

Program Complot  
(Version 2018-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

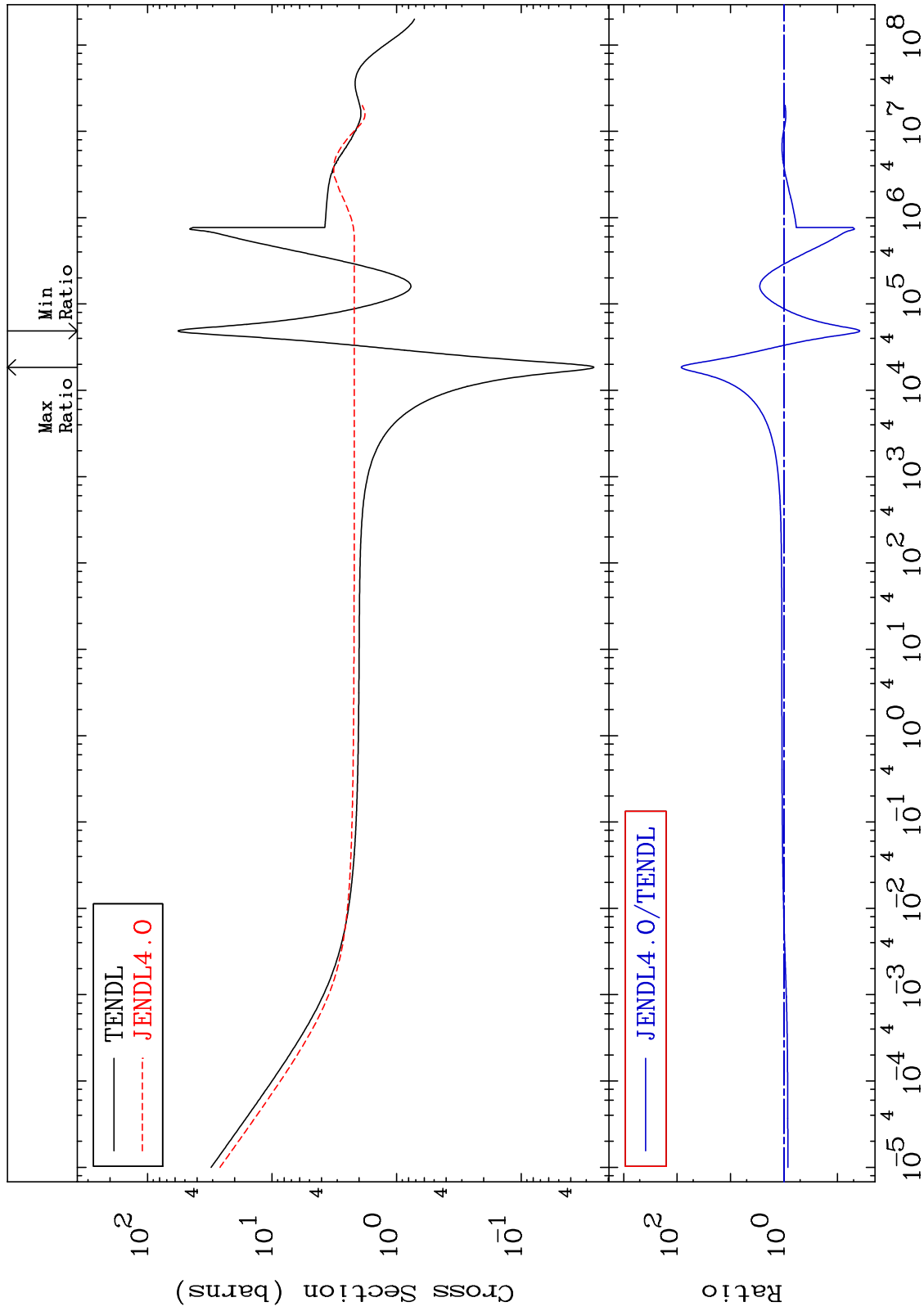
MAT 1637

Total

16-S -36

Cross Section

-96.16 To 8277. %



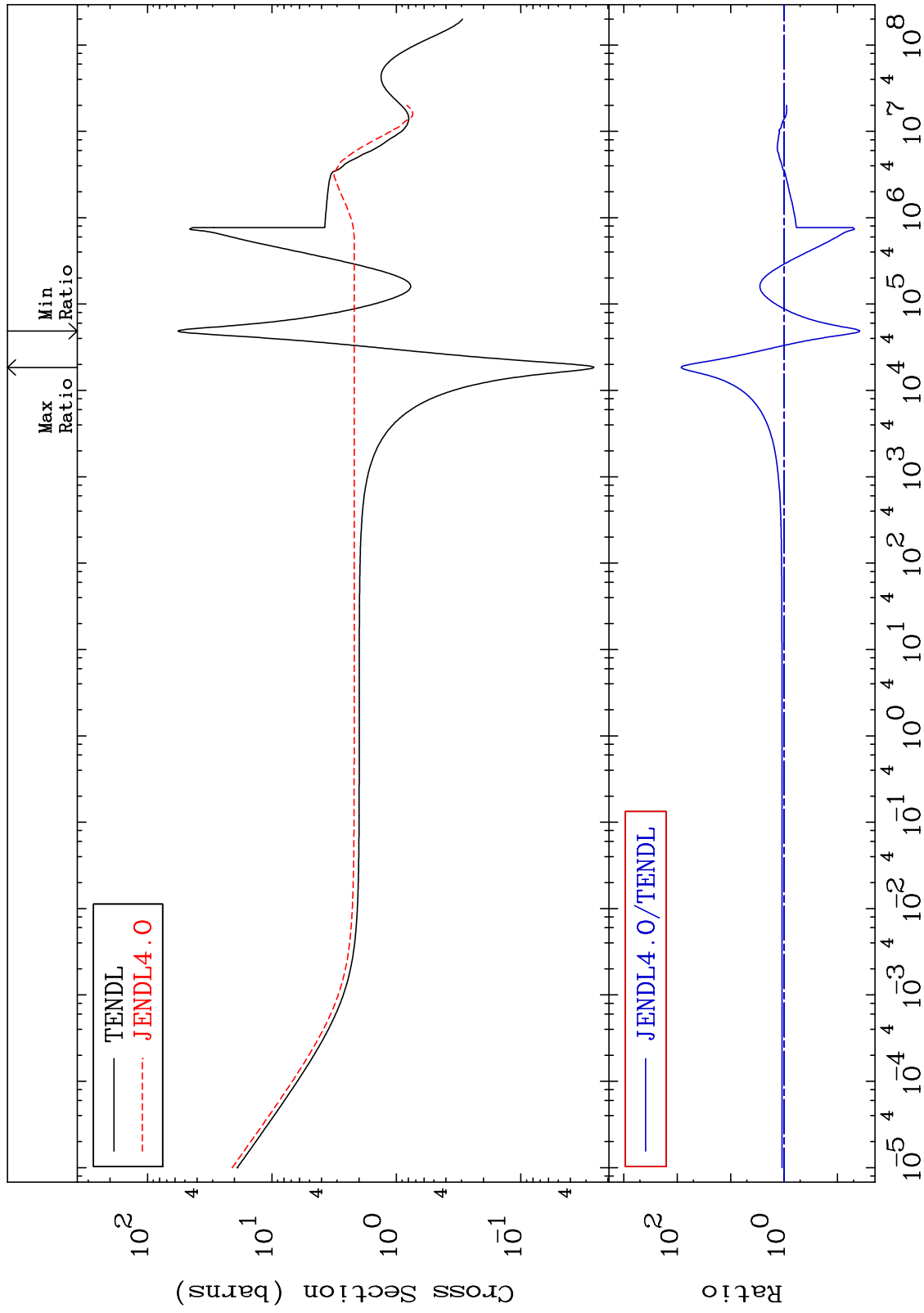
Incident Energy (eV)

16-S -36

MAT 1637

Elastic  
Cross Section

16-S -36  
-96.16 To 8331. %

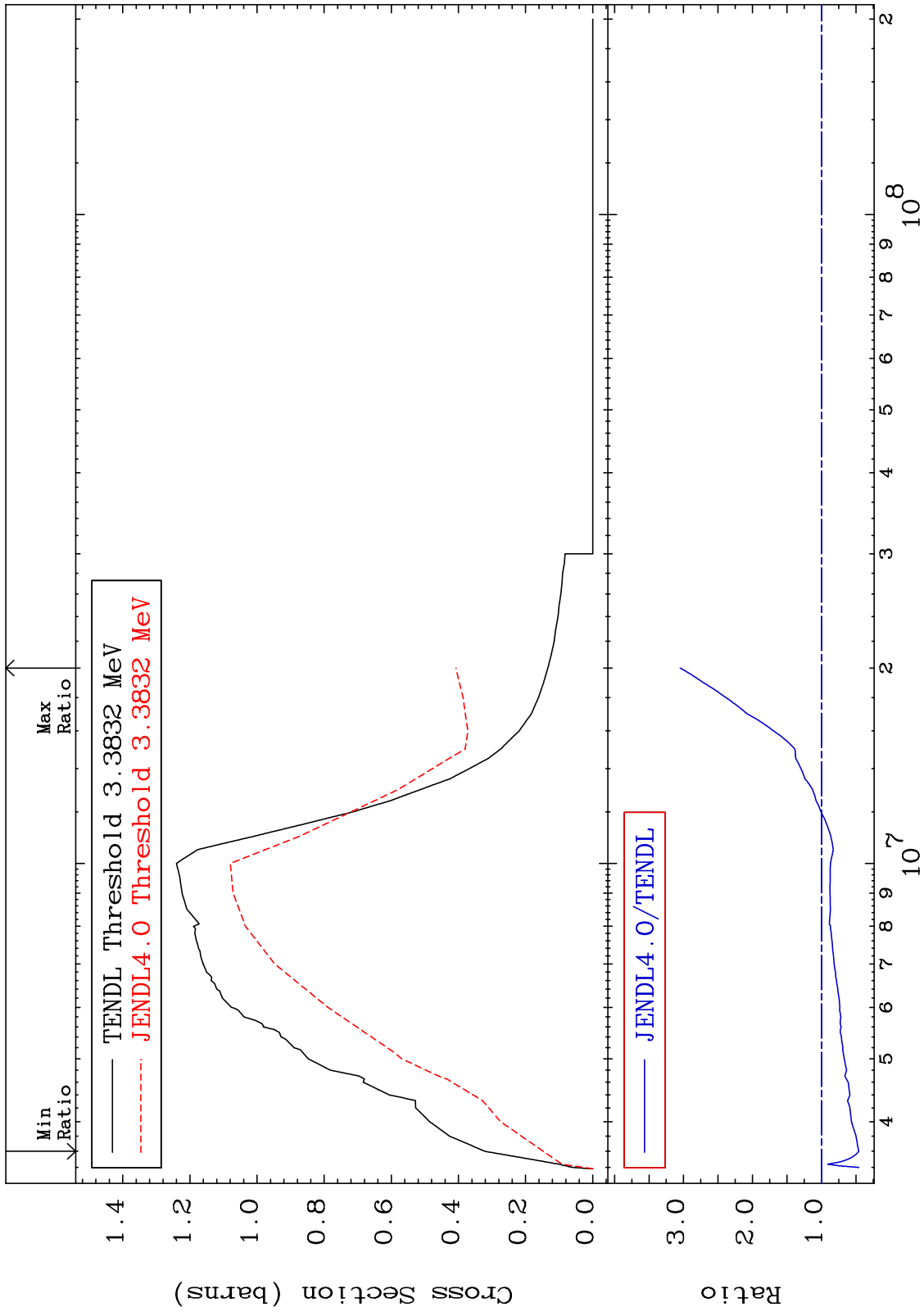


MAT 1637

Inelastic  
Cross Section

16-S -36

-54.22 To 204.8 %

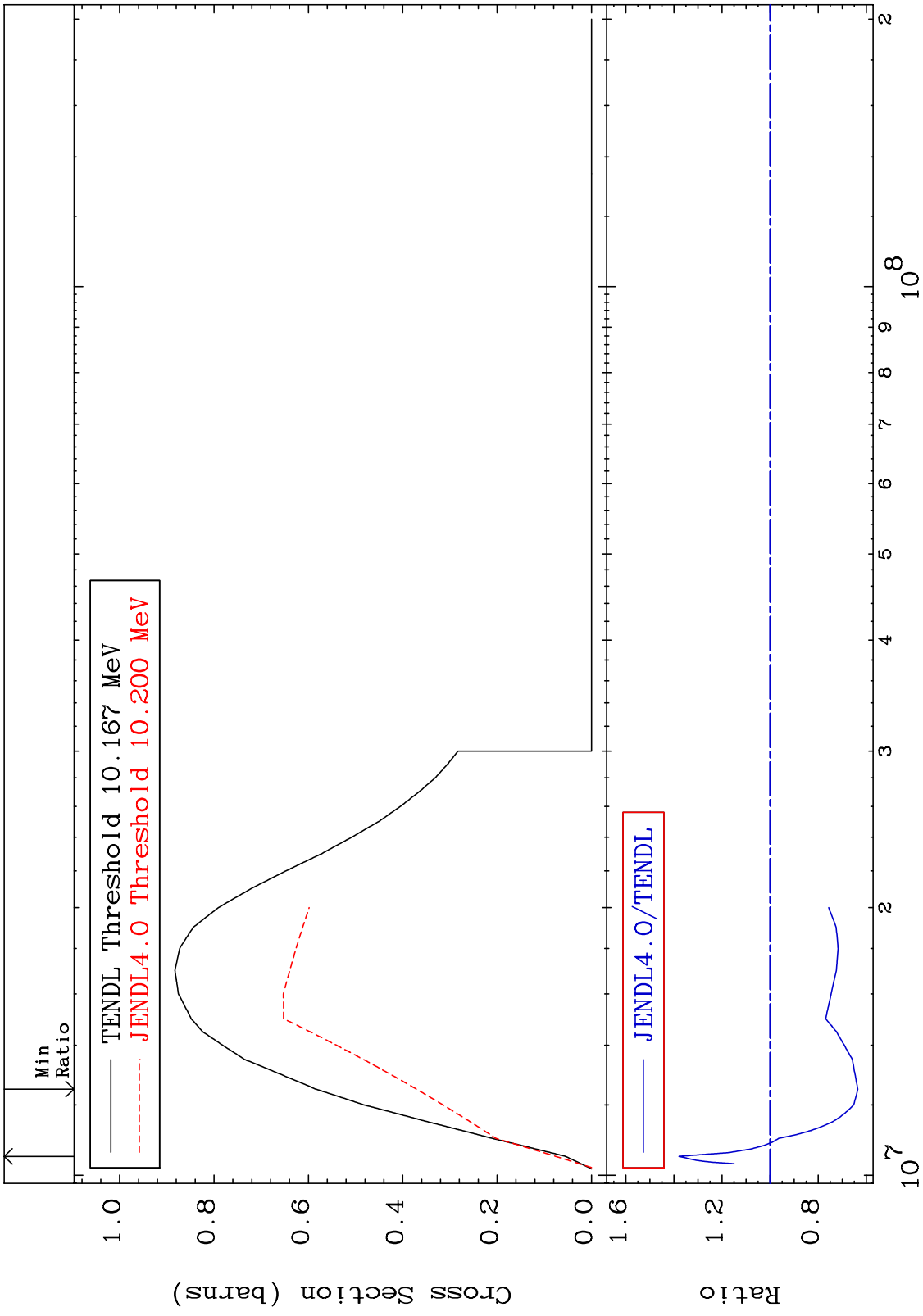


16-S -36

Incident Energy (eV)

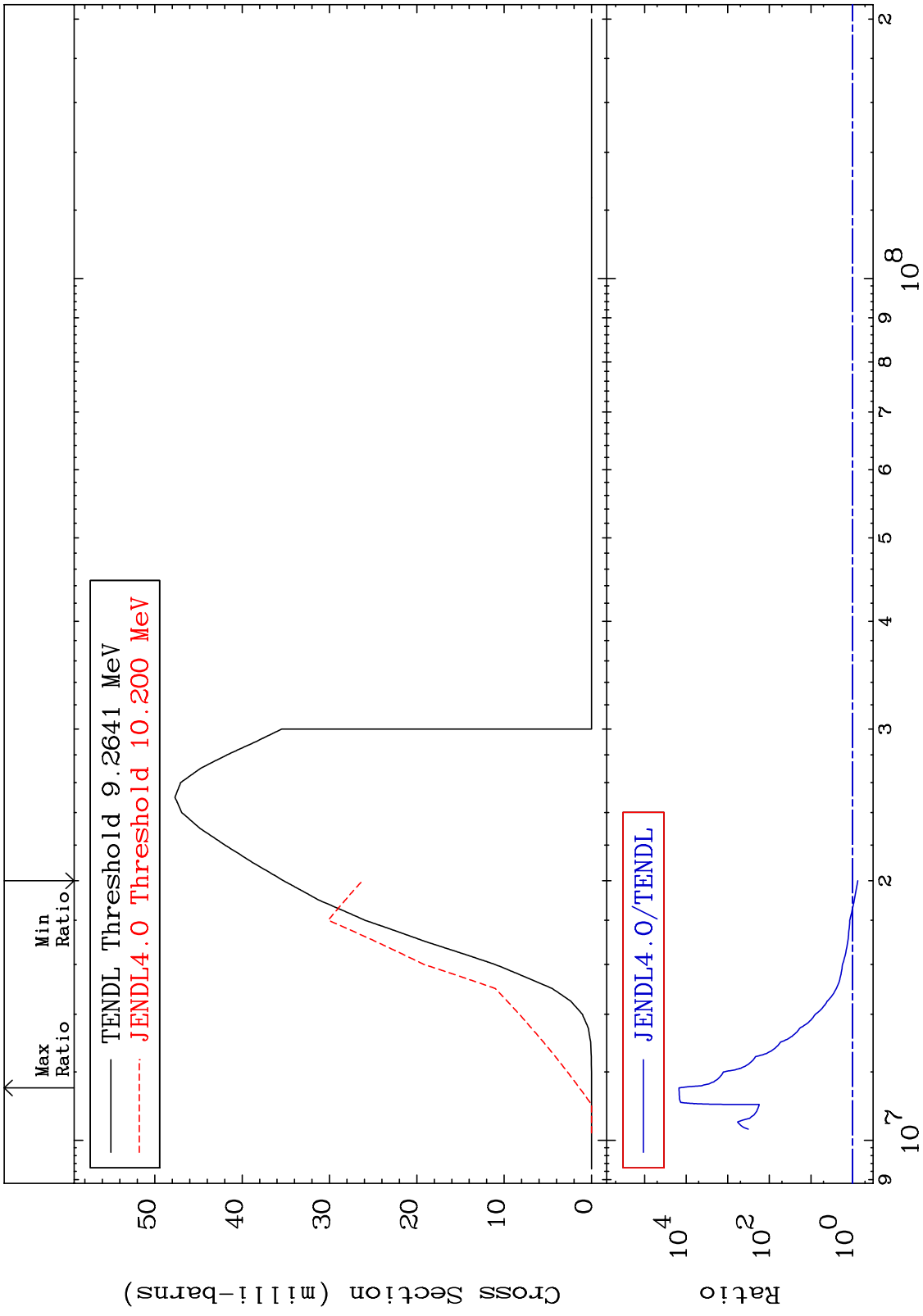
3

MAT 1637 (n,2n) Cross Section 16-S -36 -36.49 To 37.90 %

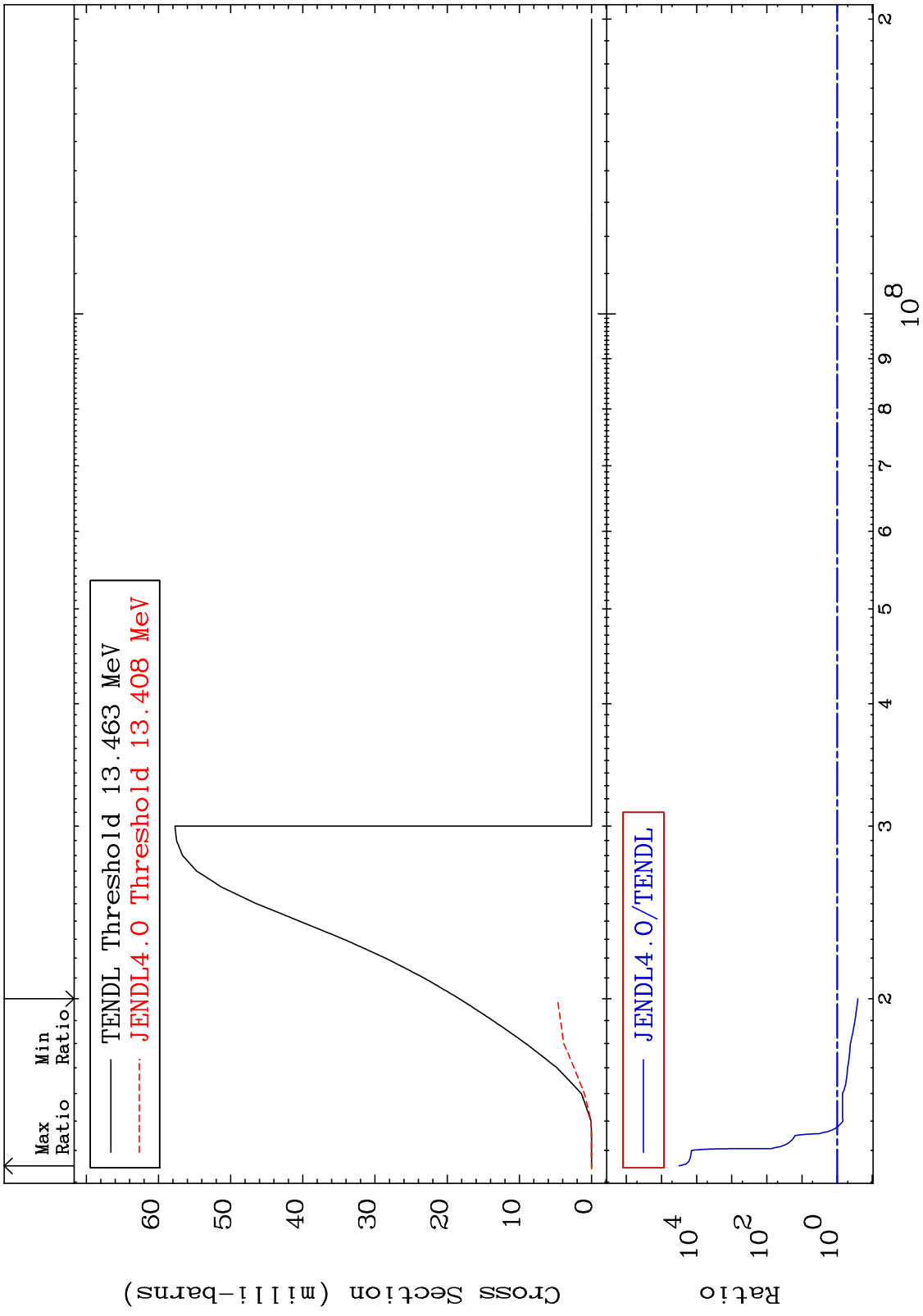


16-S -36 Incident Energy (eV)

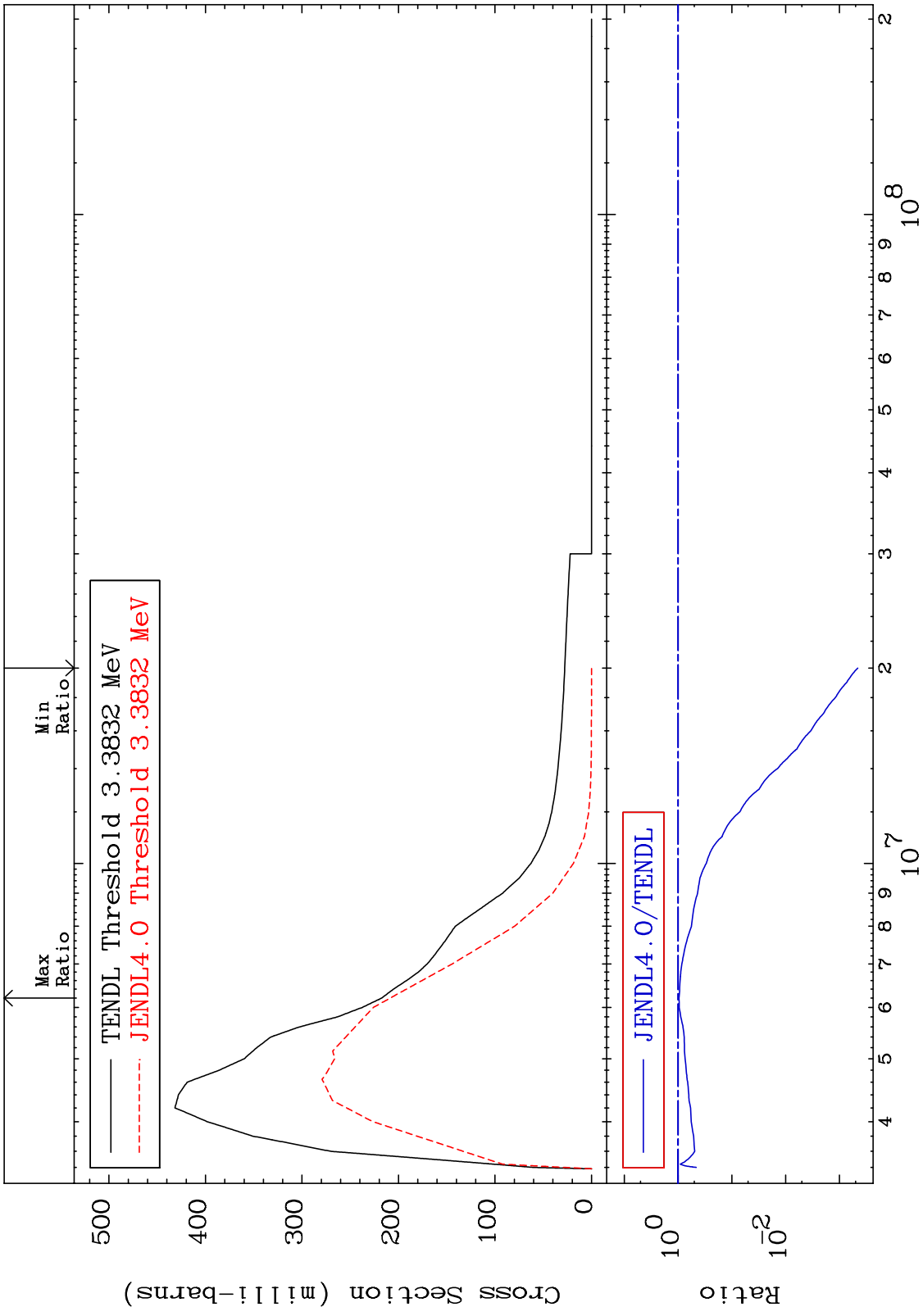
MAT 1637  $(n, n') \alpha$  16-S -36  
 Cross Section -25.57 To 9999. %



16-S -36



MAT 1637 MT= 51 (n,n') Level Cross Section 16-S -36  
 -99.95 To -4.070%



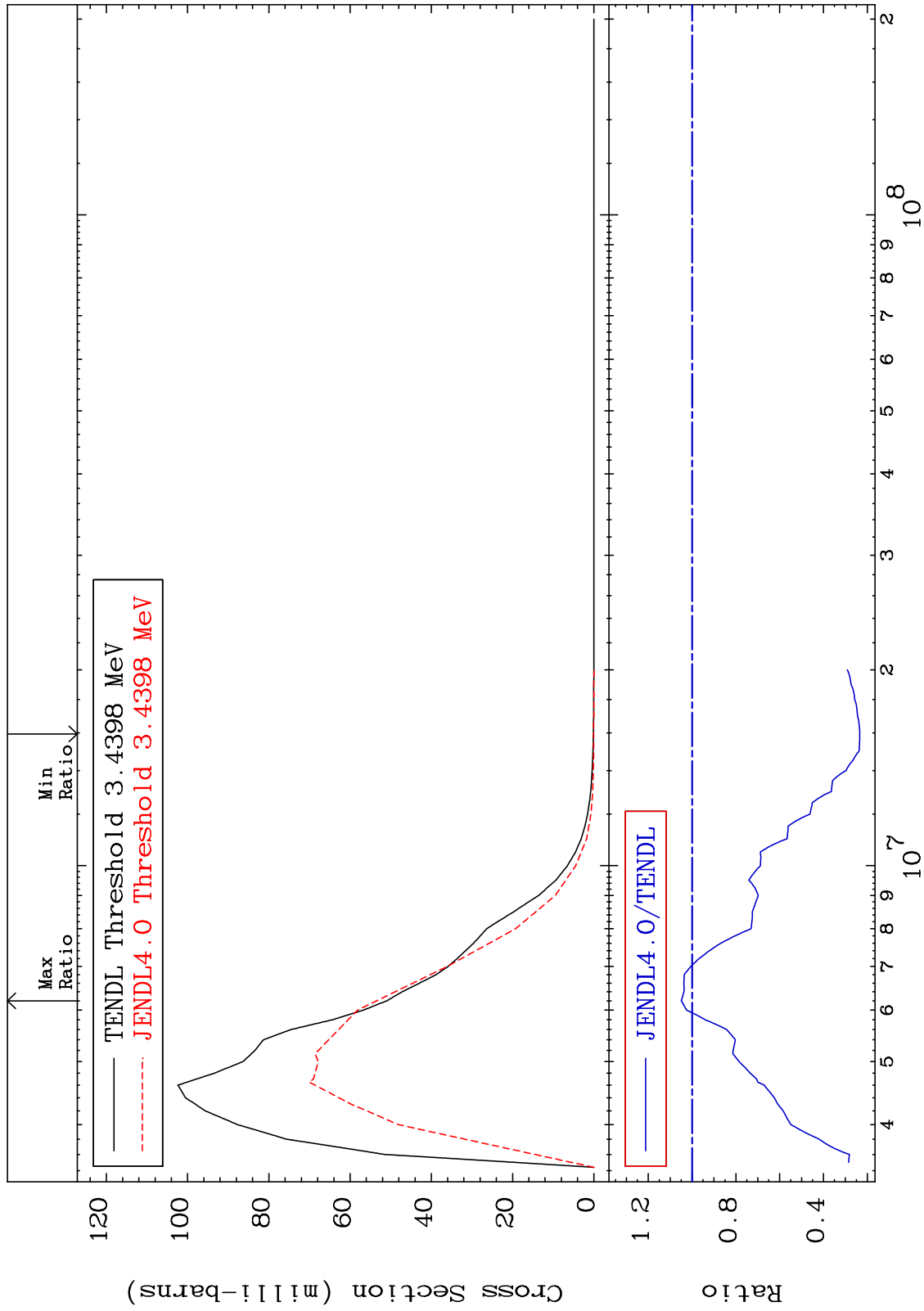
7 16-S -36



MAT 1637

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

16-S -36  
-76.57 To 4.958 %

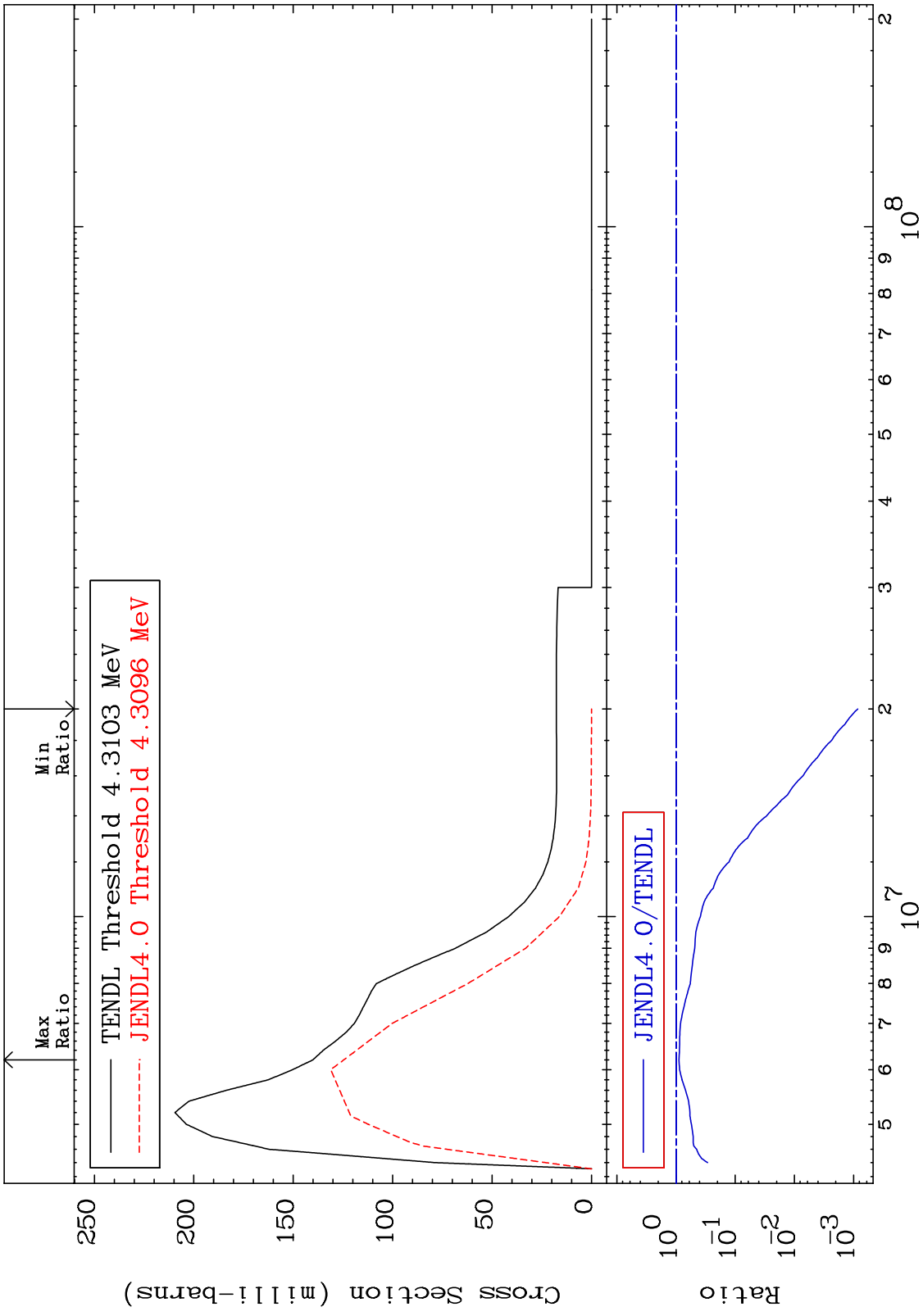


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Incident Energy (eV)

16-S -36

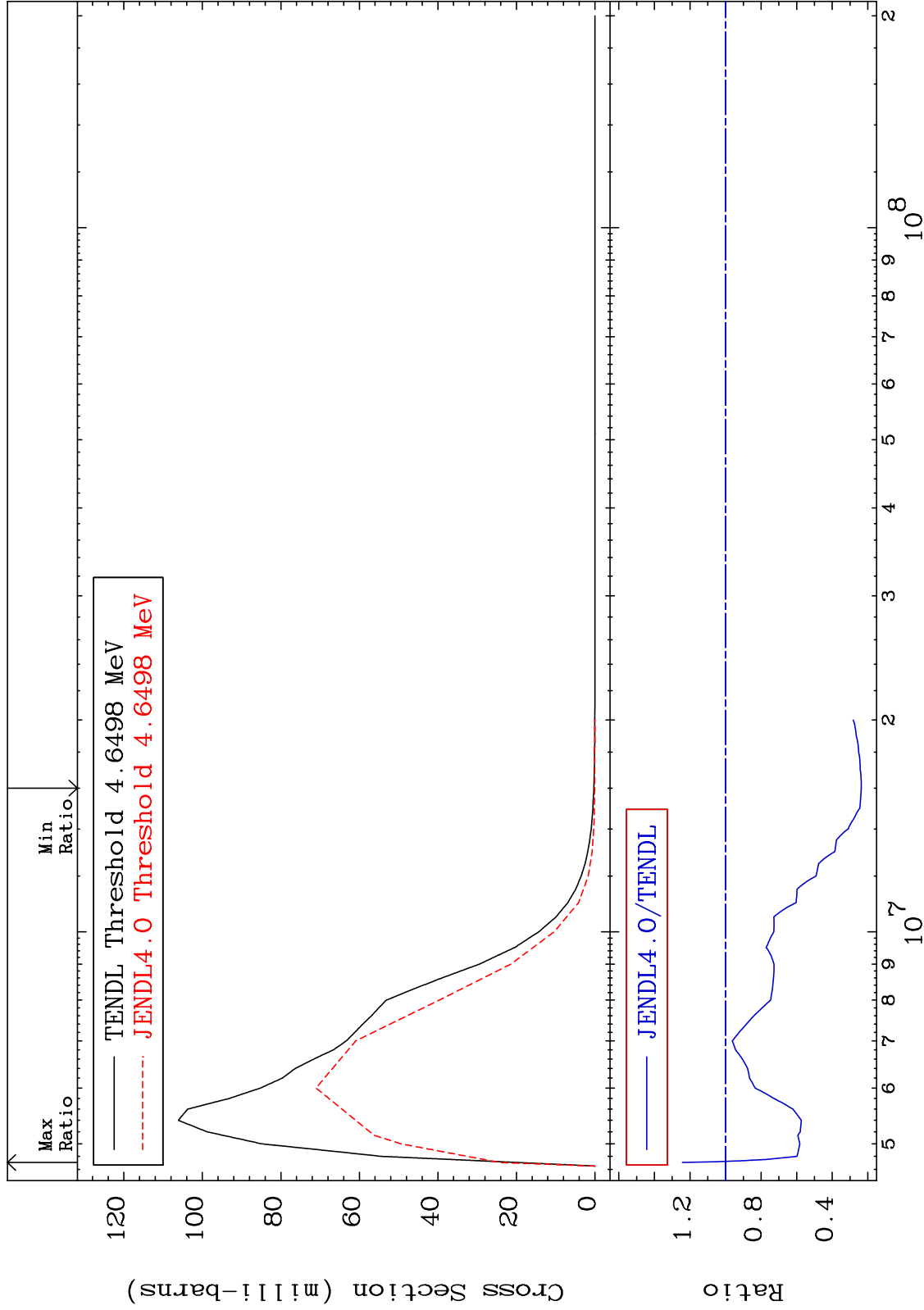
MAT 1637 MT= 53 (n,n') Level Cross Section 16-S -36  
 -99.92 To -11.07%



MAT 1637

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

16-S -36  
-76.33 To 24.21 %



10

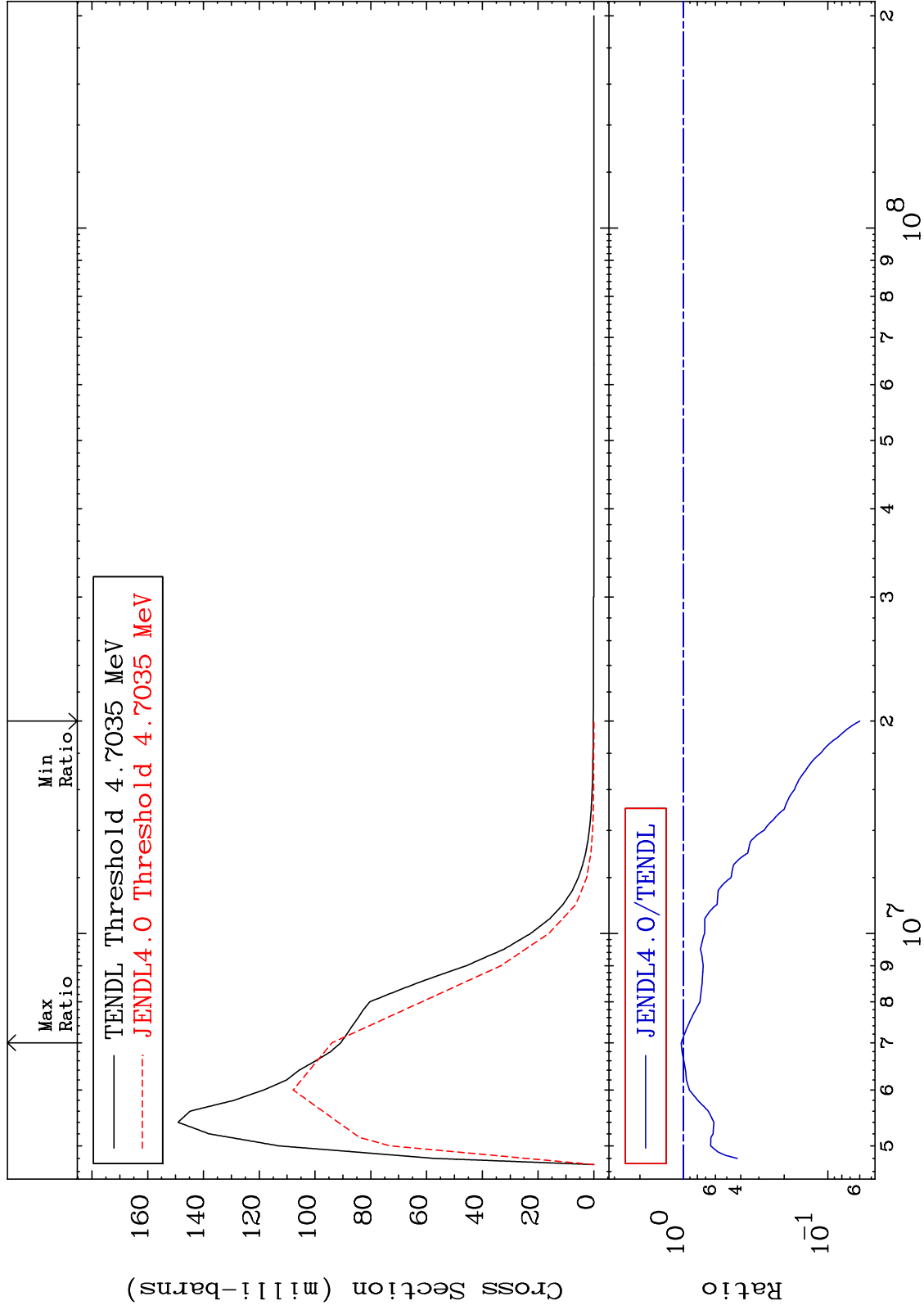
Incident Energy (eV)

16-S -36

MAT 1637

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

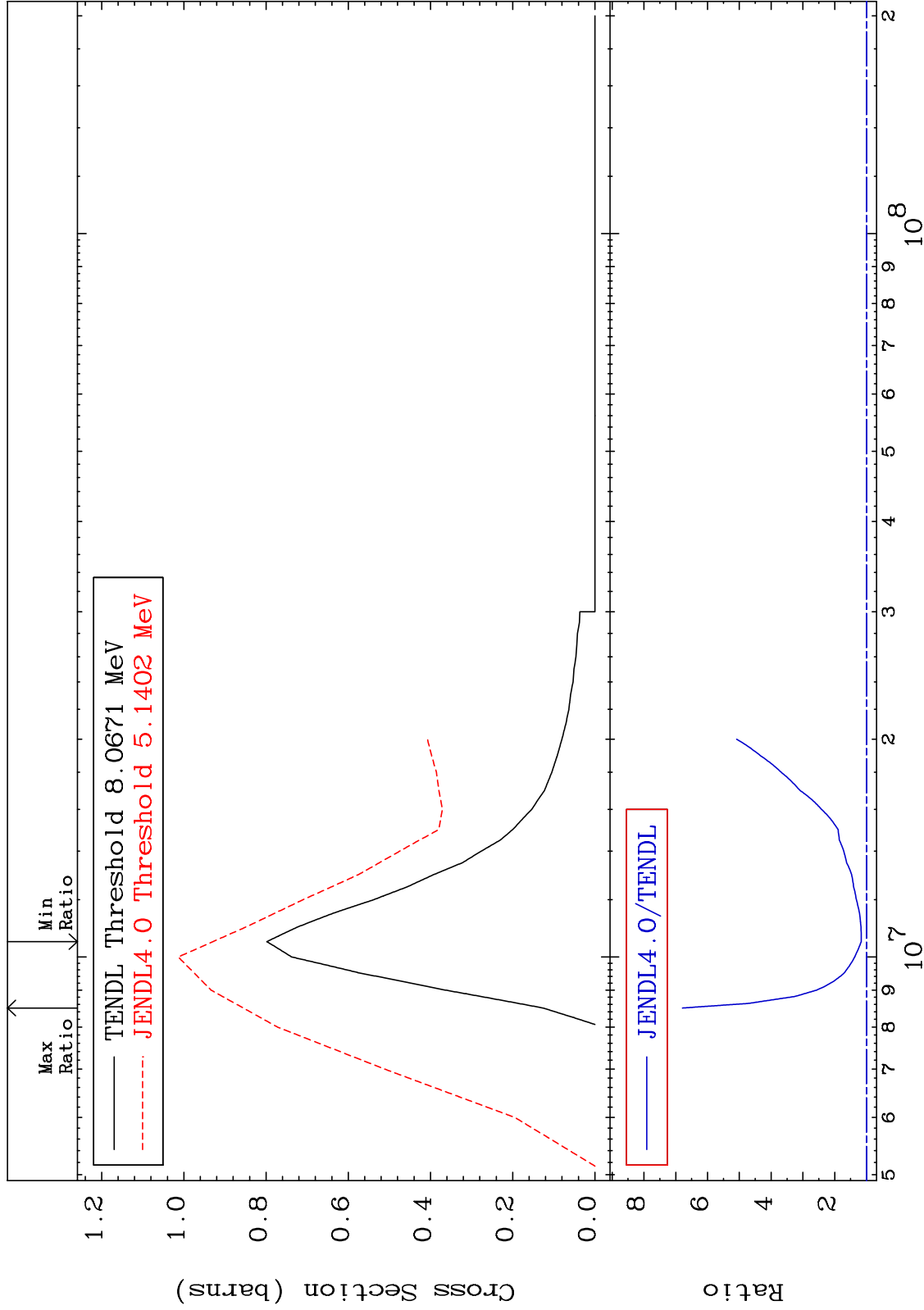
16-S -36  
-93.99 To 3.421 %



MAT 1637

(n,n') Continuum  
Cross Section

16-S -36  
16.45 To 578.8 %

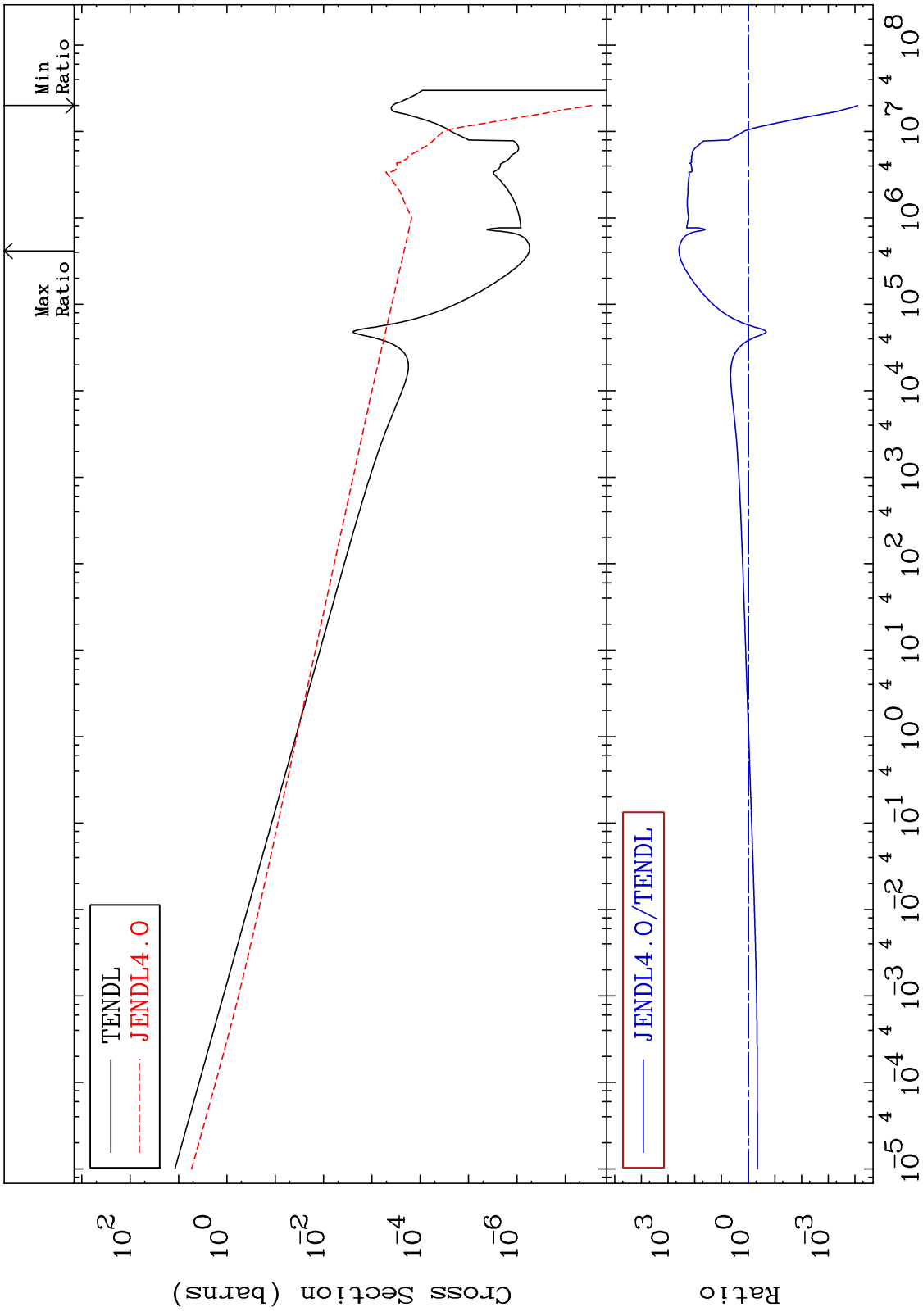


12

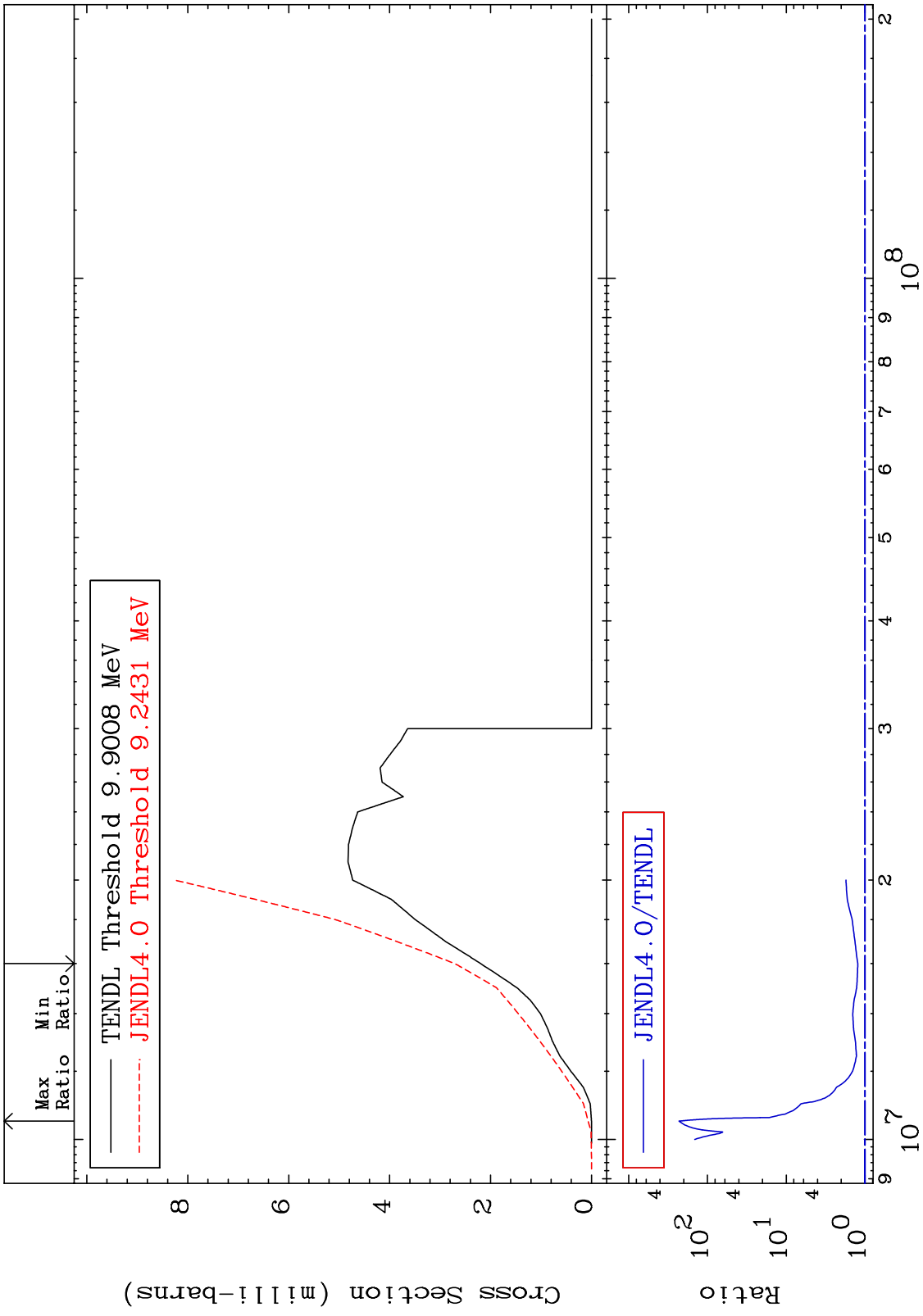
Incident Energy (eV)

16-S -36

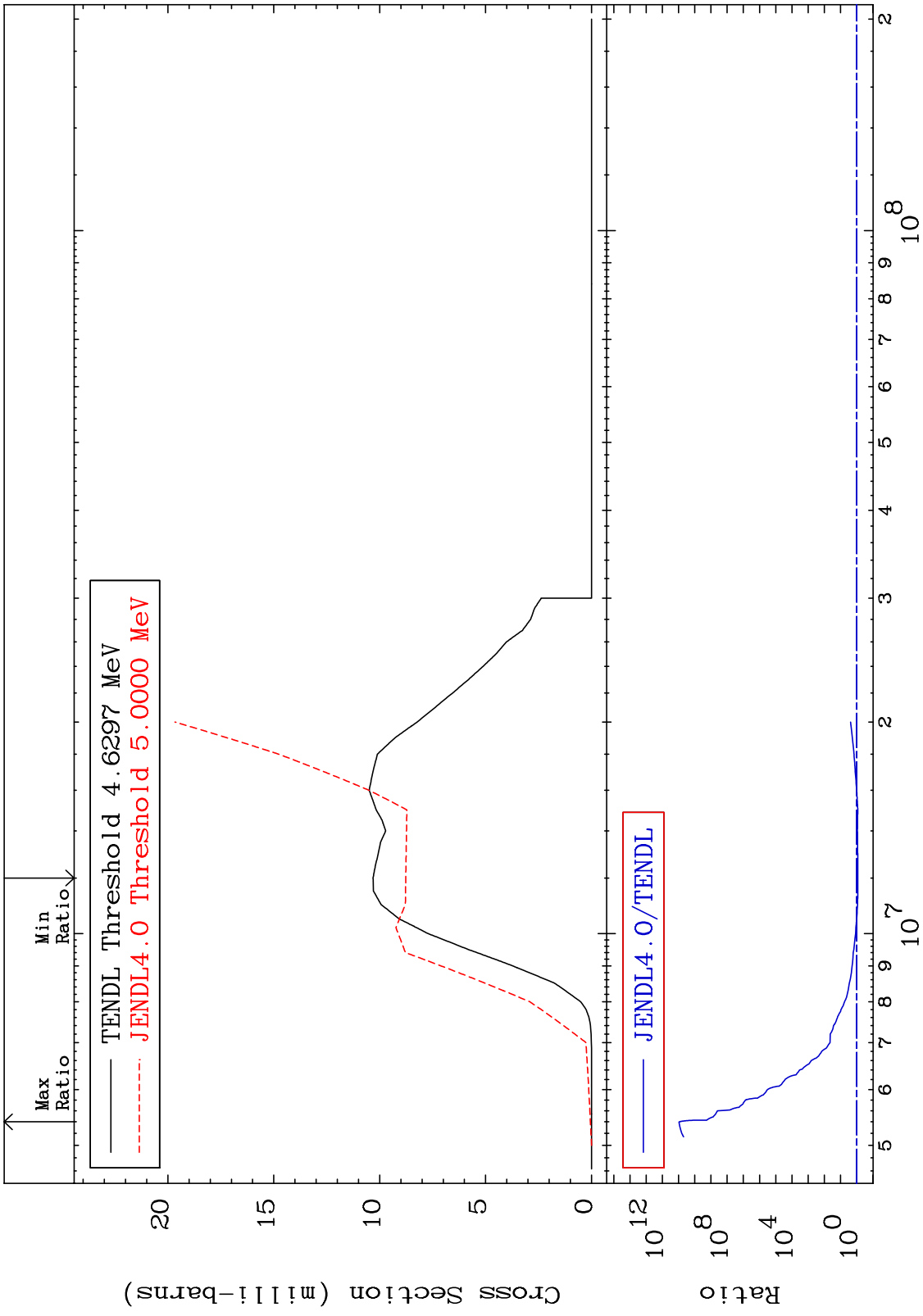
MAT 1637 (n,γ) Cross Section 16-S -36  
-99.99 To 9999. %



13 16-S -36



MAT 1637 (n,α) 16-S -36  
 Cross Section -14.98 To 9999. %

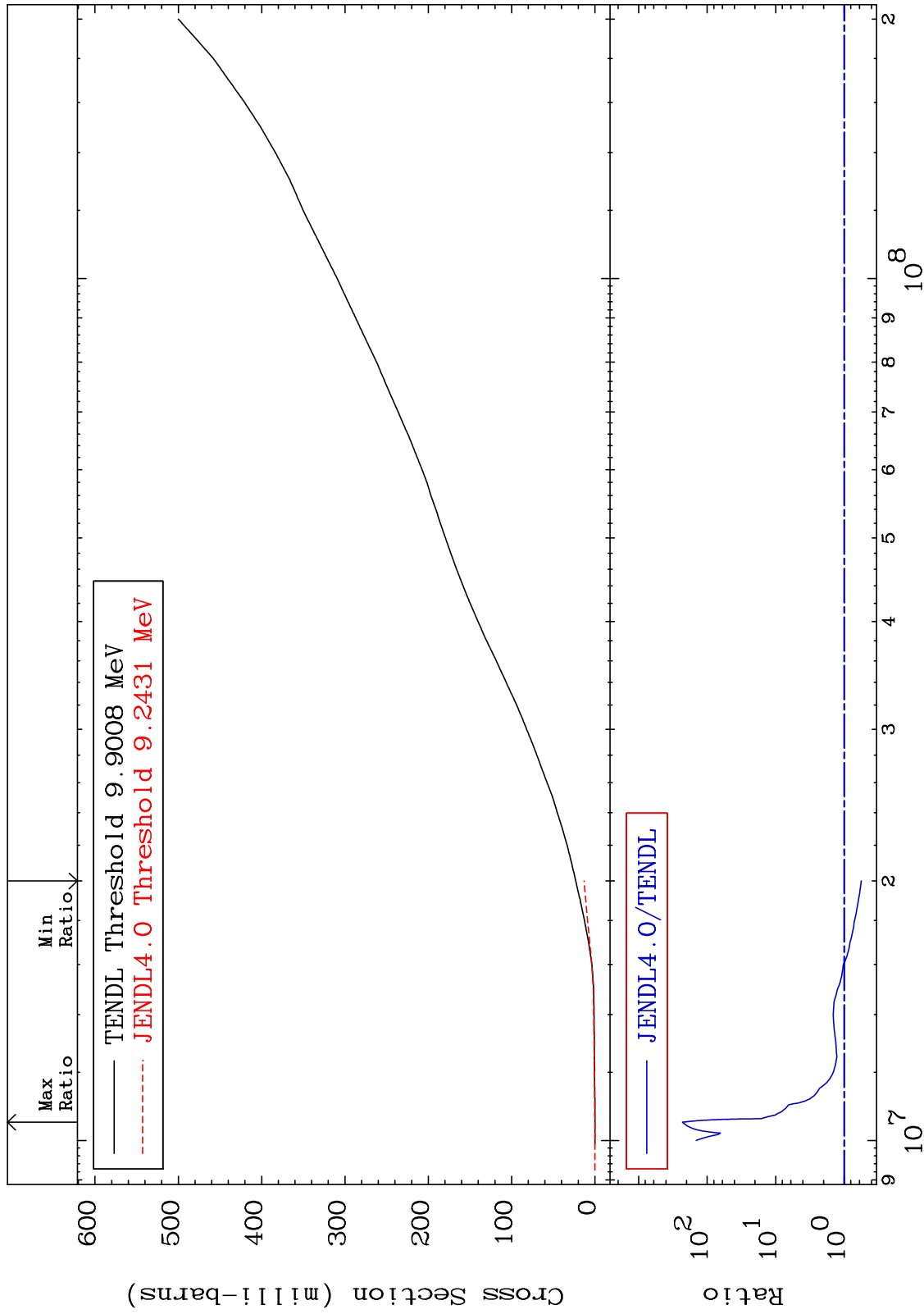




MAT 1637

Hydrogen Production  
Cross Section

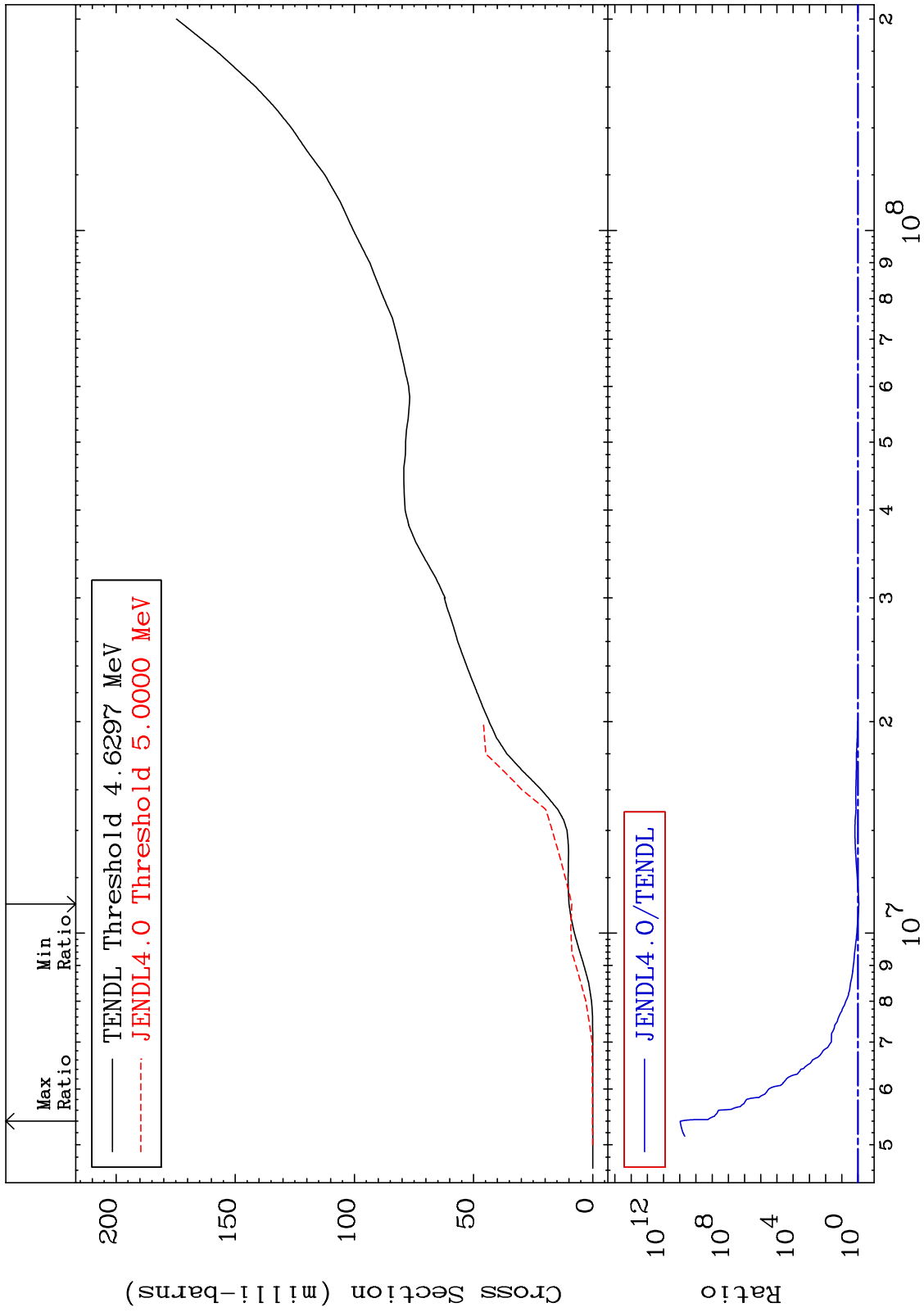
16-S -36  
-43.68 To 9999. %



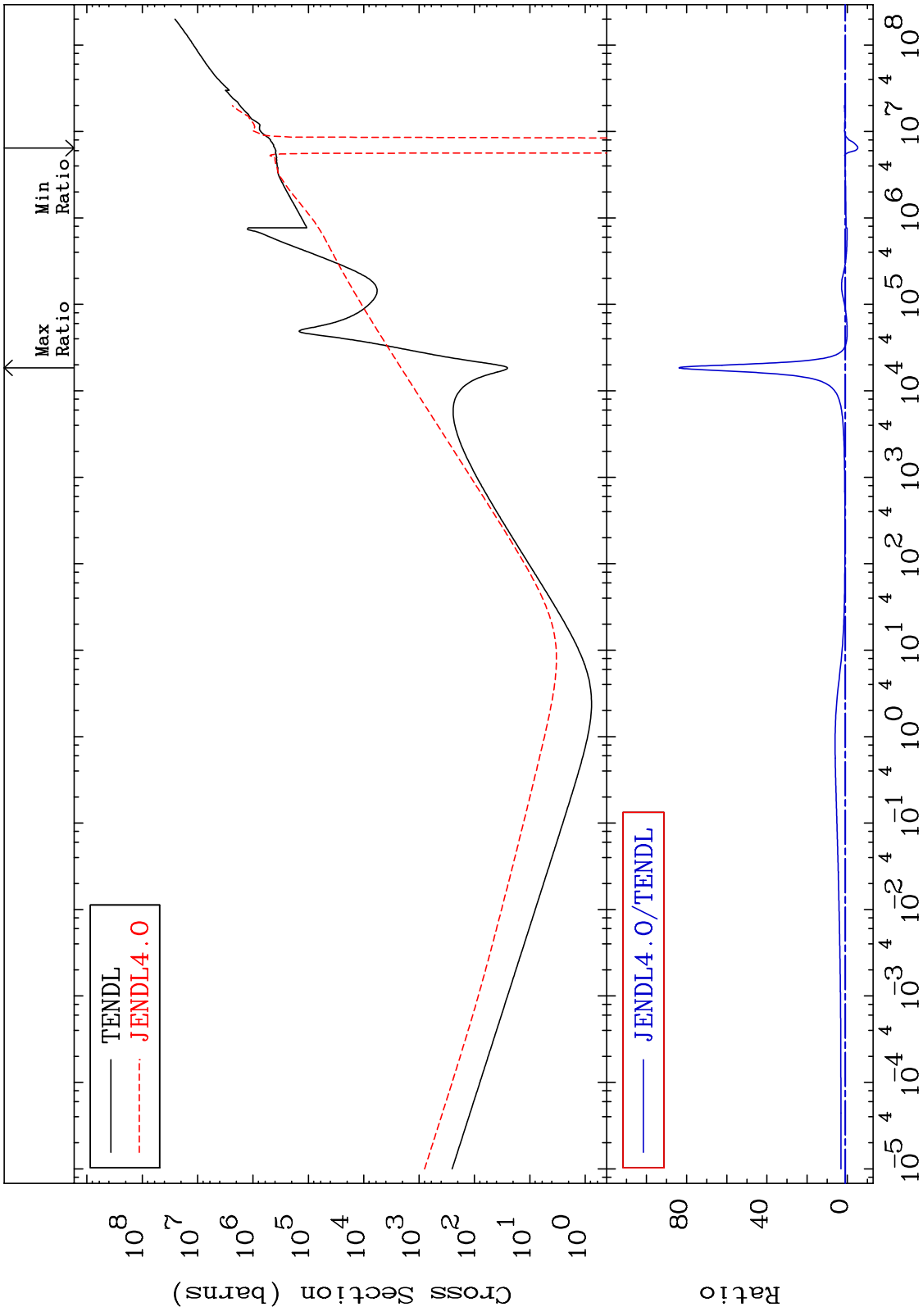
16

Incident Energy (eV)

16-S -36



MAT 1637 16-S -36  
 Kerma total (eV-barns)  
 Cross Section -628.5 To 8278. %

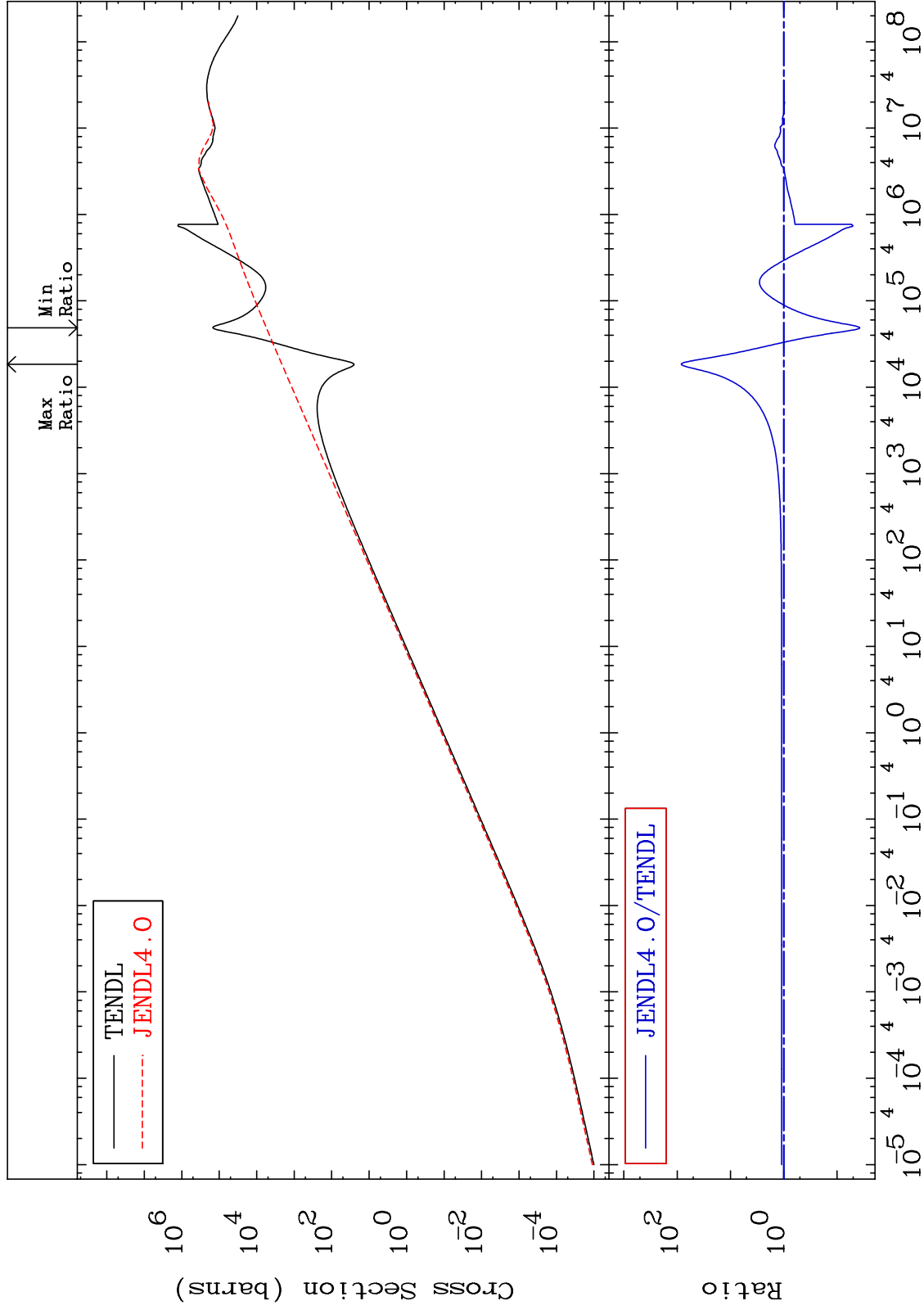


18 16-S -36

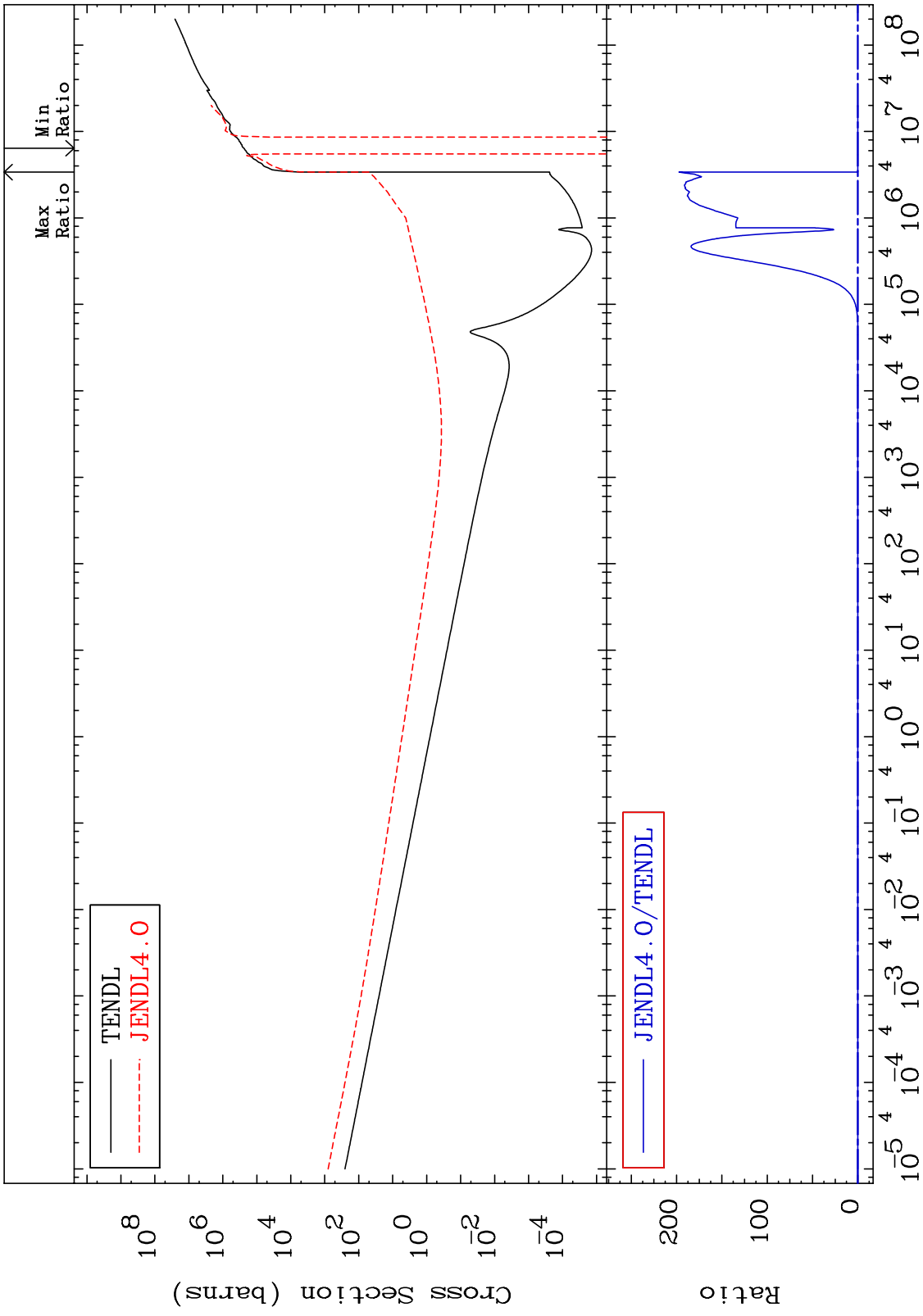
MAT 1637

Kerma elastic  
Cross Section

16-S -36  
-96.25 To 8278. %



MAT 1637      Kerma non-elastic (all but mt2)      16-S -36  
 Cross Section      -1087. To 9999. %

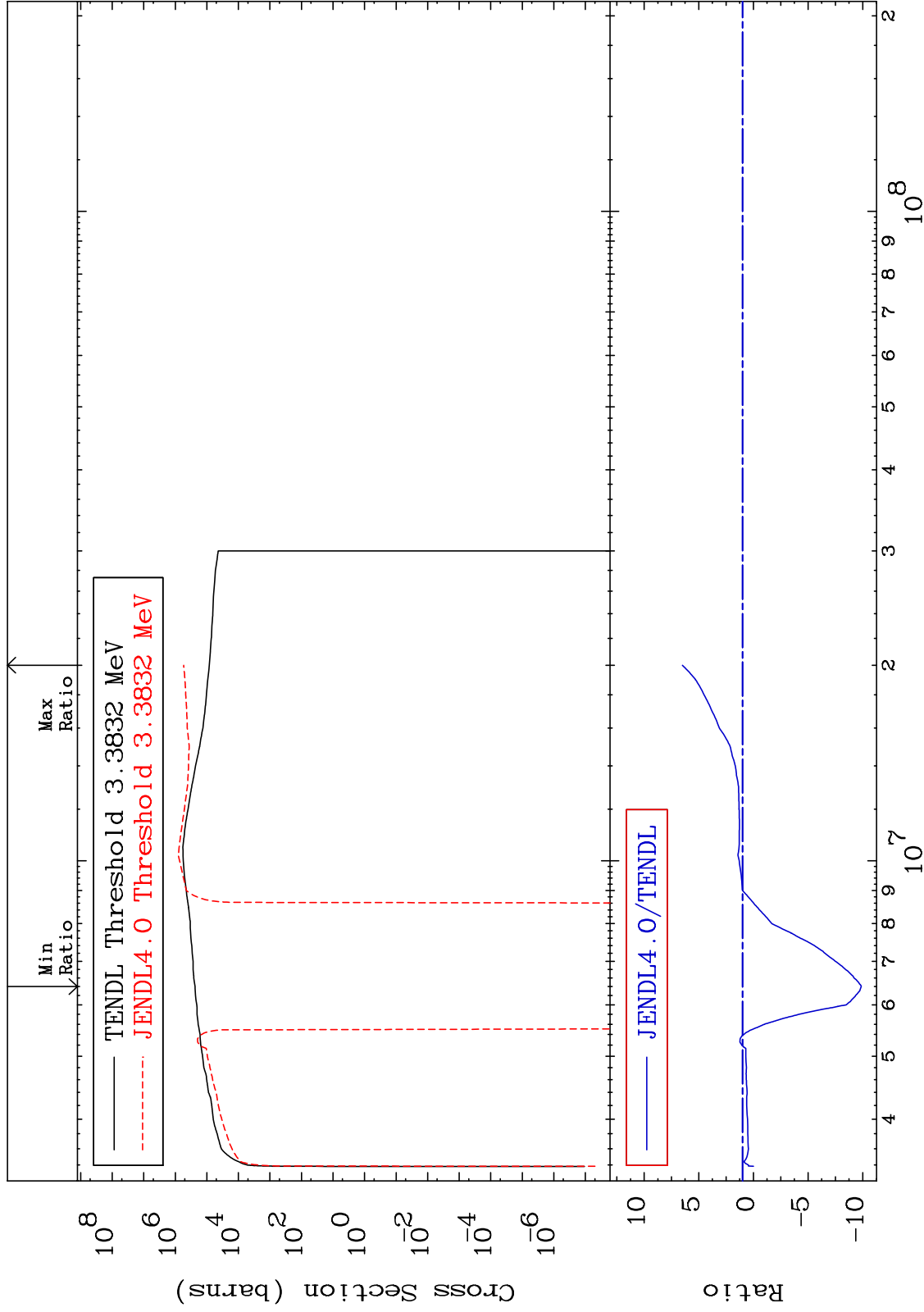


20      Incident Energy (eV)      16-S -36

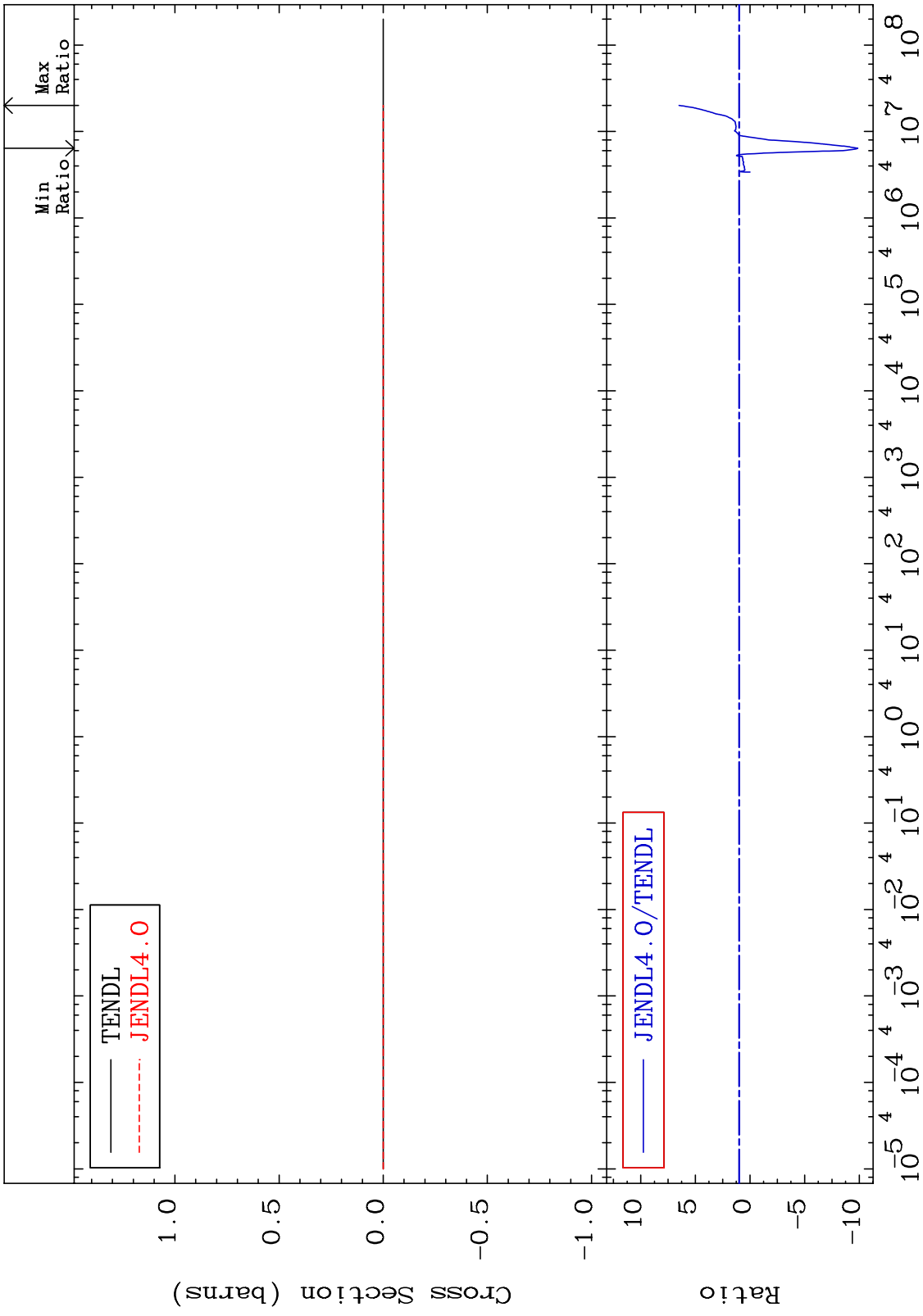
MAT 1637

Kerma inelastic (mt51-91)  
Cross Section

16-S -36  
-1087. To 549.3 %



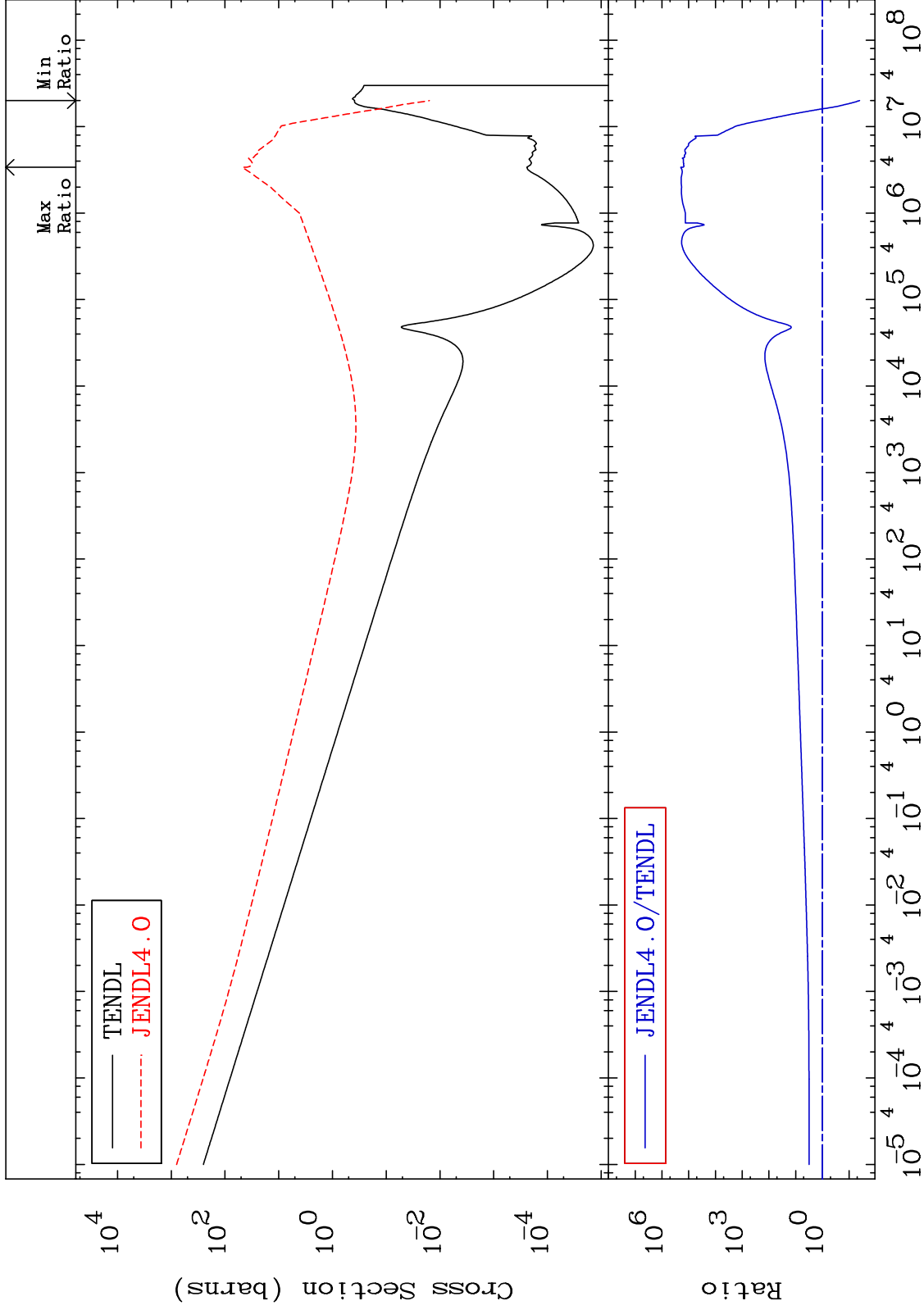
MAT 1637 Kerma fission (mt18 or mt19-20-21-38) 16-S -36  
 Cross Section -1087. To 549.3 %



MAT 1637

Kerma capture (mt102)  
Cross Section

16-S -36  
-95.95 To 9999. %

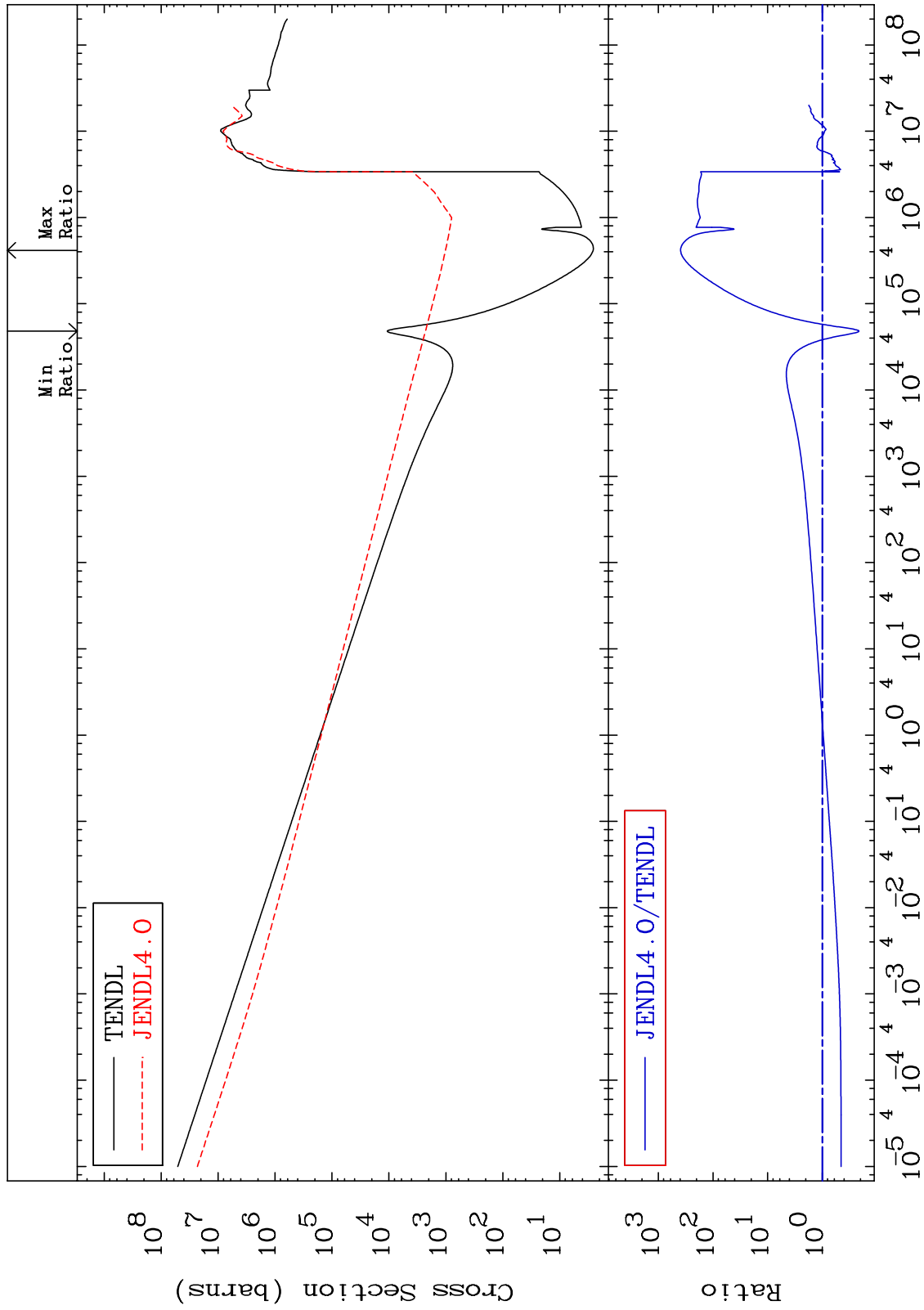




MAT 1637

Total photon (eV-barns)  
Cross Section

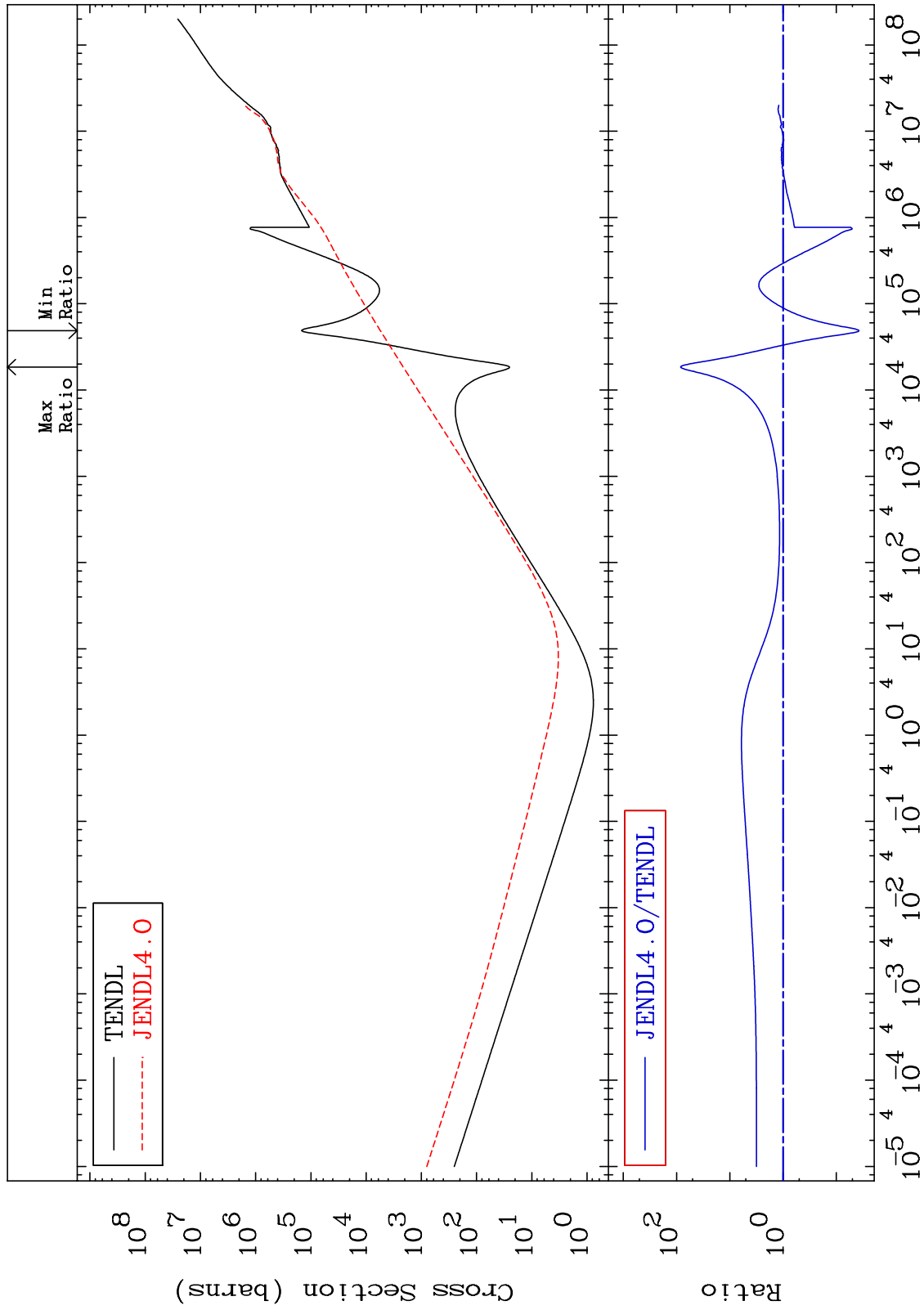
16-S -36  
-78.70 To 9999. %



MAT 1637

Total kinematic kerma (high limit)  
Cross Section

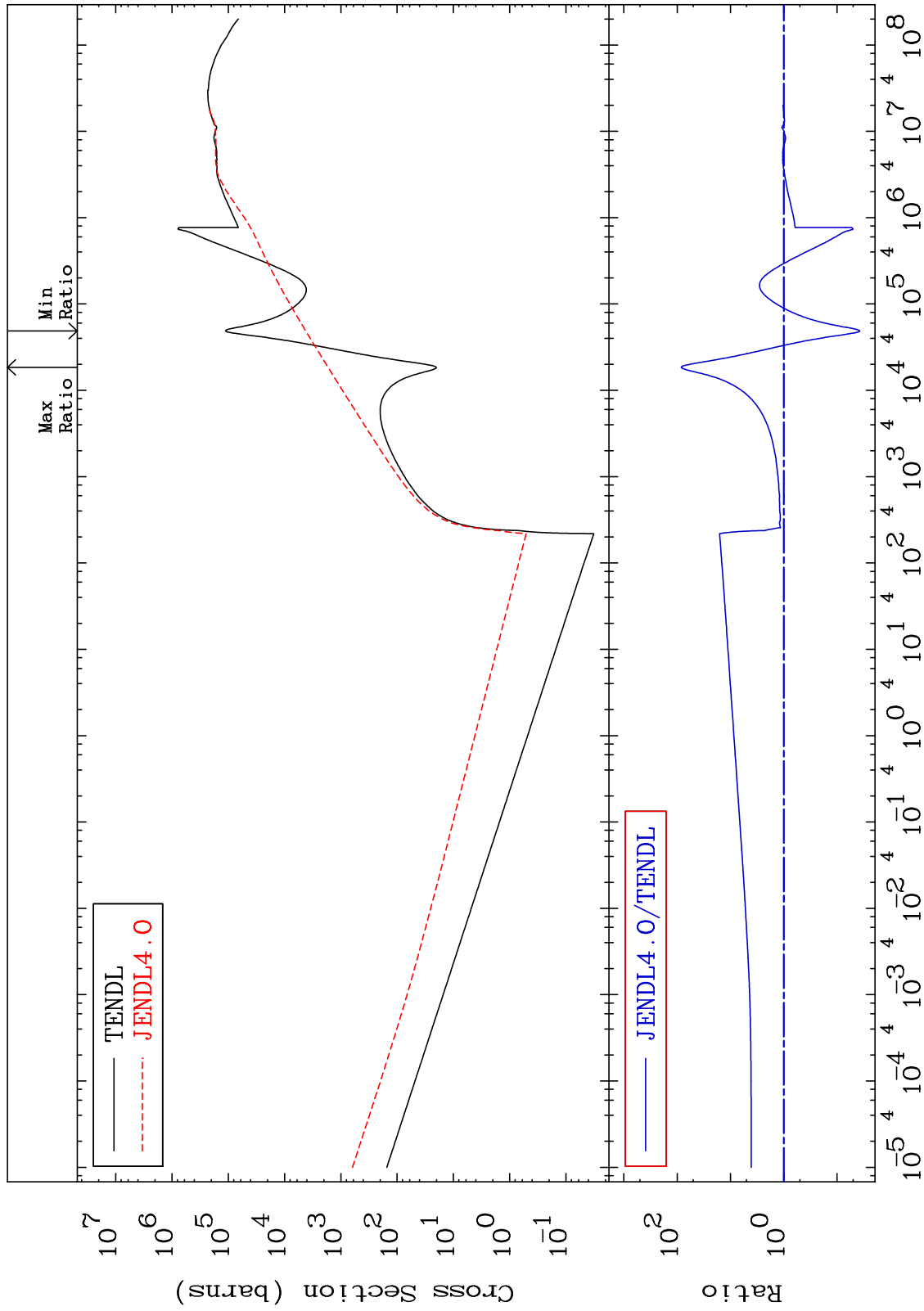
16-S -36  
-96.25 To 8278. %



MAT 1637

Dpa total (eV-barns)  
Cross Section

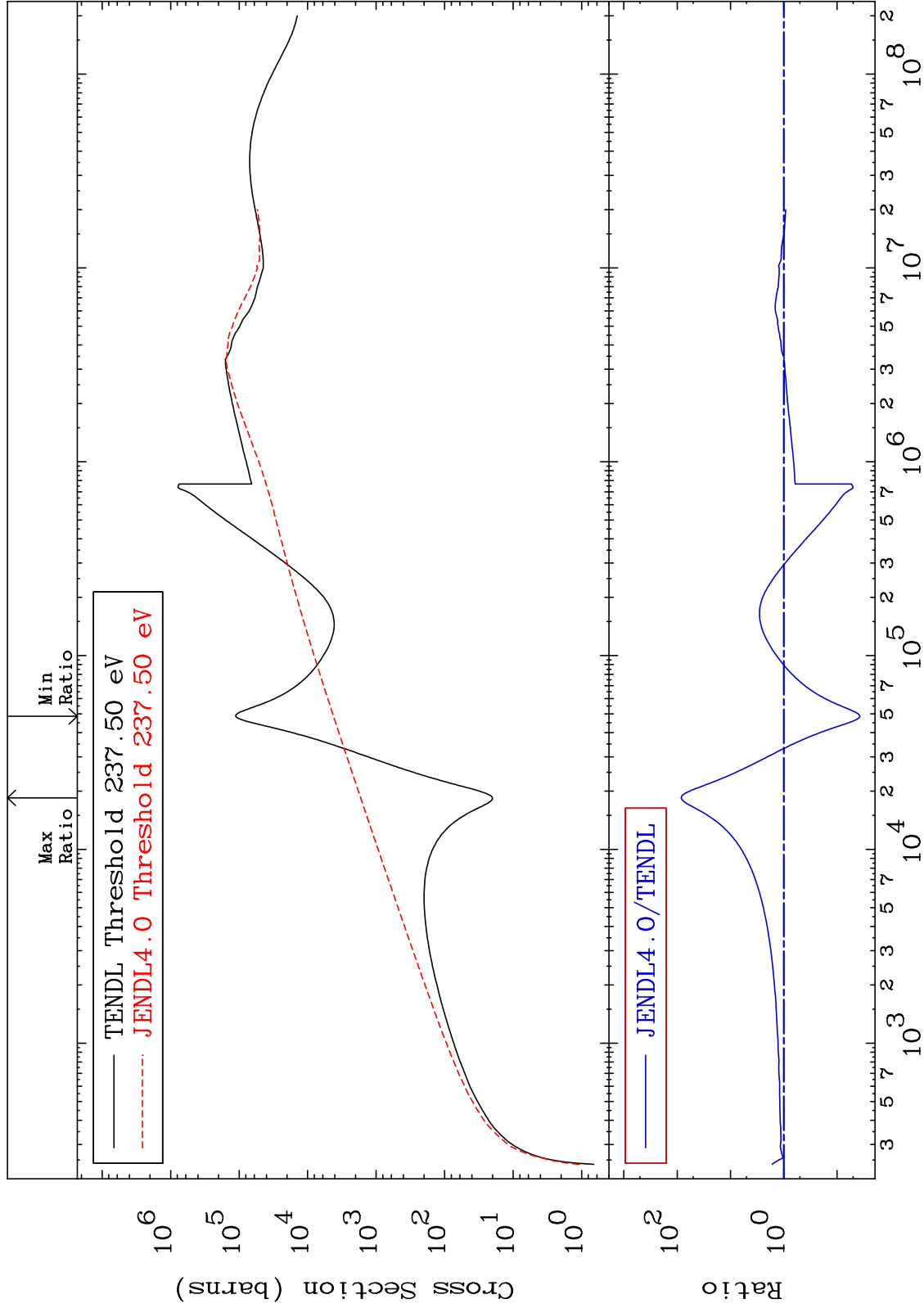
16-S -36  
-96.25 To 8278. %



MAT 1637

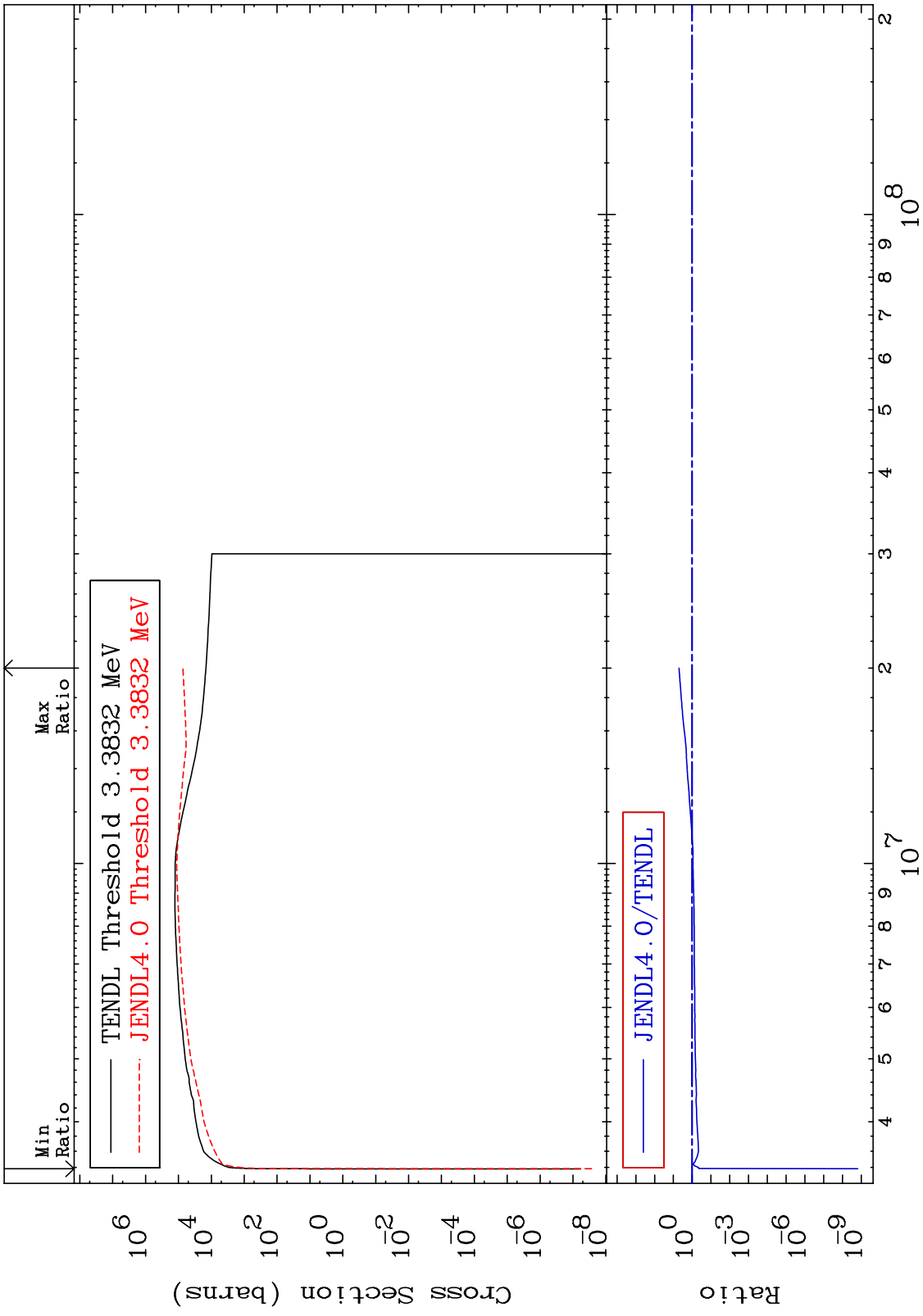
Dpa elastic (mt2)  
Cross Section

16-S -36  
-96.25 To 8278. %



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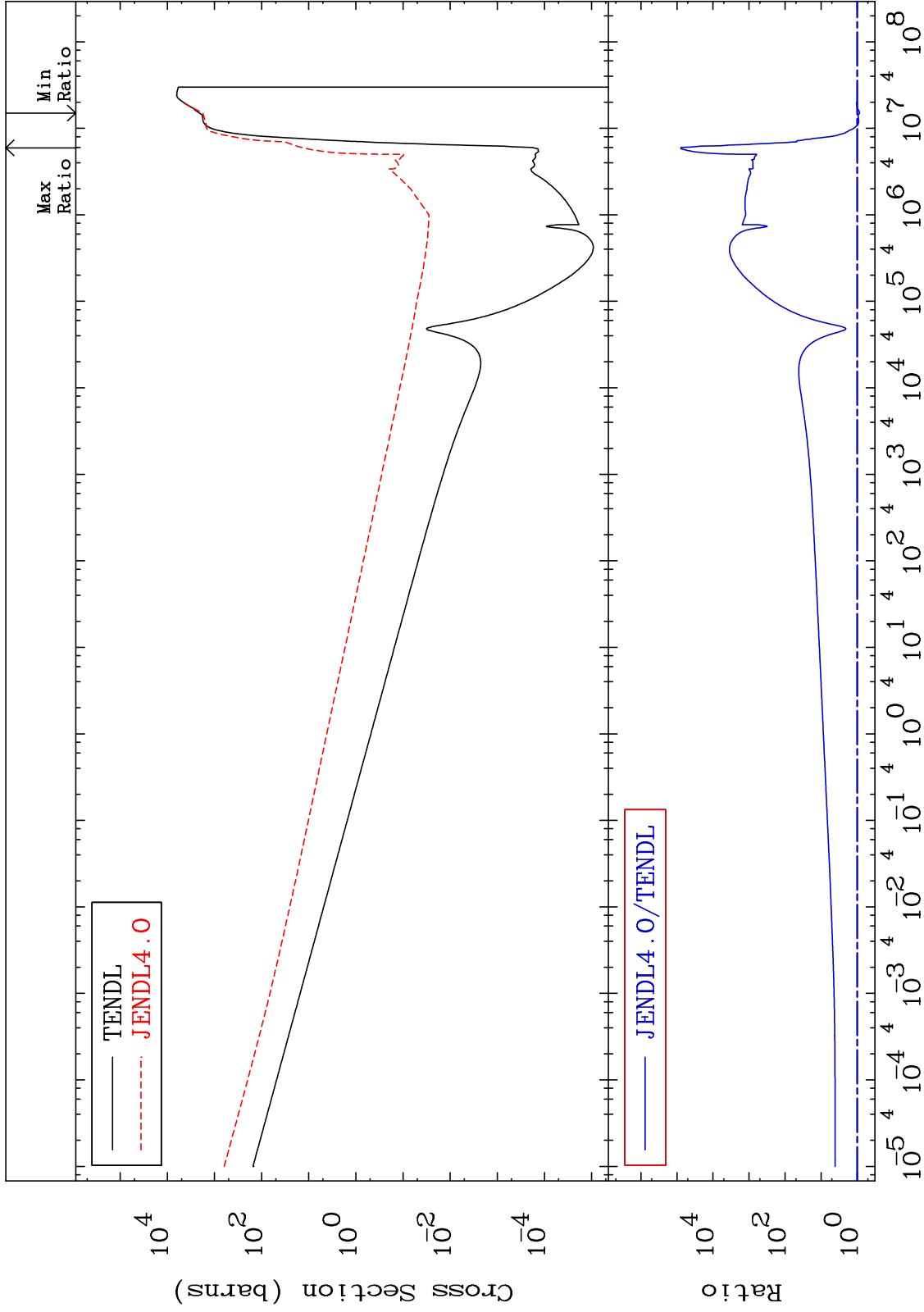
16-S -36



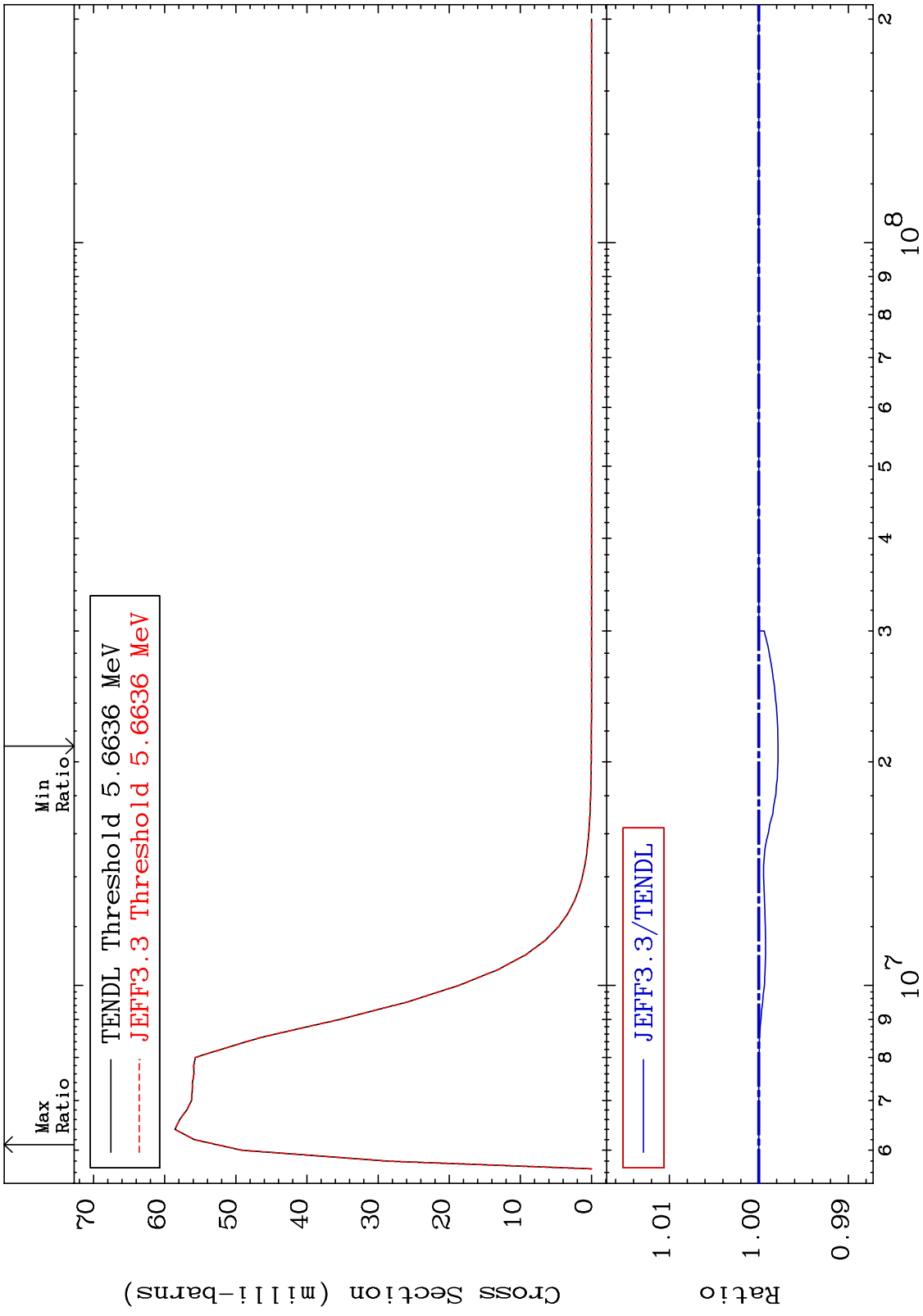
MAT 1637

Dpa disappearance (mt102 -120)  
Cross Section

16-S -36  
-14.93 To 9999. %

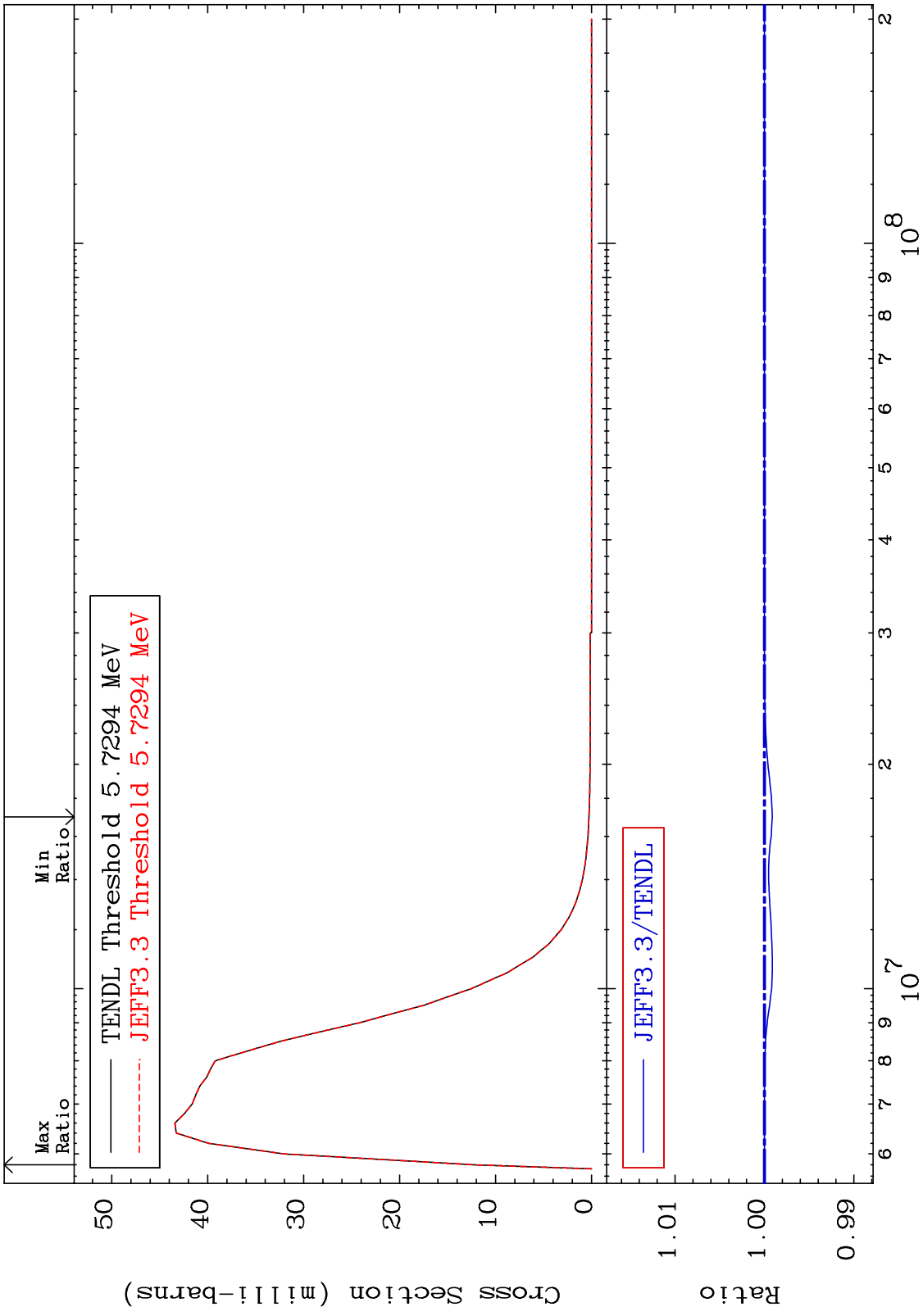


MAT 1637 MT= 62 (n,n') Level Cross Section 16-S -36  
 -0.216 To 0.000 %



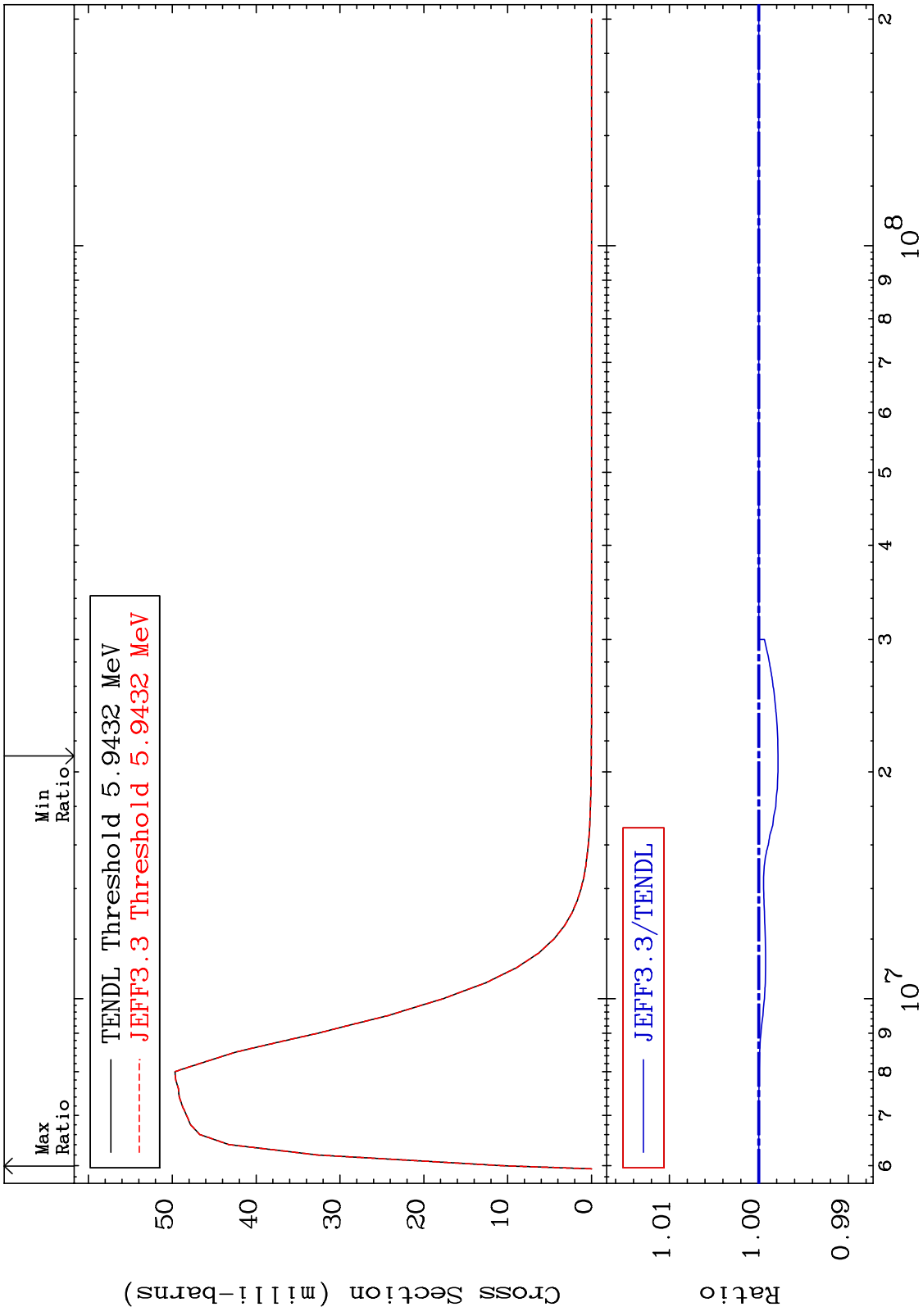
30 16-S -36

MAT 1637 MT= 63 (n,n') Level Cross Section 16-S -36  
 -0.088 To 0.000 %

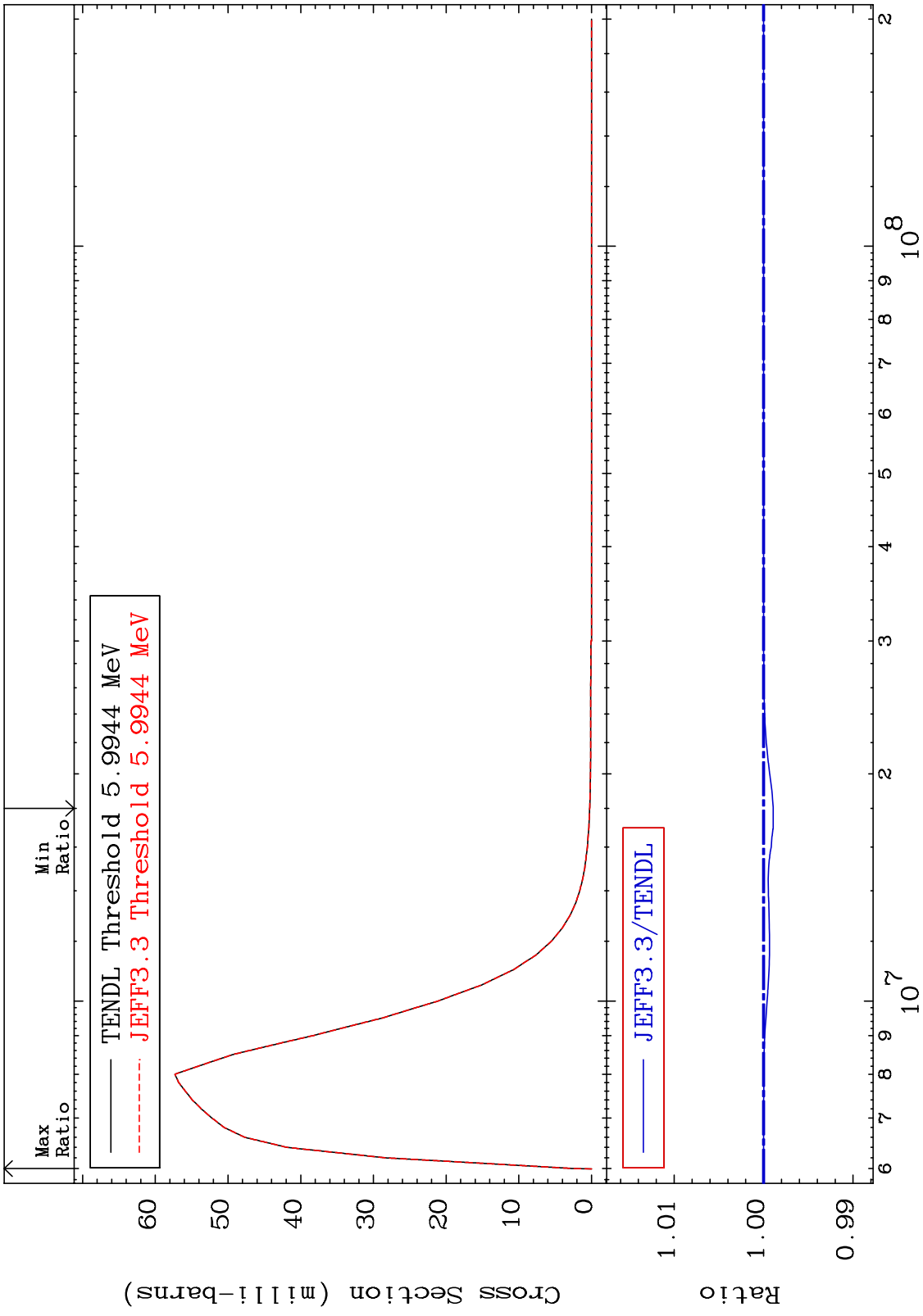




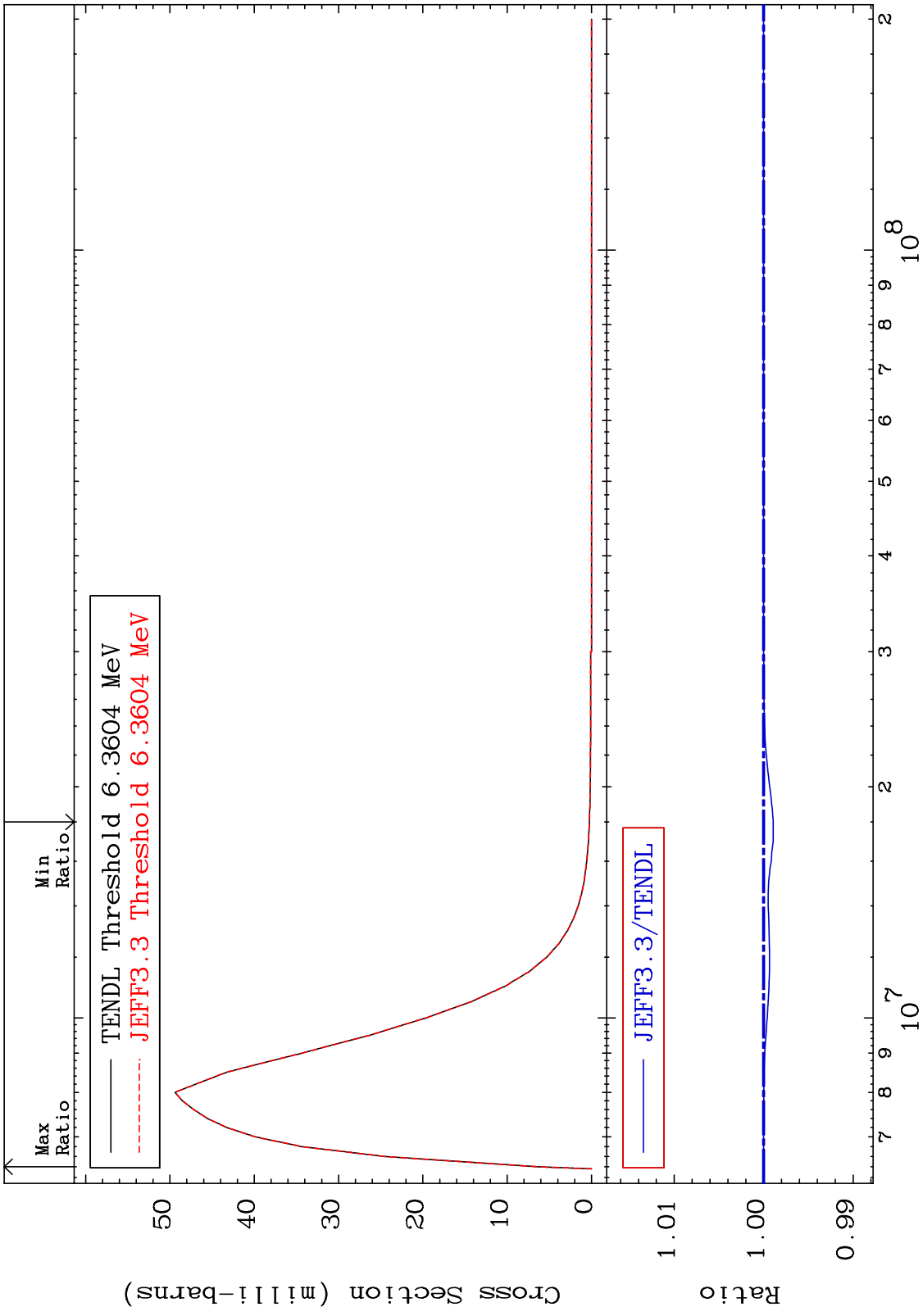
MAT 1637 MT= 64 (n,n') Level Cross Section 16-S -36  
 -0.216 To 0.000 %



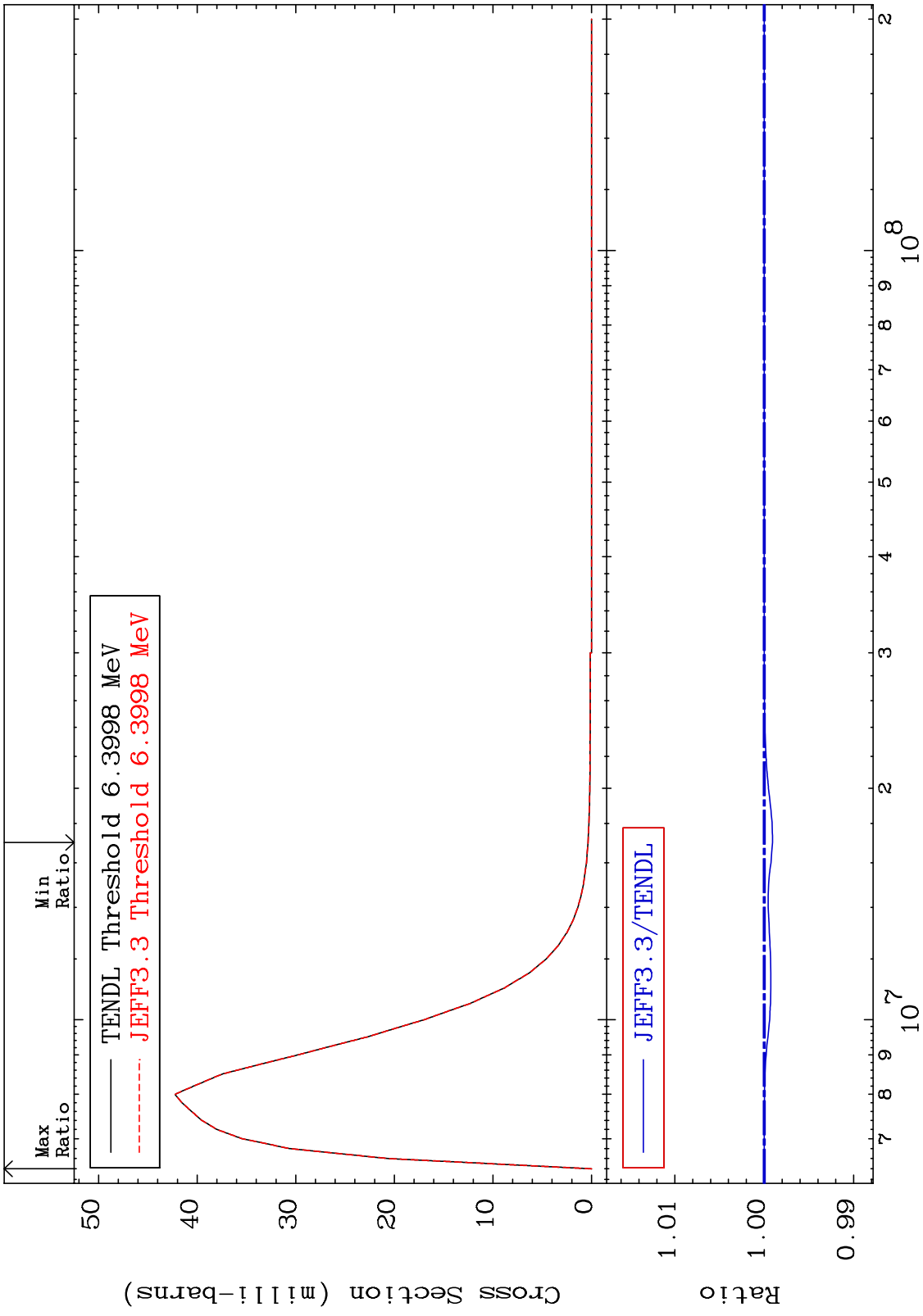
MAT 1637 MT= 65 (n,n') Level Cross Section 16-S -36  
 -0.107 To 0.000 %



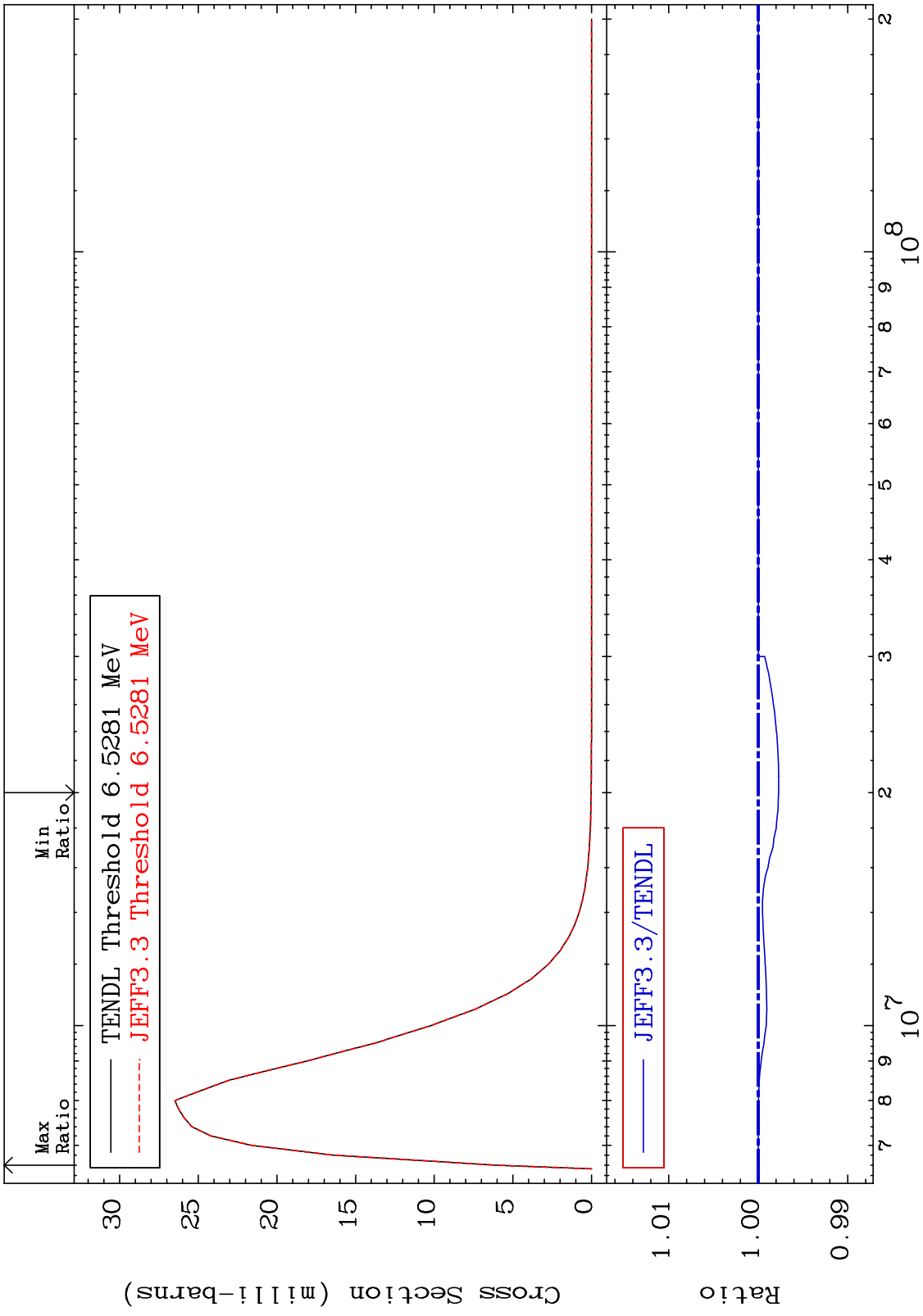
MAT 1637 MT= 66 (n,n') Level Cross Section 16-S -36  
 -0.107 To 0.000 %



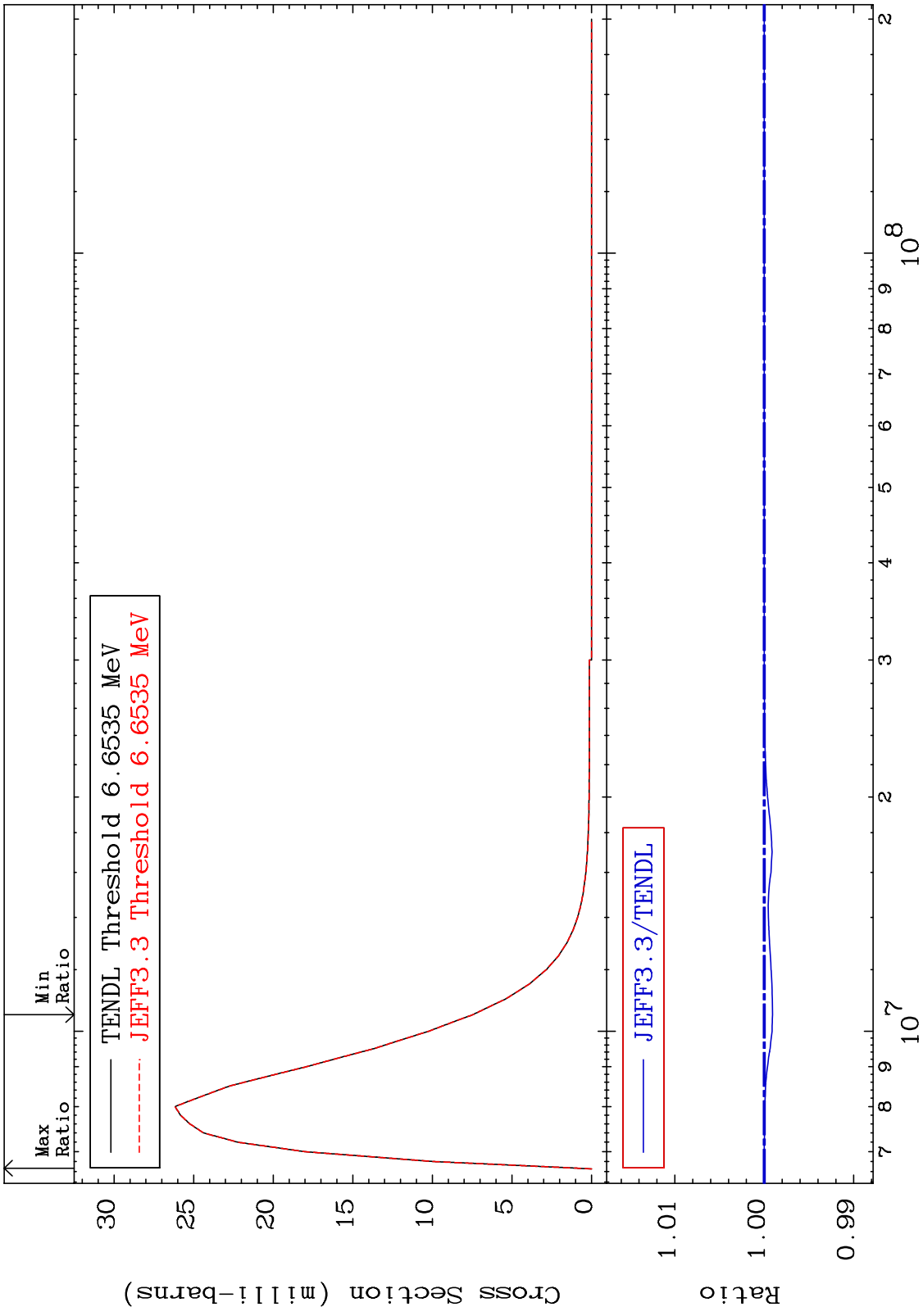
MAT 1637 MT= 67 (n,n') Level Cross Section 16-S -36  
 -0.094 To 0.000 %



MAT 1637 MT= 68 (n,n') Level Cross Section 16-S -36  
 -0.228 To 0.000 %



MAT 1637 MT= 69 (n,n') Level Cross Section 16-S -36  
 -0.093 To 0.000 %

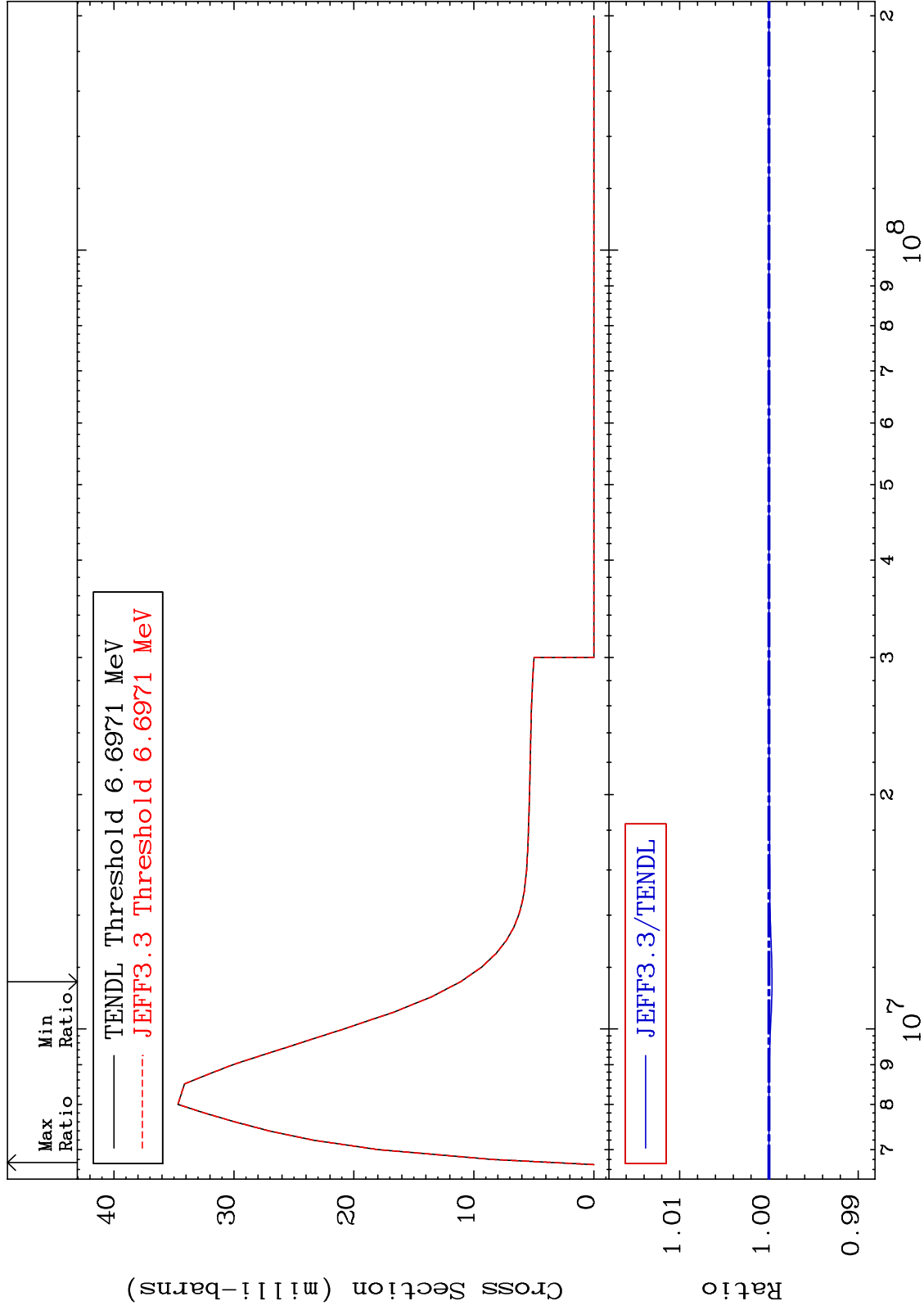


37 16-S -36

MAT 1637

MT= 70 (n,n') Level  
Cross Section

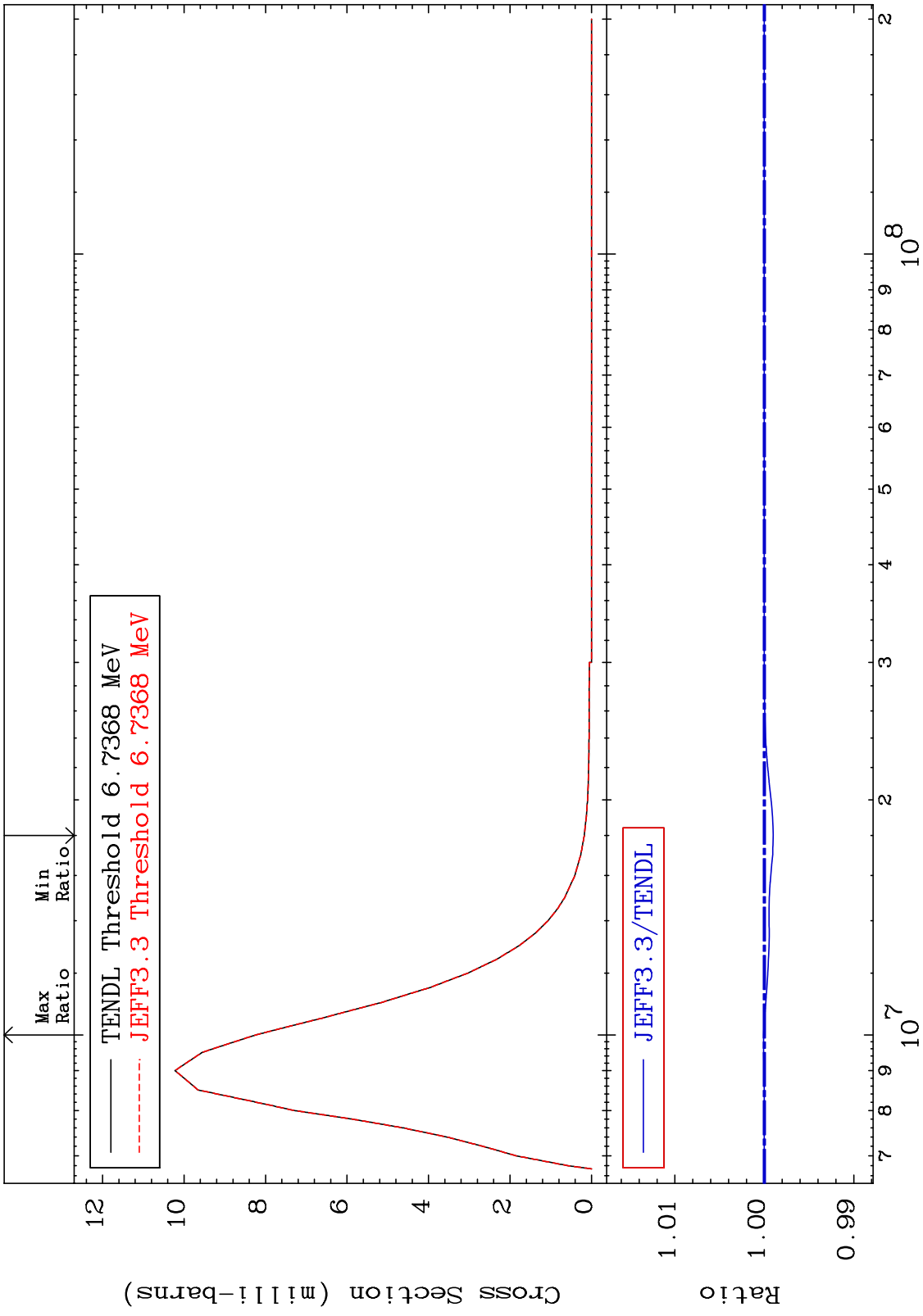
16-S -36  
-0.034 To 0.000 %



38

16-S -36

MAT 1637 MT= 71 (n,n') Level Cross Section 16-S -36  
 -0.099 To 0.008 %

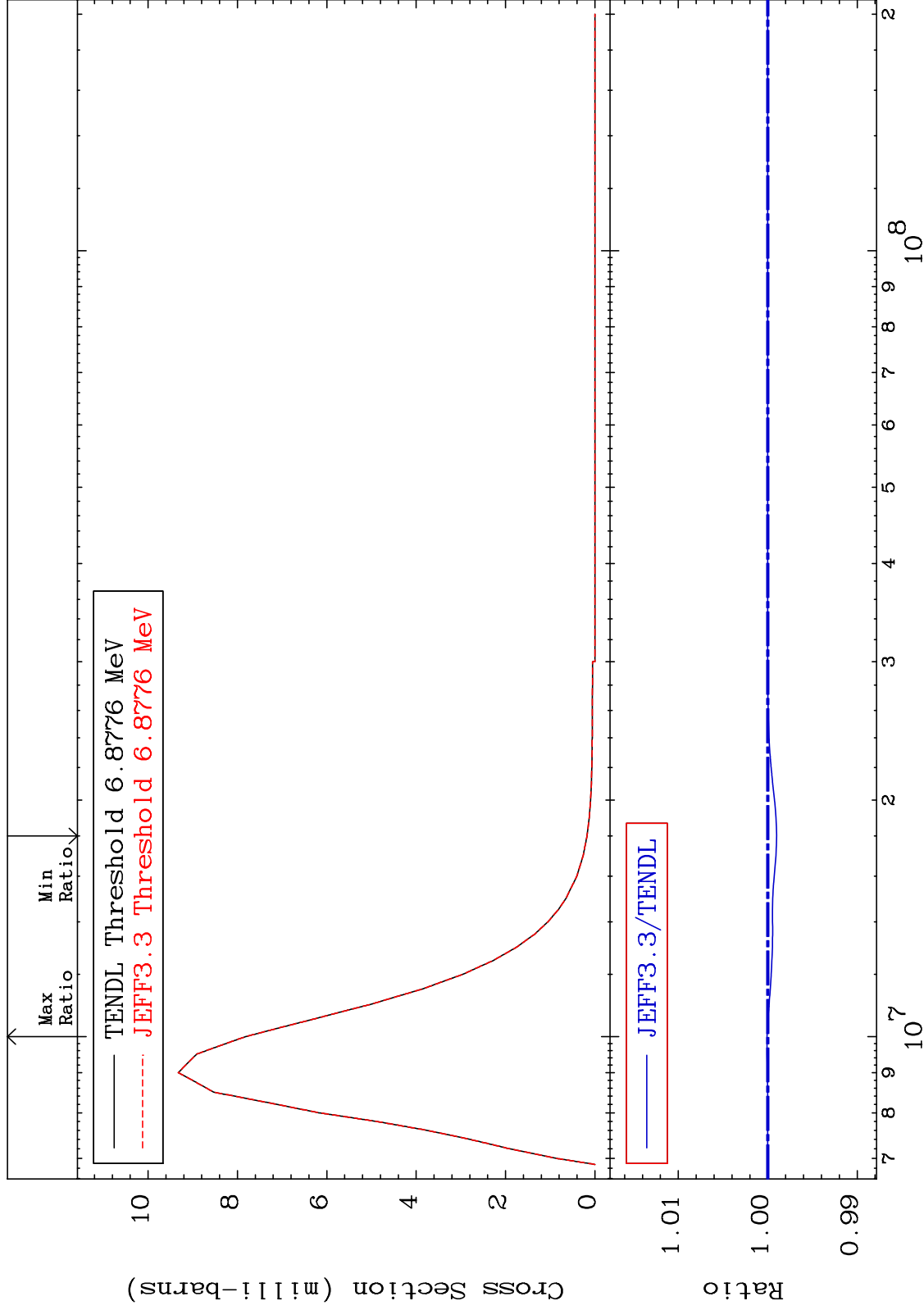




MAT 1637

MT= 72 (n,n') Level  
Cross Section

16-S -36  
-0.100 To 0.008 %

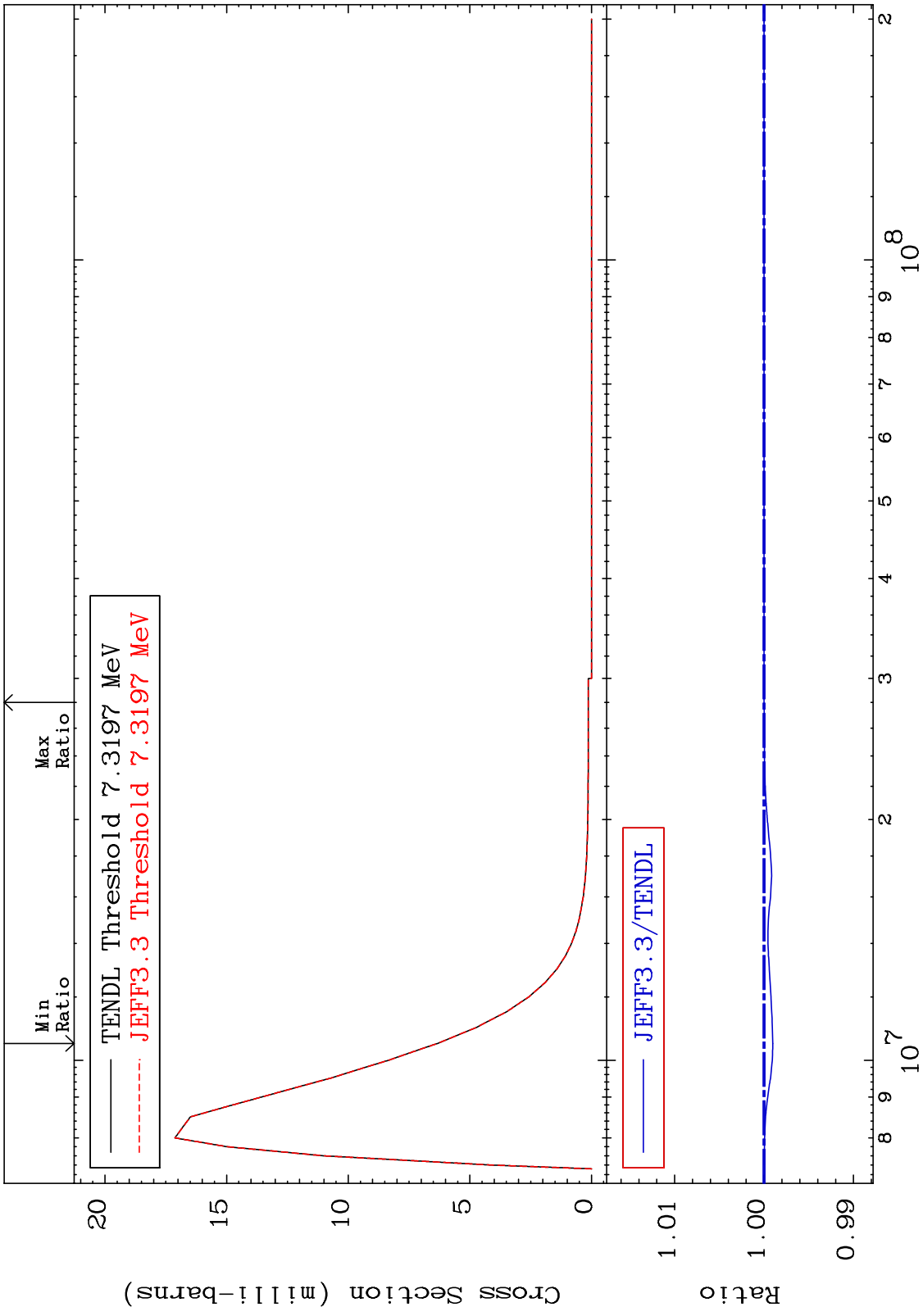


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Incident Energy (eV)

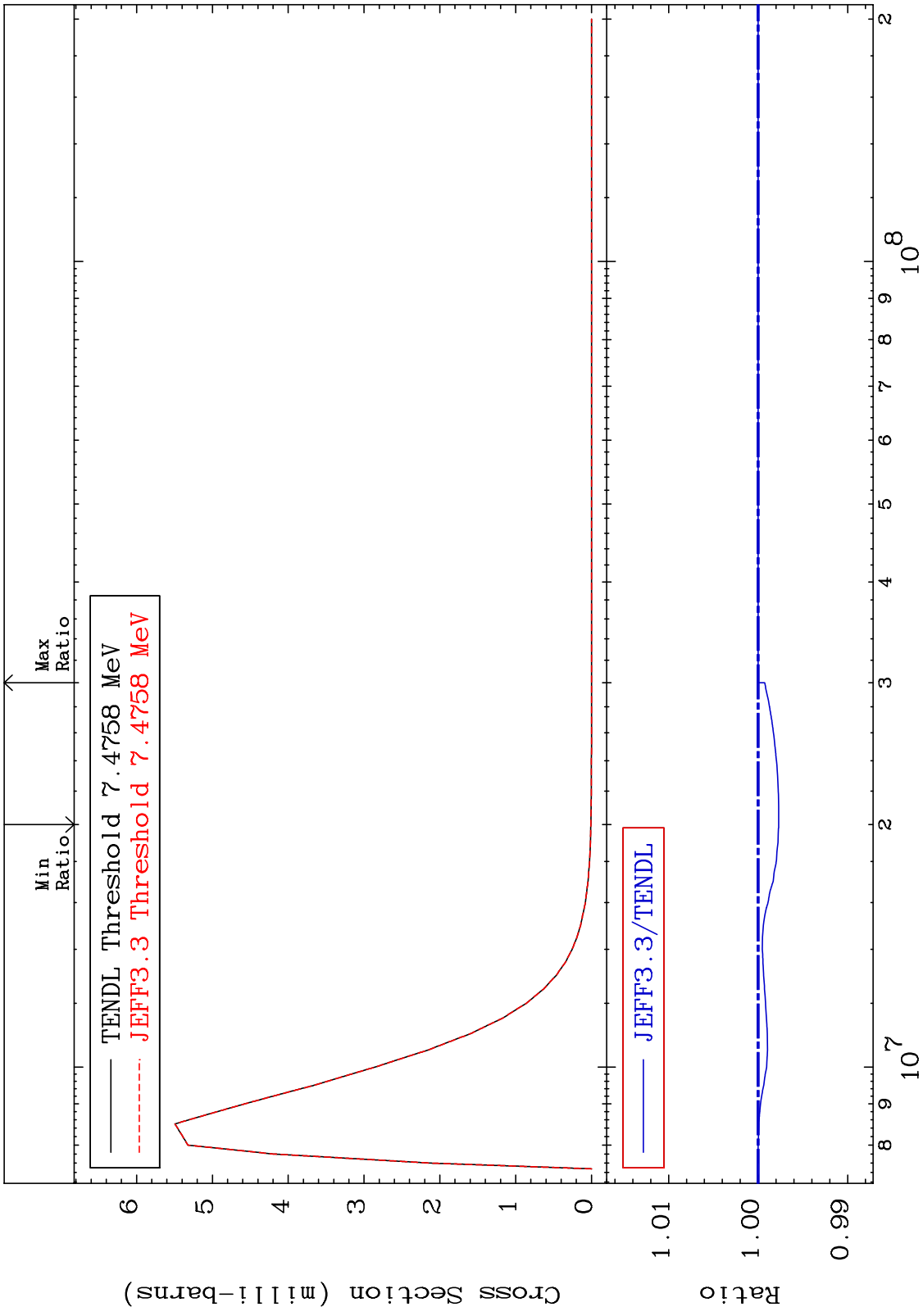
16-S -36

MAT 1637 MT= 73 (n,n') Level Cross Section 16-S -36  
 -0.098 To 0.000 %



41 16-S -36 Incident Energy (eV)

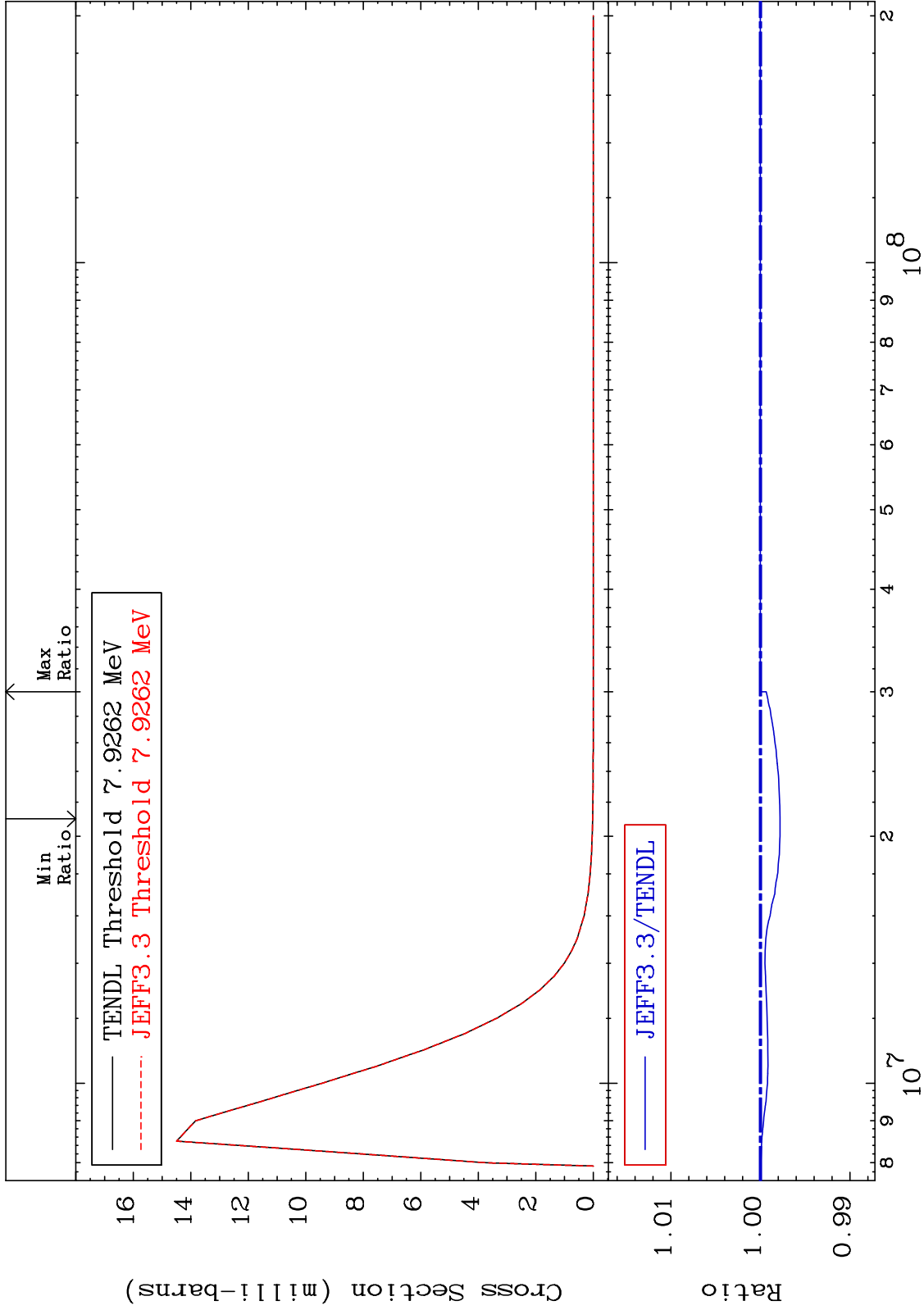
MAT 1637 MT= 74 (n,n') Level Cross Section -0.230 To 0.000 % 16-S -36



MAT 1637

MT= 75 (n,n') Level  
Cross Section

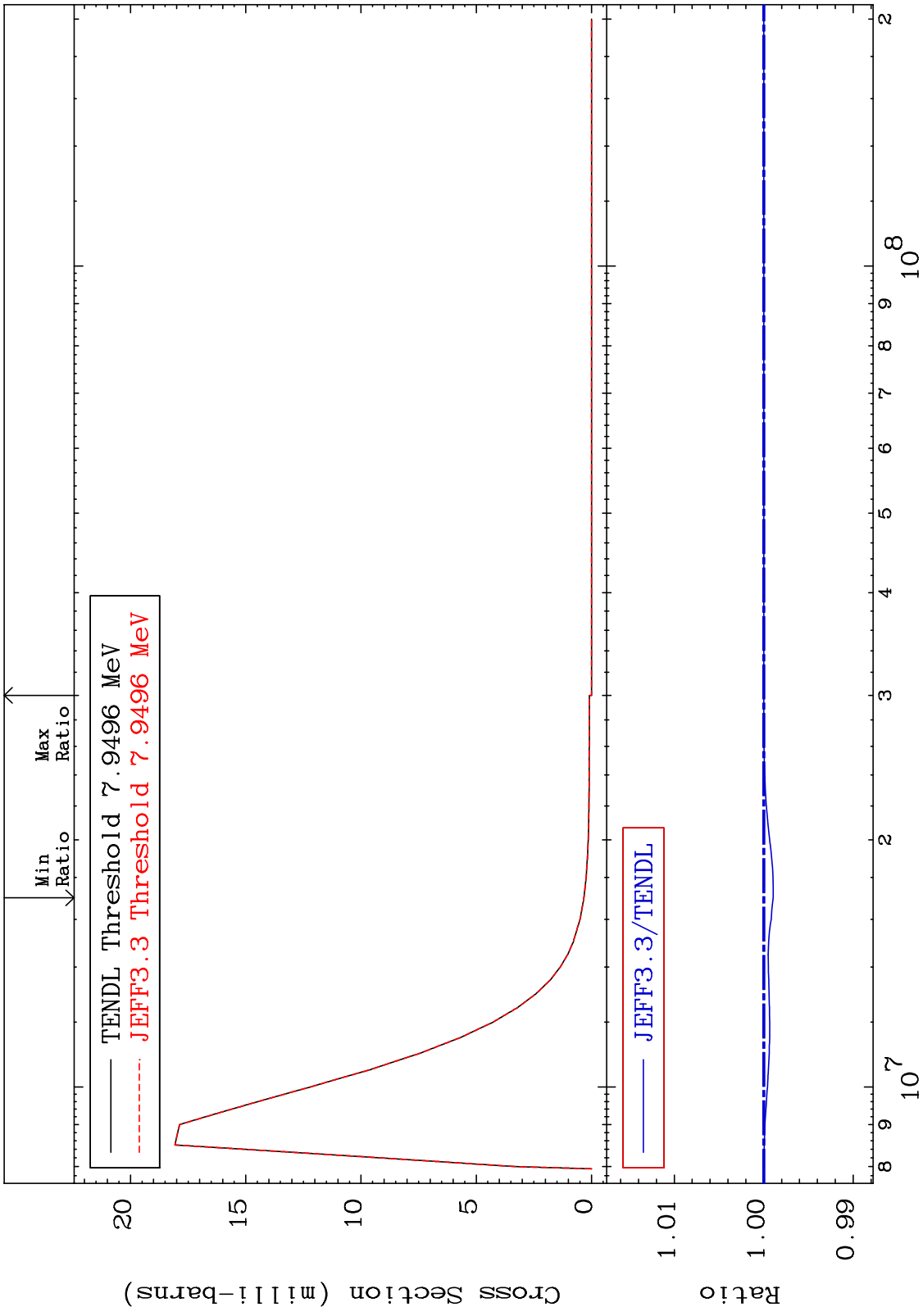
16-S -36  
-0.219 To 0.000 %



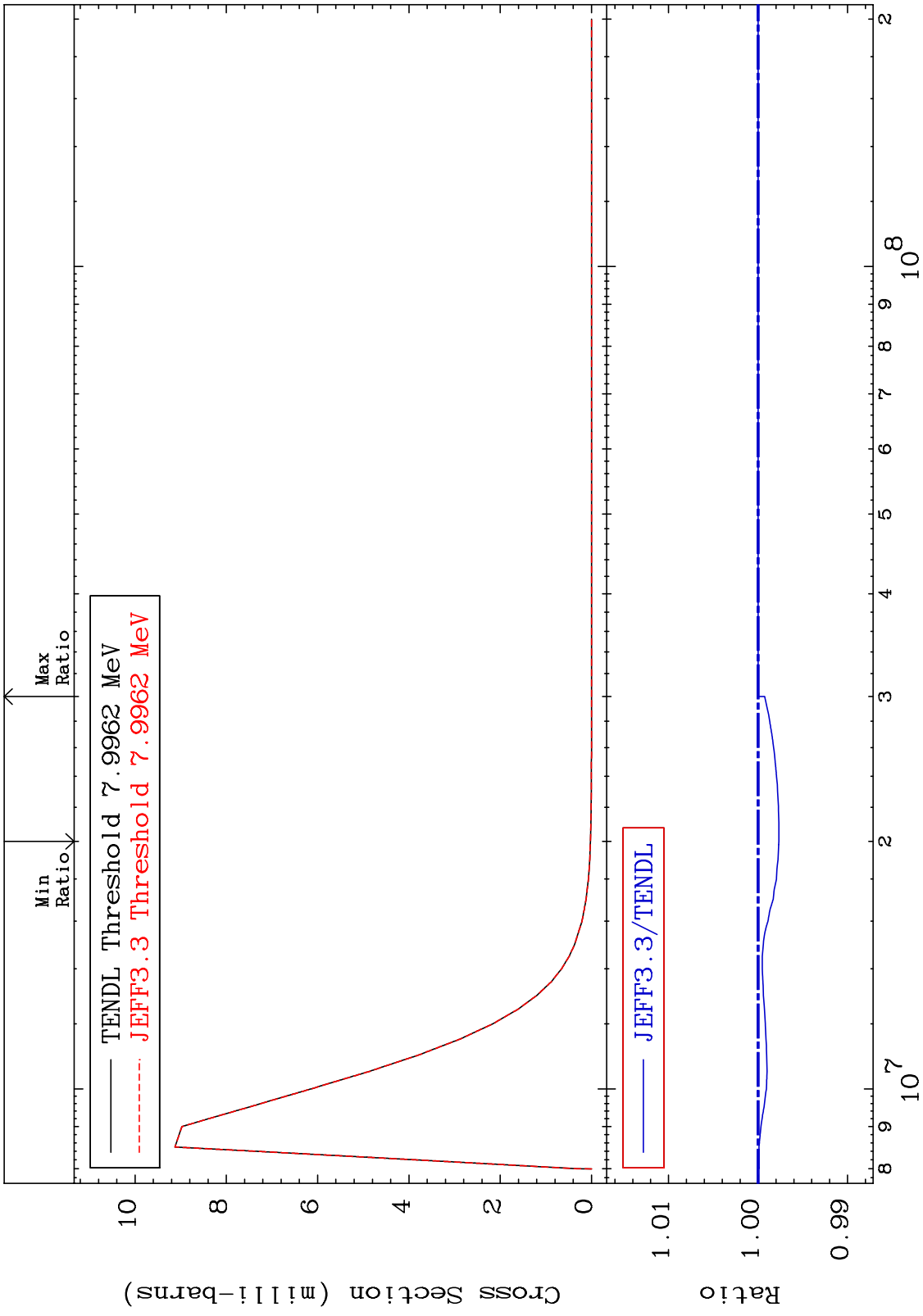
43

16-S -36

MAT 1637 MT= 76 (n,n') Level Cross Section 16-S -36  
 -0.105 To 0.000 %

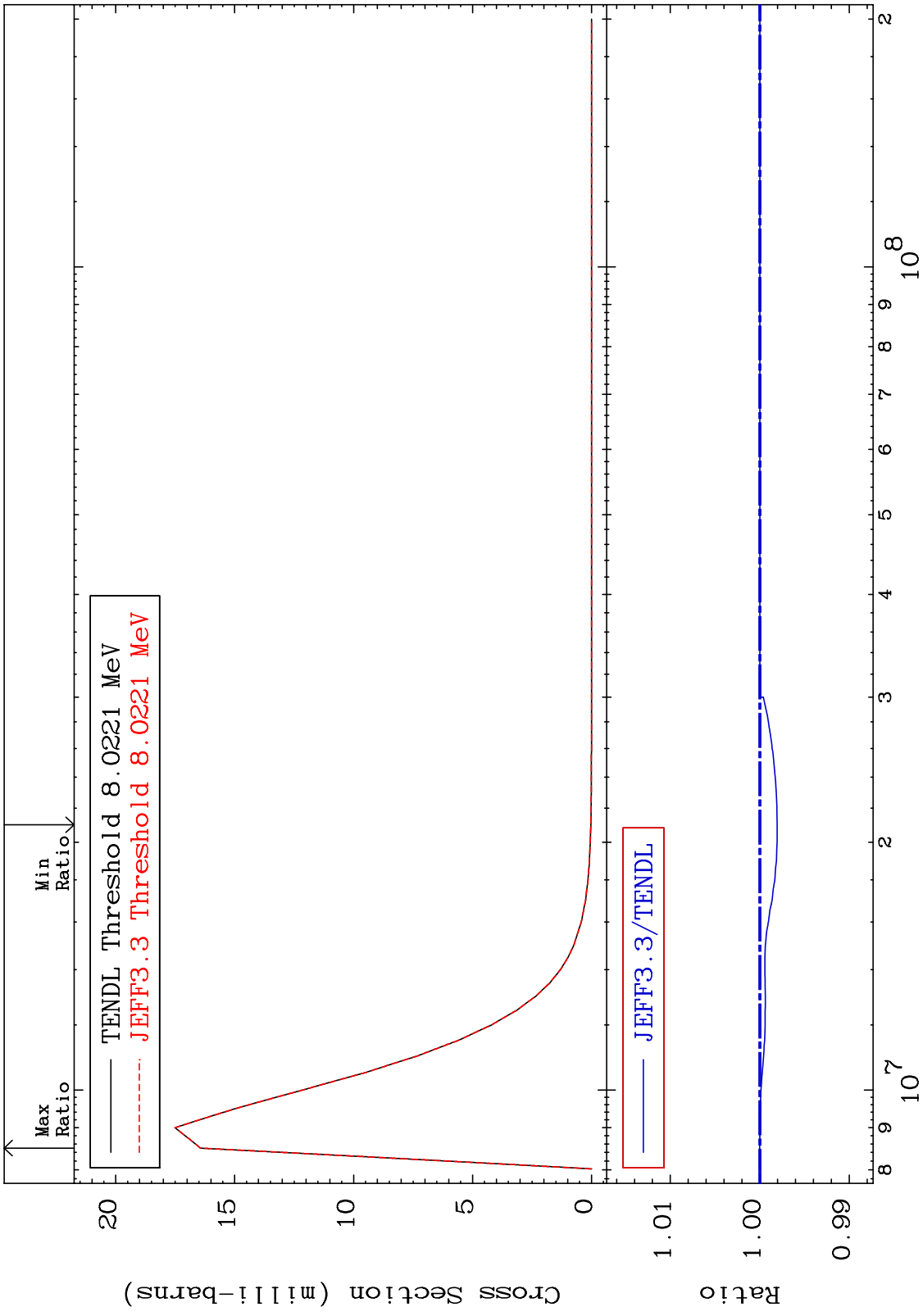


MAT 1637 MT= 77 (n,n') Level Cross Section 16-S -36  
-0.232 To 0.000 %



45 16-S -36

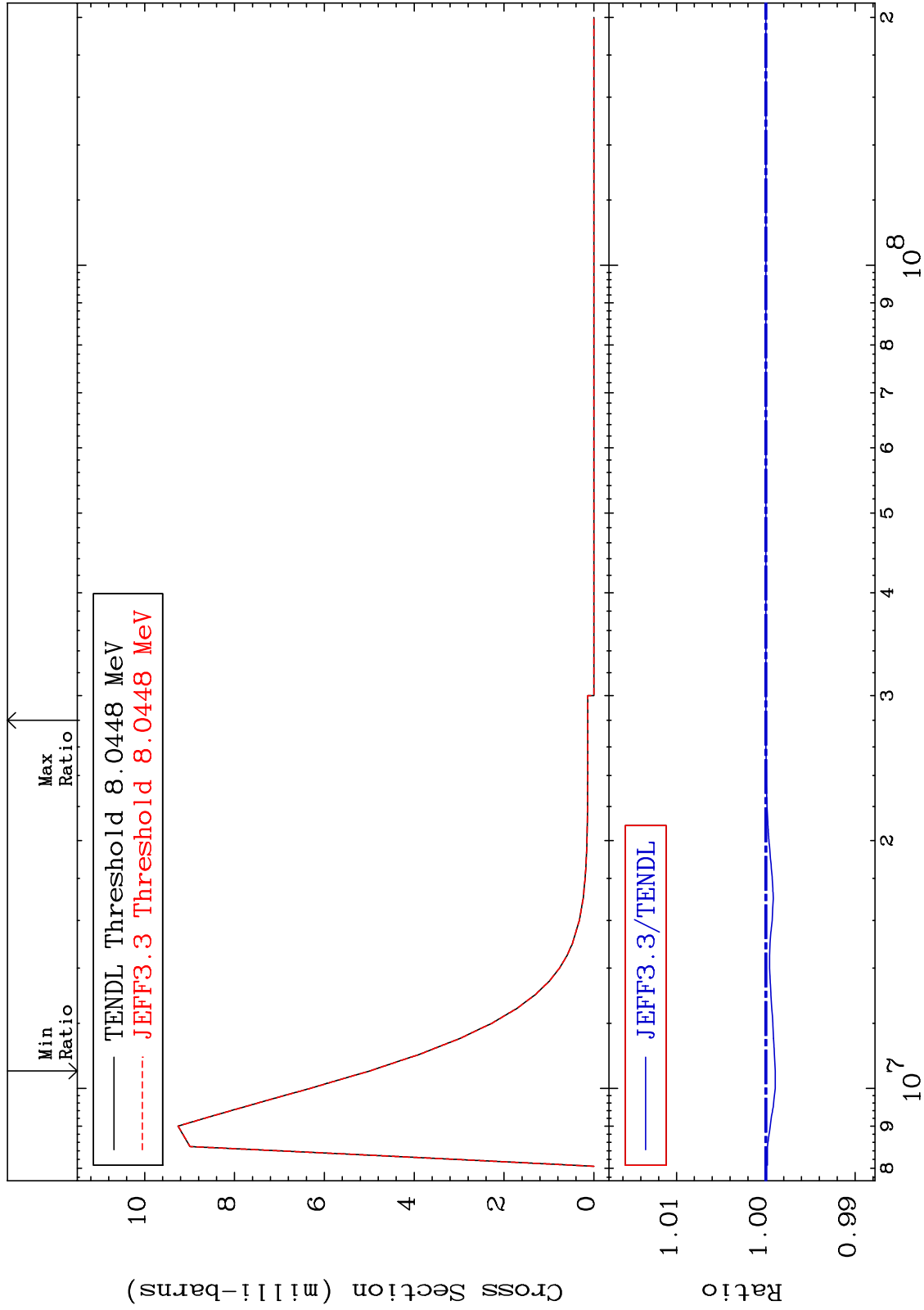
MAT 1637 MT= 78 (n,n') Level Cross Section 16-S -36  
 -0.194 To 0.000 %



MAT 1637

MT= 79 (n,n') Level  
Cross Section

16-S -36  
-0.105 To 0.000 %



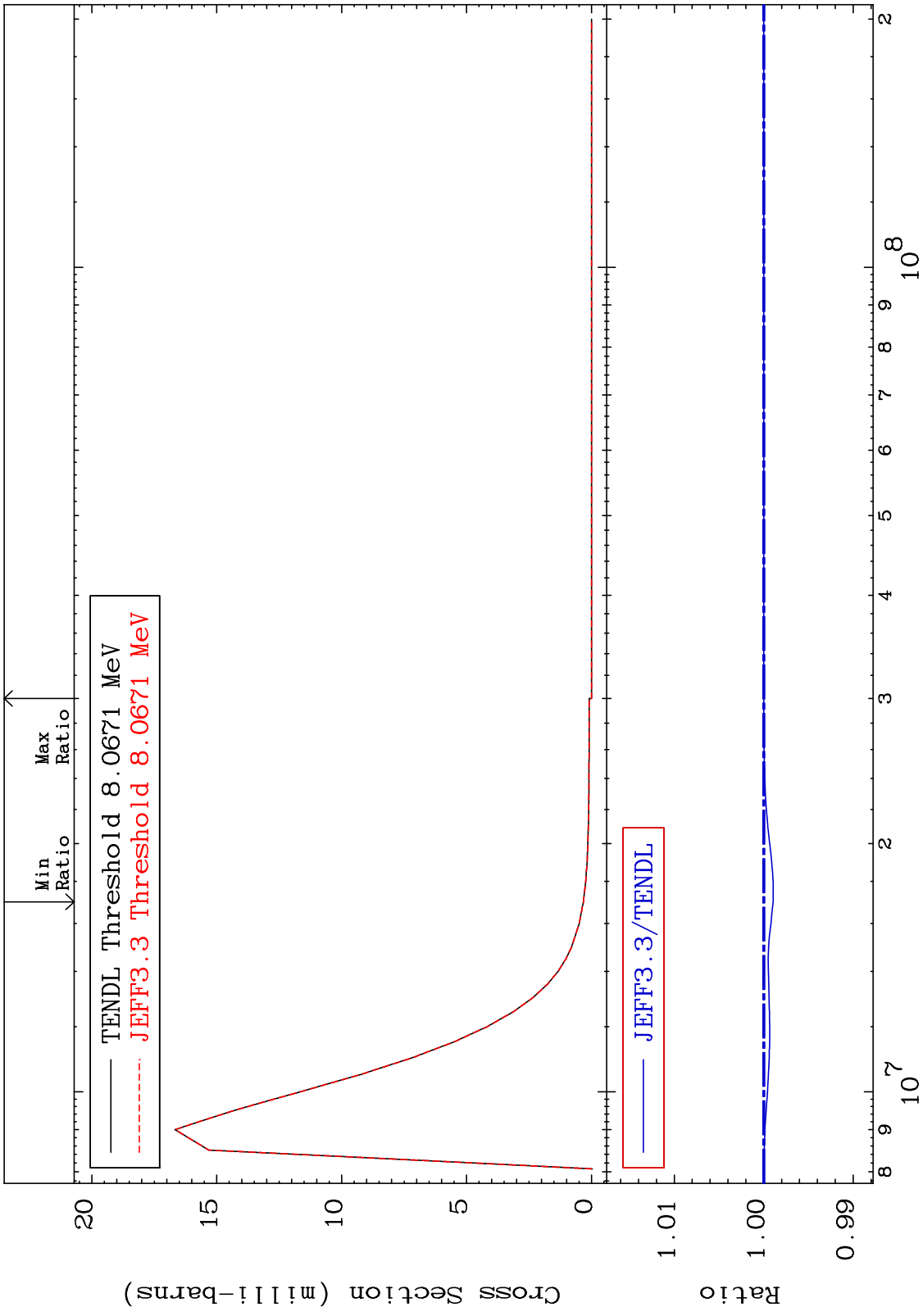
47

Incident Energy (eV)

16-S -36

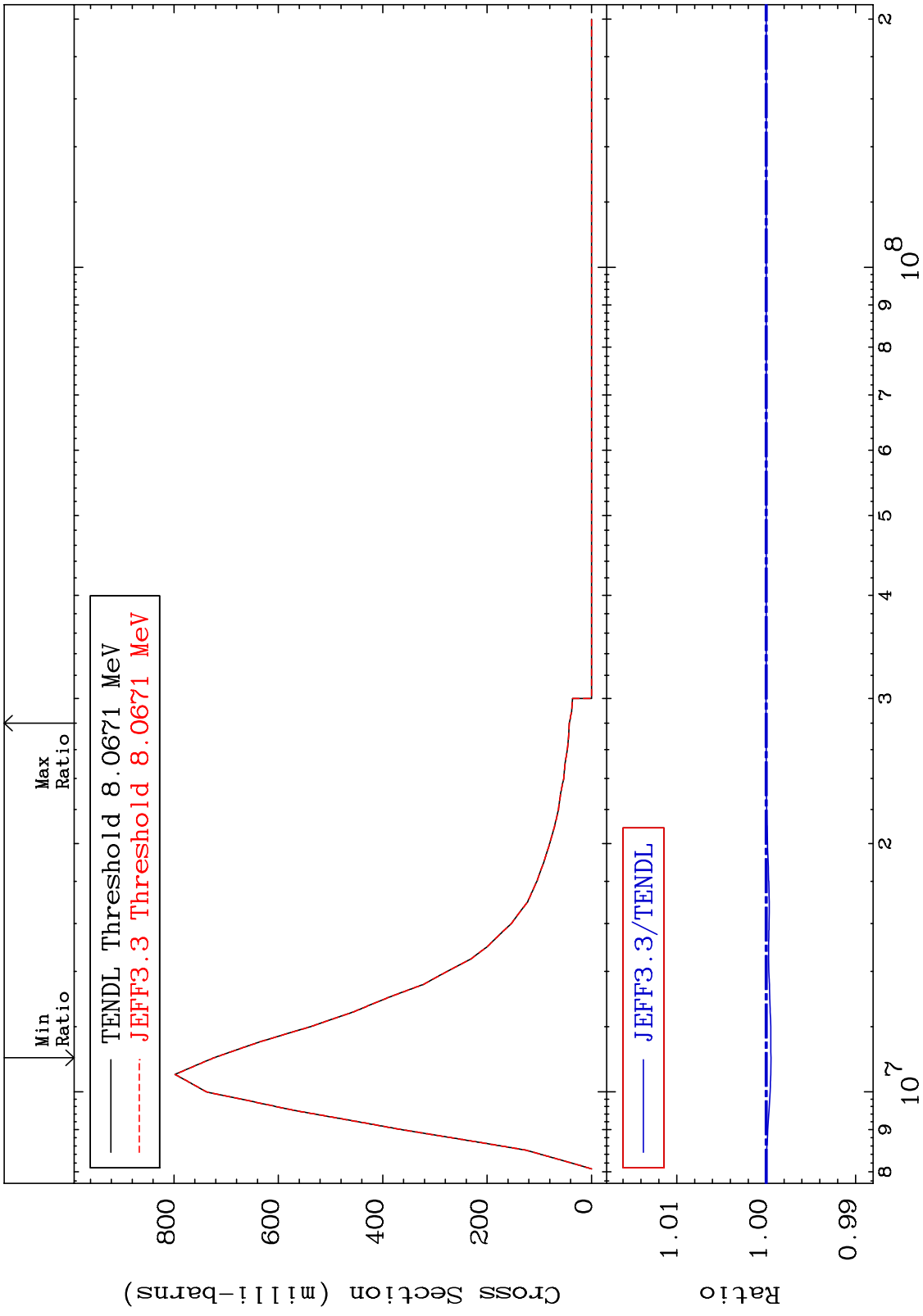


MAT 1637 MT= 80 (n,n') Level Cross Section 16-S -36  
 -0.105 To 0.000 %



48 Incident Energy (eV) 16-S -36

MAT 1637 (n, n') Continuum Cross Section 16-S -36  
 -0.053 To 0.002 %



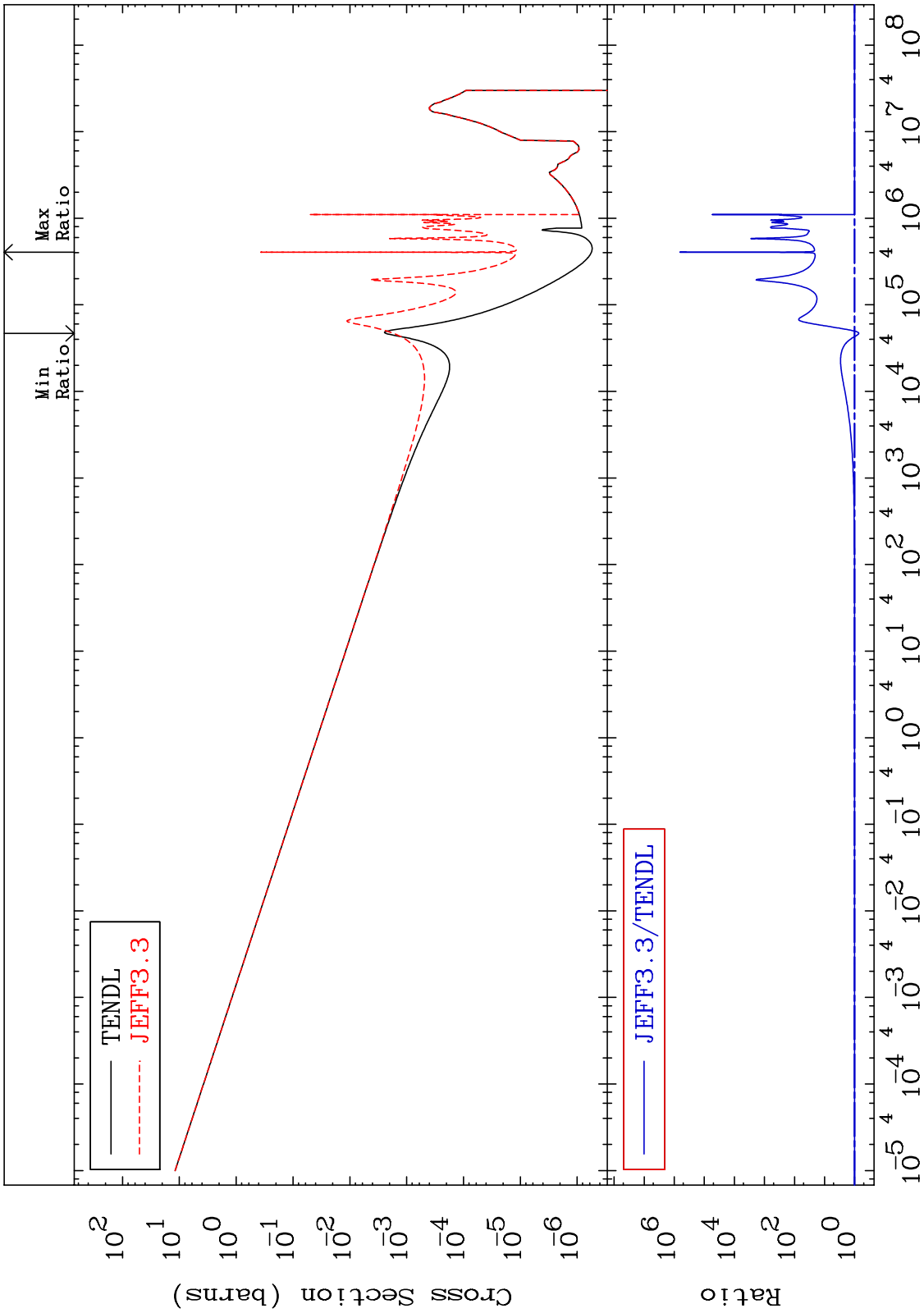
MAT 1637

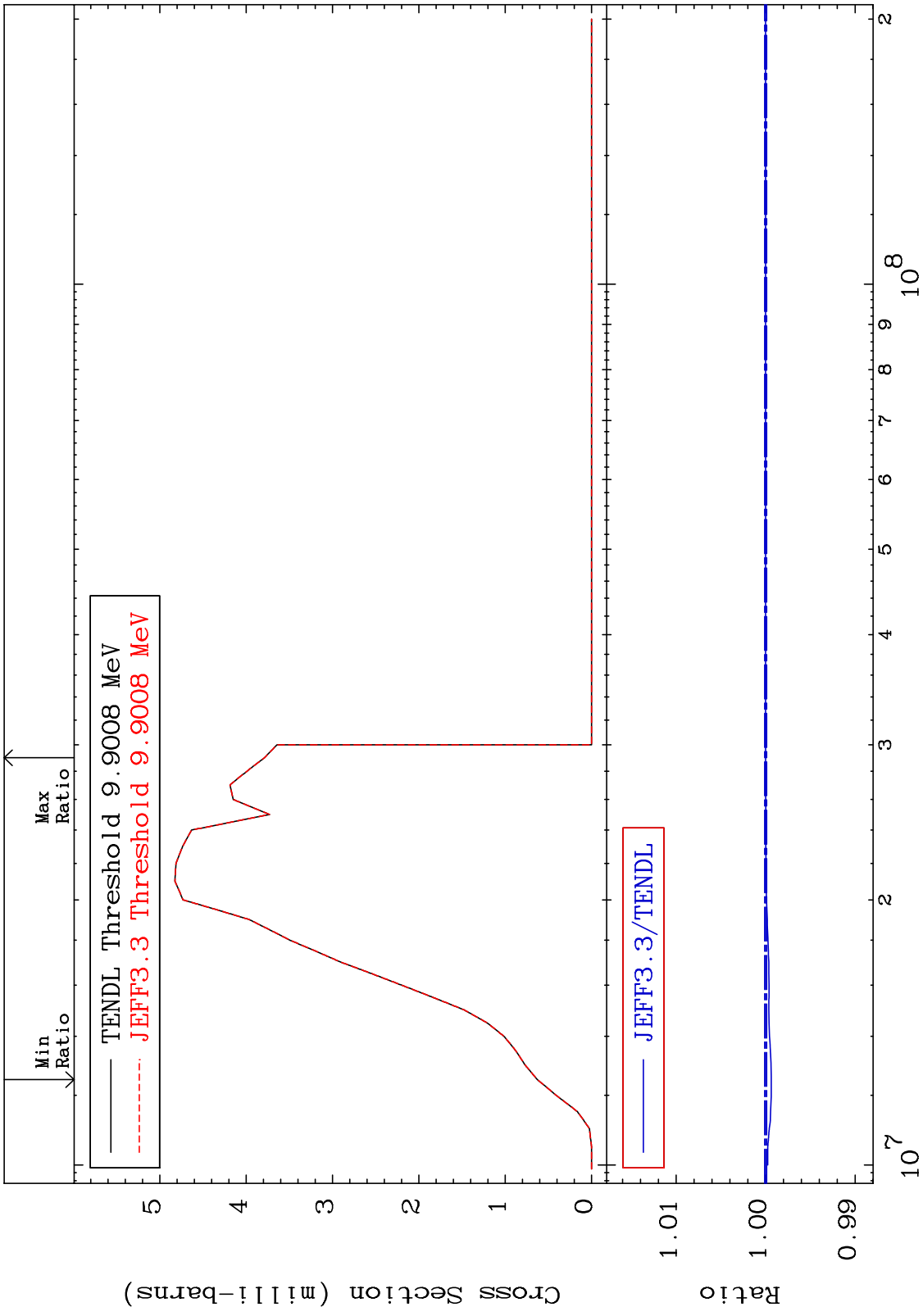
(n,  $\gamma$ )

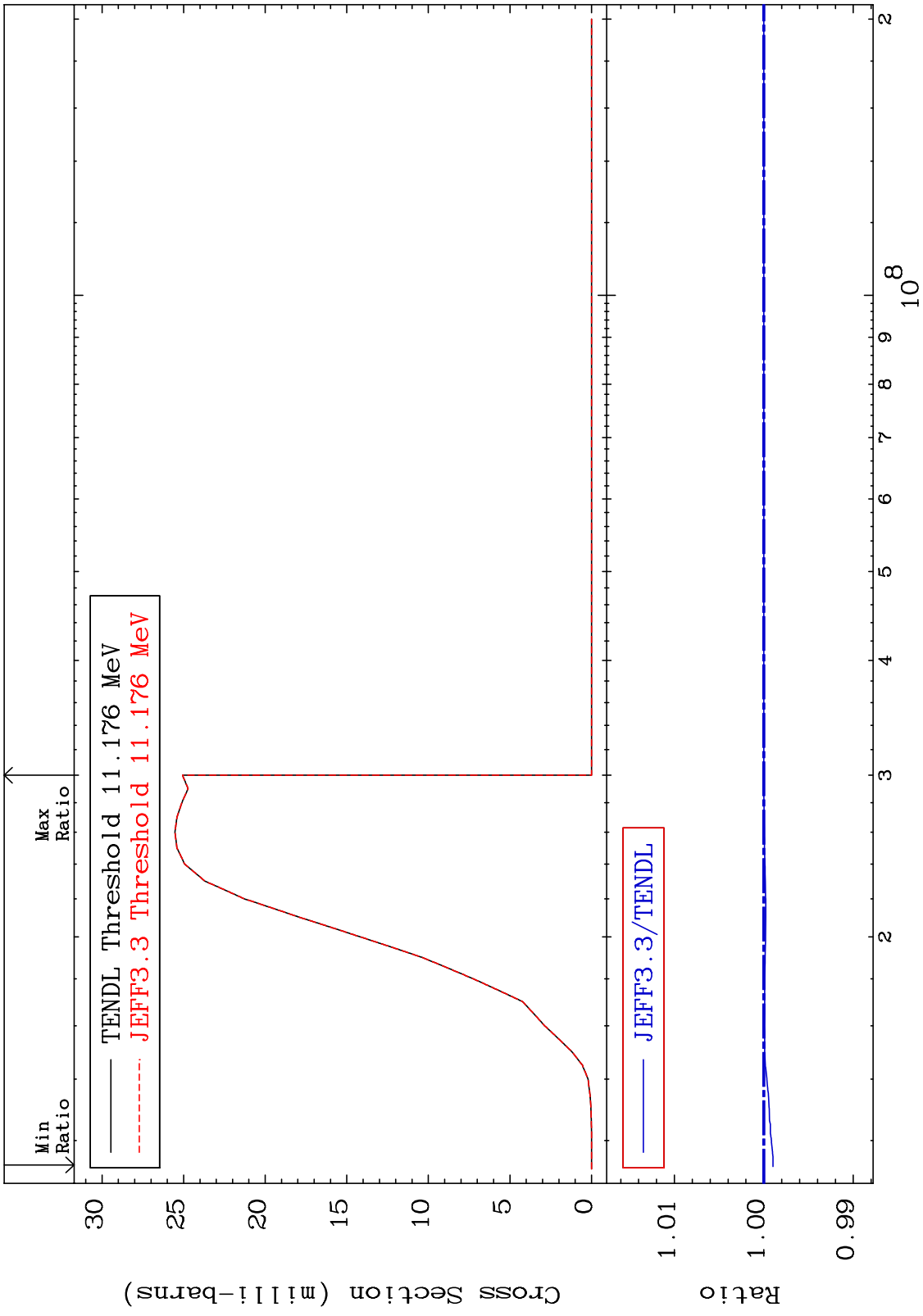
16-S -36

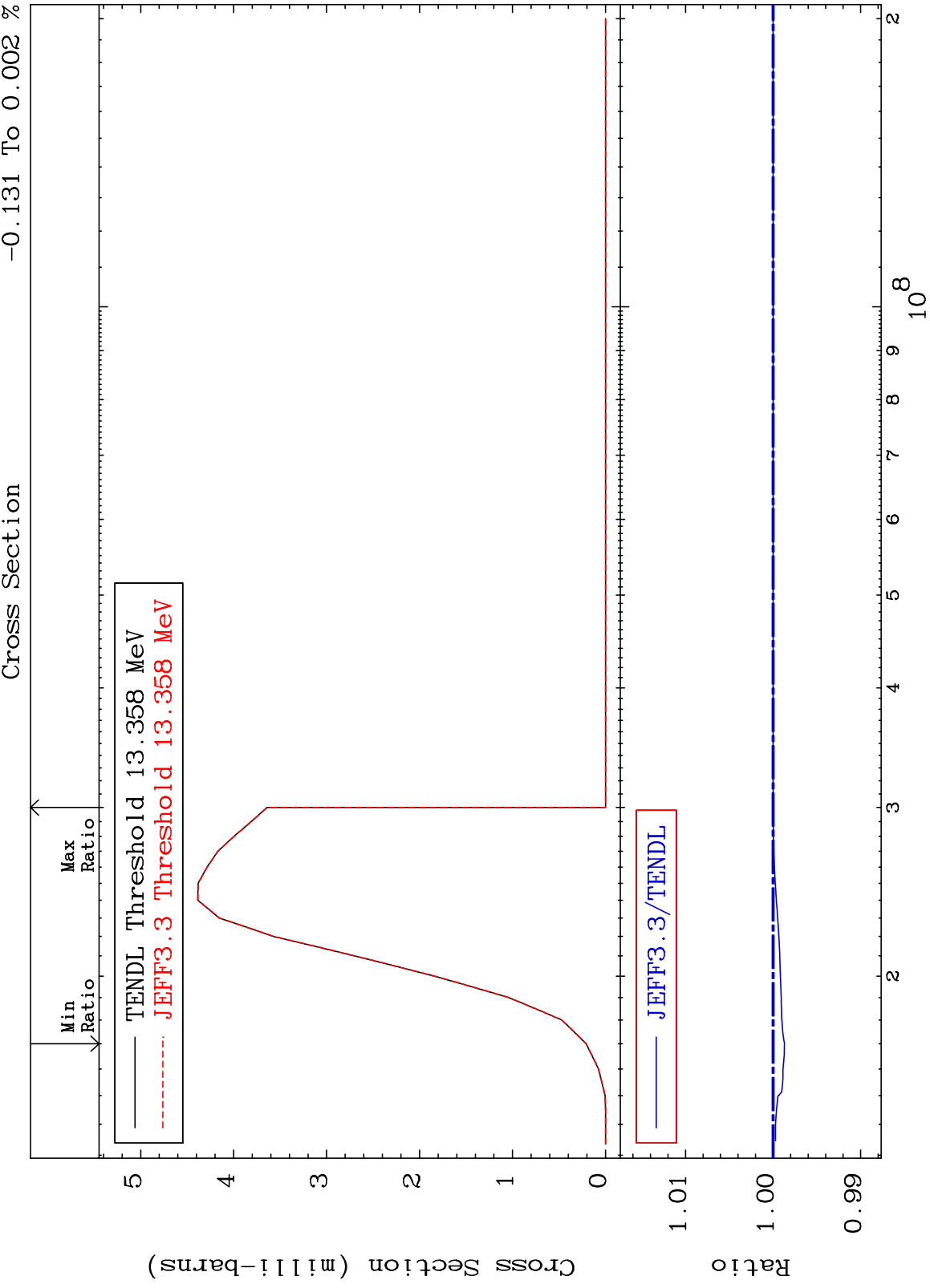
Cross Section

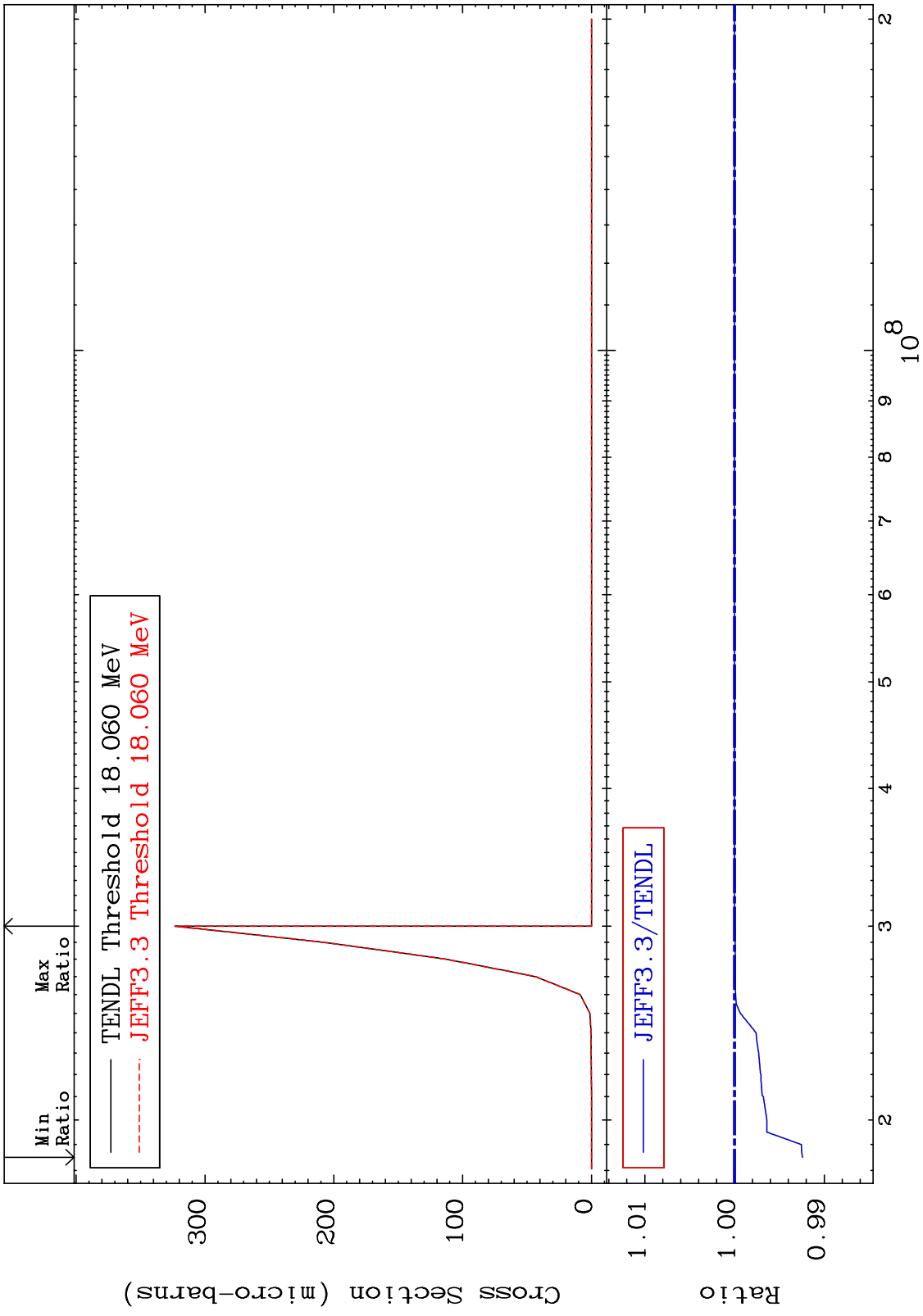
-26.99 To 9999. %



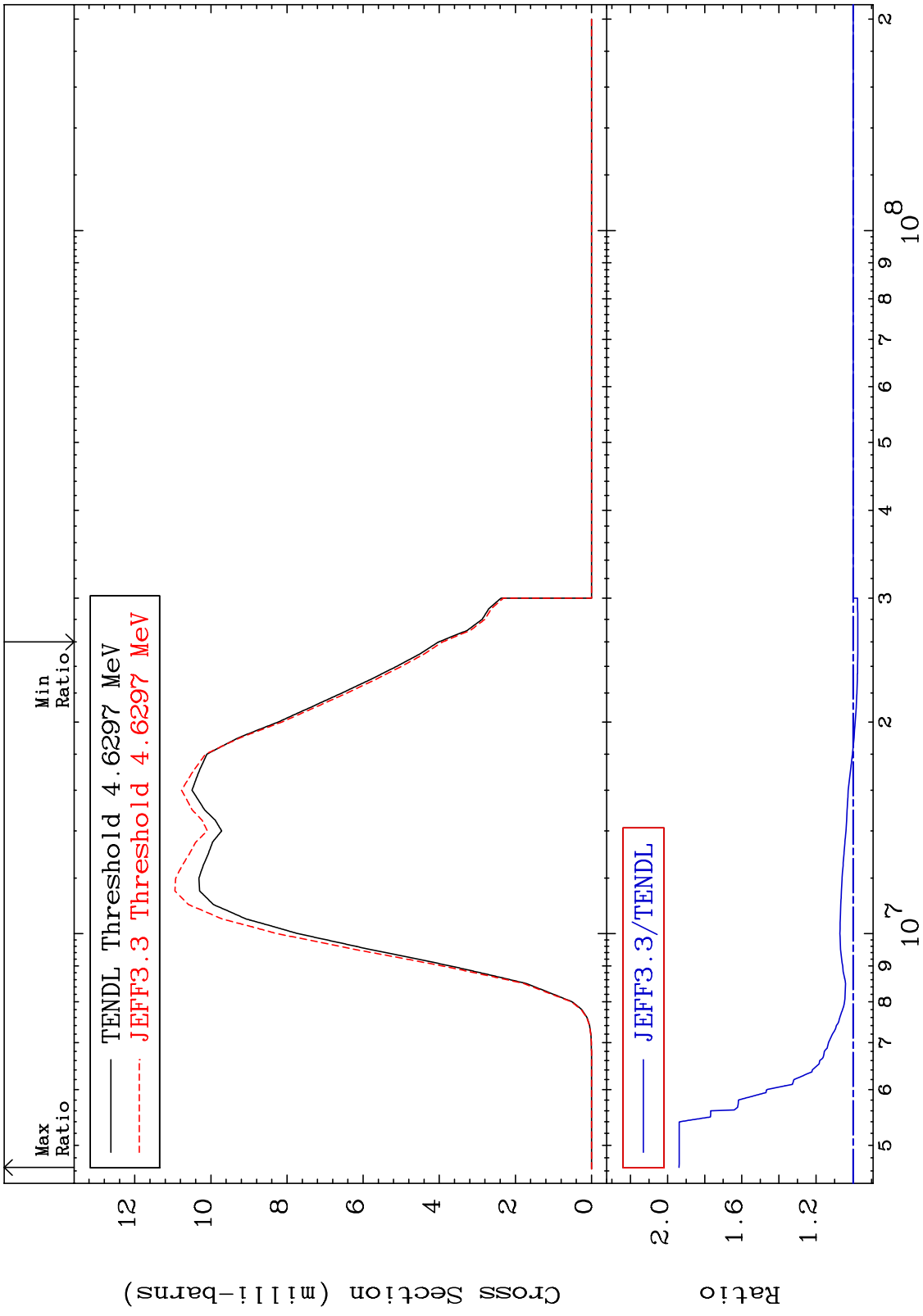






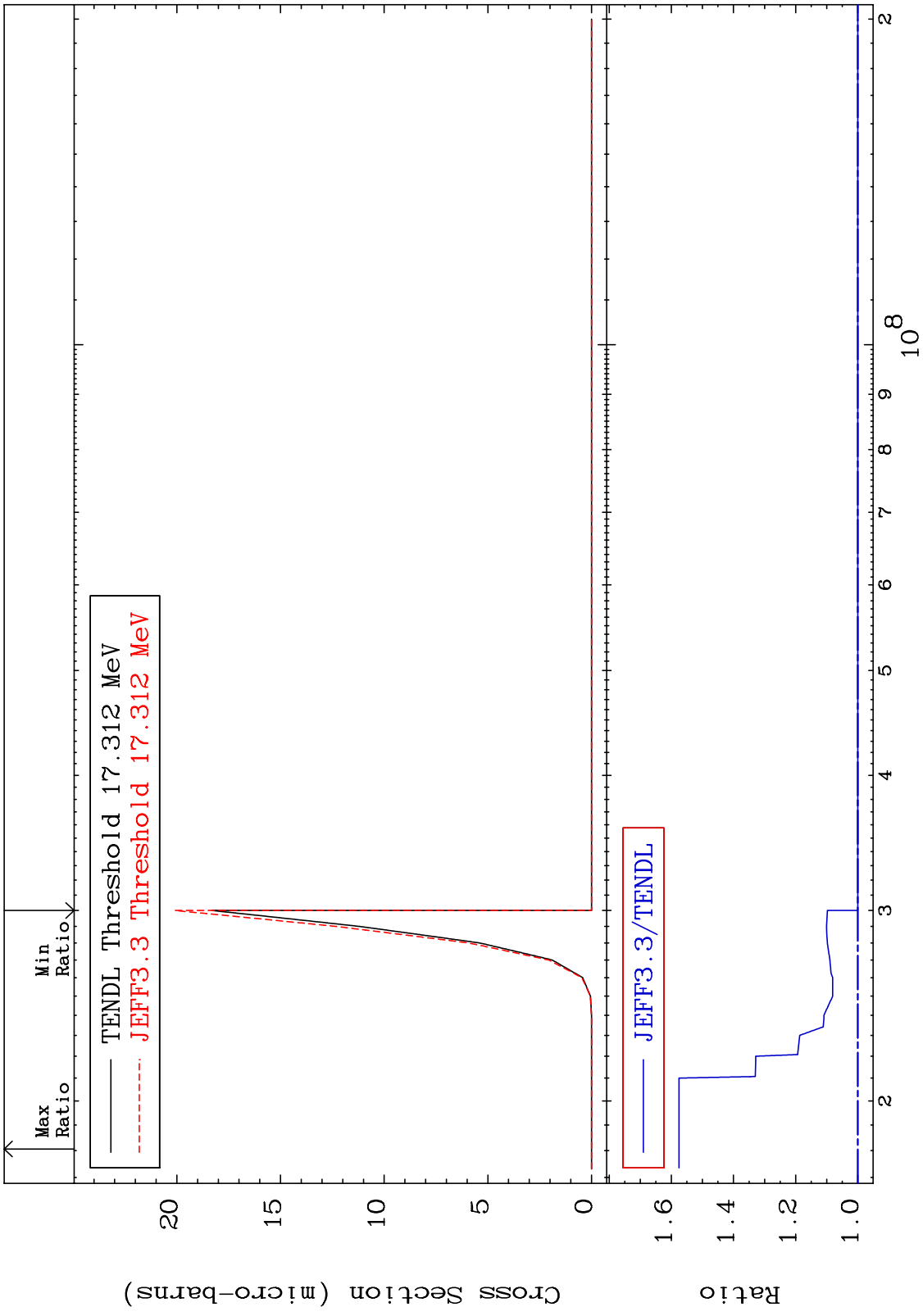


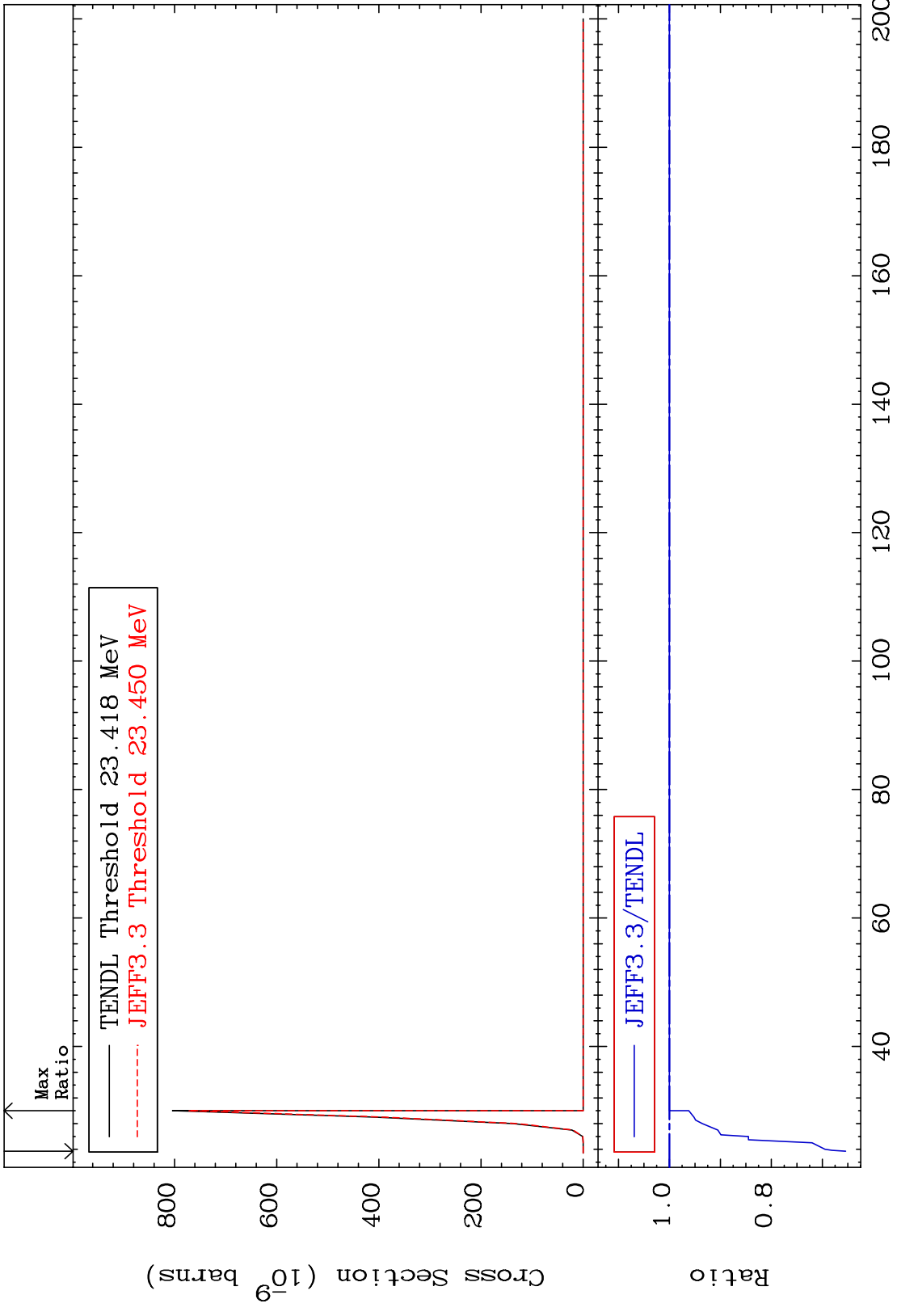
MAT 1637 (n,α) 16-S -36  
-2.556 To 93.82 %



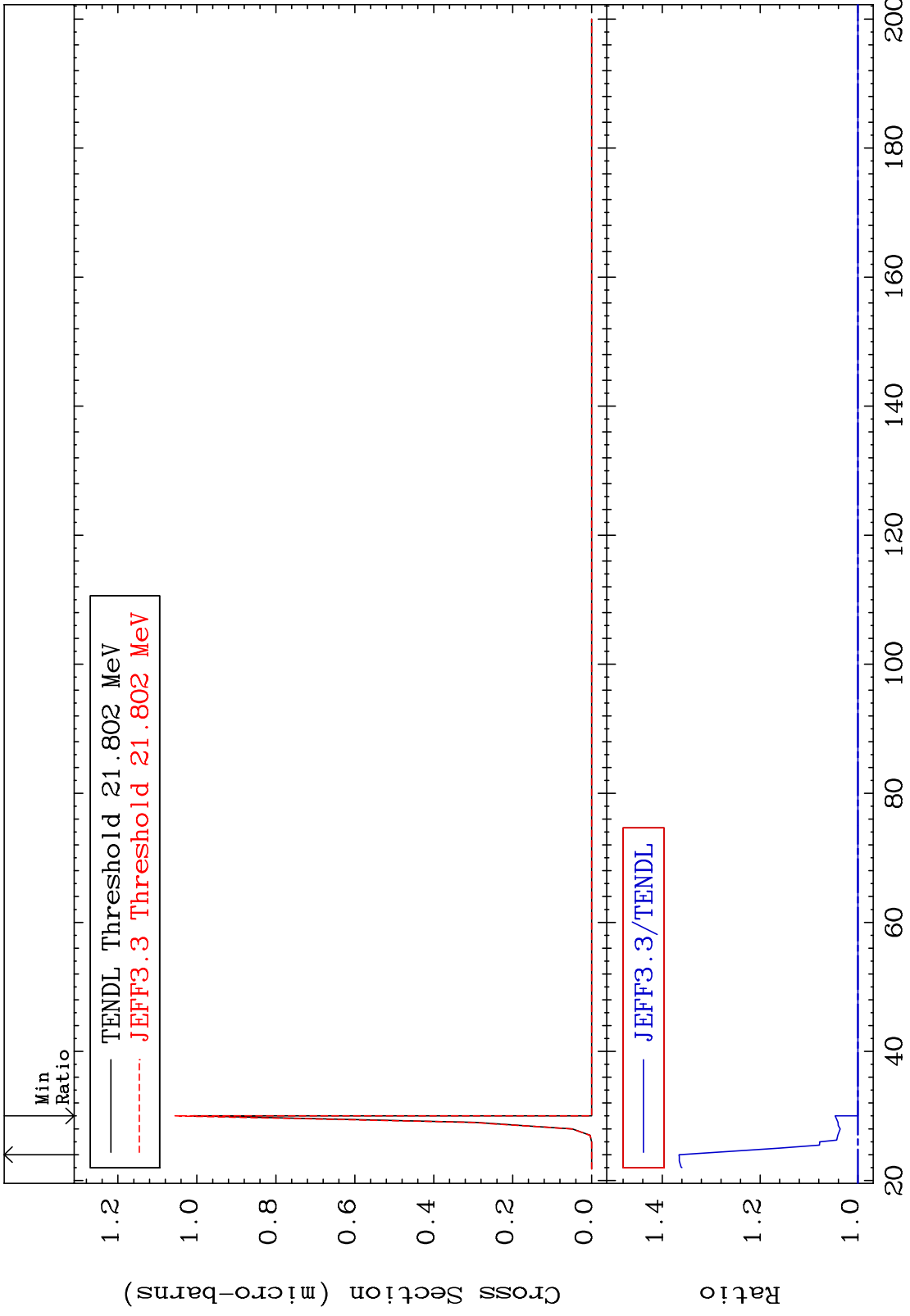


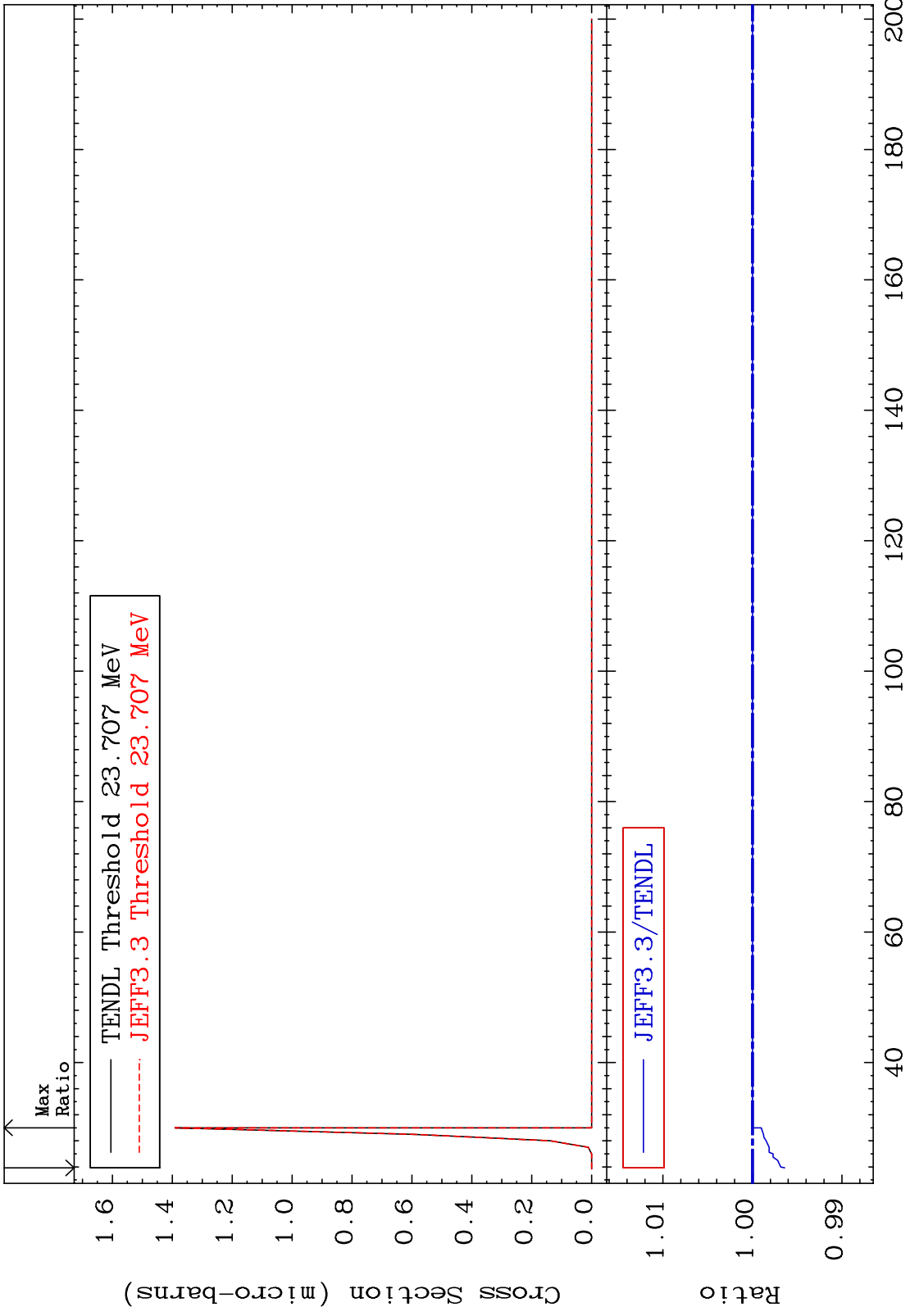
MAT 1637  $(n, 2\alpha)$  16-S -36  
 Cross Section 0.000 To 57.52 %



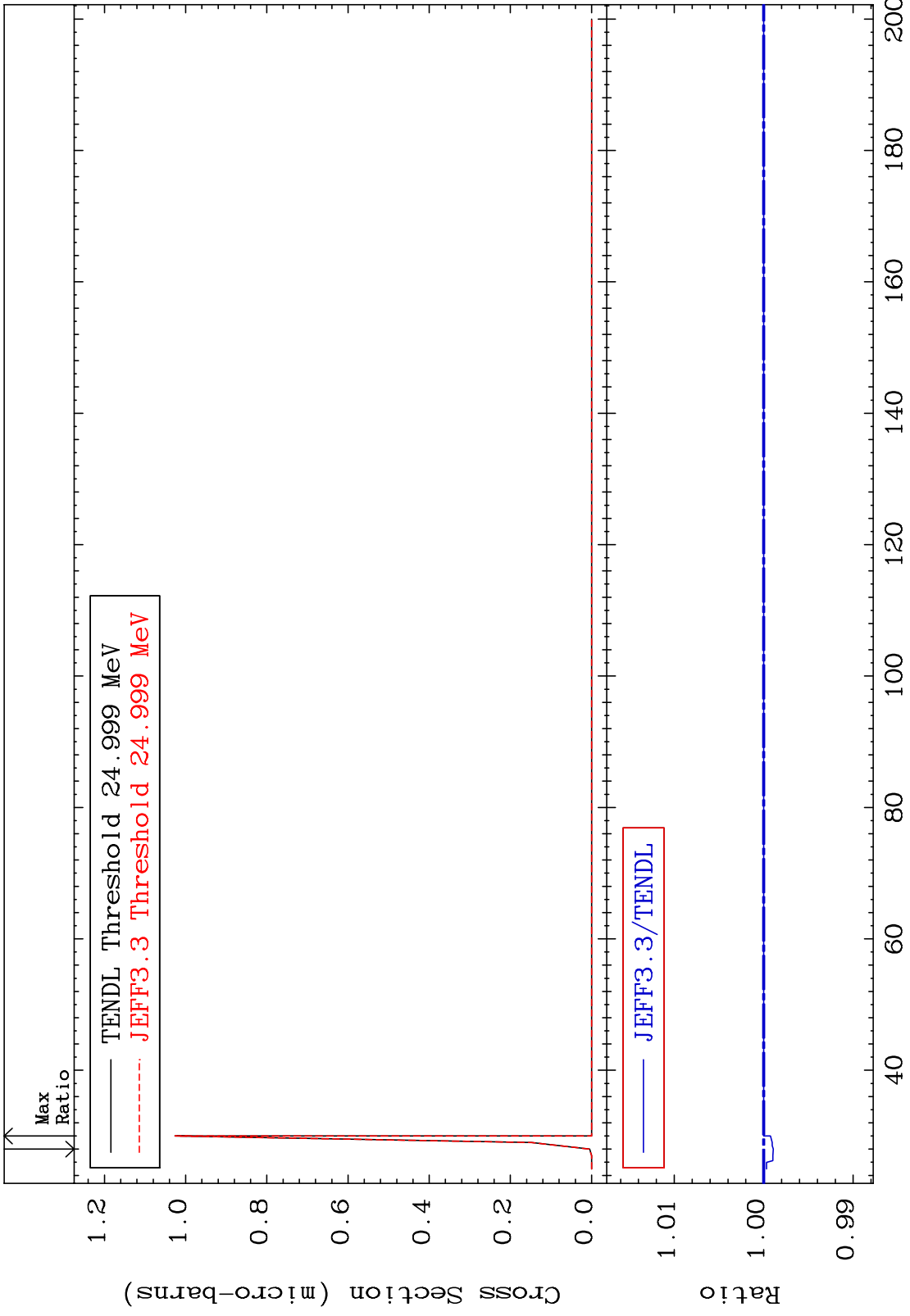


MAT 1637 (n,p)  $\alpha$  16-S -36  
Cross Section 0.000 To 36.55 %



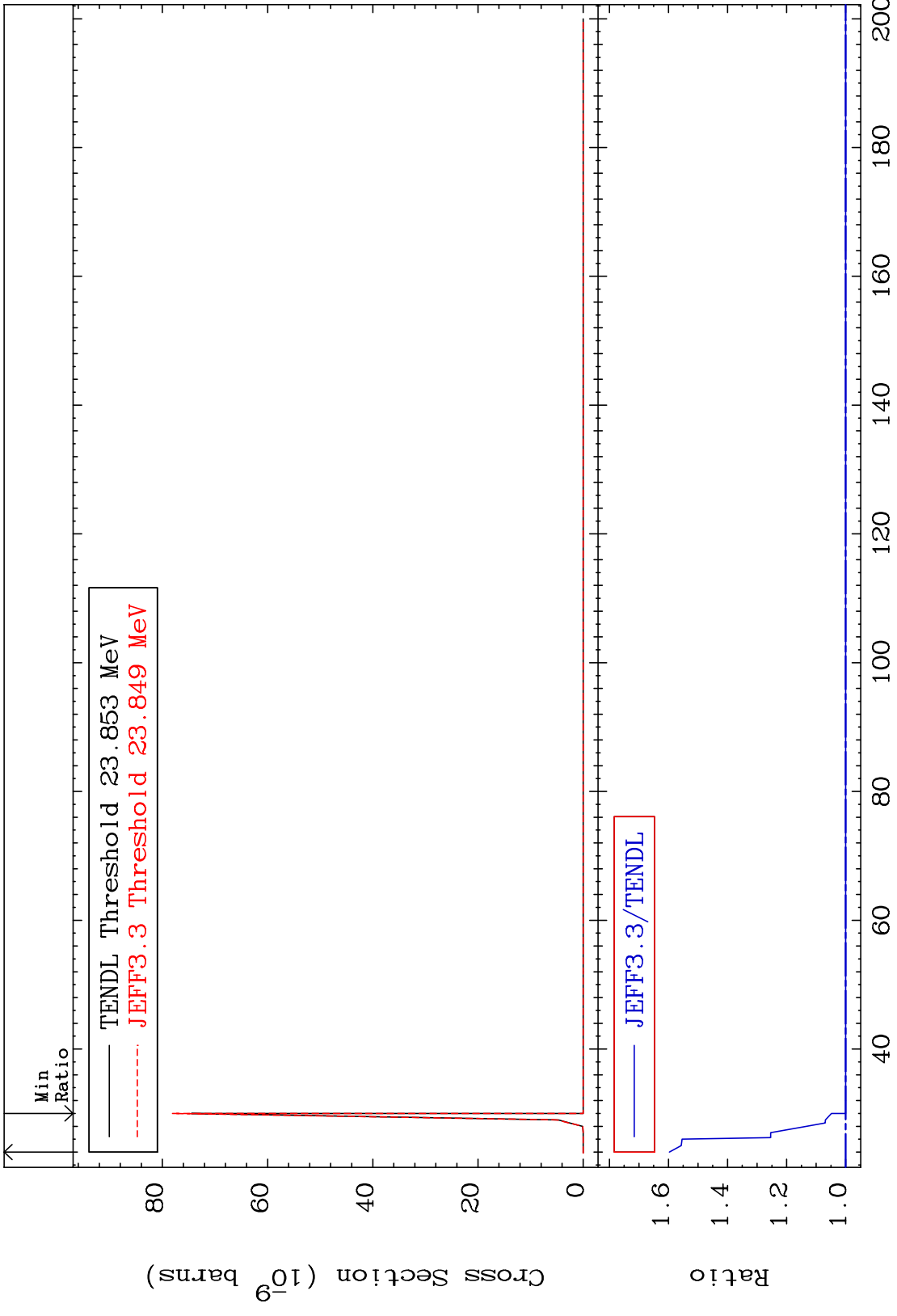


MAT 1637 (n,p) t 16-S -36  
Cross Section -0.108 To 0.000 %

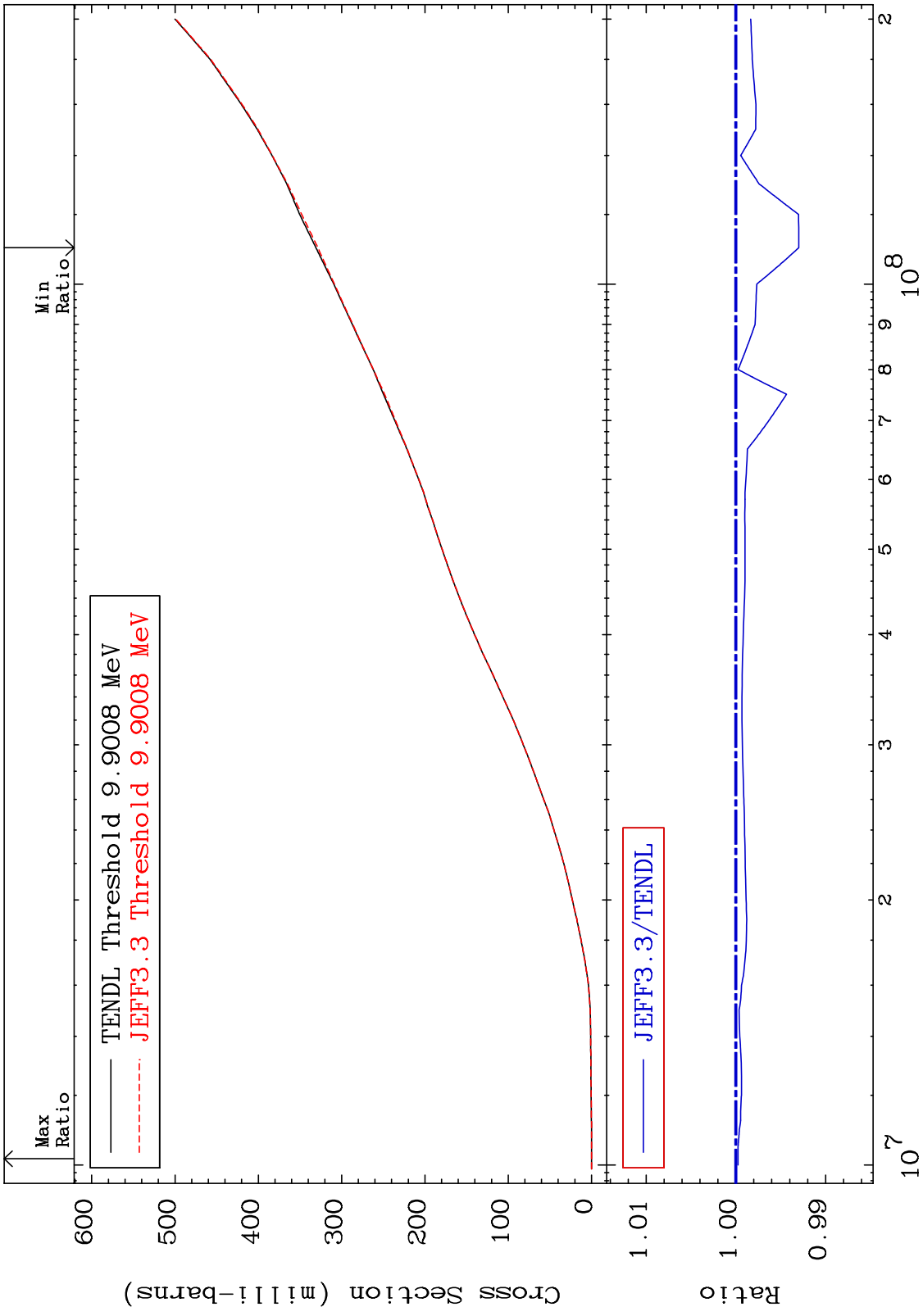


60 16-S -36

MAT 1637 (n,d)  $\alpha$  16-S -36  
Cross Section To 59.67 % 0.000



MAT 1637 Hydrogen Production Cross Section 16-S -36  
-0.702 To -0.024%

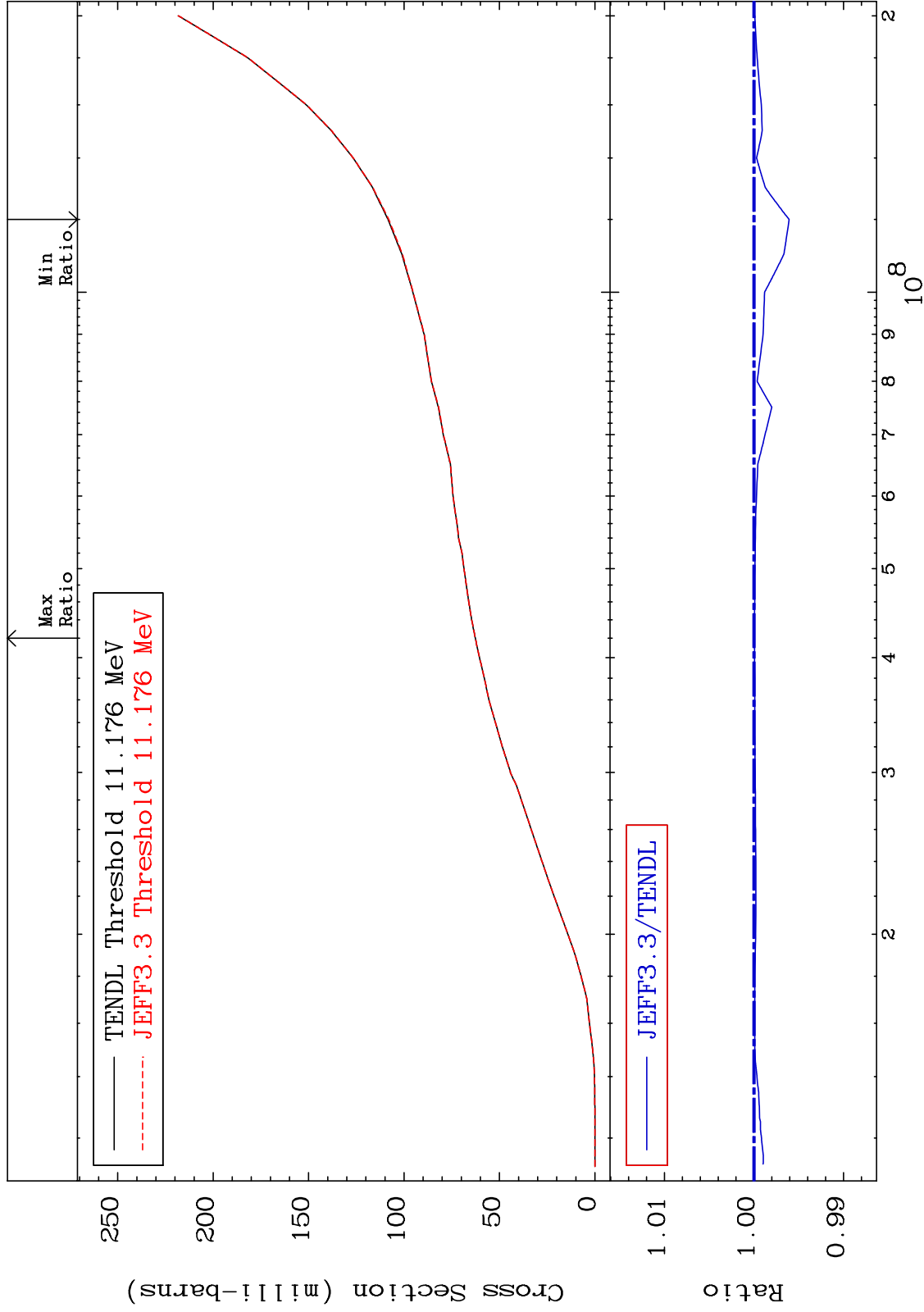


62 16-S -36

MAT 1637

Deuterium Production  
Cross Section

16-S -36  
-0.393 To -0.007%



63

Incident Energy (eV)

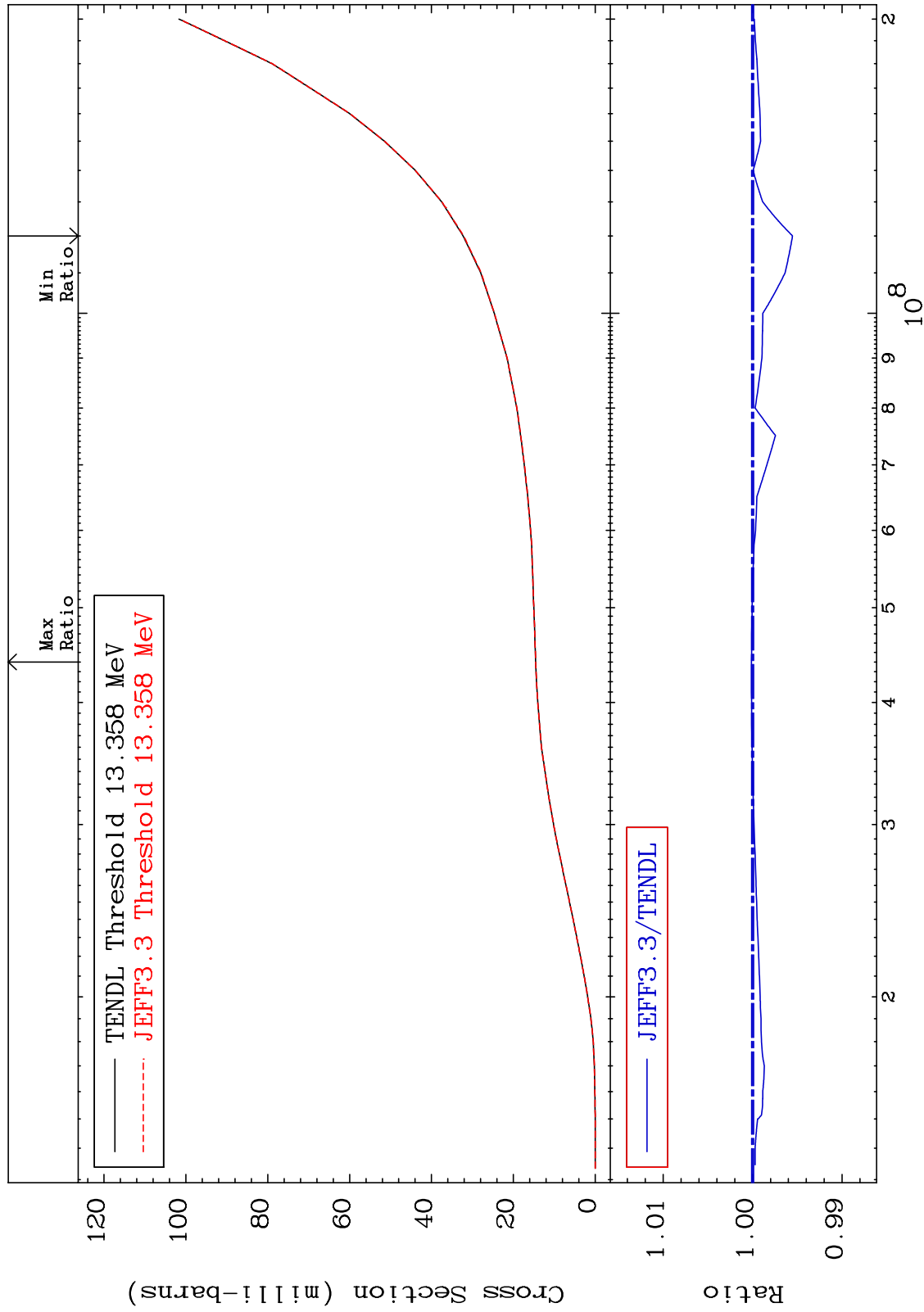
16-S -36



MAT 1637

Tritium Production  
Cross Section

16-S -36  
-0.446 To 0.013 %



64

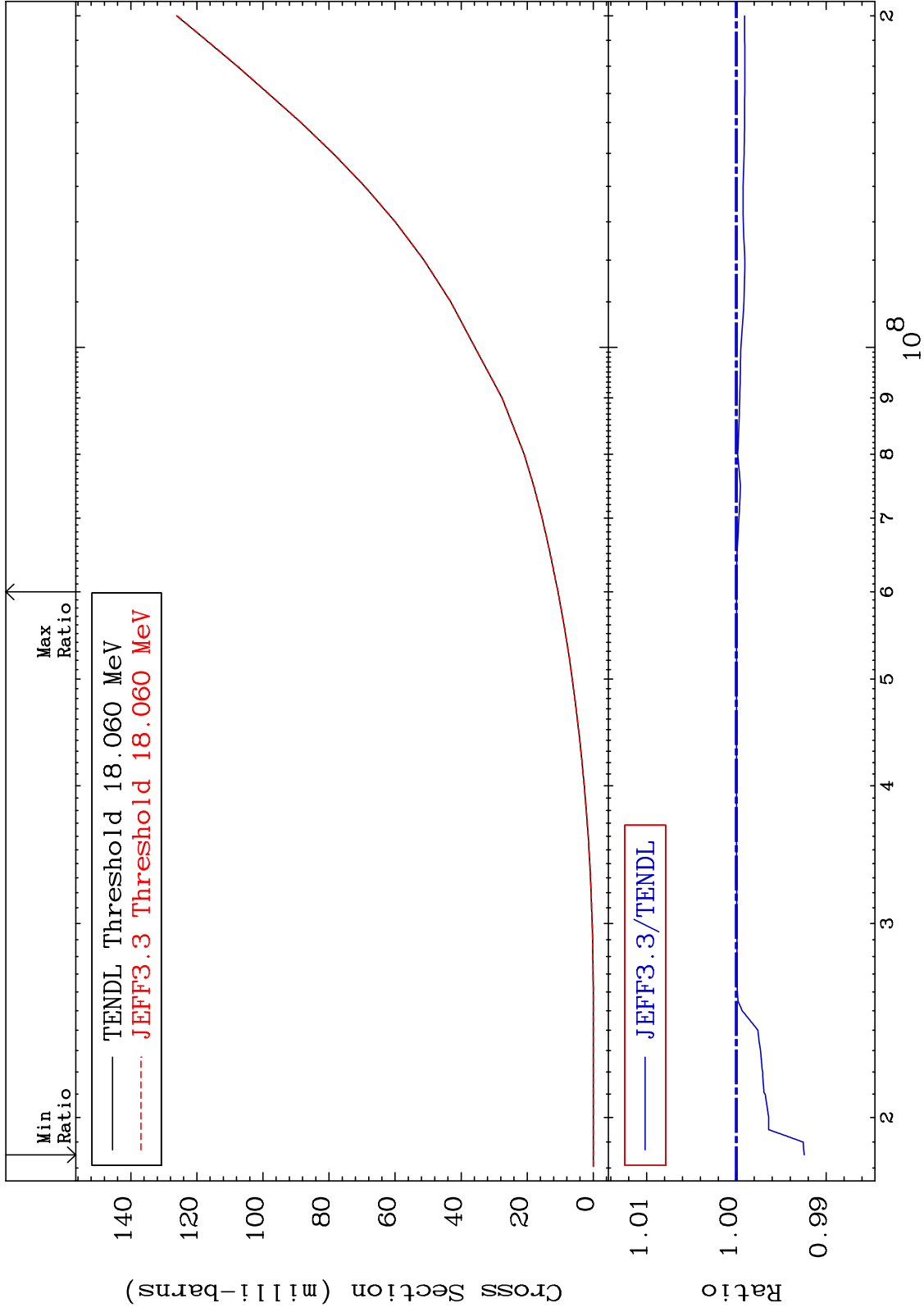
Incident Energy (eV)

16-S -36

MAT 1637

He-3 Production  
Cross Section

16-S -36  
-0.756 To 0.001 %

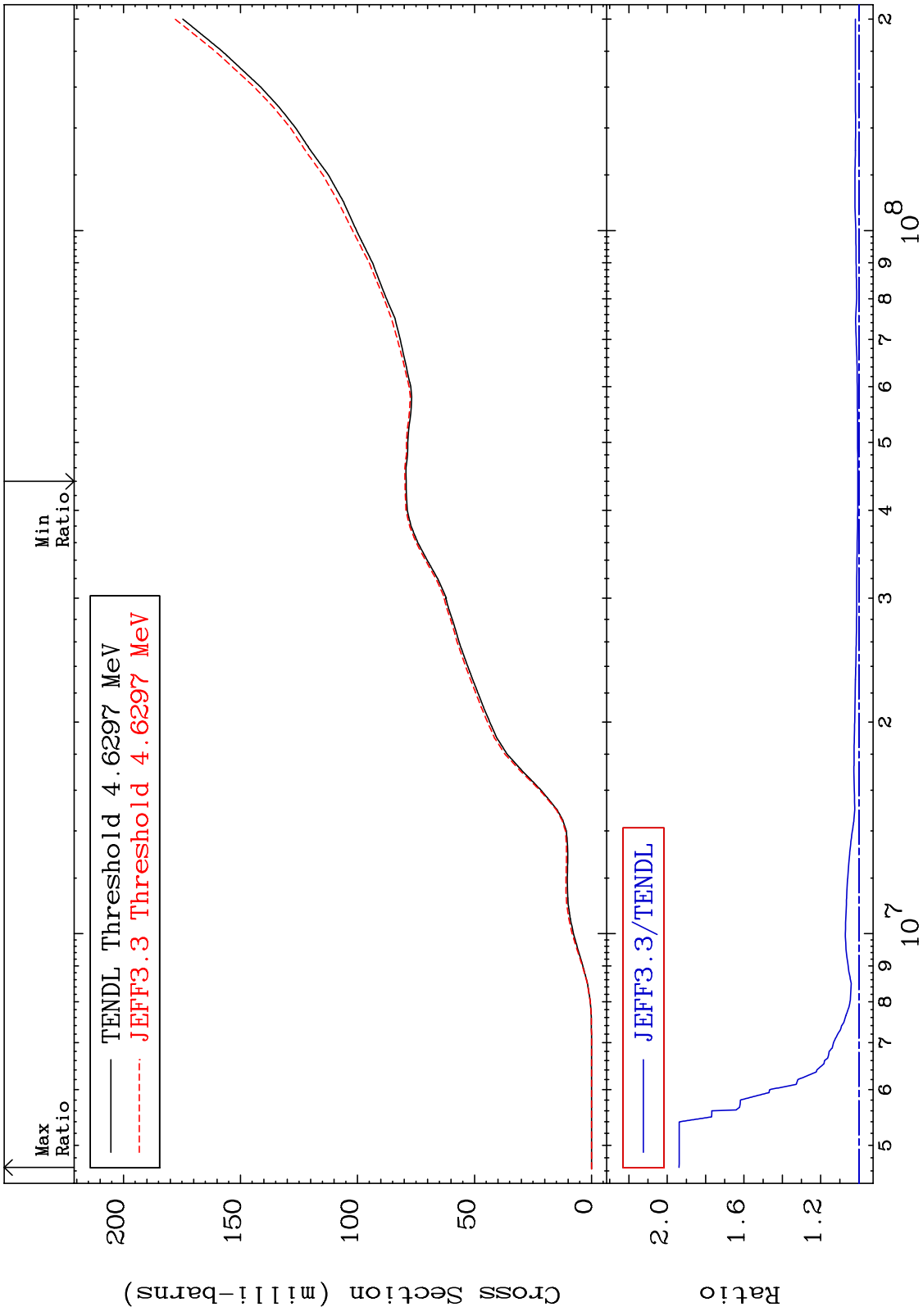


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Incident Energy (eV)

16-S -36

MAT 1637 He-4 Production Cross Section 16-S -36 To 93.82 %

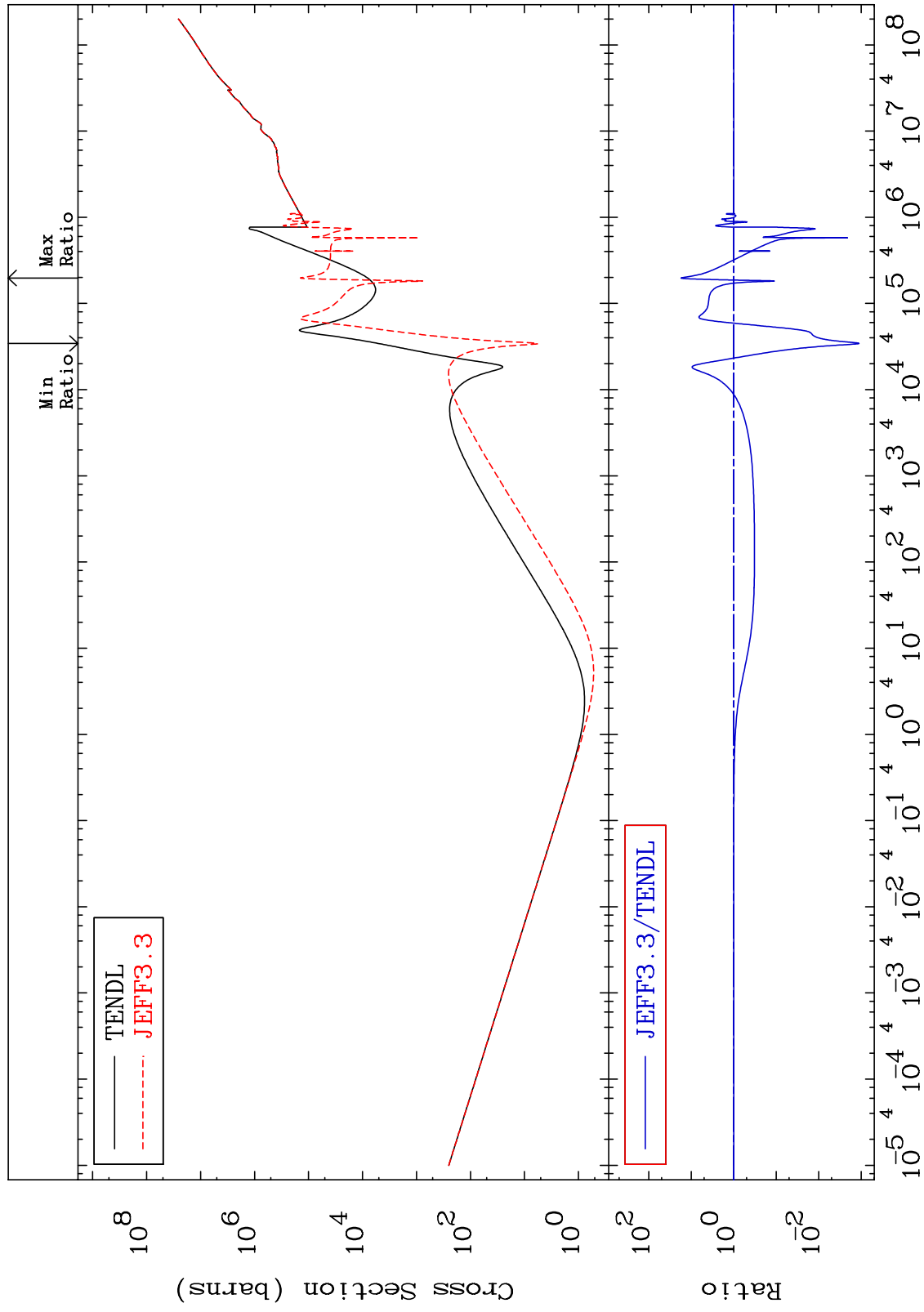


66 16-S -36

MAT 1637

Kerma total (eV-barns)  
Cross Section

16-S -36  
-99.89 To 1656. %



67

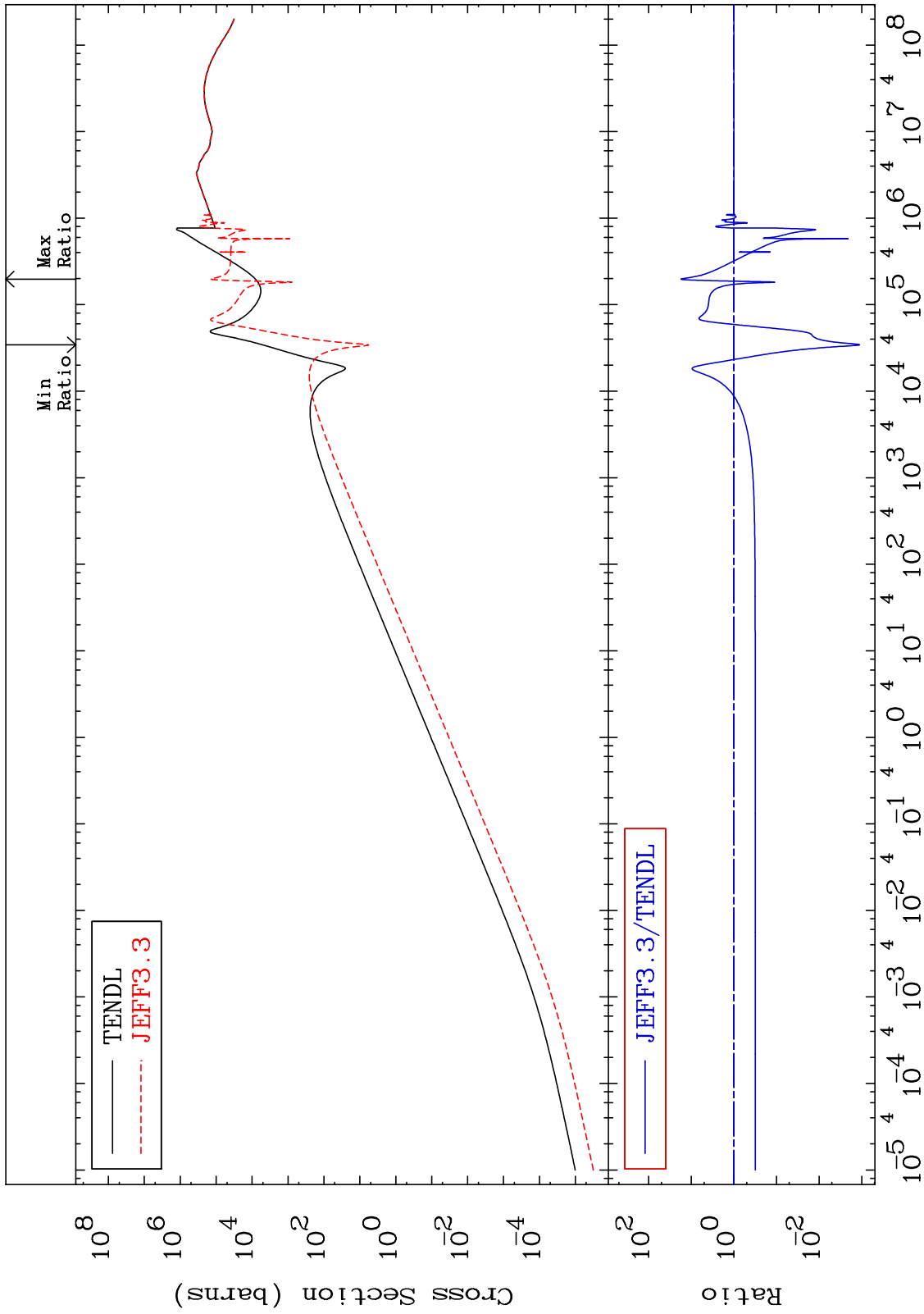
Incident Energy (eV)

16-S -36

MAT 1637

Kerma elastic  
Cross Section

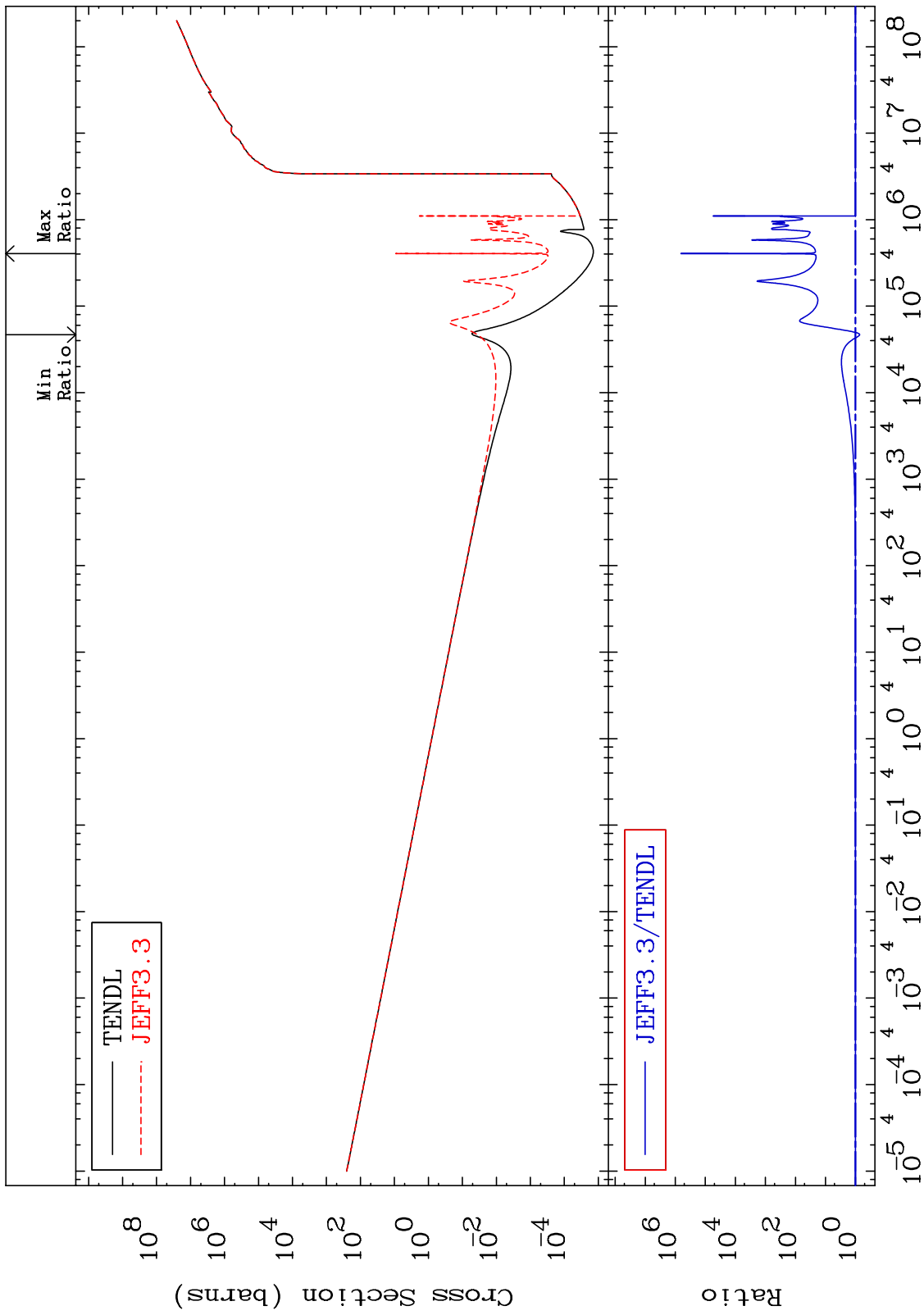
16-S -36  
-99.89 To 1656. %

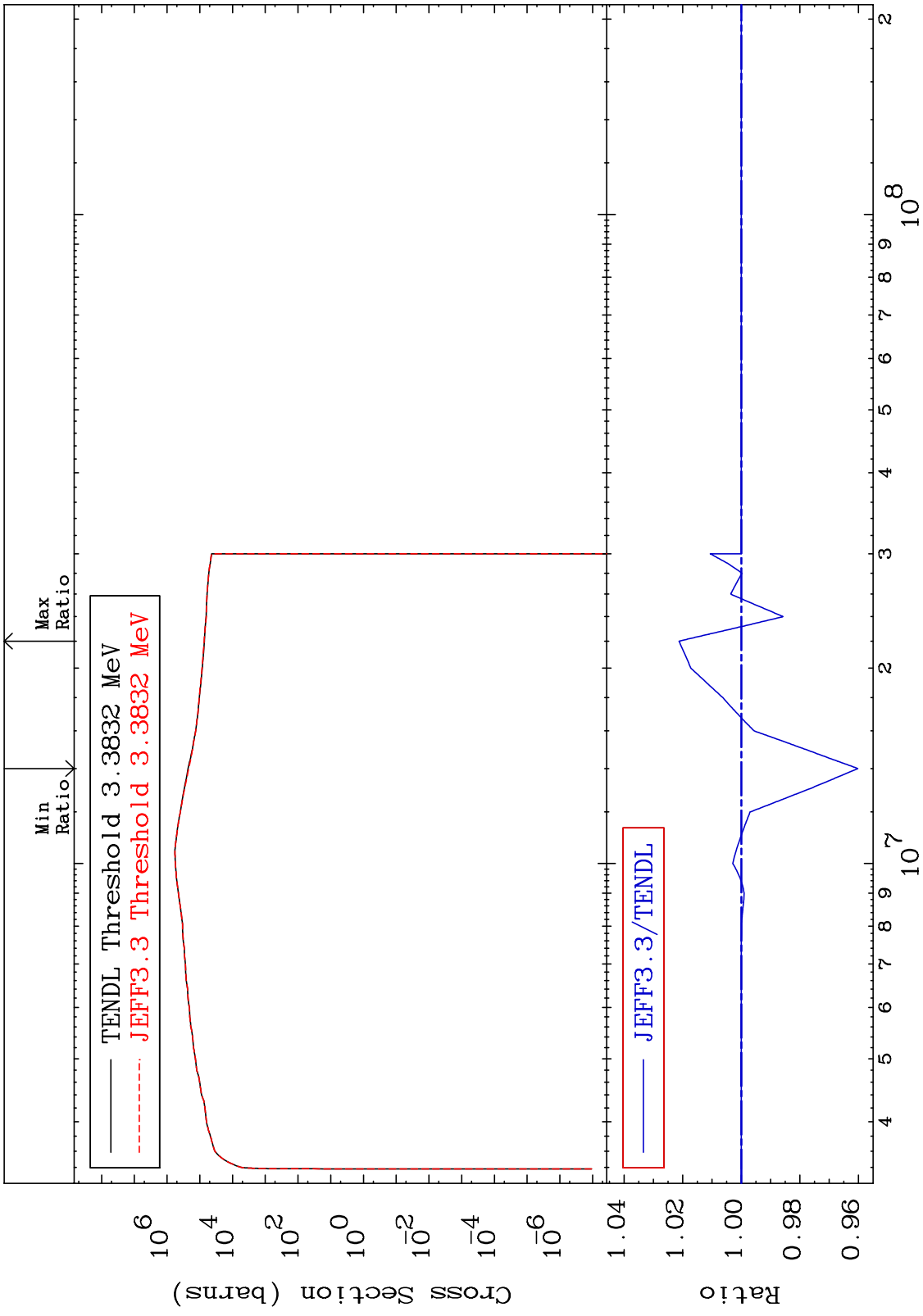


MAT 1637

Kerma non-elastic (all but mt.2)  
Cross Section

16-S -36  
-26.99 To 9999. %

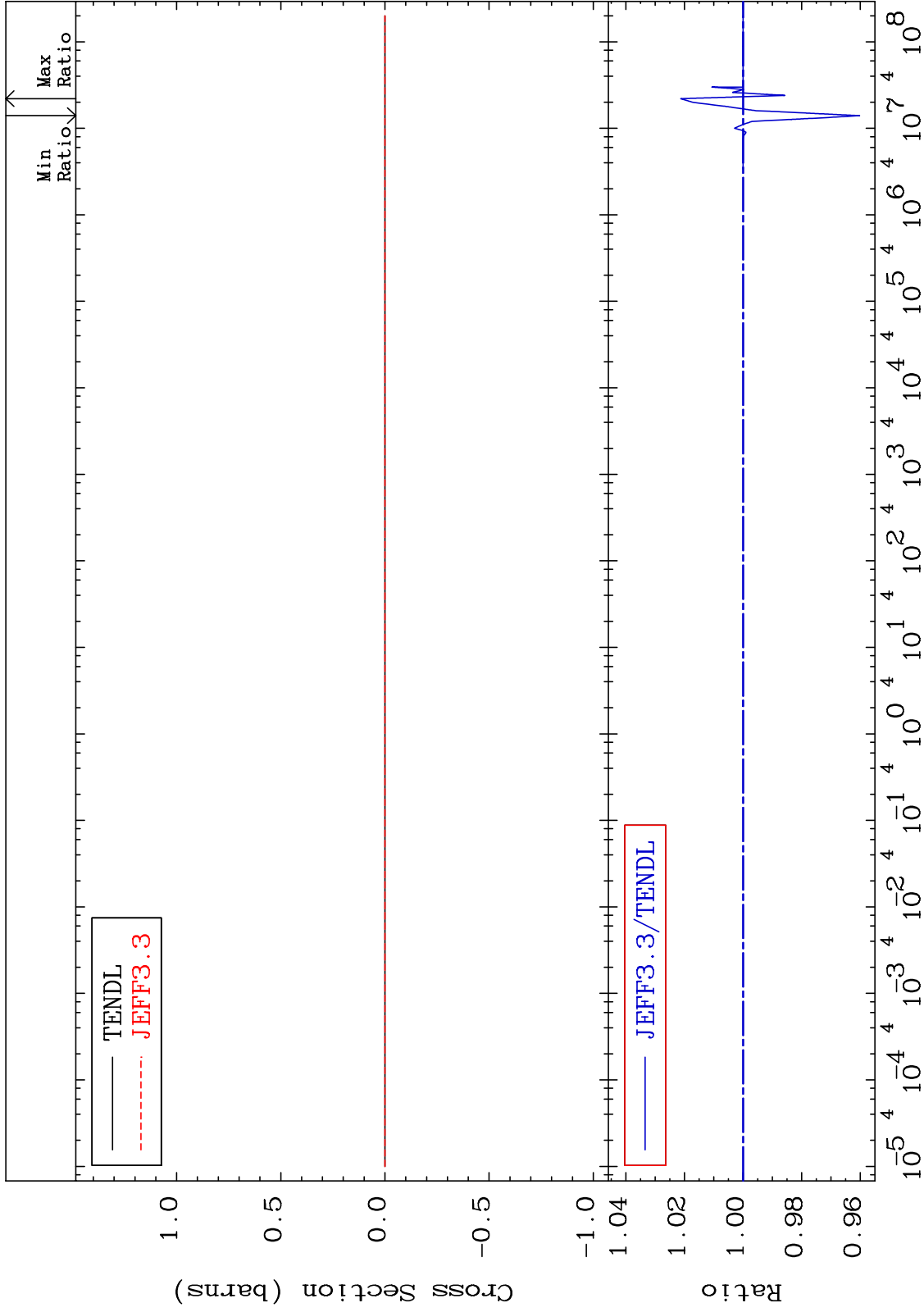




MAT 1637

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

16-S -36  
-3.977 To 2.128 %



71

Incident Energy (eV)

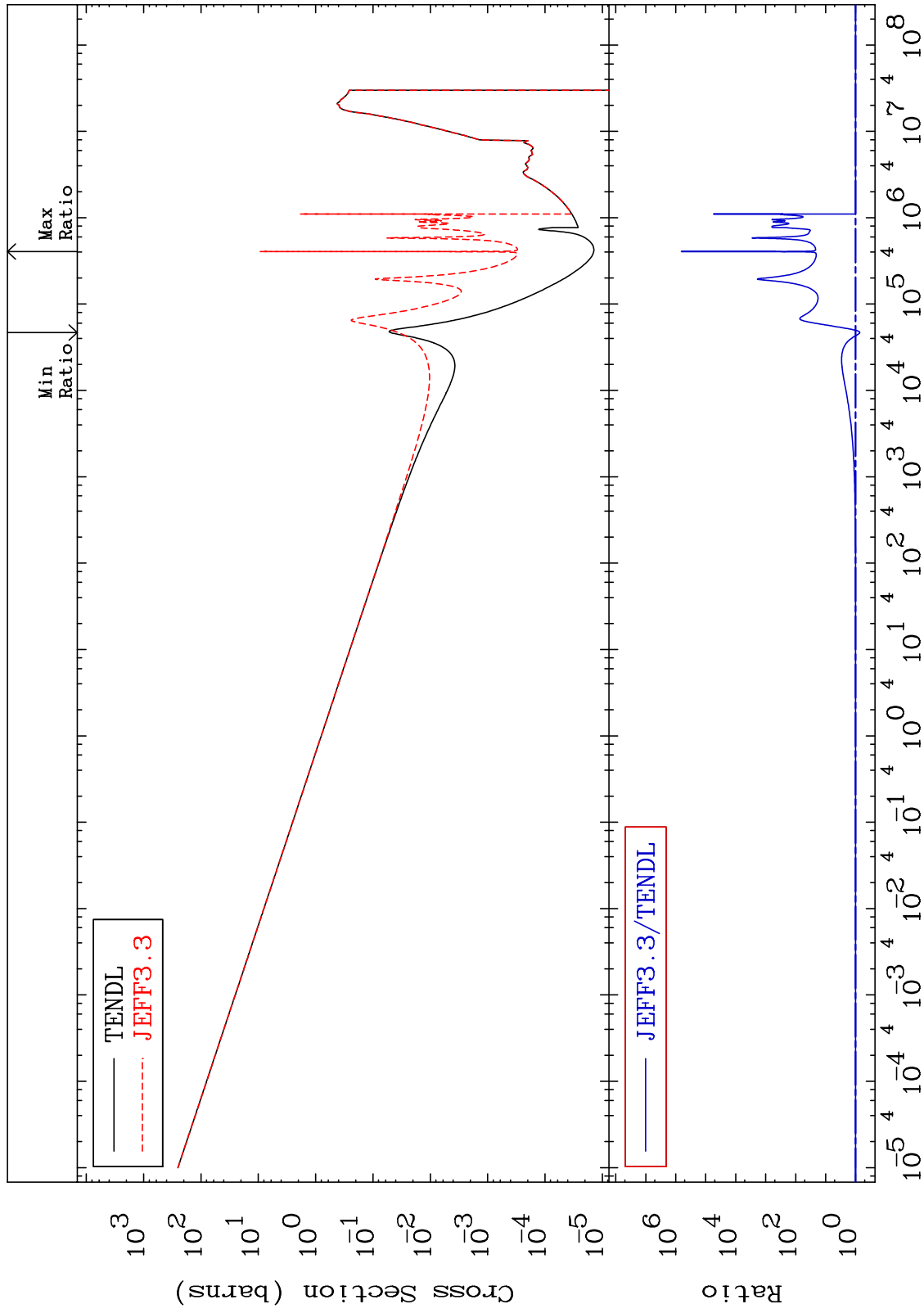
16-S -36



MAT 1637

Kerma capture (mt102)  
Cross Section

16-S -36  
-26.99 To 9999. %



72

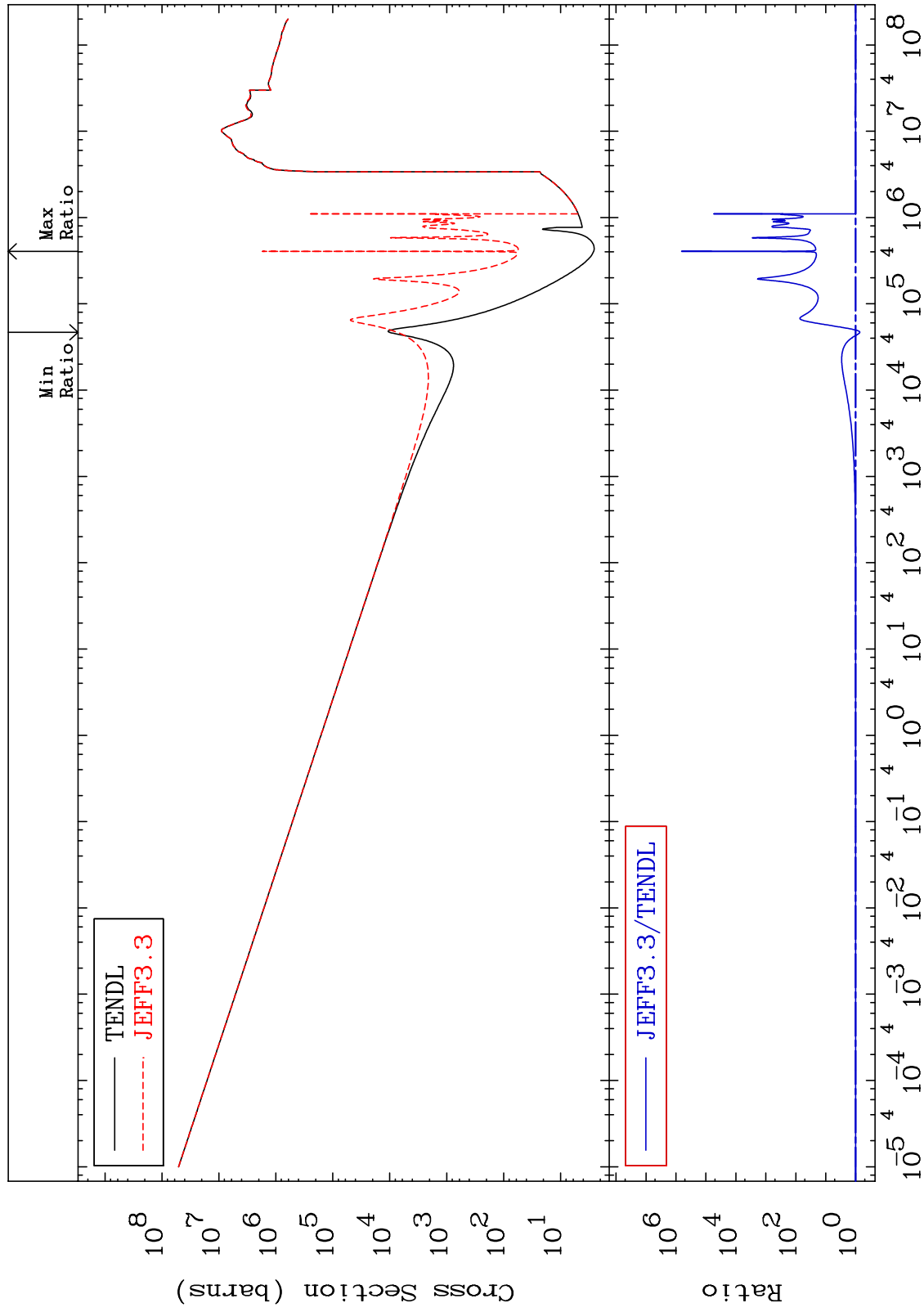
Incident Energy (eV)

16-S -36

MAT 1637

Total photon (eV-barns)  
Cross Section

16-S -36  
-26.99 To 9999. %

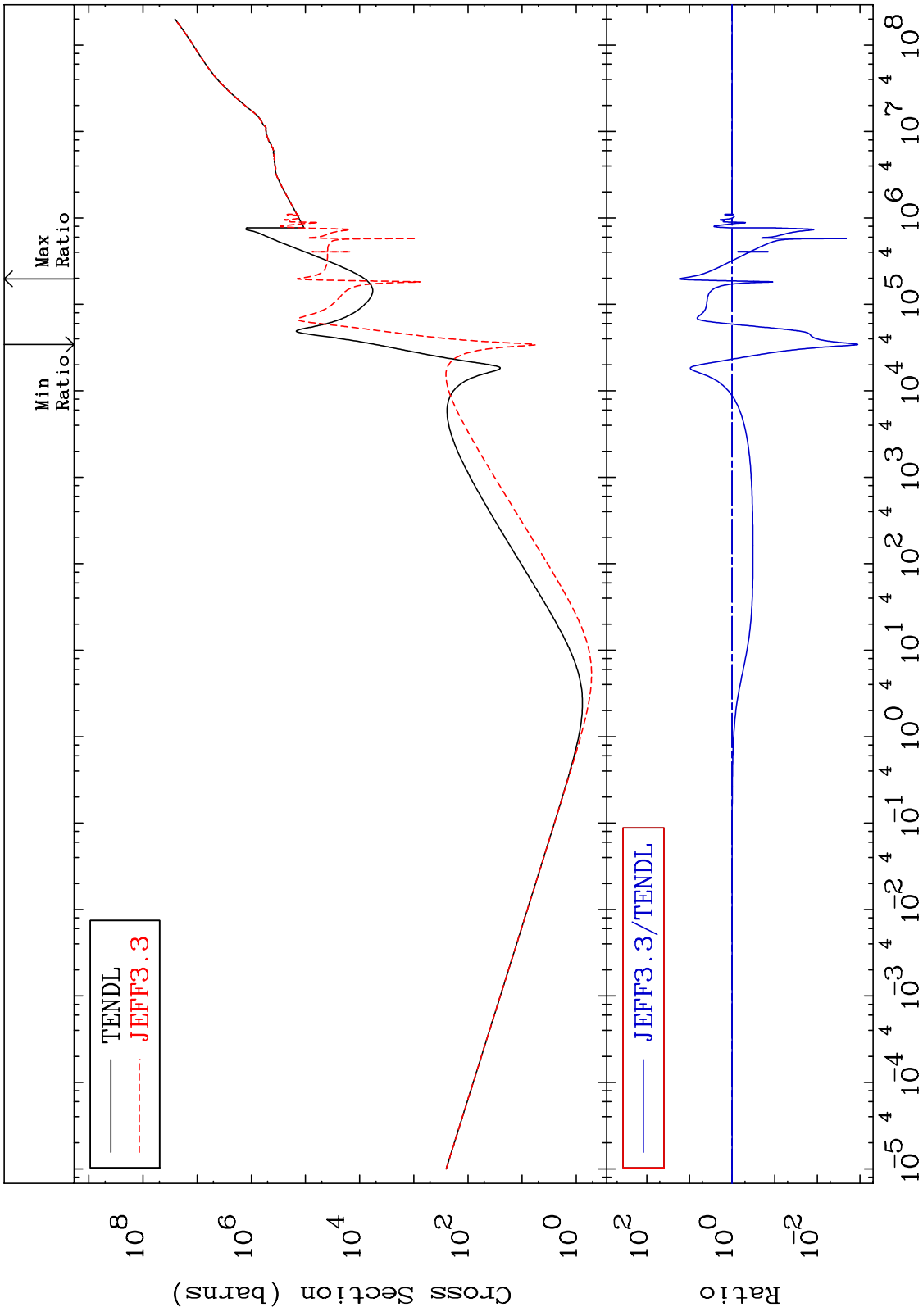


73

Incident Energy (eV)

16-S -36

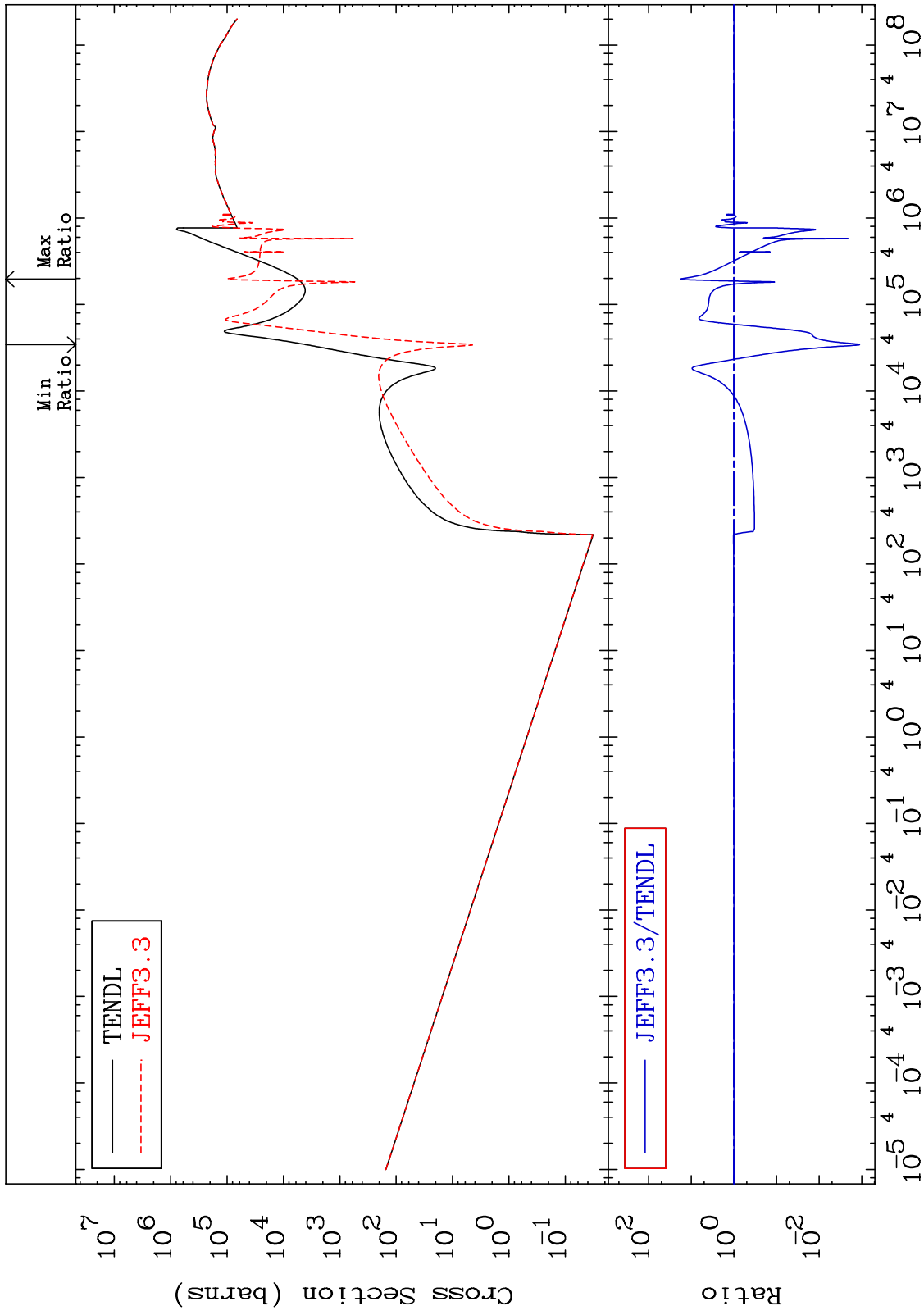
MAT 1637 Total kinematic kerma (high limit) Cross Section 16-S -36  
 -99.89 To 1656. %



MAT 1637

Dpa total (eV-barns)  
Cross Section

16-S -36  
-99.89 To 1656. %



75

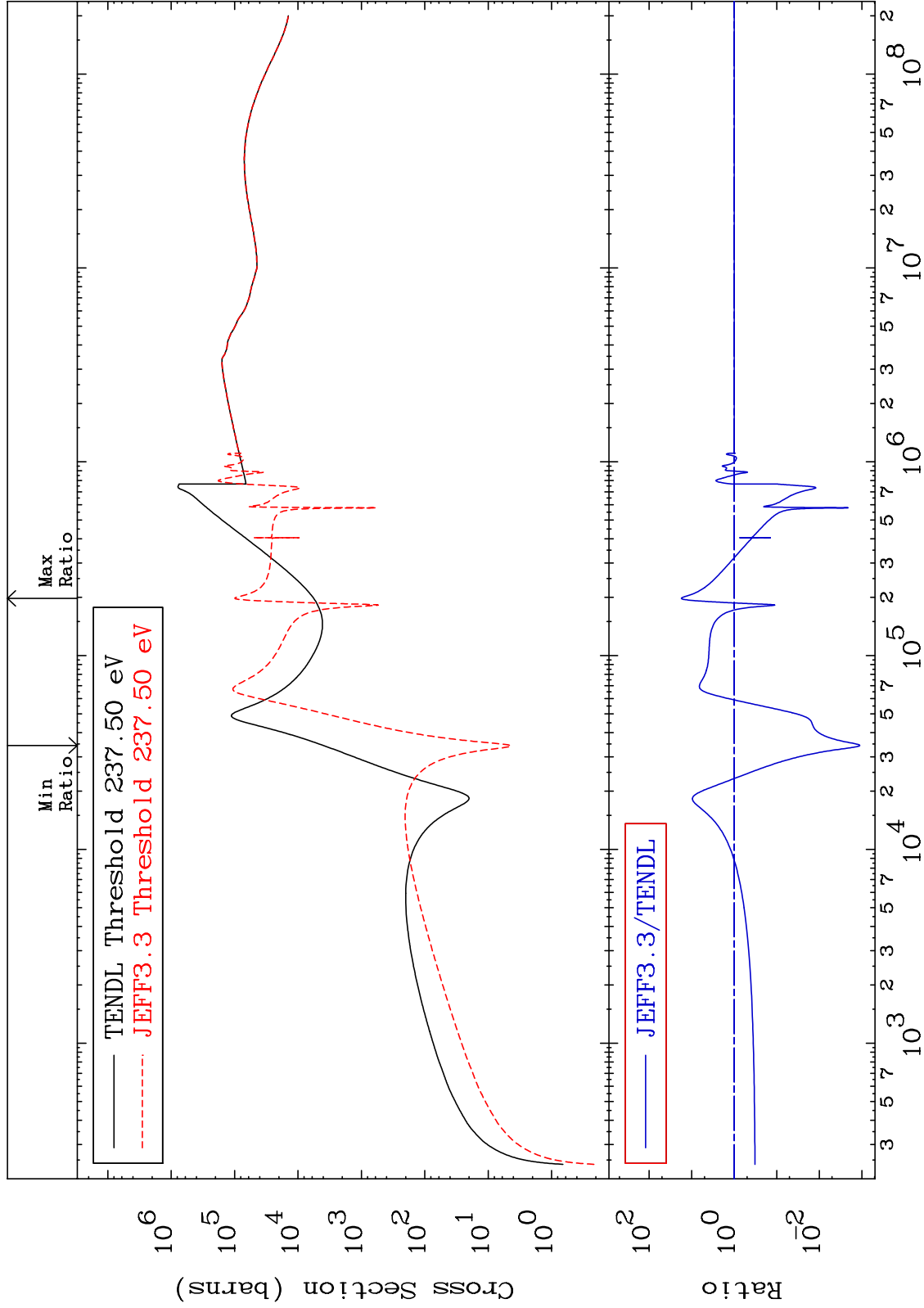
Incident Energy (eV)

16-S -36

MAT 1637

Dpa elastic (mt2)  
Cross Section

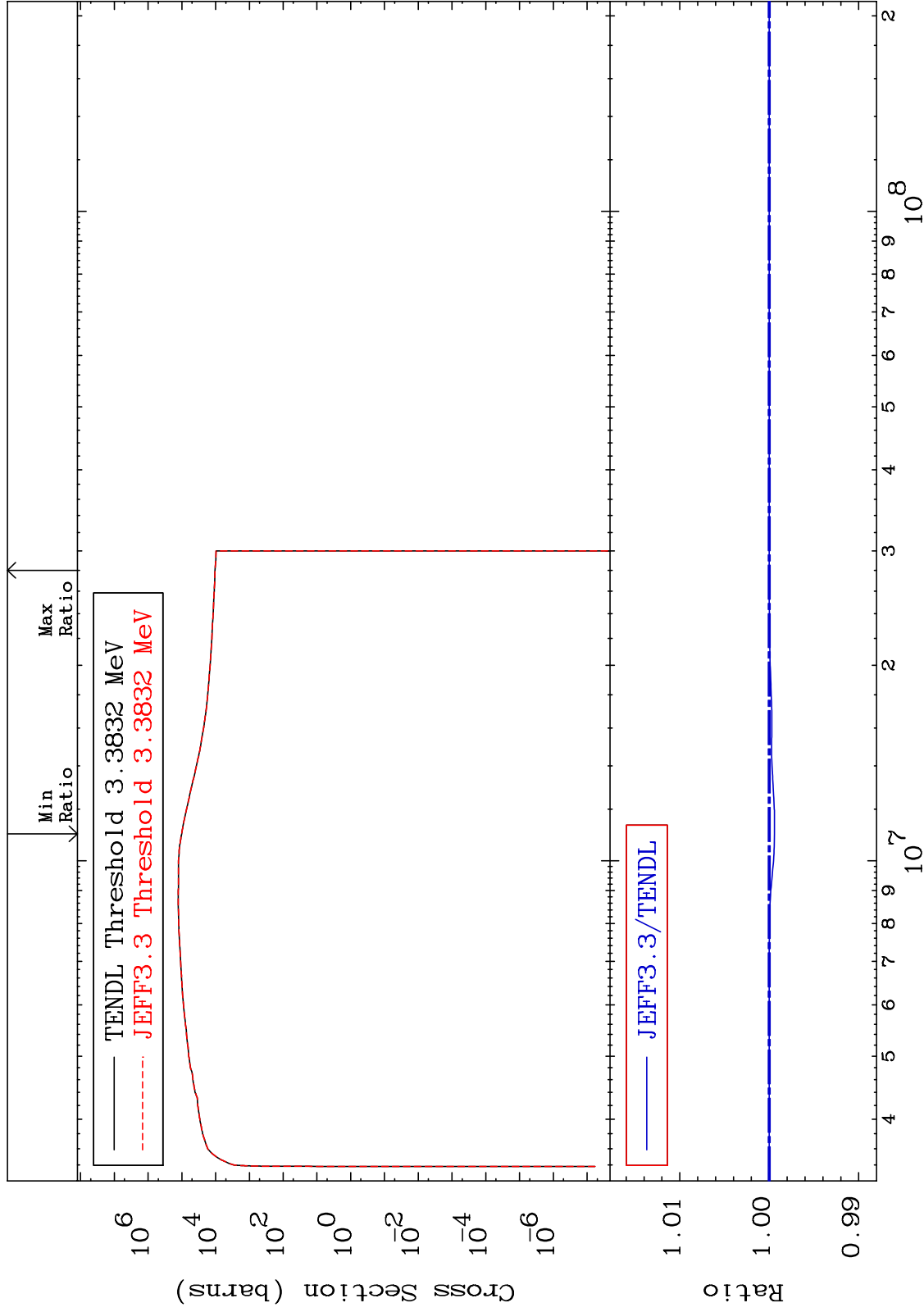
16-S -36  
-99.89 To 1656. %



MAT 1637

Dpa inelastic (mt51-91)  
Cross Section

16-S -36  
-0.059 To 0.000 %



77

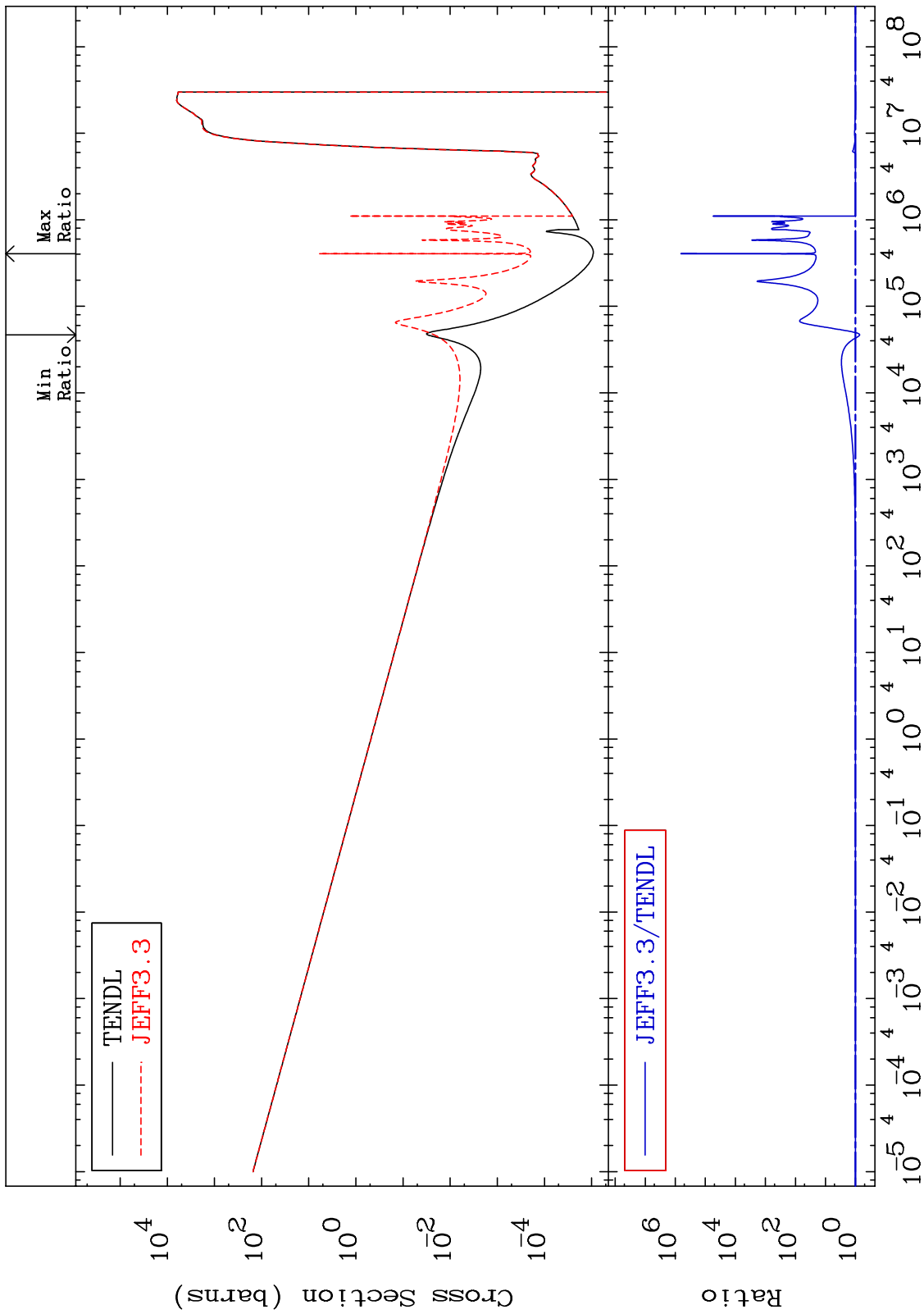
Incident Energy (eV)

16-S -36

MAT 1637

Dpa disappearance (mt102 -120)  
Cross Section

16-S -36  
-26.99 To 9999. %



78

Incident Energy (eV)

16-S -36