

Program Complot  
(Version 2021-1)

by

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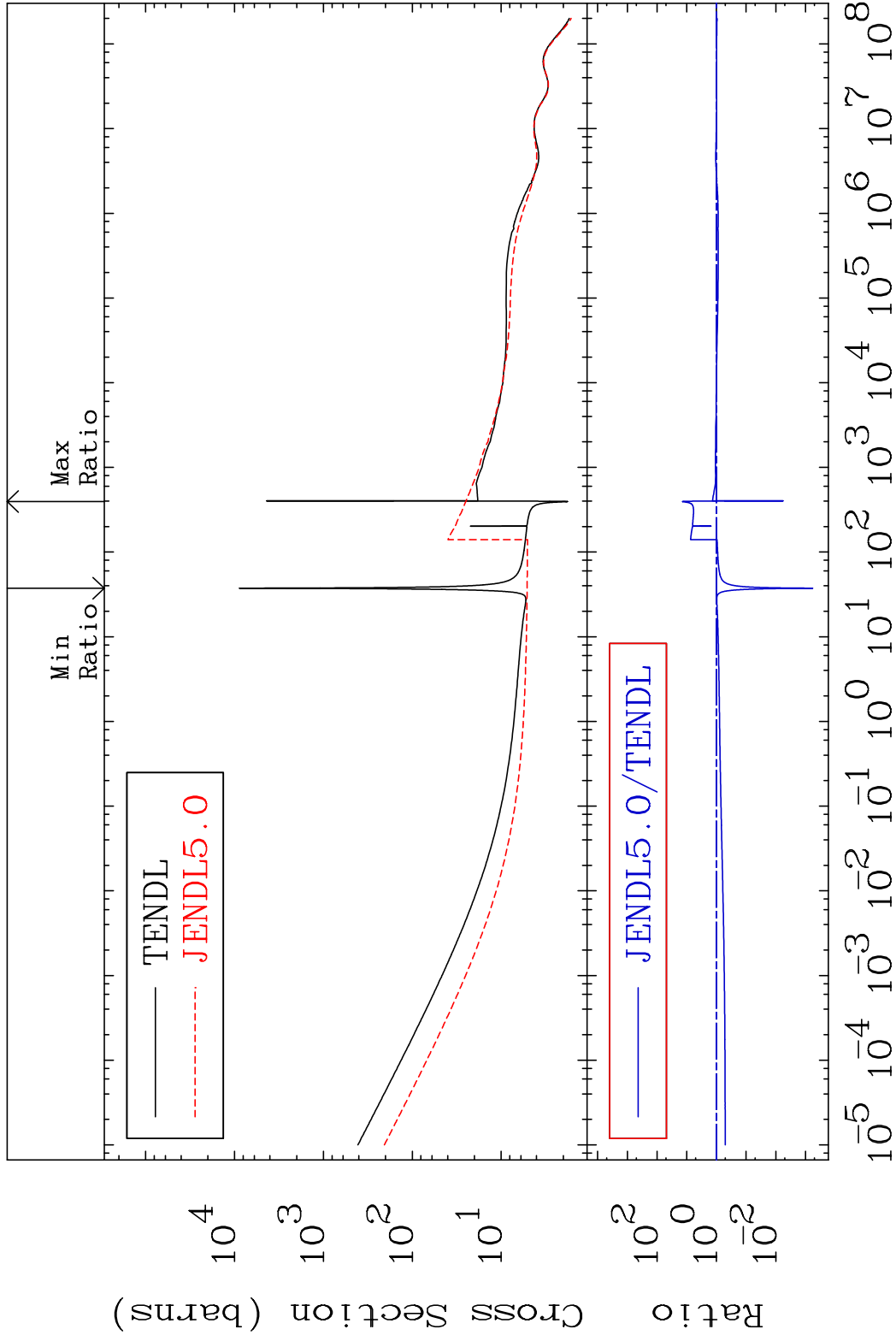
Press Mouse Button to Start

MAT 4431

Total

44-Ru-98

Cross Section -99.94 To 1303. %



1

Incident Energy (eV)

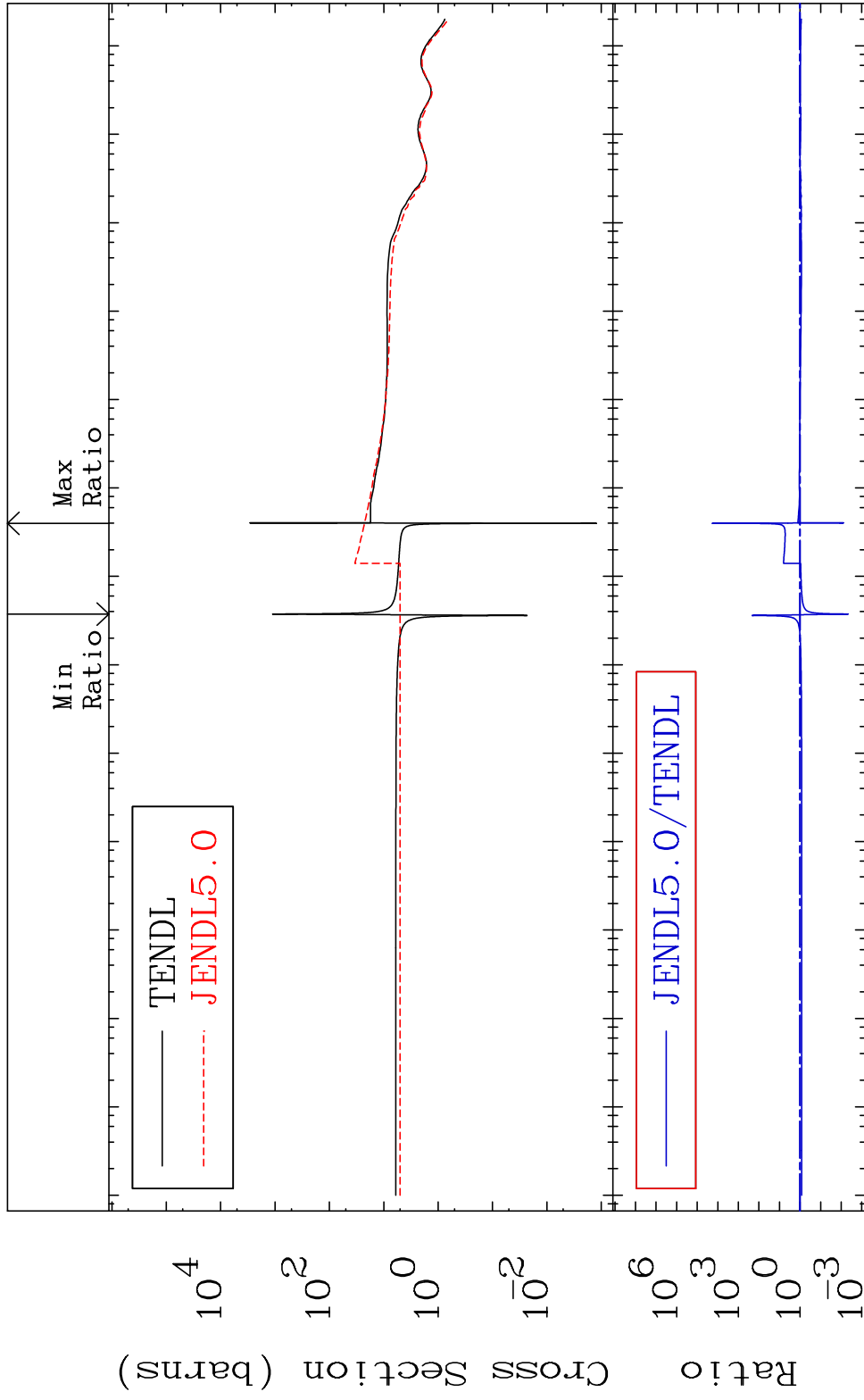
44-Ru-98

MAT 4431

Elastic

44-Ru-98

Cross Section -99.55 To 9999. %



2

Incident Energy (eV)

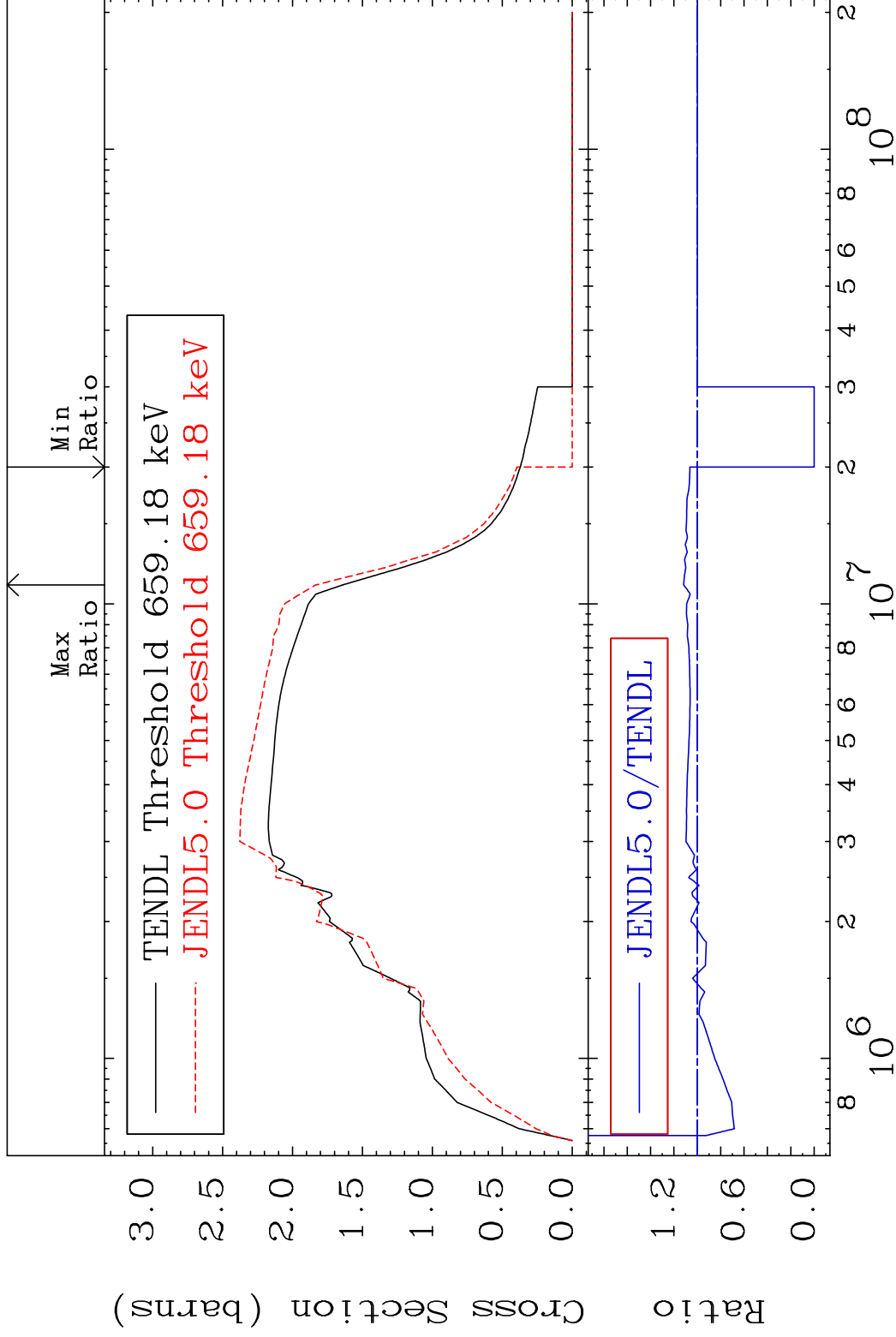
44-Ru-98

MAT 4431

Inelastic

44-Ru-98

Cross Section -100.0 To 11.68 %

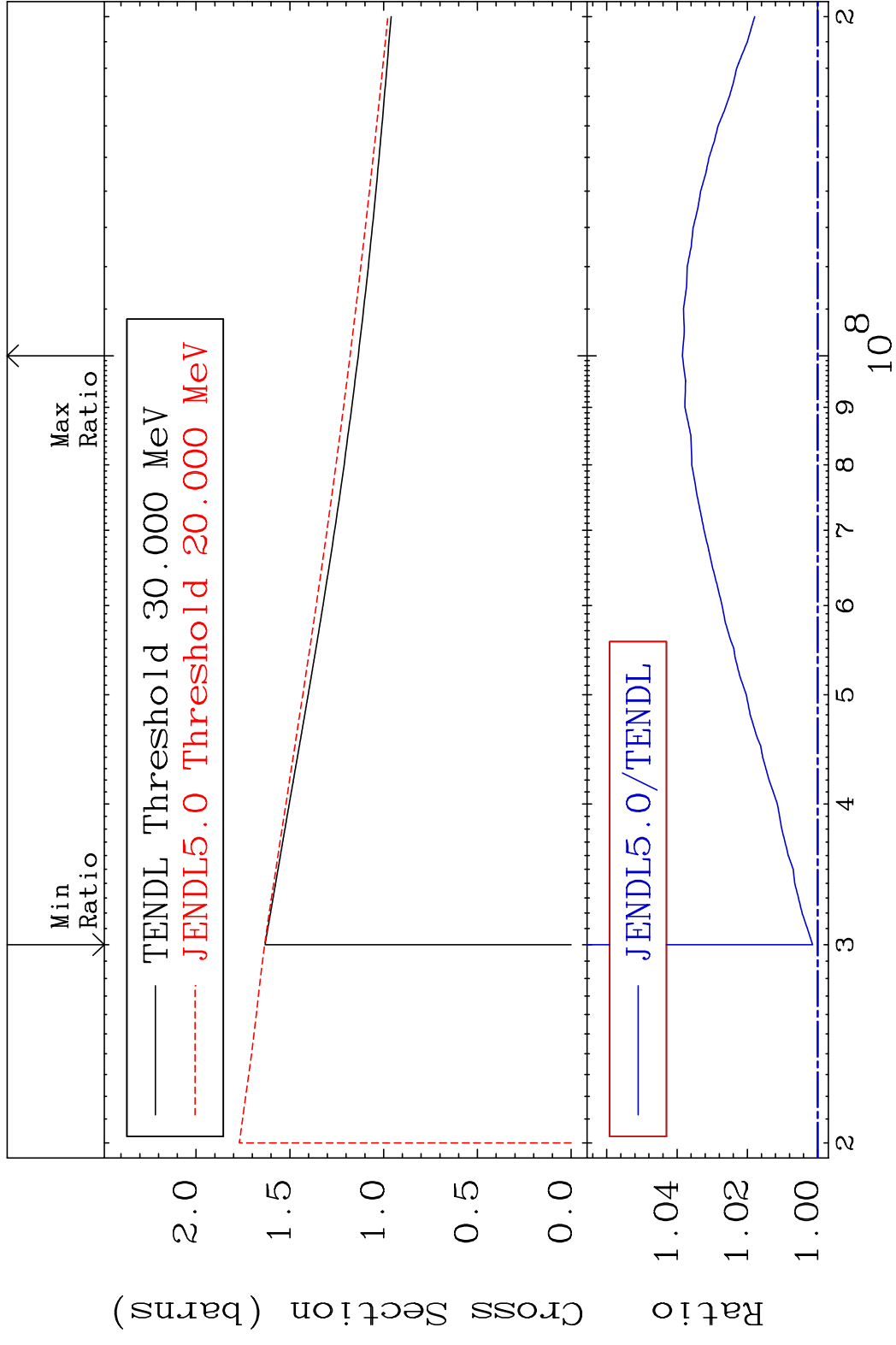


3

Incident Energy (eV)

44-Ru-98

MAT 4431 (n, remainder) 44-Ru-98  
 Cross Section 0.145 To 3.849 %



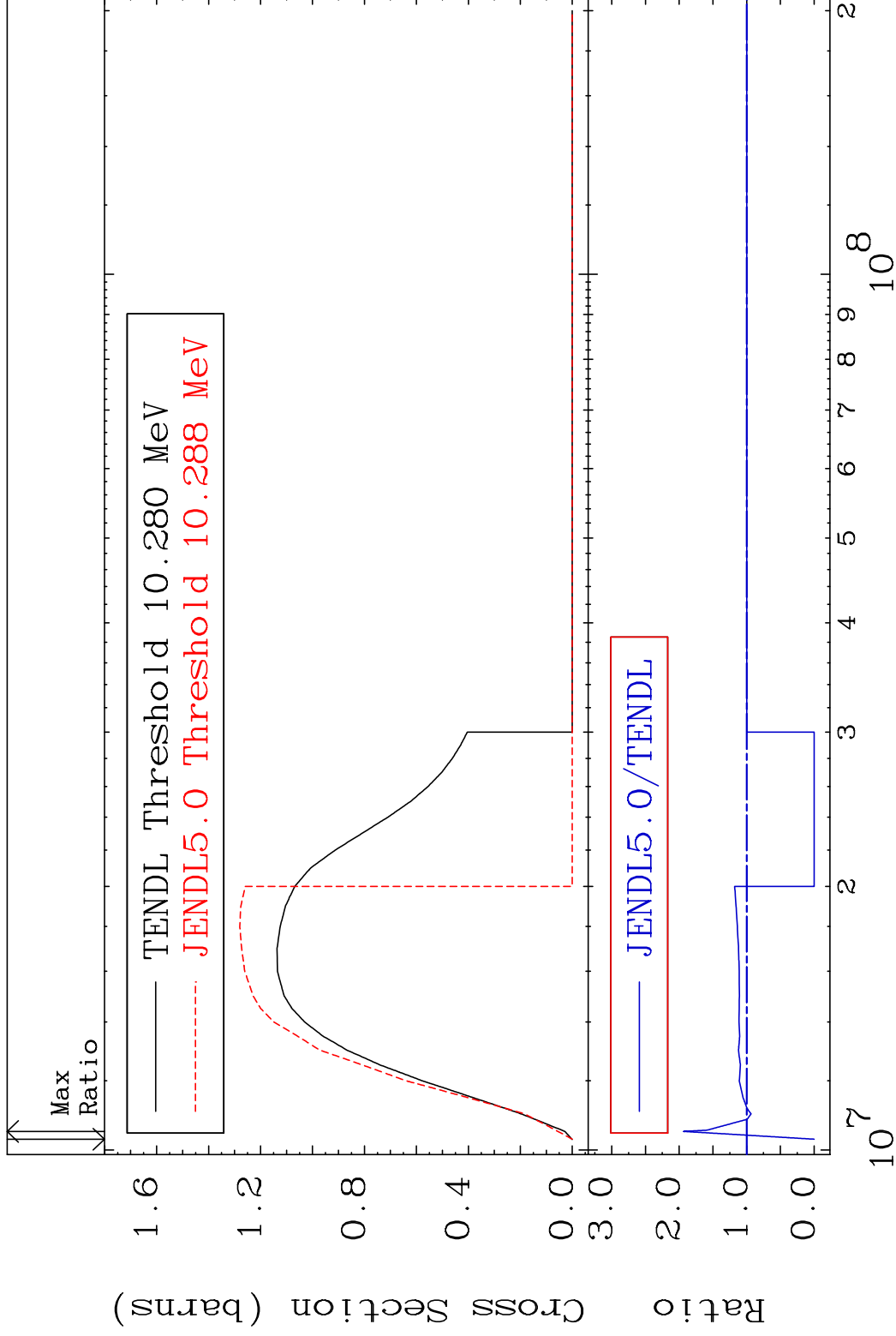
4 Incident Energy (eV) 44-Ru-98

MAT 4431

(n,2n)

44-Ru-98

Cross Section -100.0 To 93.37 %



5

Incident Energy (eV)

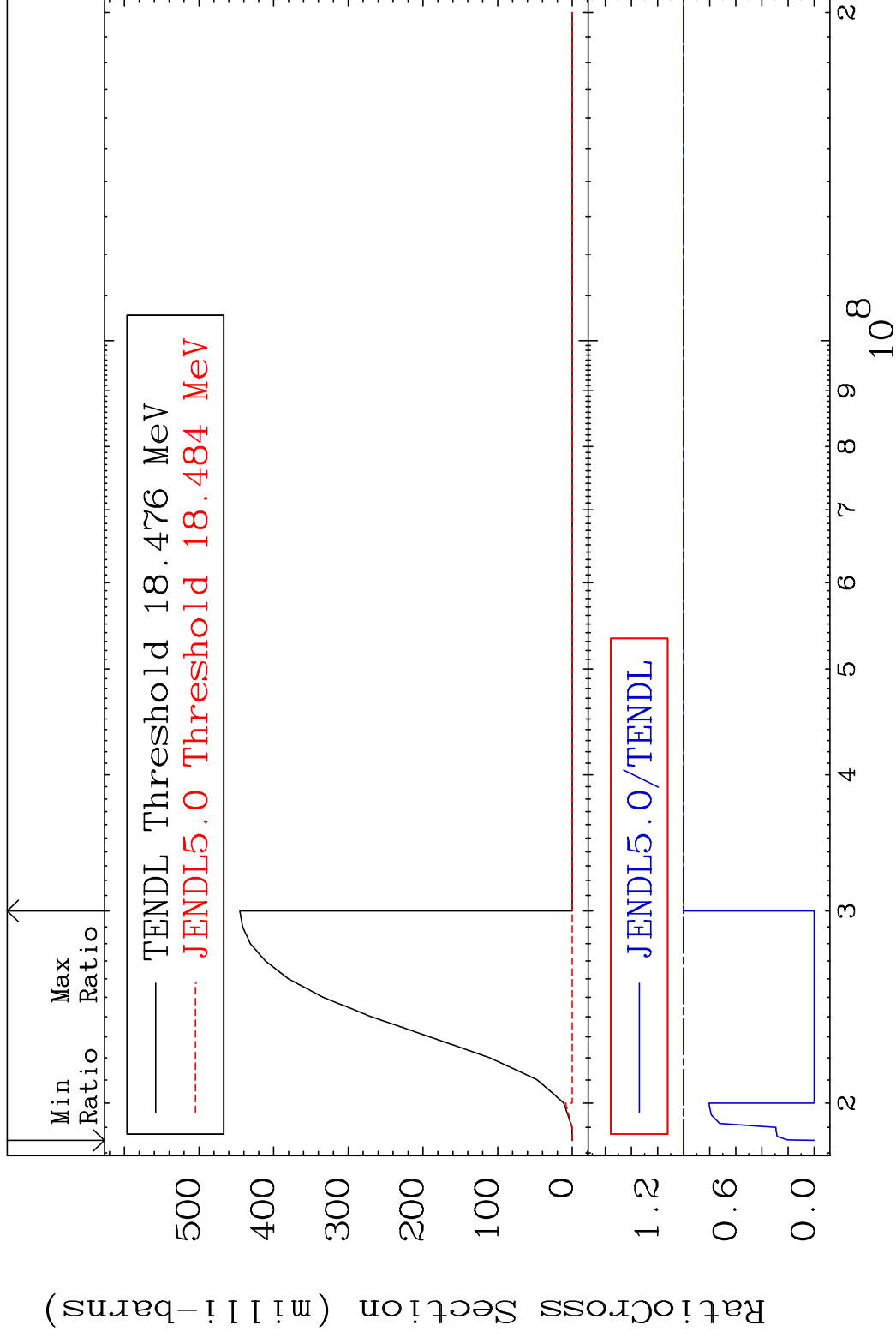
44-Ru-98

MAT 4431

(n,3n)

44-Ru-98

Cross Section -100.0 To 0.000 %



6

Incident Energy (eV)

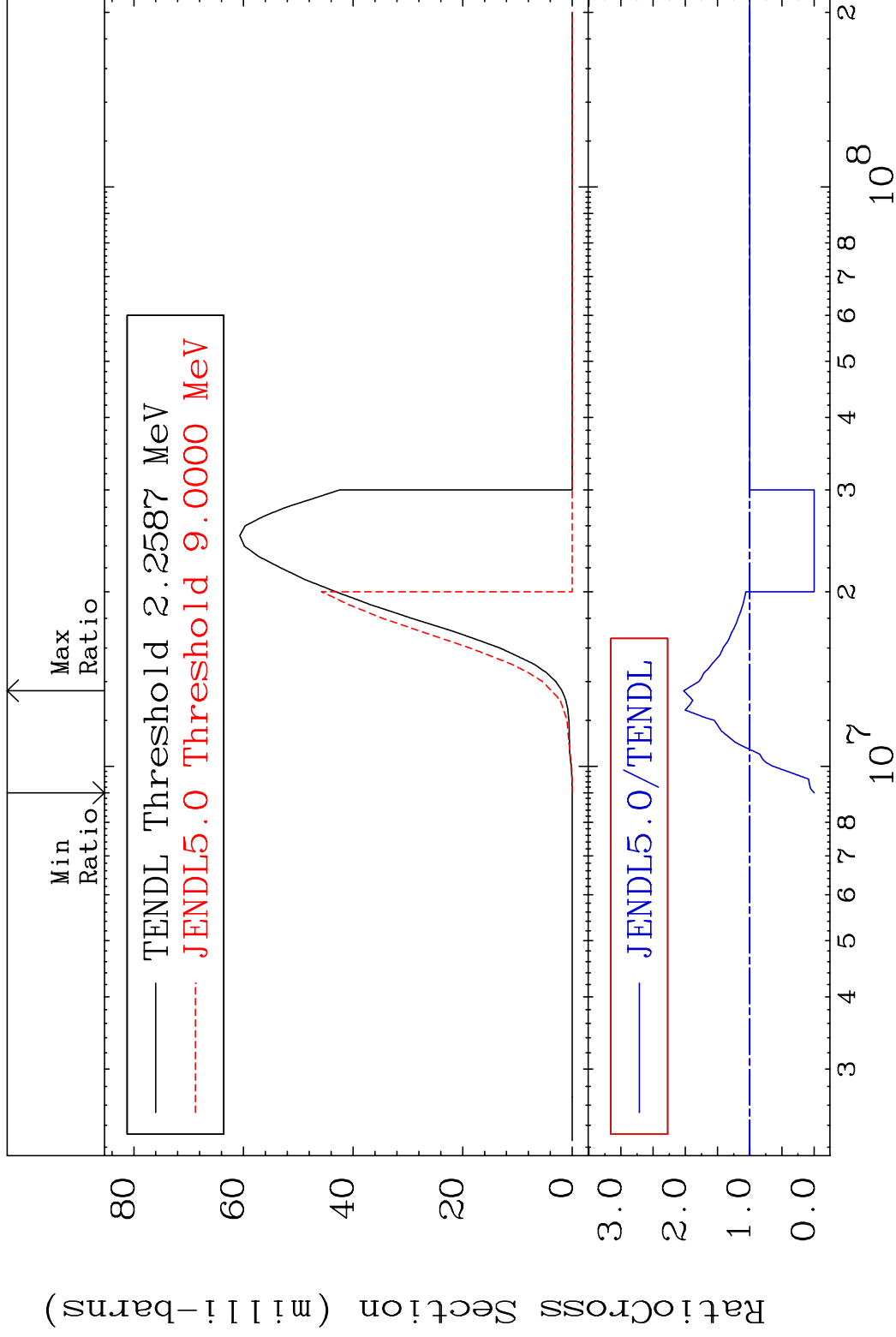
44-Ru-98

MAT 4431

(n, n')  $\alpha$

44-Ru-98

Cross Section -100.0 To 102.6 %



7

Incident Energy (eV)

44-Ru-98

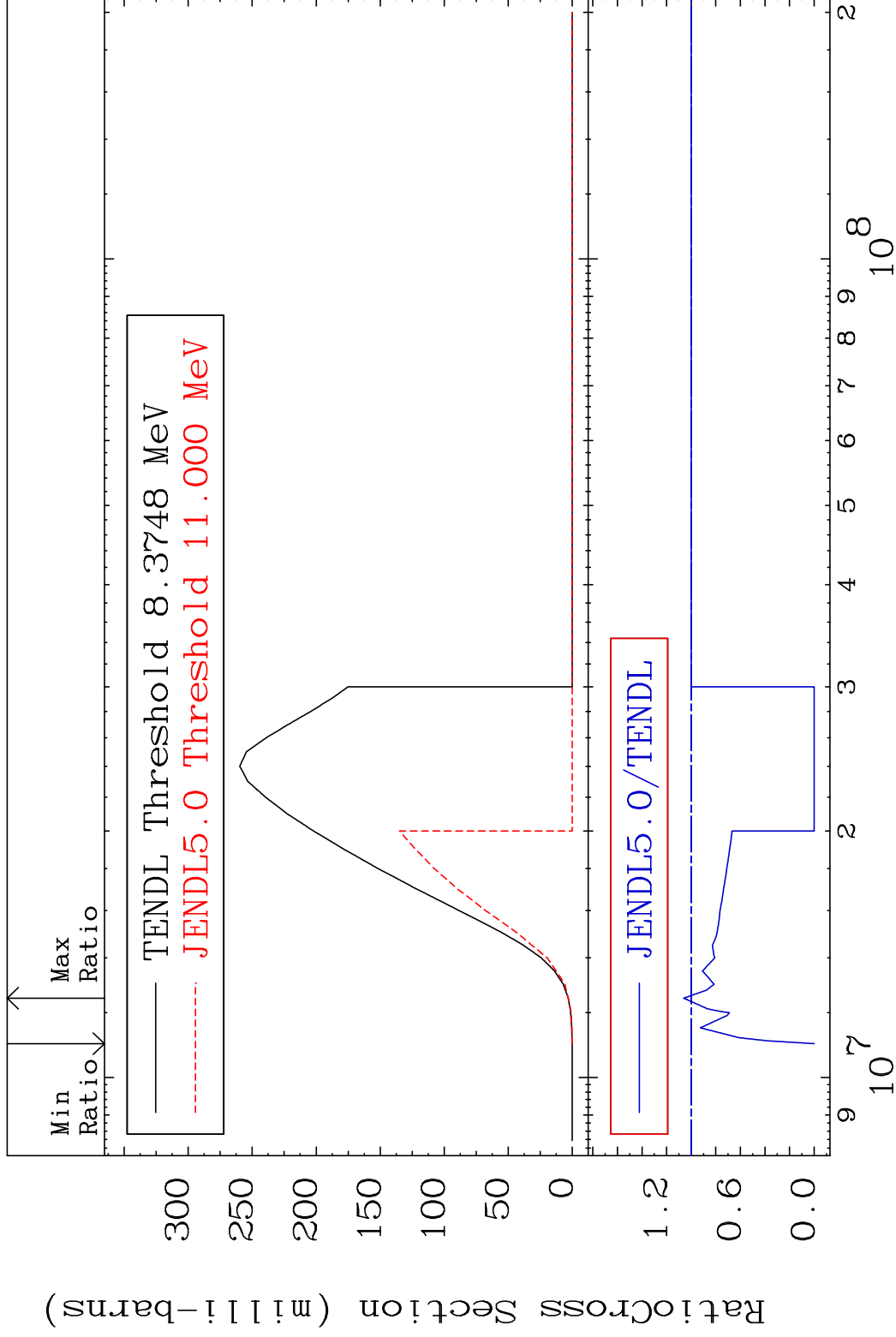


MAT 4431

(n, n') p

44-Ru-98

Cross Section -100.0 To 6.119 %

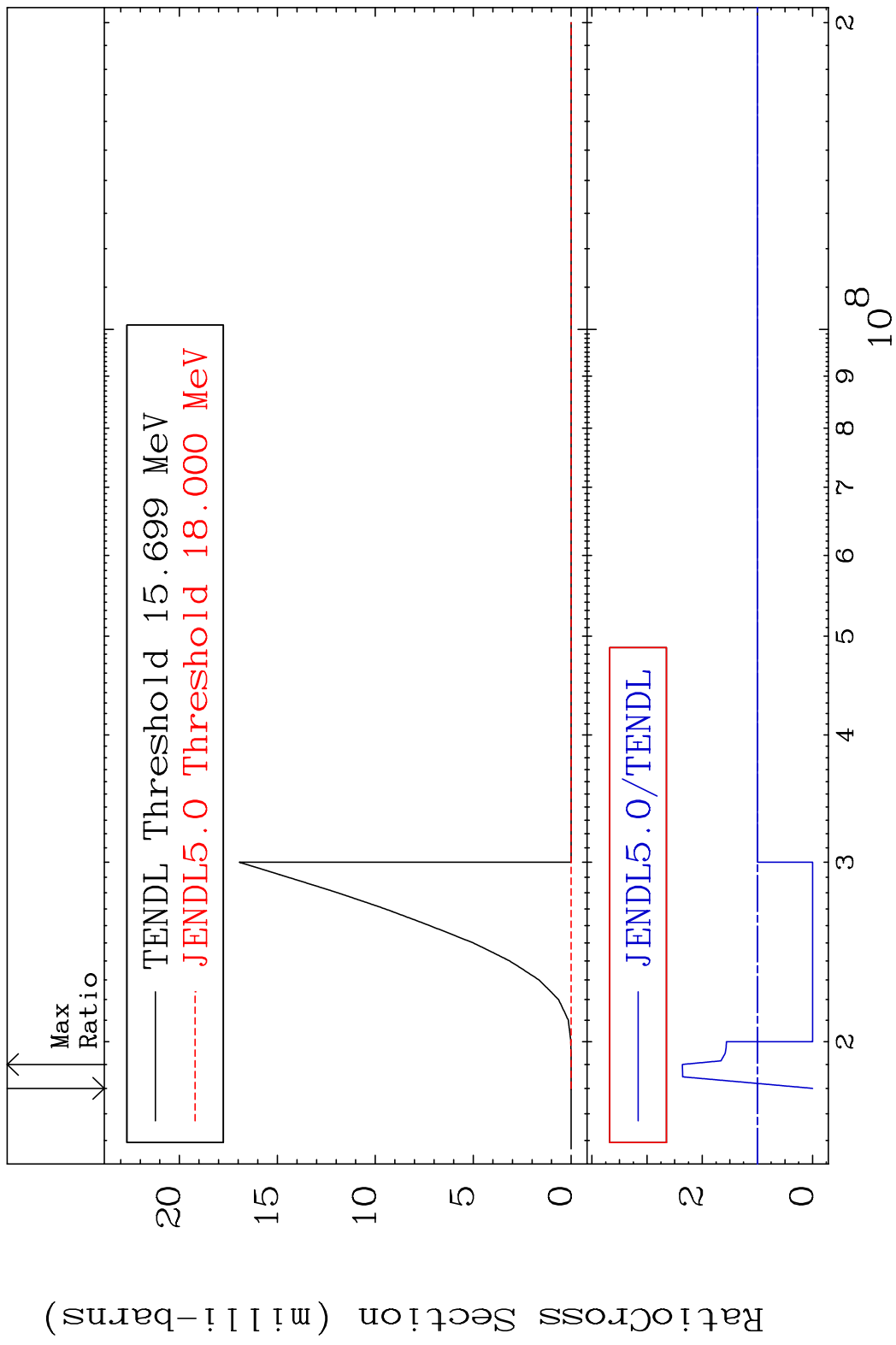


8

Incident Energy (eV)

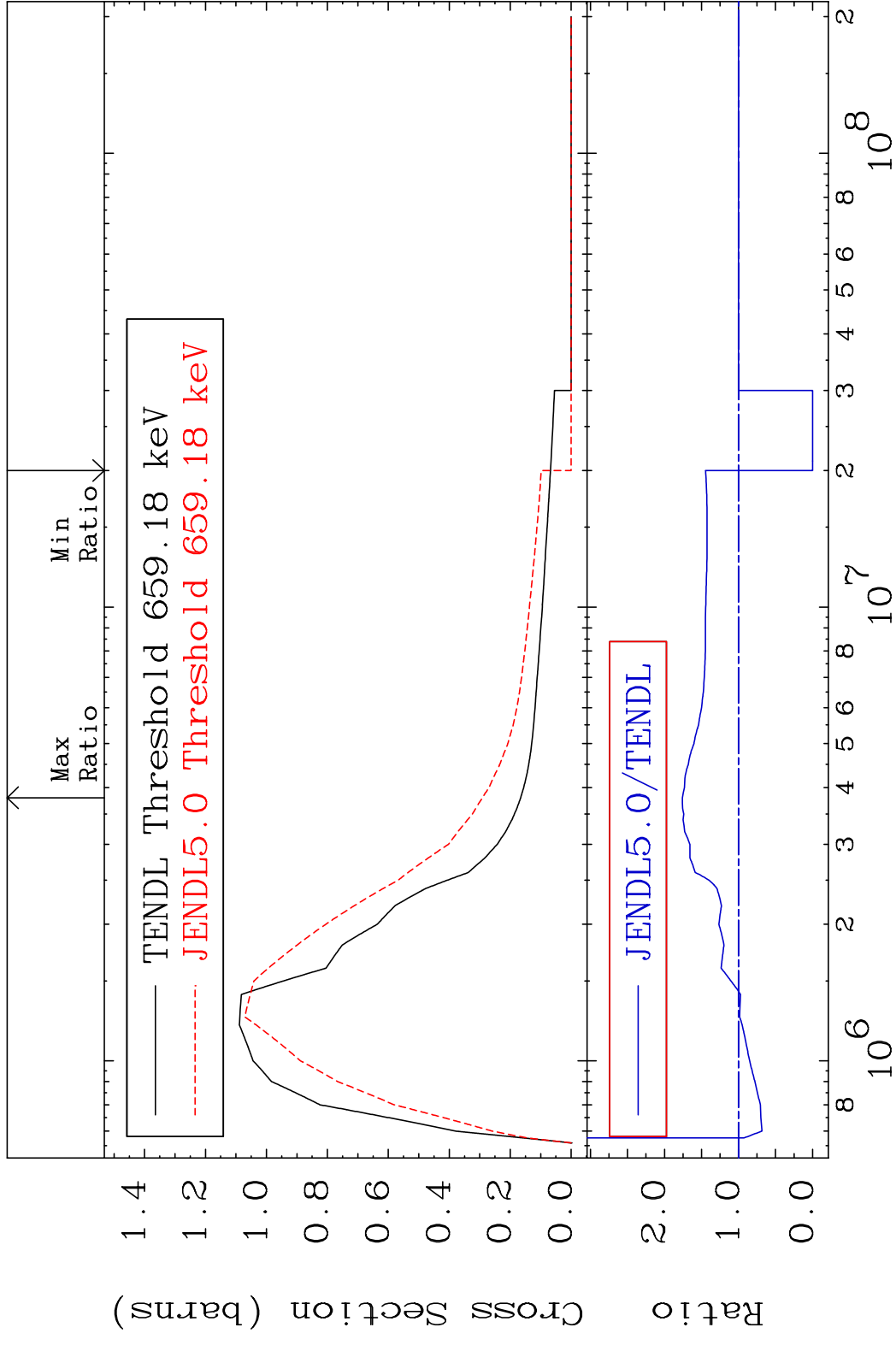
44-Ru-98

MAT 4431 (n, n') d 44-Ru-98  
 Cross Section -100.0 To 136.1 %



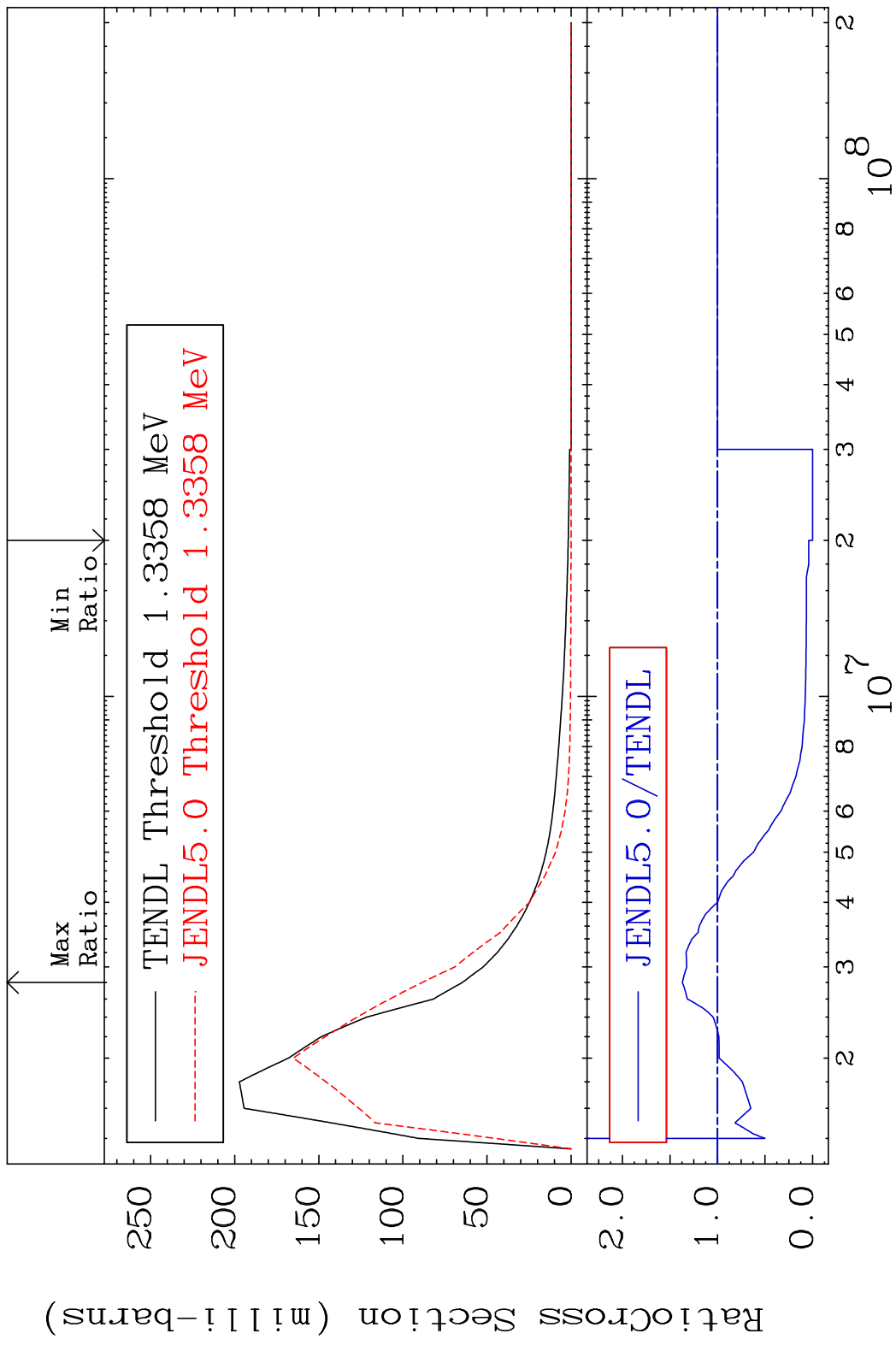
9 Incident Energy (eV) 44-Ru-98

MAT 4431 MT= 51 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 75.90 %

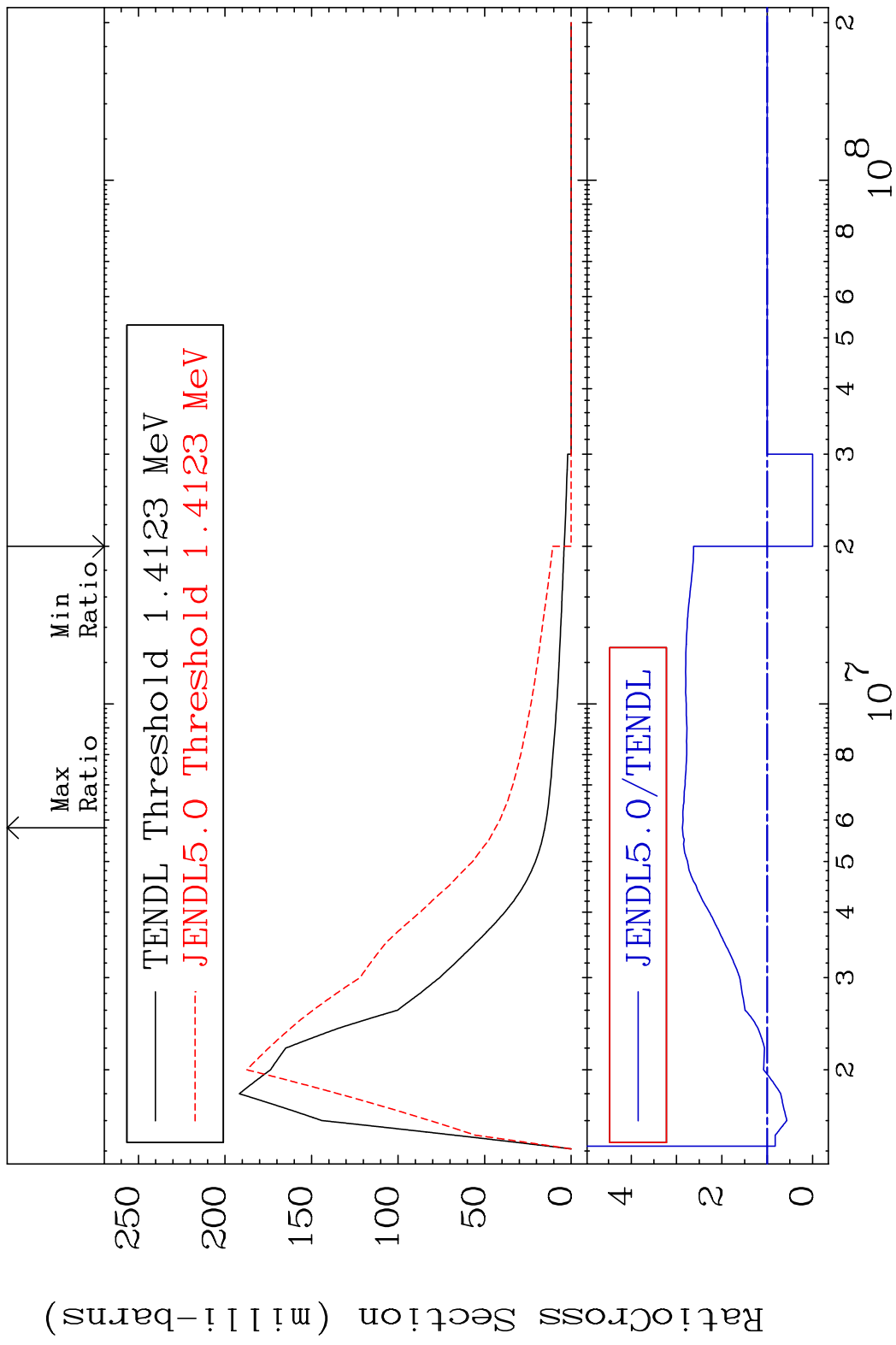


10 Incident Energy (eV) 44-Ru-98

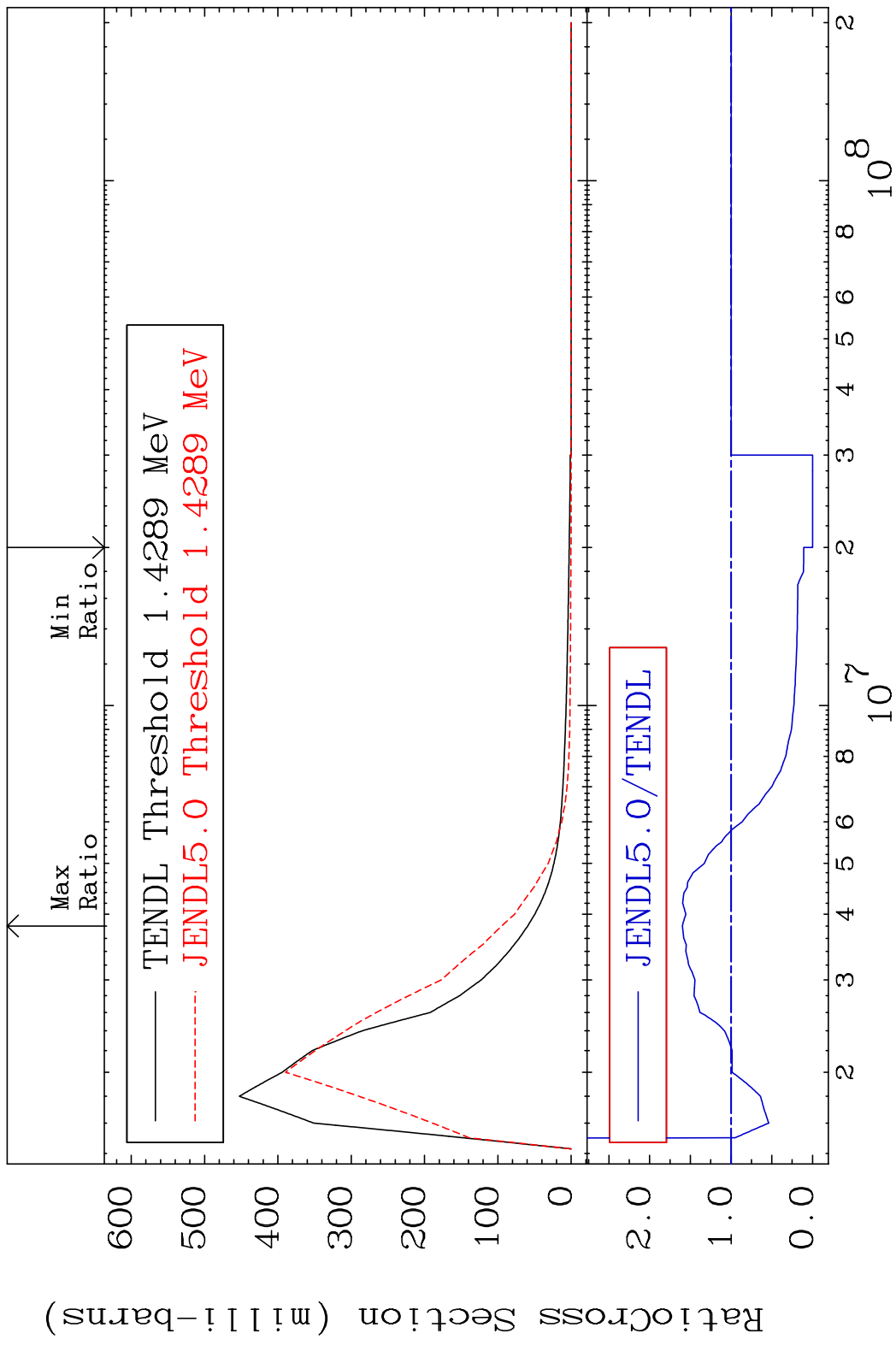
MAT 4431 MT= 52 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 36.98 %



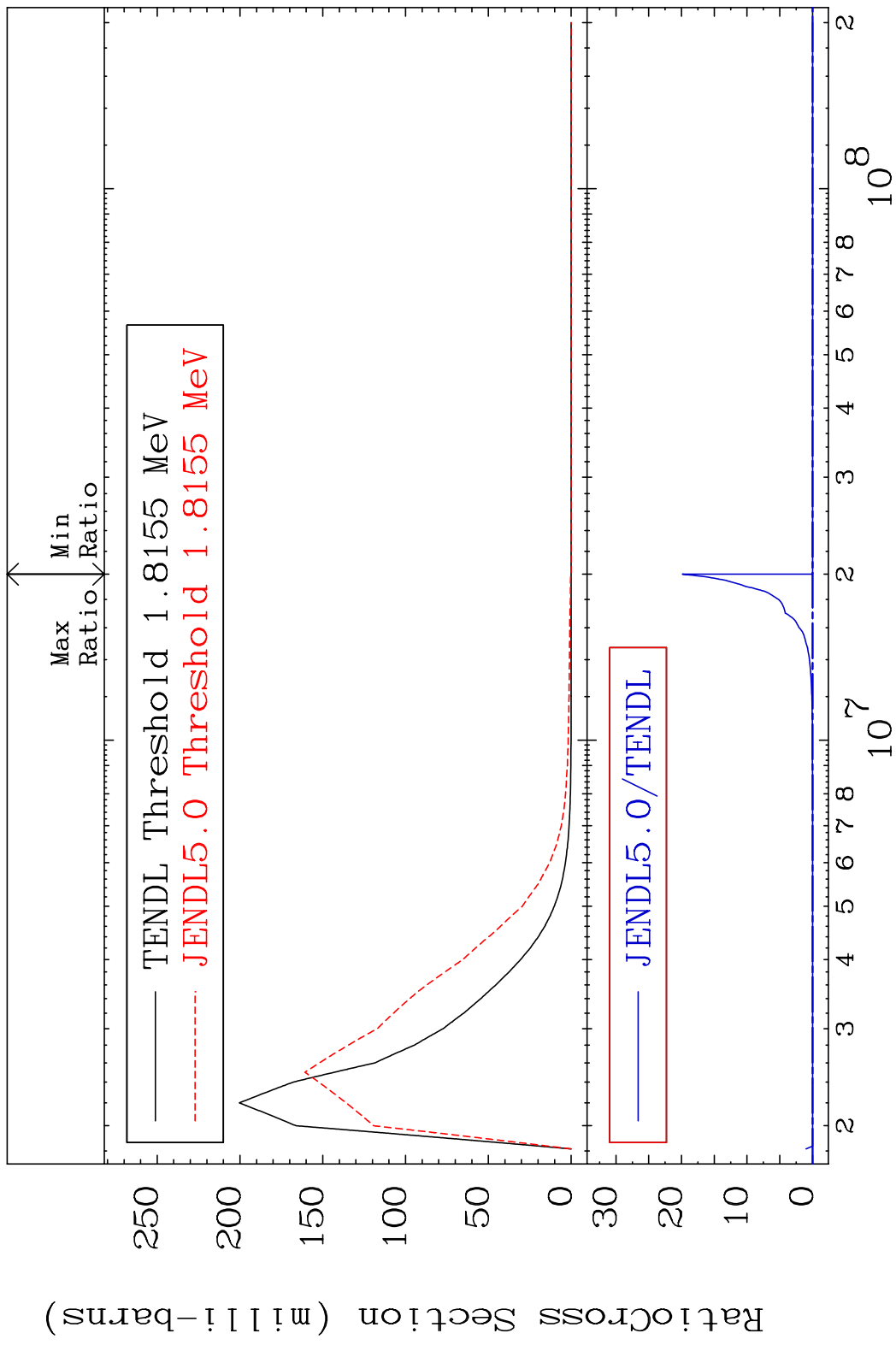
MAT 4431 MT= 53 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 187.2 %



MAT 4431 MT= 54 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 59.84 %

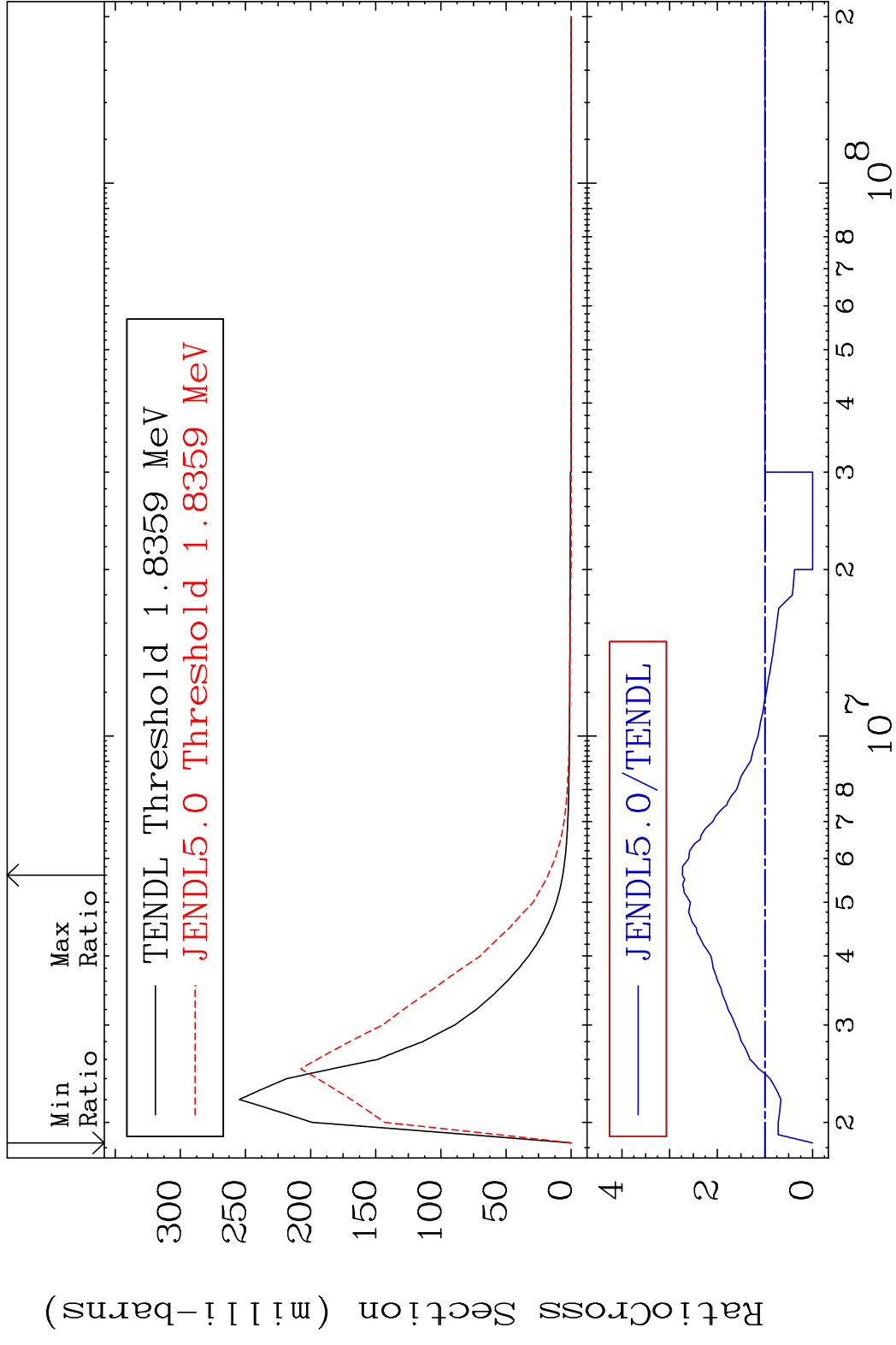


MAT 4431 MT= 55 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 9999. %



14 Incident Energy (eV) 44-Ru-98

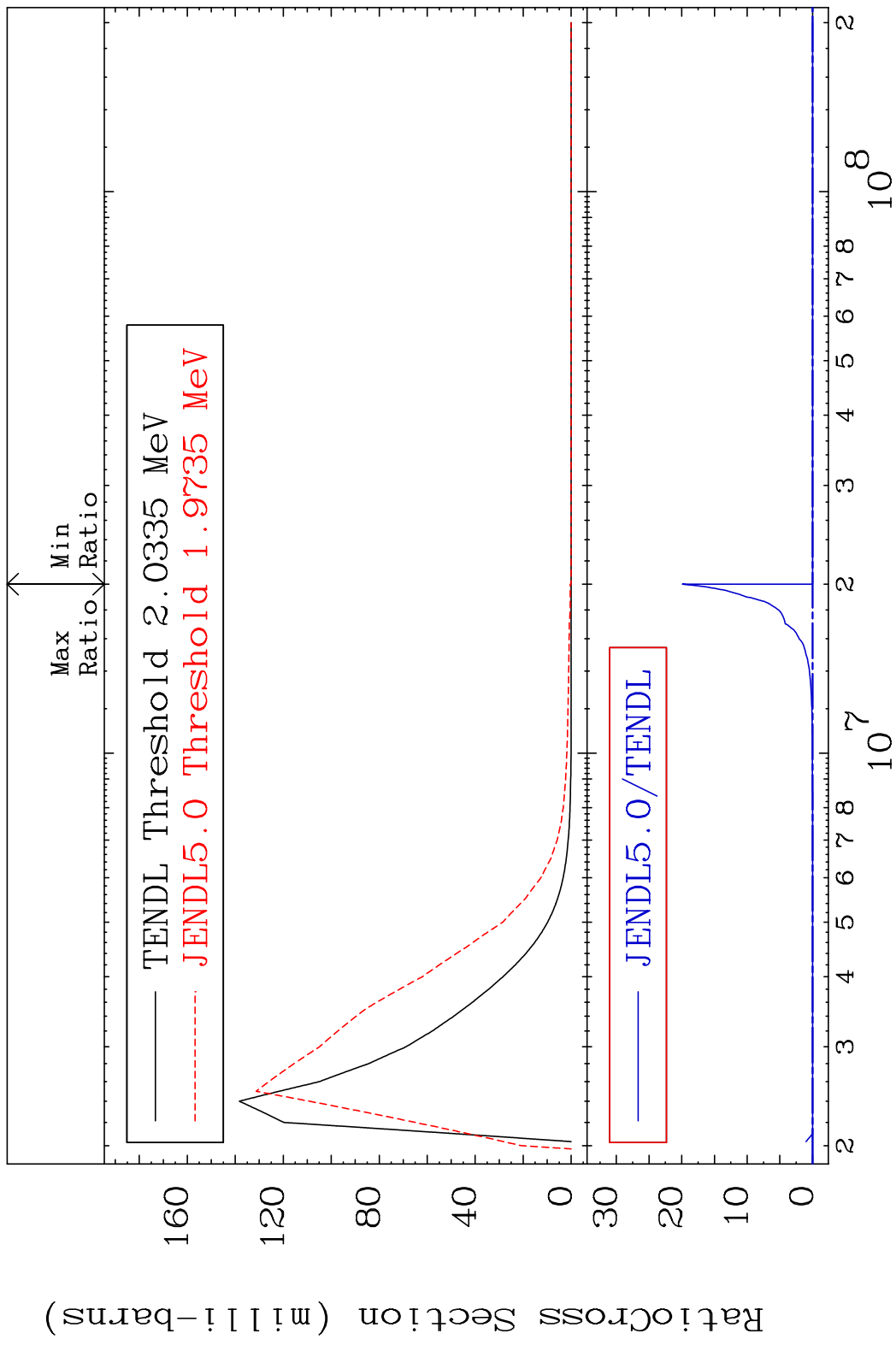
MAT 4431 MT= 56 (n,n') Level 44-Ru-98  
 Cross Section -100.0 To 173.1 %



15 Incident Energy (eV) 44-Ru-98

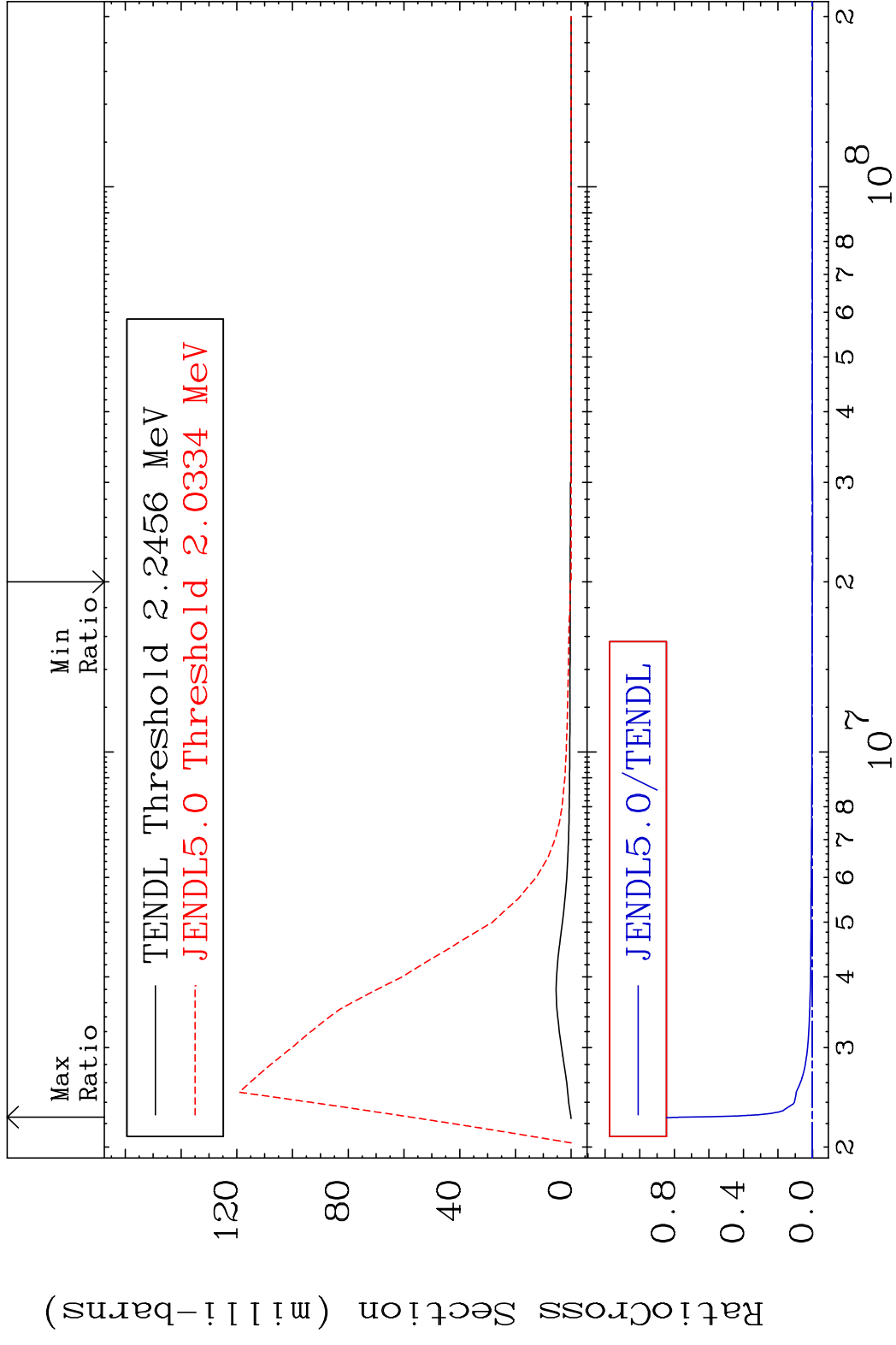


MAT 4431 MT= 57 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 9999. %



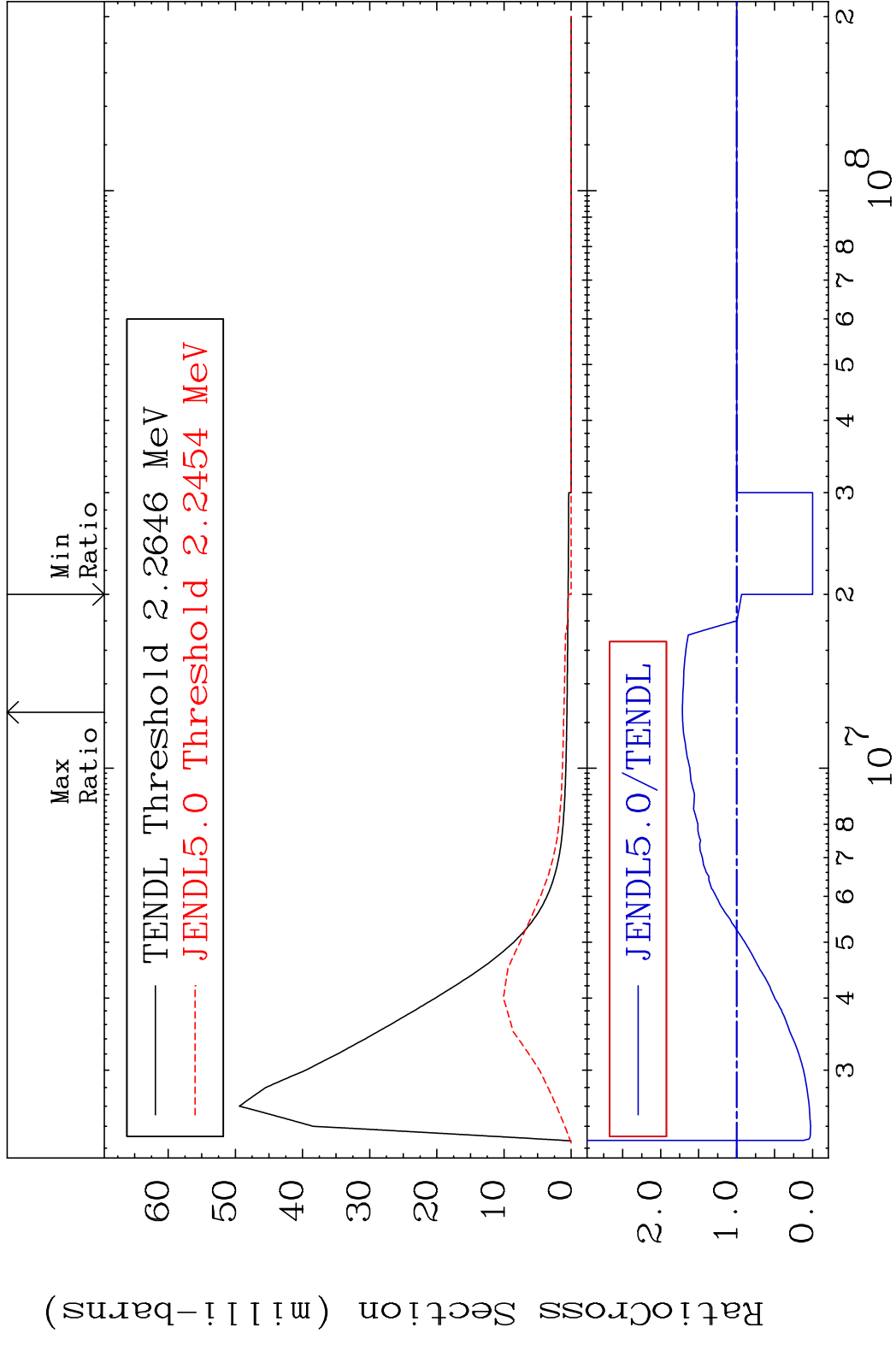
16 Incident Energy (eV) 44-Ru-98

MAT 4431 MT= 58 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 9999. %

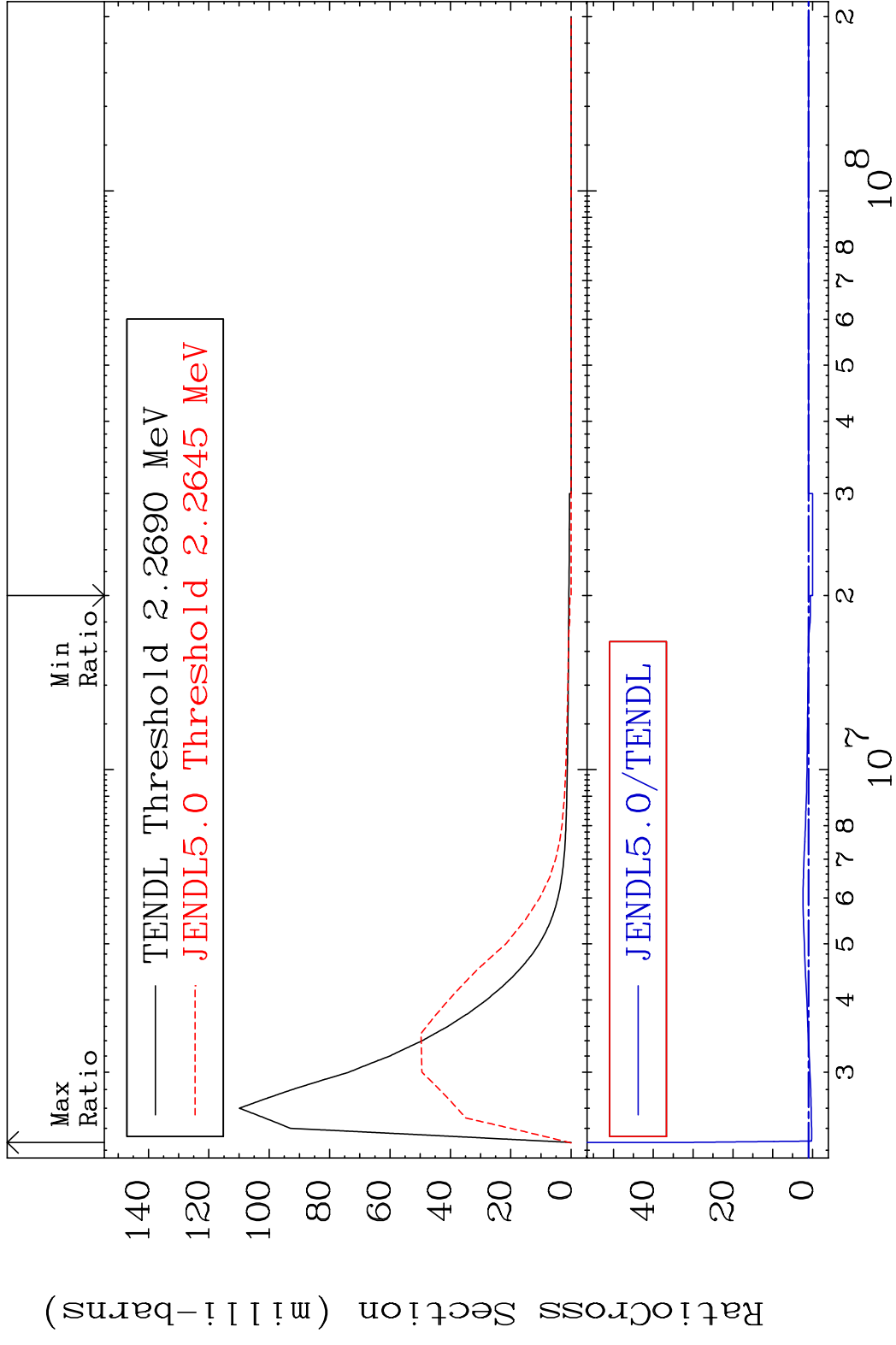


17 44-Ru-98

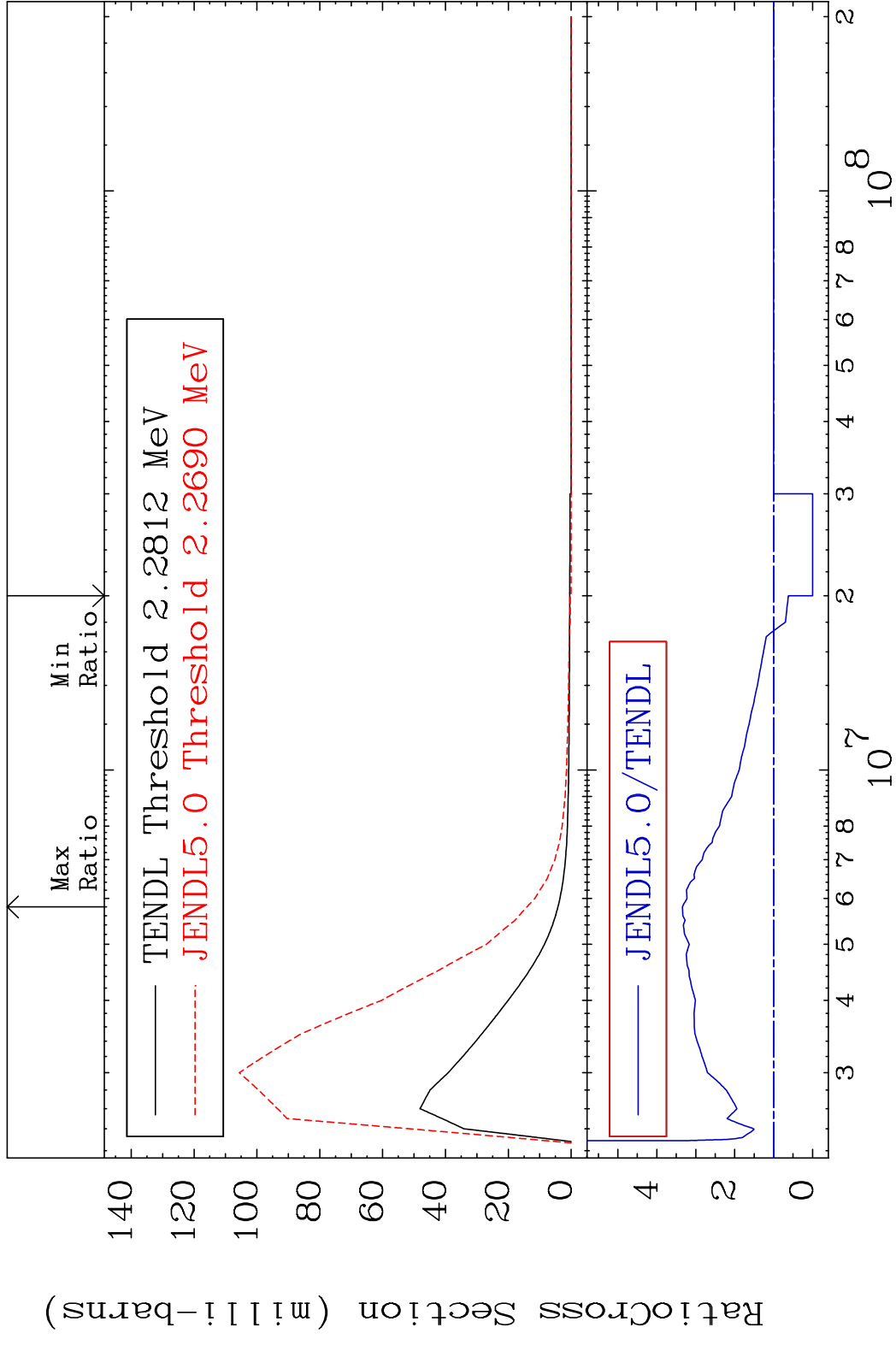
MAT 4431 MT= 59 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 71.48 %



MAT 4431 MT= 60 (n,n') Level 44-Ru-98  
 Cross Section -100.0 To 3170. %

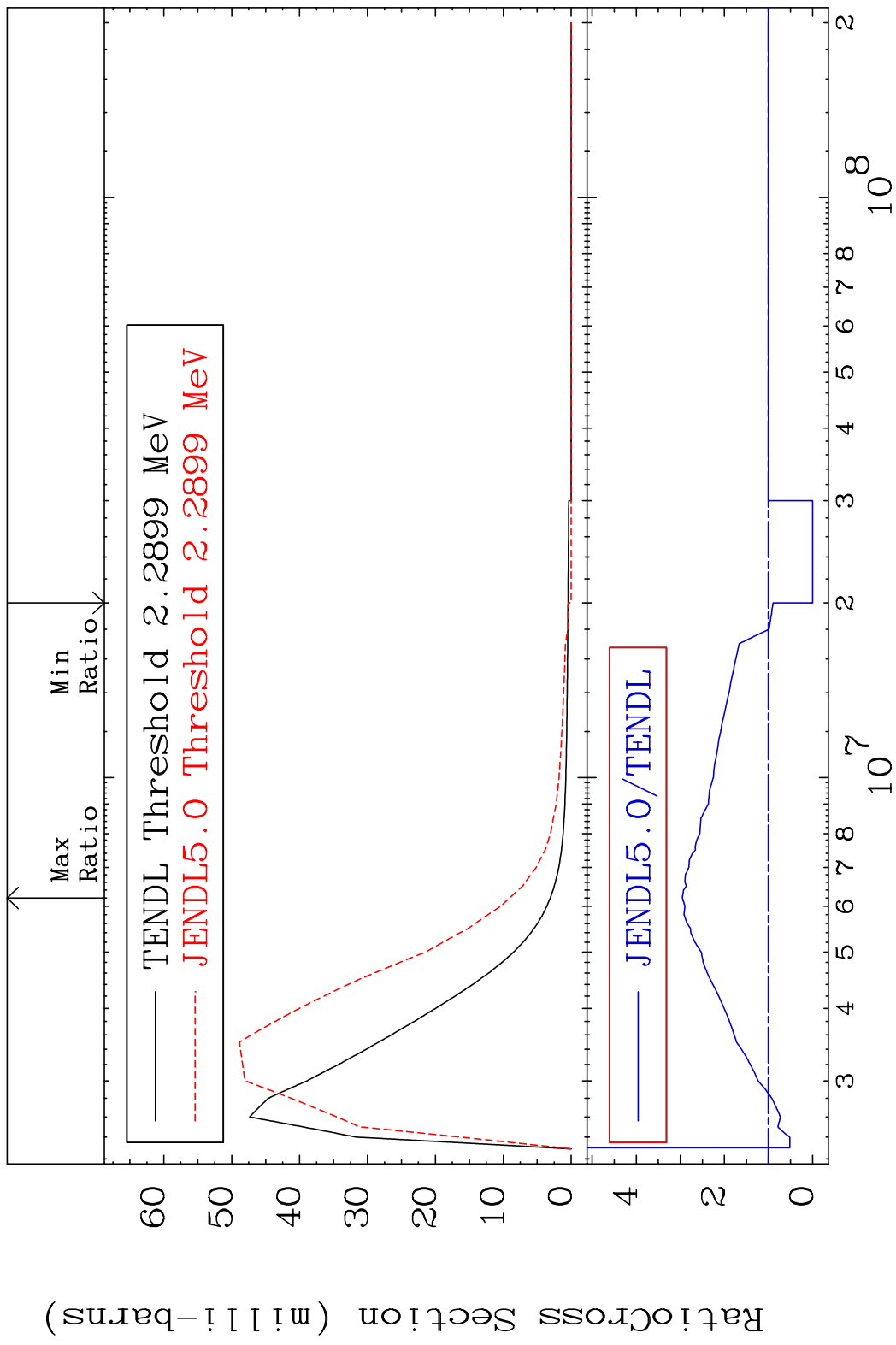


MAT 4431 MT= 61 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 234.4 %



20 Incident Energy (eV) 44-Ru-98

MAT 4431 MT= 62 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 195.3 %

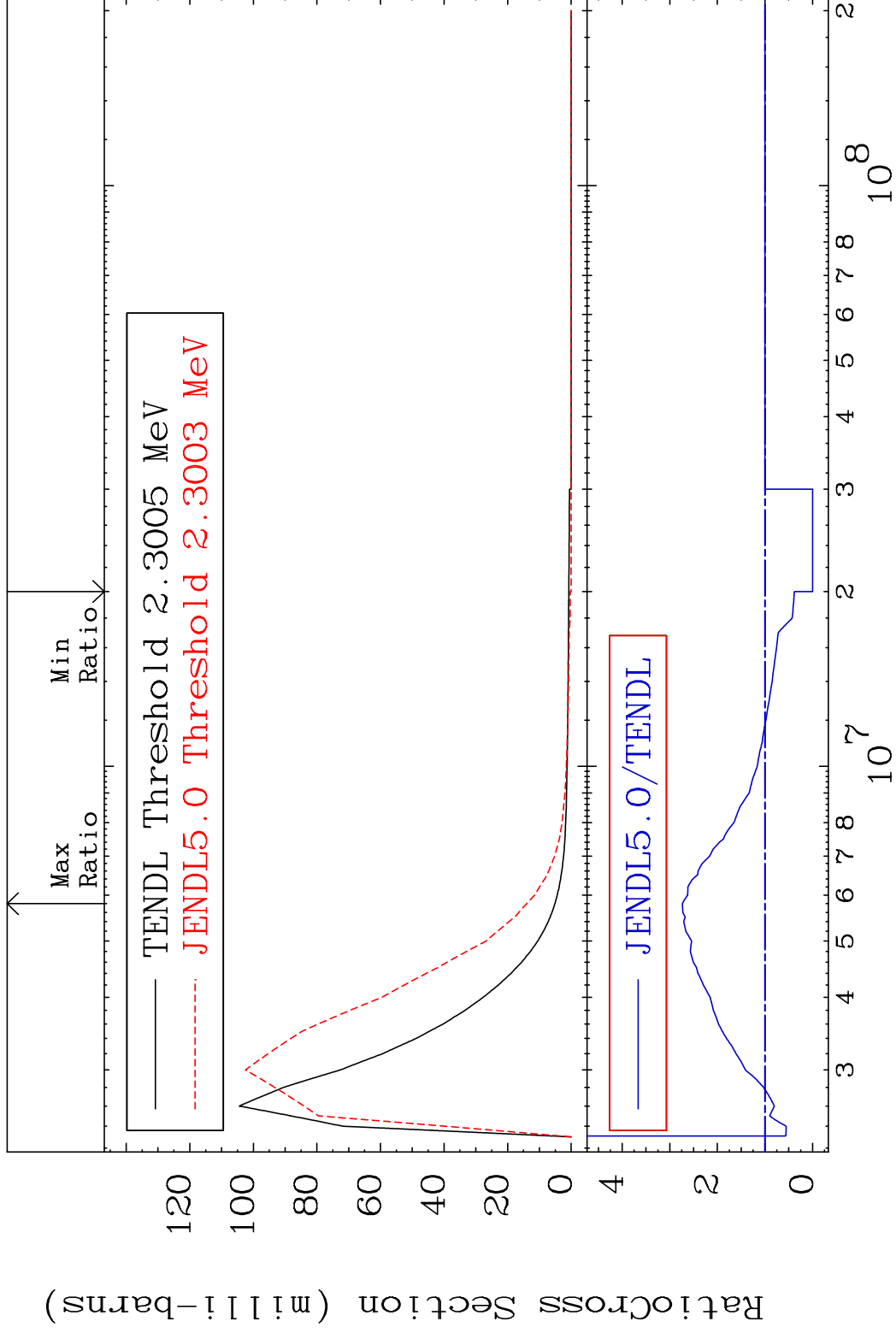


MAT 4431

MT= 63 (n, n') Level

44-Ru-98

Cross Section -100.0 To 173.6 %

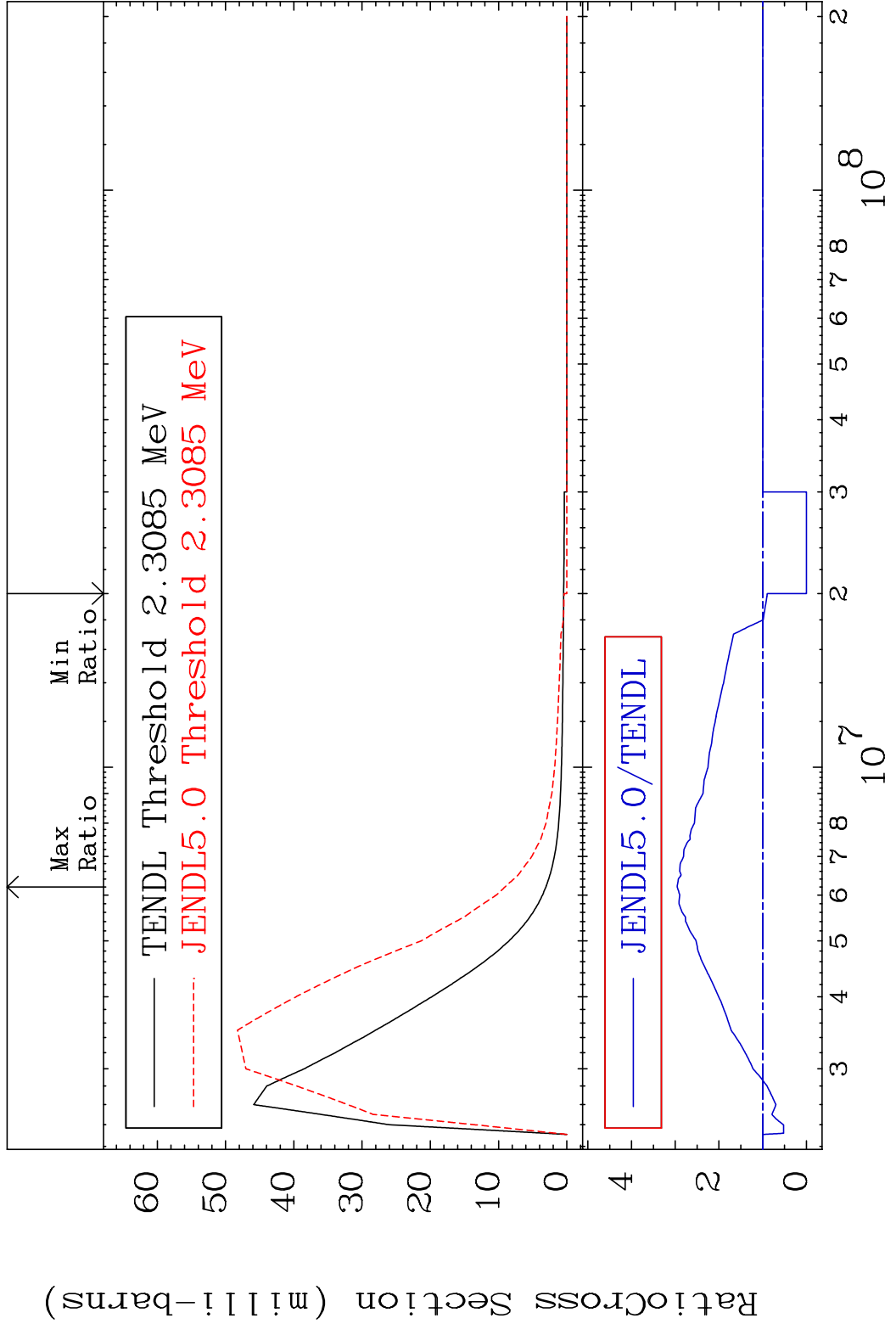


22

Incident Energy (eV)

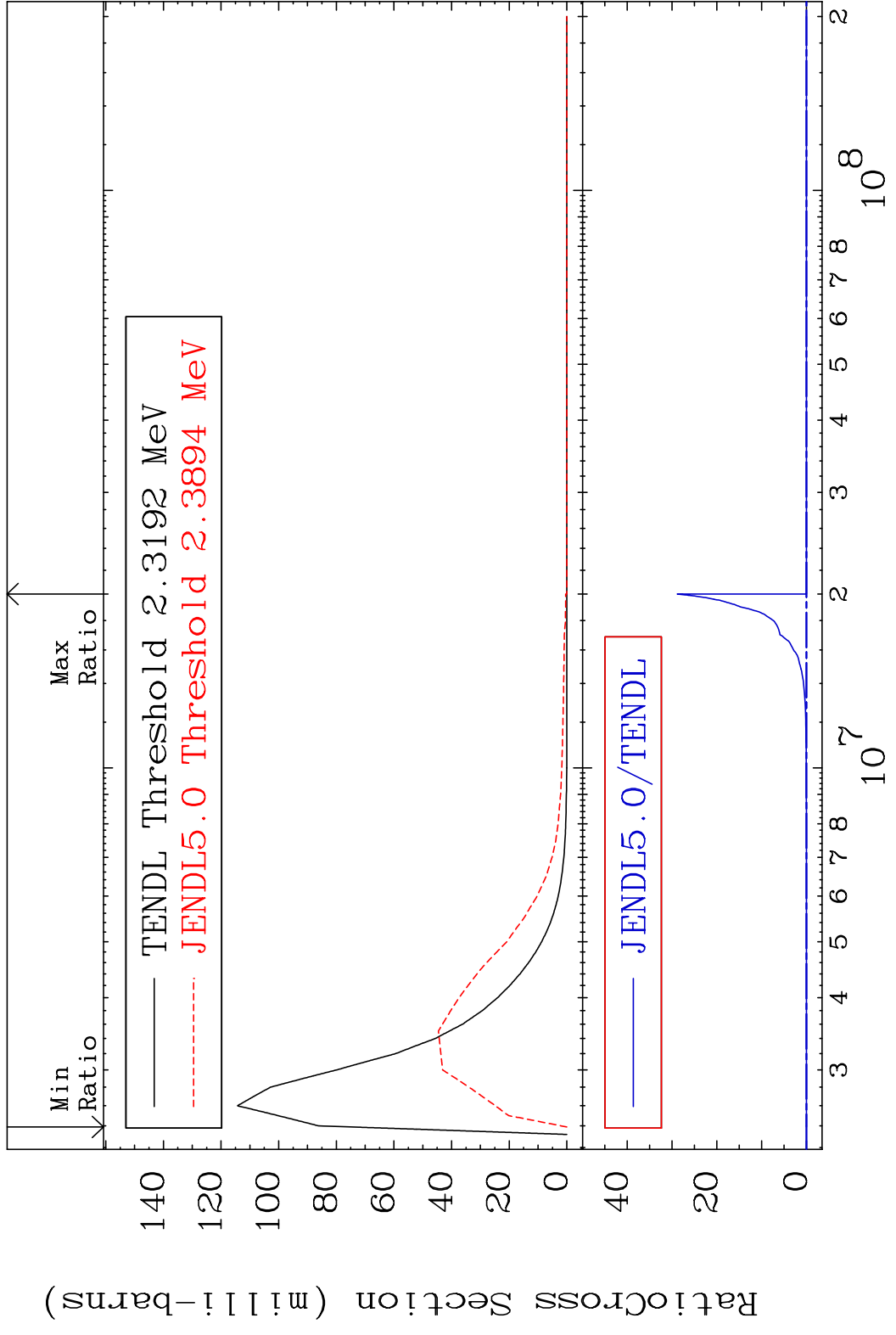
44-Ru-98

MAT 4431 MT= 64 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 195.6 %



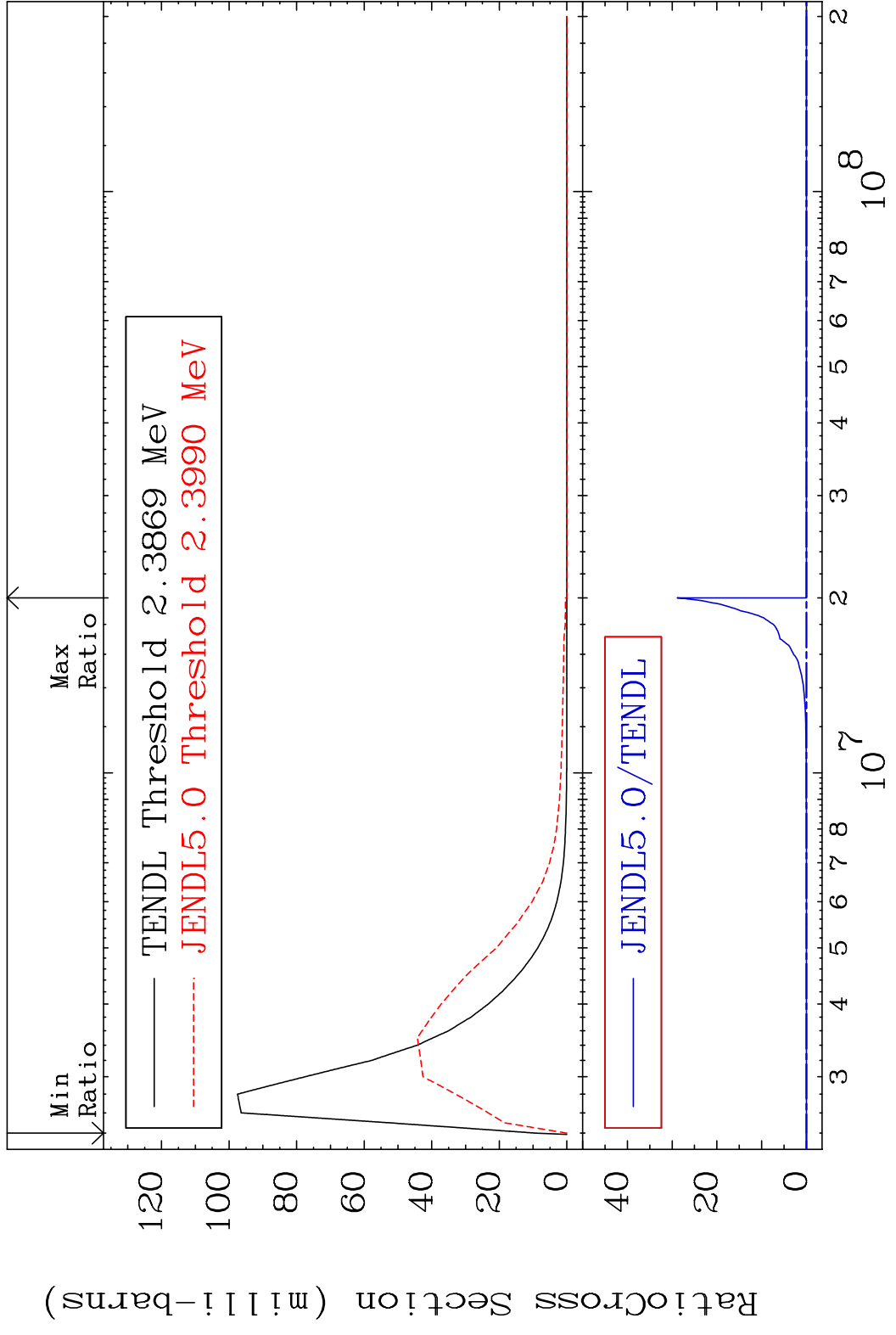


MAT 4431 MT= 65 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 9999. %

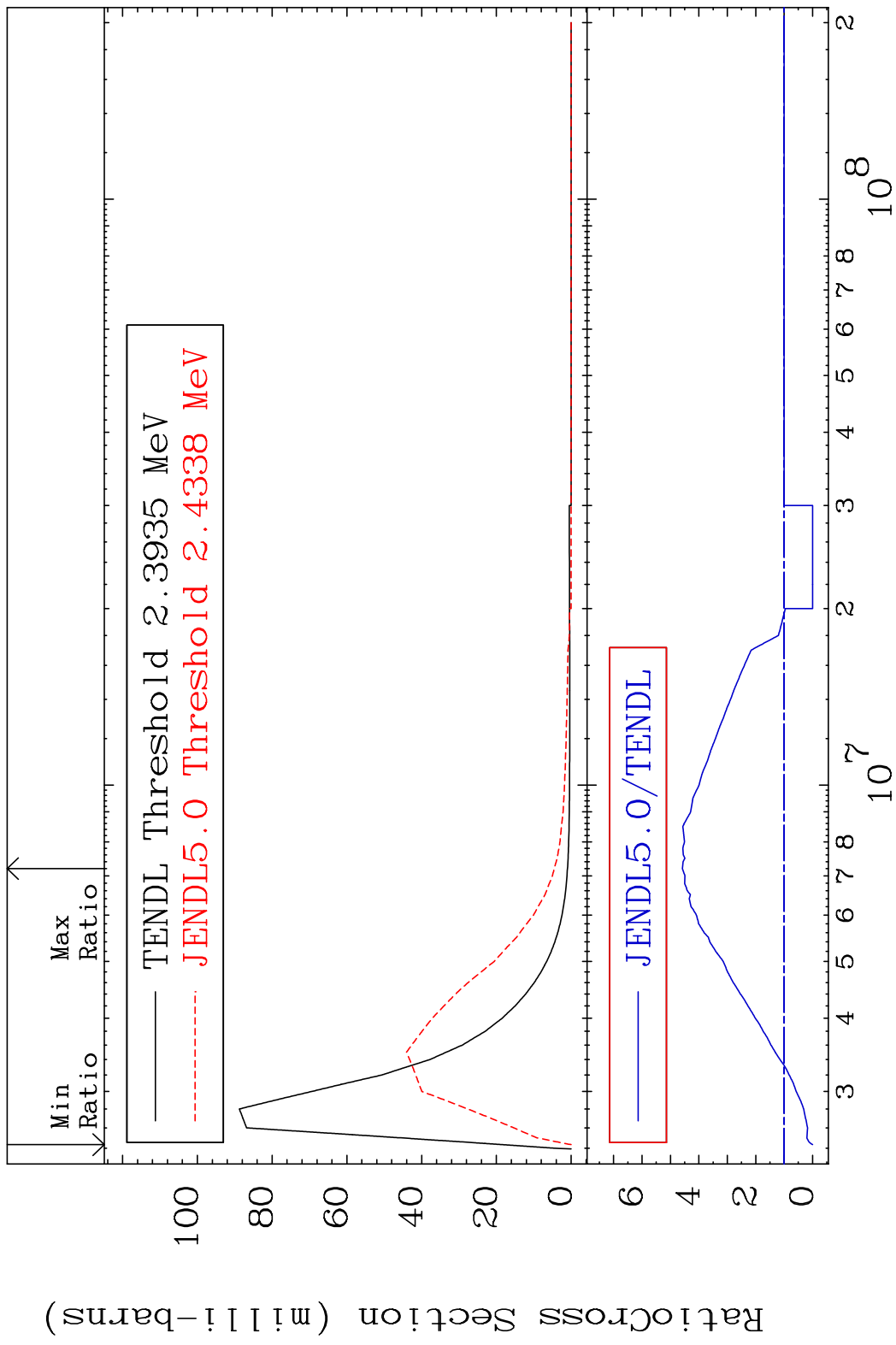


24 Incident Energy (eV) 44-Ru-98

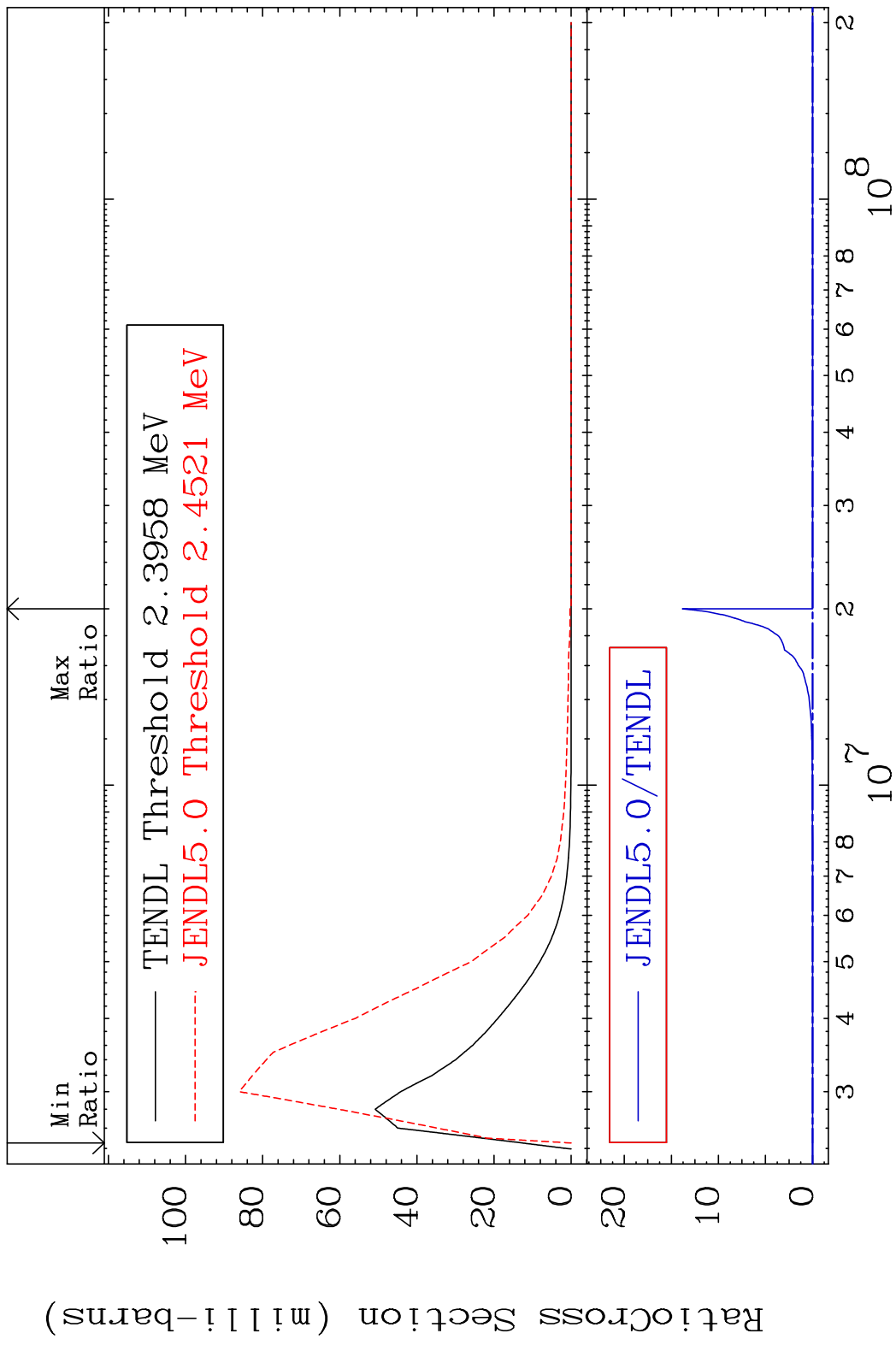
MAT 4431 MT= 66 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 9999. %



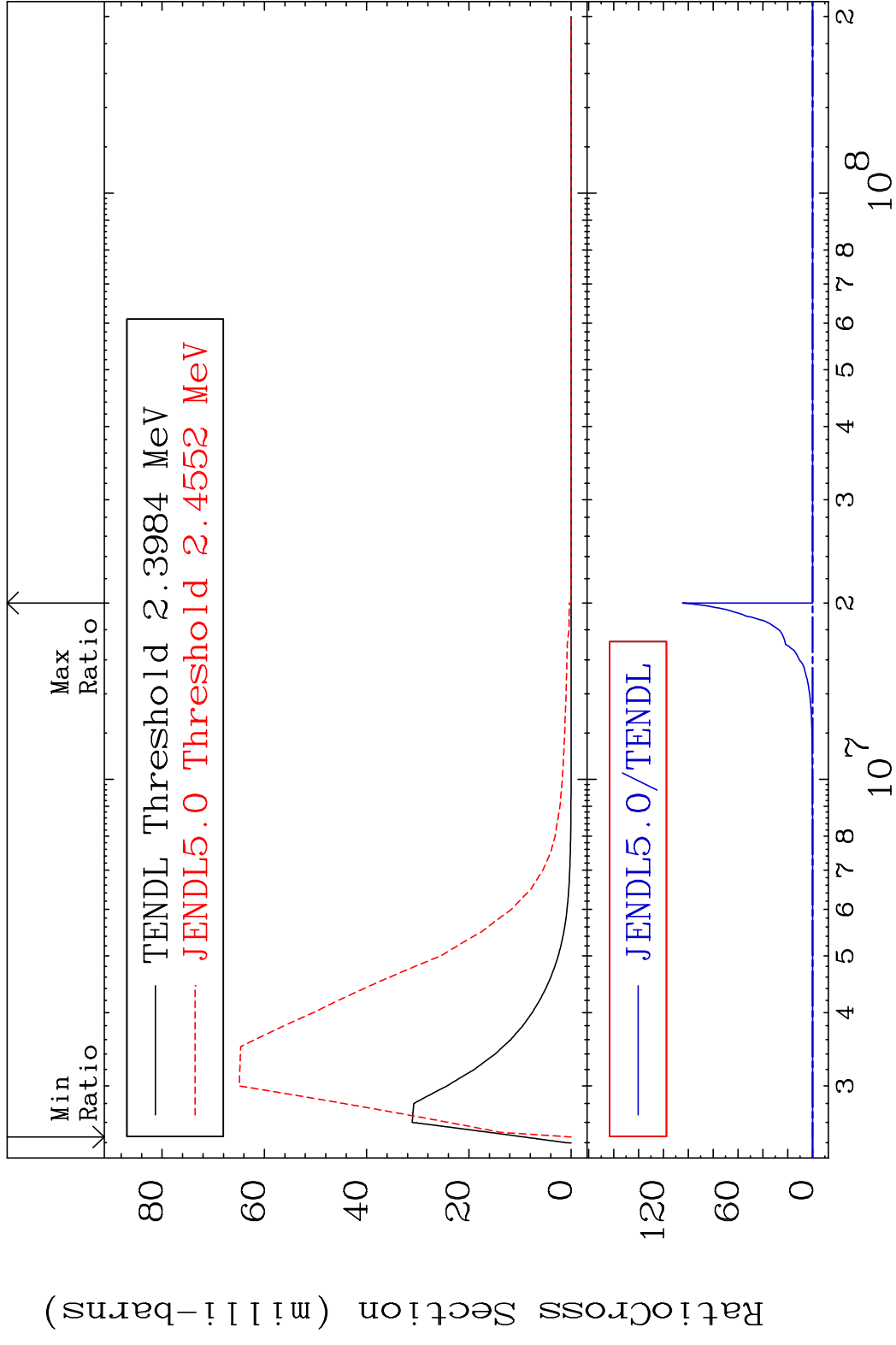
MAT 4431 MT= 67 (n,n') Level 44-Ru-98  
 Cross Section -100.0 To 358.1 %



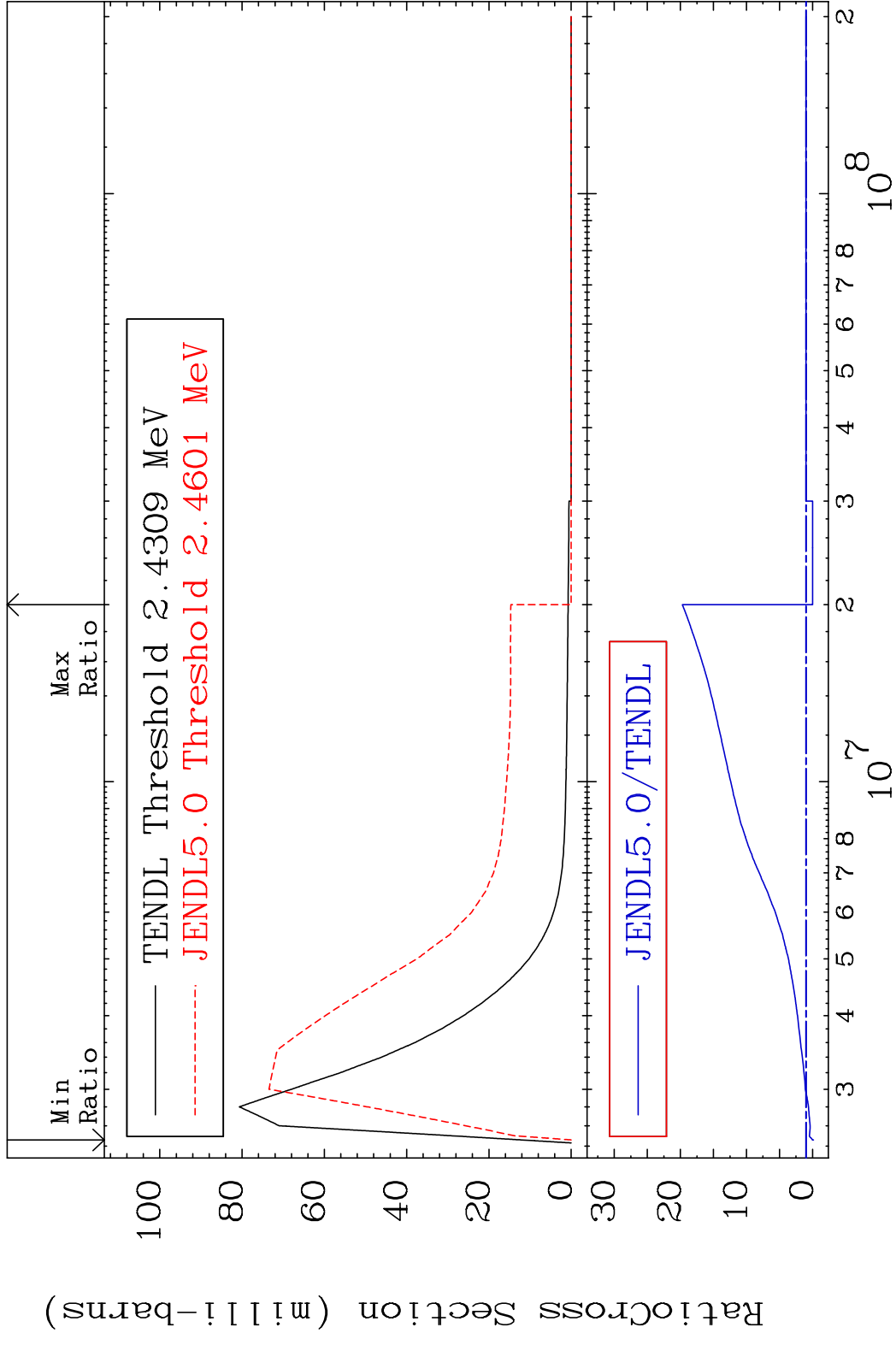
MAT 4431 MT= 68 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 9999. %



MAT 4431 MT= 69 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 9999. %

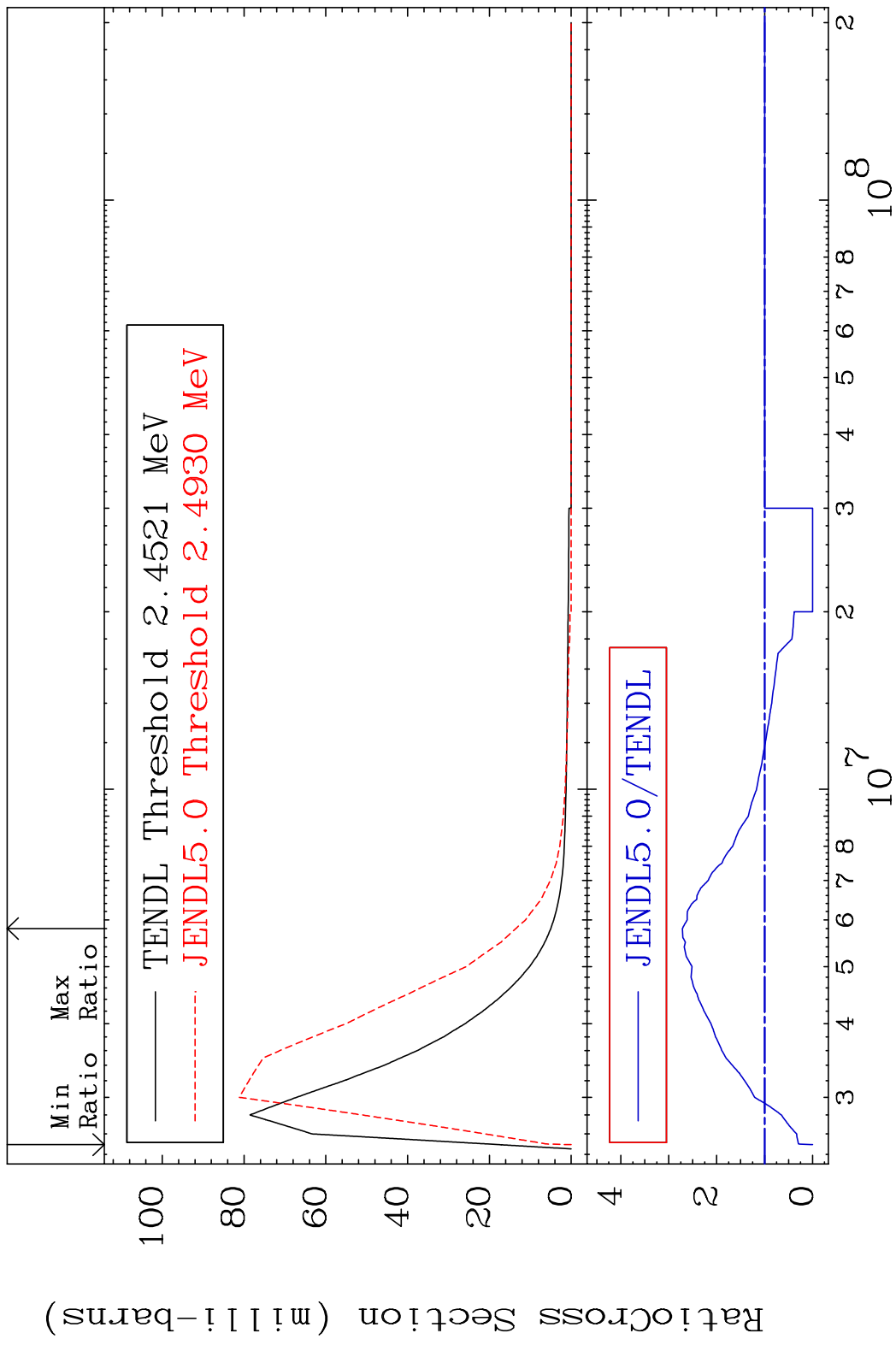


MAT 4431 MT= 70 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 1870. %



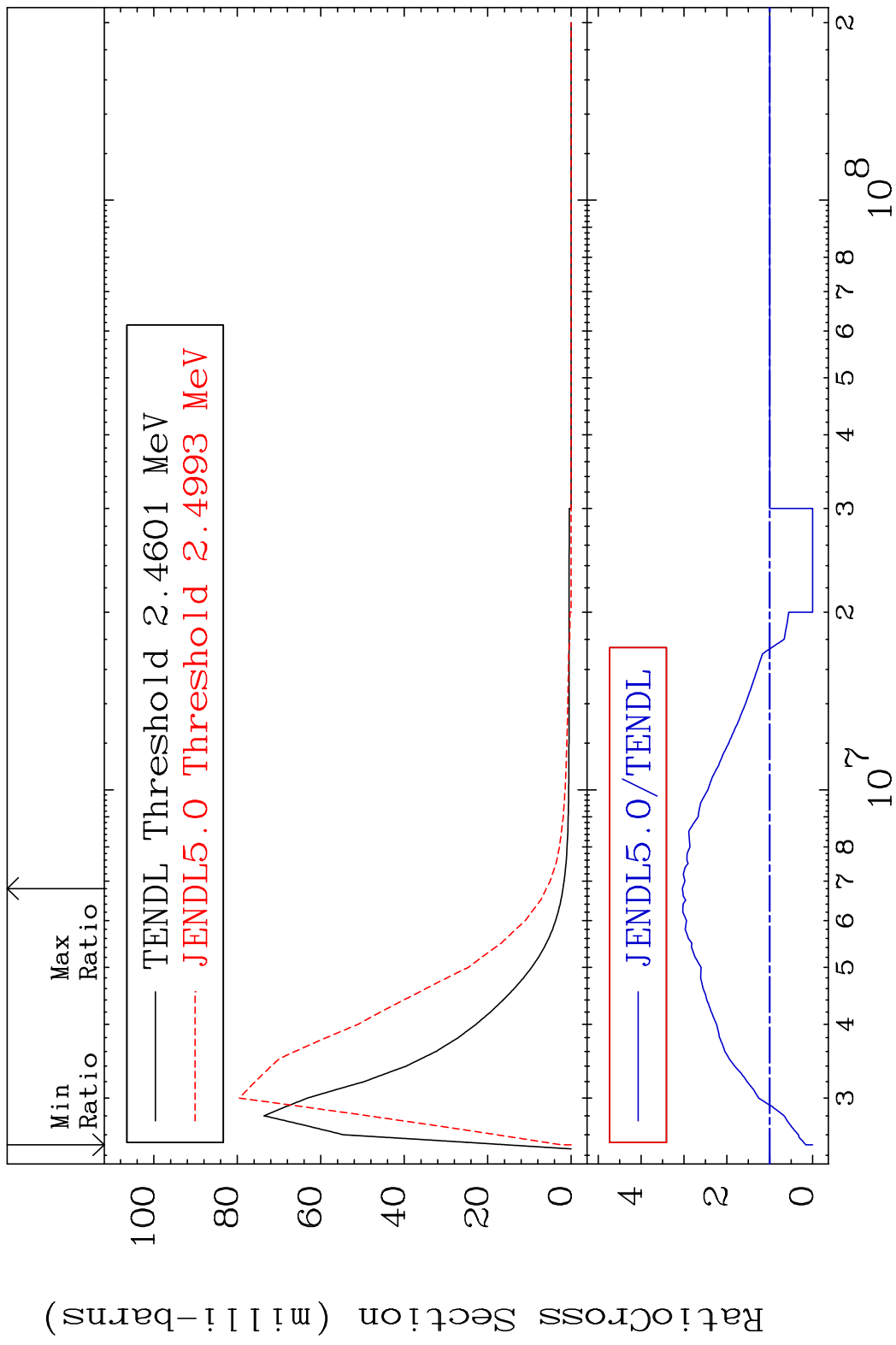
29 Incident Energy (eV) 44-Ru-98

MAT 4431 MT= 71 (n,n') Level 44-Ru-98  
 Cross Section -100.0 To 171.6 %



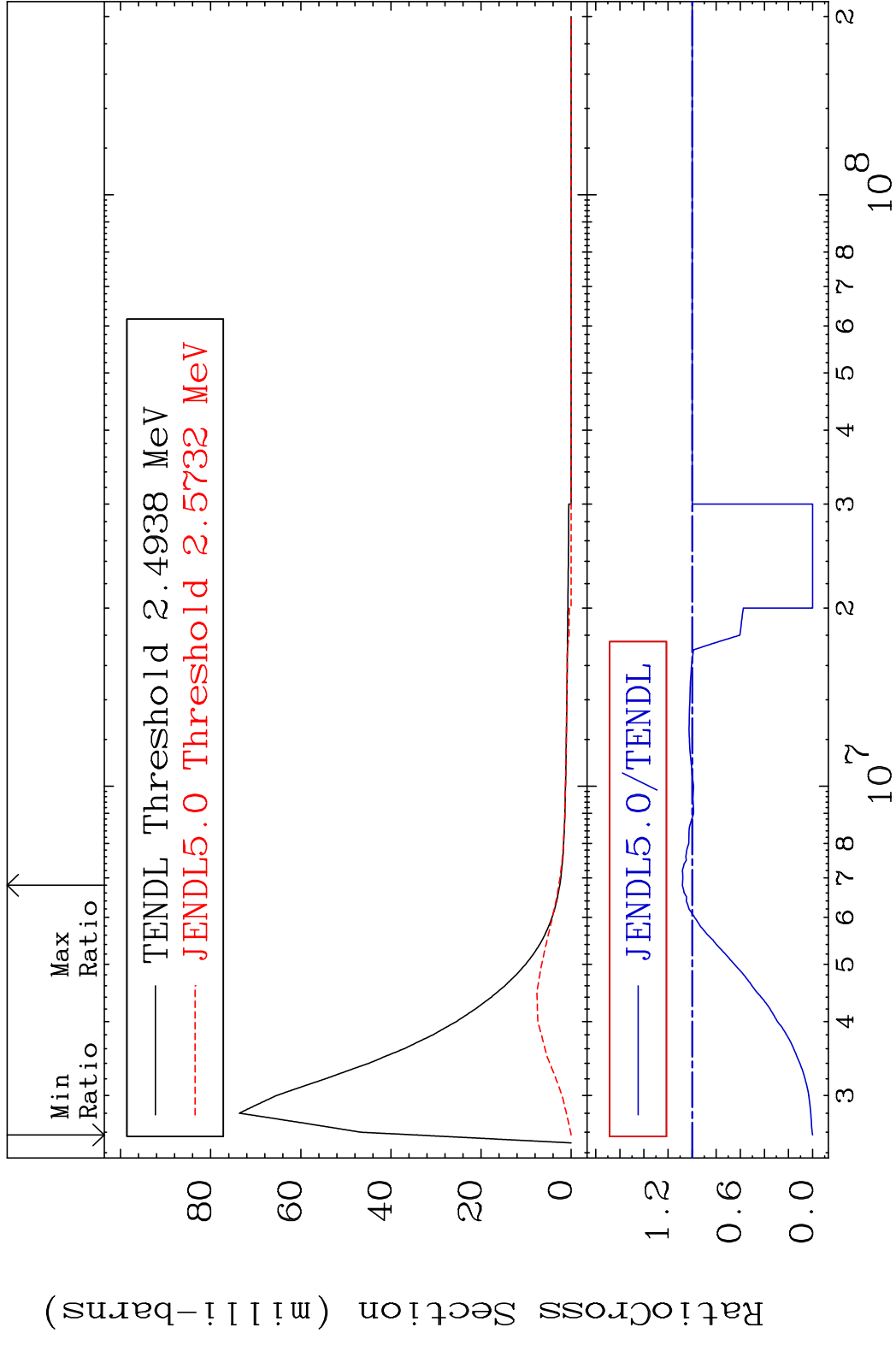
30 44-Ru-98

MAT 4431 MT= 72 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 203.7 %

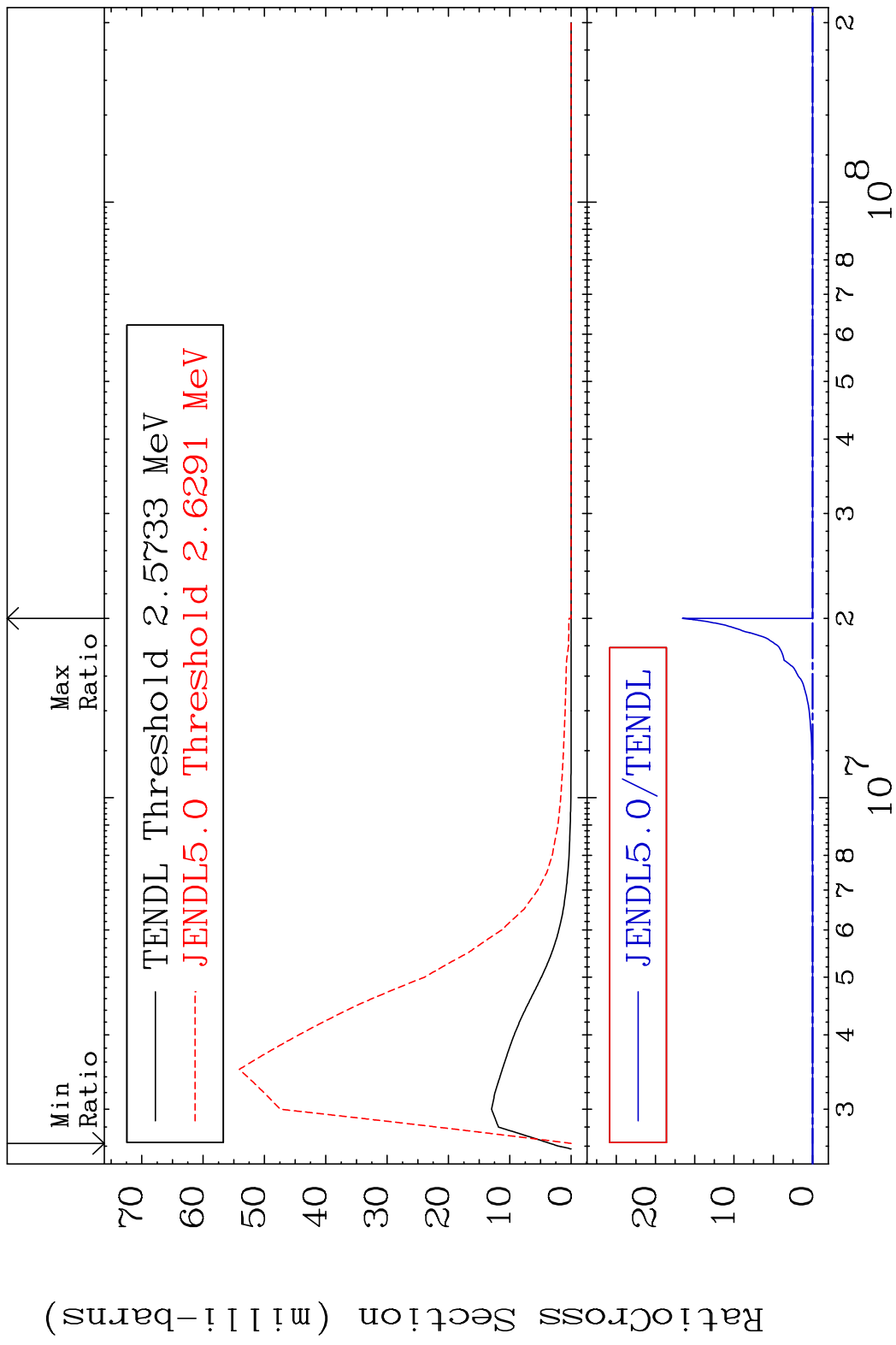




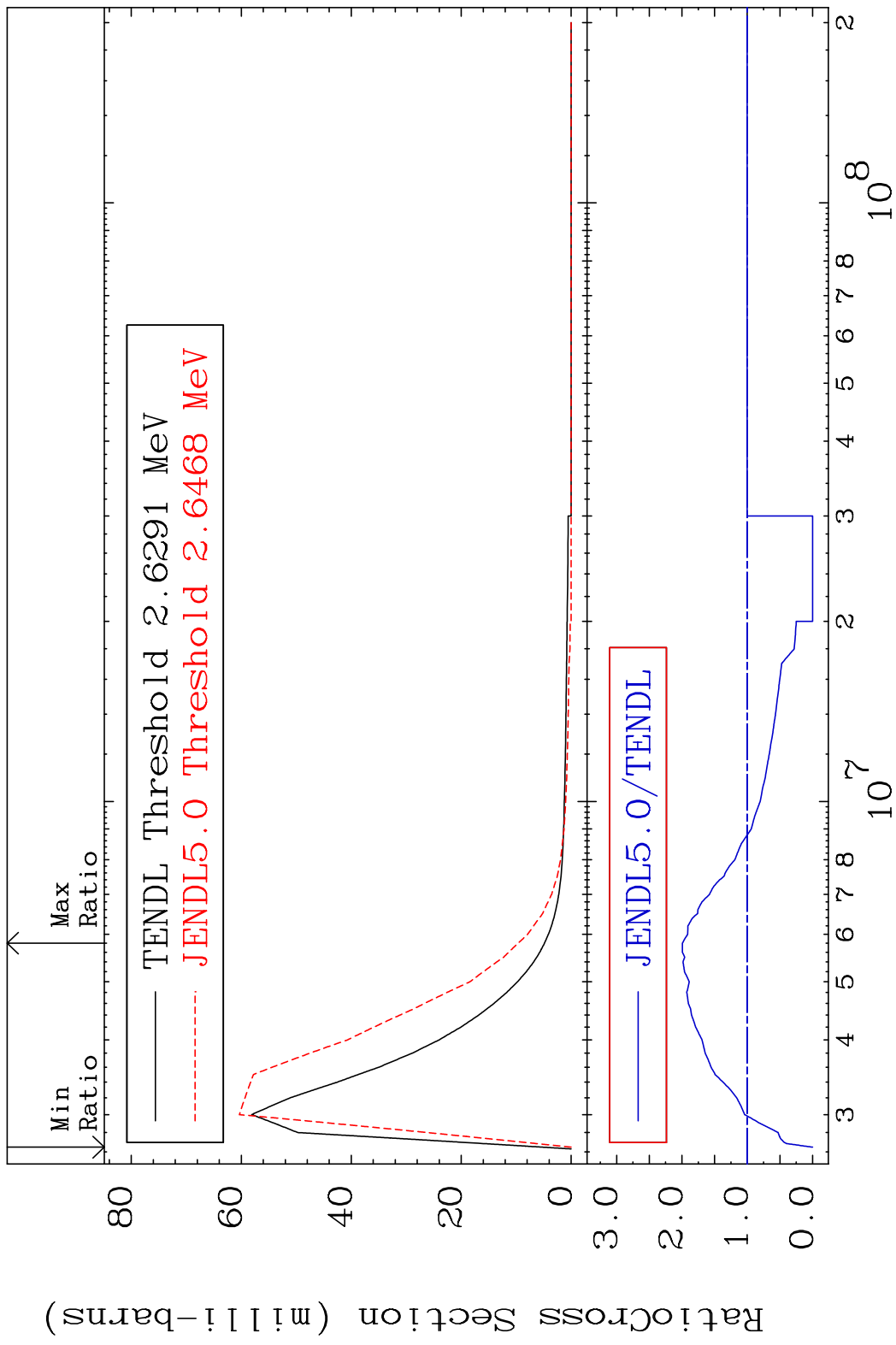
MAT 4431 MT= 73 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 8.115 %



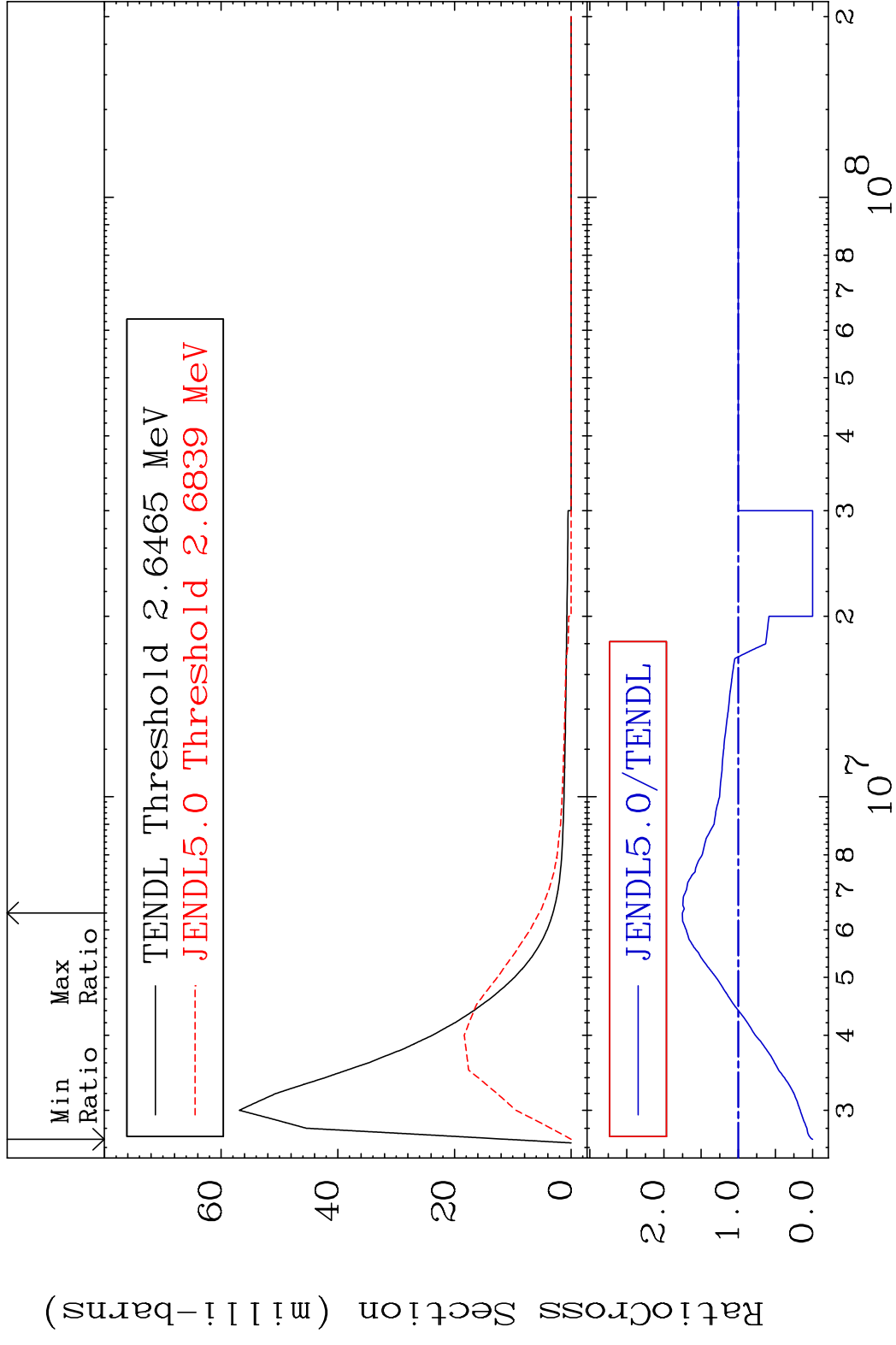
MAT 4431 MT= 74 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 9999. %



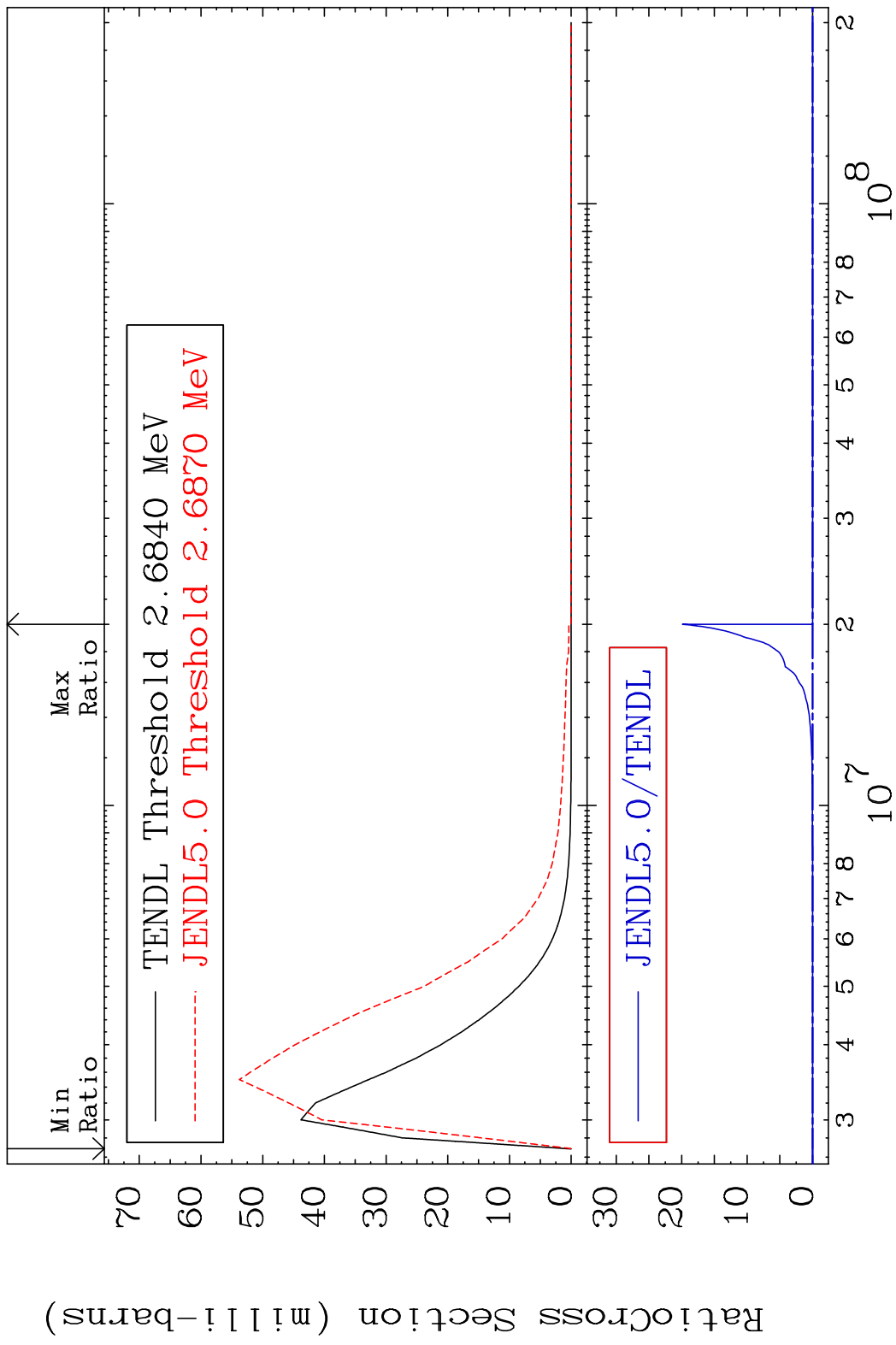
MAT 4431 MT= 75 (n,n') Level 44-Ru-98  
 Cross Section -100.0 To 99.35 %



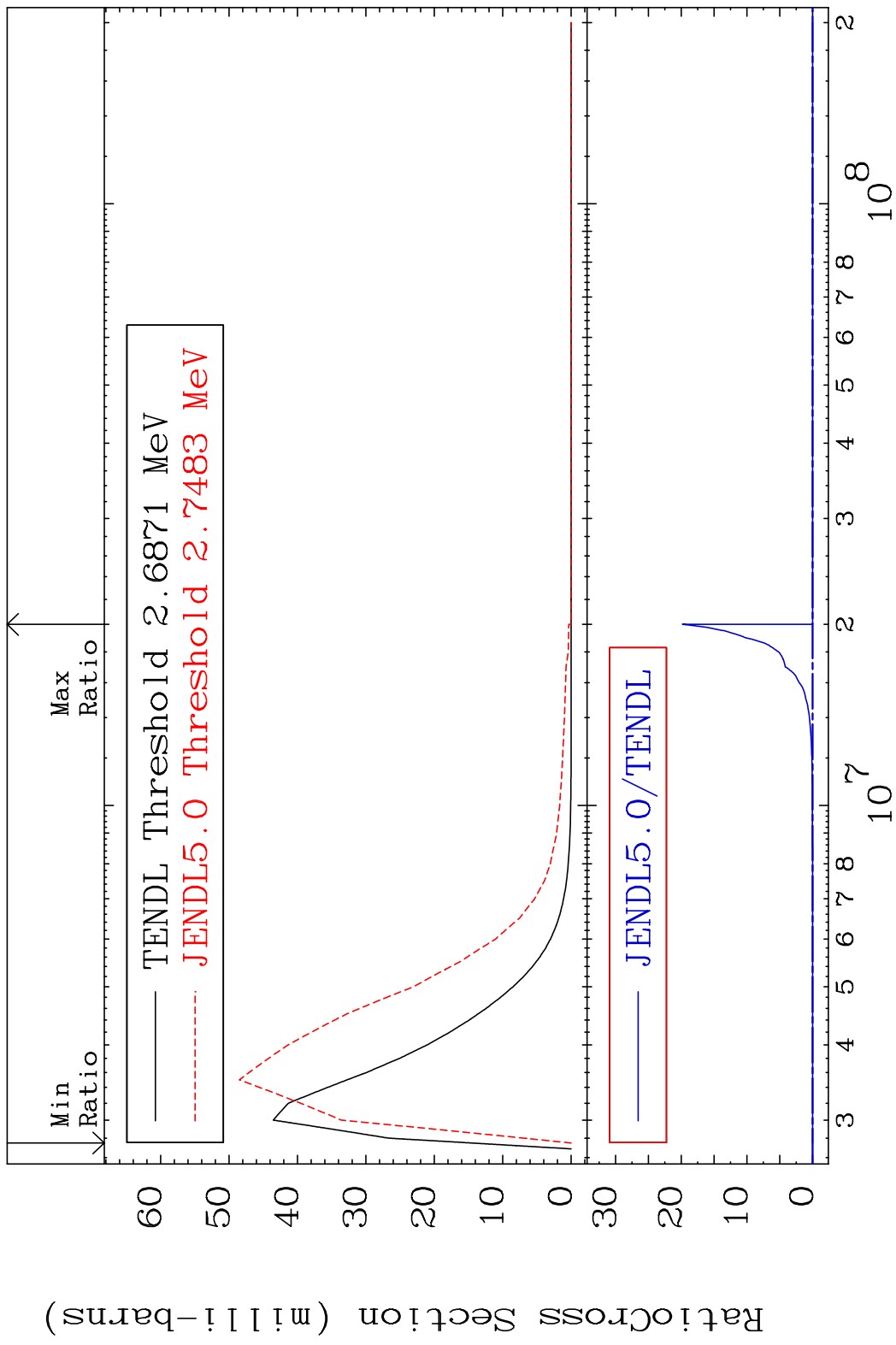
MAT 4431 MT= 76 (n,n') Level 44-Ru-98  
 Cross Section -100.0 To 75.28 %



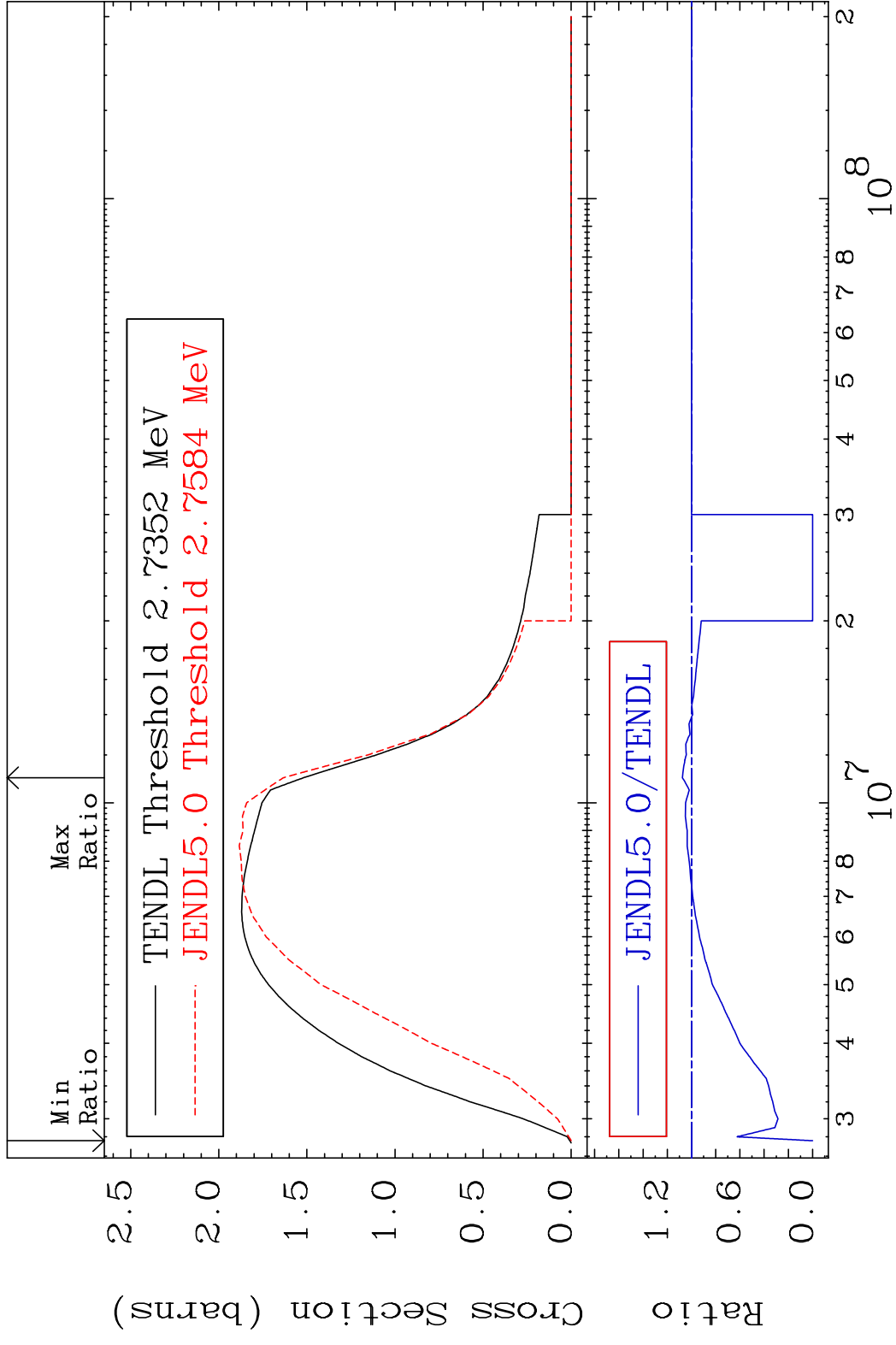
MAT 4431 MT= 77 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 9999. %



MAT 4431 MT= 78 (n, n') Level 44-Ru-98  
 Cross Section -100.0 To 9999. %



MAT 4431 (n,n') Continuum 44-Ru-98  
 Cross Section -100.0 To 7.539 %

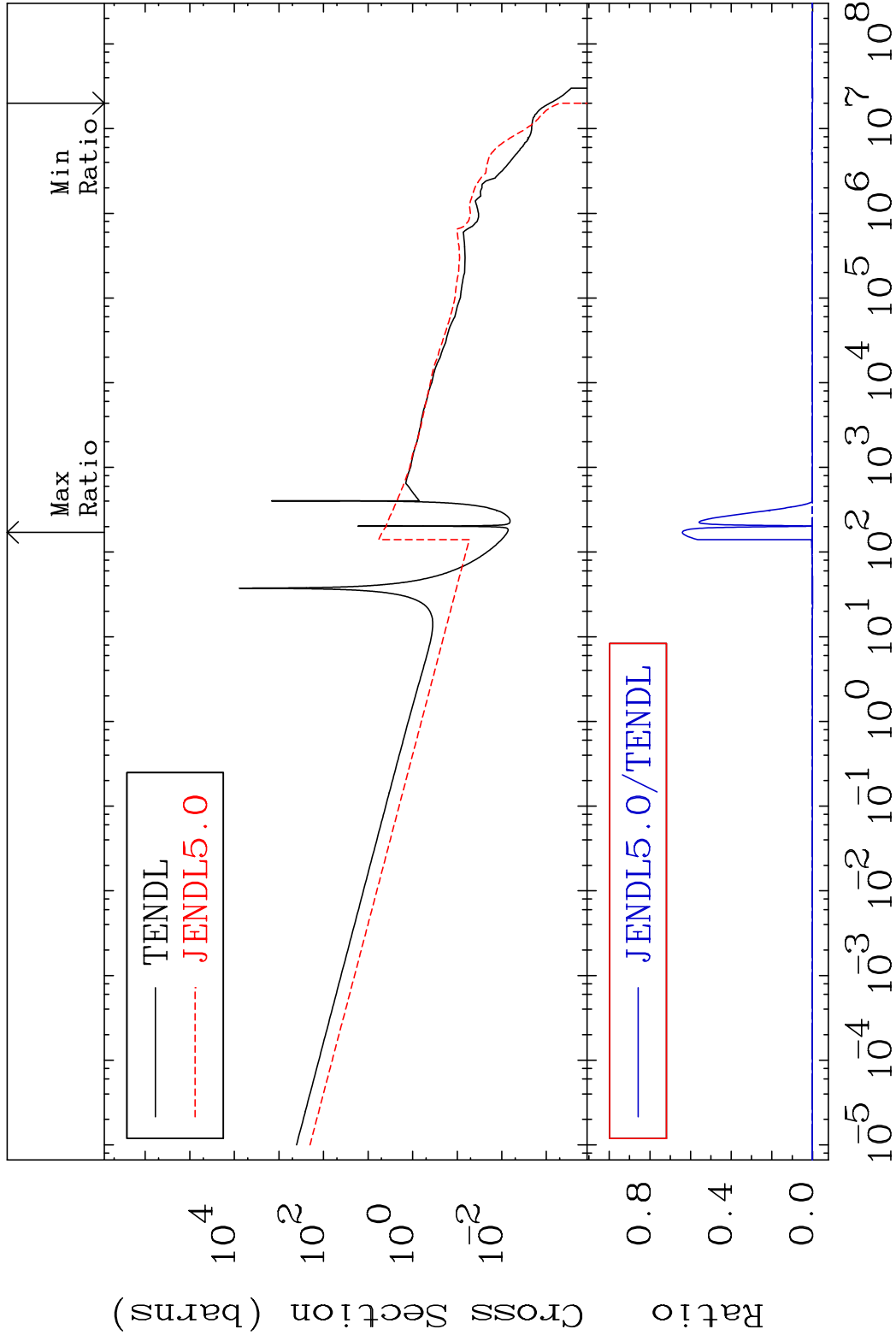


MAT 4431

(n,  $\gamma$ )

44-Ru-98

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

44-Ru-98

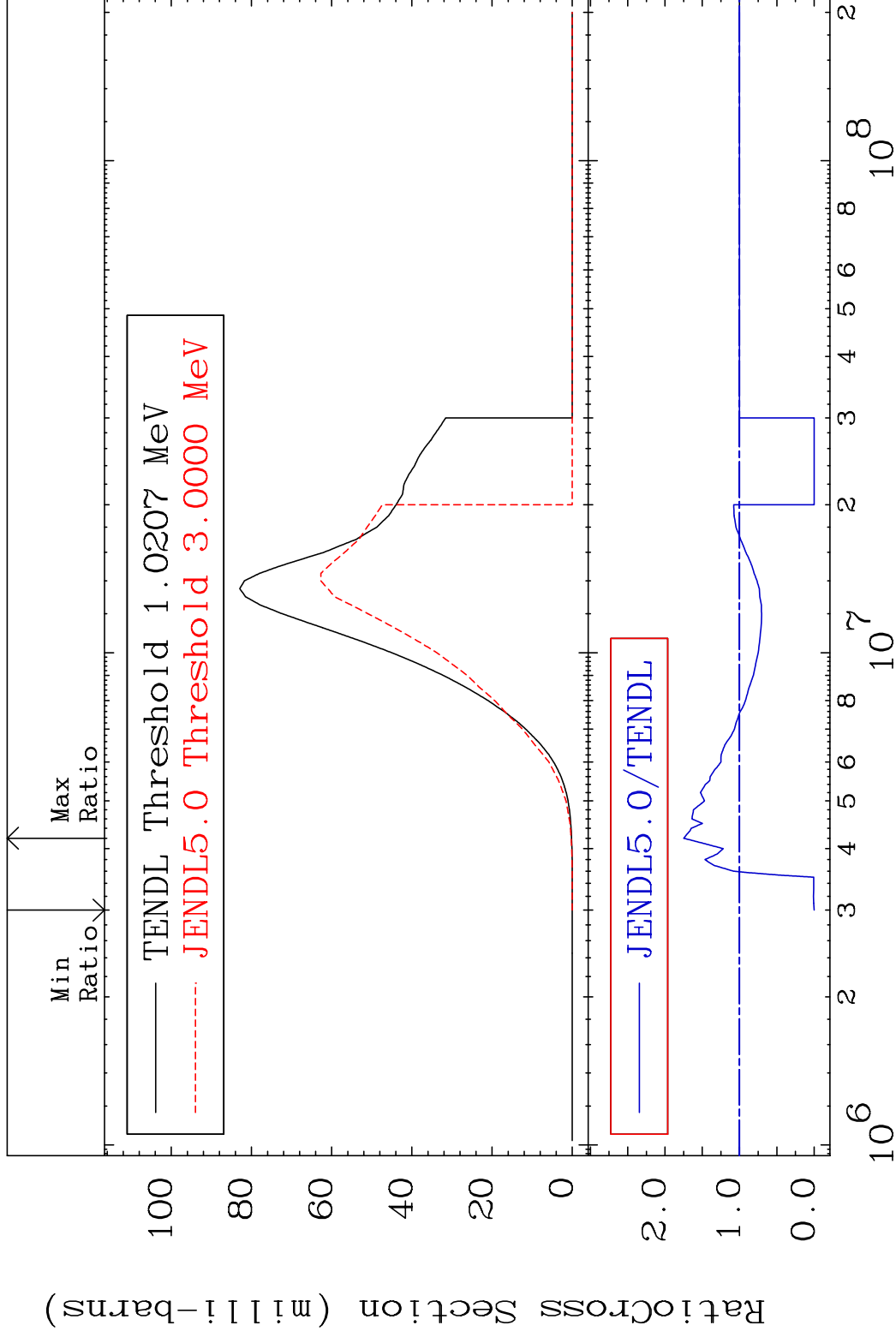


MAT 4431

(n, p)

44-Ru-98

Cross Section -100.0 To 74.96 %



40

Incident Energy (eV)

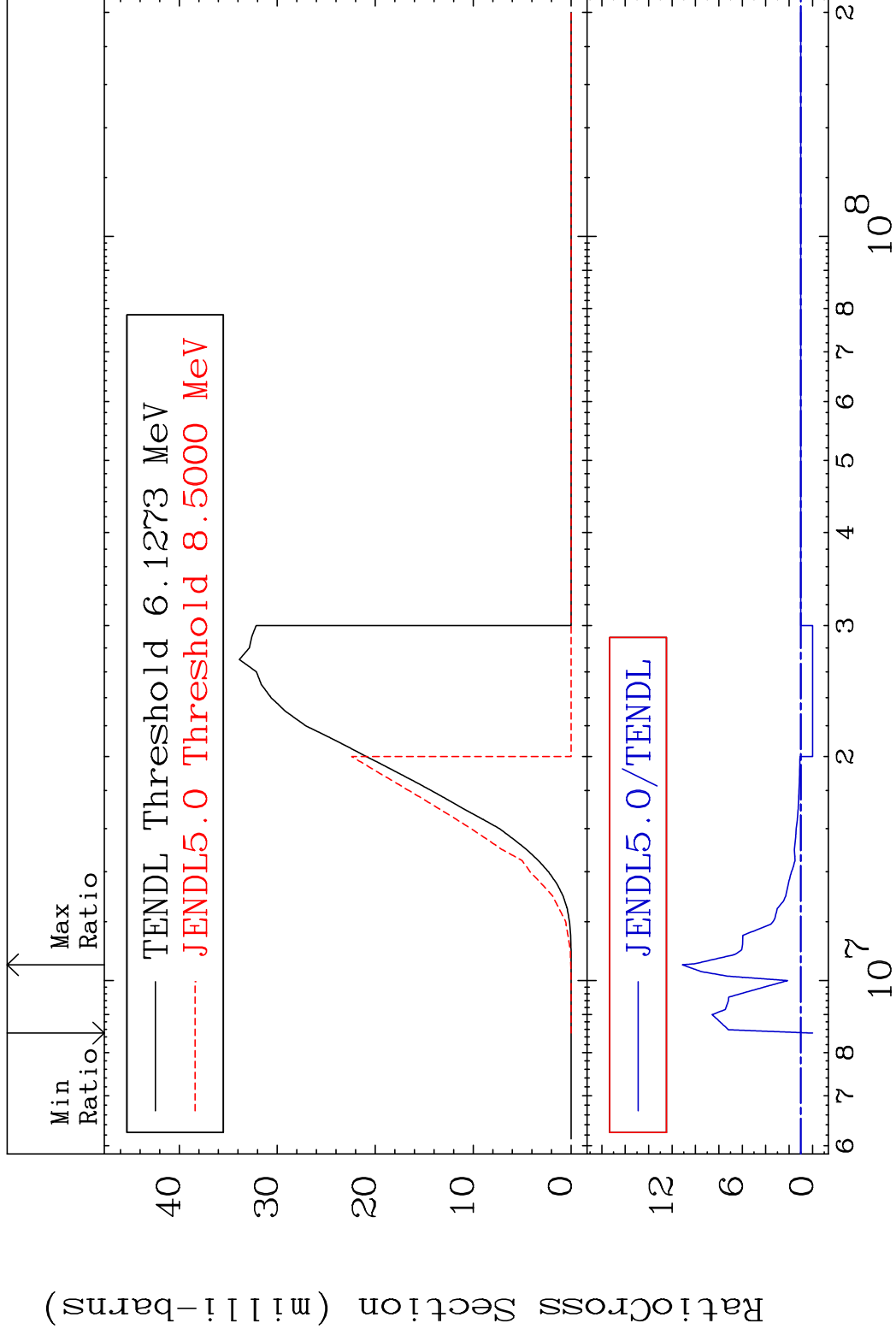
44-Ru-98

MAT 4431

(n,d)

44-Ru-98

Cross Section -100.0 To 1012. %



41

Incident Energy (eV)

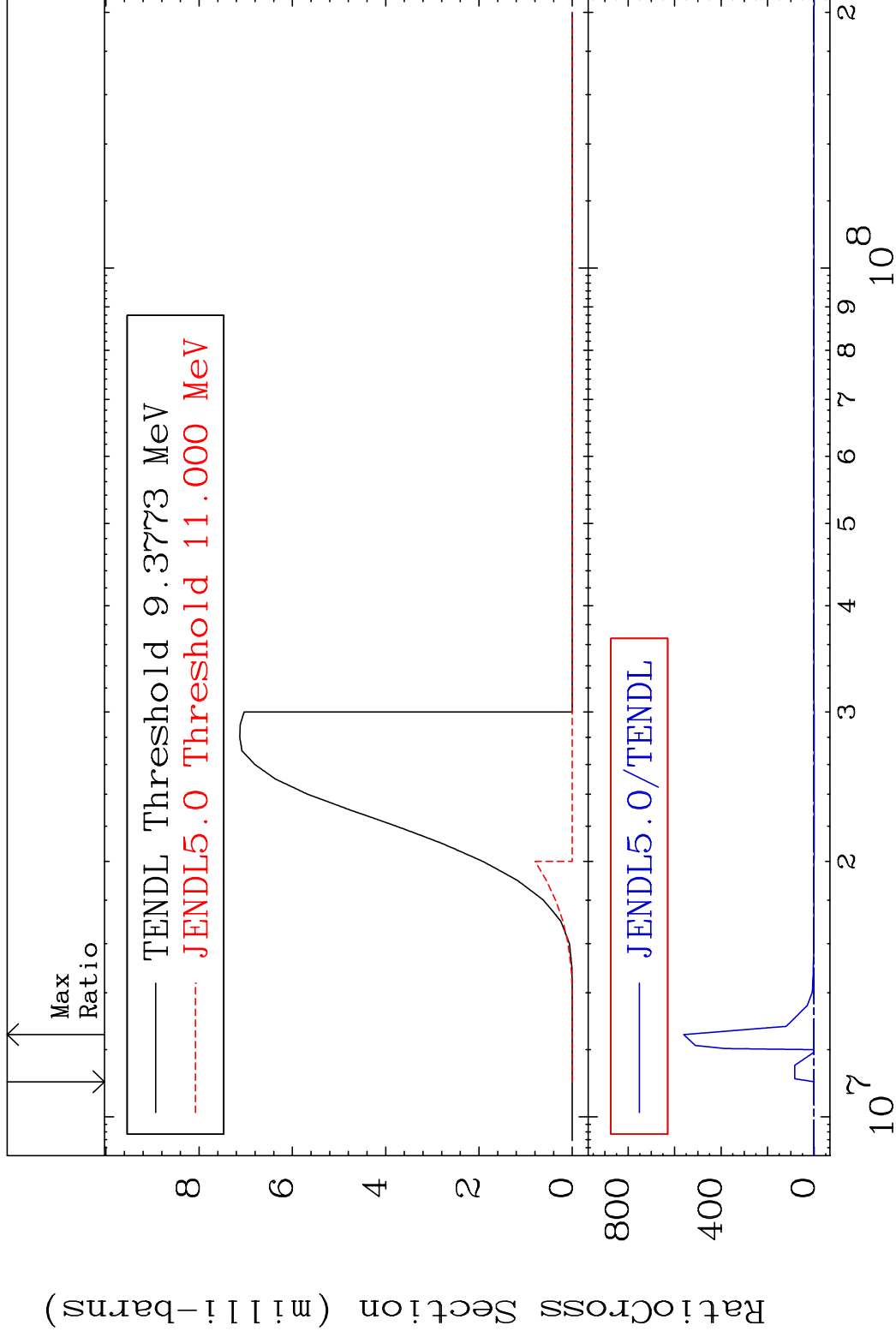
44-Ru-98

MAT 4431

(n, t)

44-Ru-98

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

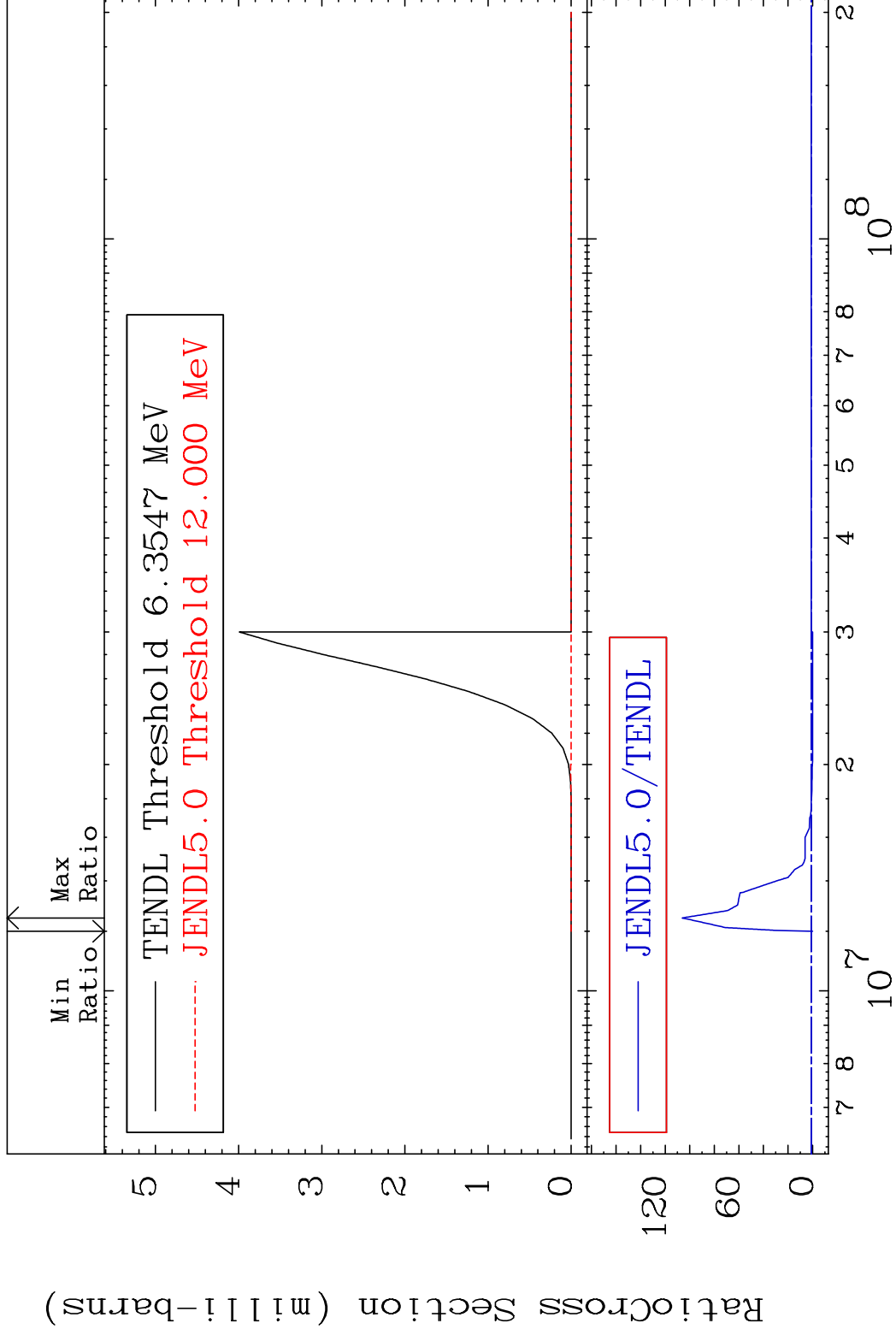
44-Ru-98

MAT 4431

(n, He-3)

44-Ru-98

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

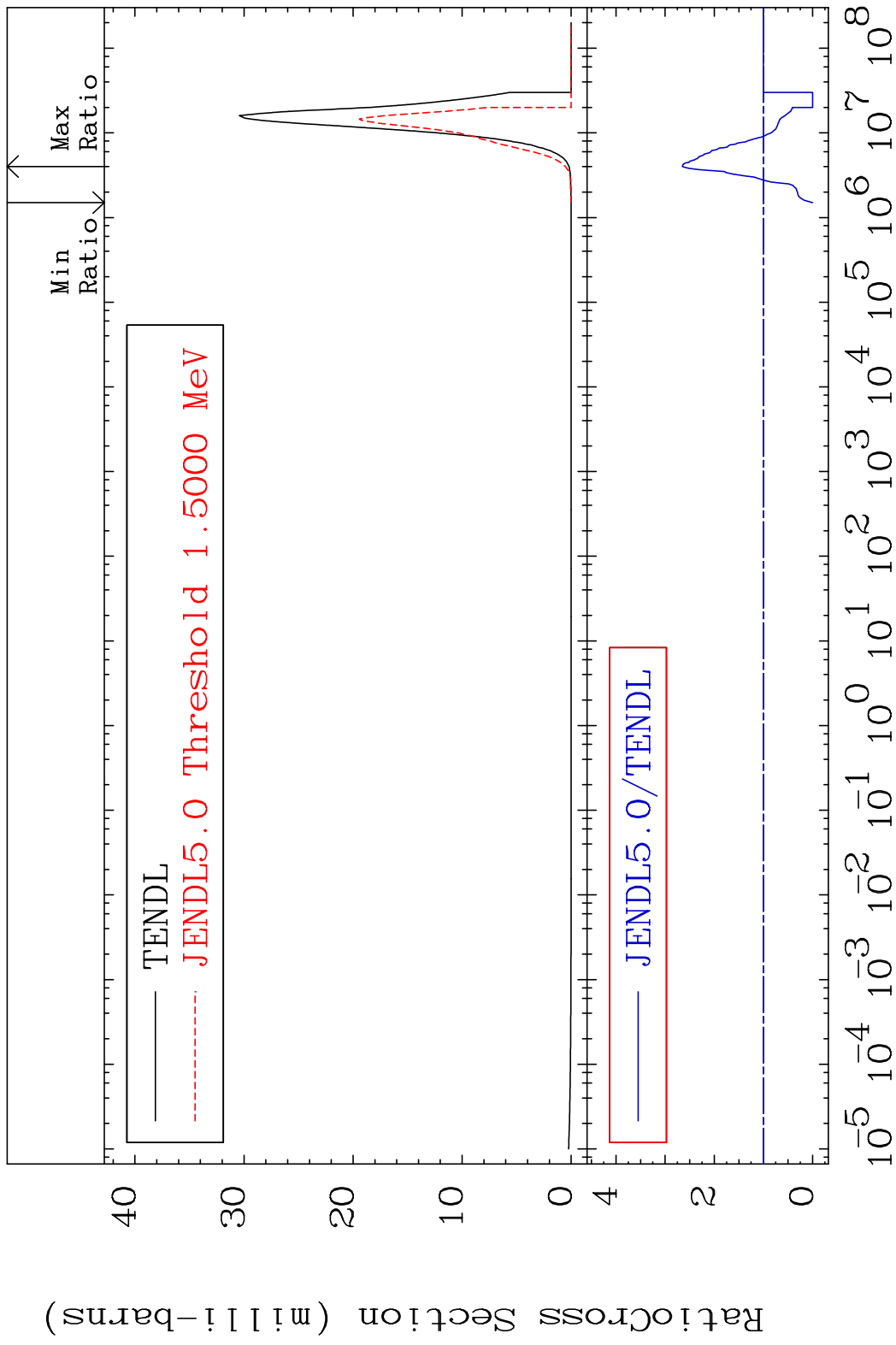
44-Ru-98

MAT 4431

(n,  $\alpha$ )

44-Ru-98

Cross Section -100.0 To 164.9 %



44

Incident Energy (eV)

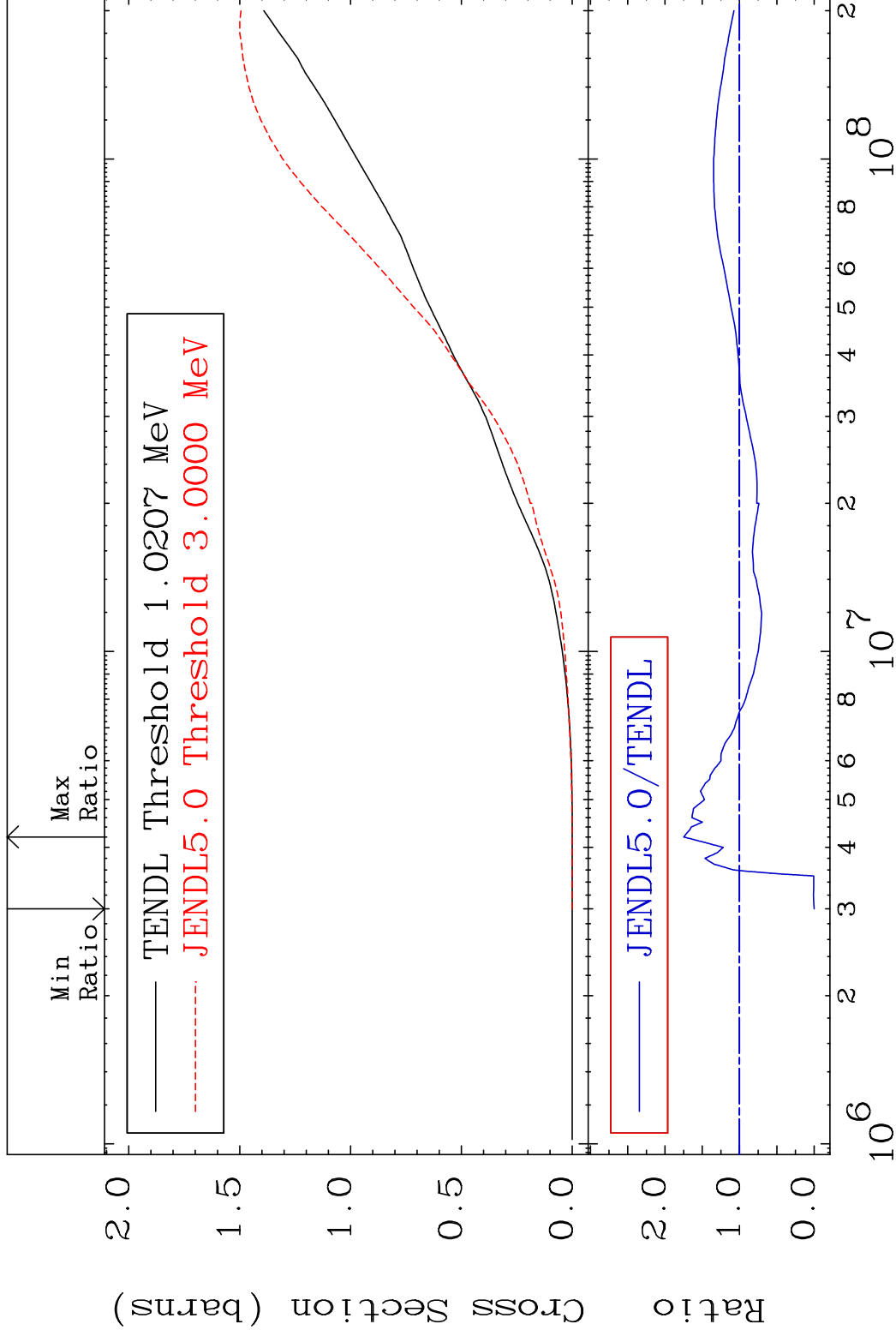
44-Ru-98

MAT 4431

Hydrogen Production

44-Ru-98

Cross Section -100.0 To 74.96 %

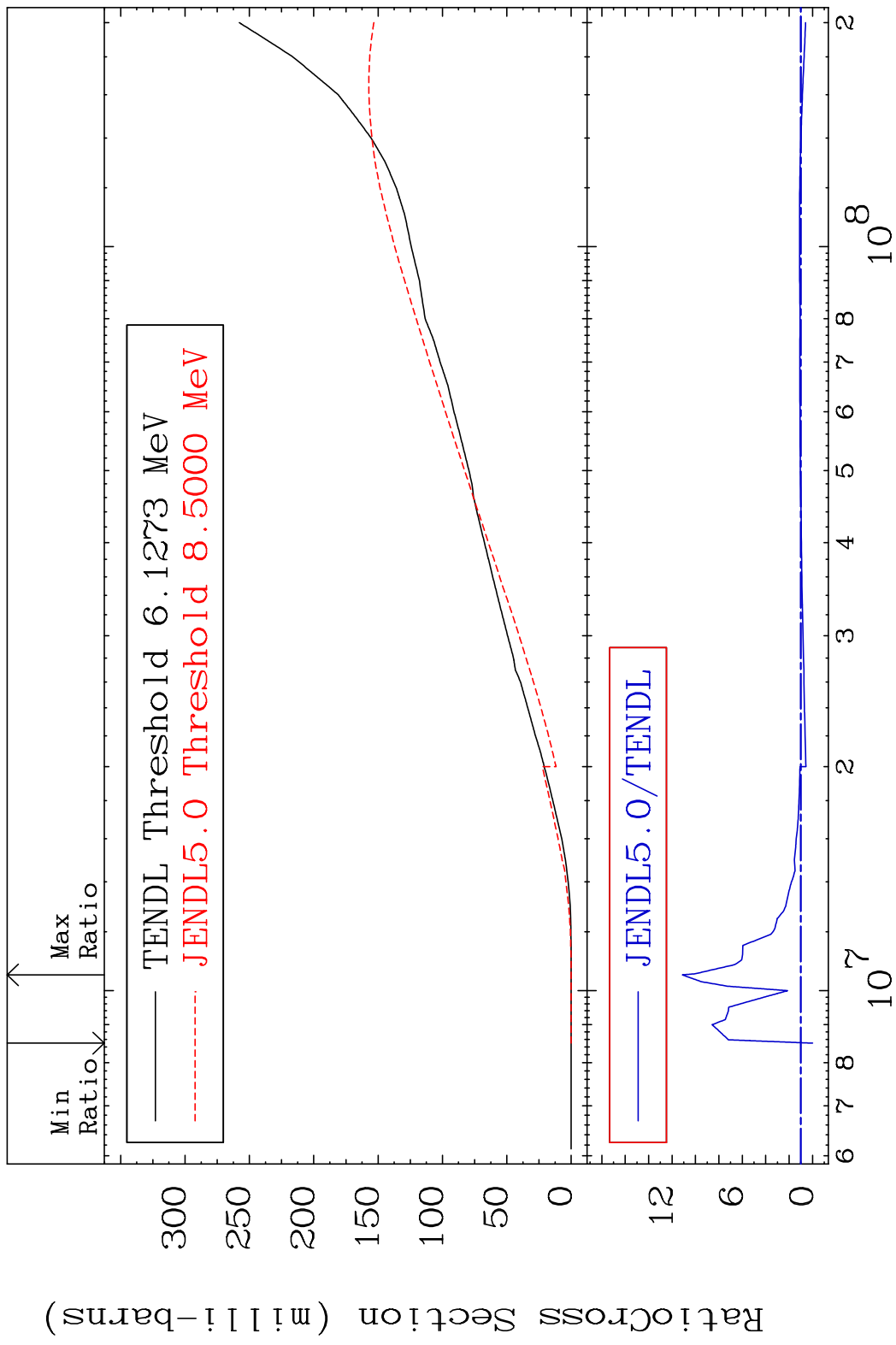


45

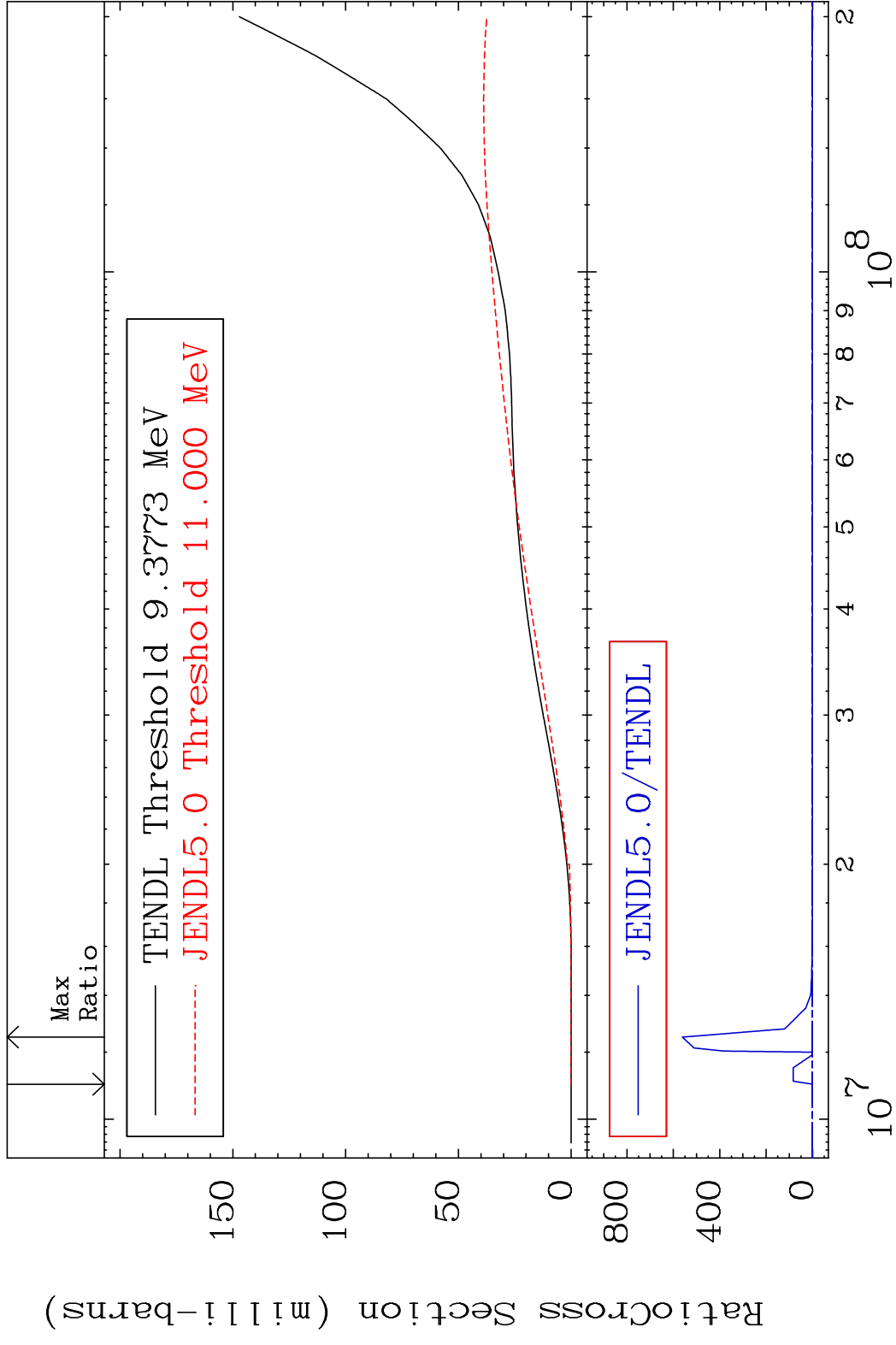
Incident Energy (eV)

44-Ru-98

MAT 4431 Deuterium Production 44-Ru-98  
 Cross Section -100.0 To 1012. %



MAT 4431 Tritium Production 44-Ru-98  
 Cross Section -100.0 To 9999. %



47 44-Ru-98

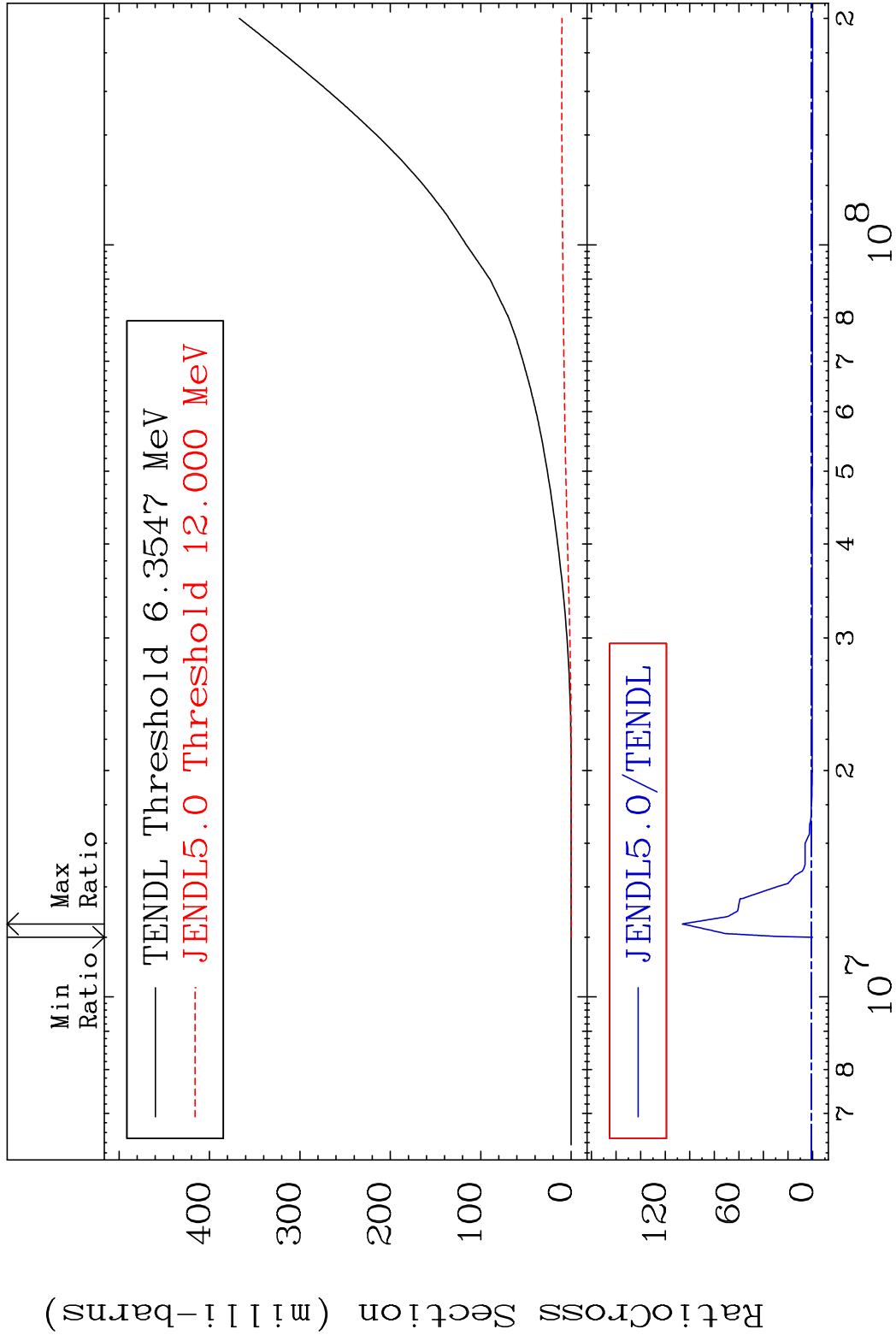


MAT 4431

He-3 Production

44-Ru-98

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

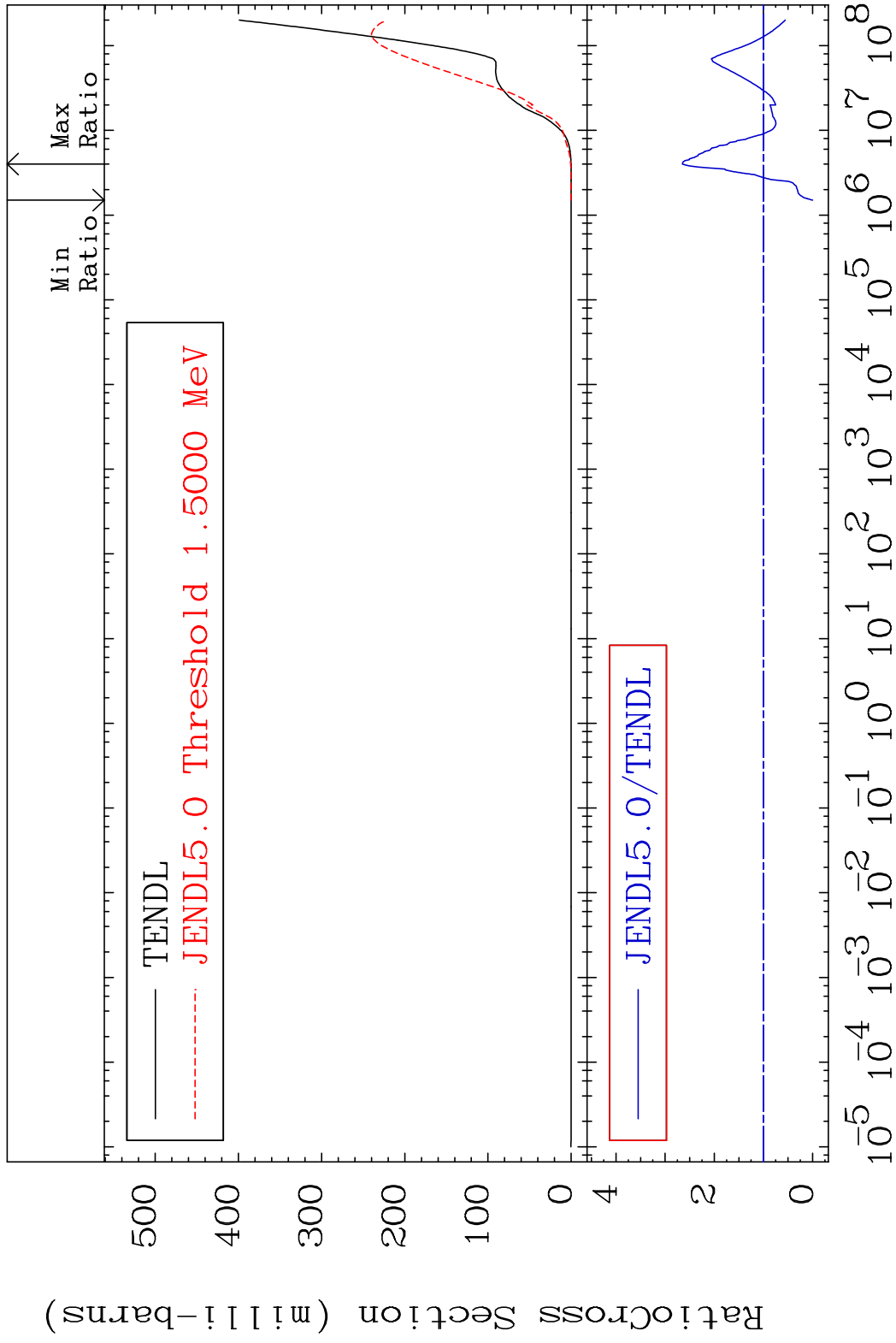
44-Ru-98

MAT 4431

He-4 Production

44-Ru-98

Cross Section -100.0 To 164.9 %

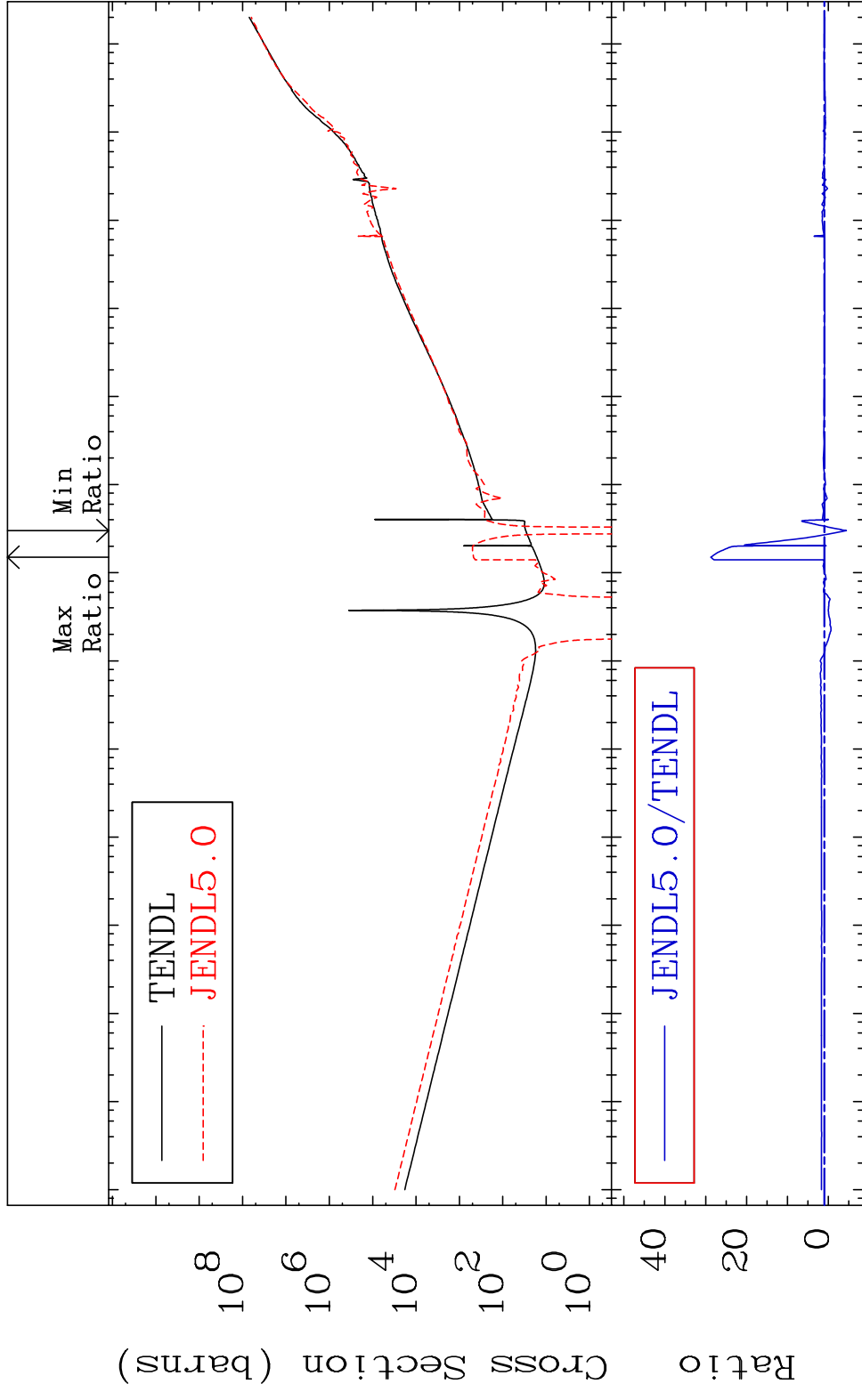


49

Incident Energy (eV)

44-Ru-98

MAT 4431 Kerma total (eV-barns) 44-Ru-98  
 Cross Section -537.8 To 2777. %



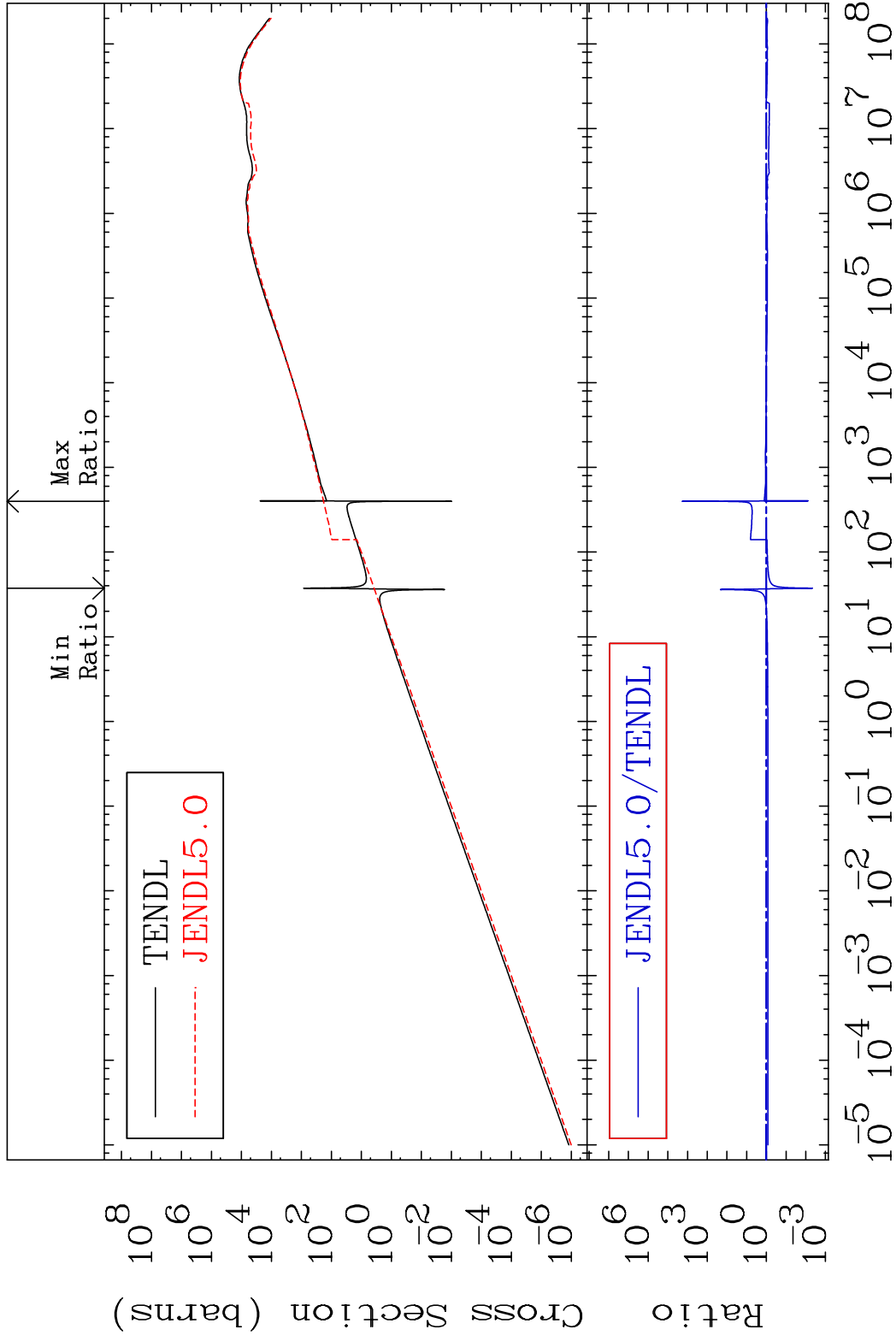
50 Incident Energy (eV) 44-Ru-98

MAT 4431

Kerma elastic

44-Ru-98

Cross Section -99.55 To 9999. %

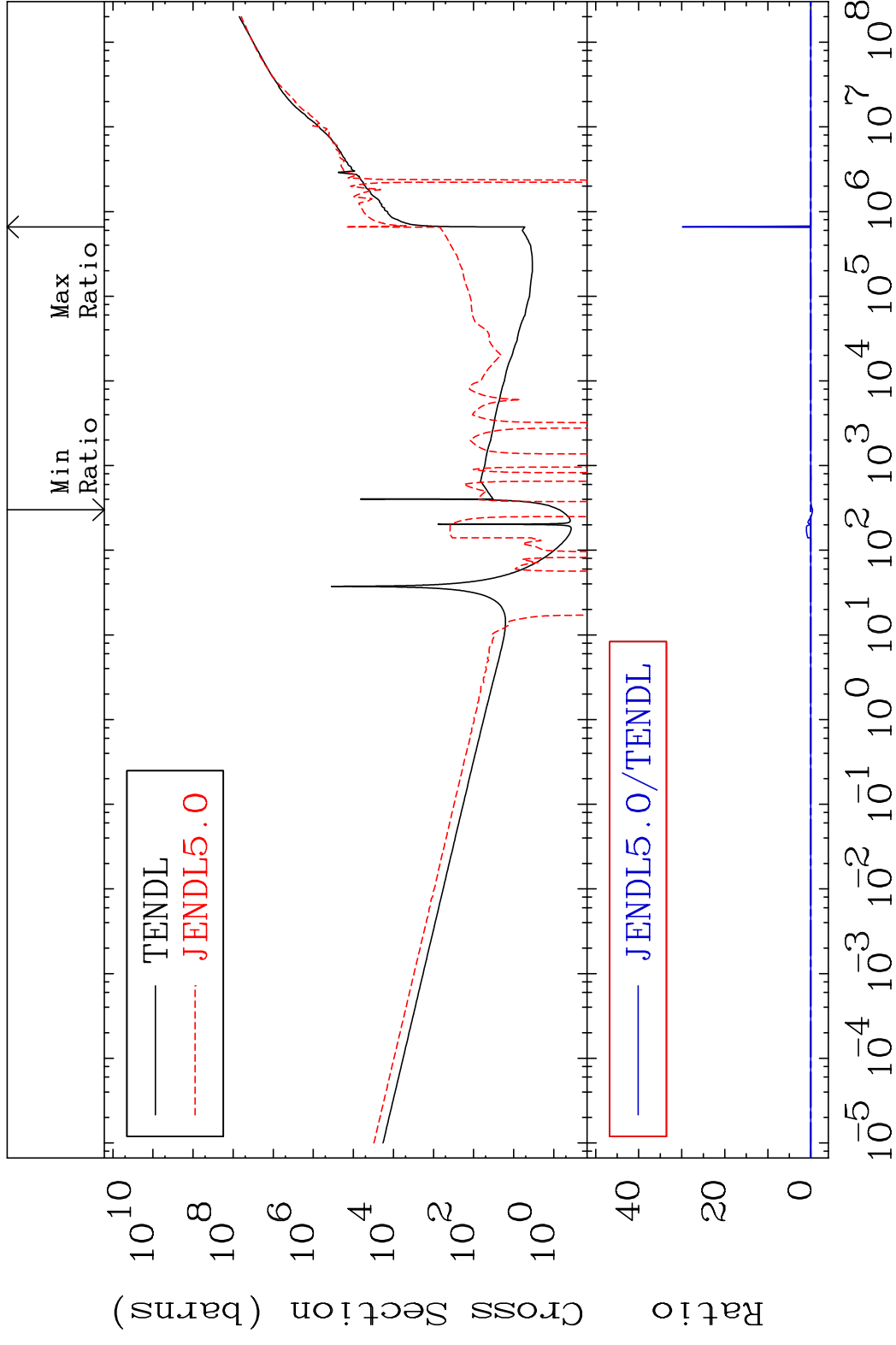


51

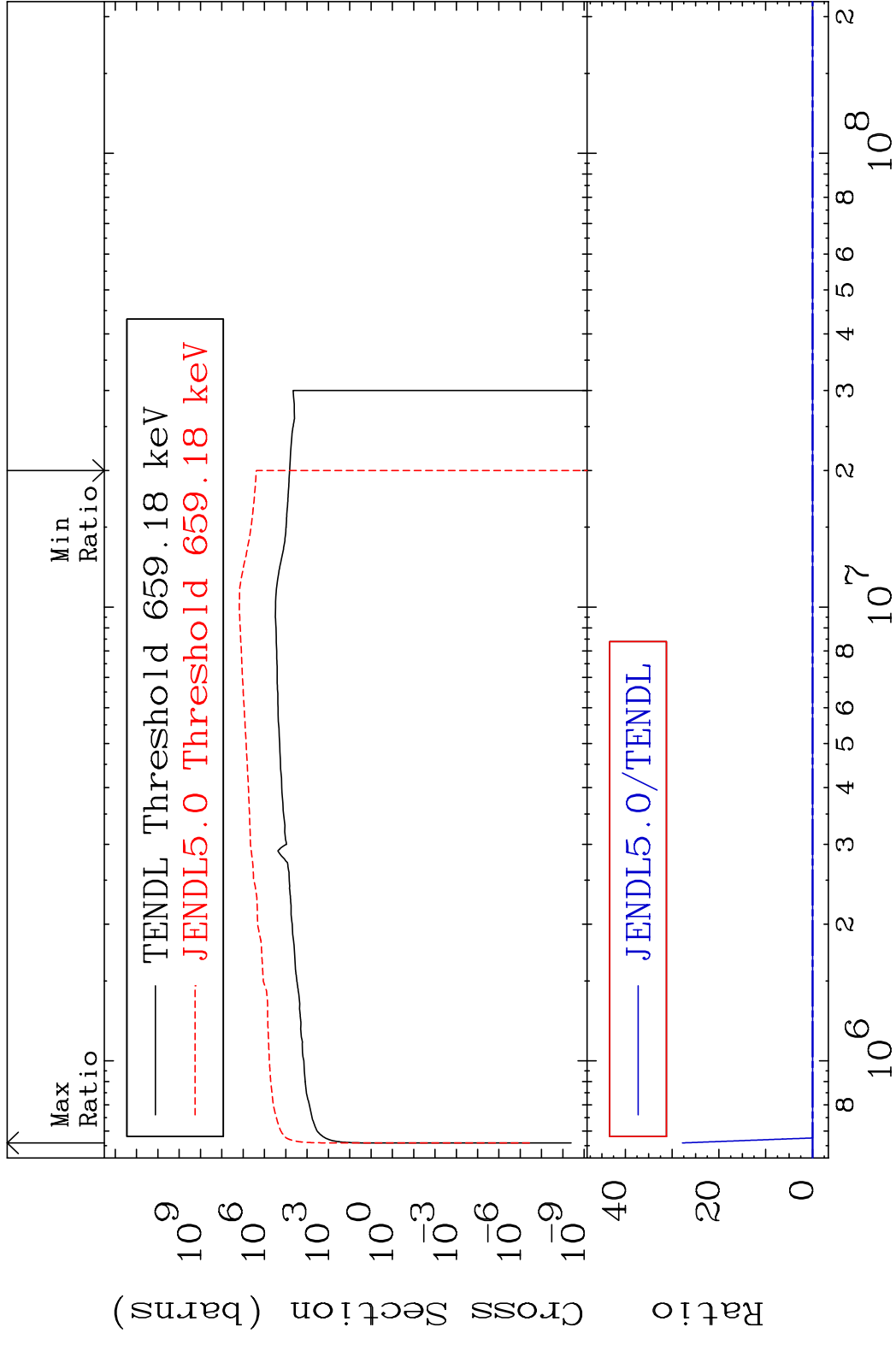
Incident Energy (eV)

44-Ru-98

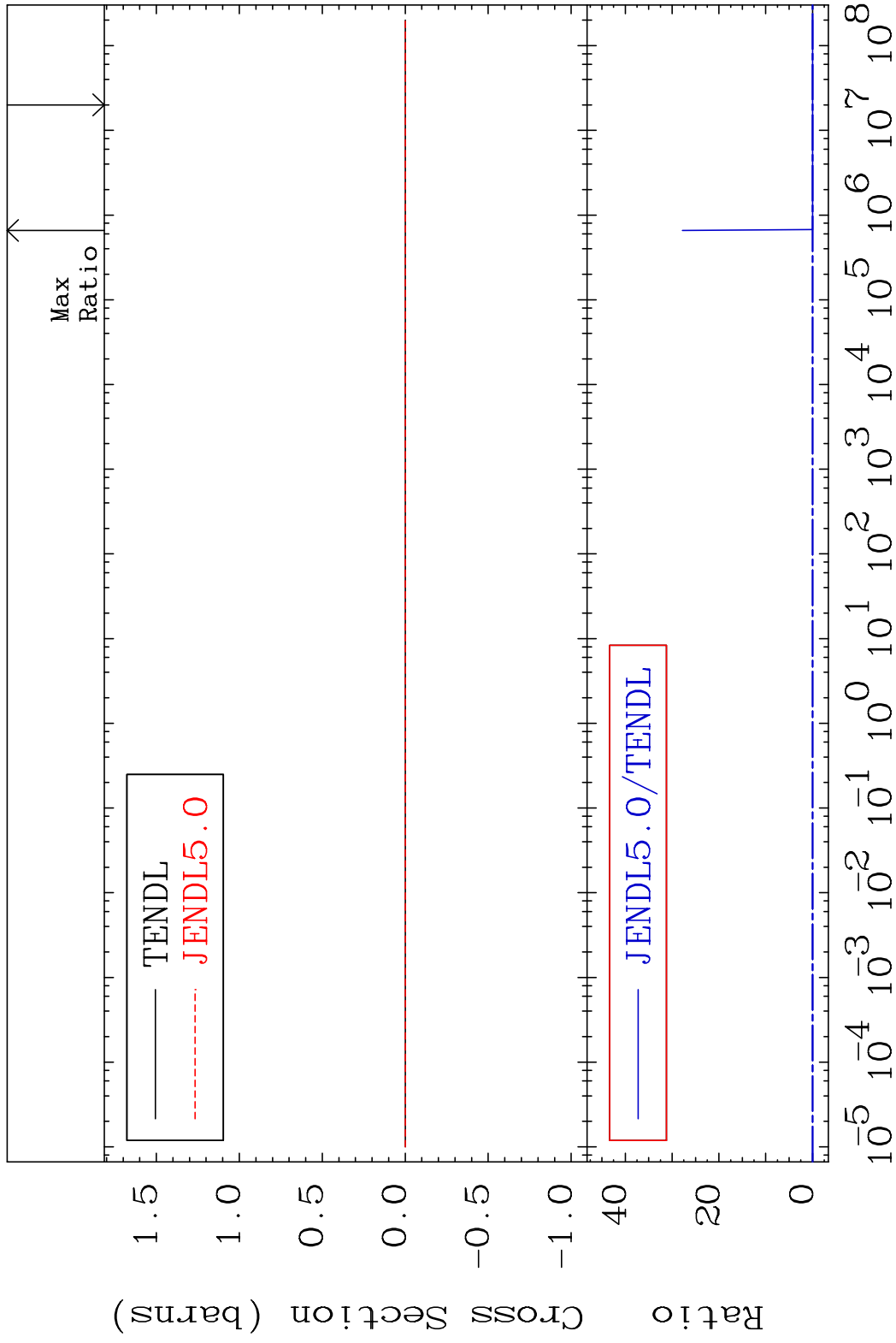
MAT 4431 Kerma non-elastic (all but mt2) 44-Ru-98  
 Cross Section -9999. To 9999. %



MAT 4431 Kerma inelastic (mt51-91) 44-Ru-98  
 Cross Section -100.0 To 9999. %



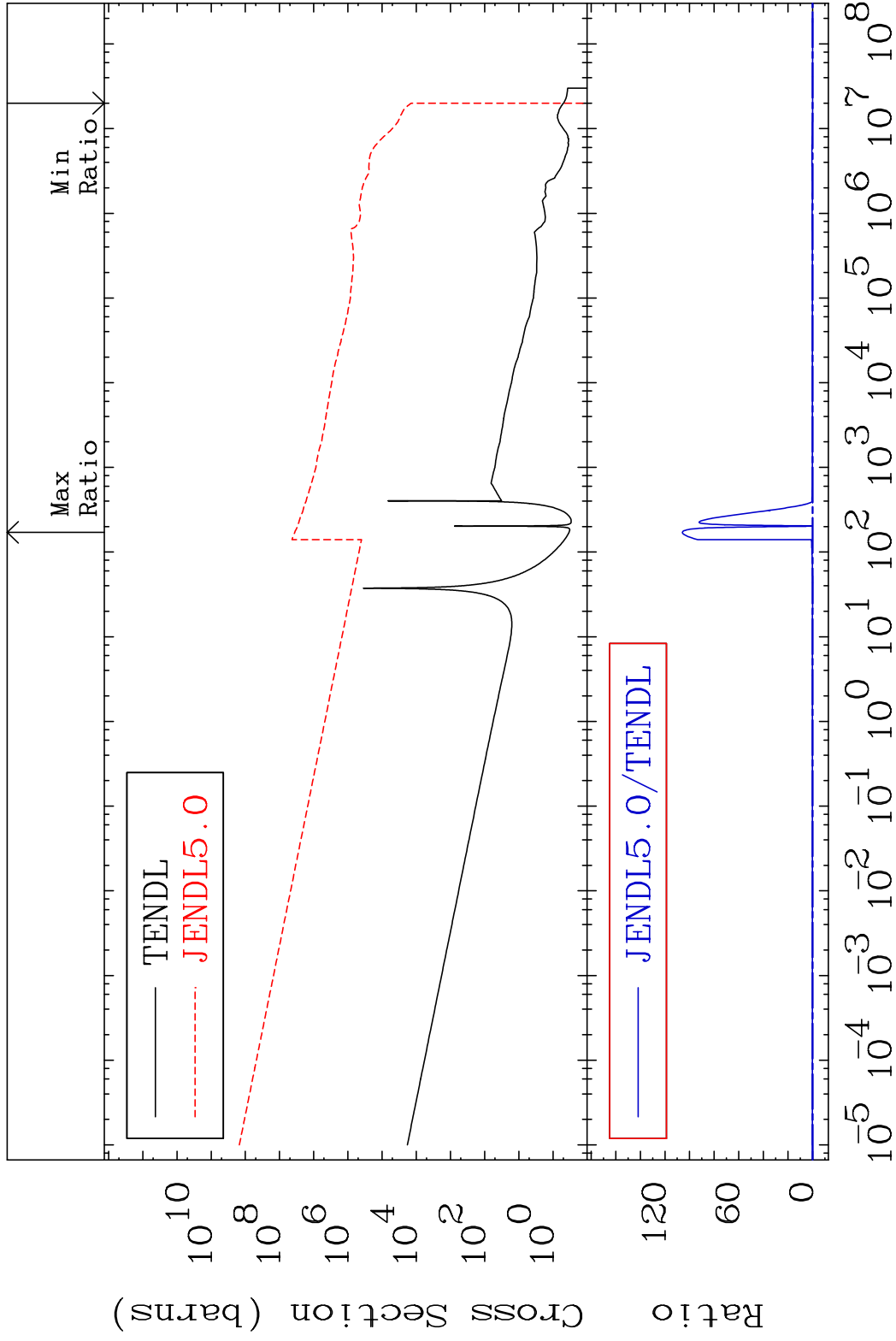
MAT 4431 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-98  
 Cross Section -100.0 To 9999. %



MAT 4431

Kerma capture (mt102) 44-Ru-98

Cross Section -100.0 To 9999. %



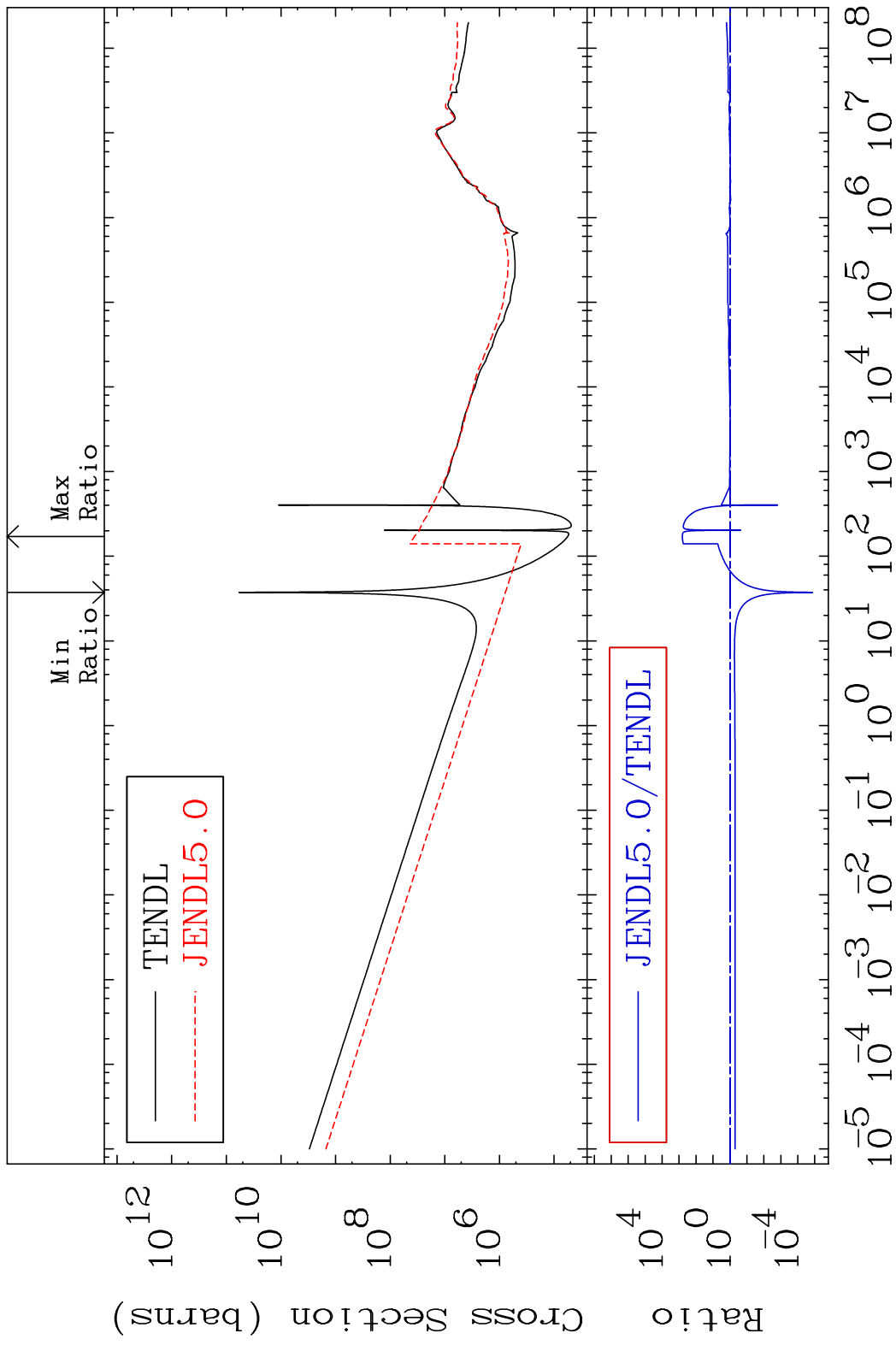
55

Incident Energy (eV)

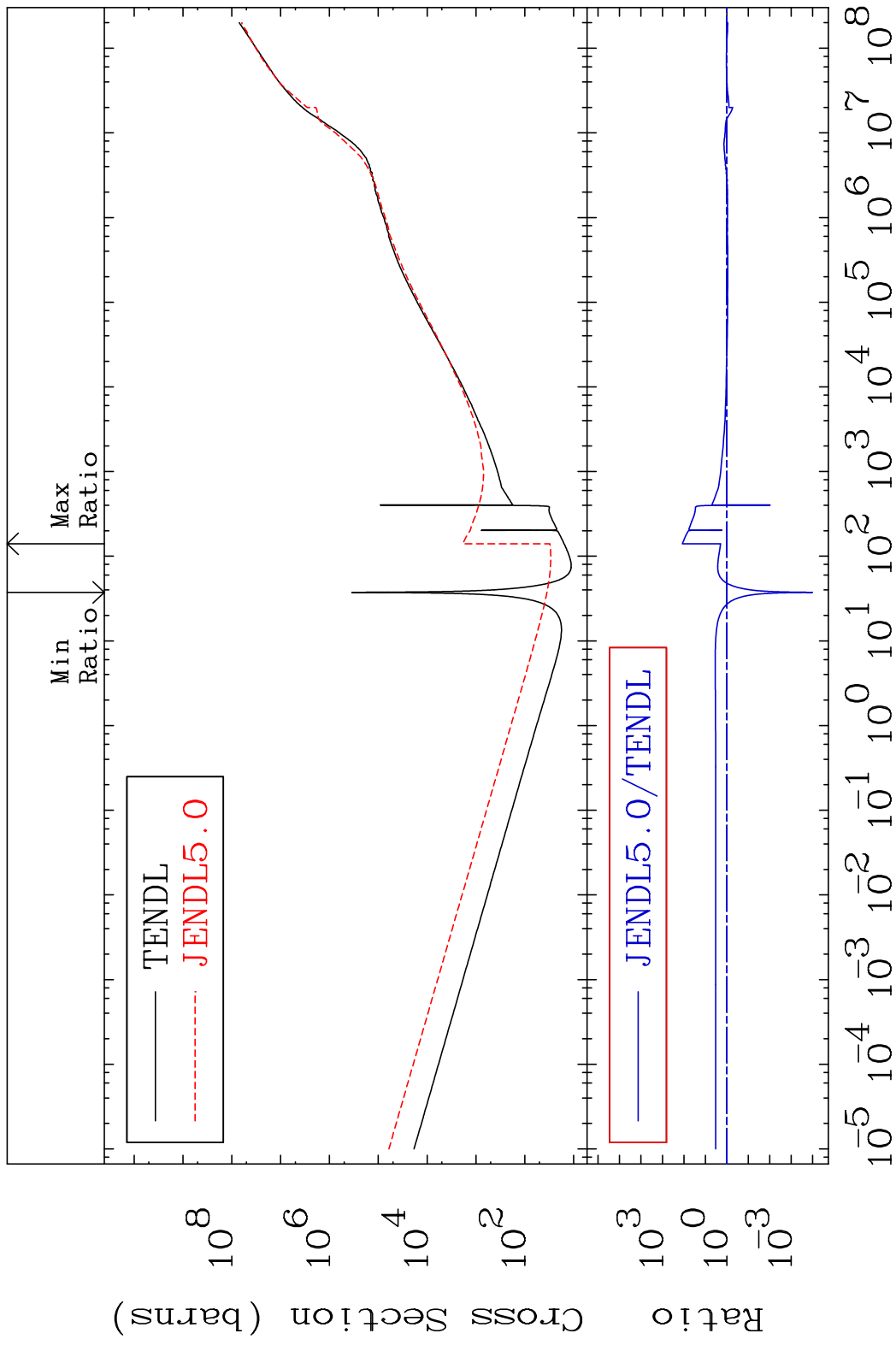
44-Ru-98



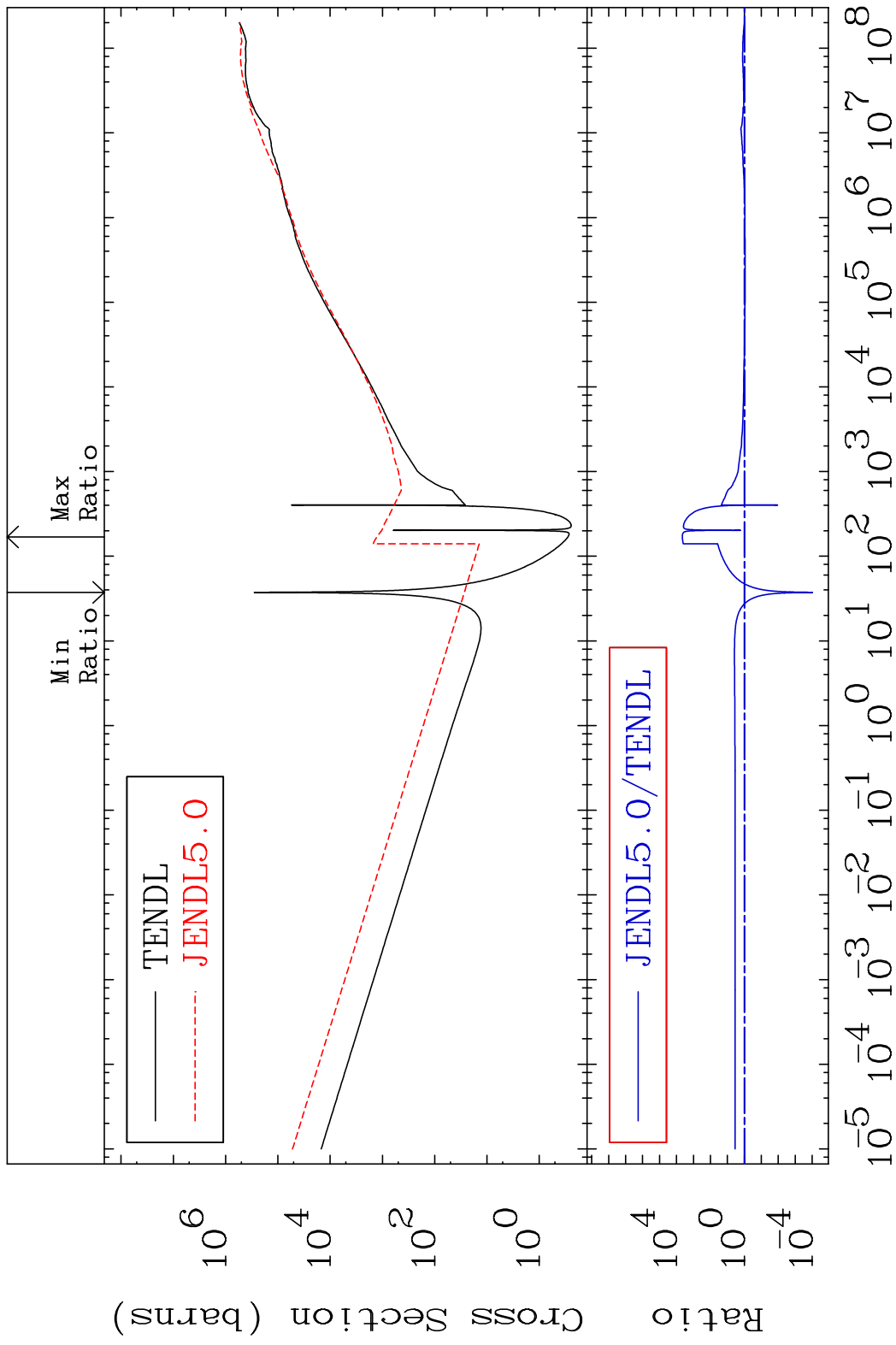
MAT 4431 Total photon (eV-barns) 44-Ru-98  
 Cross Section -100.0 To 9999. %



MAT 4431 Total kinematic kerma (high limit) 44-Ru-98  
 Cross Section -99.99 To 9999. %



MAT 4431 Dpa total (eV-barns) 44-Ru-98  
 Cross Section -99.99 To 9999. %



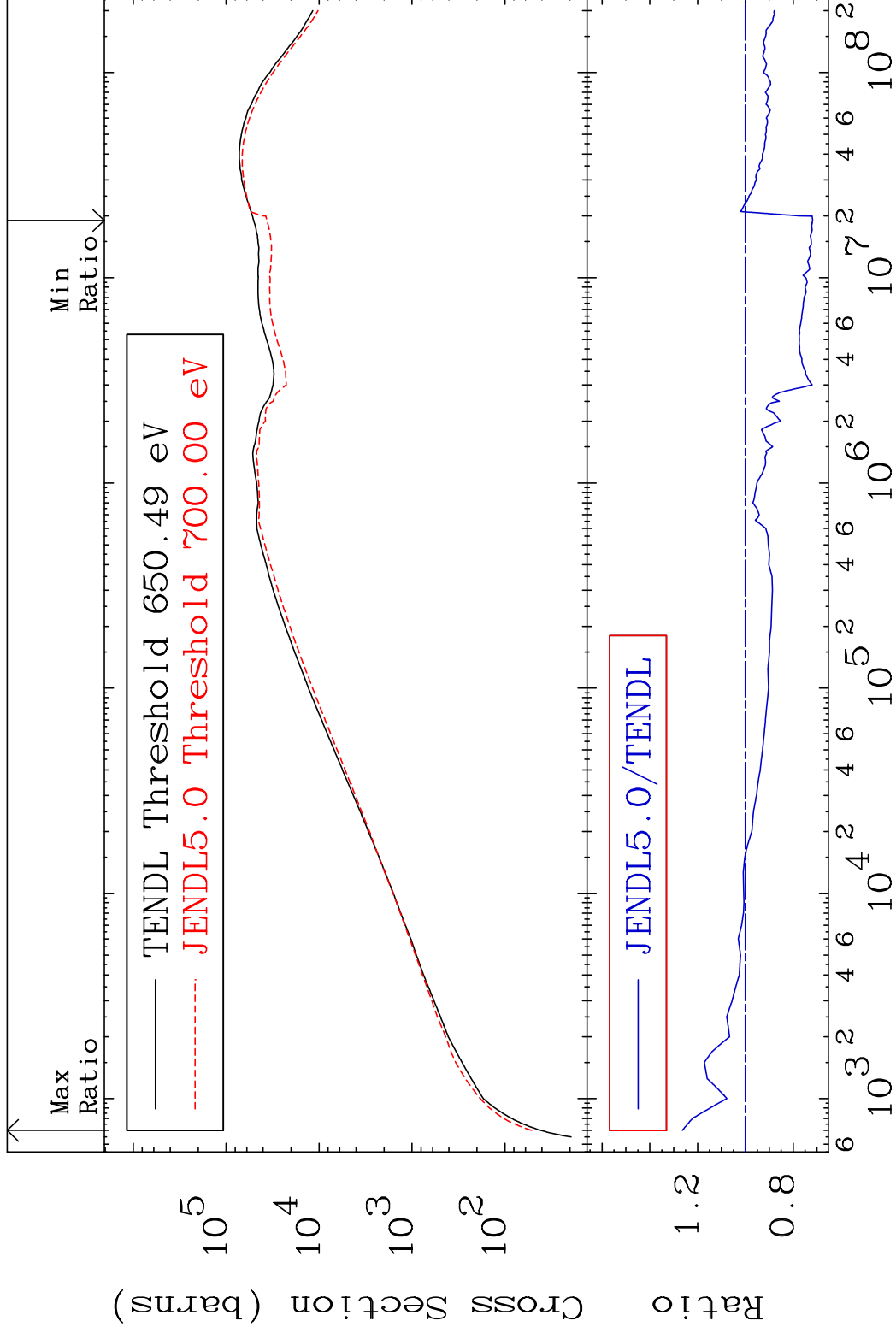
58 Incident Energy (eV) 44-Ru-98

MAT 4431

Dpa elastic (mt2)

44-Ru-98

Cross Section -28.12 To 26.39 %

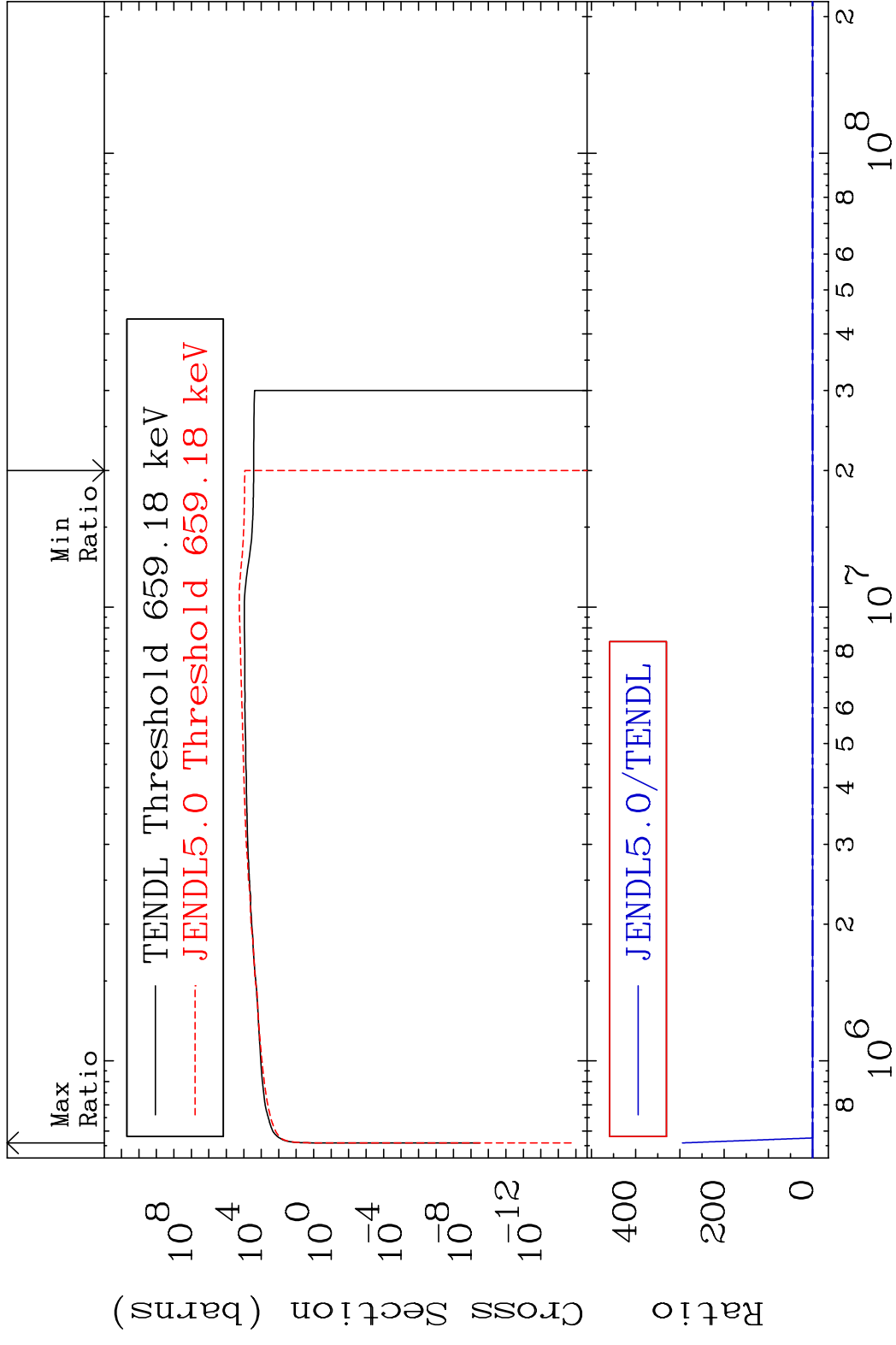


59

Incident Energy (eV)

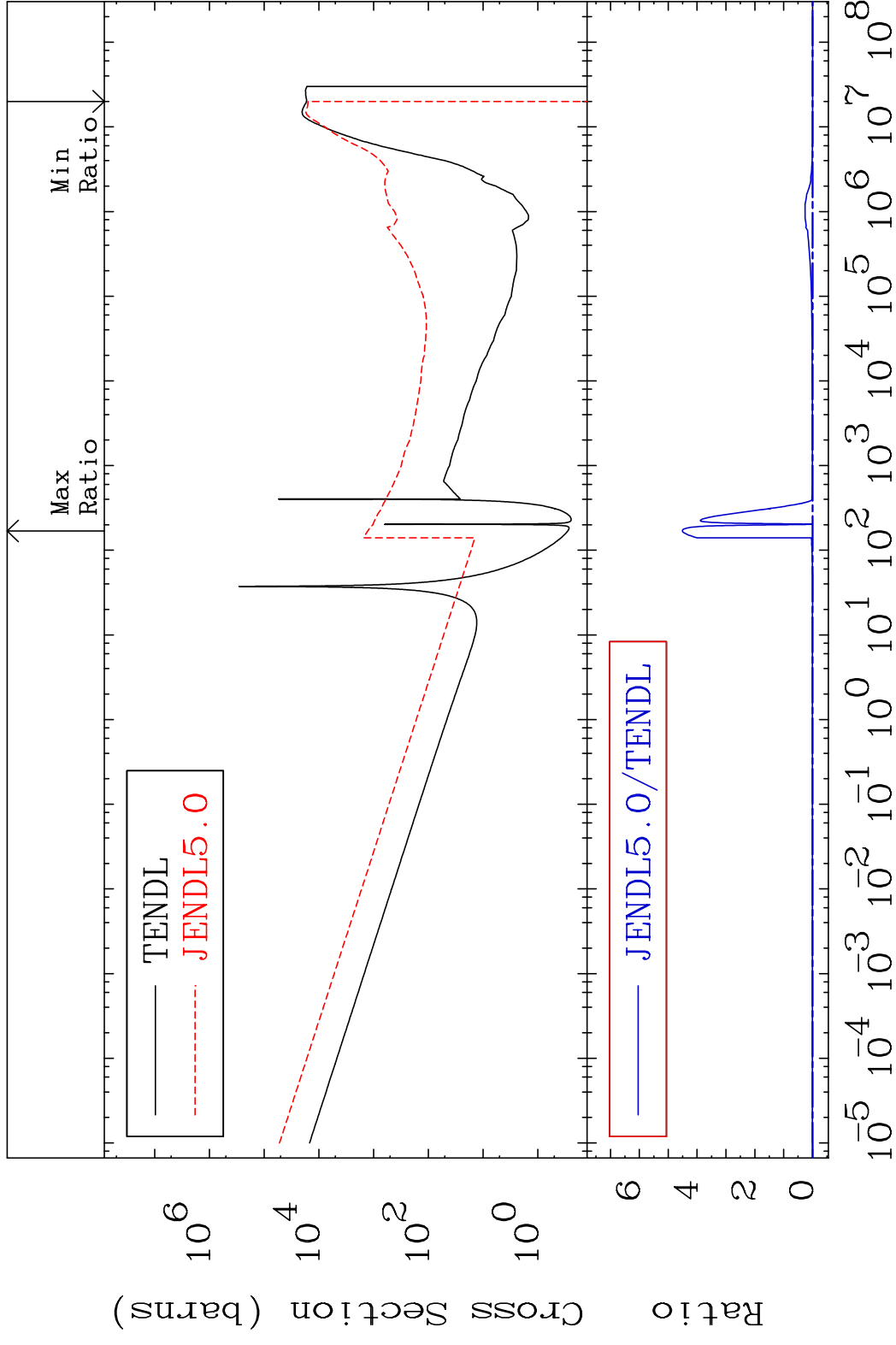
44-Ru-98

MAT 4431 Dpa inelastic (mt51-91) 44-Ru-98  
 Cross Section -100.0 To 9999. %



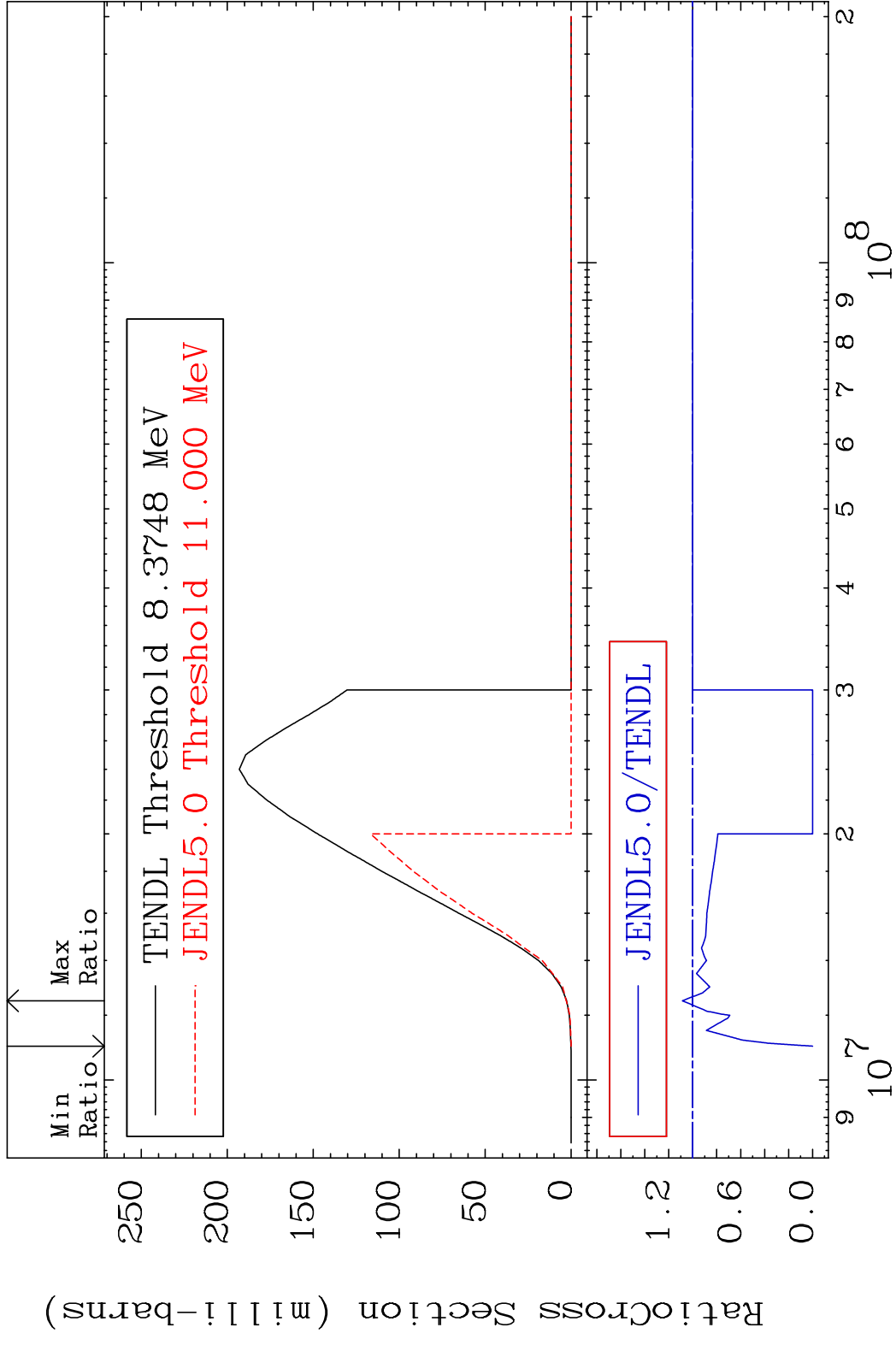
60 Incident Energy (eV) 44-Ru-98

MAT 4431 Dpa disappearance (mt102 -120) 44-Ru-98  
 Cross Section -100.0 To 9999. %

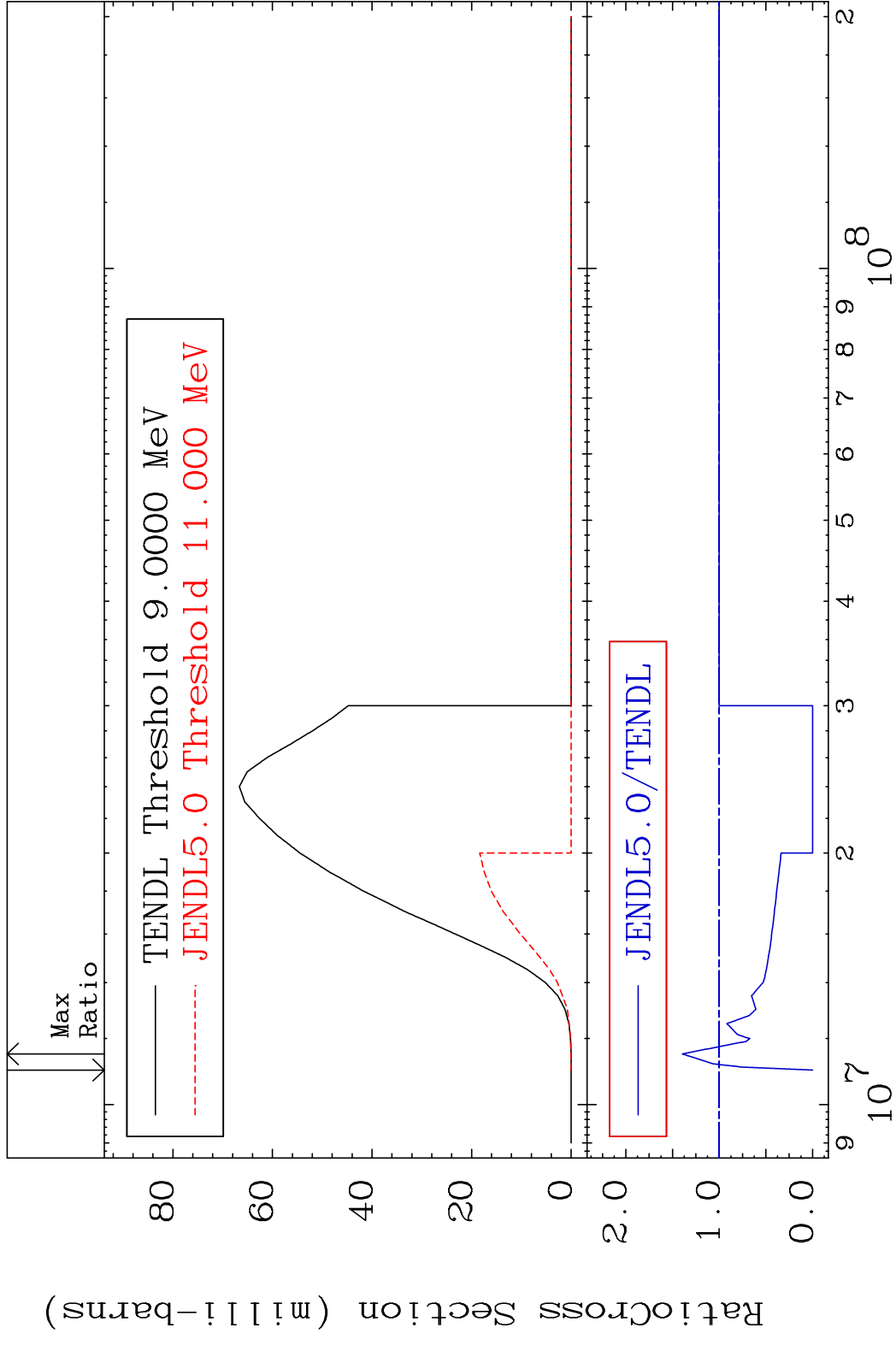


61 Incident Energy (eV) 44-Ru-98

MAT 4431 (n, n') p:43-Tc-97g 44-Ru-98  
 Radionuclide Production Cross Section Ratio 8.665 %



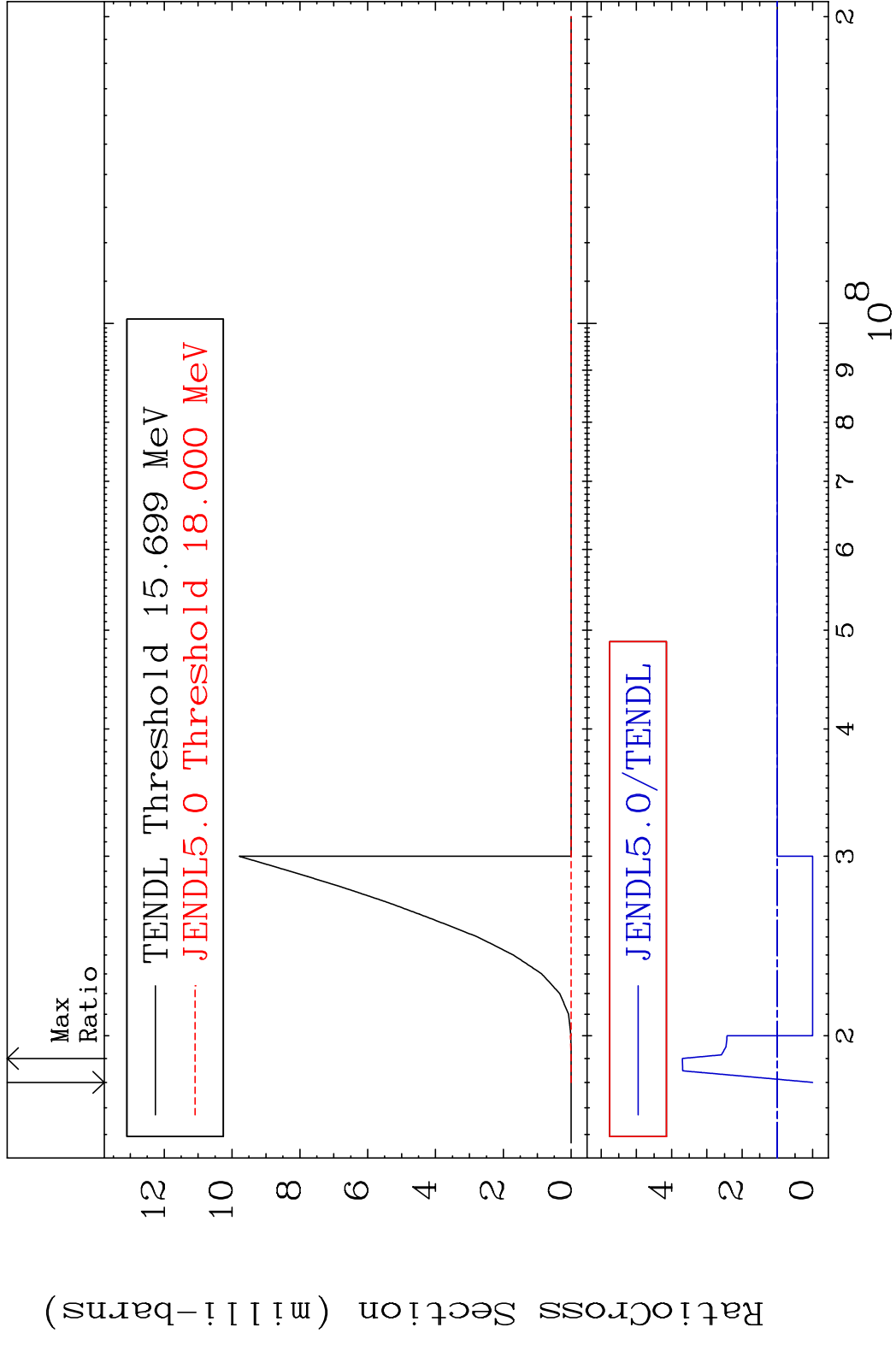
MAT 4431 (n, n') p:43-Tc-97m1 44-Ru-98  
 Radionuclide Production Cross Section Ratio 39.48 %



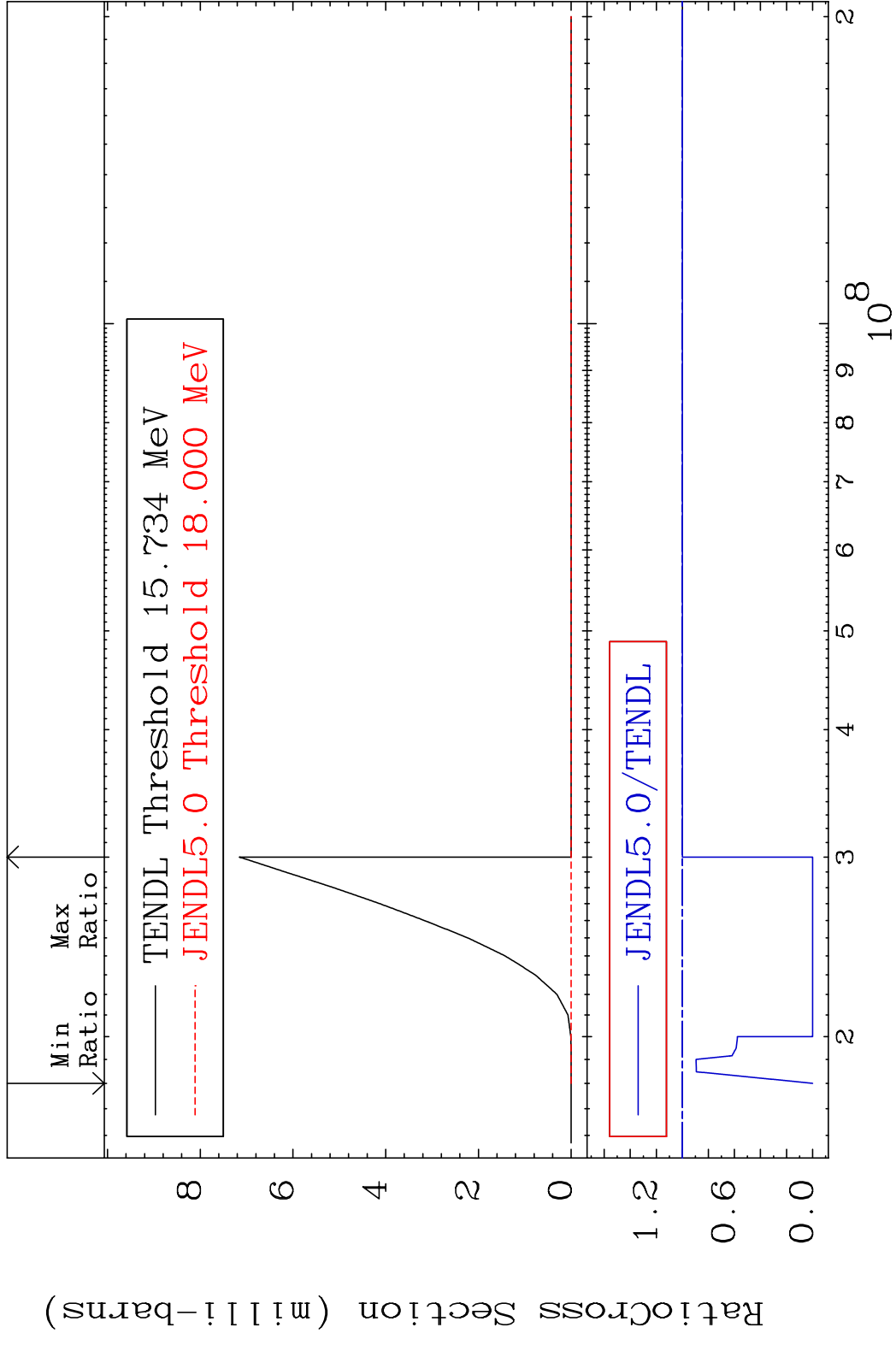
63 Incident Energy (eV) 44-Ru-98



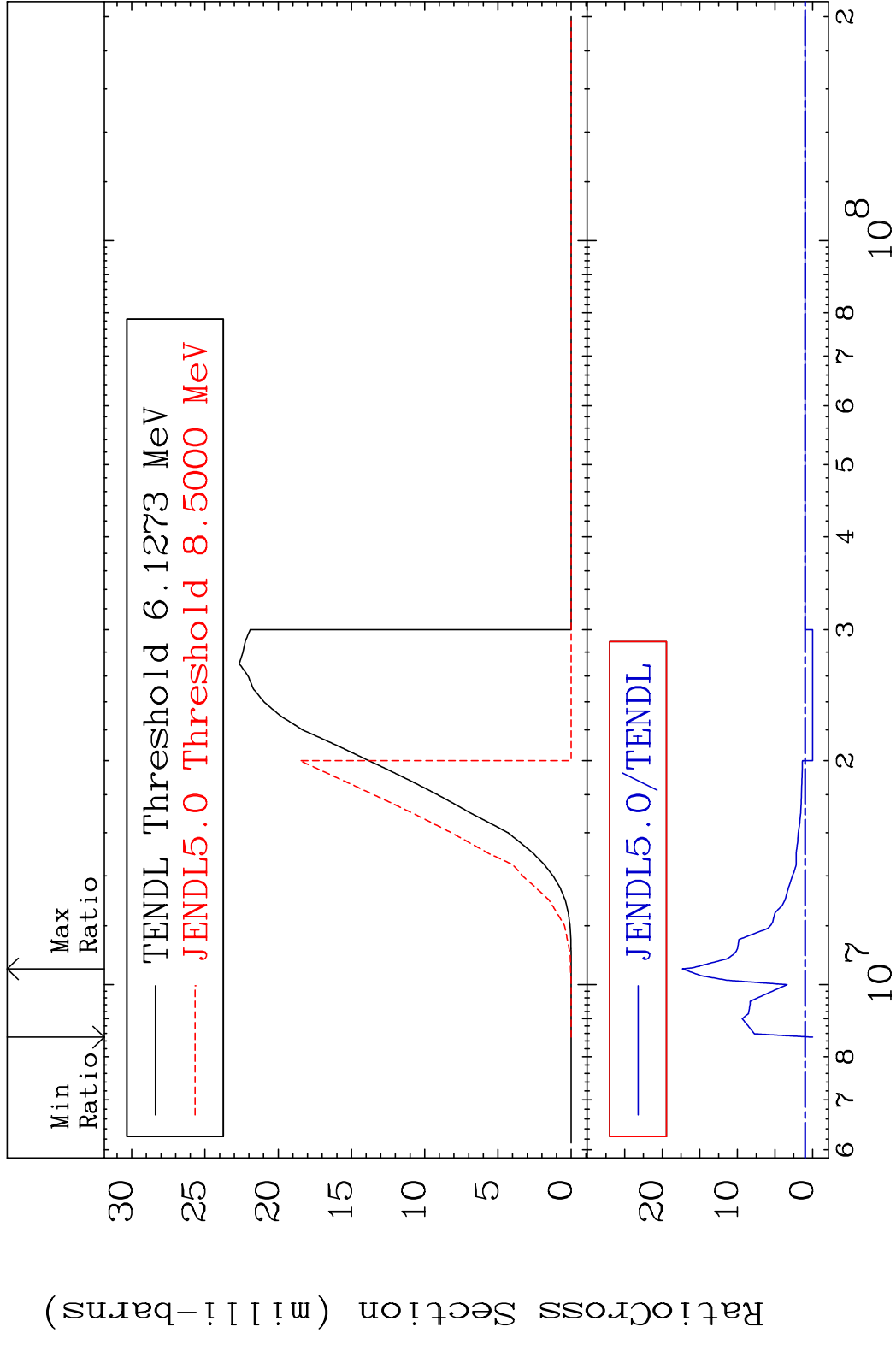
MAT 4431 (n, n') d:43-Tc-96g 44-Ru-98  
 Radionuclide Production Cross Section Ratio 269.6 %



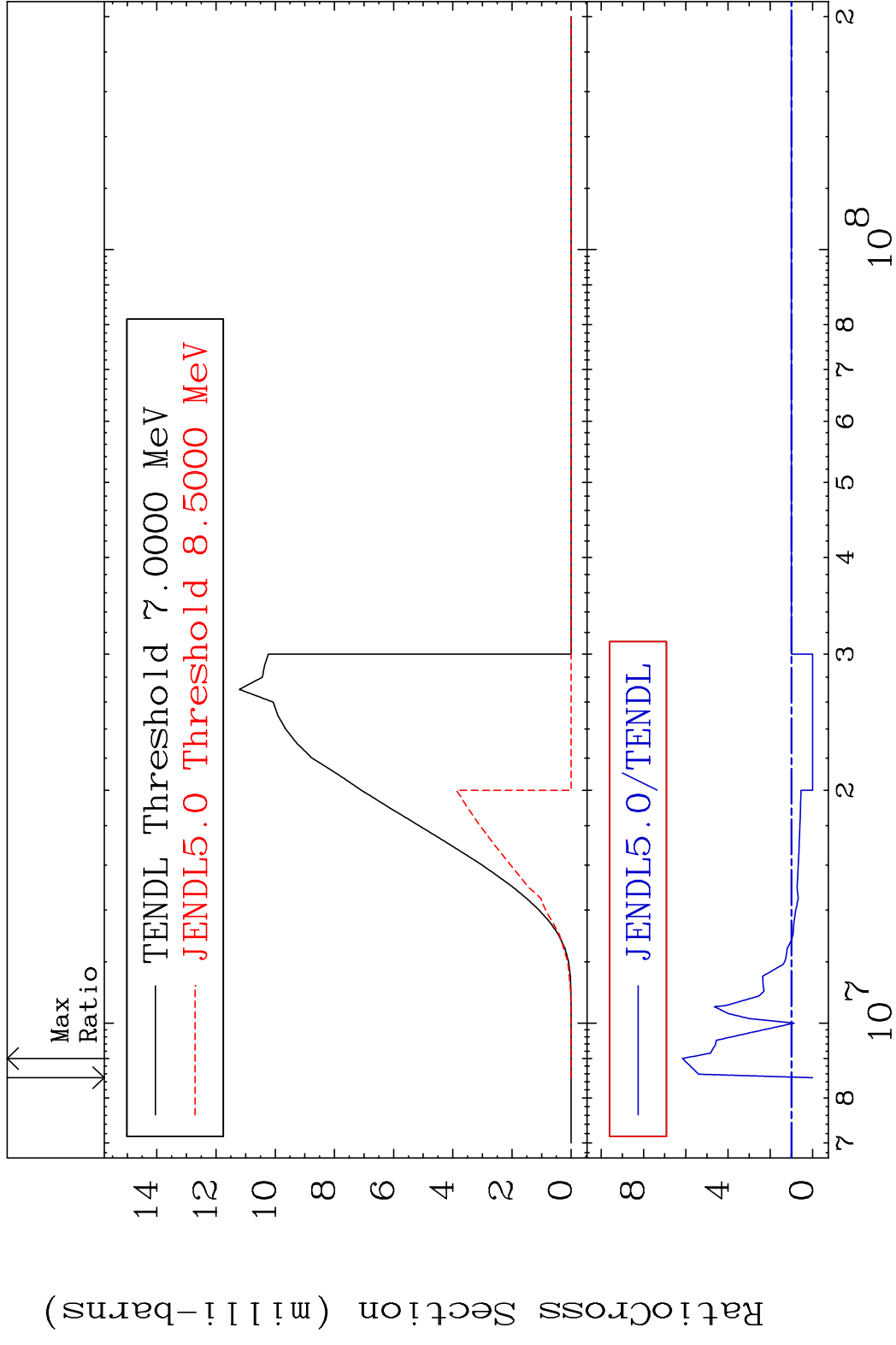
MAT 4431 (n, n') d:43-Tc-96m1 44-Ru-98  
 Radionuclide Production Cross Section Ratio 0.000 %



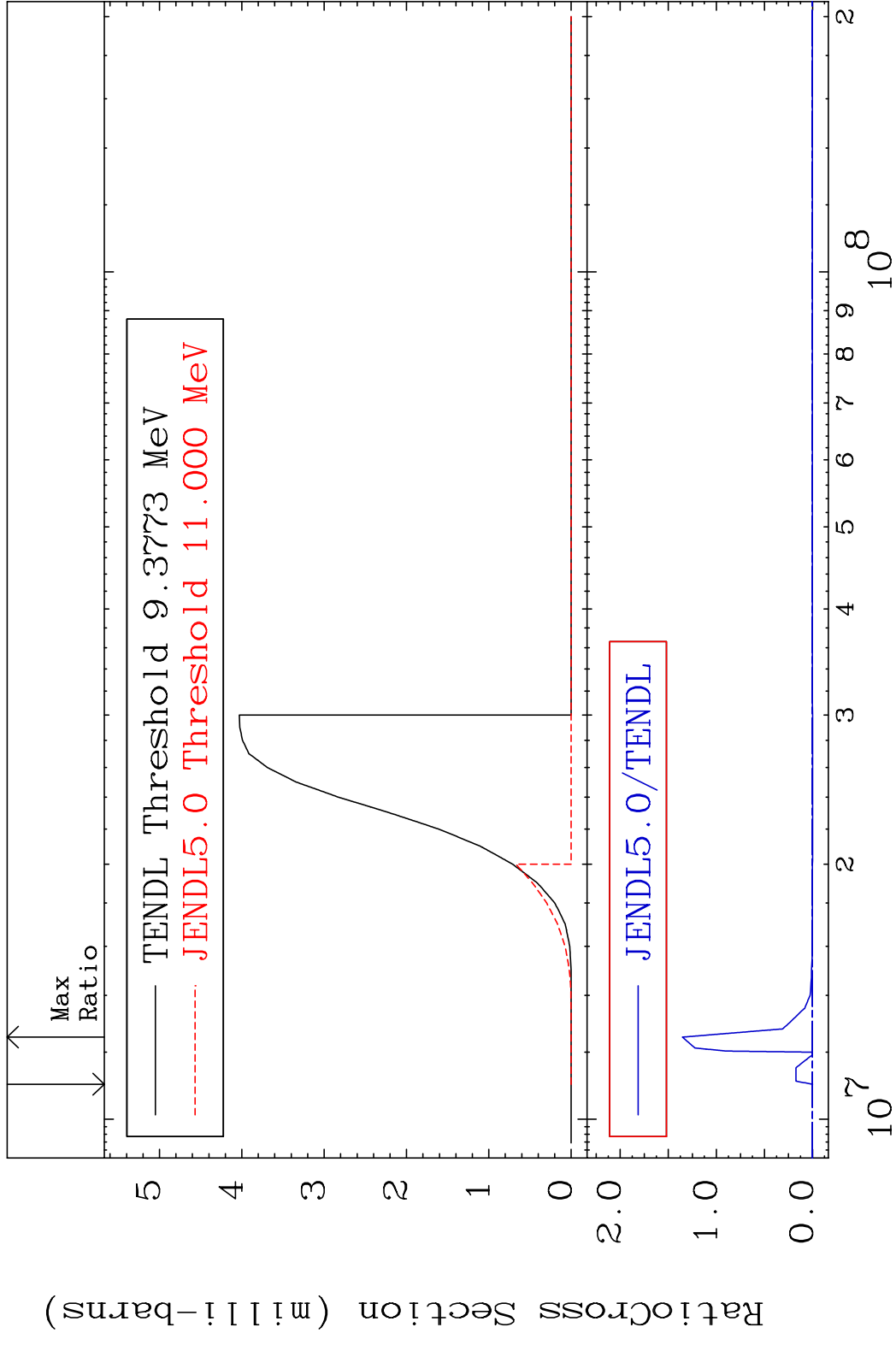
MAT 4431 (n,d):43-Tc-97g 44-Ru-98  
 Radionuclide Production Cross Section 1663.0 dth 1633. %



MAT 4431 (n,d):43-Tc-97m1 44-Ru-98  
 Radionuclide Production Cross Section 516.2 %

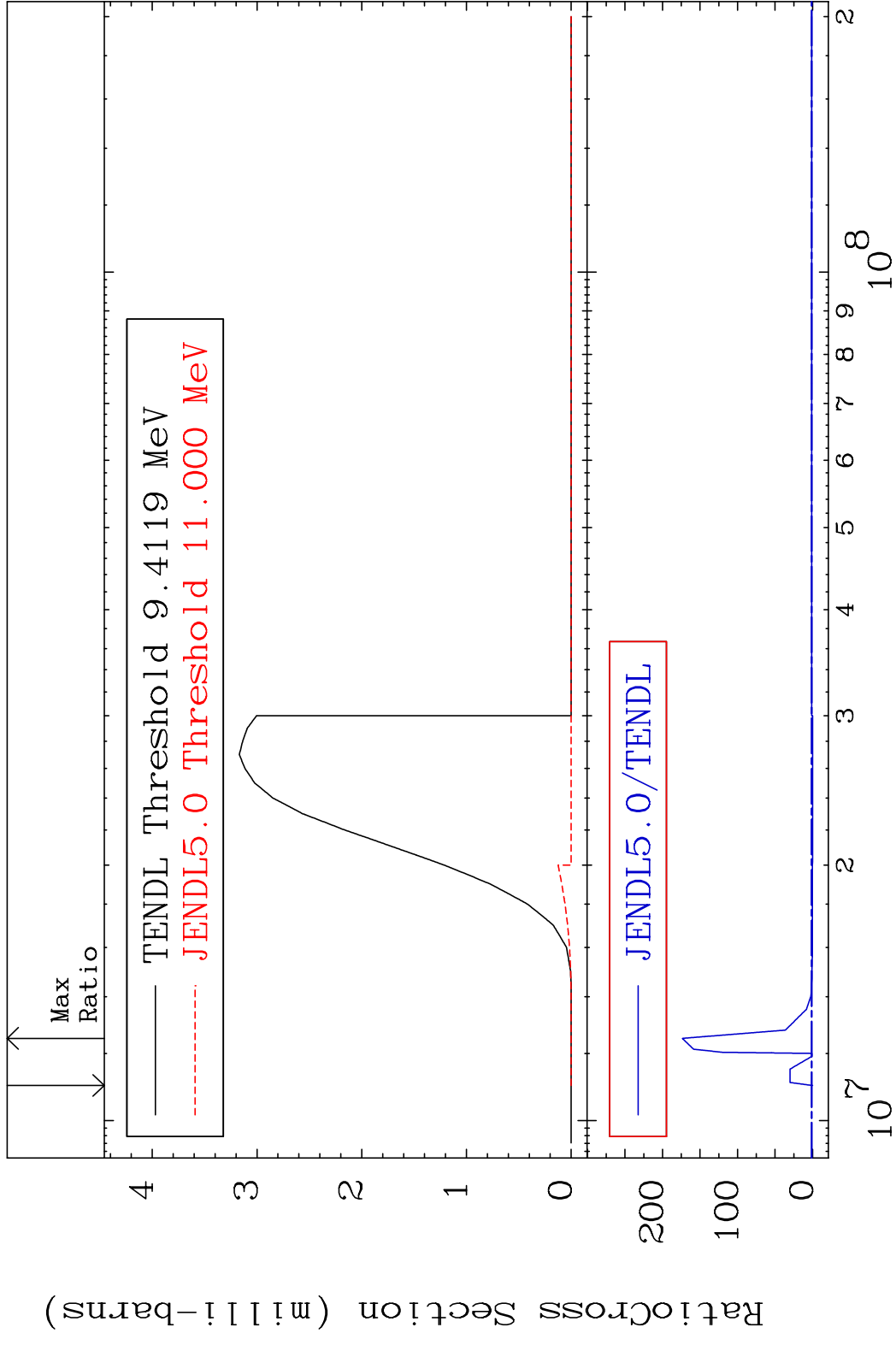


MAT 4431 (n, t): 43-Tc-96g 44-Ru-98  
 Radionuclide Production Cross Section Ratio



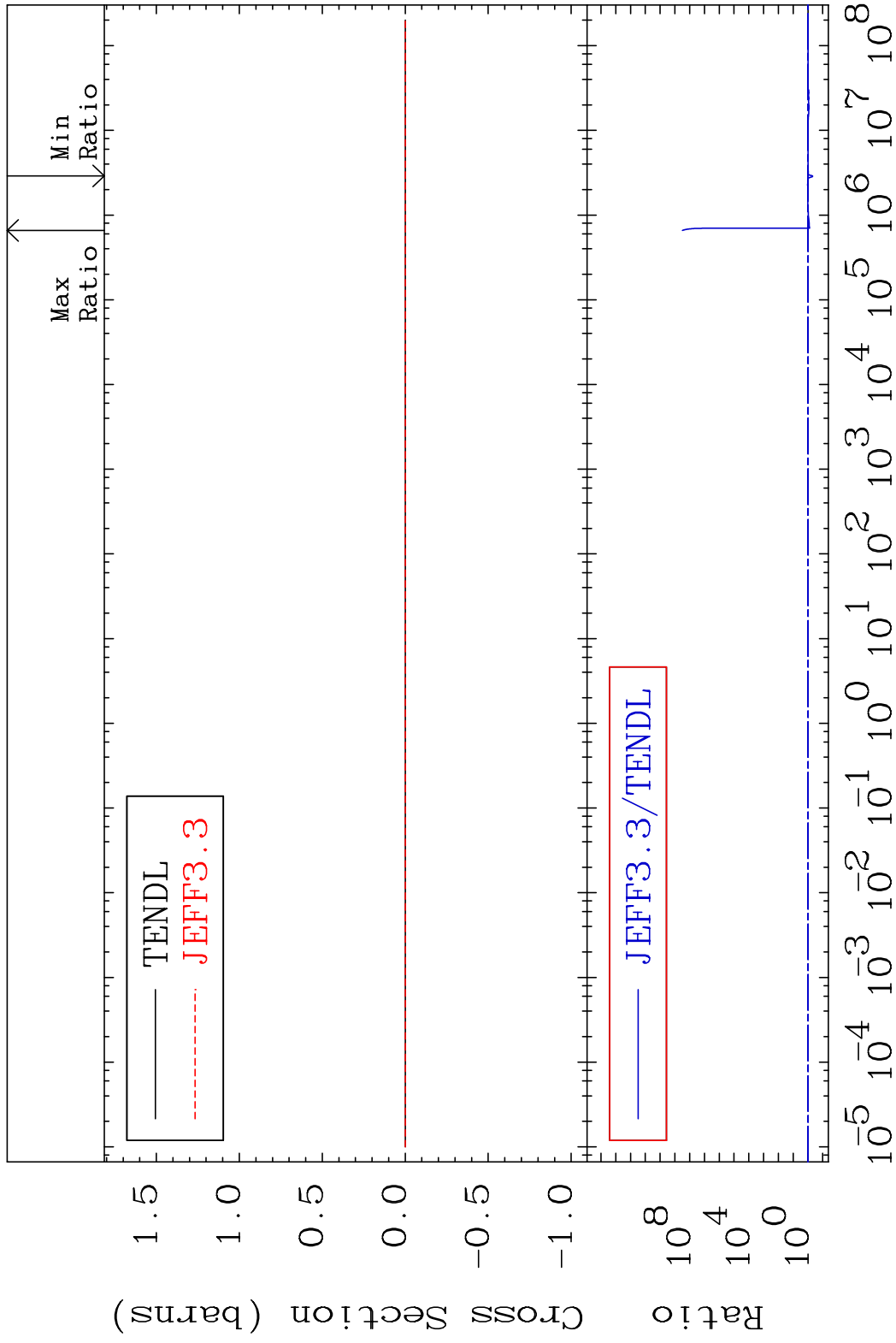
68 Incident Energy (eV) 44-Ru-98

MAT 4431 (n,t):43-Tc-96m1 44-Ru-98  
 Radionuclide Production Cross Section Ratio



69 Incident Energy (eV) 44-Ru-98

MAT 4431 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-98  
 Cross Section -51.15 To 9999. %

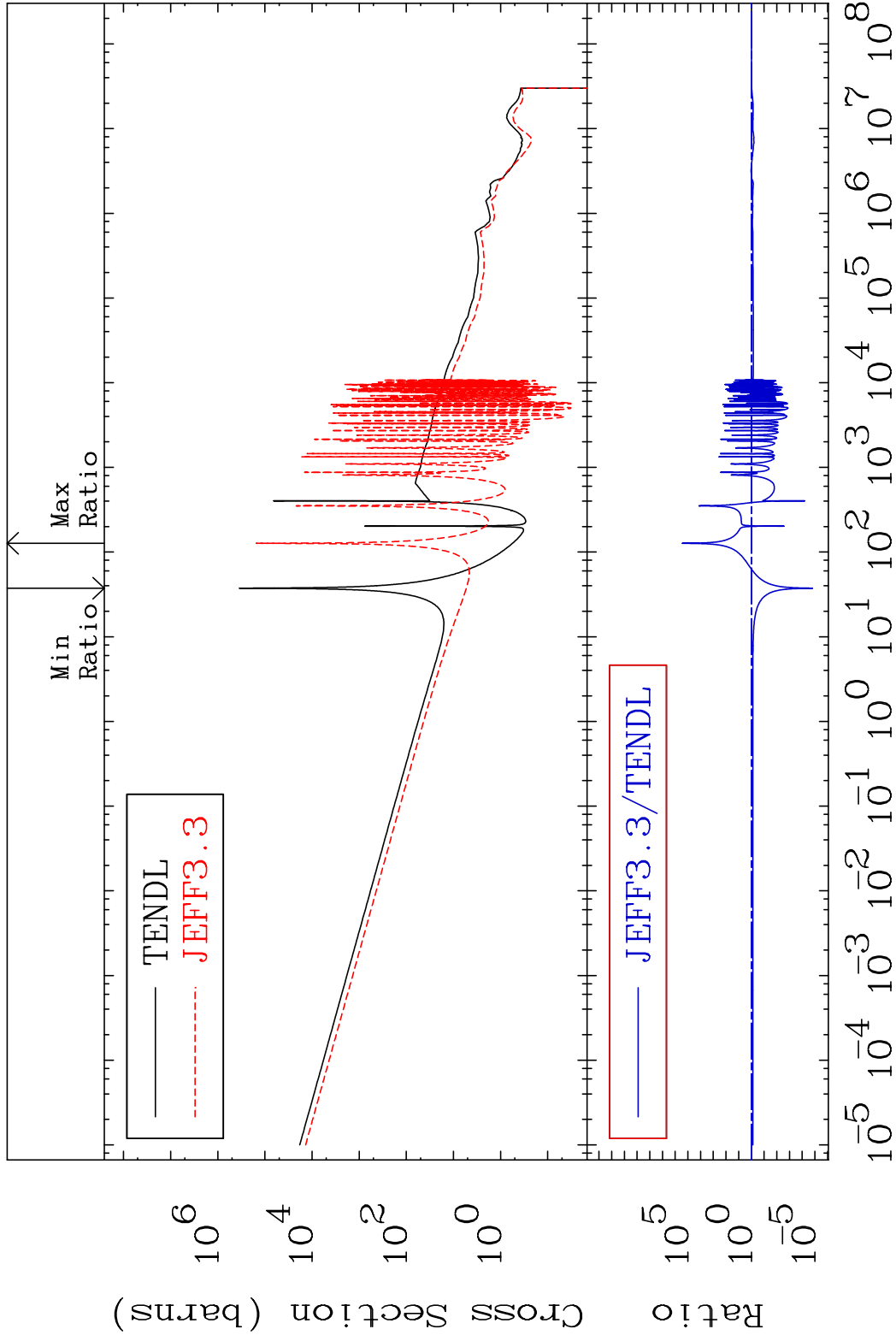


70 Incident Energy (eV) 44-Ru-98

MAT 4431

Kerma capture (mt102) 44-Ru-98

Cross Section -100.0 To 9999. %



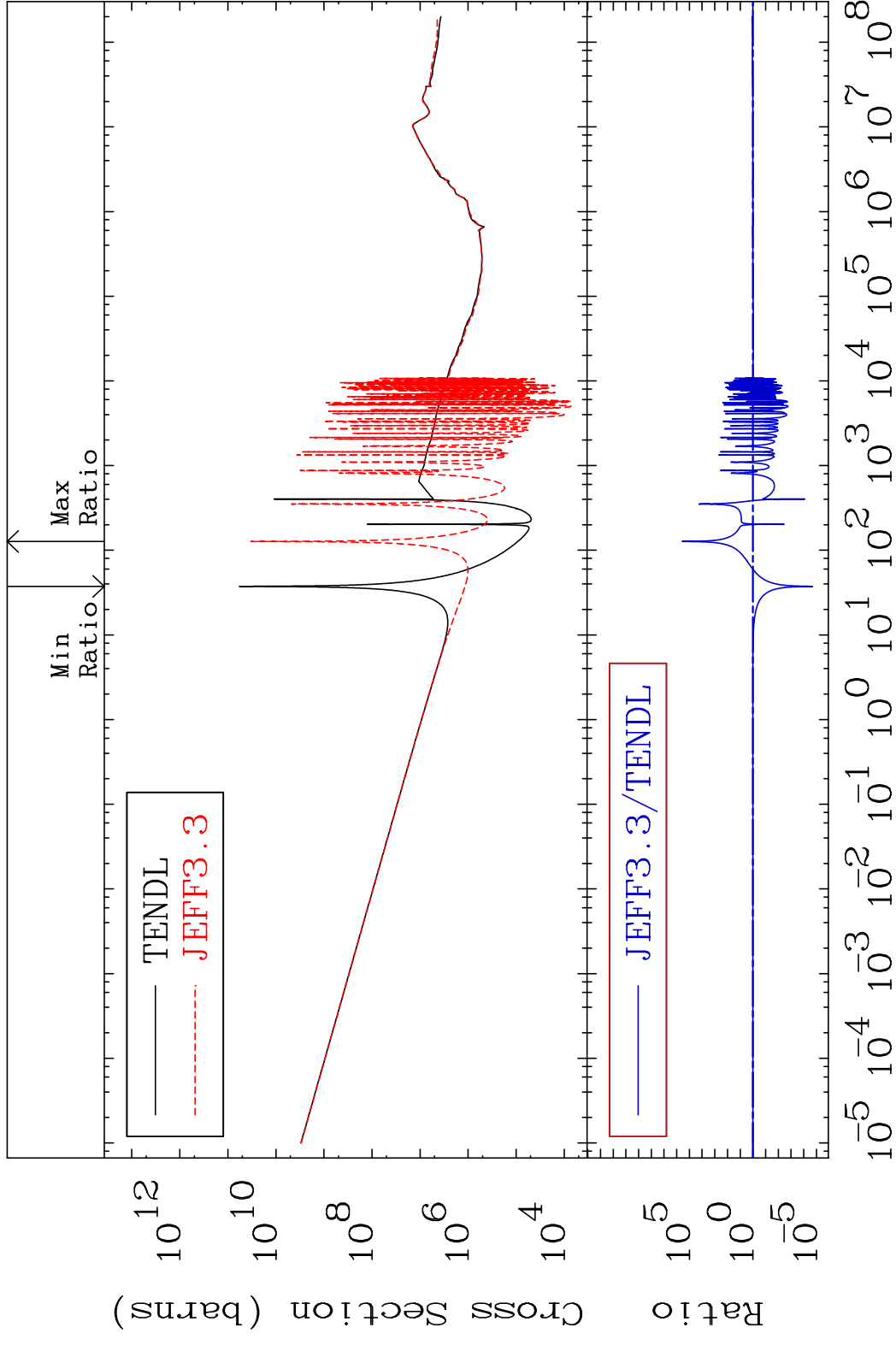
71

Incident Energy (eV)

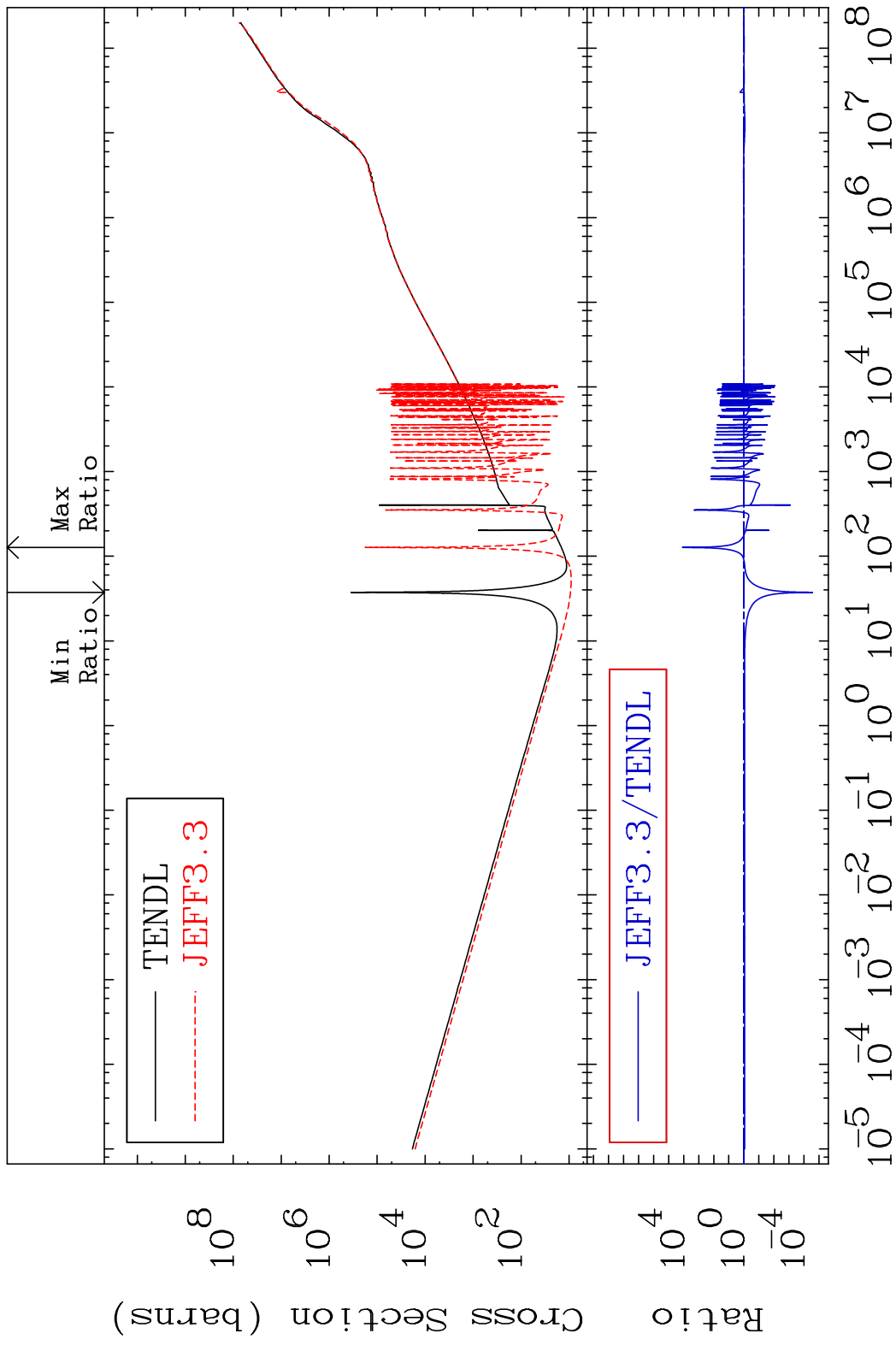
44-Ru-98



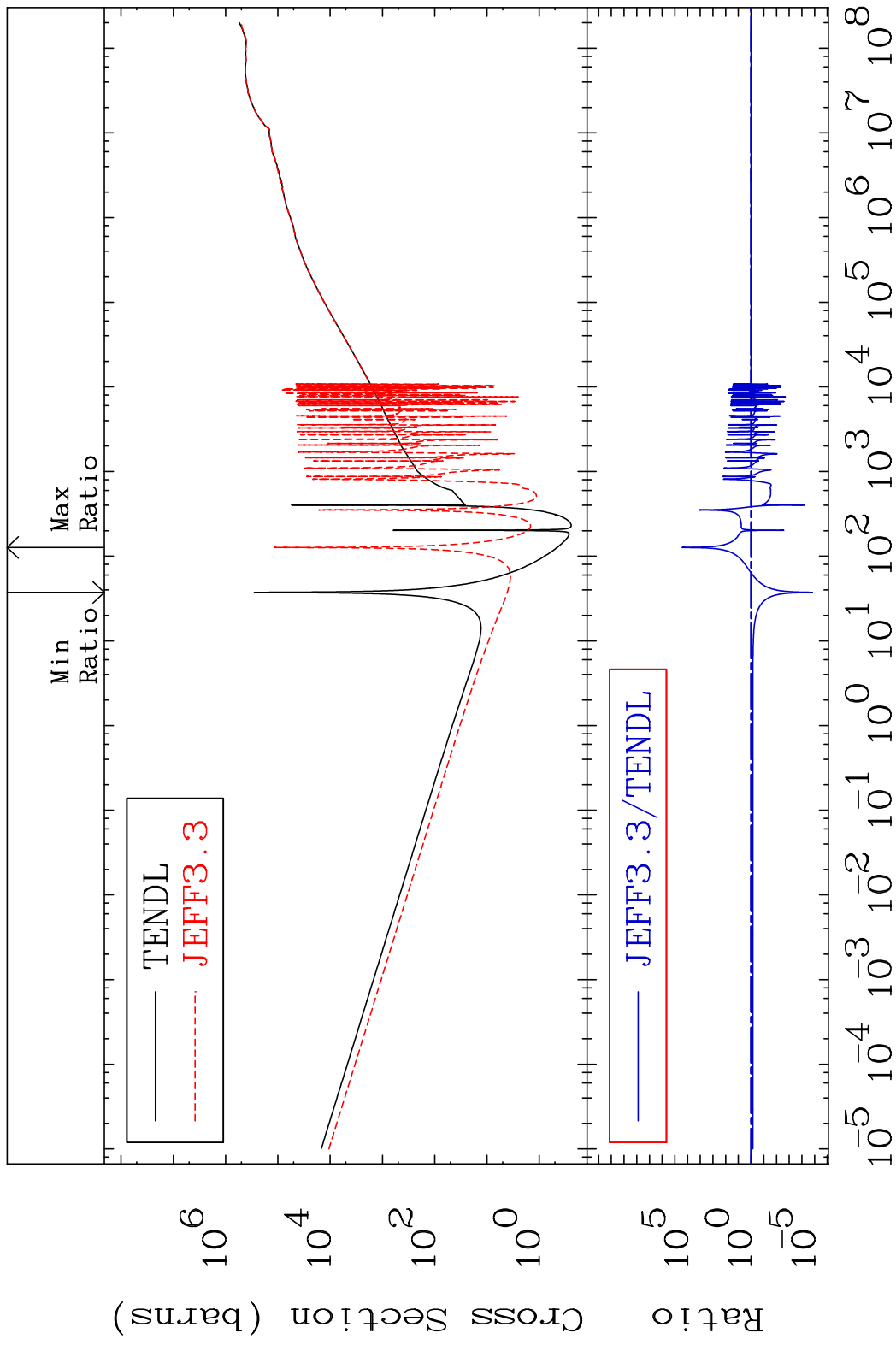
MAT 4431 Total photon (eV-barns) 44-Ru-98  
 Cross Section -100.0 To 9999. %



MAT 4431 Total kinematic kerma (high limit) 44-Ru-98  
 Cross Section -100.0 To 9999. %



MAT 4431      Dpa total (eV-barns)      44-Ru-98  
 Cross Section      -100.0 To 9999.      %

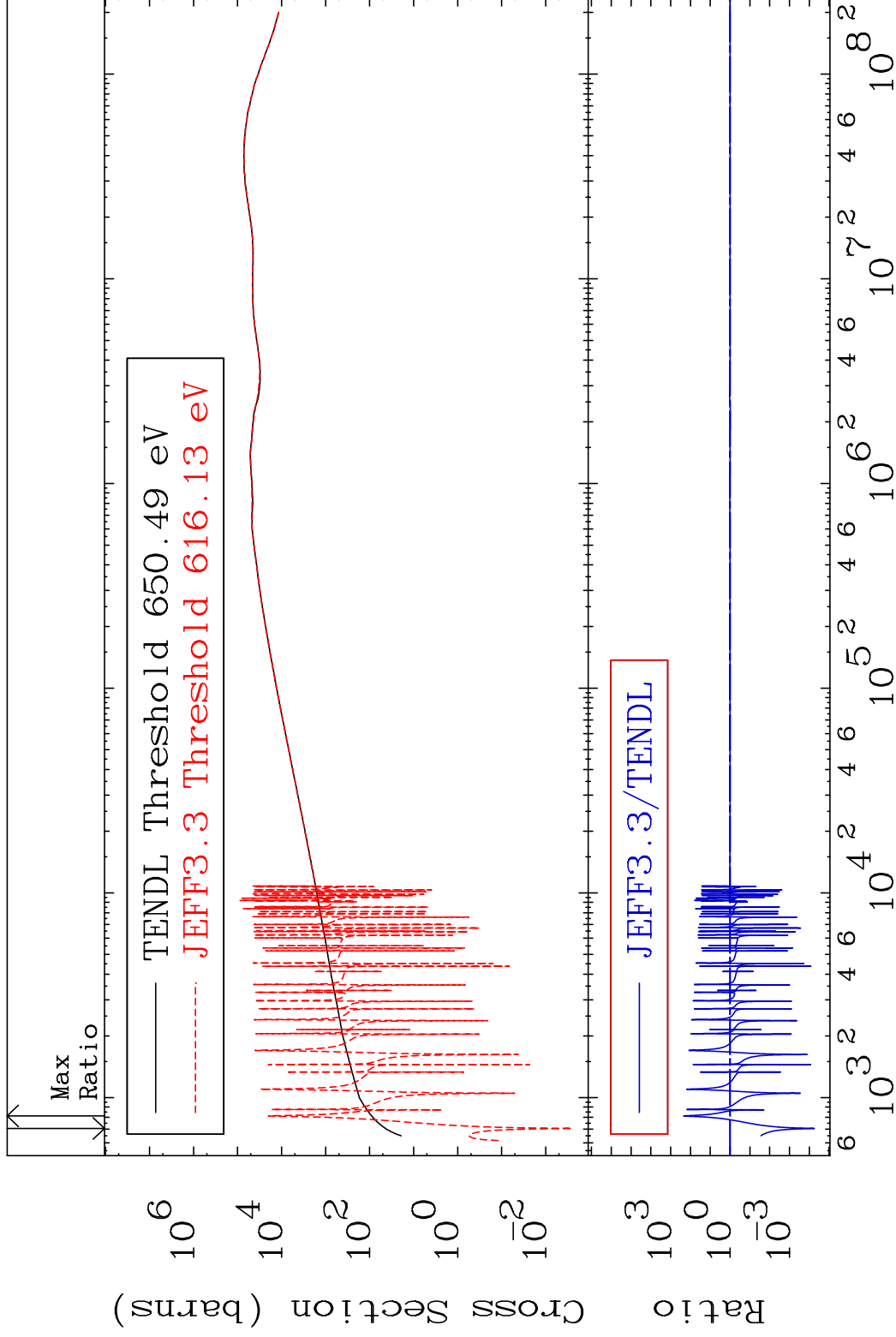


MAT 4431

Dpa elastic (mt2)

44-Ru-98

Cross Section -99.99 To 9999. %



75

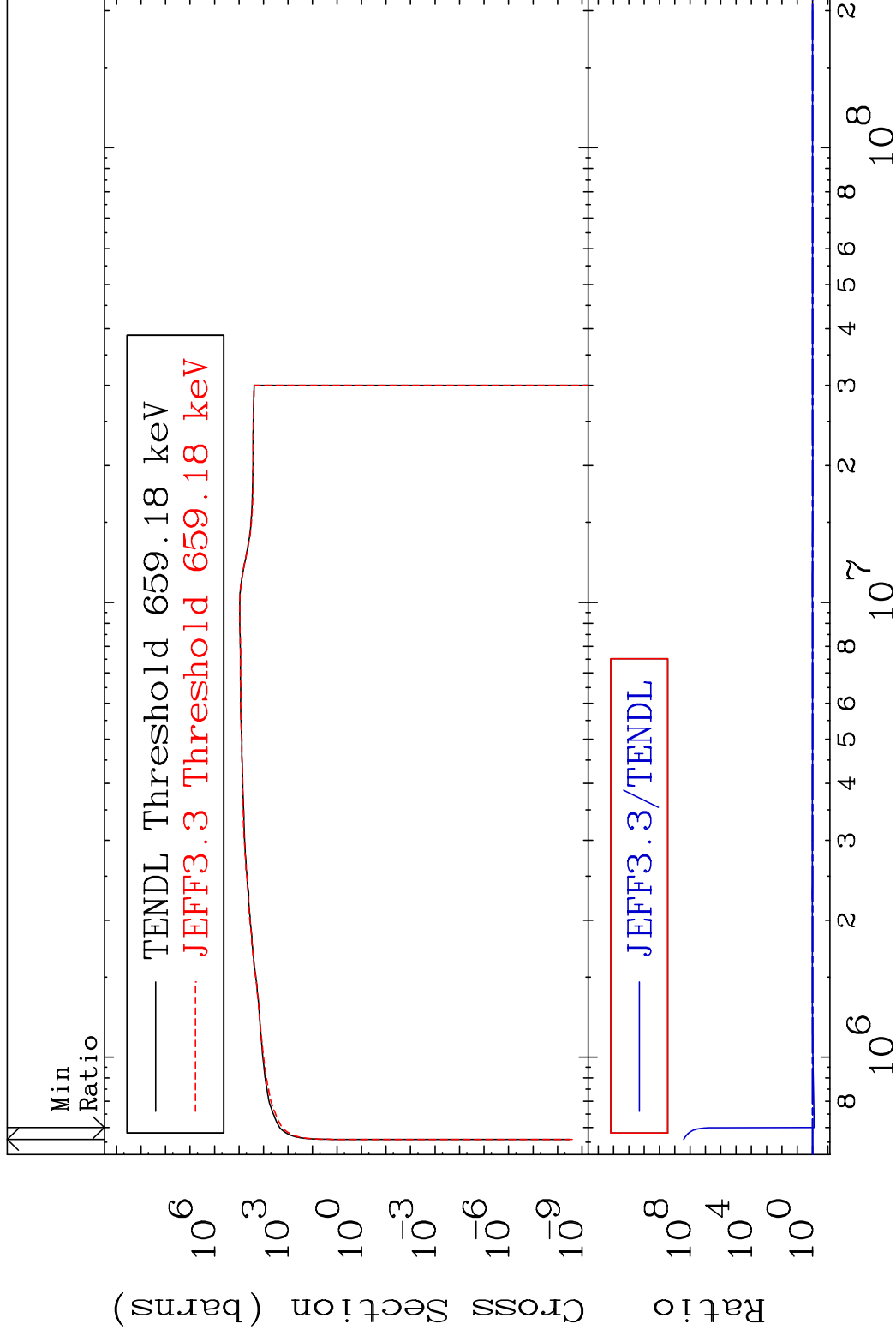
Incident Energy (eV)

44-Ru-98

MAT 4431

Dpa inelastic (mt51-91) 44-Ru-98

Cross Section -21.72 To 9999. %

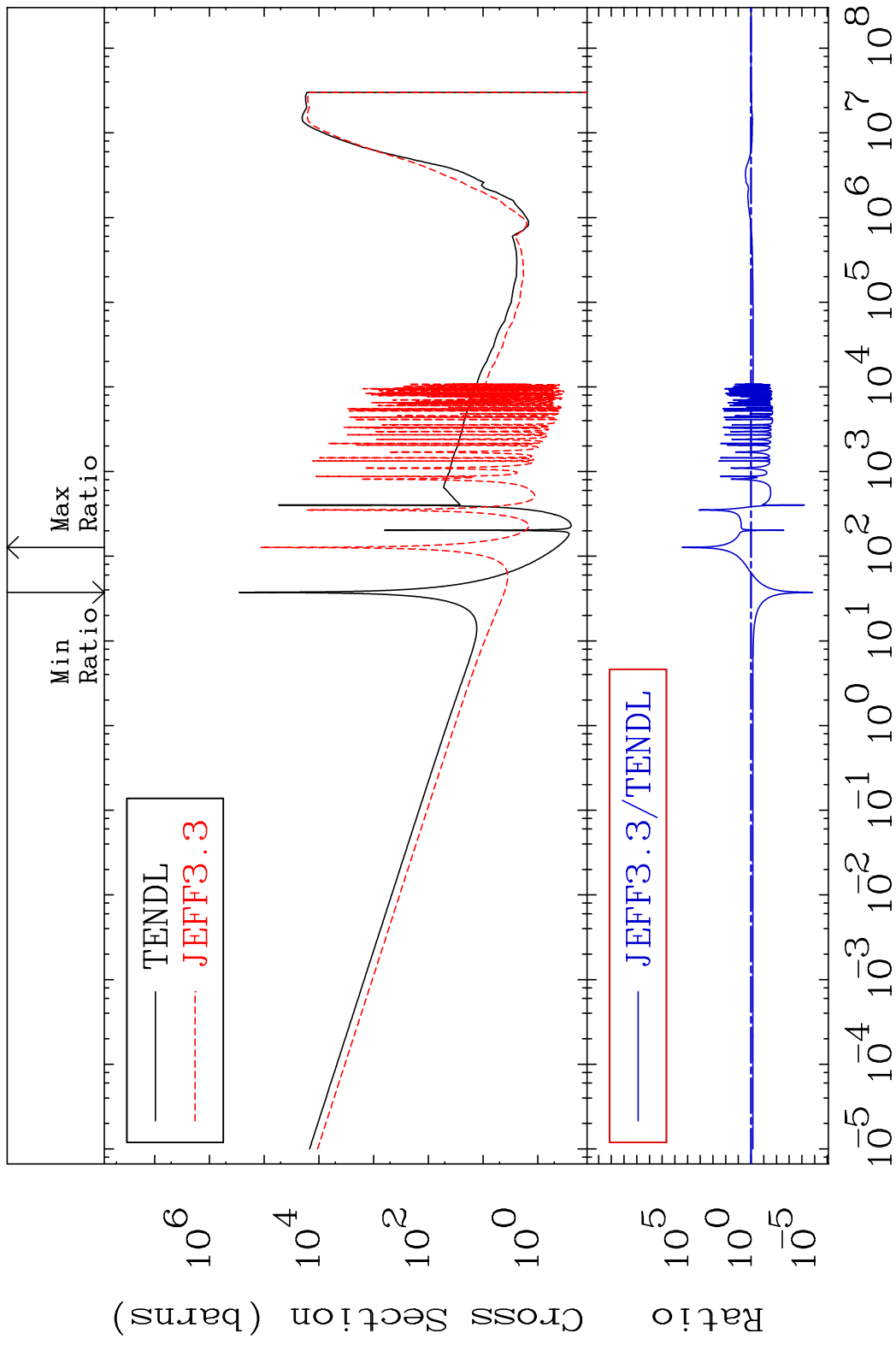


76

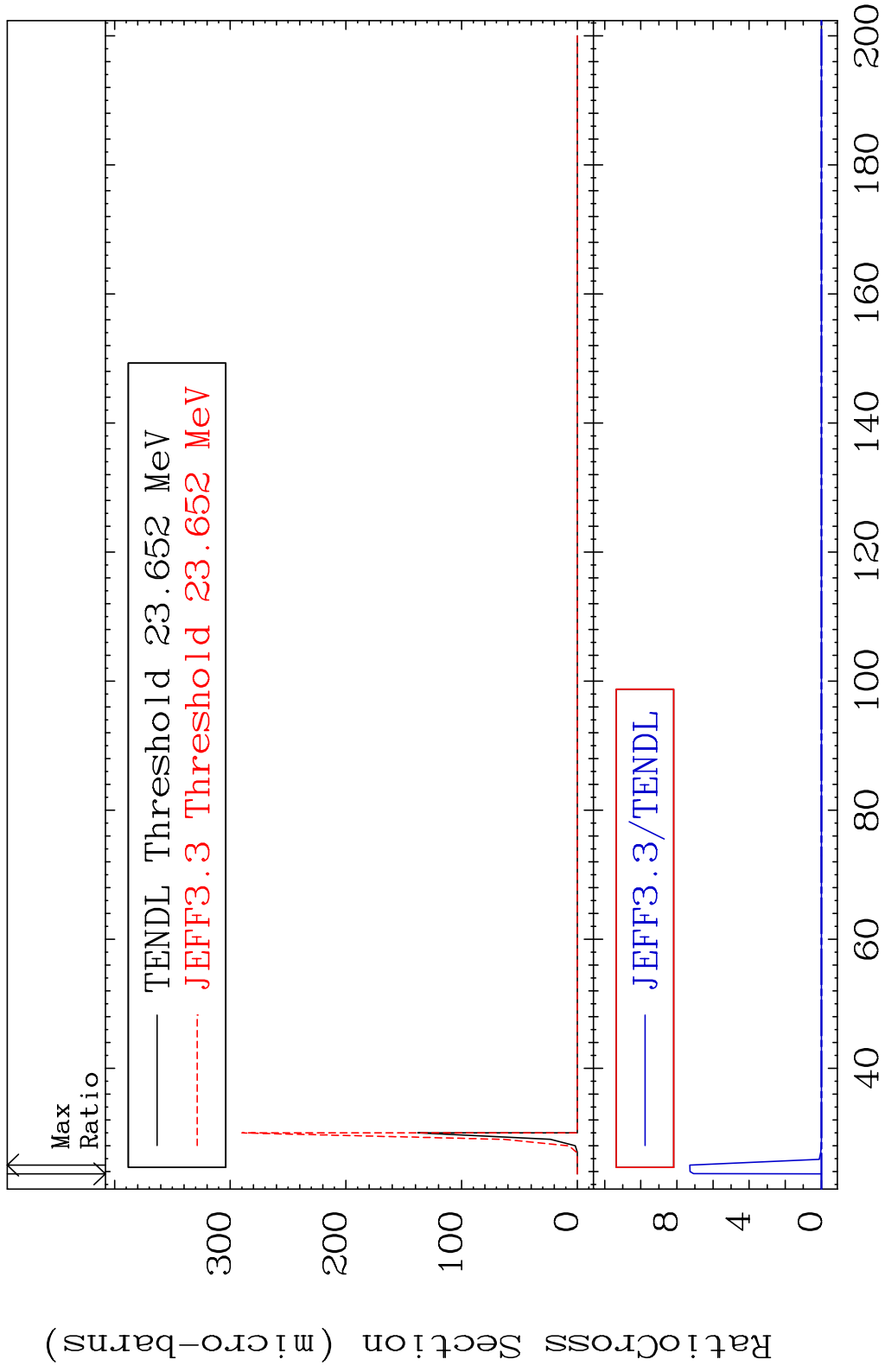
Incident Energy (eV)

44-Ru-98

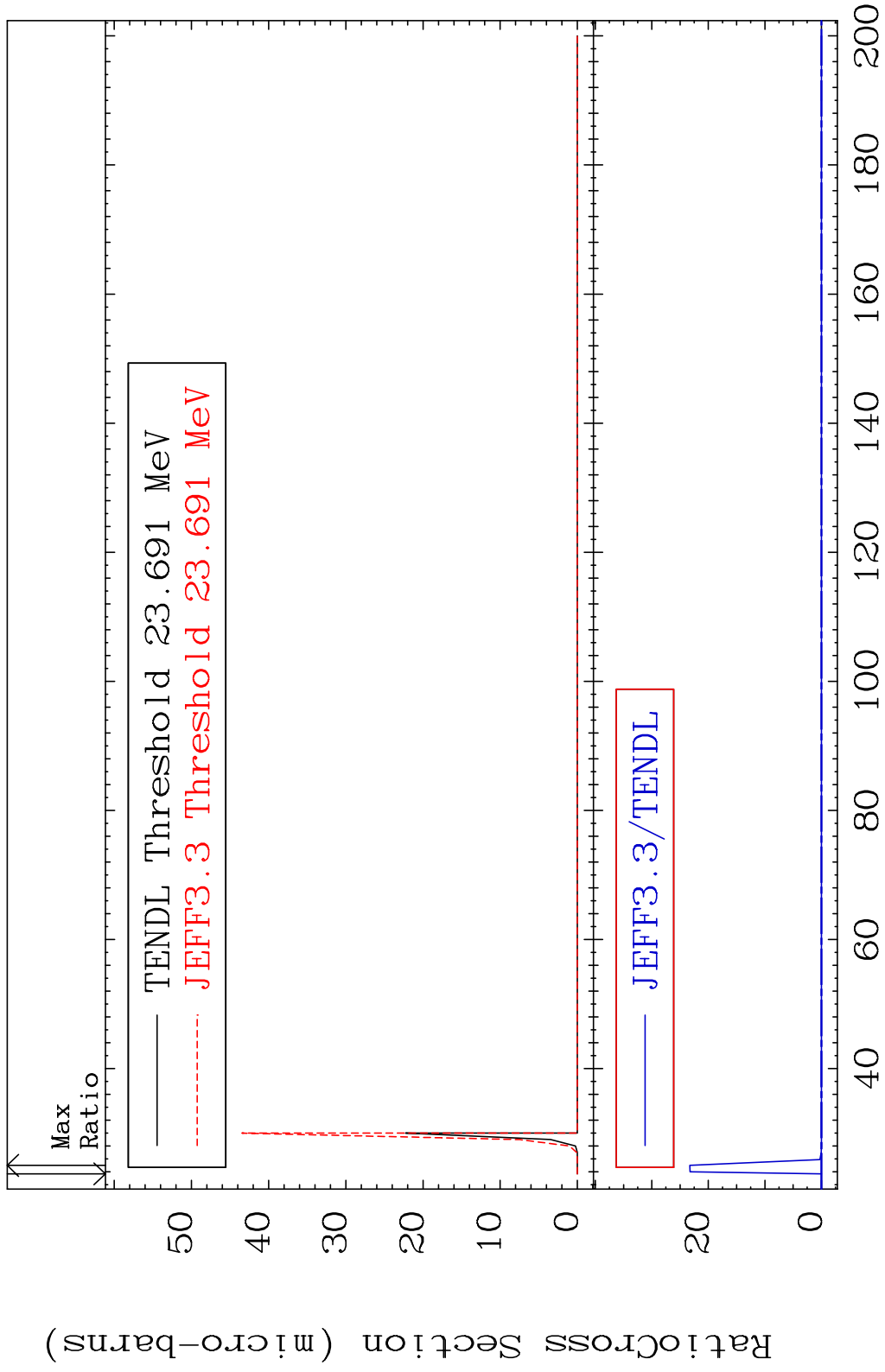
MAT 4431 Dpa disappearance (mt102 -120) 44-Ru-98  
 Cross Section -100.0 To 9999. %



MAT 4431 (n,2n) d:43-Tc-95g 44-Ru-98  
 Radionuclide Production Cross Section Ratio 9999. %

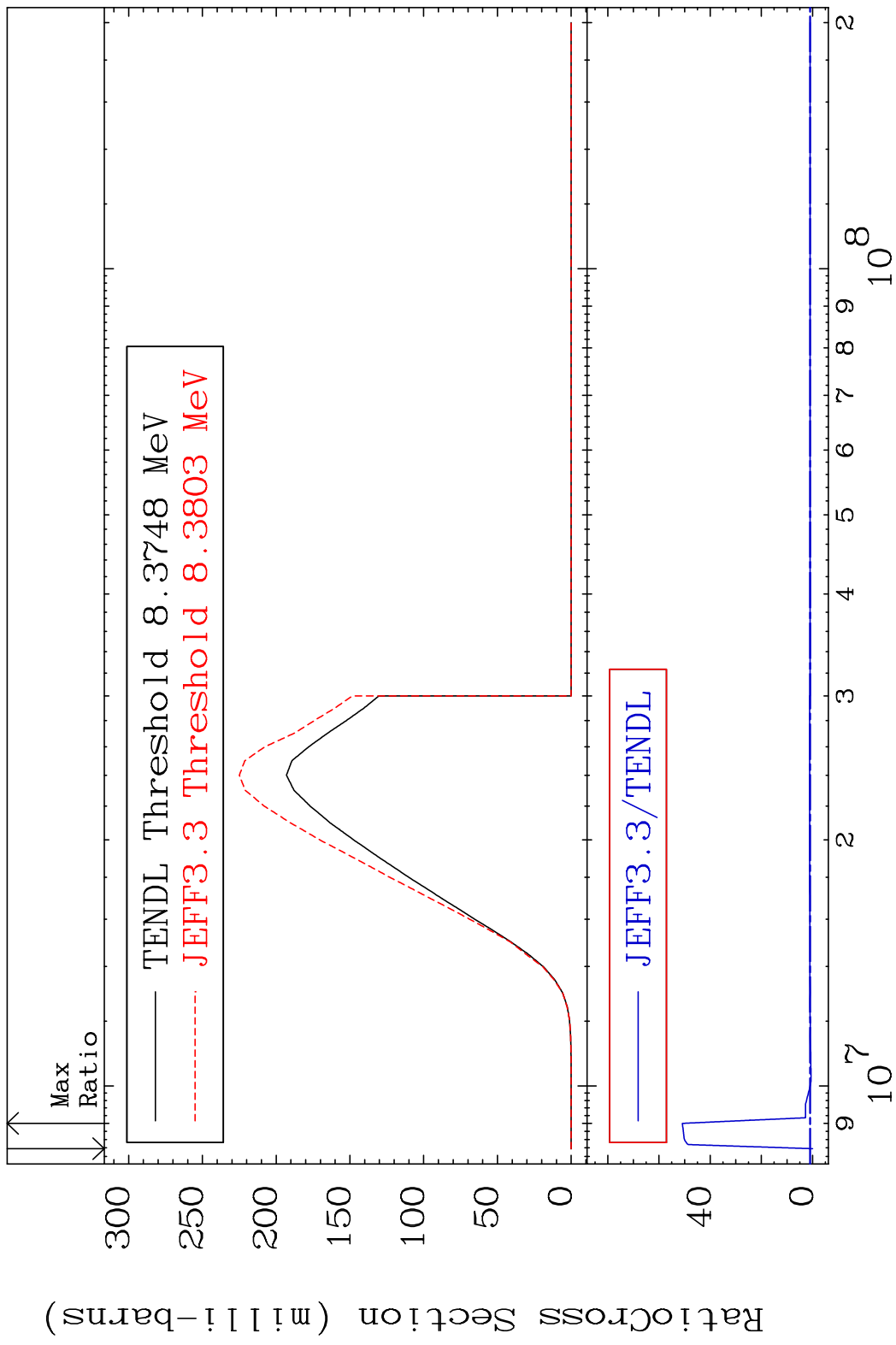


MAT 4431 (n,2n) d:43-Tc-95m1 44-Ru-98  
 Radionuclide Production Cross Section Ratio 9999. %

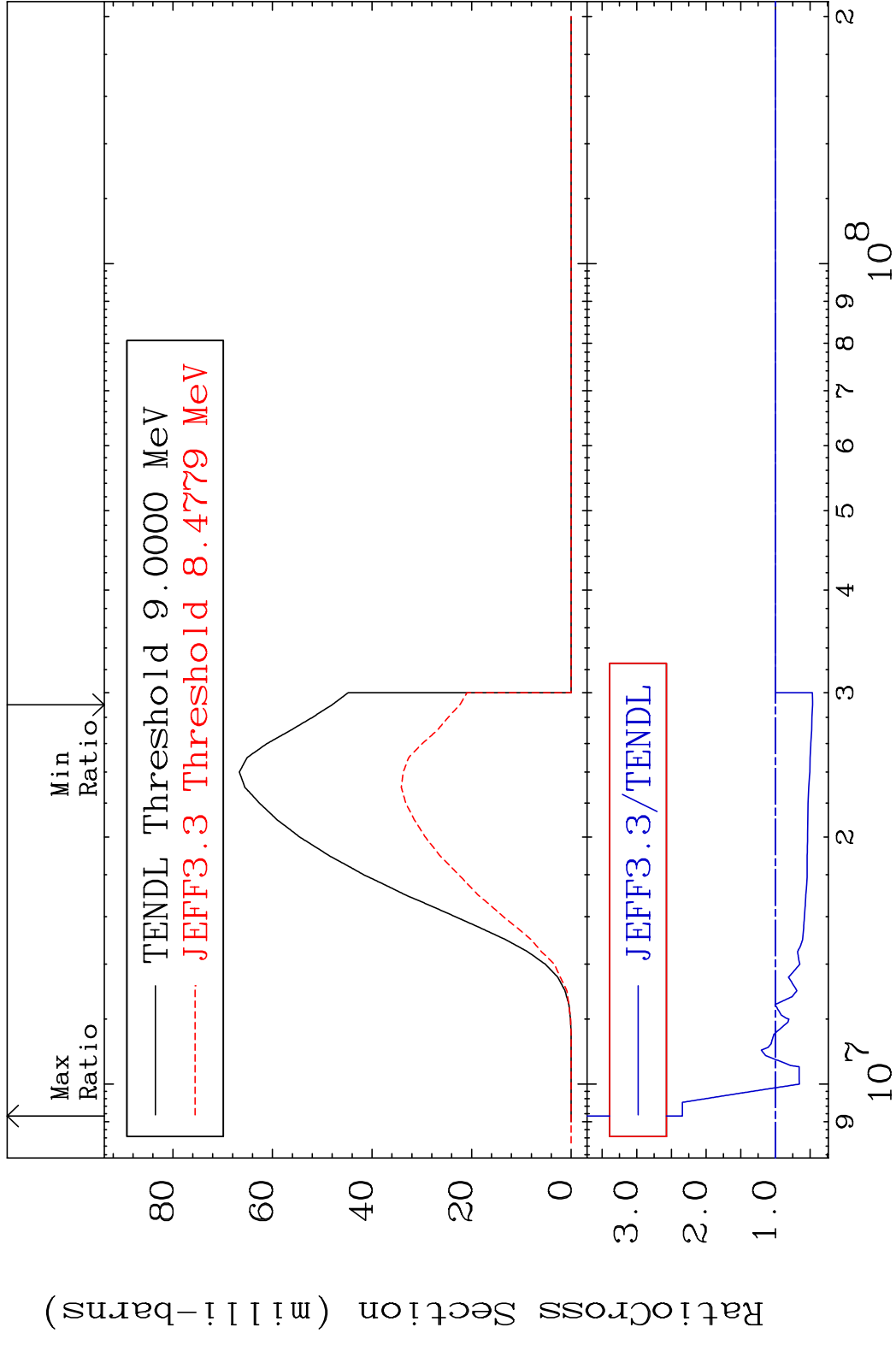


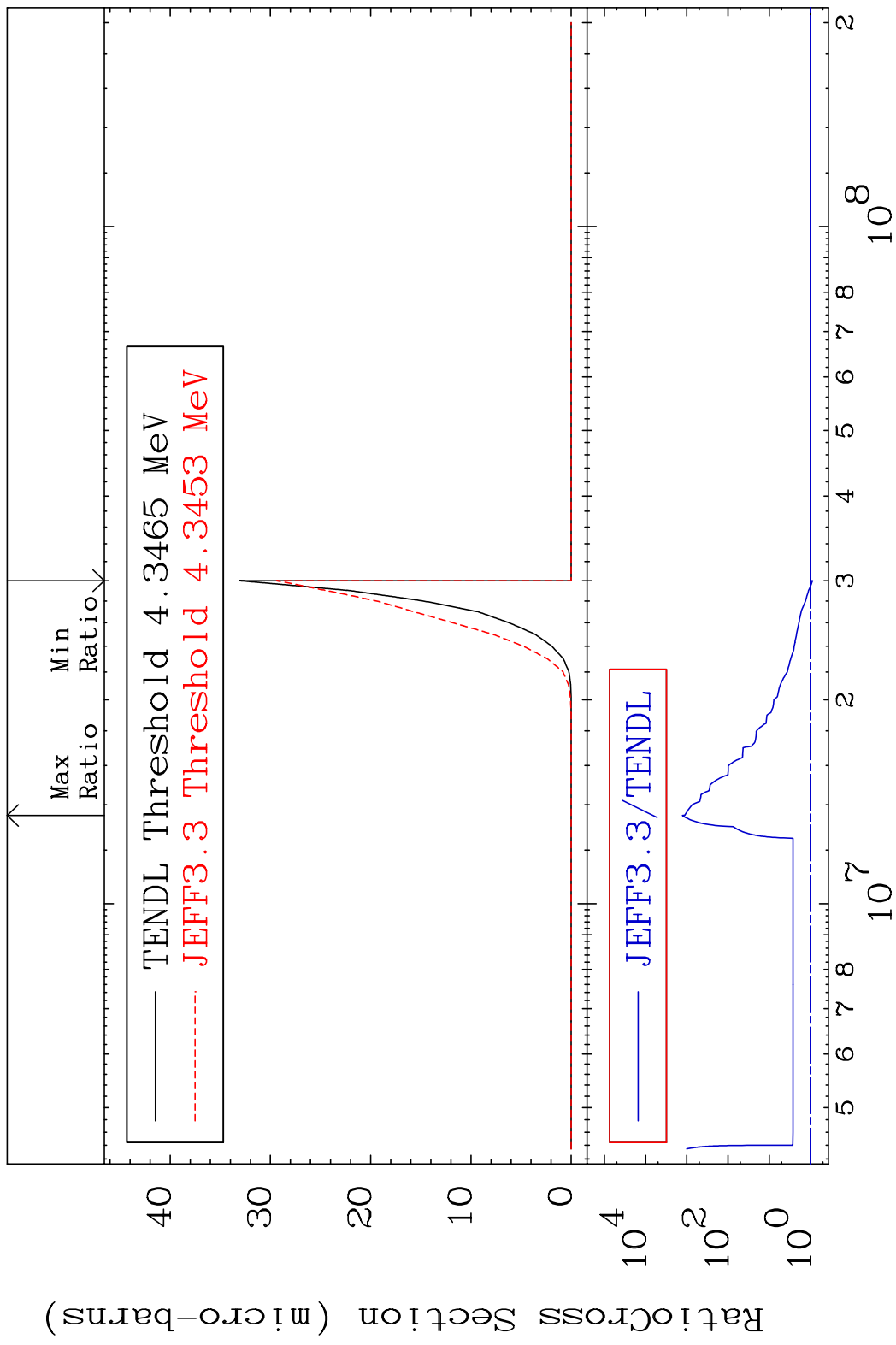


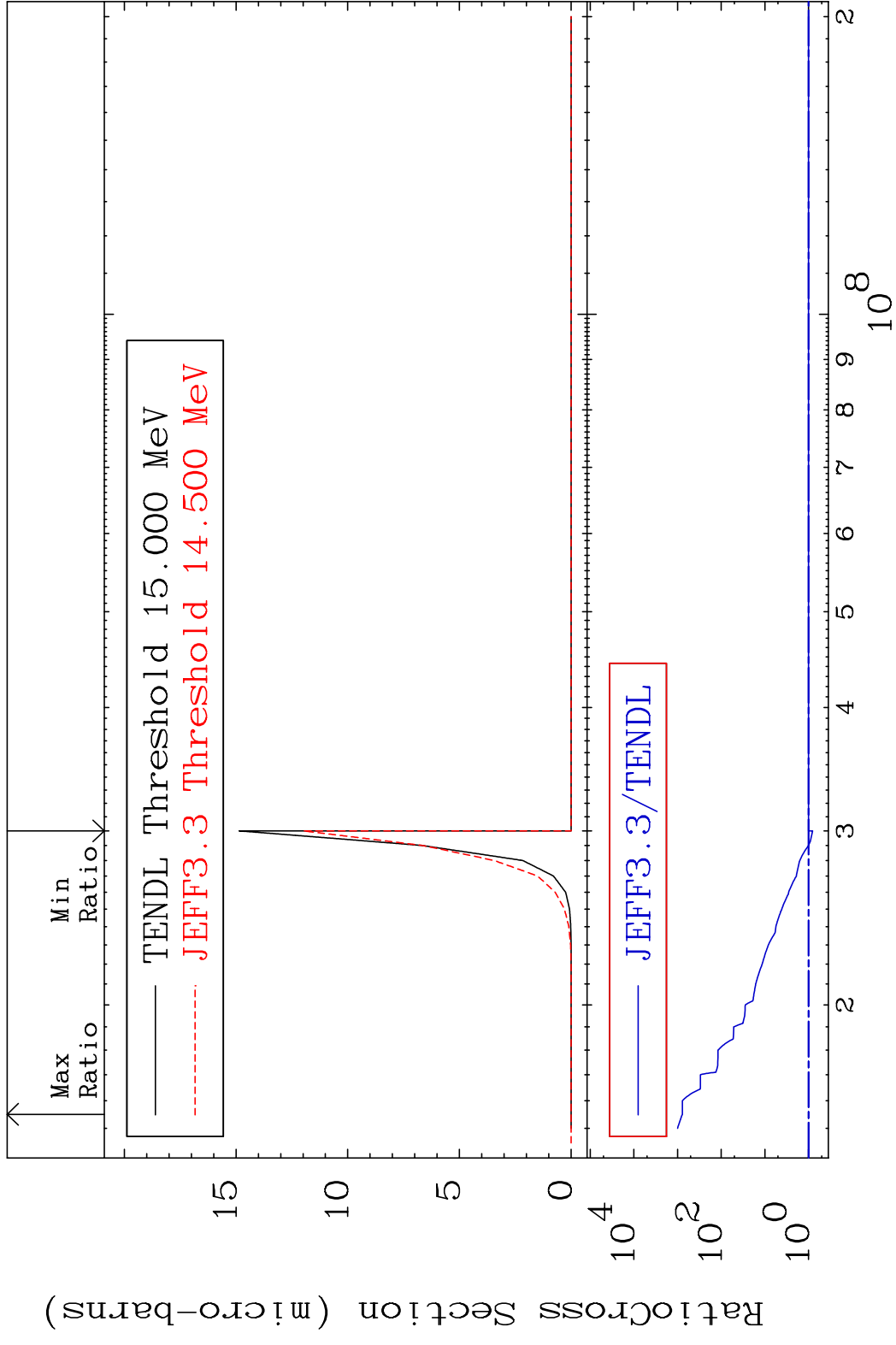
MAT 4431 (n, n') p:43-Tc-97g 44-Ru-98  
 Radionuclide Production Cross Section 1800.0 dno 4986. %



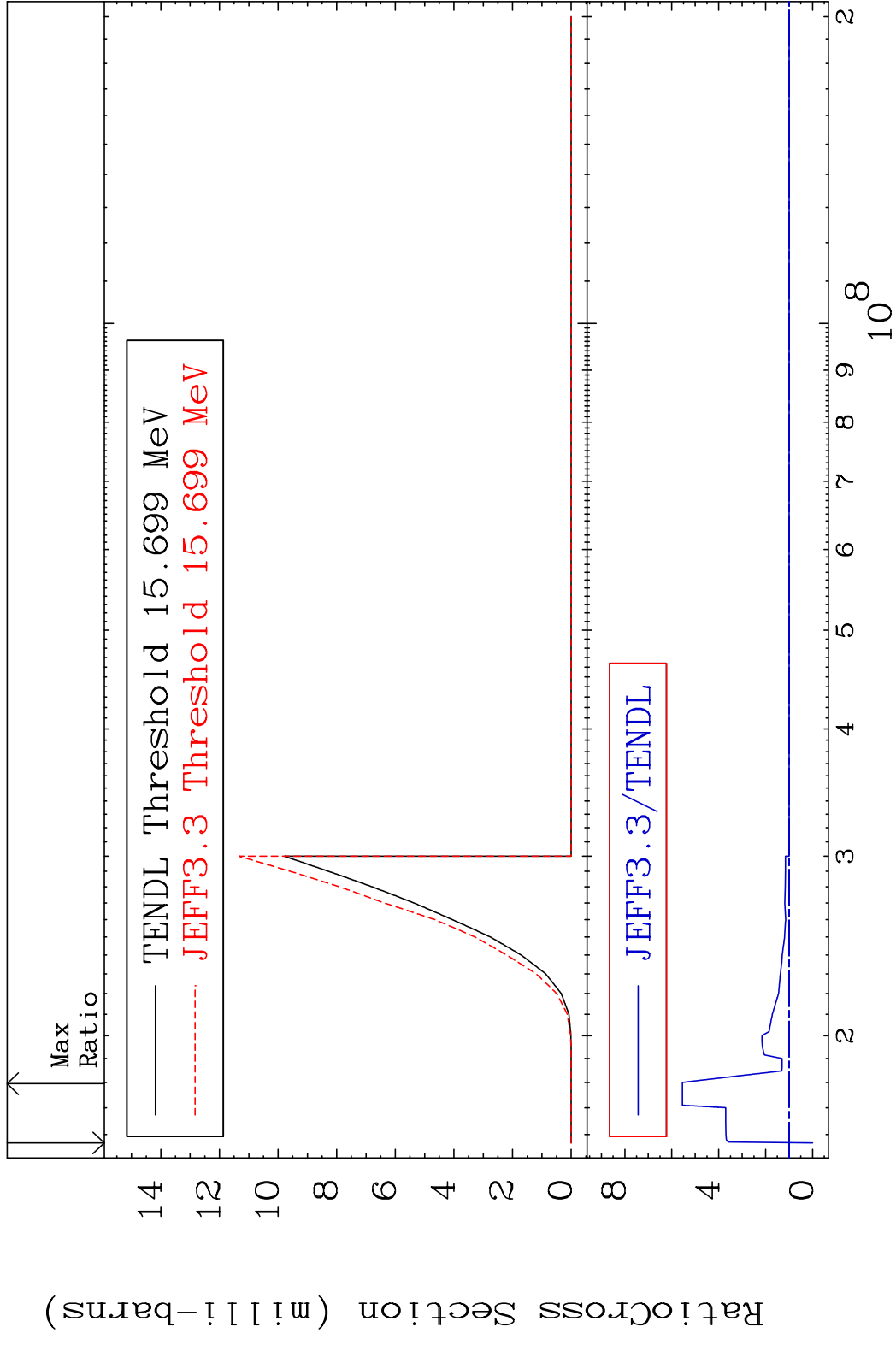
80 Incident Energy (eV) 44-Ru-98



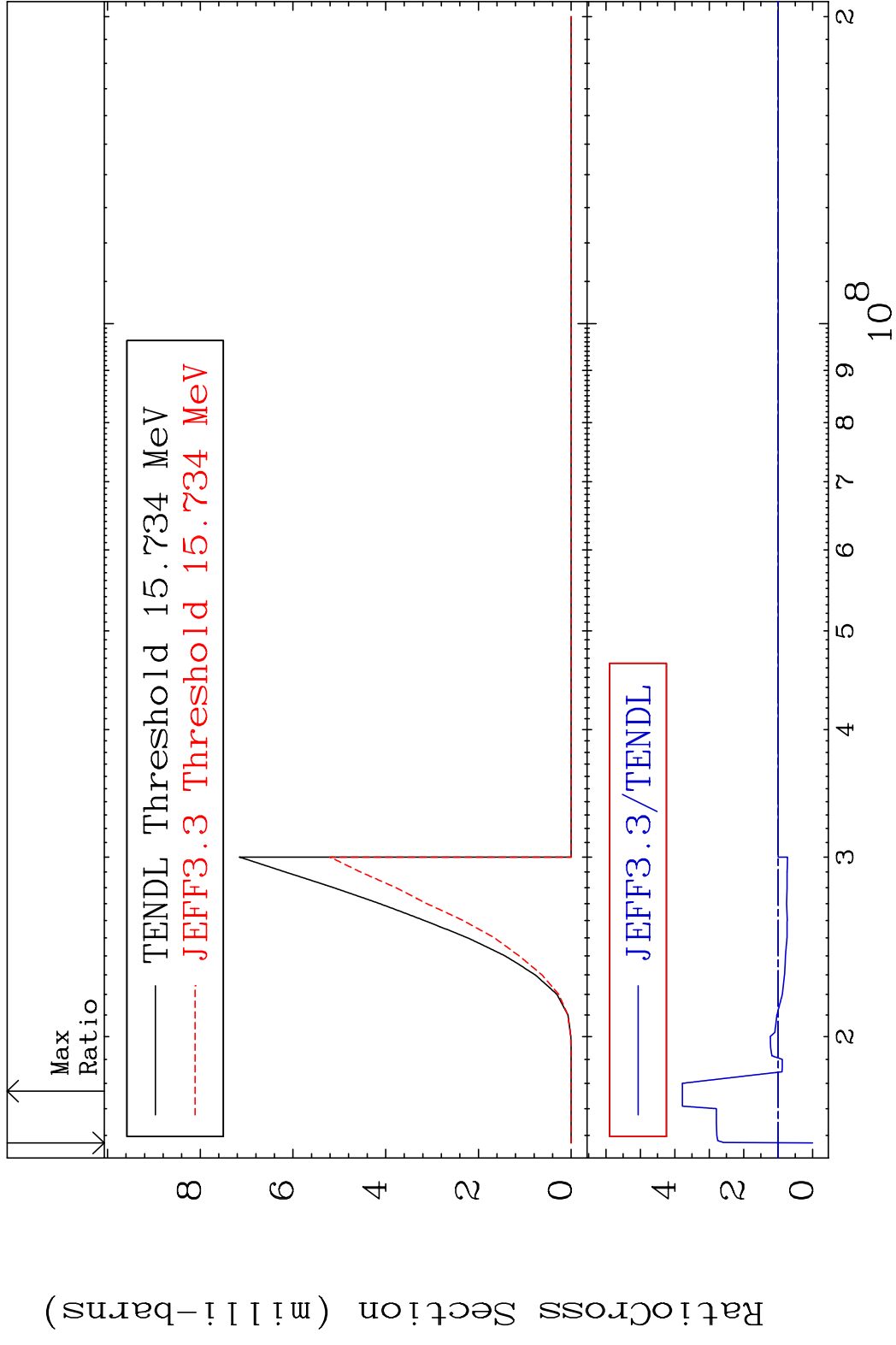




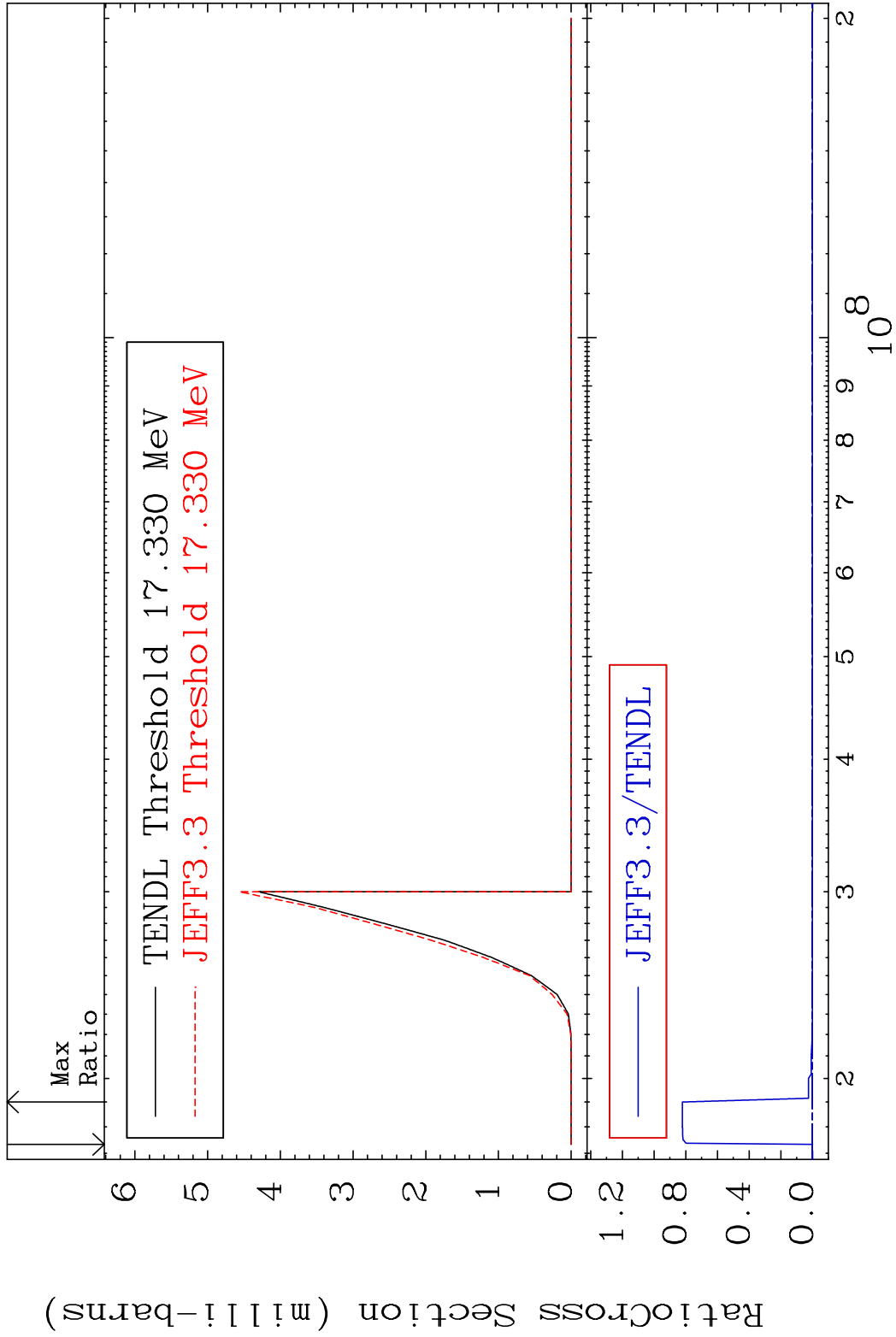
MAT 4431 (n, n') d:43-Tc-96g 44-Ru-98  
 Radionuclide Production Cross Section Ratio 454.8 %



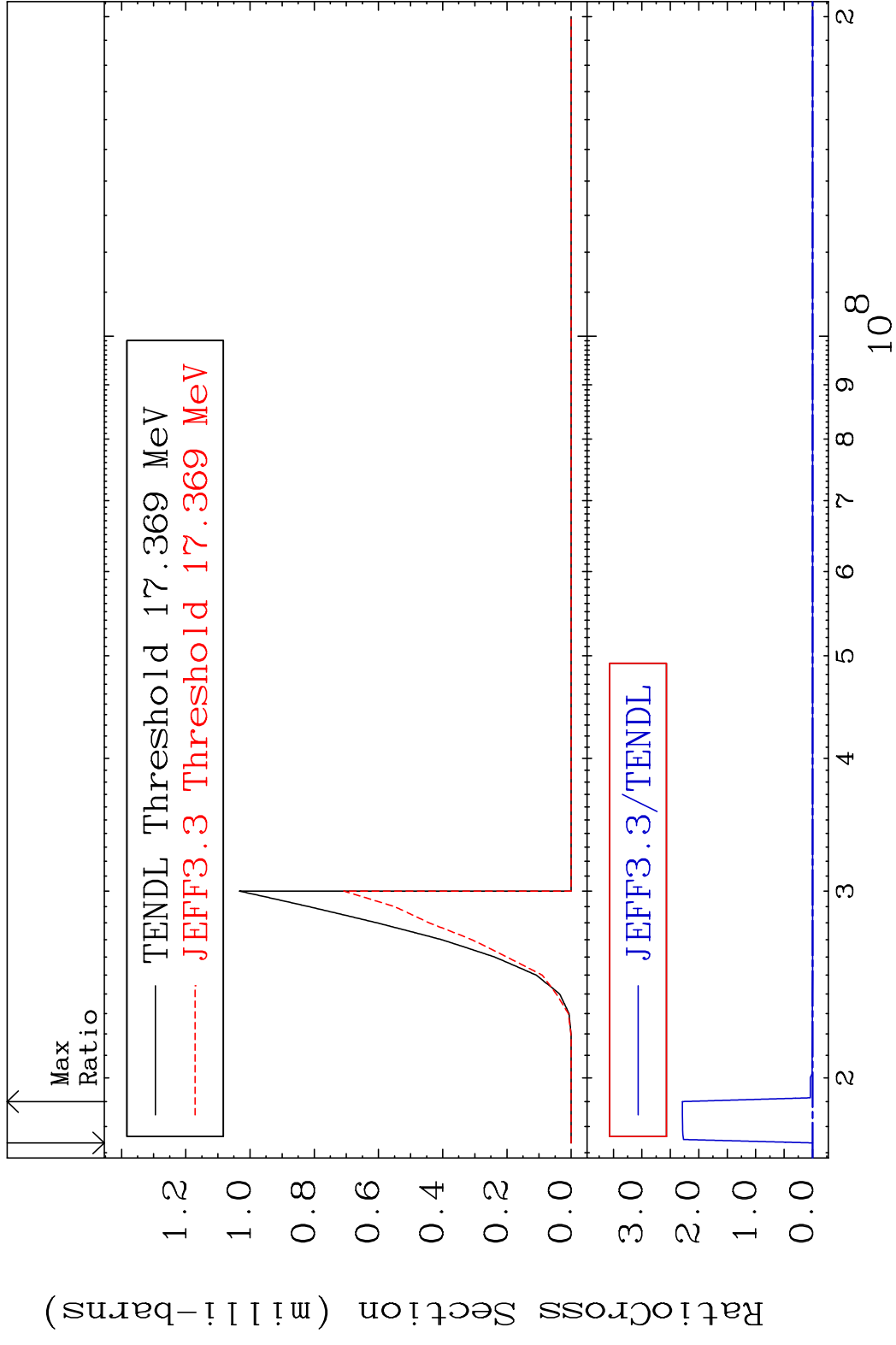
MAT 4431 (n, n') d:43-Tc-96m1 44-Ru-98  
 Radionuclide Production Cross Section 180.0 dth 278.1 %



MAT 4431 (n, n') t:43-Tc-95g 44-Ru-98  
 Radionuclide Production Cross Section Ratio

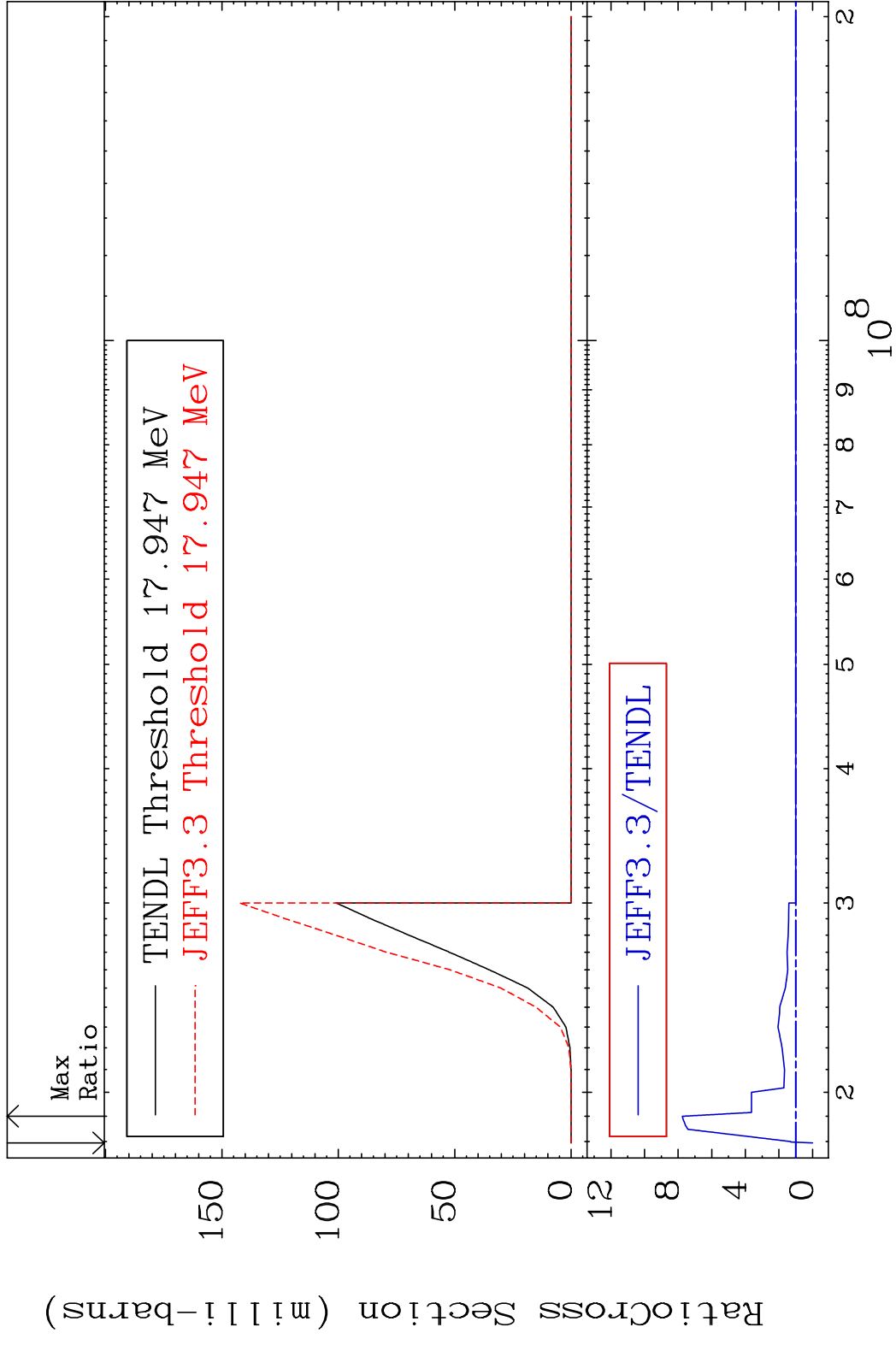


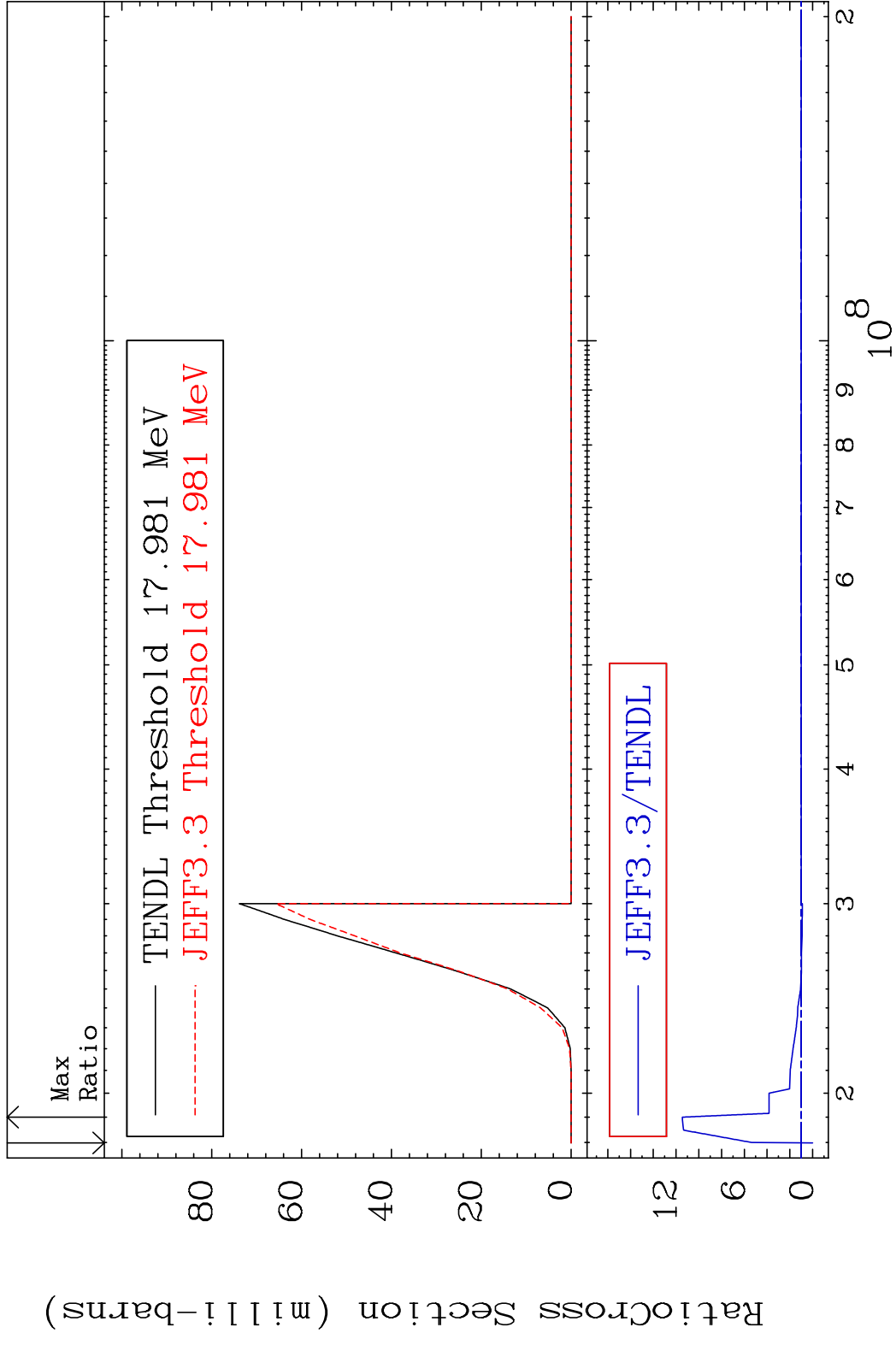
MAT 4431 (n, n') t:43-Tc-95m1 44-Ru-98  
 Radionuclide Production Cross Section Ratio 9999. %



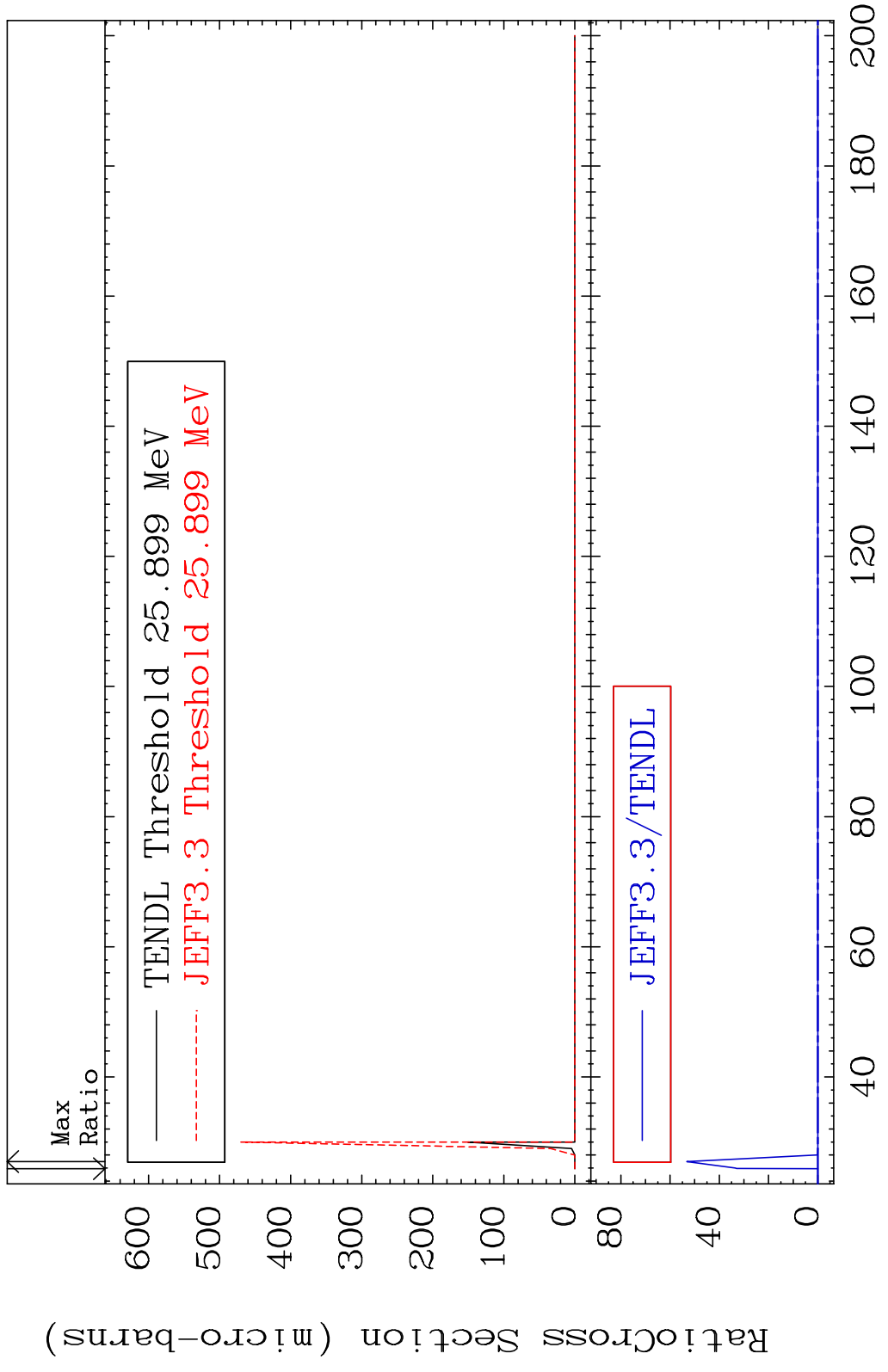


MAT 4431 (n,2n) p:43-Tc-96g 44-Ru-98  
 Radionuclide Production Cross Section Ratio



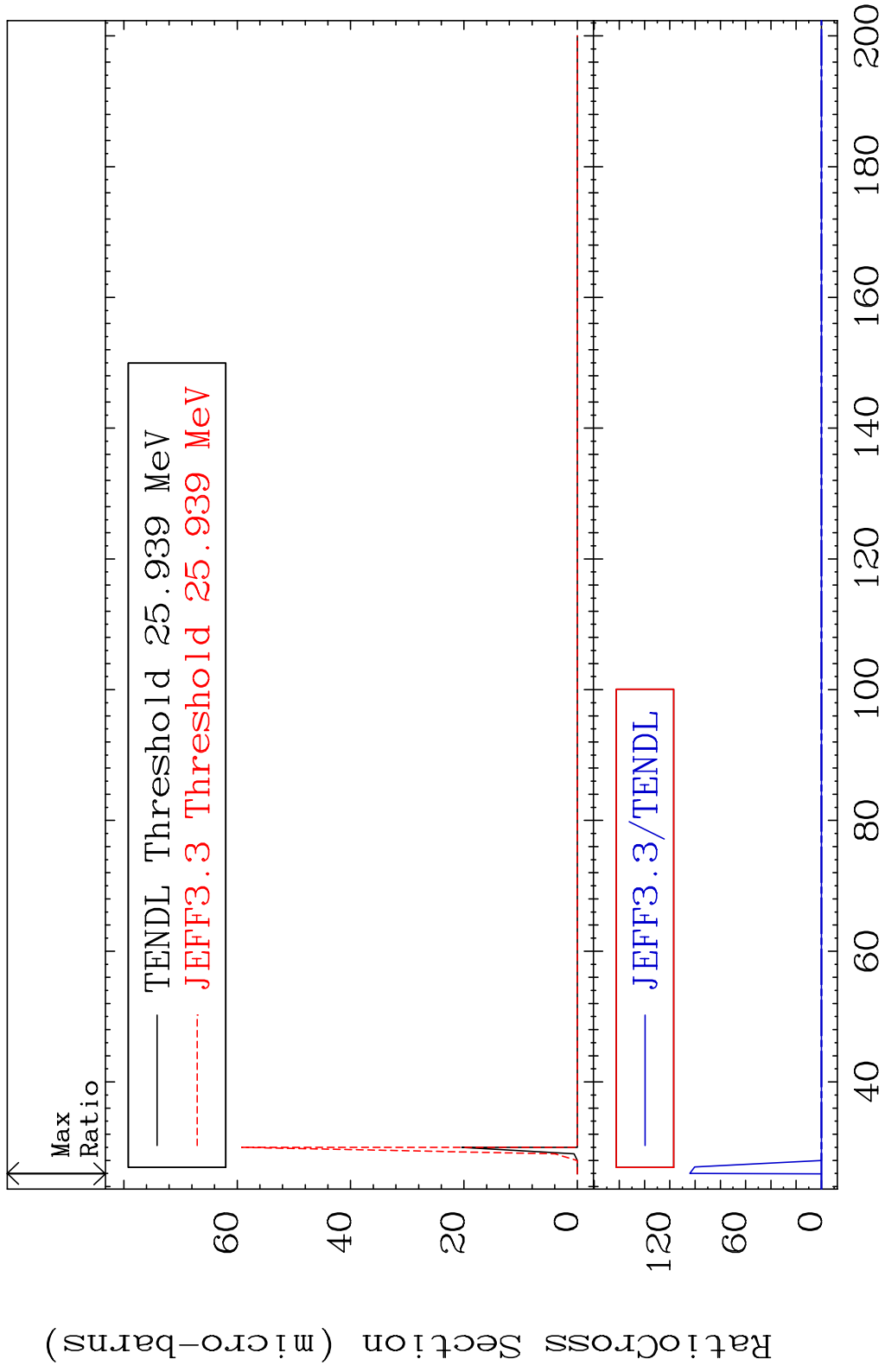


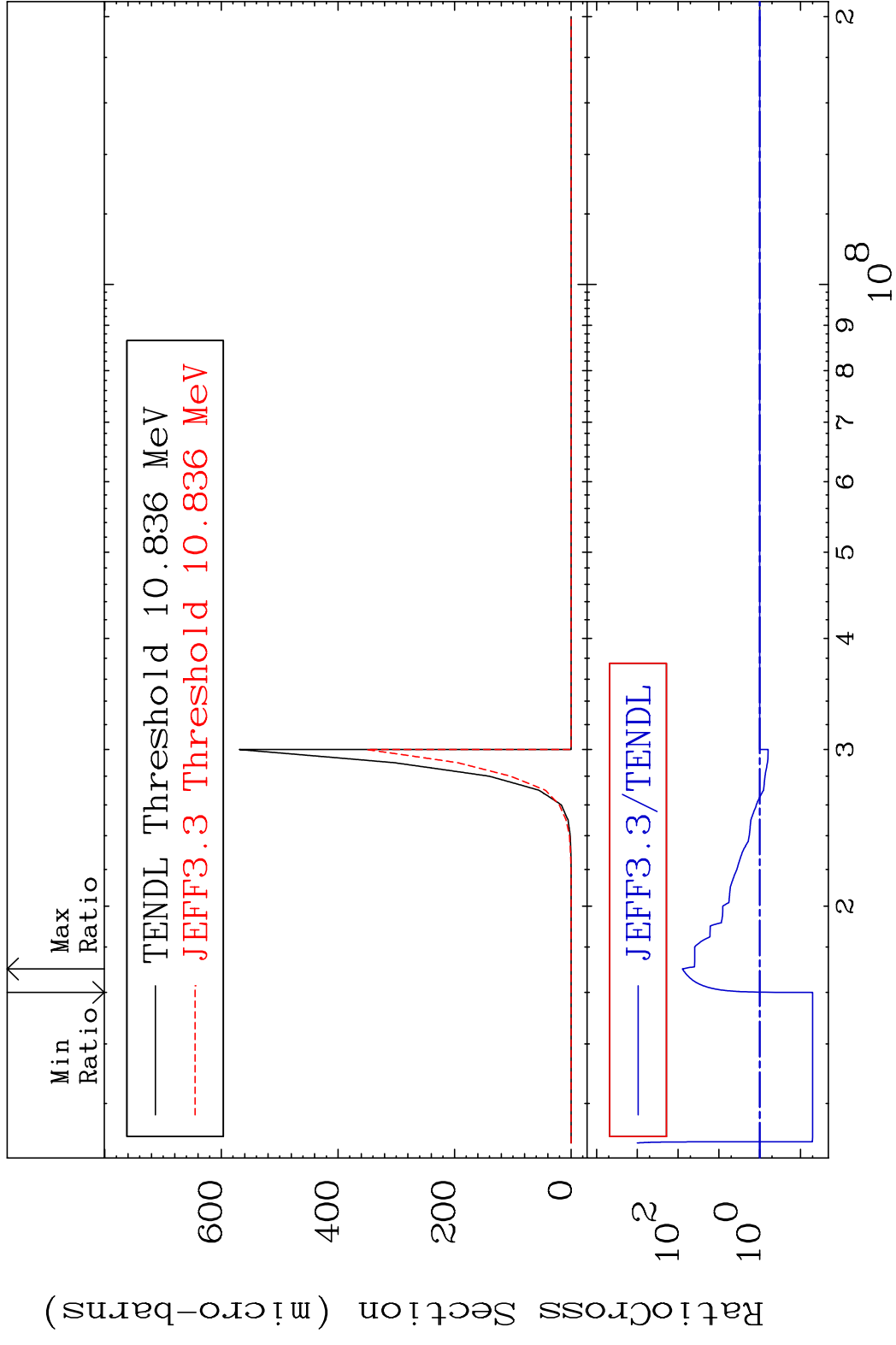
MAT 4431 (n, 3n) p:43-Tc-95g 44-Ru-98  
 Radionuclide Production Cross Section 100.00 % 9999. %



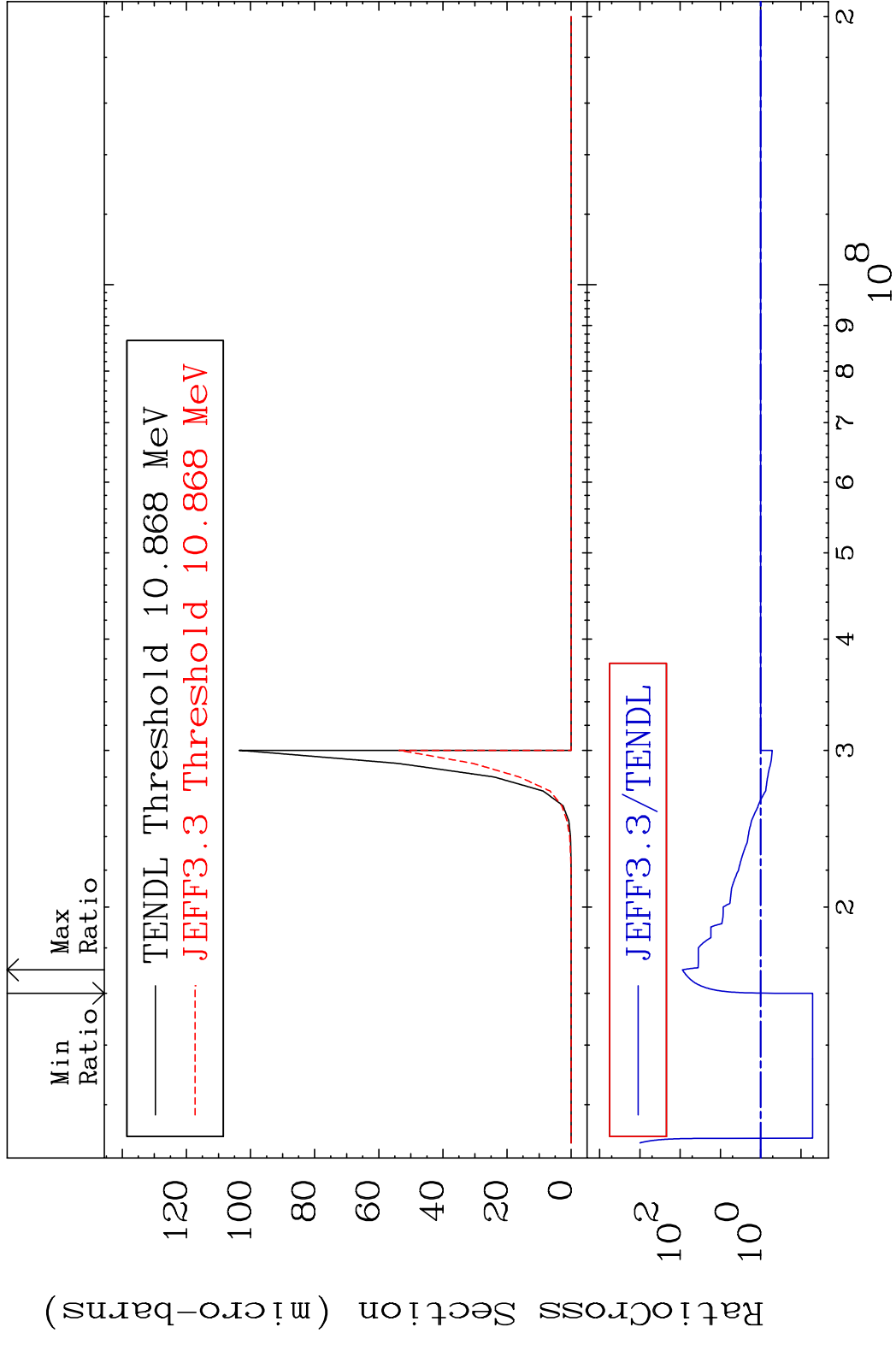
90 Incident Energy (MeV) 44-Ru-98

MAT 4431 (n,3n) p:43-Tc-95m1 44-Ru-98  
 Radionuclide Production Cross Section Ratio 9999. %

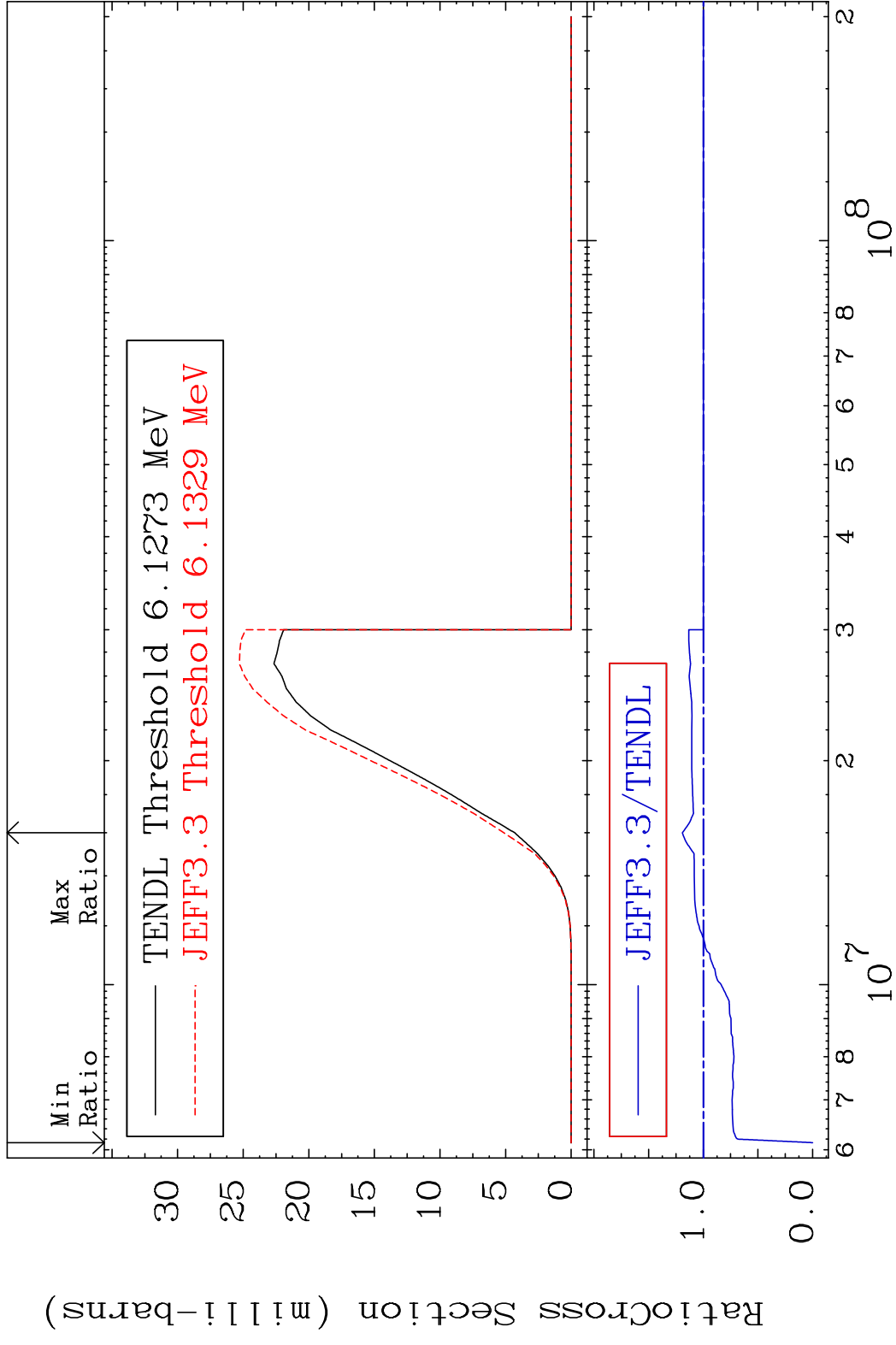




MAT 4431 (n, n') p  $\alpha$ : 41-Nb-93m1 44-Ru-98  
 Radionuclide Production Cross Section 8710. %

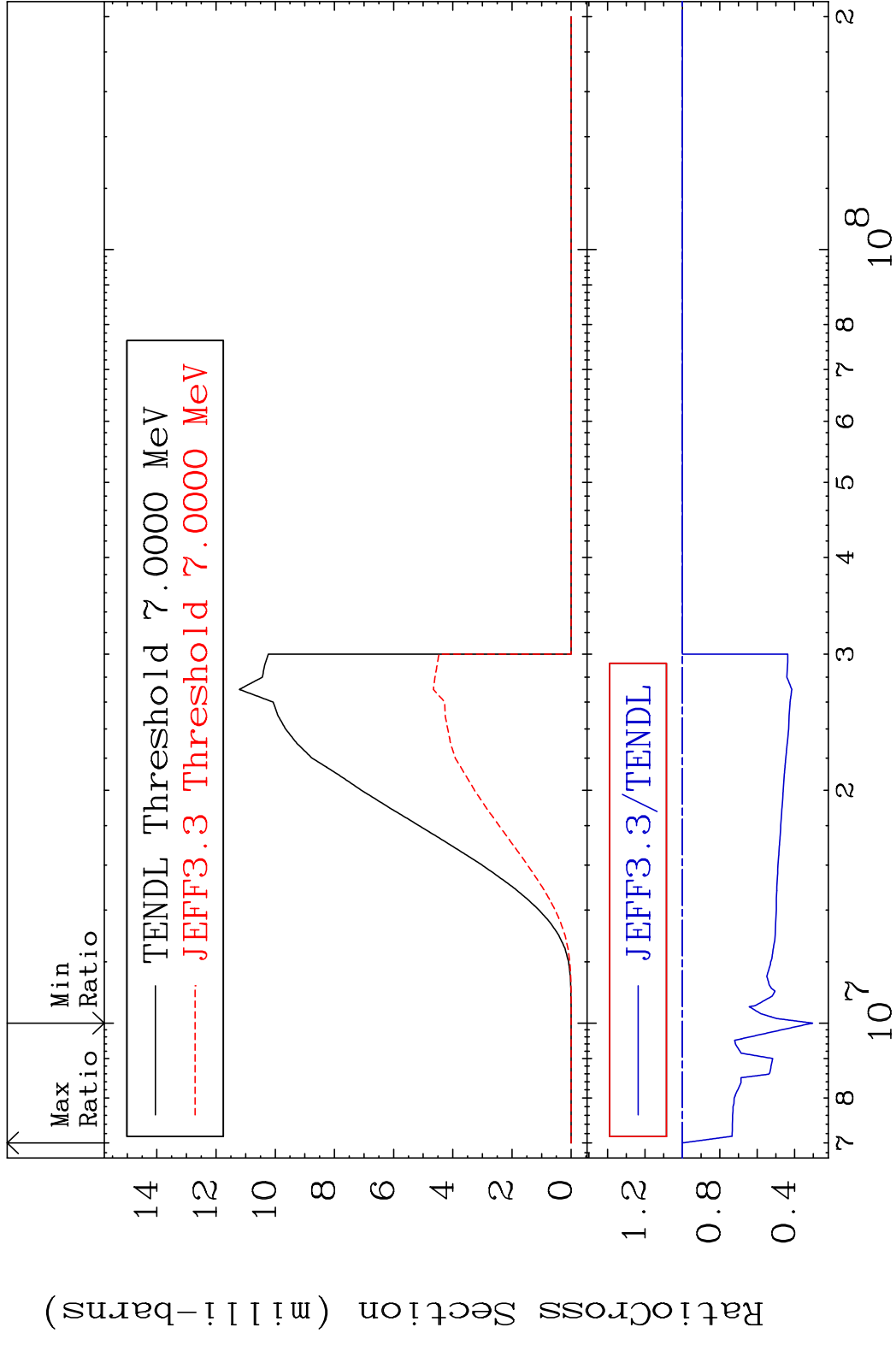


MAT 4431 (n, d) : 43-Tc-97g 44-Ru-98  
 Radionuclide Production Cross Section Ratio 19.15 %



94 44-Ru-98

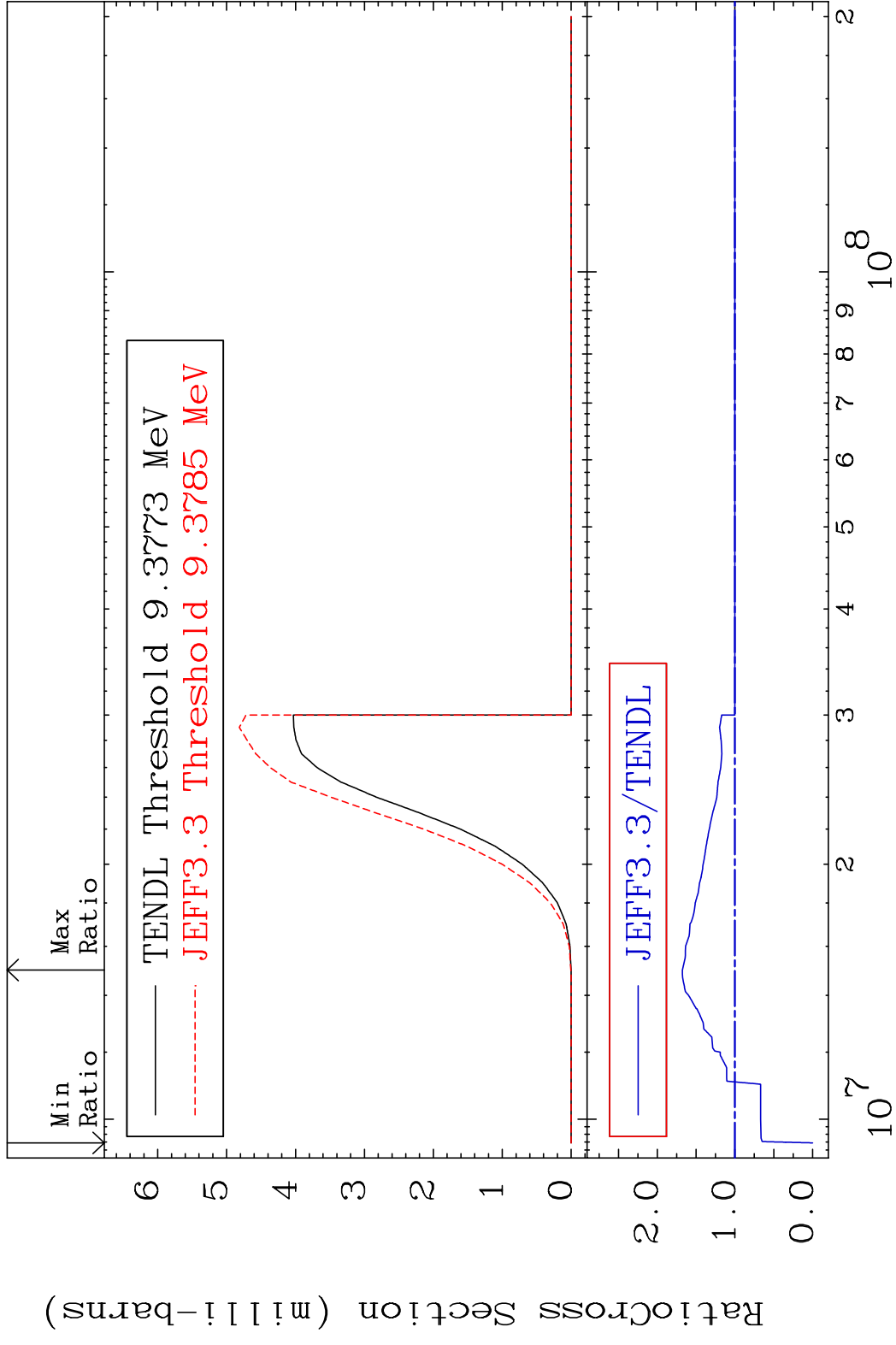
MAT 4431 (n,d):43-Tc-97m1 44-Ru-98  
 Radionuclide Production Cross Section 0.000 %



95 44-Ru-98

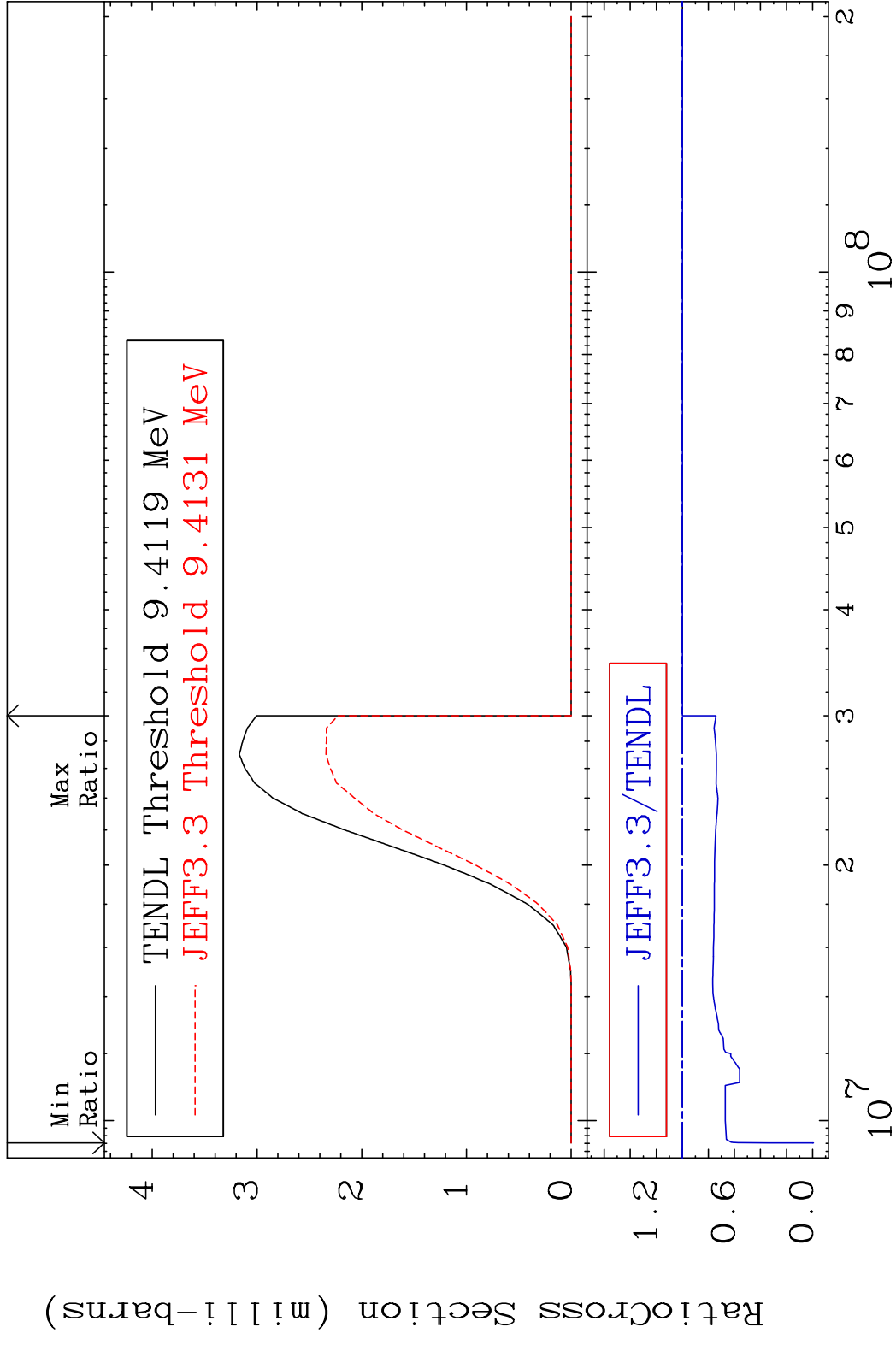


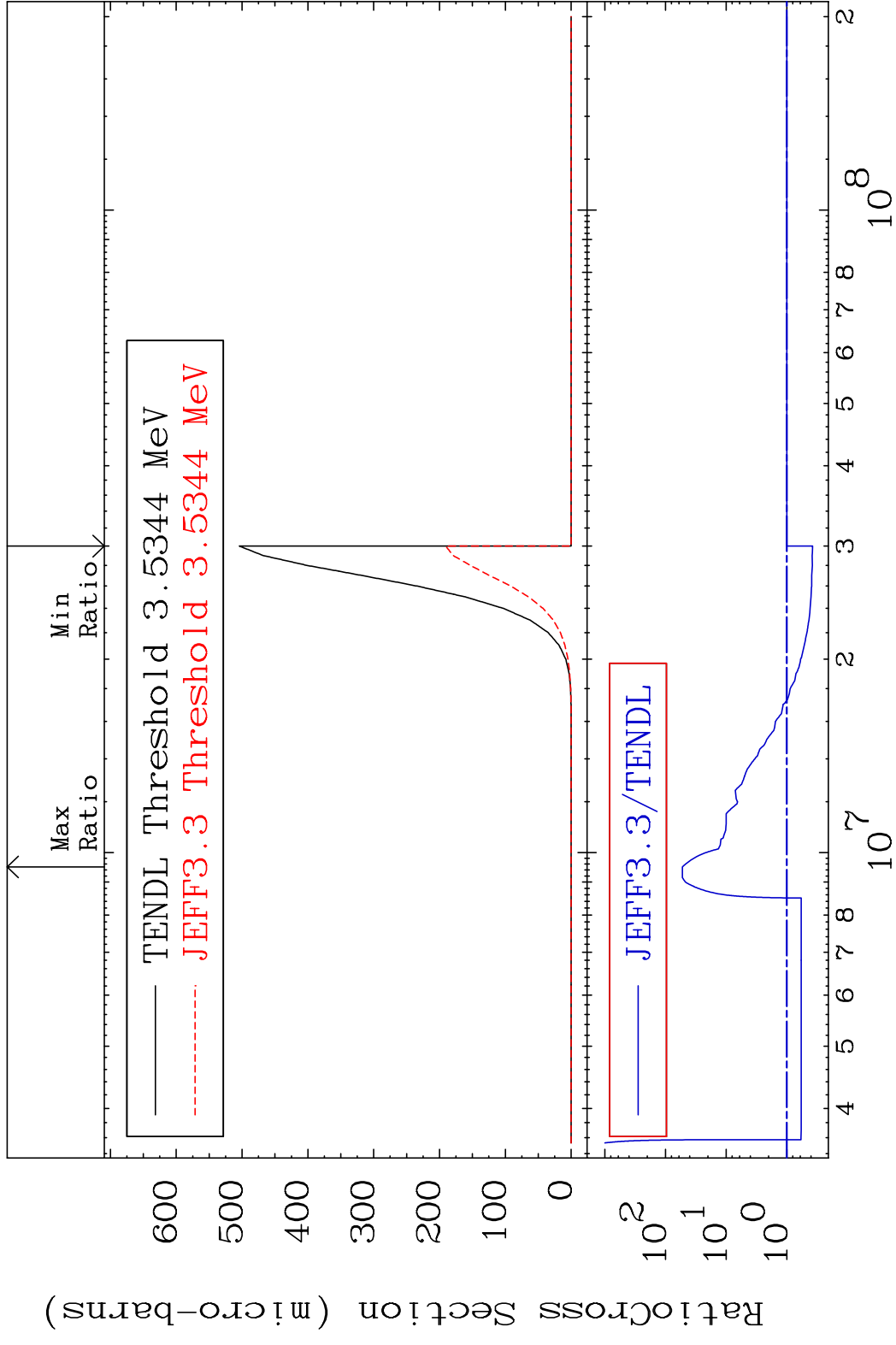
MAT 4431 (n, t): 43-Tc-96g 44-Ru-98  
 Radionuclide Production Cross Section 180.01 dth 67.70 %



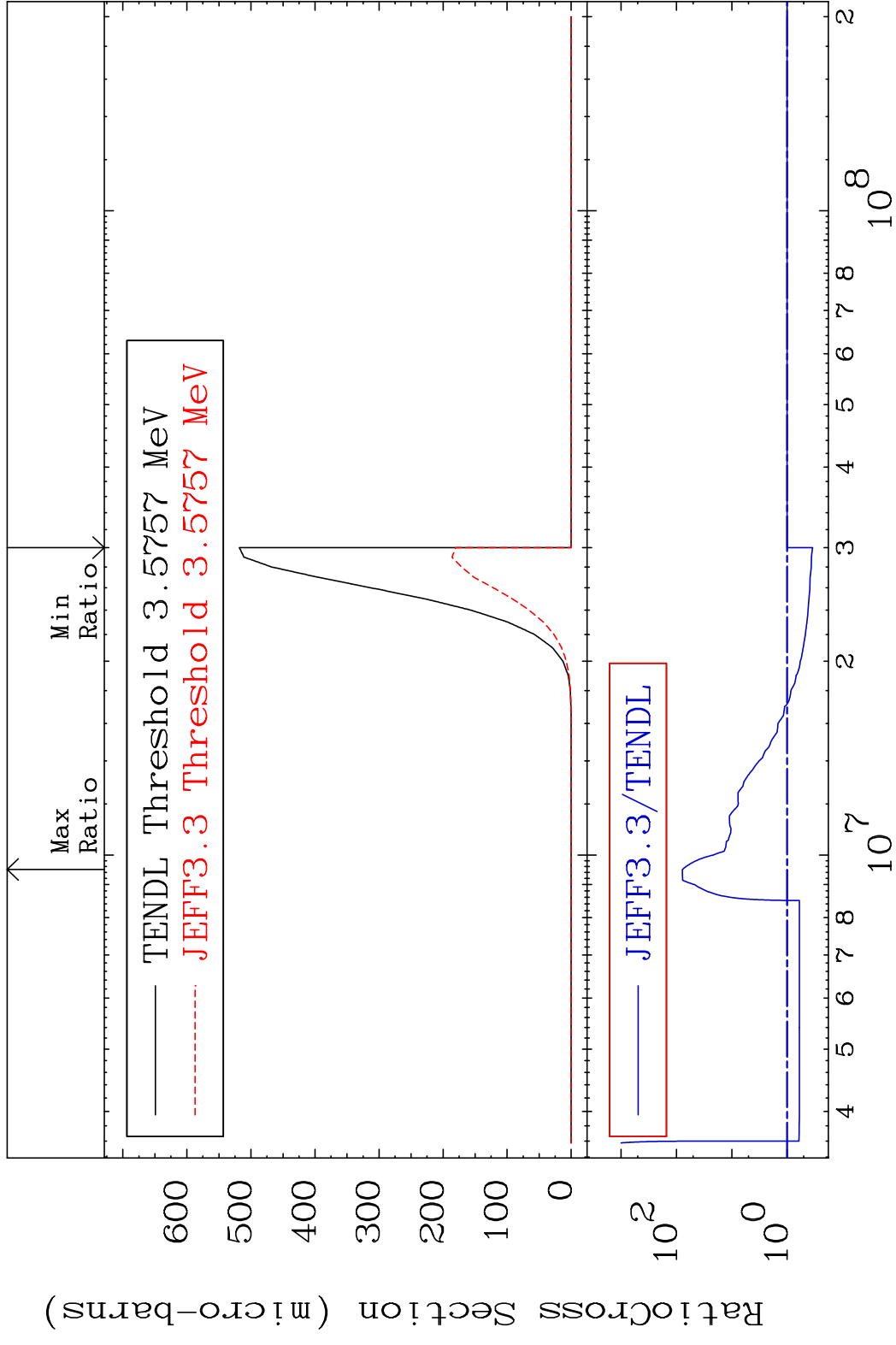
96 Incident Energy (eV) 44-Ru-98

MAT 4431 (n, t): 43-Tc-96m1 44-Ru-98  
 Radionuclide Production Cross Section Ratio 0.000 %

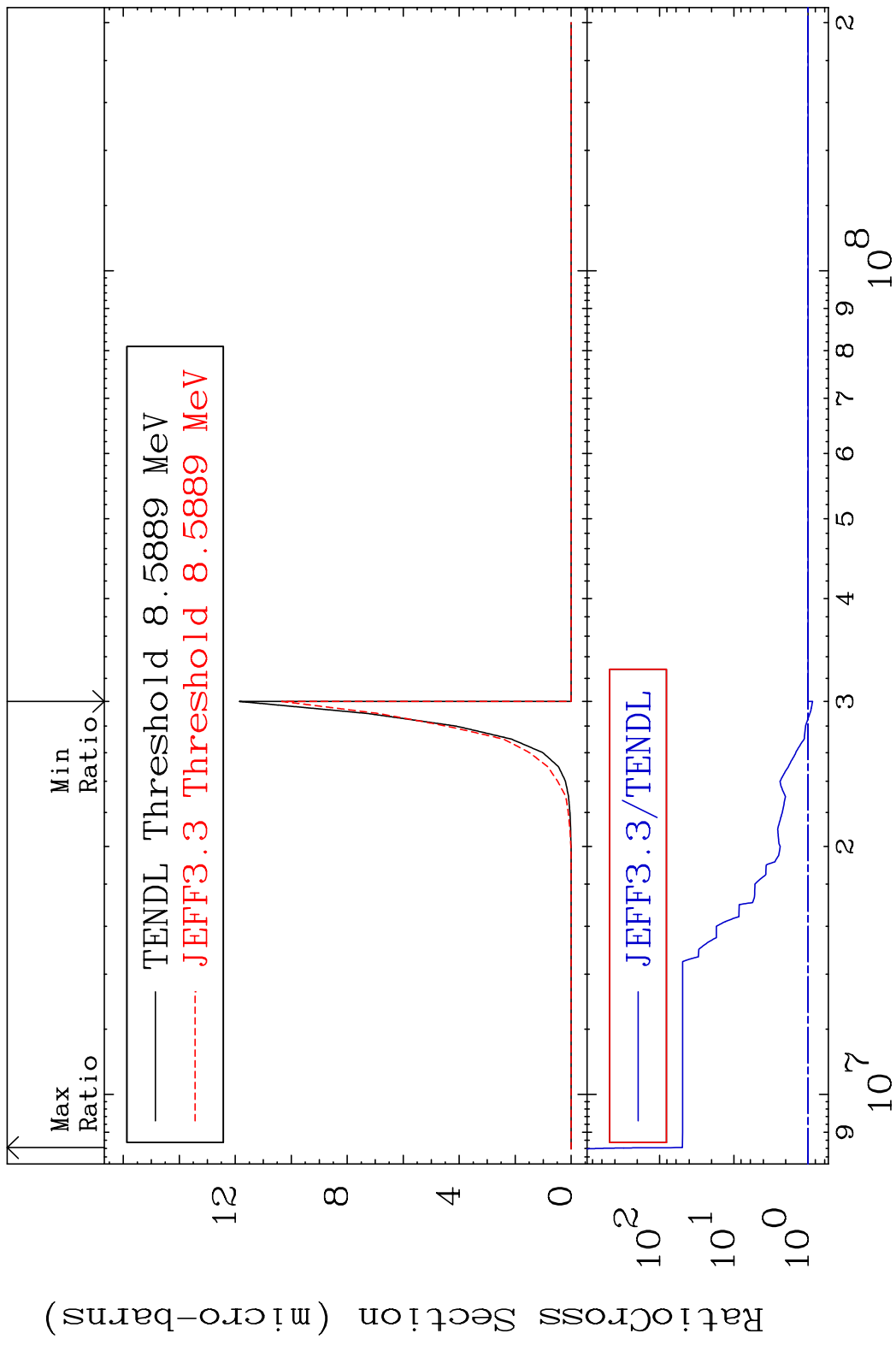




MAT 4431 (n,p)  $\alpha$ :41-Nb-94m1 44-Ru-98  
 Radionuclide Production Cross Section 7704. %



MAT 4431 (n, d)  $\alpha$ :41-Nb-93g 44-Ru-98  
 Radionuclide Production Cross Section 12.611 dth 4839. %



100 44-Ru-98

