

Program Complot  
(Version 2021-1)

by

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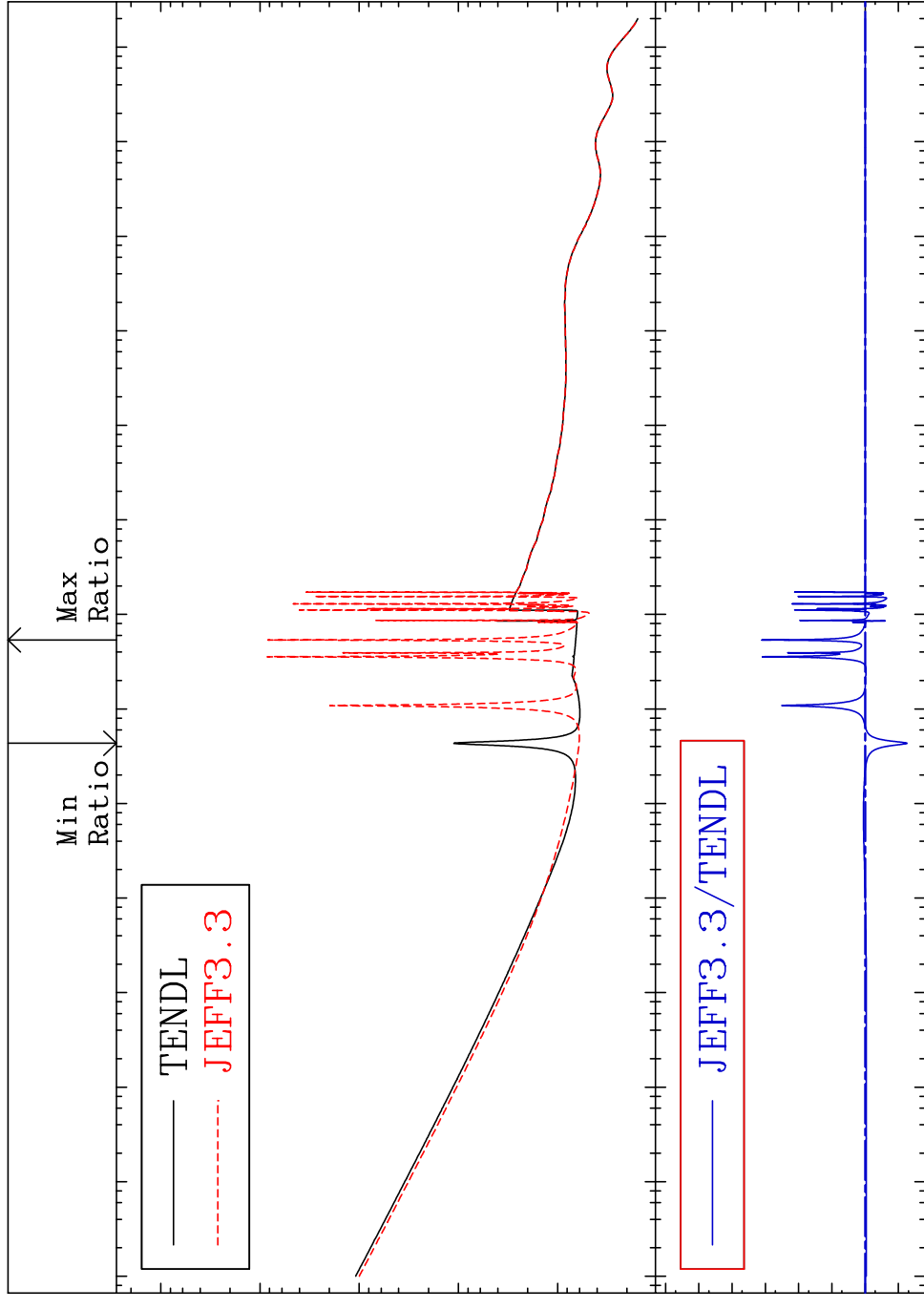
Press Mouse Button to Start

MAT 3922

39-Y -88

Total

Cross Section -94.56 To 9999. %



Min Ratio

Max Ratio

Cross Section (barns)

Ratio

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)

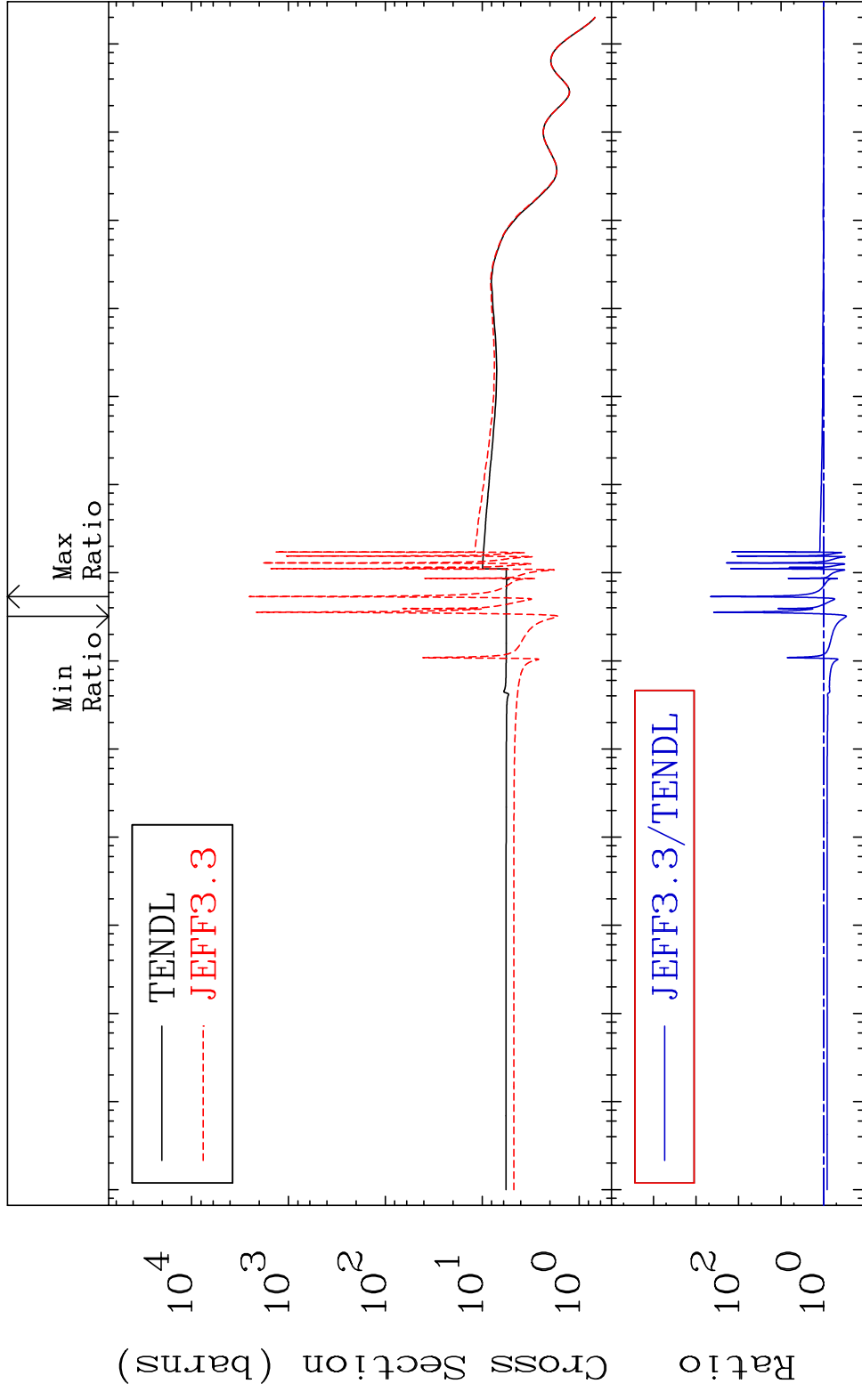
39-Y -88

MAT 3922

39-Y -88

Elastic

Cross Section -70.66 To 9999. %

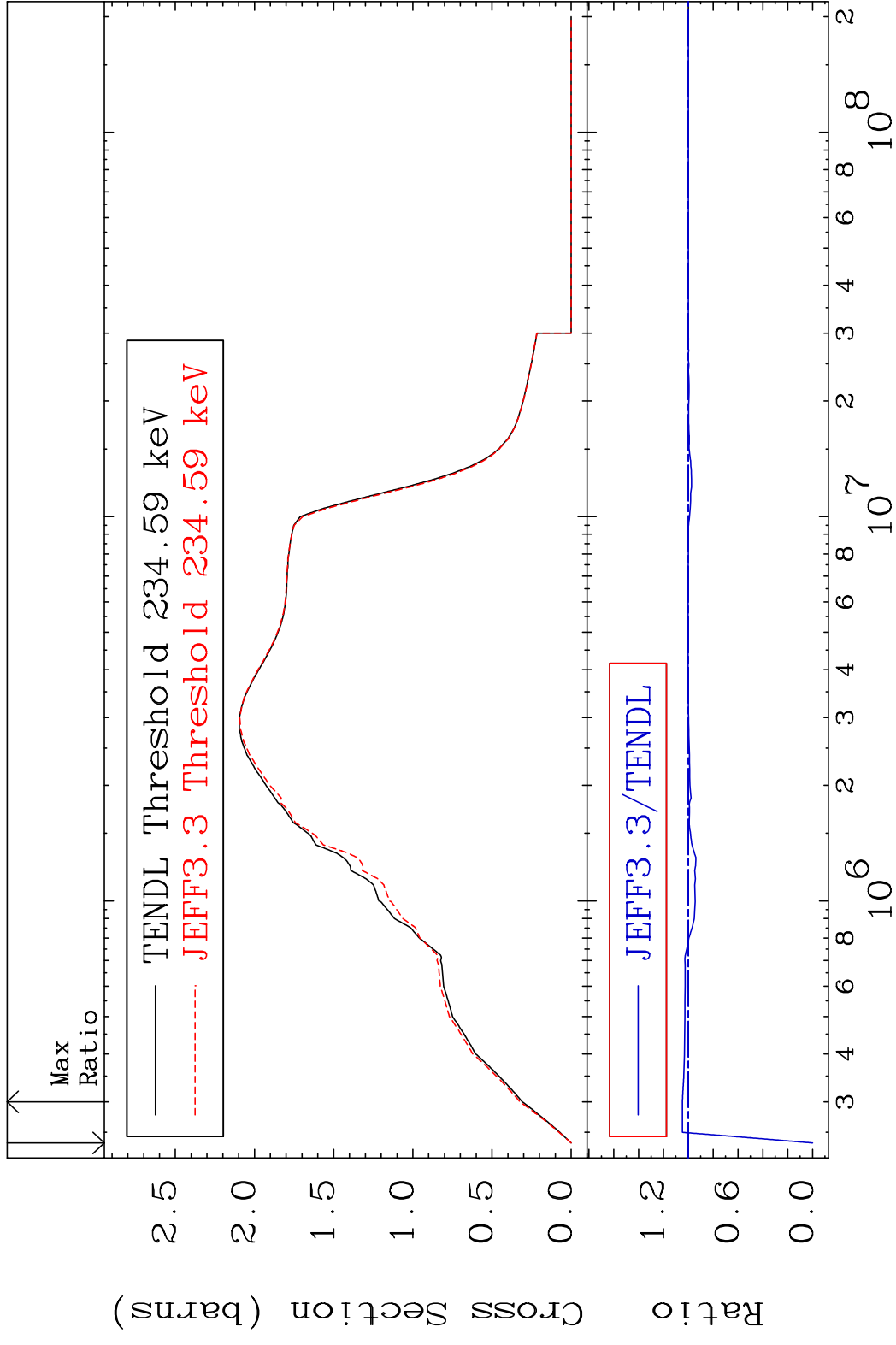


2

Incident Energy (eV)

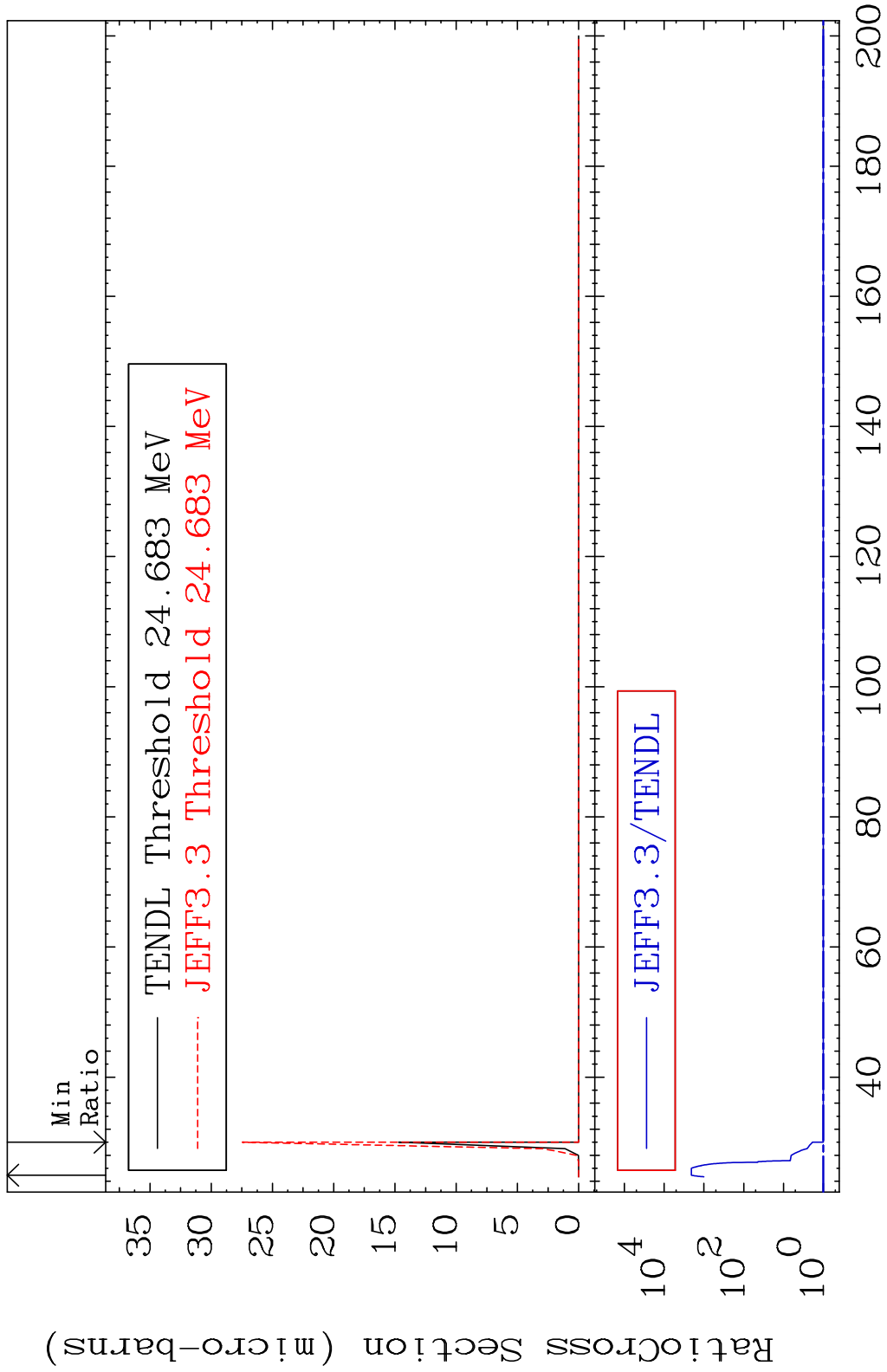
39-Y -88

MAT 3922 Inelastic 39-Y -88  
 Cross Section -100.0 To 4.792 %



3 Incident Energy (eV) 39-Y -88

MAT 3922 (n,2n) d 39-Y -88  
 Cross Section 0.000 To 9999. %



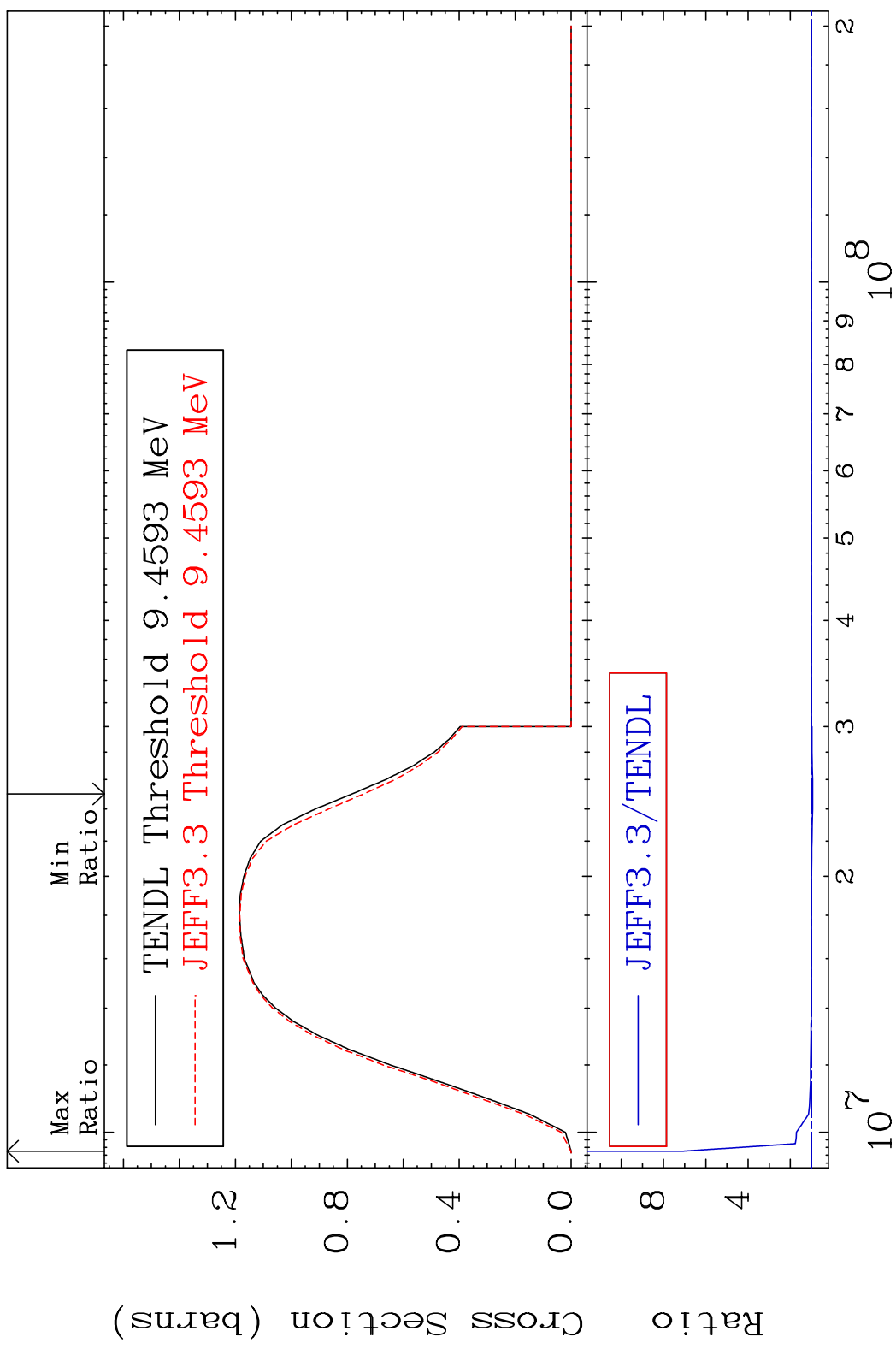
4 Incident Energy (MeV) 39-Y -88

MAT 3922

(n,2n)

39-Y -88

Cross Section -5.301 To 611.1 %



39-Y -88

Incident Energy (eV)

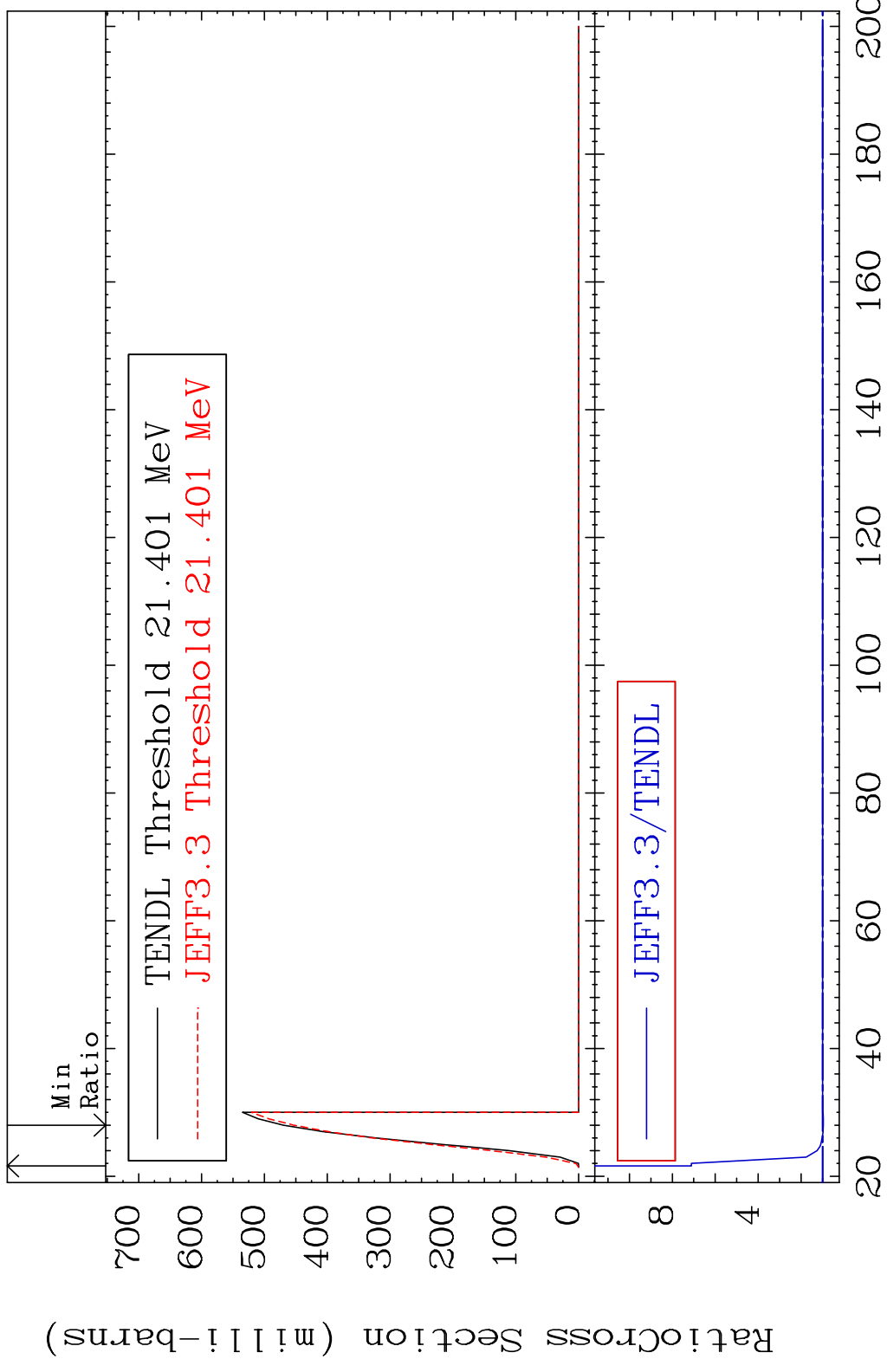
5

MAT 3922

(n,3n)

39-Y -88

Cross Section -3.443 To 611.4 %

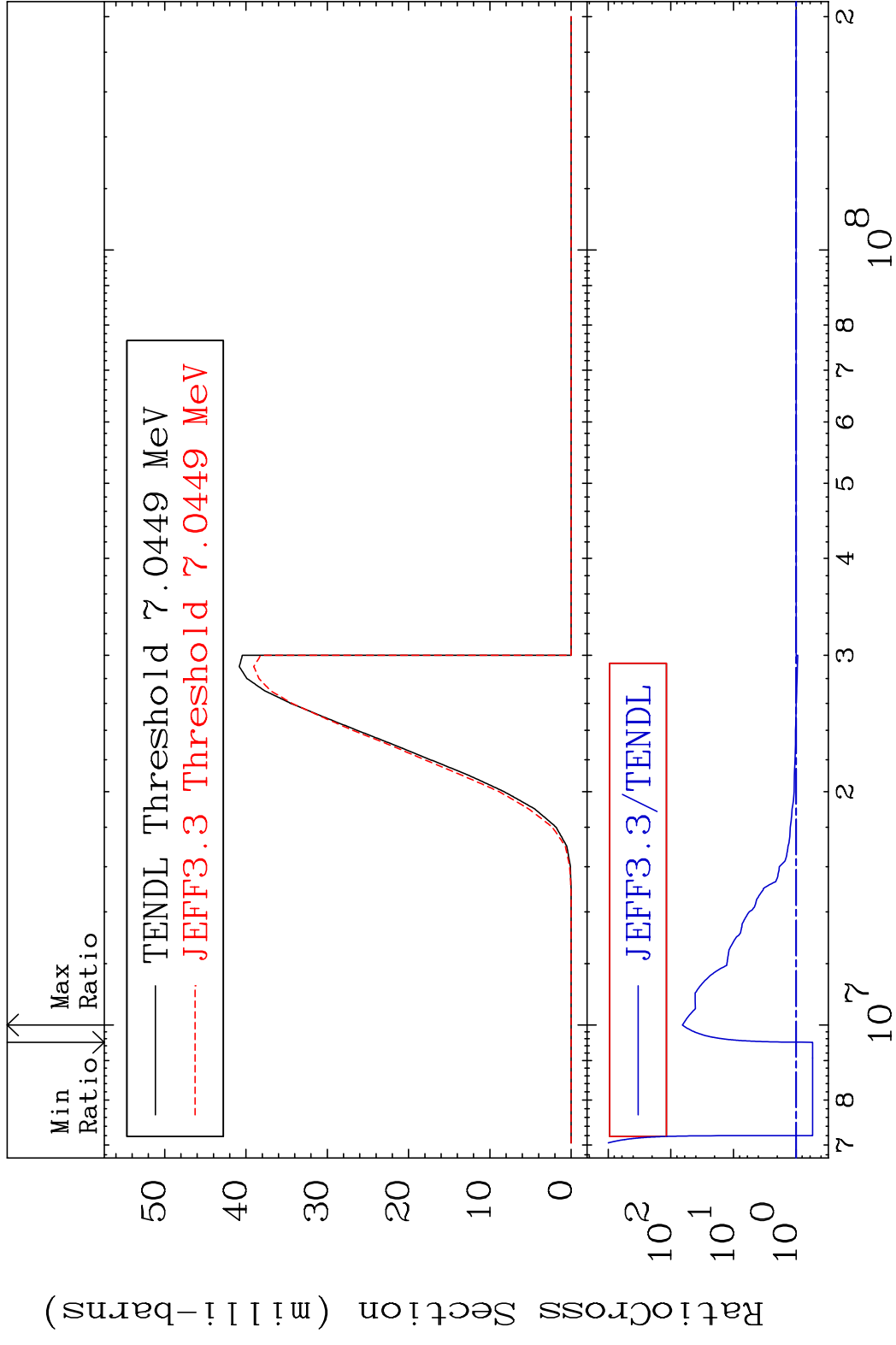


6

Incident Energy (MeV)

39-Y -88

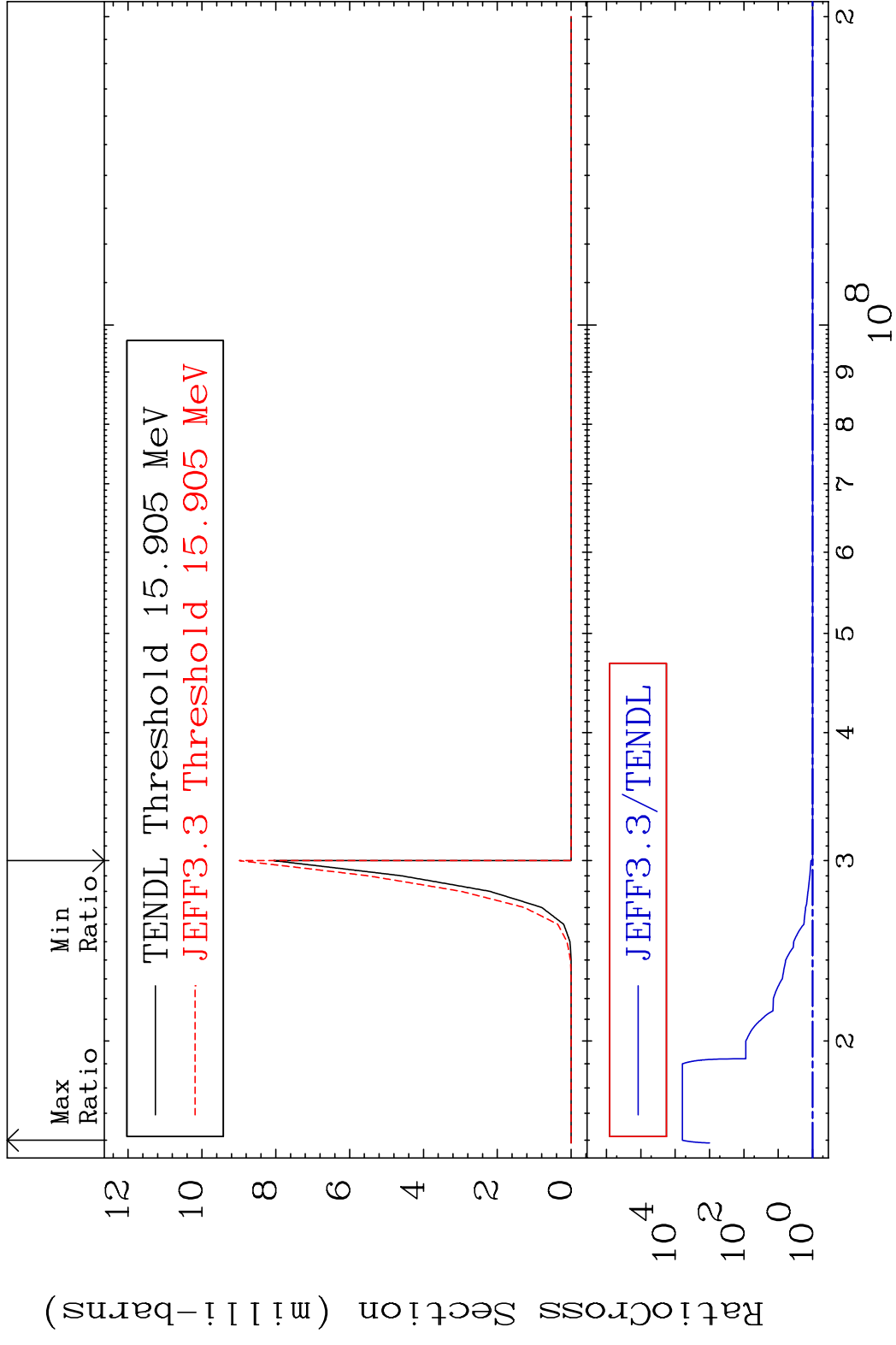
MAT 3922 (n, n')  $\alpha$  39-Y -88  
 Cross Section -45.34 To 6443. %



7 Incident Energy (eV) 39-Y -88



MAT 3922 (n,2n)  $\alpha$  39-Y -88  
 Cross Section 0.000 To 9999. %



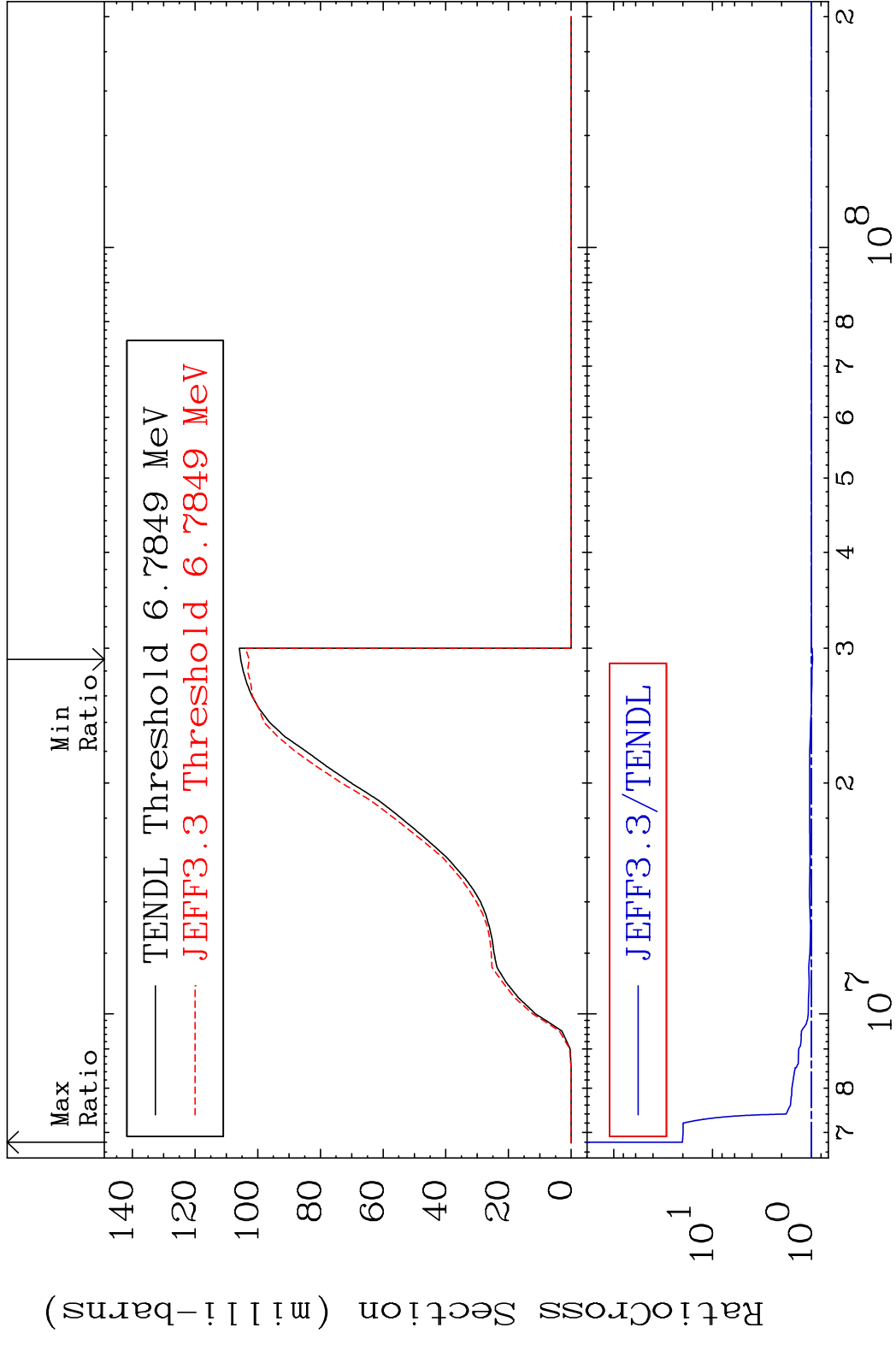
8 Incident Energy (eV) 39-Y -88

MAT 3922

(n, n') p

39-Y -88

Cross Section -2.574 To 1922. %



9

Incident Energy (eV)

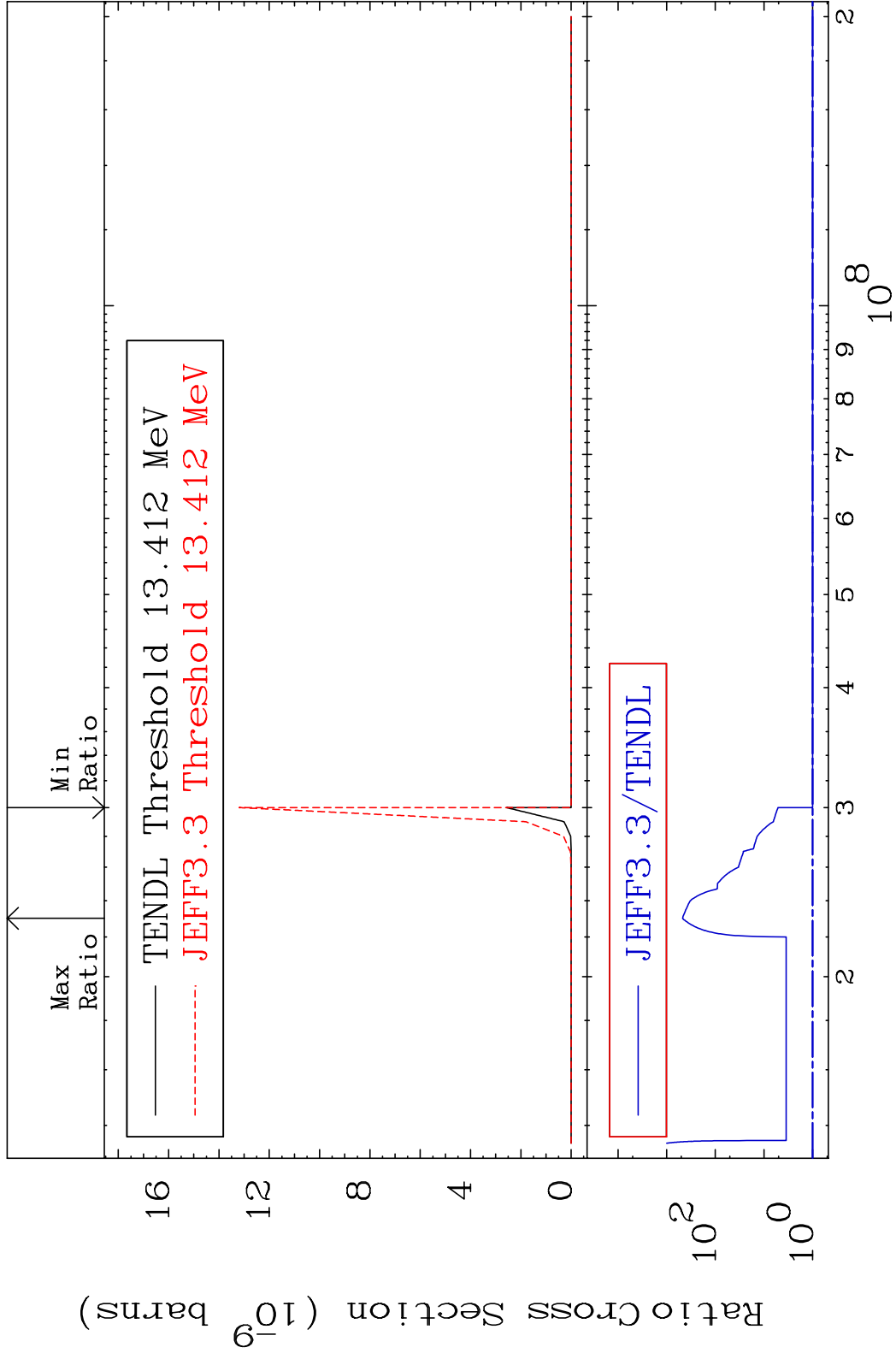
39-Y -88

MAT 3922

(n, n') 2α

39-Y -88

Cross Section 0.000 To 9999. %



10

Incident Energy (eV)

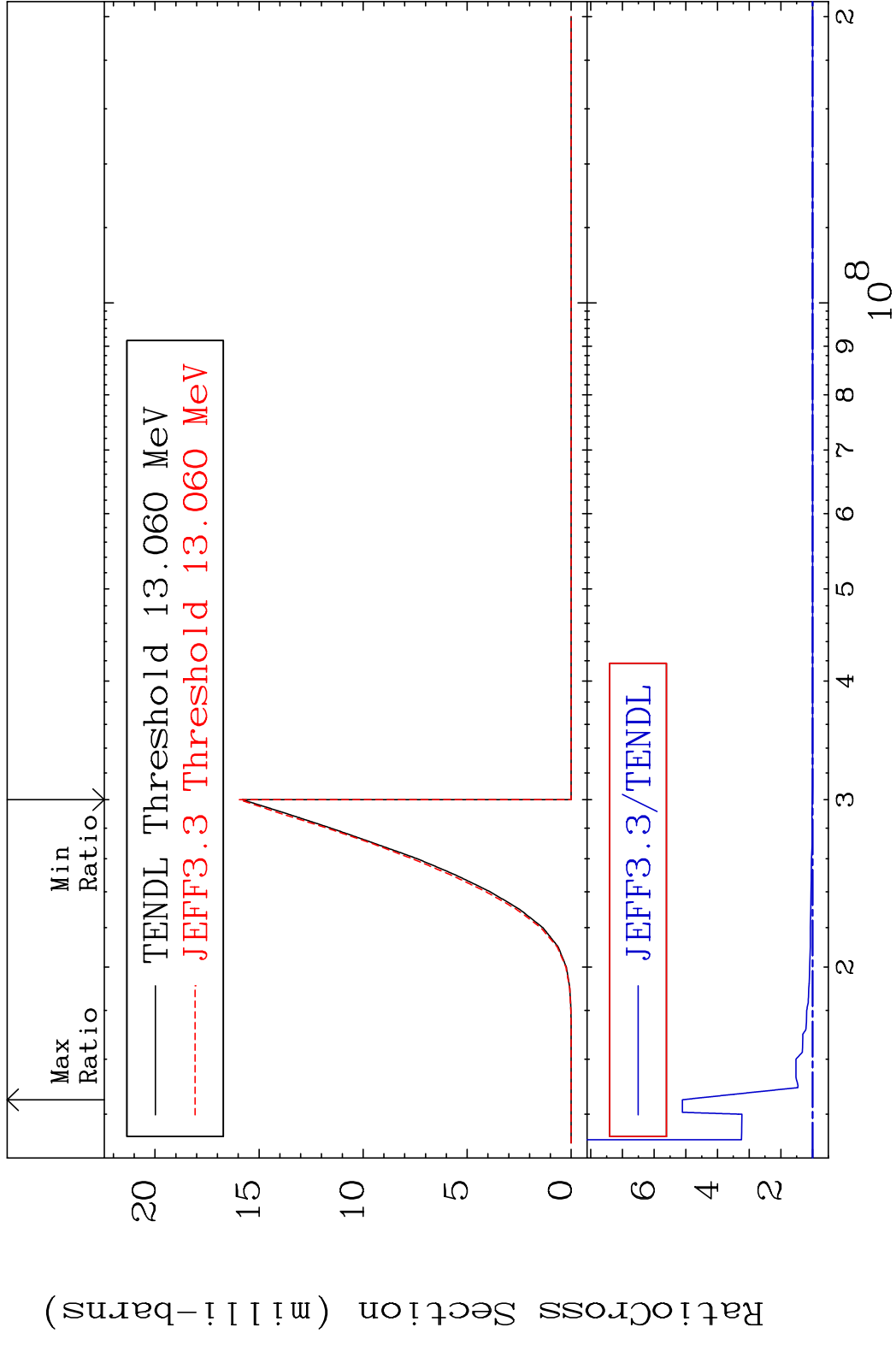
39-Y -88

MAT 3922

(n, n') d

39-Y -88

Cross Section 0.000 To 411.0 %



11

Incident Energy (eV)

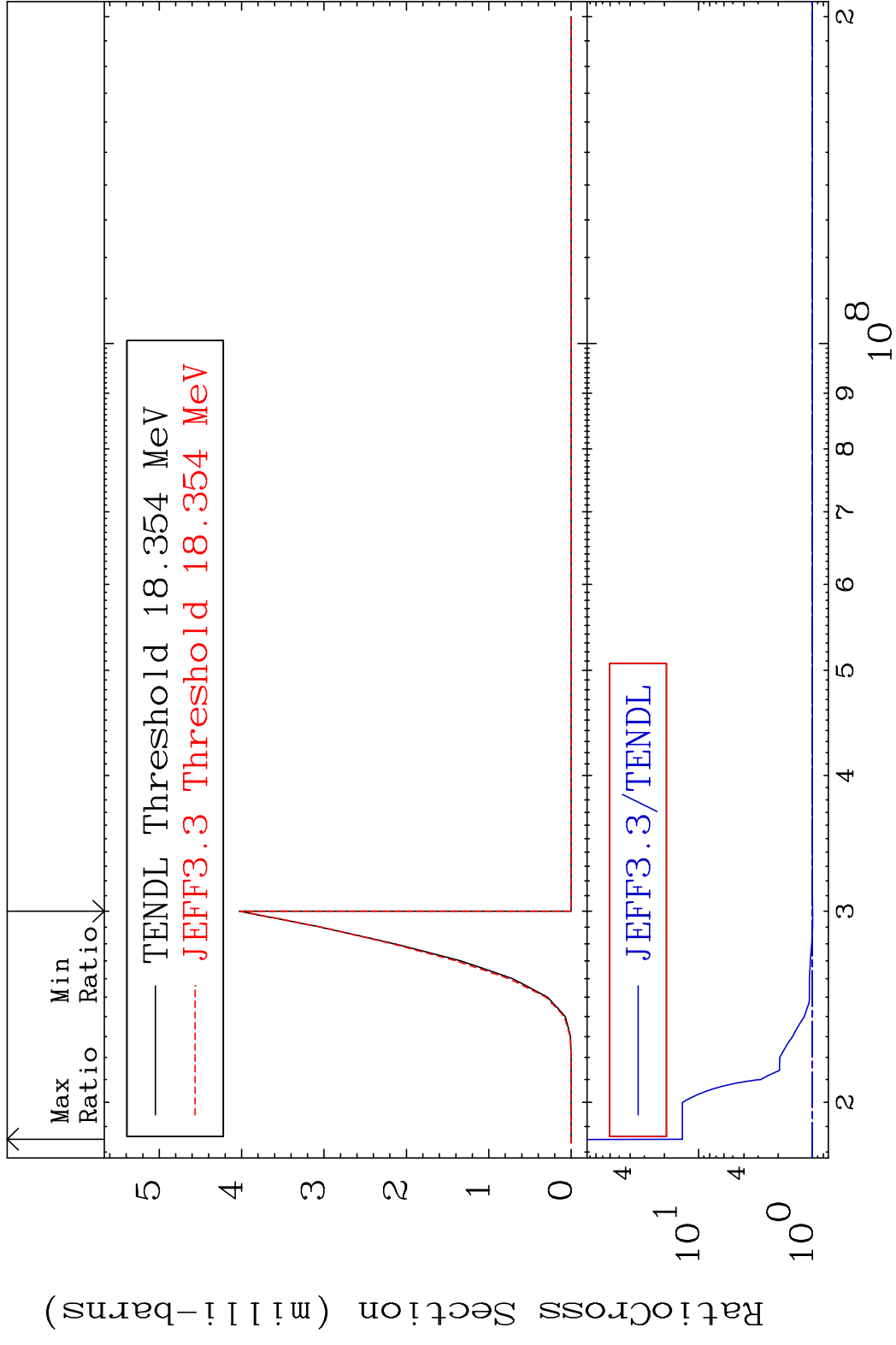
39-Y -88

MAT 3922

(n, n') t

39-Y -88

Cross Section -0.342 To 1290. %



12

Incident Energy (eV)

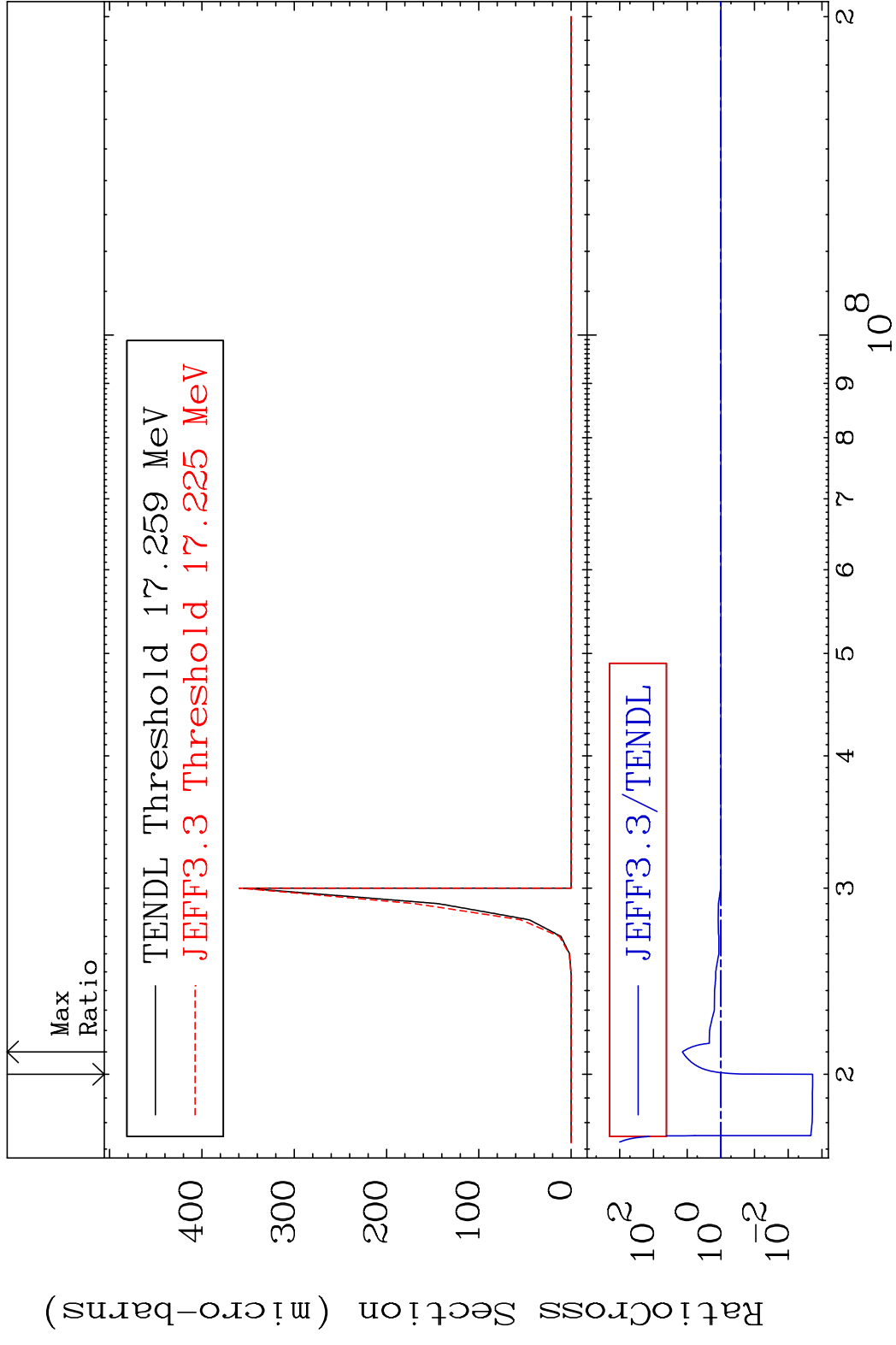
39-Y -88

MAT 3922

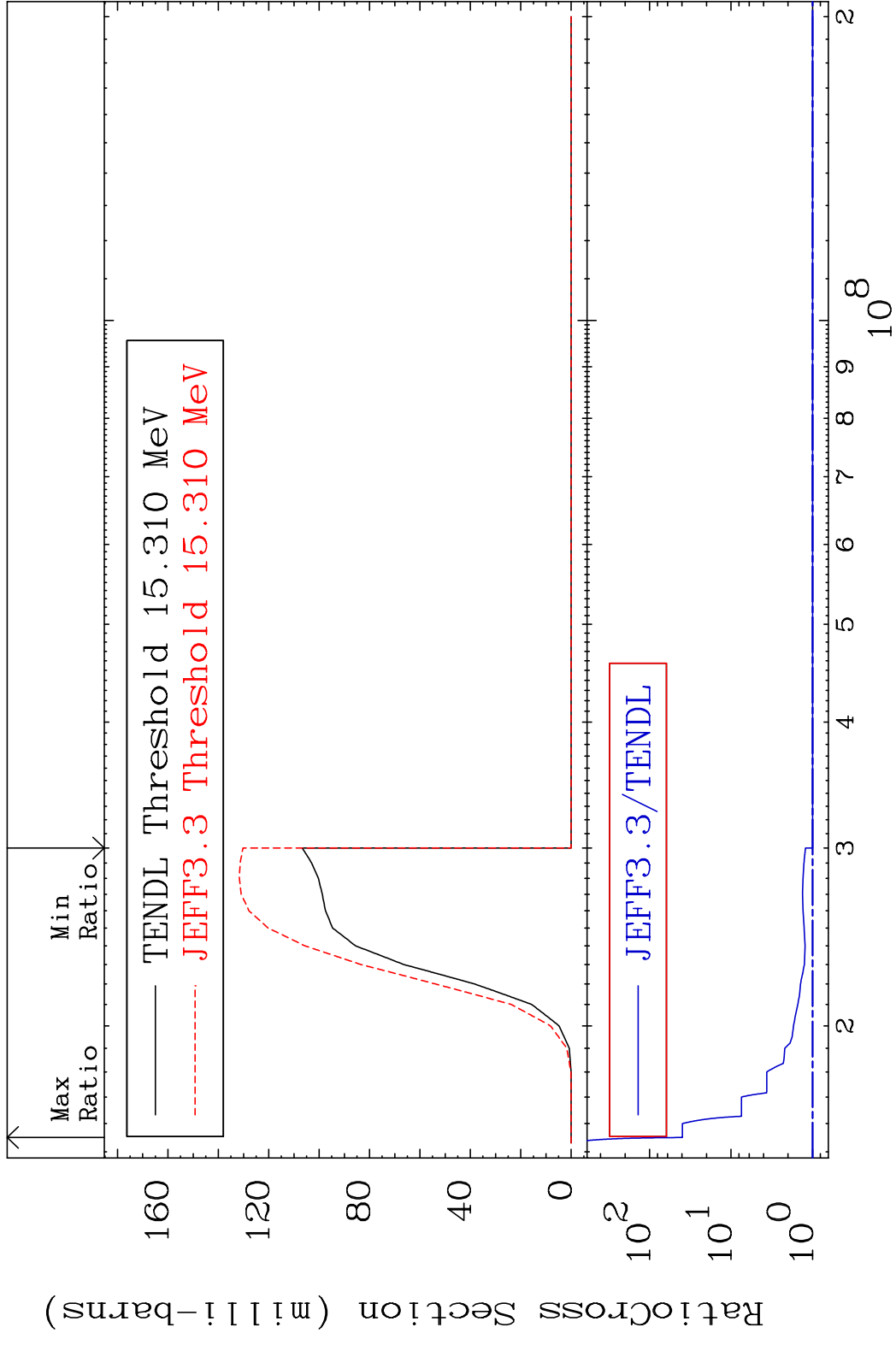
(n,n') He-3

39-Y -88

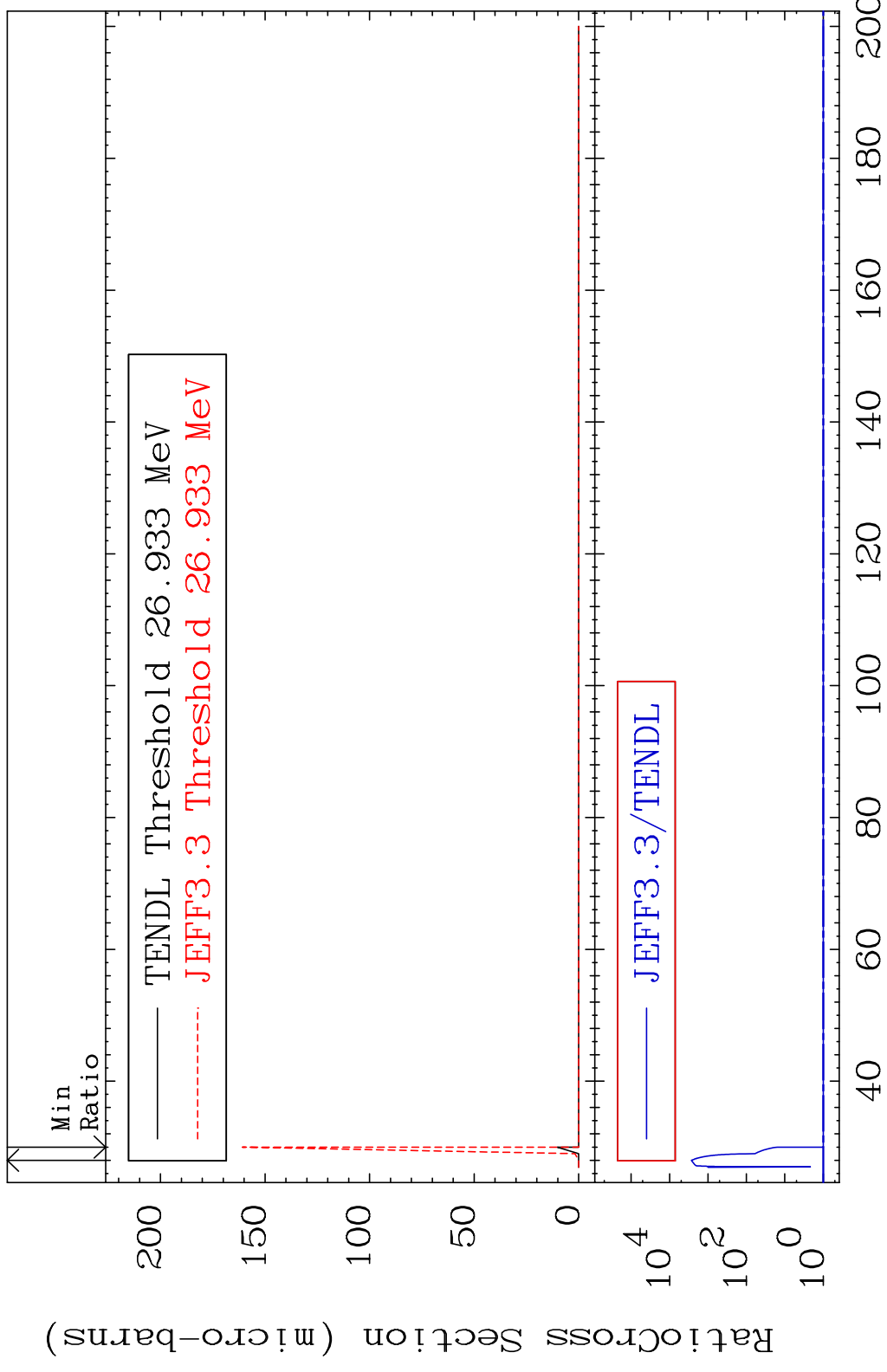
Cross Section -99.81 To 1290. %



MAT 3922 (n,2n) p 39-Y -88  
 Cross Section 0.000 To 3863. %

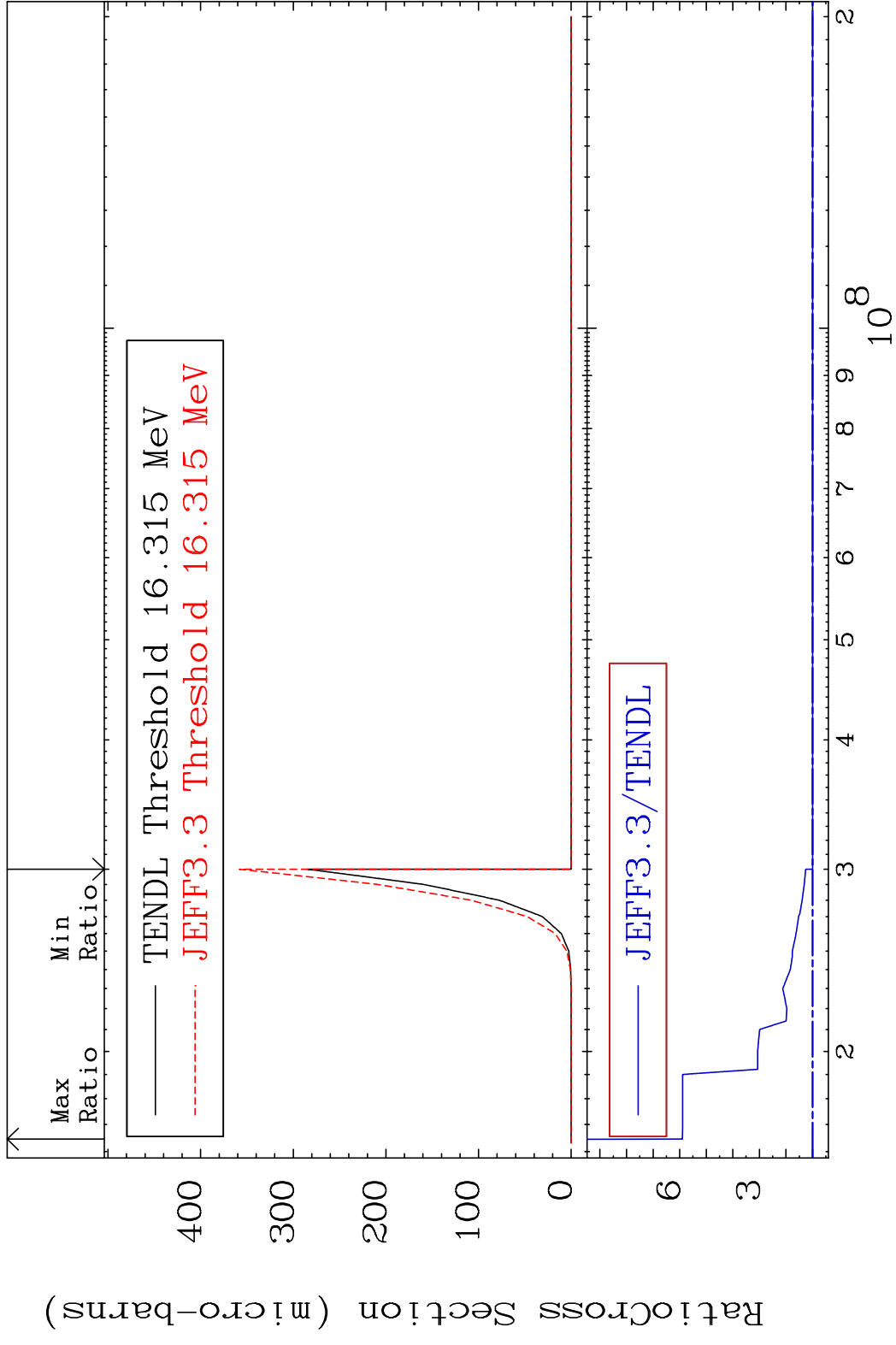


MAT 3922 (n,3n) p 39-Y -88  
 Cross Section 0.000 To 9999. %

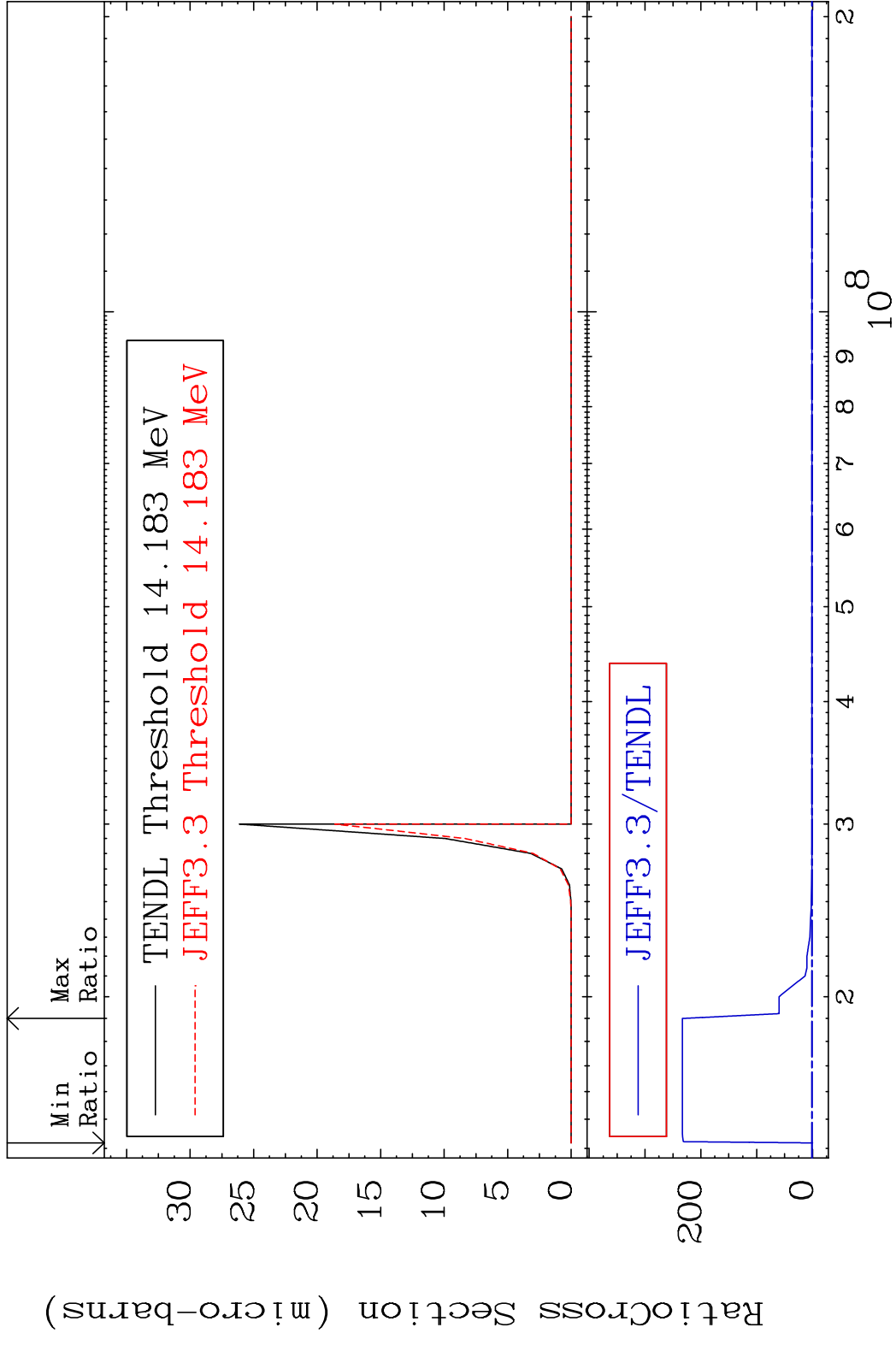




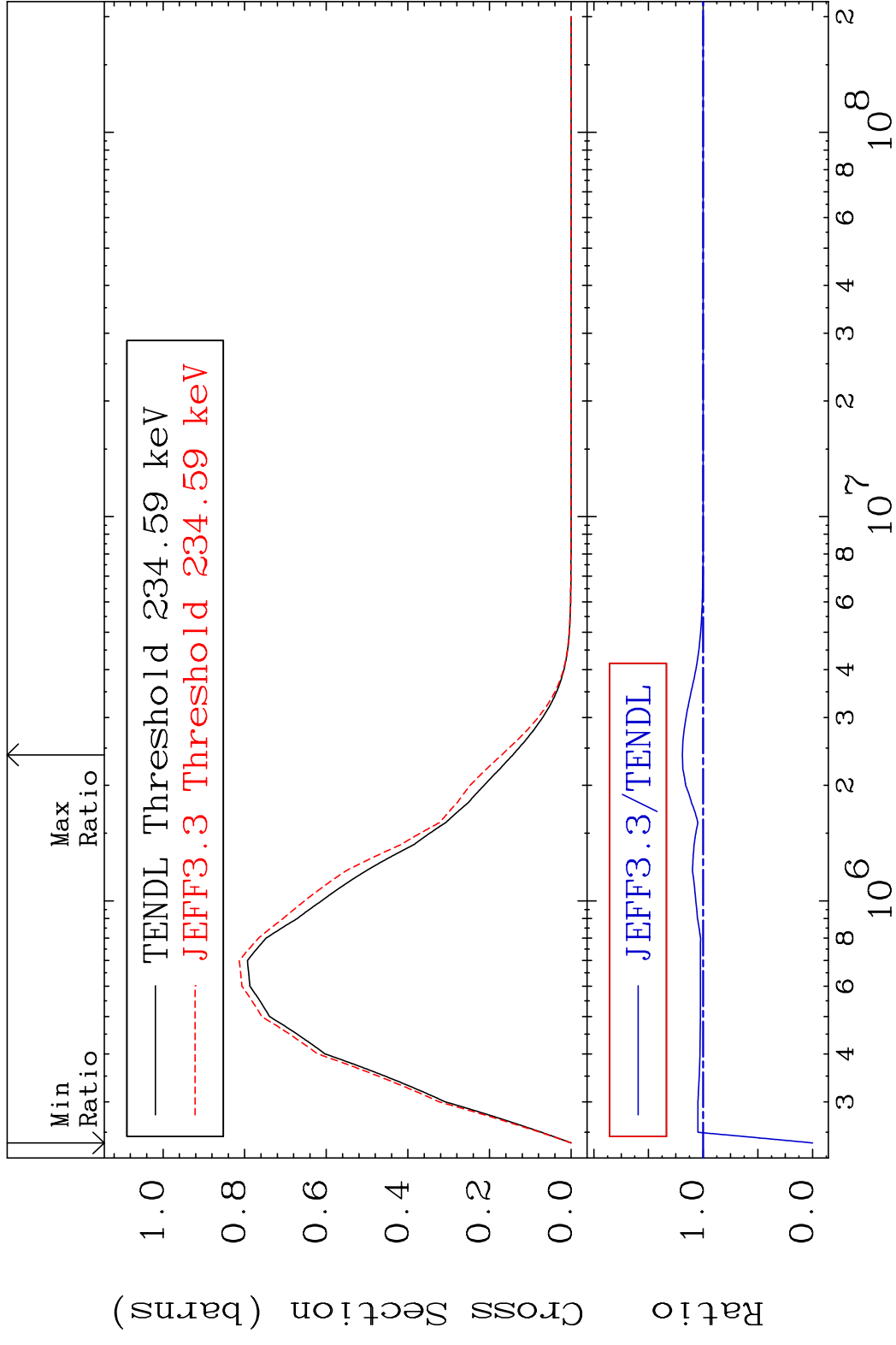
MAT 3922 (n,2n) p 39-Y -88  
 Cross Section 0.000 To 489.9 %



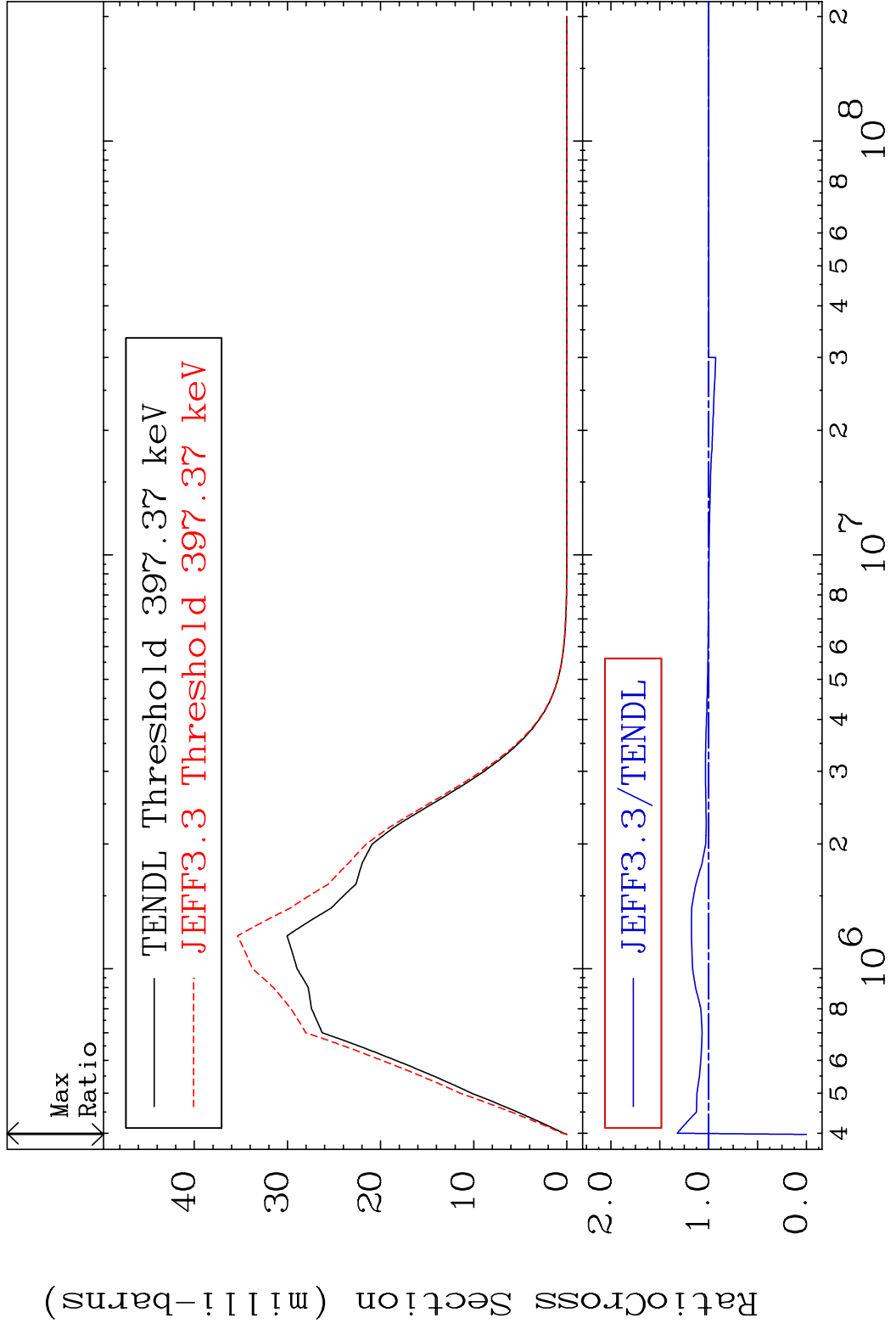
MAT 3922 (n,n') p  $\alpha$  39-Y -88  
 Cross Section -100.0 To 9999. %



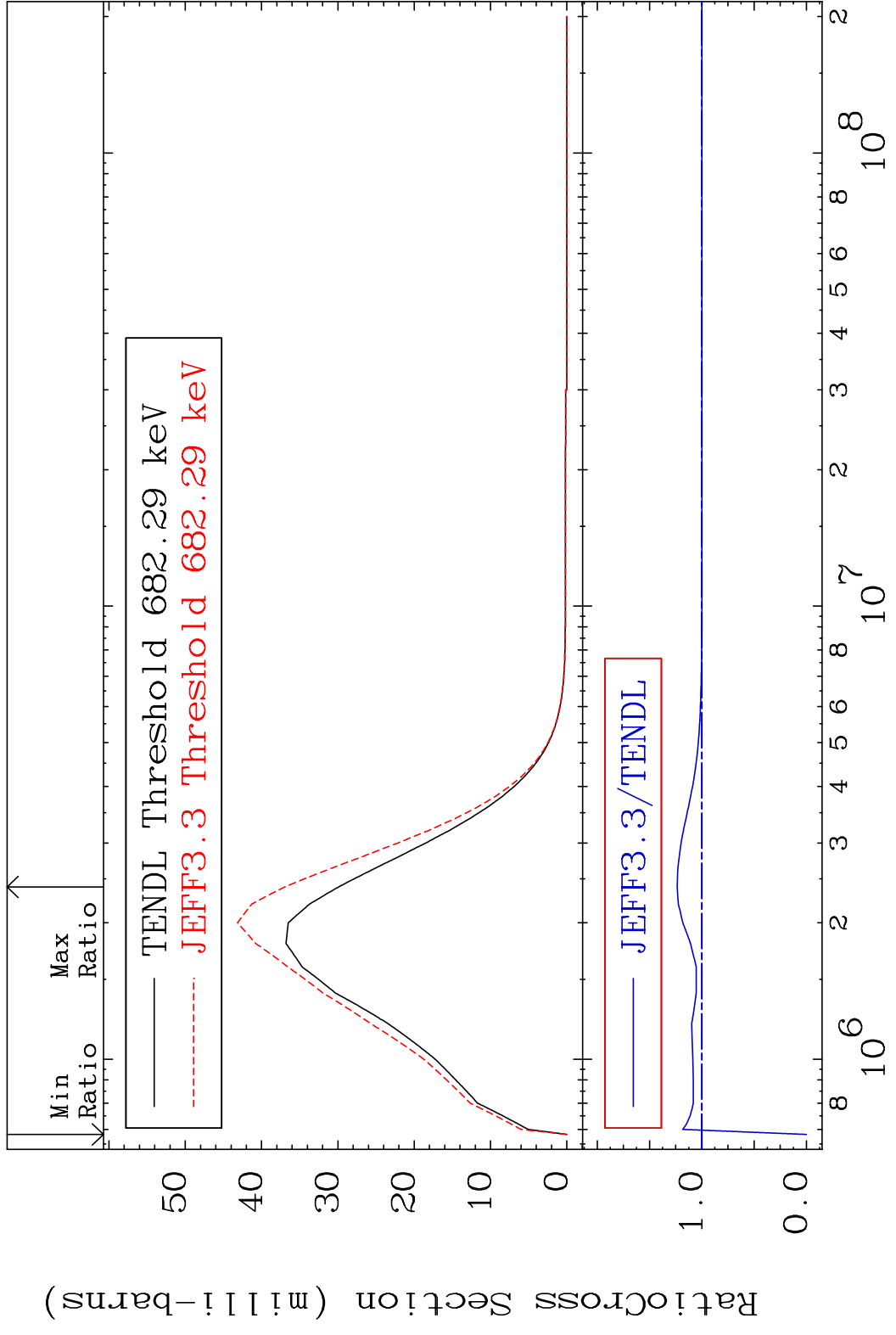
MAT 3922 MT= 51 (n,n') Level 39-Y -88  
 Cross Section -100.0 To 19.05 %



MAT 3922 MT= 52 (n,n') Level 39-Y -88  
 Cross Section -100.0 To 32.23 %

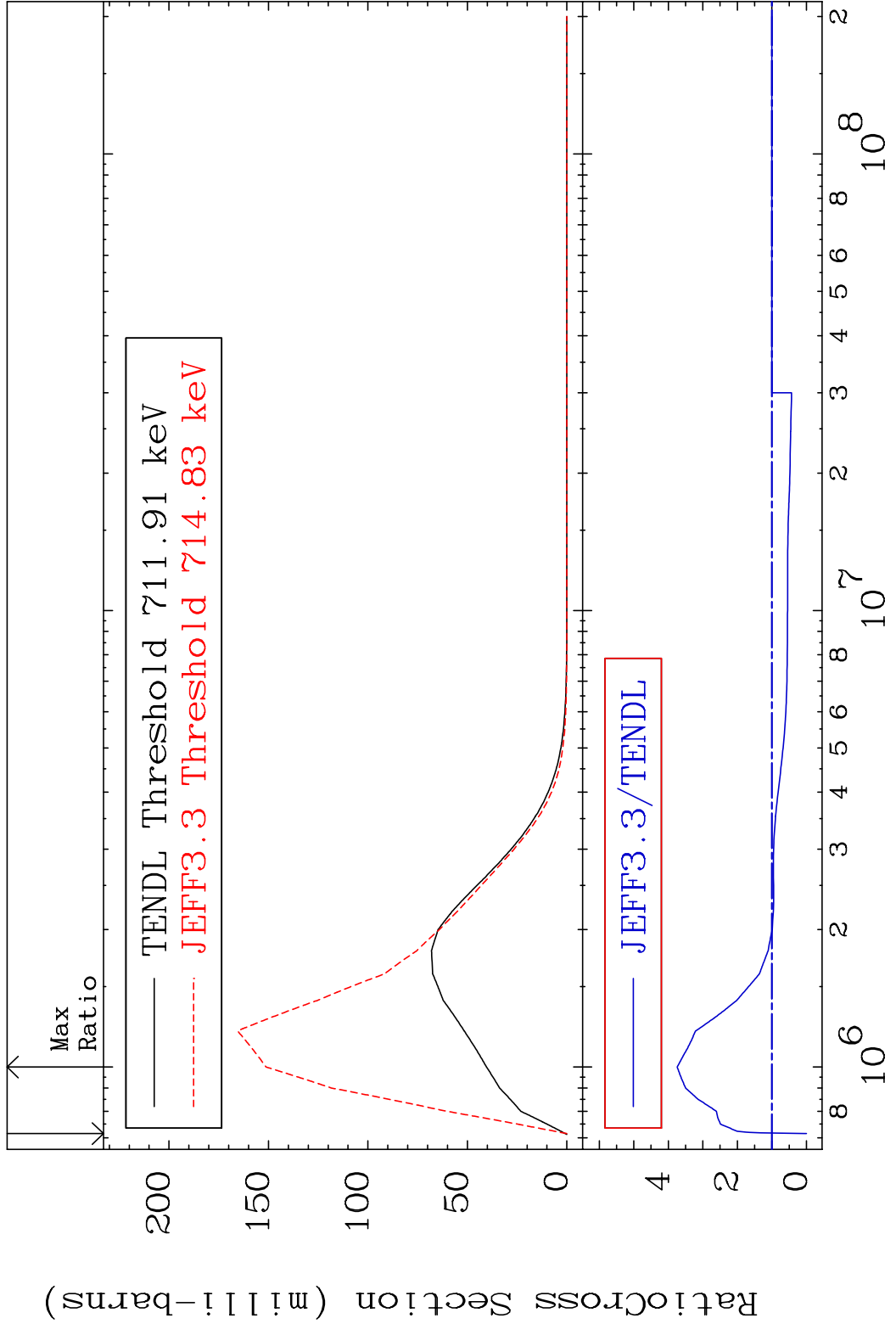


MAT 3922 MT= 53 (n, n') Level 39-Y -88  
 Cross Section -100.0 To 23.57 %

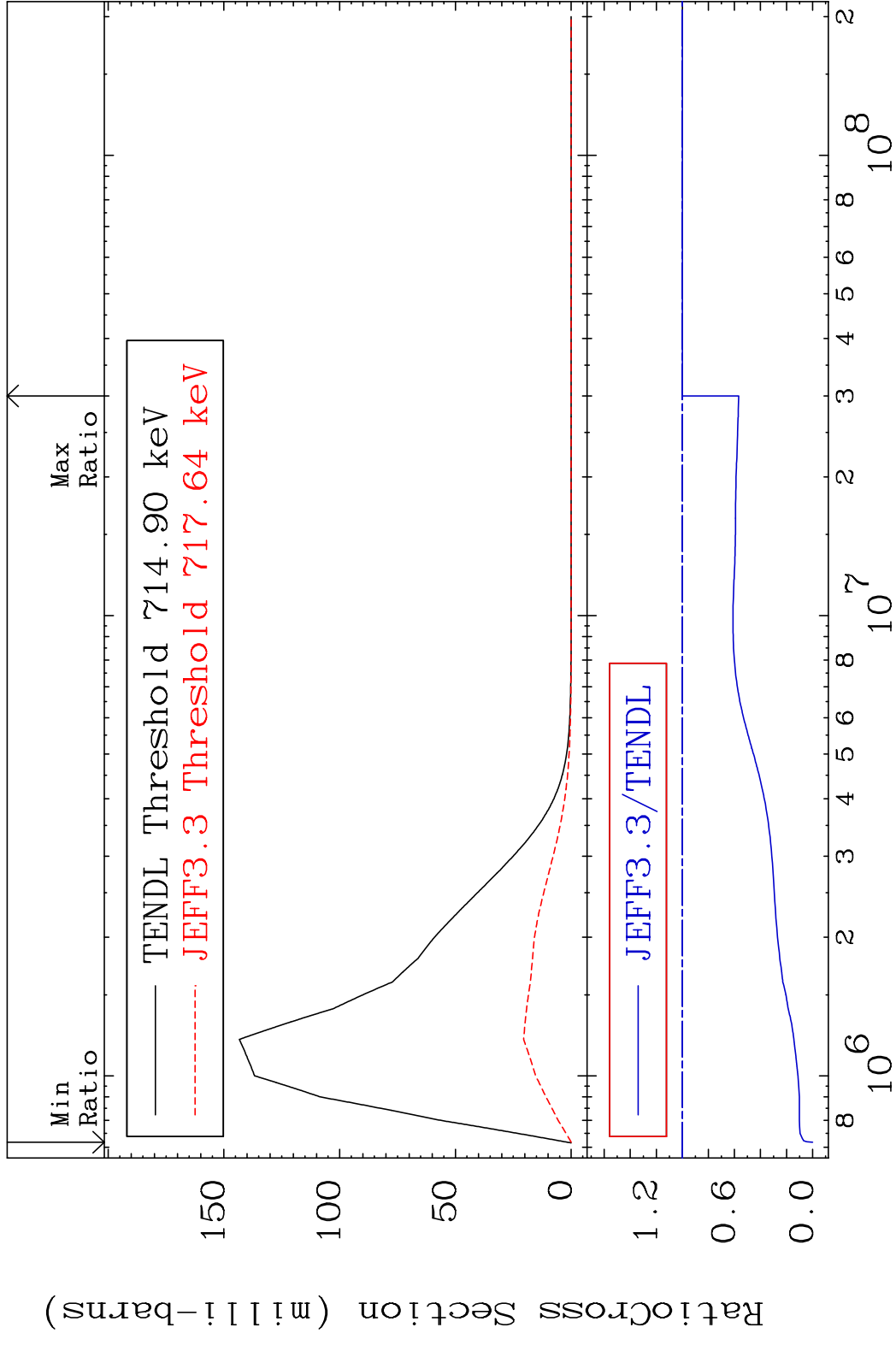


20 Incident Energy (eV) 39-Y -88

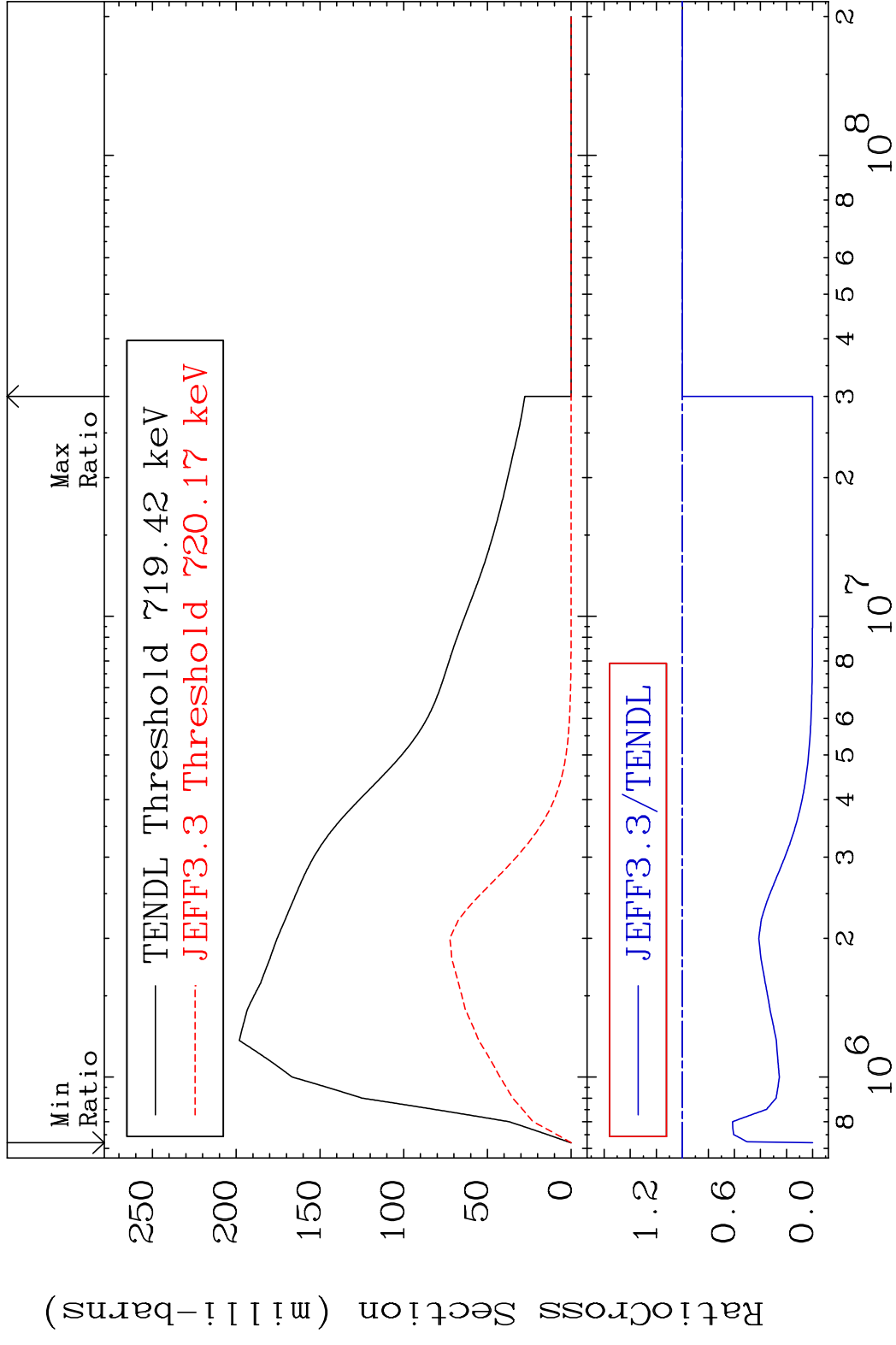
MAT 3922 MT= 54 (n, n') Level 39-Y -88  
 Cross Section -100.0 To 274.3 %



MAT 3922 MT= 55 (n,n') Level 39-Y -88  
 Cross Section -100.0 To 0.000 %

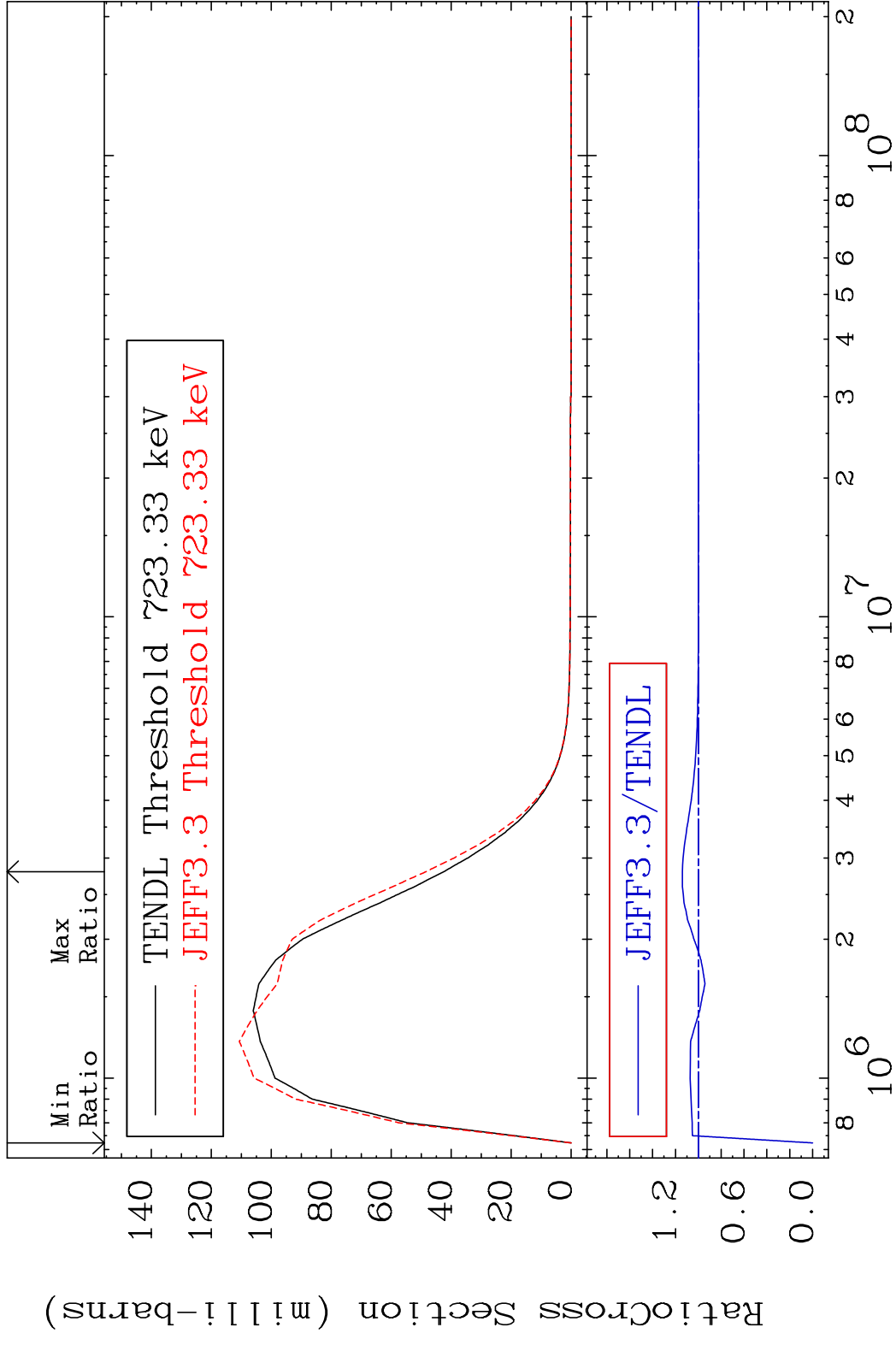


MAT 3922 MT= 56 (n,n') Level 39-Y -88  
 Cross Section -100.0 To 0.000 %

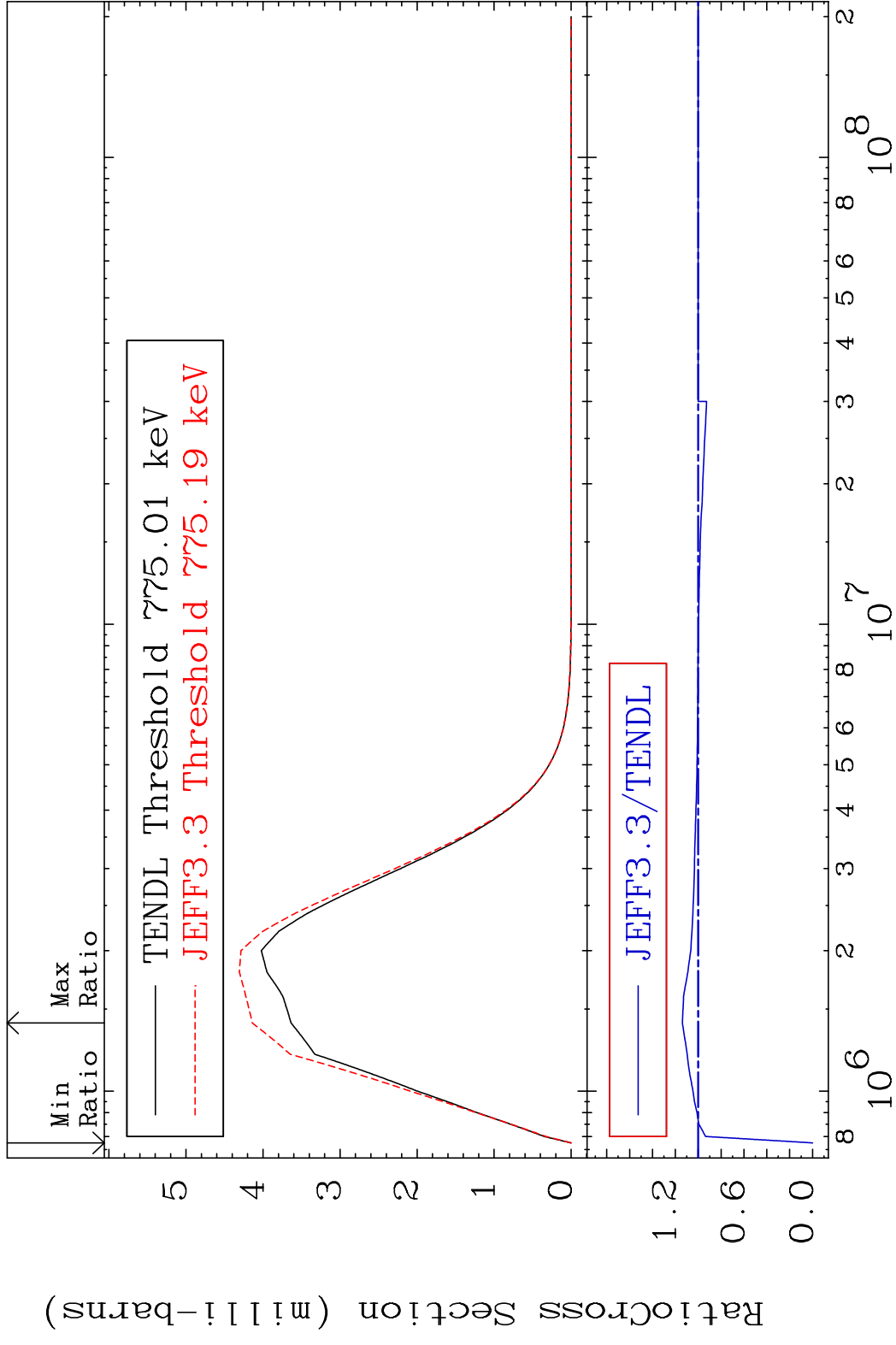




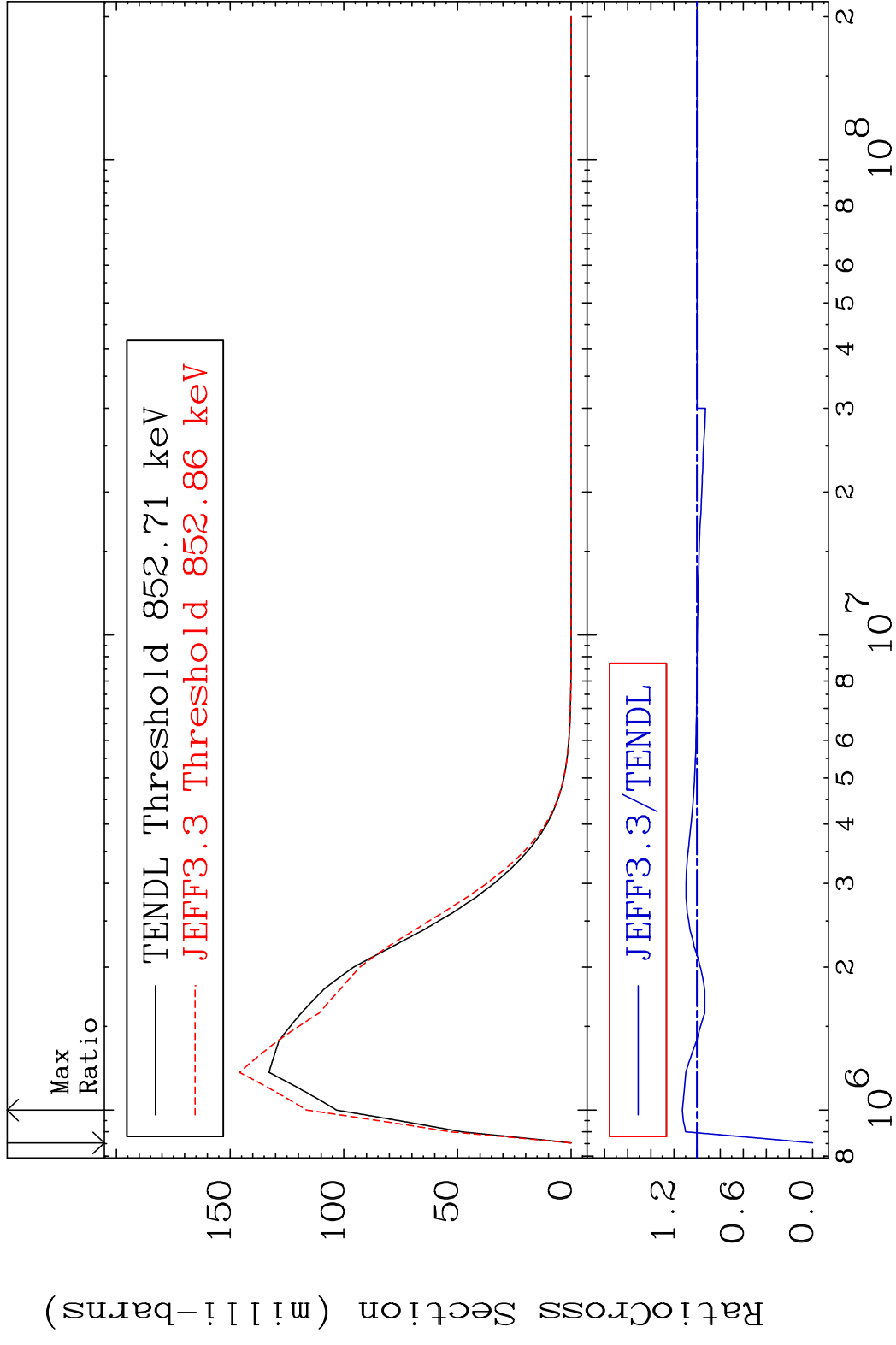
MAT 3922 MT= 57 (n,n') Level 39-Y -88  
 Cross Section -100.0 To 13.95 %



MAT 3922 MT= 58 (n,n') Level 39-Y -88  
 Cross Section -100.0 To 13.86 %

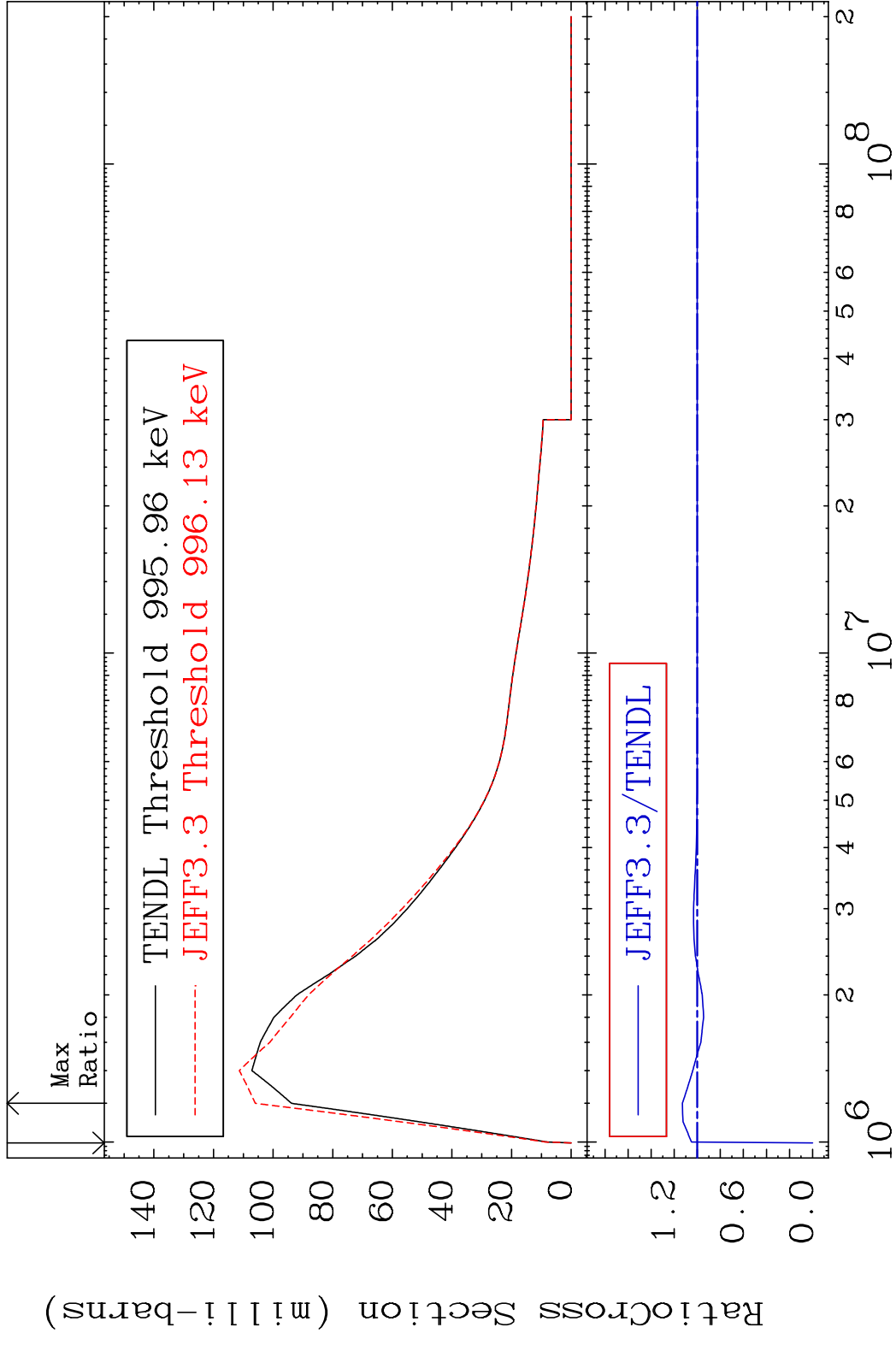


MAT 3922 MT= 59 (n,n') Level 39-Y -88  
 Cross Section -100.0 To 12.71 %



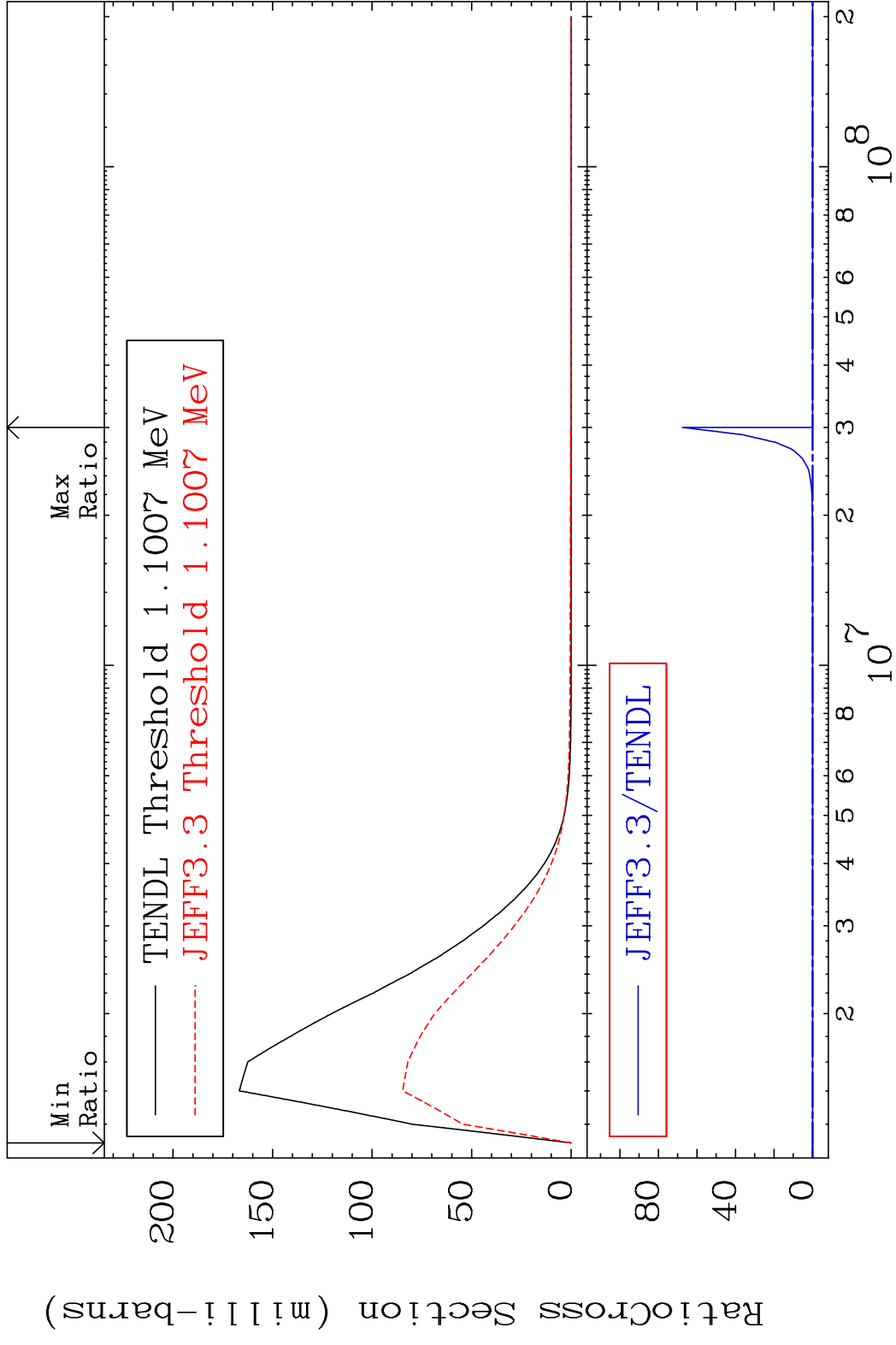
26 Incident Energy (eV) 39-Y -88

MAT 3922 MT= 60 (n,n') Level 39-Y -88  
 Cross Section -100.0 To 12.95 %

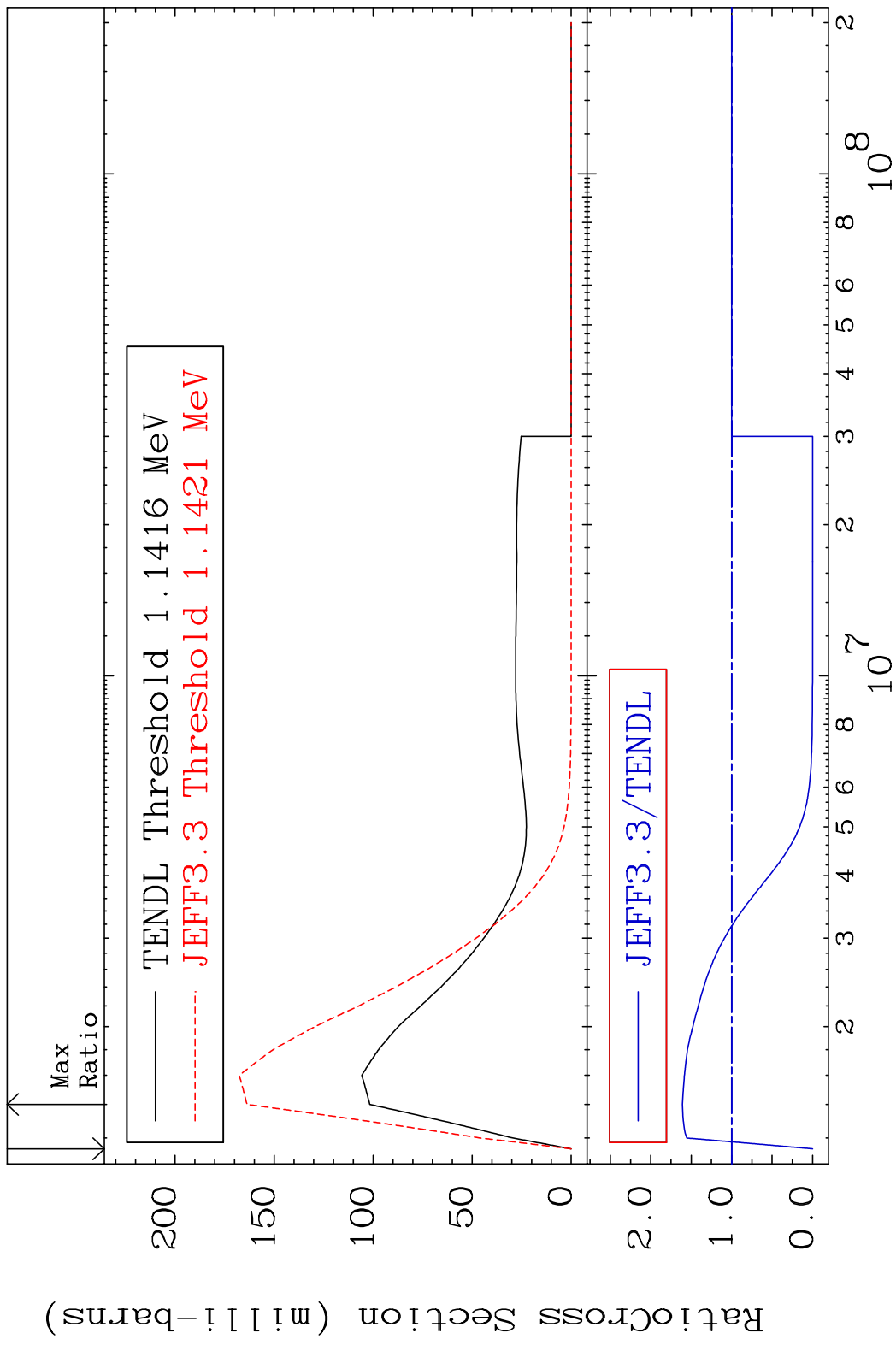


27 Incident Energy (eV) 39-Y -88

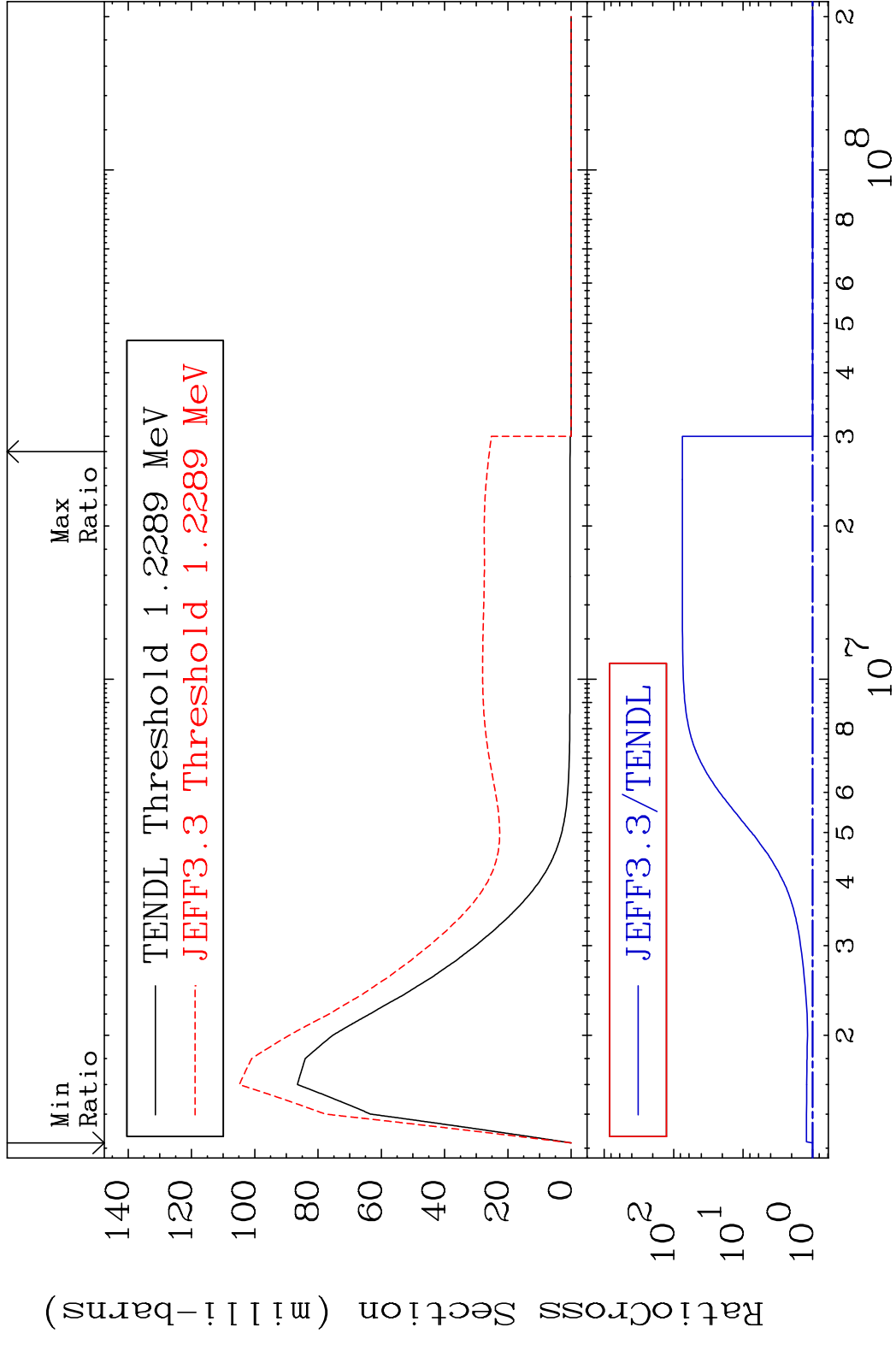
MAT 3922 MT= 61 (n, n') Level 39-Y -88  
 Cross Section -100.0 To 9999. %



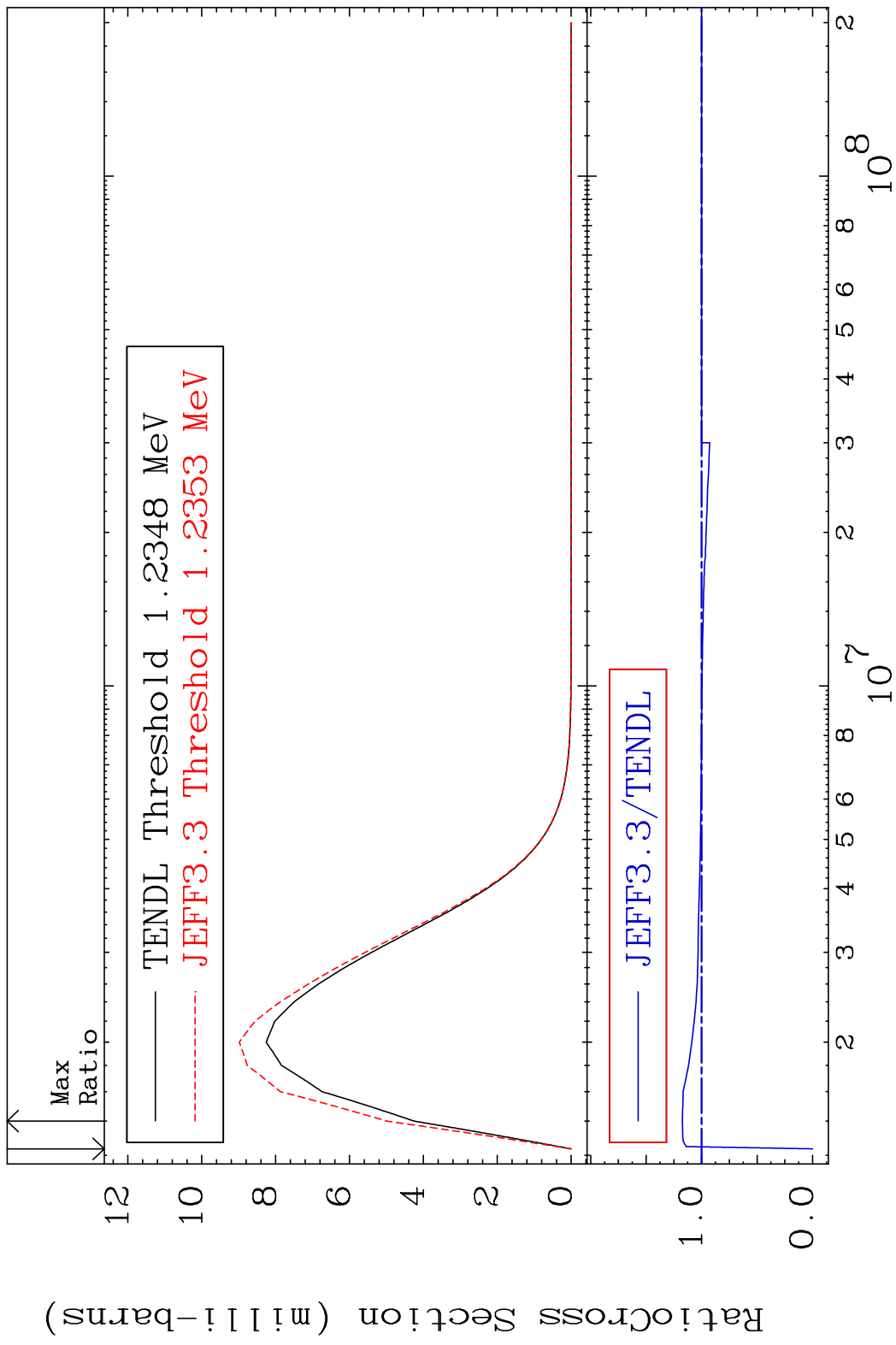
MAT 3922 MT= 62 (n, n') Level 39-Y -88  
 Cross Section -100.0 To 60.97 %



MAT 3922 MT= 63 (n, n') Level 39-Y -88  
 Cross Section 0.000 To 7392. %

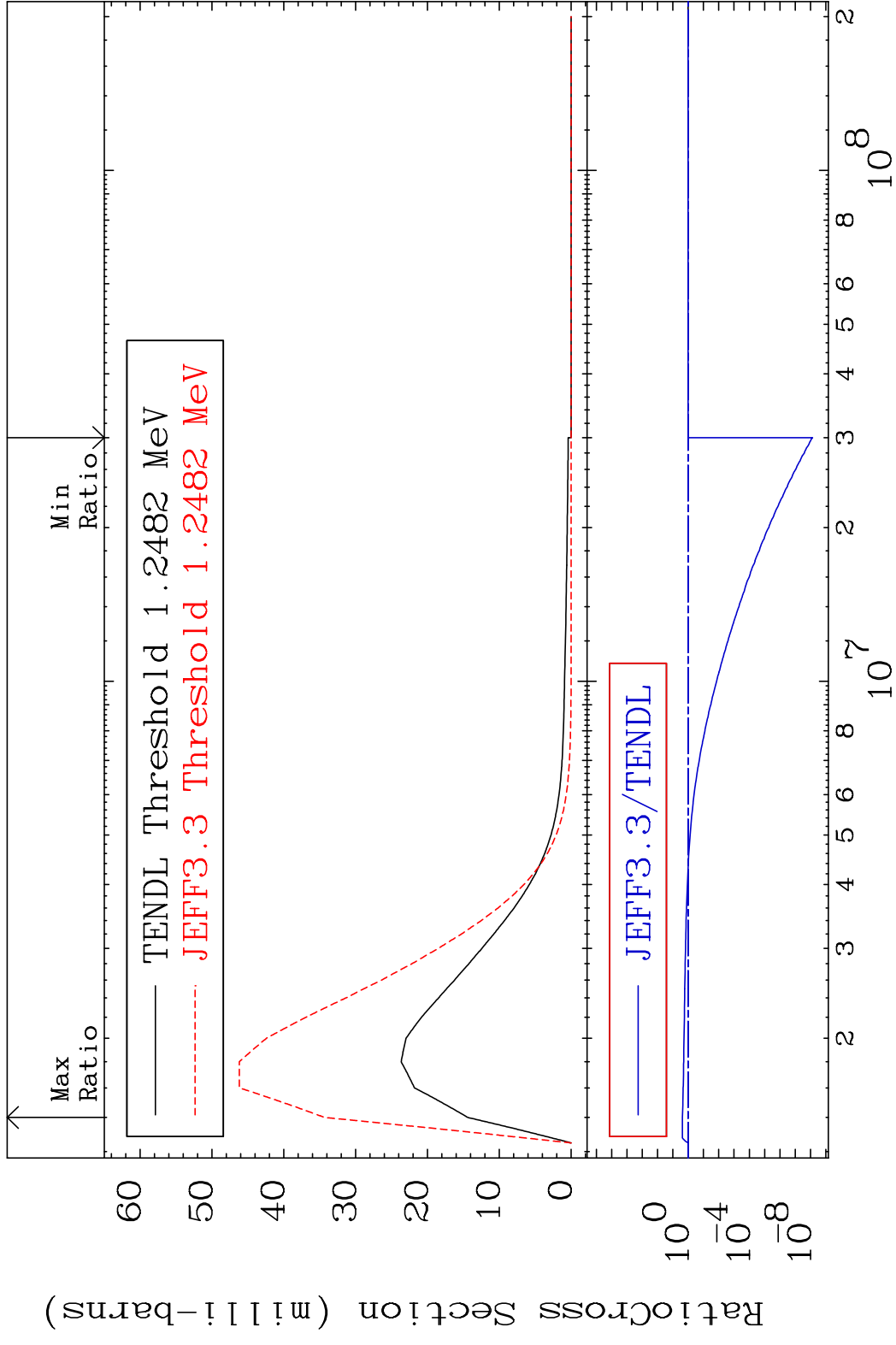


MAT 3922 MT= 64 (n, n') Level 39-Y -88  
 Cross Section -100.0 To 17.36 %

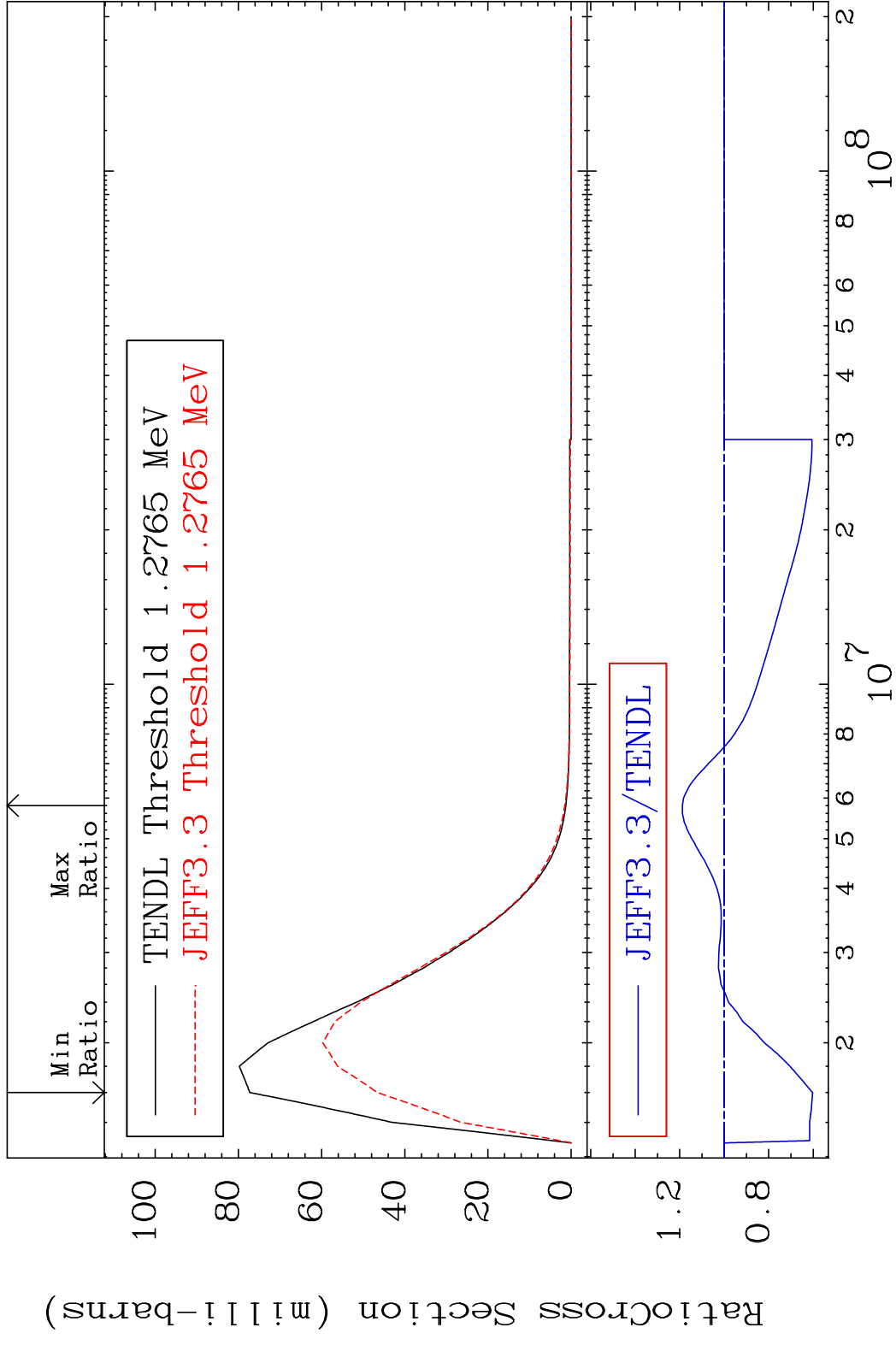




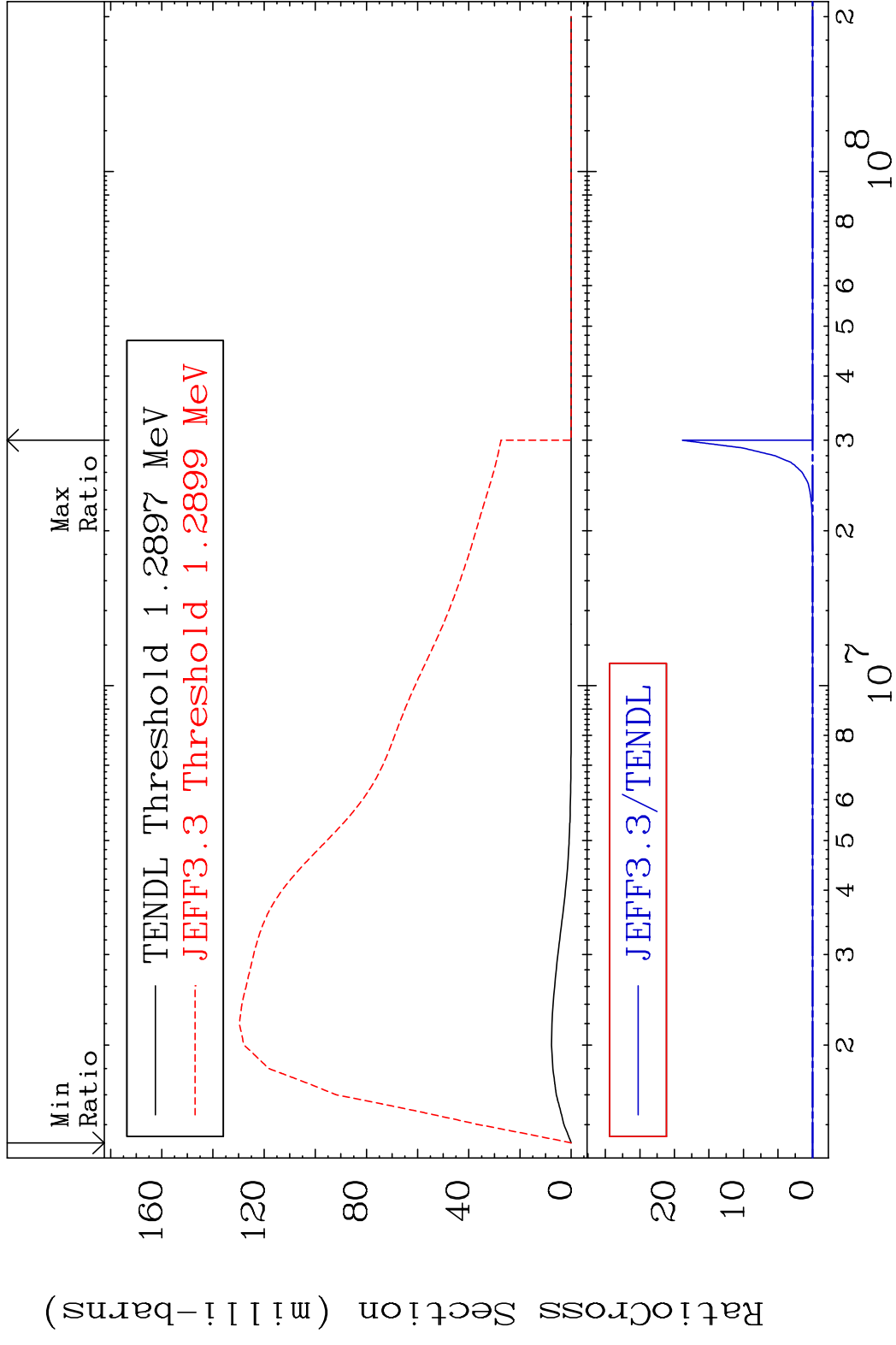
MAT 3922 MT= 65 (n, n') Level 39-Y -88  
 Cross Section -100.0 To 138.6 %



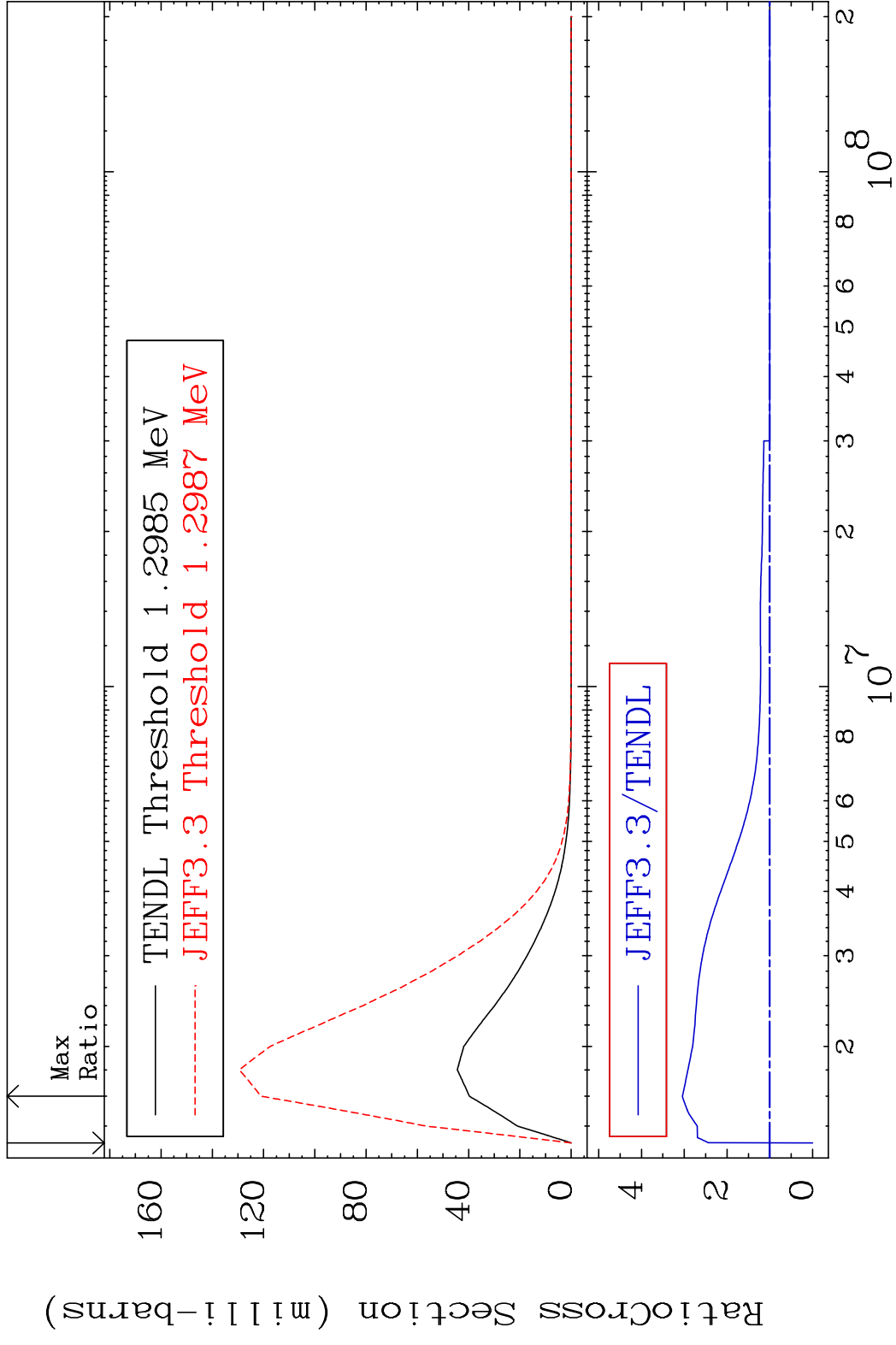
MAT 3922 MT= 66 (n,n') Level 39-Y -88  
 Cross Section -39.71 To 18.82 %



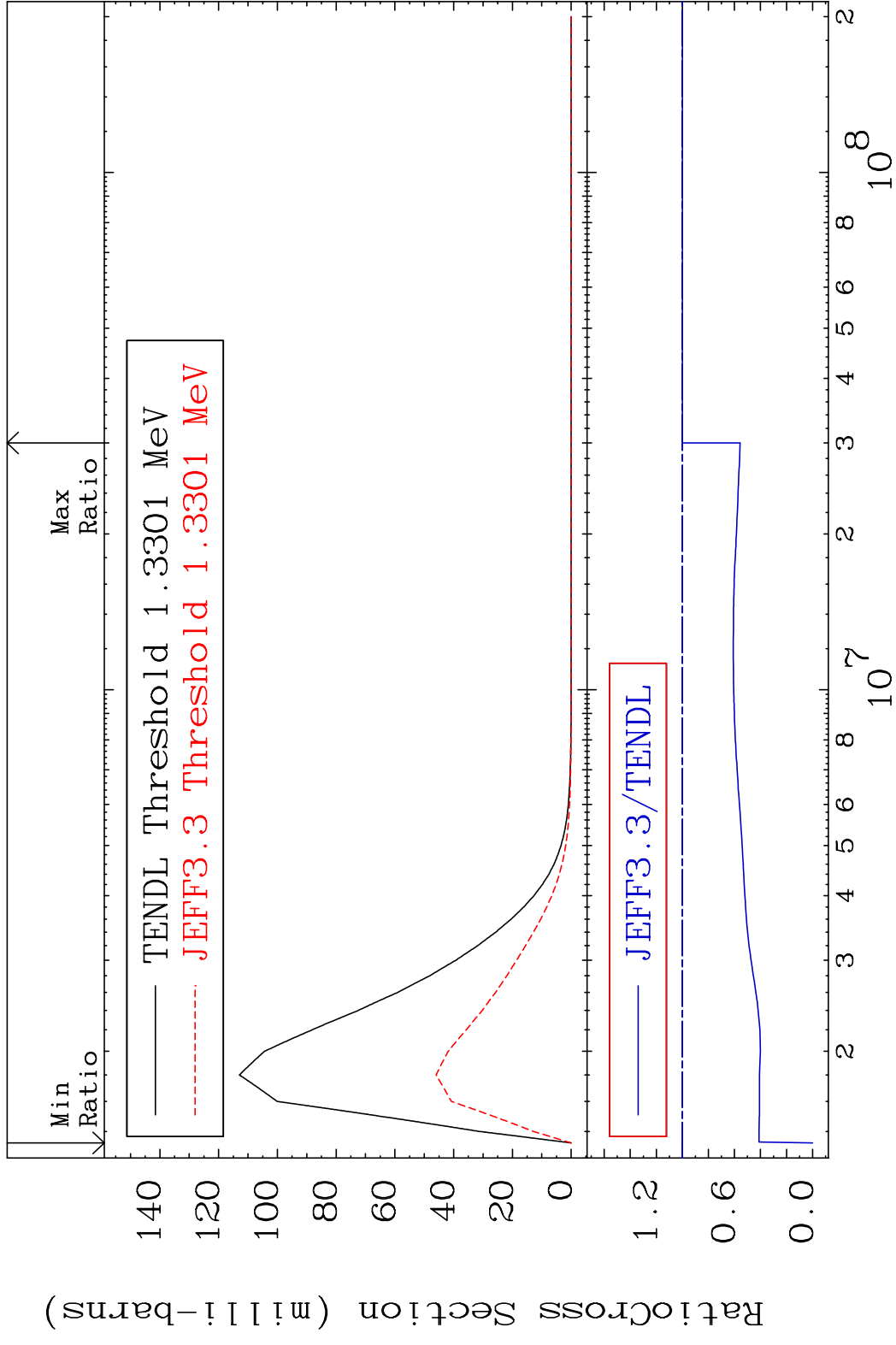
MAT 3922 MT= 67 (n, n') Level 39-Y -88  
 Cross Section -100.0 To 9999. %



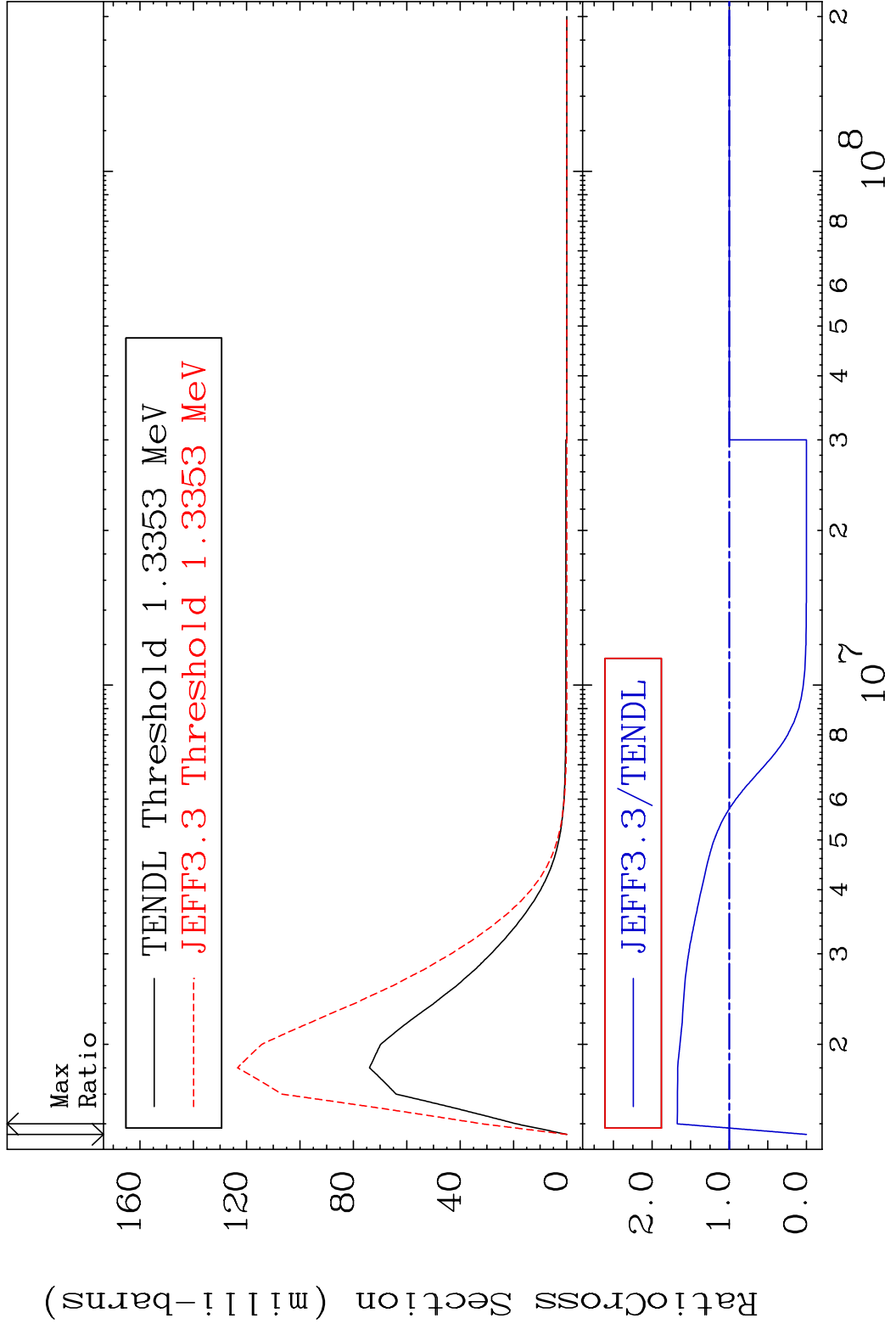
MAT 3922 MT= 68 (n, n') Level 39-Y -88  
 Cross Section -100.0 To 204.5 %



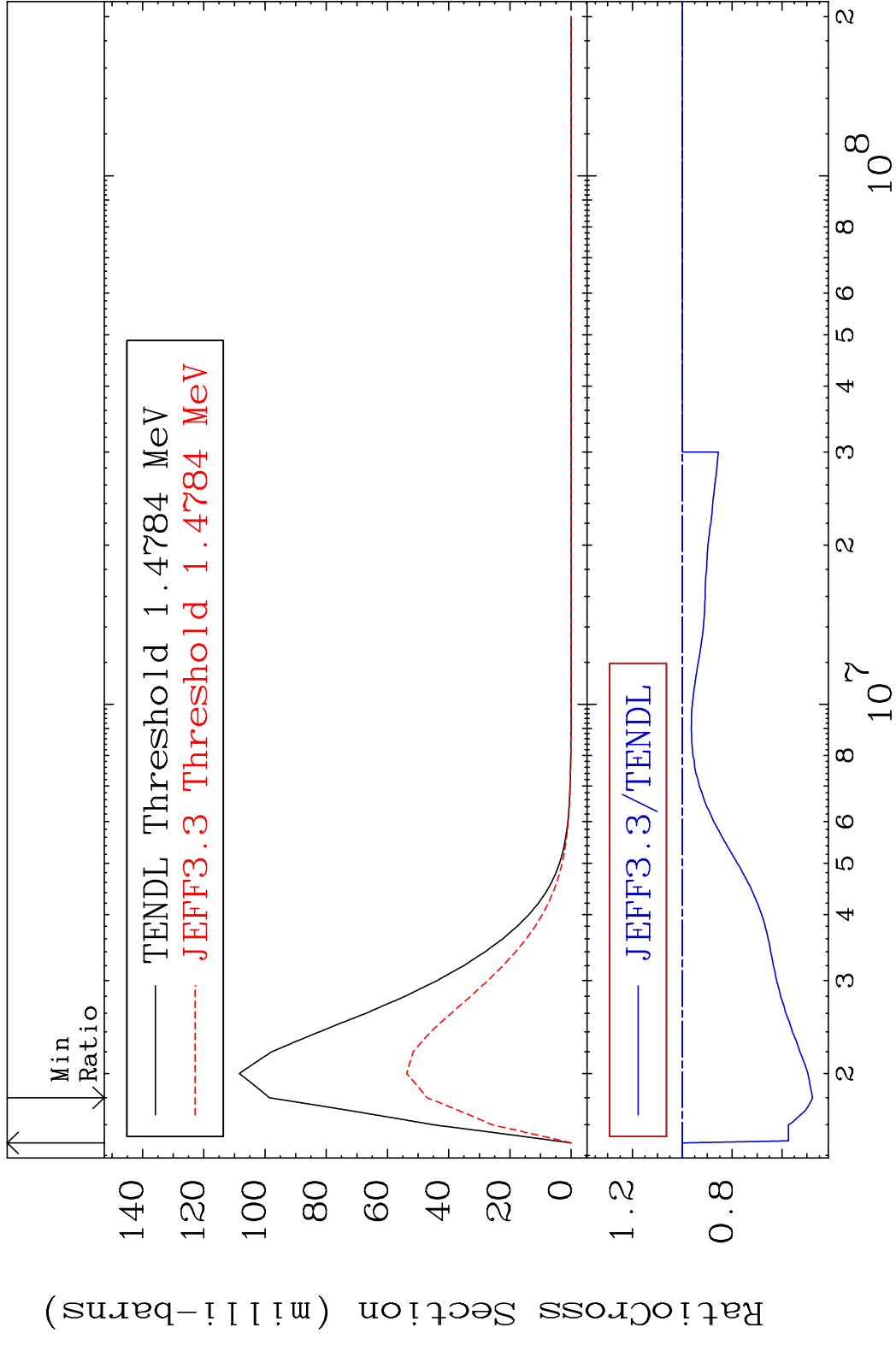
MAT 3922 MT= 69 (n, n') Level 39-Y -88  
 Cross Section -100.0 To 0.000 %



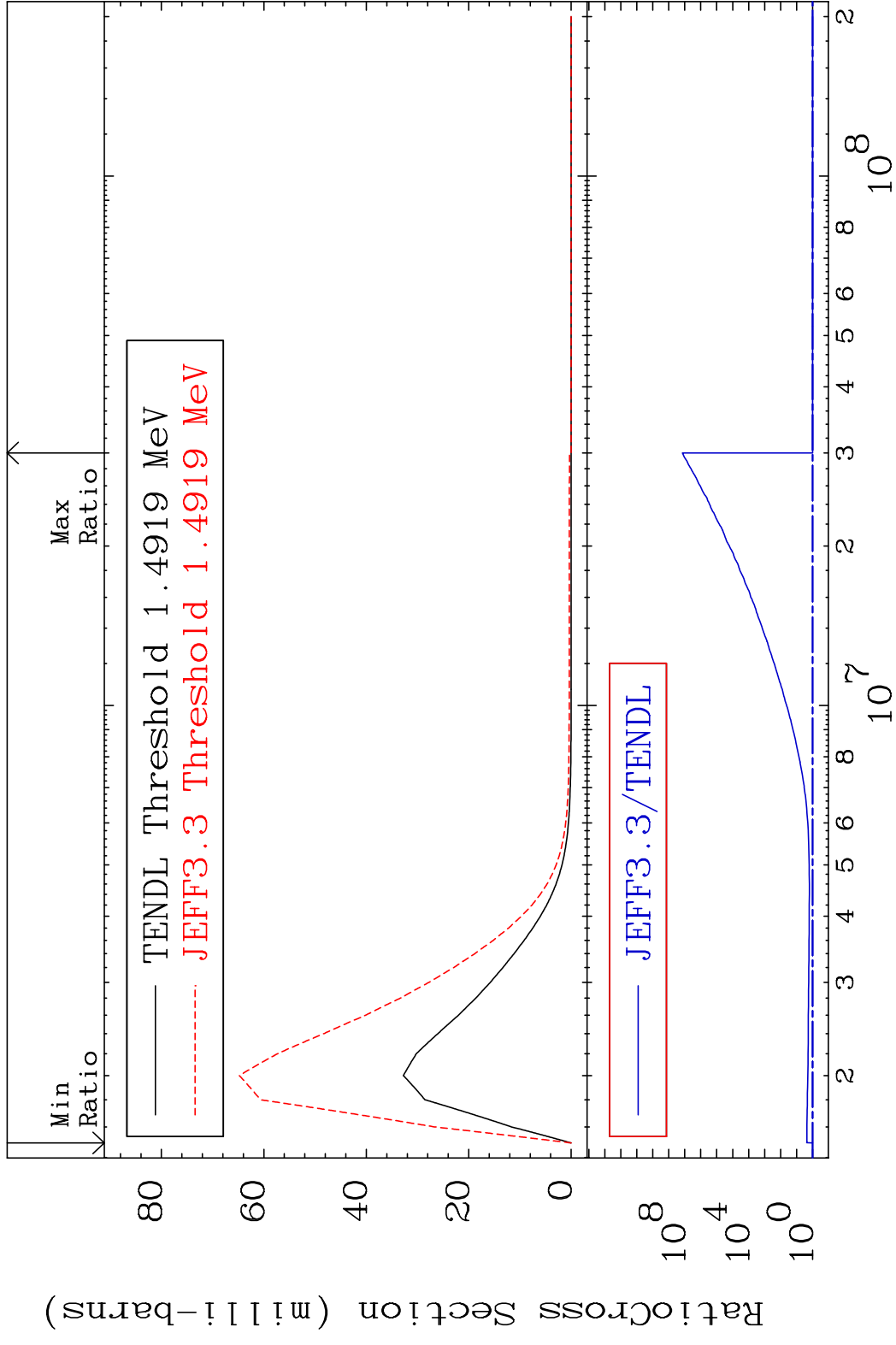
MAT 3922 MT= 70 (n, n') Level 39-Y -88  
 Cross Section -100.0 To 67.43 %



MAT 3922 MT= 71 (n,n') Level 39-Y -88  
 Cross Section -52.27 To 0.000 %



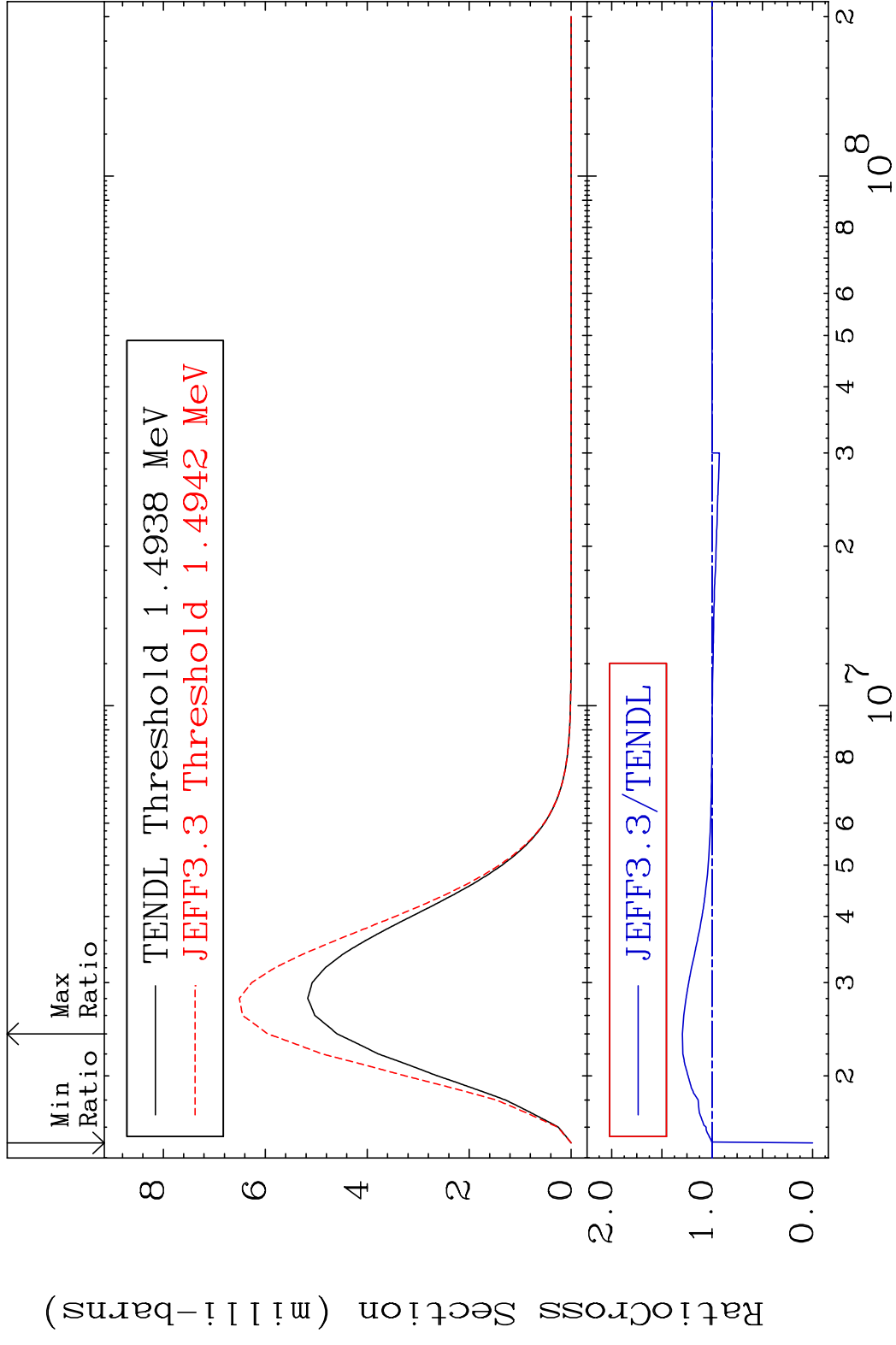
MAT 3922 MT= 72 (n,n') Level 39-Y -88  
 Cross Section 0.000 To 9999. %



39 Incident Energy (eV) 39-Y -88

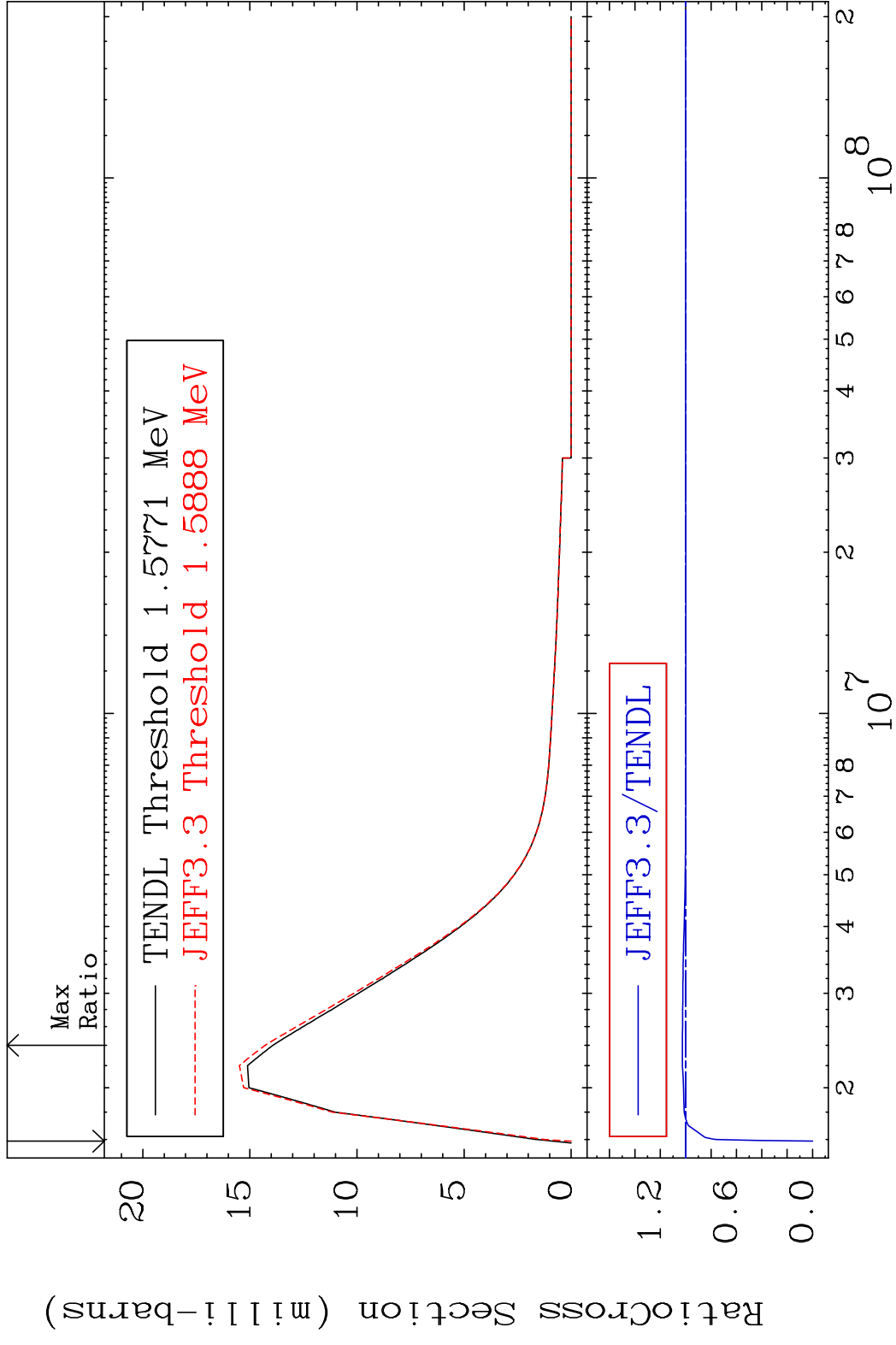


MAT 3922 MT= 73 (n, n') Level 39-Y -88  
 Cross Section -100.0 To 29.64 %

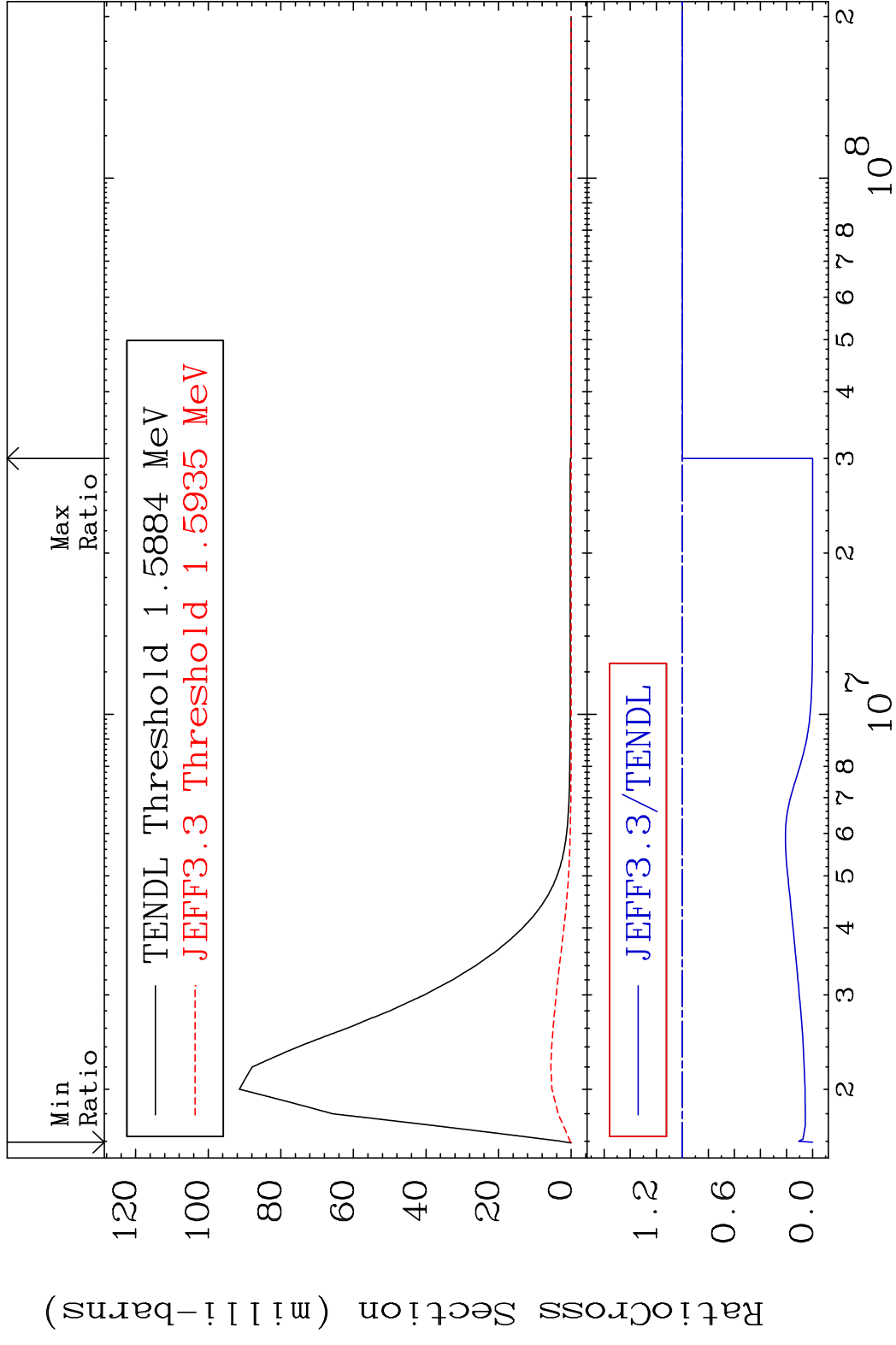


40 Incident Energy (eV) 39-Y -88

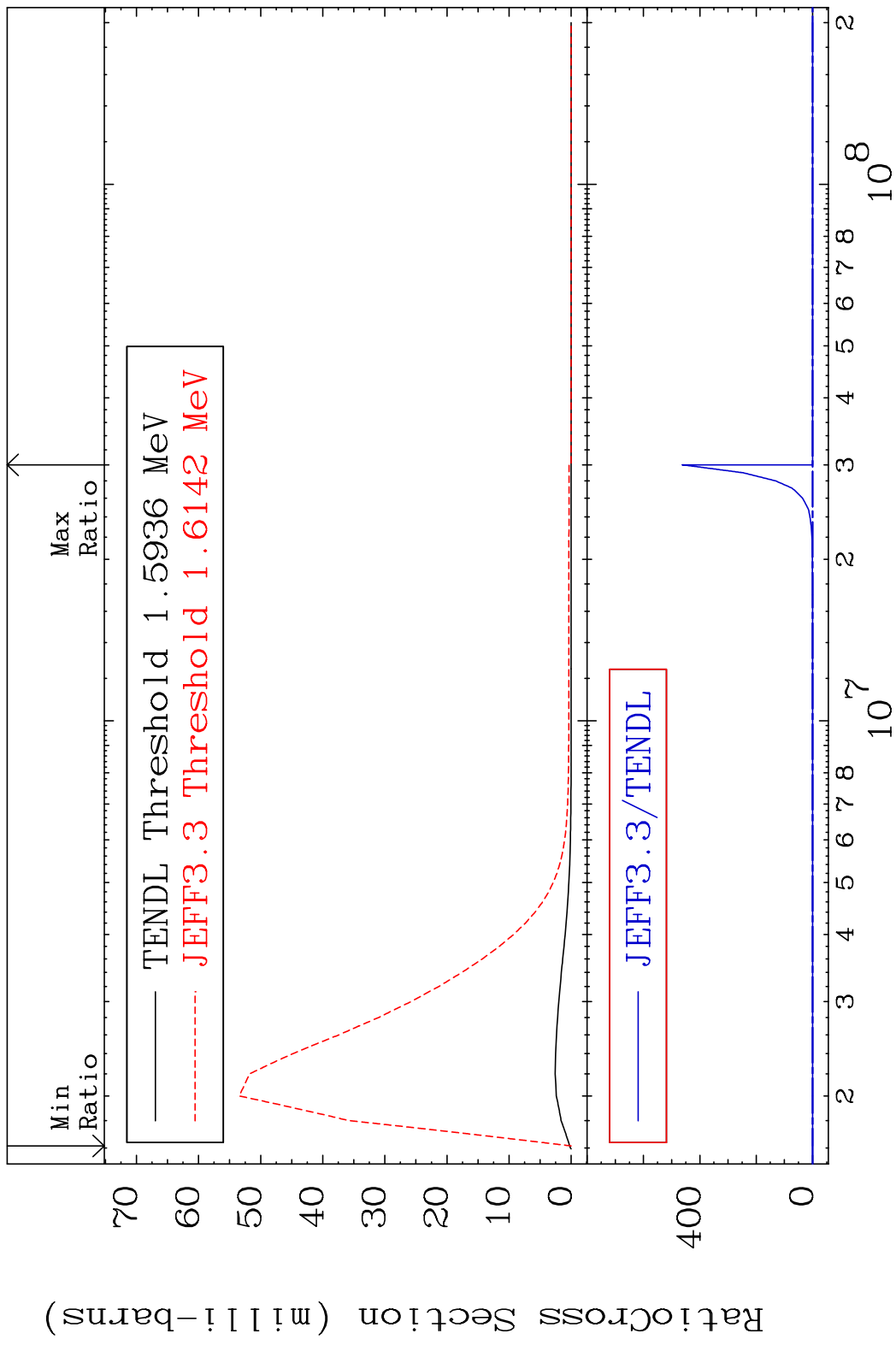
MAT 3922 MT= 74 (n,n') Level 39-Y -88  
 Cross Section -100.0 To 2.603 %



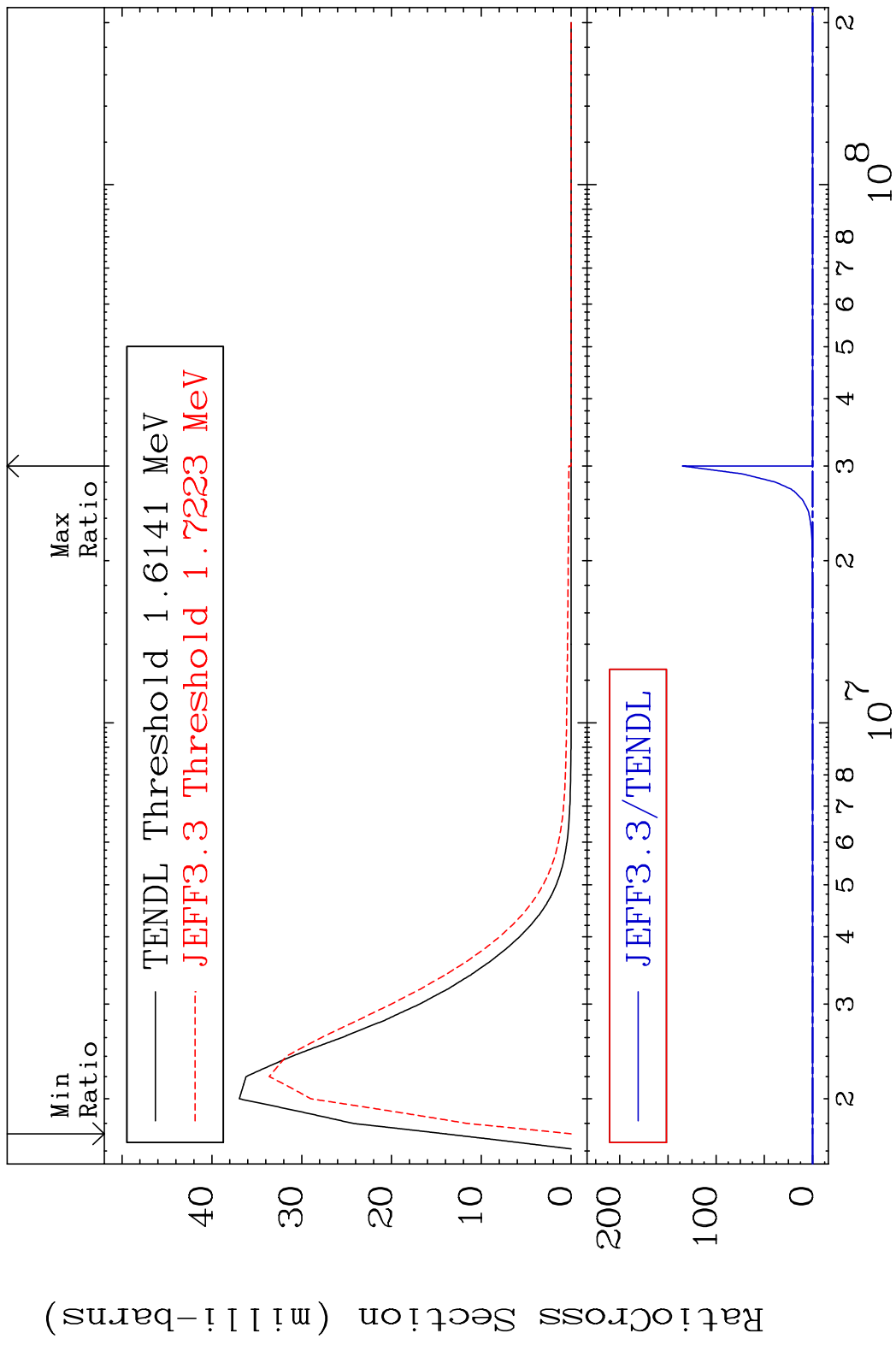
MAT 3922 MT= 75 (n,n') Level 39-Y -88  
 Cross Section -100.0 To 0.000 %



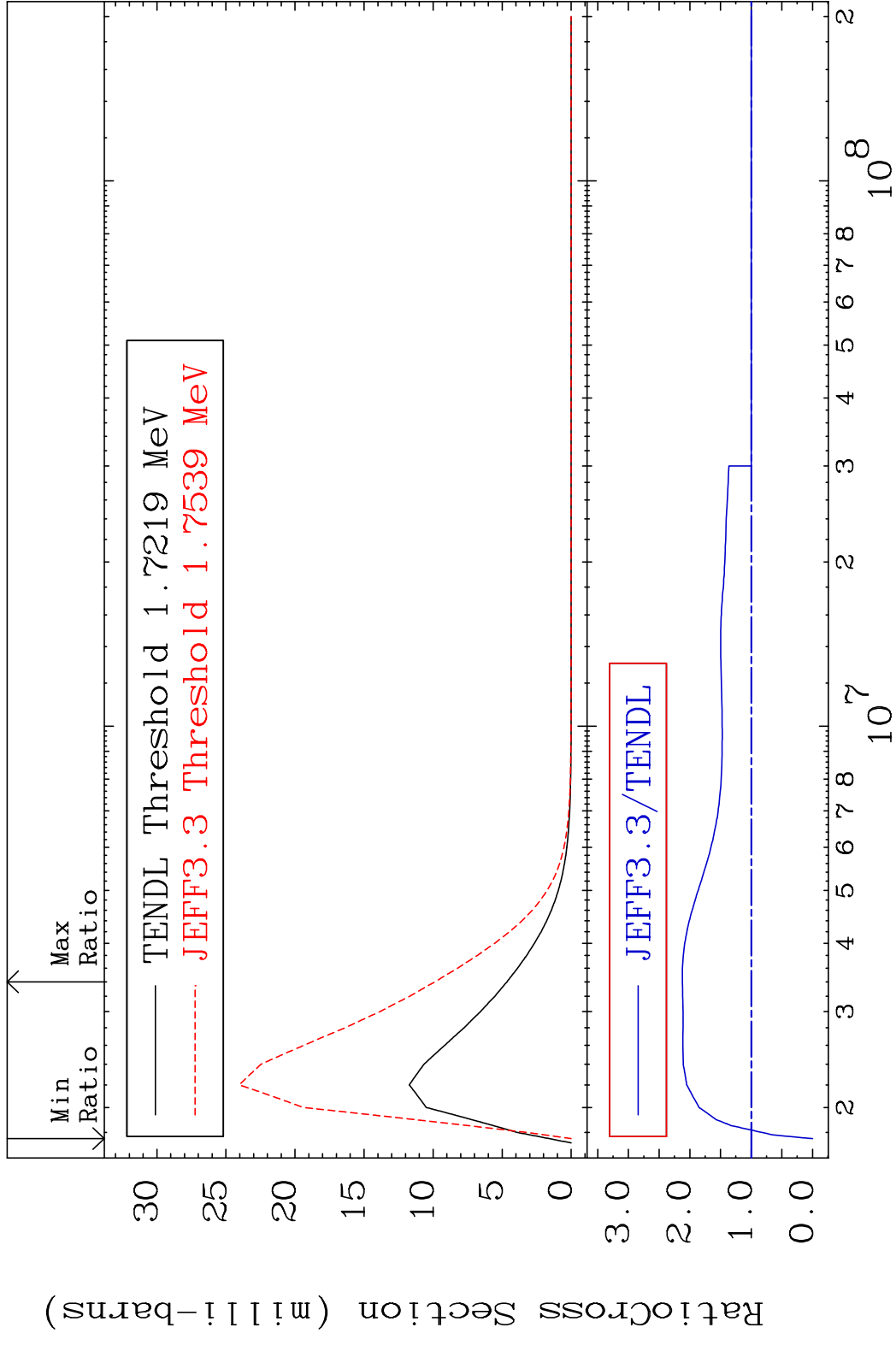
MAT 3922 MT= 76 (n,n') Level 39-Y -88  
 Cross Section -100.0 To 9999. %



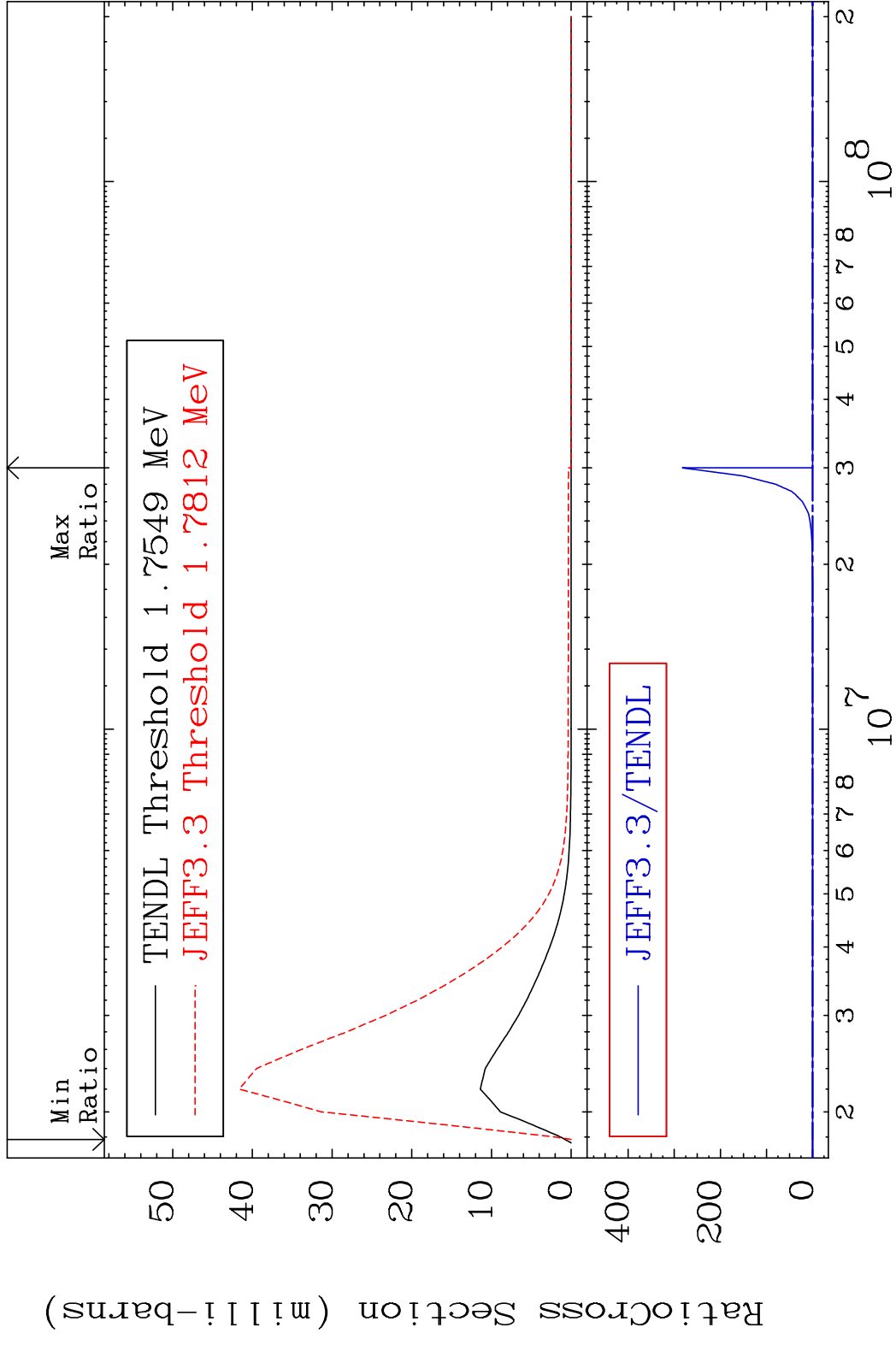
MAT 3922 MT= 77 (n, n') Level 39-Y -88  
 Cross Section -100.0 To 9999. %



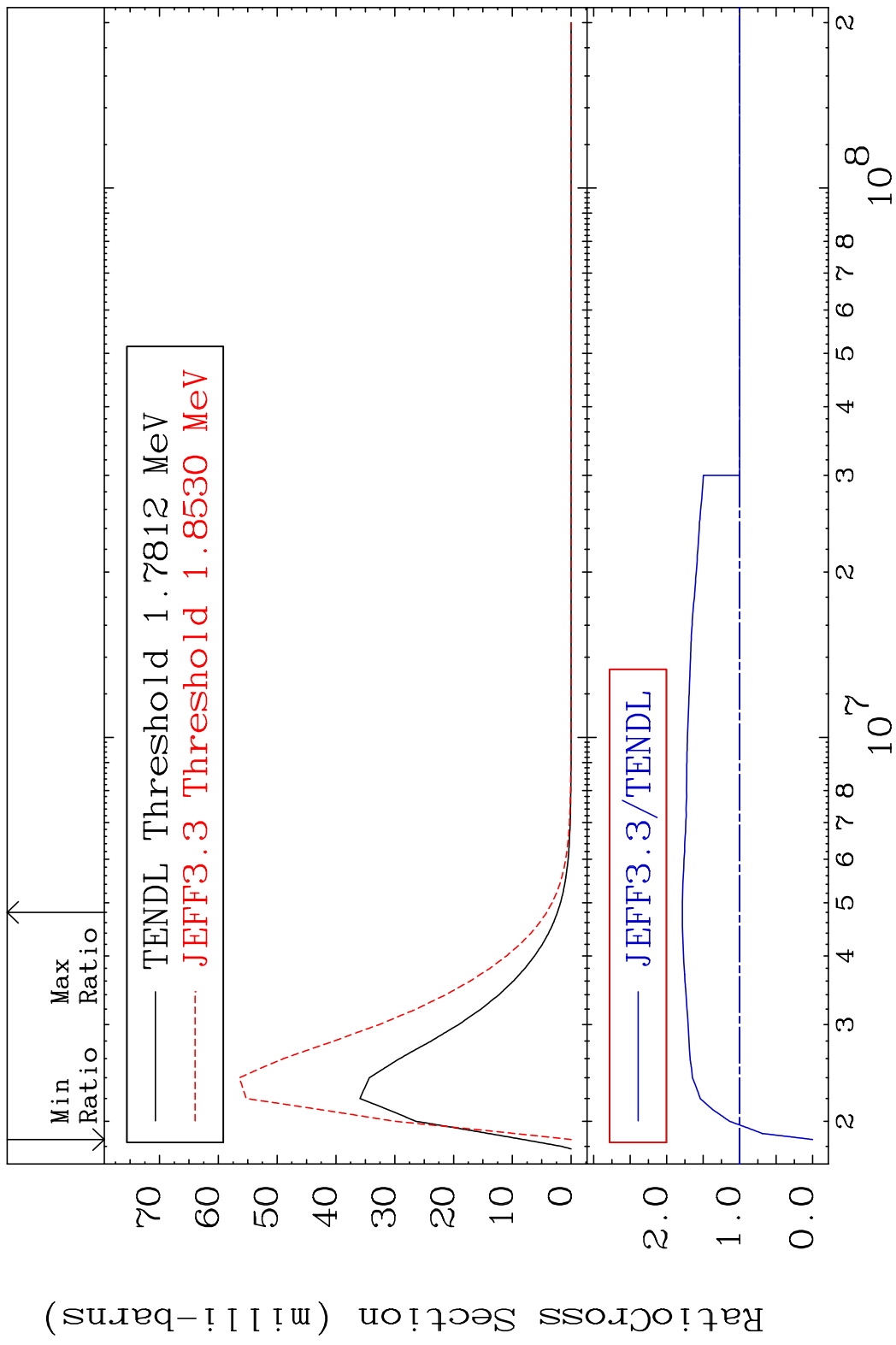
MAT 3922 MT= 78 (n, n') Level 39-Y -88  
 Cross Section -100.0 To 112.1 %



MAT 3922 MT= 79 (n, n') Level 39-Y -88  
 Cross Section -100.0 To 9999. %

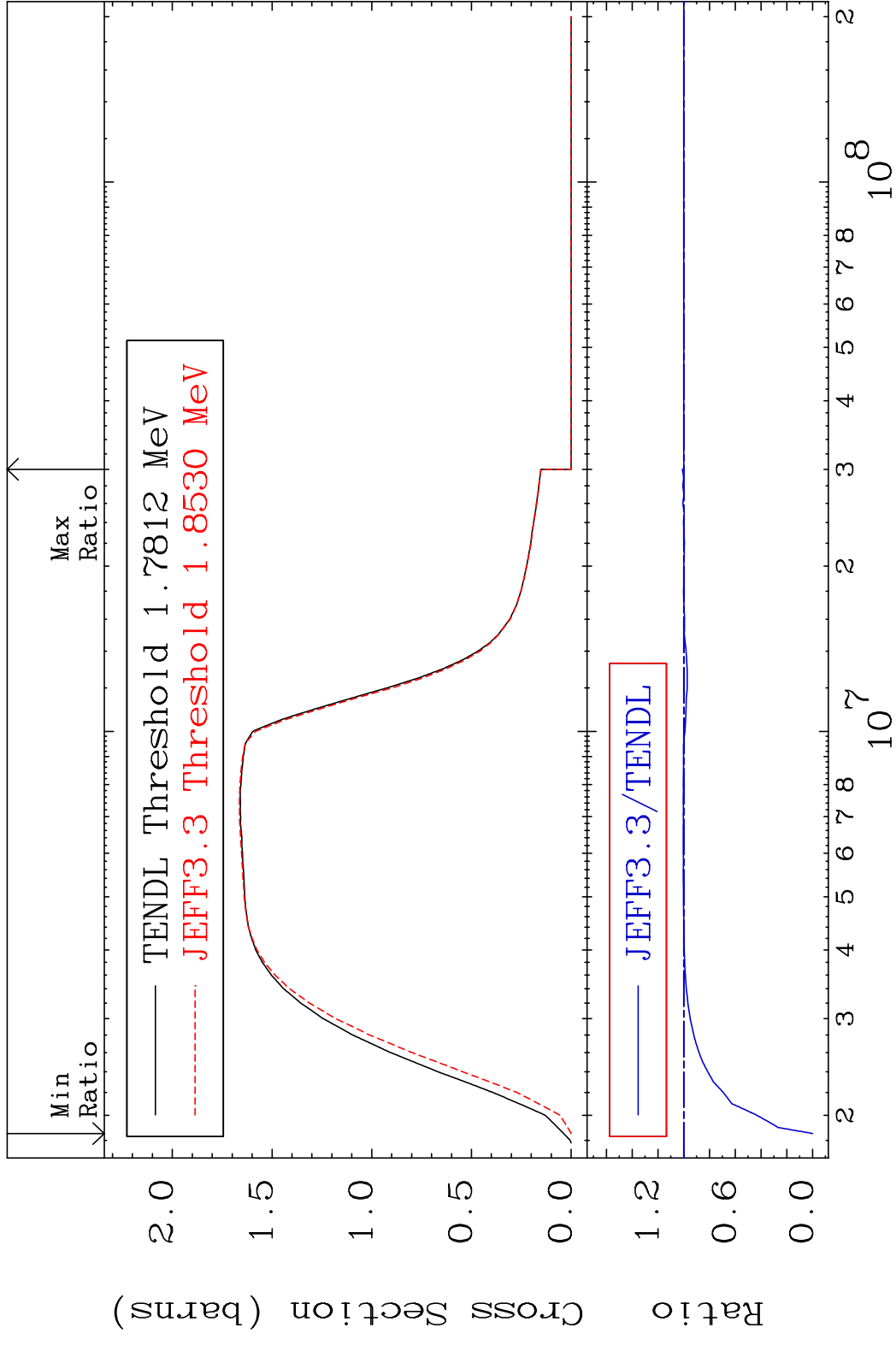


MAT 3922 MT= 80 (n,n') Level 39-Y -88  
 Cross Section -100.0 To 78.38 %





MAT 3922 (n, n') Continuum 39-Y -88  
 Cross Section -100.0 To 1.055 %

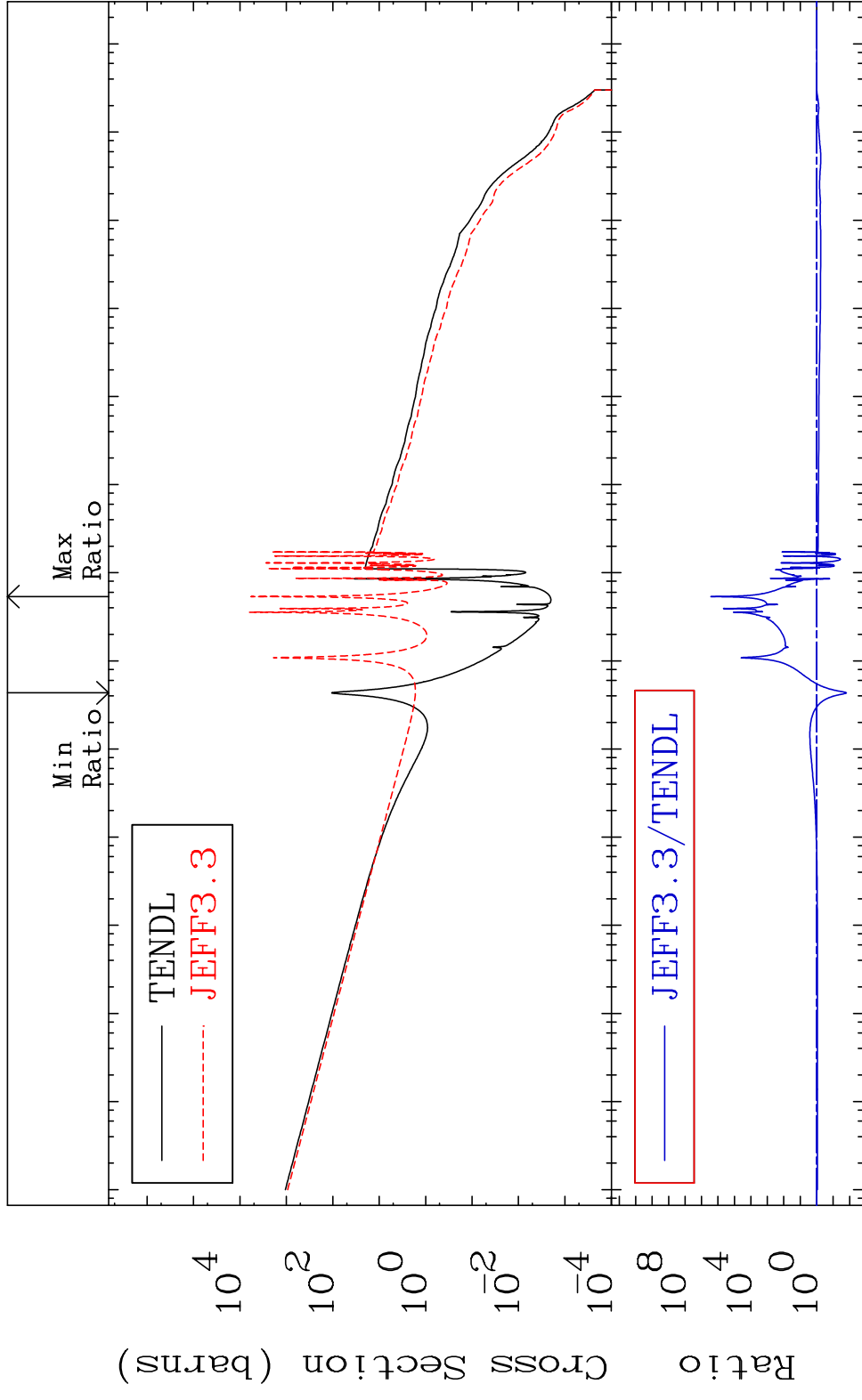


MAT 3922

39-Y -88

(n,  $\gamma$ )

Cross Section -98.42 To 9999. %



49

Incident Energy (eV)

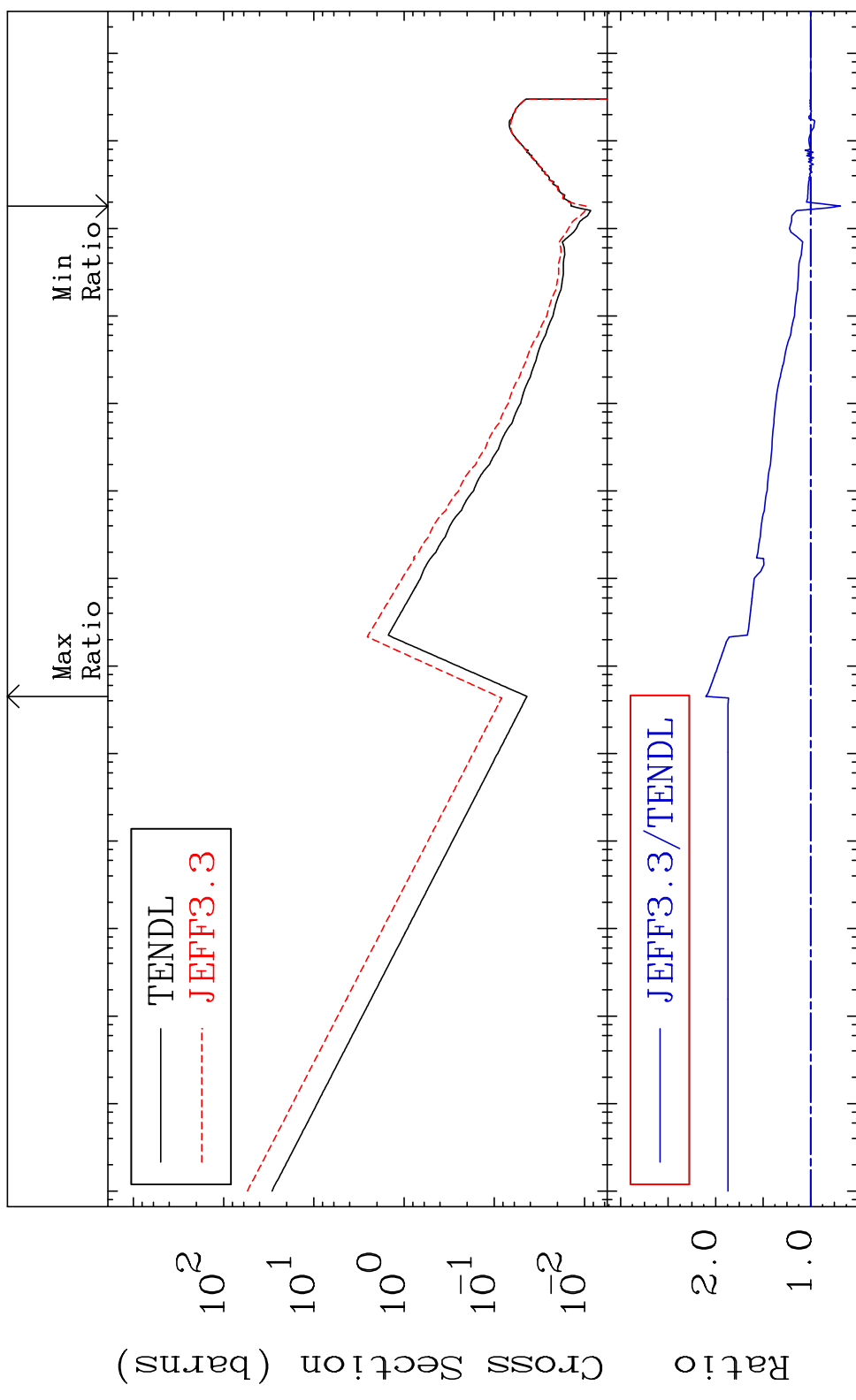
39-Y -88

MAT 3922

(n, p)

39-Y -88

Cross Section -31.35 To 110.4 %



50

Incident Energy (eV)

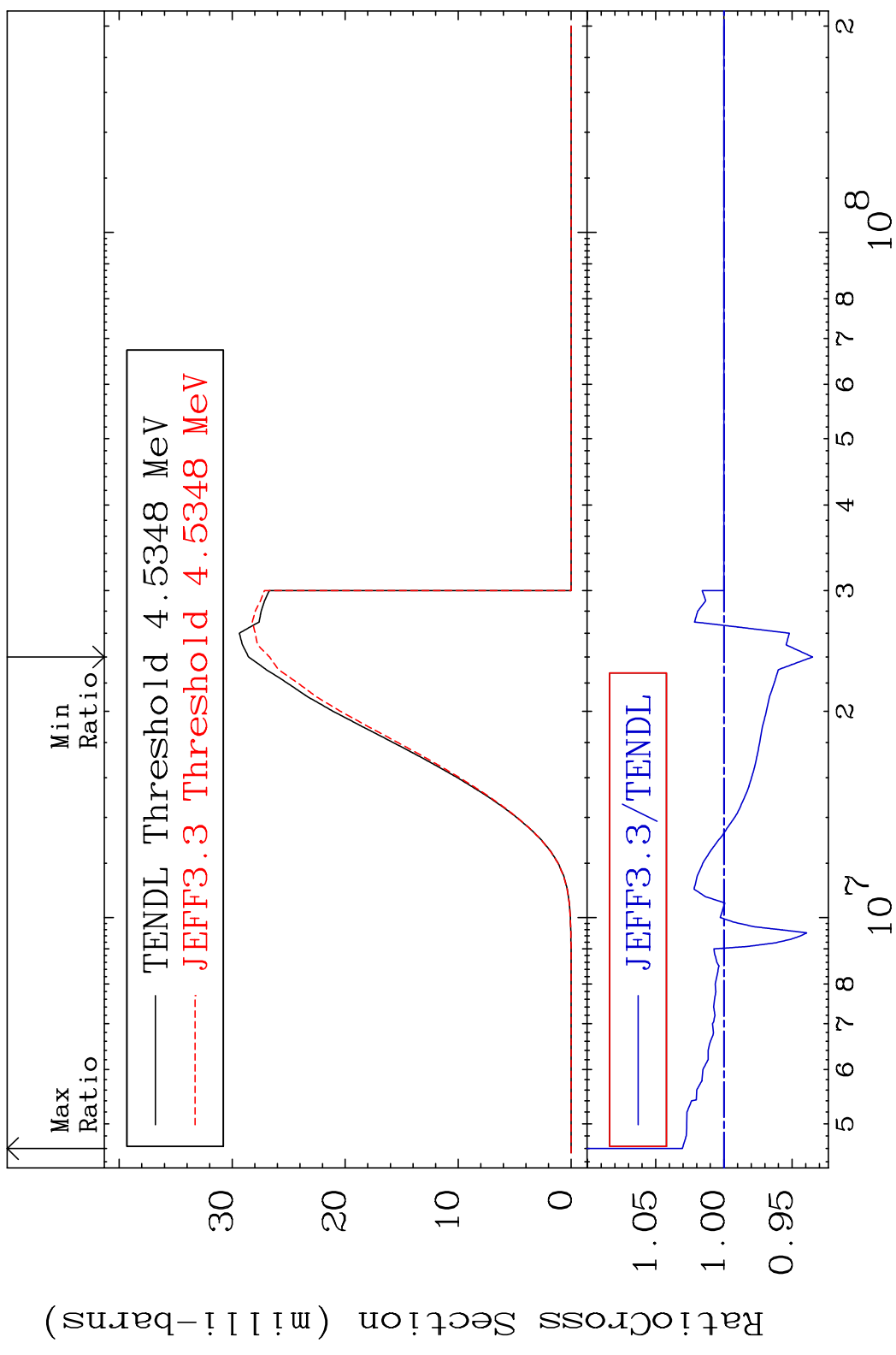
39-Y -88

MAT 3922

(n, d)

39-Y -88

Cross Section -6.498 To 3.049 %

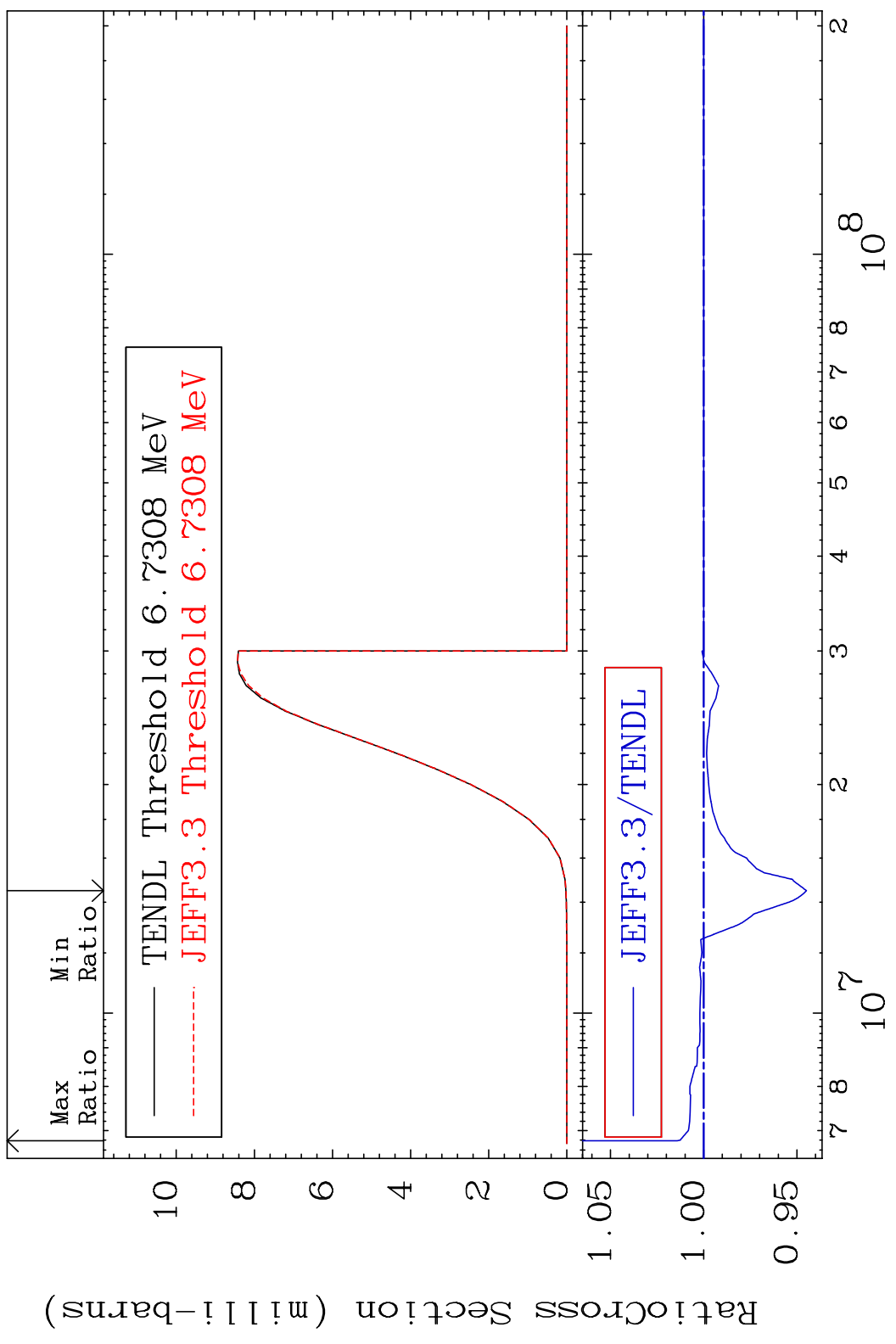


MAT 3922

(n, t)

39-Y -88

Cross Section -5.509 To 1.424 %

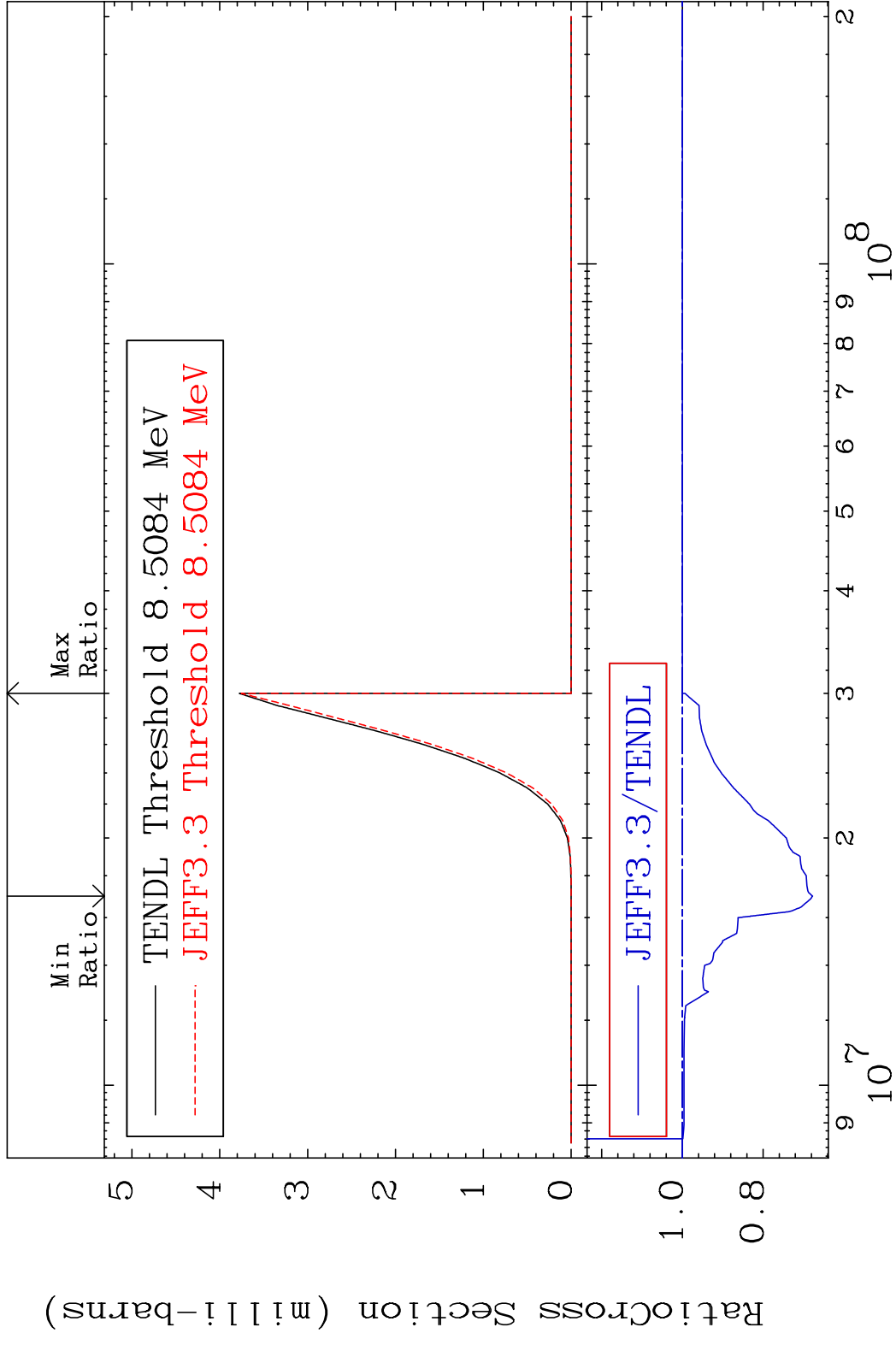


MAT 3922

(n, He-3)

39-Y -88

Cross Section -32.26 To 0.000 %



53

Incident Energy (eV)

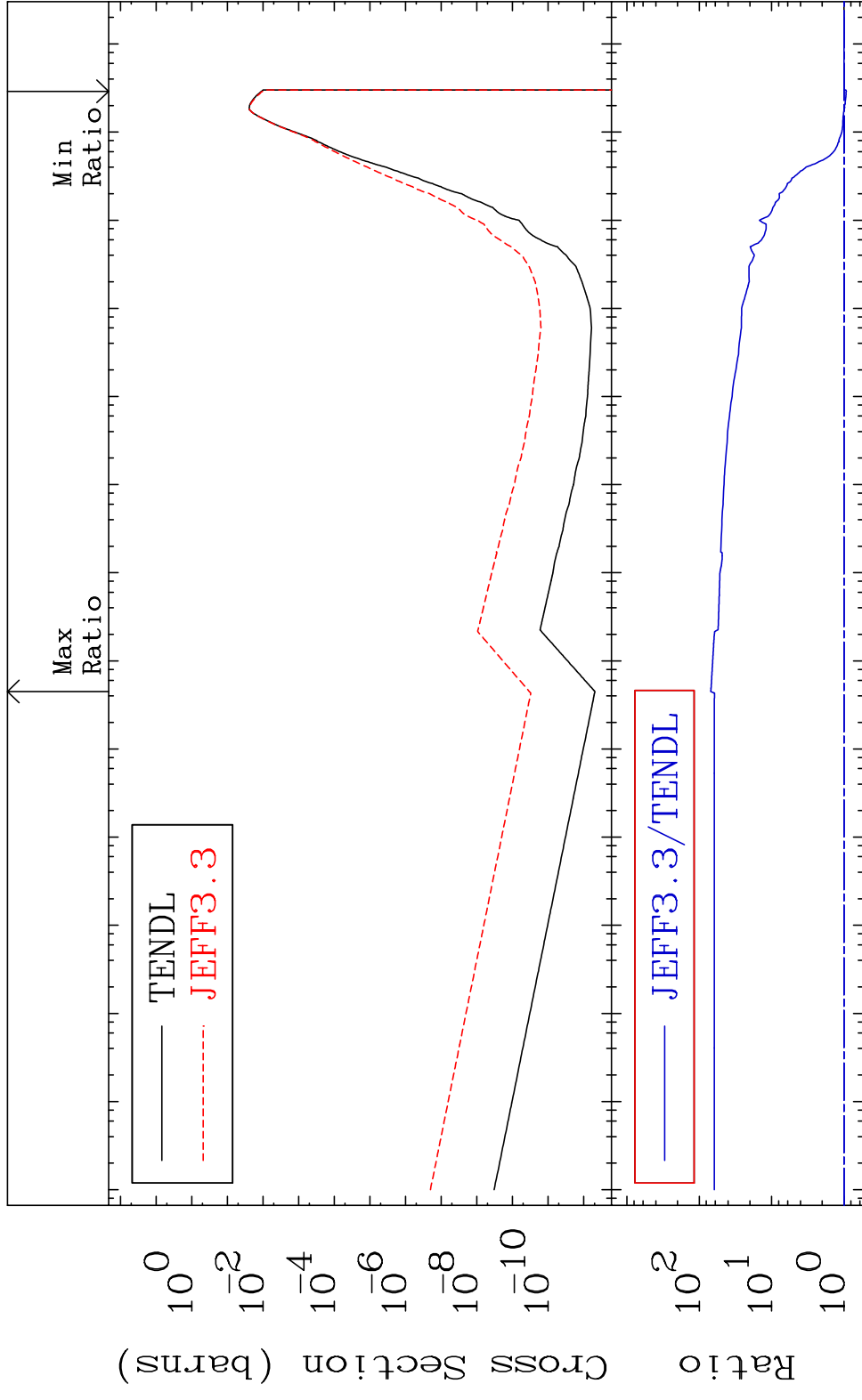
39-Y -88

MAT 3922

(n,  $\alpha$ )

39-Y -88

Cross Section -7.203 To 6857. %

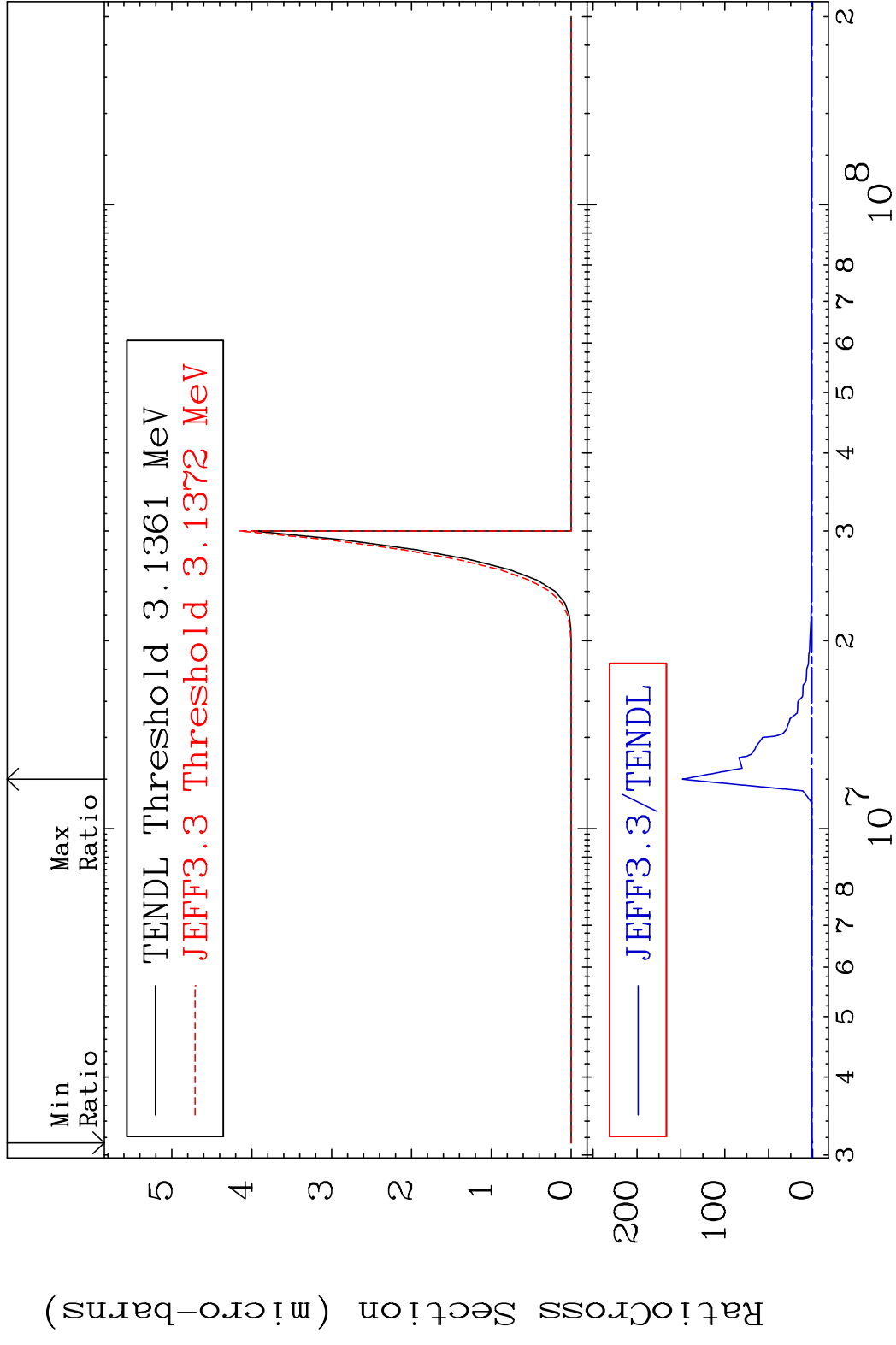


MAT 3922

(n,2α)

39-Y -88

Cross Section -100.0 To 9999. %



55

Incident Energy (eV)

39-Y -88

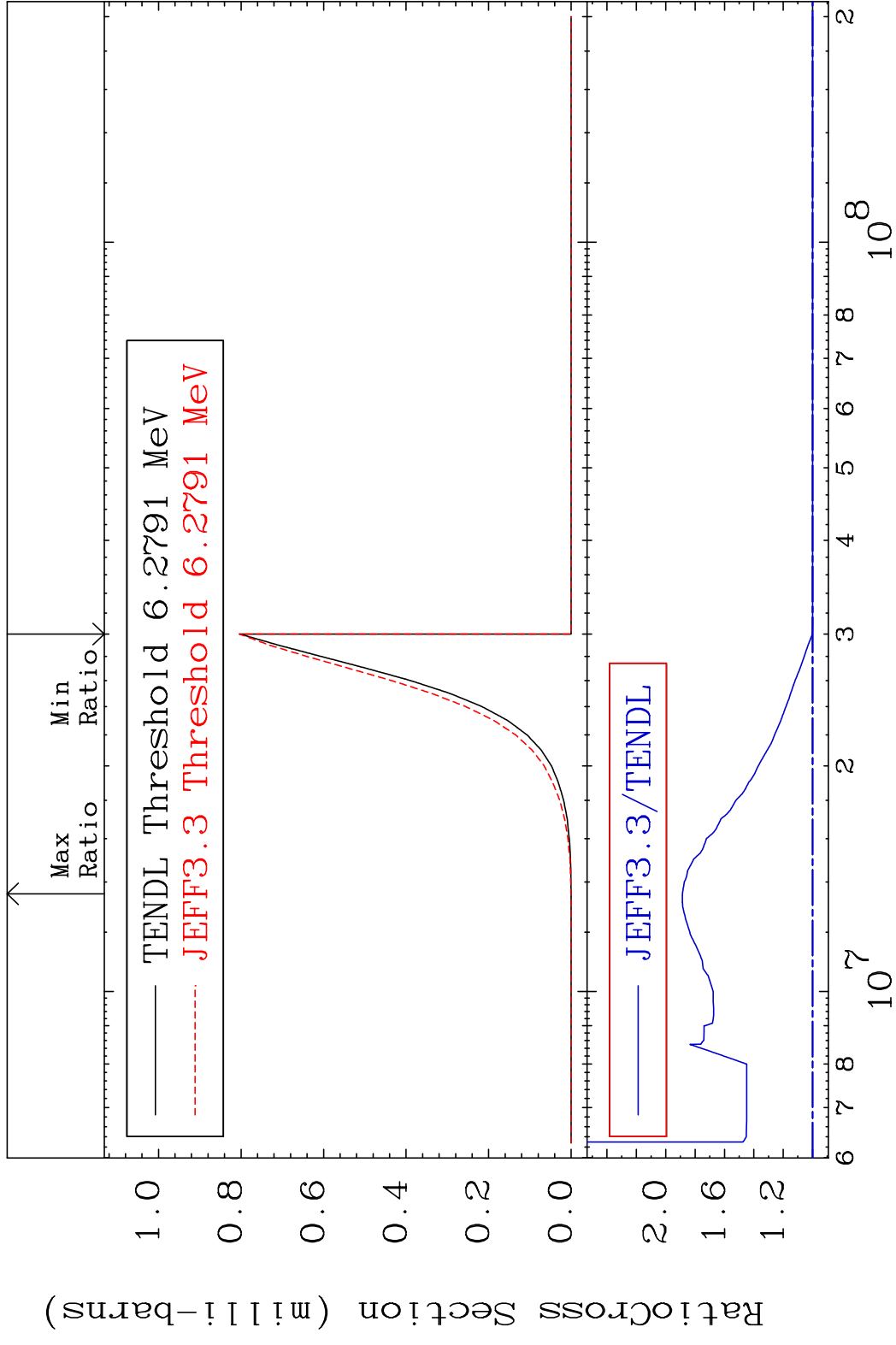


MAT 3922

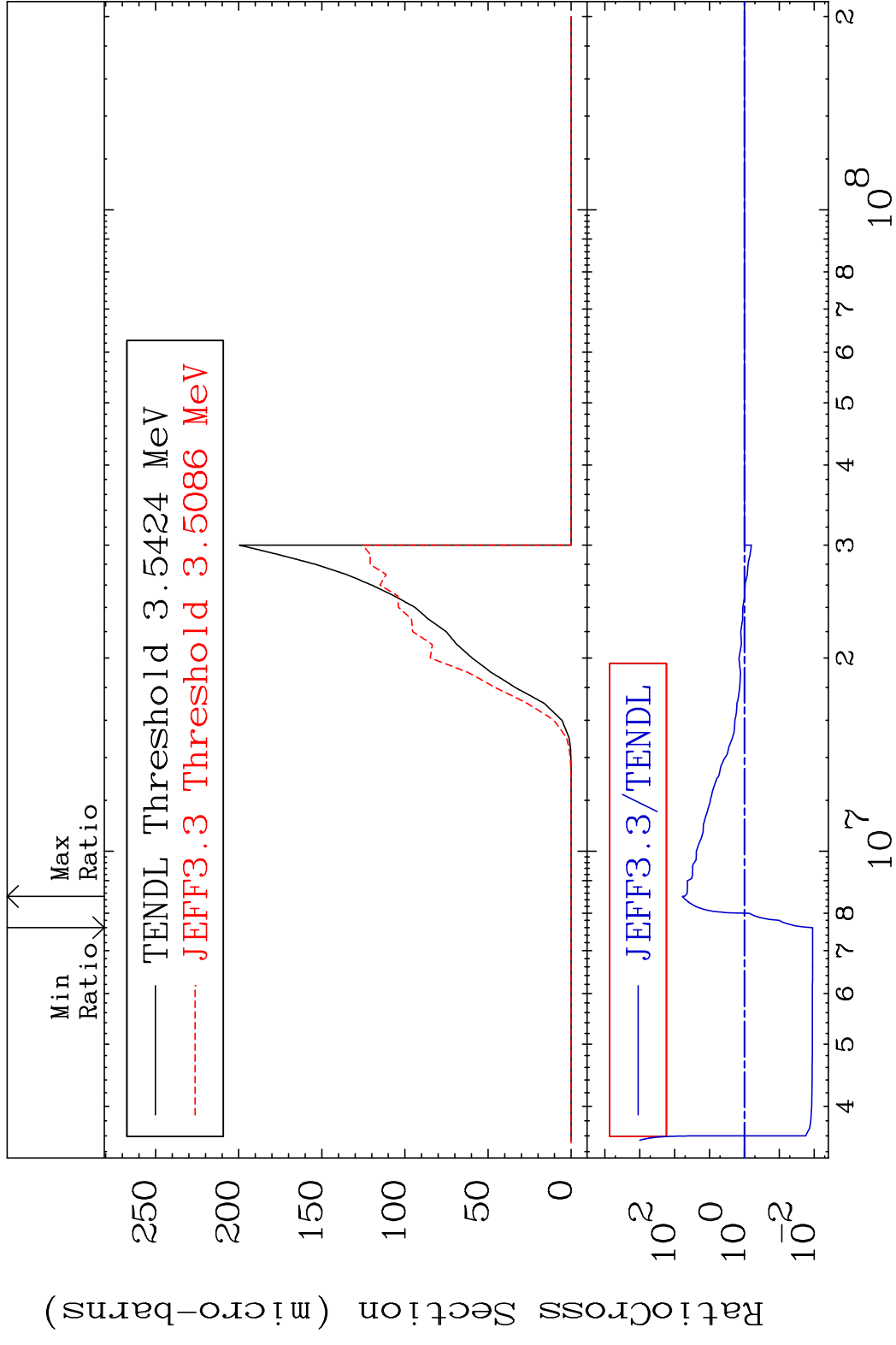
(n,2p)

39-Y -88

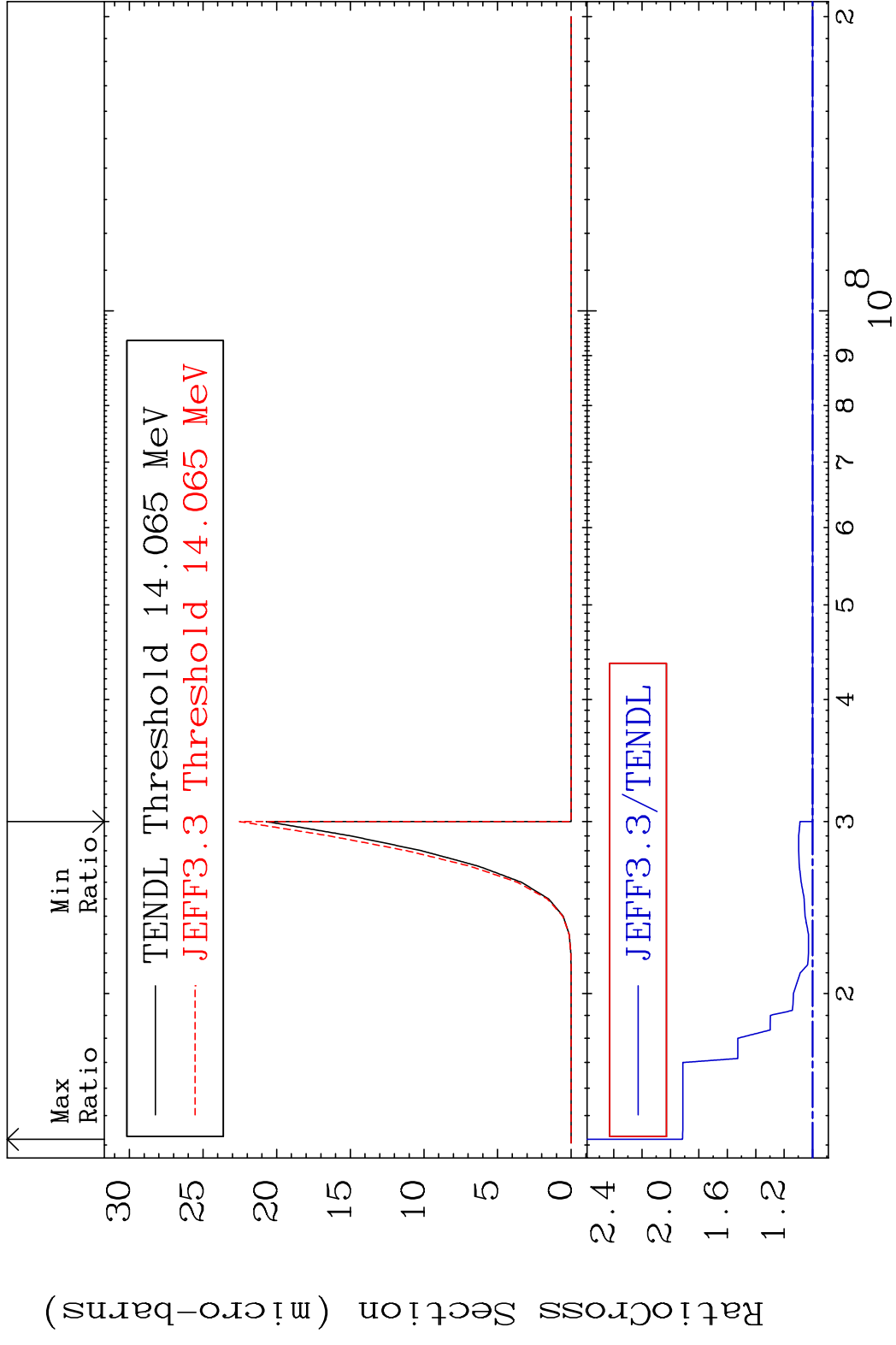
Cross Section 0.000 To 88.68 %



MAT 3922 (n,p)  $\alpha$  39-Y -88  
 Cross Section -98.89 To 5897. %



MAT 3922 (n,p) d 39-Y -88  
 Cross Section 0.000 To 91.64 %

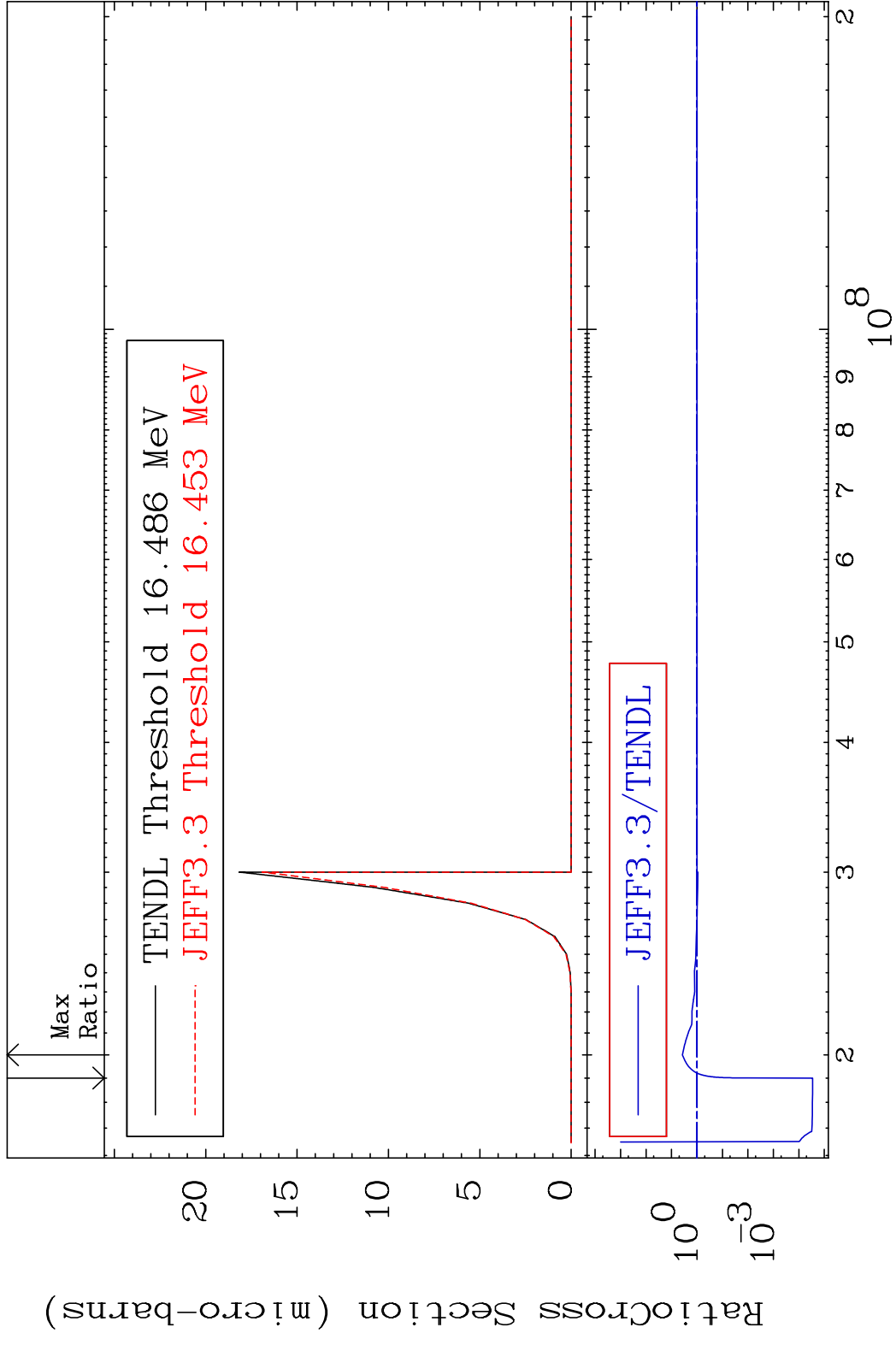


MAT 3922

(n,p) t

39-Y -88

Cross Section -100.0 To 275.5 %

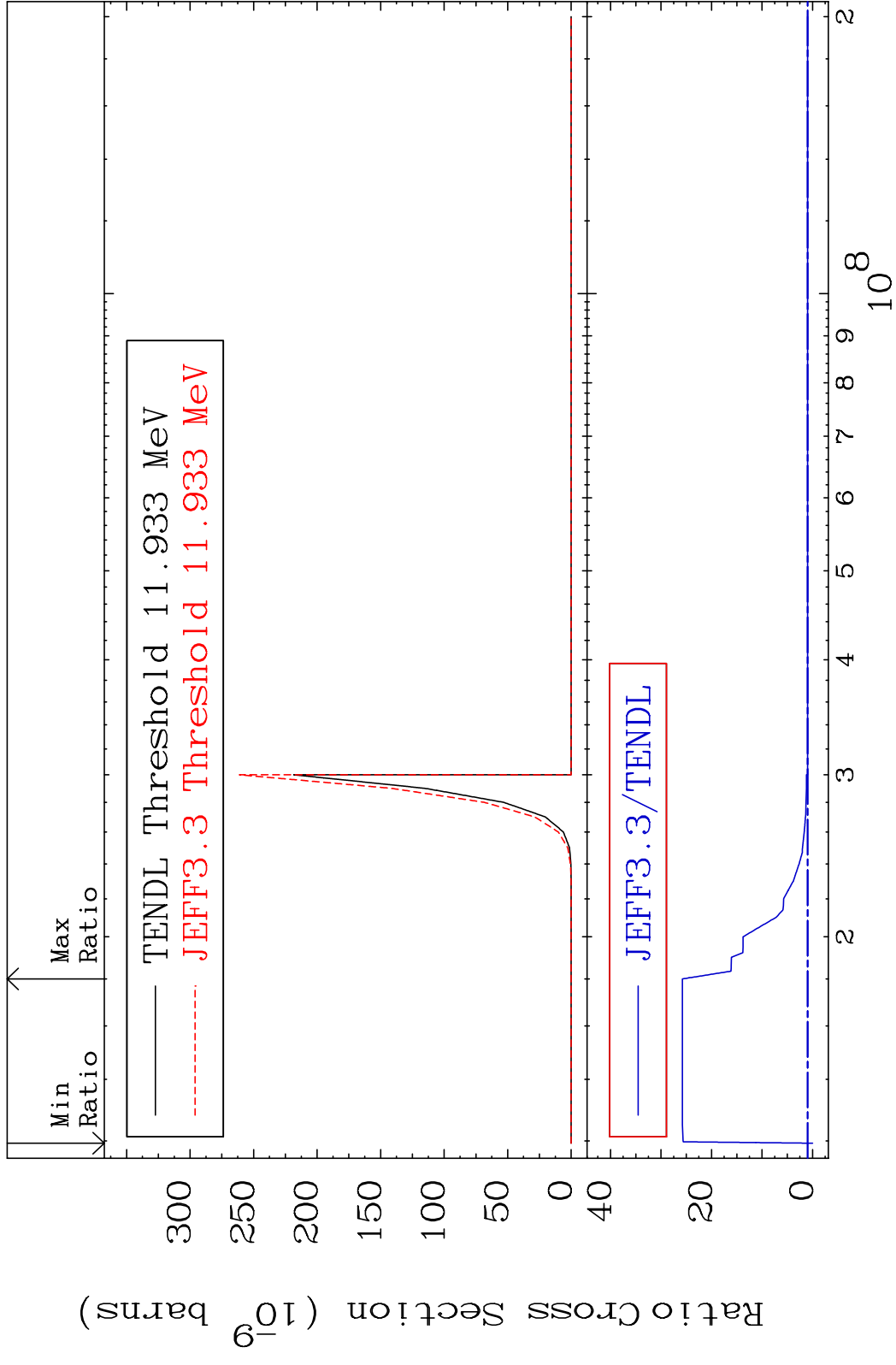


MAT 3922

(n,d)  $\alpha$

39-Y -88

Cross Section -100.0 To 2478. %

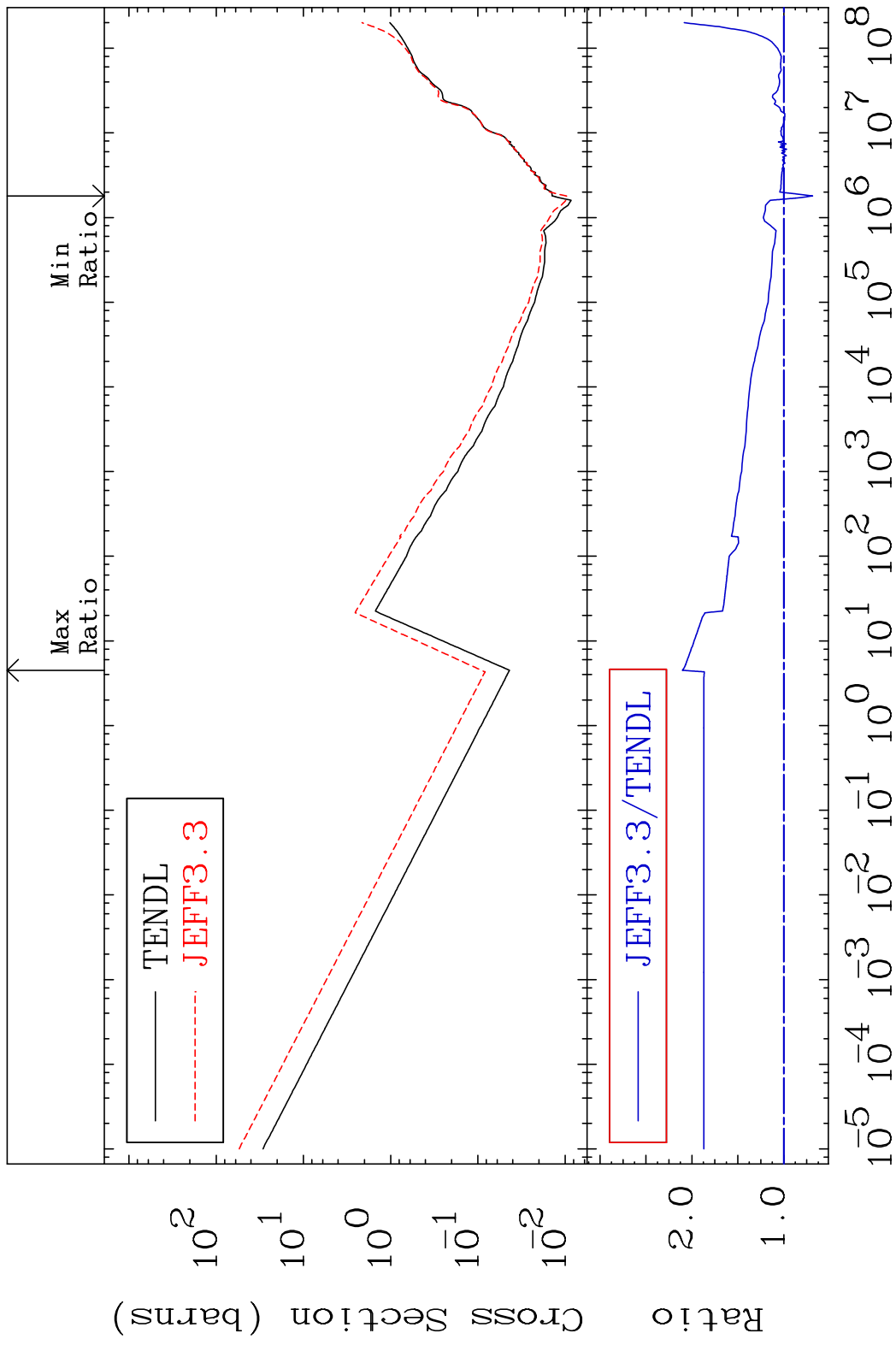


60

Incident Energy (eV)

39-Y -88

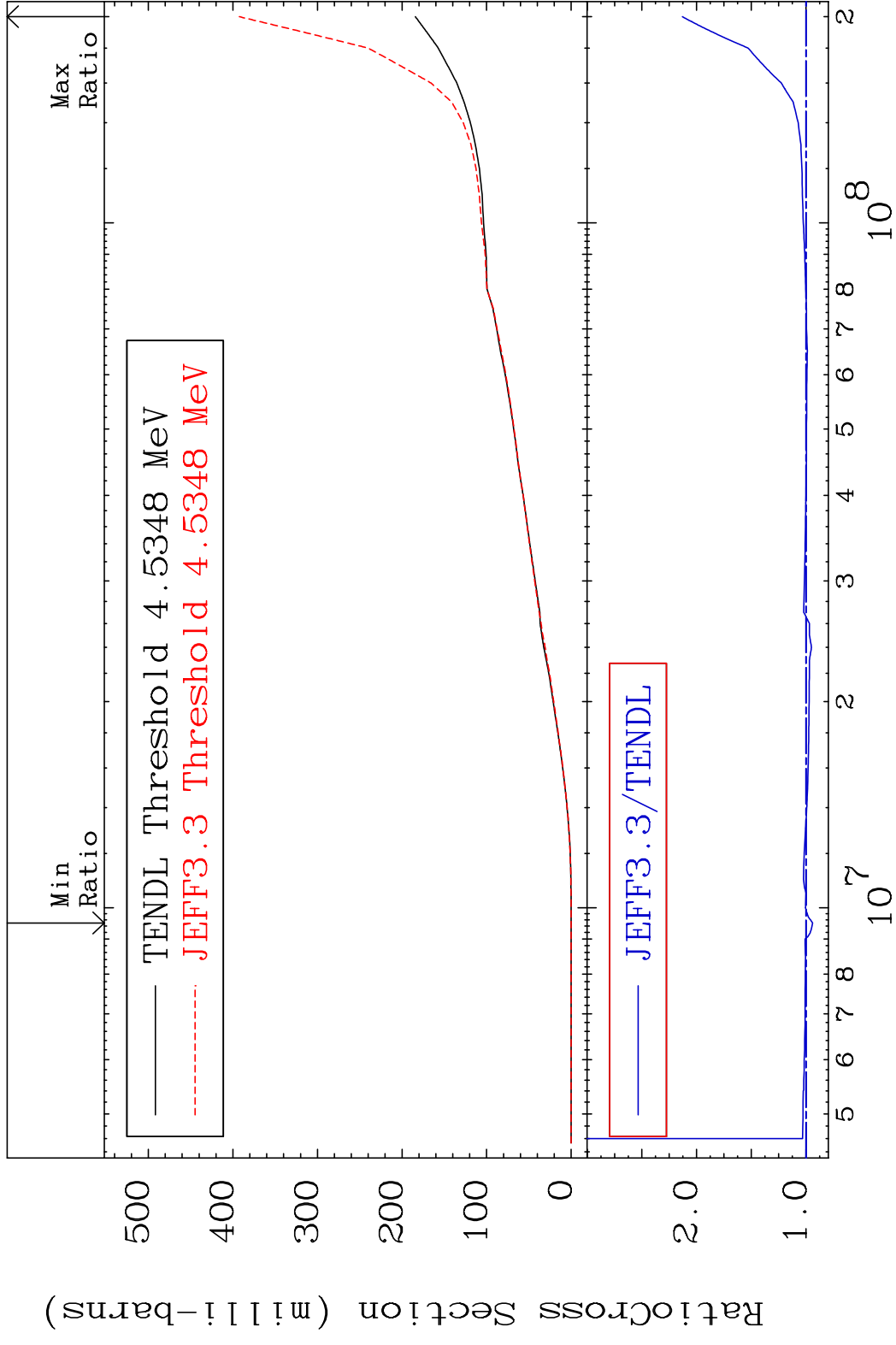
MAT 3922 Hydrogen Production 39-Y -88  
 Cross Section -31.35 To 110.4 %



61 Incident Energy (eV) 39-Y -88

MAT 3922

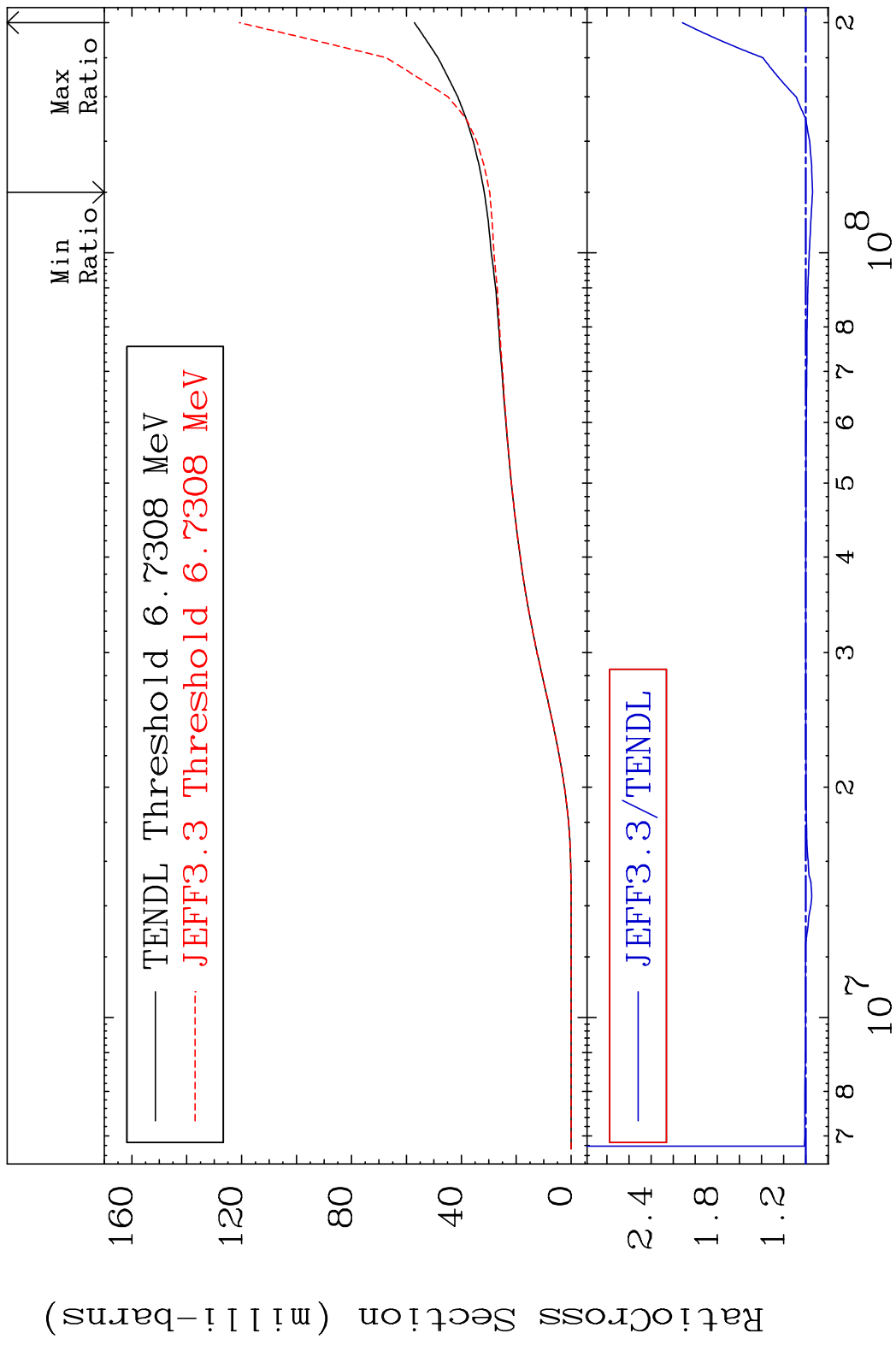
Deuterium Production 39-Y -88  
Cross Section -6.074 To 113.0 %



62

Incident Energy (eV) 39-Y -88

MAT 3922 Tritium Production 39-Y -88  
 Cross Section -6.209 To 111.7 %



63 Incident Energy (eV) 39-Y -88

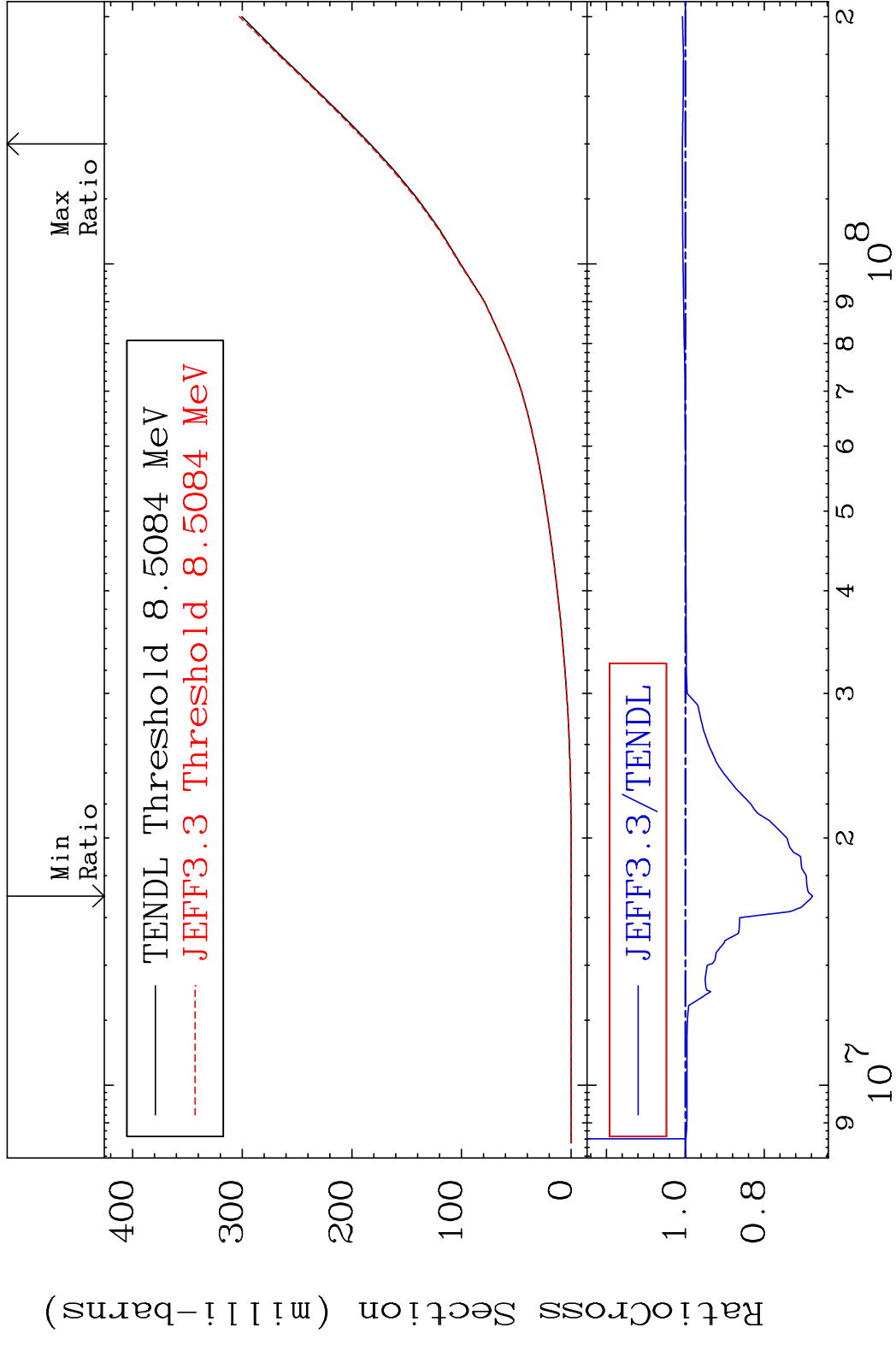


MAT 3922

He-3 Production

39-Y -88

Cross Section -32.26 To 0.751 %

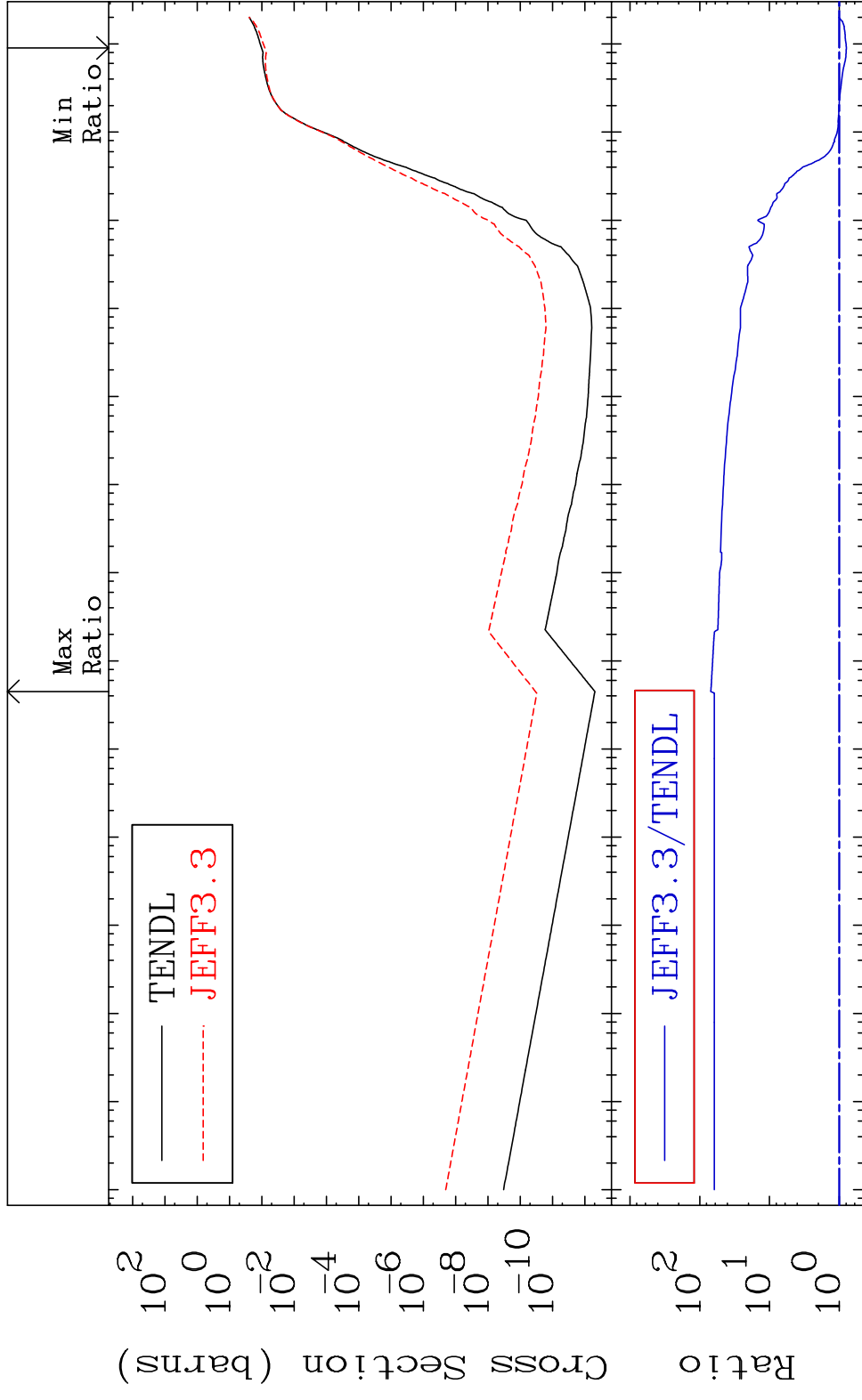


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Incident Energy (eV)

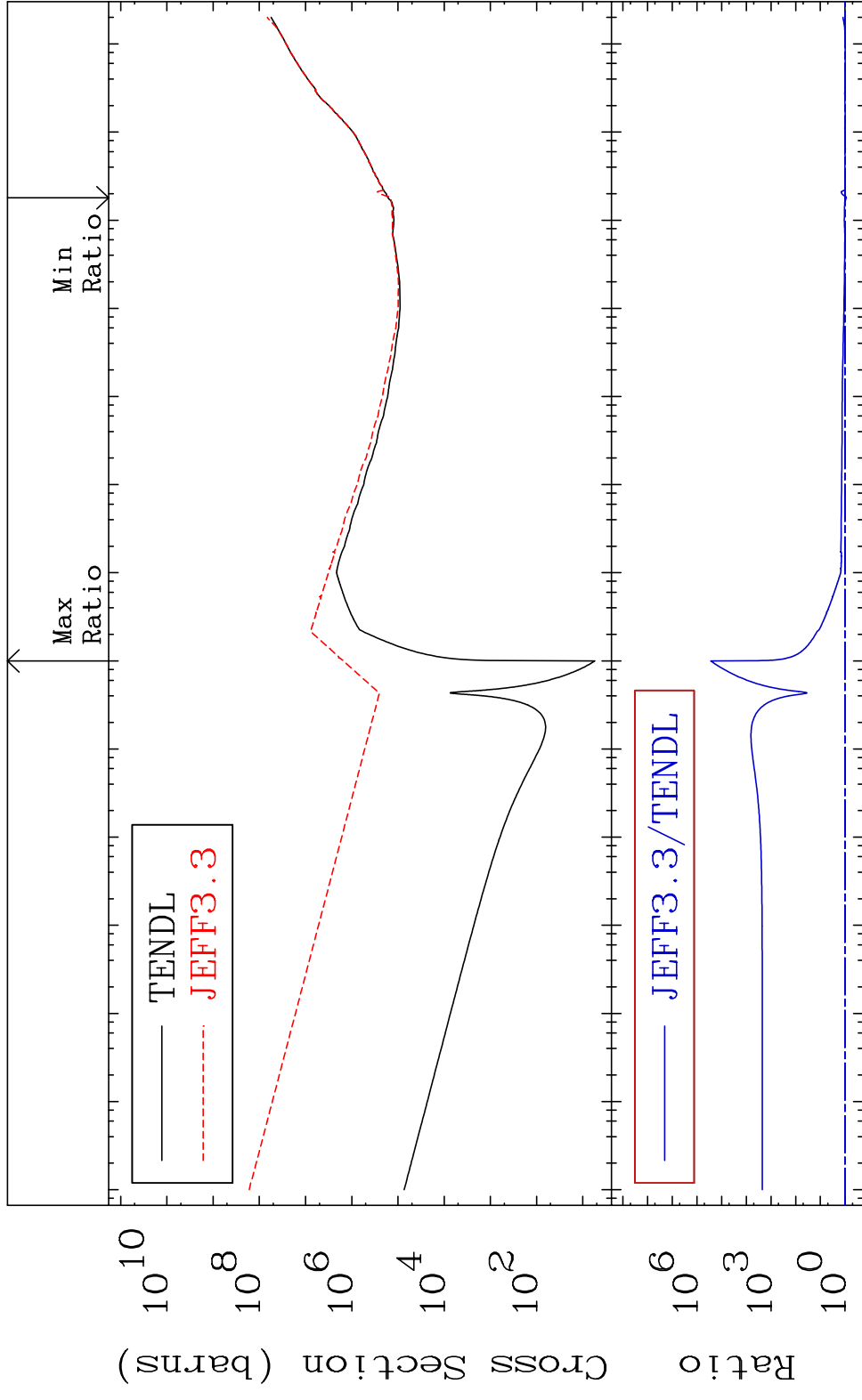
39-Y -88

MAT 3922 He-4 Production 39-Y -88  
 Cross Section -20.71 To 6857. %



65 Incident Energy (eV) 39-Y -88

MAT 3922 Kerma total (eV-barns) 39-Y -88  
 Cross Section -11.43 To 9999. %

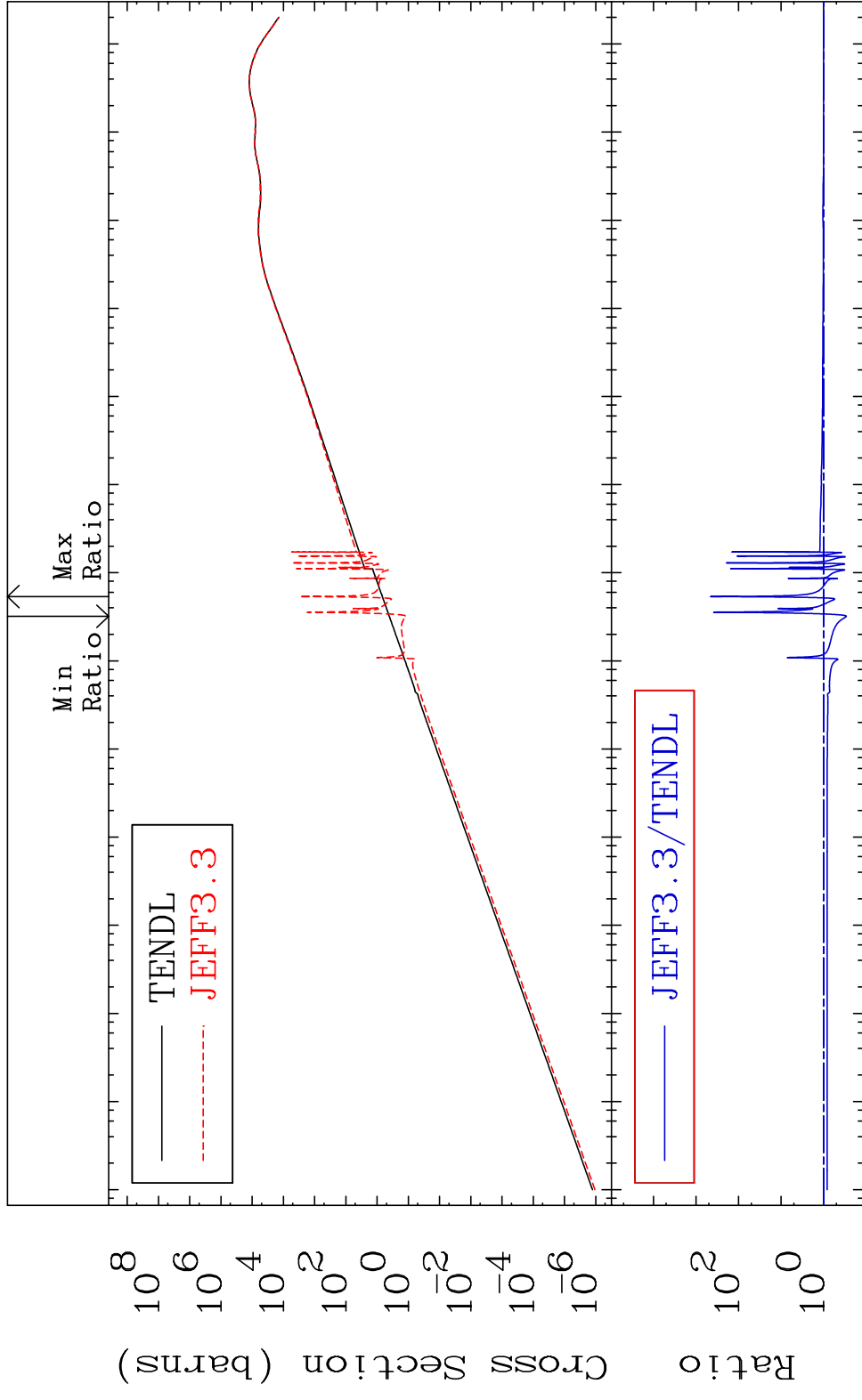


MAT 3922

Kerma elastic

39-Y -88

Cross Section -70.66 To 9999. %

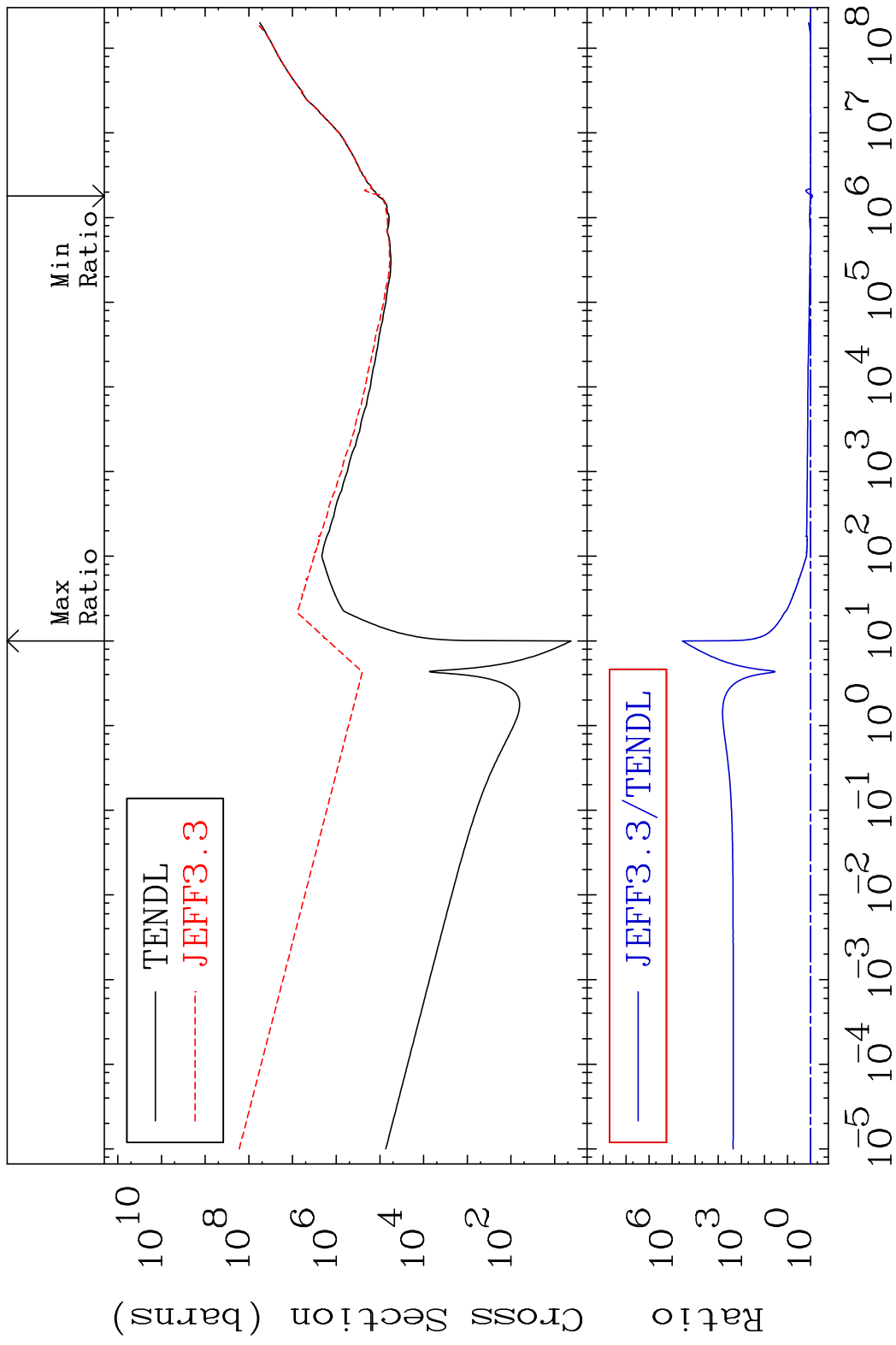


67

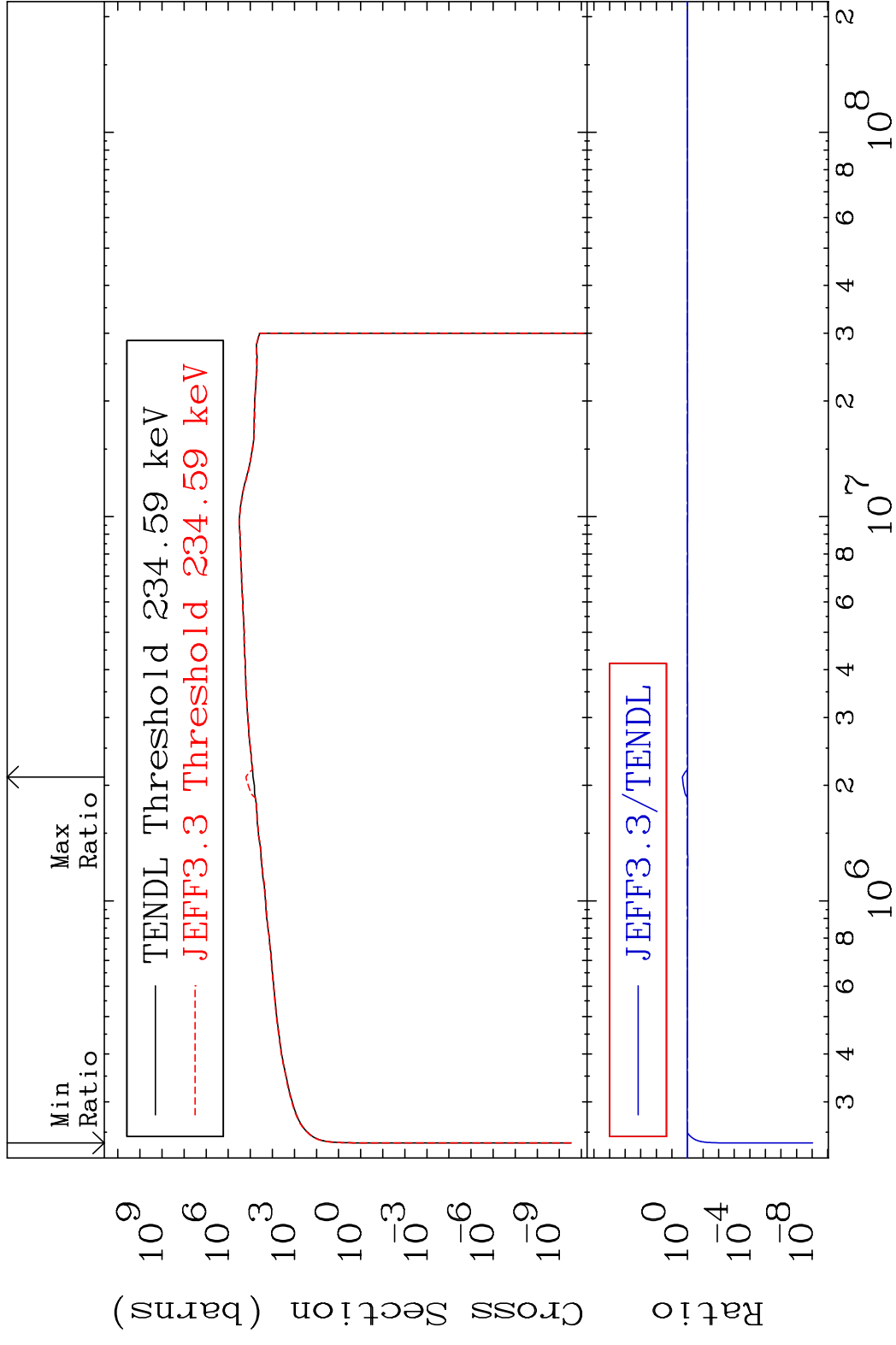
Incident Energy (eV)

39-Y -88

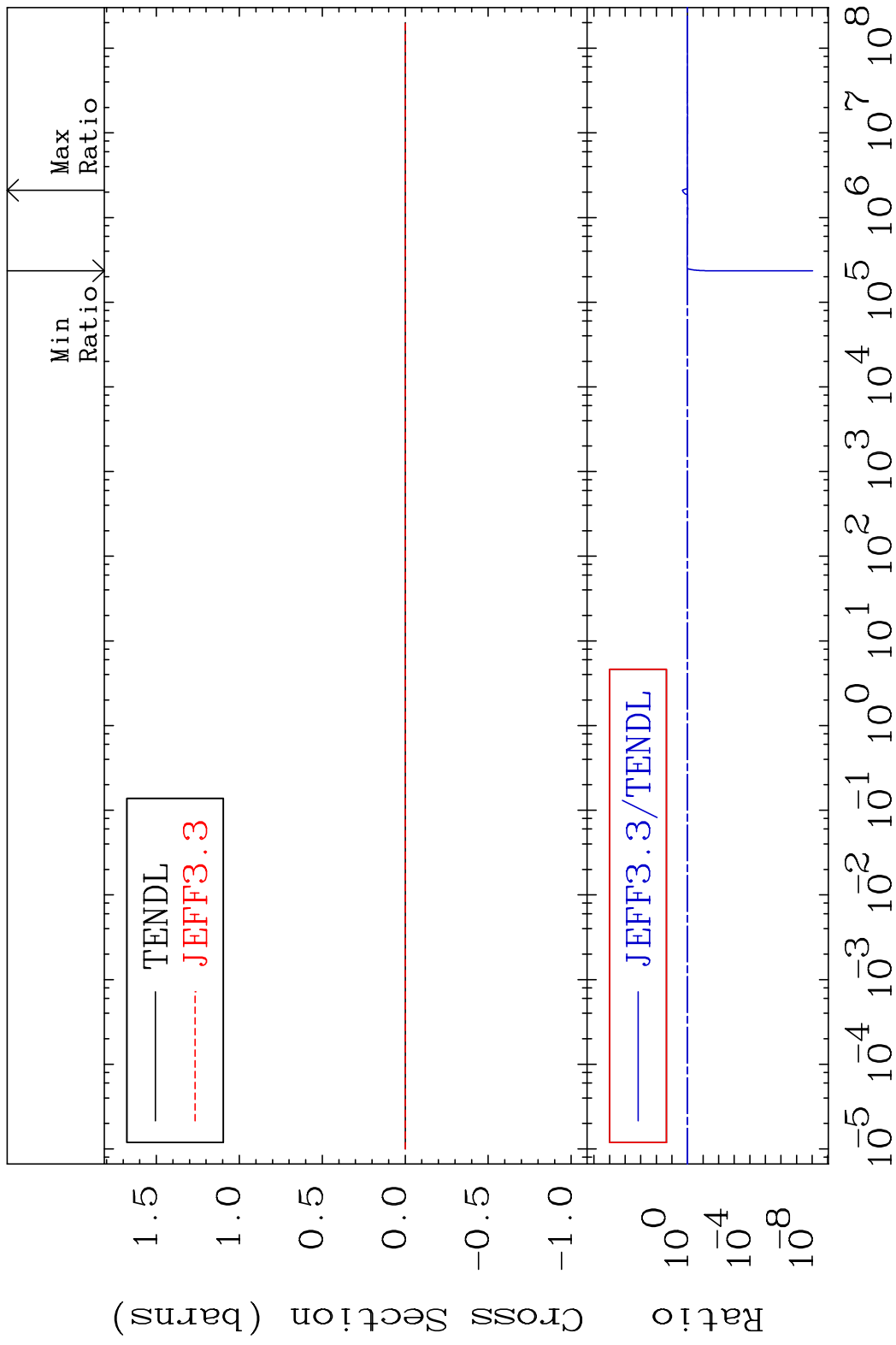
MAT 3922 Kerma non-elastic (all but mt2) 39-Y -88  
 Cross Section -18.36 To 9999. %



MAT 3922 Kerma inelastic (mt51-91) 39-Y -88  
 Cross Section -100.0 To 113.1 %



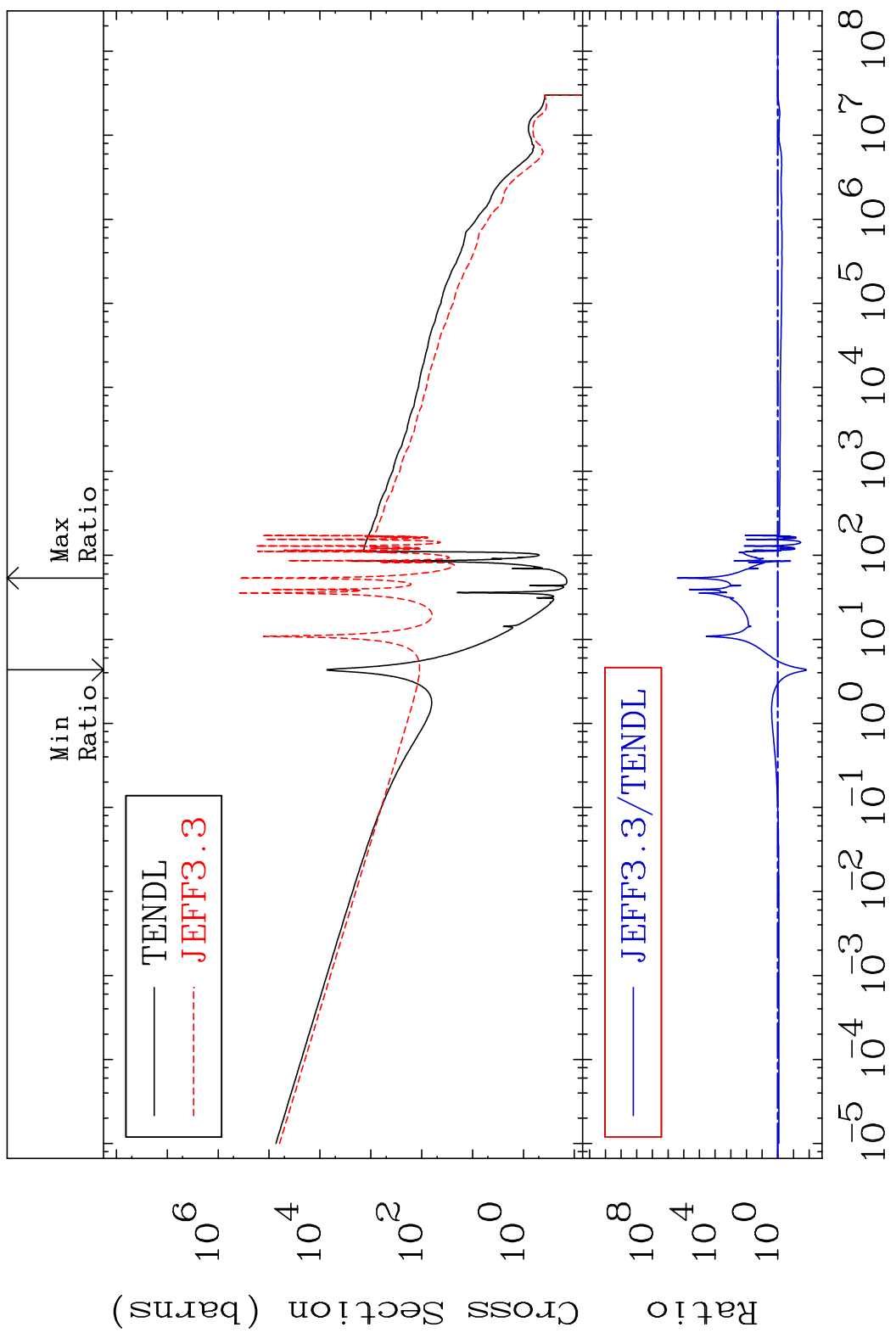
MAT 3922 Kerma fission (mt18 or mt19-20-21-38) 39-Y -88  
 Cross Section -100.0 To 113.1 %



70 Incident Energy (eV) 39-Y -88

MAT 3922

Kerma capture (mt102) 39-Y -88  
Cross Section -98.51 To 9999. %

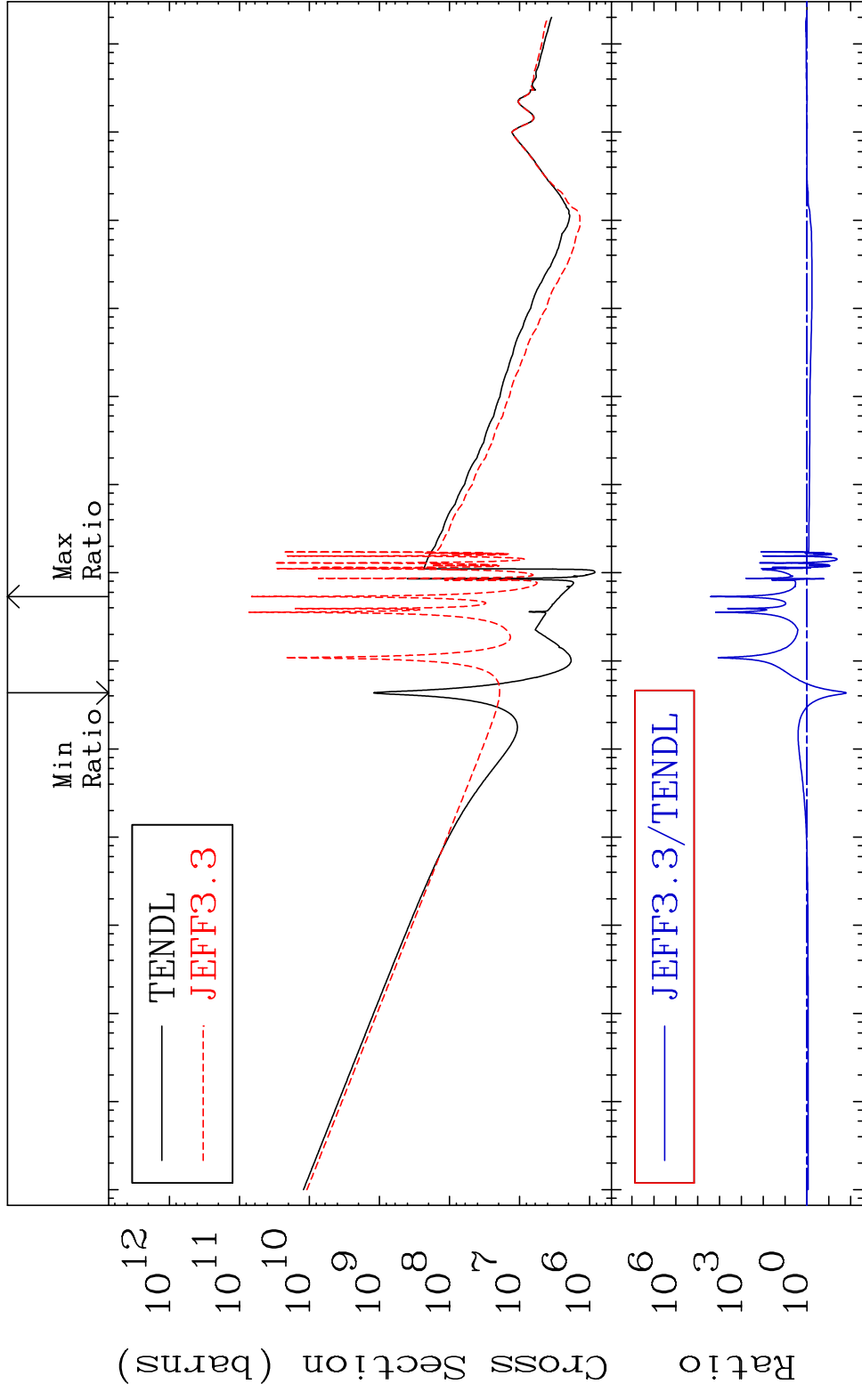


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Incident Energy (eV) 39-Y -88

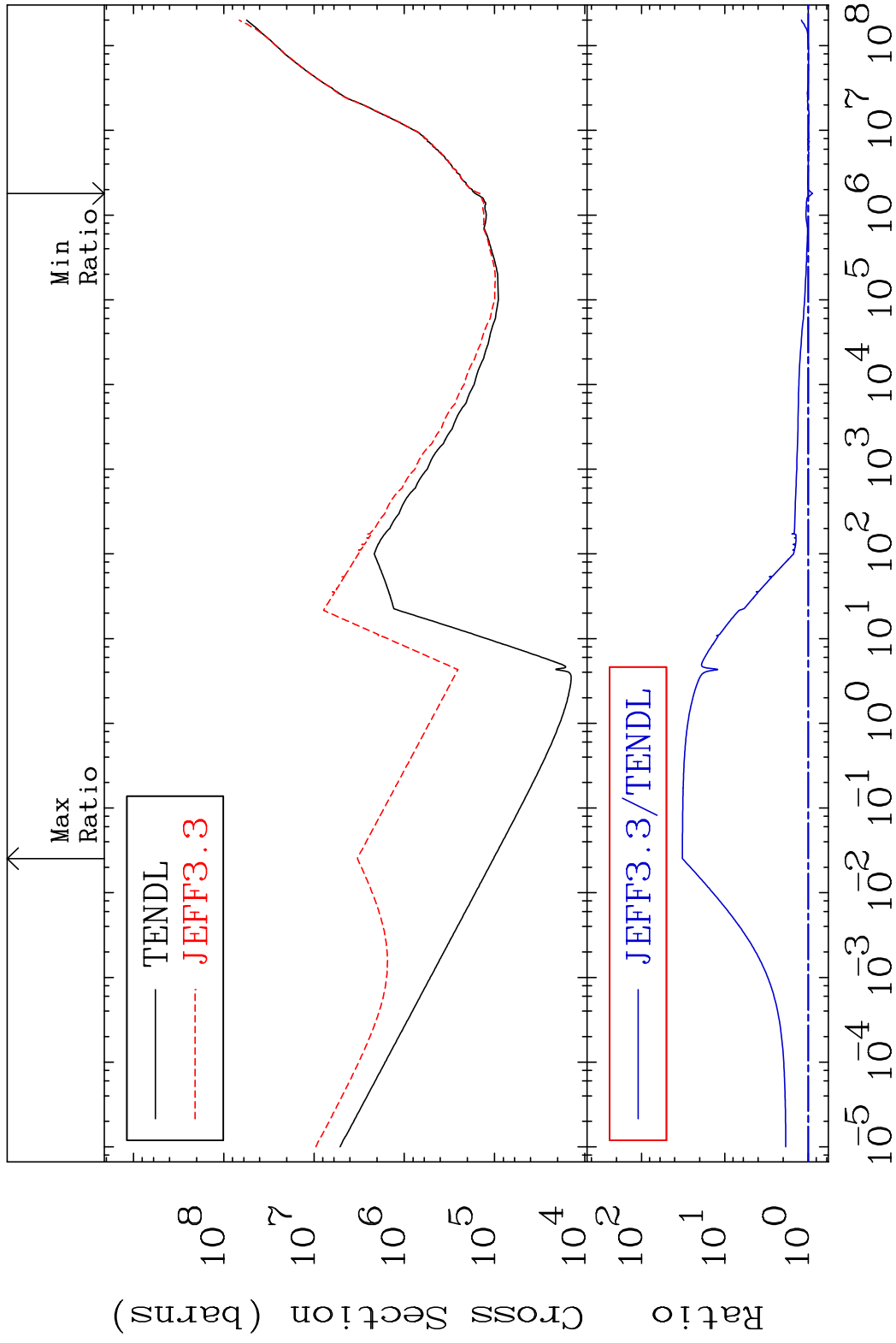


MAT 3922 Total photon (eV-barns) 39-Y -88  
 Cross Section -98.41 To 9999. %



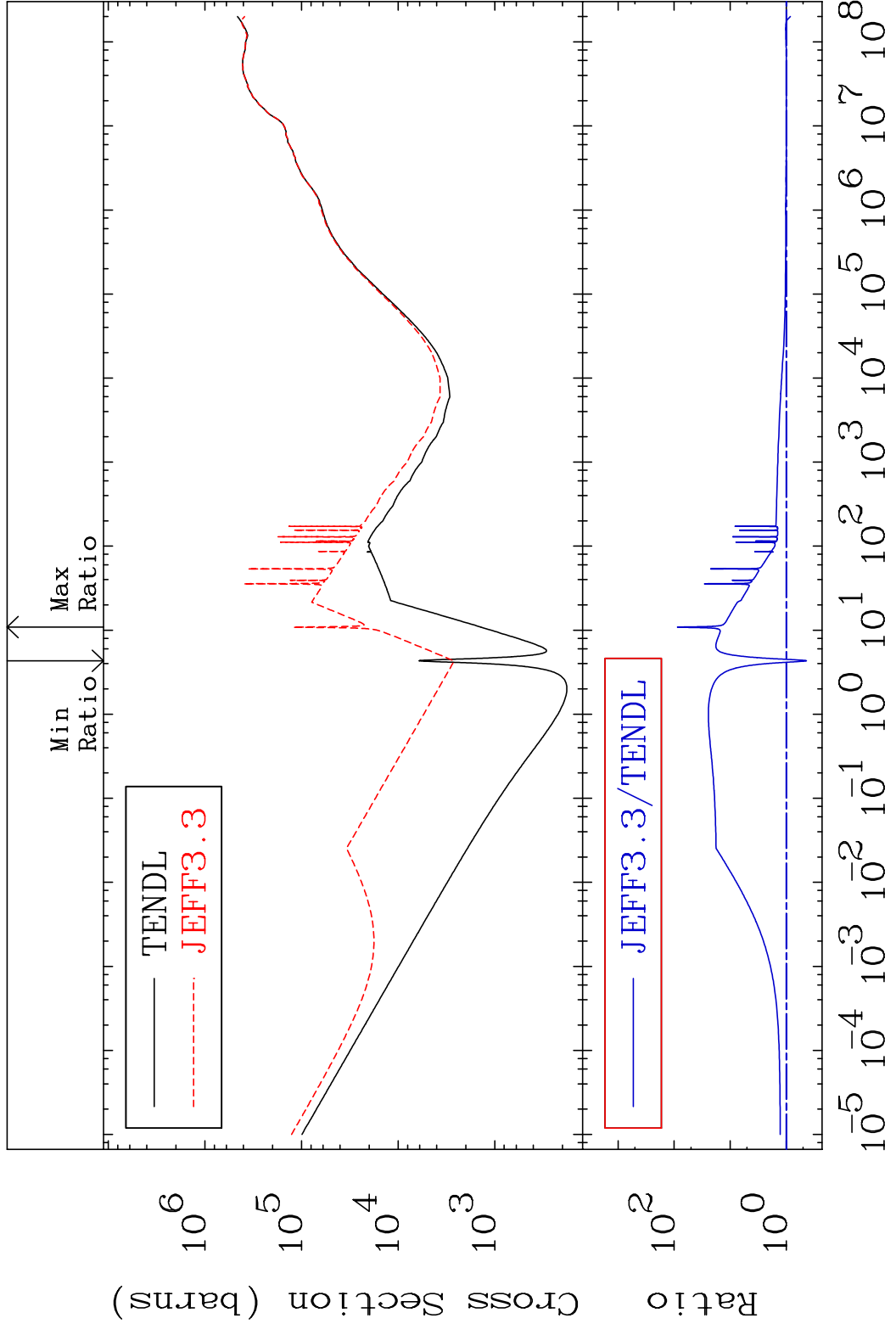
72 Incident Energy (eV) 39-Y -88

MAT 3922 Total kinematic kerma (high limit) 39-Y -88  
 Cross Section -11.39 To 3133. %



MAT 3922

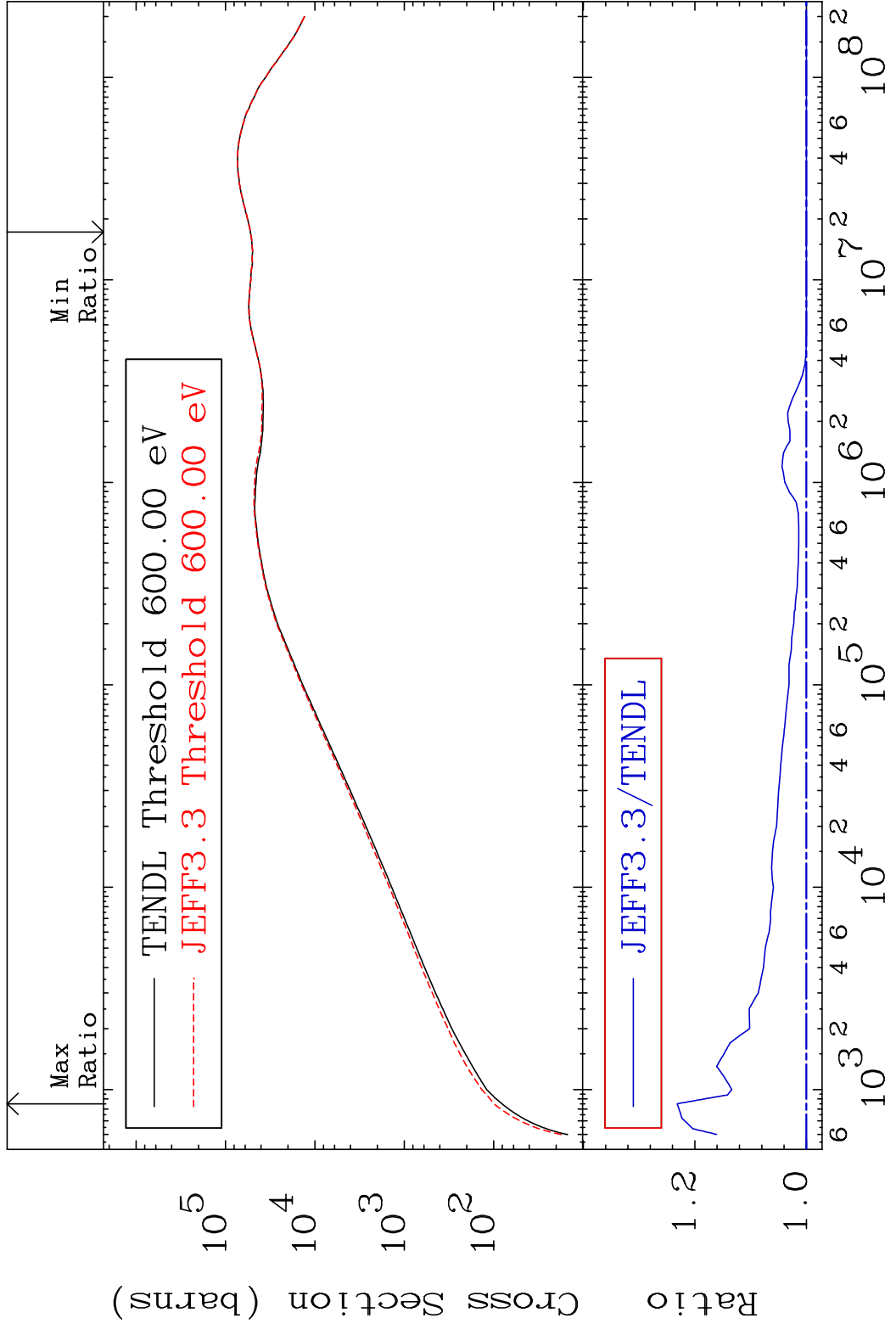
Dpa total (eV-barns) 39-Y -88  
Cross Section -56.39 To 8706. %



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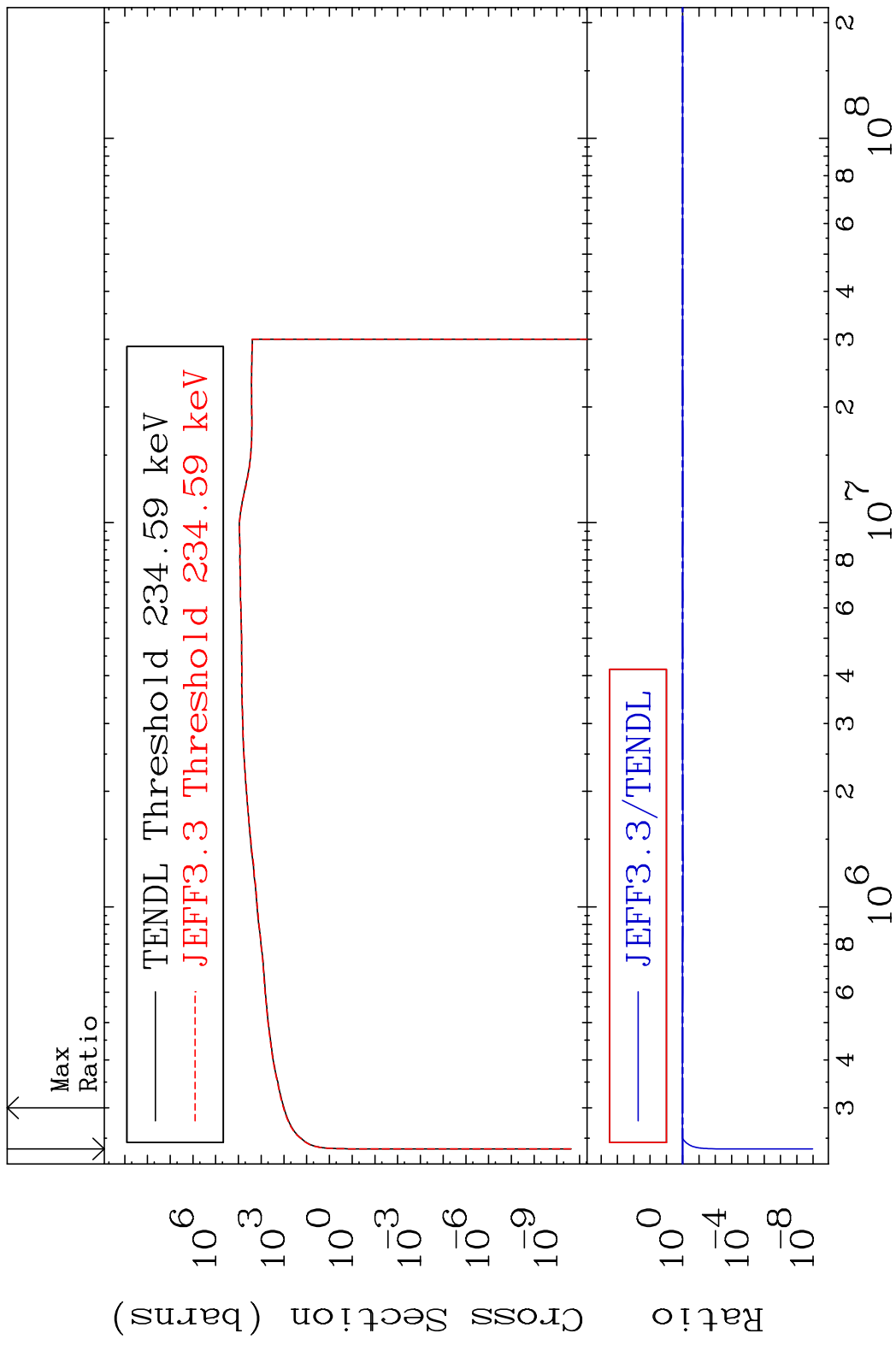
Incident Energy (eV) 39-Y -88

MAT 3922      Dpa elastic (mt2)      39-Y -88  
 Cross Section      -0.002 To 23.16 %

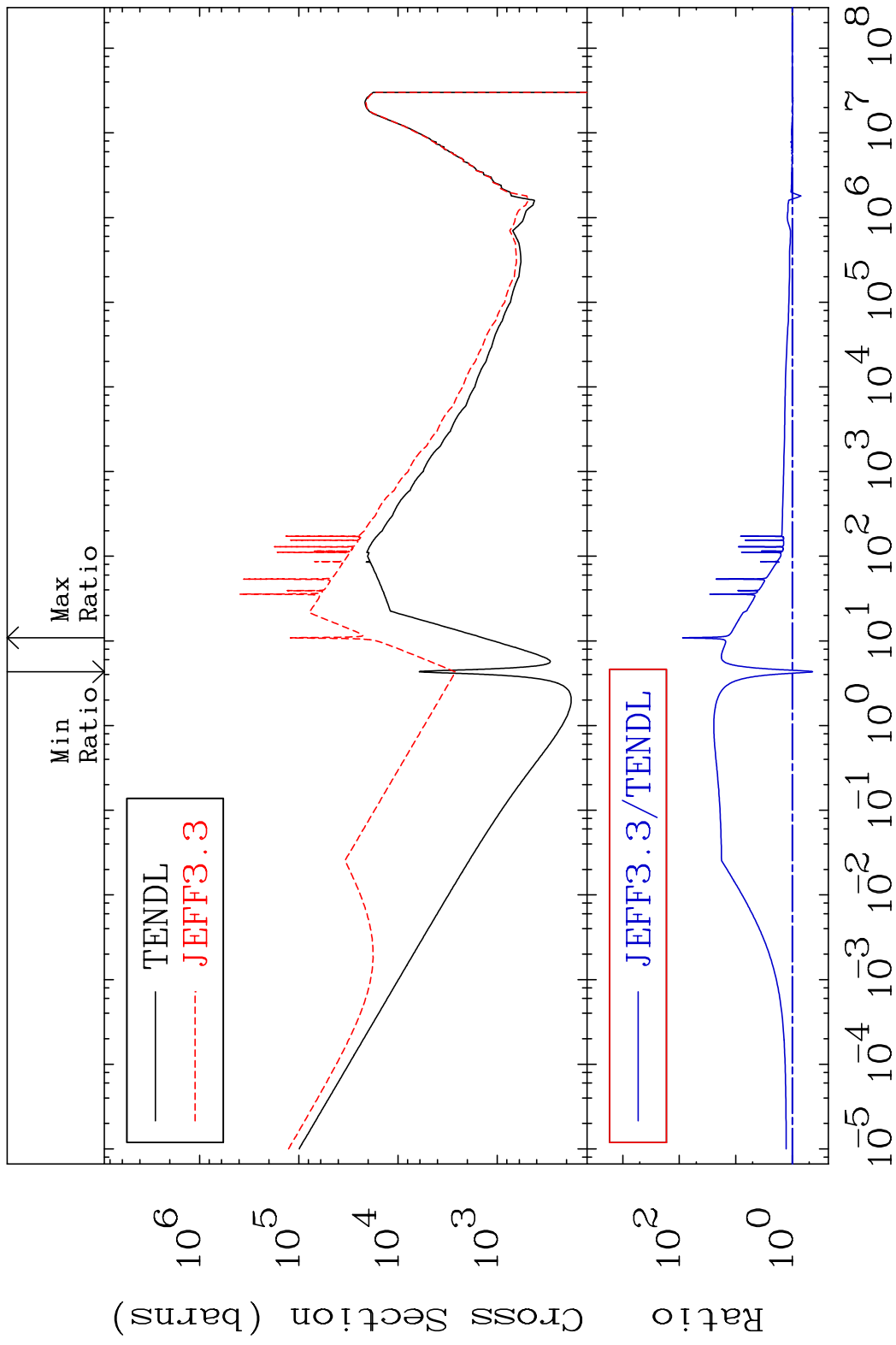


75      Incident Energy (eV)      39-Y -88

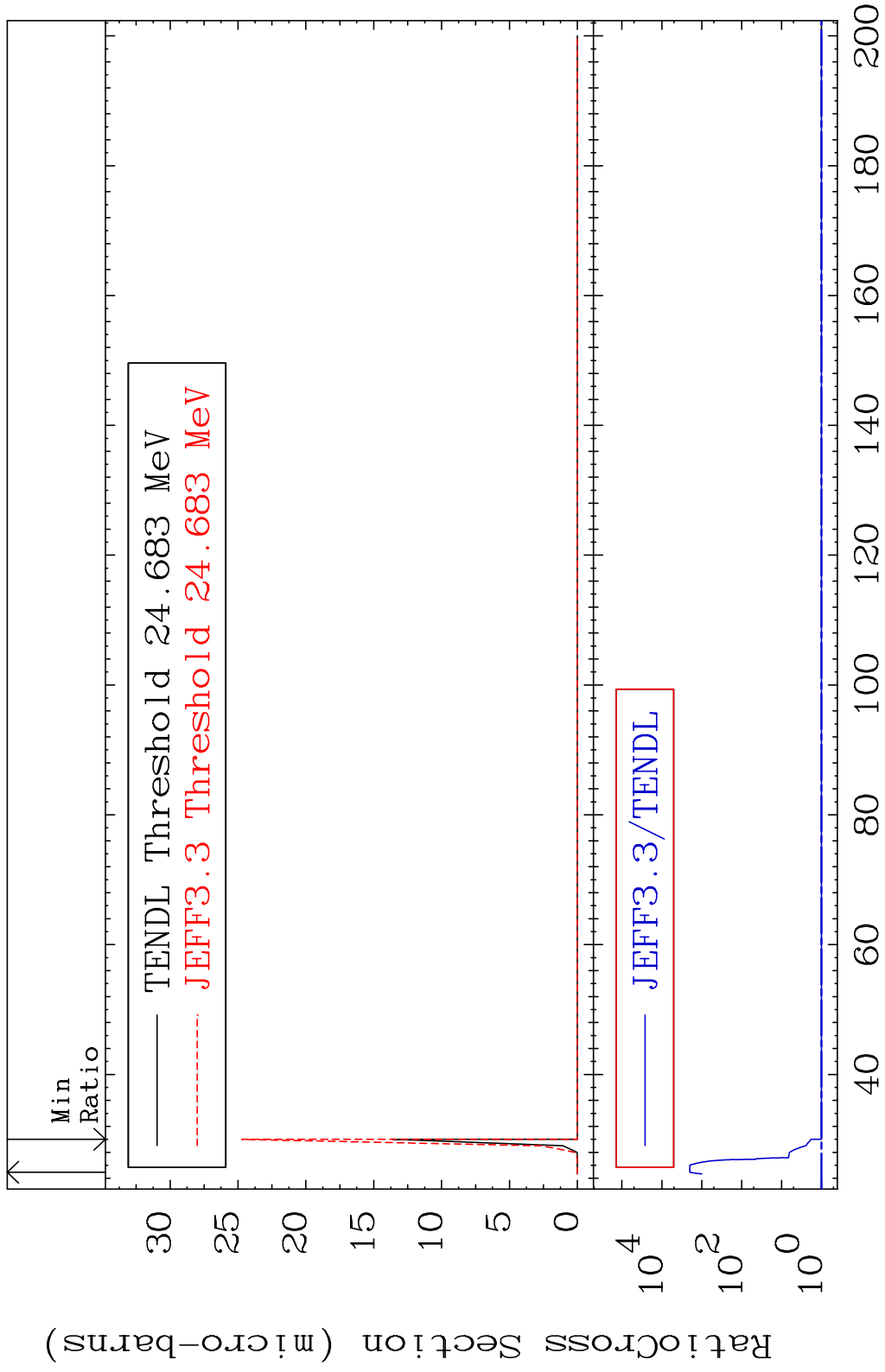
MAT 3922      Dpa inelastic (mt51-91)      39-Y -88  
 Cross Section    -100.0 To 4.792 %



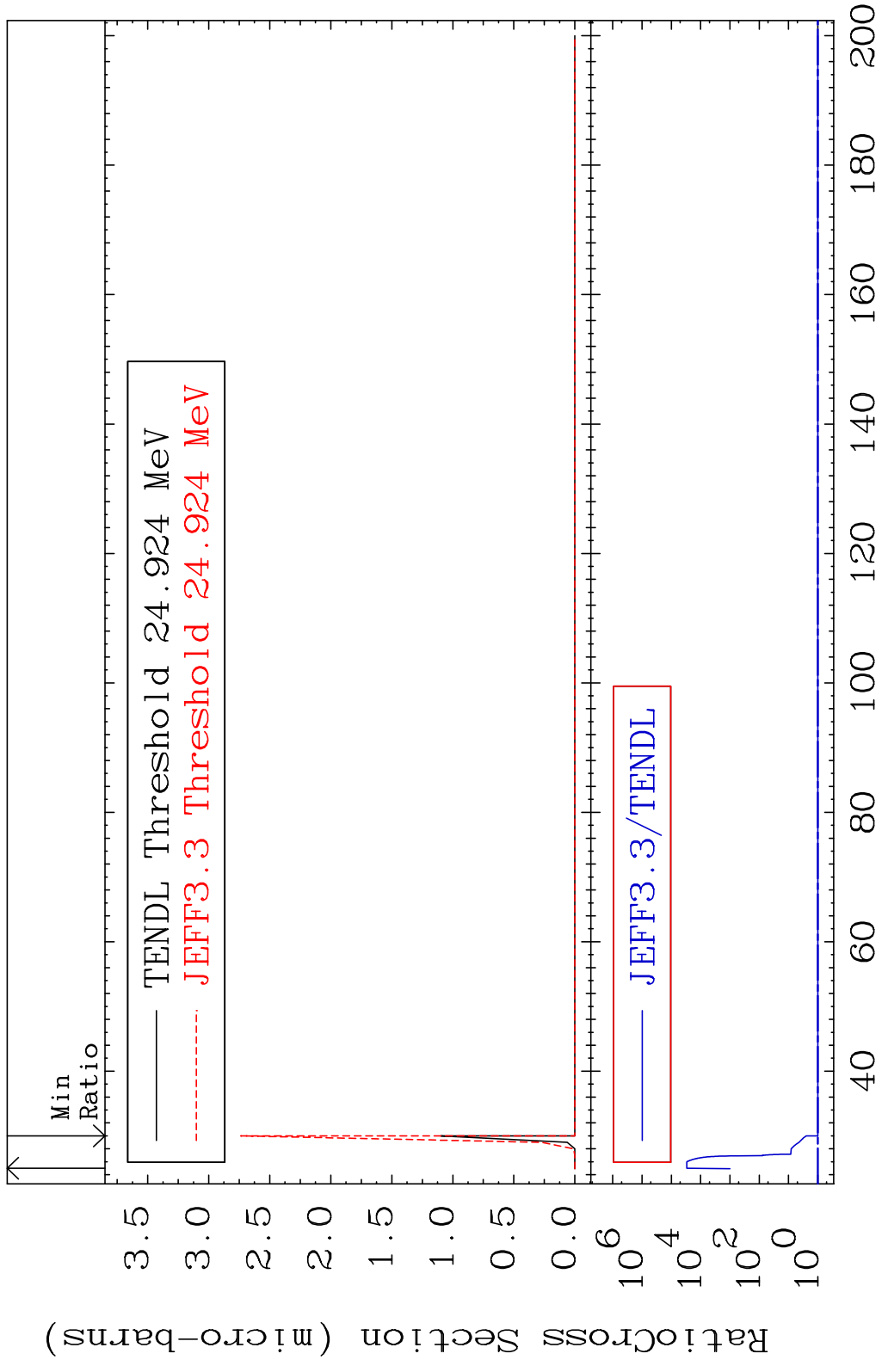
MAT 3922 Dpa disappearance (mt102 -120) 39-Y -88  
 Cross Section -56.39 To 8706. %



77 Incident Energy (eV) 39-Y -88

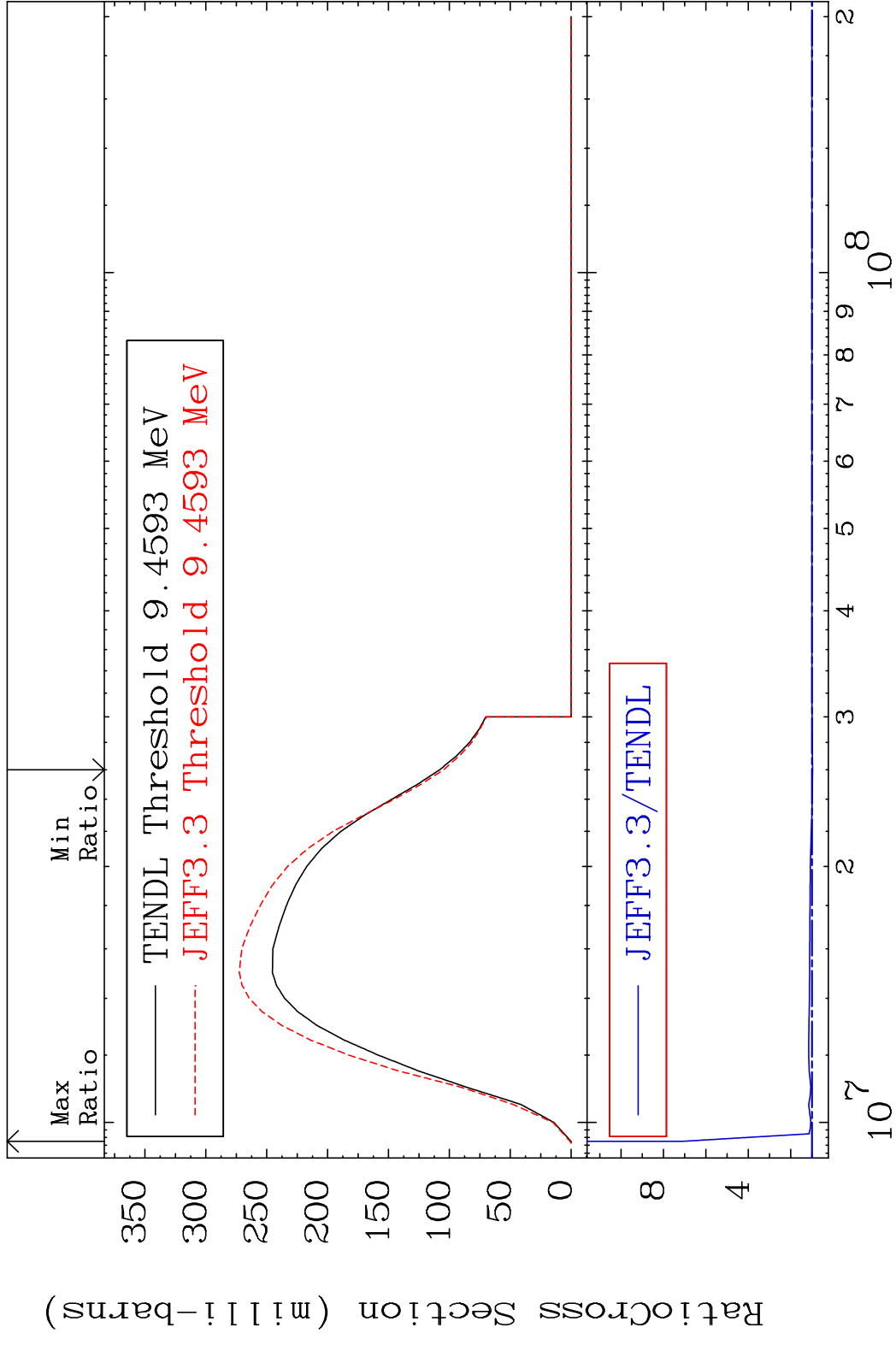


MAT 3922 (n,2n) d:38-Sr-85m2 39-Y -88  
 Radionuclide Production Cross Section 9999. %



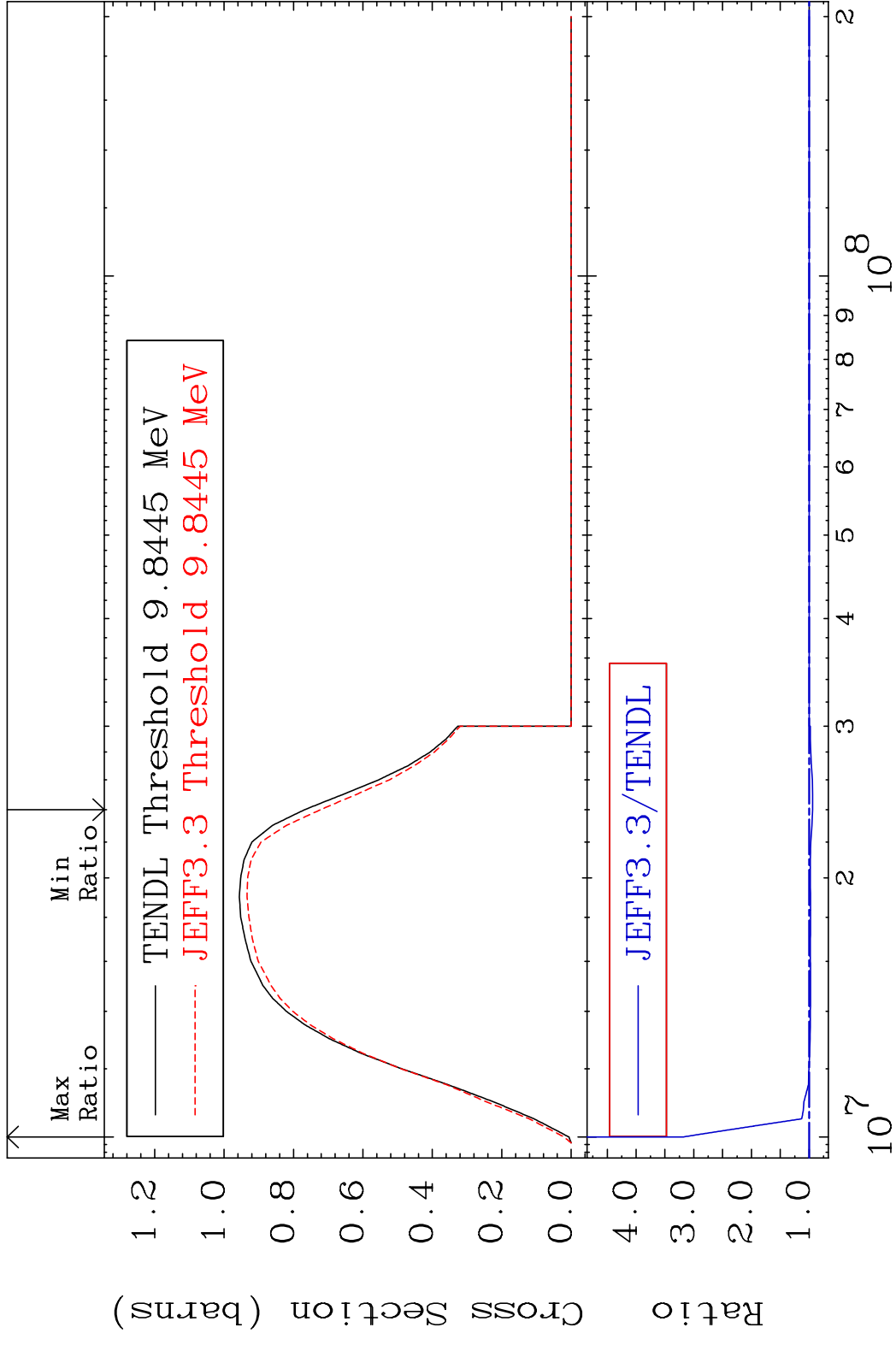


MAT 3922 (n,2n):39-Y -87g 39-Y -88  
 Radionuclide Production Cross Section 611.1 %



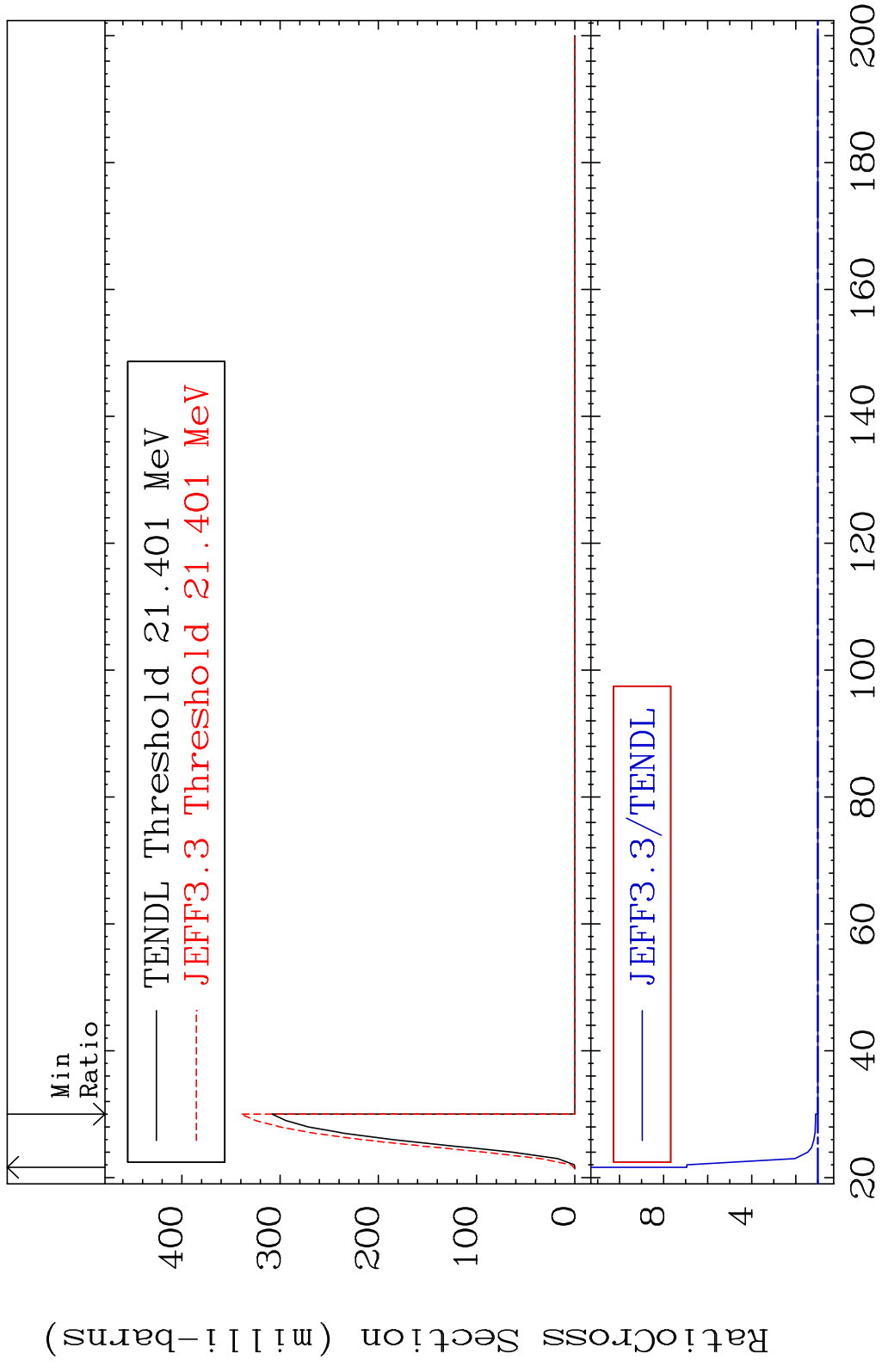
80 39-Y -88

MAT 3922 (n,2n):39-Y -87m1 39-Y -88  
 Radionuclide Production Cross-Section 219.8 %

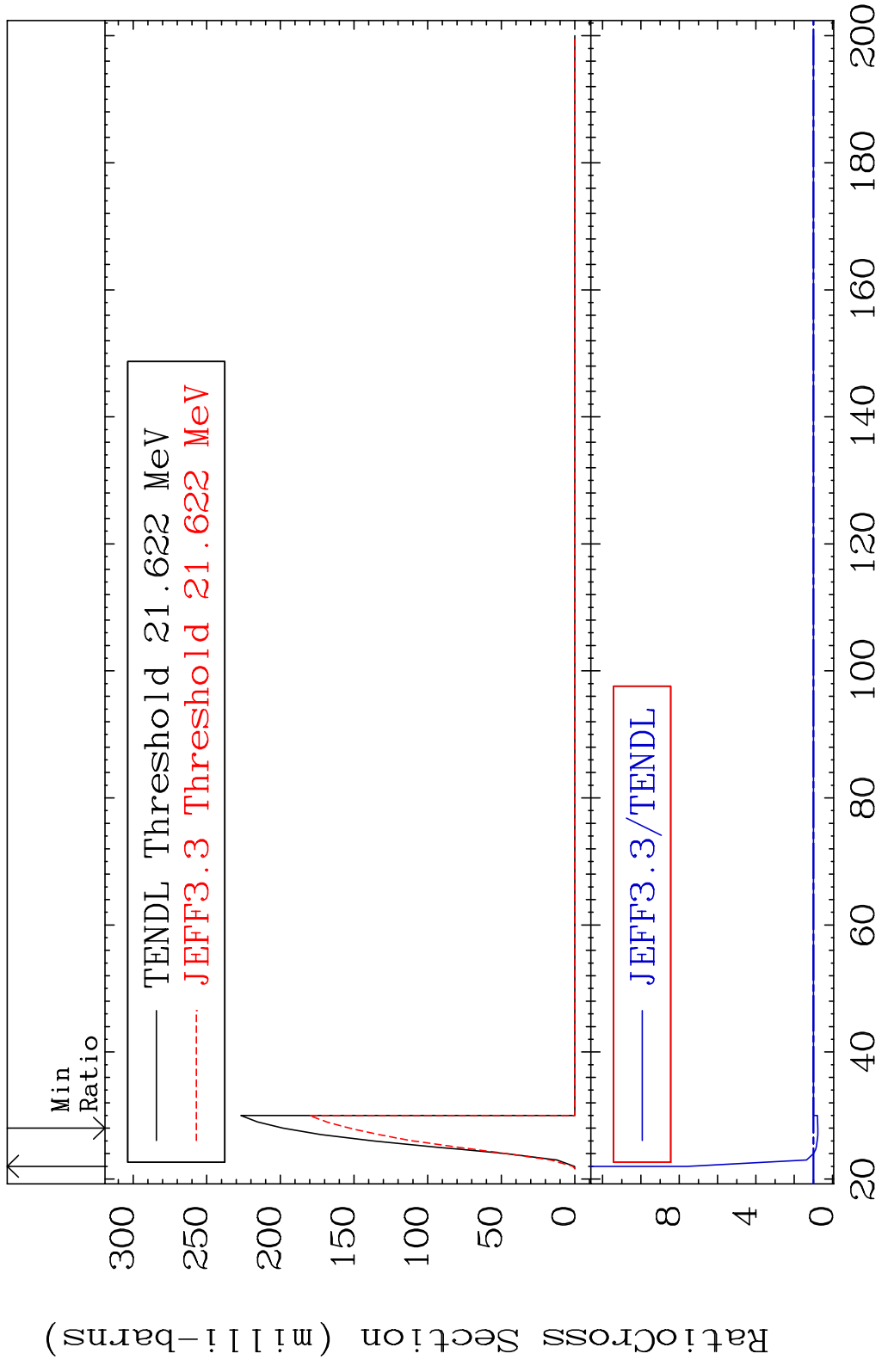


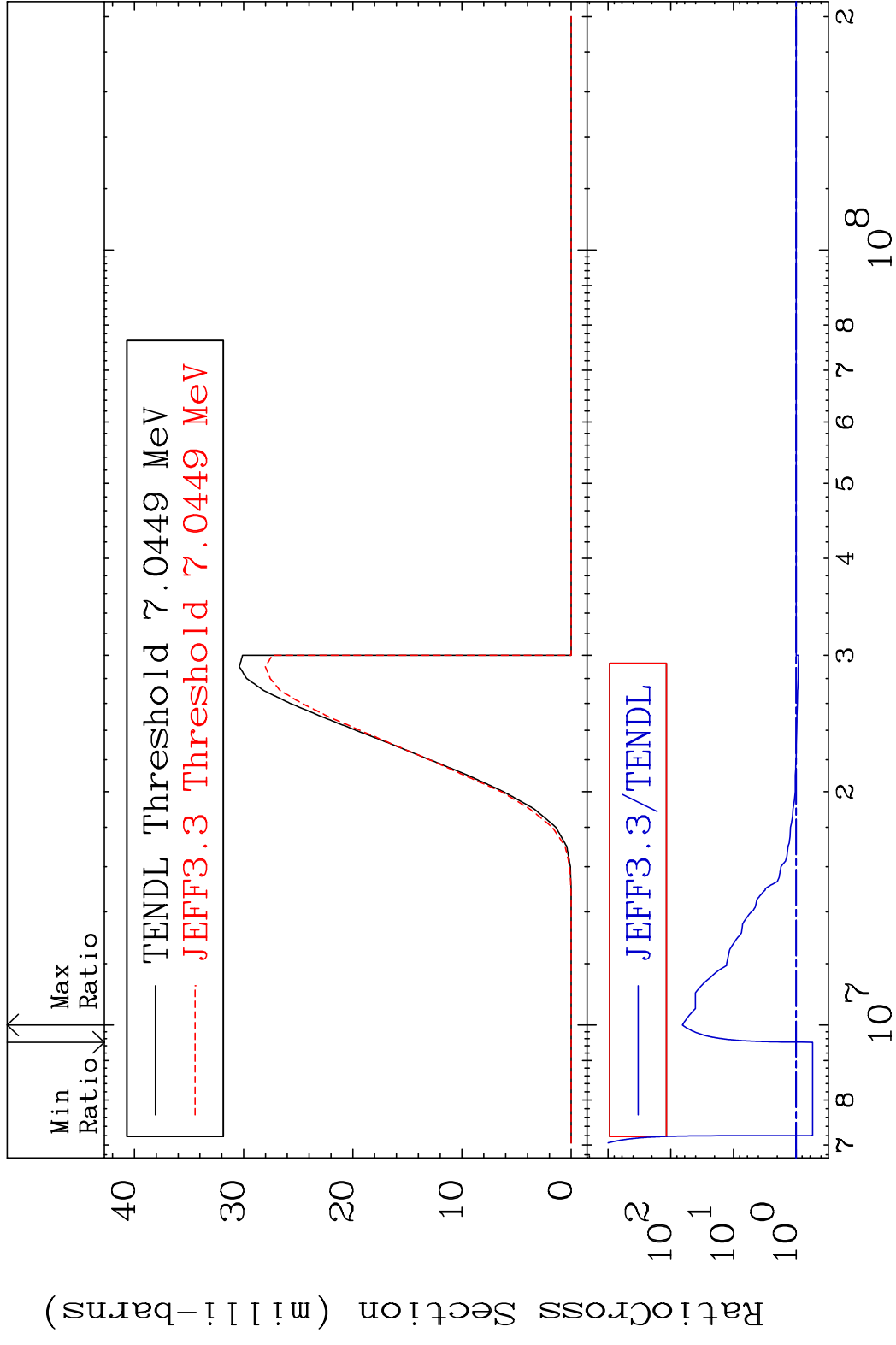
81 Incident Energy (eV) 39-Y -88

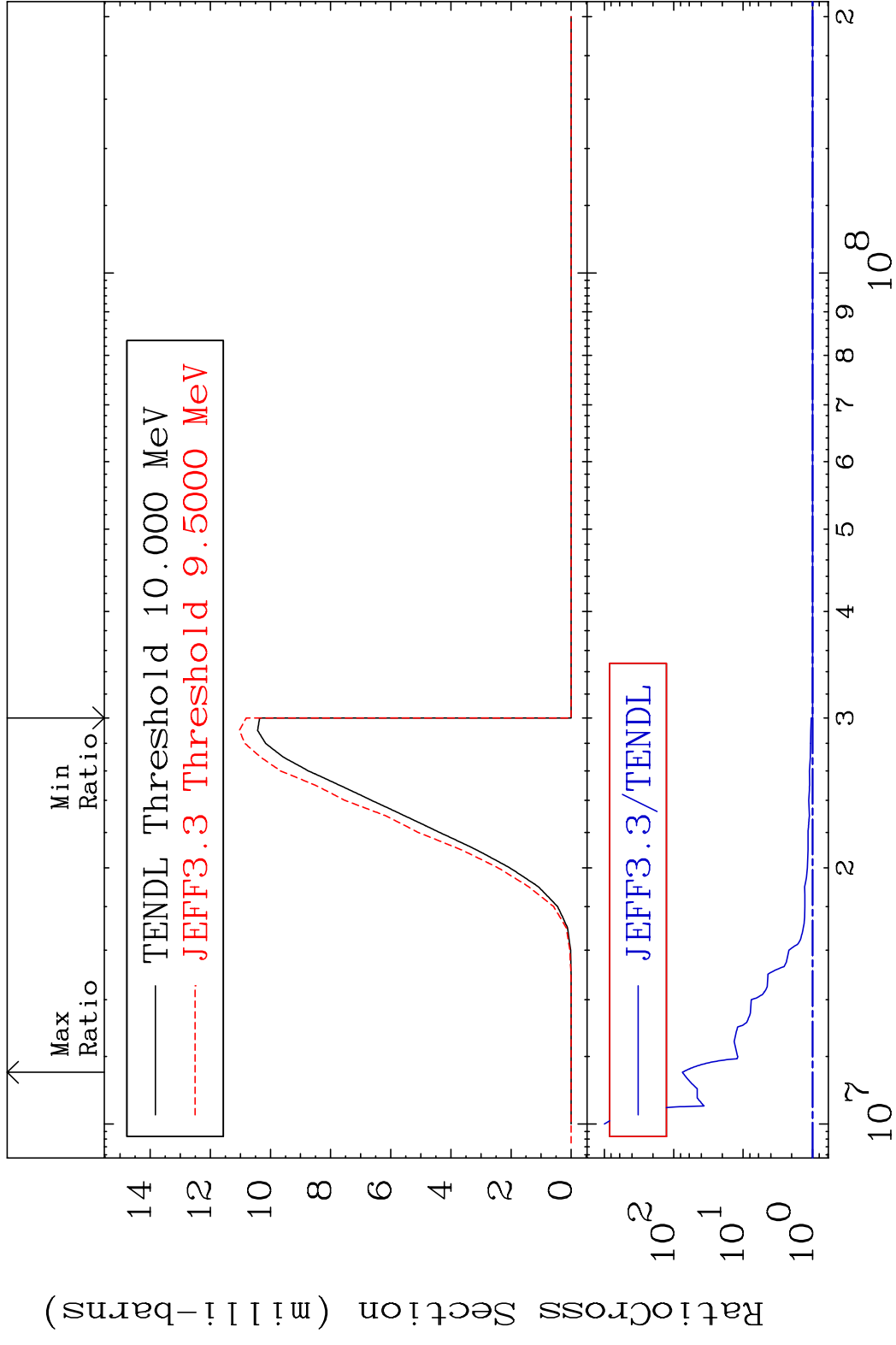
MAT 3922 (n,3n):39-Y -86g 39-Y -88  
 Radionuclide Production Cross Section 595.2 %

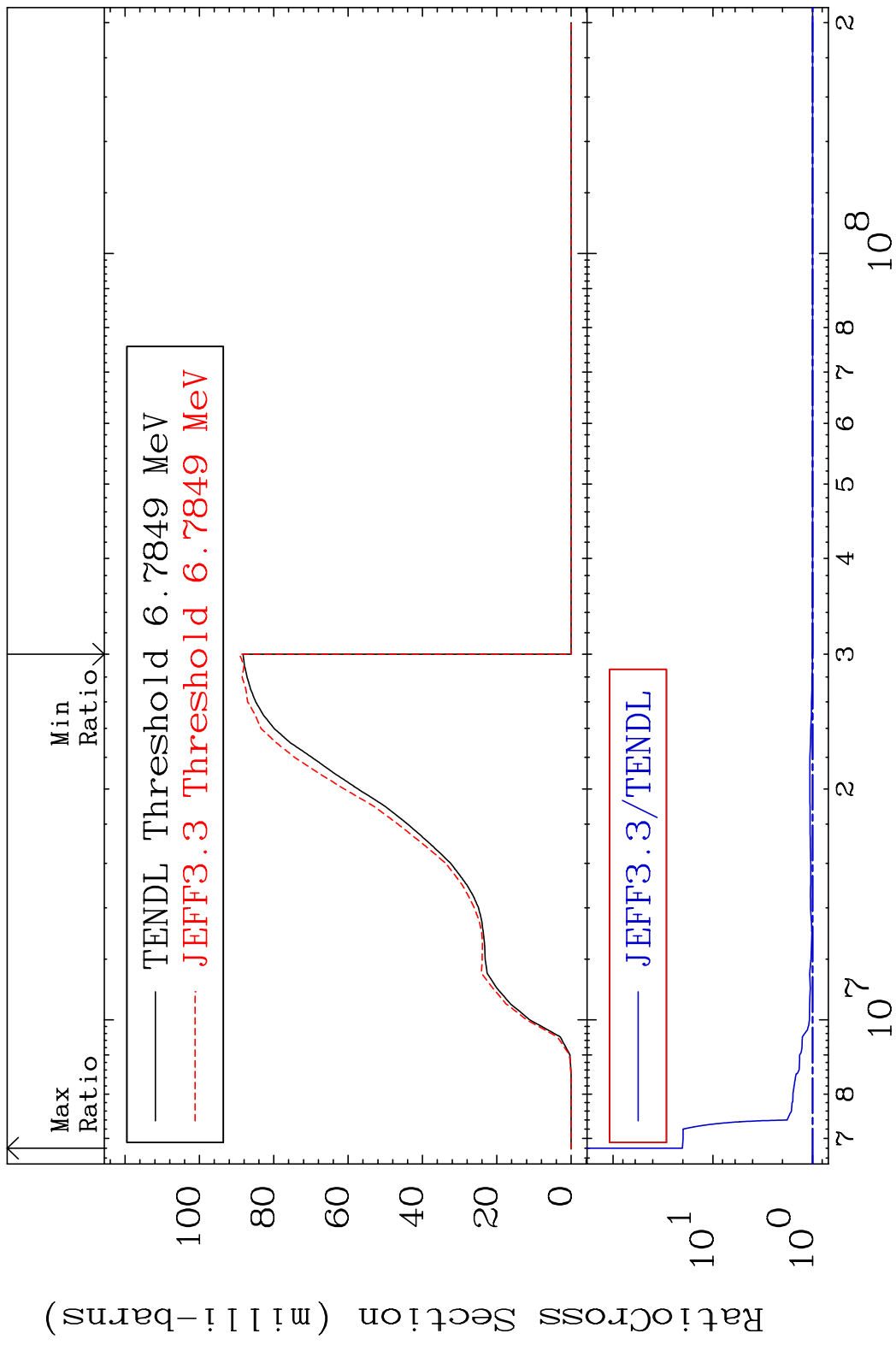


MAT 3922 (n,3n):39-Y -86m2 39-Y -88  
 Radionuclide Production Cross Section 661.0 %

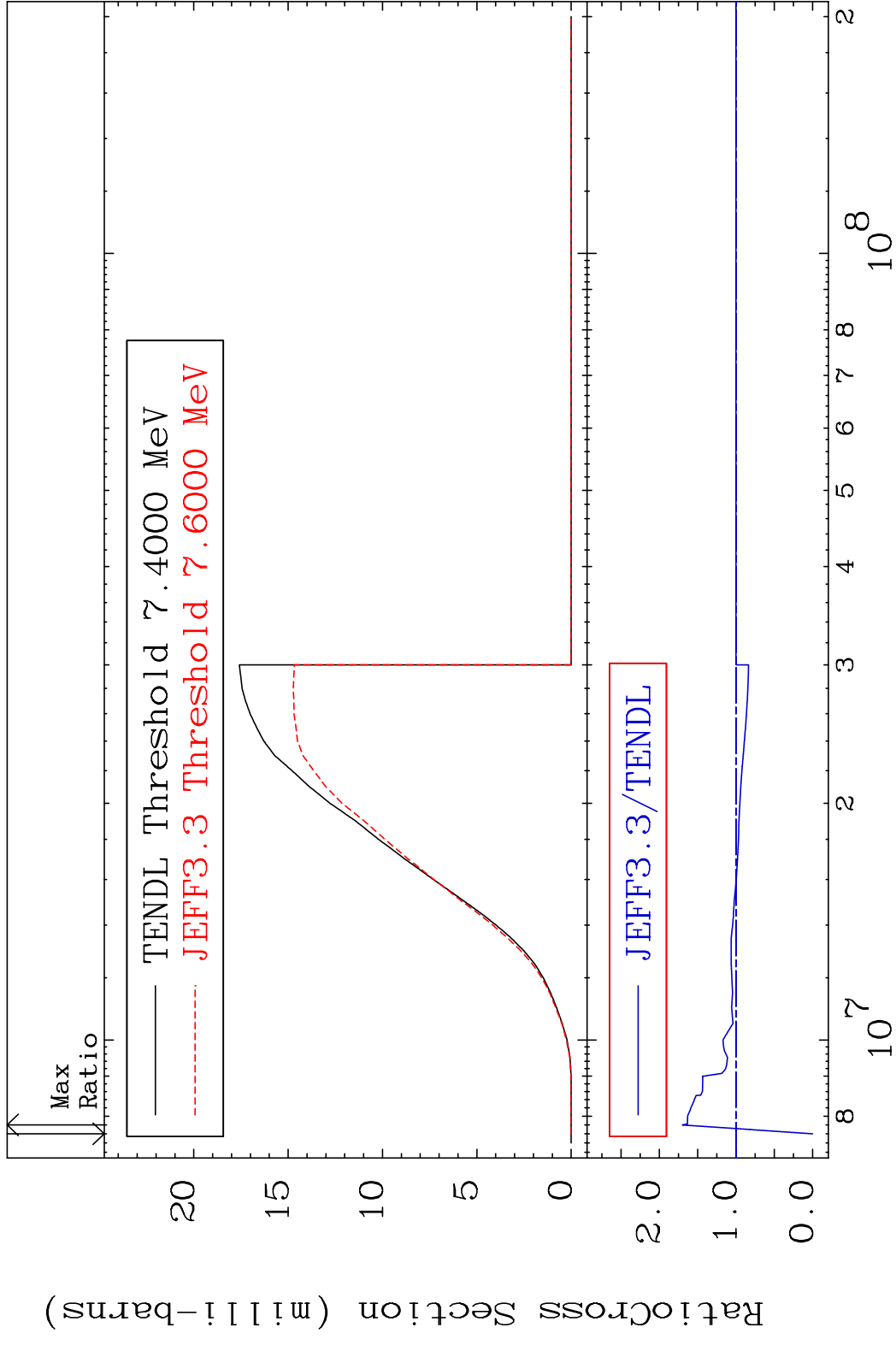




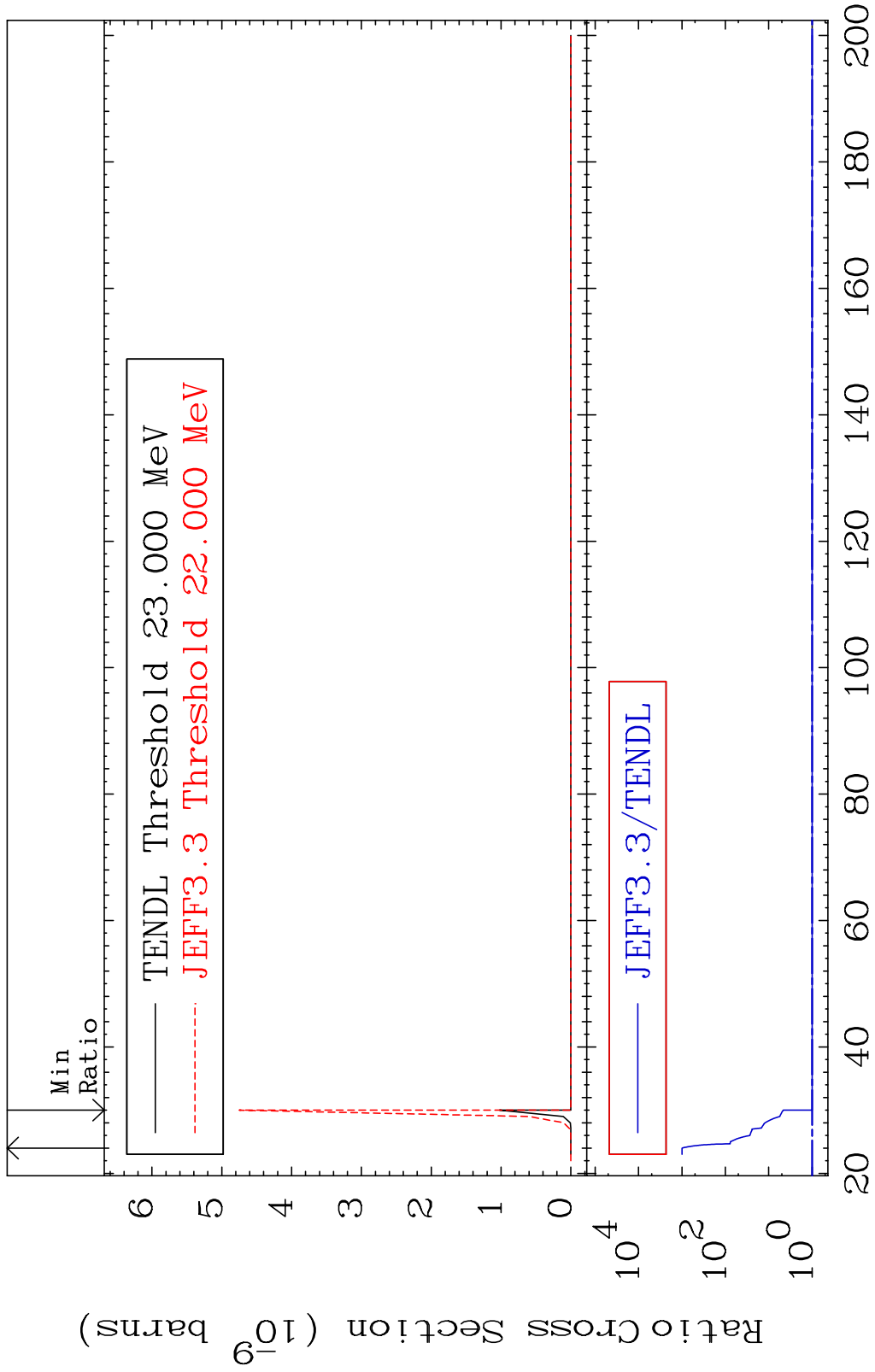


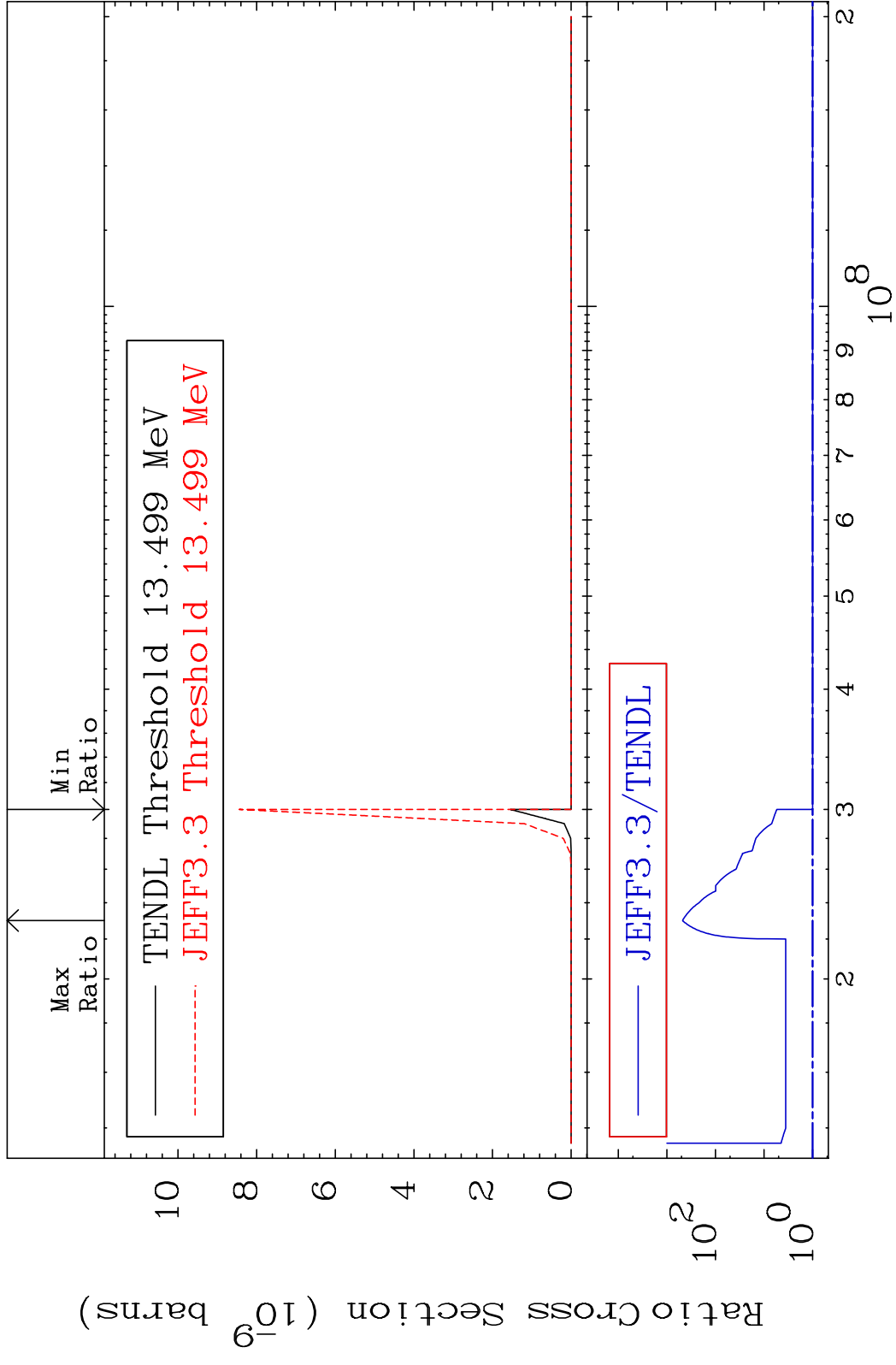


MAT 3922 (n, n') p:38-Sr-87m1 39-Y -88  
 Radionuclide Production Cross Section 180.01 dth 69.93 %

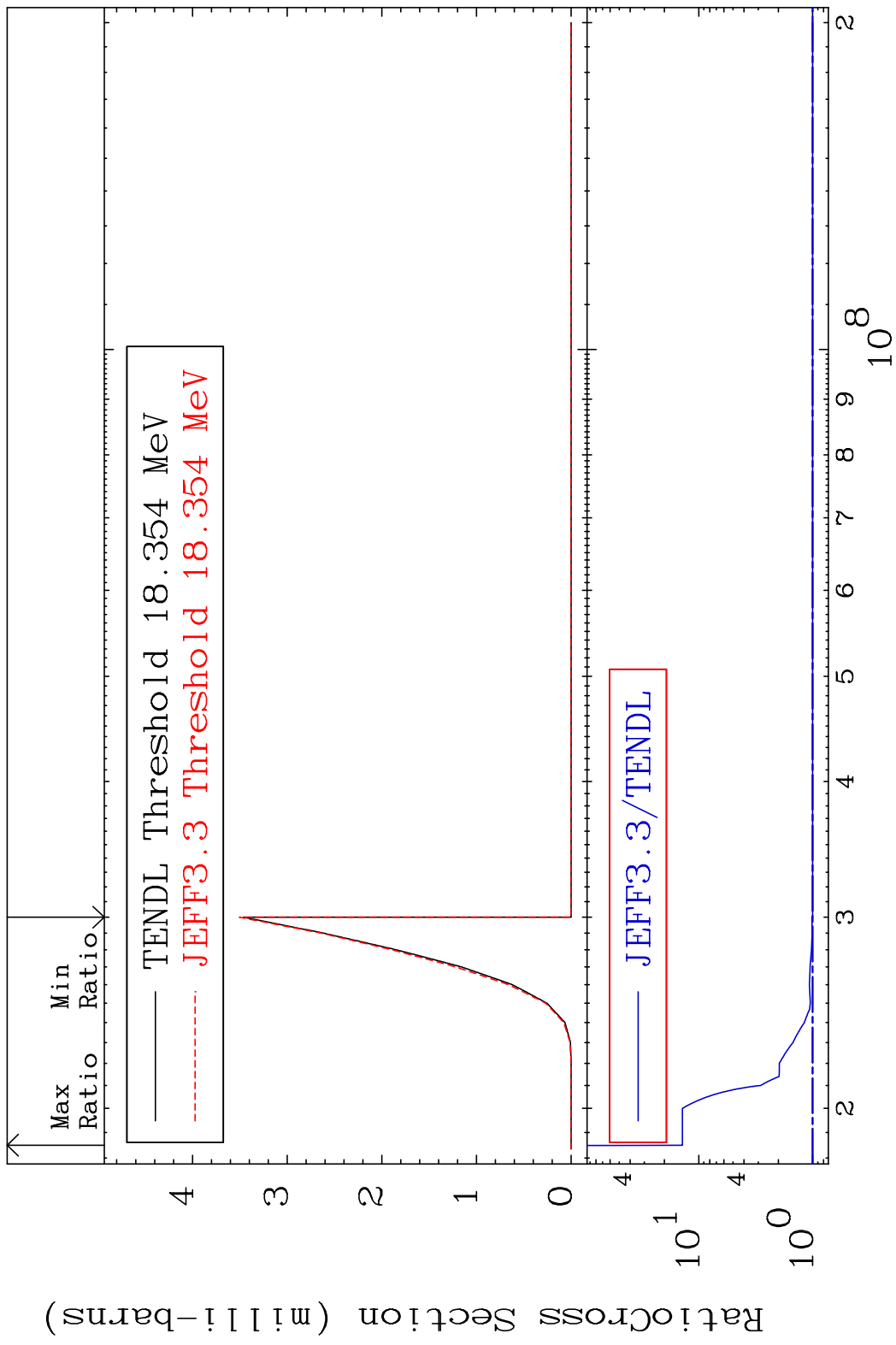




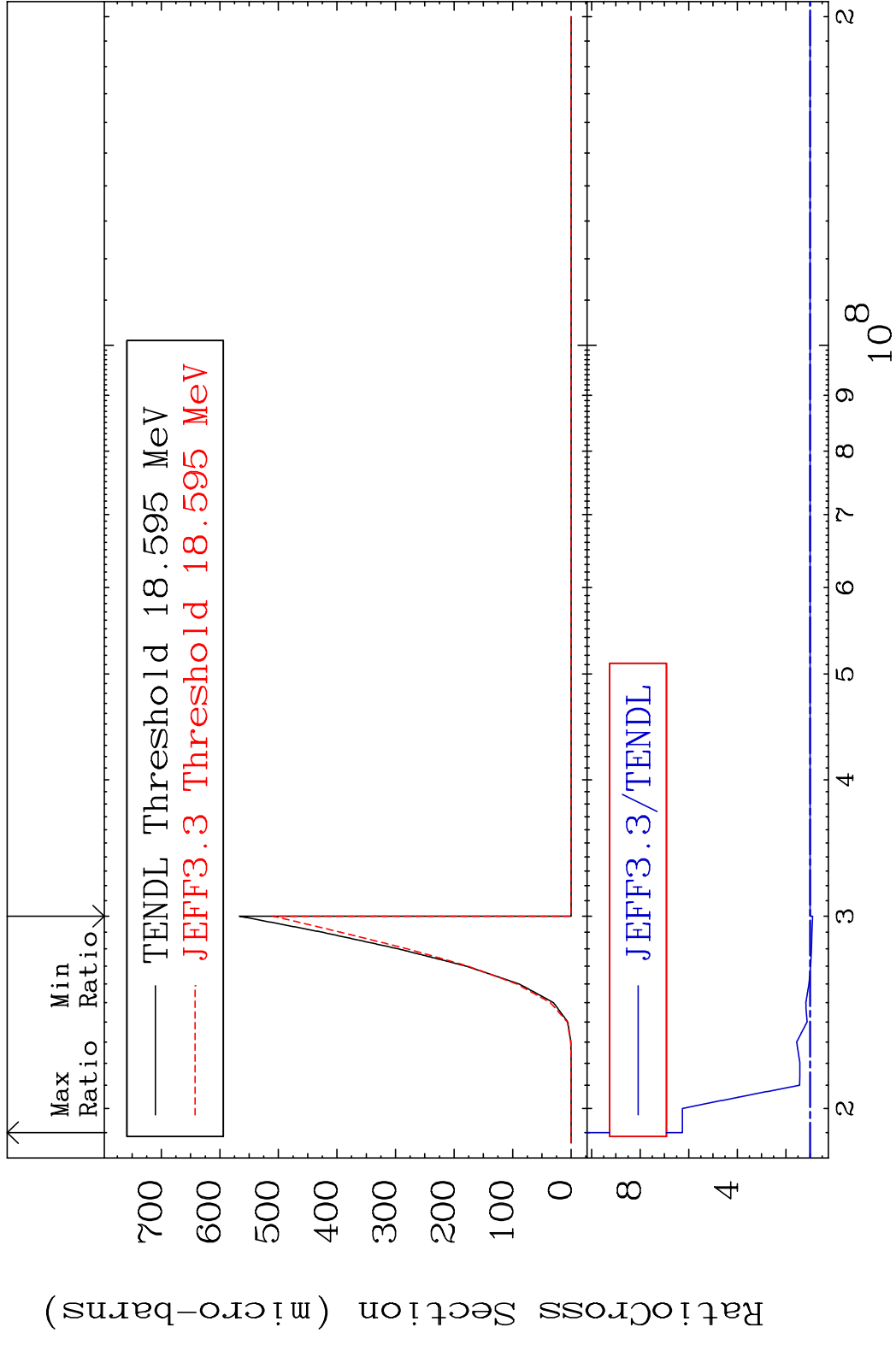


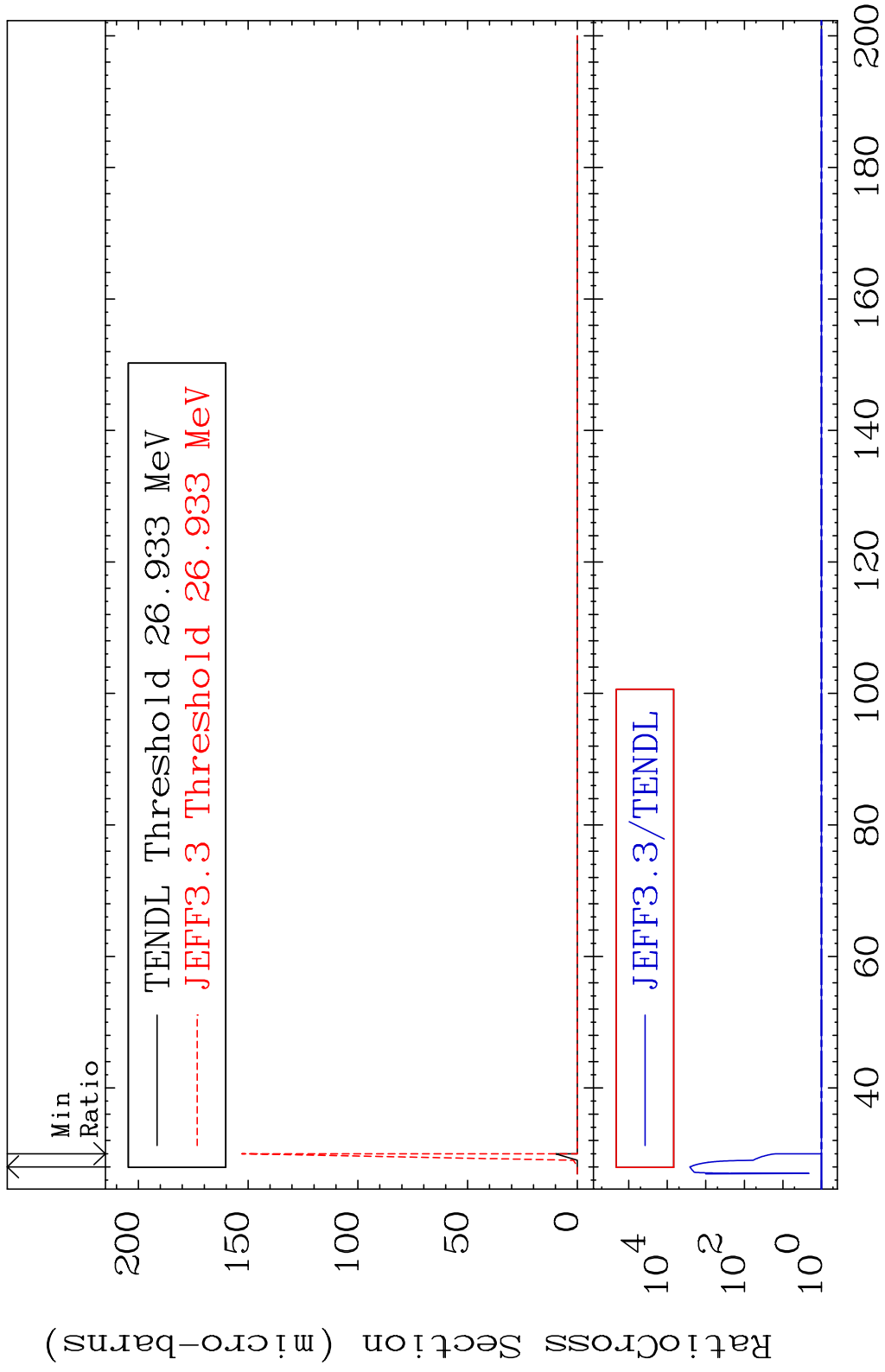


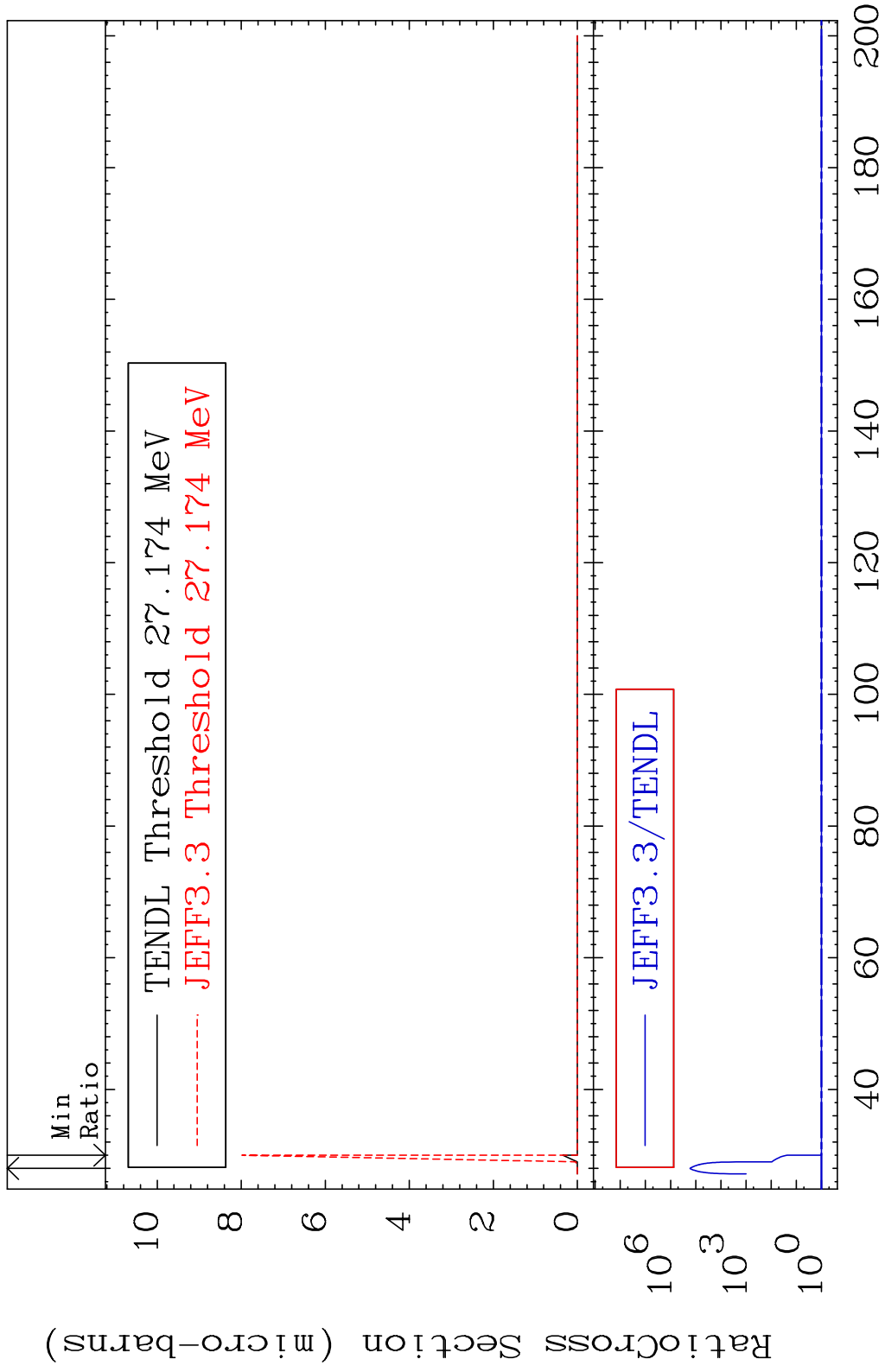
MAT 3922 (n, n') t:38-Sr-85g 39-Y -88  
 Radionuclide Production Cross Section 1292. %

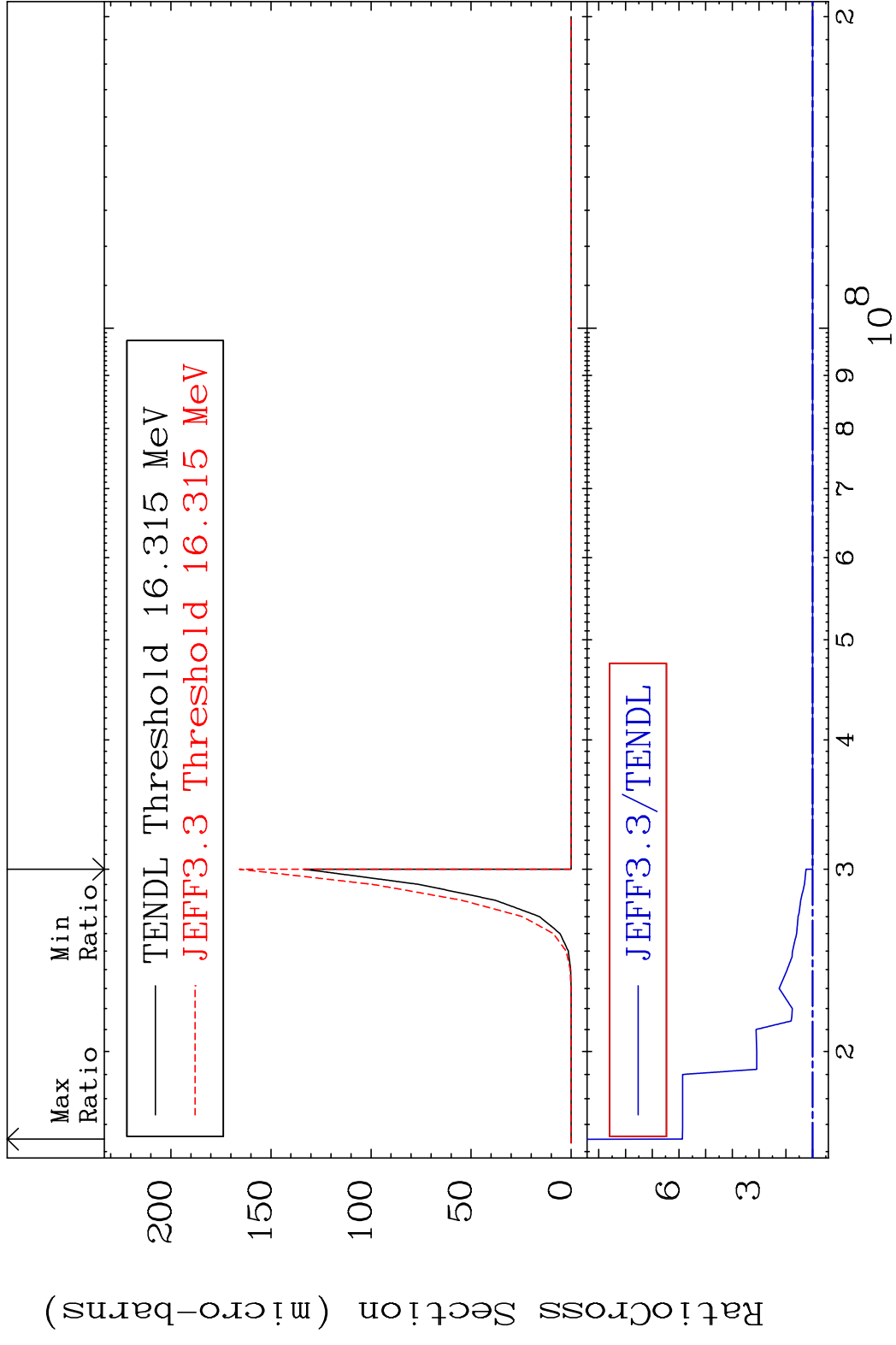


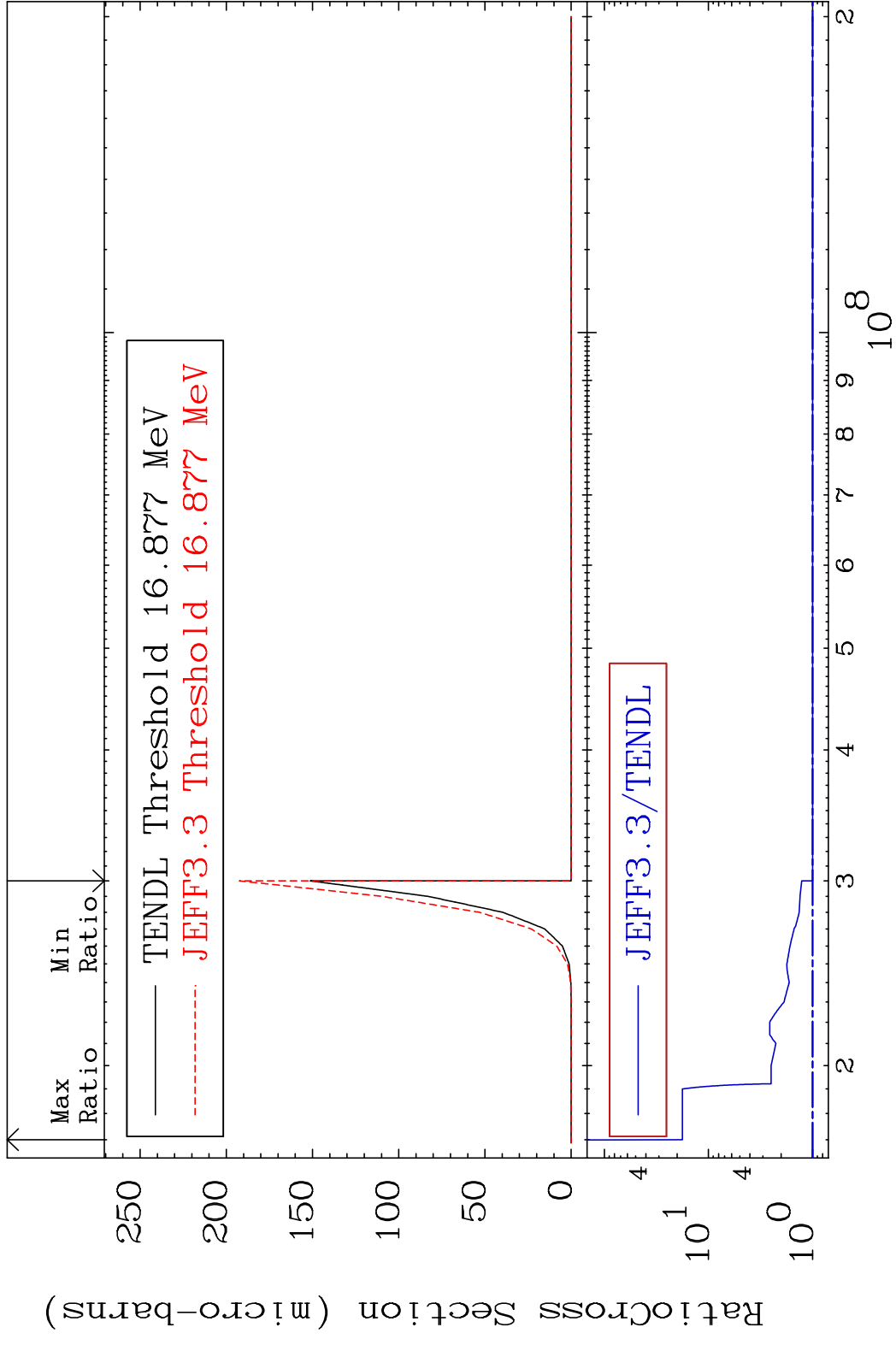
MAT 3922 (n, n') t:38-Sr-85m2 39-Y -88  
 Radionuclide Production Cross Section 18.595 MeV 526.2 %



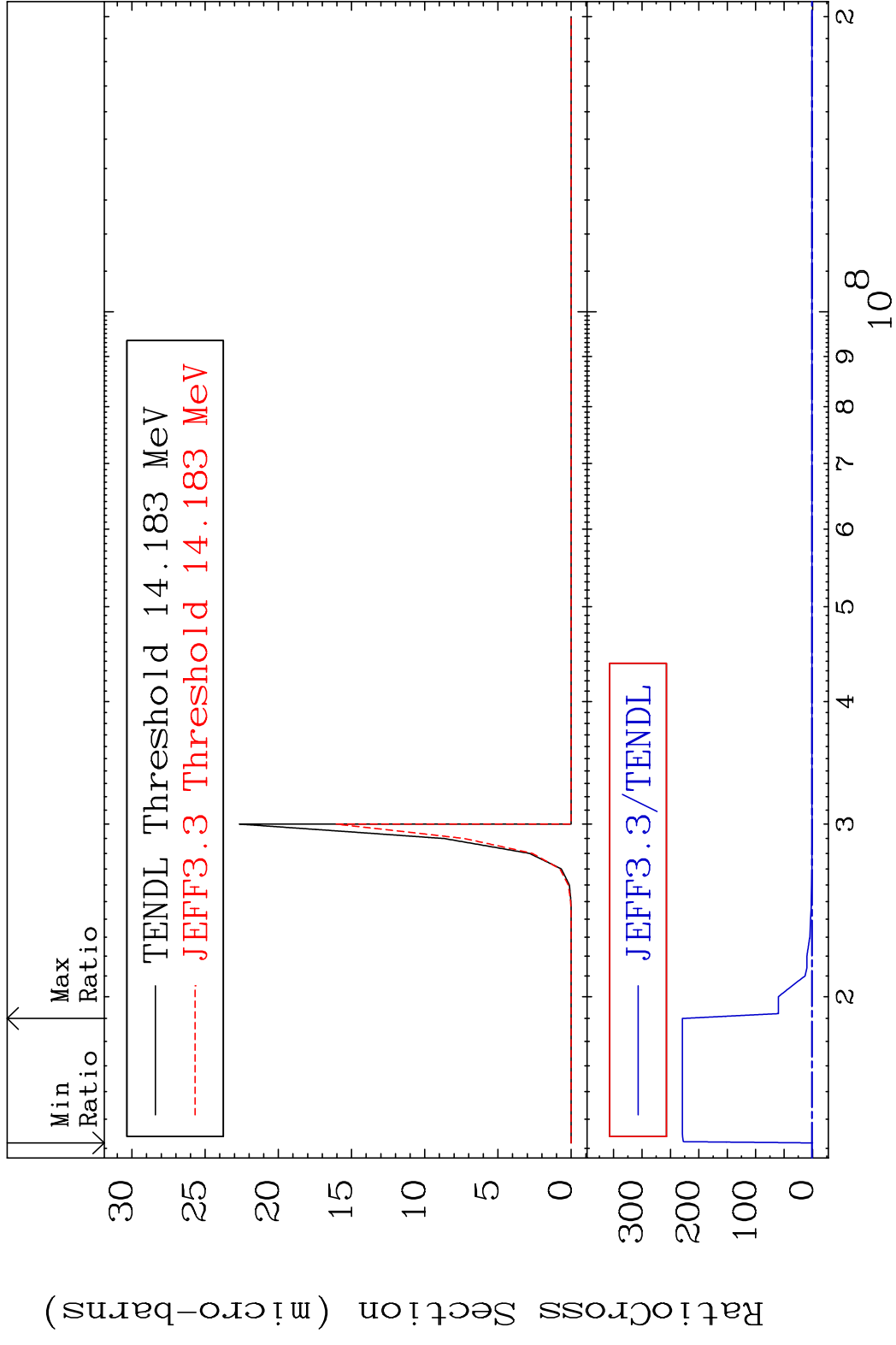


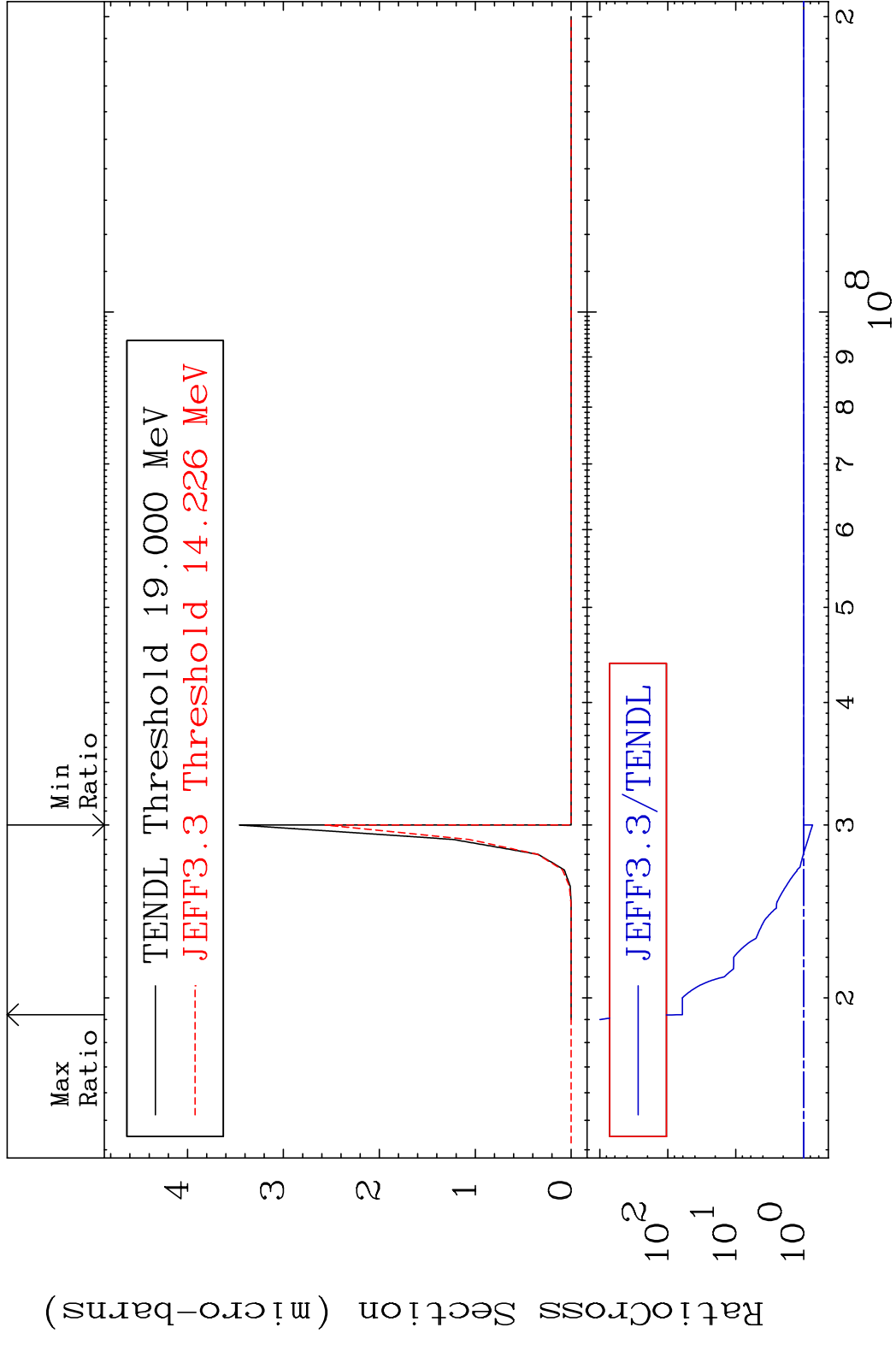


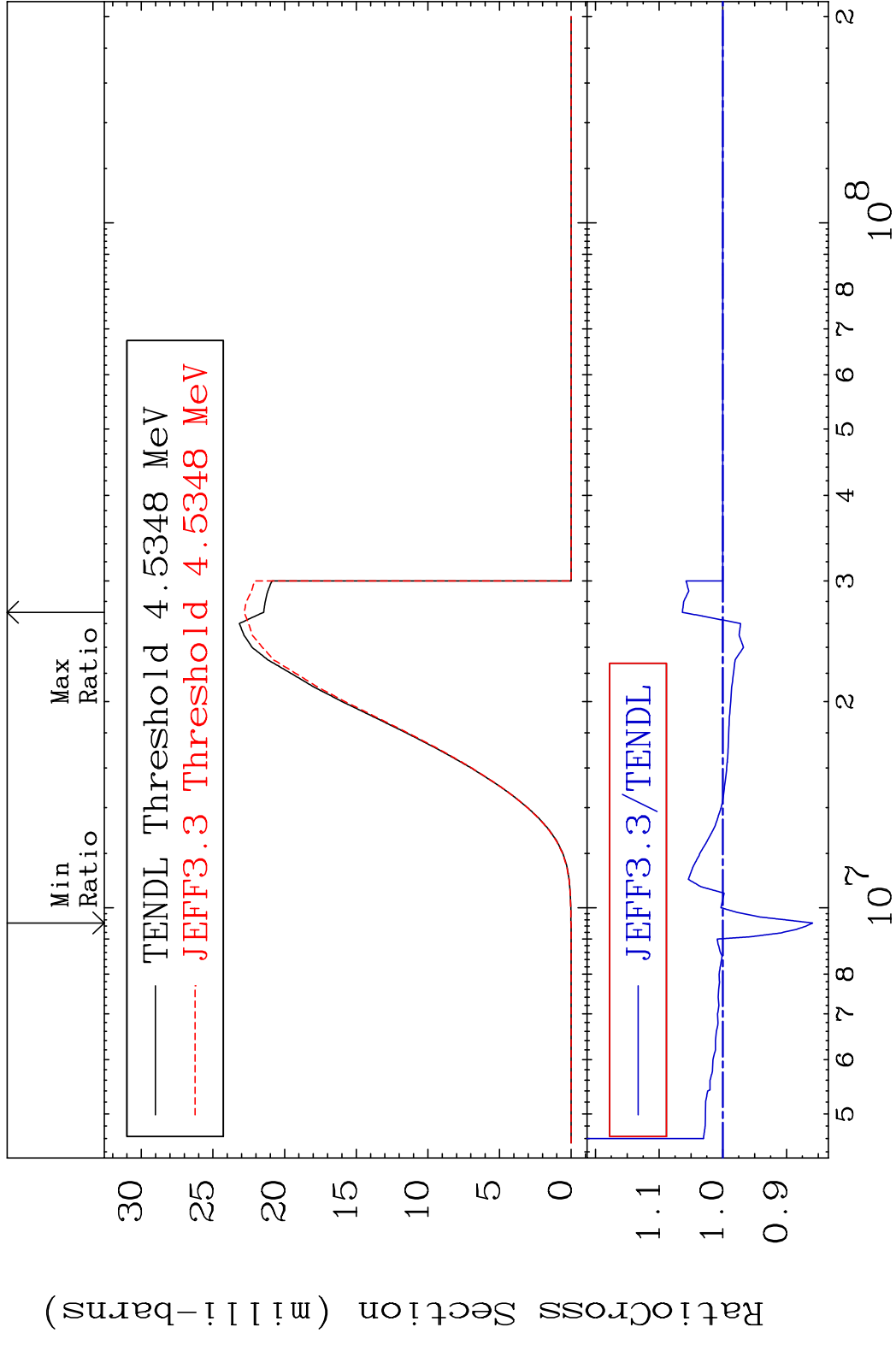




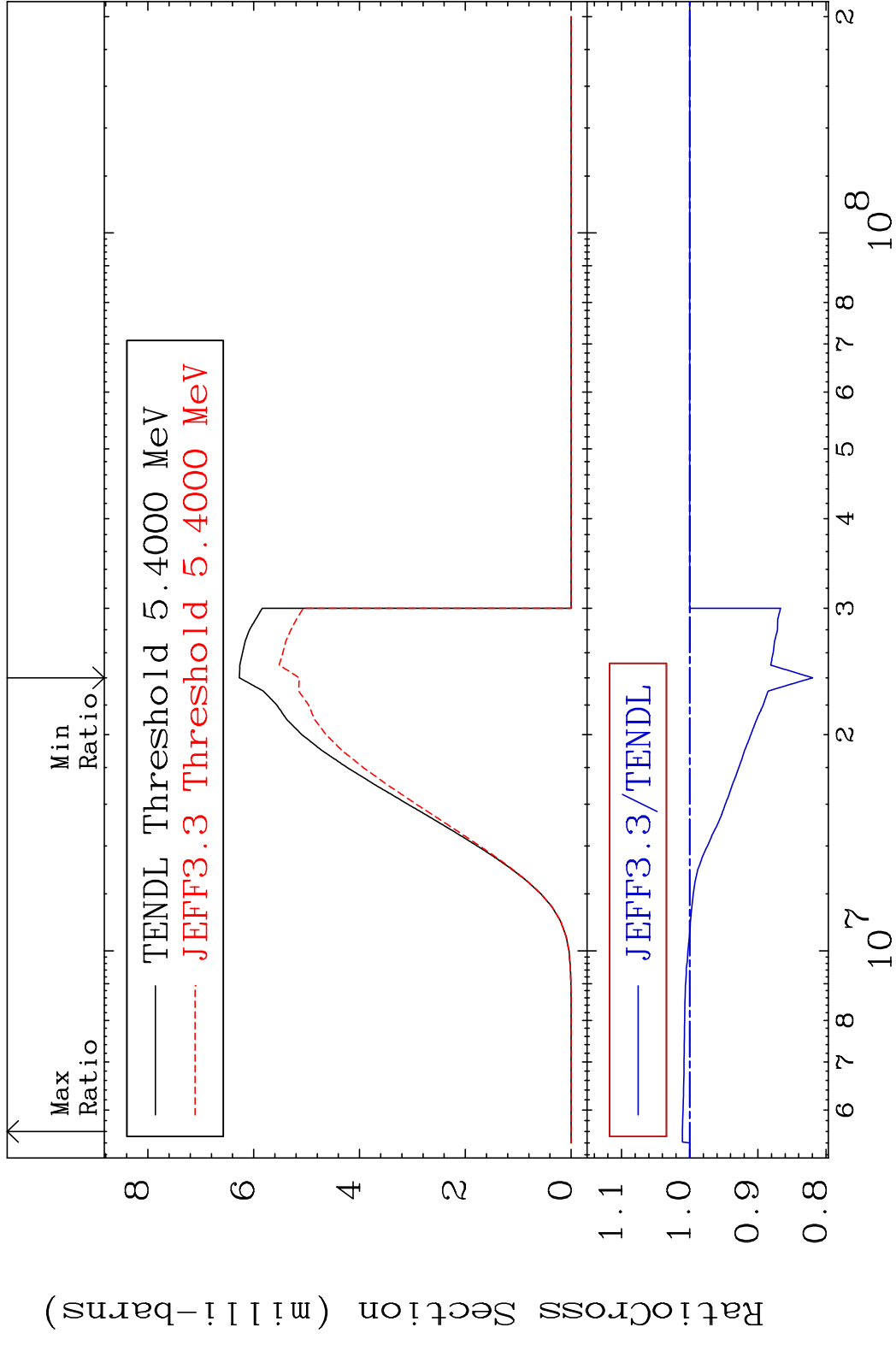




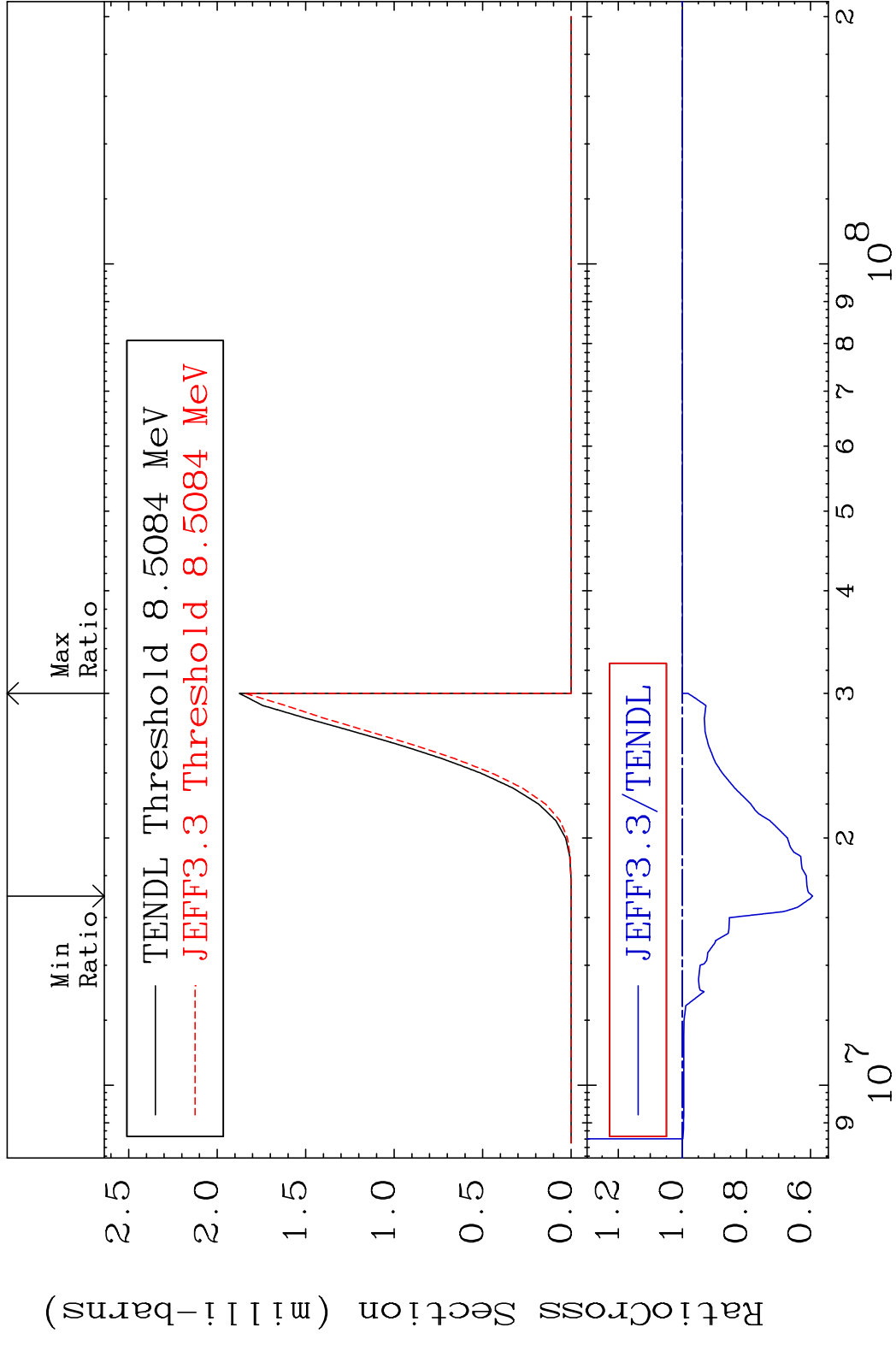




MAT 3922 (n,d):38-Sr-87m1 39-Y -88  
 Radionuclide Production Cross Section 1.076 %



MAT 3922 (n, He-3):37-Rb-86g 39-Y -88  
 Radionuclide Production Cross Section 0.000 %



100 Incident Energy (eV) 39-Y -88

