

Program Complot  
(Version 2021-1)

by

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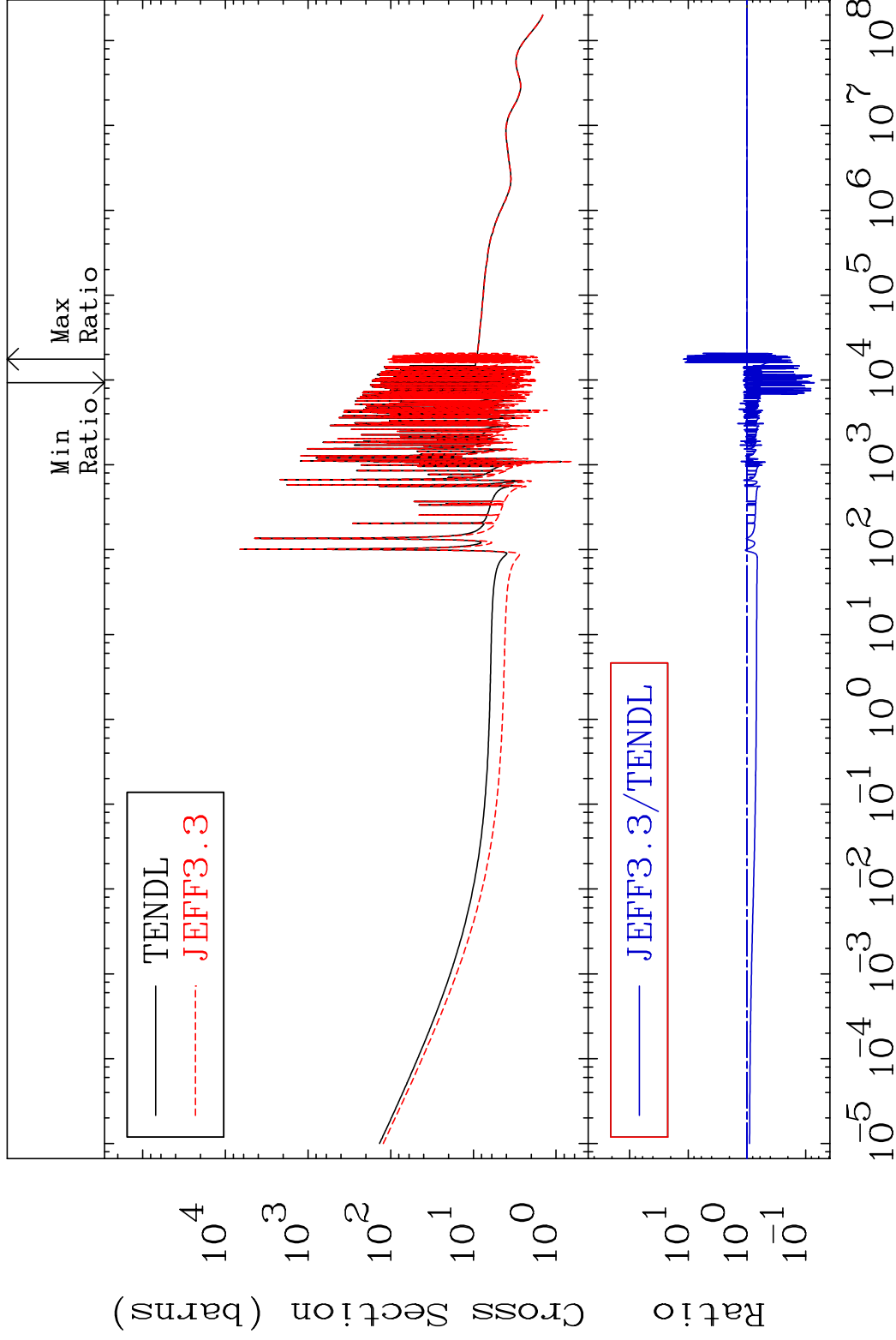
Press Mouse Button to Start

MAT 3531

Total

35-Br-81

Cross Section -92.83 To 1098. %



1

Incident Energy (eV)

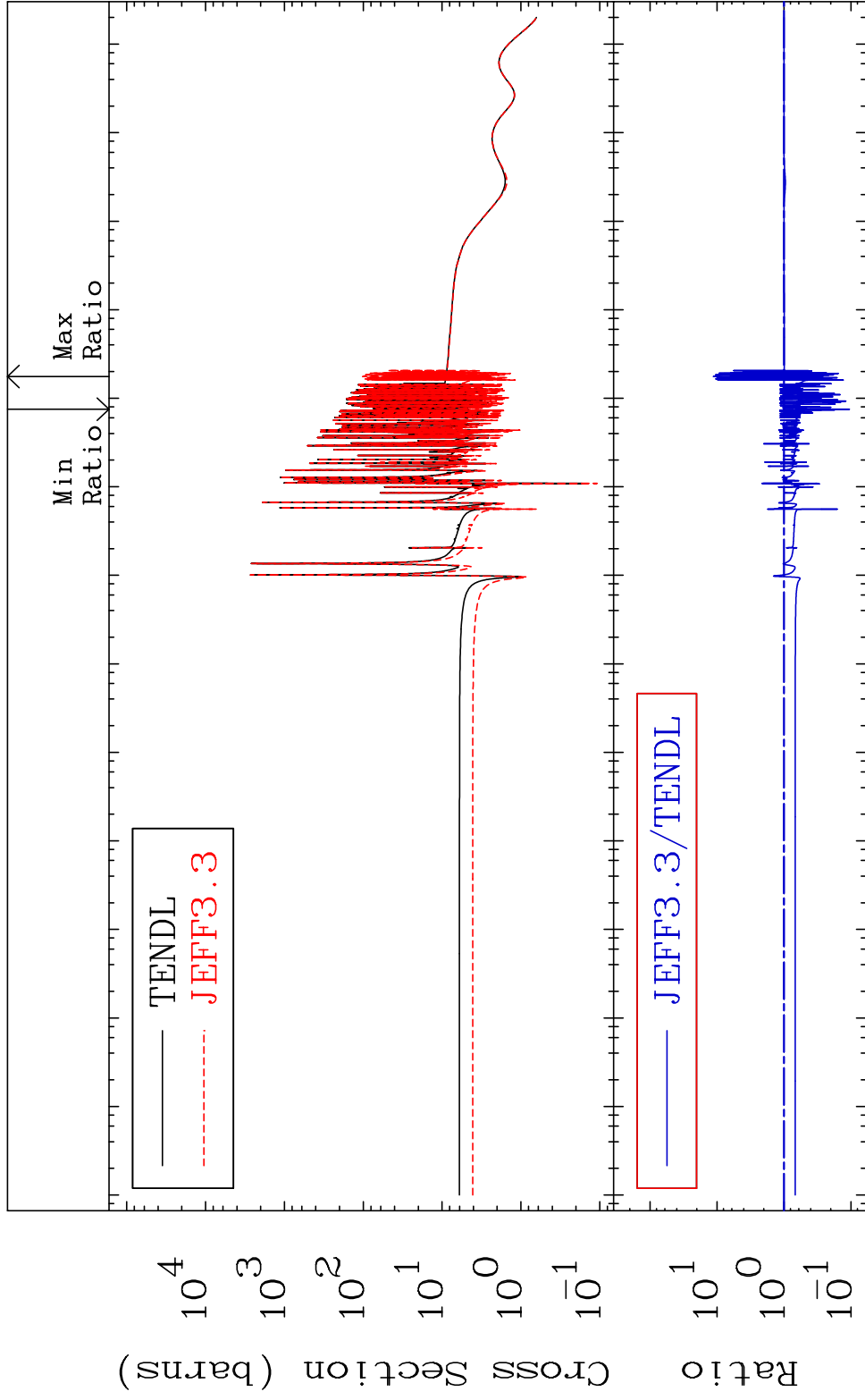
35-Br-81

MAT 3531

Elastic

35-Br-81

Cross Section -89.39 To 1042. %



2

Incident Energy (eV)

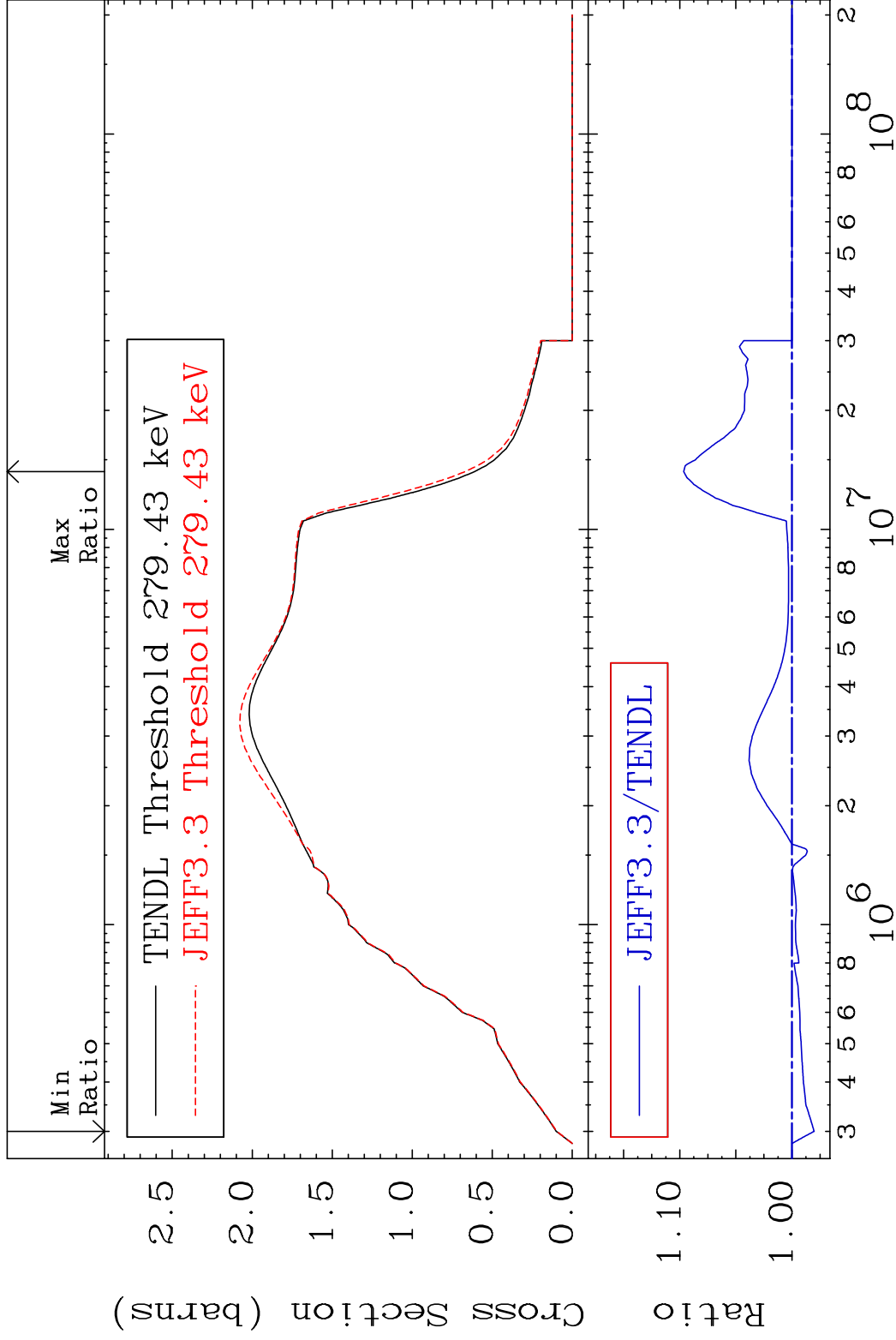
35-Br-81

MAT 3531

Inelastic

35-Br-81

Cross Section -1.972 To 9.655 %

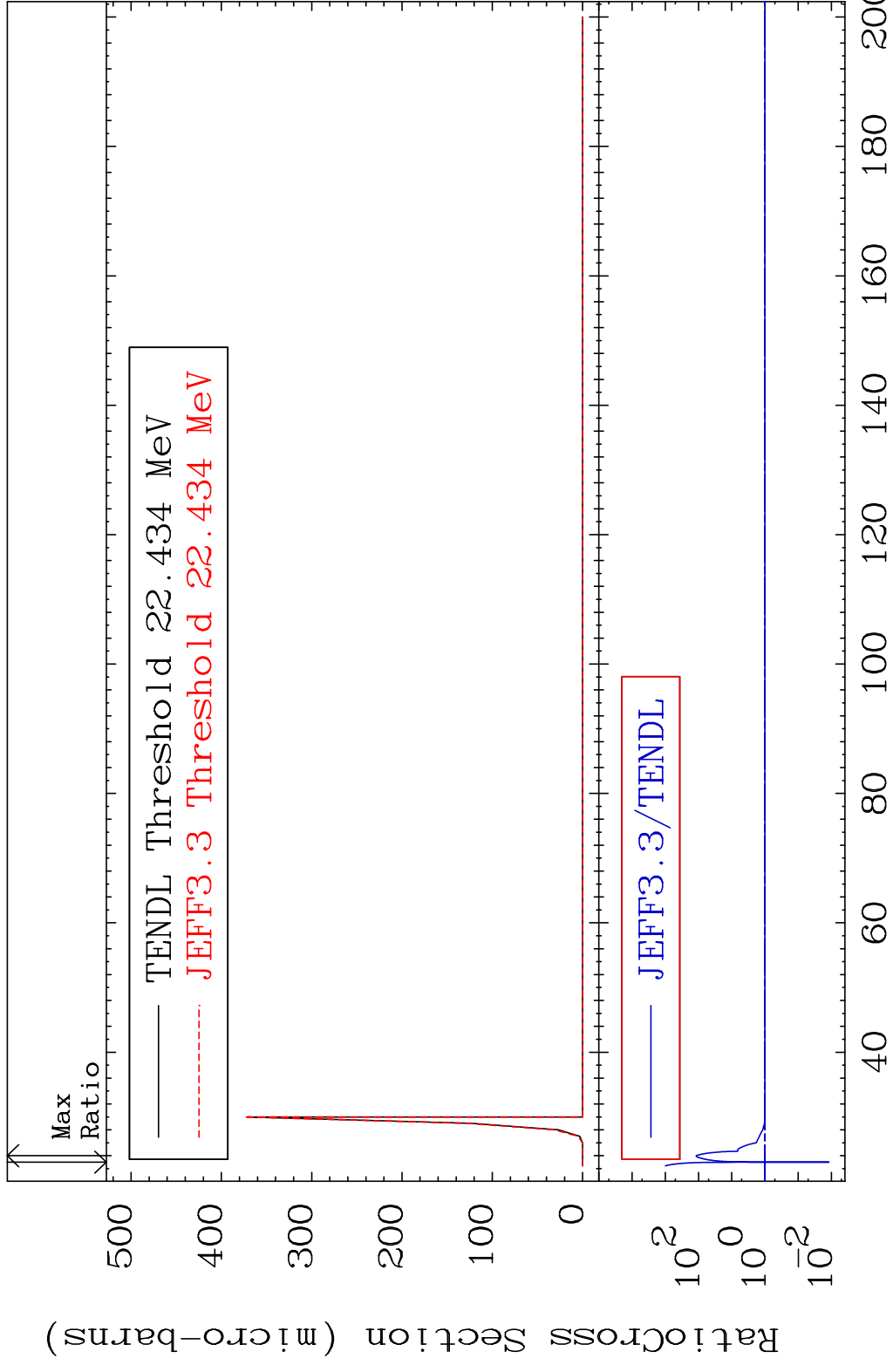


3

Incident Energy (eV)

35-Br-81

MAT 3531 (n,2n) d 35-Br-81  
 Cross Section -98.81 To 9999. %

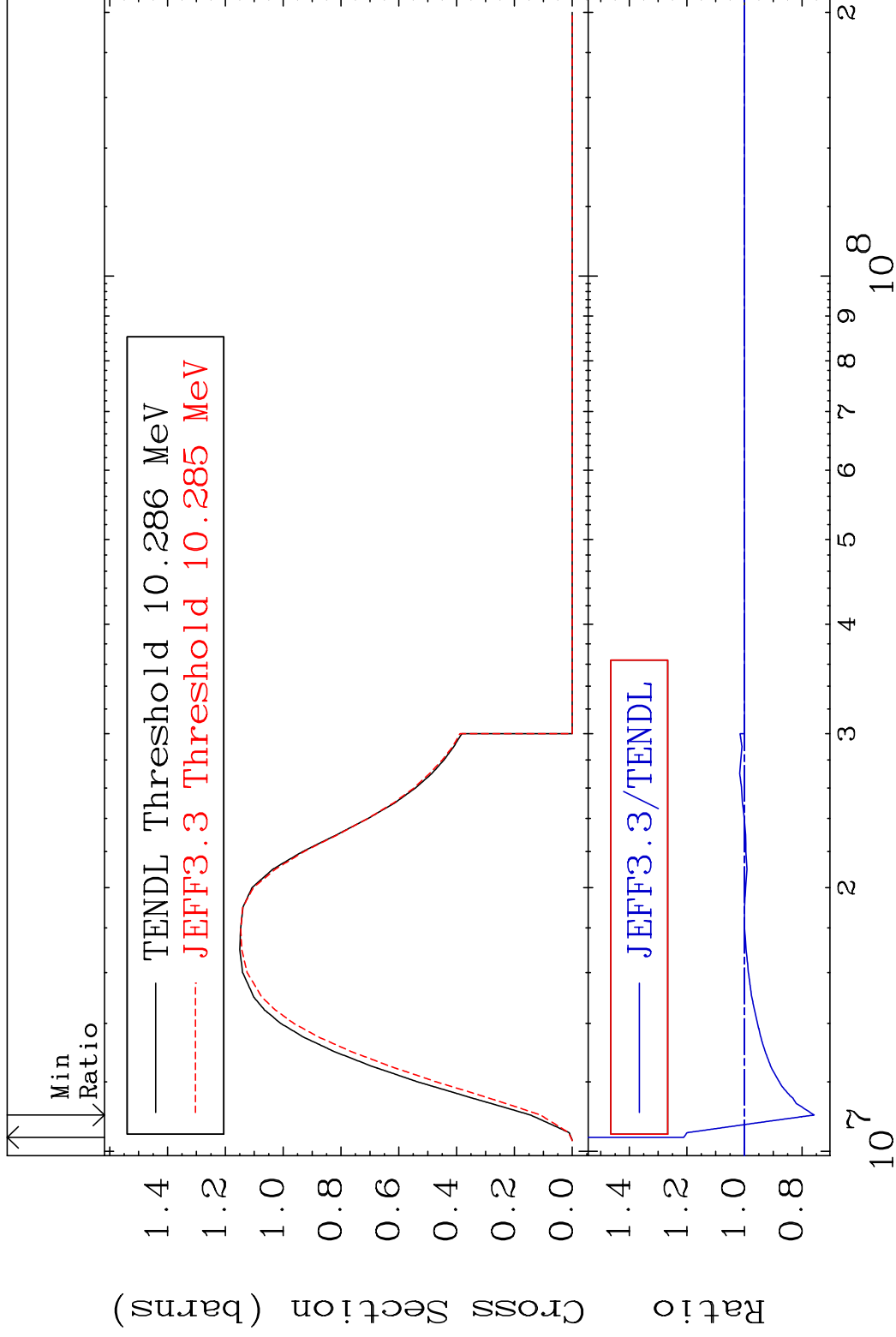


MAT 3531

(n,2n)

35-Br-81

Cross Section -24.19 To 21.15 %



5

Incident Energy (eV)

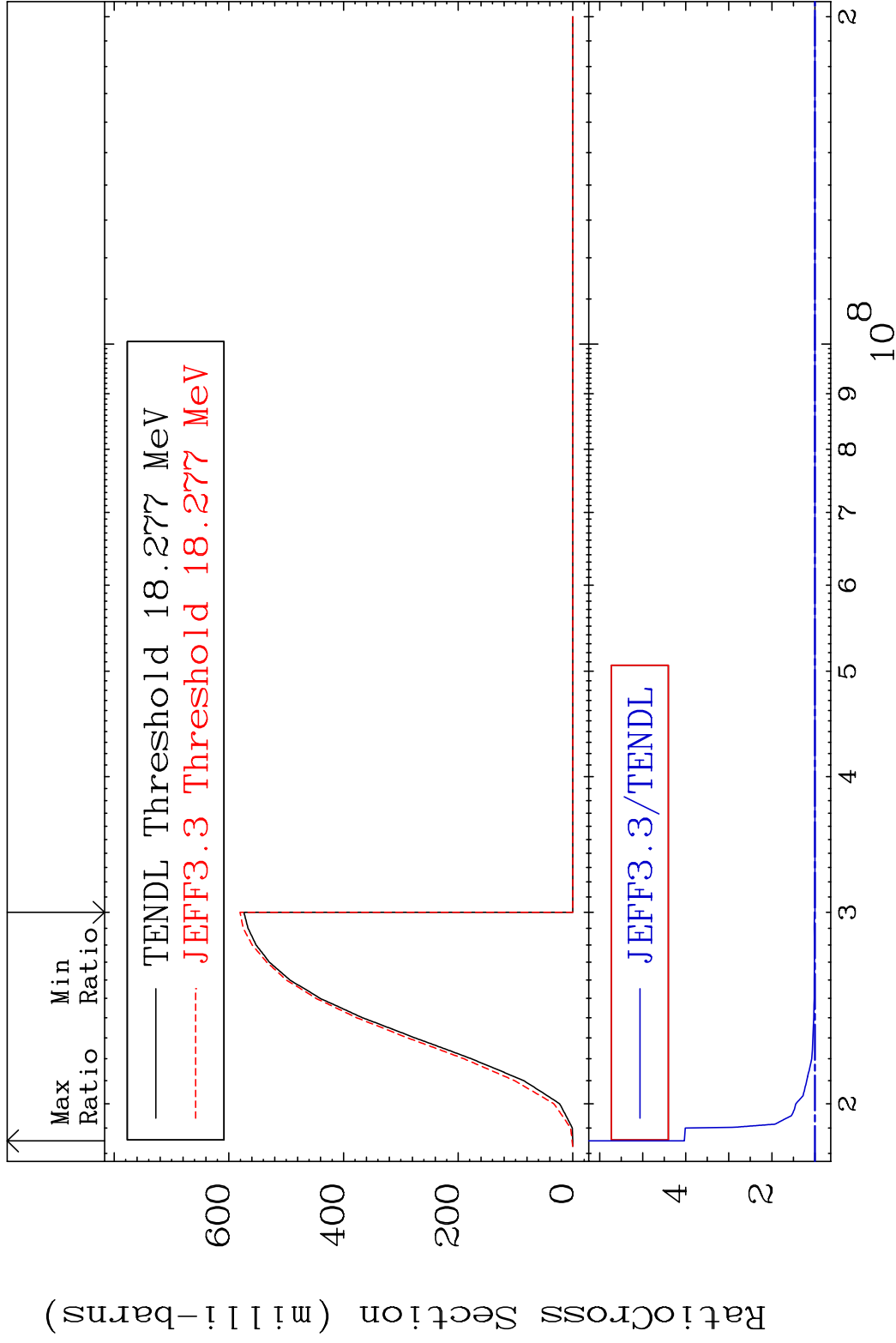
35-Br-81

MAT 3531

(n,3n)

35-Br-81

Cross Section 0.000 To 303.3 %



6

Incident Energy (eV)

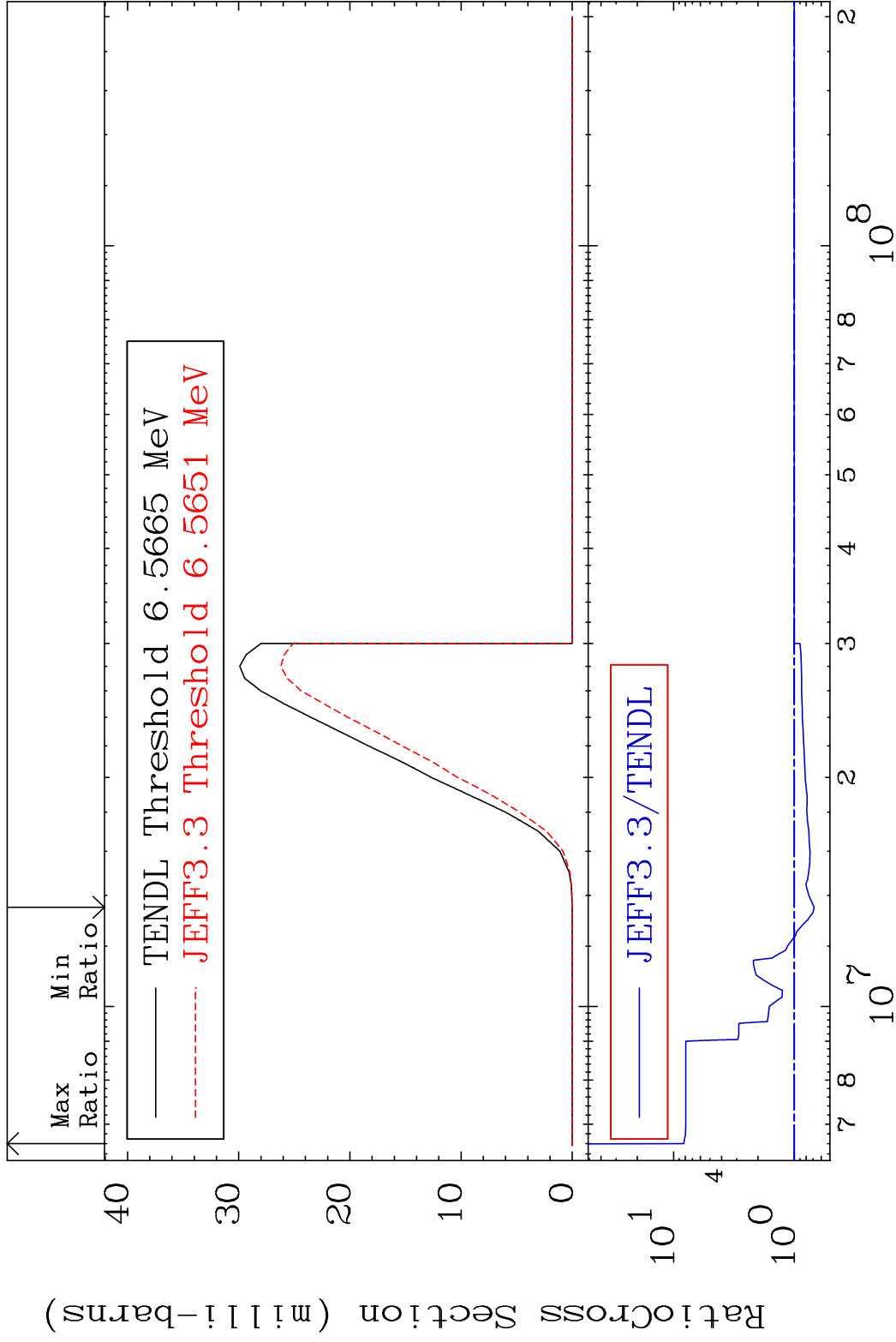
35-Br-81

MAT 3531

(n, n')  $\alpha$

35-Br-81

Cross Section -31.39 To 725.8 %



7

Incident Energy (eV)

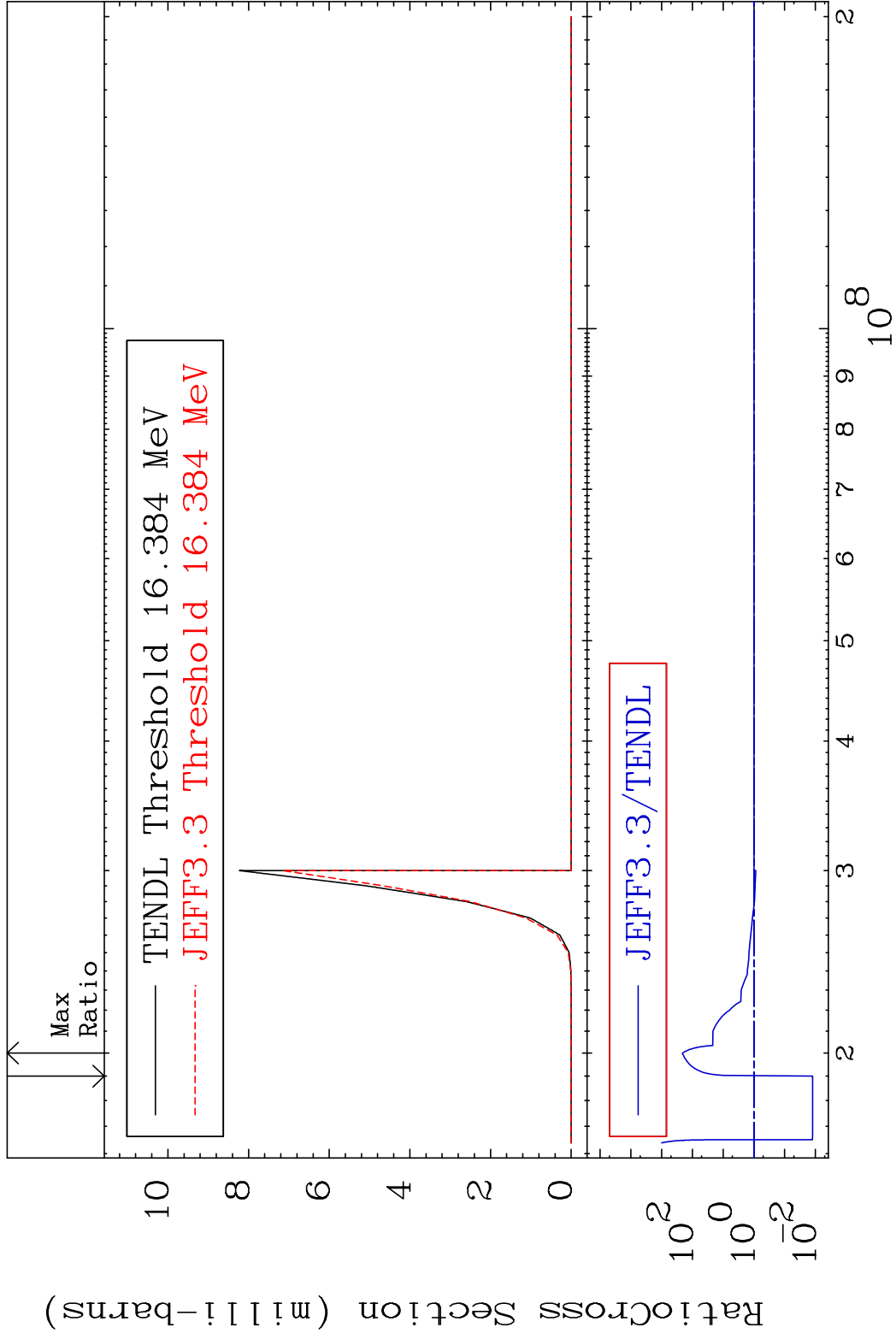
35-Br-81

MAT 3531

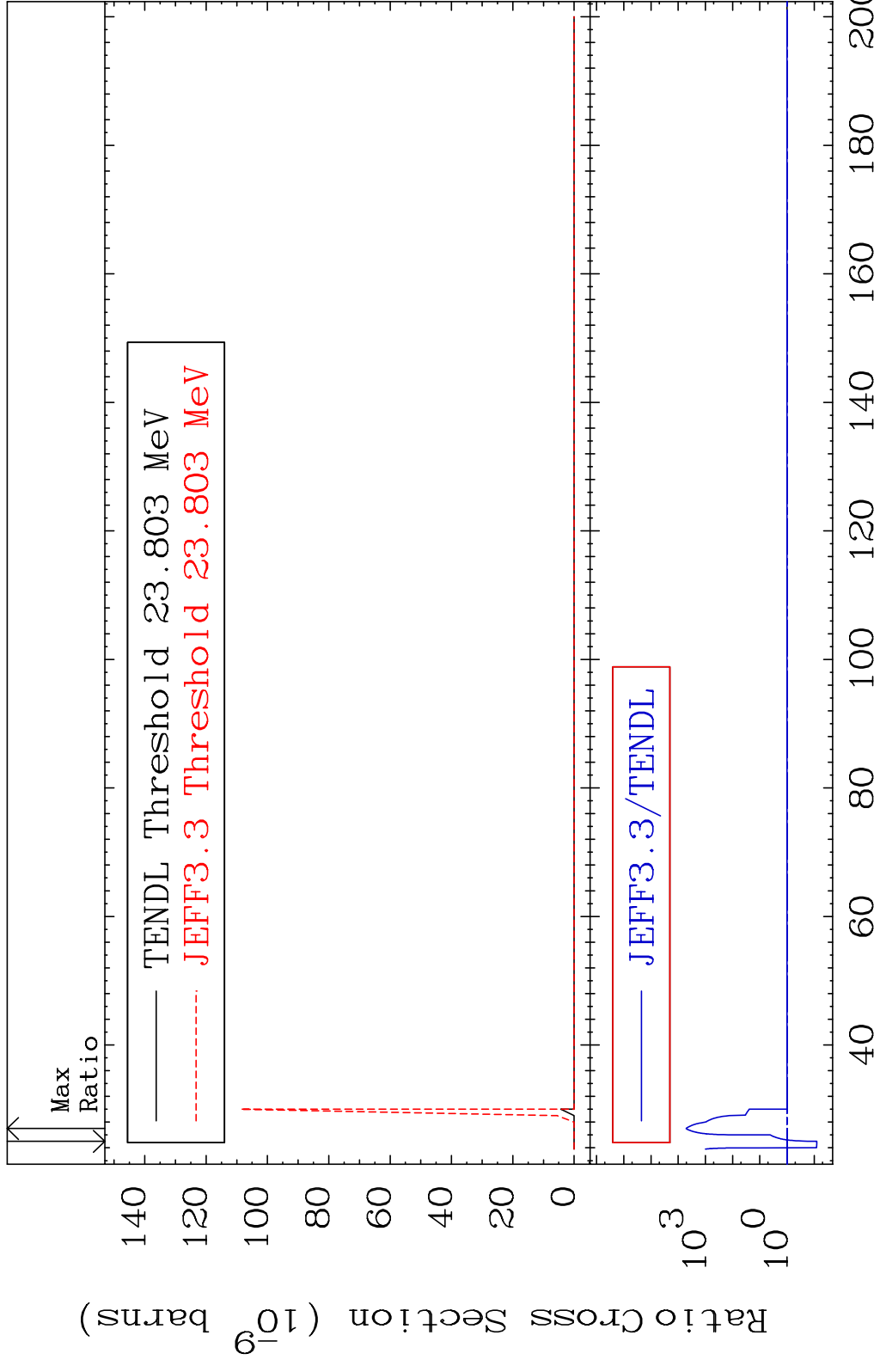
(n,2n)  $\alpha$

35-Br-81

Cross Section -98.76 To 9999. %



MAT 3531 (n,3n)  $\alpha$  35-Br-81  
 Cross Section -91.91 To 9999. %

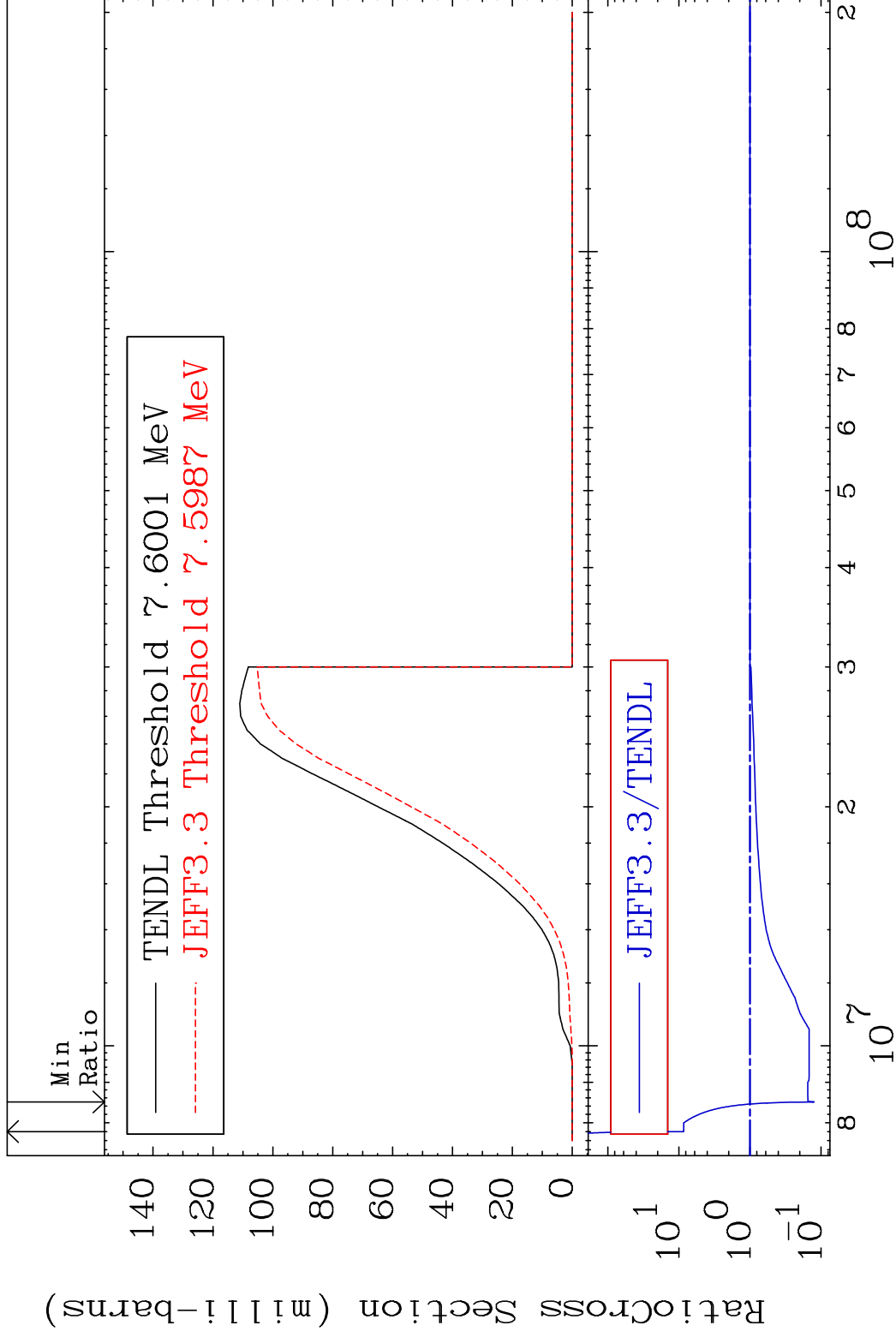


MAT 3531

(n, n') p

35-Br-81

Cross Section -87.46 To 758.0 %



10

Incident Energy (eV)

35-Br-81

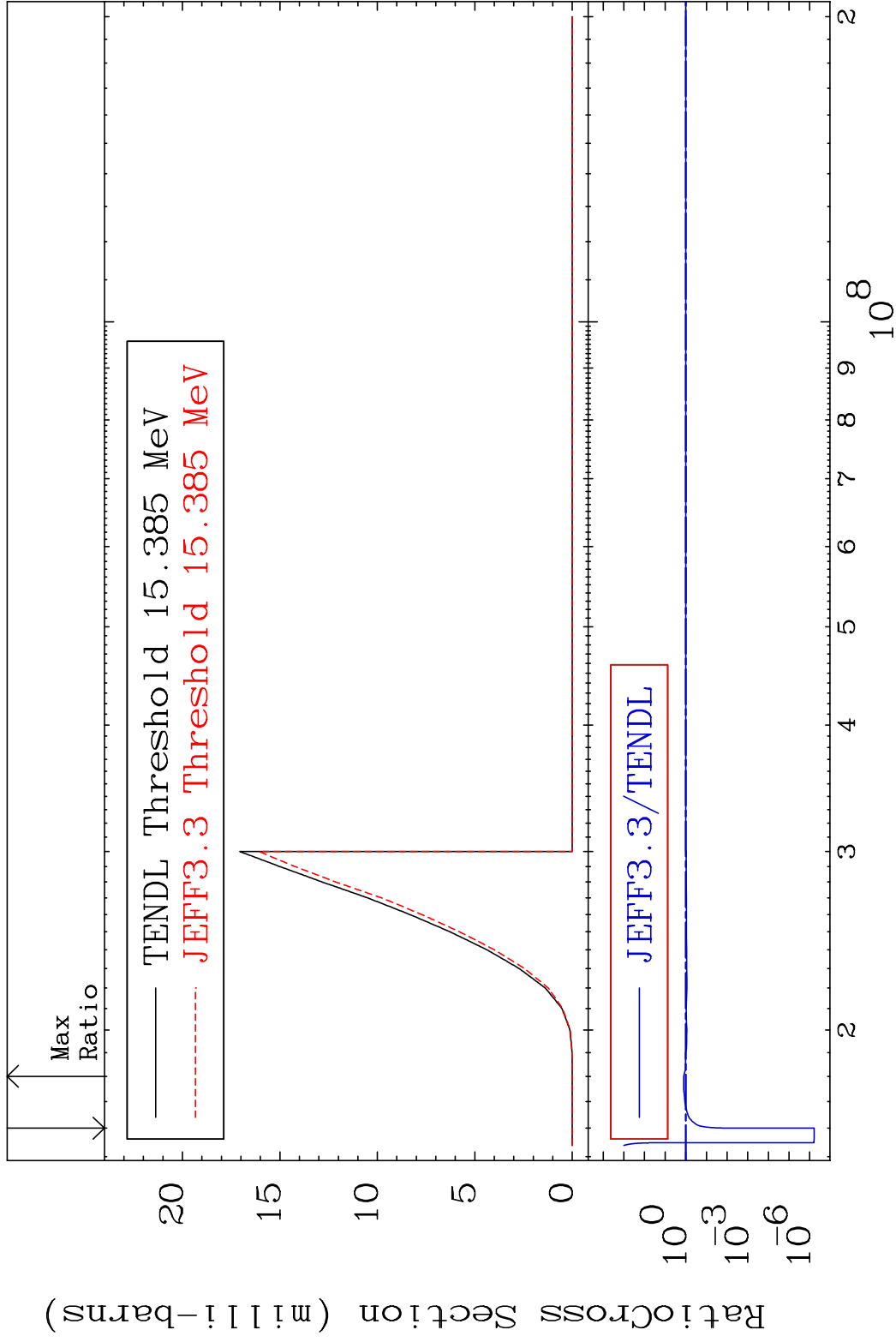


MAT 3531

(n, n') d

35-Br-81

Cross Section -100.0 To 26.78 %



12

Incident Energy (eV)

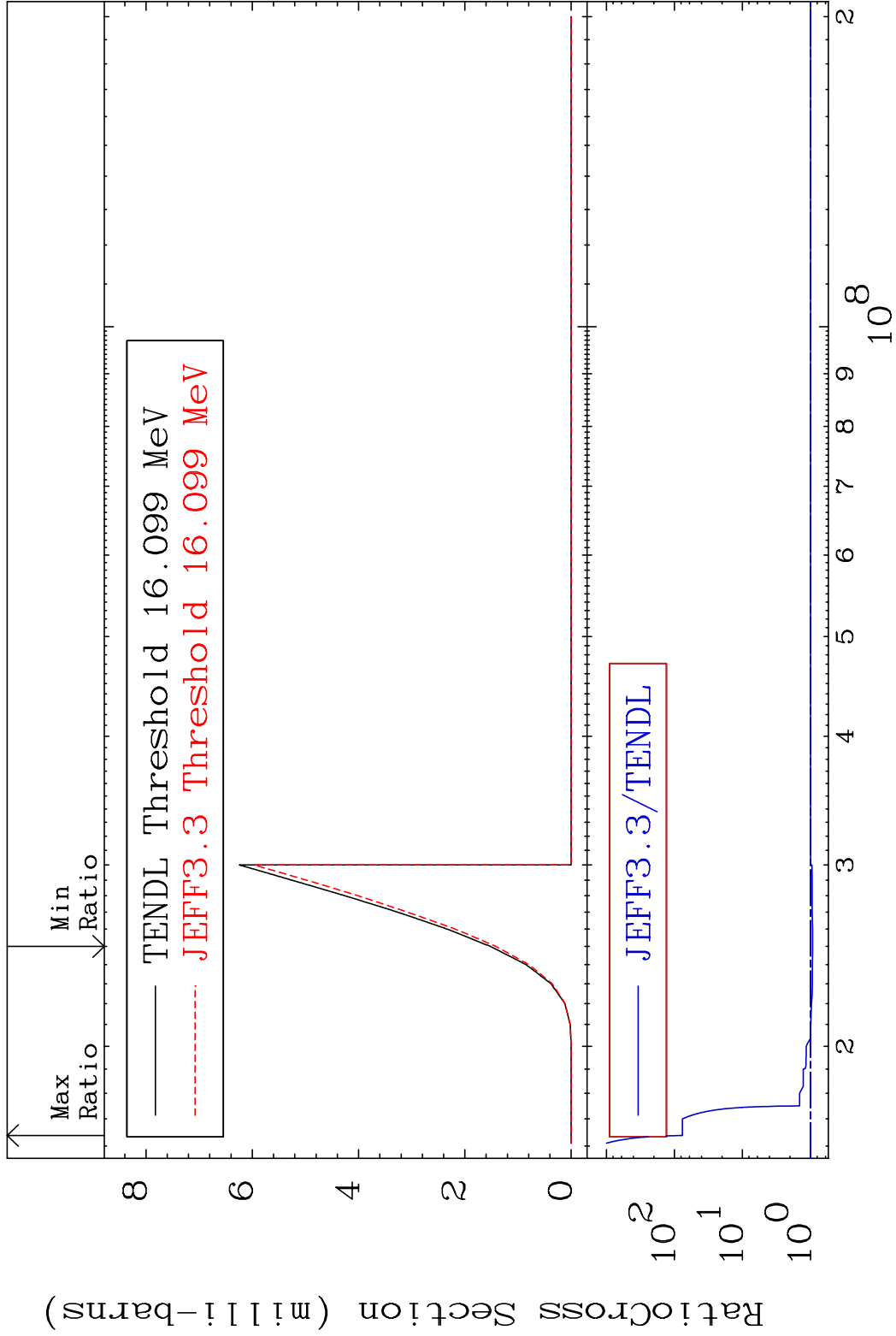
35-Br-81

MAT 3531

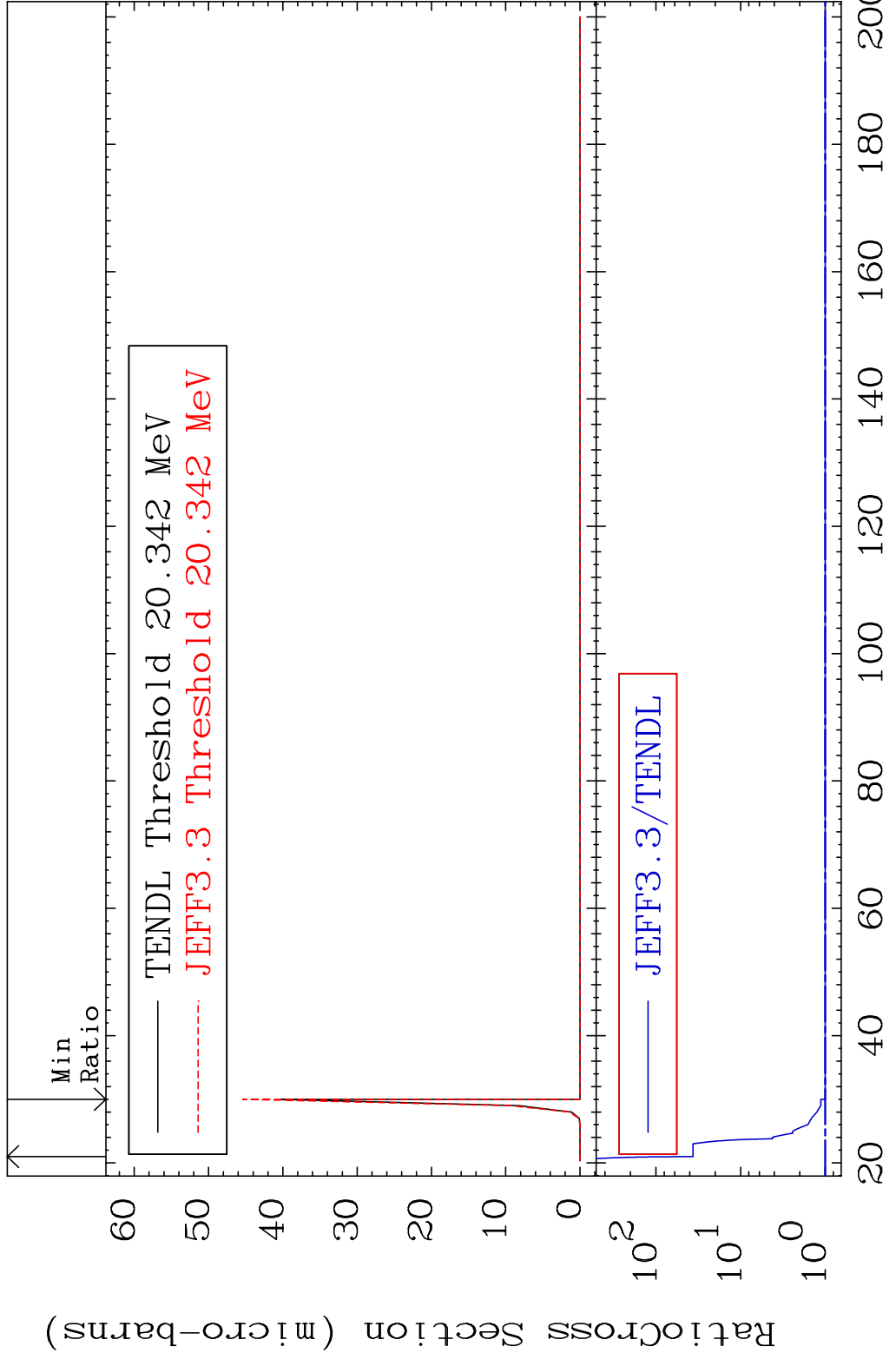
(n, n') t

35-Br-81

Cross Section -6.819 To 7542. %



MAT 3531 (n,n') He-3 35-Br-81  
 Cross Section 0.000 To 3558. %

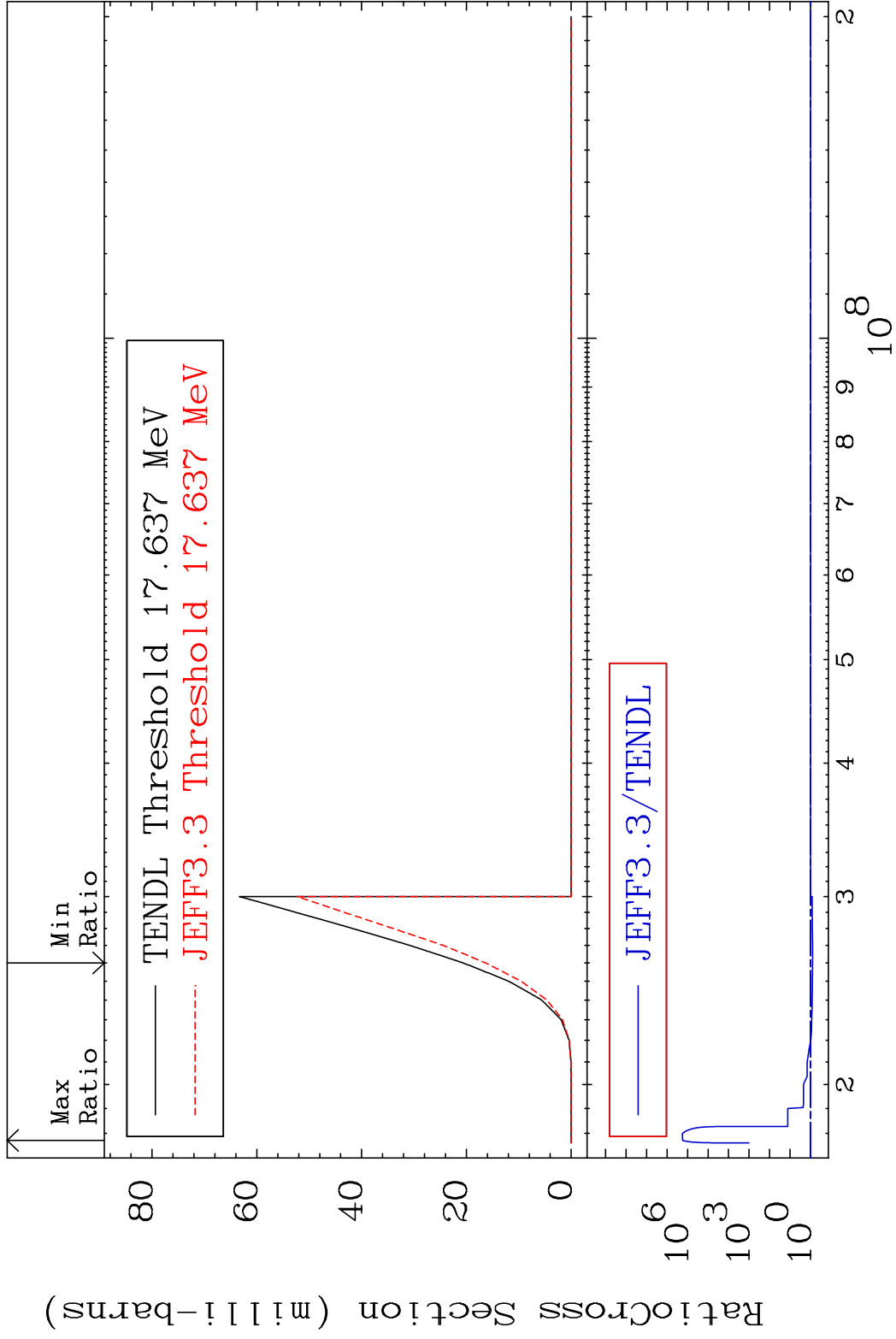


MAT 3531

(n,2n) p

35-Br-81

Cross Section -20.79 To 9999. %

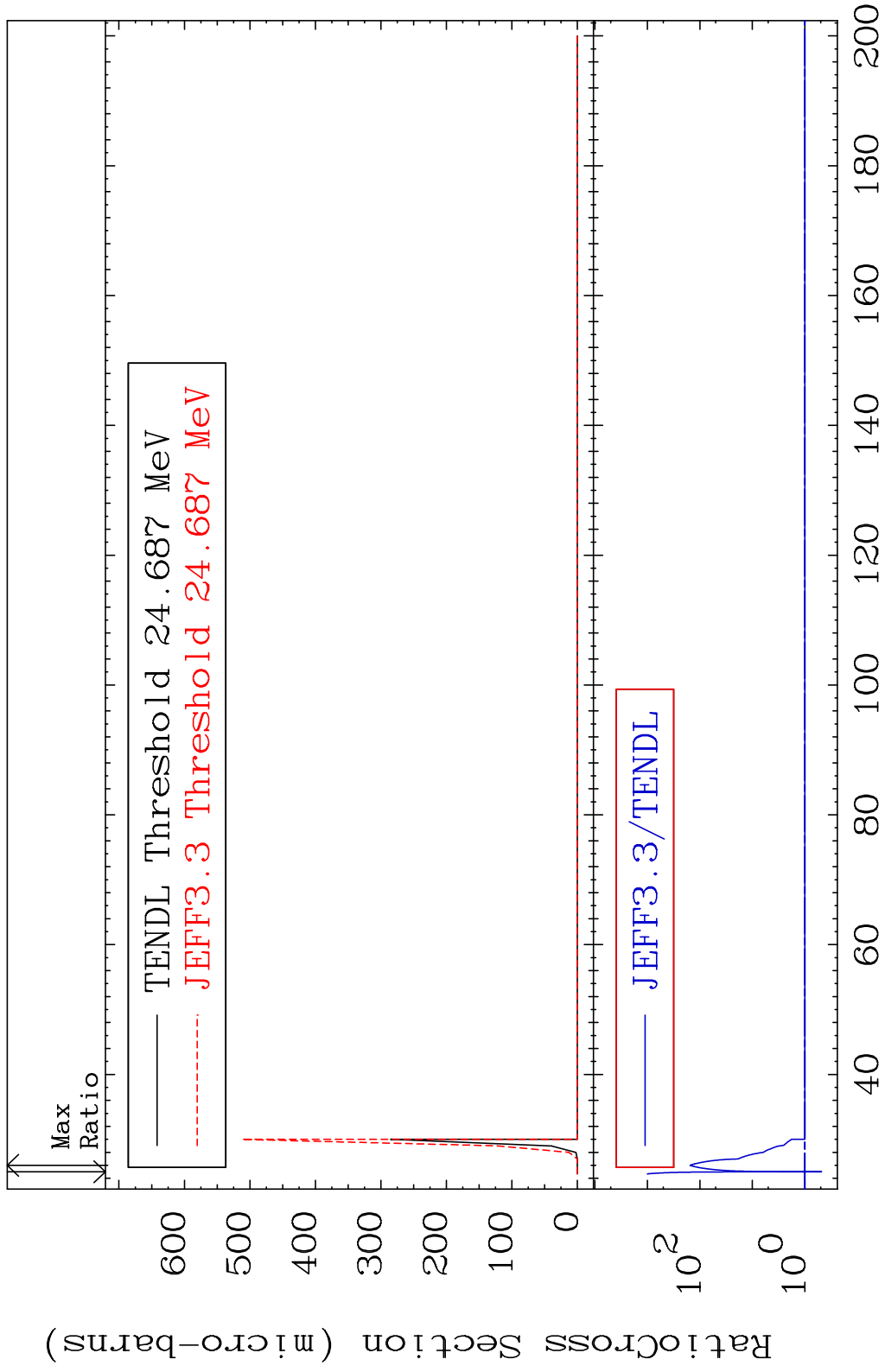


MAT 3531

(n,3n) p

35-Br-81

Cross Section -51.53 To 9999. %

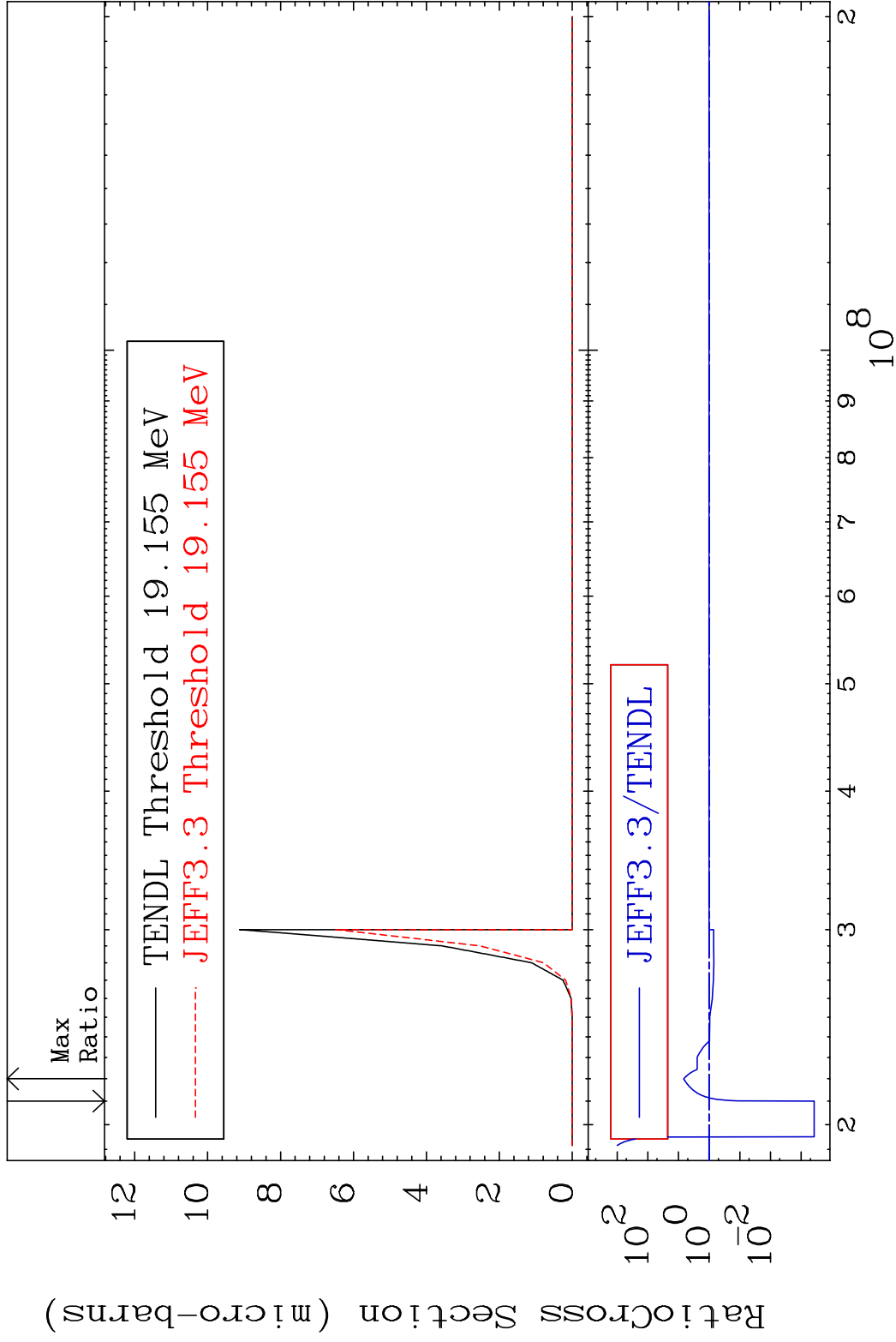


MAT 3531

(n,2n) p

35-Br-81

Cross Section -99.96 To 578.1 %



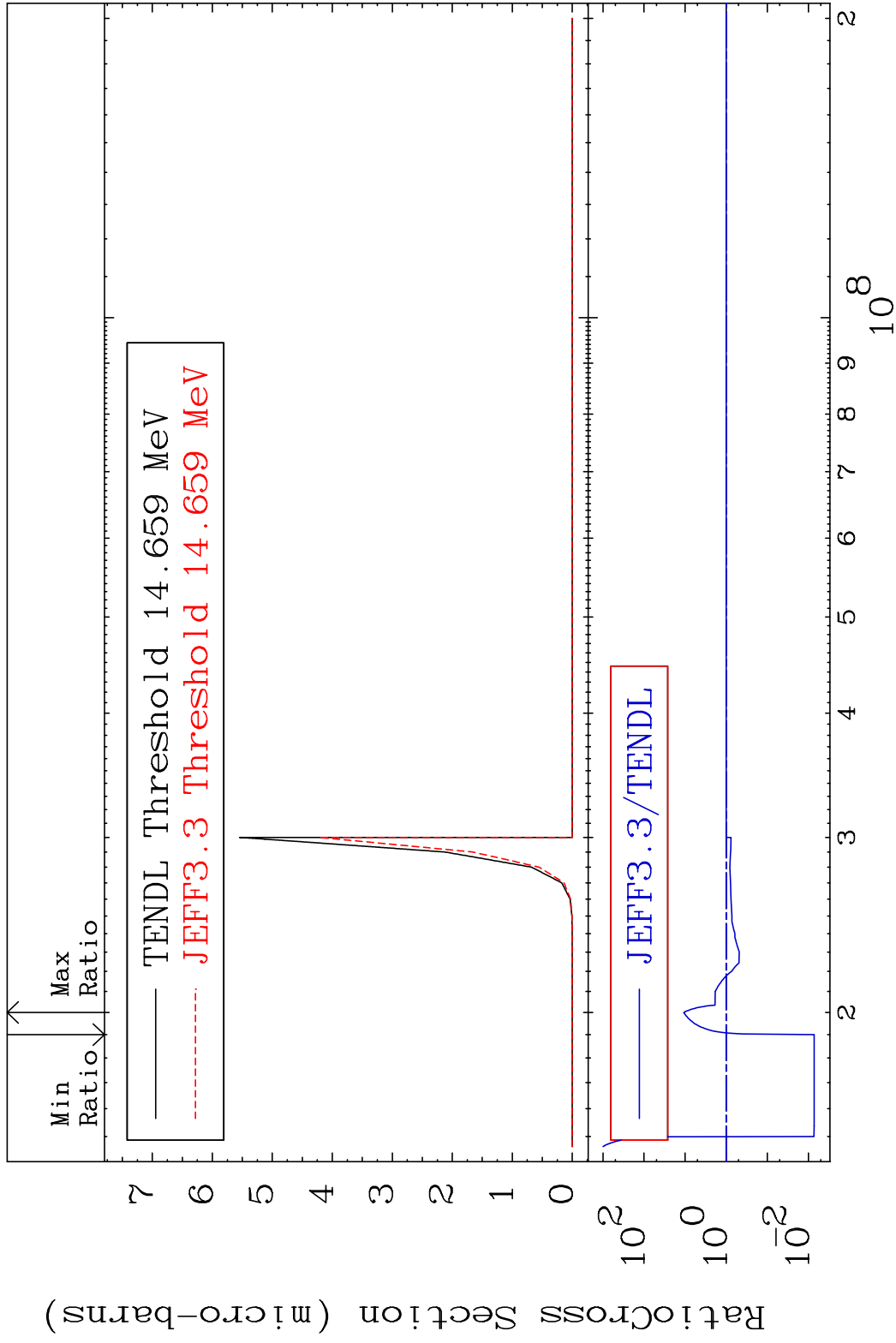
17

Incident Energy (eV)

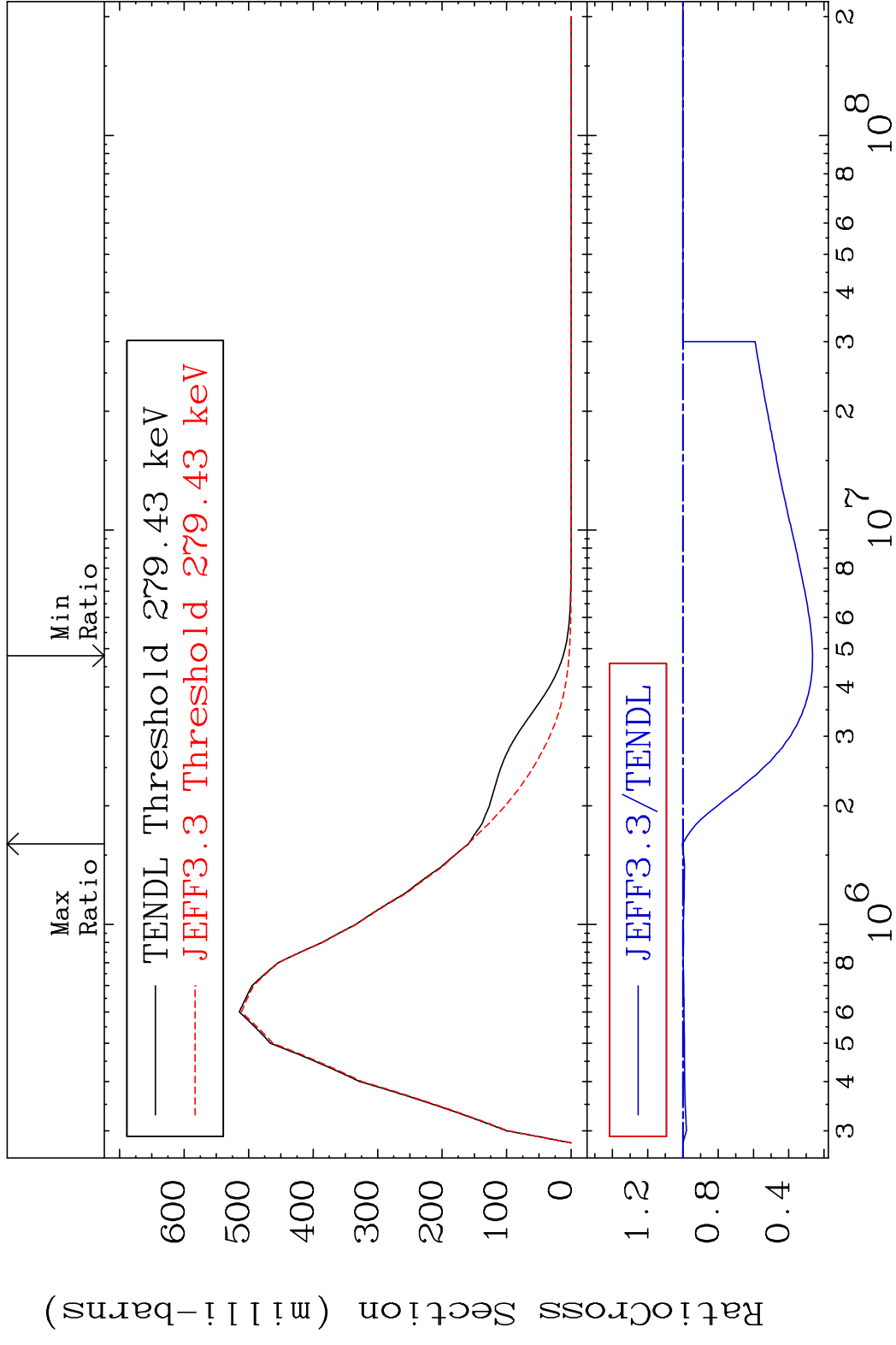
35-Br-81

MAT 3531

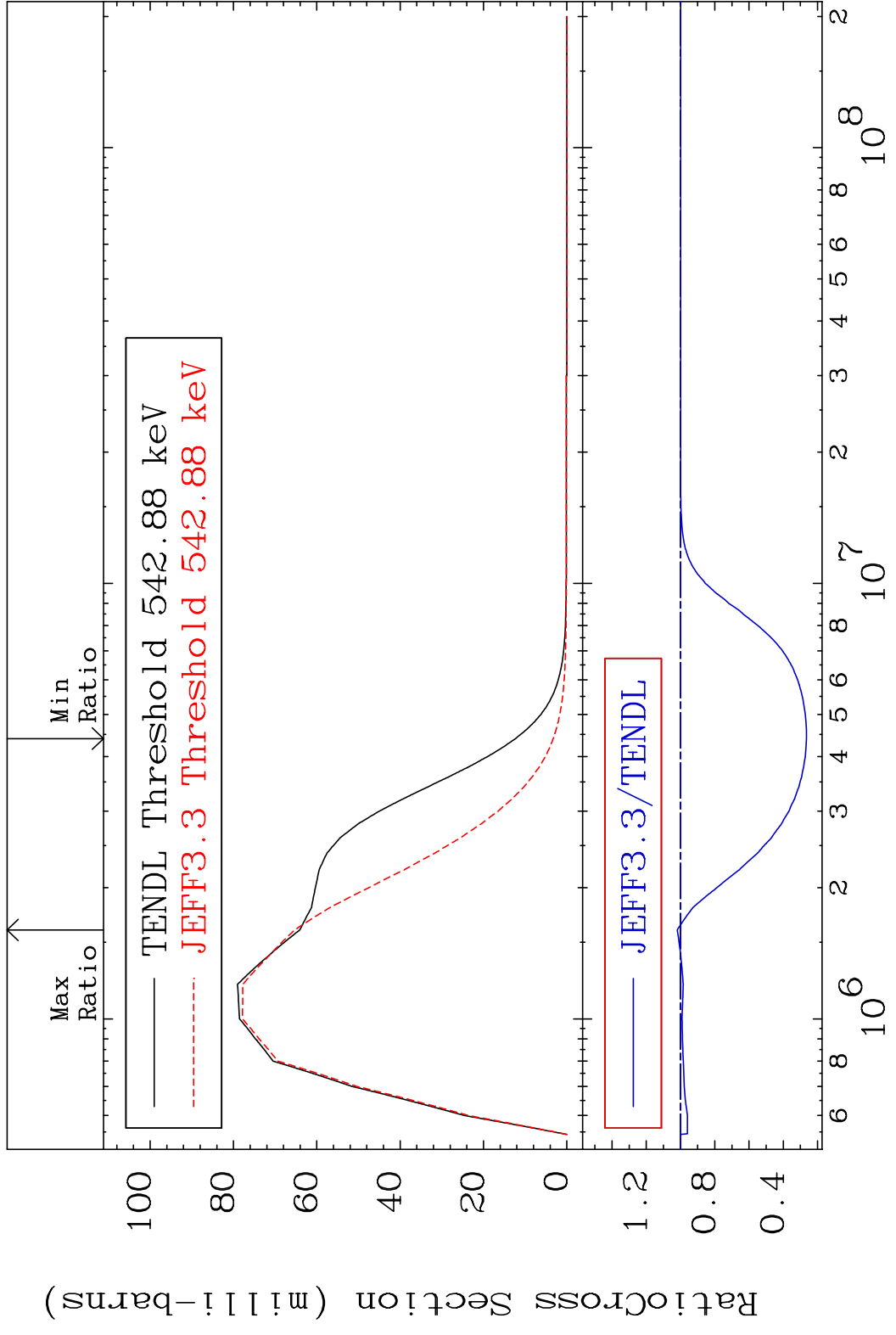
(n, n') p  $\alpha$  35-Br-81  
Cross Section -99.27 To 986.4 %



MAT 3531 MT= 51 (n, n') Level 35-Br-81  
 Cross Section -73.54 To 0.339 %

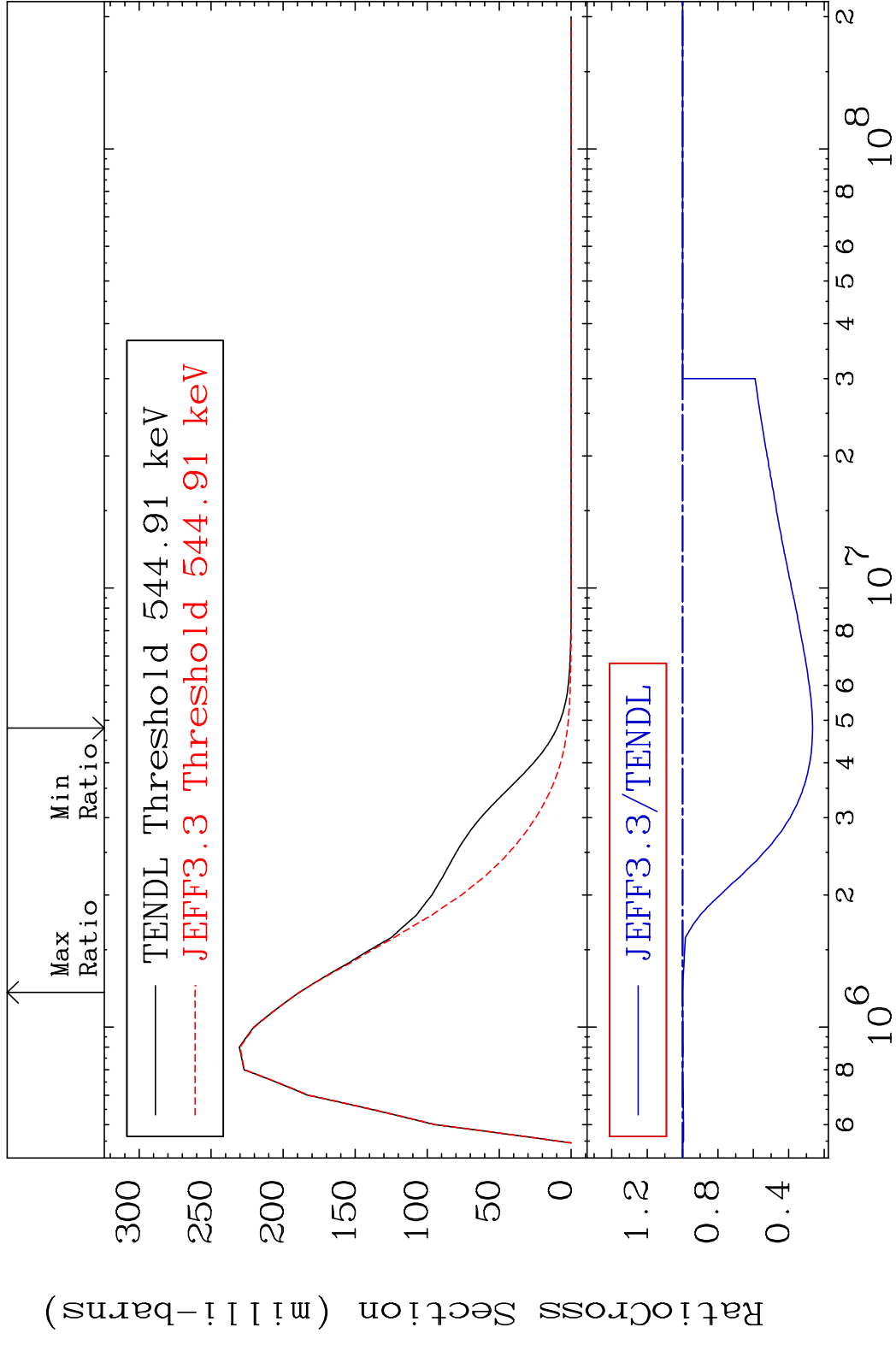


MAT 3531 MT= 52 (n, n') Level 35-Br-81  
 Cross Section -73.50 To 1.943 %

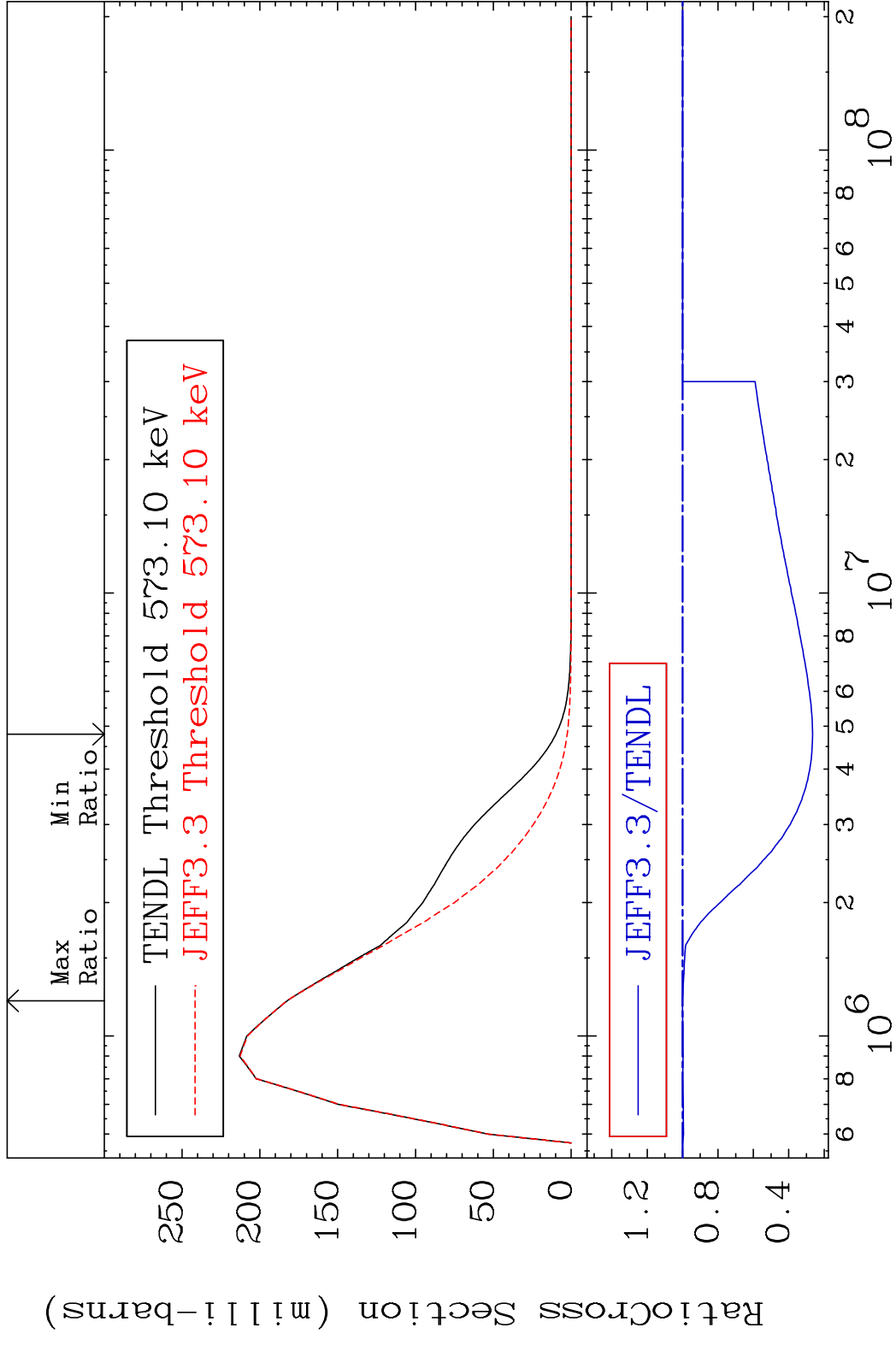


20 Incident Energy (eV) 35-Br-81

MAT 3531 MT= 53 (n, n') Level 35-Br-81  
 Cross Section -73.44 To 0.116 %

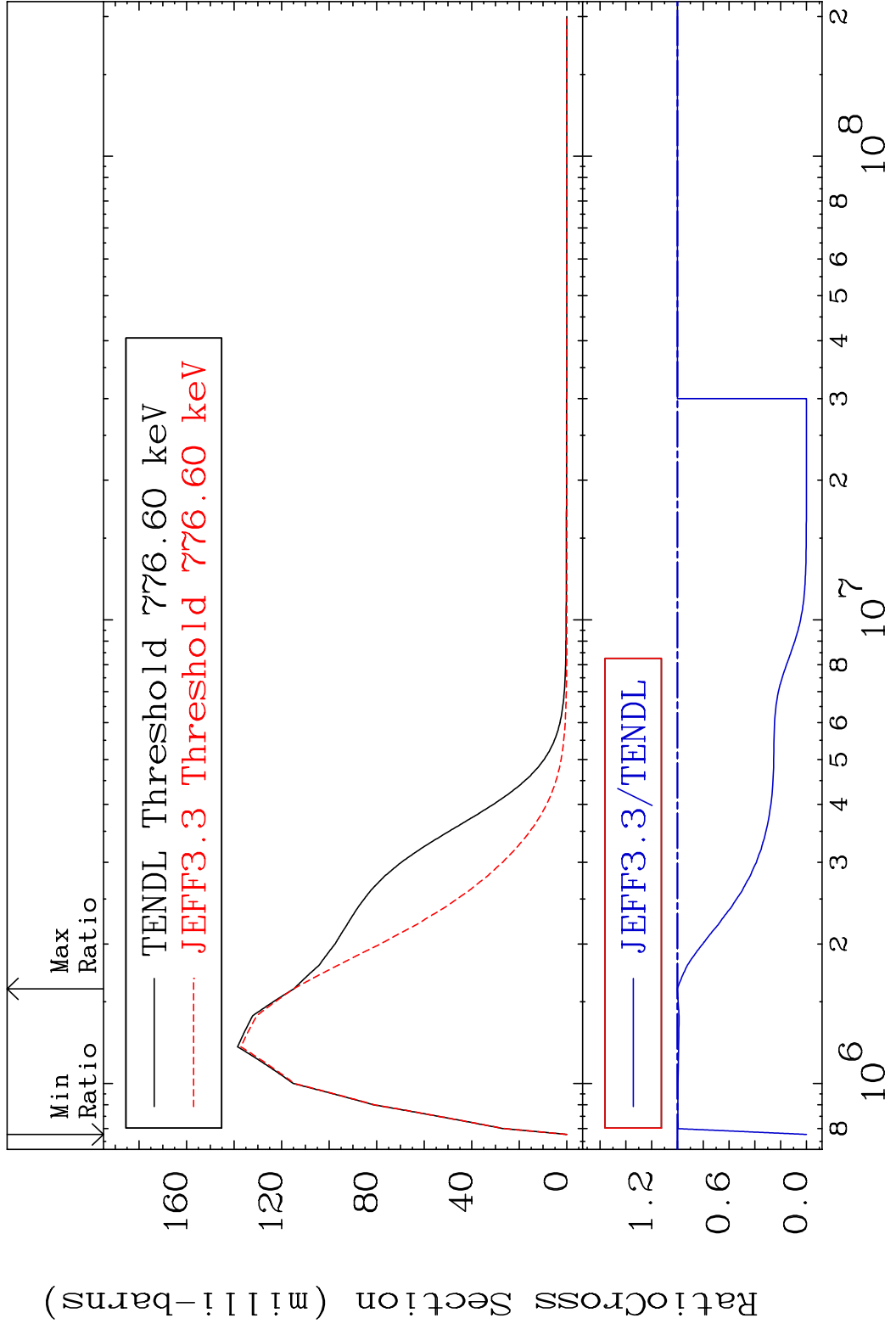


MAT 3531 MT= 54 (n, n') Level 35-Br-81  
 Cross Section -73.44 To 0.119 %

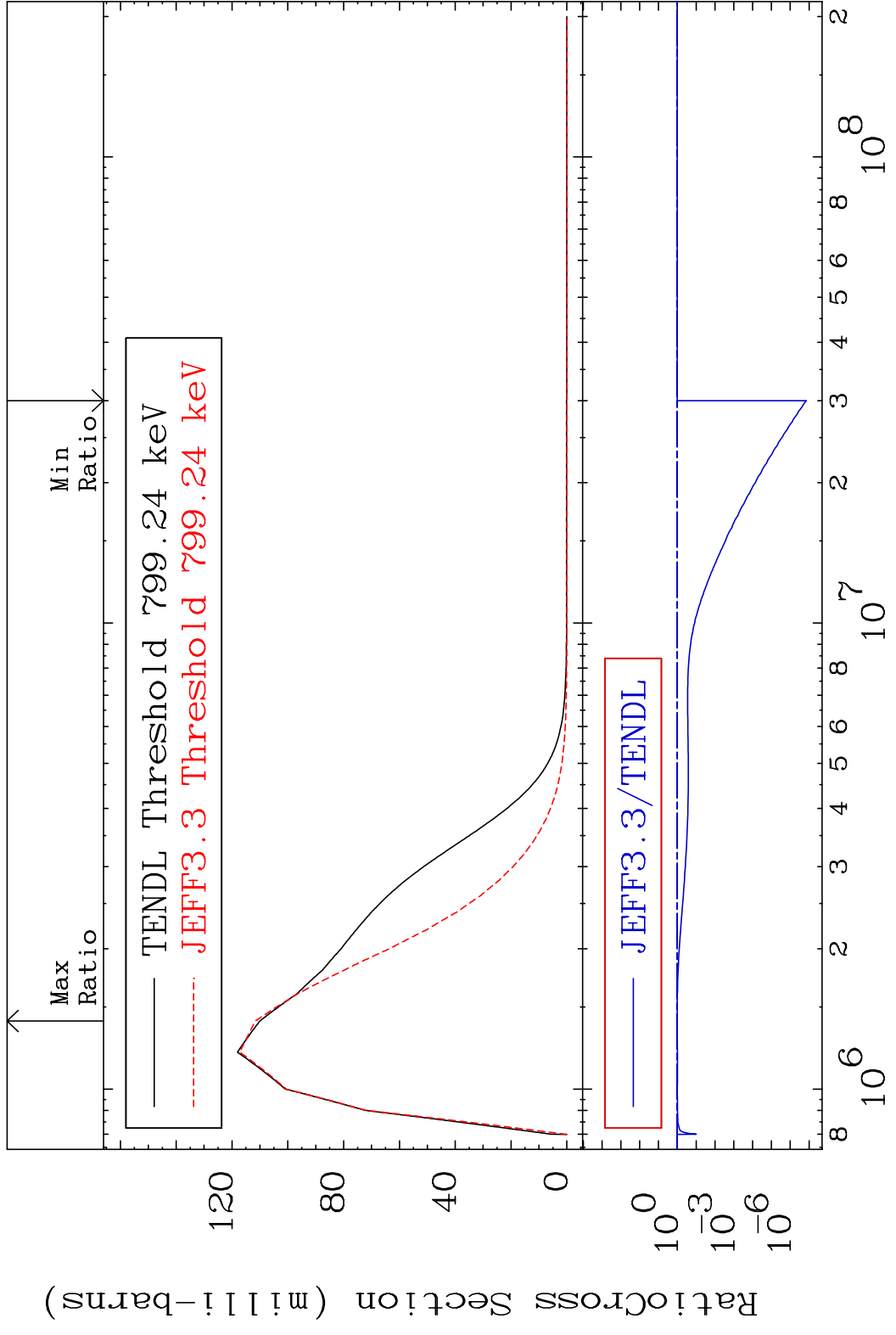




MAT 3531 MT= 56 (n,n') Level 35-Br-81  
 Cross Section -100.0 To 0.148 %

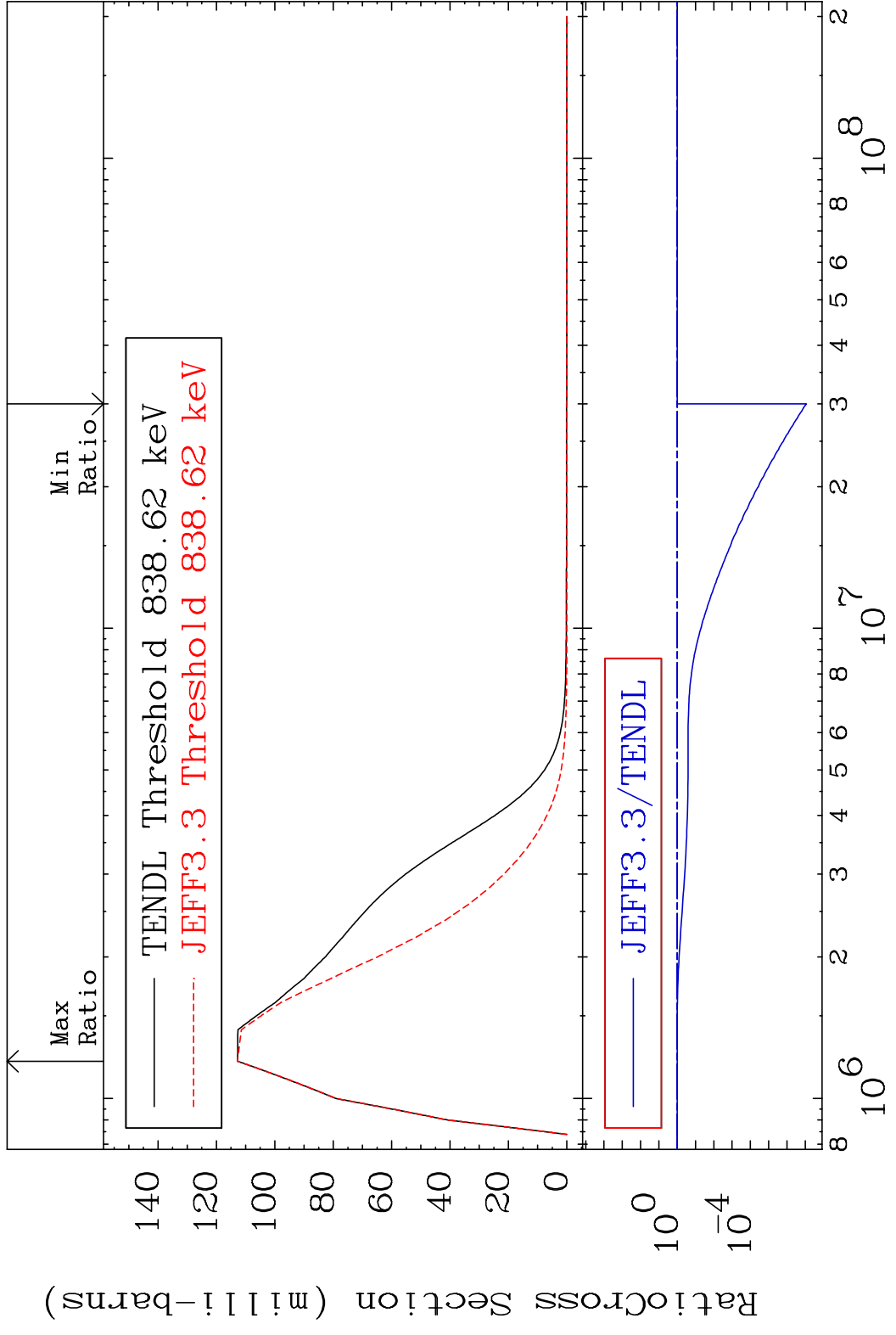


MAT 3531 MT= 57 (n,n') Level 35-Br-81  
 Cross Section -100.0 To 1.466 %

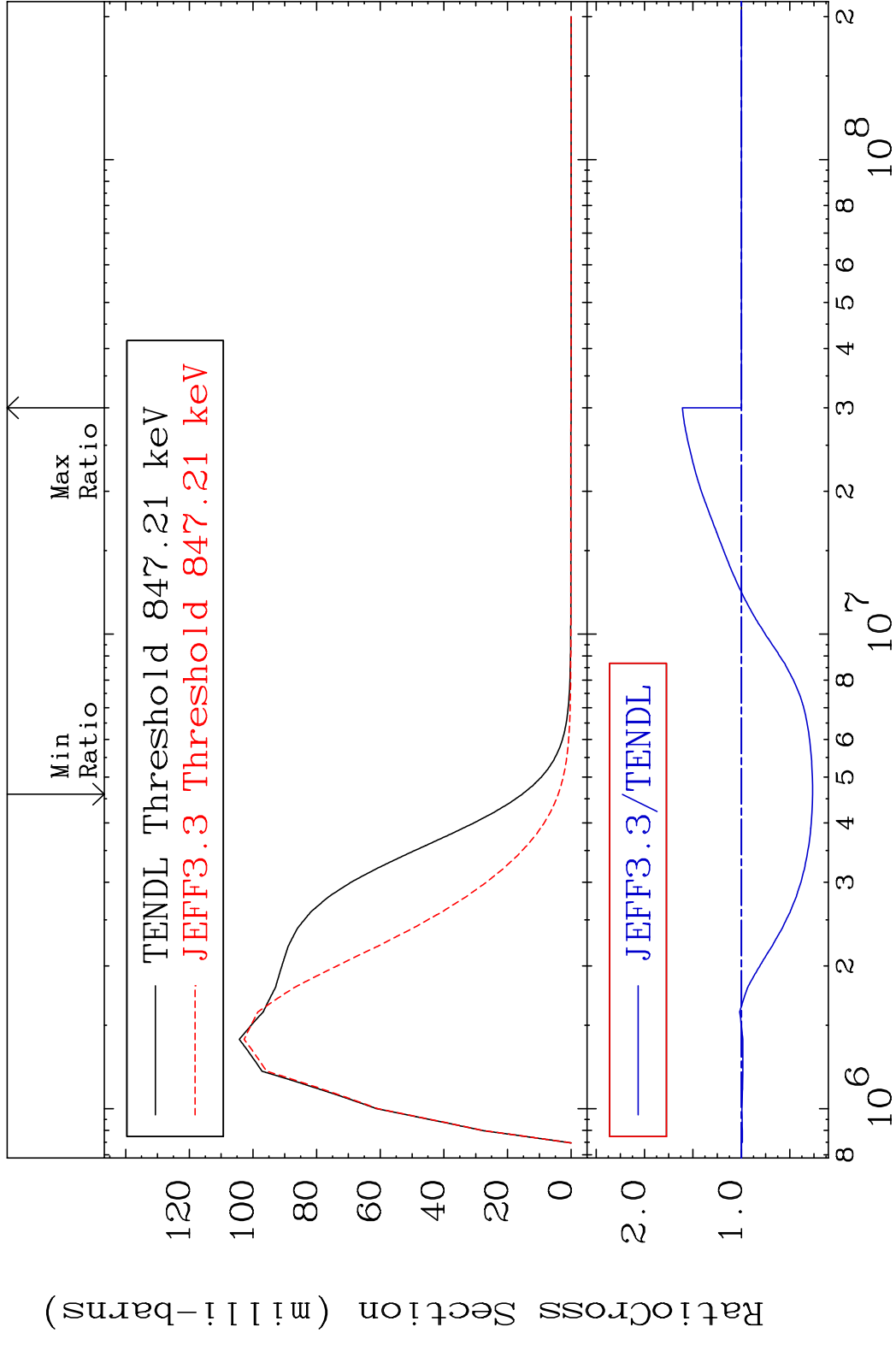


25 Incident Energy (eV) 35-Br-81

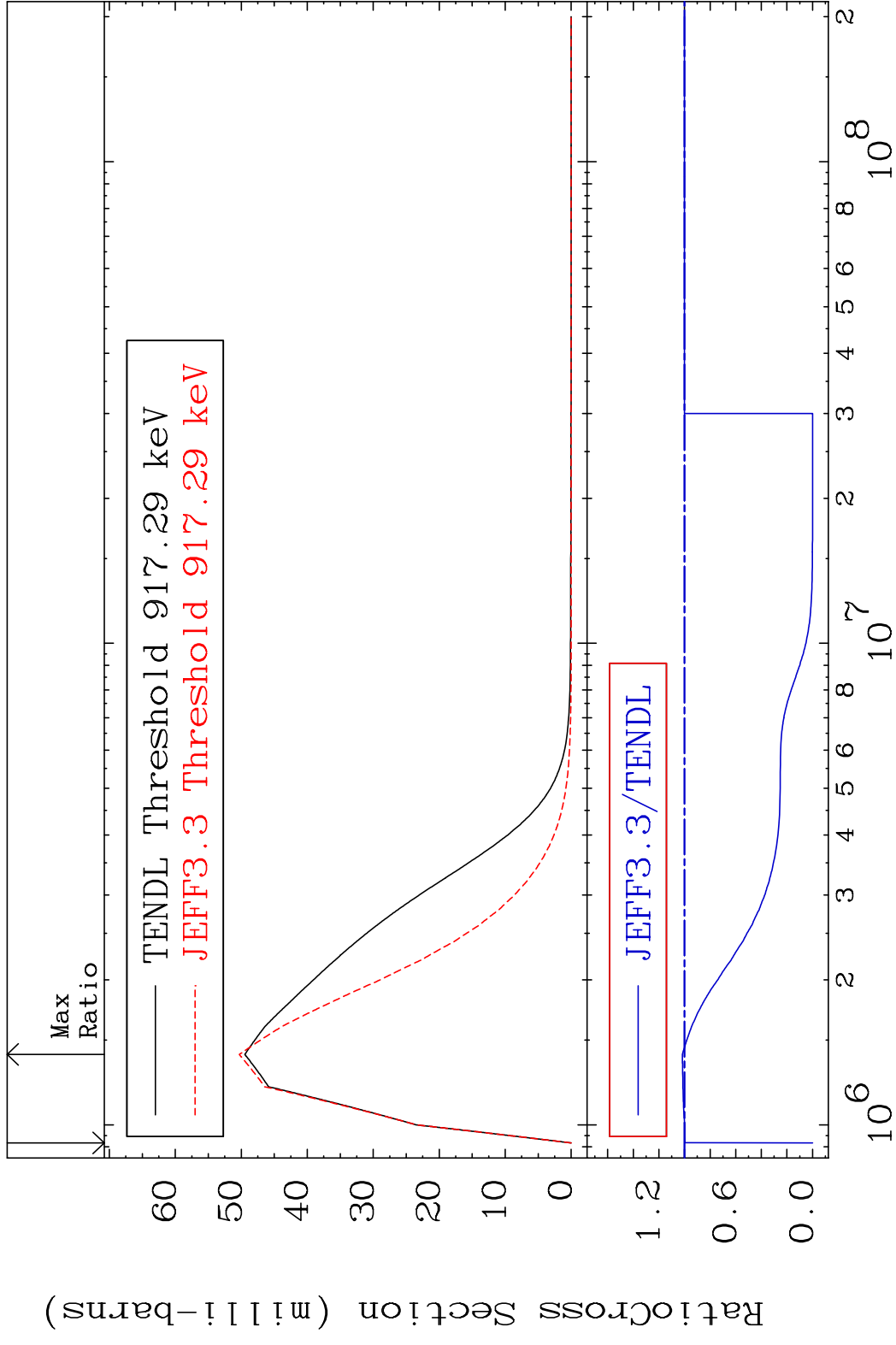
MAT 3531 MT= 58 (n, n') Level 35-Br-81  
 Cross Section -100.0 To 0.022 %



MAT 3531 MT= 59 (n, n') Level 35-Br-81  
 Cross Section -73.51 To 60.96 %

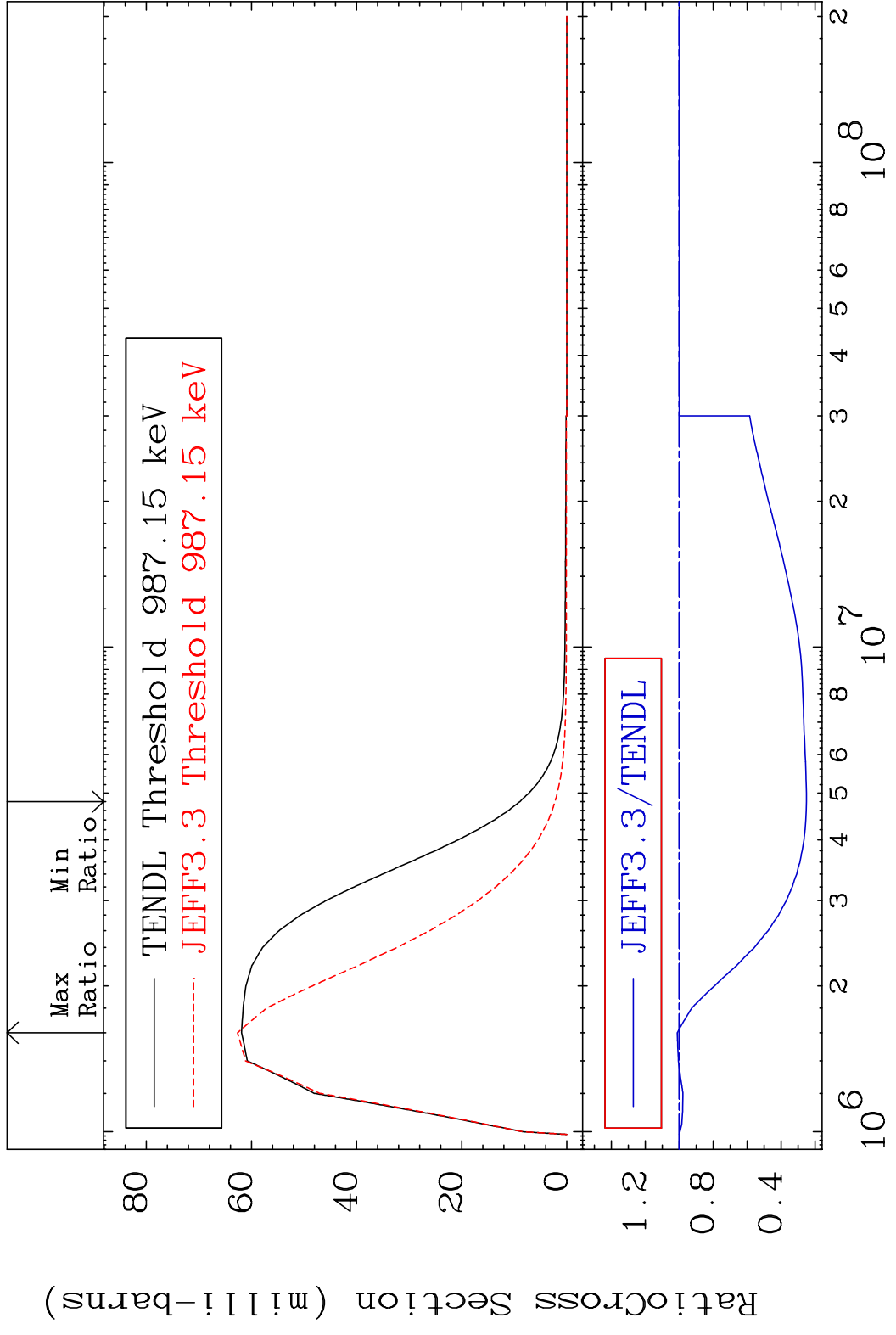


MAT 3531 MT= 60 (n, n') Level 35-Br-81  
 Cross Section -100.0 To 1.691 %



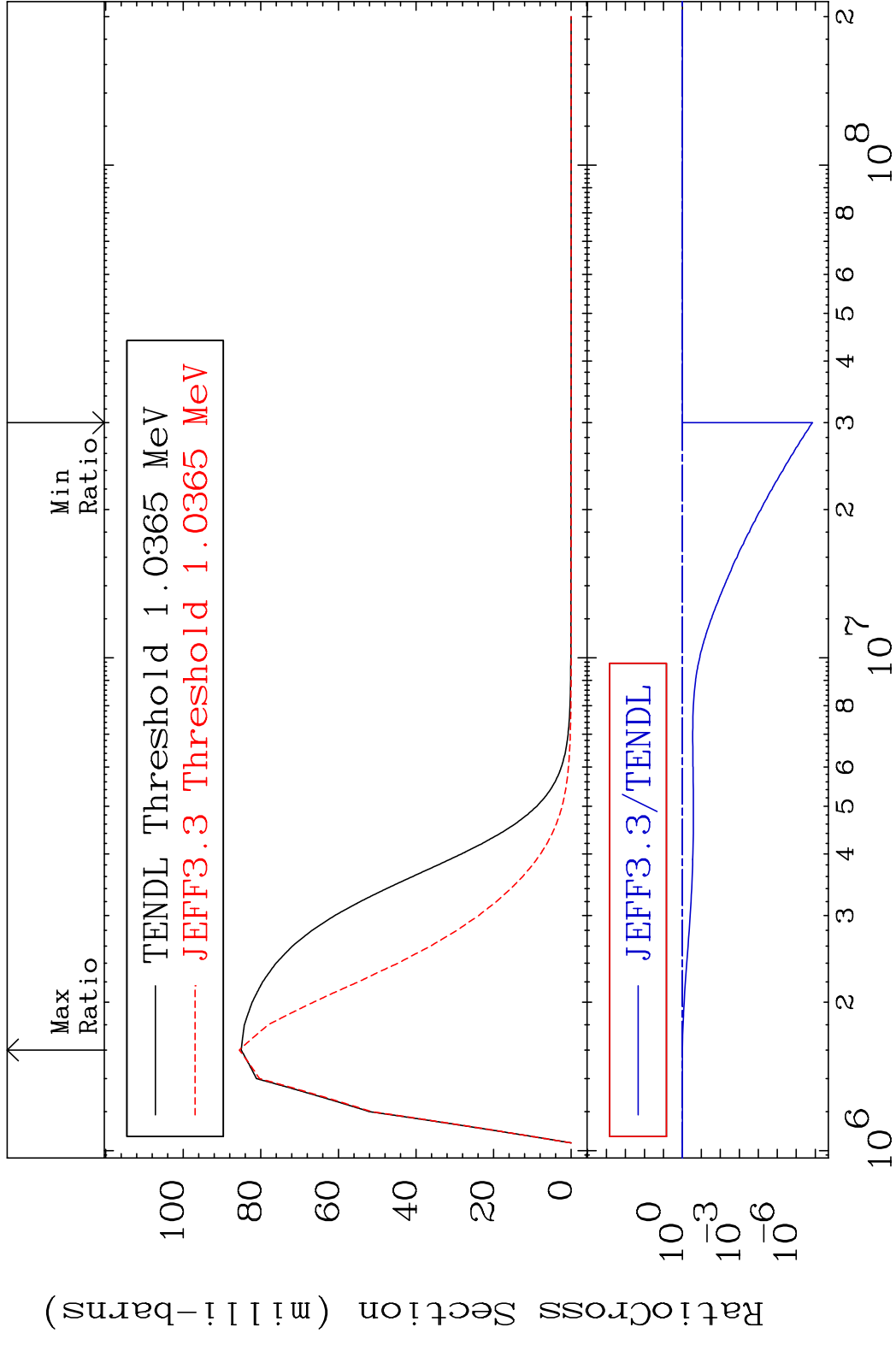
28 Incident Energy (eV) 35-Br-81

MAT 3531 MT= 61 (n, n') Level 35-Br-81  
 Cross Section -74.90 To 1.256 %



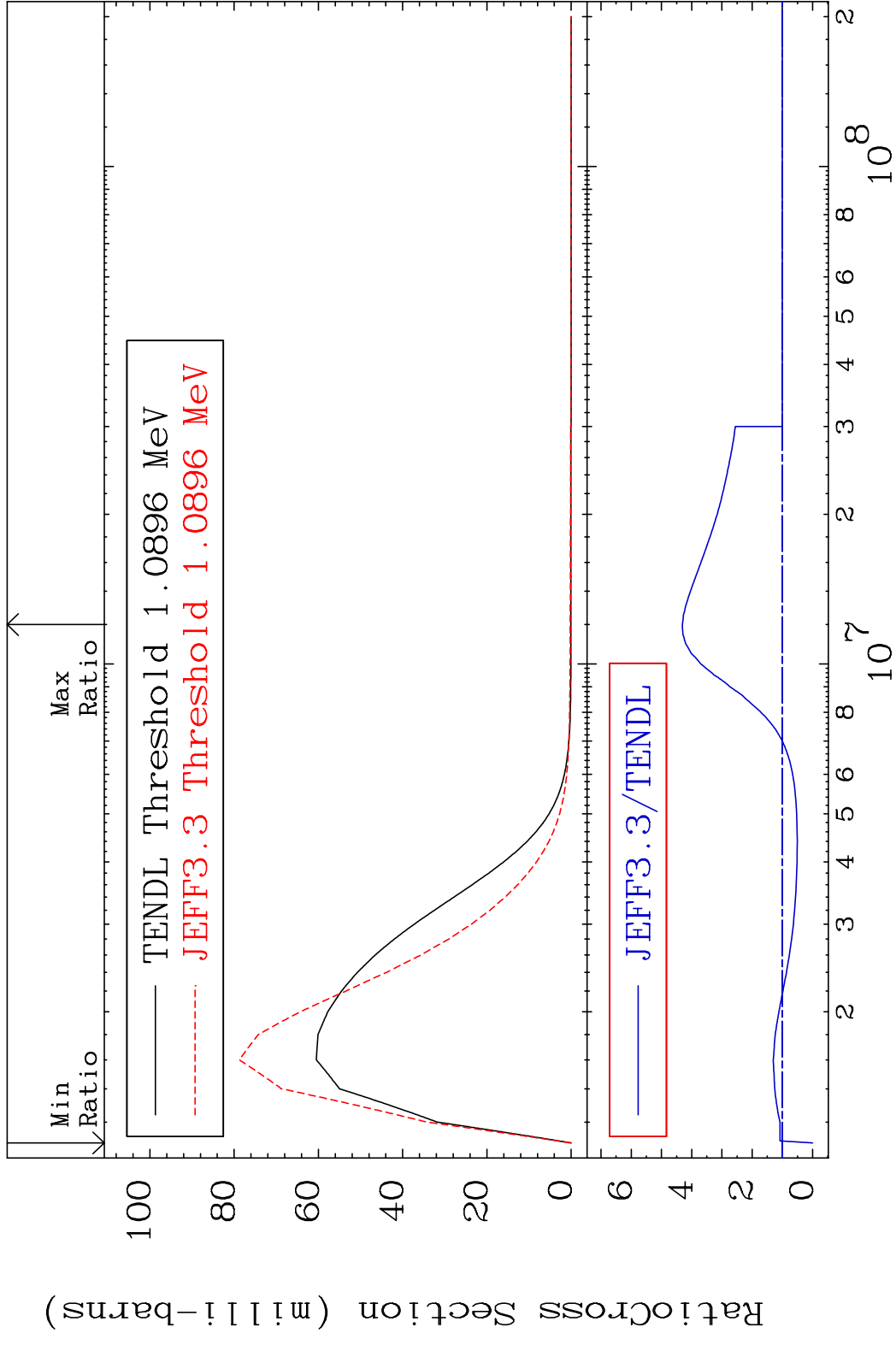
29 Incident Energy (eV) 35-Br-81

MAT 3531 MT= 62 (n, n') Level 35-Br-81  
 Cross Section -100.0 To 0.553 %

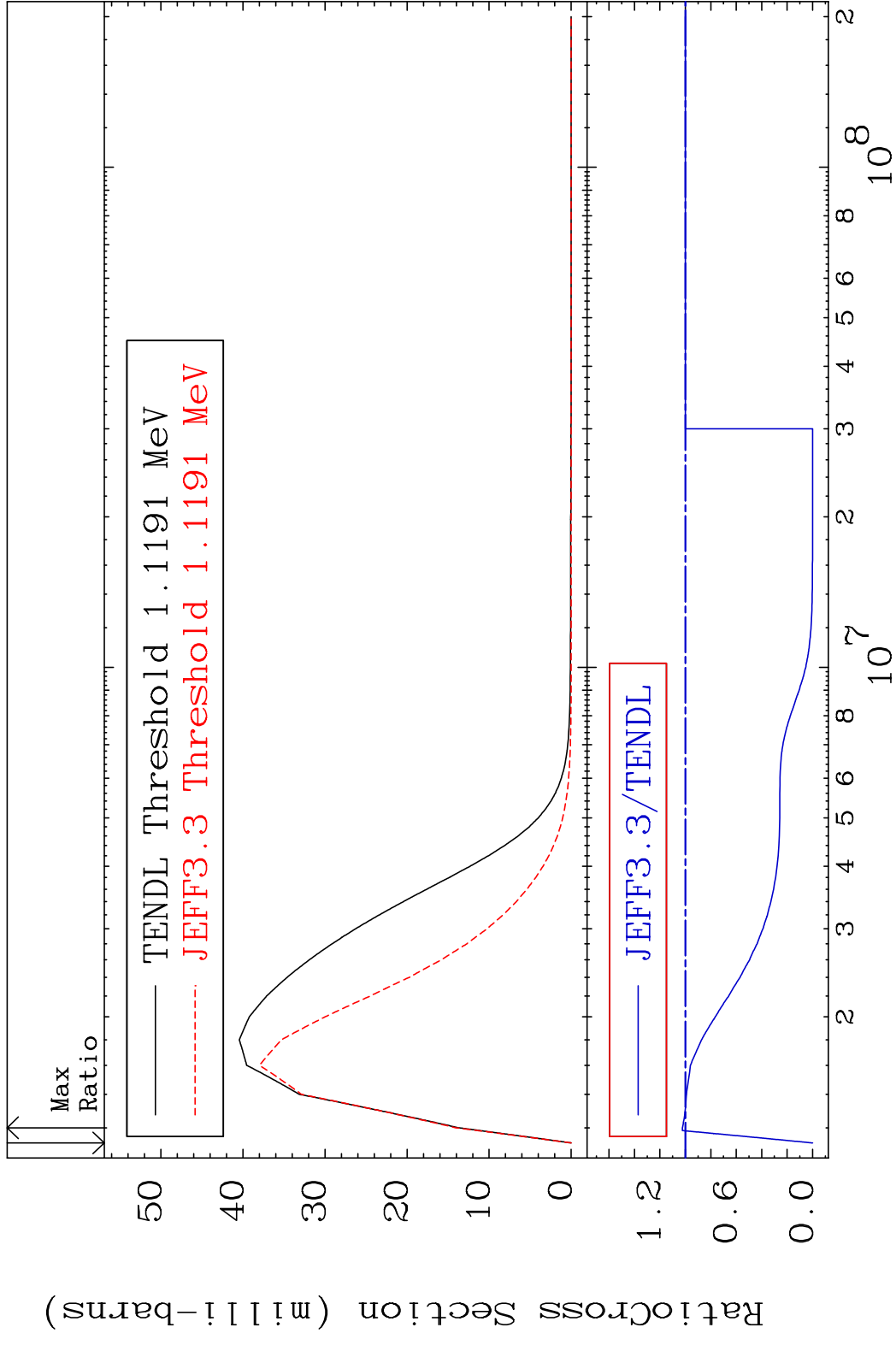


30 Incident Energy (eV) 35-Br-81

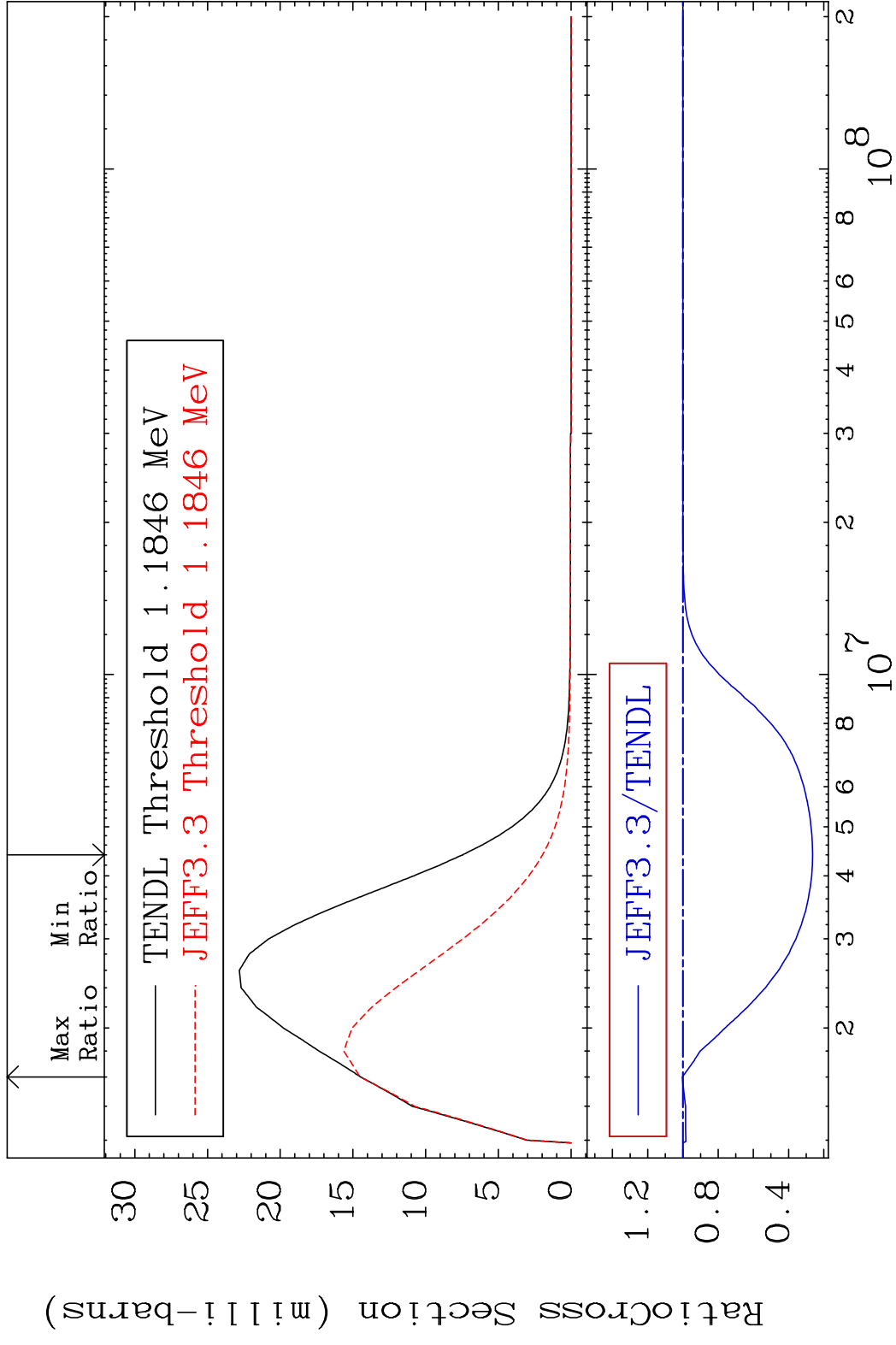
MAT 3531 MT= 63 (n, n') Level 35-Br-81  
 Cross Section -100.0 To 330.9 %



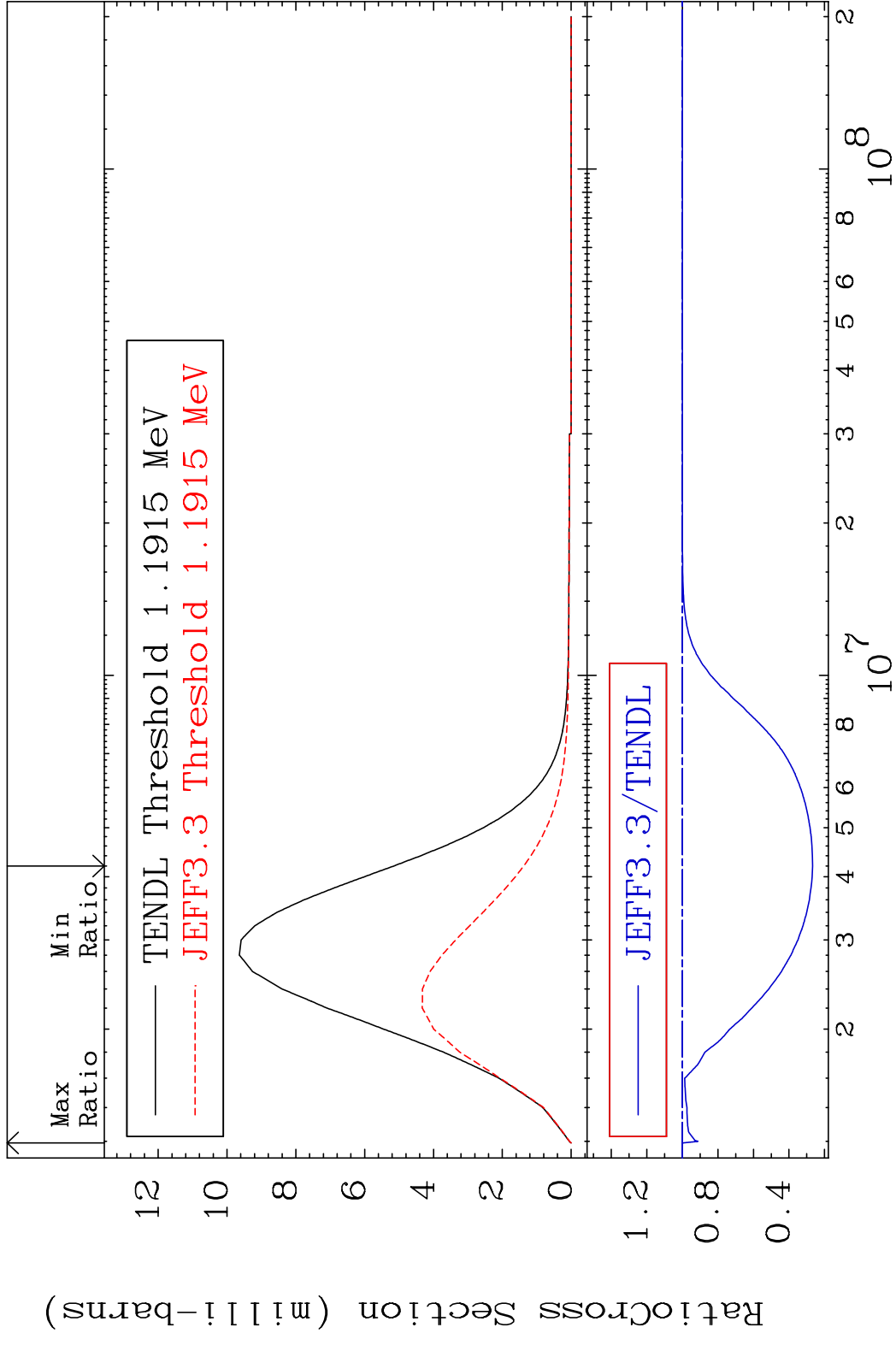
MAT 3531 MT= 64 (n, n') Level 35-Br-81  
 Cross Section -100.0 To 2.363 %



MAT 3531 MT= 65 (n,n') Level 35-Br-81  
 Cross Section -73.62 To 0.316 %



MAT 3531 MT= 66 (n, n') Level 35-Br-81  
 Cross Section -73.26 To 0.000 %

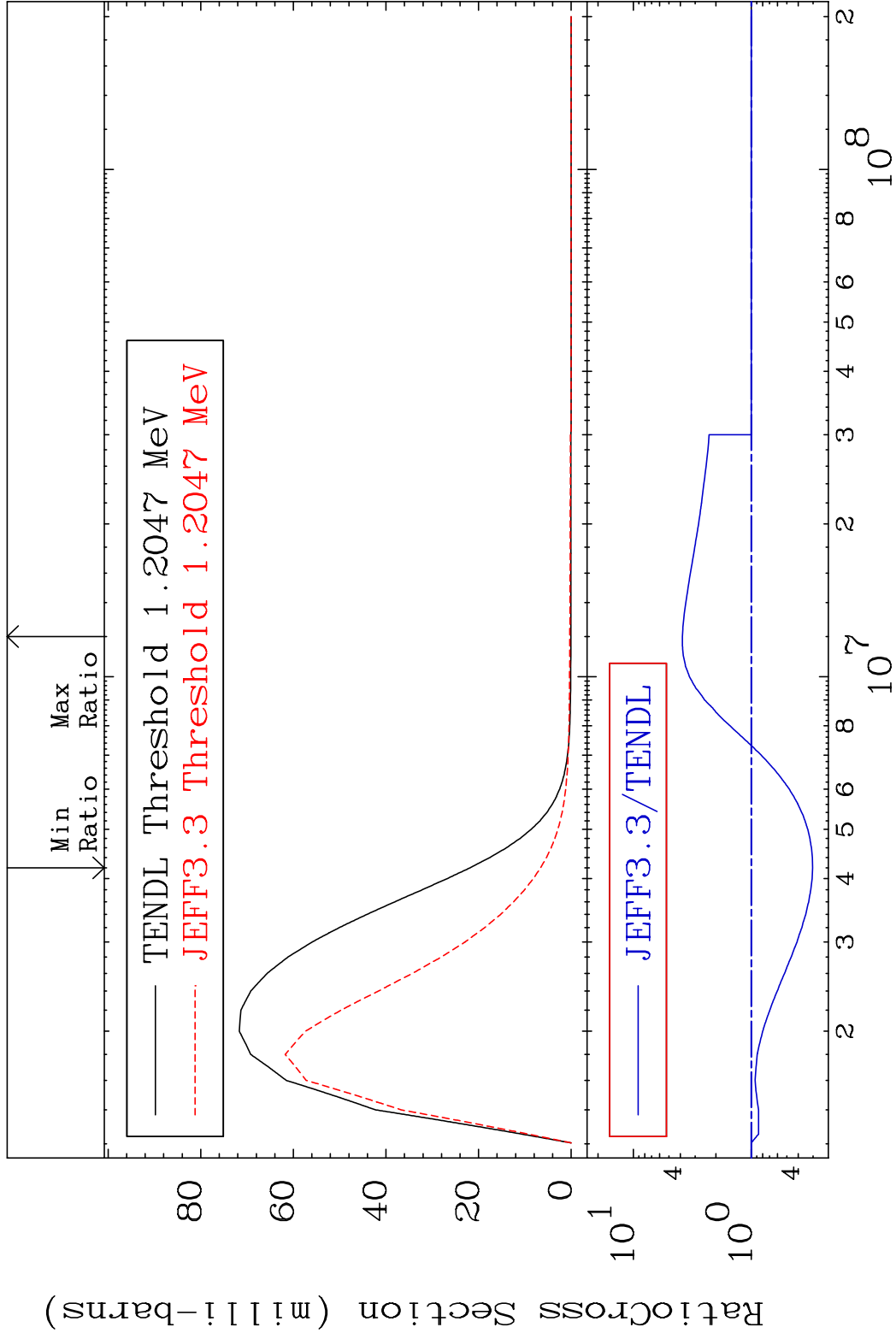


MAT 3531

MT= 67 (n, n') Level

35-Br-81

Cross Section -69.76 To 284.5 %

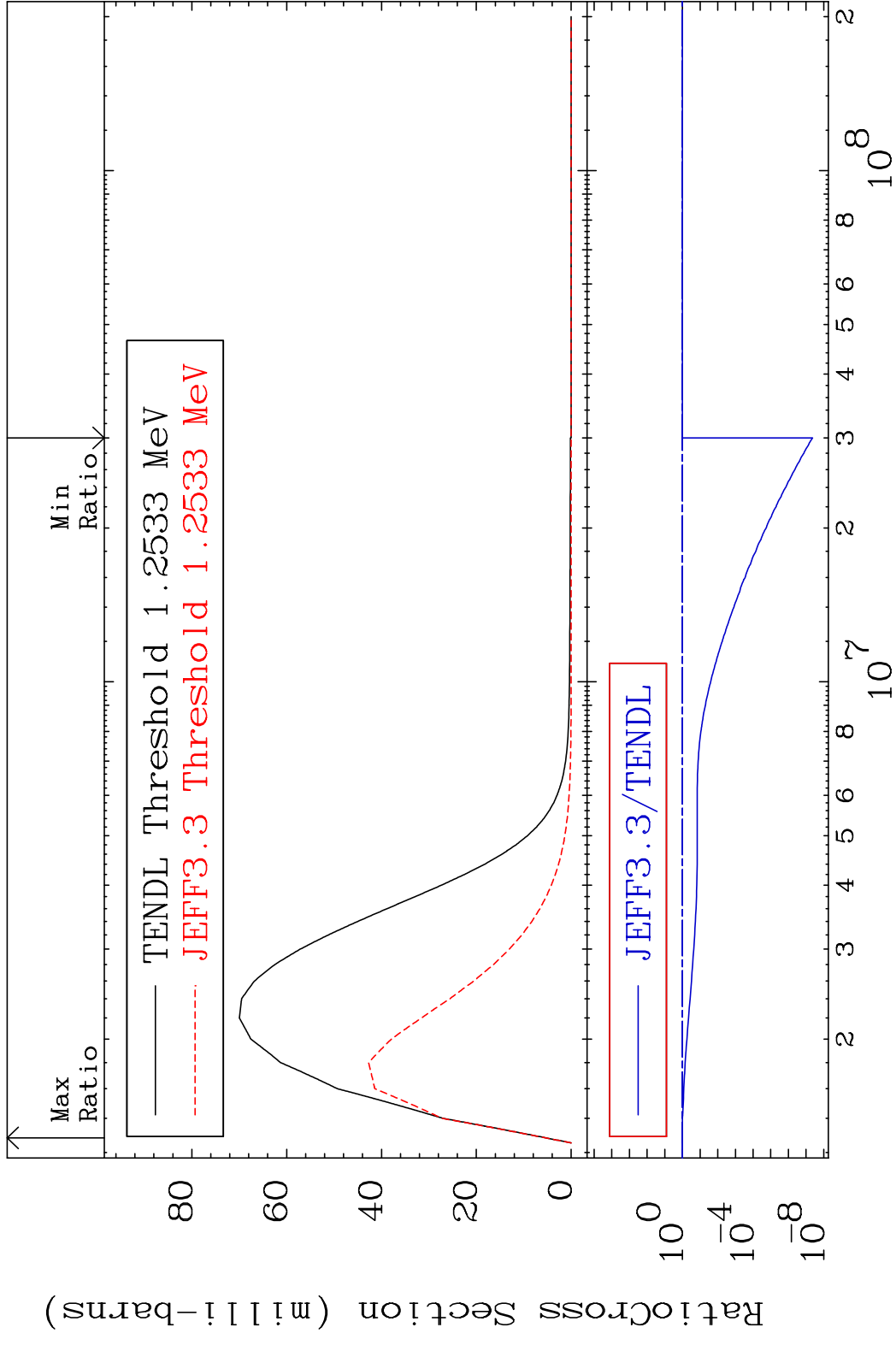


35

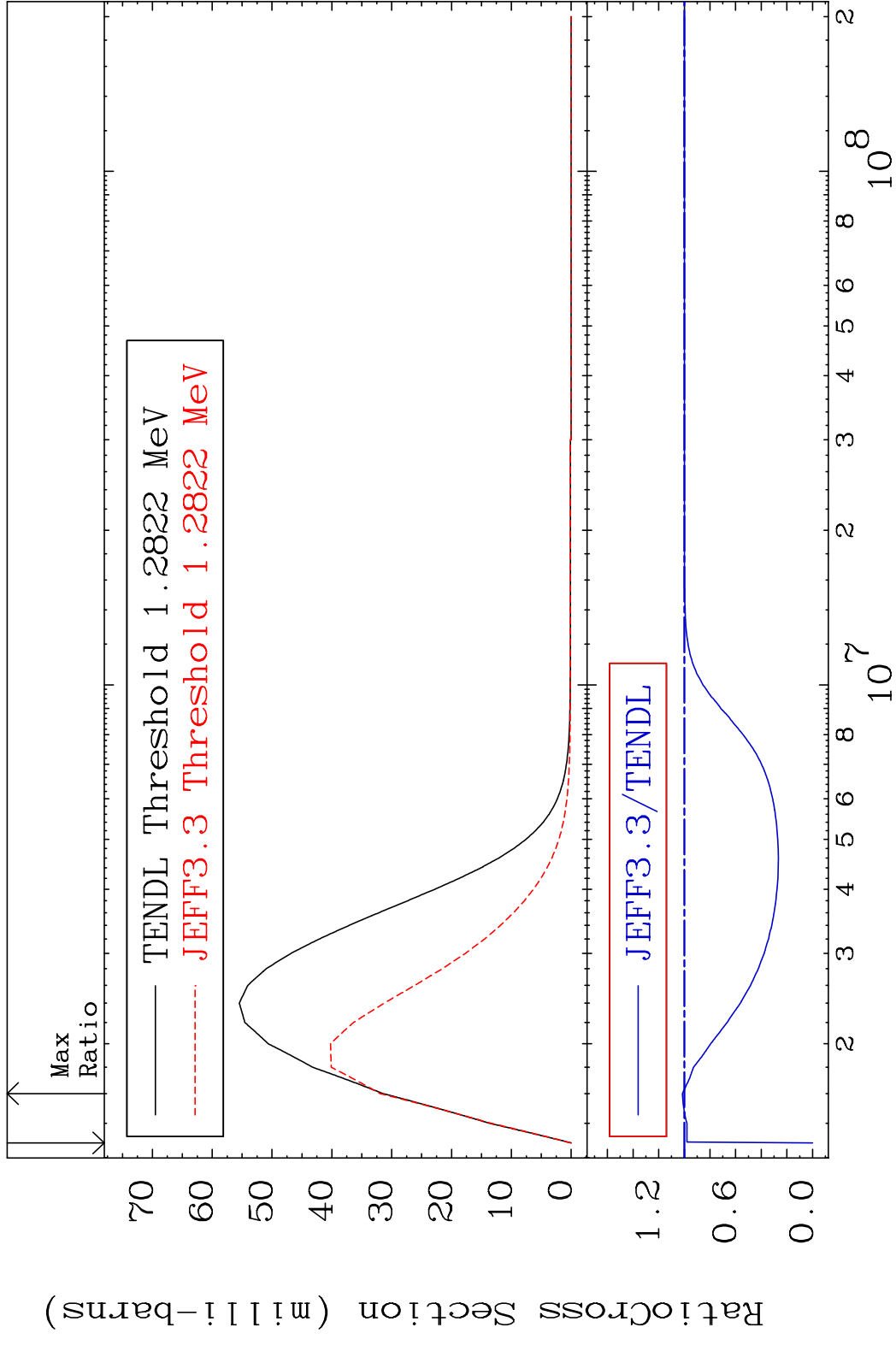
Incident Energy (eV)

35-Br-81

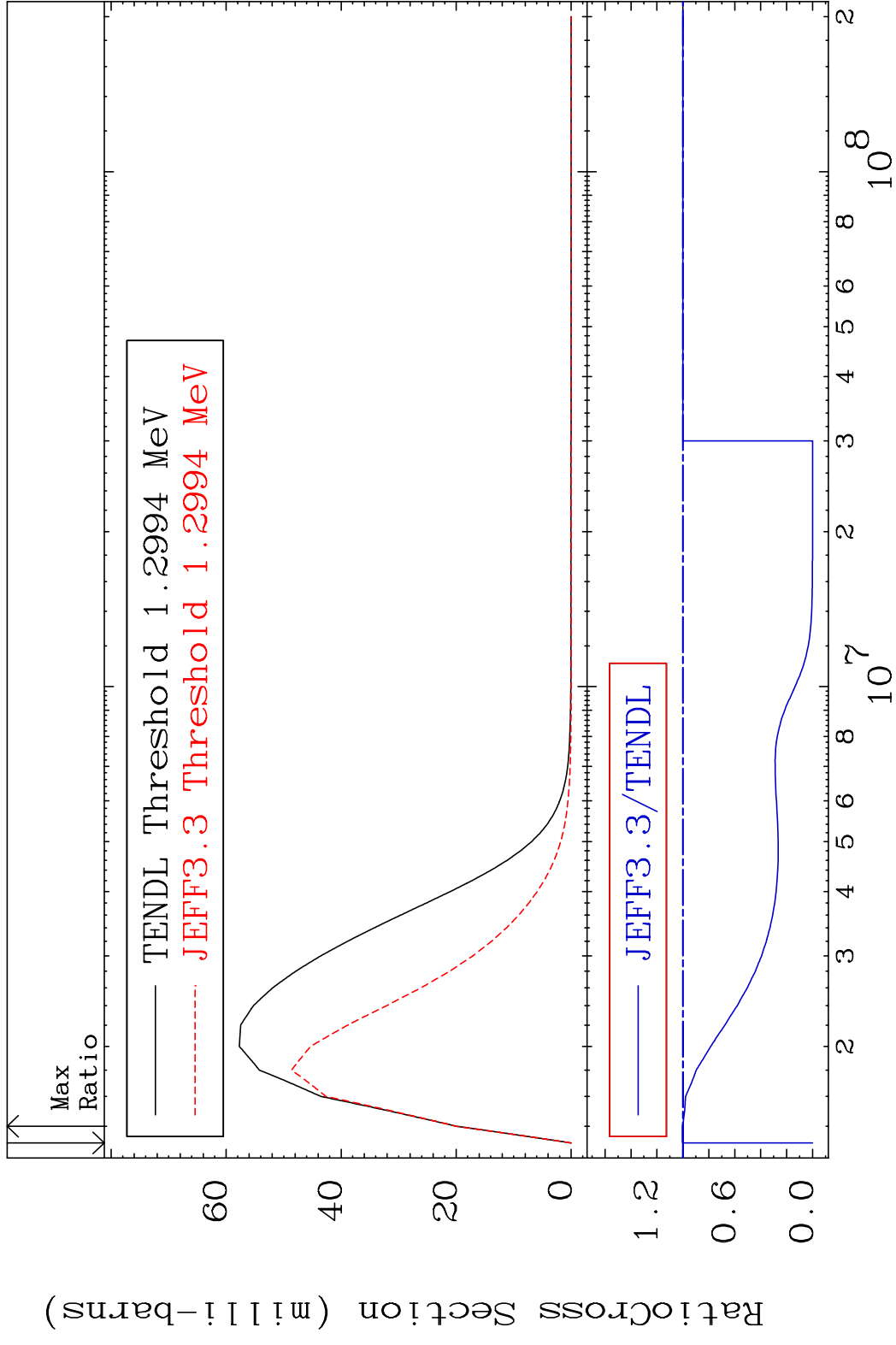
MAT 3531 MT= 68 (n, n') Level 35-Br-81  
 Cross Section -100.0 To 0.737 %



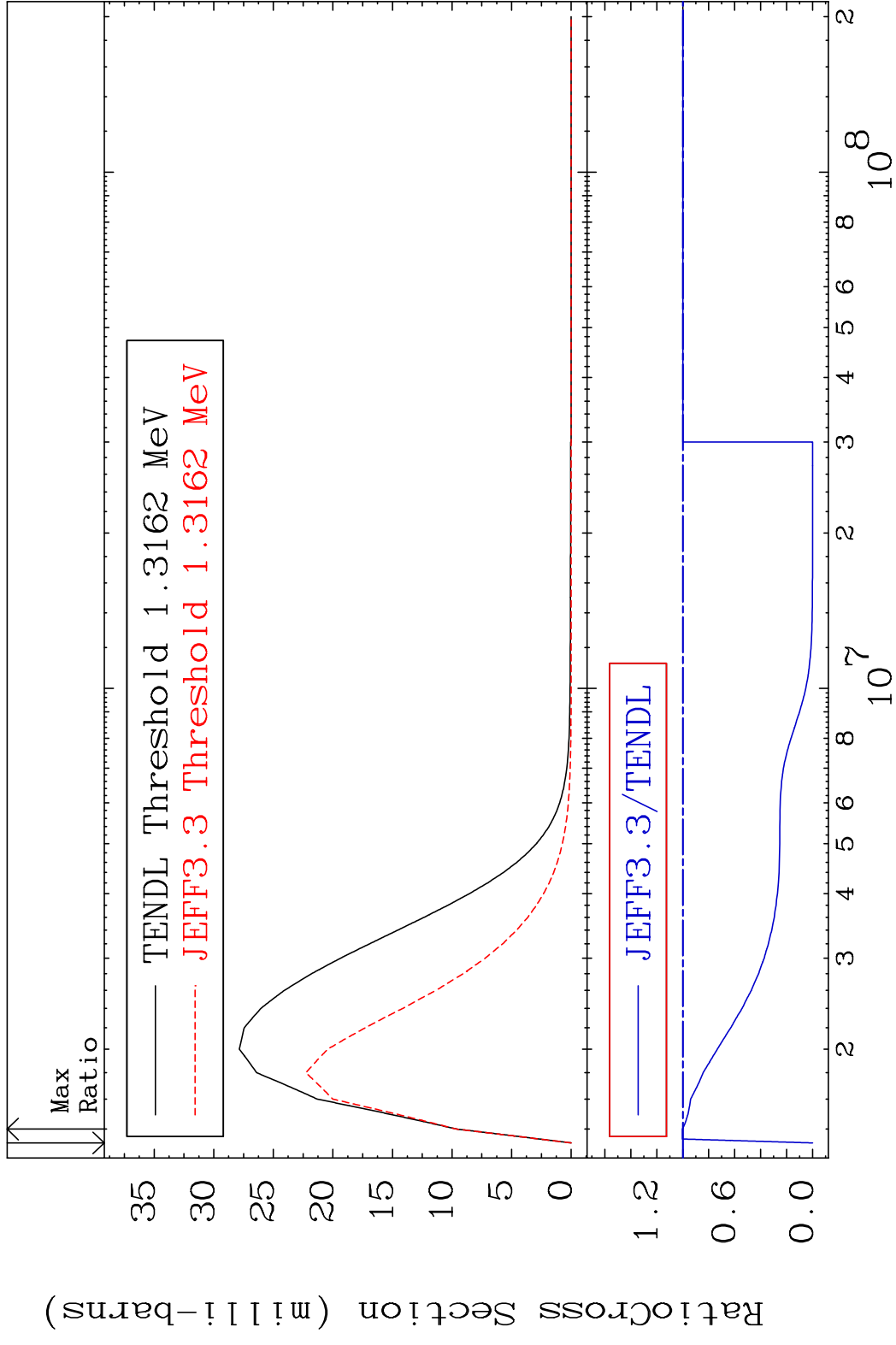
MAT 3531 MT= 69 (n, n') Level 35-Br-81  
 Cross Section -100.0 To 1.541 %



MAT 3531 MT= 70 (n, n') Level 35-Br-81  
 Cross Section -100.0 To 0.397 %



MAT 3531 MT= 71 (n, n') Level 35-Br-81  
 Cross Section -100.0 To 0.313 %

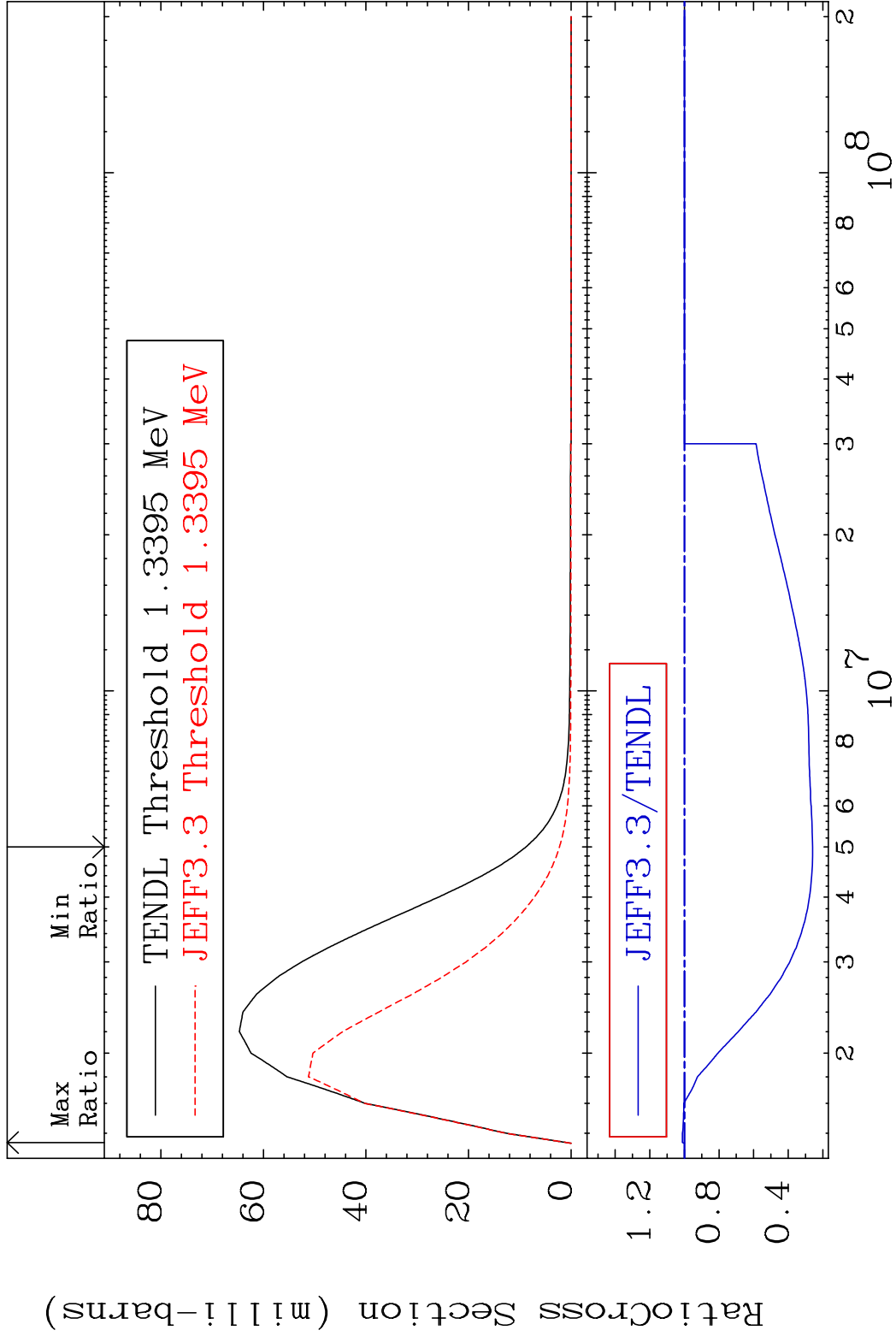


MAT 3531

MT= 72 (n,n') Level

35-Br-81

Cross Section -74.09 To 1.187 %

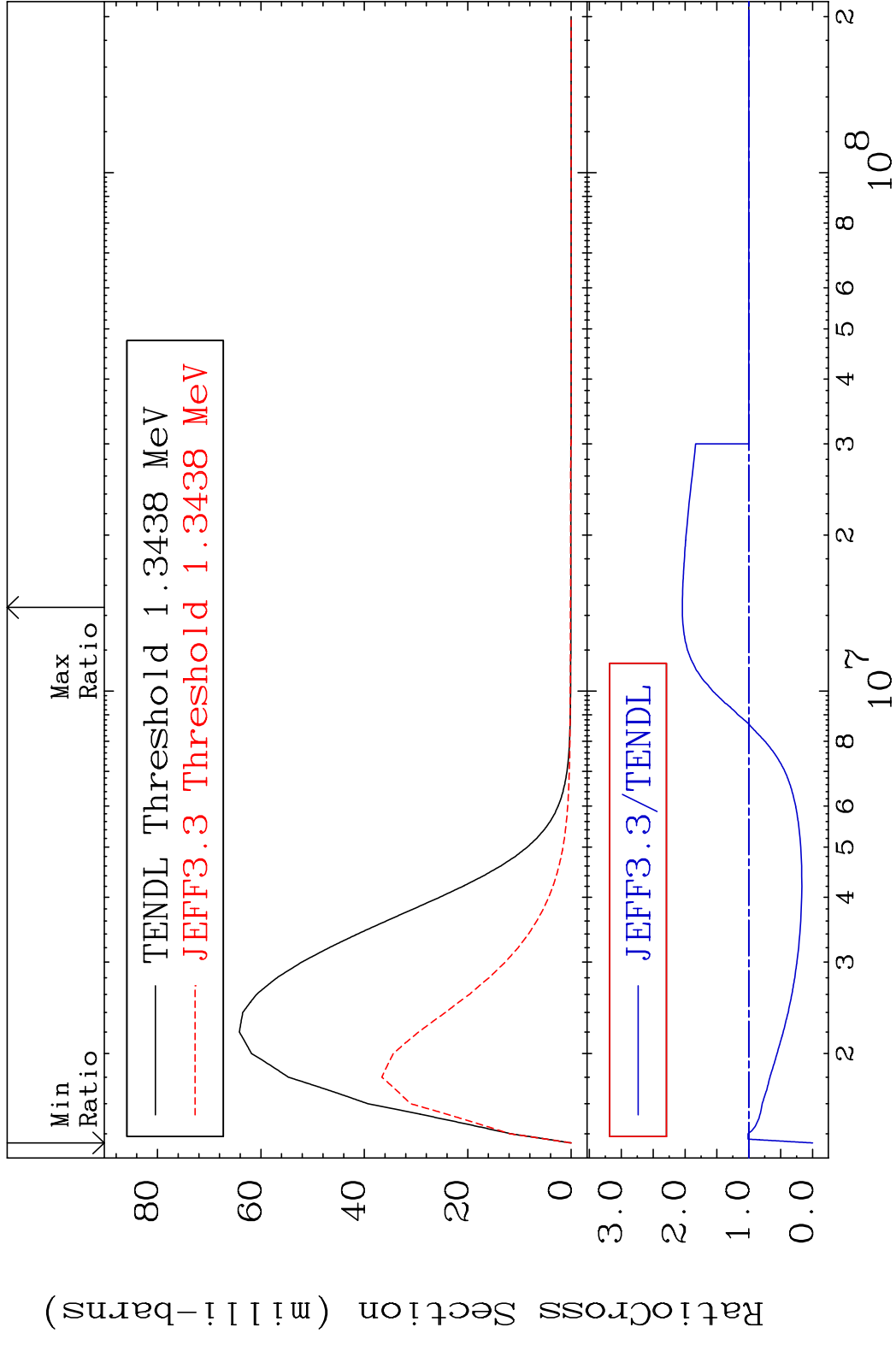


40

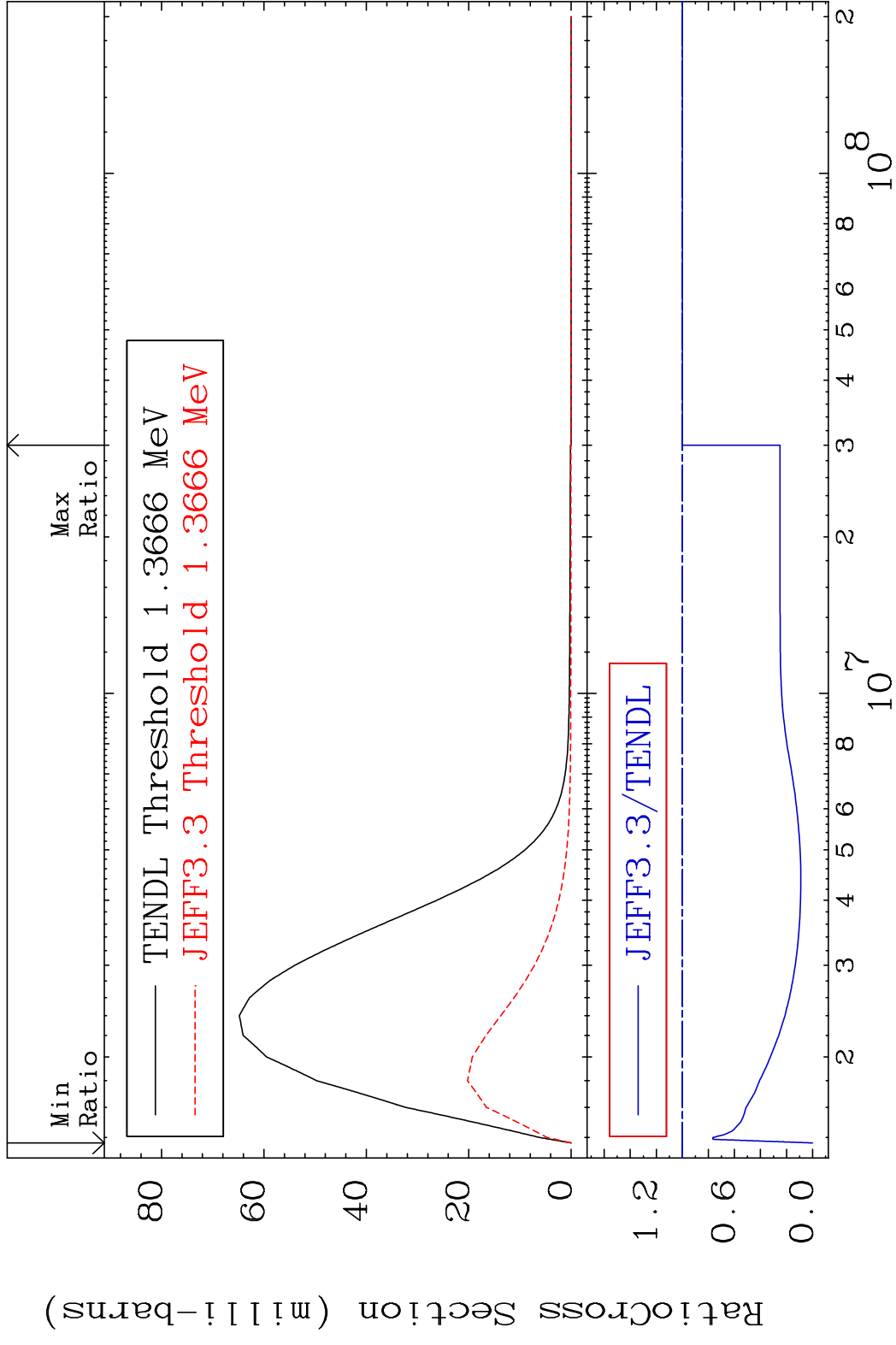
Incident Energy (eV)

35-Br-81

MAT 3531 MT= 73 (n, n') Level 35-Br-81  
 Cross Section -100.0 To 104.2 %

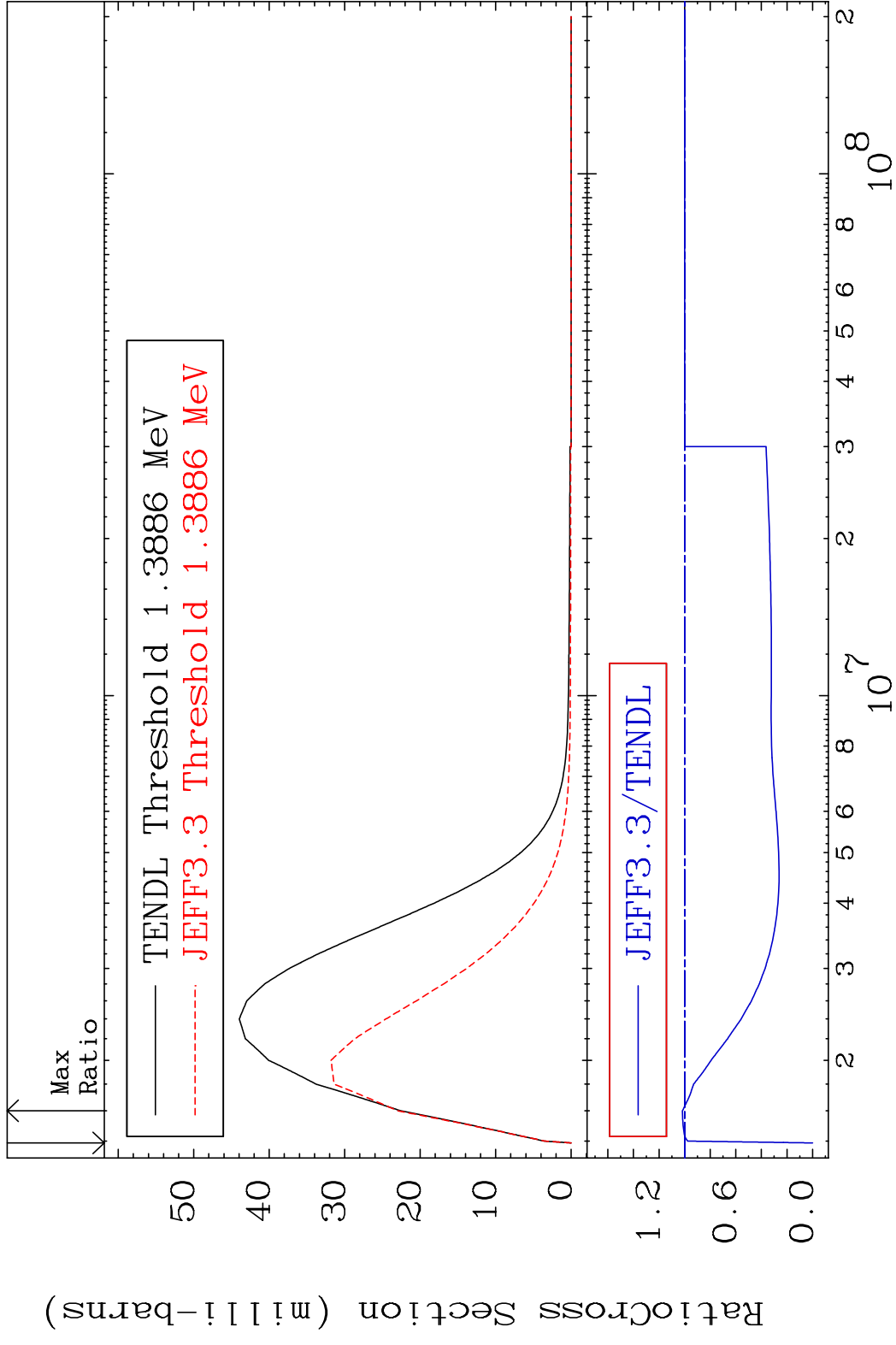


MAT 3531 MT= 74 (n,n') Level 35-Br-81  
 Cross Section -100.0 To 0.000 %

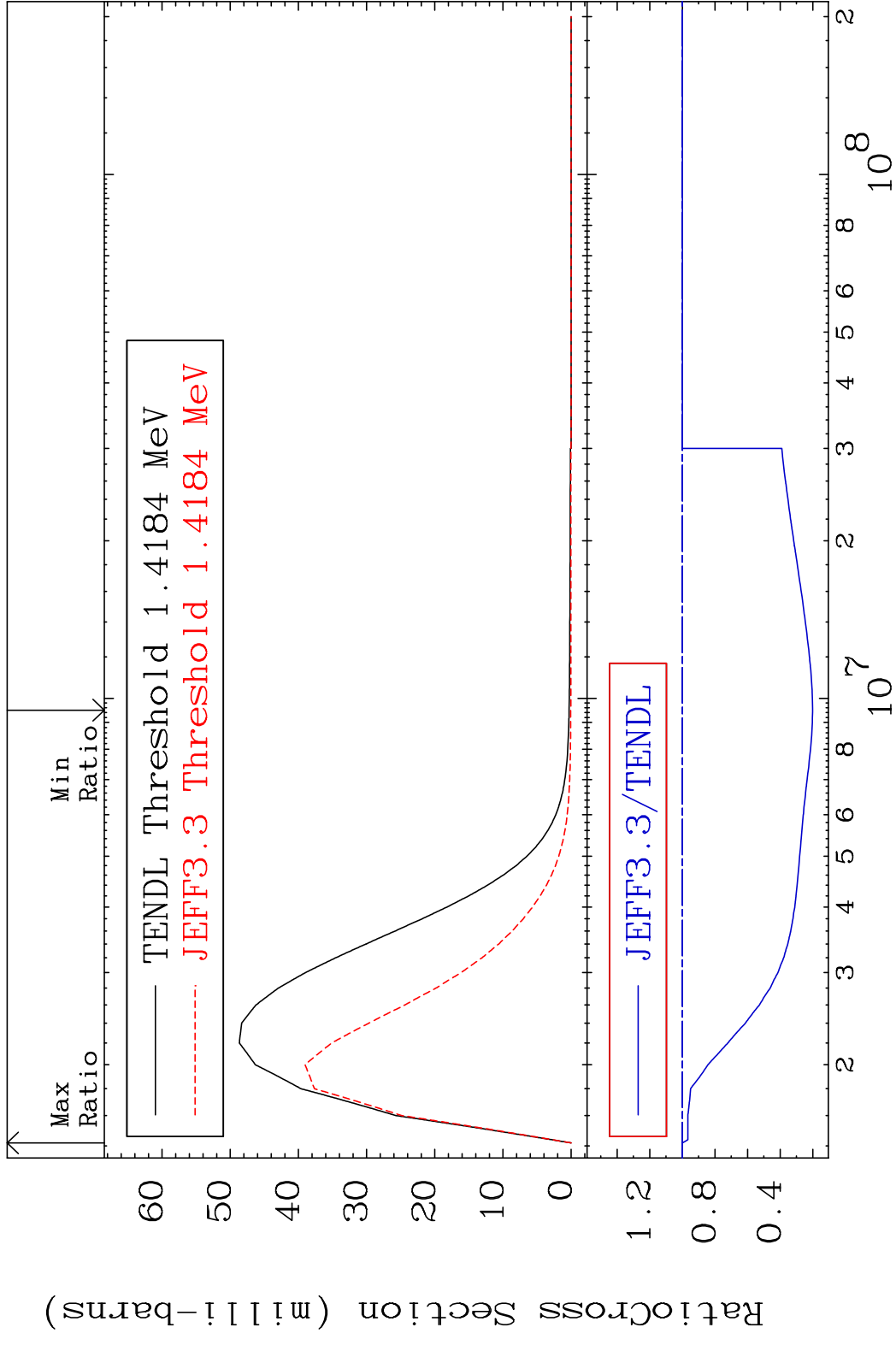


42 Incident Energy (eV) 35-Br-81

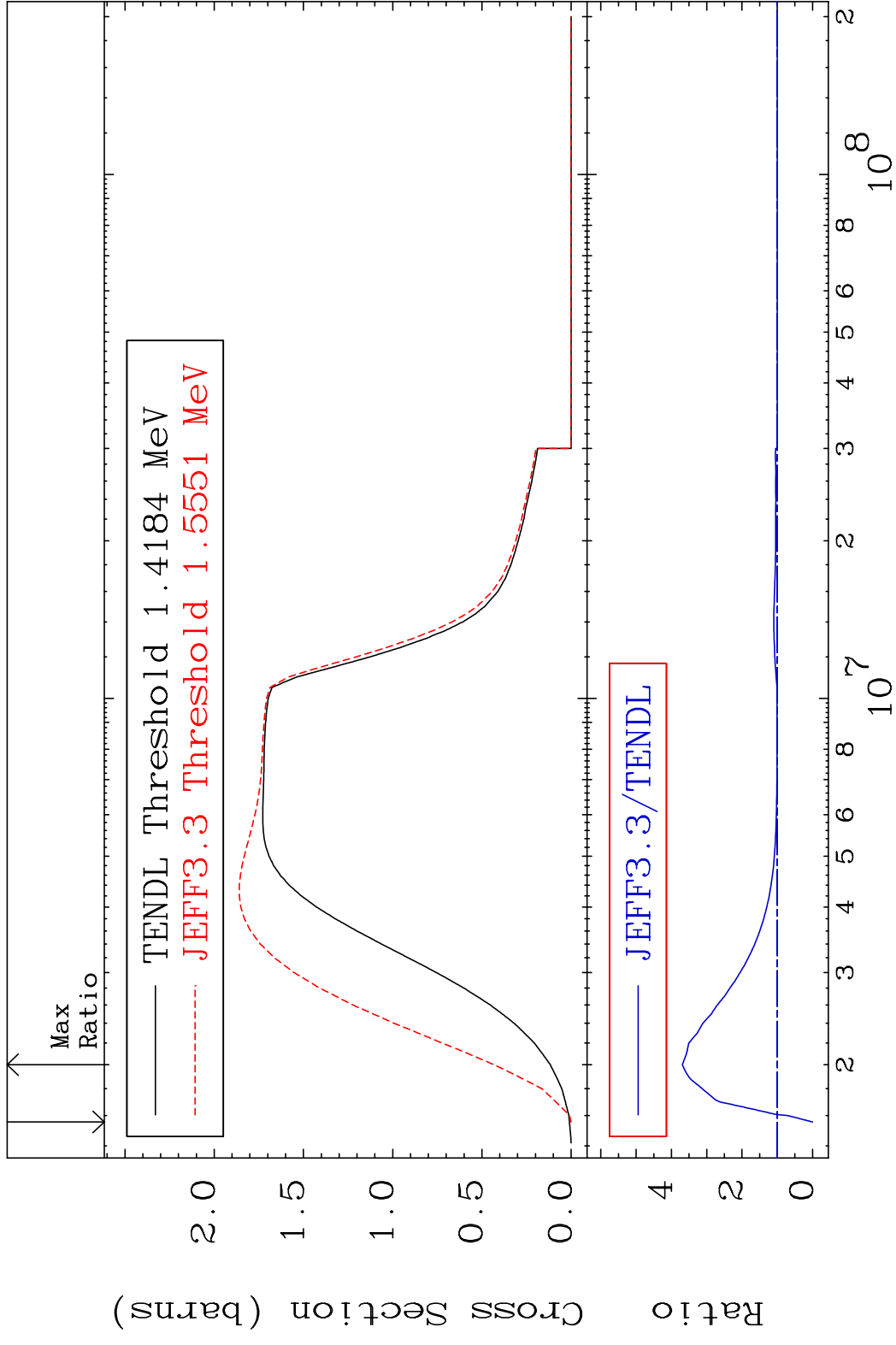
MAT 3531 MT= 75 (n,n') Level 35-Br-81  
 Cross Section -100.0 To 1.779 %



MAT 3531 MT= 76 (n,n') Level 35-Br-81  
 Cross Section -79.83 To 0.000 %



MAT 3531 (n, n') Continuum 35-Br-81  
 Cross Section -100.0 To 269.0 %

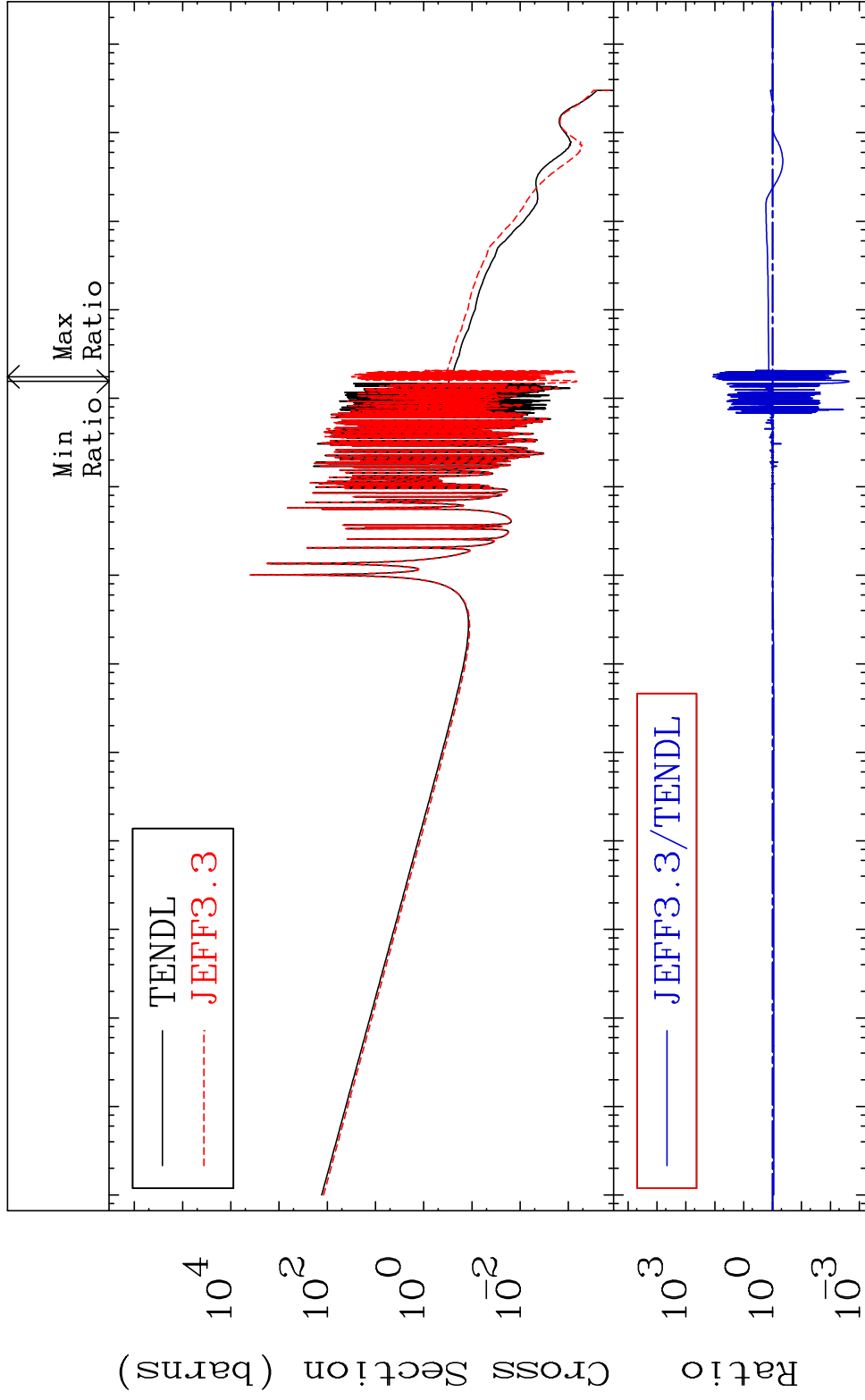


MAT 3531

(n,  $\gamma$ )

35-Br-81

Cross Section -99.78 To 9999. %



46

Incident Energy (eV)

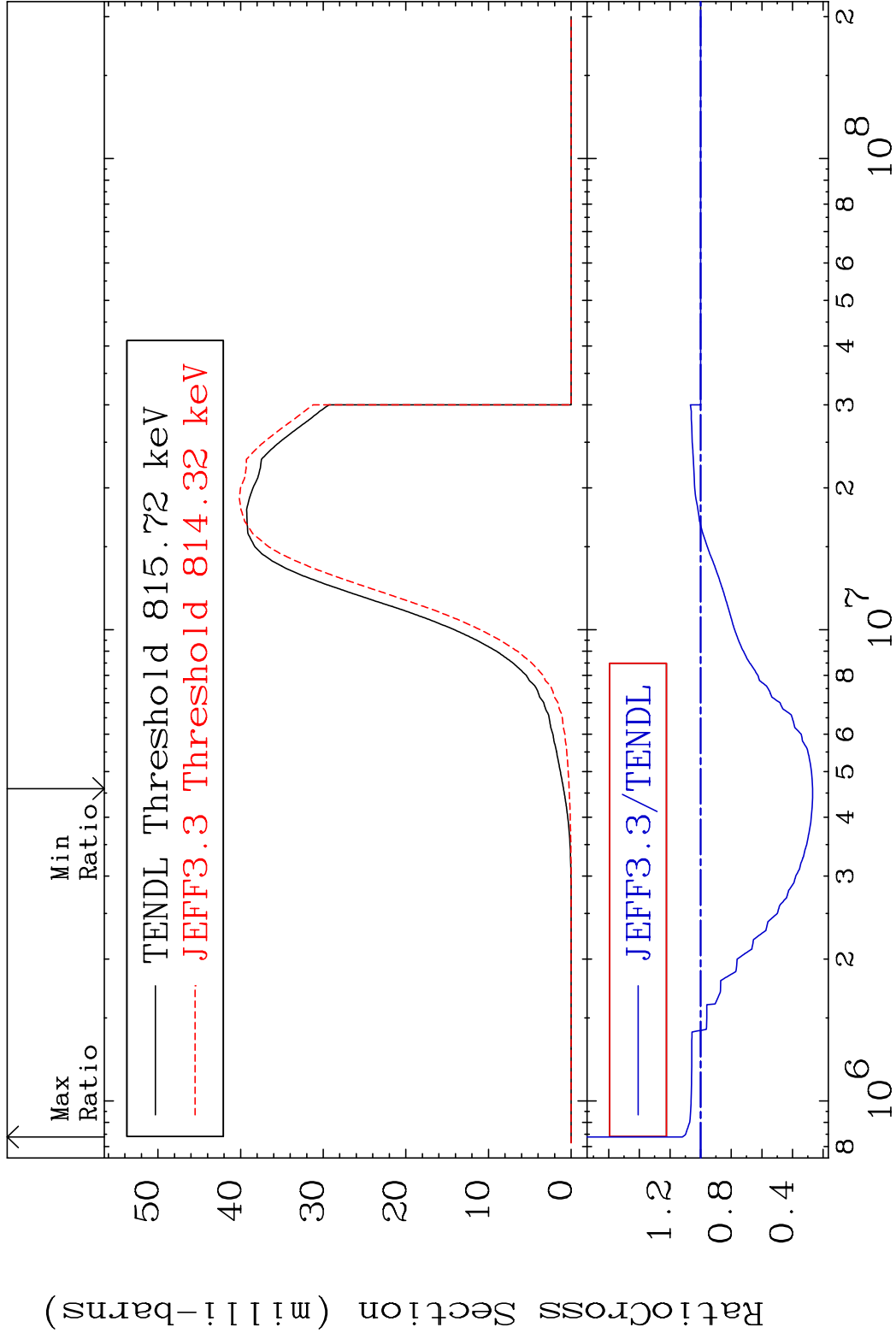
35-Br-81

MAT 3531

(n, p)

35-Br-81

Cross Section -73.06 To 11.92 %



47

Incident Energy (eV)

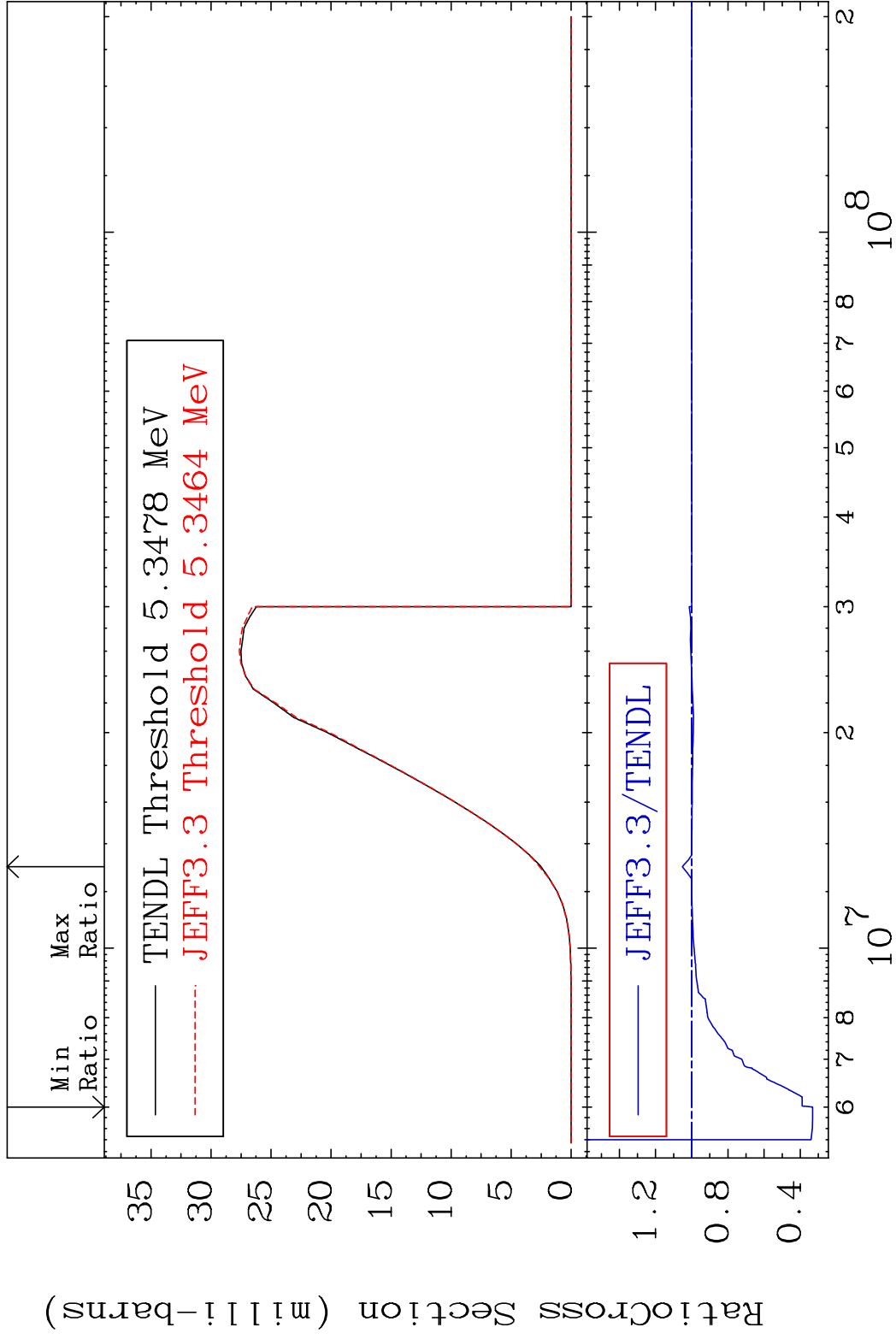
35-Br-81

MAT 3531

(n, d)

35-Br-81

Cross Section -66.80 To 5.193 %



48

Incident Energy (eV)

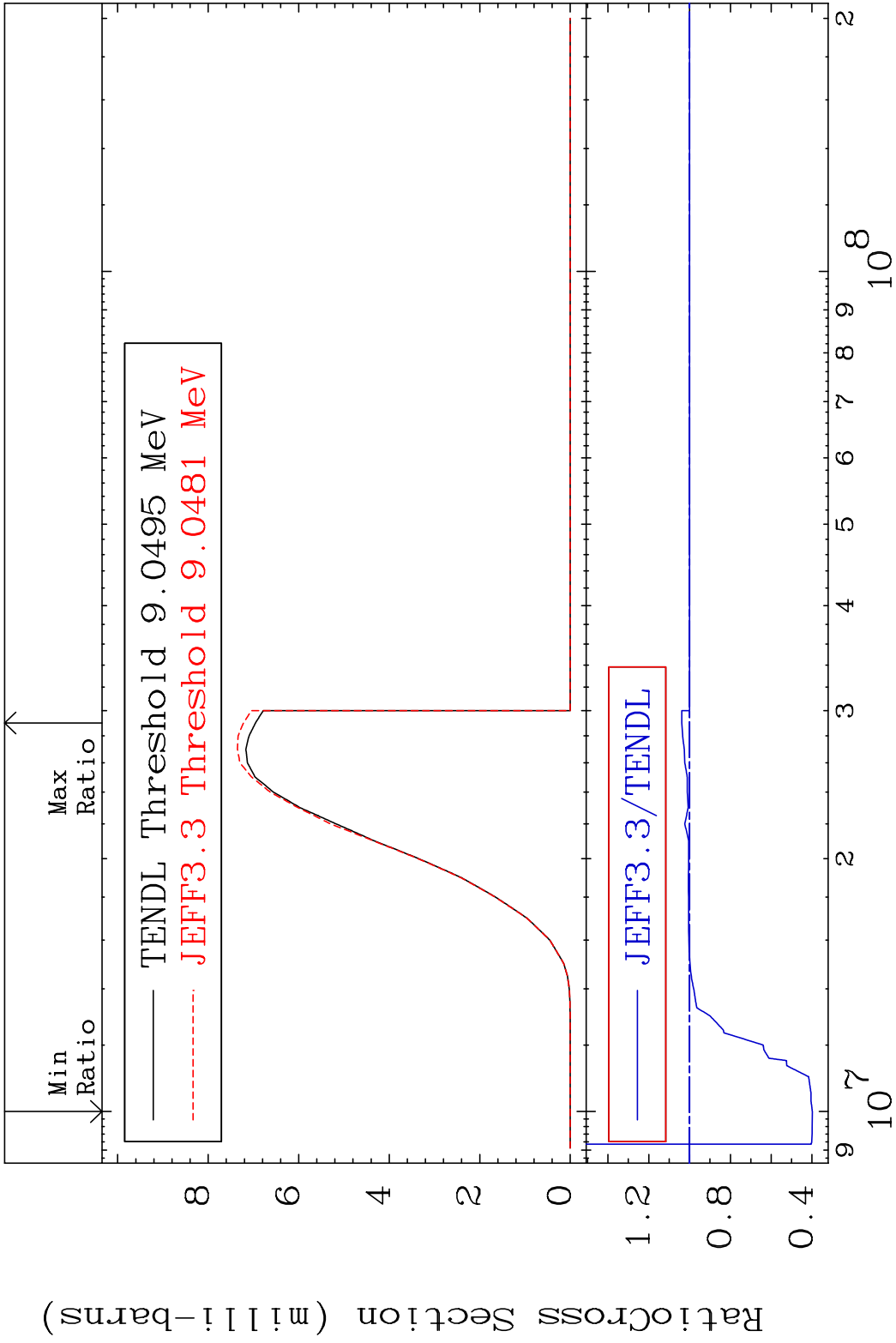
35-Br-81

MAT 3531

(n, t)

35-Br-81

Cross Section -60.15 To 3.830 %



49

Incident Energy (eV)

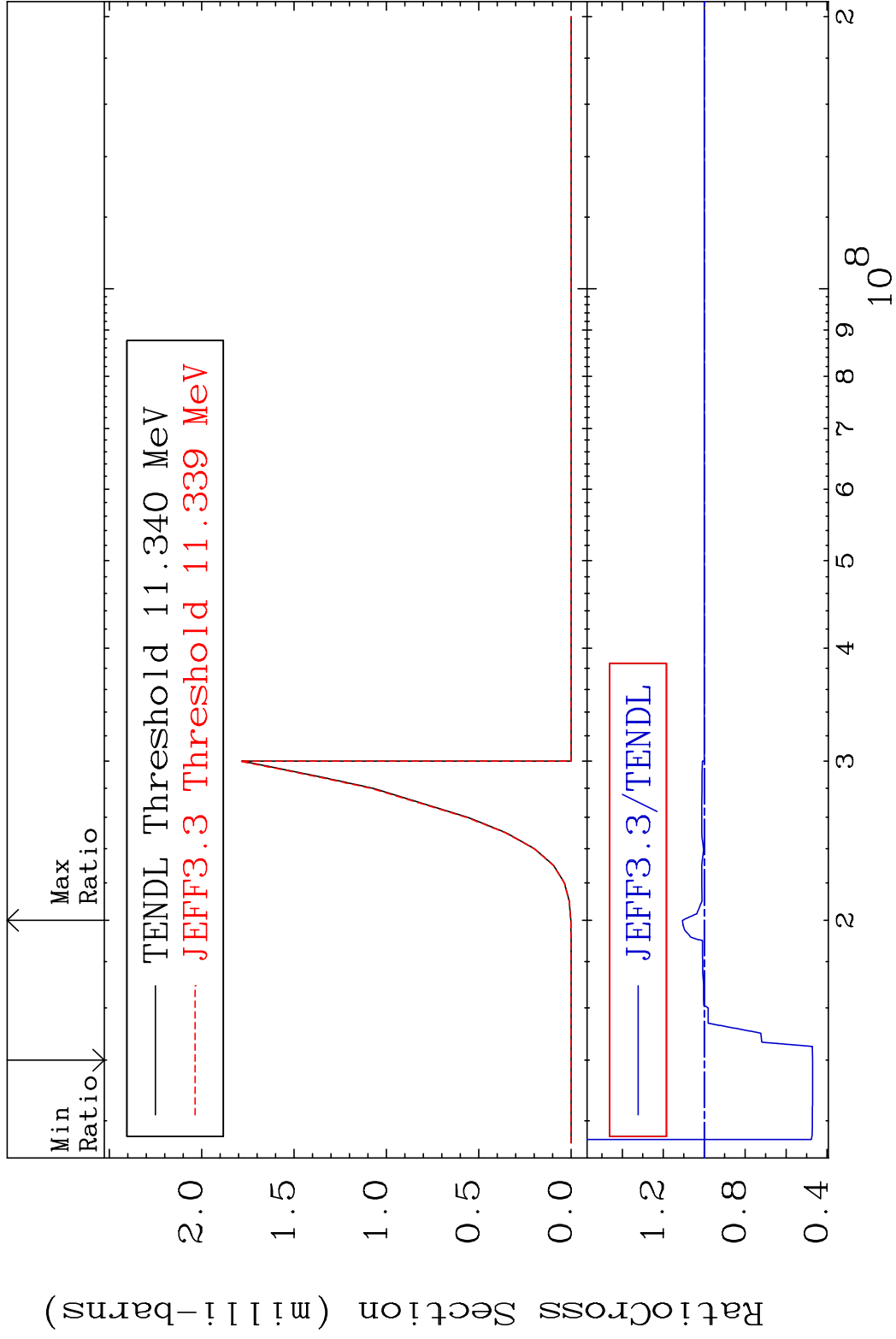
35-Br-81

MAT 3531

(n, He-3)

35-Br-81

Cross Section -52.93 To 10.68 %



50

Incident Energy (eV)

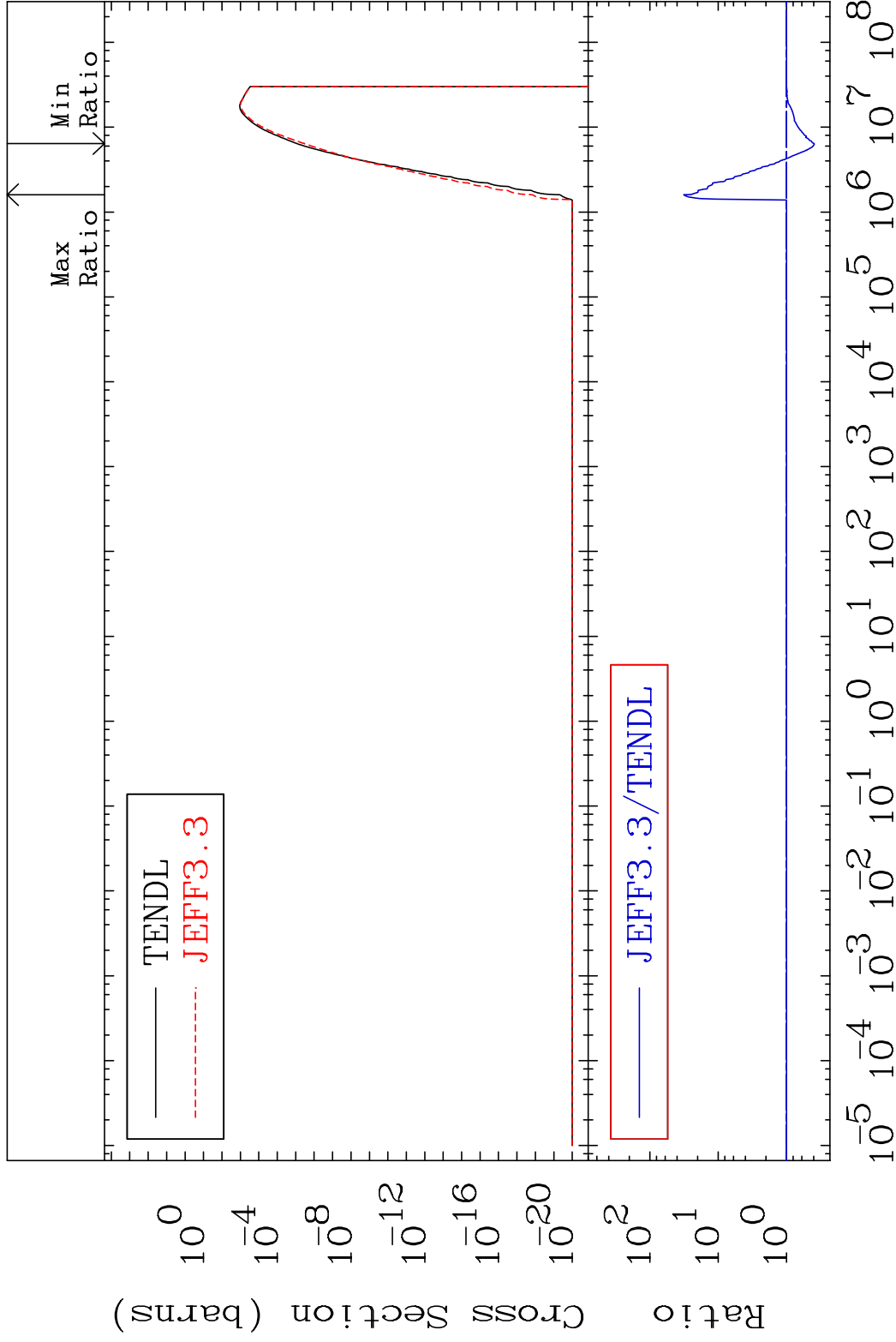
35-Br-81

MAT 3531

(n,  $\alpha$ )

35-Br-81

Cross Section -60.40 To 3113. %



51

Incident Energy (eV)

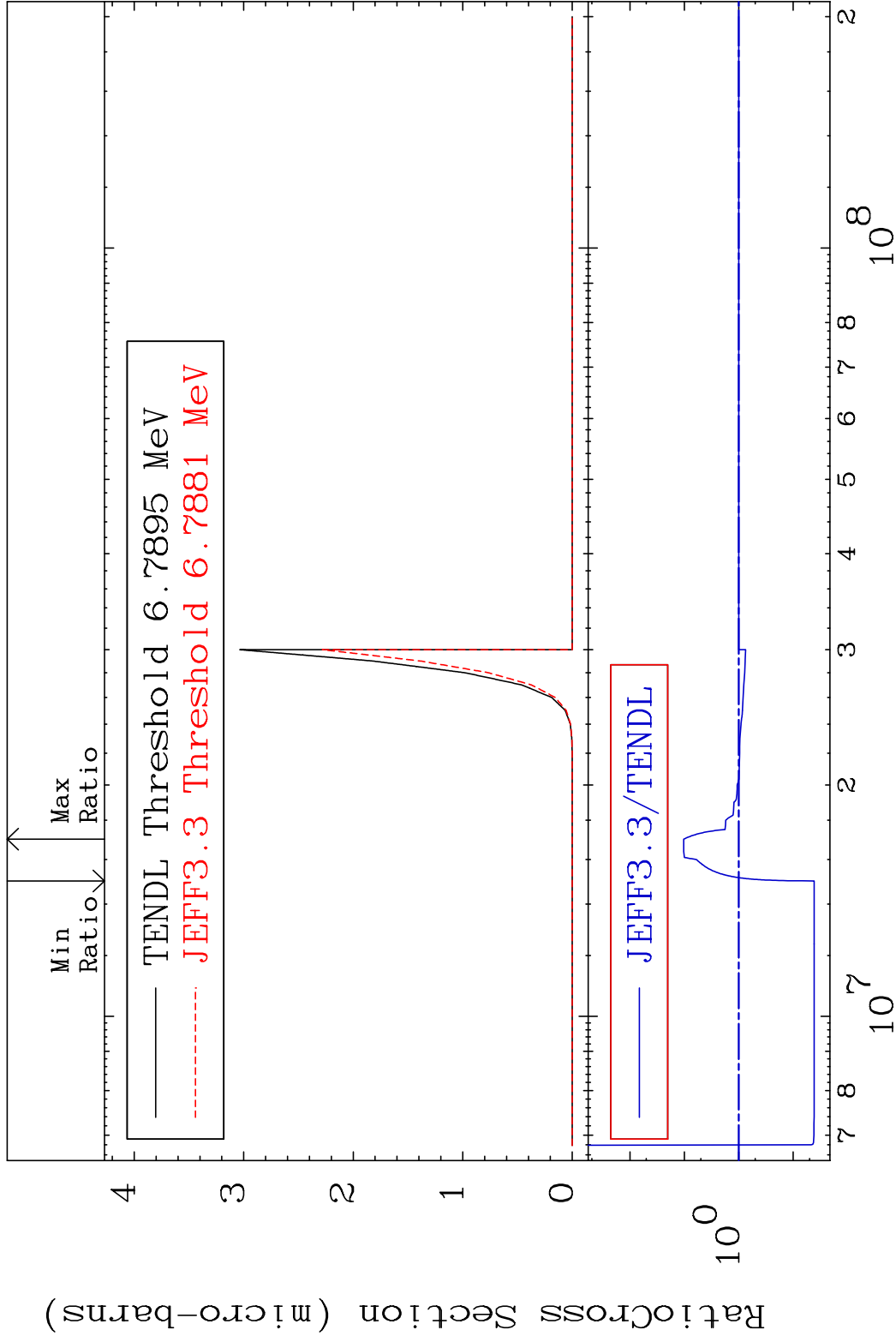
35-Br-81

MAT 3531

(n,2α)

35-Br-81

Cross Section -95.87 To 930.7 %

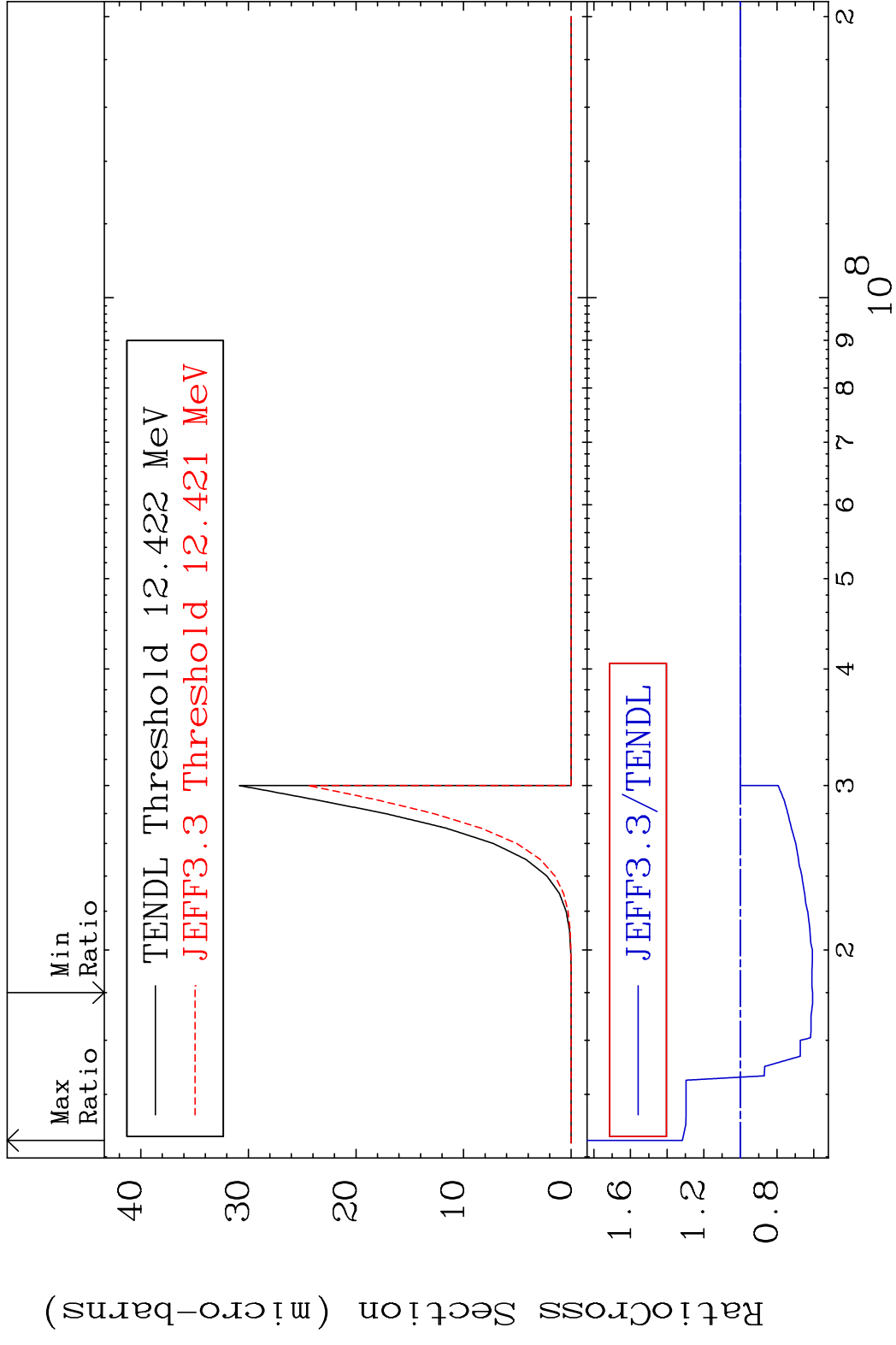


52

Incident Energy (eV)

35-Br-81

MAT 3531 (n,2p) 35-Br-81  
 Cross Section -39.41 To 31.68 %

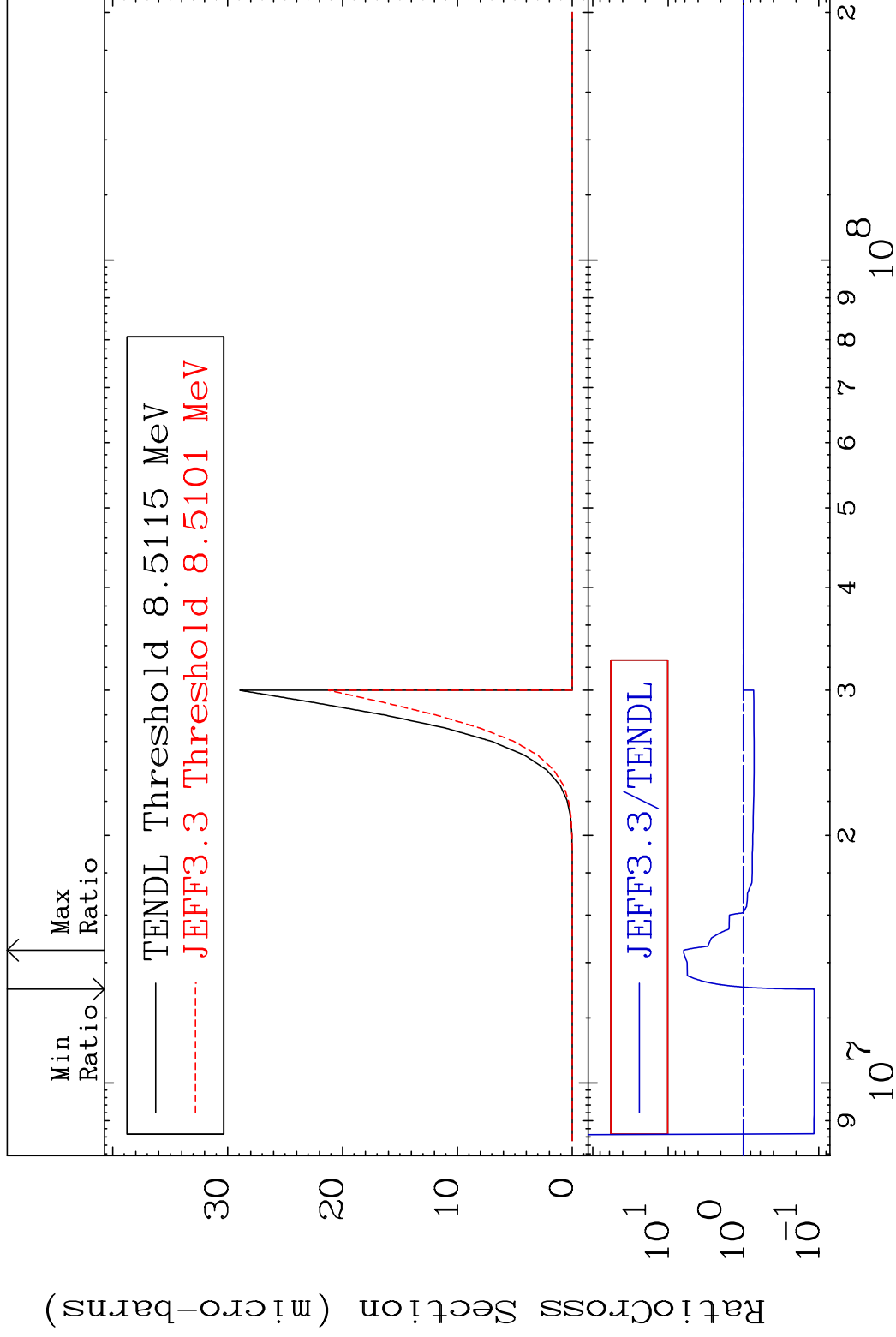


MAT 3531

(n,p)  $\alpha$

35-Br-81

Cross Section -88.47 To 521.1 %

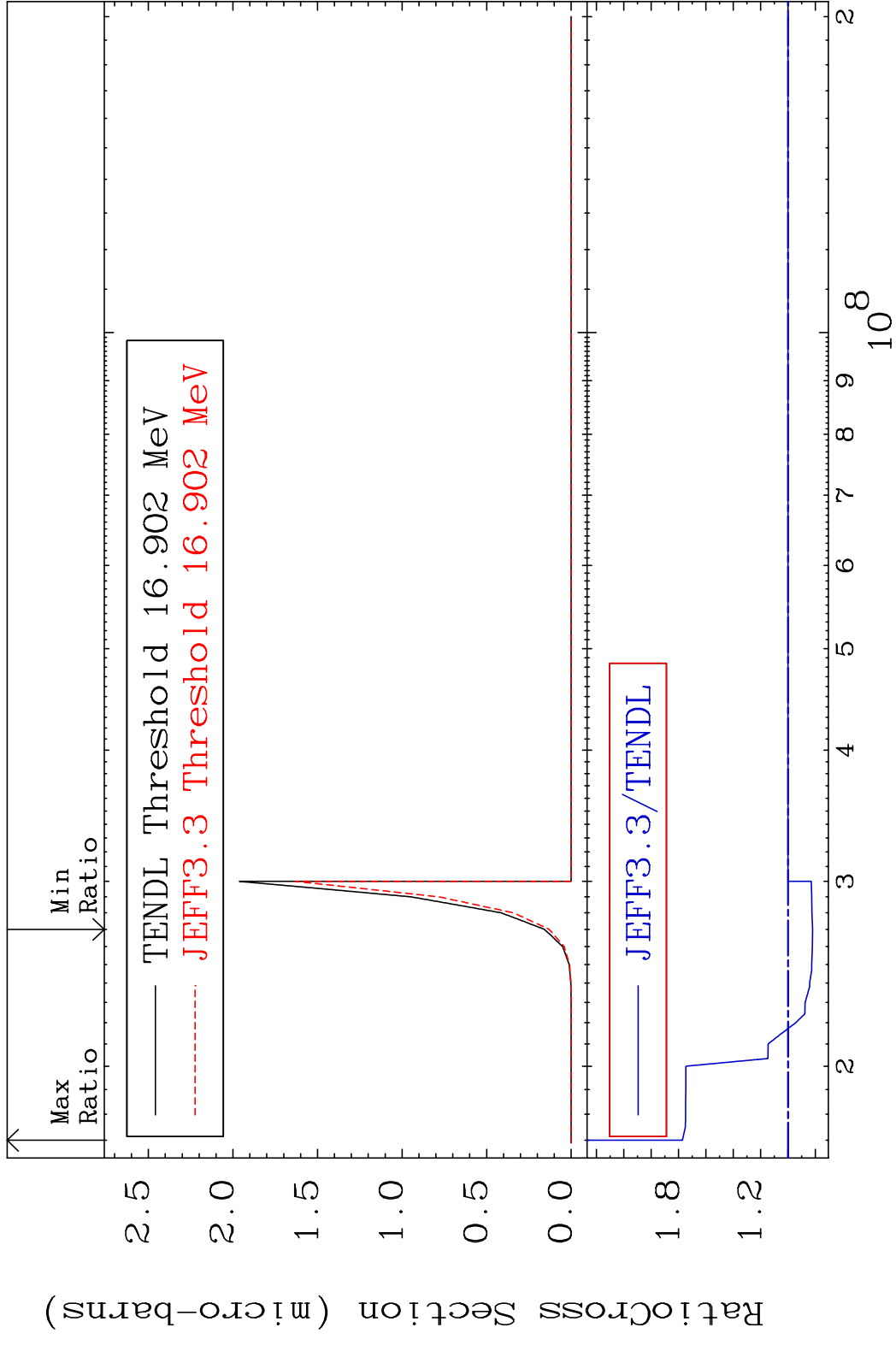


54

Incident Energy (eV)

35-Br-81

MAT 3531 (n,p) d 35-Br-81  
 Cross Section -17.90 To 77.20 %

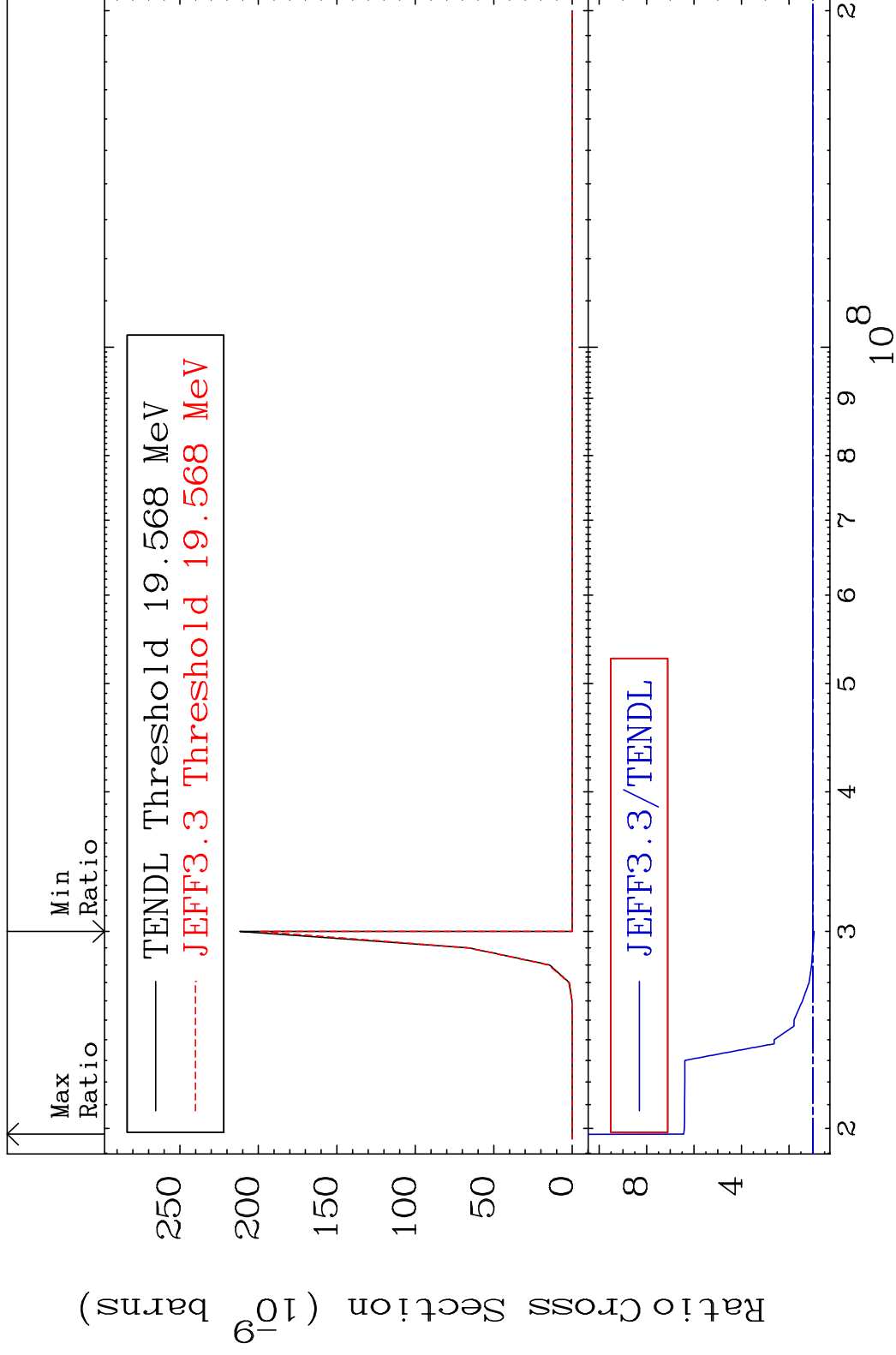


MAT 3531

(n,p) t

35-Br-81

Cross Section -5.668 To 543.8 %



56

Incident Energy (eV)

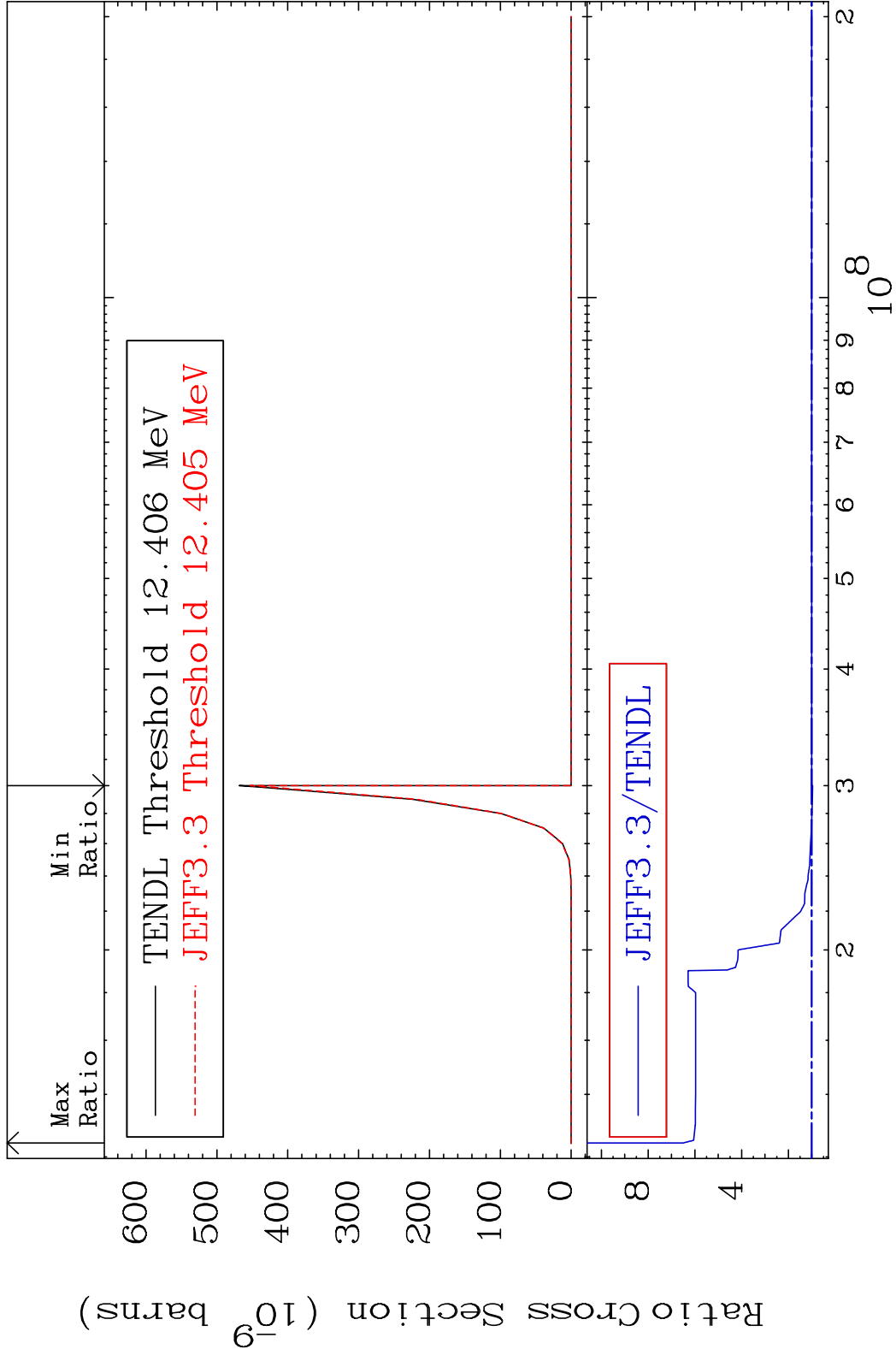
35-Br-81

MAT 3531

(n, d)  $\alpha$

35-Br-81

Cross Section -3.370 To 553.6 %



57

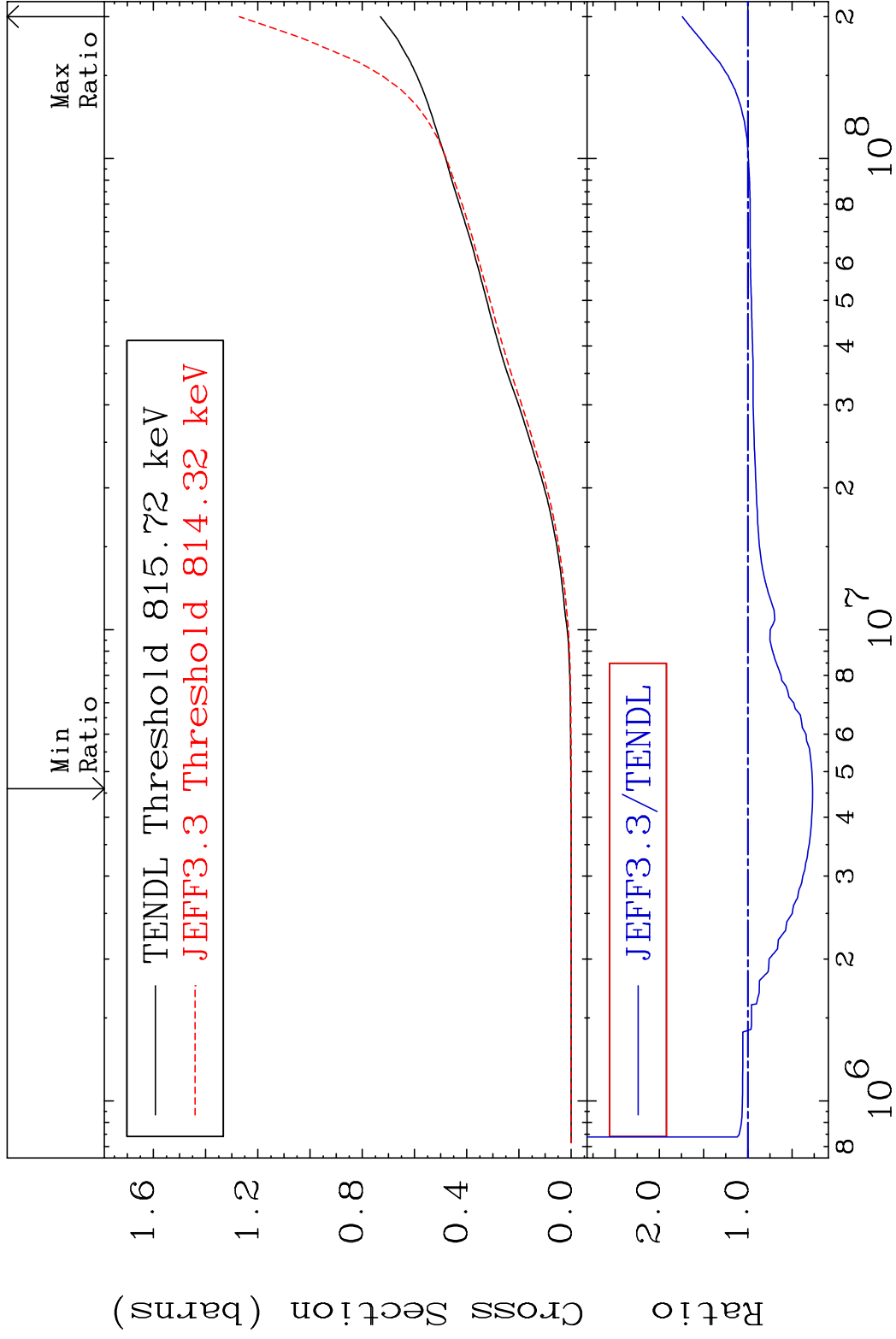
Incident Energy (eV)

35-Br-81

MAT 3531

Hydrogen Production 35-Br-81

Cross Section -73.06 To 74.07 %



58

Incident Energy (eV)

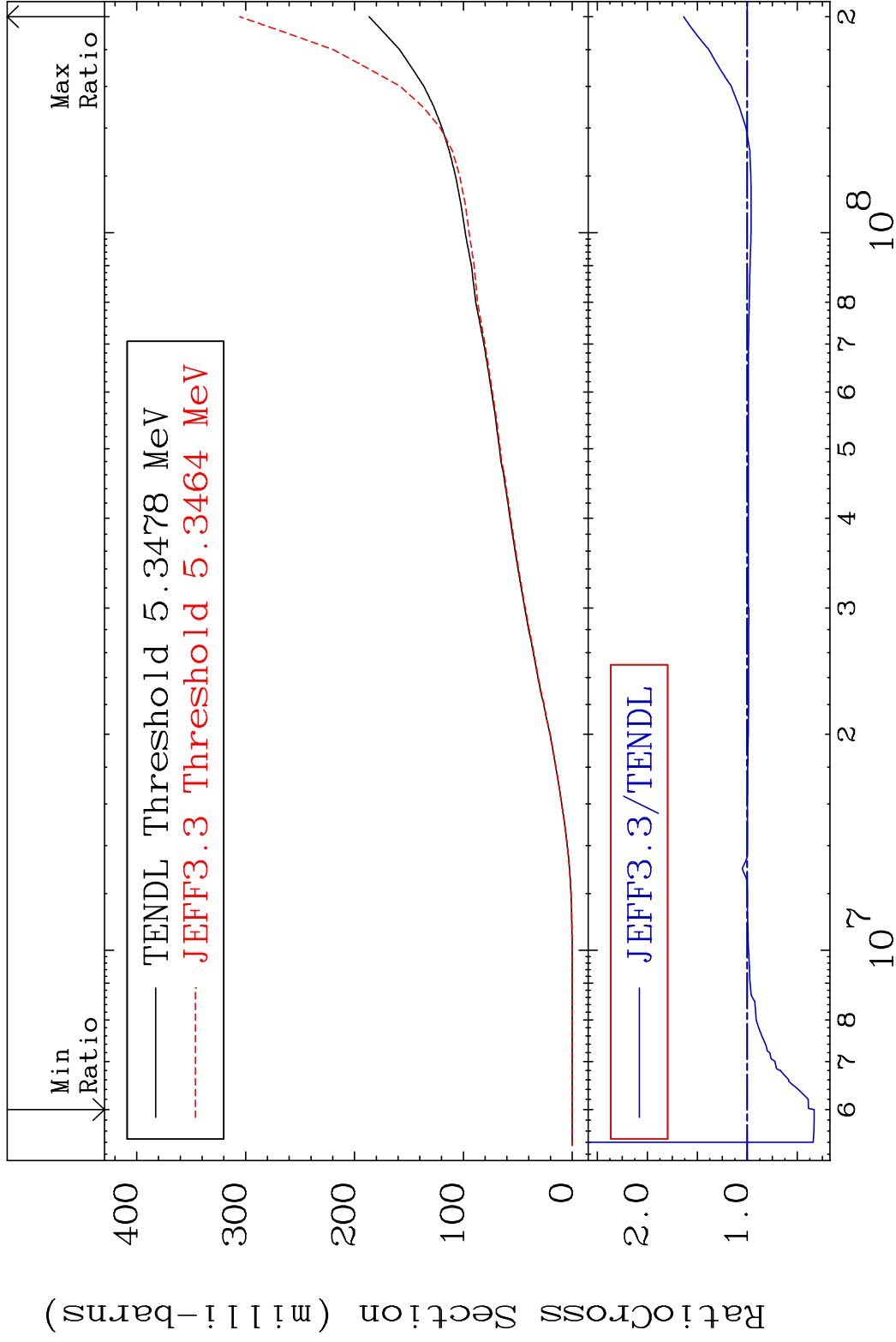
35-Br-81

MAT 3531

Deuterium Production

<sup>35</sup>Br-81

Cross Section -66.80 To 63.66 %

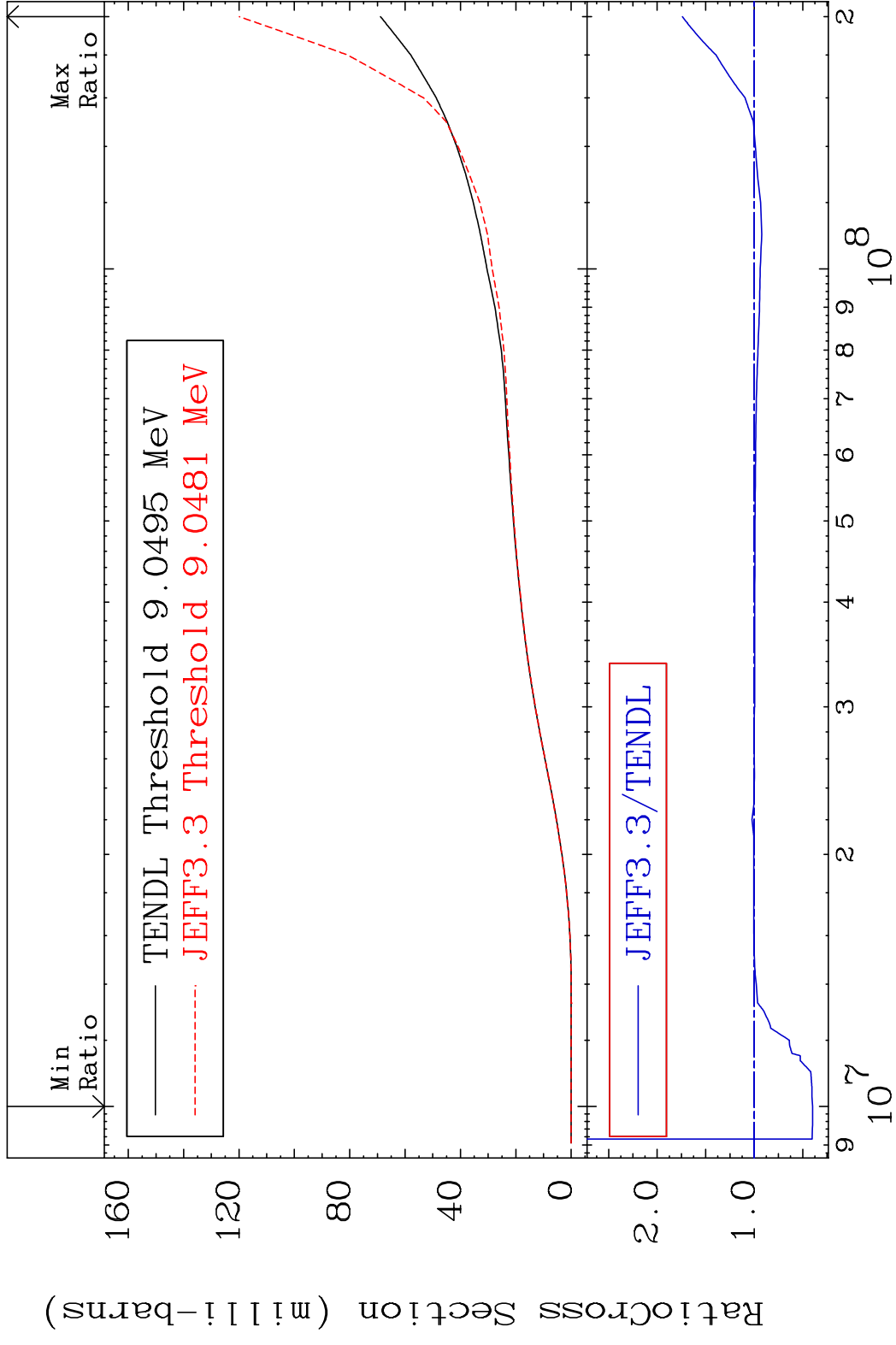


59

Incident Energy (eV)

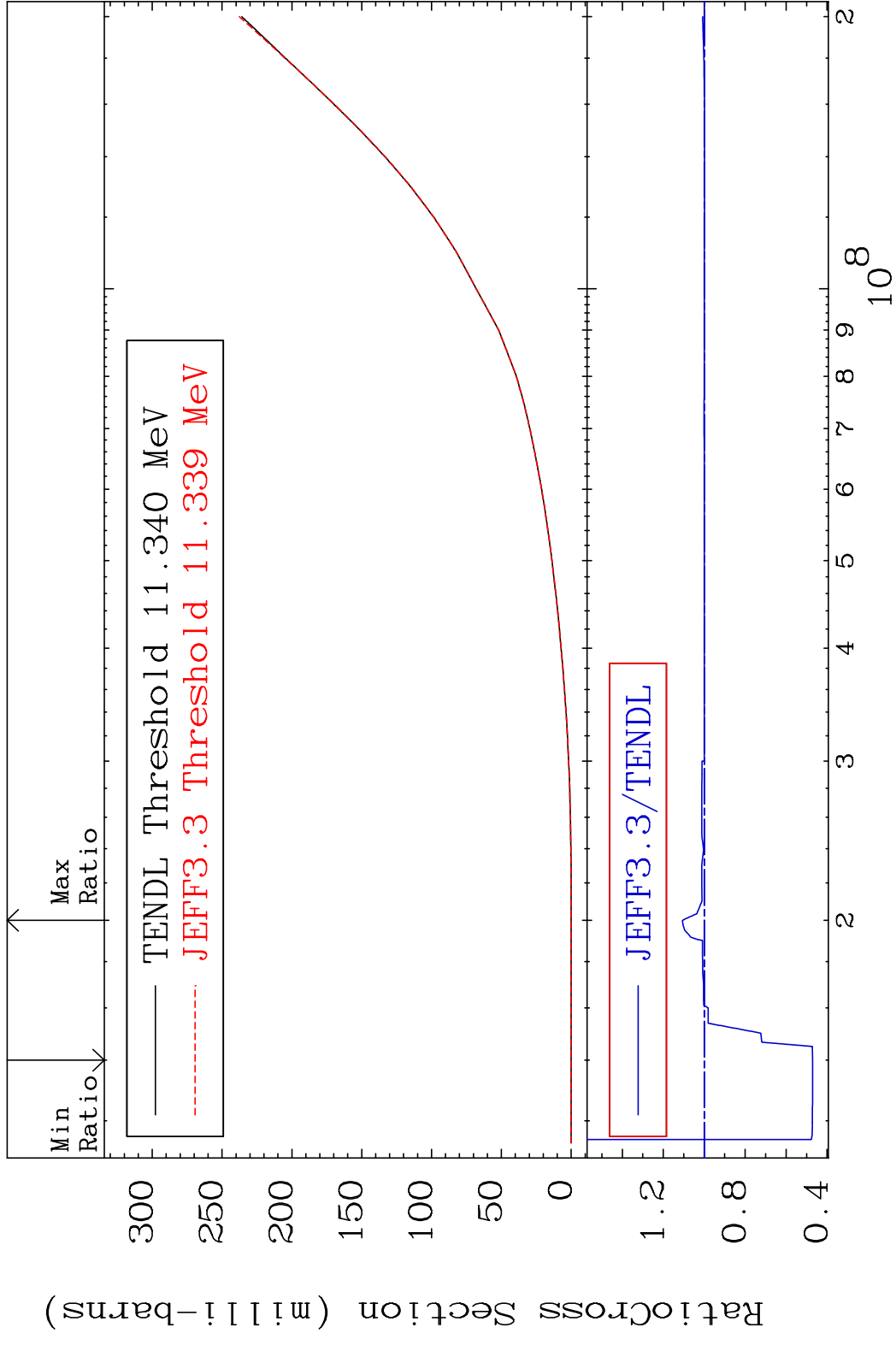
<sup>35</sup>Br-81

MAT 3531 Tritium Production 35-Br-81  
 Cross Section -60.15 To 74.06 %



60 35-Br-81

MAT 3531 He-3 Production 35-Br-81  
 Cross Section -52.93 To 10.68 %

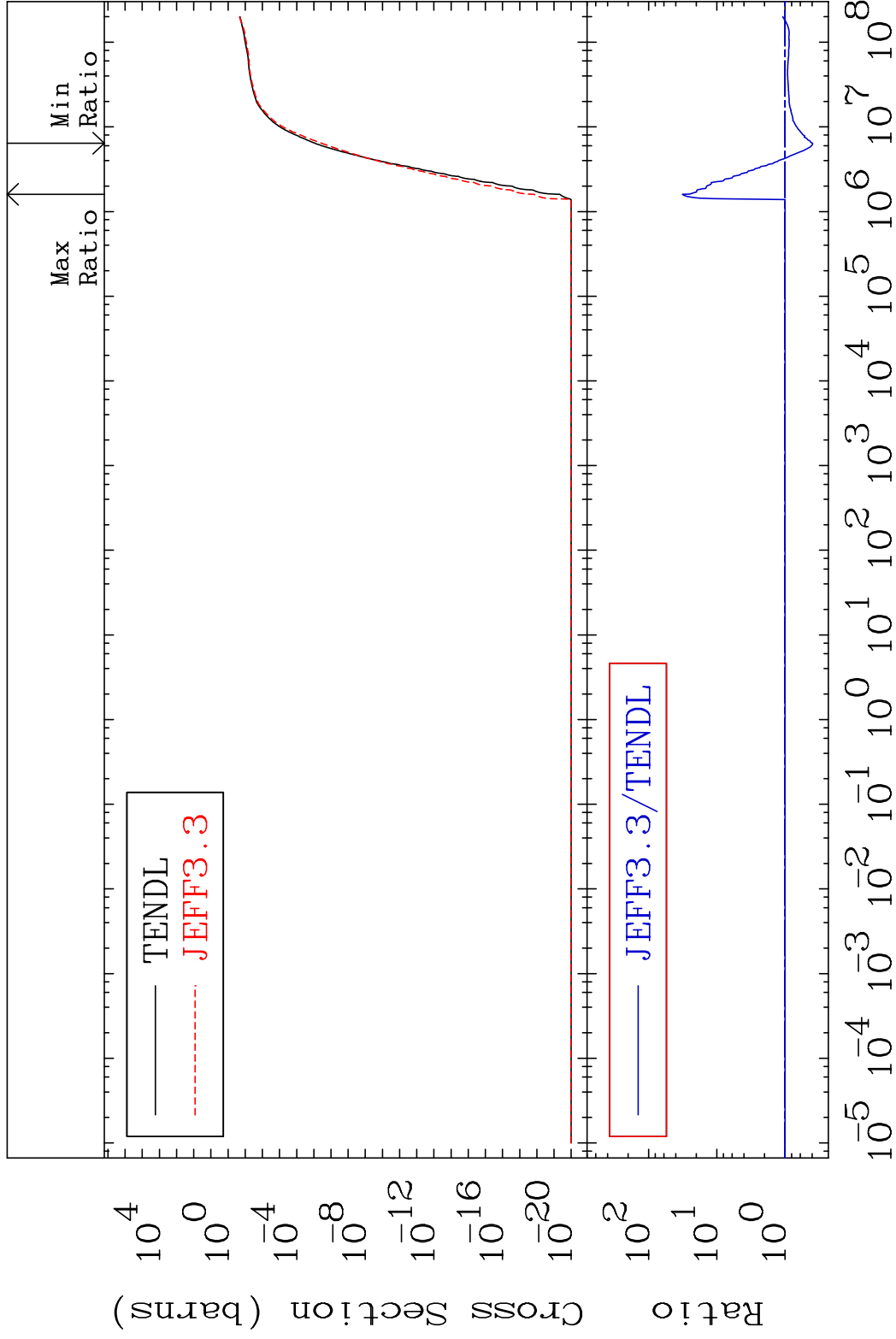


MAT 3531

He-4 Production

35-Br-81

Cross Section -60.40 To 3113. %

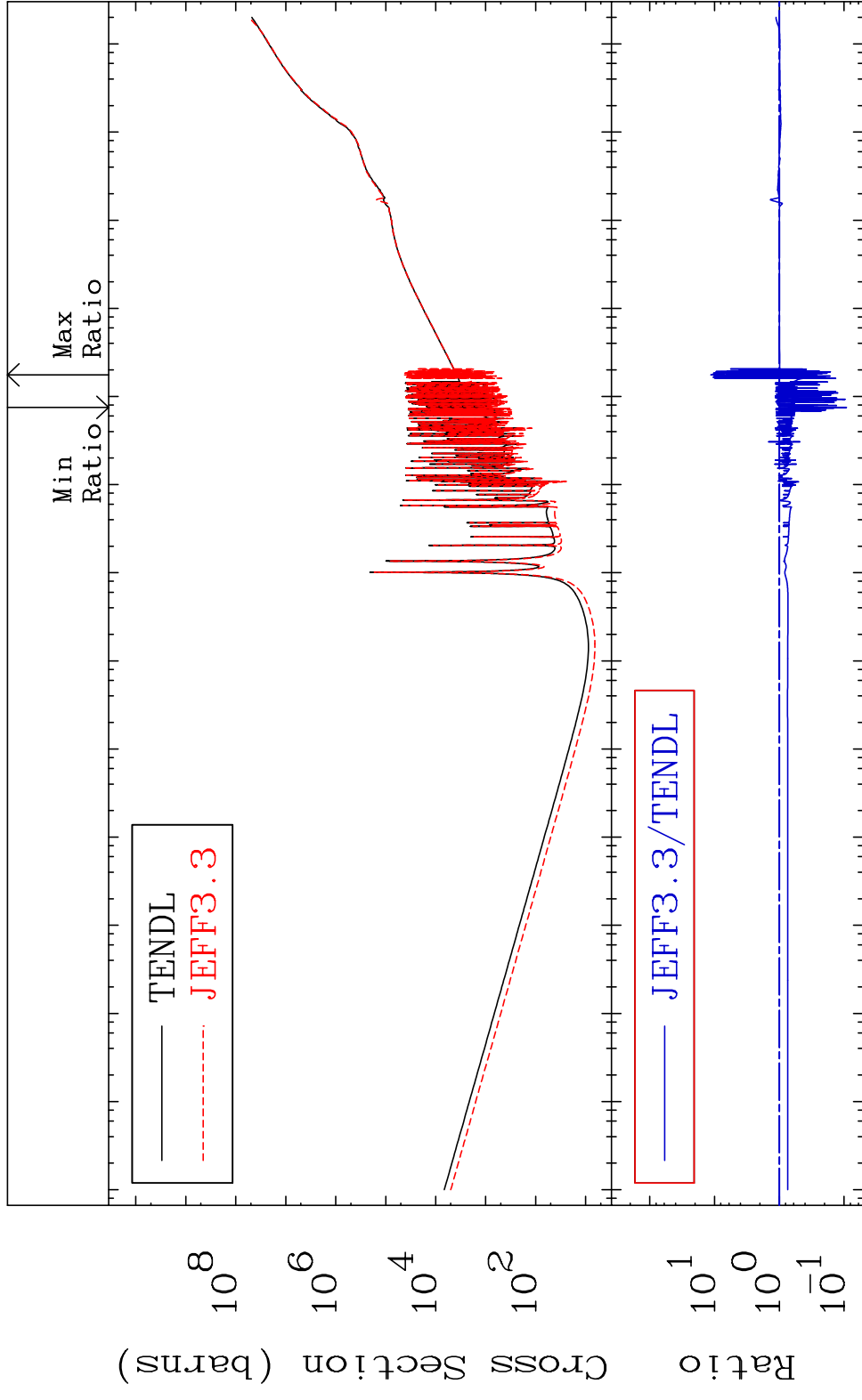


62

Incident Energy (eV)

35-Br-81

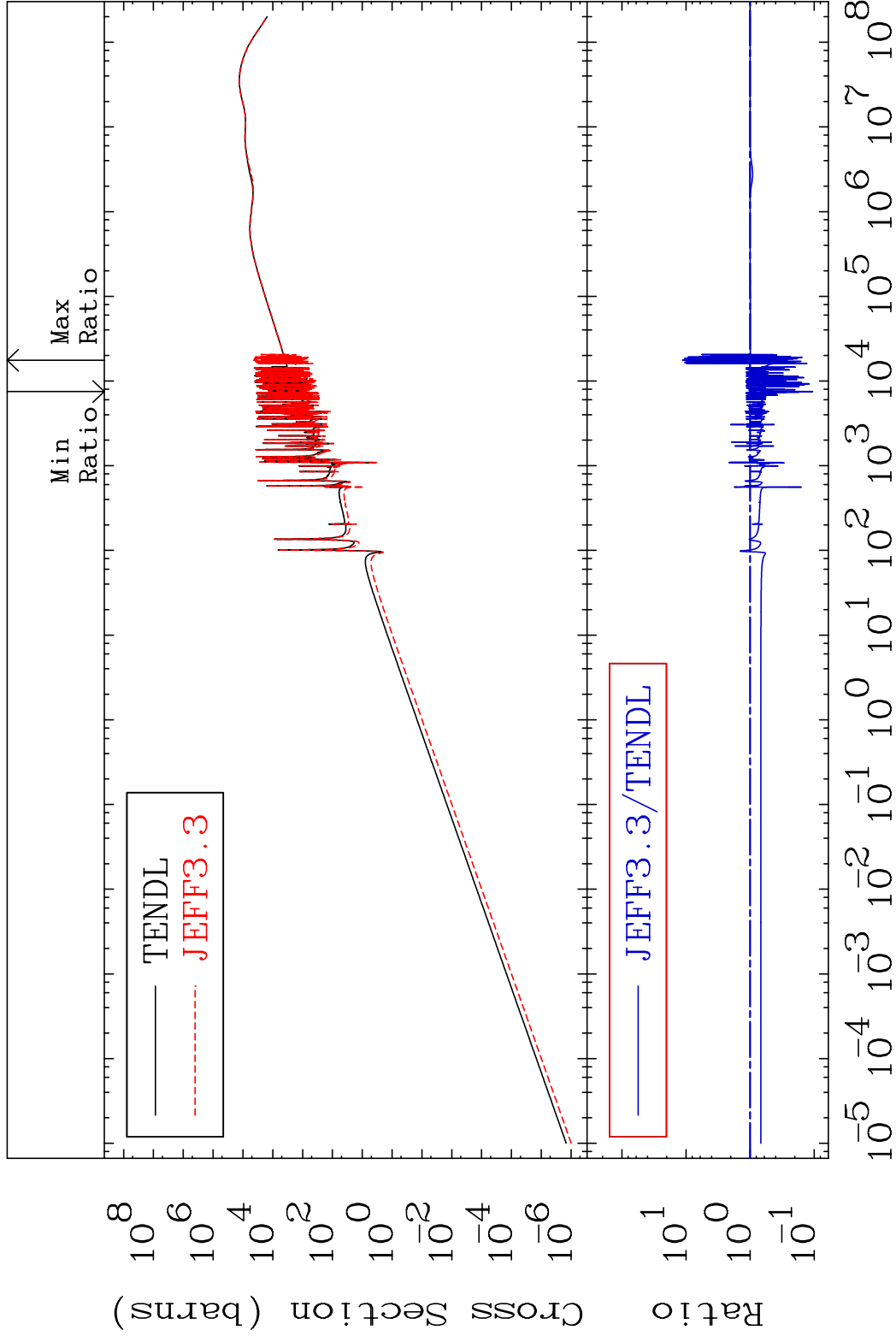
MAT 3531 Kerma total (eV-barns) 35-Br-81  
 Cross Section -90.78 To 1047. %



63 Incident Energy (eV) 35-Br-81

MAT 3531

Kerma elastic Cross Section -89.39 To 1042. %  
35-Br-81

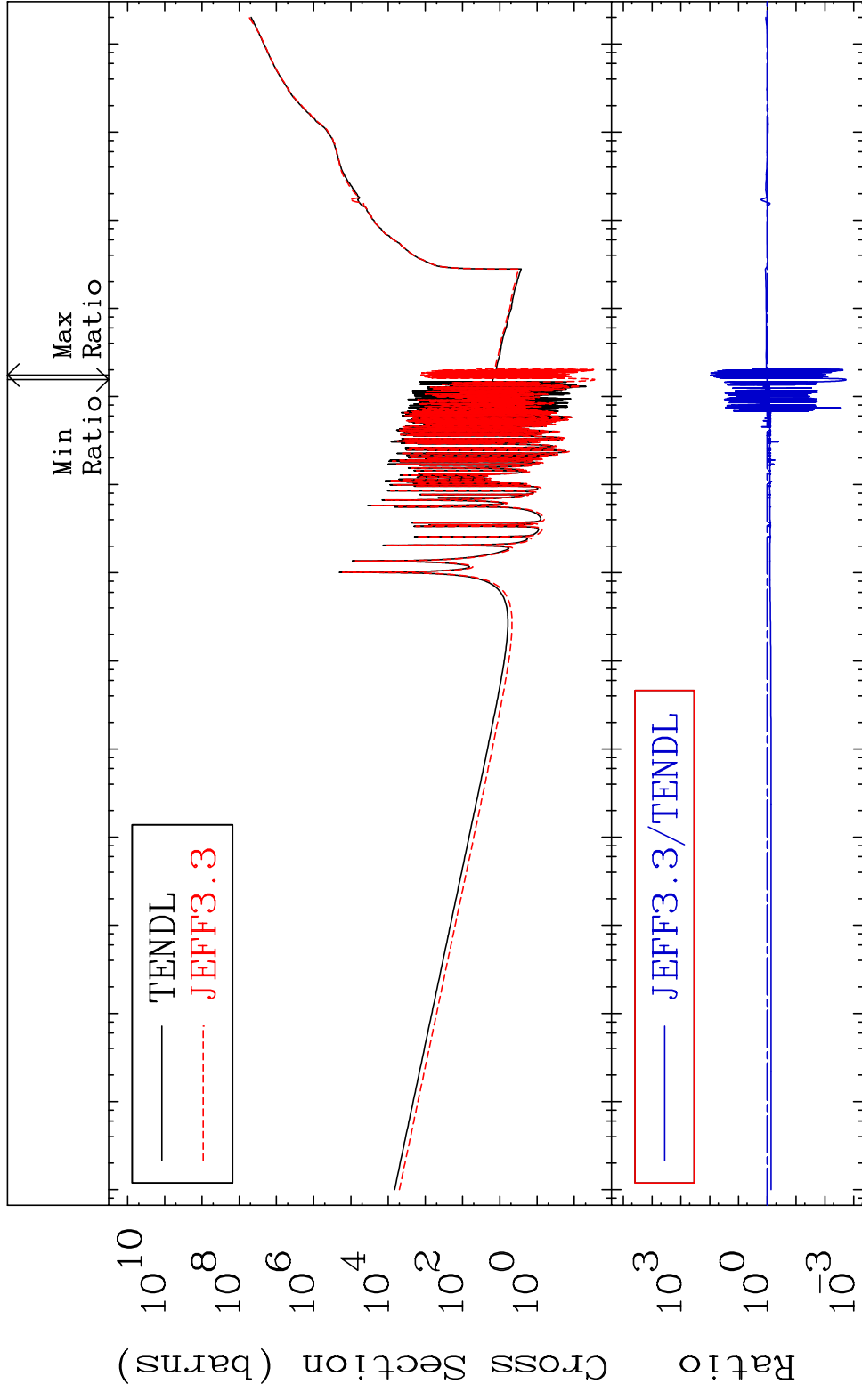


64

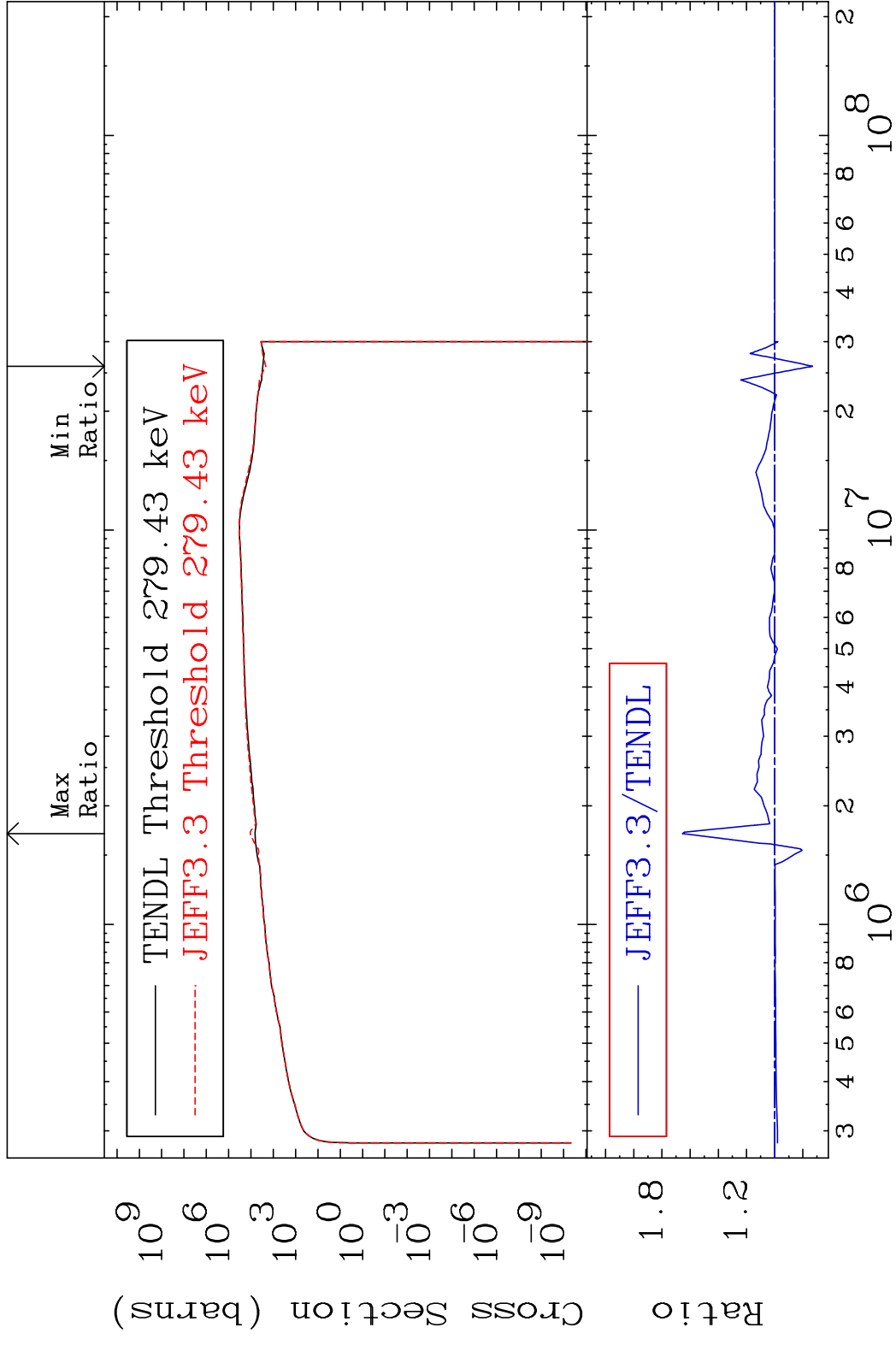
Incident Energy (eV)

35-Br-81

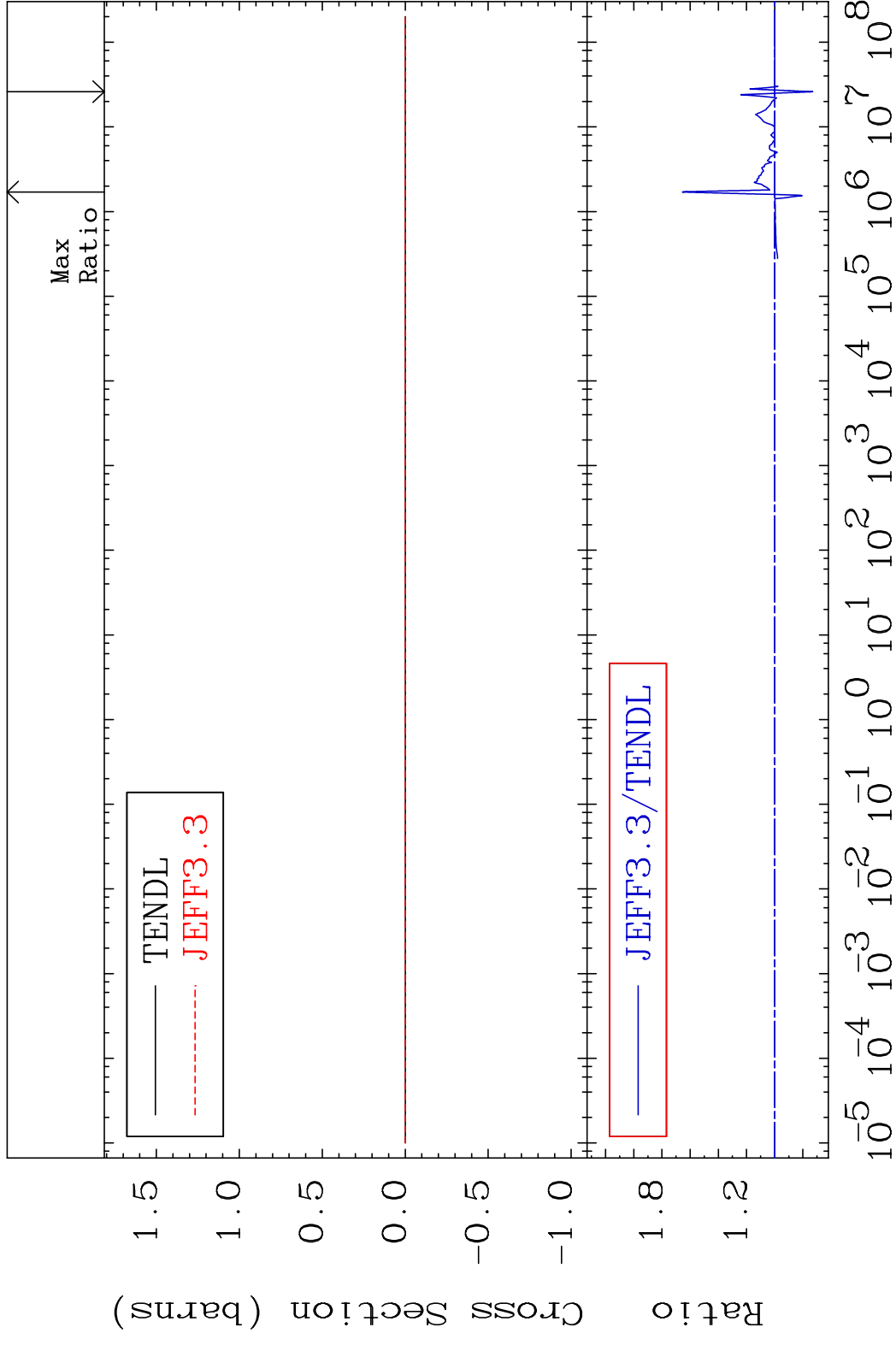
MAT 3531 Kerma non-elastic (all but mt2) 35-Br-81  
 Cross Section -99.82 To 9125. %



MAT 3531 Kerma inelastic (mt51-91) 35-Br-81  
 Cross Section -26.84 To 65.53 %



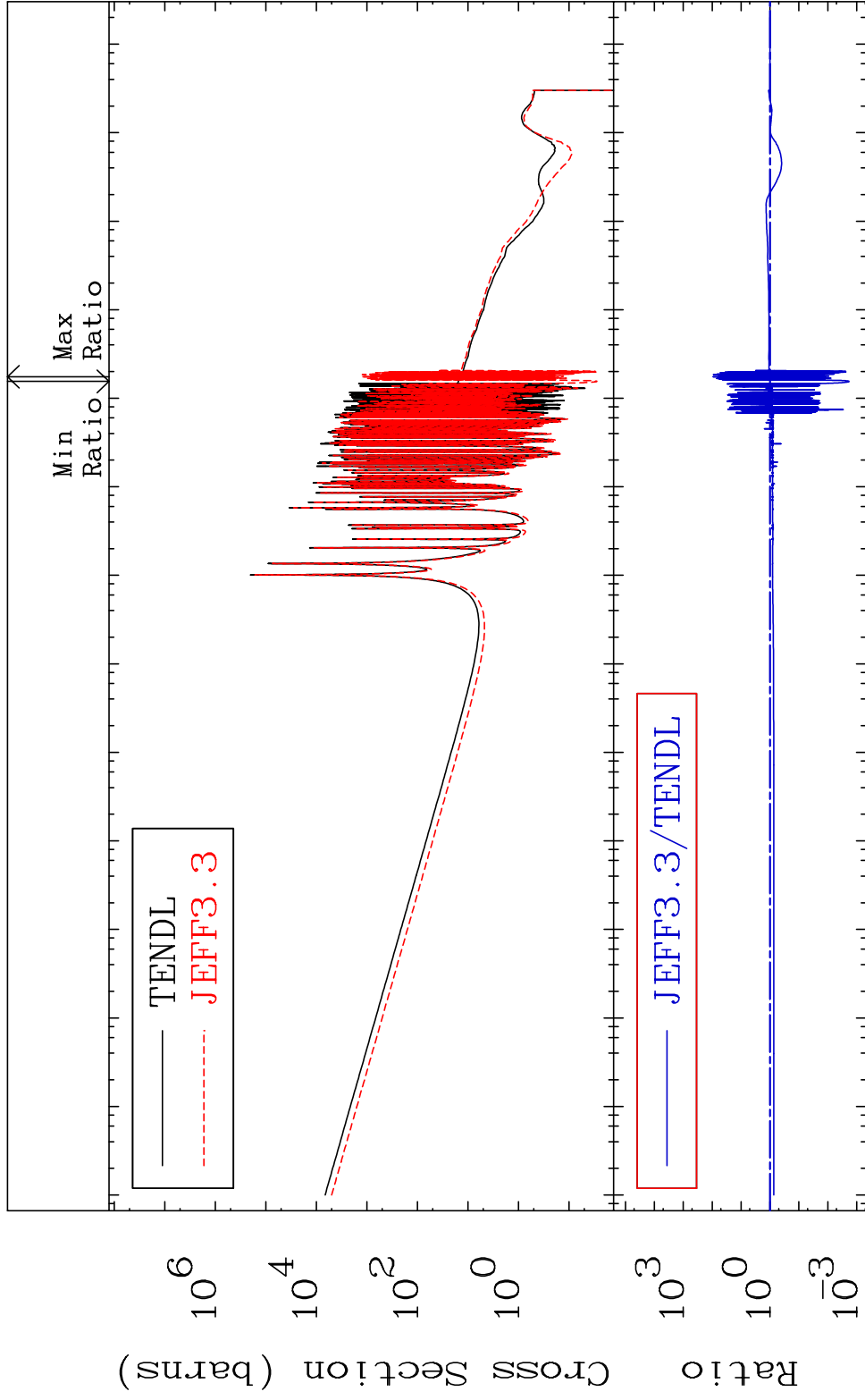
MAT 3531 Kerma fission (mt18 or mt19-20-21-38) 35-Br-81  
 Cross Section -26.84 To 65.53 %



MAT 3531

Kerma capture (mt102) 35-Br-81

Cross Section -99.82 To 9125. %

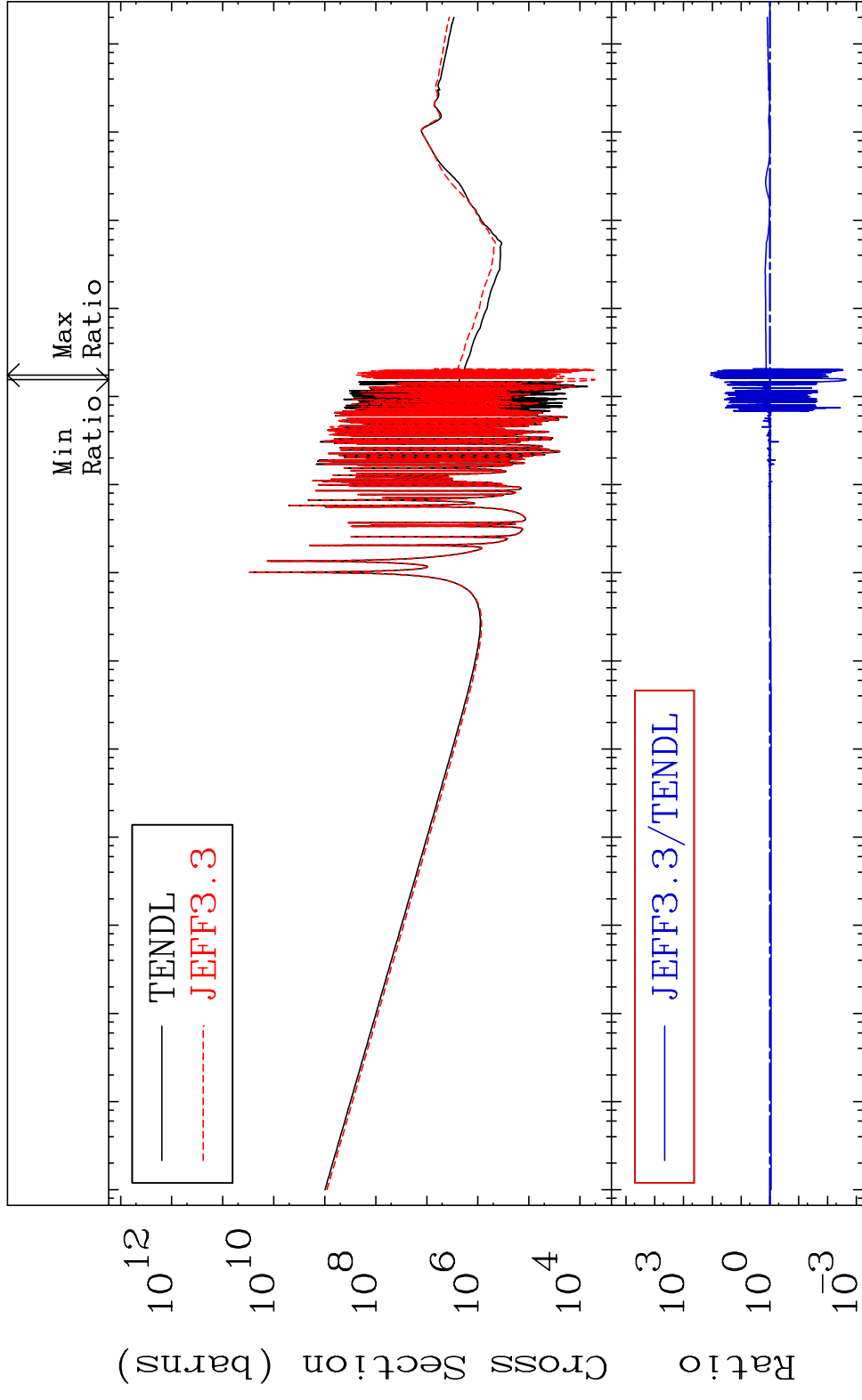


68

Incident Energy (eV)

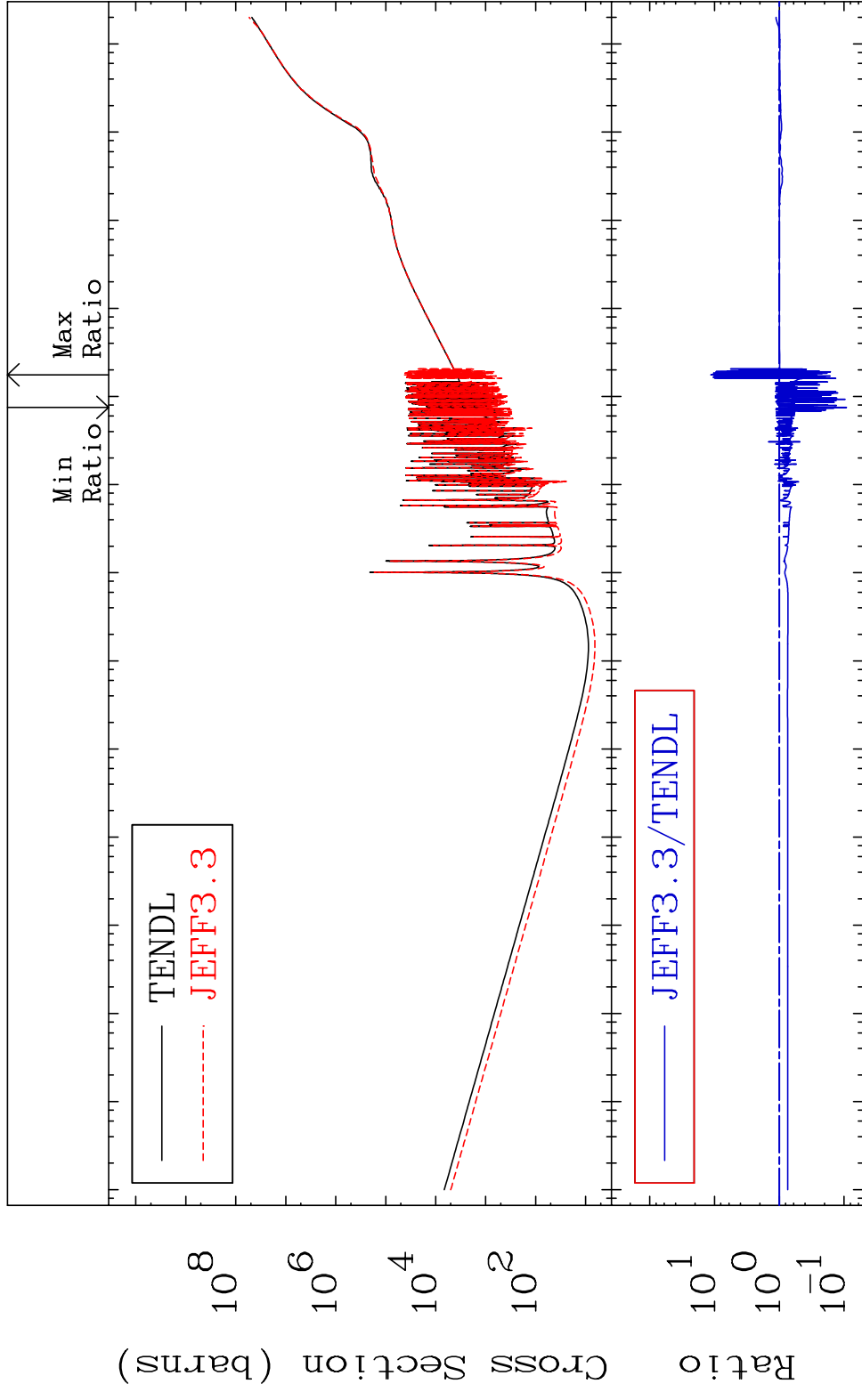
35-Br-81

MAT 3531 Total photon (eV-barns) 35-Br-81  
Cross Section -99.78 To 9999. %



69 Incident Energy (eV) 35-Br-81

MAT 3531 Total kinematic kerma (high limit) 35-Br-81  
Cross Section -90.78 To 1047. %



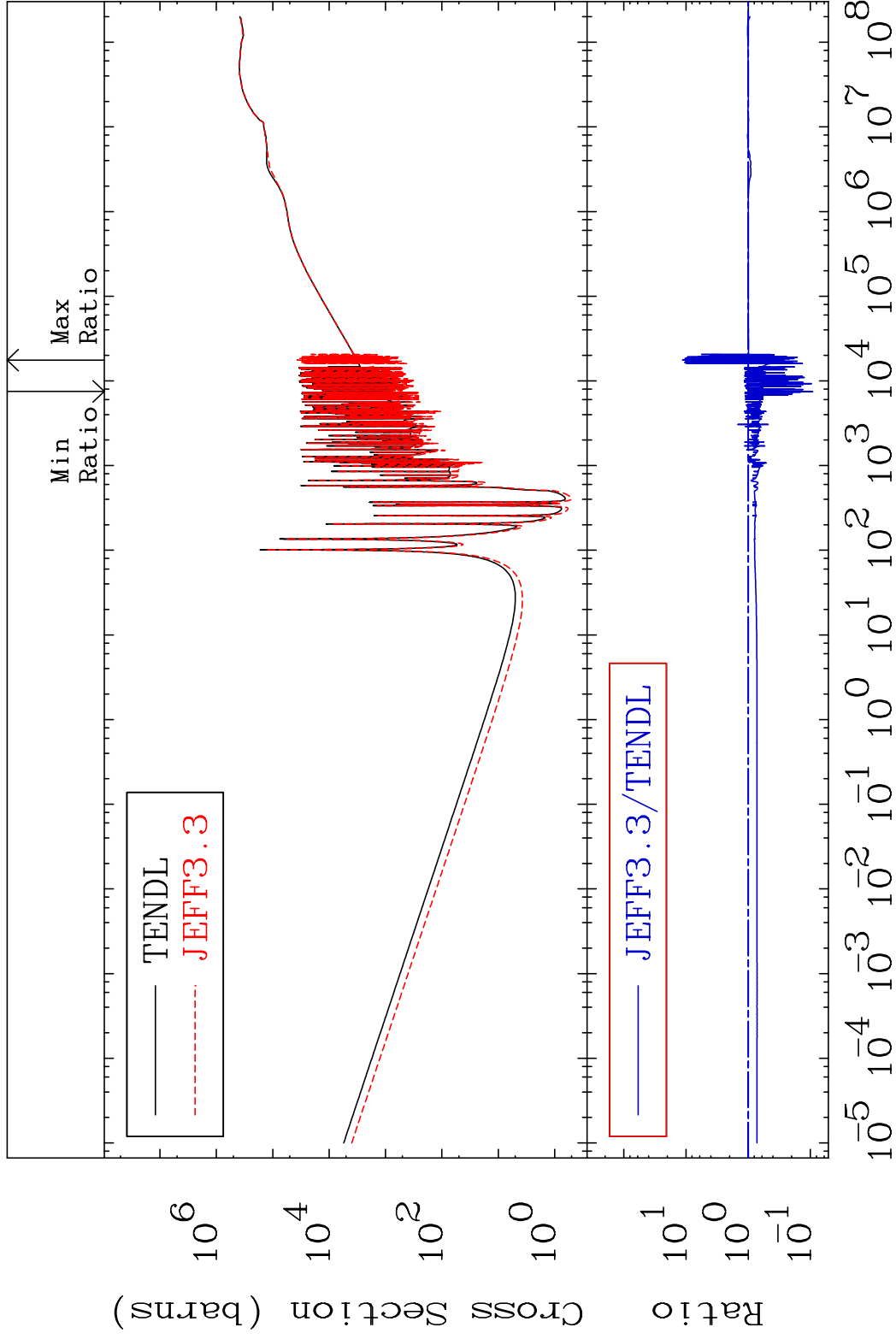
70 Incident Energy (eV) 35-Br-81

MAT 3531

Dpa total (eV-barns)

35-Br-81

Cross Section -90.777 To 1046. %



71

Incident Energy (eV)

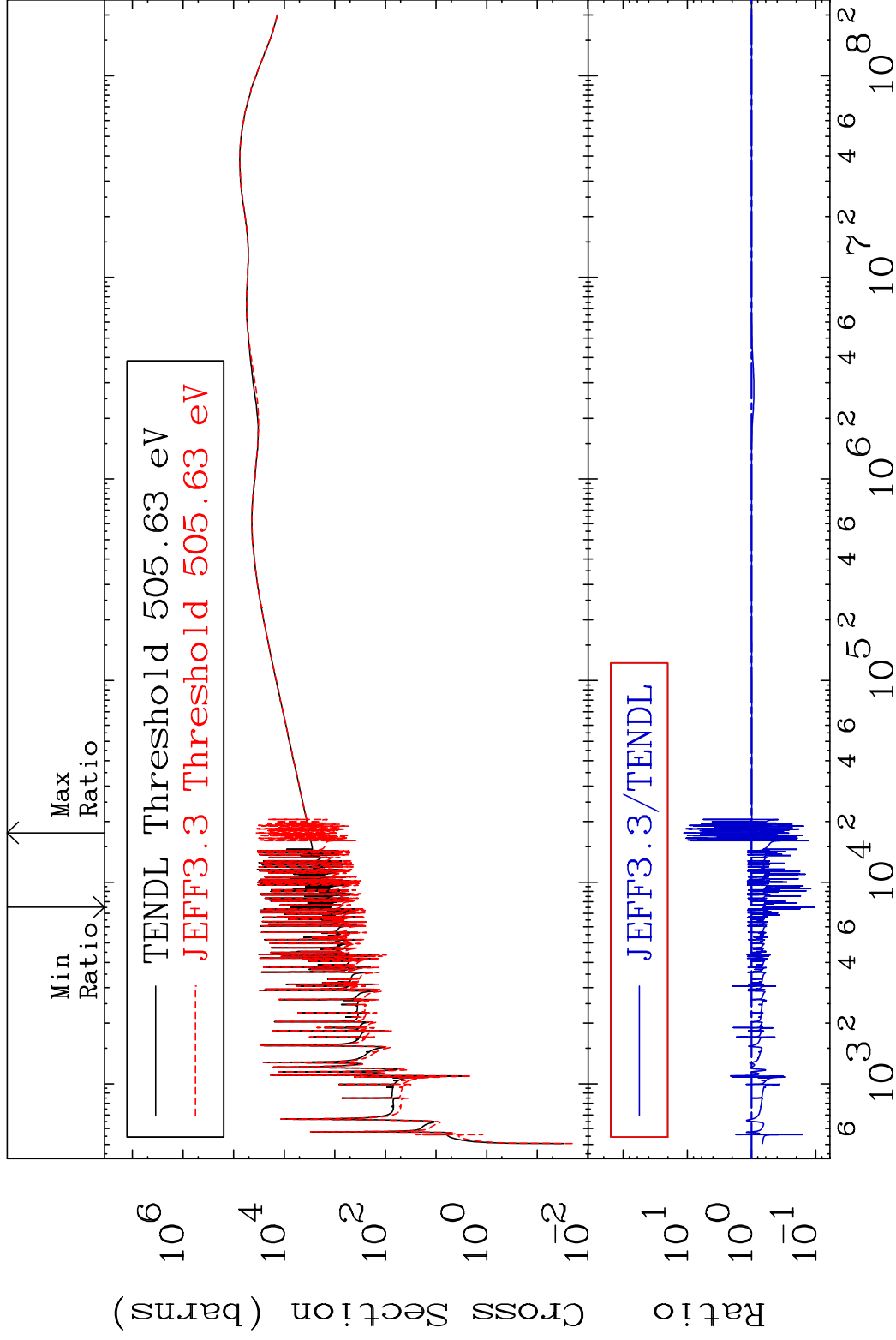
35-Br-81

MAT 3531

Dpa elastic (mt2)

35-Br-81

Cross Section -89.39 To 1042. %



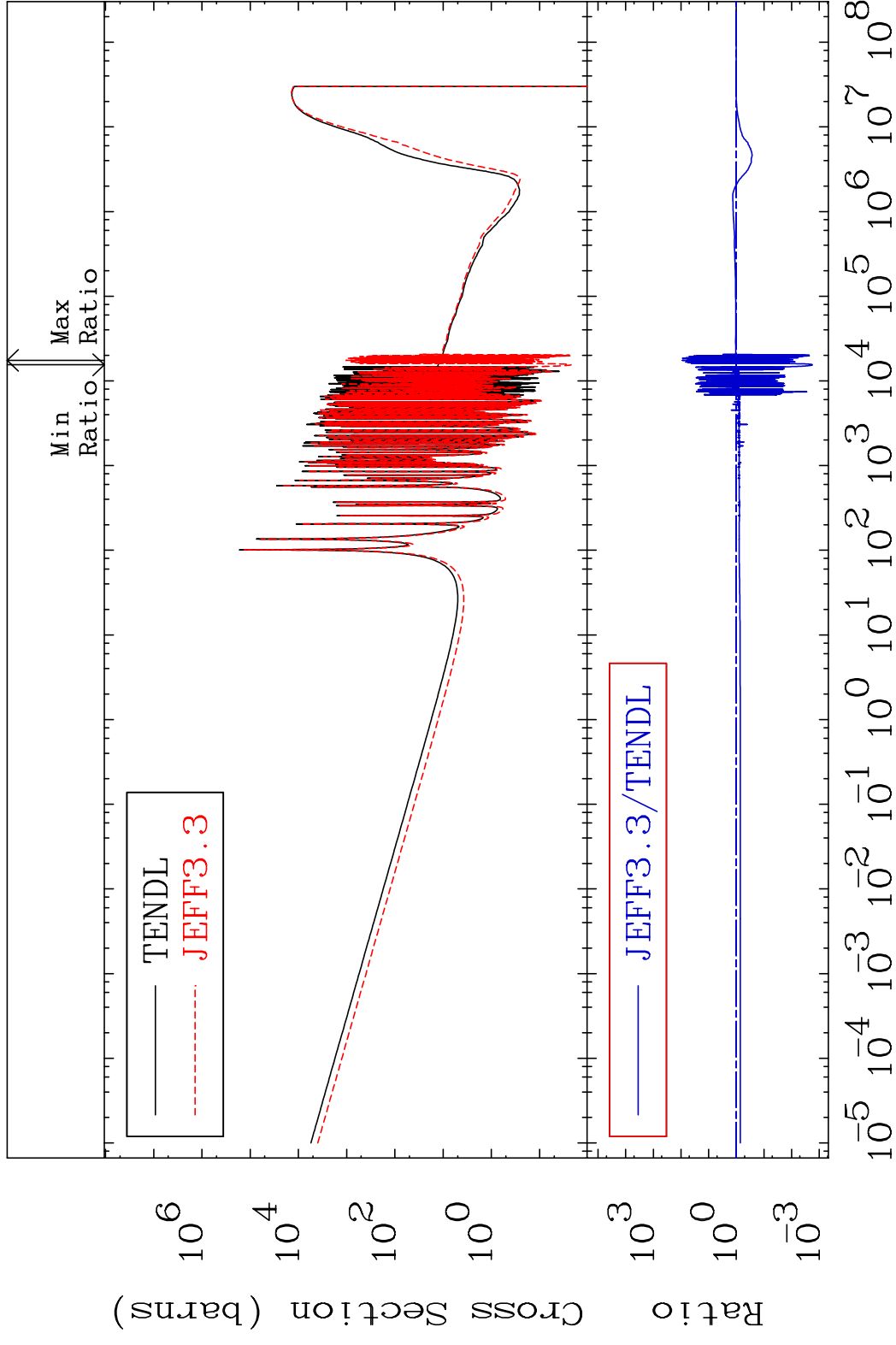
72

Incident Energy (eV)

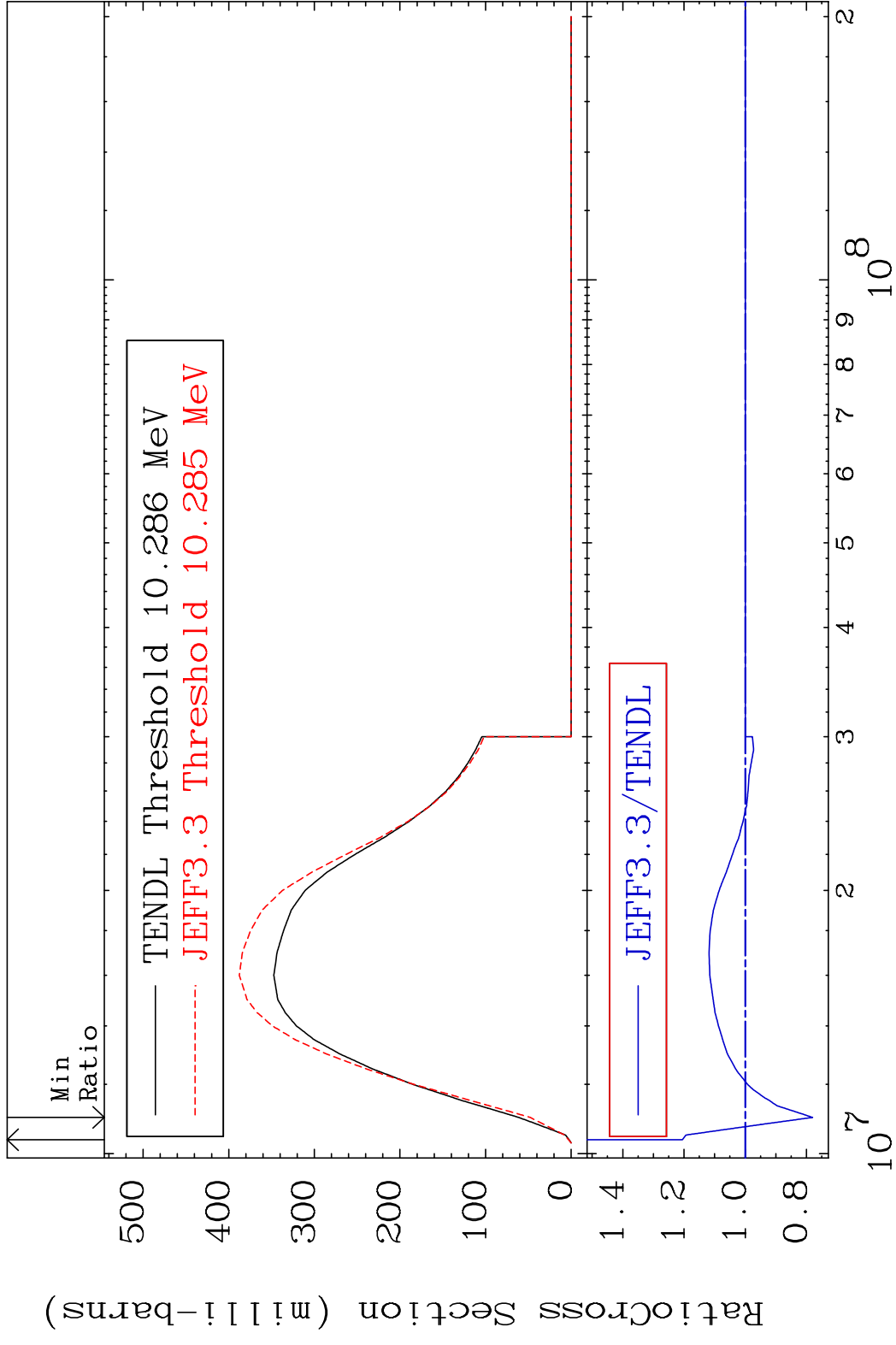
35-Br-81



MAT 3531 Dpa disappearance (mt102 -120) 35-Br-81  
 Cross Section -99.83 To 8844. %

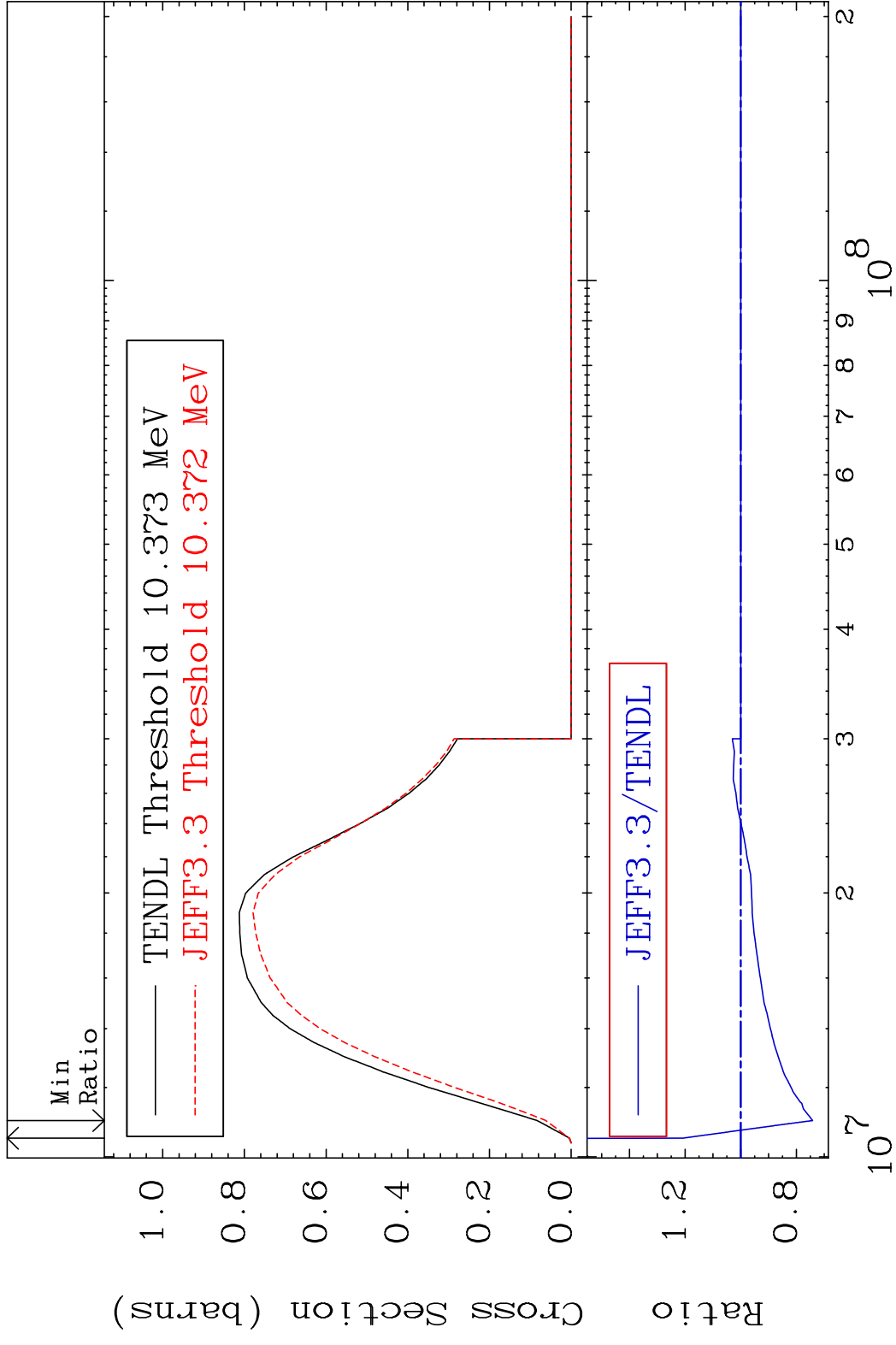


MAT 3531 (n,2n):35-Br-80g 35-Br-81  
 Radionuclide Production Cross Section to 20.54 %

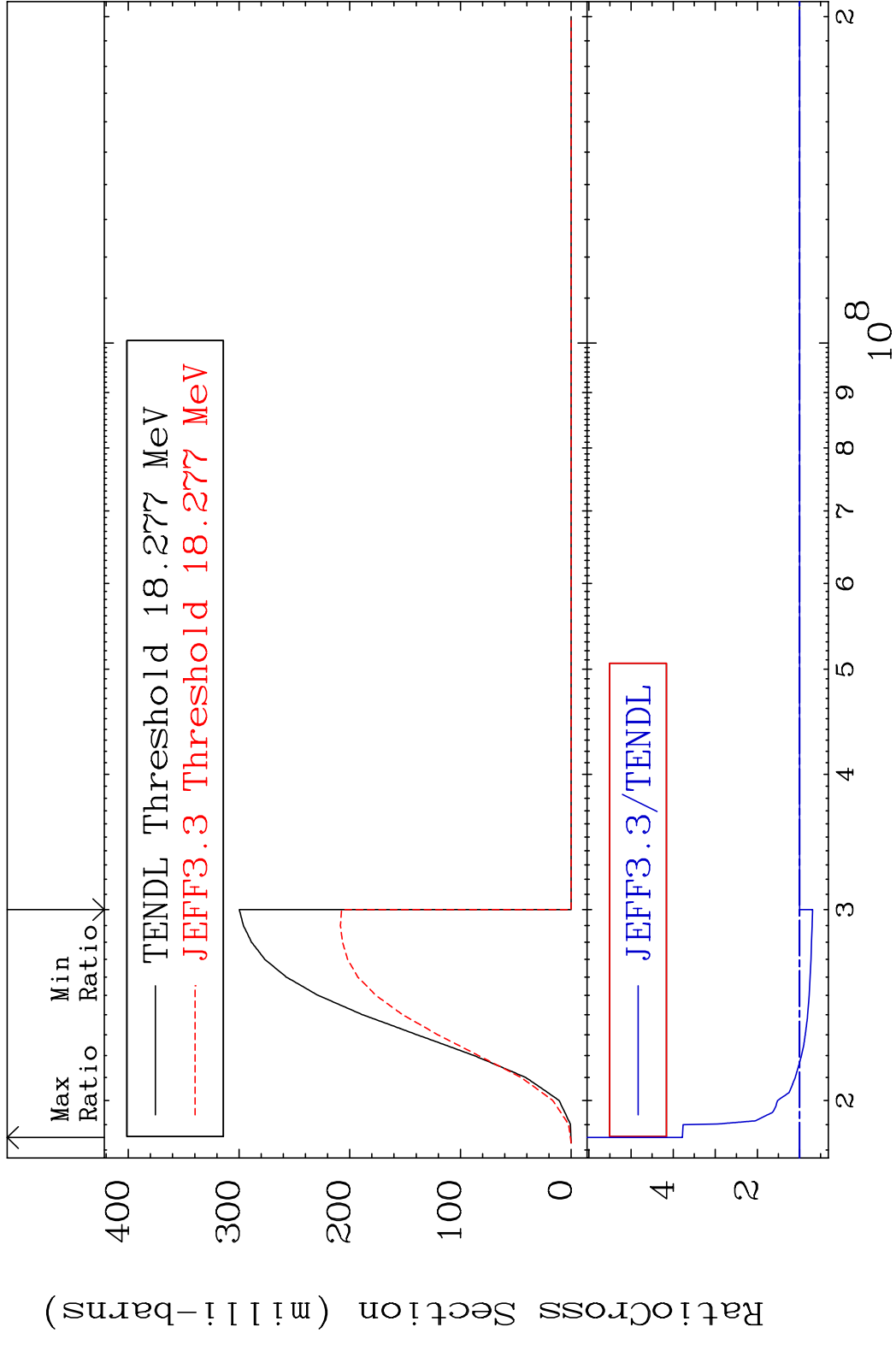


75 Incident Energy (eV) 35-Br-81

MAT 3531 (n,2n):35-Br-80m2 35-Br-81  
 Radionuclide Production Cross Section to 20.98 %

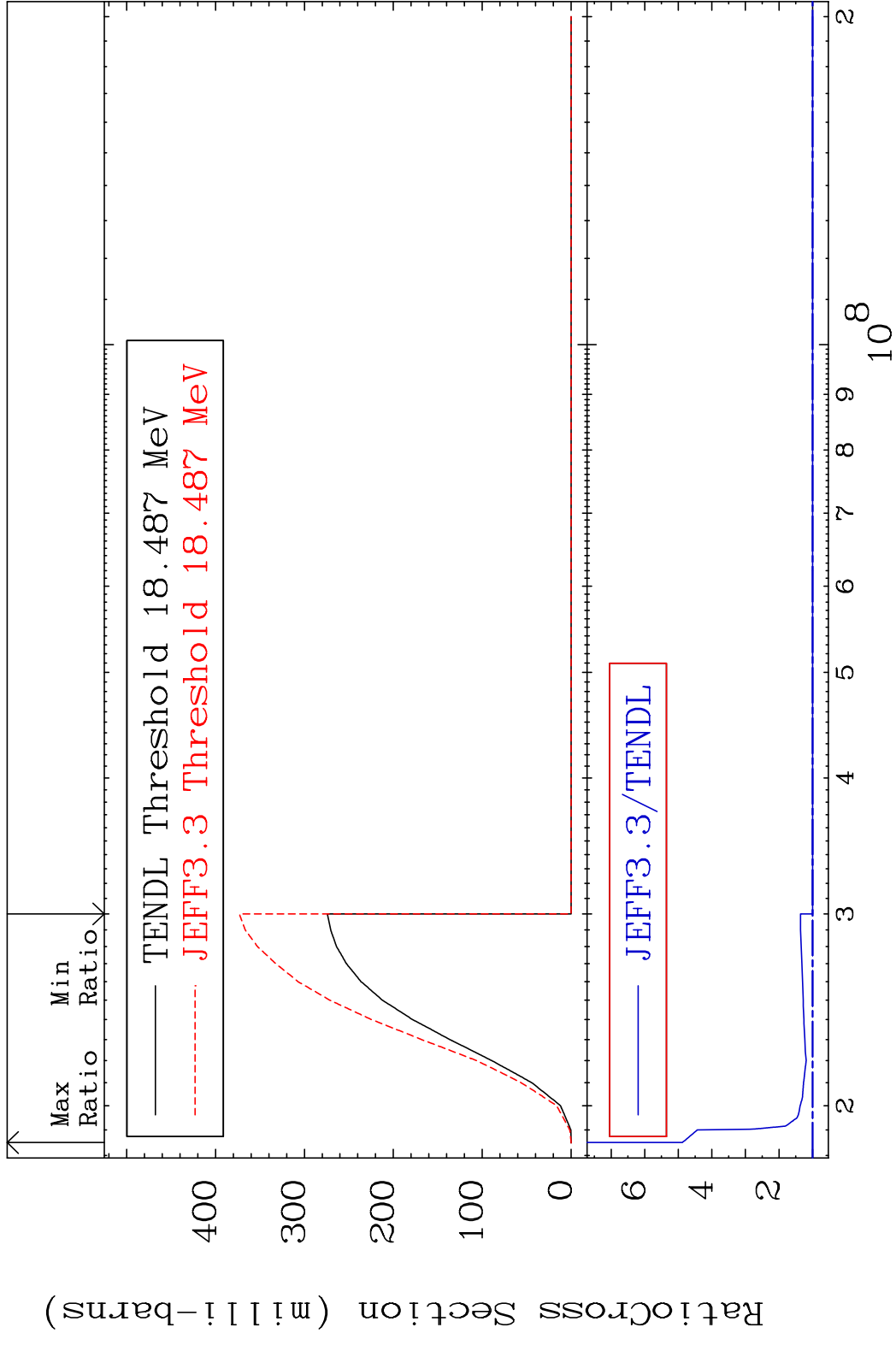


MAT 3531 (n,3n):35-Br-79g 35-Br-81  
 Radionuclide Production Cross Section 30.61 dth 278.2 %

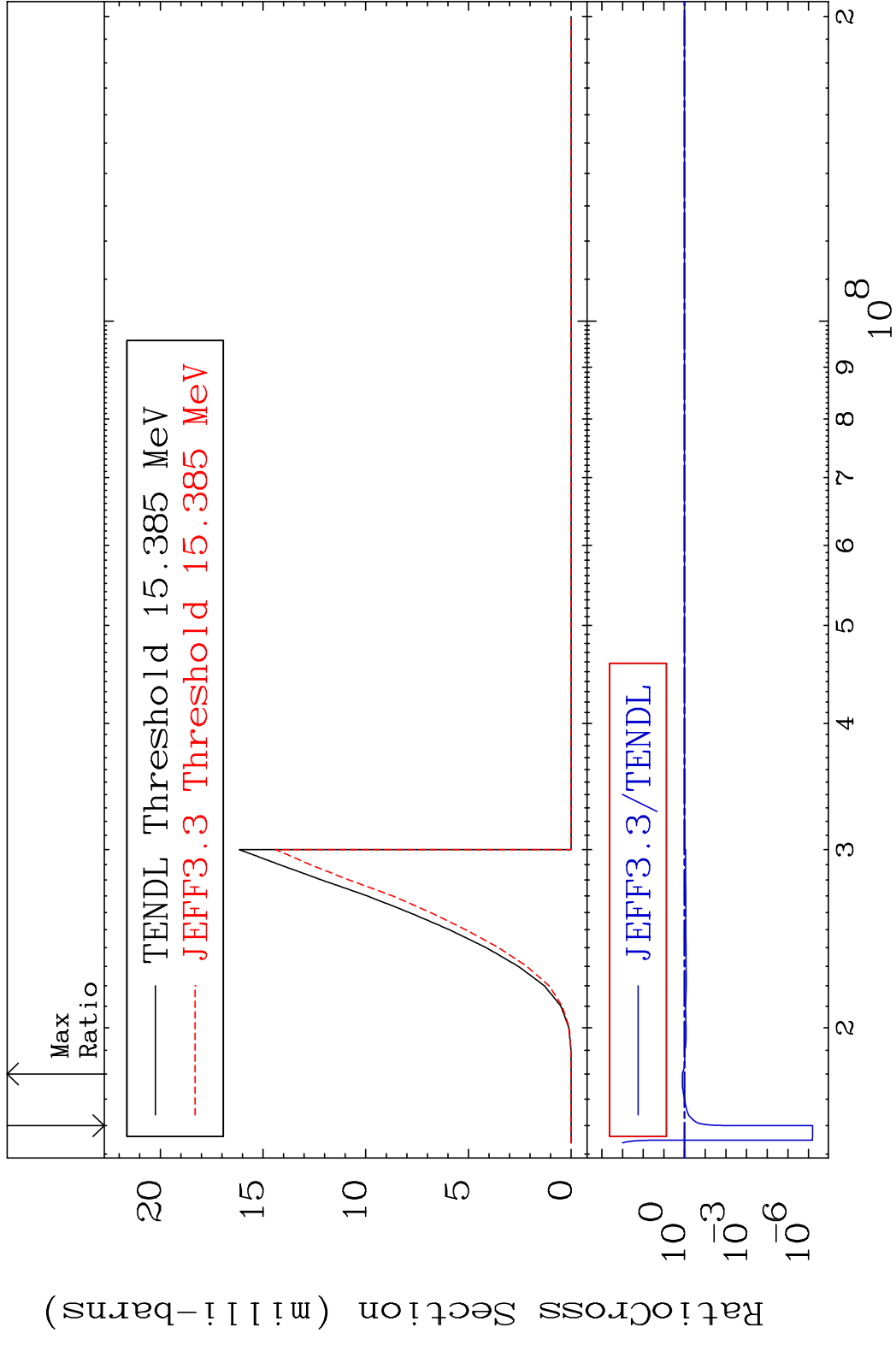


77 Incident Energy (eV) 35-Br-81

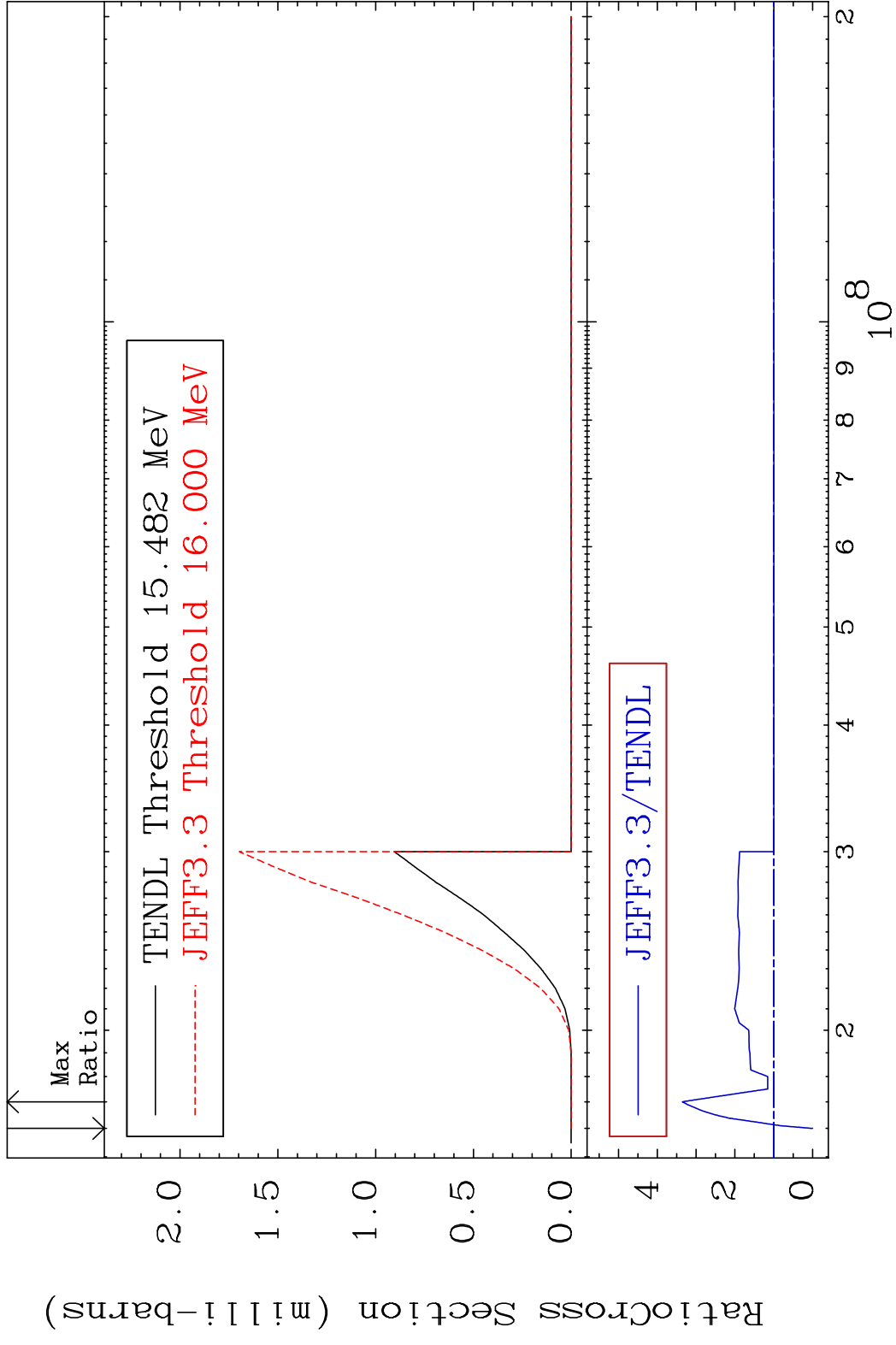
MAT 3531 (n,3n):35-Br-79m1 35-Br-81  
 Radionuclide Production Cross Section 387.9 %

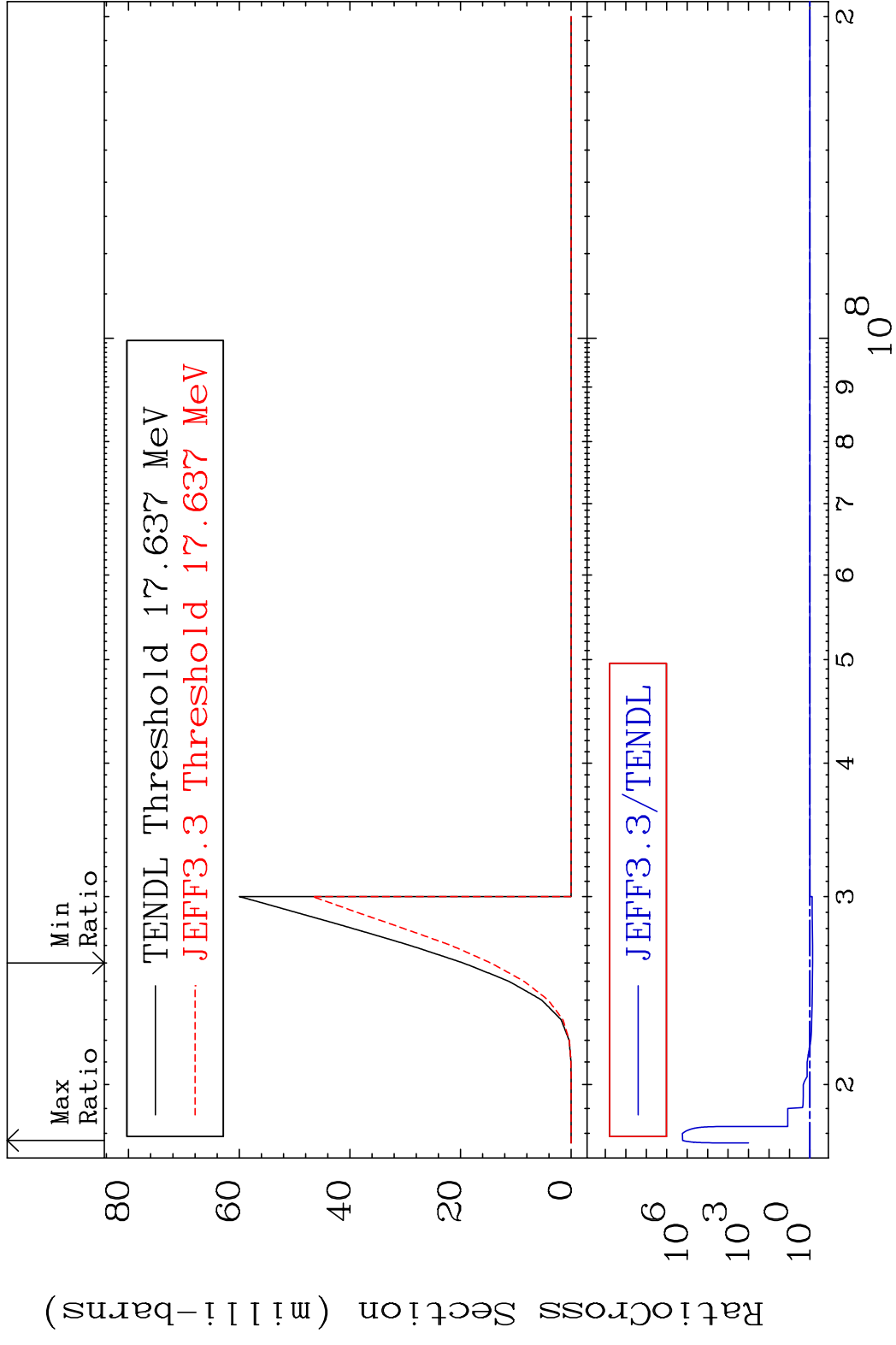


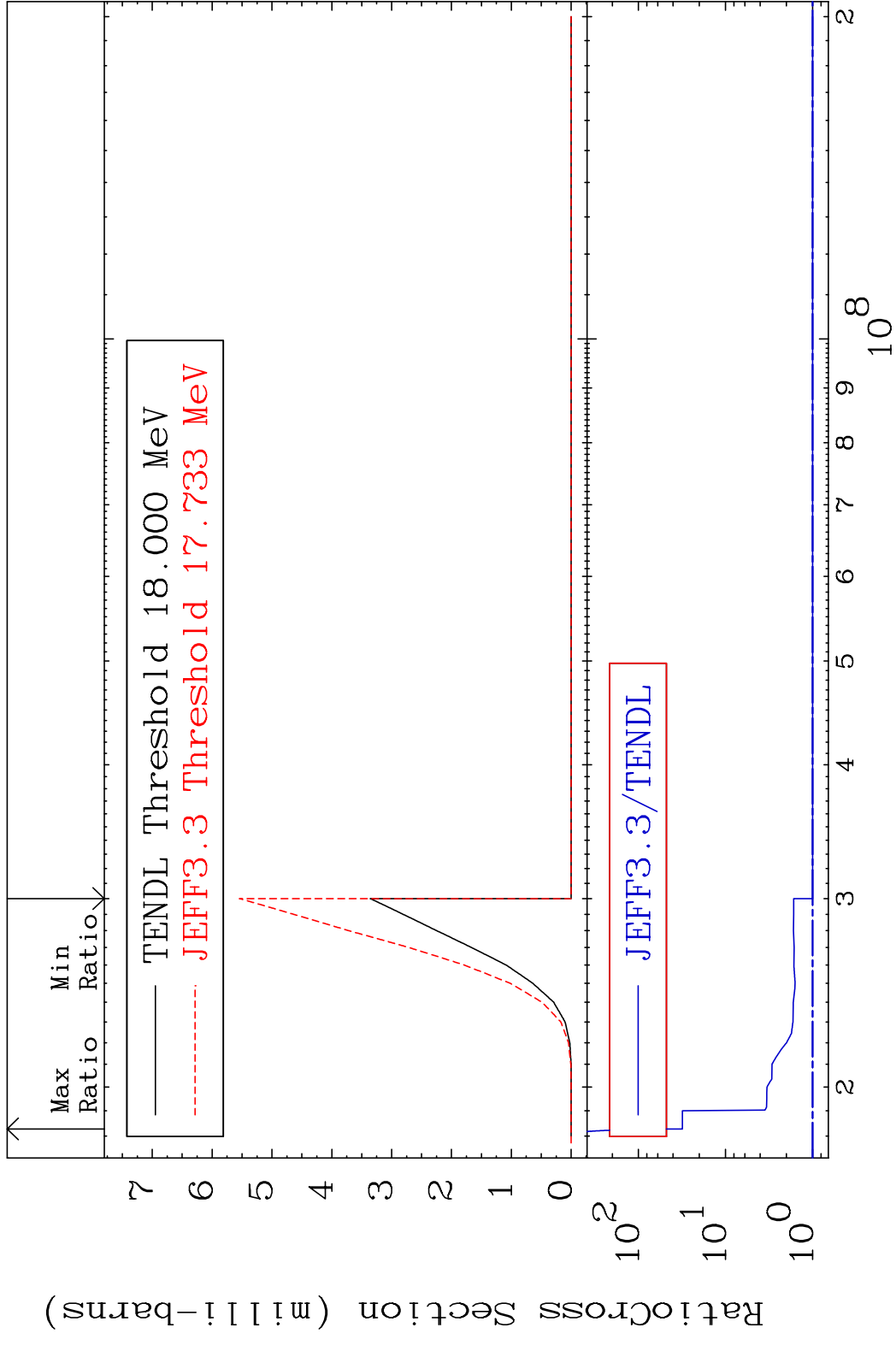
MAT 3531 (n, n') d:34-Se-79g 35-Br-81  
 Radionuclide Production Cross Section 1800 d to 27.51 %



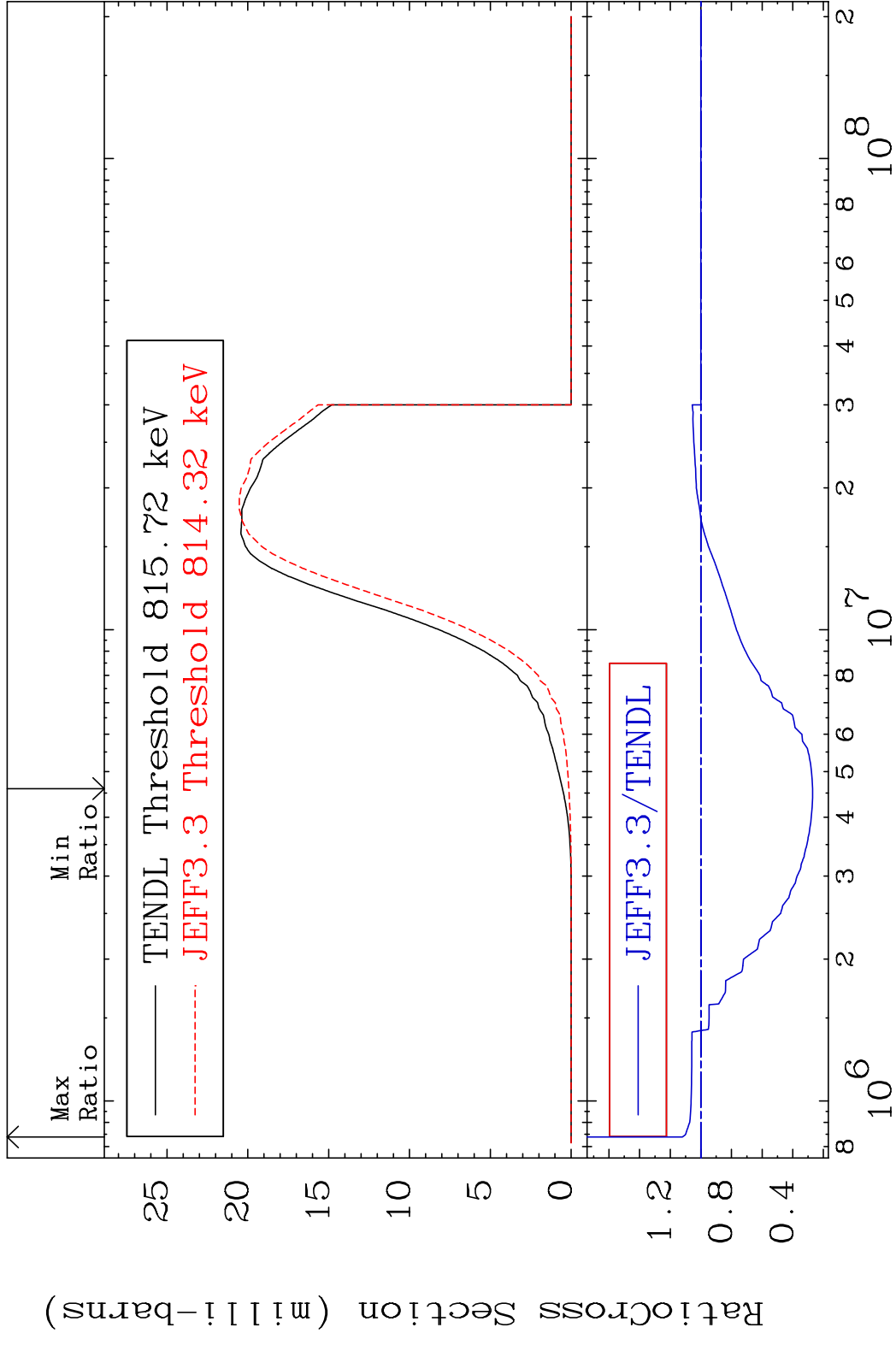
MAT 3531 (n, n') d:34-Se-79m1 35-Br-81  
 Radionuclide Production Cross Section 180.0 dno 235.5 %





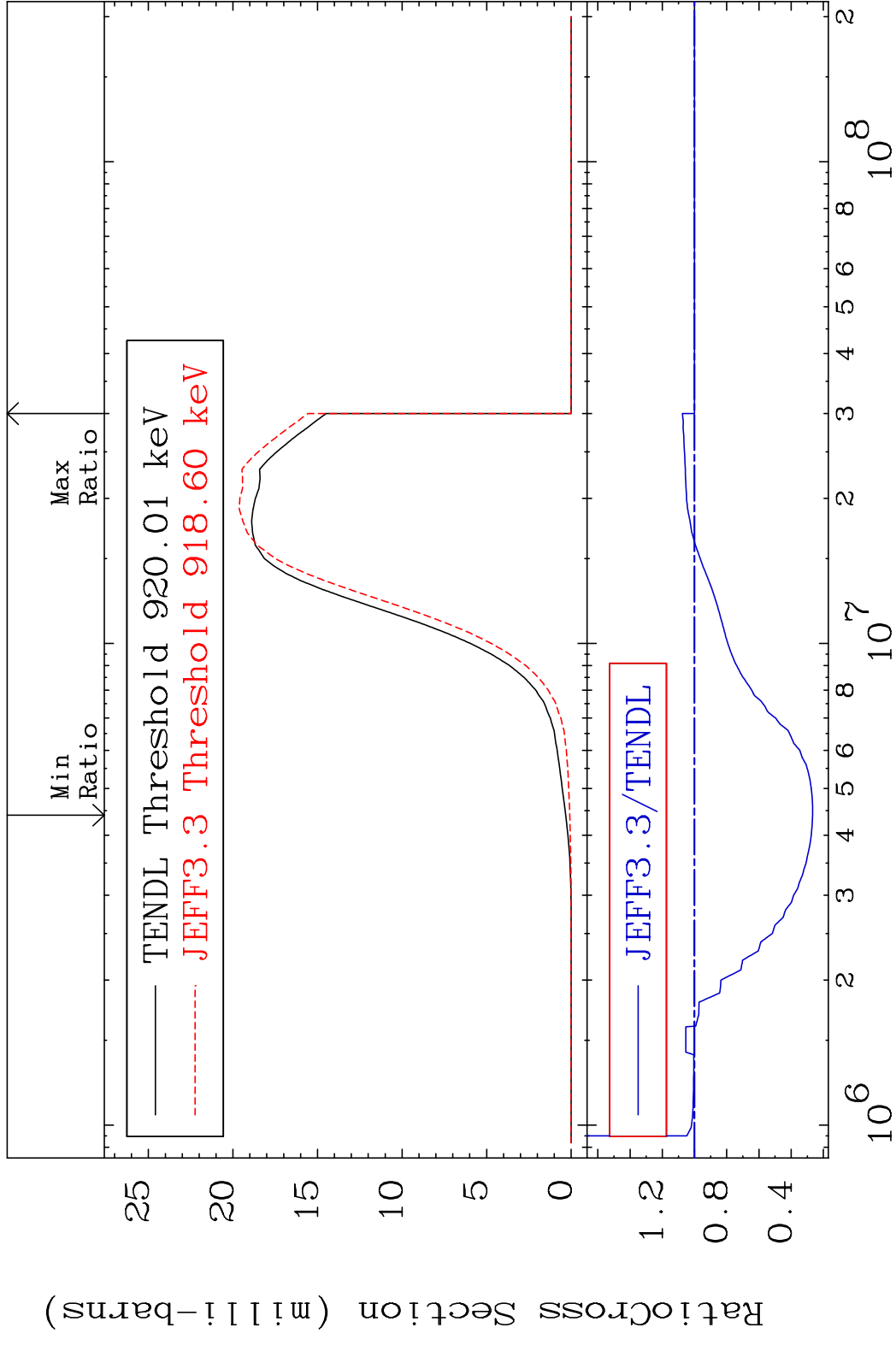


MAT 3531 (n,p):34-Se-81g 35-Br-81  
 Radionuclide Production Cross Section 12.09 %



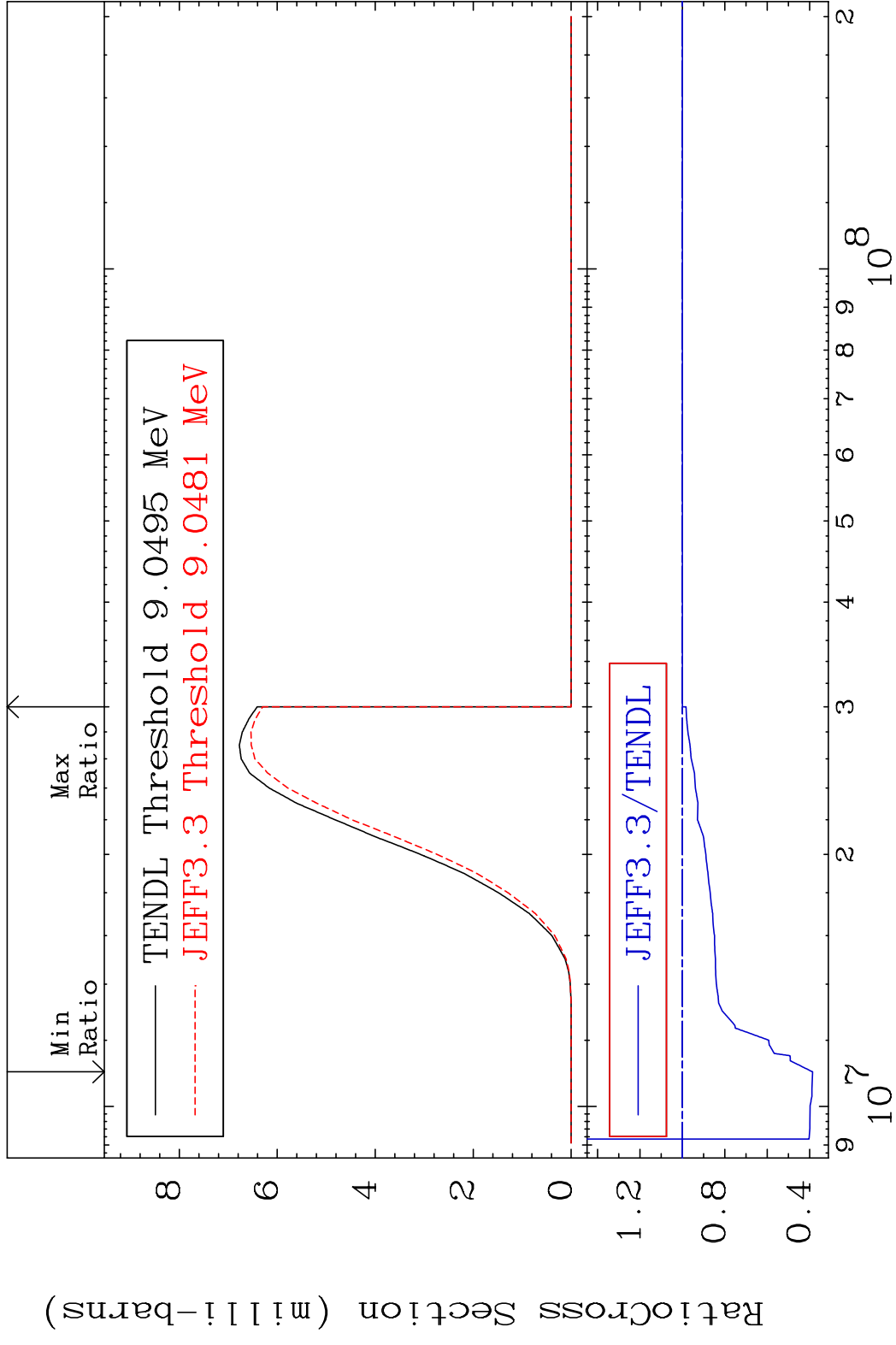
83 35-Br-81

MAT 3531 (n,p):34-Se-81m1 35-Br-81  
 Radionuclide Production Cross Section 7.555 %



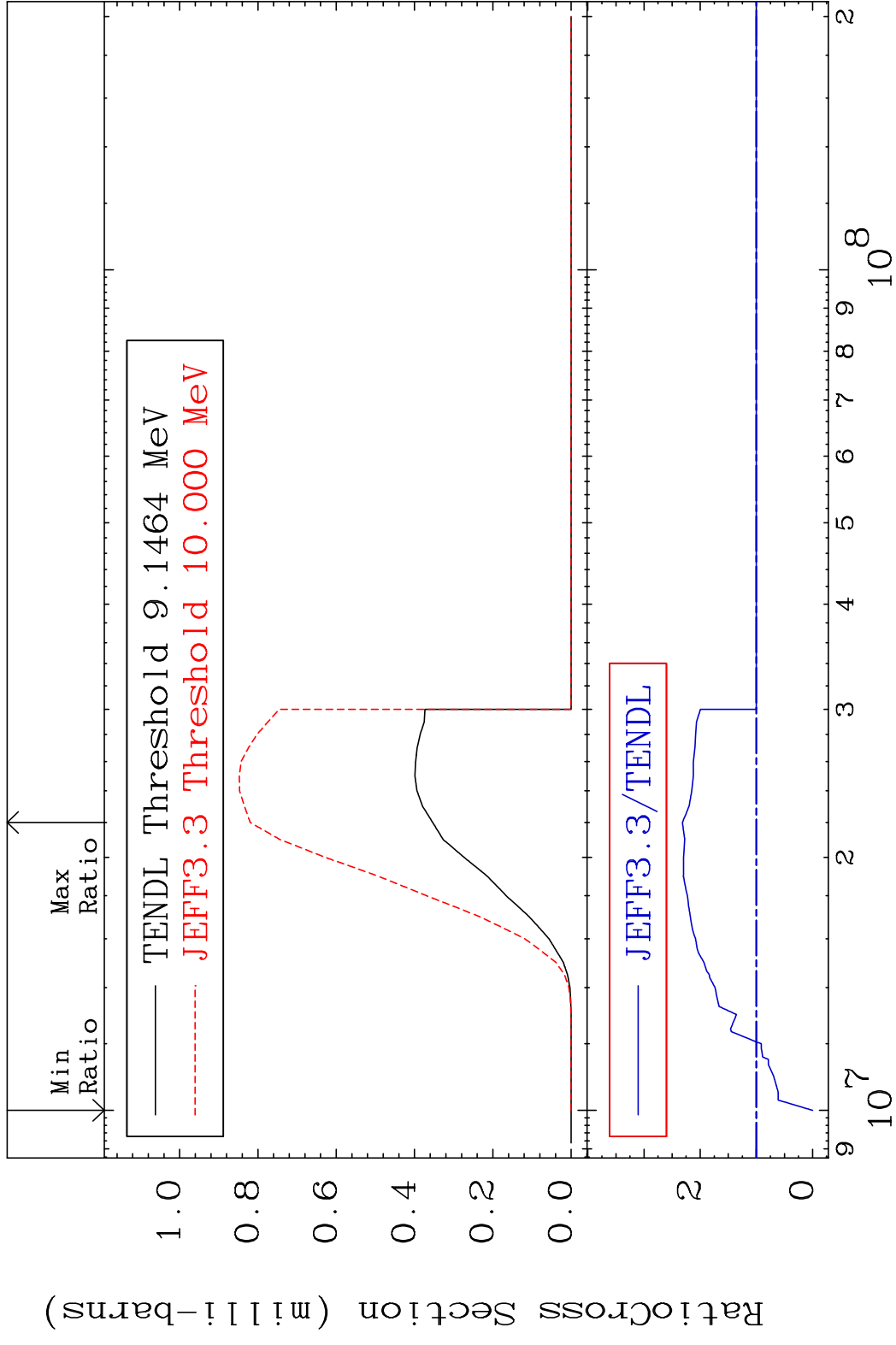
84 Incident Energy (eV) 35-Br-81

MAT 3531 (n, t):34-Se-79g 35-Br-81  
 Radionuclide Production Cross Section 0.000 %



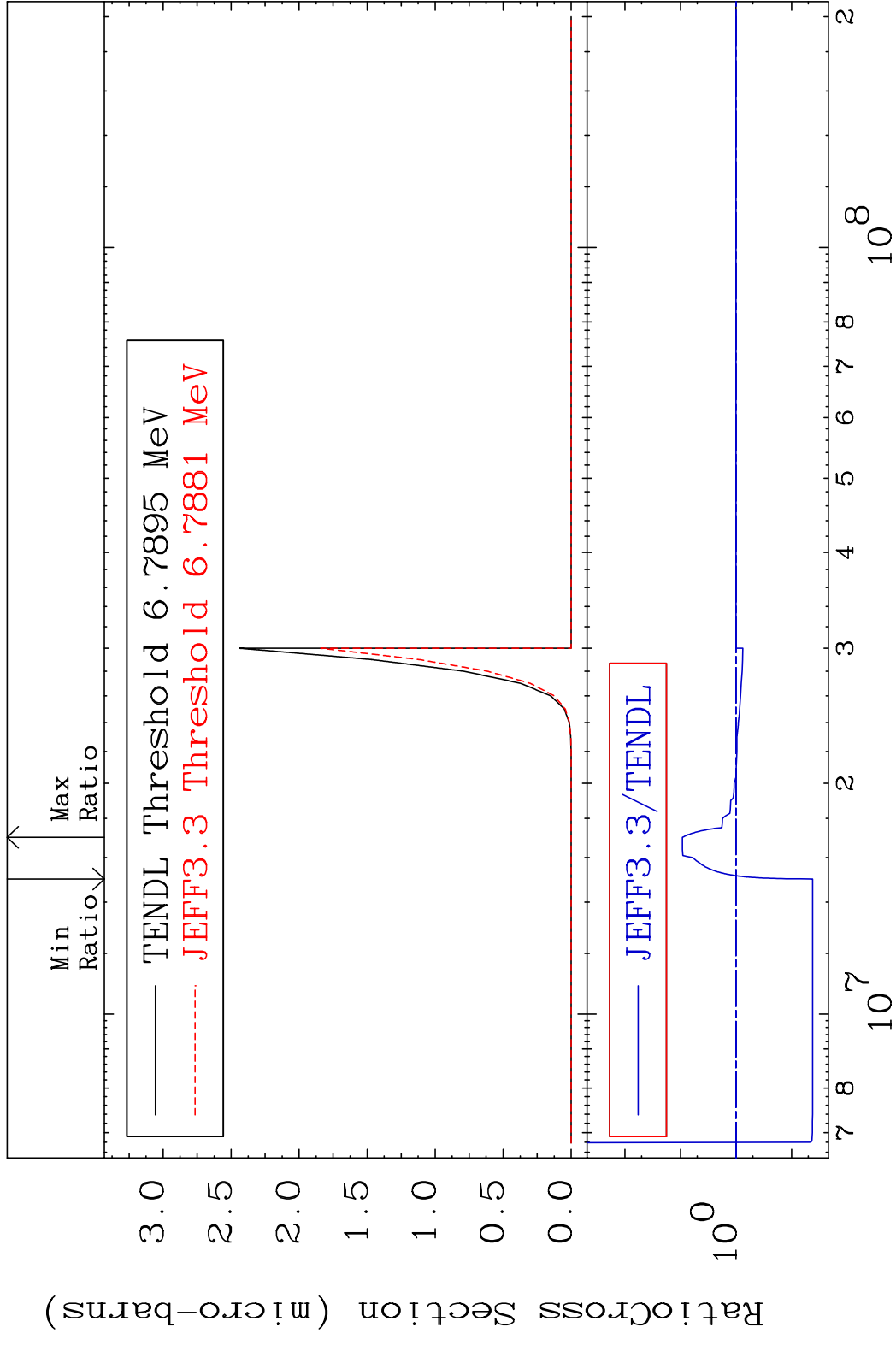
85 Incident Energy (eV) 35-Br-81

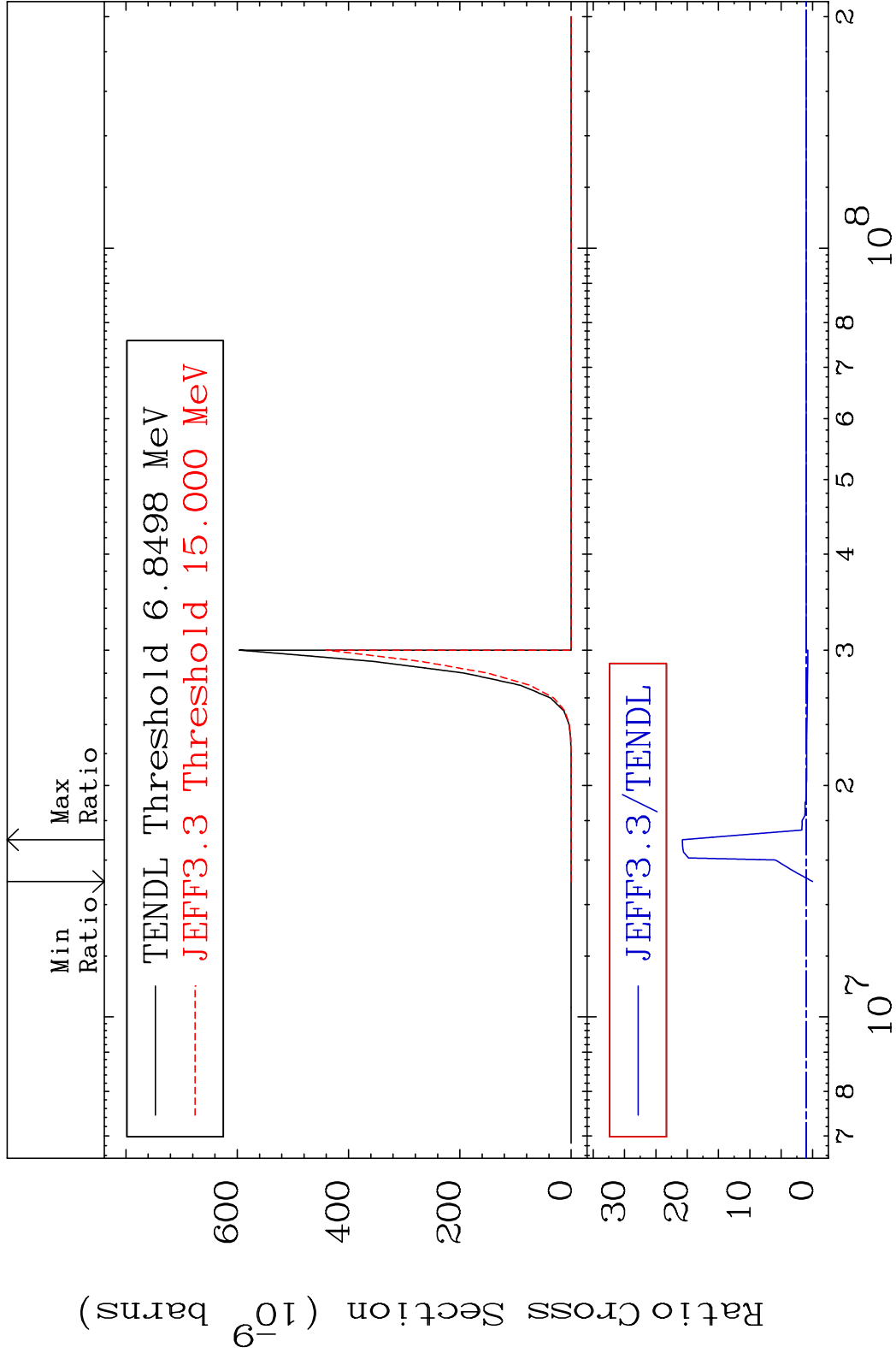
MAT 3531 (n, t):34-Se-79m1 35-Br-81  
 Radionuclide Production Cross Section 130.01 dno 131.7 %



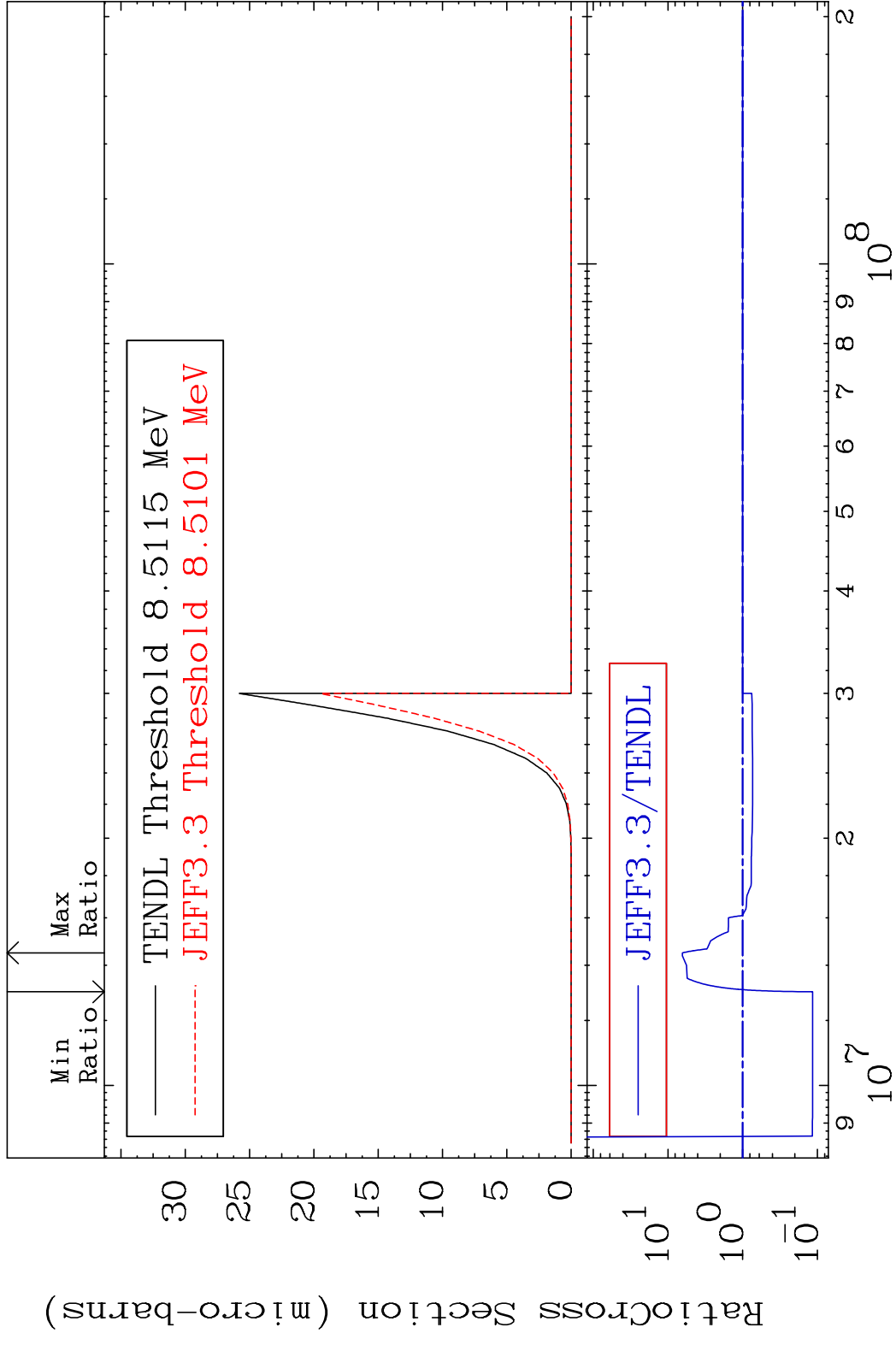
86 Incident Energy (eV) 35-Br-81

MAT 3531 (n,2α):31-Ga-74g 35-Br-81  
 Radionuclide Production Cross Section 826.4 %

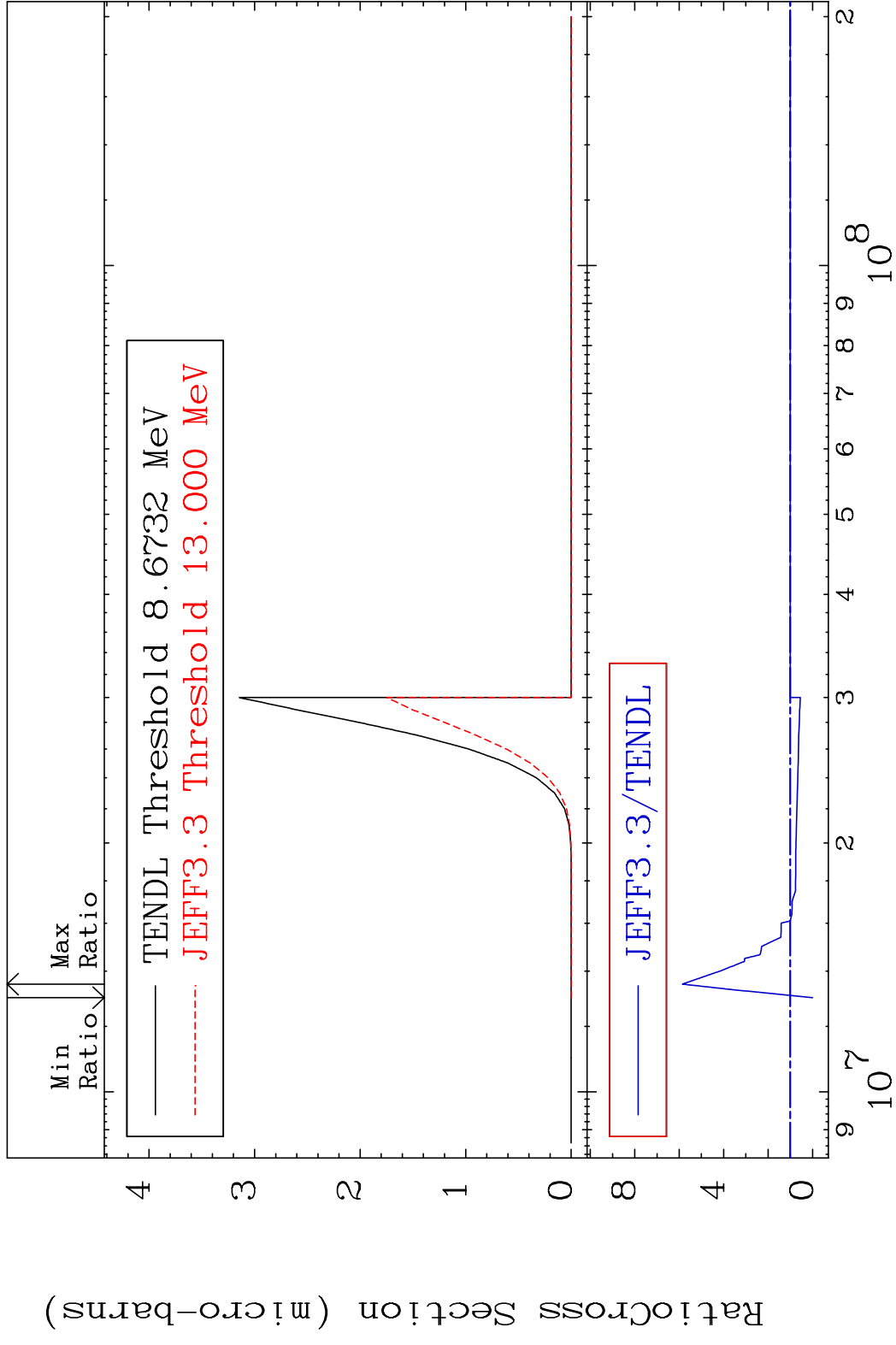




MAT 3531 (n, p)  $\alpha$ :32-Ge-77g 35-Br-81  
 Radionuclide Production Cross Section 541.6 %



MAT 3531 (n, p)  $\alpha$ :32-Ge-77m1 35-Br-81  
 Radionuclide Production Cross Section 1800 d to 485.8 %



90 90 Incident Energy (eV) 35-Br-81