

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

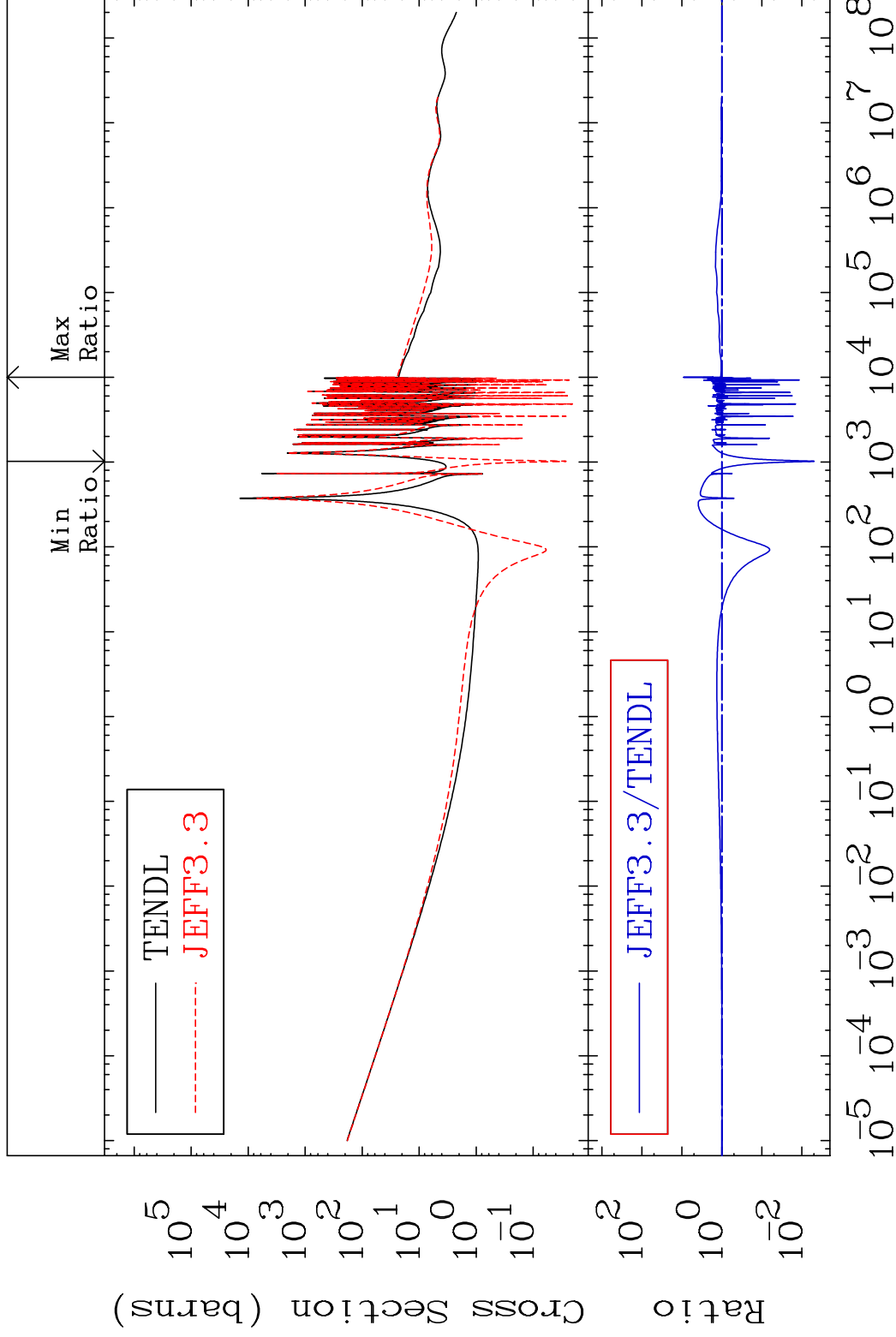
MAT 6031

Total

60-Nd-144

Cross Section

-99.51 To 803.2 %



1

Incident Energy (eV)

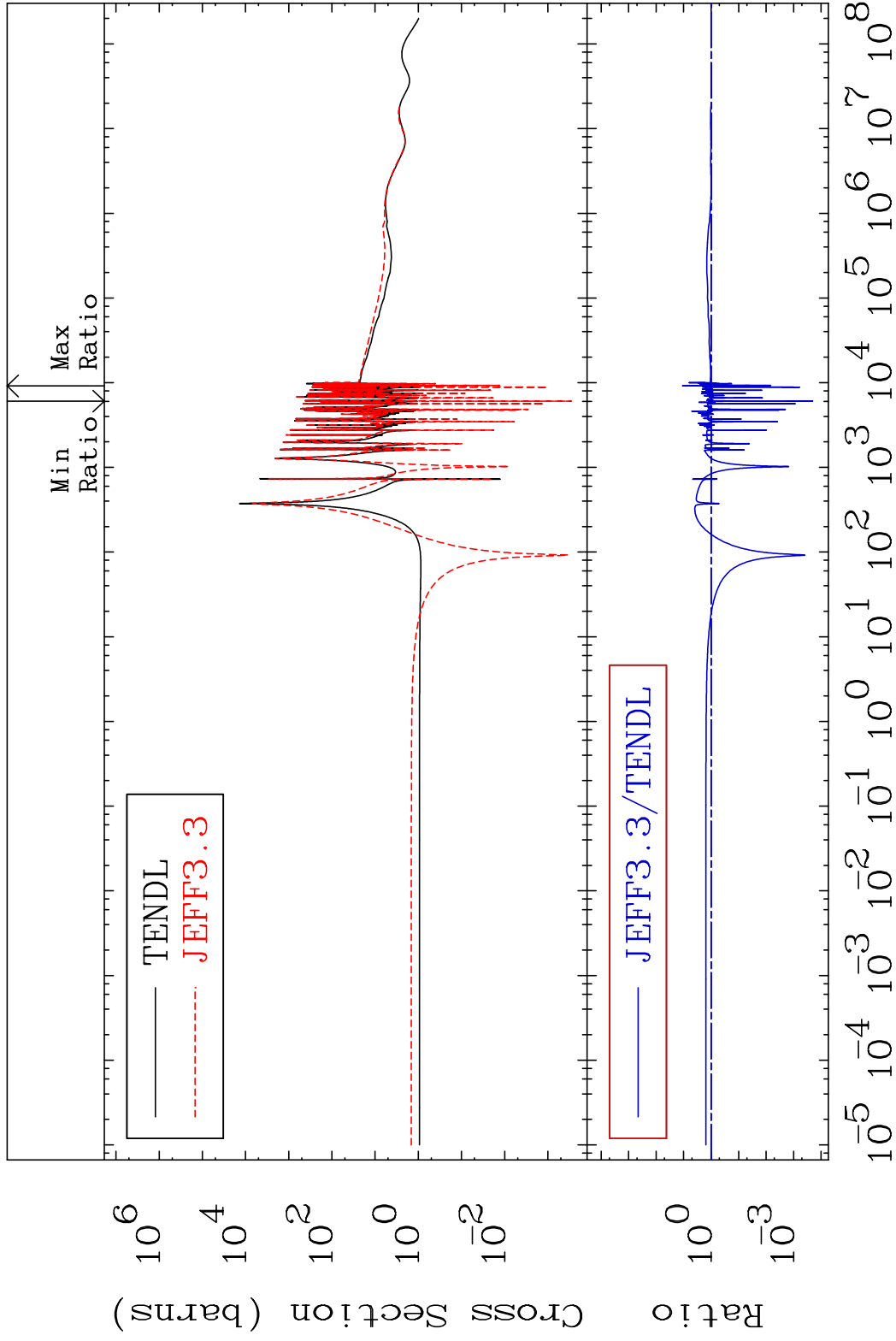
60-Nd-144

MAT 6031

Elastic

60-Nd-144

Cross Section -99.98 To 1012. %



2

Incident Energy (eV)

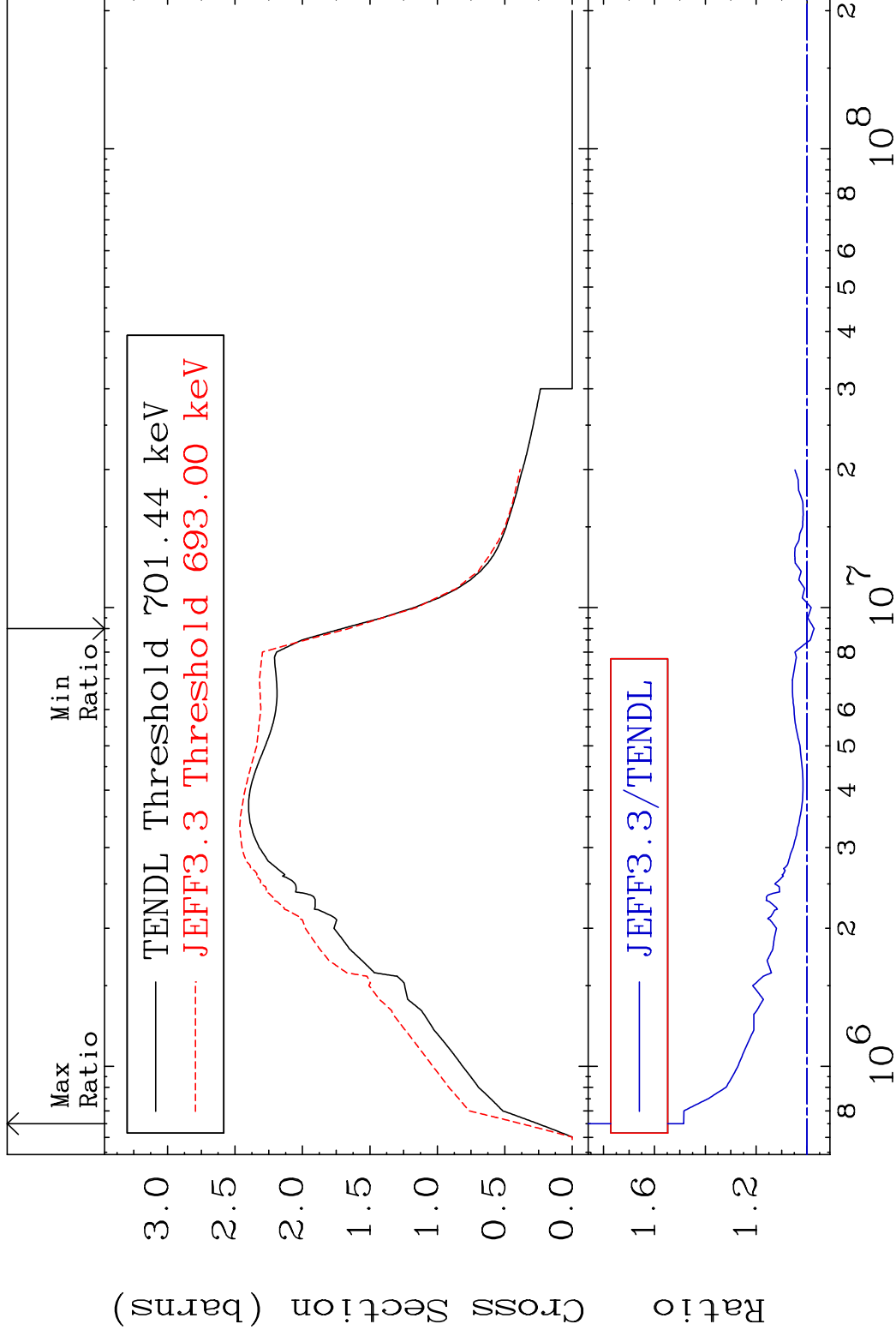
60-Nd-144

MAT 6031

Inelastic

60-Nd-144

Cross Section -2.782 To 48.51 %



3

Incident Energy (eV)

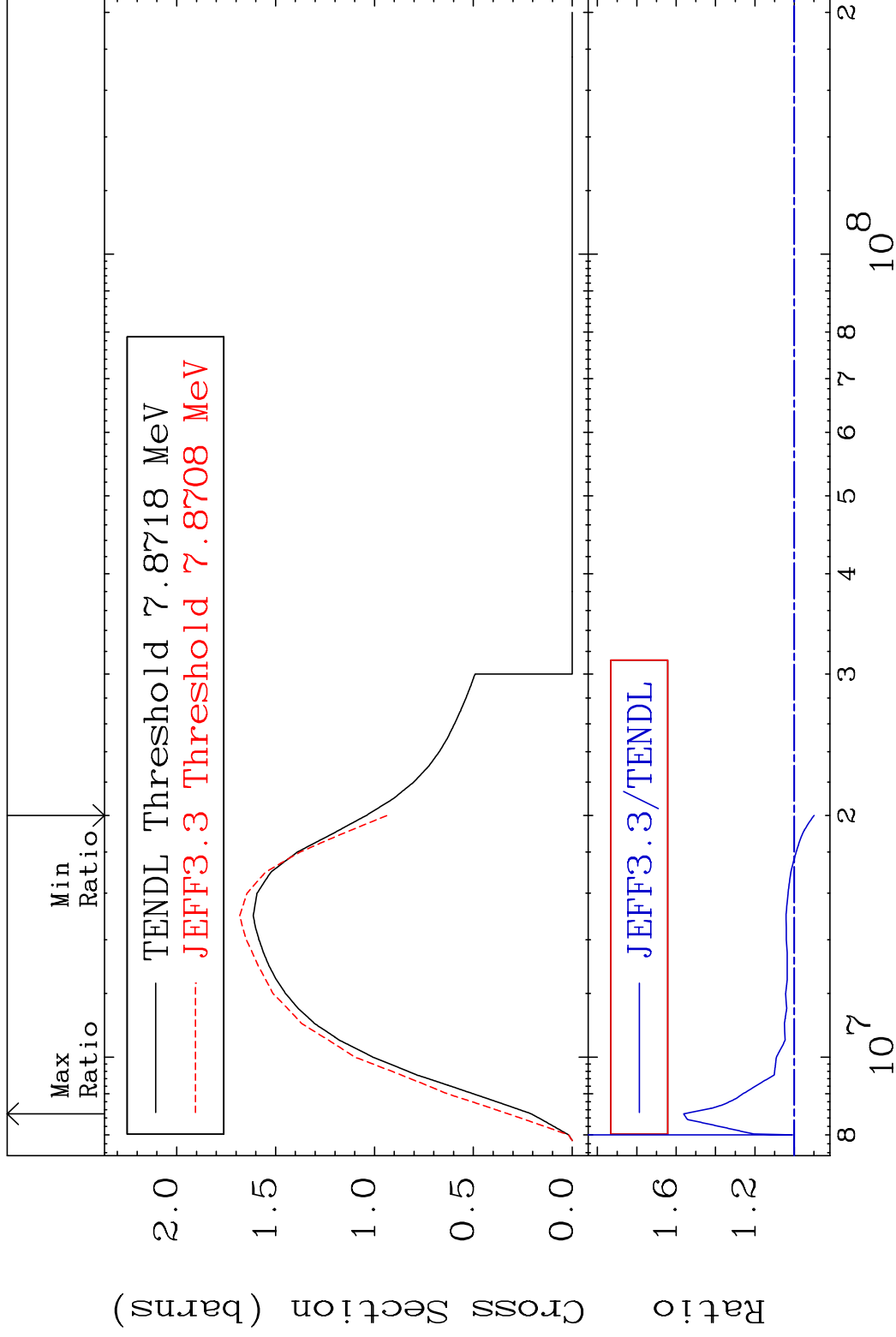
60-Nd-144

MAT 6031

(n,2n)

60-Nd-144

Cross Section -10.07 To 56.20 %



4

Incident Energy (eV)

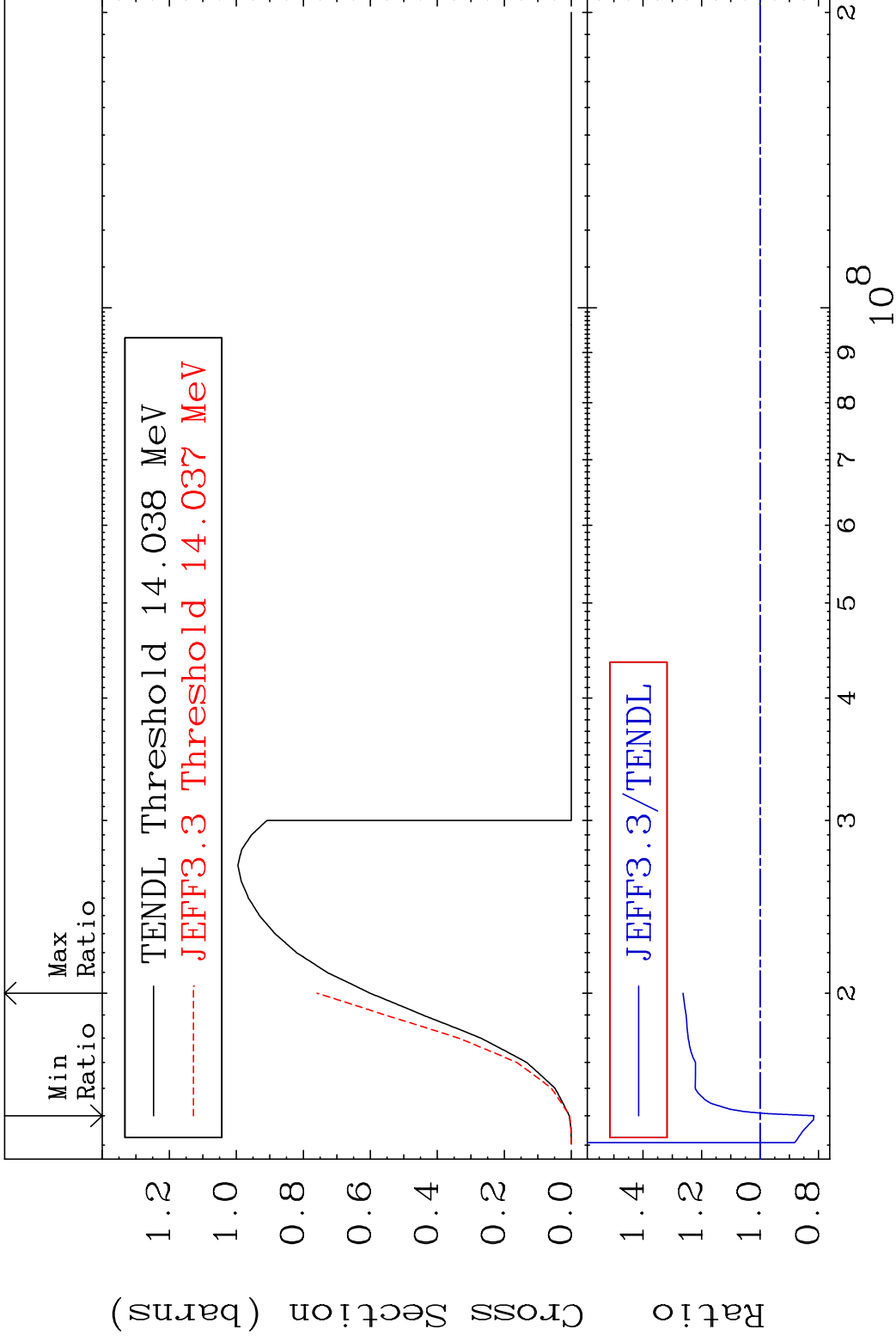
60-Nd-144

MAT 6031

(n,3n)

60-Nd-144

Cross Section -18.40 To 26.33 %

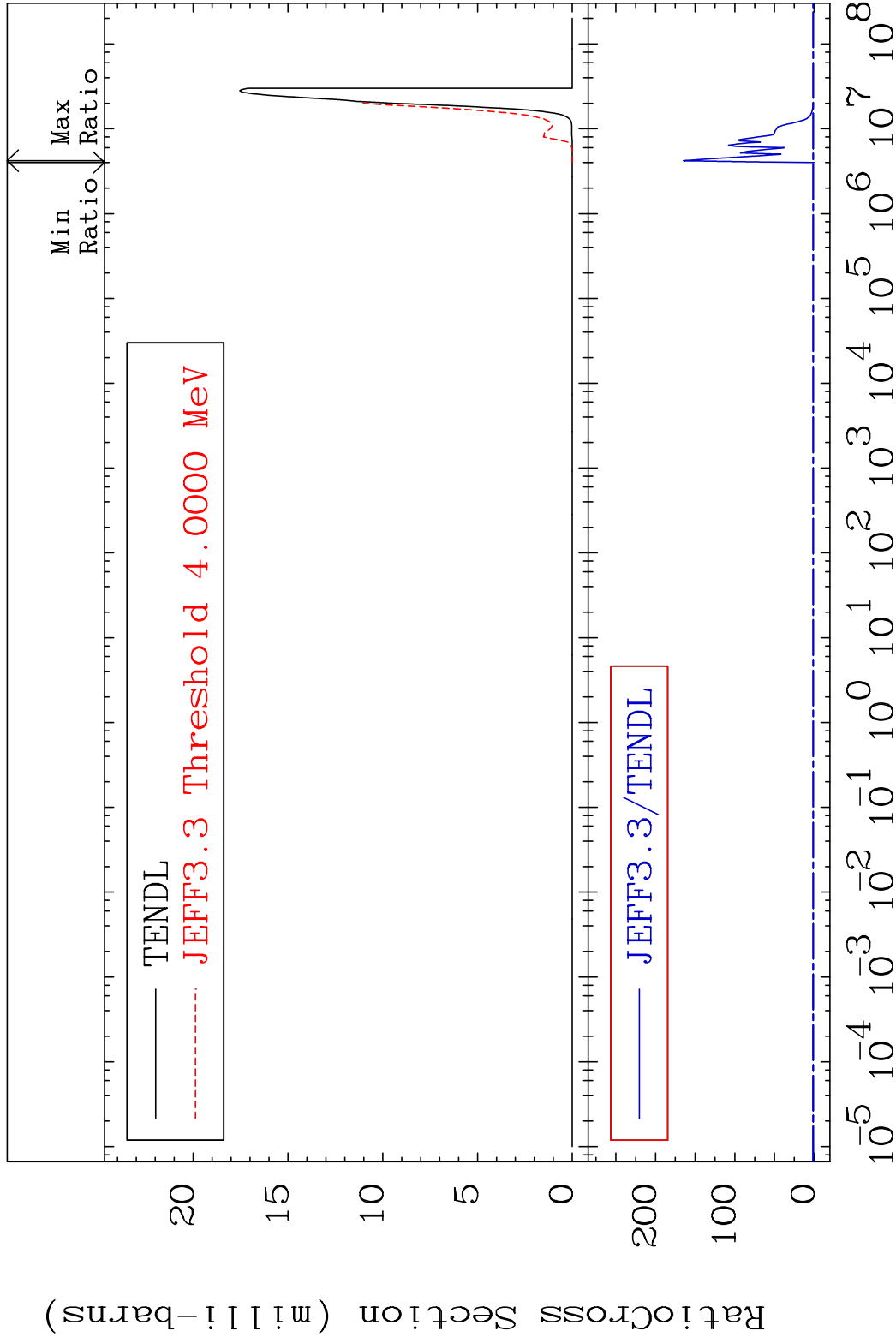


MAT 6031

(n, n')  $\alpha$

60-Nd-144

Cross Section -100.0 To 9999. %

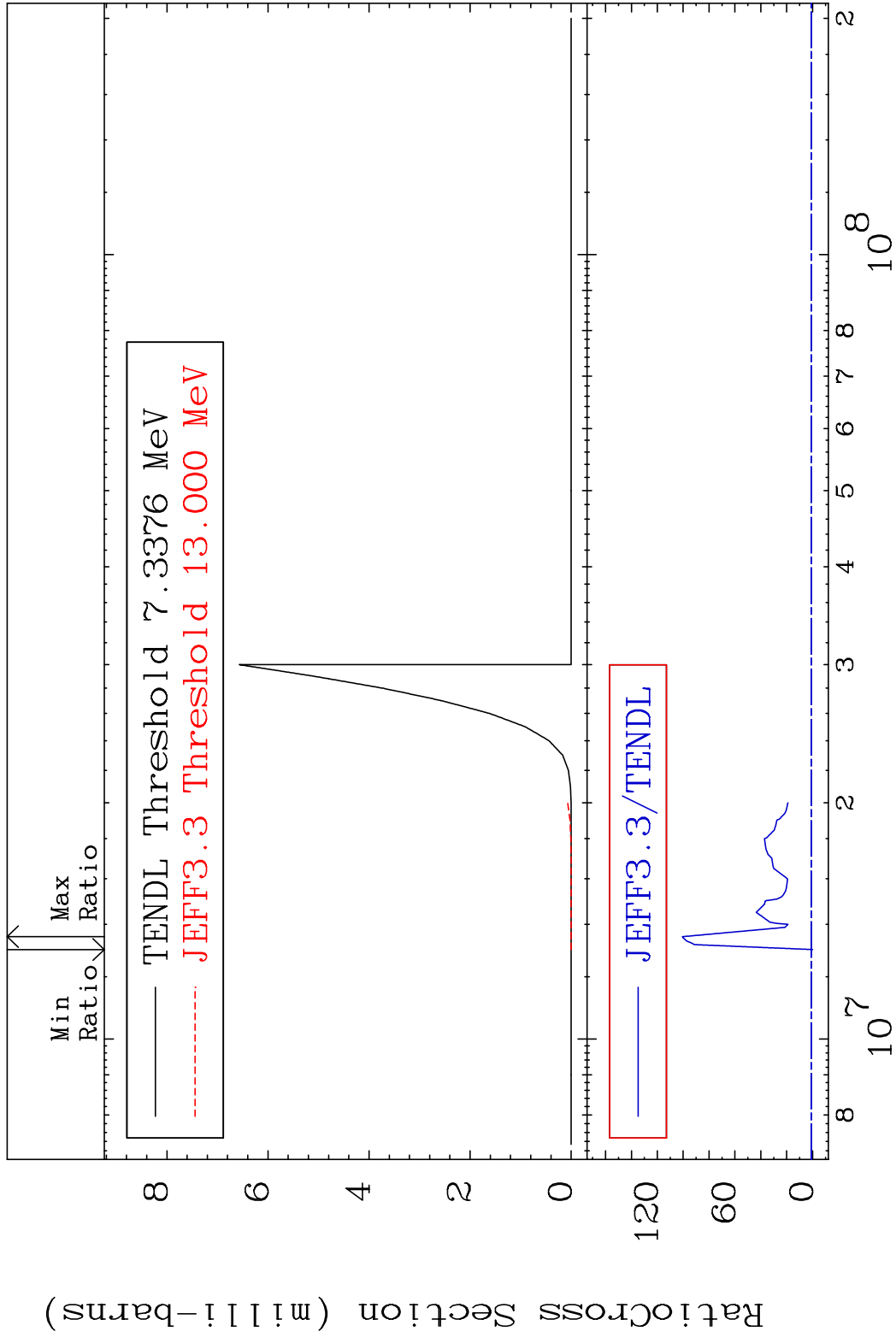


MAT 6031

(n,2n)  $\alpha$

60-Nd-144

Cross Section -100.0 To 9964. %



7

Incident Energy (eV)

60-Nd-144

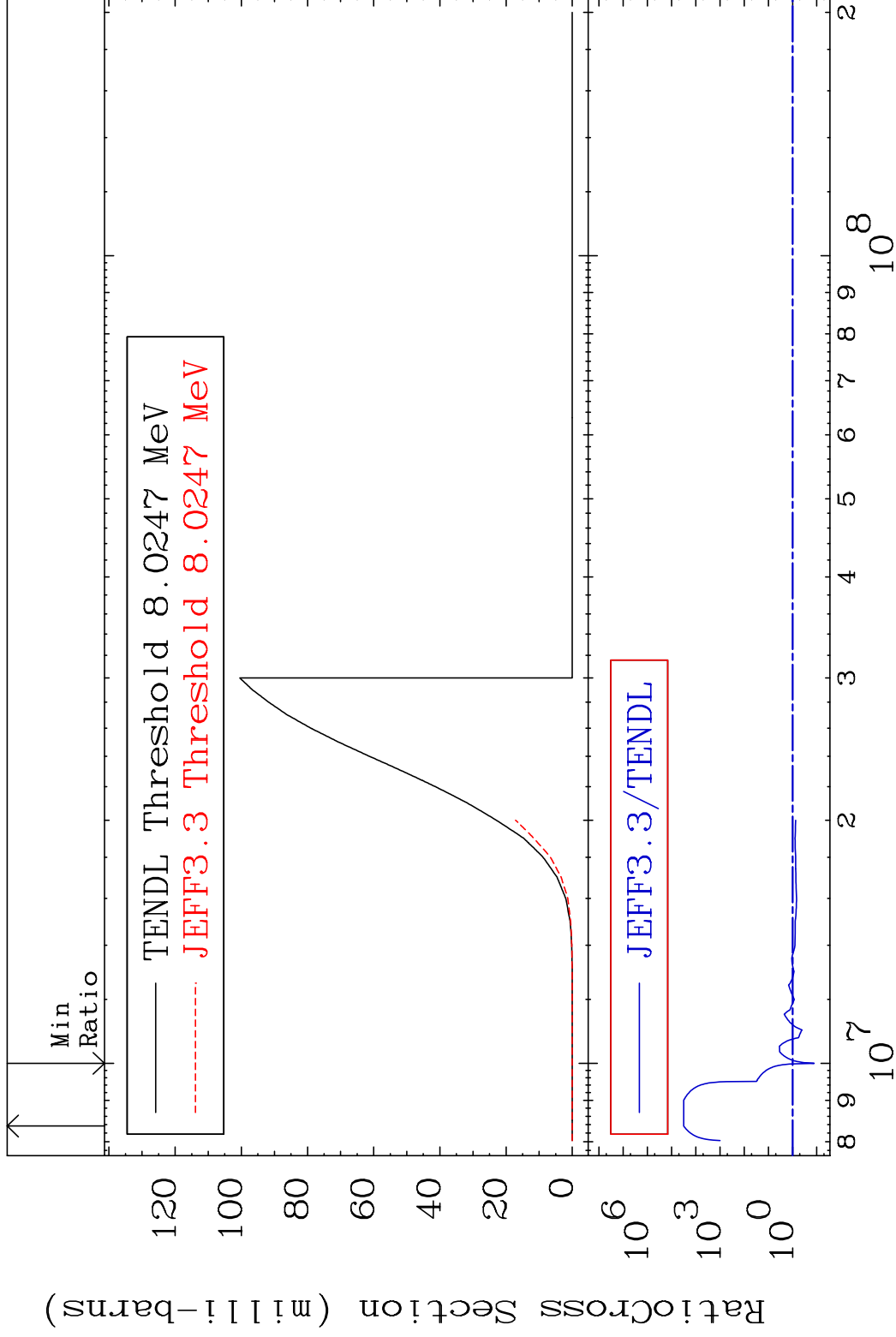


MAT 6031

(n, n') p

60-Nd-144

Cross Section -87.11 To 9999. %

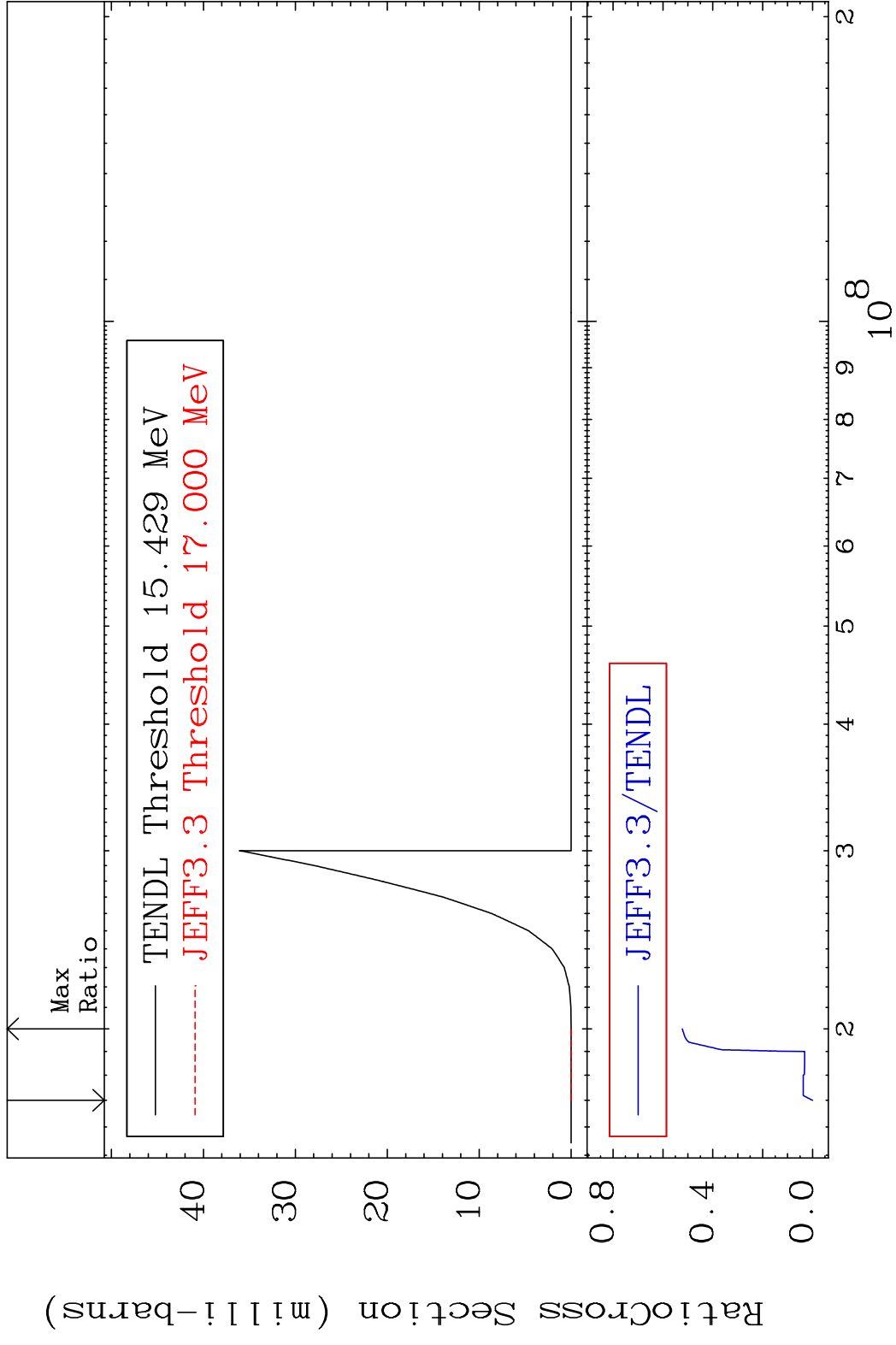


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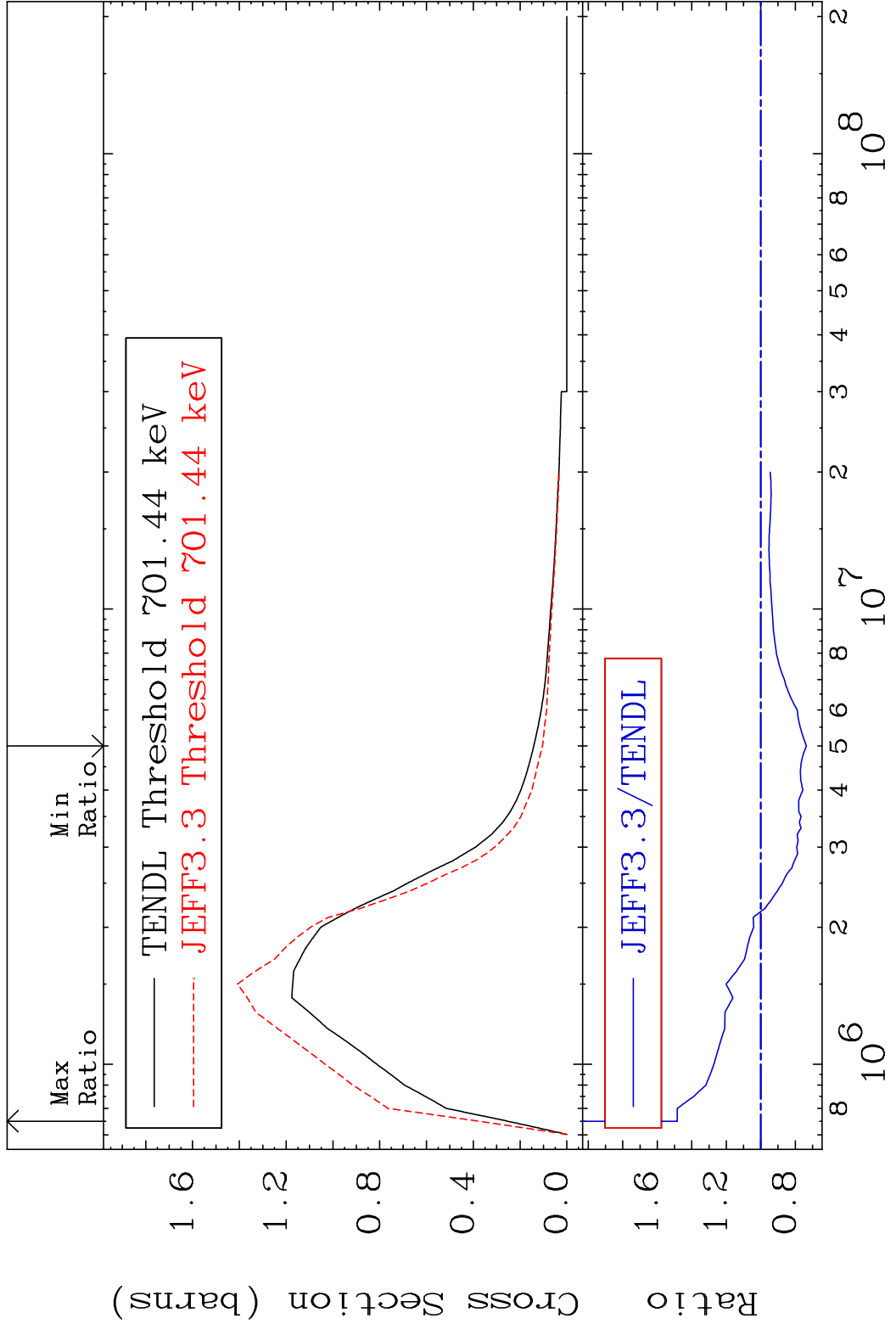
Incident Energy (eV)

60-Nd-144

MAT 6031 (n,2n) p 60-Nd-144  
 Cross Section -100.0 To -47.80%

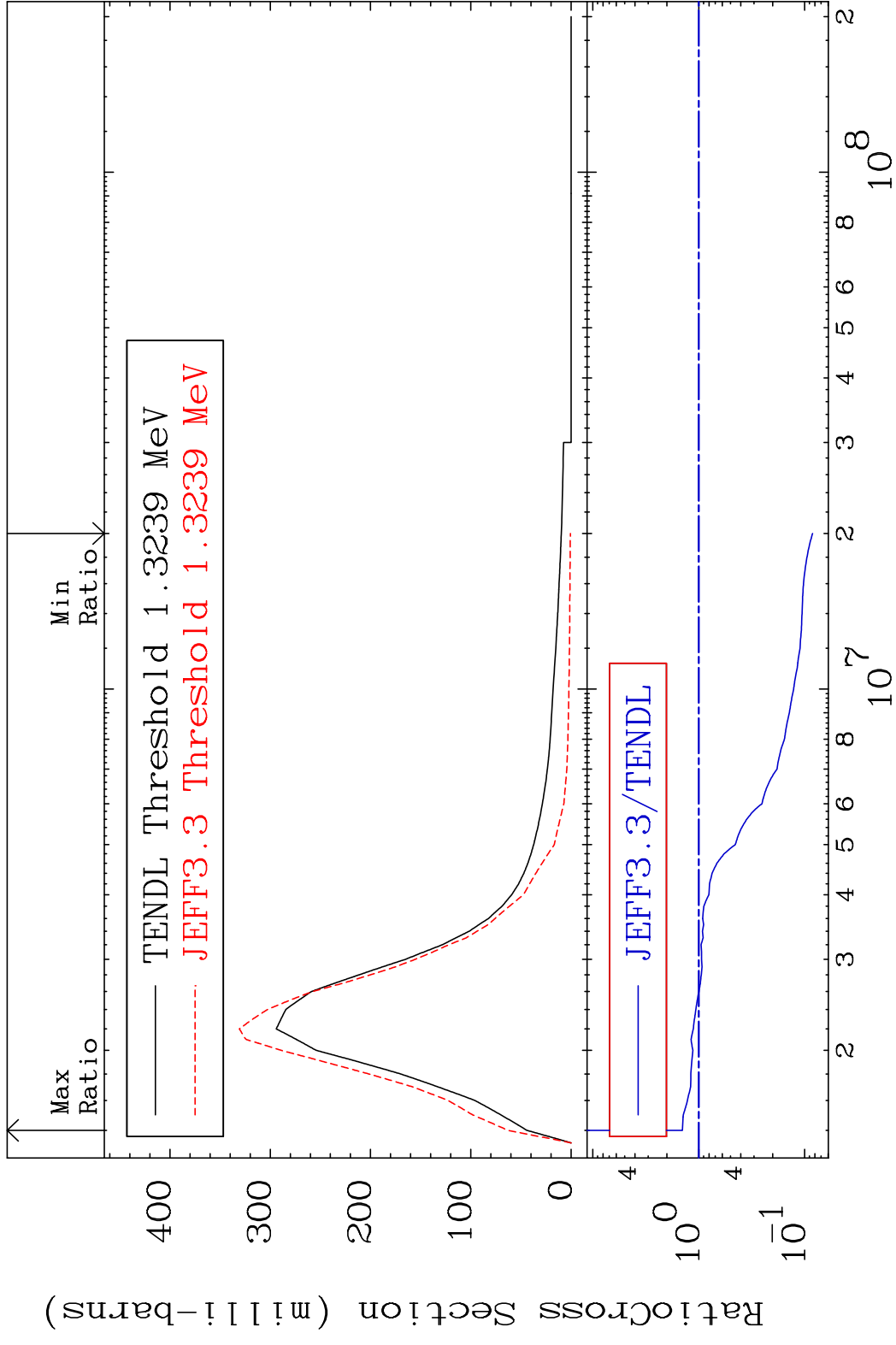


MAT 6031 MT= 51 (n,n') Level 60-Nd-144  
 Cross Section -26.44 To 48.46 %

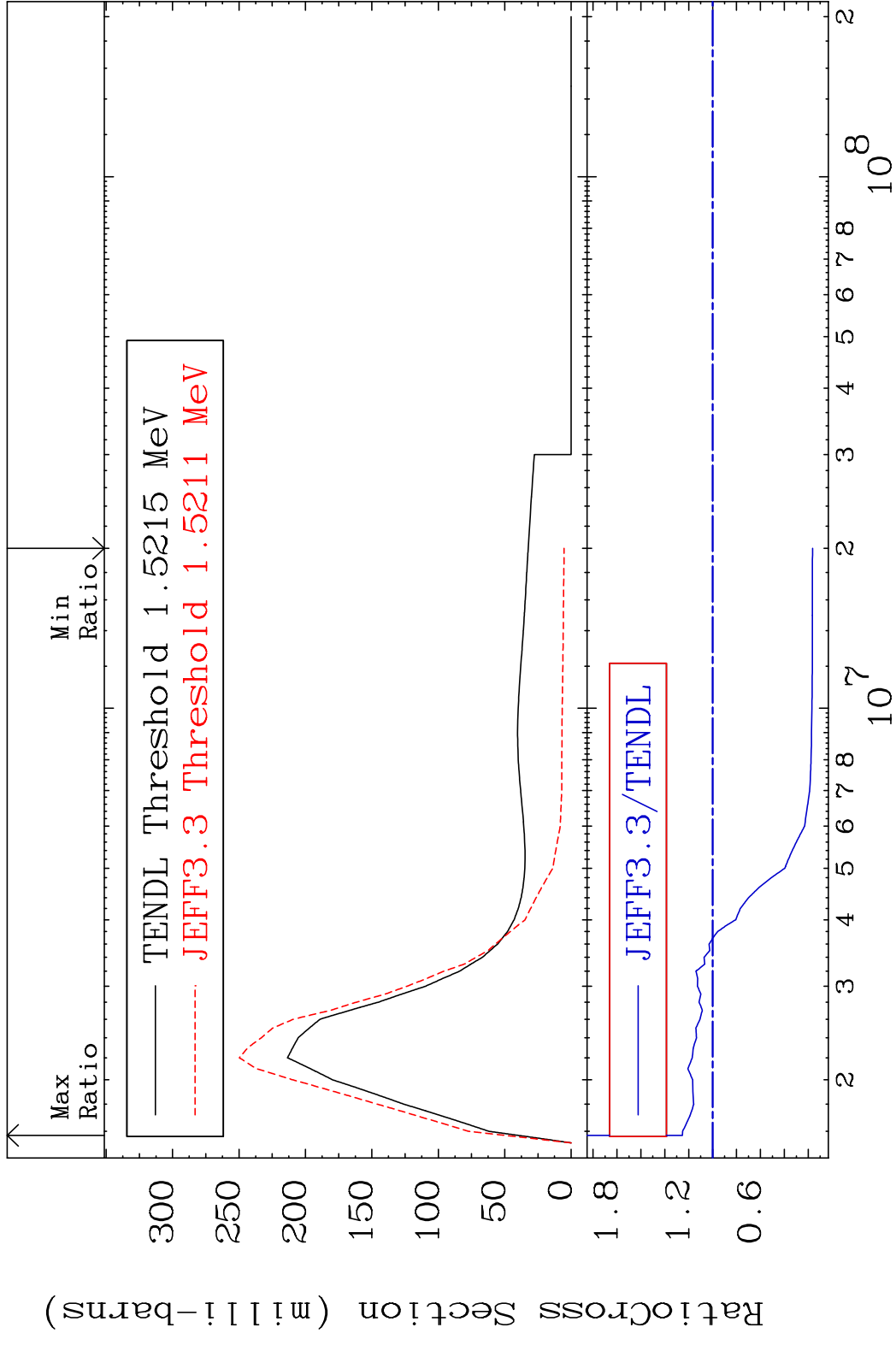


10 Incident Energy (eV) 60-Nd-144

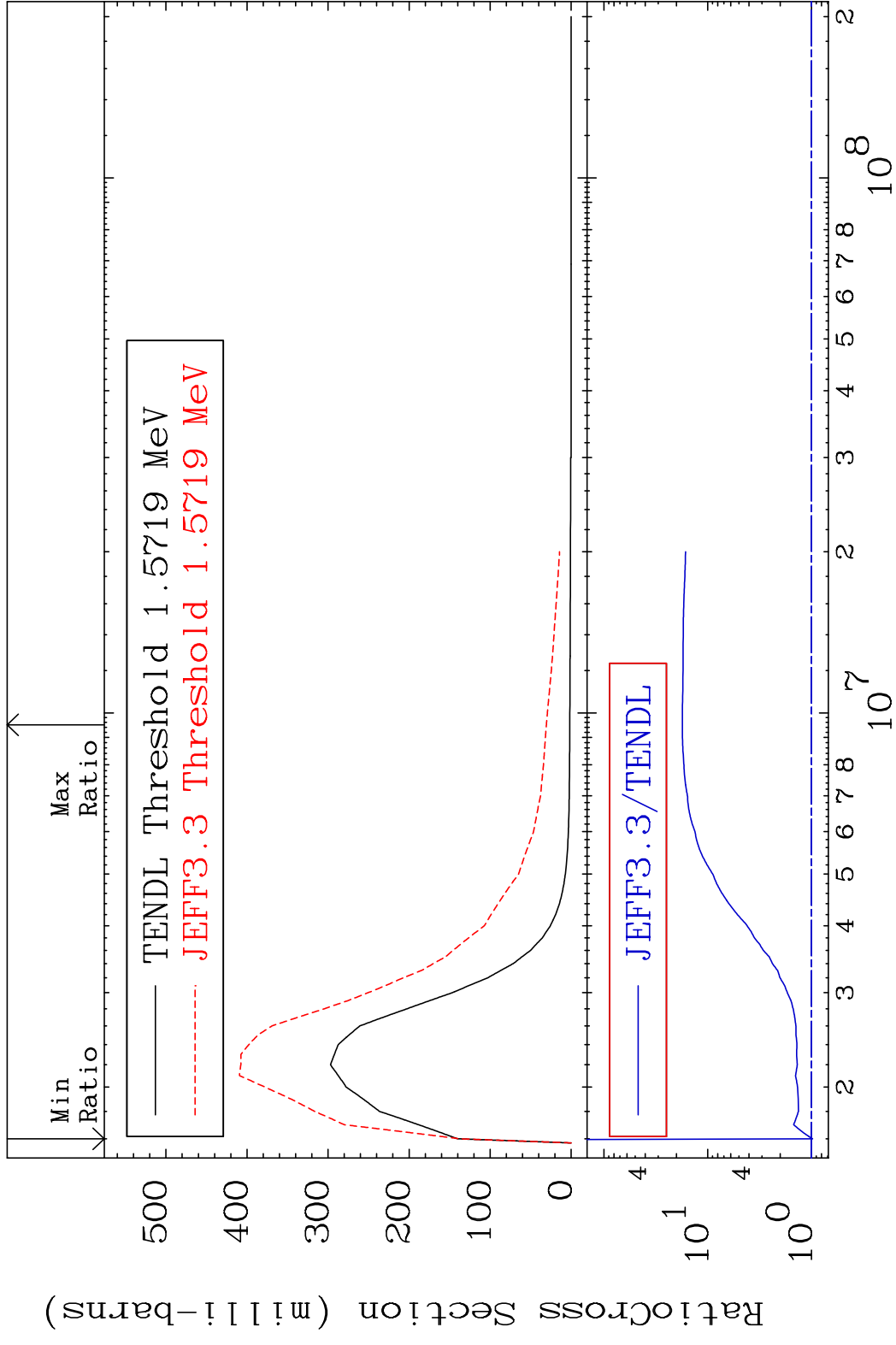
MAT 6031 MT= 52 (n, n') Level 60-Nd-144  
 Cross Section -91.58 To 42.73 %



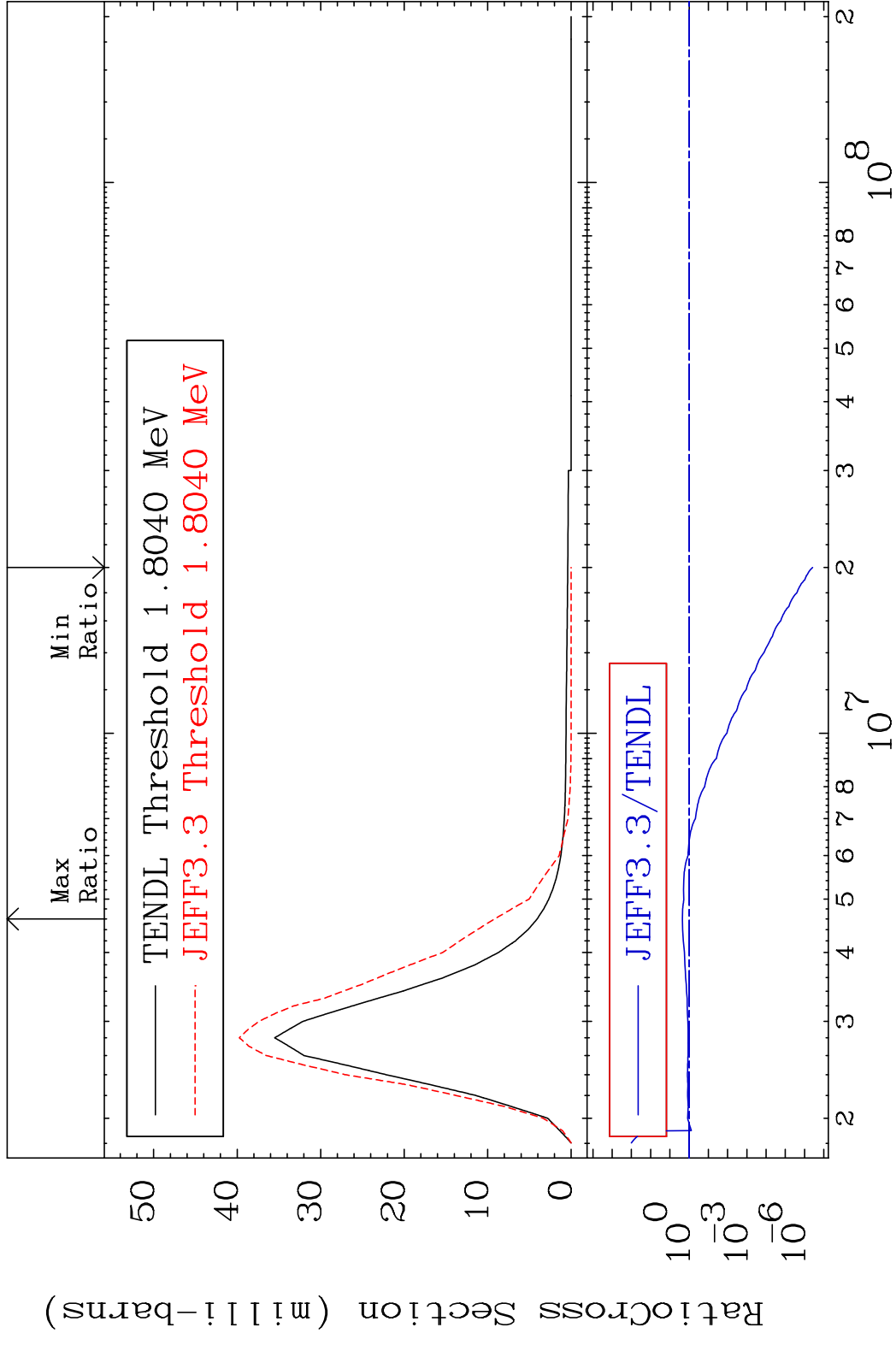
MAT 6031 MT= 53 (n, n') Level 60-Nd-144  
 Cross Section -83.59 To 25.31 %



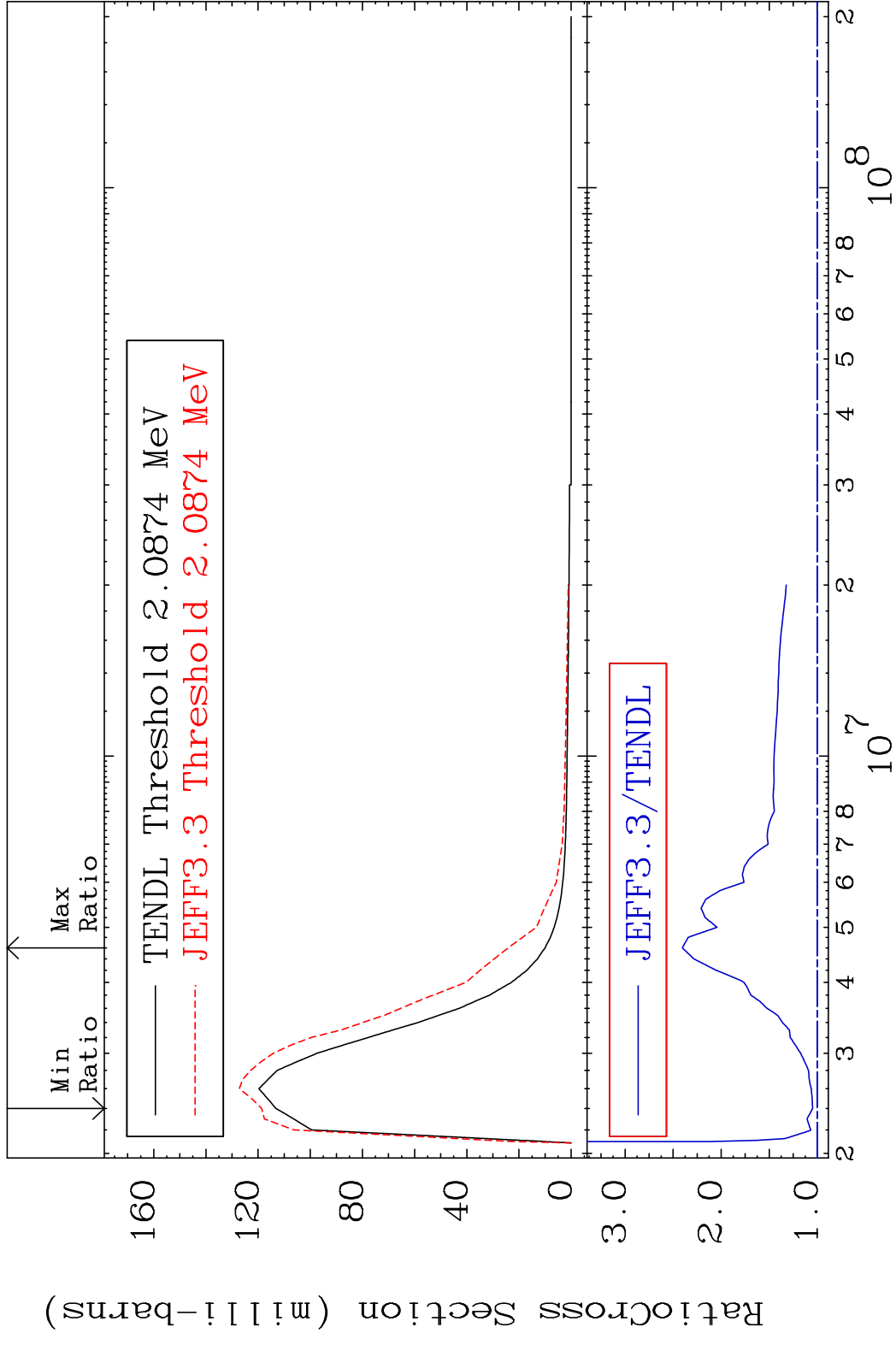
MAT 6031 MT= 54 (n,n') Level 60-Nd-144  
 Cross Section -2.220 To 1656. %



MAT 6031 MT= 55 (n,n') Level 60-Nd-144  
 Cross Section -100.0 To 124.8 %

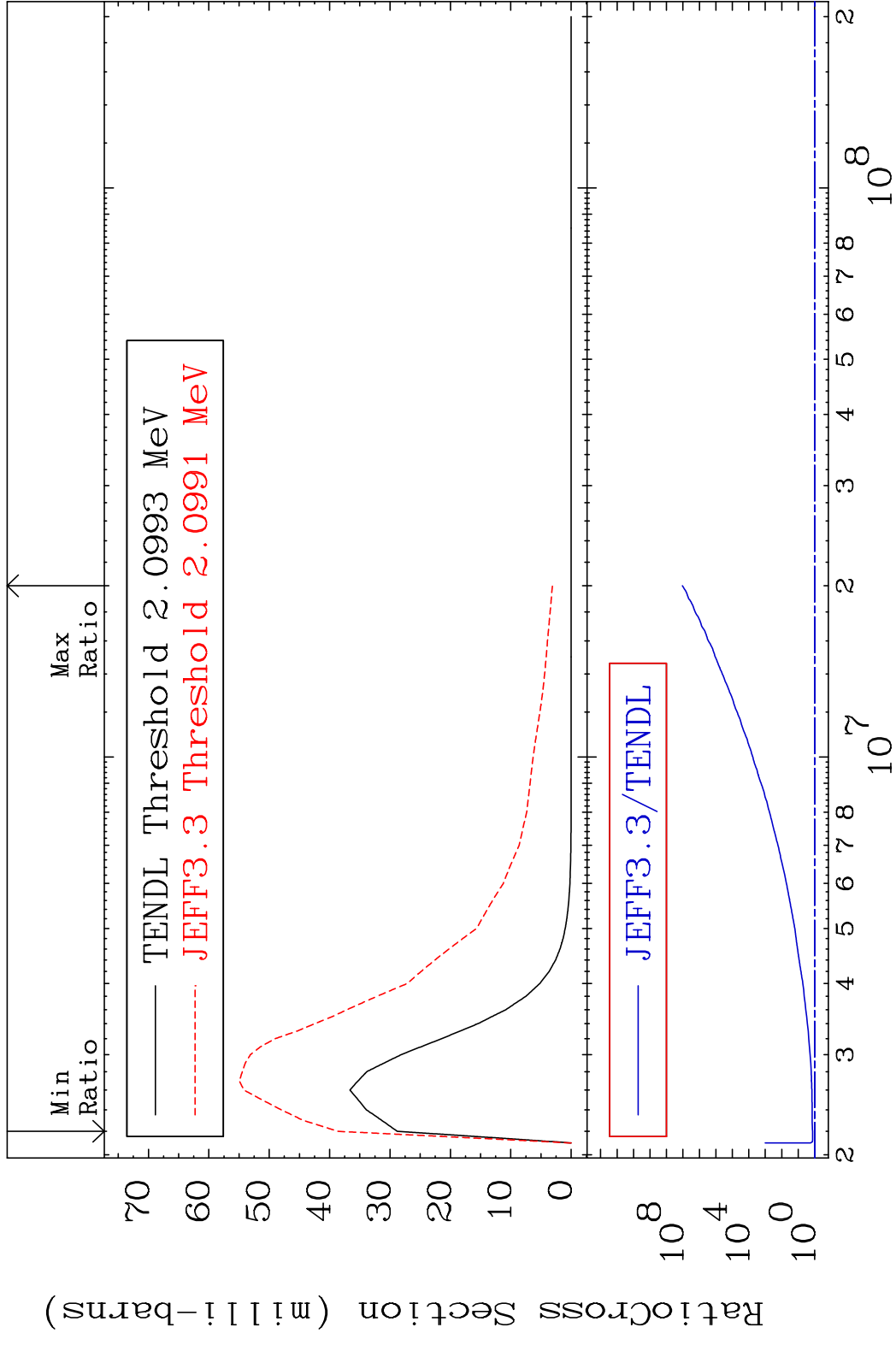


MAT 6031 MT= 56 (n,n') Level 60-Nd-144  
 Cross Section 4.838 To 140.4 %

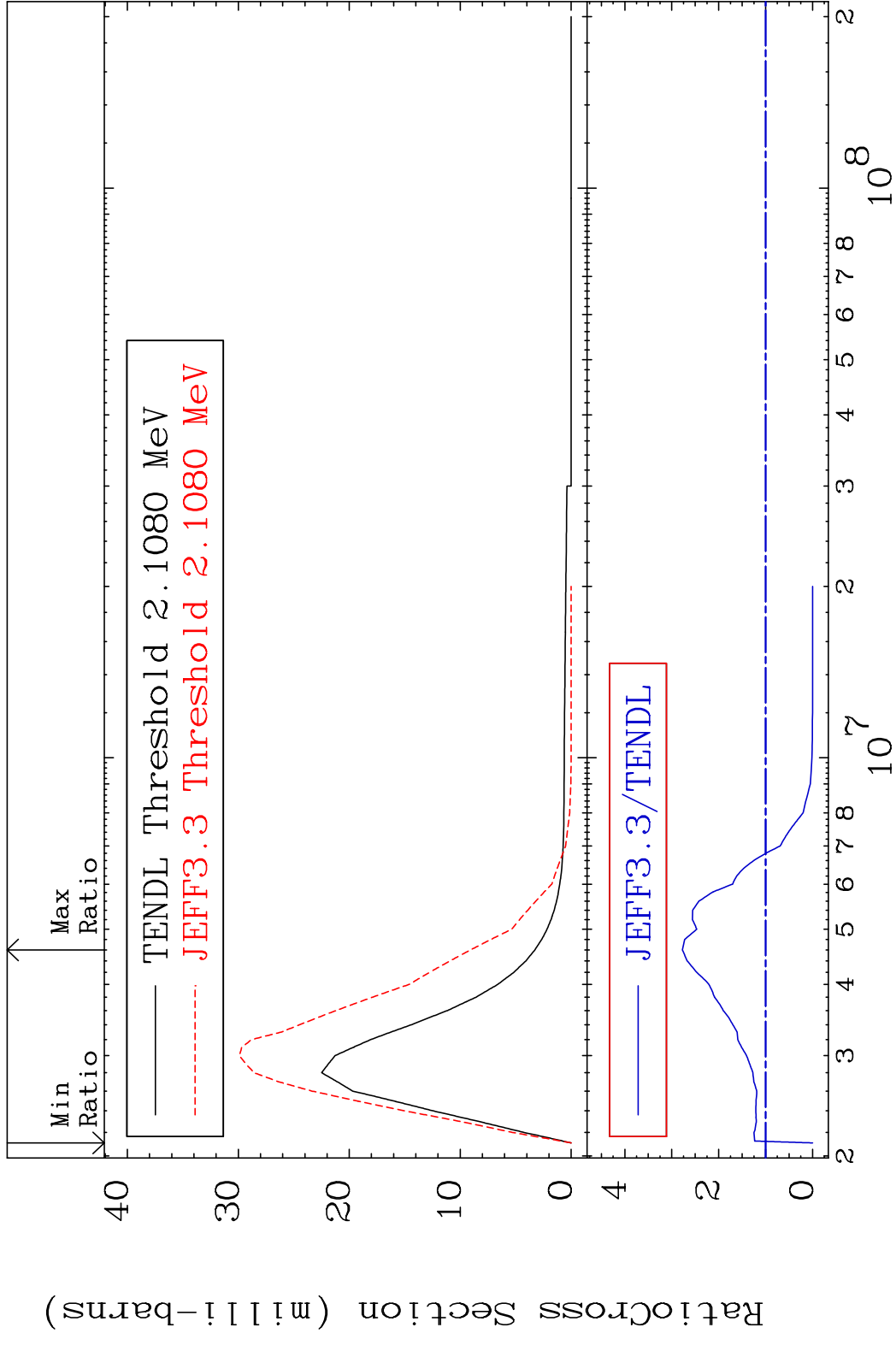




MAT 6031 MT= 57 (n, n') Level 60-Nd-144  
 Cross Section 34.17 To 9999. %

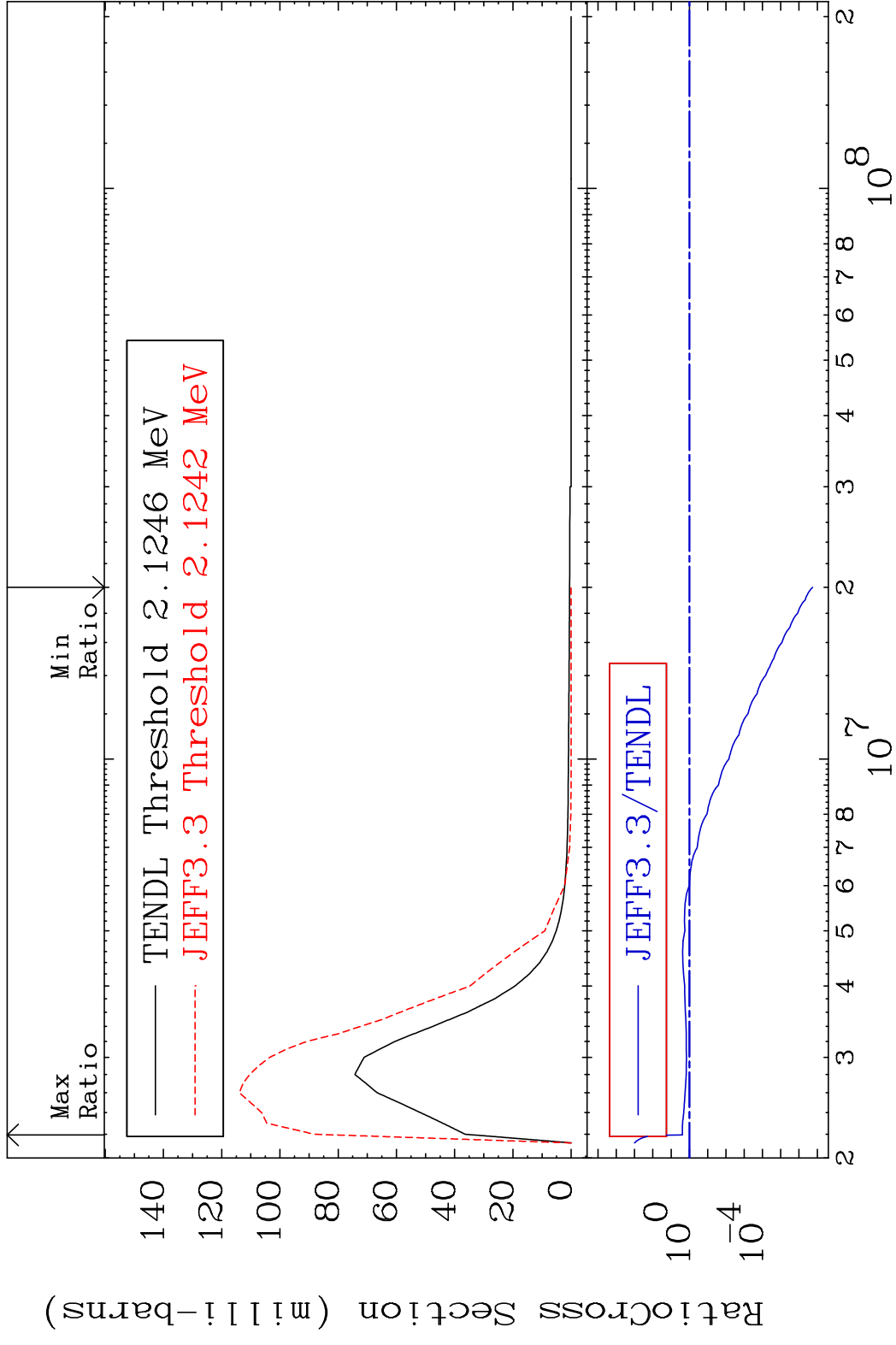


MAT 6031 MT= 58 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 177.4 %

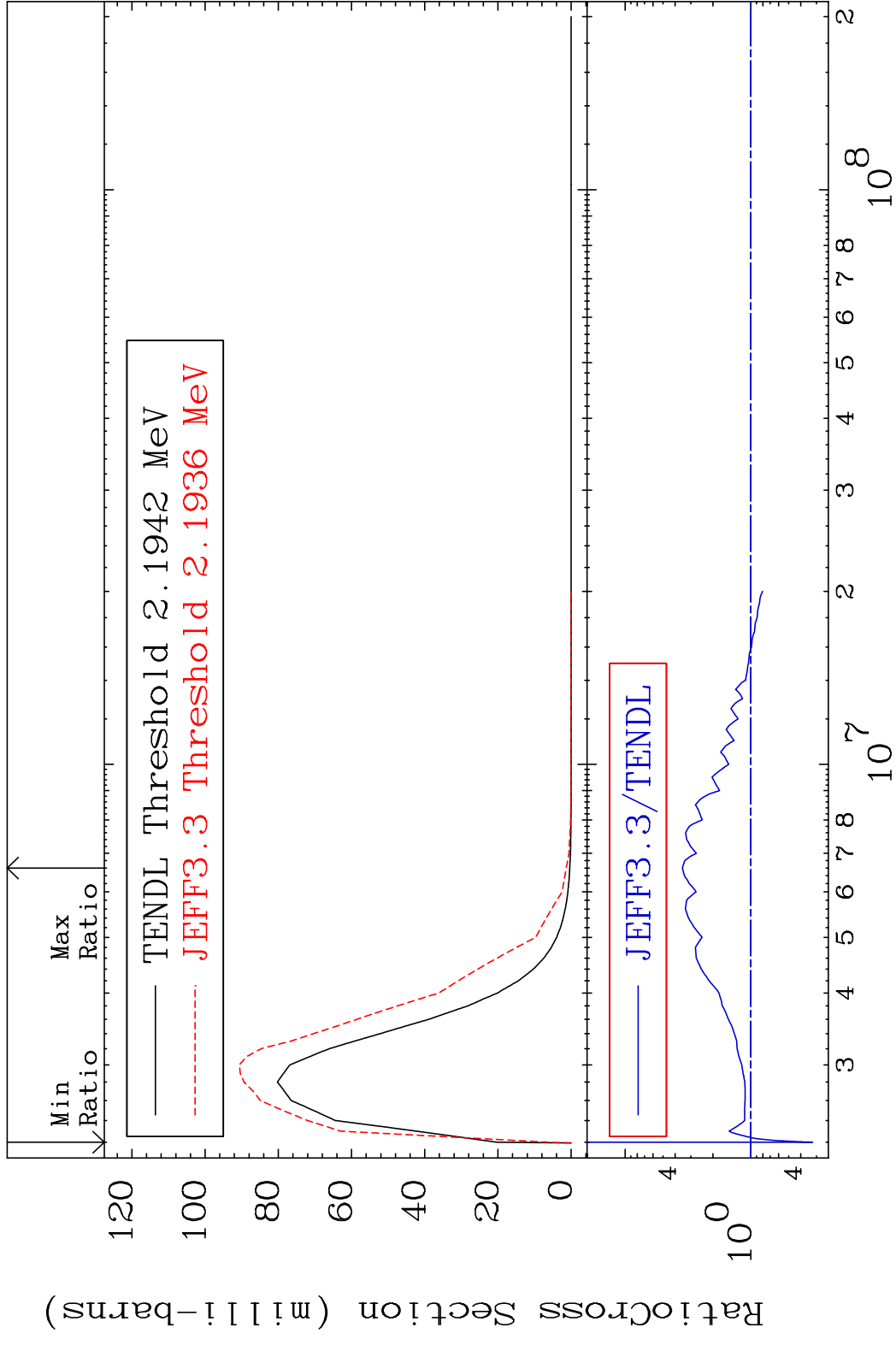


17 Incident Energy (eV) 60-Nd-144

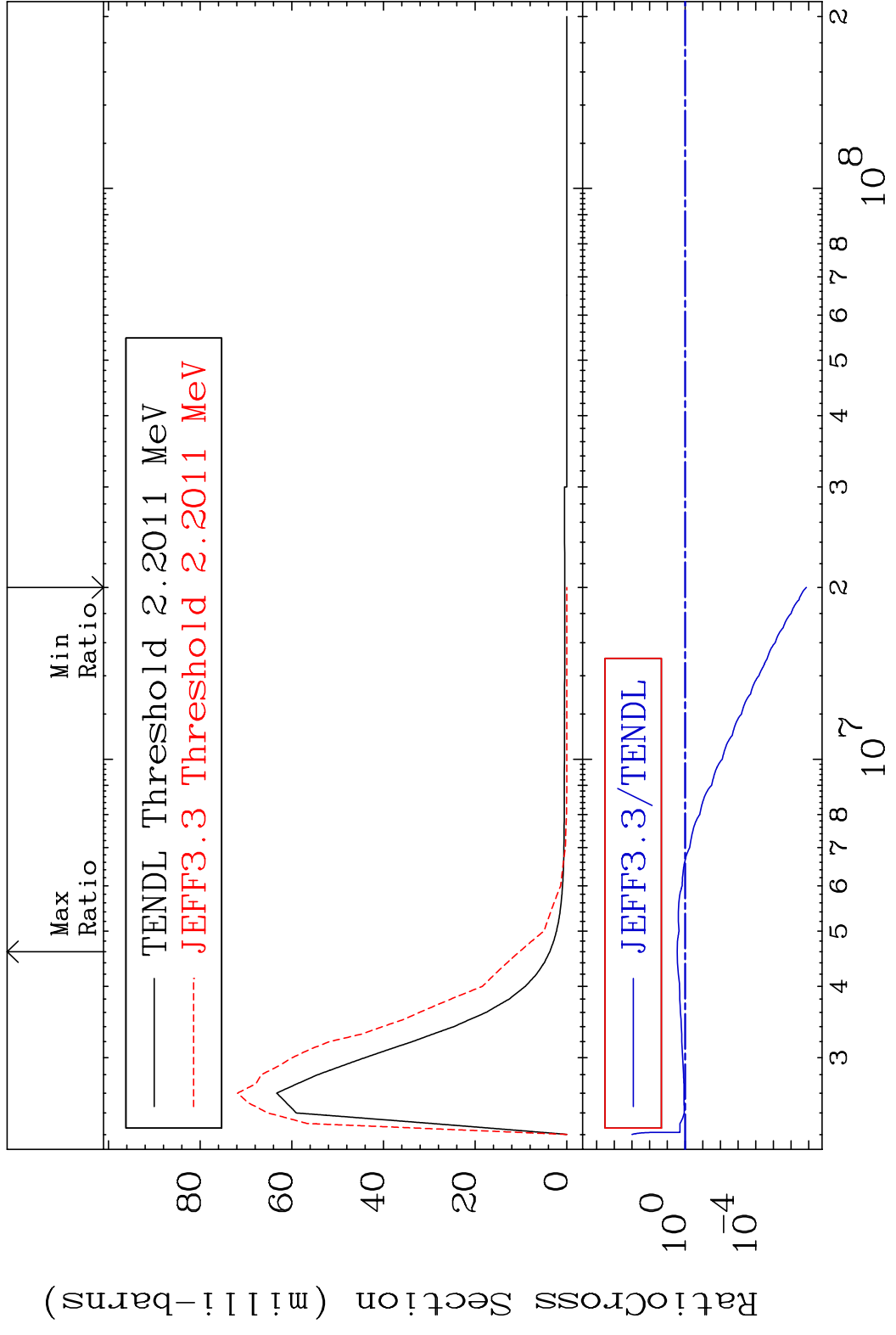
MAT 6031 MT= 59 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 142.3 %



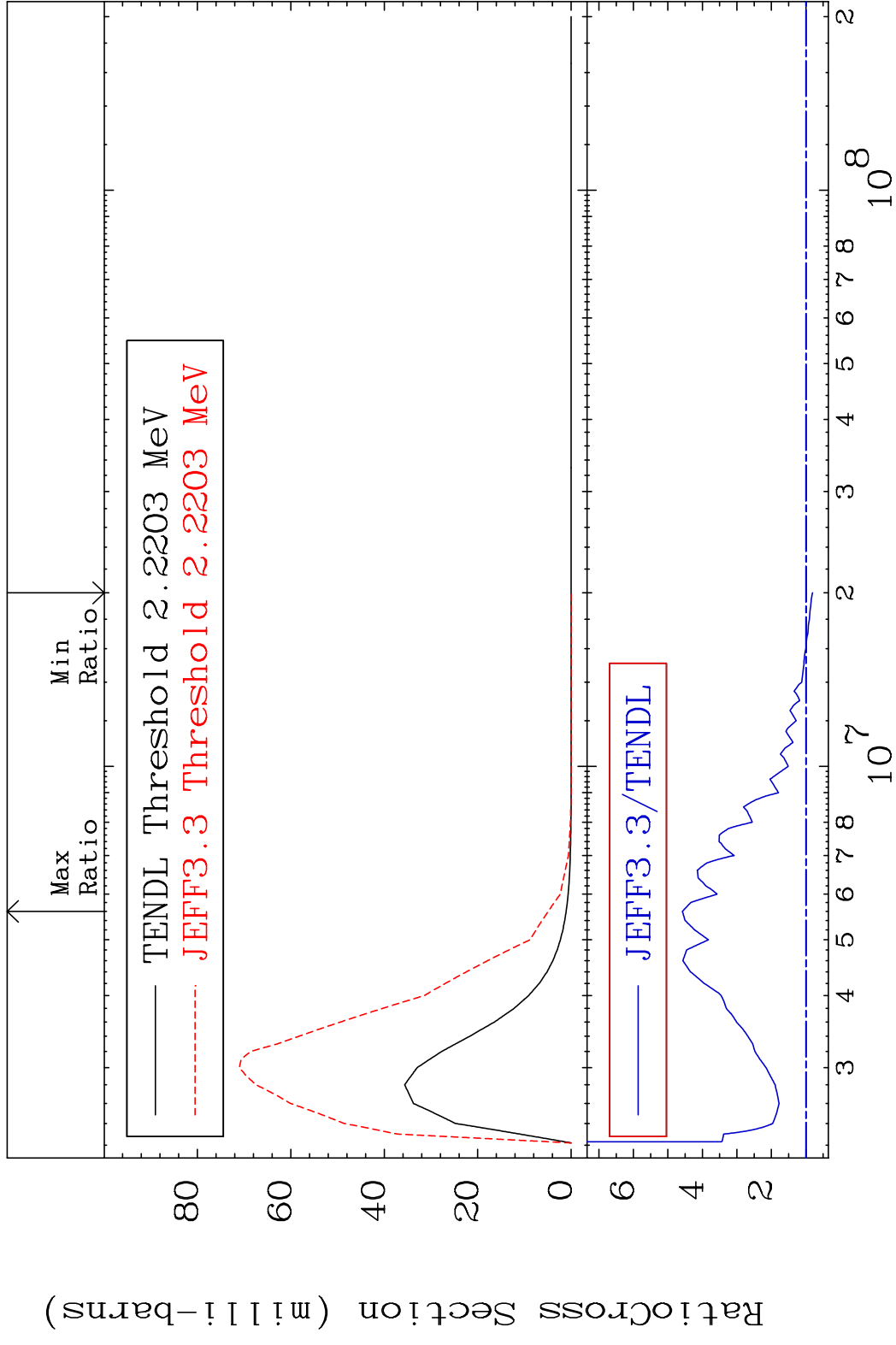
MAT 6031 MT= 60 (n, n') Level 60-Nd-144  
 Cross Section -67.80 To 250.3 %



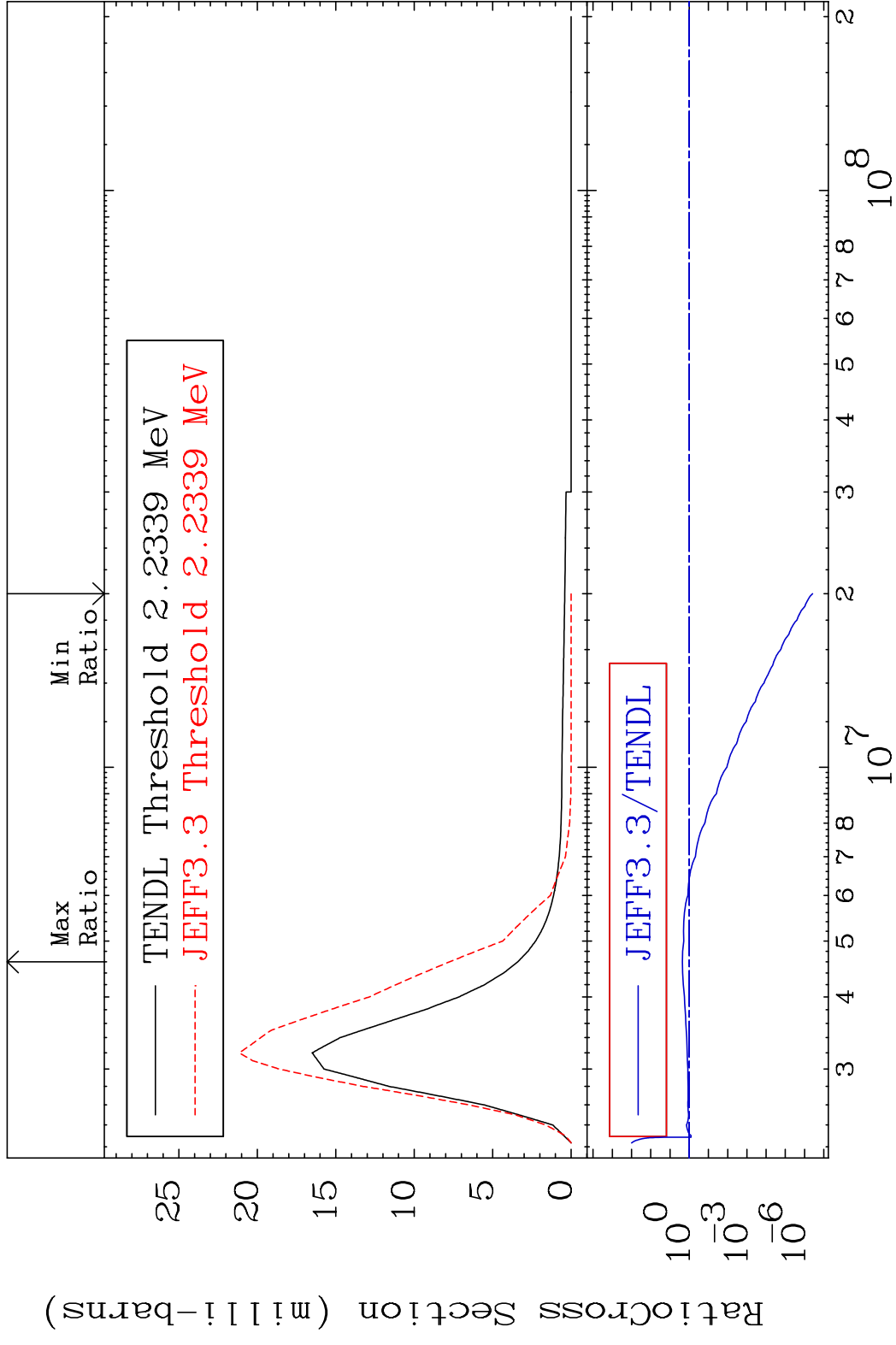
MAT 6031 MT= 61 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 178.1 %



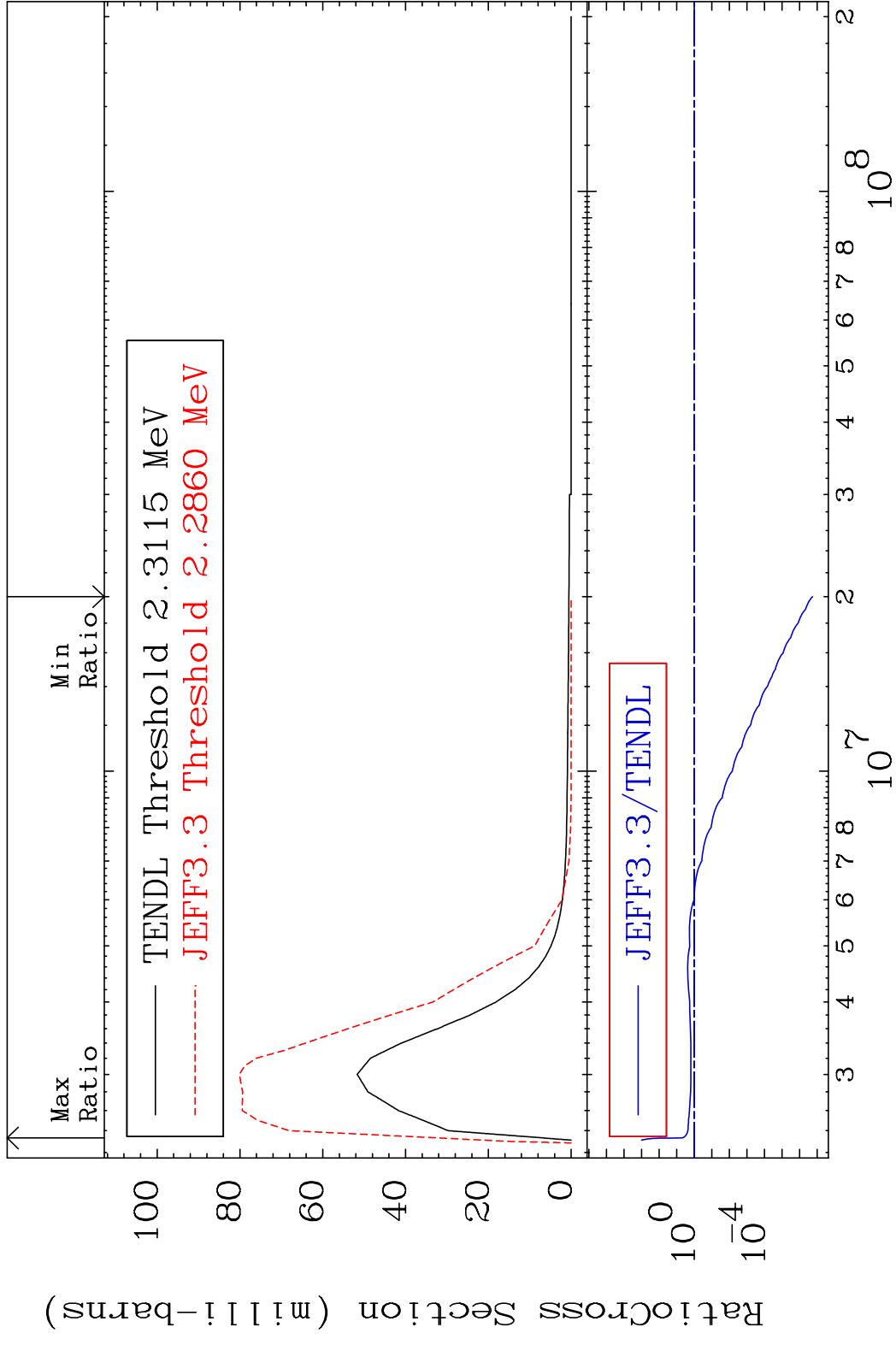
MAT 6031 MT= 62 (n, n') Level 60-Nd-144  
 Cross Section -19.32 To 358.1 %



MAT 6031 MT= 63 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 127.7 %

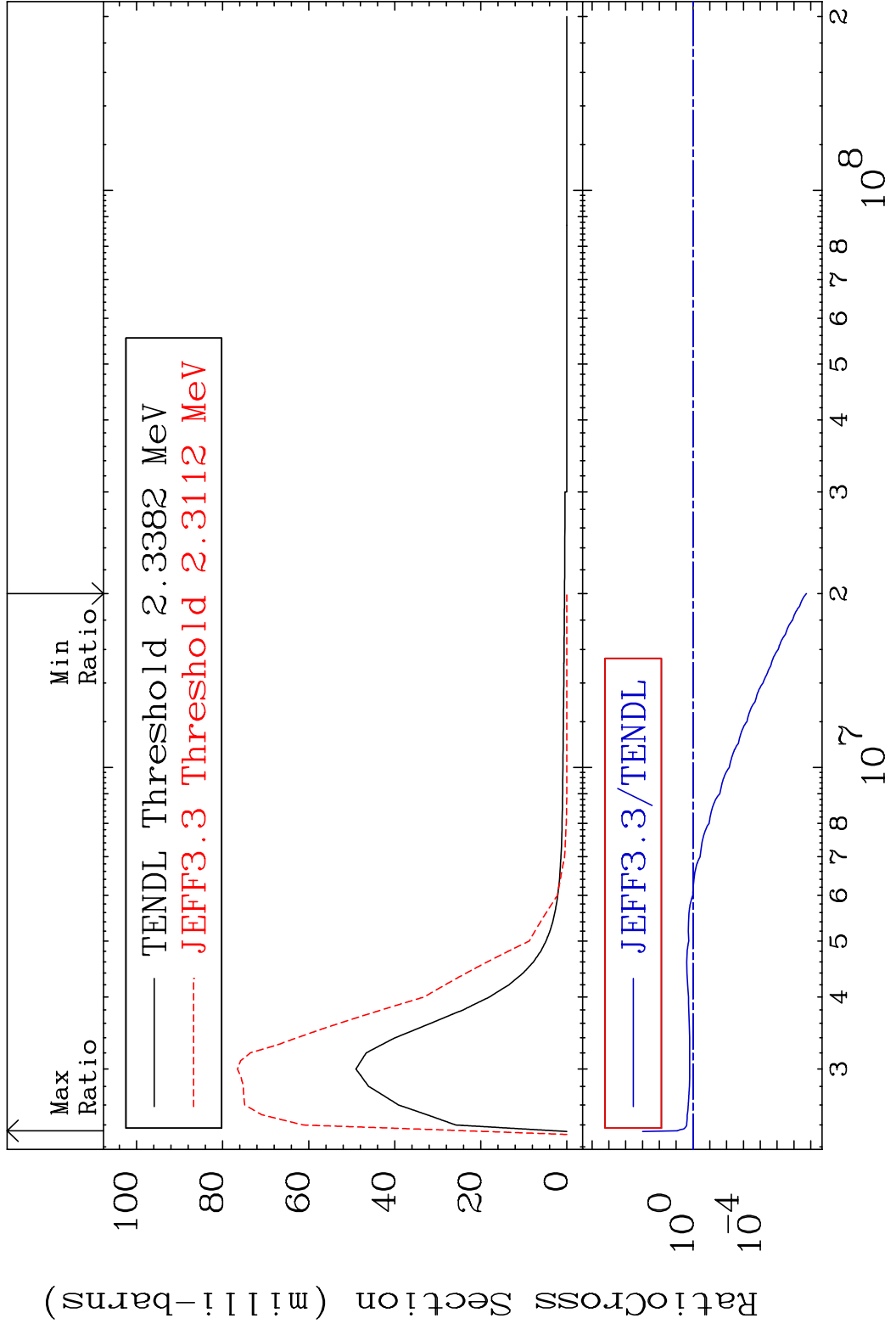


MAT 6031 MT= 64 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 377.9 %

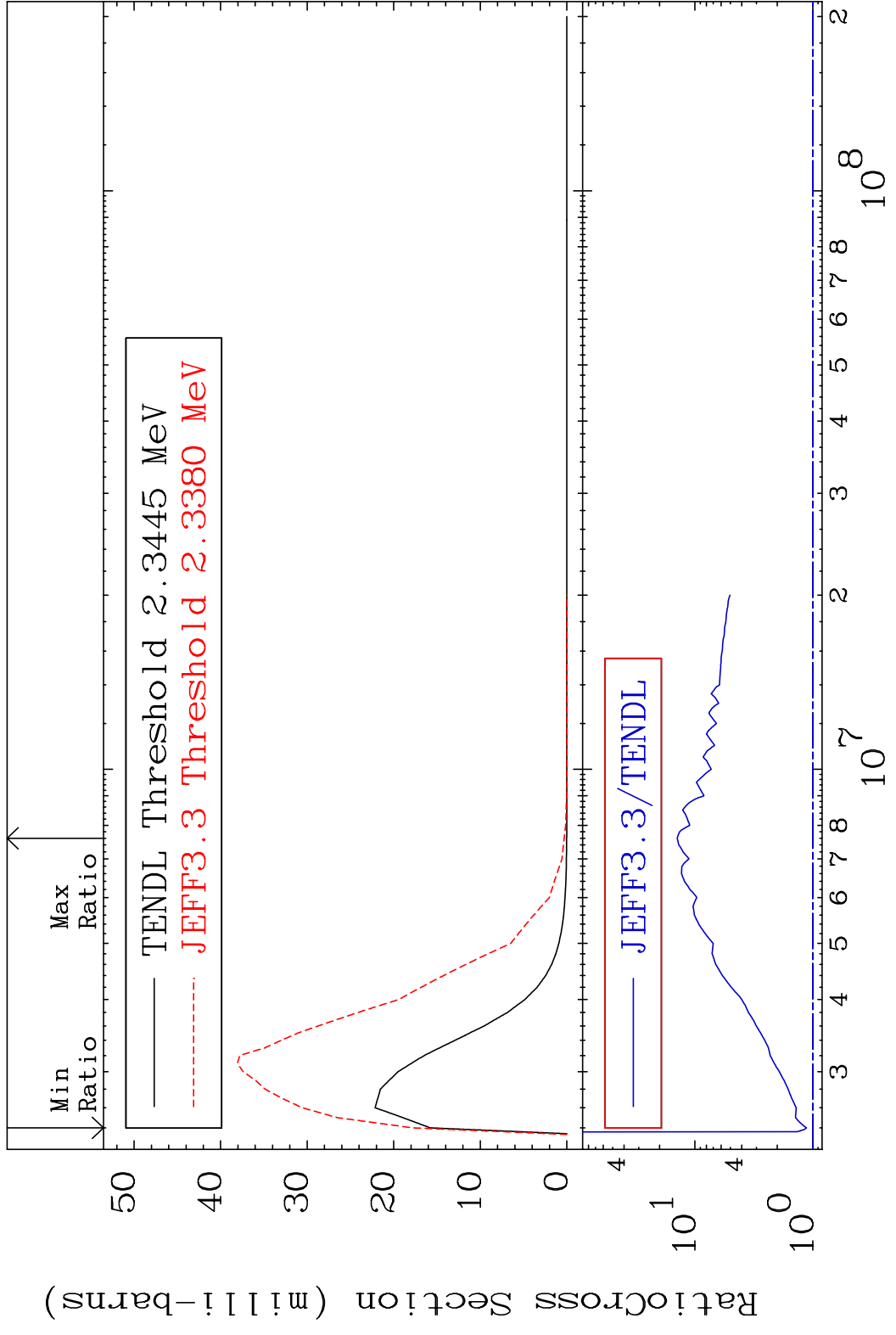




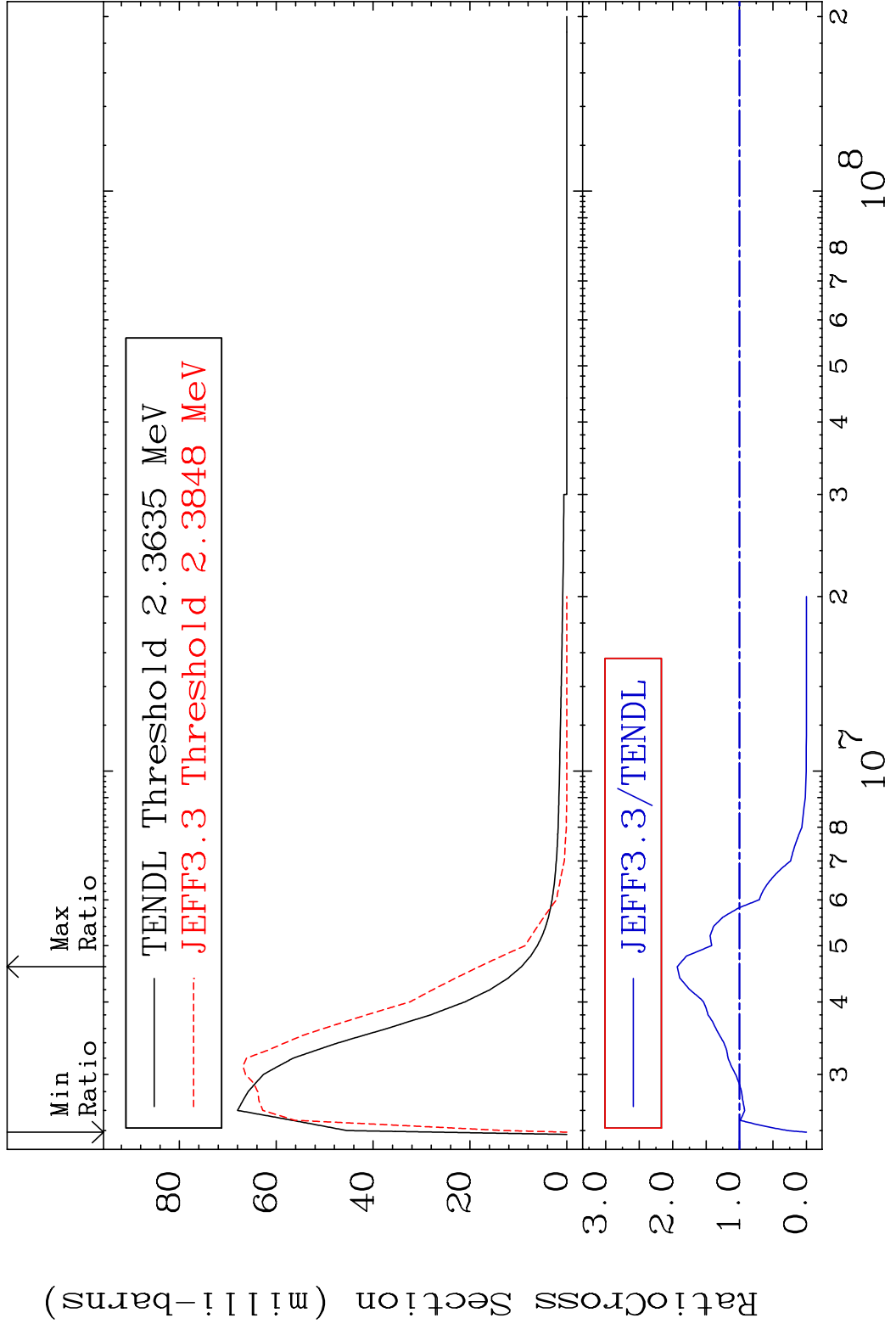
MAT 6031 MT= 65 (n,n') Level 60-Nd-144  
 Cross Section -100.0 To 769.7 %



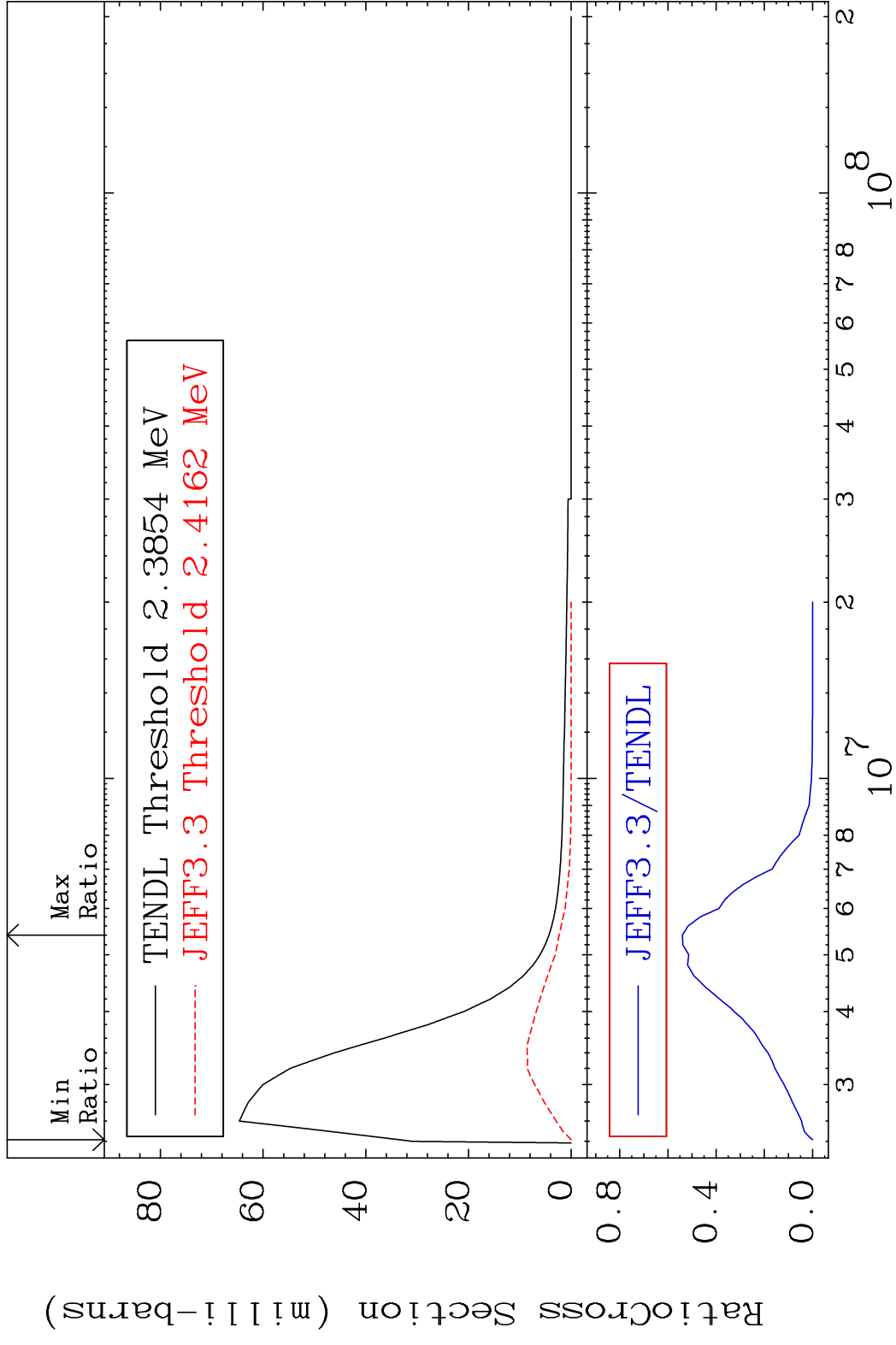
MAT 6031      MT= 66 (n,n') Level      60-Nd-144  
 Cross Section    13.07    To 1315. %



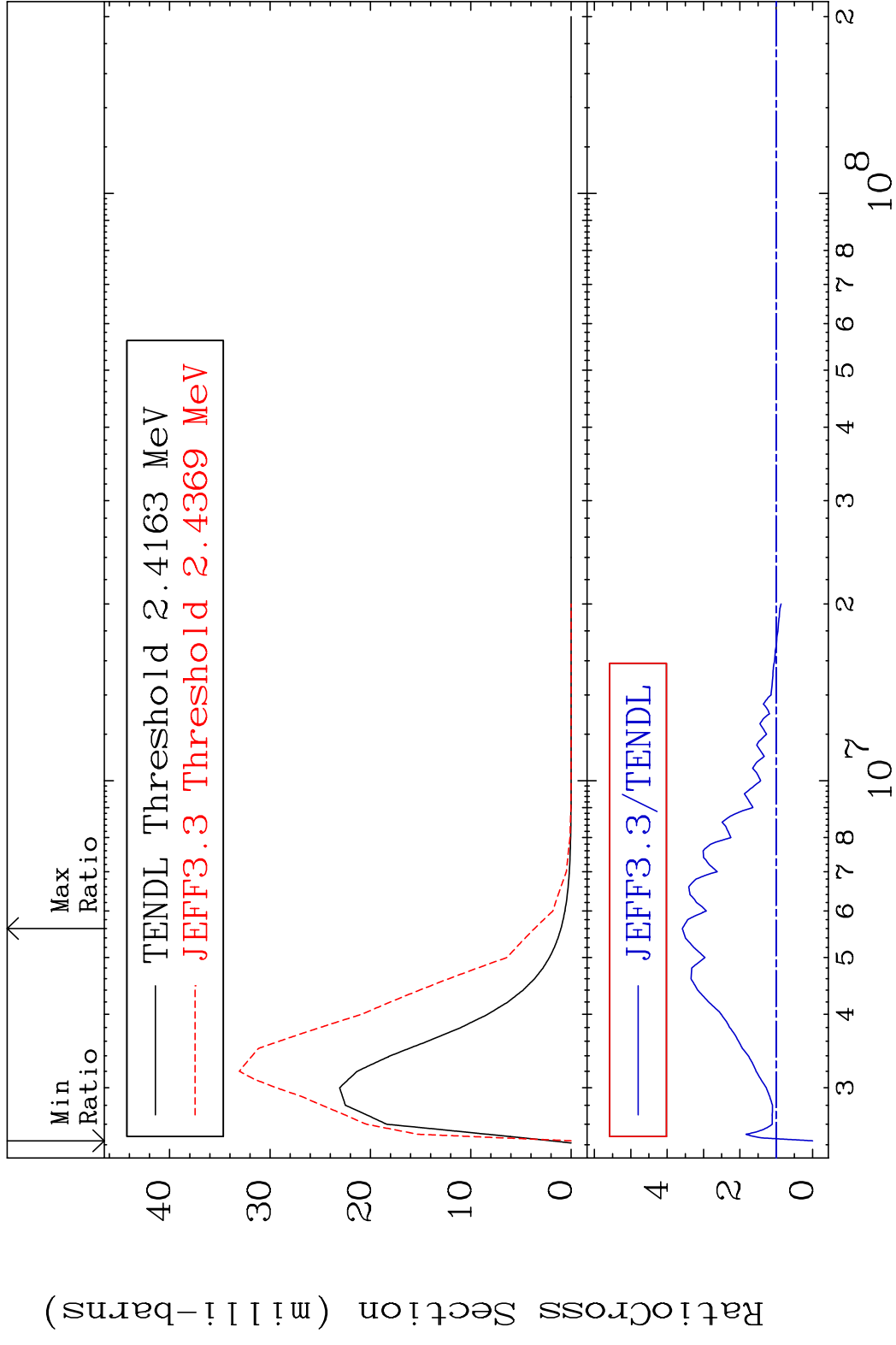
MAT 6031 MT= 67 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 93.23 %



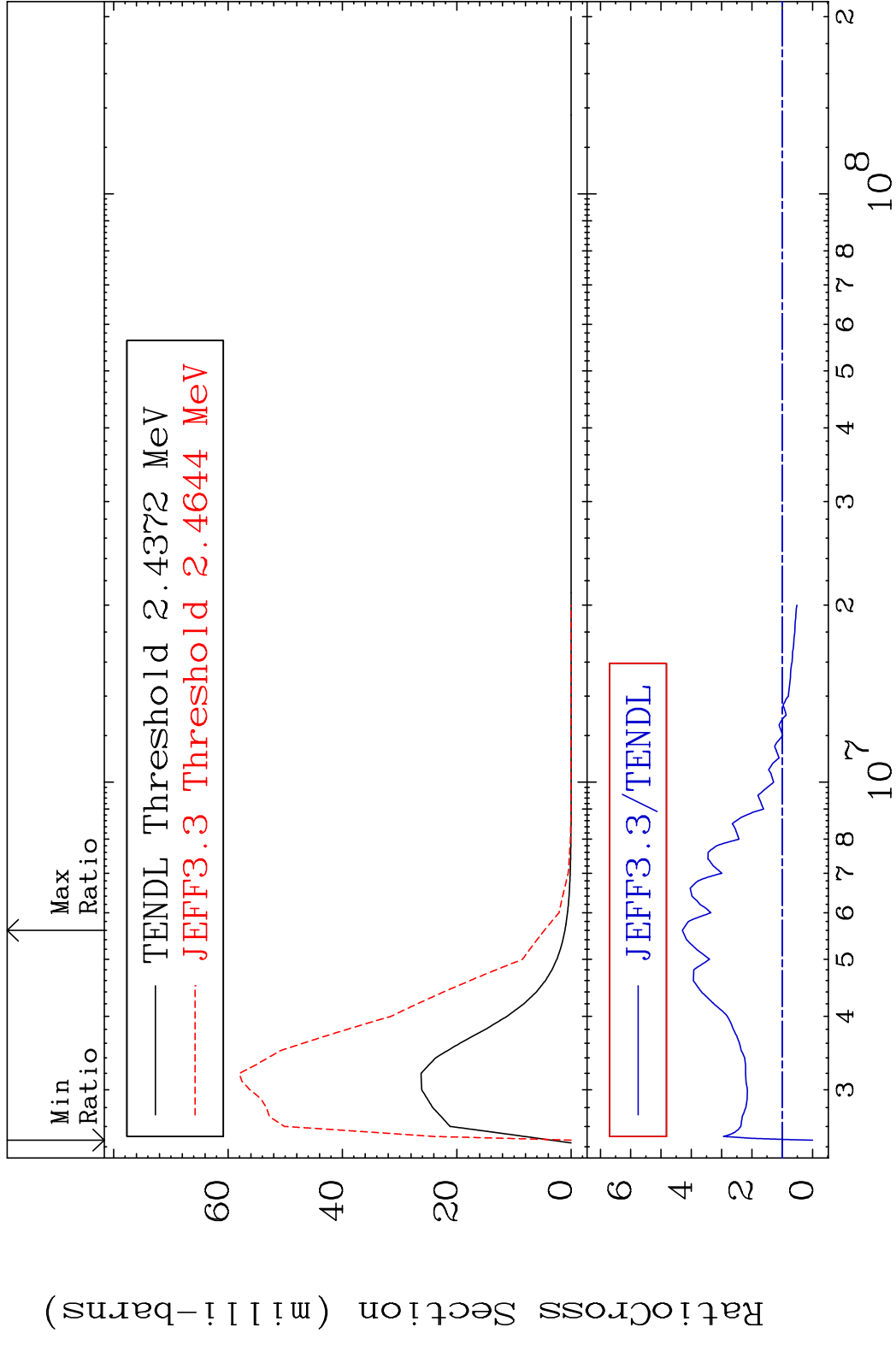
MAT 6031 MT= 68 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To -45.98%



MAT 6031 MT= 69 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 258.1 %

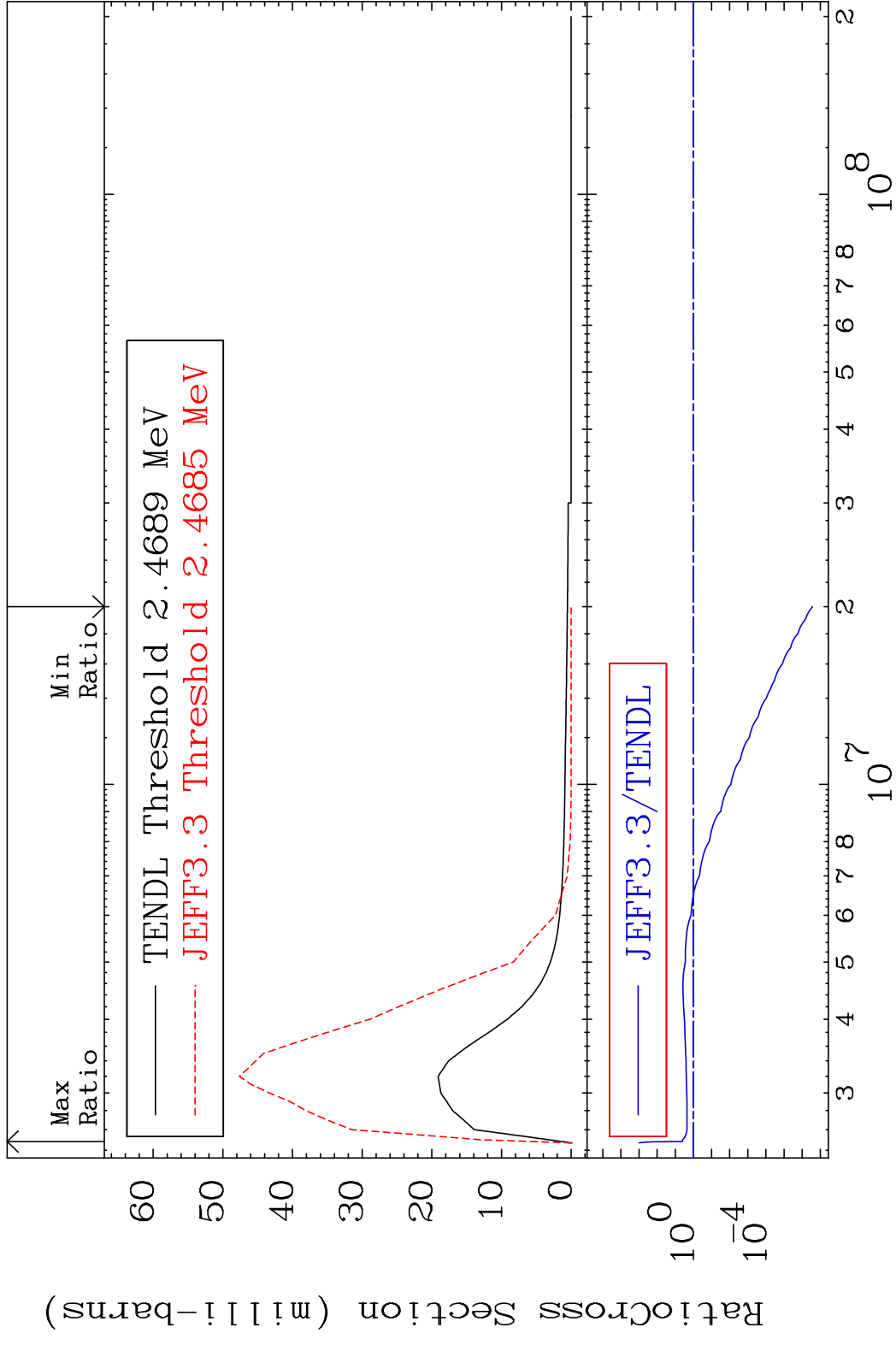


MAT 6031 MT= 70 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 329.6 %



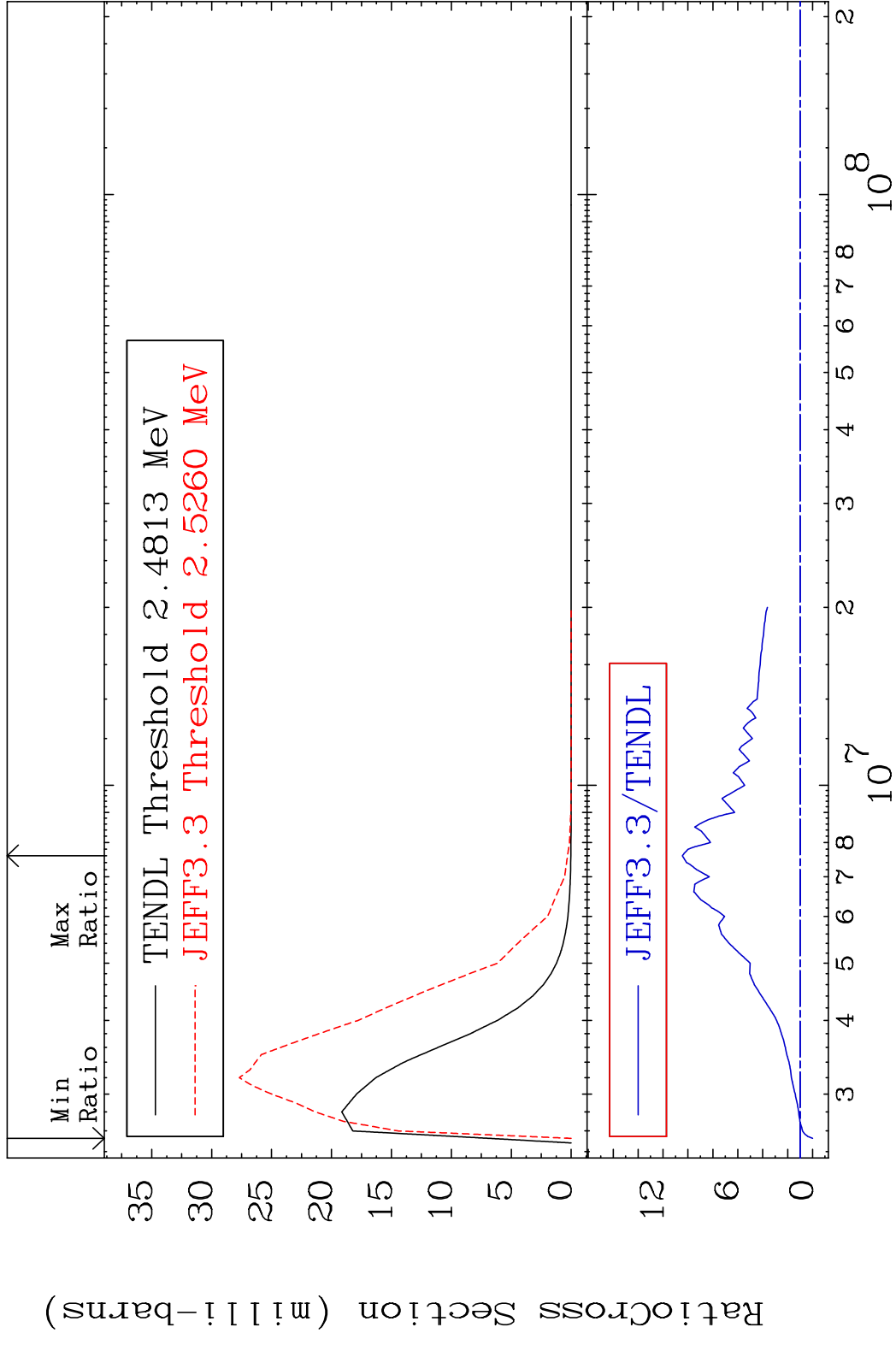
29 Incident Energy (eV) 60-Nd-144

MAT 6031 MT= 71 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 305.1 %



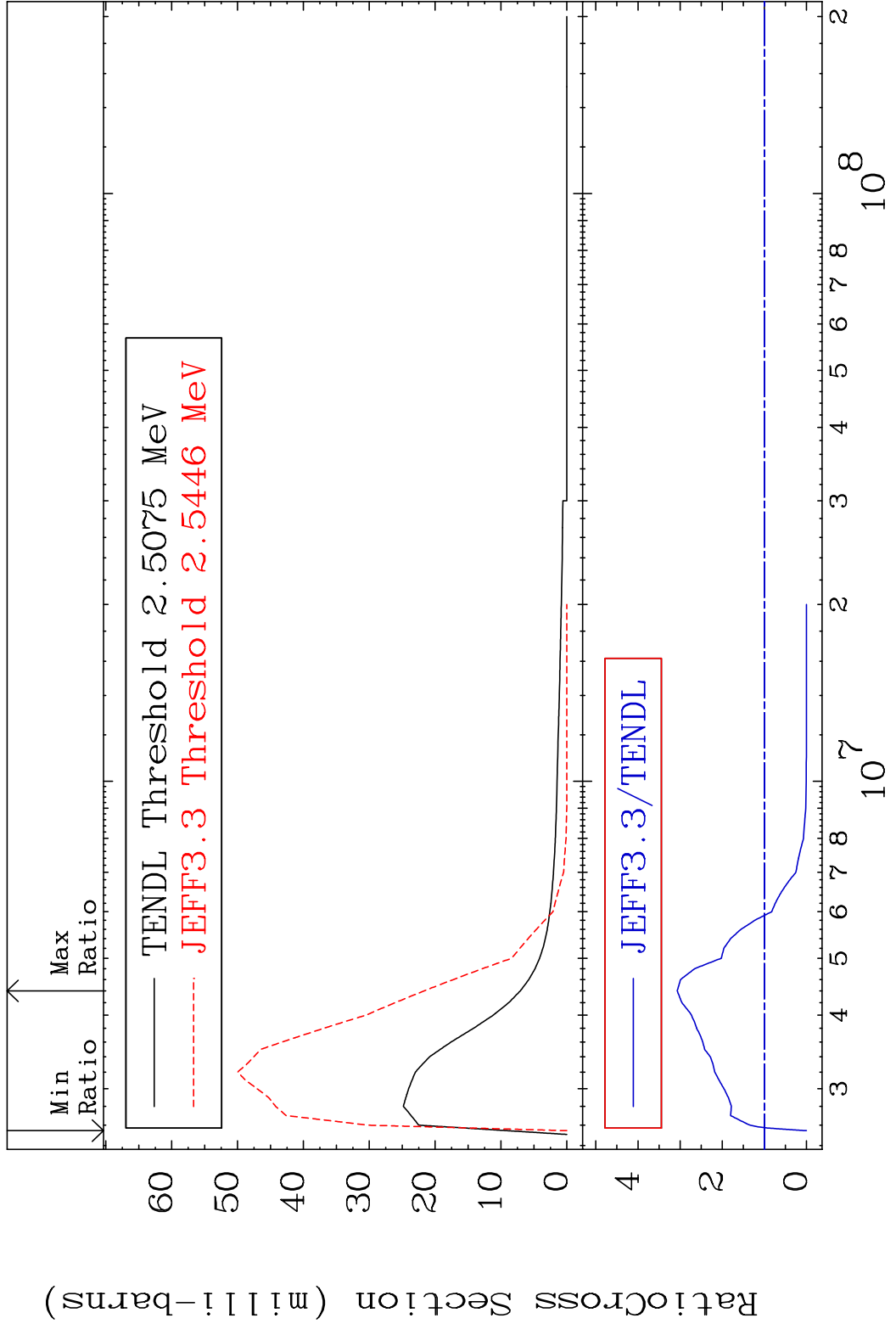
30 Incident Energy (eV) 60-Nd-144

MAT 6031 MT= 72 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 945.0 %

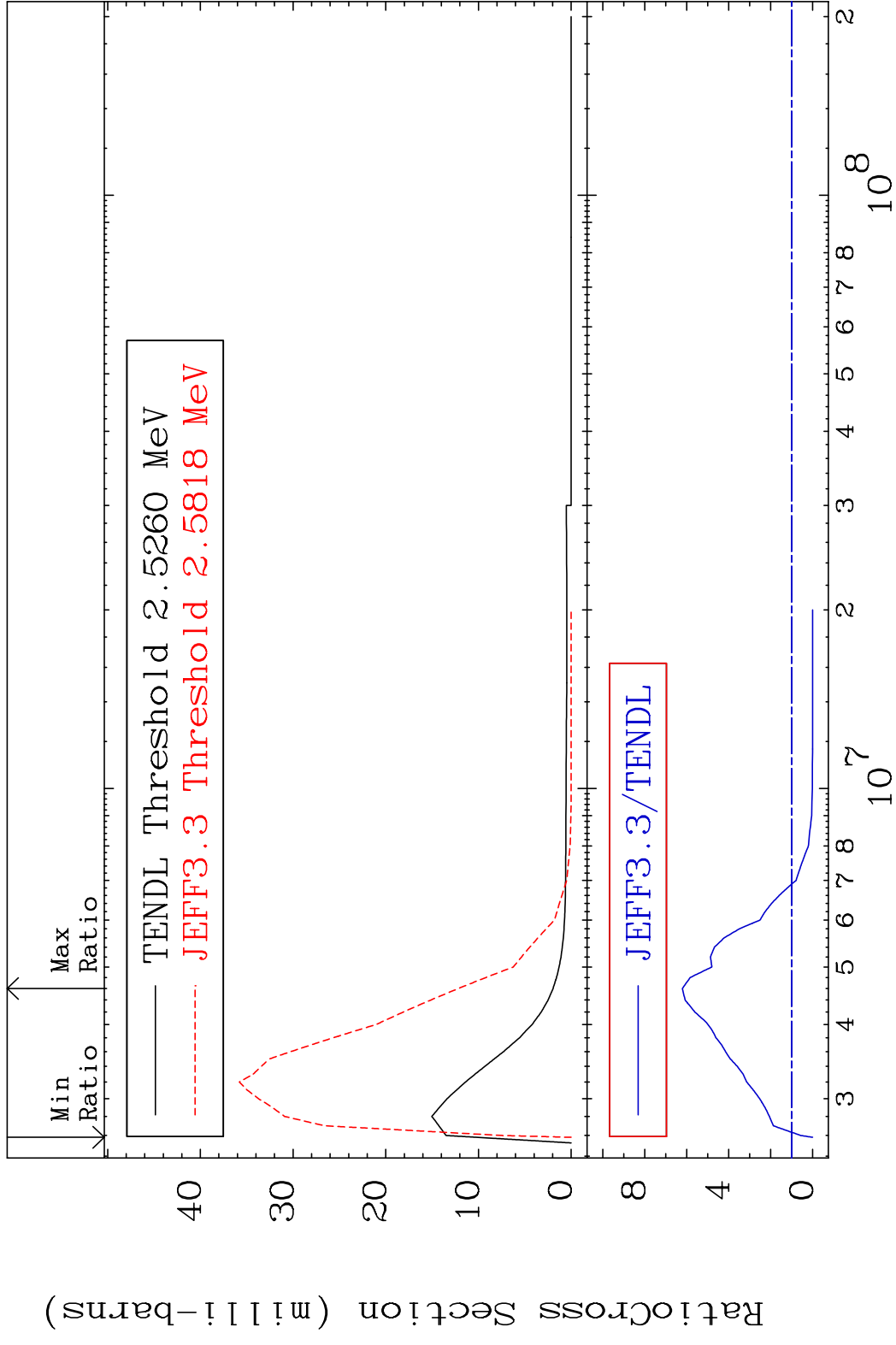




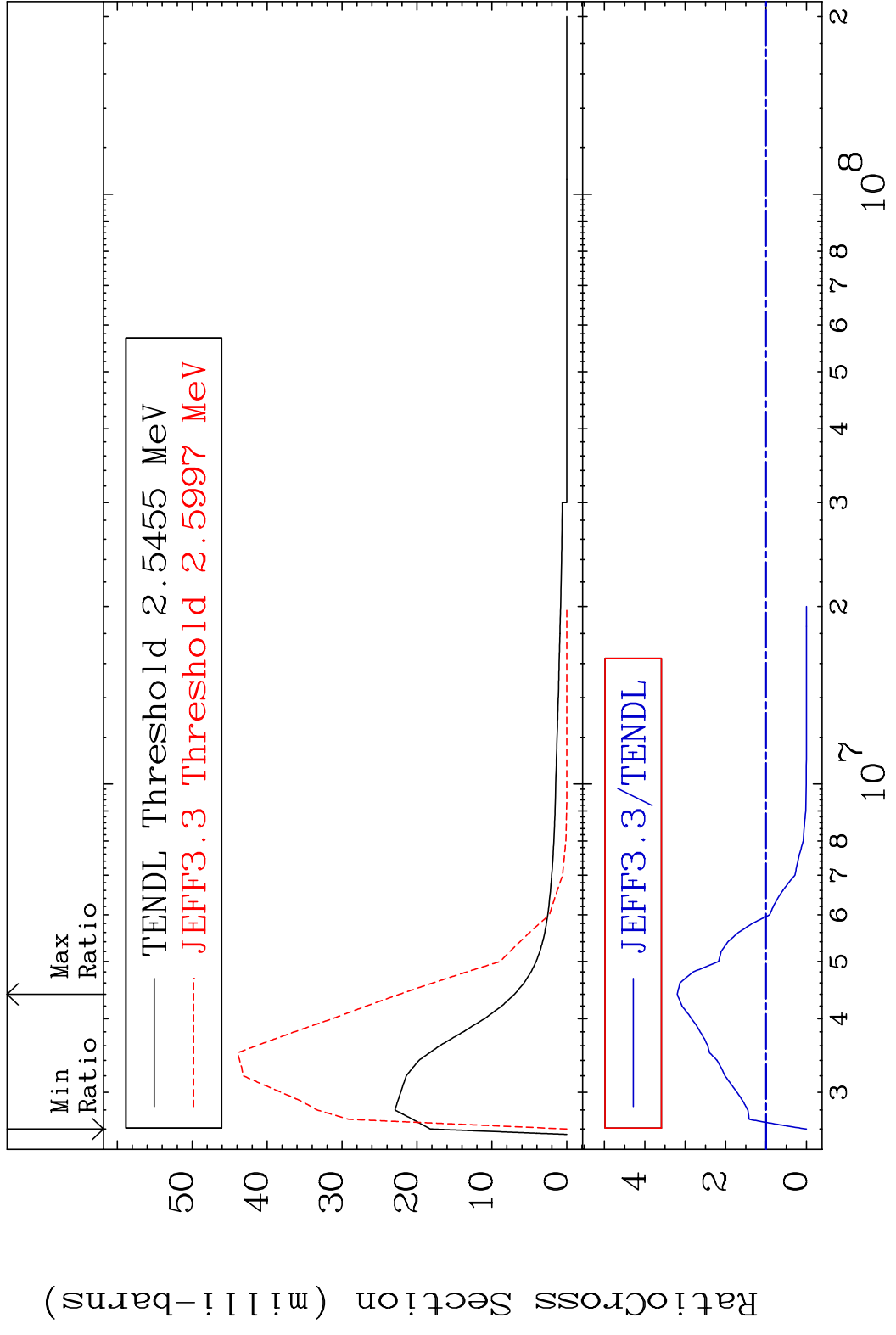
MAT 6031 MT= 73 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 206.8 %



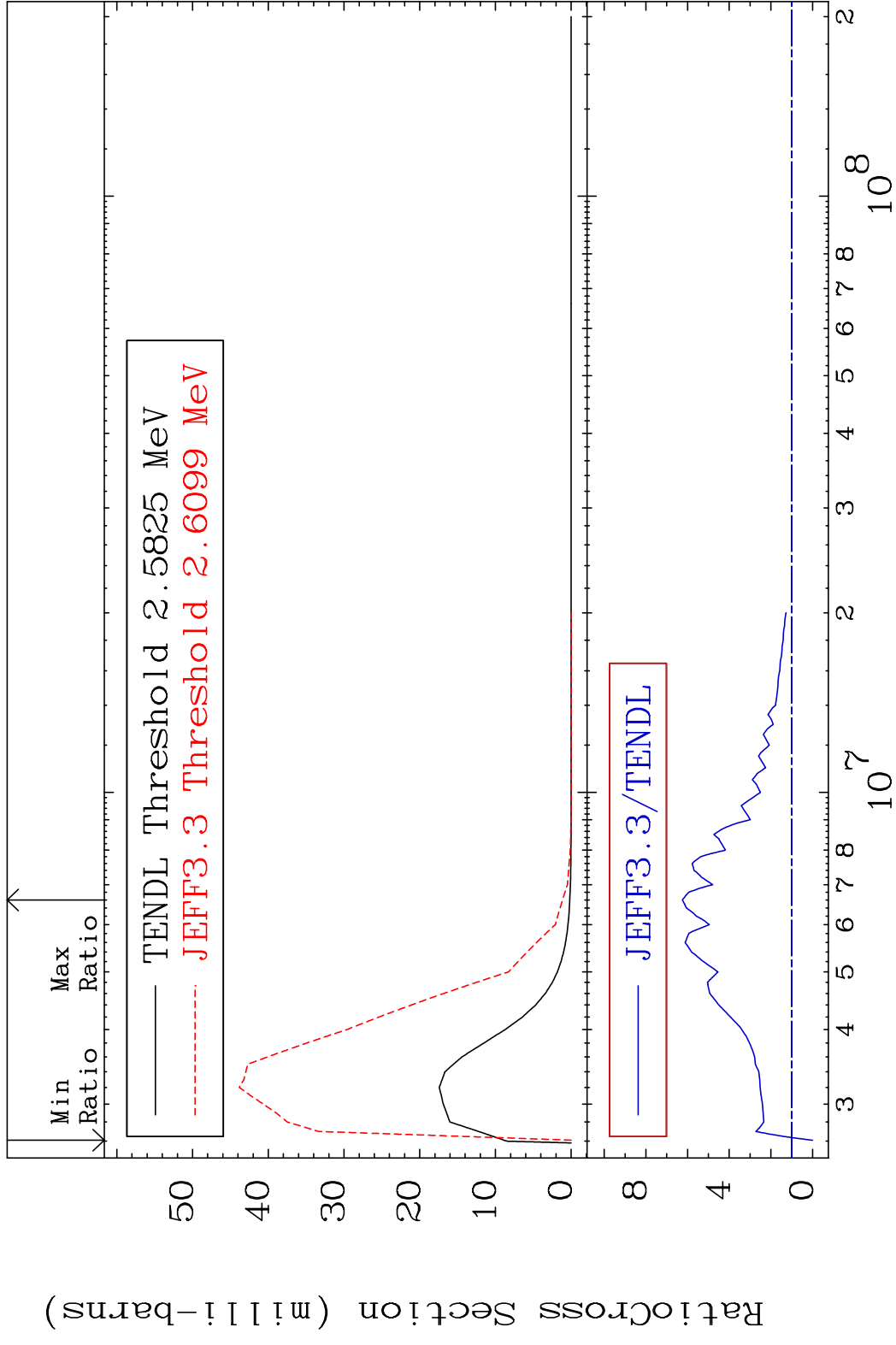
MAT 6031 MT= 74 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 520.7 %



MAT 6031 MT= 75 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 219.9 %

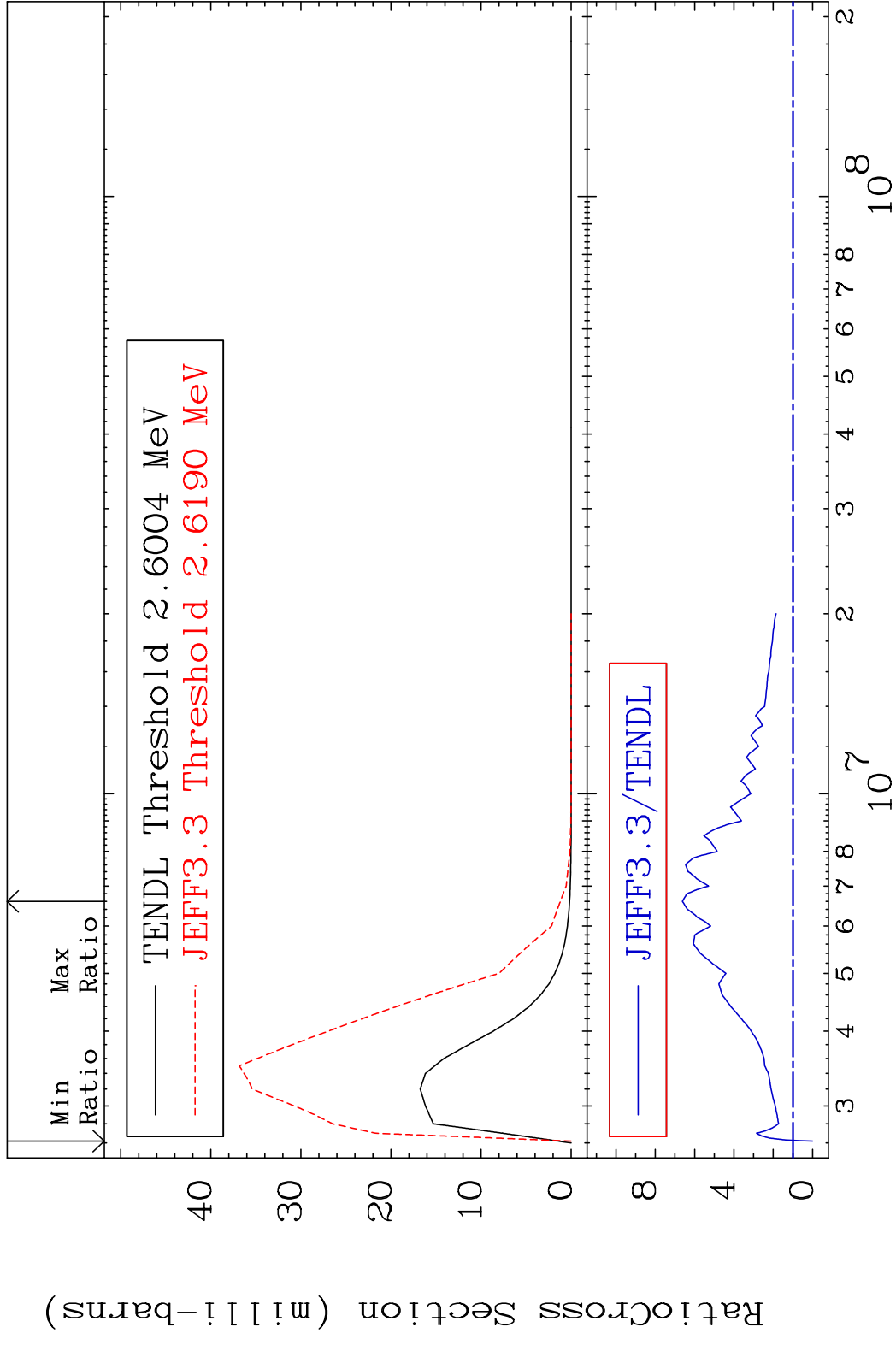


MAT 6031 MT= 76 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 525.1 %

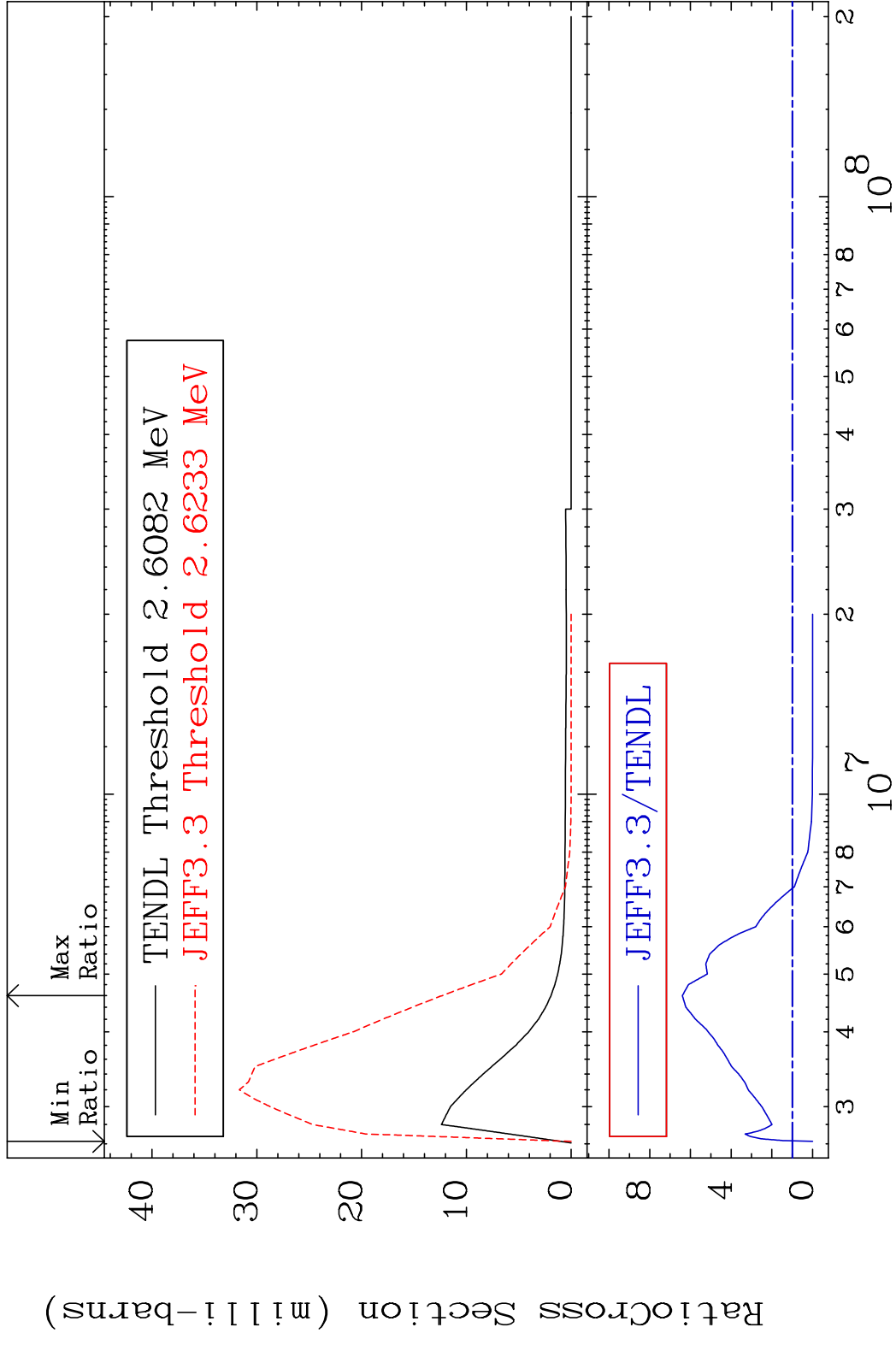


35 Incident Energy (eV) 60-Nd-144

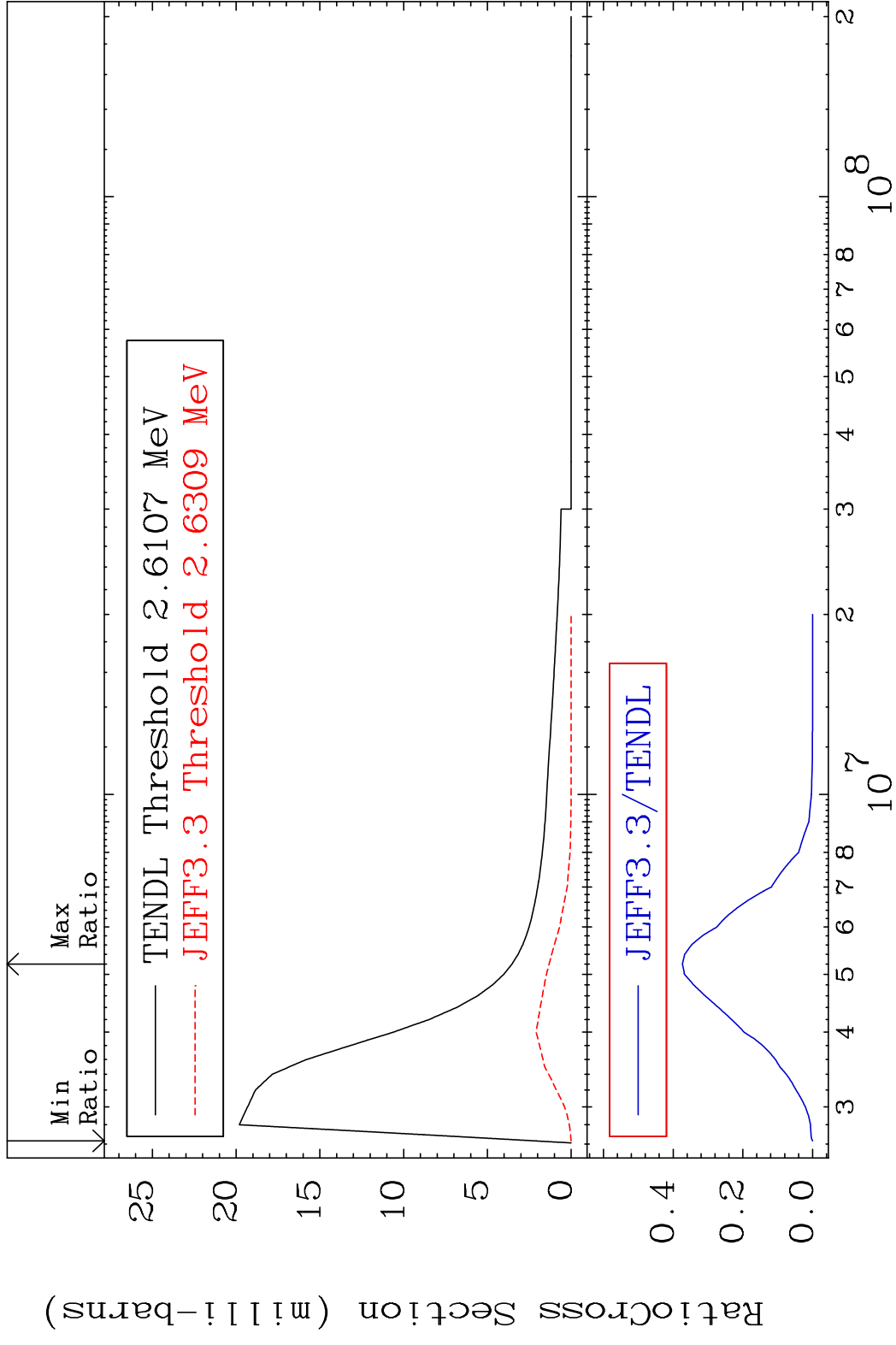
MAT 6031 MT= 77 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 562.3 %



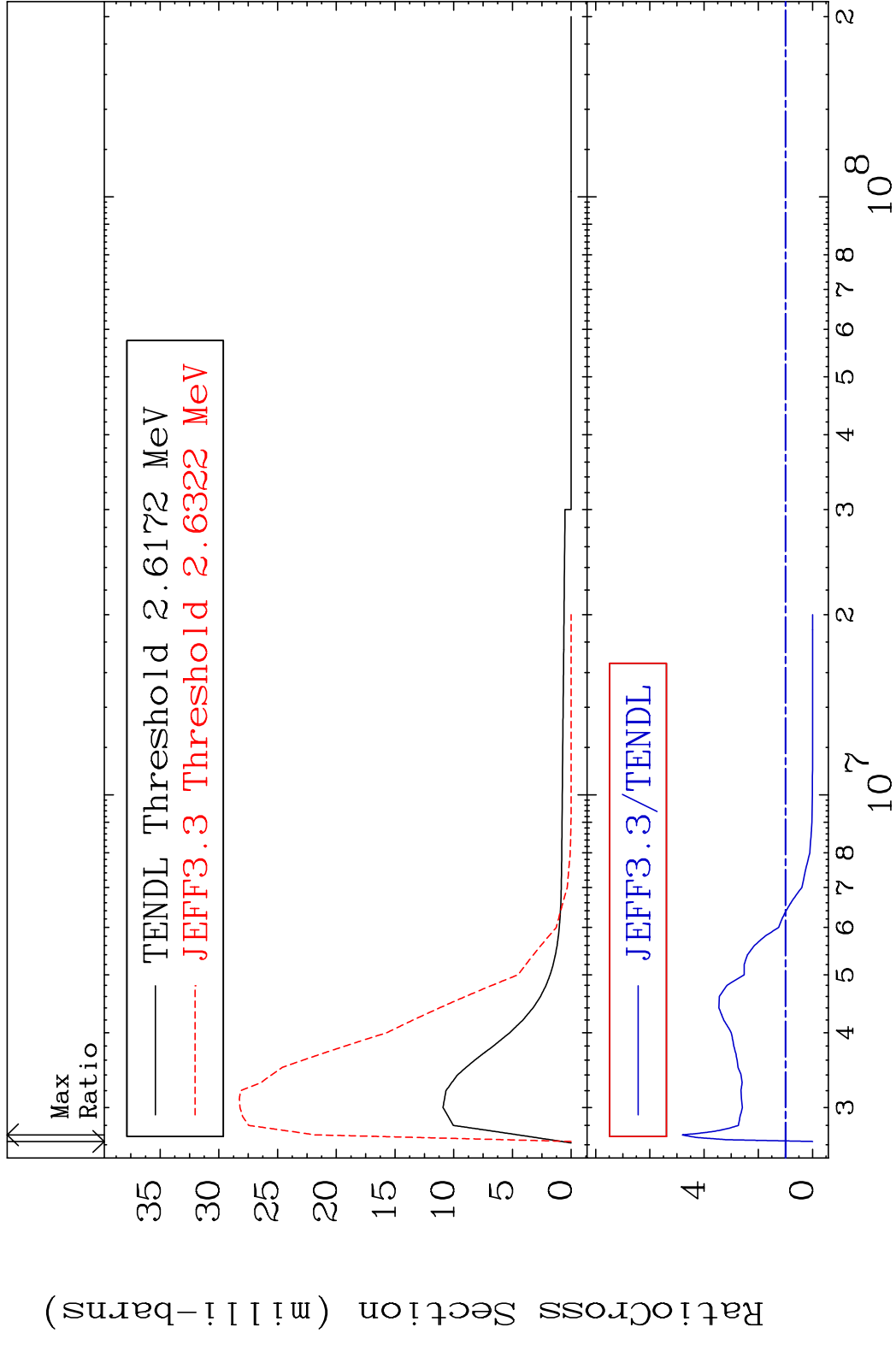
MAT 6031 MT= 78 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 539.8 %



MAT 6031 MT= 79 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To -62.64%



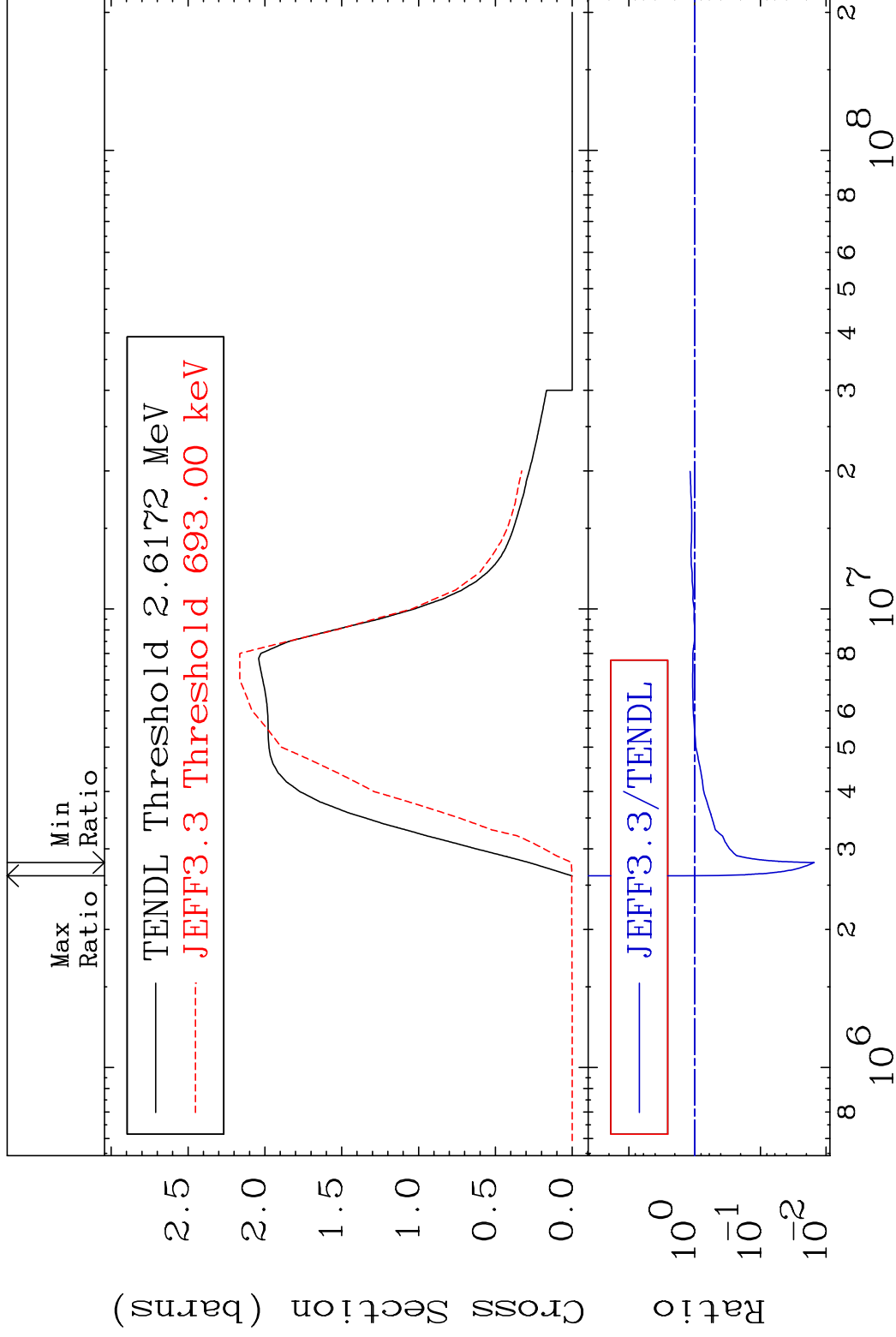
MAT 6031 MT= 80 (n, n') Level 60-Nd-144  
 Cross Section -100.0 To 380.2 %





MAT 6031

(n,n') Continuum 60-Nd-144  
Cross Section -98.48 To 46.75 %



40

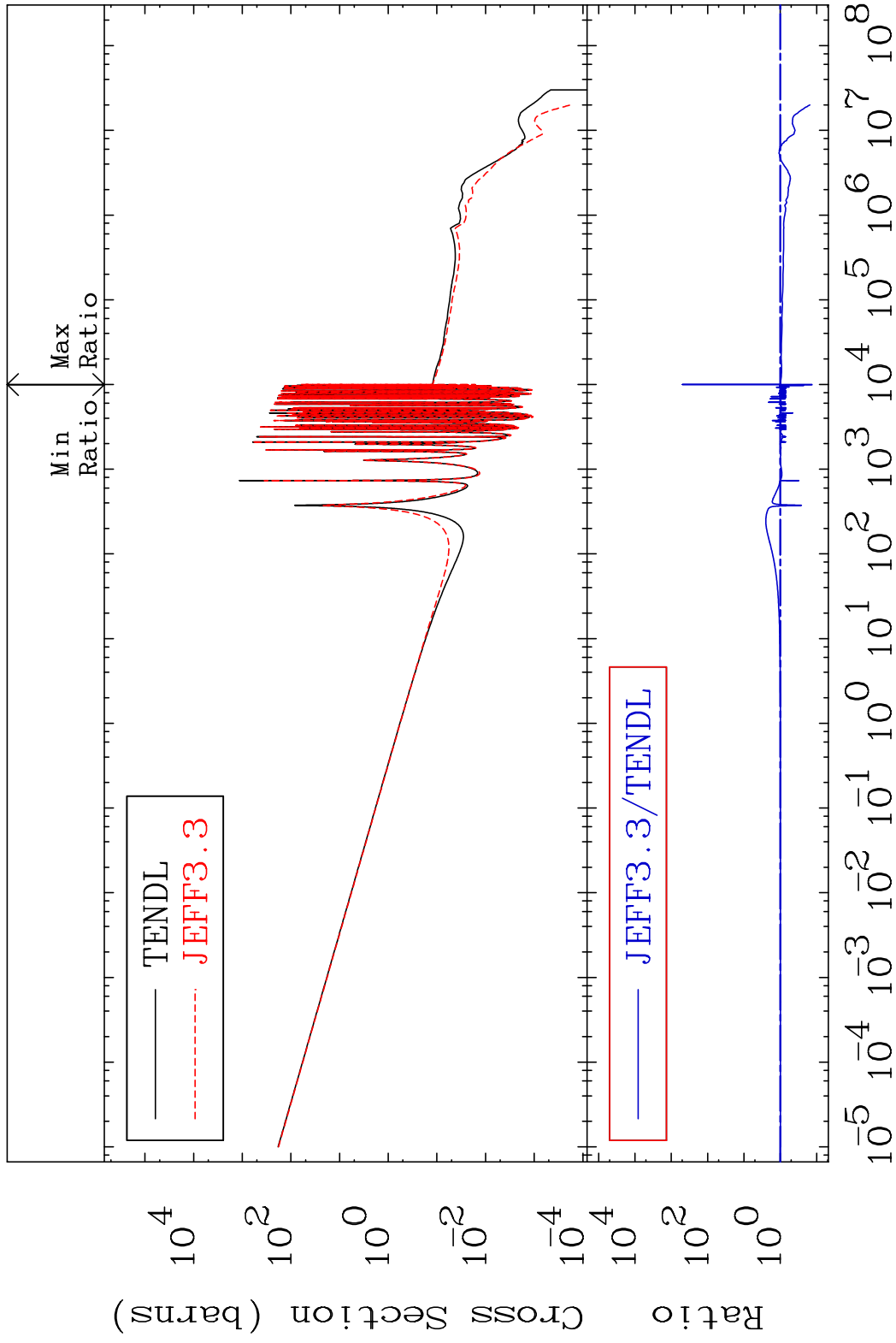
Incident Energy (eV)

60-Nd-144

MAT 6031

(n,  $\gamma$ )  
Cross Section -87.05 To 9999. %

60-Nd-144



41

Incident Energy (eV)

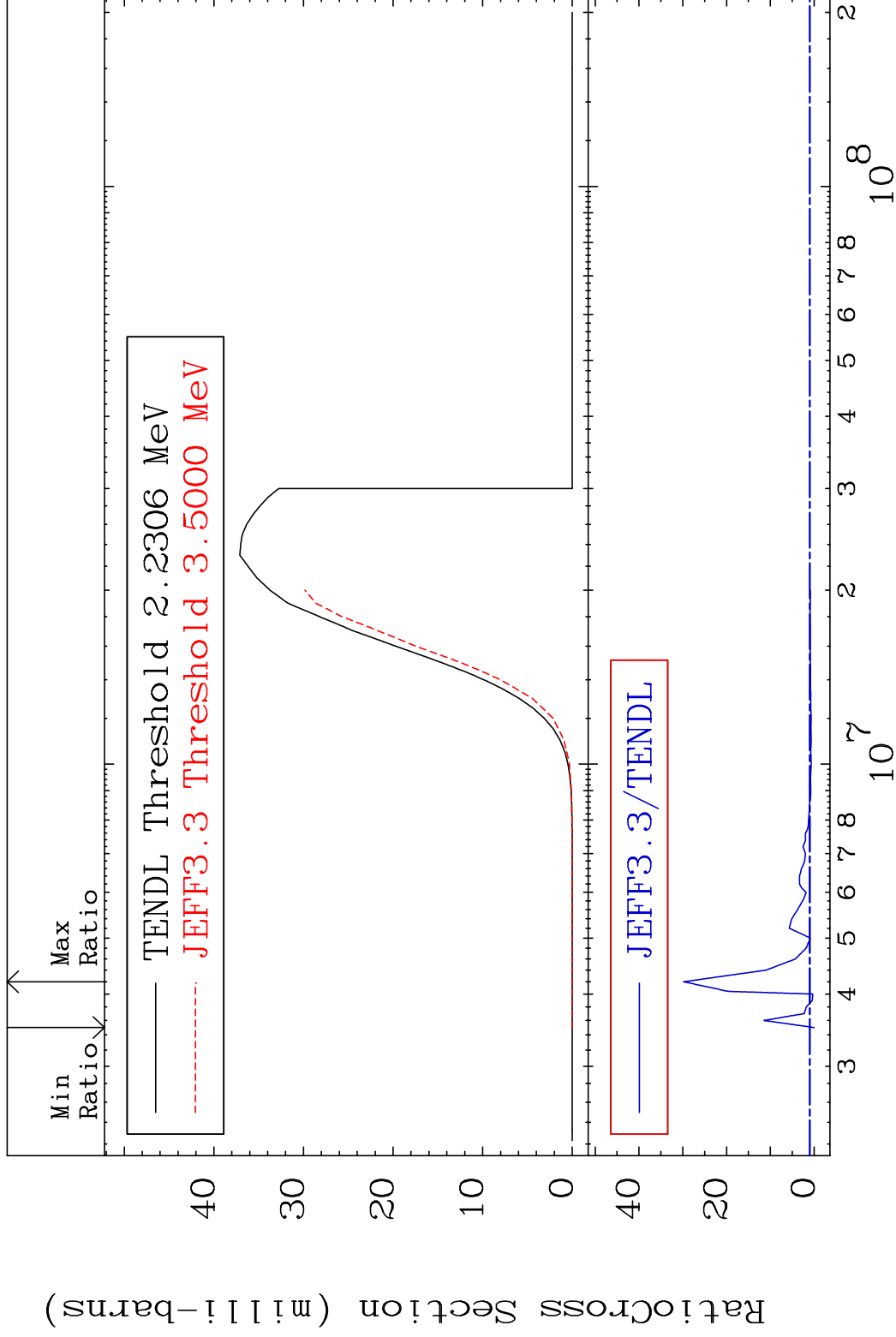
60-Nd-144

MAT 6031

(n, p)

60-Nd-144

Cross Section -100.0 To 2879. %



42

Incident Energy (eV)

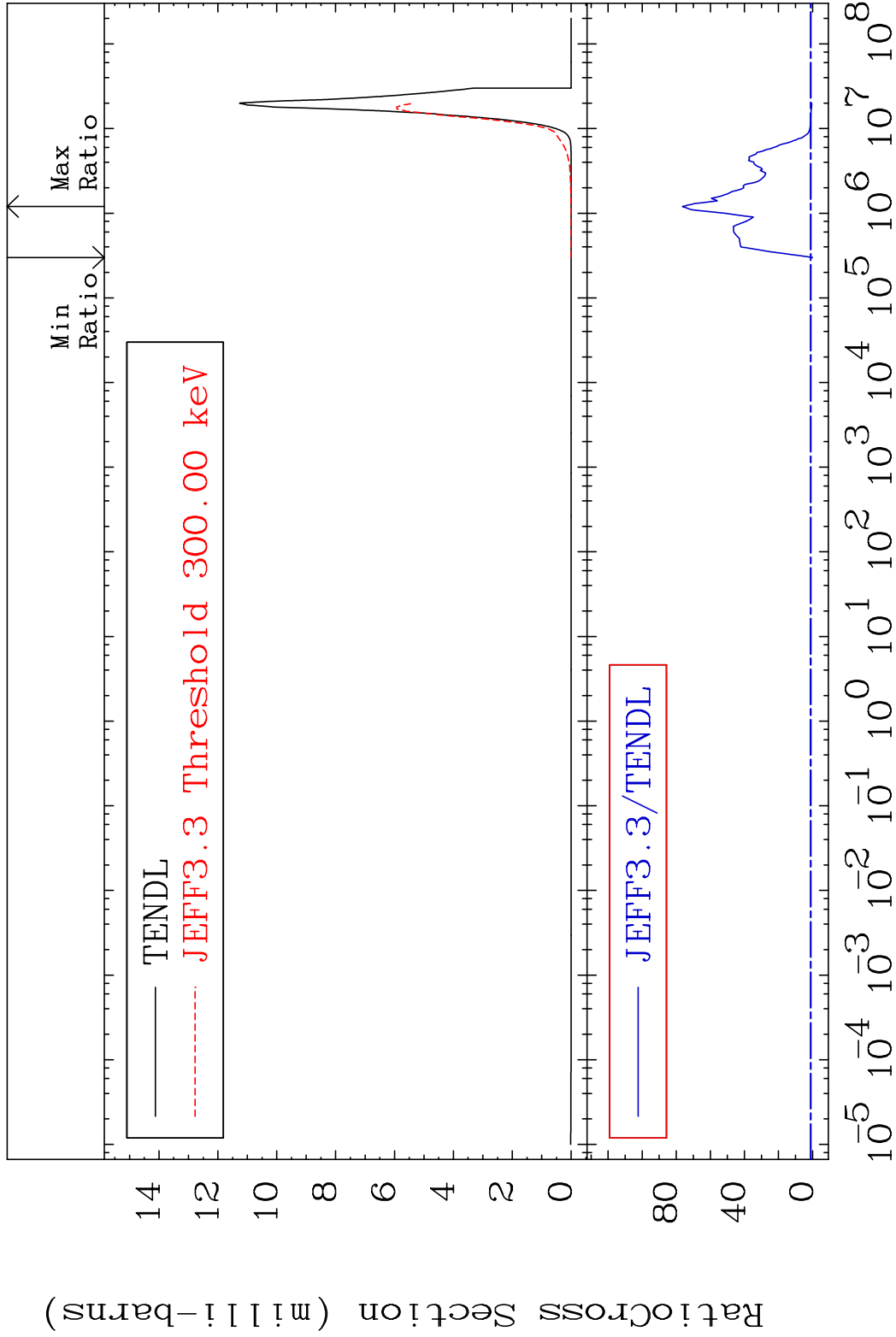
60-Nd-144

MAT 6031

(n,  $\alpha$ )

60-Nd-144

Cross Section -100.0 To 7542. %



43

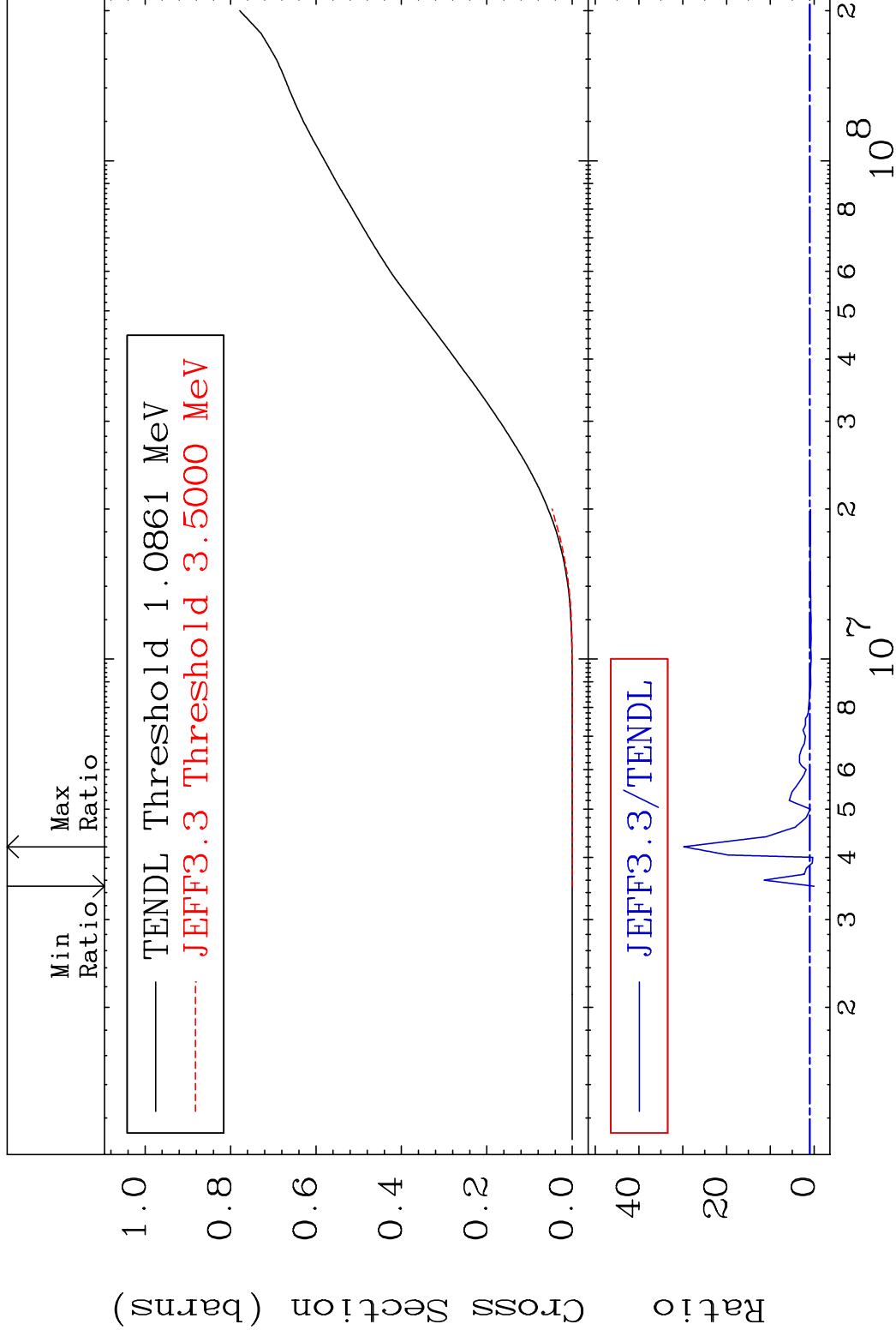
Incident Energy (eV)

60-Nd-144

MAT 6031

Hydrogen Production  
Cross Section -100.0 To 2879. %

60-Nd-144



44

Incident Energy (eV)

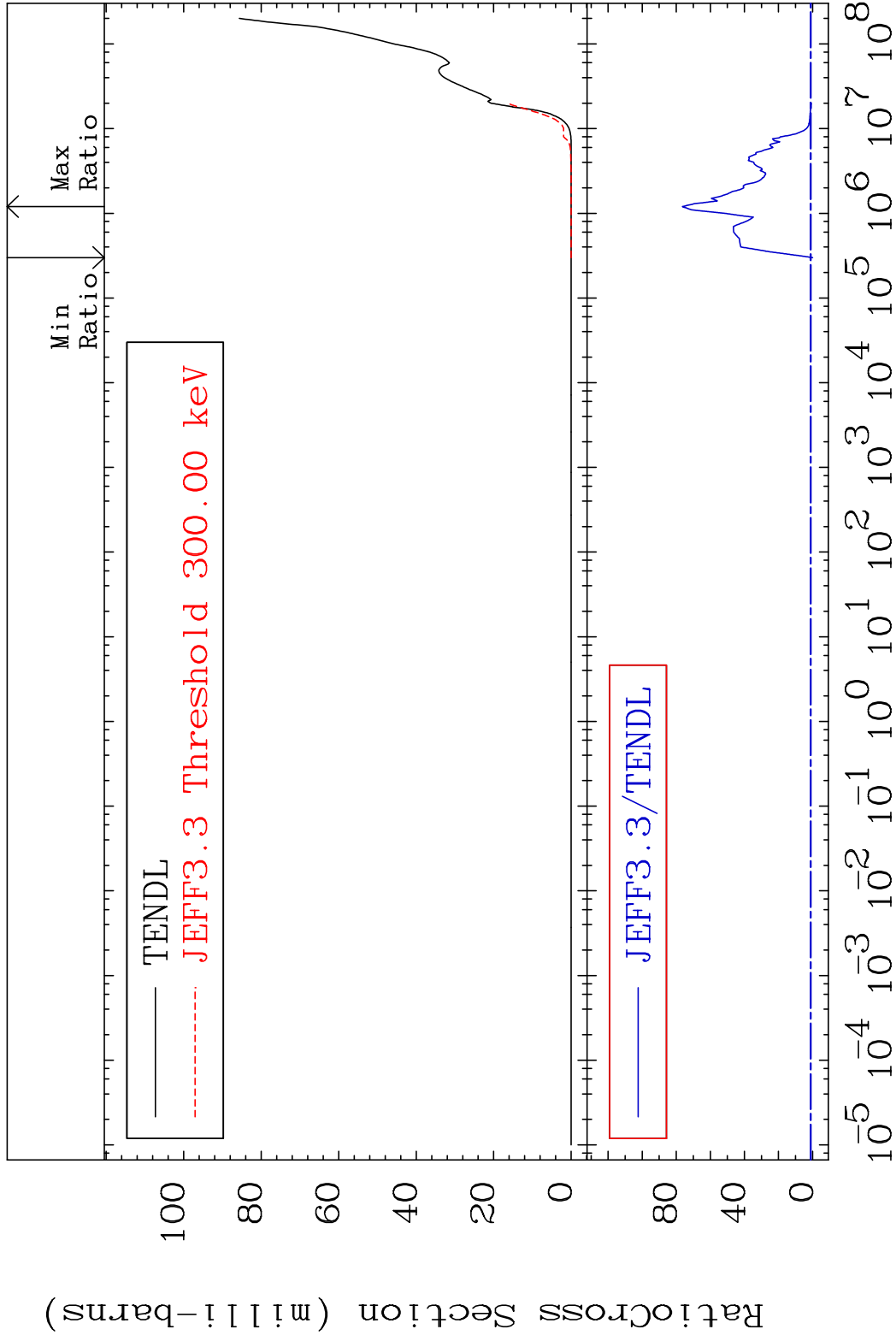
60-Nd-144

MAT 6031

He-4 Production

60-Nd-144

Cross Section -100.0 To 7542. %

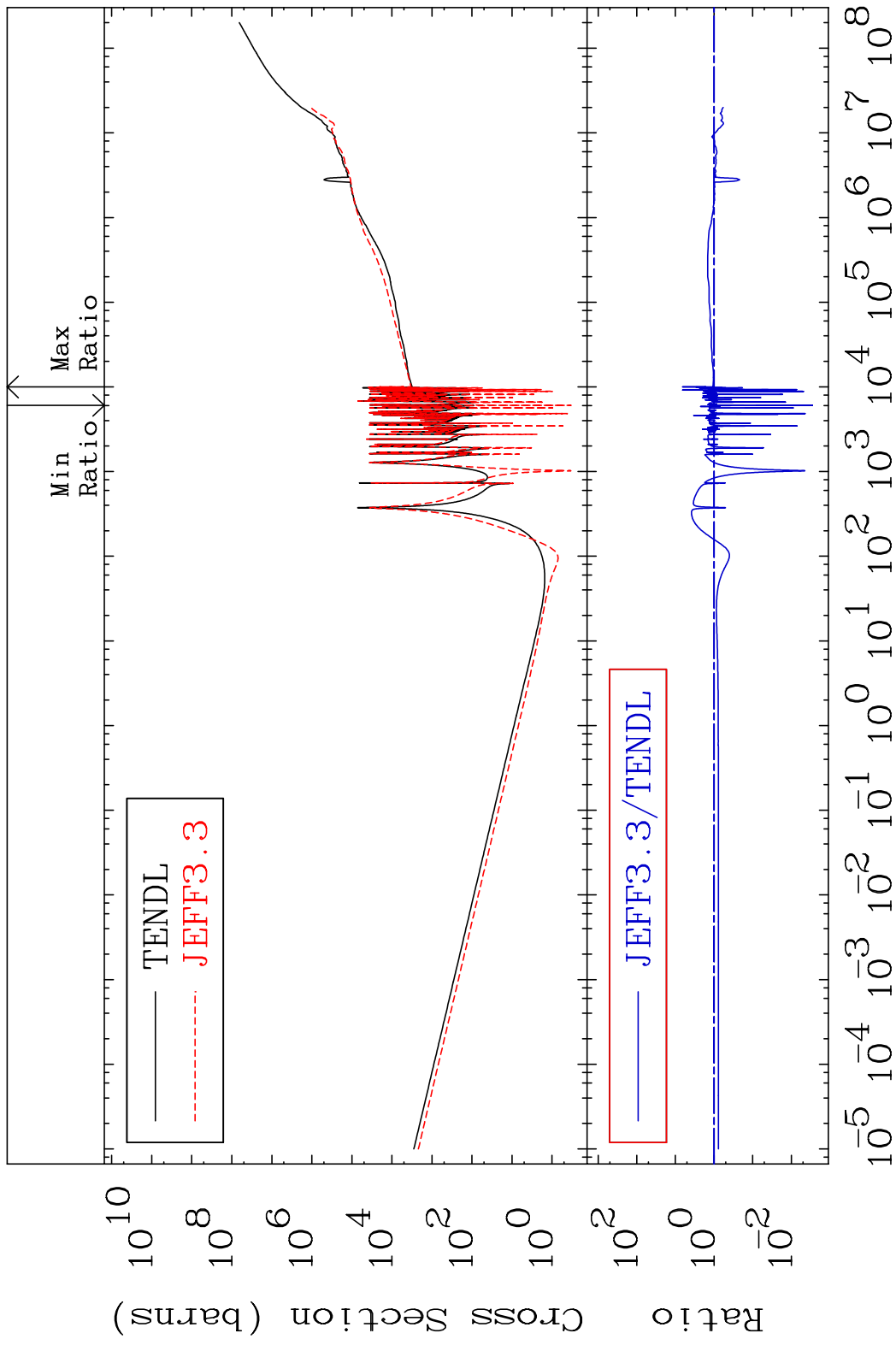


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Incident Energy (eV)

60-Nd-144

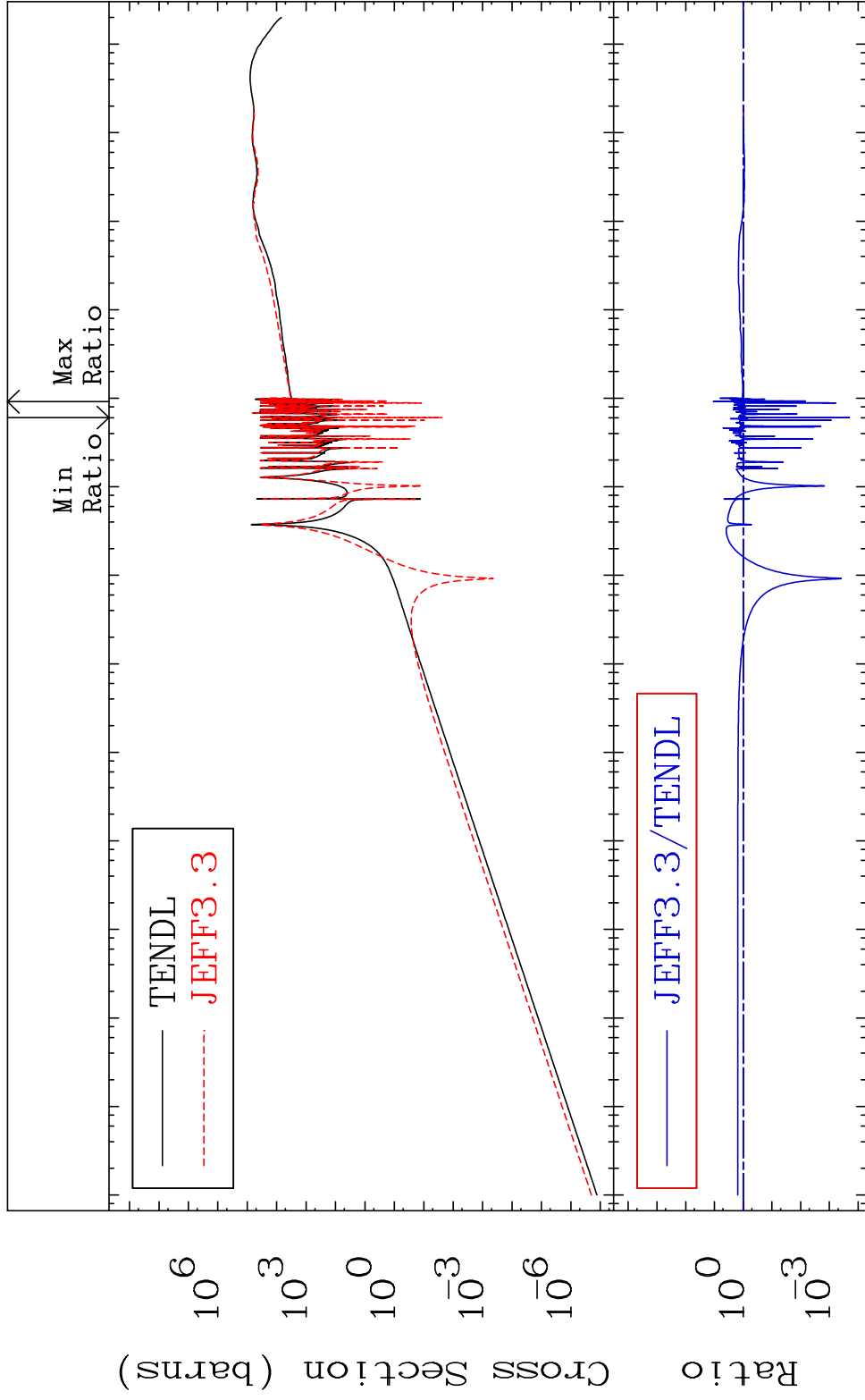
MAT 6031 Kerma total (eV-barns) 60-Nd-144  
 Cross Section -99.72 To 560.5 %



MAT 6031

Kerma elastic  
Cross Section

60-Nd-144  
-99.98 To 1006. %



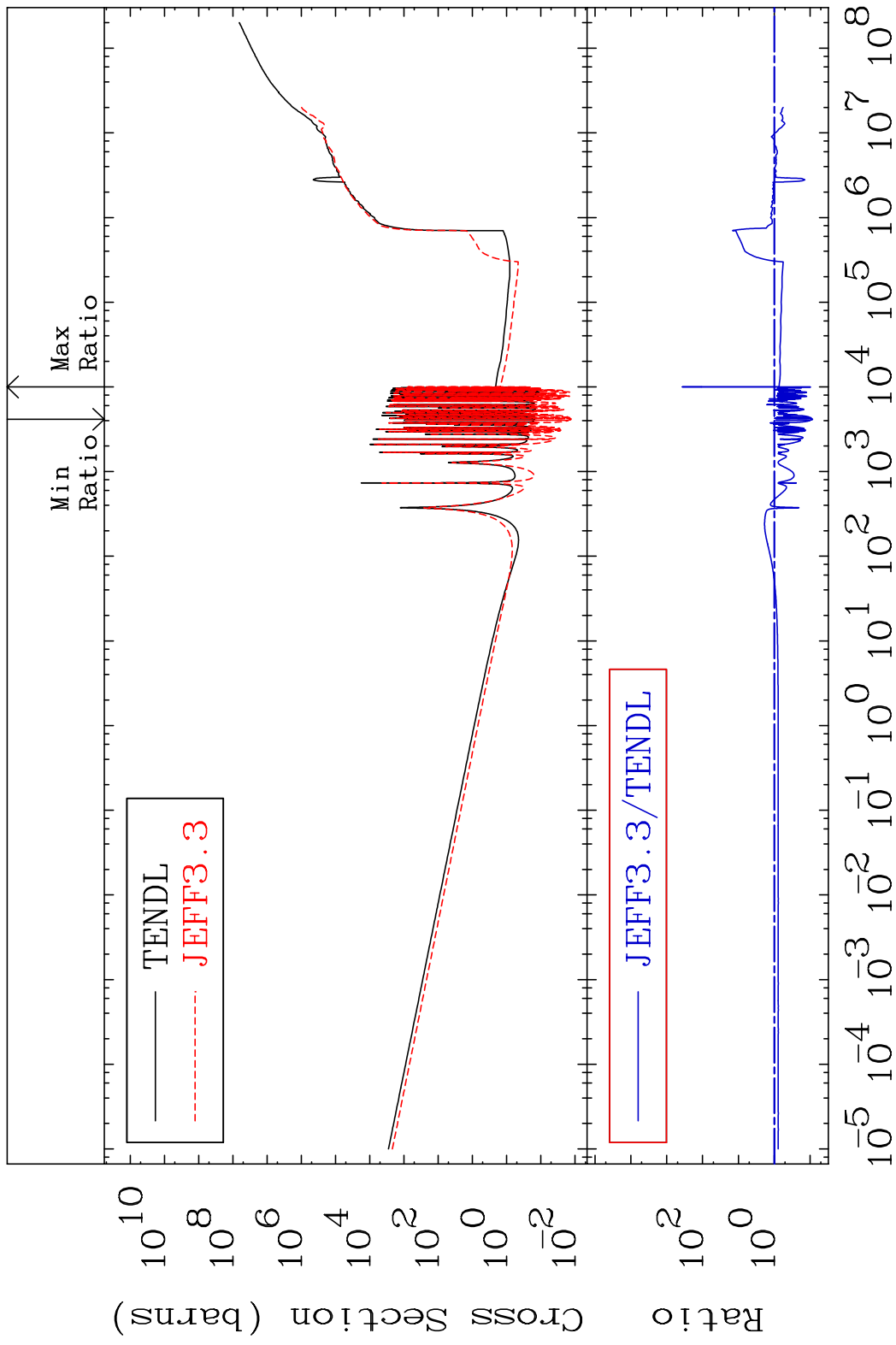
47

Incident Energy (eV)

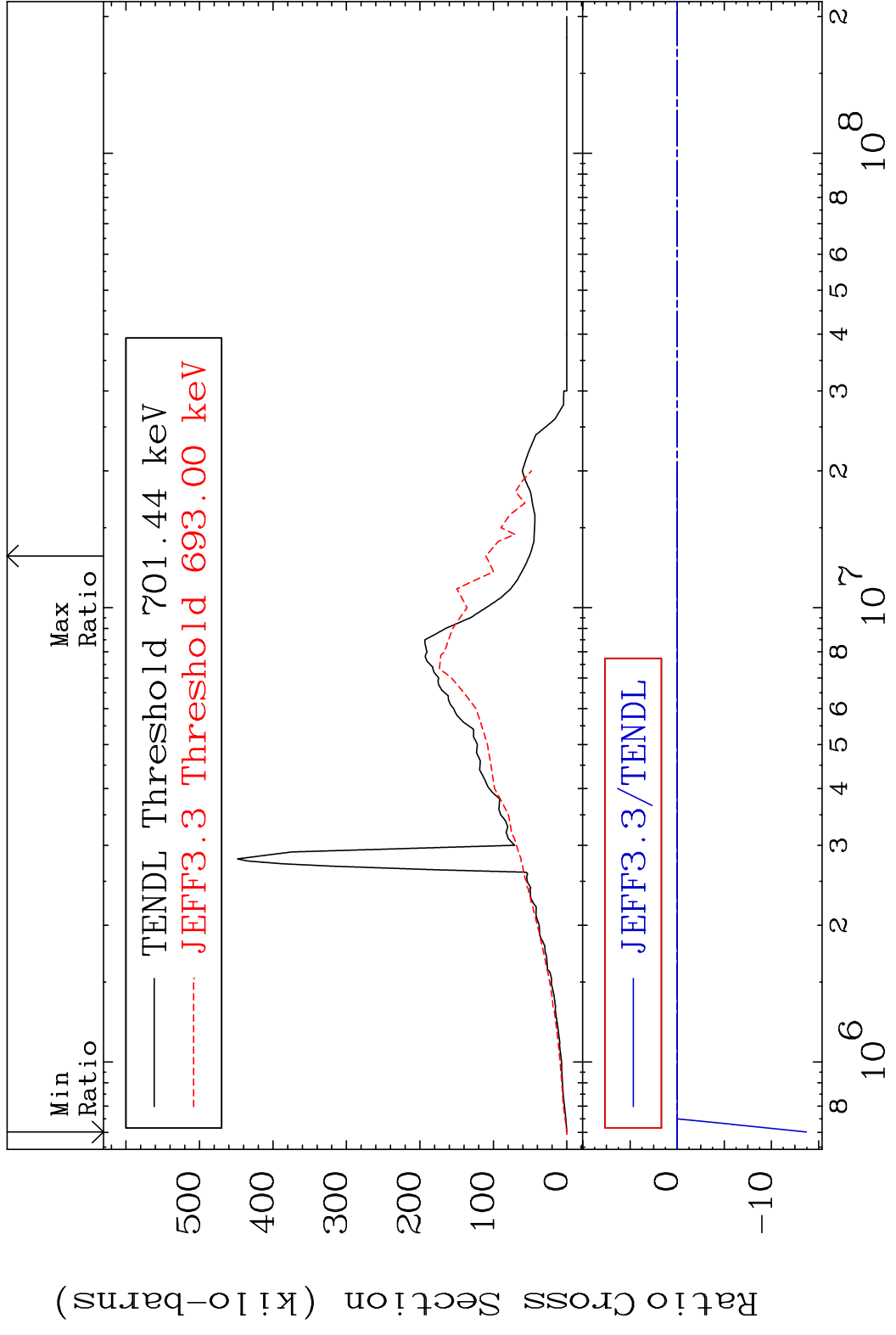
60-Nd-144



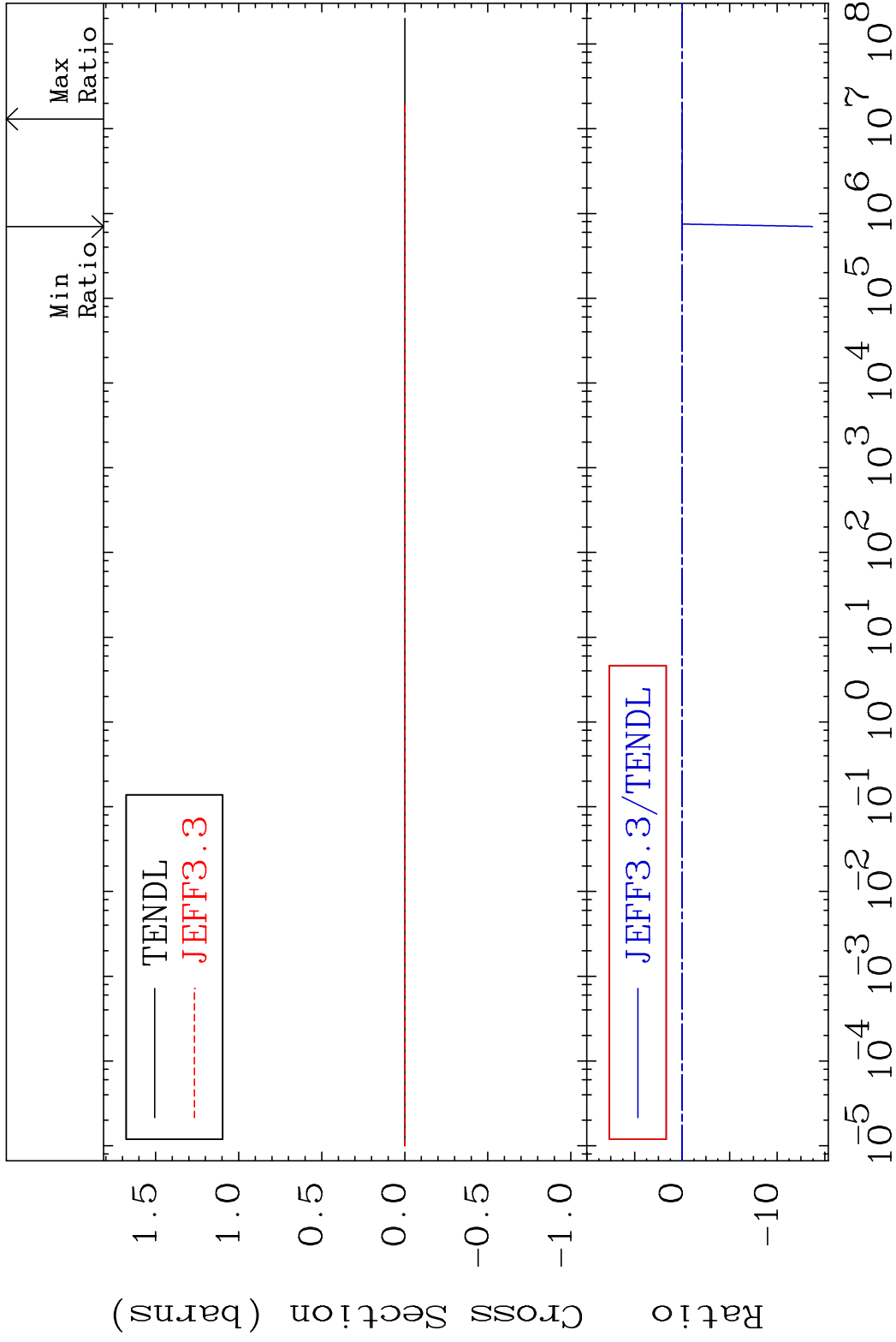
MAT 6031 Kerma non-elastic (all but mt2) 60-Nd-144  
 Cross Section -91.47 To 9999. %



MAT 6031 Kerma inelastic (mt51-91) 60-Nd-144  
 Cross Section -9999. To 116.6 %



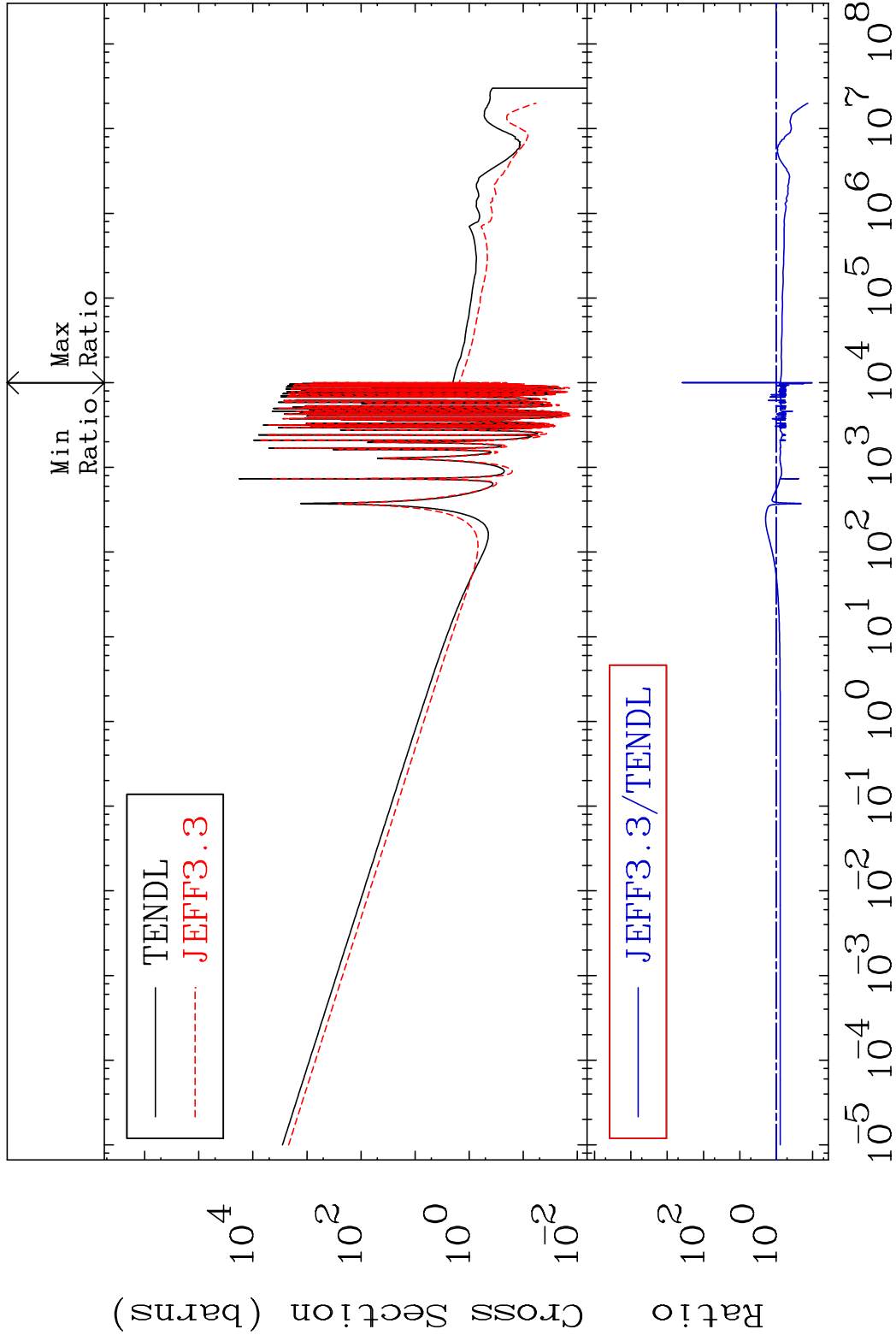
MAT 6031 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-144  
 Cross Section -9999. To 116.6 %



MAT 6031

Kerma capture (mt102) 60-Nd-144

Cross Section -90.01 To 9999. %

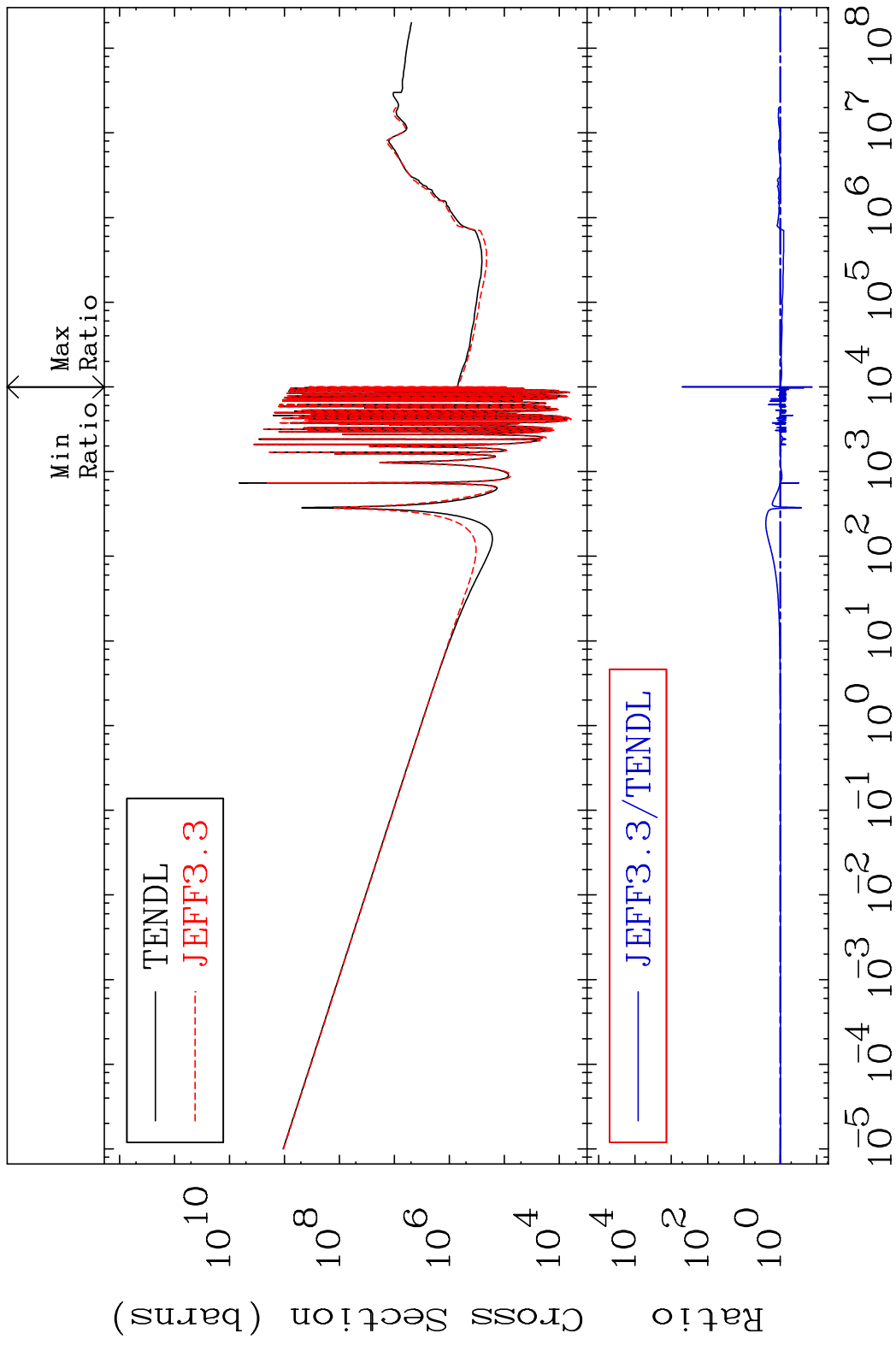


51

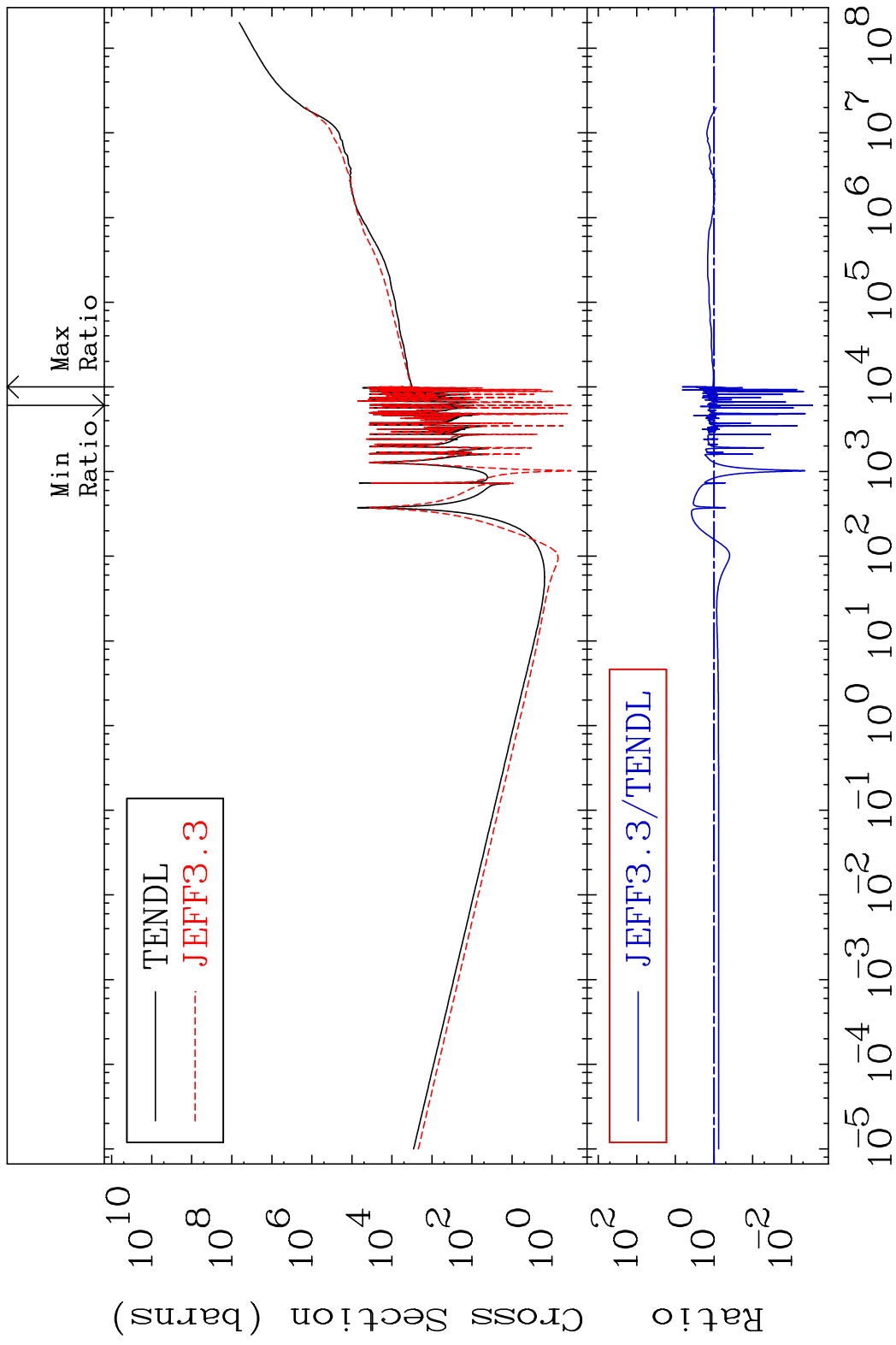
Incident Energy (eV)

60-Nd-144

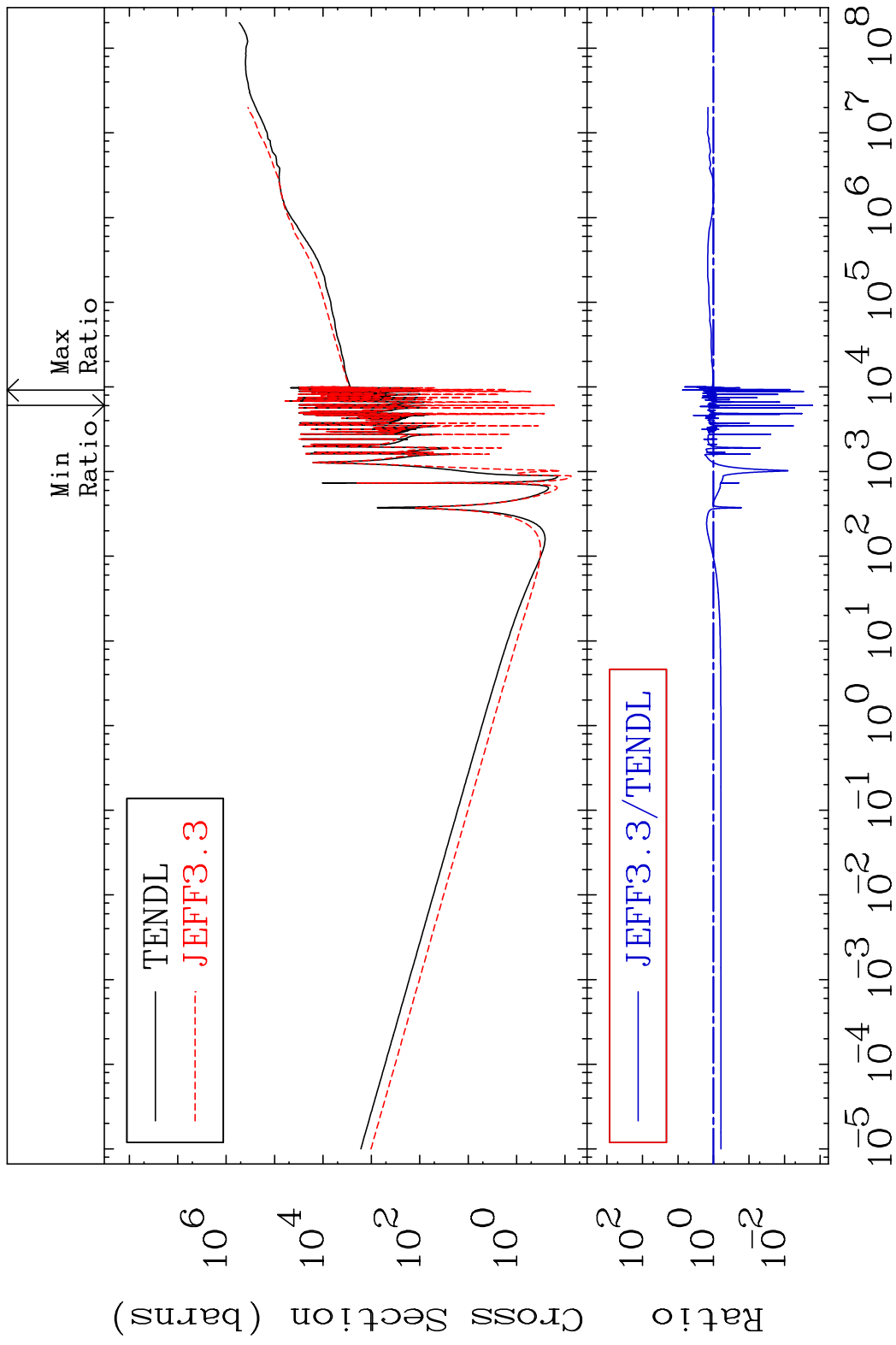
MAT 6031 Total photon (eV-barns) 60-Nd-144  
 Cross Section -87.05 To 9999. %



MAT 6031 Total kinematic kerma (high limit) 60-Nd-144  
 Cross Section -99.72 To 560.5 %



MAT 6031      Dpa total (eV-barns)      60-Nd-144  
 Cross Section      -99.84 To 651.6 %

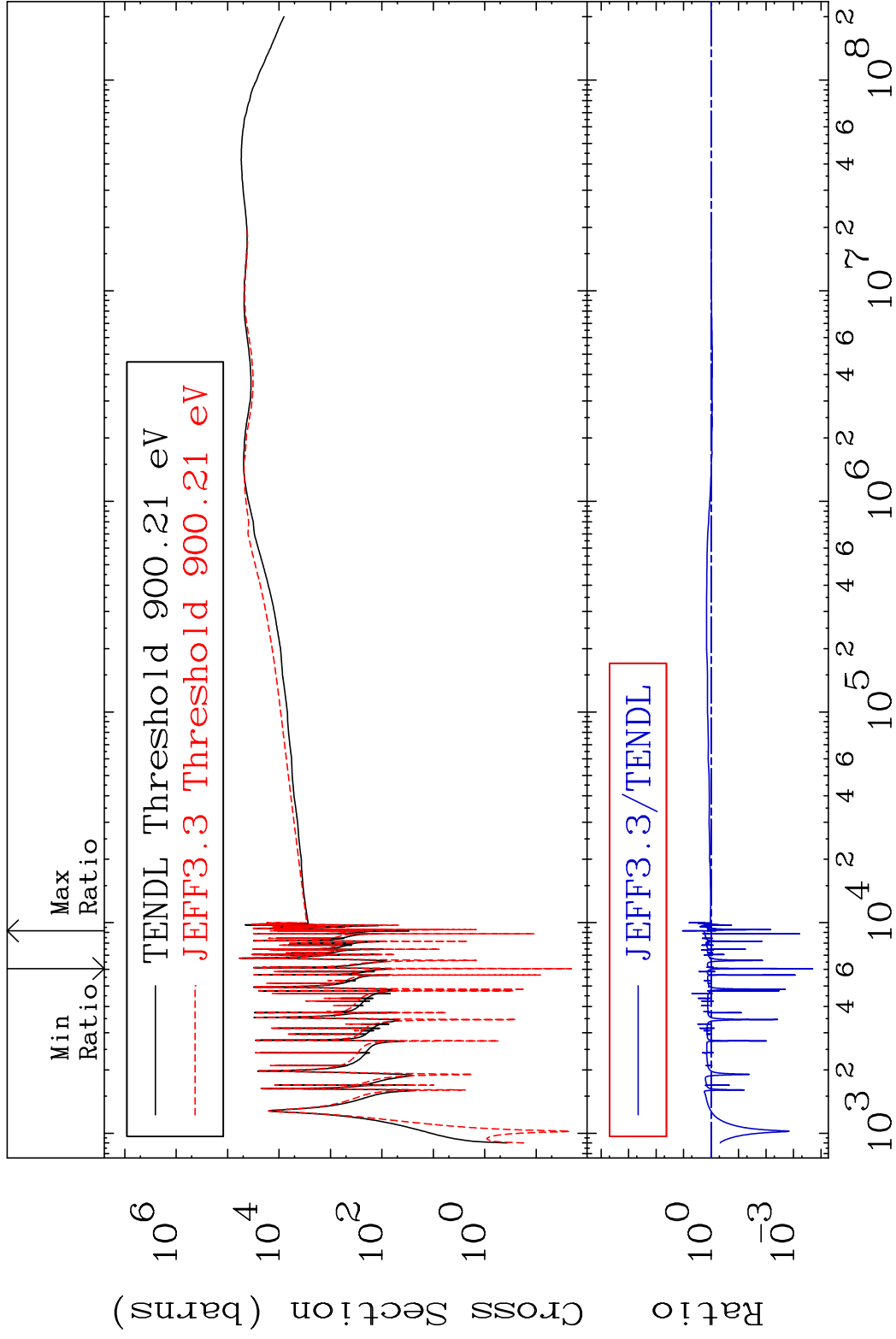


MAT 6031

Dpa elastic (mt2)

60-Nd-144

Cross Section -99.98 To 1007. %



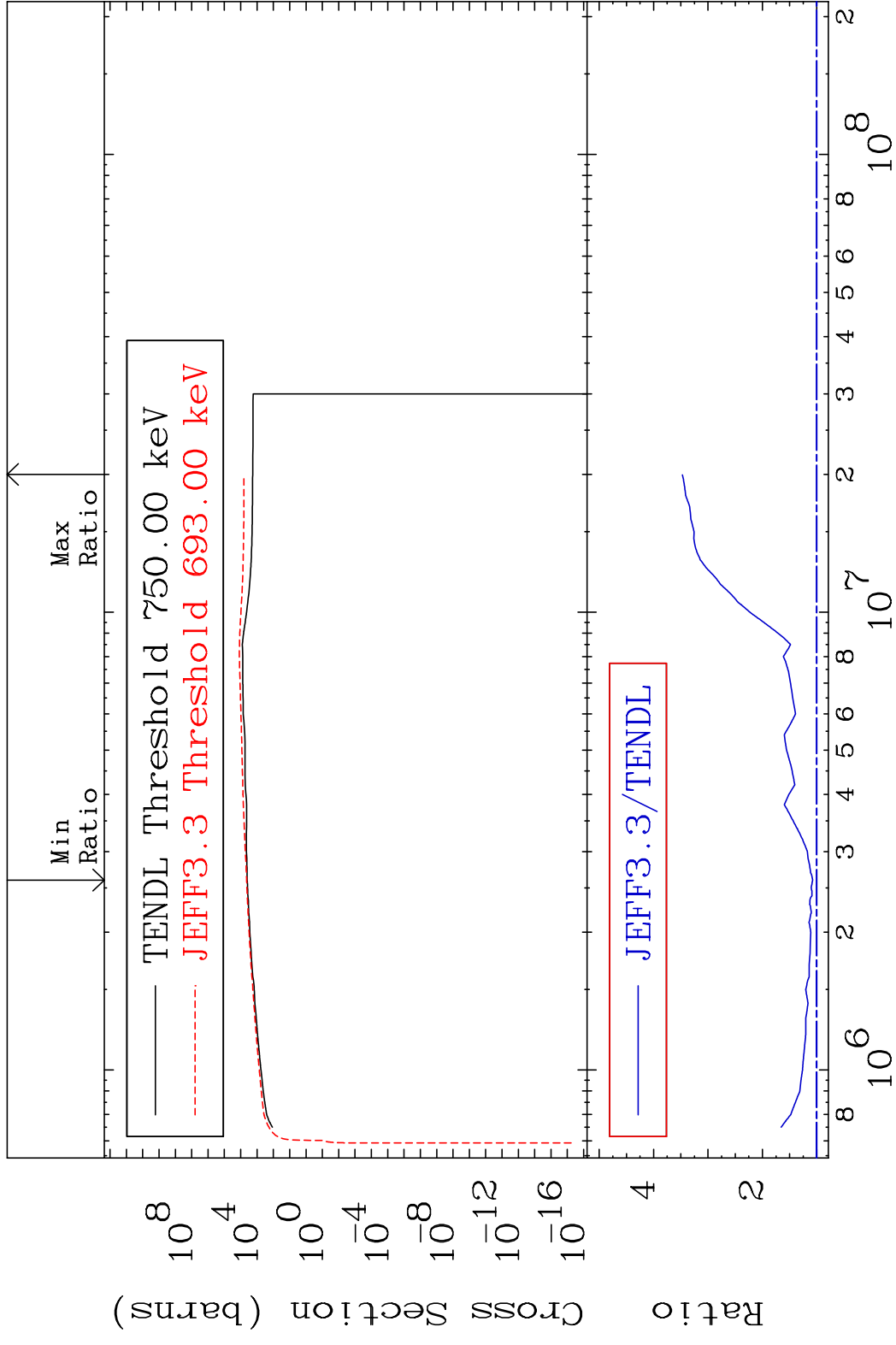
55

Incident Energy (eV)

60-Nd-144



MAT 6031 Dpa inelastic (mt51-91) 60-Nd-144  
 Cross Section 7.818 To 247.2 %



MAT 6031 Dpa disappearance (mt102 -120) 60-Nd-144  
 Cross Section -91.89 To 9999. %

