

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

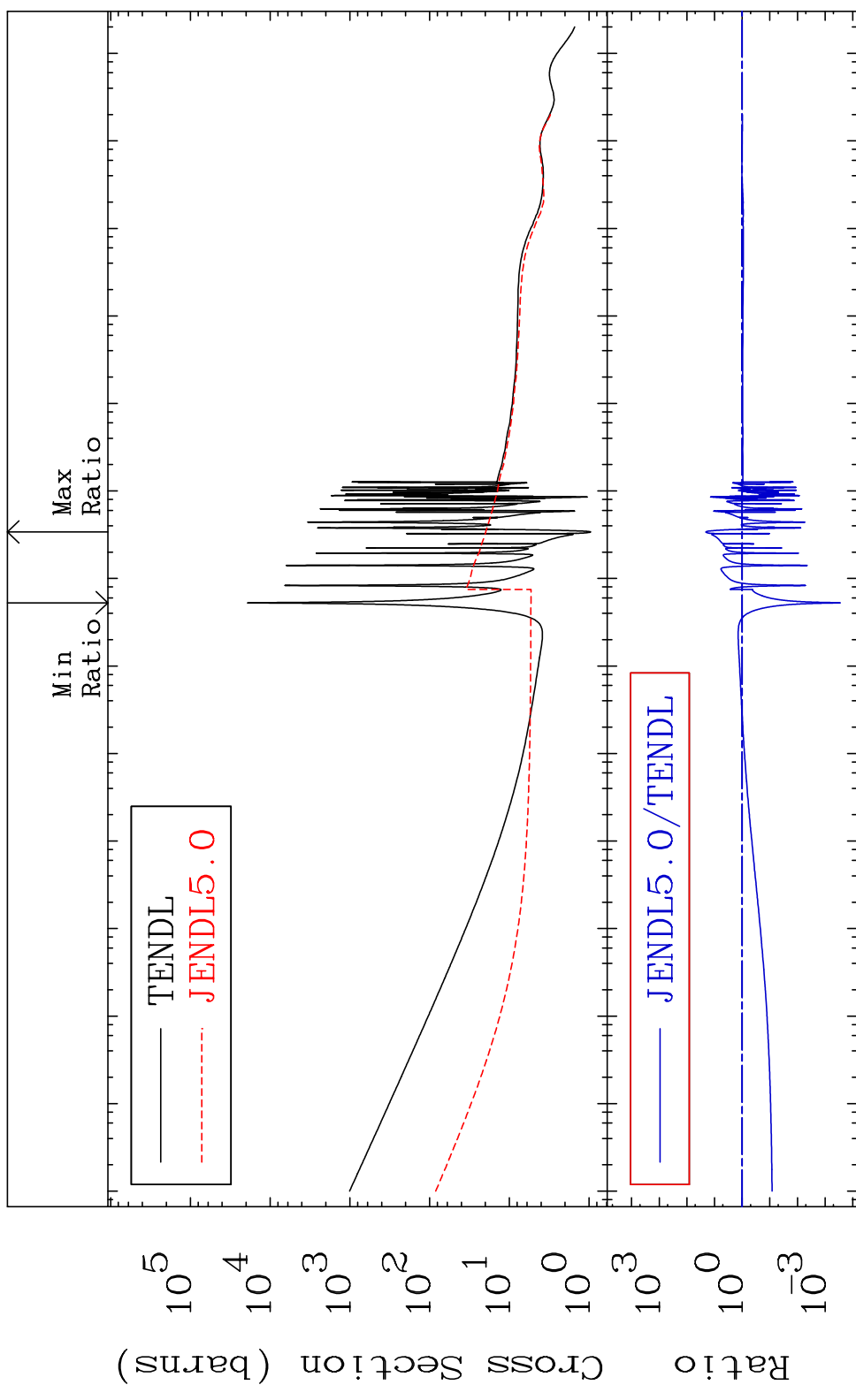
MAT 3728

Total

37-Rb-86

Cross Section

-99.97 To 1977. %



1

Incident Energy (eV)

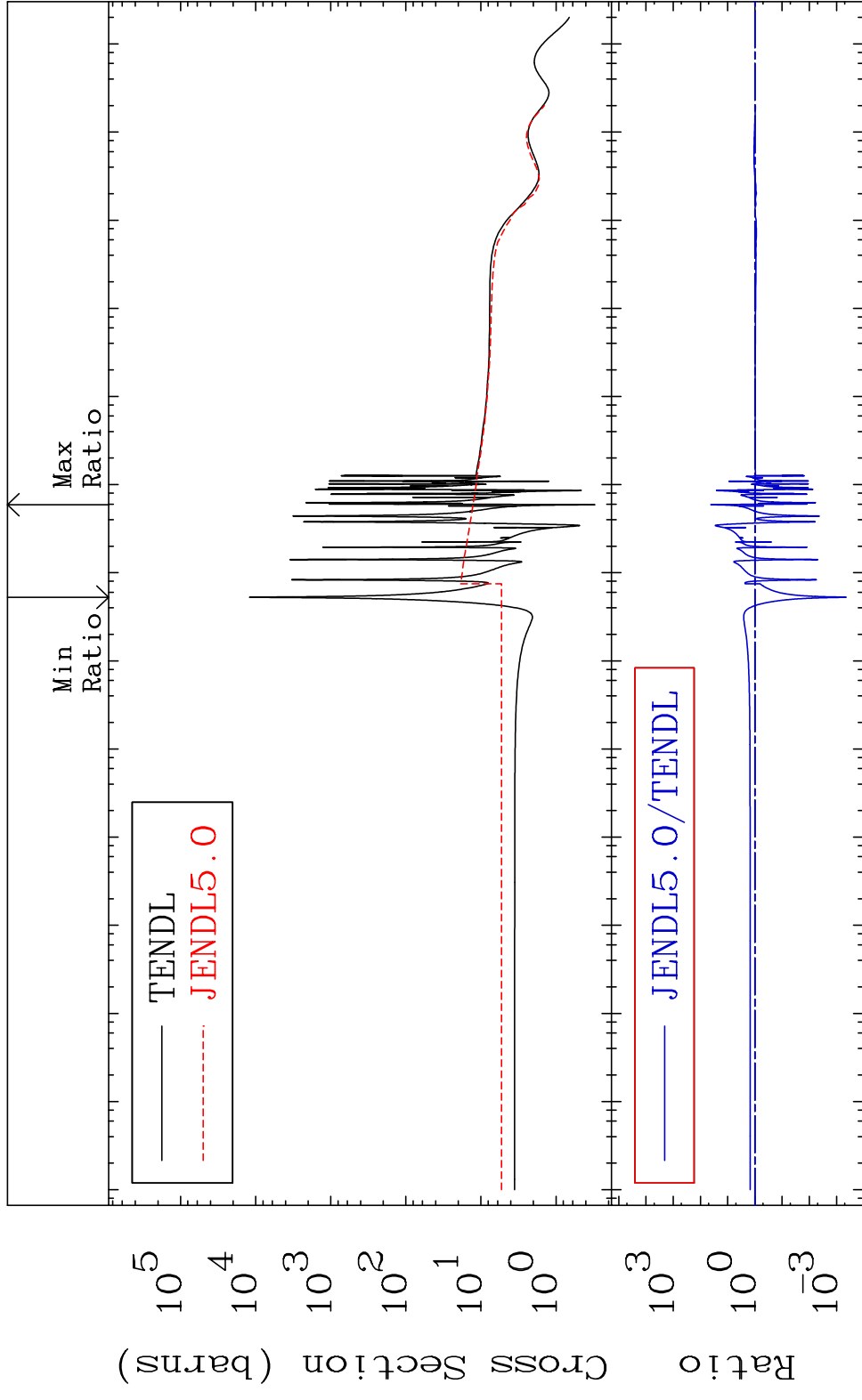
37-Rb-86

MAT 3728

Elastic

37-Rb-86

Cross Section -99.96 To 4095. %



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>8</sup> 10<sup>7</sup> 10<sup>6</sup> 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>

2

Incident Energy (eV)

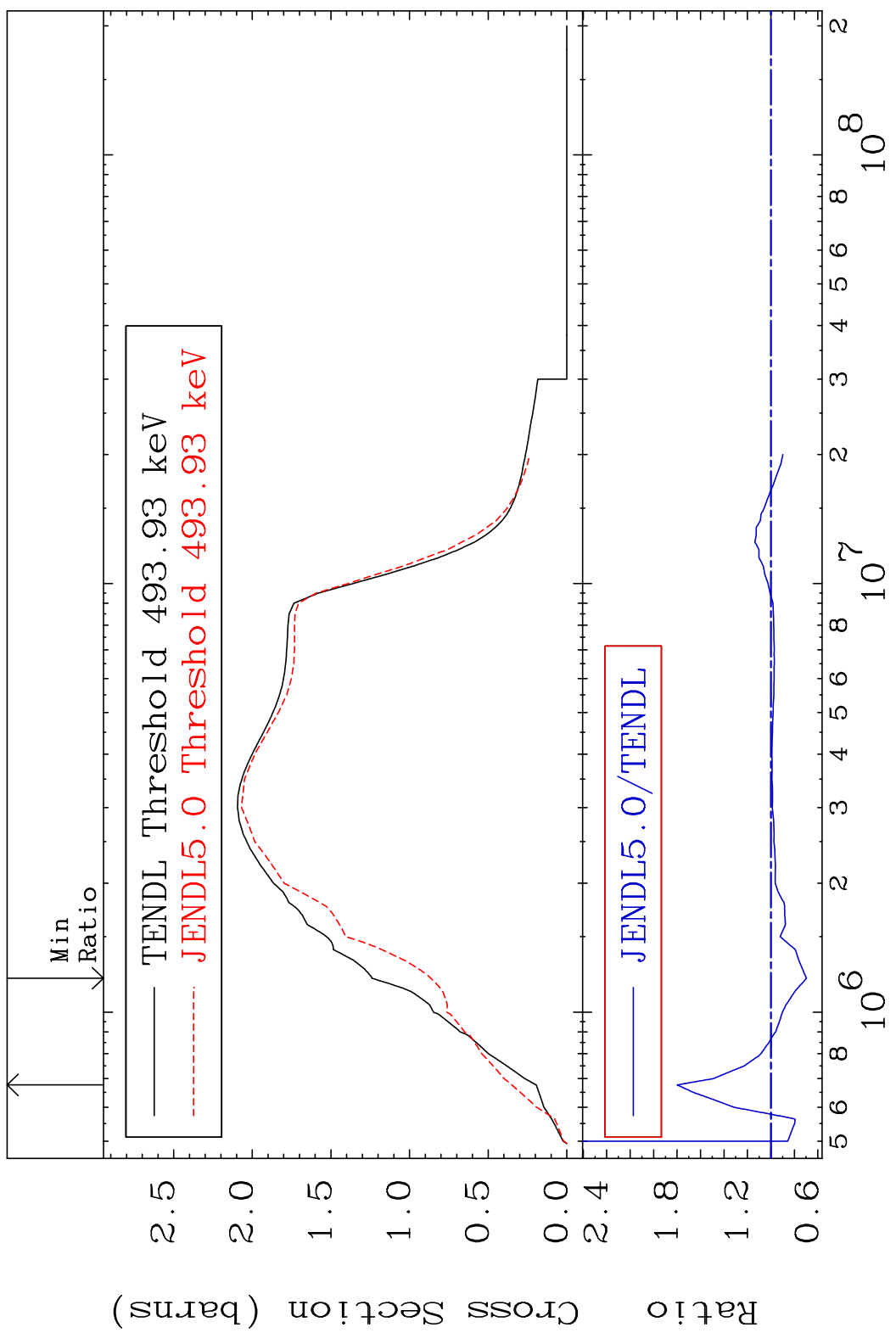
37-Rb-86

MAT 3728

Inelastic

37-Rb-86

Cross Section -30.27 To 79.90 %



3

Incident Energy (eV)

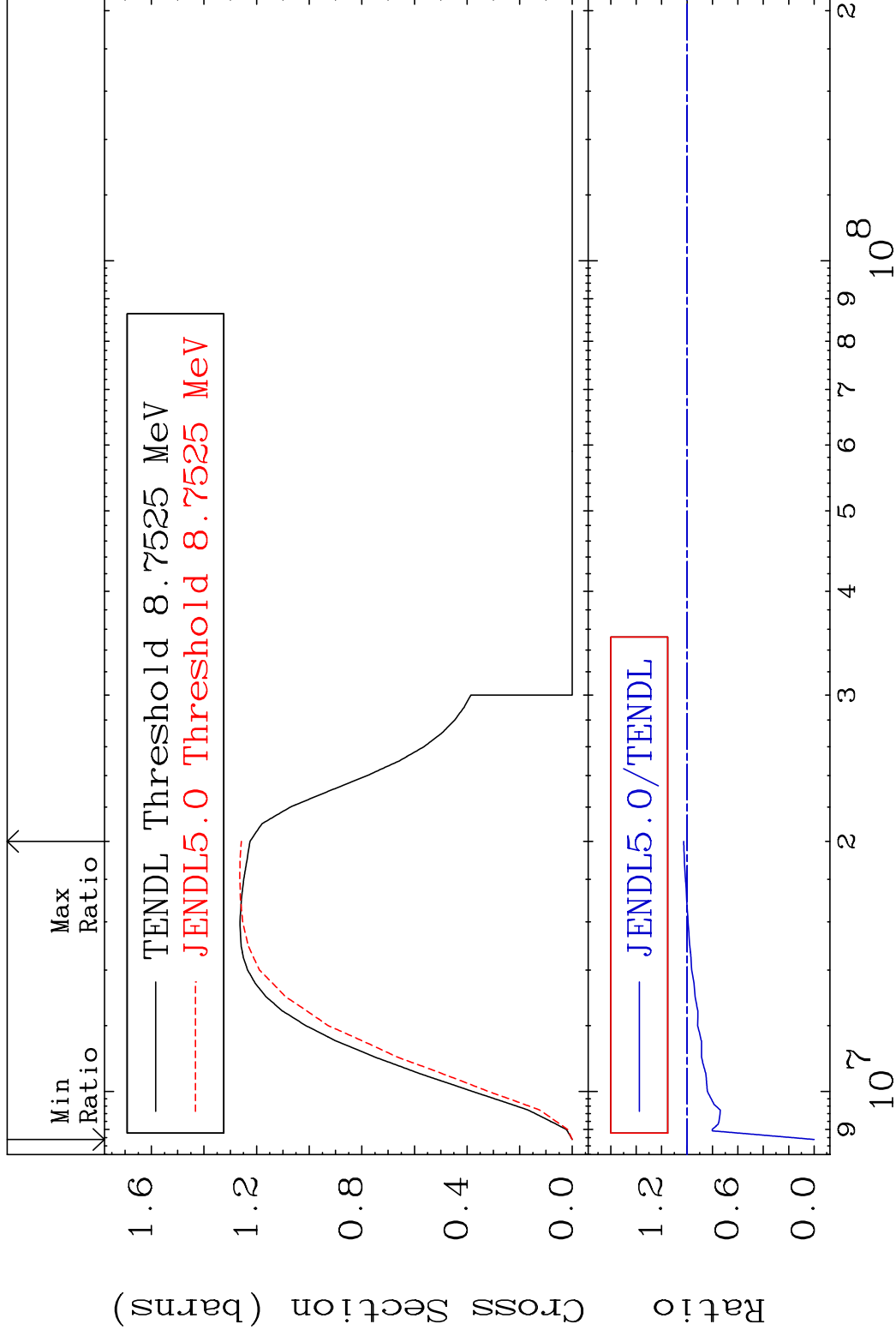
37-Rb-86

MAT 3728

(n,2n)

37-Rb-86

Cross Section -100.0 To 2.669 %

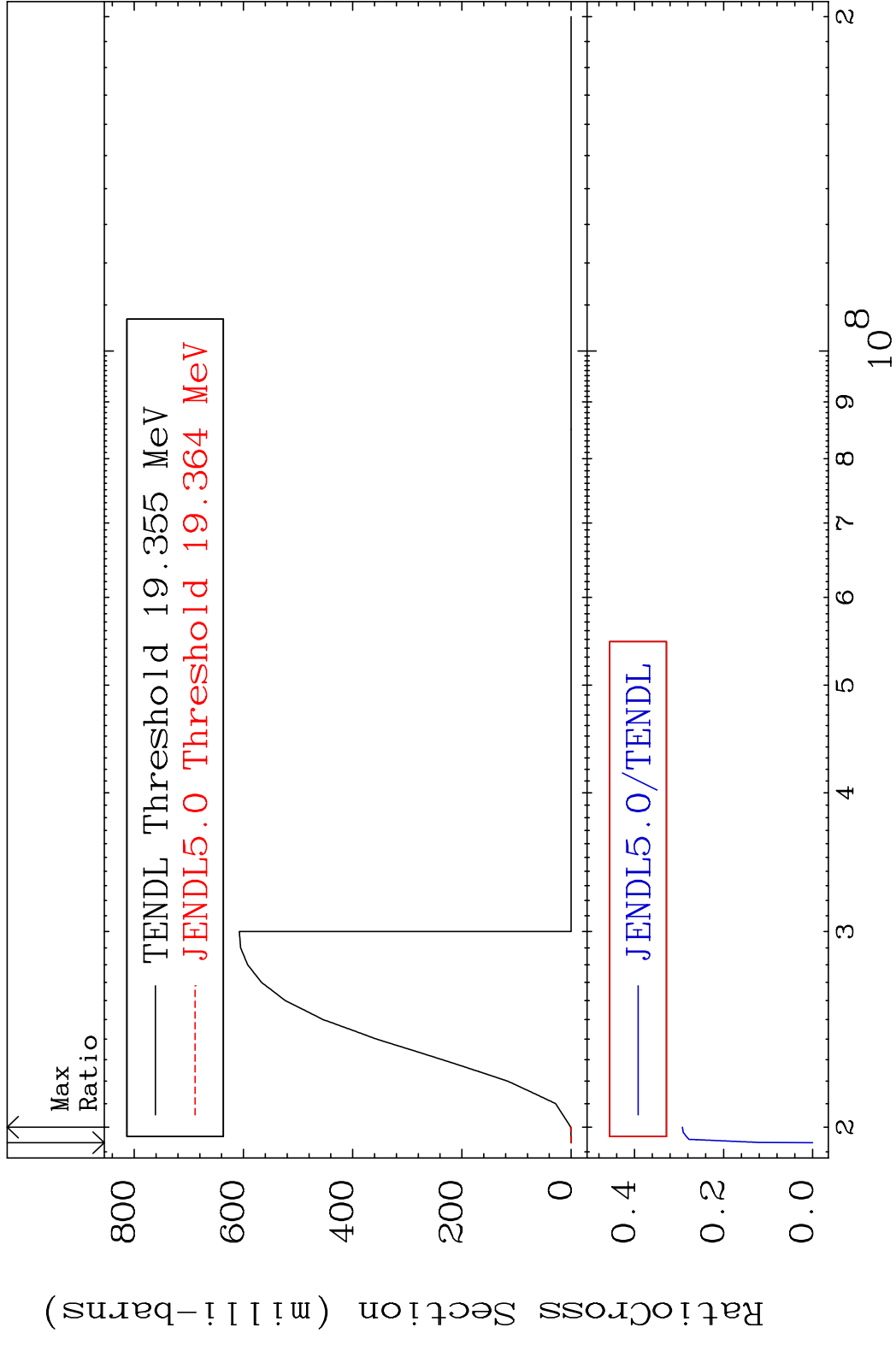


4

Incident Energy (eV)

37-Rb-86

MAT 3728 (n,3n) 37-Rb-86  
 Cross Section -100.0 To -70.74%

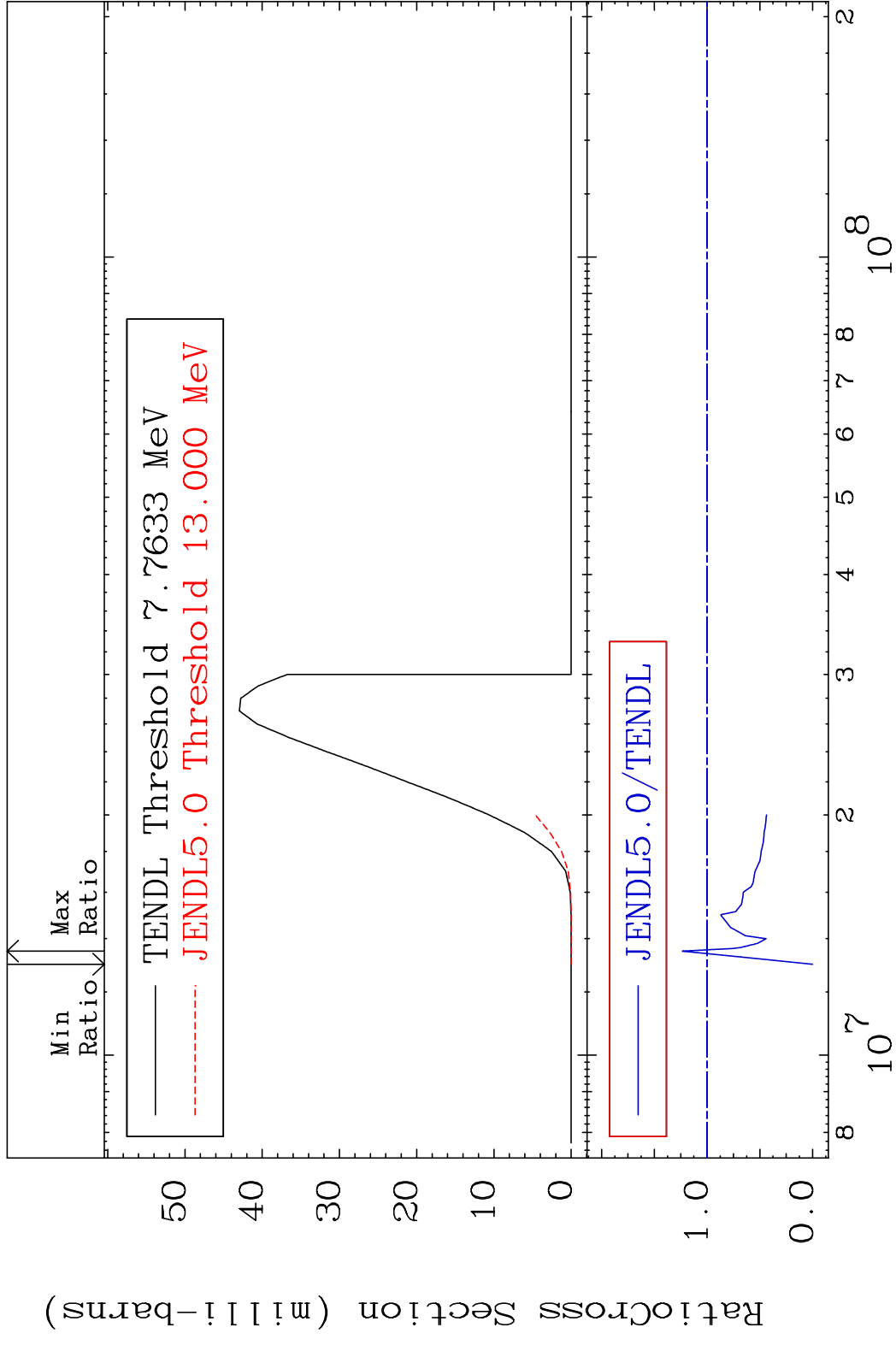


MAT 3728

(n, n')  $\alpha$

37-Rb-86

Cross Section -100.0 To 23.43 %



6

Incident Energy (eV)

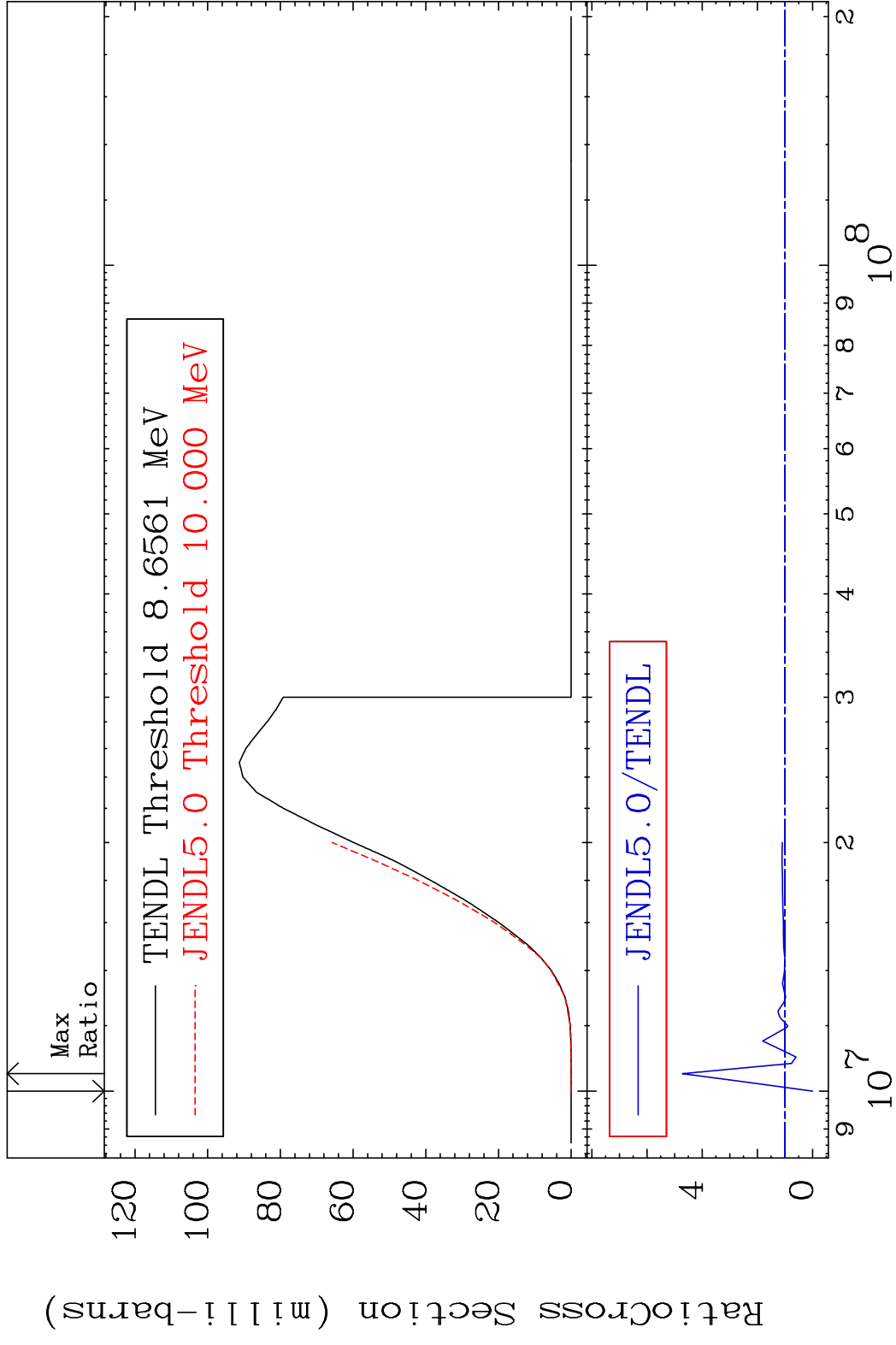
37-Rb-86

MAT 3728

(n, n') p

37-Rb-86

Cross Section -100.0 To 371.8 %



7

Incident Energy (eV)

37-Rb-86

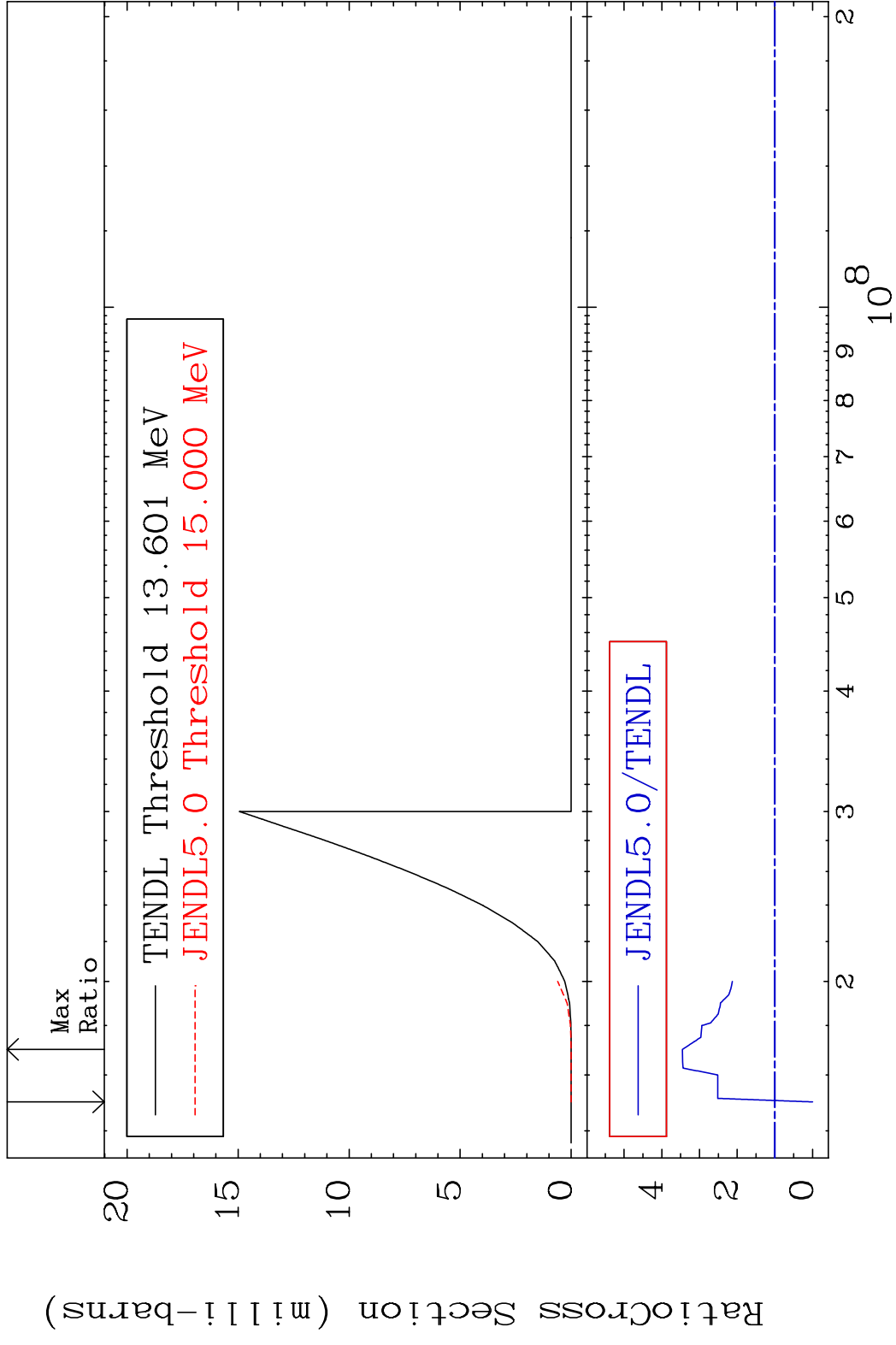


MAT 3728

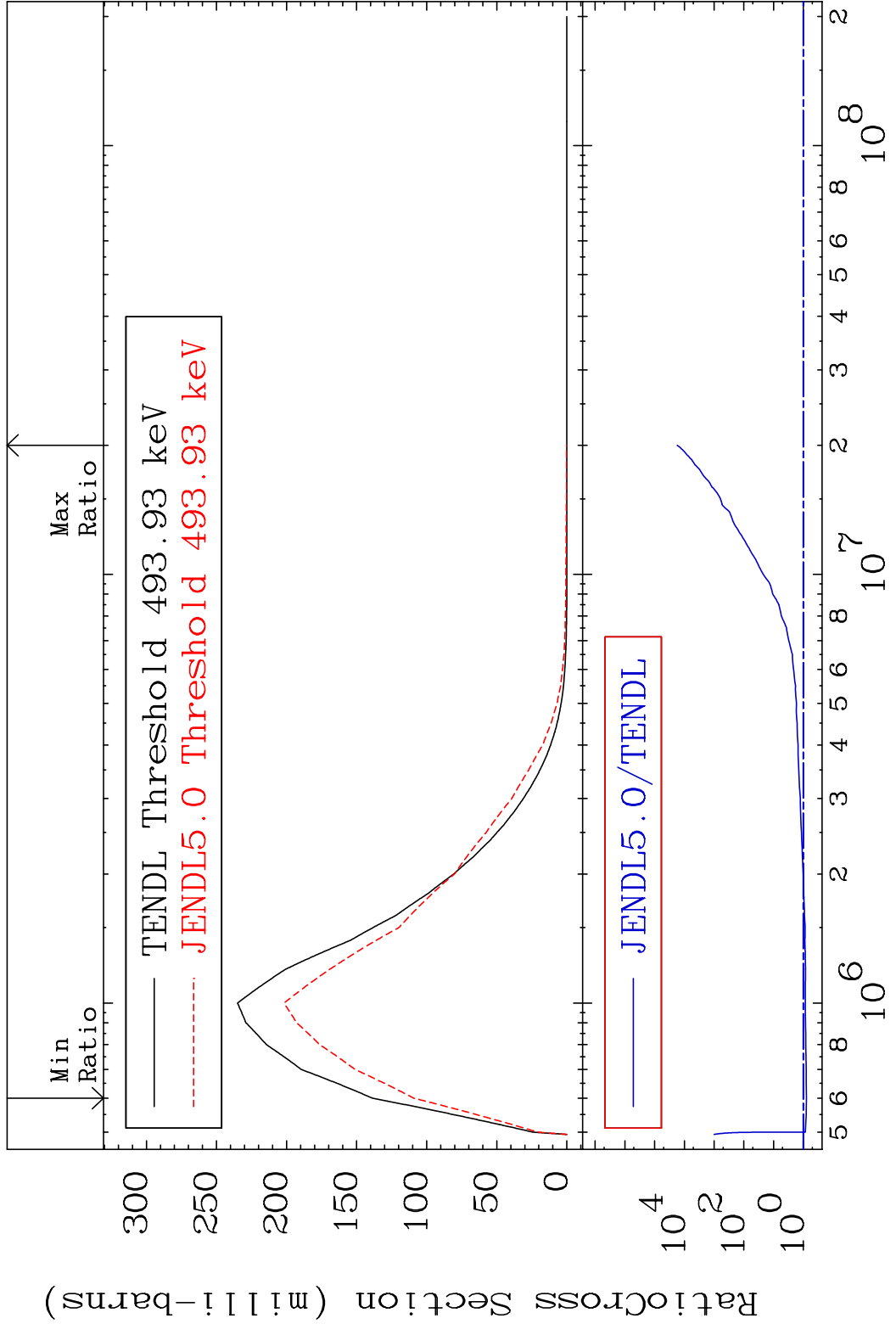
(n, n') d

37-Rb-86

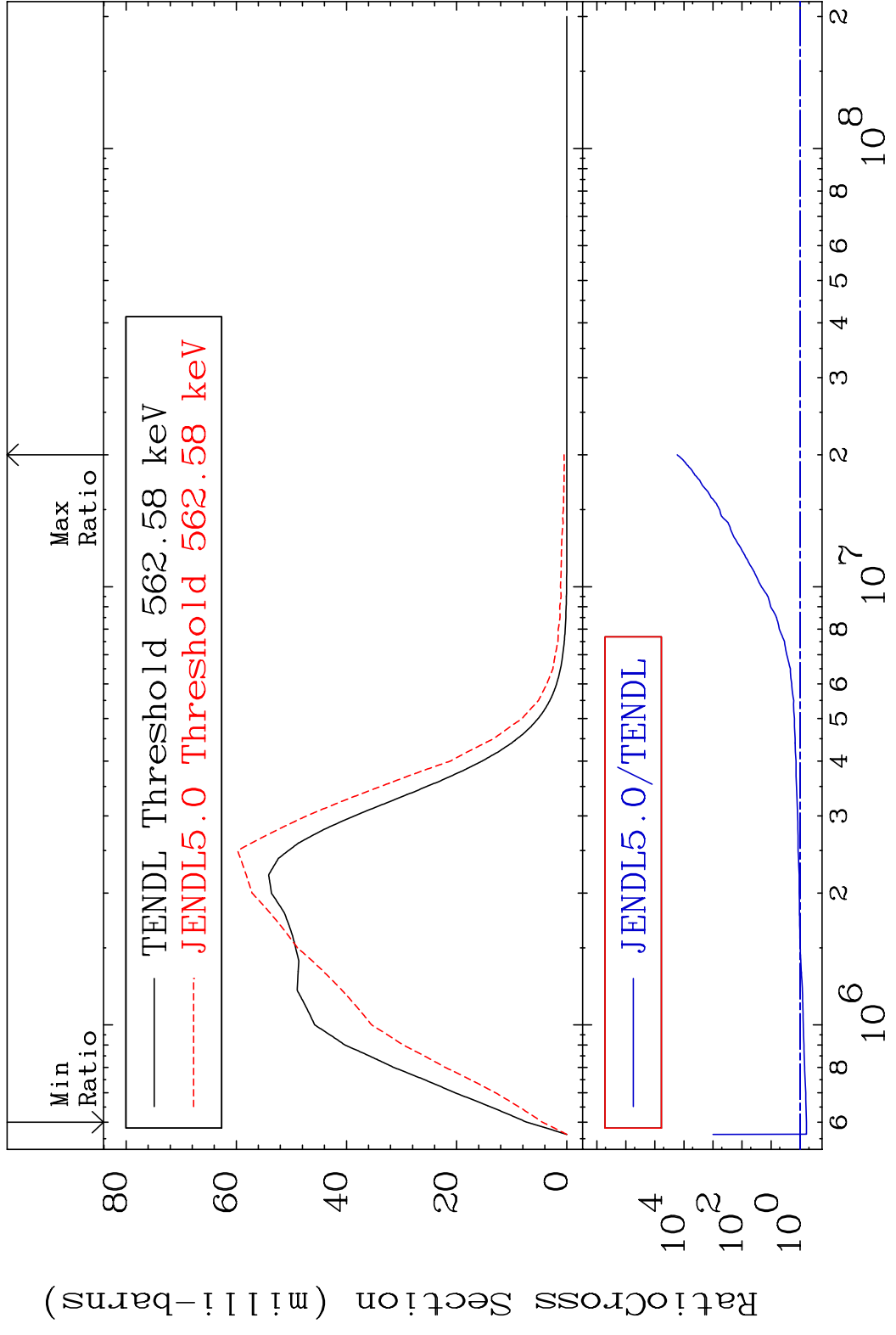
Cross Section -100.0 To 245.4 %



MAT 3728 MT= 51 (n, n') Level 37-Rb-86  
 Cross Section -21.25 To 9999. %

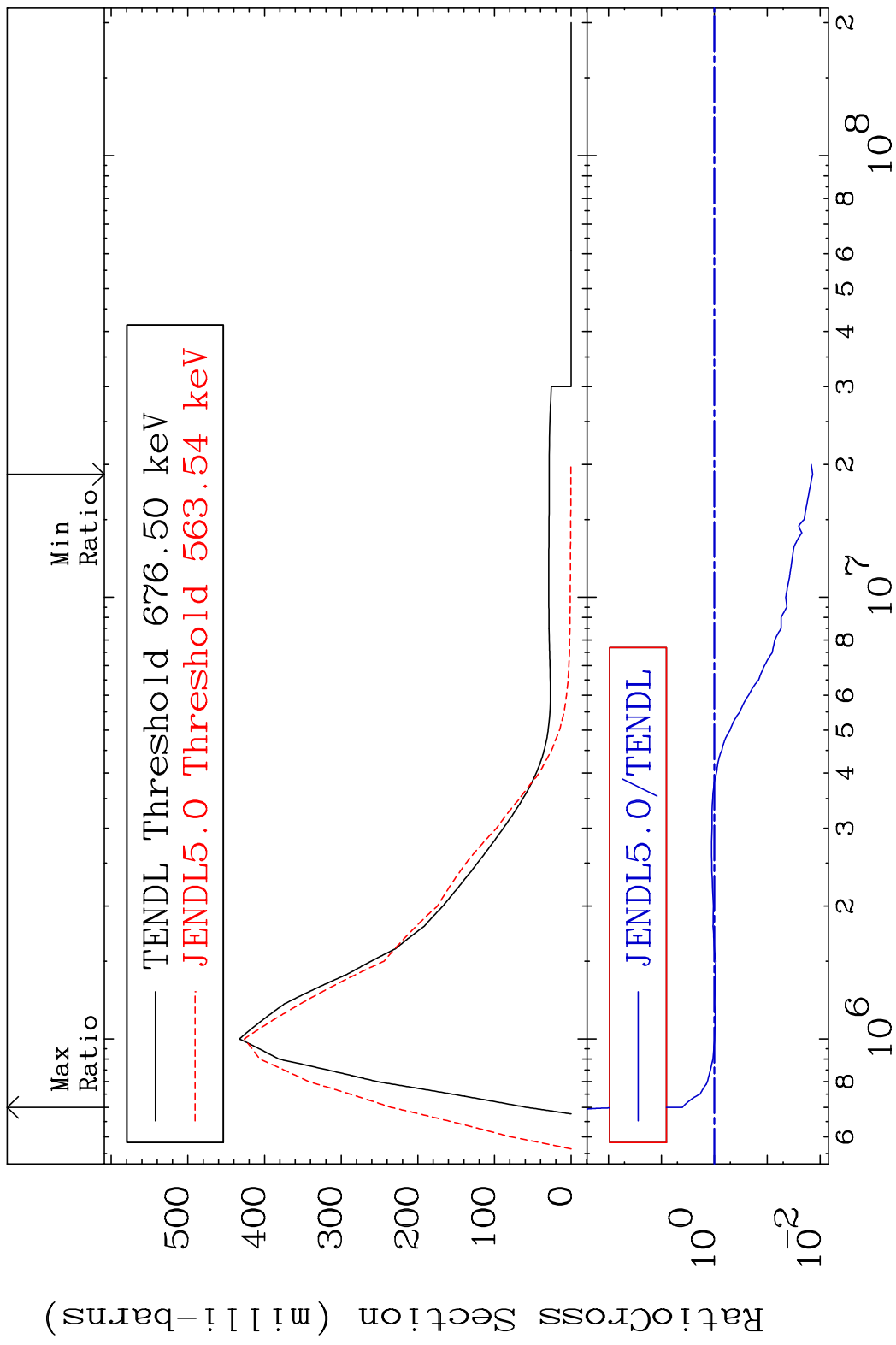


MAT 3728 MT= 52 (n, n') Level 37-Rb-86  
 Cross Section -39.28 To 9999. %

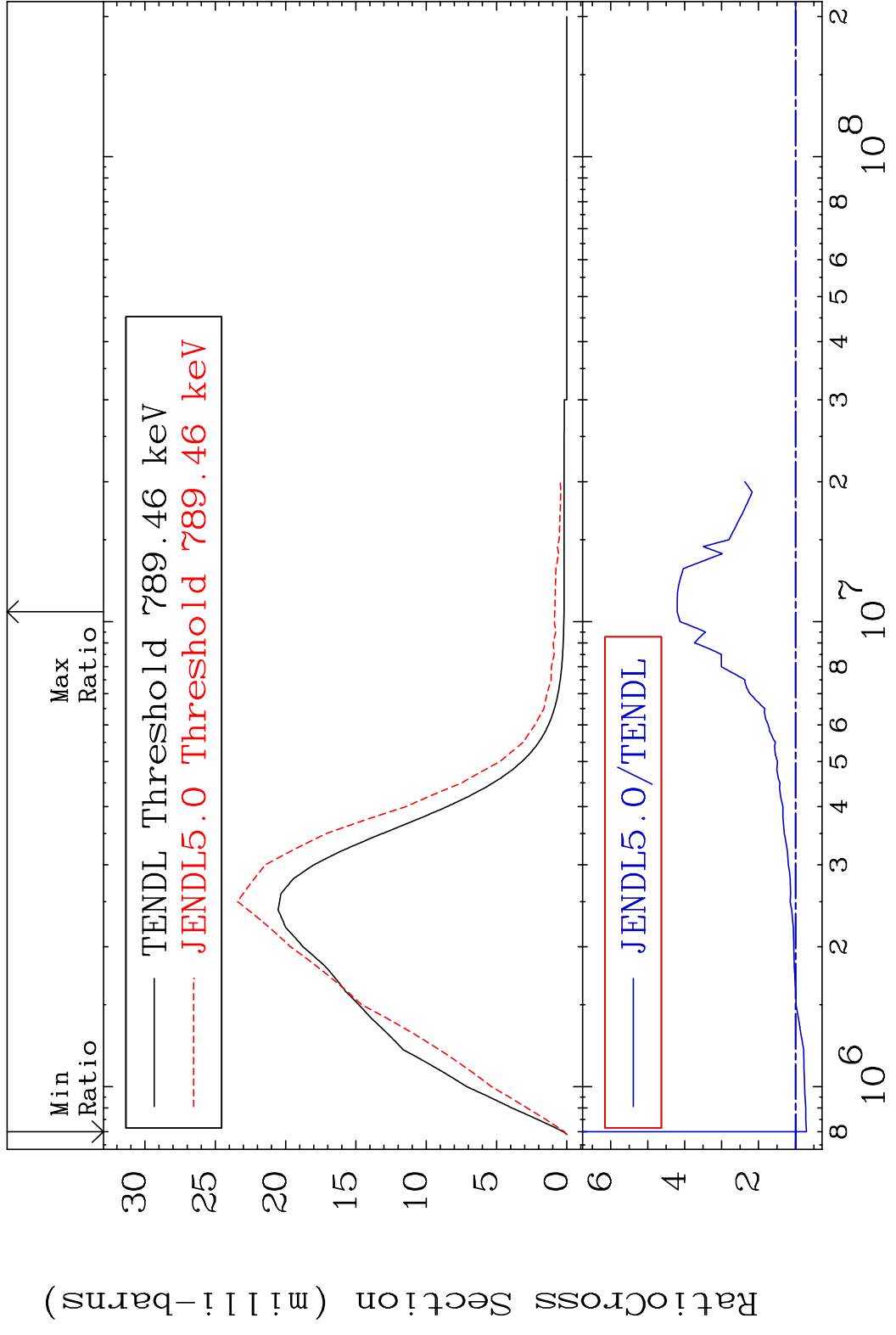


10 Incident Energy (eV) 37-Rb-86

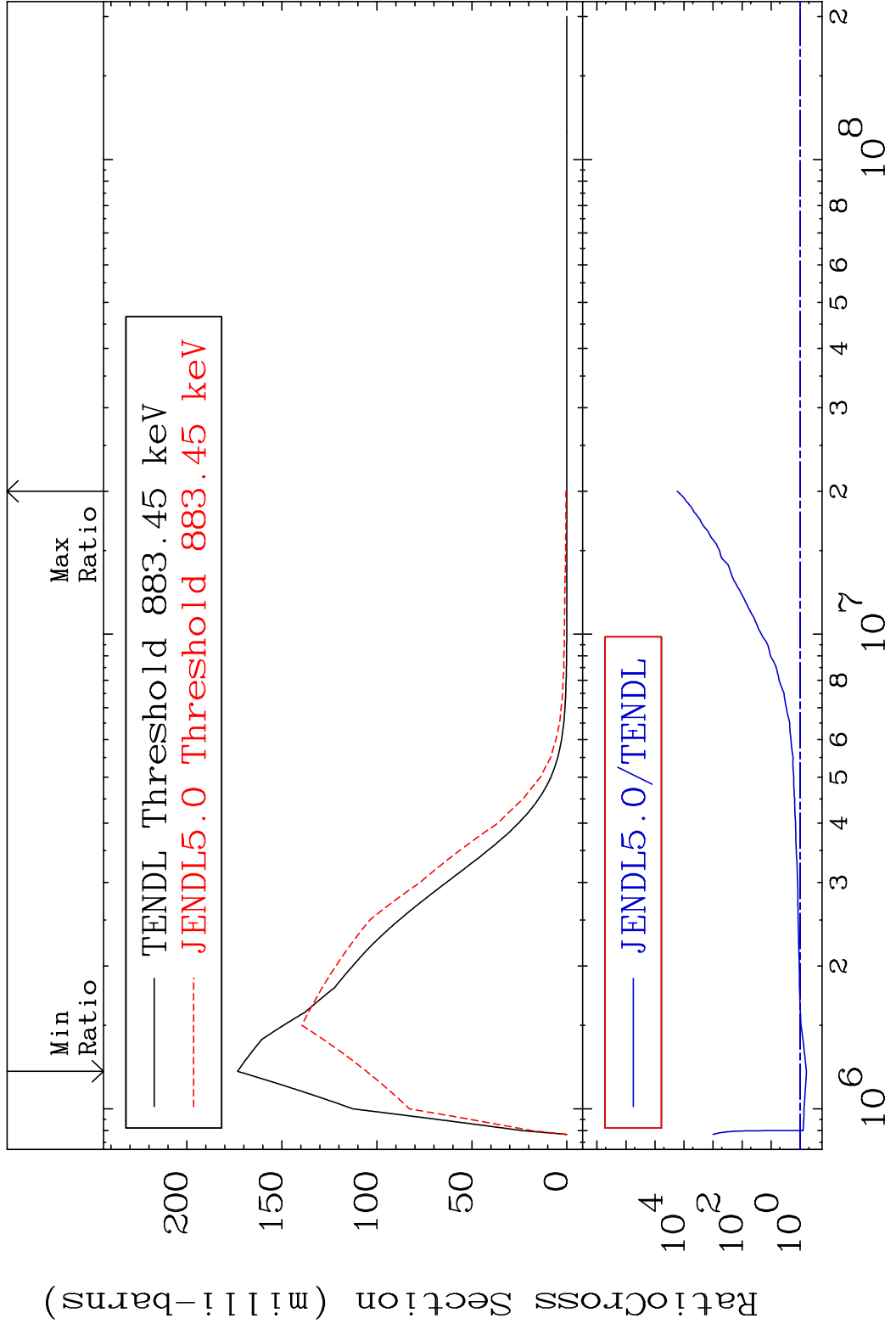
MAT 3728 MT= 53 (n, n') Level 37-Rb-86  
 Cross Section -98.62 To 302.2 %



MAT 3728 MT= 54 (n, n') Level 37-Rb-86  
 Cross Section -29.41 To 320.2 %

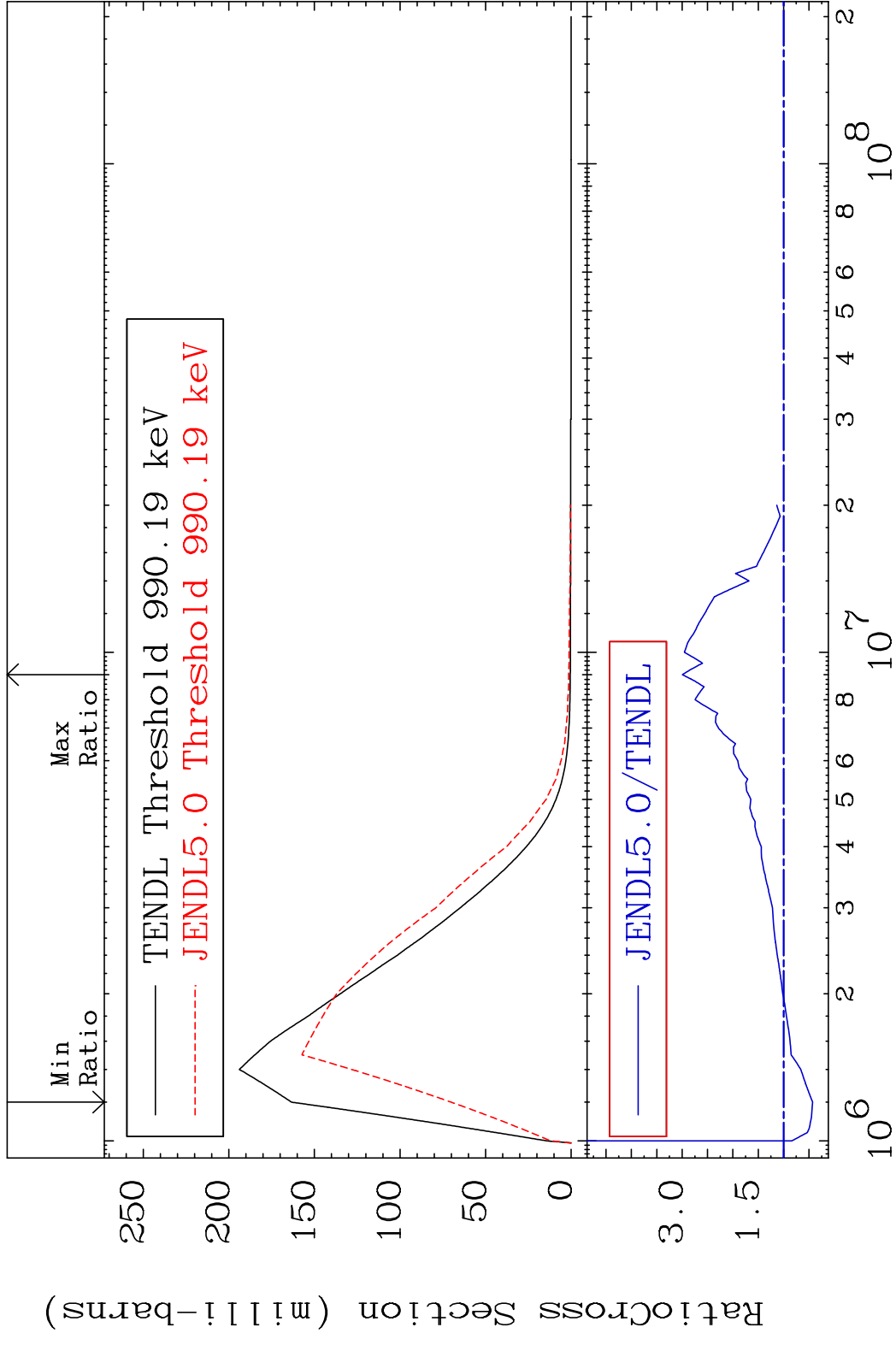


MAT 3728 MT= 55 (n, n') Level 37-Rb-86  
 Cross Section -39.14 To 9999. %

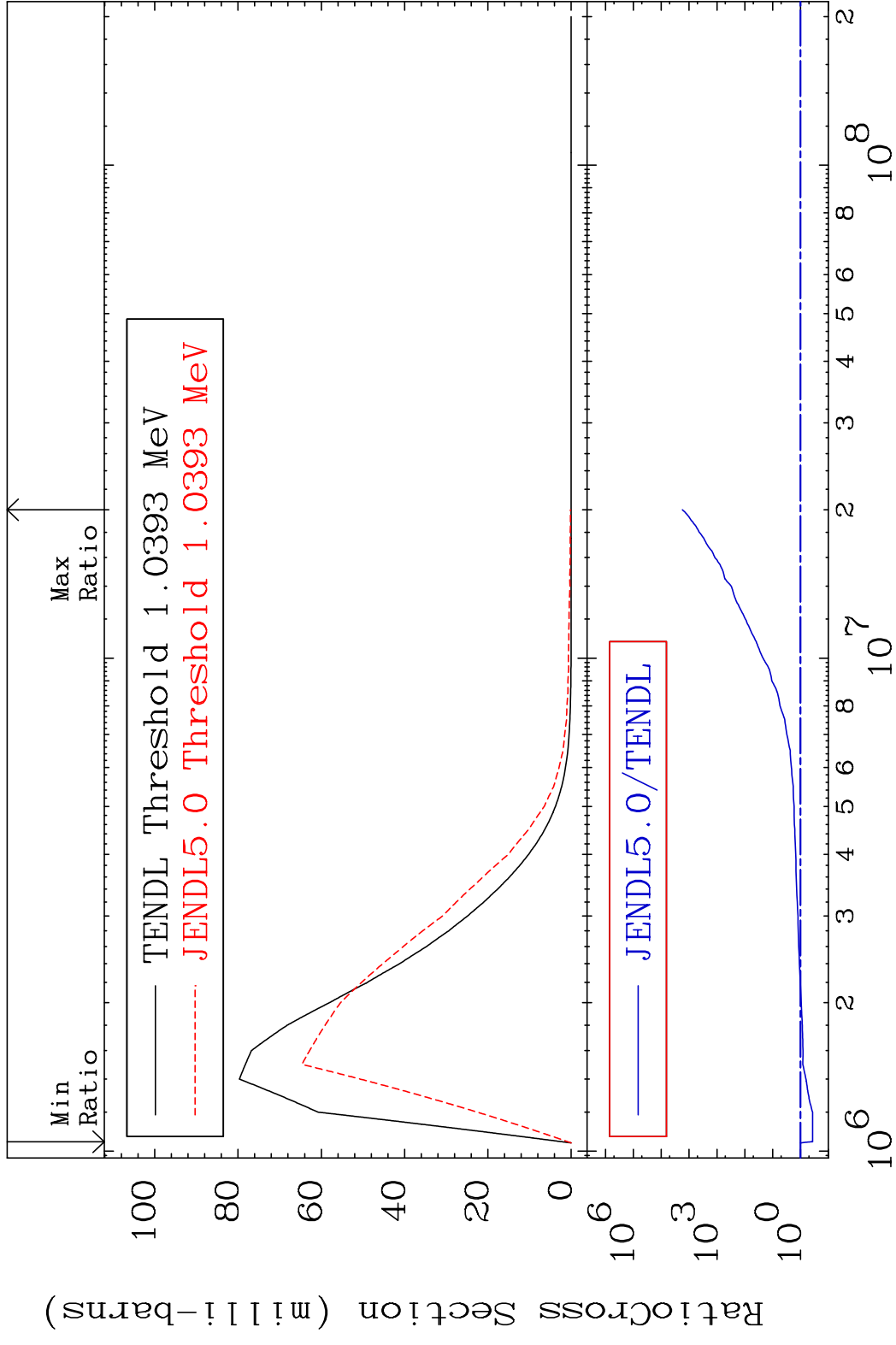


13 Incident Energy (eV) 37-Rb-86

MAT 3728 MT= 56 (n, n') Level 37-Rb-86  
 Cross Section -57.09 To 199.6 %



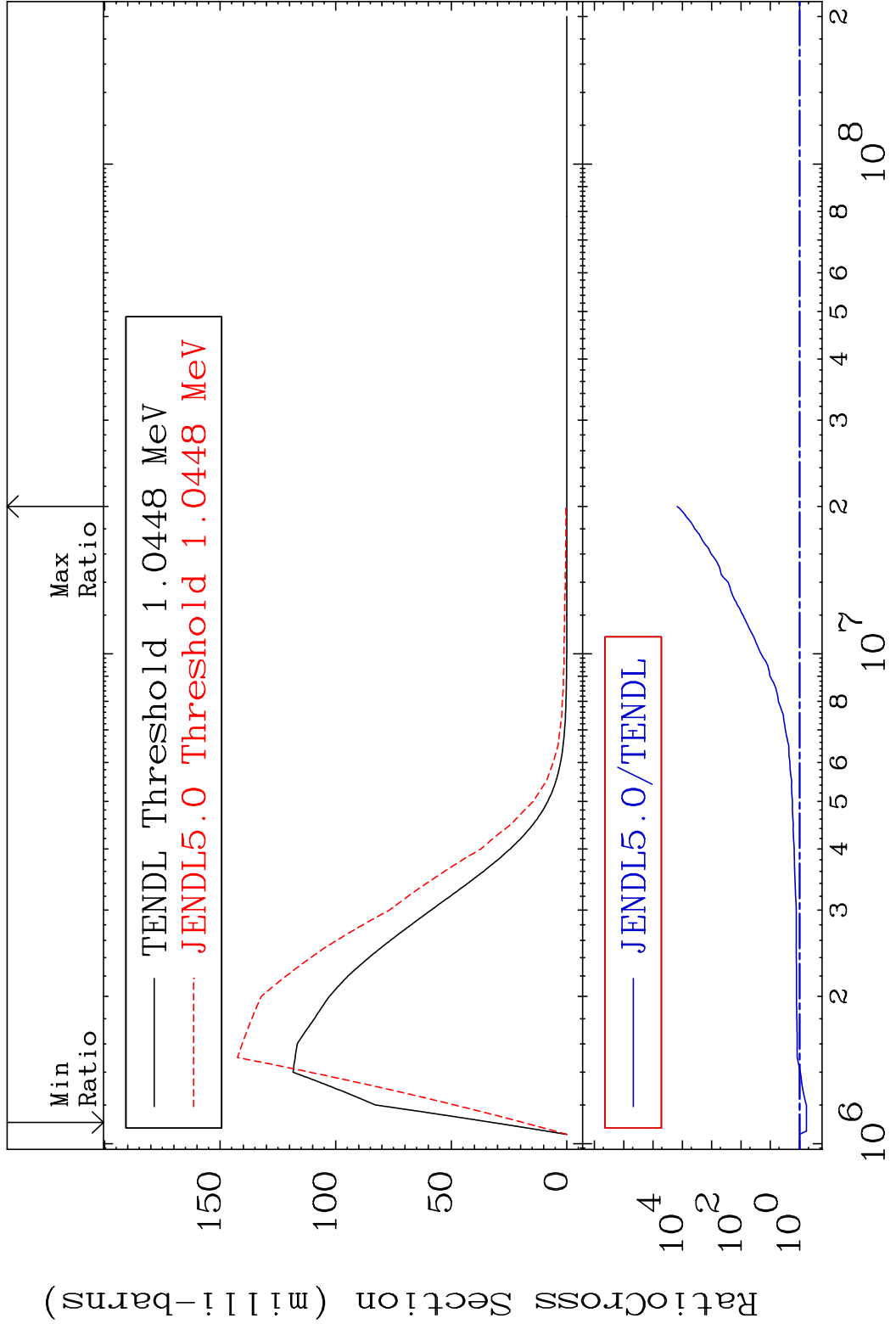
MAT 3728 MT= 57 (n, n') Level 37-Rb-86  
 Cross Section -62.90 To 9999. %



15 Incident Energy (eV) 37-Rb-86

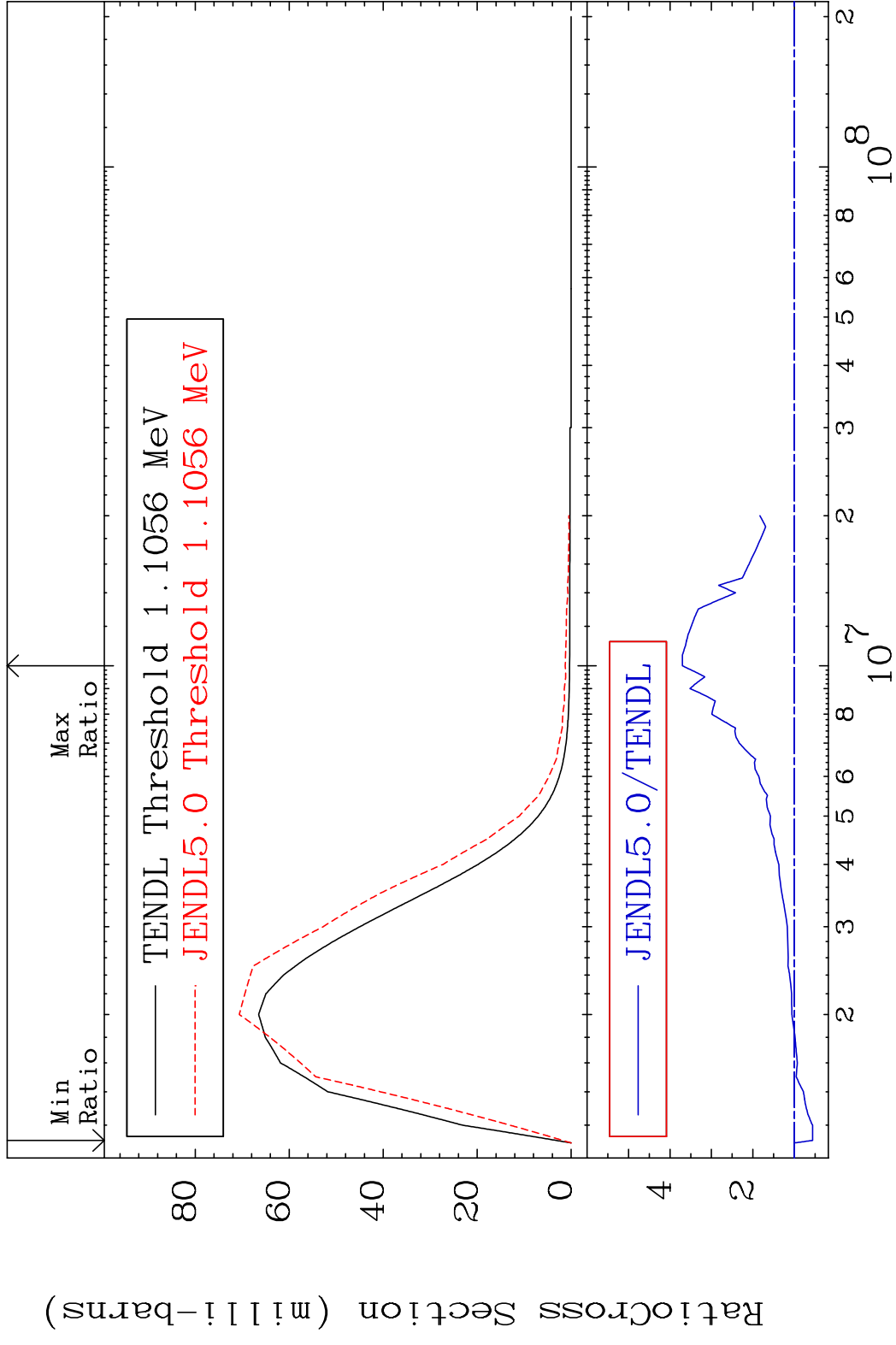


MAT 3728 MT= 58 (n, n') Level 37-Rb-86  
 Cross Section -41.32 To 9999. %

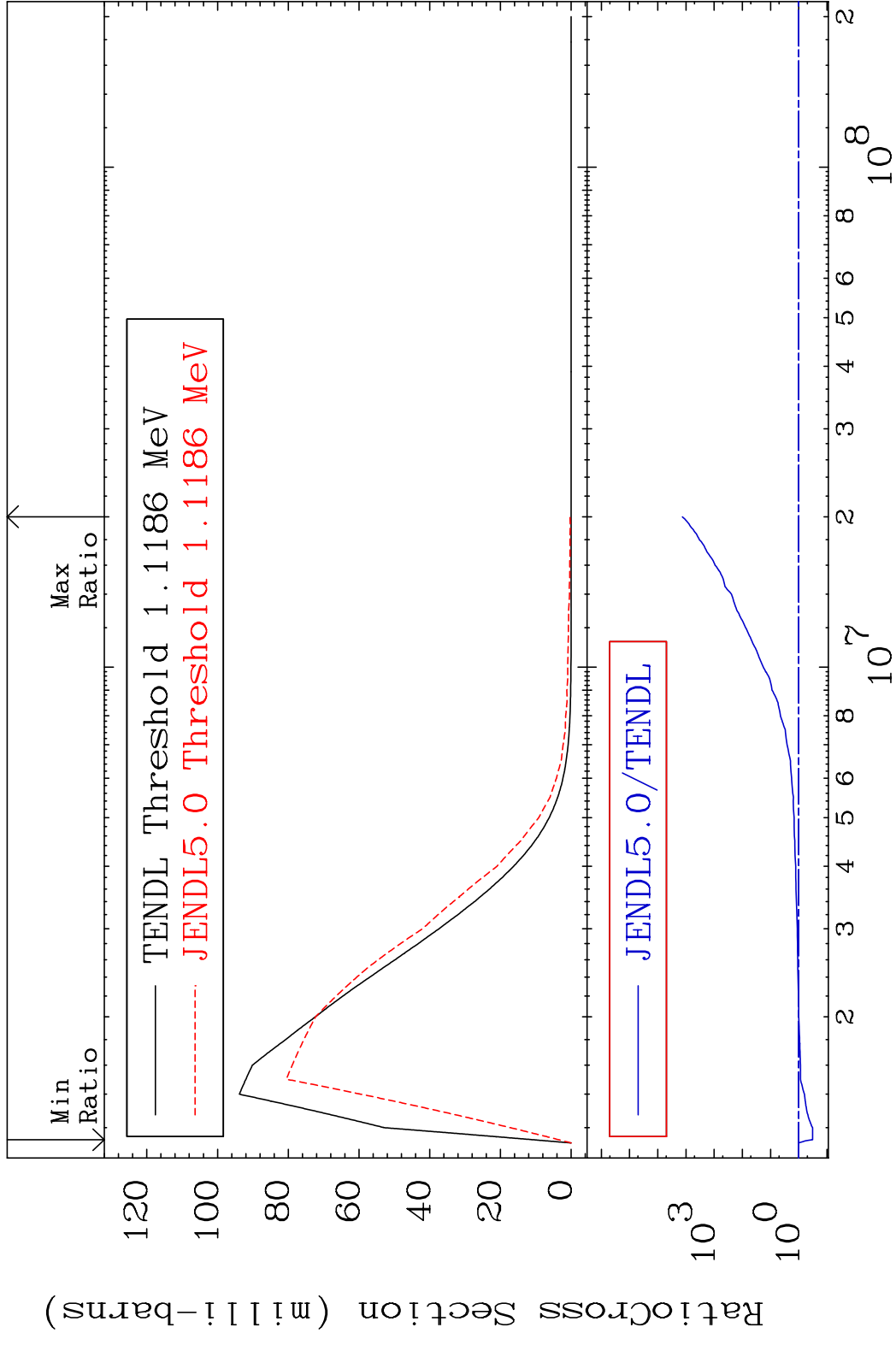


16 Incident Energy (eV) 37-Rb-86

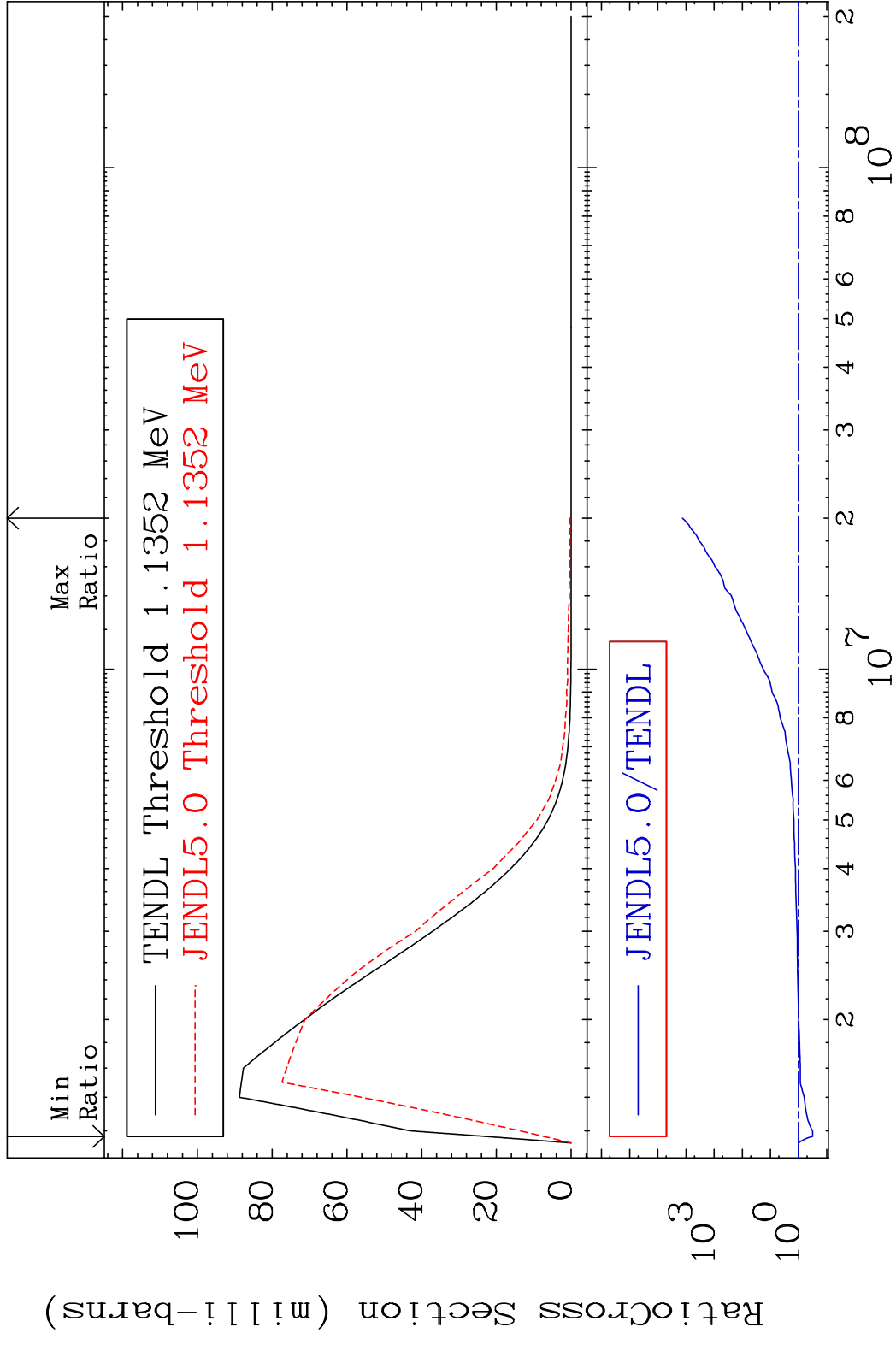
MAT 3728 MT= 59 (n, n') Level 37-Rb-86  
 Cross Section -43.73 To 270.2 %



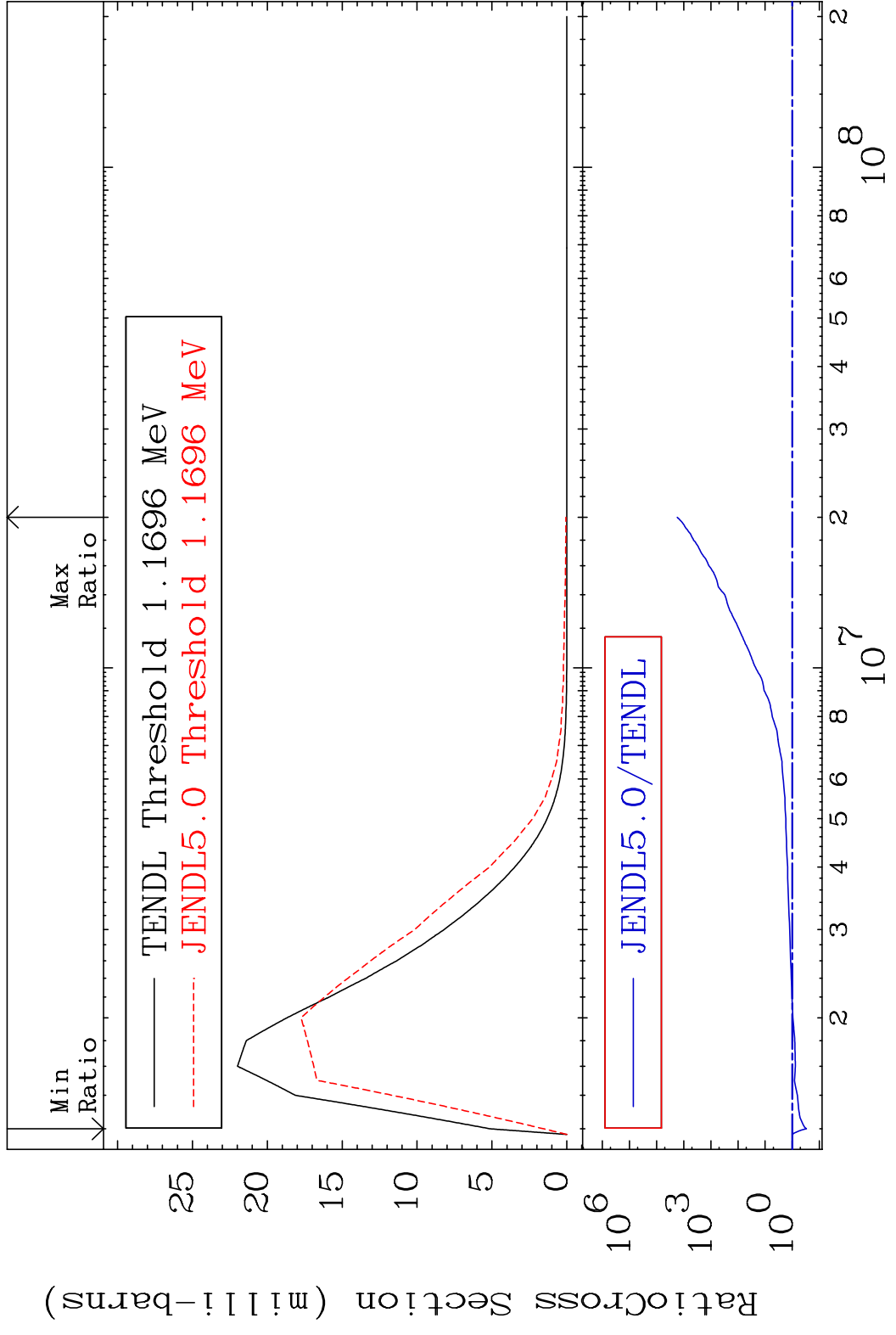
MAT 3728 MT= 60 (n, n') Level 37-Rb-86  
 Cross Section -67.48 To 9999. %



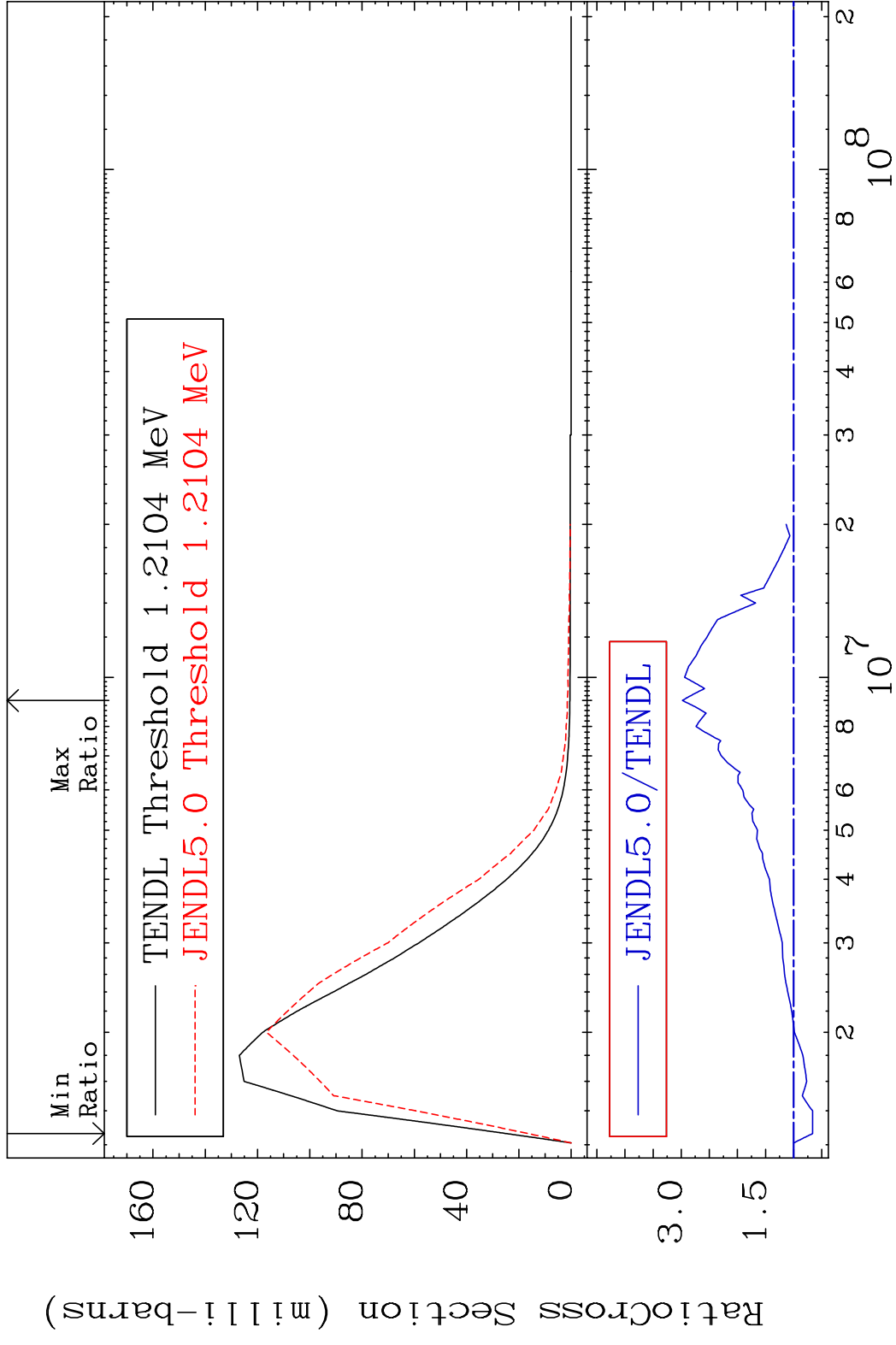
MAT 3728 MT= 61 (n, n') Level 37-Rb-86  
 Cross Section -68.05 To 9999. %



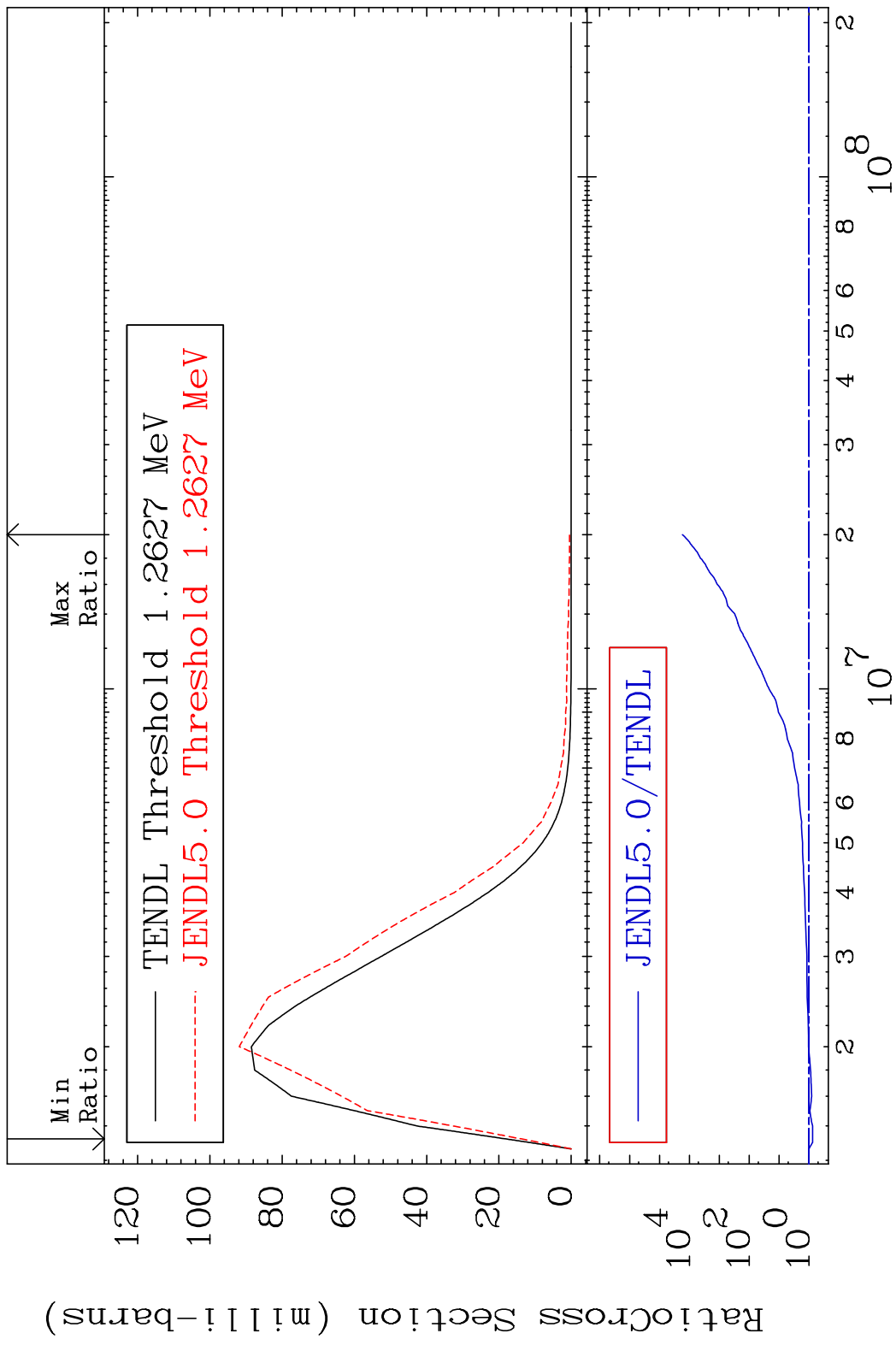
MAT 3728 MT= 62 (n, n') Level 37-Rb-86  
 Cross Section -69.87 To 9999. %



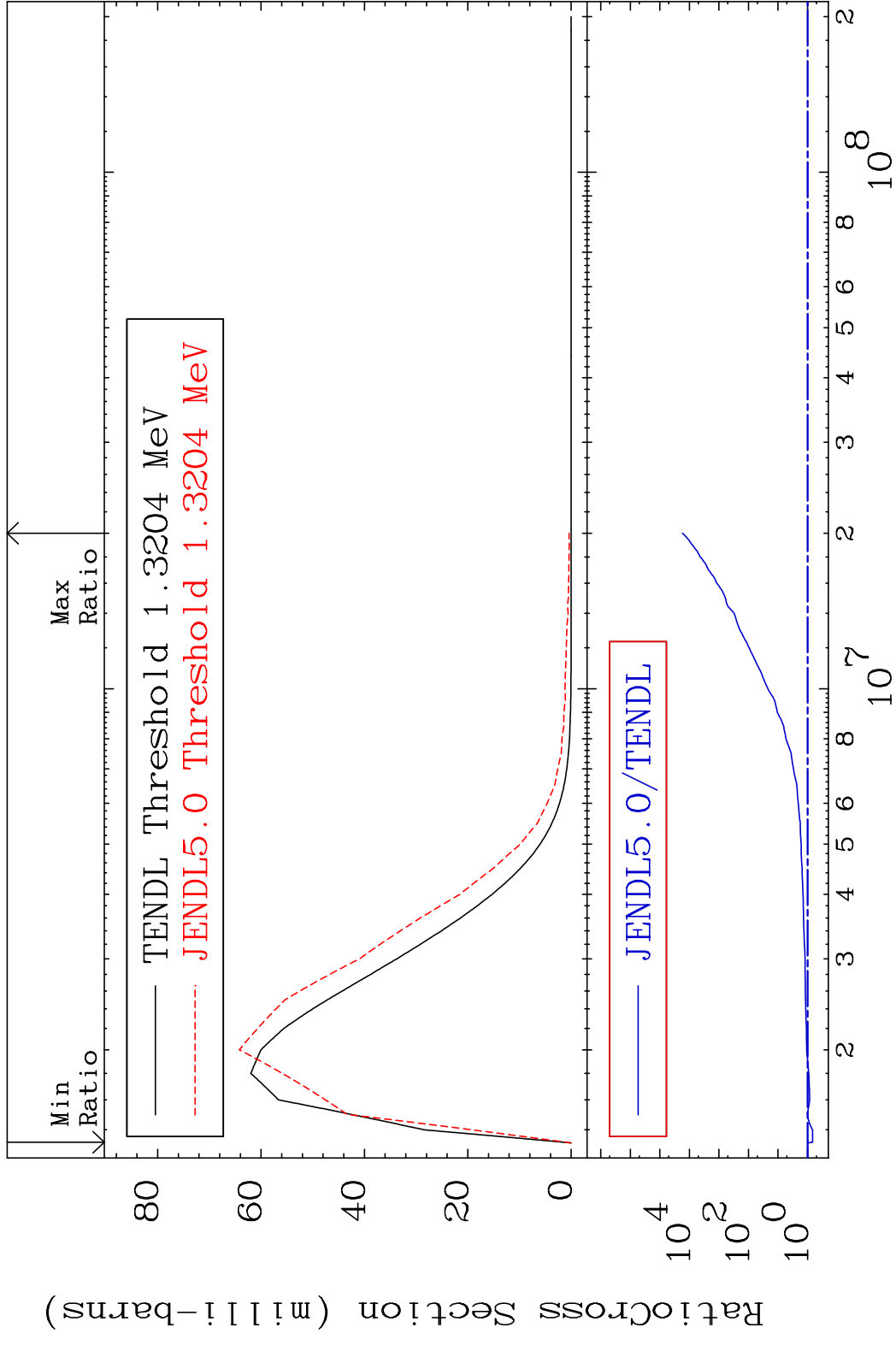
MAT 3728 MT= 63 (n, n') Level 37-Rb-86  
 Cross Section -33.55 To 198.0 %



MAT 3728 MT= 64 (n, n') Level 37-Rb-86  
 Cross Section -23.59 To 9999. %

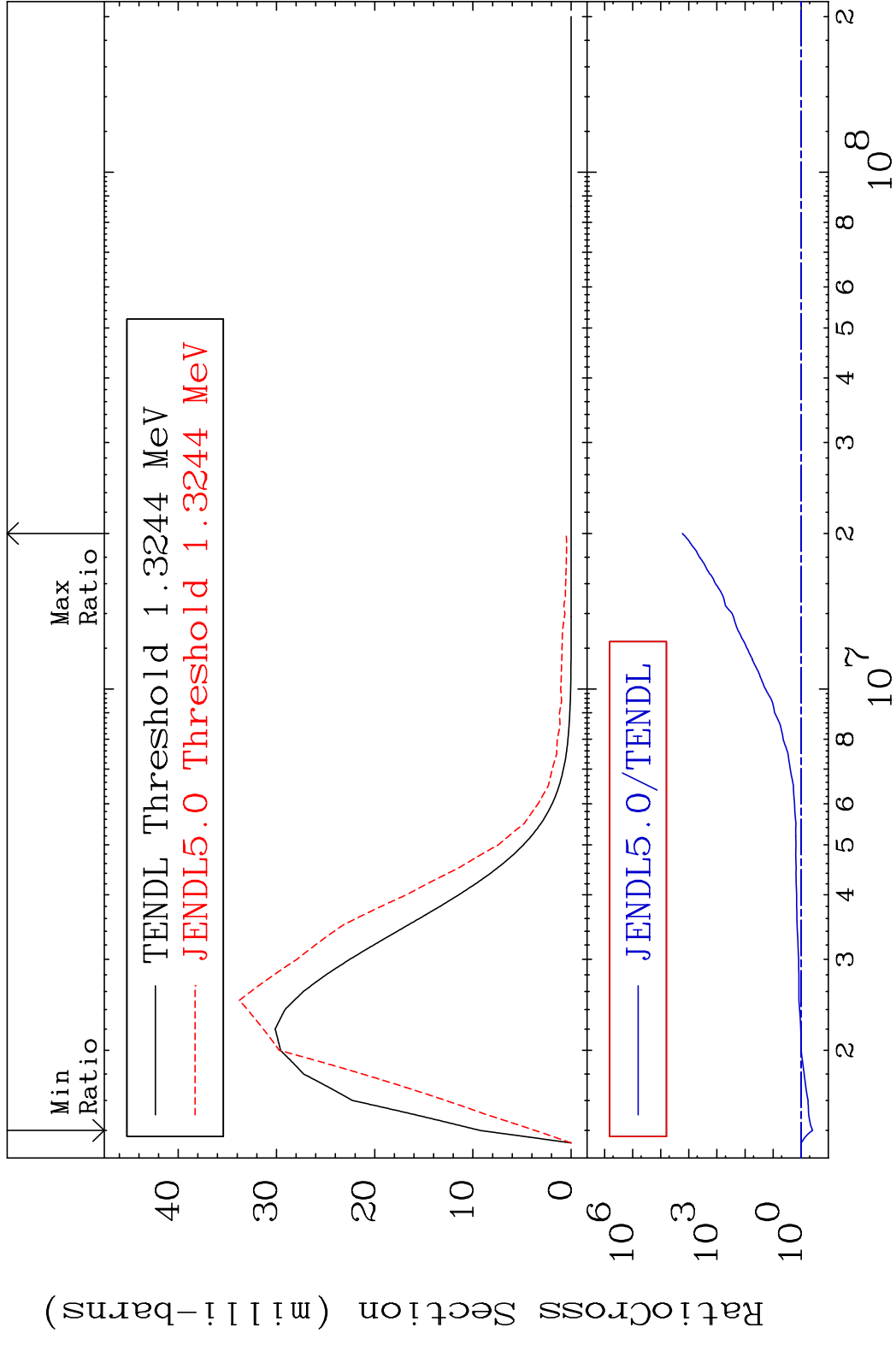


MAT 3728 MT= 65 (n, n') Level 37-Rb-86  
 Cross Section -32.60 To 9999. %

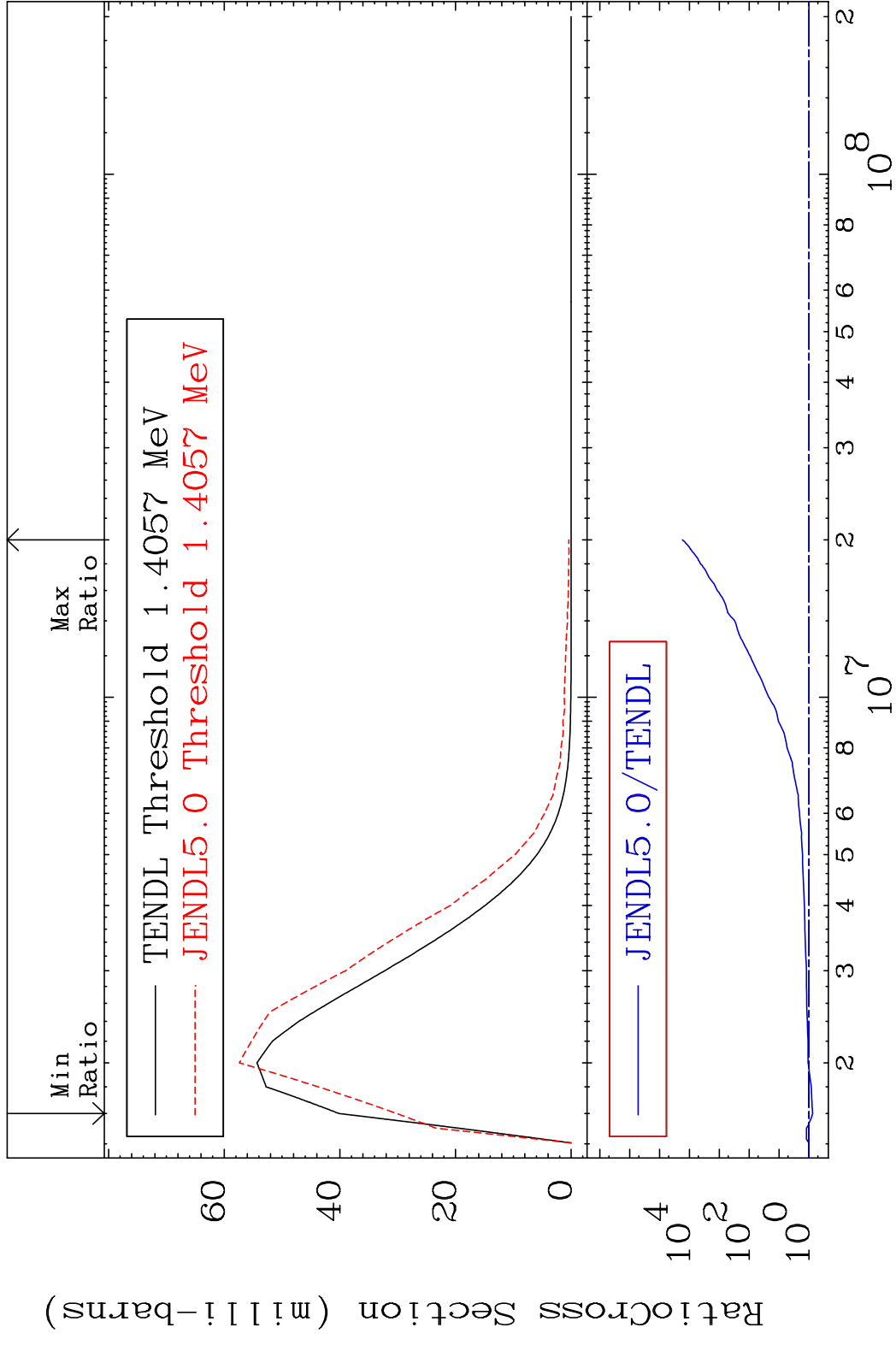




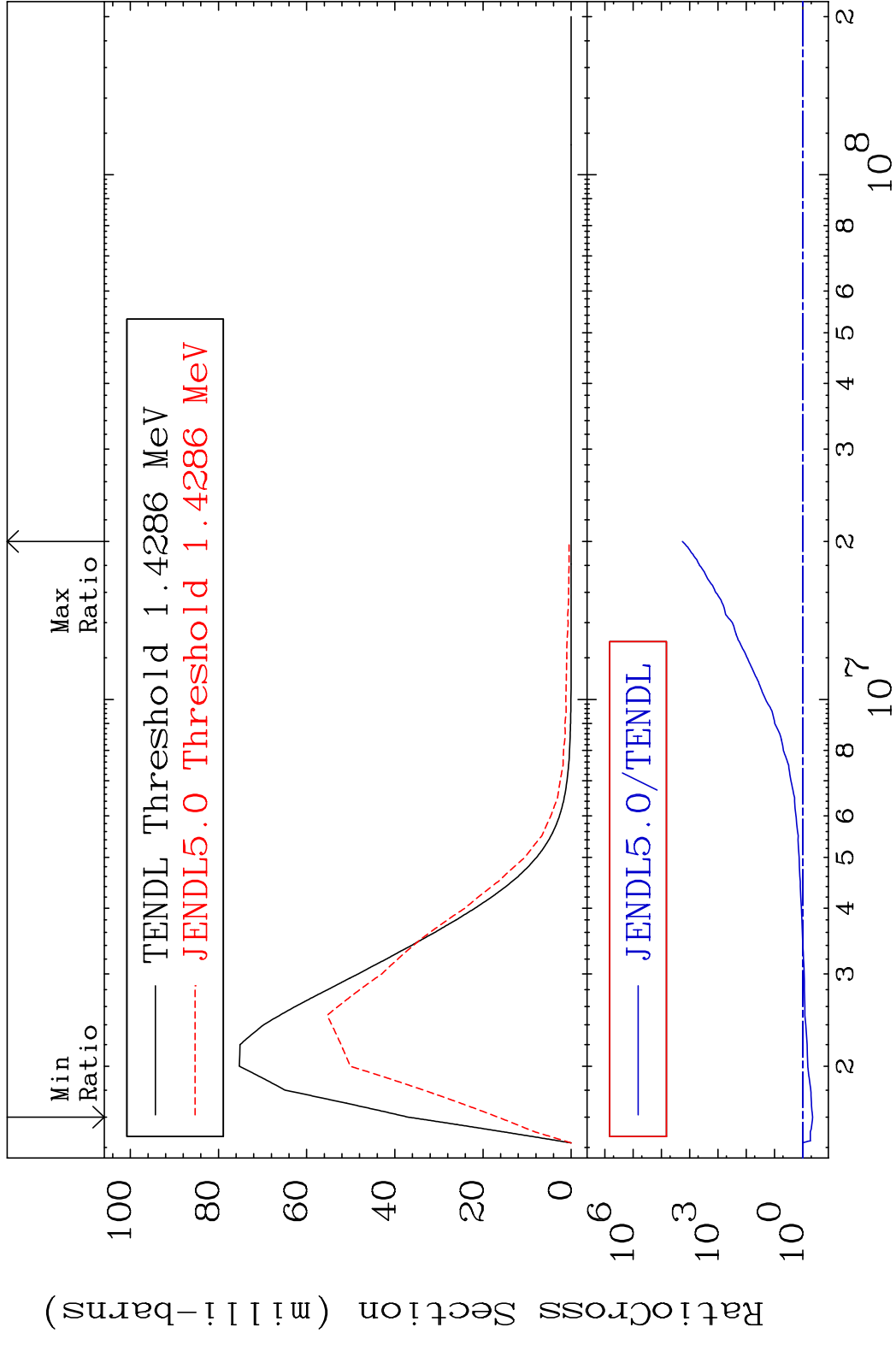
MAT 3728 MT= 66 (n, n') Level 37-Rb-86  
 Cross Section -60.53 To 9999. %



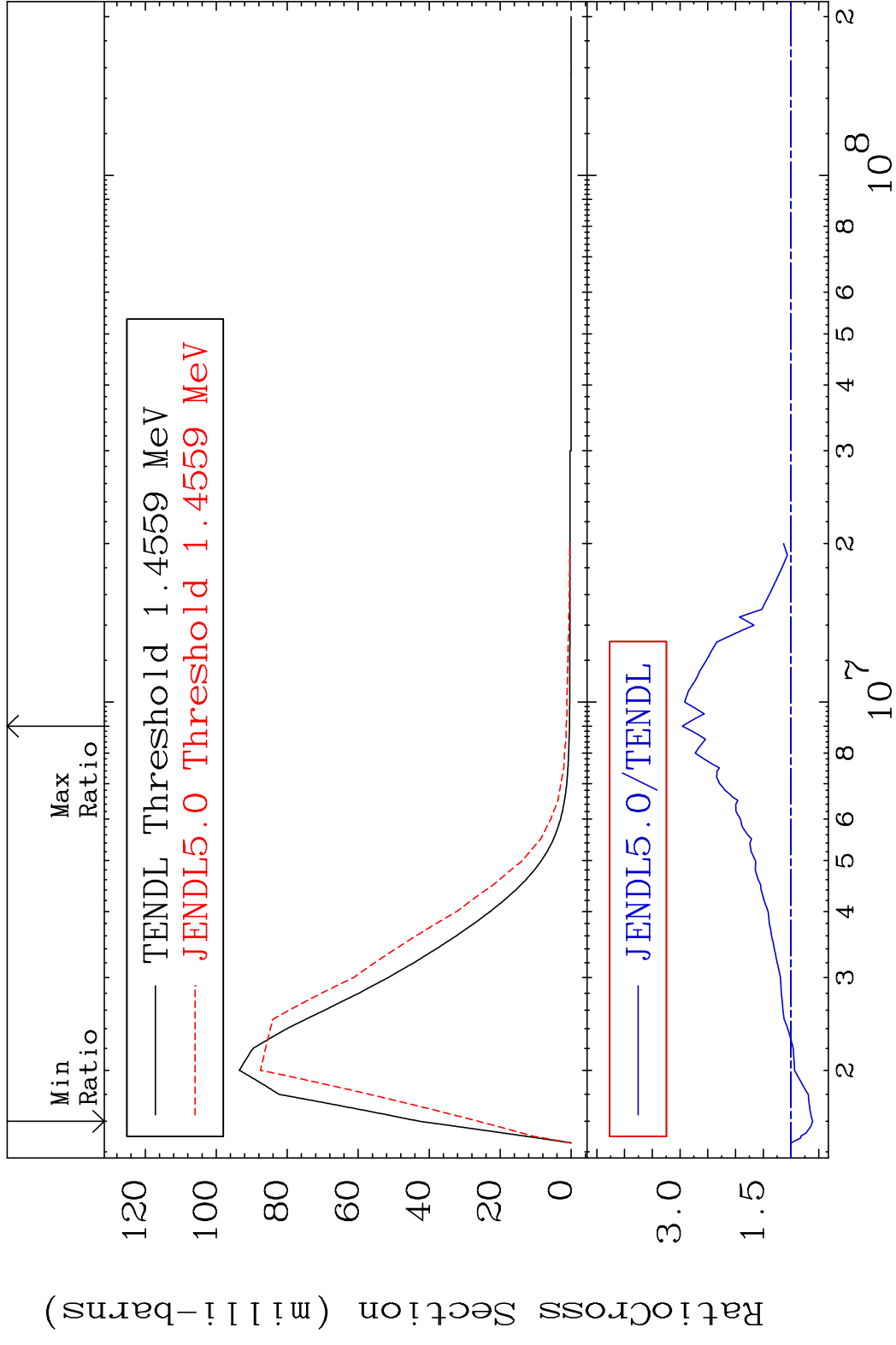
MAT 3728 MT= 67 (n, n') Level 37-Rb-86  
 Cross Section -24.84 To 9999. %



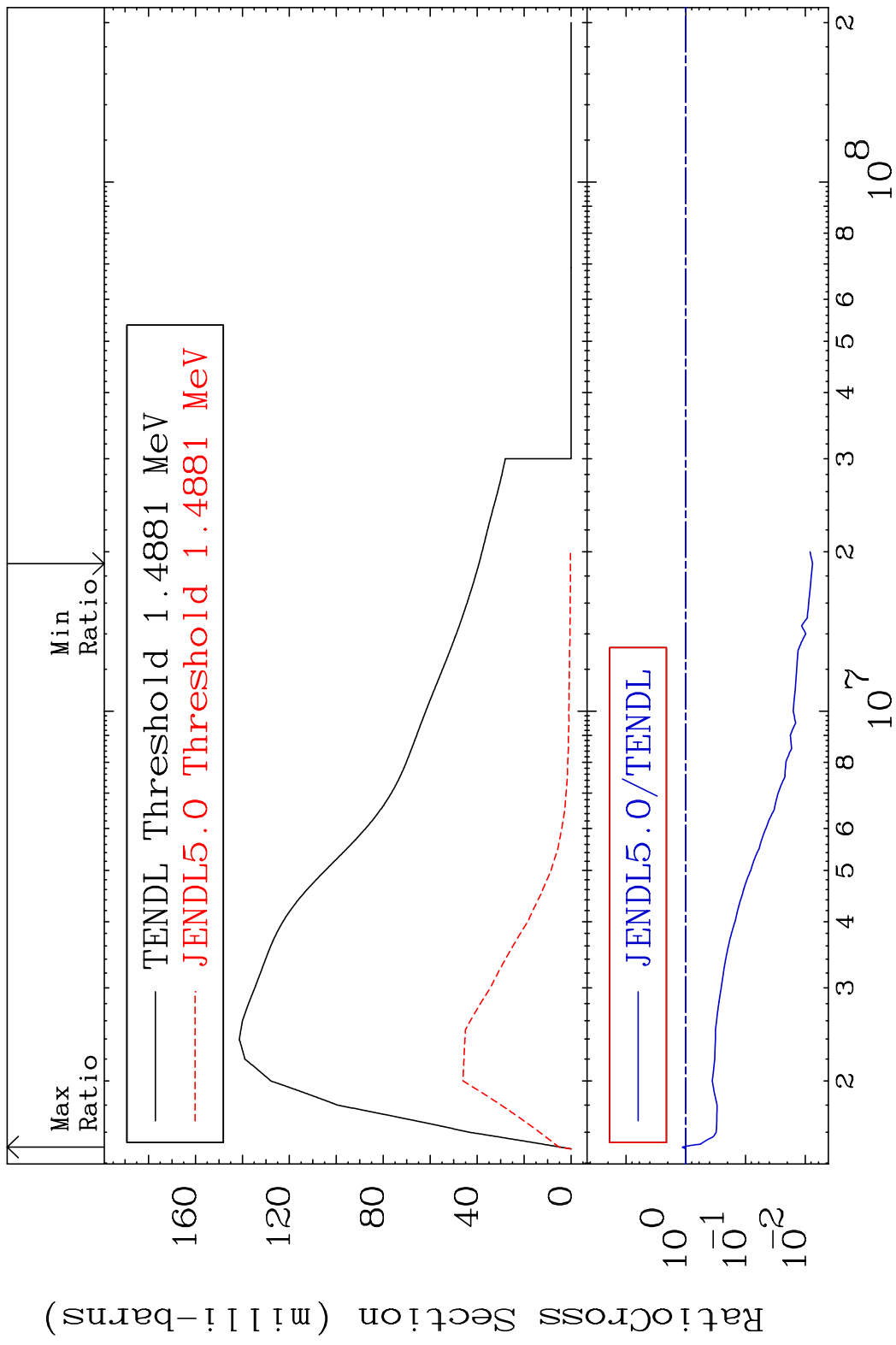
MAT 3728 MT= 68 (n, n') Level 37-Rb-86  
 Cross Section -55.03 To 9999. %



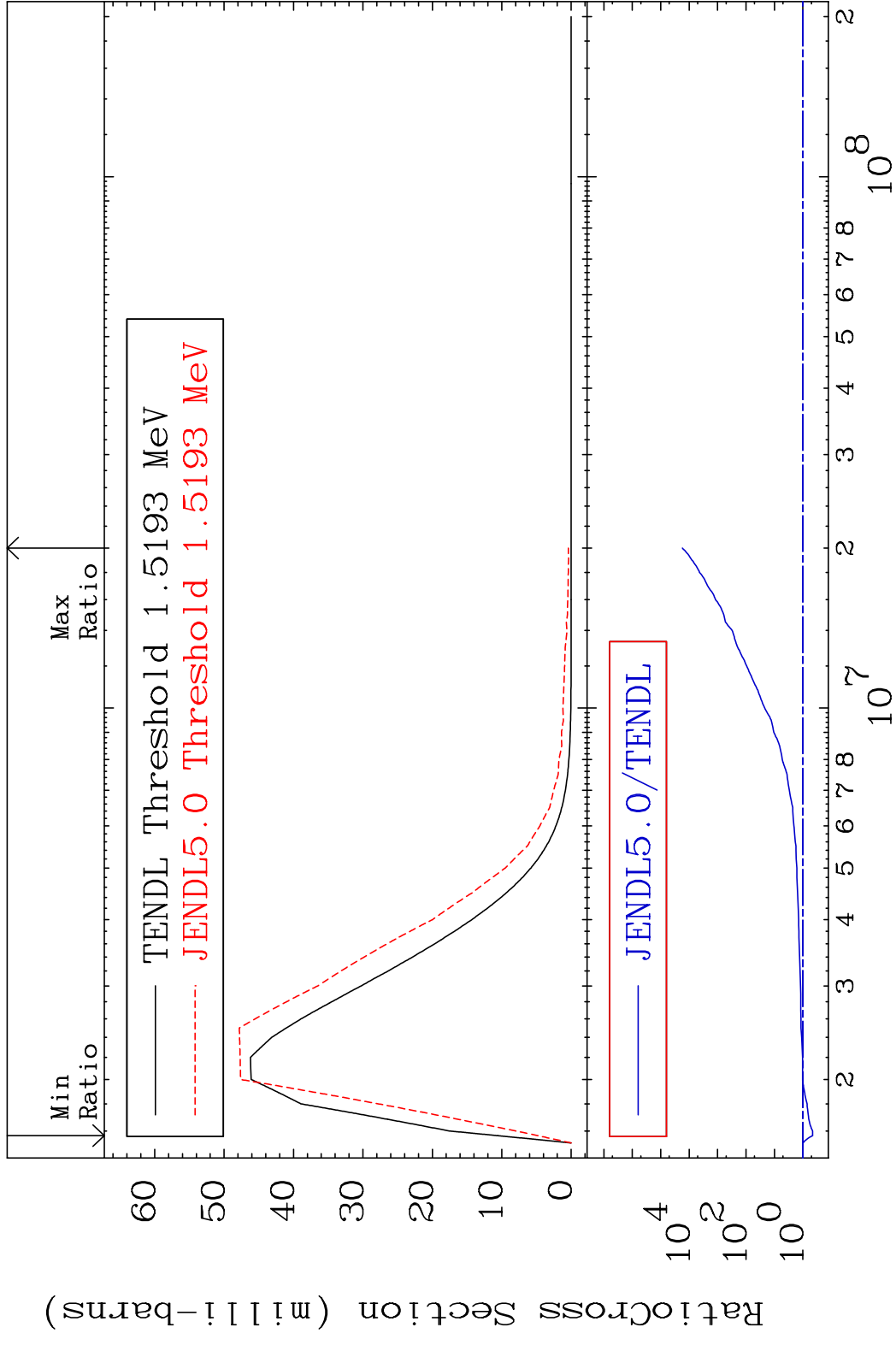
MAT 3728 MT= 69 (n, n') Level 37-Rb-86  
 Cross Section -38.80 To 195.8 %



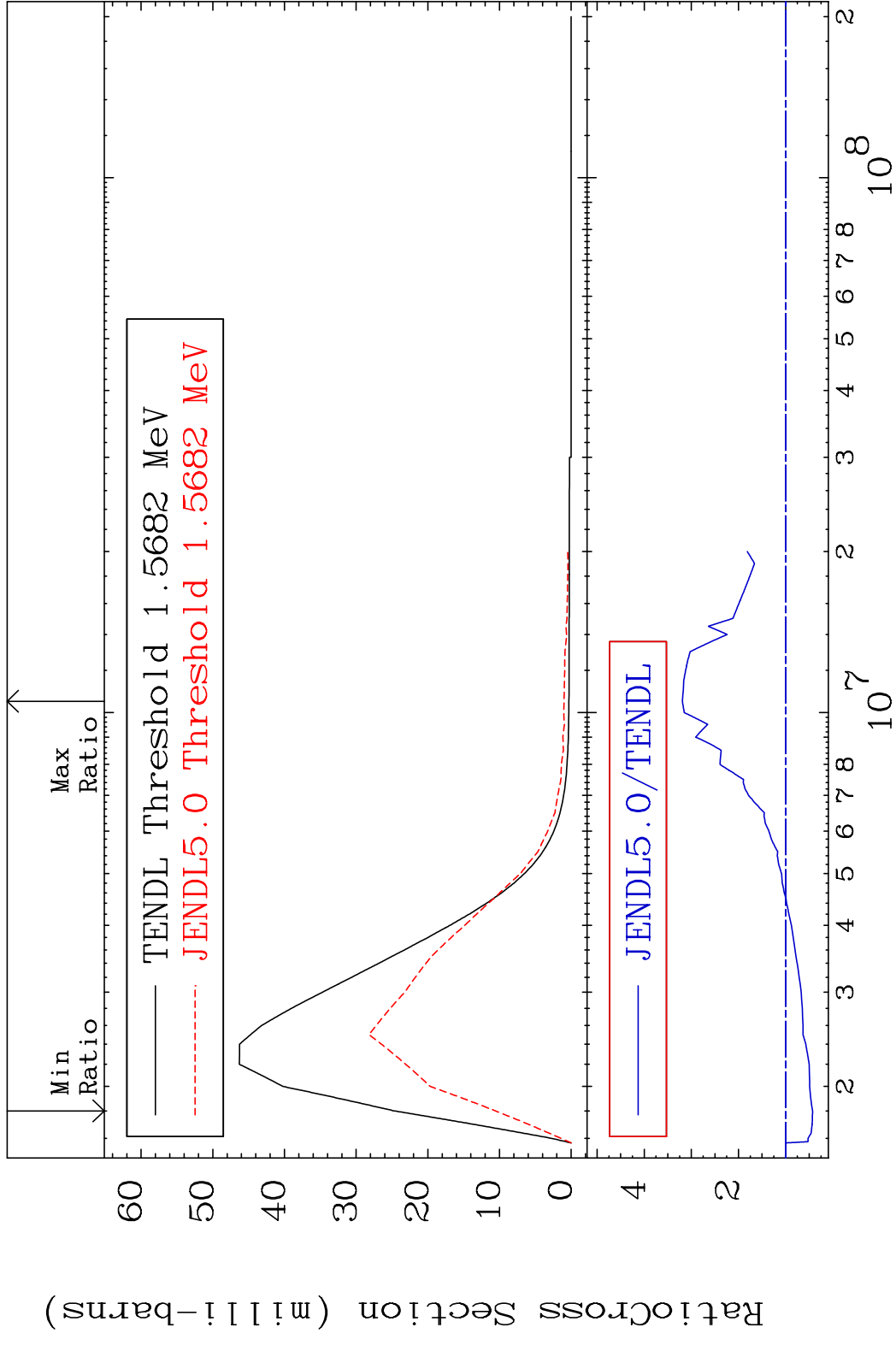
MAT 3728 MT= 70 (n, n') Level 37-Rb-86  
 Cross Section -99.24 To 14.41 %



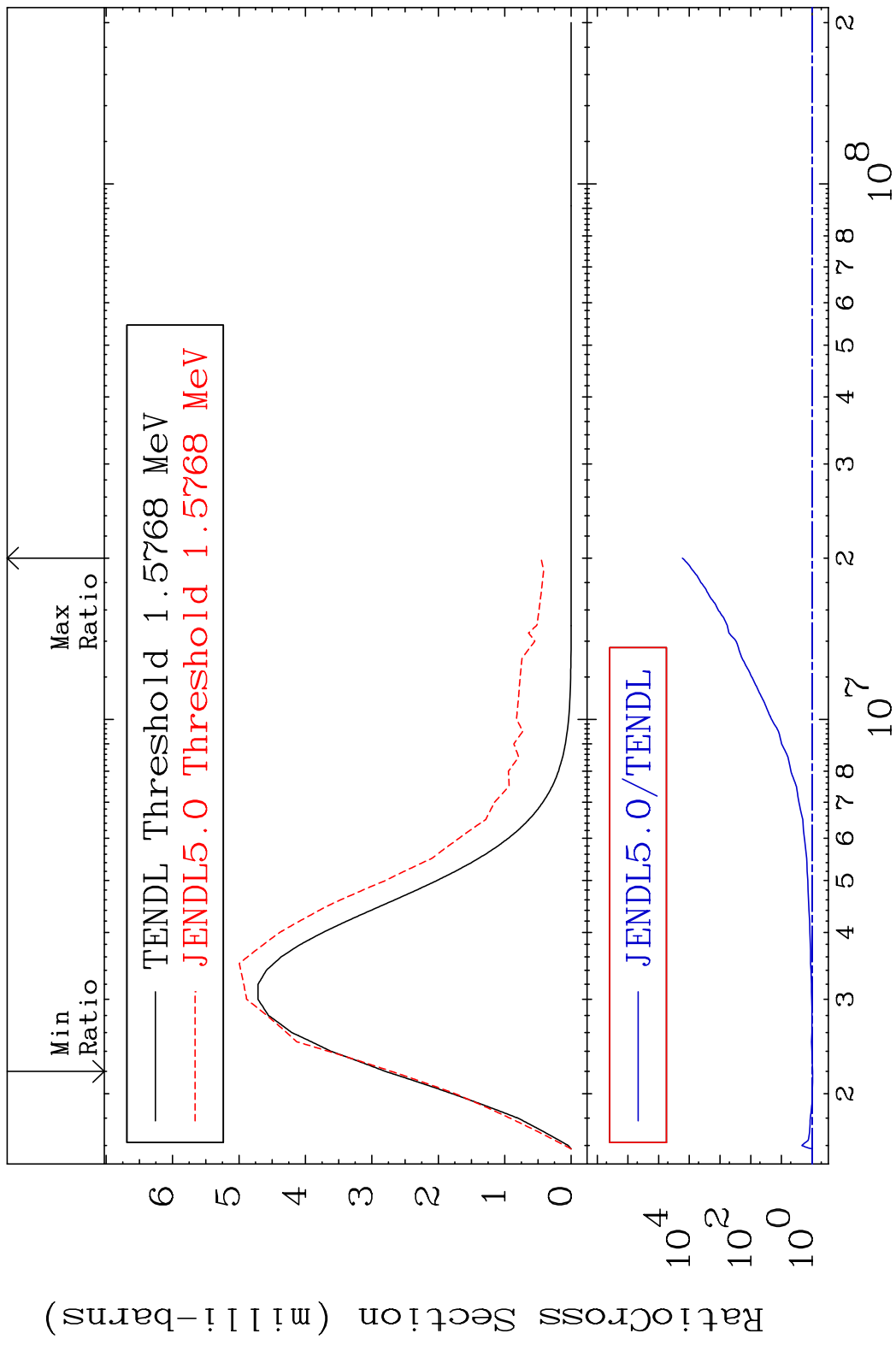
MAT 3728 MT= 71 (n, n') Level 37-Rb-86  
 Cross Section -54.39 To 9999. %



MAT 3728 MT= 72 (n, n') Level 37-Rb-86  
 Cross Section -57.21 To 219.1 %

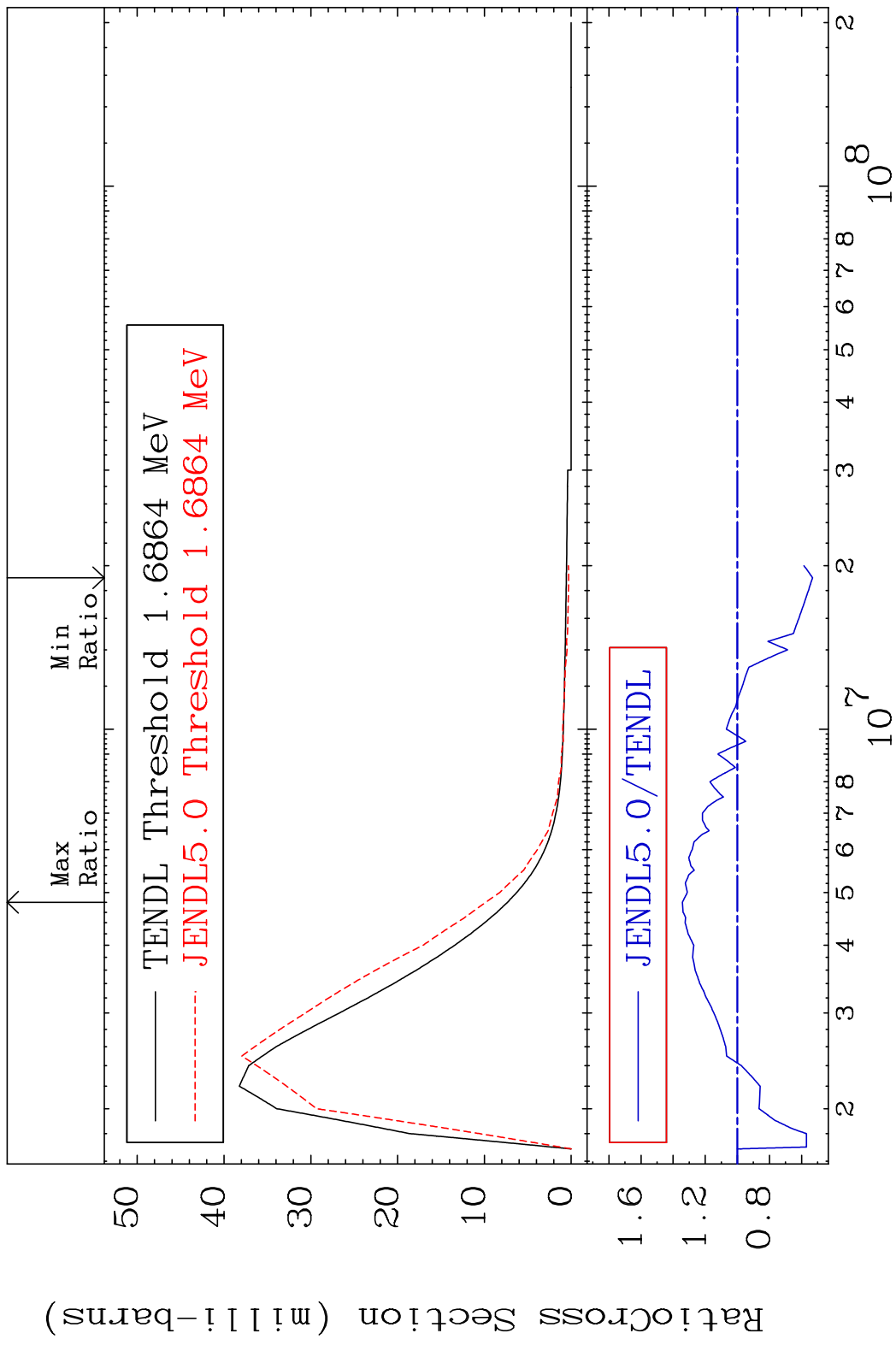


MAT 3728 MT= 73 (n, n') Level 37-Rb-86  
 Cross Section -3.305 To 9999. %

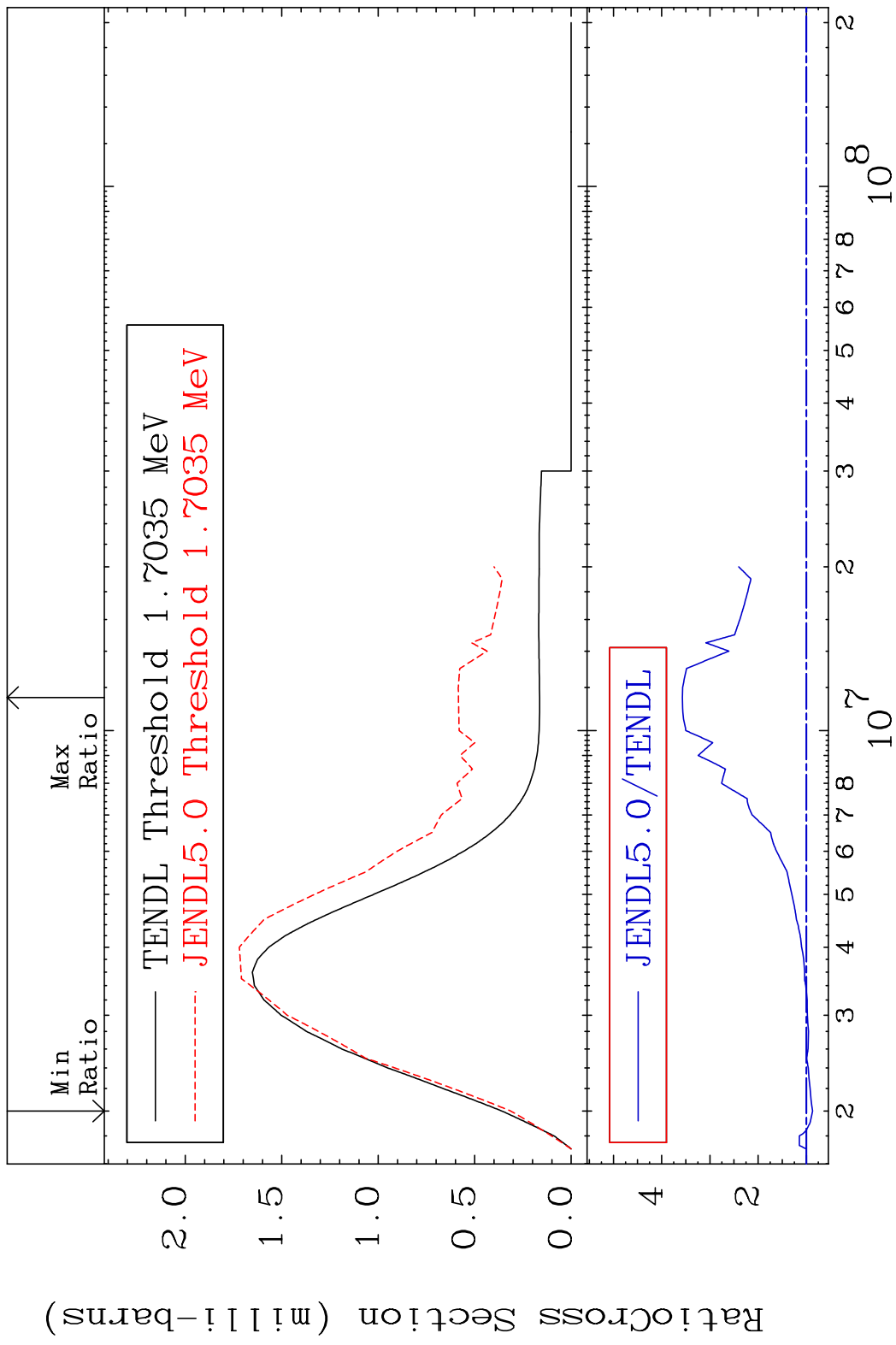




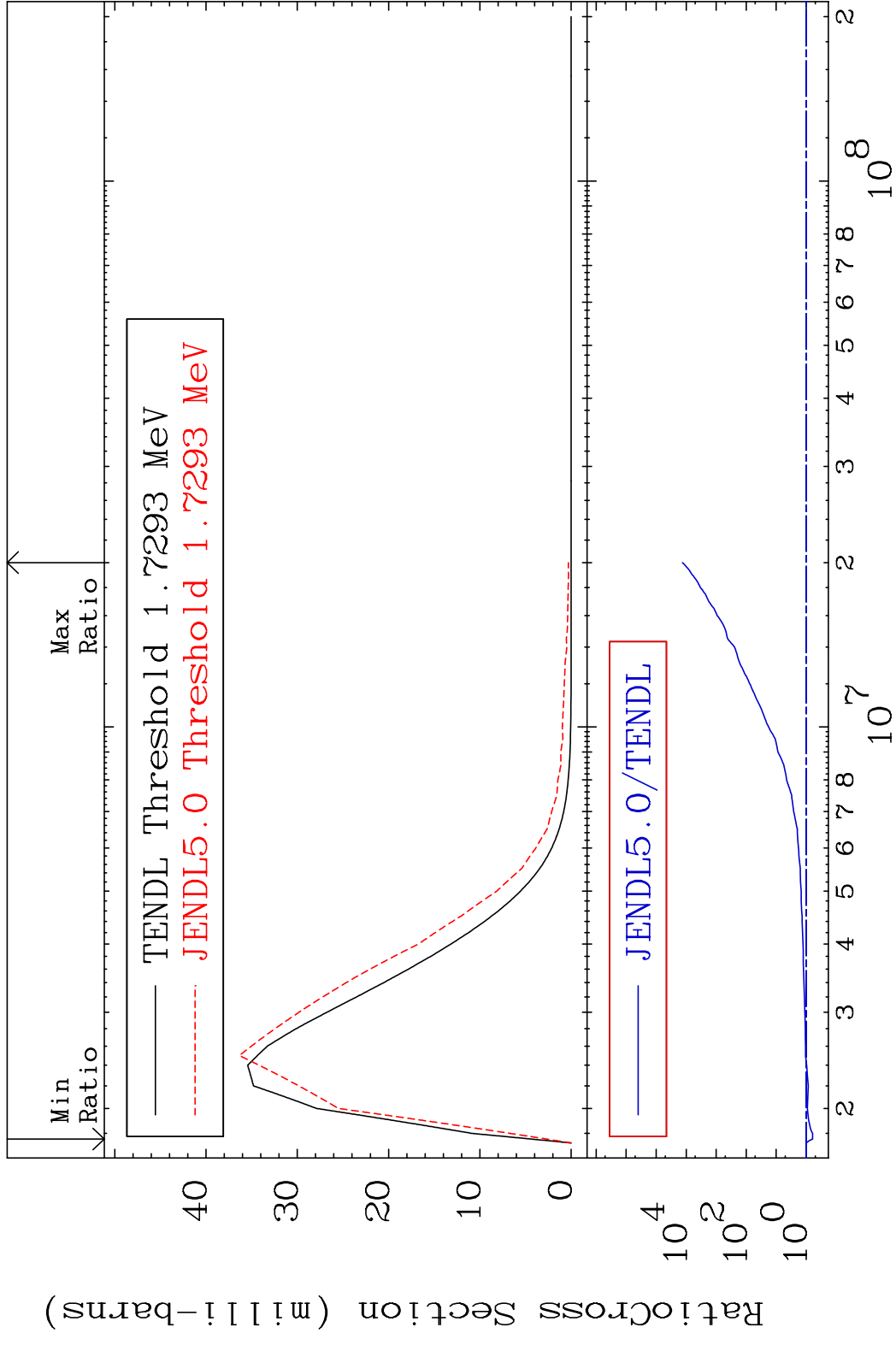
MAT 3728 MT= 74 (n, n') Level 37-Rb-86  
 Cross Section -46.84 To 34.25 %



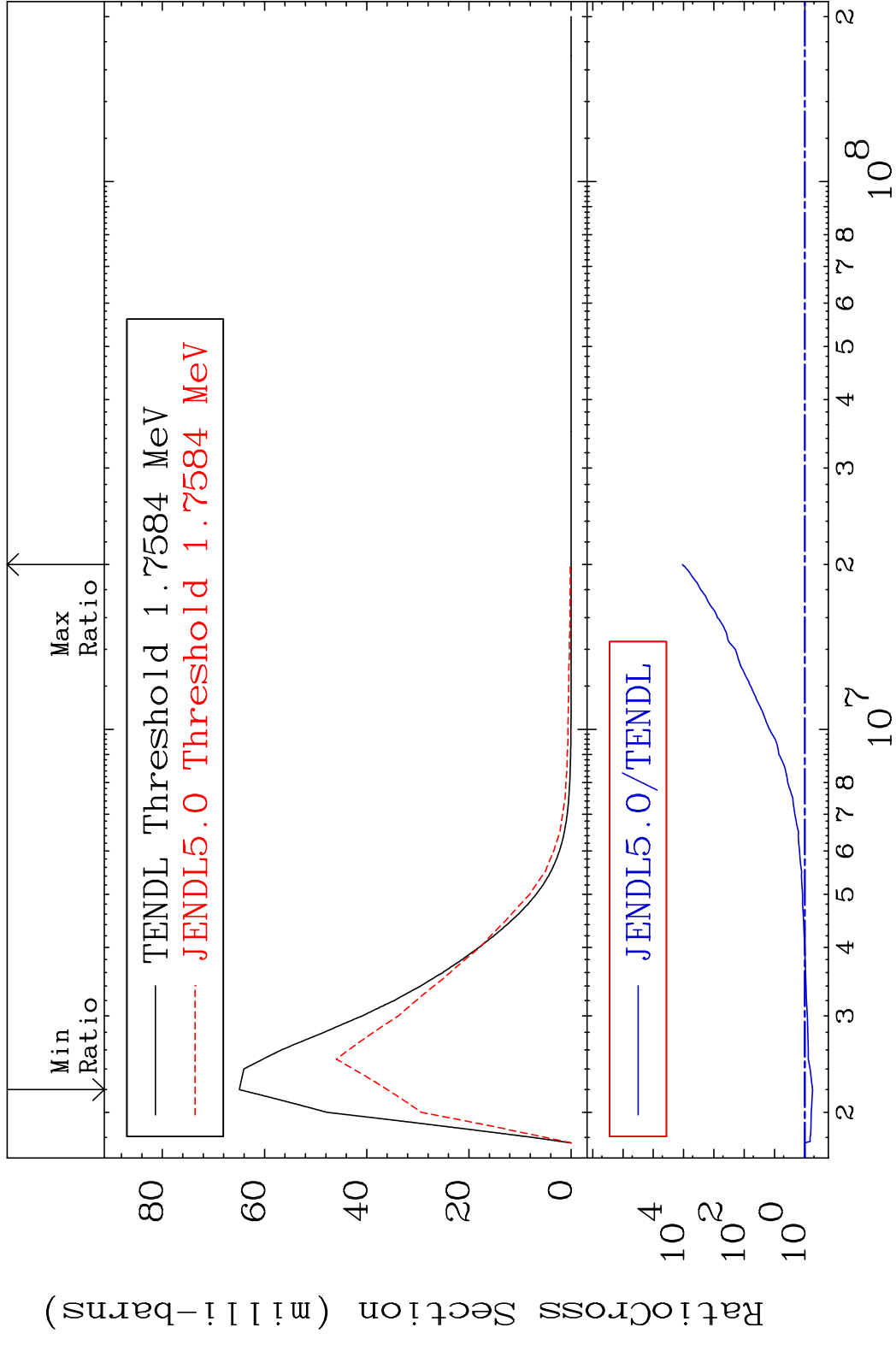
MAT 3728 MT= 75 (n, n') Level 37-Rb-86  
 Cross Section -12.87 To 257.1 %



MAT 3728 MT= 76 (n, n') Level 37-Rb-86  
 Cross Section -38.46 To 9999. %



MAT 3728 MT= 77 (n, n') Level 37-Rb-86  
 Cross Section -44.59 To 9999. %

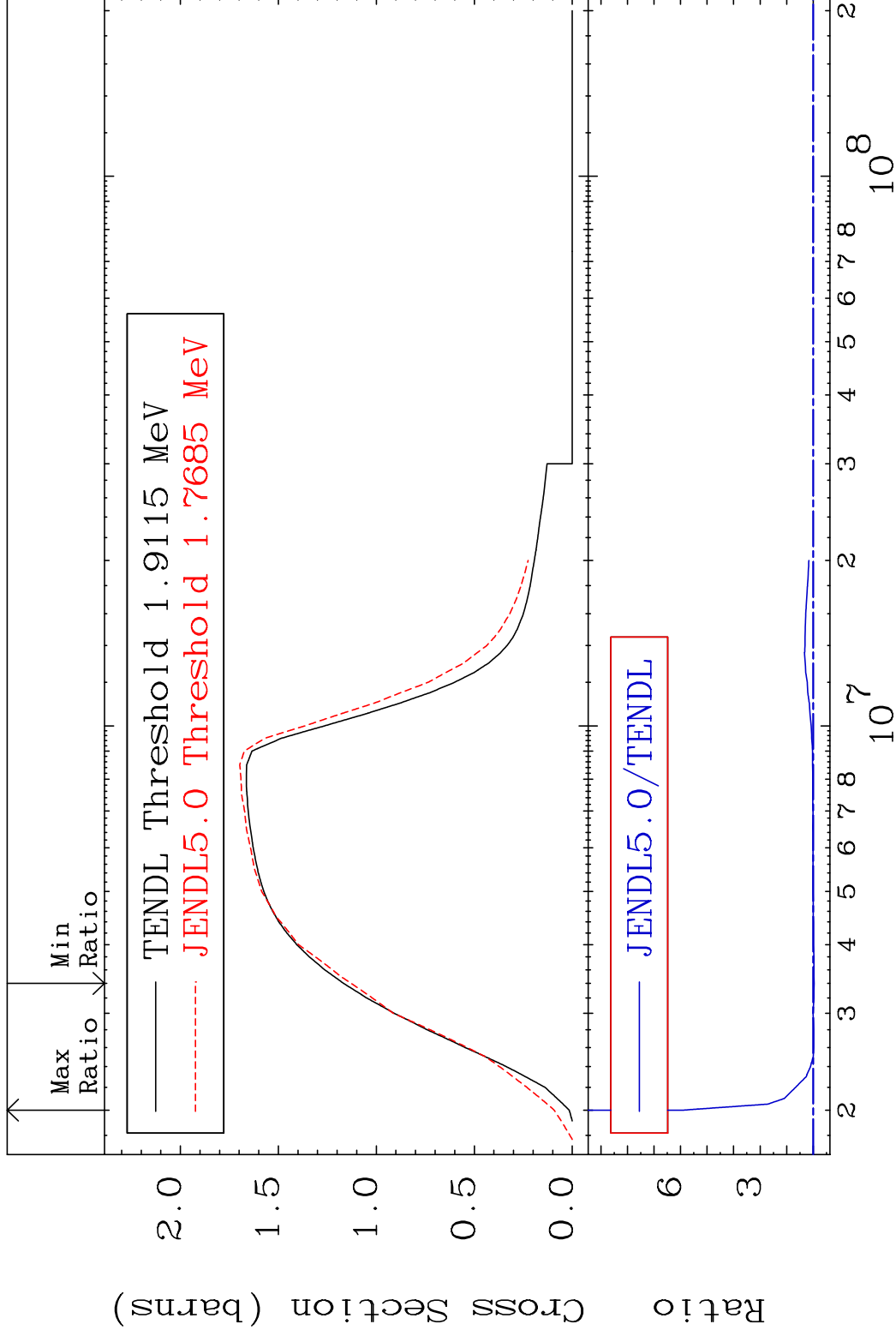


MAT 3728

(n, n') Continuum

37-Rb-86

Cross Section -3.373 To 488.1 %



36

Incident Energy (eV)

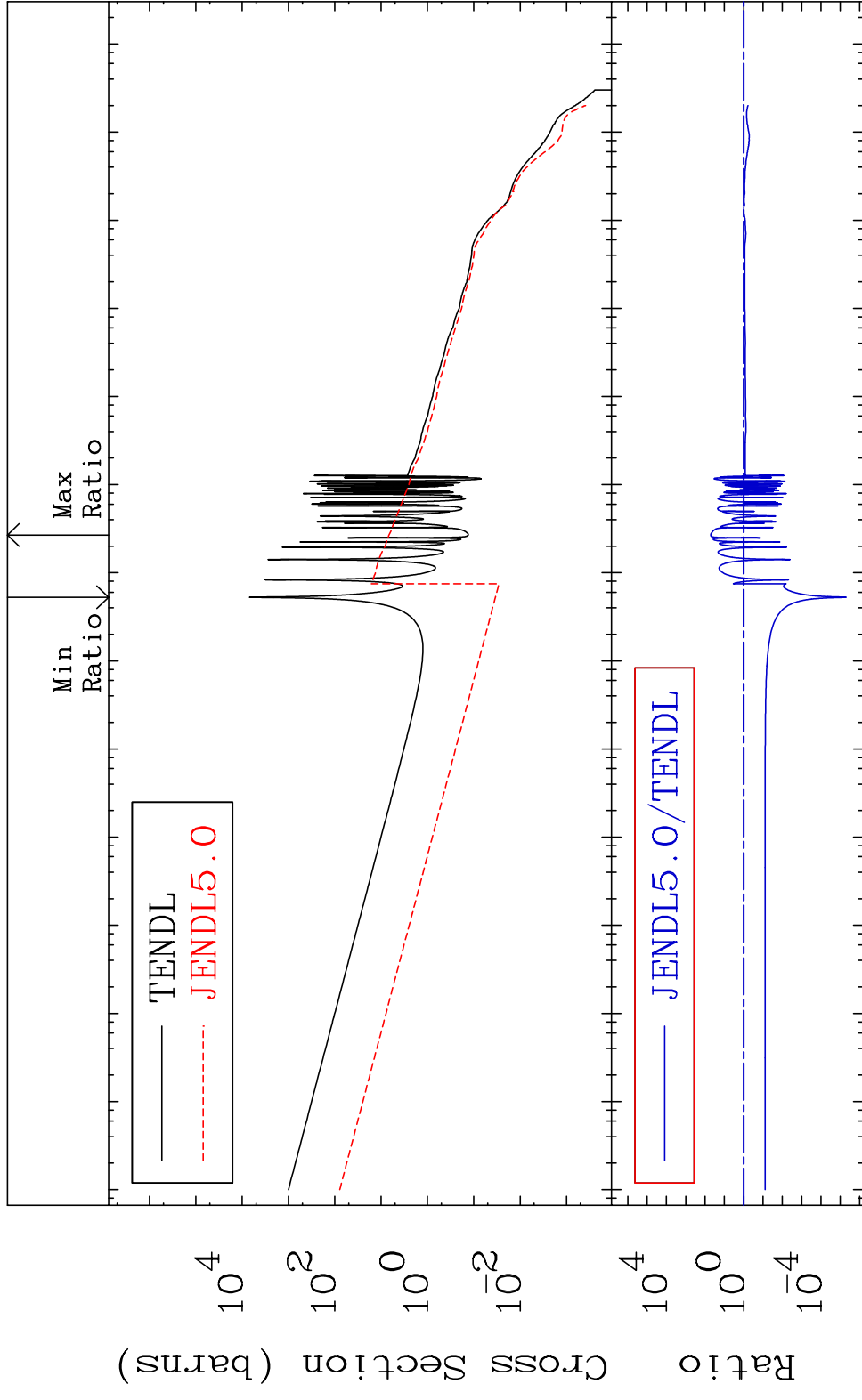
37-Rb-86

MAT 3728

37-Rb-86

(n,  $\gamma$ )

Cross Section -100.0 To 5005. %



37

Incident Energy (eV)

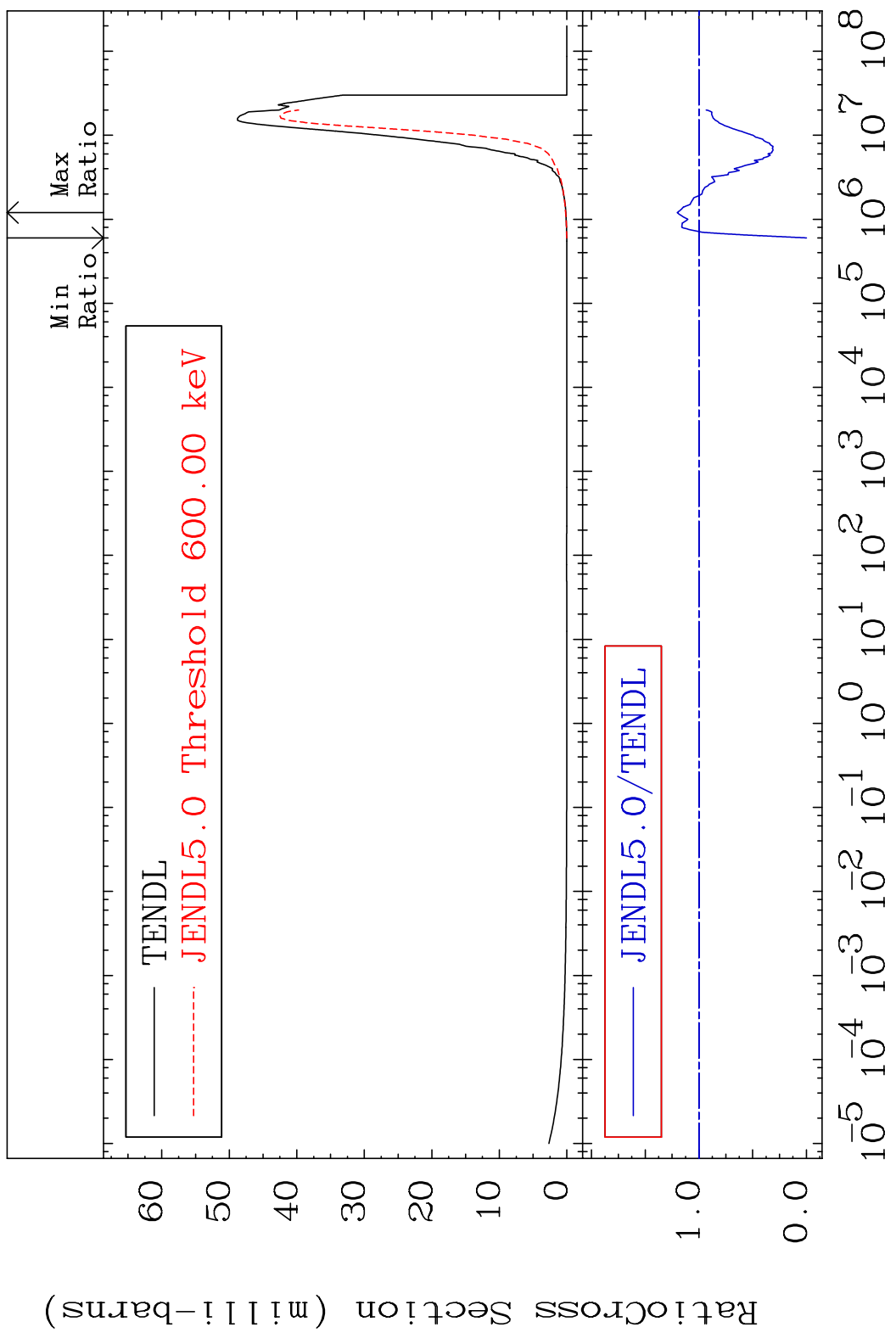
37-Rb-86

MAT 3728

(n, p)

37-Rb-86

Cross Section -100.0 To 20.25 %



38

Incident Energy (eV)

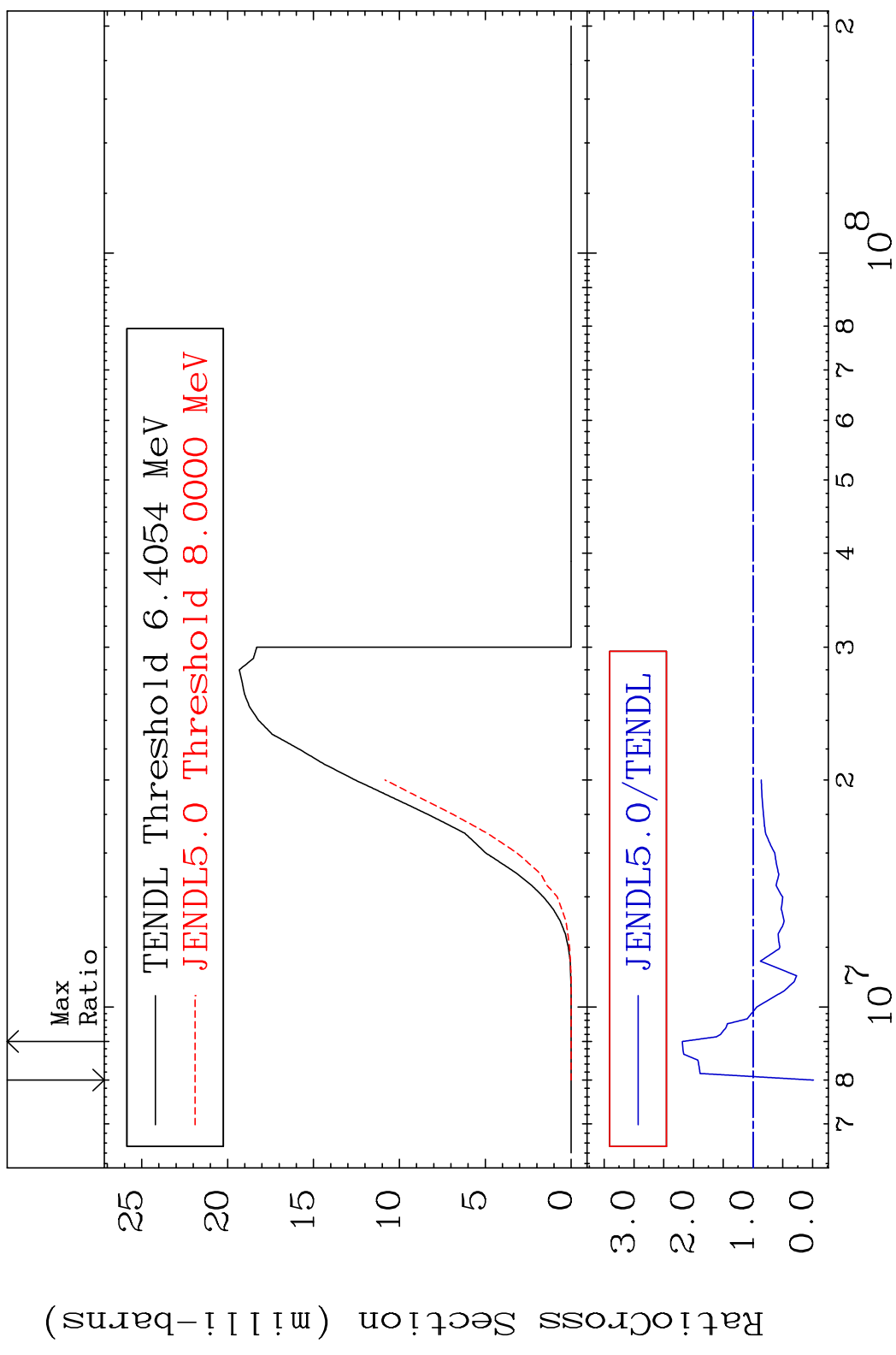
37-Rb-86

MAT 3728

(n, d)

37-Rb-86

Cross Section -100.0 To 118.7 %



39

Incident Energy (eV)

37-Rb-86

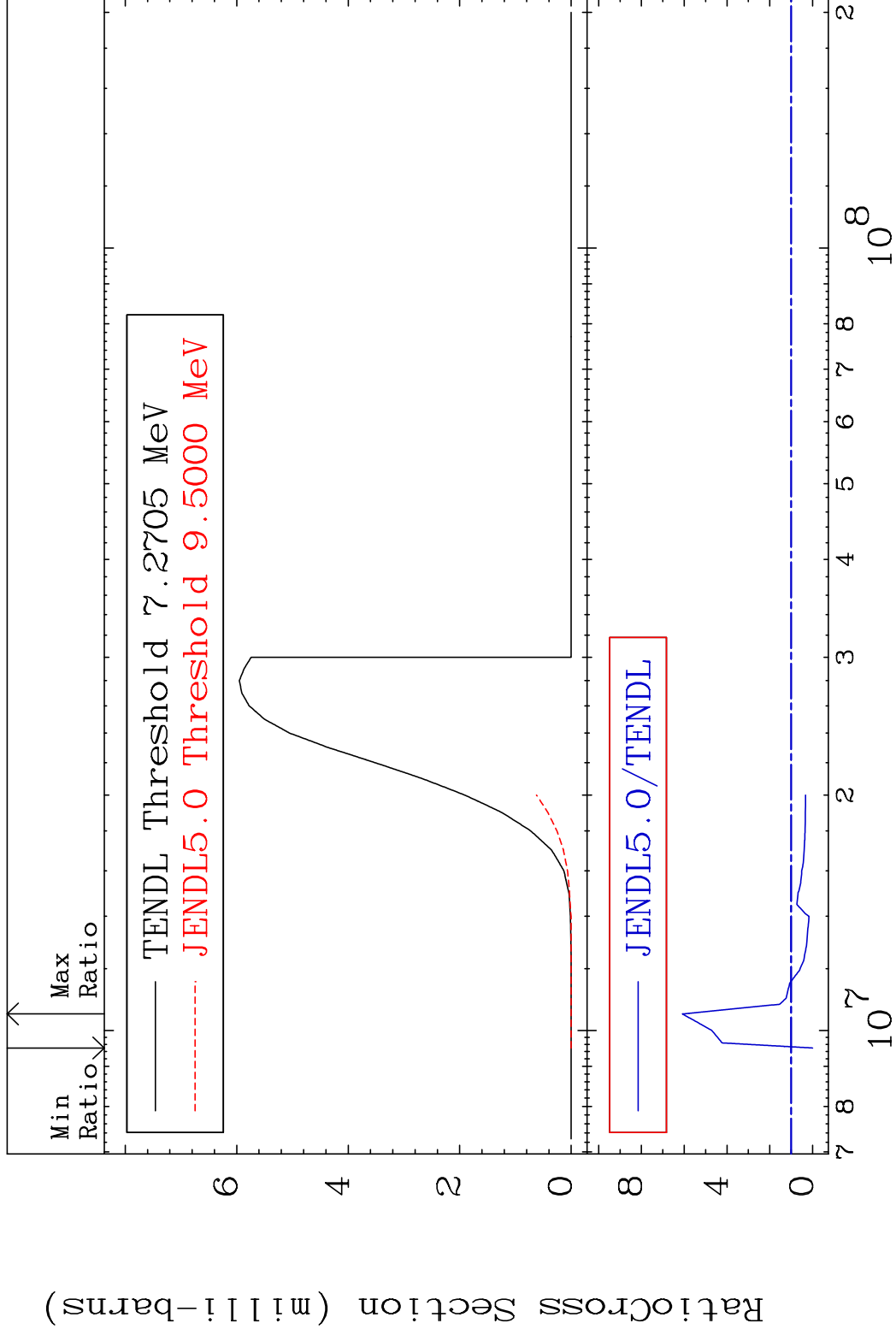


MAT 3728

(n, t)

37-Rb-86

Cross Section -100.0 To 508.7 %



40

Incident Energy (eV)

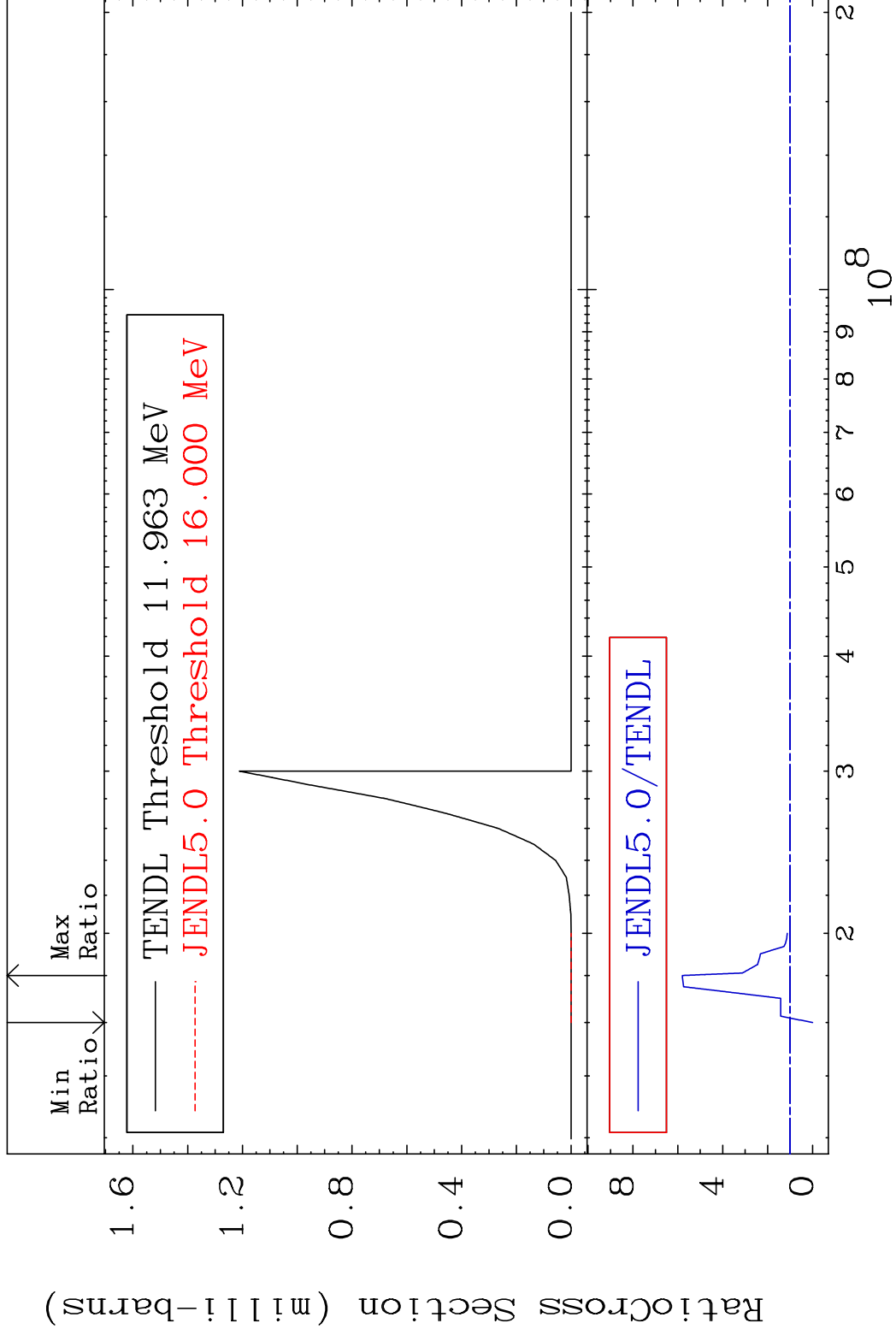
37-Rb-86

MAT 3728

(n, He-3)

37-Rb-86

Cross Section -100.0 To 479.9 %



41

Incident Energy (eV)

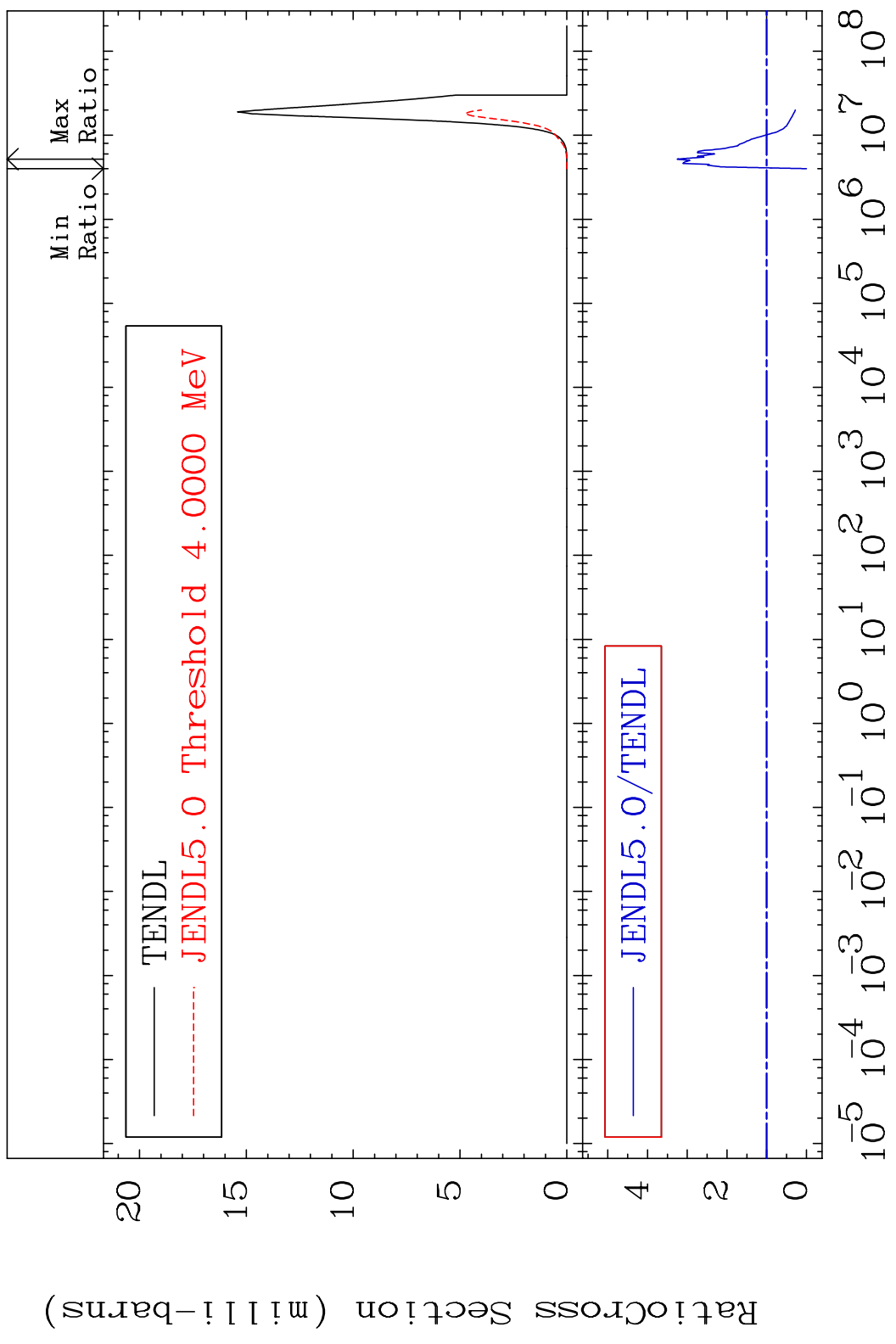
37-Rb-86

MAT 3728

(n,  $\alpha$ )

37-Rb-86

Cross Section -100.0 To 225.4 %

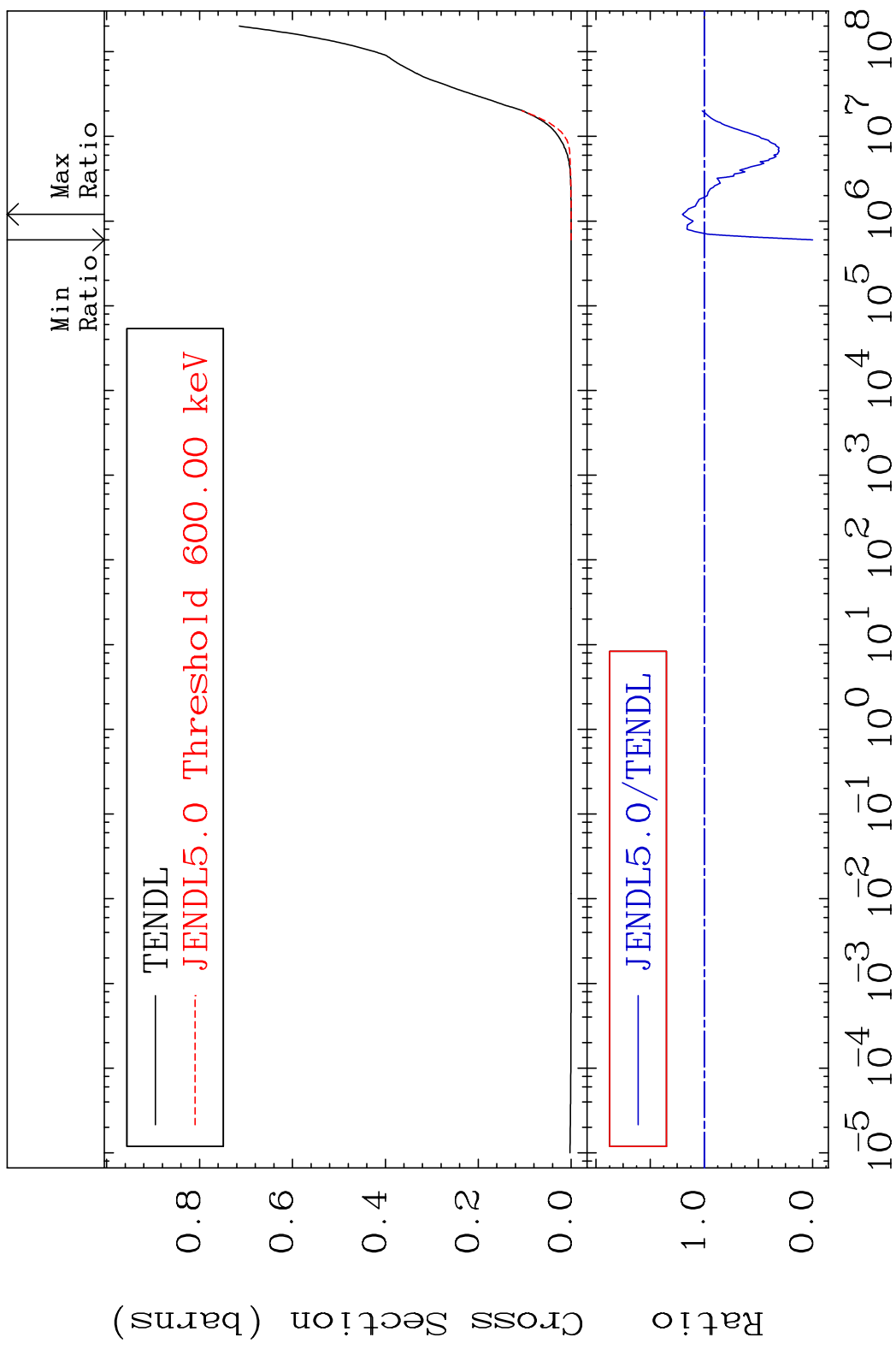


MAT 3728

Hydrogen Production

37-Rb-86

Cross Section -100.0 To 20.25 %



43

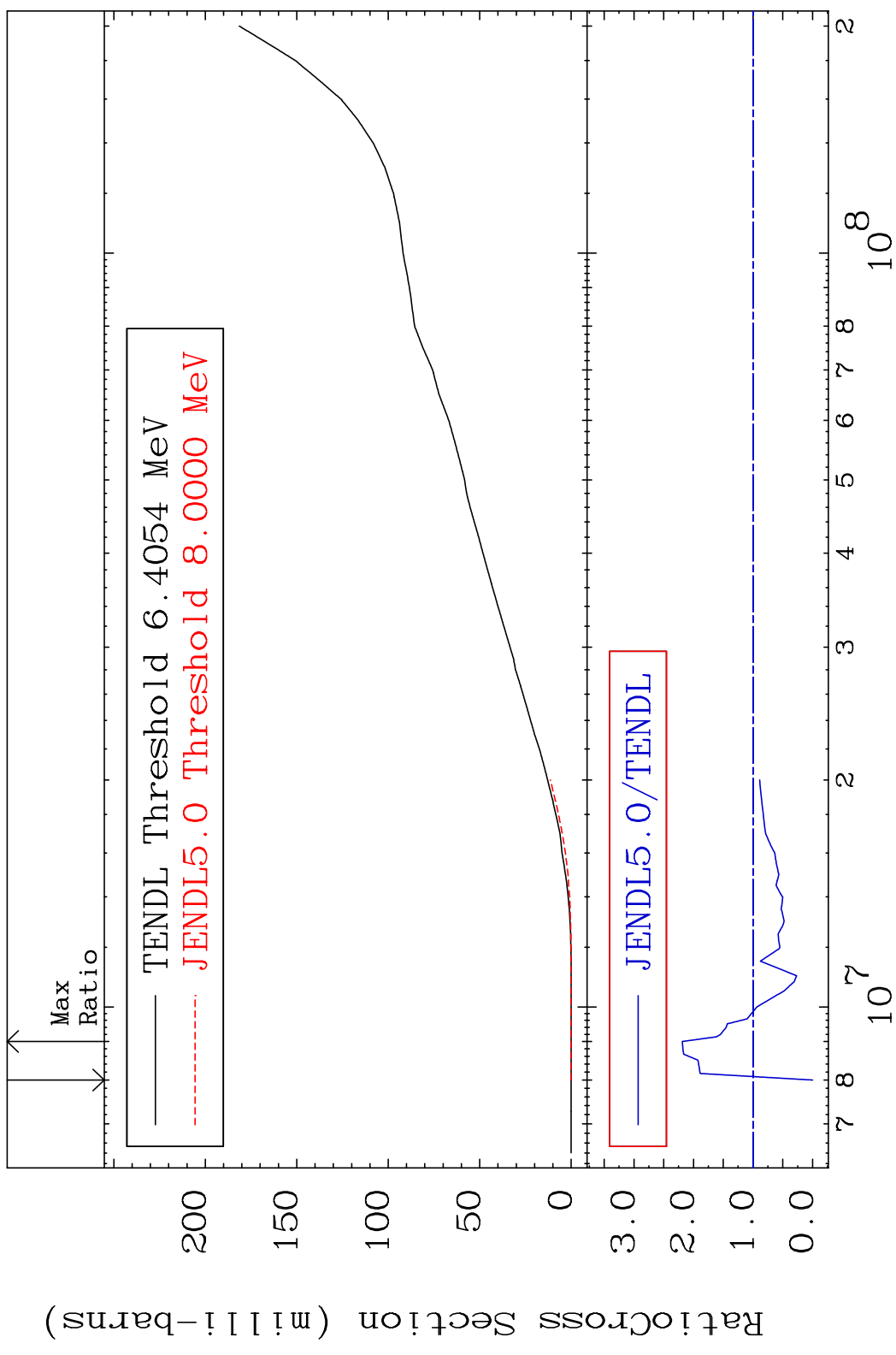
Incident Energy (eV)

37-Rb-86

MAT 3728

Deuterium Production 37-Rb-86

Cross Section -100.0 To 118.7 %



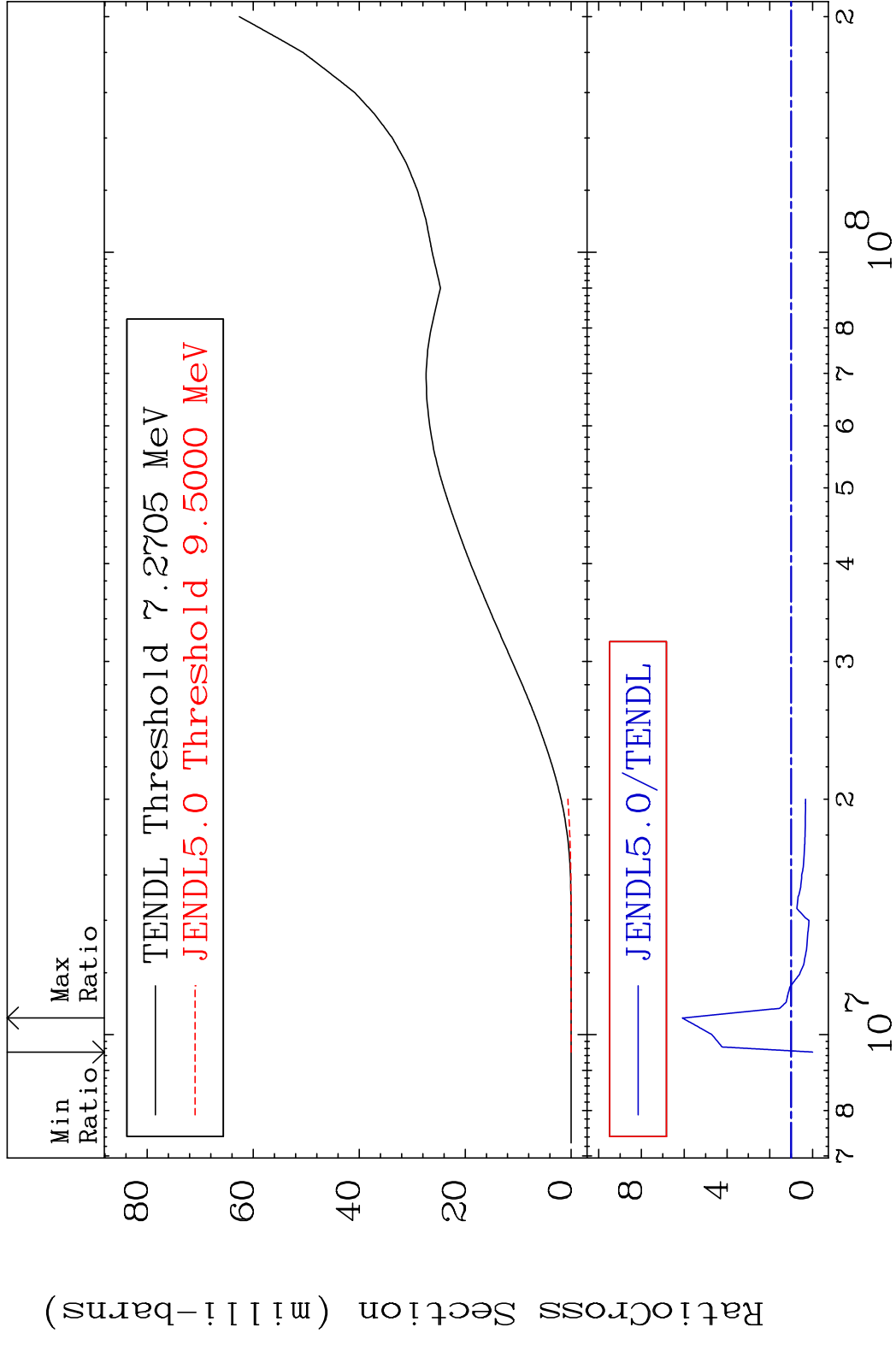
44

Incident Energy (eV)

37-Rb-86

MAT 3728

Tritium Production 37-Rb-86  
Cross Section -100.0 To 508.7 %

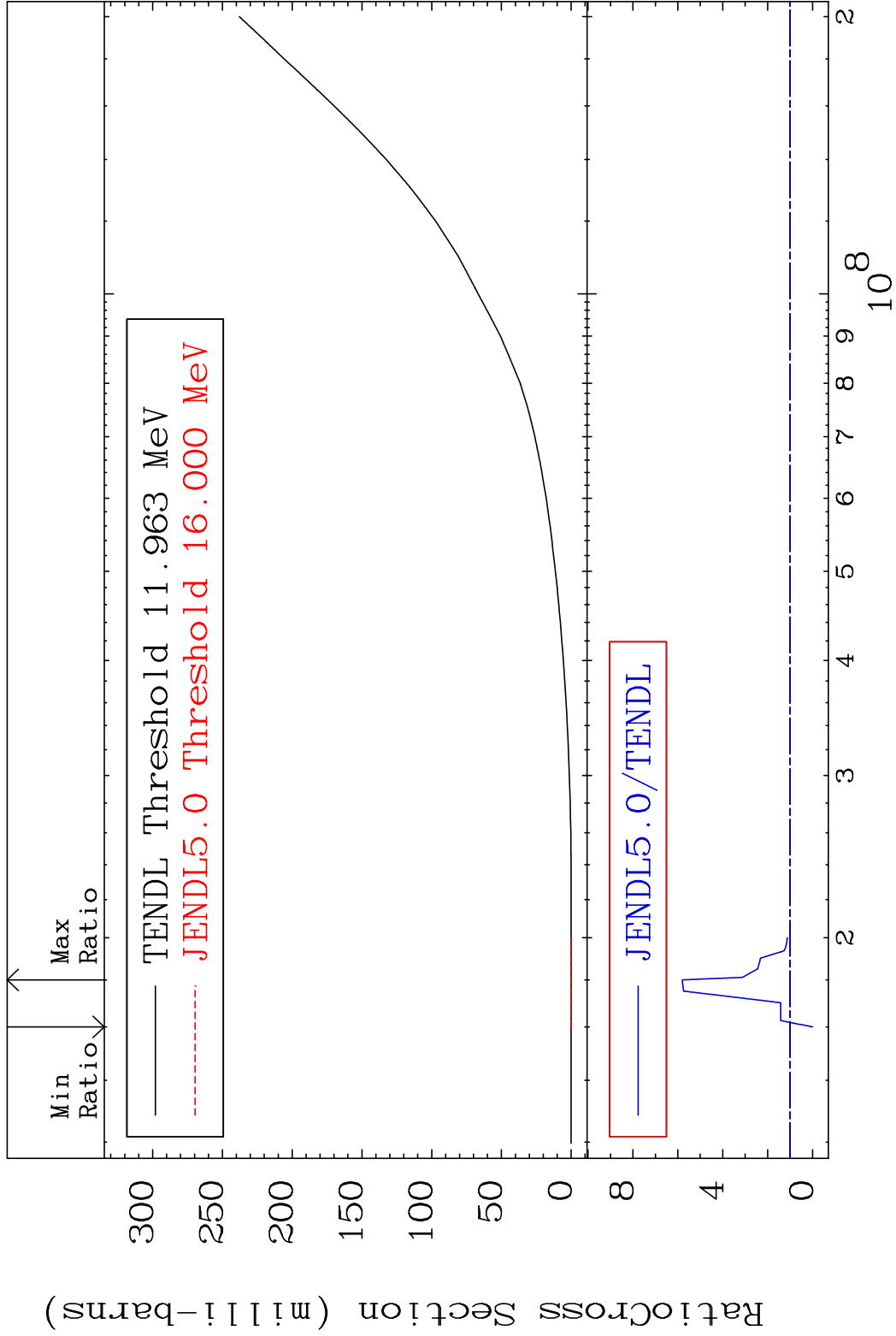


45

Incident Energy (eV)

37-Rb-86

Cross Section -100.0 To 479.9 %

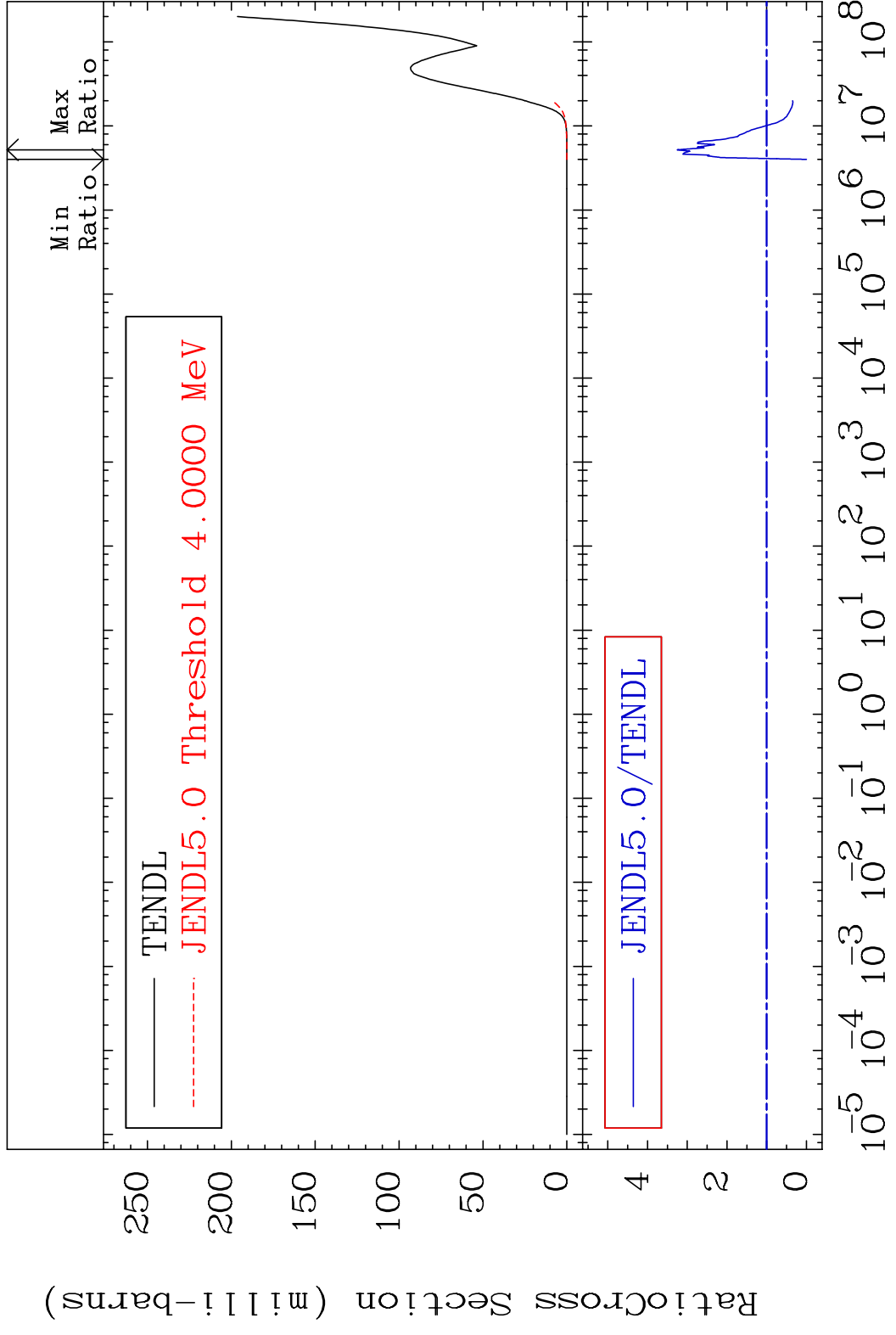


MAT 3728

He-4 Production

37-Rb-86

Cross Section -100.0 To 225.4 %



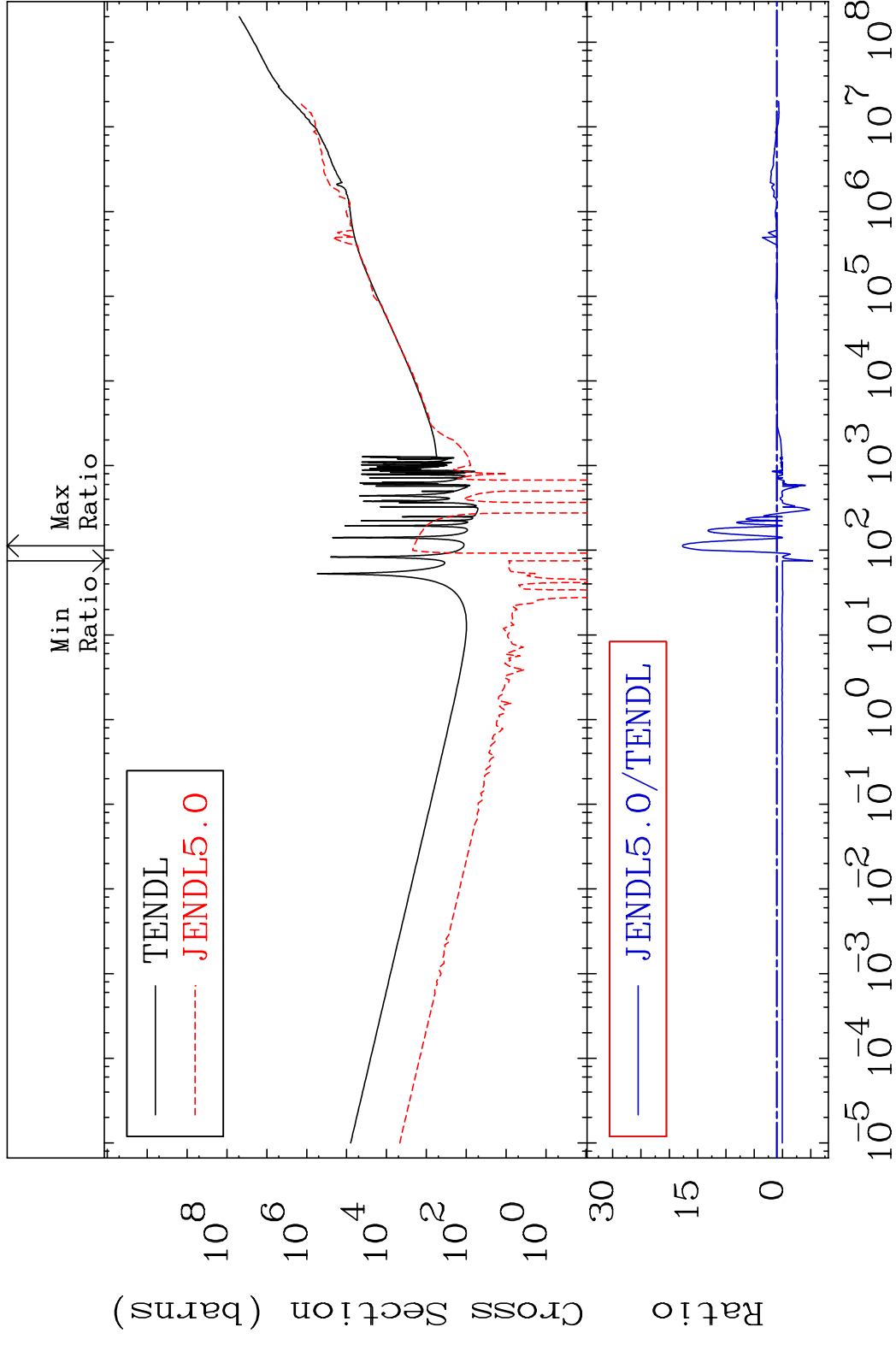
47

Incident Energy (eV)

37-Rb-86



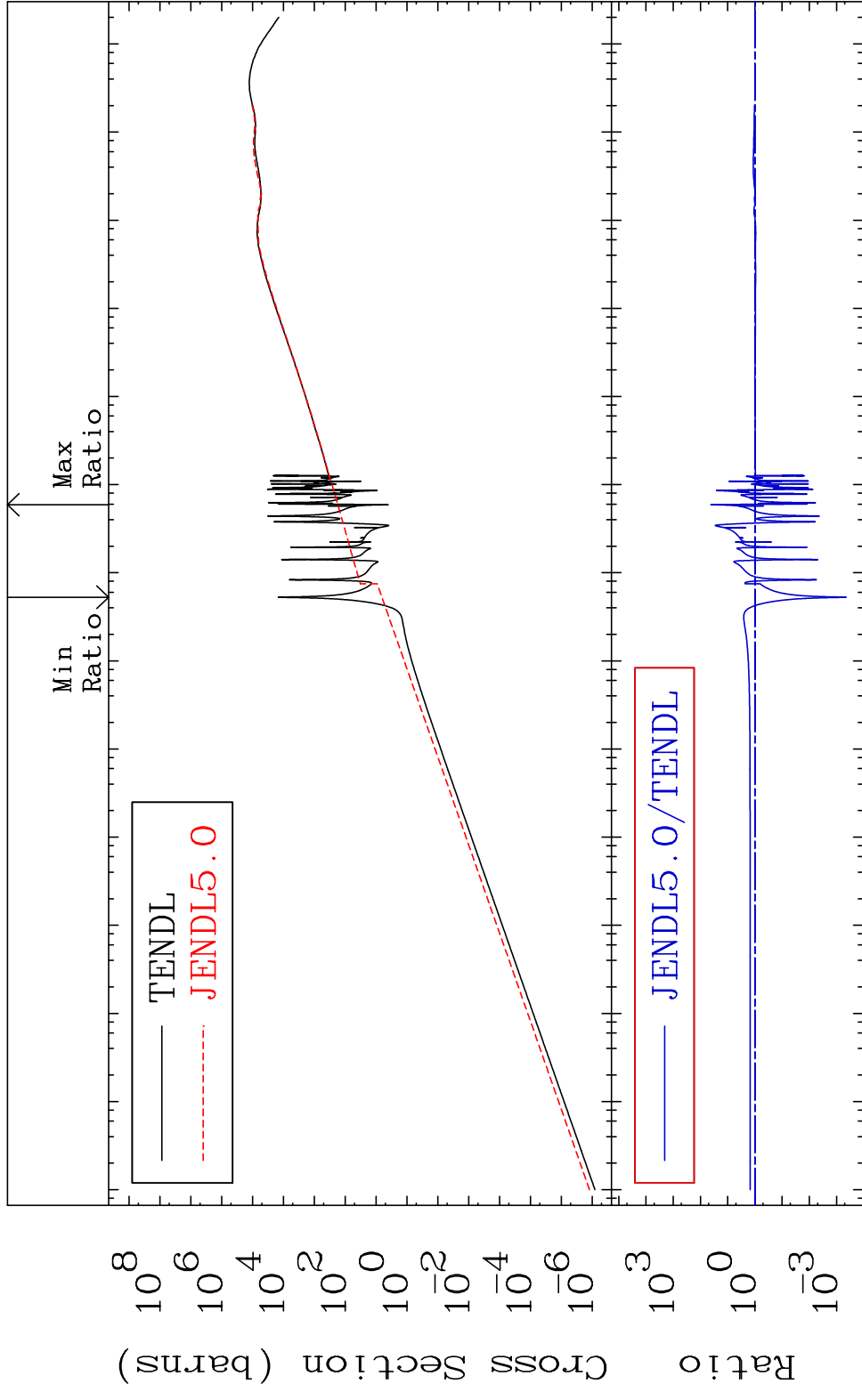
MAT 3728 Kerma total (eV-barns) 37-Rb-86  
 Cross Section -630.1 To 1669. %



48 Incident Energy (eV) 37-Rb-86

MAT 3728

Kerma elastic Cross Section -99.96 To 4093. %  
37-Rb-86

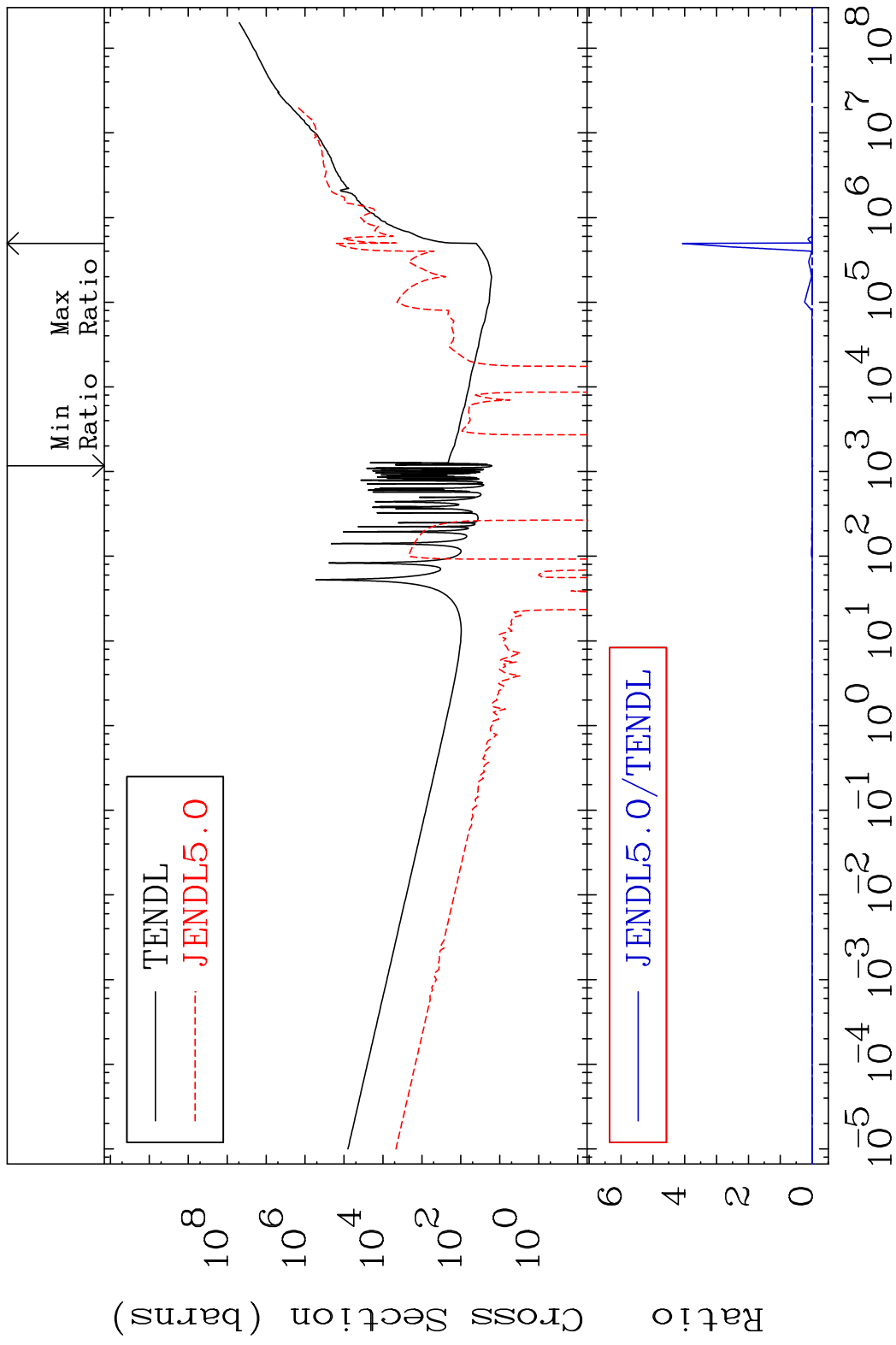


49

Incident Energy (eV)

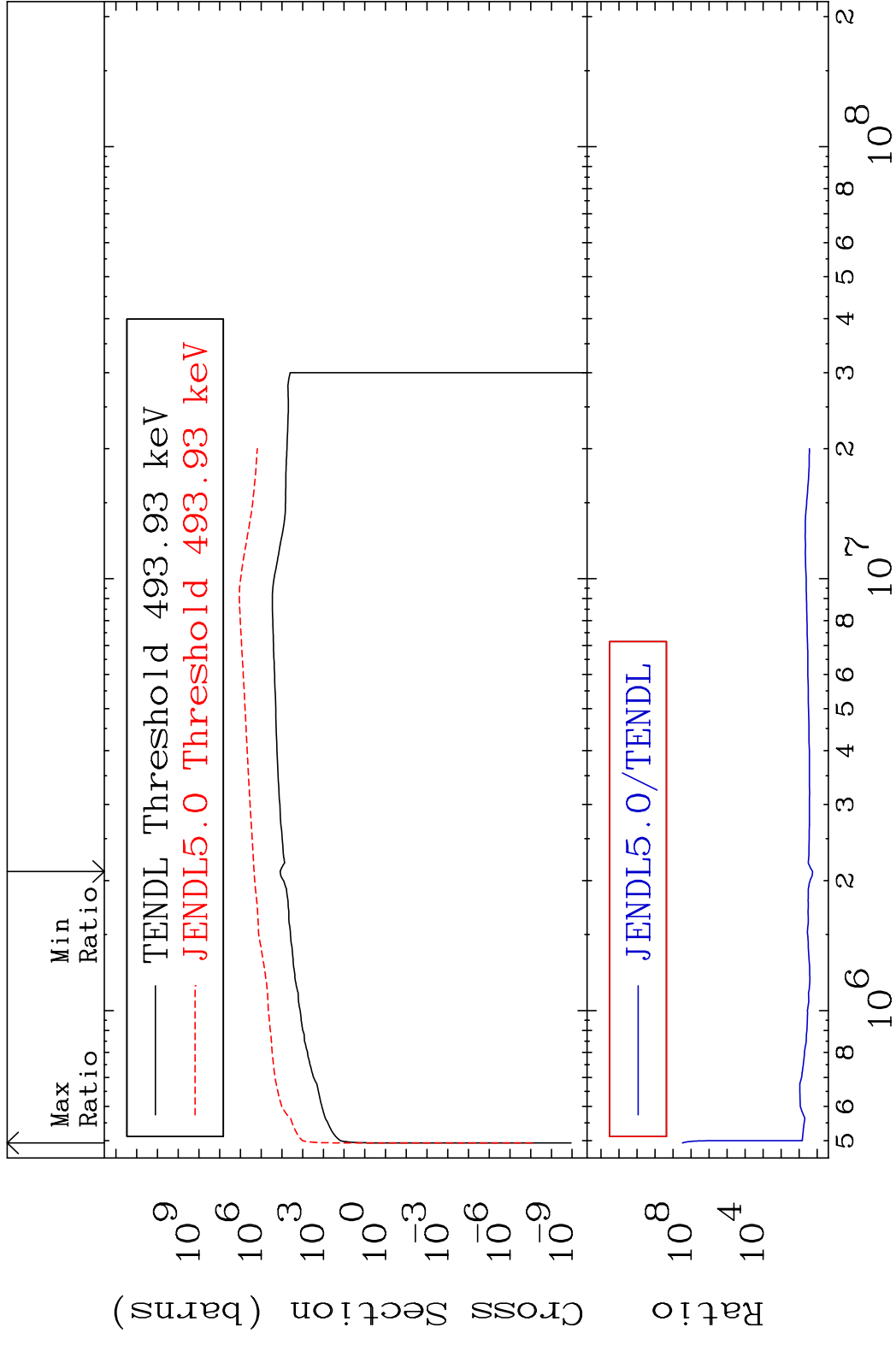
37-Rb-86

MAT 3728 Kerma non-elastic (all but mt2) 37-Rb-86  
 Cross Section -1461. To 9999. %

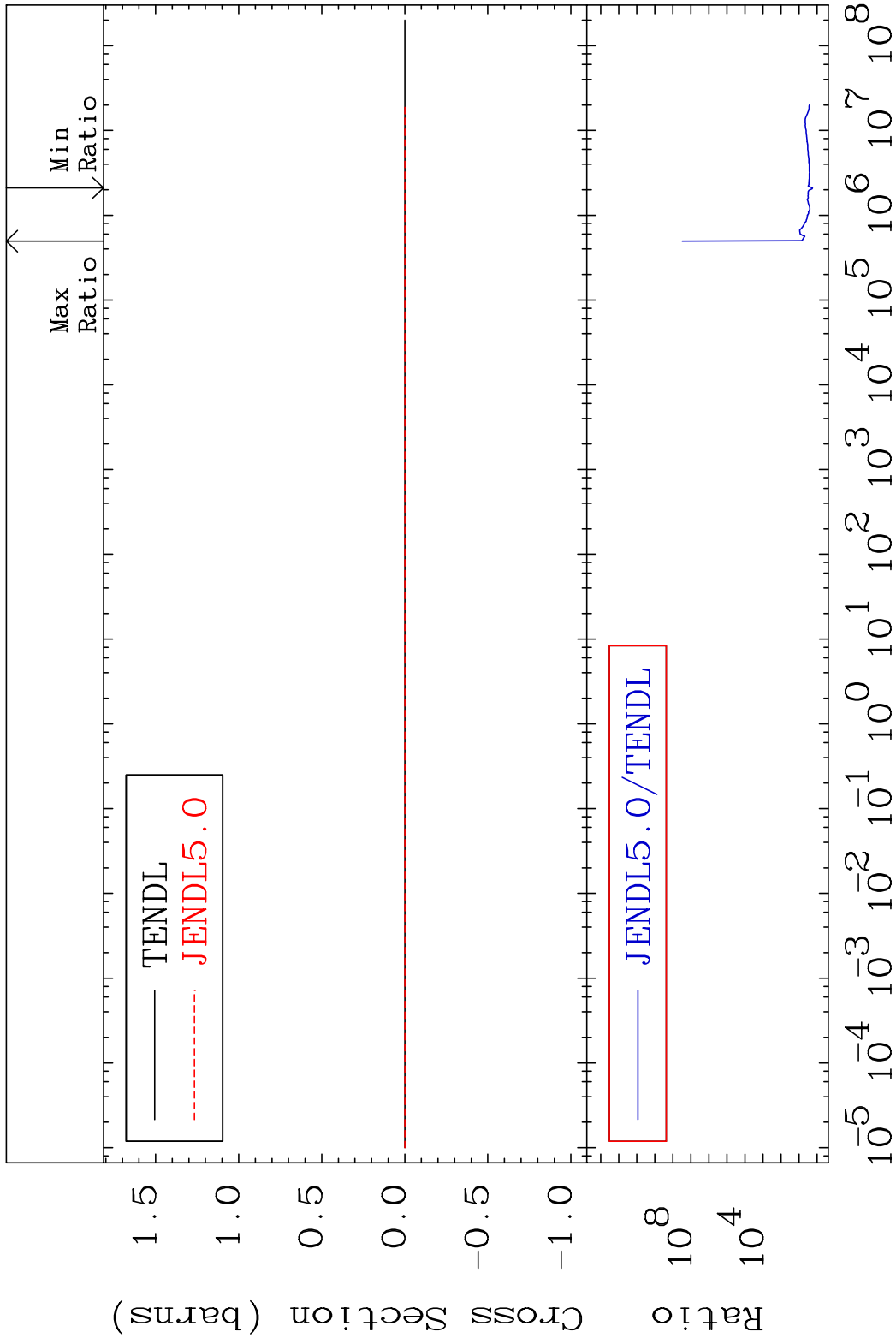


50 Incident Energy (eV) 37-Rb-86

MAT 3728 Kerma inelastic (mt51-91) 37-Rb-86  
 Cross Section 1705. To 9999. %

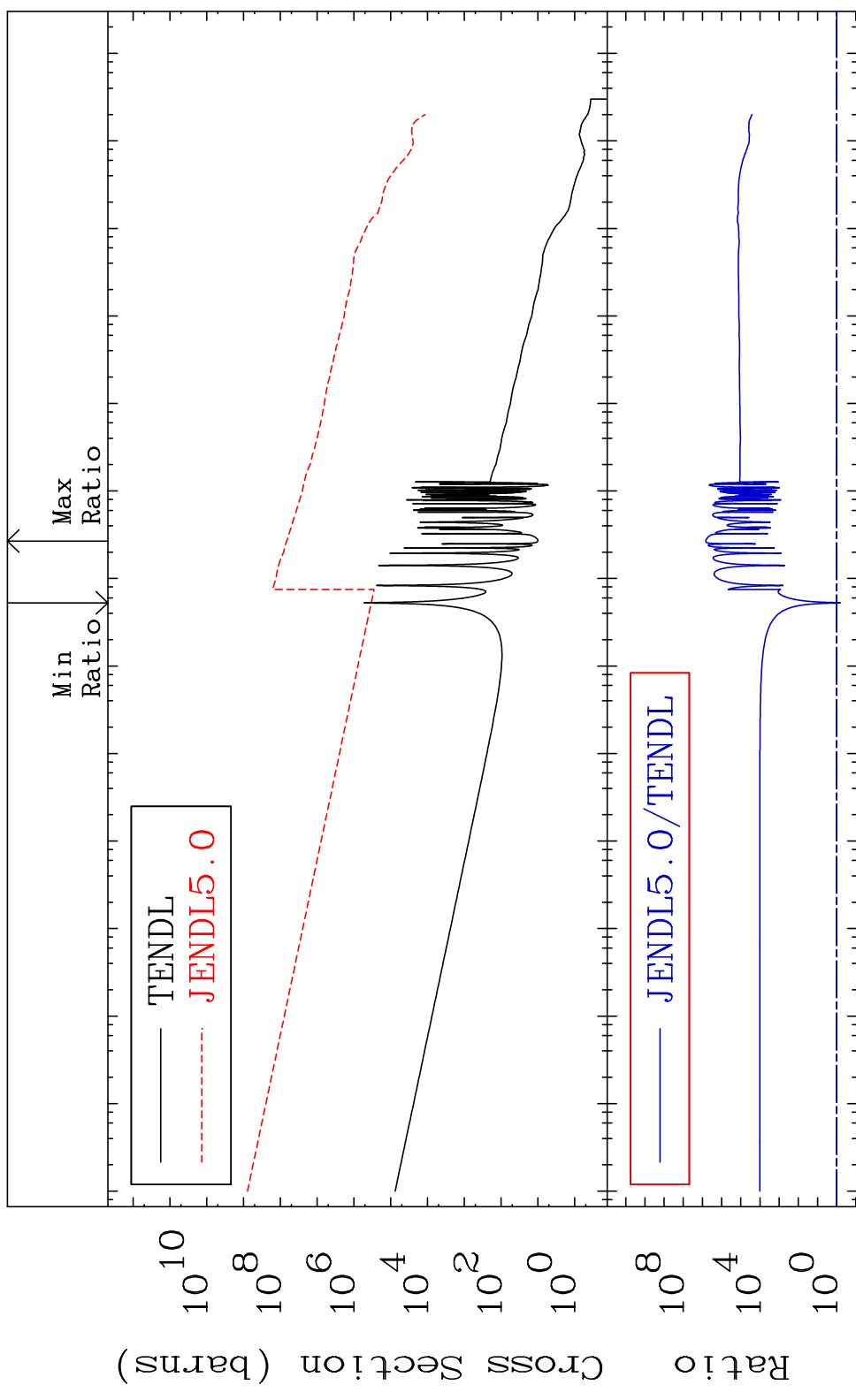


MAT 3728 Kerma fission (mt18 or mt19-20-21-38) 37-Rb-86  
 Cross Section 1705. To 9999. %



MAT 3728

Kerma capture (mt102) 37-Rb-86  
Cross Section -36.10 To 9999. %

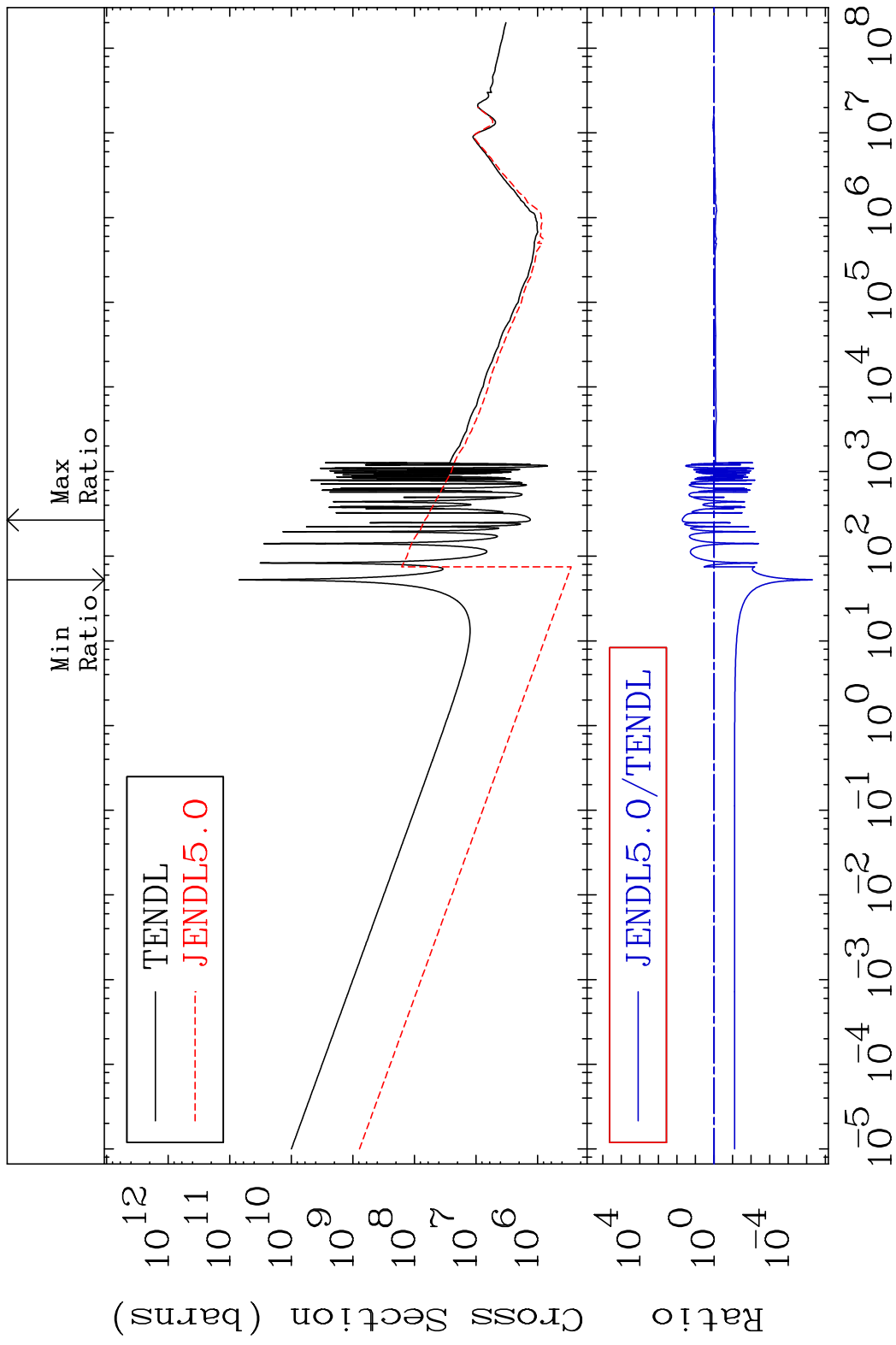


53

Incident Energy (eV)

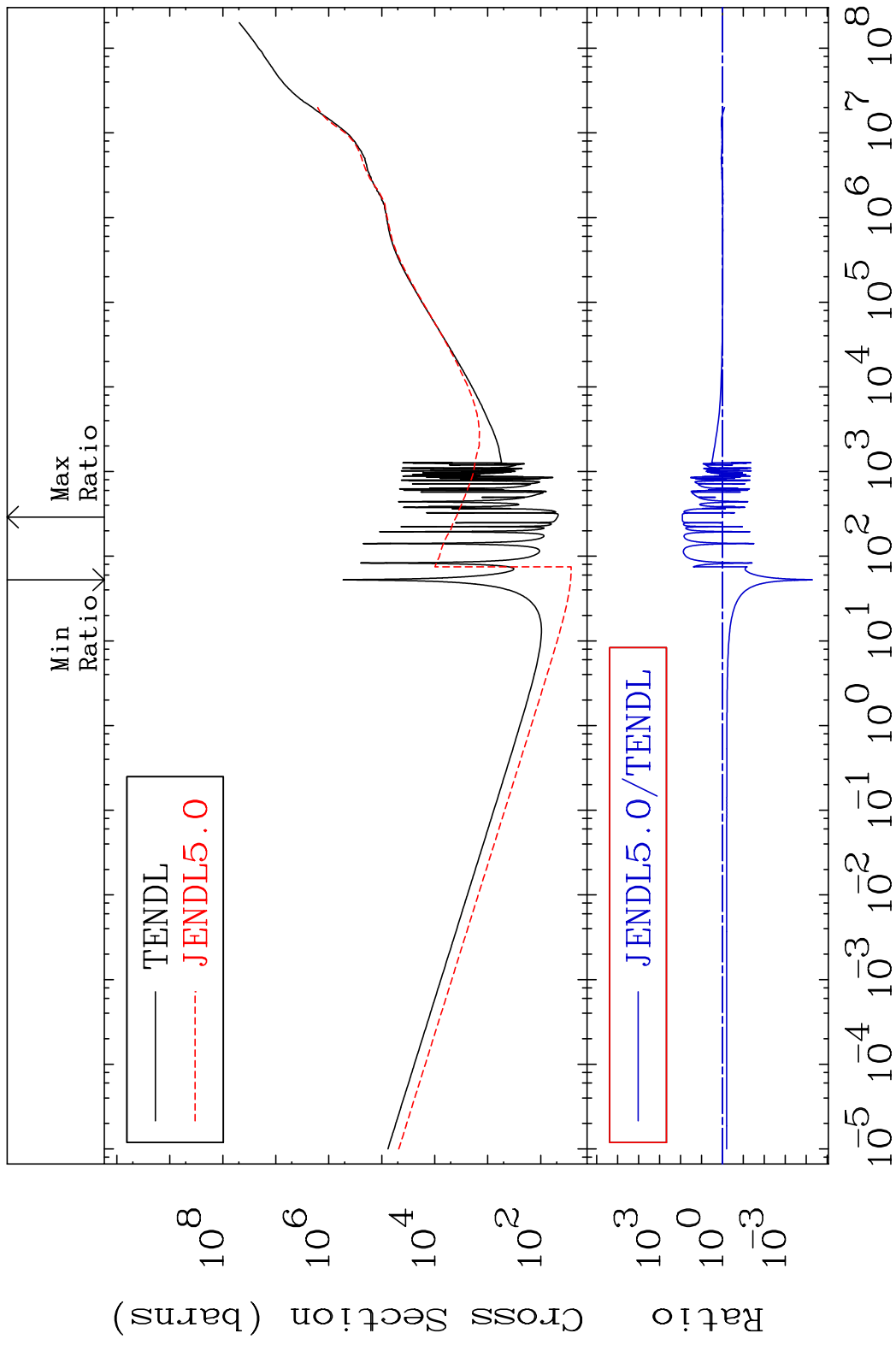
37-Rb-86

MAT 3728 Total photon (eV-barns) 37-Rb-86  
 Cross Section -100.0 To 5005. %



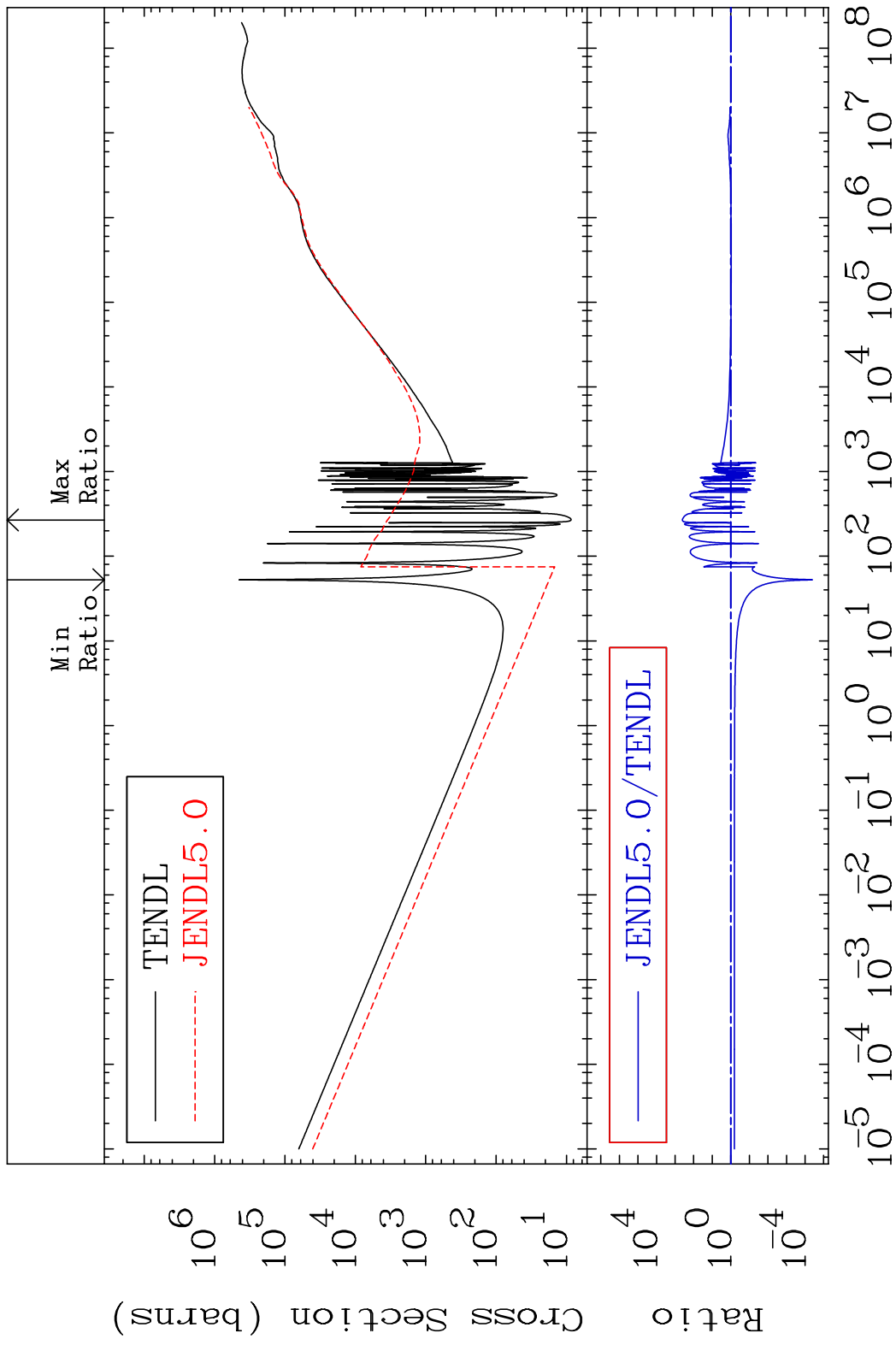
54 Incident Energy (eV) 37-Rb-86

MAT 3728 Total kinematic kerma (high limit) 37-Rb-86  
 Cross Section -100.0 To 8066. %





MAT 3728 Dpa total (eV-barns) 37-Rb-86  
 Cross Section -100.0 To 9999. %

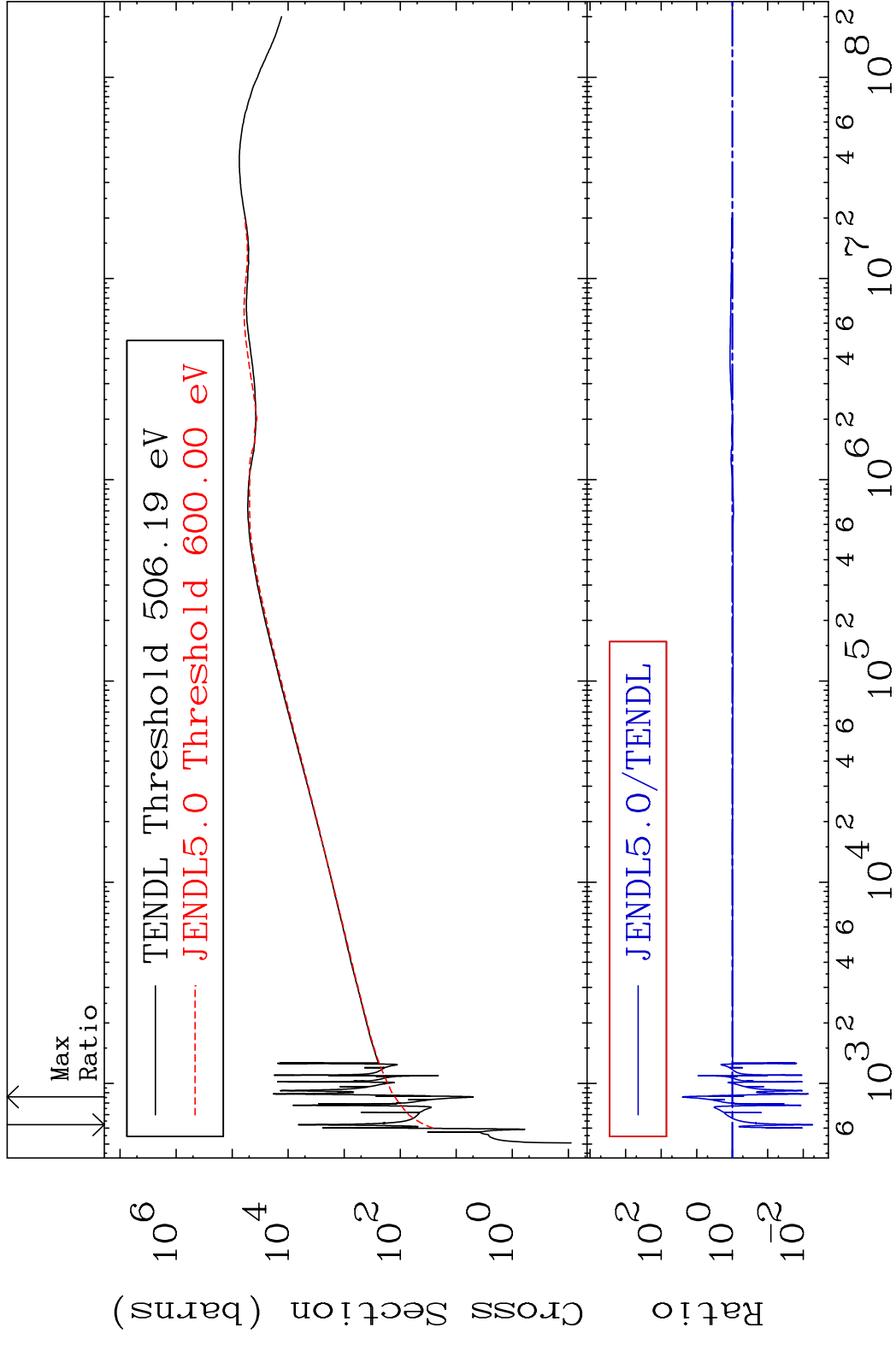


MAT 3728

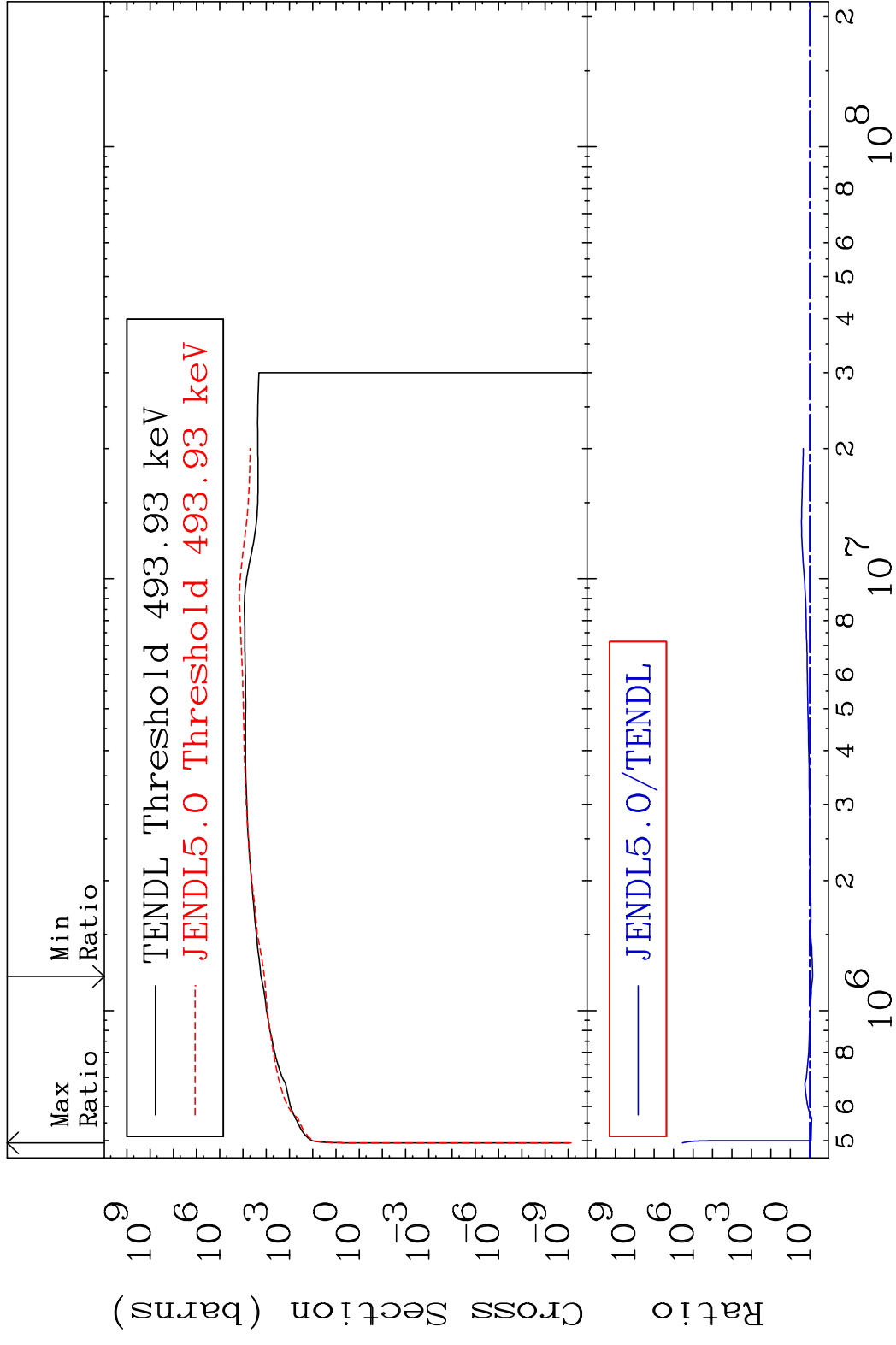
Dpa elastic (mt2)

37-Rb-86

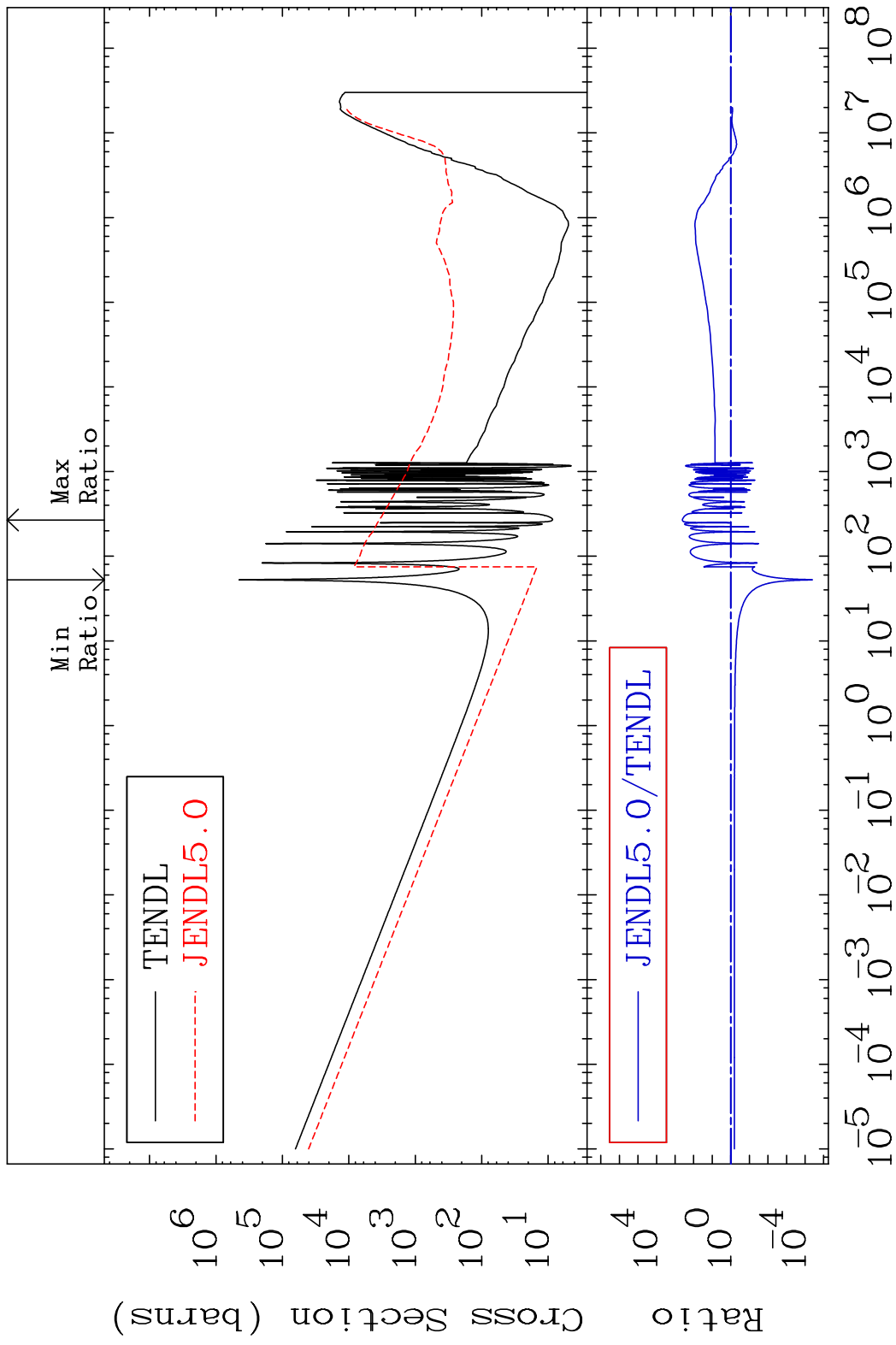
Cross Section -99.45 To 2432. %



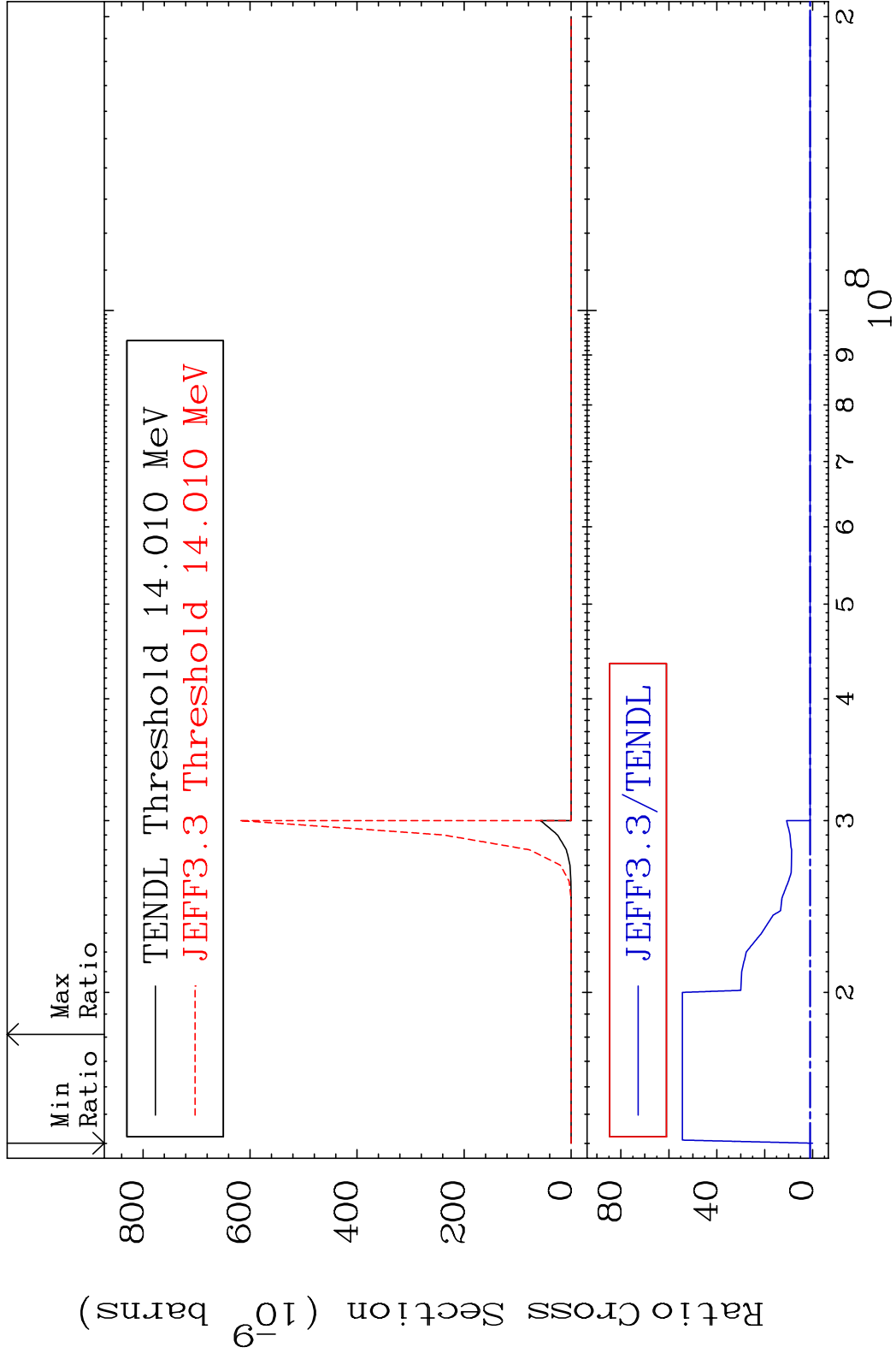
MAT 3728 Dpa inelastic (mt51-91) 37-Rb-86  
 Cross Section -28.21 To 9999. %



MAT 3728 Dpa disappearance (mt102 -120) 37-Rb-86  
 Cross Section -100.0 To 9999. %



MAT 3728 (n,d)  $\alpha$  37-Rb-86  
 Cross Section -100.0 To 5335. %



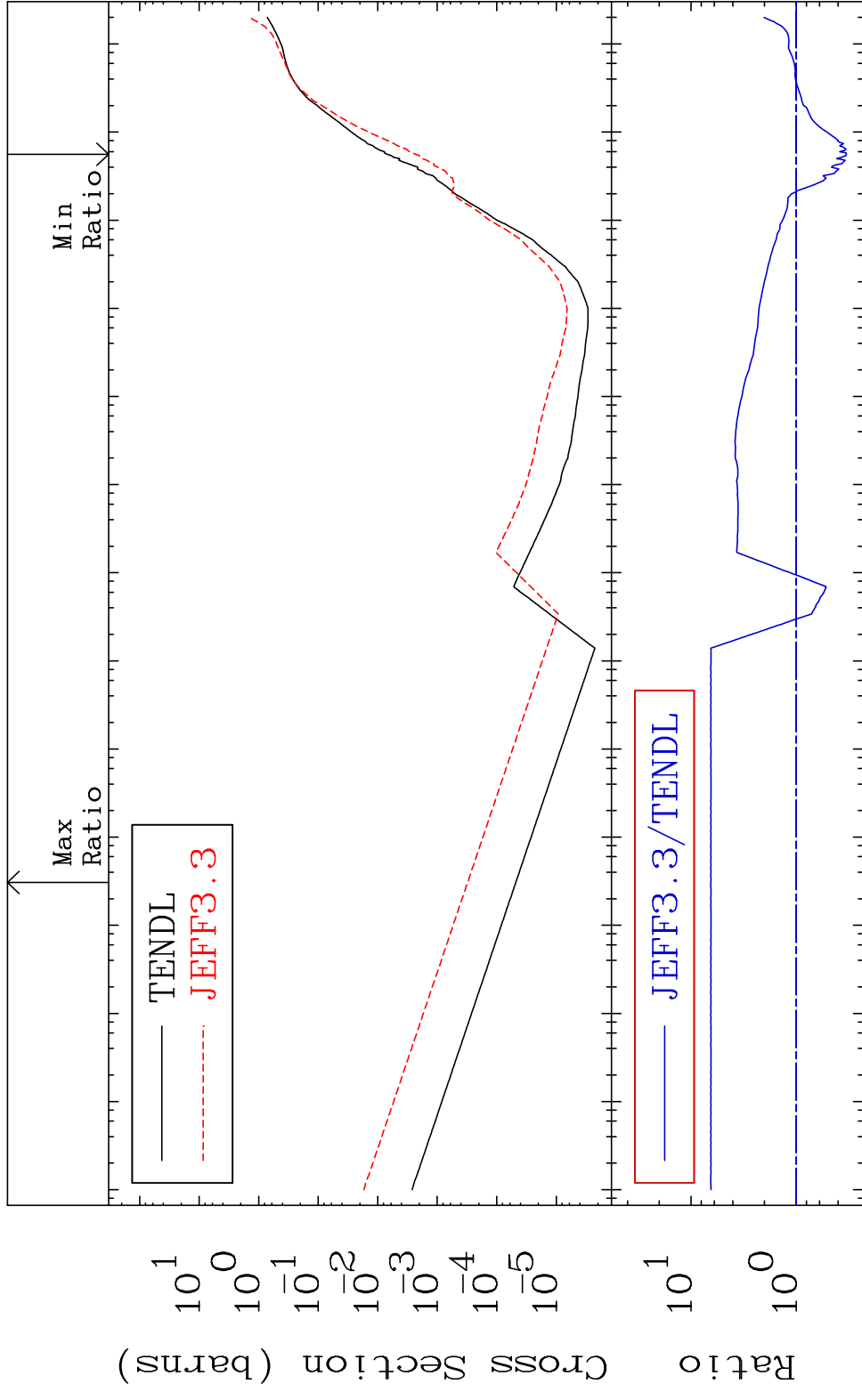
MAT 3728

Hydrogen Production

37-Rb-86

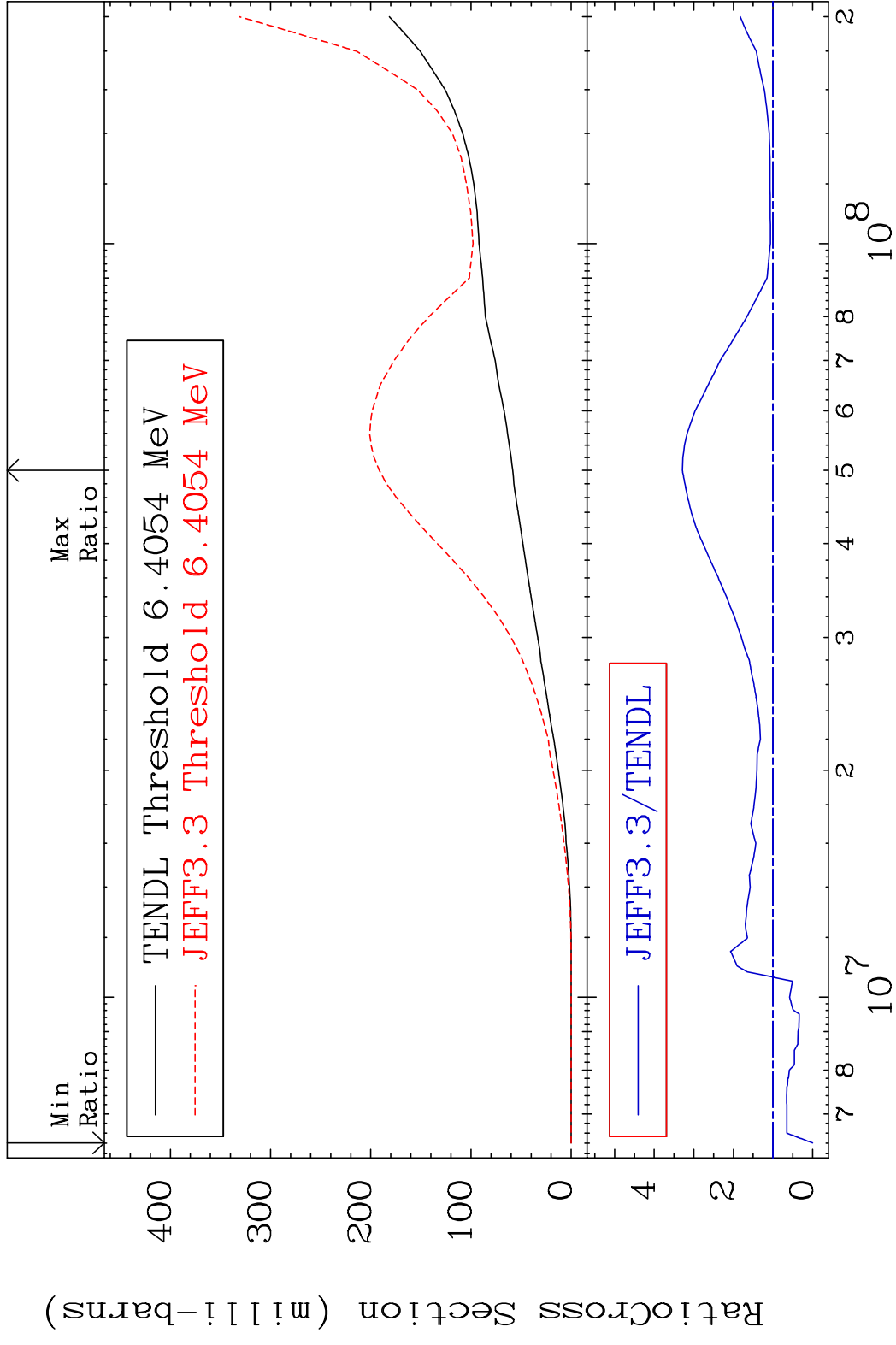
Cross Section

-66.62 To 548.7 %



MAT 3728

Deuterium Production 37-Rb-86  
Cross Section -100.0 To 228.9 %

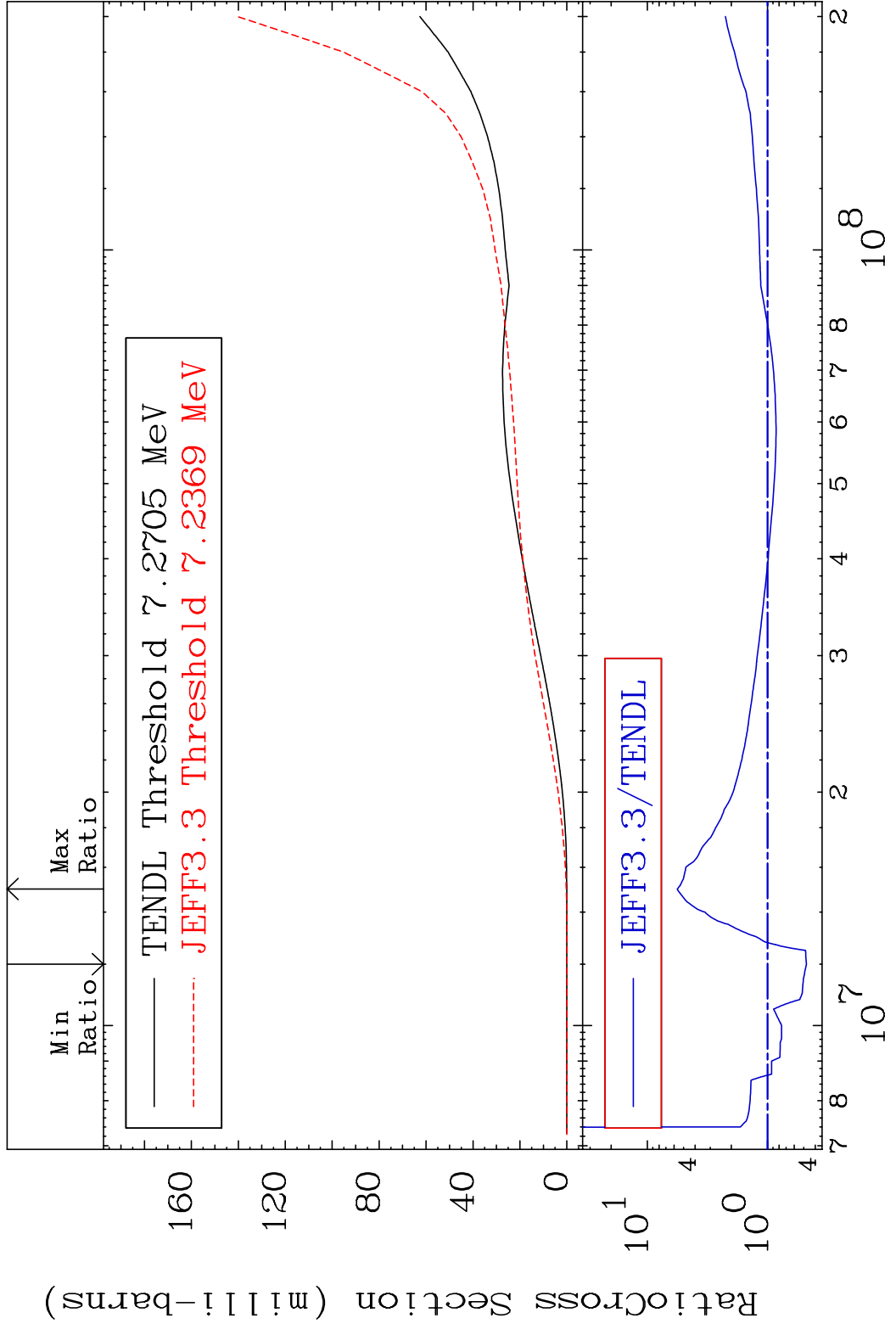


62

Incident Energy (eV) 37-Rb-86

MAT 3728

Tritium Production 37-Rb-86  
Cross Section -52.55 To 464.7 %

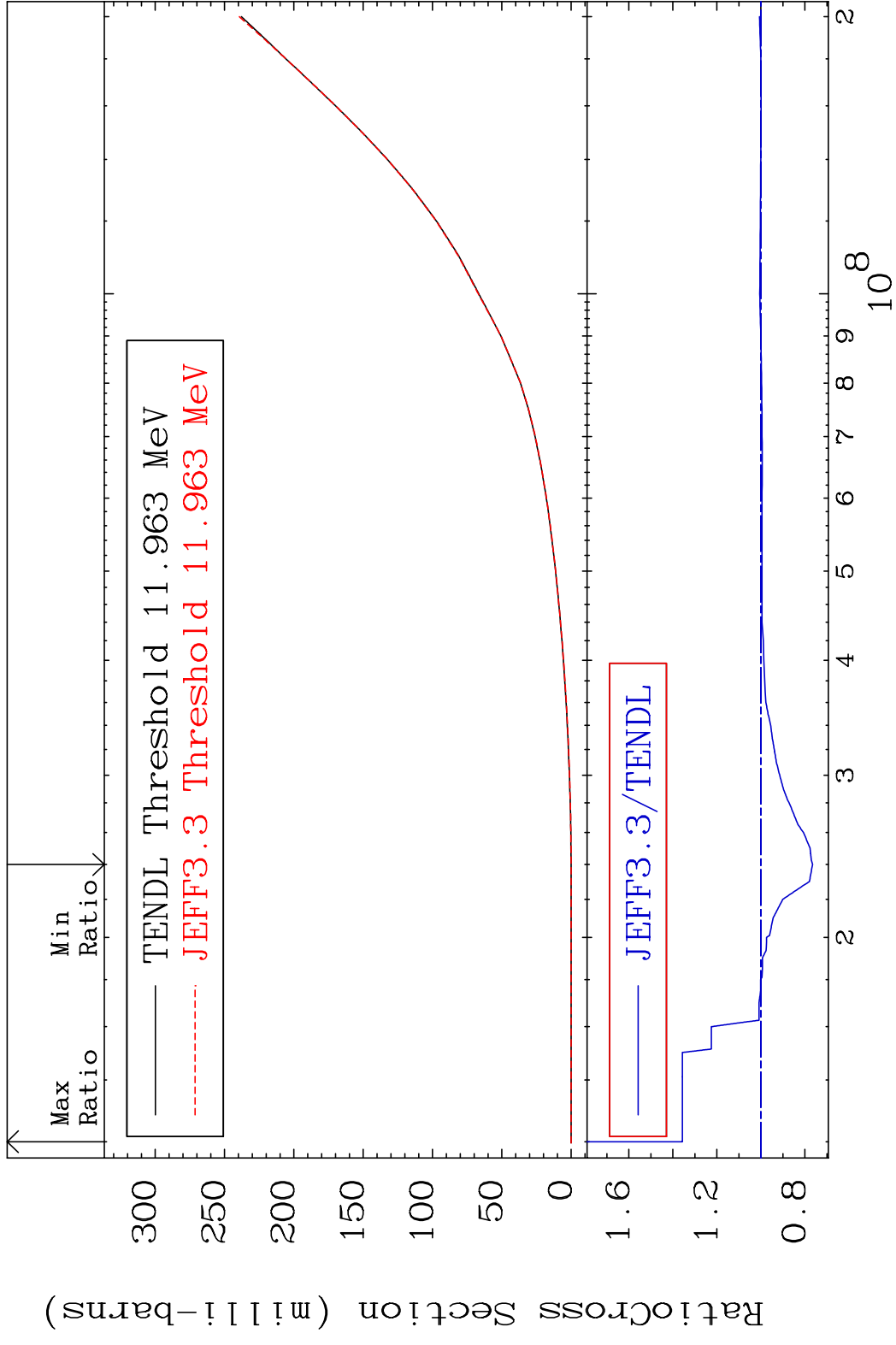


63

Incident Energy (eV) 37-Rb-86



Cross Section -23.47 To 35.70 %

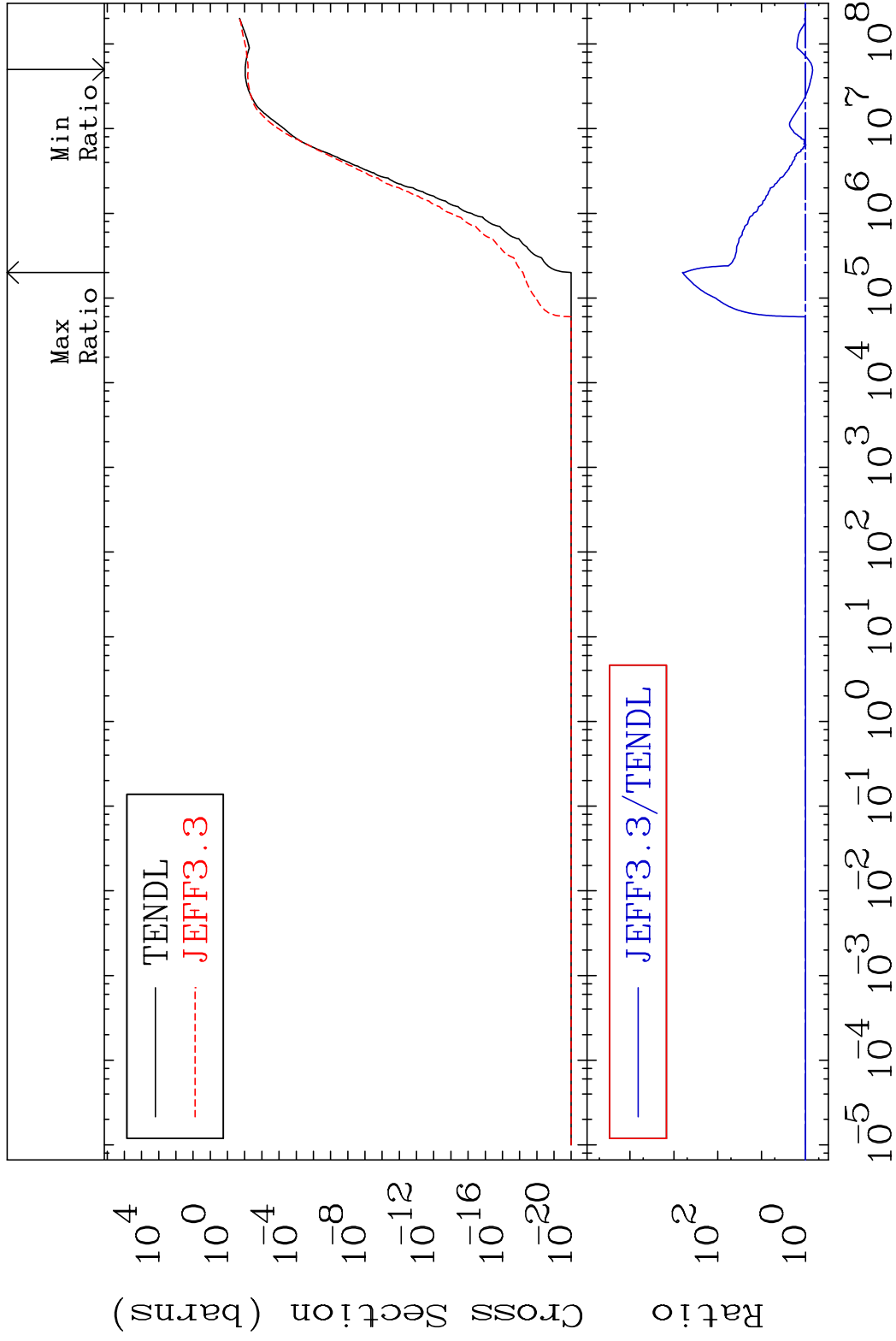


MAT 3728

He-4 Production

37-Rb-86

Cross Section -31.06 To 9999. %

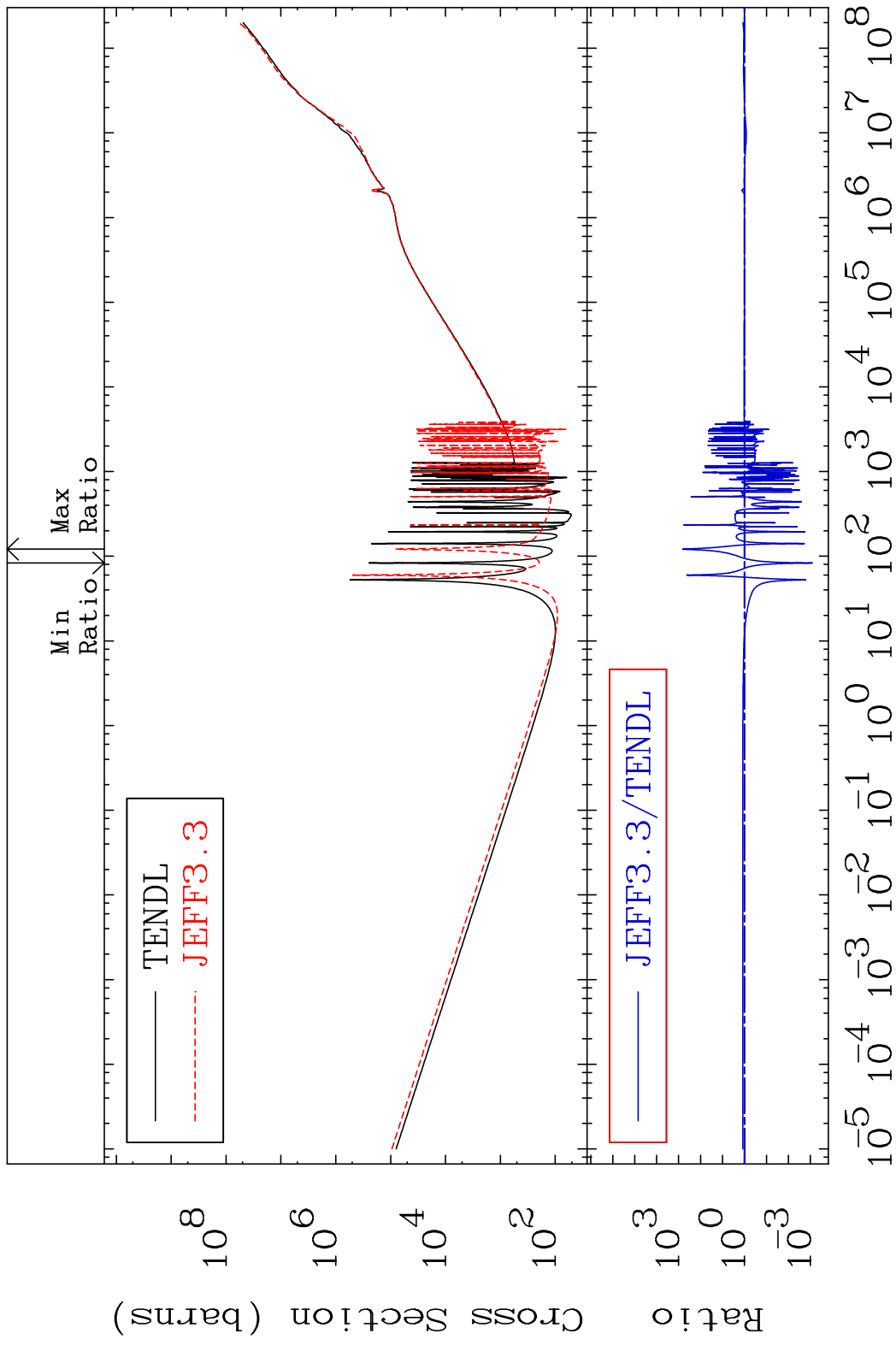


65

Incident Energy (eV)

37-Rb-86

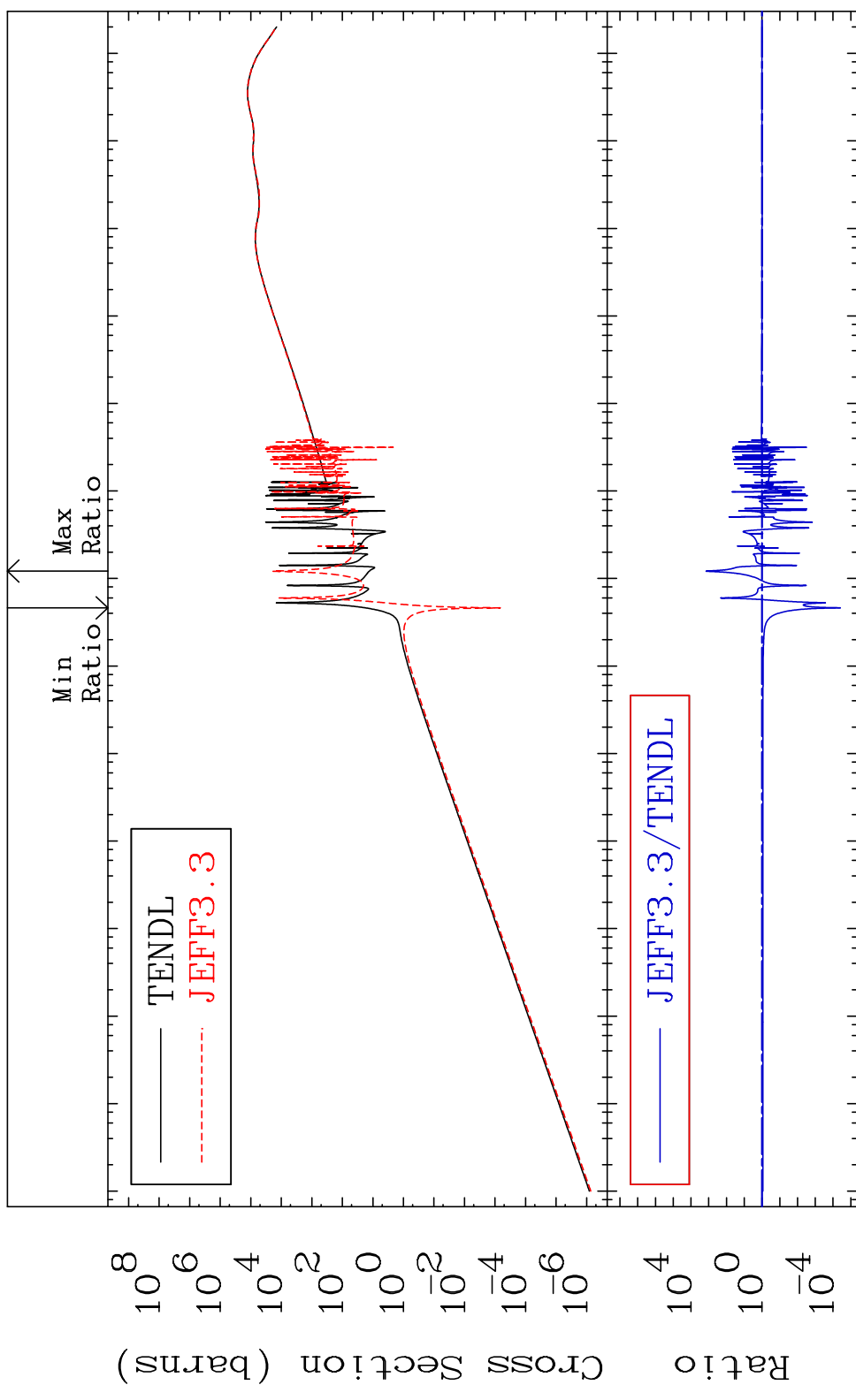
MAT 3728 Kerma total (eV-barns) 37-Rb-86  
 Cross Section -99.92 To 9999. %



66 Incident Energy (eV) 37-Rb-86

MAT 3728

Kerma elastic Cross Section -100.0 To 9999. %  
37-Rb-86

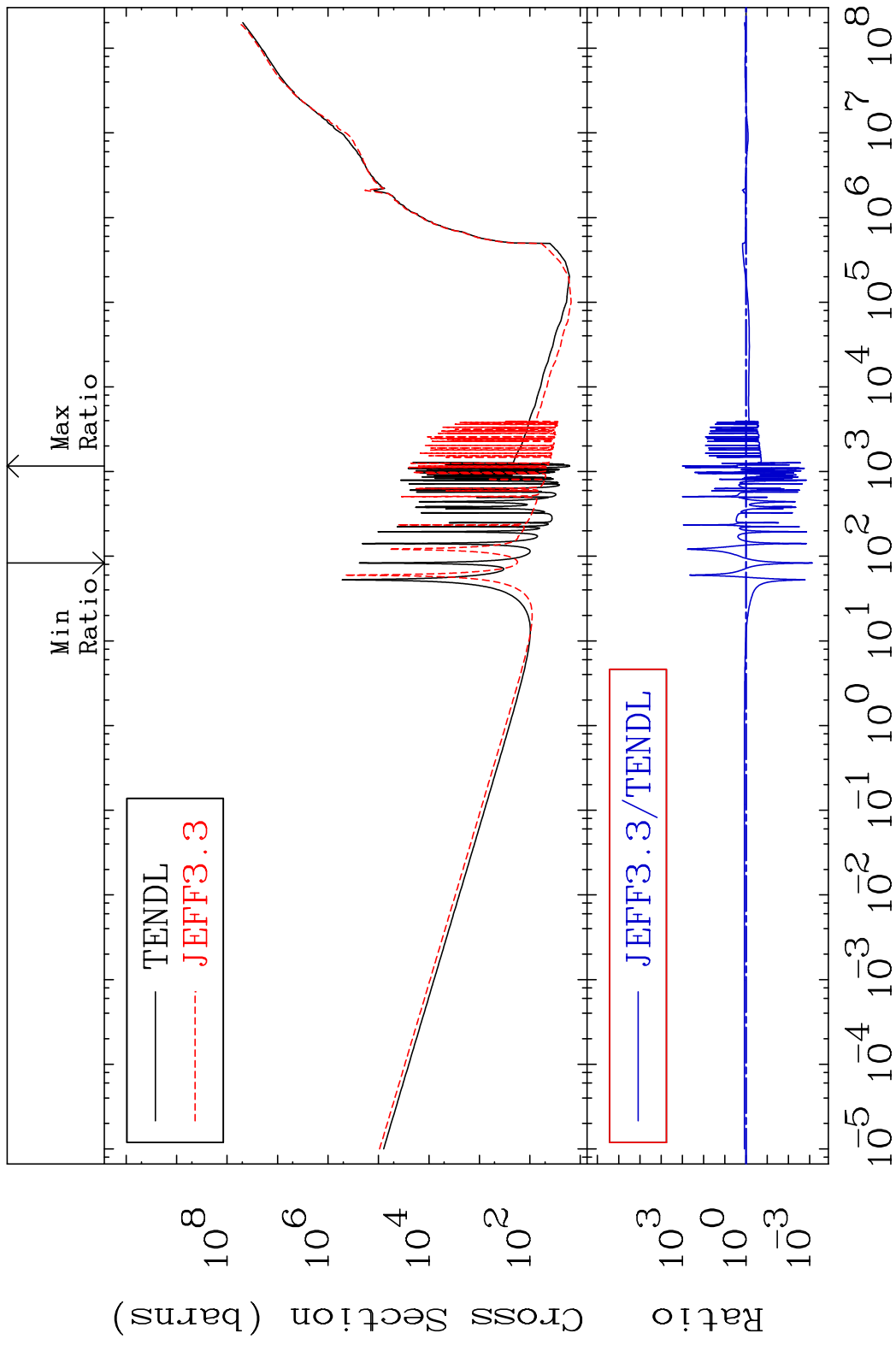


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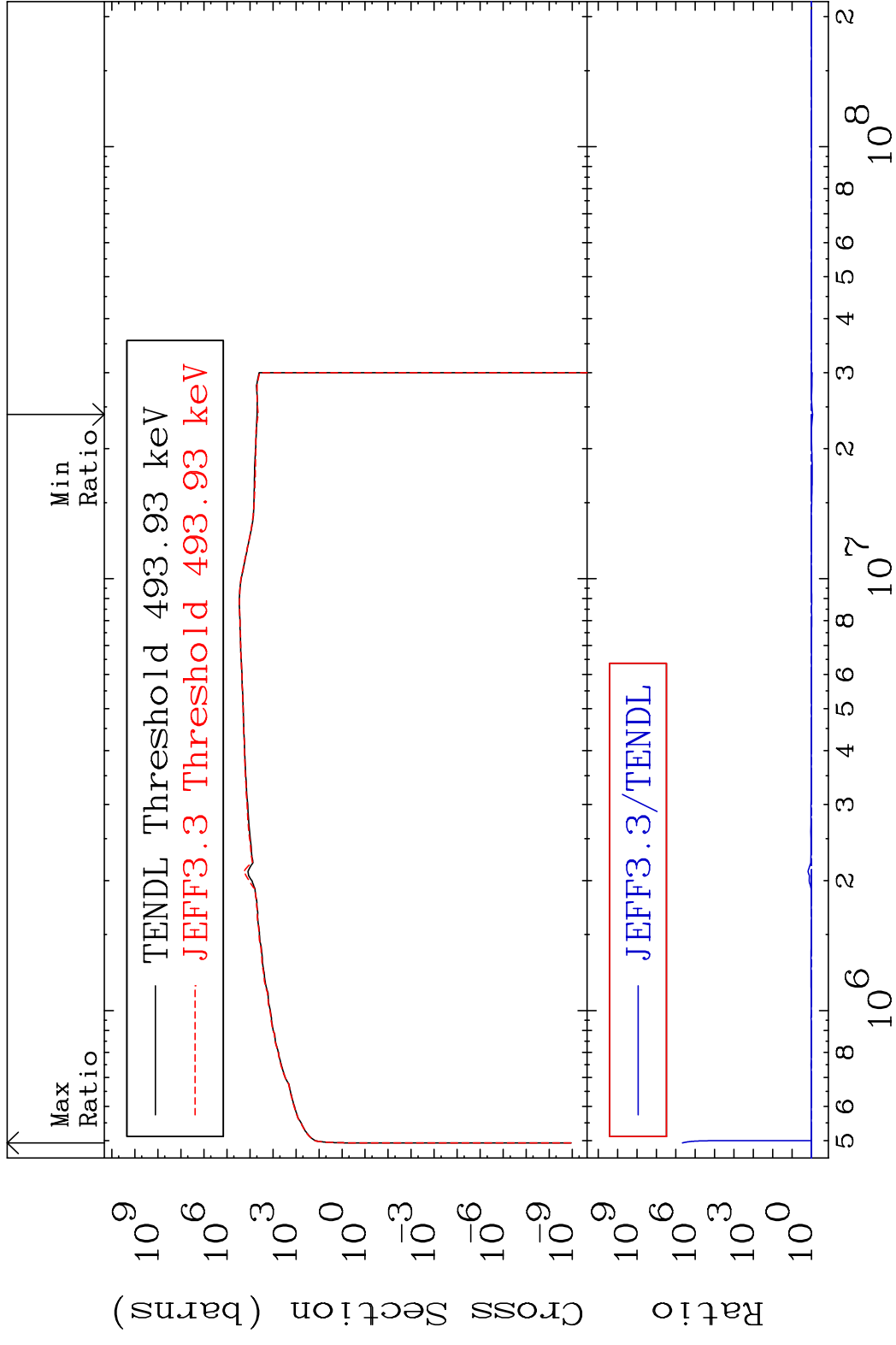
Incident Energy (eV)

37-Rb-86

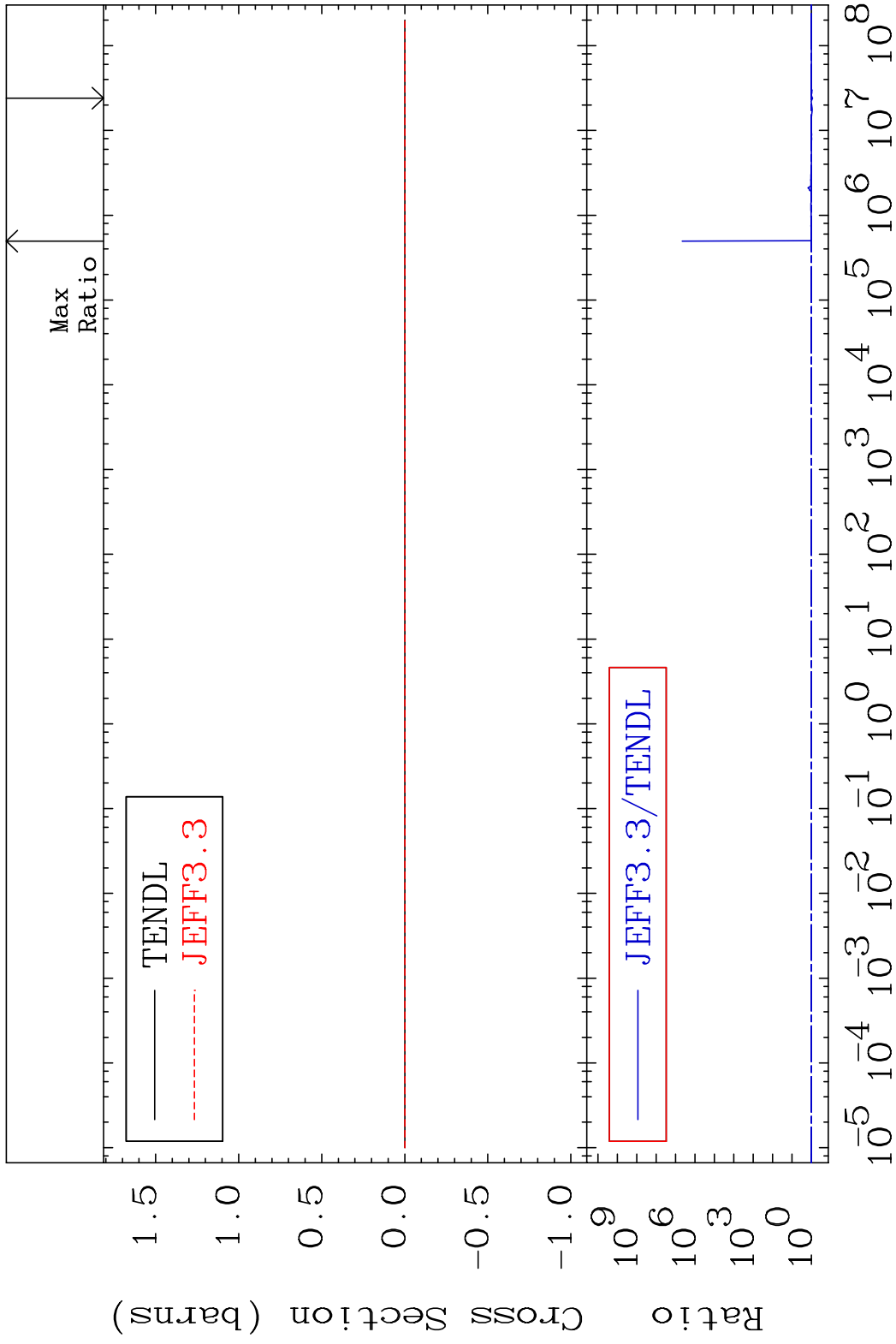
MAT 3728 Kerma non-elastic (all but mt2) 37-Rb-86  
 Cross Section -99.93 To 9999. %



MAT 3728 Kerma inelastic (mt51-91) 37-Rb-86  
 Cross Section -11.53 To 9999. %



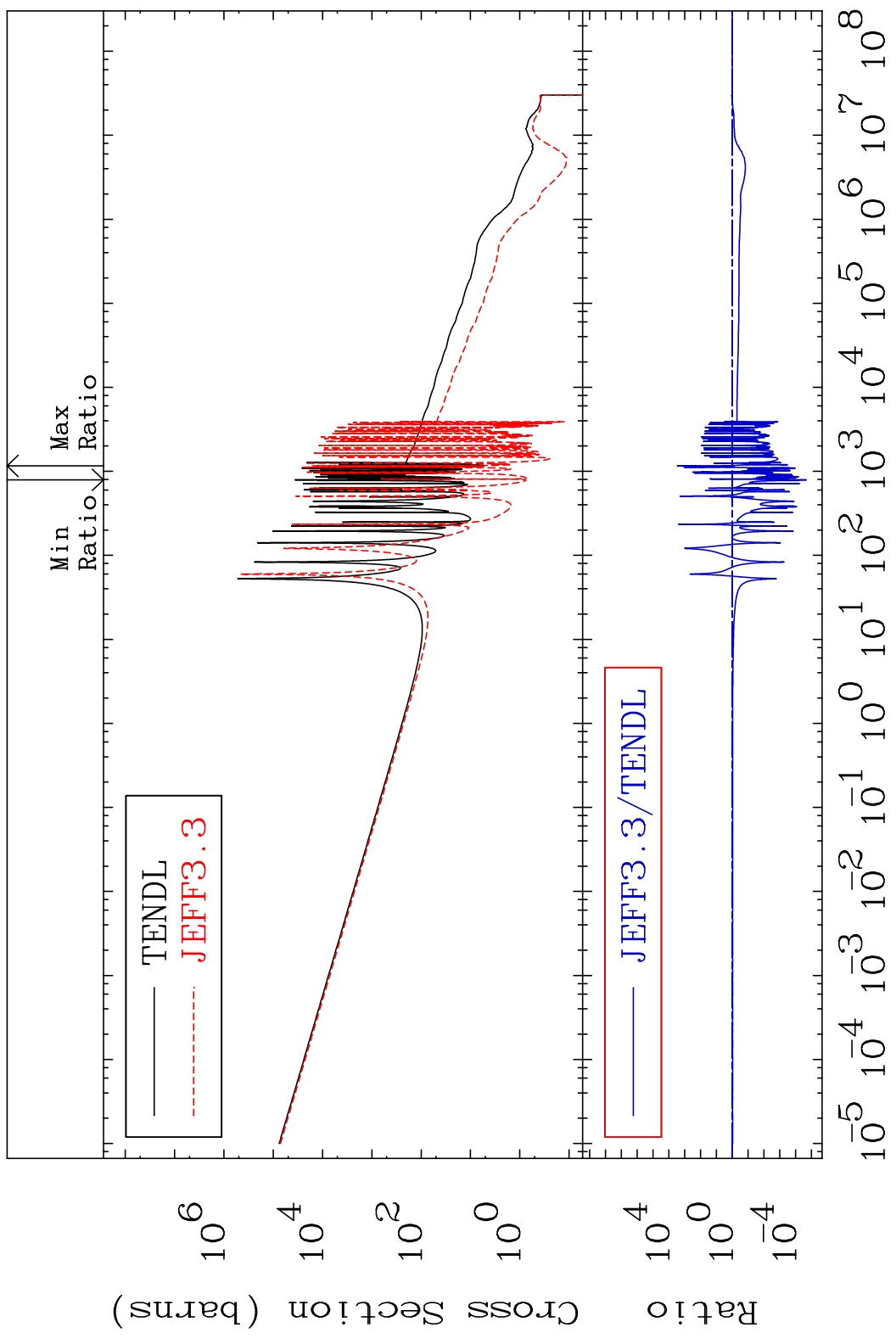
MAT 3728 Kerma fission (mt18 or mt19-20-21-38) 37-Rb-86  
 Cross Section -11.53 To 9999. %



70 Incident Energy (eV) 37-Rb-86

MAT 3728

Kerma capture (mt102) 37-Rb-86  
Cross Section -100.0 To 9999. %

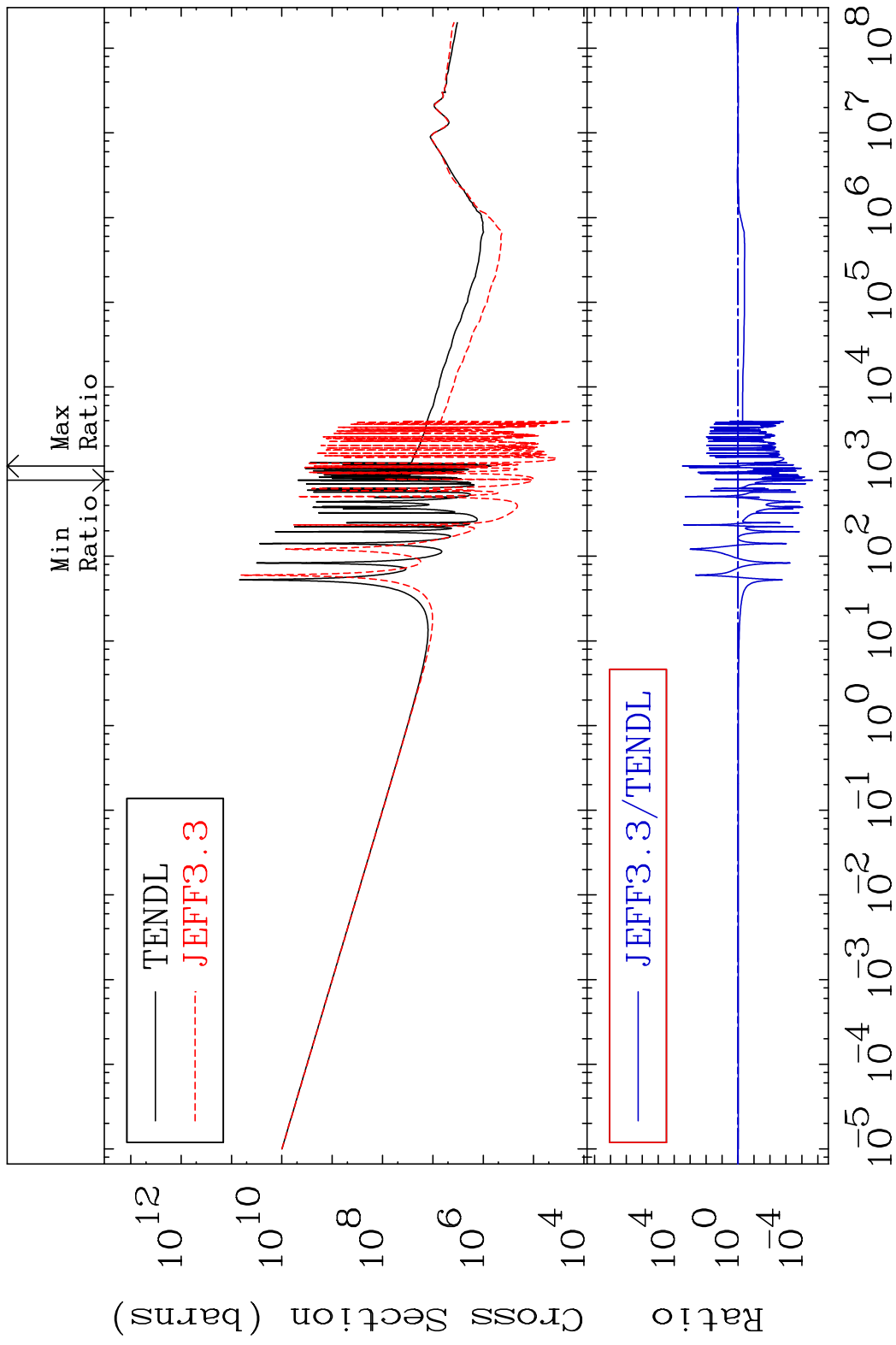


71

Incident Energy (eV) 37-Rb-86

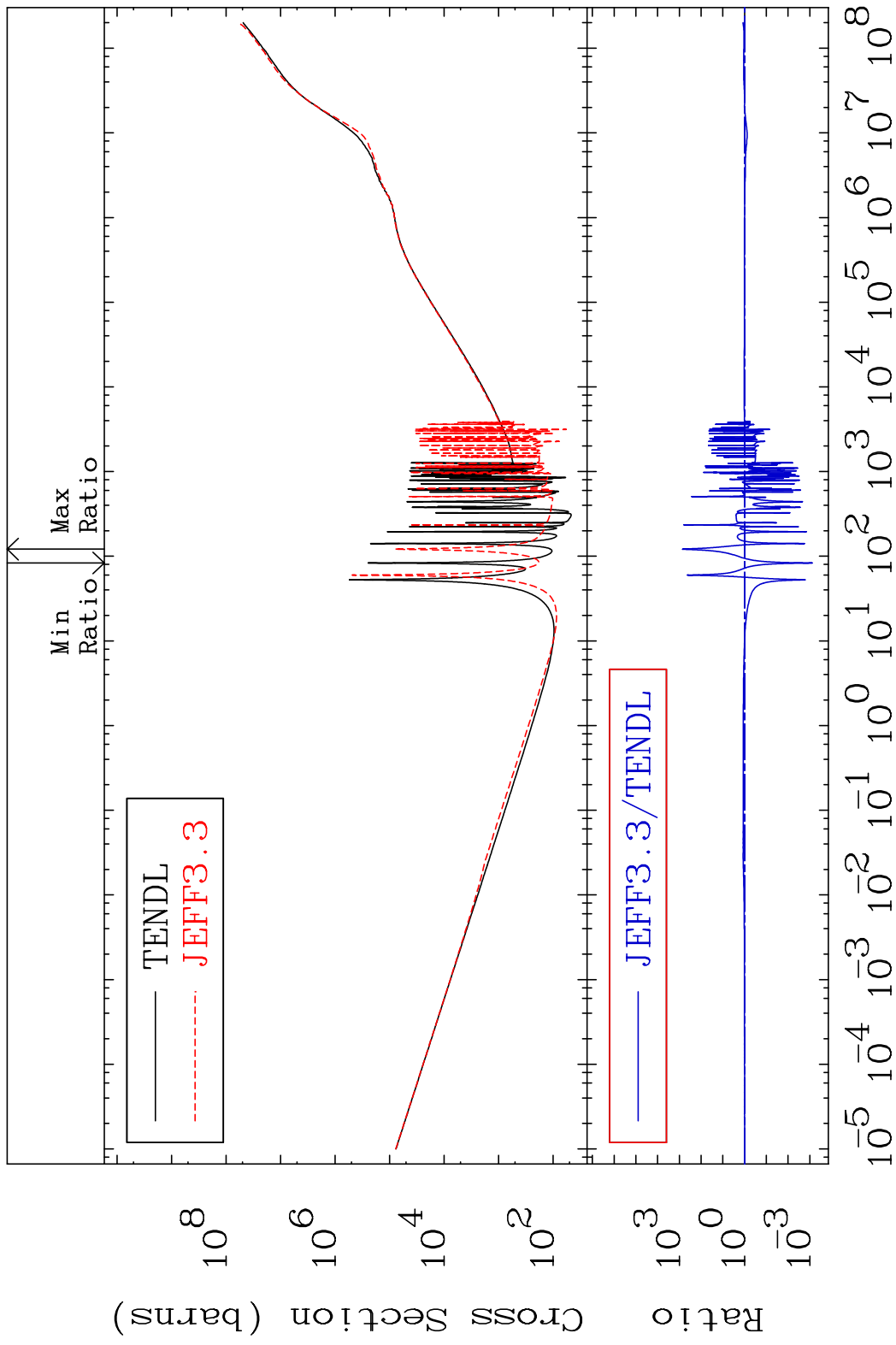


MAT 3728 Total photon (eV-barns) 37-Rb-86  
 Cross Section -100.0 To 9999. %



72 Incident Energy (eV) 37-Rb-86

MAT 3728 Total kinematic kerma (high limit) 37-Rb-86  
 Cross Section -99.93 To 9999. %

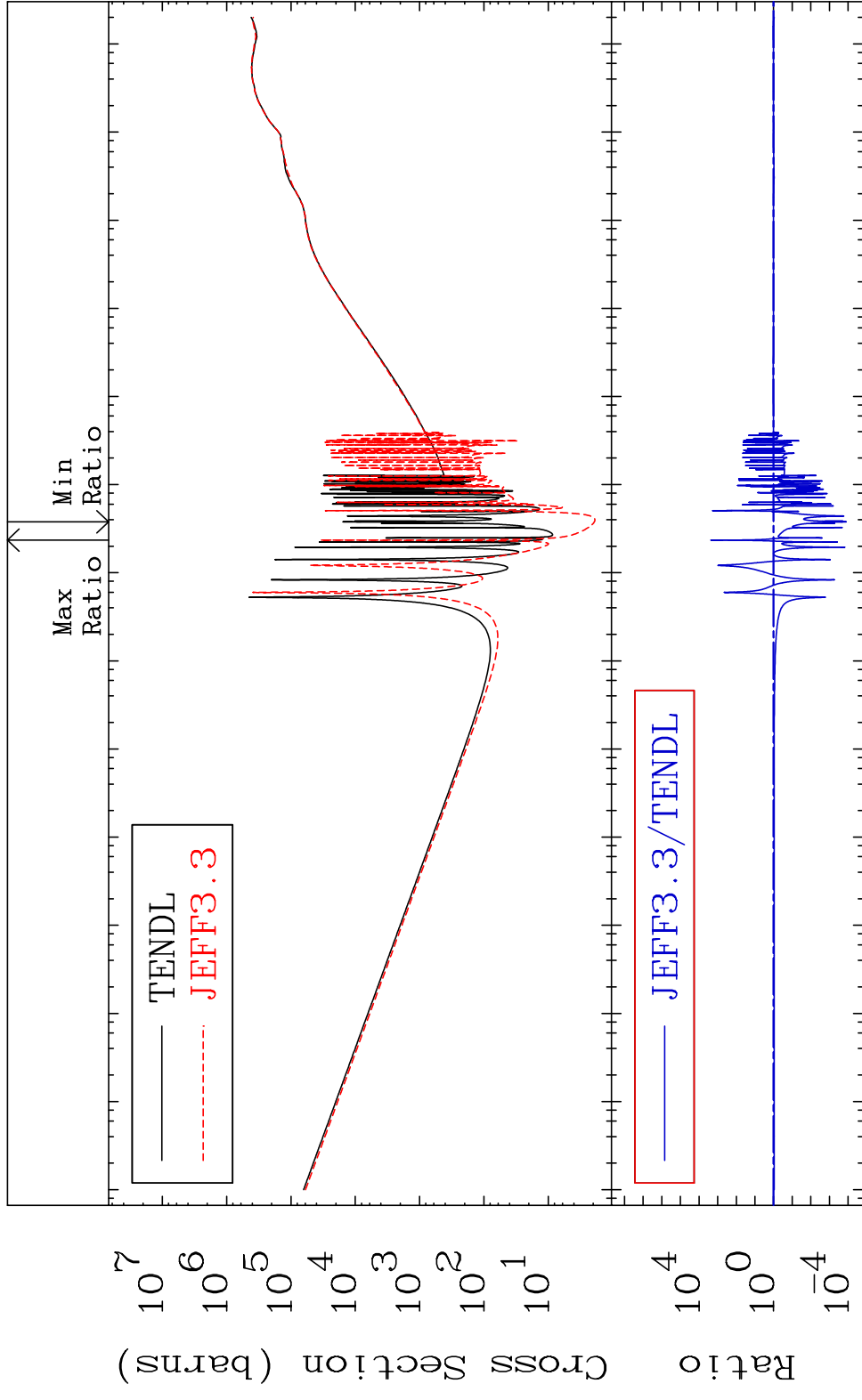


MAT 3728

Dpa total (eV-barns)

37-Rb-86

Cross Section -99.99 To 9999. %



74

Incident Energy (eV)

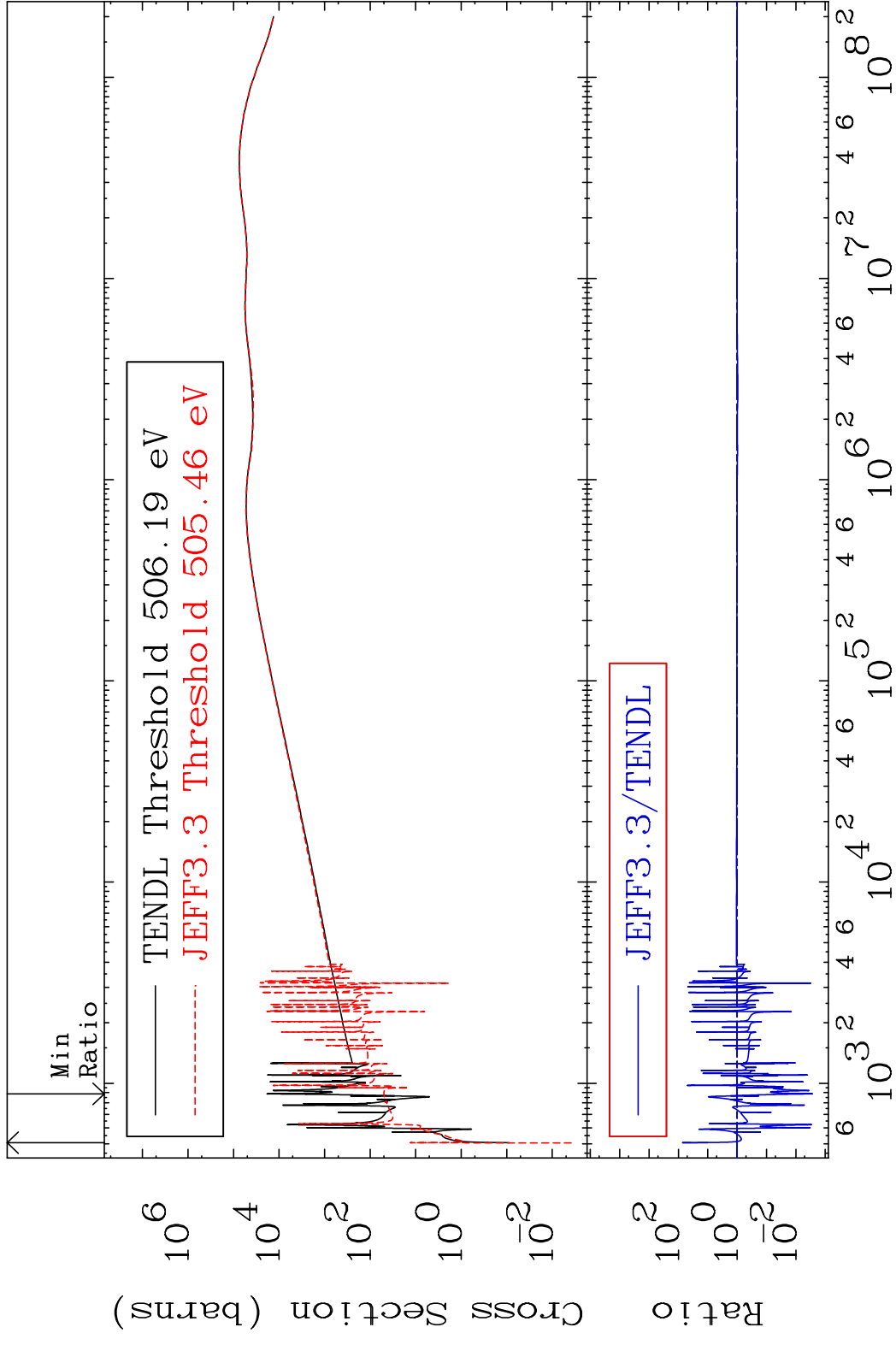
37-Rb-86

MAT 3728

Dpa elastic (mt2)

37-Rb-86

Cross Section -99.73 To 7255. %

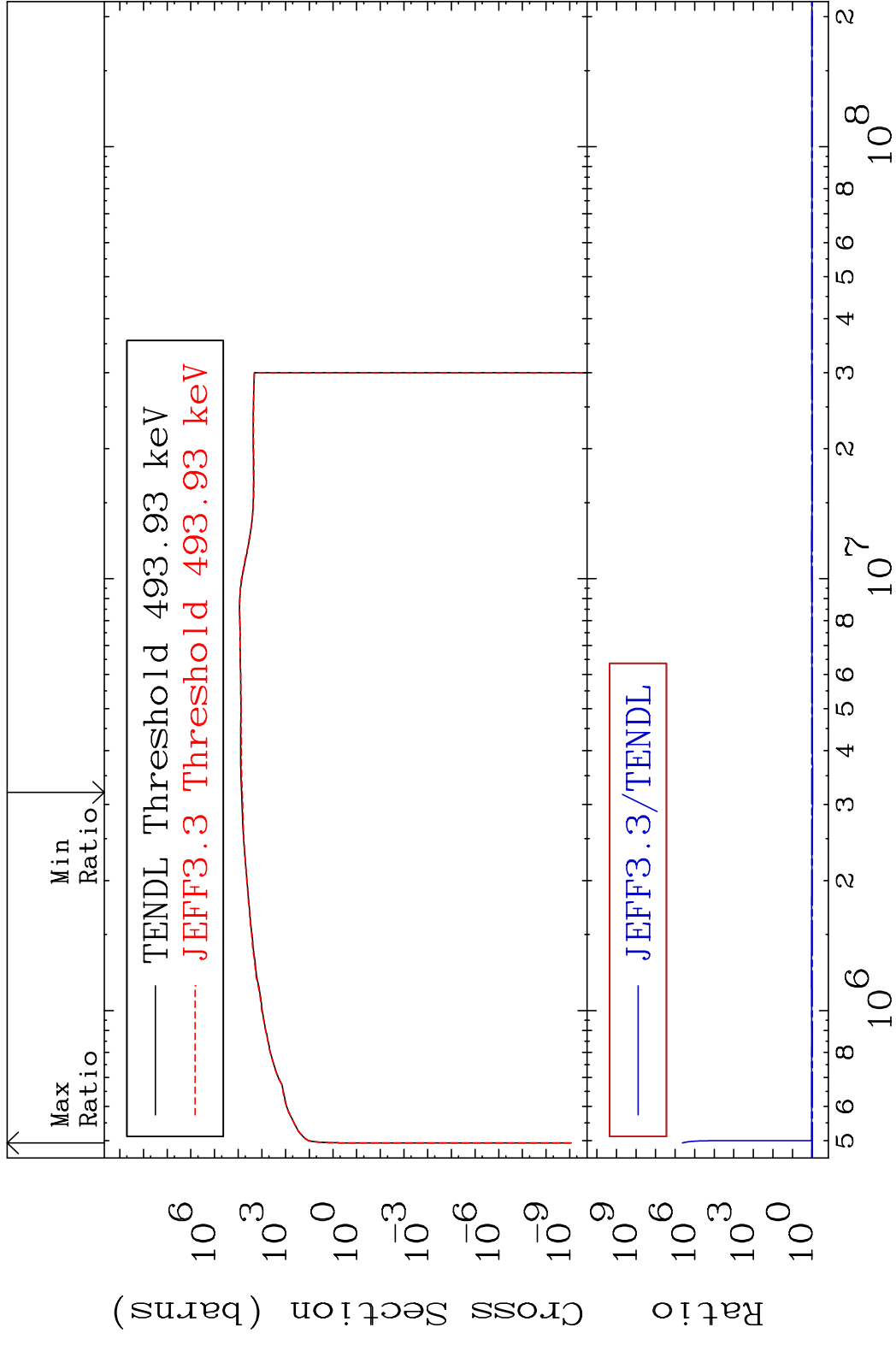


75

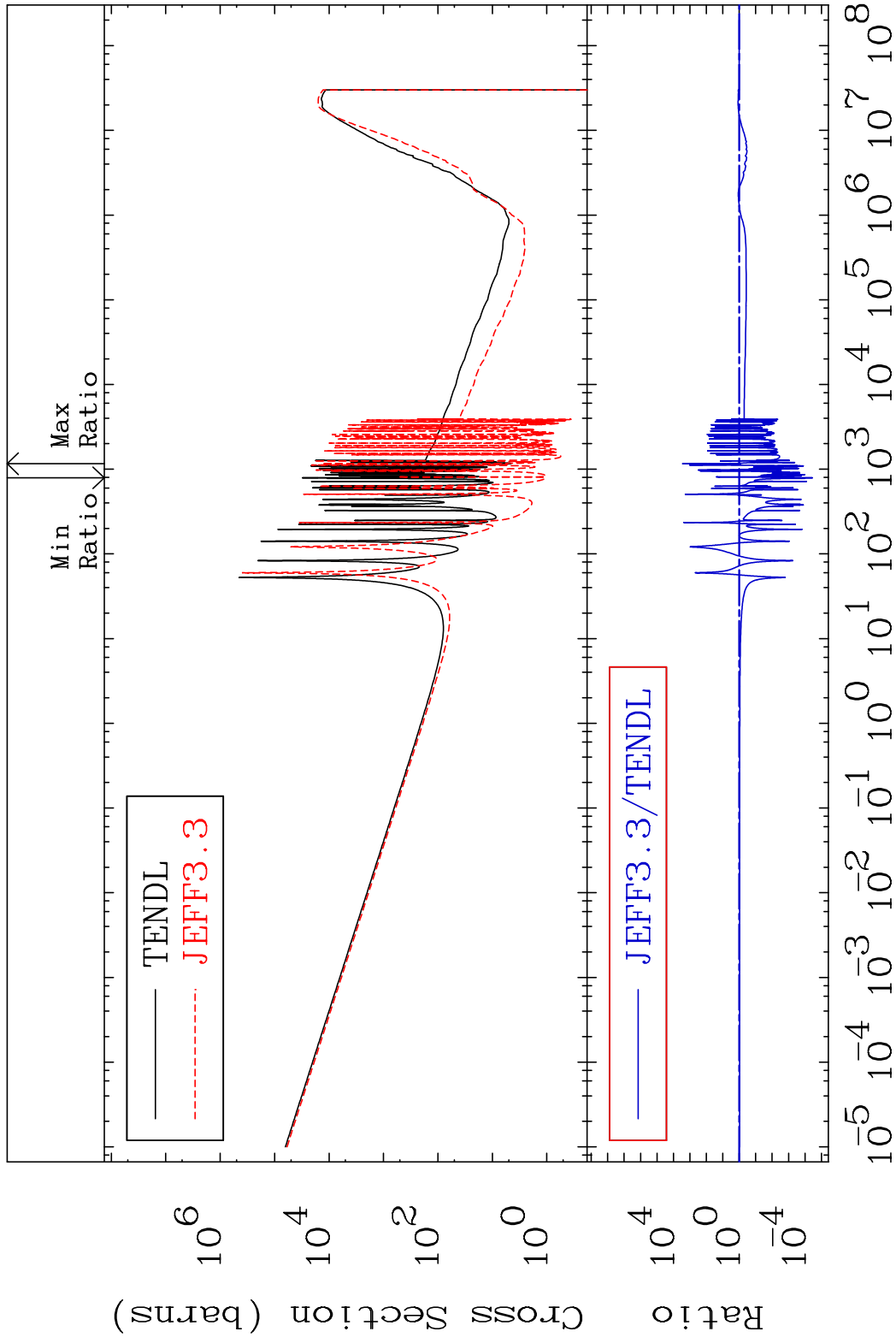
Incident Energy (eV)

37-Rb-86

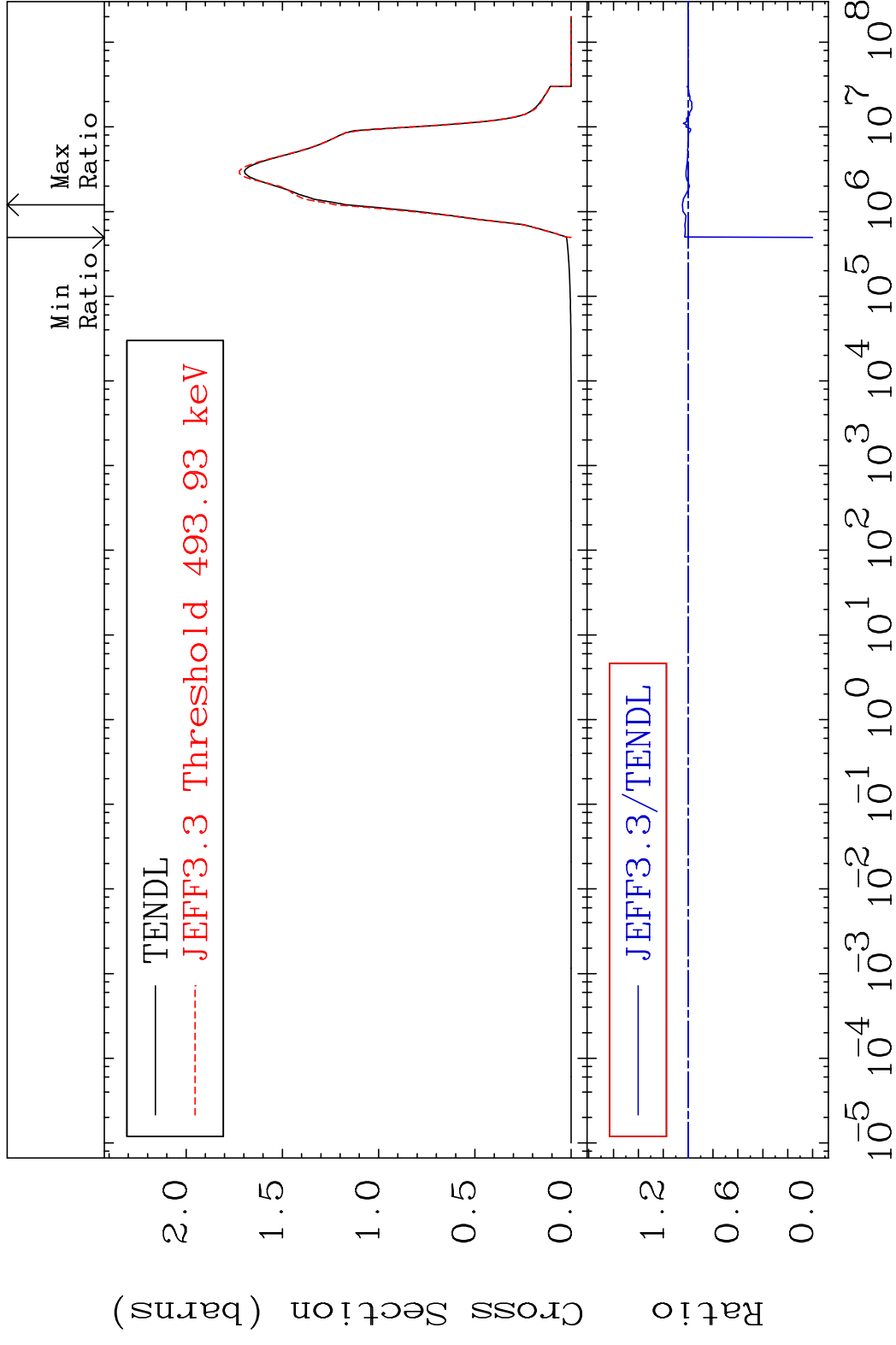
MAT 3728      Dpa inelastic (mt51-91)      37-Rb-86  
 Cross Section    -6.576 To 9999. %



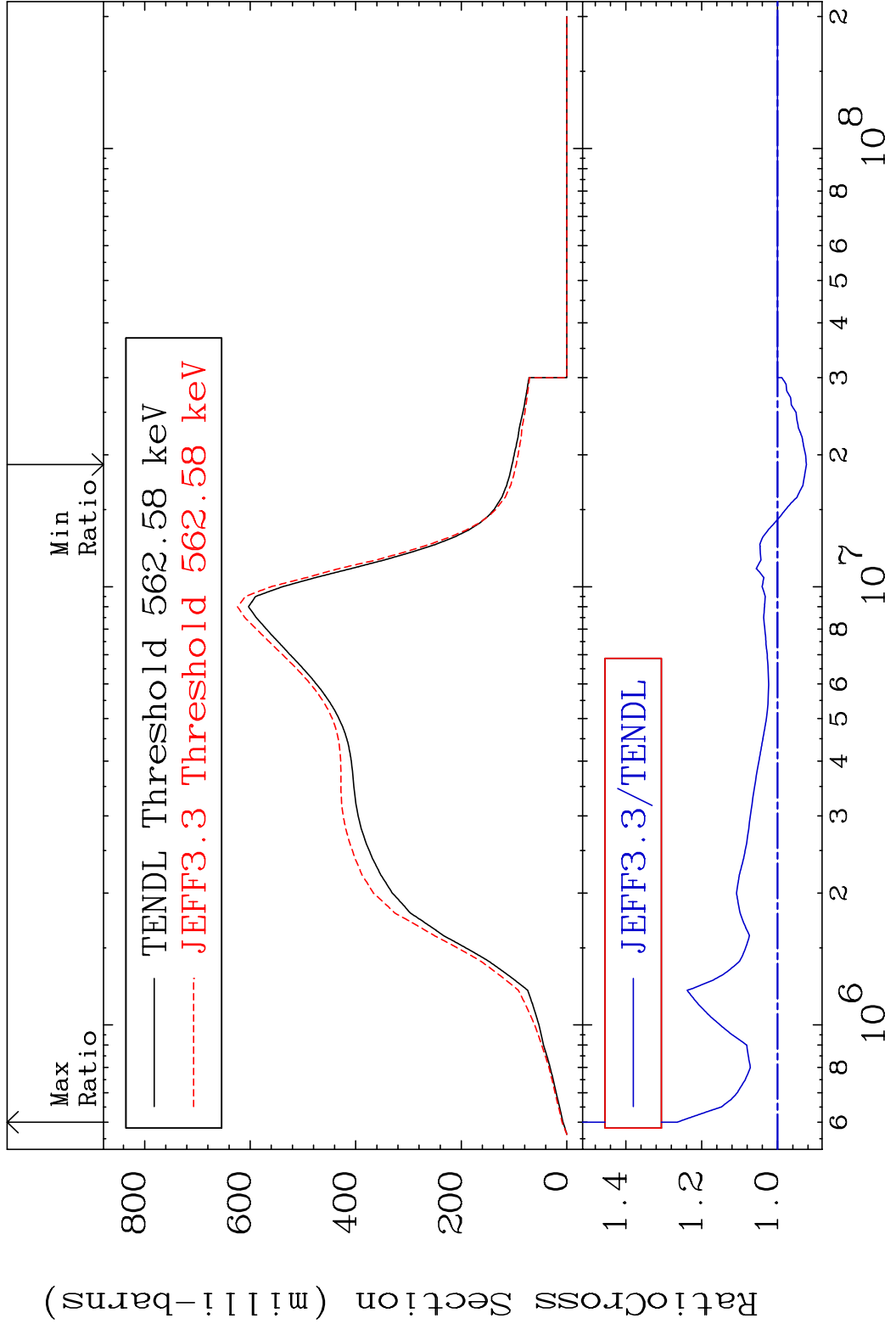
MAT 3728 Dpa disappearance (mt102 -120) 37-Rb-86  
 Cross Section -100.0 To 9999. %



MAT 3728 Inelastic:37-Rb-86g 37-Rb-86  
 Radionuclide Production Cross Section Ratio 4.628 %

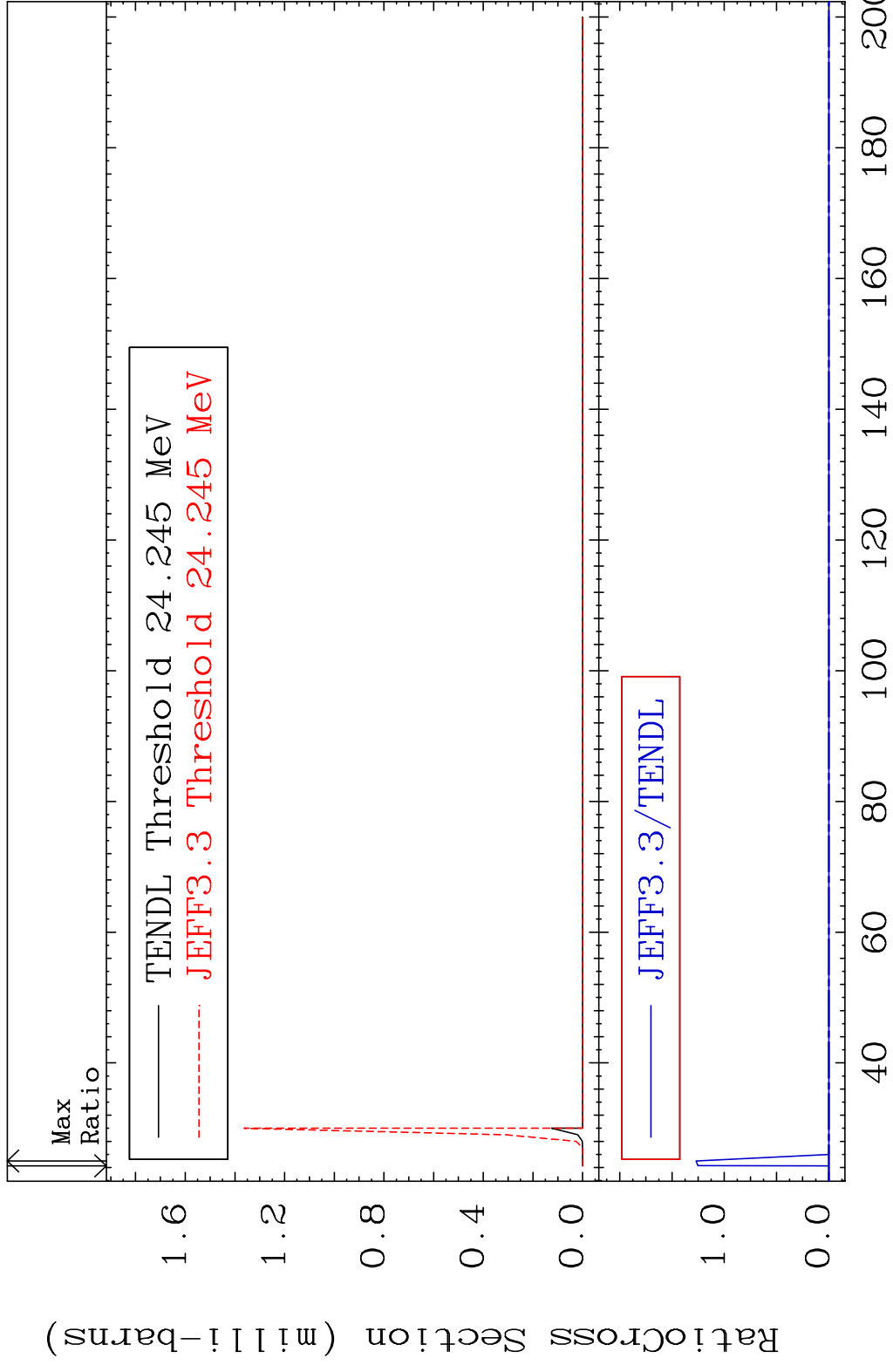


78 Incident Energy (eV) 37-Rb-86



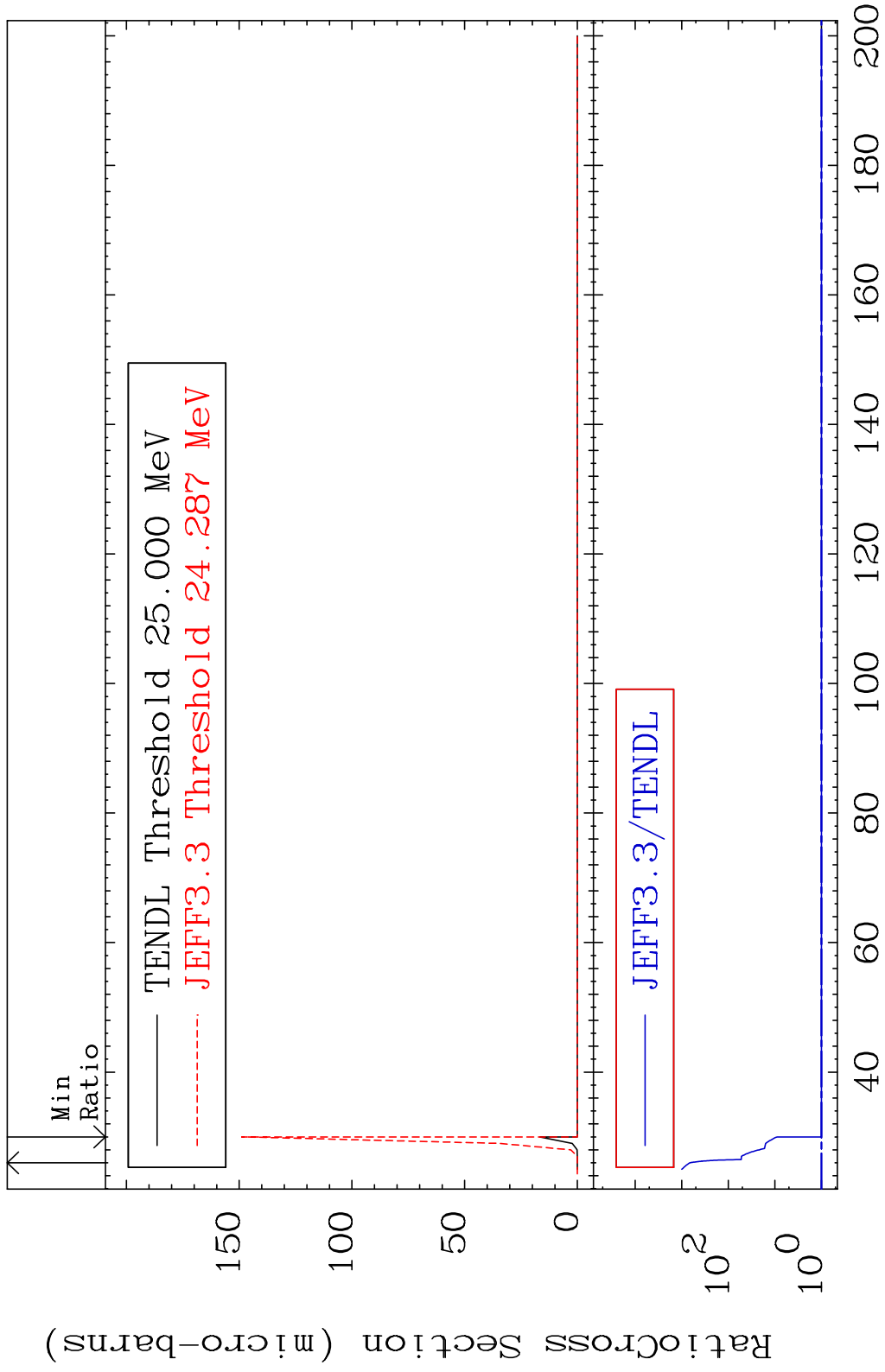


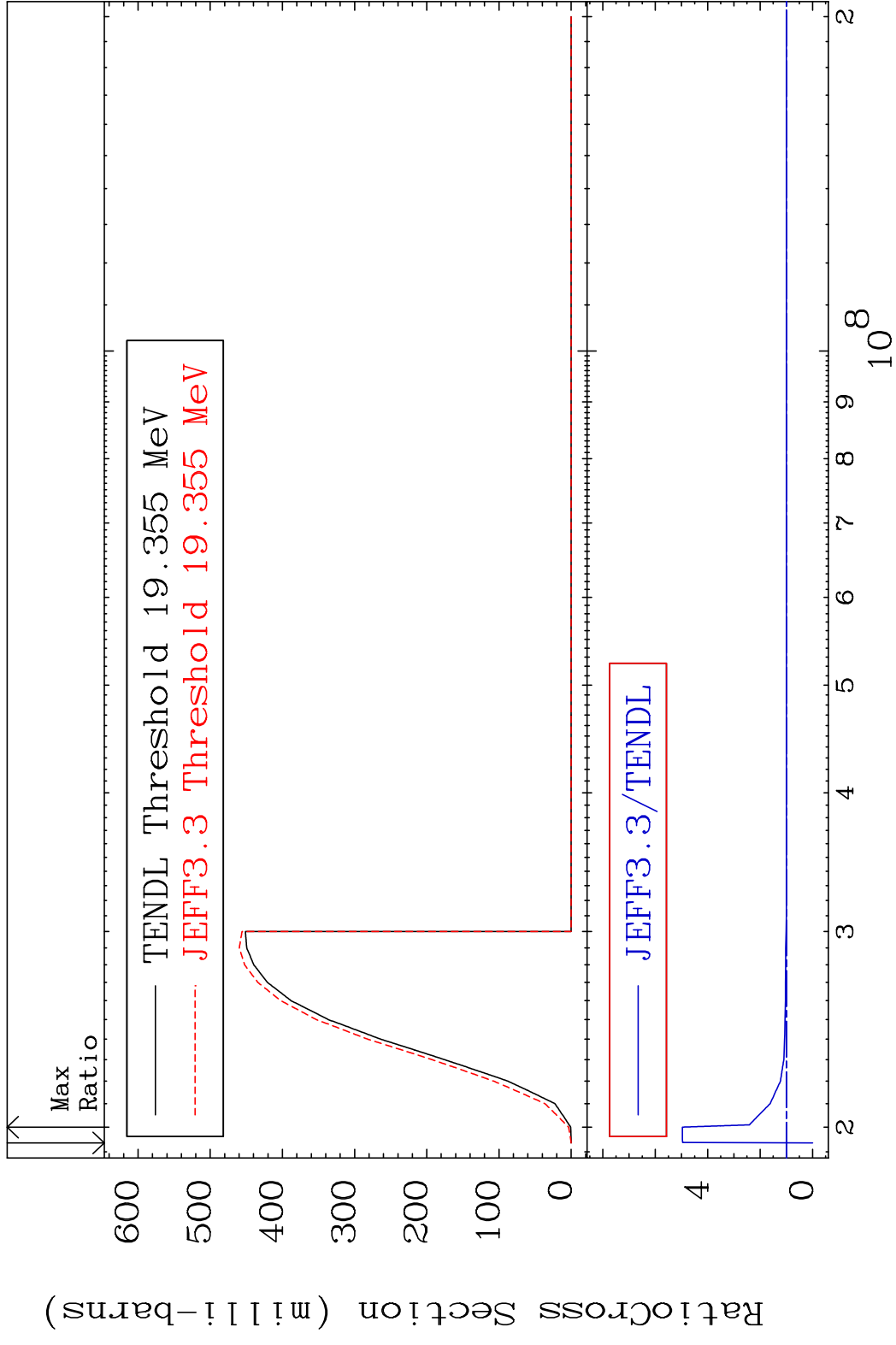
MAT 3728 (n,2n) d:36-Kr-83g 37-Rb-86  
 Radionuclide Production Cross Section Ratio 9999. %



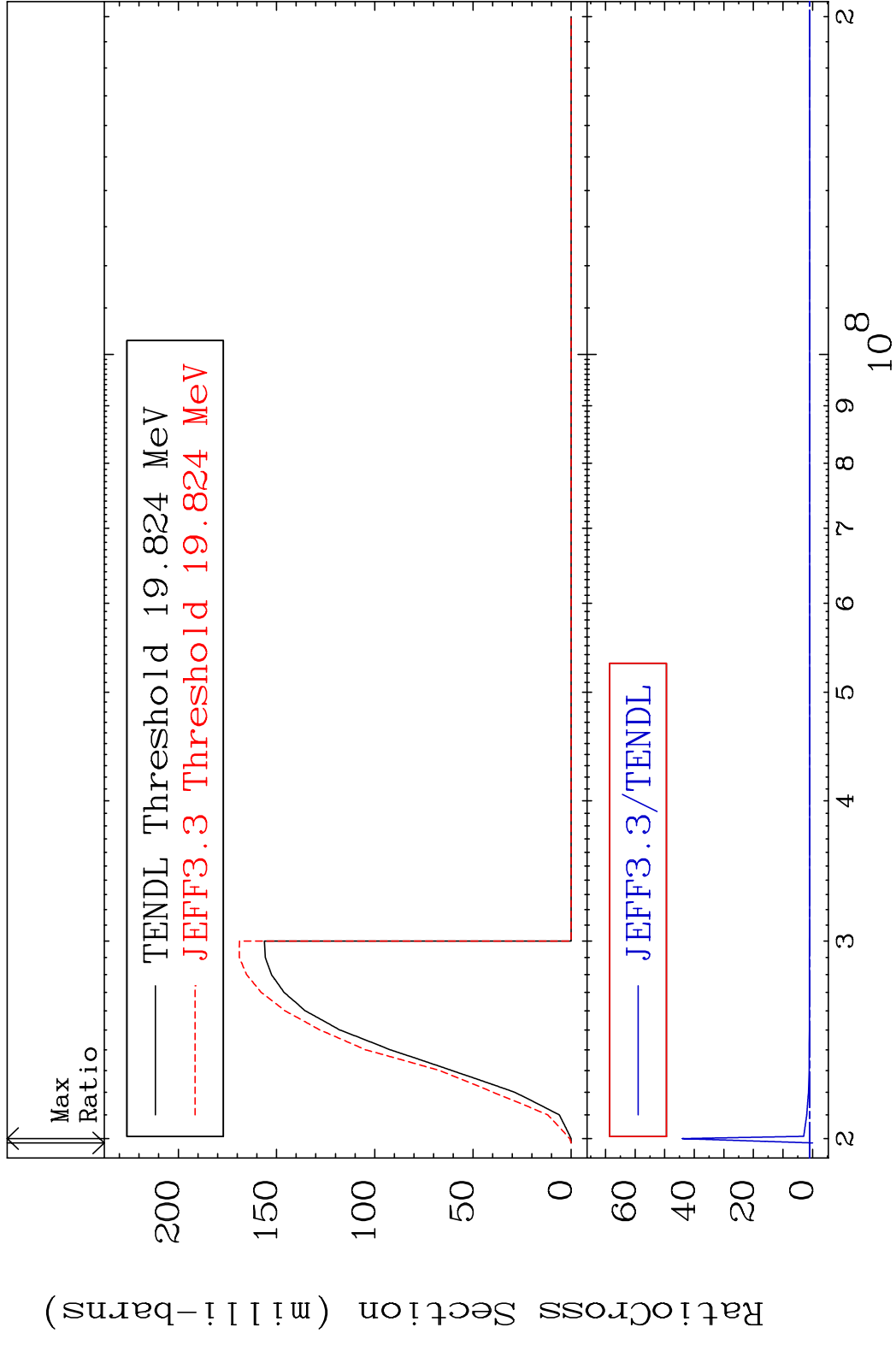
80 Incident Energy (MeV) 37-Rb-86

MAT 3728 (n,2n) d:36-Kr-83m2 37-Rb-86  
 Radionuclide Production Cross Section 9999. %

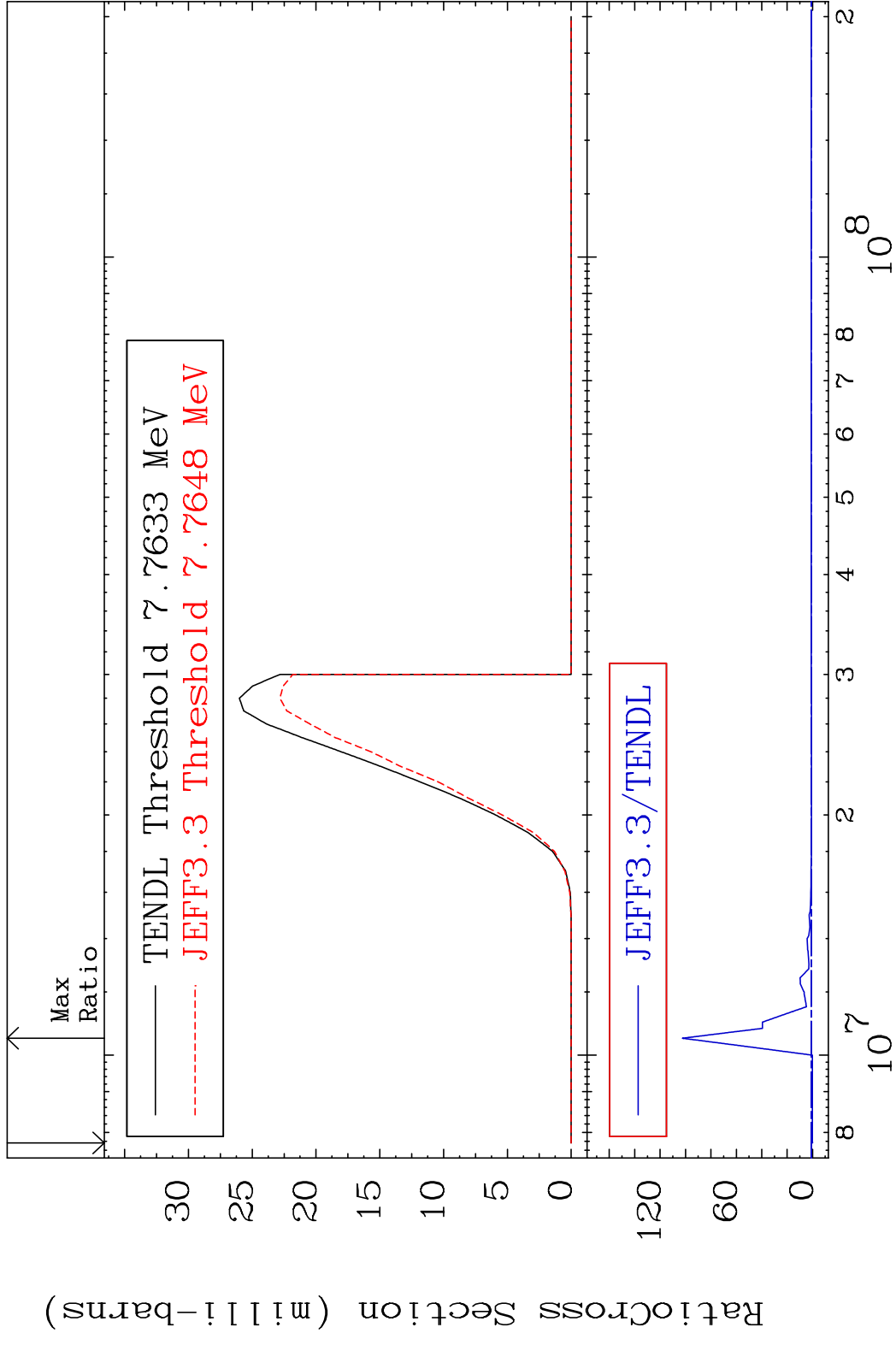




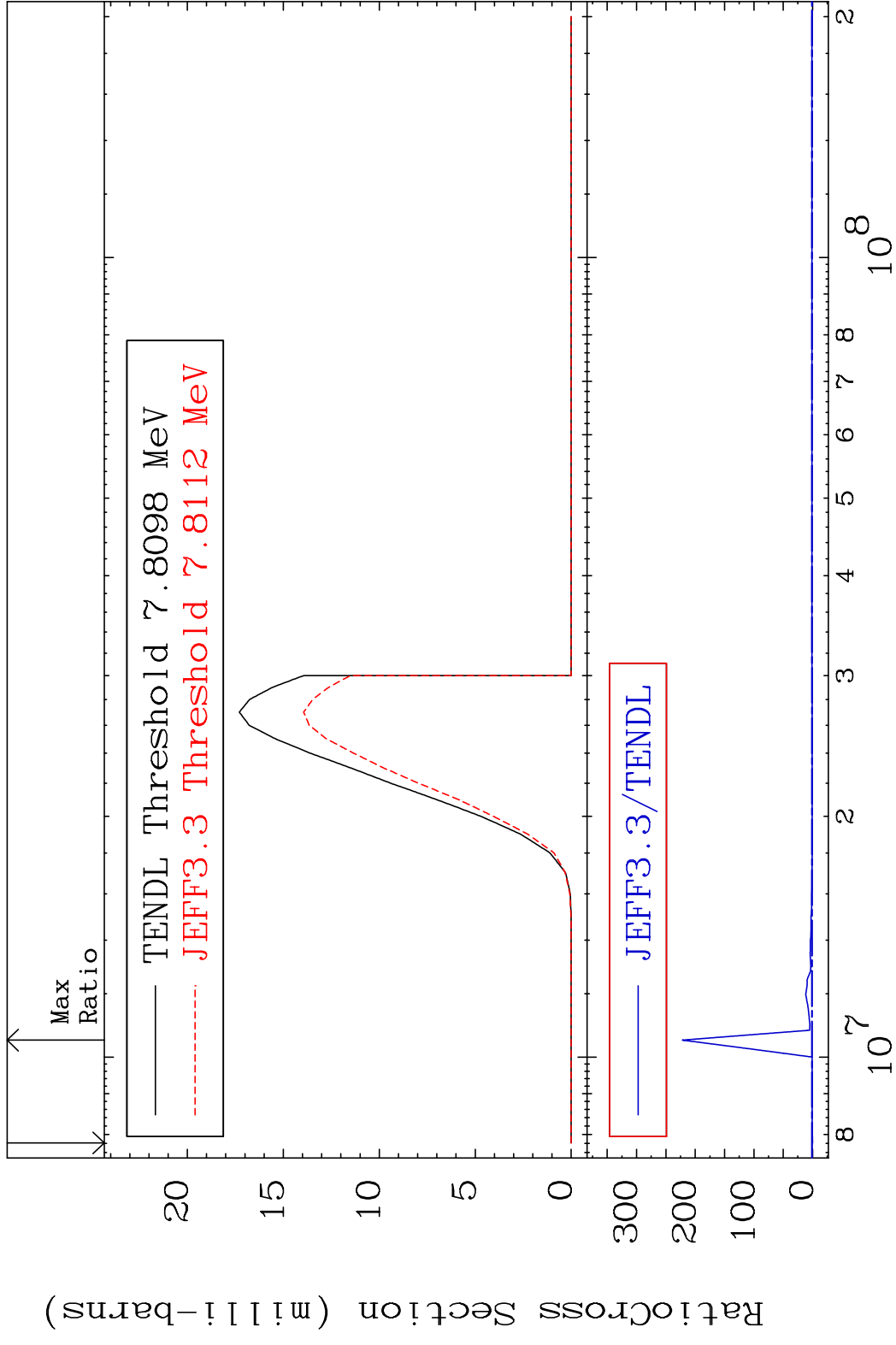
MAT 3728 (n,3n):37-Rb-84m2 37-Rb-86  
 Radionuclide Production Cross Section 1800.0 dth 4303. %



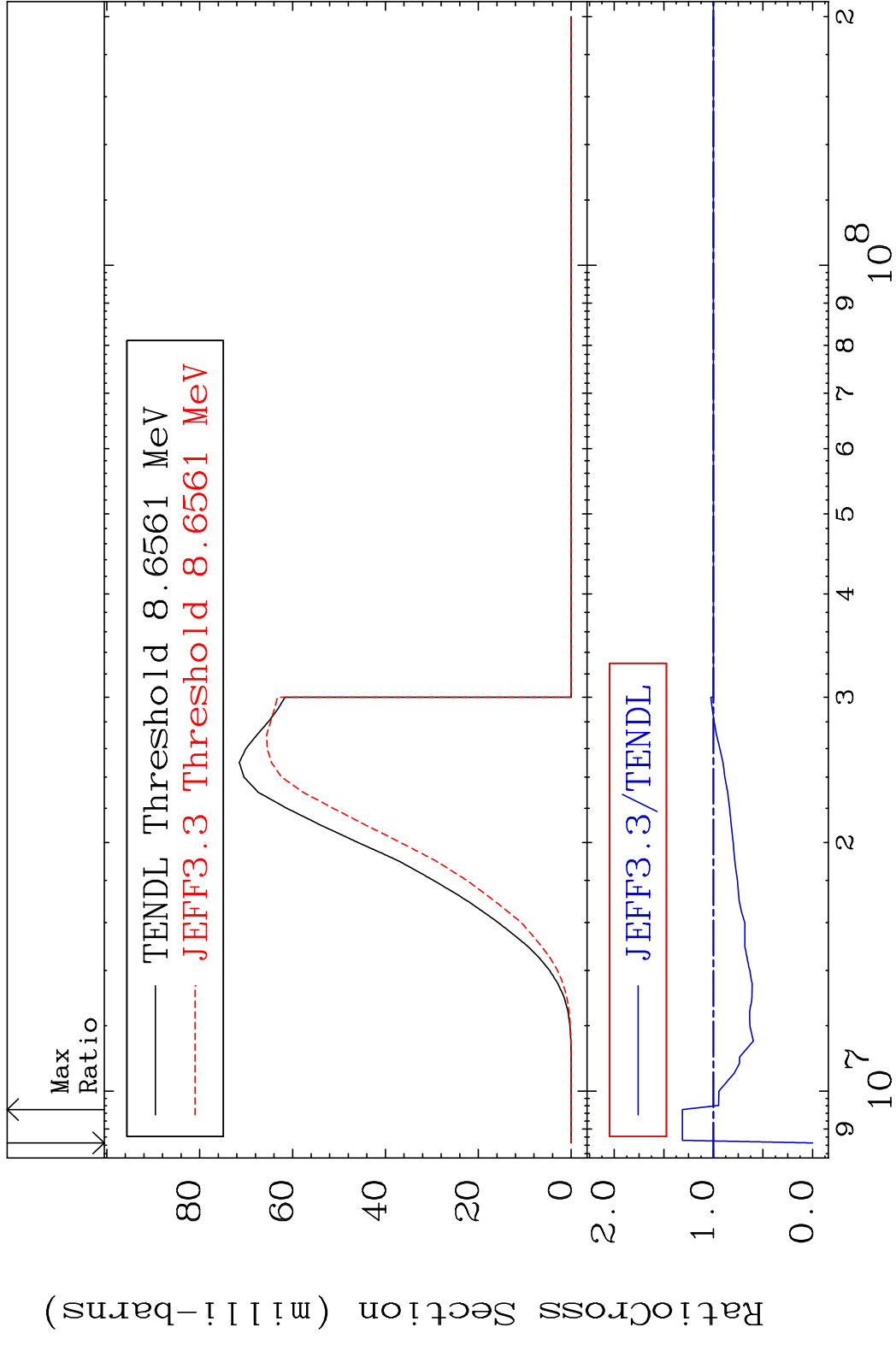
MAT 3728 (n, n')  $\alpha$ :35-Br-82g 37-Rb-86  
 Radionuclide Production Cross Section 100.00 dth 9999. %



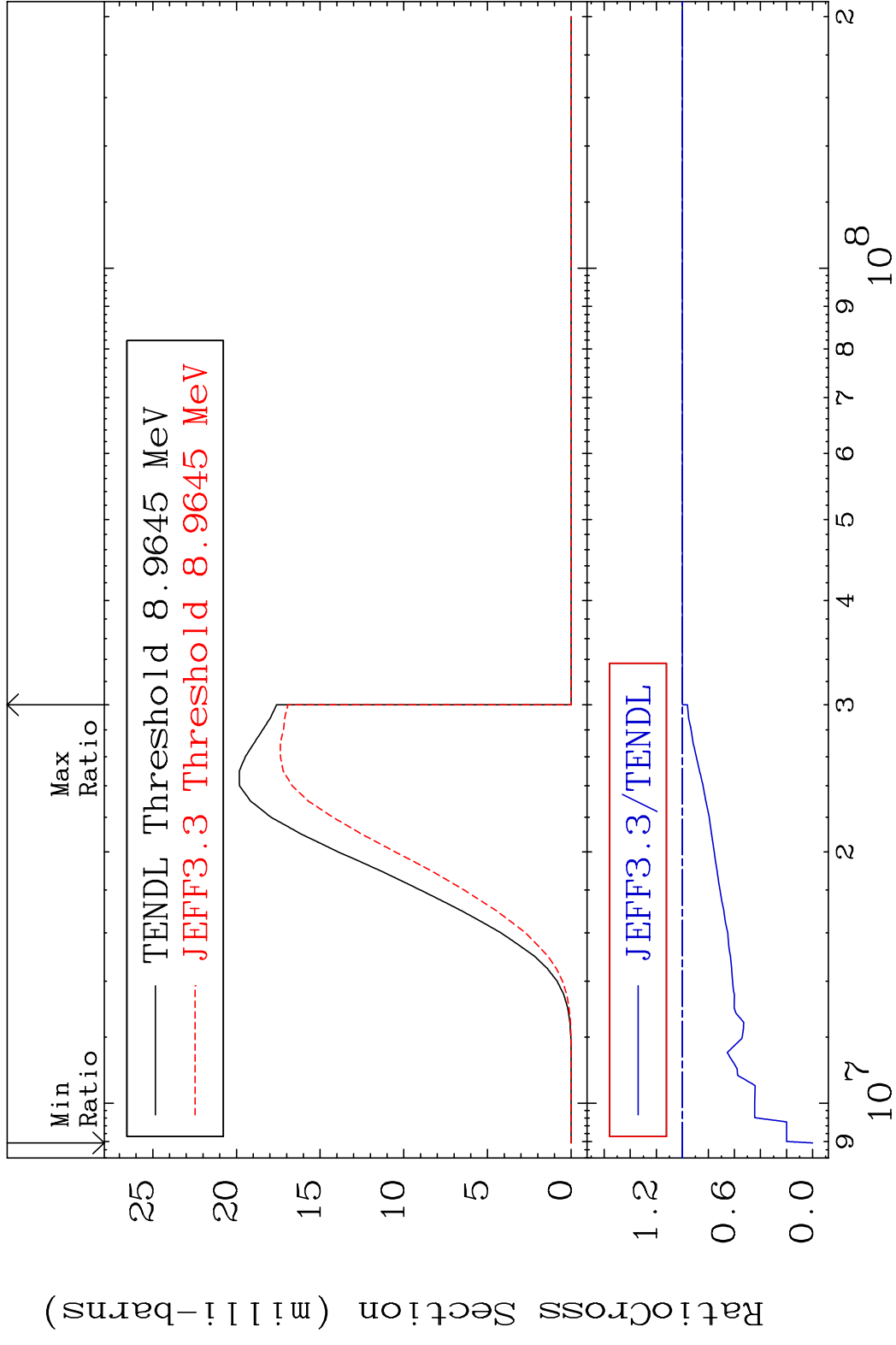
MAT 3728 (n, n')  $\alpha$ :35-Br-82m1 37-Rb-86  
 Radionuclide Production Cross Section 1800 to 9999. %



MAT 3728 (n, n') p:36-Kr-85g 37-Rb-86  
 Radionuclide Production Cross Section Ratio 31.35 %

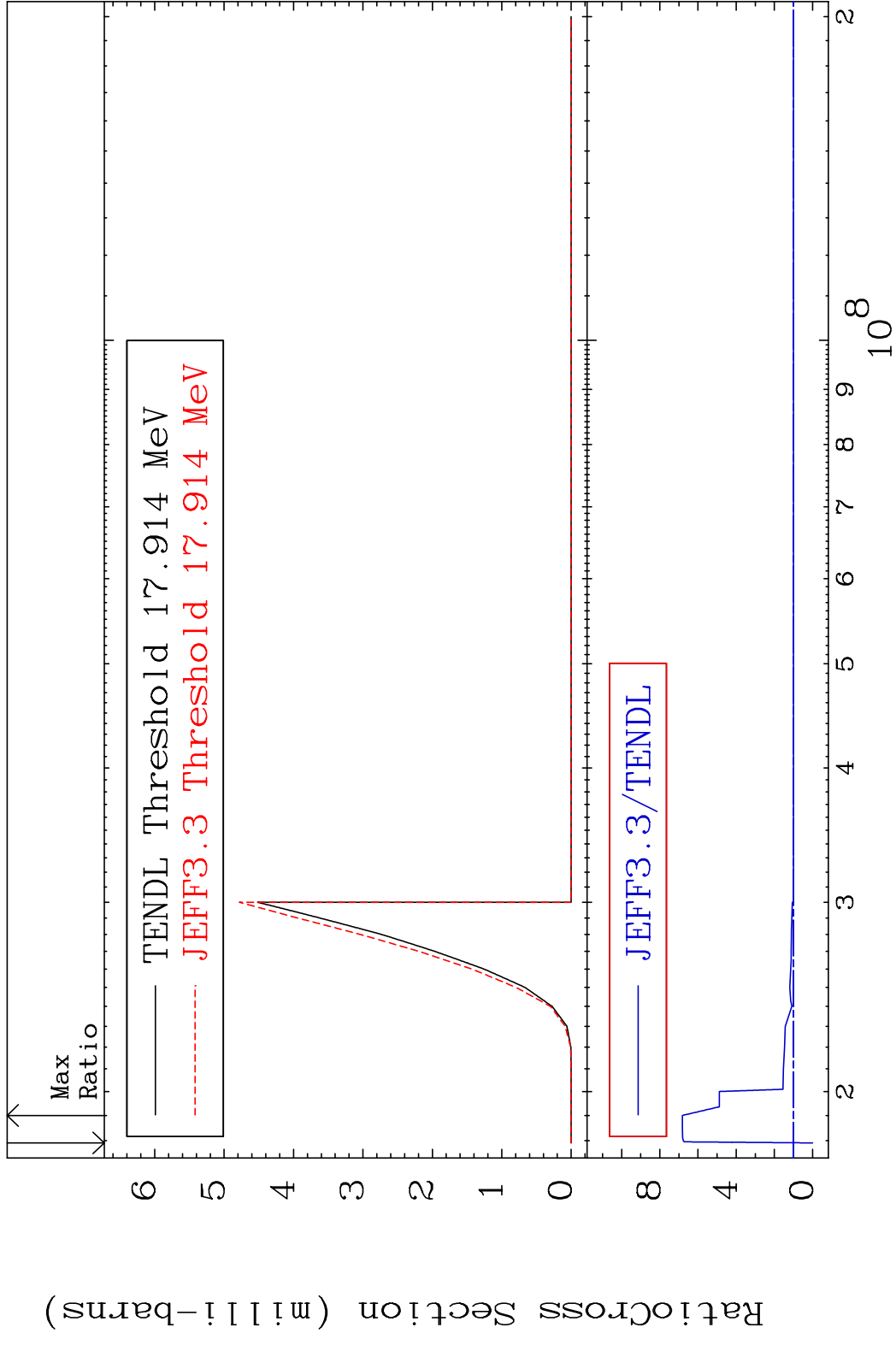


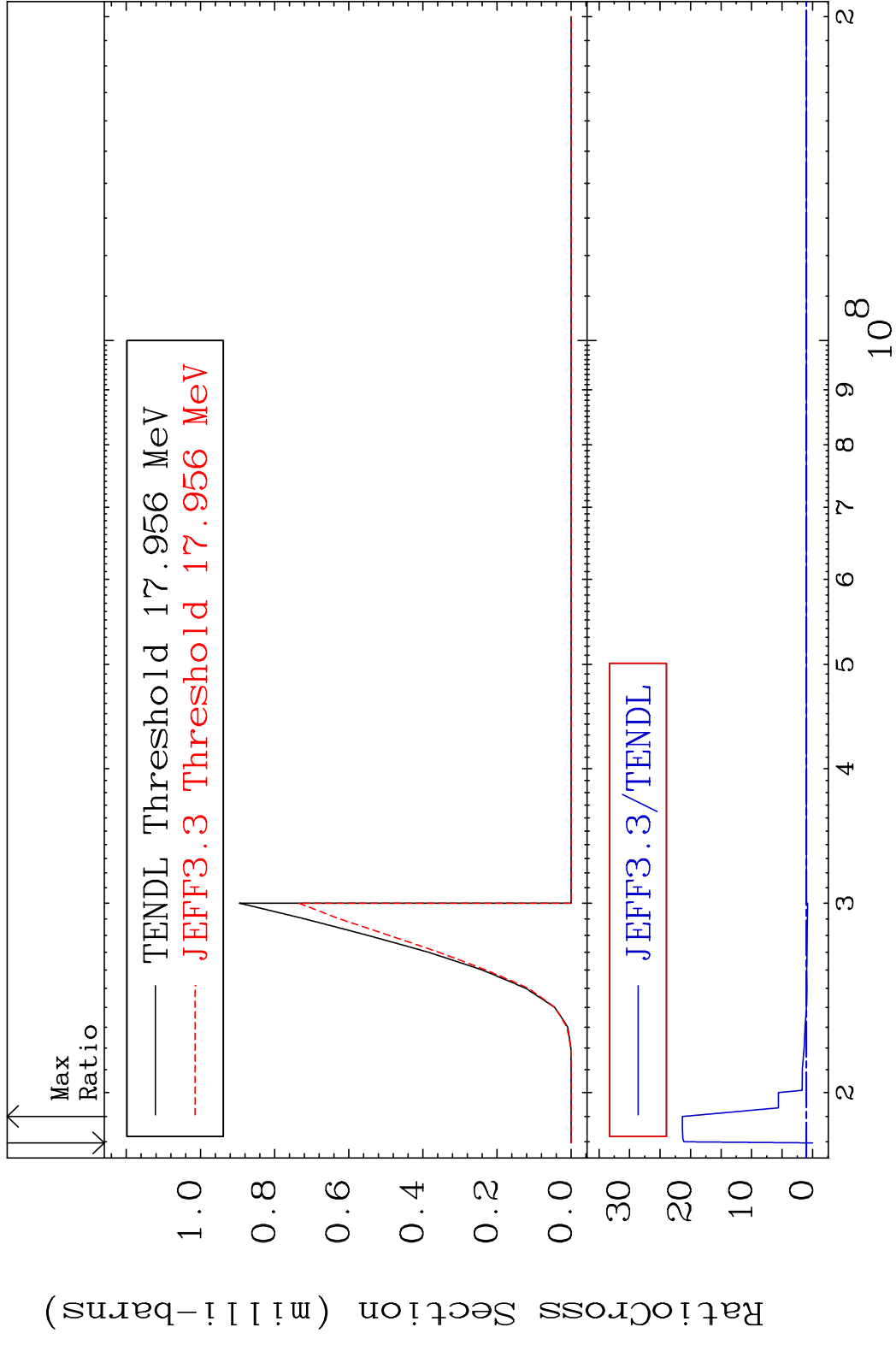
MAT 3728 (n, n') p:36-Kr-85m1 37-Rb-86  
 Radionuclide Production Cross Section Ratio 0.000 %



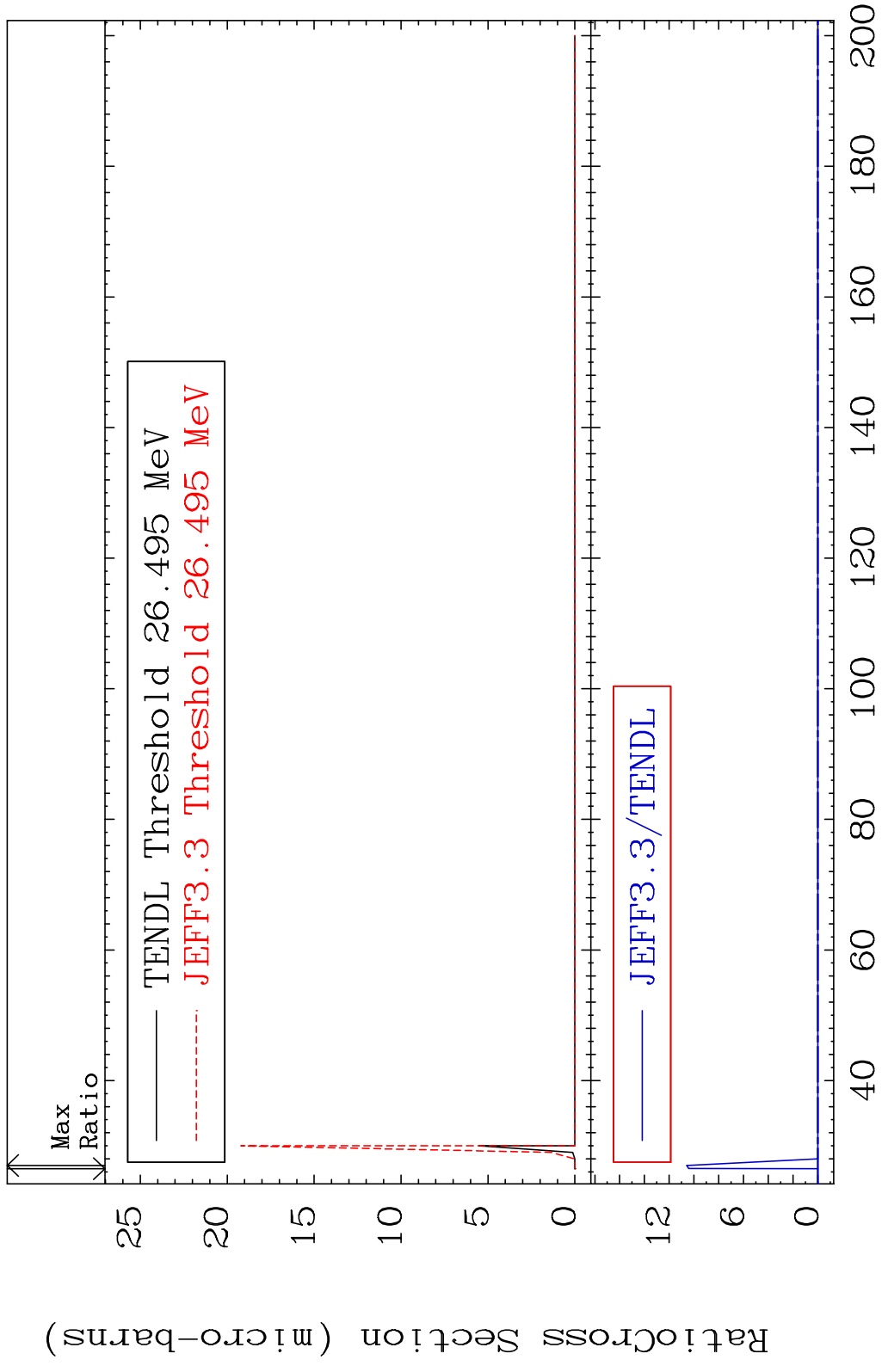


MAT 3728 (n, n') t:36-Kr-83g 37-Rb-86  
 Radionuclide Production Cross Section 180.0 dth 582.0 %

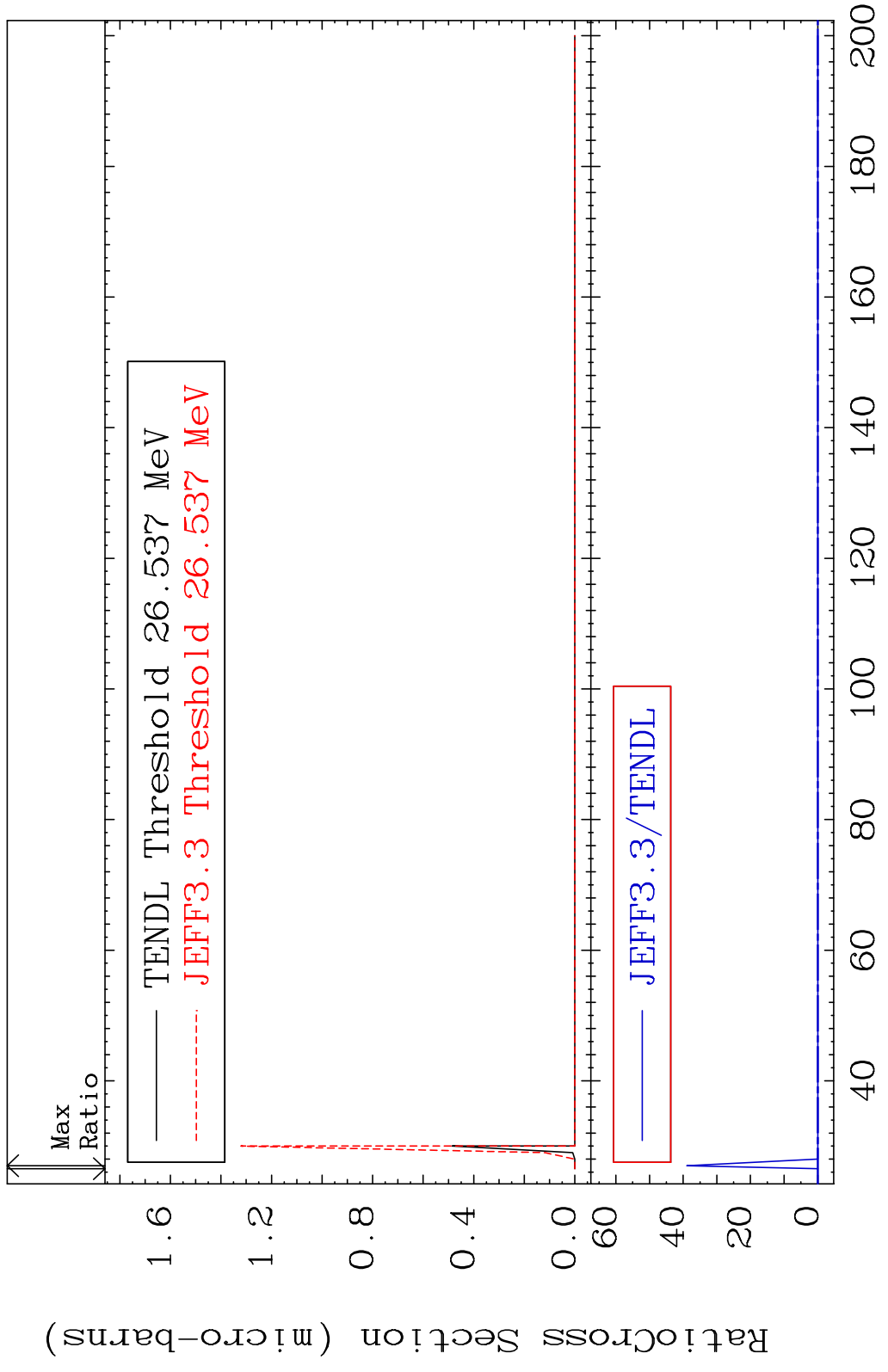


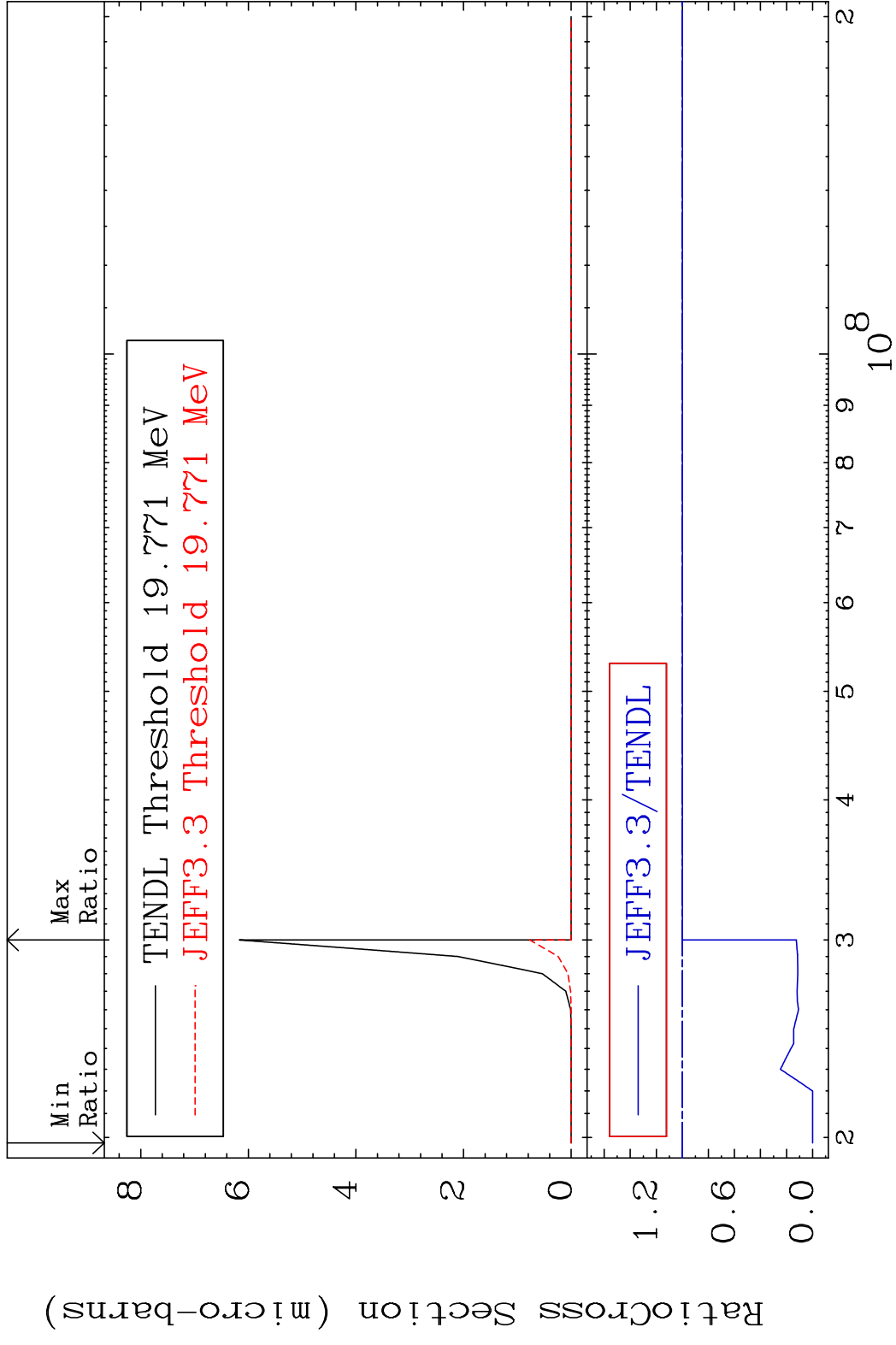


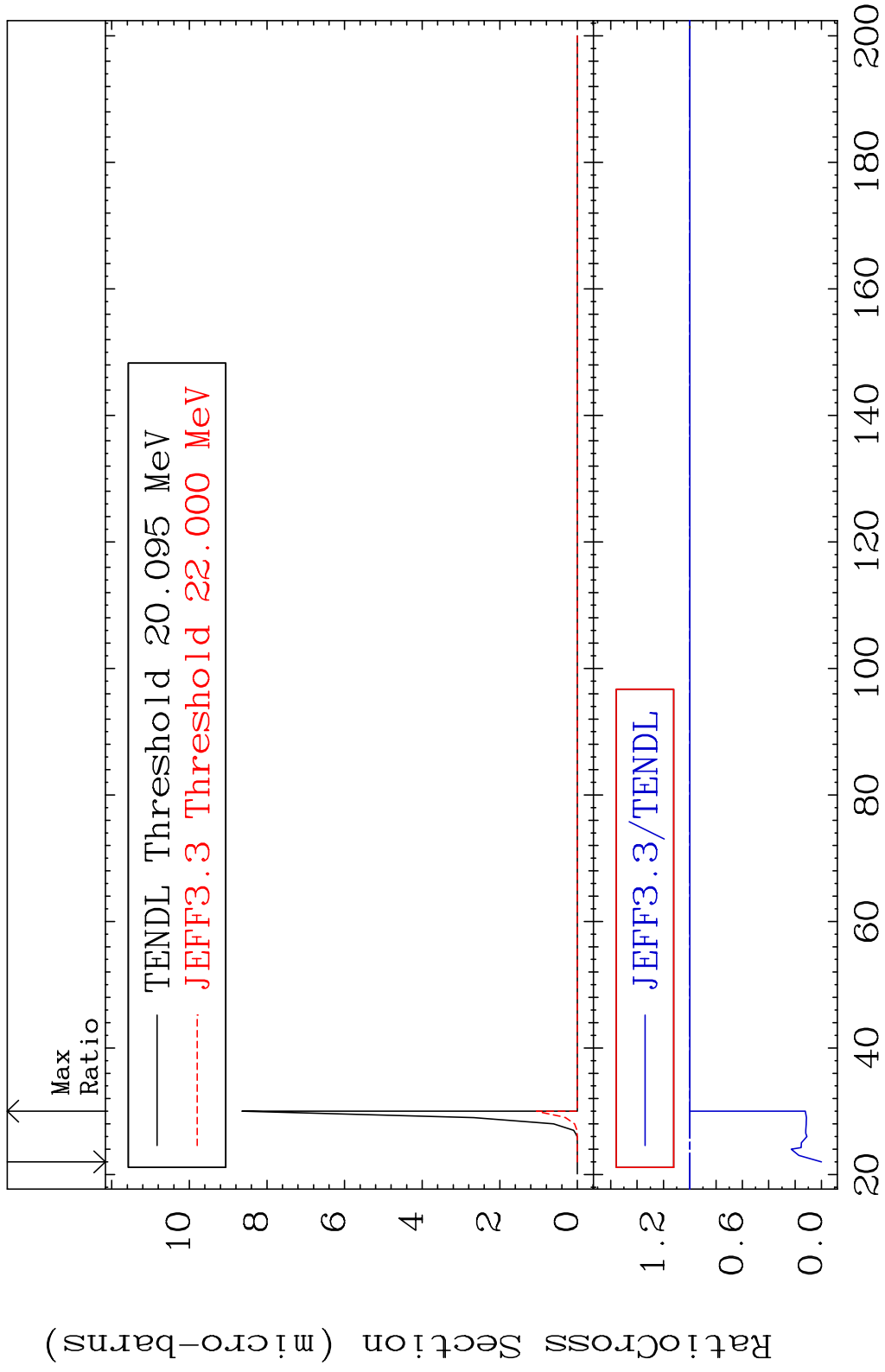
MAT 3728 (n, 3n) p:36-Kr-83g 37-Rb-86  
 Radionuclide Production Cross Section 100.00 % 9999. %

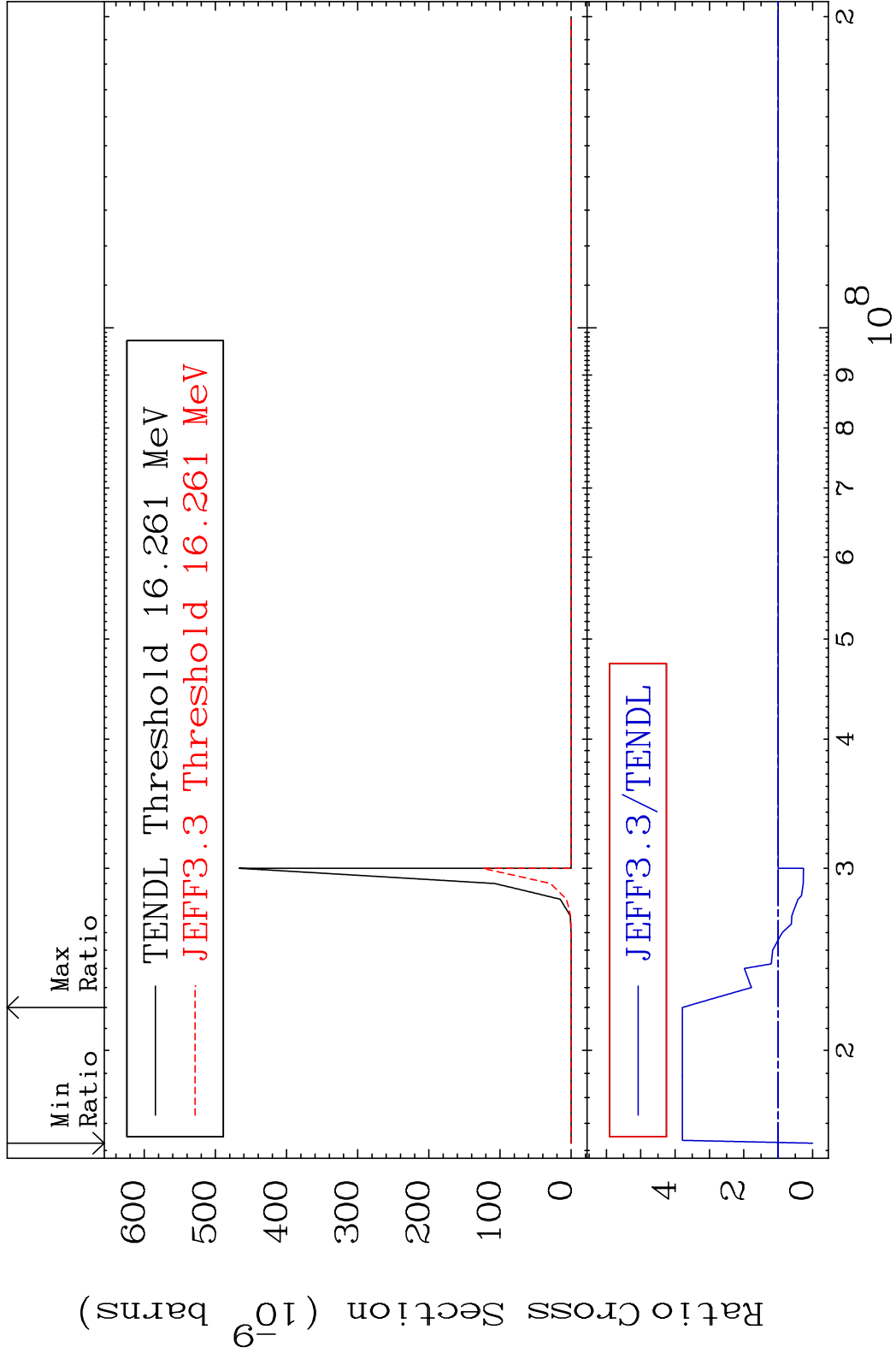


90 Incident Energy (MeV) 37-Rb-86

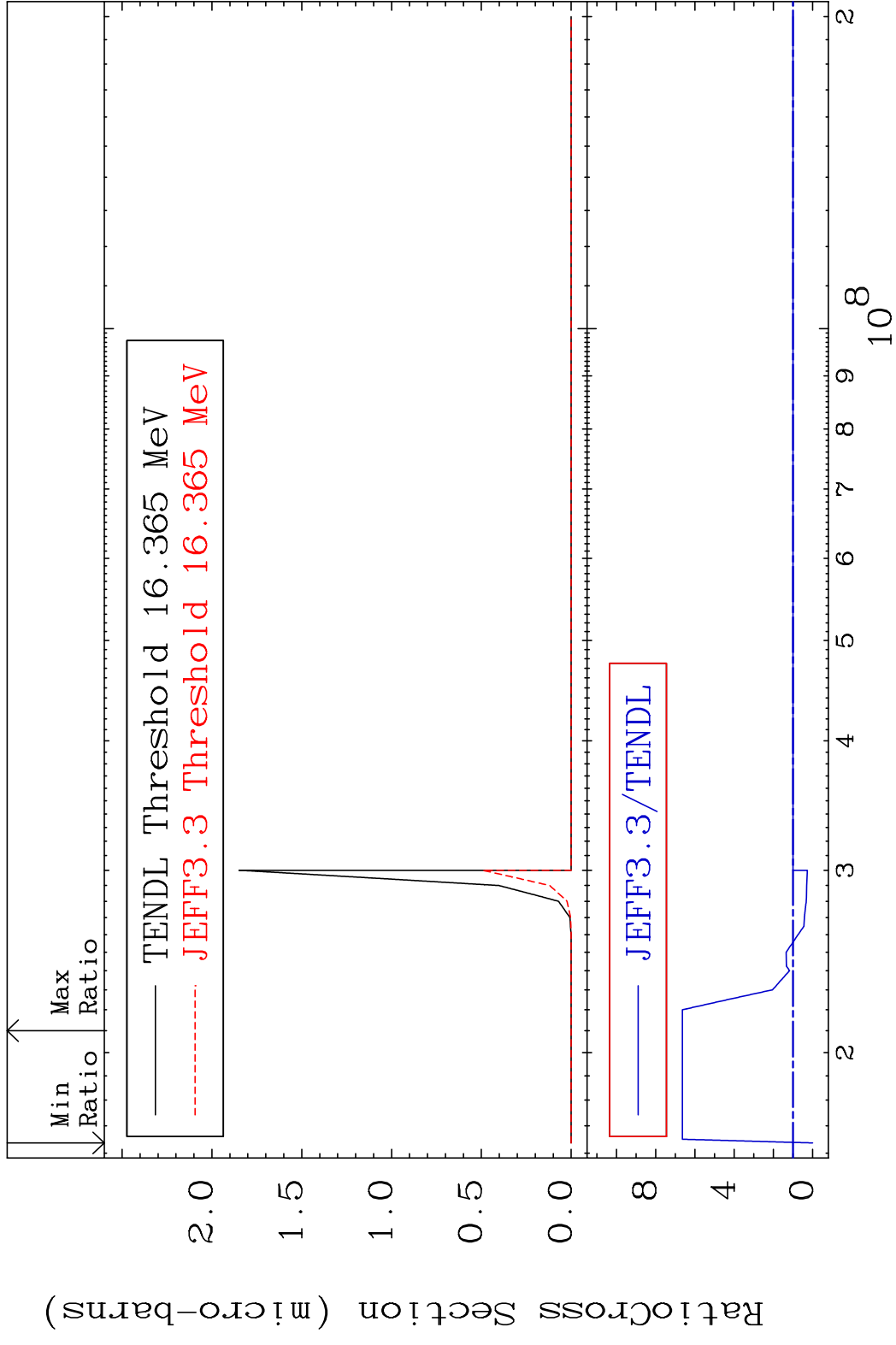






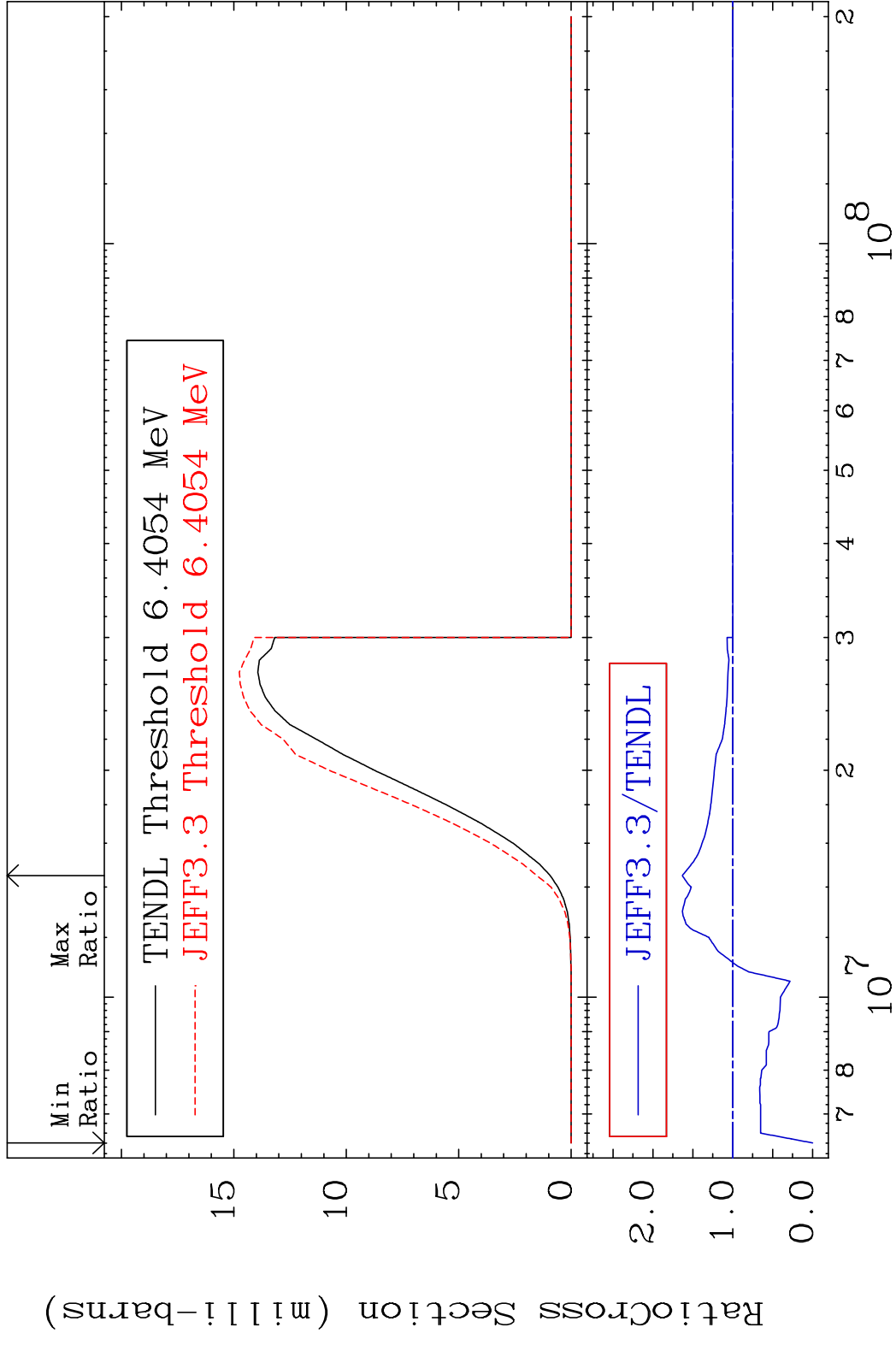


MAT 3728 (n, n') p  $\alpha$ :34-Se-81m1 37-Rb-86  
 Radionuclide Production Cross Section 180.0 dno 564.0 %





MAT 3728 (n, d):36-Kr-85g 37-Rb-86  
 Radionuclide Production Cross Section 63.09 %

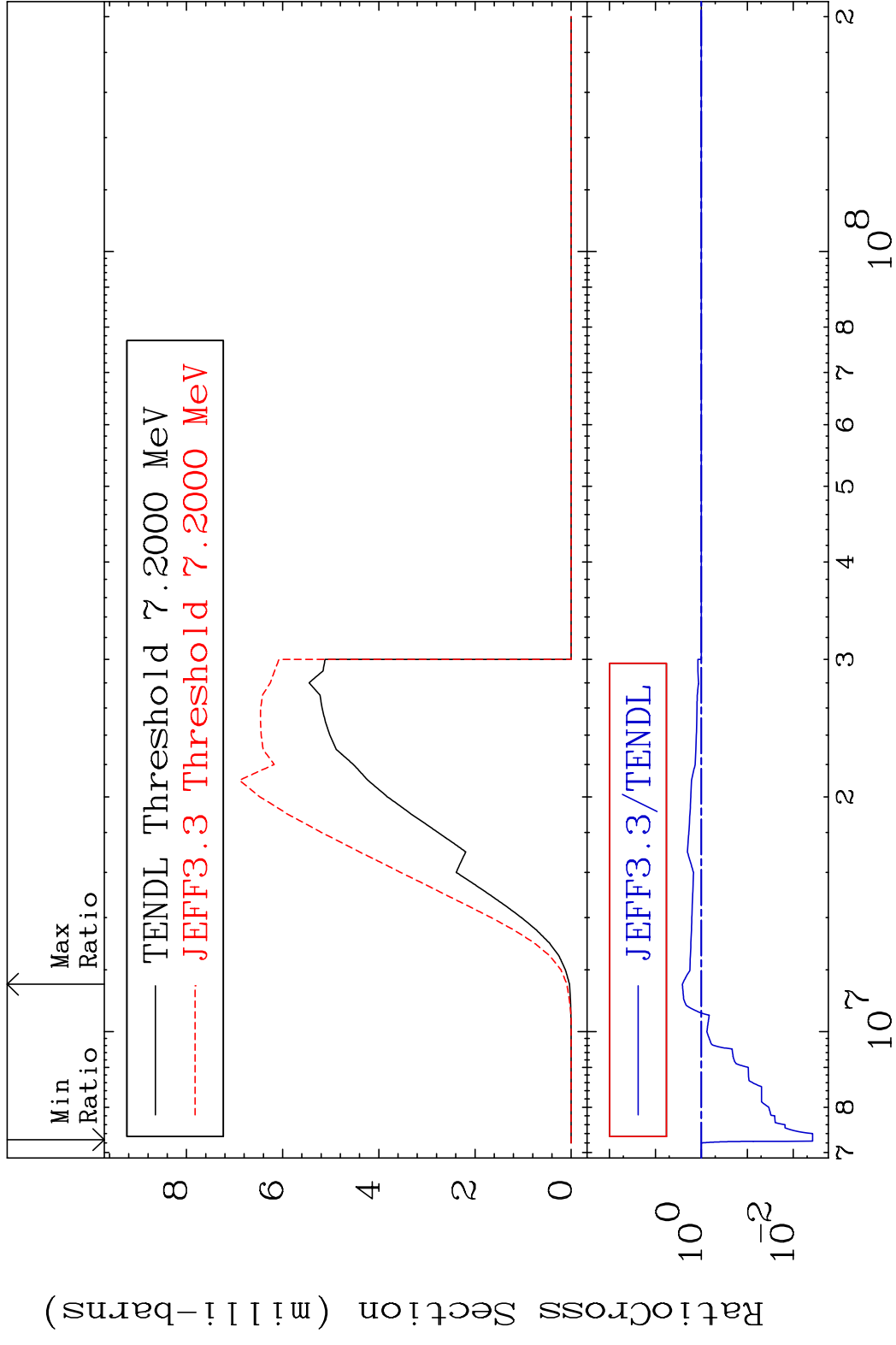


MAT 3728

(n, d):36-Kr-85m1

37-Rb-86

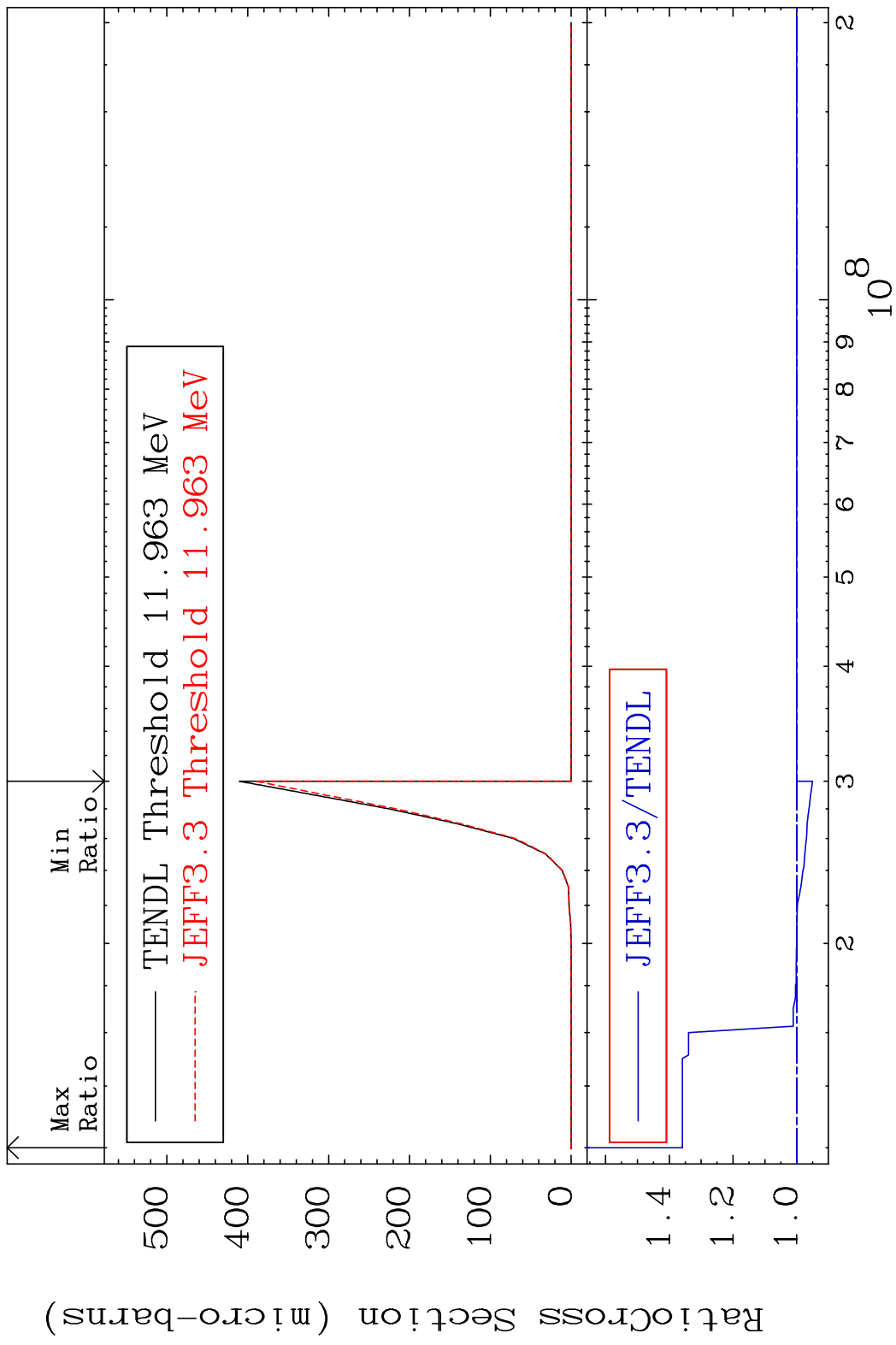
Radionuclide Production Cross Section 159.0 %

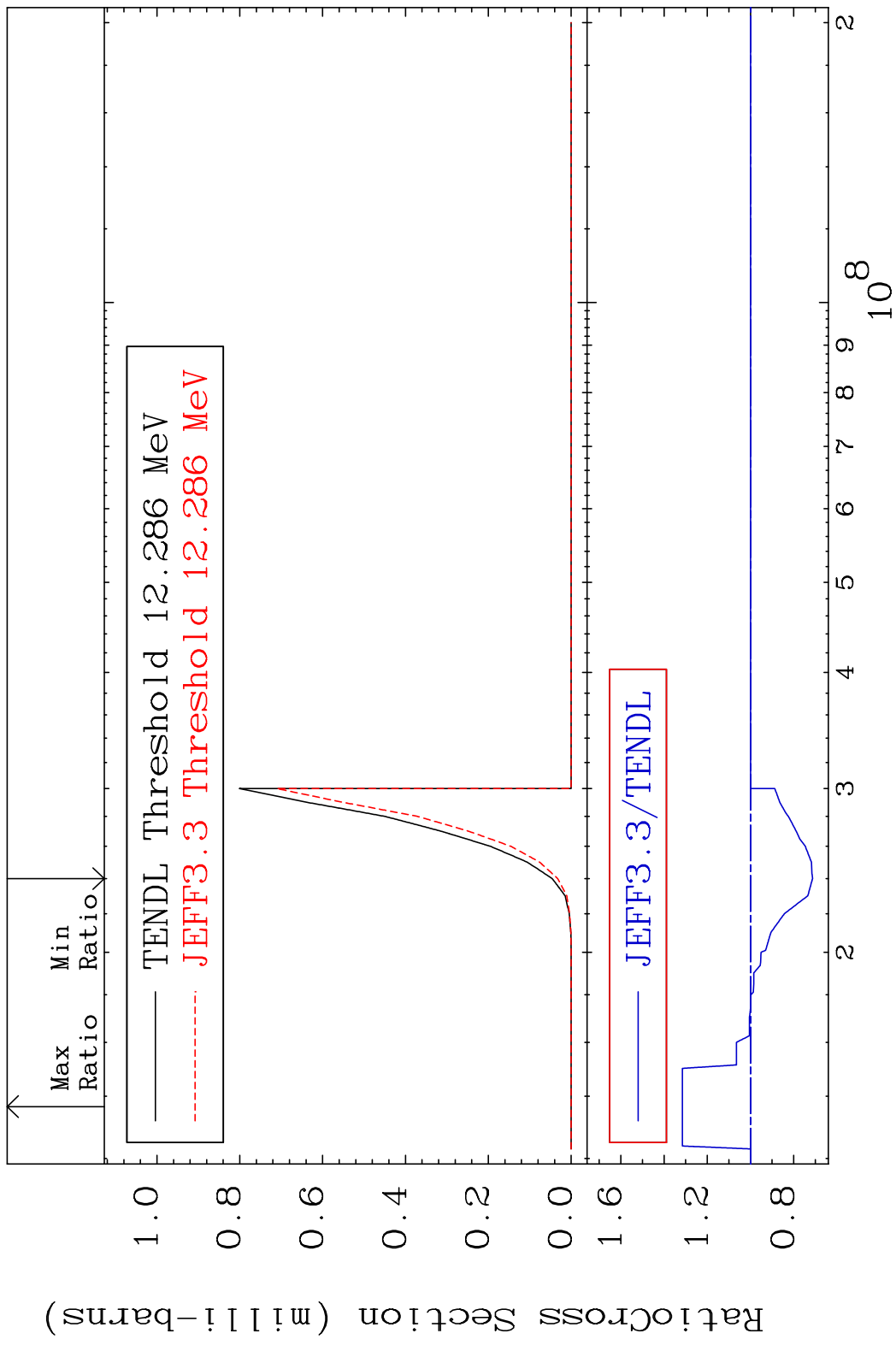


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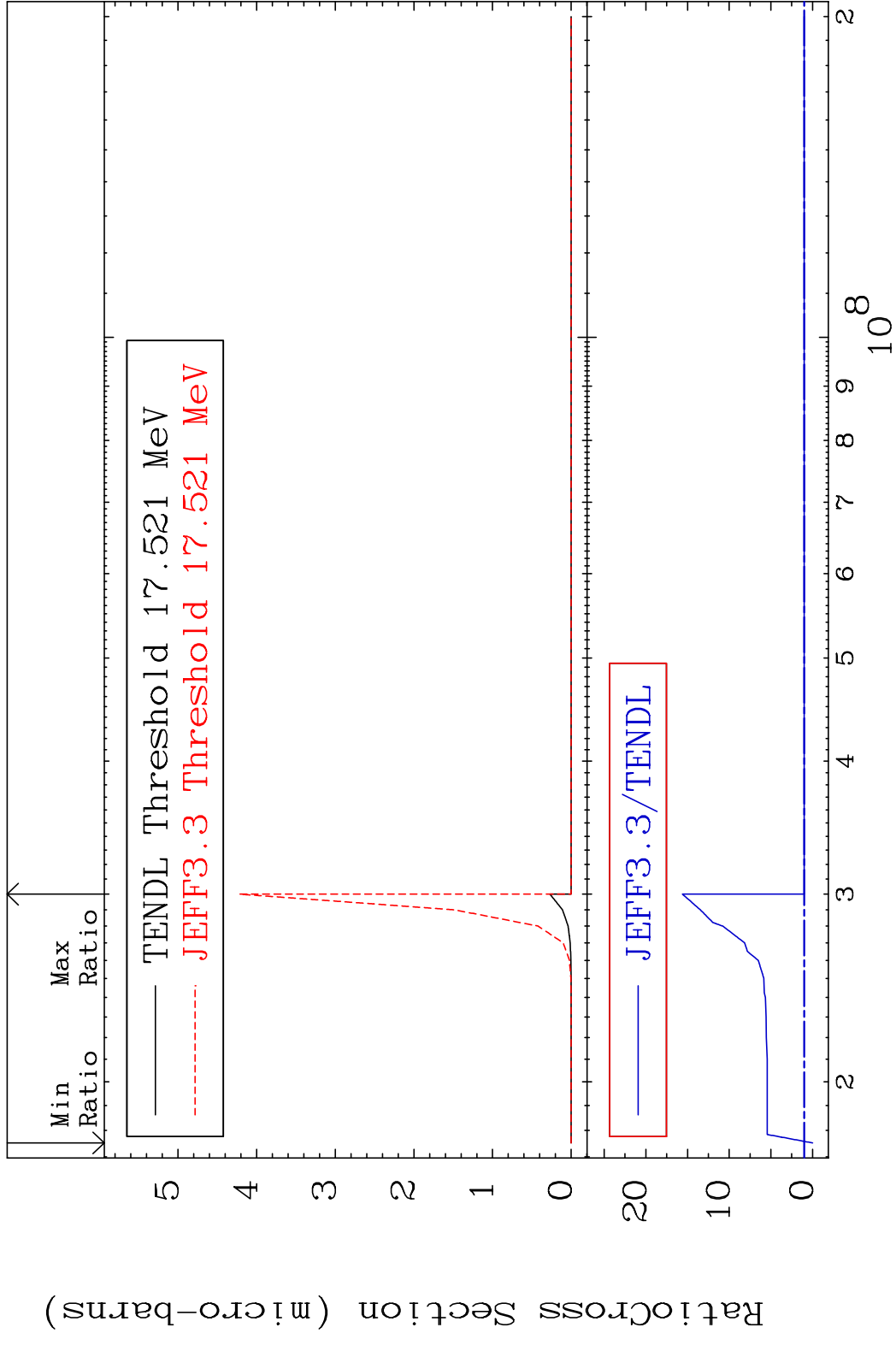
Incident Energy (eV)

37-Rb-86





MAT 3728 (n, p) d:35-Br-84g 37-Rb-86  
 Radionuclide Production Cross Section 100% 1462. %



100 Incident Energy (eV) 37-Rb-86

MAT 3728 (n, p) d:35-Br-84m1 37-Rb-86  
 Radionuclide Production Cross Section 1539. %

