

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

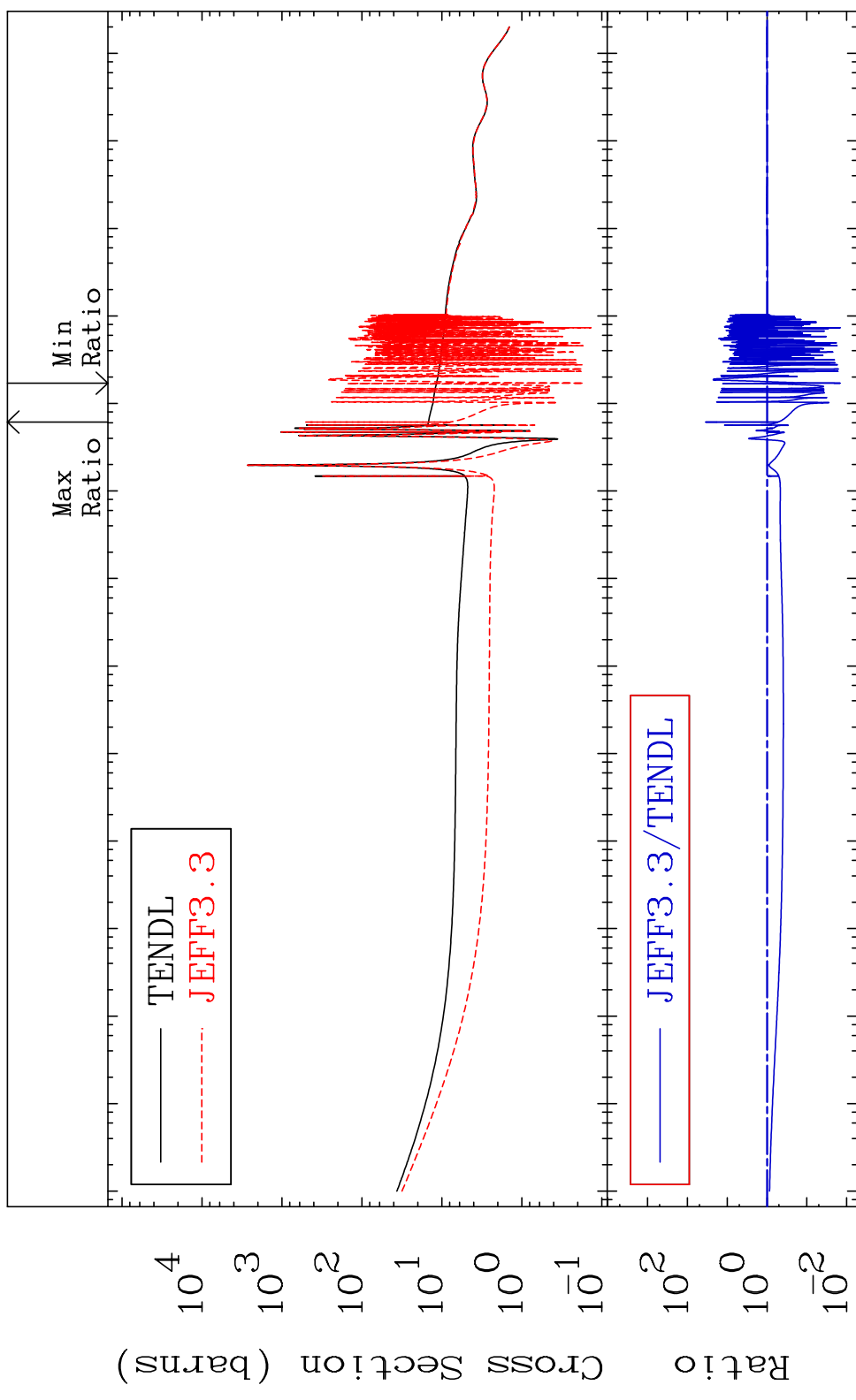
MAT 3443

Total

34-Se-80

Cross Section

-98.57 To 3351. %



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

1

Incident Energy (eV)

34-Se-80

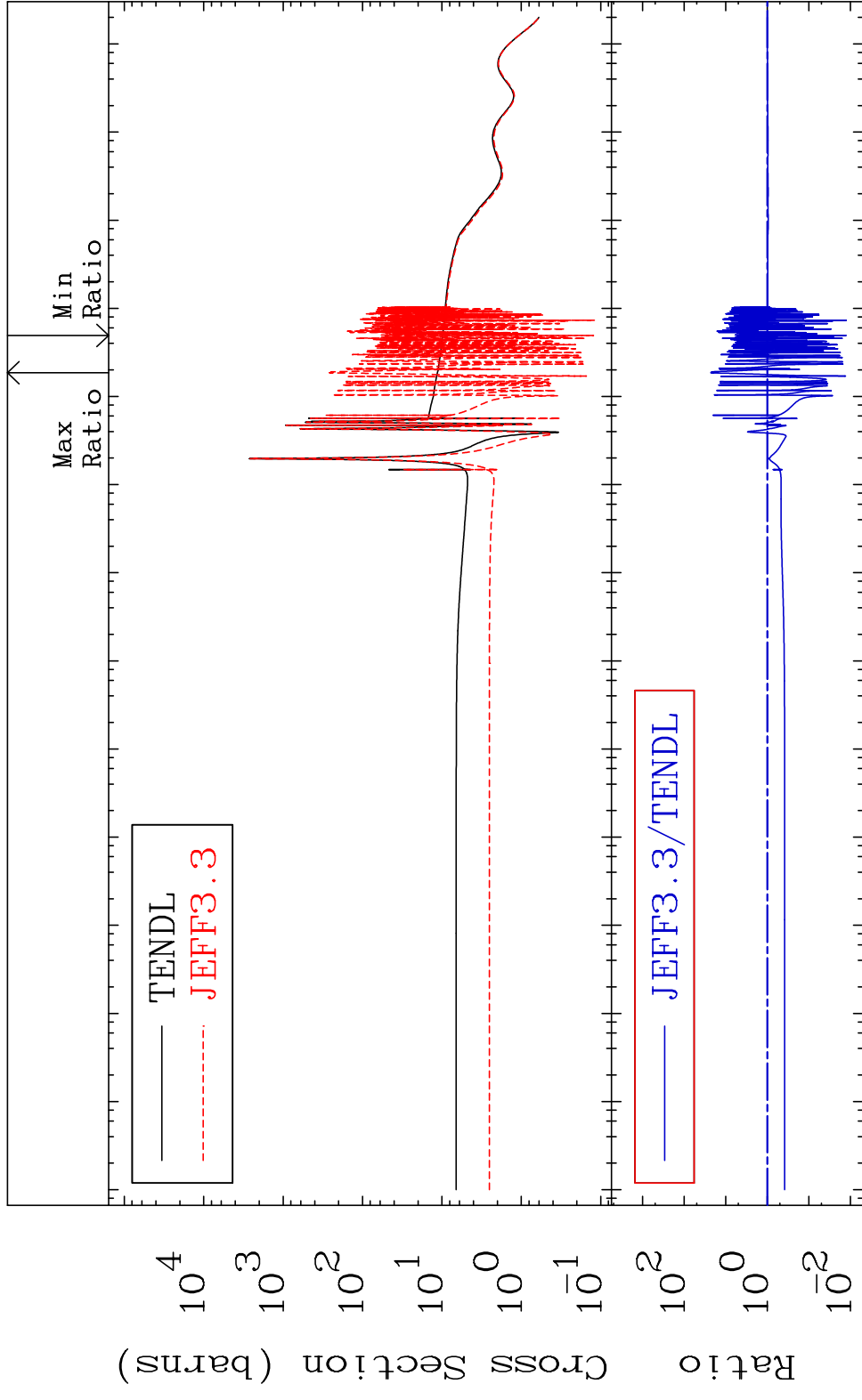
MAT 3443

Elastic

34-Se-80

Cross Section

-98.75 To 2195. %



2

Incident Energy (eV)

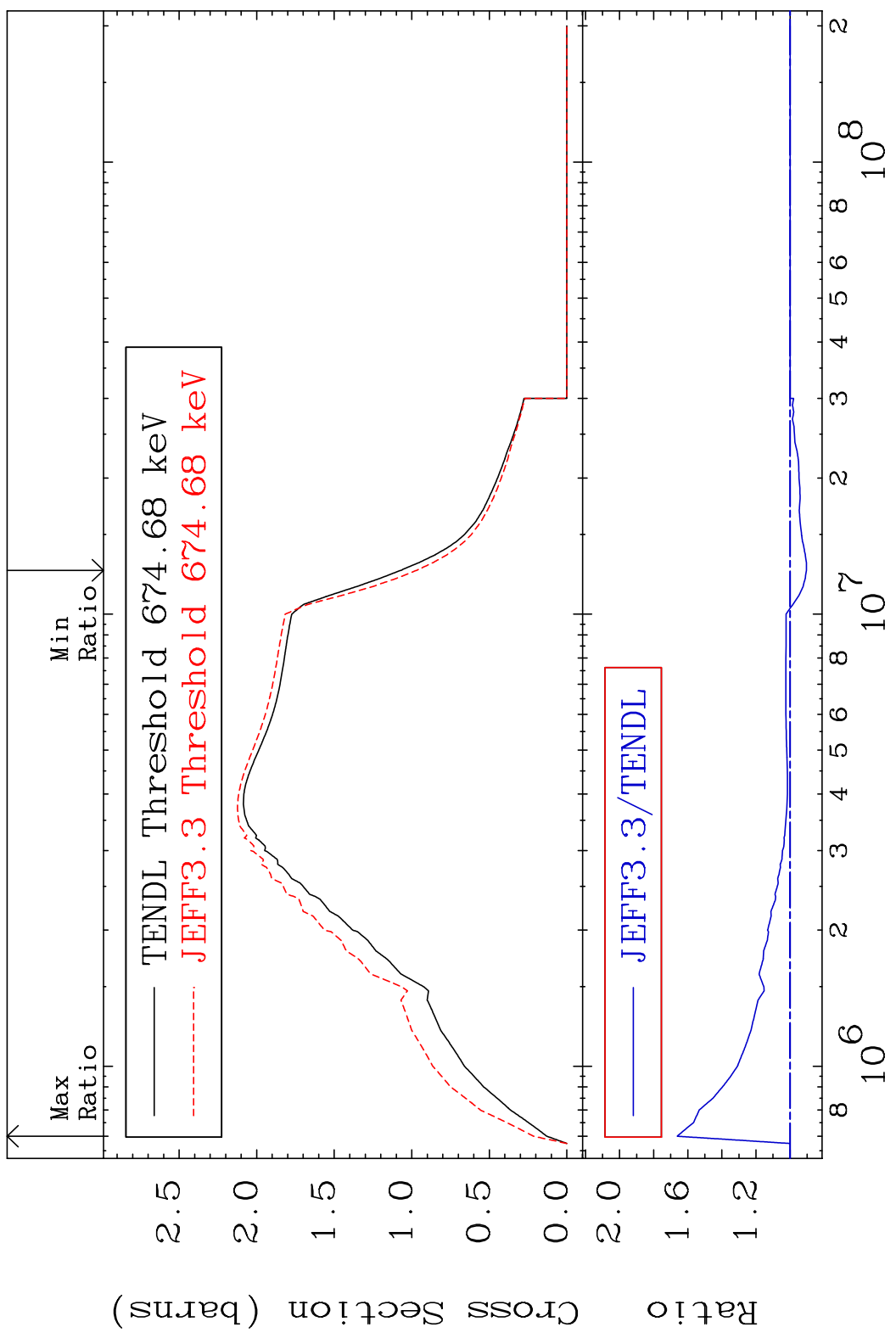
34-Se-80

MAT 3443

Inelastic

34-Se-80

Cross Section -9.548 To 66.22 %

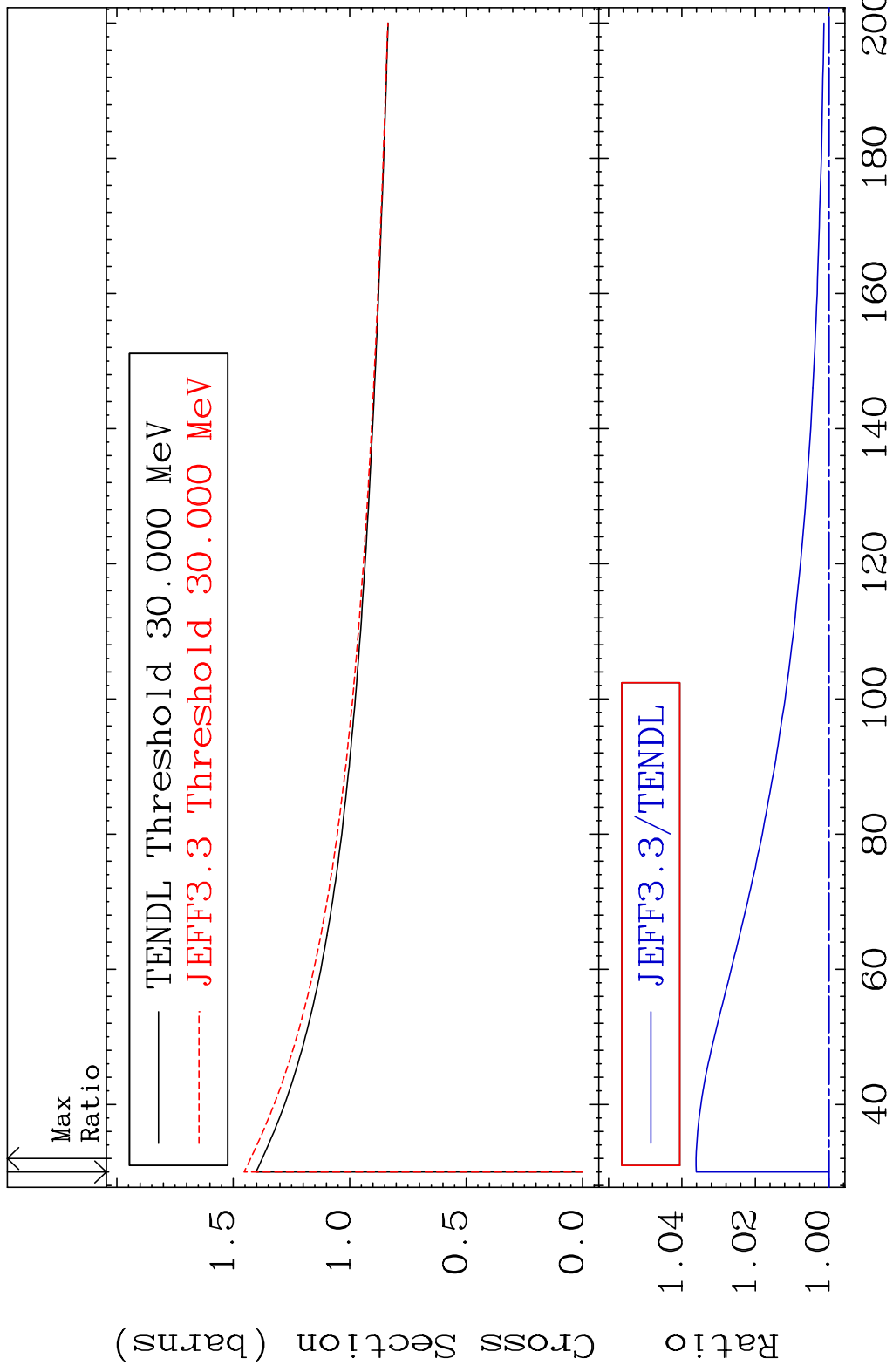


3

Incident Energy (eV)

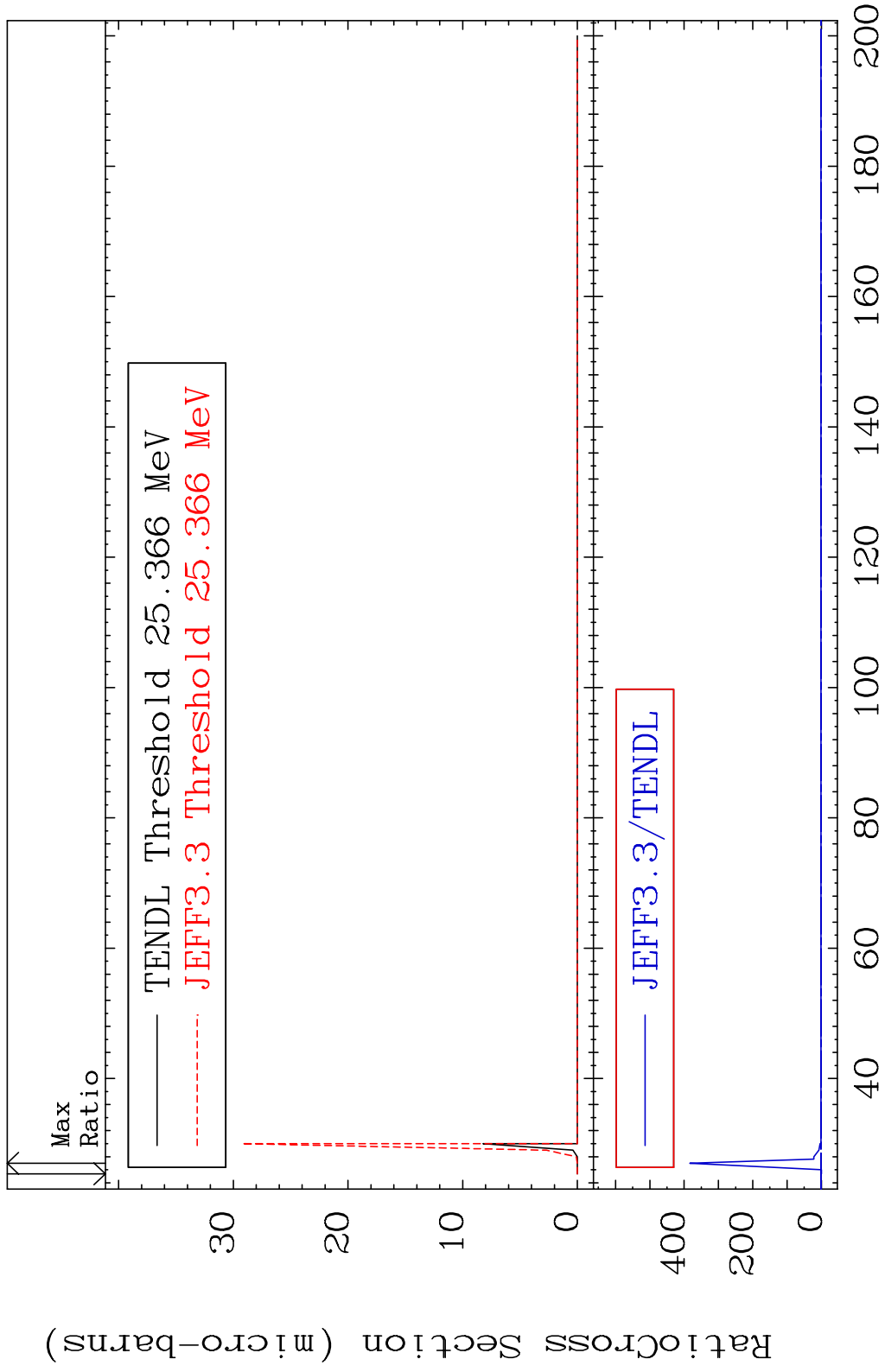
34-Se-80

MAT 3443 (n, remainder) 34-Se-80  
 Cross Section 0.000 To 3.617 %



4 Incident Energy (MeV) 34-Se-80

MAT 3443 (n,2n) d 34-Se-80  
 Cross Section -100.0 To 9999. %

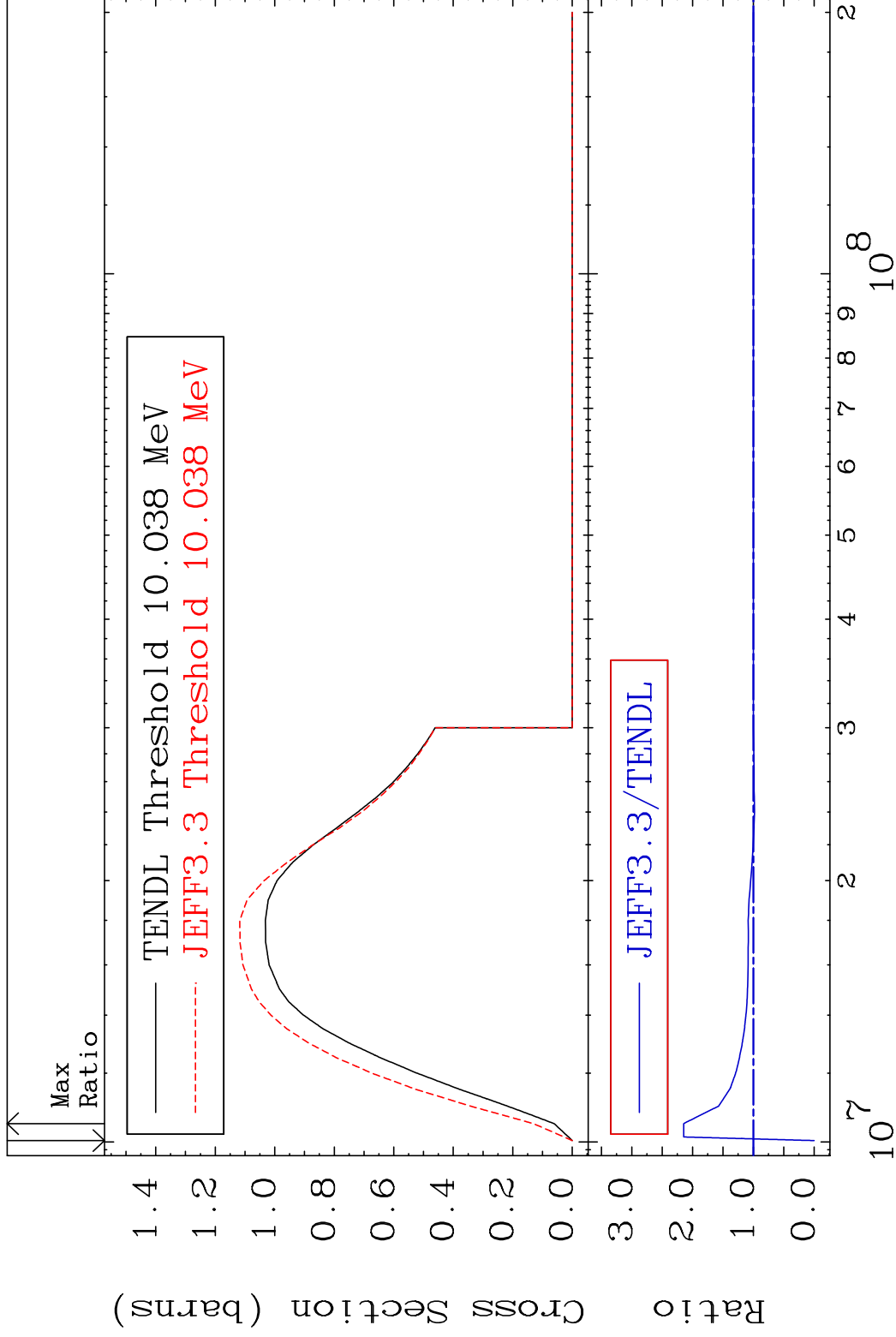


MAT 3443

(n,2n)

<sup>34</sup>Se-80

Cross Section -100.0 To 114.6 %



6

Incident Energy (eV)

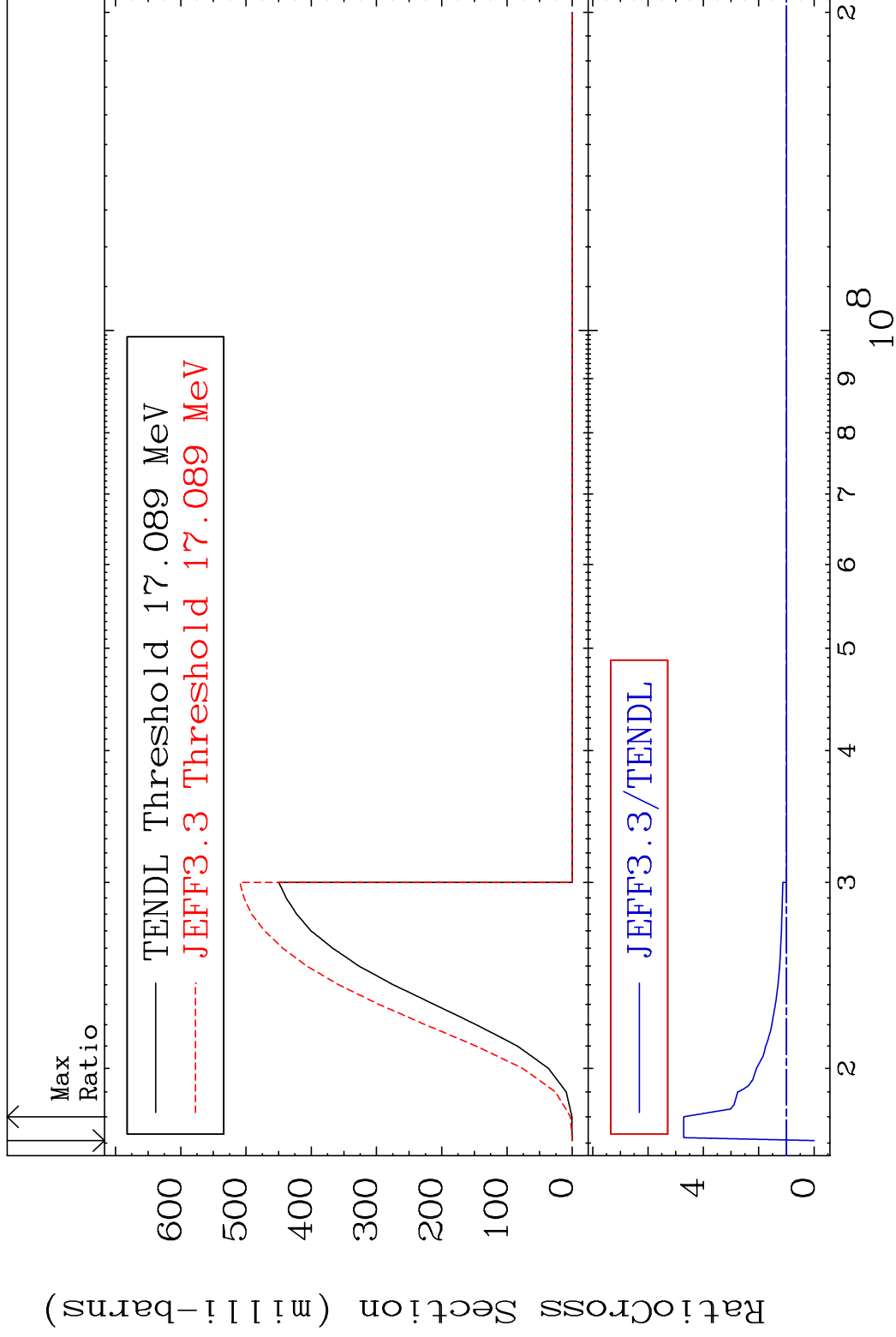
<sup>34</sup>Se-80

MAT 3443

(n,3n)

<sup>34</sup>Se-80

Cross Section -100.0 To 371.3 %



7

Incident Energy (eV)

<sup>34</sup>Se-80

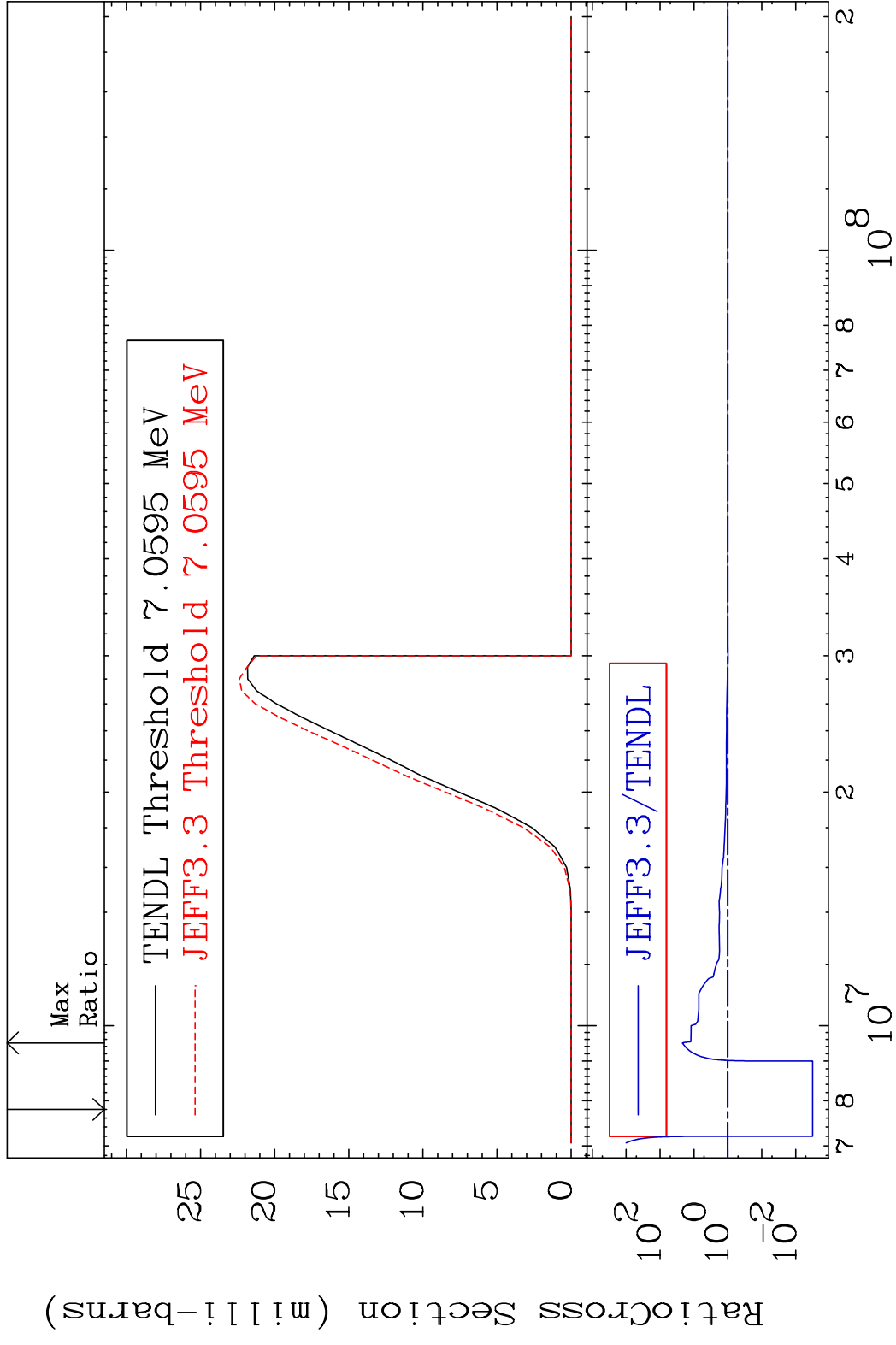


MAT 3443

(n, n')  $\alpha$

34-Se-80

Cross Section -99.68 To 2094. %



8

Incident Energy (eV)

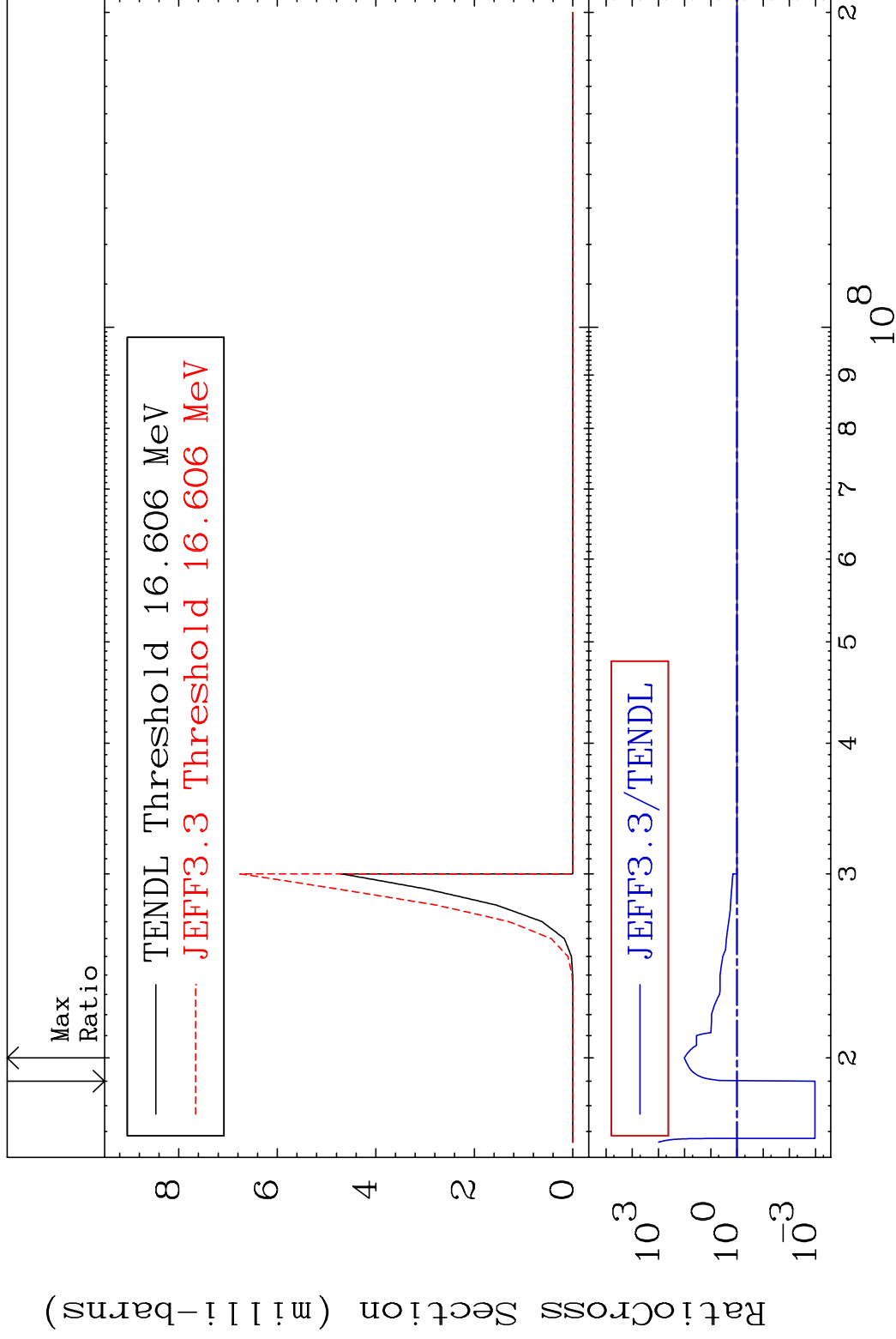
34-Se-80

MAT 3443

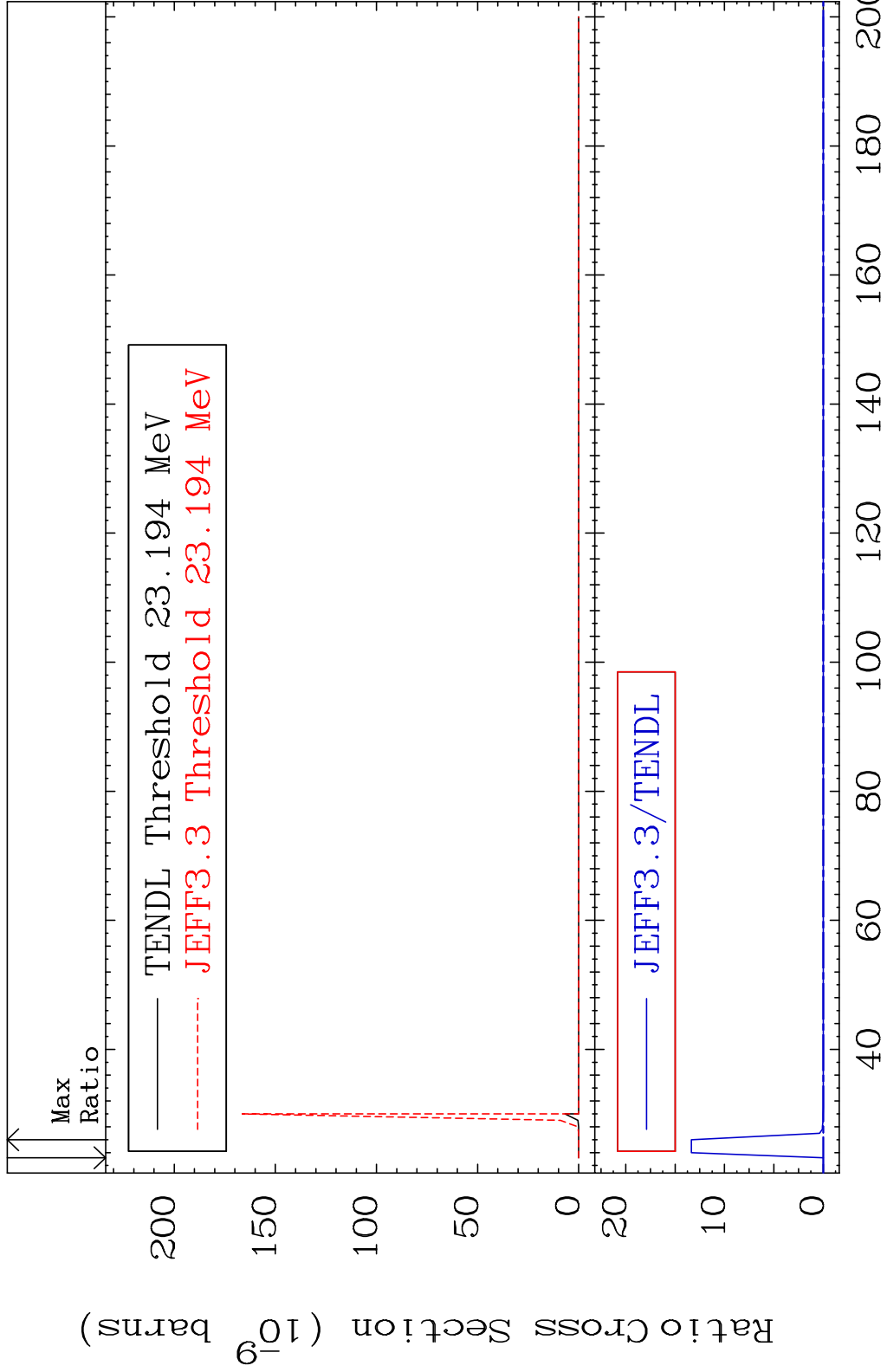
(n,2n)  $\alpha$

34-Se-80

Cross Section -99.89 To 9999. %

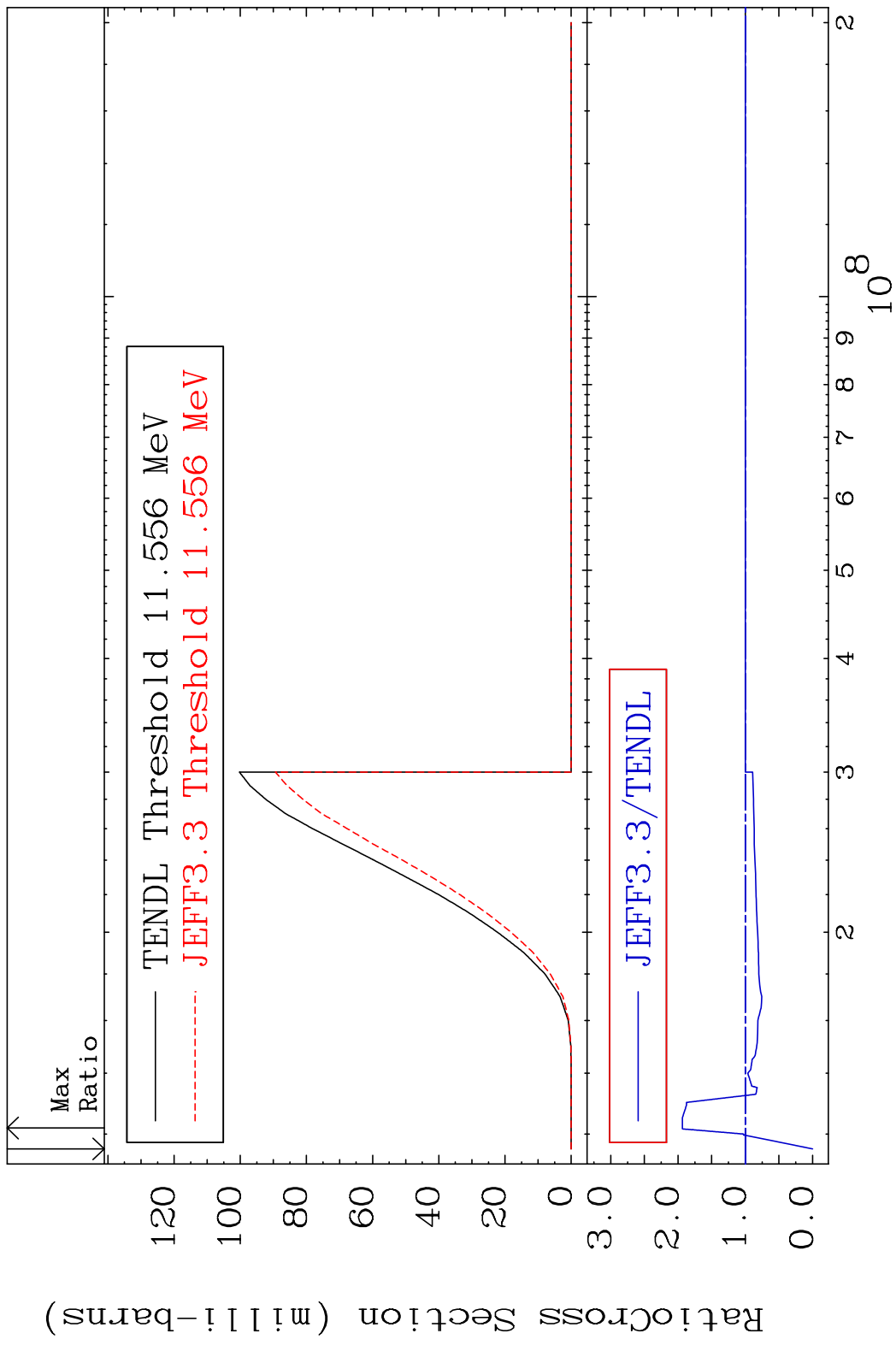


MAT 3443 (n,3n)  $\alpha$  34-Se-80  
 Cross Section -100.0 To 9999. %



10 Incident Energy (MeV) 34-Se-80

MAT 3443 (n, n') p 34-Se-80  
 Cross Section -100.0 To 93.57 %

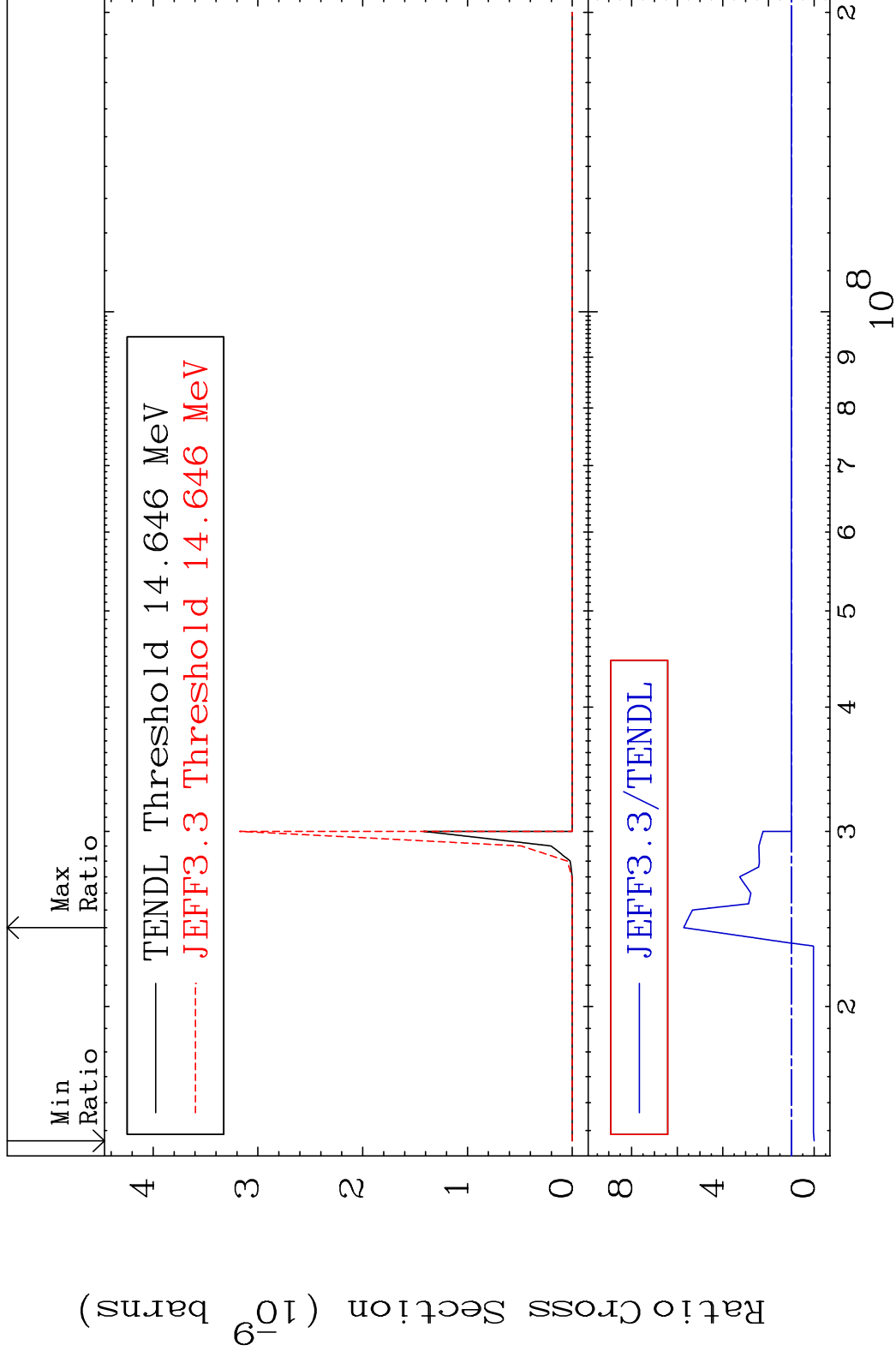


MAT 3443

(n, n') 2α

34-Se-80

Cross Section -100.0 To 471.7 %



12

Incident Energy (eV)

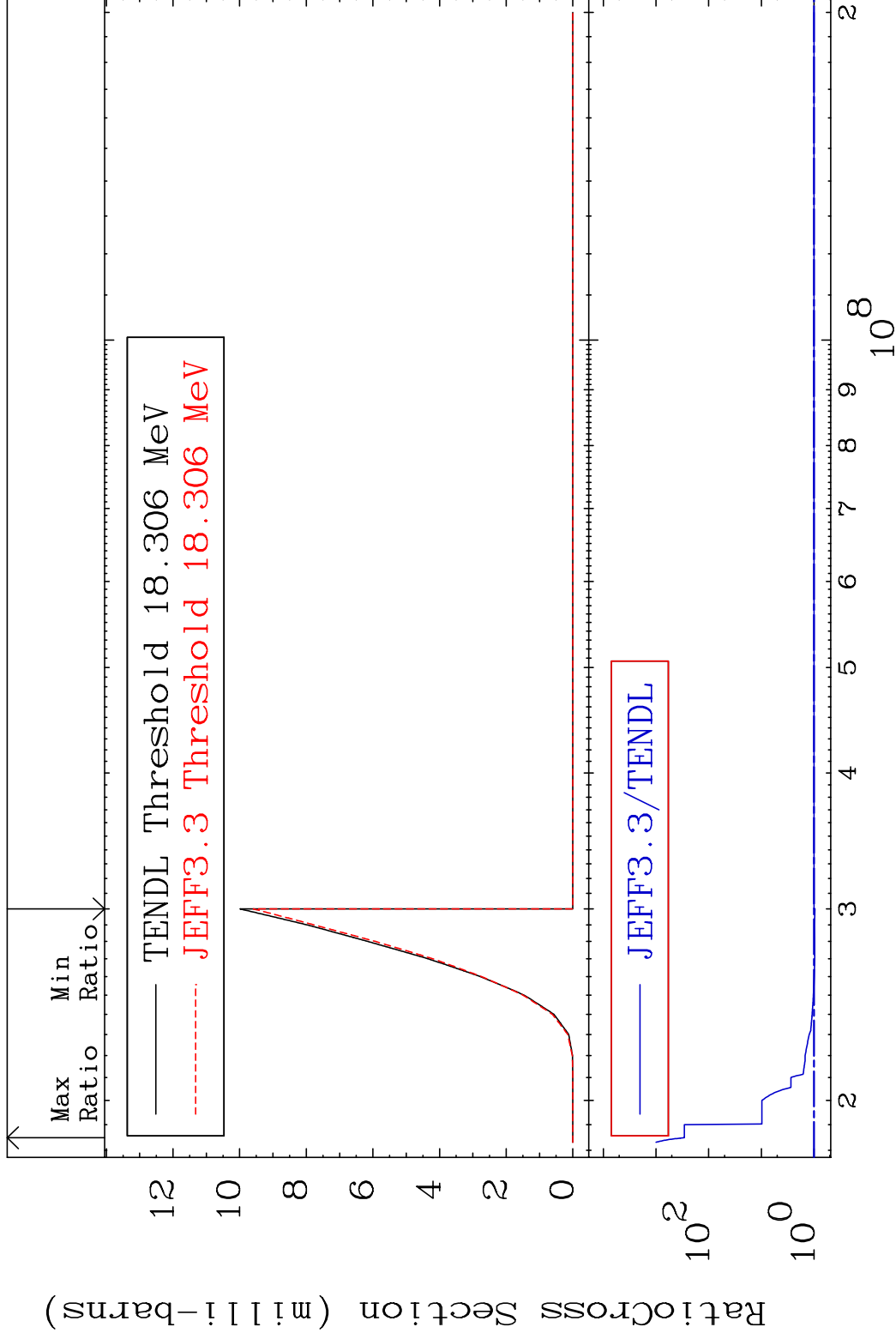
34-Se-80

MAT 3443

(n, n') d

34-Se-80

Cross Section -3.993 To 9999. %

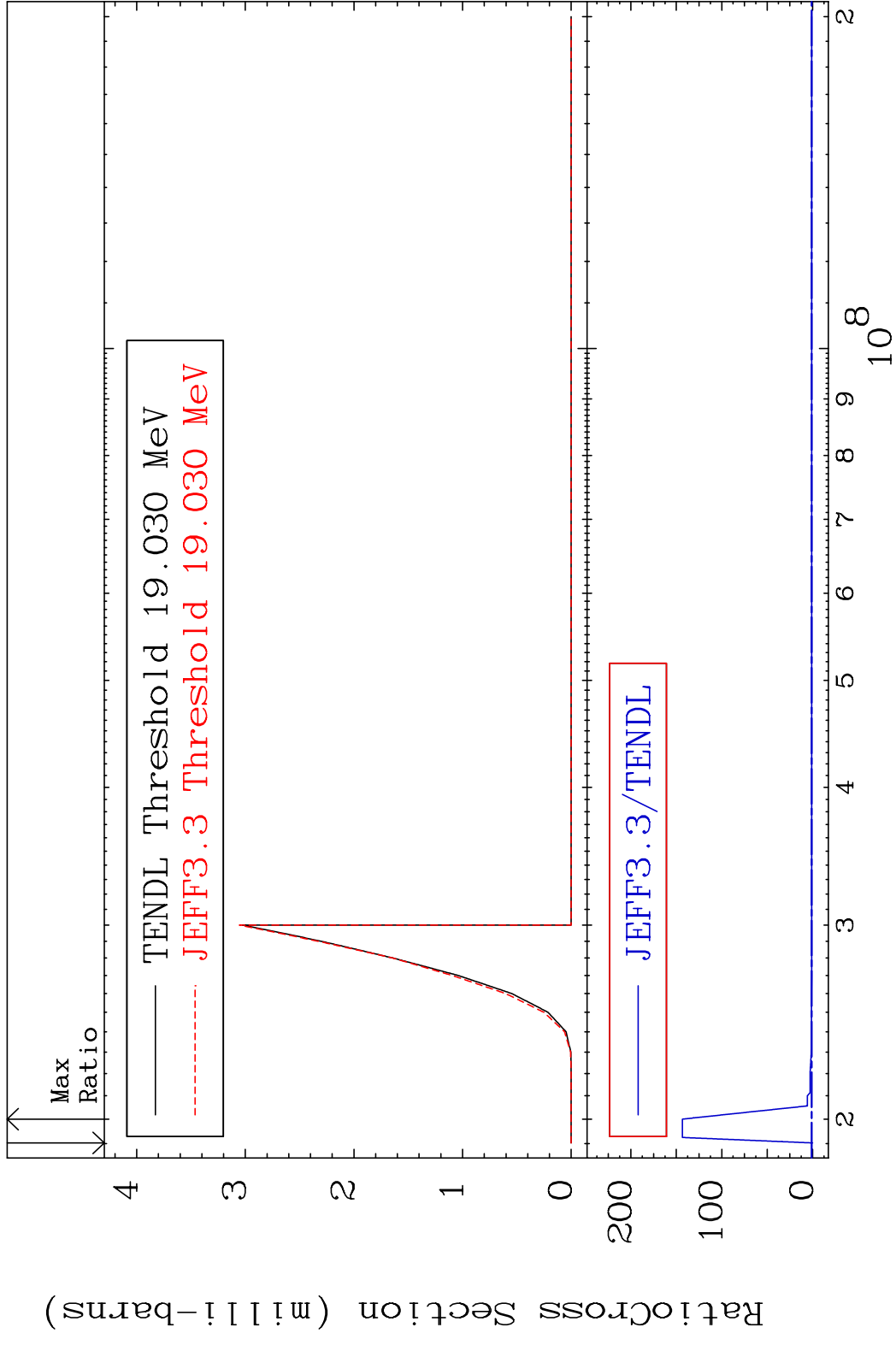


13

Incident Energy (eV)

34-Se-80

MAT 3443 (n, n') t 34-Se-80  
 Cross Section -100.0 To 9999. %

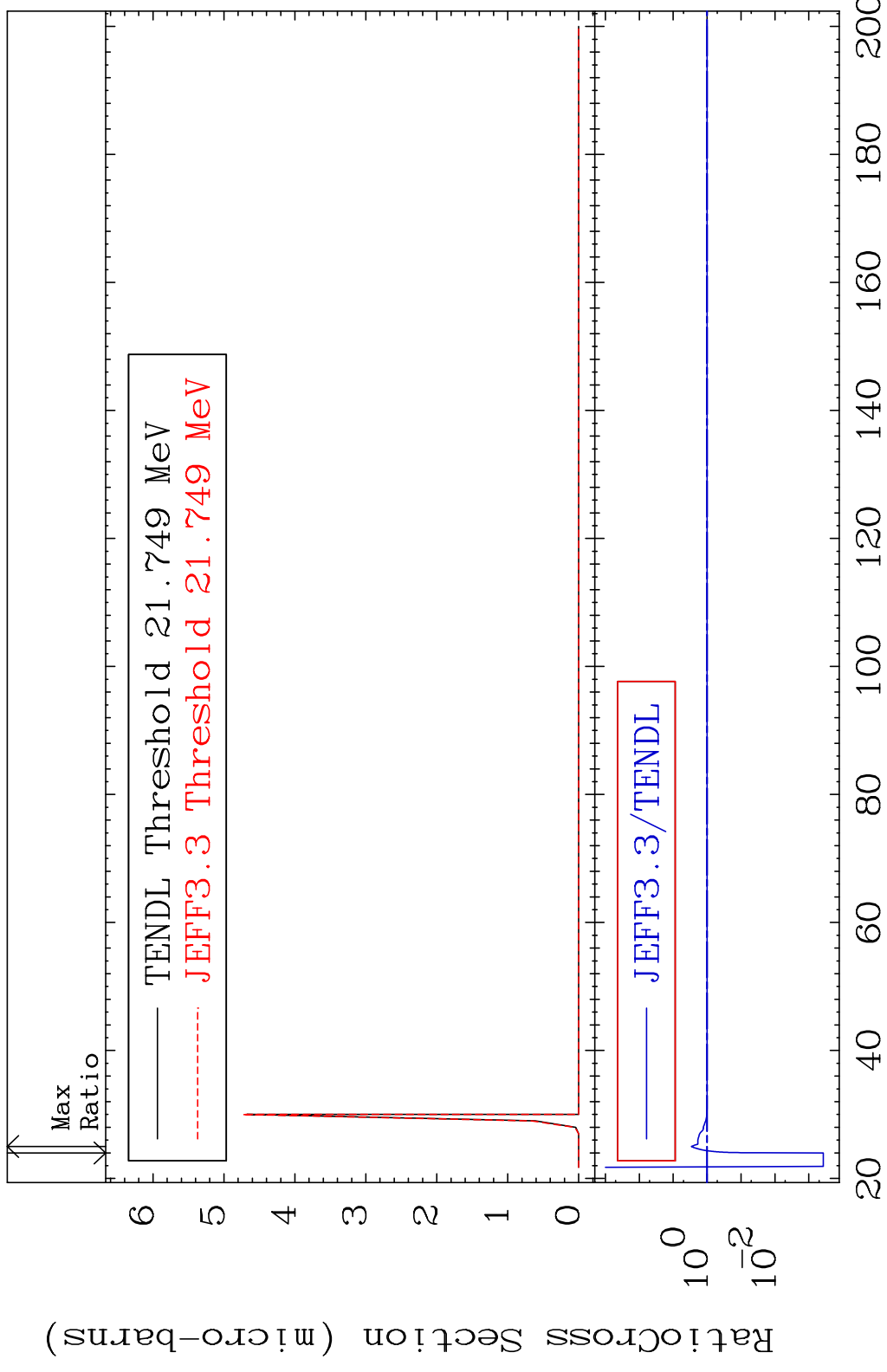


MAT 3443

(n,n') He-3

34-Se-80

Cross Section -99.96 To 191.8 %



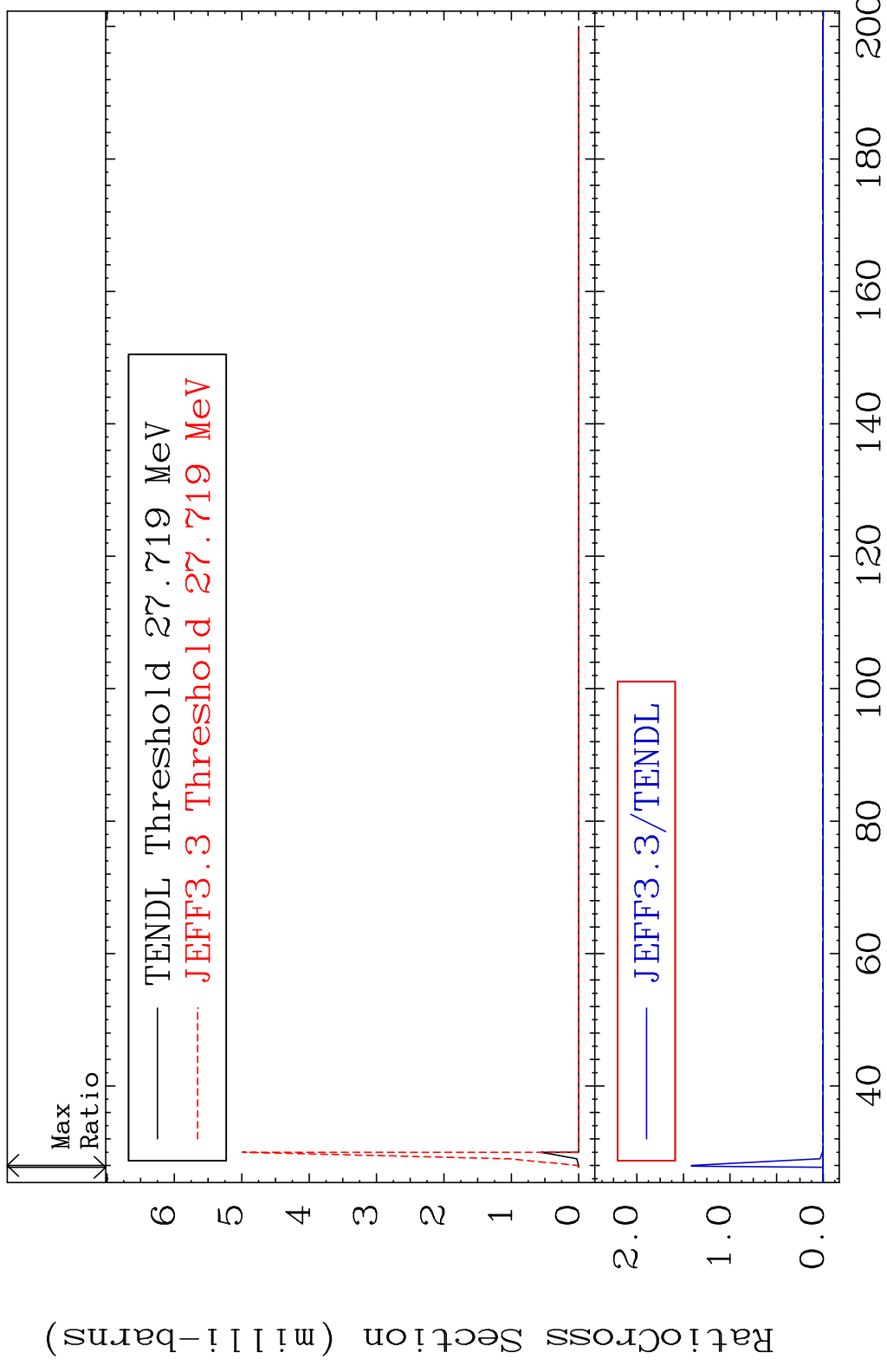


MAT 3443

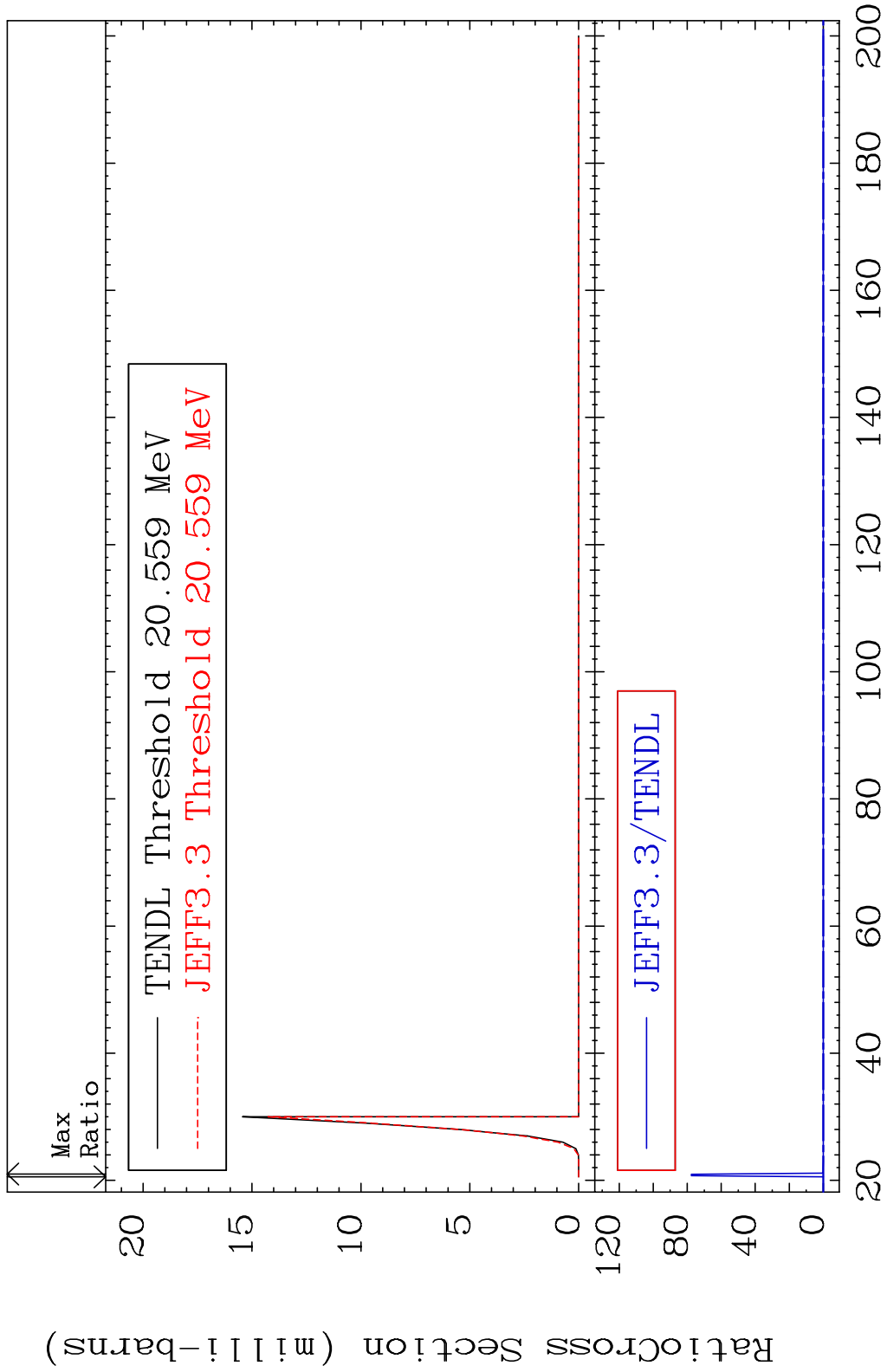
(n,4n)

34-Se-80

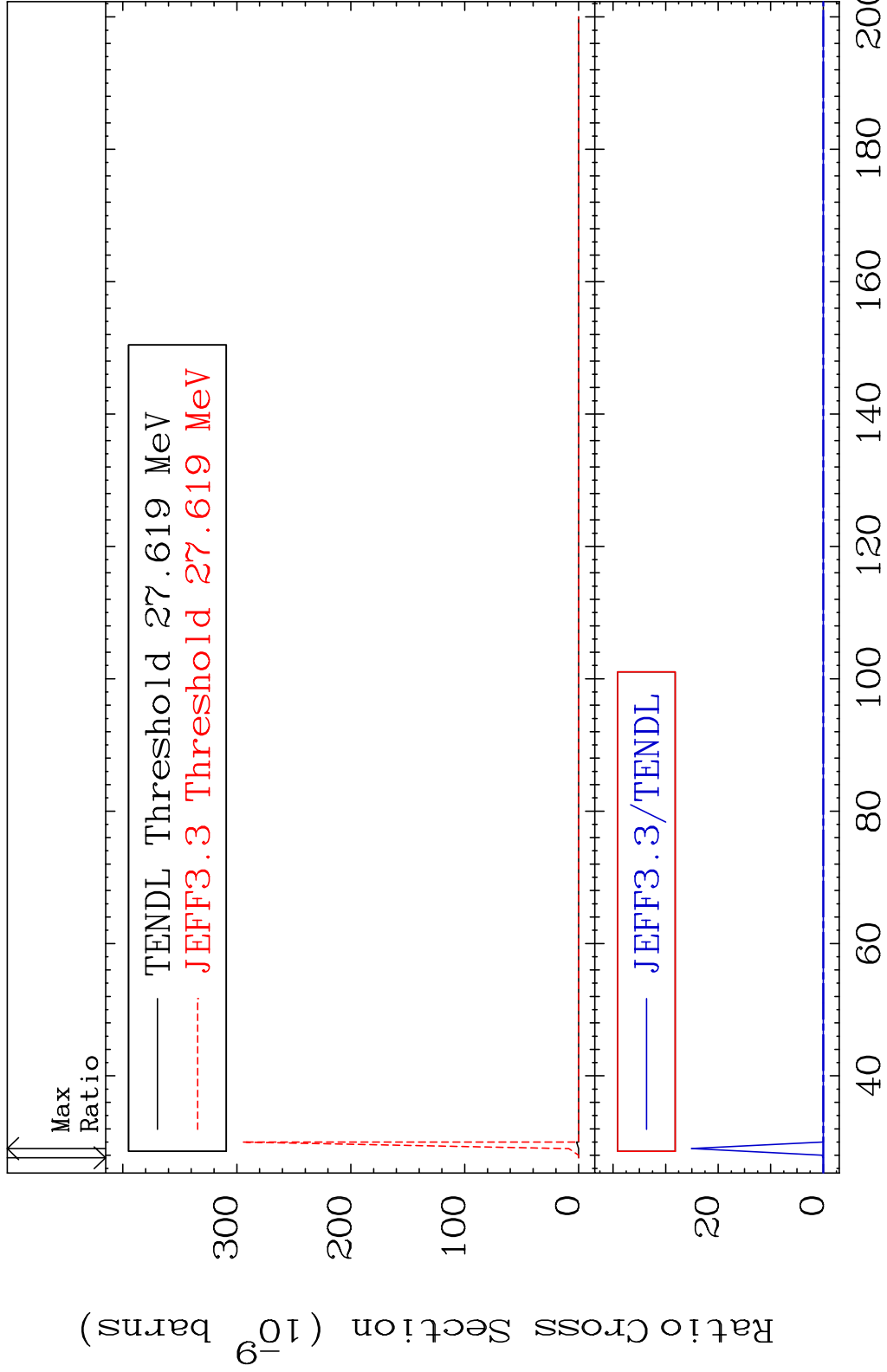
Cross Section -100.0 To 9999. %



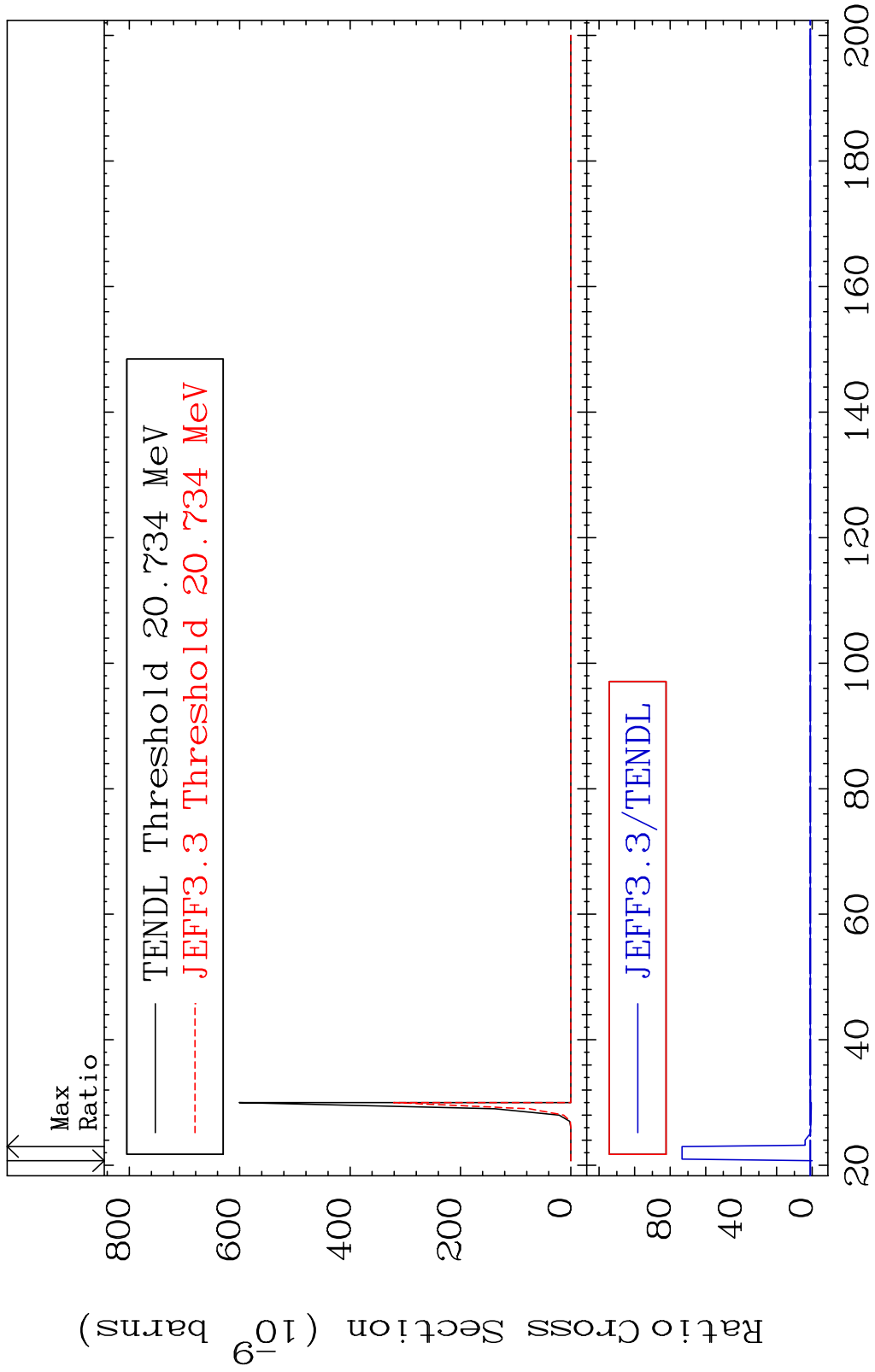
MAT 3443 (n,2n) p 34-Se-80  
 Cross Section -100.0 To 9999. %



MAT 3443 (n,3n) p 34-Se-80  
 Cross Section -100.0 To 9999. %



MAT 3443 (n,2n) p 34-Se-80  
 Cross Section -100.0 To 7233. %

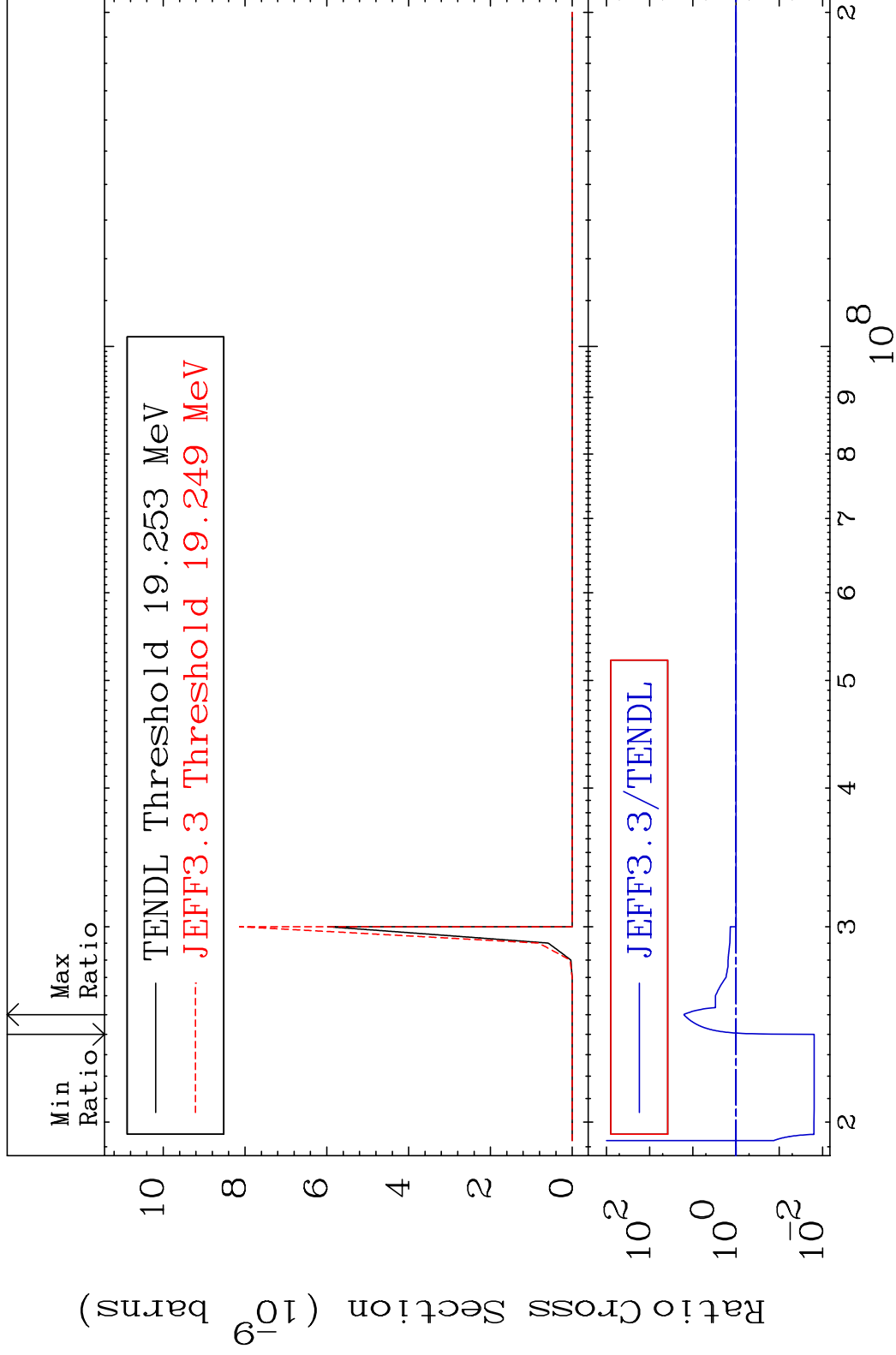


MAT 3443

(n,n') p  $\alpha$

34-Se-80

Cross Section -98.43 To 1529. %

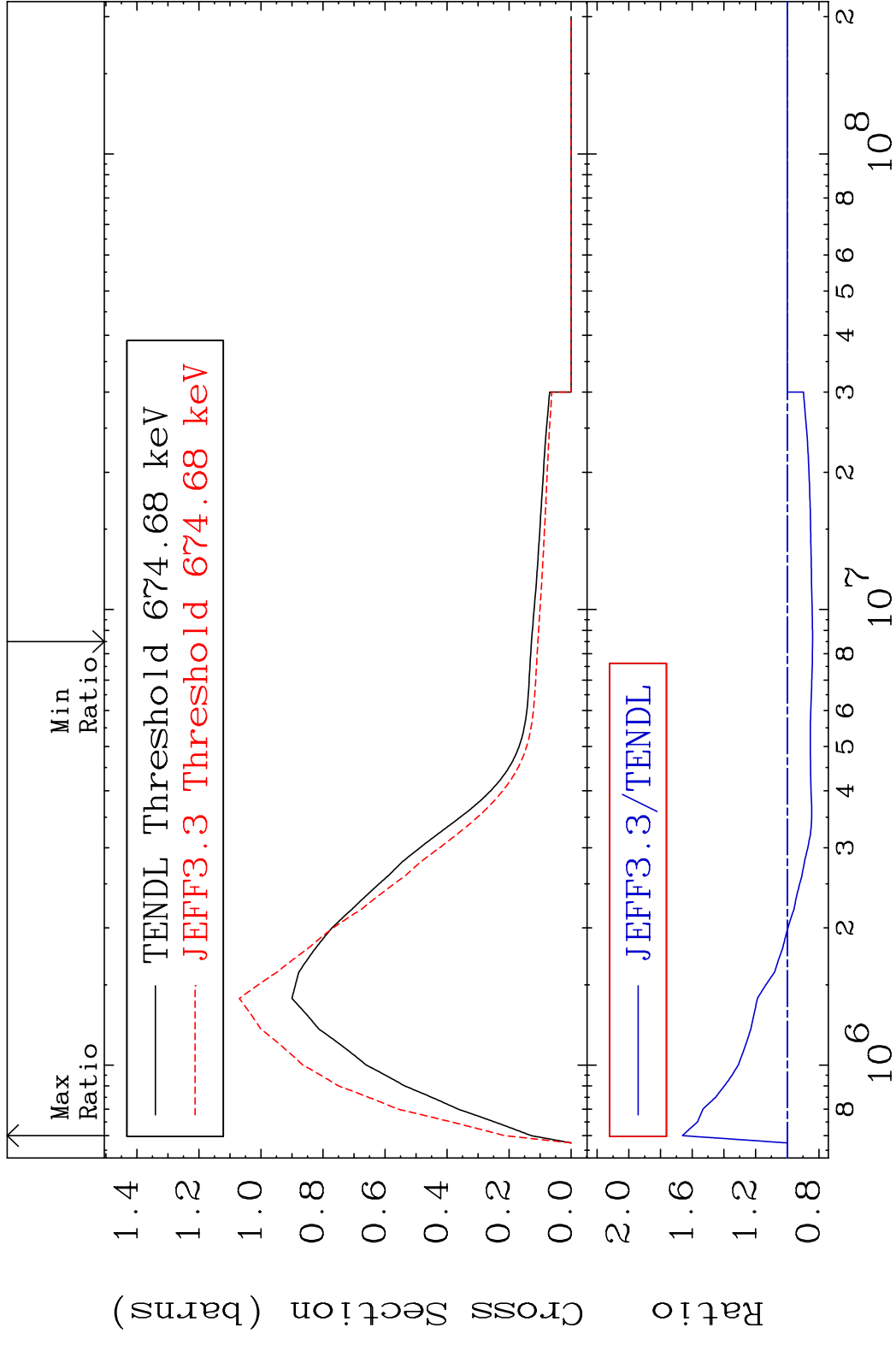


20

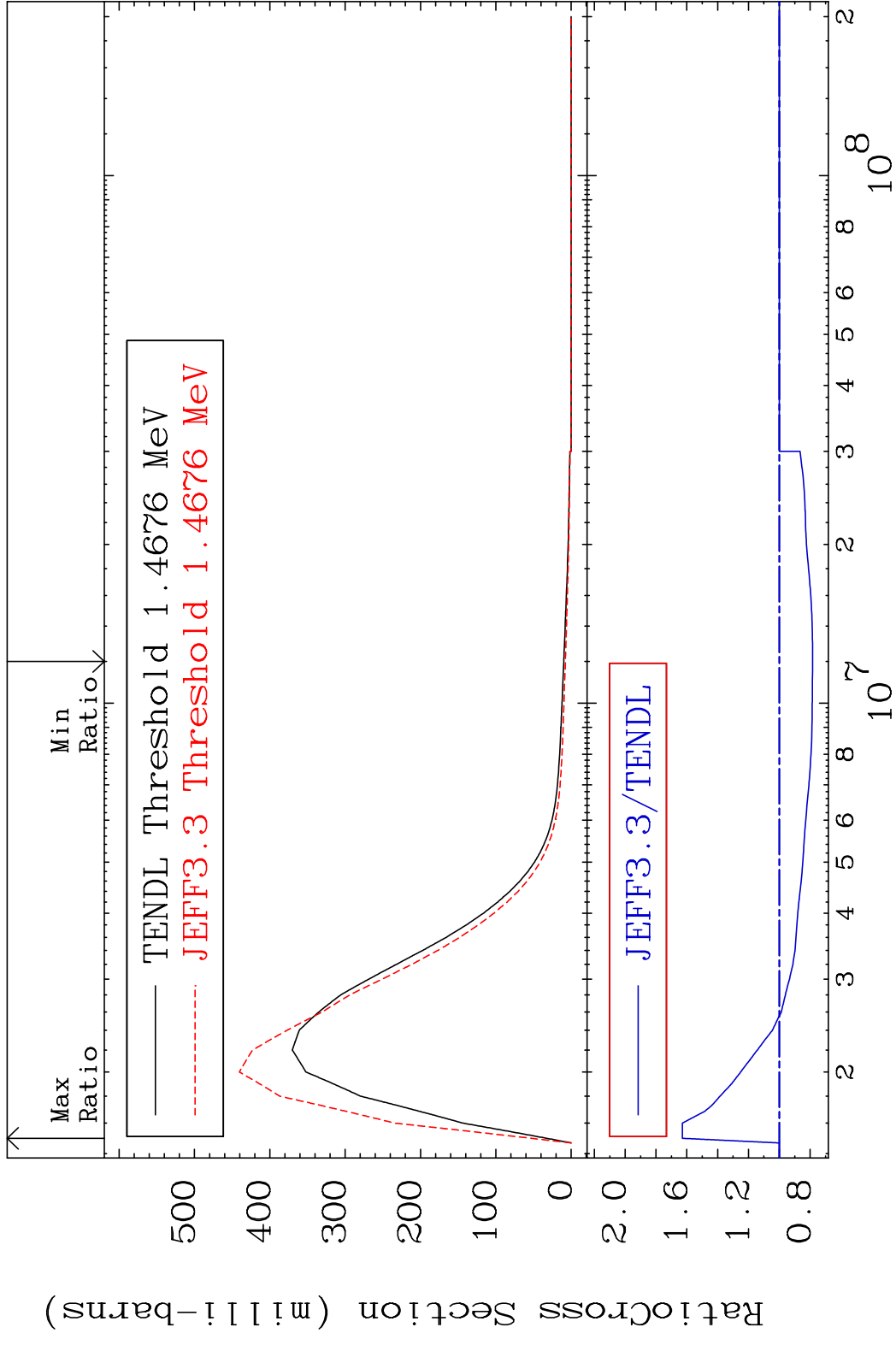
Incident Energy (eV)

34-Se-80

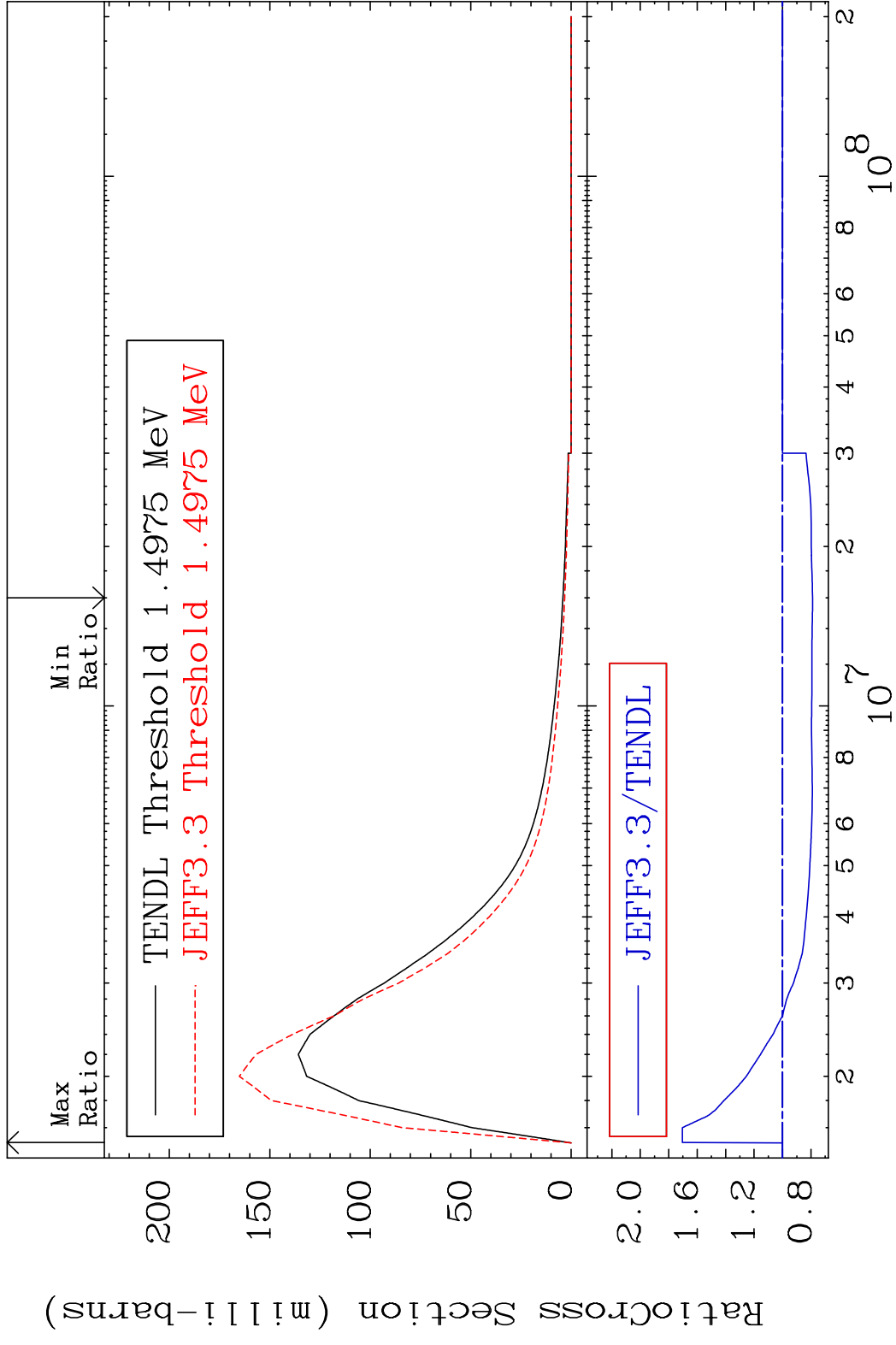
MAT 3443 MT= 51 (n,n') Level 34-Se-80  
 Cross Section -16.00 To 66.22 %



MAT 3443 MT= 52 (n, n') Level 34-Se-80  
 Cross Section -21.58 To 62.90 %

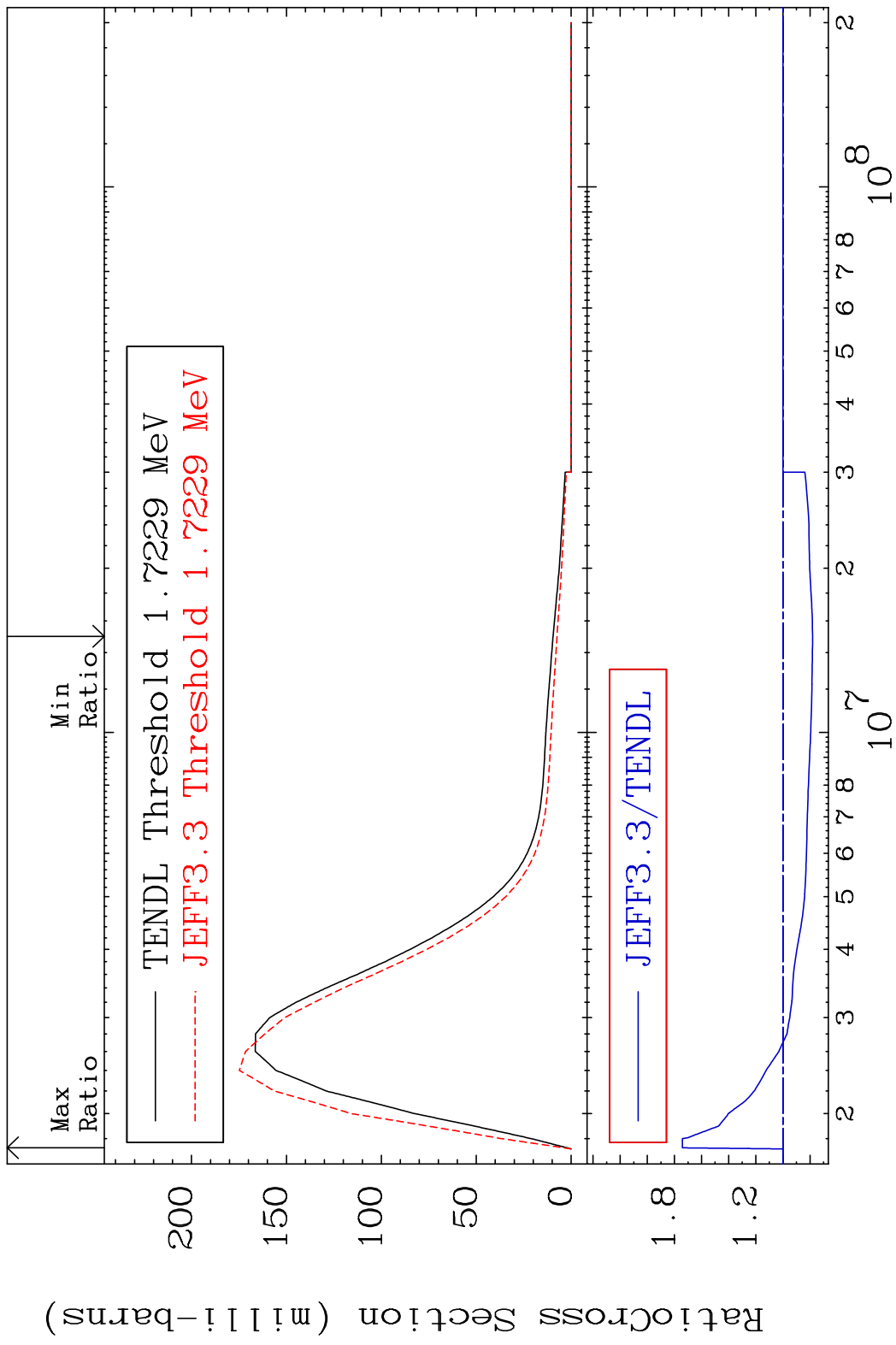


MAT 3443 MT= 53 (n, n') Level 34-Se-80  
 Cross Section -21.08 To 70.43 %

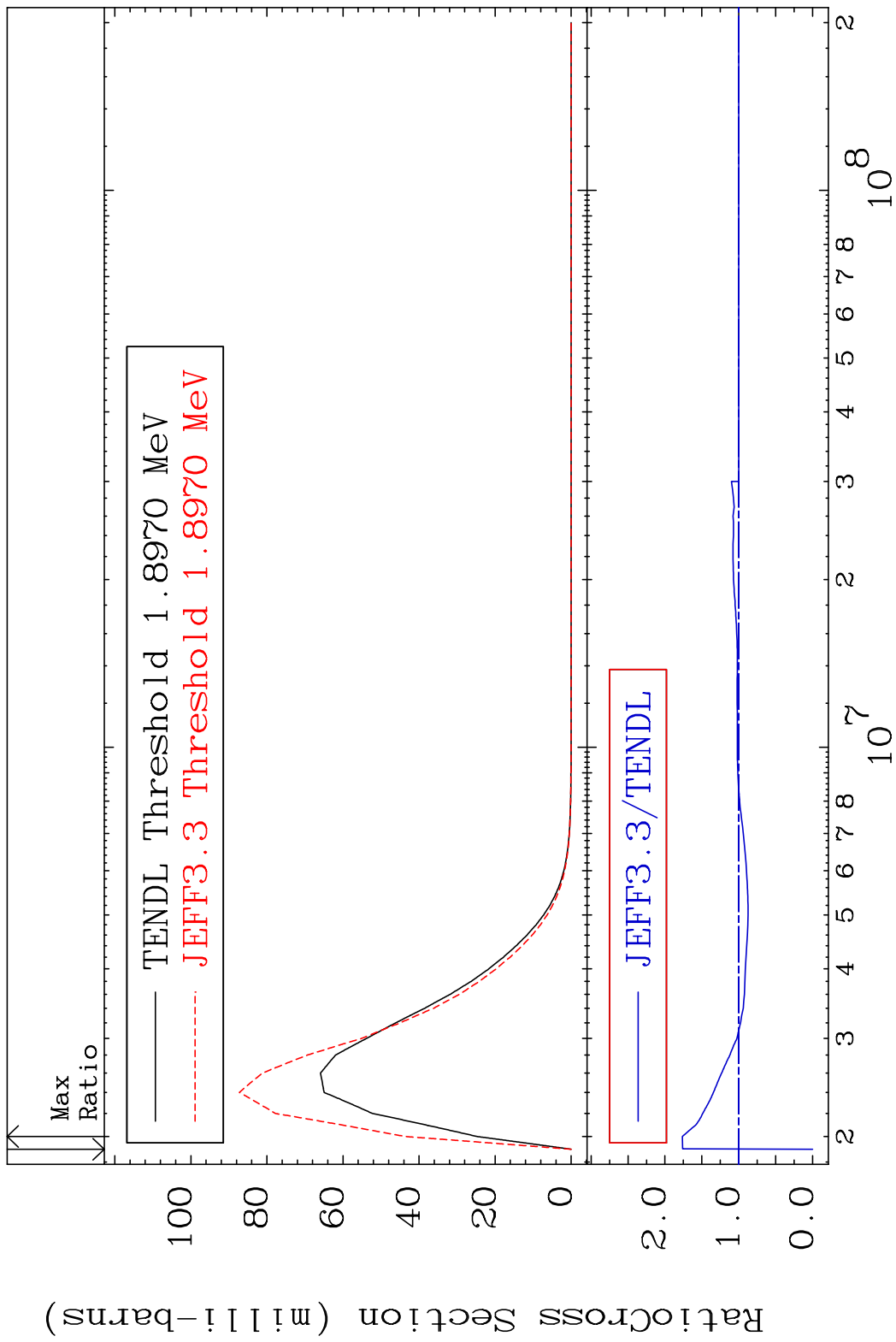




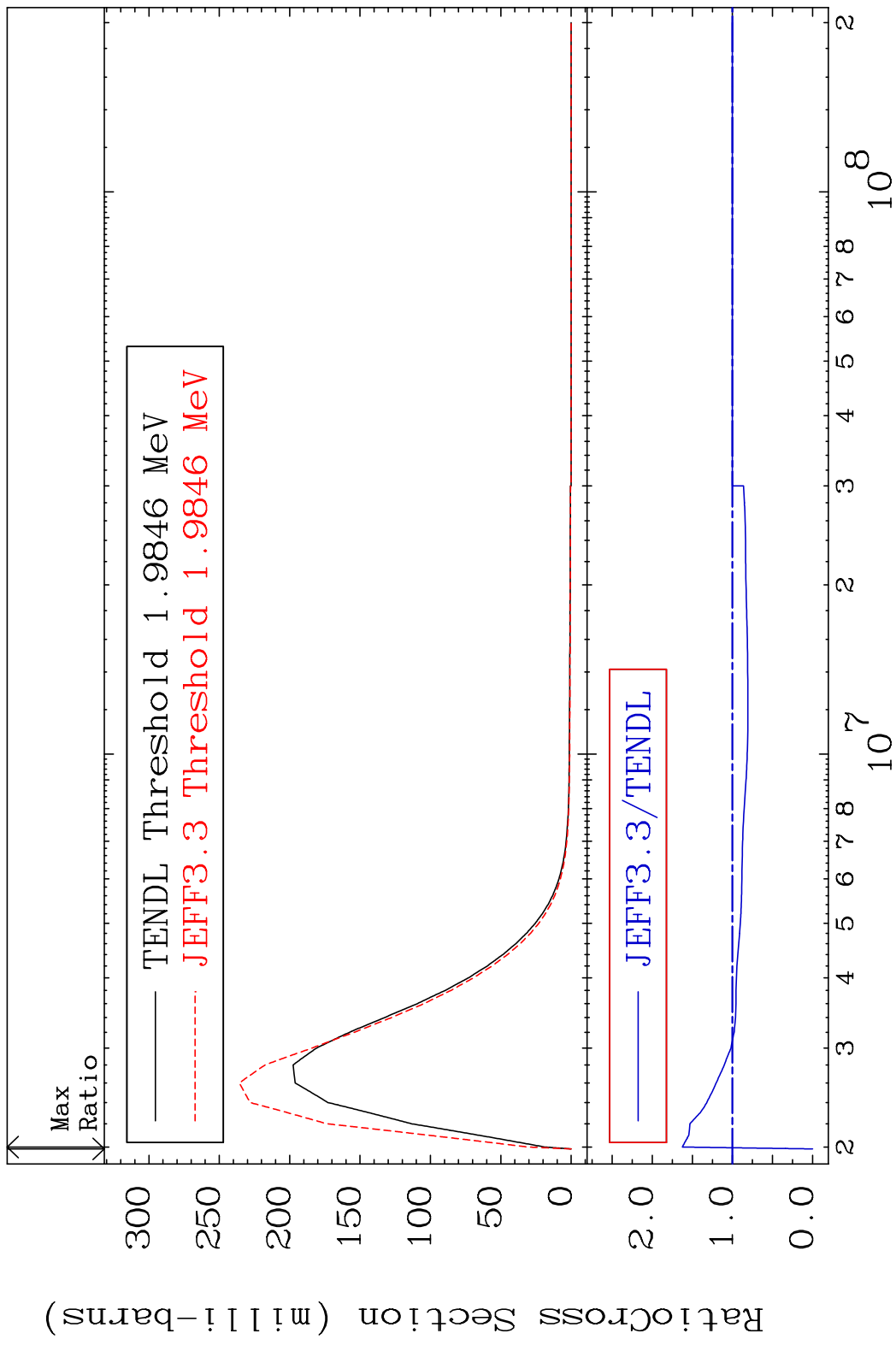
MAT 3443 MT= 54 (n, n') Level 34-Se-80  
 Cross Section -21.86 To 74.15 %



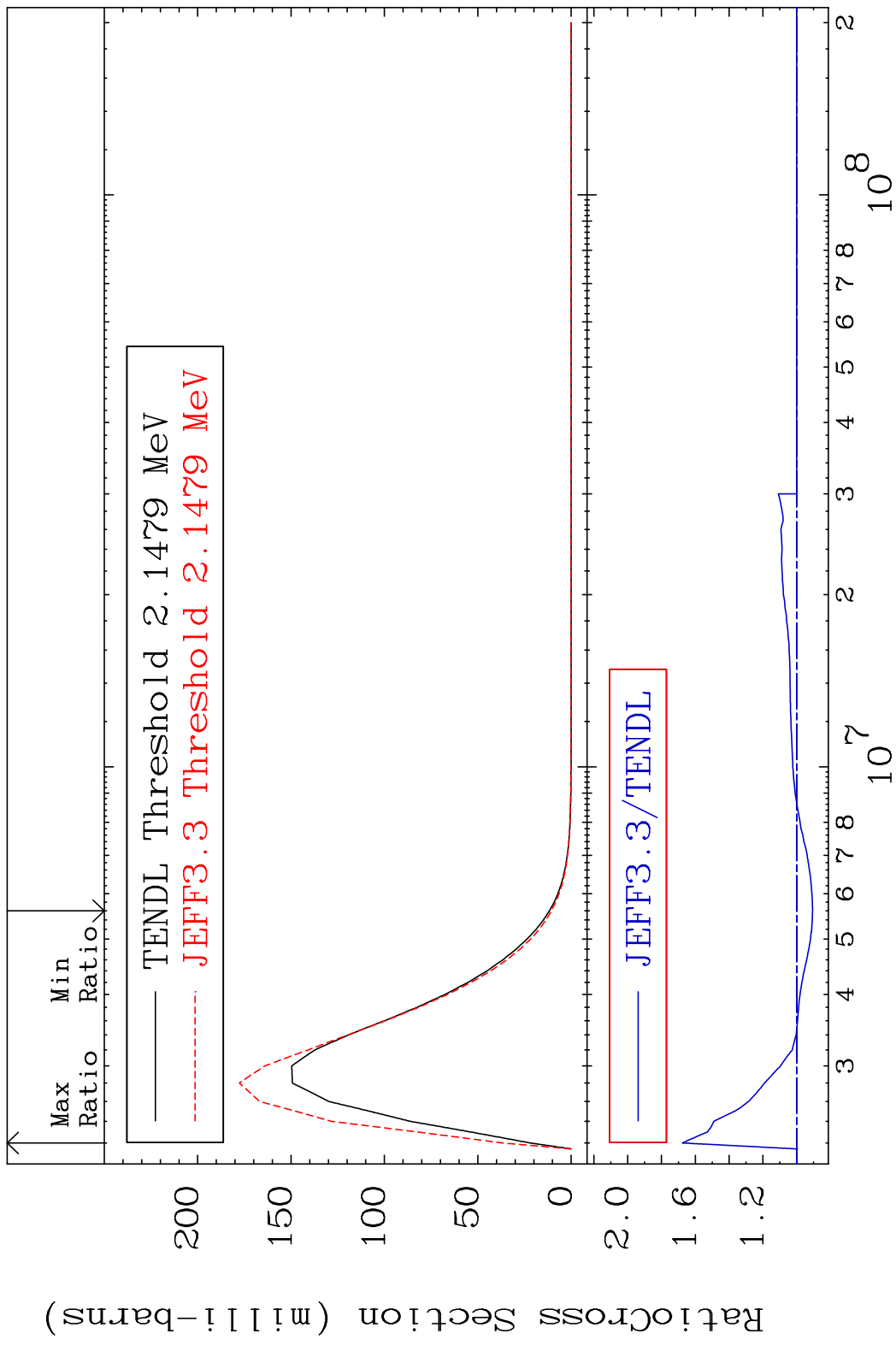
MAT 3443 MT= 55 (n,n') Level 34-Se-80  
 Cross Section -100.0 To 76.40 %



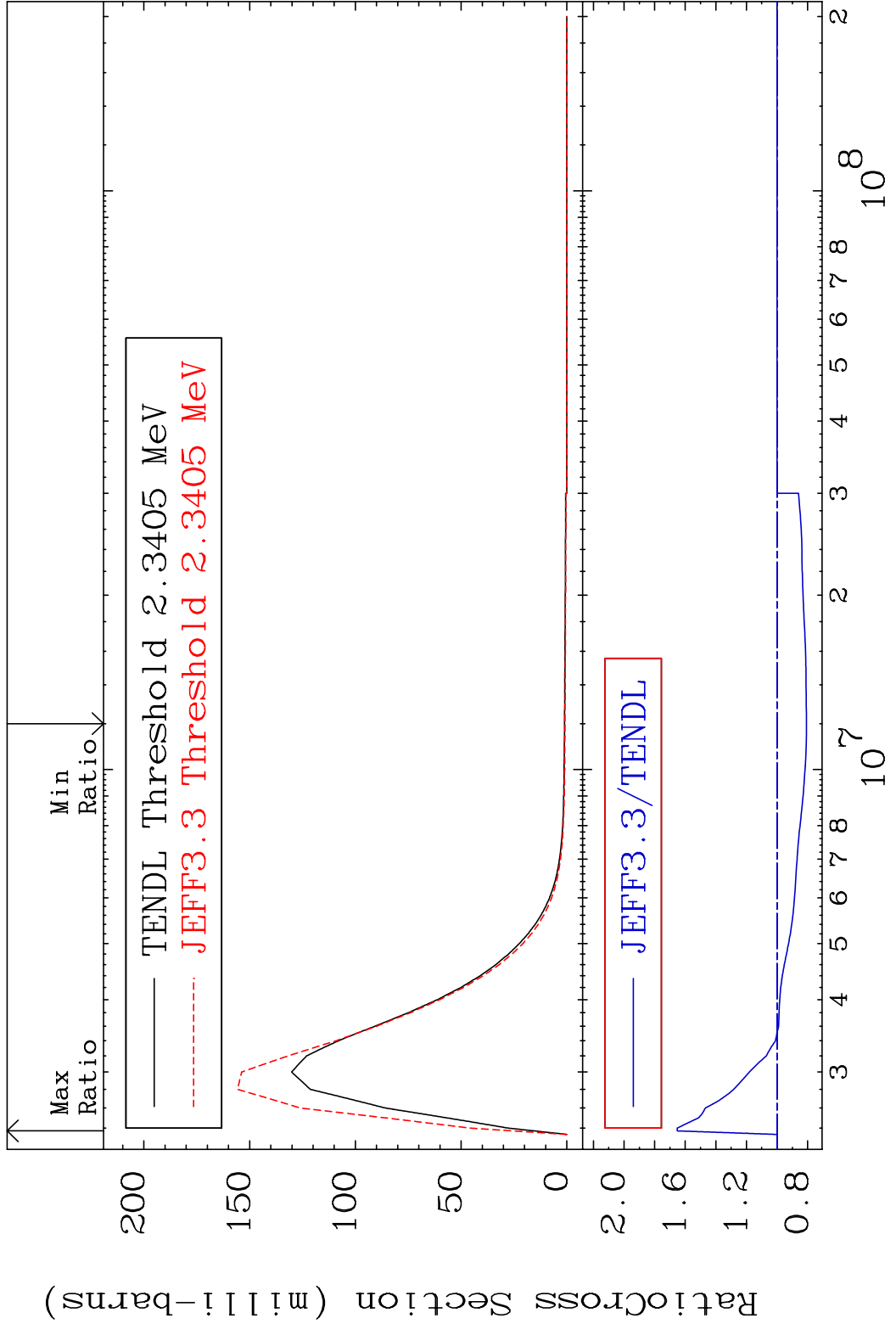
MAT 3443 MT= 56 (n,n') Level 34-Se-80  
 Cross Section -100.0 To 62.47 %



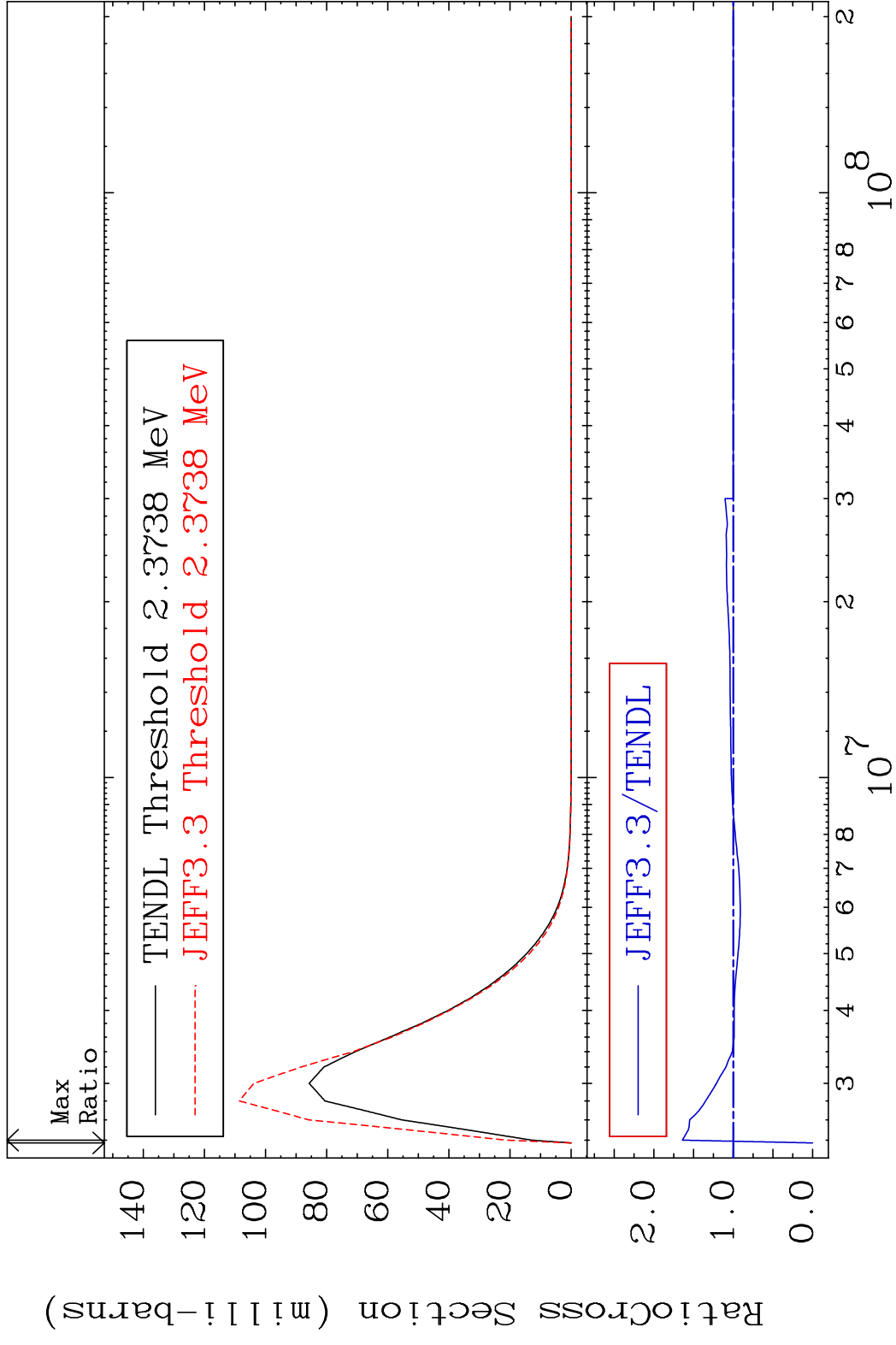
MAT 3443 MT= 57 (n, n') Level 34-Se-80  
 Cross Section -9.389 To 67.67 %



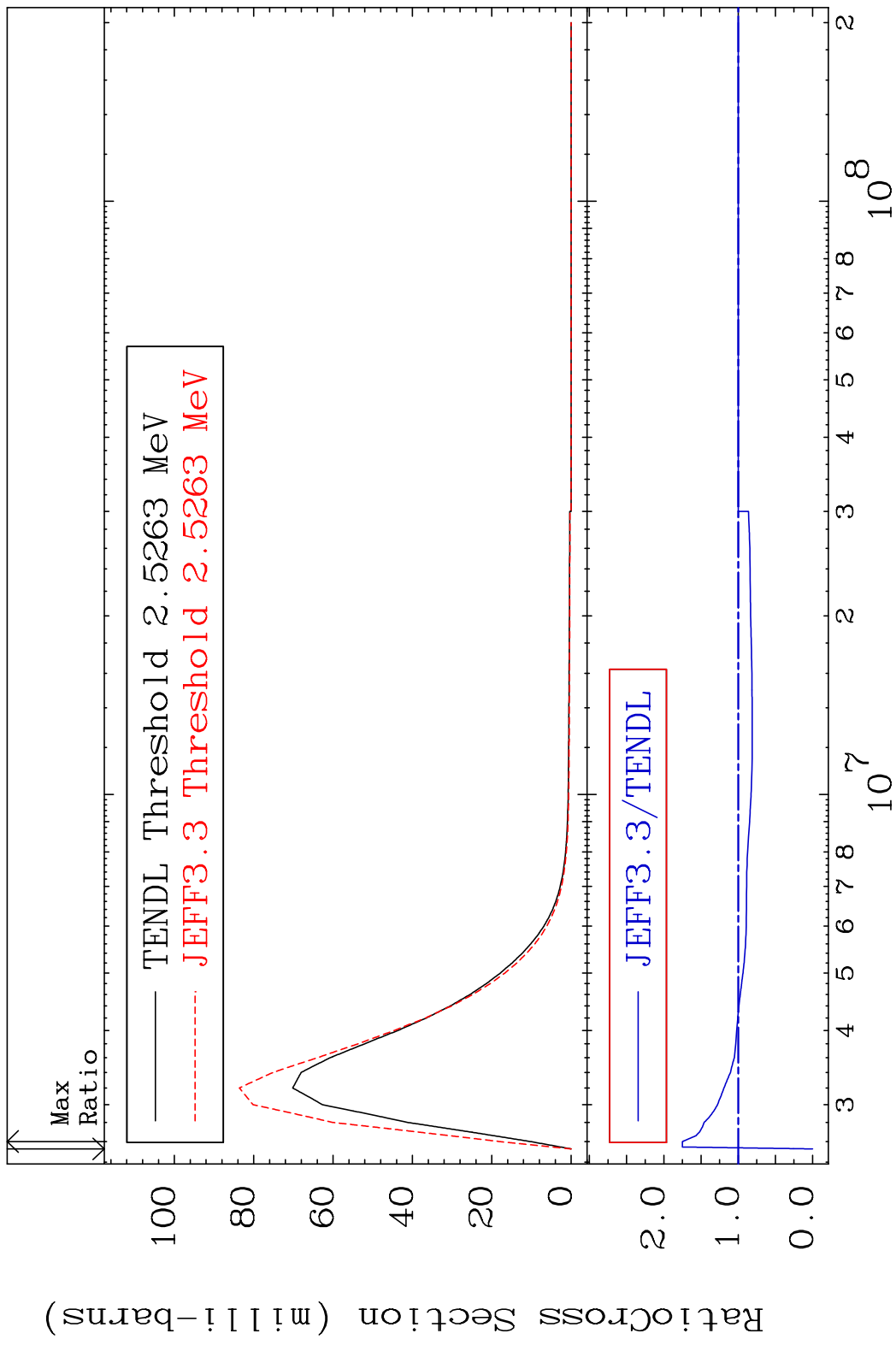
MAT 3443 MT= 58 (n, n') Level 34-Se-80  
 Cross Section -19.19 To 65.26 %



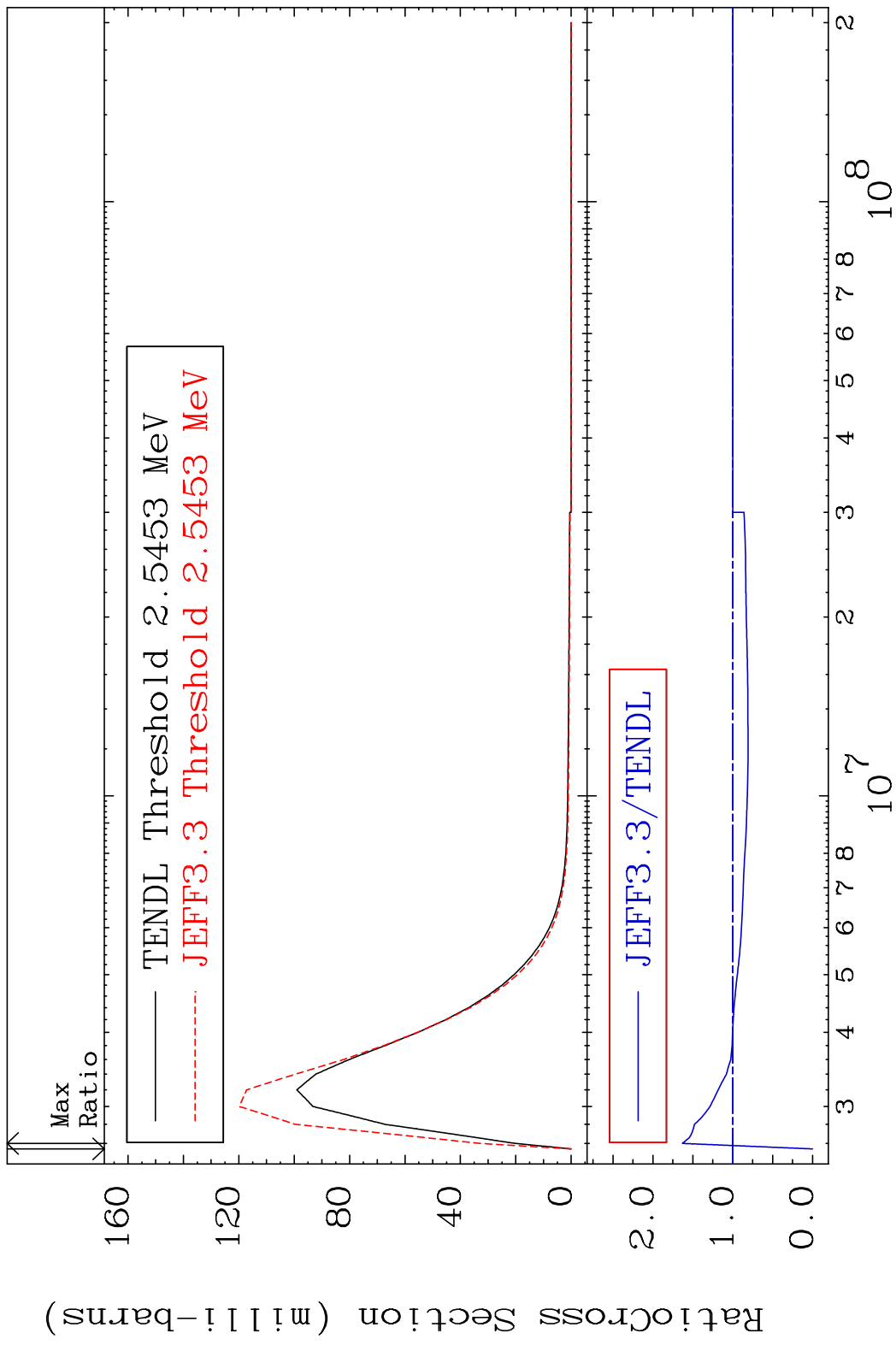
MAT 3443 MT= 59 (n, n') Level 34-Se-80  
 Cross Section -100.0 To 64.06 %



MAT 3443 MT= 60 (n, n') Level 34-Se-80  
Cross Section -100.0 To 75.07 %

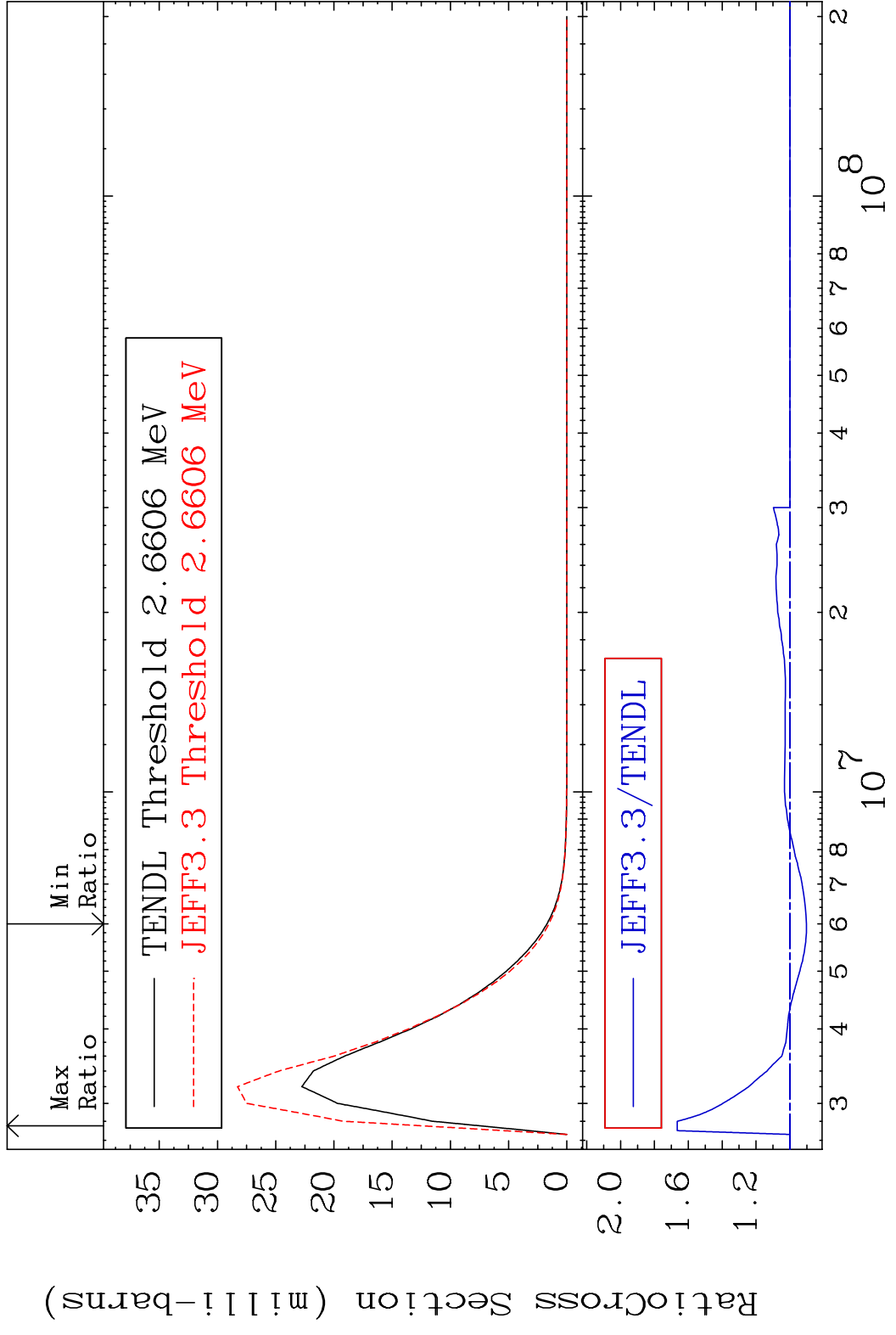


MAT 3443 MT= 61 (n, n') Level 34-Se-80  
 Cross Section -100.0 To 63.15 %

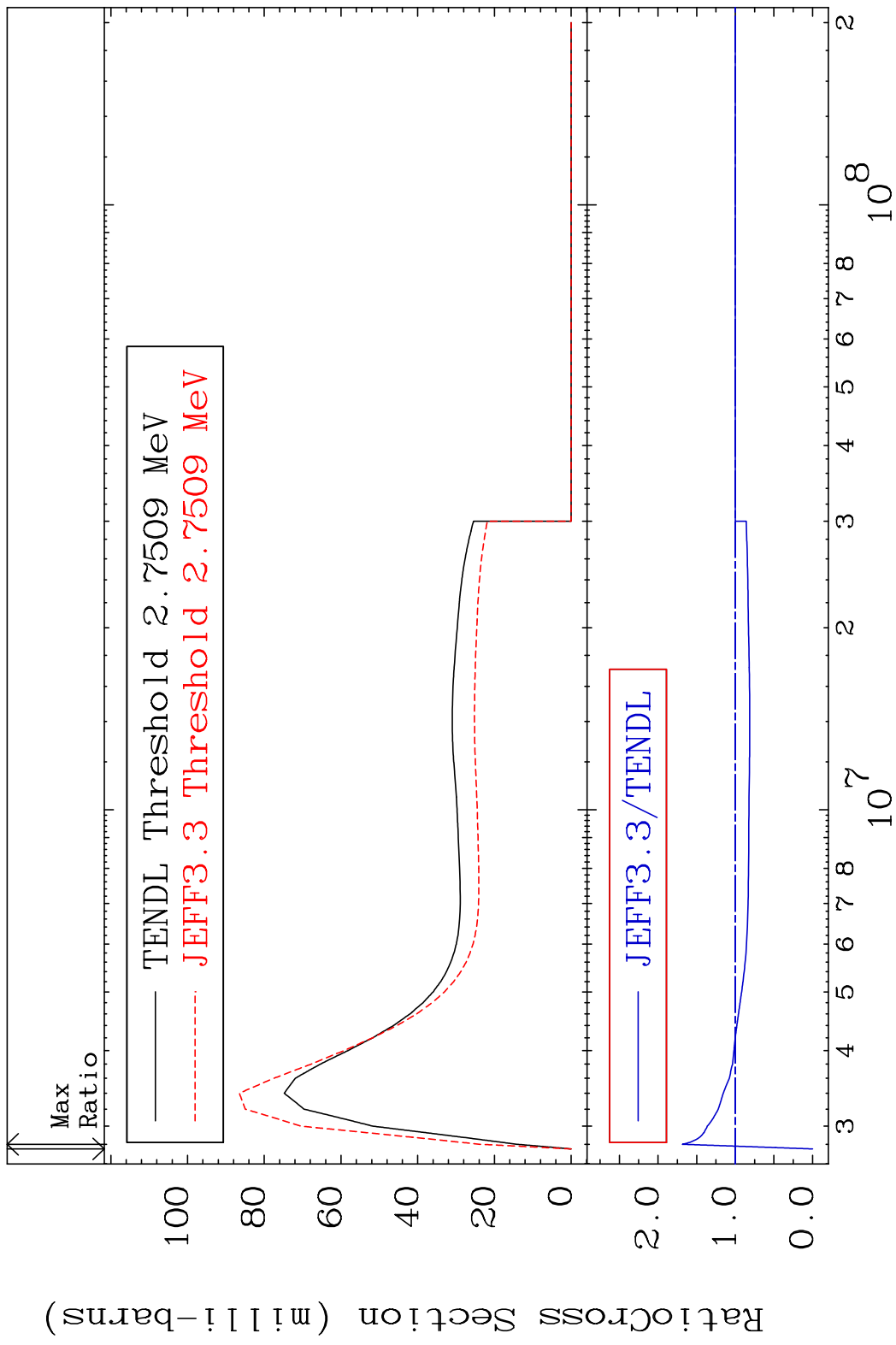




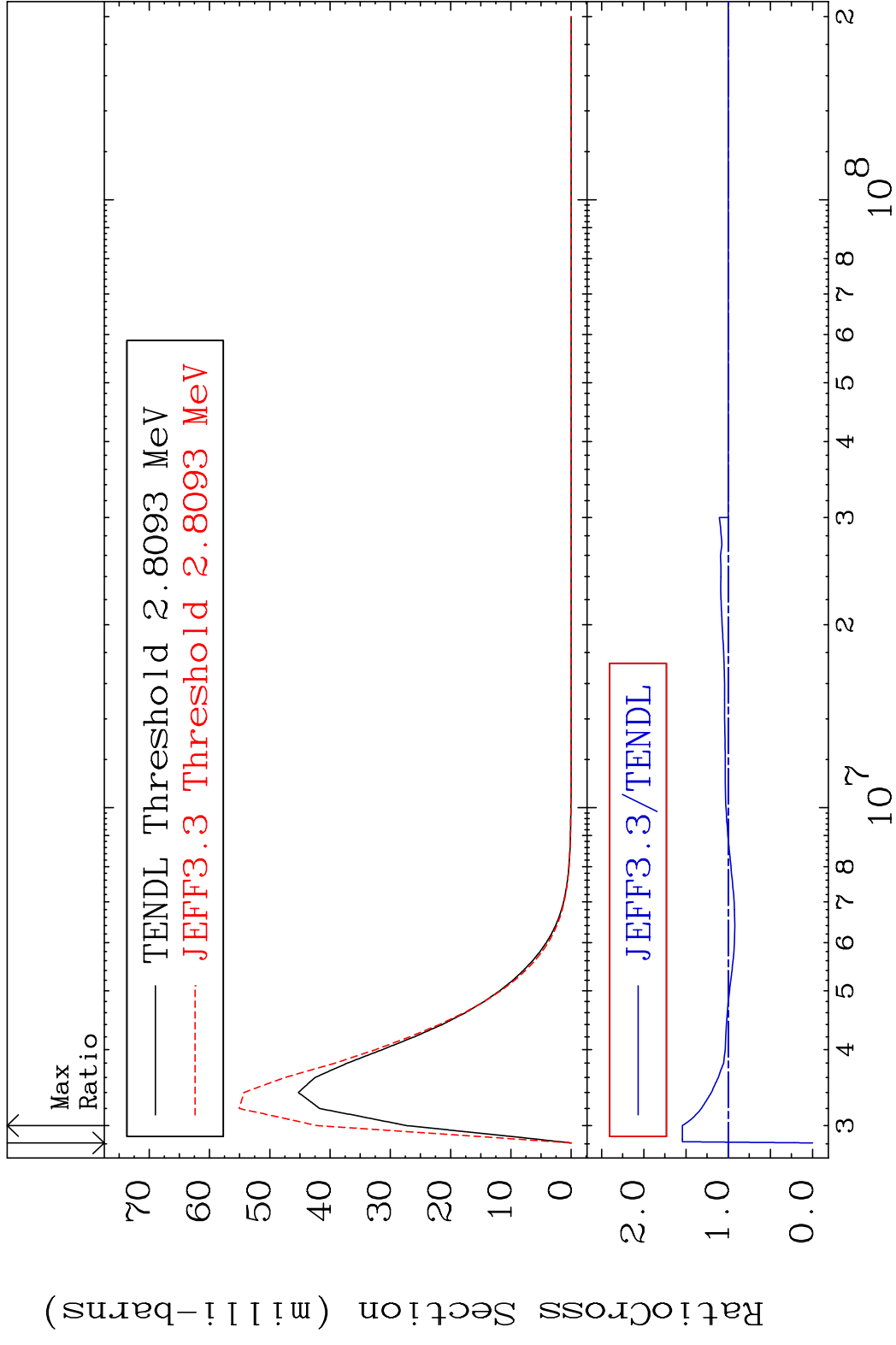
MAT 3443 MT= 62 (n, n') Level 34-Se-80  
 Cross Section -9.770 To 66.57 %



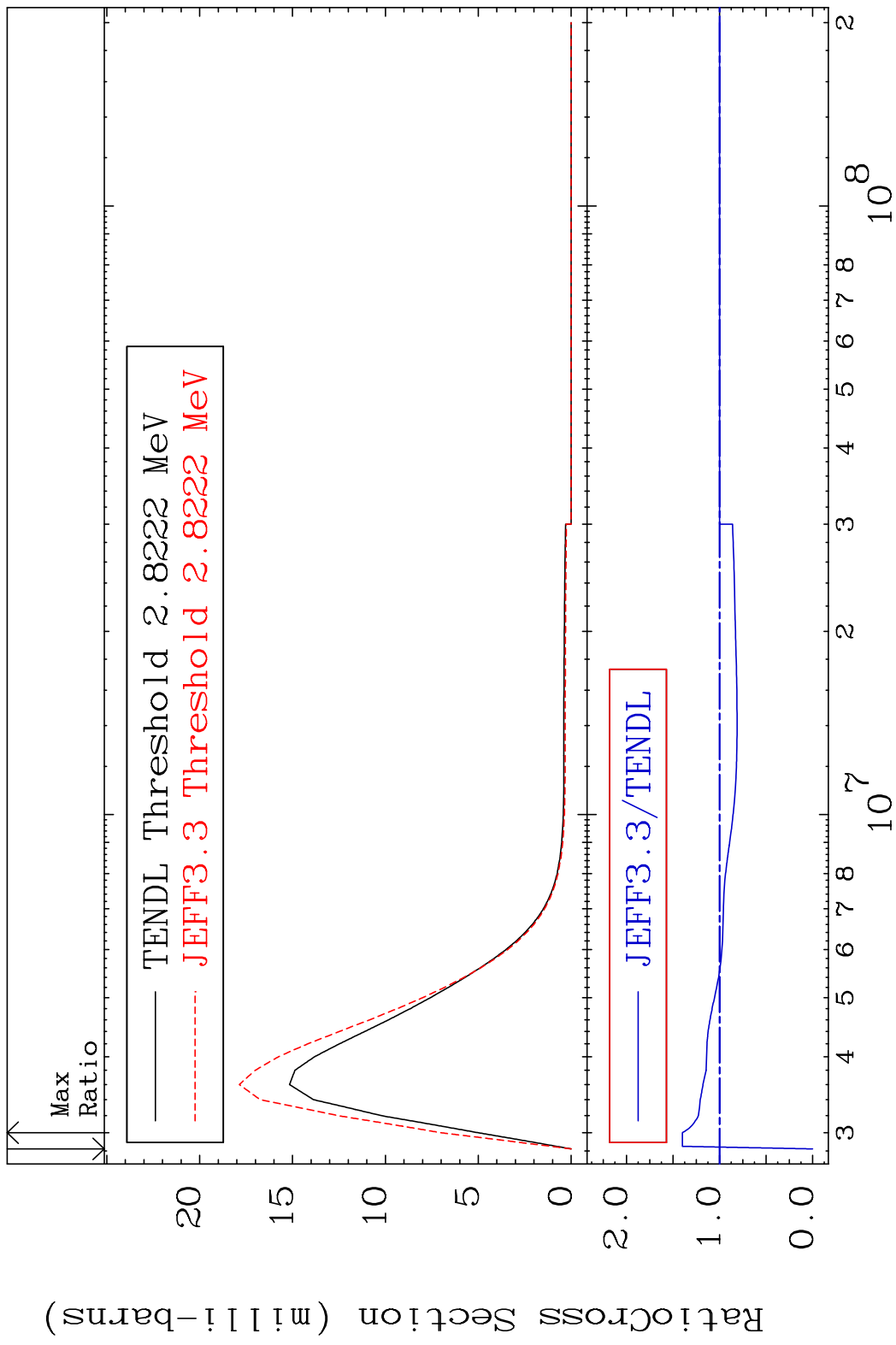
MAT 3443 MT= 63 (n, n') Level 34-Se-80  
 Cross Section -100.0 To 68.49 %



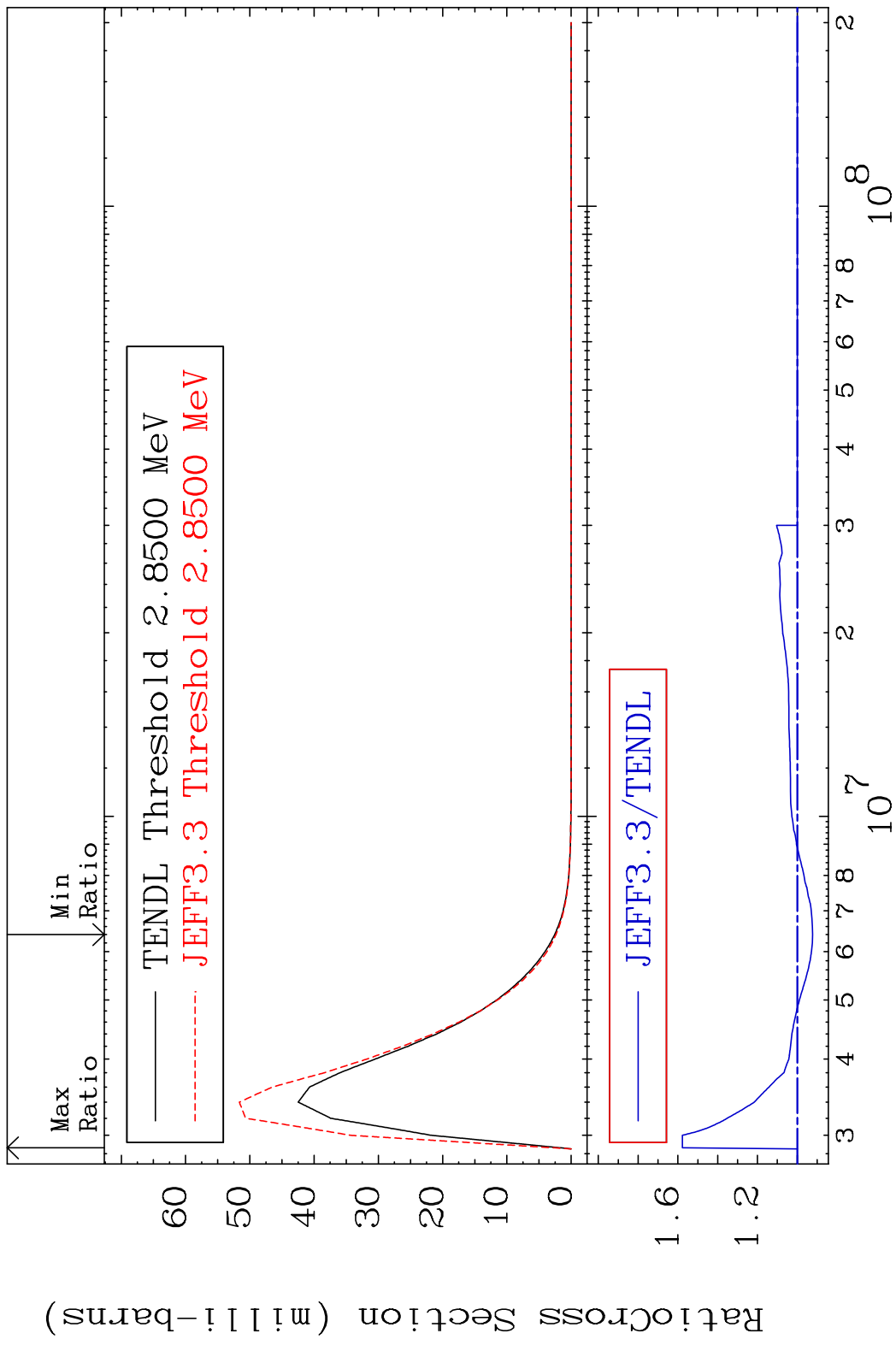
MAT 3443 MT= 64 (n, n') Level 34-Se-80  
 Cross Section -100.0 To 54.33 %



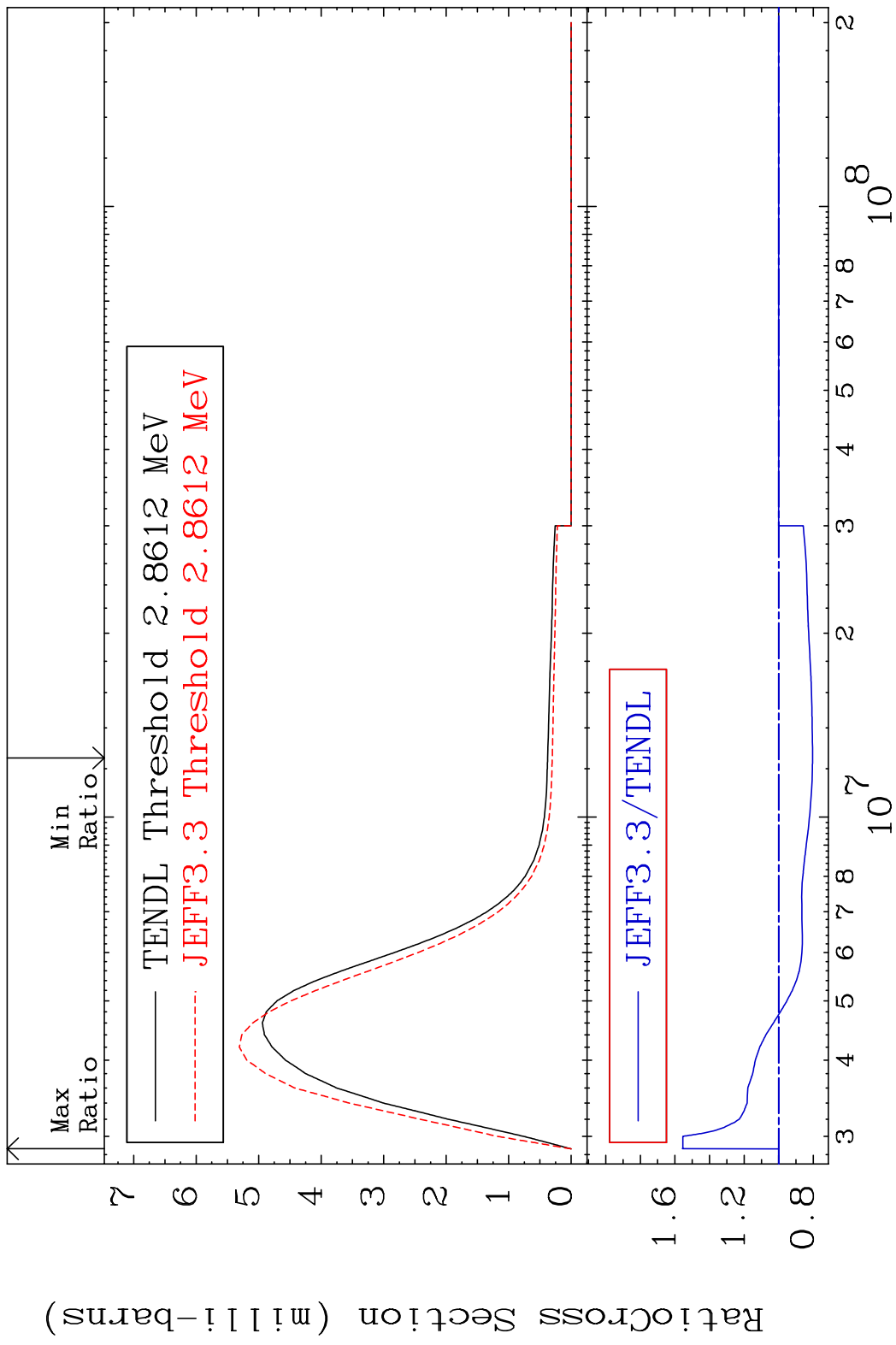
MAT 3443 MT= 65 (n,n') Level 34-Se-80  
 Cross Section -100.0 To 40.02 %



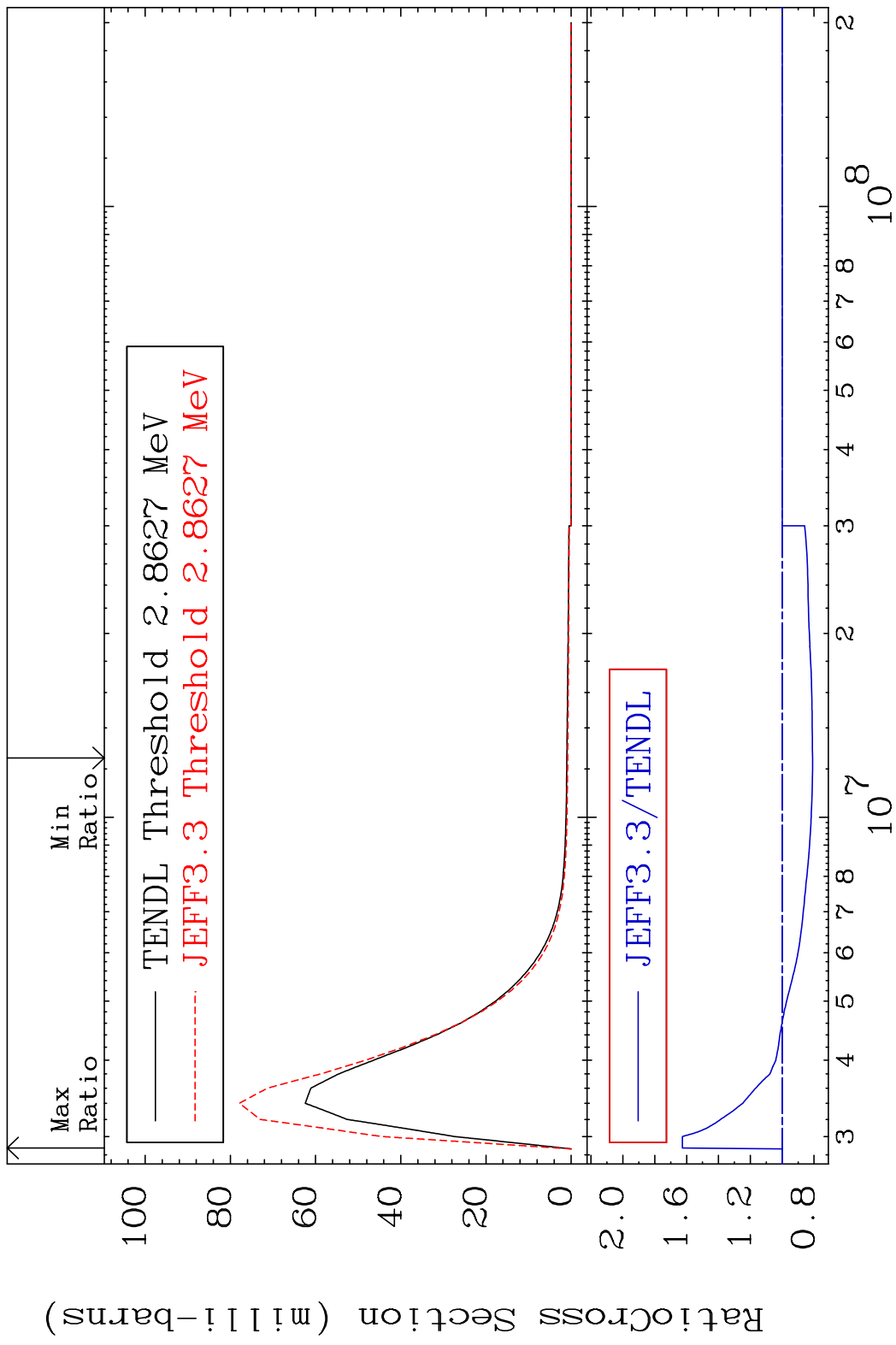
MAT 3443 MT= 66 (n,n') Level 34-Se-80  
 Cross Section -7.695 To 57.76 %



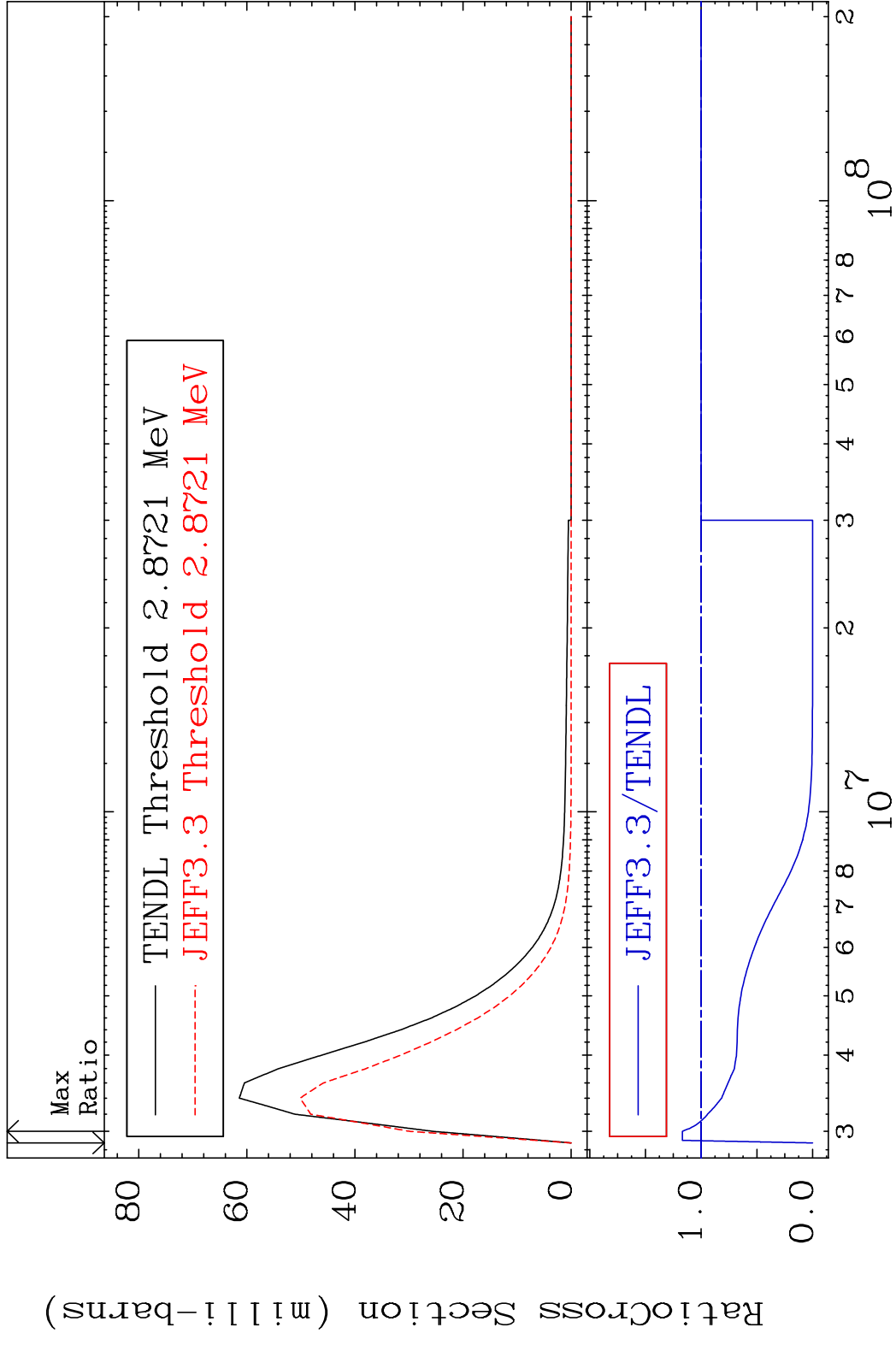
MAT 3443 MT= 67 (n, n') Level 34-Se-80  
 Cross Section -19.55 To 55.71 %



MAT 3443 MT= 68 (n,n') Level 34-Se-80  
 Cross Section -19.04 To 62.68 %

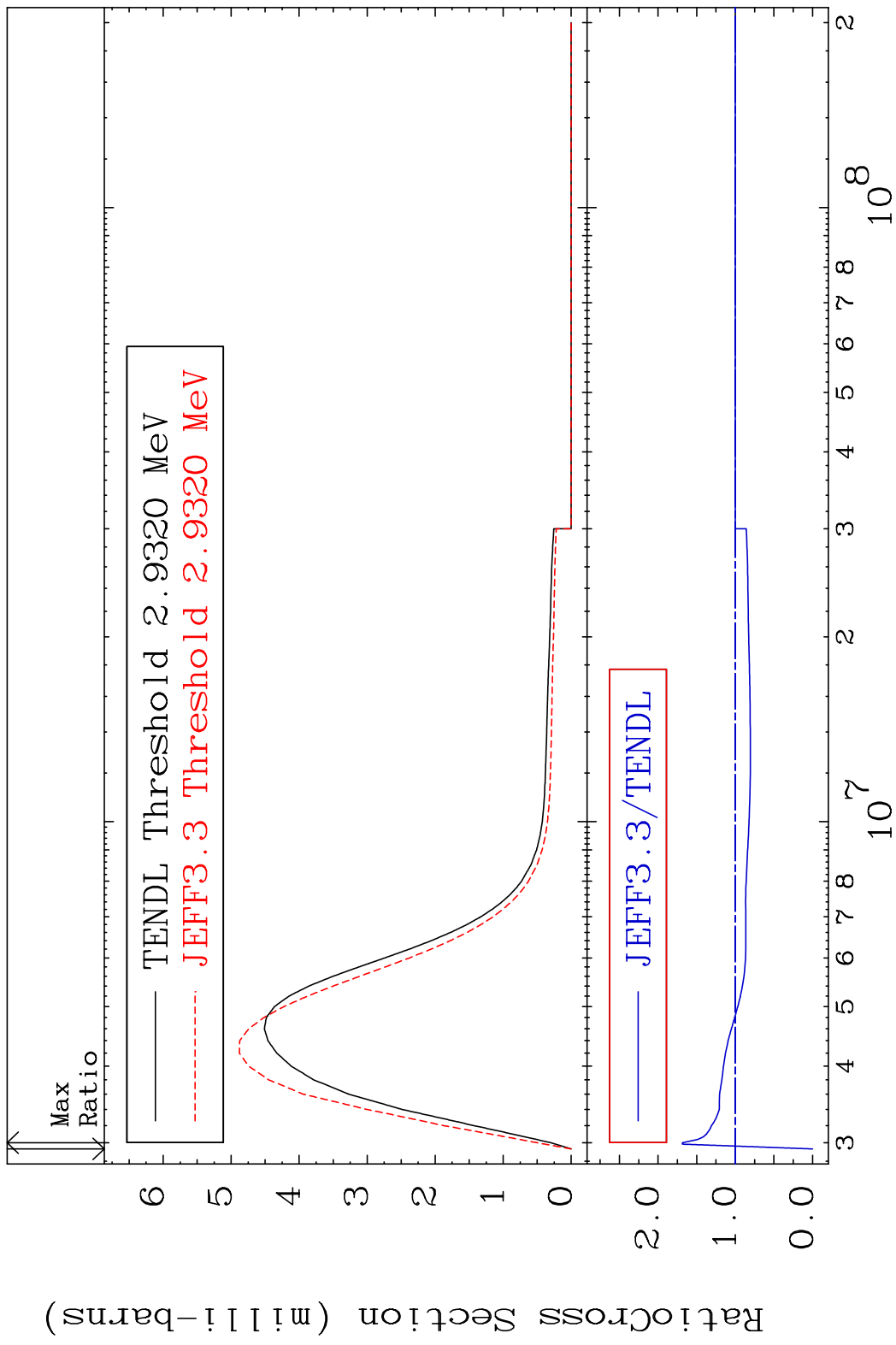


MAT 3443 MT= 69 (n,n') Level 34-Se-80  
 Cross Section -100.0 To 16.89 %



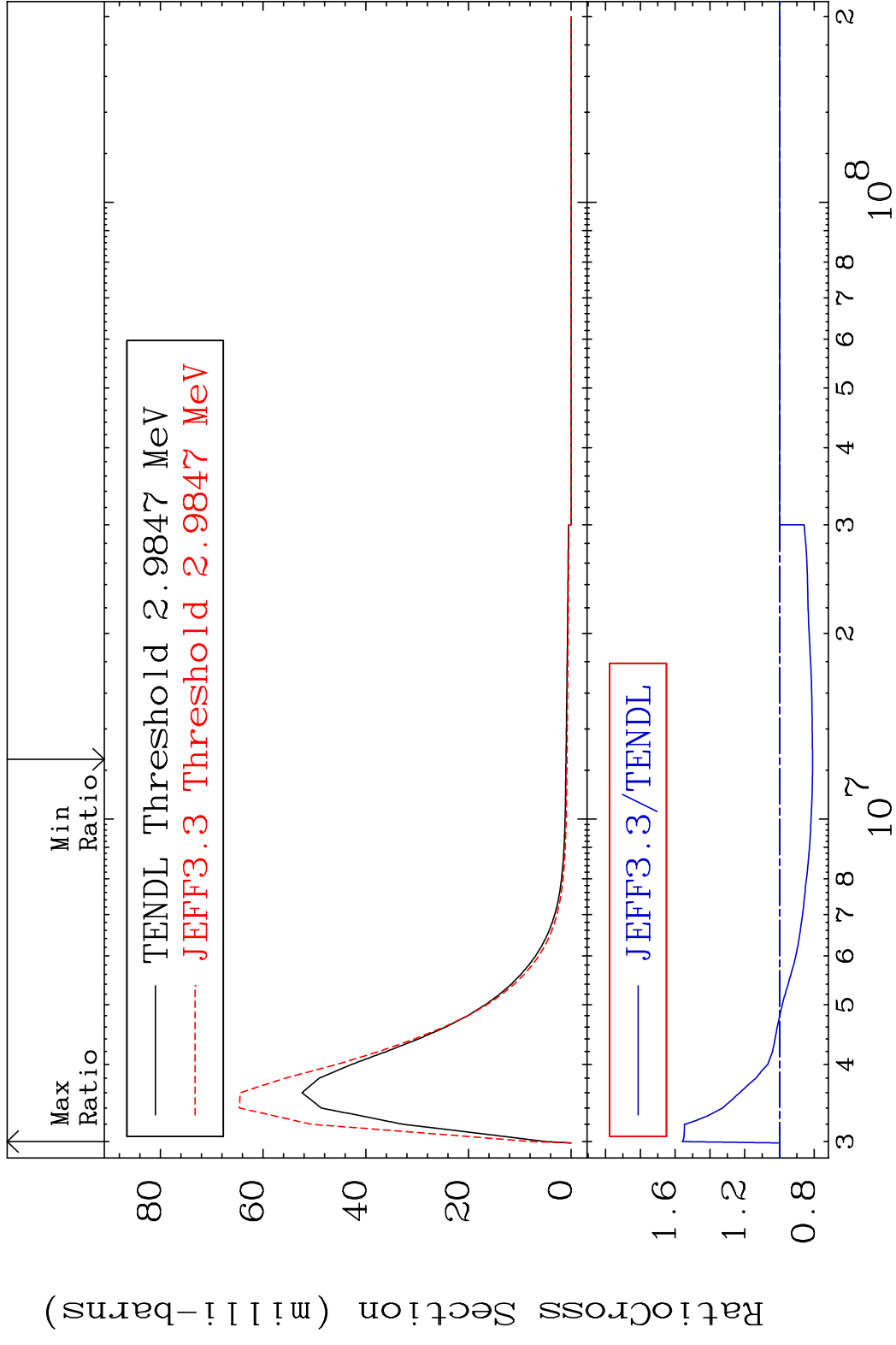


MAT 3443 MT= 70 (n, n') Level 34-Se-80  
 Cross Section -100.0 To 68.56 %

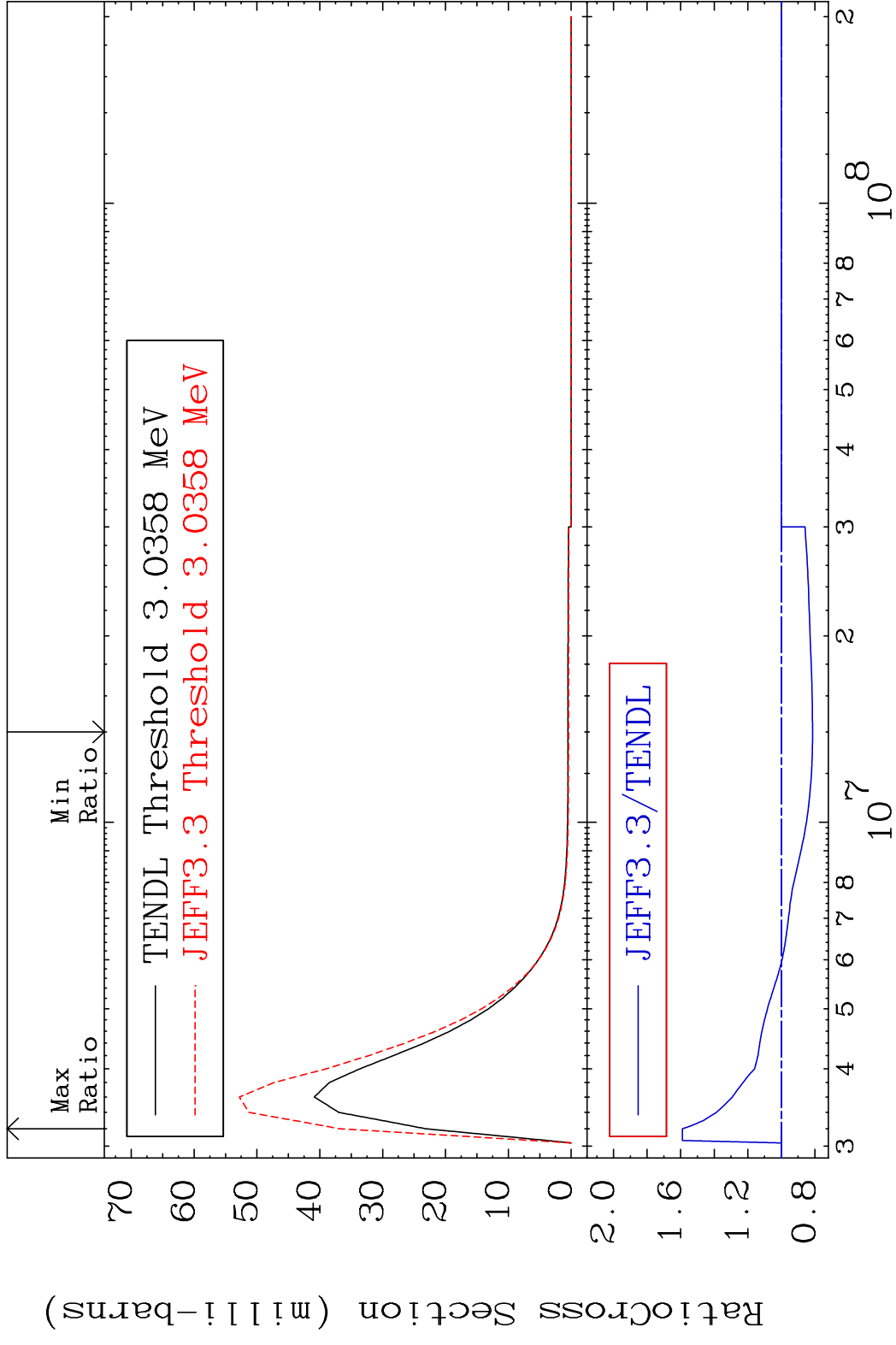


40 Incident Energy (eV) 34-Se-80

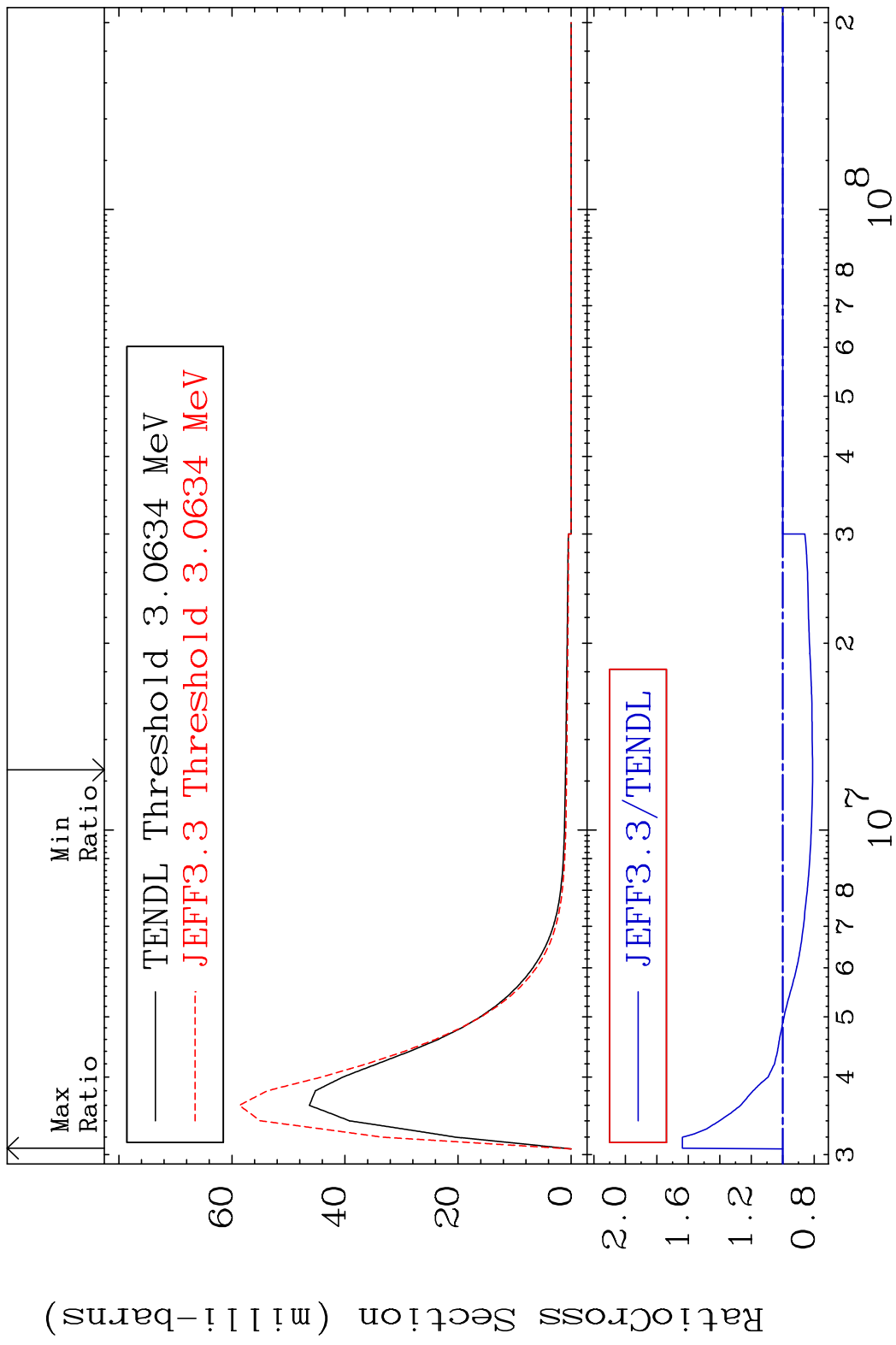
MAT 3443 MT= 71 (n,n') Level 34-Se-80  
 Cross Section -19.00 To 55.86 %



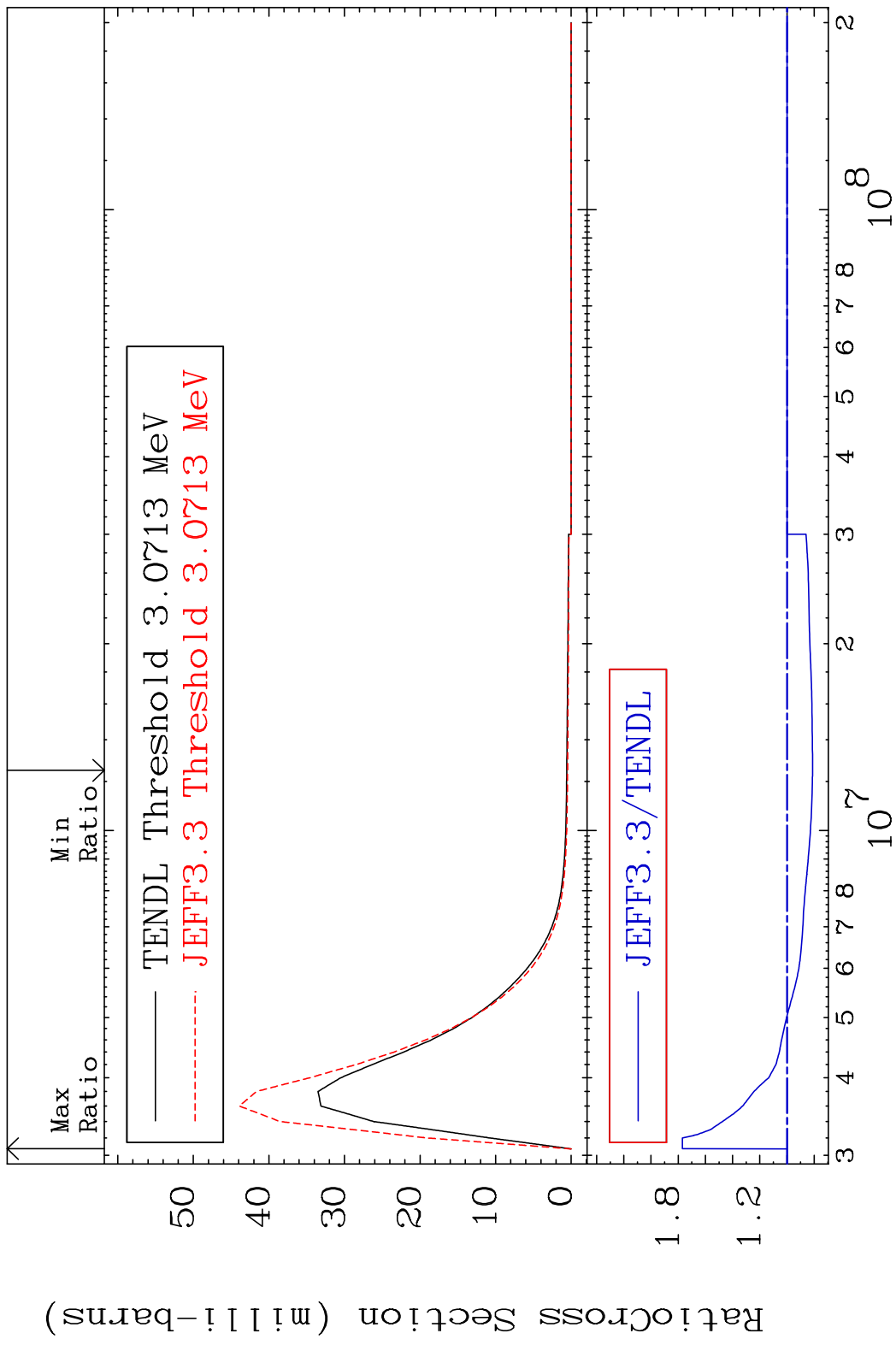
MAT 3443 MT= 72 (n, n') Level 34-Se-80  
 Cross Section -18.66 To 59.00 %



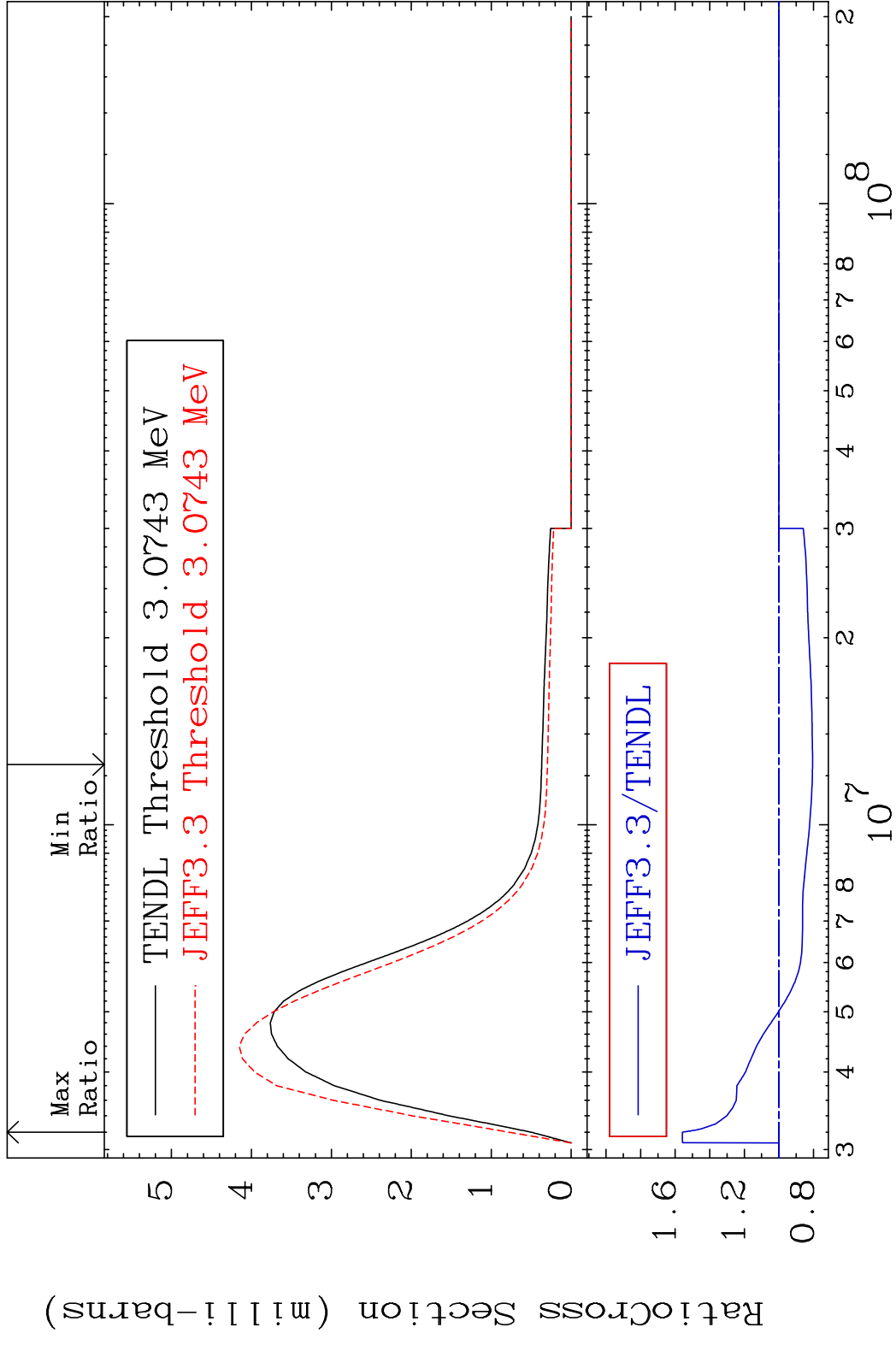
MAT 3443 MT= 73 (n,n') Level 34-Se-80  
 Cross Section -18.98 To 63.82 %



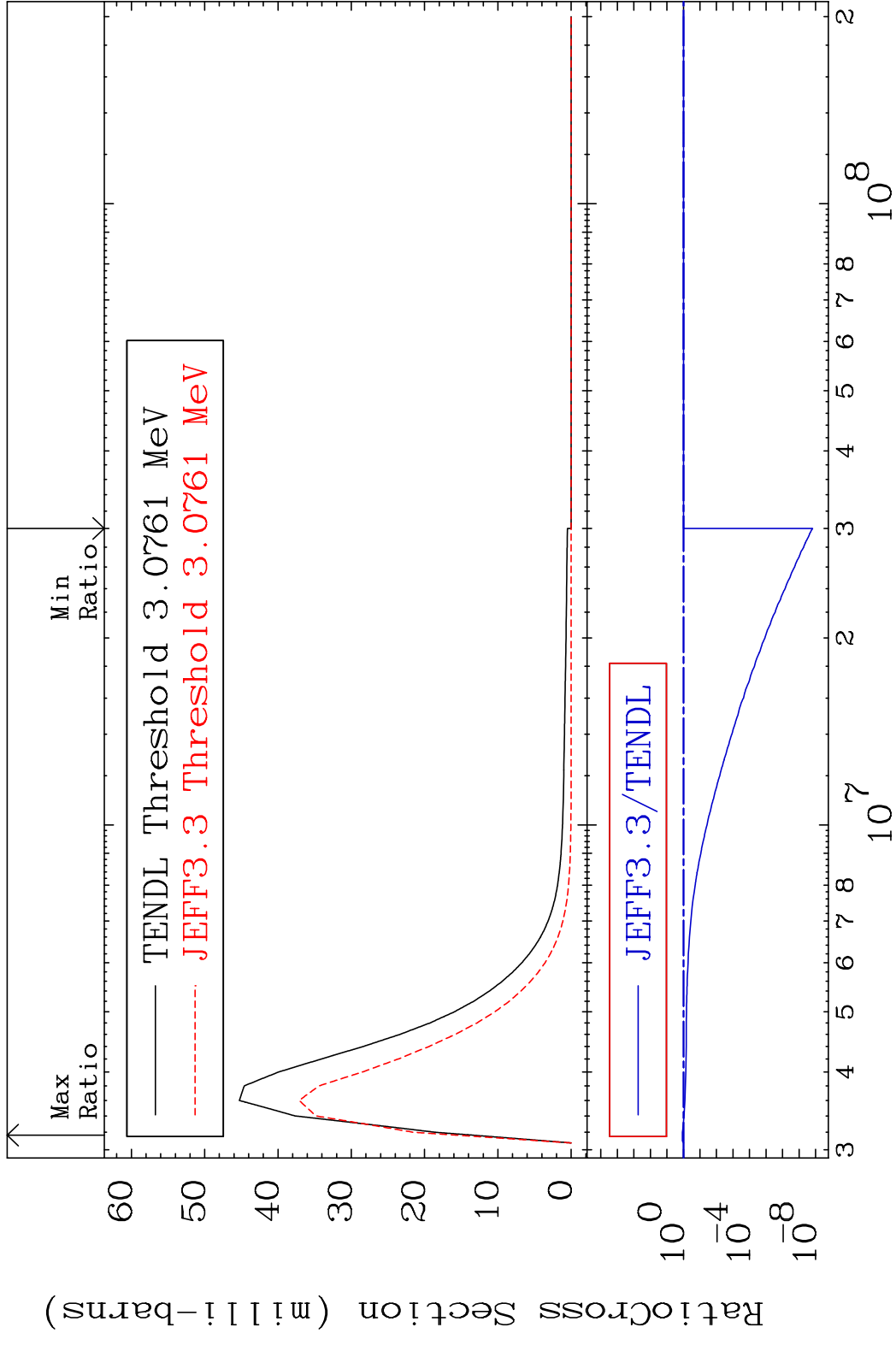
MAT 3443 MT= 74 (n,n') Level 34-Se-80  
 Cross Section -18.79 To 76.96 %



MAT 3443 MT= 75 (n,n') Level 34-Se-80  
 Cross Section -19.50 To 55.86 %

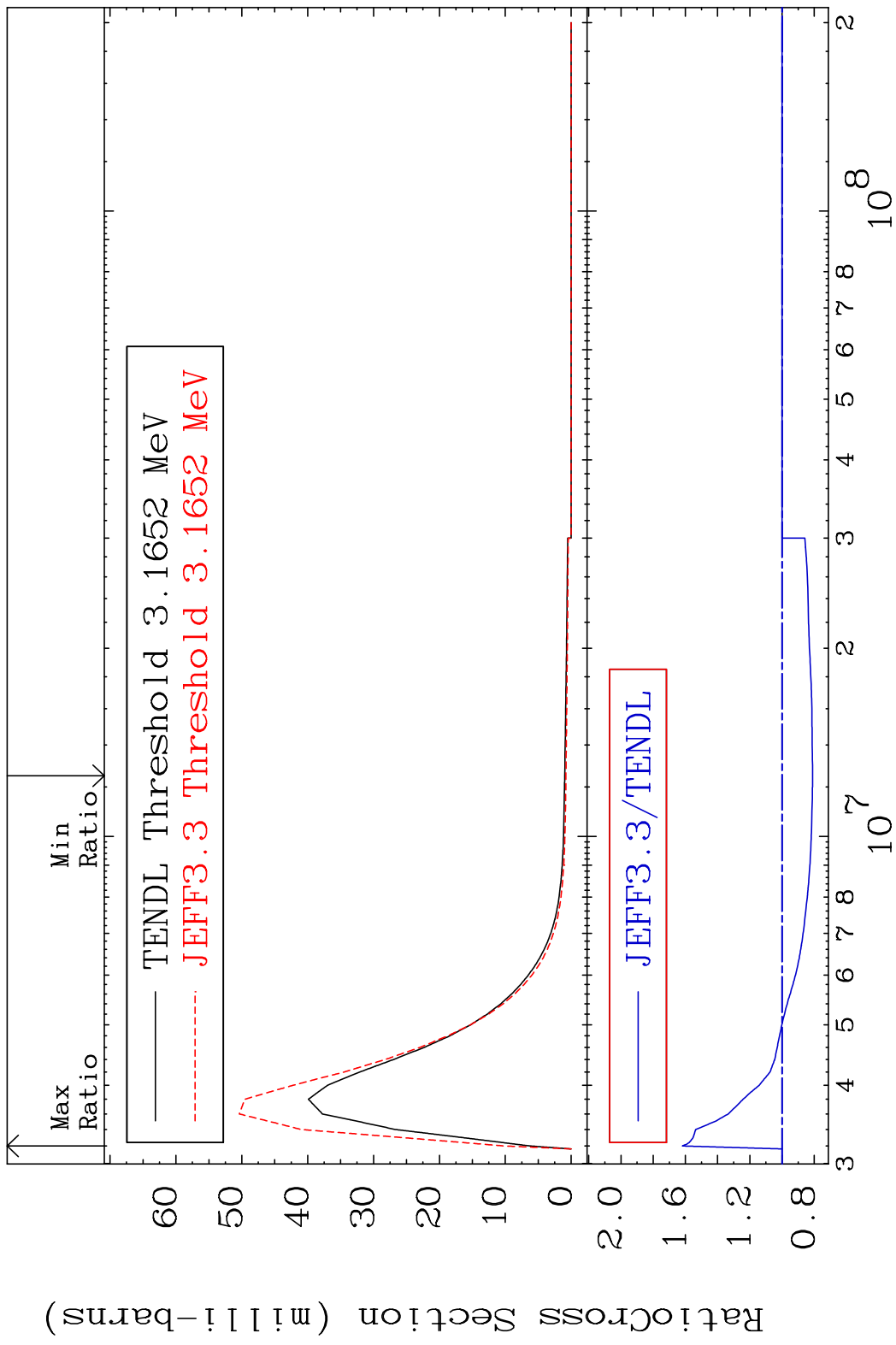


MAT 3443 MT= 76 (n, n') Level 34-Se-80  
 Cross Section -100.0 To 16.04 %



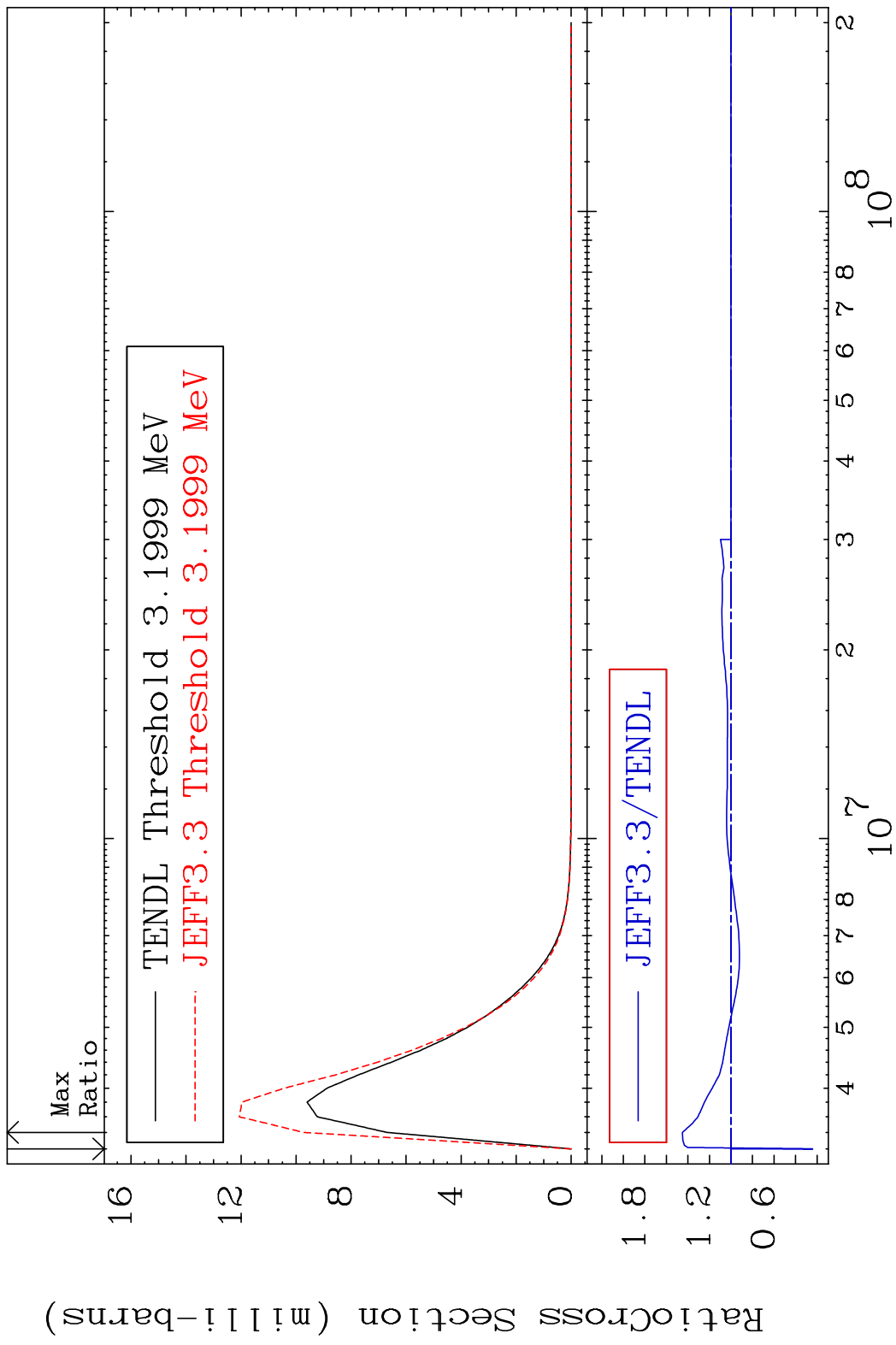
46 Incident Energy (eV) 34-Se-80

MAT 3443 MT= 77 (n,n') Level 34-Se-80  
 Cross Section -18.94 To 61.90 %

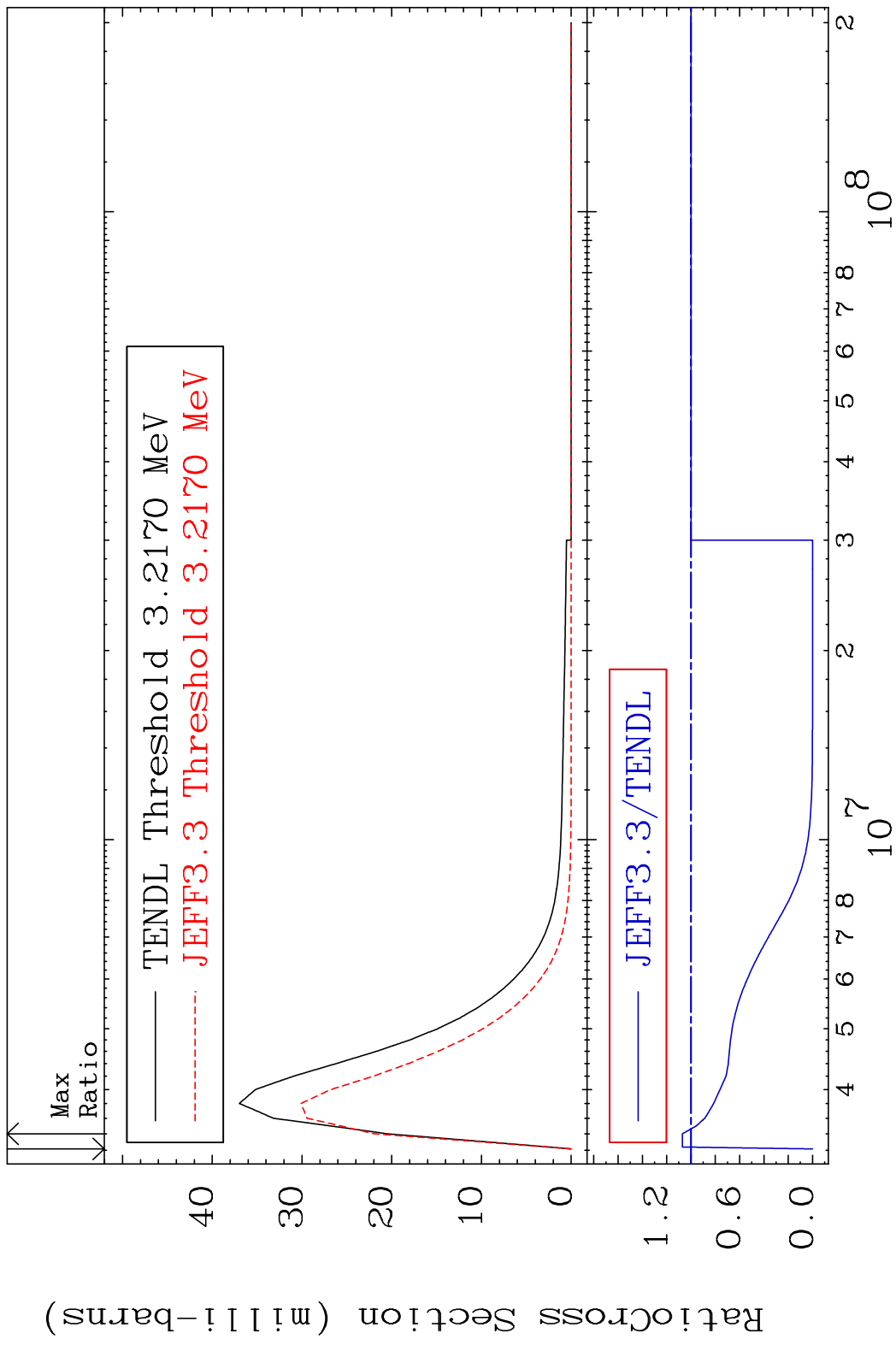




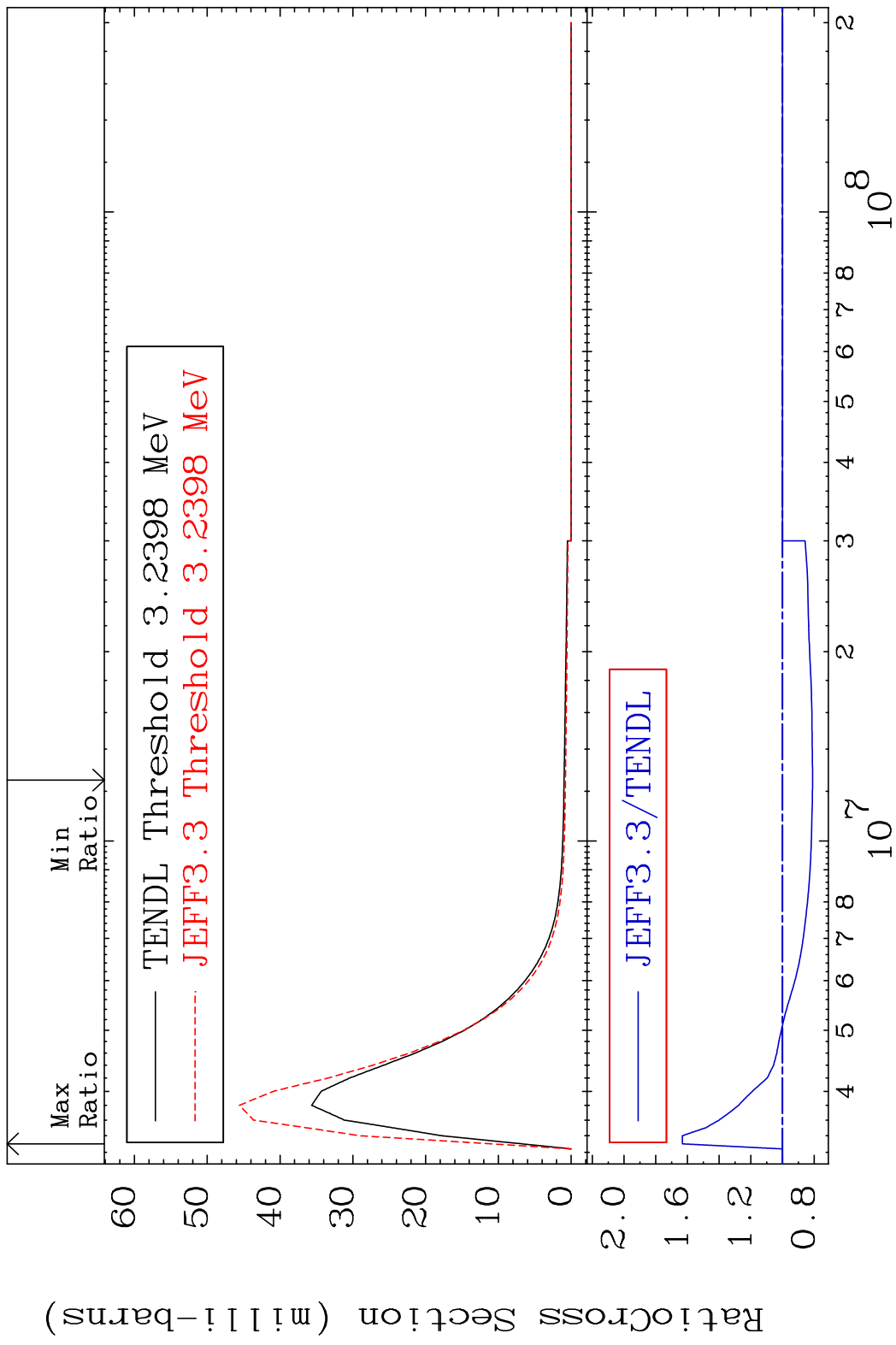
MAT 3443 MT= 78 (n, n') Level 34-Se-80  
 Cross Section -75.79 To 45.17 %



MAT 3443 MT= 79 (n,n') Level 34-Se-80  
 Cross Section -100.0 To 7.108 %



MAT 3443 MT= 80 (n,n') Level 34-Se-80  
 Cross Section -18.91 To 63.23 %

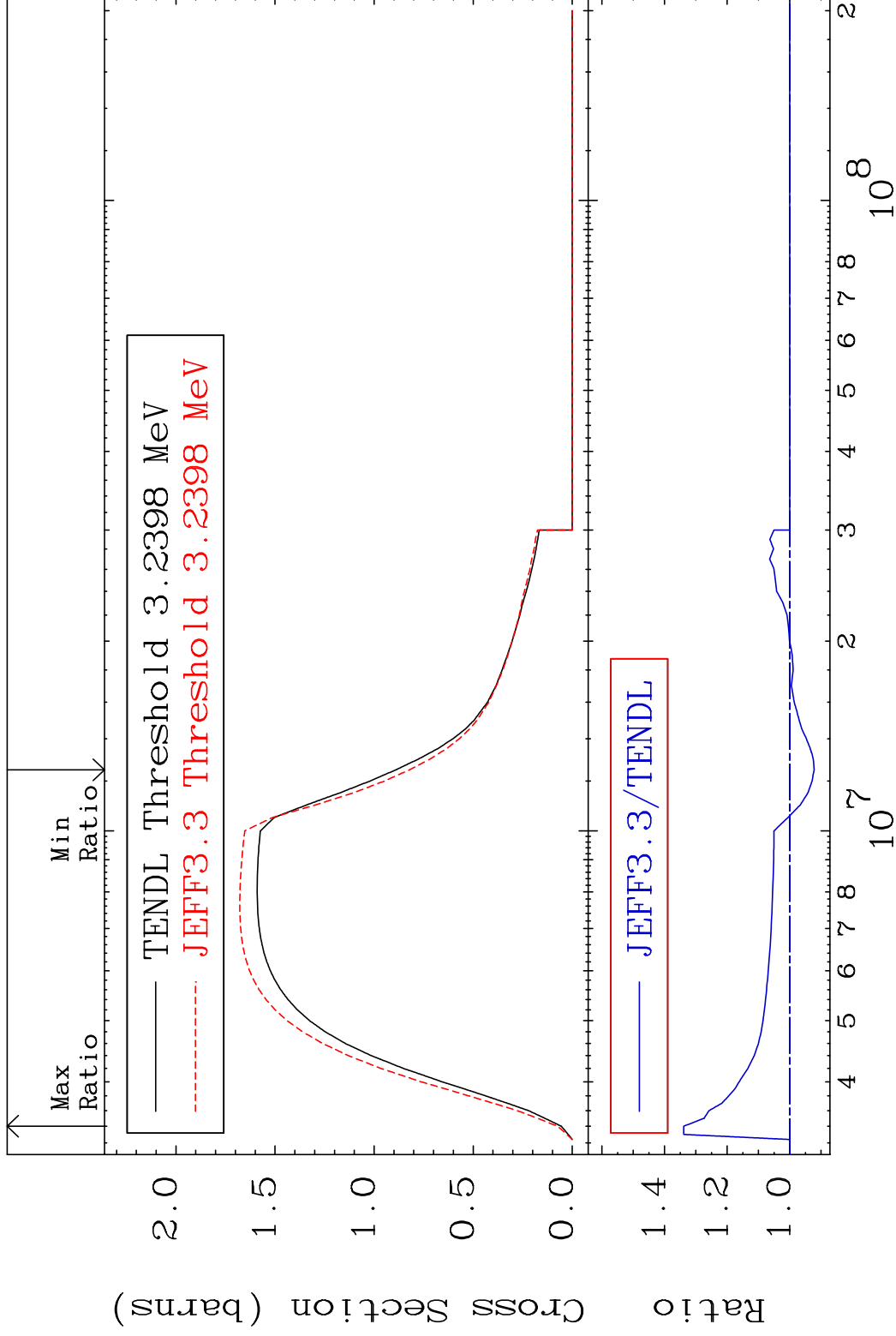


MAT 3443

(n,n') Continuum

<sup>34</sup>Se-80

Cross Section -7.772 To 33.90 %

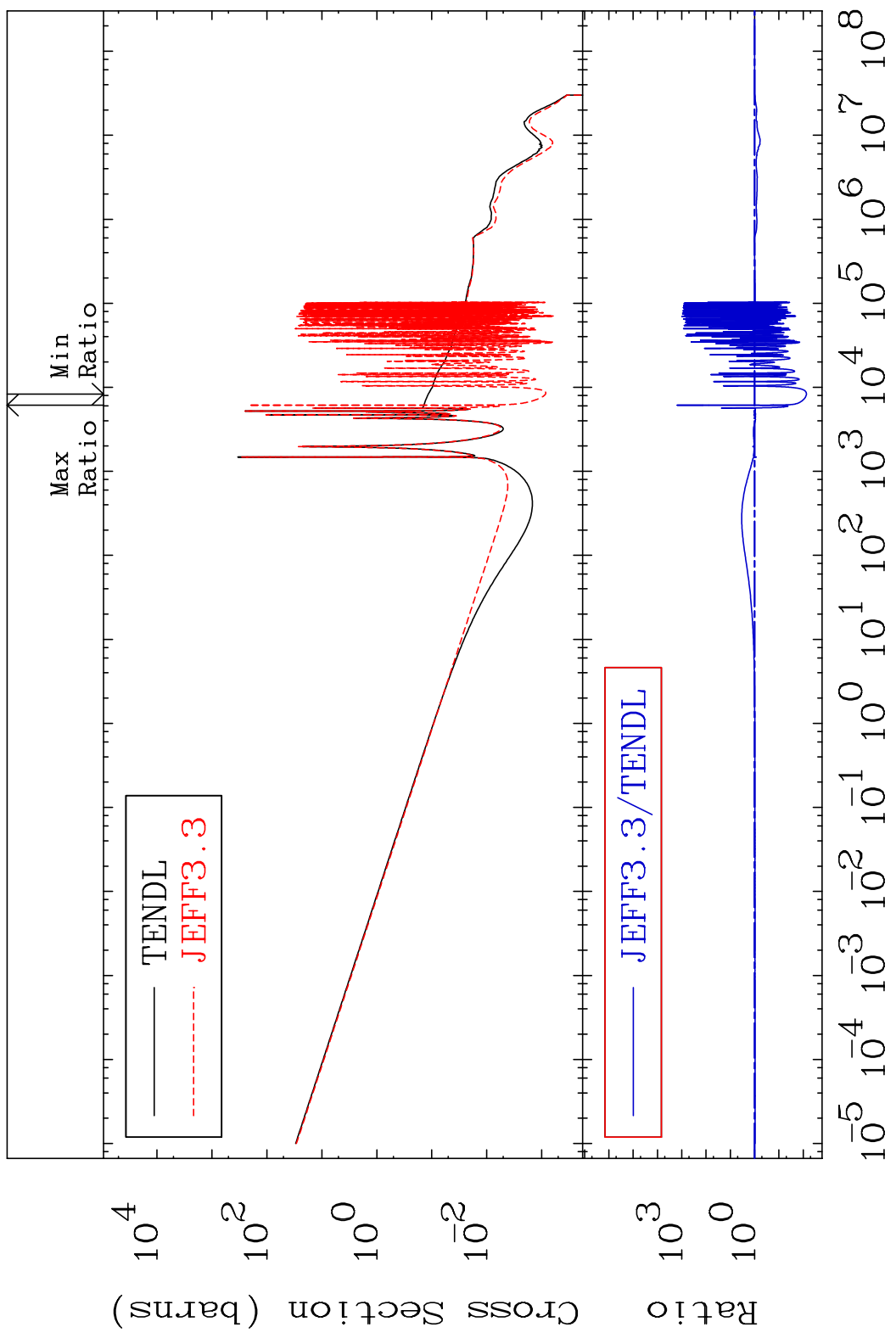


MAT 3443

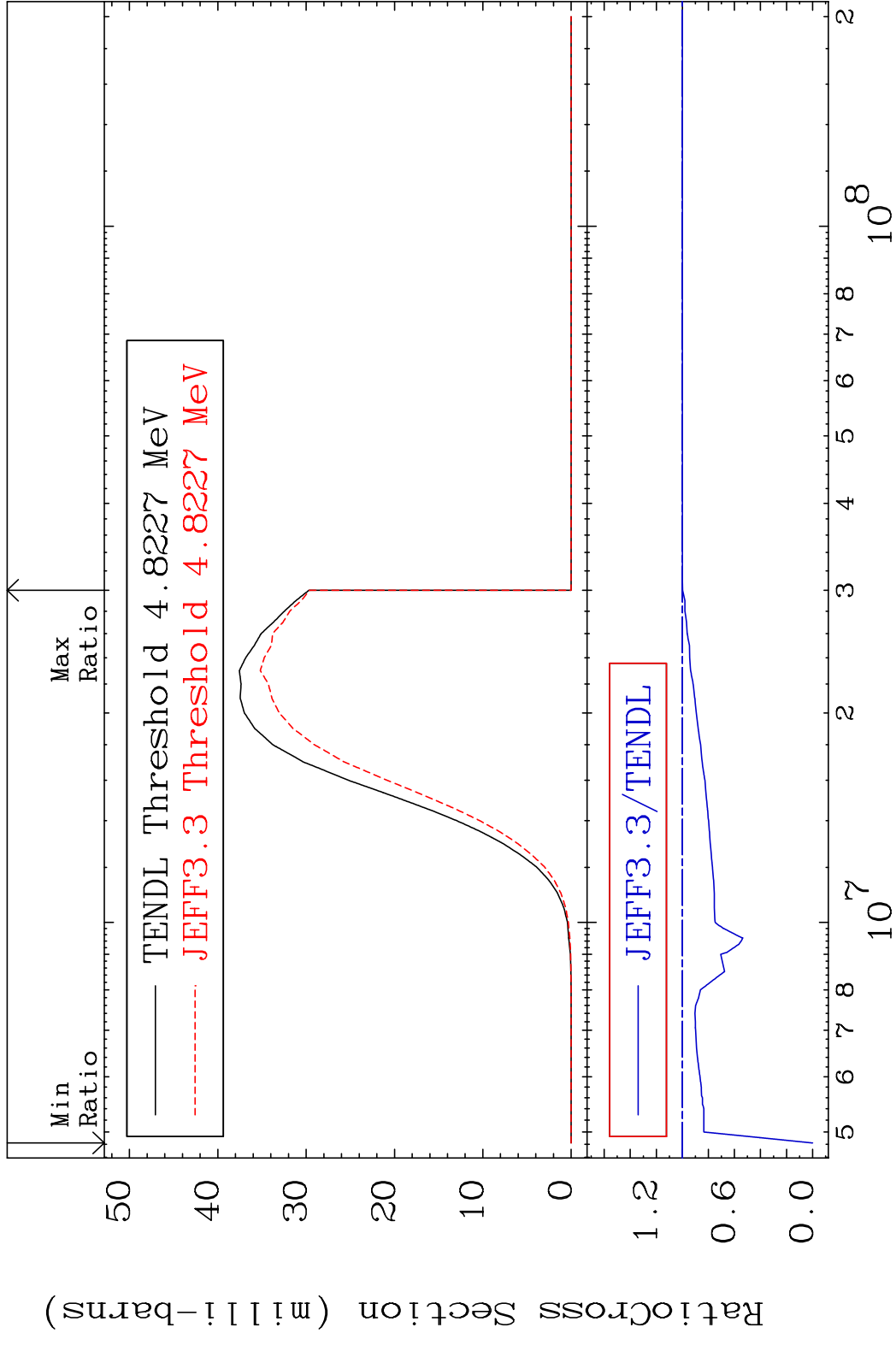
(n,  $\gamma$ )

34-Se-80

Cross Section -99.26 To 9999. %



MAT 3443 (n,p) 34-Se-80  
 Cross Section -100.0 To 0.000 %

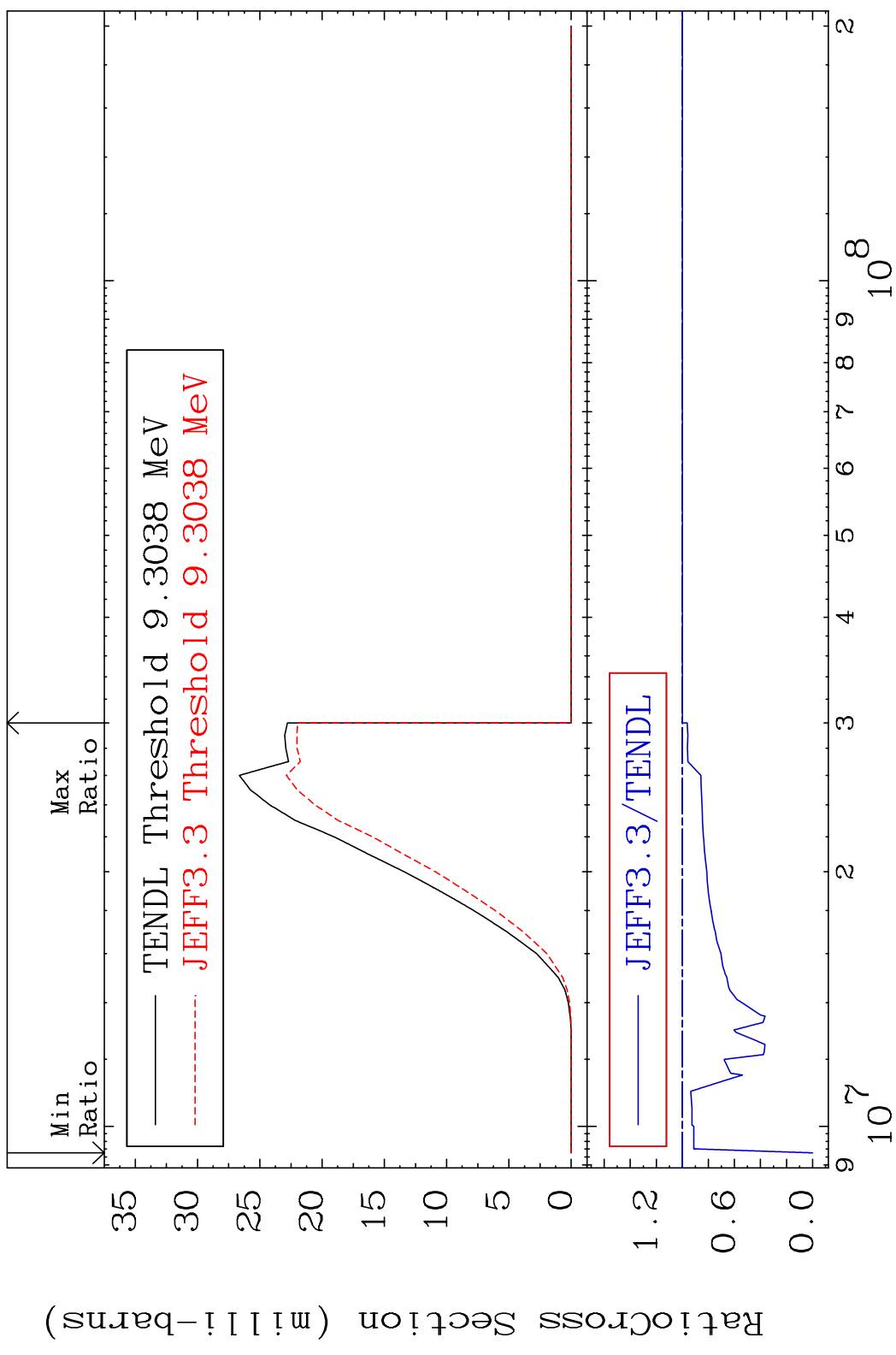


MAT 3443

(n,d)

34-Se-80

Cross Section -100.0 To 0.000 %



54

Incident Energy (eV)

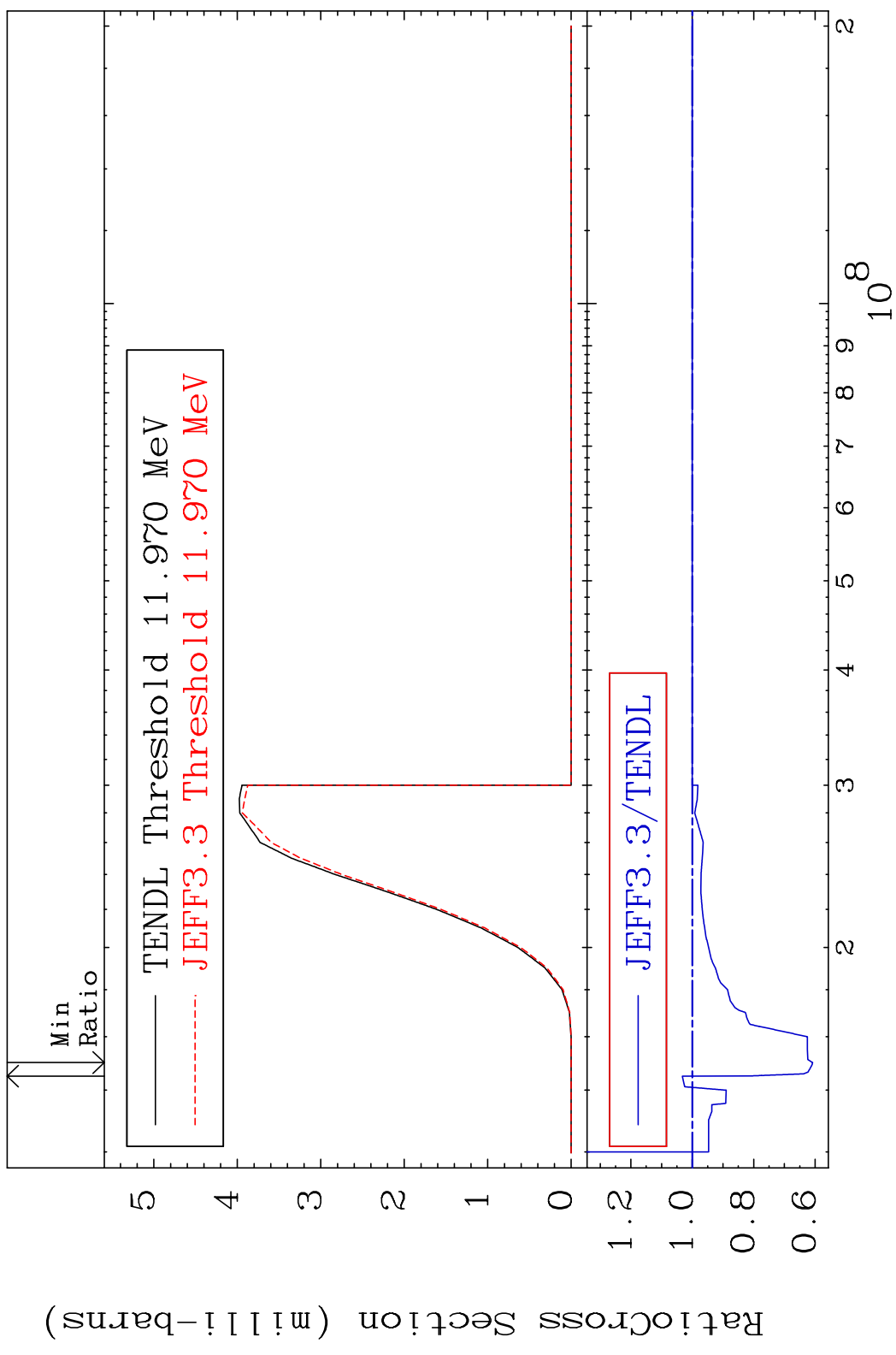
34-Se-80

MAT 3443

(n, t)

34-Se-80

Cross Section -39.17 To 3.239 %



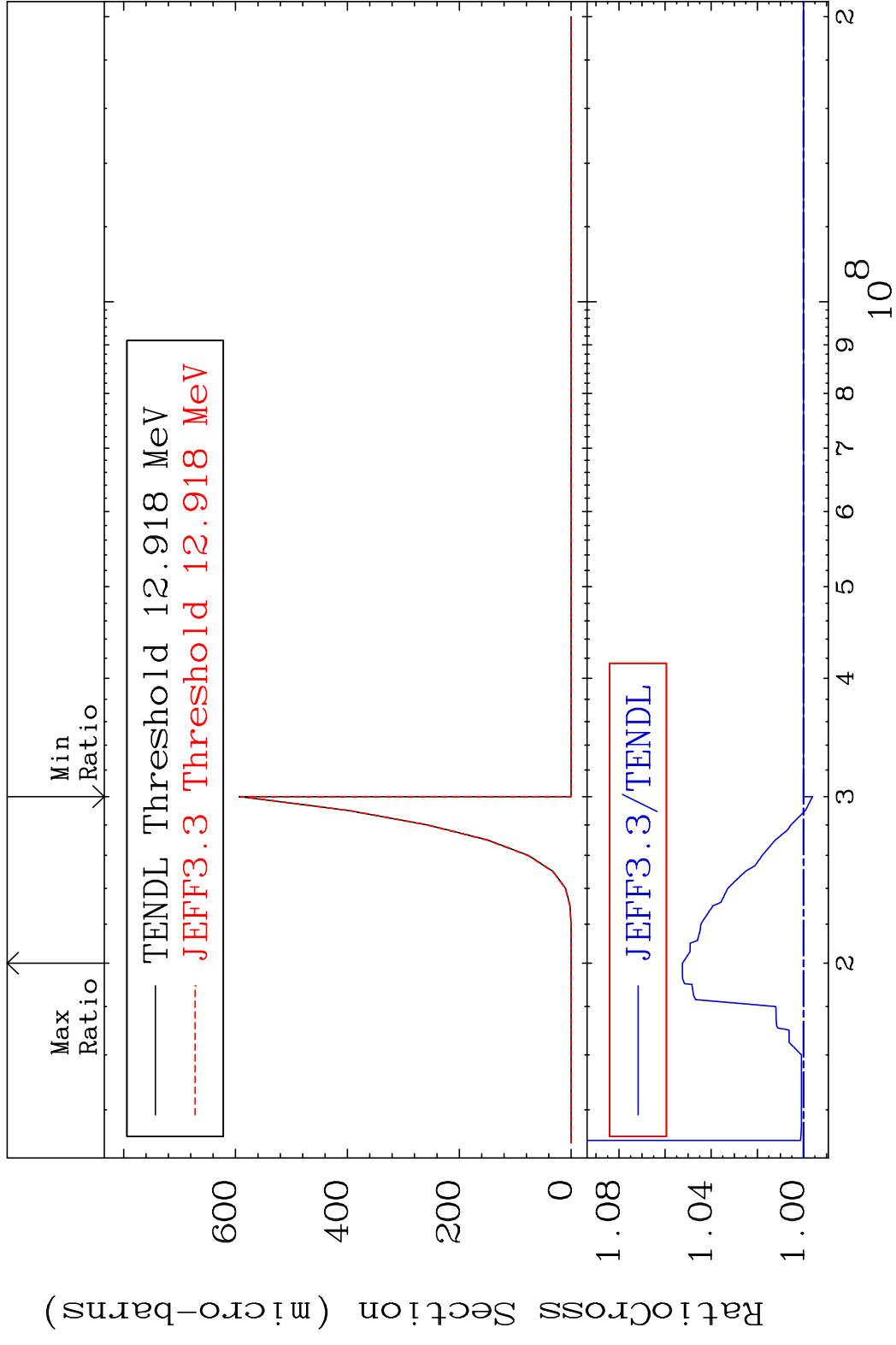


MAT 3443

(n, He-3)

34-Se-80

Cross Section -0.398 To 5.254 %

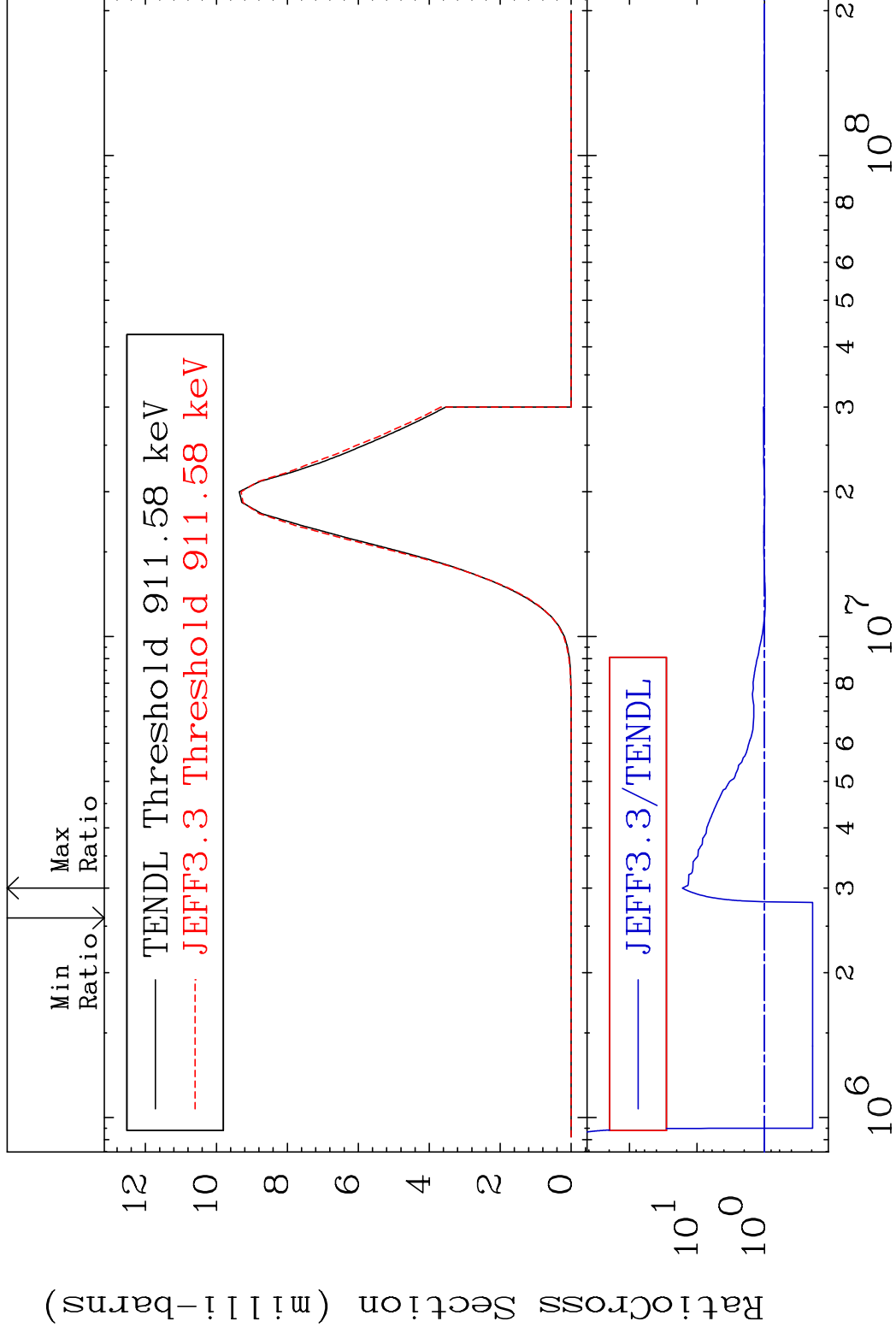


MAT 3443

(n,  $\alpha$ )

34-Se-80

Cross Section -80.52 To 1551. %



57

Incident Energy (eV)

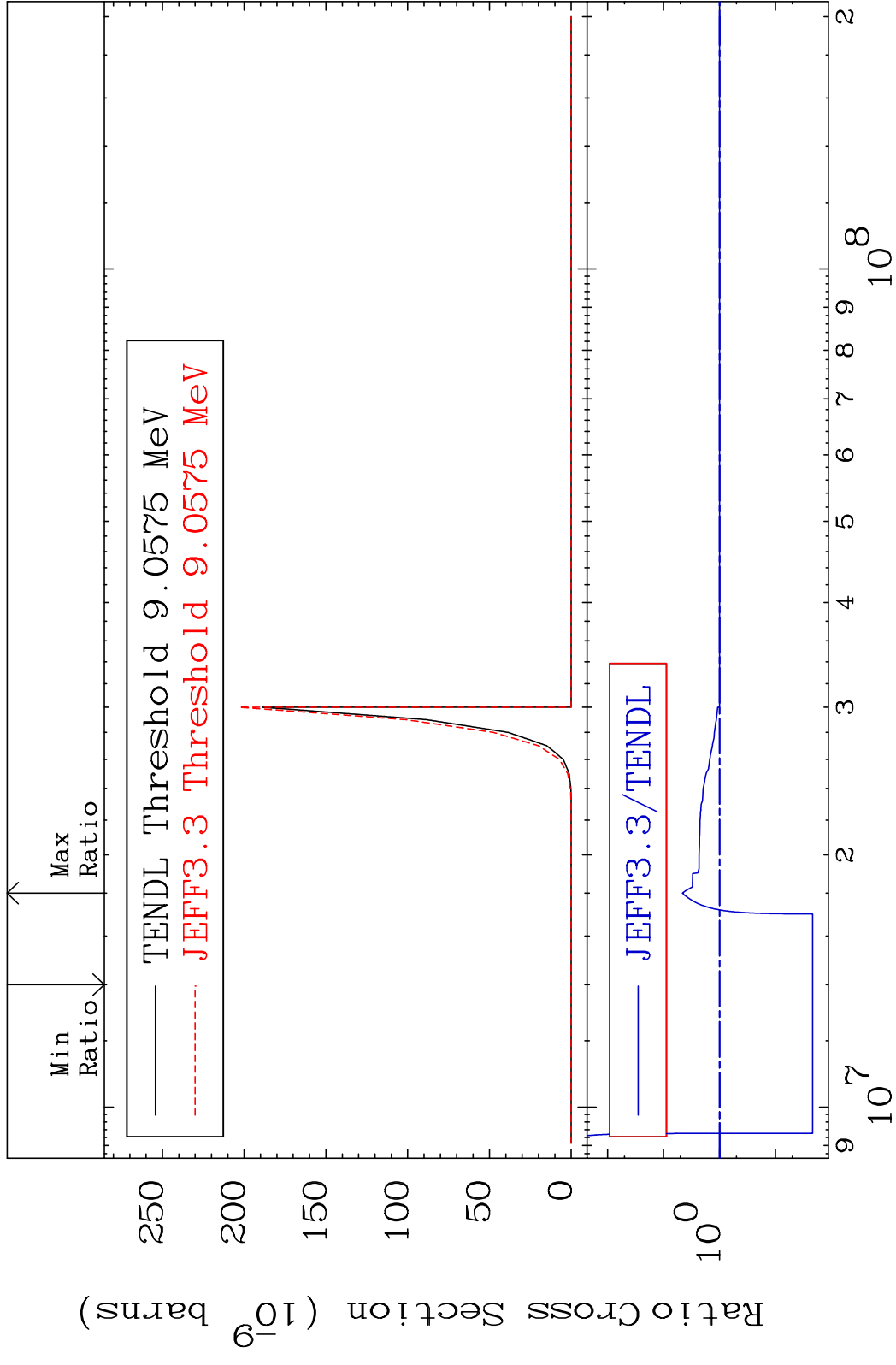
34-Se-80

MAT 3443

(n,2α)

34-Se-80

Cross Section -97.82 To 361.3 %

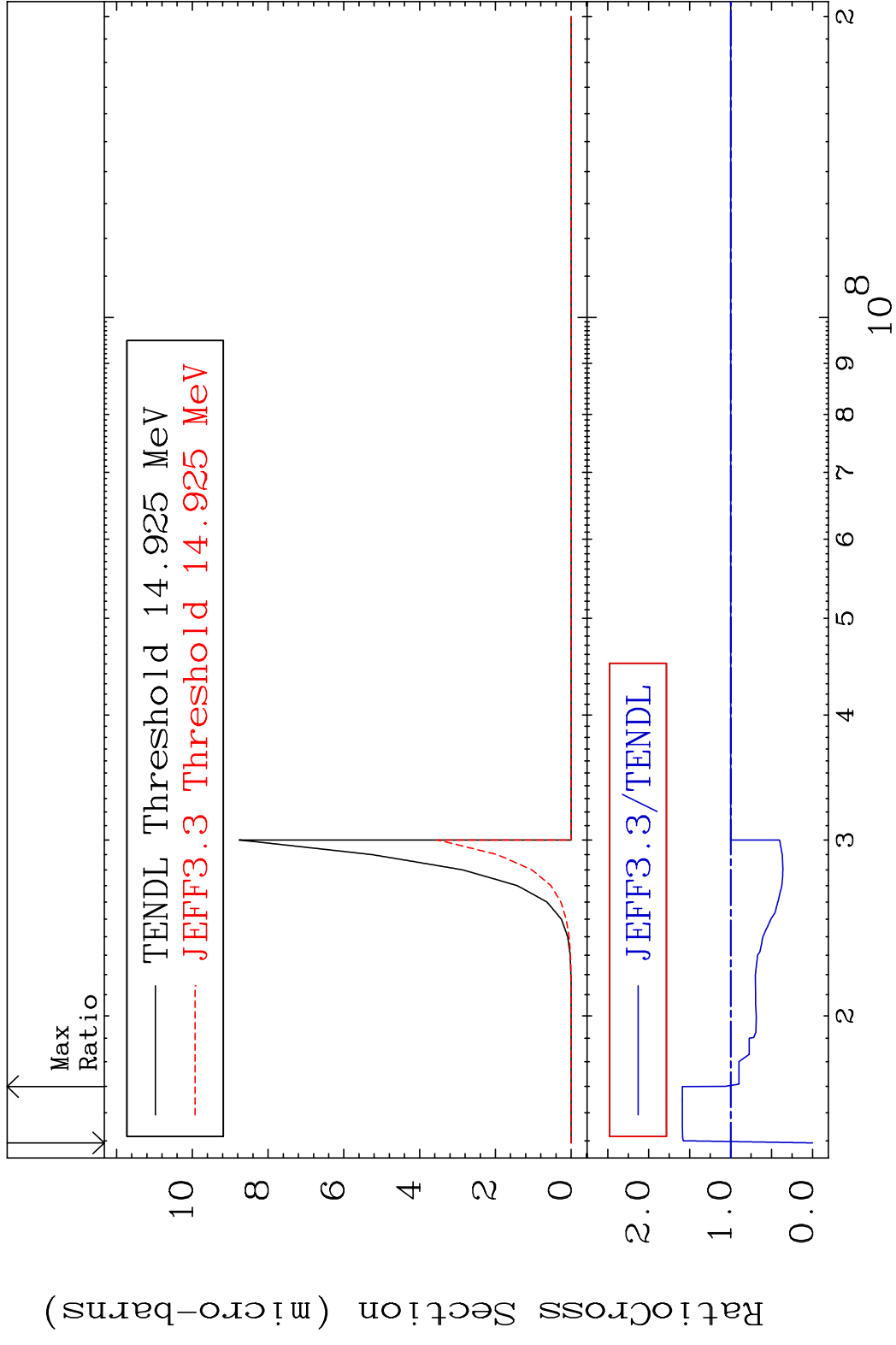


58

Incident Energy (eV)

34-Se-80

MAT 3443 (n,2p) 34-Se-80  
 Cross Section -100.0 To 58.95 %

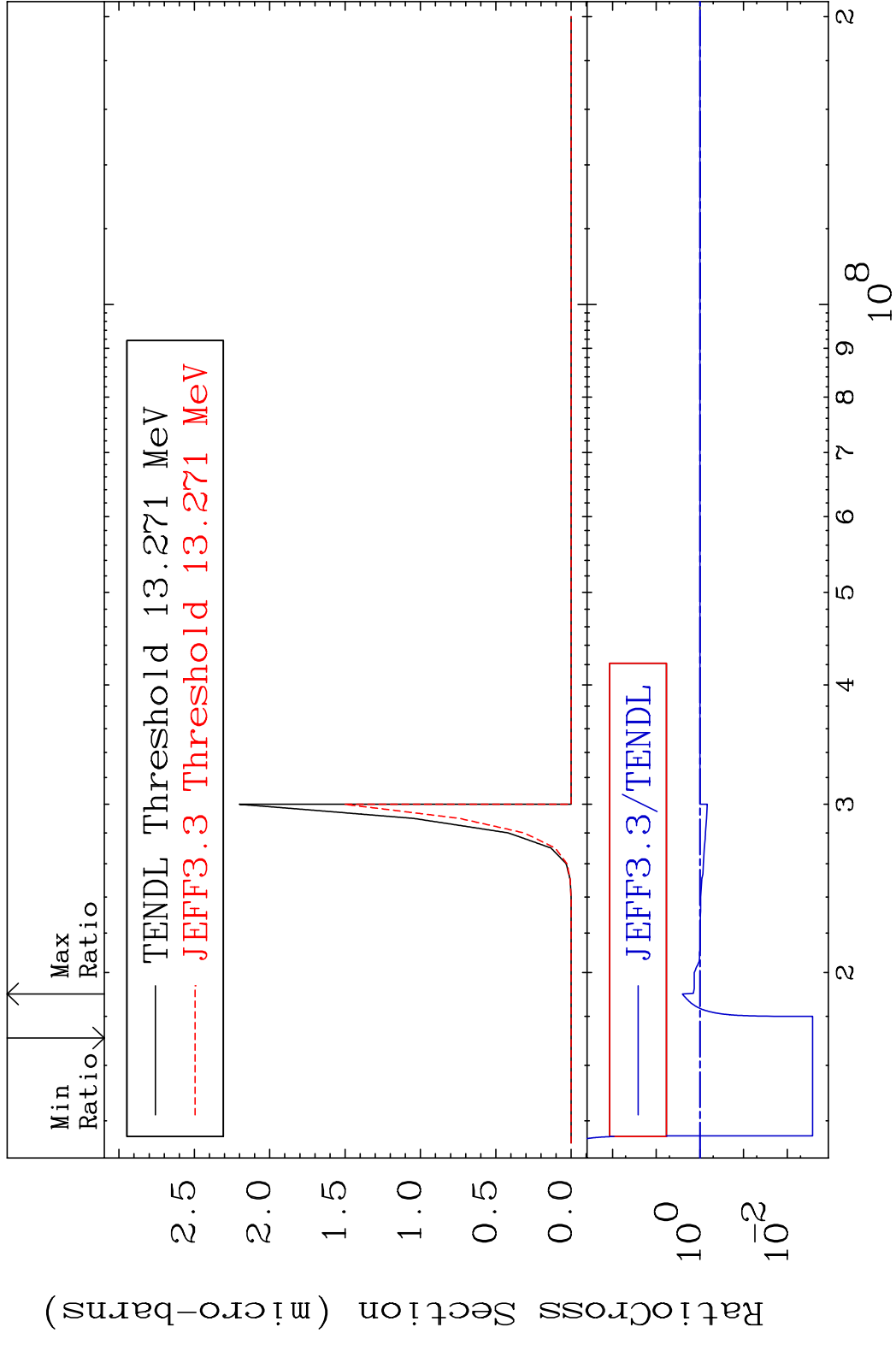


MAT 3443

(n,p)  $\alpha$

34-Se-80

Cross Section -99.74 To 152.6 %

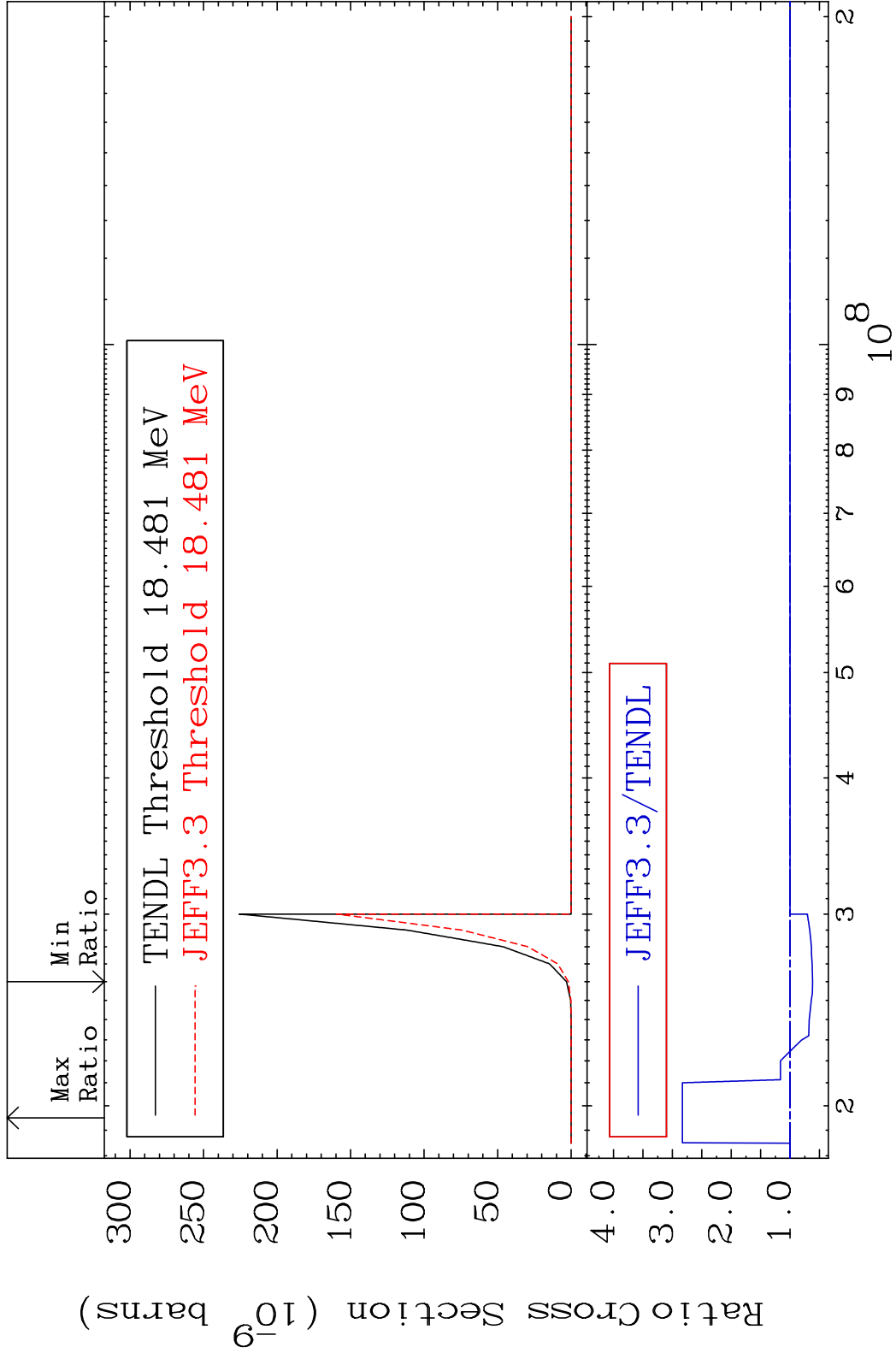


60

Incident Energy (eV)

34-Se-80

MAT 3443 (n,p) d 34-Se-80  
 Cross Section -38.25 To 183.1 %

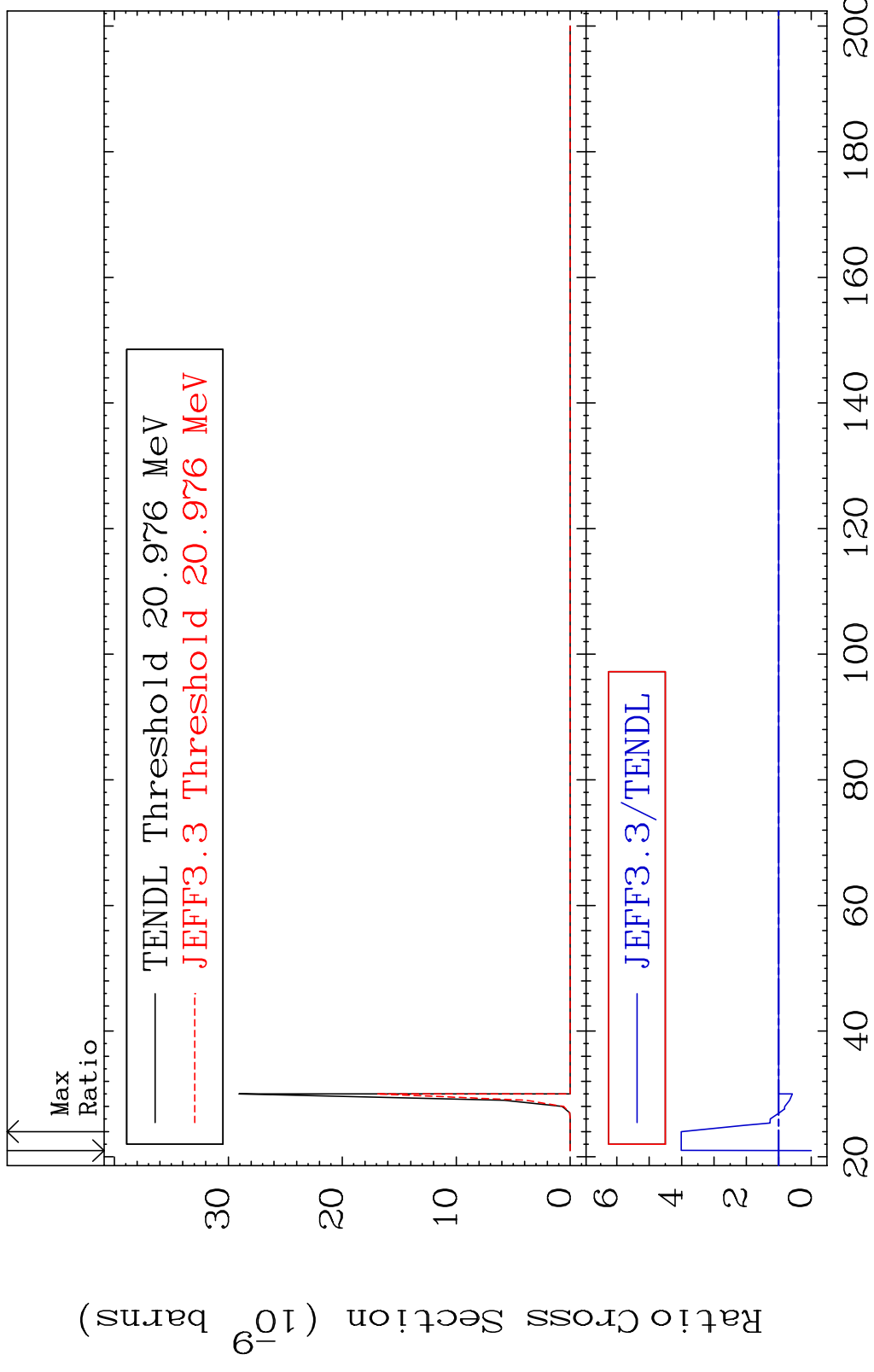


MAT 3443

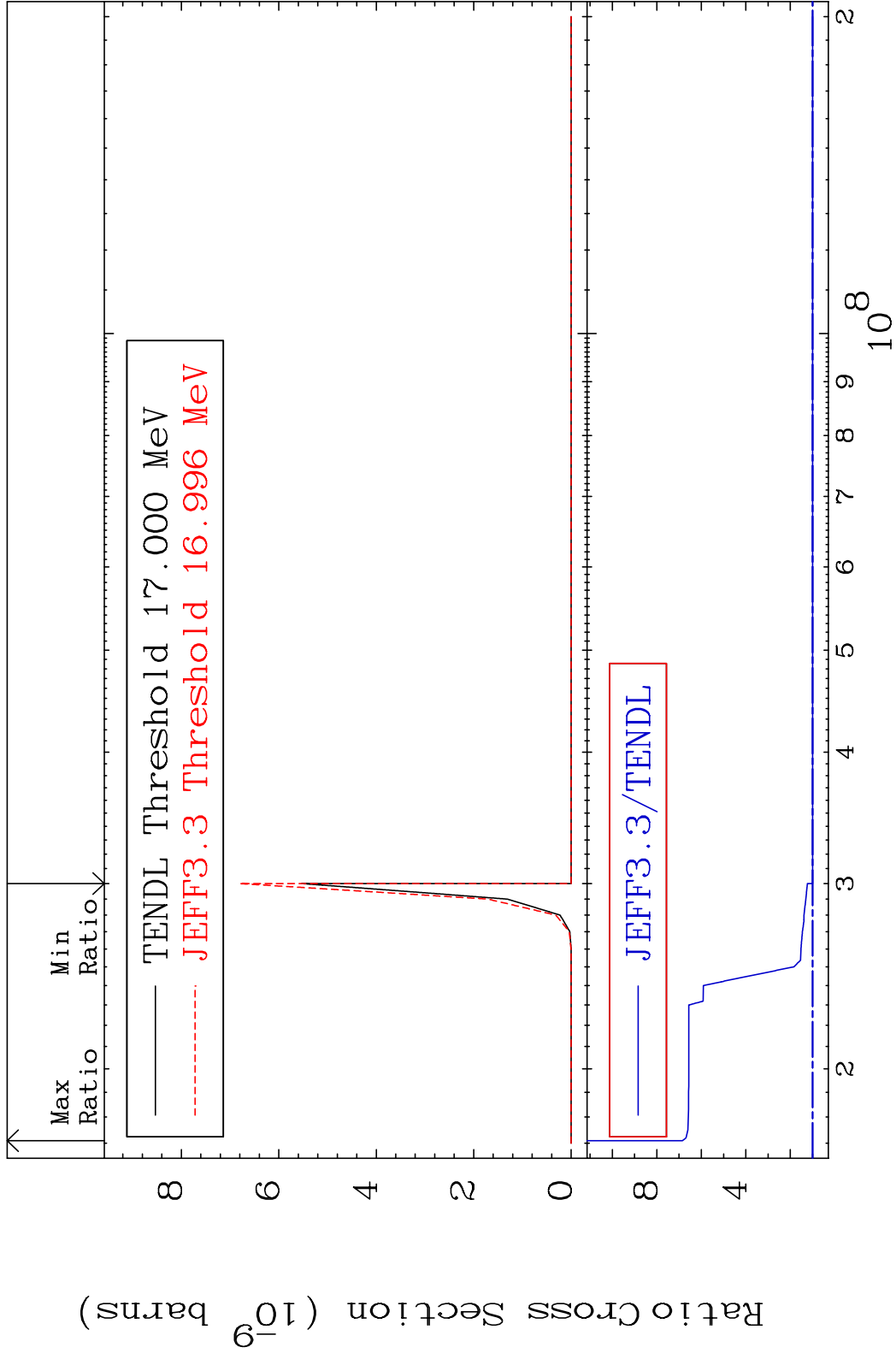
(n,p) t

34-Se-80

Cross Section -100.0 To 301.2 %

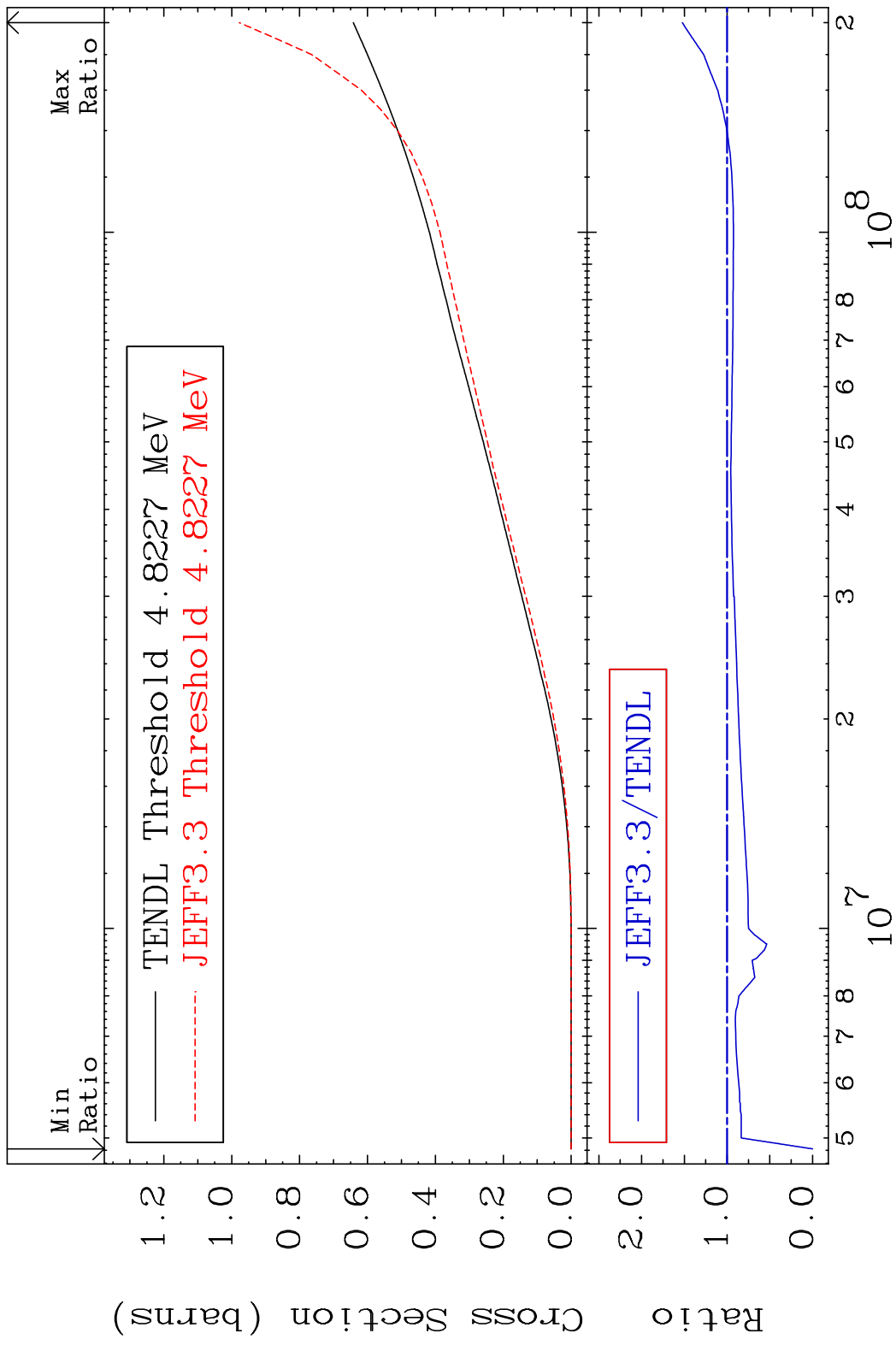


MAT 3443 (n,d)  $\alpha$  34-Se-80  
 Cross Section 0.000 To 585.2 %

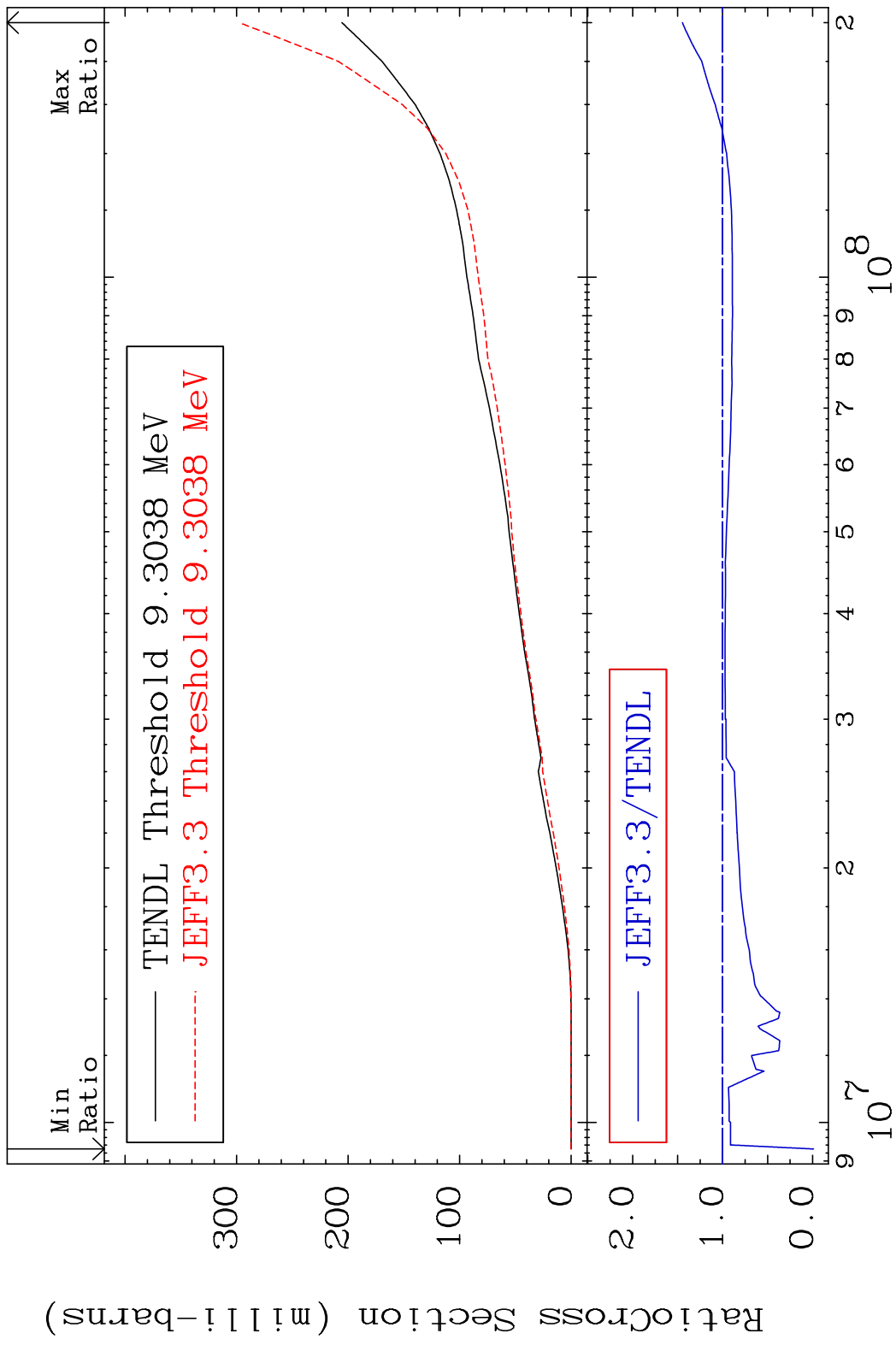




MAT 3443 Hydrogen Production 34-Se-80  
 Cross Section -100.0 To 52.32 %



MAT 3443 Deuterium Production 34-Se-80  
 Cross Section -100.0 To 44.76 %



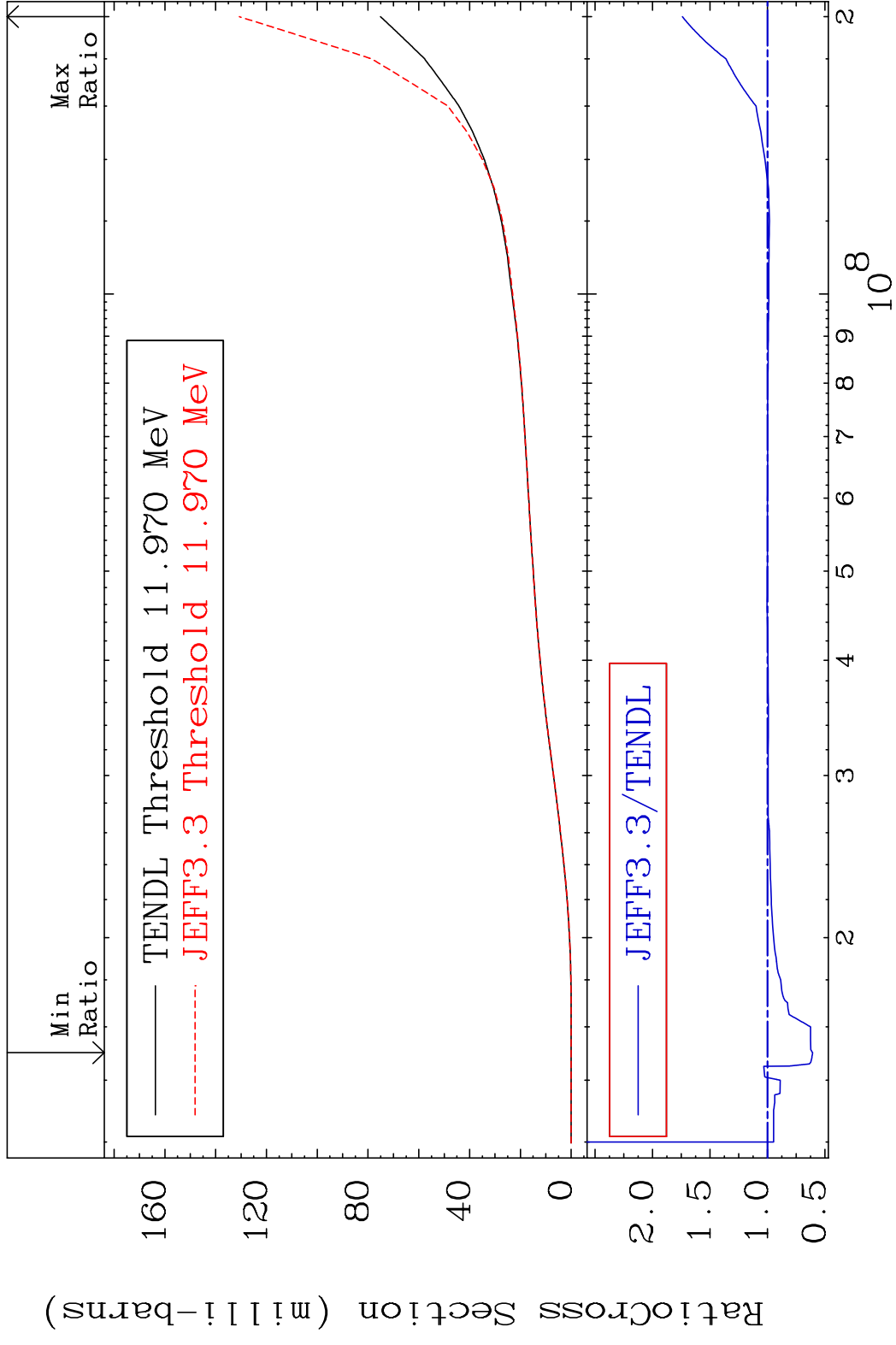
65 34-Se-80

MAT 3443

Tritium Production

34-Se-80

Cross Section -39.17 To 74.09 %

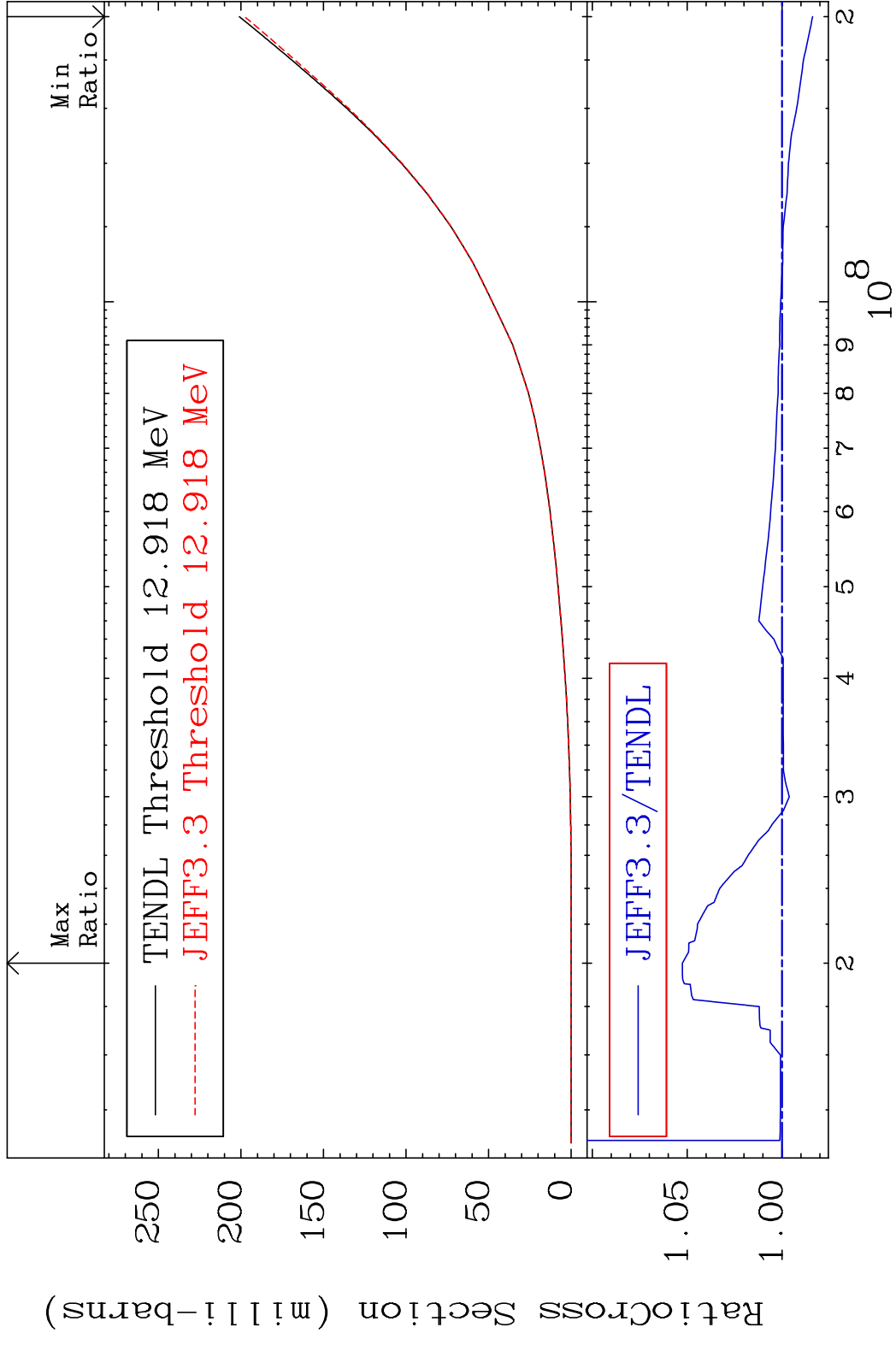


MAT 3443

He-3 Production

34-Se-80

Cross Section -1.614 To 5.254 %

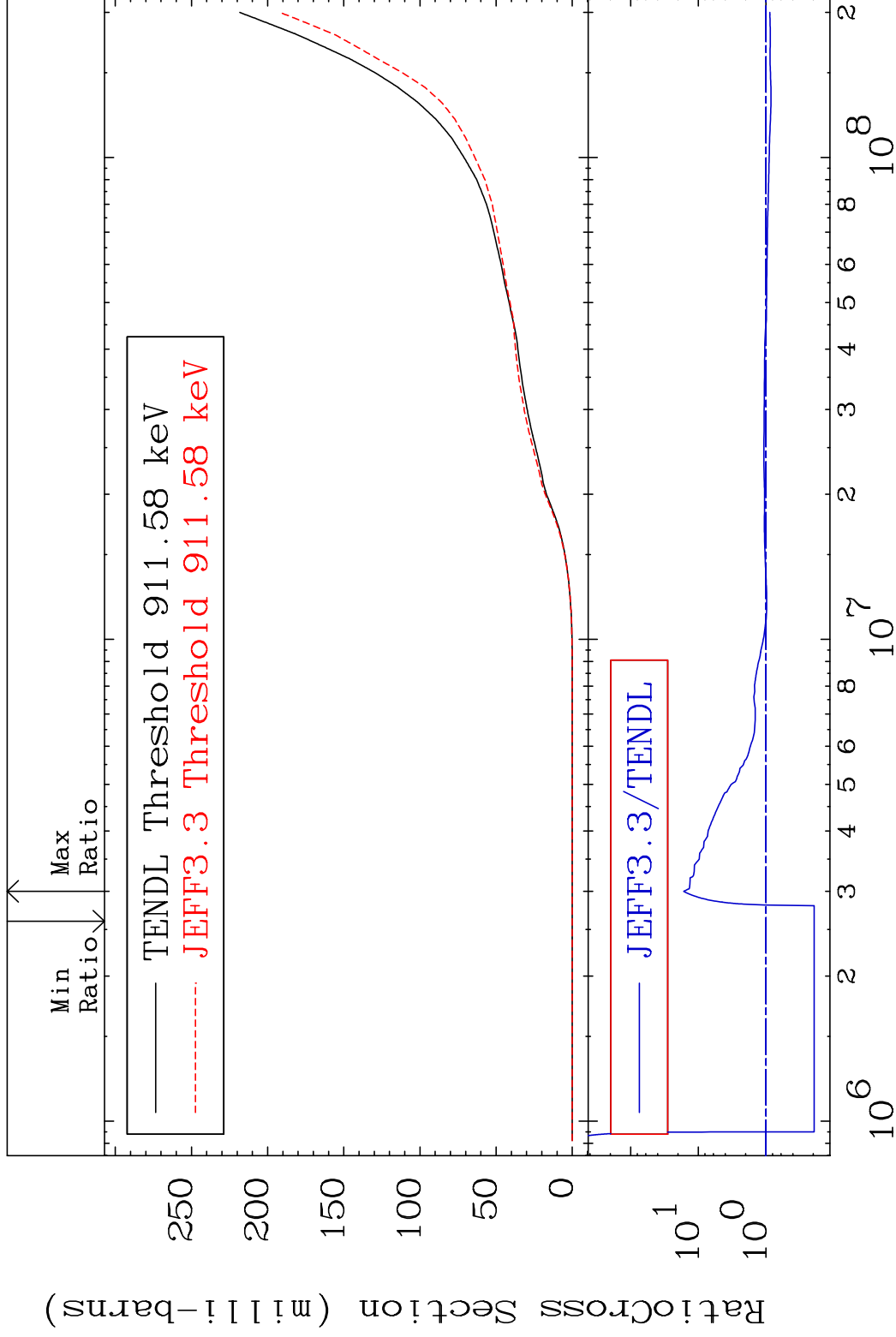


MAT 3443

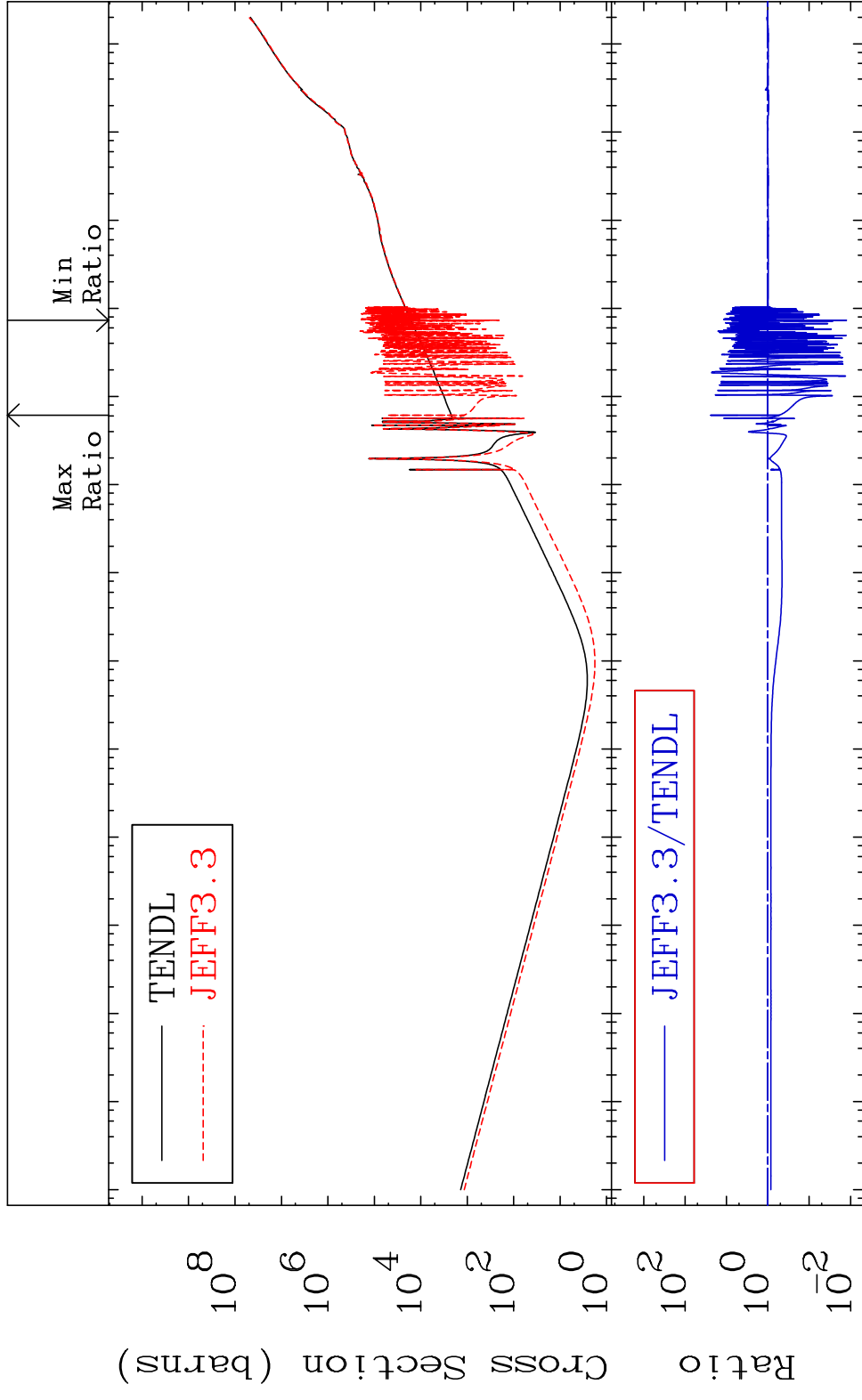
He-4 Production

34-Se-80

Cross Section -80.52 To 1551. %



MAT 3443 Kerma total (eV-barns) 34-Se-80  
 Cross Section -98.73 To 2300. %

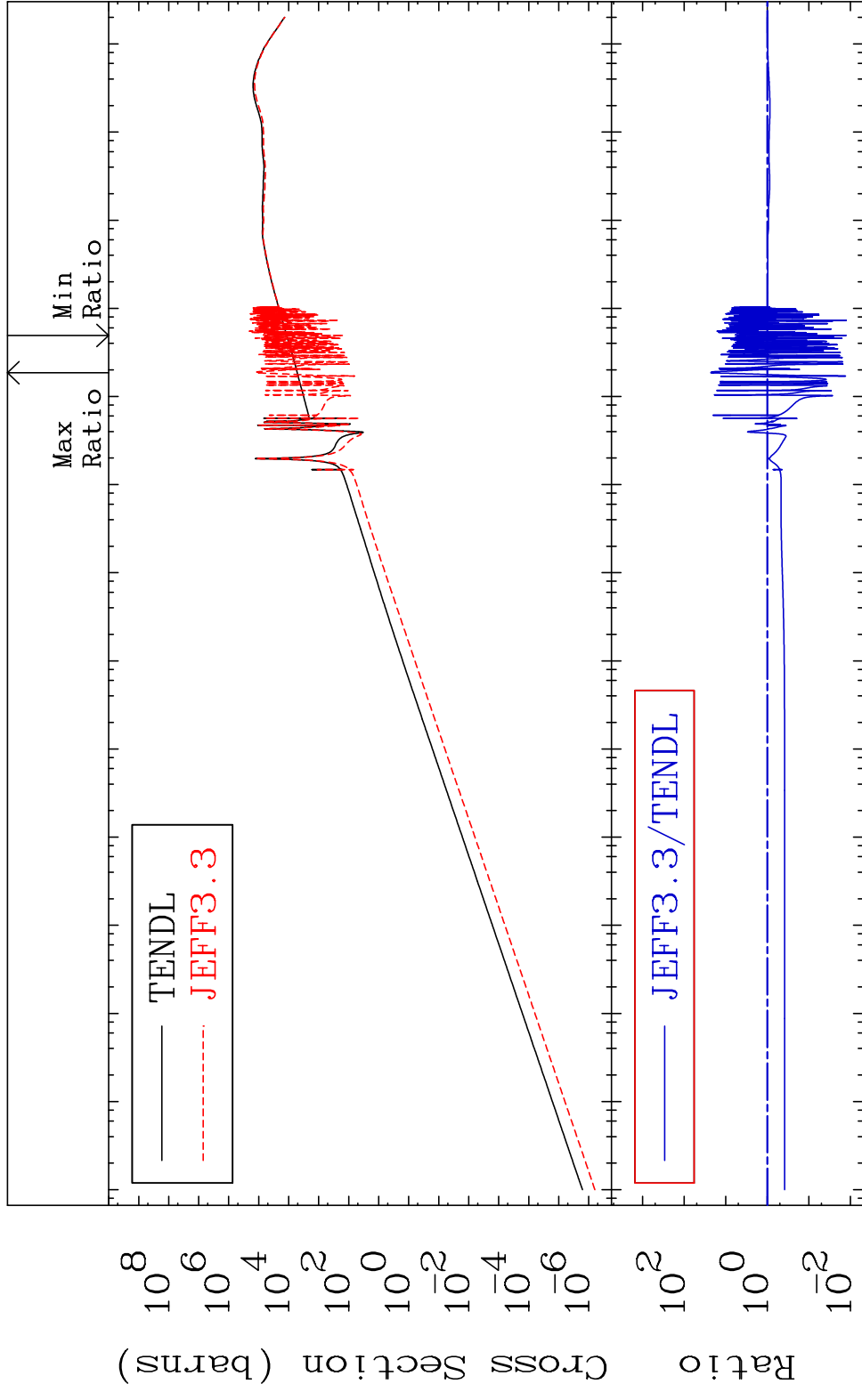


69 Incident Energy (eV) 34-Se-80

MAT 3443

Kerma elastic  
Cross Section

34-Se-80  
-98.75 To 2194. %

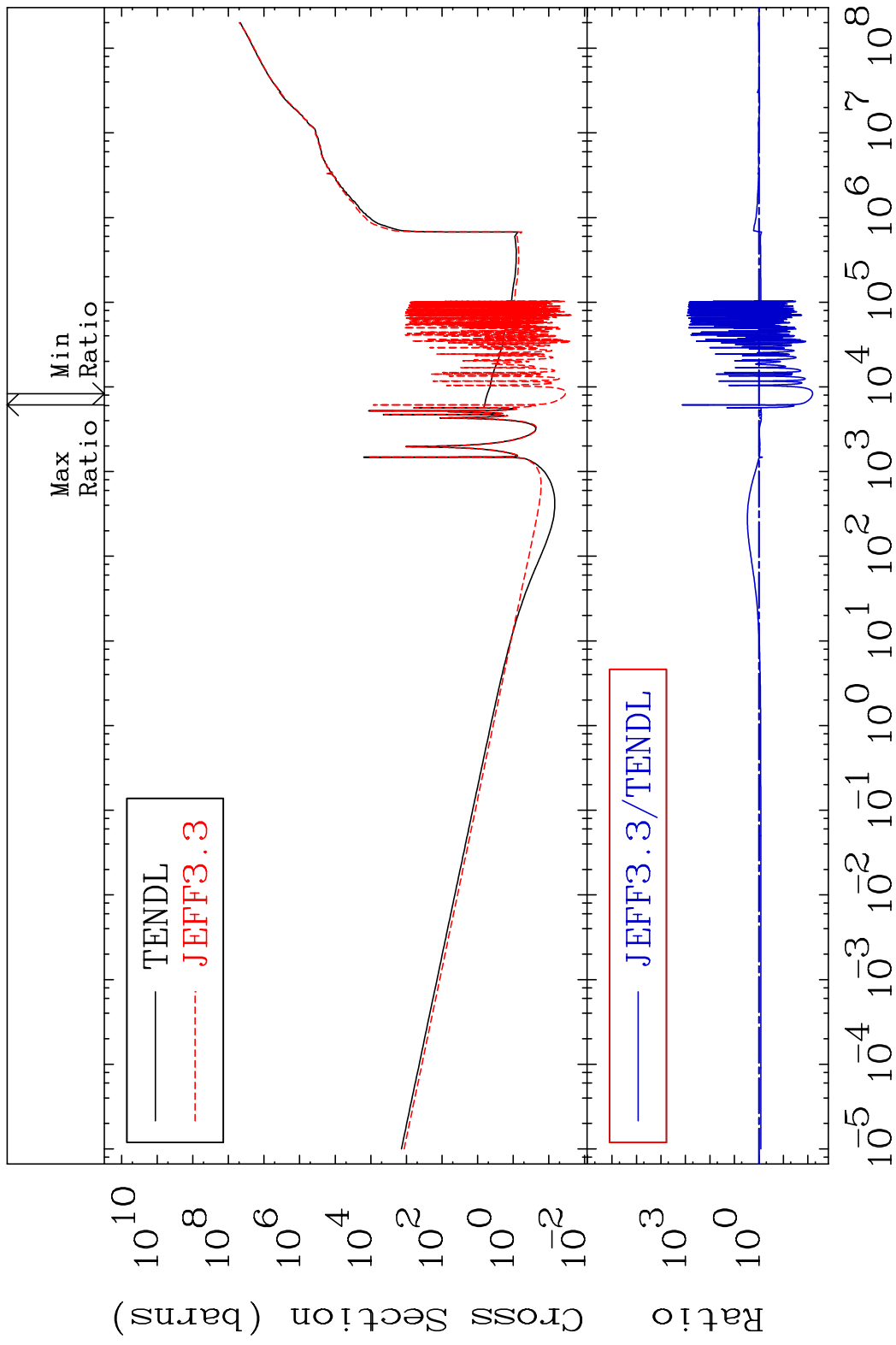


70

Incident Energy (eV)

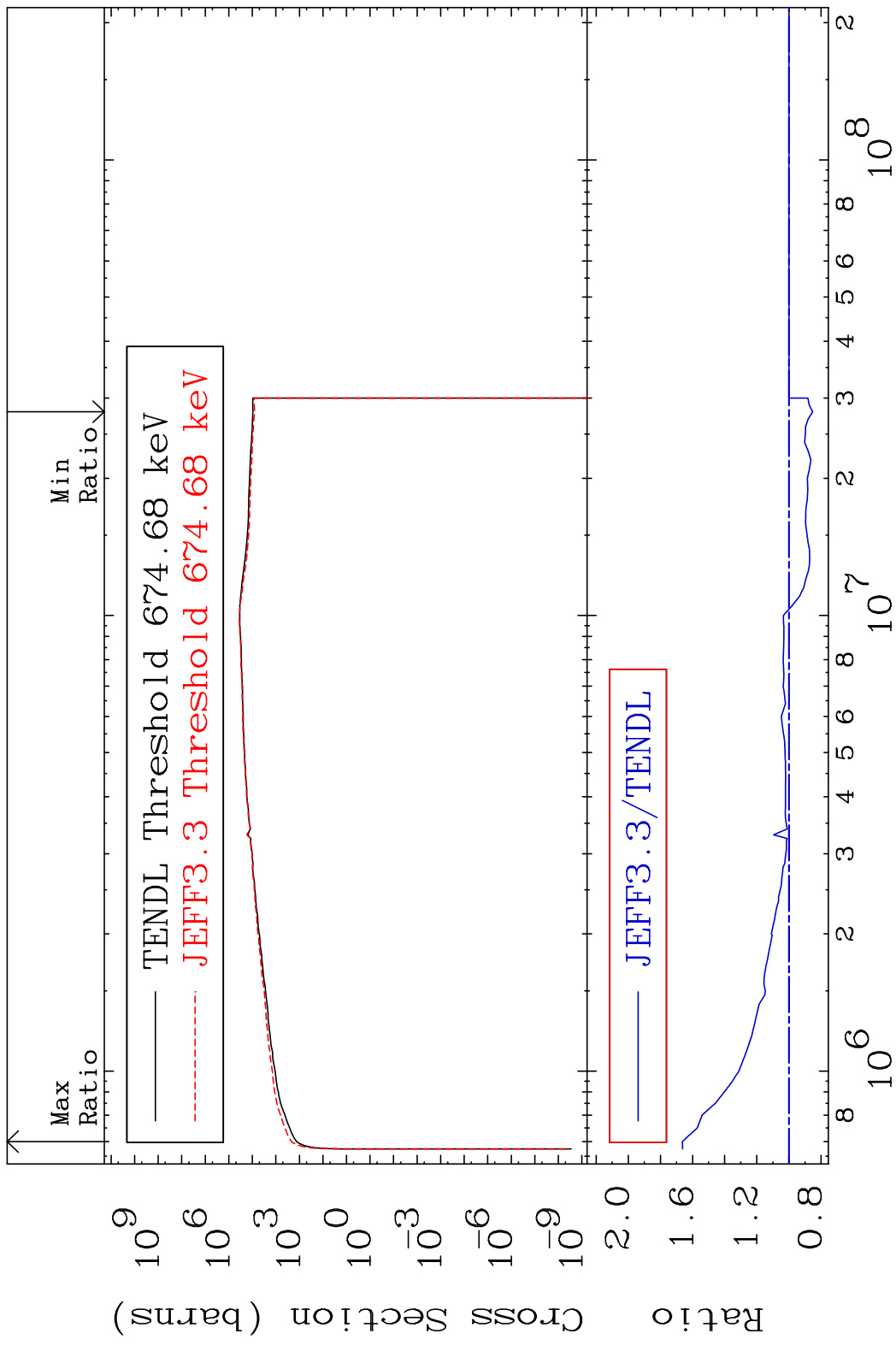
34-Se-80

MAT 3443 Kerma non-elastic (all but mt2) 34-Se-80  
 Cross Section -99.36 To 9999. %

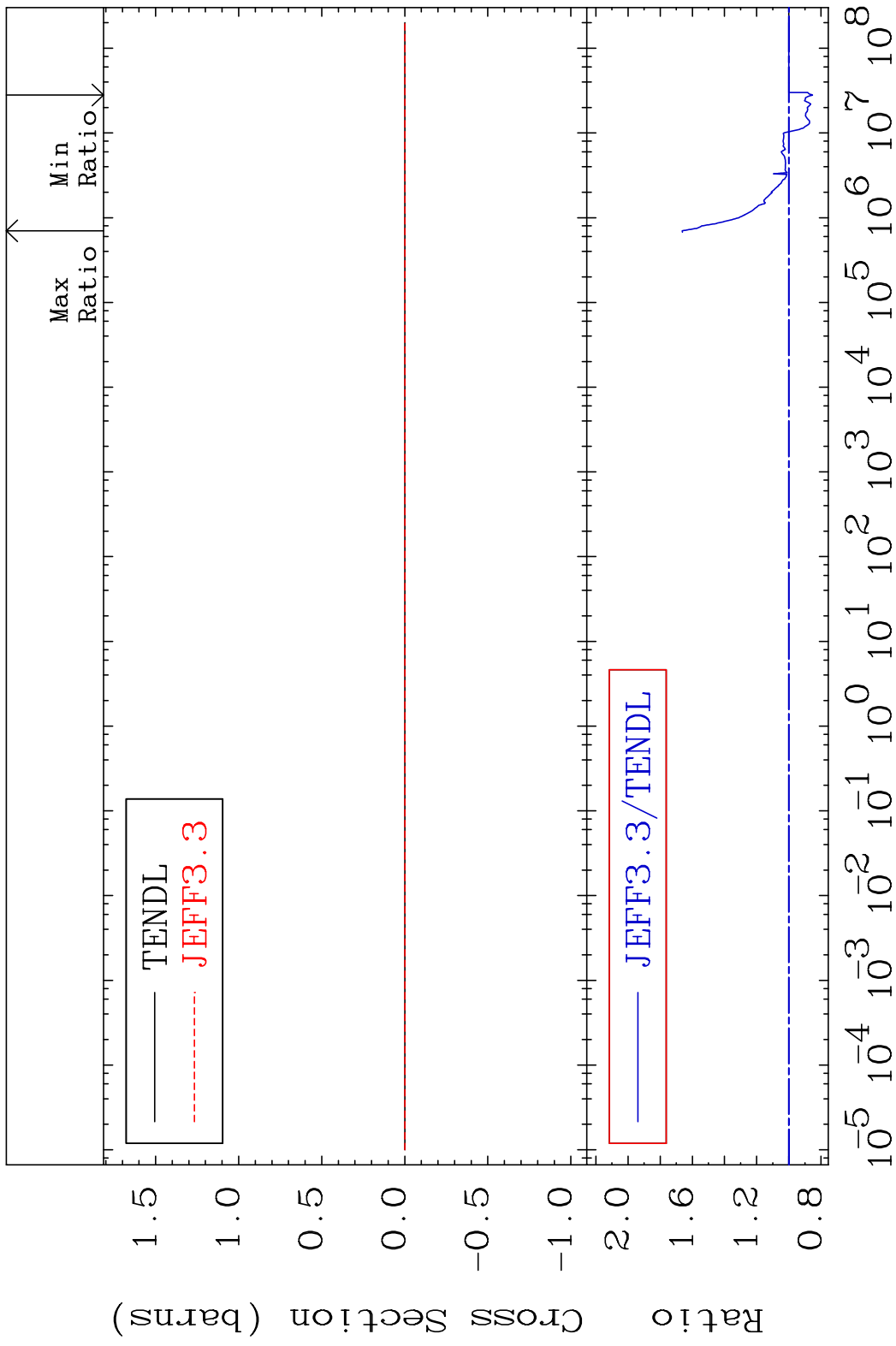




MAT 3443 Kerma inelastic (mt51-91) 34-Se-80  
 Cross Section -14.70 To 66.34 %

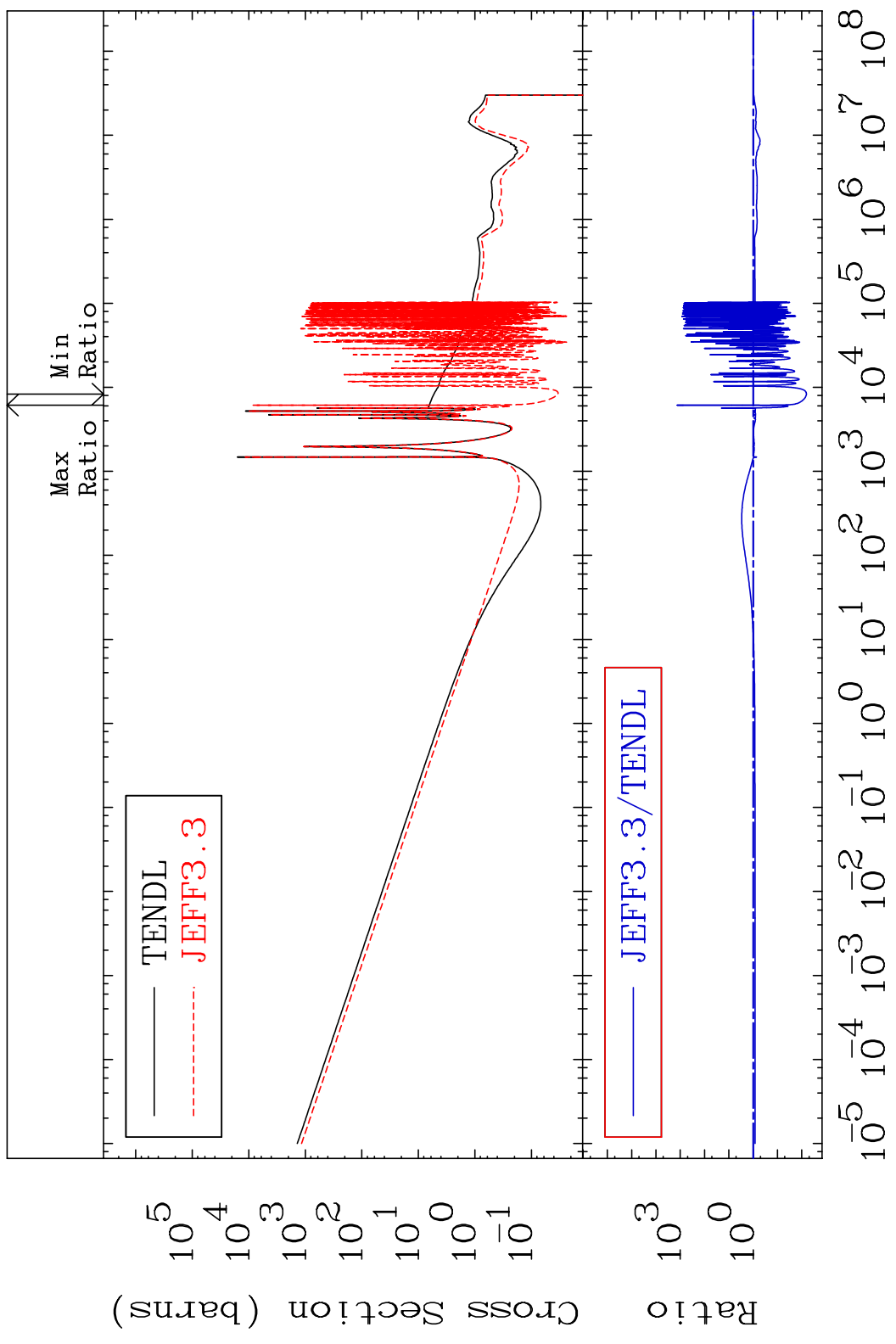


MAT 3443 Kerma fission (mt18 or mt19-20-21-38) 34-Se-80  
 Cross Section -14.70 To 66.34 %



MAT 3443

Kerma capture (mt102) 34-Se-80  
Cross Section -99.36 To 9999. %

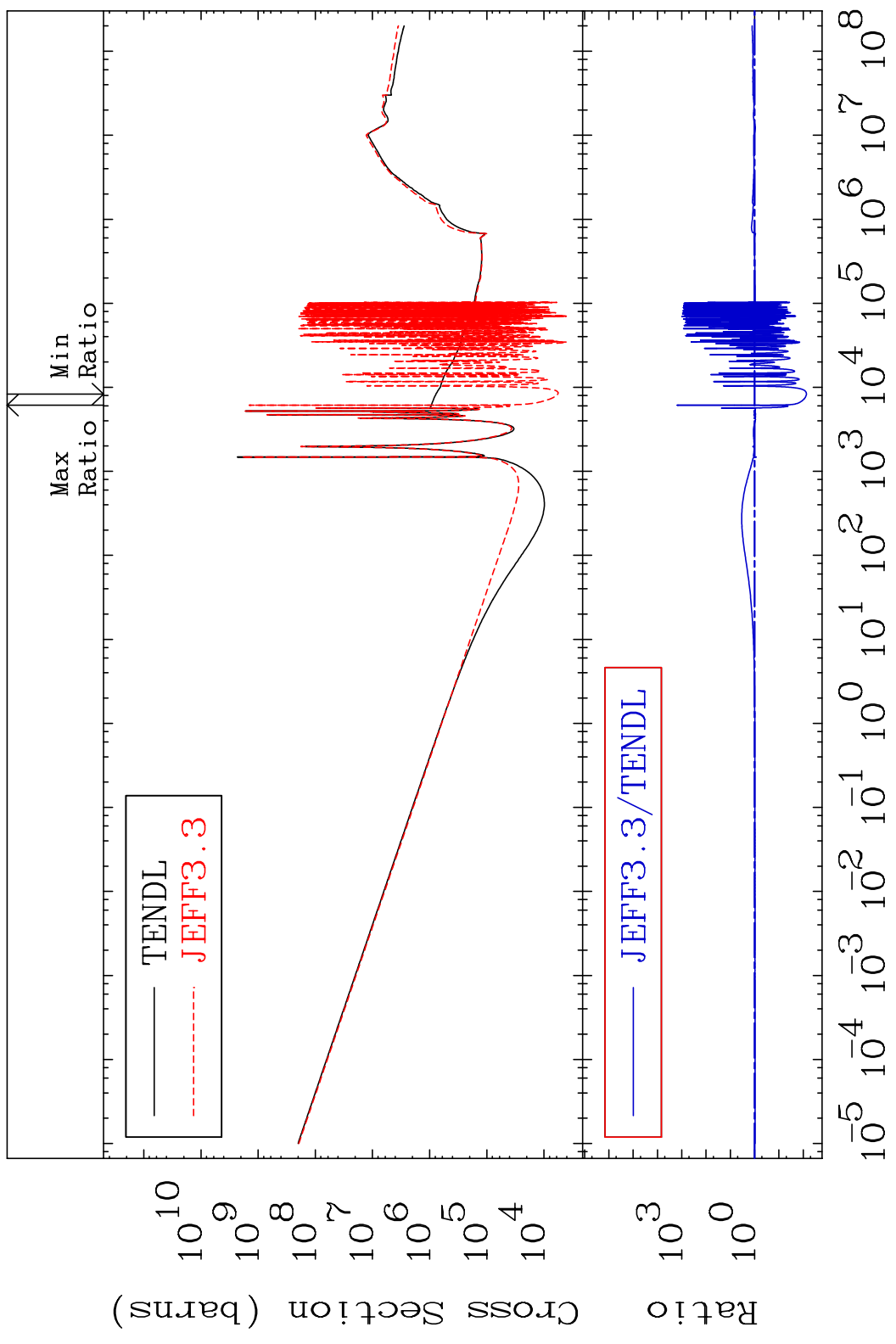


74

Incident Energy (eV) 34-Se-80

MAT 3443

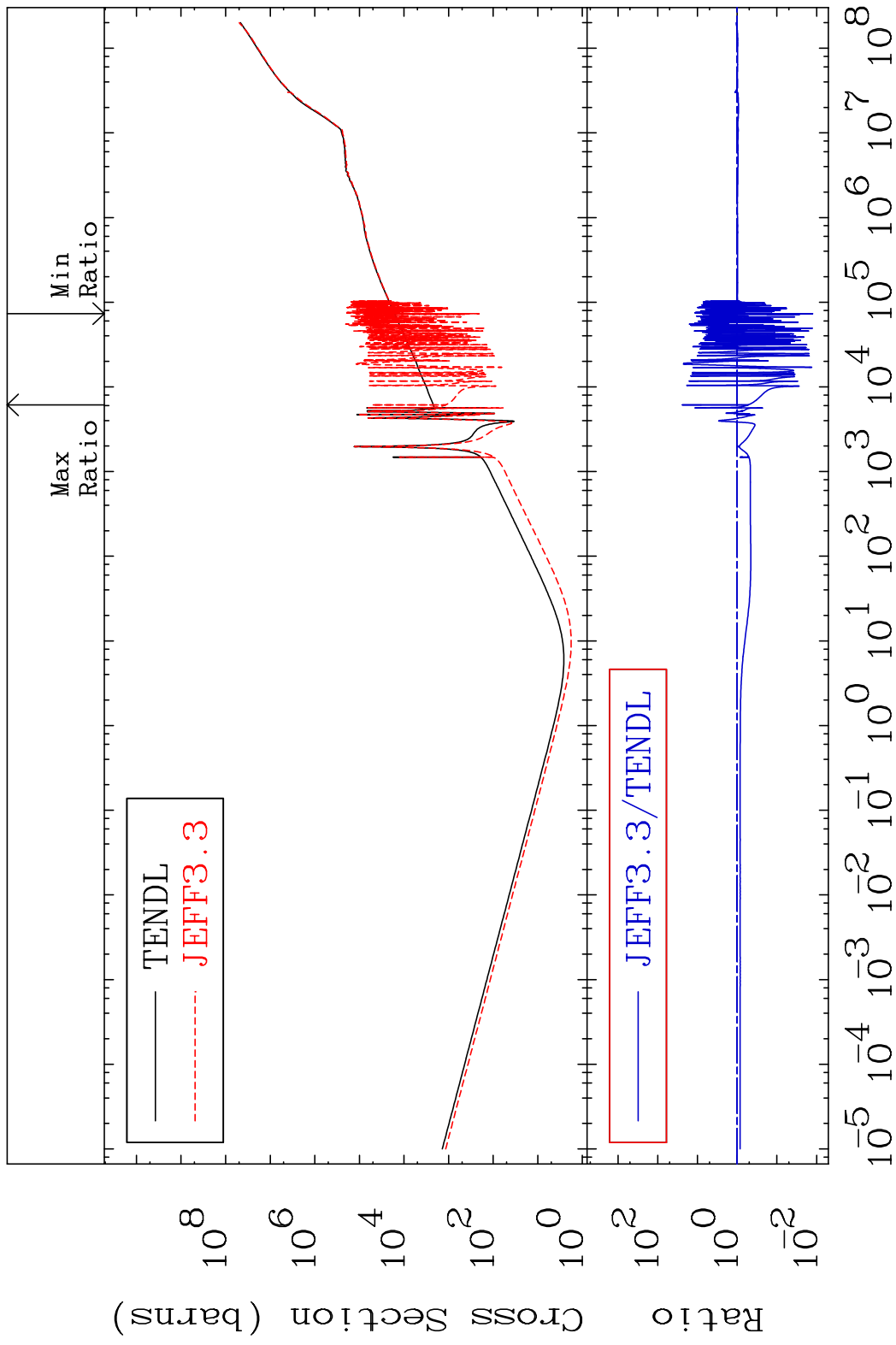
Total photon (eV-barns) 34-Se-80  
Cross Section -99.26 To 9999. %



75

Incident Energy (eV) 34-Se-80

MAT 3443 Total kinematic kerma (high limit) 34-Se-80  
 Cross Section -98.73 To 2300. %

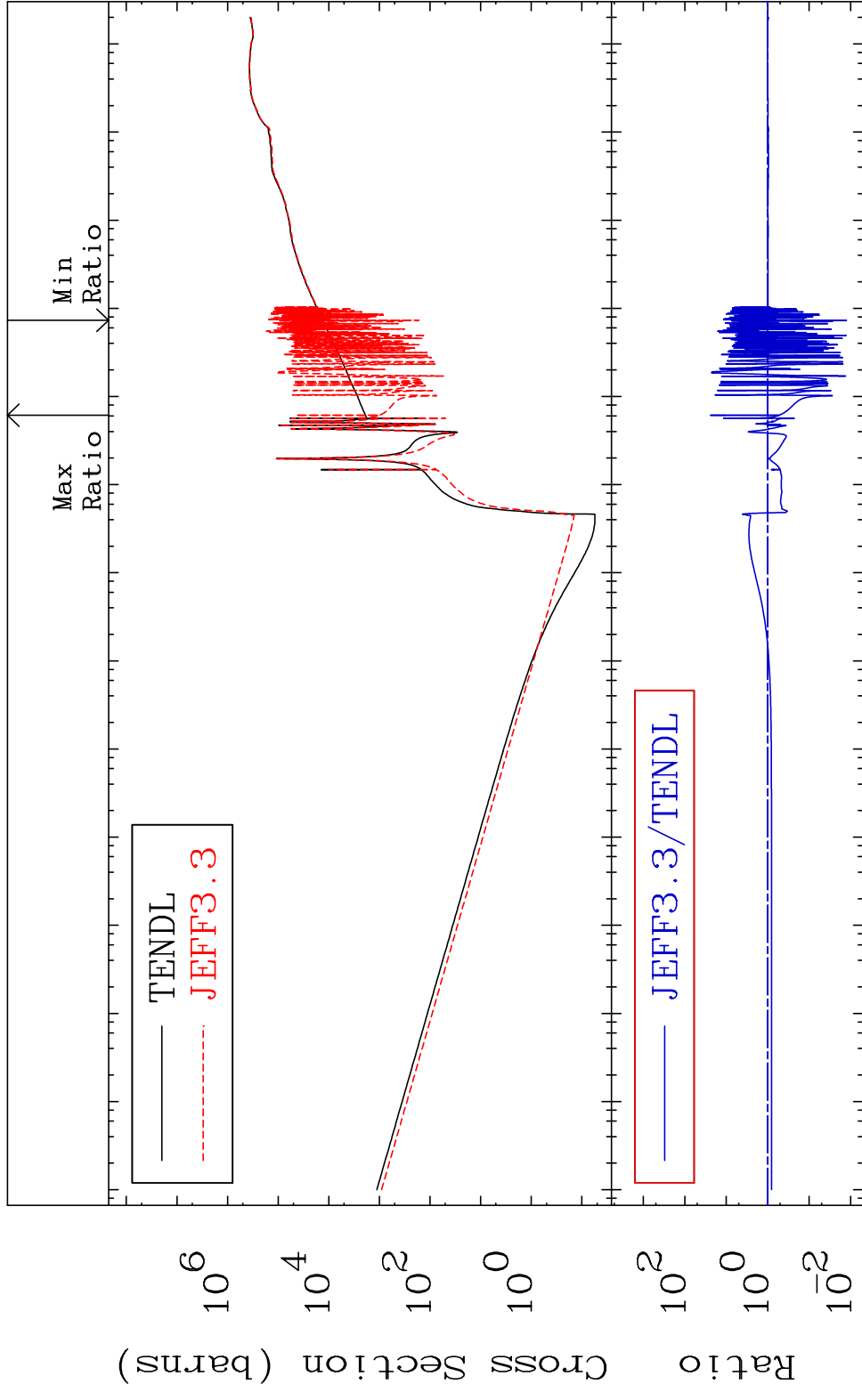


MAT 3443

Dpa total (eV-barns)

34-Se-80

Cross Section -98.73 To 2264. %



77

Incident Energy (eV)

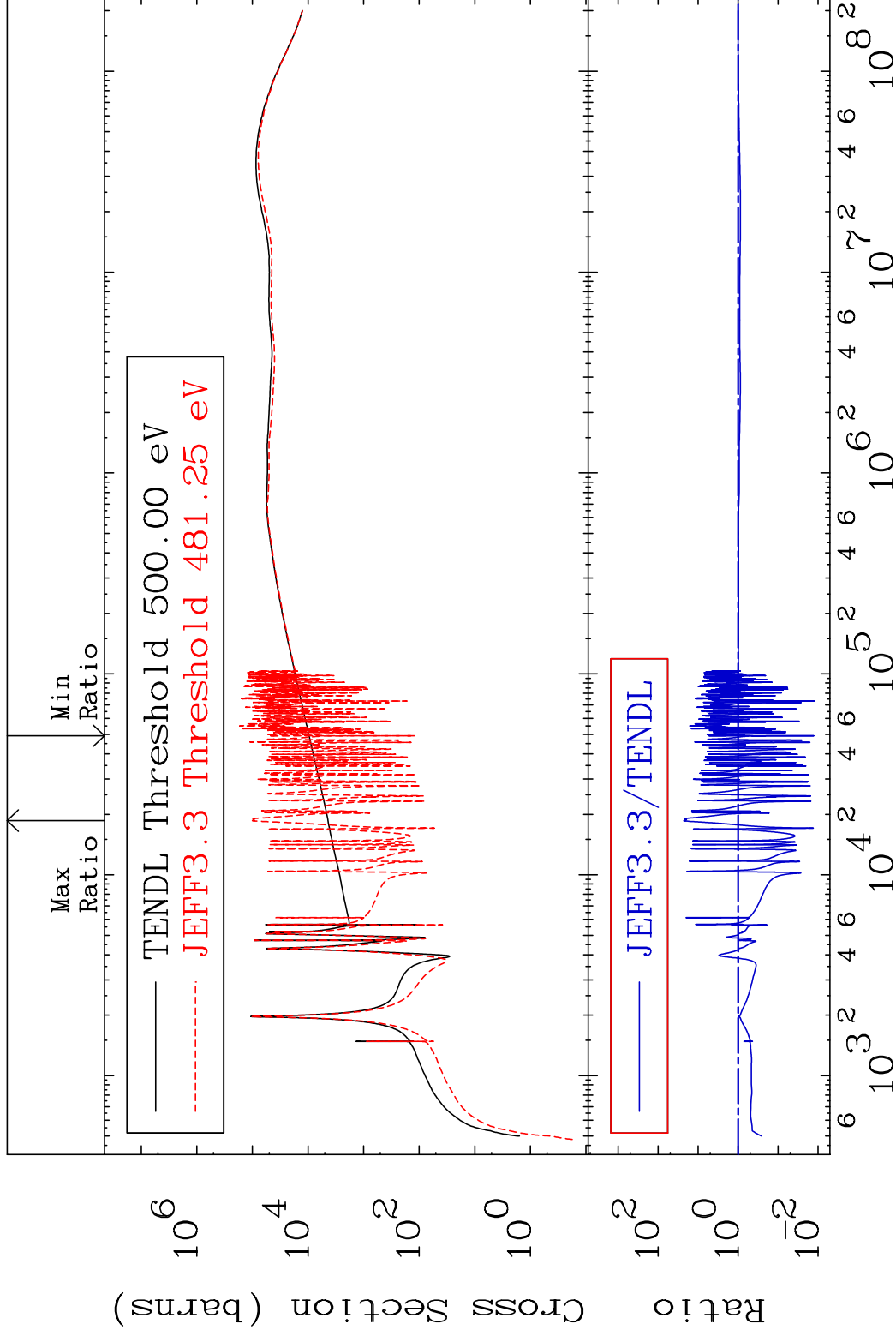
34-Se-80

MAT 3443

Dpa elastic (mt2)

34-Se-80

Cross Section -98.75 To 2194. %



78

Incident Energy (eV)

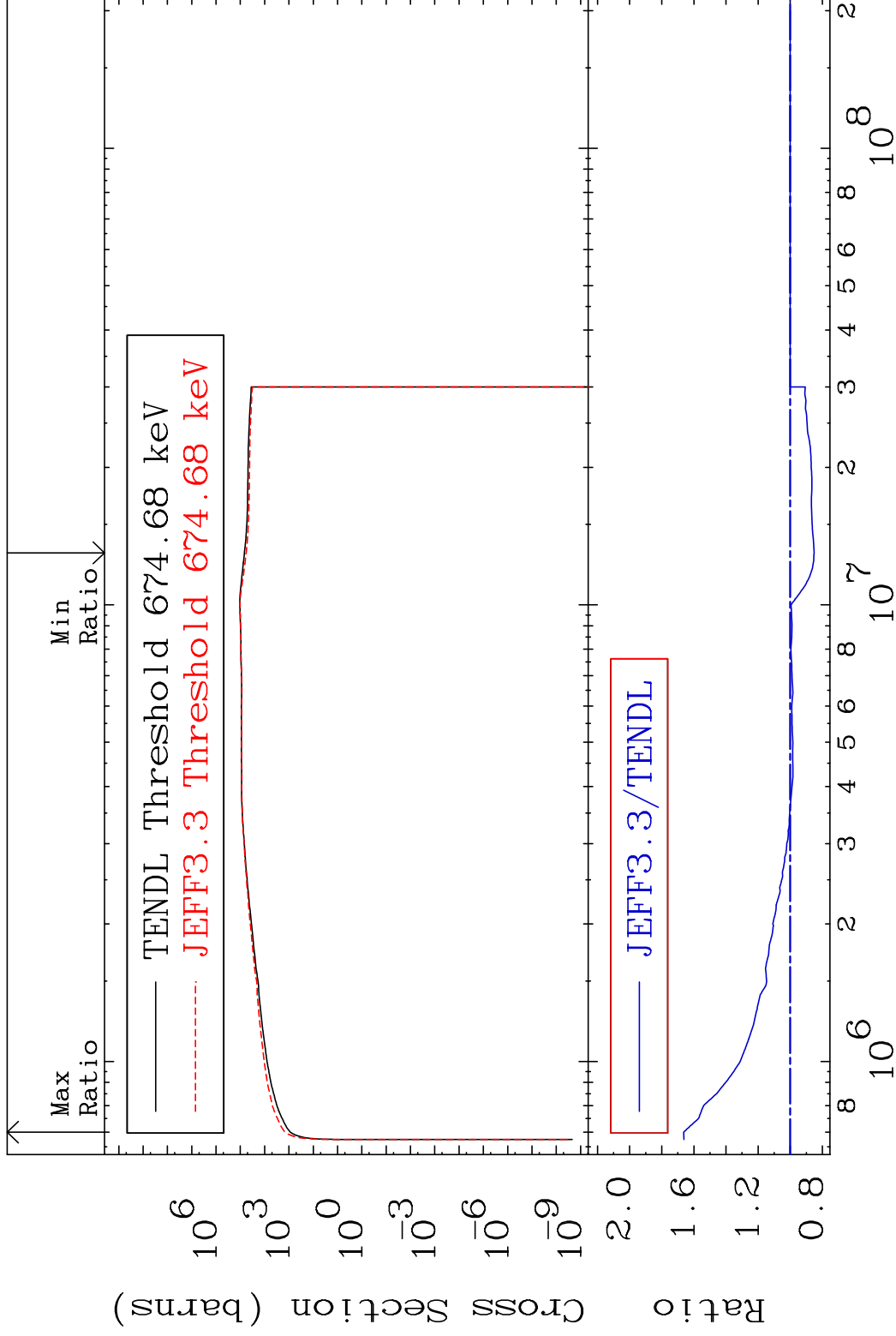
34-Se-80

MAT 3443

Dpa inelastic (mt51-91)

<sup>34</sup>Se-80

Cross Section -14.88 To 66.36 %



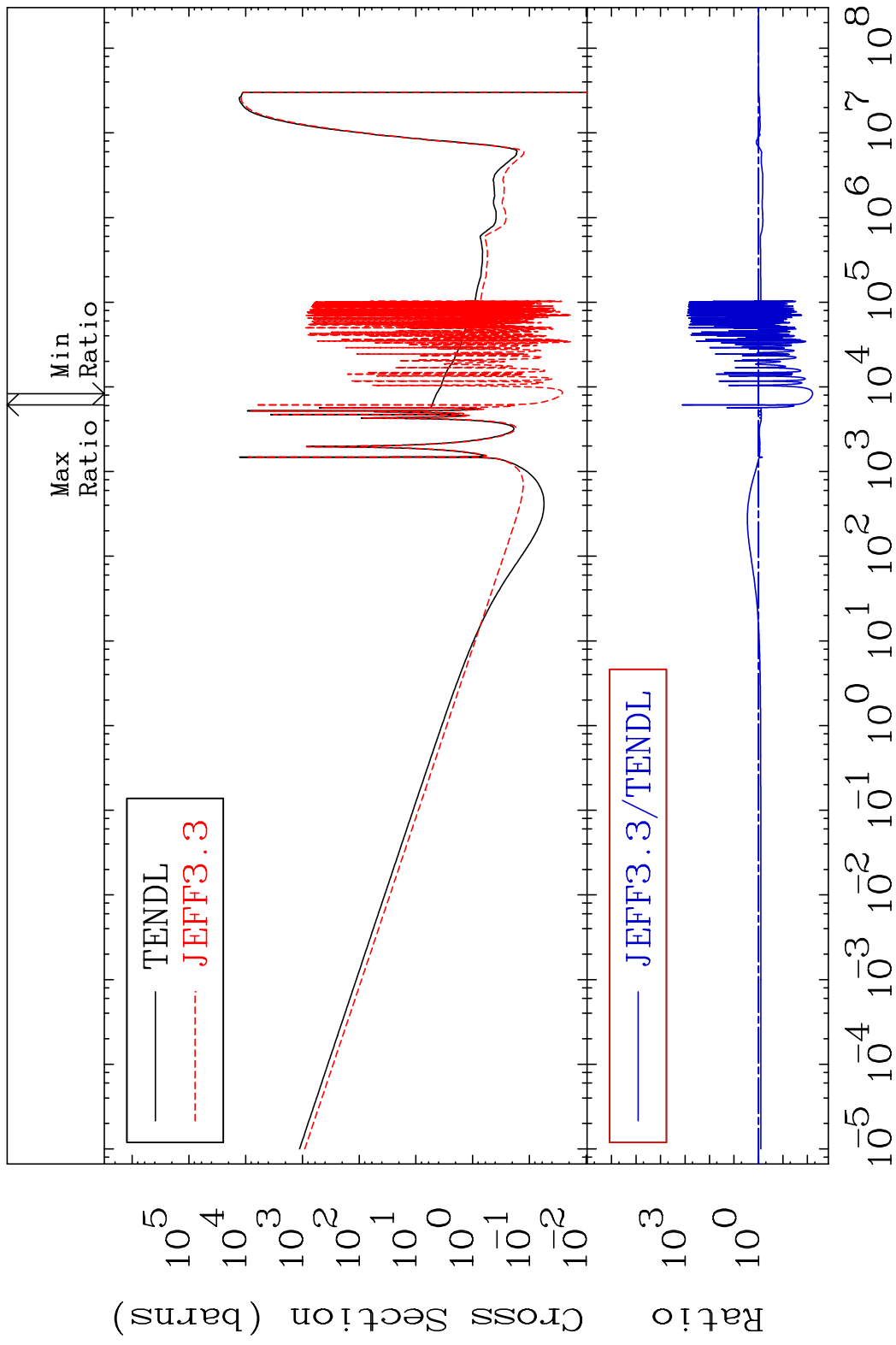
79

Incident Energy (eV)

<sup>34</sup>Se-80

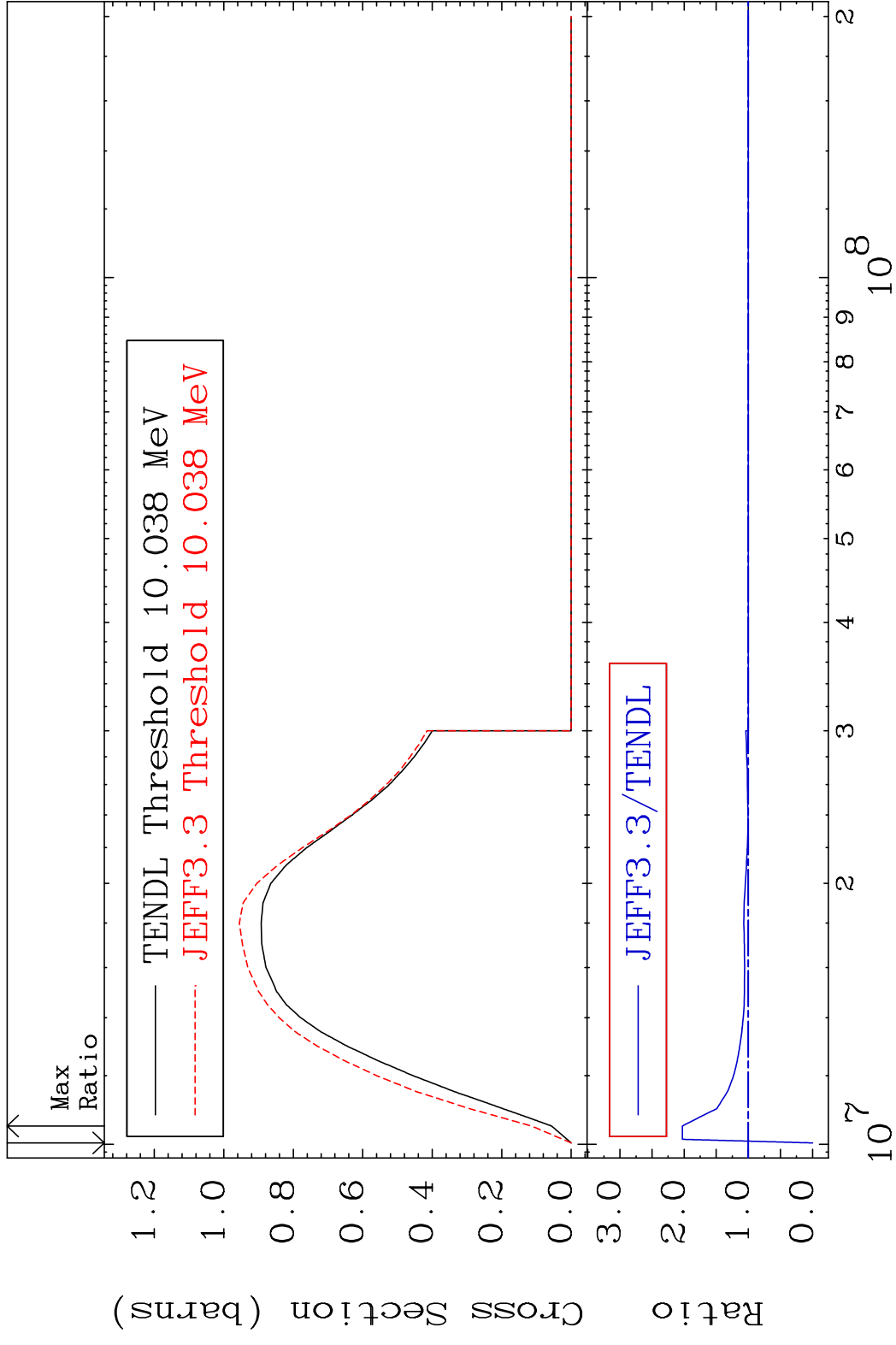


MAT 3443 Dpa disappearance (mt102 -120) 34-Se-80  
 Cross Section -99.38 To 9999. %

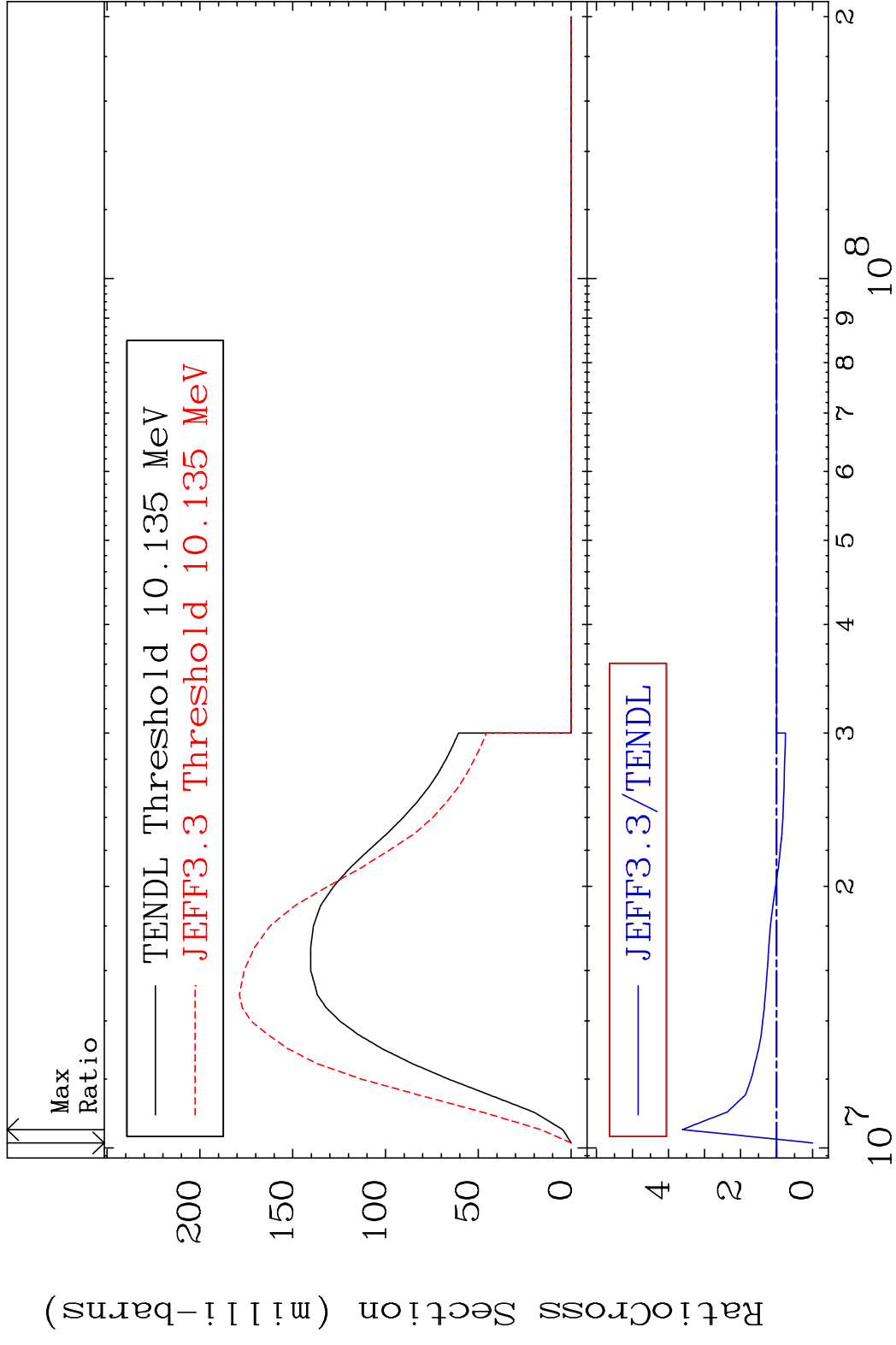


80 Incident Energy (eV) 34-Se-80

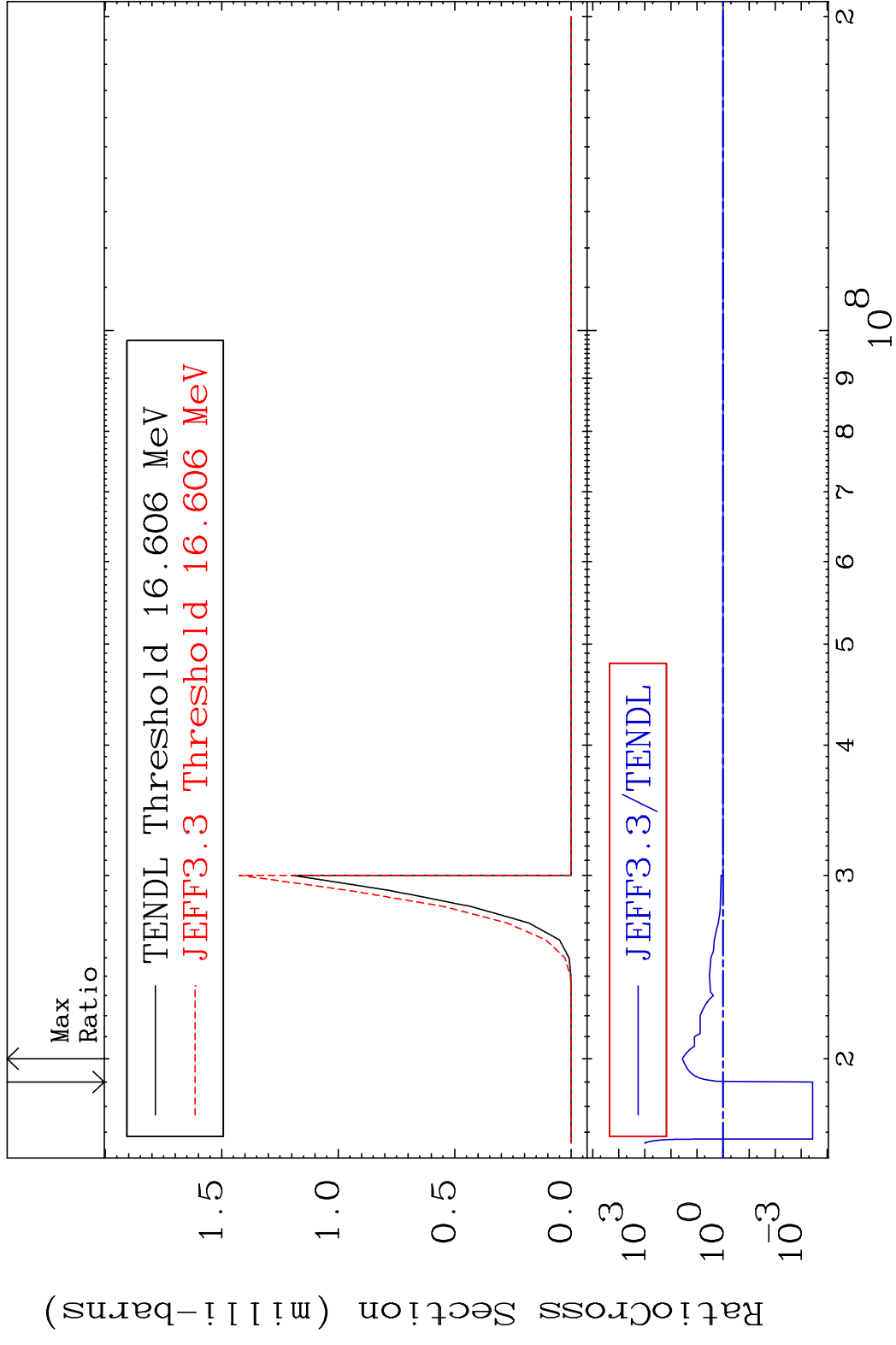
MAT 3443 (n,2n):34-Se-79g 34-Se-80  
 Radionuclide Production Cross Section 100.0 dth 102.8 %



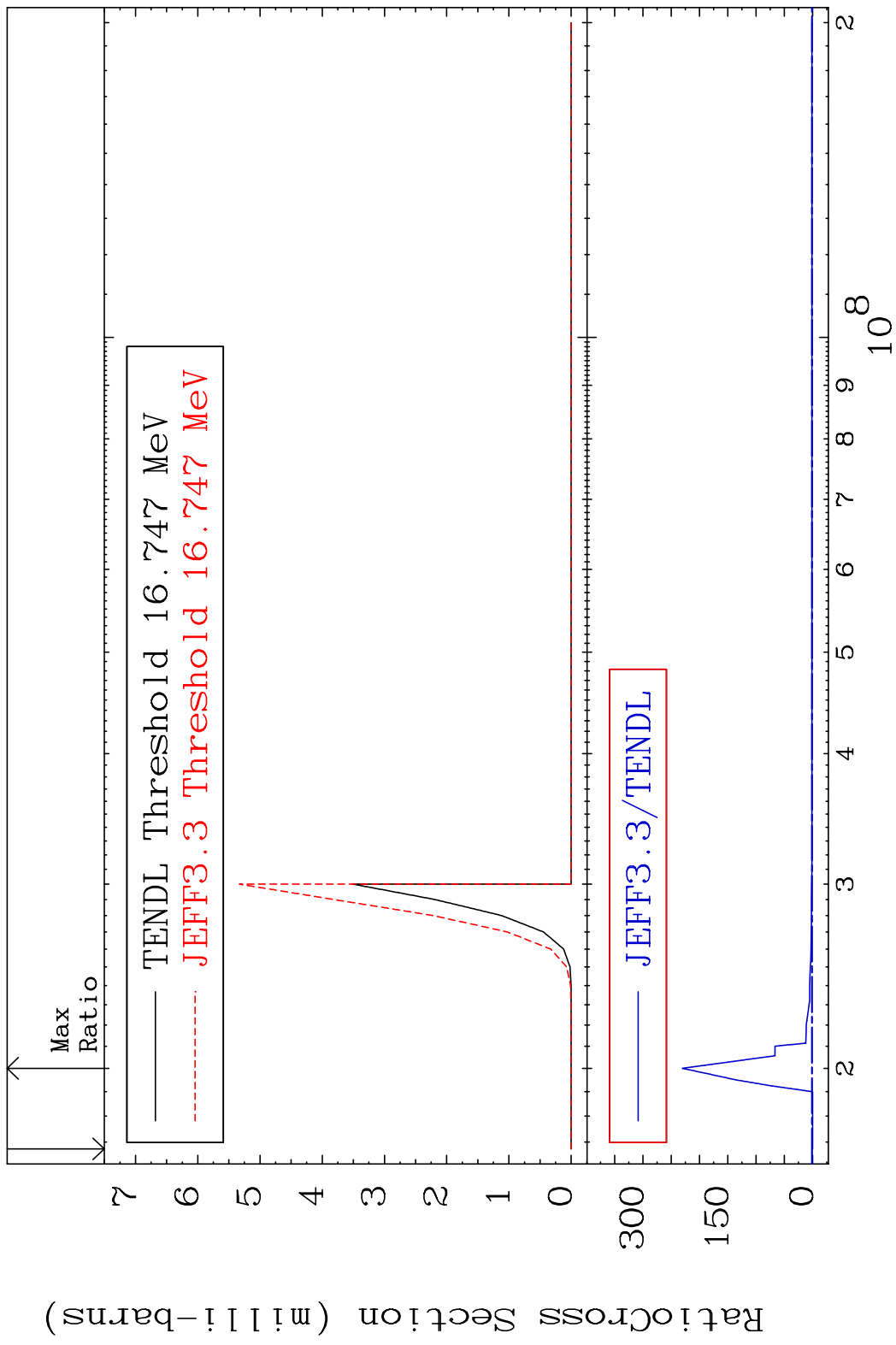
MAT 3443 (n,2n):34-Se-79m1 34-Se-80  
 Radionuclide Production Cross Section Ratio 261.4 %



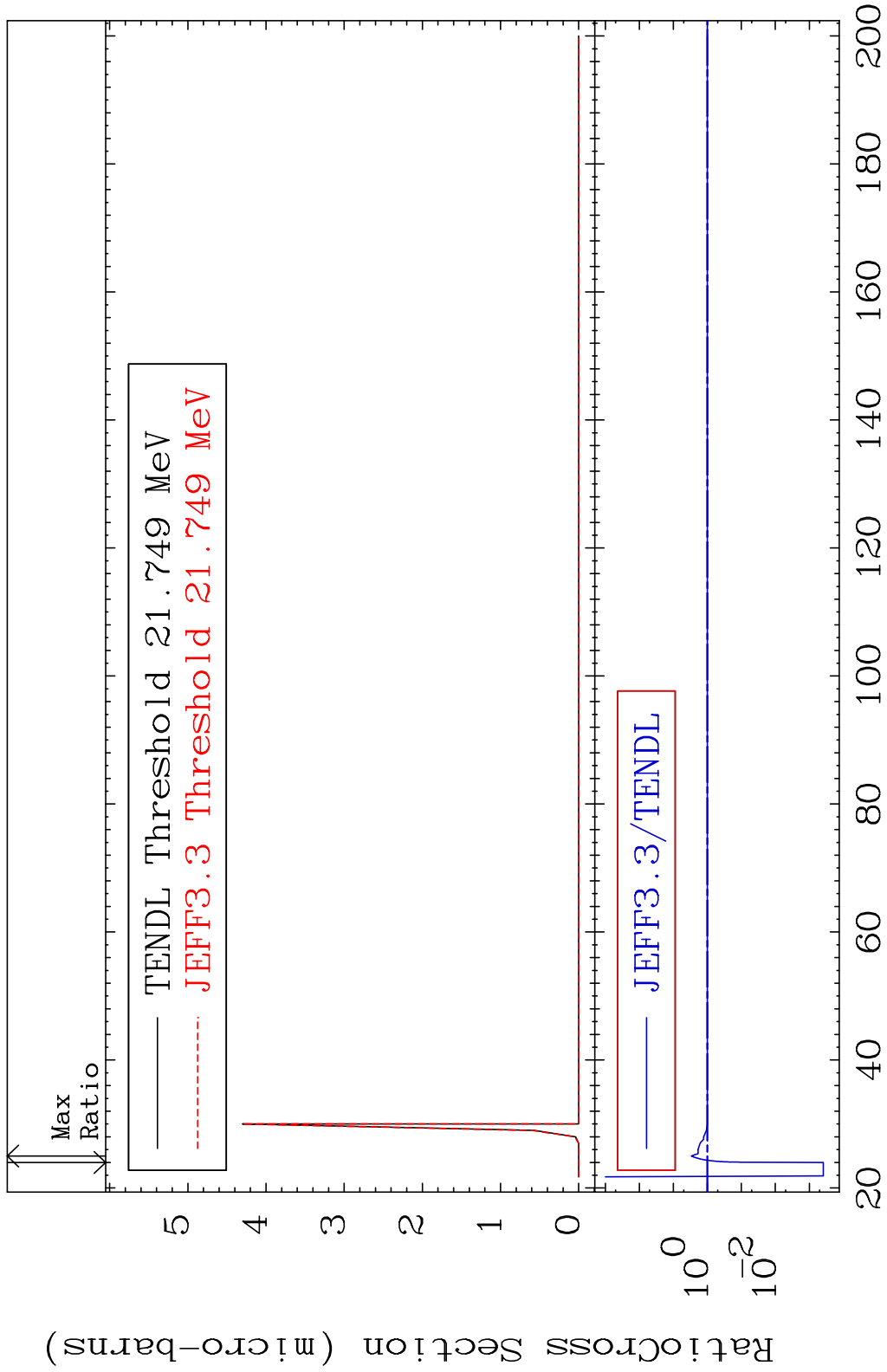
MAT 3443 (n,2n)  $\alpha$ :32-Ge-75g 34-Se-80  
 Radionuclide Production Cross Section 98.961 d to 3538. %



MAT 3443 (n,2n)  $\alpha$ :32-Ge-75m2 34-Se-80  
 Radionuclide Production Cross Section Ratio

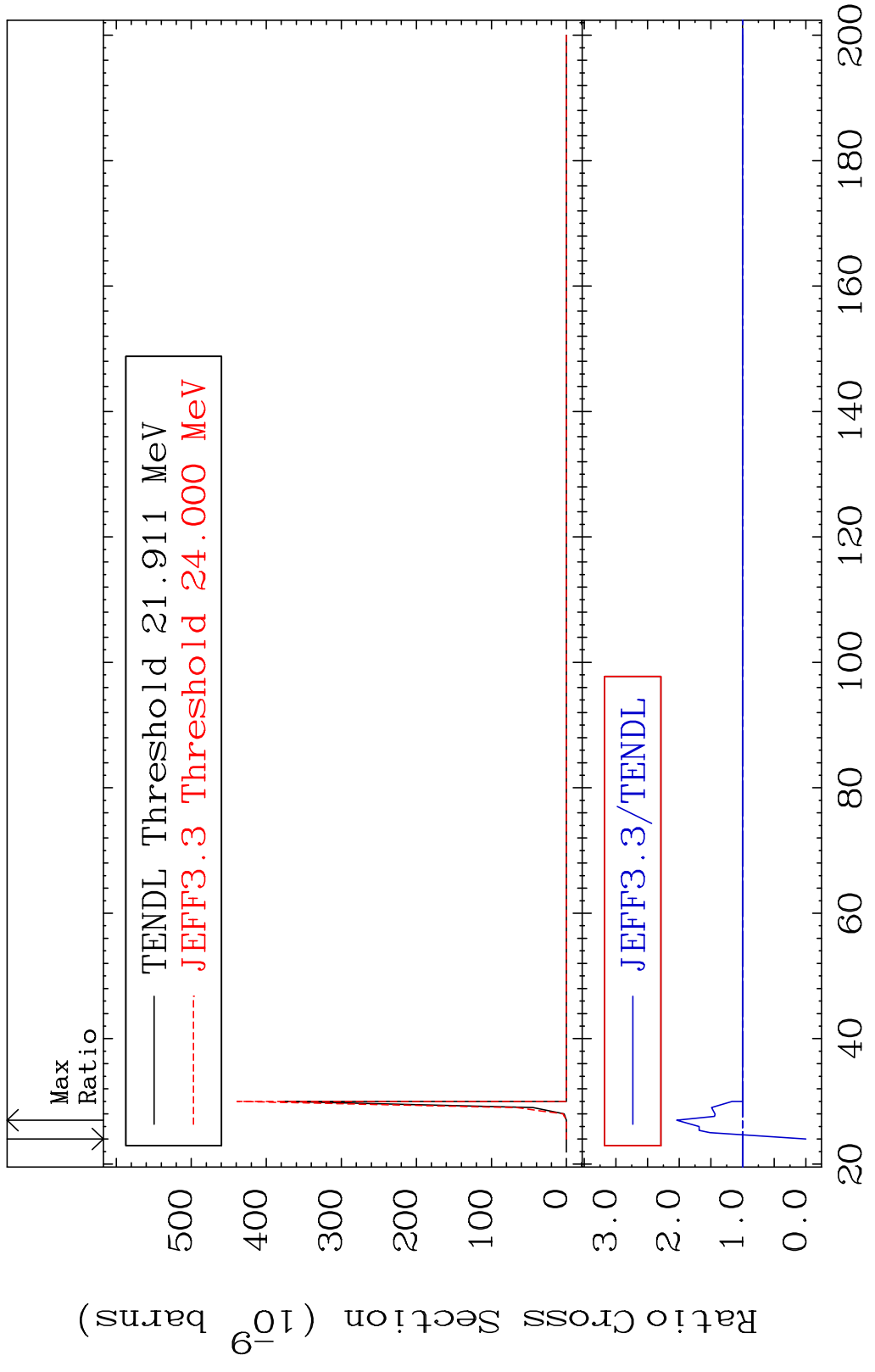


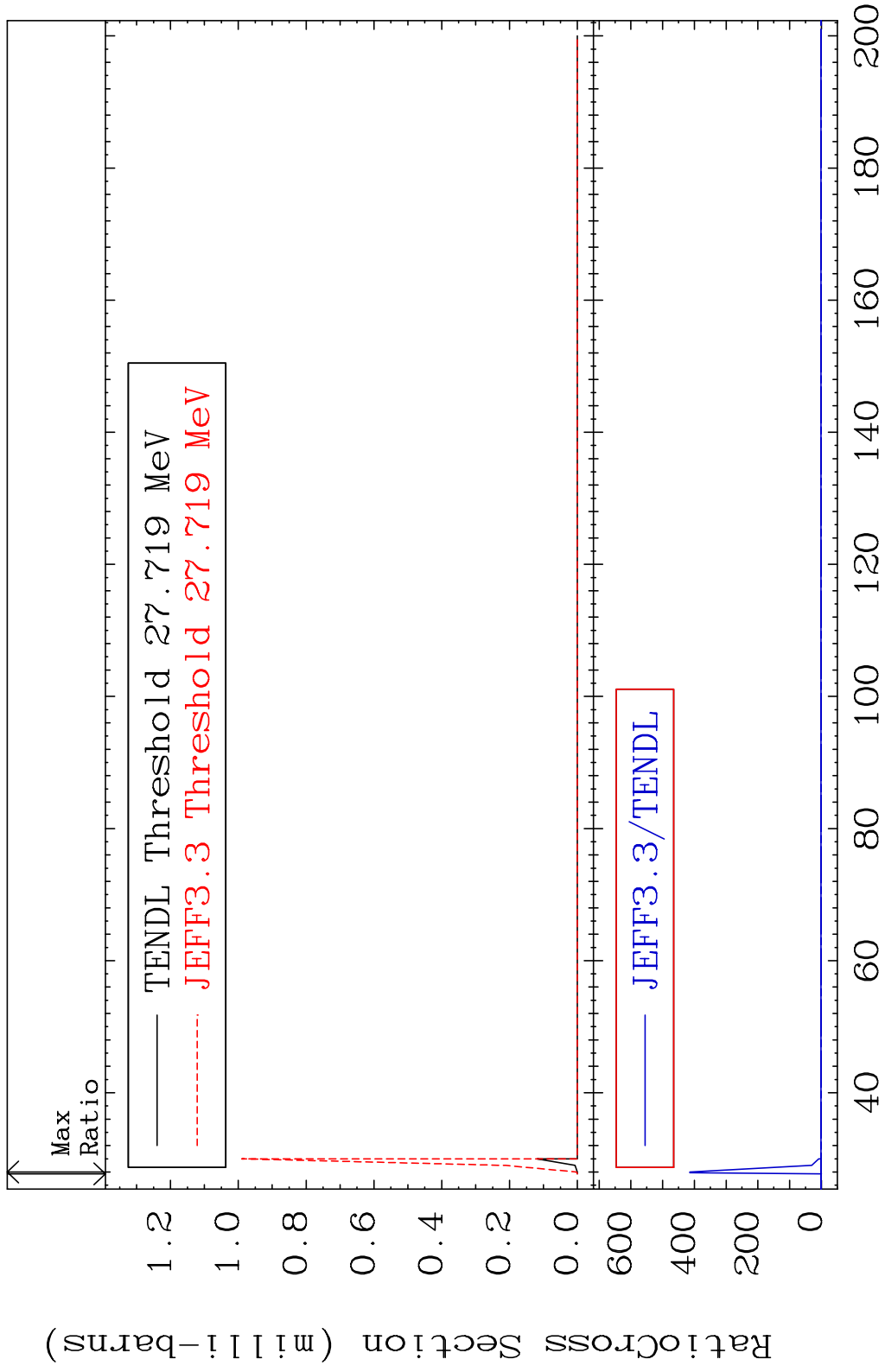
MAT 3443 (n, n') He-3:32-Ge-77g 34-Se-80  
 Radionuclide Production Cross Section 98.961 dth 196.9 %



85 34-Se-80

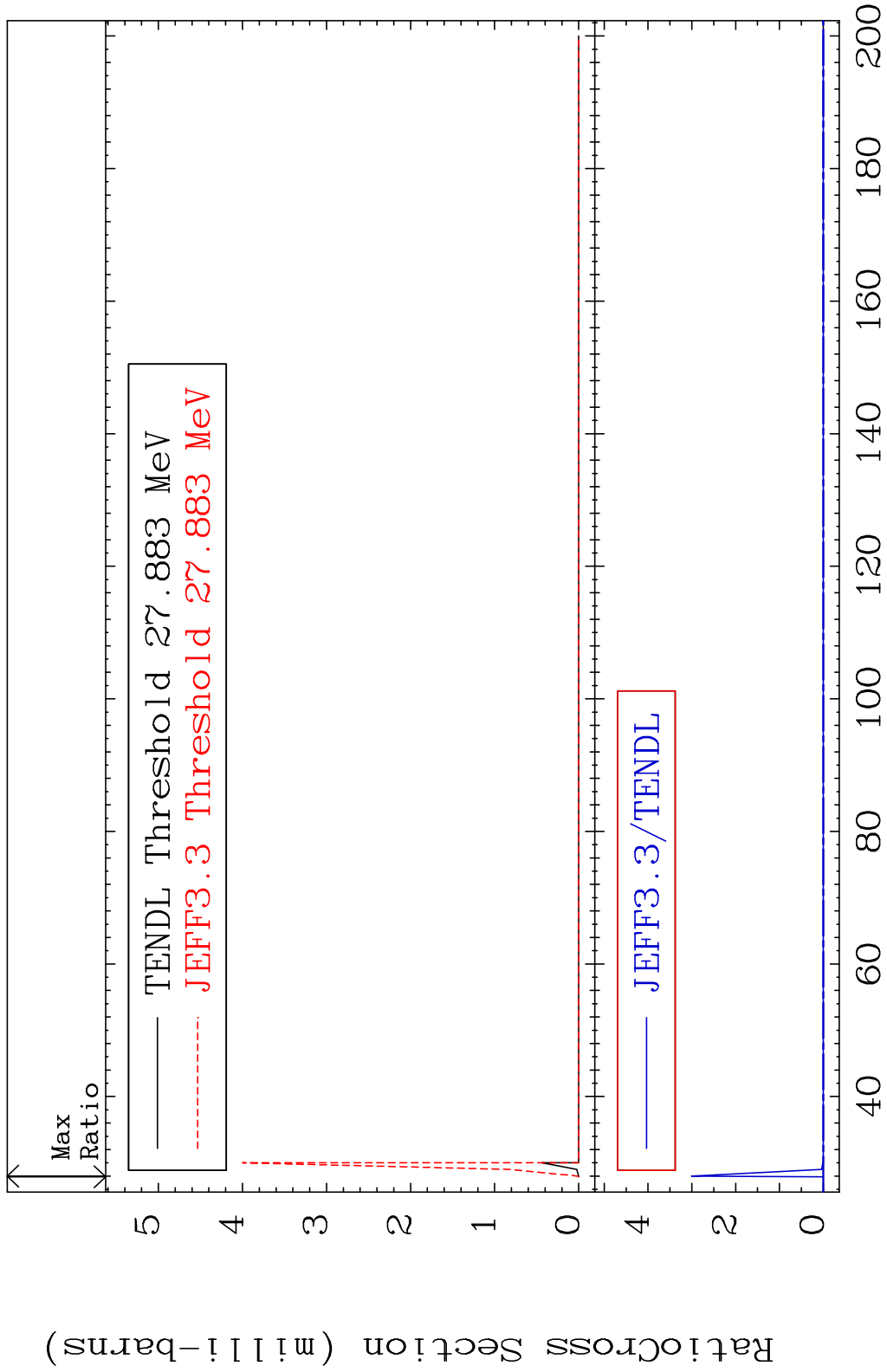
MAT 3443 (n, n') He-3:32-Ge-77m1 34-Se-80  
 Radionuclide Production Cross Section Ratio 104.0 %



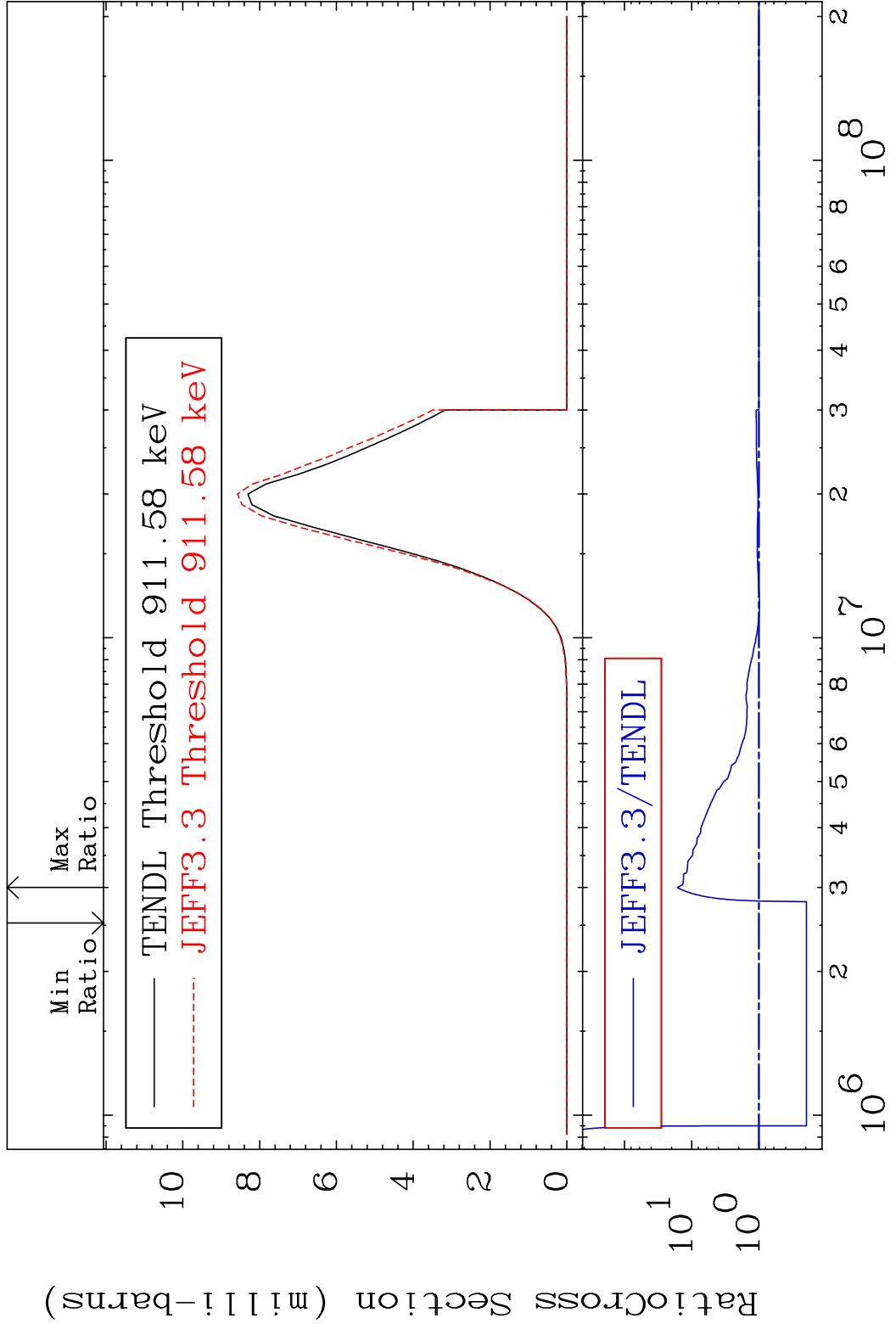




MAT 3443 (n,4n):34-Se-77m1 34-Se-80  
 Radionuclide Production Cross Section Ratio 9999. %

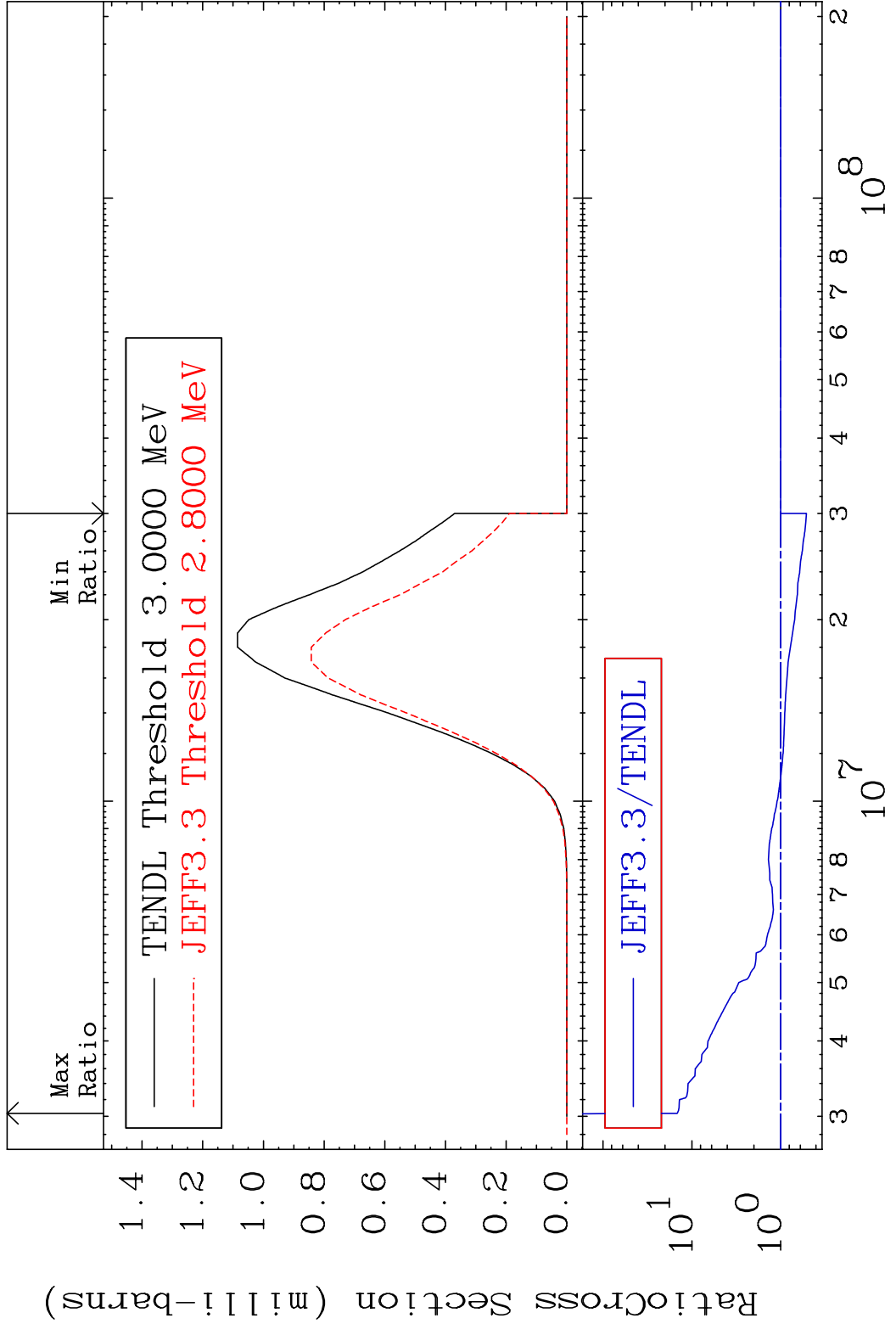


MAT 3443 (n,  $\alpha$ ): 32-Ge-77g 34-Se-80  
 Radionuclide Production Cross Section 886.36 mb to 1547. %

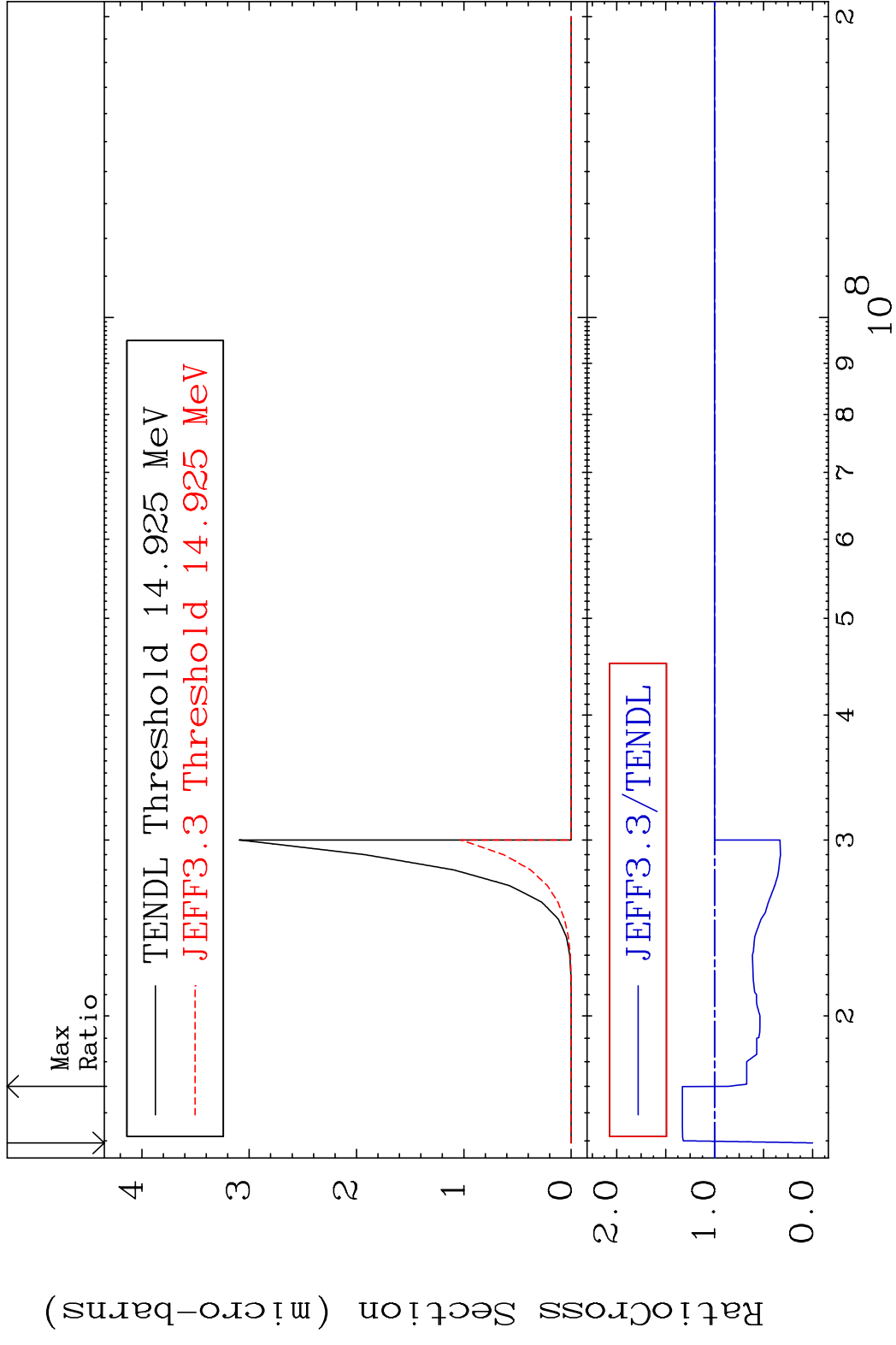


89 Incident Energy (eV) 34-Se-80

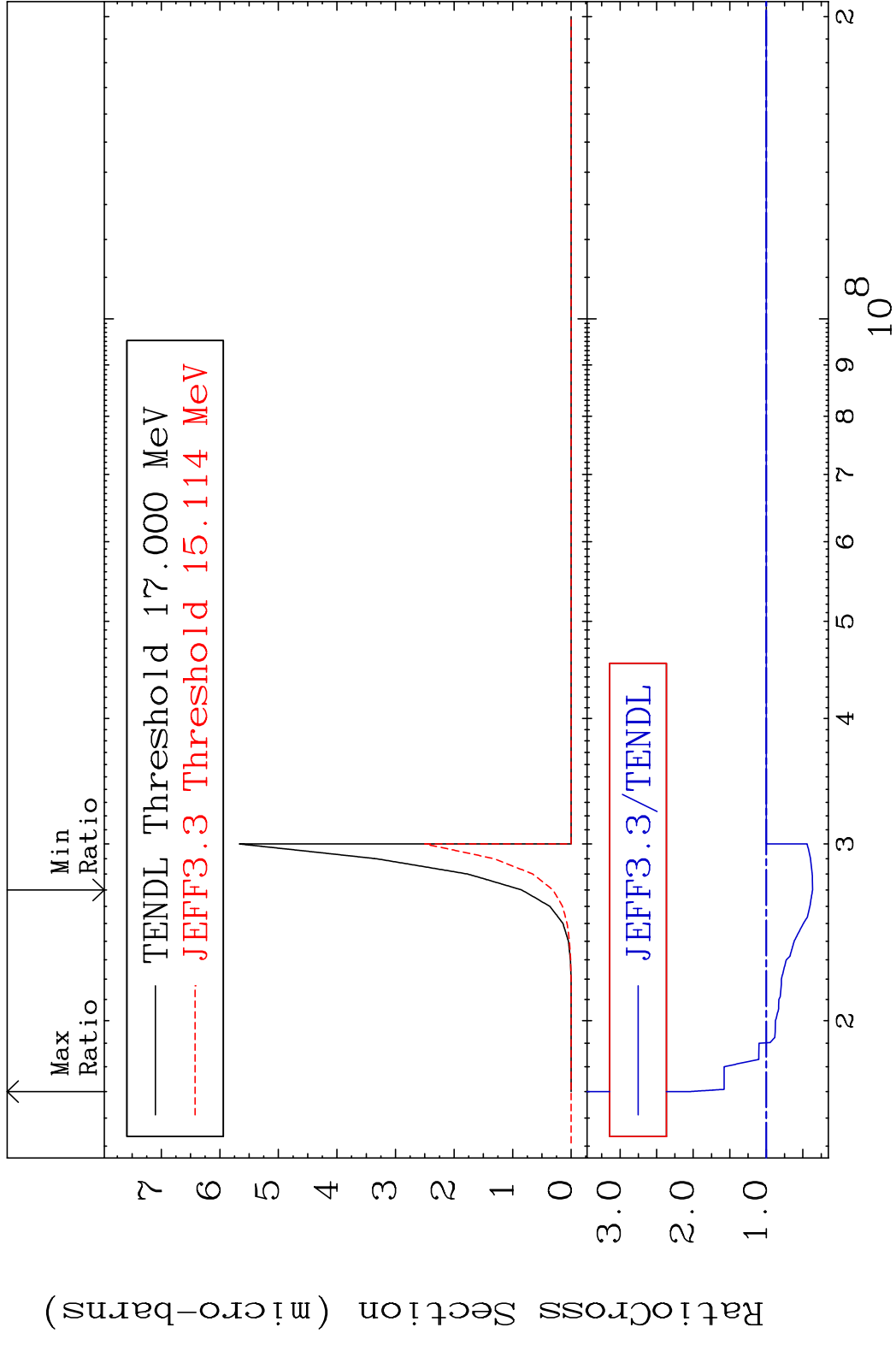
MAT 3443 (n,α):32-Ge-77m1 34-Se-80  
 Radionuclide Production Cross Section 48.78 dno 1362. %



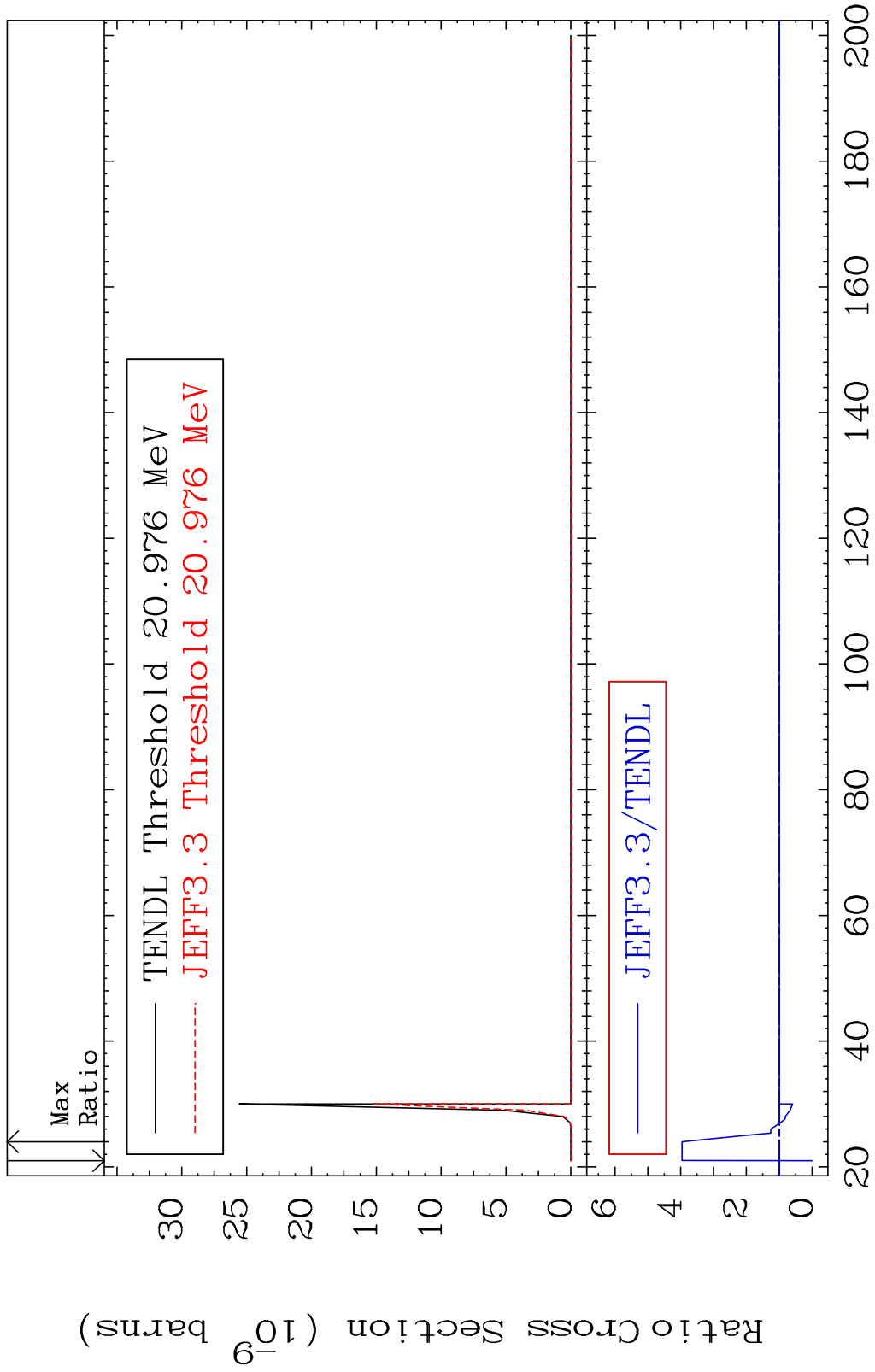
MAT 3443 (n,2p):32-Ge-79g 34-Se-80  
 Radionuclide Production Cross Section Ratio



MAT 3443 (n,2p):32-Ge-79m1 34-Se-80  
 Radionuclide Production Cross Section 114.8 %



MAT 3443 (n,p) t:32-Ge-77g 34-Se-80  
 Radionuclide Production Cross Section Ratio 295.9 %



MAT 3443 (n,p) t:32-Ge-77m1 34-Se-80  
 Radionuclide Production Cross Section 180c0i d10 479.5 %

