

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

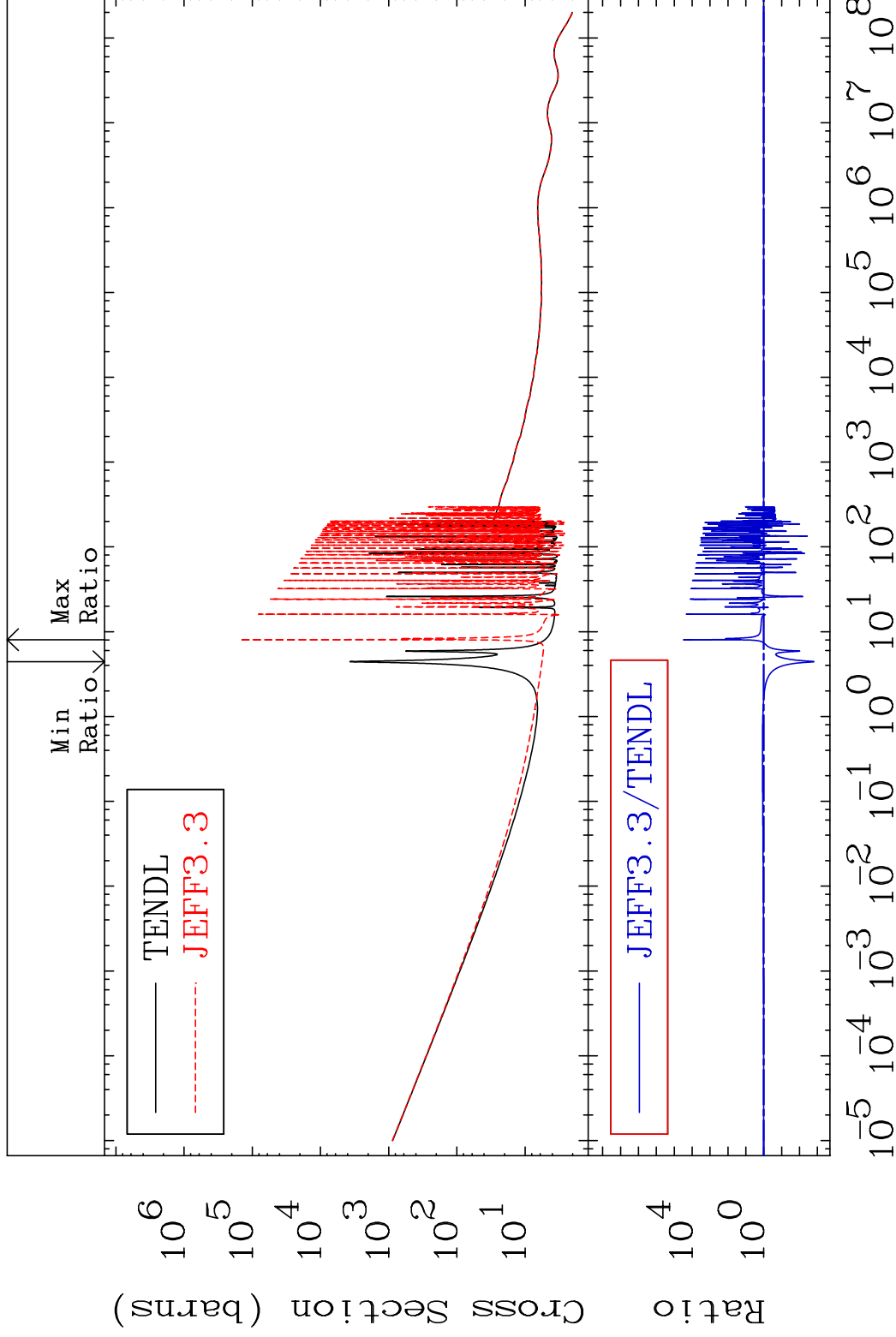
MAT 5134

Total

51-Sb-124

Cross Section

-99.85 To 9999. %



1

Incident Energy (eV)

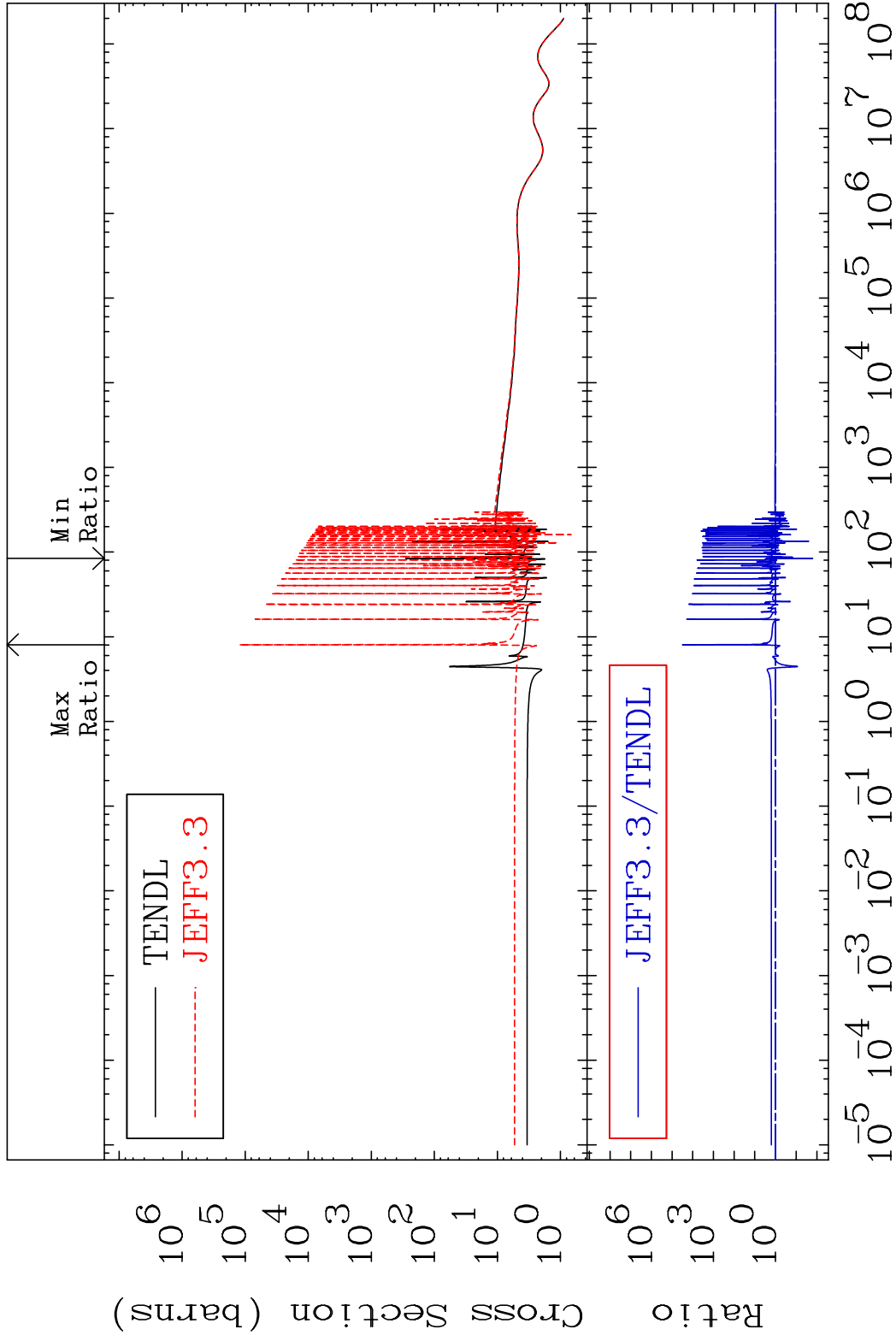
51-Sb-124

MAT 5134

Elastic

51-Sb-124

Cross Section -98.39 To 9999. %



2

Incident Energy (eV)

51-Sb-124

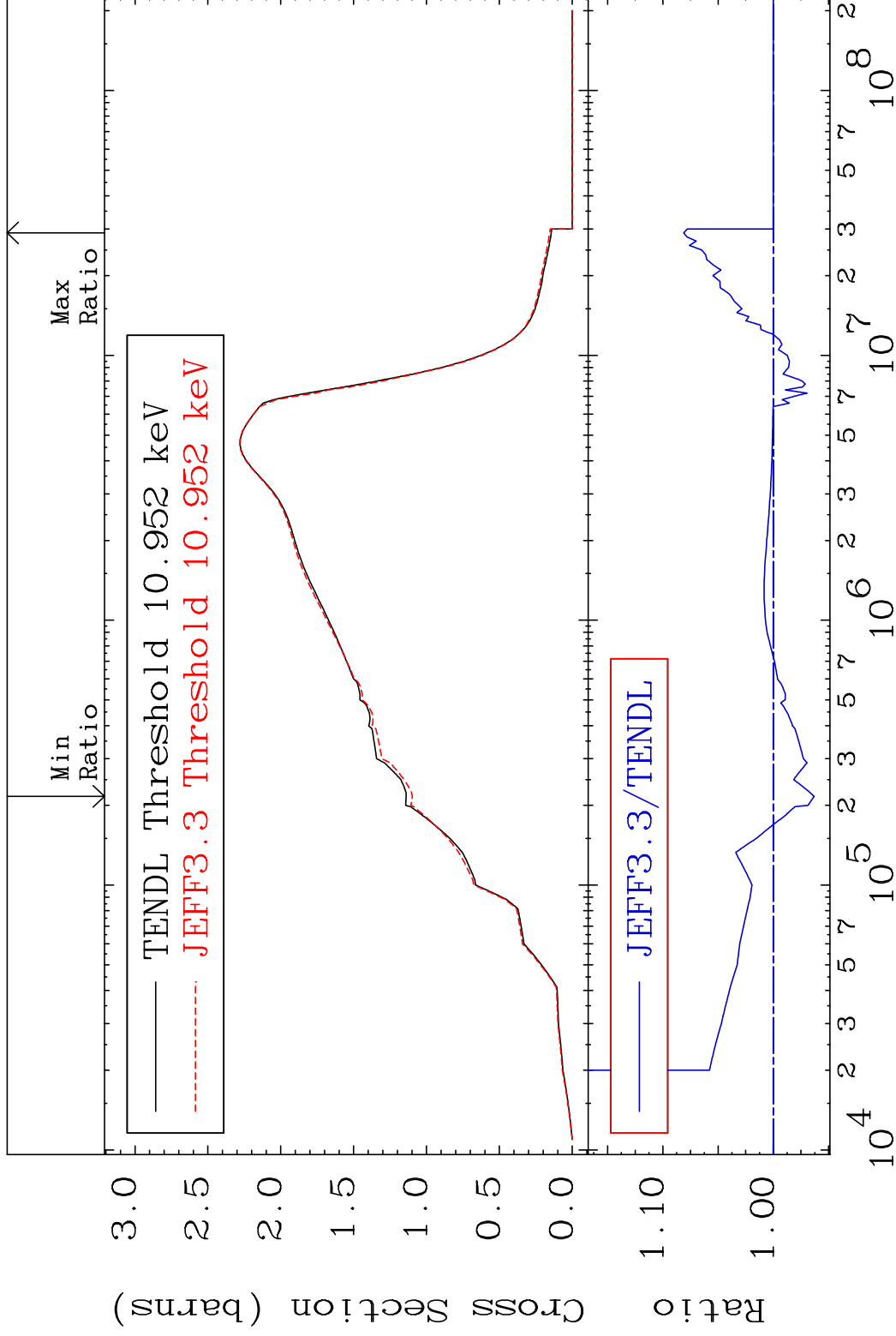
MAT 5134

Inelastic

51-Sb-124

Cross Section

-3.688 To 8.117 %



3

Incident Energy (eV)

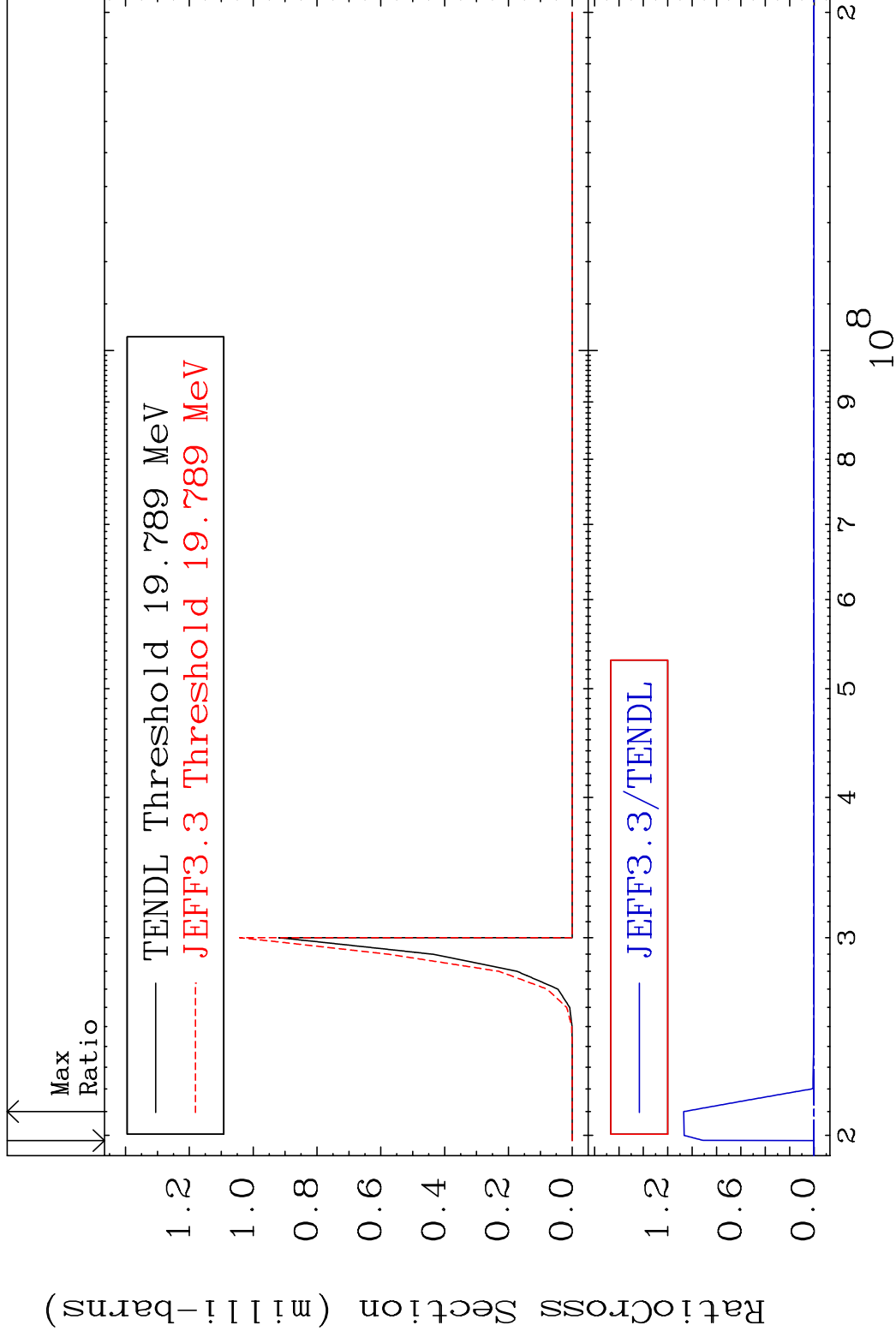
51-Sb-124

MAT 5134

(n,2n) d

51-Sb-124

Cross Section -100.0 To 9999. %



4

Incident Energy (eV)

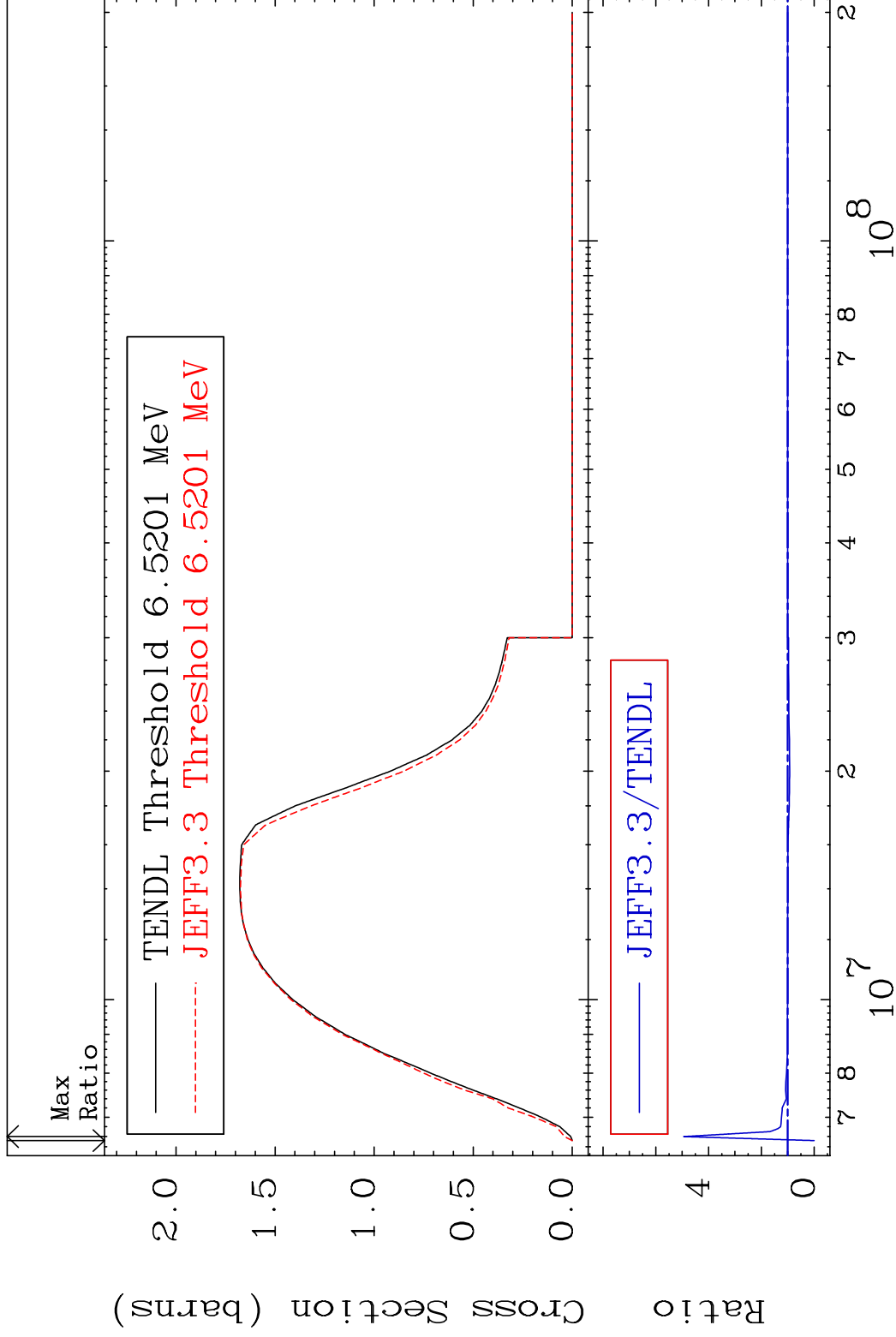
51-Sb-124

MAT 5134

(n,2n)

51-Sb-124

Cross Section -100.0 To 394.4 %



5

Incident Energy (eV)

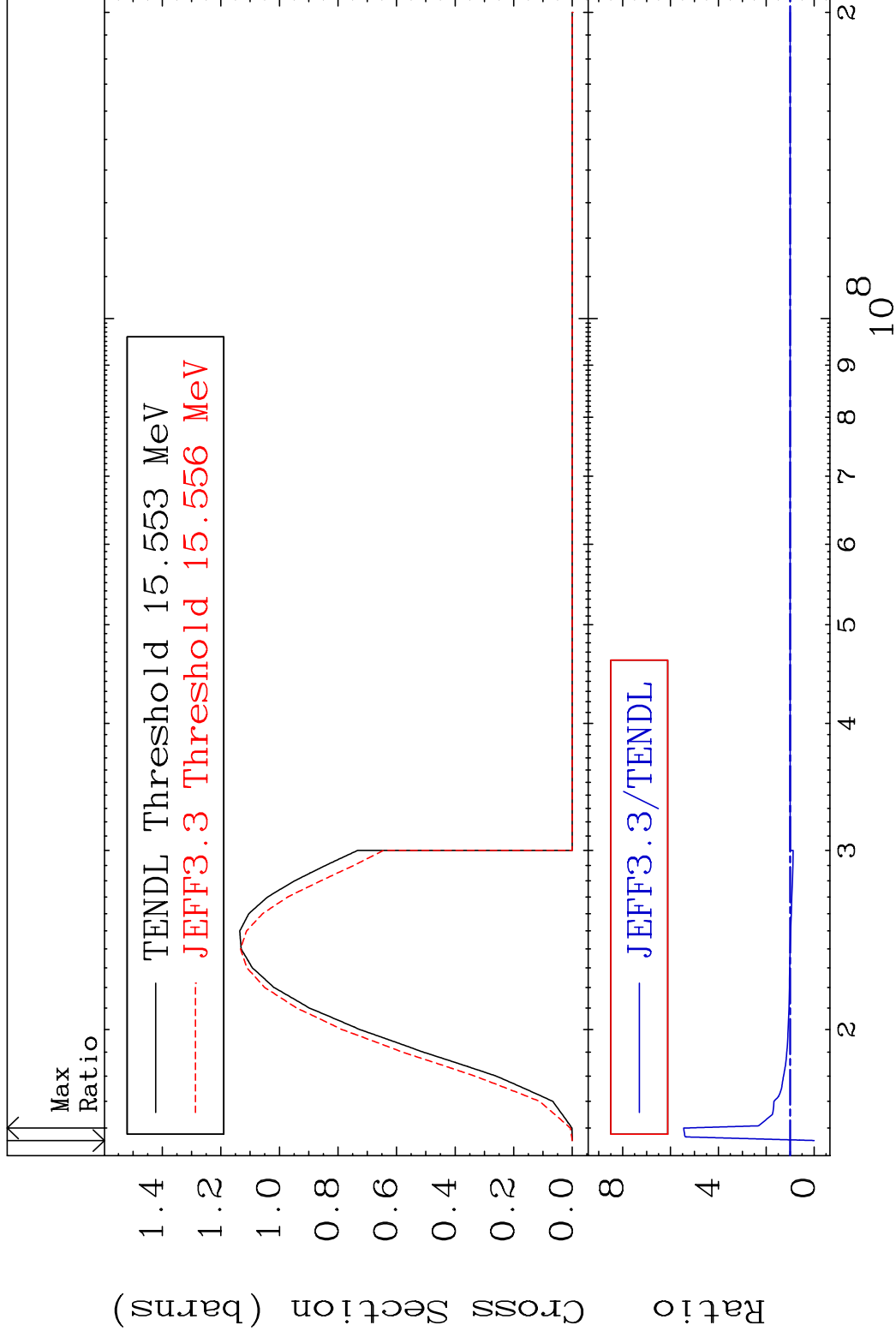
51-Sb-124

MAT 5134

(n,3n)

51-Sb-124

Cross Section -100.0 To 445.2 %



6

Incident Energy (eV)

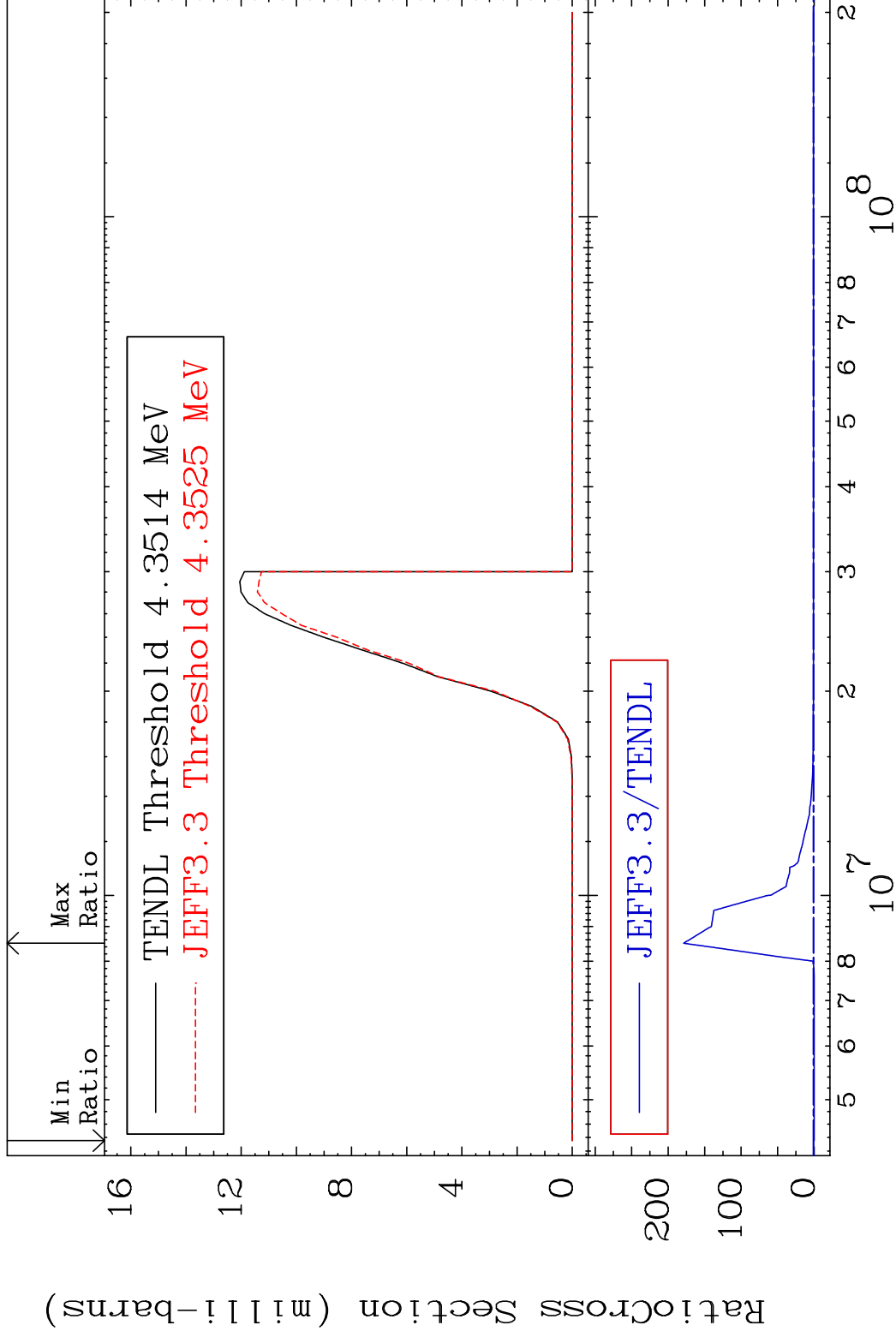
51-Sb-124

MAT 5134

(n, n')  $\alpha$

51-Sb-124

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

51-Sb-124

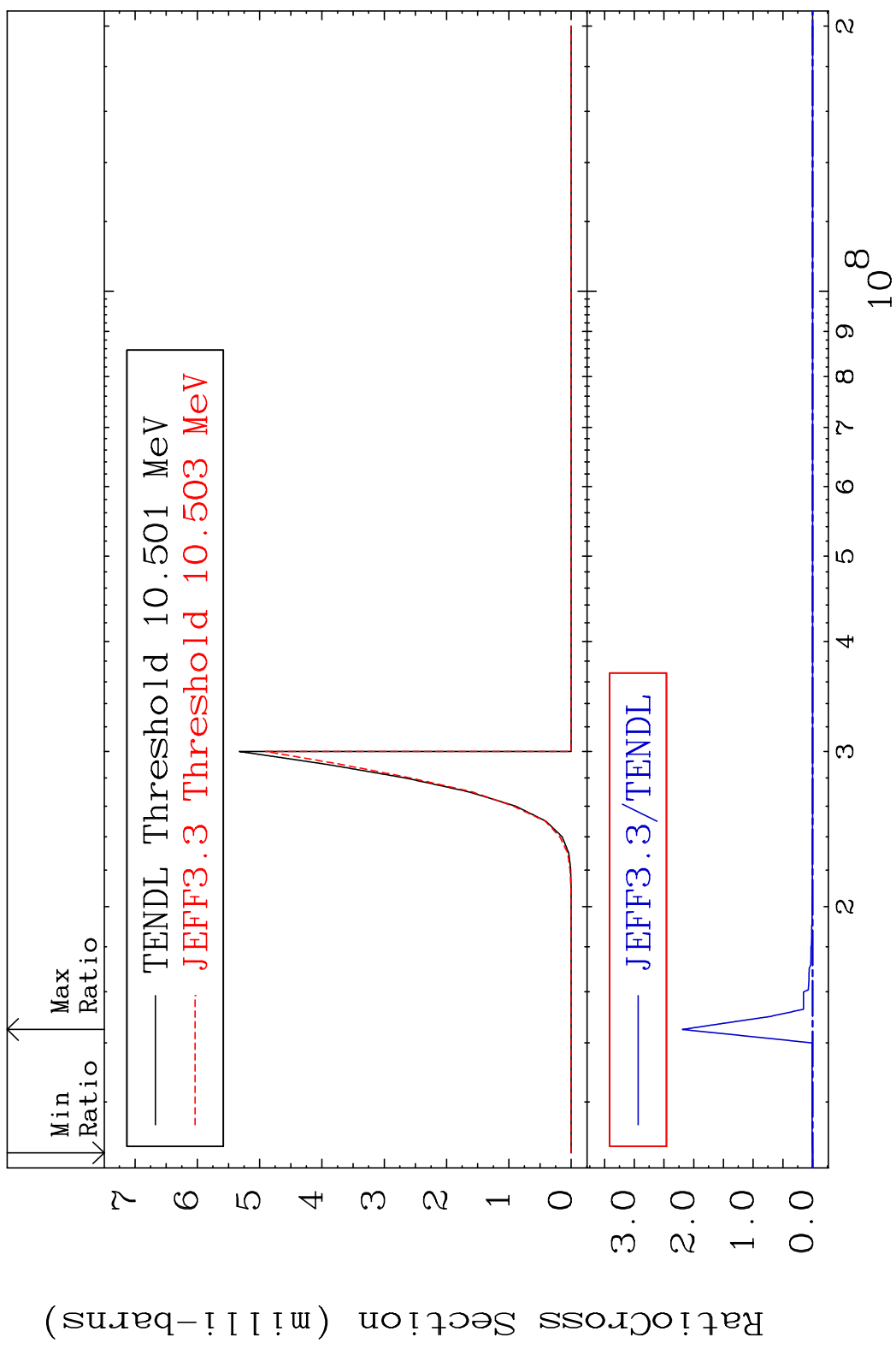


MAT 5134

(n,2n)  $\alpha$

51-Sb-124

Cross Section -100.0 To 9999. %

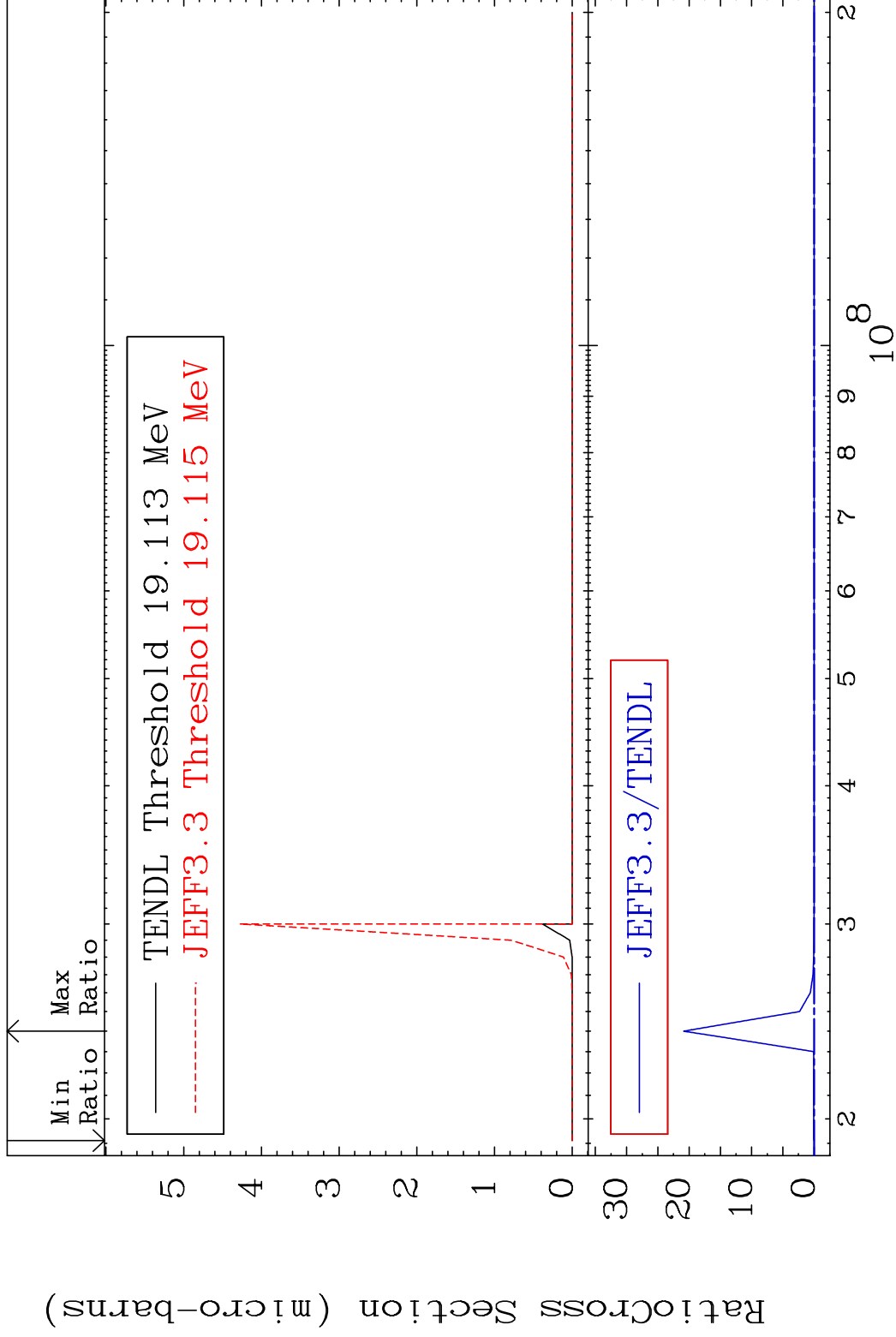


MAT 5134

(n,3n)  $\alpha$

51-Sb-124

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

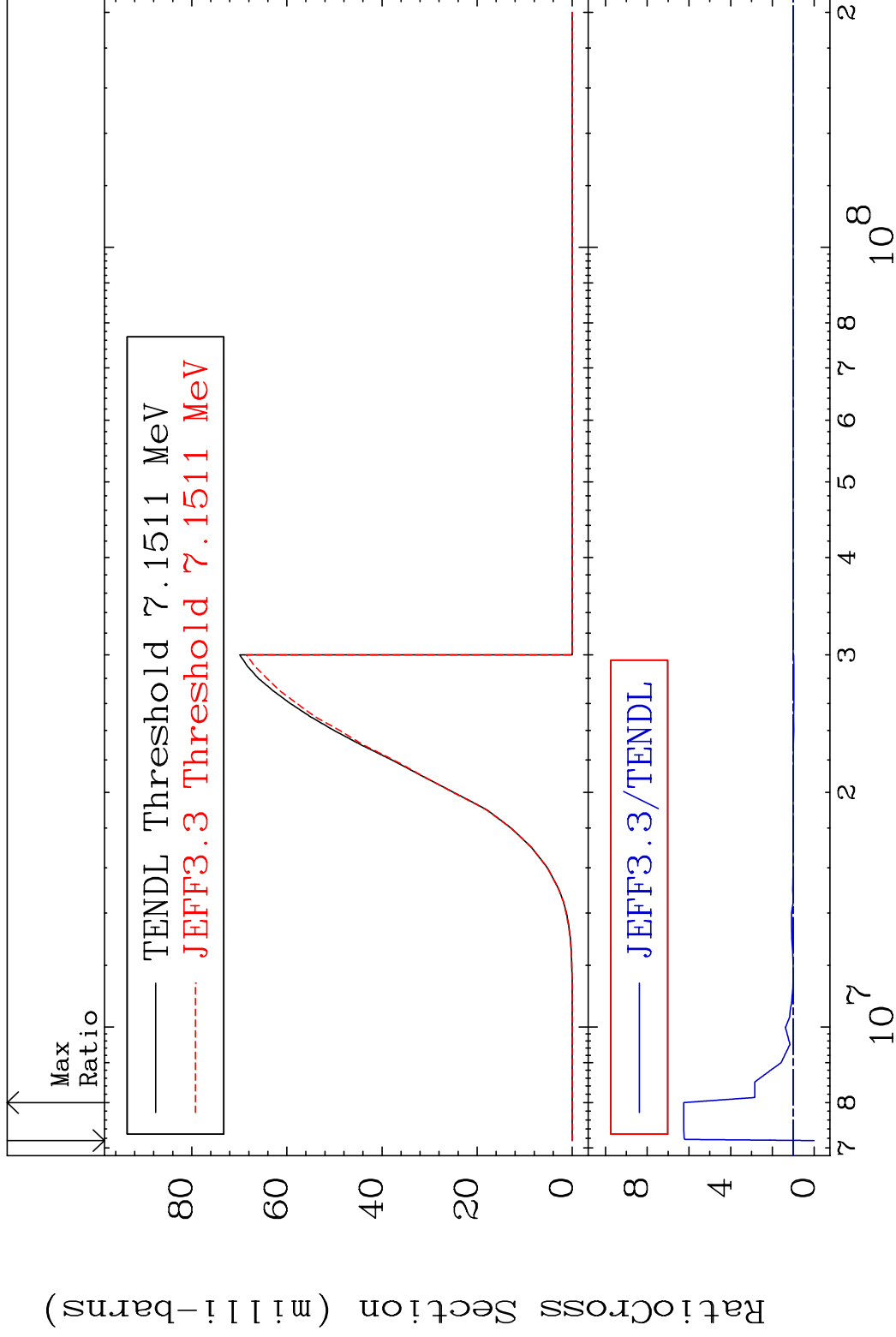
51-Sb-124

MAT 5134

(n, n') p

51-Sb-124

Cross Section -100.0 To 525.4 %



10

Incident Energy (eV)

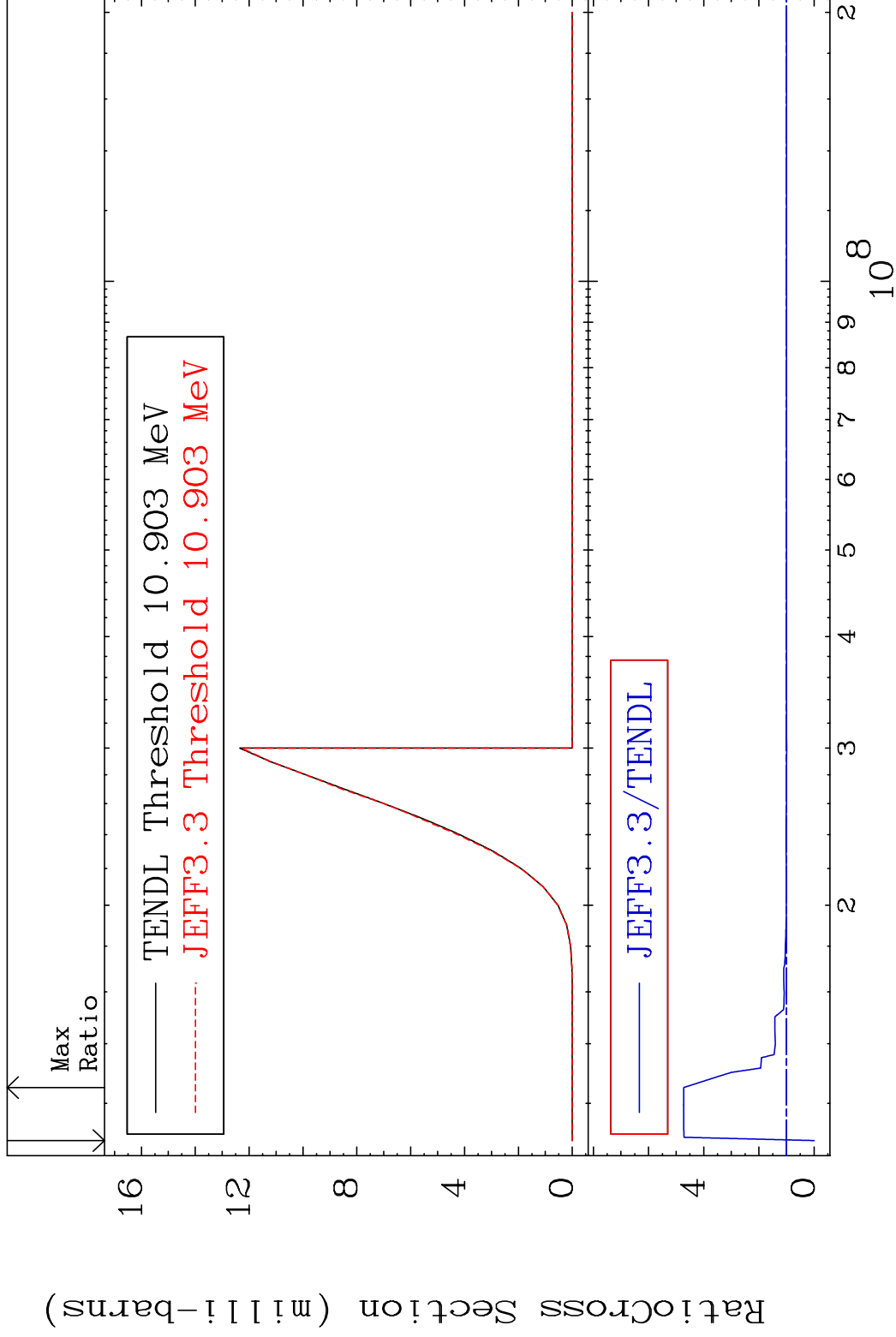
51-Sb-124

MAT 5134

(n, n') d

51-Sb-124

Cross Section -100.0 To 372.7 %



11

Incident Energy (eV)

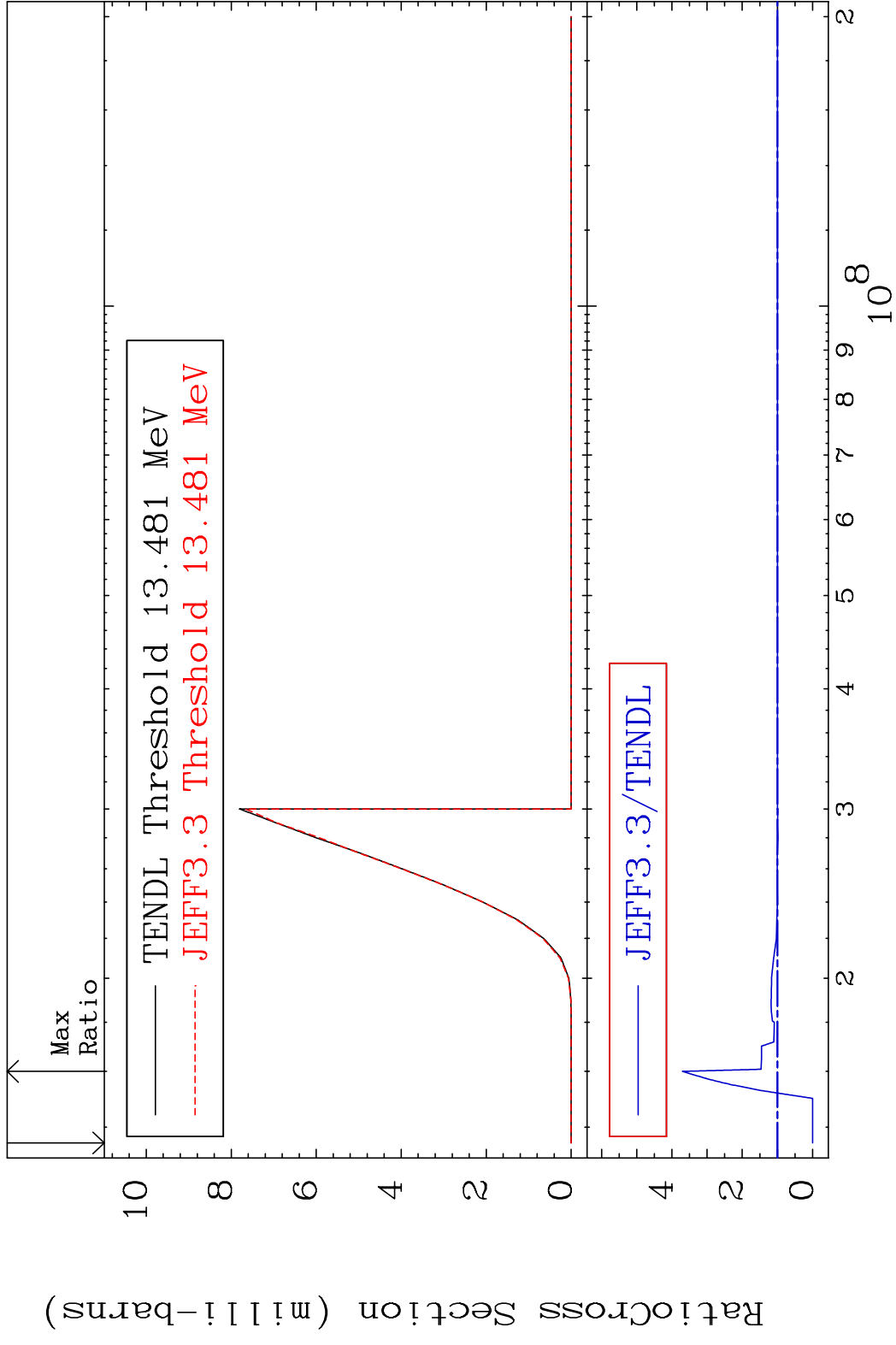
51-Sb-124

MAT 5134

(n, n') t

51-Sb-124

Cross Section -100.0 To 270.3 %



12

Incident Energy (eV)

51-Sb-124

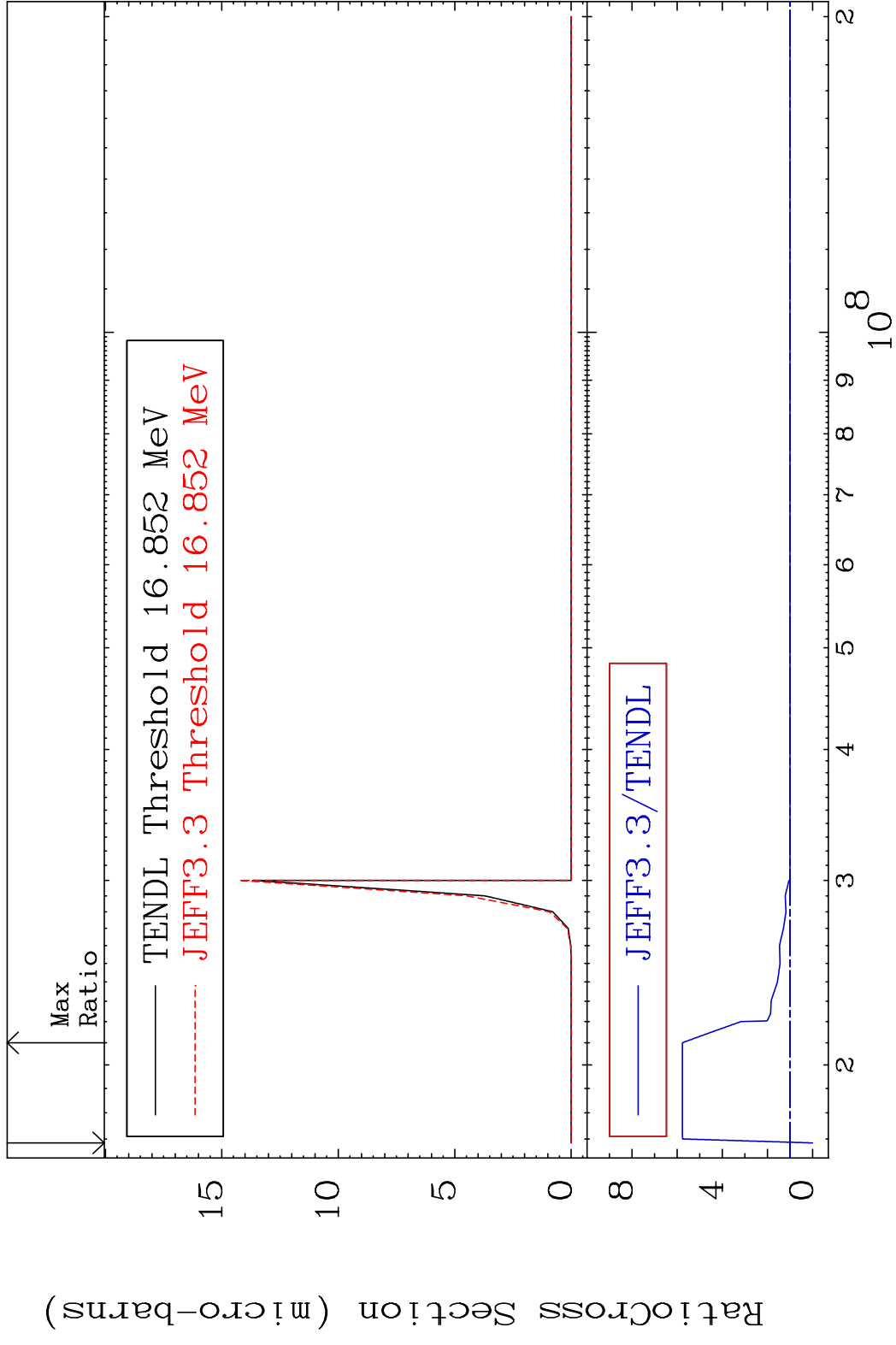
MAT 5134

(n,n') He-3

51-Sb-124

Cross Section

-100.0 To 477.0 %

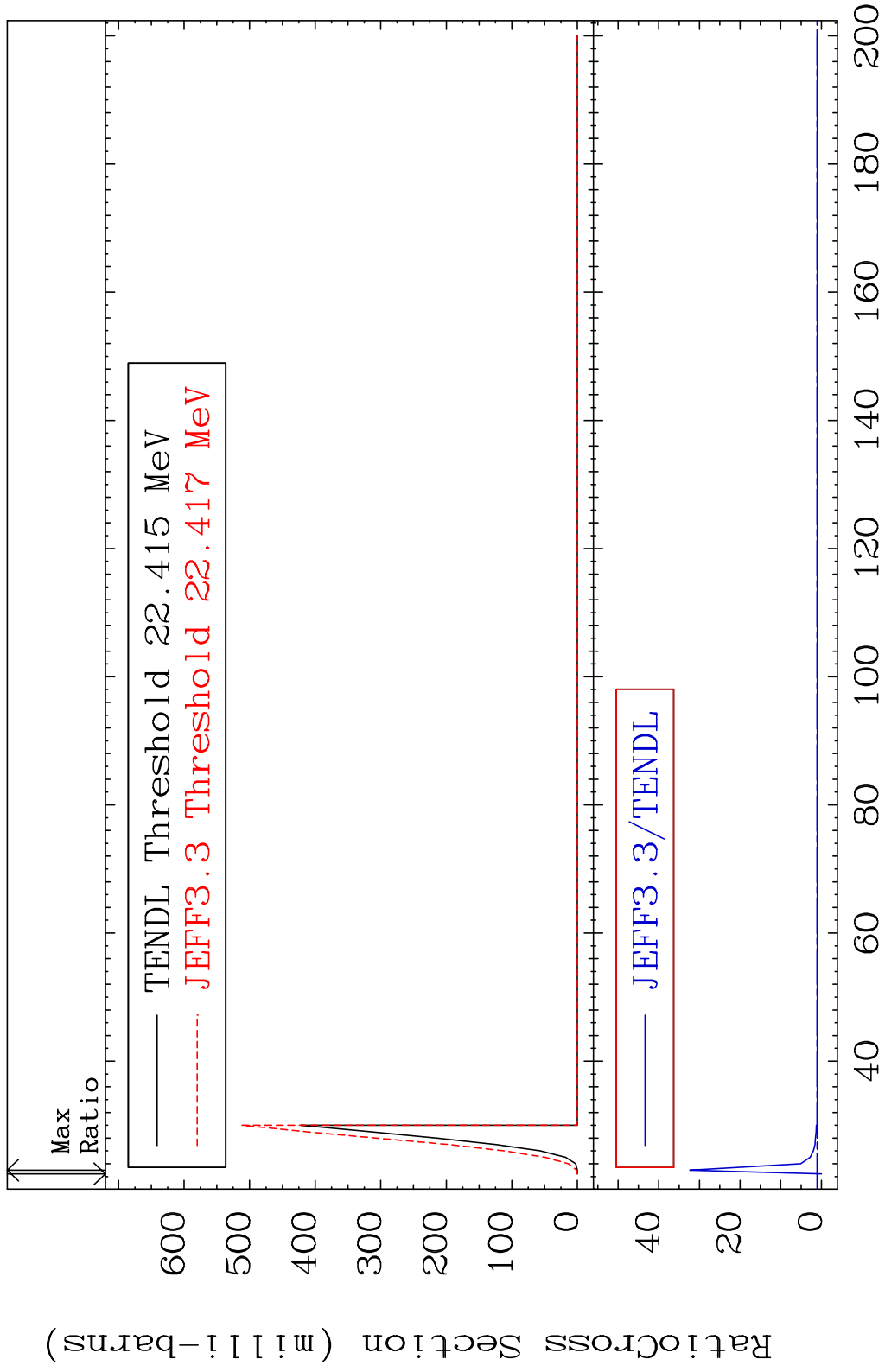


MAT 5134

(n,4n)

51-Sb-124

Cross Section -100.0 To 3138. %

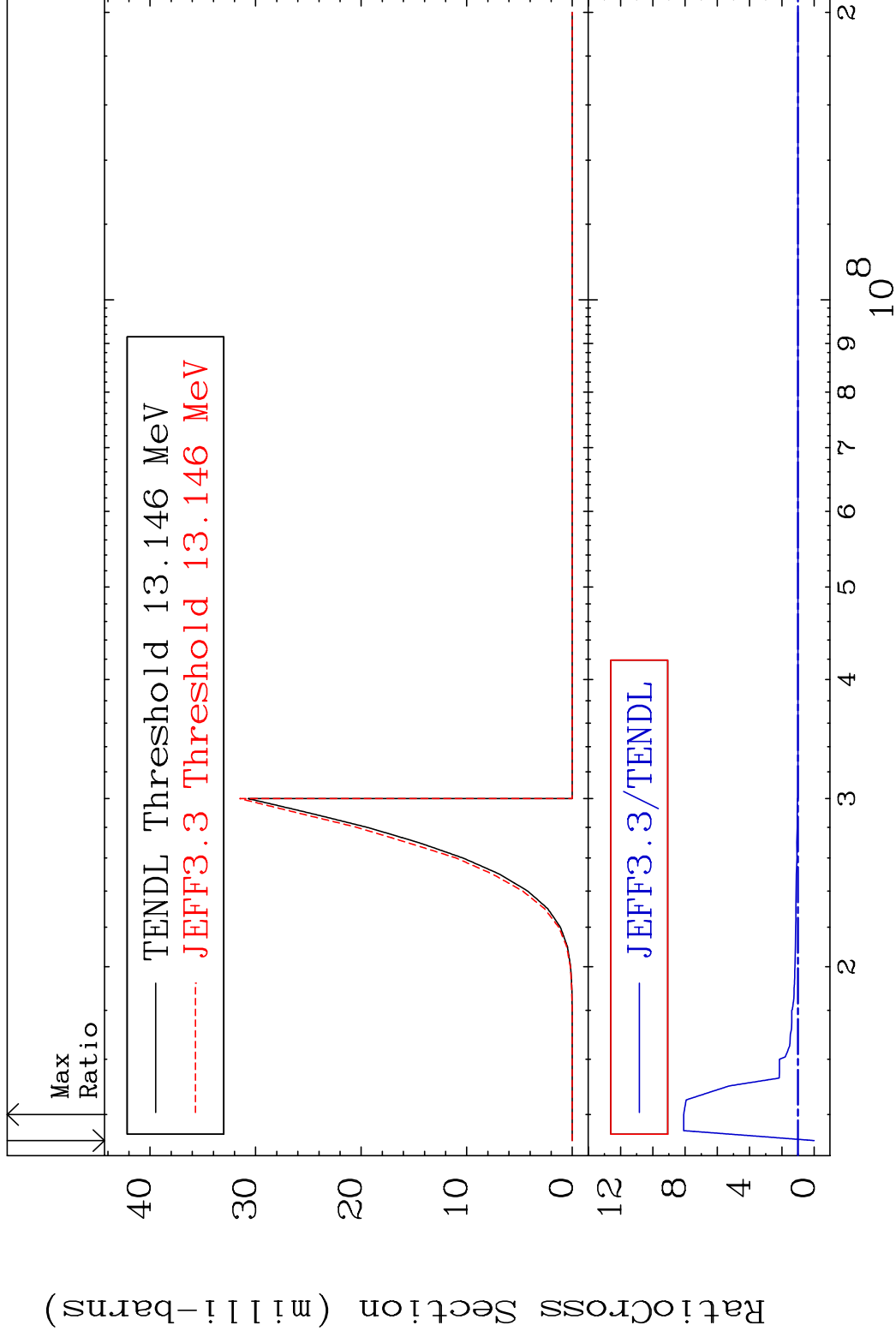


MAT 5134

(n,2n) p

51-Sb-124

Cross Section -100.0 To 708.8 %



15

Incident Energy (eV)

51-Sb-124

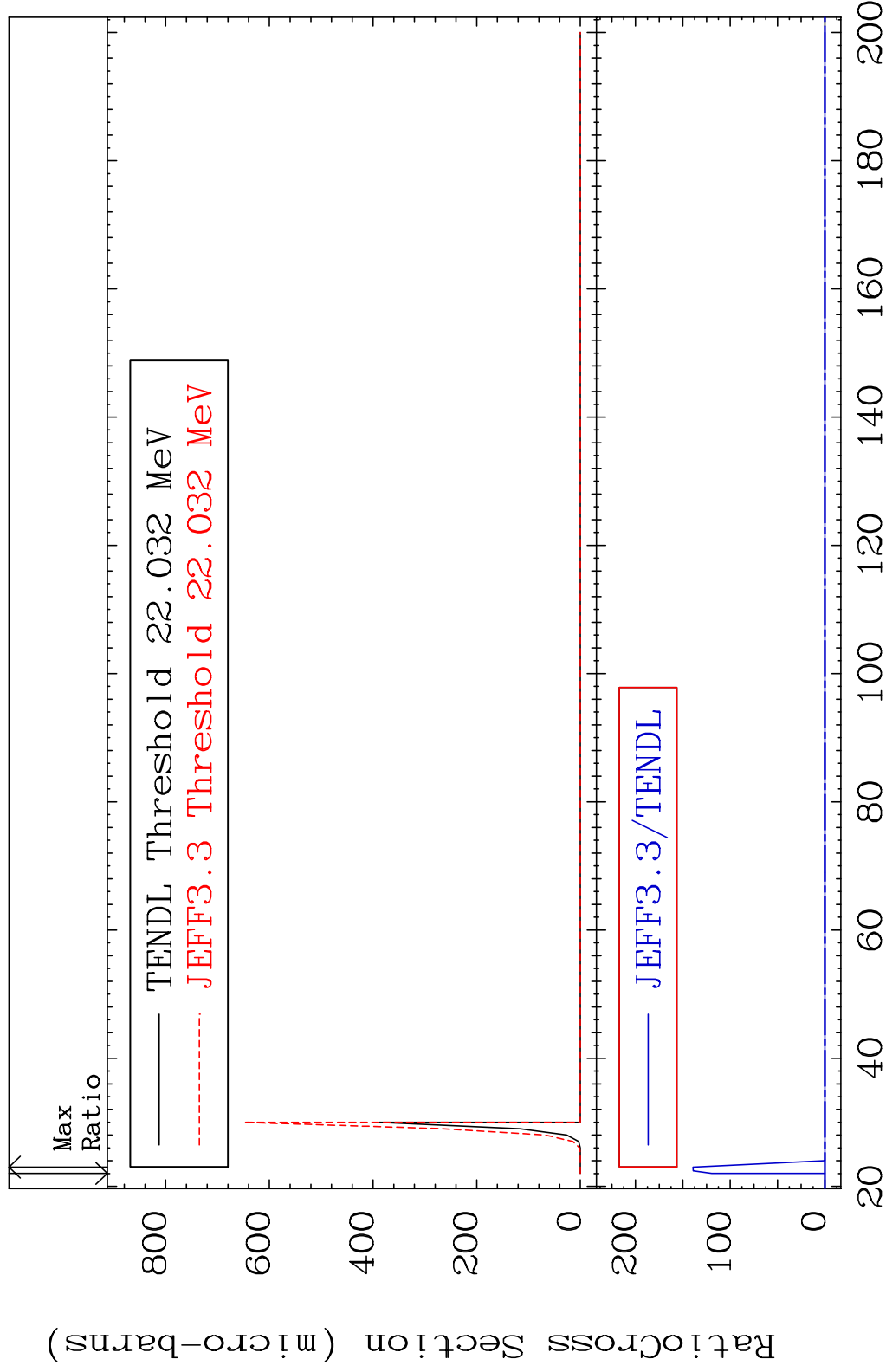


MAT 5134

(n,3n) p

51-Sb-124

Cross Section -100.0 To 9999. %



16

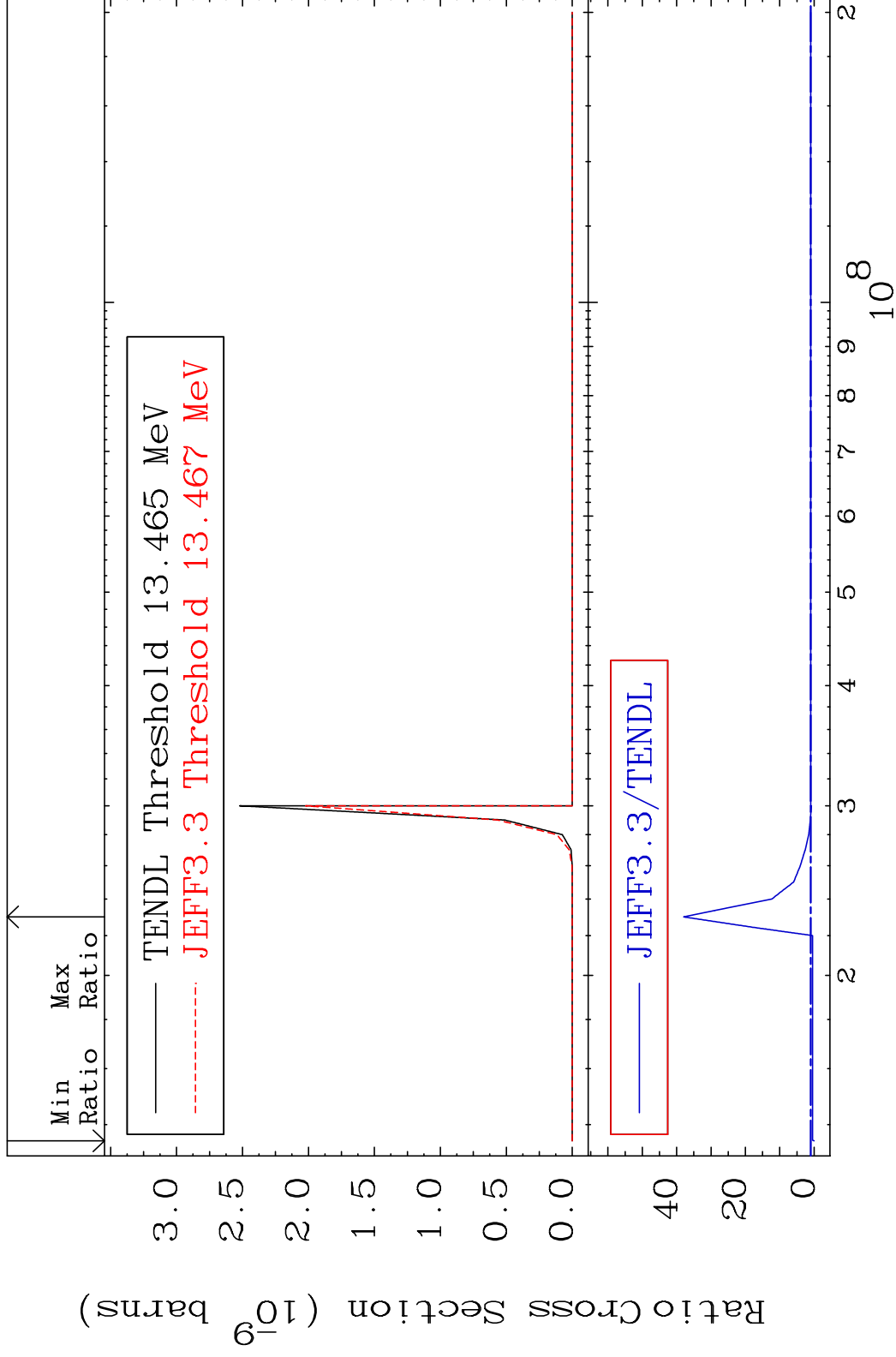
Incident Energy (MeV)

51-Sb-124



MAT 5134

(n,n') p  $\alpha$  51-Sb-124  
Cross Section -100.0 To 3696. %



18

Incident Energy (eV)

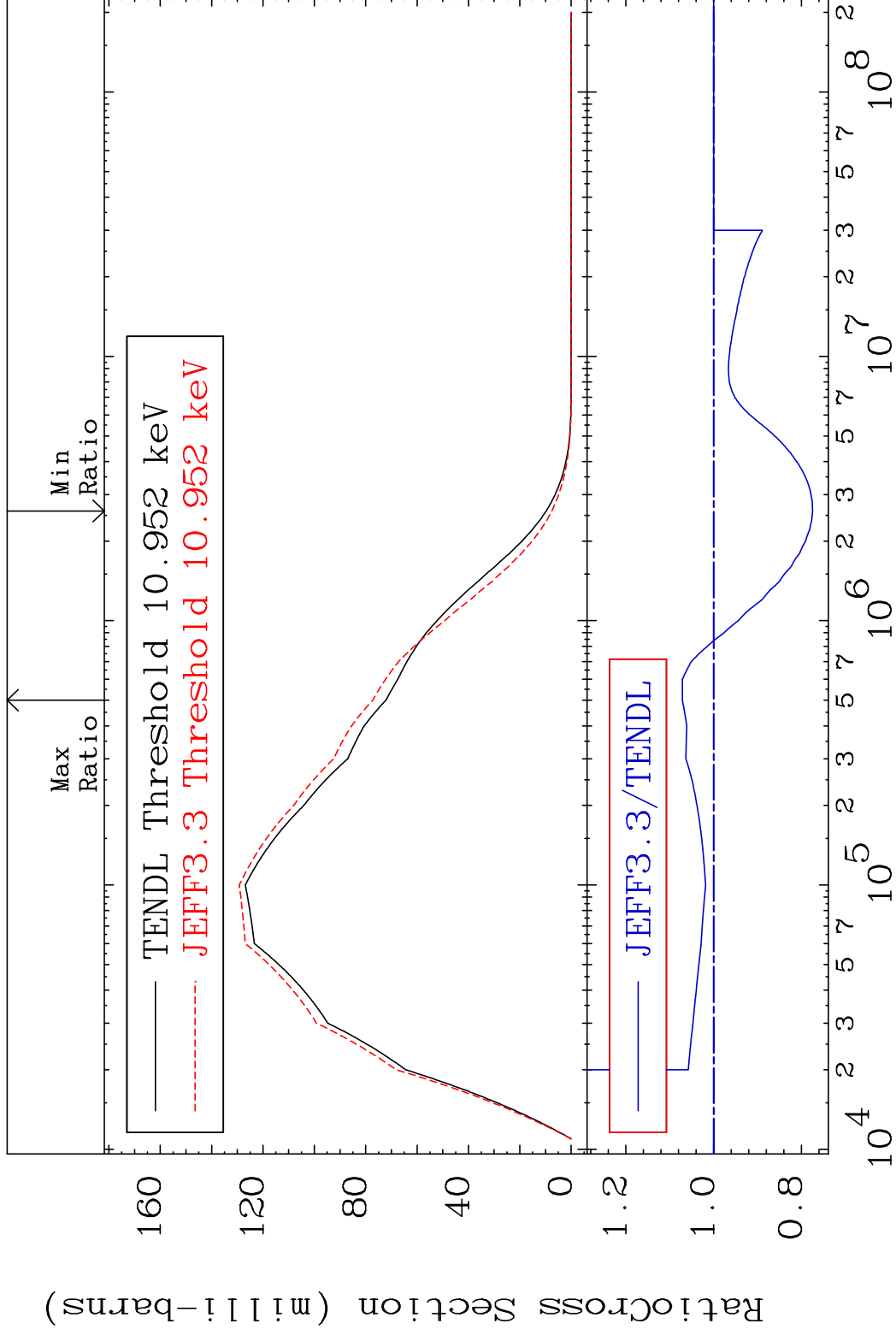
51-Sb-124

MAT 5134

MT= 51 (n, n') Level

51-Sb-124

Cross Section -22.54 To 7.123 %

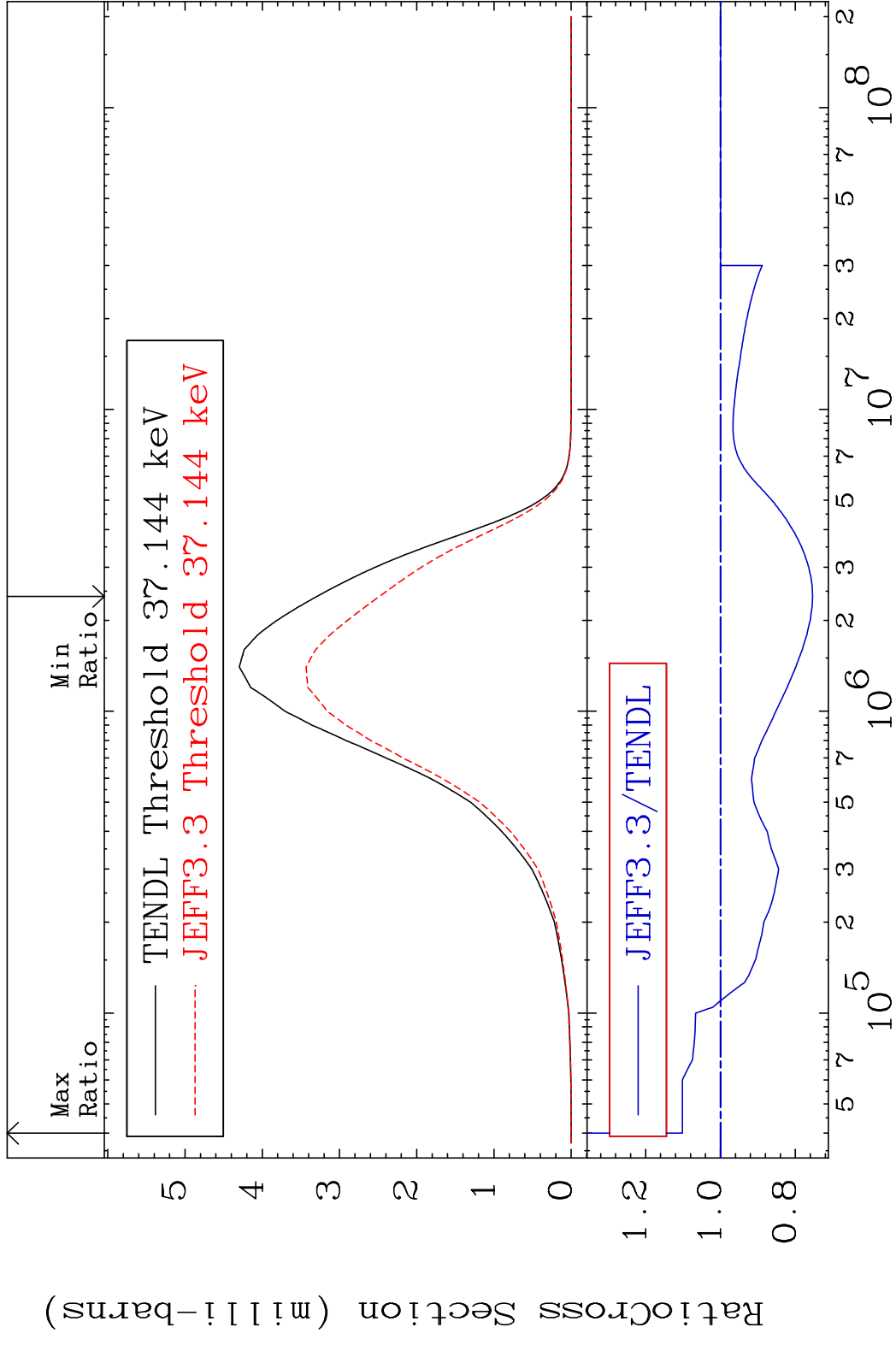


19

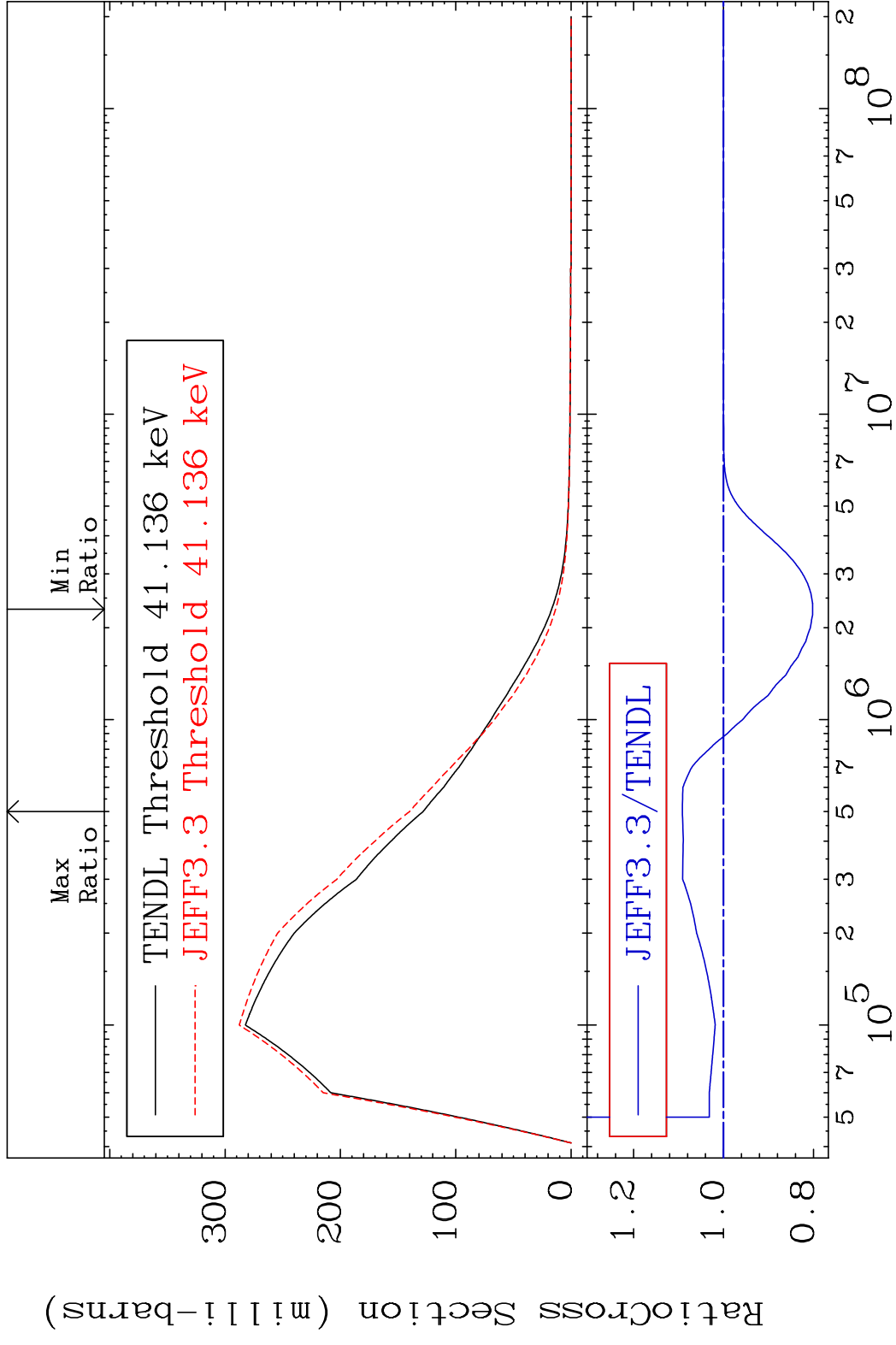
Incident Energy (eV)

51-Sb-124

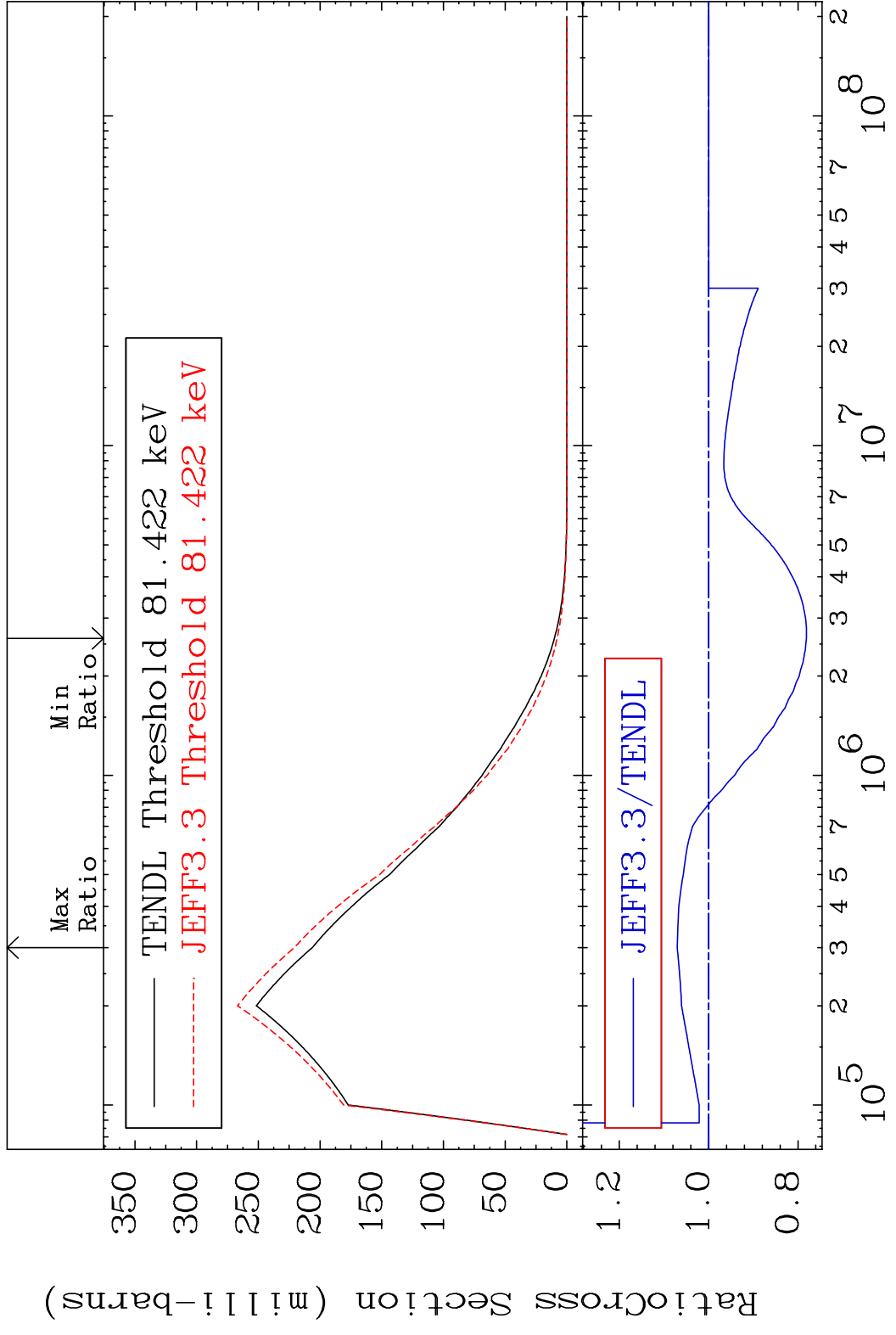
MAT 5134 MT= 52 (n, n') Level 51-Sb-124  
 Cross Section -24.59 To 10.18 %



MAT 5134 MT= 53 (n, n') Level 51-Sb-124  
 Cross Section -19.80 To 9.153 %



MAT 5134 MT= 54 (n,n') Level 51-Sb-124  
 Cross Section -21.89 To 7.038 %

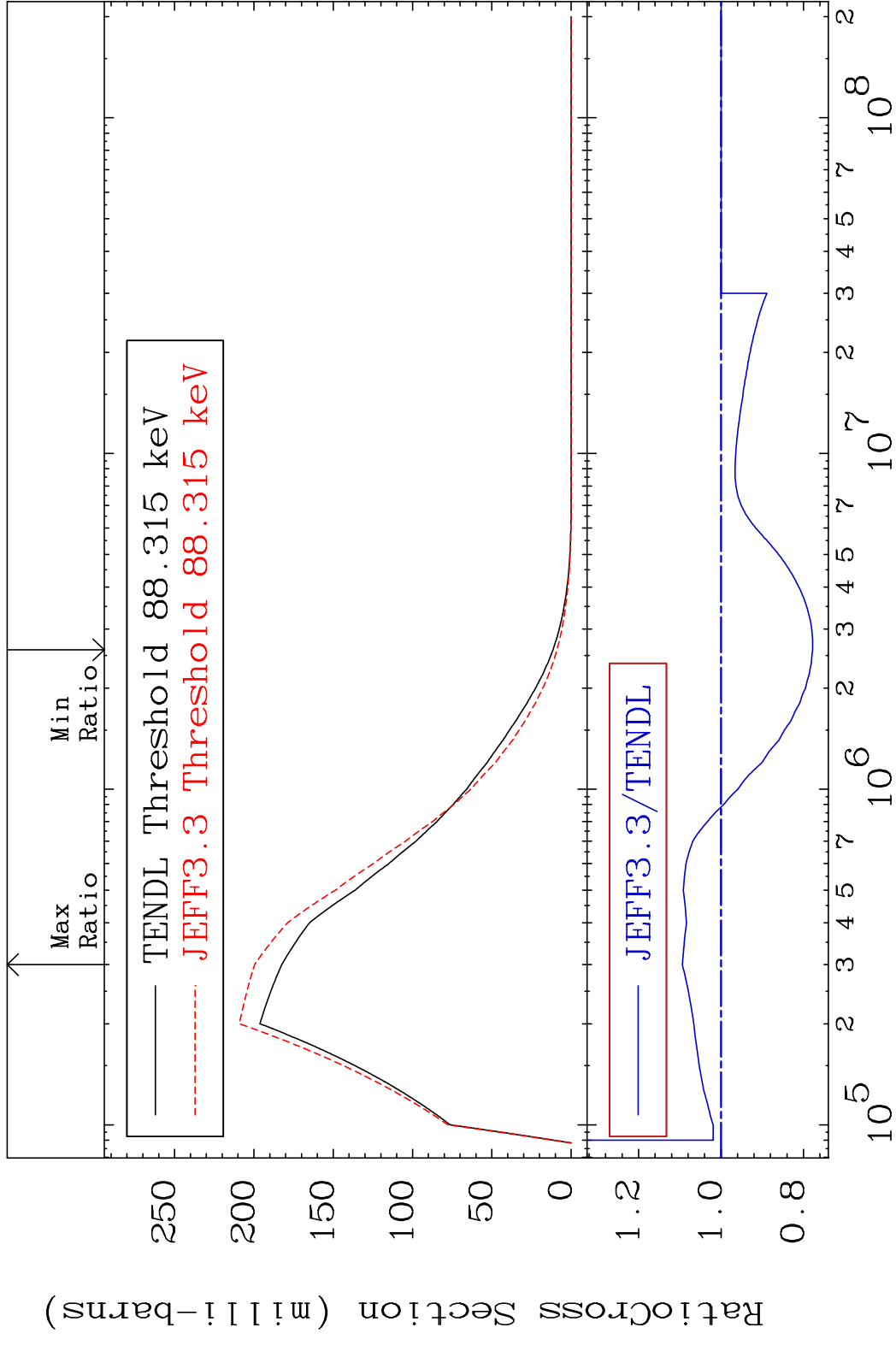


MAT 5134

MT= 55 (n,n') Level

51-Sb-124

Cross Section -22.20 To 9.390 %



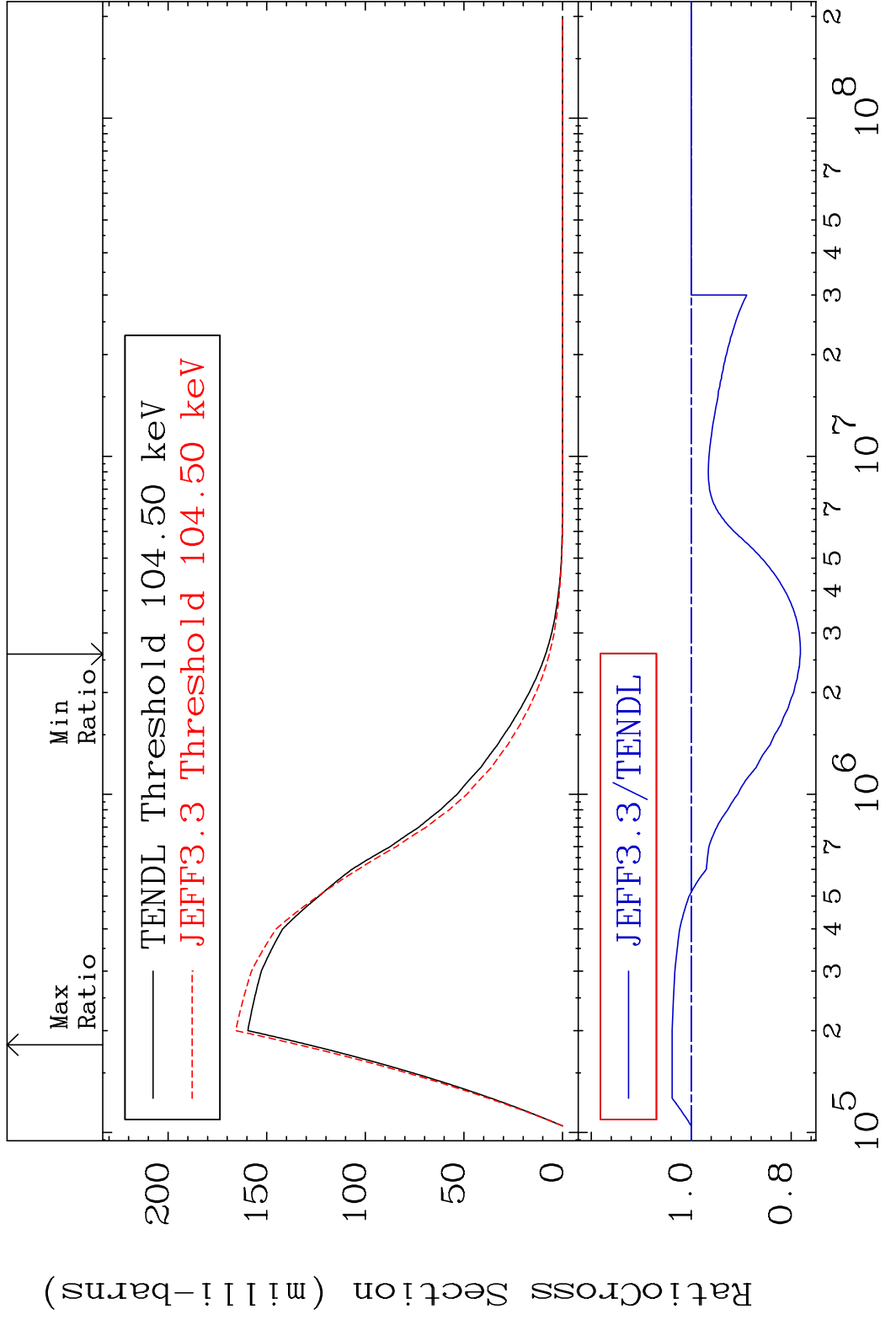
23

Incident Energy (eV)

51-Sb-124



MAT 5134 MT= 56 (n,n') Level 51-Sb-124  
 Cross Section -21.83 To 3.837 %



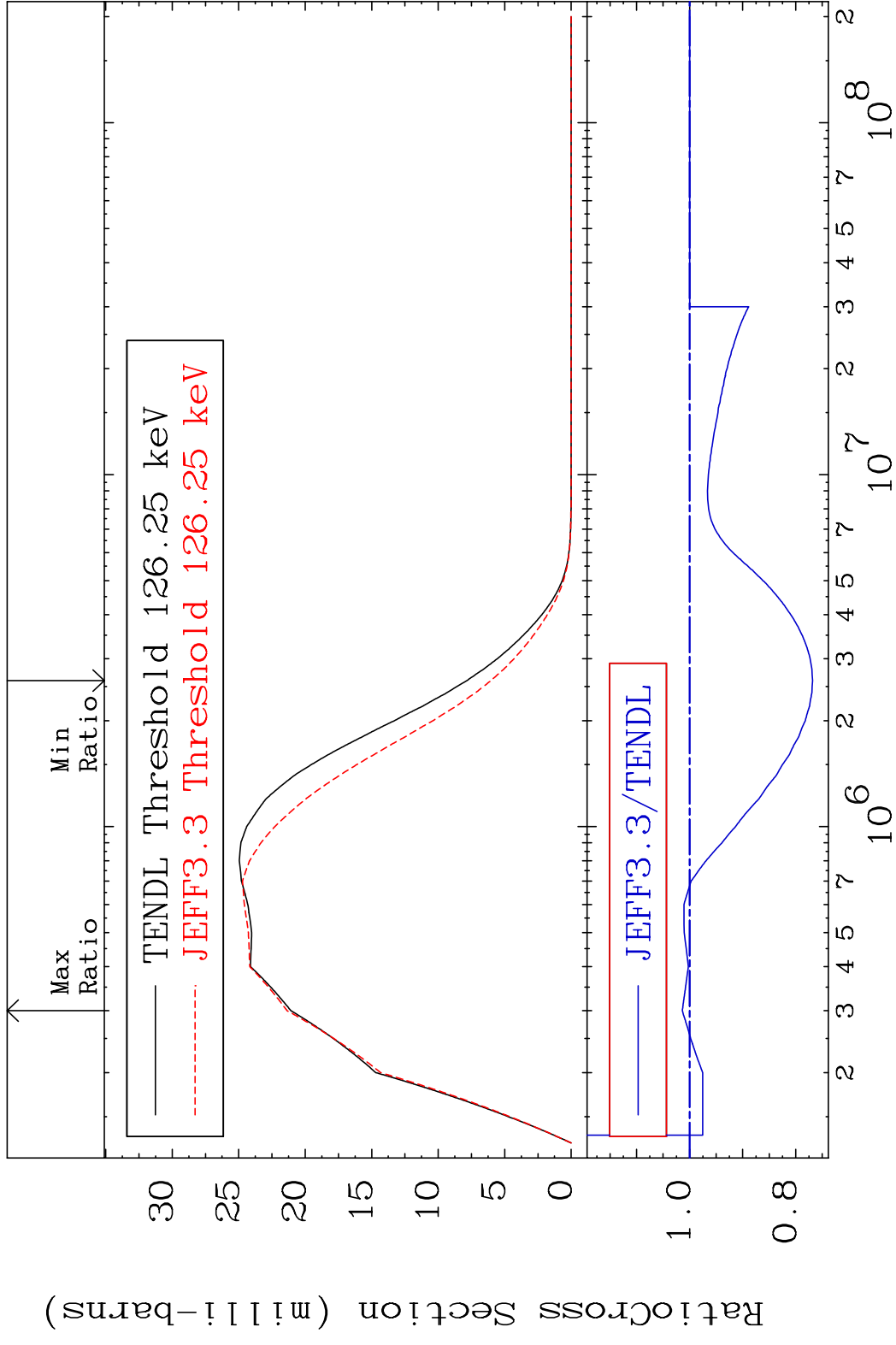
24 Incident Energy (eV) 51-Sb-124

MAT 5134

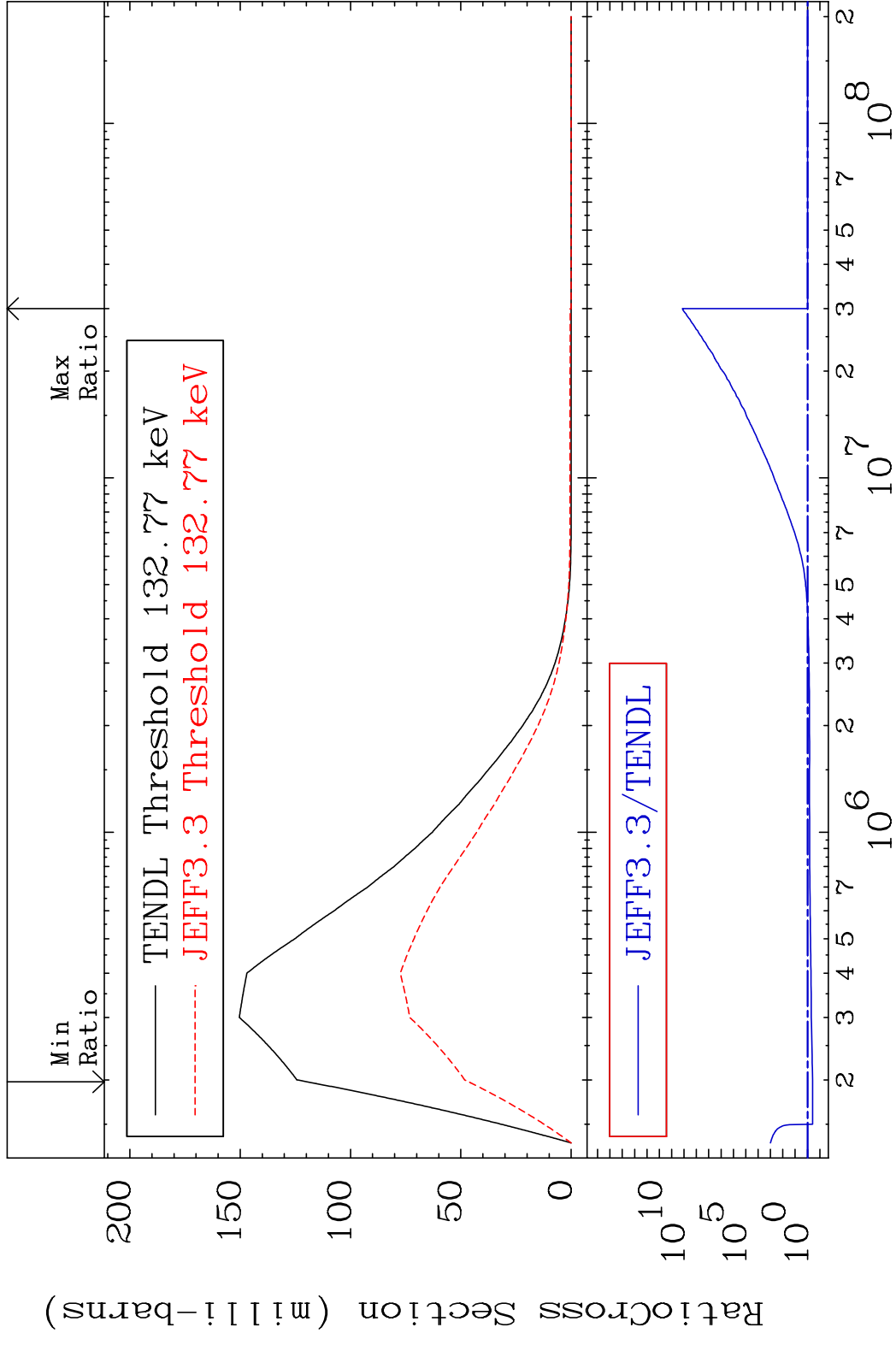
MT= 57 (n, n') Level

51-Sb-124

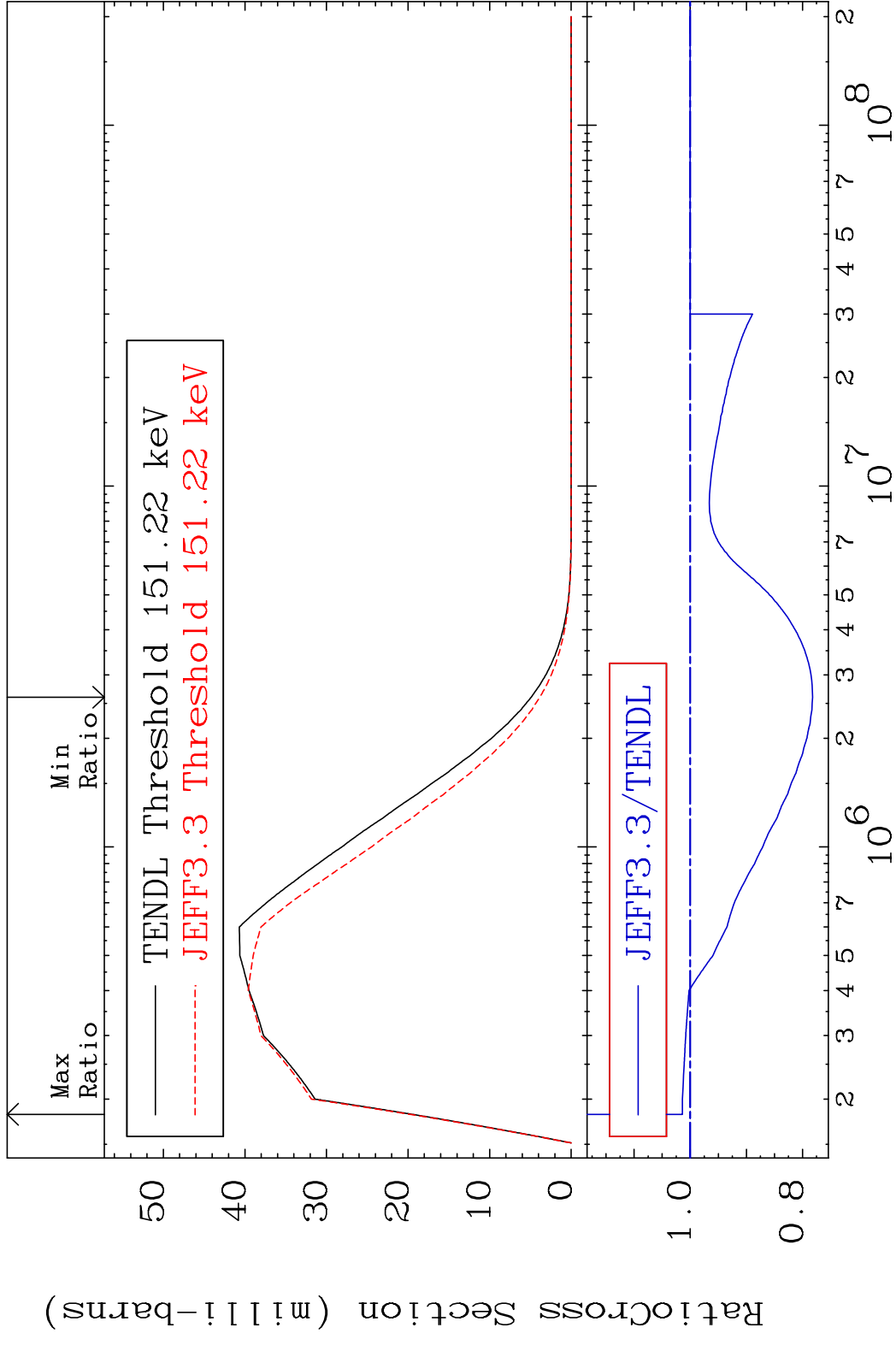
Cross Section -23.17 To 1.368 %



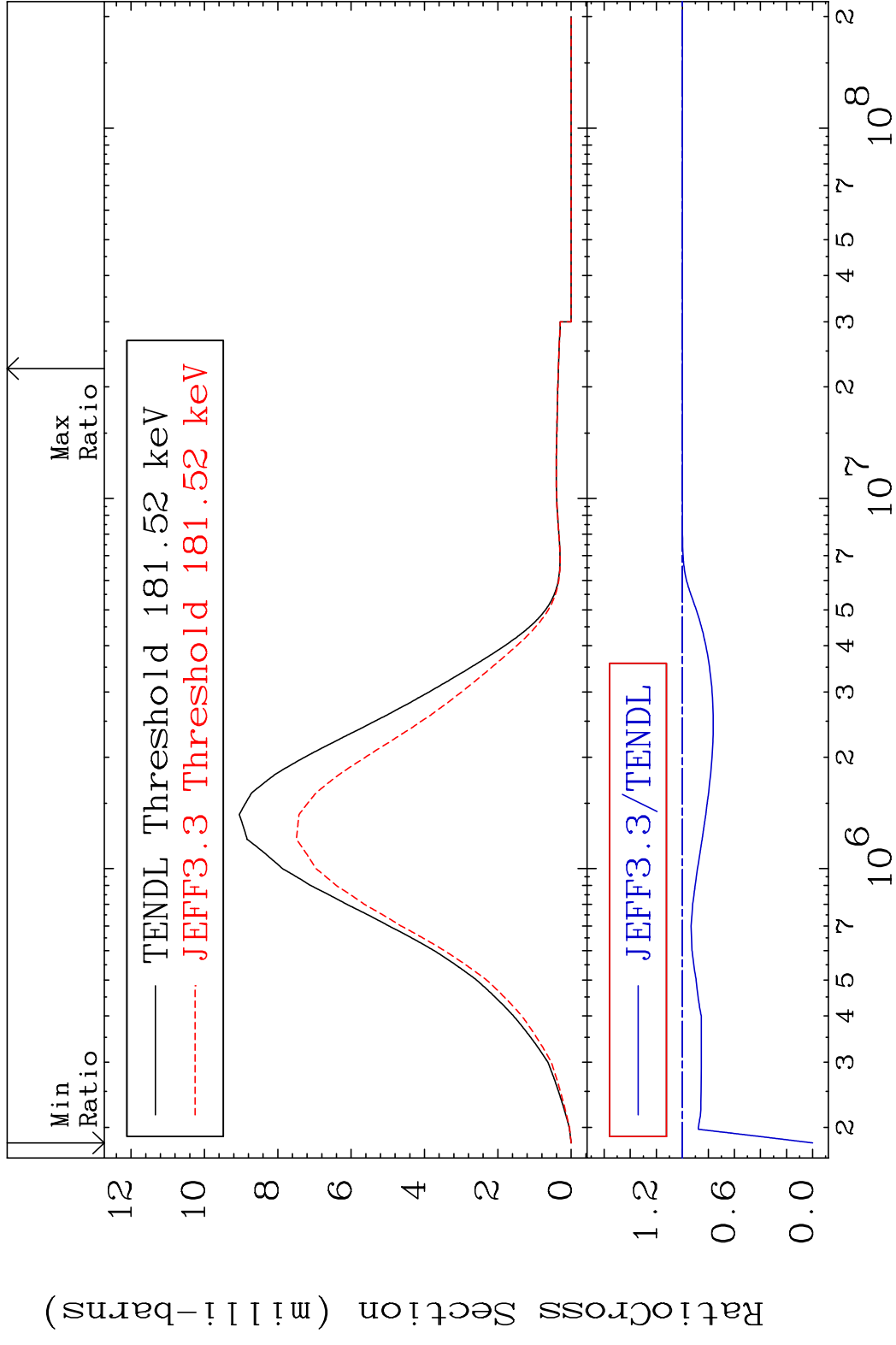
MAT 5134 MT= 58 (n,n') Level 51-Sb-124  
 Cross Section -61.17 To 9999. %



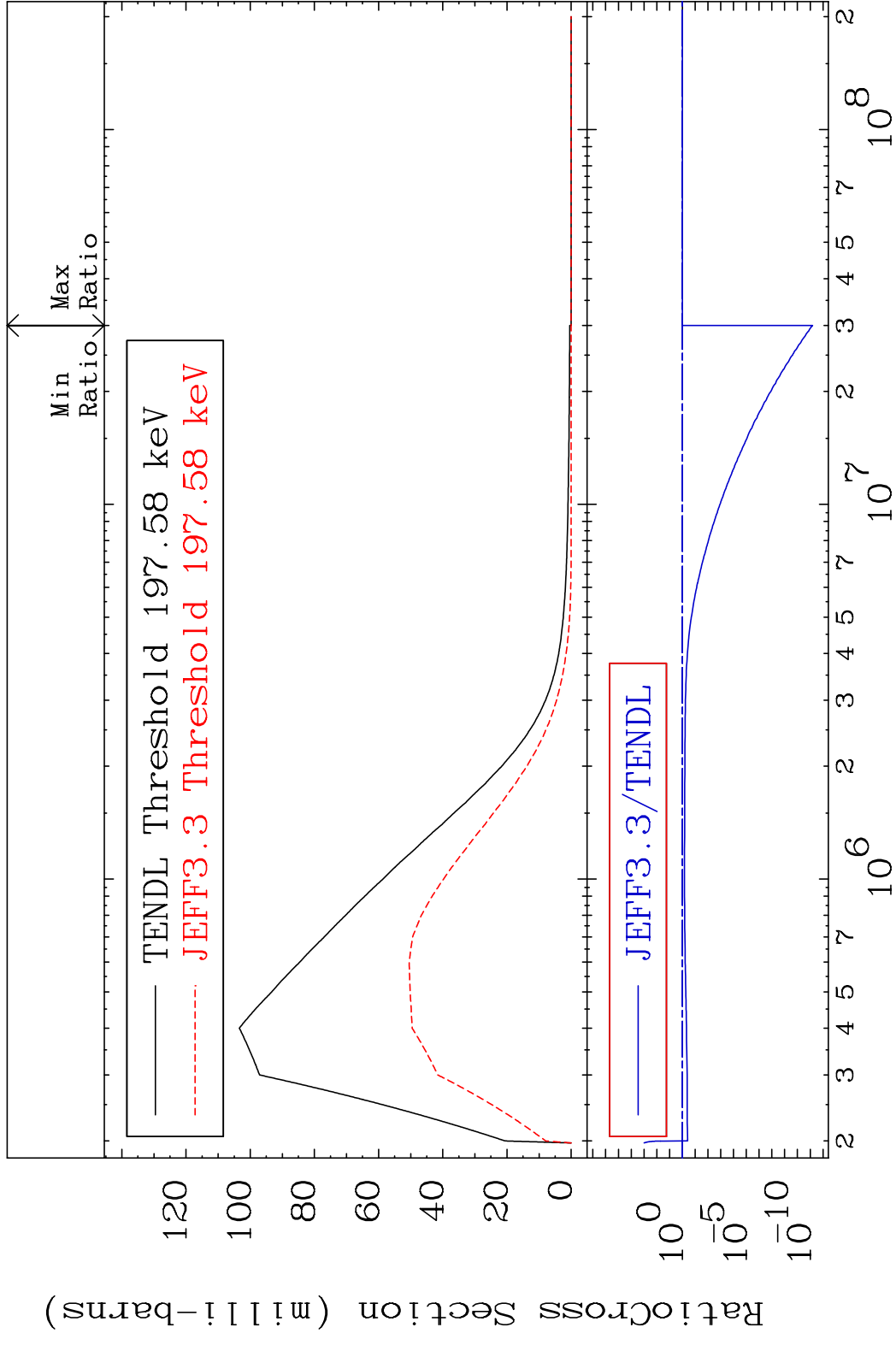
MAT 5134 MT= 59 (n,n') Level 51-Sb-124  
 Cross Section -21.78 To 1.407 %



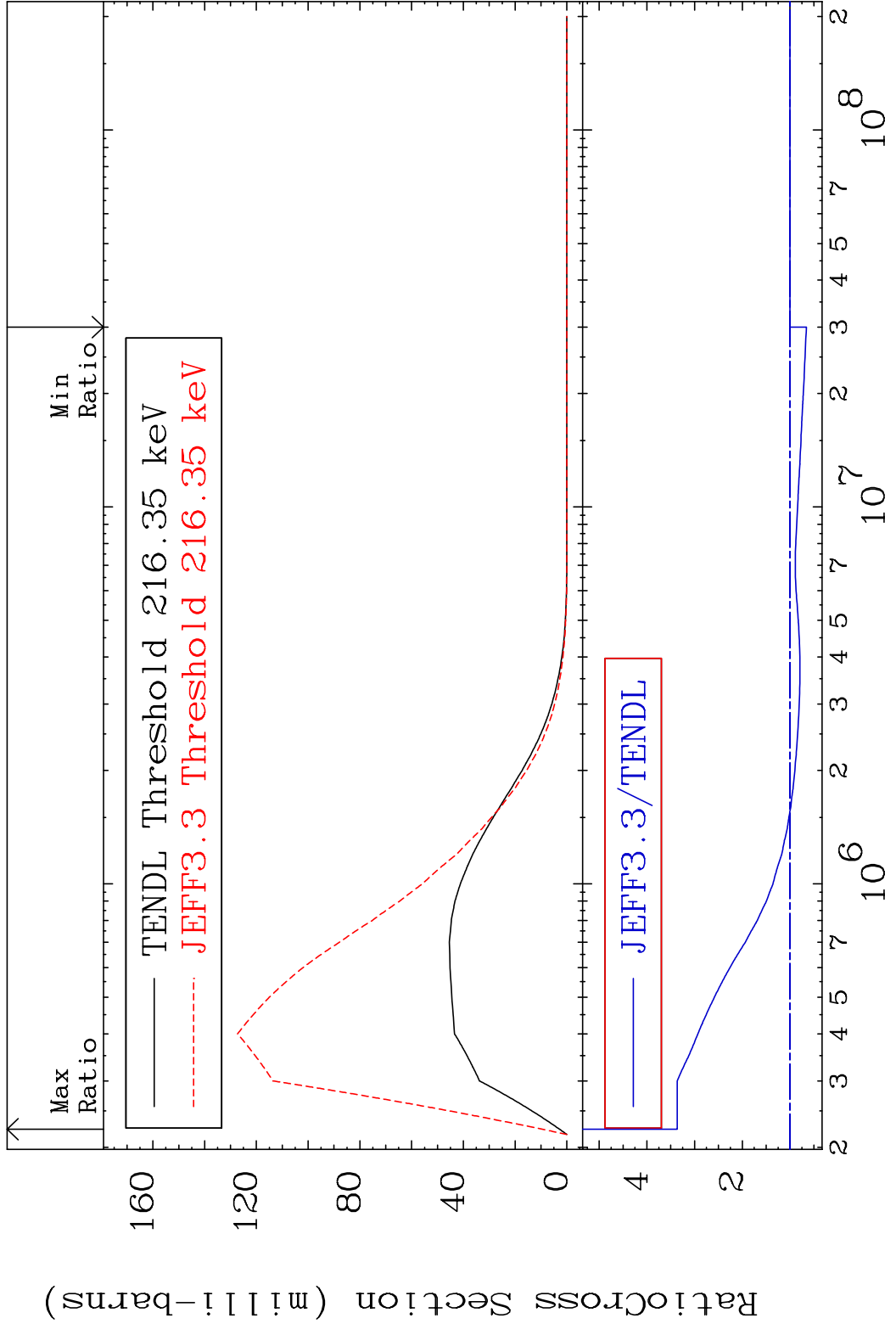
MAT 5134 MT= 60 (n,n') Level 51-Sb-124  
 Cross Section -100.0 To 0.000 %



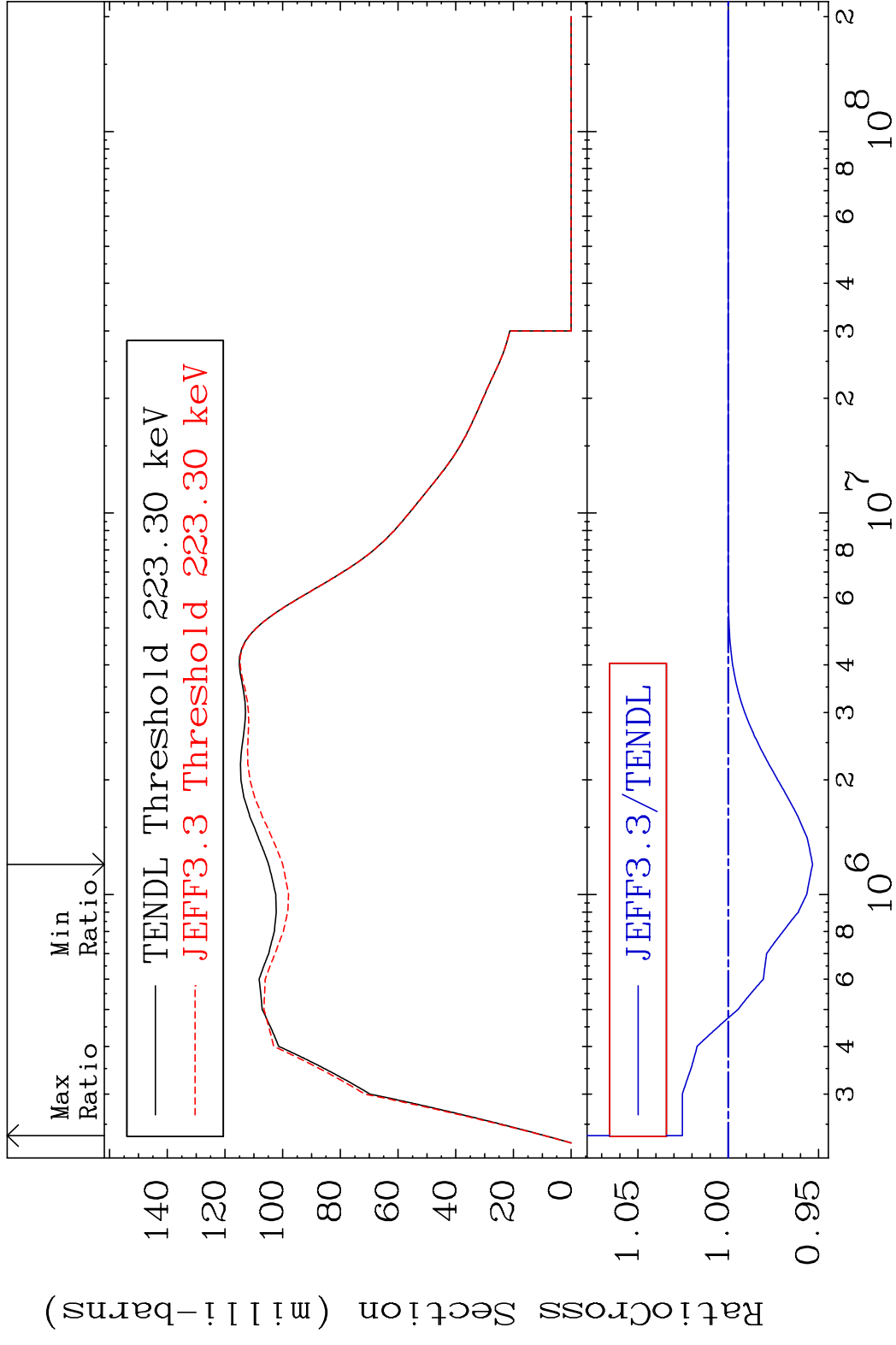
MAT 5134 MT= 61 (n,n') Level 51-Sb-124  
 Cross Section -100.0 To 0.000 %



MAT 5134 MT= 62 (n, n') Level 51-Sb-124  
 Cross Section -34.40 To 236.5 %

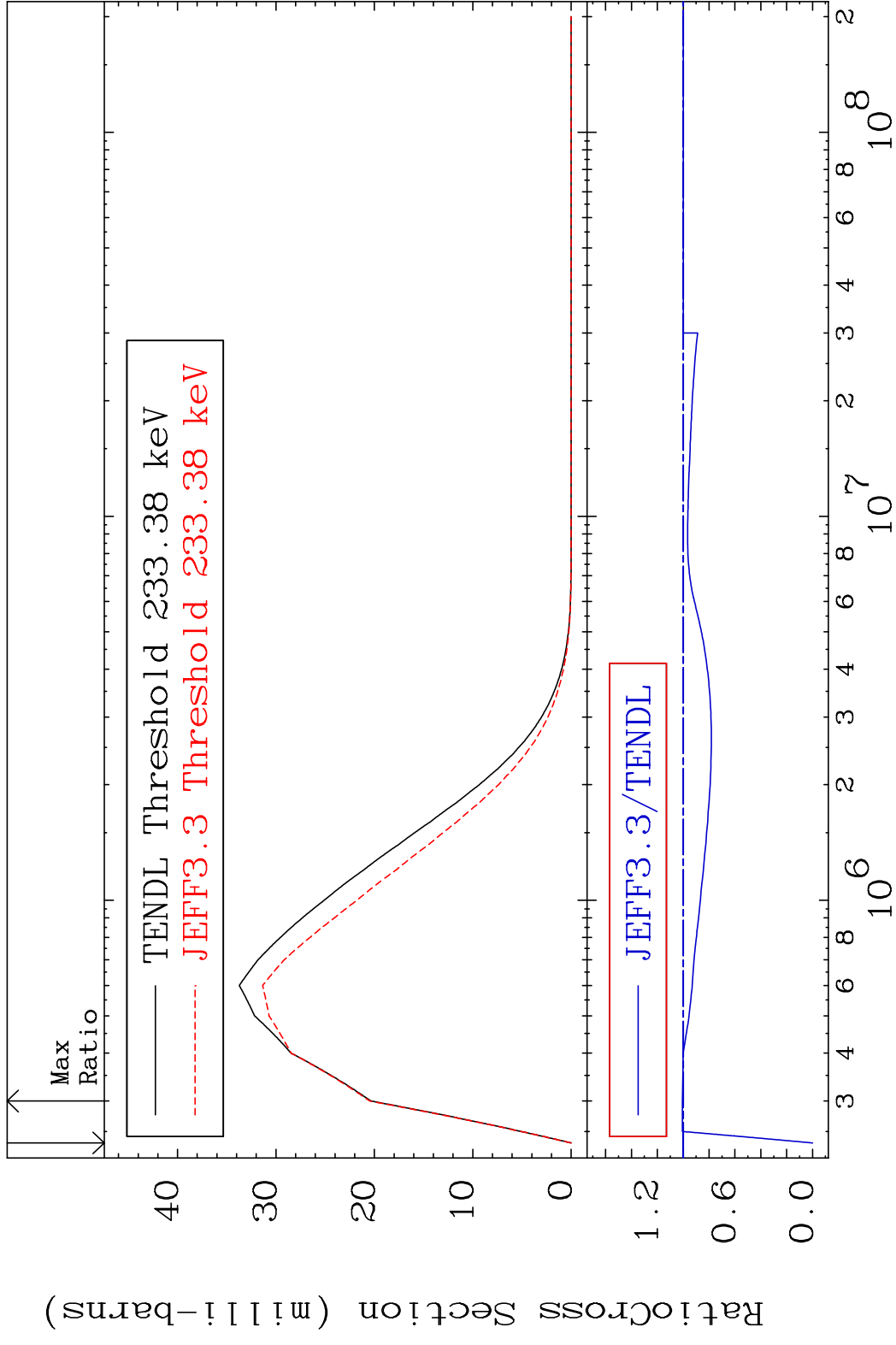


MAT 5134 MT= 63 (n,n') Level 51-Sb-124  
 Cross Section -4.669 To 2.538 %

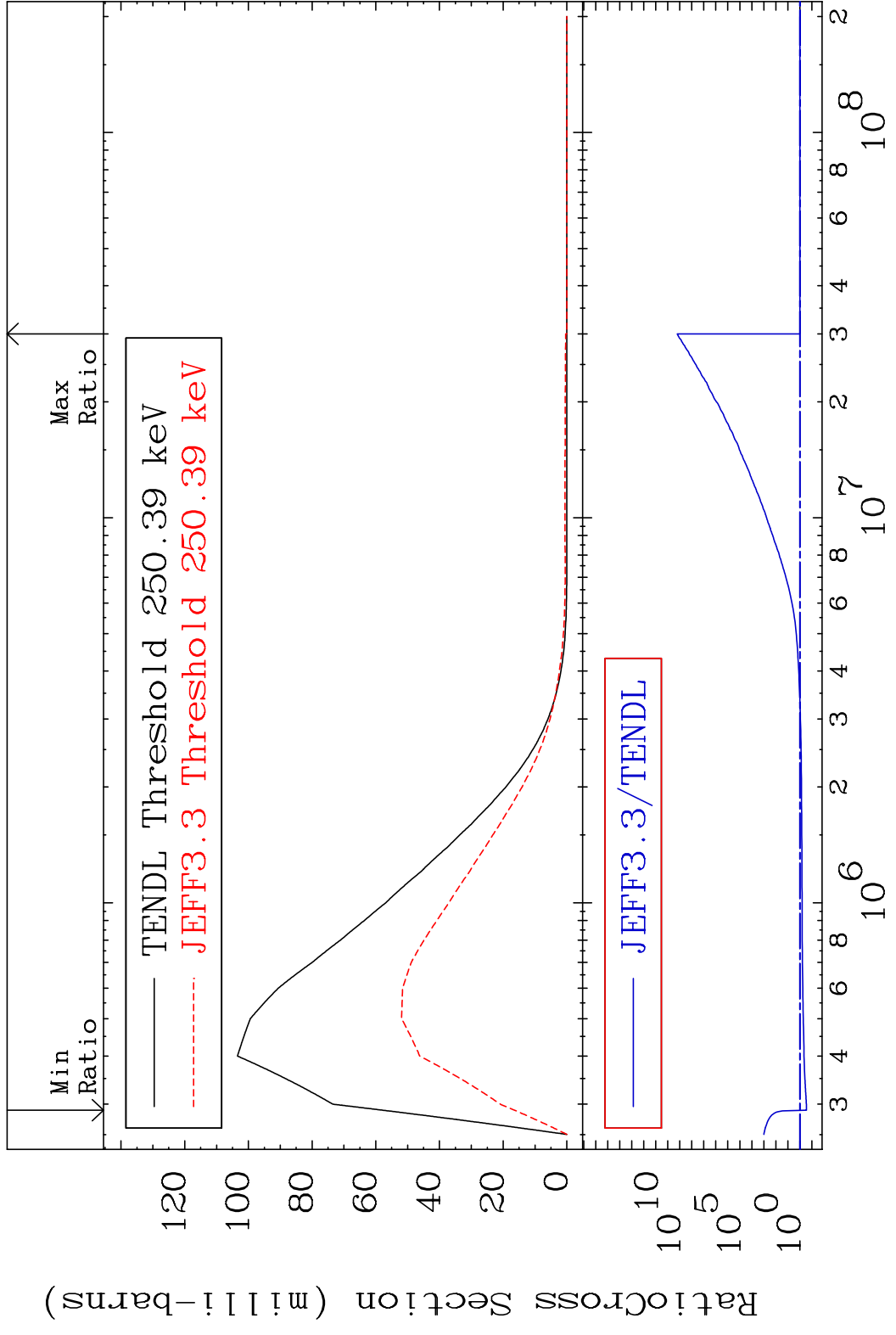




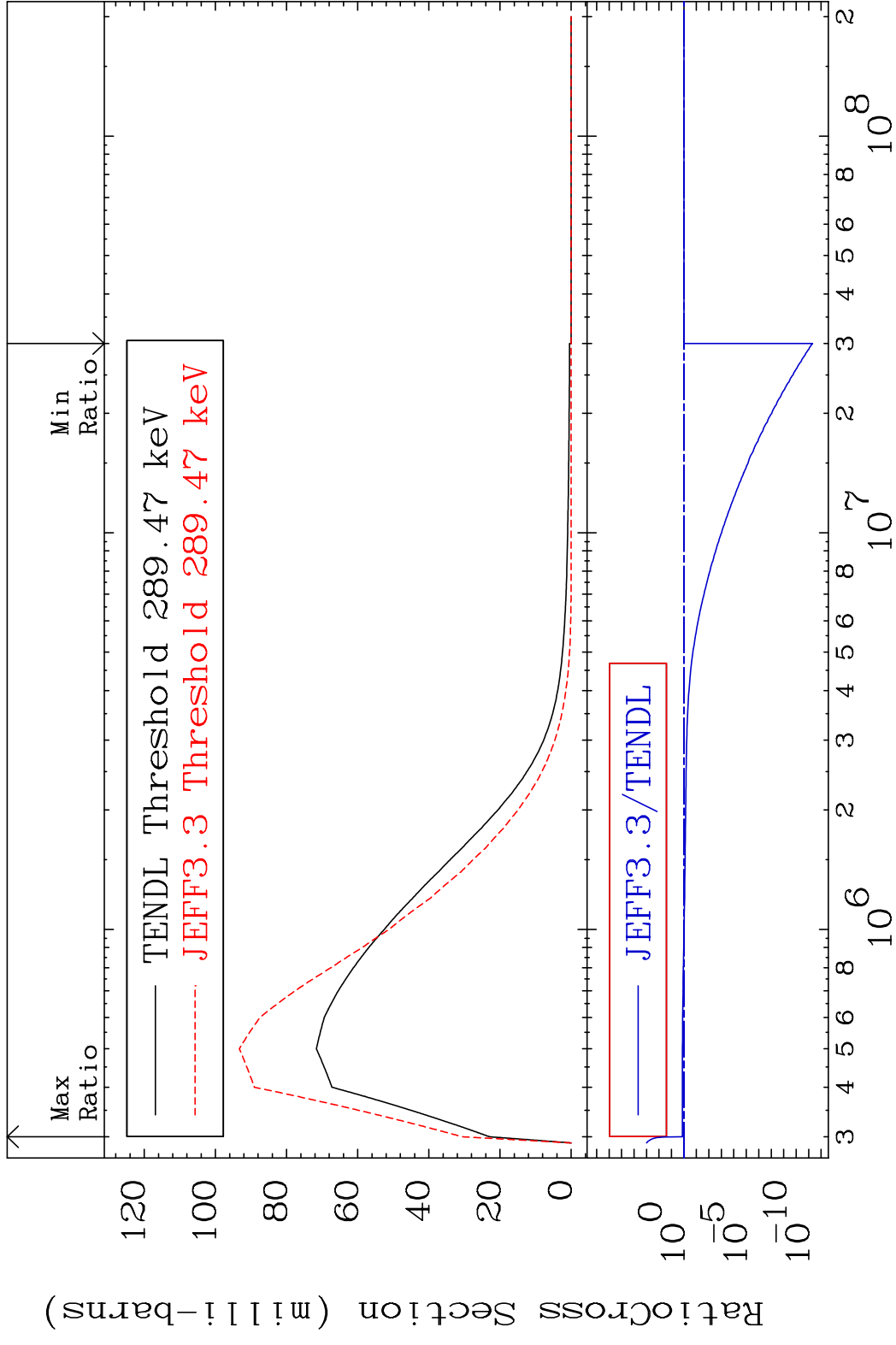
MAT 5134 MT= 64 (n,n') Level 51-Sb-124  
 Cross Section -100.0 To 0.660 %



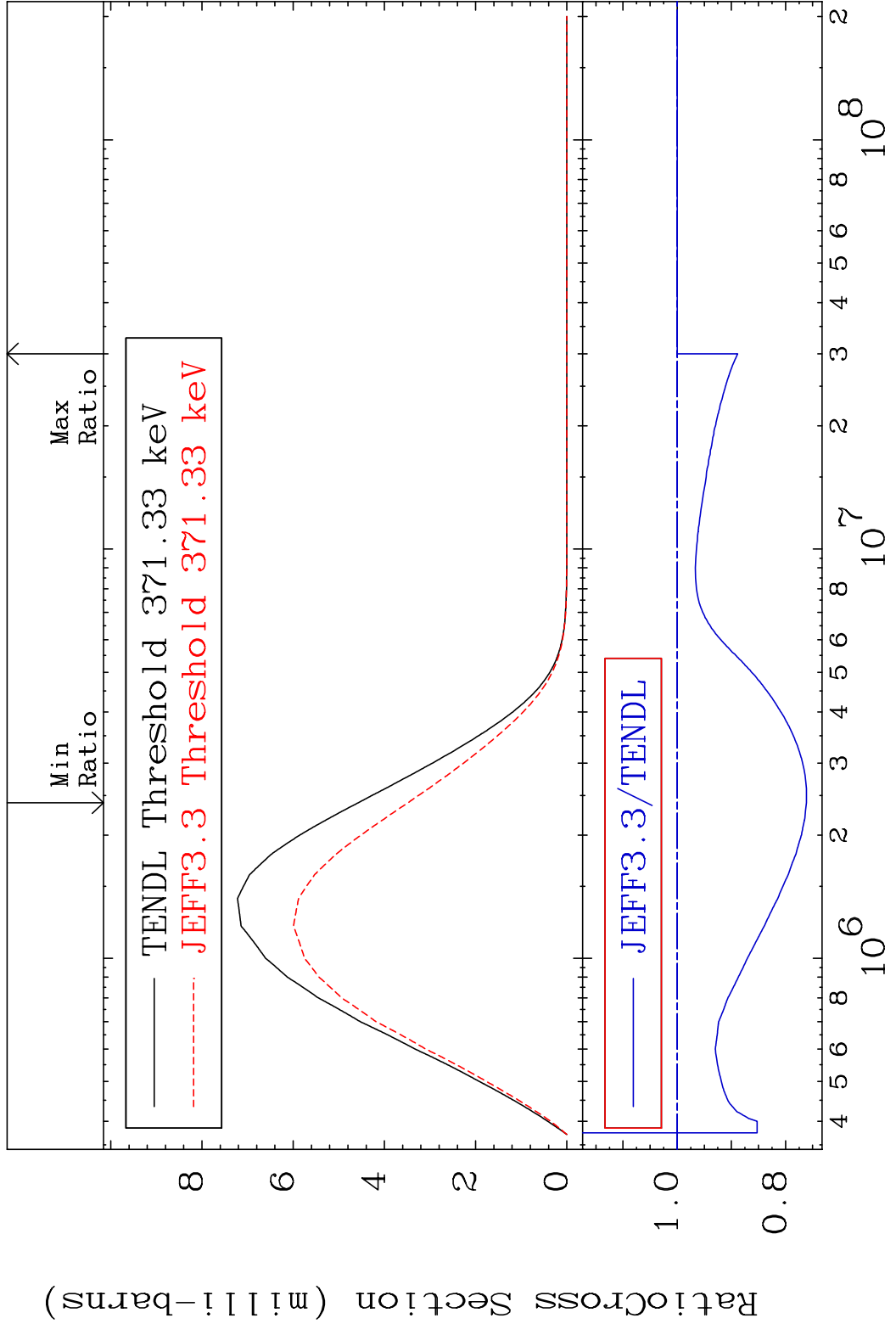
MAT 5134 MT= 65 (n,n') Level 51-Sb-124  
 Cross Section -71.58 To 9999. %



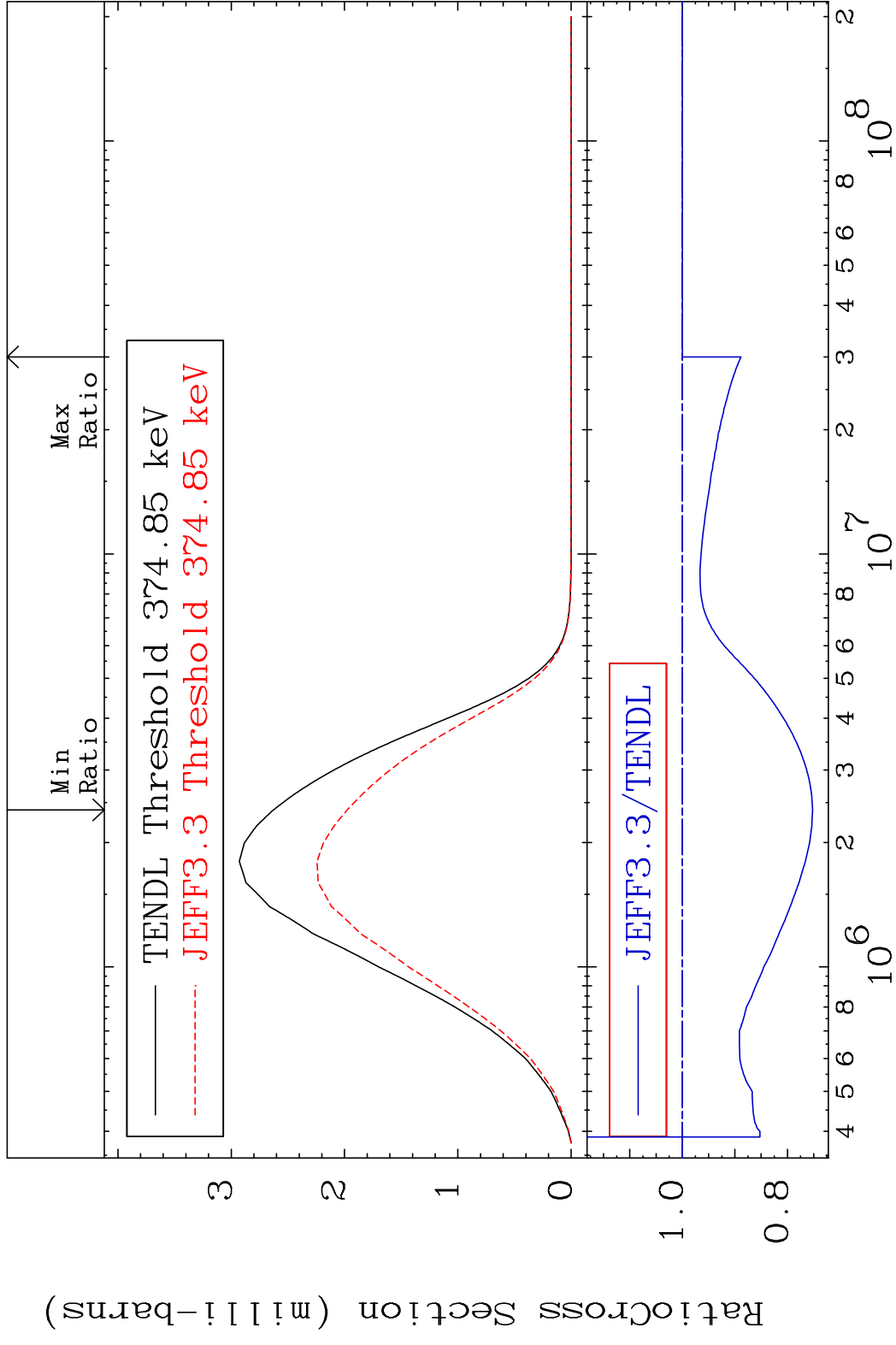
MAT 5134 MT= 66 (n,n') Level 51-Sb-124  
 Cross Section -100.0 To 33.34 %



MAT 5134 MT= 67 (n, n') Level 51-Sb-124  
 Cross Section -23.85 To 0.000 %



MAT 5134 MT= 68 (n,n') Level 51-Sb-124  
 Cross Section -24.78 To 0.000 %

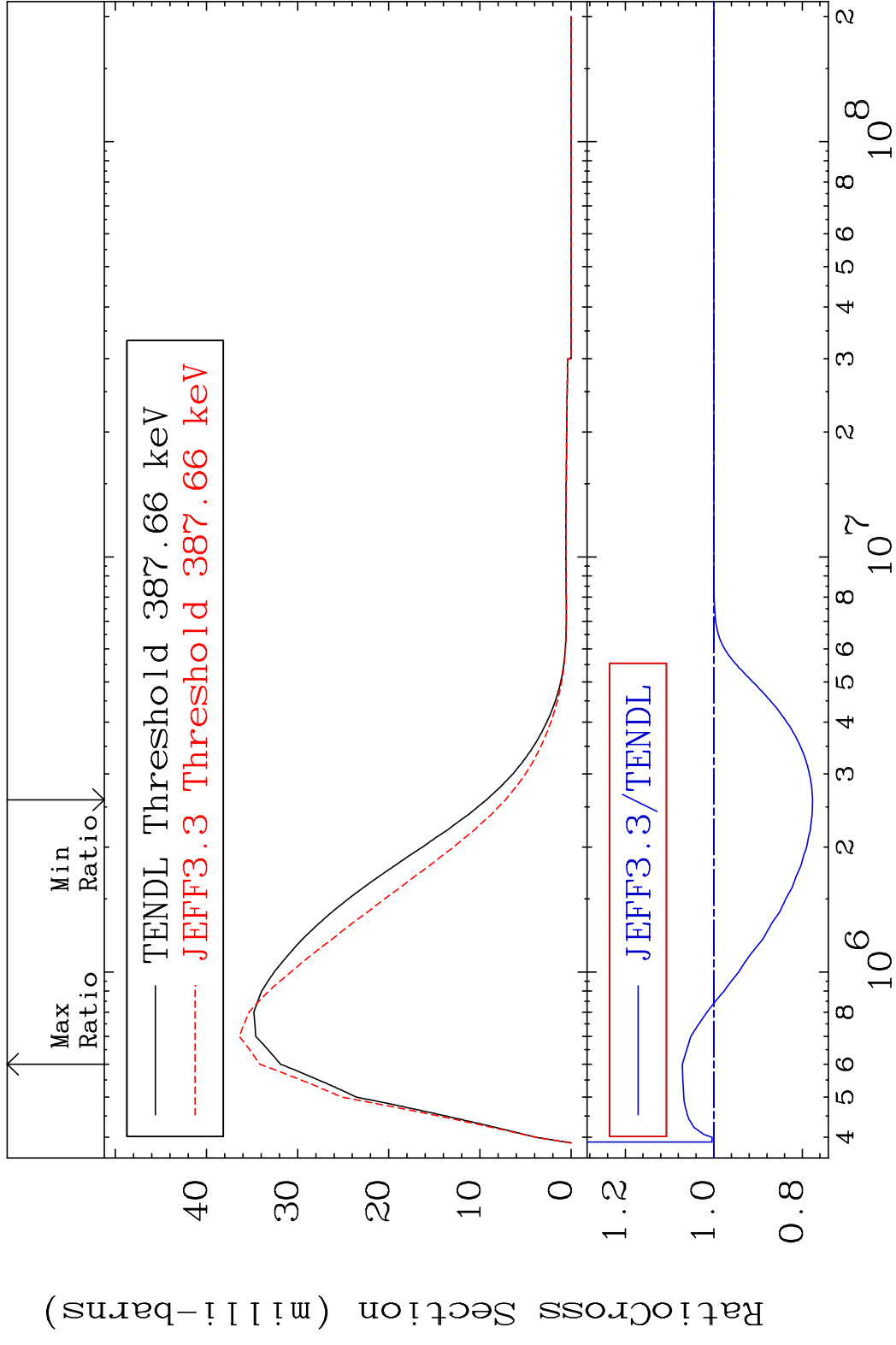


MAT 5134

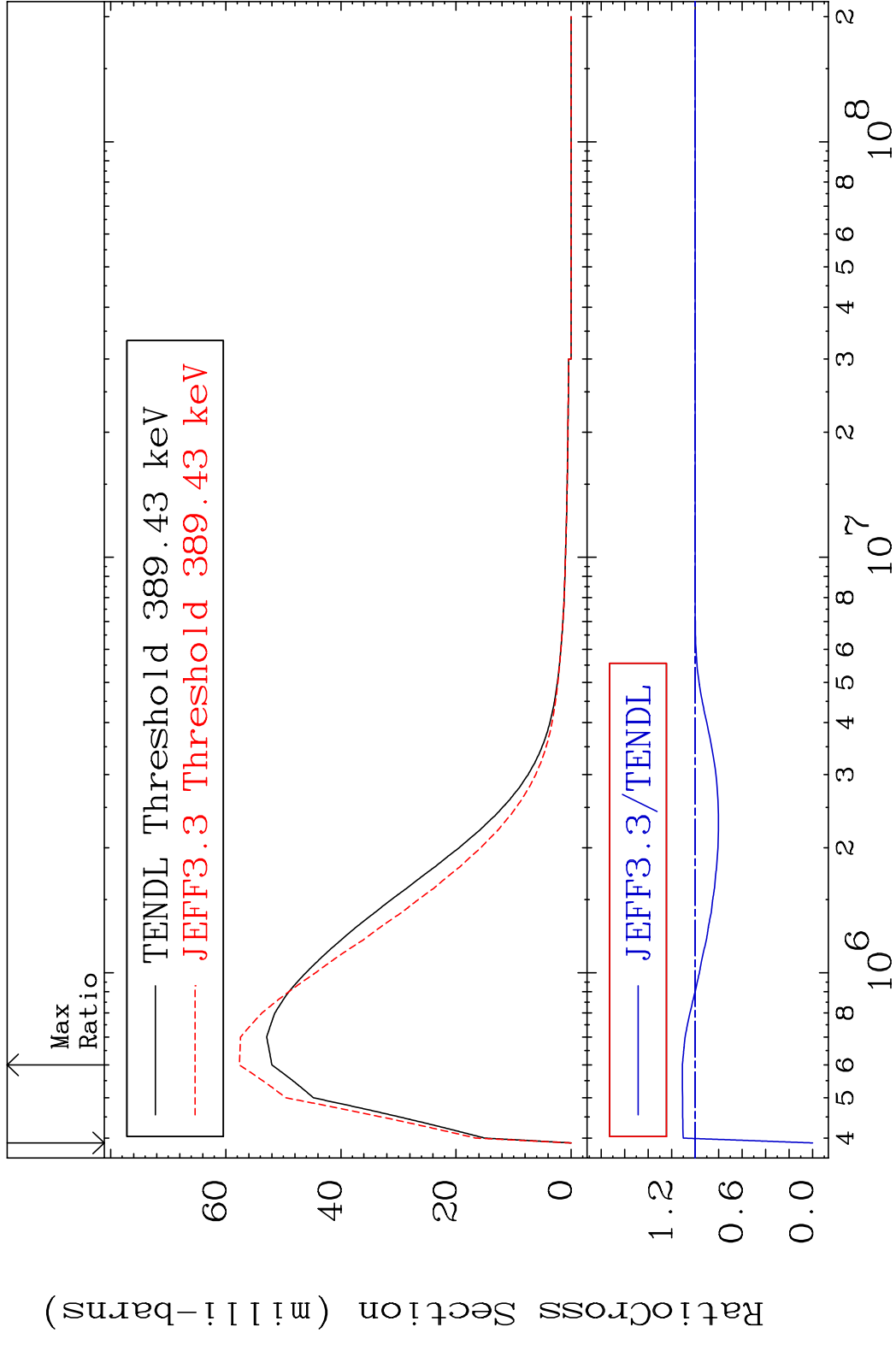
MT= 69 (n, n') Level

51-Sb-124

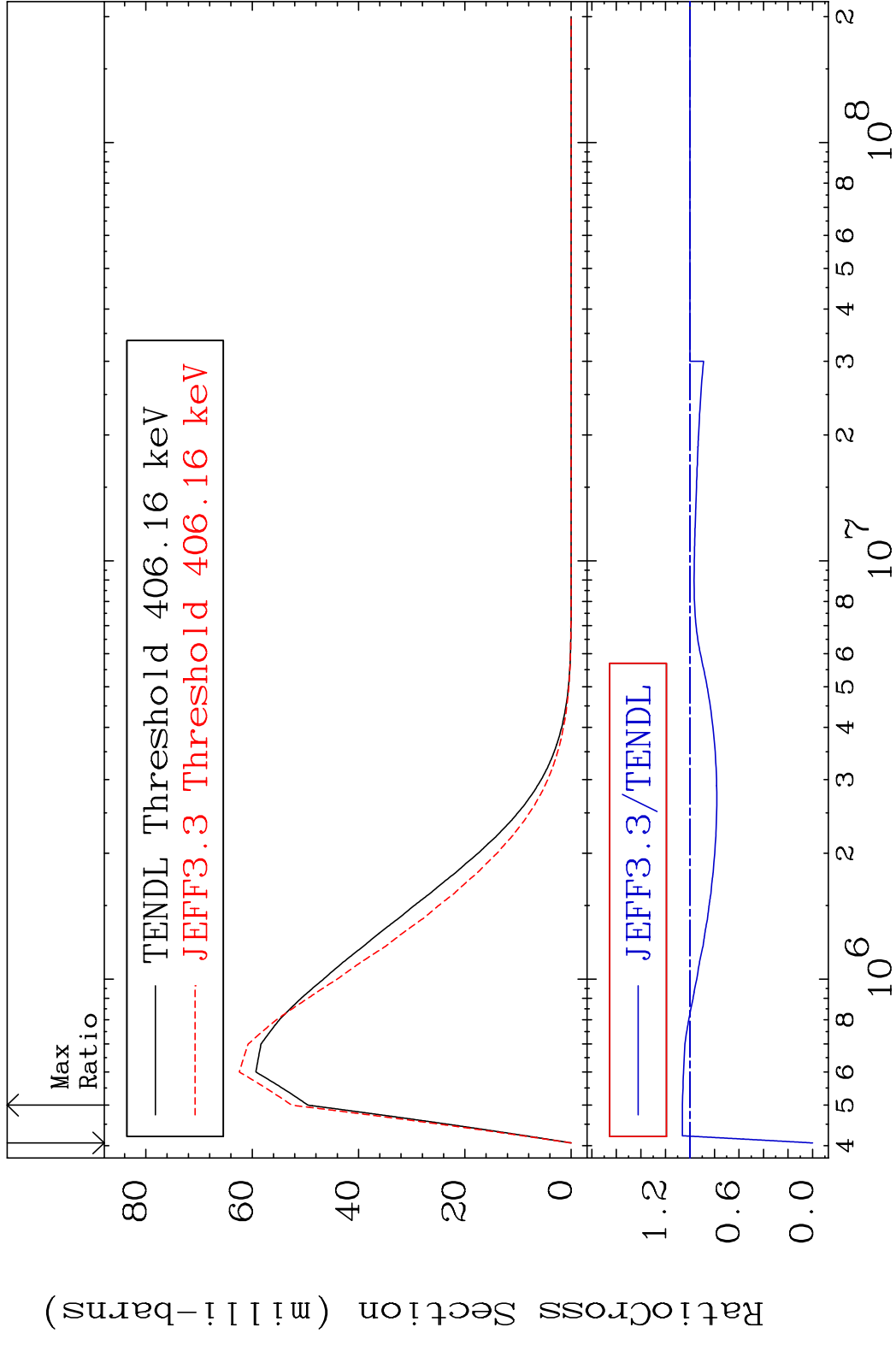
Cross Section -22.31 To 7.104 %



MAT 5134 MT= 70 (n,n') Level 51-Sb-124  
 Cross Section -100.0 To 10.88 %

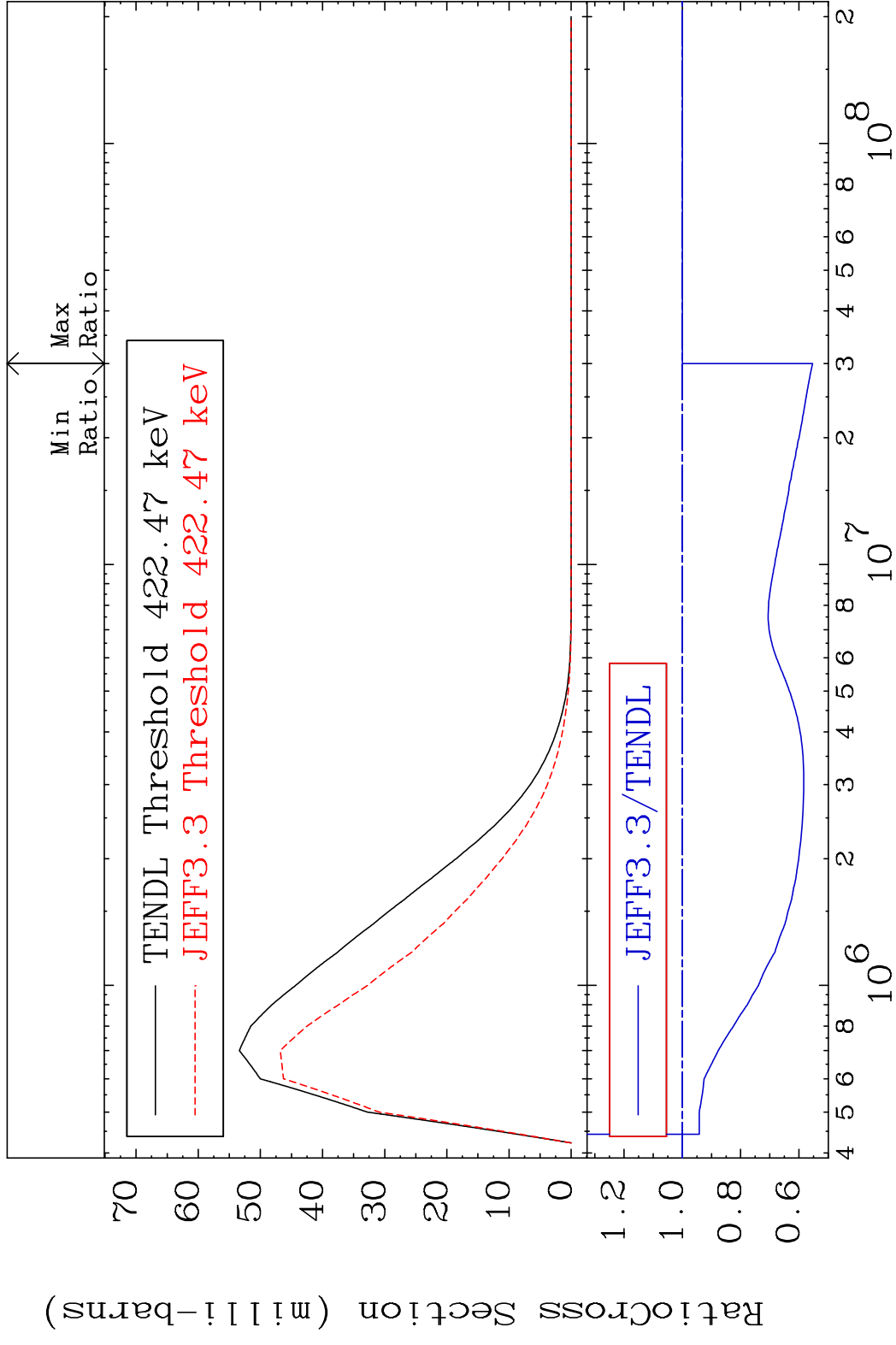


MAT 5134 MT= 71 (n,n') Level 51-Sb-124  
 Cross Section -100.0 To 6.182 %

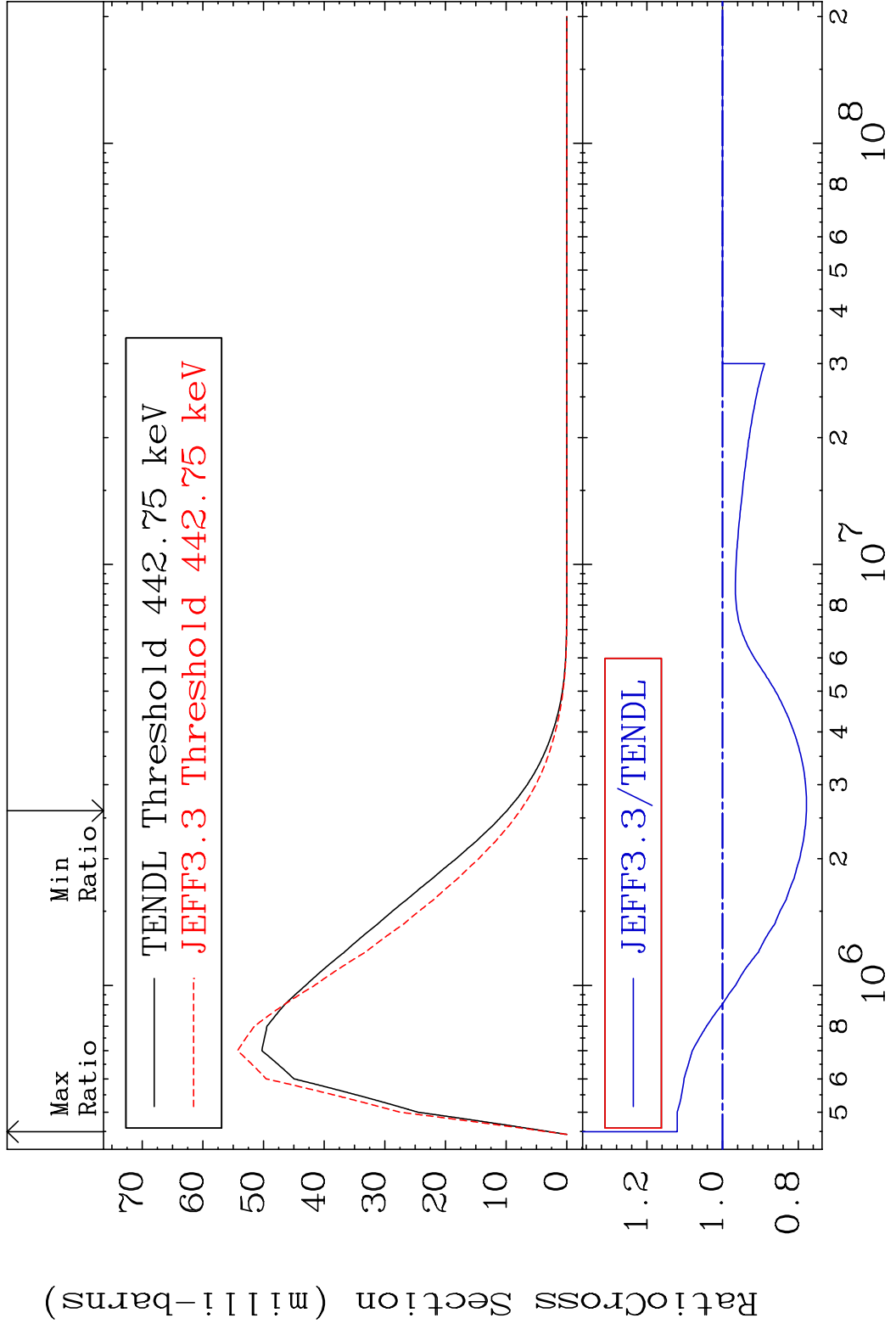




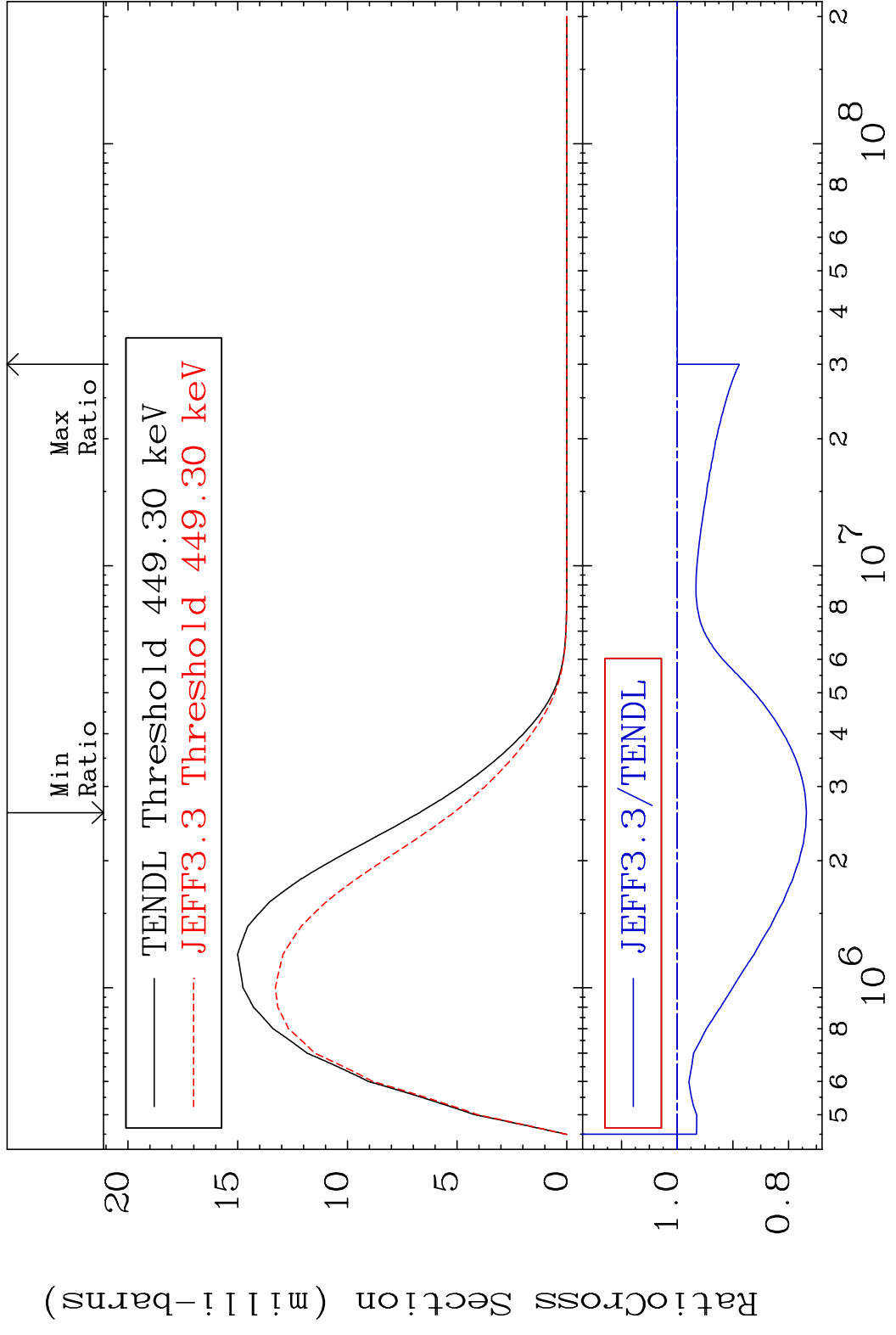
MAT 5134 MT= 72 (n,n') Level 51-Sb-124  
 Cross Section -44.68 To 0.000 %



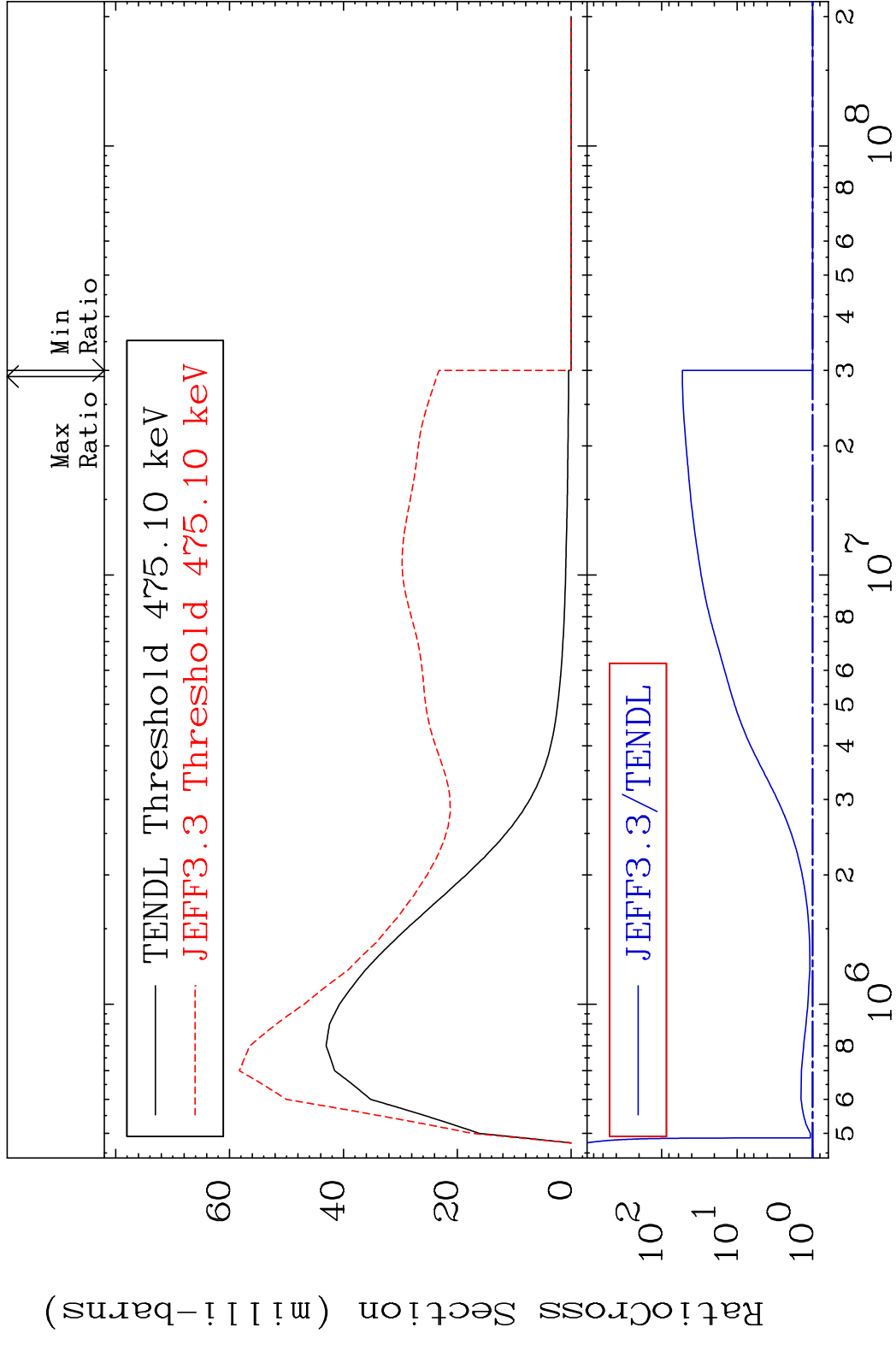
MAT 5134 MT= 73 (n,n') Level 51-Sb-124  
 Cross Section -22.17 To 11.98 %



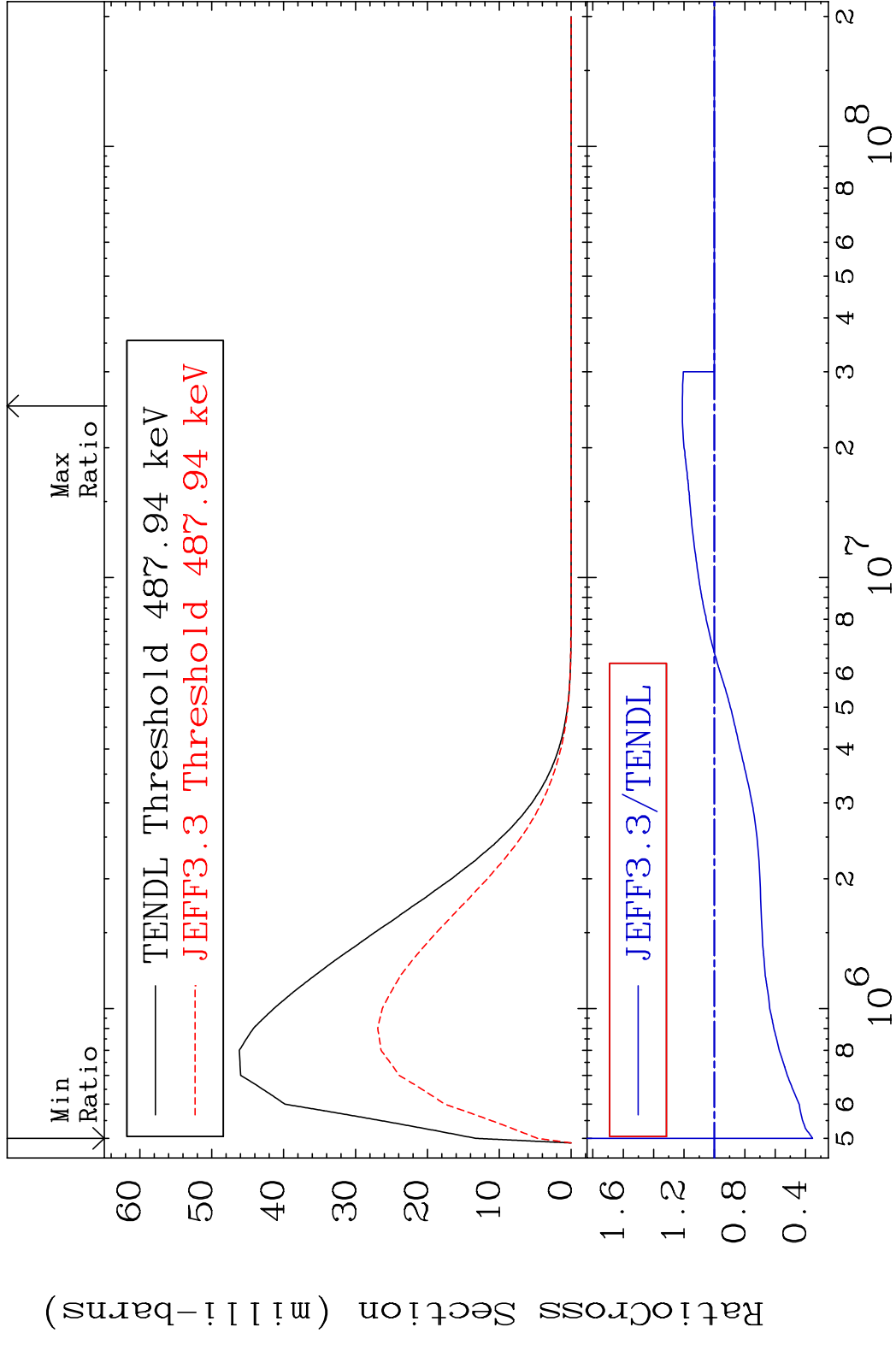
MAT 5134 MT= 74 (n,n') Level 51-Sb-124  
 Cross Section -23.21 To 0.000 %



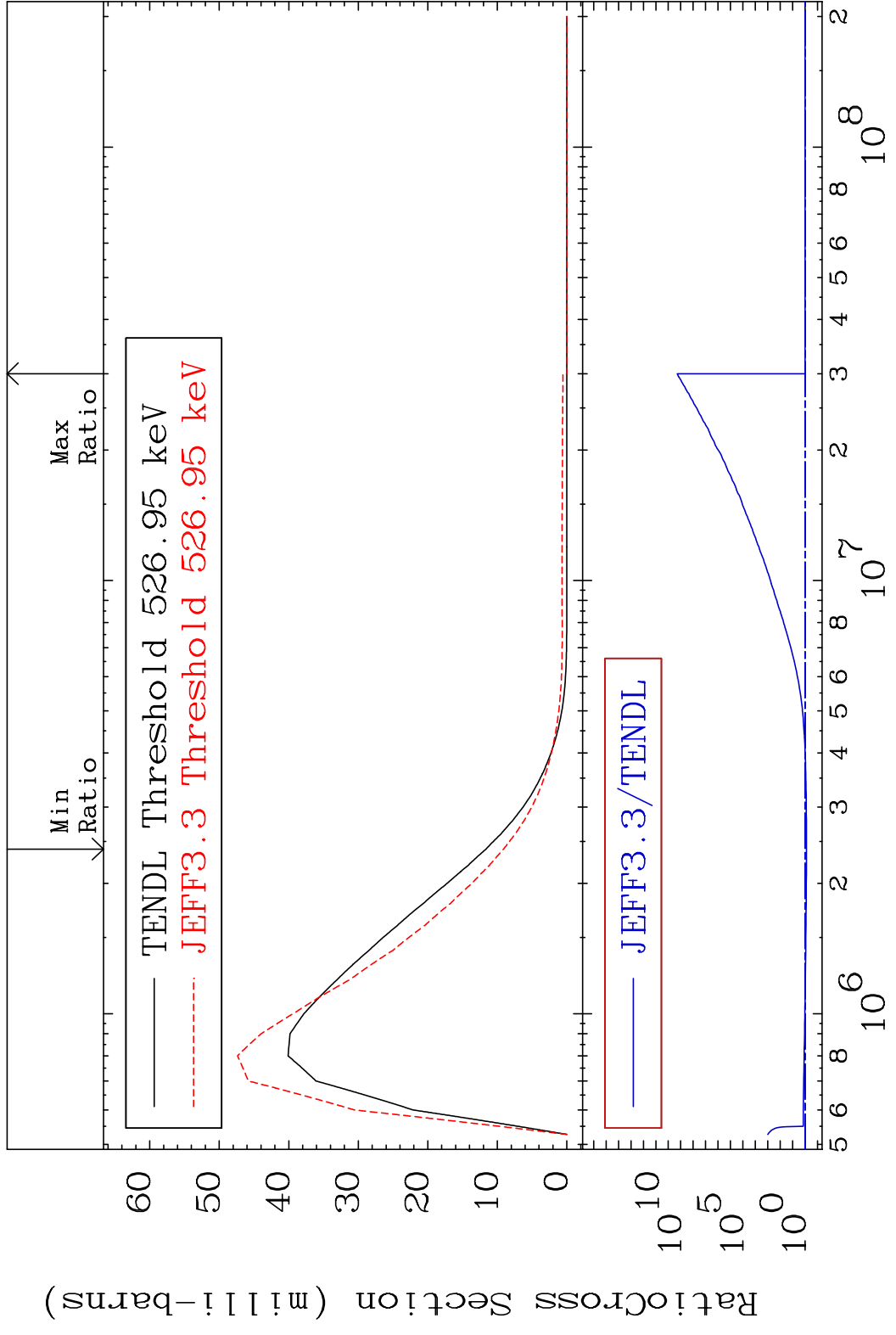
MAT 5134 MT= 75 (n,n') Level 51-Sb-124  
 Cross Section 0.000 To 5223. %



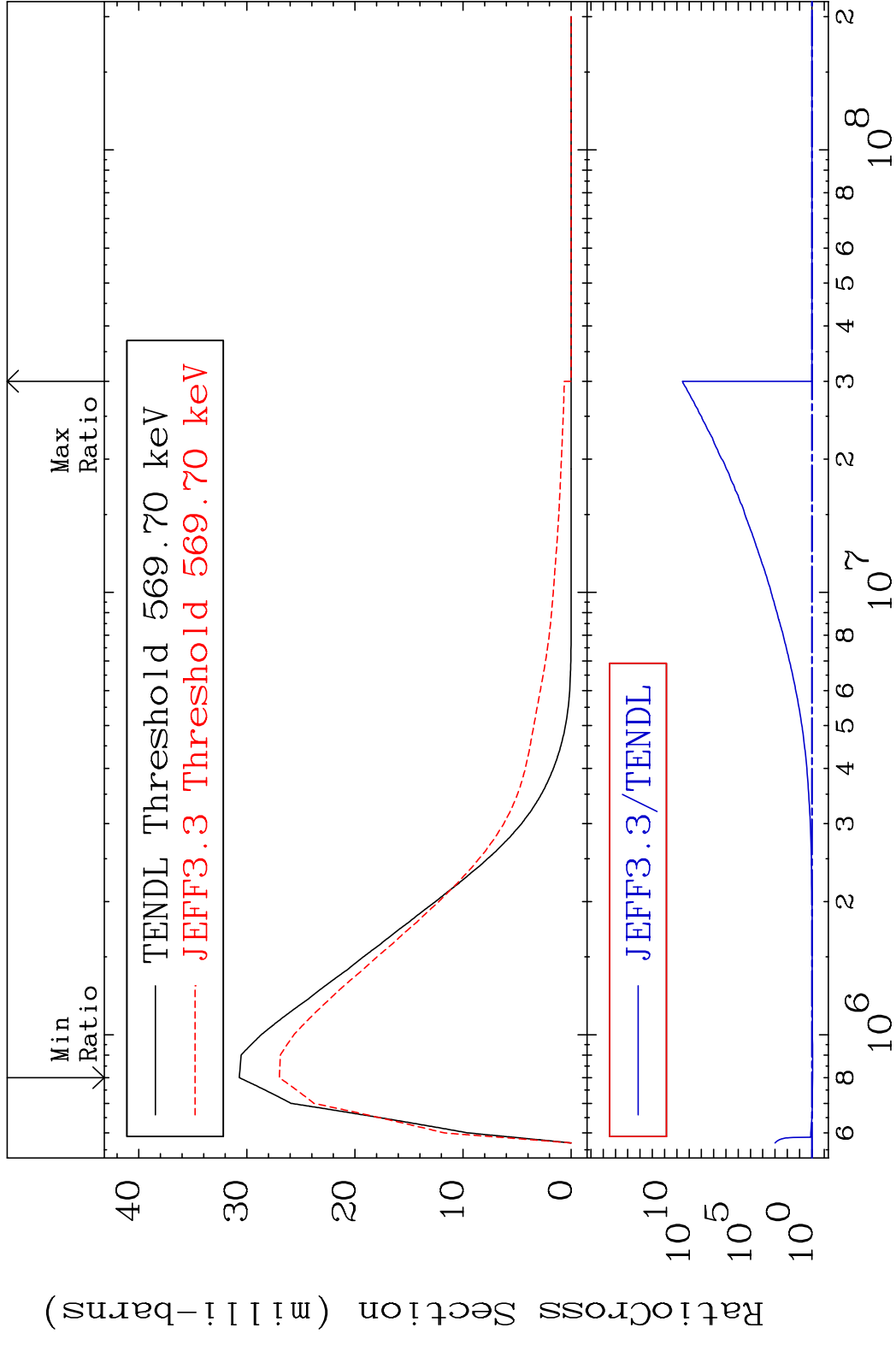
MAT 5134 MT= 76 (n, n') Level 51-Sb-124  
 Cross Section -64.62 To 21.08 %



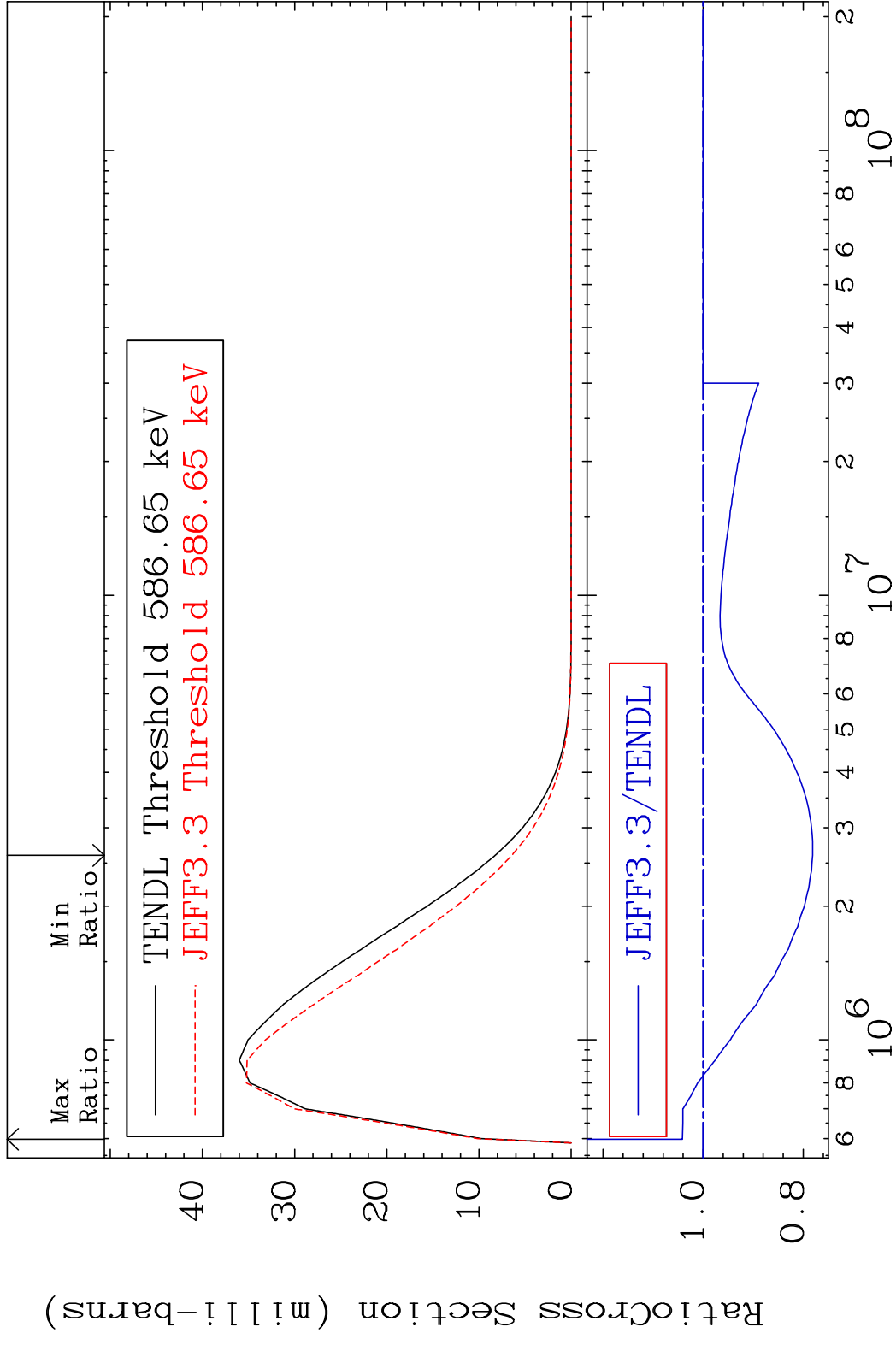
MAT 5134 MT= 77 (n, n') Level 51-Sb-124  
 Cross Section -21.93 To 9999. %



MAT 5134 MT= 78 (n,n') Level 51-Sb-124  
 Cross Section -12.07 To 9999. %

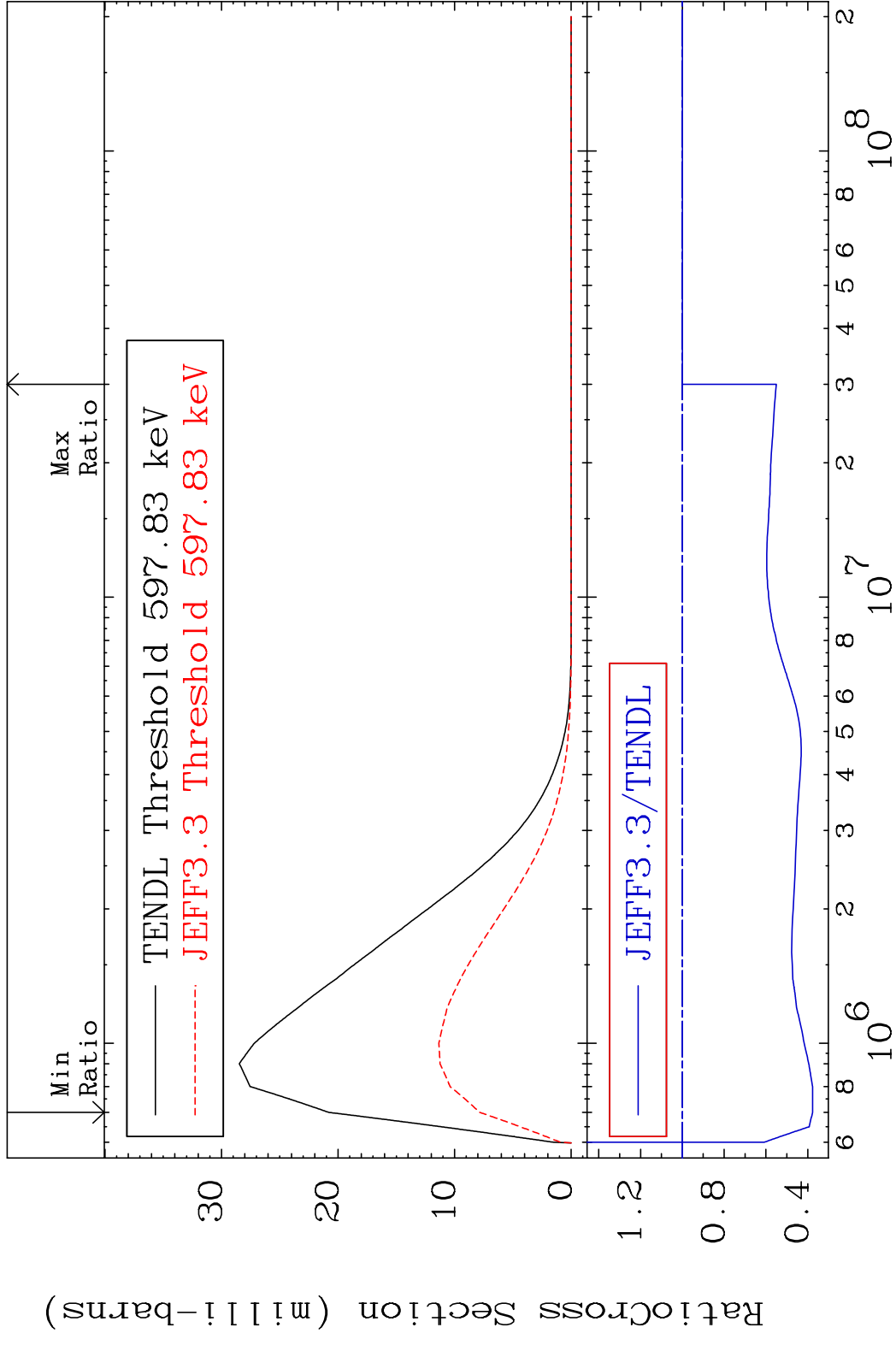


MAT 5134 MT= 79 (n,n') Level 51-Sb-124  
 Cross Section -21.86 To 4.162 %





MAT 5134 MT= 80 (n,n') Level 51-Sb-124  
 Cross Section -62.30 To 0.000 %



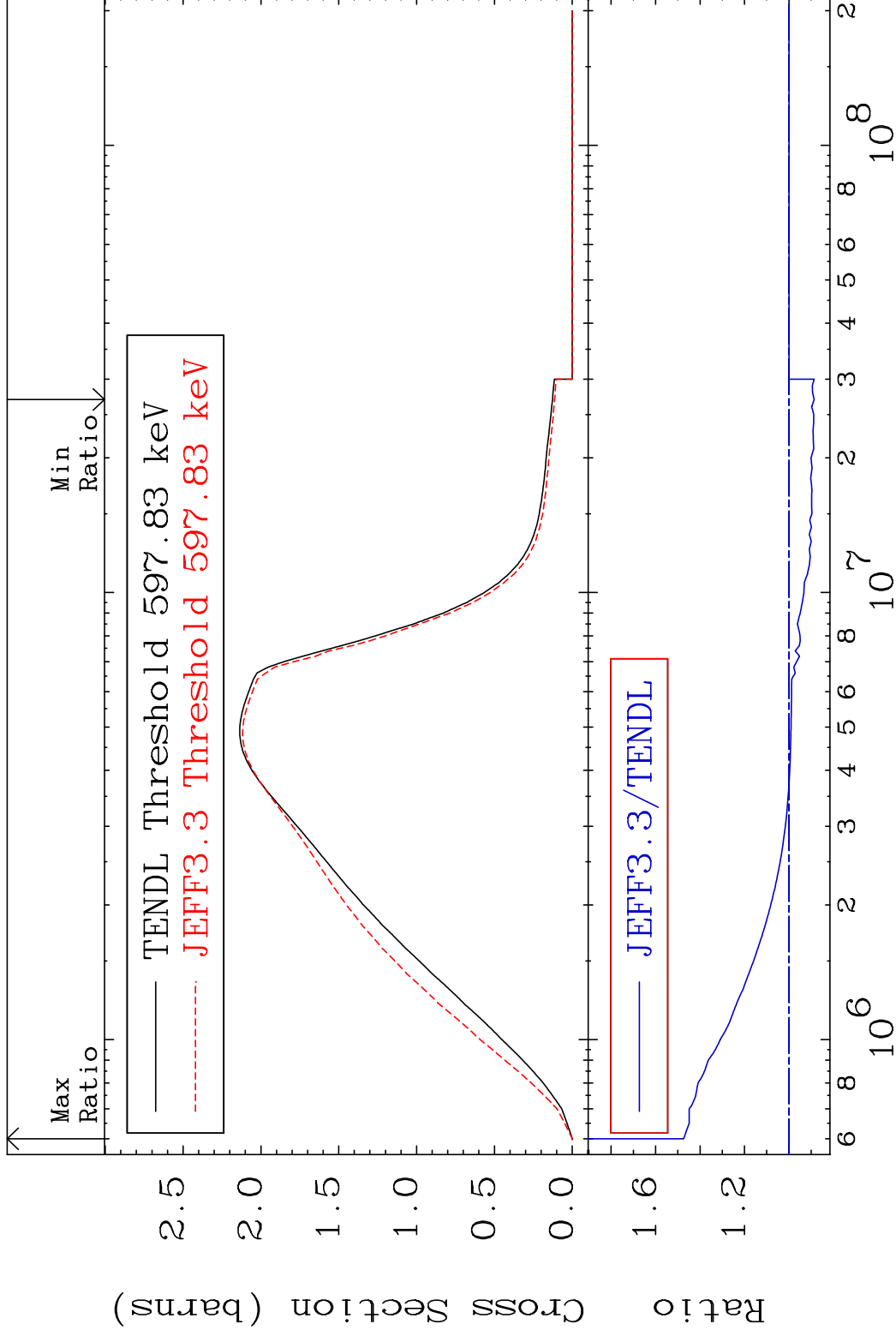
MAT 5134

(n,n') Continuum

51-Sb-124

Cross Section

-11.30 To 47.37 %



49

Incident Energy (eV)

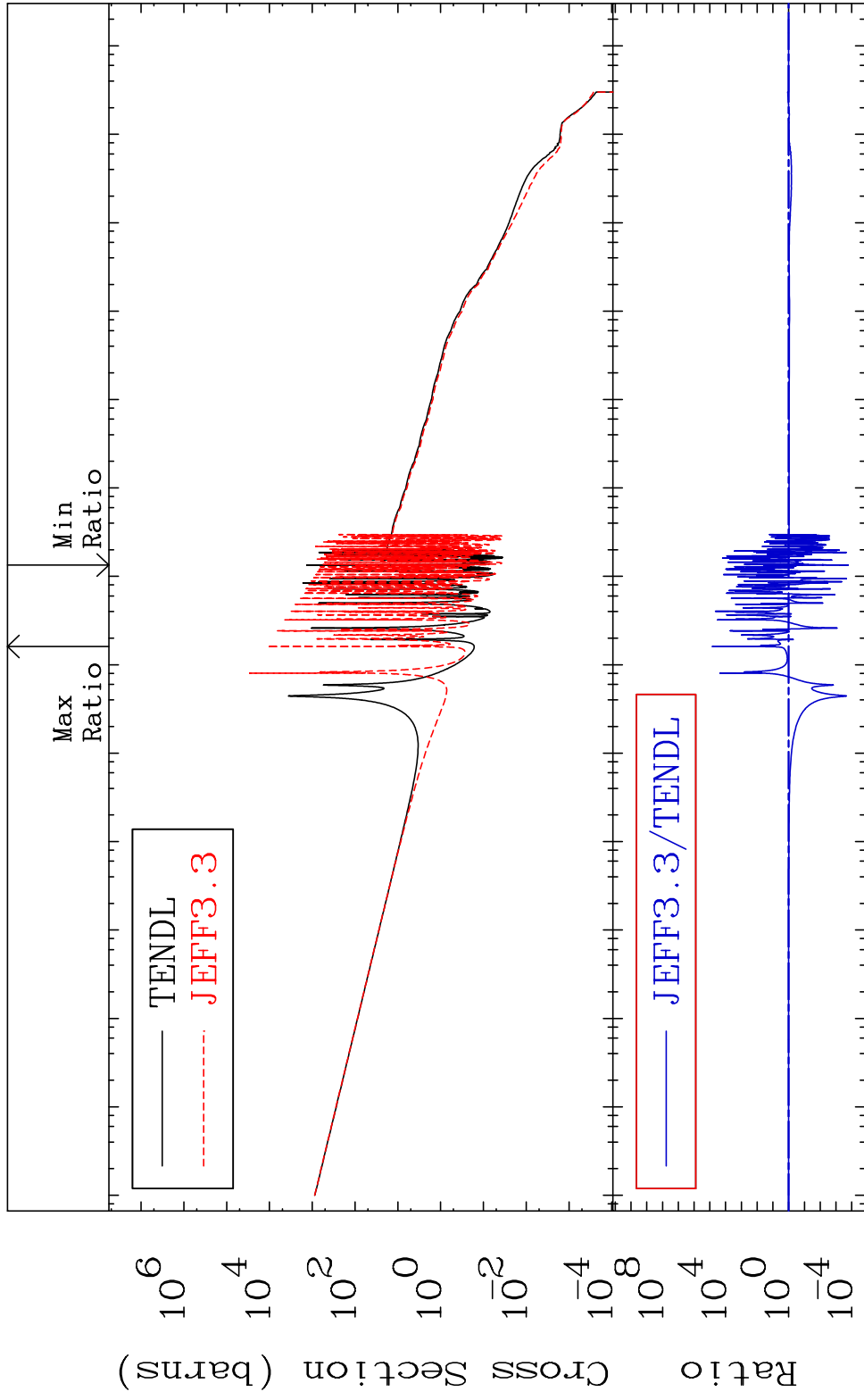
51-Sb-124

MAT 5134

(n,  $\gamma$ )

51-Sb-124

Cross Section -99.98 To 9999. %



50

Incident Energy (eV)

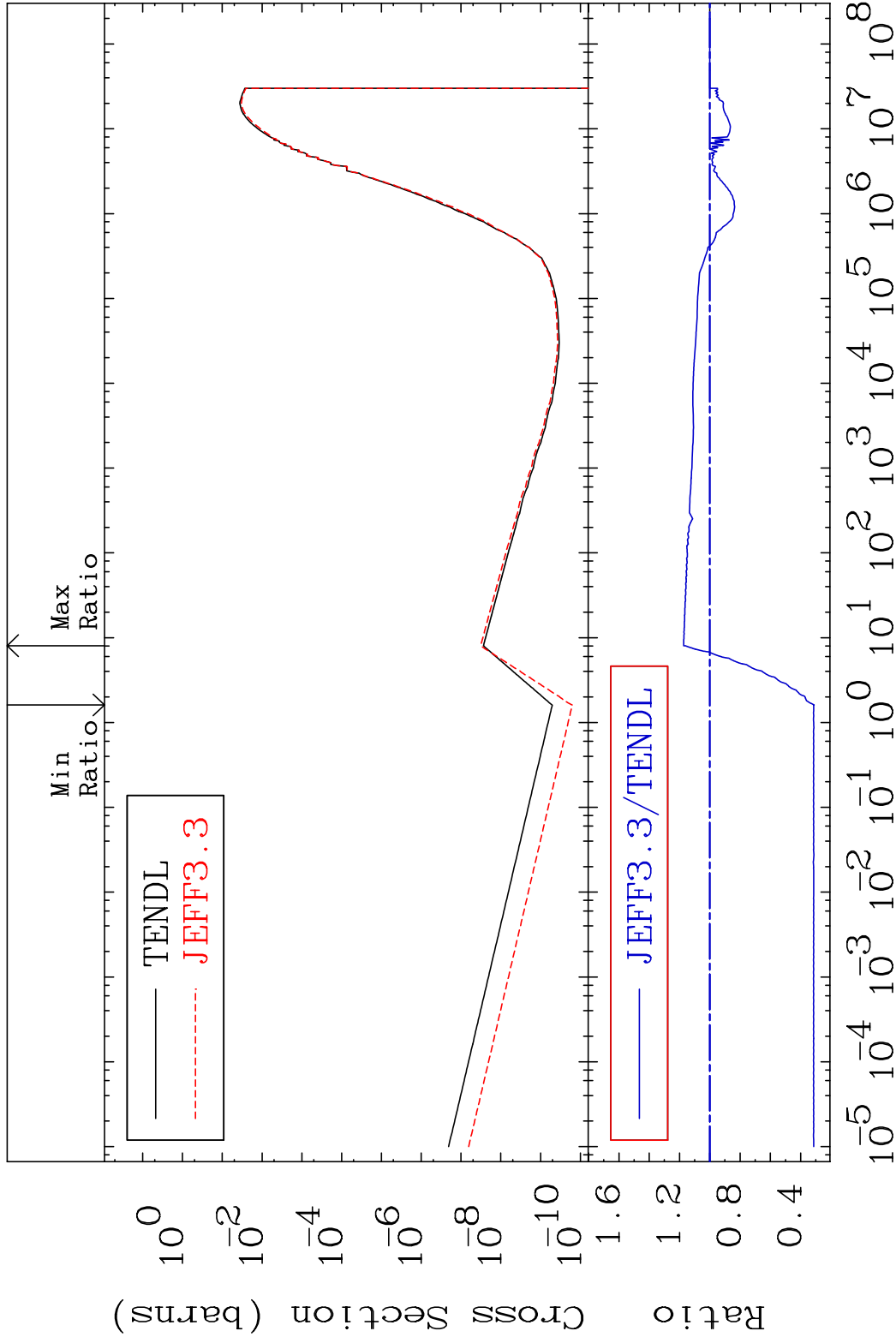
51-Sb-124

MAT 5134

(n, p)

51-Sb-124

Cross Section -68.89 To 17.25 %



51

Incident Energy (eV)

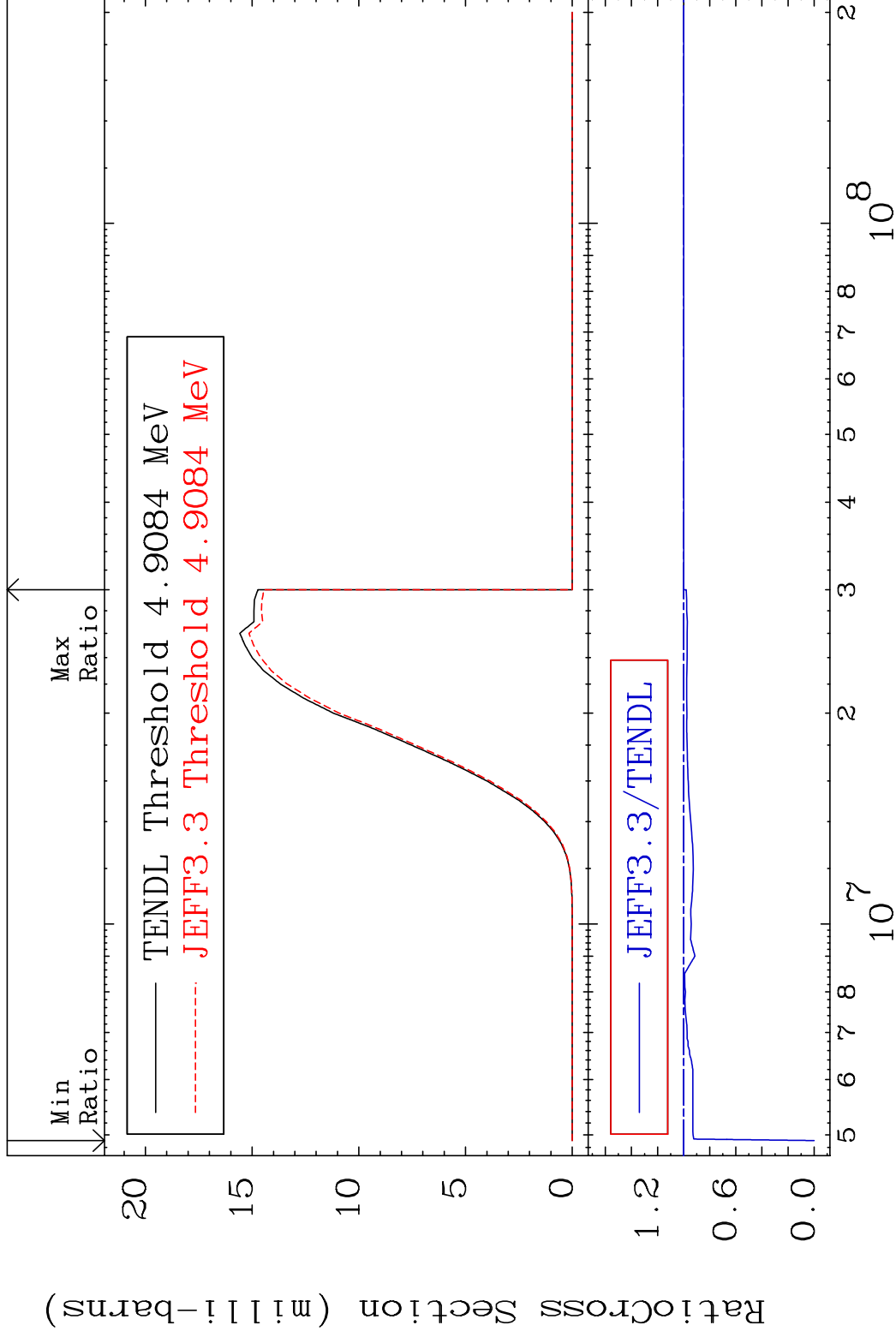
51-Sb-124

MAT 5134

(n, d)

51-Sb-124

Cross Section -100.0 To 0.000 %



52

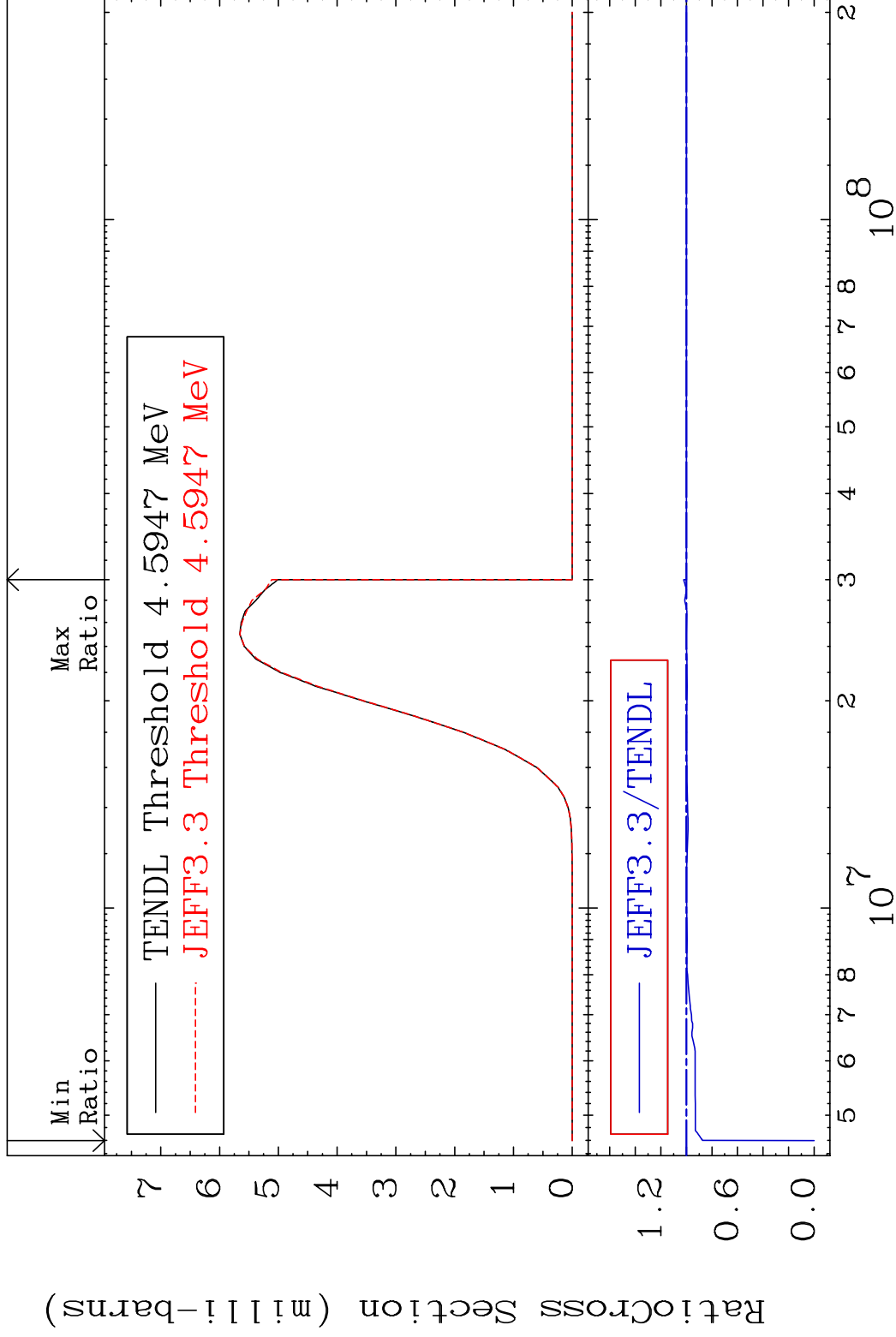
Incident Energy (eV)

51-Sb-124

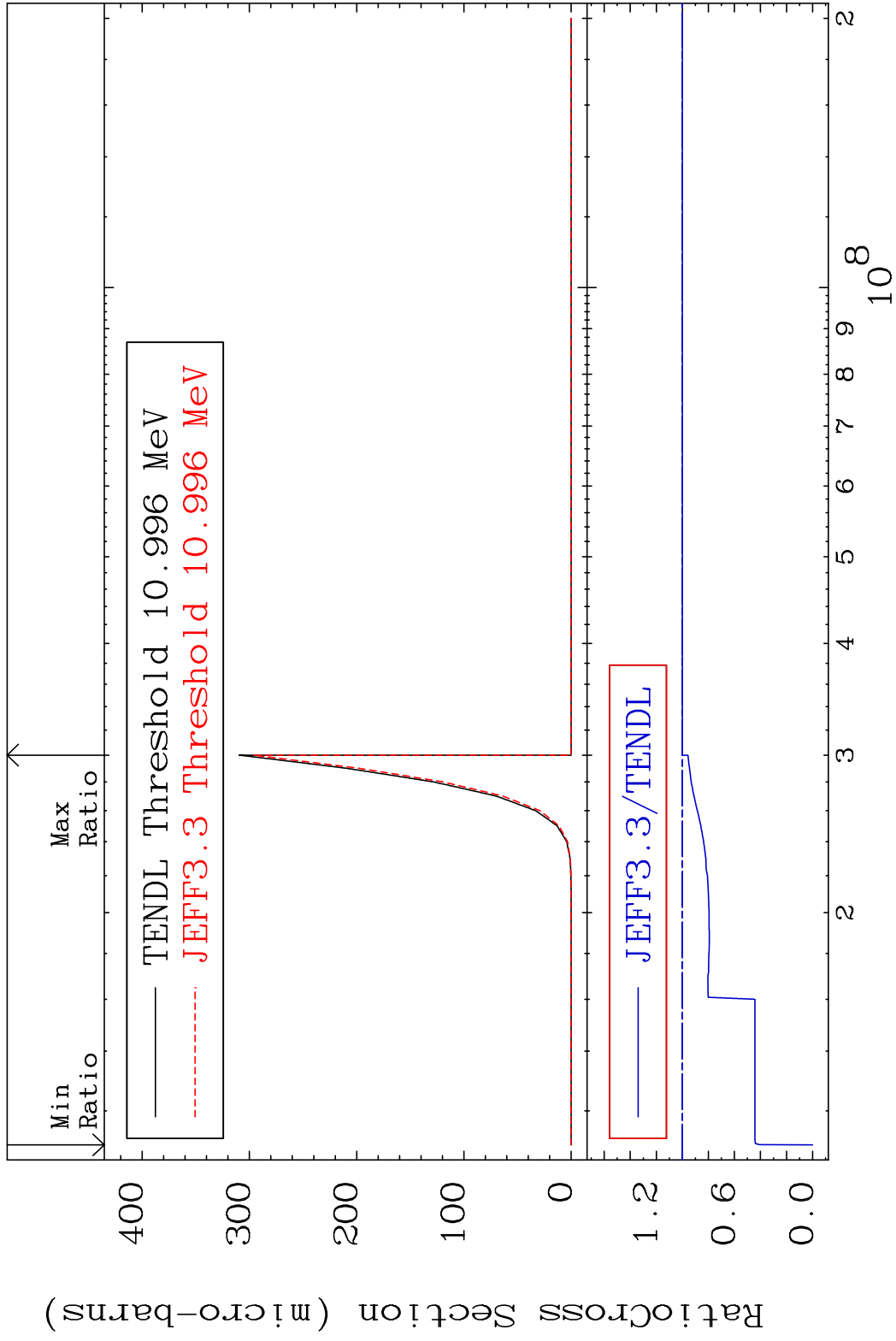
MAT 5134

(n, t) 51-Sb-124

Cross Section -100.0 To 2.122 %



Cross Section -100.0 To 0.000 %

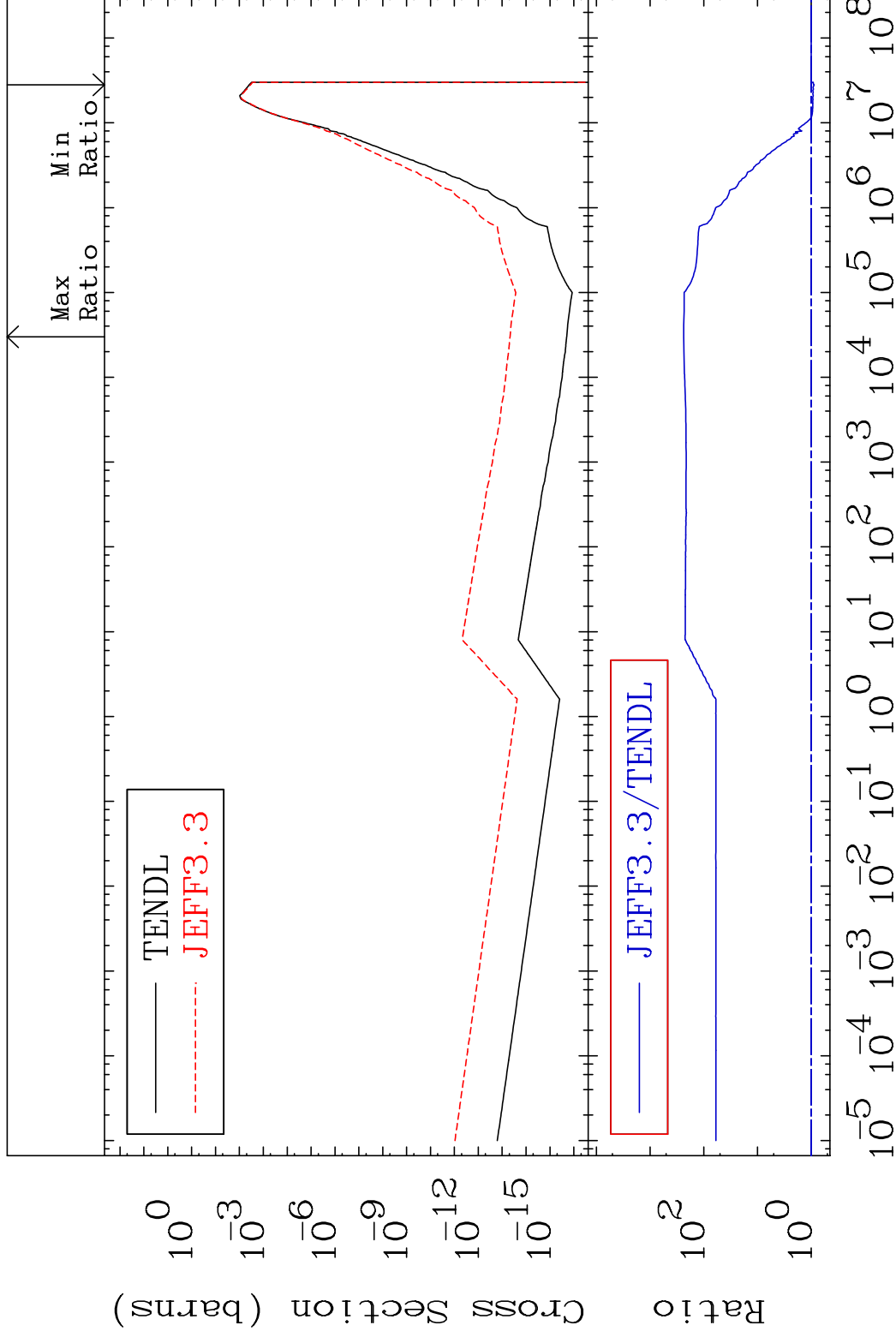


MAT 5134

(n,  $\alpha$ )

51-Sb-124

Cross Section -11.89 To 9999. %



55

Incident Energy (eV)

51-Sb-124

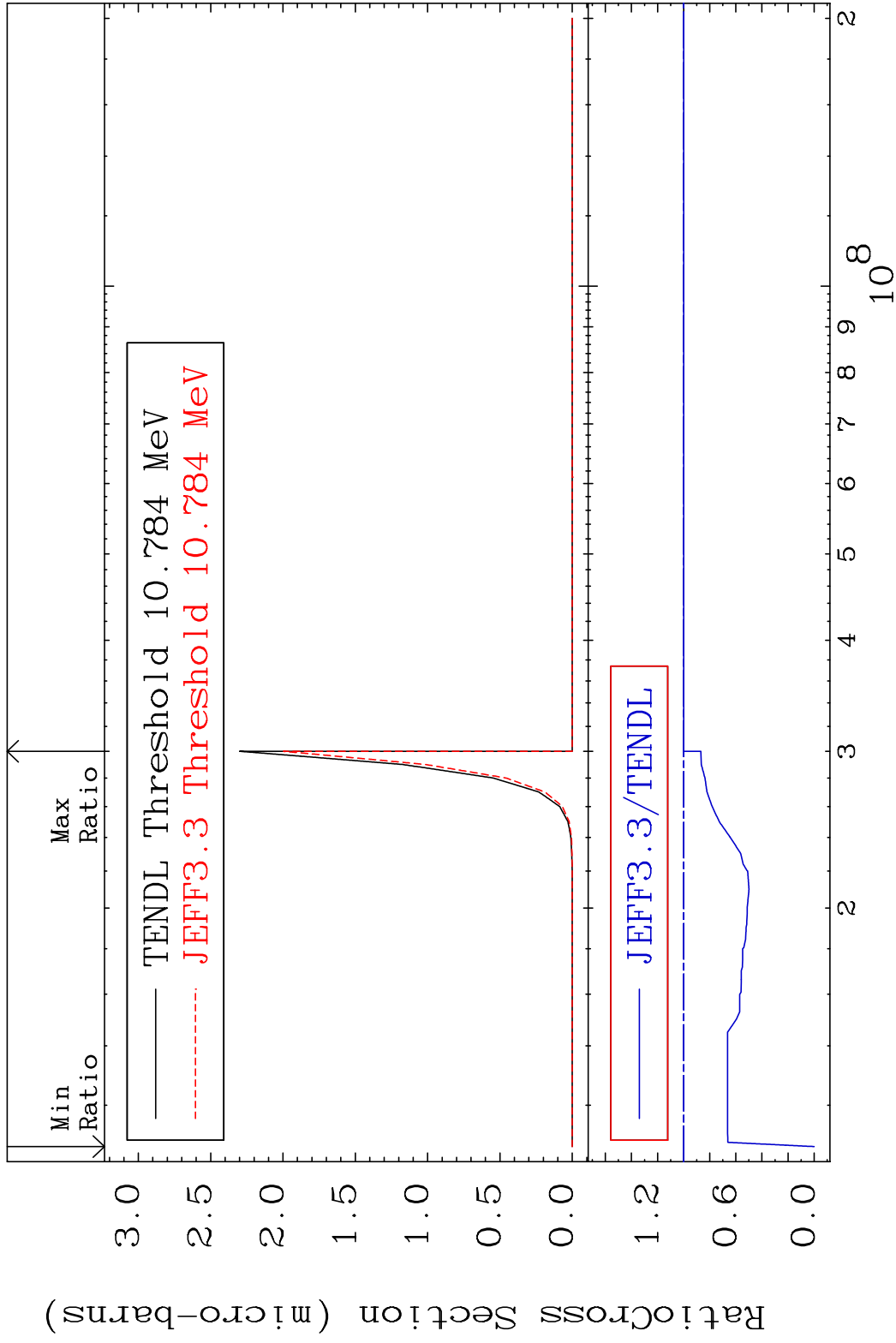


MAT 5134

(n,2p)

51-Sb-124

Cross Section -100.0 To 0.000 %



56

Incident Energy (eV)

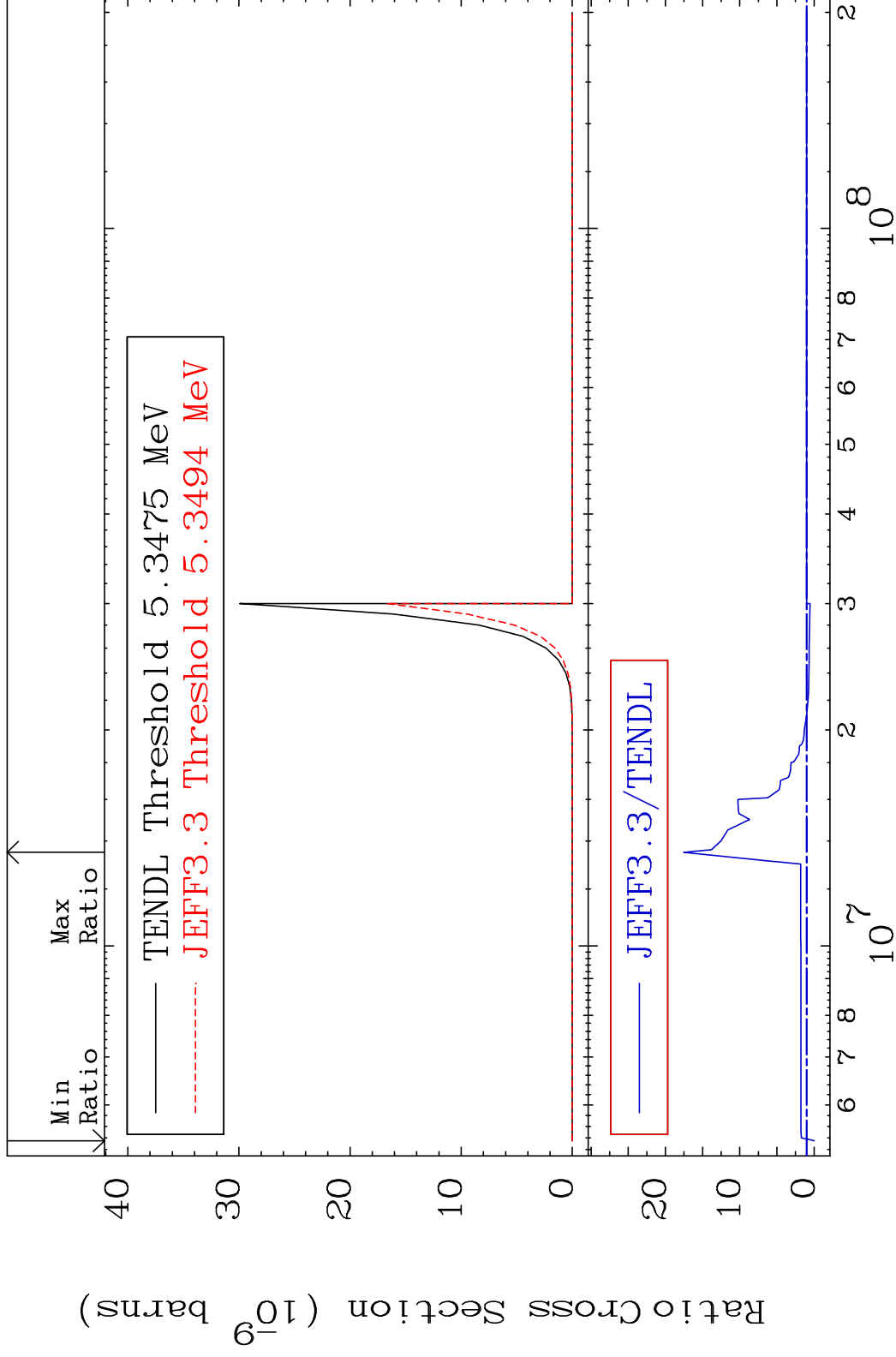
51-Sb-124

MAT 5134

(n,p)  $\alpha$

51-Sb-124

Cross Section -100.0 To 1655. %



57

Incident Energy (eV)

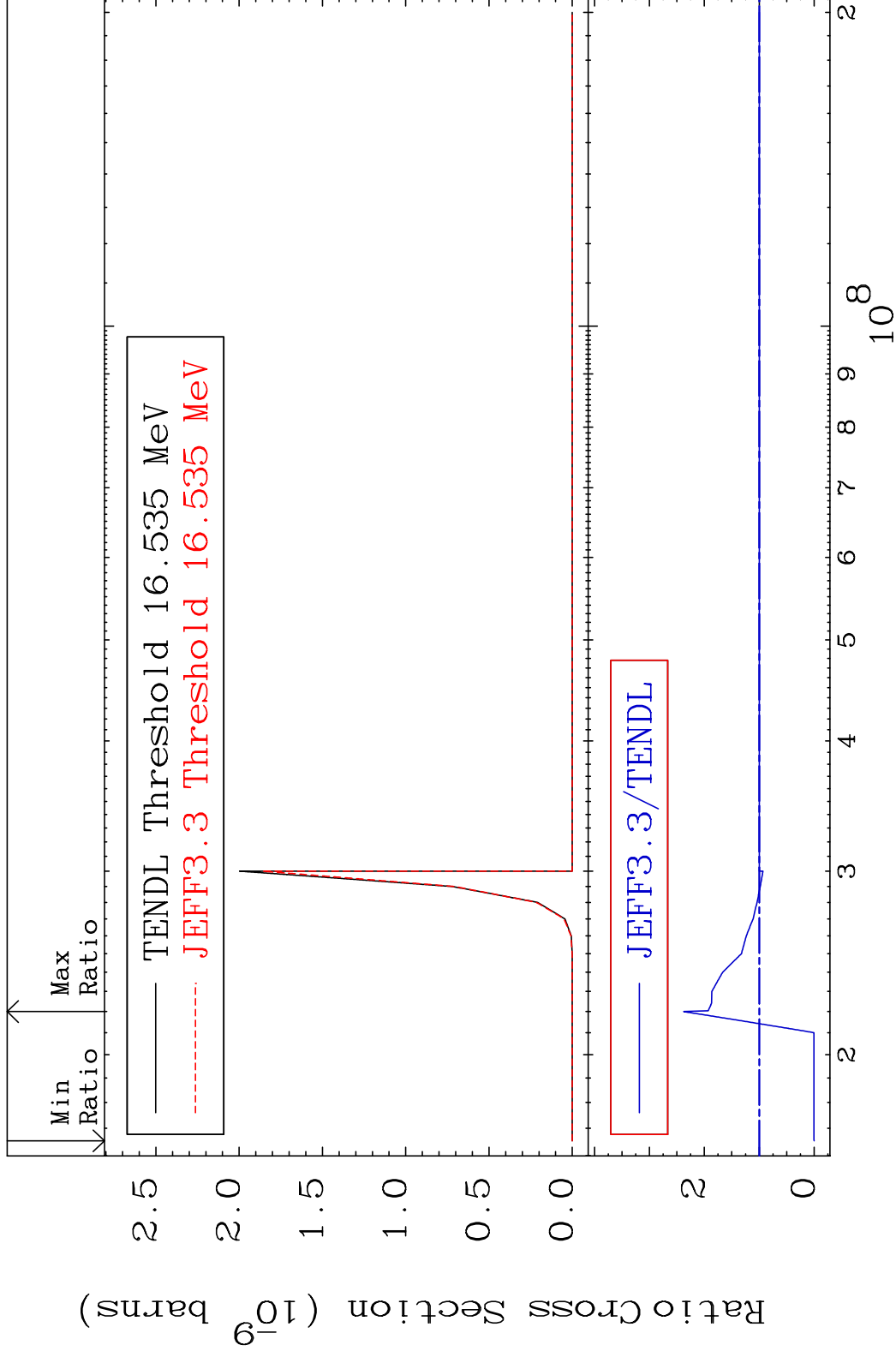
51-Sb-124

MAT 5134

(n,p) d

51-Sb-124

Cross Section -100.0 To 137.7 %



58

Incident Energy (eV)

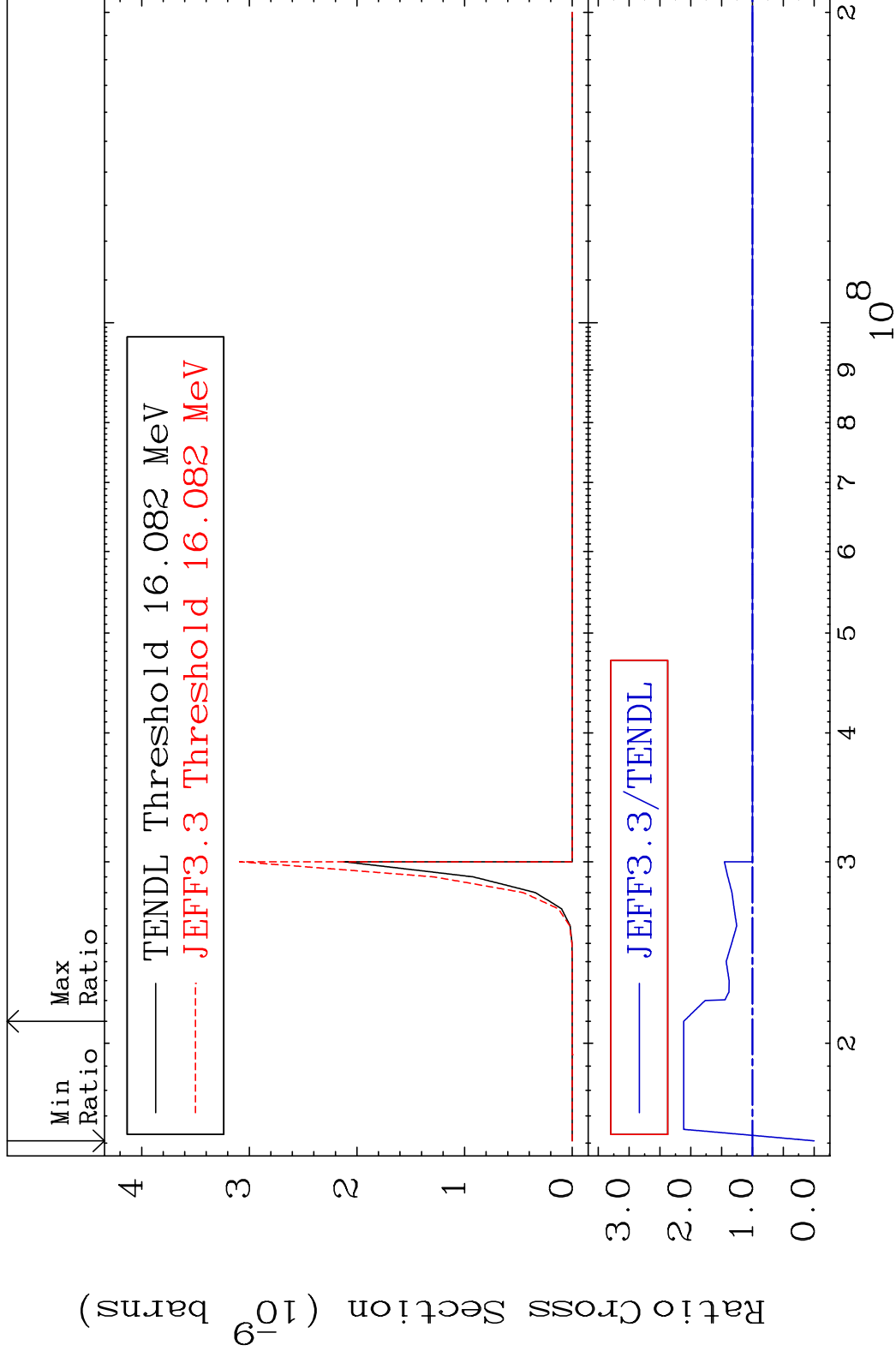
51-Sb-124

MAT 5134

(n,p) t

51-Sb-124

Cross Section -100.0 To 111.5 %



59

Incident Energy (eV)

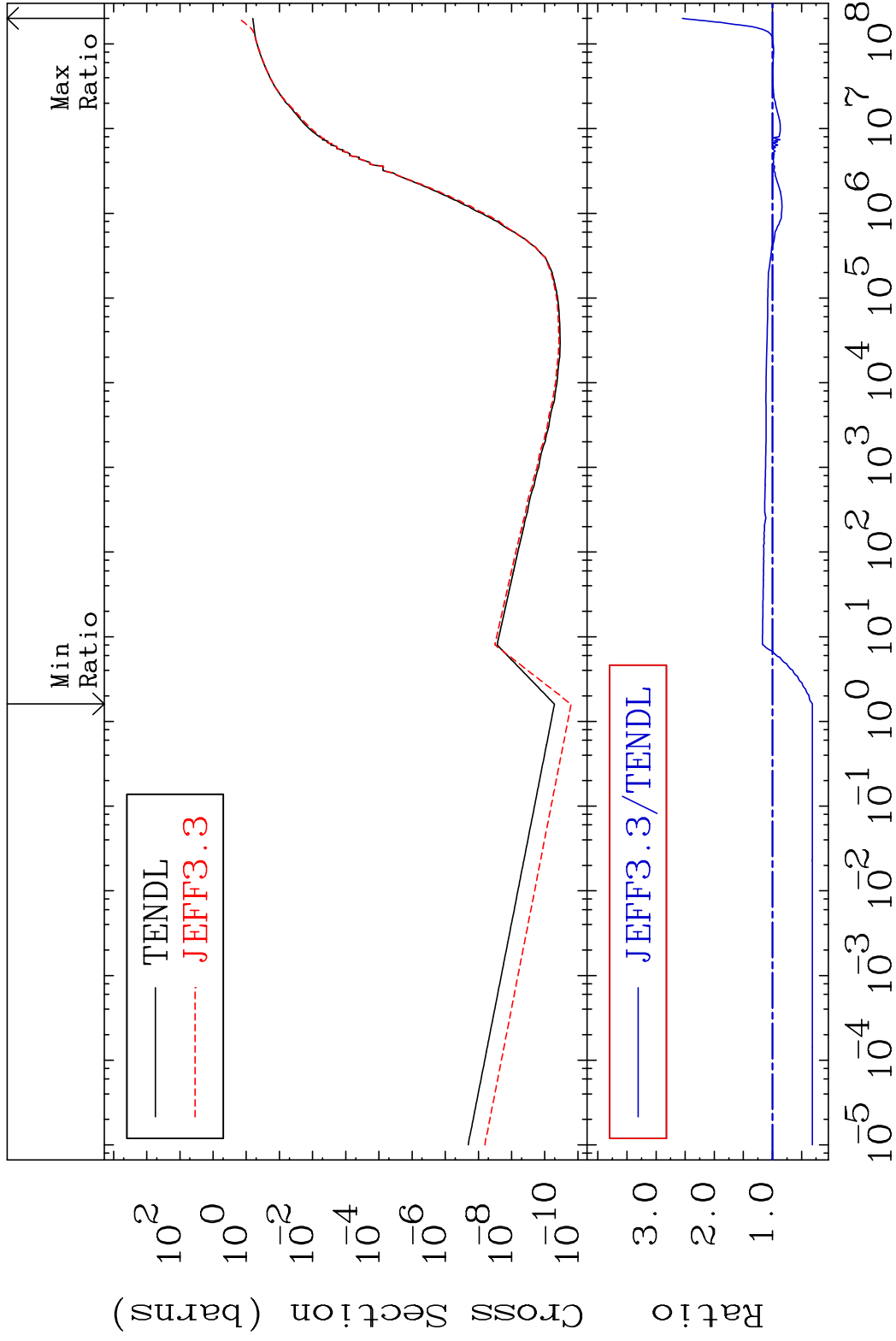
51-Sb-124

MAT 5134

Hydrogen Production

51-Sb-124

Cross Section -68.89 To 154.8 %



60

Incident Energy (eV)

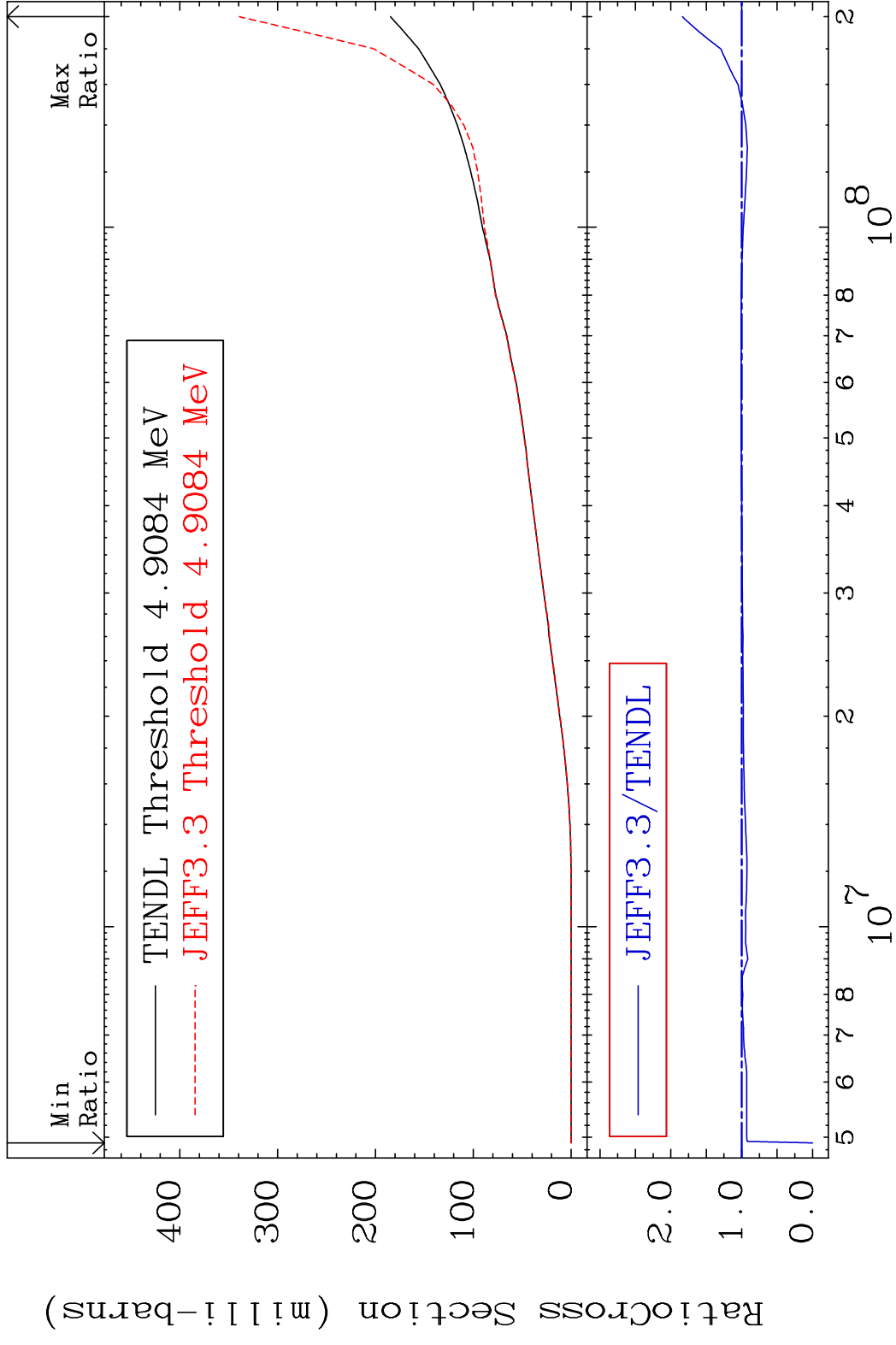
51-Sb-124

MAT 5134

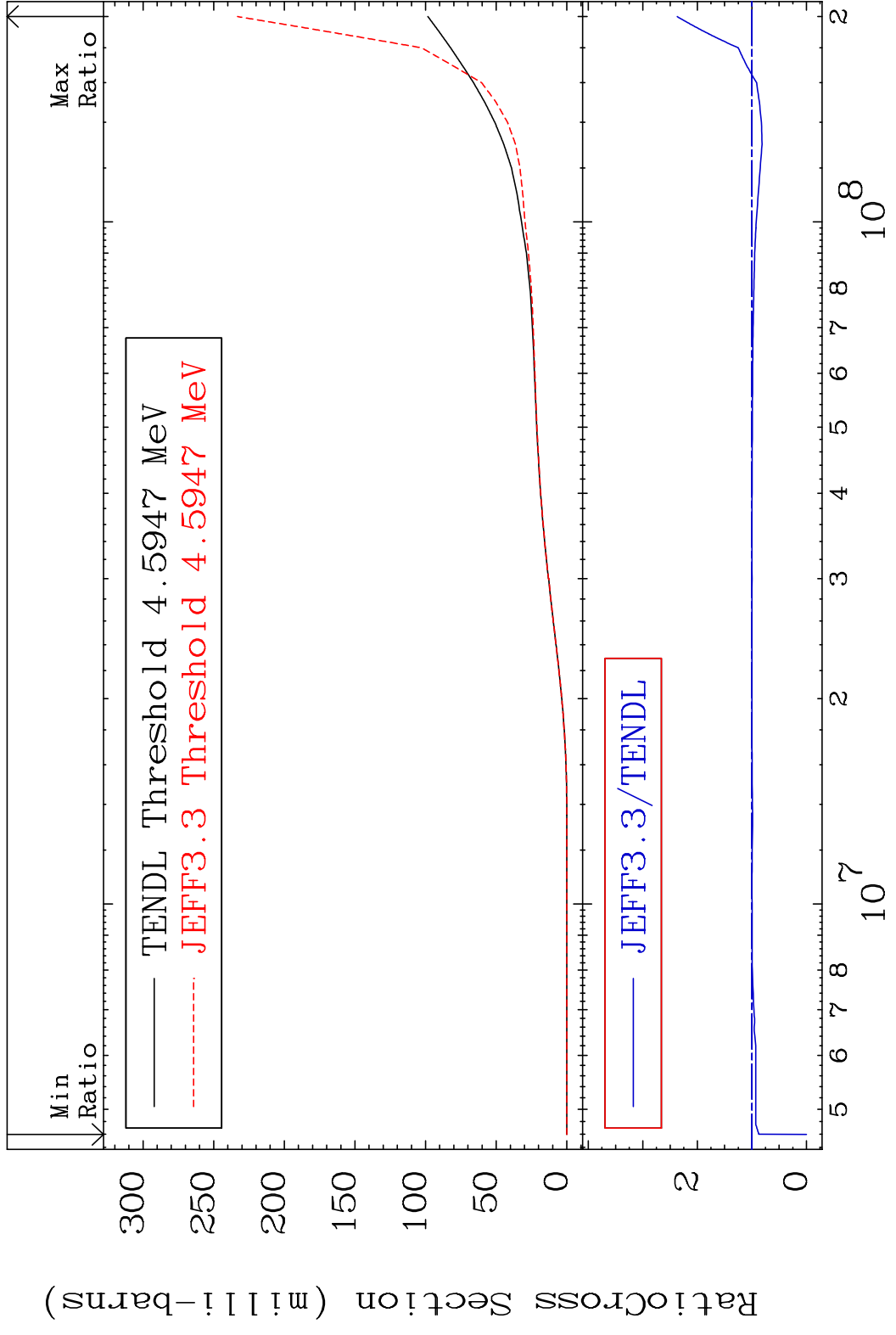
Deuterium Production

51-Sb-124

Cross Section -100.0 To 83.75 %



MAT 5134 Tritium Production 51-Sb-124  
 Cross Section -100.0 To 137.0 %

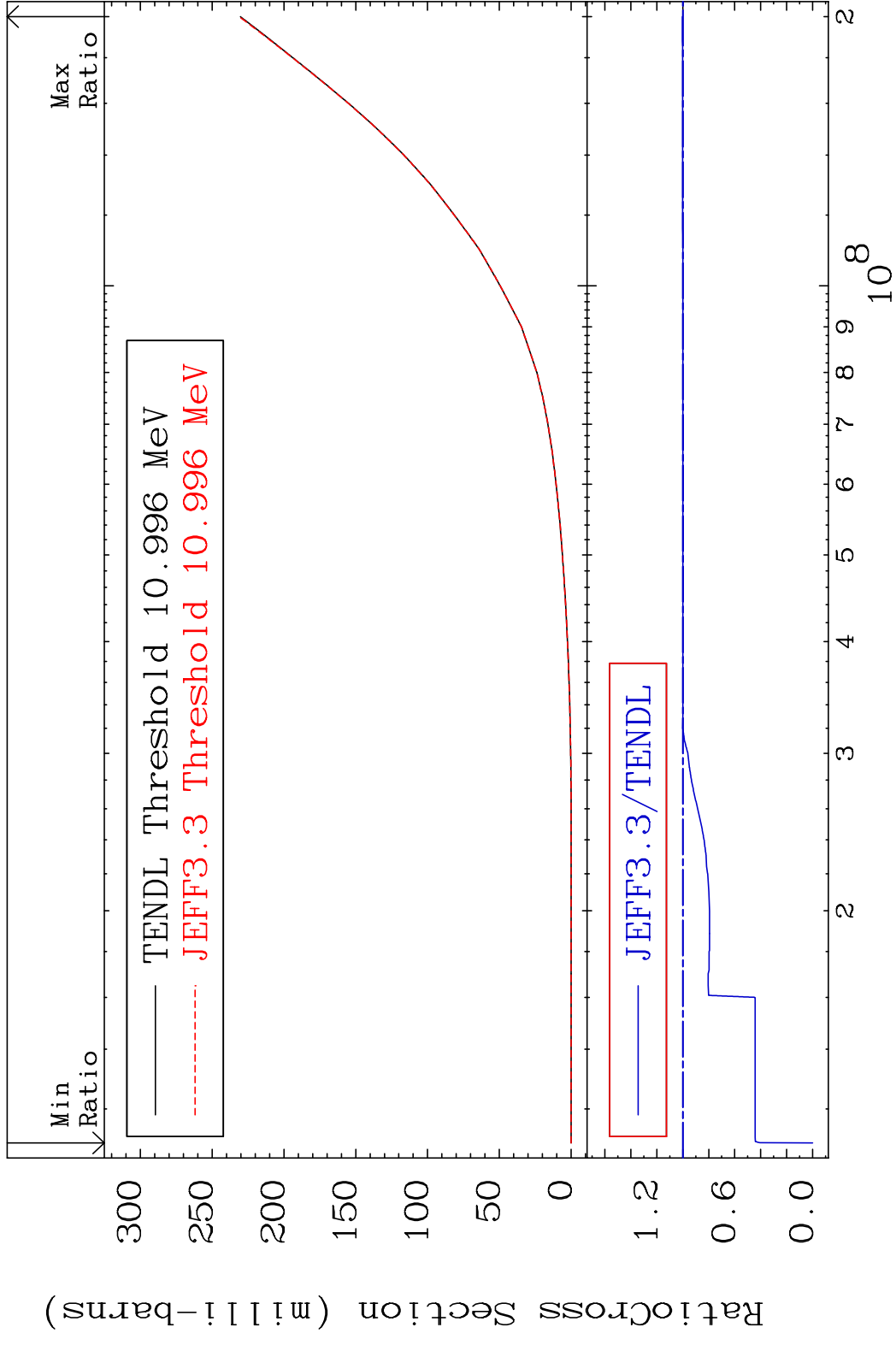


MAT 5134

He-3 Production

51-Sb-124

Cross Section -100.0 To 0.343 %



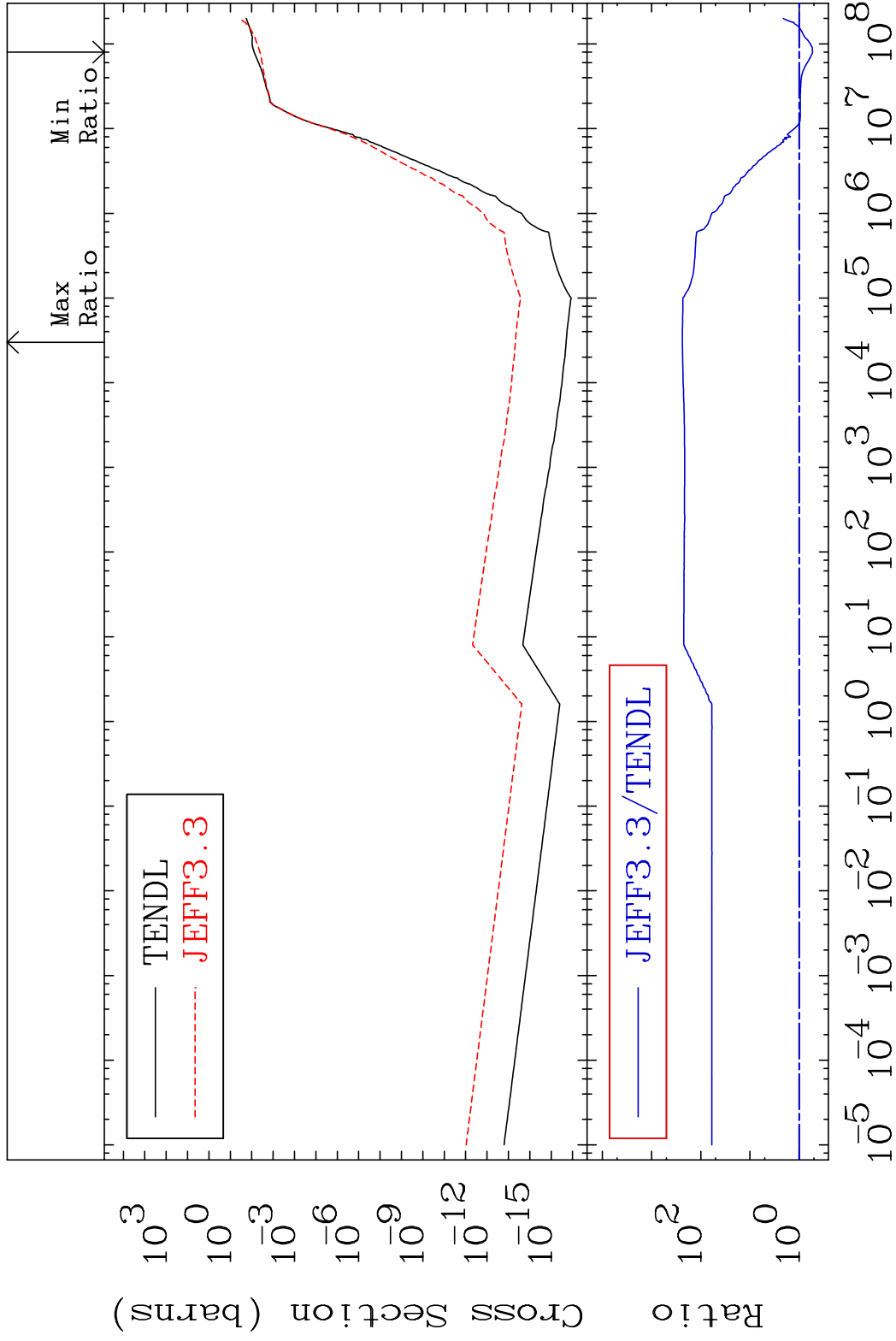


MAT 5134

He-4 Production

51-Sb-124

Cross Section -46.73 To 9999. %



64

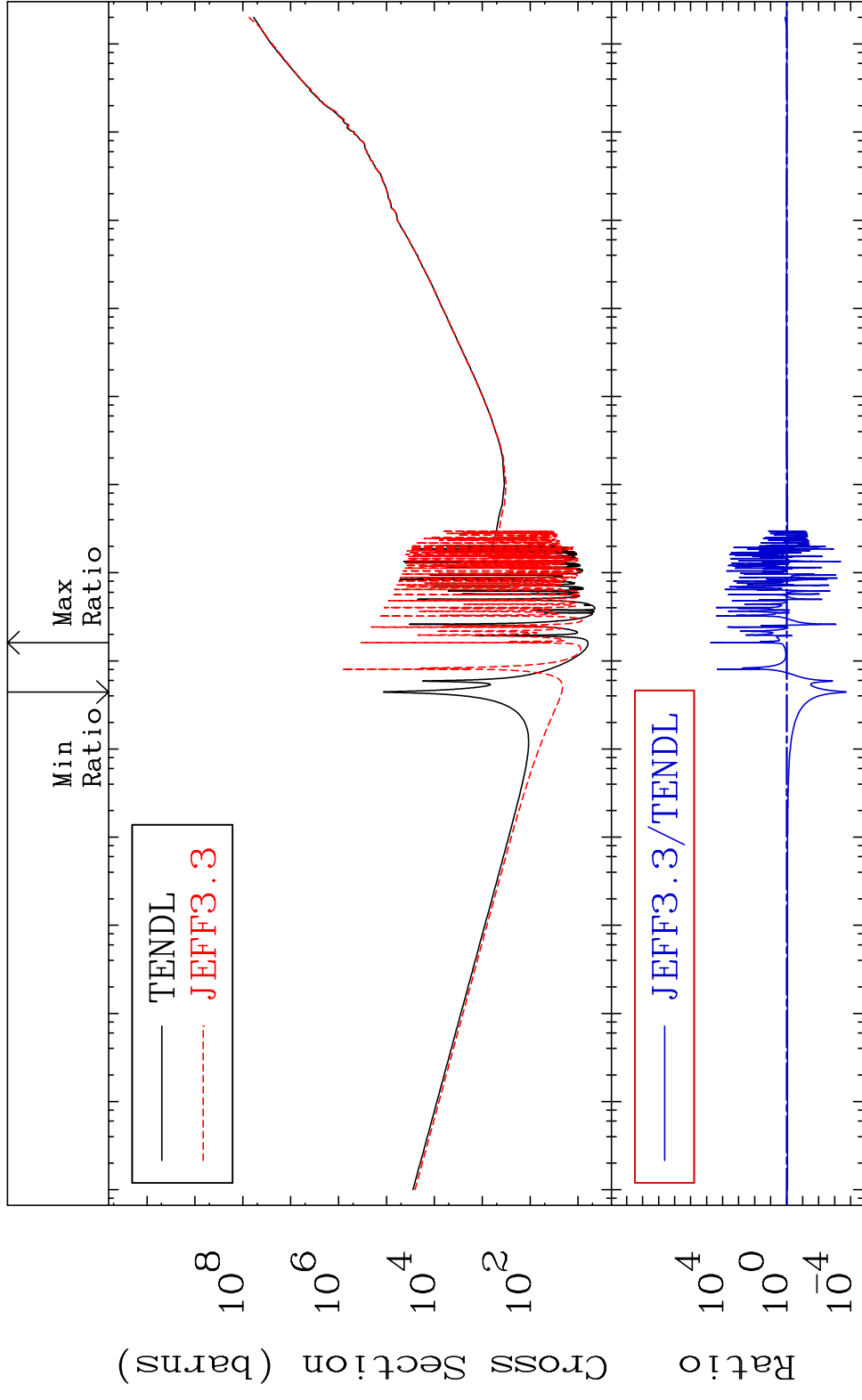
Incident Energy (eV)

51-Sb-124

MAT 5134

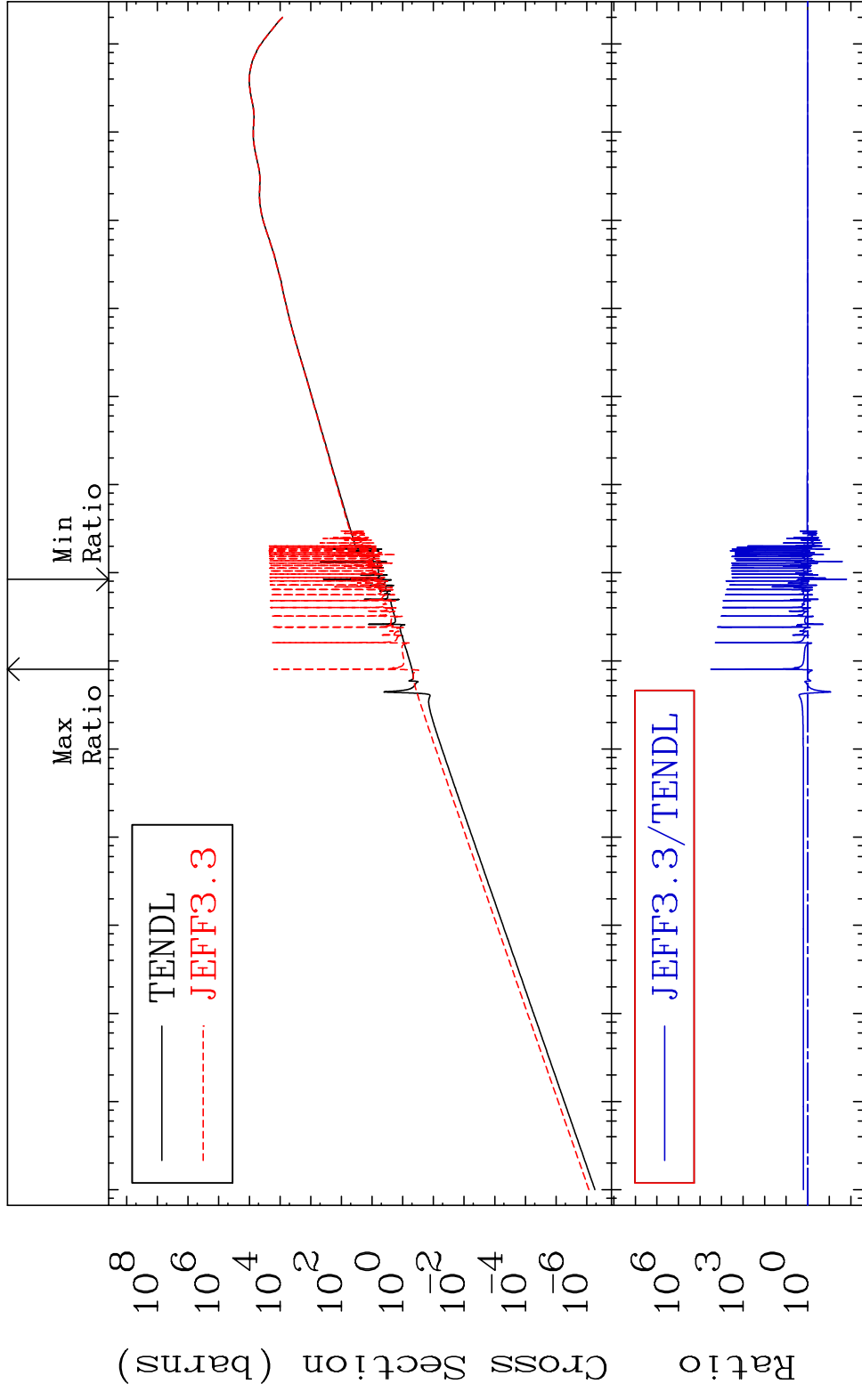
Kerma total (eV-barns) 51-Sb-124

Cross Section -99.98 To 9999. %

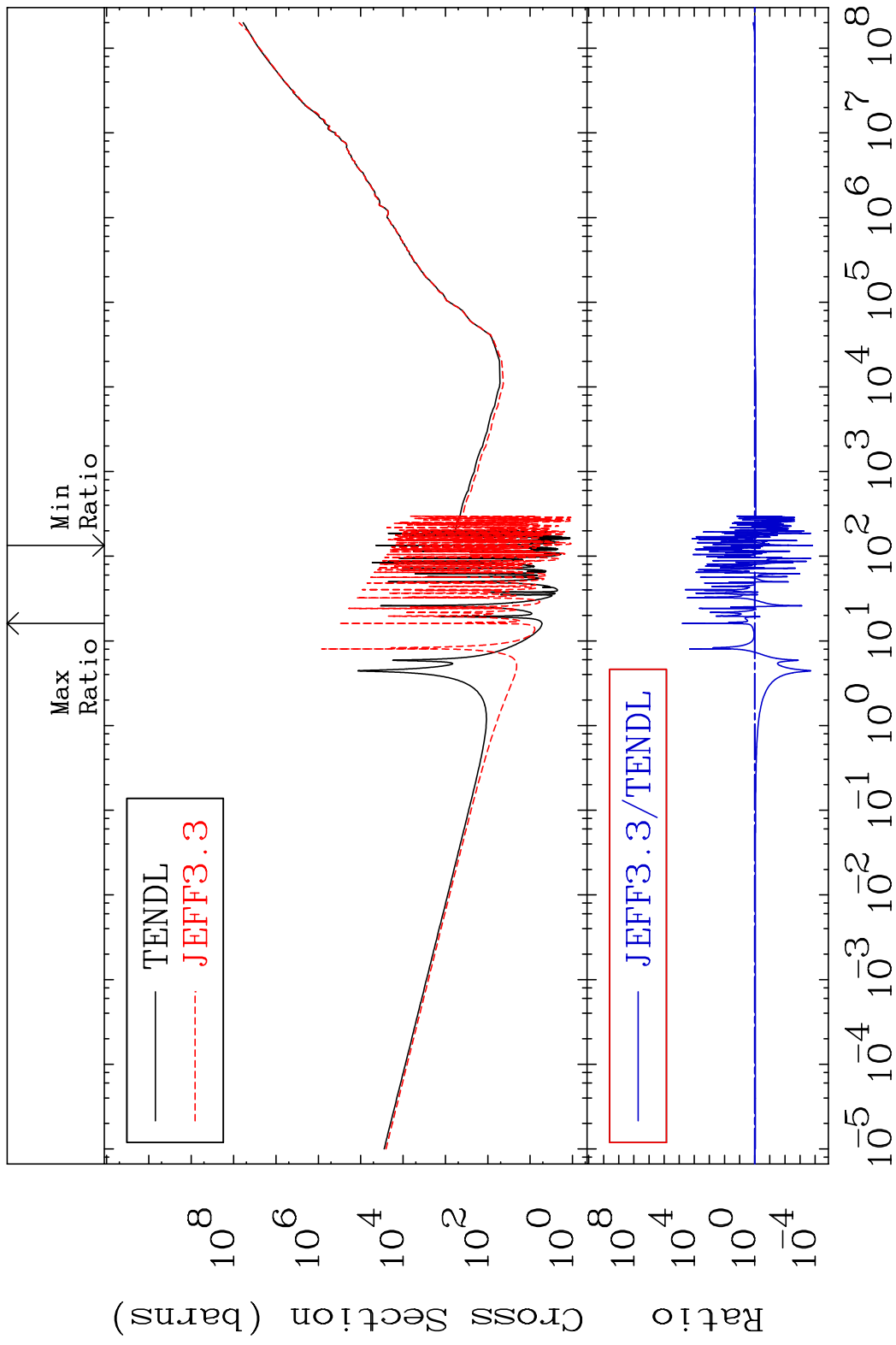


MAT 5134

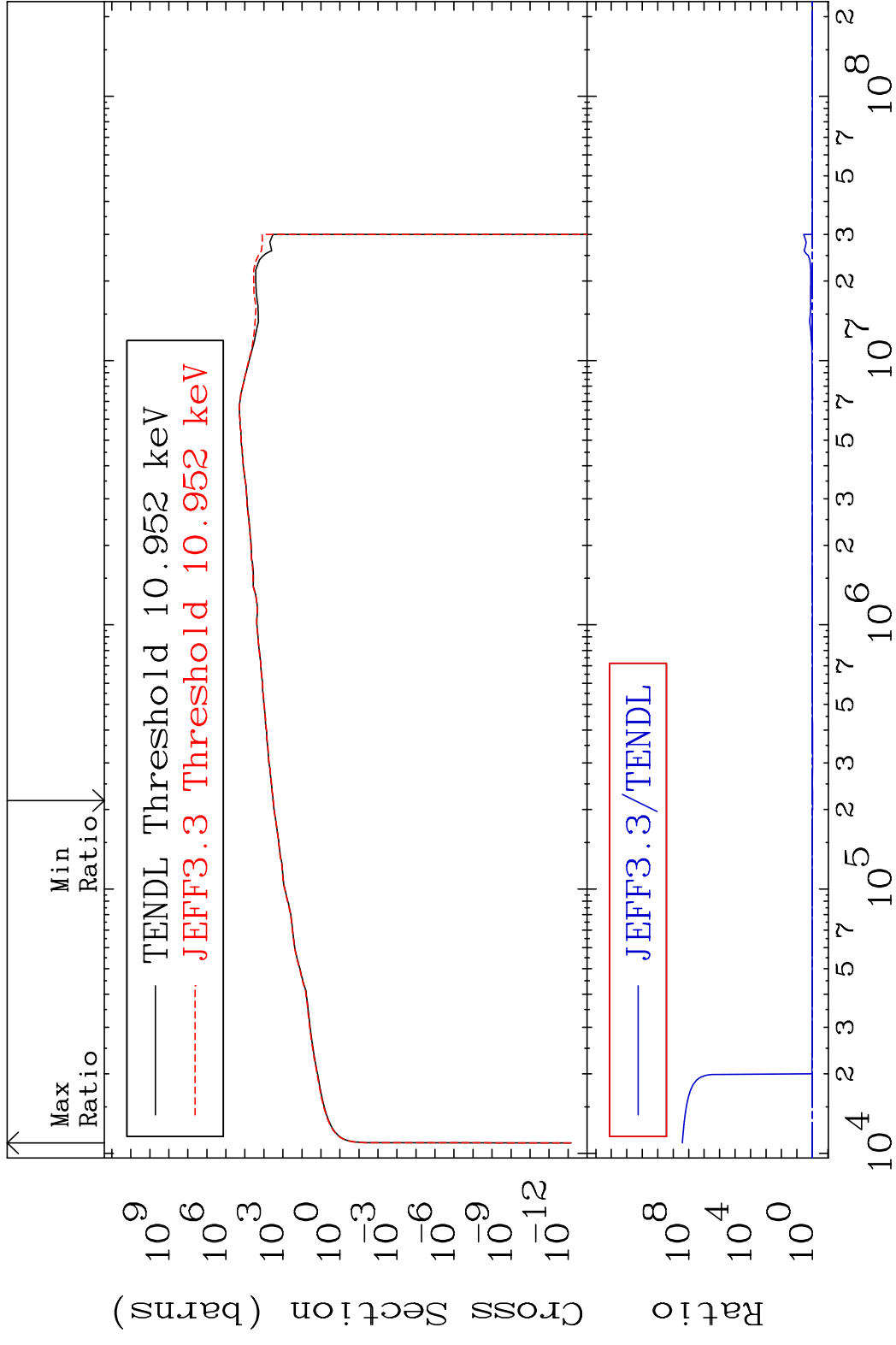
Kerma elastic Cross Section -98.39 %  
51-Sb-124 To 9999. %



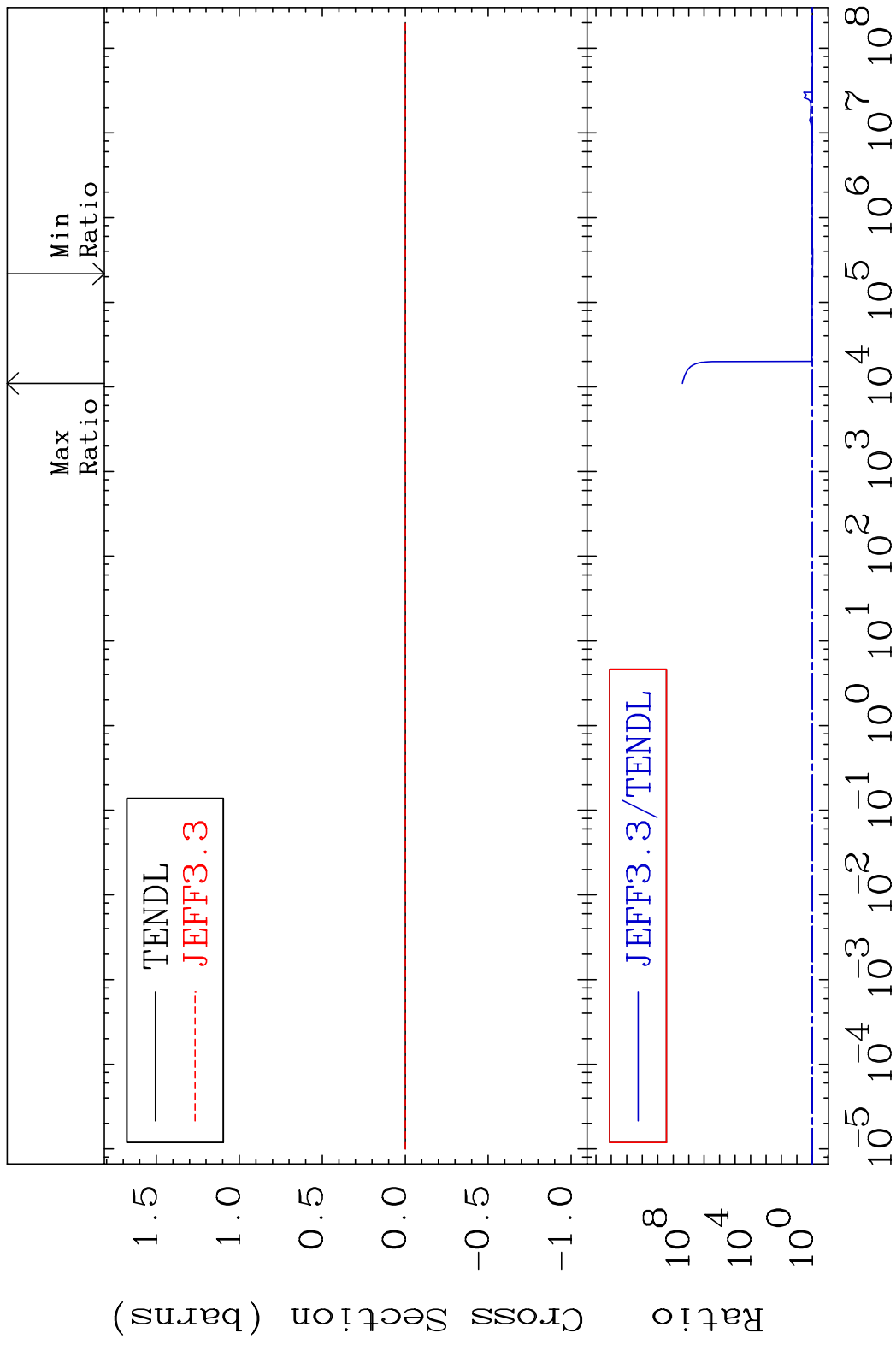
MAT 5134 Kerma non-elastic (all but mt2) 51-Sb-124  
 Cross Section -99.99 To 9999. %



MAT 5134 Kerma inelastic (mt51-91) 51-Sb-124  
 Cross Section -2.330 To 9999. %



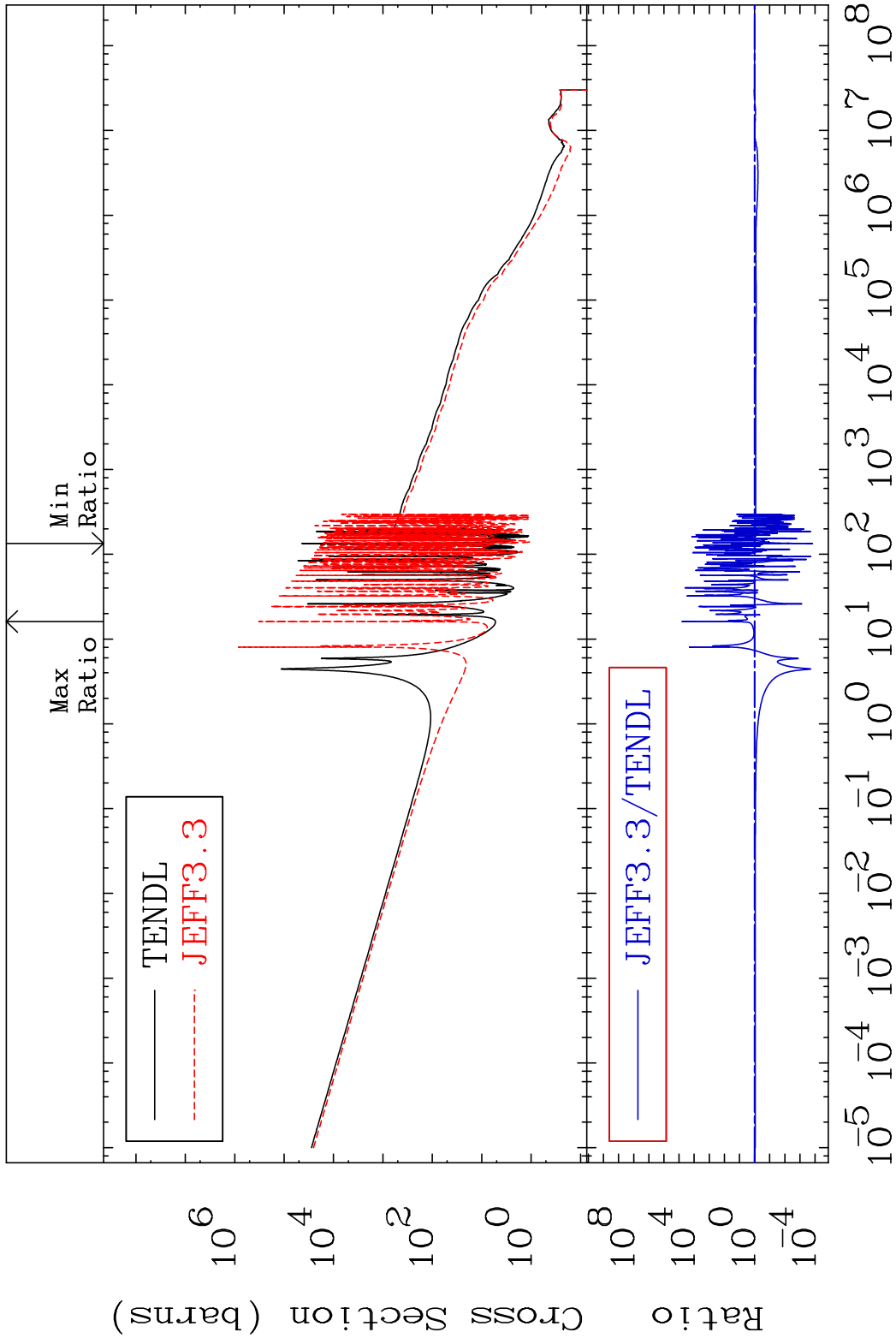
MAT 5134 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-124  
 Cross Section -2.330 To 9999. %



MAT 5134

Kerma capture (mt102) 51-Sb-124

Cross Section -99.99 To 9999. %

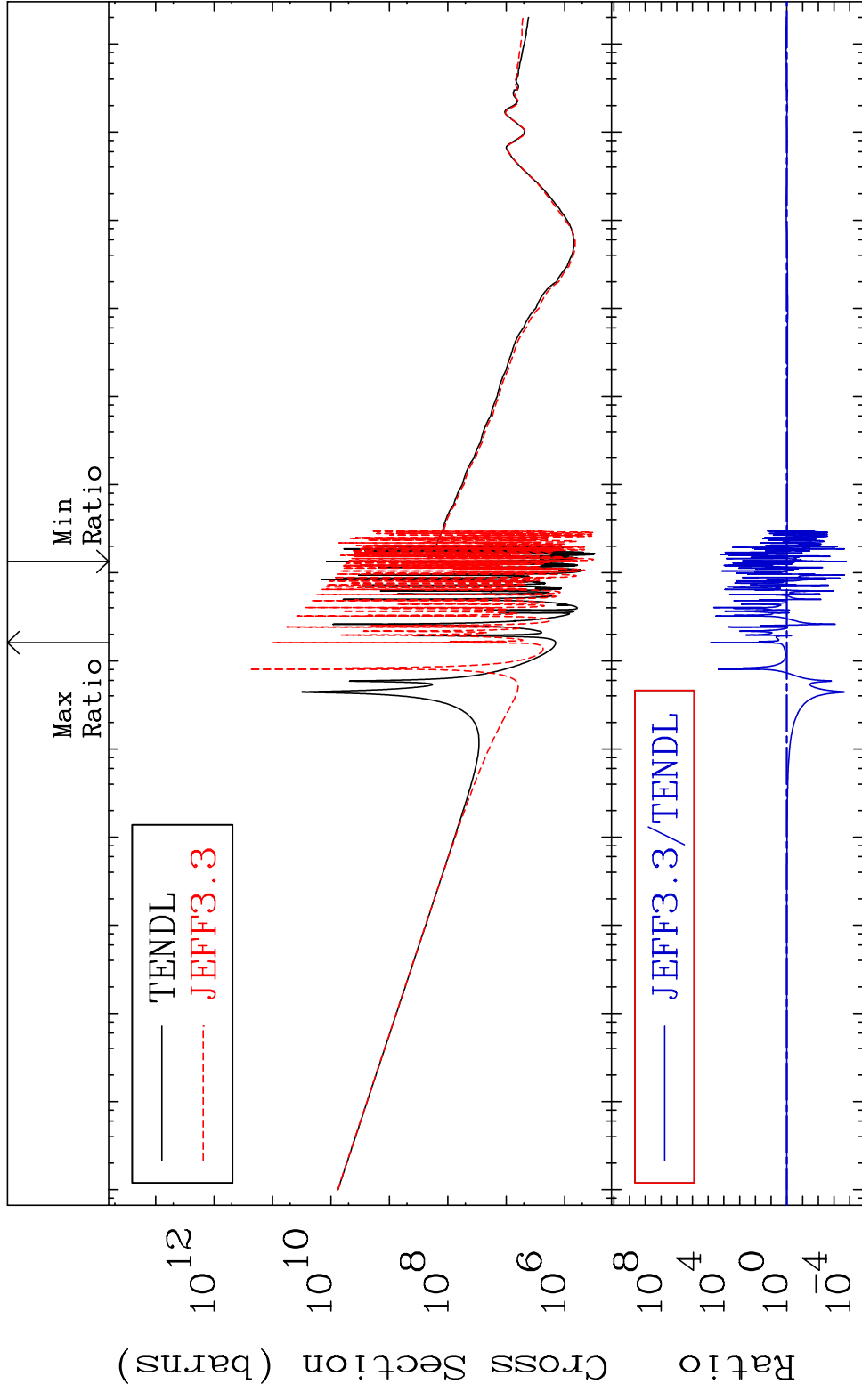


70

Incident Energy (eV)

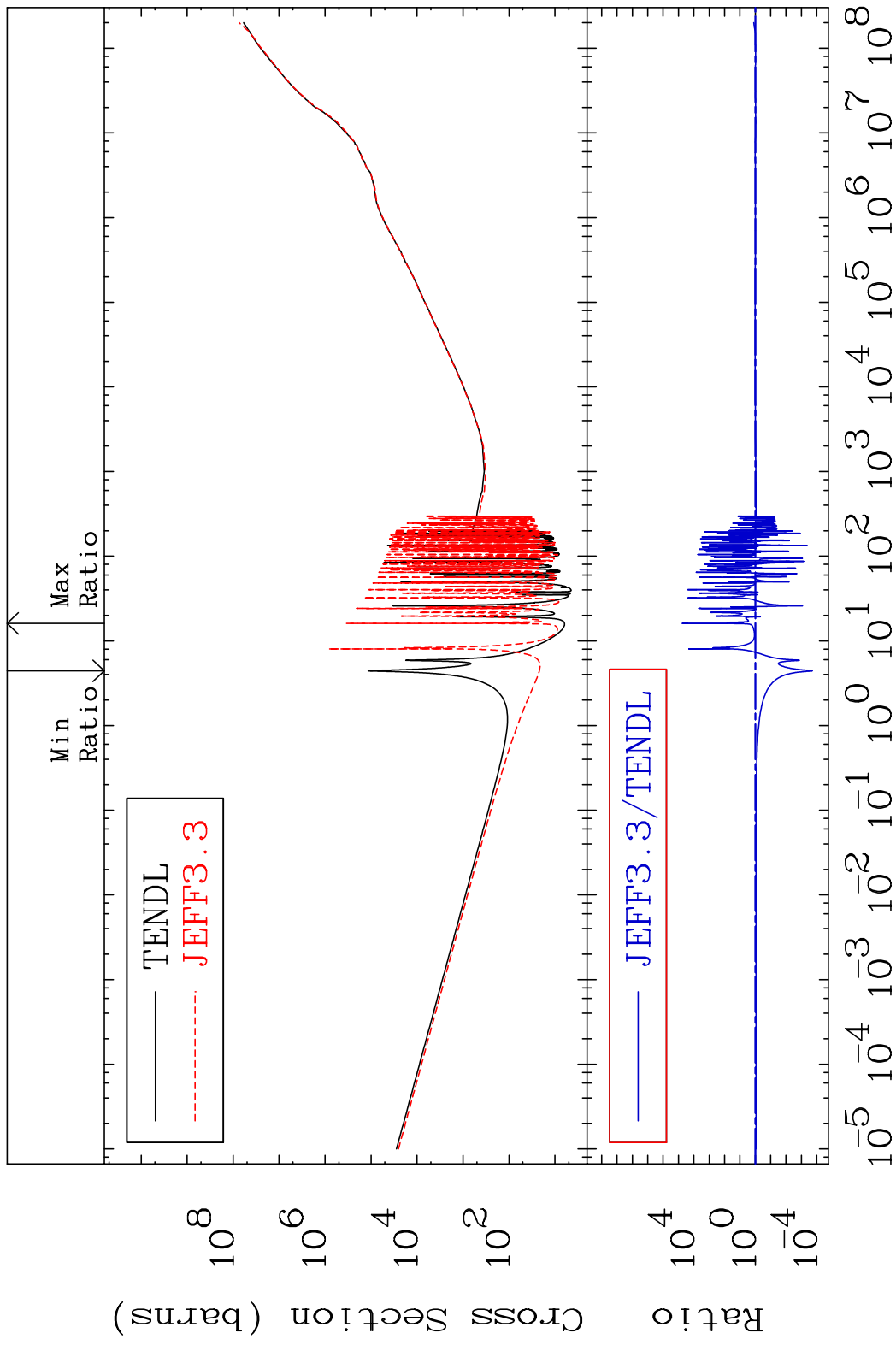
51-Sb-124

MAT 5134 Total photon (eV-barns) 51-Sb-124  
 Cross Section -99.98 To 9999. %





MAT 5134 Total kinematic kerma (high limit) 51-Sb-124  
 Cross Section -99.98 To 9999. %

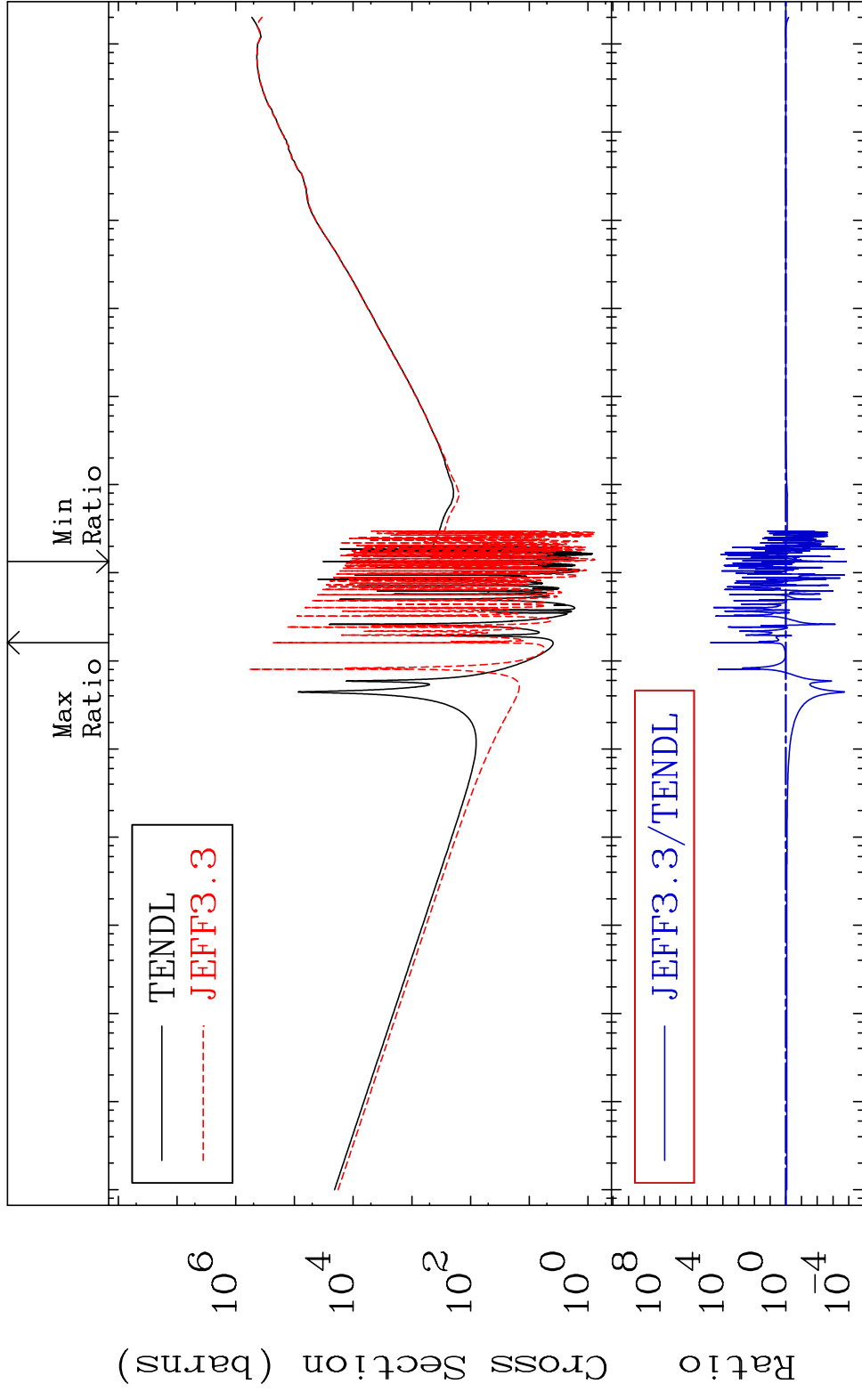


MAT 5134

Dpa total (eV-barns)

51-Sb-124

Cross Section -99.99 To 9999. %



73

Incident Energy (eV)

51-Sb-124

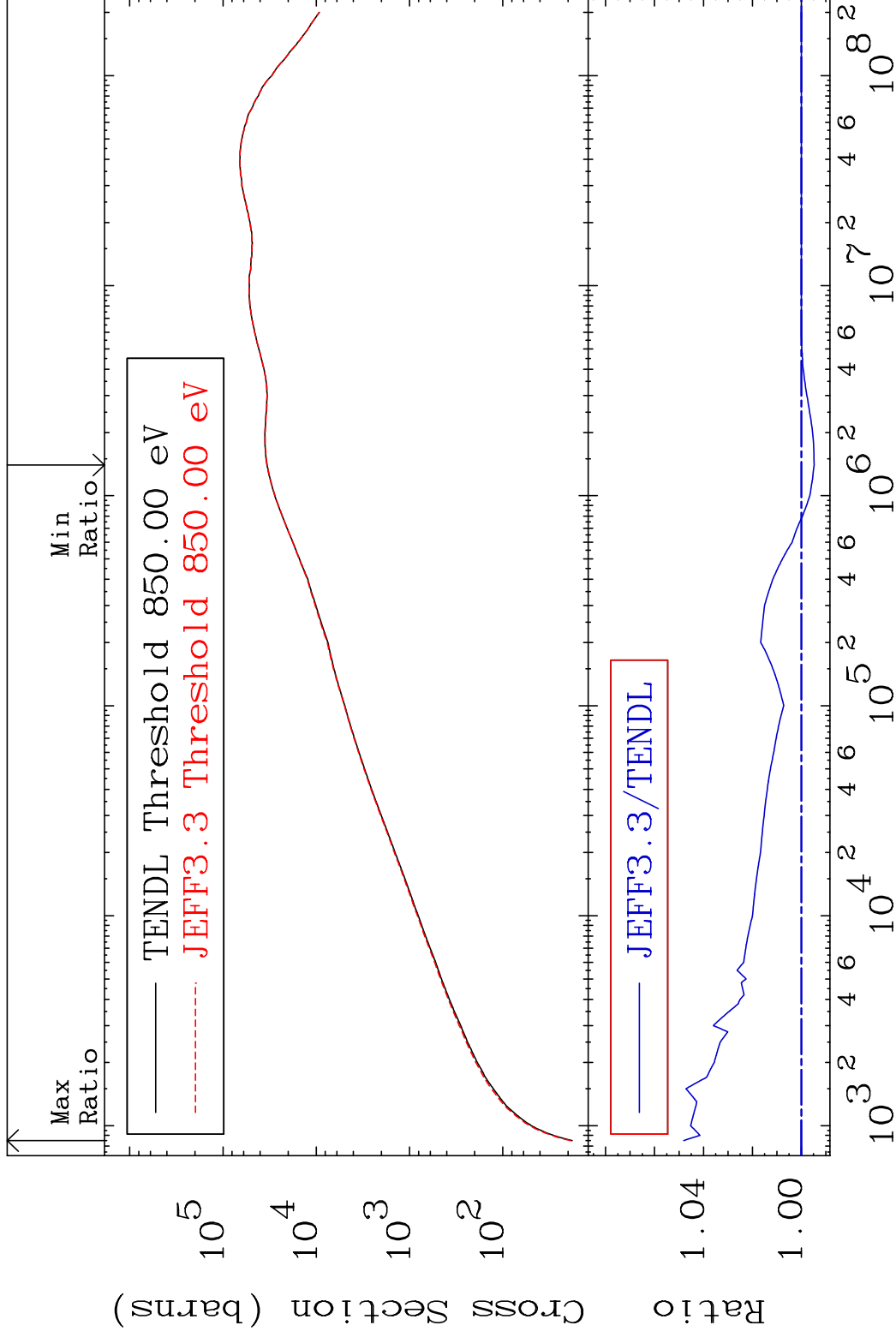
MAT 5134

Dpa elastic (mt2)

51-Sb-124

Cross Section

-0.522 To 4.810 %



74

Incident Energy (eV)

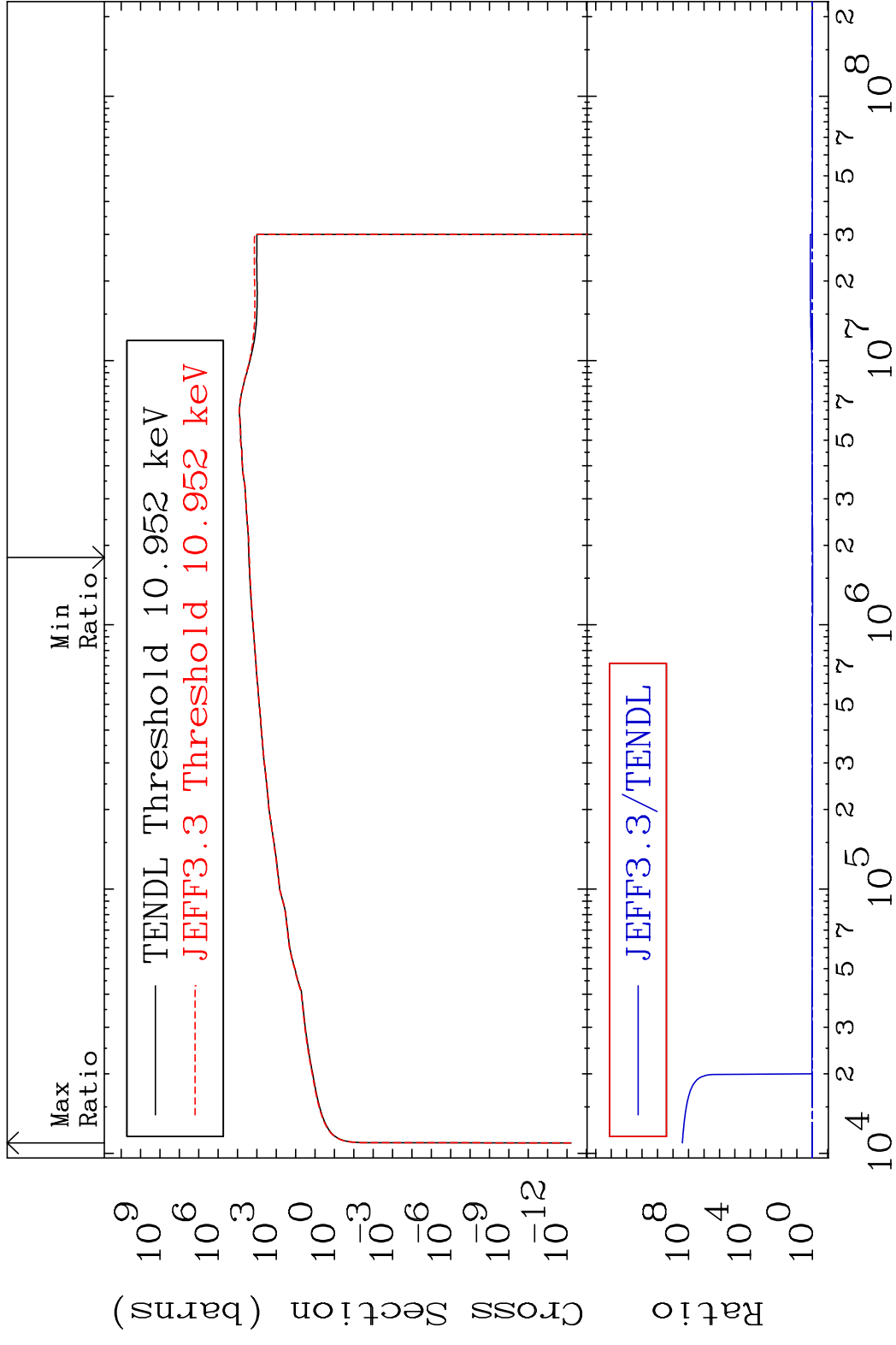
51-Sb-124

MAT 5134

Dpa inelastic (mt51-91)

51-Sb-124

Cross Section -4.124 To 9999. %

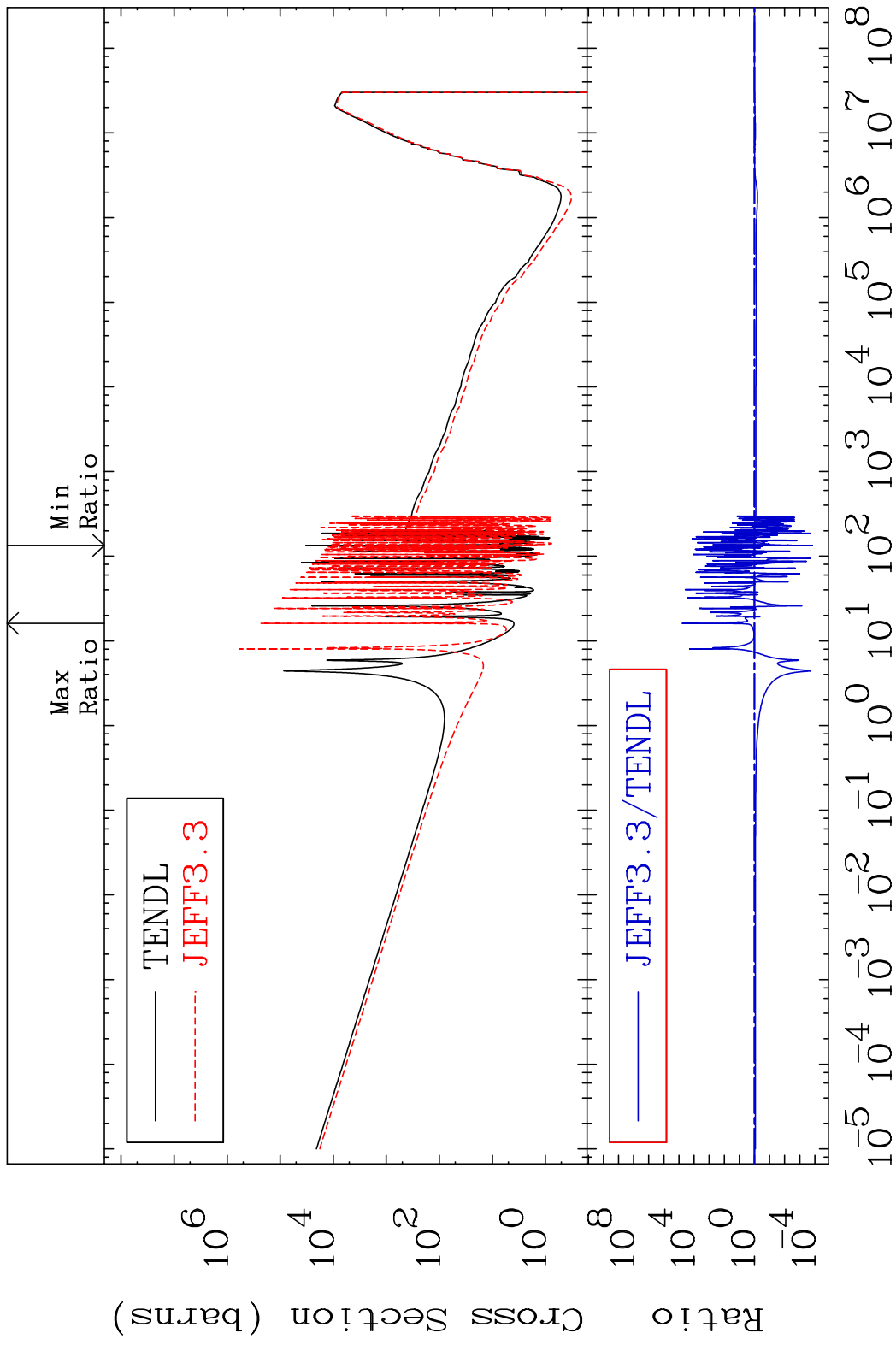


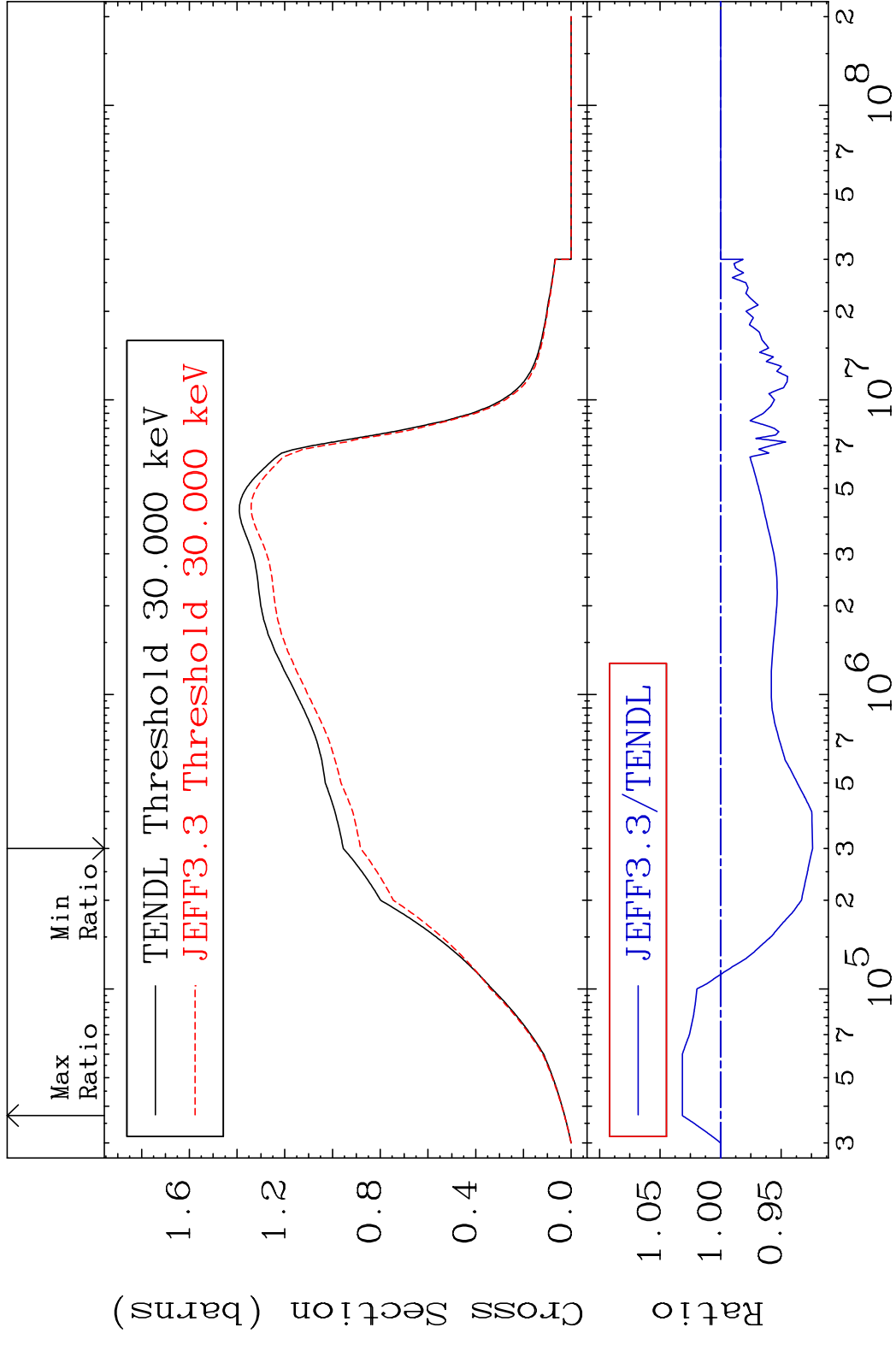
75

Incident Energy (eV)

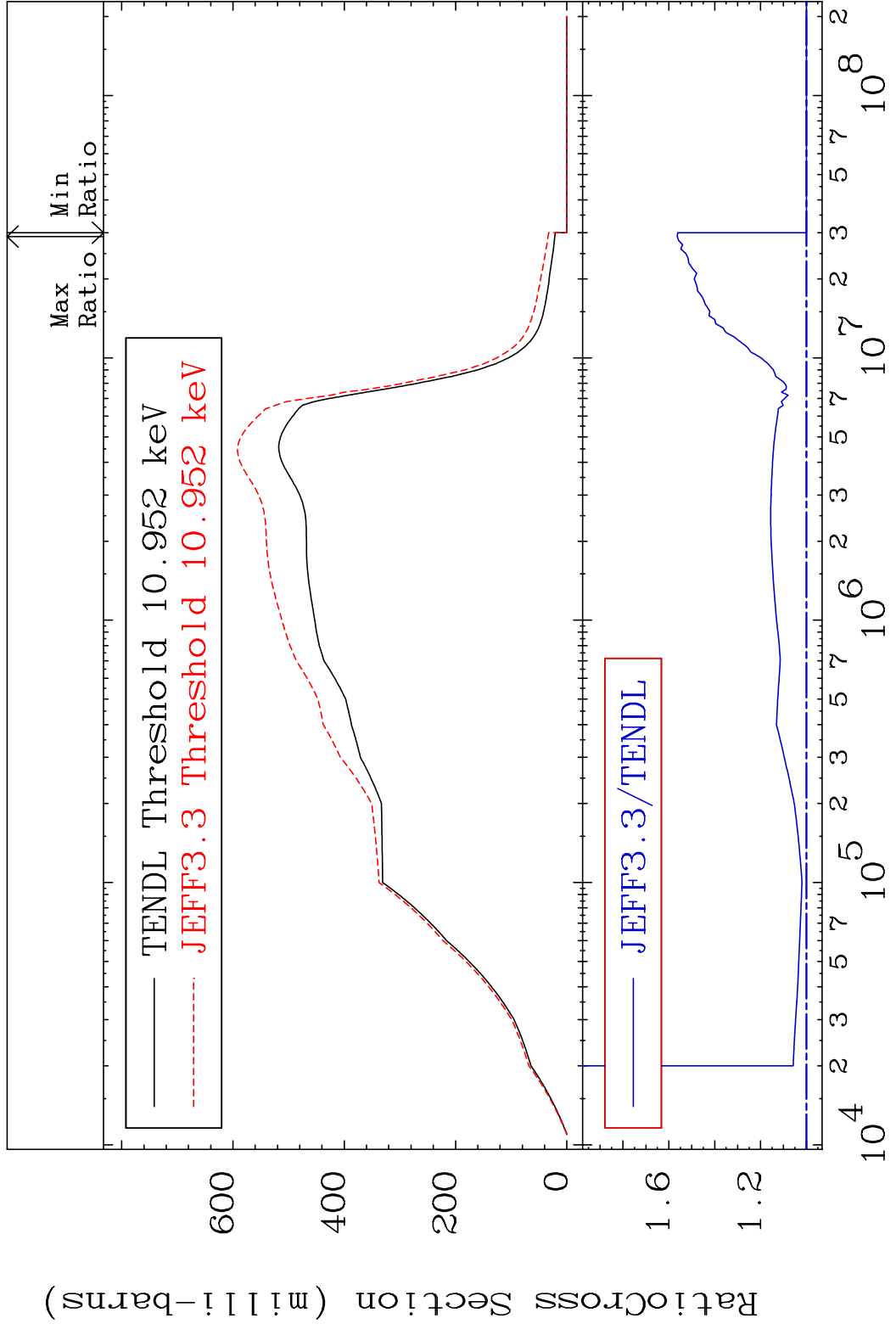
51-Sb-124

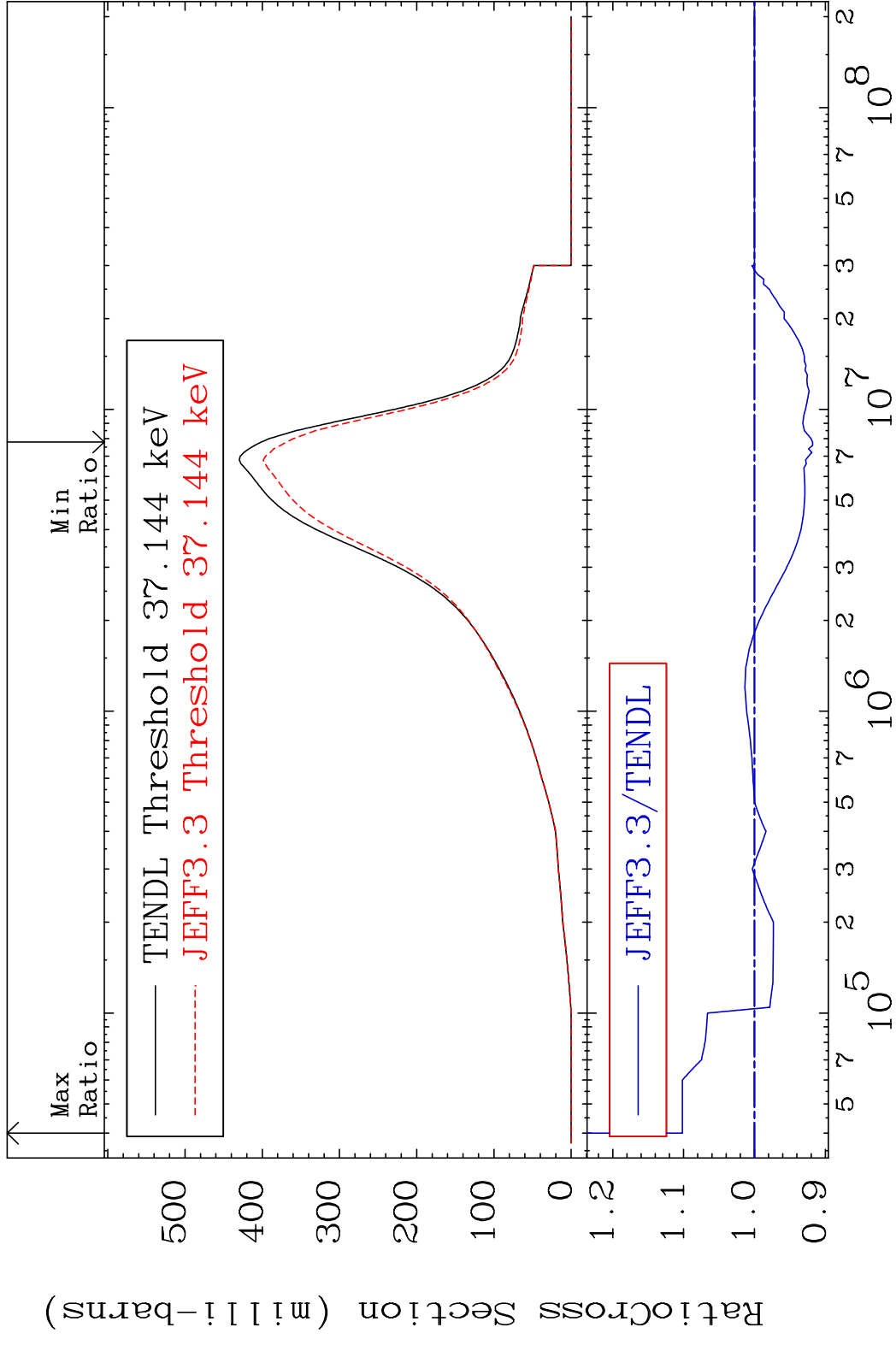
MAT 5134 Dpa disappearance (mt102 -120) 51-Sb-124  
 Cross Section -99.99 To 9999. %





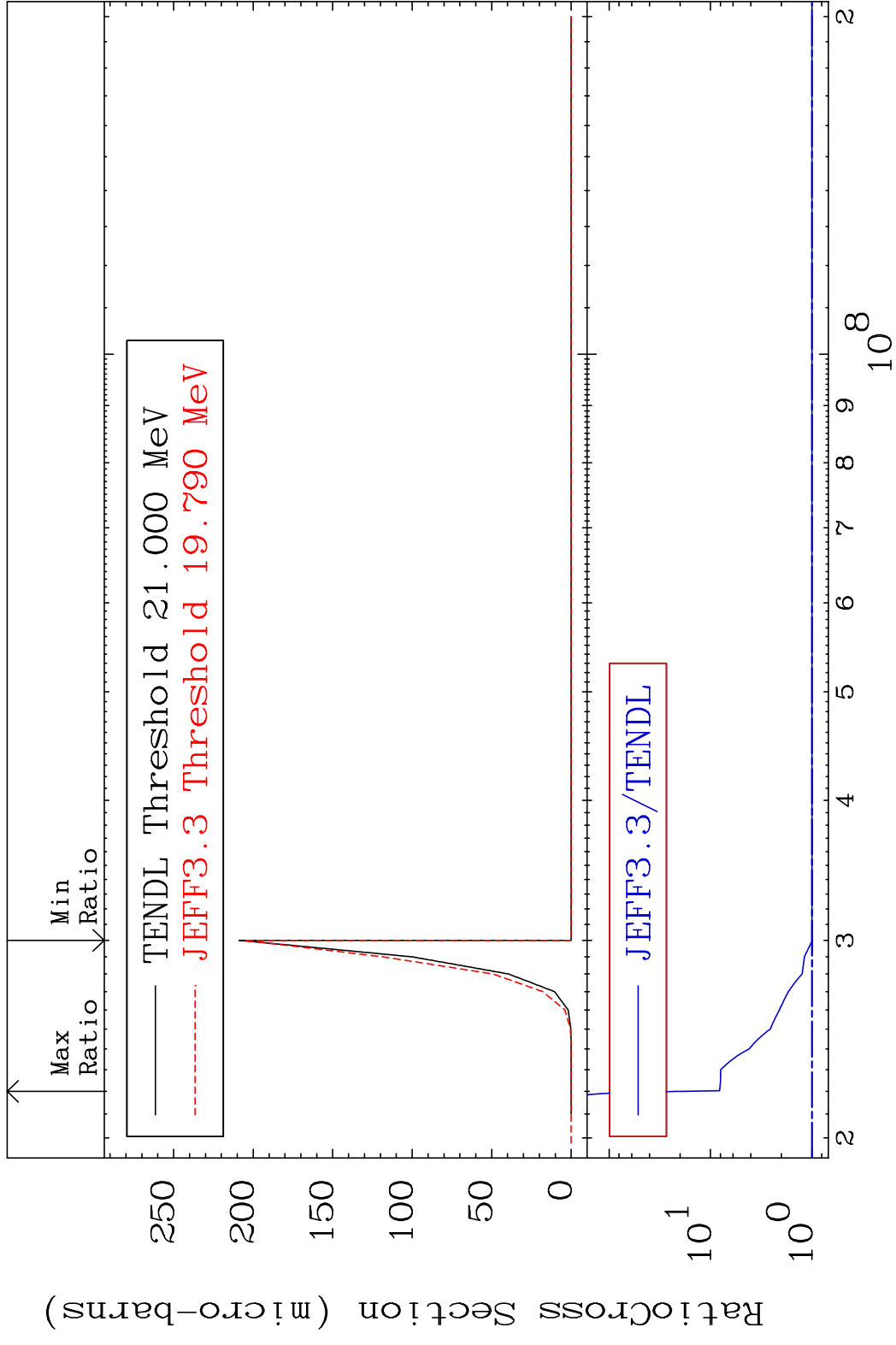
MAT 5134 Inelastic:51-Sb-124m1 51-Sb-124  
 Radionuclide Production Cross Section 56.36 %

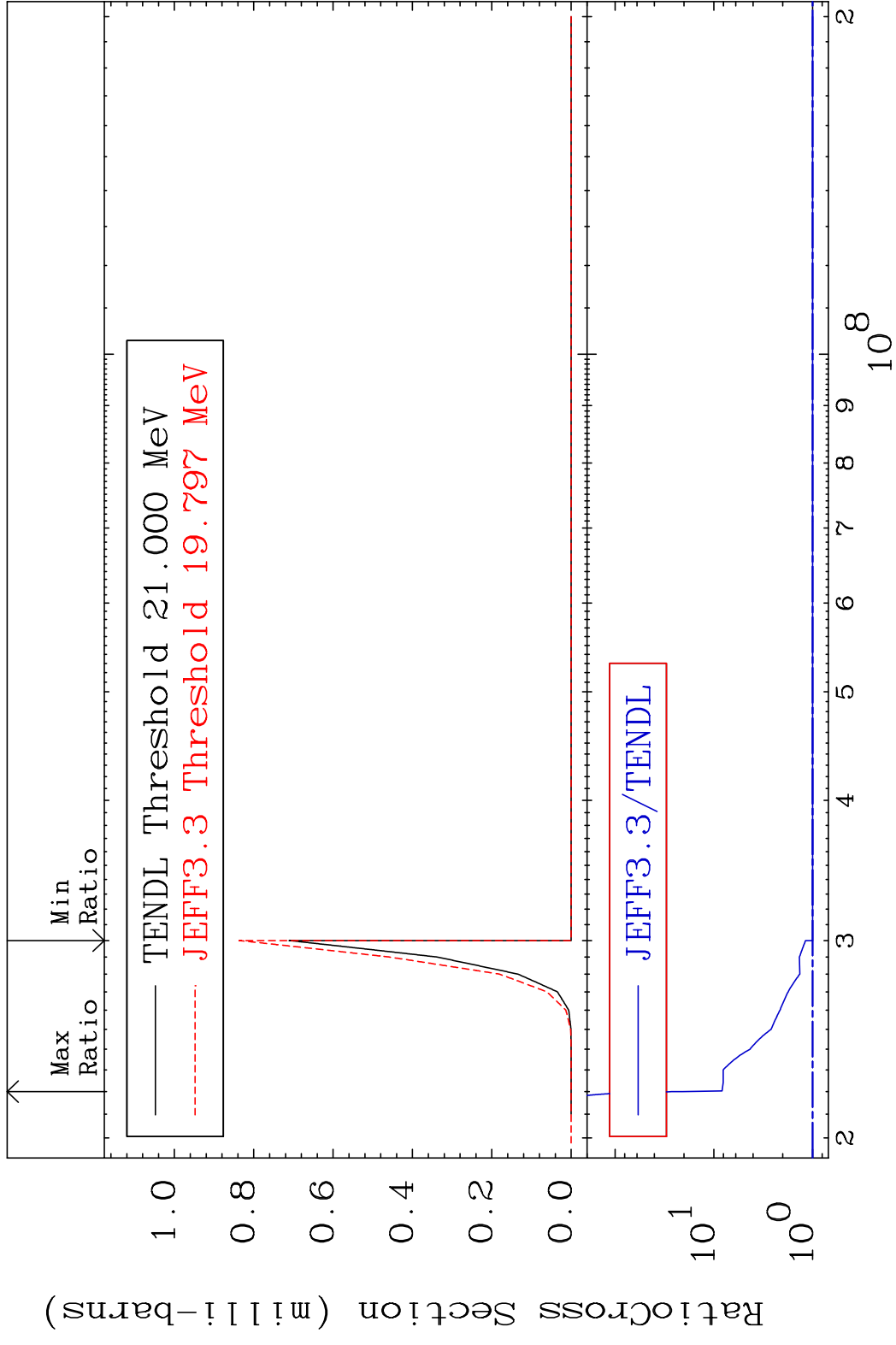




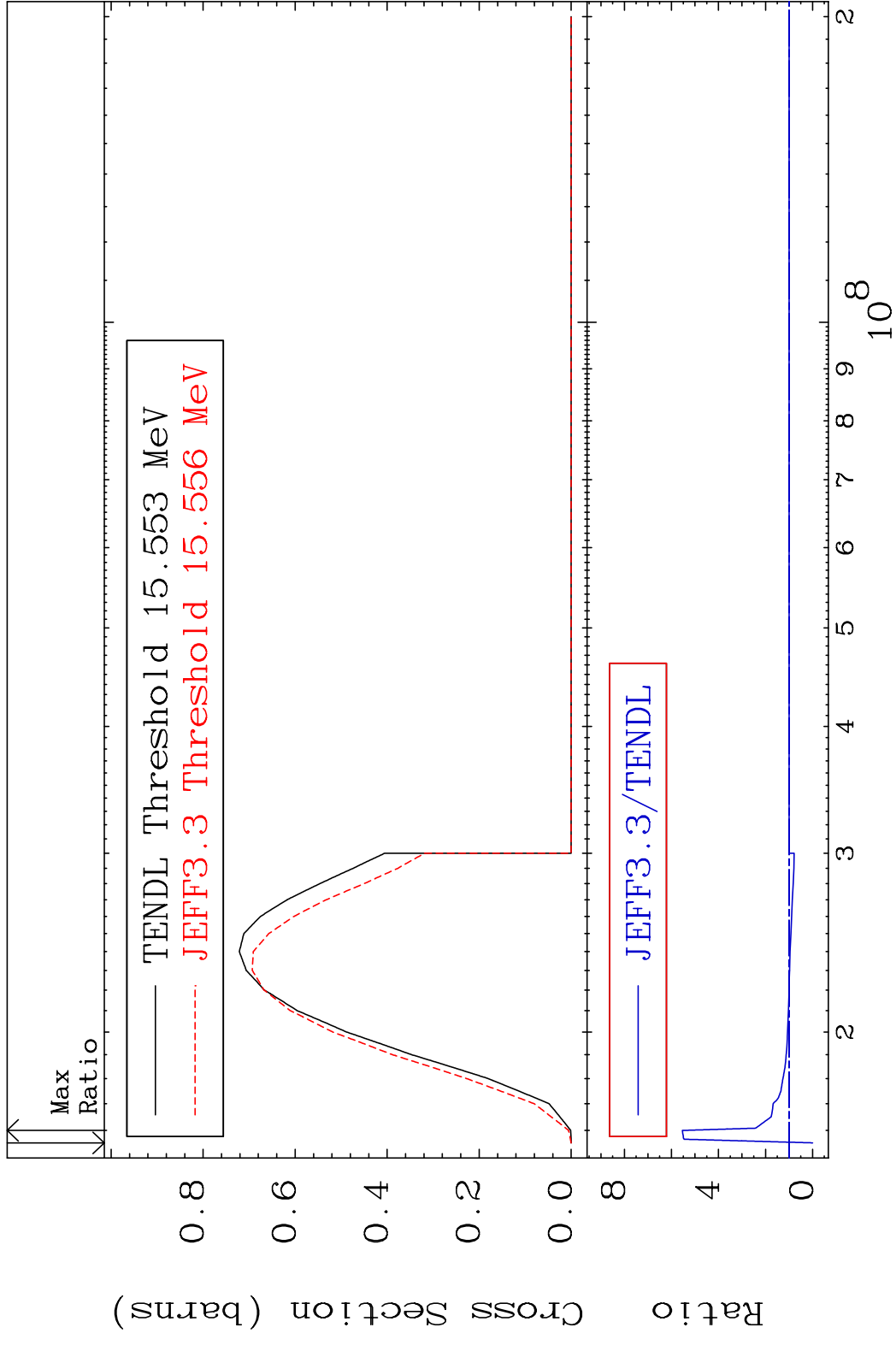


MAT 5134 (n,2n) d:50-Sn-121g 51-Sb-124  
 Radionuclide Production Cross Section 1460 d to 1797. %

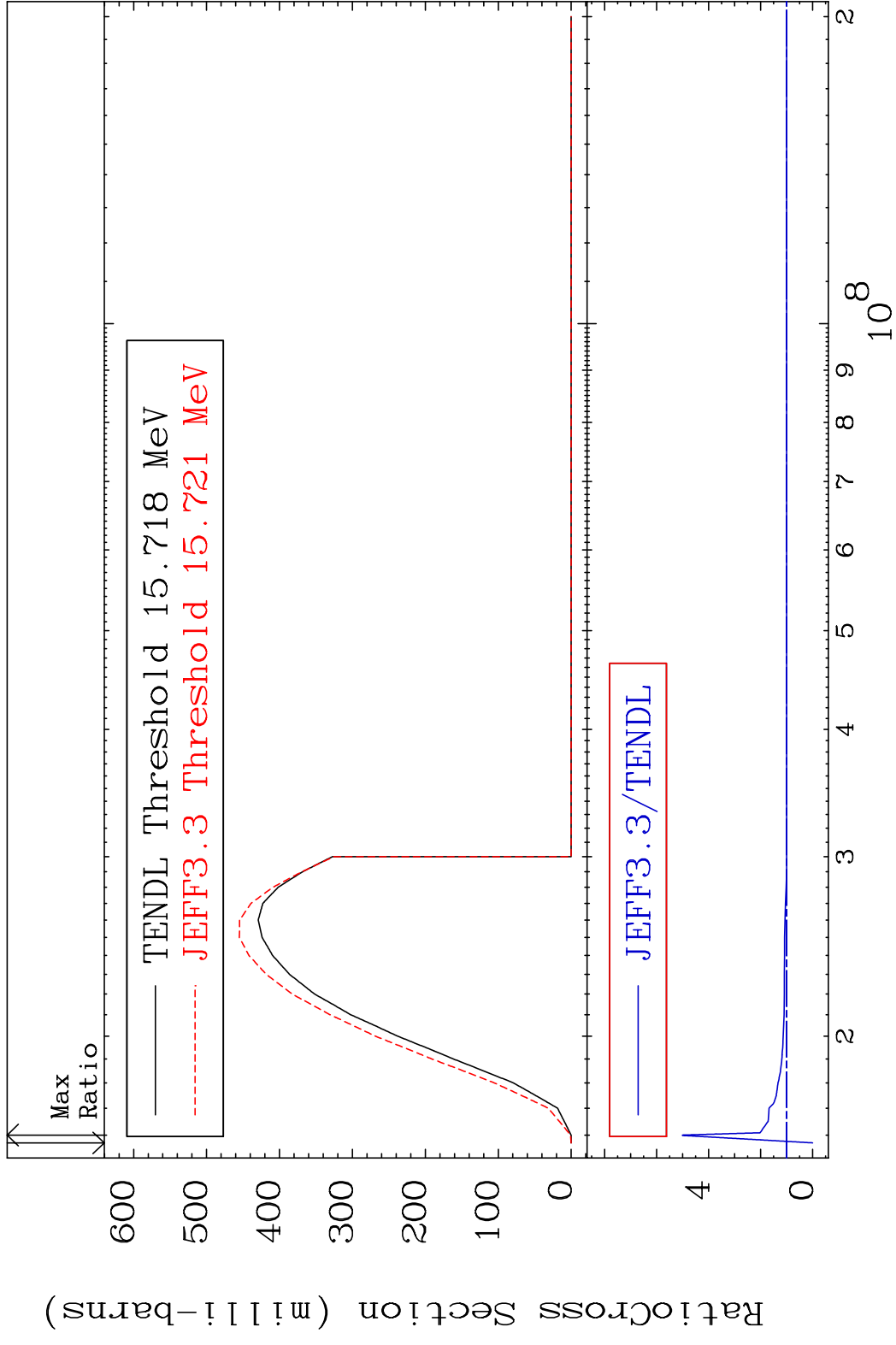




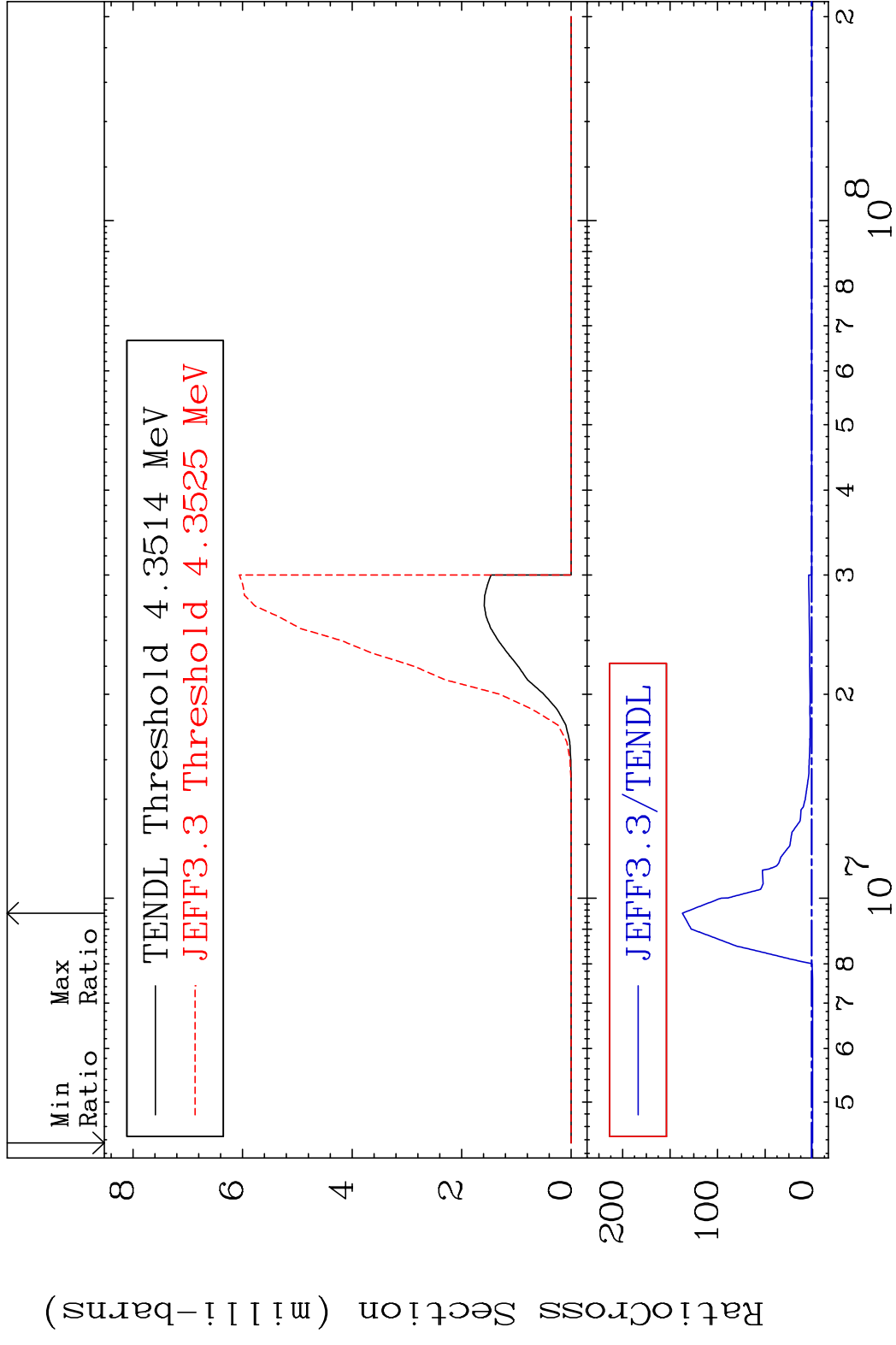
MAT 5134 (n,3n):51-Sb-122g 51-Sb-124  
 Radionuclide Production Cross Section 180.01 dth 453.6 %

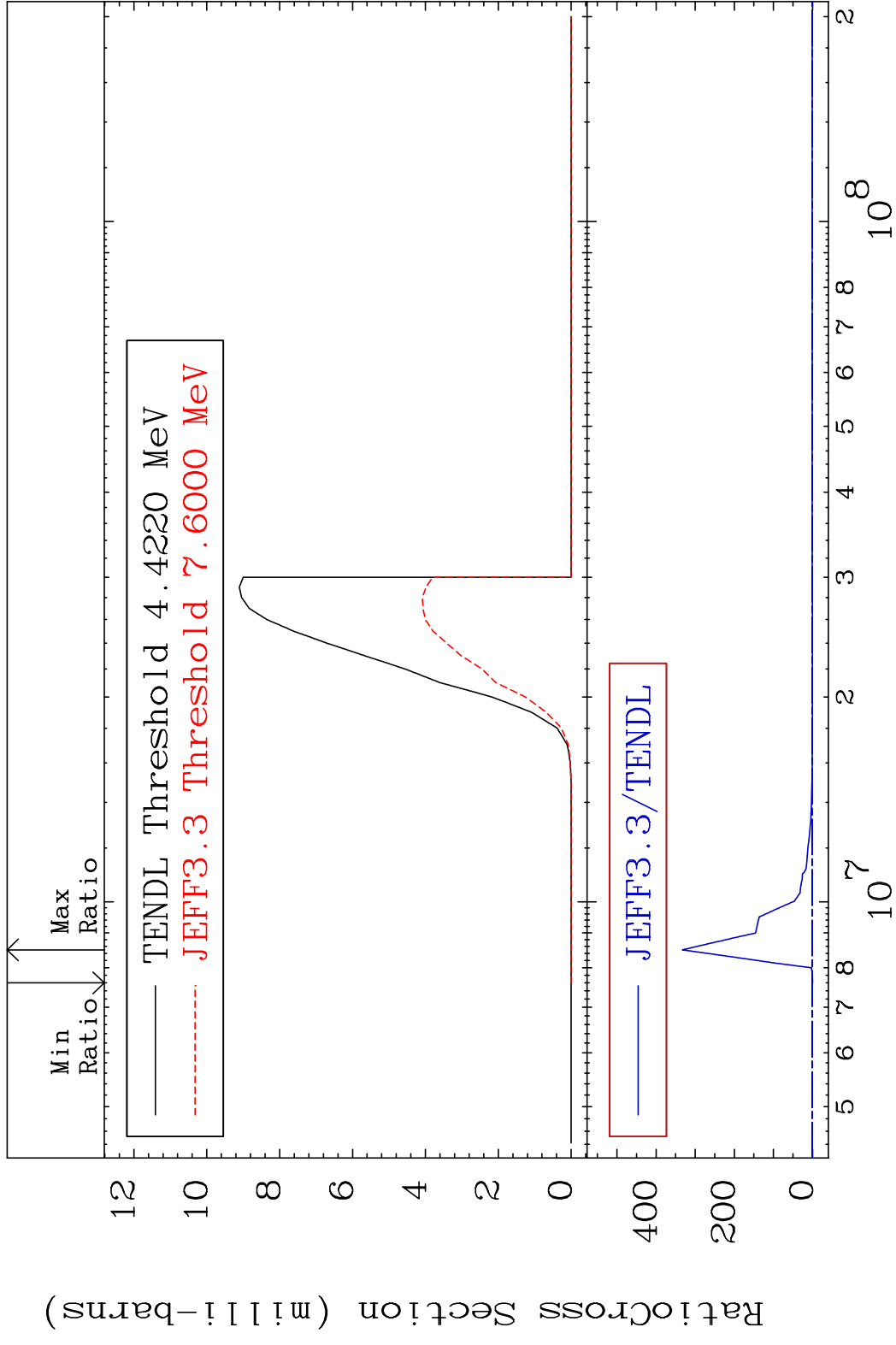


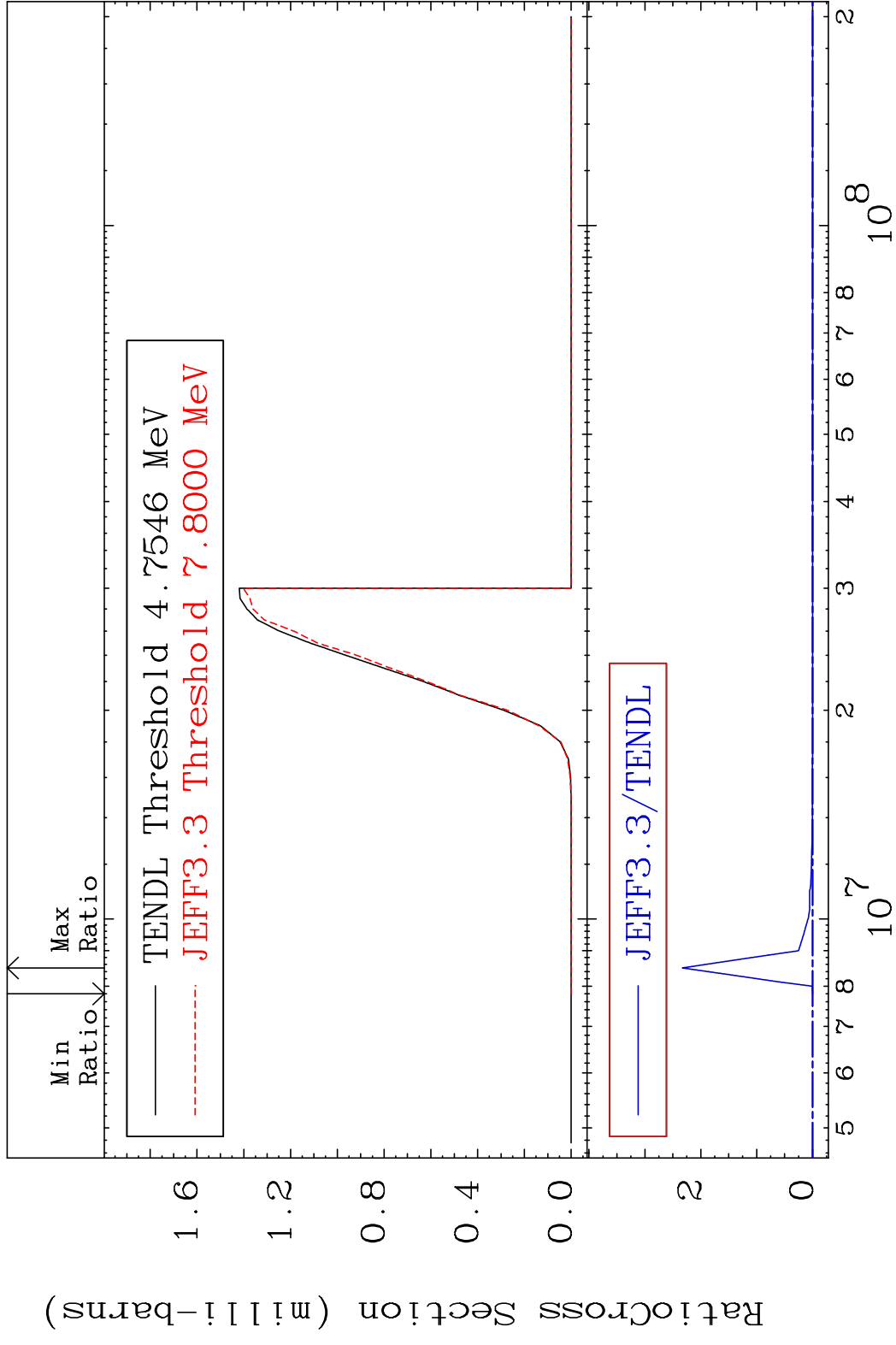
MAT 5134 (n, 3n):51-Sb-122m5 51-Sb-124  
 Radionuclide Production Cross Section 400.7 %

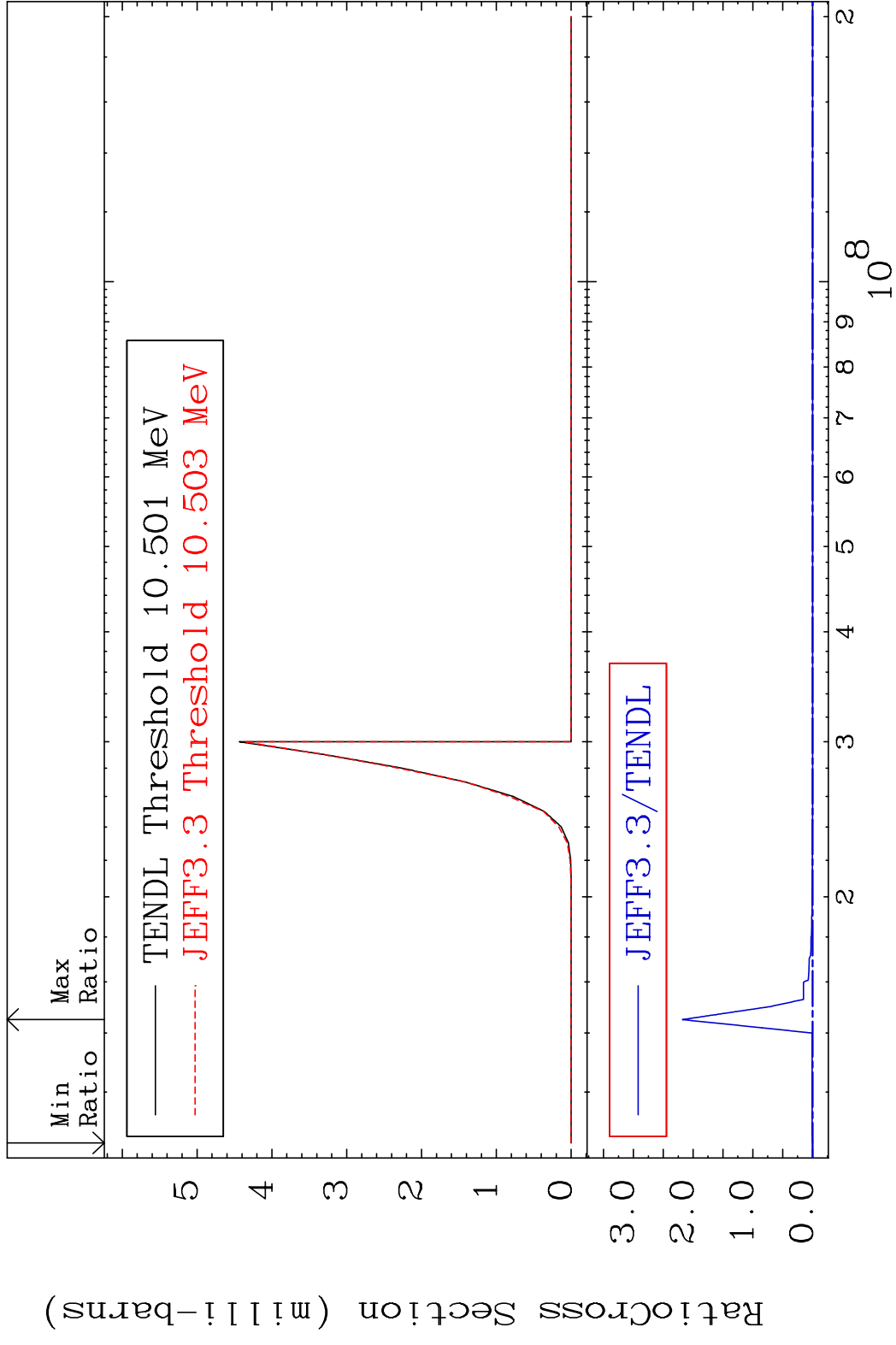


MAT 5134 (n, n')  $\alpha$ :49-In-120g 51-Sb-124  
 Radionuclide Production Cross Section to 9999. %

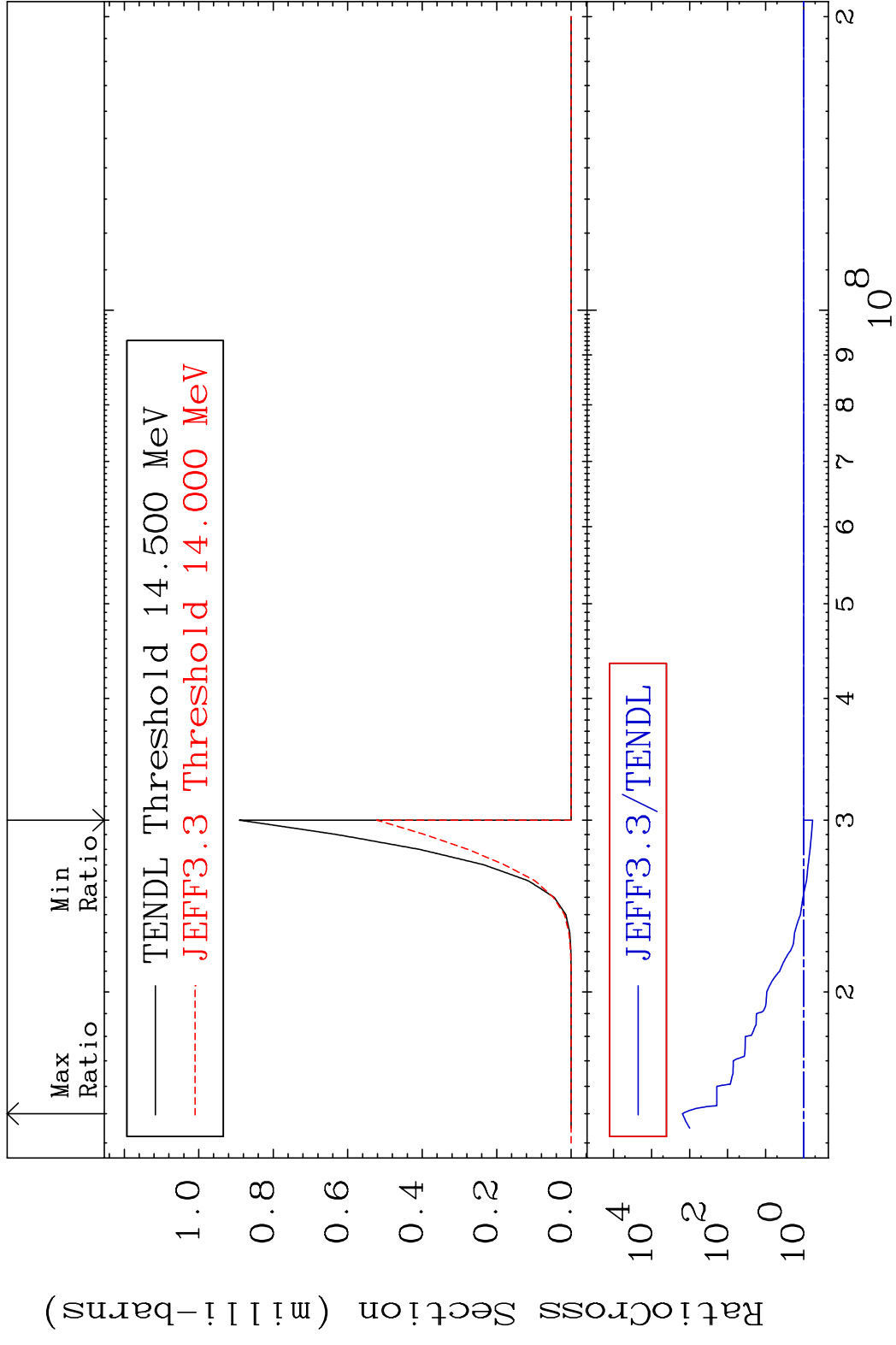


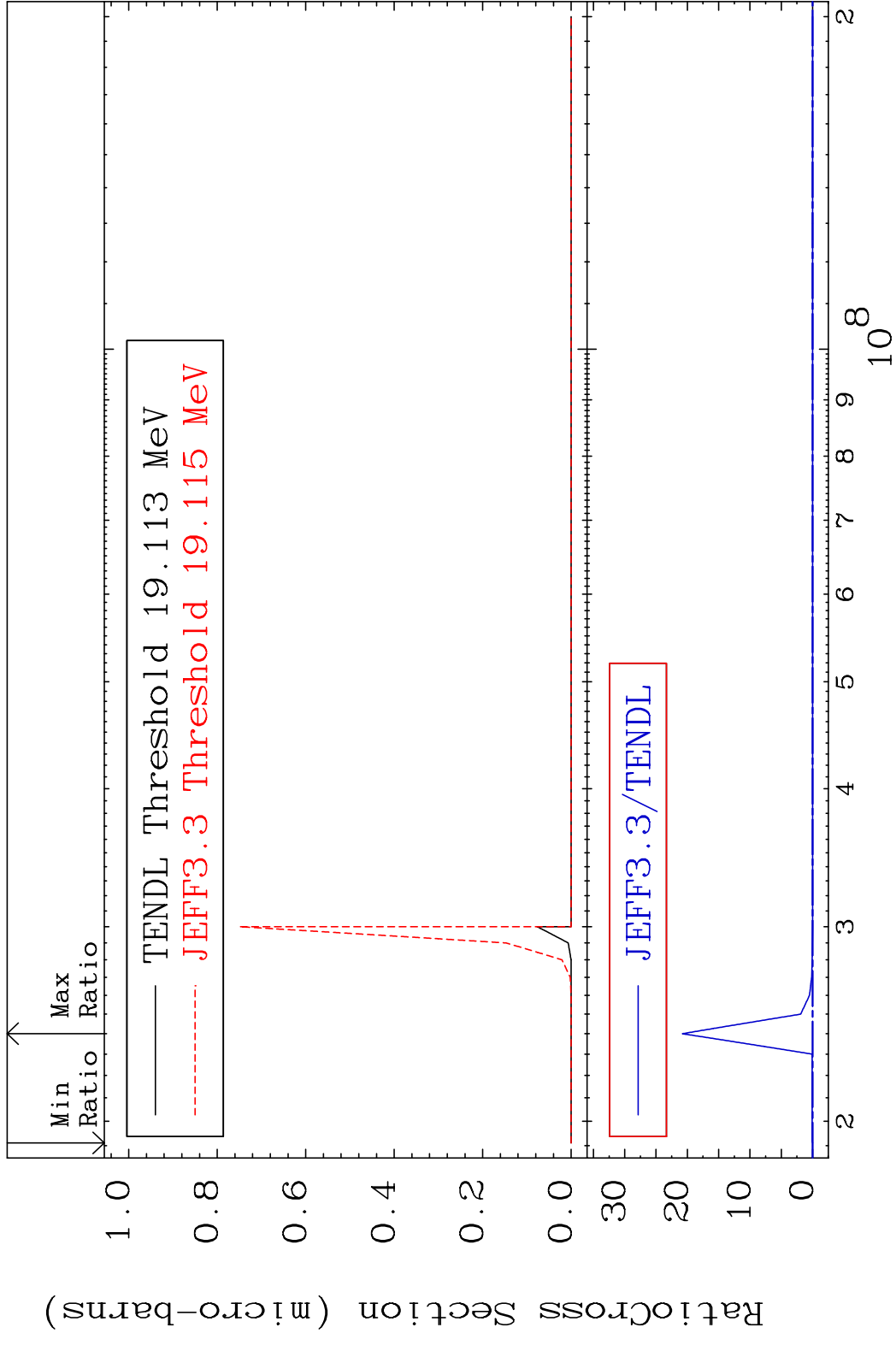




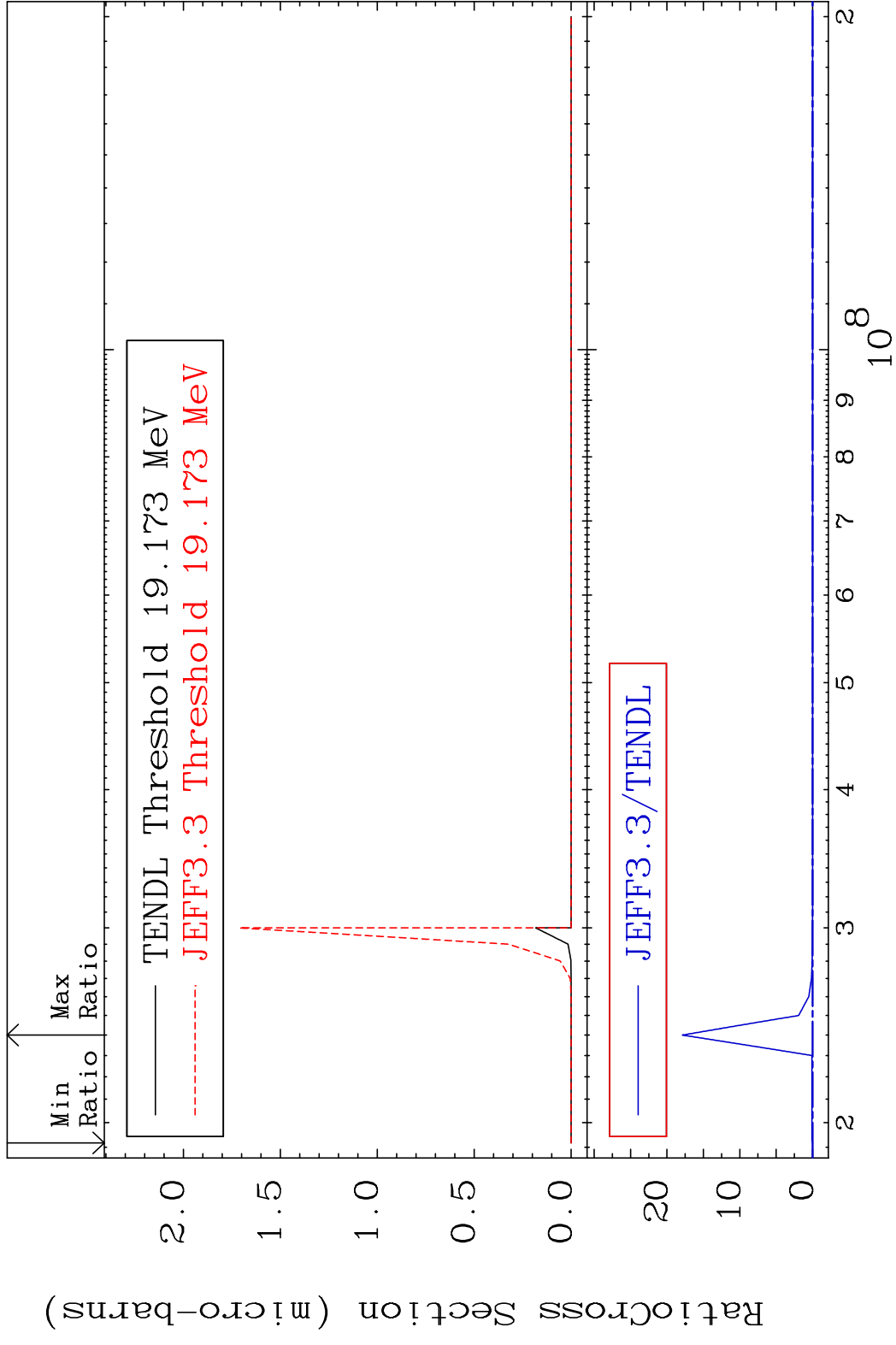


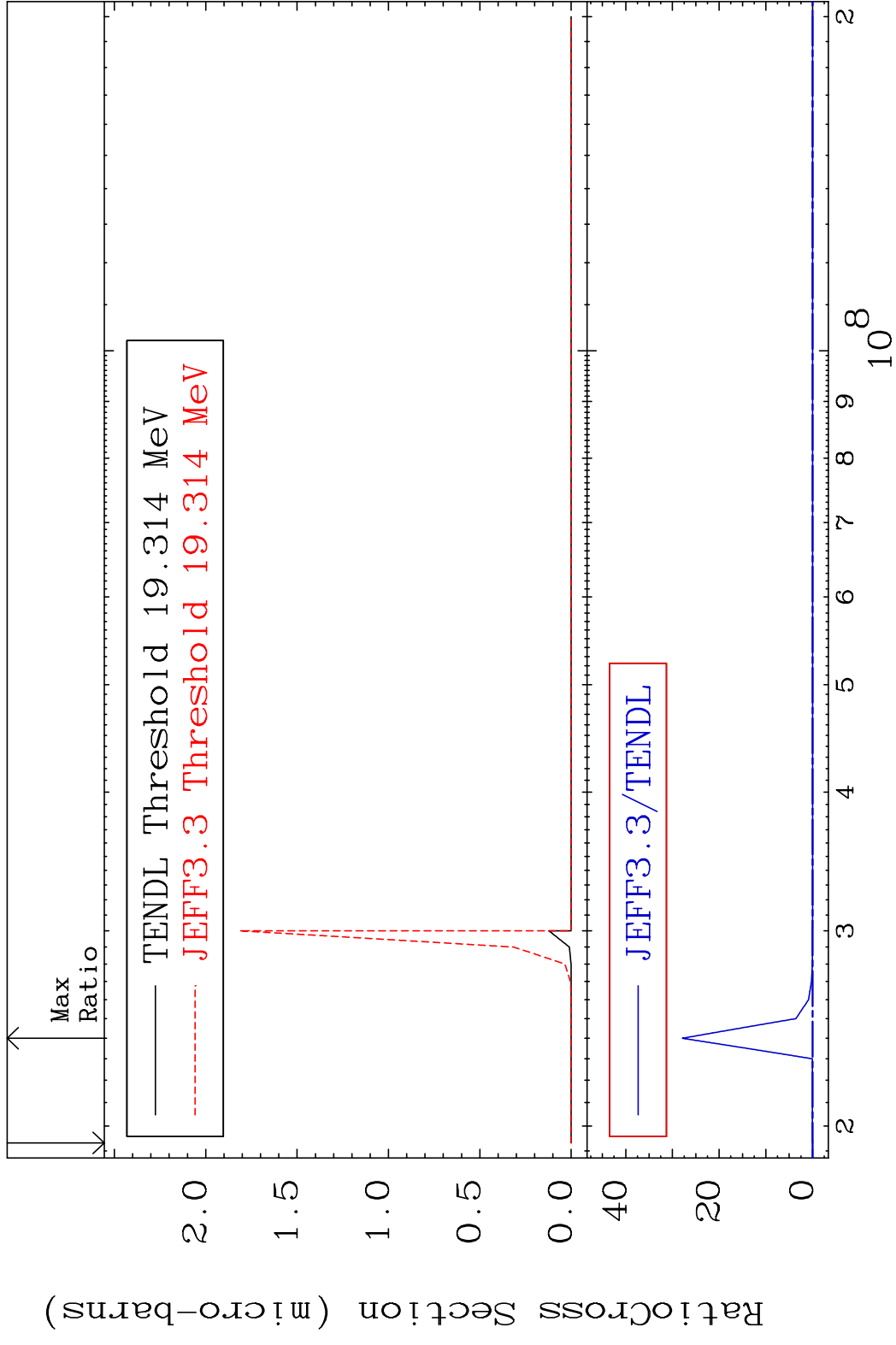




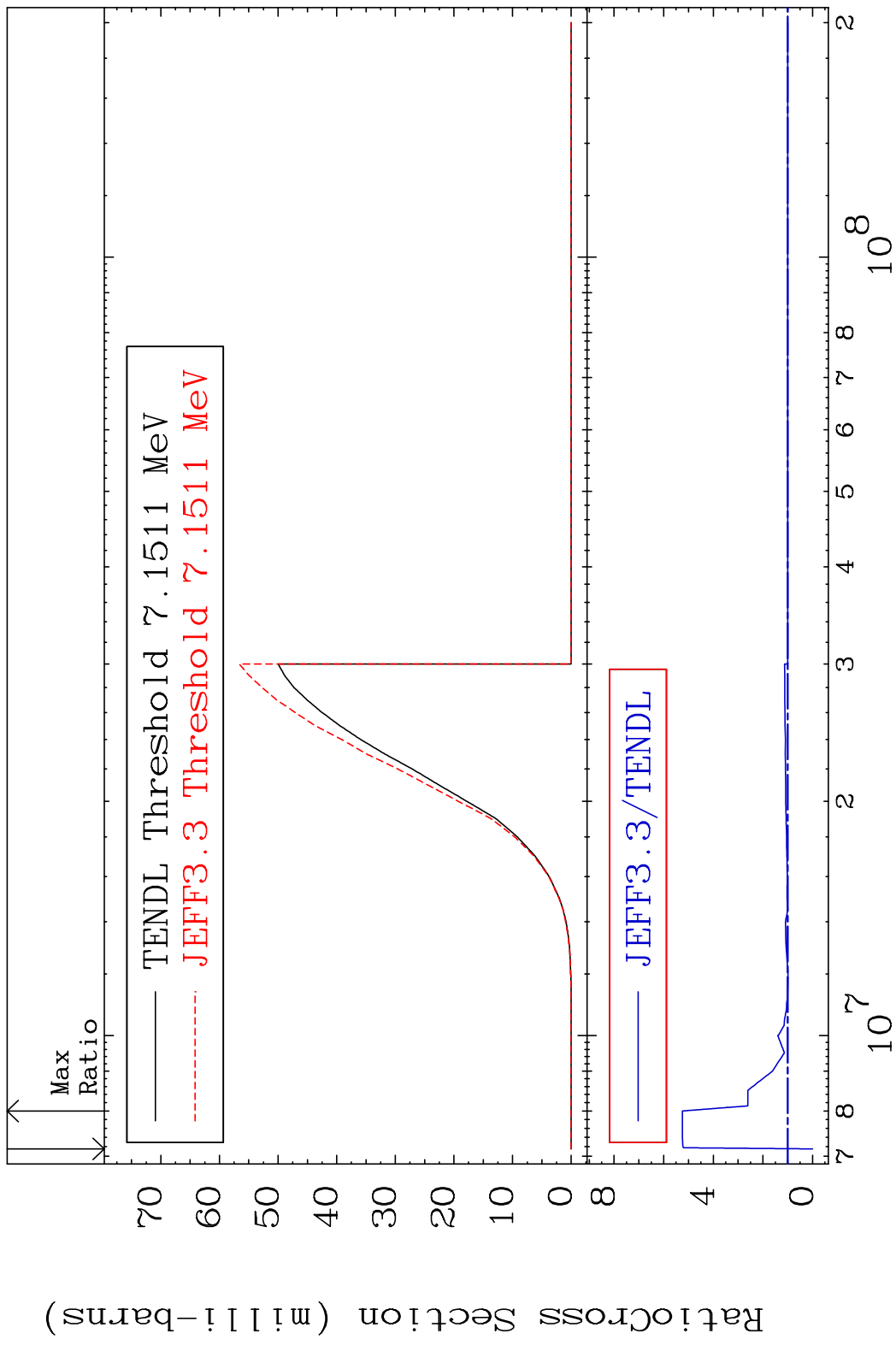


MAT 5134 (n,3n)  $\alpha$ :49-In-118m1 51-Sb-124  
 Radionuclide Production Cross Section to 9999. %

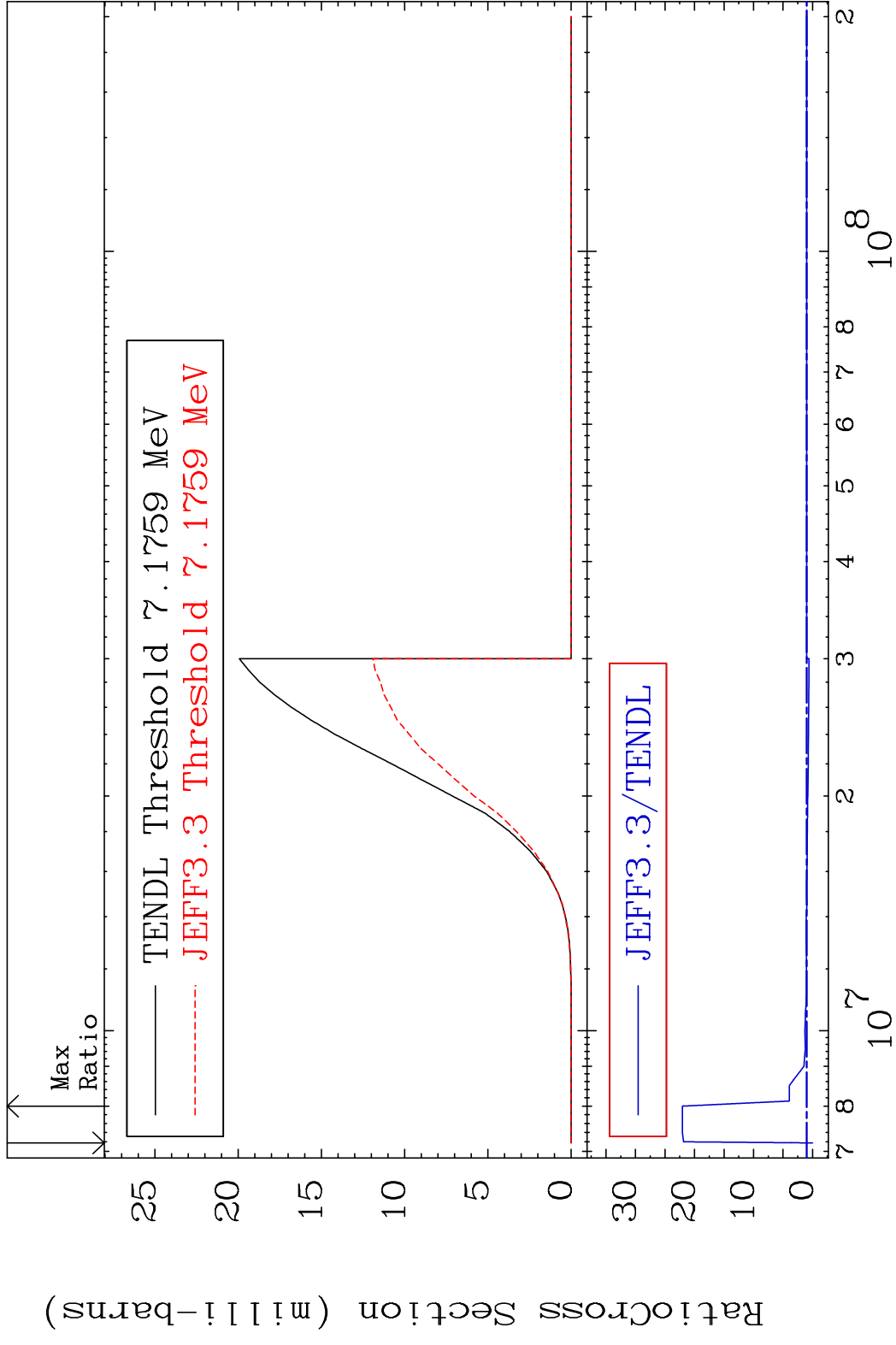




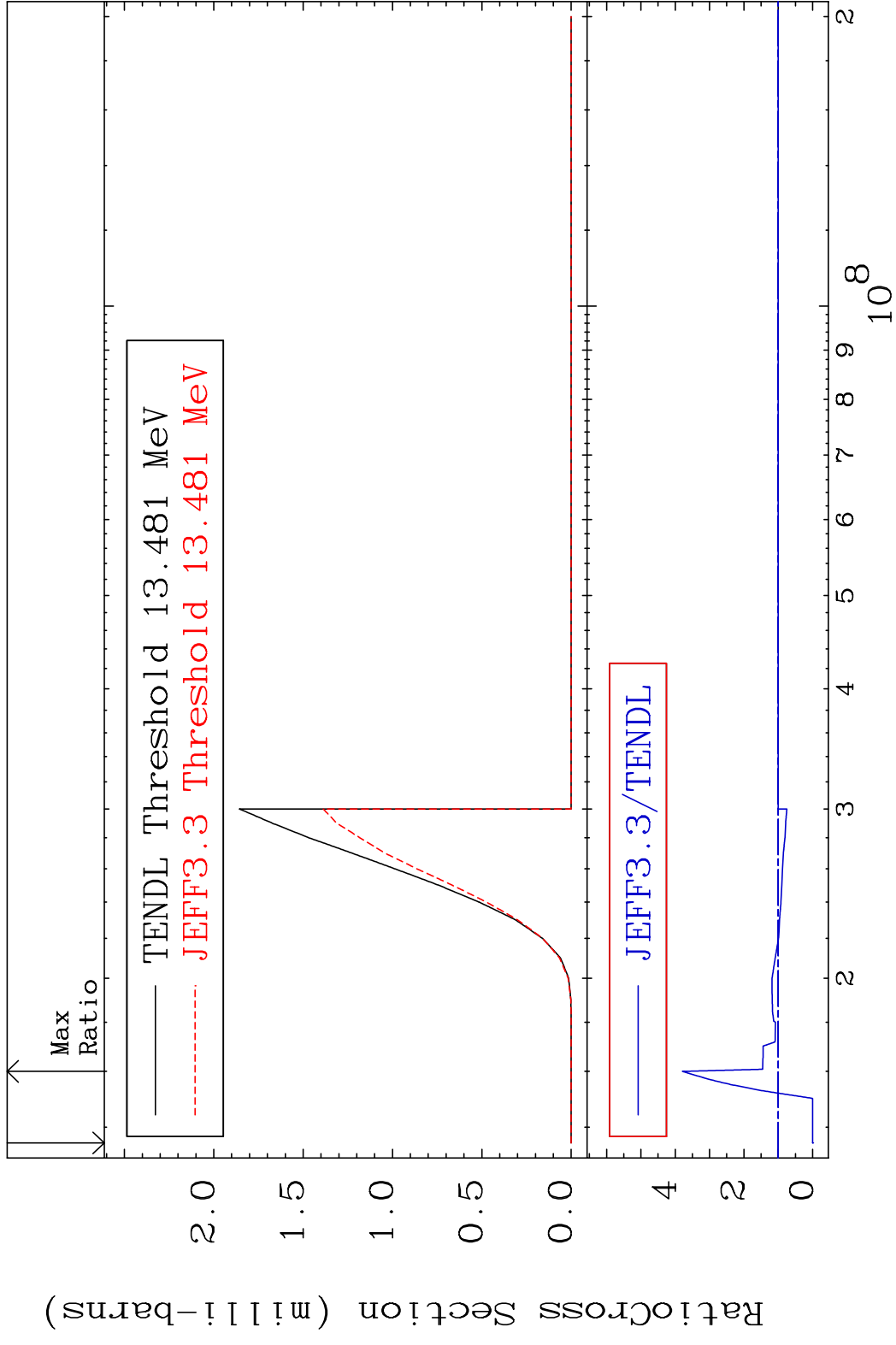
MAT 5134 (n, n') p:50-Sn-123g 51-Sb-124  
 Radionuclide Production Cross Section Ratio 424.8 %

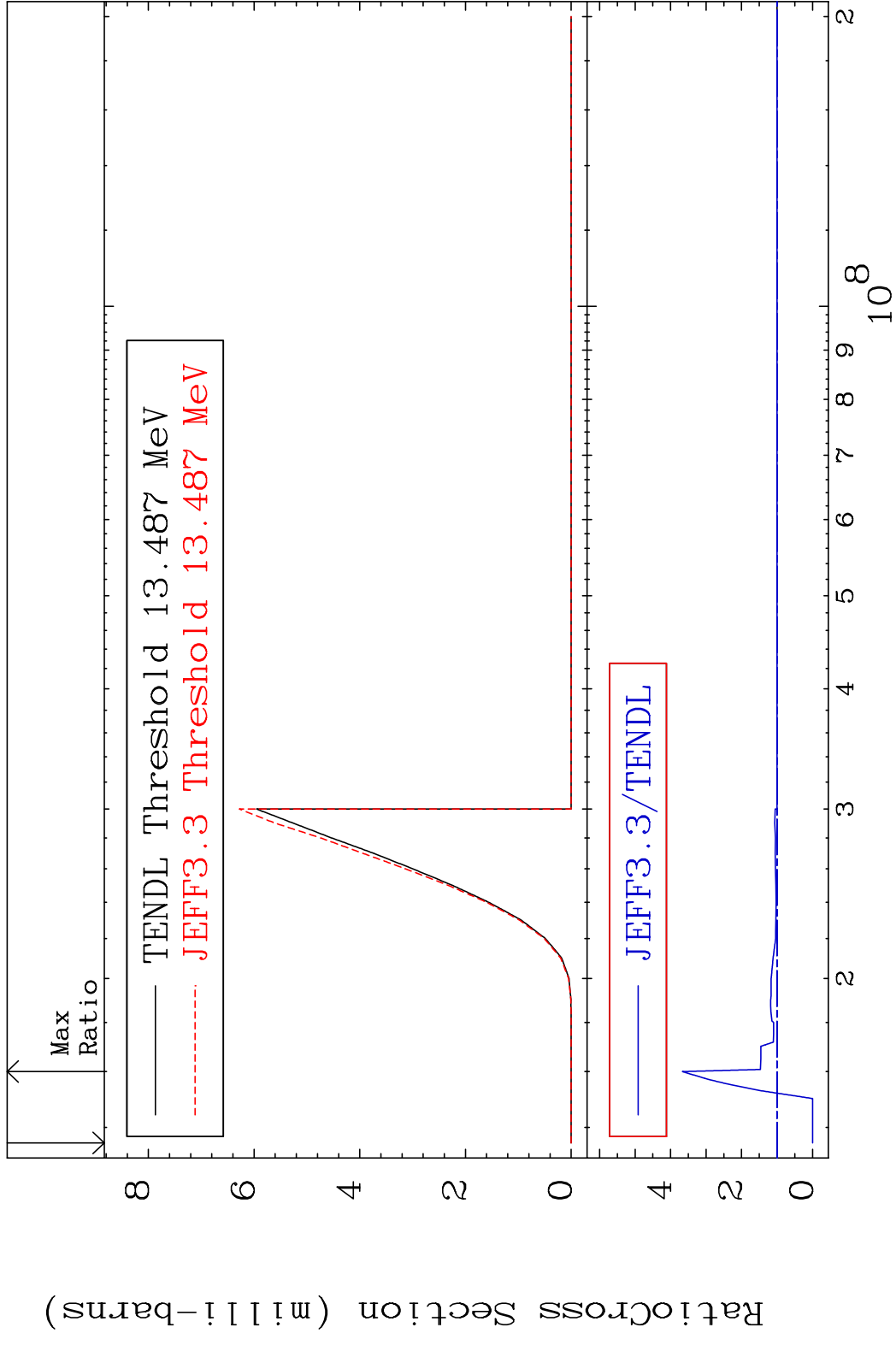


MAT 5134 (n, n') p:50-Sn-123m1 51-Sb-124  
 Radionuclide Production Cross Section Ratio



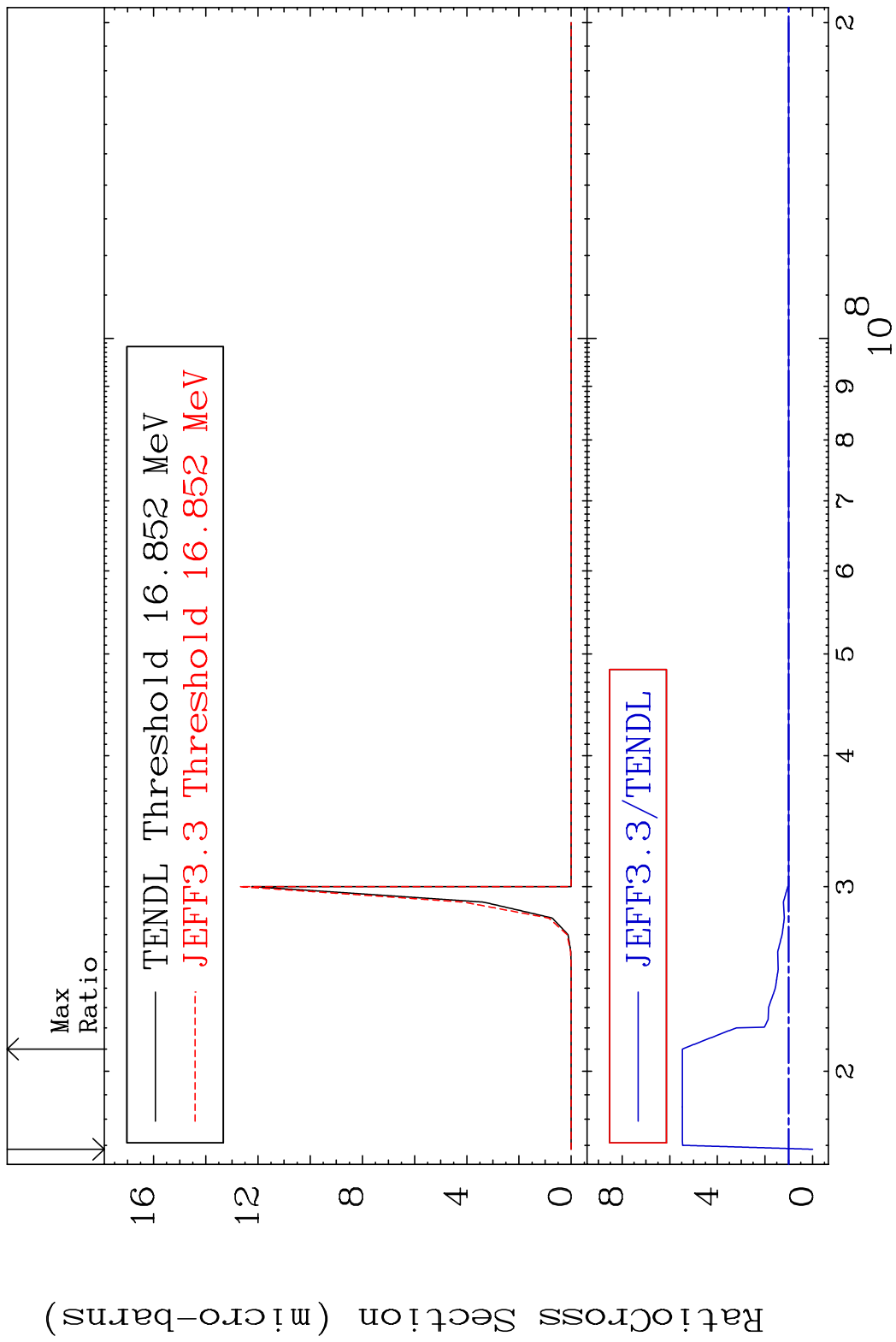
MAT 5134 (n, n') t:50-Sn-121g 51-Sb-124  
 Radionuclide Production Cross Section Ratio 279.3 %

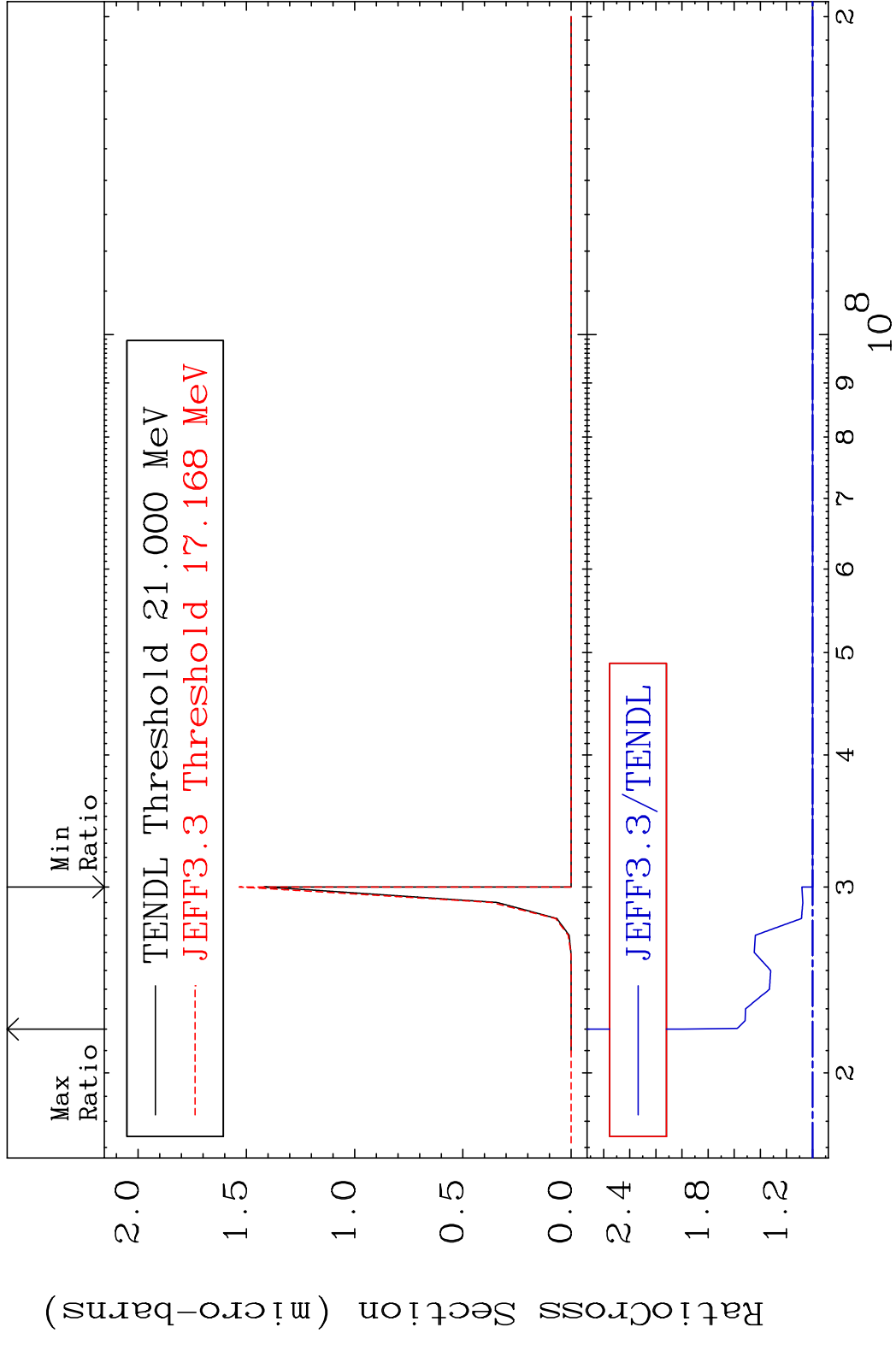




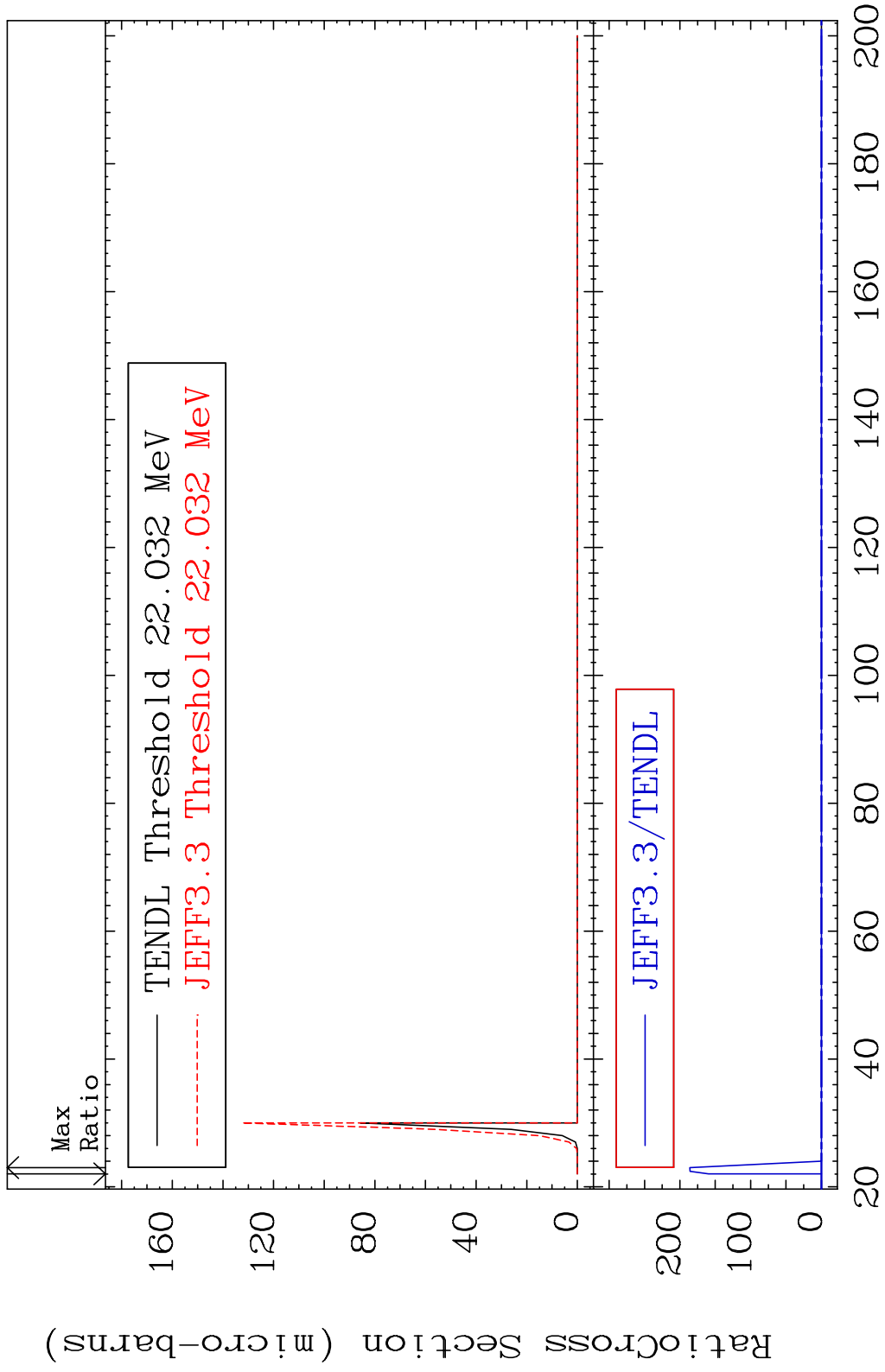


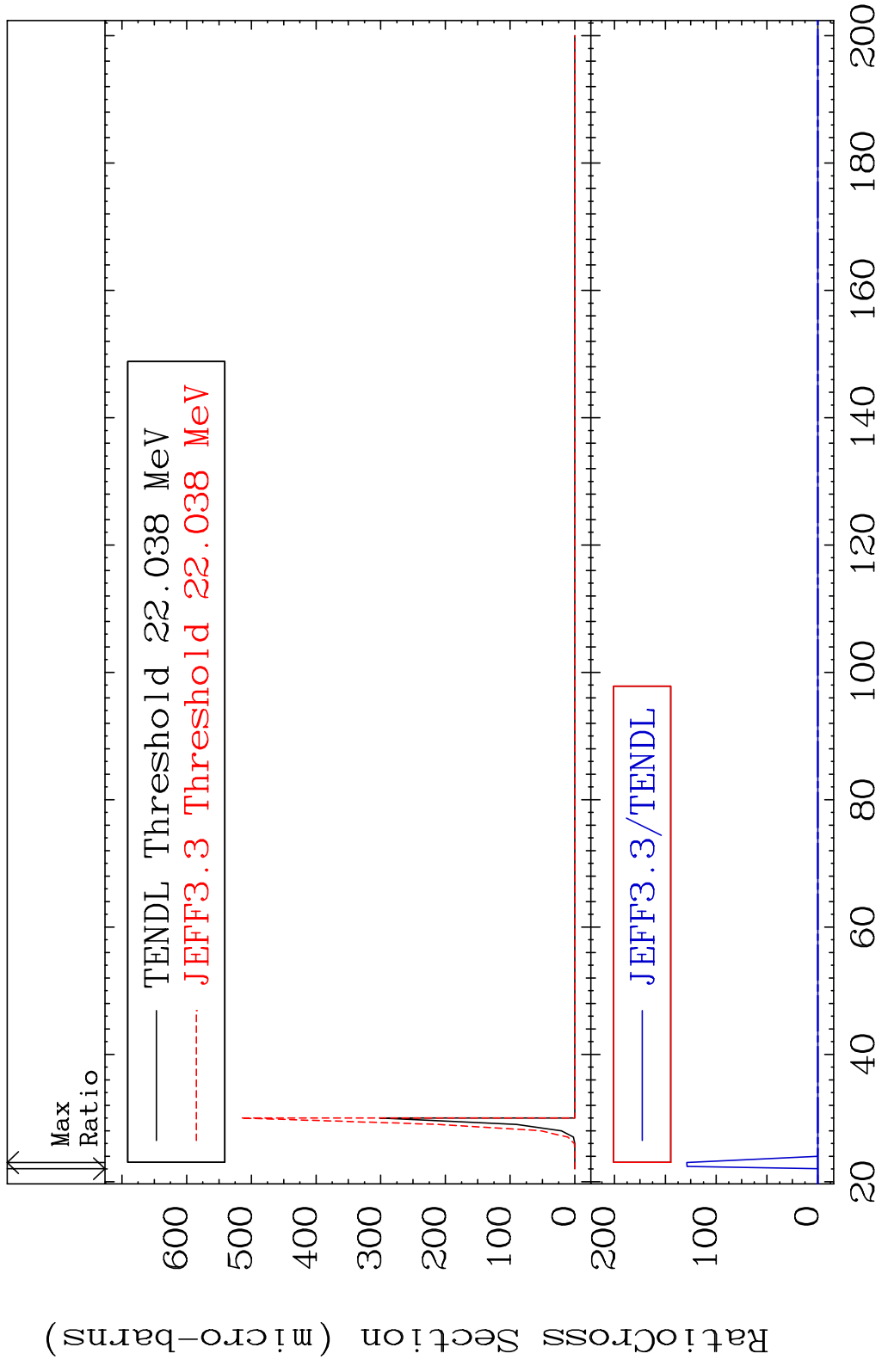
MAT 5134 (n, n') He-3:49-In-121g 51-Sb-124  
 Radionuclide Production Cross Section 100.0 dth 447.2 %



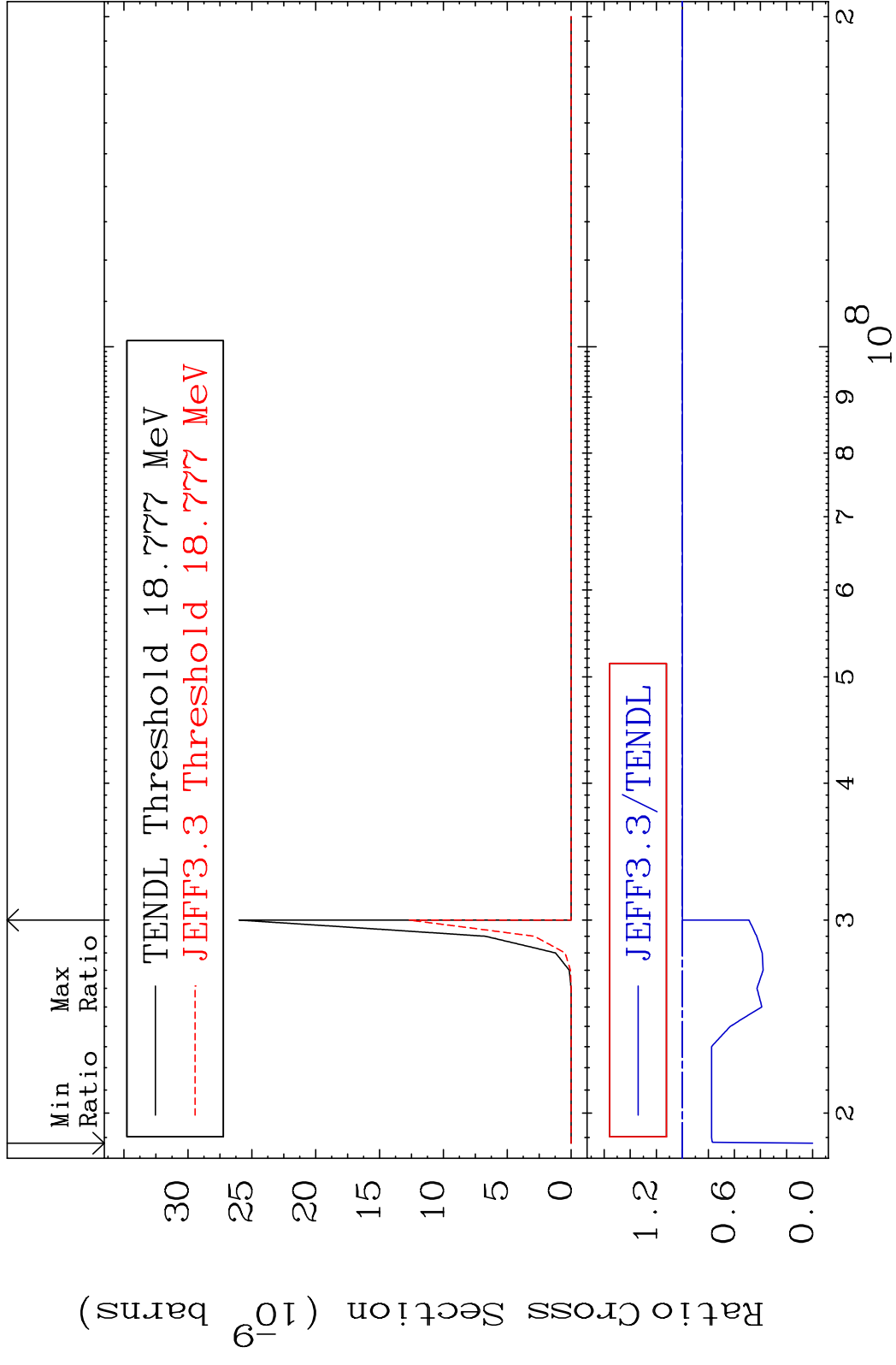


MAT 5134 (n,3n) p:50-Sn-121g 51-Sb-124  
 Radionuclide Production Cross Section Ratio 9999. %

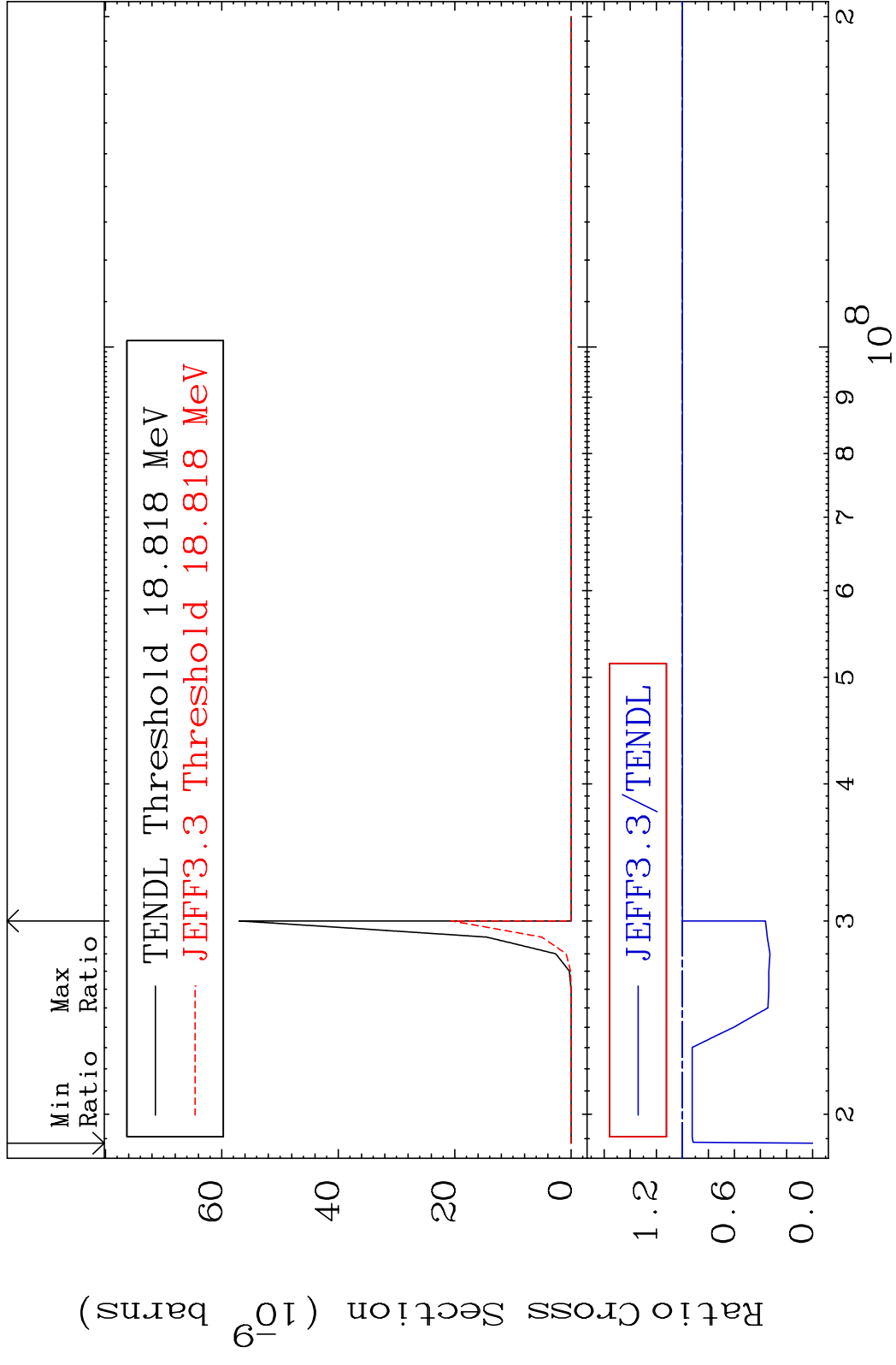


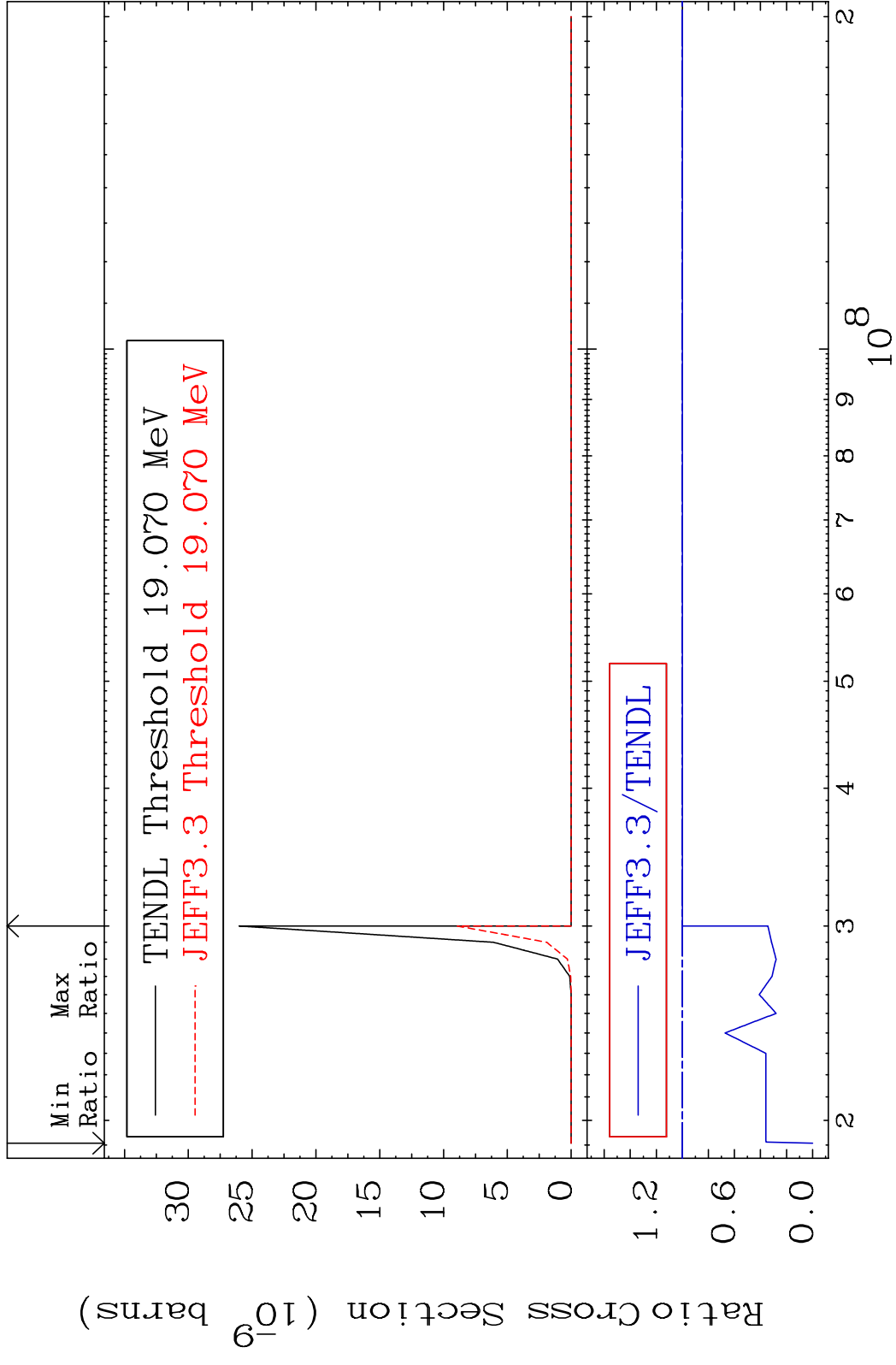


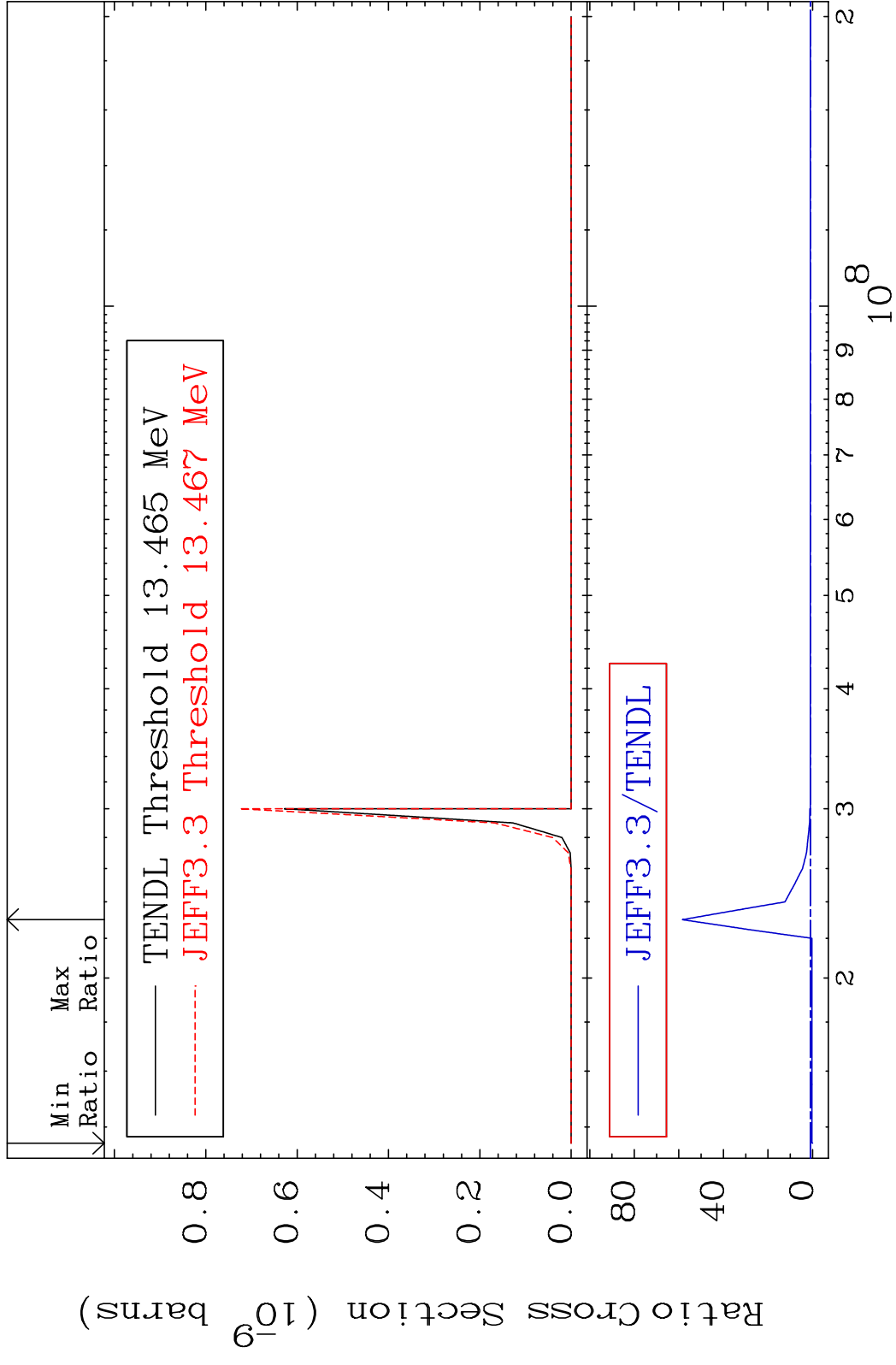
MAT 5134 (n,2n) p:49-In-122g 51-Sb-124  
 Radionuclide Production Cross Section 18.777 MeV  
 Ratio 0.000 %



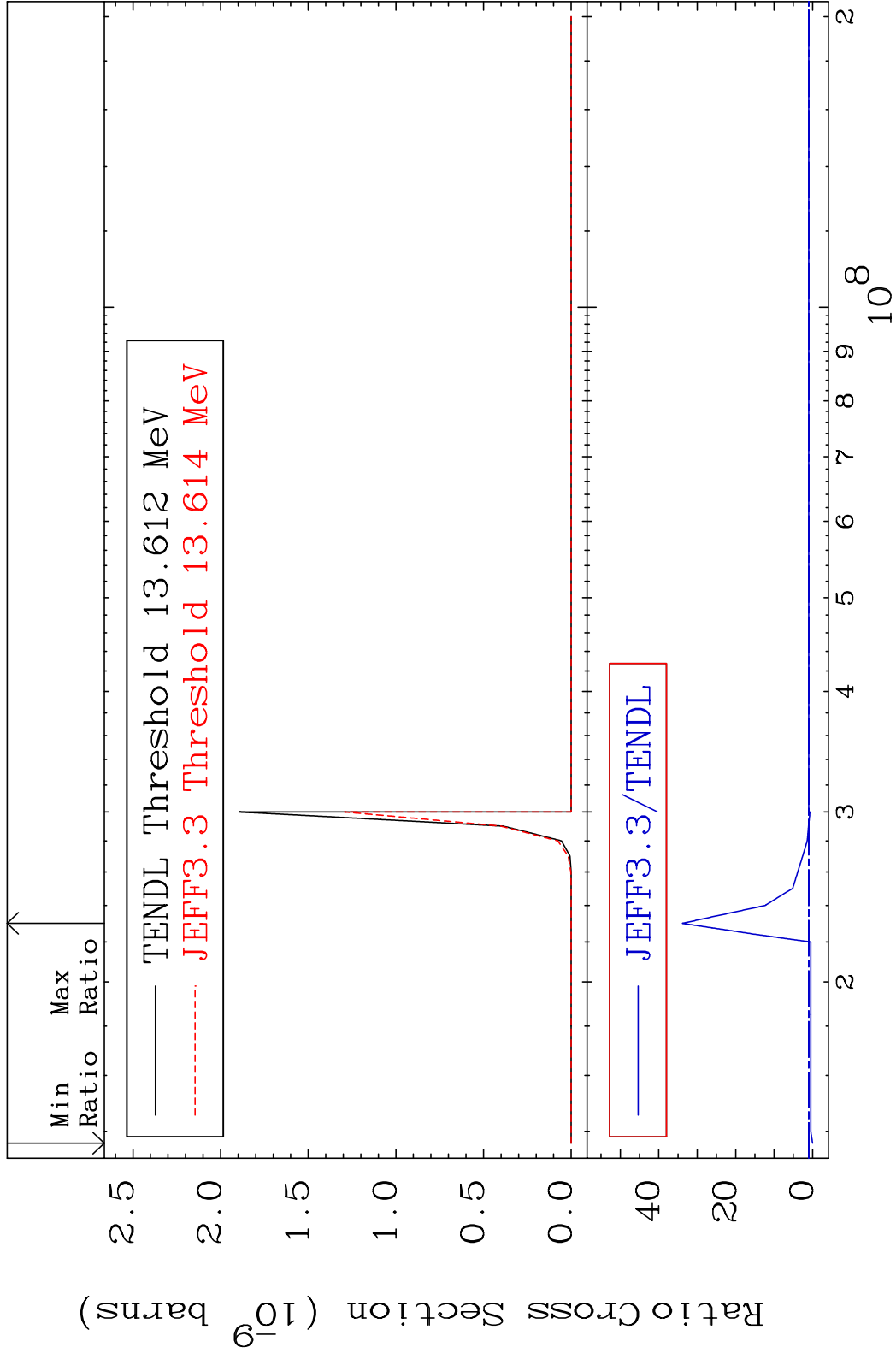
100 Incident Energy (eV) 51-Sb-124



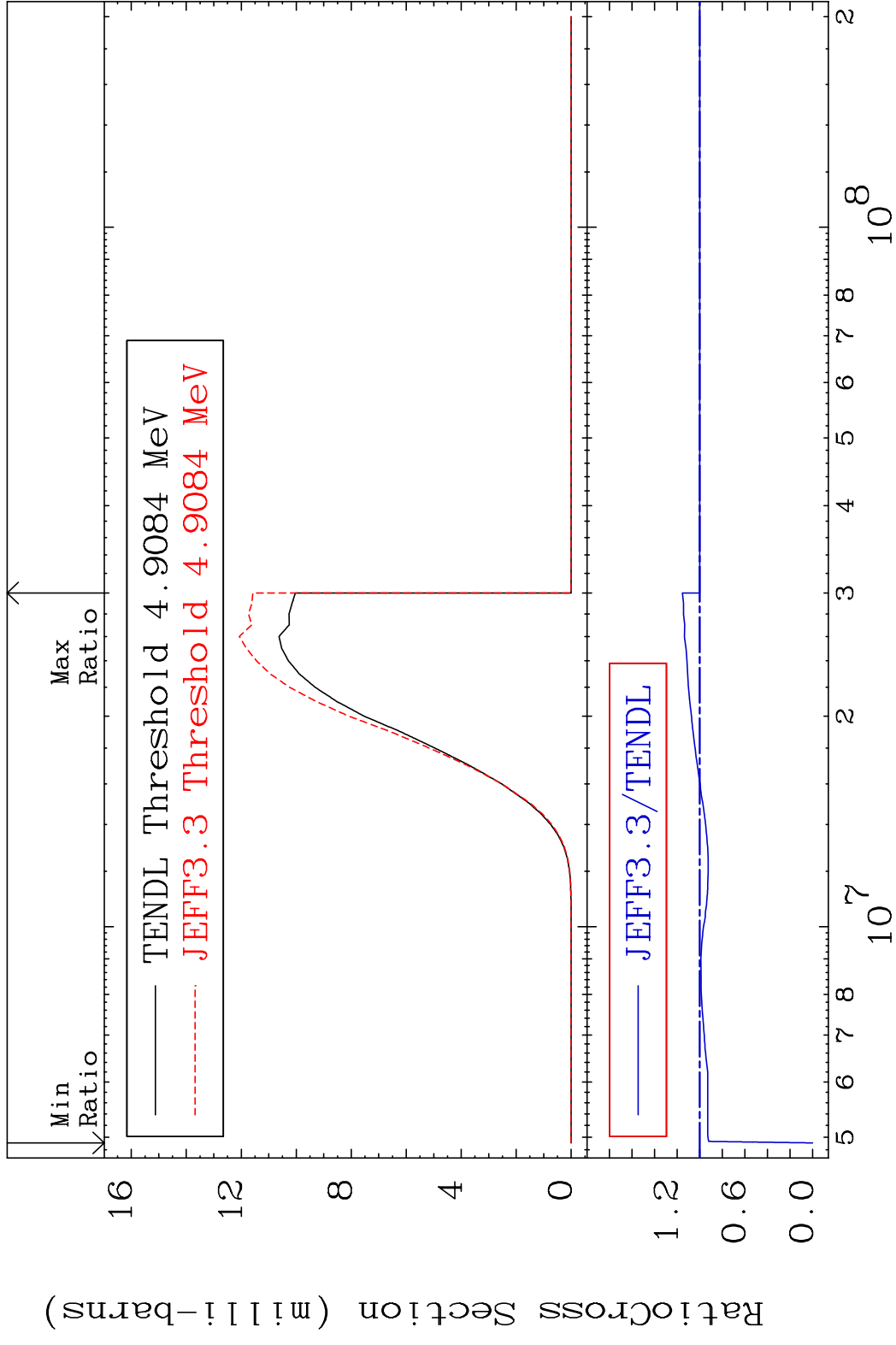




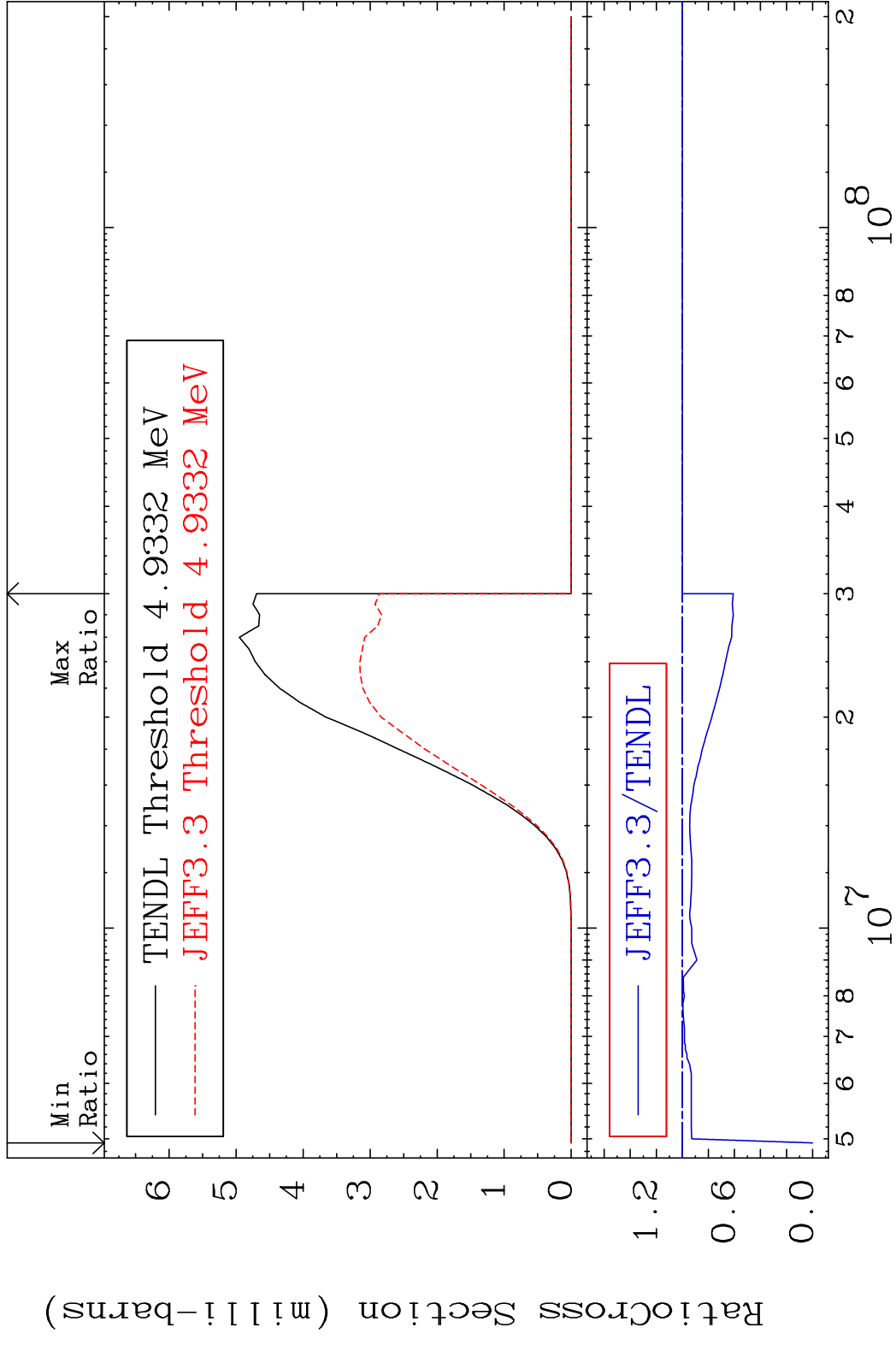


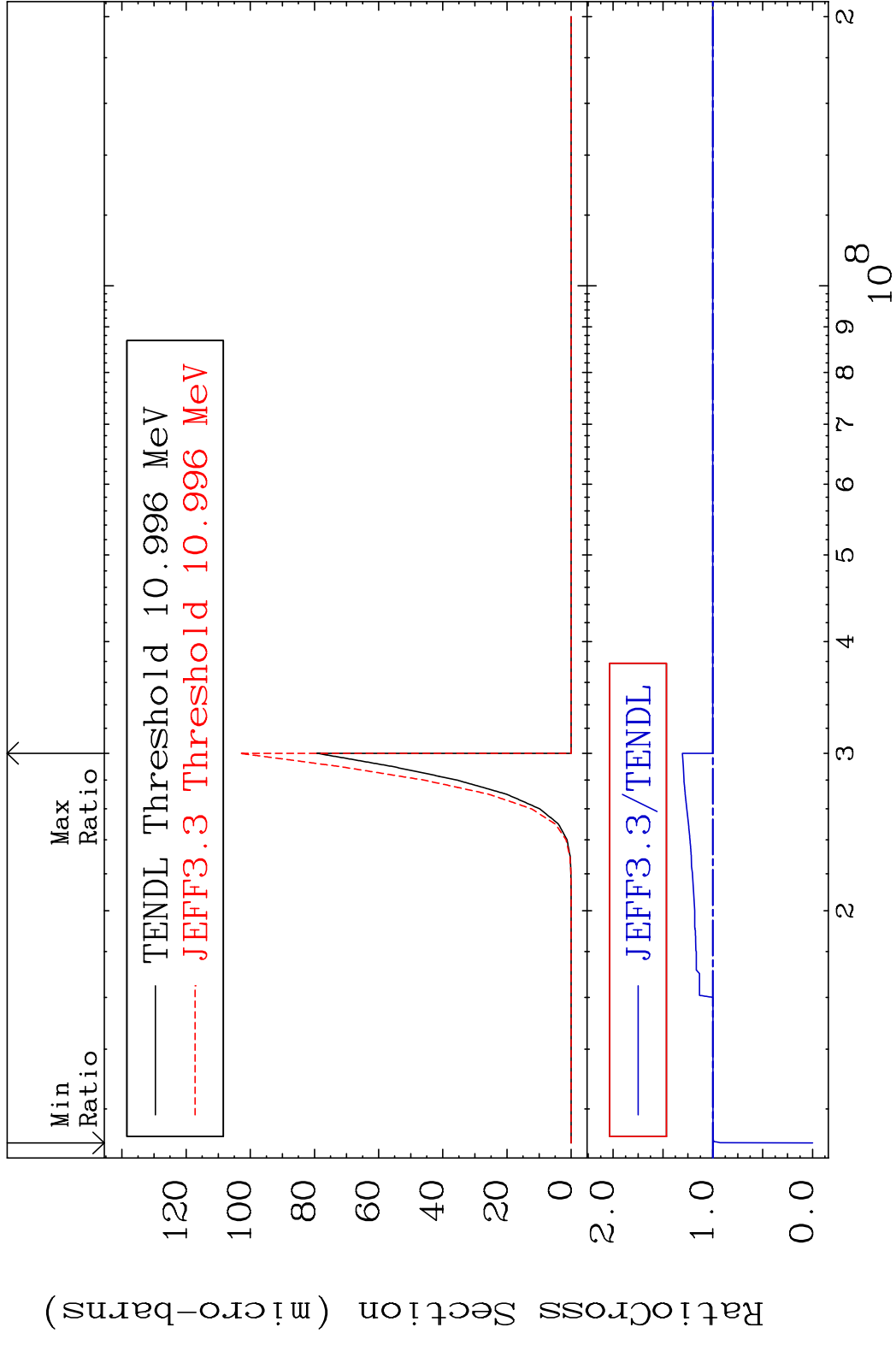


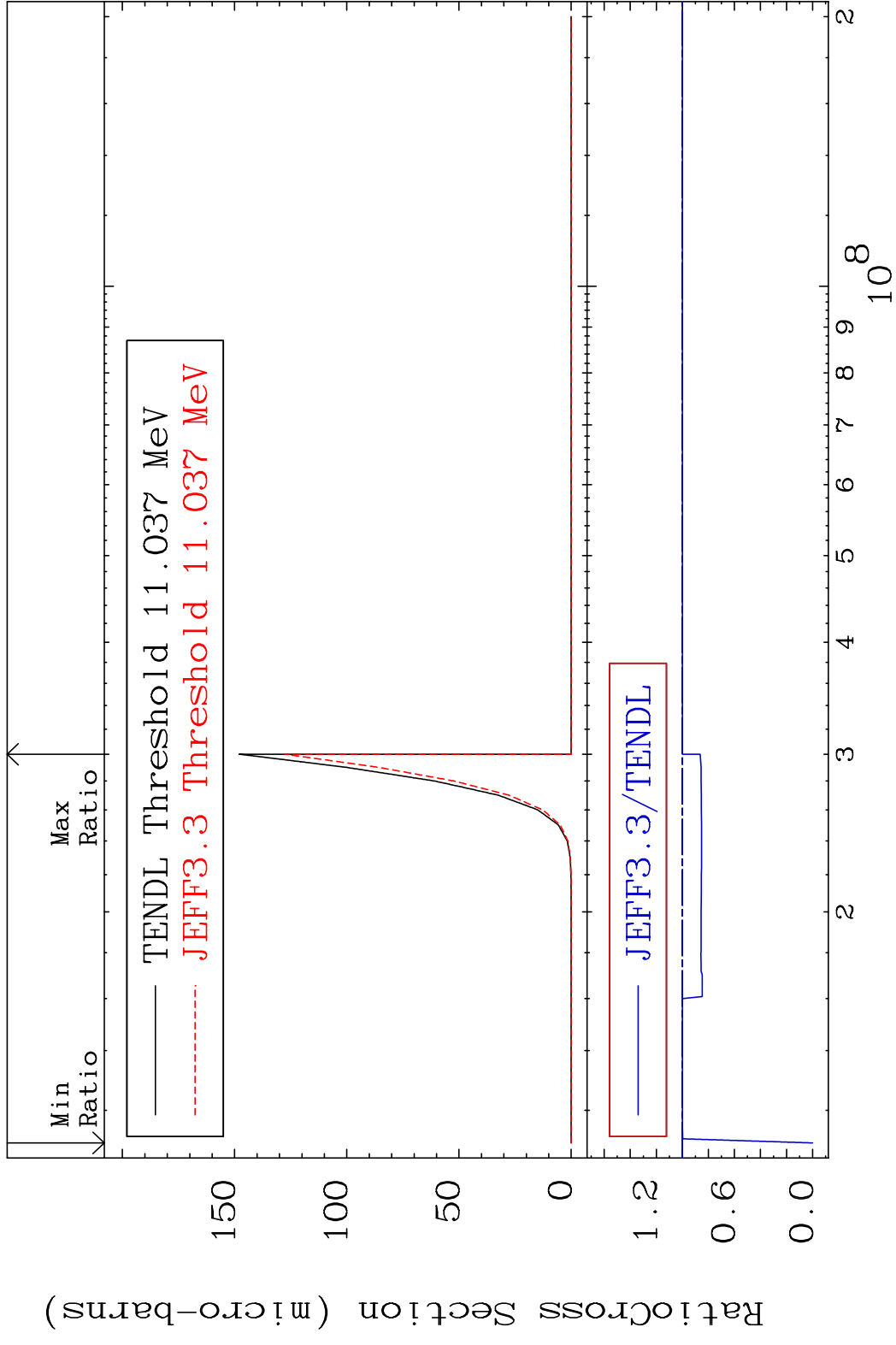
MAT 5134 (n, d):50-Sn-123g 51-Sb-124  
 Radionuclide Production Cross Section 15.37 %



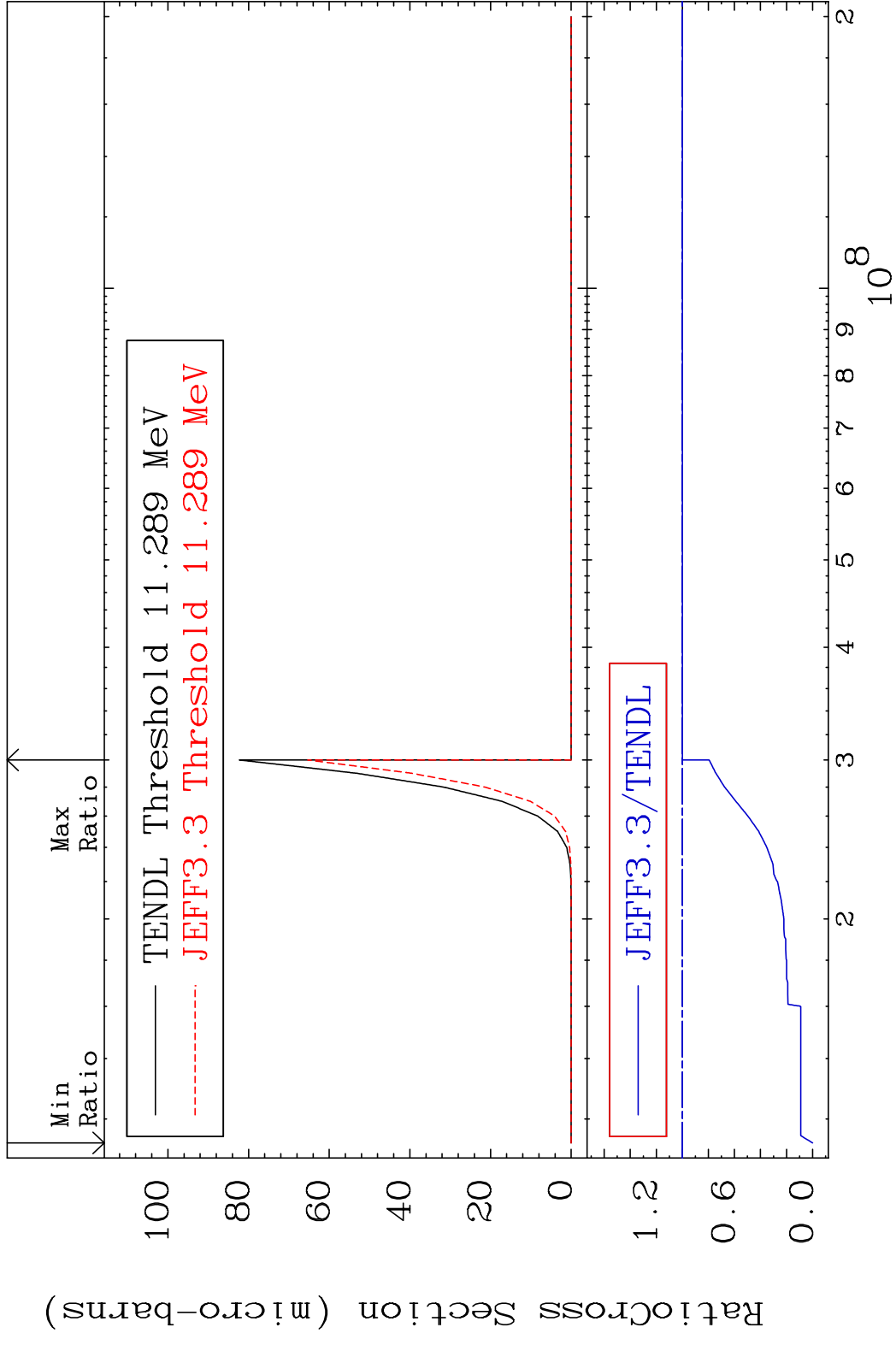
MAT 5134 (n, d):50-Sn-123m1 51-Sb-124  
 Radionuclide Production Cross Section 0.000 %



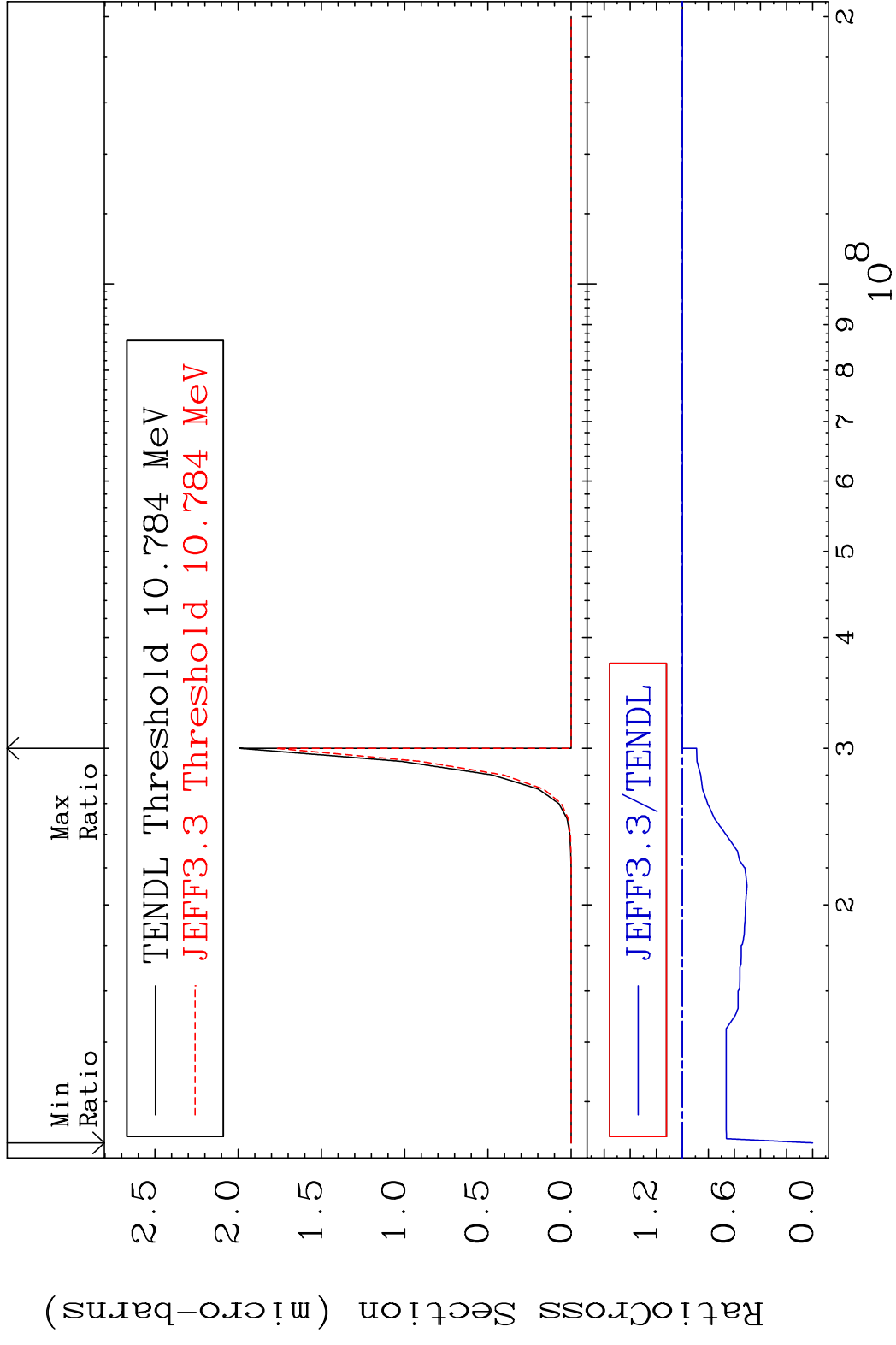


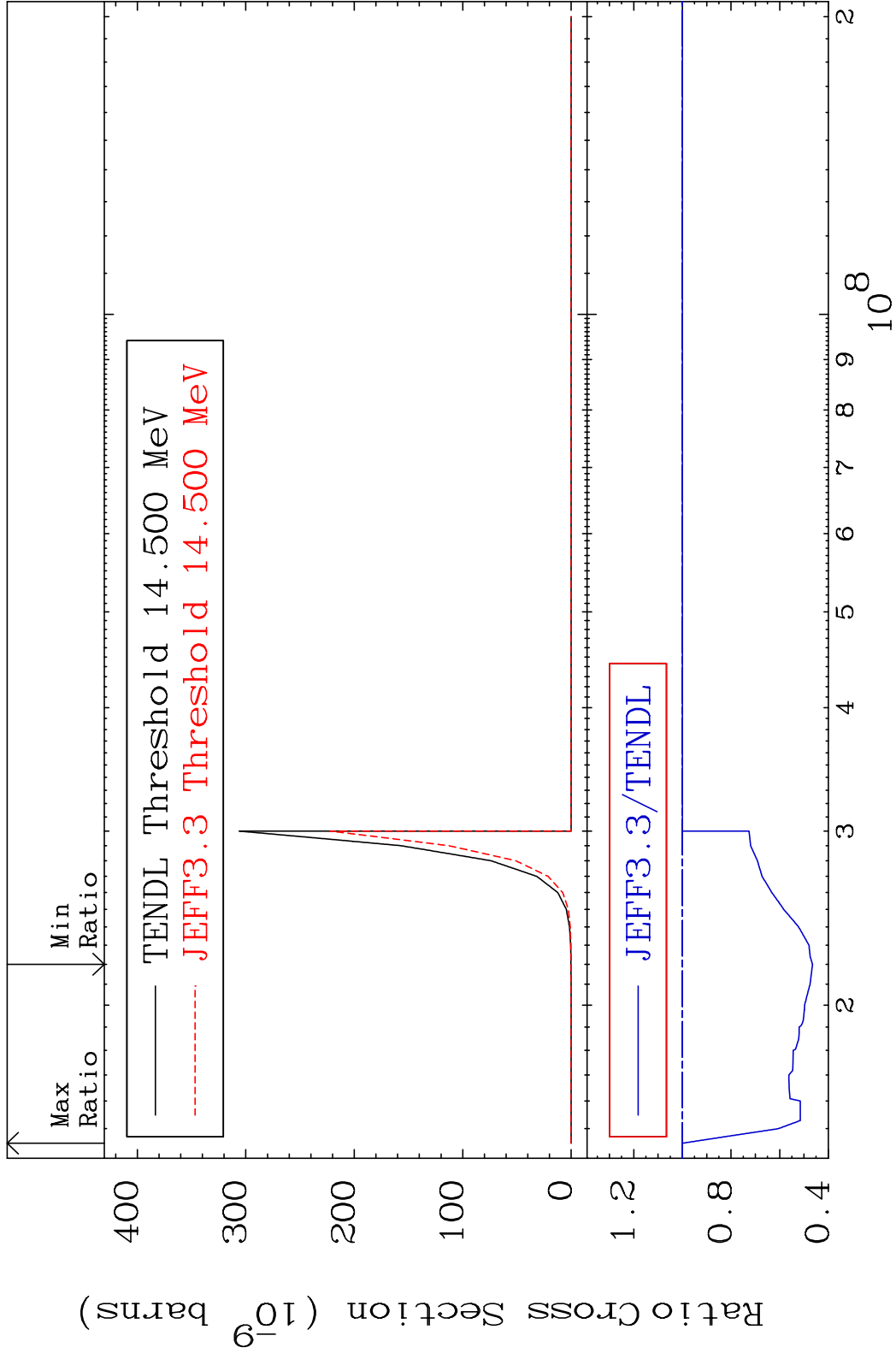


MAT 5134 (n, He-3) : 49-In-122m5 51-Sb-124  
 Radionuclide Production Cross Section 1800 d to 0.000 %

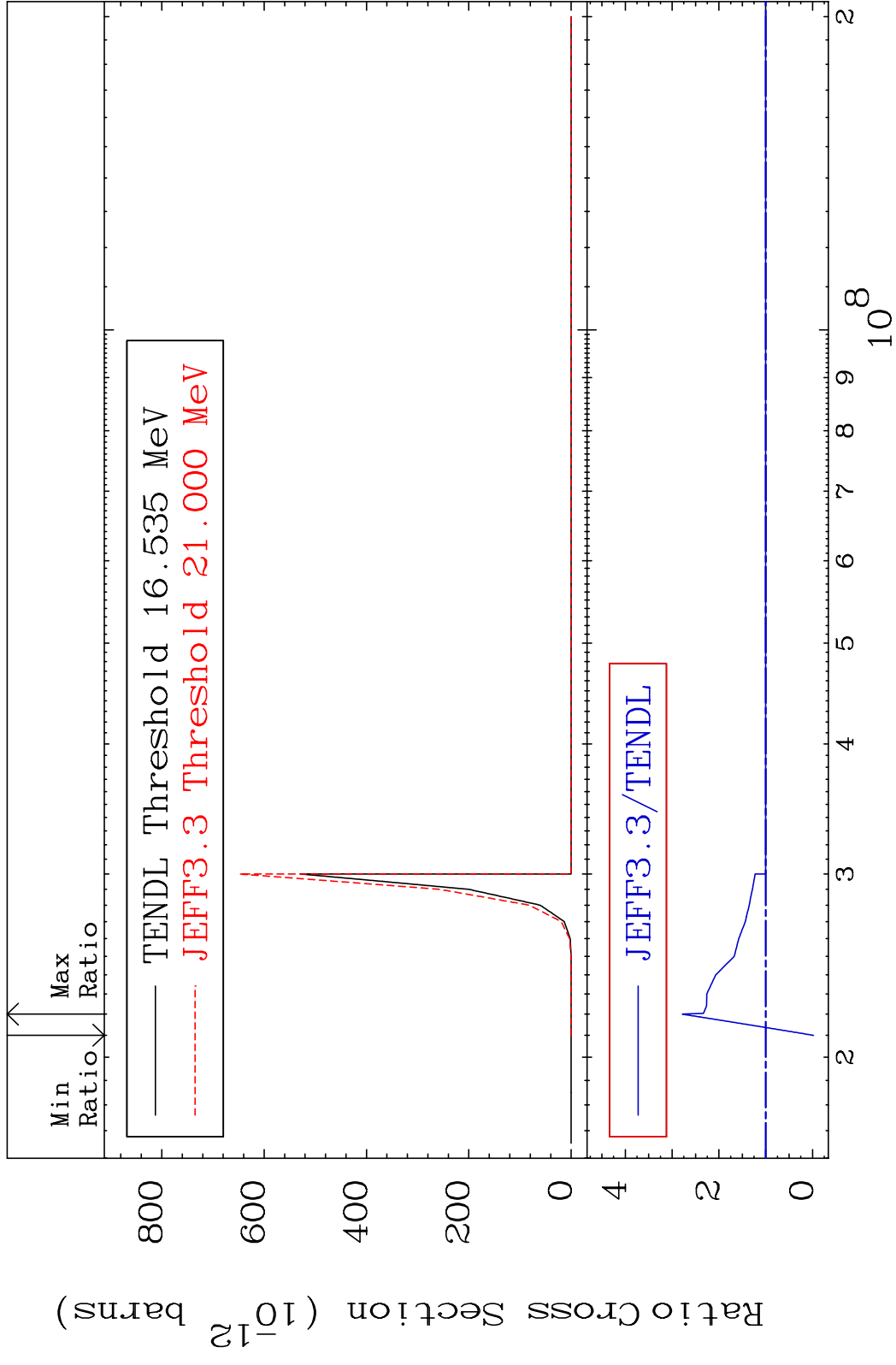


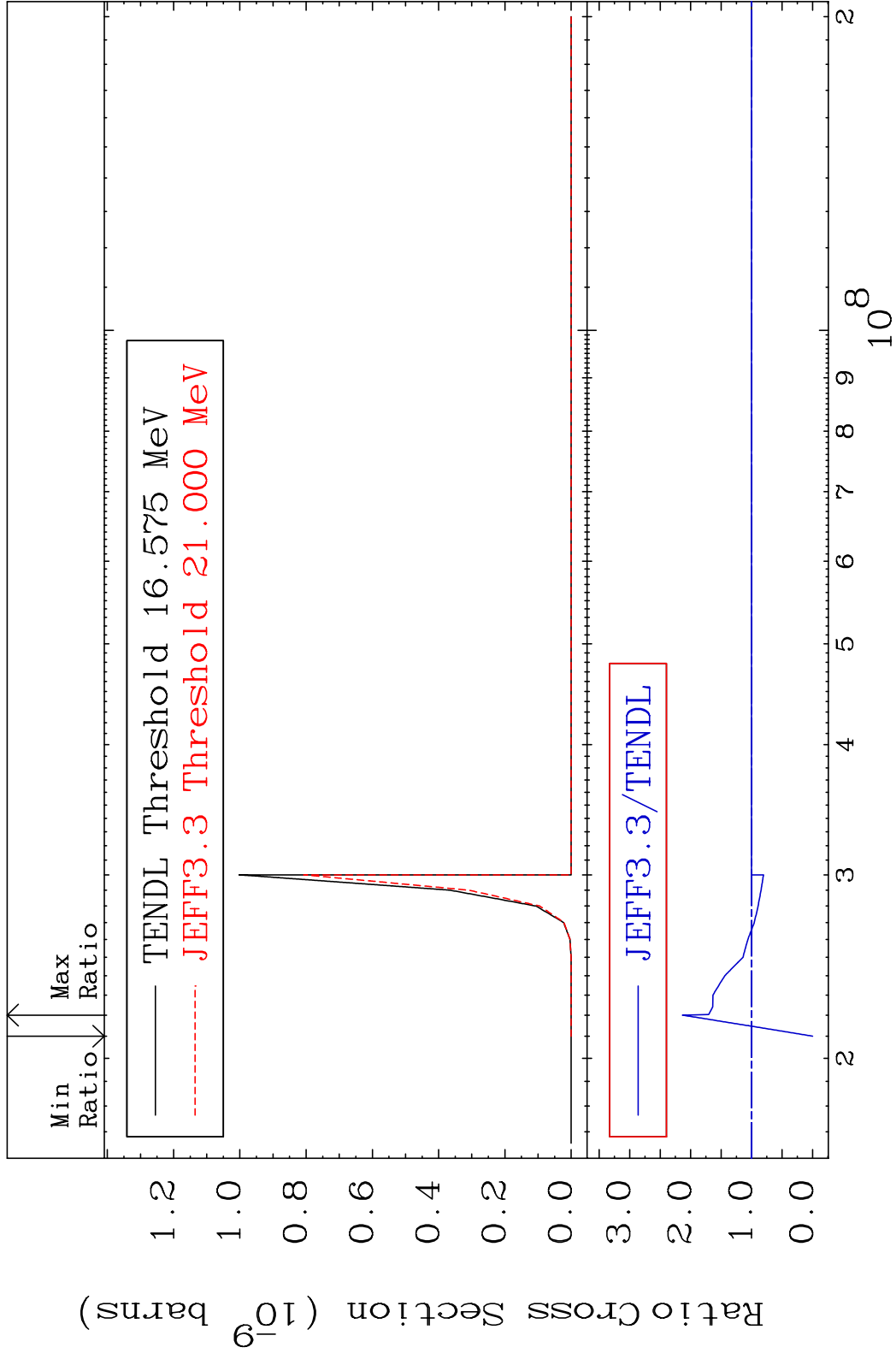
MAT 5134 (n,2p):49-In-123g 51-Sb-124  
 Radionuclide Production Cross Section 100.000 %











MAT 5134 (n, p) d:49-In-122m5 51-Sb-124  
 Radionuclide Production Cross Section 127.2 %

