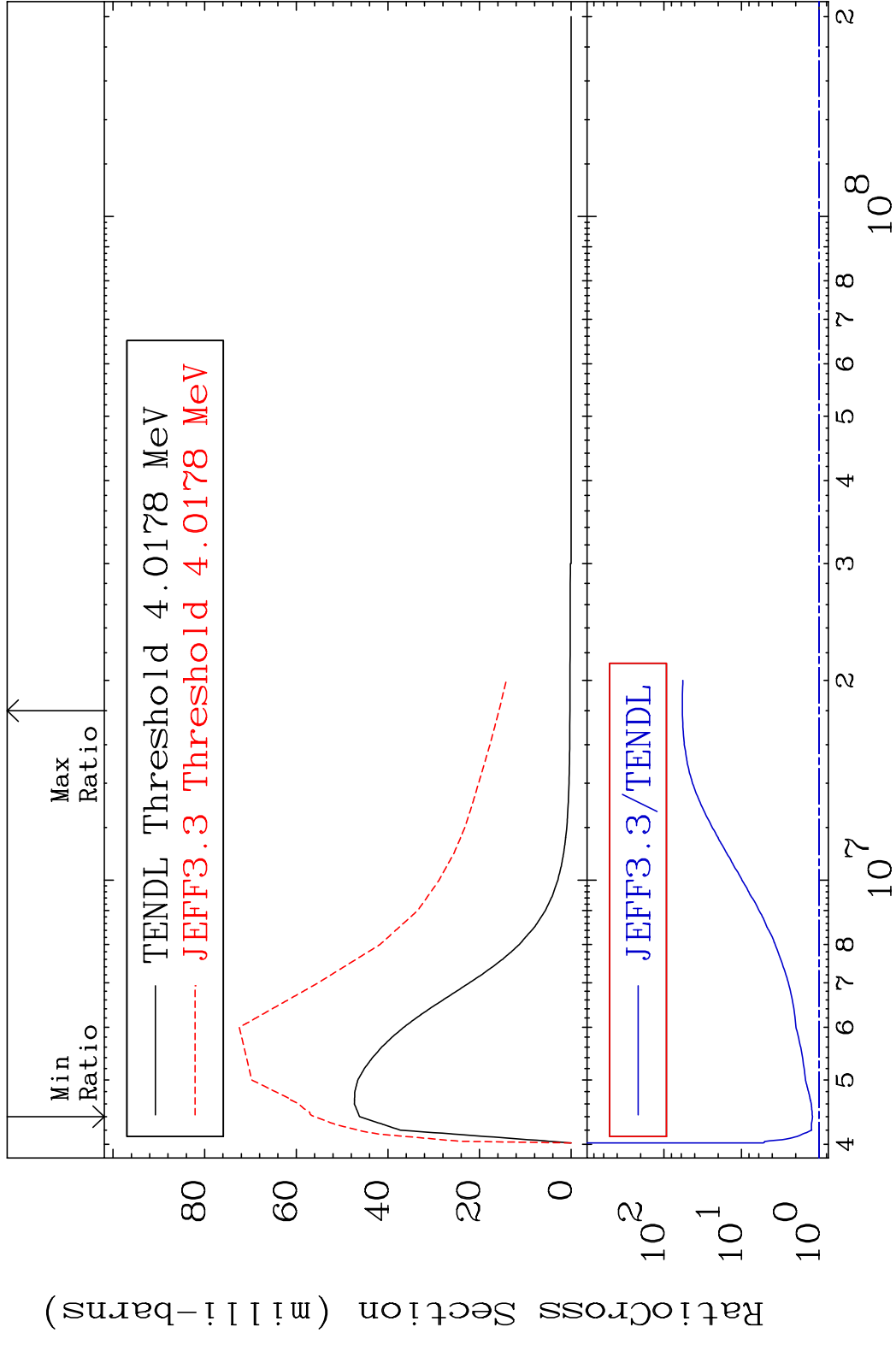


15 Incident Energy (eV) 18-Ar-40

MAT 1837 MT= 59 (n,n') Level 18-Ar-40  
 Cross Section -100.0 To 19.07 %

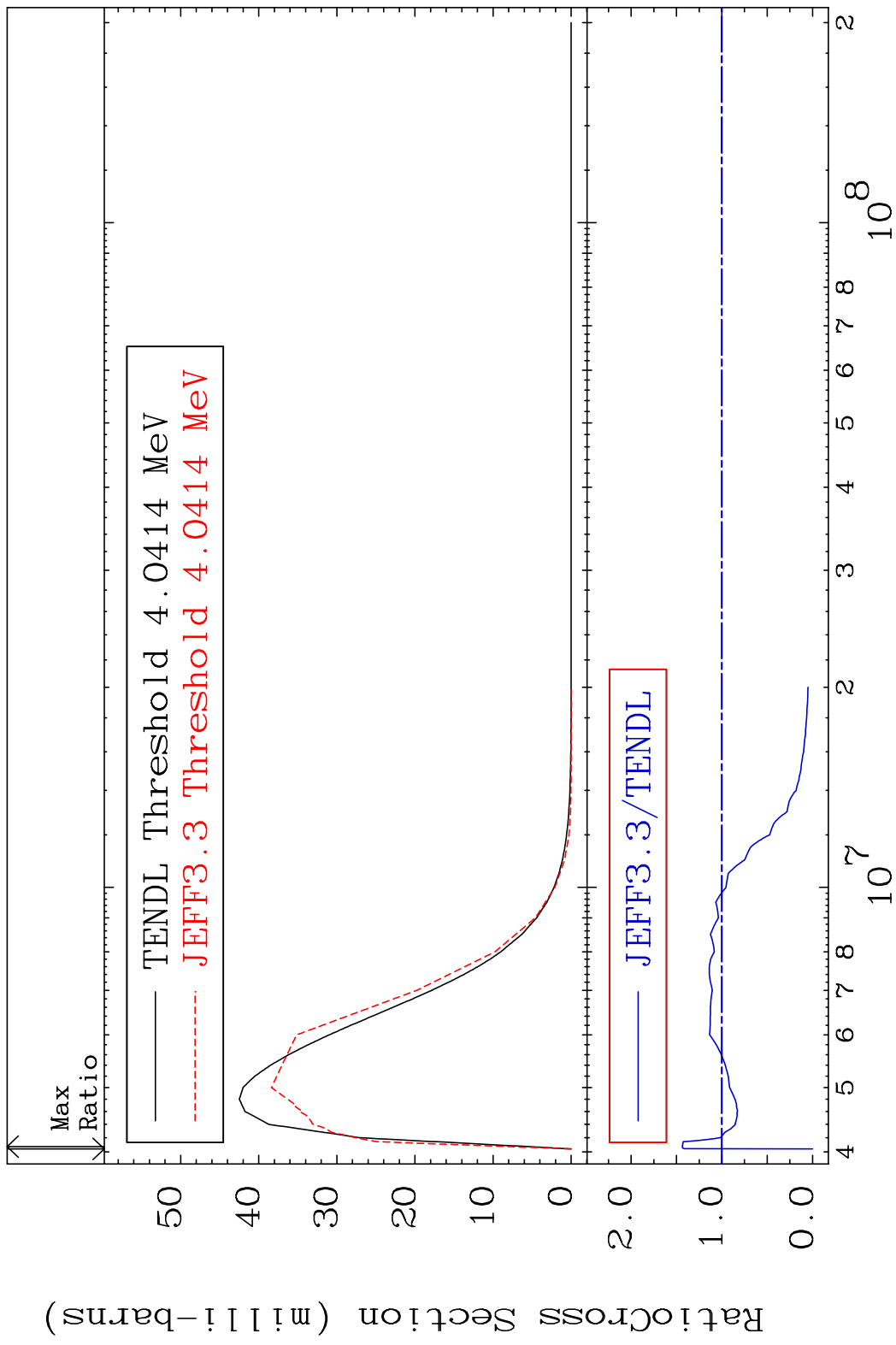


MAT 1837 MT= 60 (n,n') Level 18-Ar-40  
 Cross Section 21.22 To 5689. %



17 Incident Energy (eV) 18-Ar-40

MAT 1837 MT= 61 (n, n') Level 18-Ar-40  
 Cross Section -100.0 To 43.54 %

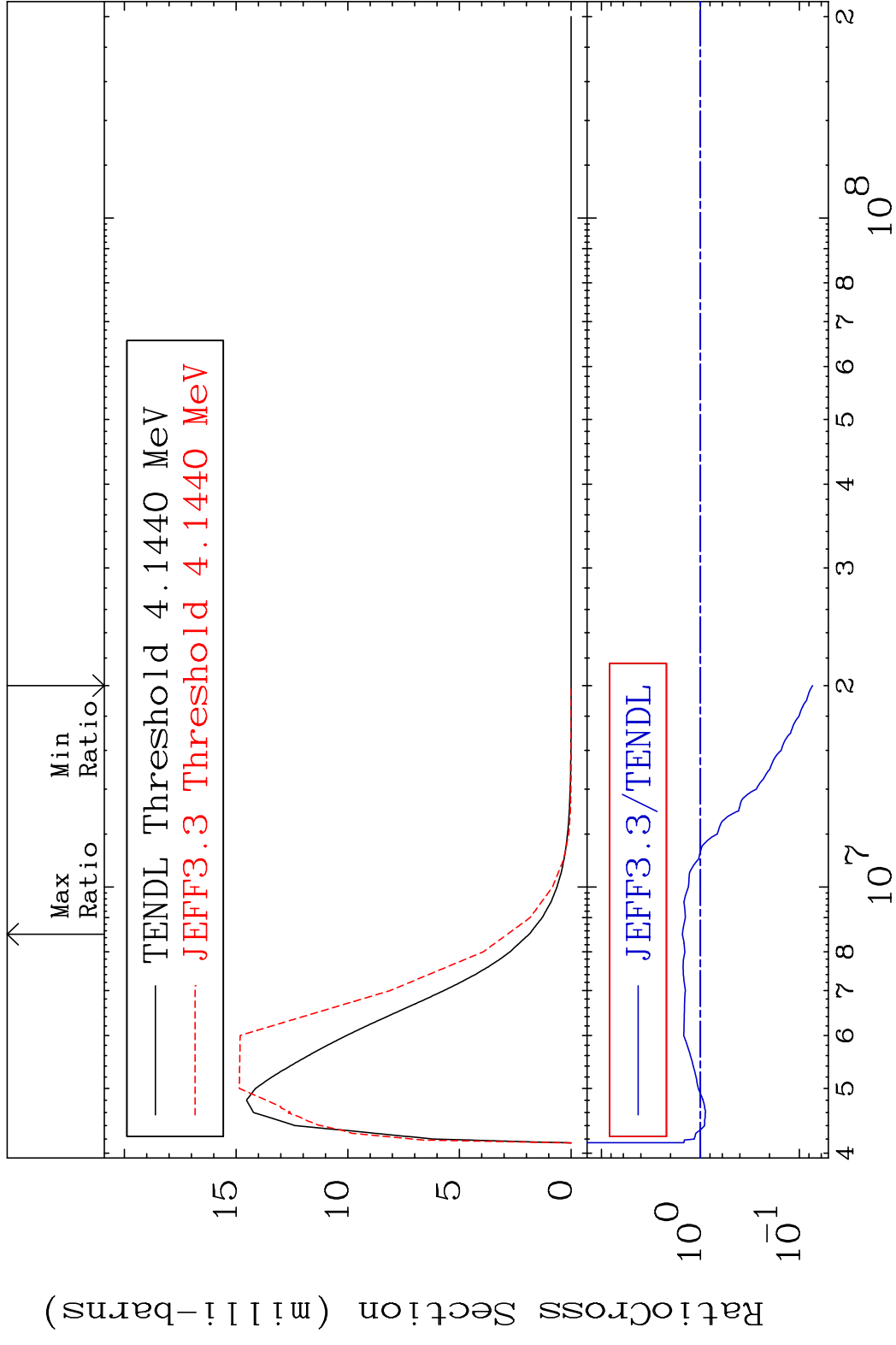


MAT 1837

MT= 62 (n, n') Level

18-Ar-40

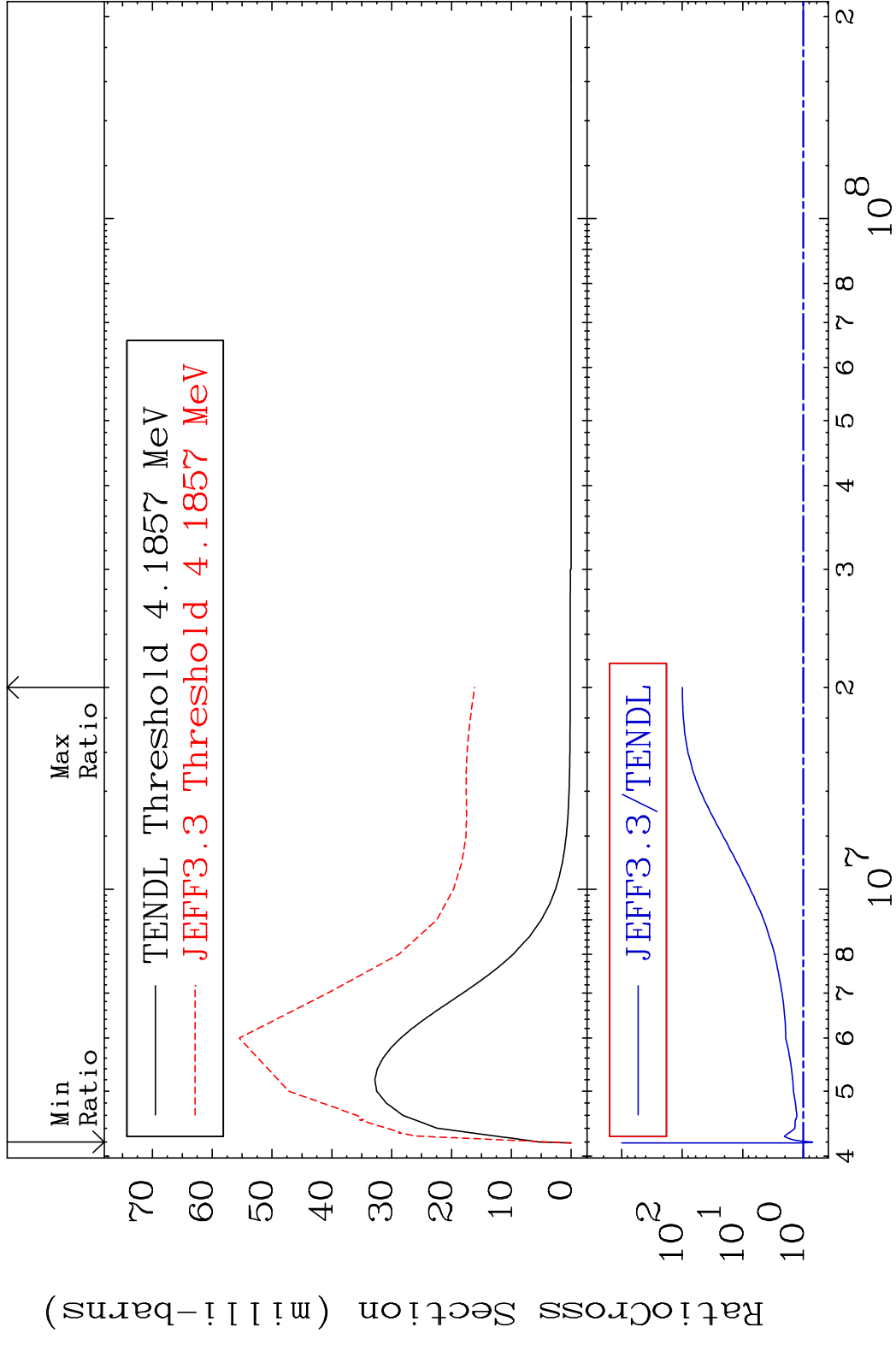
Cross Section -92.64 To 52.18 %



19

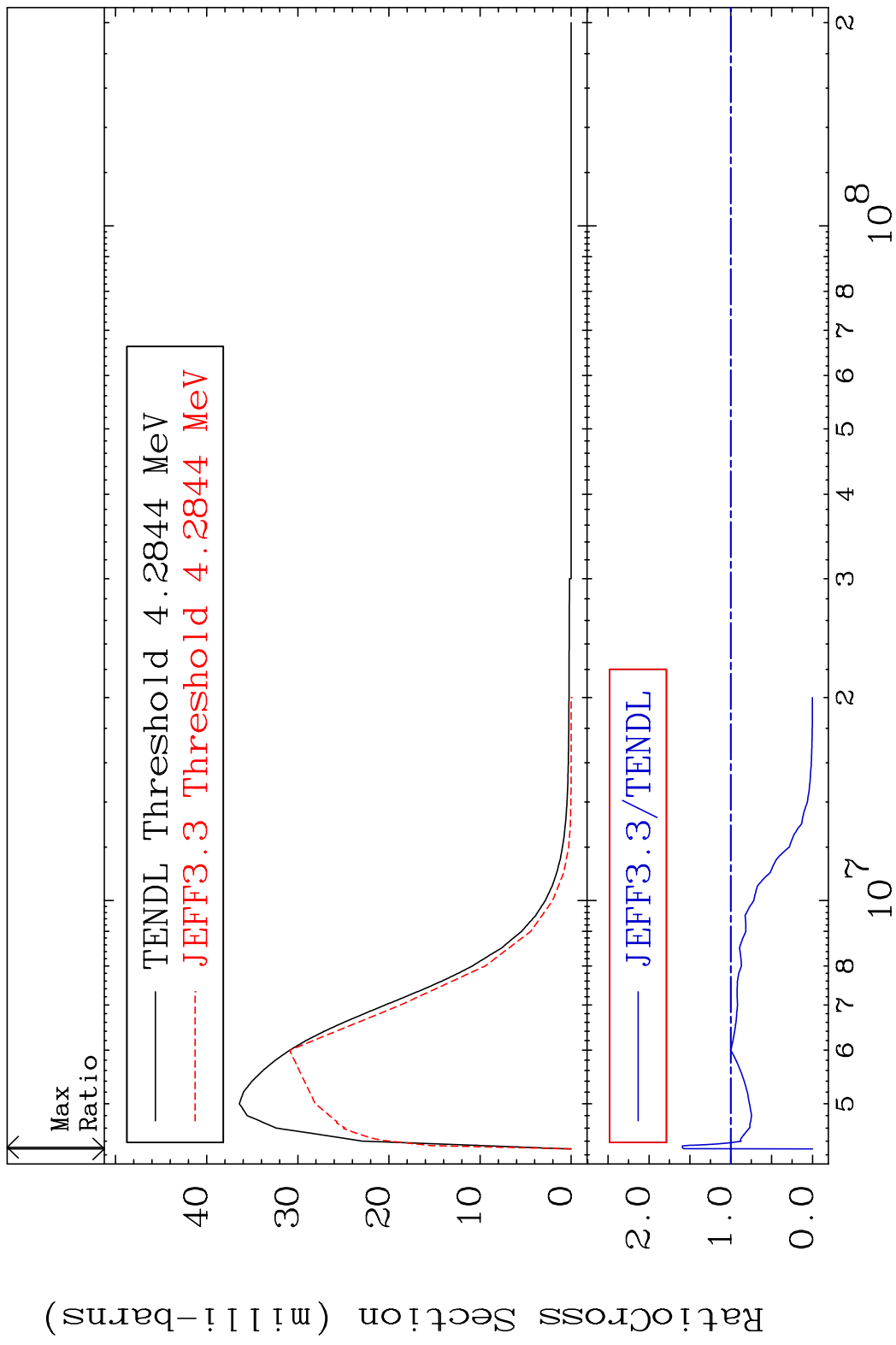
18-Ar-40

MAT 1837 MT= 63 (n, n') Level 18-Ar-40  
 Cross Section -29.81 To 9840. %



20 18-Ar-40

MAT 1837 MT= 64 (n, n') Level 18-Ar-40  
 Cross Section -100.0 To 59.22 %

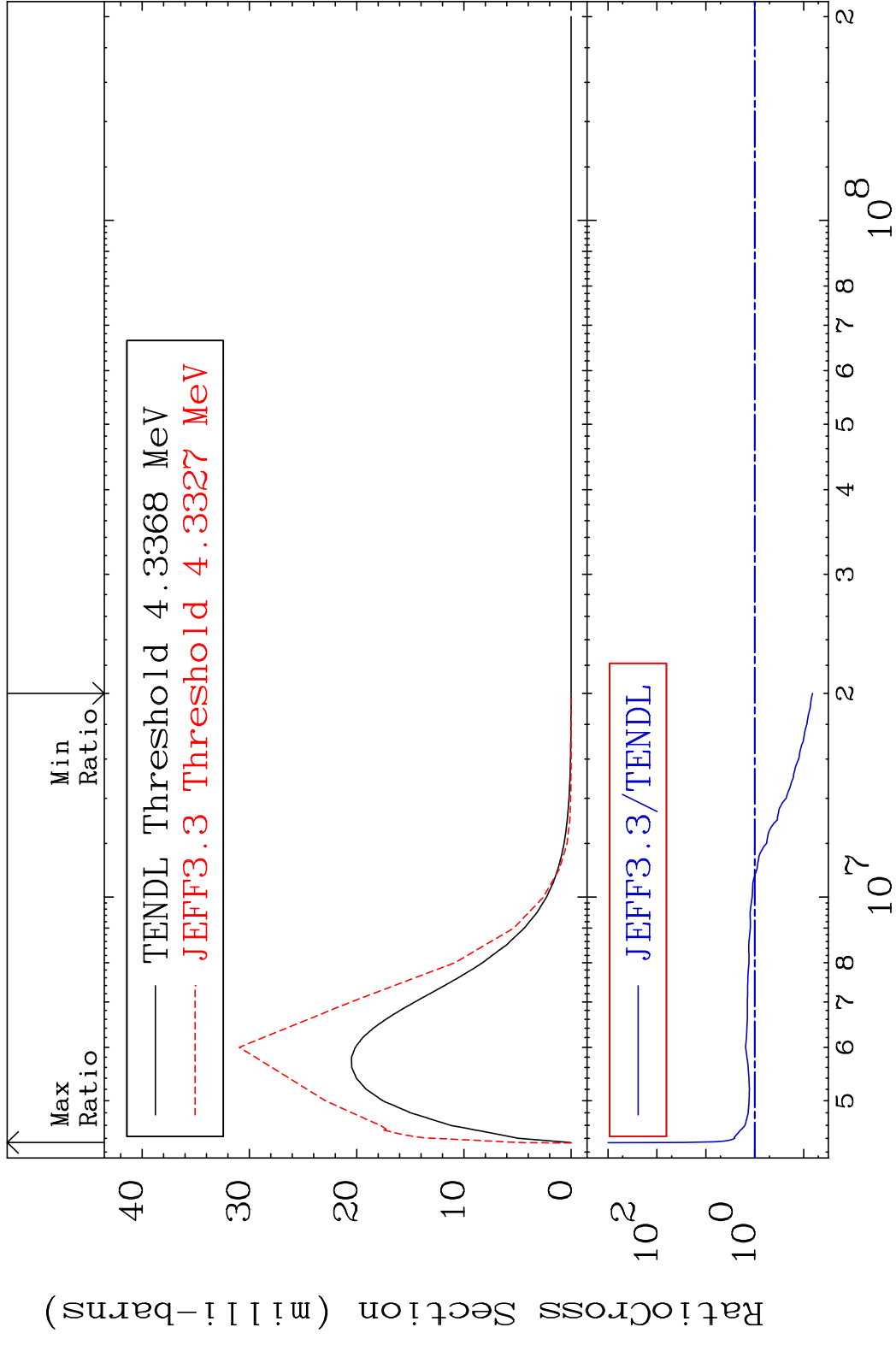


MAT 1837

MT= 65 (n, n') Level

18-Ar-40

Cross Section -93.43 To 2919. %

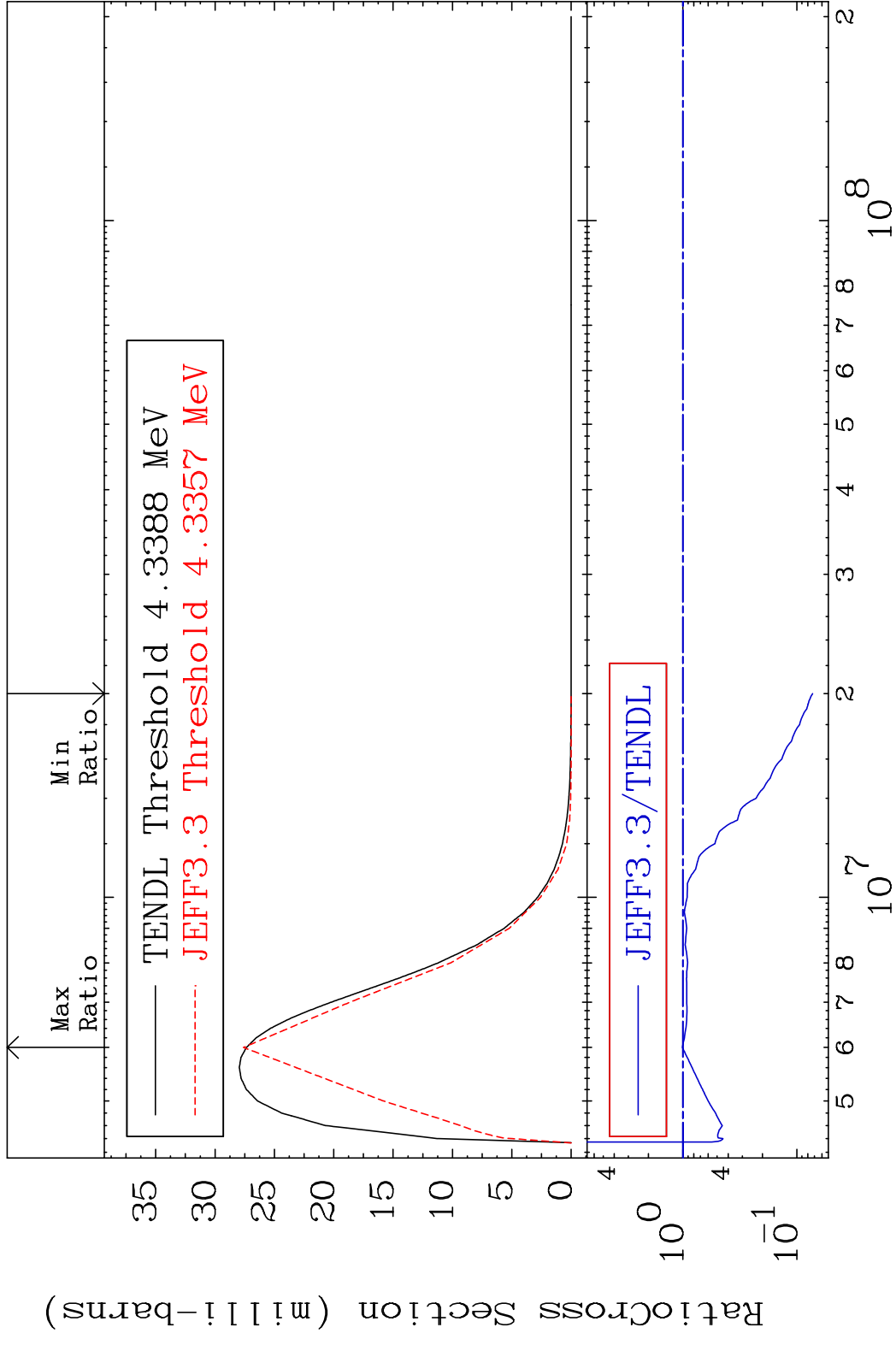


MAT 1837

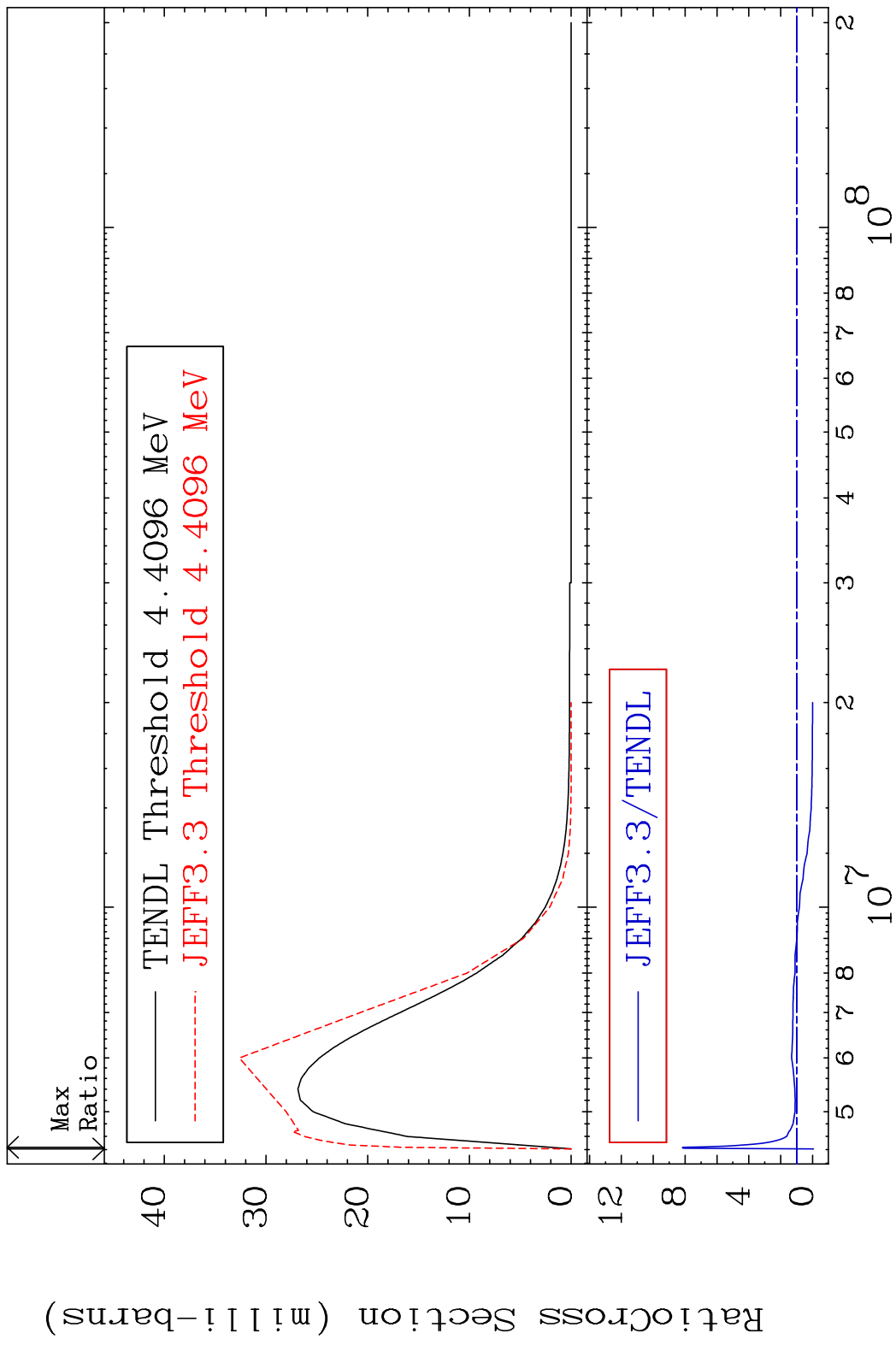
MT= 66 (n, n') Level

18-Ar-40

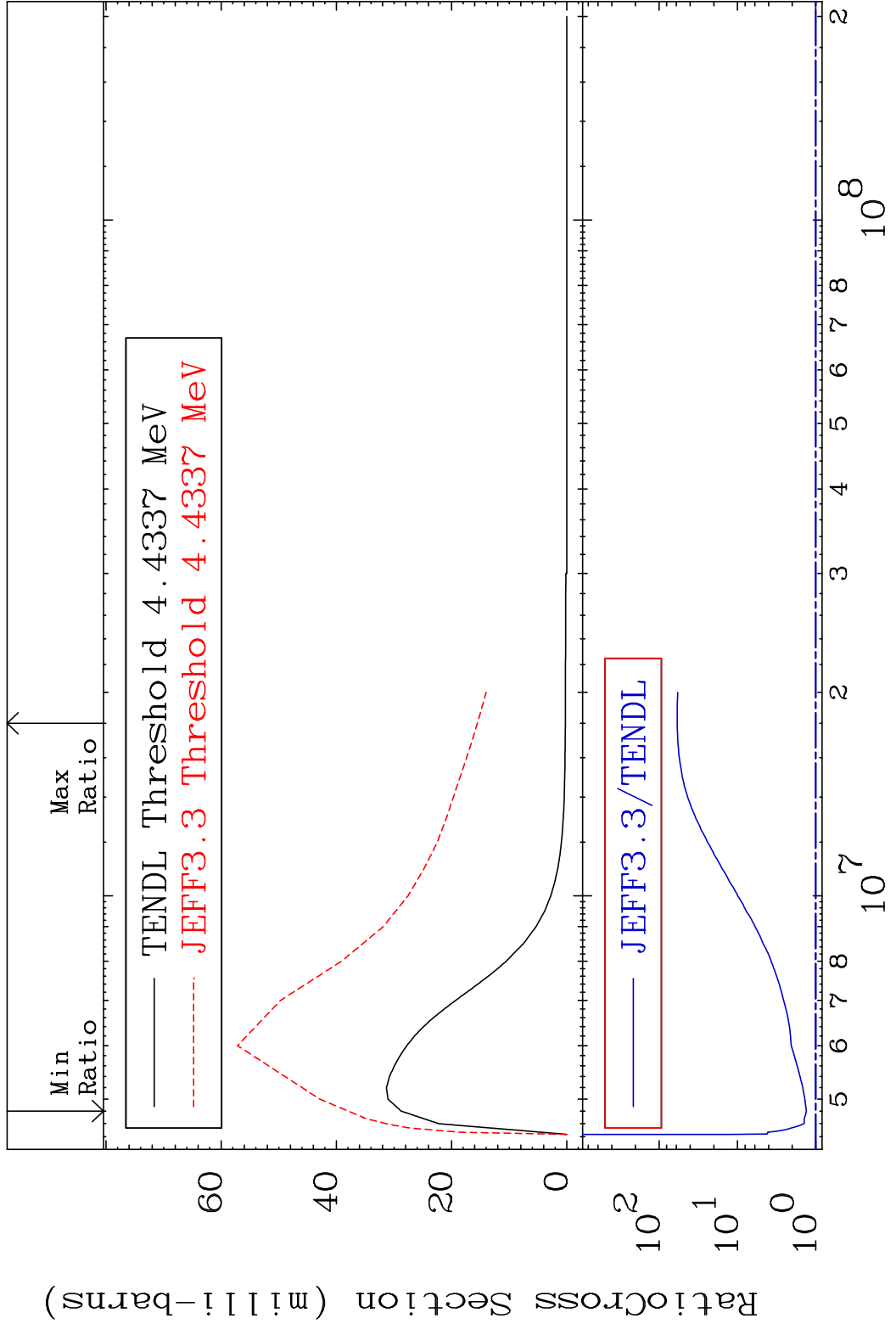
Cross Section -92.73 To 0.914 %



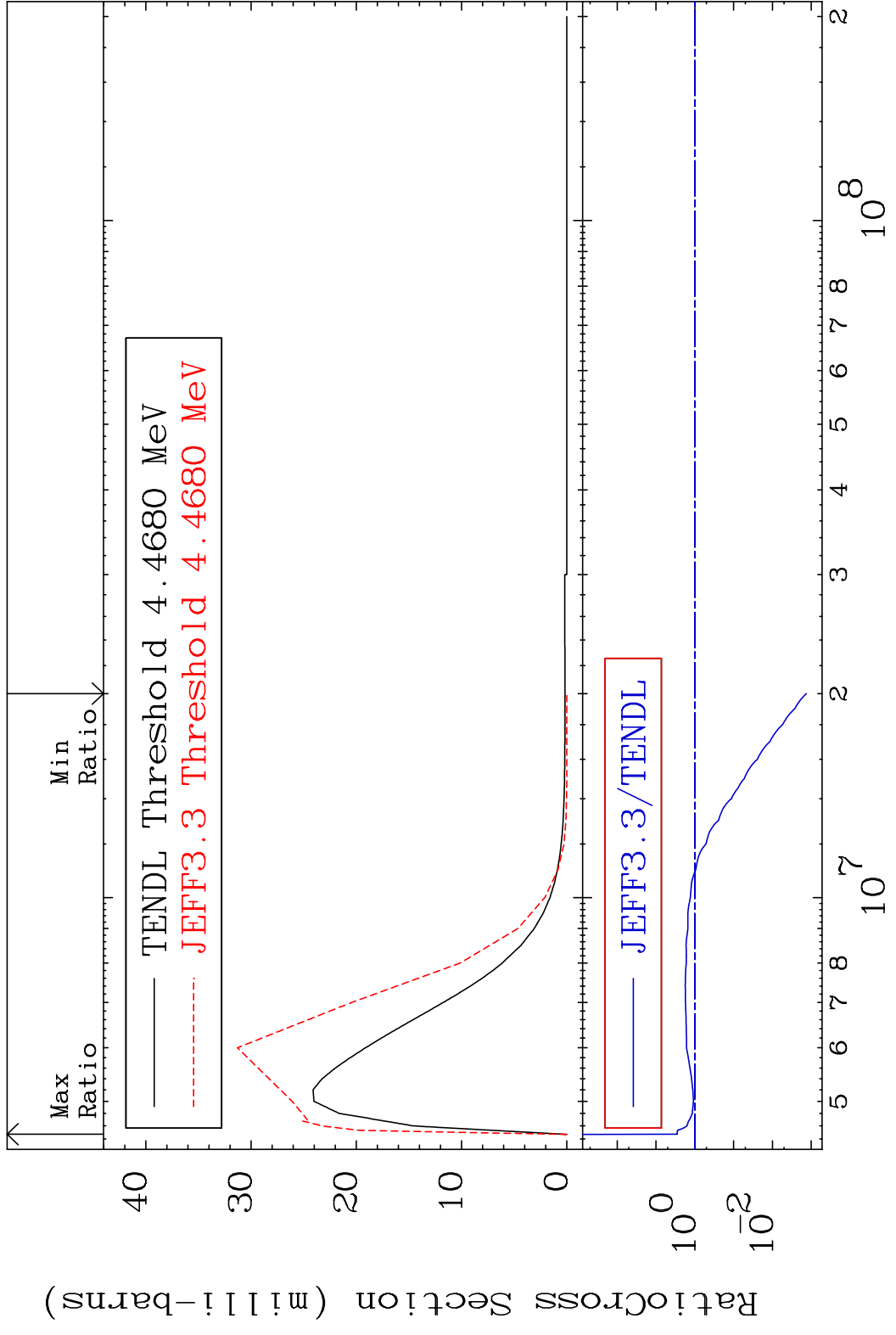
MAT 1837 MT= 67 (n, n') Level 18-Ar-40  
 Cross Section -100.0 To 717.2 %



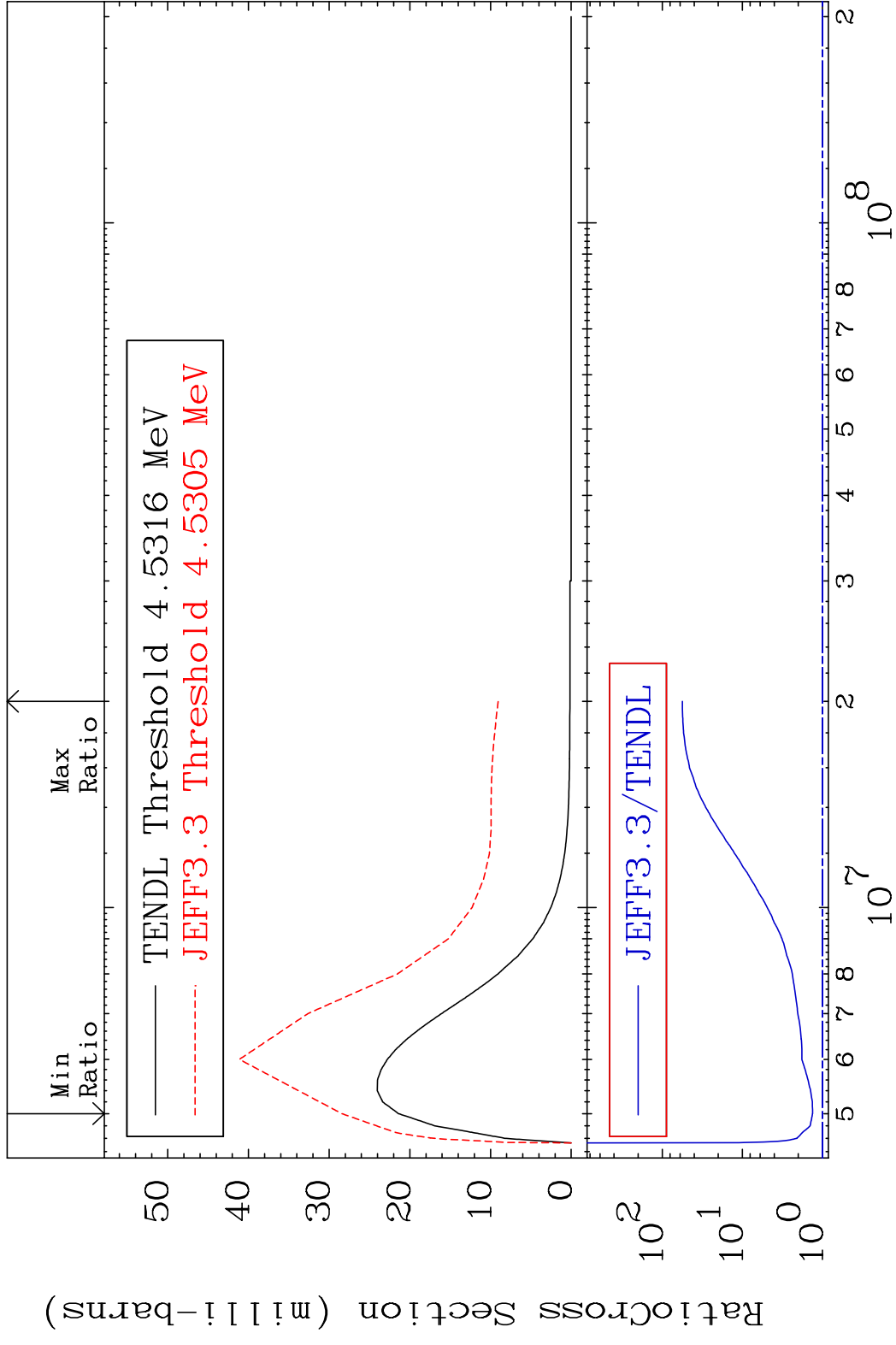
MAT 1837 MT= 68 (n,n') Level 18-Ar-40  
 Cross Section 31.88 To 5766. %



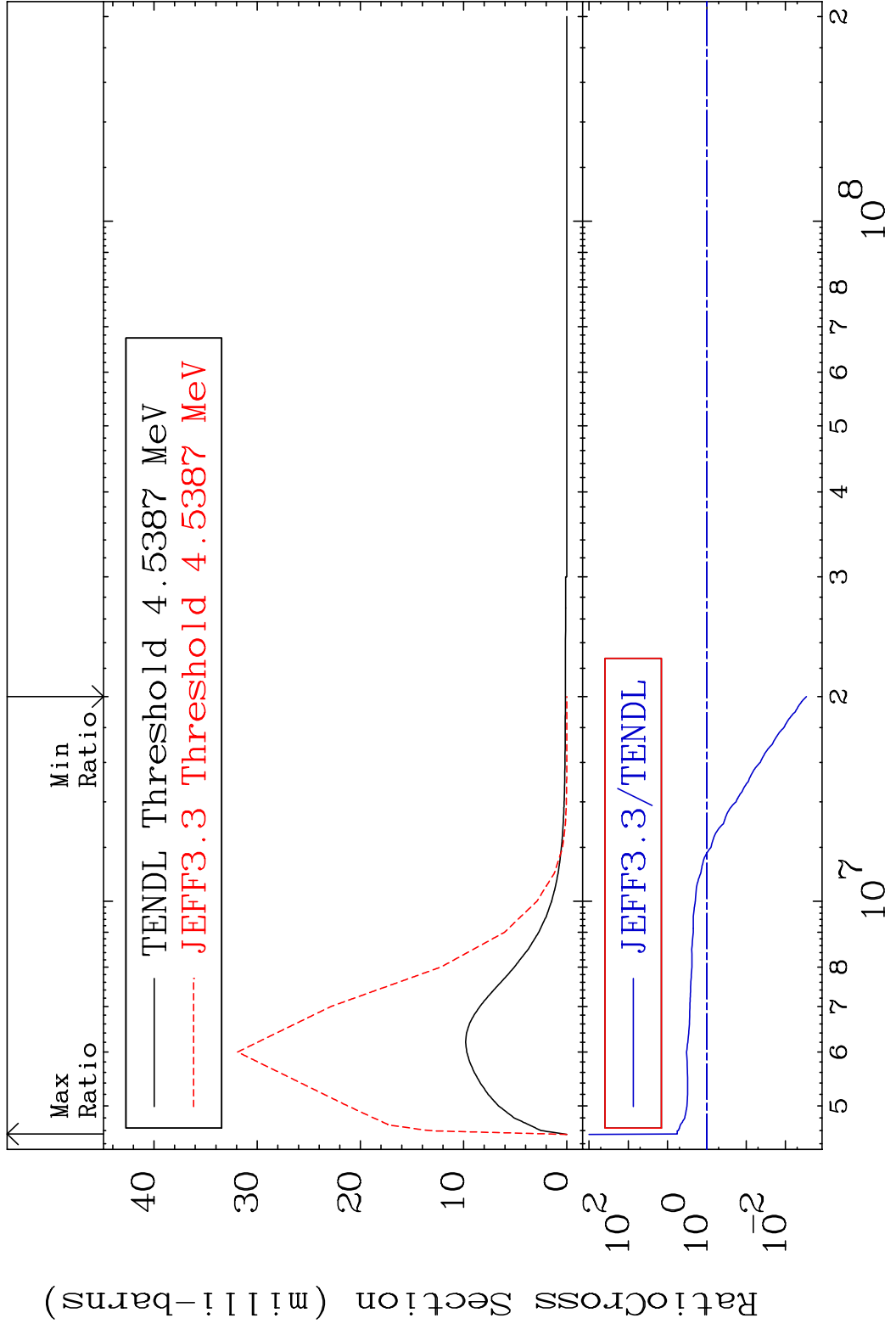
MAT 1837 MT= 69 (n, n') Level 18-Ar-40  
 Cross Section -99.87 To 184.5 %



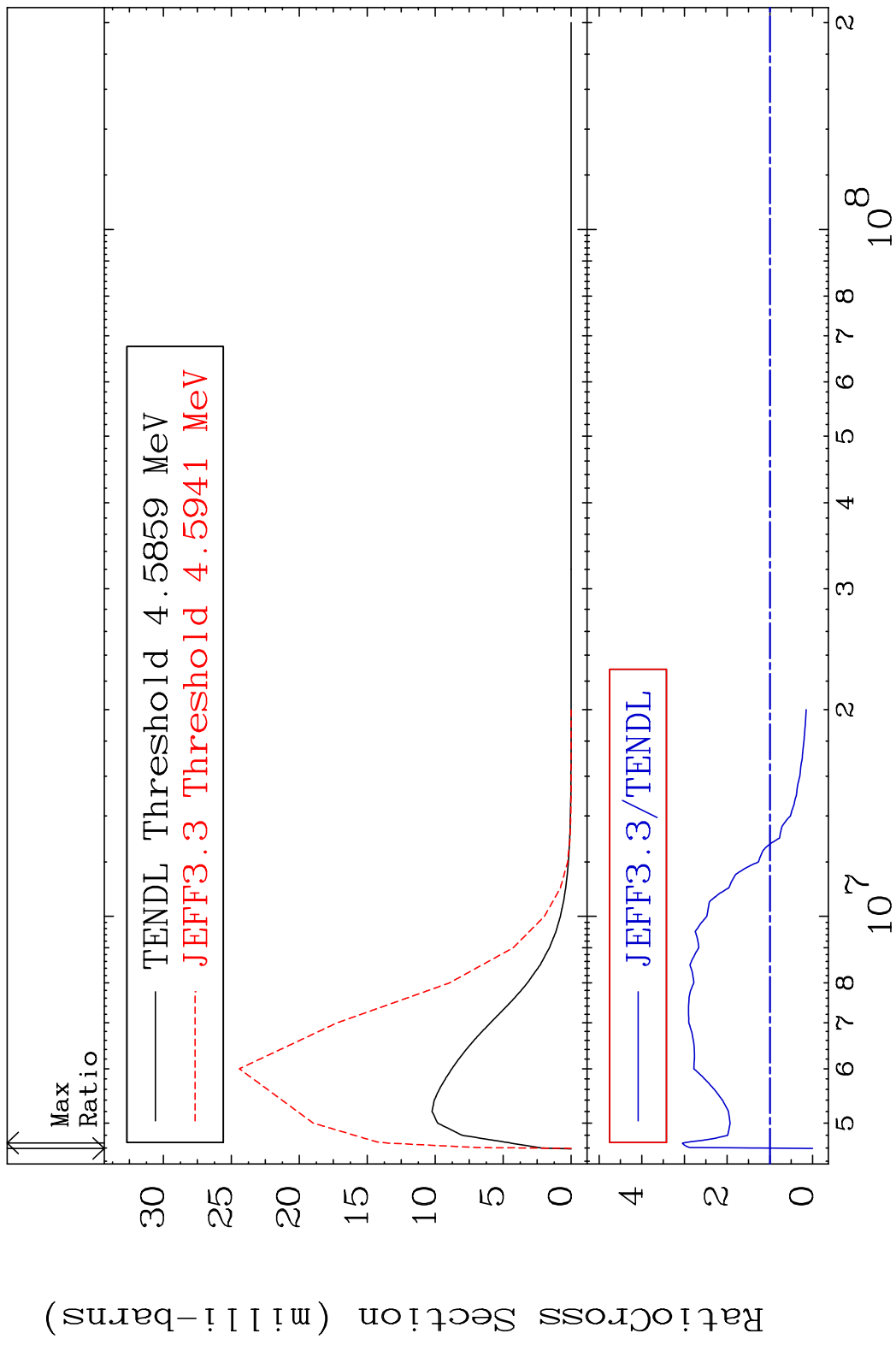
MAT 1837 MT= 70 (n,n') Level 18-Ar-40  
 Cross Section 32.78 To 5515. %



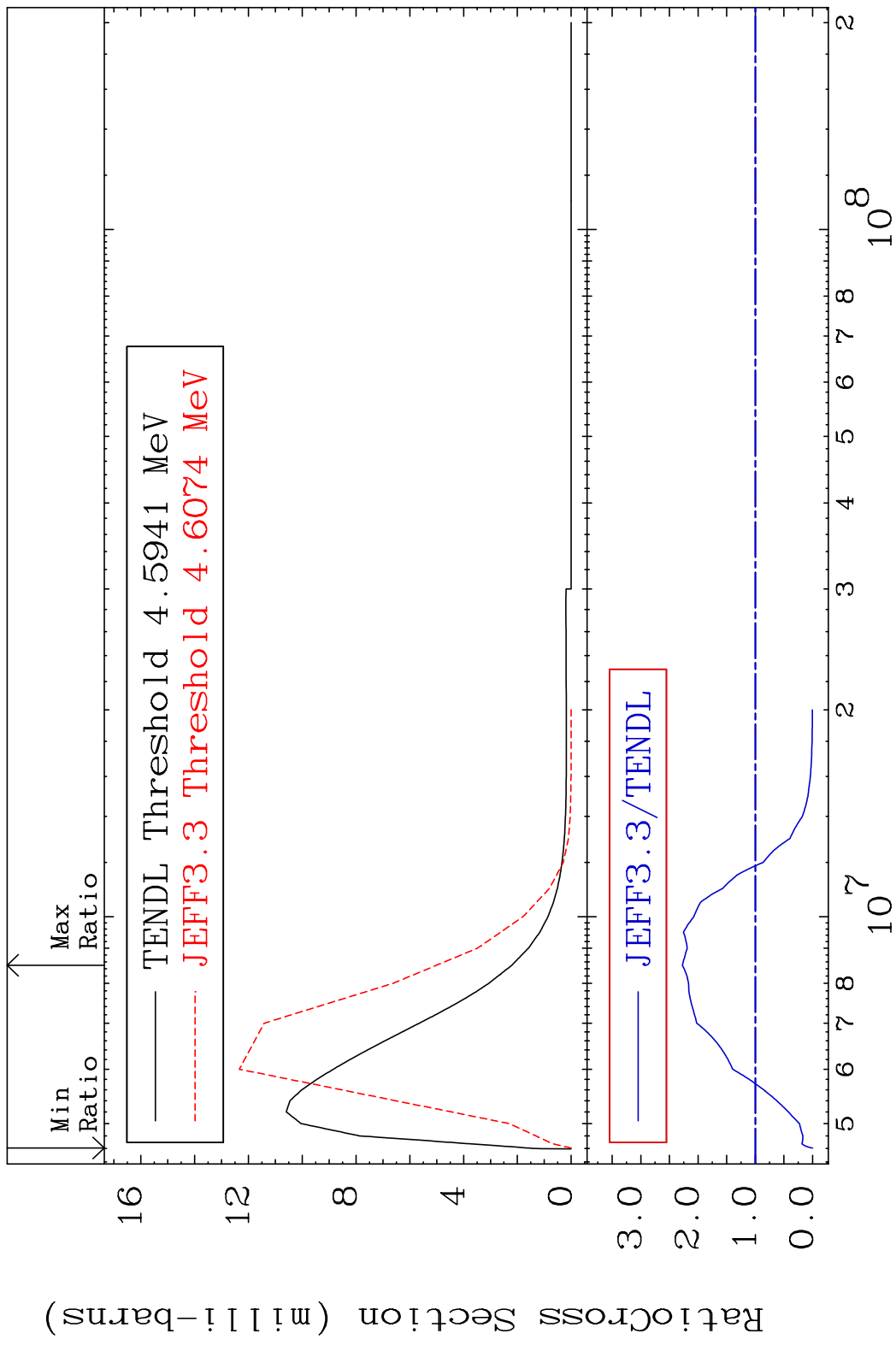
MAT 1837 MT= 71 (n,n') Level 18-Ar-40  
 Cross Section -99.71 To 469.0 %



MAT 1837 MT= 72 (n, n') Level 18-Ar-40  
 Cross Section -100.0 To 205.0 %

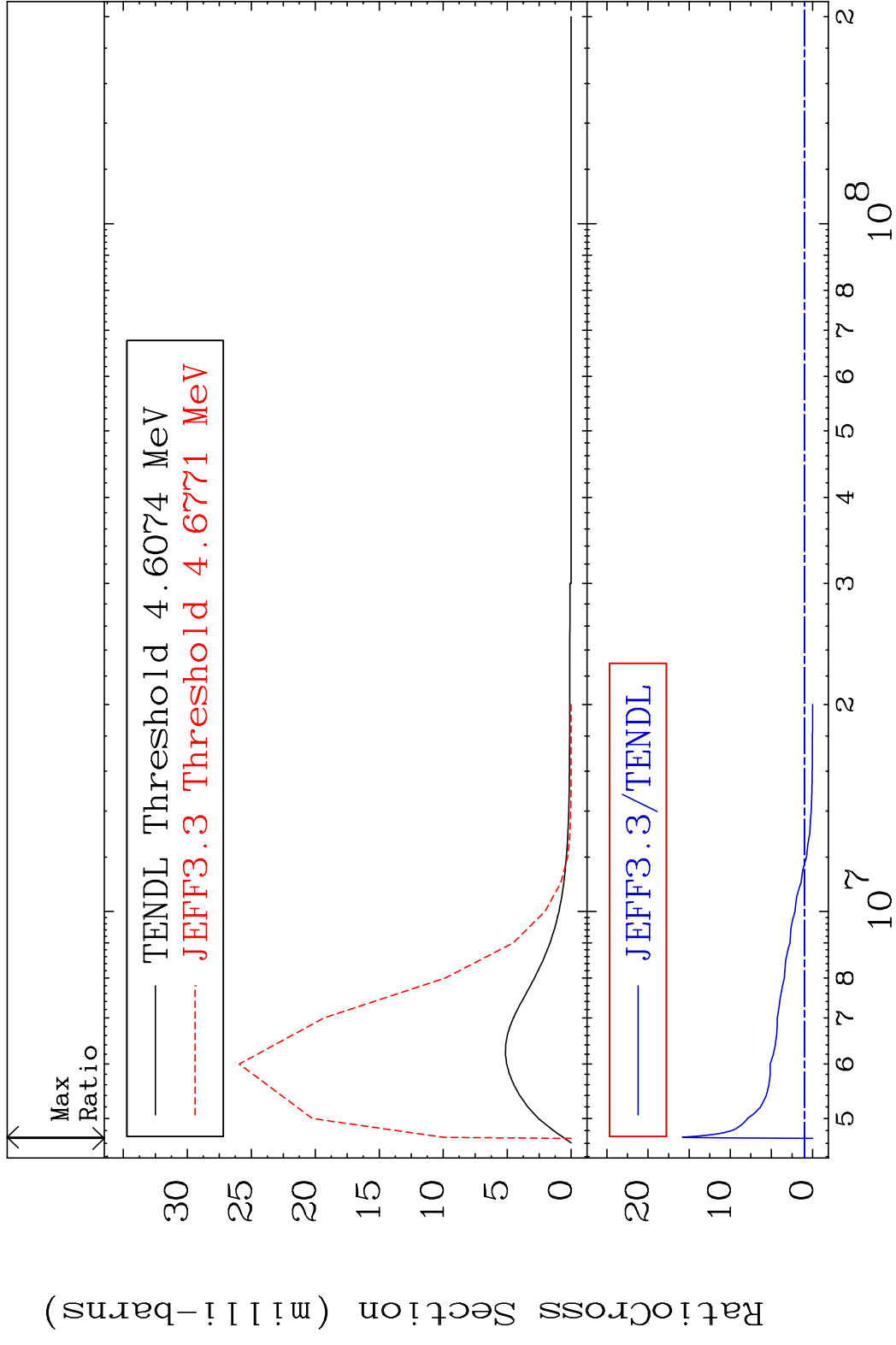


MAT 1837 MT= 73 (n, n') Level 18-Ar-40  
 Cross Section -100.0 To 127.4 %

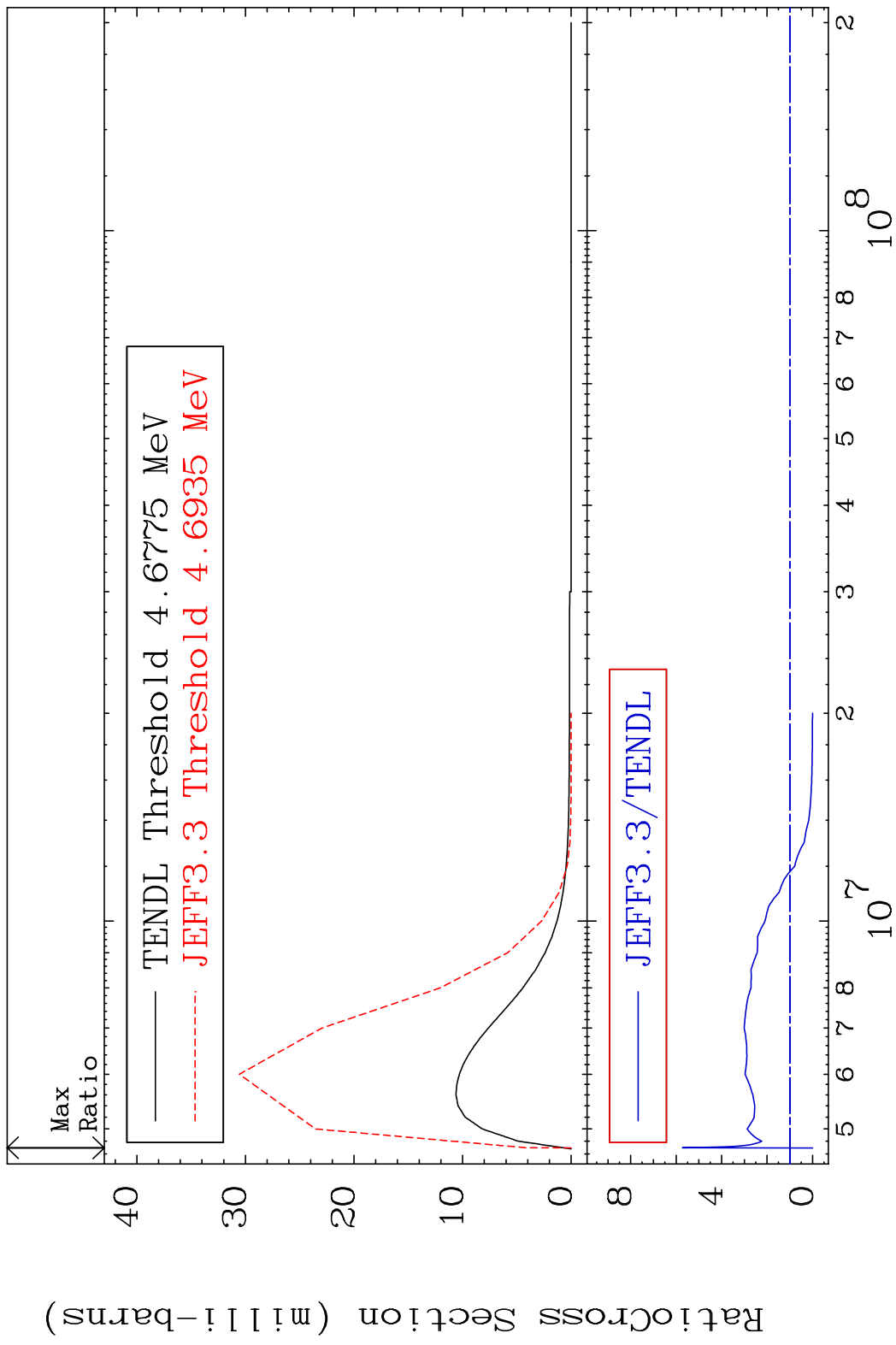


30 18-Ar-40

MAT 1837 MT= 74 (n, n') Level 18-Ar-40  
 Cross Section -100.0 To 1483. %



MAT 1837 MT= 75 (n,n') Level 18-Ar-40  
 Cross Section -100.0 To 472.8 %

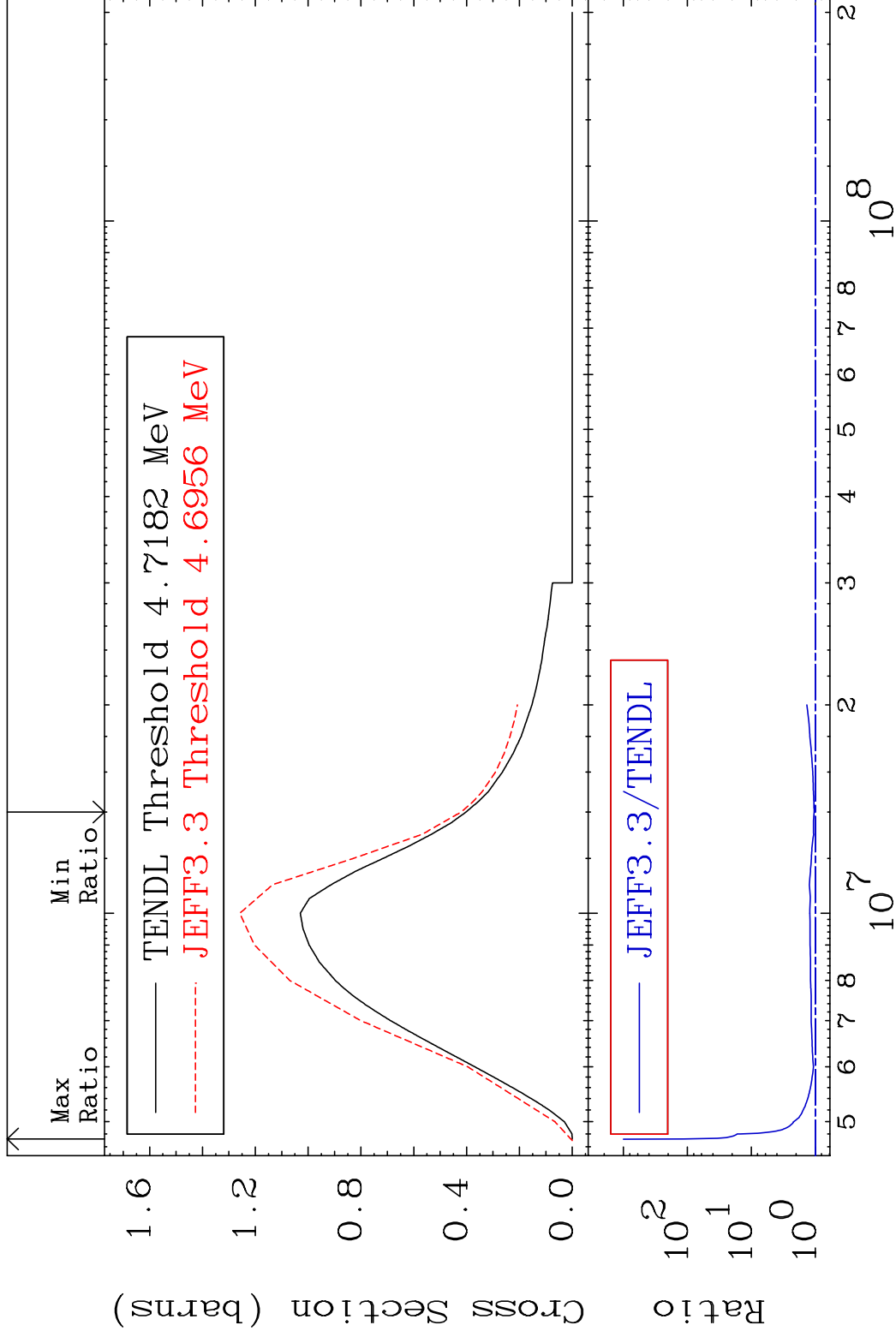


MAT 1837

(n,n') Continuum

18-Ar-40

Cross Section 4.636 To 9999. %



33

Incident Energy (eV)

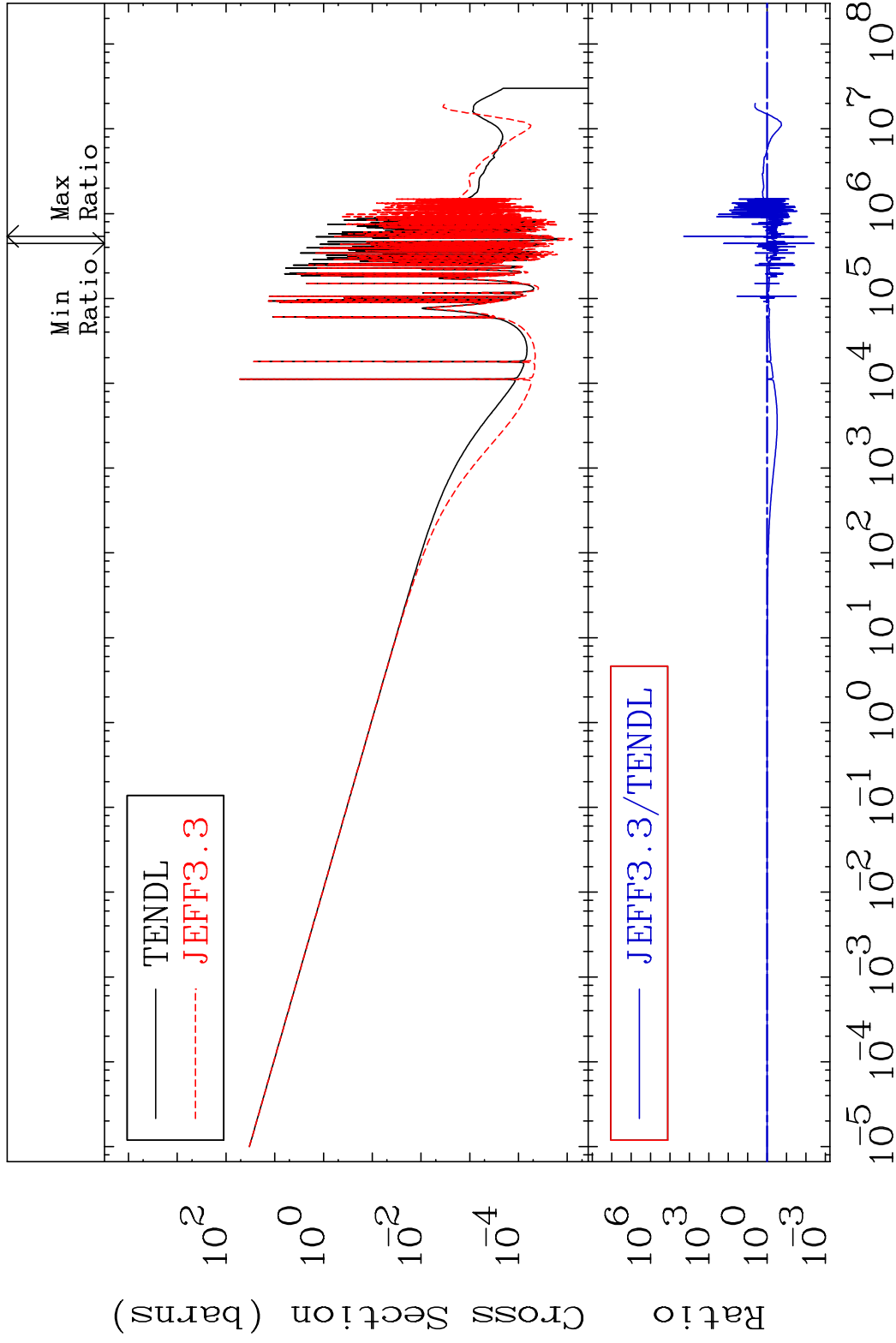
18-Ar-40

MAT 1837

(n,  $\gamma$ )

18-Ar-40

Cross Section -99.62 To 9999. %



34

Incident Energy (eV)

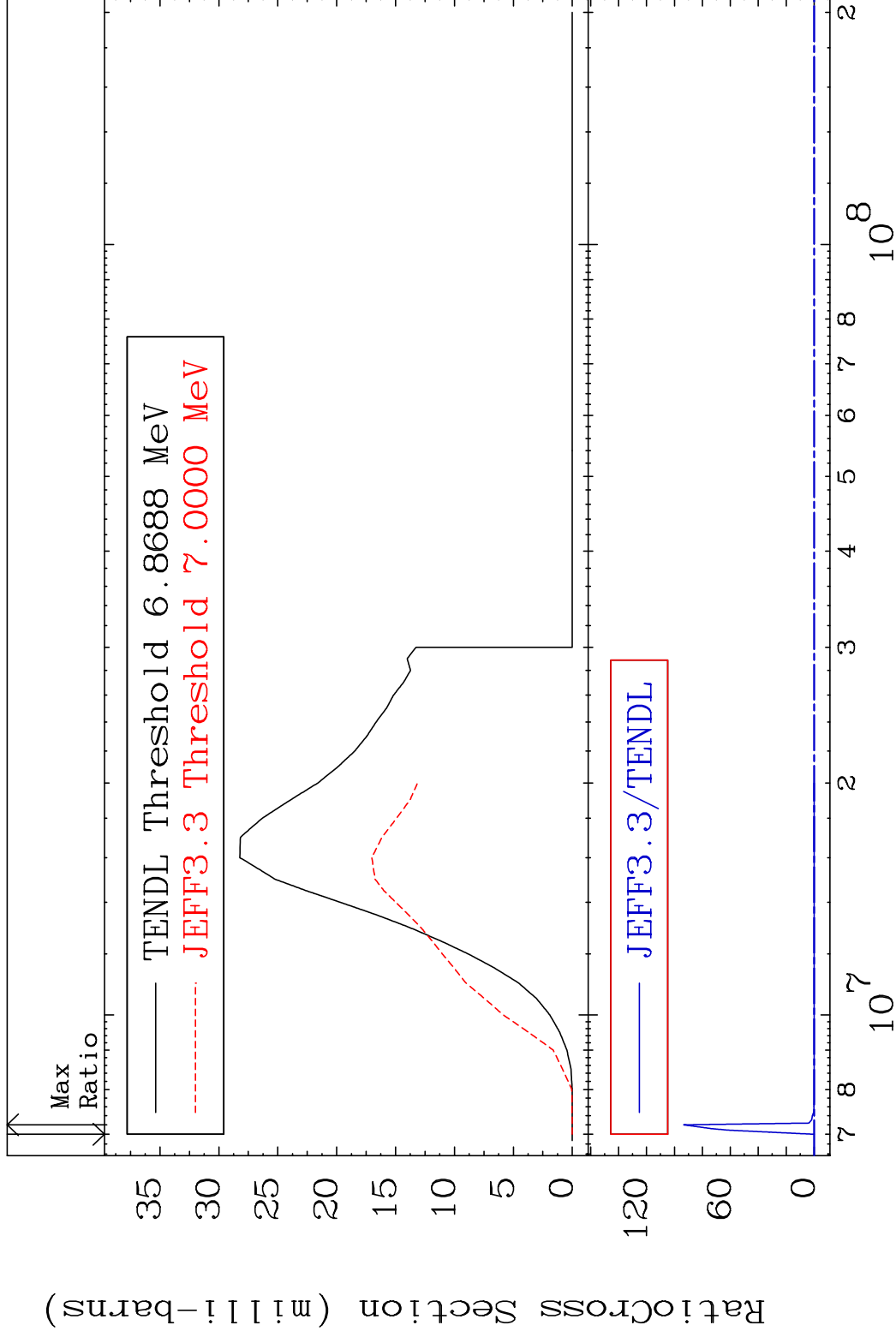
18-Ar-40

MAT 1837

(n,p)

18-Ar-40

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

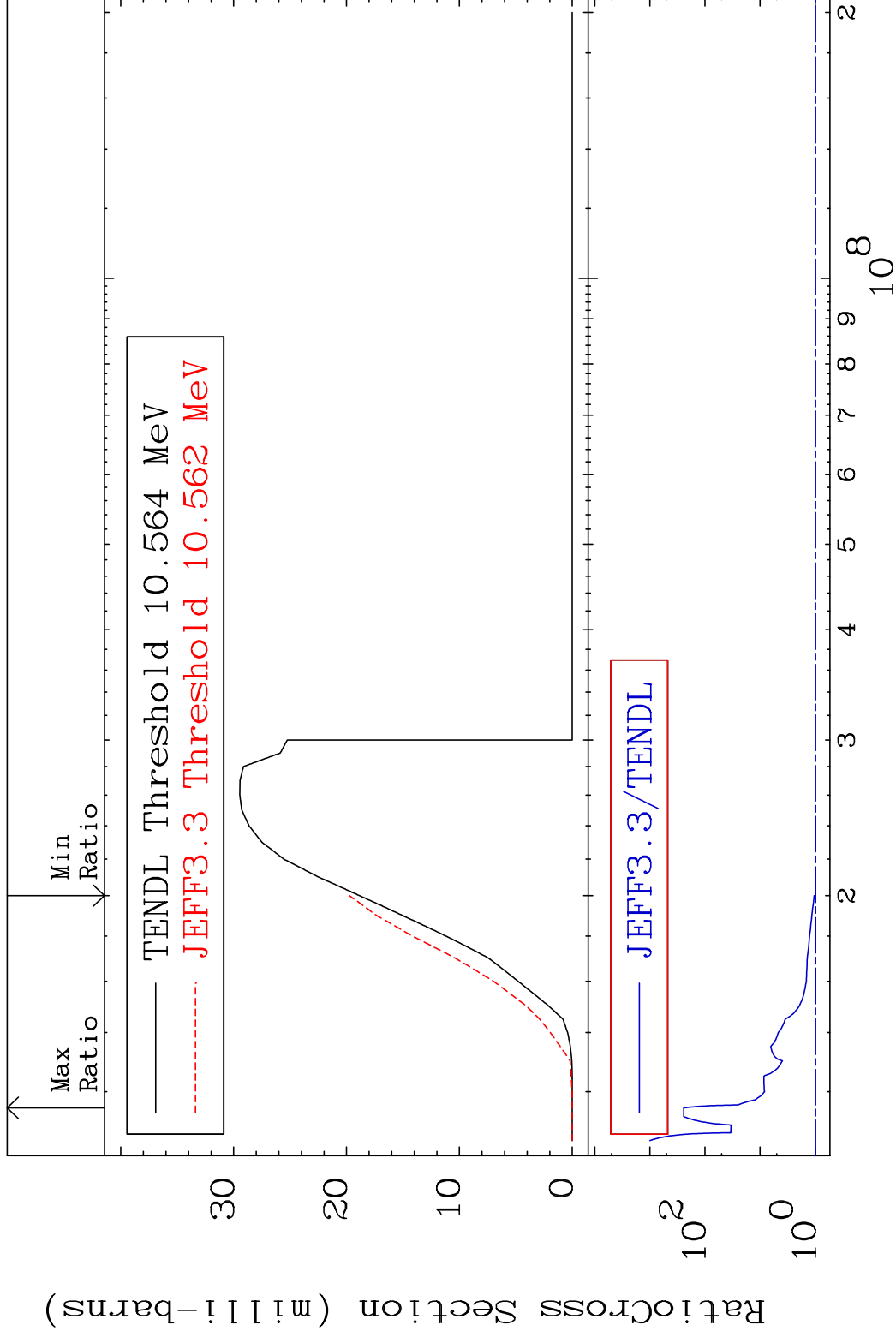
18-Ar-40

MAT 1837

(n, d)

18-Ar-40

Cross Section 4.749 To 9999. %



36

Incident Energy (eV)

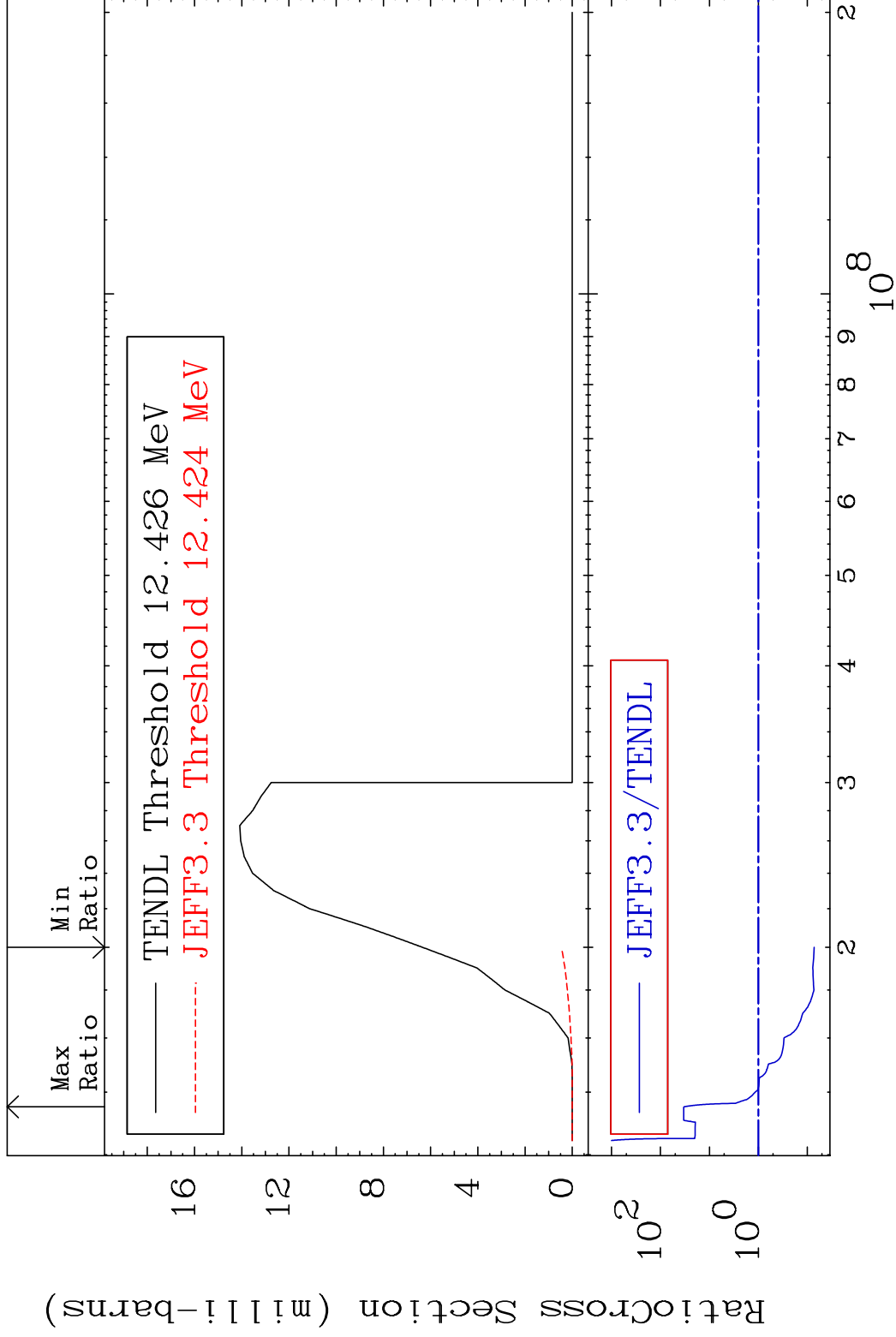
18-Ar-40

MAT 1837

(n, t)

18-Ar-40

Cross Section -92.76 To 3261. %



37

Incident Energy (eV)

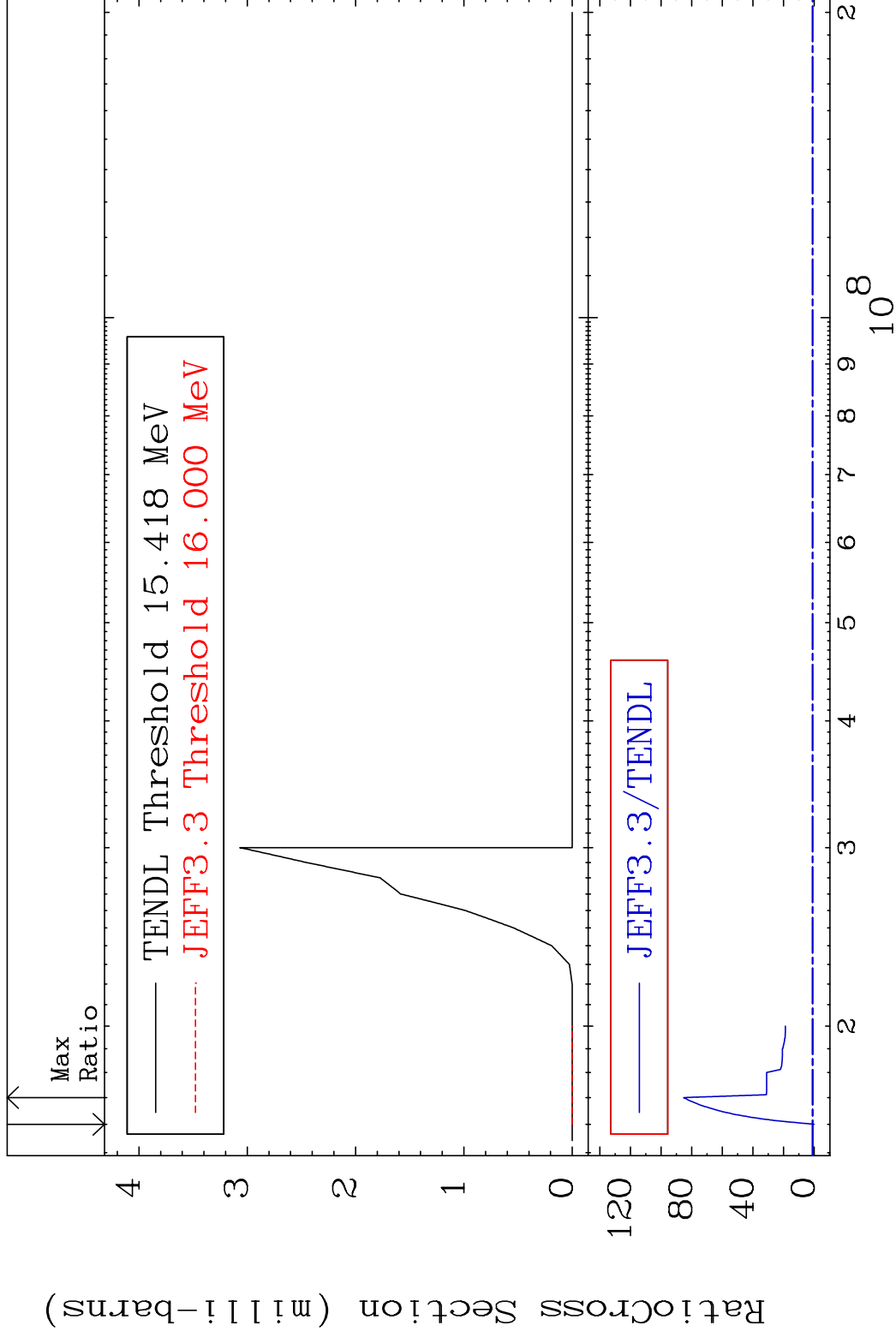
18-Ar-40

MAT 1837

(n, He-3)

18-Ar-40

Cross Section -100.0 To 8427. %

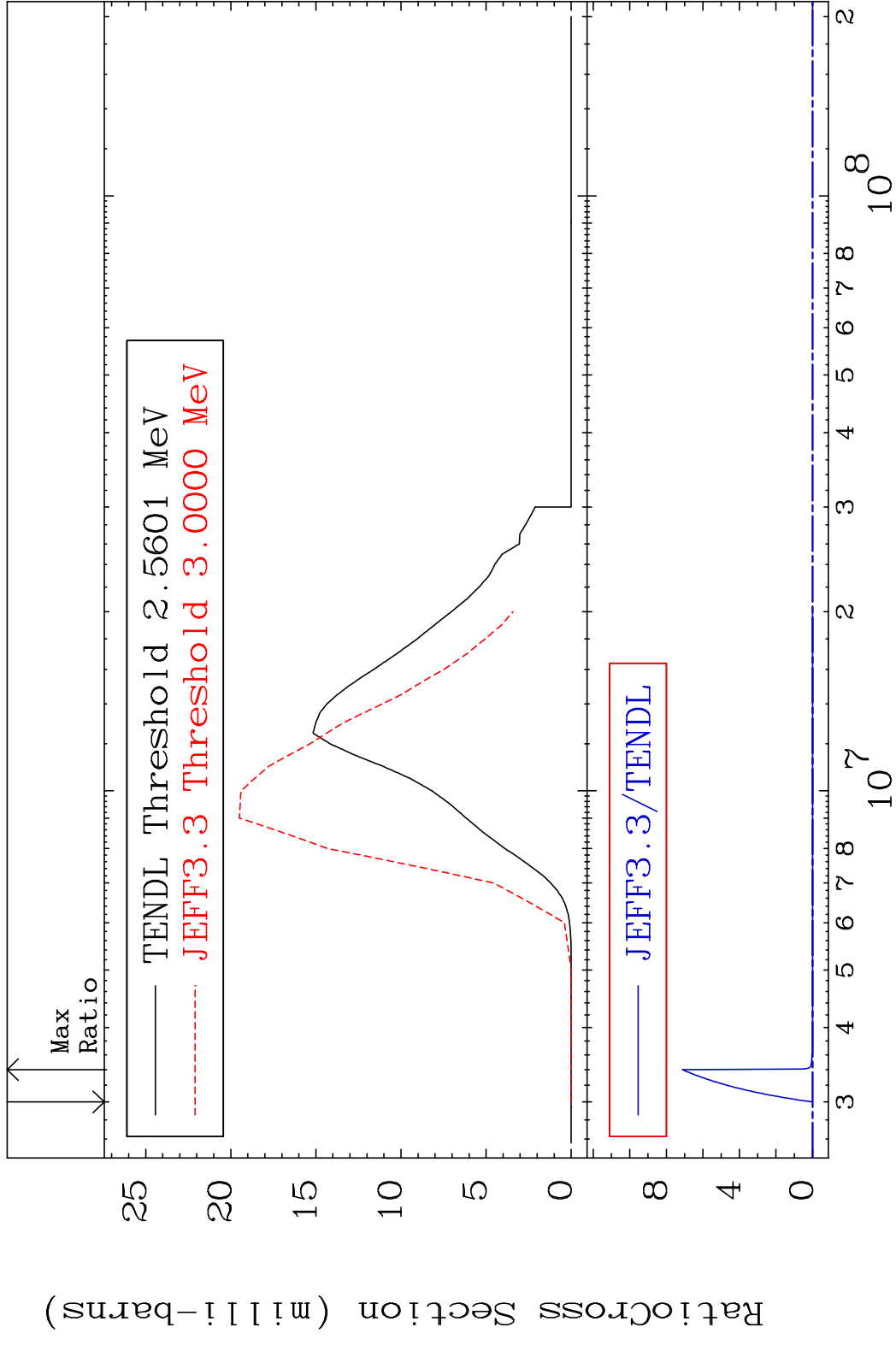


38

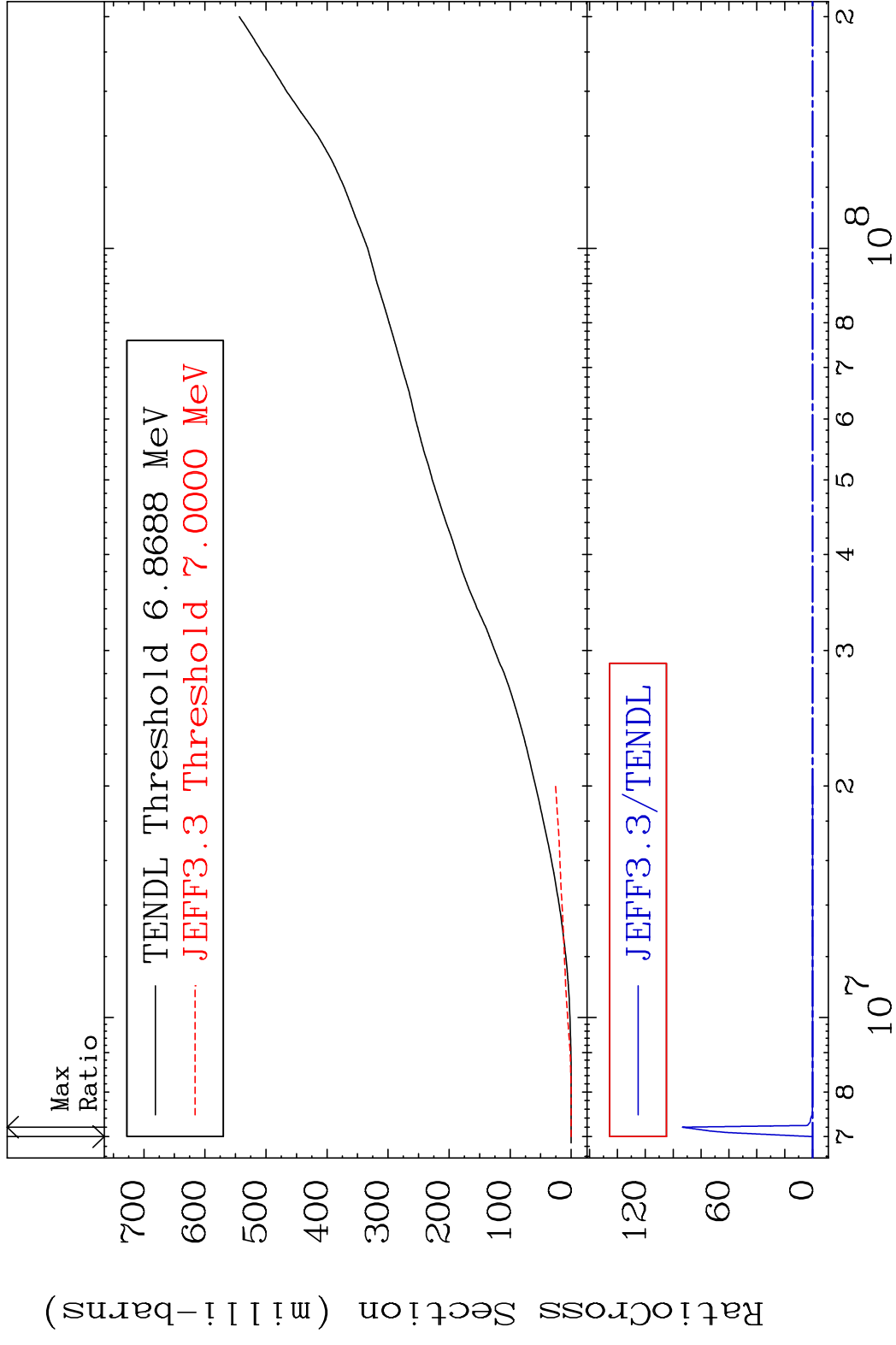
Incident Energy (eV)

18-Ar-40

MAT 1837 (n,  $\alpha$ ) 18-Ar-40  
 Cross Section -100.0 To 9999. %



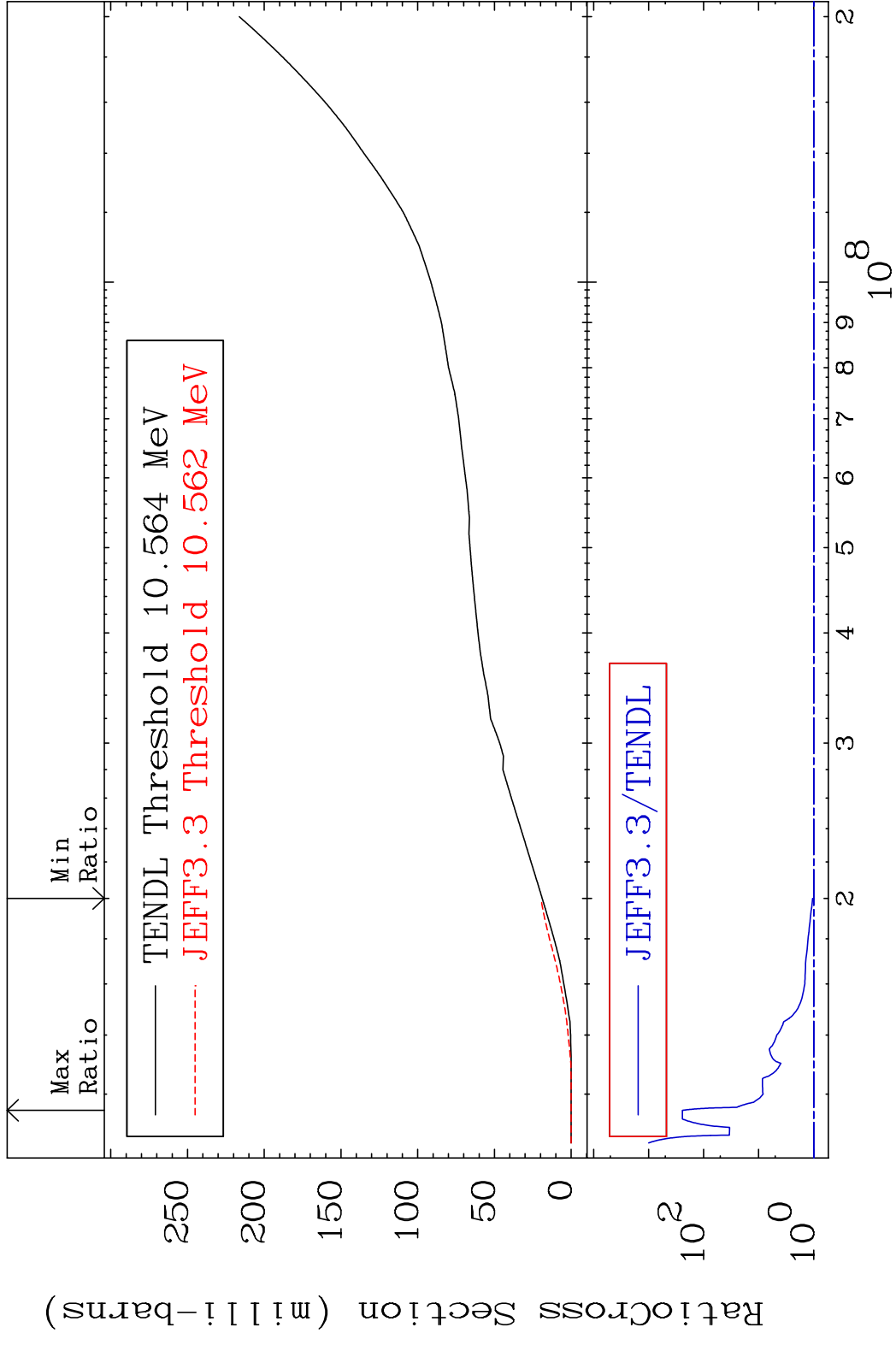
MAT 1837 Hydrogen Production 18-Ar-40  
 Cross Section -100.0 To 9999. %



40 18-Ar-40

MAT 1837

Deuterium Production 18-Ar-40  
Cross Section 4.749 To 9999. %

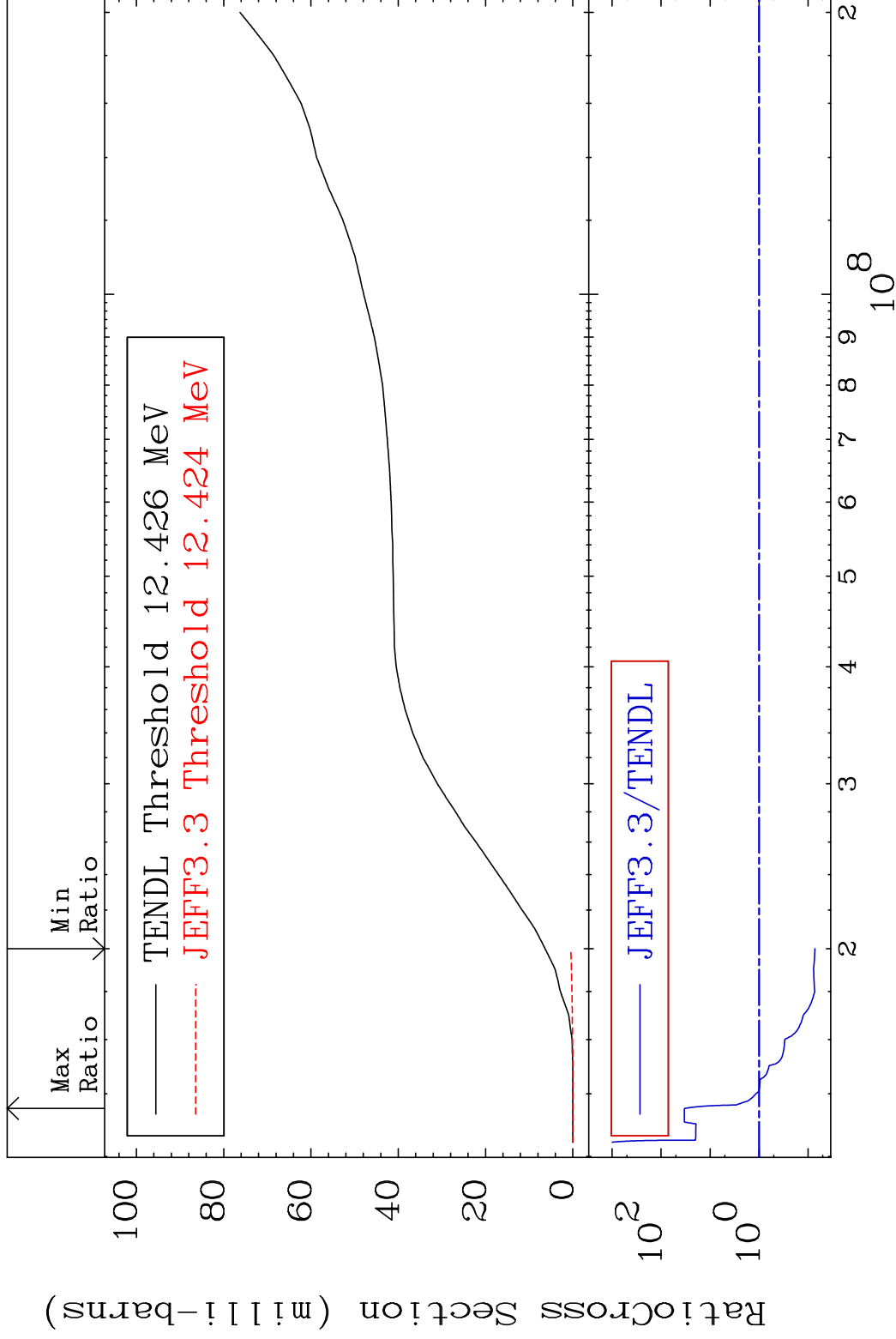


MAT 1837

Tritium Production

18-Ar-40

Cross Section -92.76 To 3261. %



42

Incident Energy (eV)

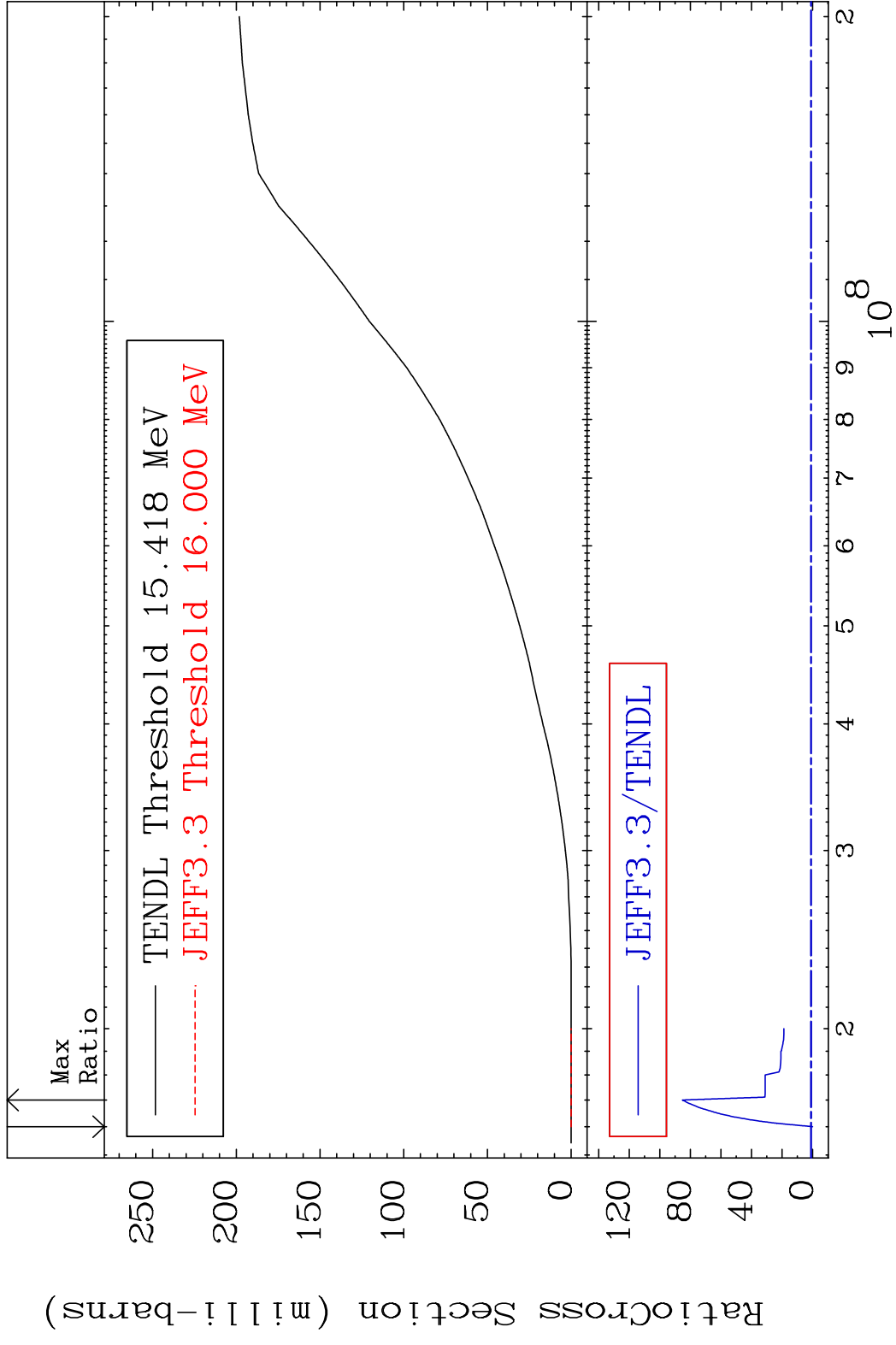
18-Ar-40

MAT 1837

He-3 Production

18-Ar-40

Cross Section -100.0 To 8427. %



43

Incident Energy (eV)

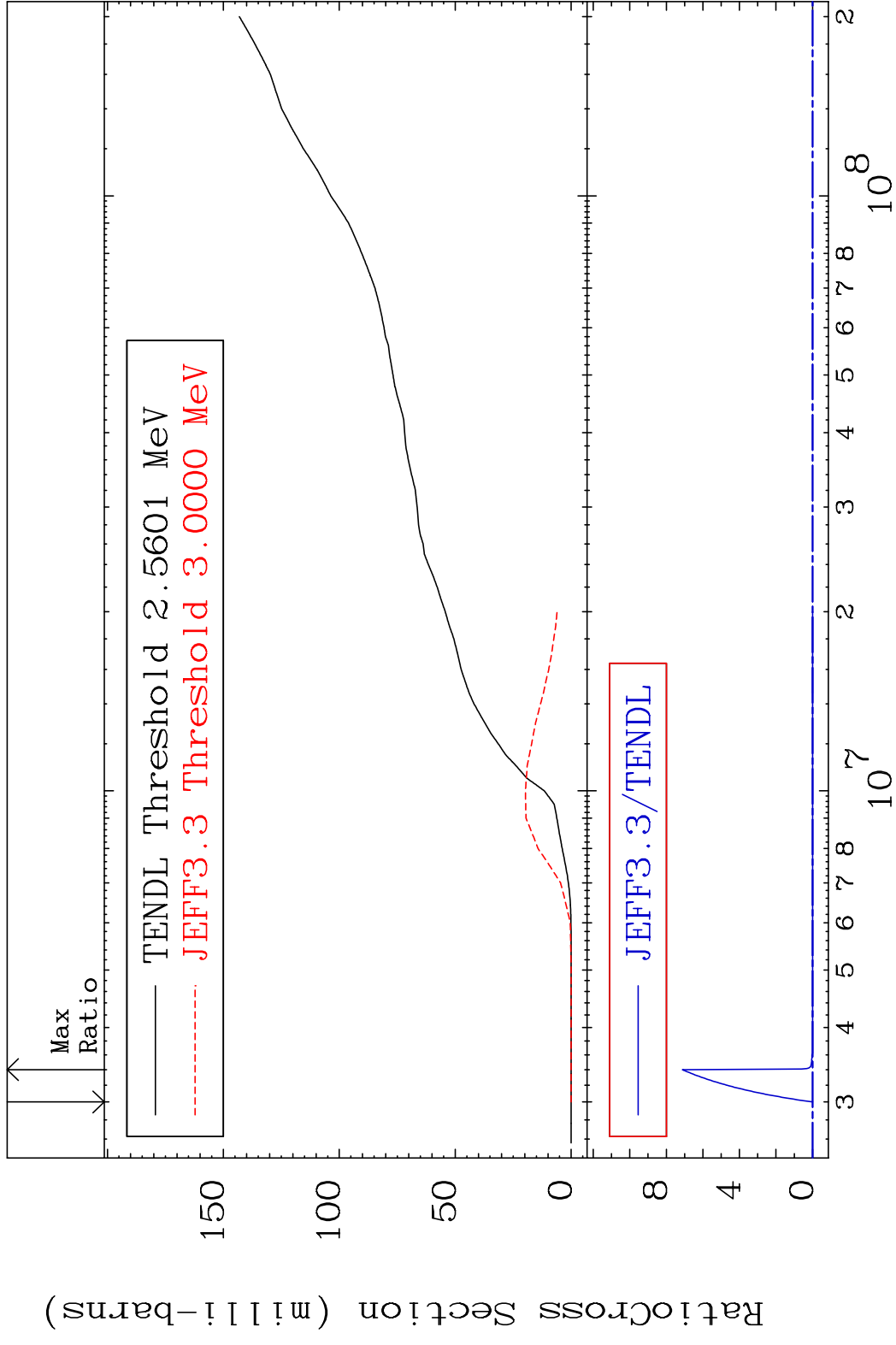
18-Ar-40

MAT 1837

He-4 Production

18-Ar-40

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

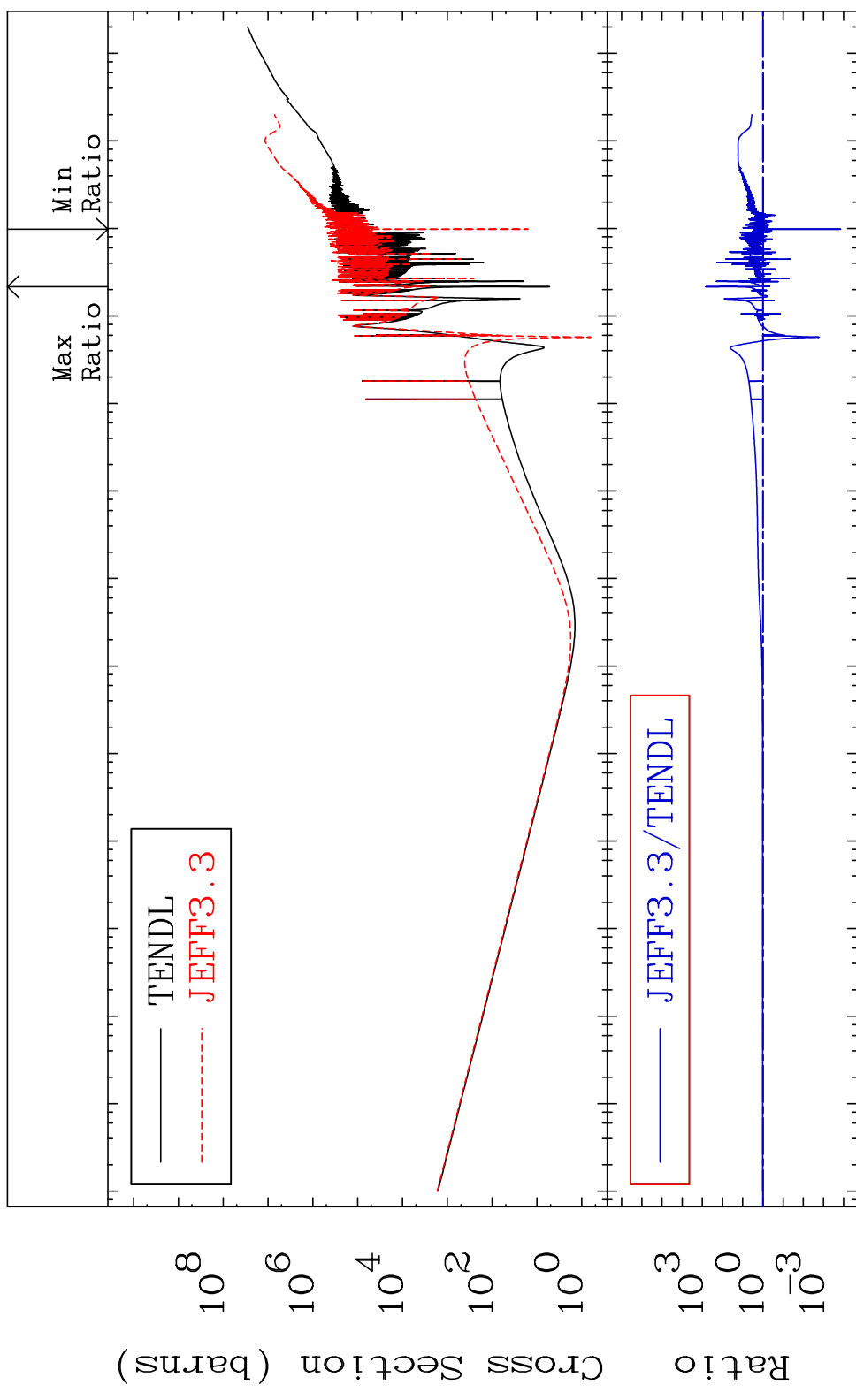
18-Ar-40

MAT 1837

Kerma total (eV-barns)

18-Ar-40

Cross Section -99.99 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>

45

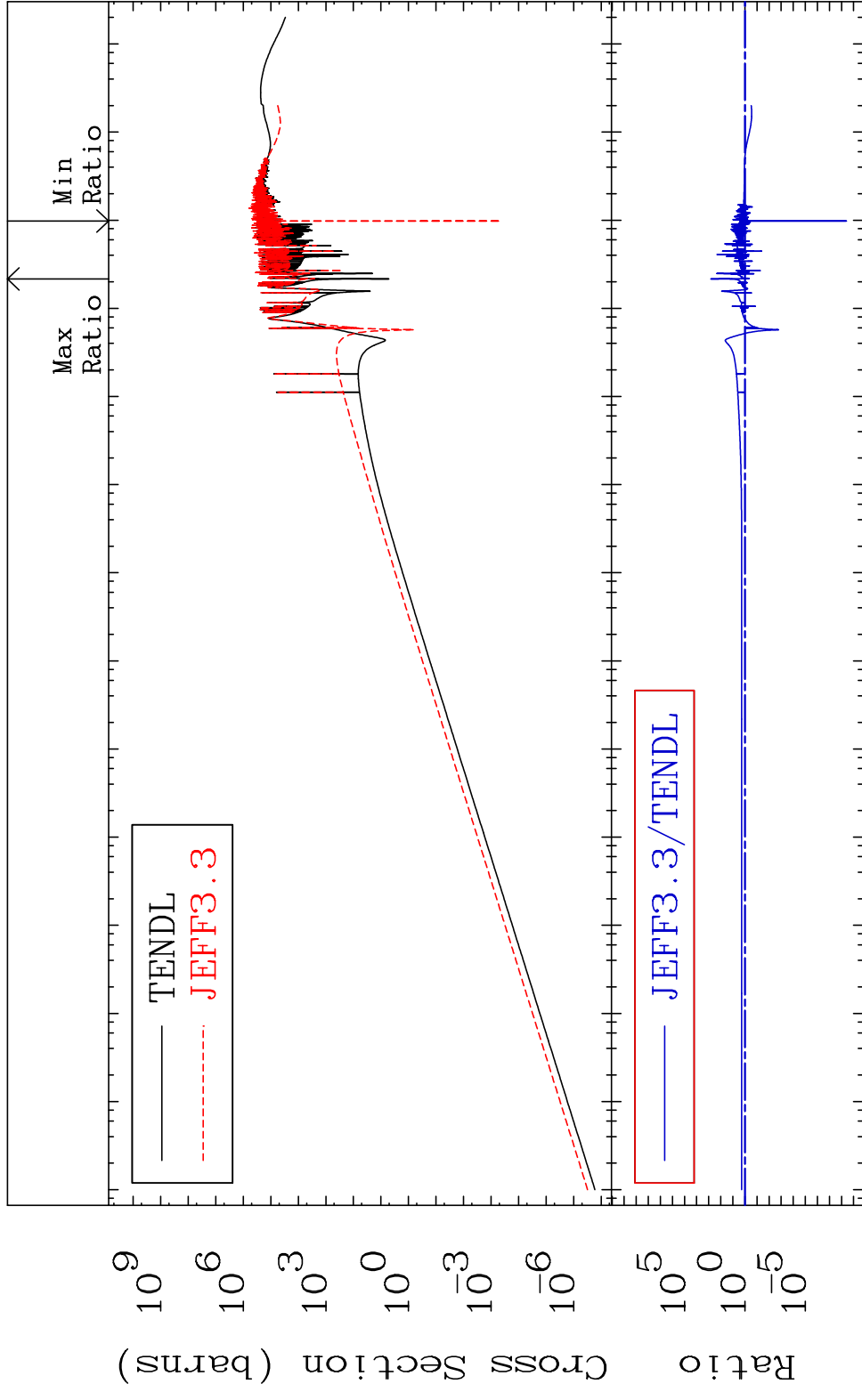
Incident Energy (eV)

18-Ar-40

MAT 1837

Kerma elastic  
Cross Section

18-Ar-40  
-100.0 To 9999. %



$10^9$   
 $10^6$   
 $10^3$   
 $10^0$   
 $10^{-3}$   
 $10^{-6}$   
 $10^5$   
 $10^0$   
 $10^{-5}$

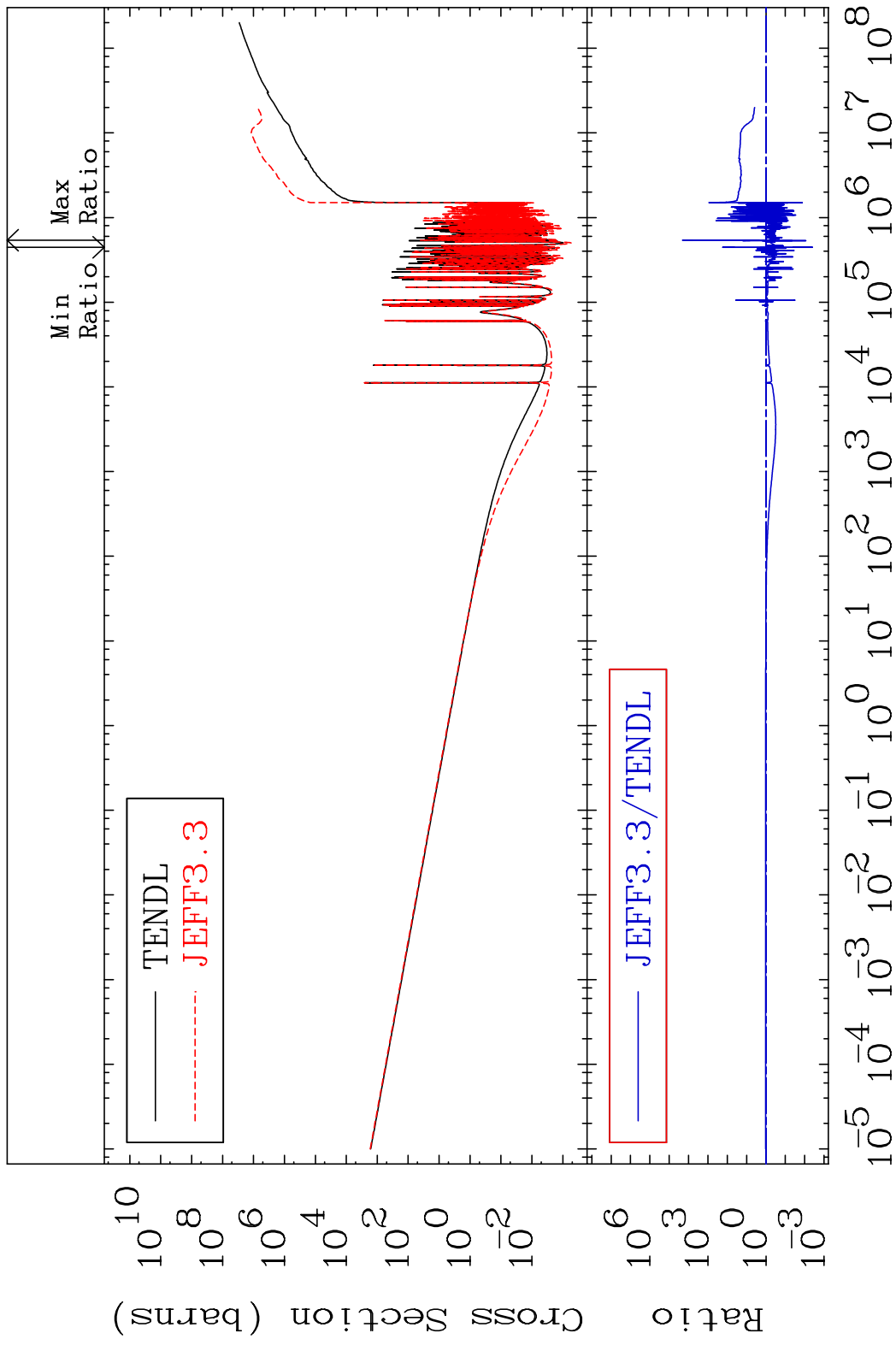
$10^{-5}$   $10^{-4}$   $10^{-3}$   $10^{-2}$   $10^{-1}$   $10^0$   $10^1$   $10^2$   $10^3$   $10^4$   $10^5$   $10^6$   $10^7$   $10^8$

46

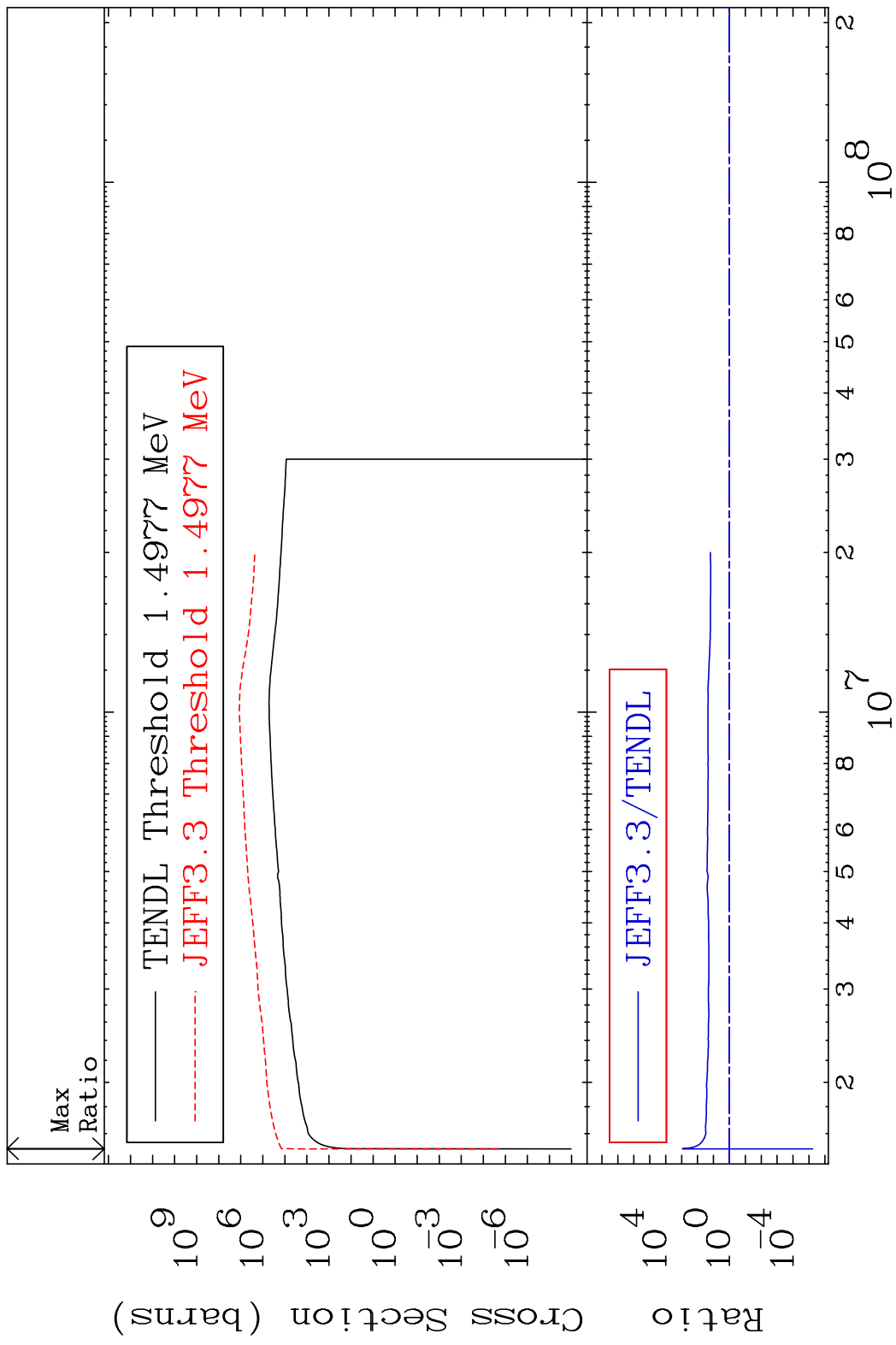
Incident Energy (eV)

18-Ar-40

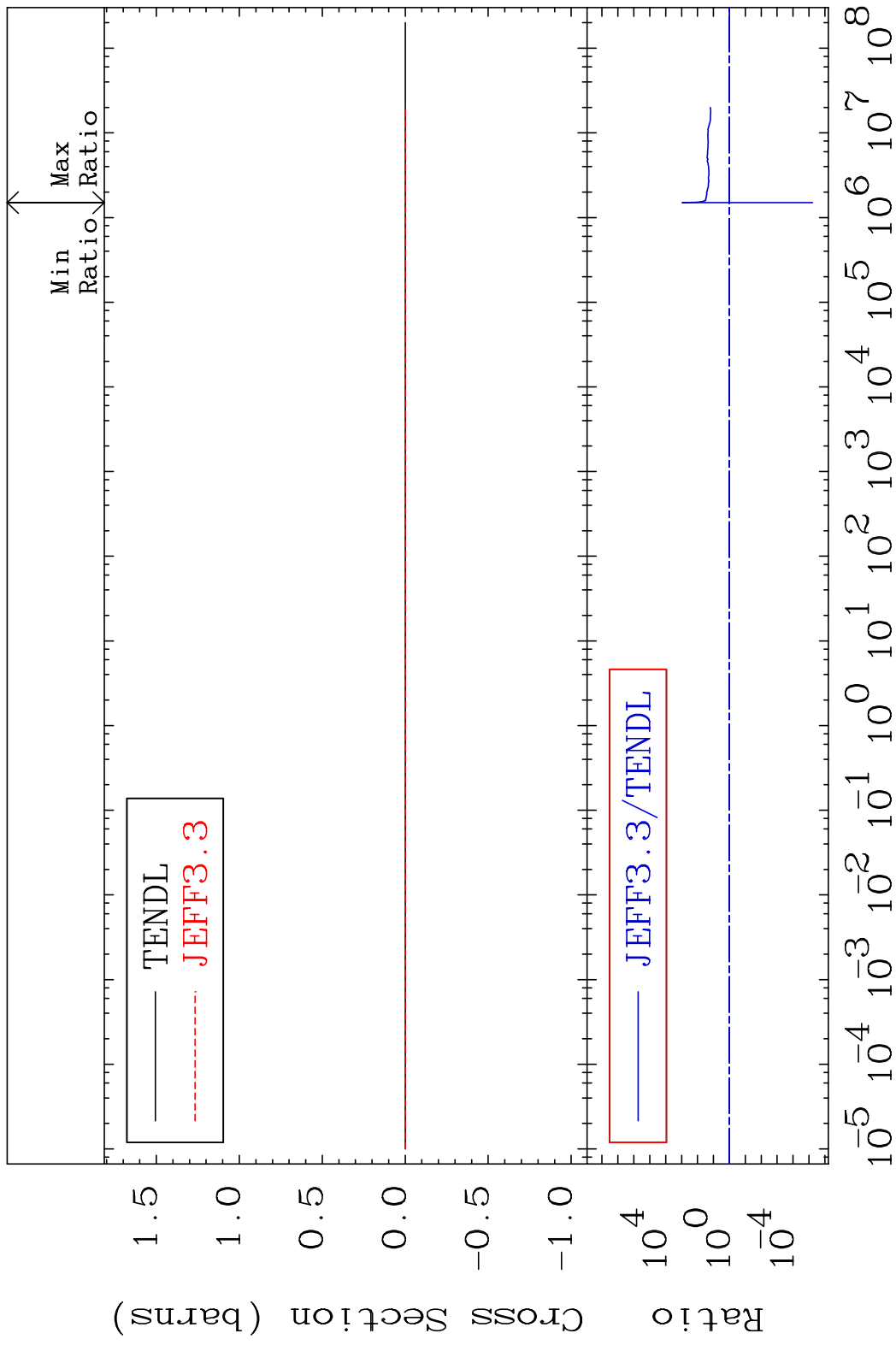
MAT 1837 Kerma non-elastic (all but mt2) 18-Ar-40  
 Cross Section -99.61 To 9999. %



MAT 1837 Kerma inelastic (mt51-91) 18-Ar-40  
 Cross Section -100.0 To 9999. %



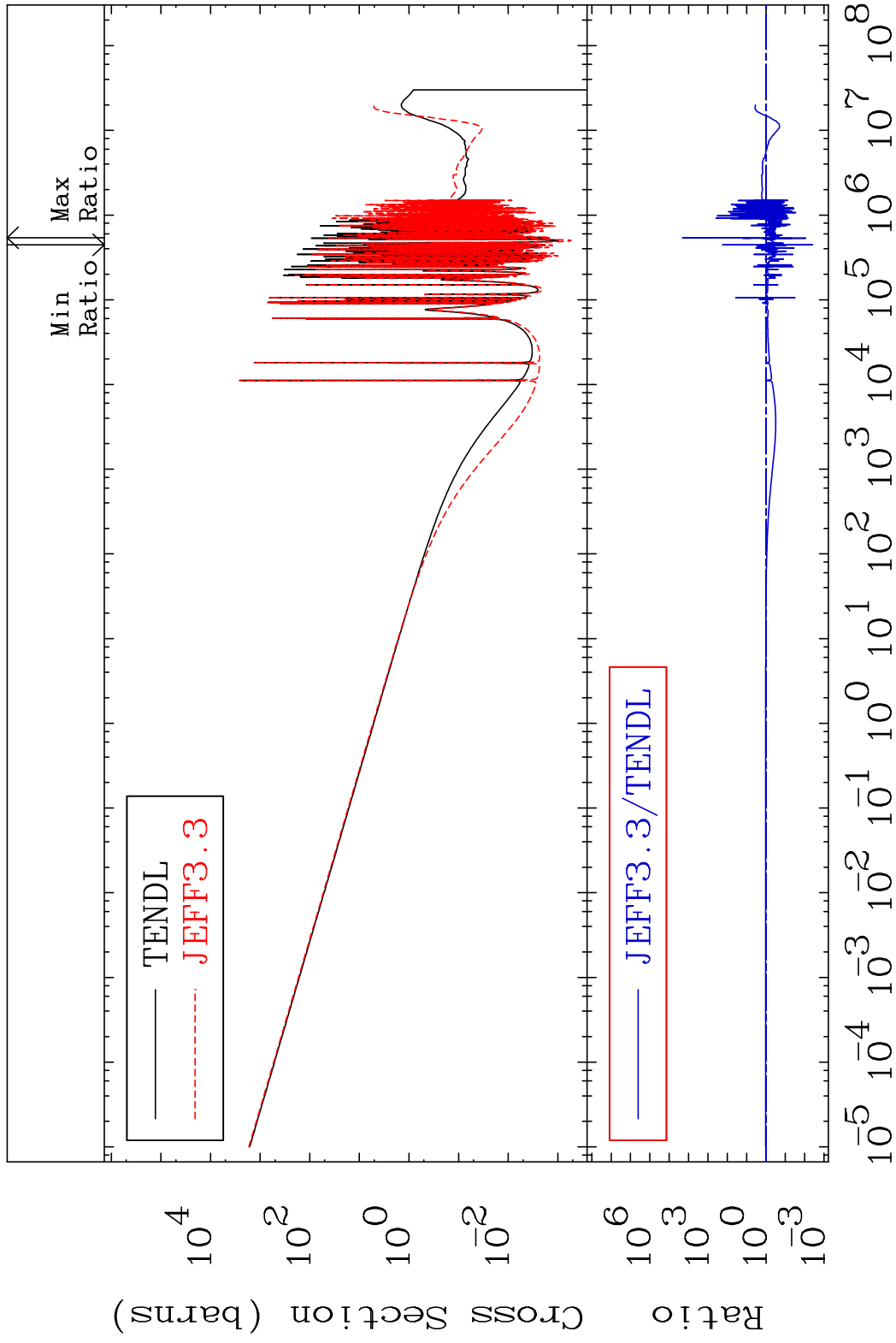
MAT 1837 Kerma fission (mt18 or mt19-20-21-38) 18-Ar-40  
 Cross Section -100.0 To 9999. %



MAT 1837

Kerma capture (mt102) 18-Ar-40

Cross Section -99.61 To 9999. %



50

Incident Energy (eV)

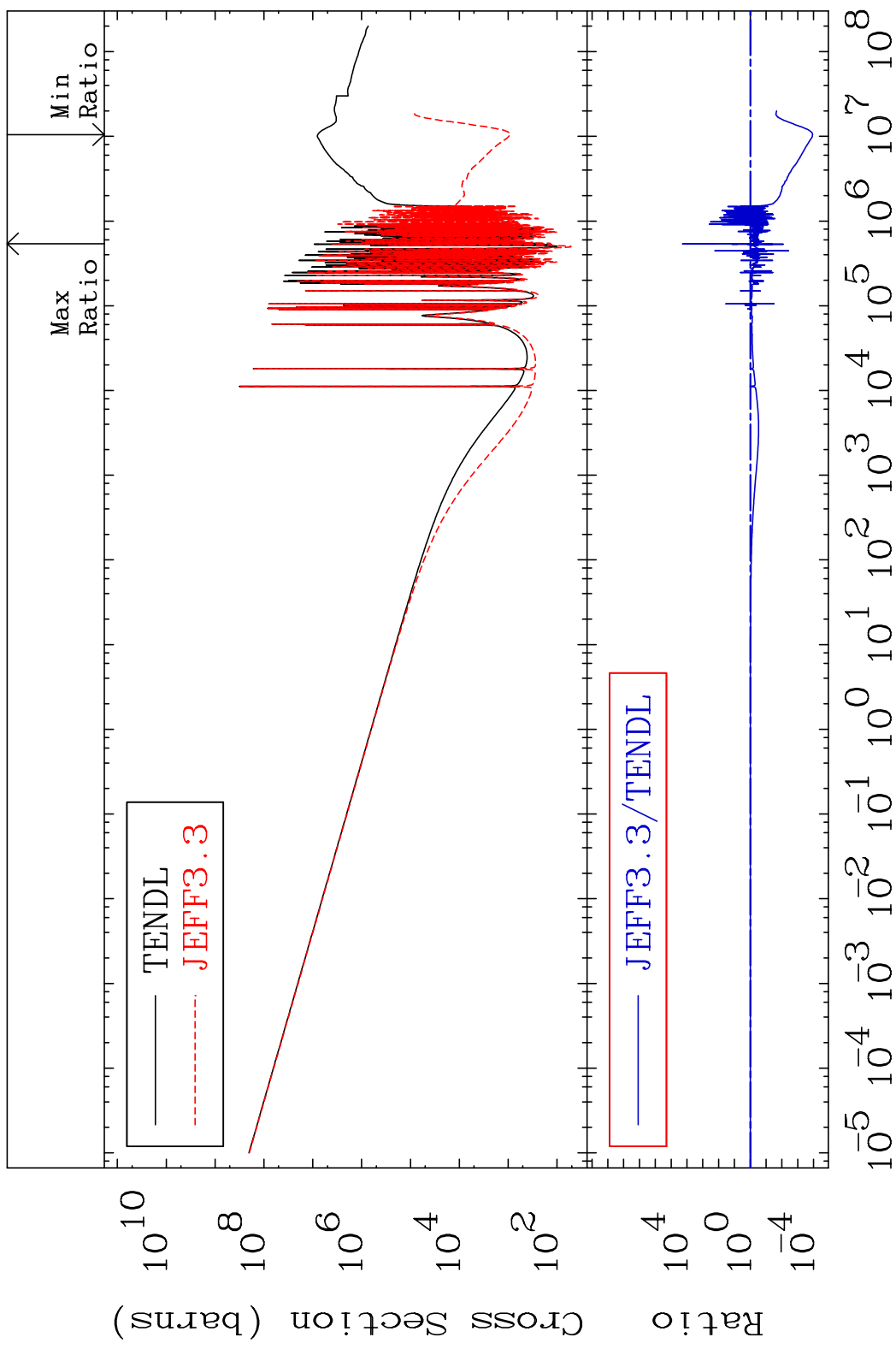
18-Ar-40

MAT 1837

Total photon (eV-barns)

18-Ar-40

Cross Section -99.99 To 9999. %

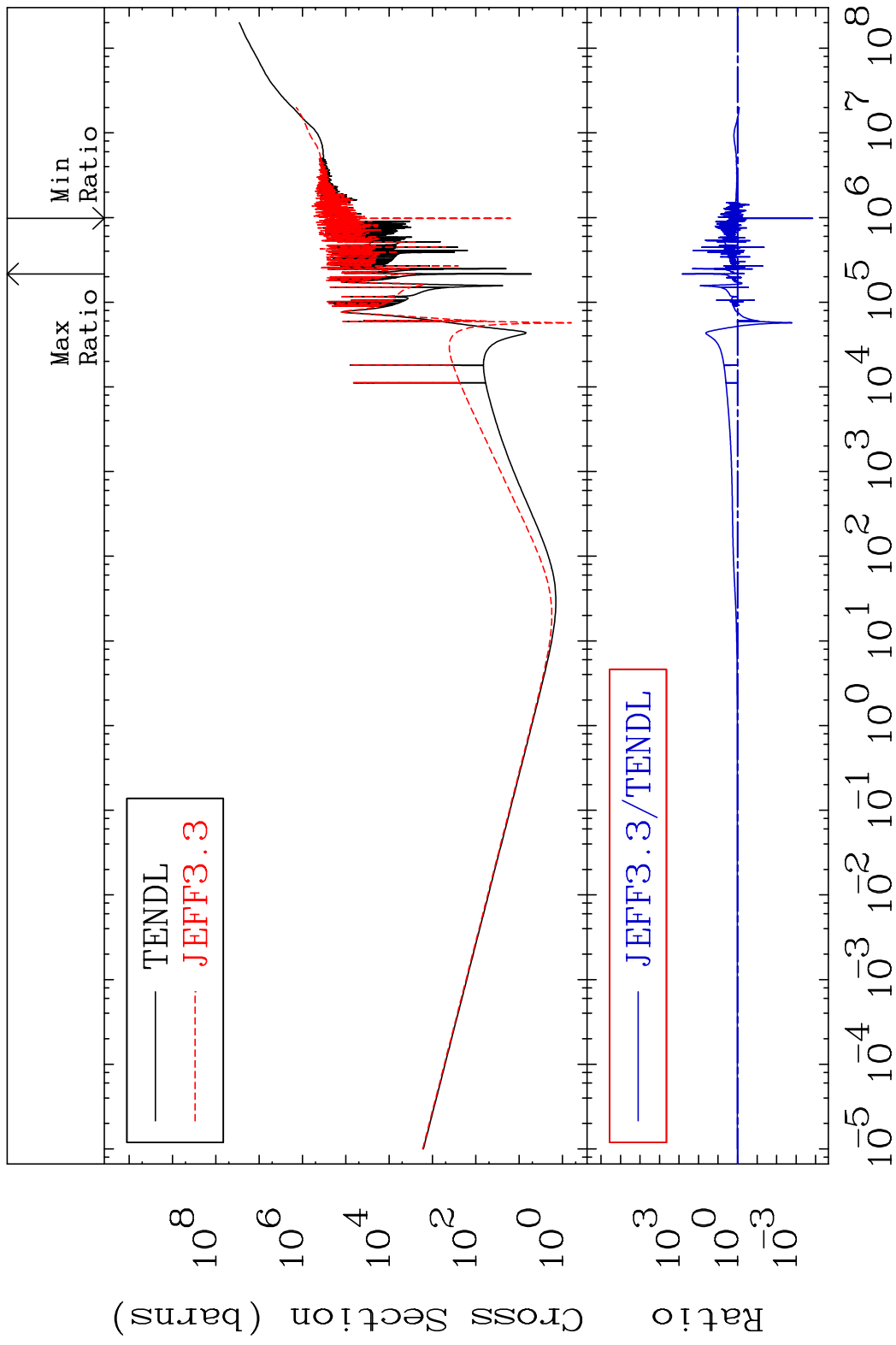


51

Incident Energy (eV)

18-Ar-40

MAT 1837 Total kinematic kerma (high limit) 18-Ar-40  
 Cross Section -99.99 To 9999. %

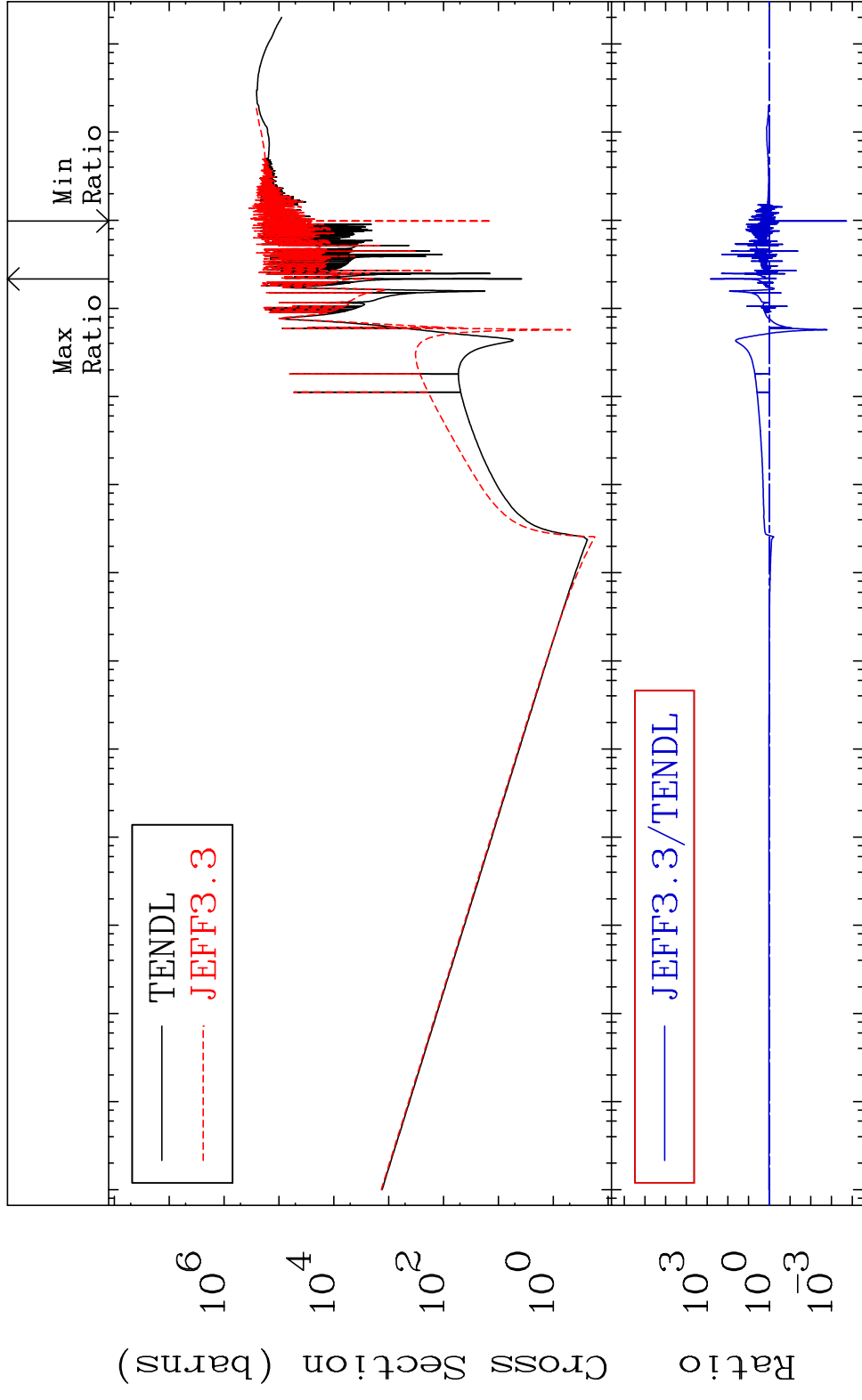


MAT 1837

Dpa total (eV-barns)

18-Ar-40

Cross Section -99.98 To 9999. %



53

Incident Energy (eV)

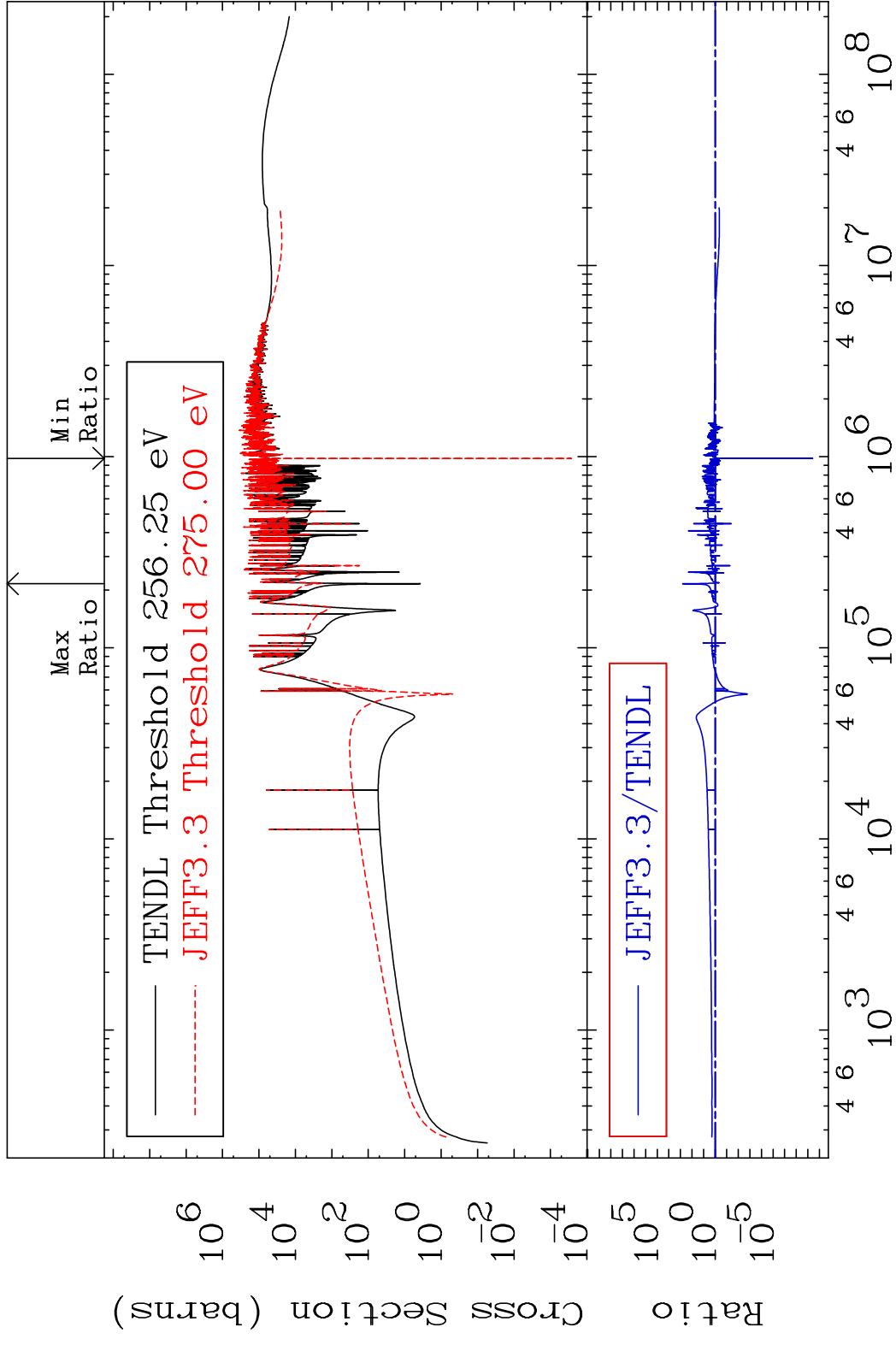
18-Ar-40

MAT 1837

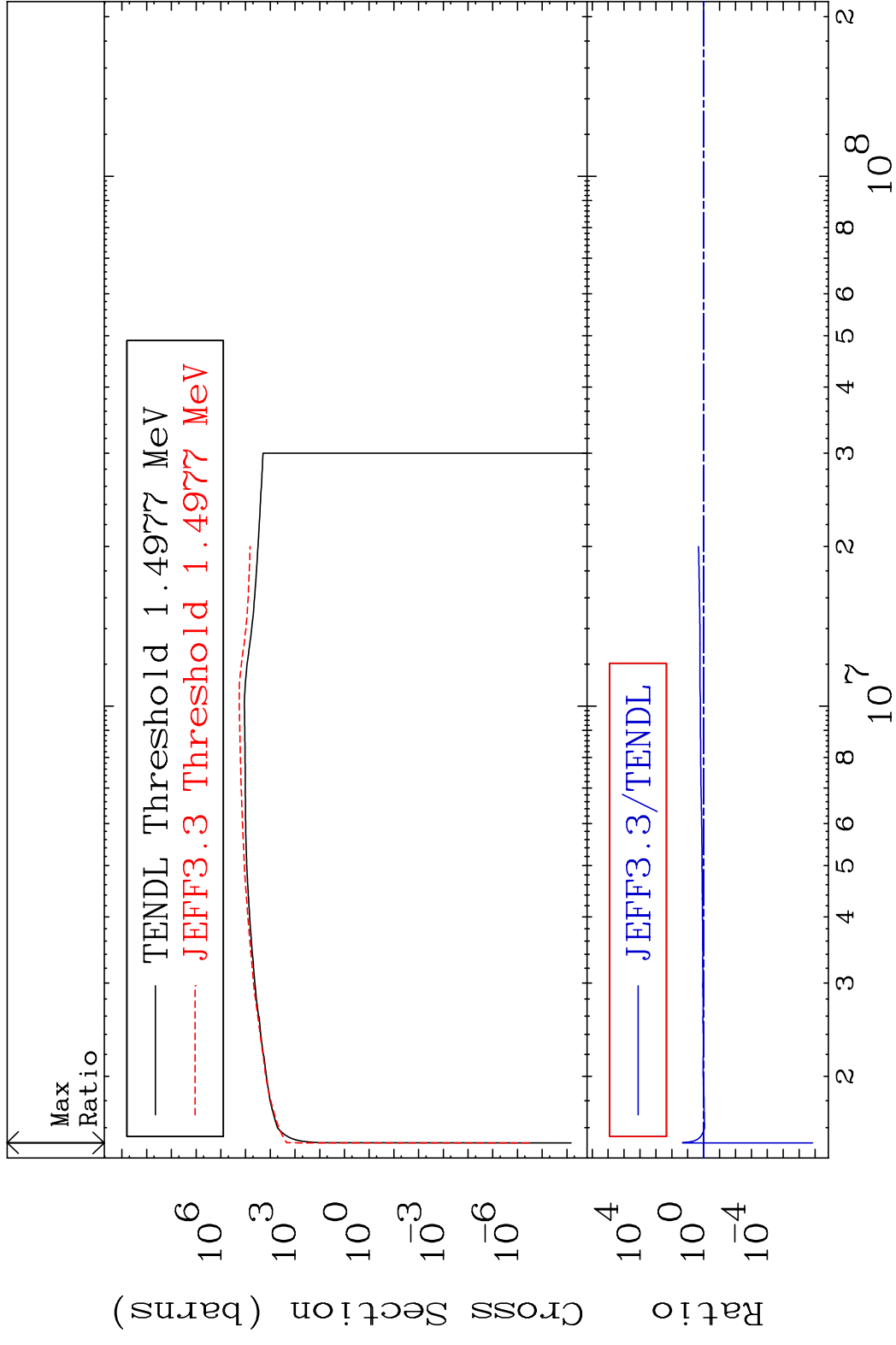
Dpa elastic (mt2)

18-Ar-40

Cross Section -100.0 To 9999. %



MAT 1837      Dpa inelastic (mt51-91)      18-Ar-40  
 Cross Section      -100.0 To 2074.      %



MAT 1837 Dpa disappearance (mt102 -120) 18-Ar-40  
 Cross Section -99.61 To 9999. %

