

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

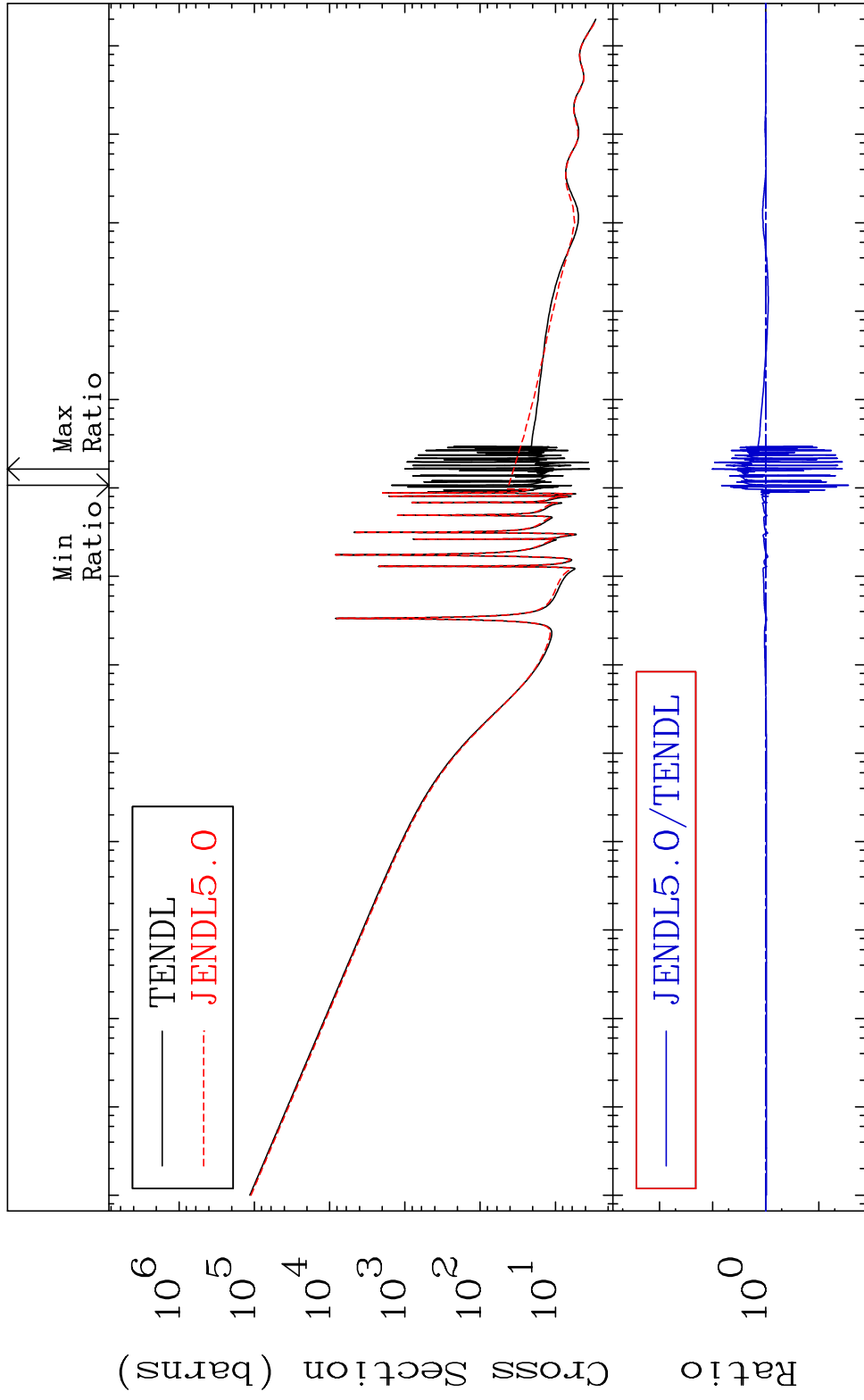
MAT 8034

Total

80-Hg-199

Cross Section

-97.23 To 913.3 %



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

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

Incident Energy (eV)

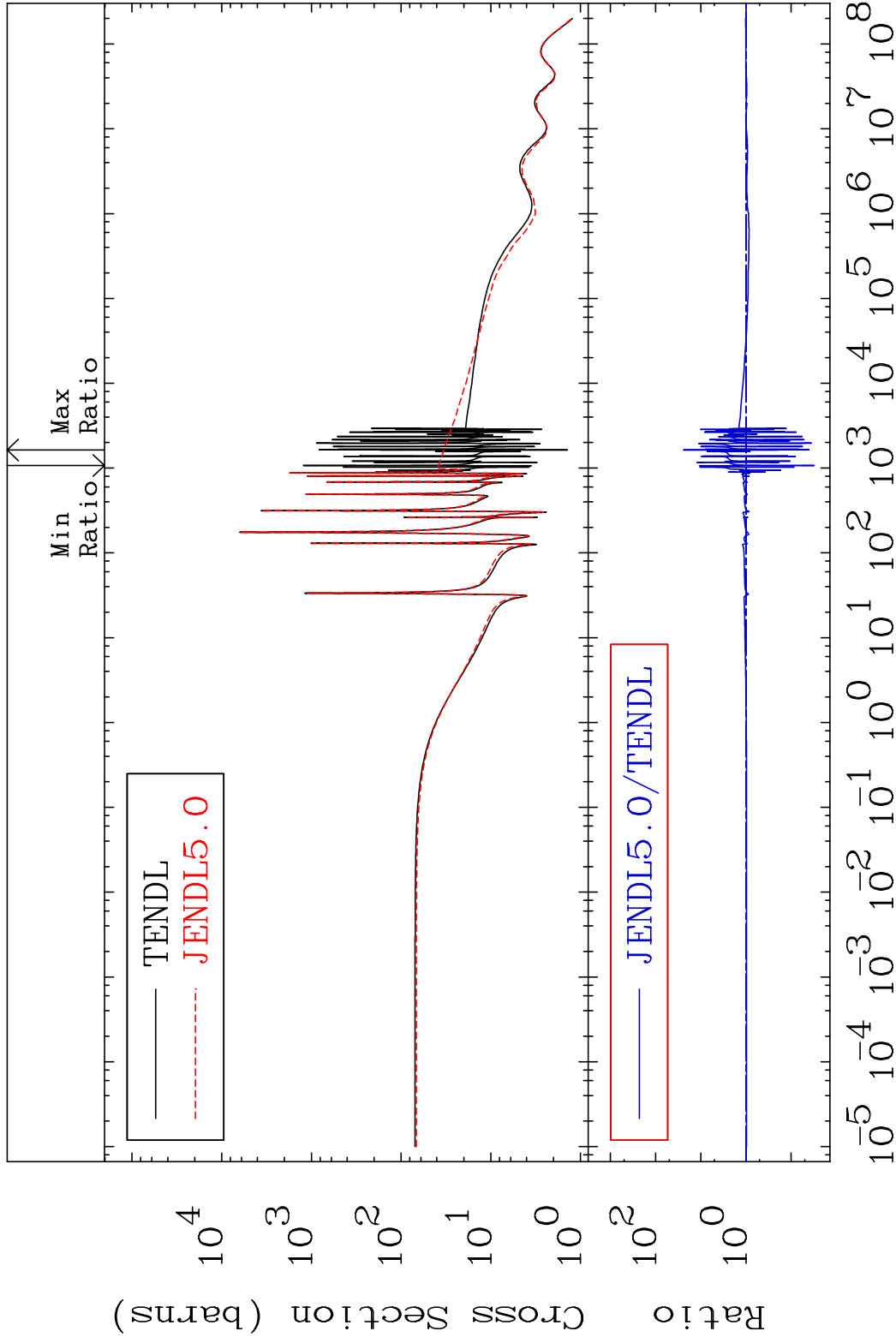
80-Hg-199

MAT 8034

Elastic

80-Hg-199

Cross Section -96.89 To 2294. %

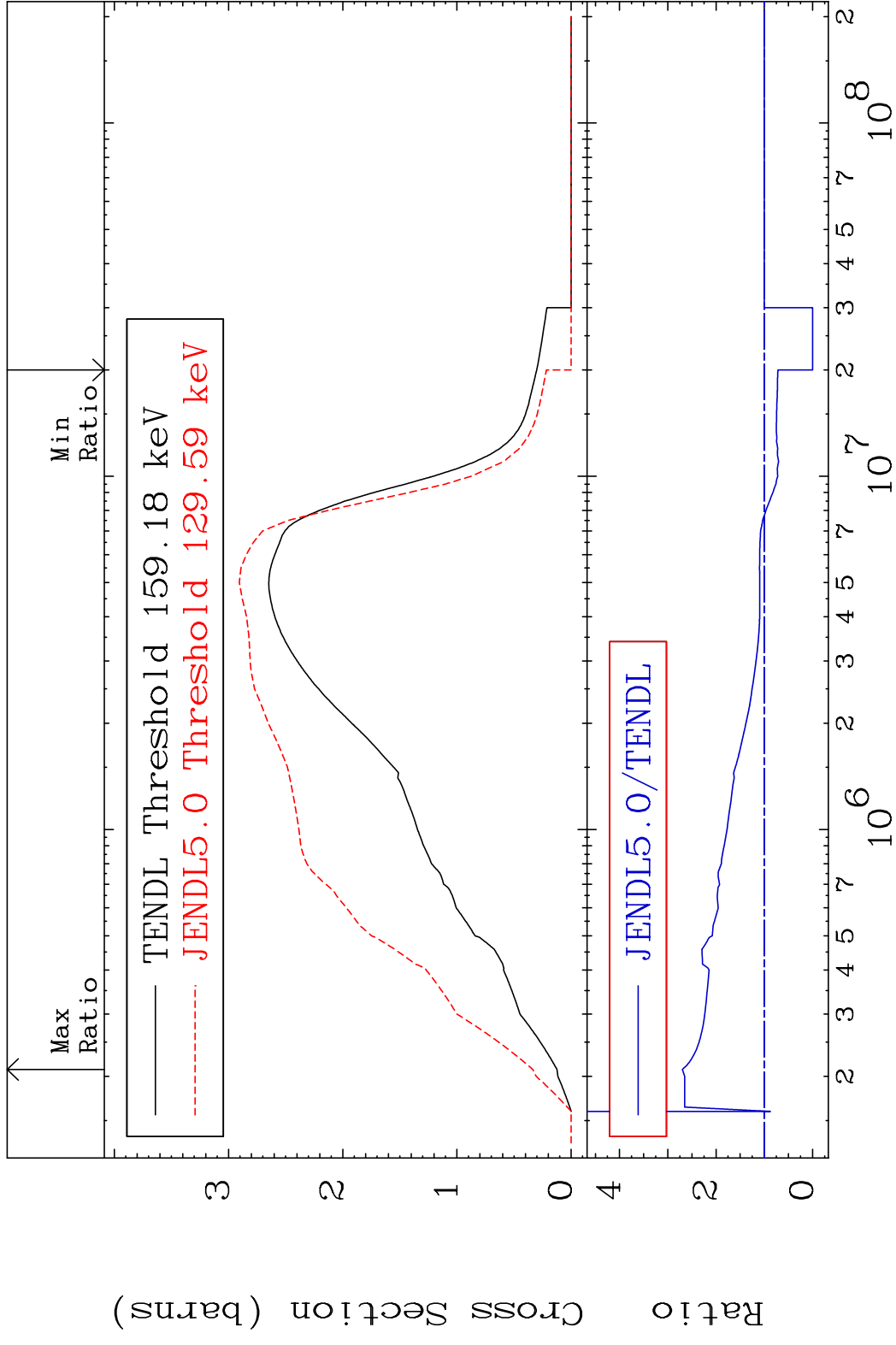


2

Incident Energy (eV)

80-Hg-199

MAT 8034 Inelastic 80-Hg-199  
 Cross Section -100.0 To 169.8 %

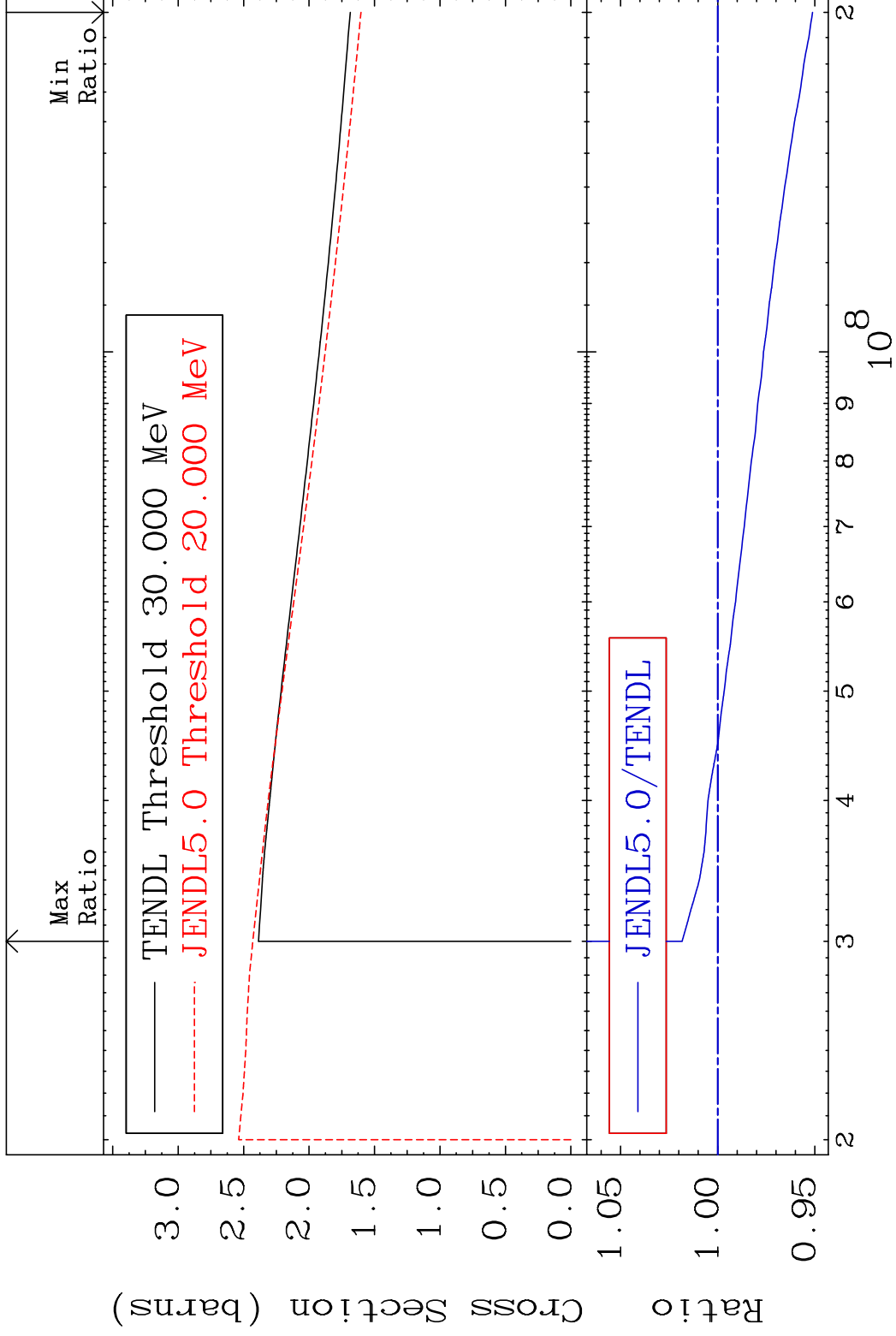


MAT 8034

(n, remainder)

80-Hg-199

Cross Section -4.877 To 1.829 %



4

Incident Energy (eV)

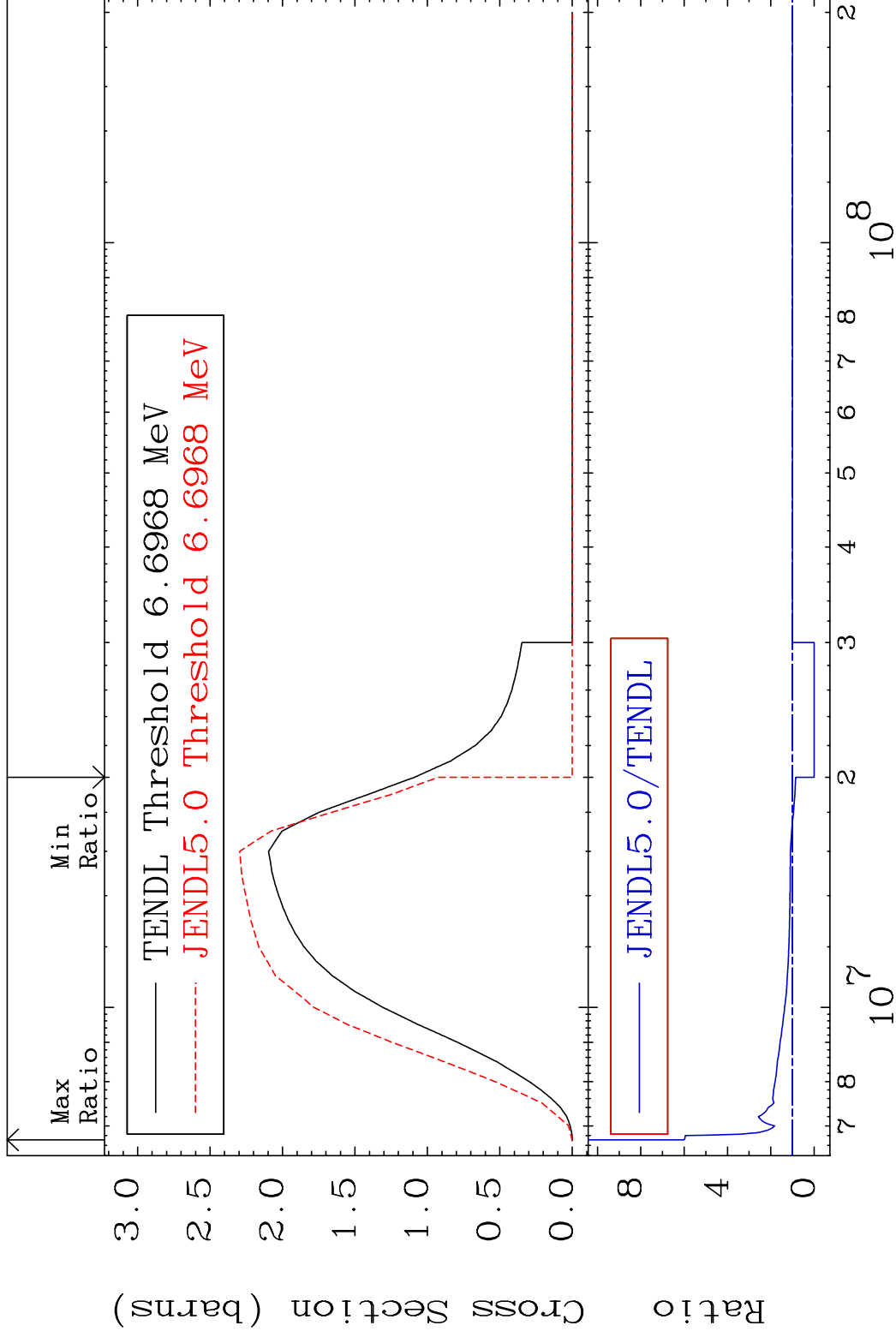
80-Hg-199

MAT 8034

(n,2n)

80-Hg-199

Cross Section -100.0 To 502.2 %



5

Incident Energy (eV)

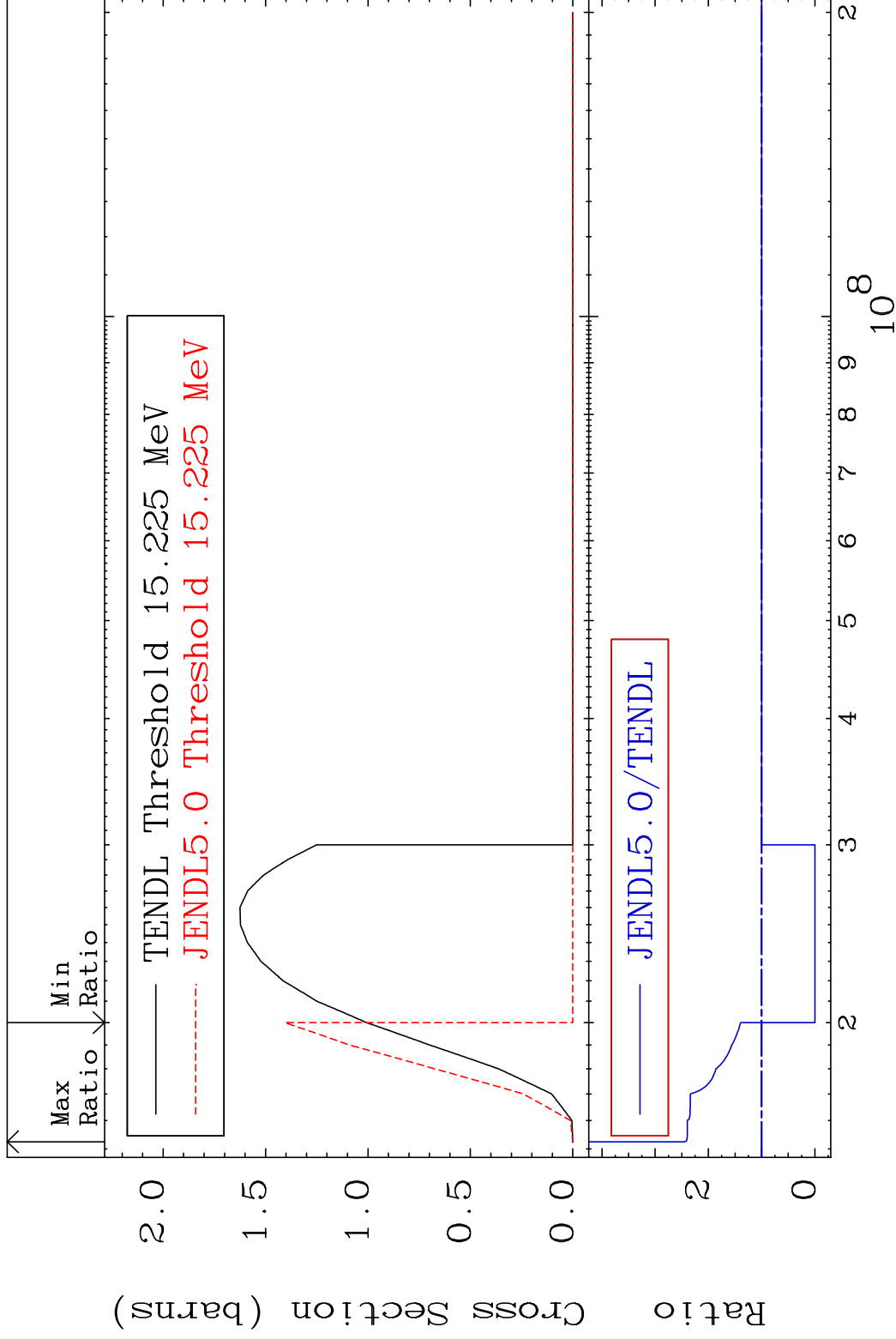
80-Hg-199

MAT 8034

(n,3n)

80-Hg-199

Cross Section -100.0 To 145.3 %



6

Incident Energy (eV)

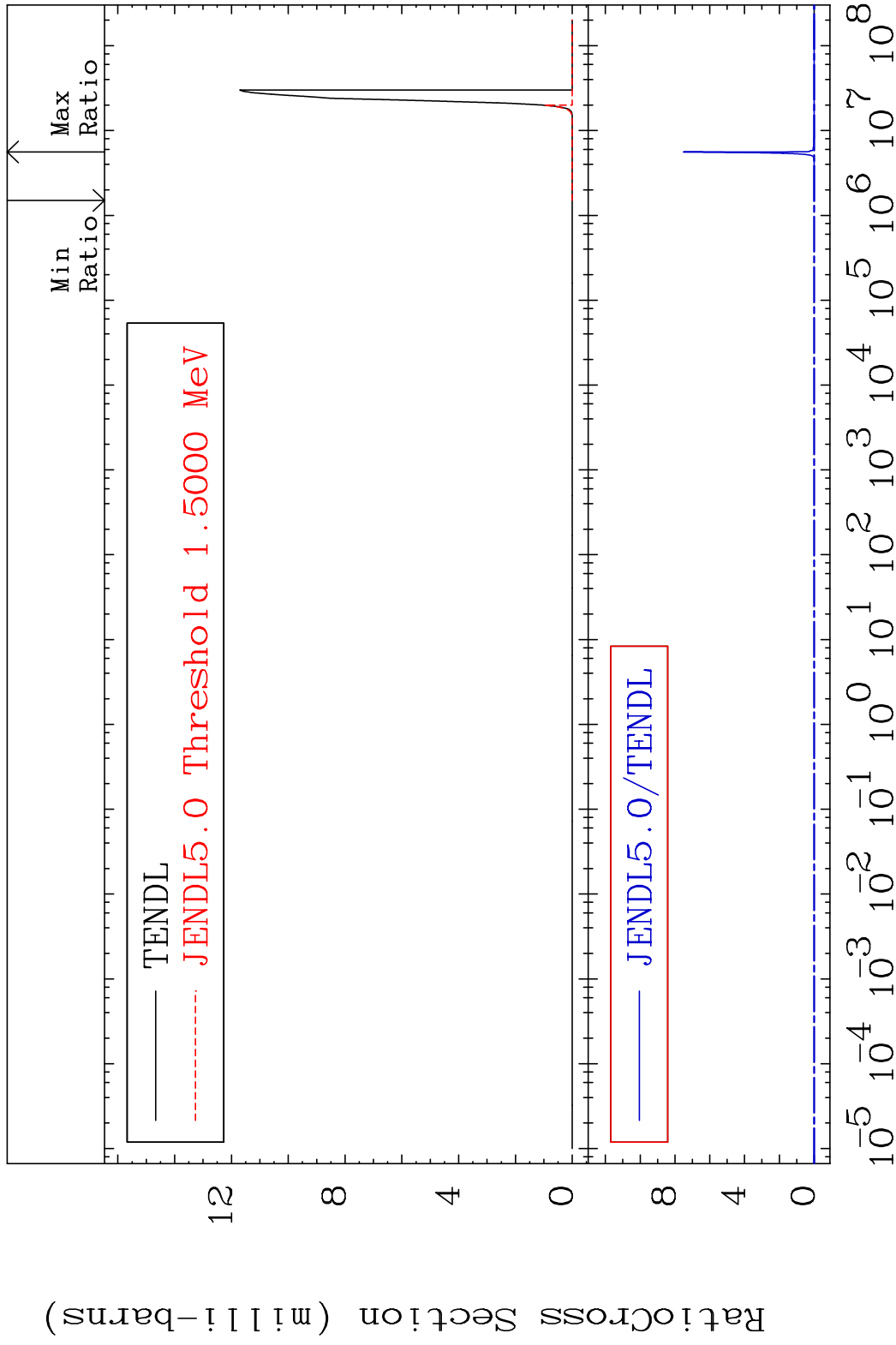
80-Hg-199

MAT 8034

(n, n')  $\alpha$

80-Hg-199

Cross Section -100.0 To 9999. %



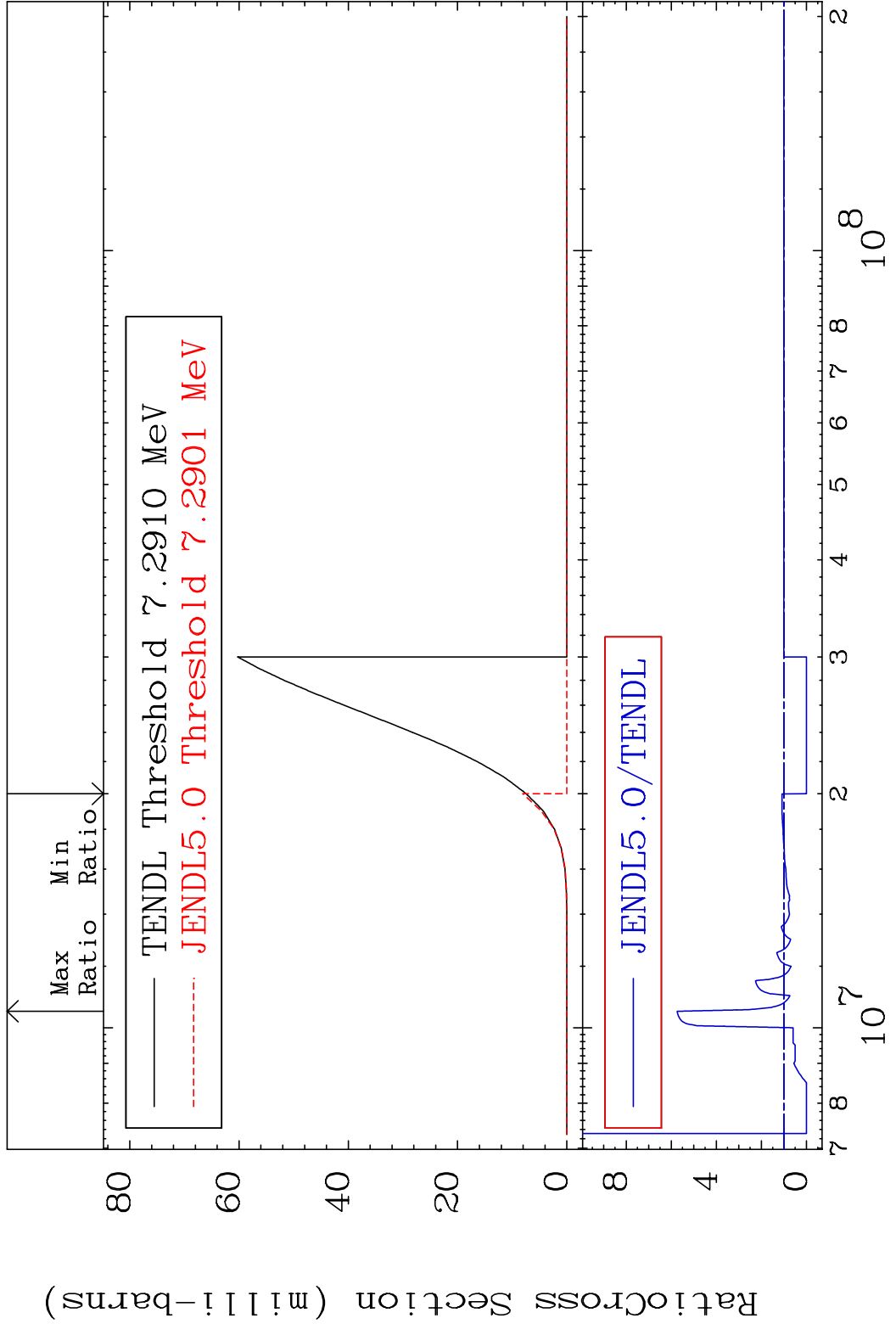
7

Incident Energy (eV)

80-Hg-199



MAT 8034 (n, n') p 80-Hg-199  
 Cross Section -100.0 To 473.7 %



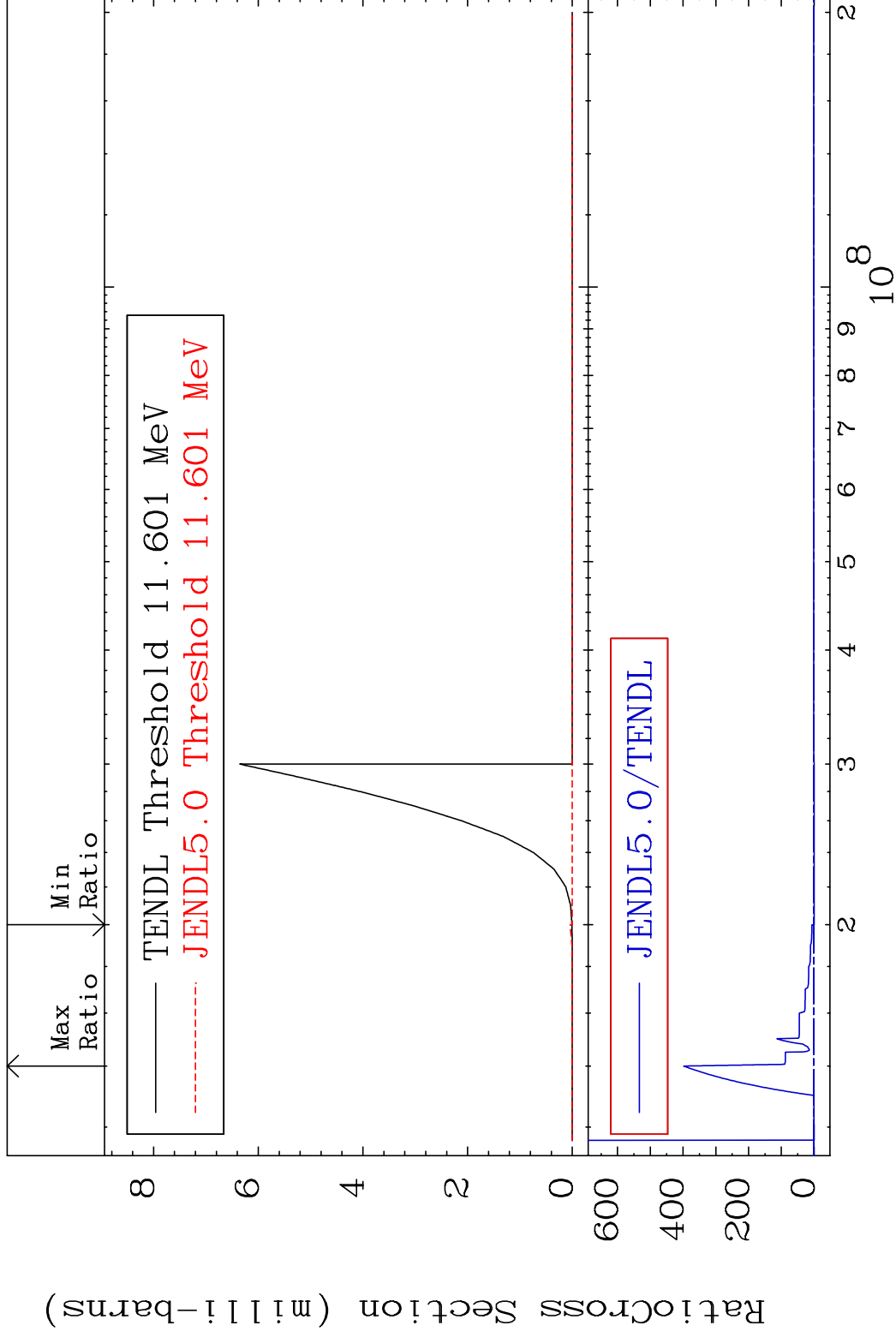
80-Hg-199

MAT 8034

(n, n') d

80-Hg-199

Cross Section -100.0 To 9999. %

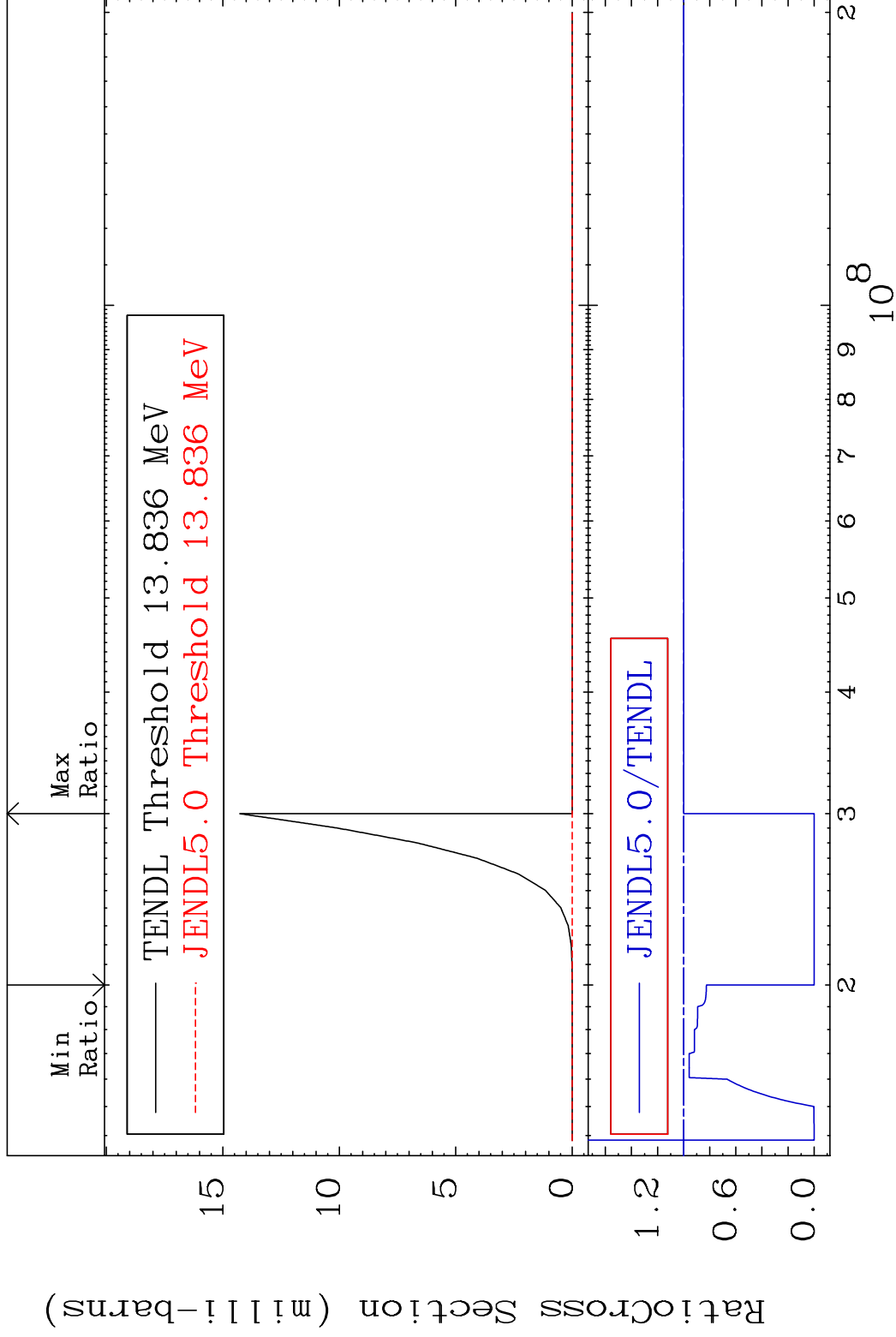


MAT 8034

(n,2n) p

80-Hg-199

Cross Section -100.0 To 0.000 %

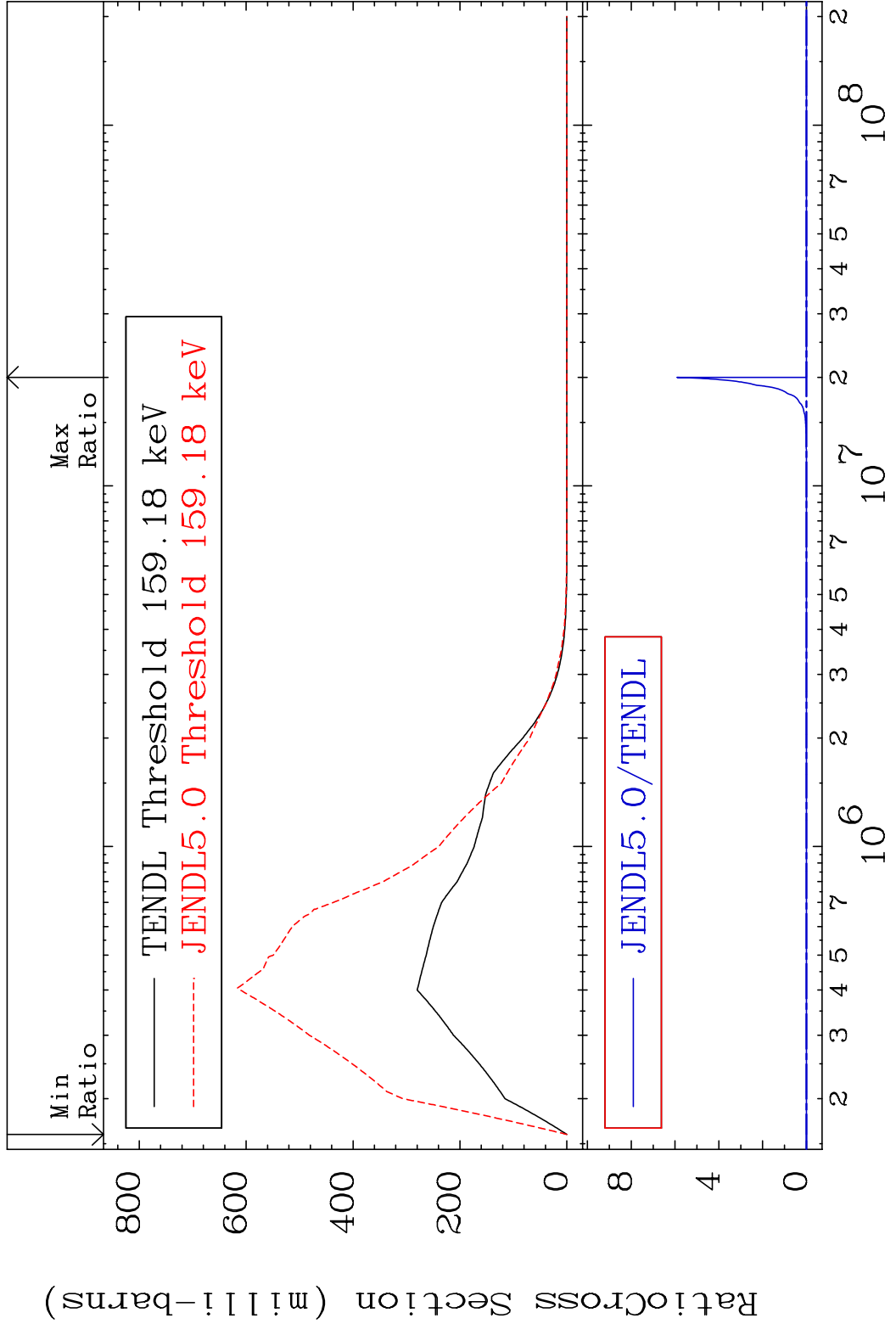


10

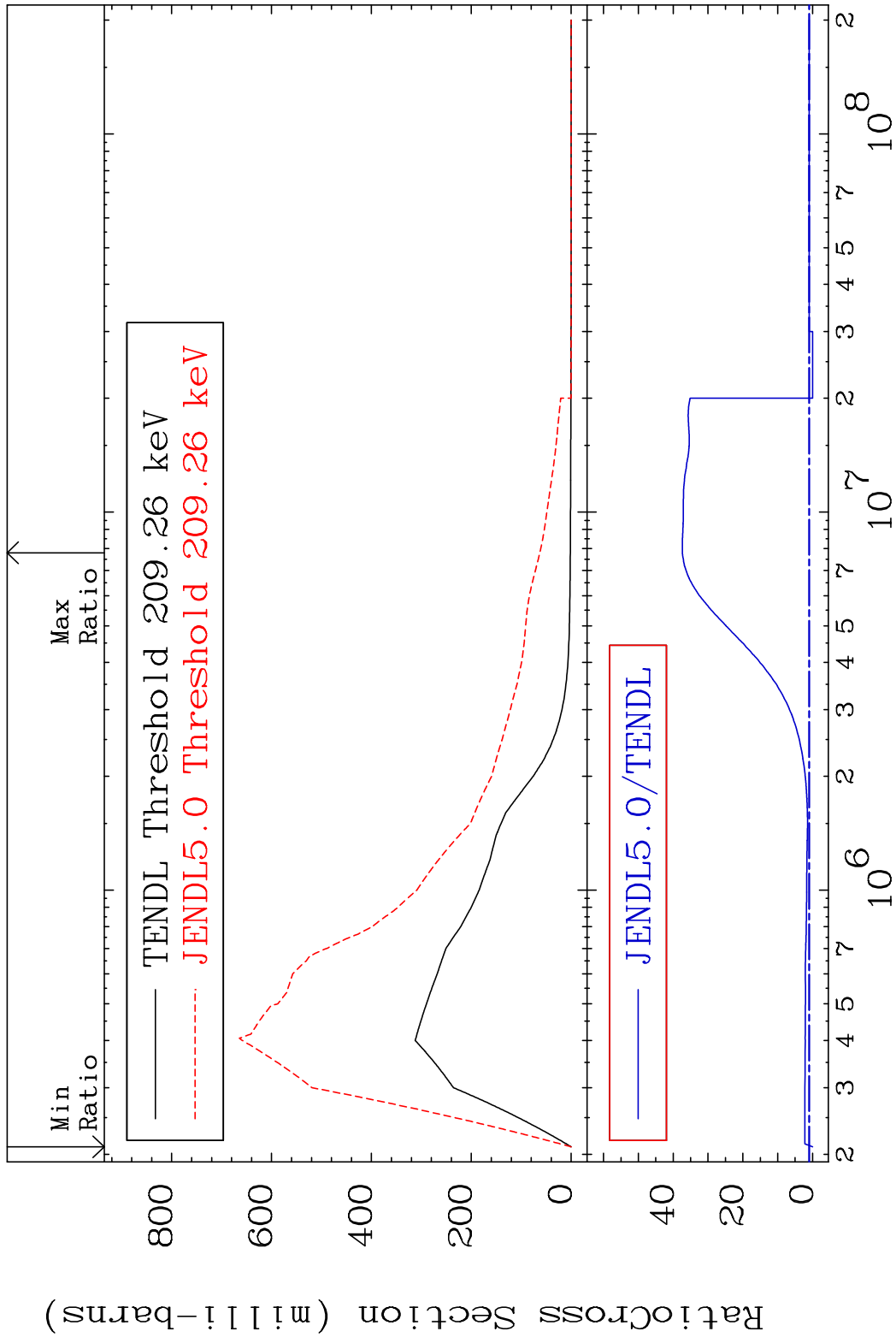
Incident Energy (eV)

80-Hg-199

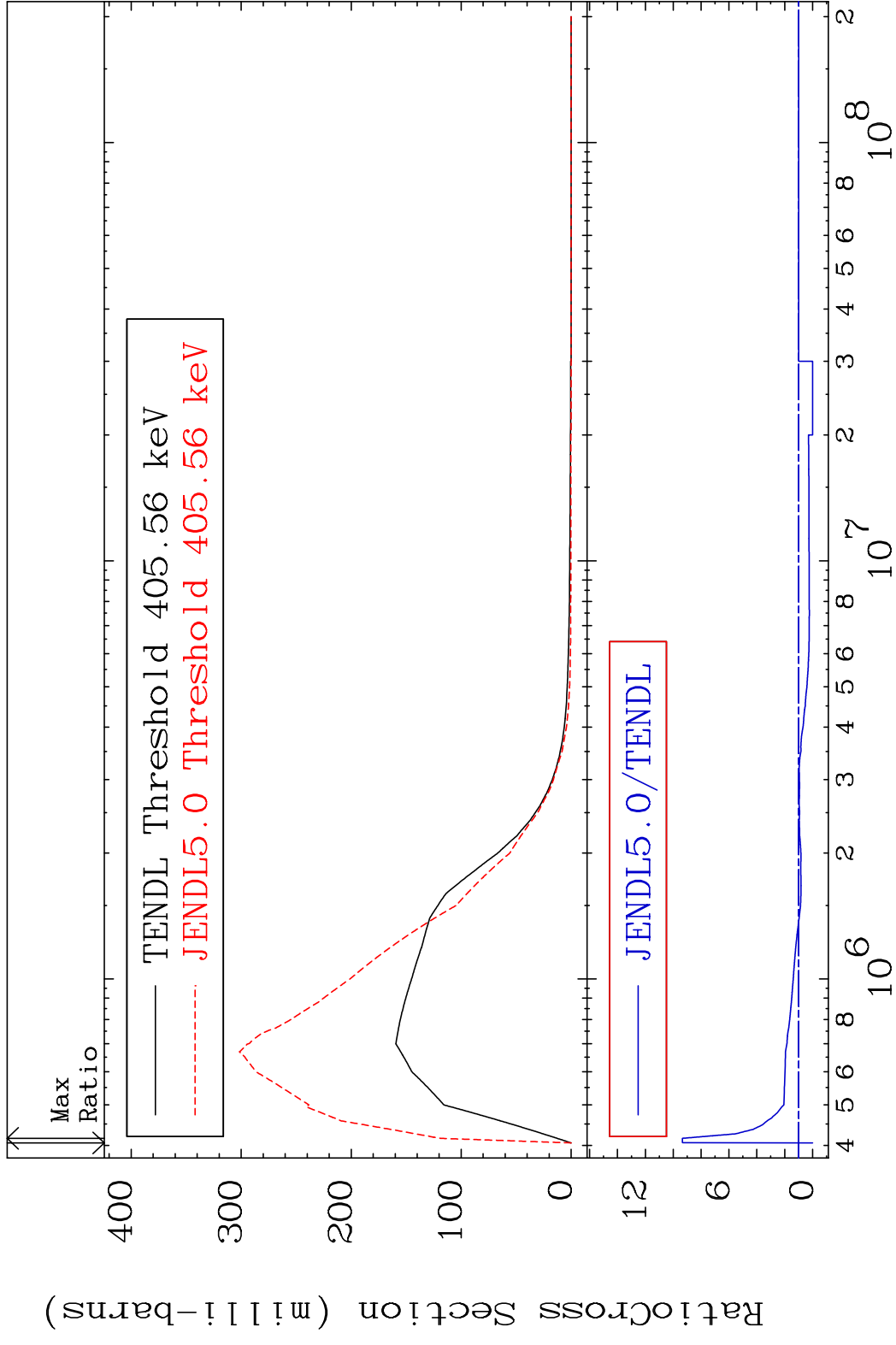
MAT 8034 MT= 51 (n, n') Level 80-Hg-199  
 Cross Section -100.0 To 9999. %



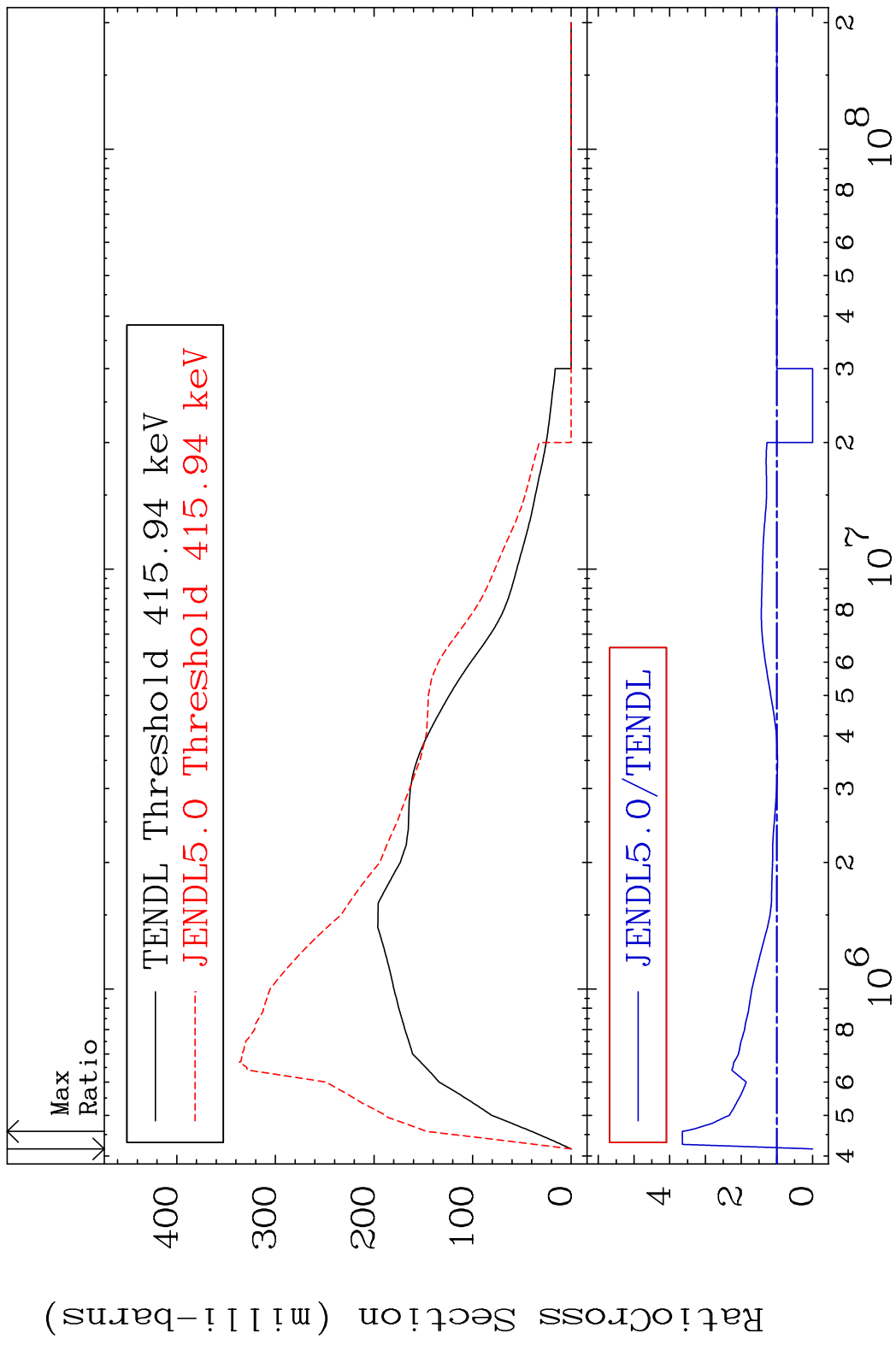
MAT 8034 MT= 52 (n, n') Level 80-Hg-199  
 Cross Section -100.0 To 3637. %



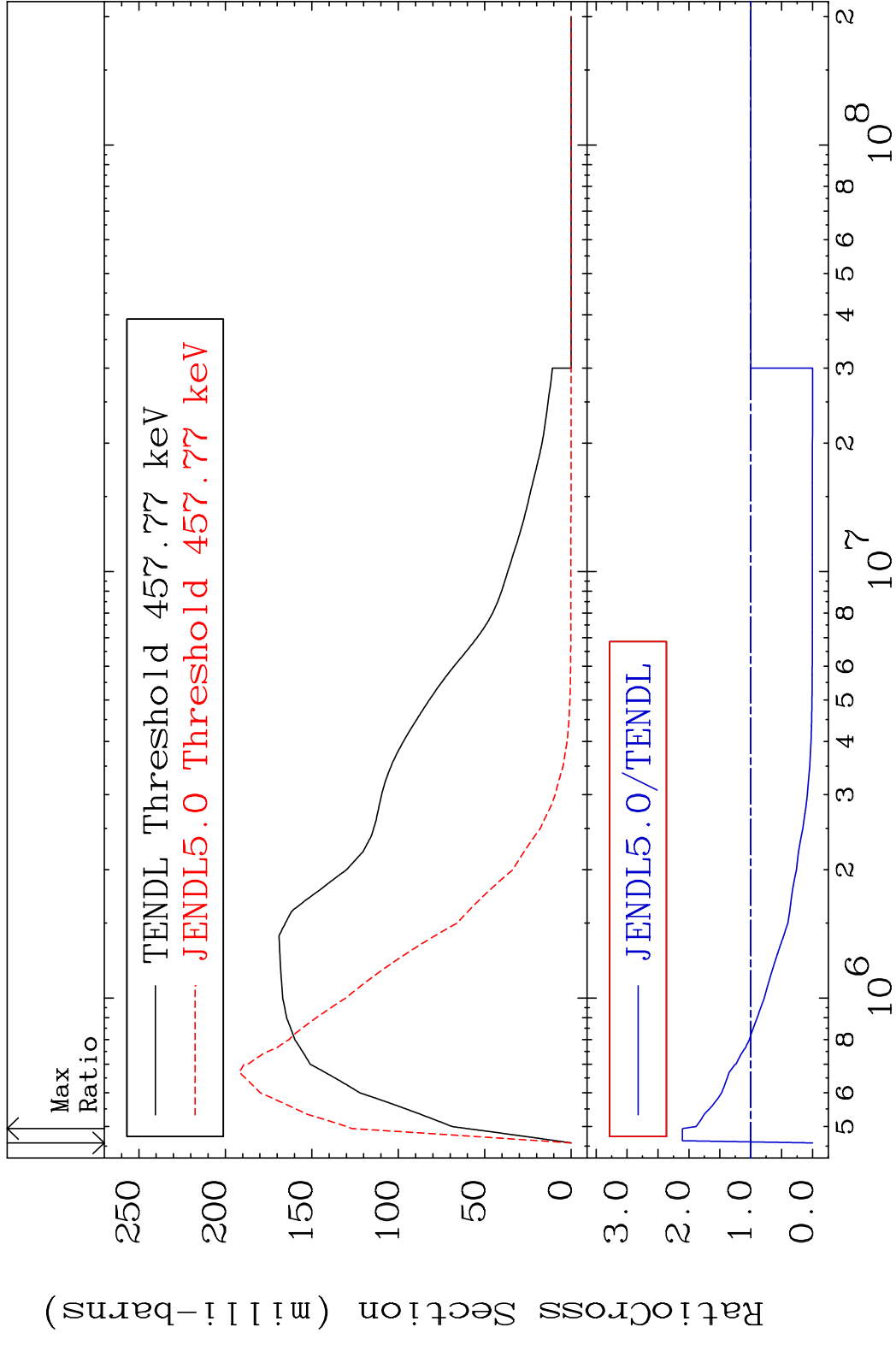
MAT 8034 MT= 53 (n, n') Level 80-Hg-199  
 Cross Section -100.0 To 834.5 %



MAT 8034 MT= 54 (n, n') Level 80-Hg-199  
 Cross Section -100.0 To 264.6 %

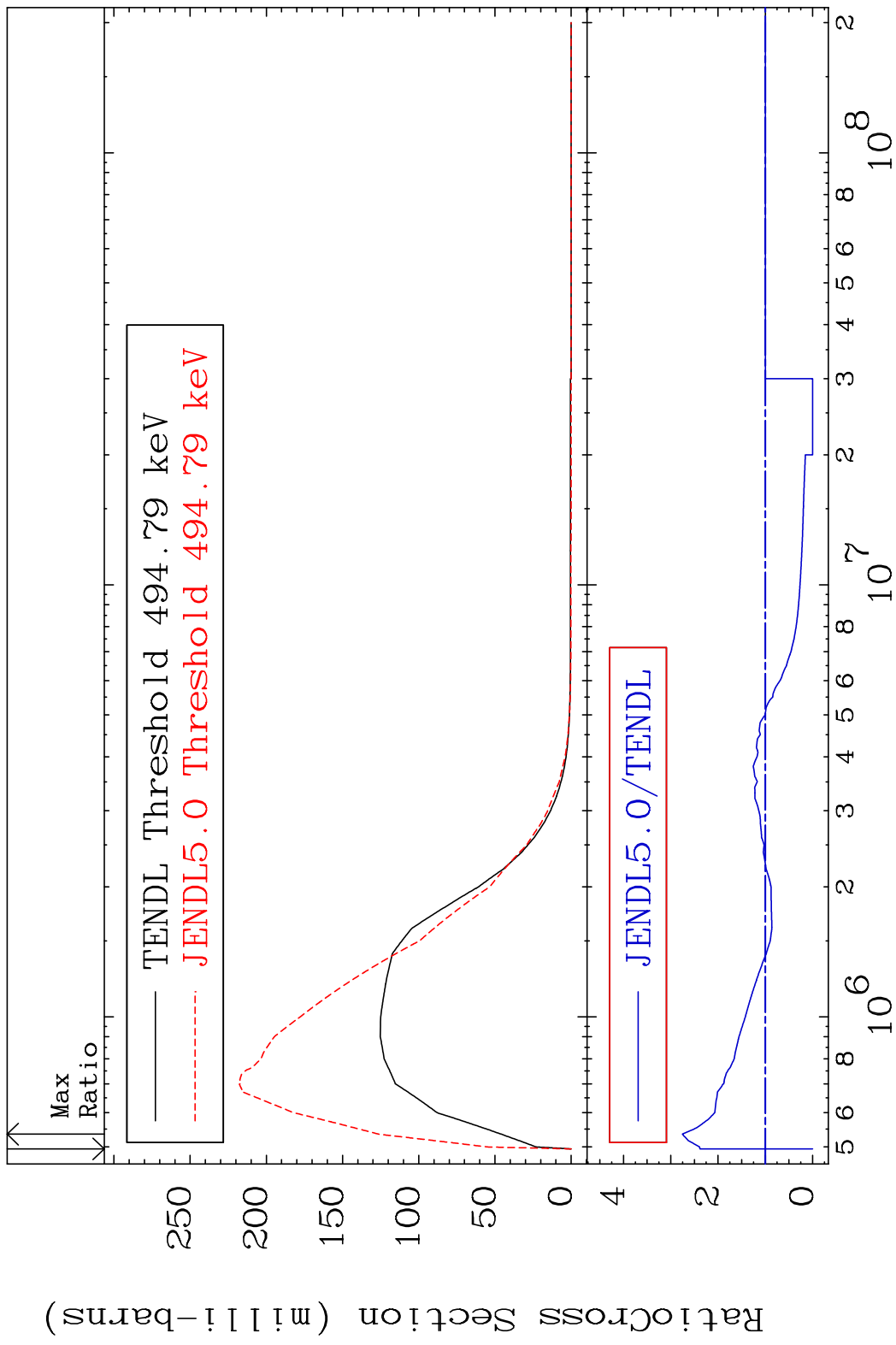


MAT 8034 MT= 55 (n, n') Level 80-Hg-199  
 Cross Section -100.0 To 110.6 %

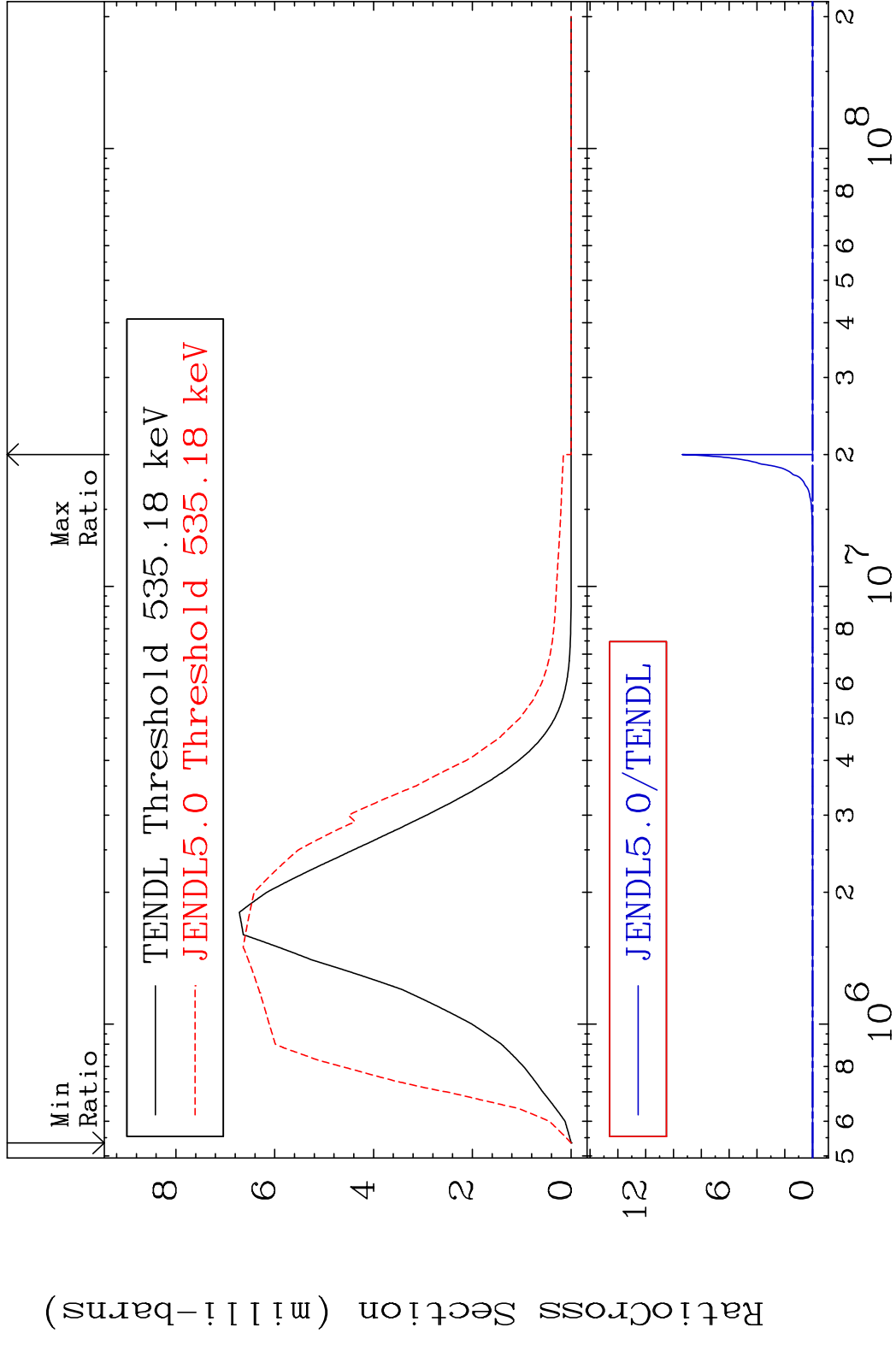




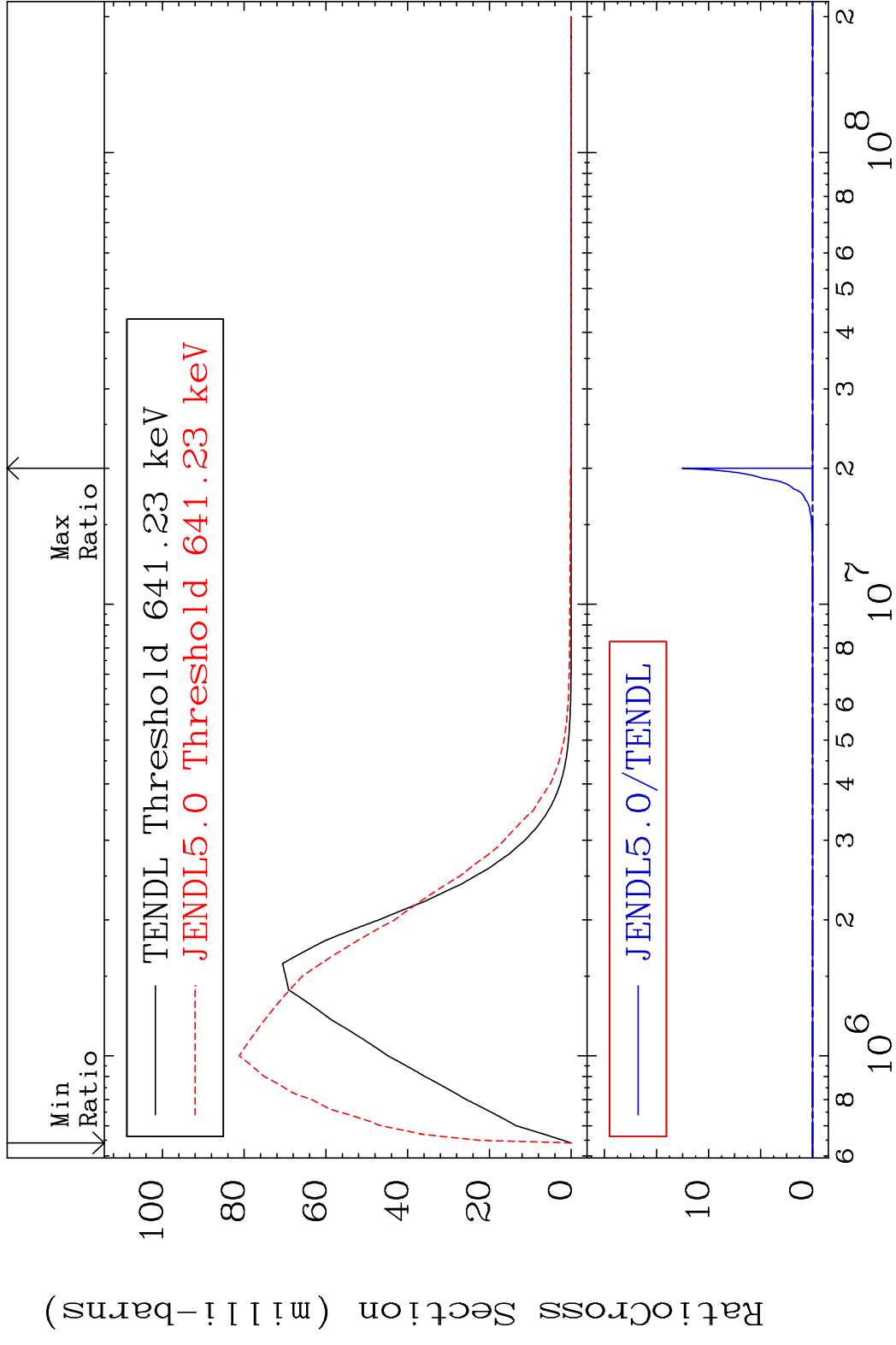
MAT 8034 MT= 56 (n, n') Level 80-Hg-199  
 Cross Section -100.0 To 175.5 %



MAT 8034 MT= 57 (n, n') Level 80-Hg-199  
 Cross Section -100.0 To 9999. %

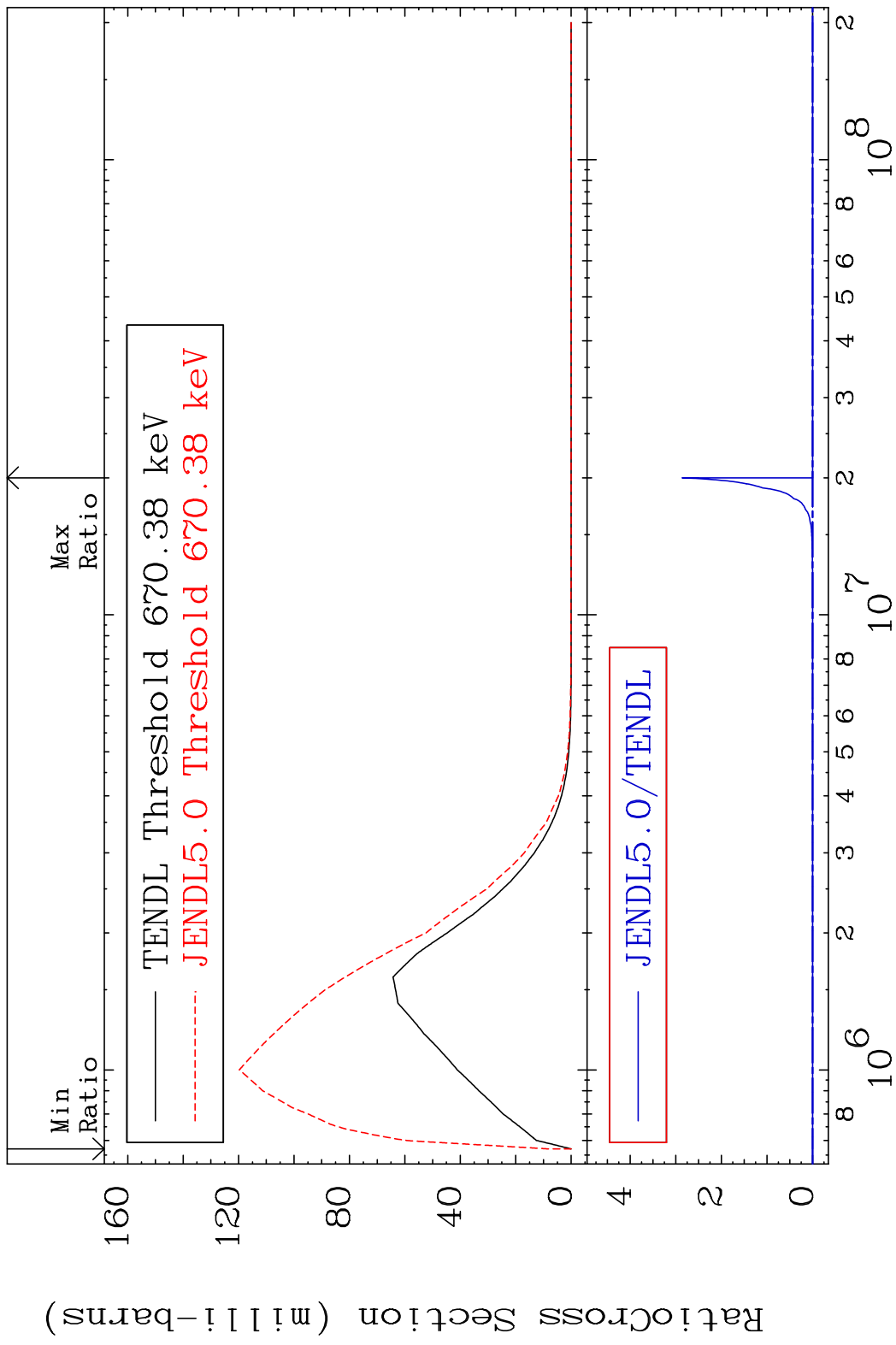


MAT 8034 MT= 58 (n, n') Level 80-Hg-199  
 Cross Section -100.0 To 9999. %



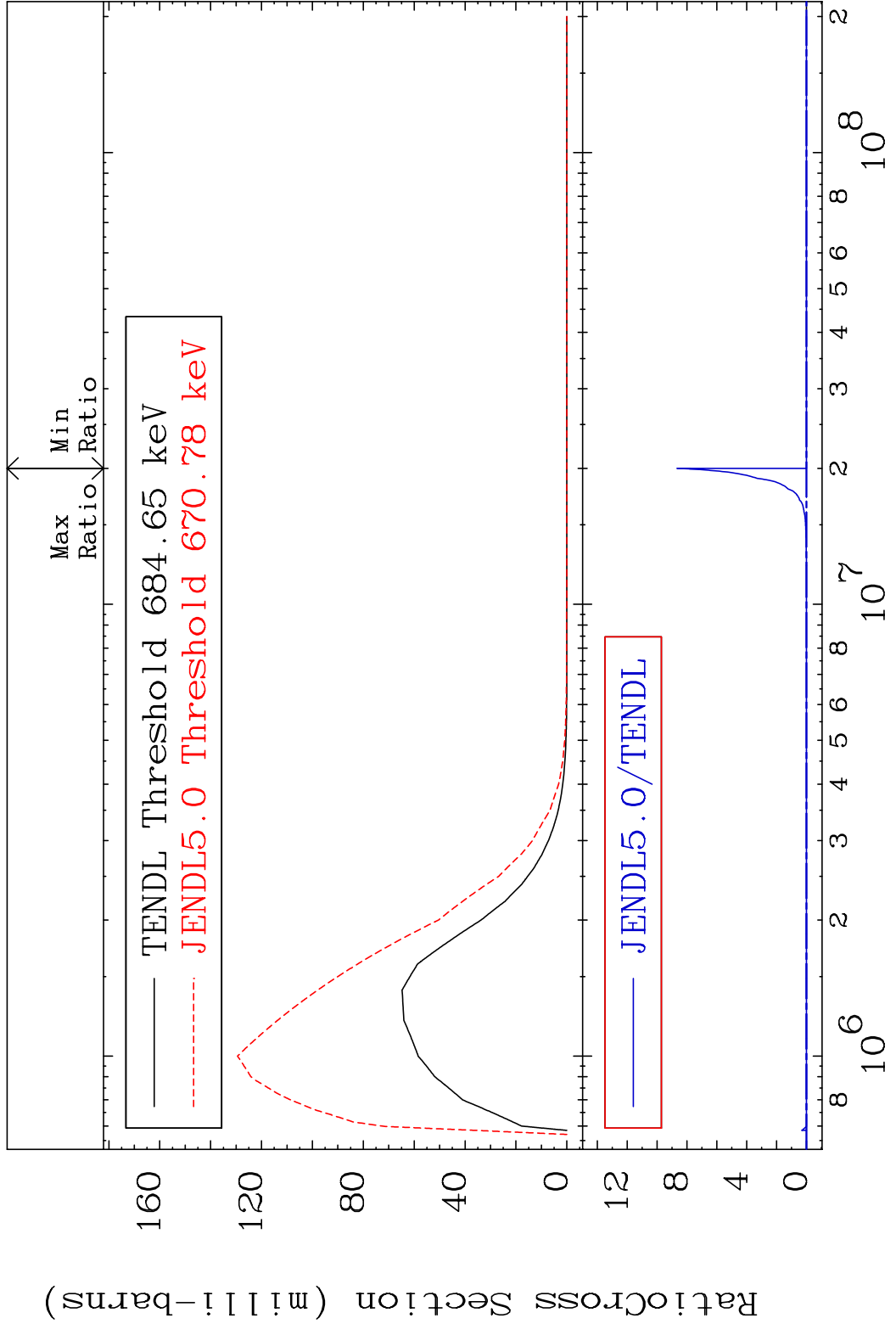
18 80-Hg-199

MAT 8034 MT= 59 (n, n') Level 80-Hg-199  
 Cross Section -100.0 To 9999. %



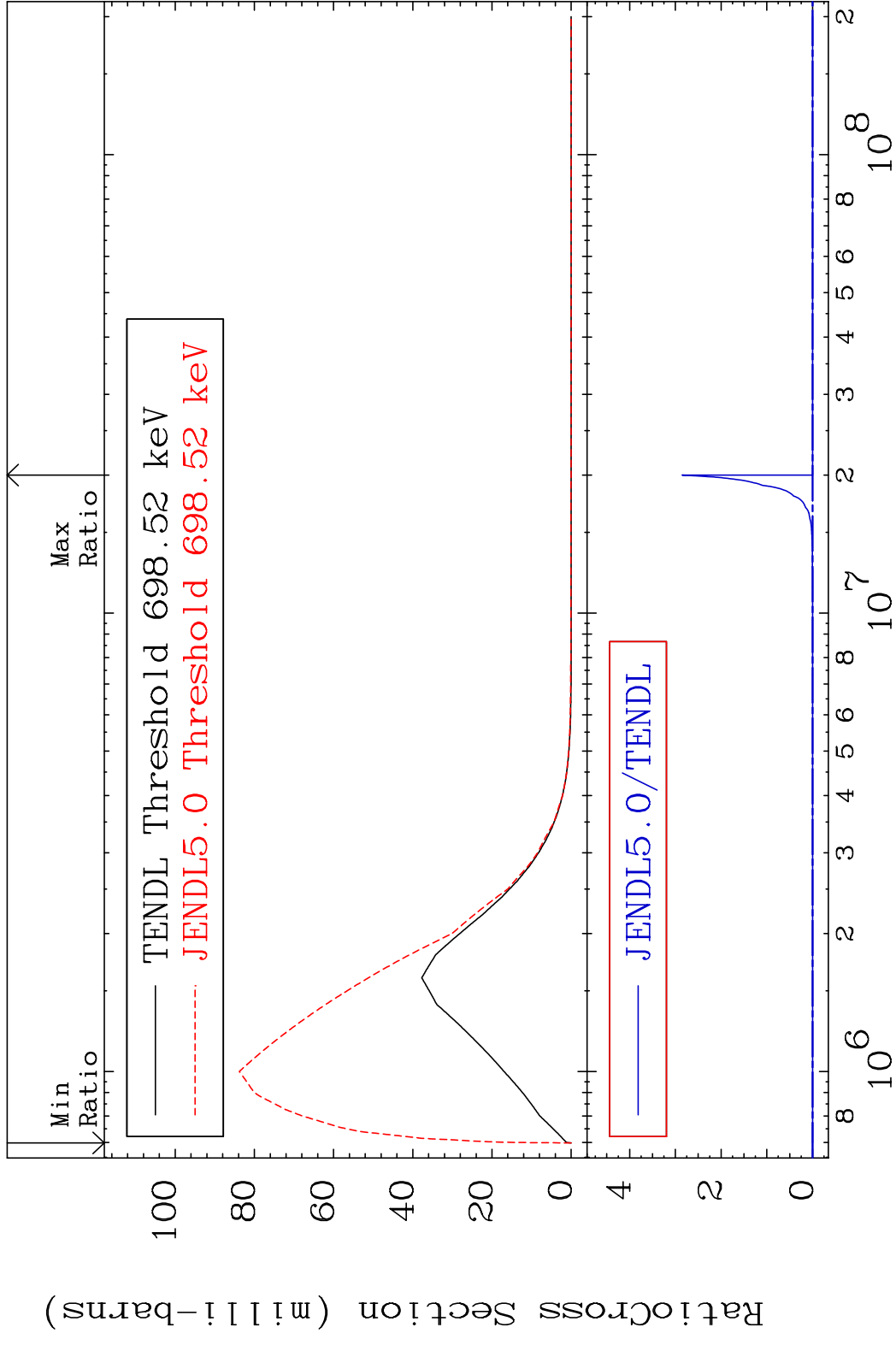
19 80-Hg-199

MAT 8034 MT= 60 (n, n') Level 80-Hg-199  
 Cross Section -100.0 To 9999. %

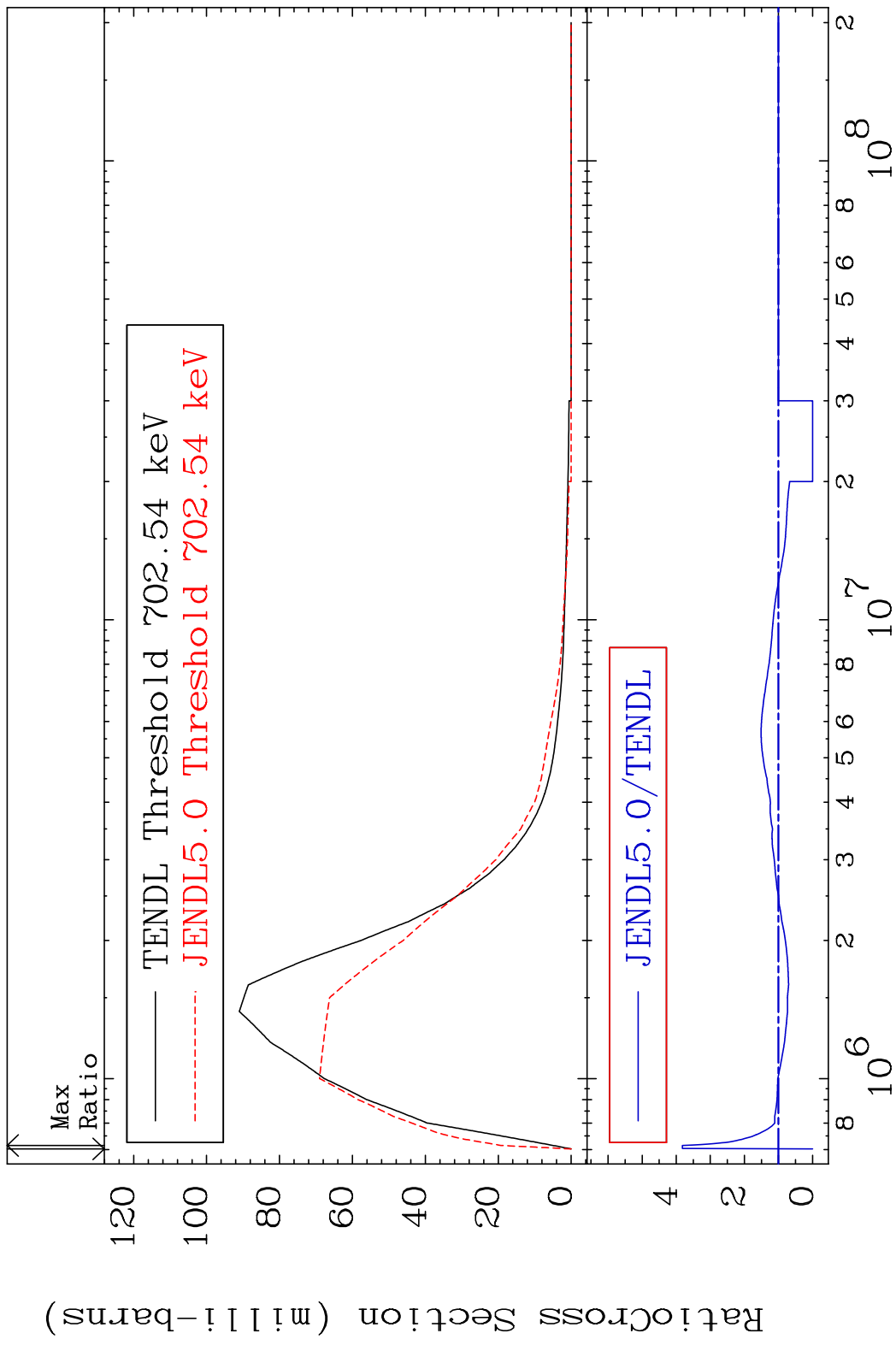


20 Incident Energy (eV) 80-Hg-199

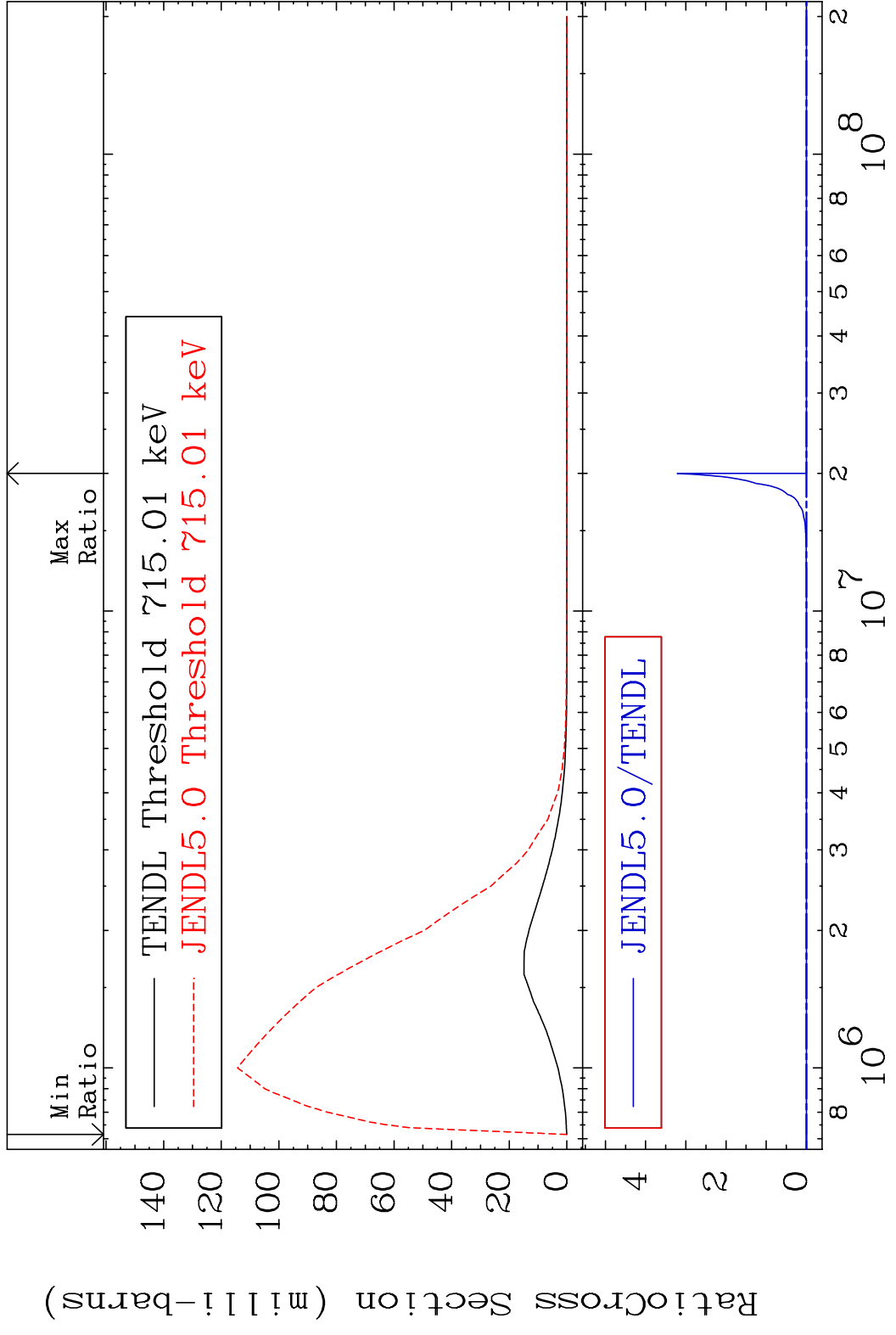
MAT 8034 MT= 61 (n, n') Level 80-Hg-199  
 Cross Section -100.0 To 9999. %



MAT 8034 MT= 62 (n, n') Level 80-Hg-199  
 Cross Section -100.0 To 282.1 %

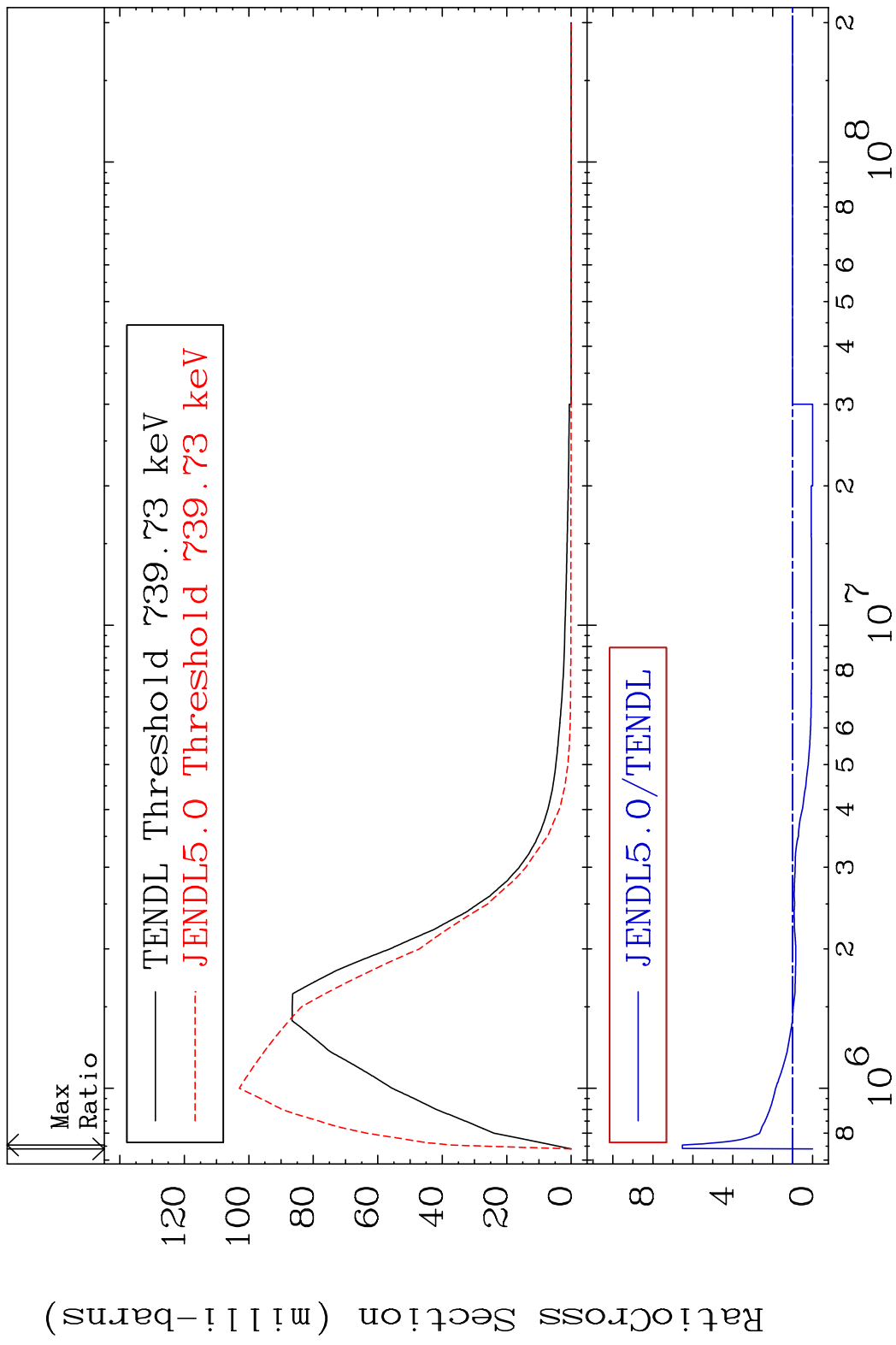


MAT 8034 MT= 63 (n, n') Level 80-Hg-199  
 Cross Section -100.0 To 9999. %

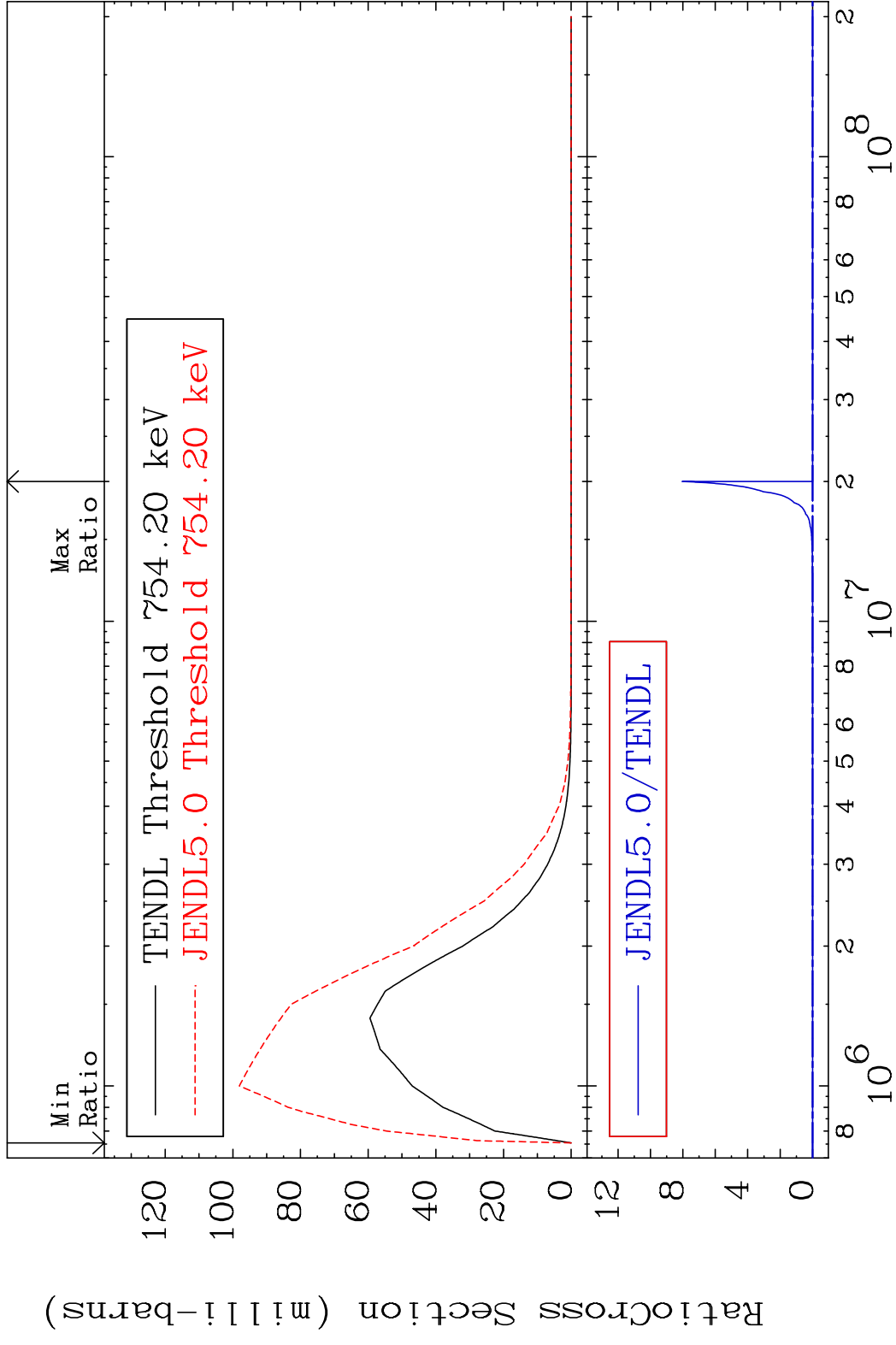




MAT 8034 MT= 64 (n, n') Level 80-Hg-199  
 Cross Section -100.0 To 552.3 %

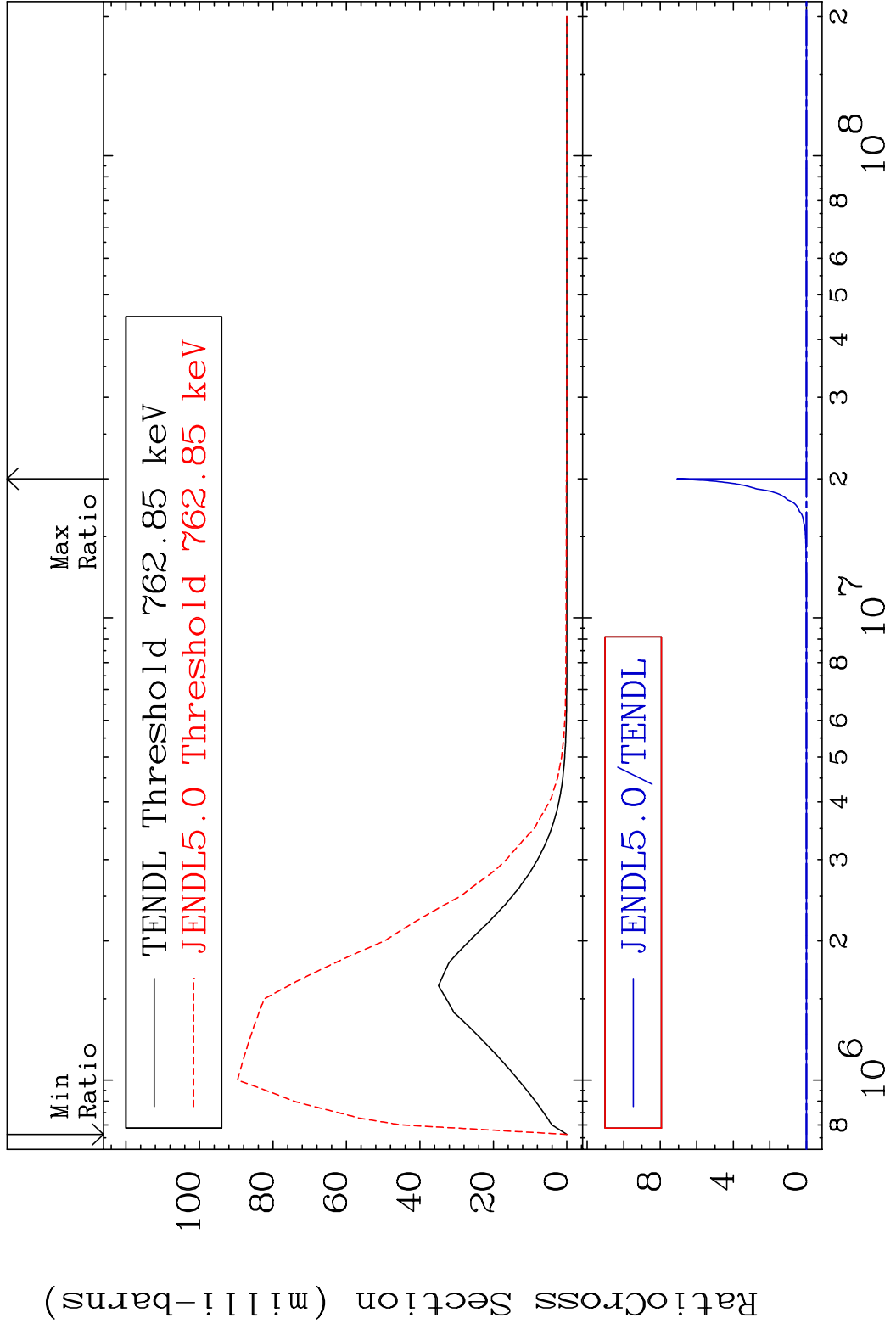


MAT 8034 MT= 65 (n, n') Level 80-Hg-199  
 Cross Section -100.0 To 9999. %

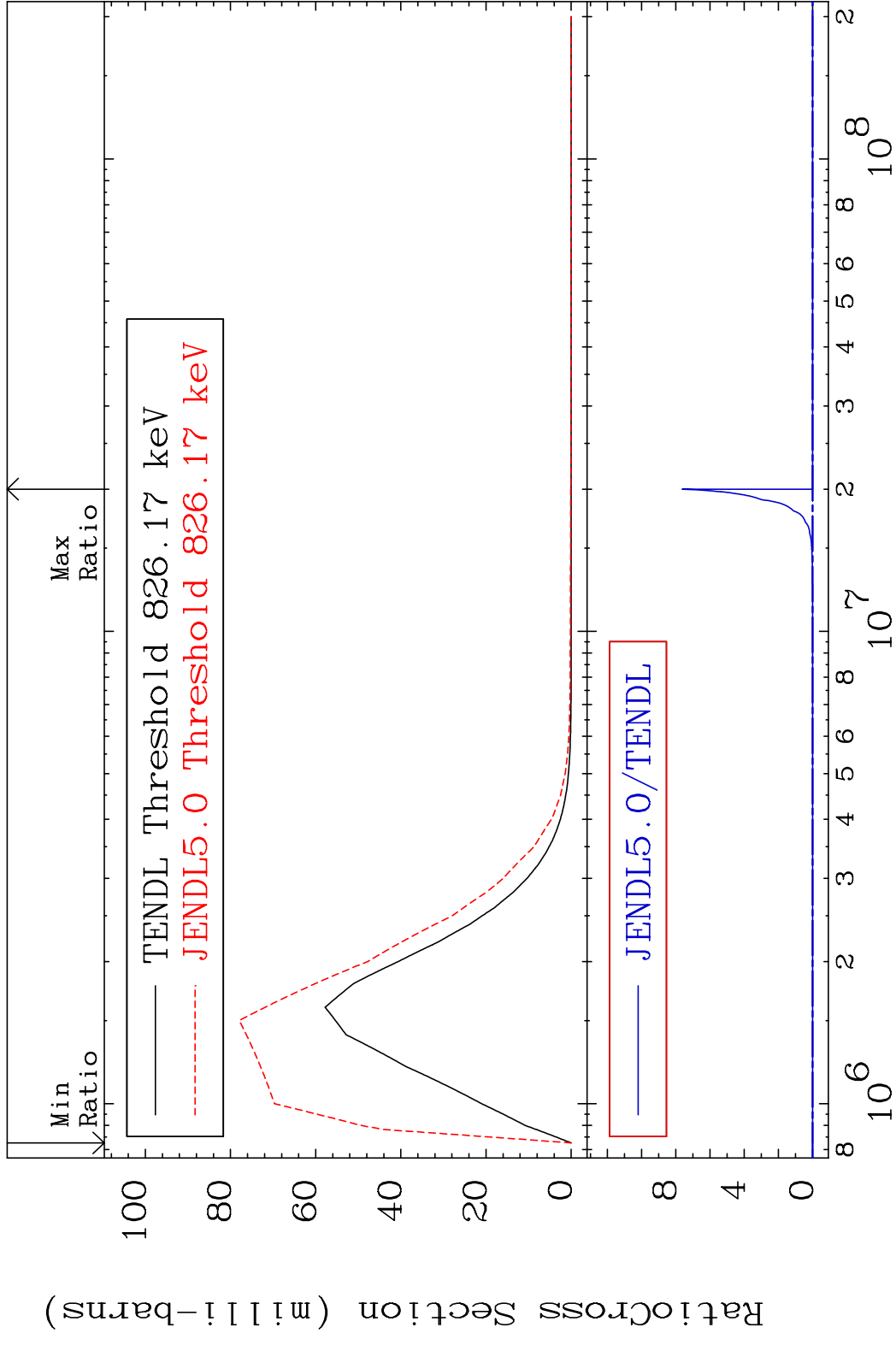


25 Incident Energy (eV) 80-Hg-199

MAT 8034 MT= 66 (n, n') Level 80-Hg-199  
 Cross Section -100.0 To 9999. %



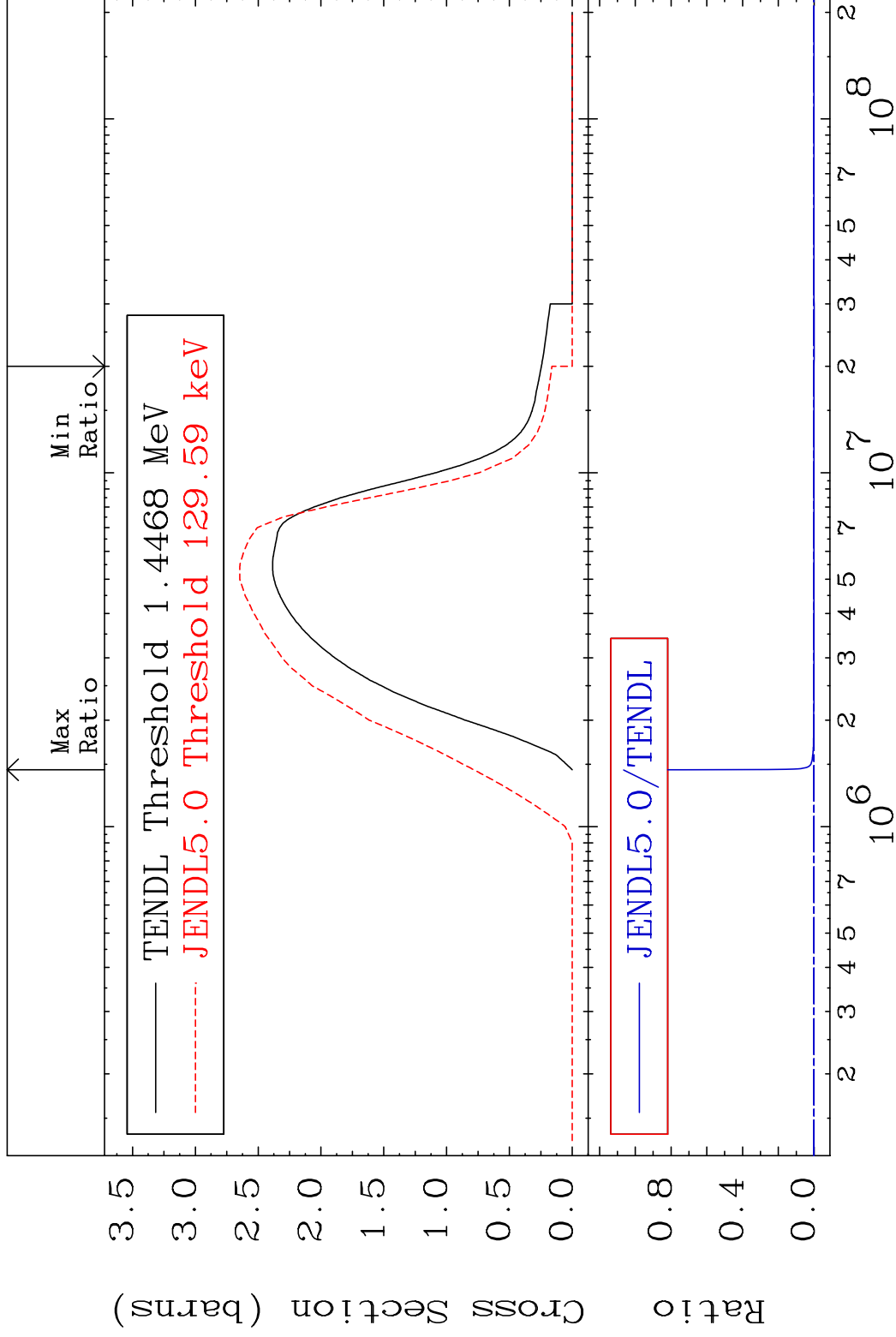
MAT 8034 MT= 67 (n, n') Level 80-Hg-199  
 Cross Section -100.0 To 9999. %



MAT 8034

(n, n') Continuum  
Cross Section -100.0 To 9999. %

80-Hg-199



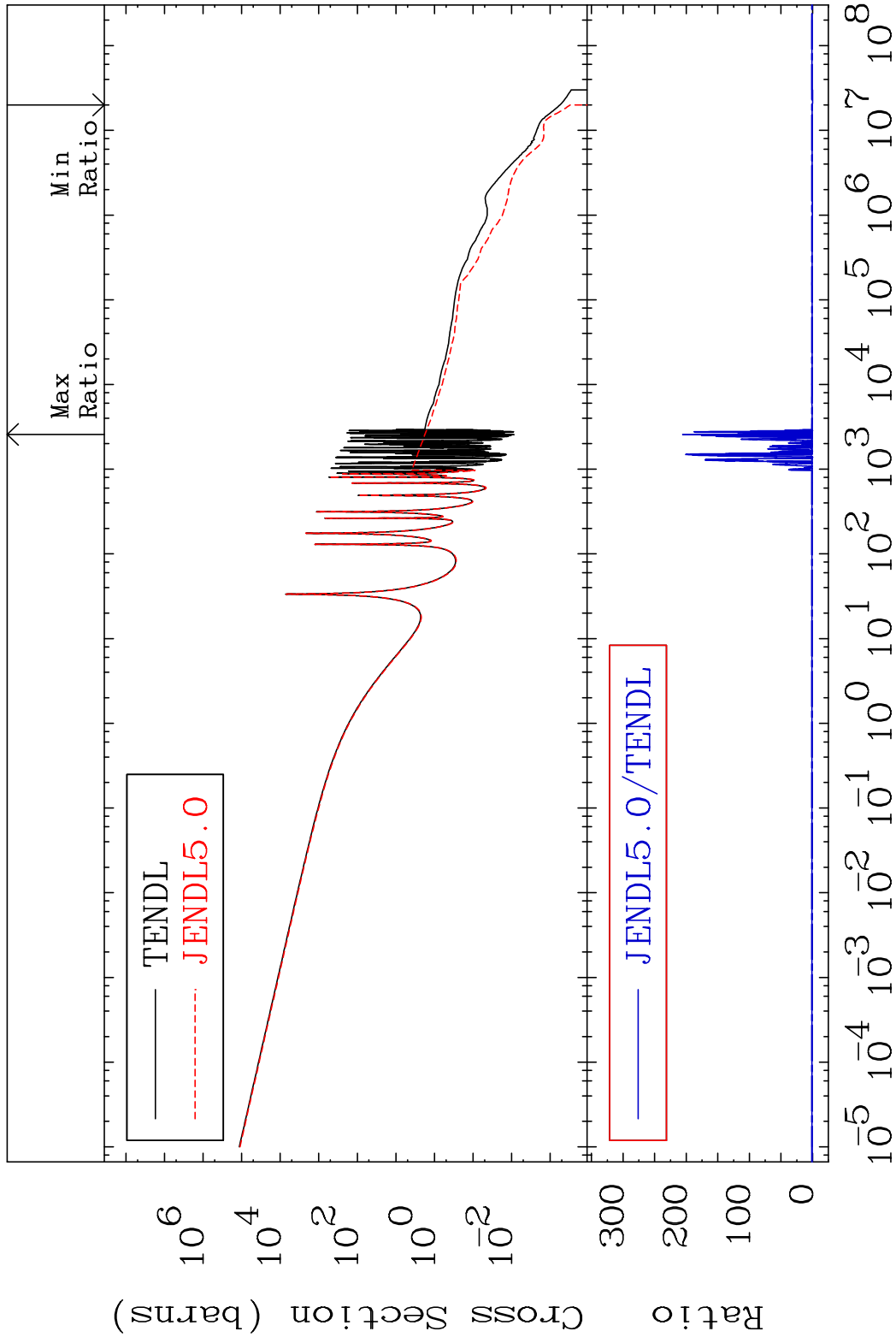
28

Incident Energy (eV)

80-Hg-199

MAT 8034

(n,  $\gamma$ )  
Cross Section      -100.0 To 9999. %  
80-Hg-199



29

Incident Energy (eV)

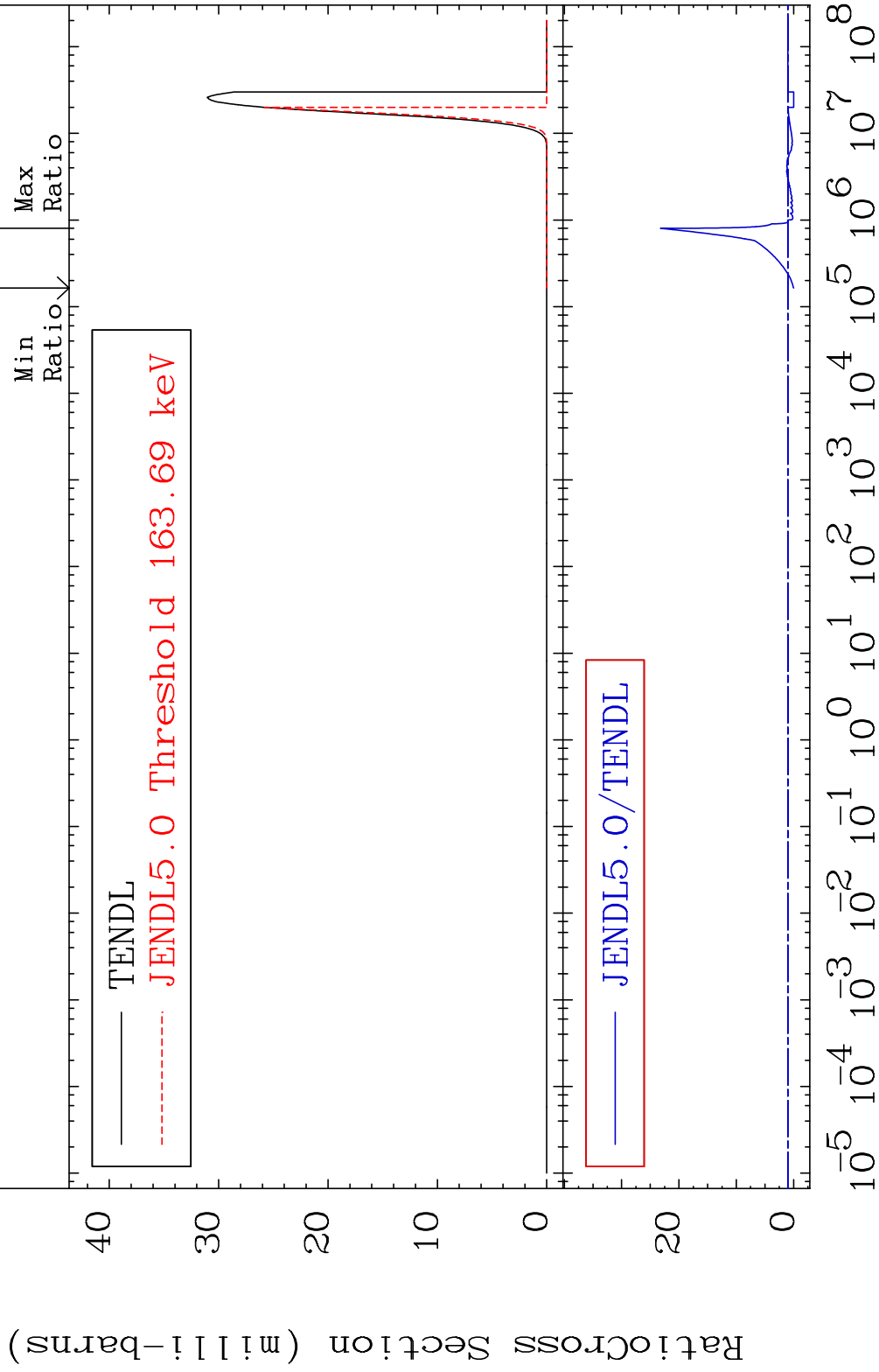
80-Hg-199

MAT 8034

(n, p)

80-Hg-199

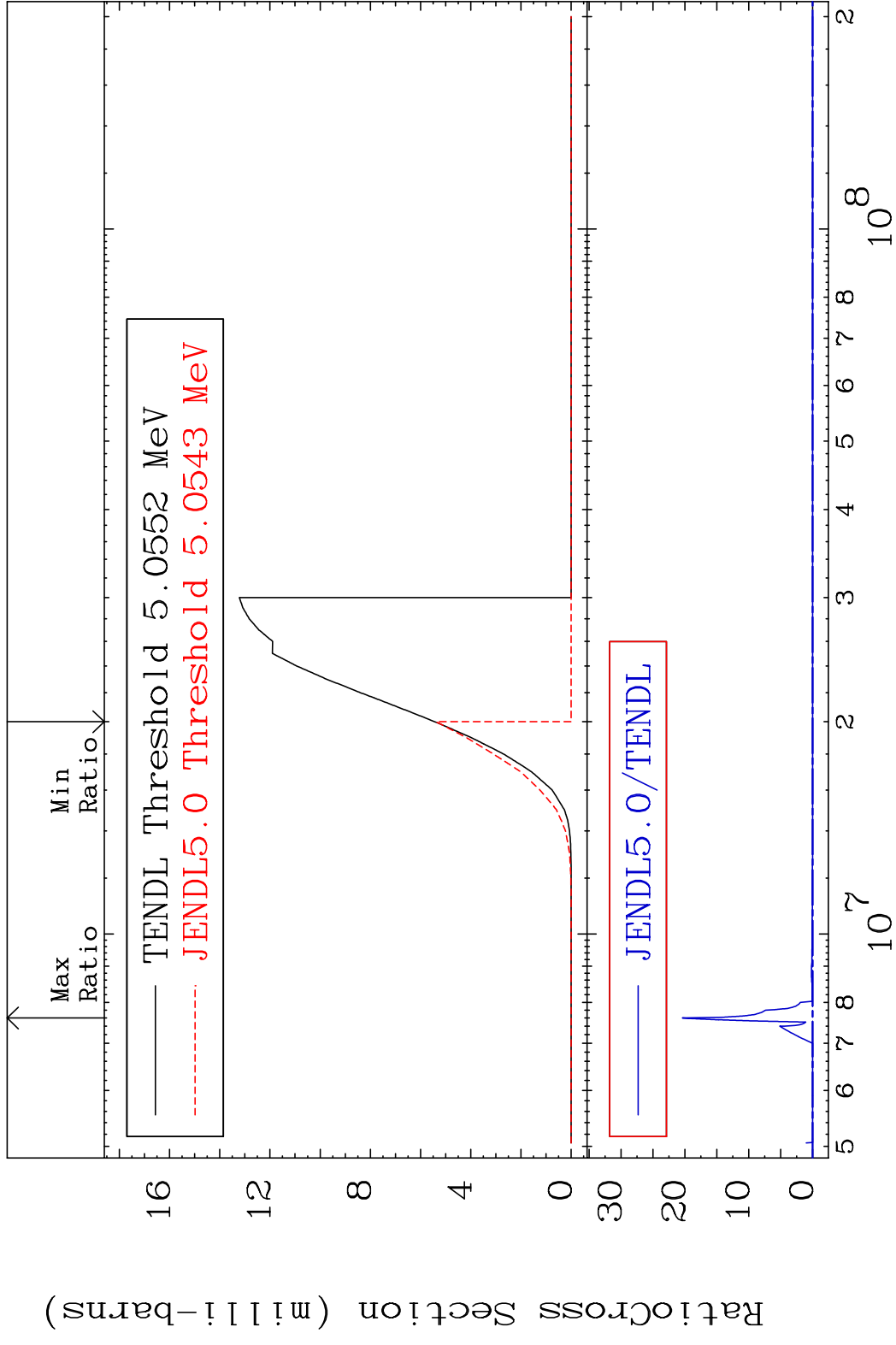
Cross Section -100.0 To 2223. %



30

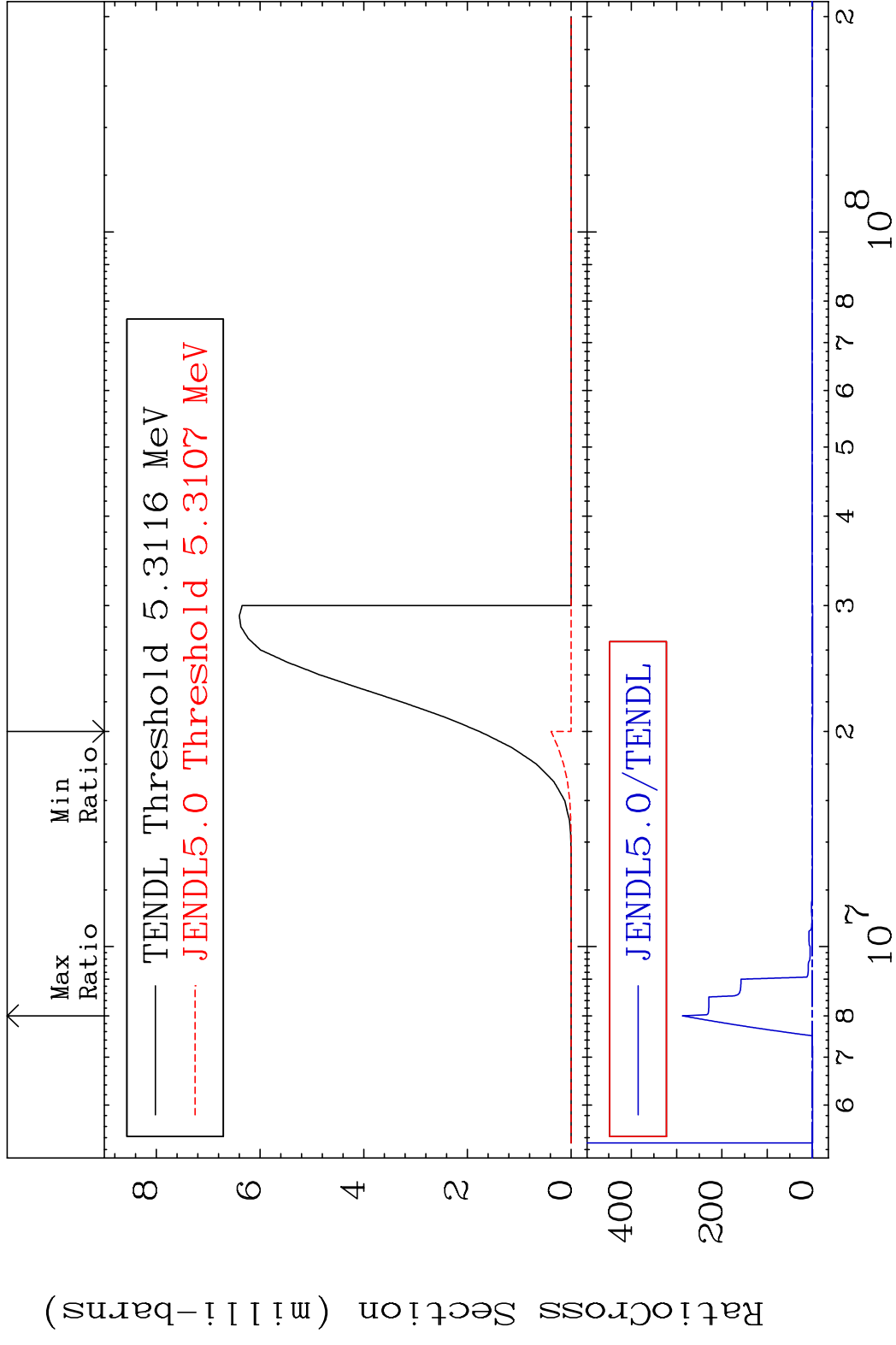
Incident Energy (eV)

80-Hg-199





MAT 8034 (n, t) 80-Hg-199  
 Cross Section -100.0 To 9999. %

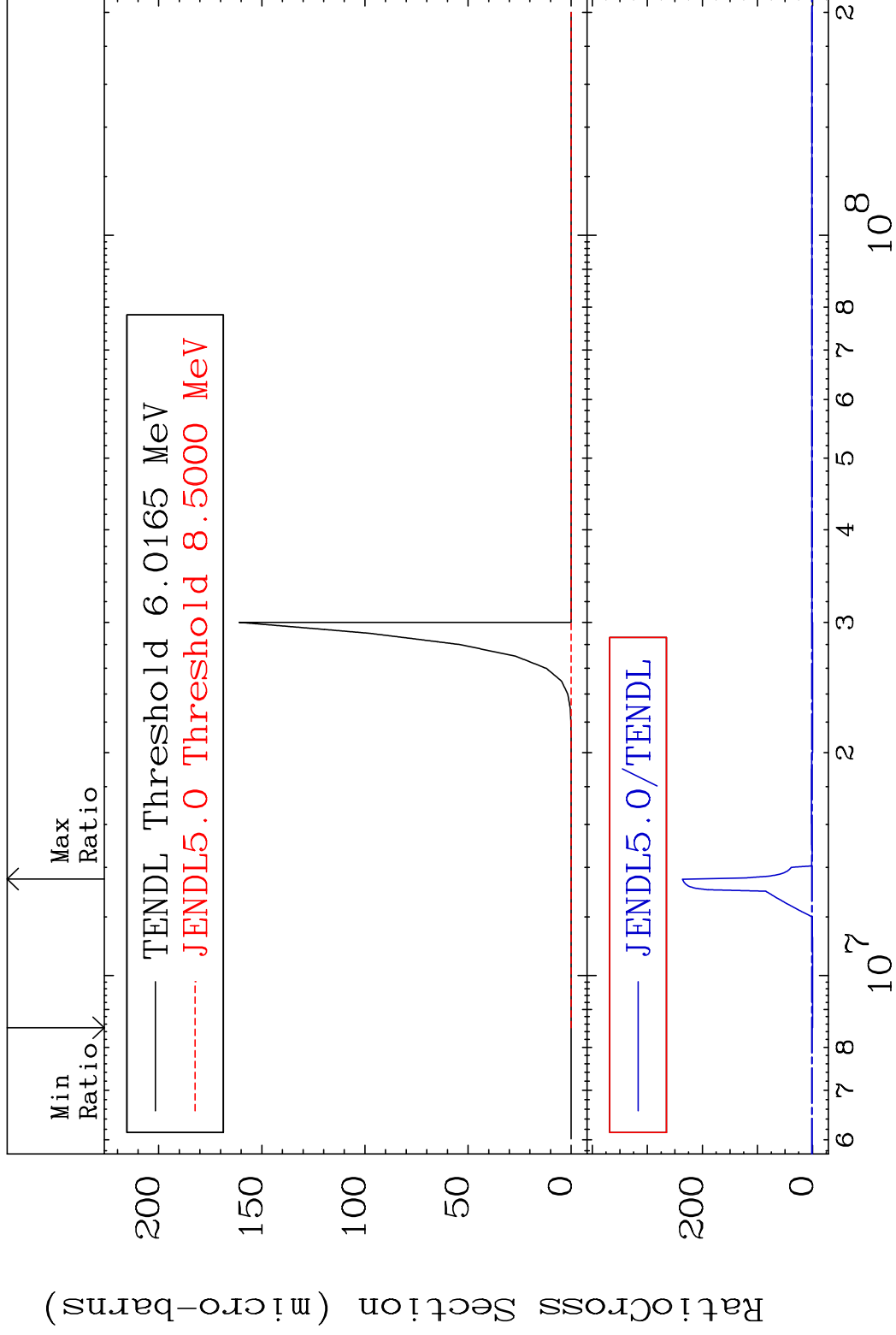


MAT 8034

(n, He-3)

80-Hg-199

Cross Section -100.0 To 9999. %



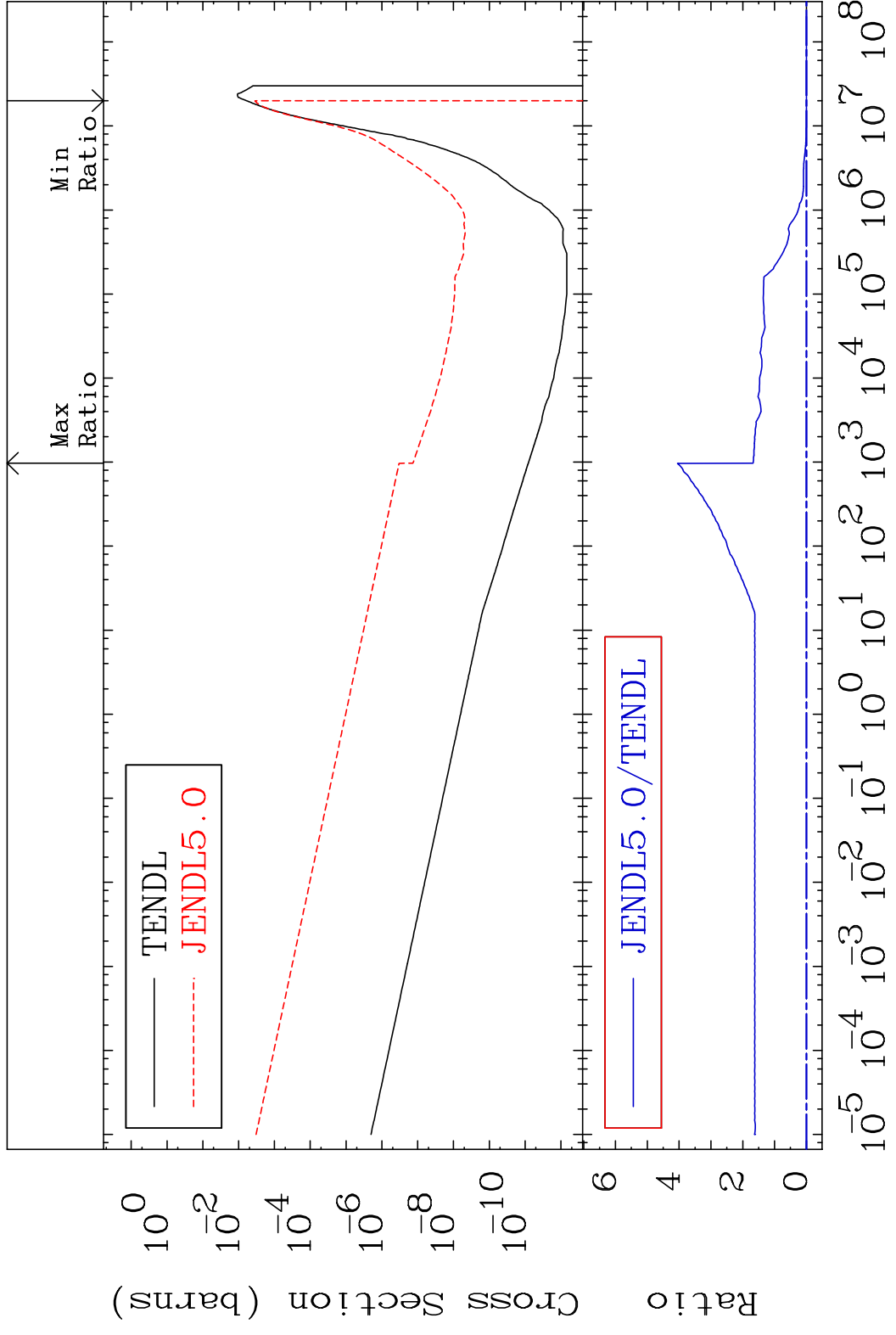
33

Incident Energy (eV)

80-Hg-199

MAT 8034

(n,  $\alpha$ )  
Cross Section      -100.0 To 9999. %  
80-Hg-199

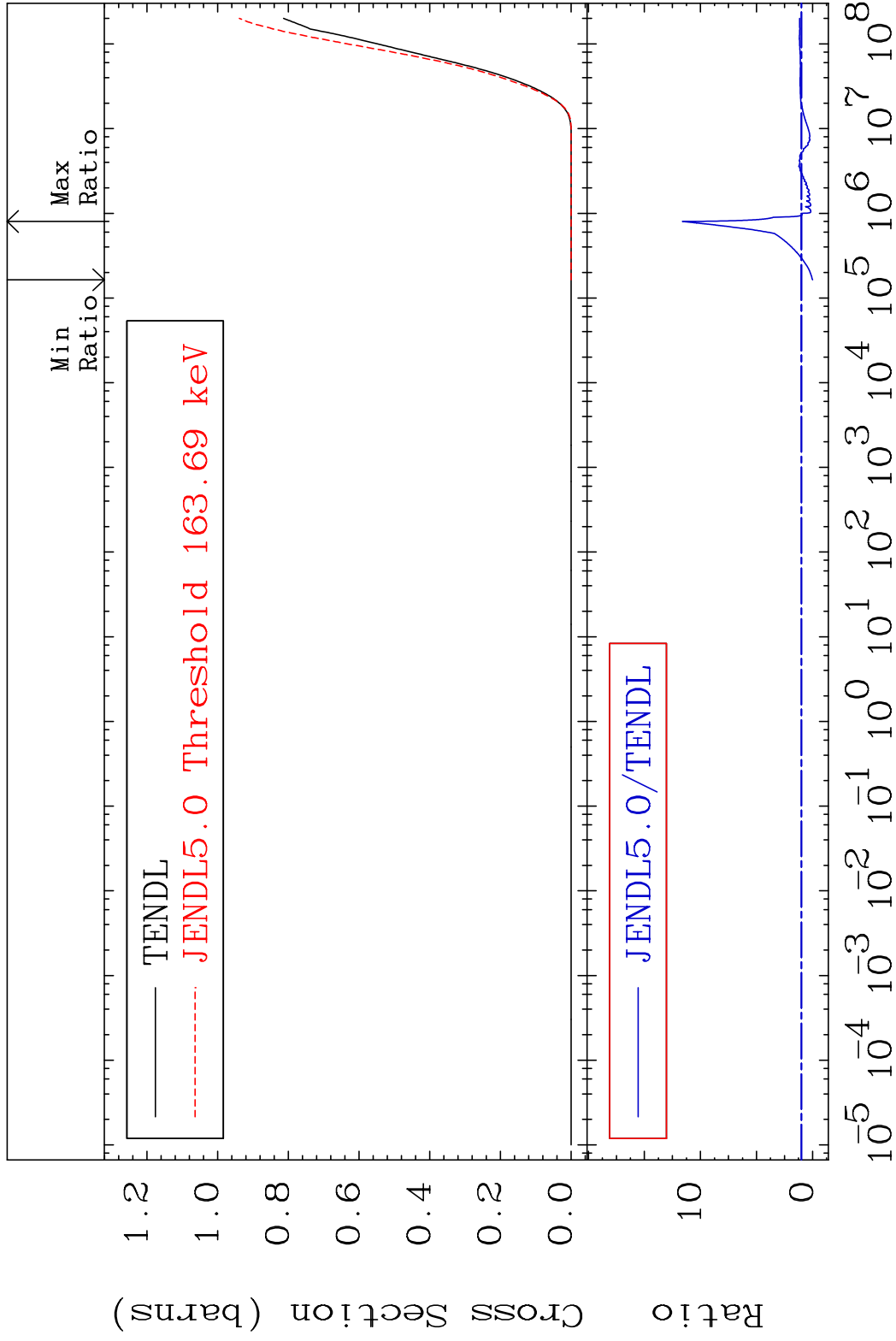


MAT 8034

Hydrogen Production

80-Hg-199

Cross Section -100.0 To 1061. %



35

Incident Energy (eV)

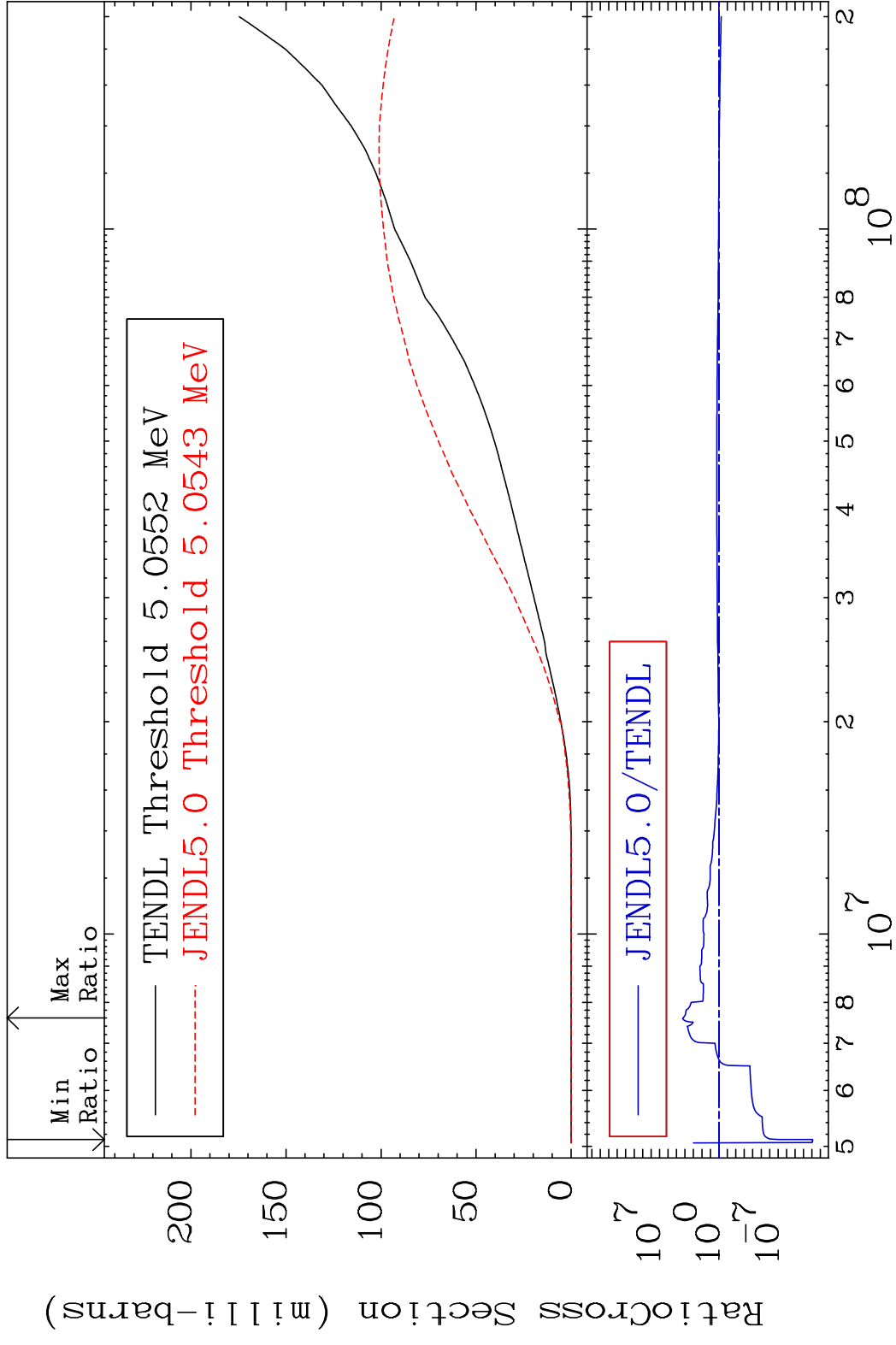
80-Hg-199

MAT 8034

Deuterium Production

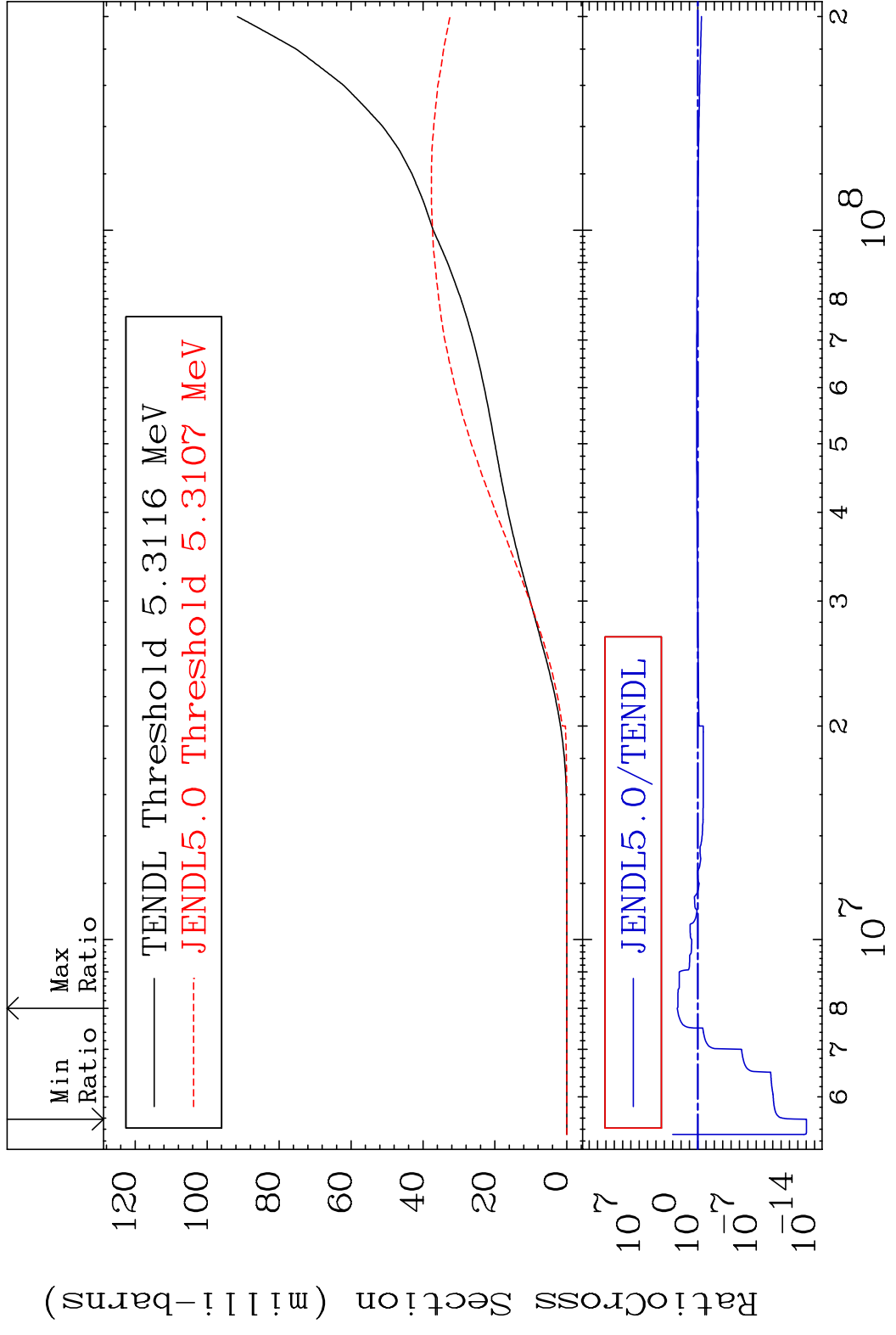
80-Hg-199

Cross Section -100.0 To 9999. %



MAT 8034

Tritium Production 80-Hg-199  
Cross Section -100.0 To 9999. %

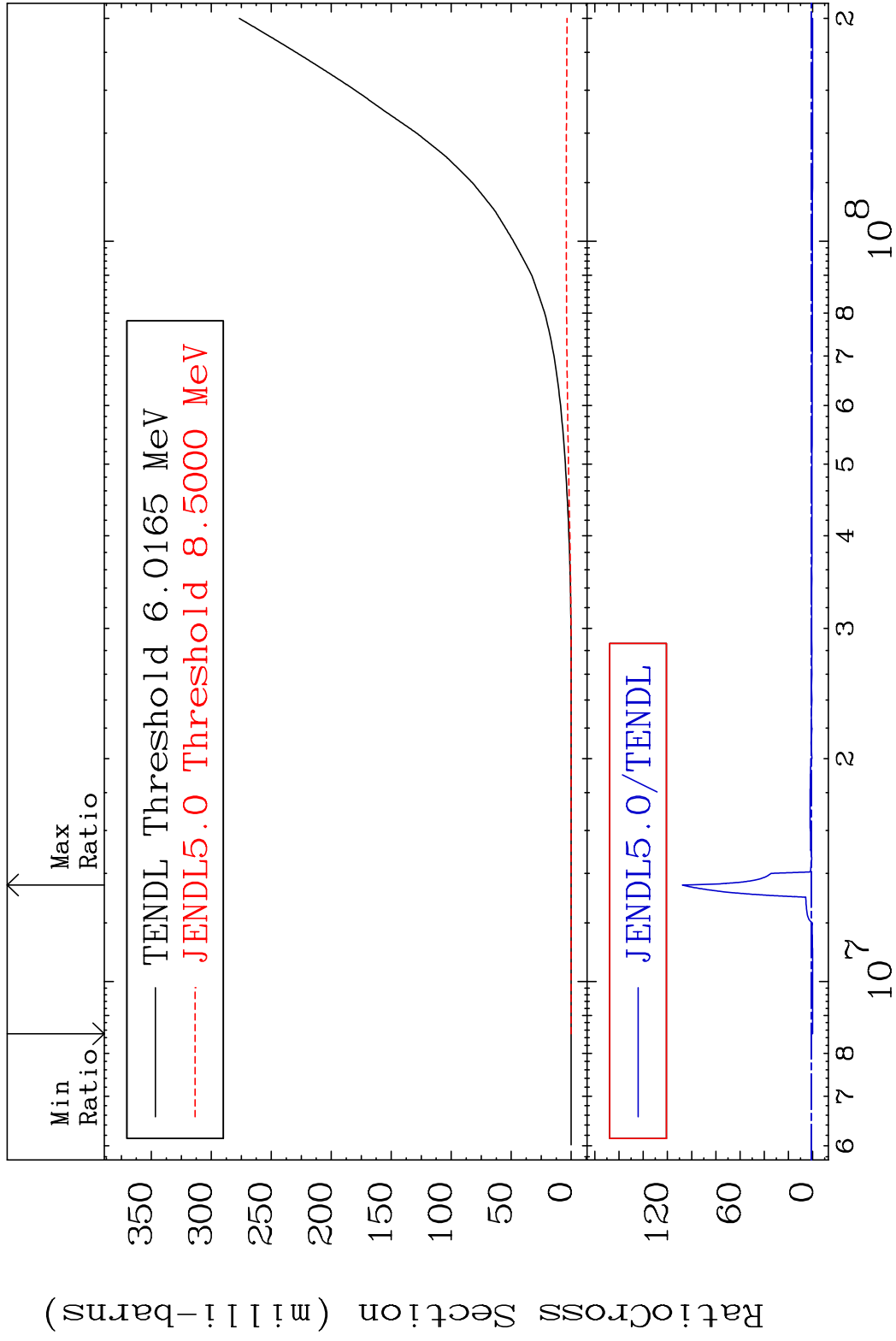


MAT 8034

He-3 Production

80-Hg-199

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

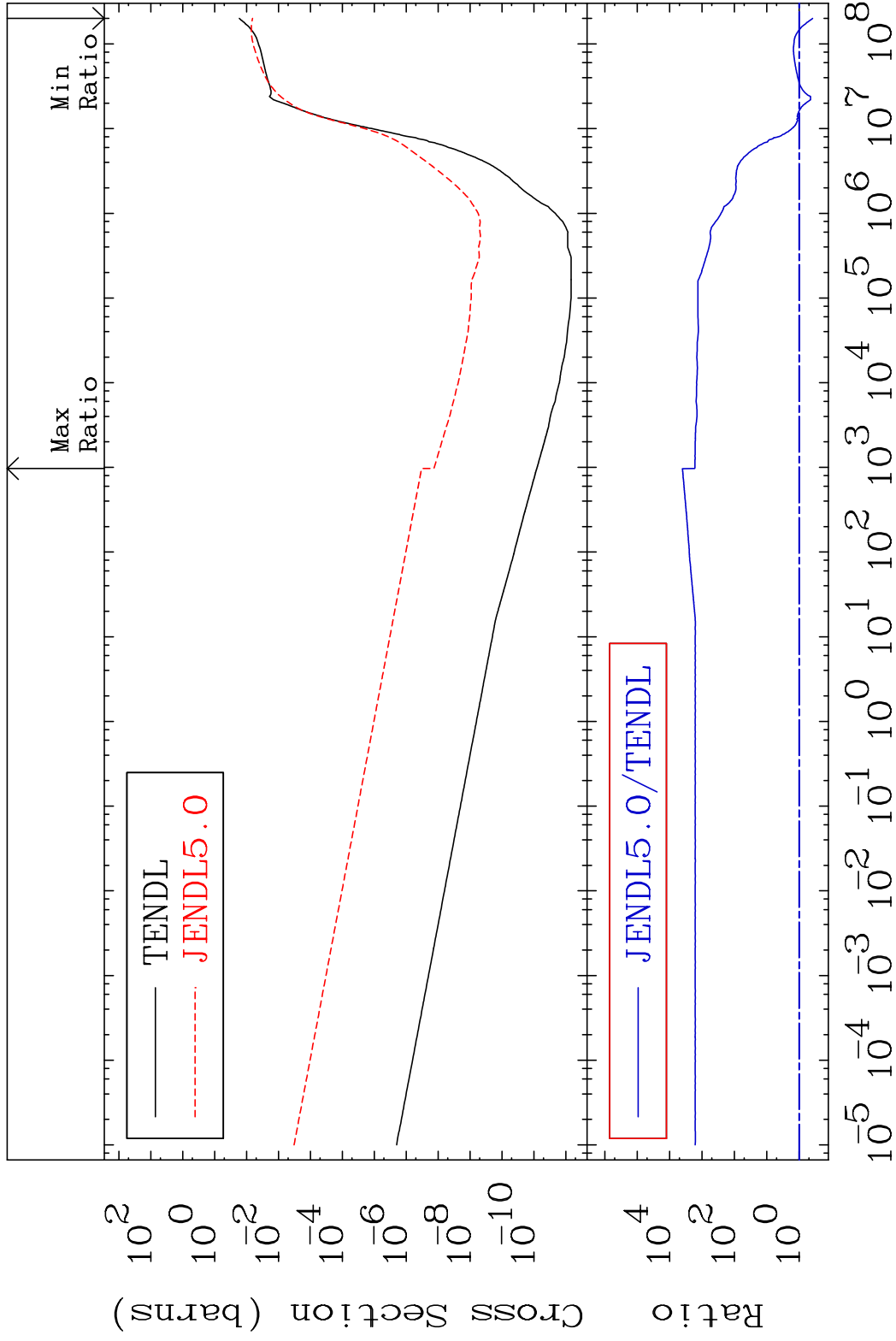
80-Hg-199

MAT 8034

He-4 Production

80-Hg-199

Cross Section -61.17 To 9999. %



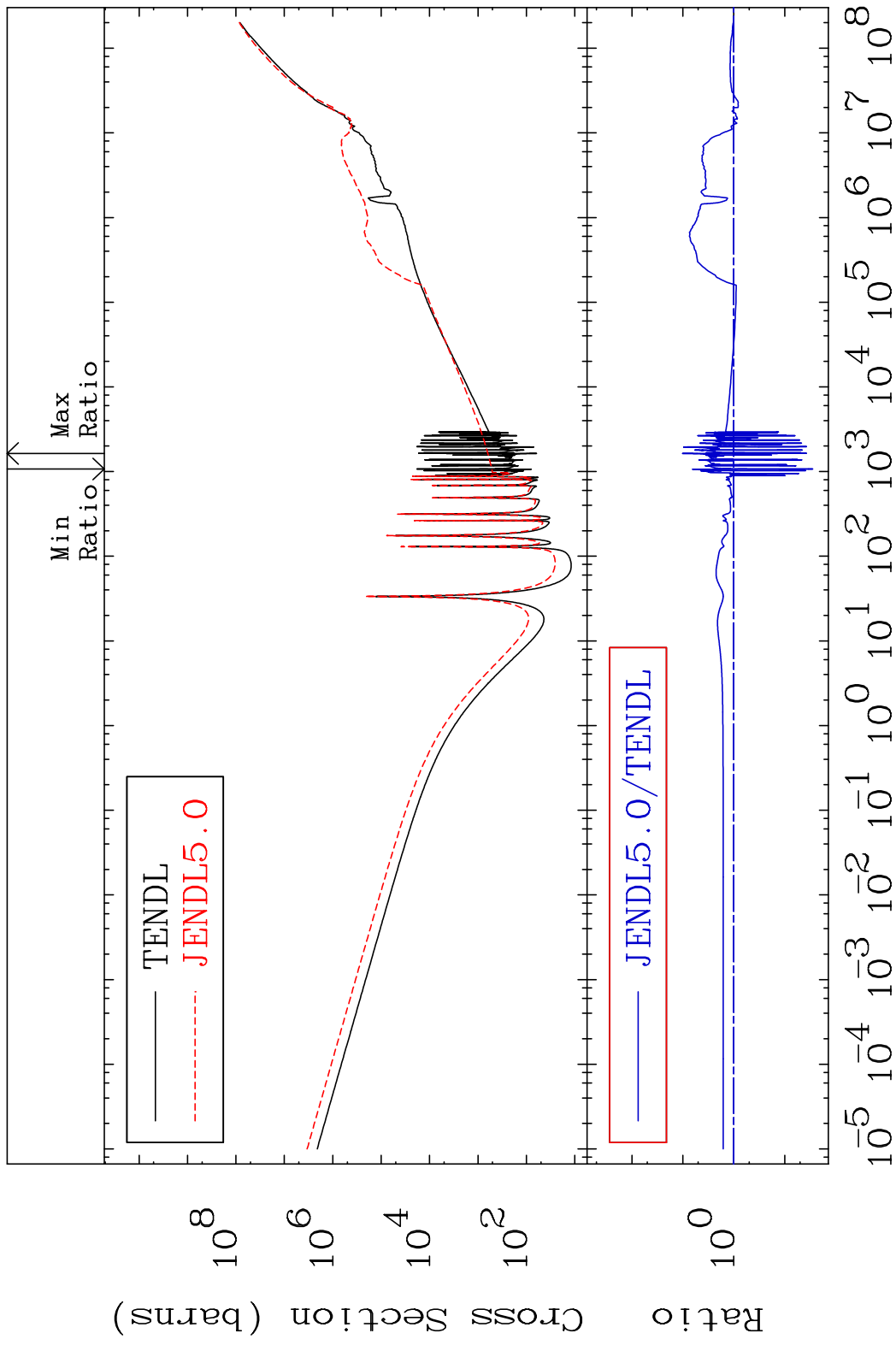
39

Incident Energy (eV)

80-Hg-199



MAT 8034 Kerma total (eV-barns) 80-Hg-199  
Cross Section -97.16 To 923.5 %



40 80-Hg-199

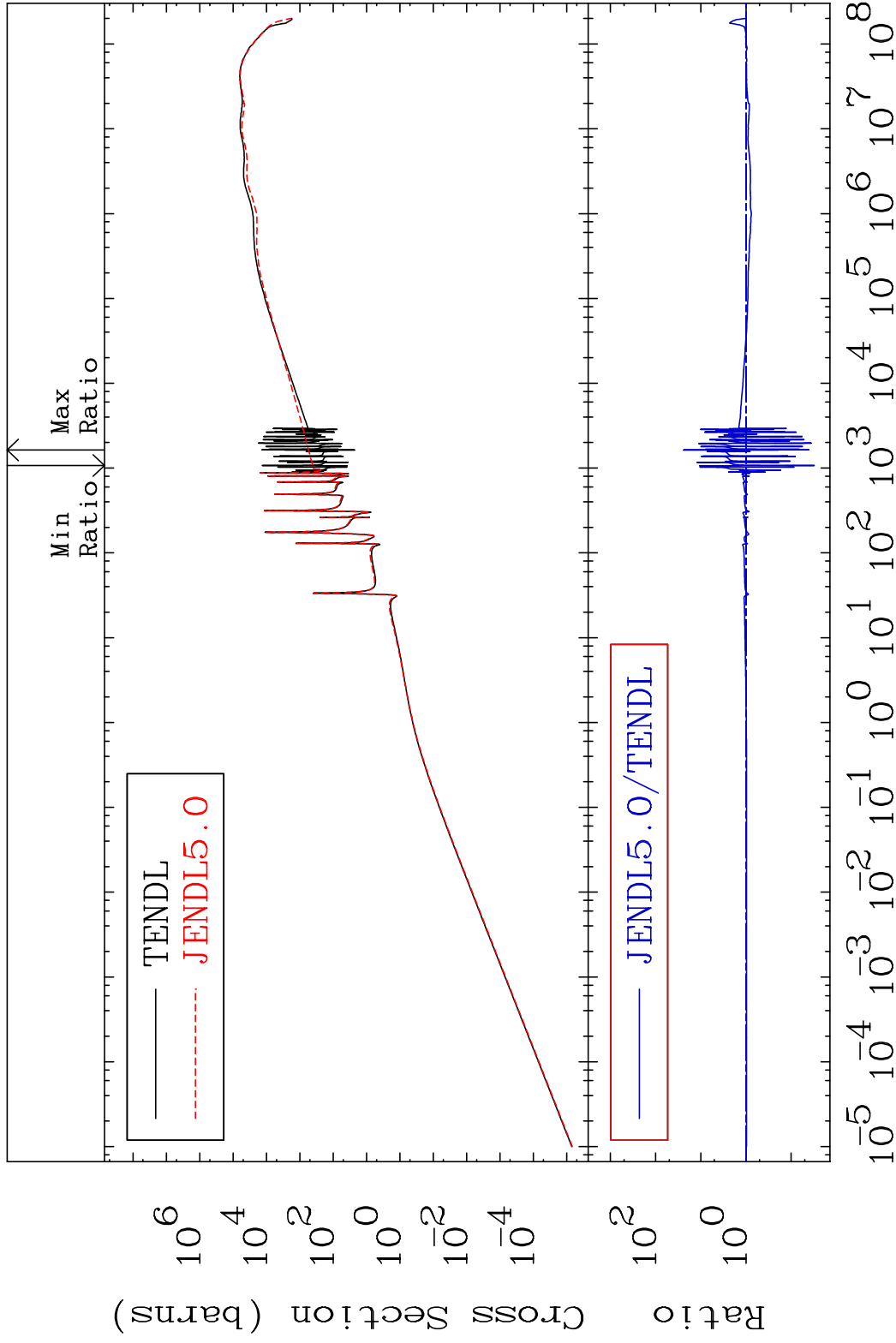
MAT 8034

Kerma elastic

80-Hg-199

Cross Section

-96.89 To 2295. %

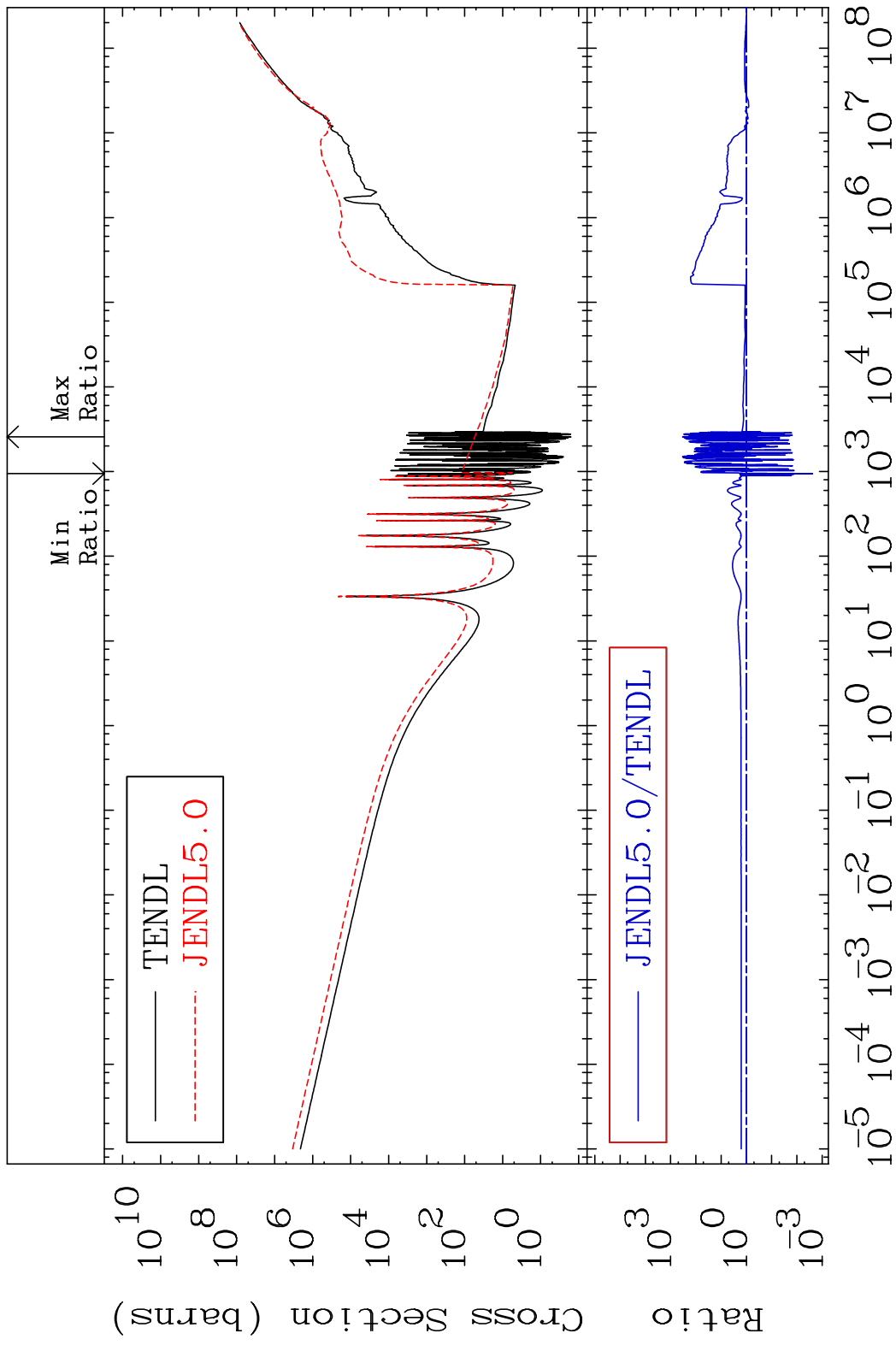


41

Incident Energy (eV)

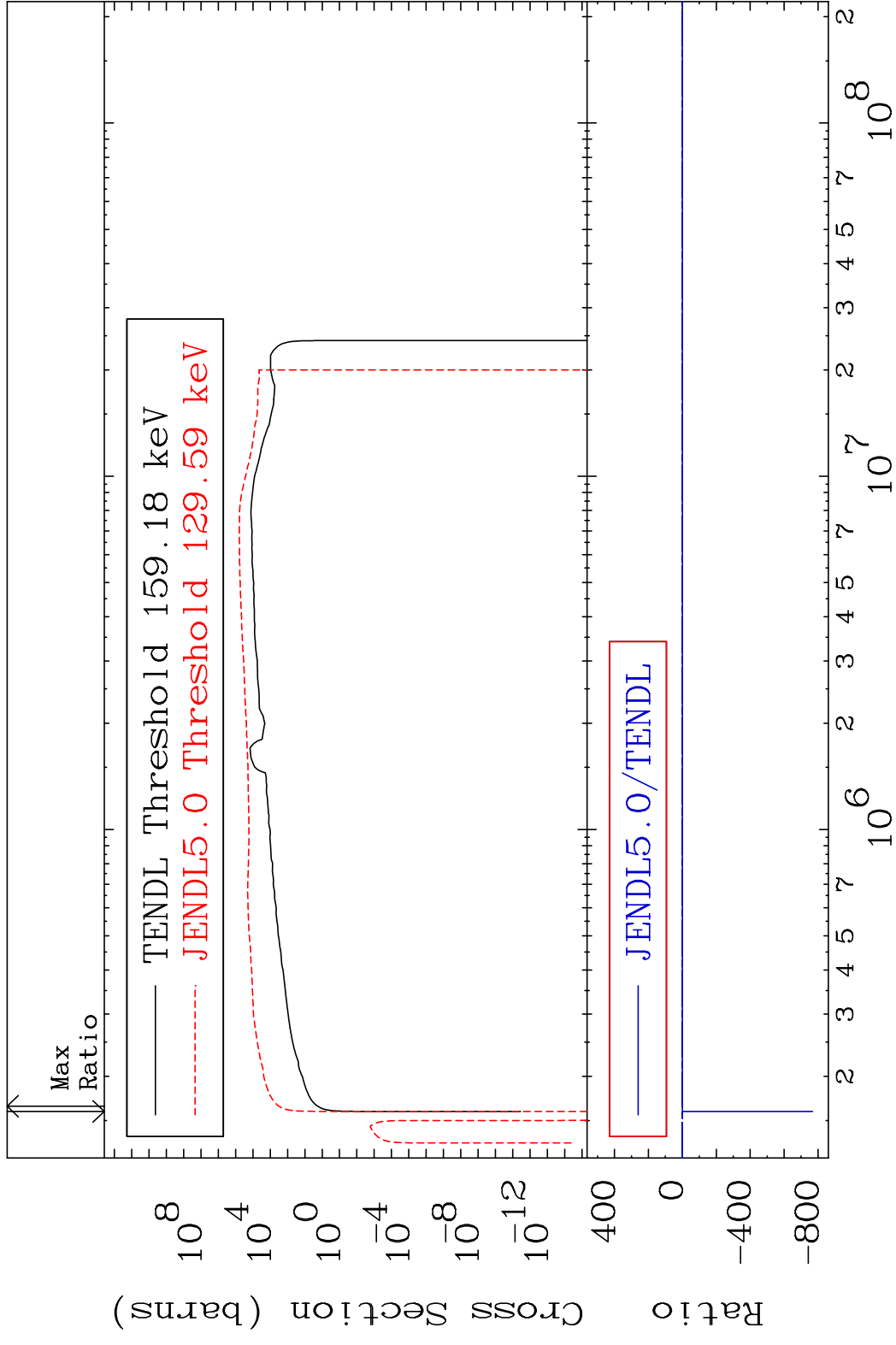
80-Hg-199

MAT 8034 Kerma non-elastic (all but mt2) 80-Hg-199  
 Cross Section -99.76 To 9999. %

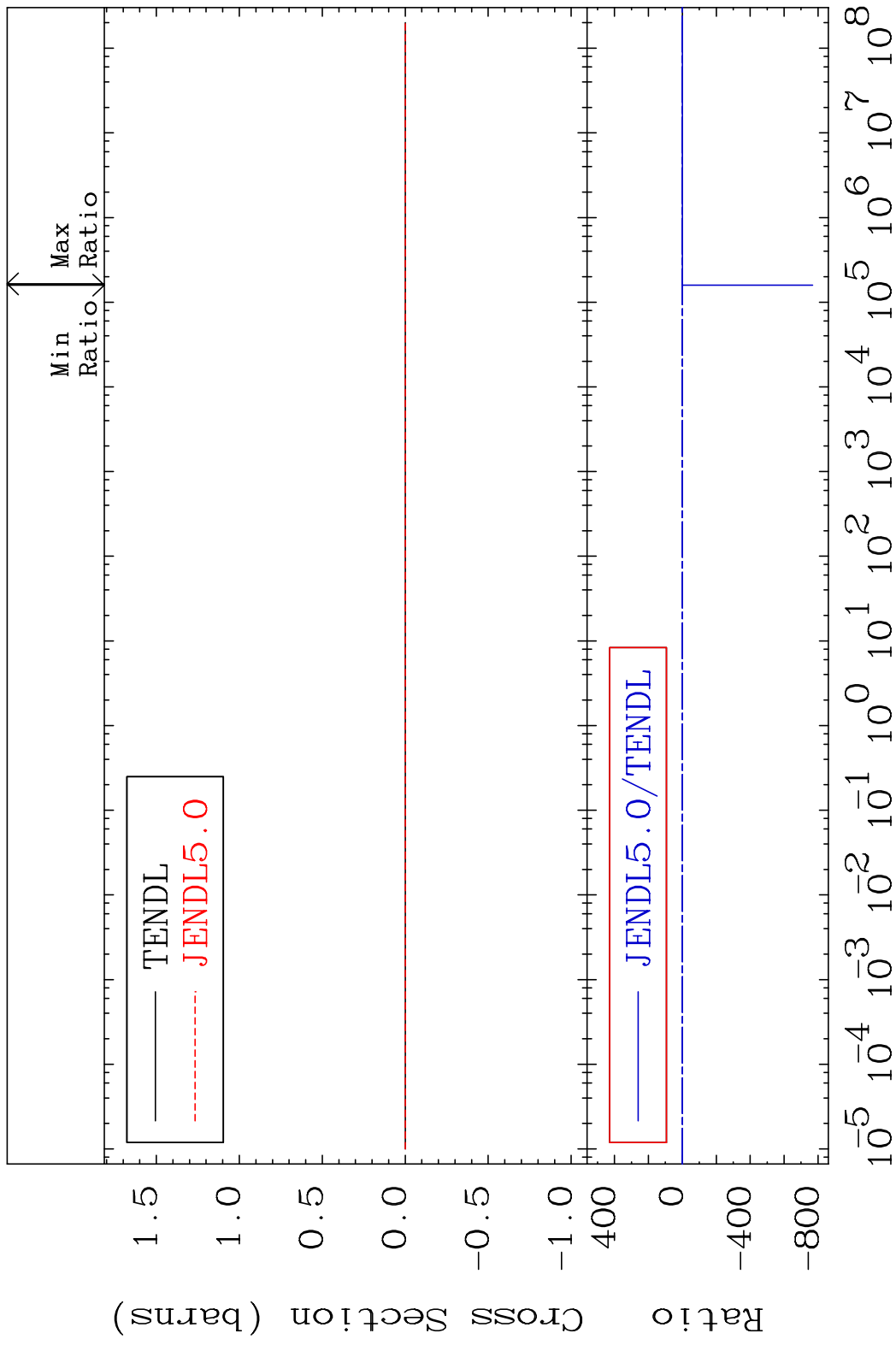


42 Incident Energy (eV) 80-Hg-199

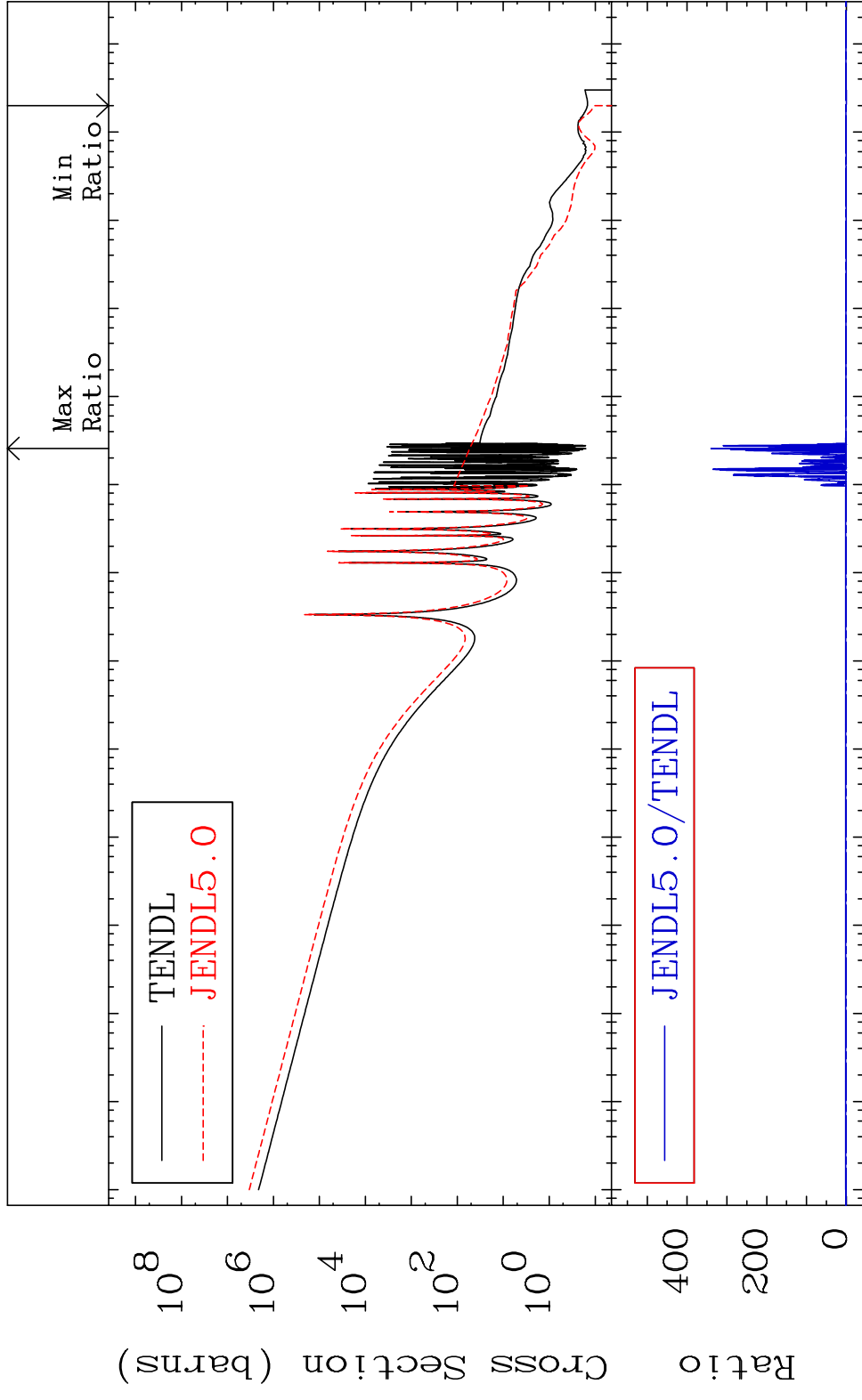
MAT 8034 Kerma inelastic (mt51-91) 80-Hg-199  
 Cross Section -9999. To 9999. %



MAT 8034 Kerma fission (mt18 or mt19-20-21-38)80-Hg-199  
 Cross Section -9999. To 9999. %

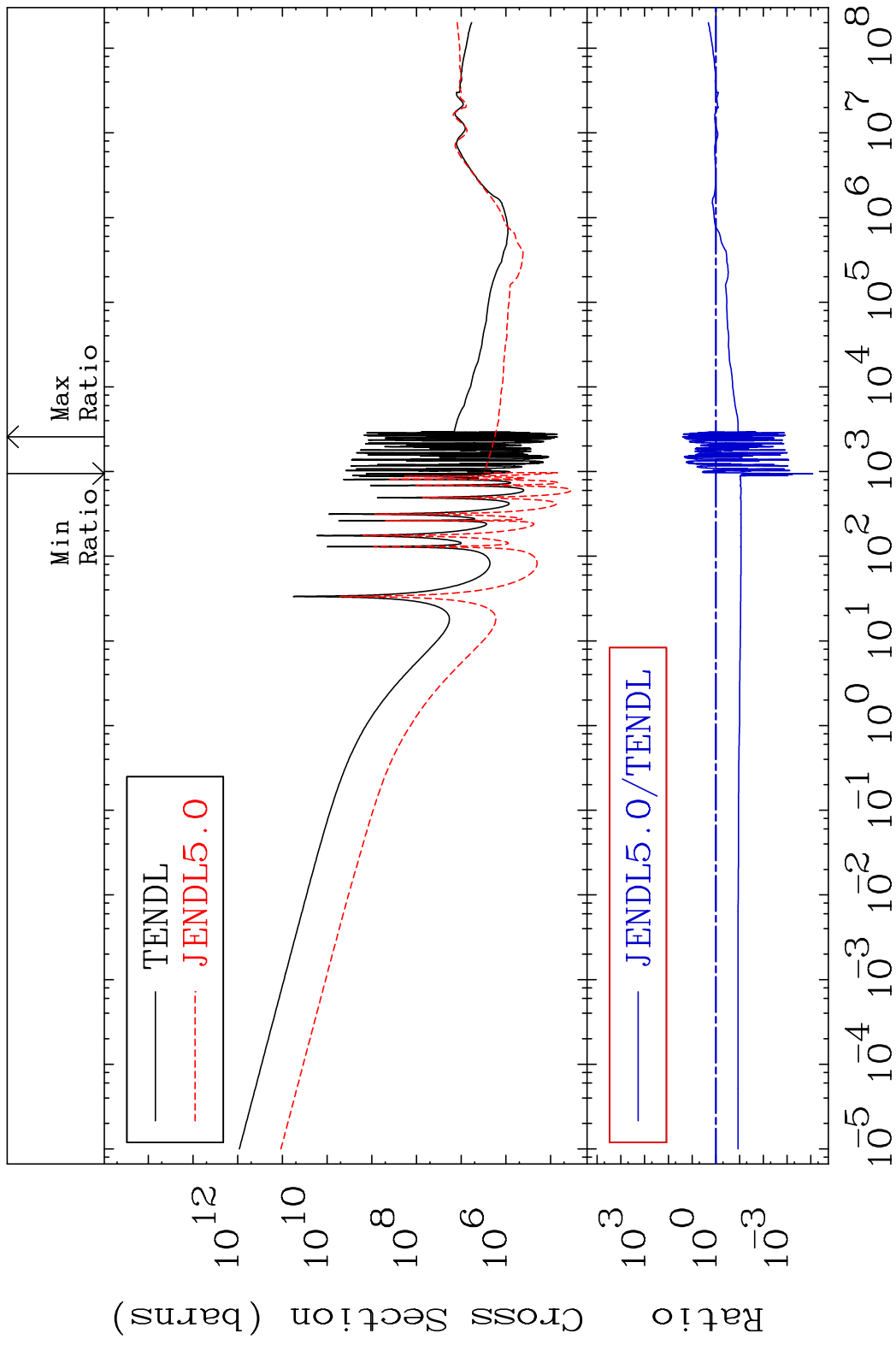


MAT 8034 Kerma capture (mt102) 80-Hg-199  
Cross Section -100.0 To 9999. %

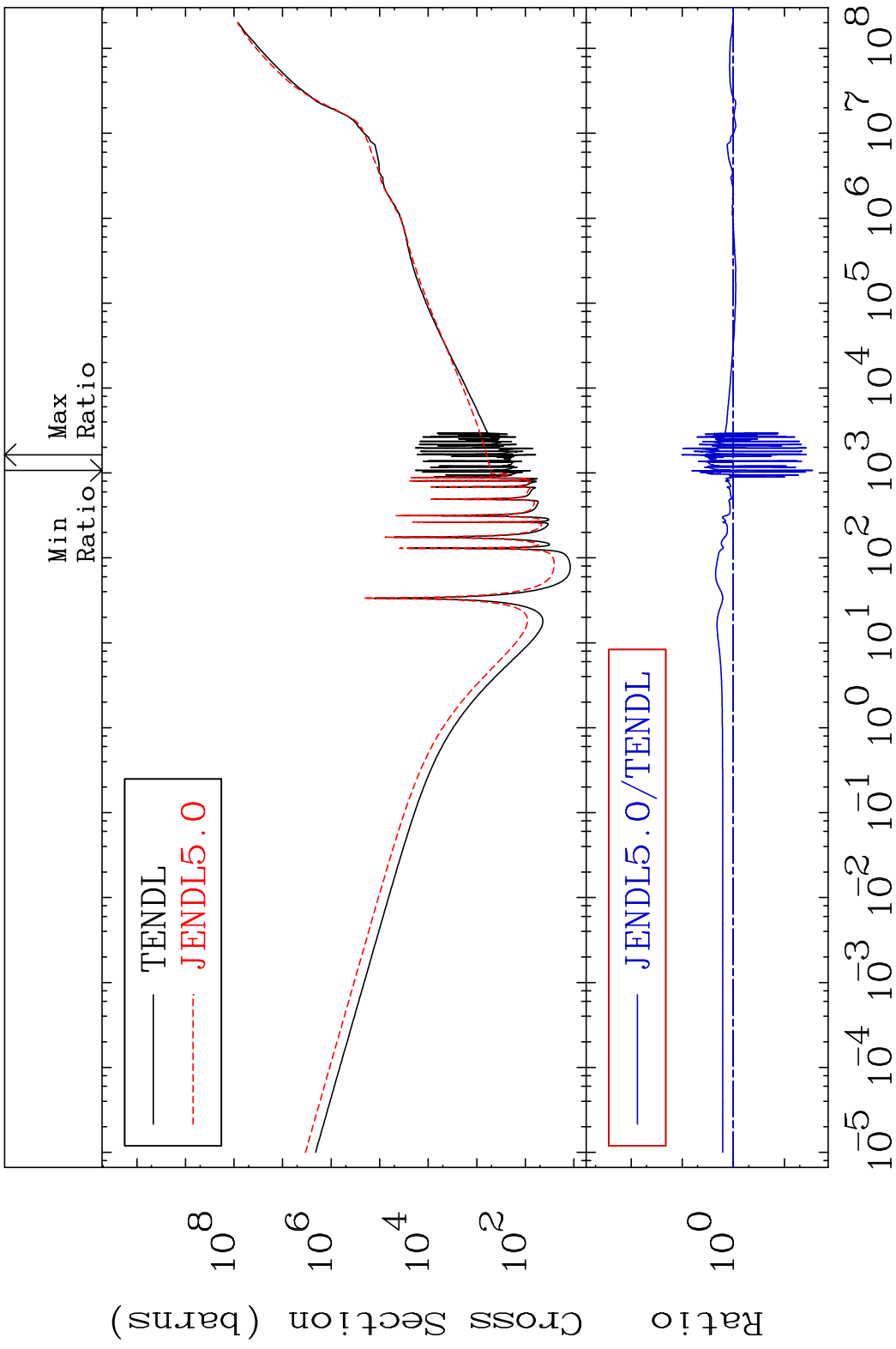


45 Incident Energy (eV) 80-Hg-199

MAT 8034 Total photon (eV-barns) 80-Hg-199  
 Cross Section -99.99 To 2481. %

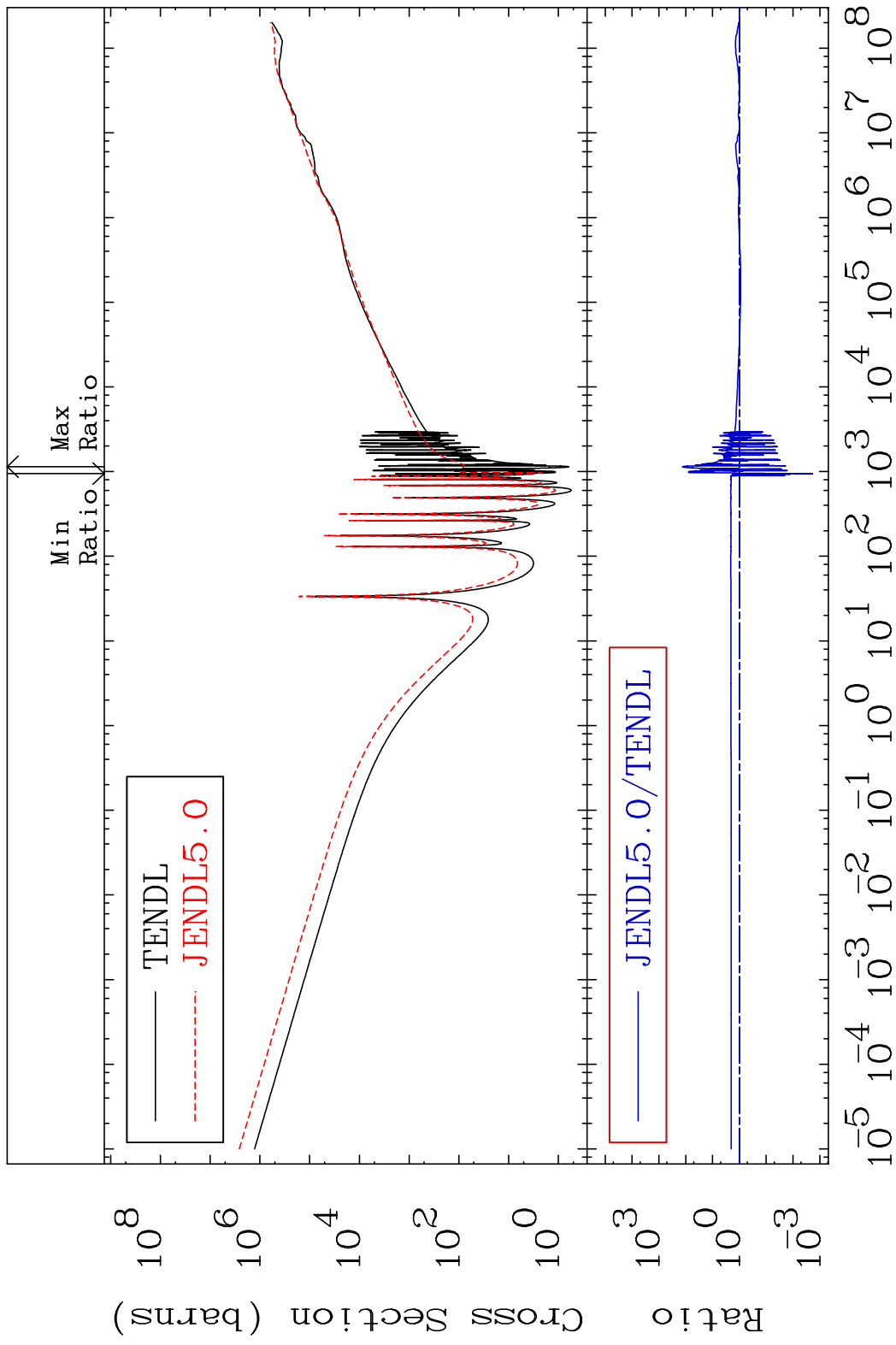


MAT 8034 Total kinematic kerma (high limit) 80-Hg-199  
Cross Section -97.16 To 923.5 %





MAT 8034      Dpa total (eV-barns)      80-Hg-199  
 Cross Section      -99.81 To 9999. %



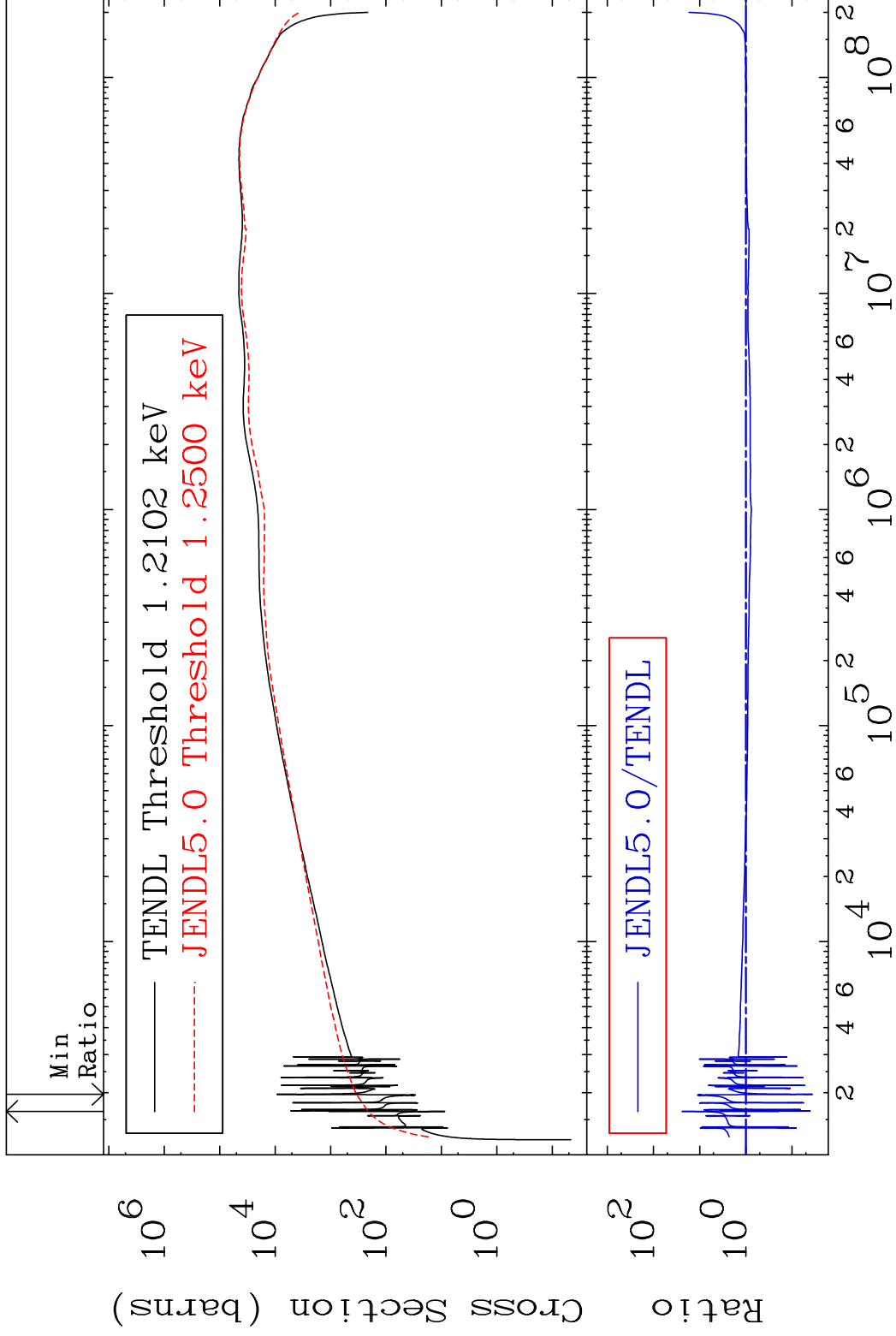
48      Incident Energy (eV)      80-Hg-199

MAT 8034

Dpa elastic (mt2)

80-Hg-199

Cross Section -96.41 To 2295. %

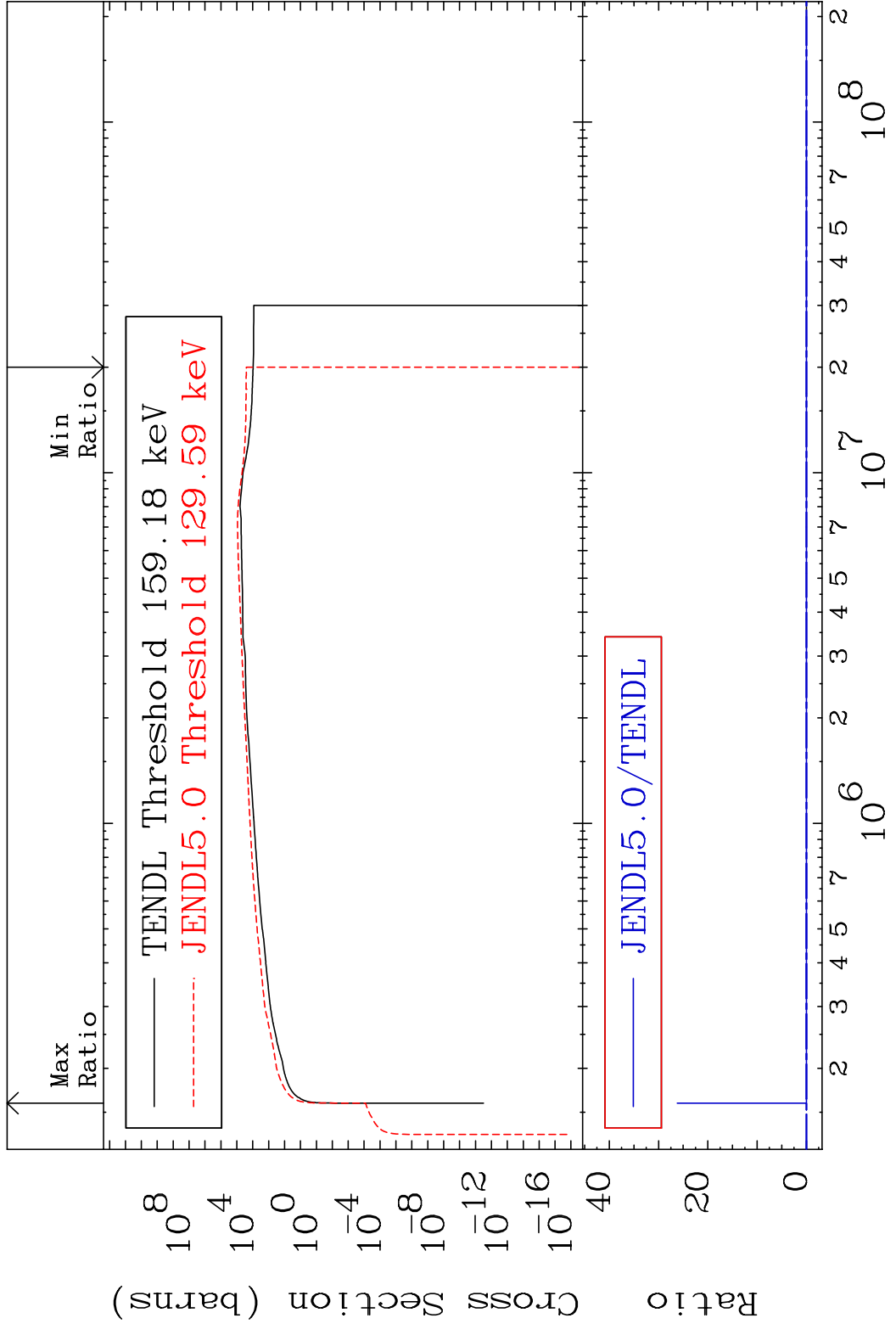


49

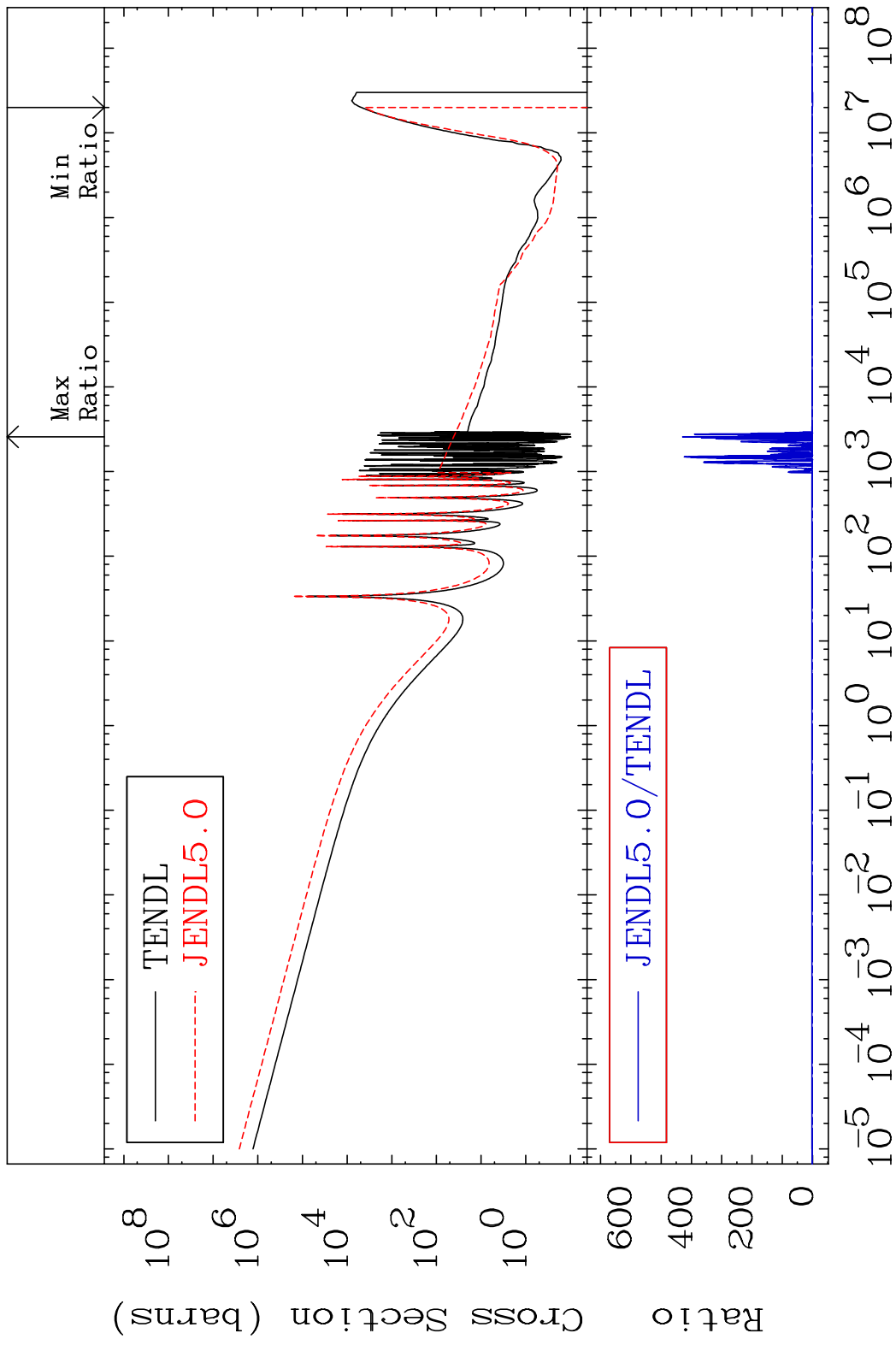
Incident Energy (eV)

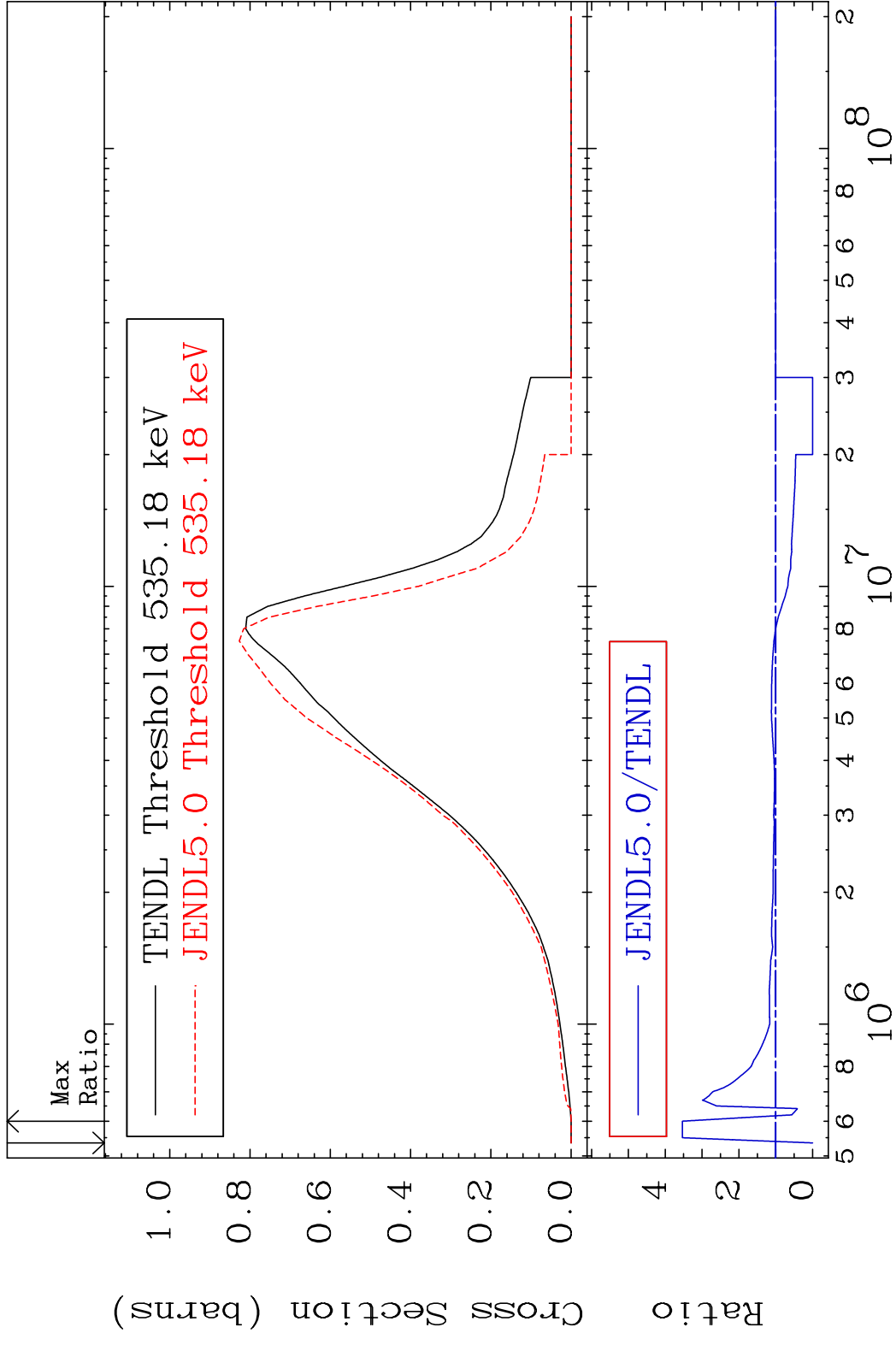
80-Hg-199

MAT 8034 Dpa inelastic (mt51-91) 80-Hg-199  
 Cross Section -100.0 To 9999. %

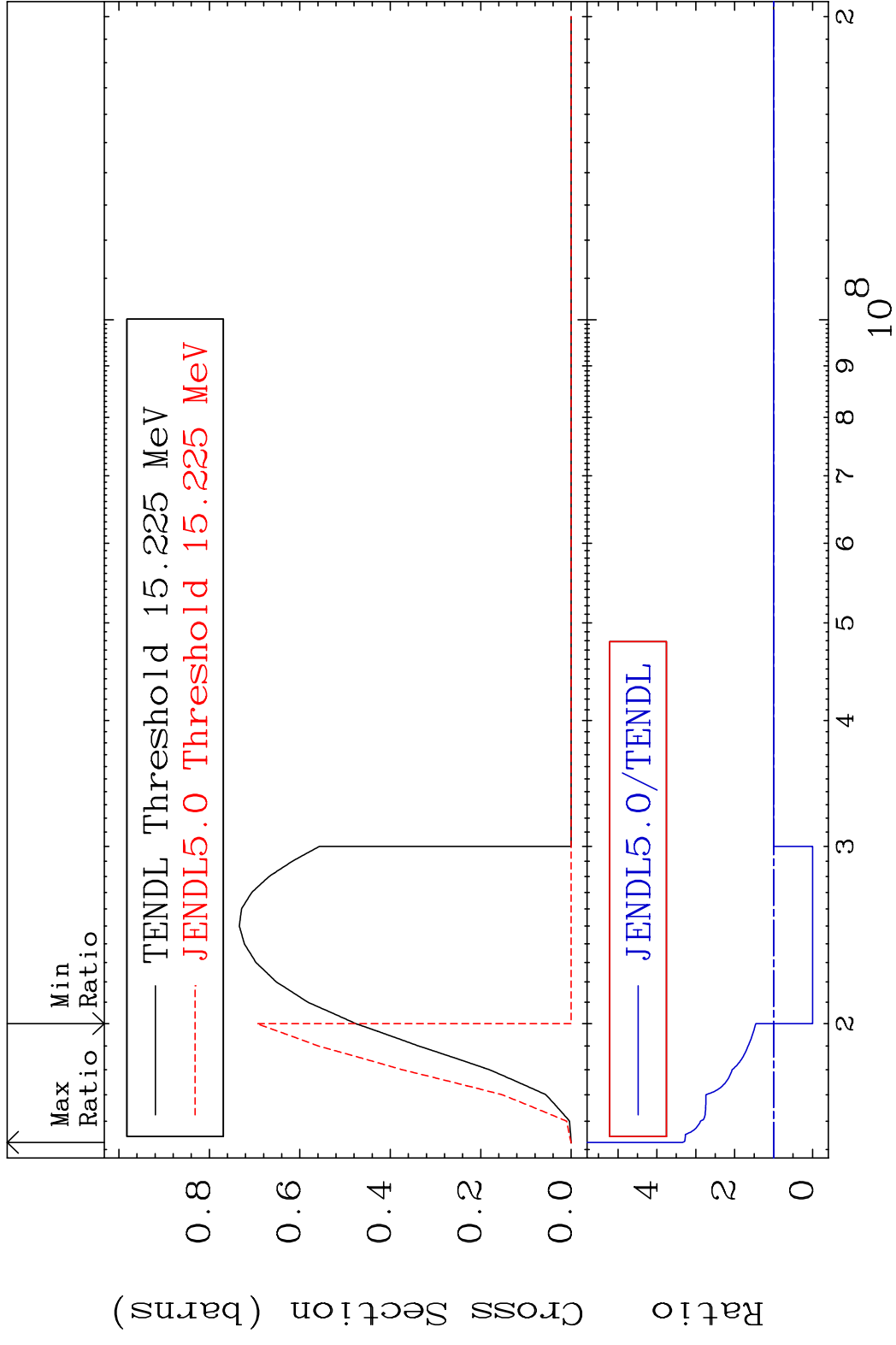


MAT 8034 Dpa disappearance (mt102 -120) 80-Hg-199  
 Cross Section -100.0 To 9999. %

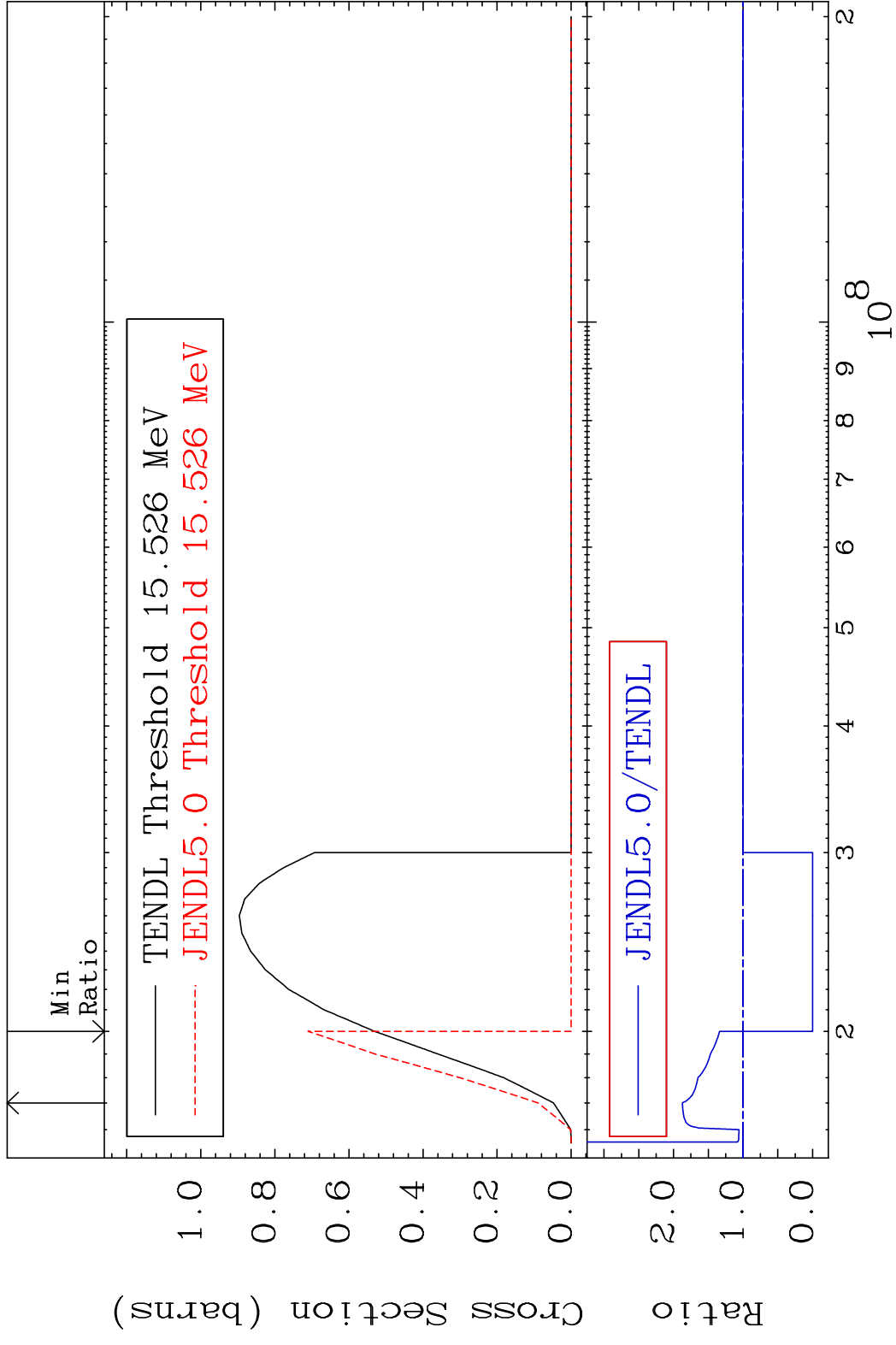




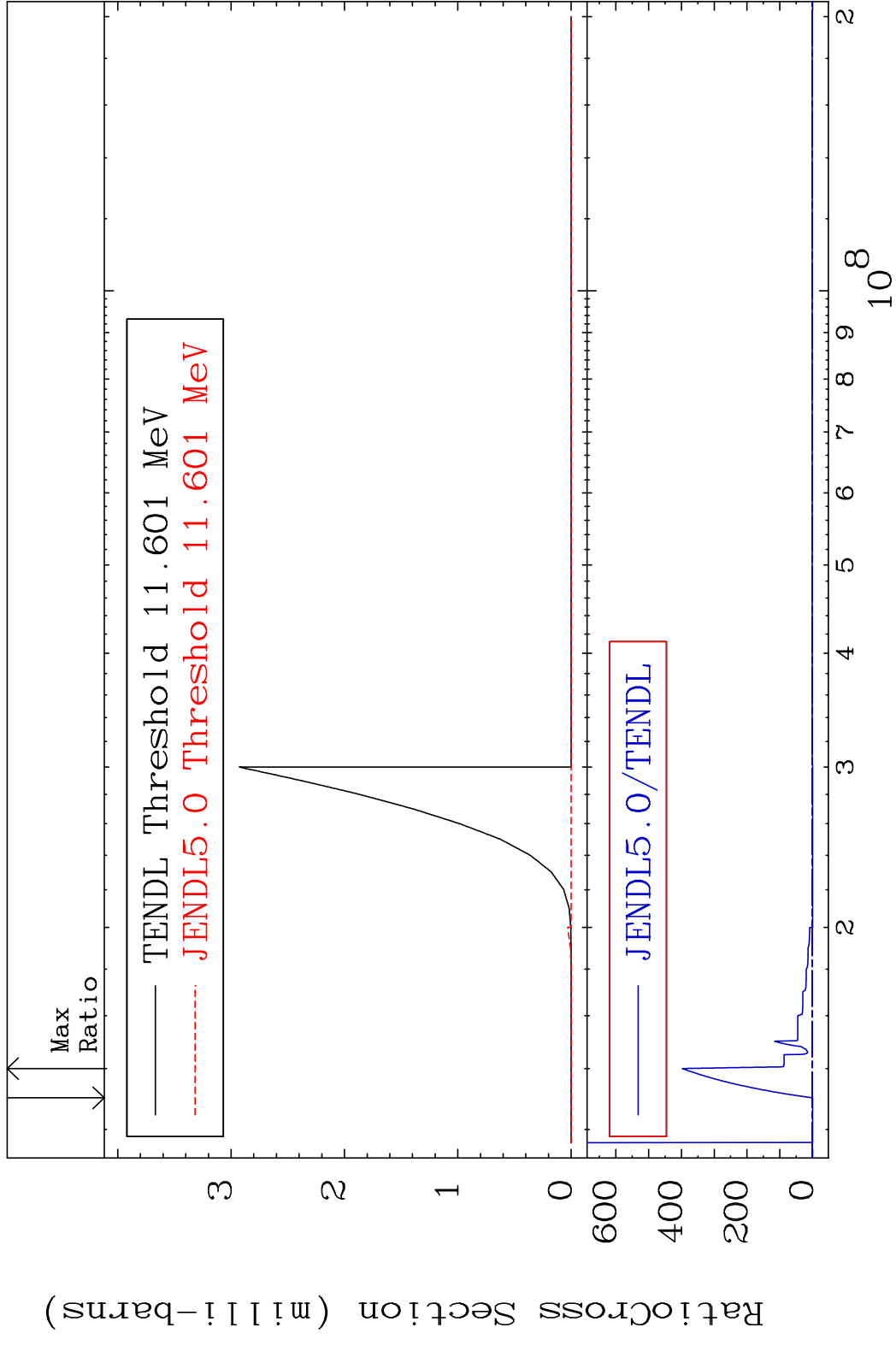
MAT 8034 (n,3n):80-Hg-197g 80-Hg-199  
 Radionuclide Production Cross Section 180.0 dth 234.6 %



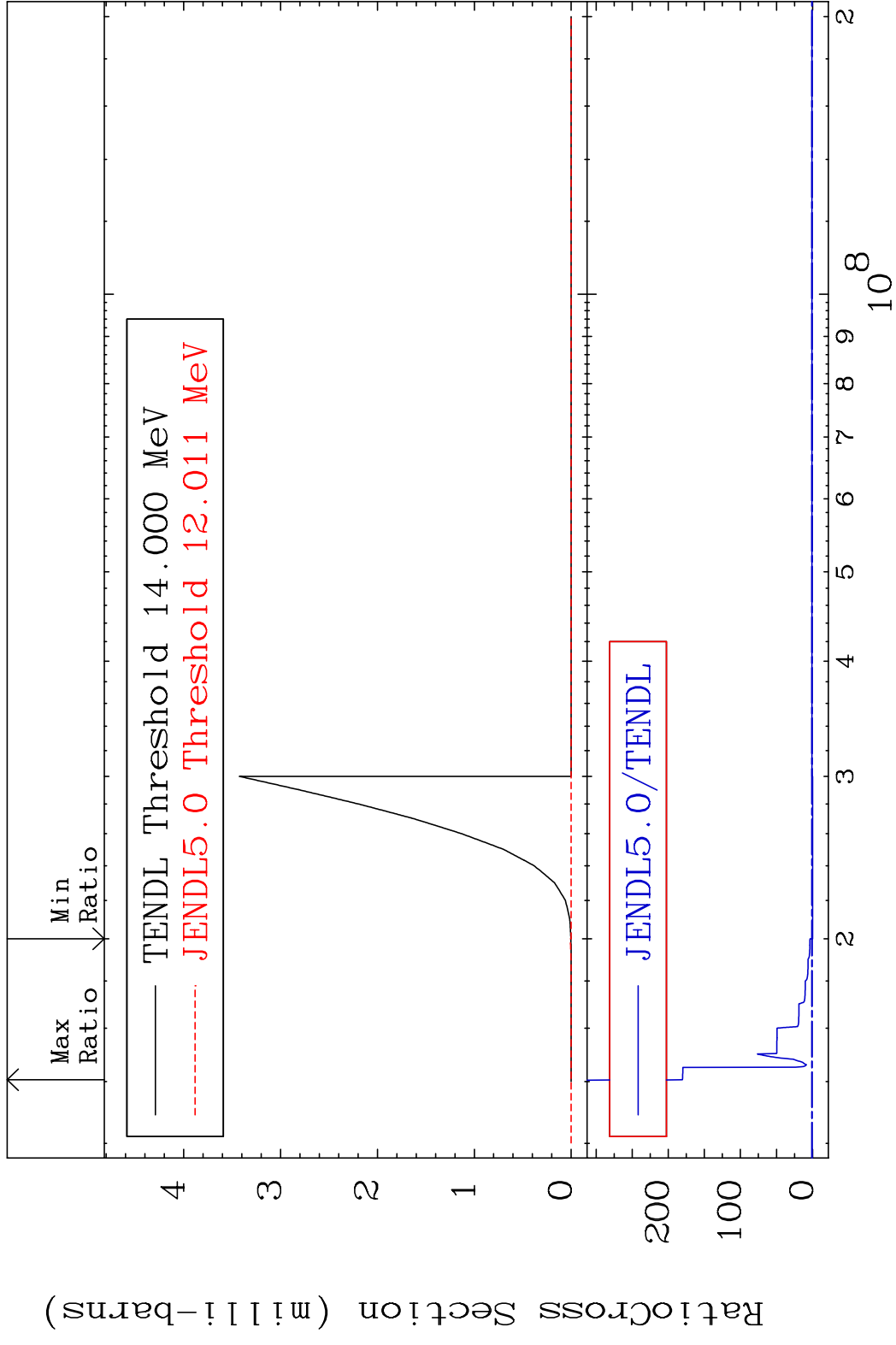
MAT 8034 (n, 3n):80-Hg-197m4 80-Hg-199  
 Radionuclide Production Cross Section Ratio 87.31 %

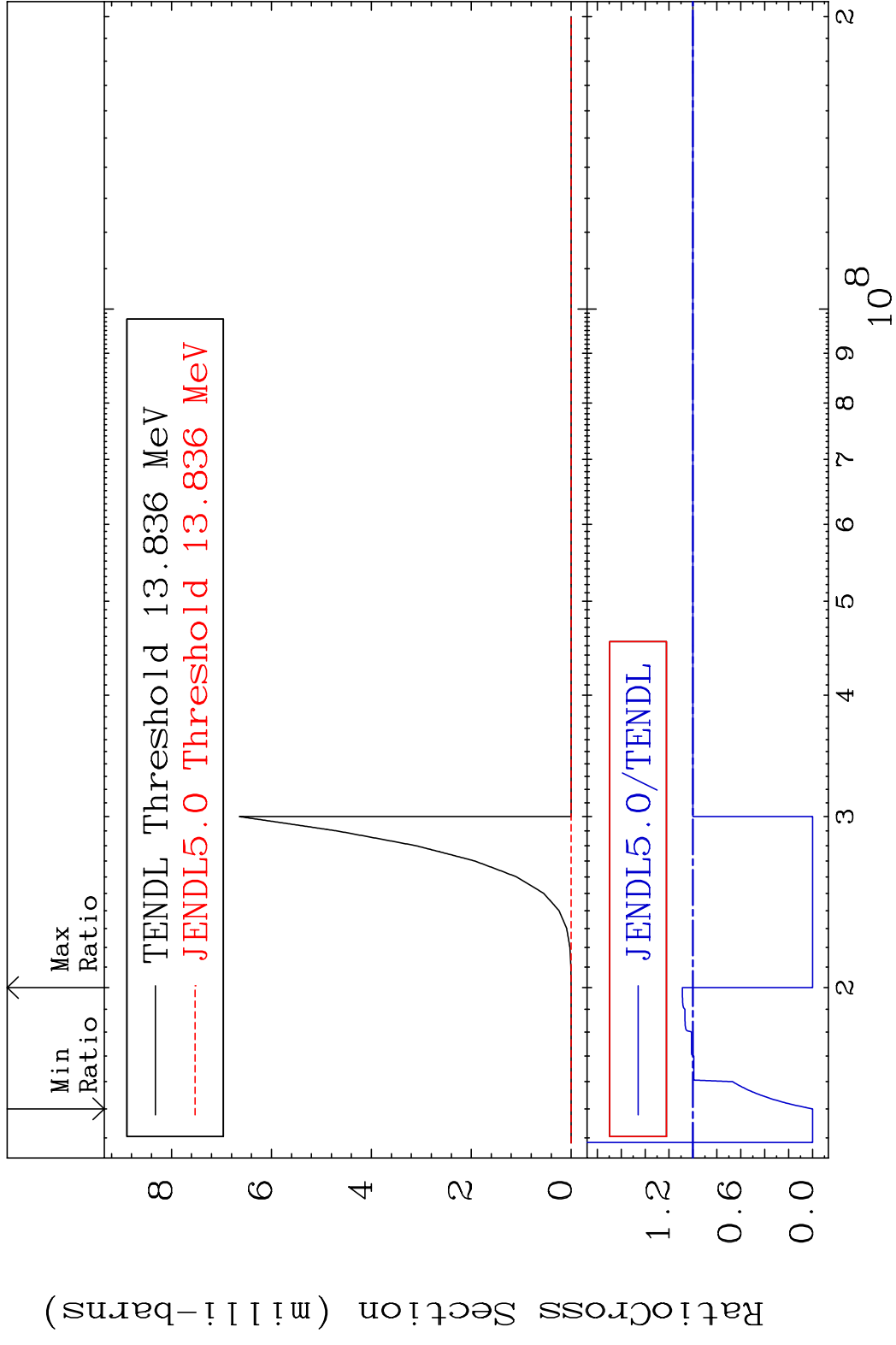


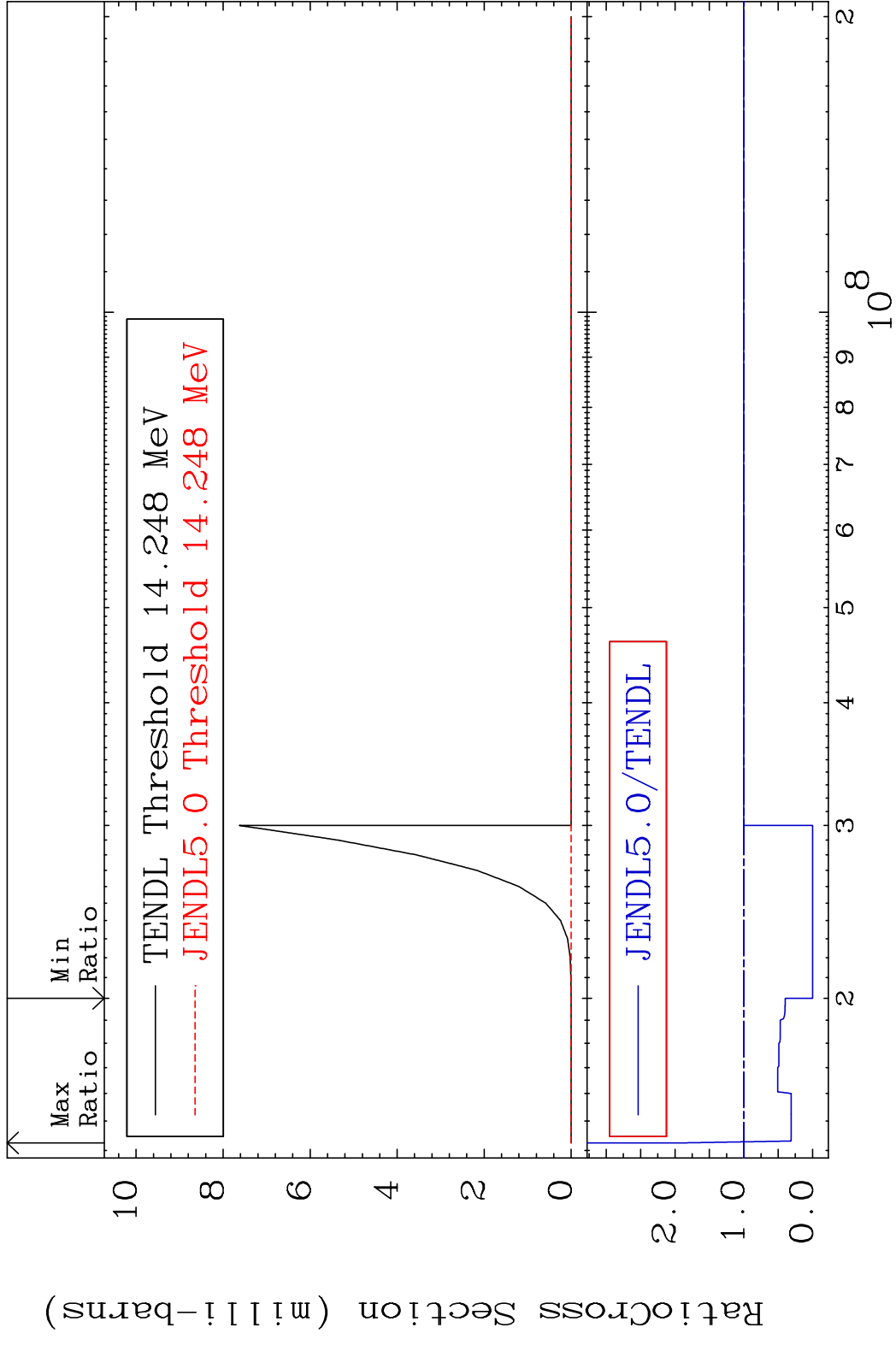
MAT 8034 (n, n') d:79-Au-197g 80-Hg-199  
 Radionuclide Production Cross Section Ratio 9999. %



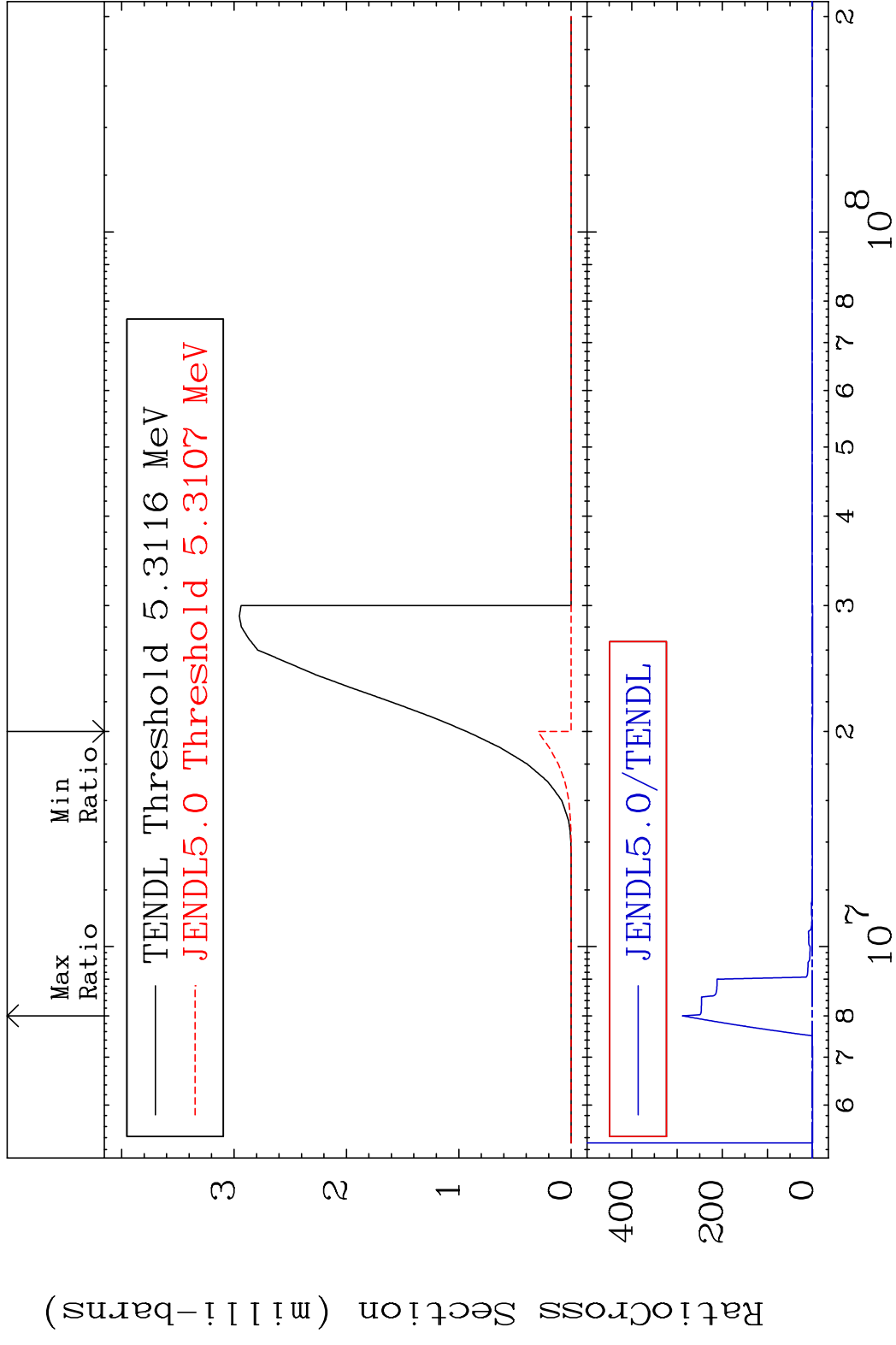




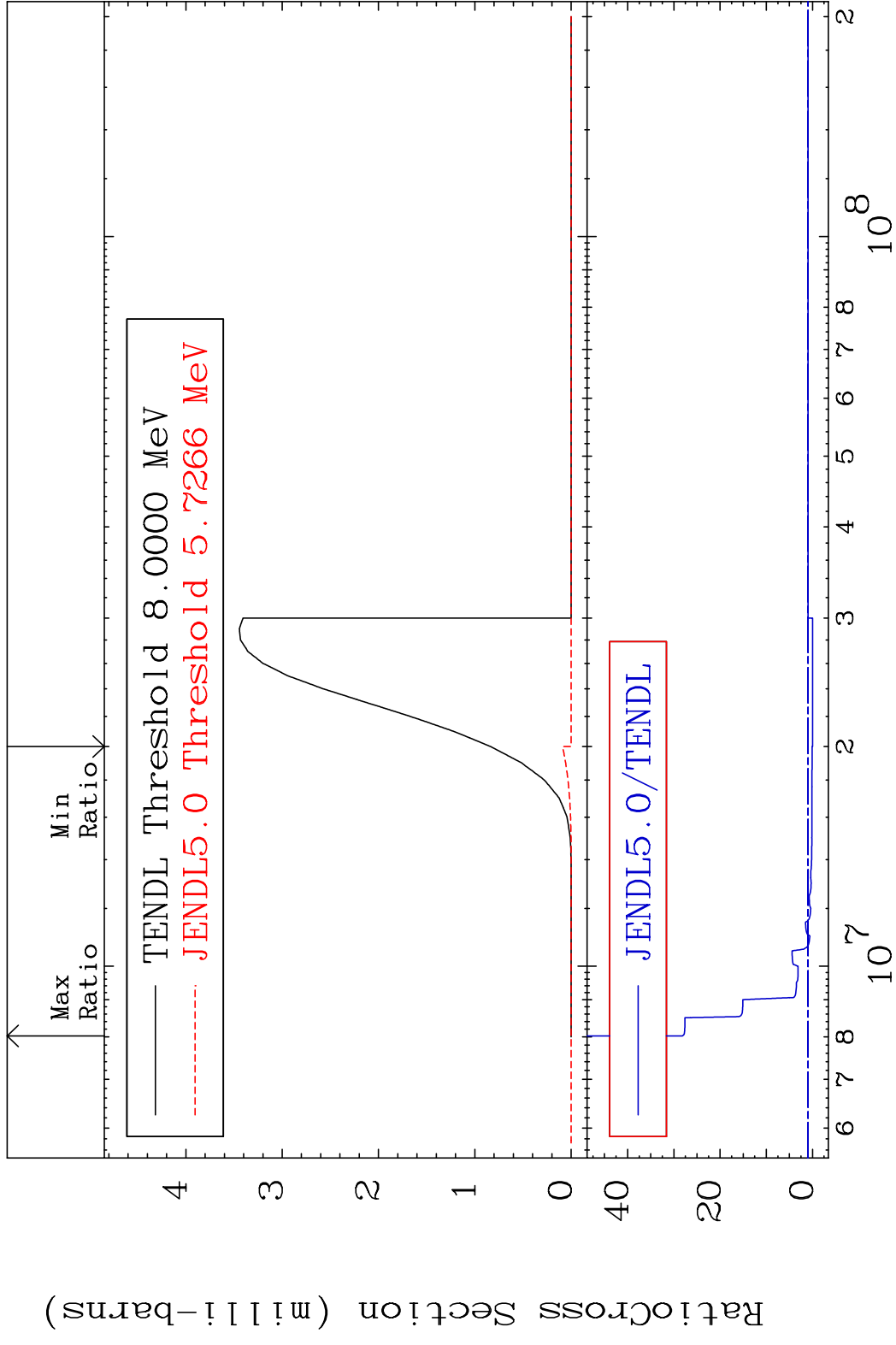




MAT 8034 (n, t): 79-Au-197g 80-Hg-199  
 Radionuclide Production Cross Section Ratio



MAT 8034 (n, t):79-Au-197m4 80-Hg-199  
 Radionuclide Production Cross Section Ratio 2716. %



60 Incident Energy (eV) 80-Hg-199

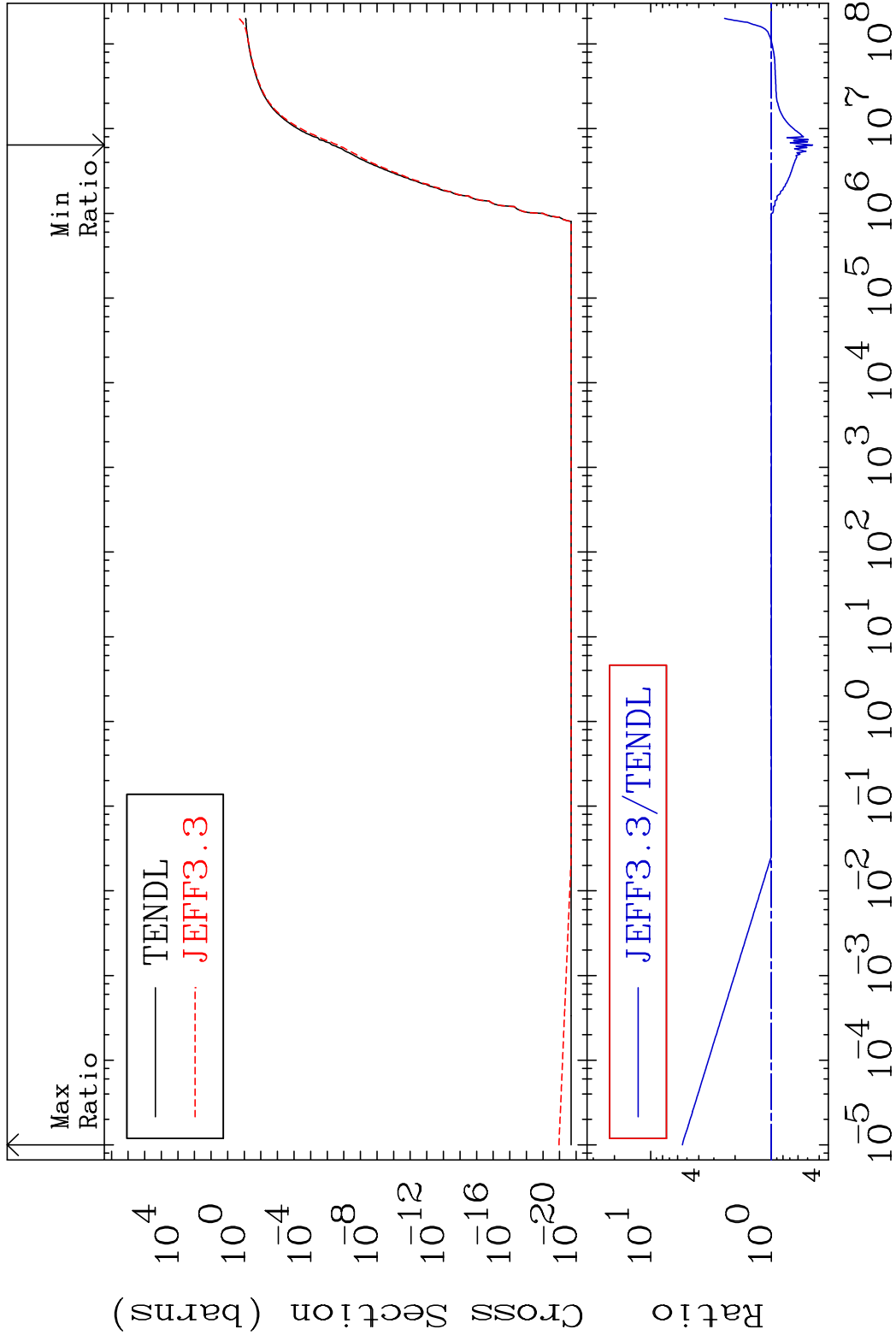
MAT 8034

Hydrogen Production

80-Hg-199

Cross Section

-54.62 To 446.8 %



61

Incident Energy (eV)

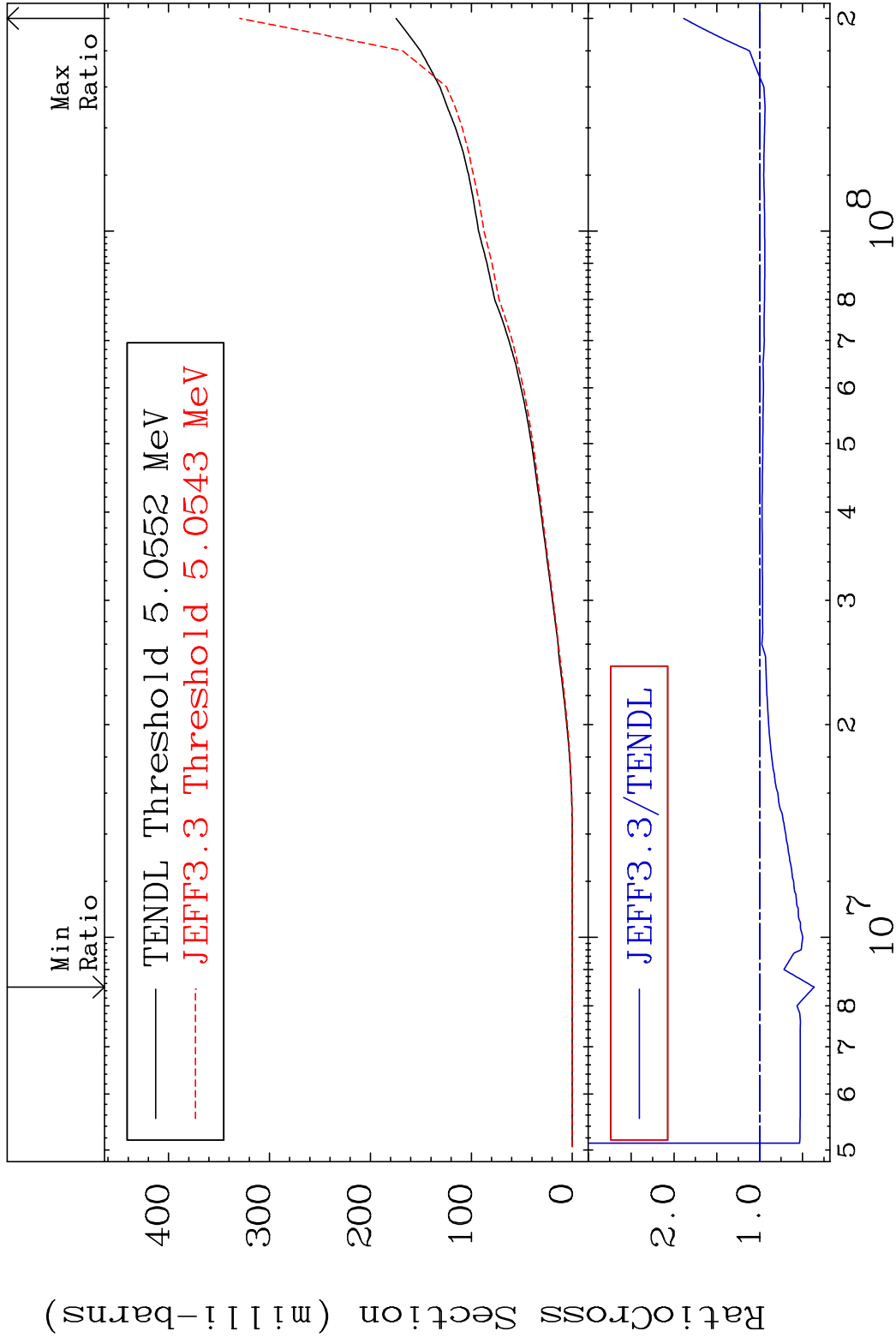
80-Hg-199

MAT 8034

Deuterium Production

80-Hg-199

Cross Section -63.52 To 88.74 %



62

Incident Energy (eV)

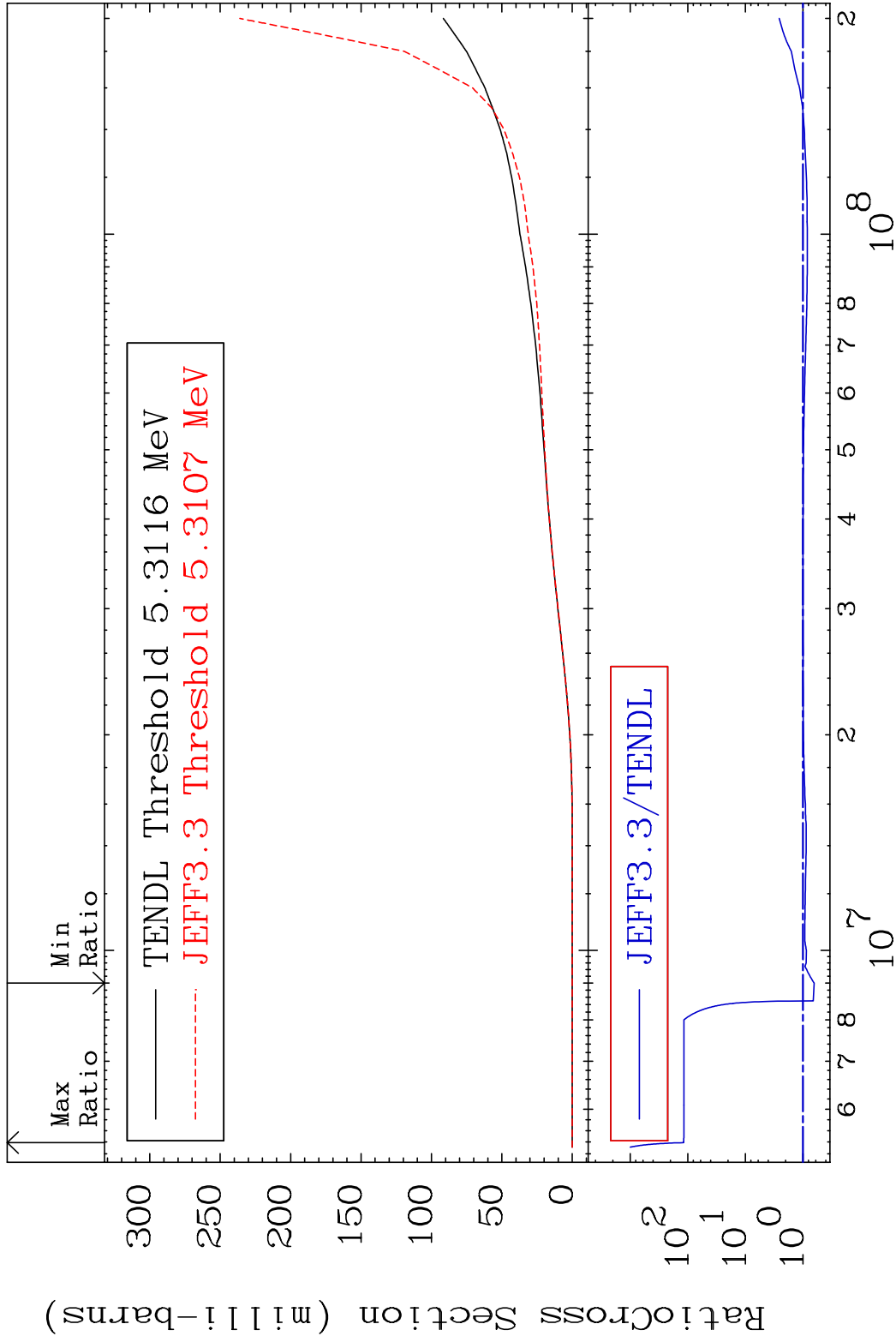
80-Hg-199

MAT 8034

Tritium Production

80-Hg-199

Cross Section -35.97 To 9999. %



63

Incident Energy (eV)

80-Hg-199

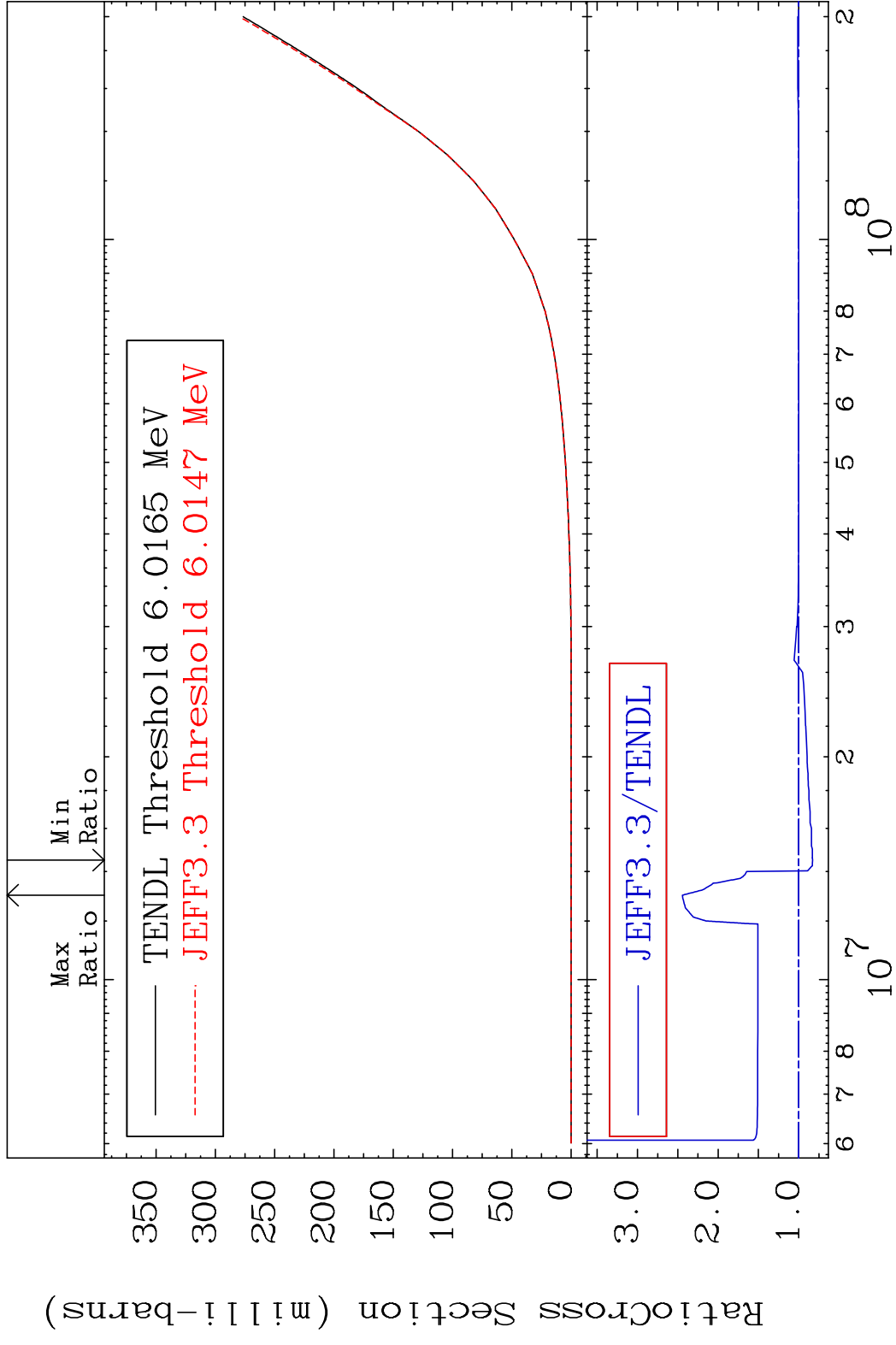


MAT 8034

He-3 Production

80-Hg-199

Cross Section -17.14 To 144.4 %



64

Incident Energy (eV)

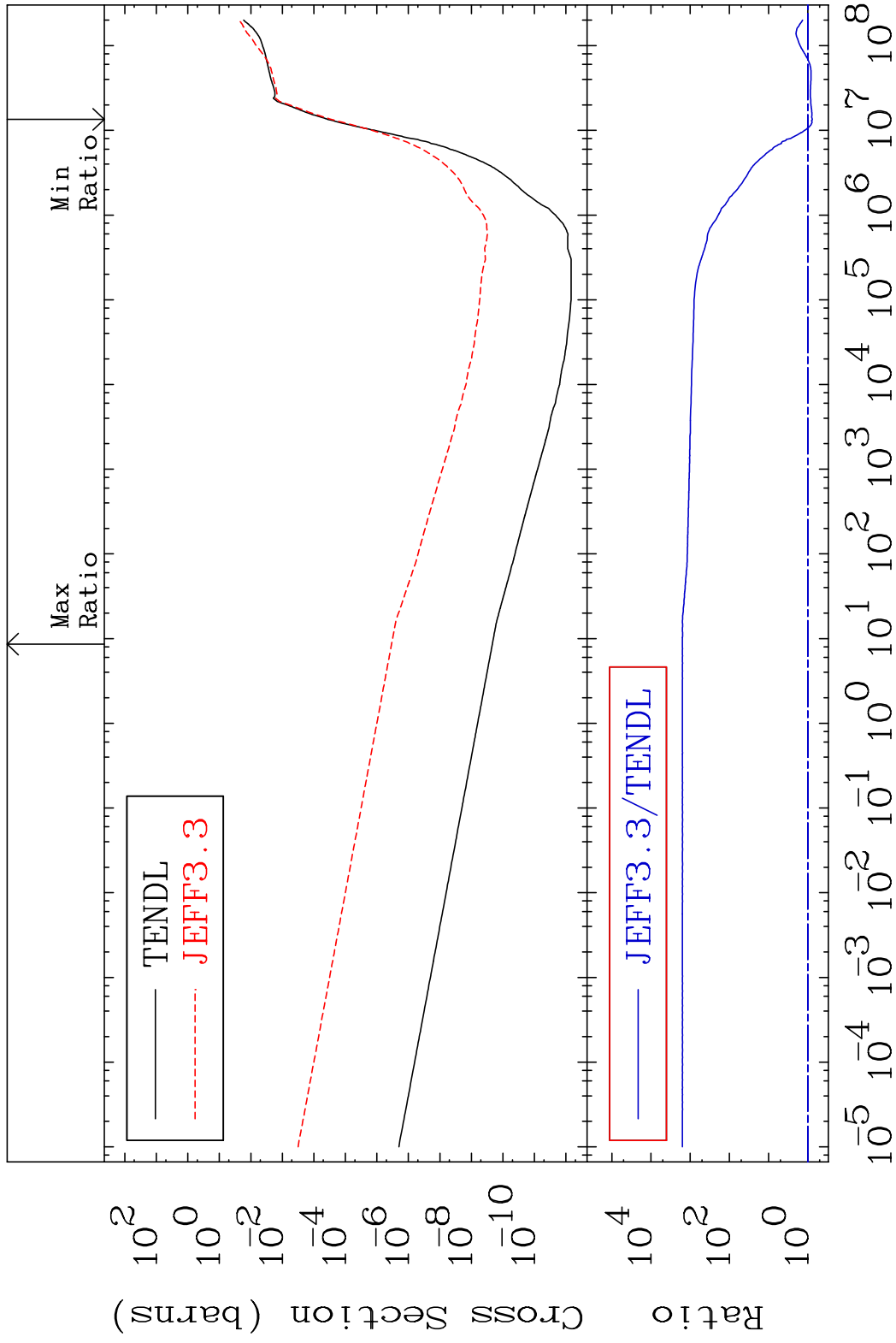
80-Hg-199

MAT 8034

He-4 Production

80-Hg-199

Cross Section -24.12 To 9999. %



65

Incident Energy (eV)

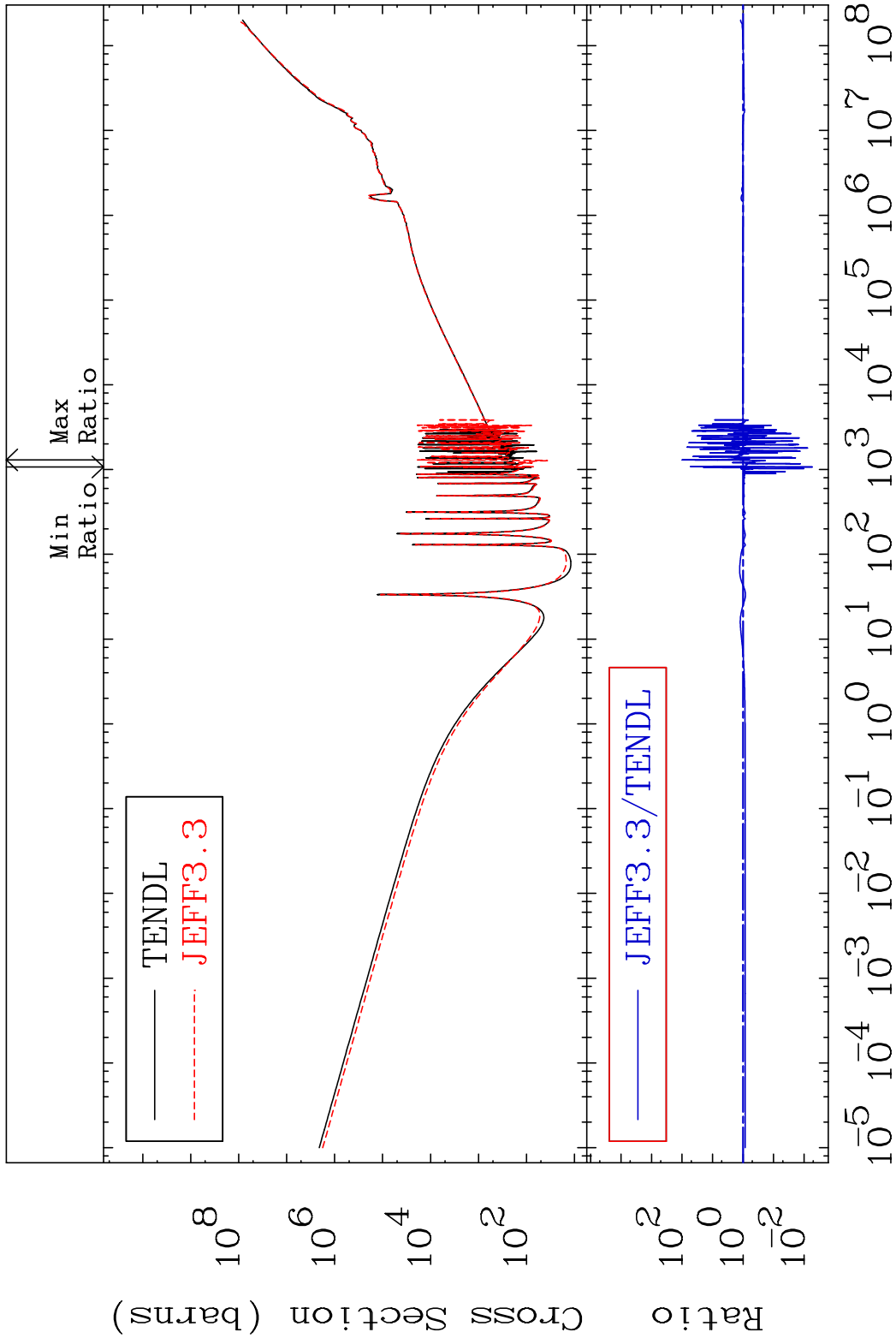
80-Hg-199

MAT 8034

Kerma total (eV-barns)

80-Hg-199

Cross Section -99.47 To 9834. %



66

Incident Energy (eV)

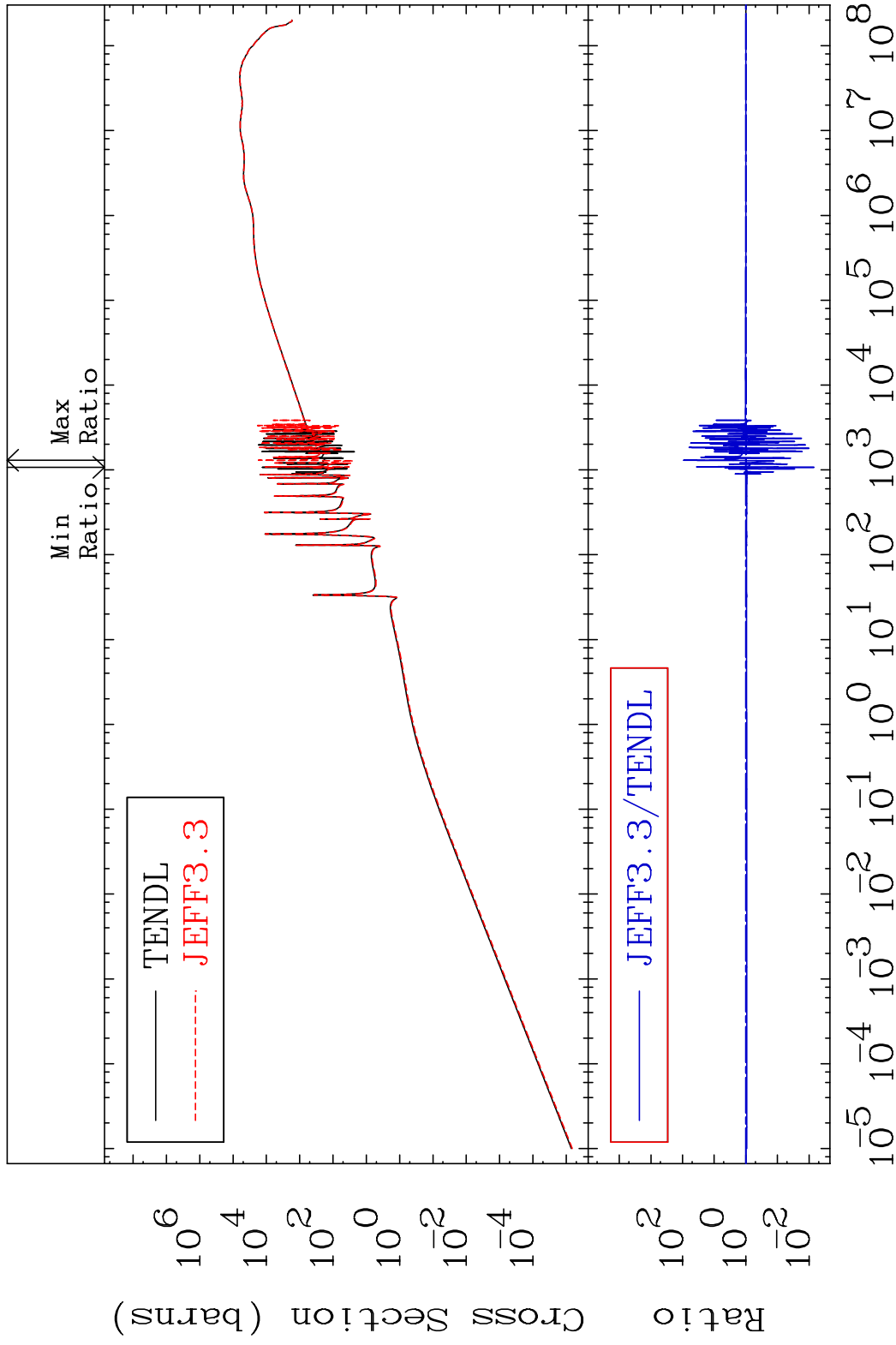
80-Hg-199

MAT 8034

Kerma elastic

80-Hg-199

Cross Section -99.31 To 9122. %

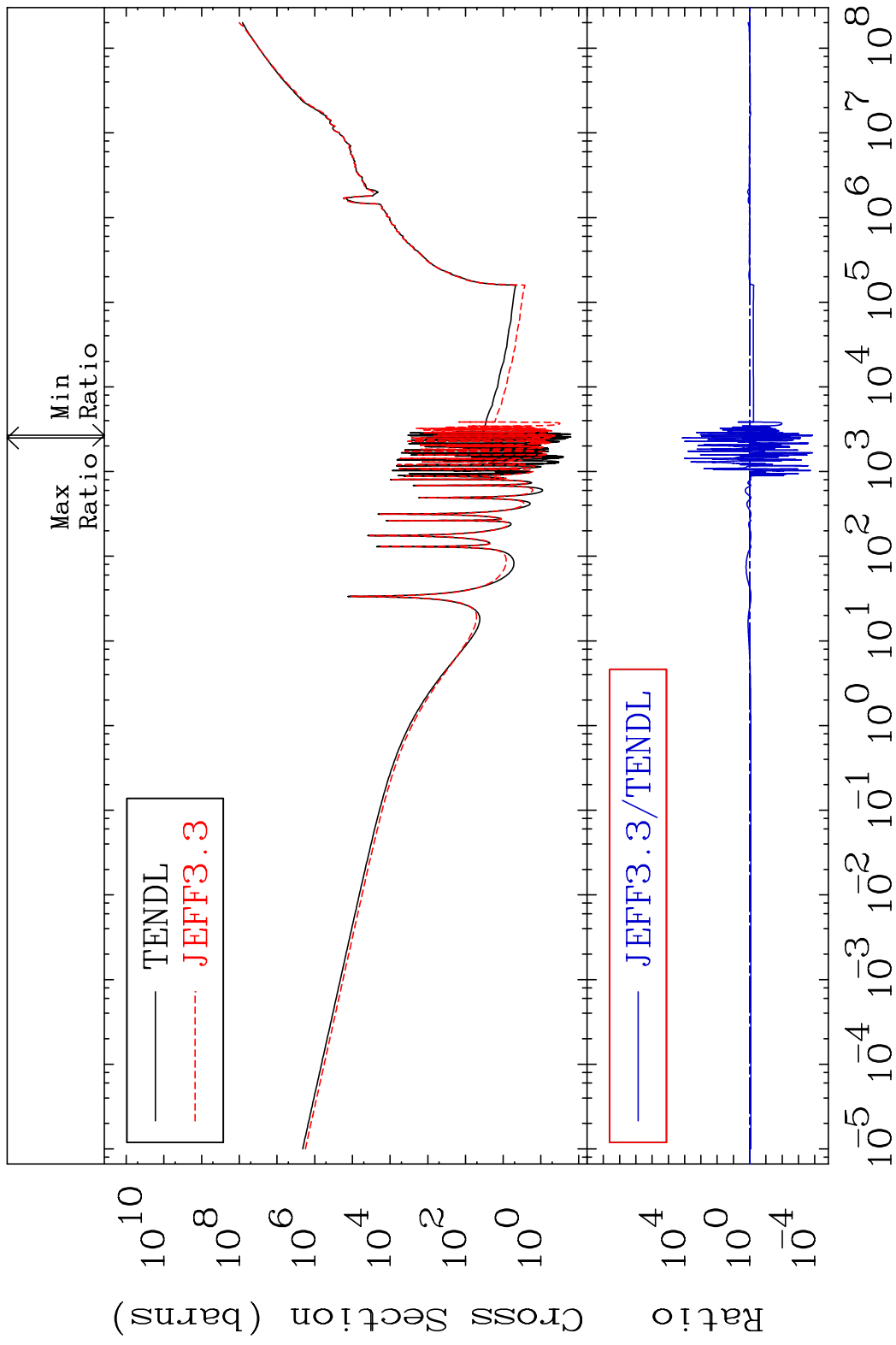


67

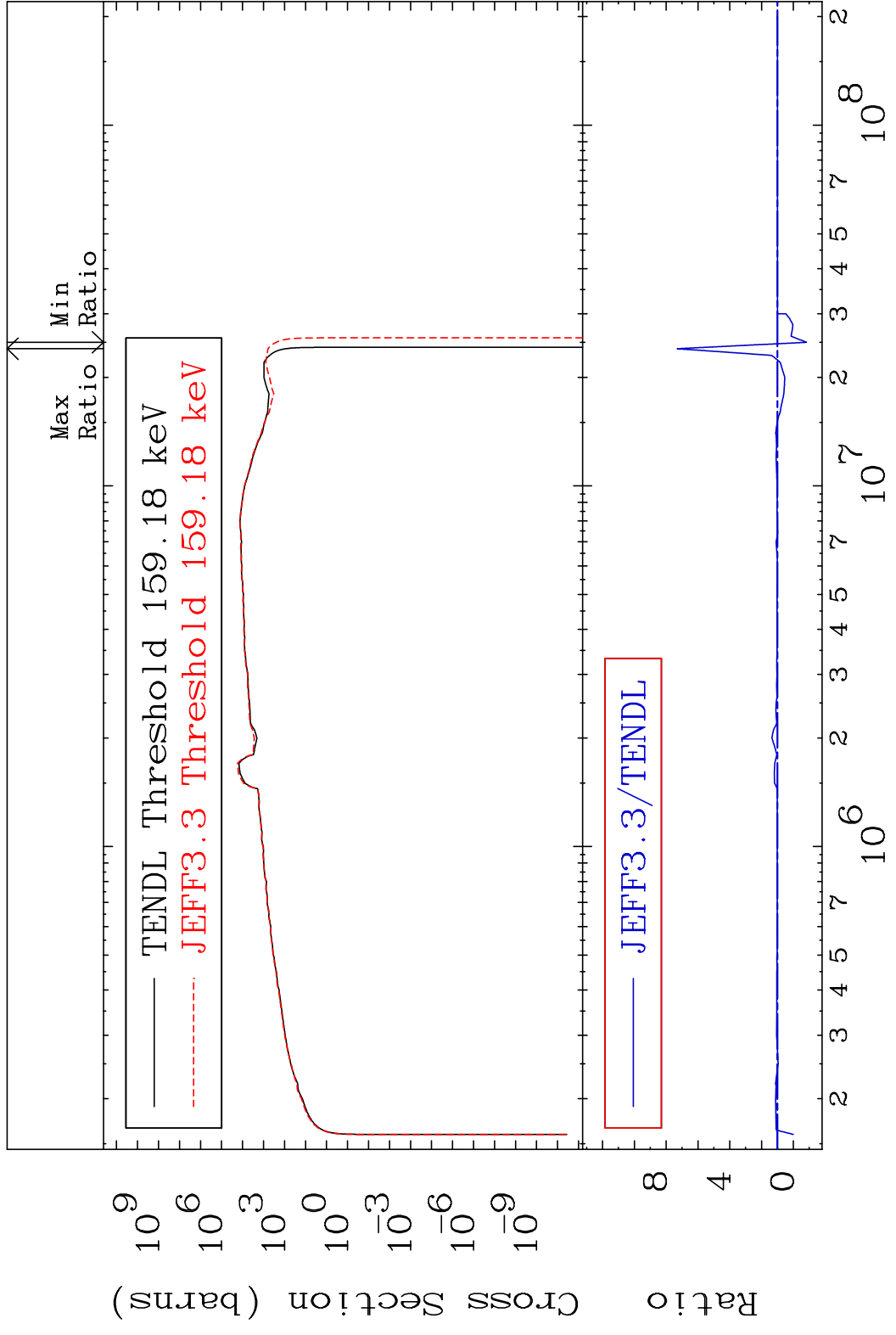
Incident Energy (eV)

80-Hg-199

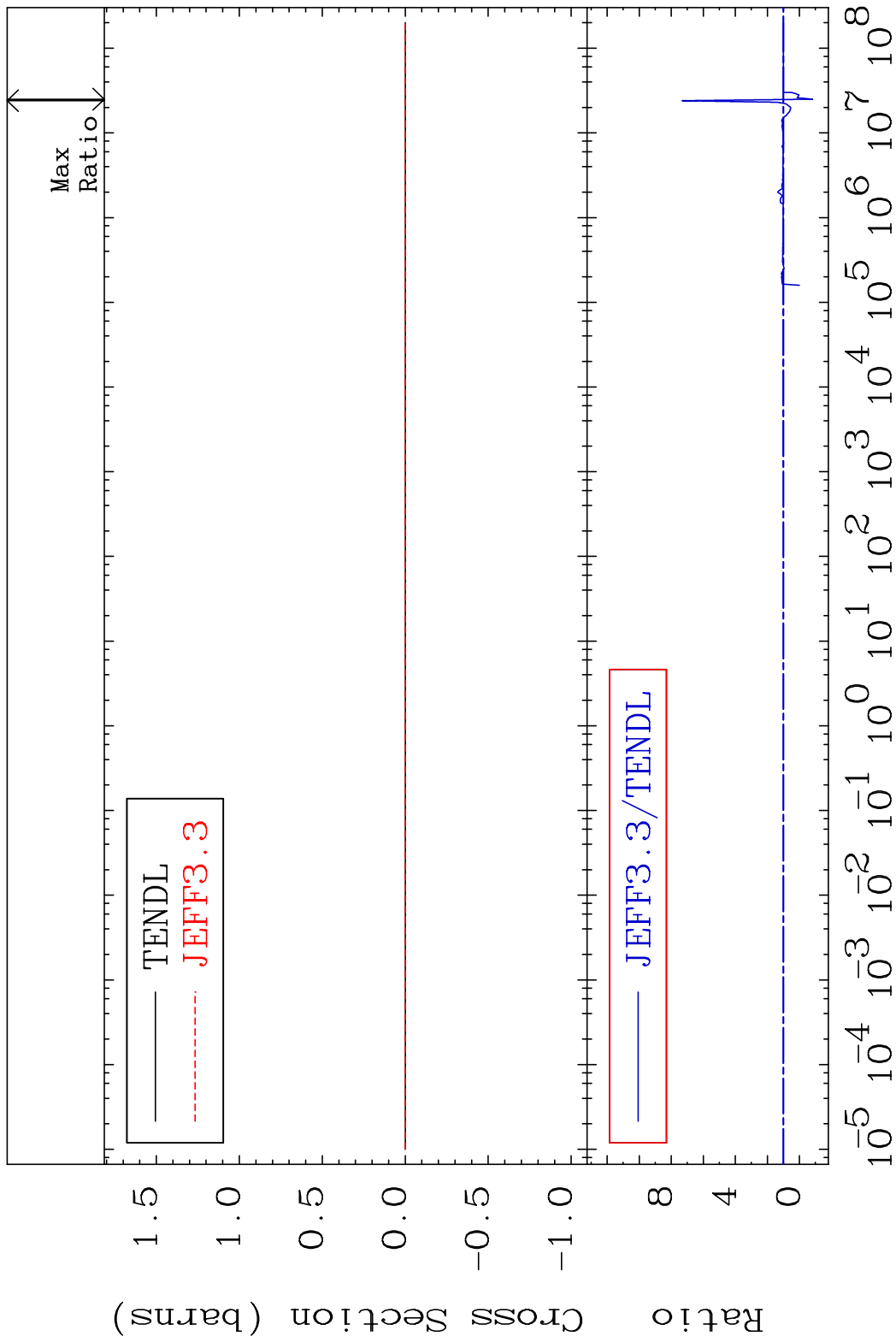
MAT 8034 Kerma non-elastic (all but mt2) 80-Hg-199  
 Cross Section -99.99 To 9999. %



MAT 8034 Kerma inelastic (mt51-91) 80-Hg-199  
 Cross Section -182.2 To 630.6 %



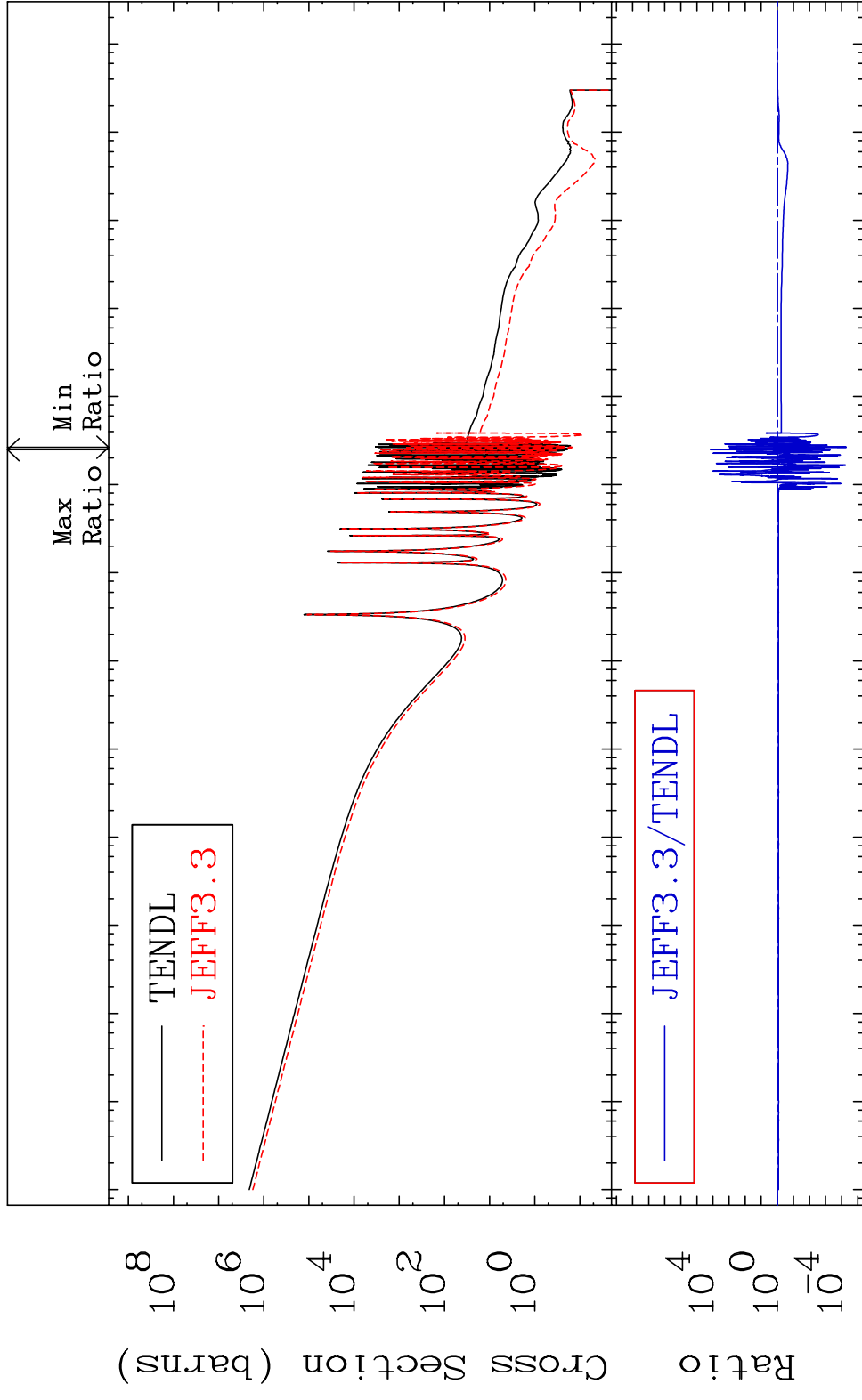
MAT 8034 Kerma fission (mt18 or mt19-20-21-38)80-Hg-199  
 Cross Section -182.2 To 630.6 %



70 Incident Energy (eV) 80-Hg-199

MAT 8034

Kerma capture (mt102) 80-Hg-199  
Cross Section -99.99 To 9999. %



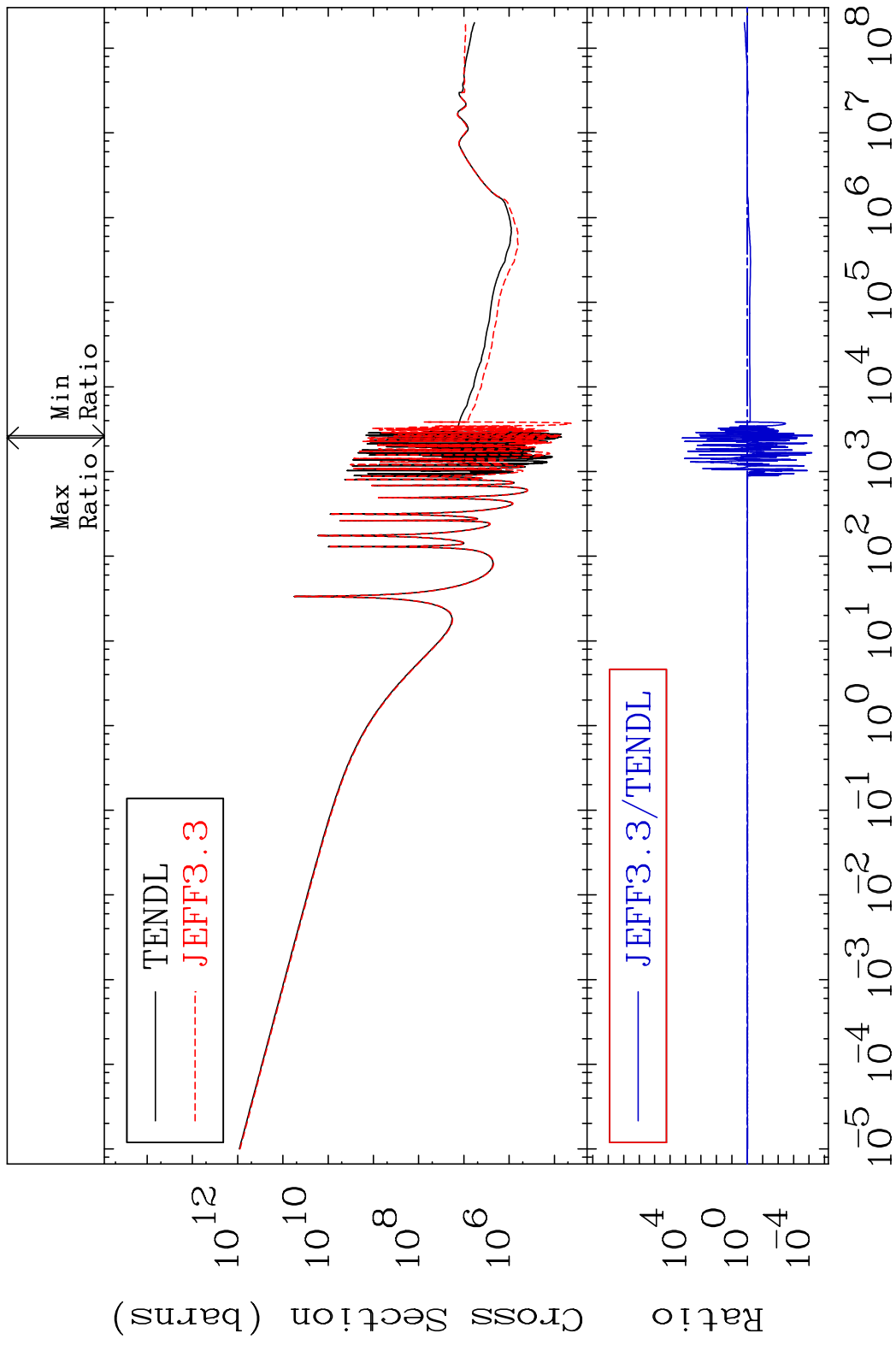
71

Incident Energy (eV)

80-Hg-199

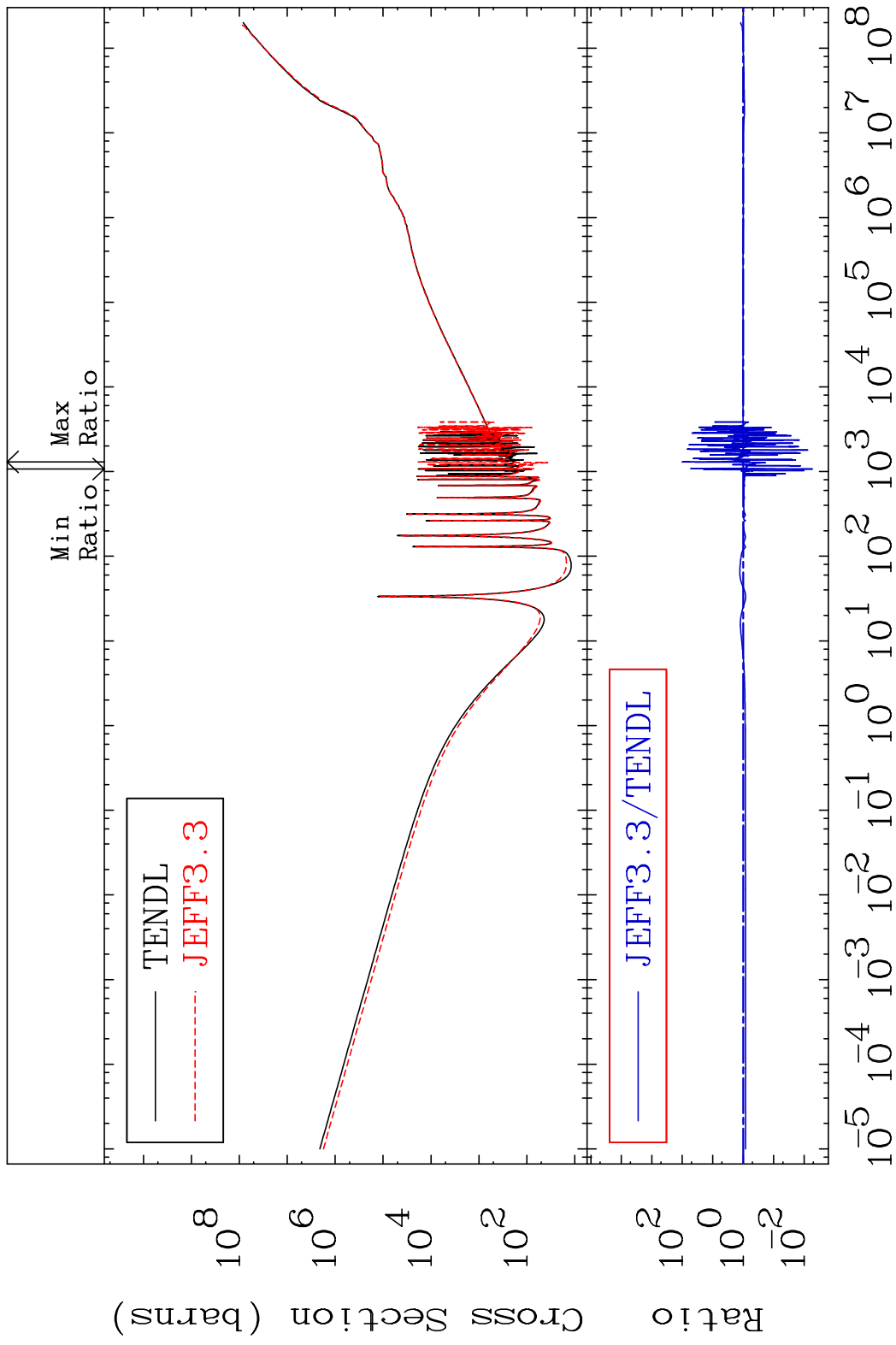


MAT 8034 Total photon (eV-barns) 80-Hg-199  
 Cross Section -99.99 To 9999. %



72 Incident Energy (eV) 80-Hg-199

MAT 8034 Total kinematic kerma (high limit) 80-Hg-199  
 Cross Section -99.47 To 9834. %

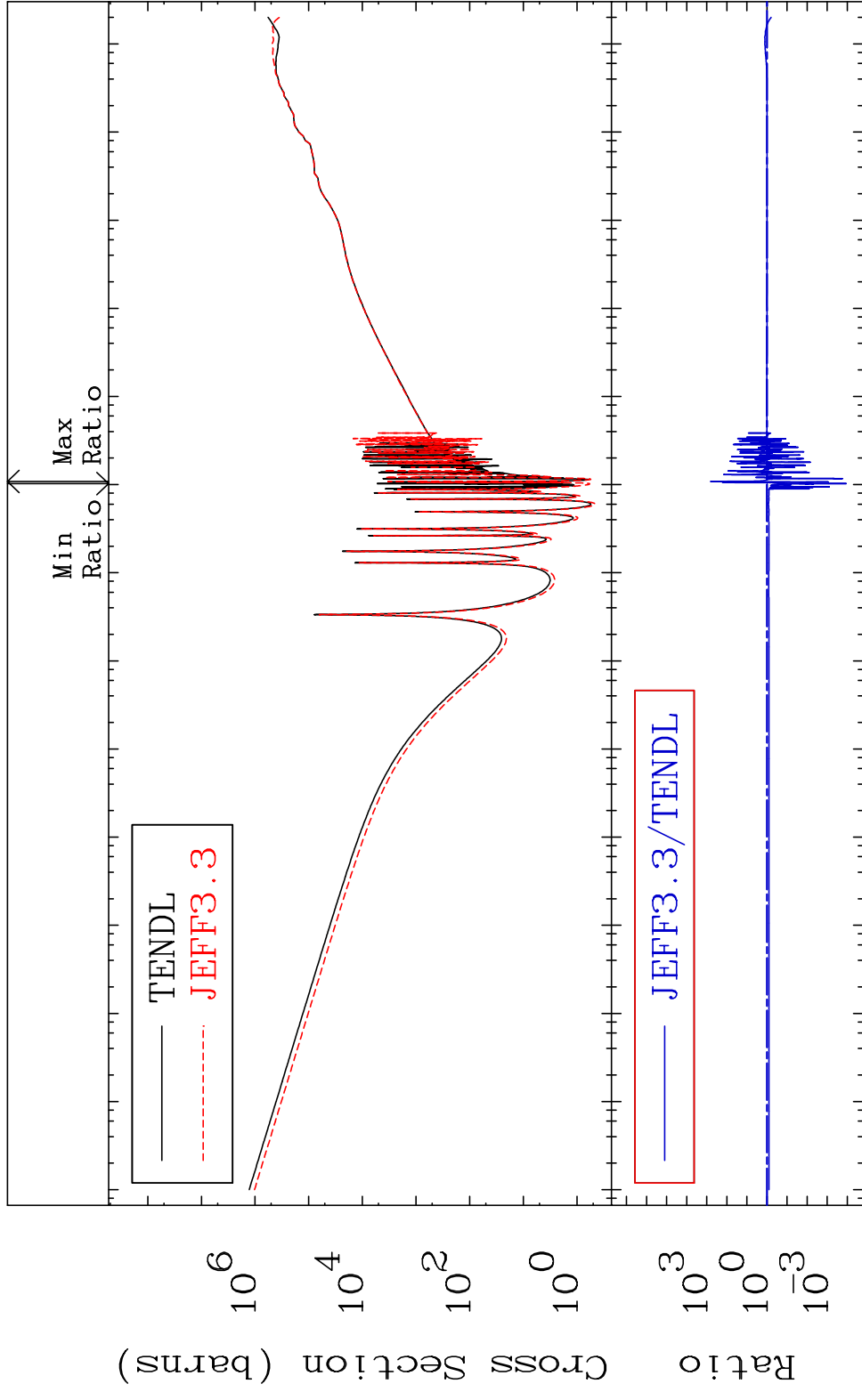


MAT 8034

Dpa total (eV-barns)

80-Hg-199

Cross Section -99.99 To 9999. %



74

Incident Energy (eV)

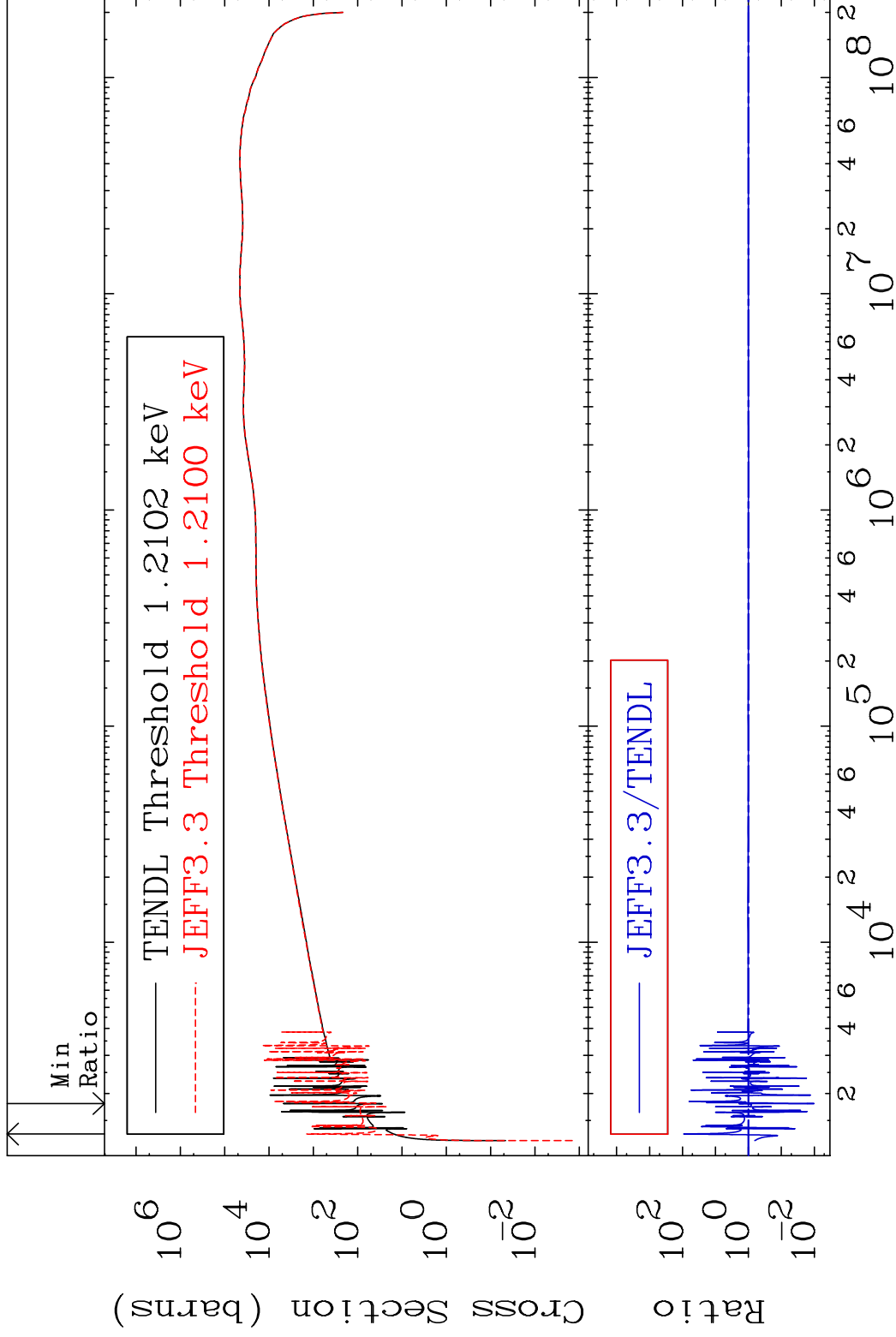
80-Hg-199

MAT 8034

Dpa elastic (mt2)

80-Hg-199

Cross Section -98.99 To 9122. %

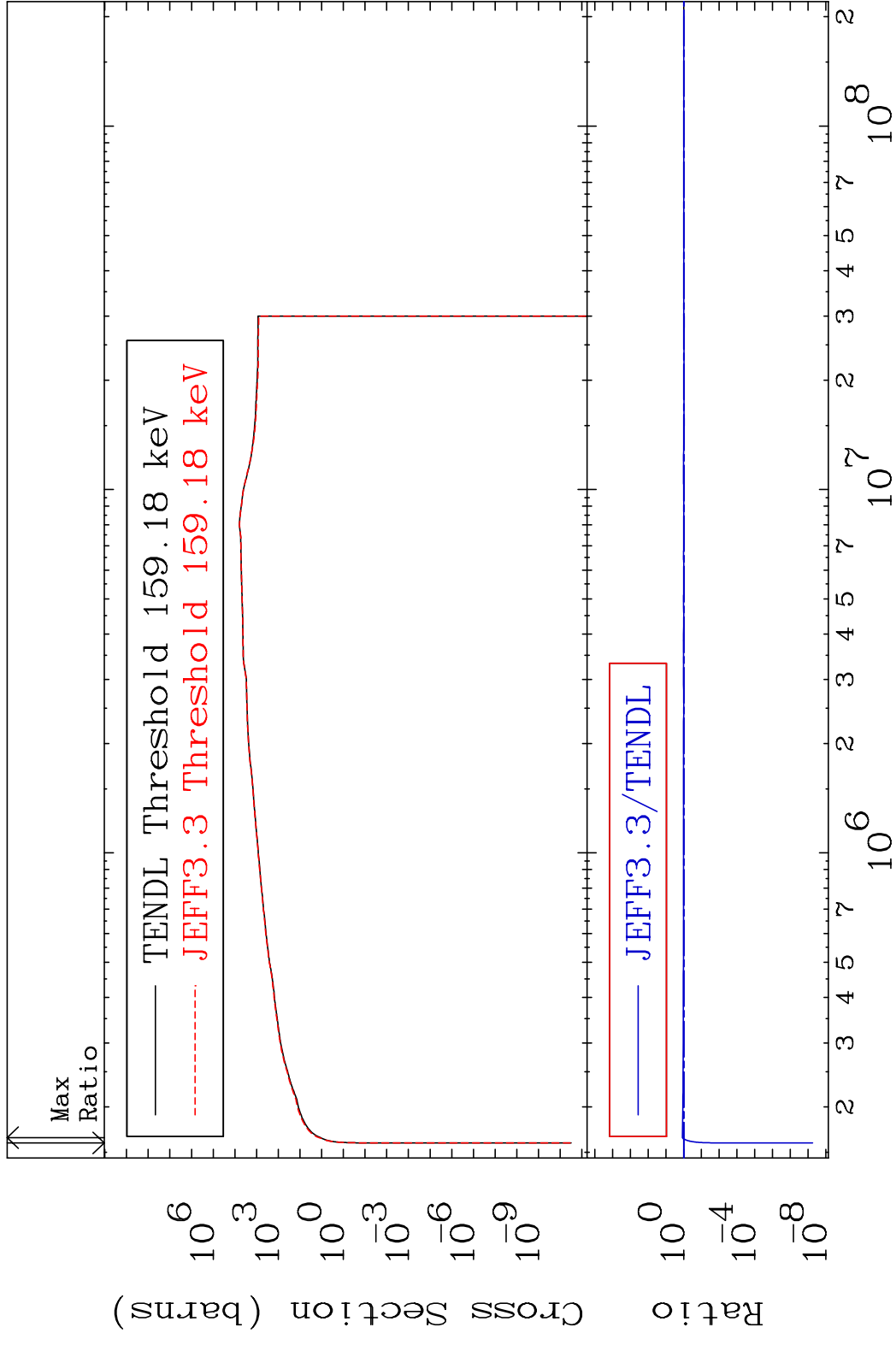


75

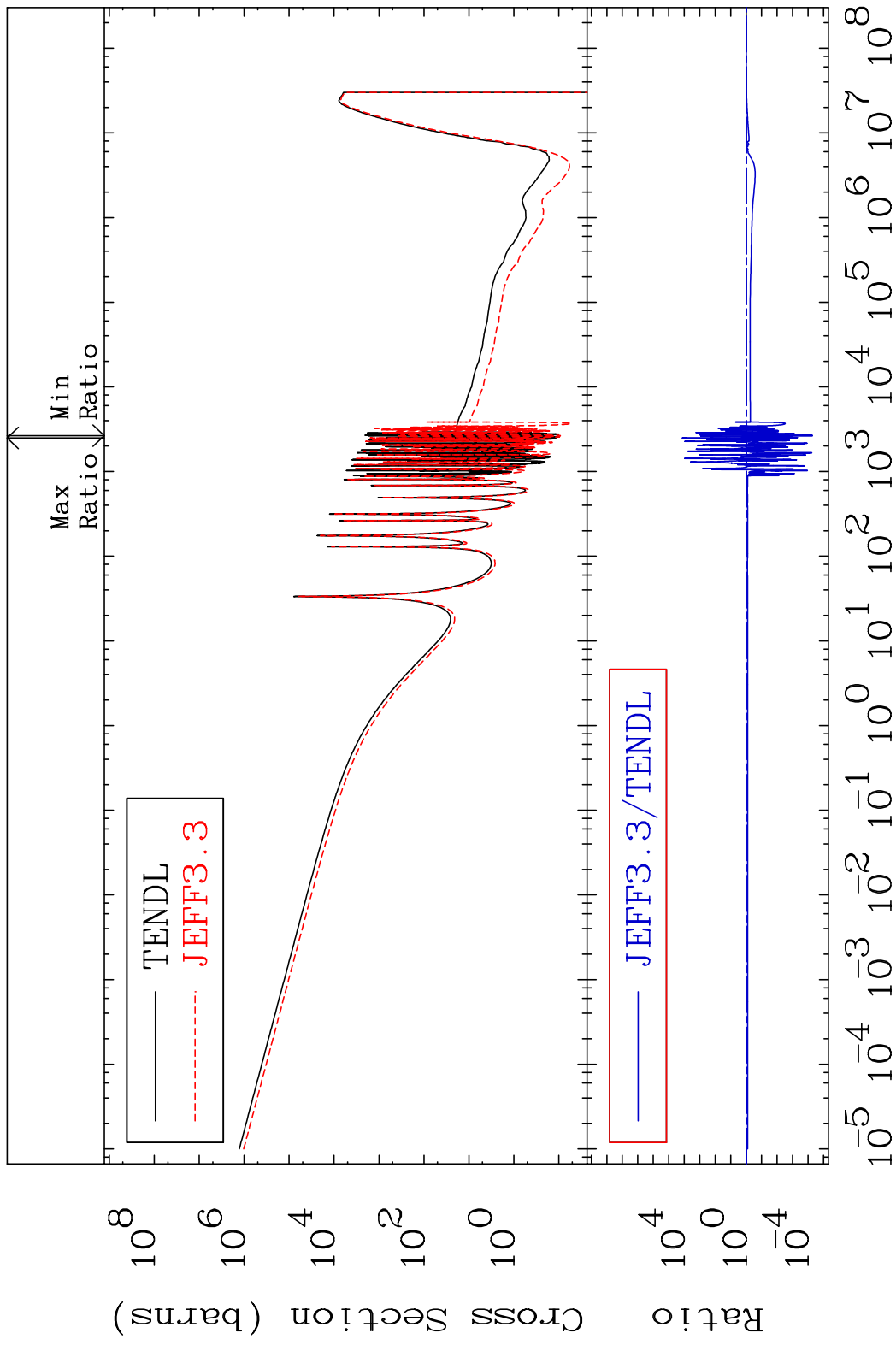
Incident Energy (eV)

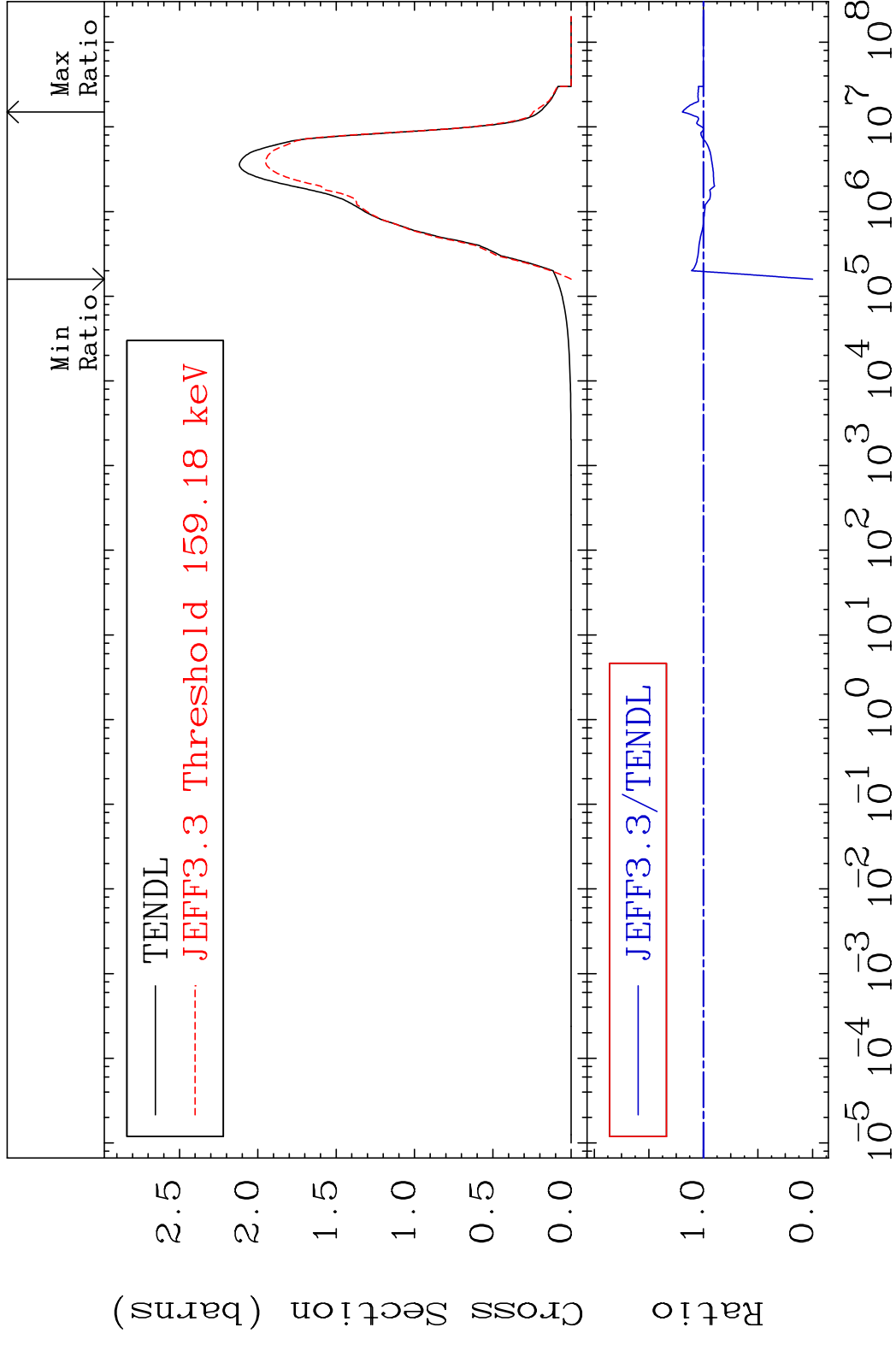
80-Hg-199

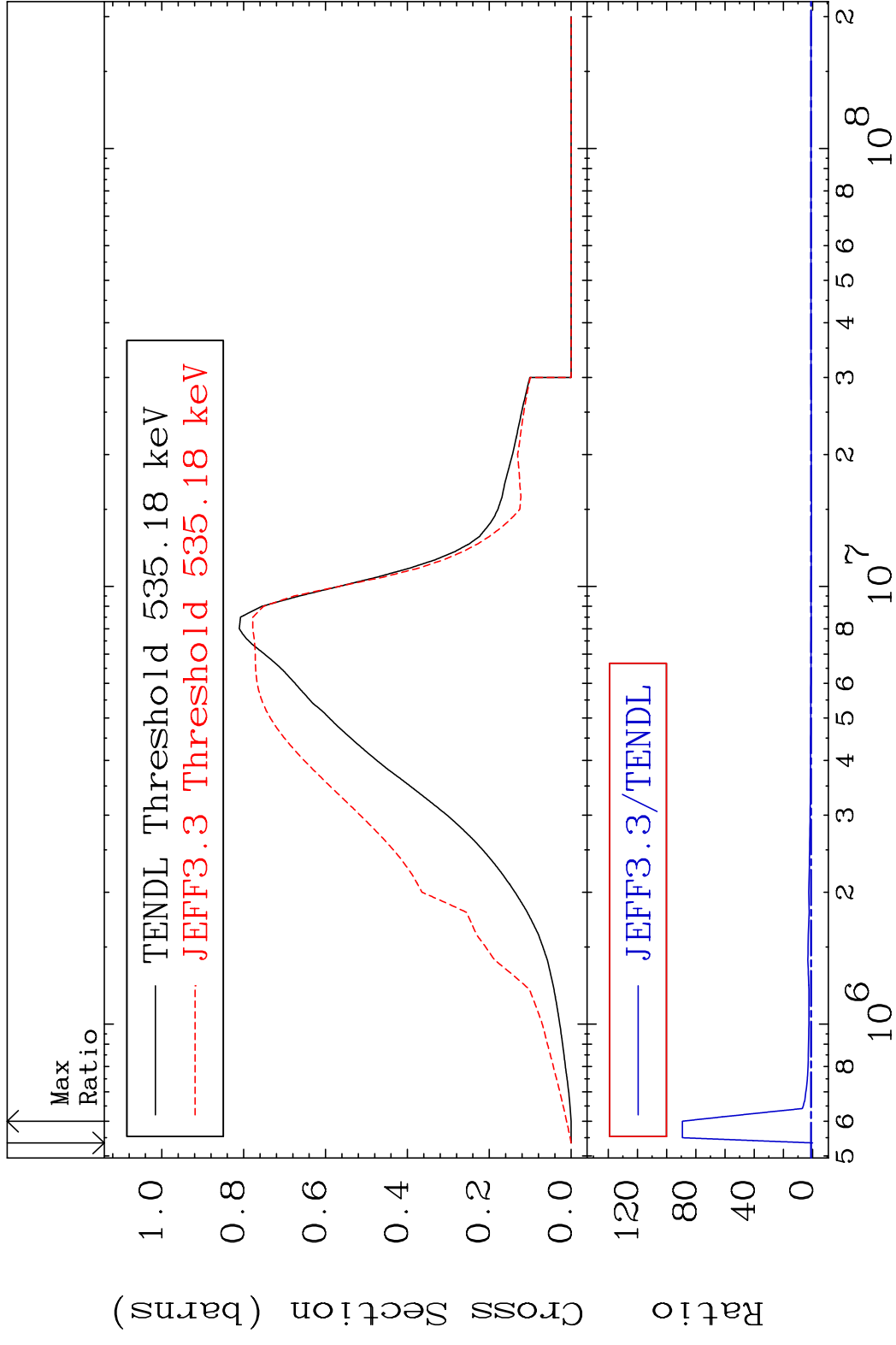
MAT 8034      Dpa inelastic (mt51-91)      80-Hg-199  
 Cross Section      -100.0 To 18.26 %



MAT 8034 Dpa disappearance (mt102 -120) 80-Hg-199  
 Cross Section -99.99 To 9999. %

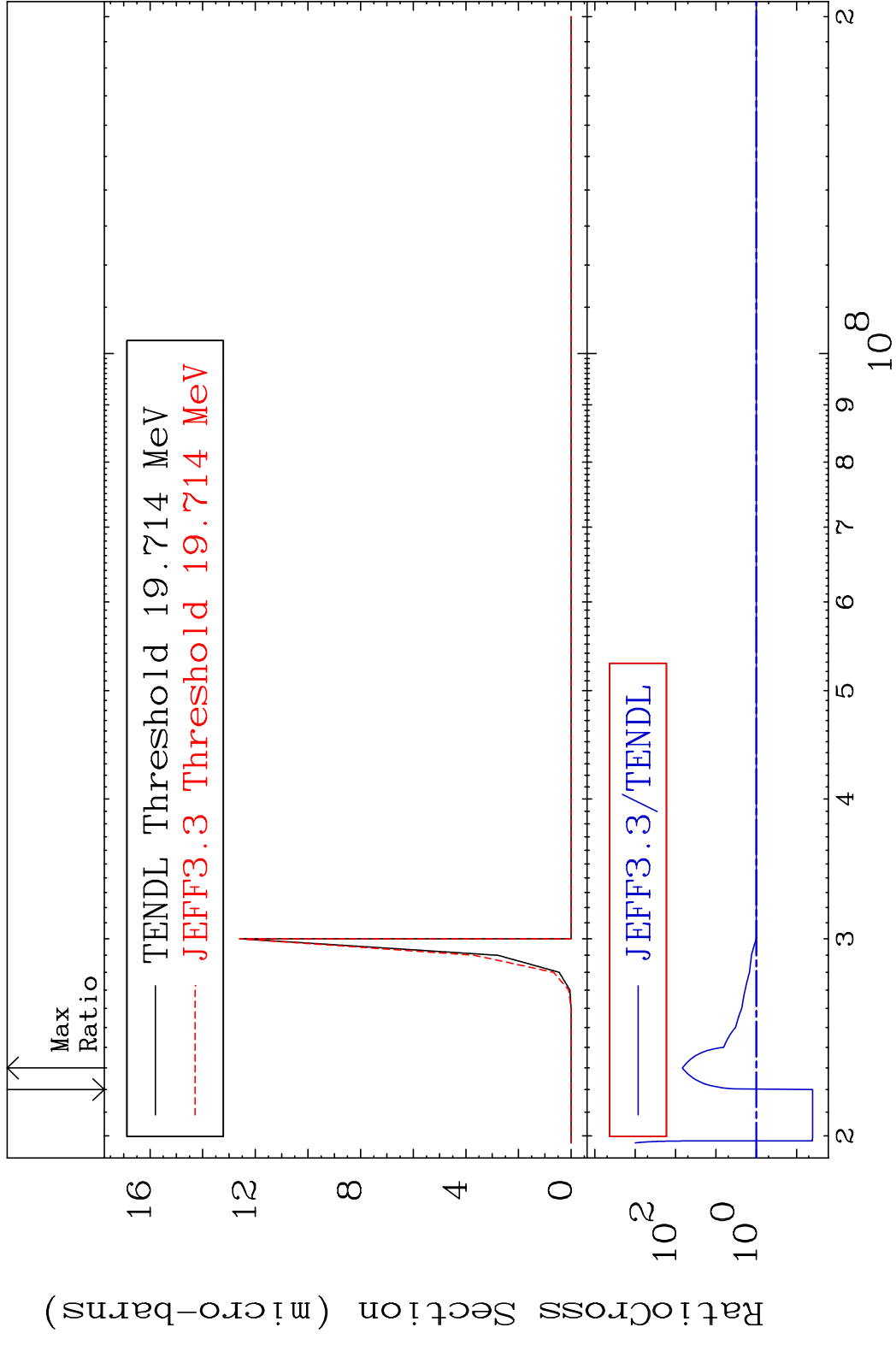


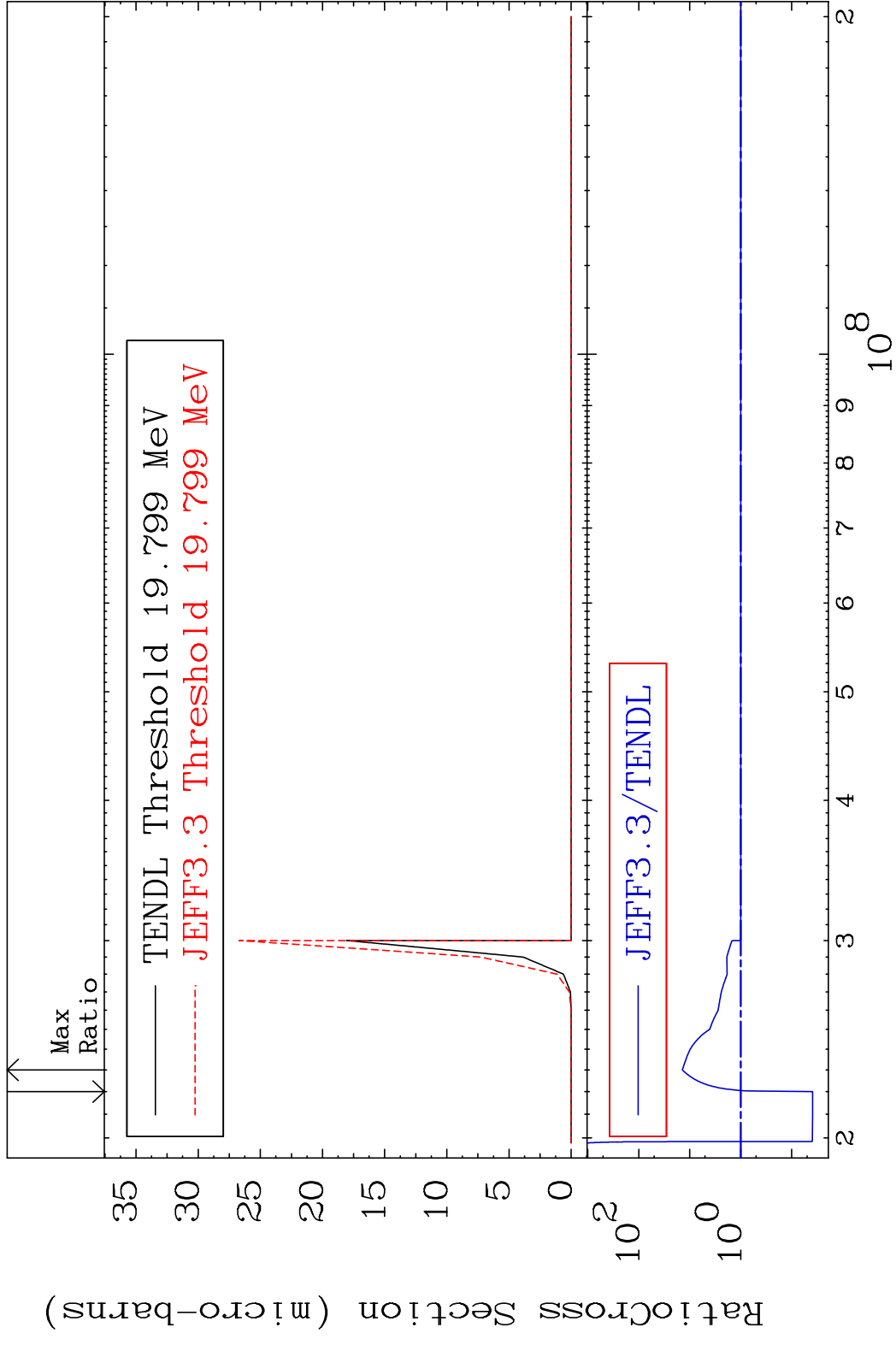


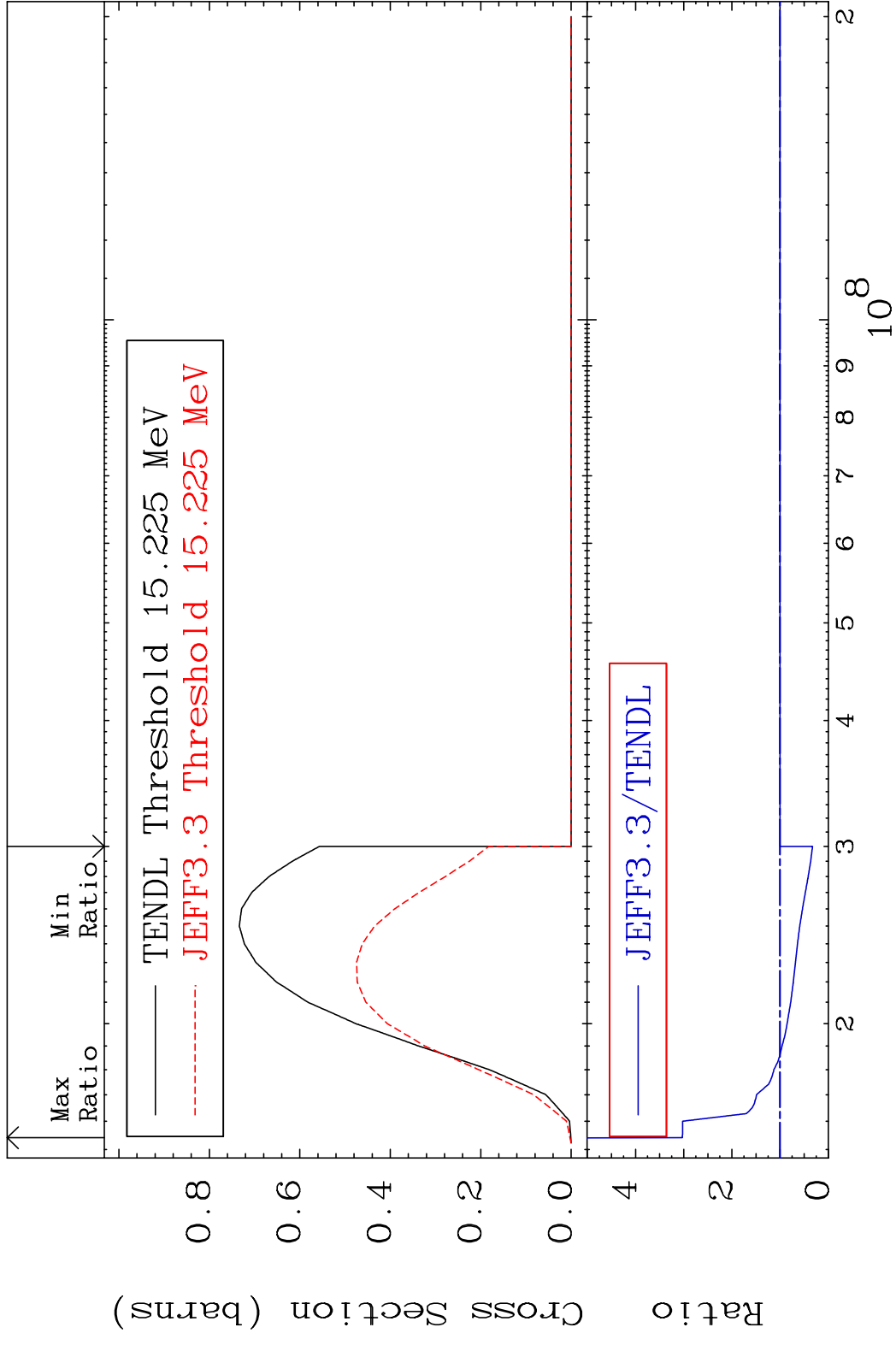


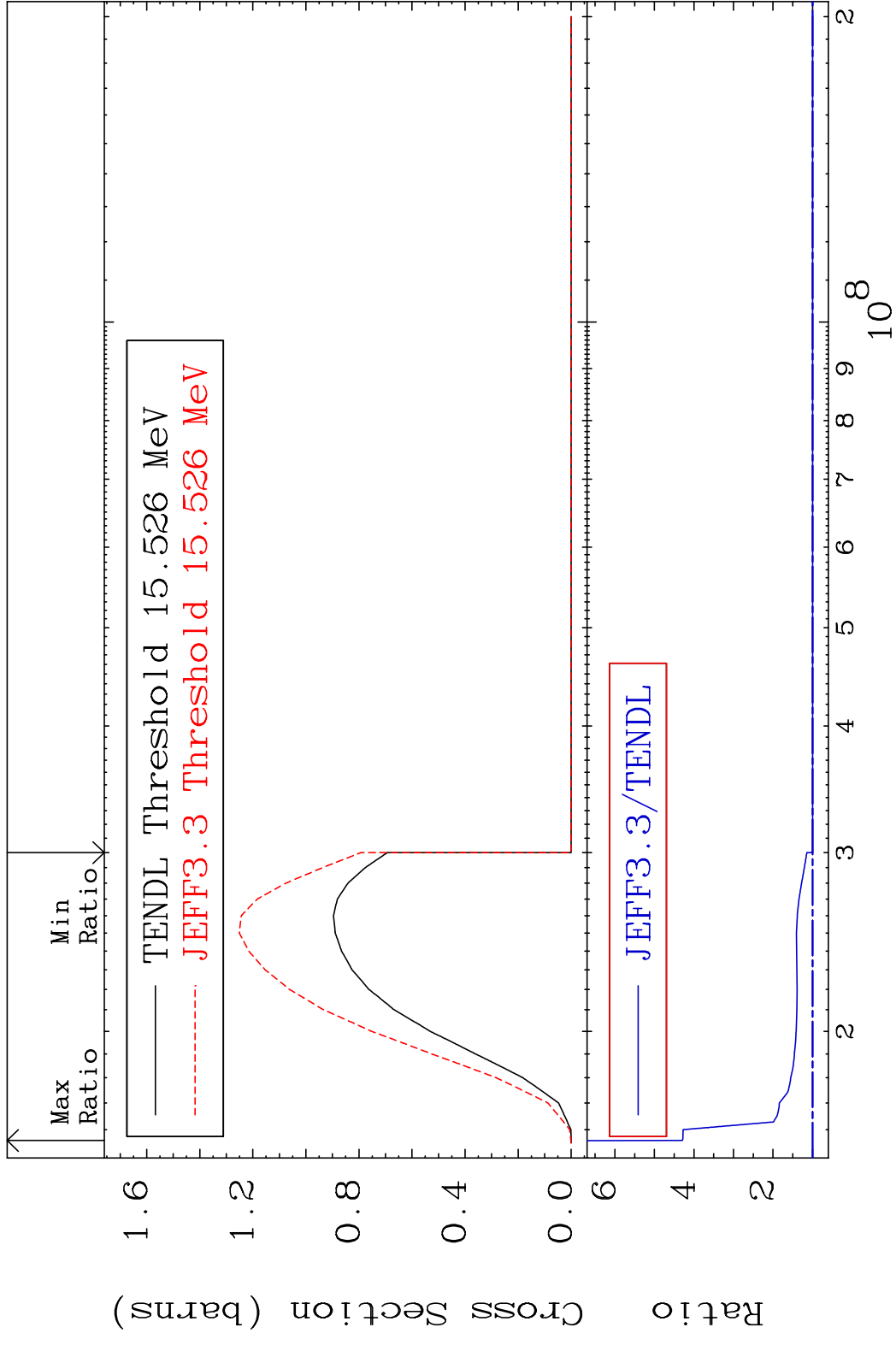


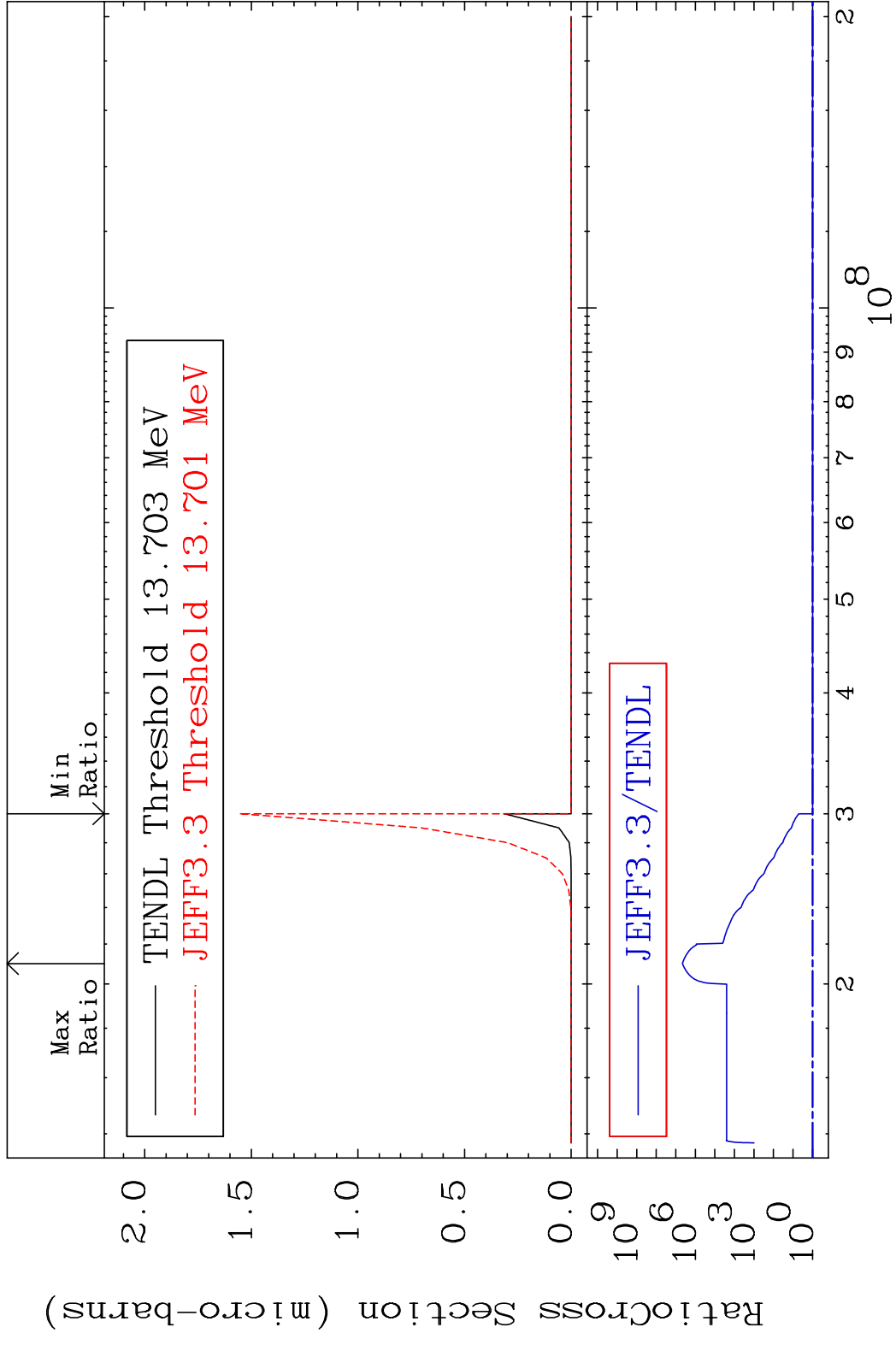
MAT 8034 (n,2n) d:79-Au-196g 80-Hg-199  
 Radionuclide Production Cross Section 95.95 dth 6713. %

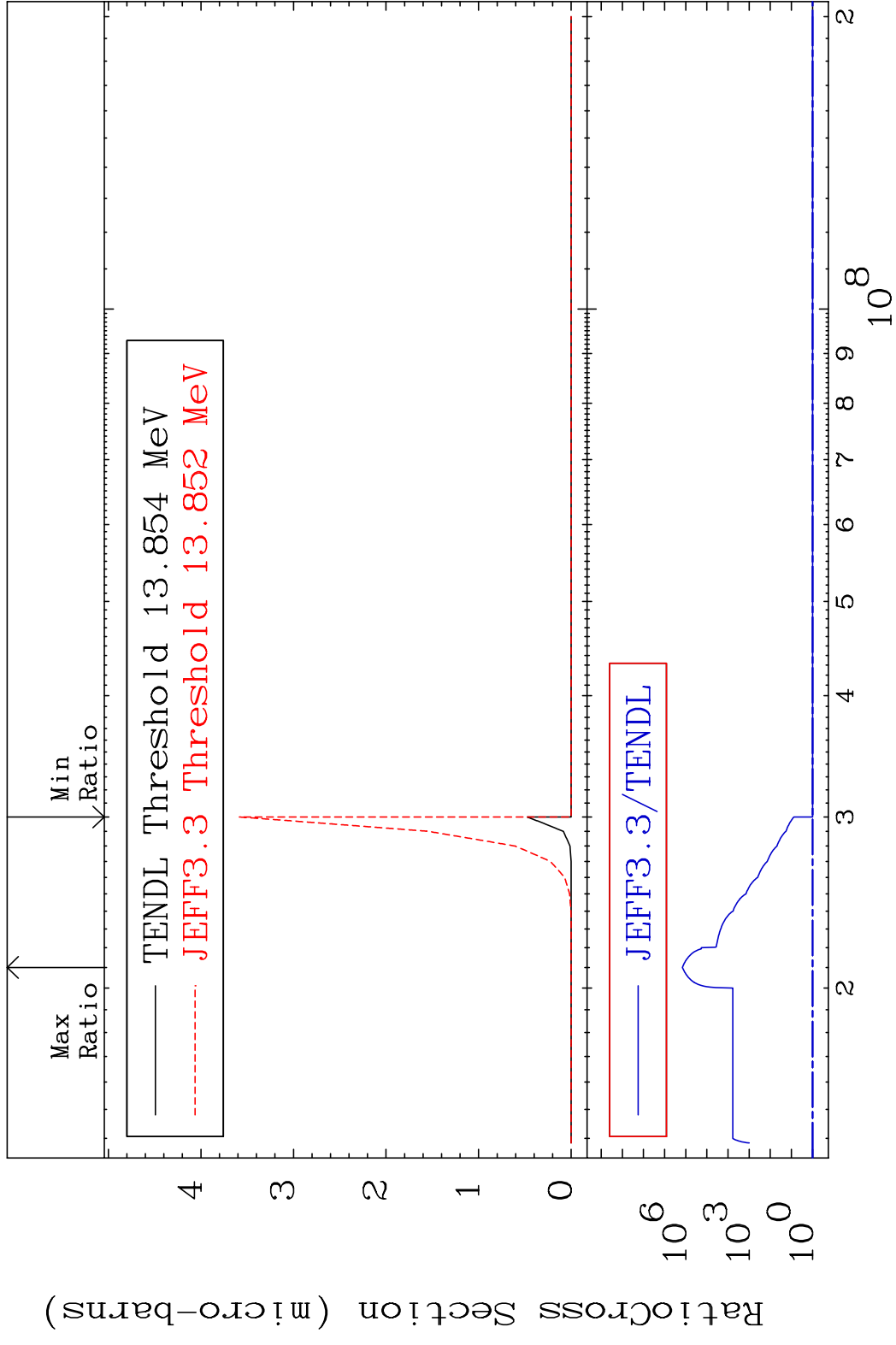


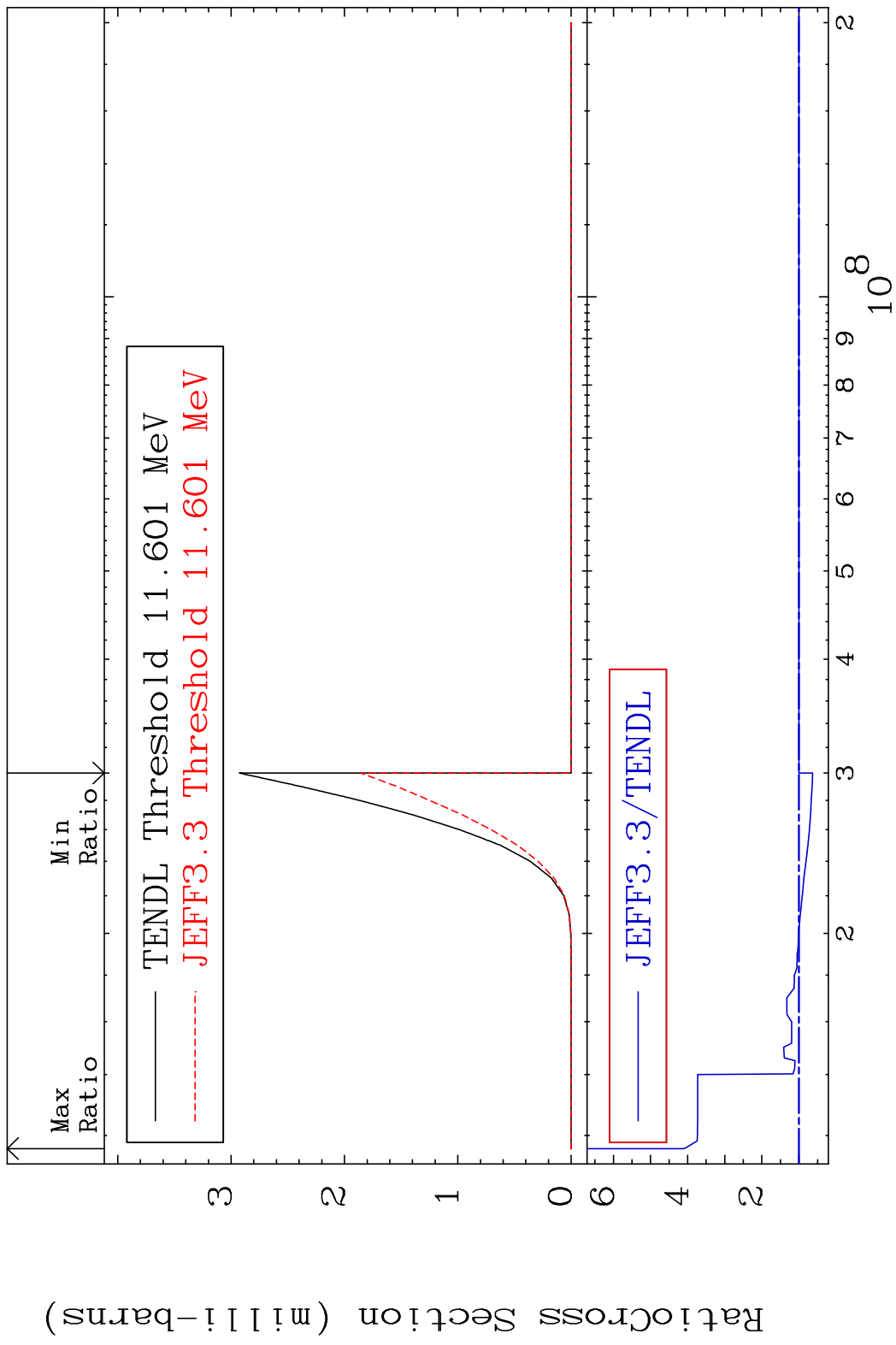




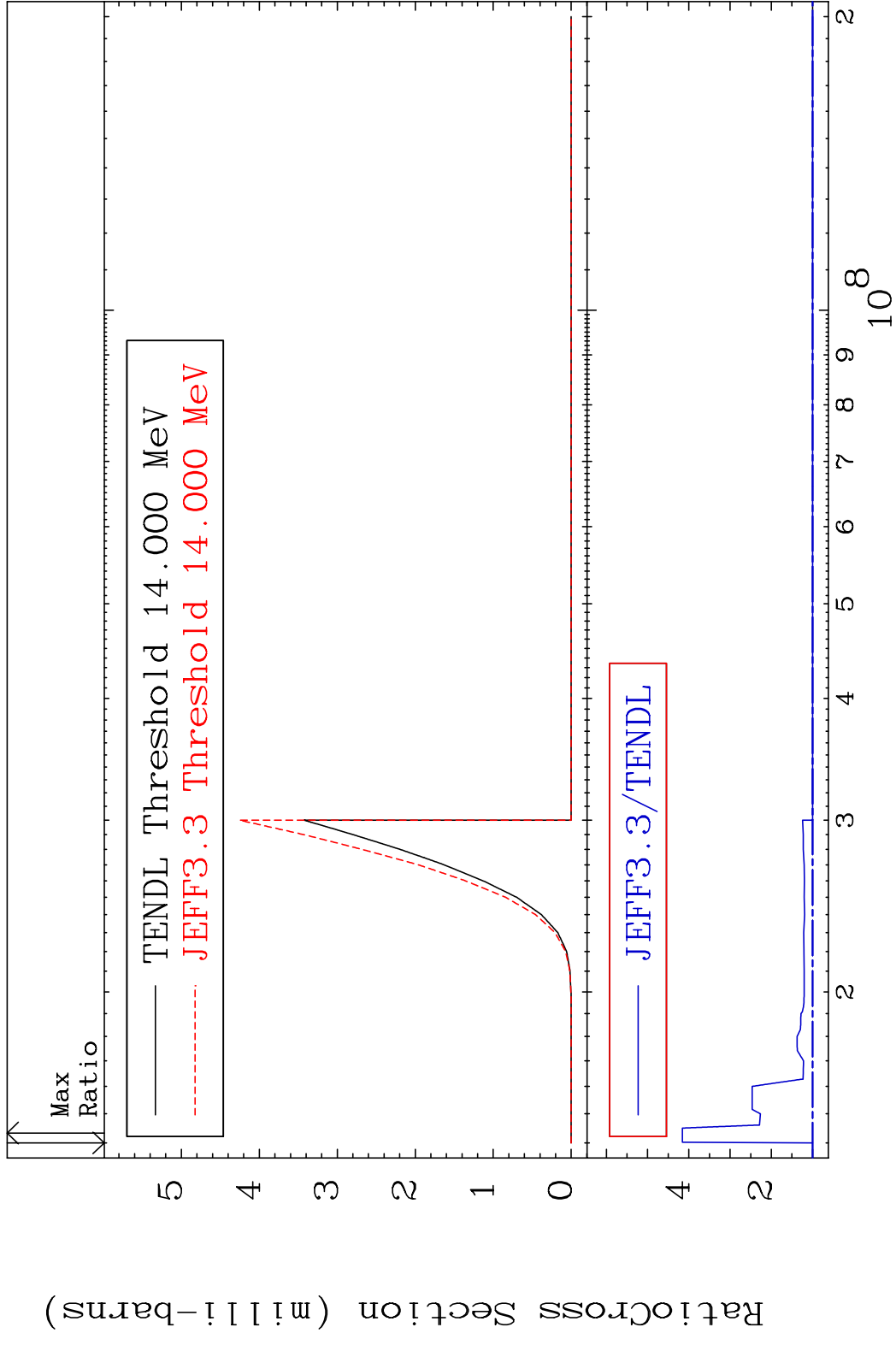




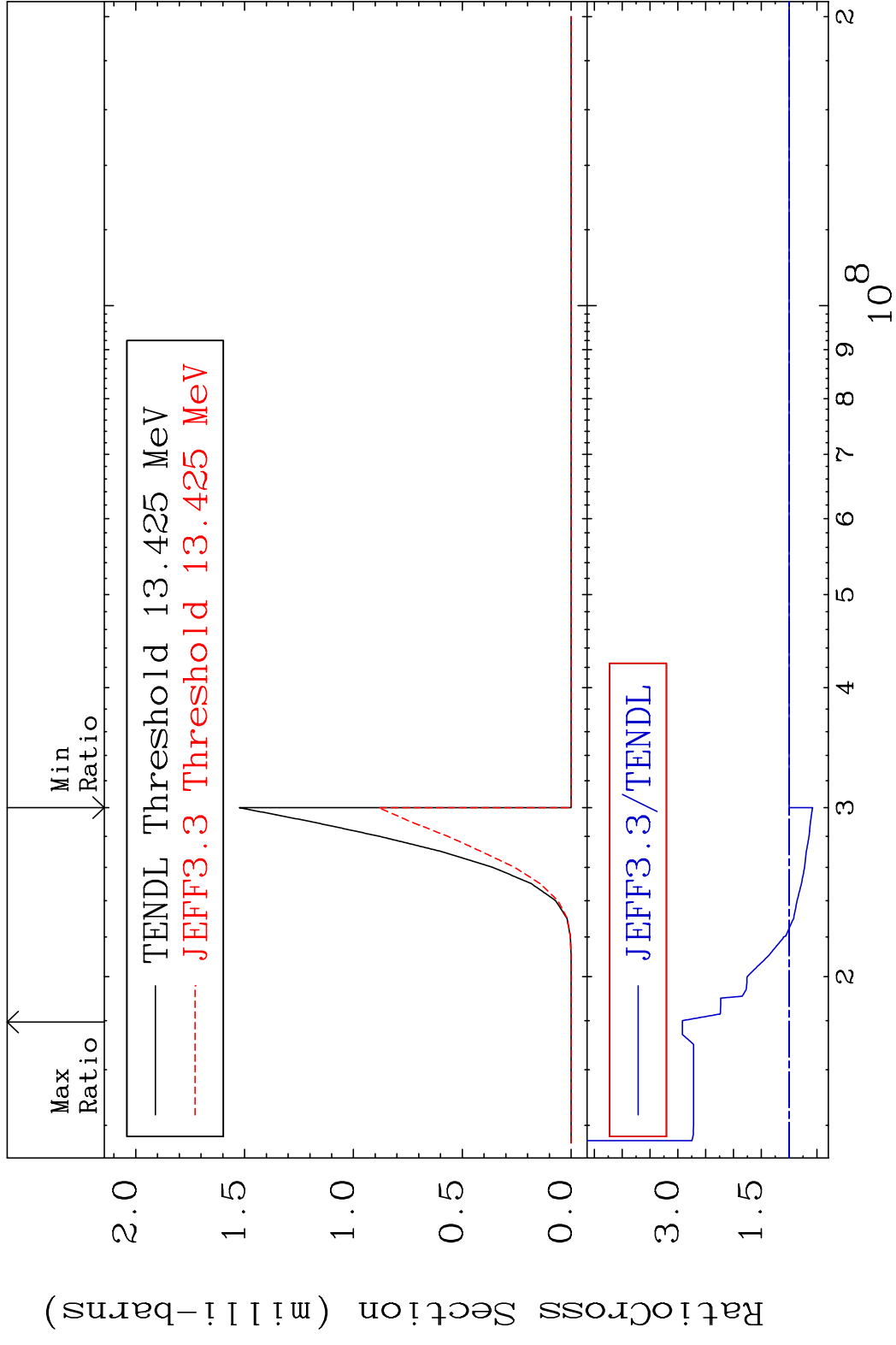


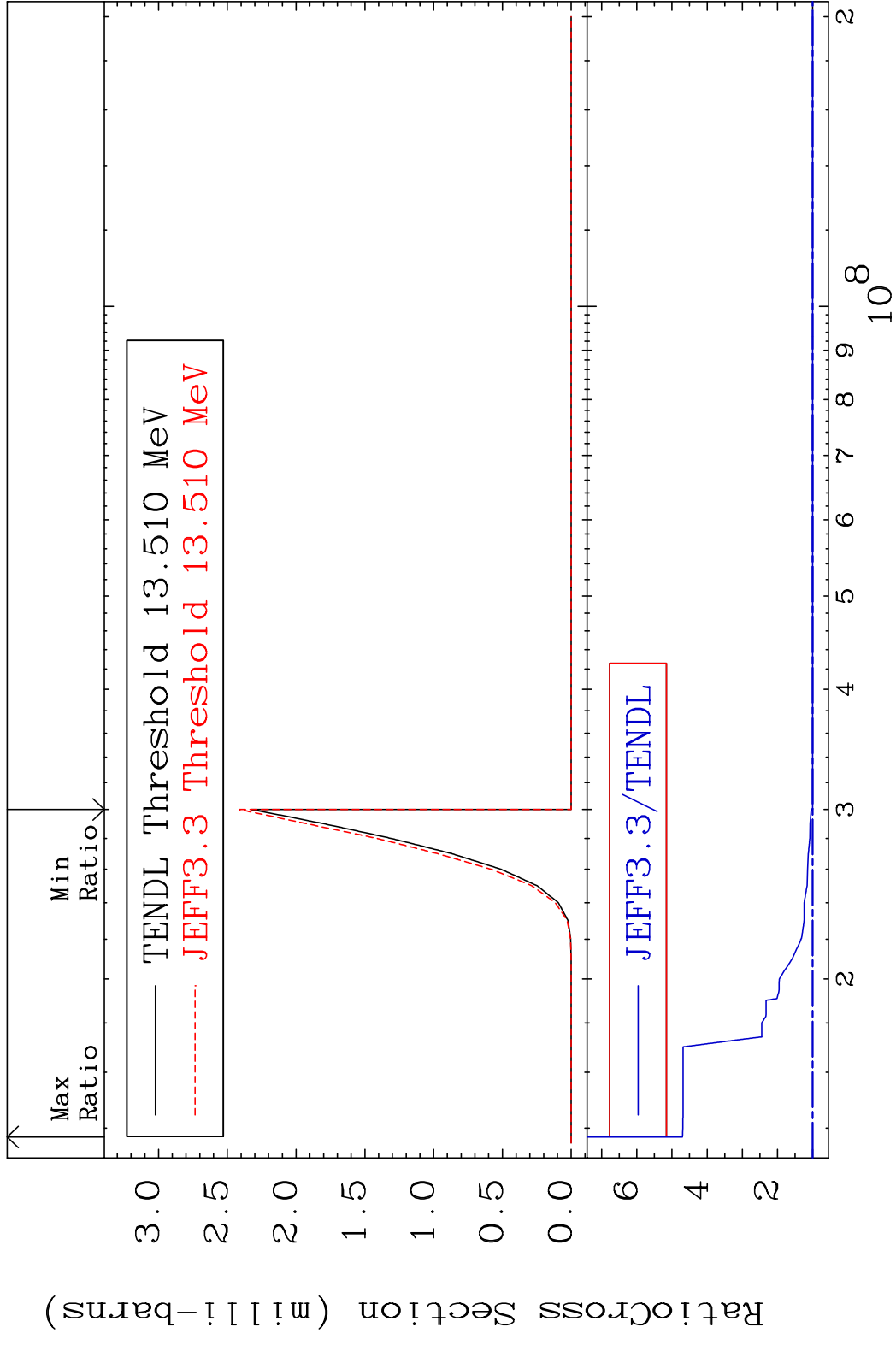


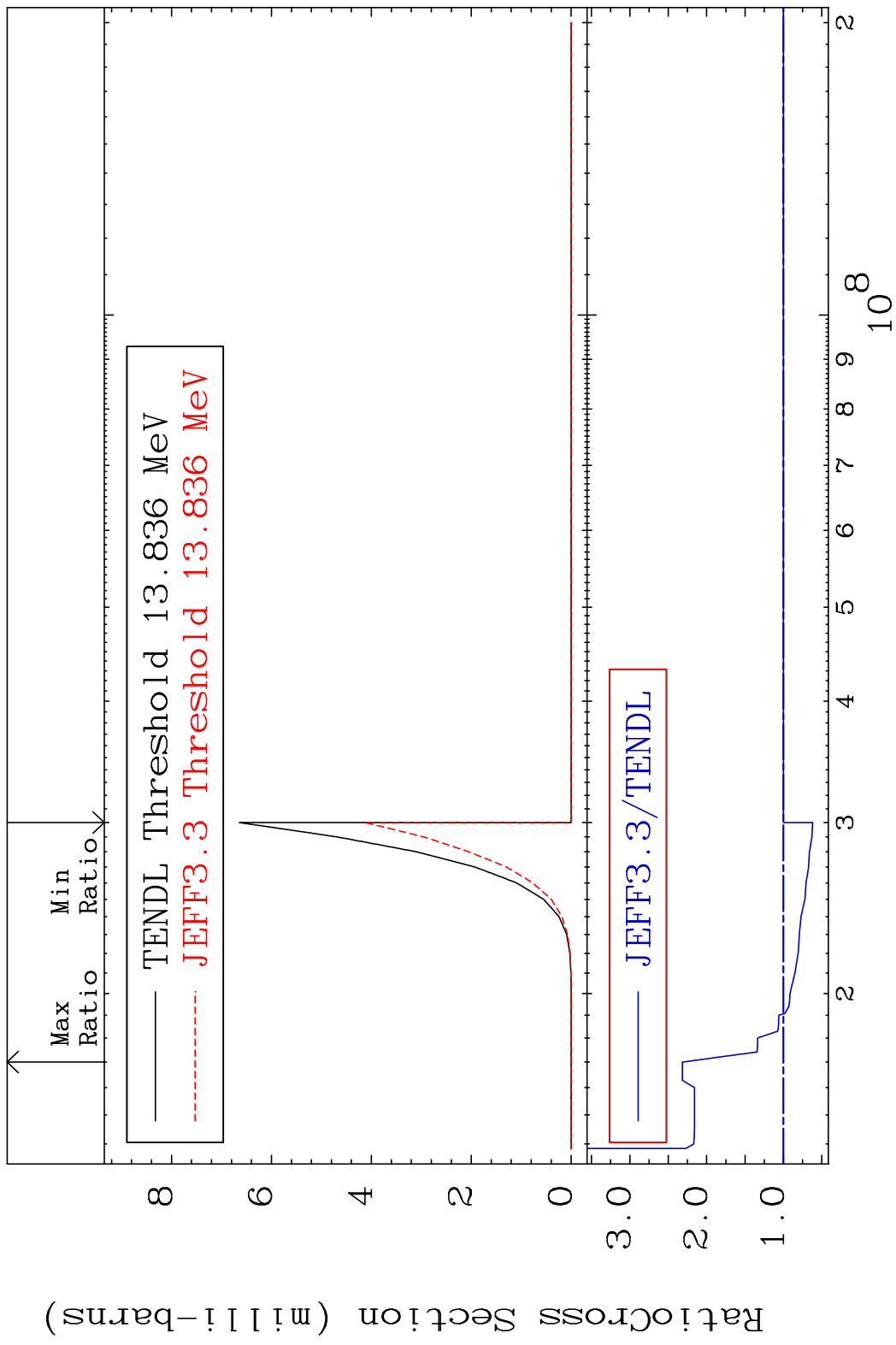
MAT 8034 (n, n') d:79-Au-197m4 80-Hg-199  
 Radionuclide Production Cross Section 315.7 %

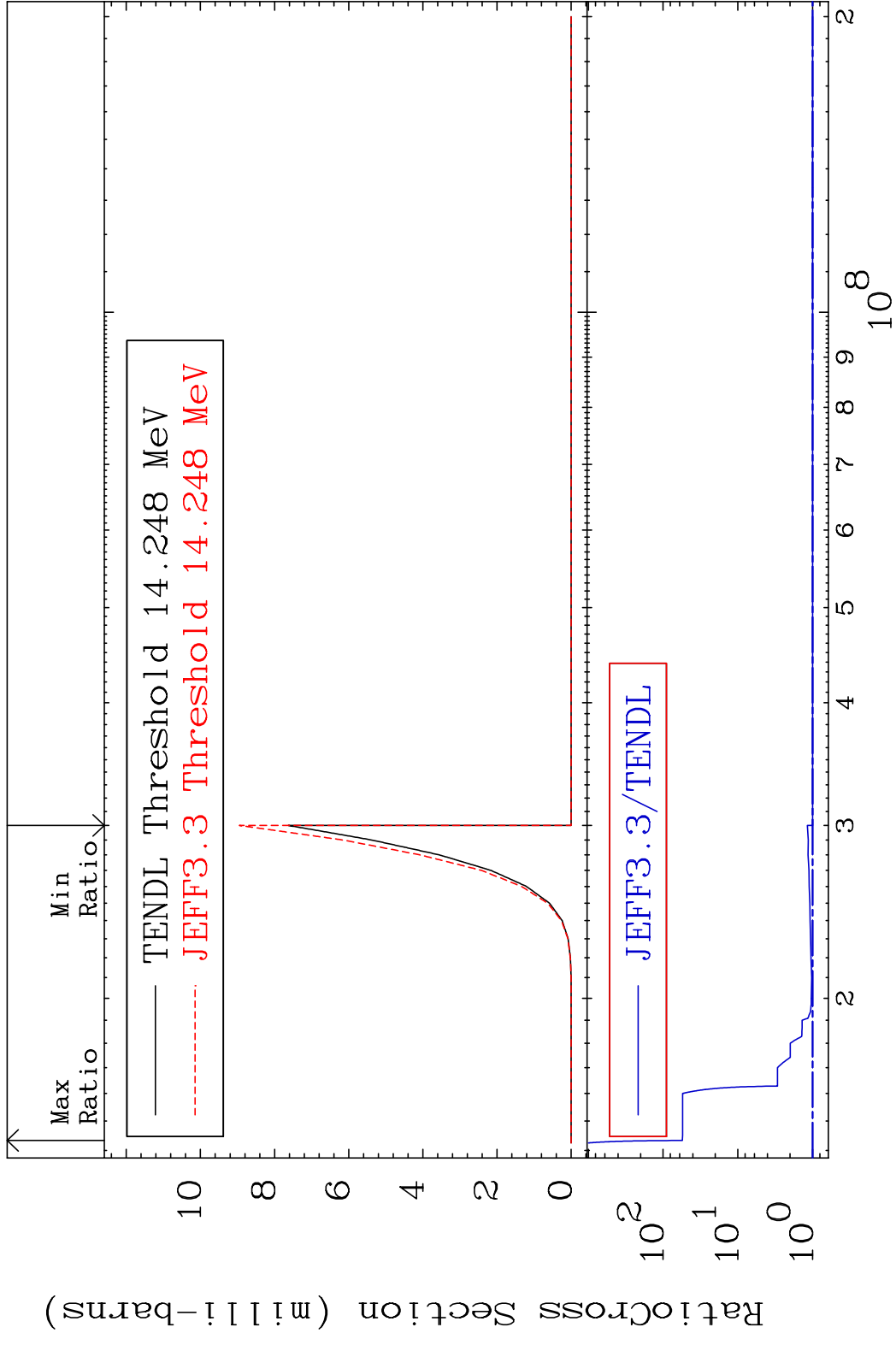


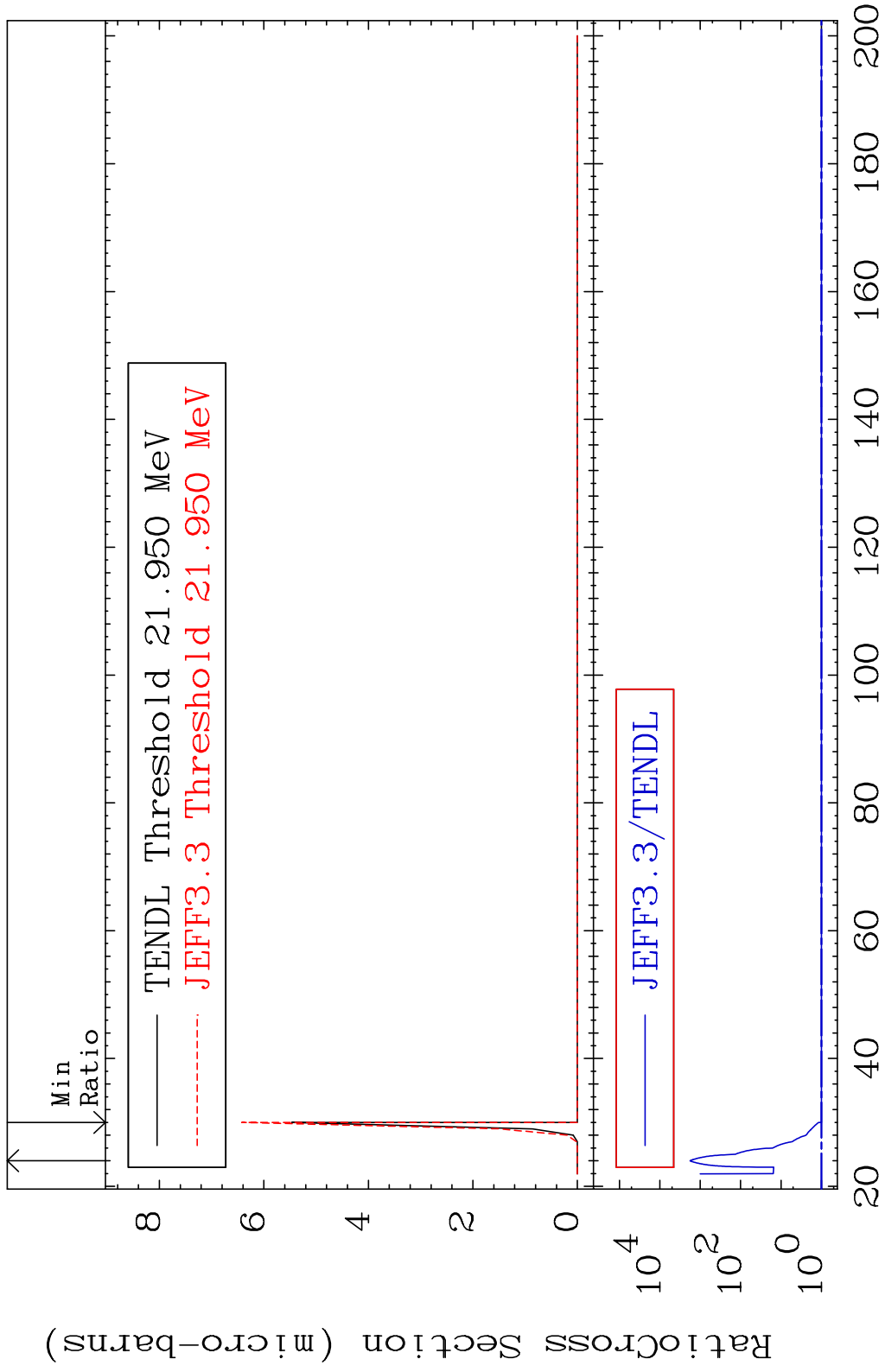


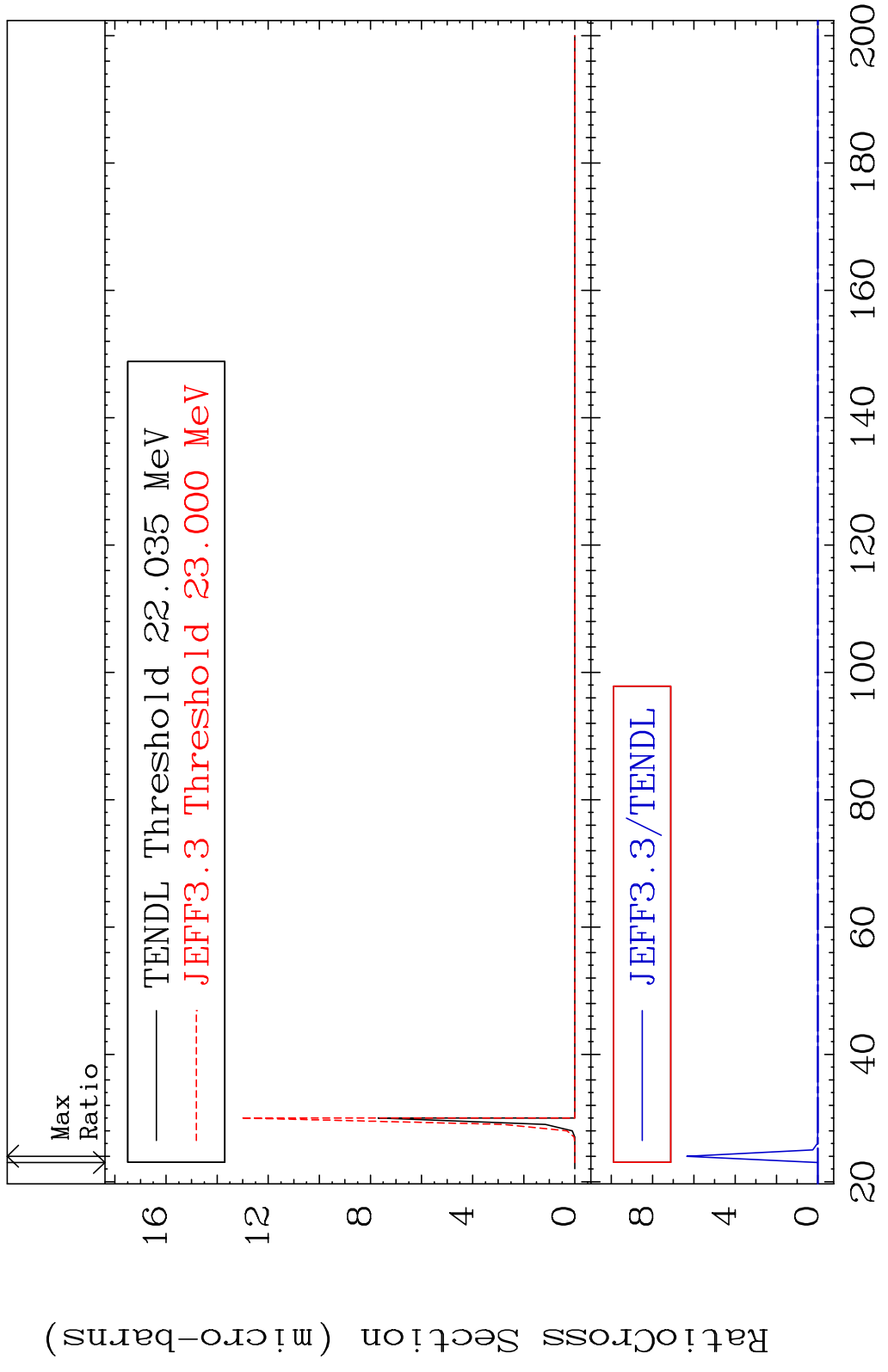




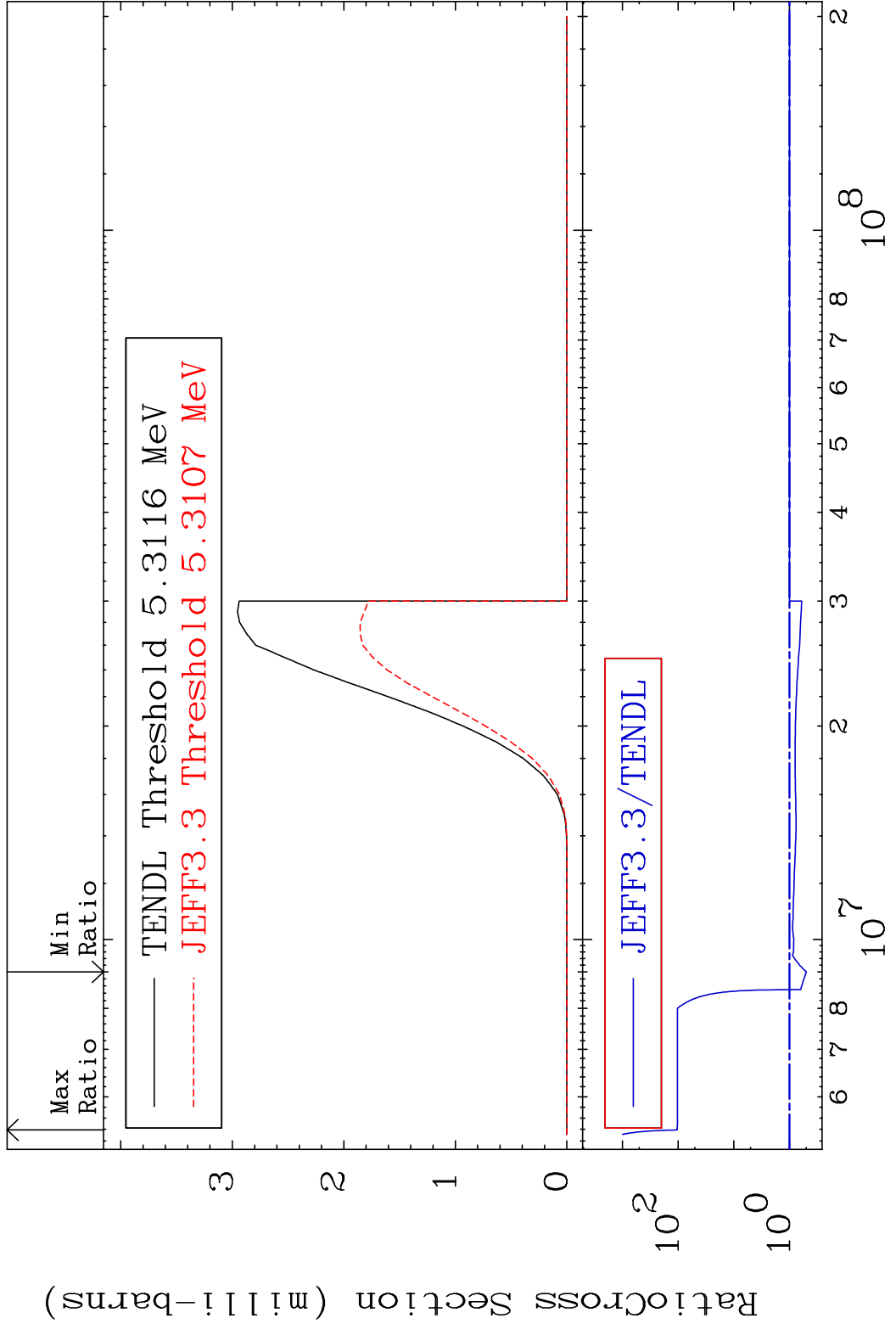








MAT 8034 (n, t): 79-Au-197g 80-Hg-199  
 Radionuclide Production Cross Section (%)



94 Incident Energy (eV) 80-Hg-199

MAT 8034 (n, t):79-Au-197m4 80-Hg-199  
 Radionuclide Production Cross Section 28.81 %

