

Program Complot  
(Version 2021-1)

by

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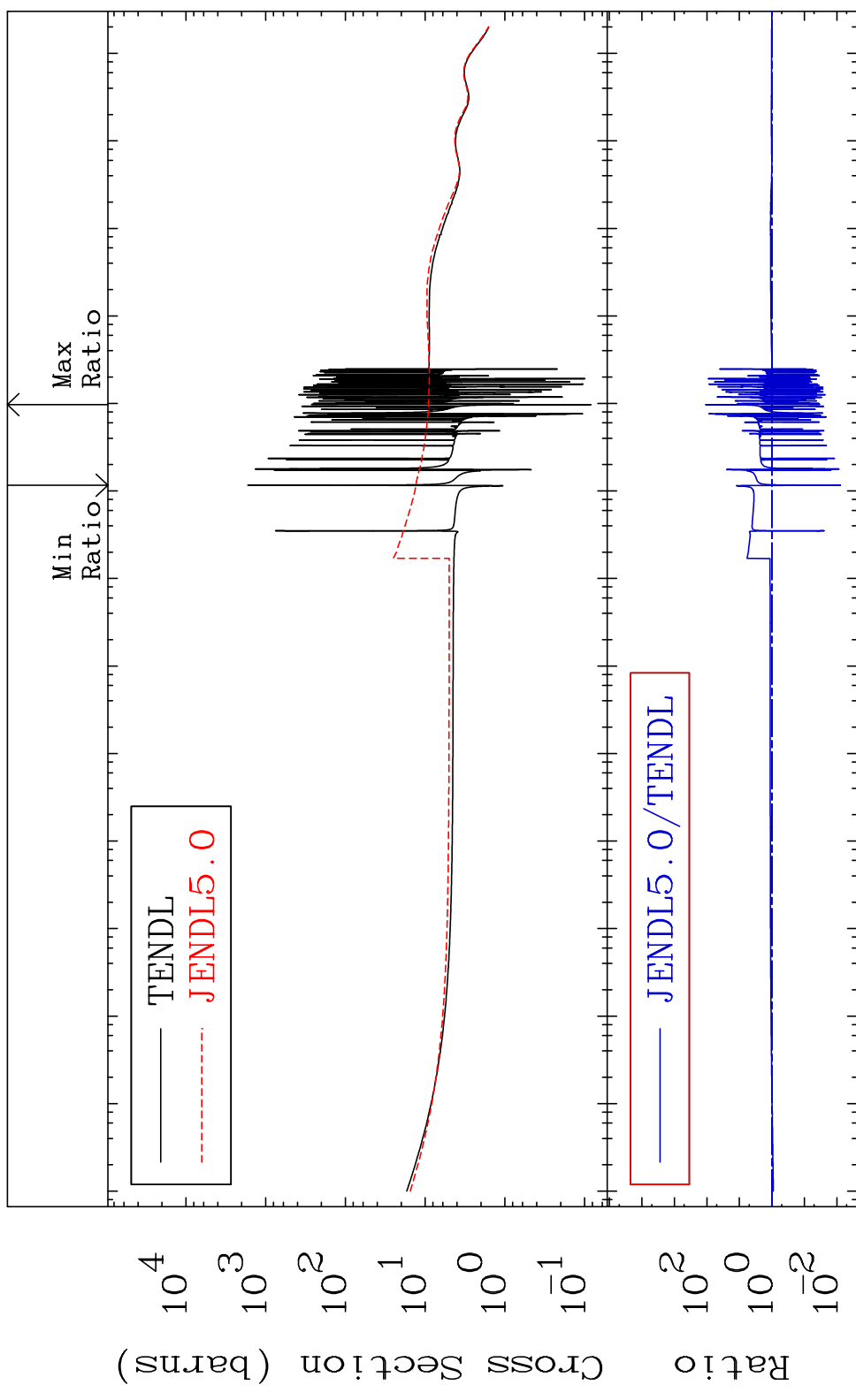
Press Mouse Button to Start

MAT 4425

44-Ru-96

Total

Cross Section -99.23 To 9999. %



1

Incident Energy (eV)

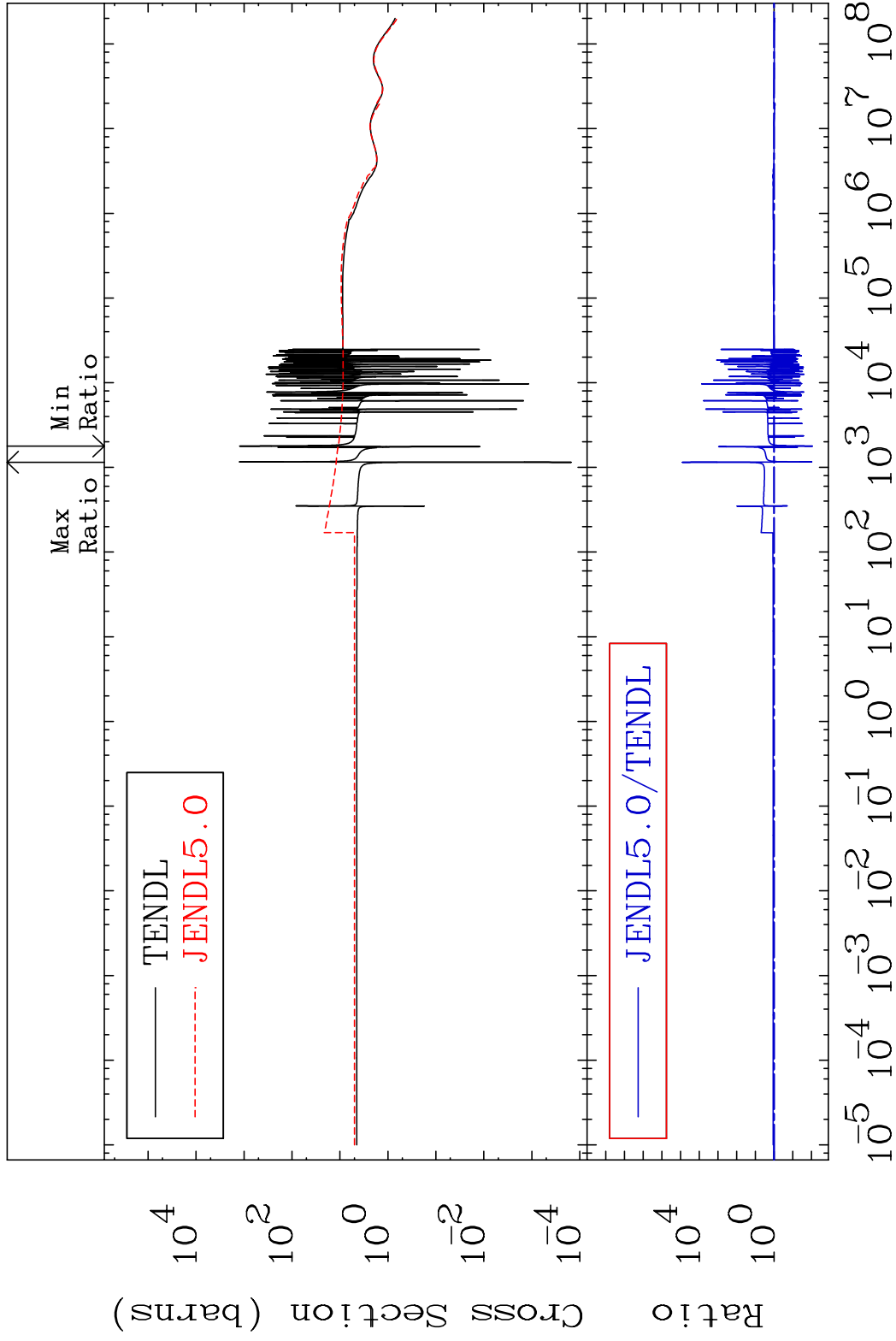
44-Ru-96

MAT 4425

Elastic

44-Ru-96

Cross Section -99.12 To 9999. %

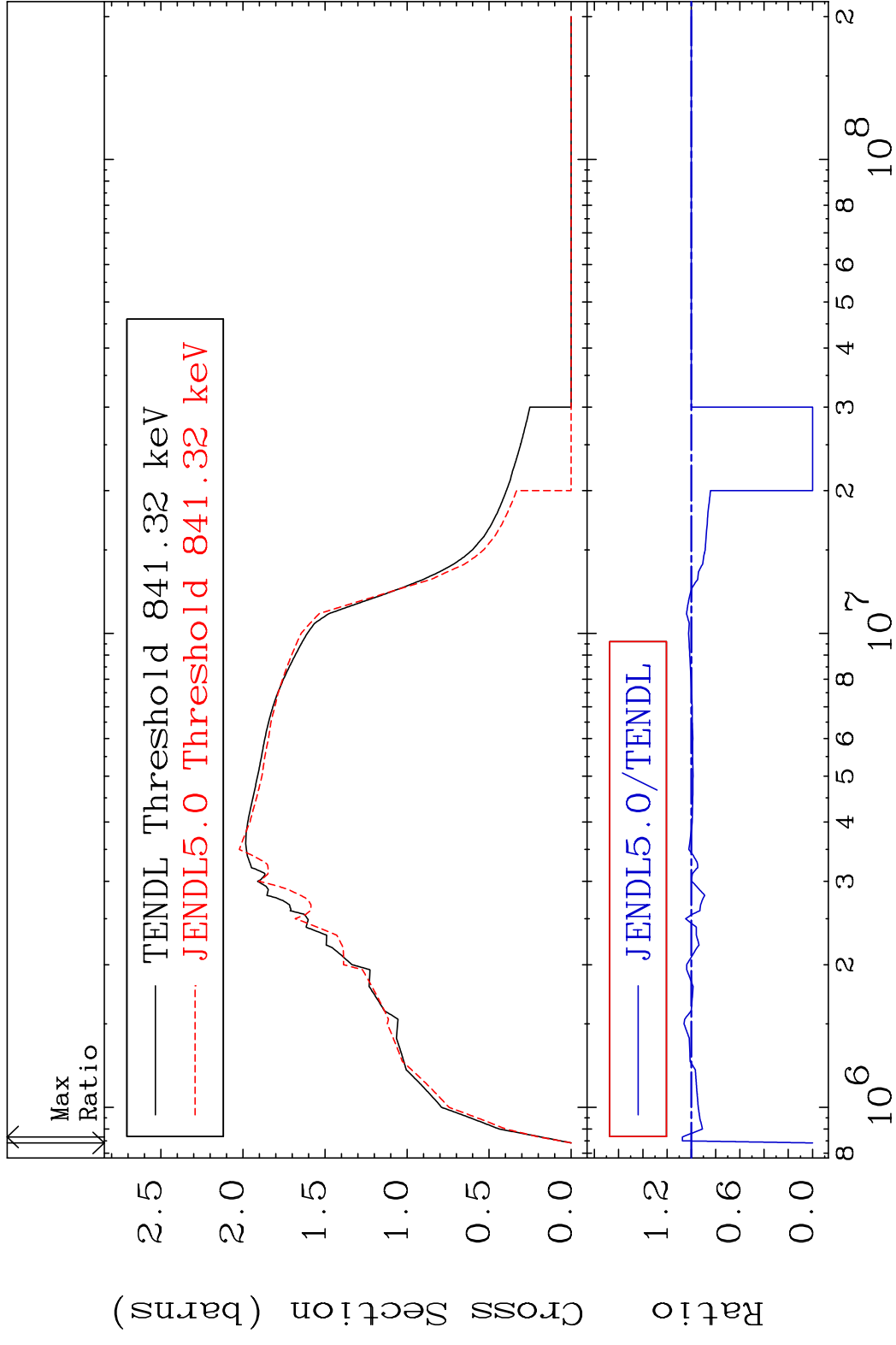


2

Incident Energy (eV)

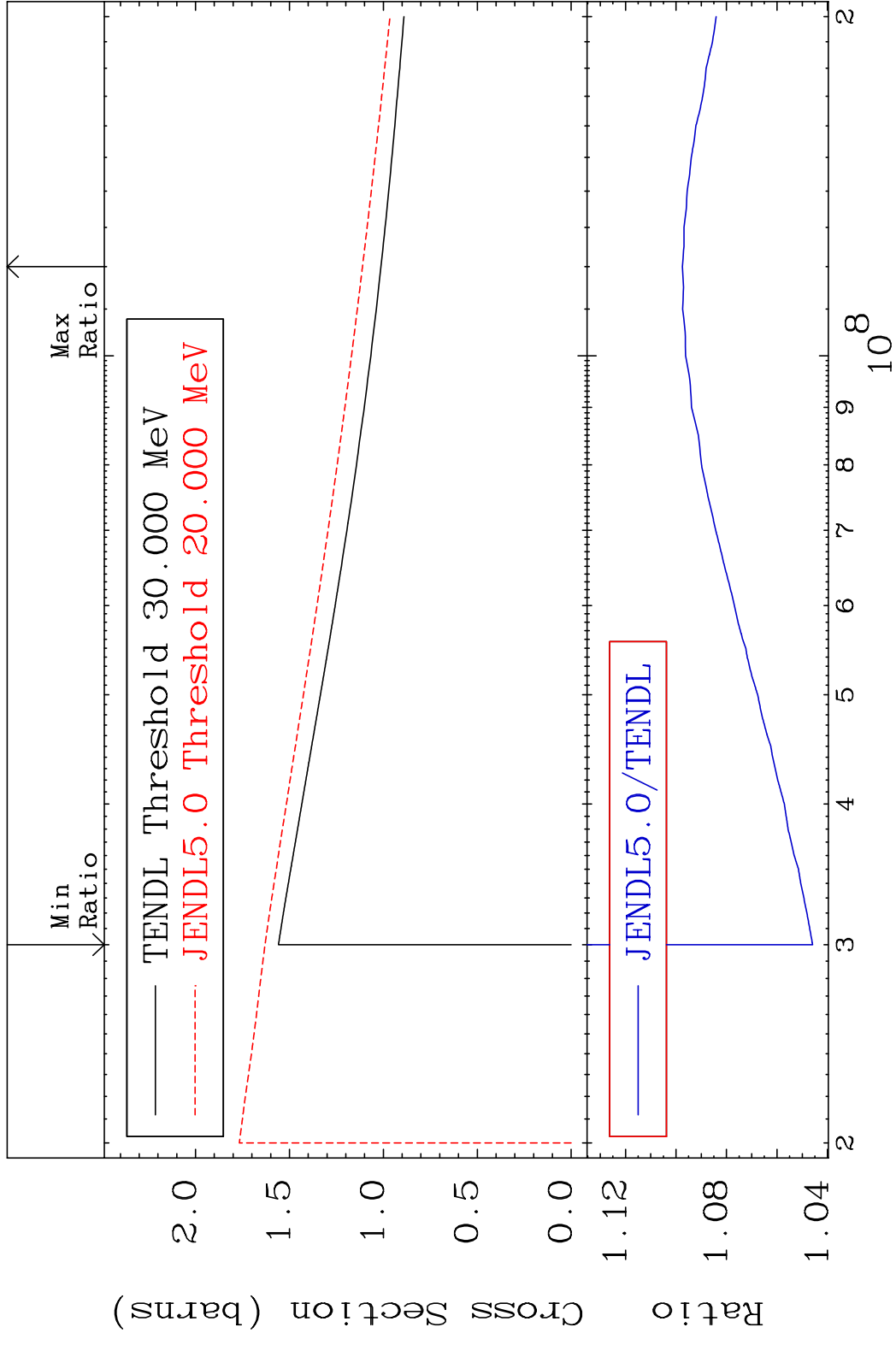
44-Ru-96

MAT 4425 Inelastic 44-Ru-96  
 Cross Section -100.0 To 7.414 %



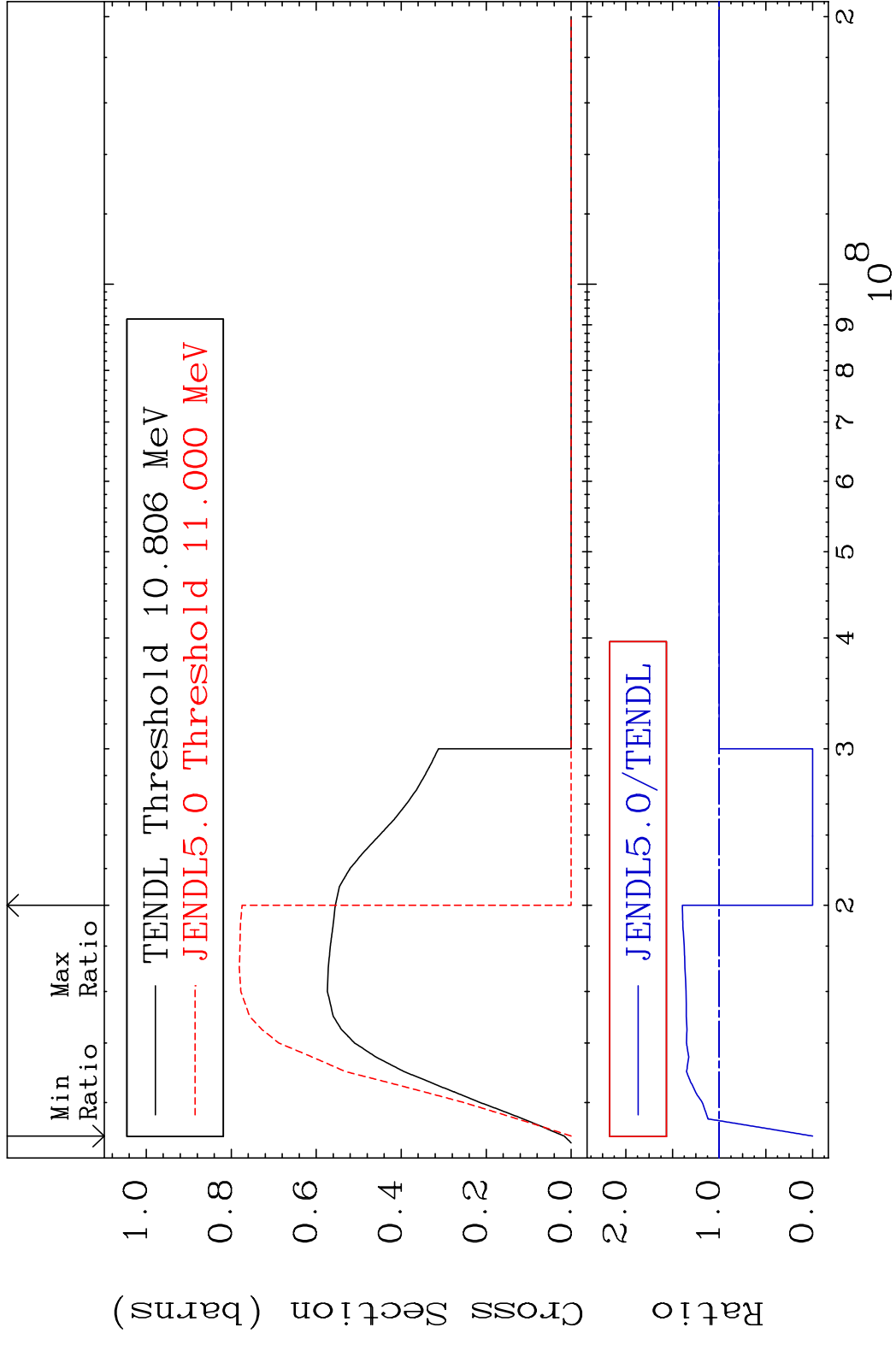
3 Incident Energy (eV) 44-Ru-96

MAT 4425 (n, remainder) 44-Ru-96  
 Cross Section 4.591 To 9.749 %

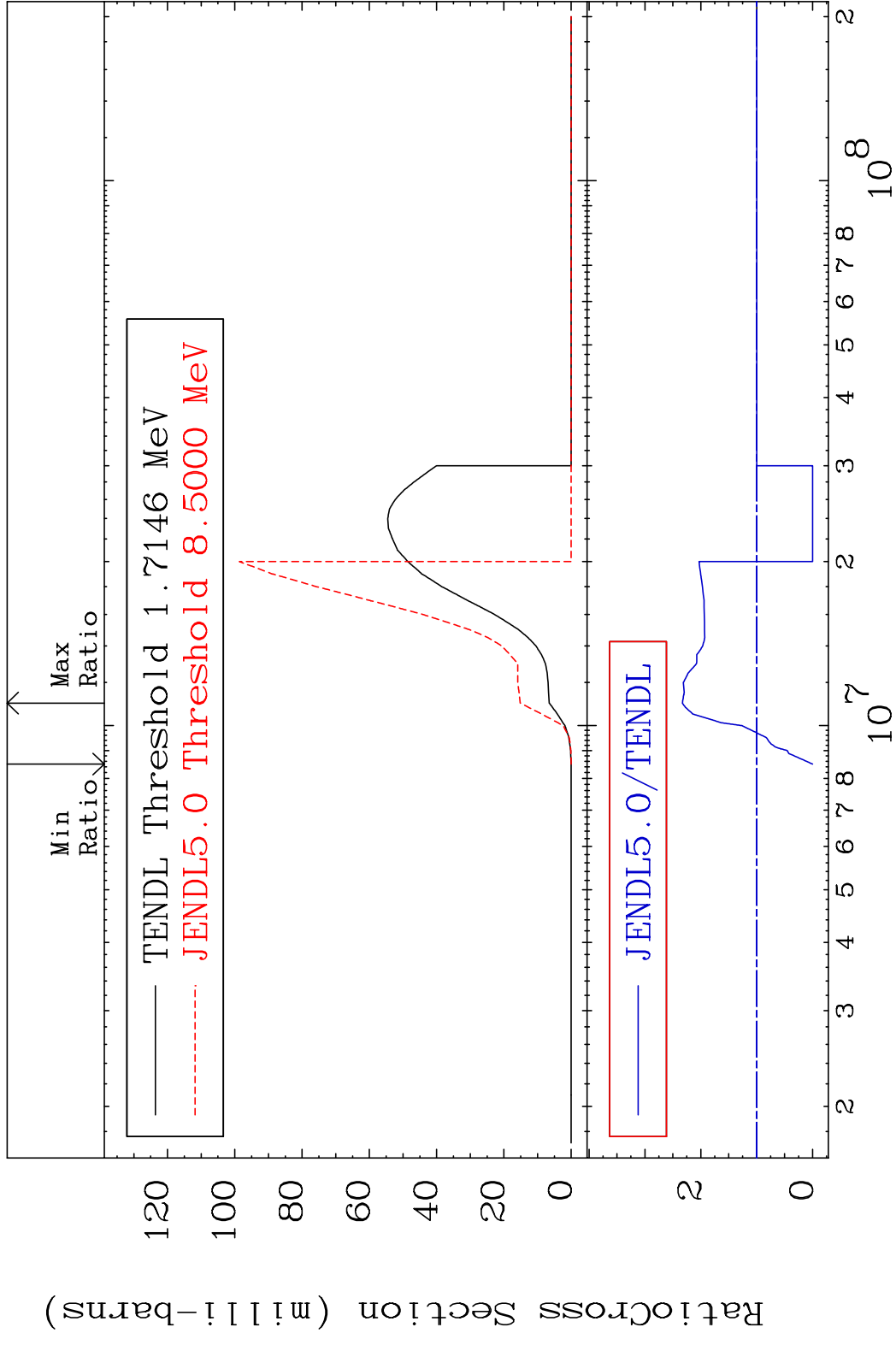


4 Incident Energy (eV) 44-Ru-96

MAT 4425 (n,2n) 44-Ru-96  
 Cross Section -100.0 To 39.48 %

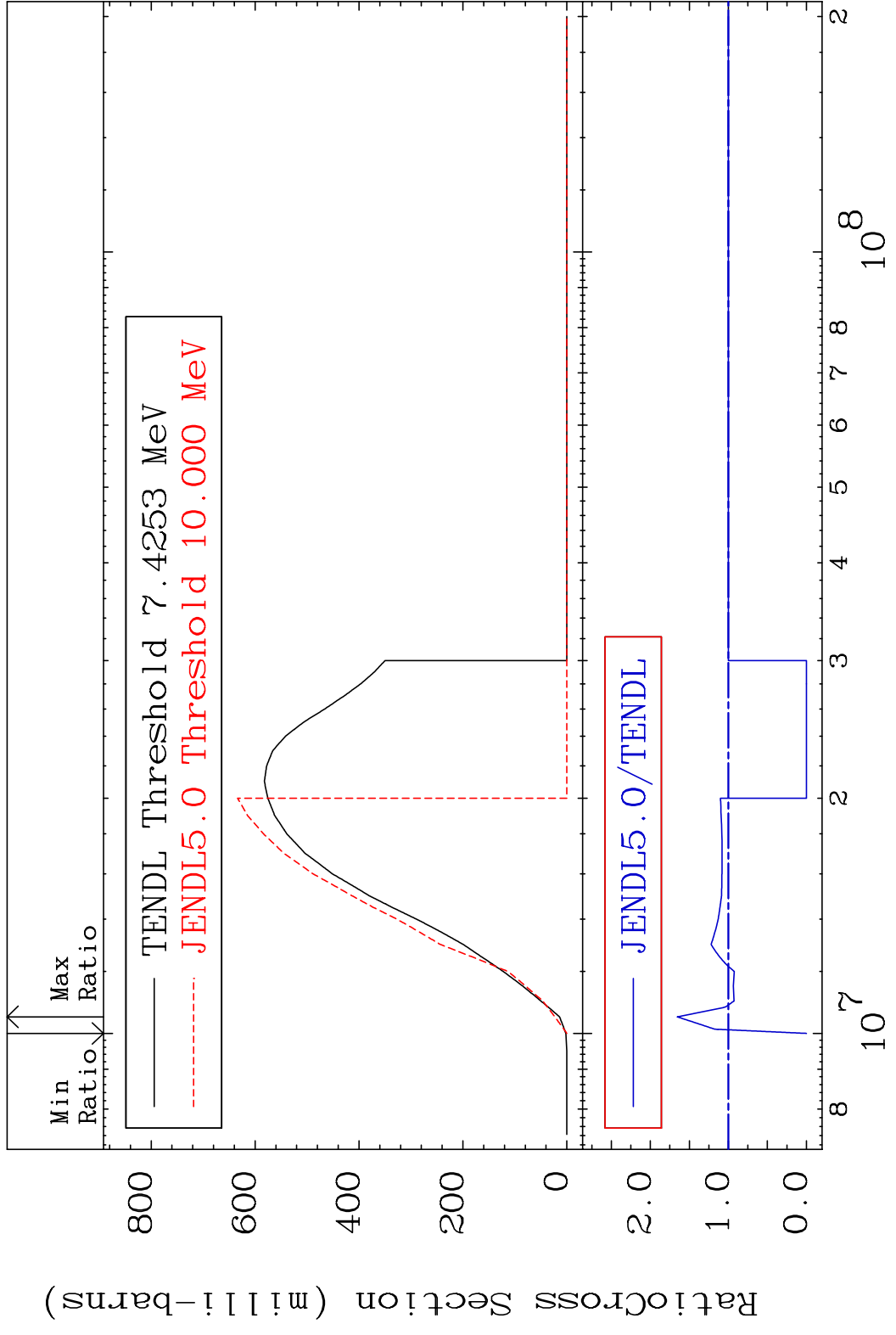


MAT 4425 (n, n')  $\alpha$  44-Ru-96  
 Cross Section -100.0 To 133.0 %



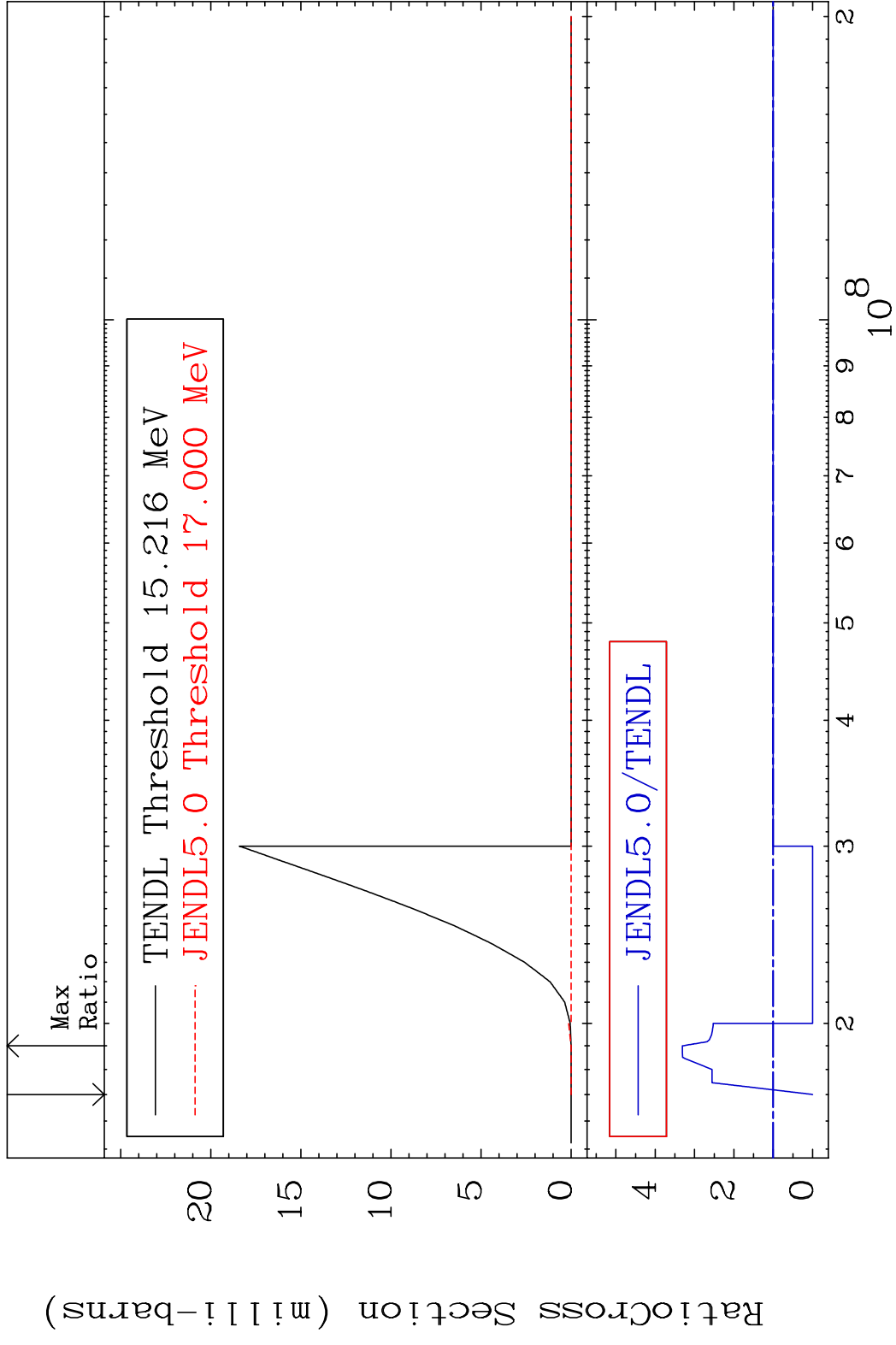
6 Incident Energy (eV) 44-Ru-96

MAT 4425 (n, n') p 44-Ru-96  
 Cross Section -100.0 To 65.59 %

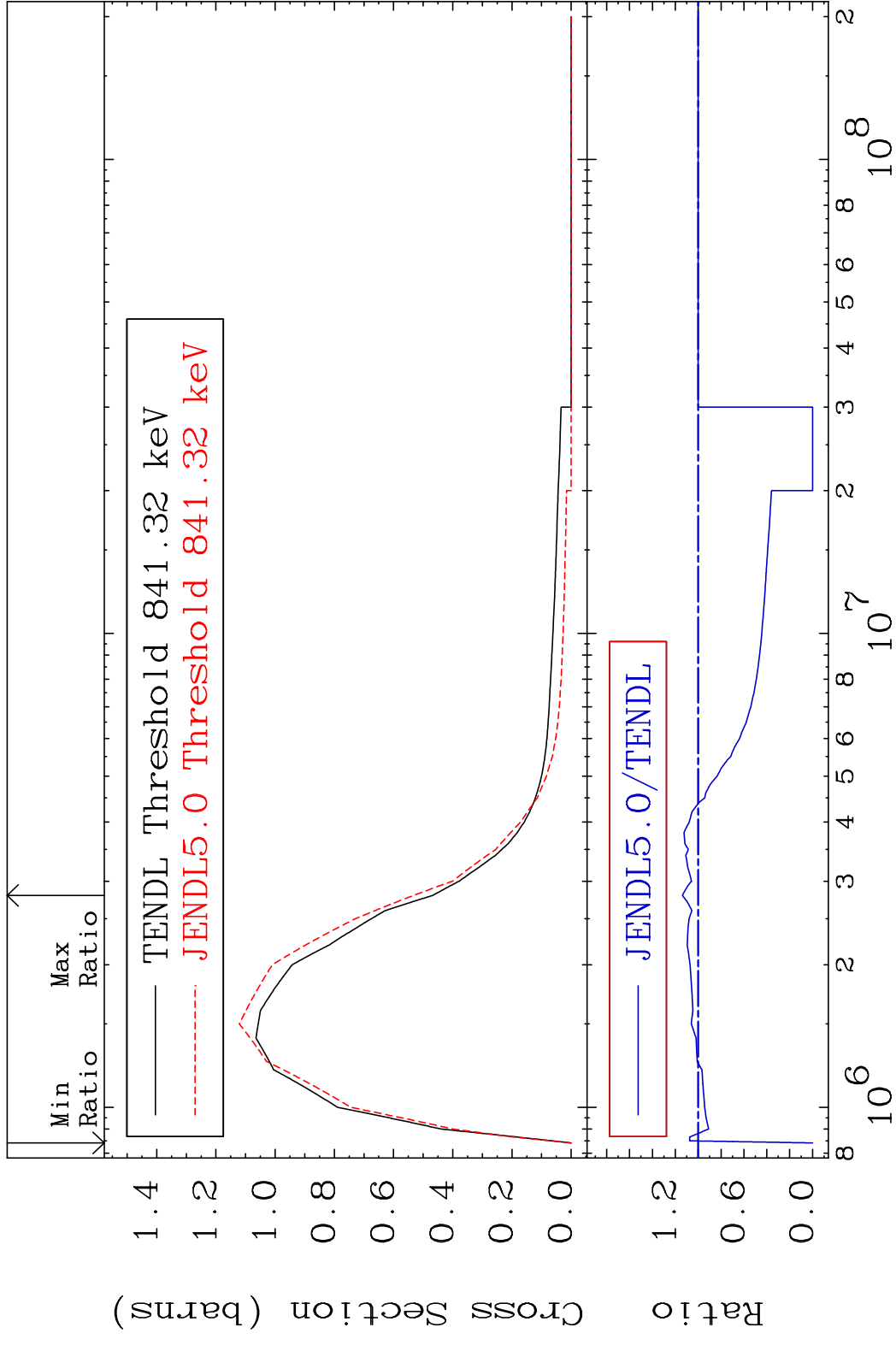




MAT 4425 (n, n') d 44-Ru-96  
 Cross Section -100.0 To 231.0 %

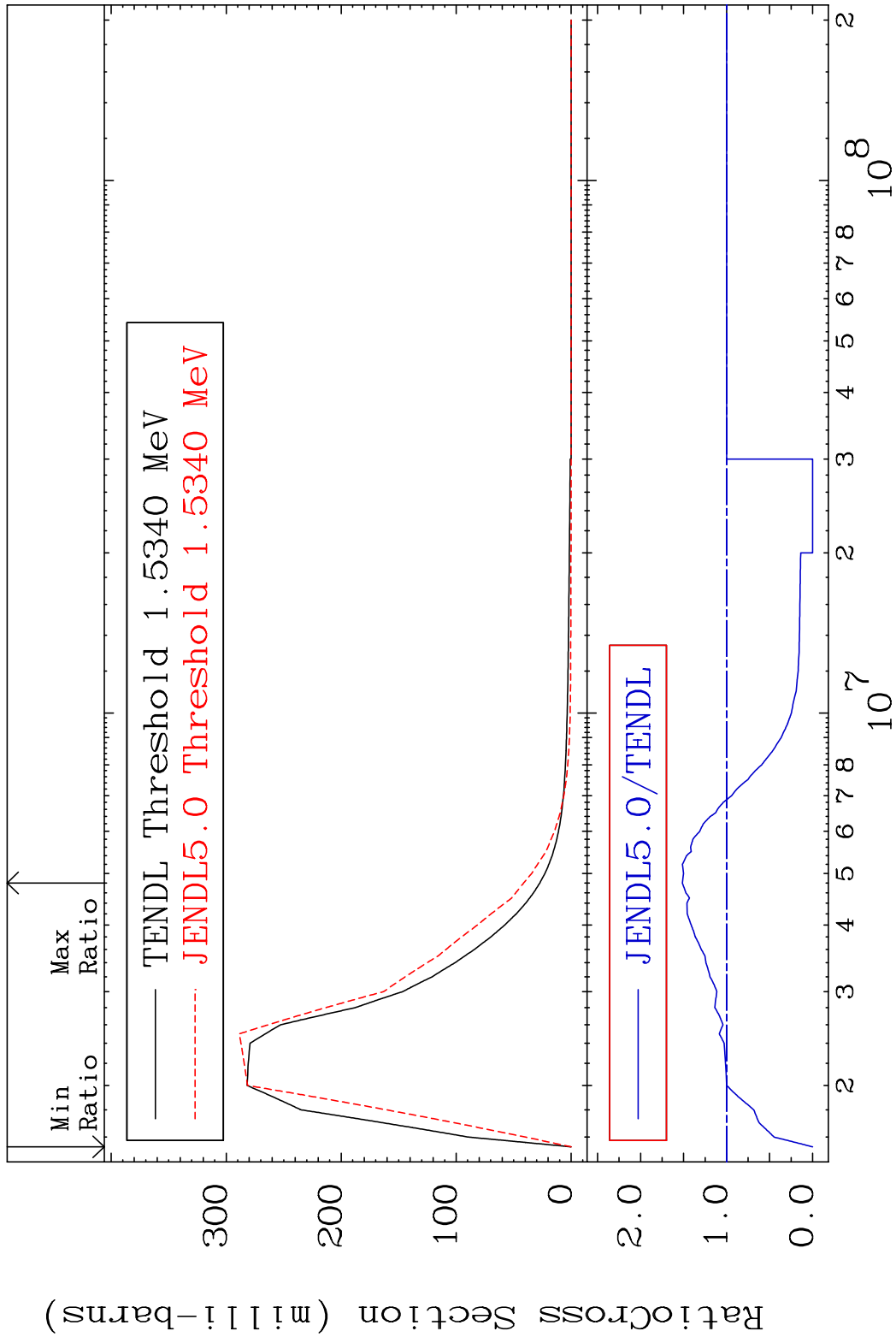


MAT 4425 MT= 51 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 13.83 %

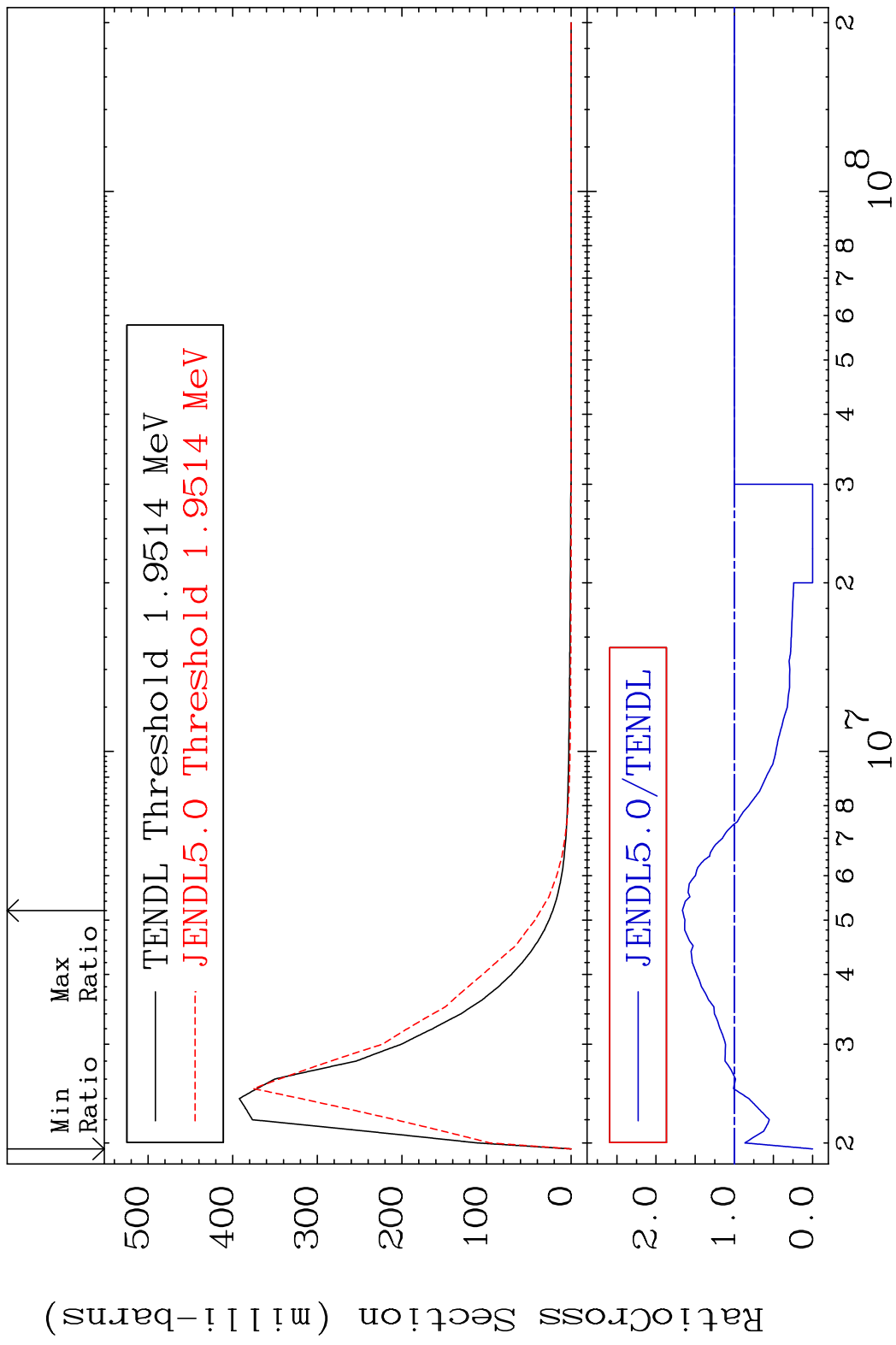


9 44-Ru-96

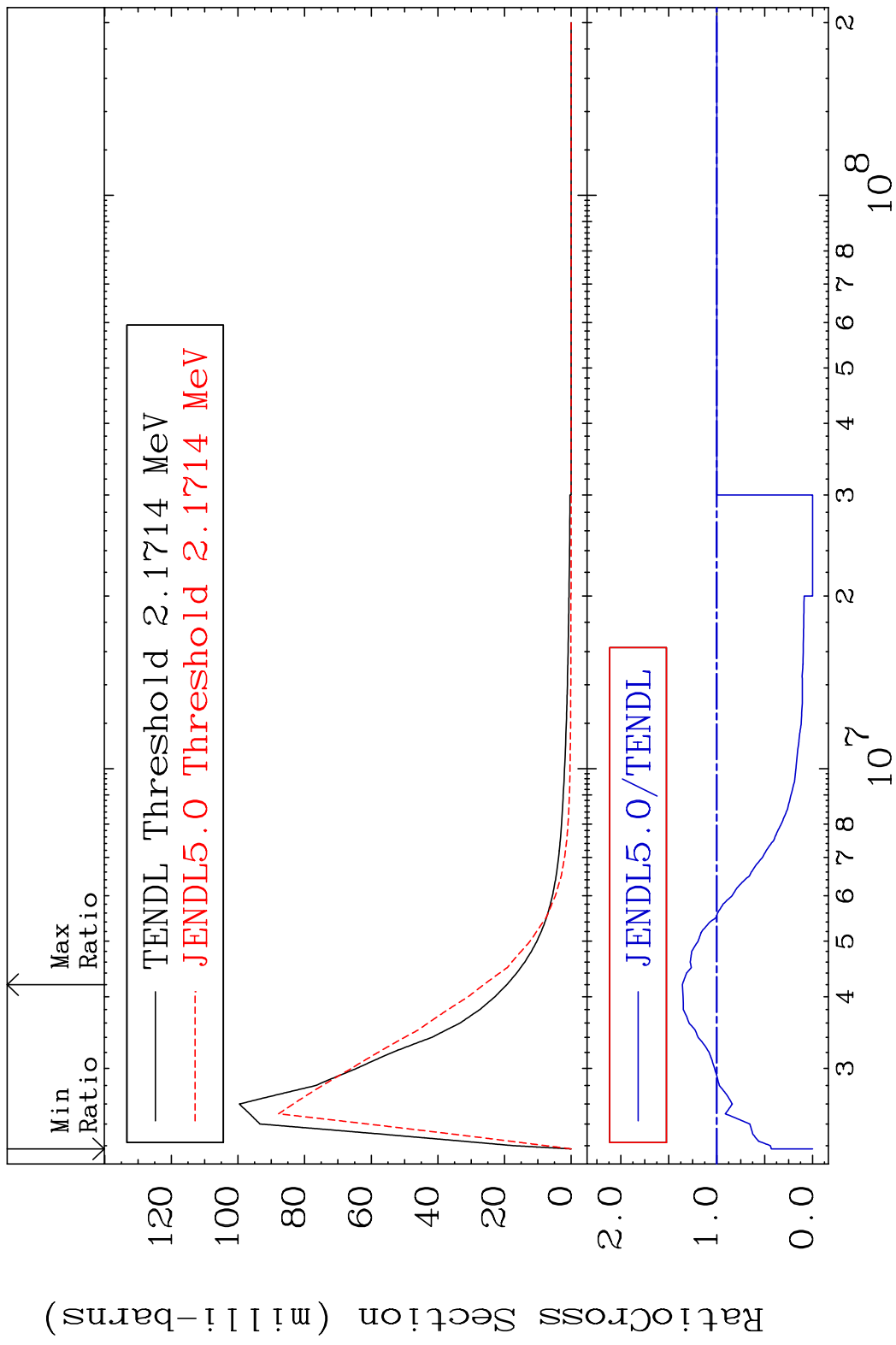
MAT 4425 MT= 52 (n,n') Level 44-Ru-96  
Cross Section -100.0 To 51.43 %



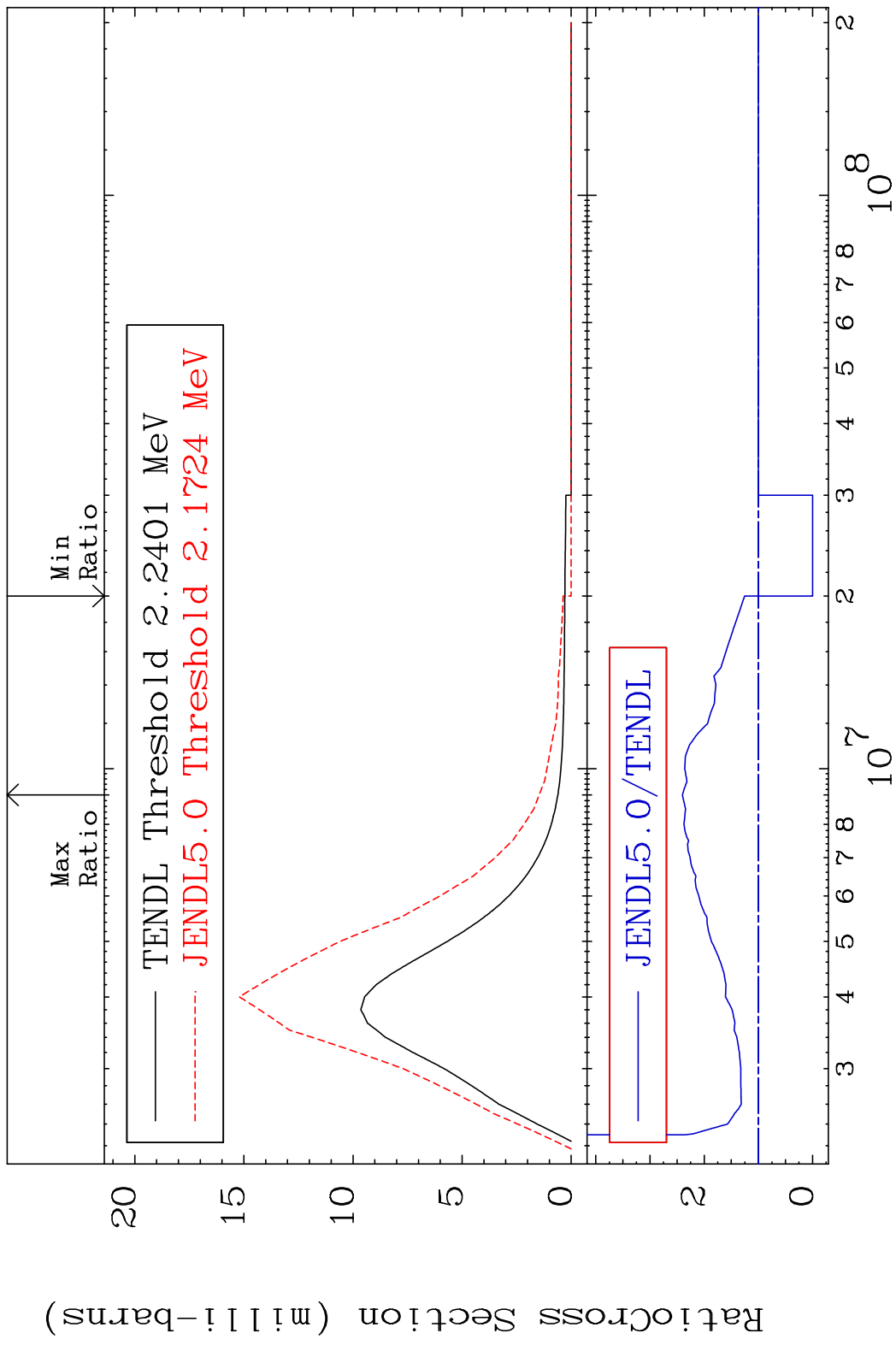
MAT 4425 MT= 53 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 66.35 %



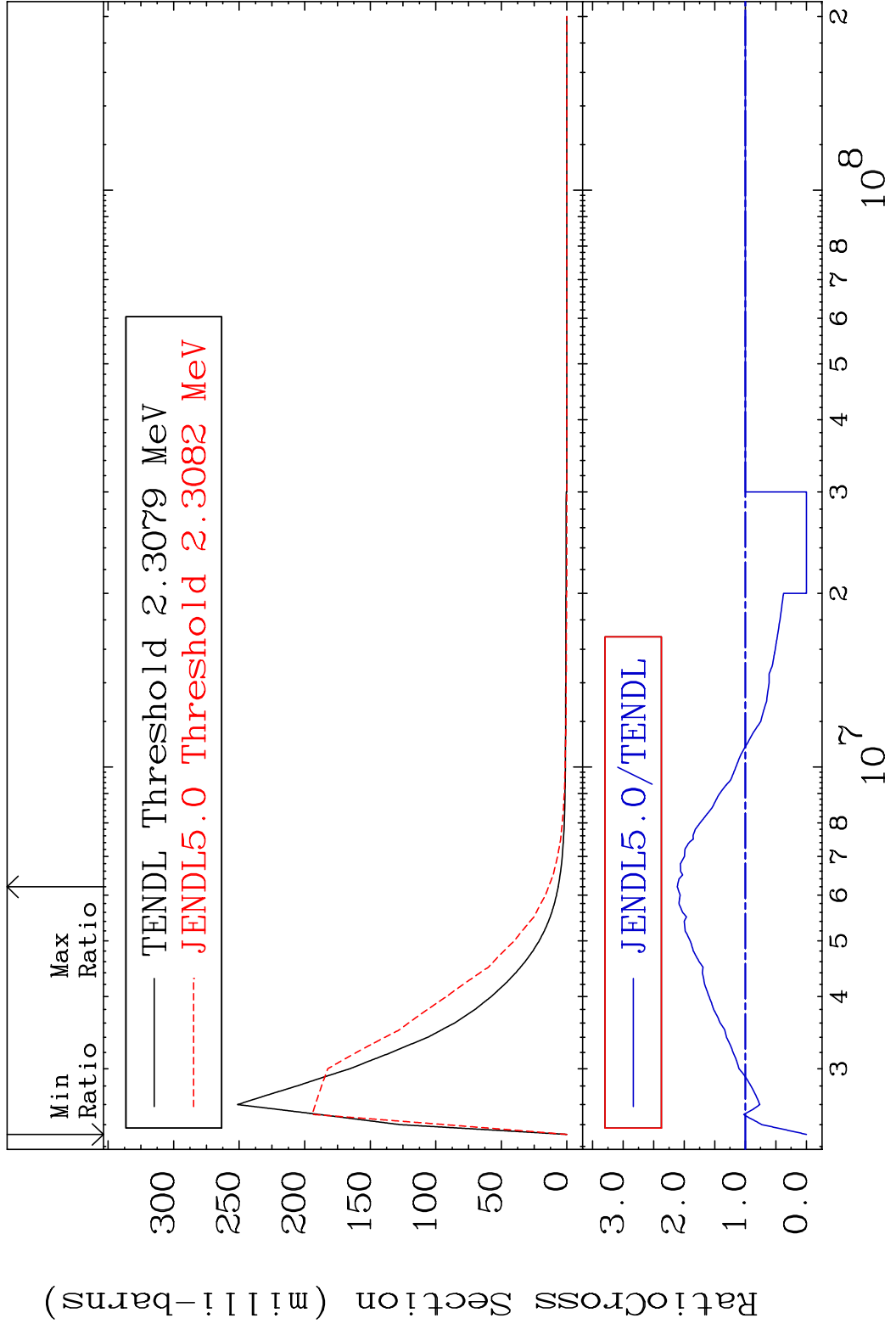
MAT 4425 MT= 54 (n,n') Level 44-Ru-96  
 Cross Section -100.0 To 35.86 %



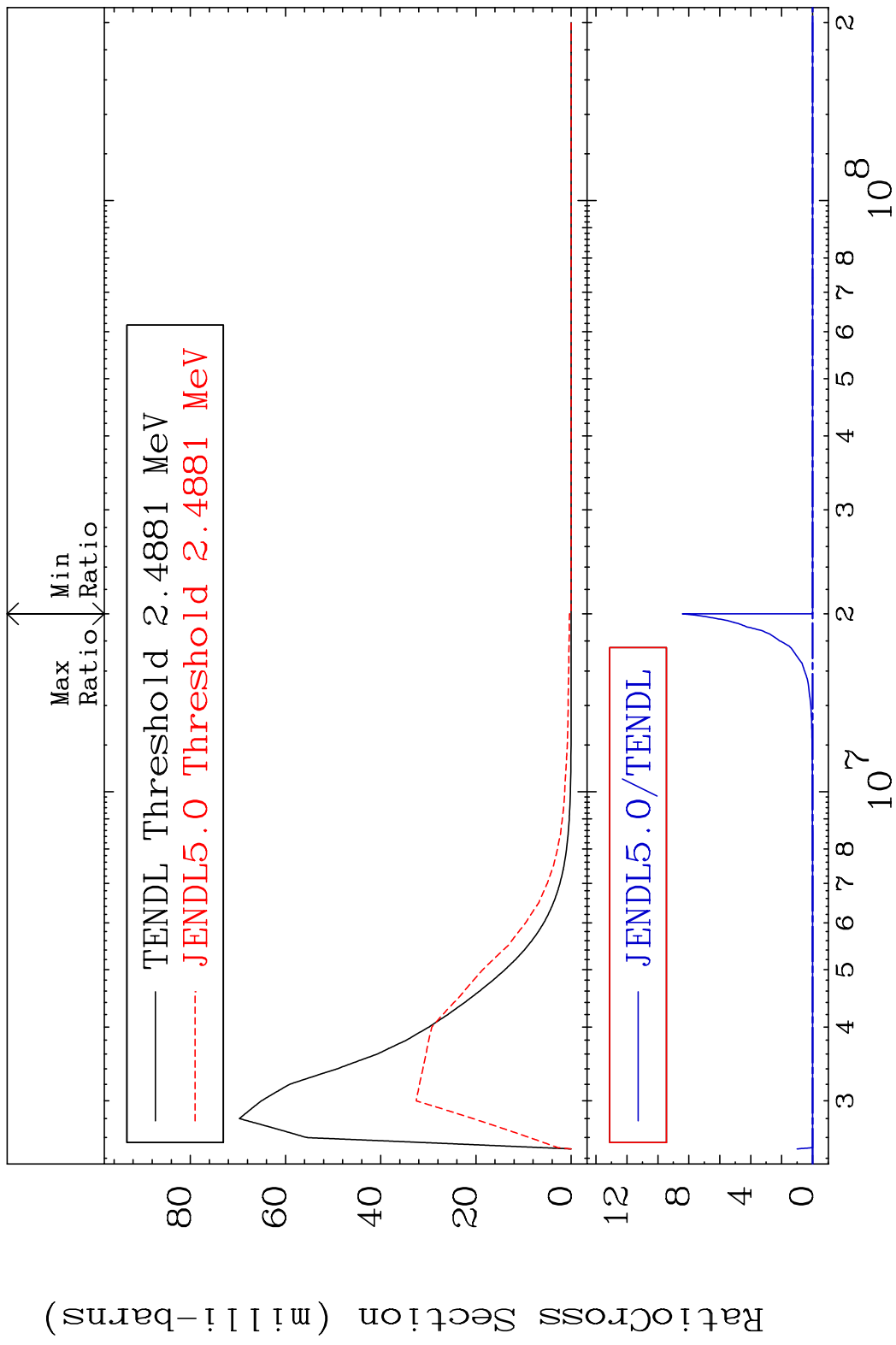
MAT 4425 MT= 55 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 140.3 %



MAT 4425 MT= 56 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 111.6 %

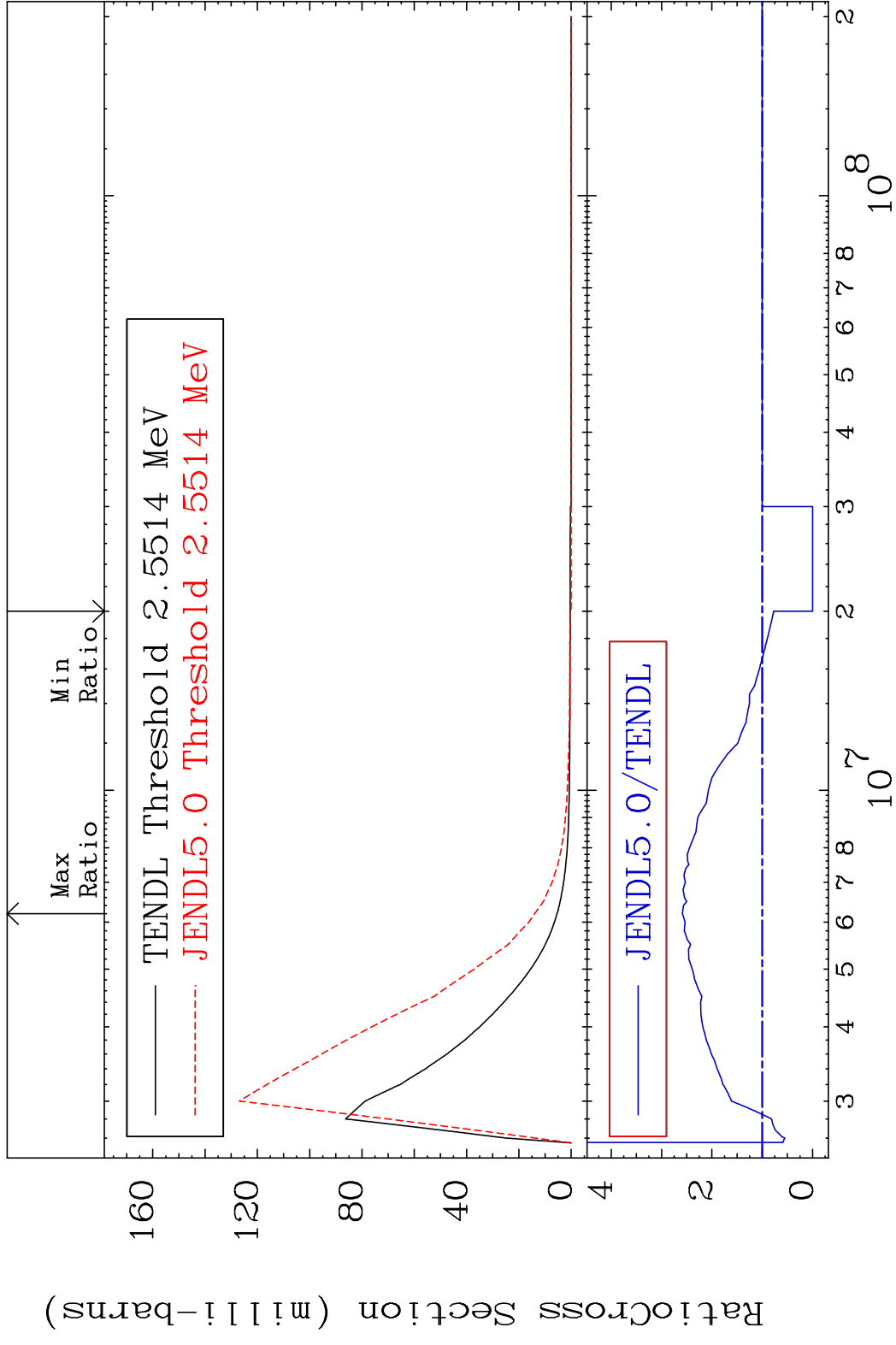


MAT 4425 MT= 57 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 9999. %



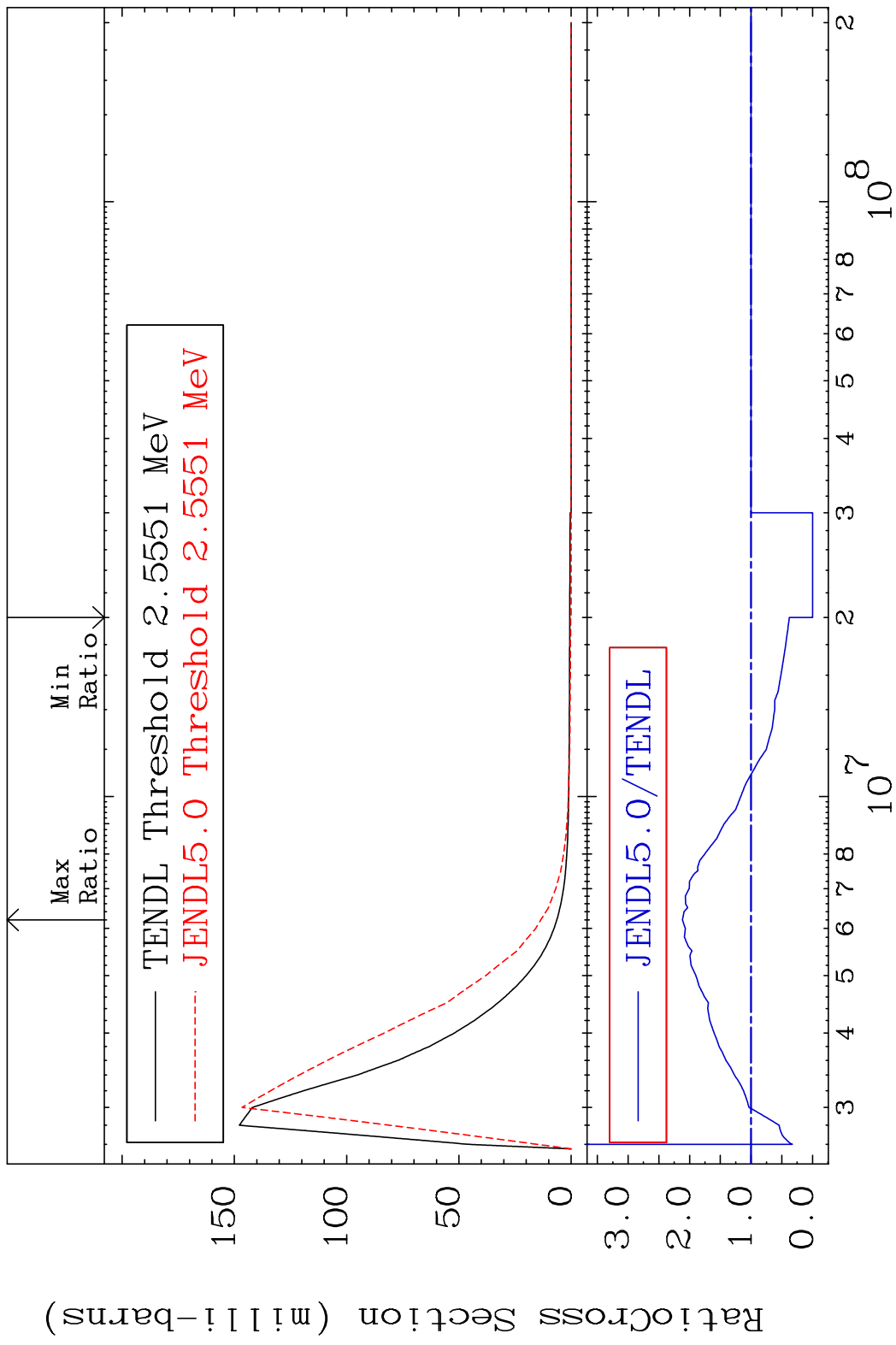


MAT 4425 MT= 58 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 158.7 %

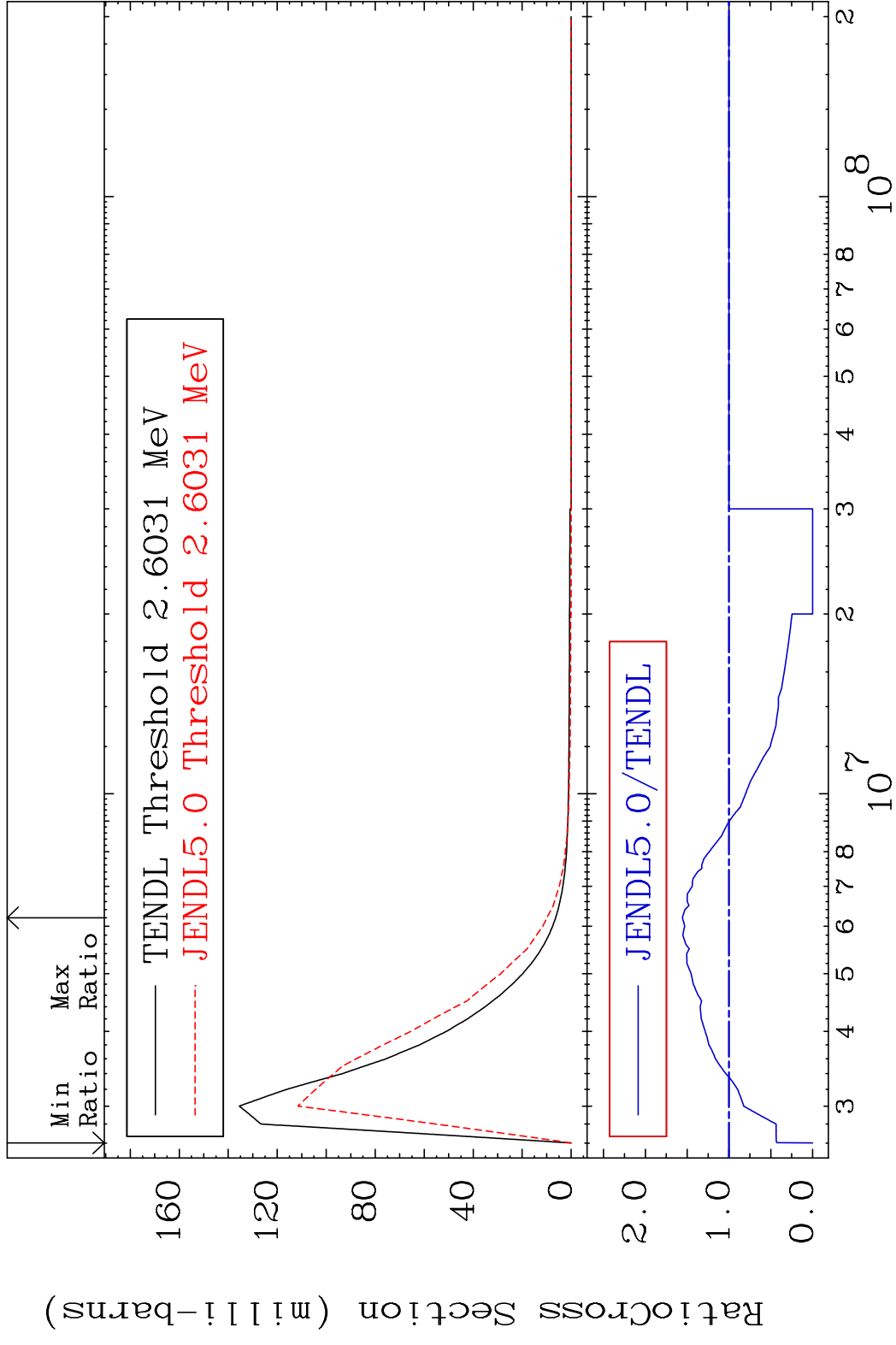


16 Incident Energy (eV) 44-Ru-96

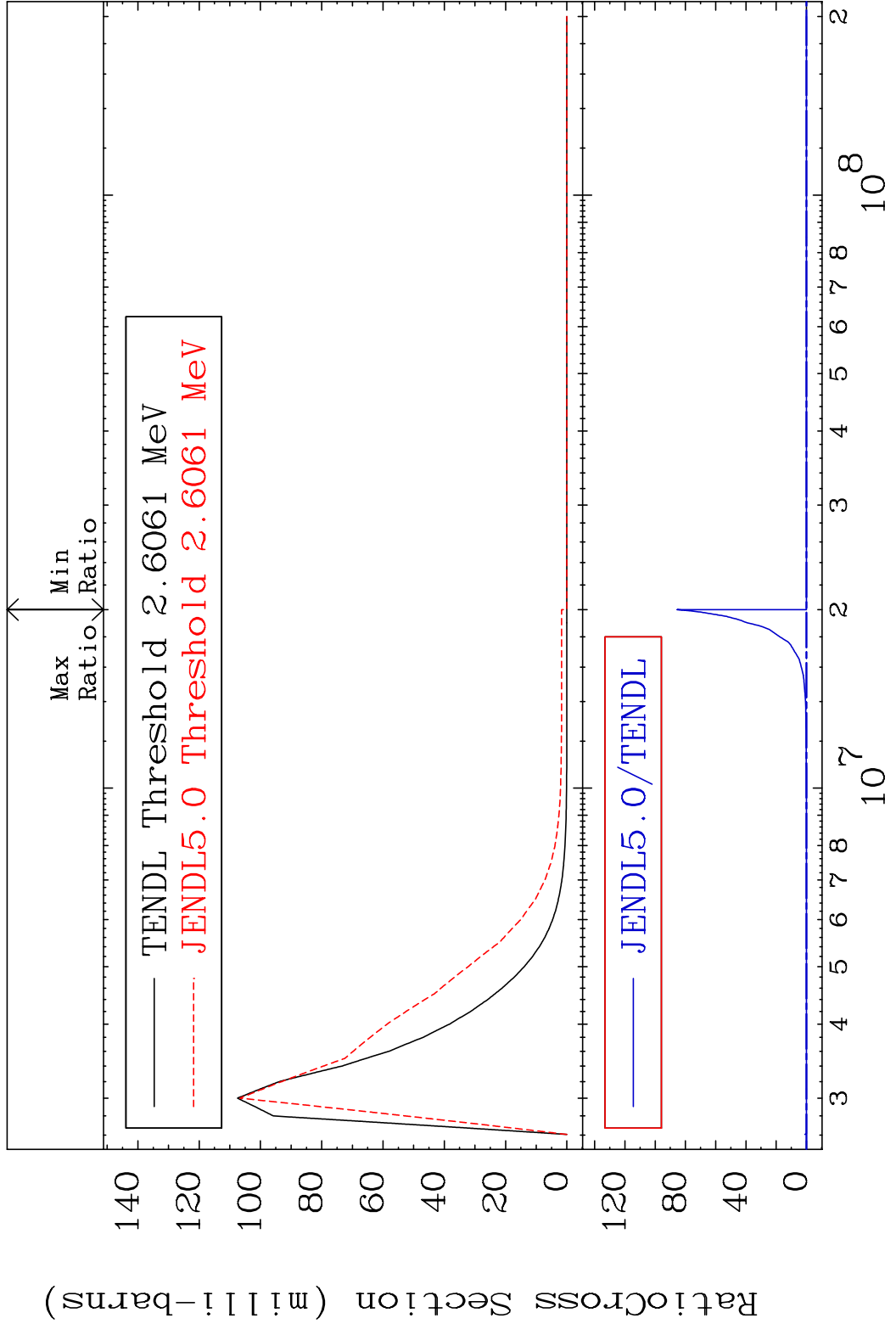
MAT 4425 MT= 59 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 111.8 %



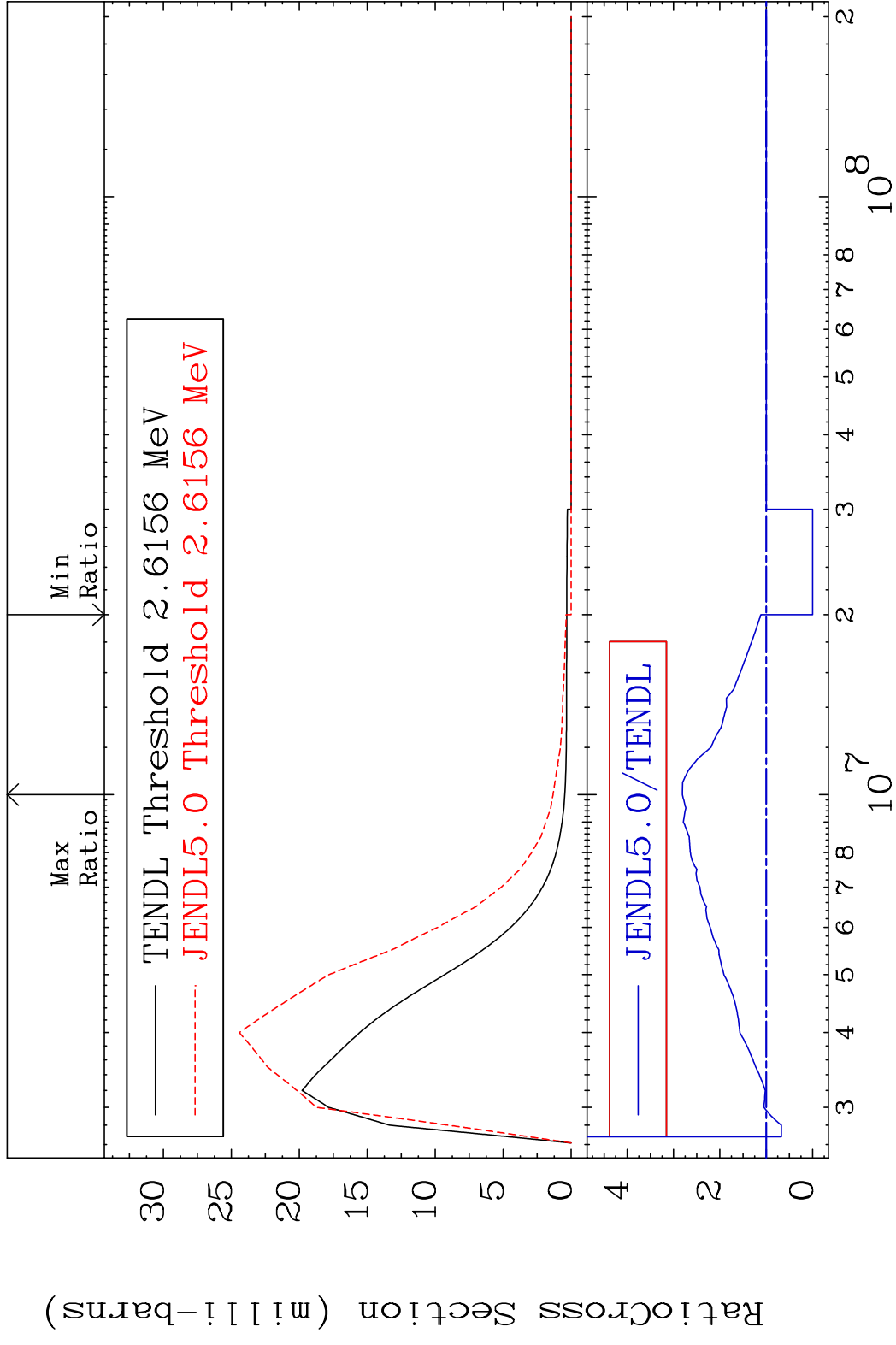
MAT 4425 MT= 60 (n,n') Level 44-Ru-96  
 Cross Section -100.0 To 55.77 %



MAT 4425 MT= 61 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 9999. %

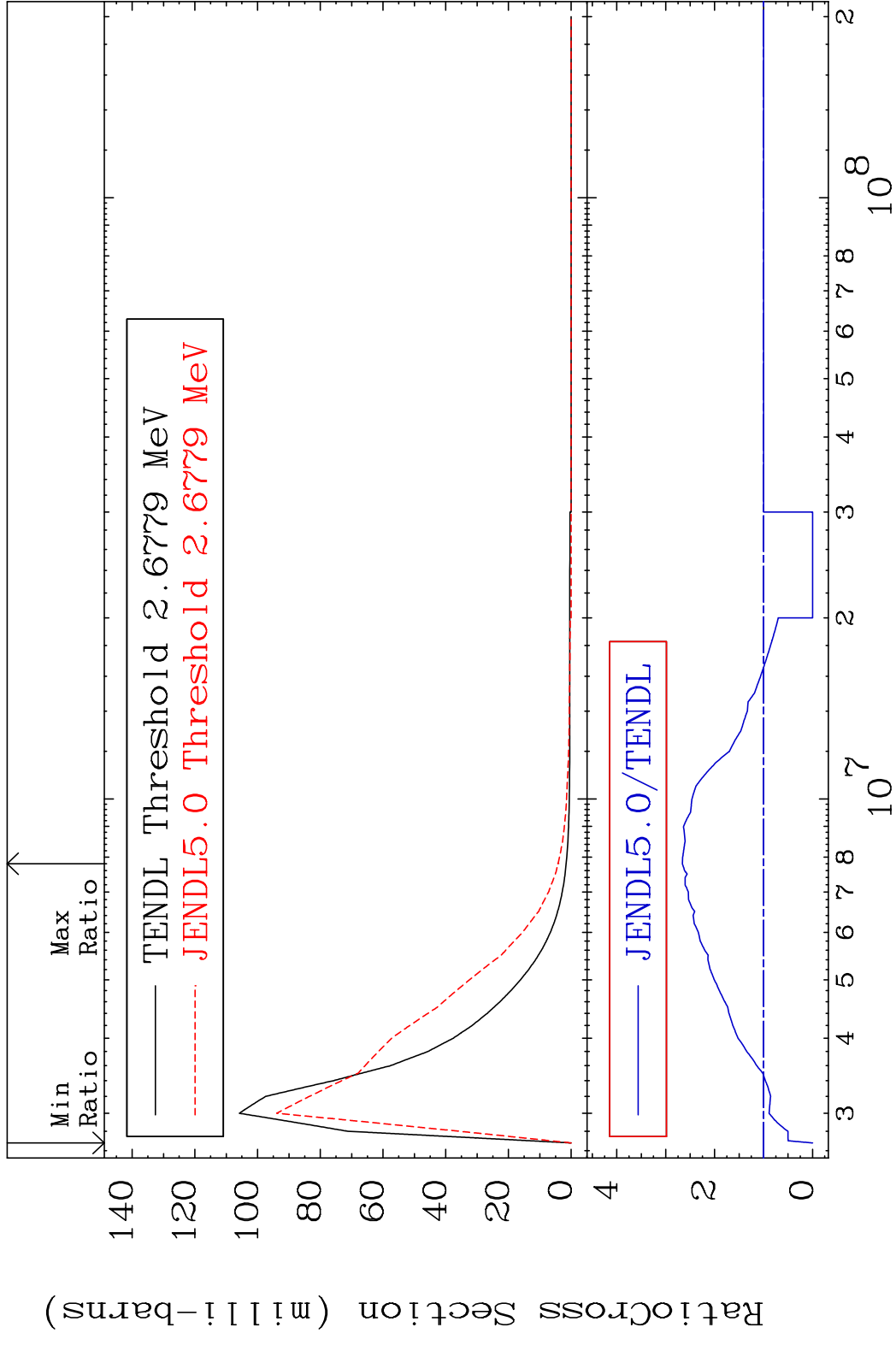


MAT 4425 MT= 62 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 181.1 %

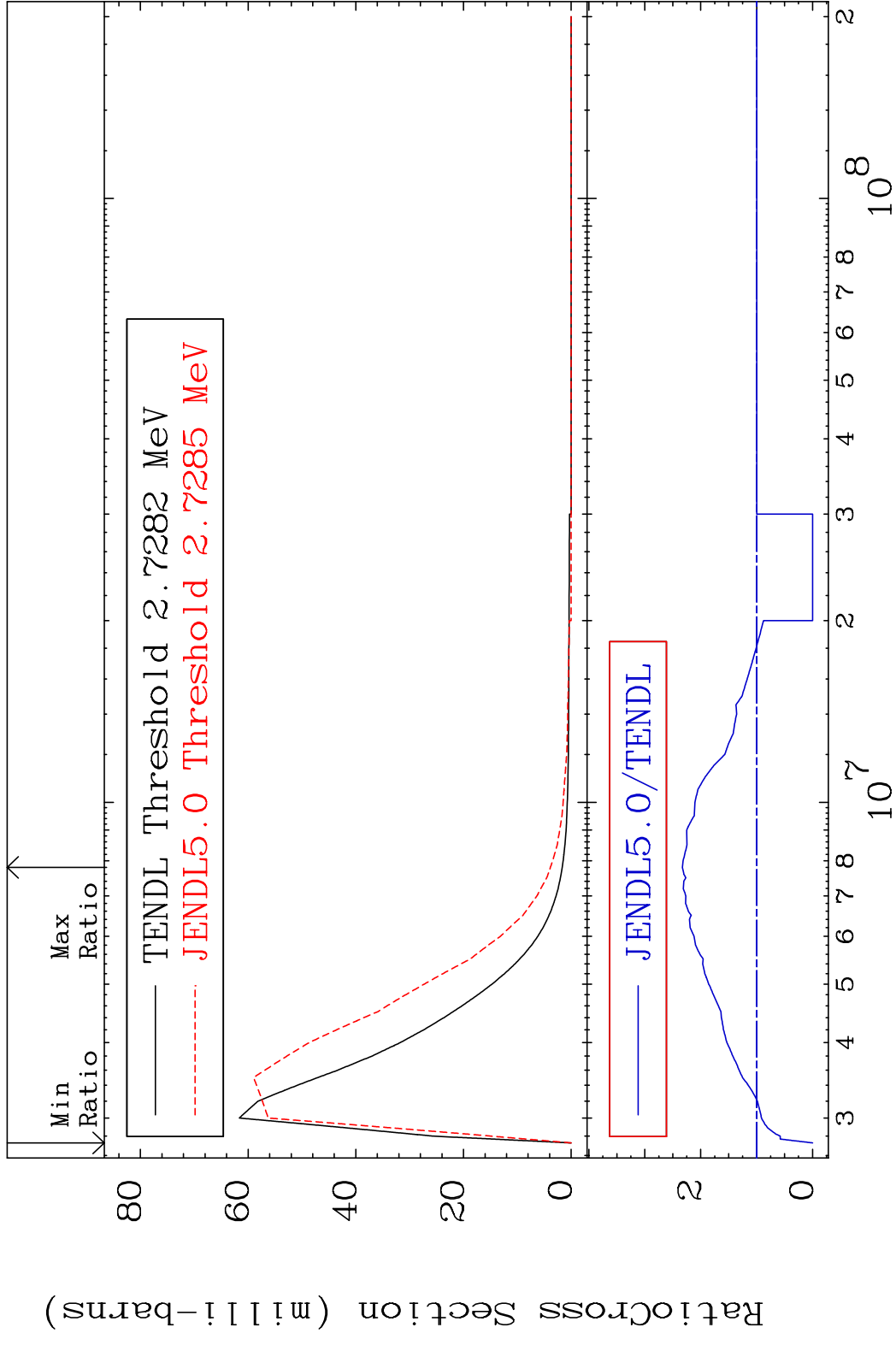


20 44-Ru-96

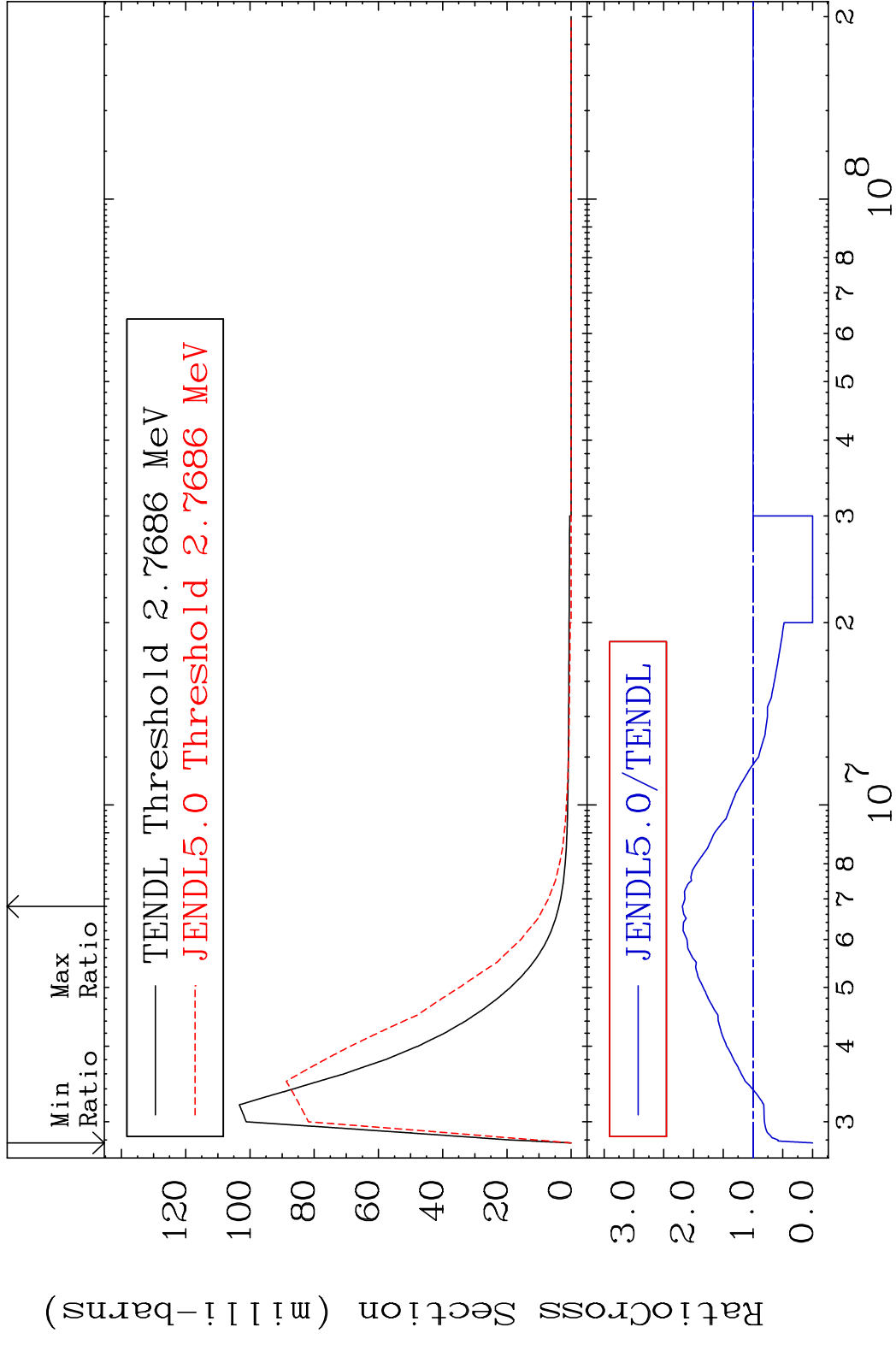
MAT 4425 MT= 63 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 166.0 %



MAT 4425 MT= 64 (n,n') Level 44-Ru-96  
 Cross Section -100.0 To 132.9 %

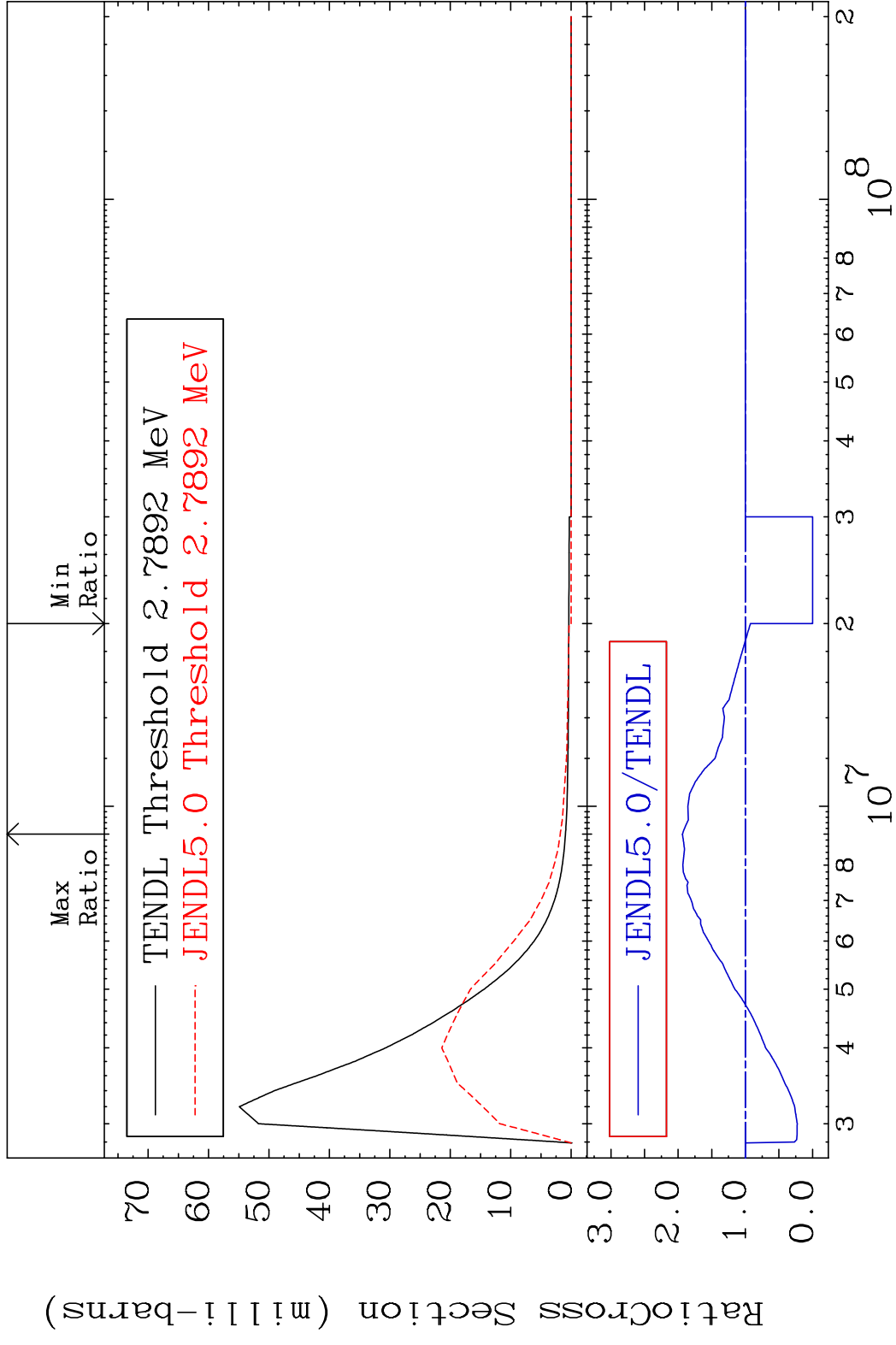


MAT 4425 MT= 65 (n,n') Level 44-Ru-96  
 Cross Section -100.0 To 118.7 %

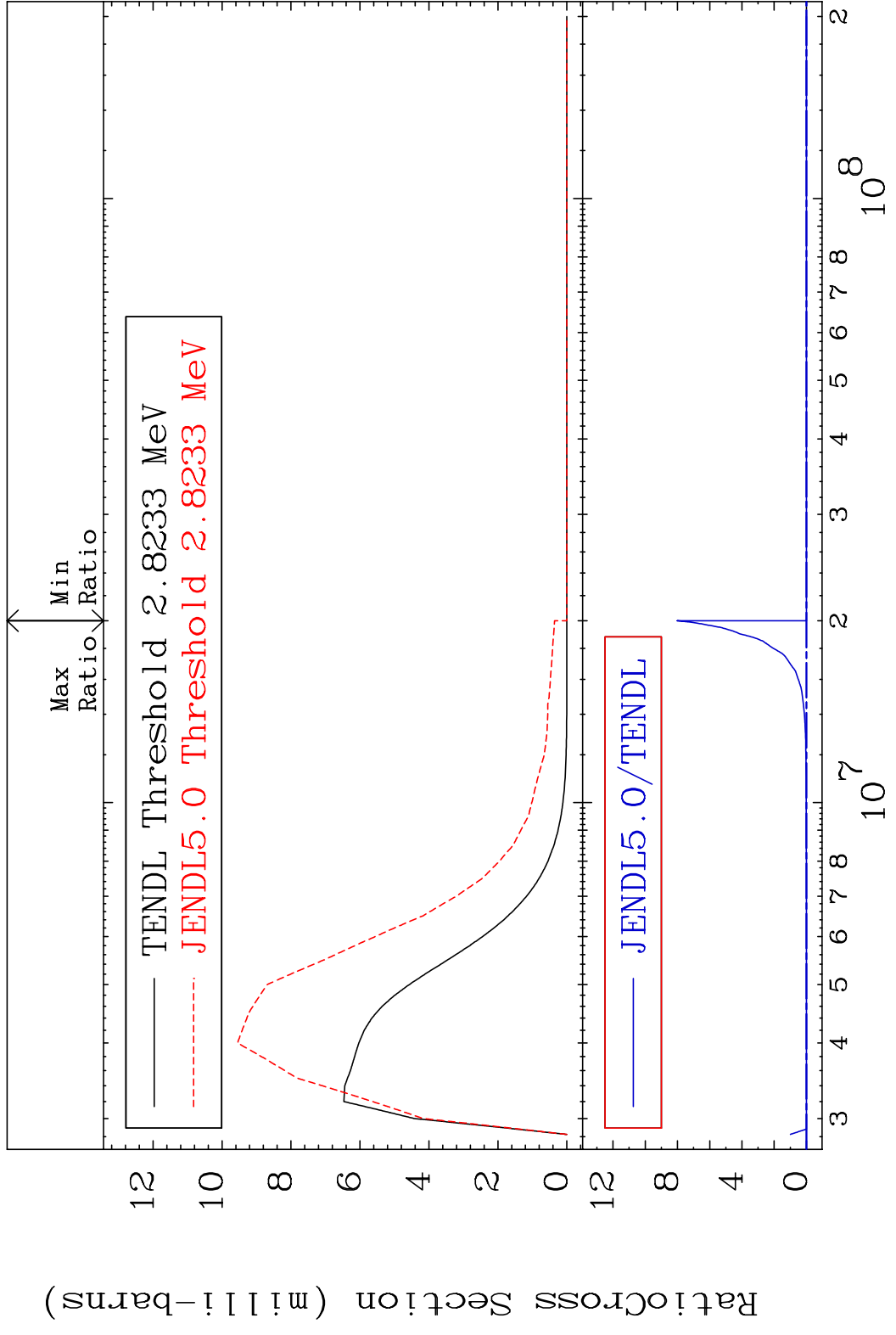




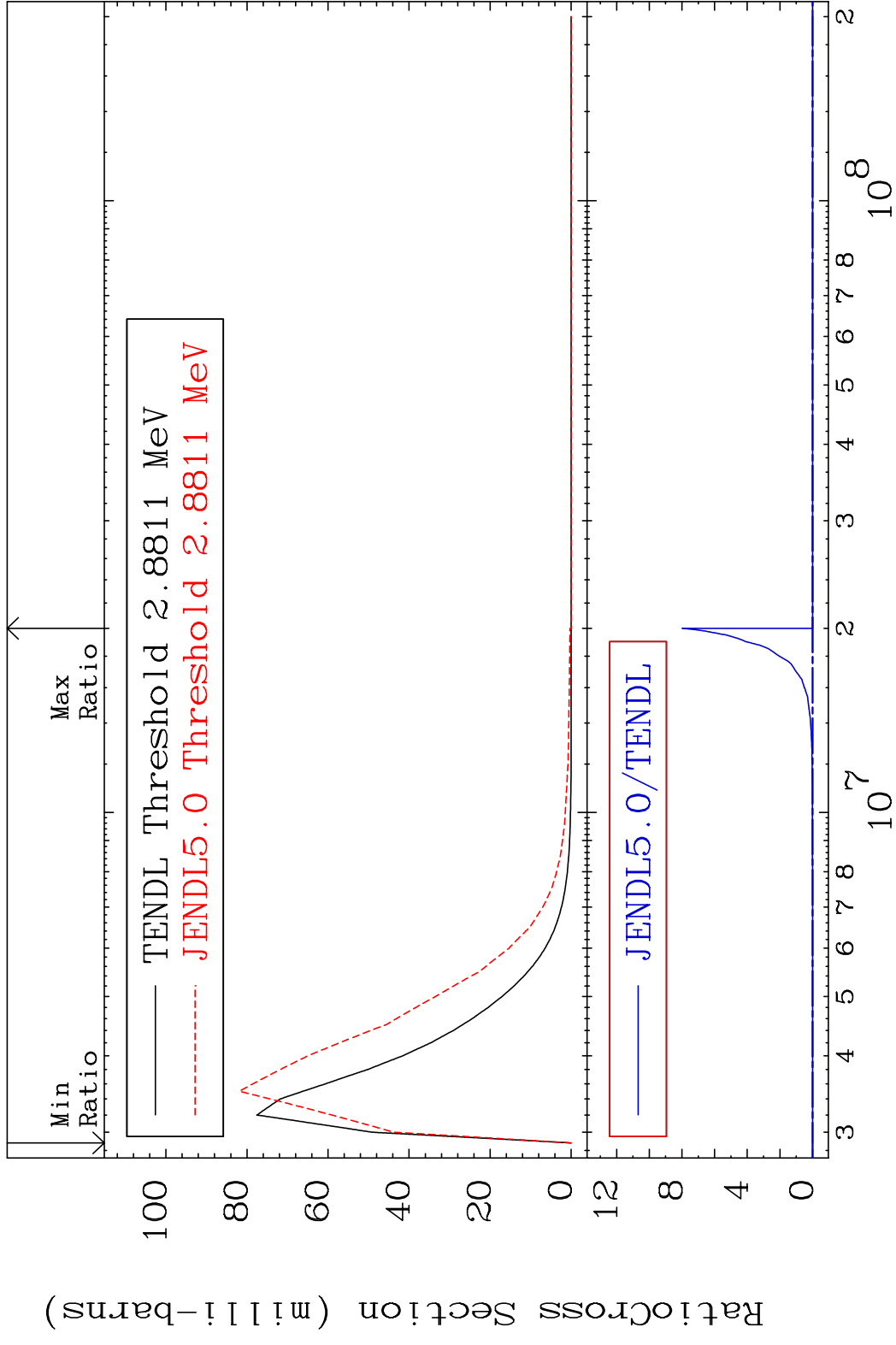
MAT 4425 MT= 66 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 93.75 %



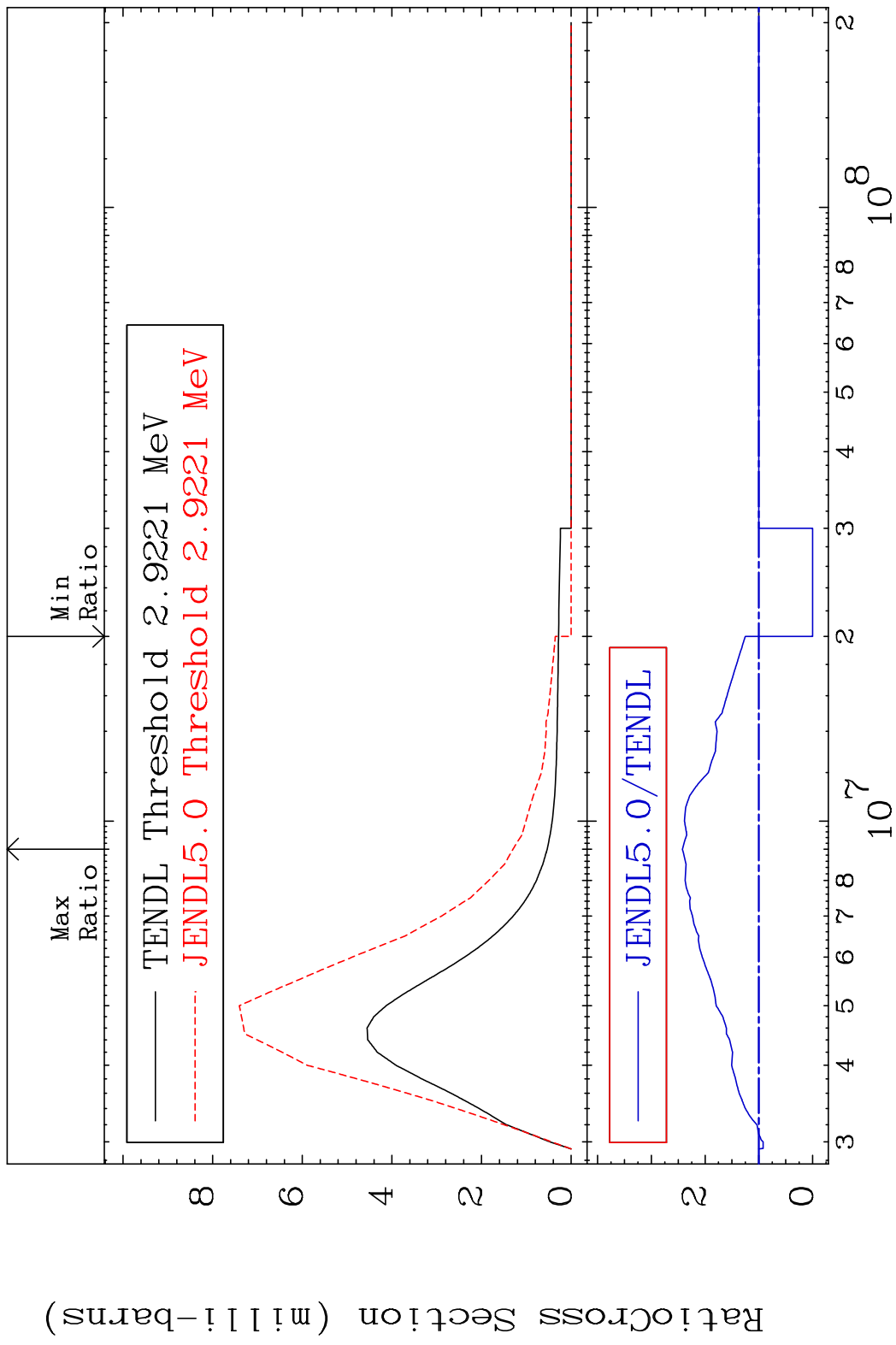
MAT 4425 MT= 67 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 9999. %



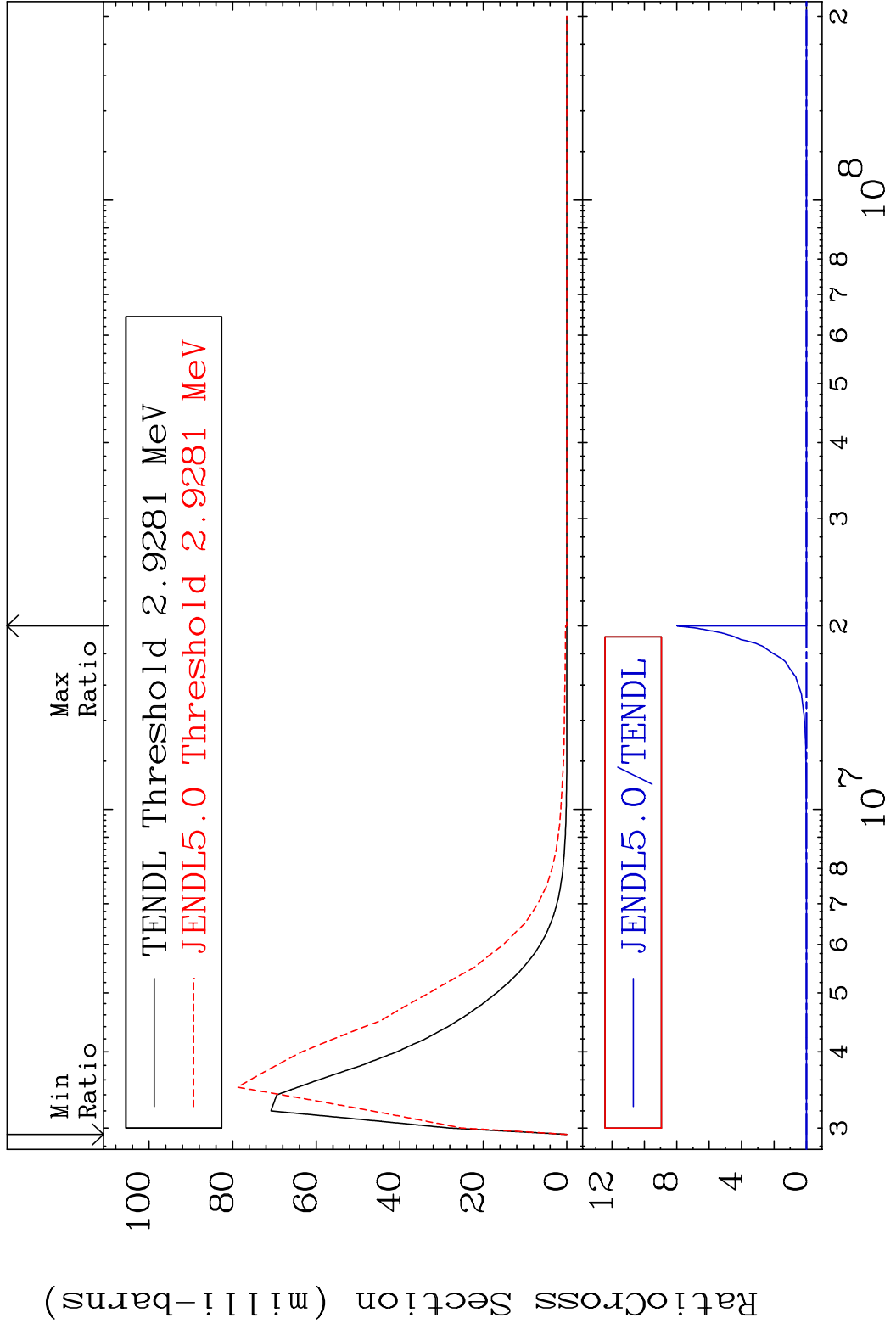
MAT 4425 MT= 68 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 9999. %



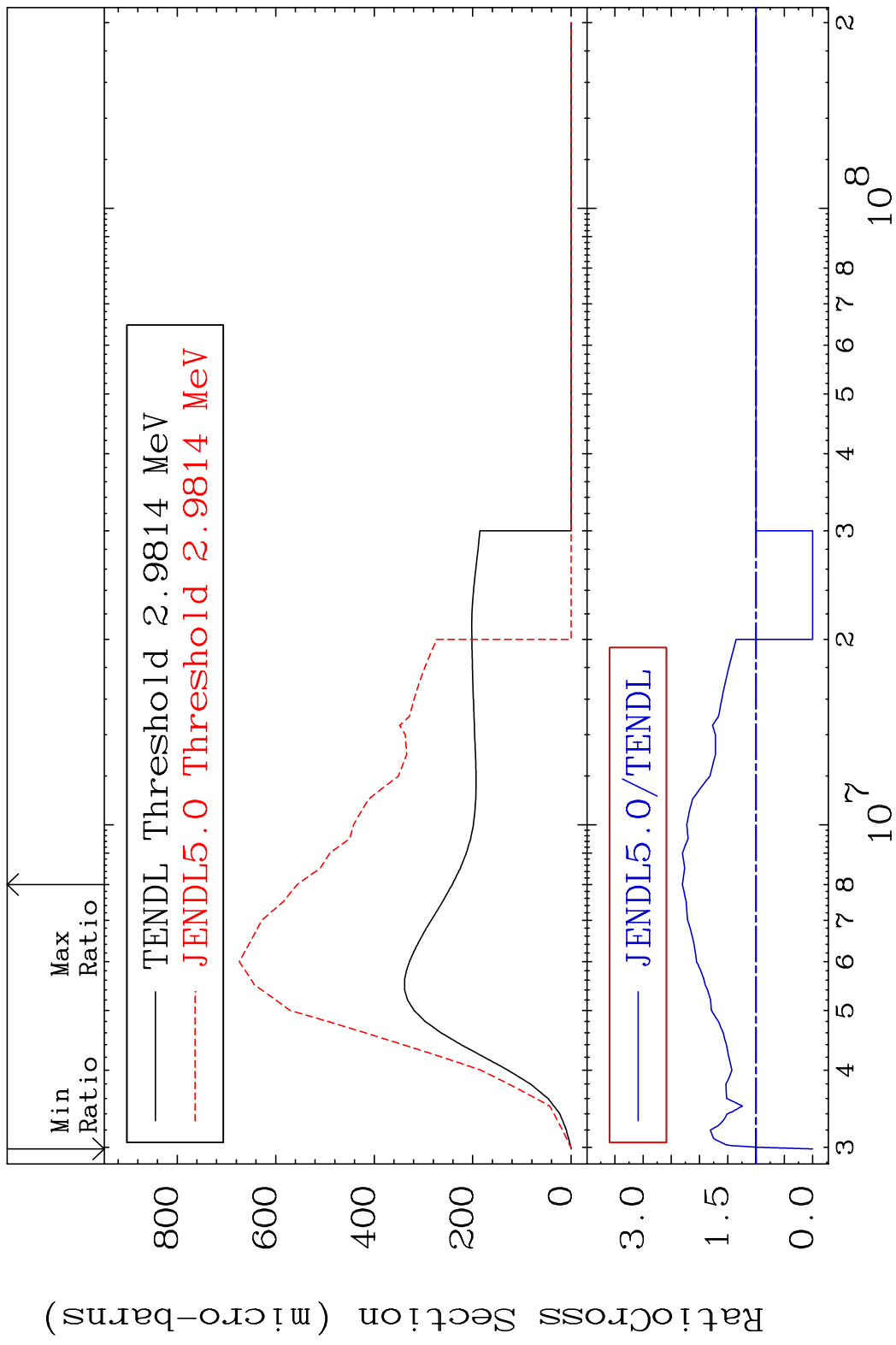
MAT 4425 MT= 69 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 142.3 %



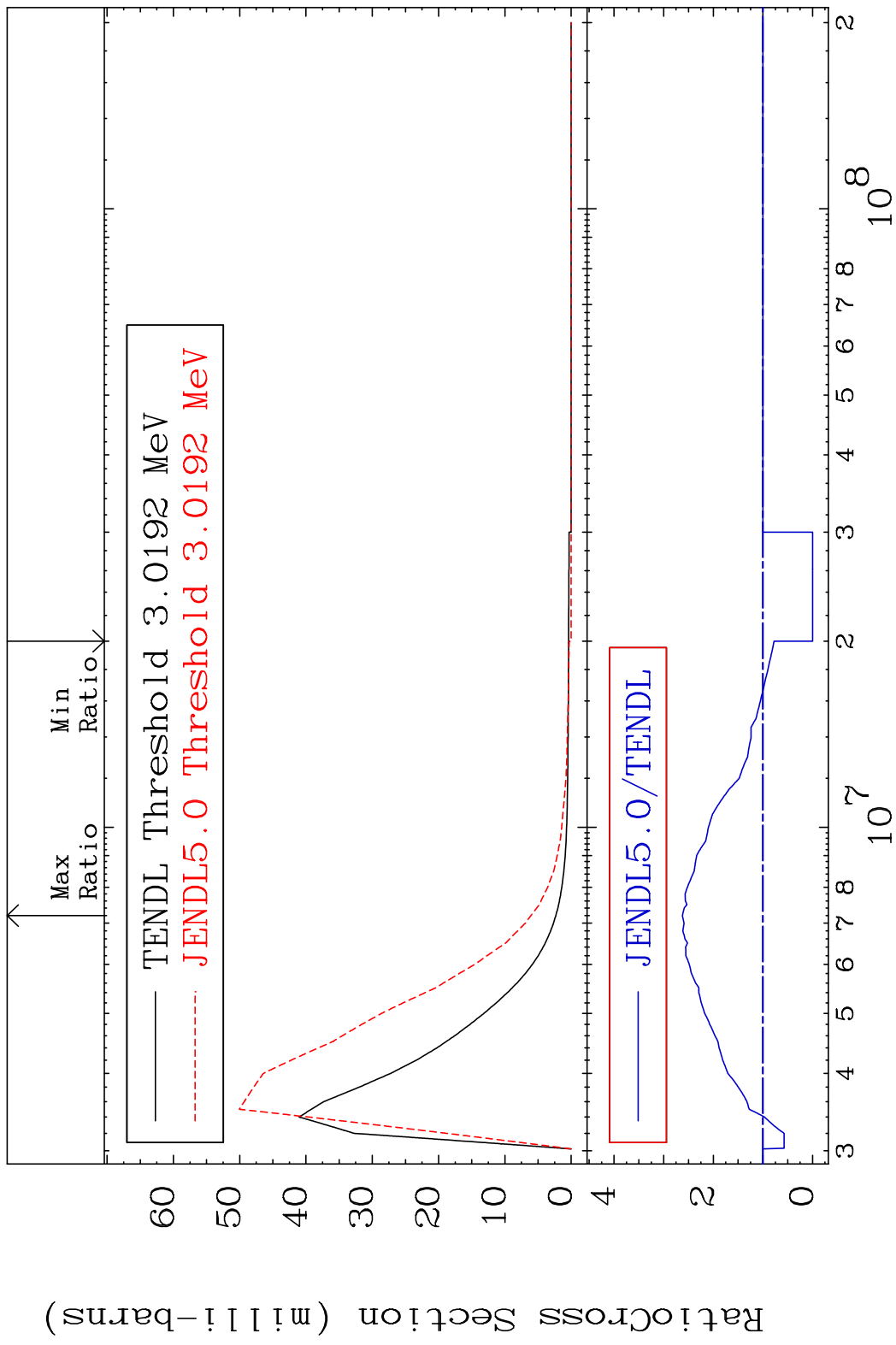
MAT 4425 MT= 70 (n,n') Level 44-Ru-96  
 Cross Section -100.0 To 9999. %



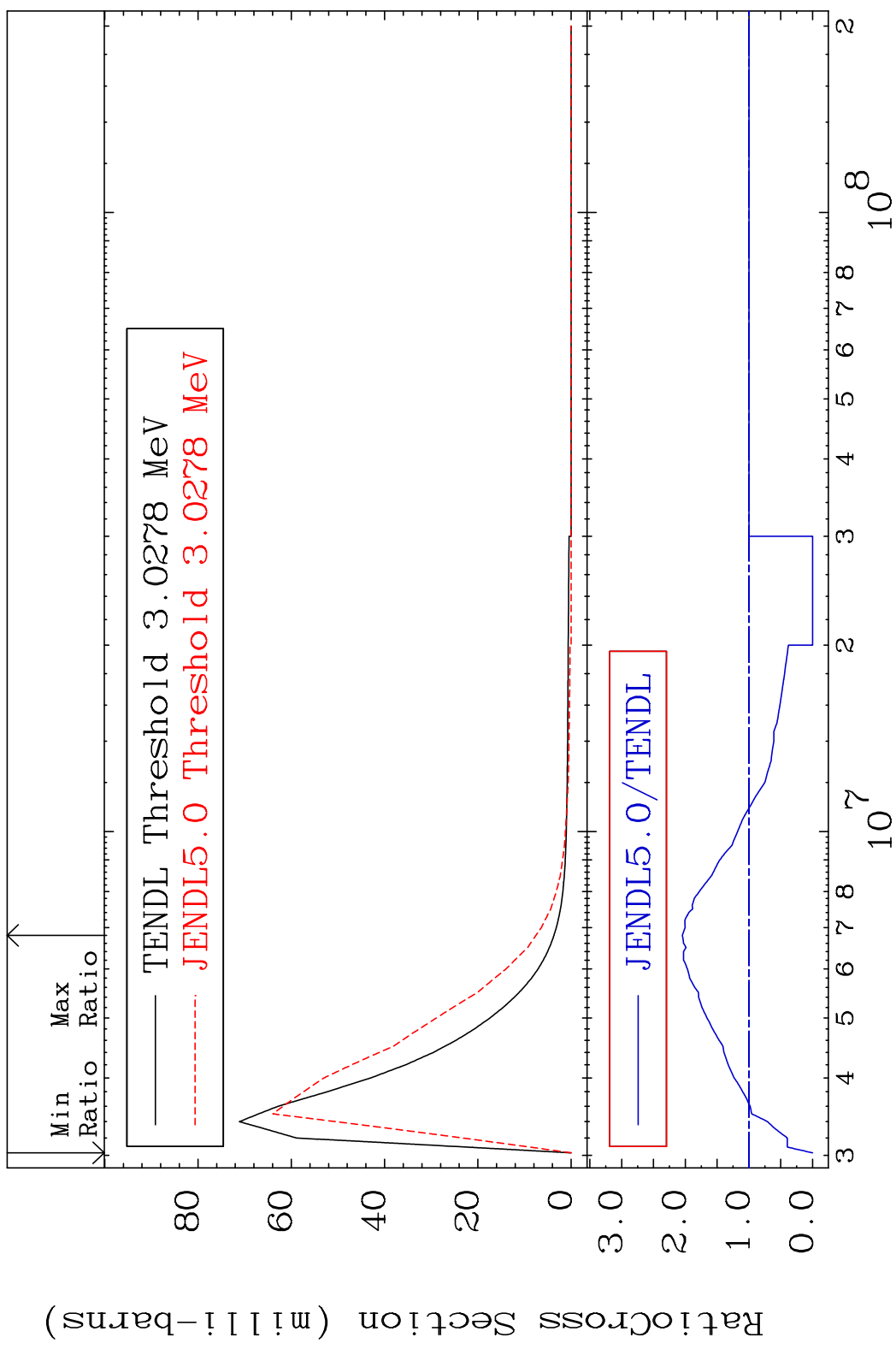
MAT 4425 MT= 71 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 130.4 %



MAT 4425 MT= 72 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 162.4 %

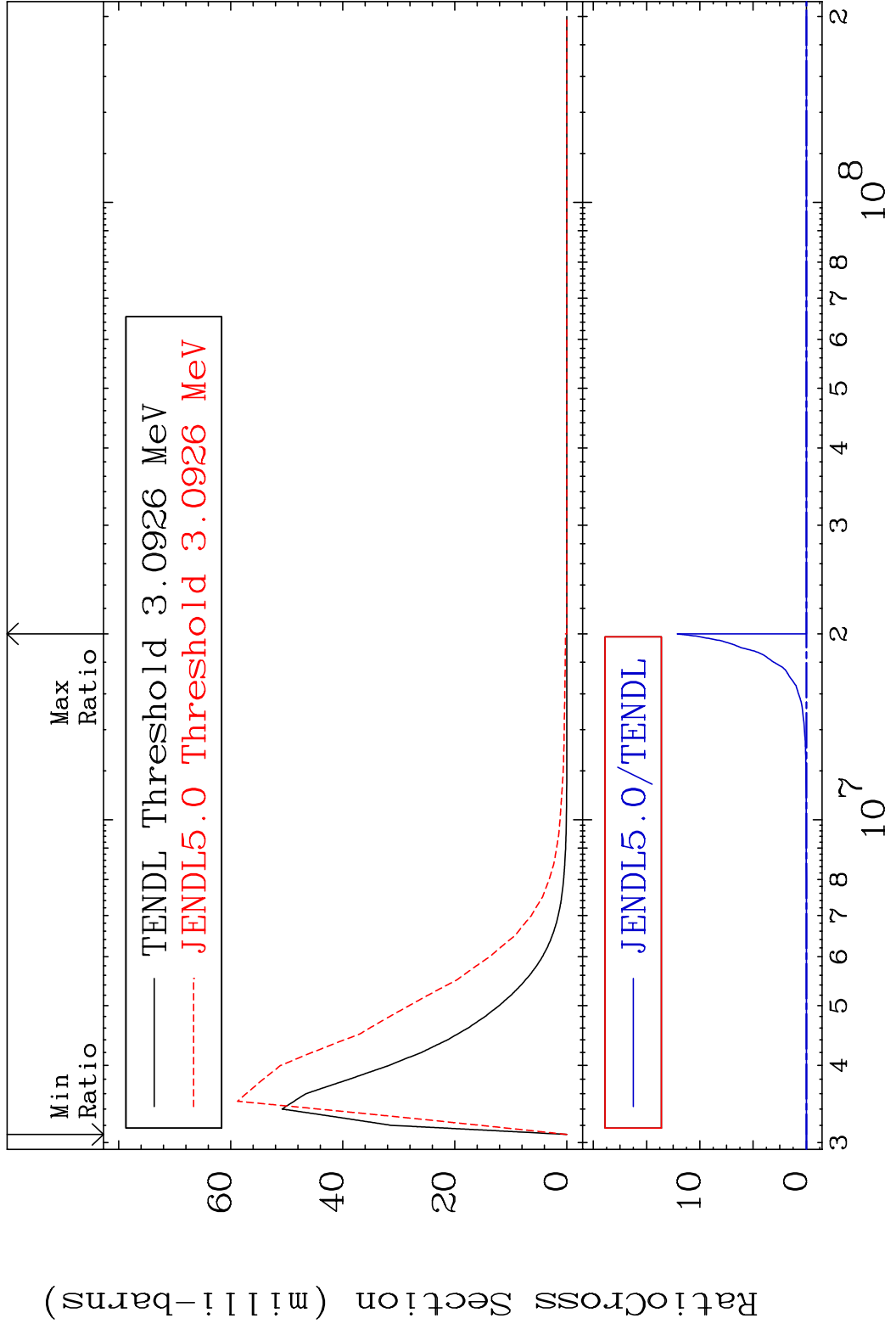


MAT 4425 MT= 73 (n,n') Level 44-Ru-96  
 Cross Section -100.0 To 104.7 %

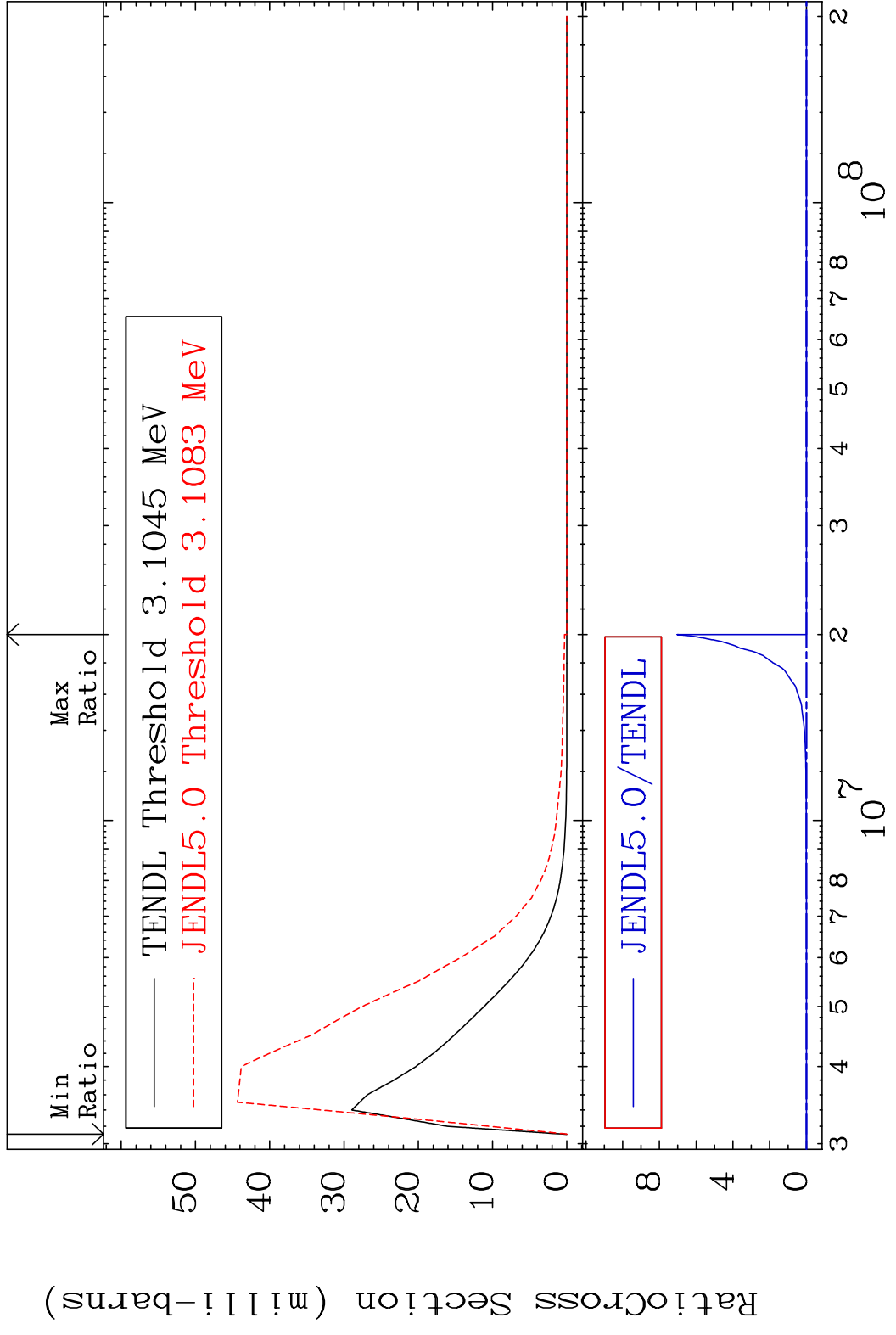




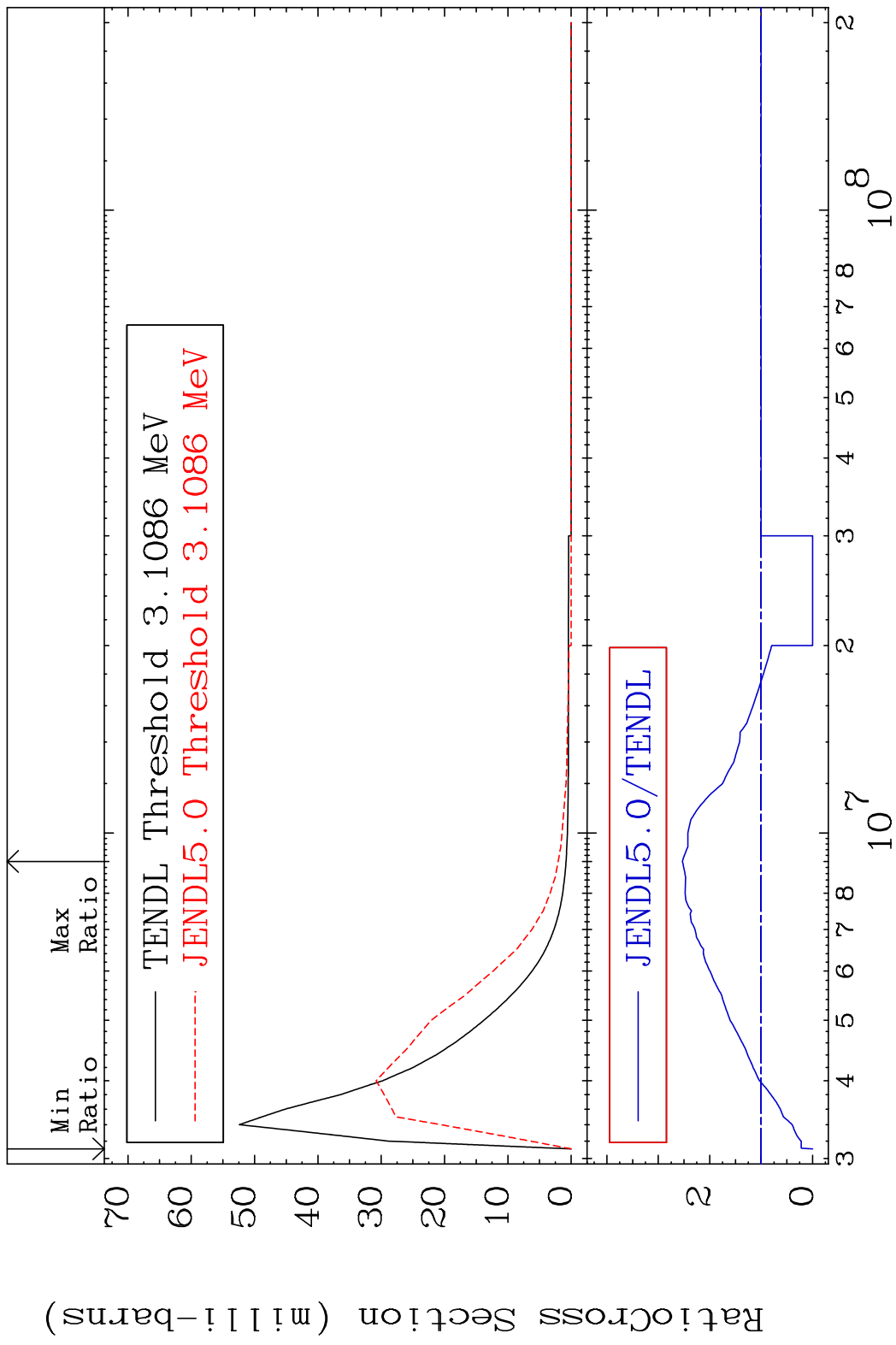
MAT 4425 MT= 74 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 9999. %



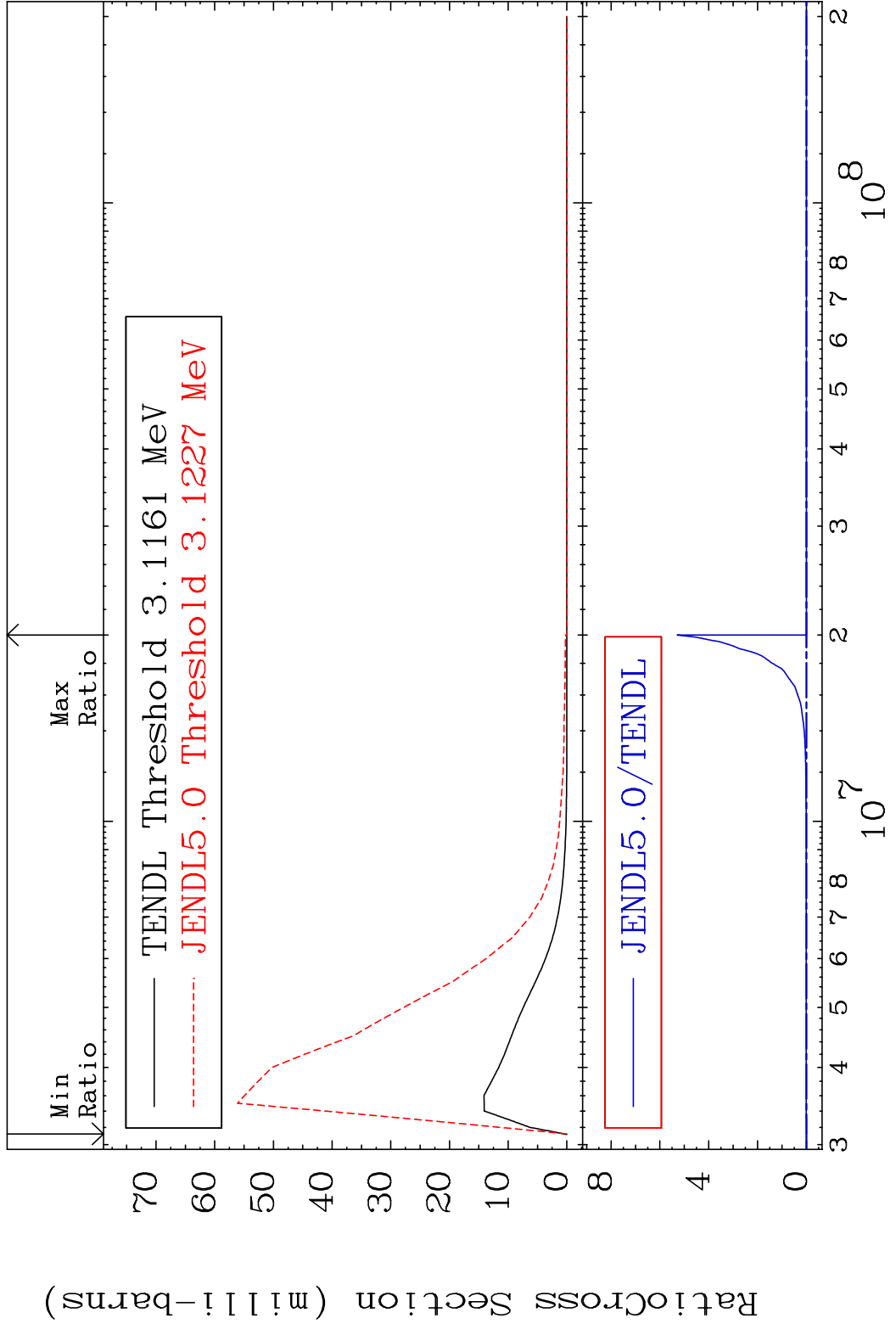
MAT 4425 MT= 75 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 9999. %



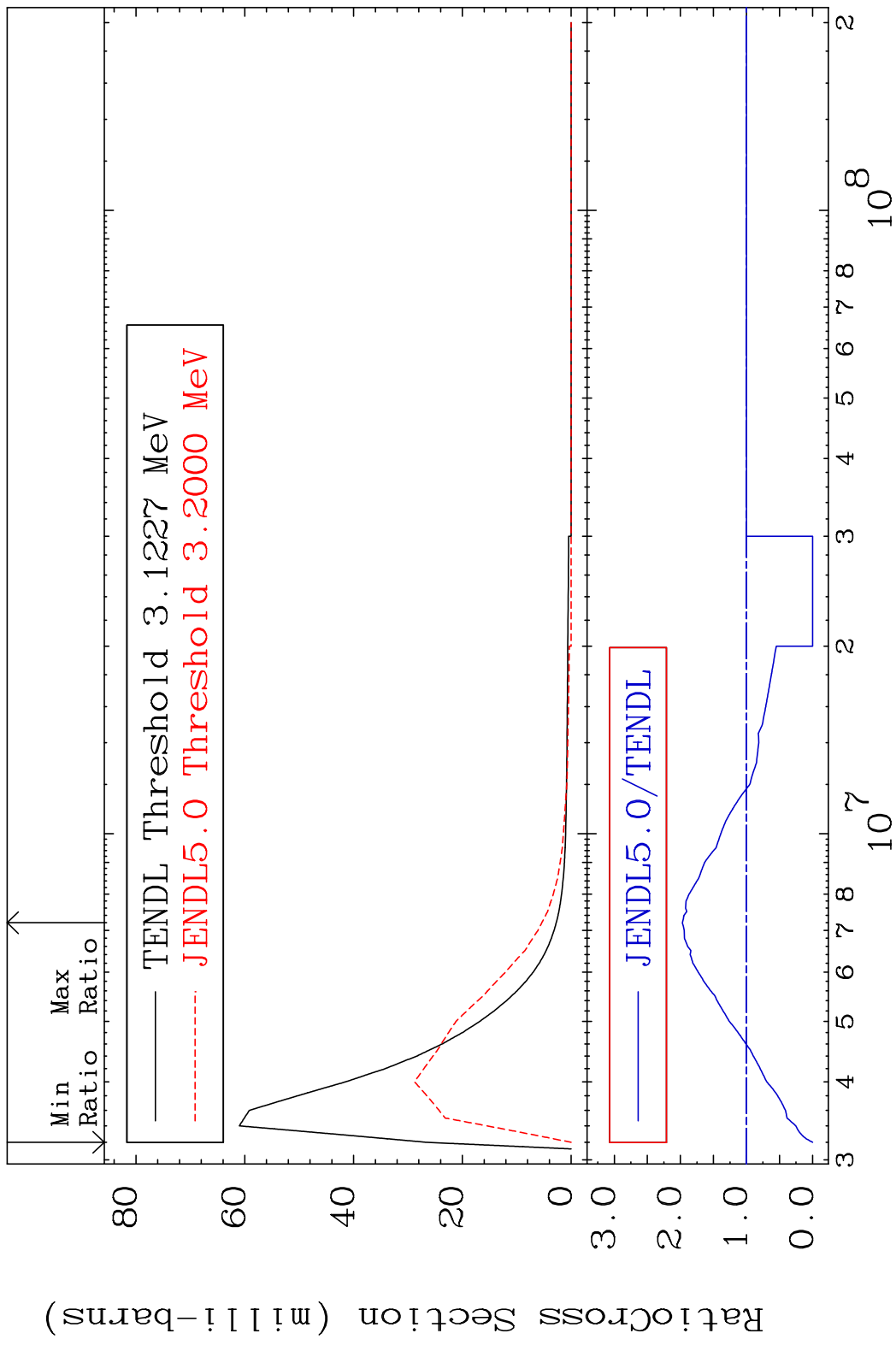
MAT 4425 MT= 76 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 153.2 %



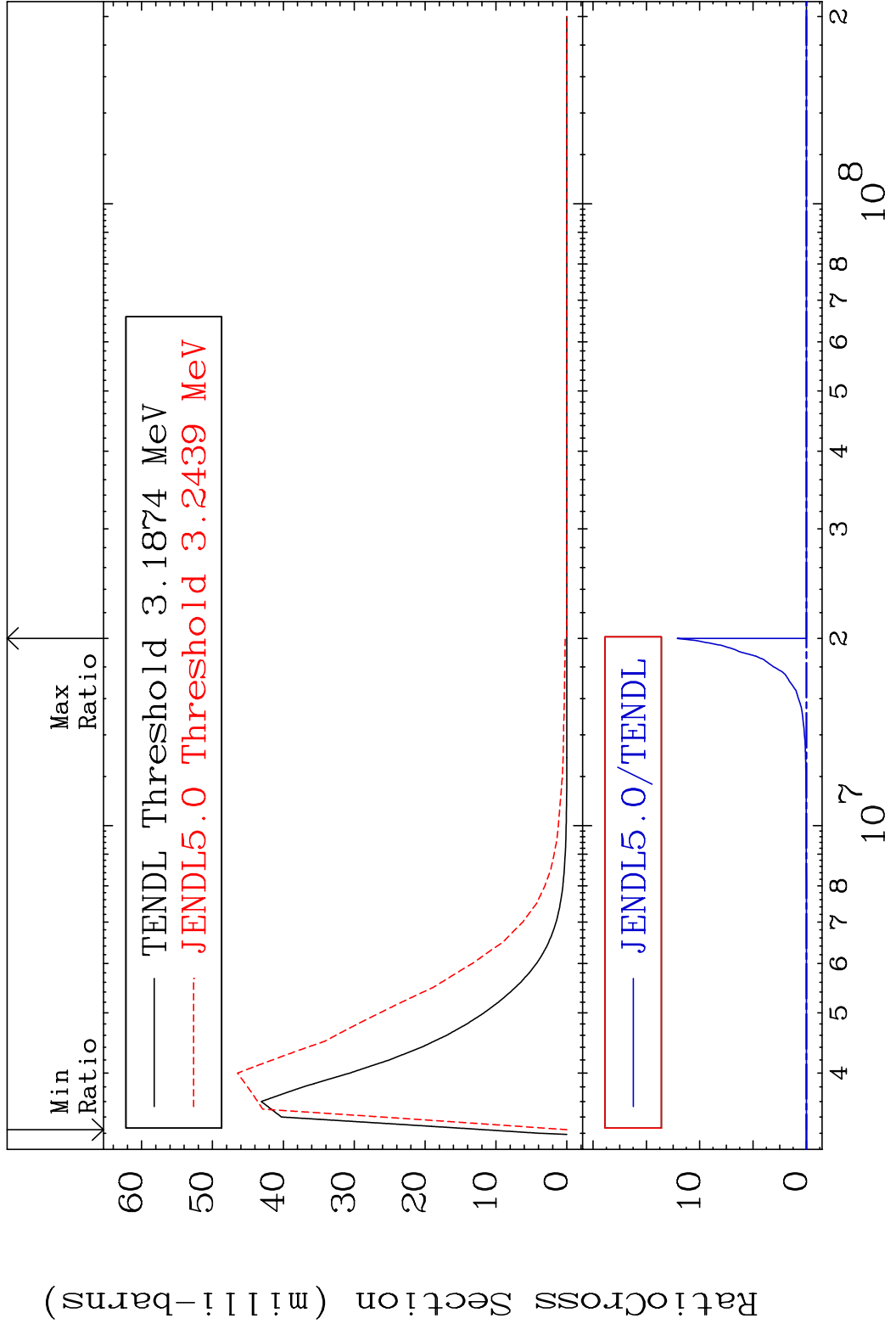
MAT 4425 MT= 77 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 9999. %



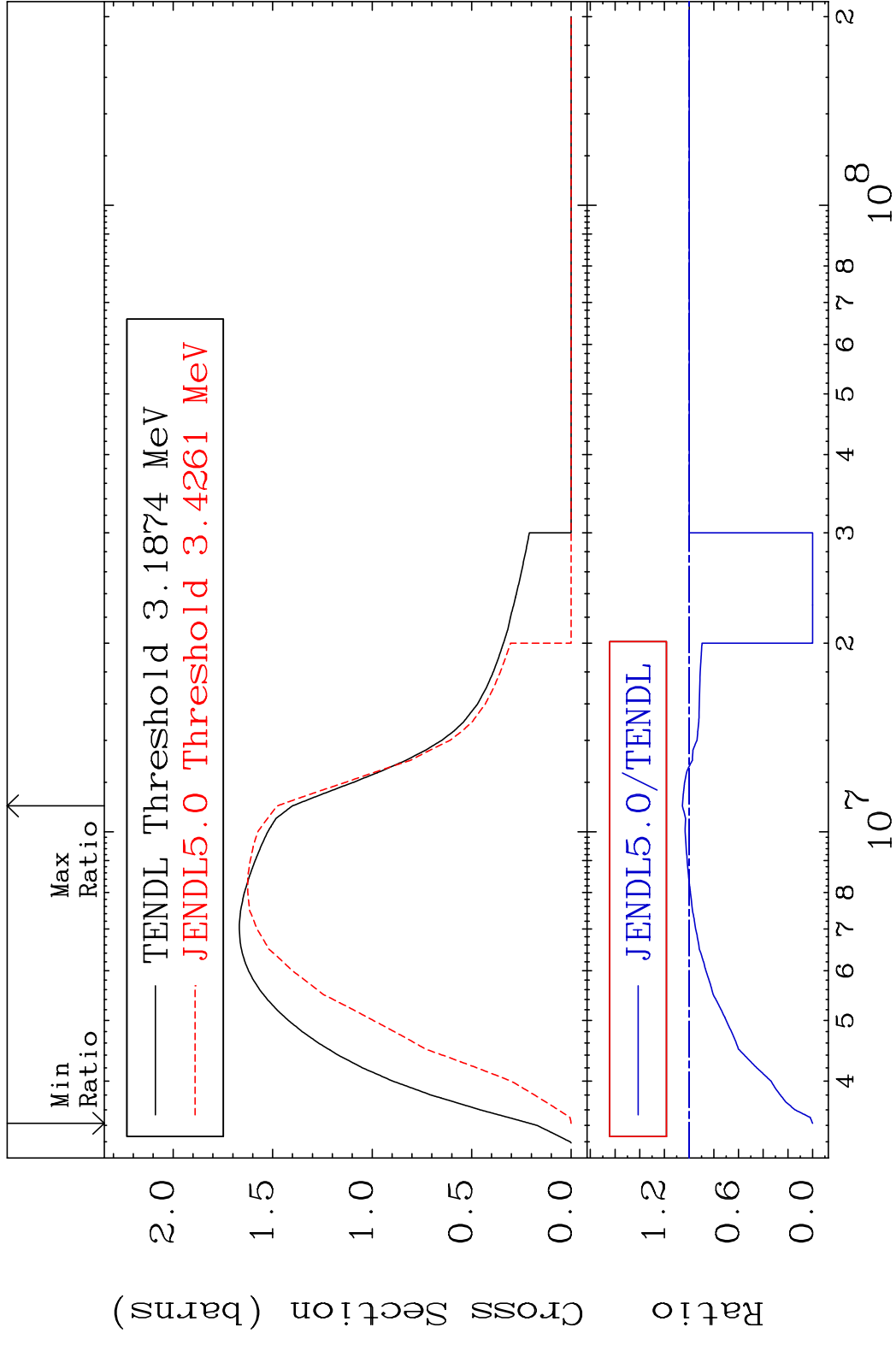
MAT 4425 MT= 78 (n,n') Level 44-Ru-96  
 Cross Section -100.0 To 97.07 %



MAT 4425 MT= 79 (n, n') Level 44-Ru-96  
 Cross Section -100.0 To 9999. %



MAT 4425 (n,n') Continuum 44-Ru-96  
 Cross Section -100.0 To 5.480 %

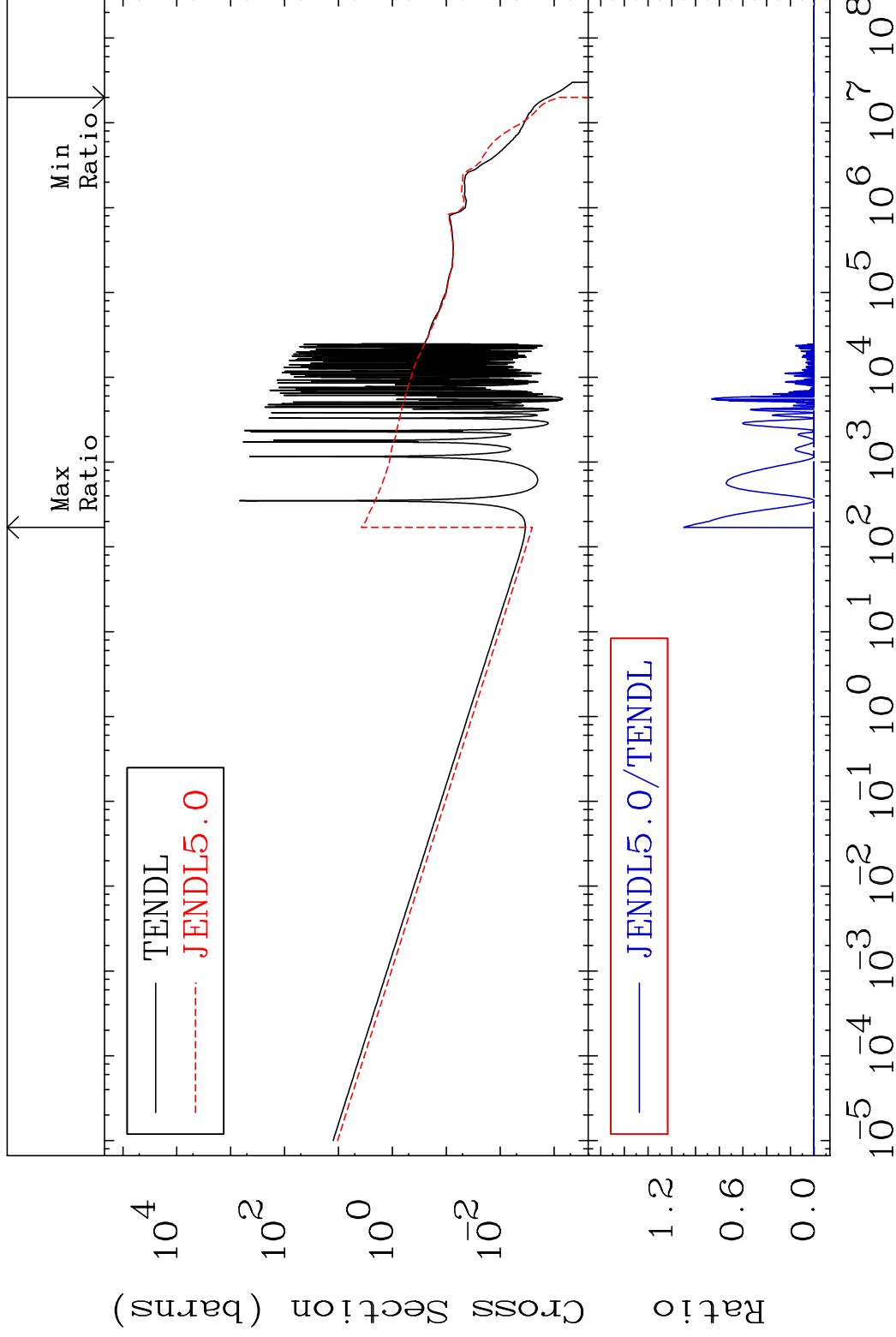


MAT 4425

(n,  $\gamma$ )

44-Ru-96

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

44-Ru-96

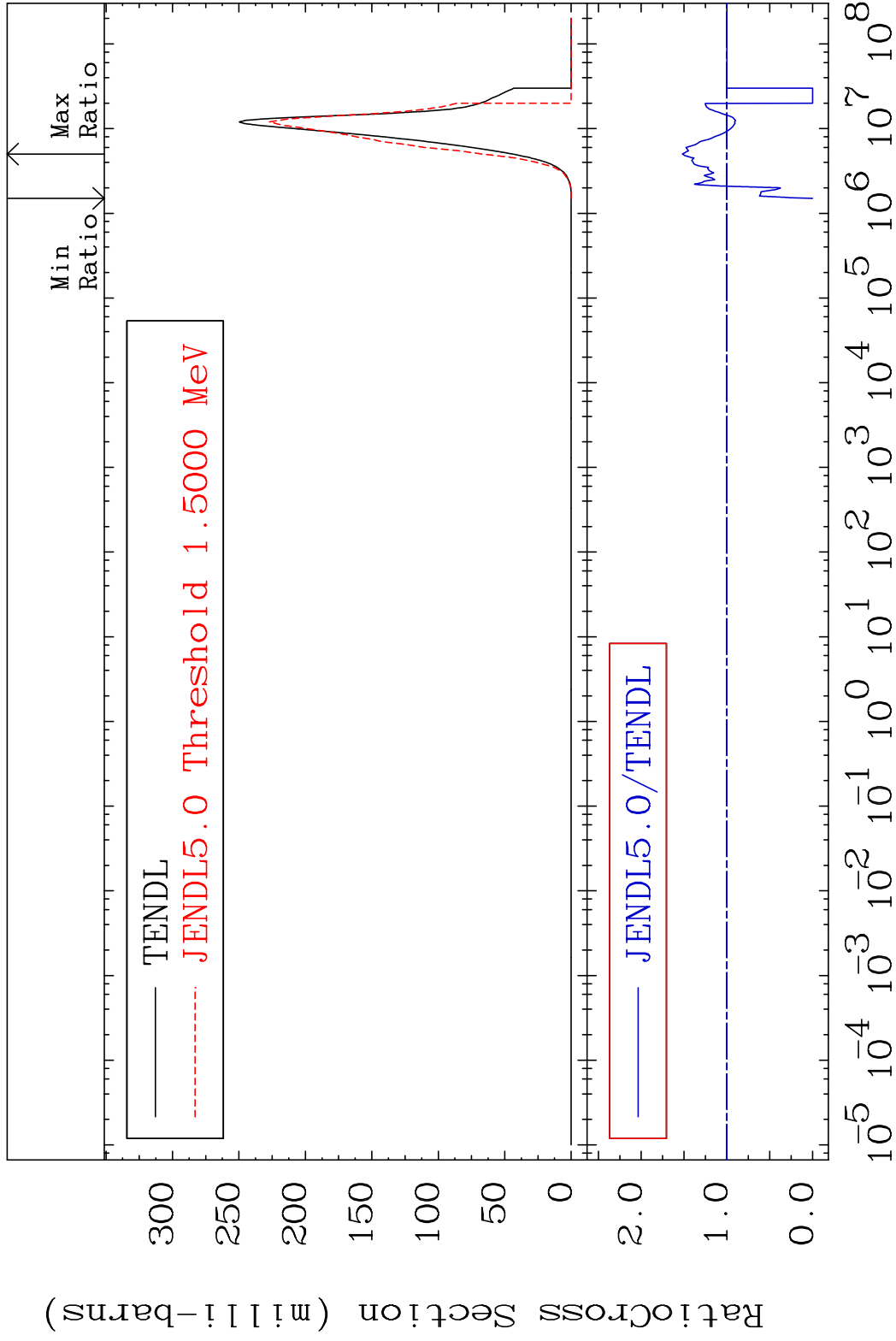


MAT 4425

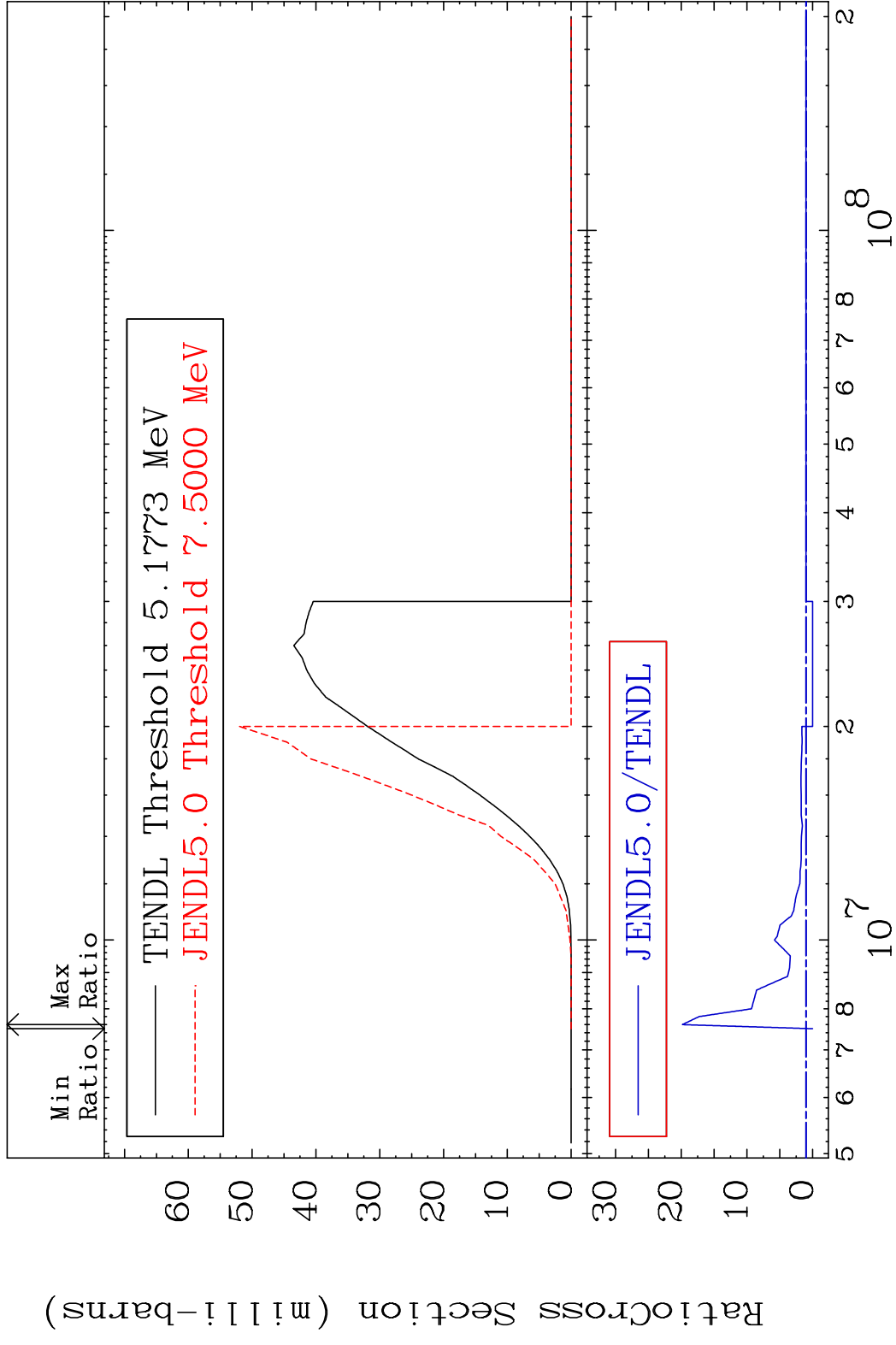
(n, p)

44-Ru-96

Cross Section -100.0 To 51.98 %



MAT 4425 (n,d) 44-Ru-96  
 Cross Section -100.0 To 1883. %

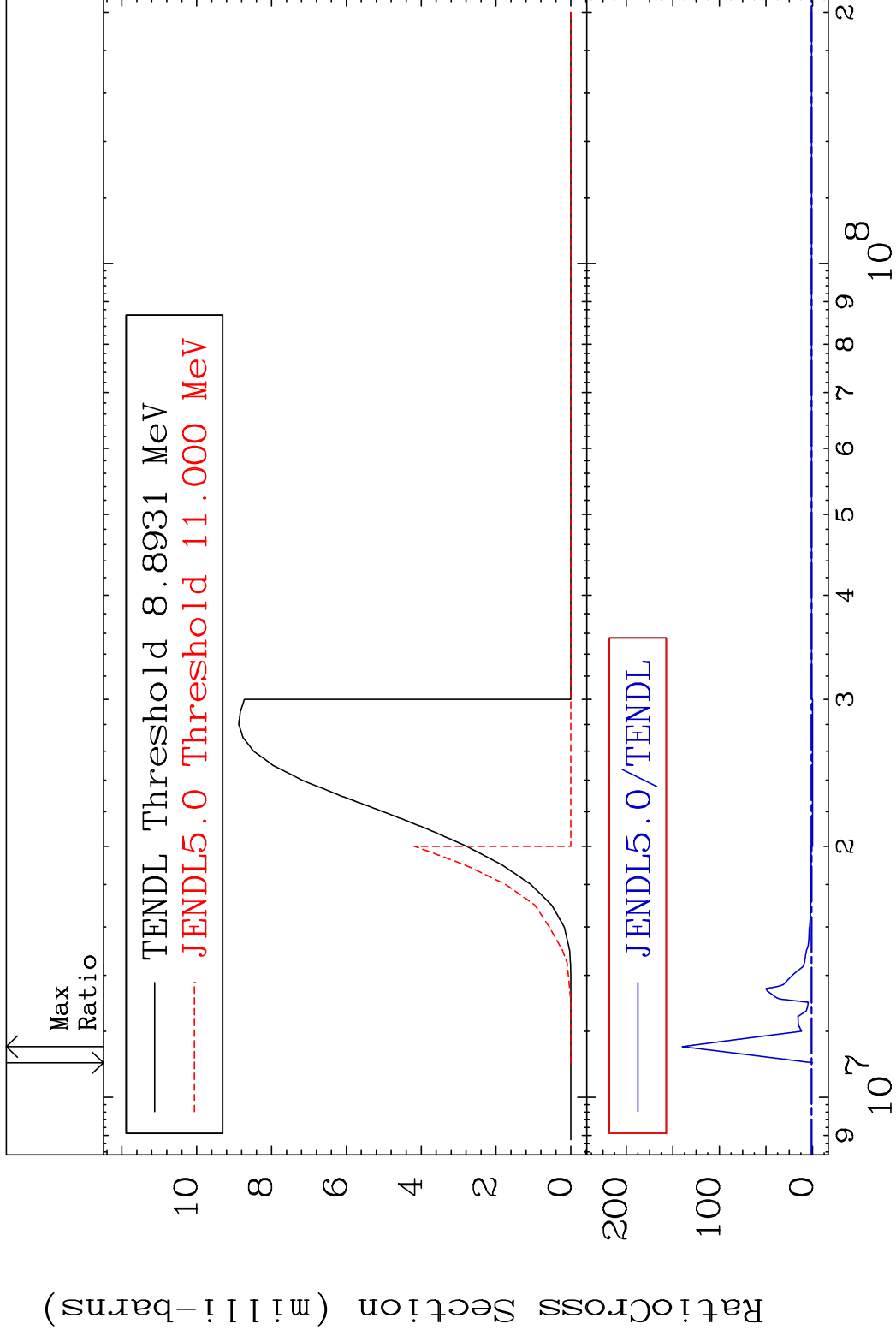


MAT 4425

(n, t)

44-Ru-96

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

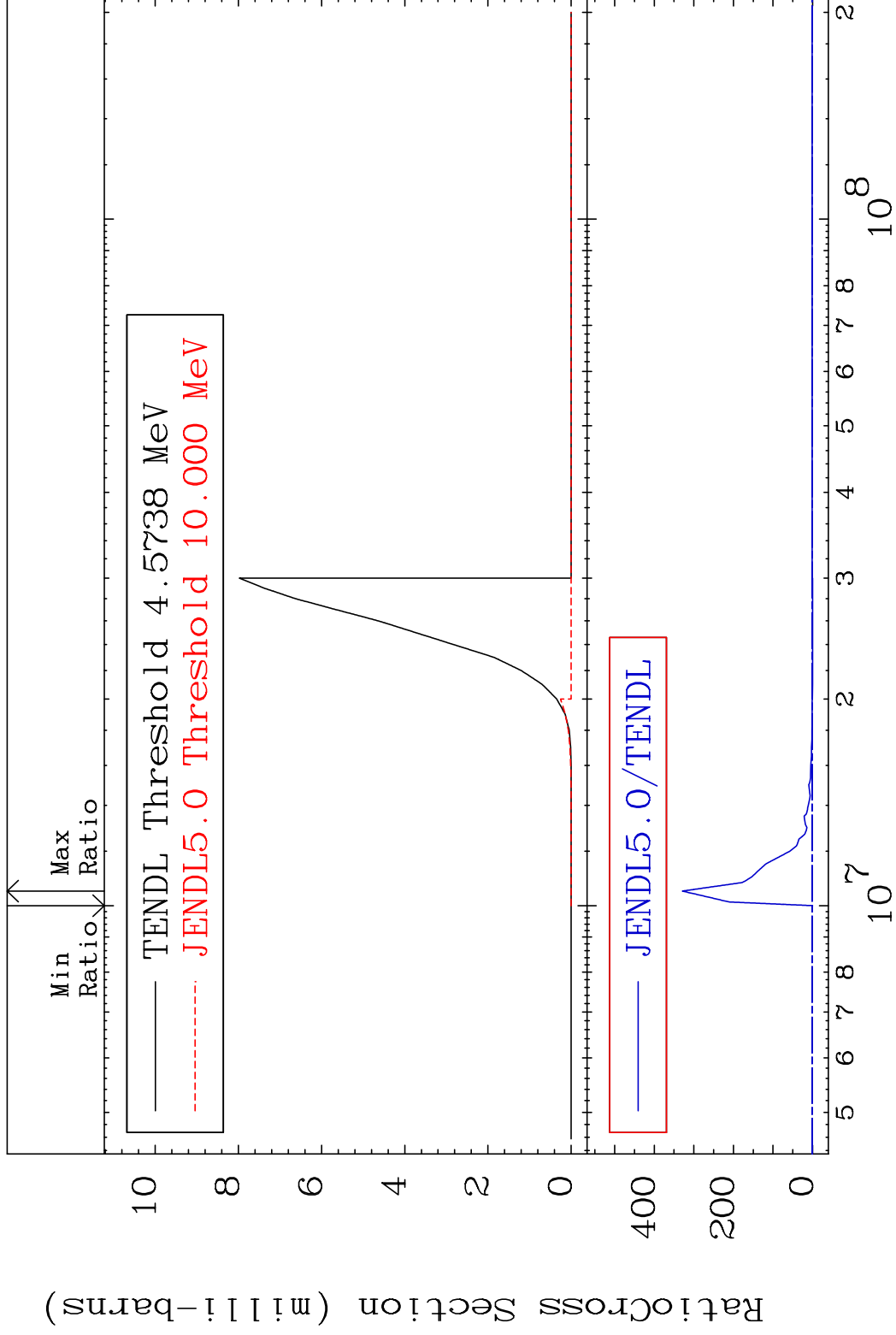
44-Ru-96

MAT 4425

(n, He-3)

44-Ru-96

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

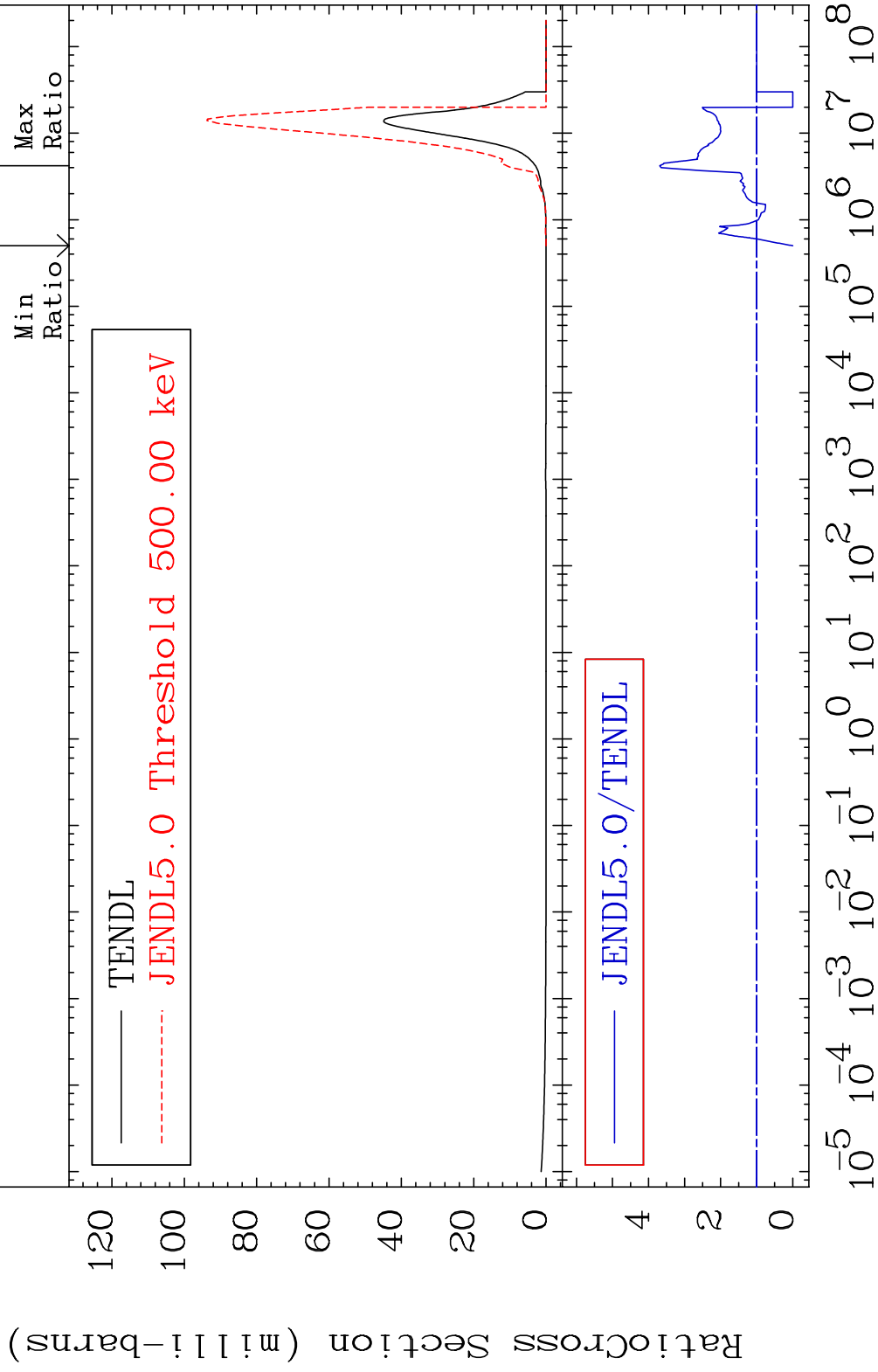
44-Ru-96

MAT 4425

(n,  $\alpha$ )

44-Ru-96

Cross Section -100.0 To 269.1 %



44

Incident Energy (eV)

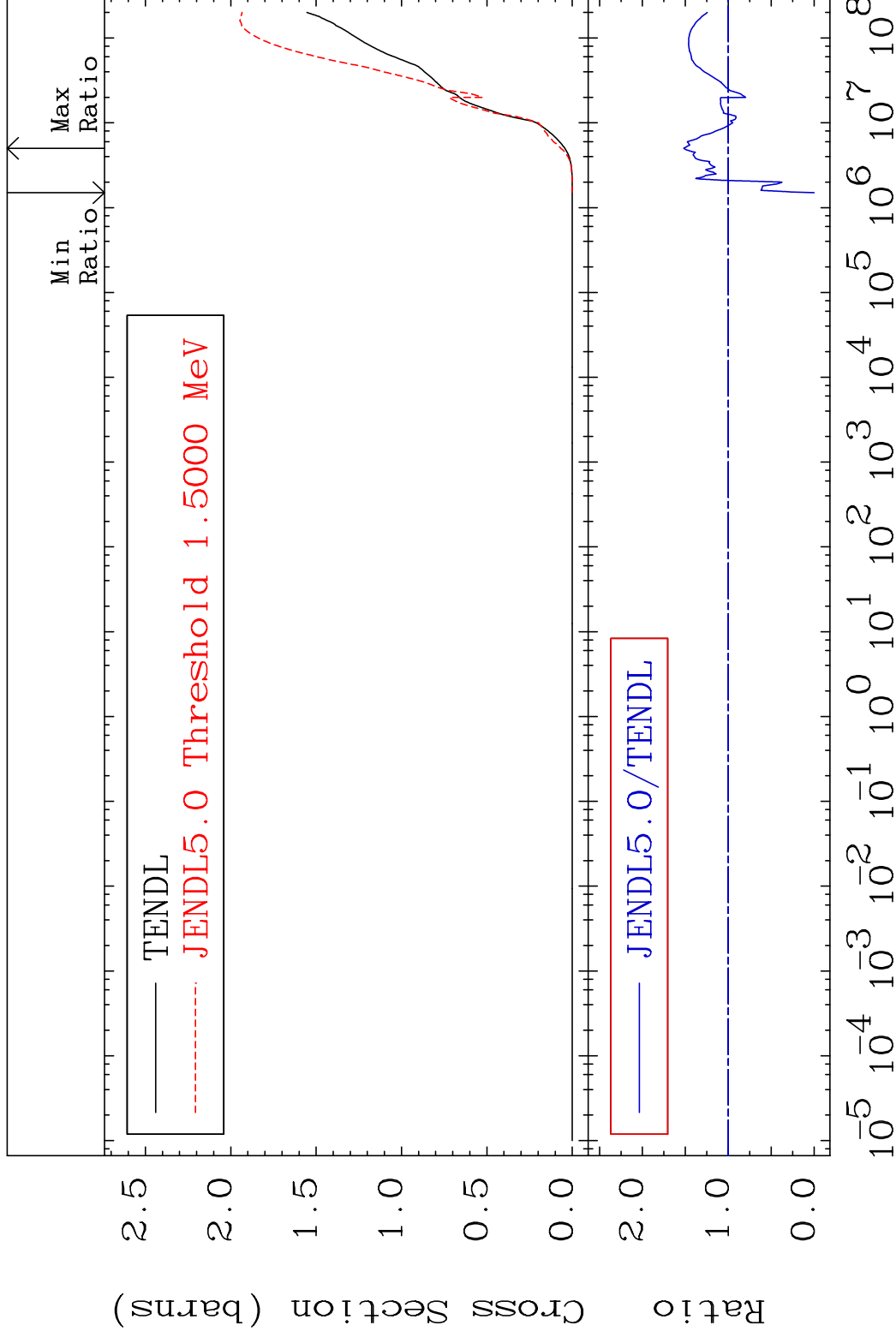
44-Ru-96

MAT 4425

Hydrogen Production

44-Ru-96

Cross Section -100.0 To 51.98 %

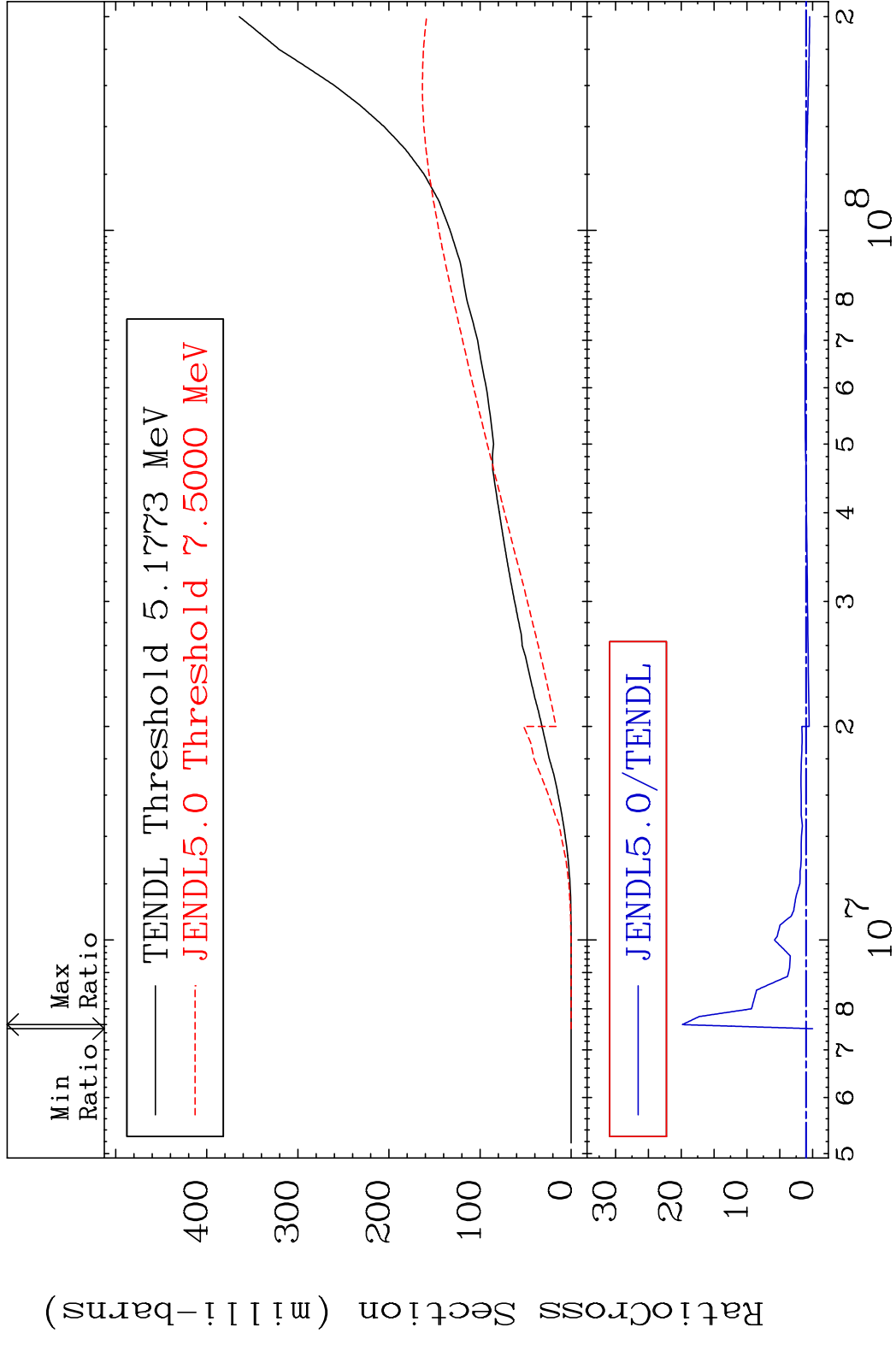


45

Incident Energy (eV)

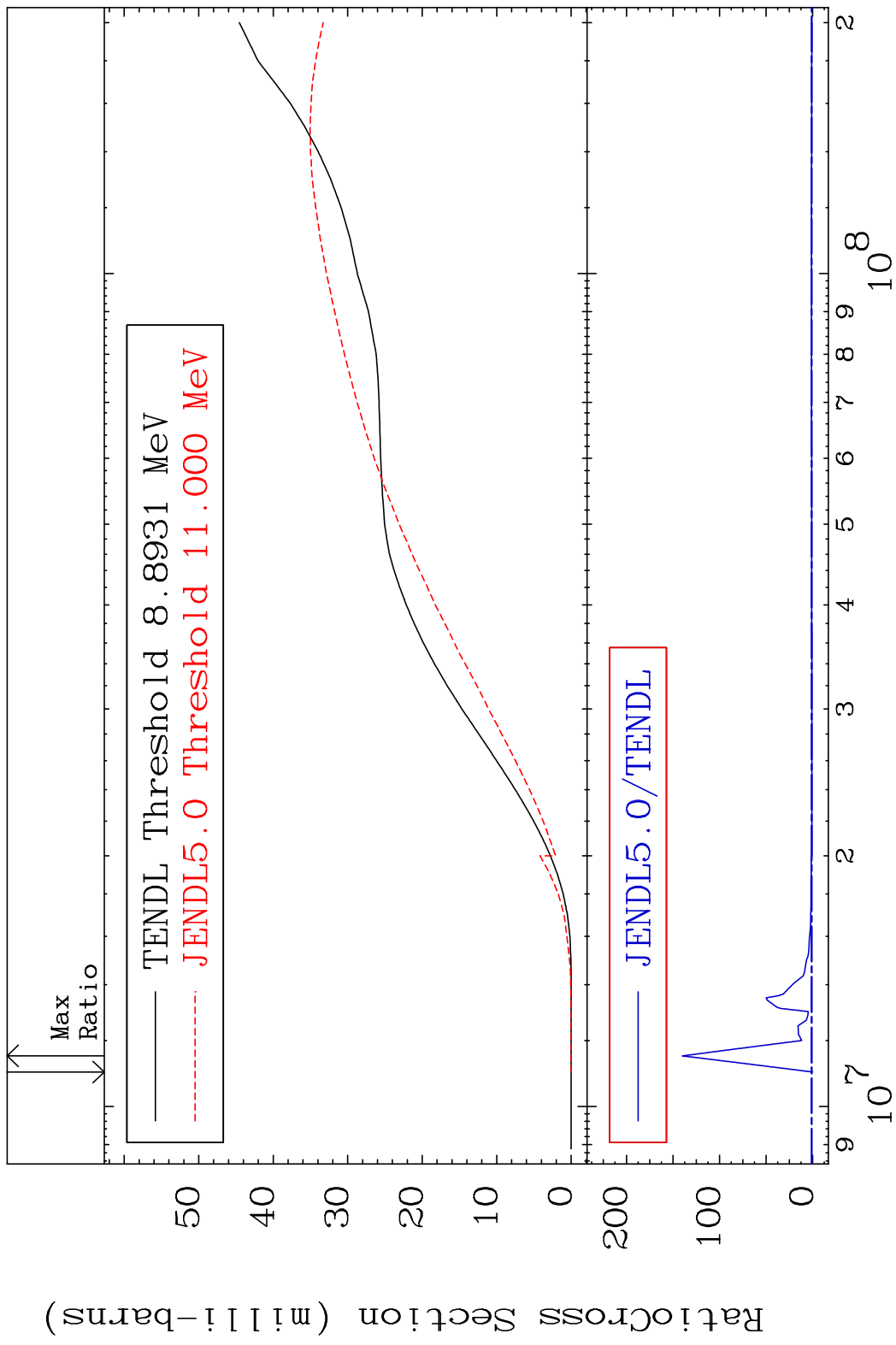
44-Ru-96

MAT 4425 Deuterium Production 44-Ru-96  
 Cross Section -100.0 To 1883. %



46 44-Ru-96

MAT 4425 Tritium Production 44-Ru-96  
 Cross Section -100.0 To 9999. %



47 44-Ru-96

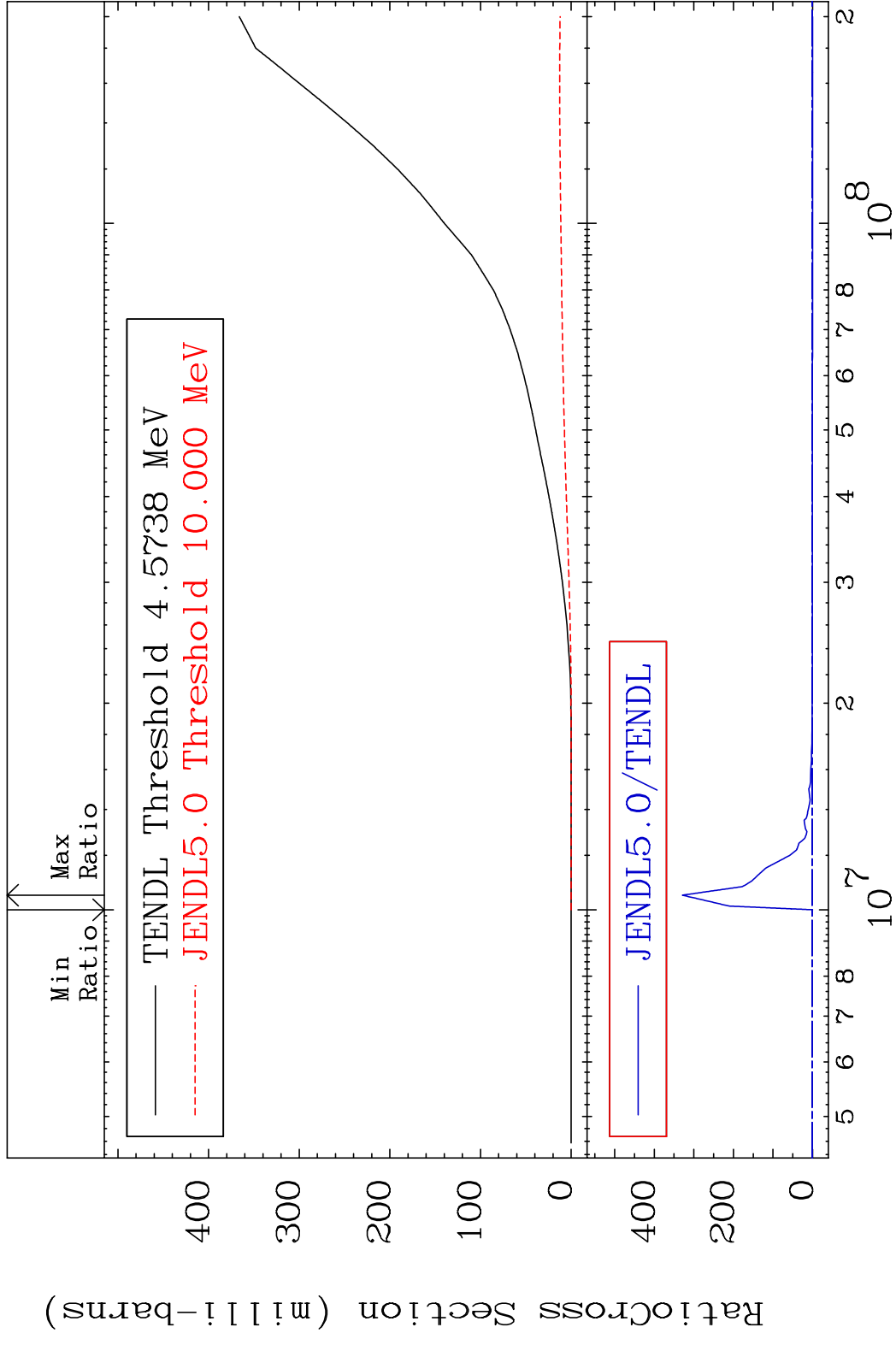


MAT 4425

He-3 Production

44-Ru-96

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

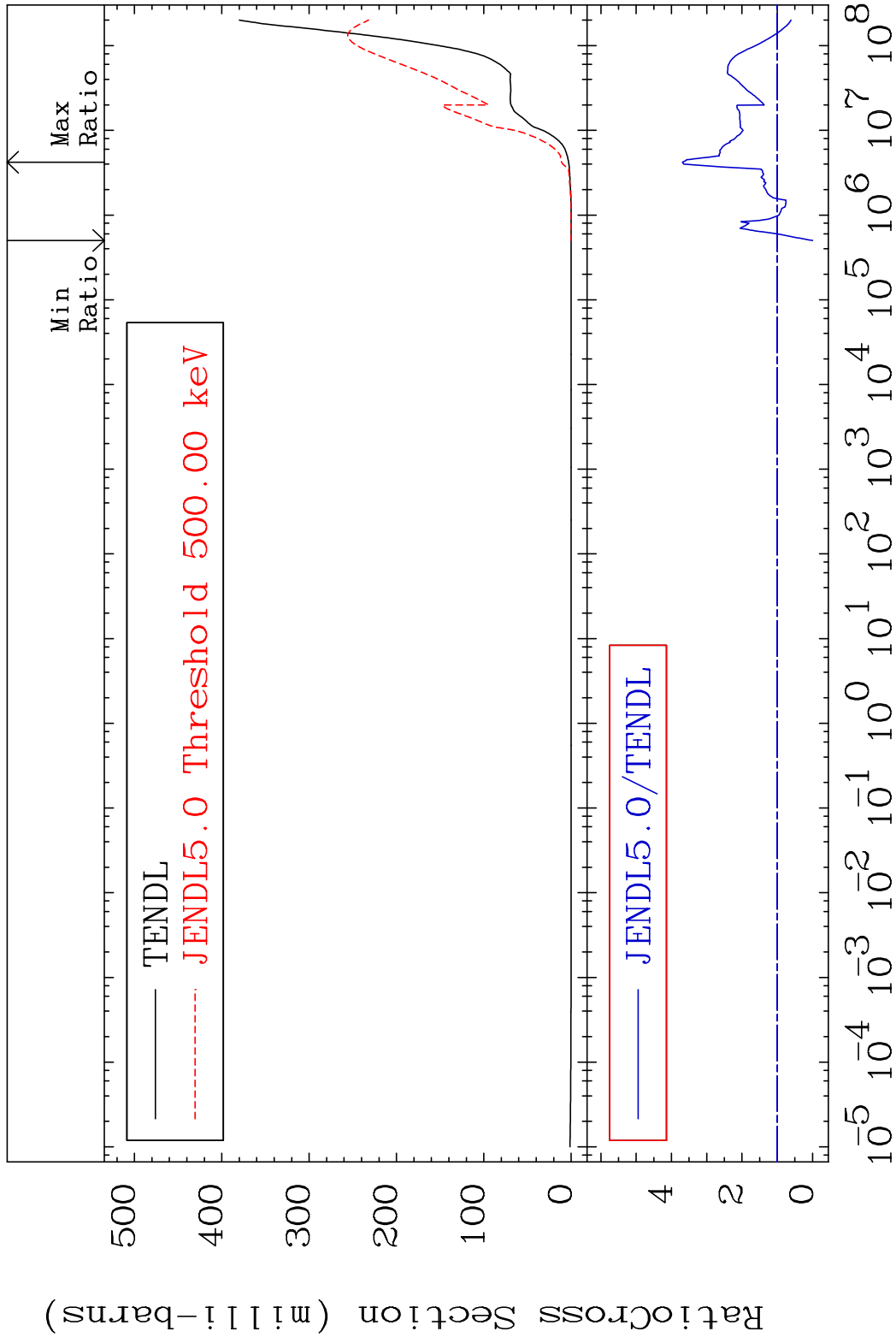
44-Ru-96

MAT 4425

He-4 Production

44-Ru-96

Cross Section -100.0 To 269.1 %

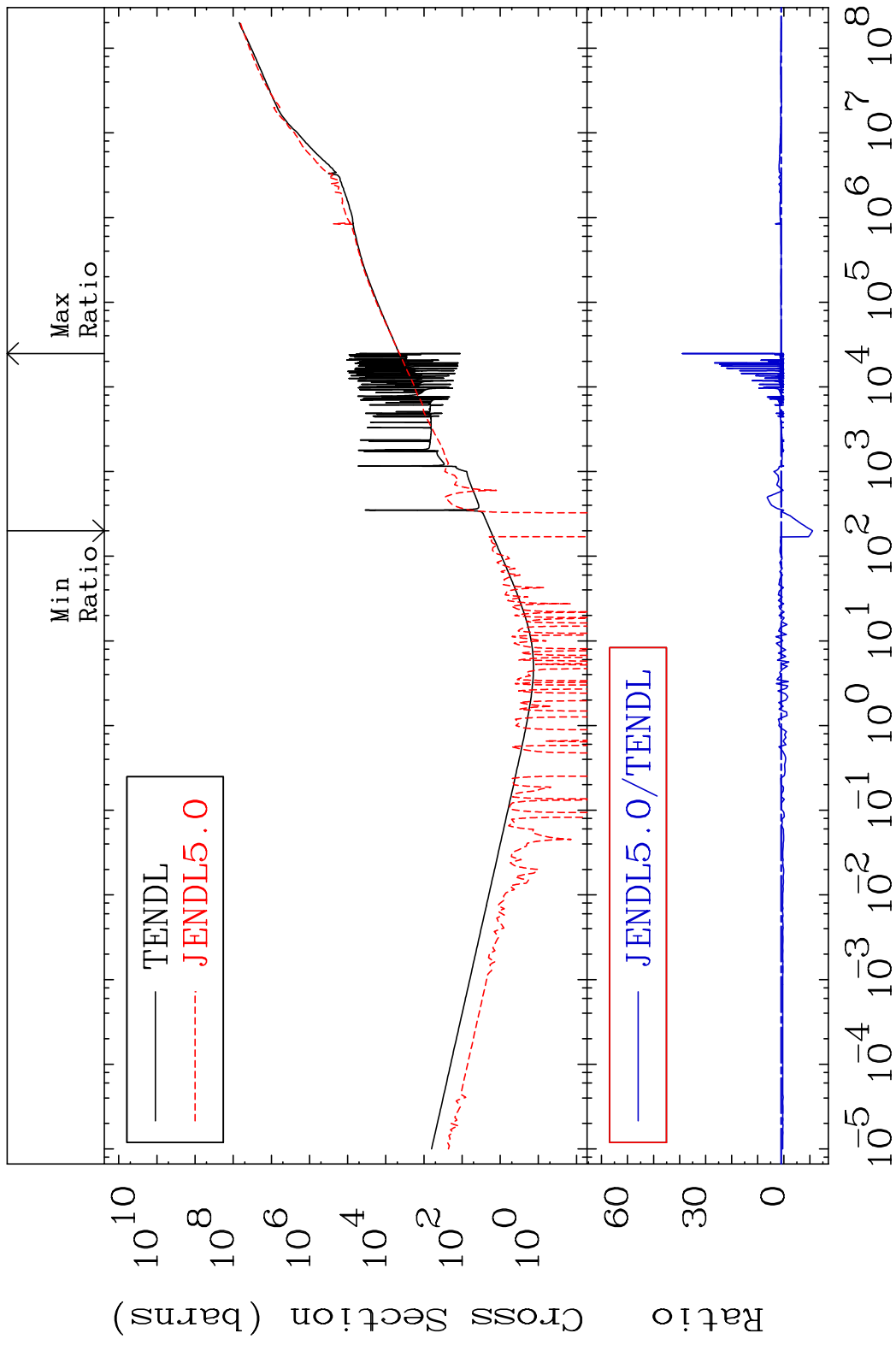


49

Incident Energy (eV)

44-Ru-96

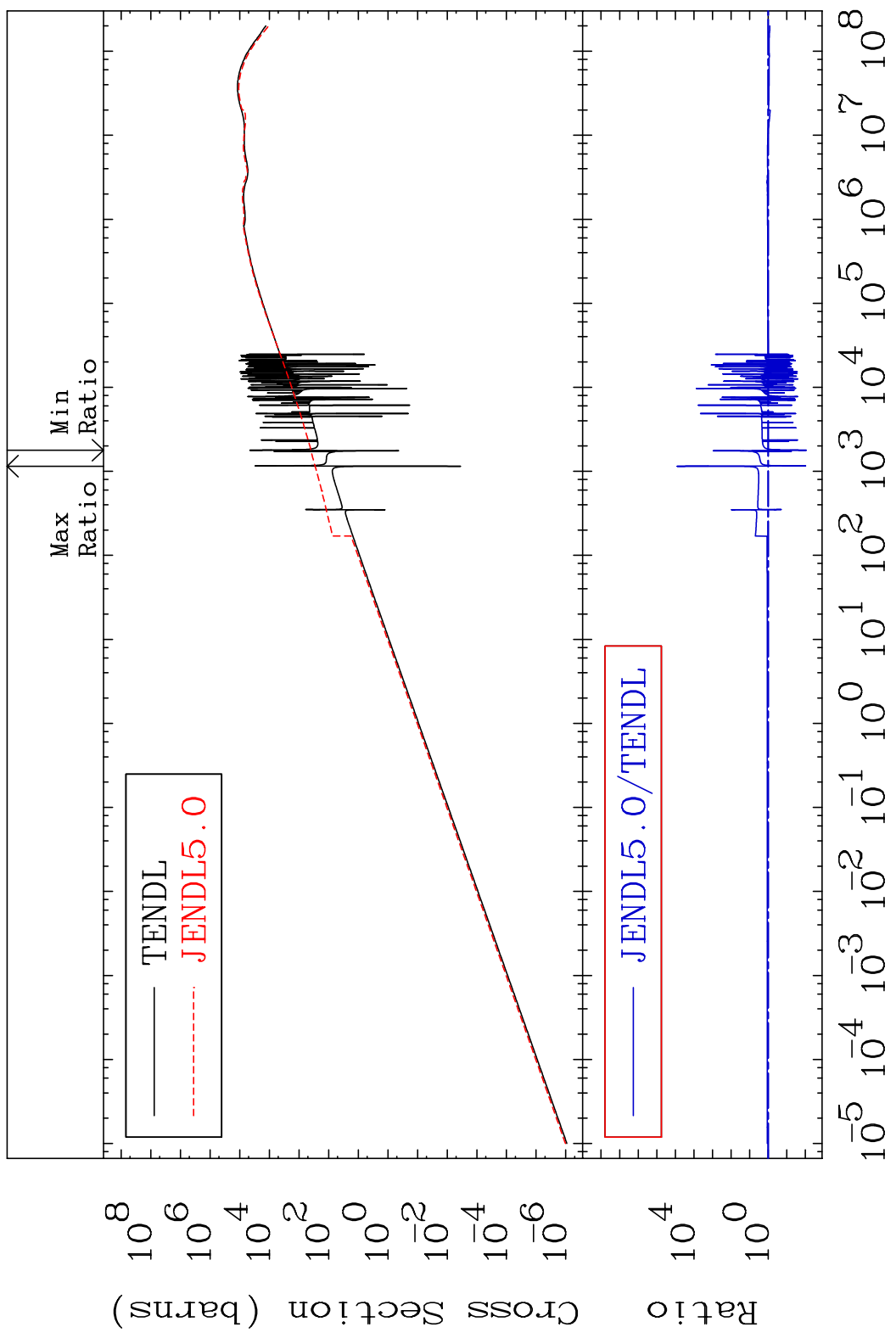
MAT 4425 Kerma total (eV-barns) 44-Ru-96  
 Cross Section -1205. To 3795. %



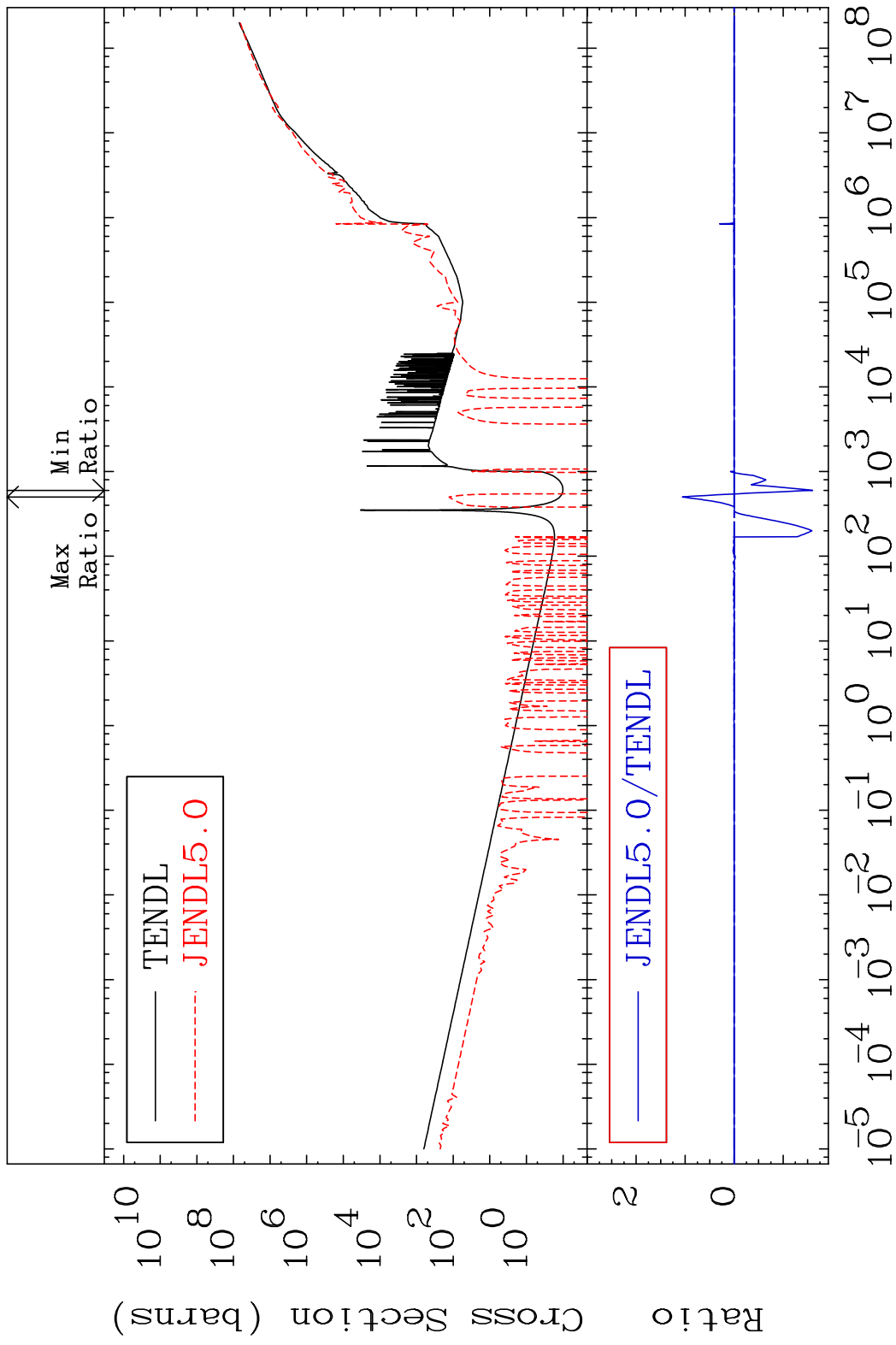
50 Incident Energy (eV) 44-Ru-96

MAT 4425

Kerma elastic Cross Section -99.13 To 9999. %  
44-Ru-96

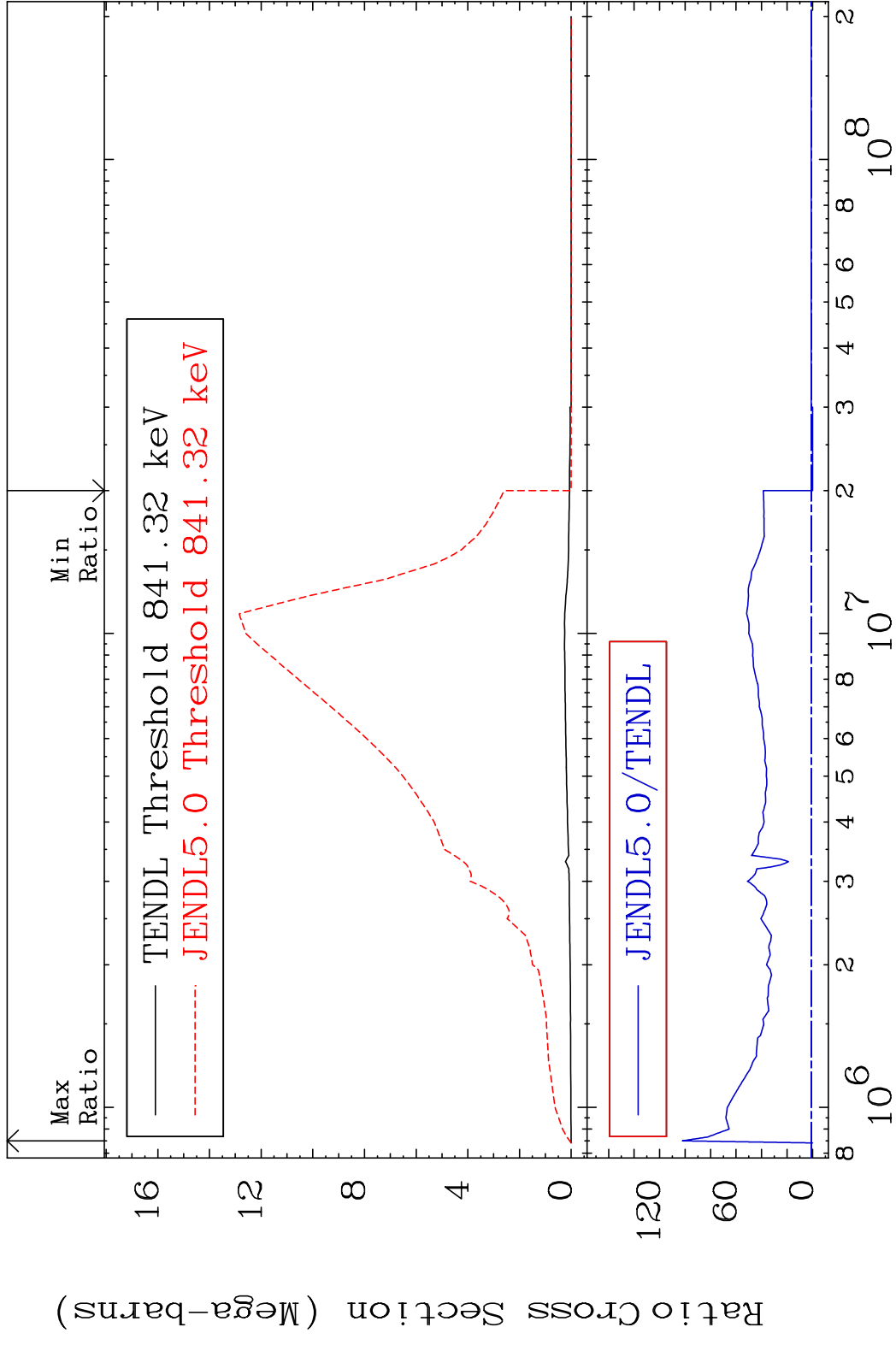


MAT 4425 Kerma non-elastic (all but mt2) 44-Ru-96  
 Cross Section -9999. To 9999. %

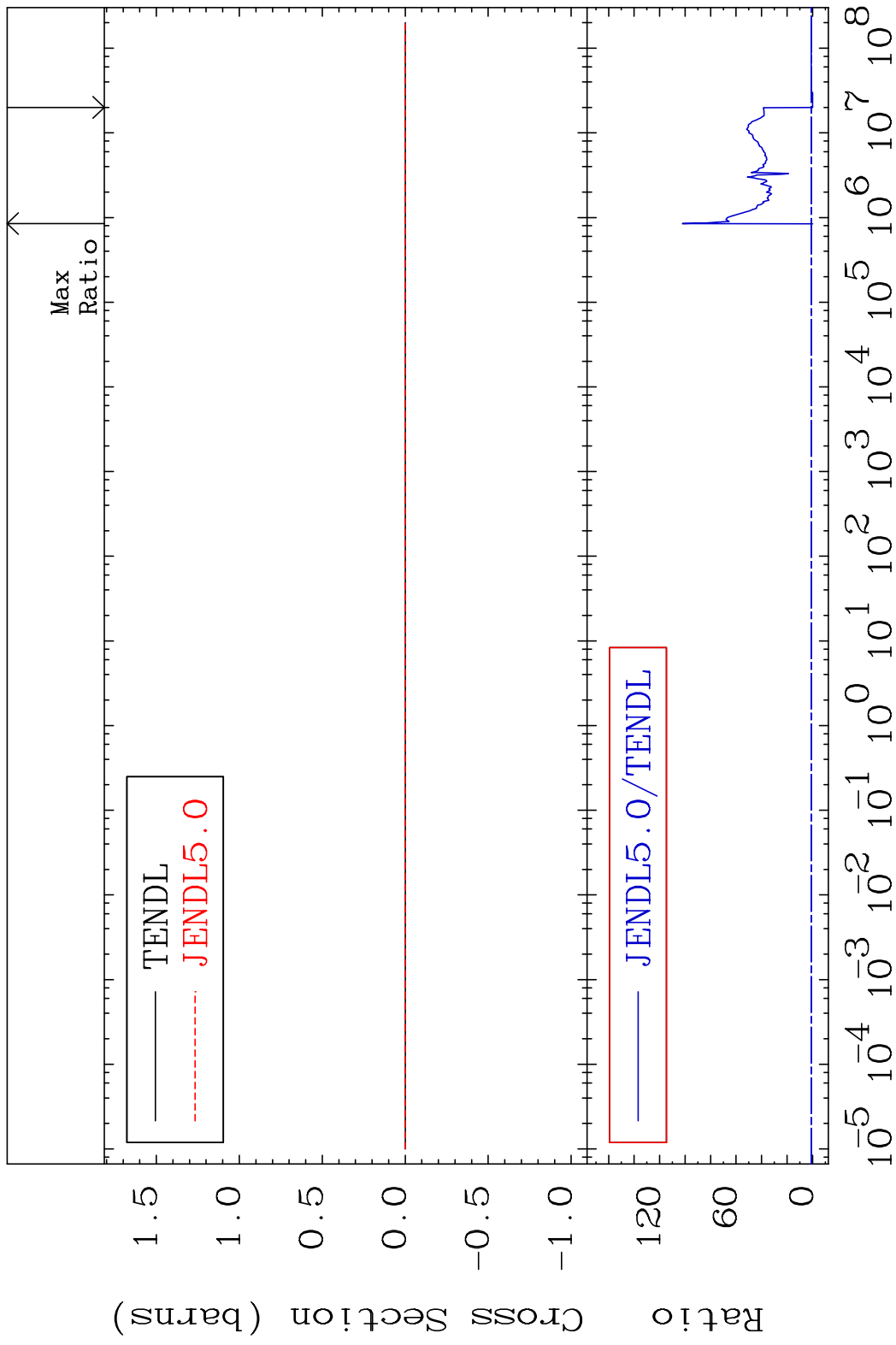


52 Incident Energy (eV) 44-Ru-96

MAT 4425 Kerma inelastic (mt51-91) 44-Ru-96  
 Cross Section -100.0 To 9999. %

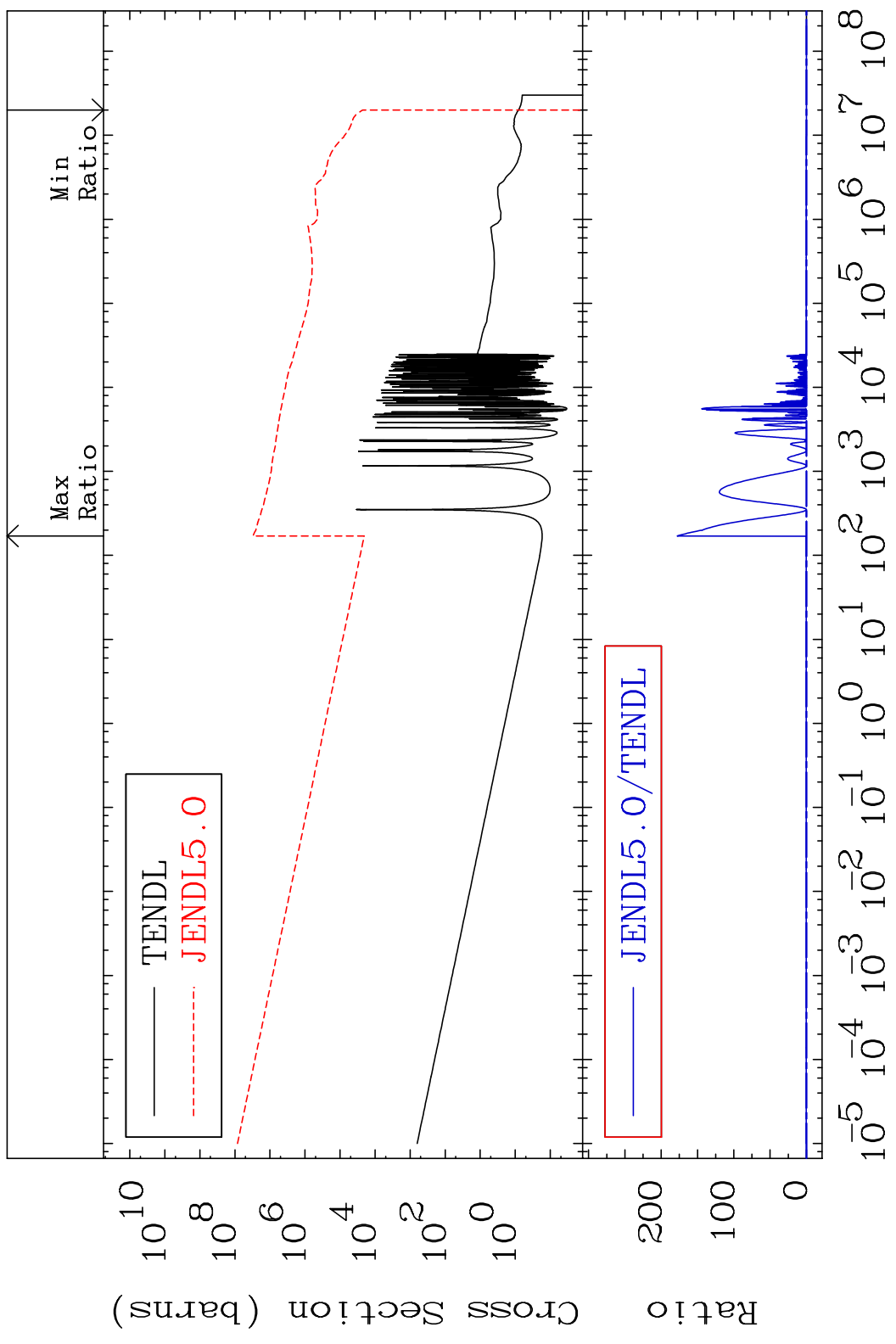


MAT 4425 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-96  
 Cross Section -100.0 To 9999. %



MAT 4425

Kerma capture (mt102) 44-Ru-96  
Cross Section -100.0 To 9999. %



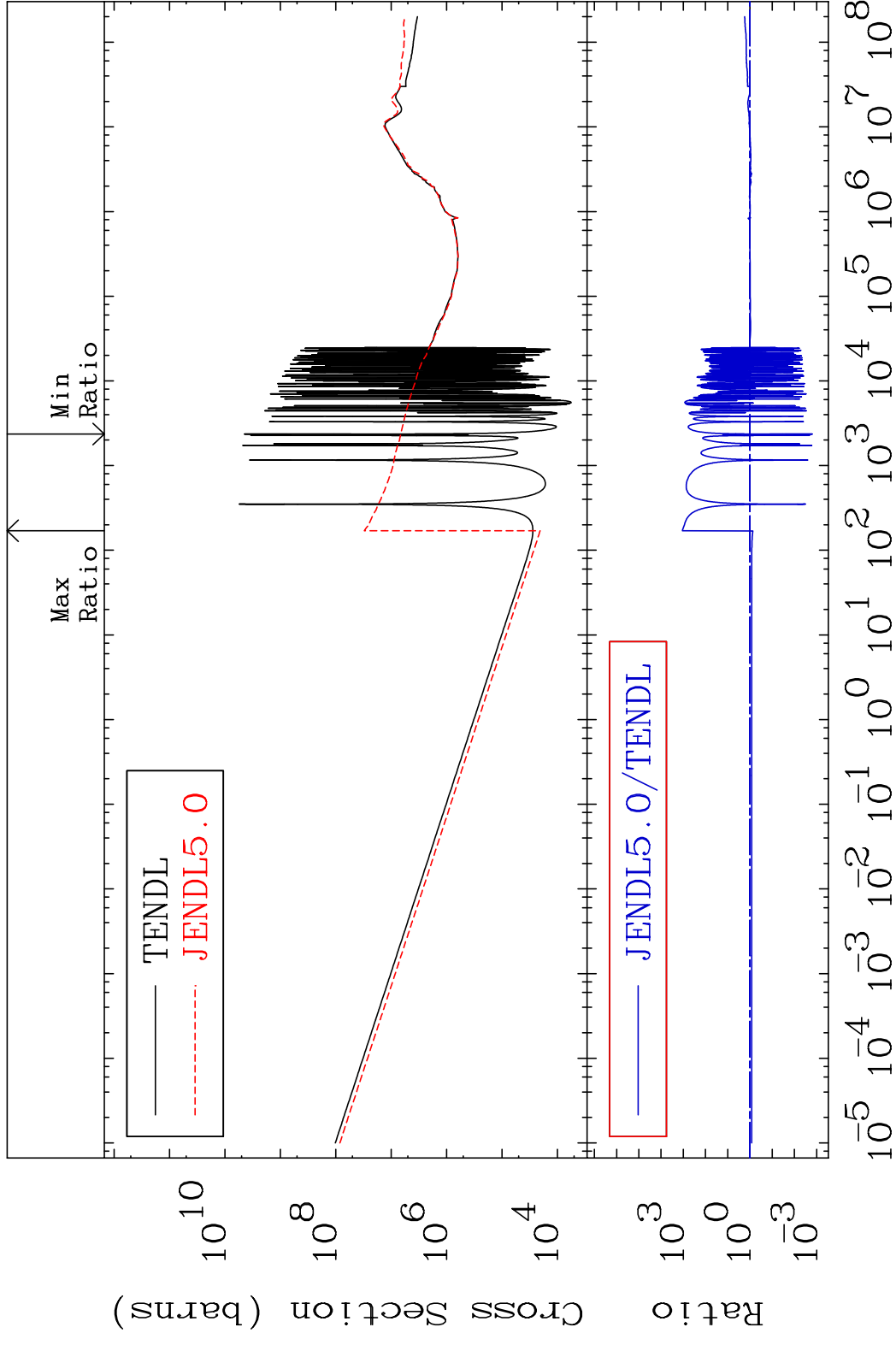
55

Incident Energy (eV)

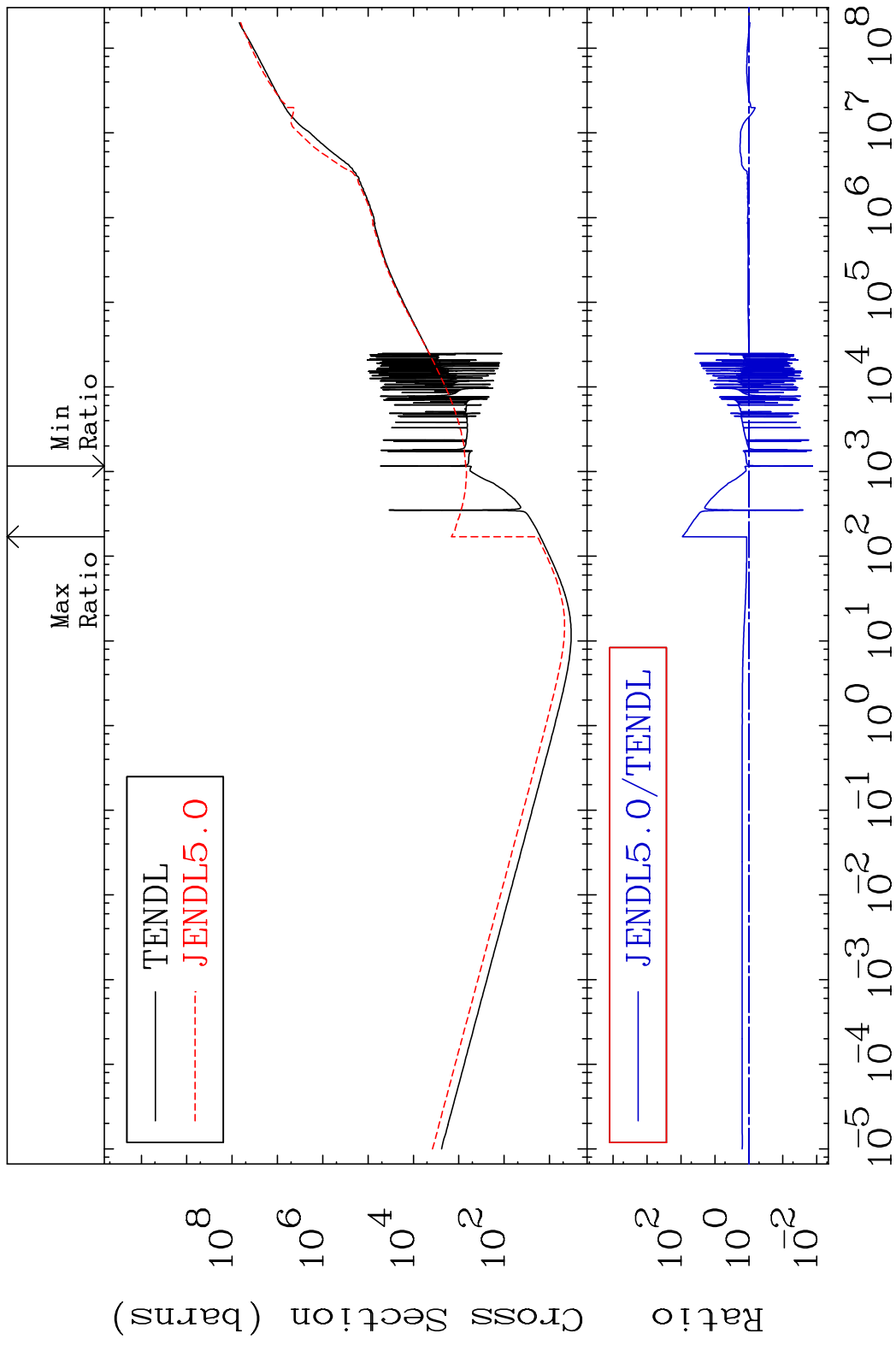
44-Ru-96



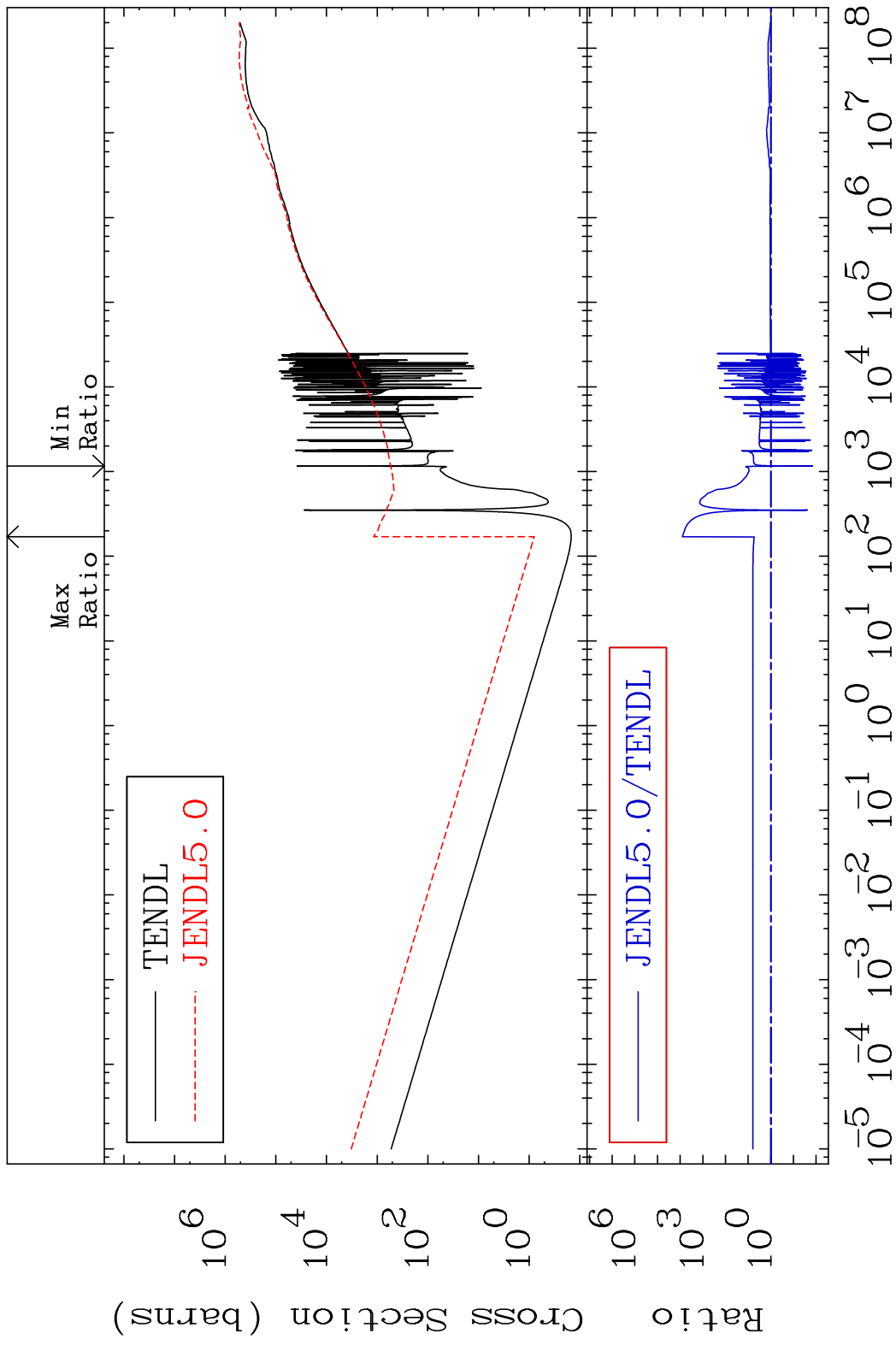
MAT 4425 Total photon (eV-barns) 44-Ru-96  
 Cross Section -99.85 To 9999. %



MAT 4425 Total kinematic kerma (high limit) 44-Ru-96  
 Cross Section -98.67 To 9000. %



MAT 4425 Dpa total (eV-barns) 44-Ru-96  
 Cross Section -98.56 To 9999. %

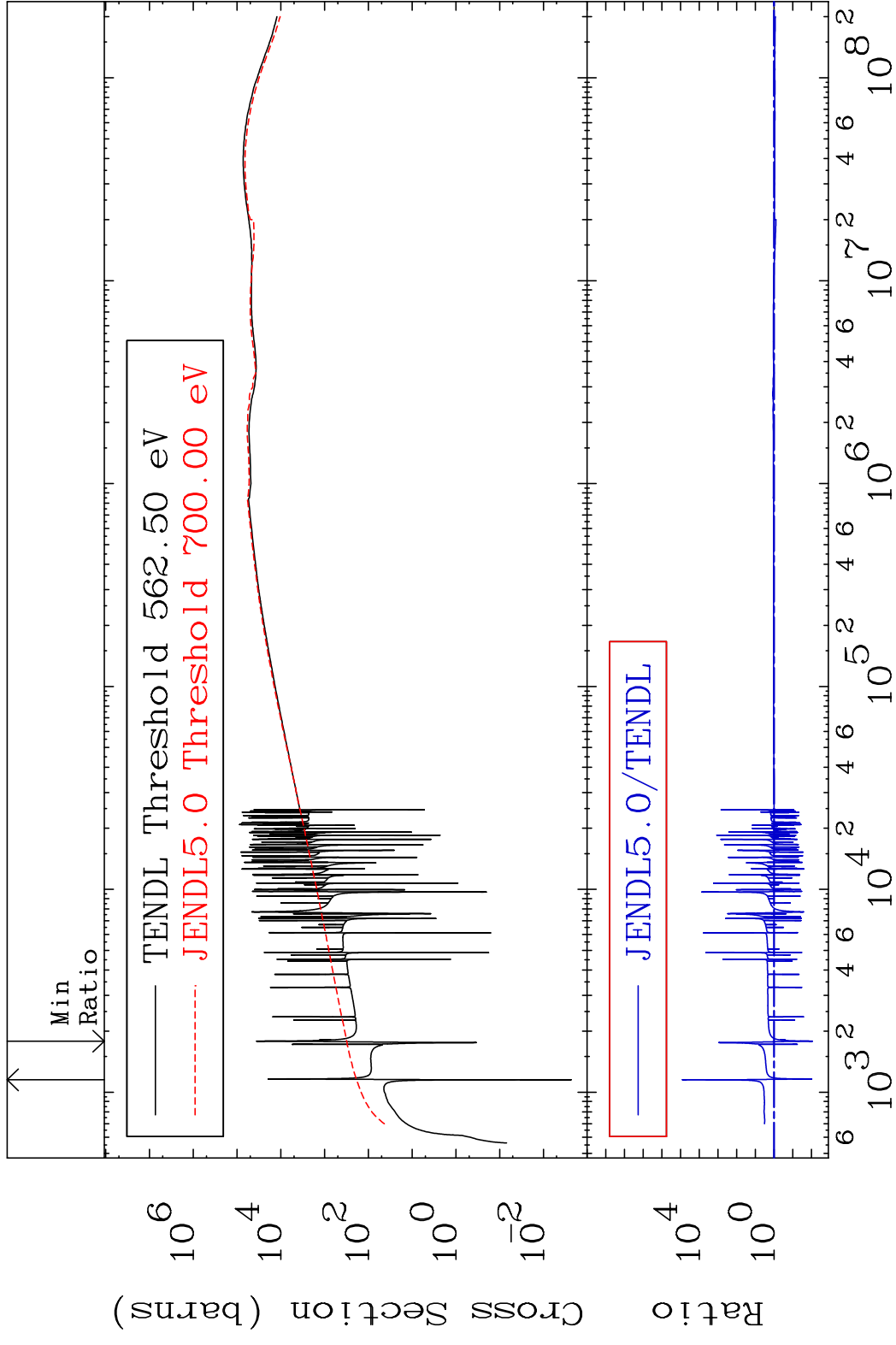


MAT 4425

Dpa elastic (mt2)

44-Ru-96

Cross Section -99.13 To 9999. %

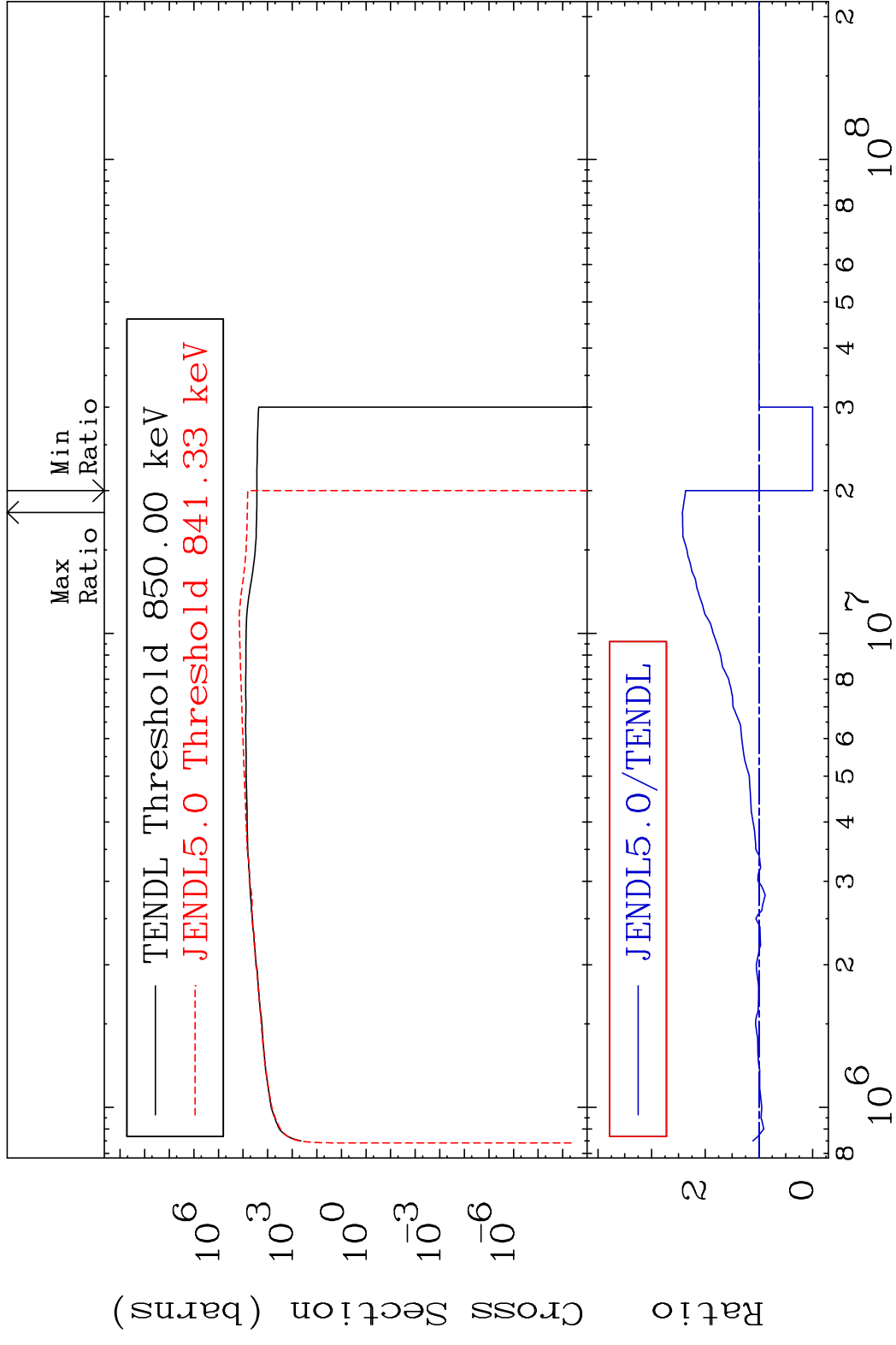


59

Incident Energy (eV)

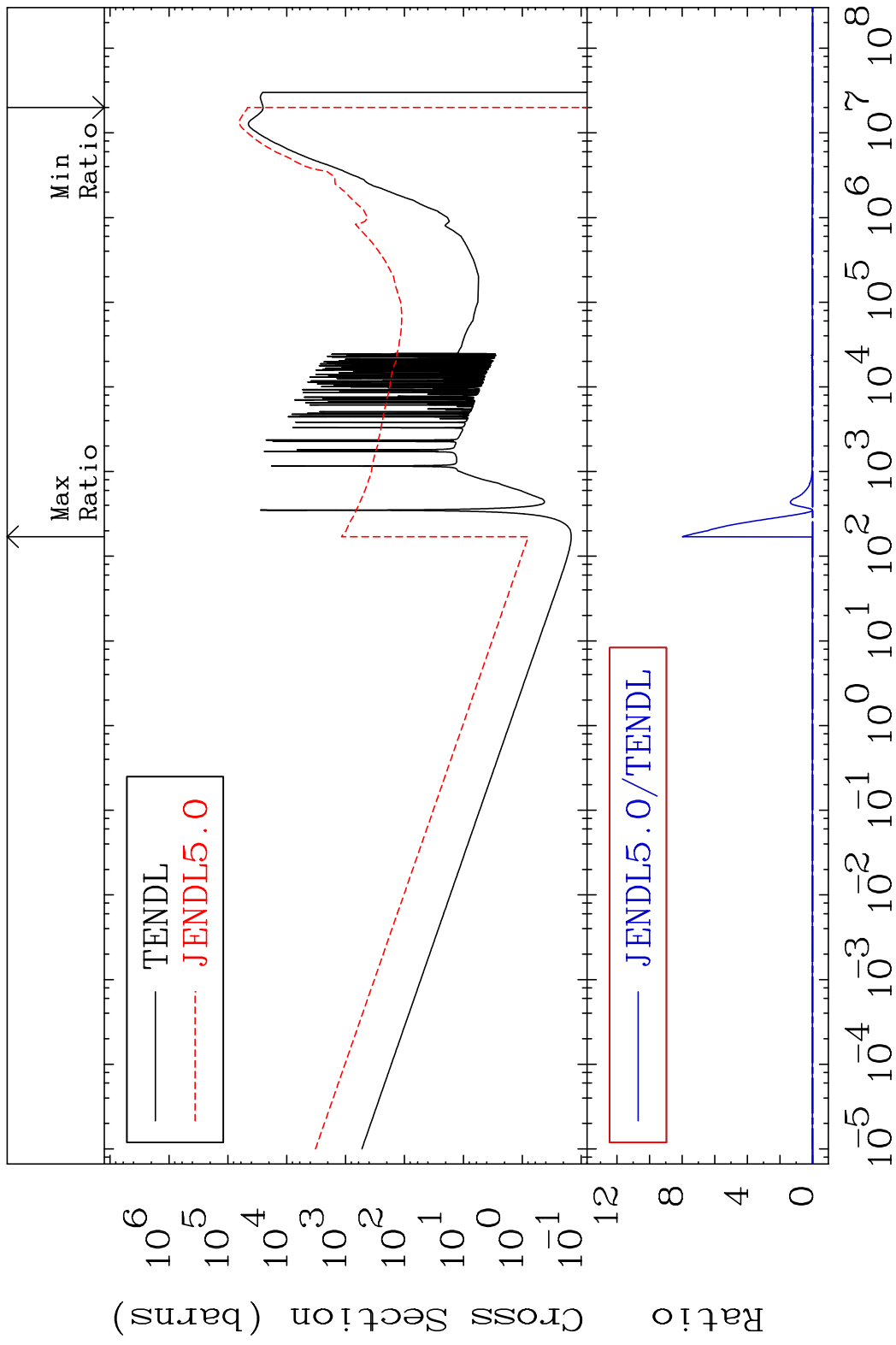
44-Ru-96

MAT 4425 Dpa inelastic (mt51-91) 44-Ru-96  
 Cross Section -100.0 To 142.7 %



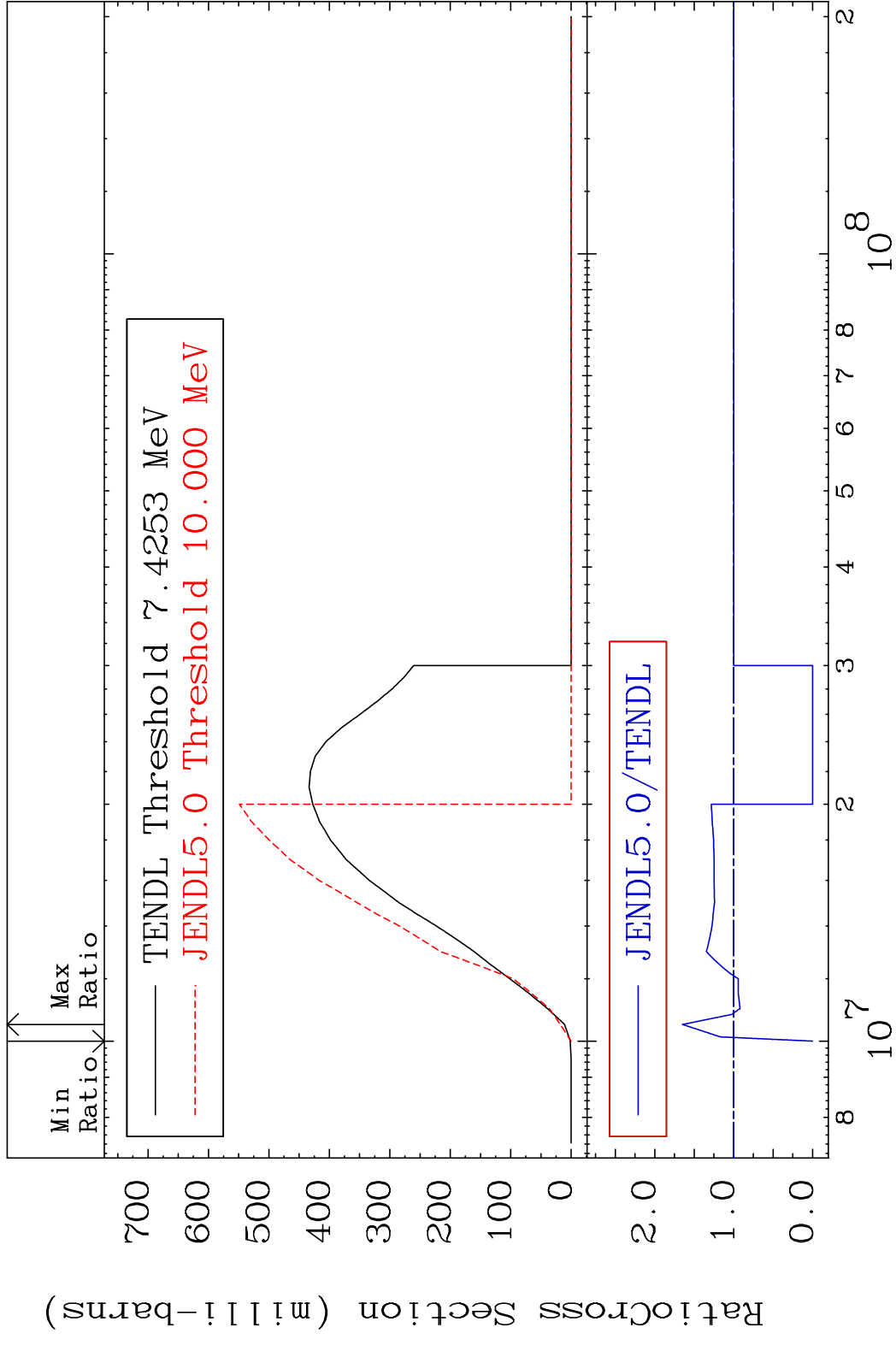
60 Incident Energy (eV) 44-Ru-96

MAT 4425 Dpa disappearance (mt102 -120) 44-Ru-96  
 Cross Section -100.0 To 9999. %

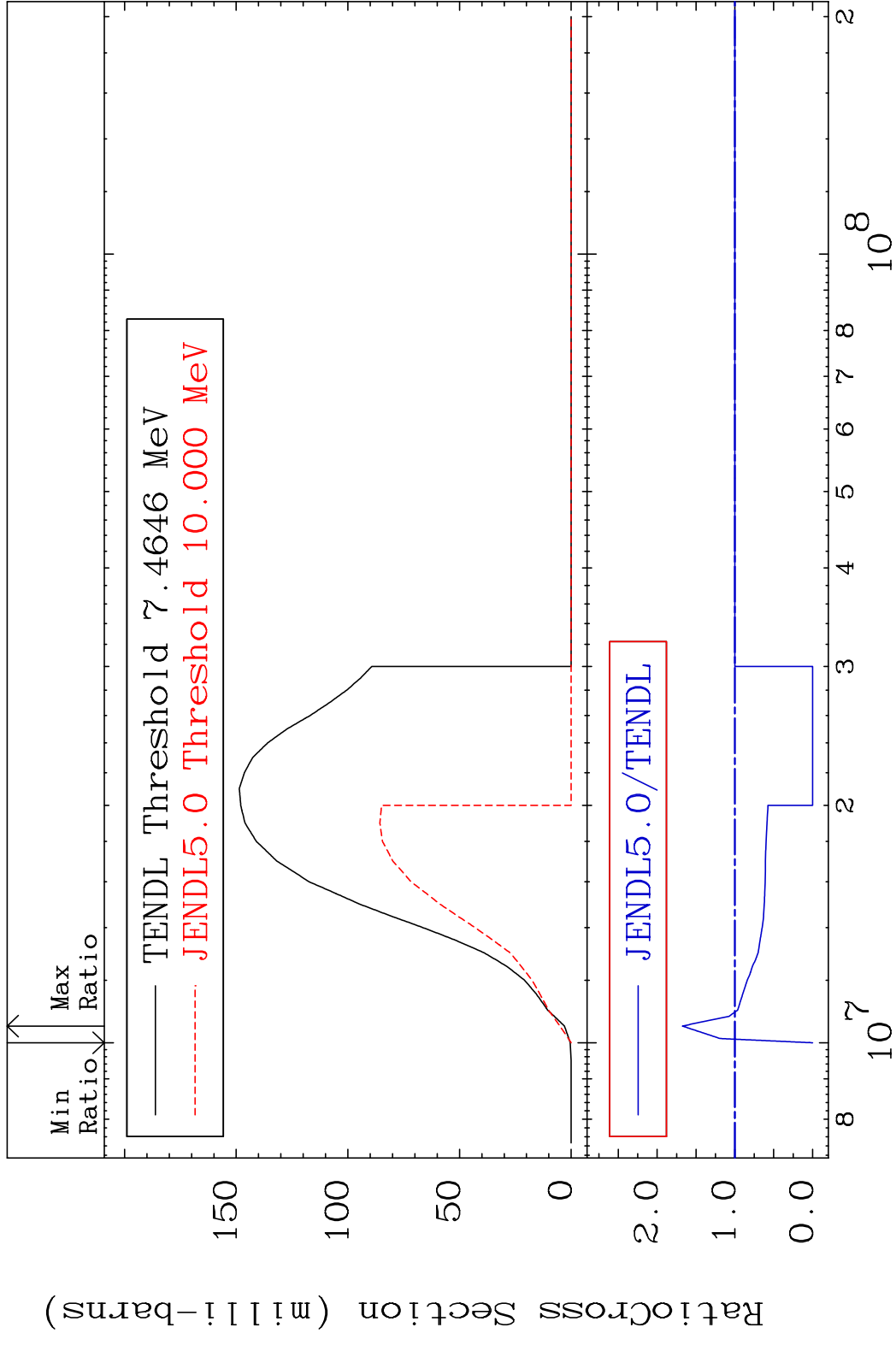


61 Incident Energy (eV) 44-Ru-96

MAT 4425 (n, n') p:43-Tc-95g 44-Ru-96  
 Radionuclide Production Cross Section 65.04 %

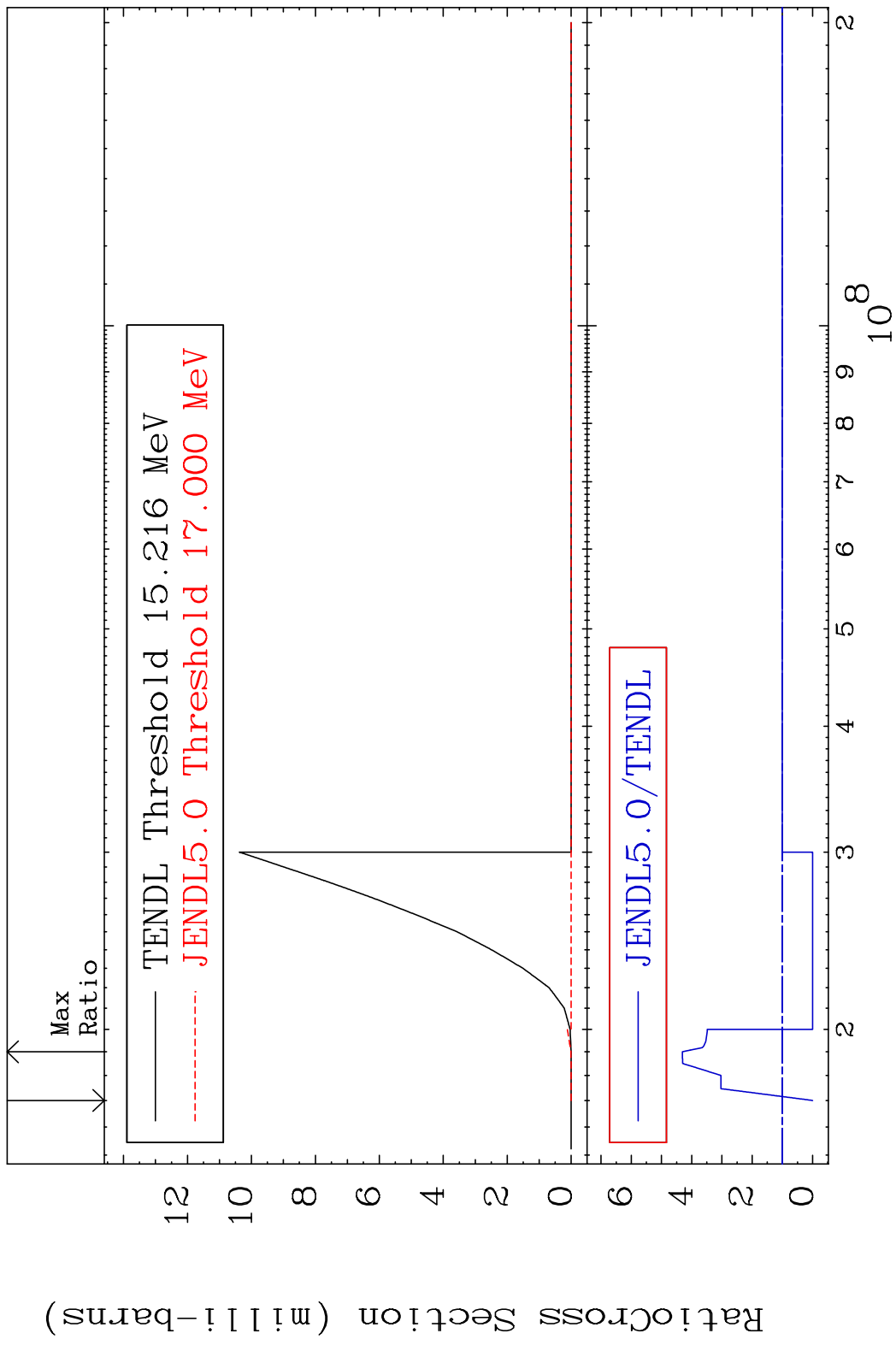


MAT 4425 (n, n') p:43-Tc-95m1 44-Ru-96  
 Radionuclide Production Cross Section 180.01 dno 67.57 %

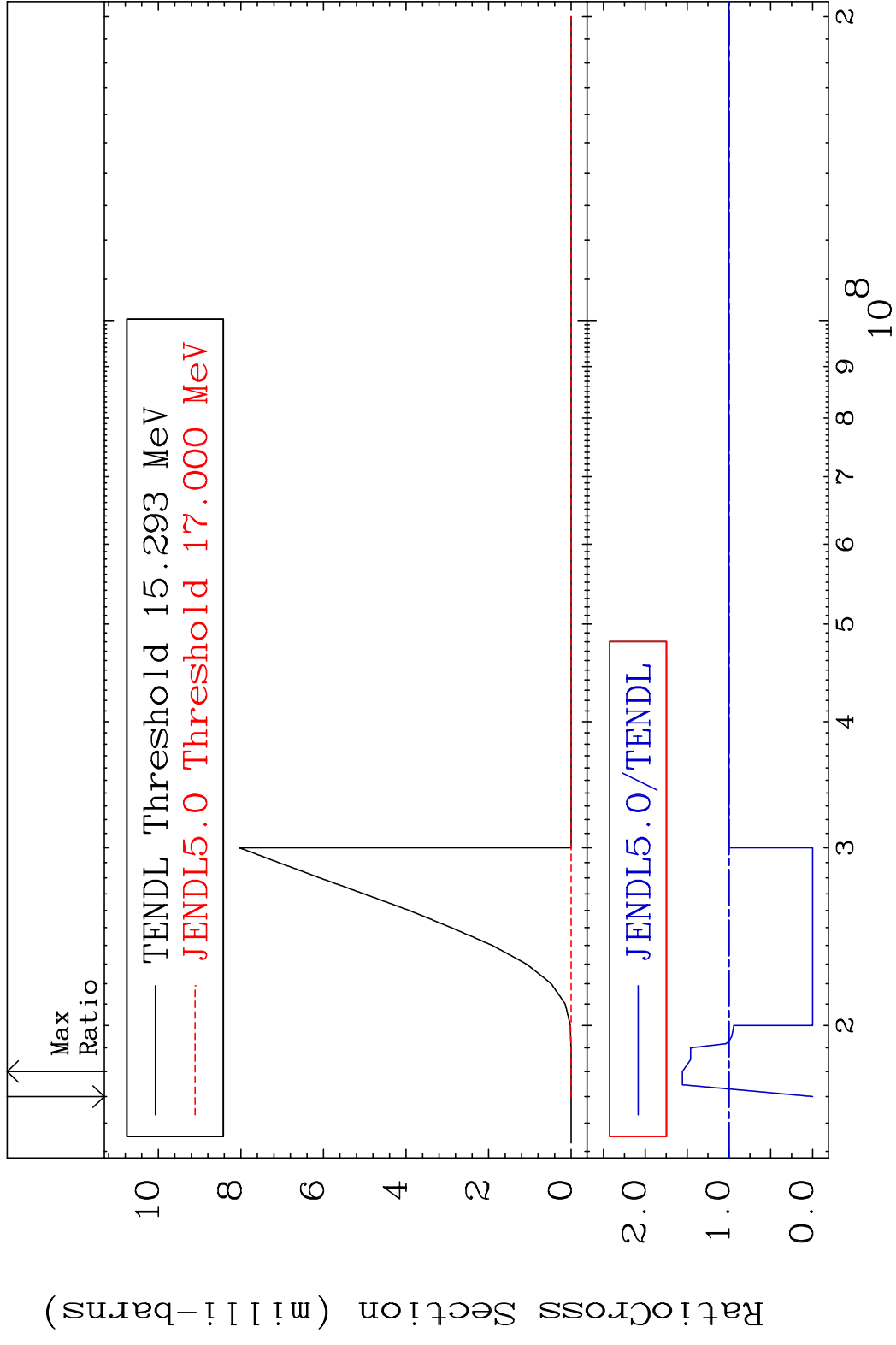




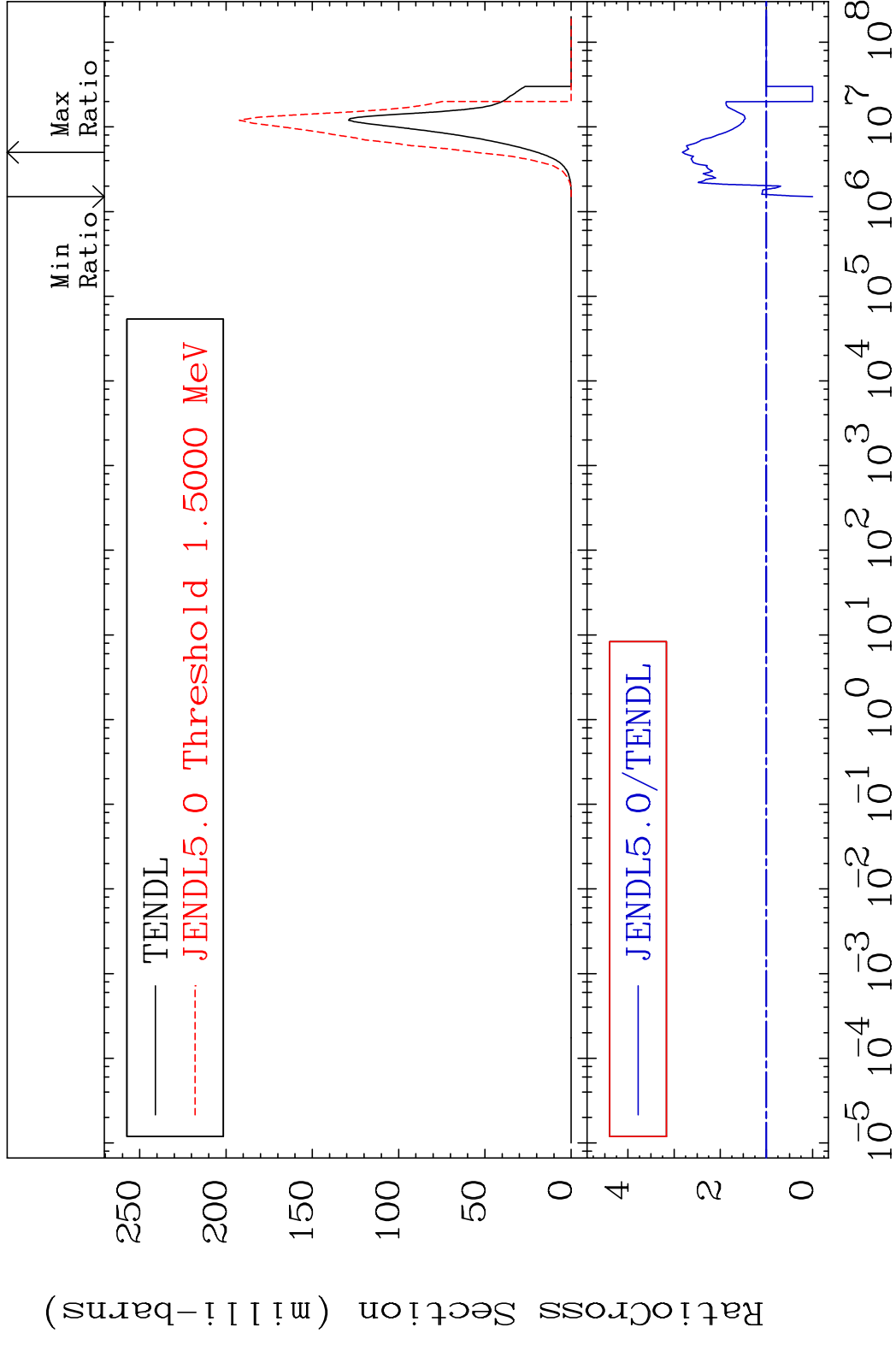
MAT 4425 (n, n') d:43-Tc-94g 44-Ru-96  
 Radionuclide Production Cross Section 180.0 dth 330.9 %



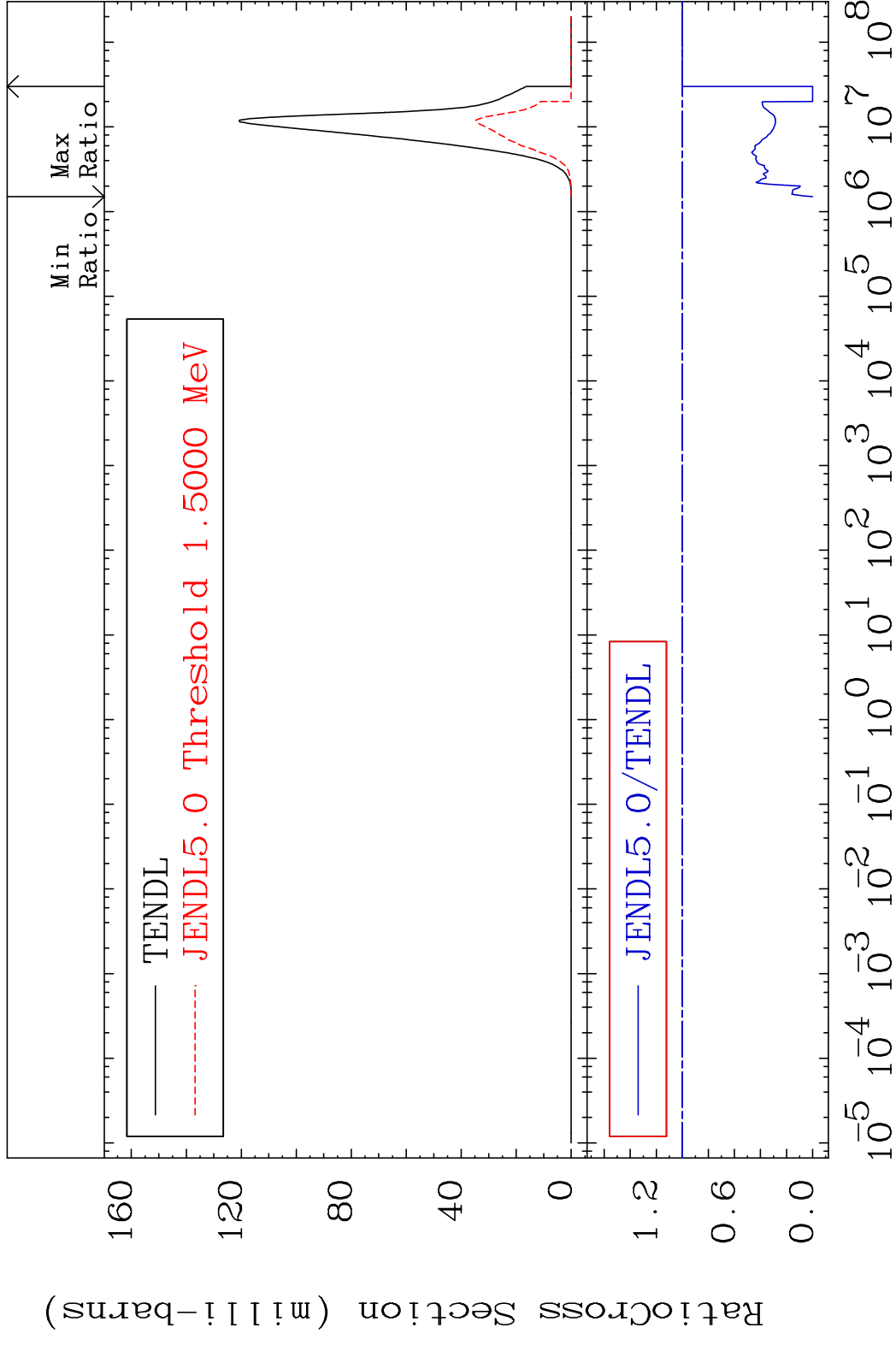
MAT 4425 (n, n') d:43-Tc-94m1 44-Ru-96  
 Radionuclide Production Cross Section 55.69 %



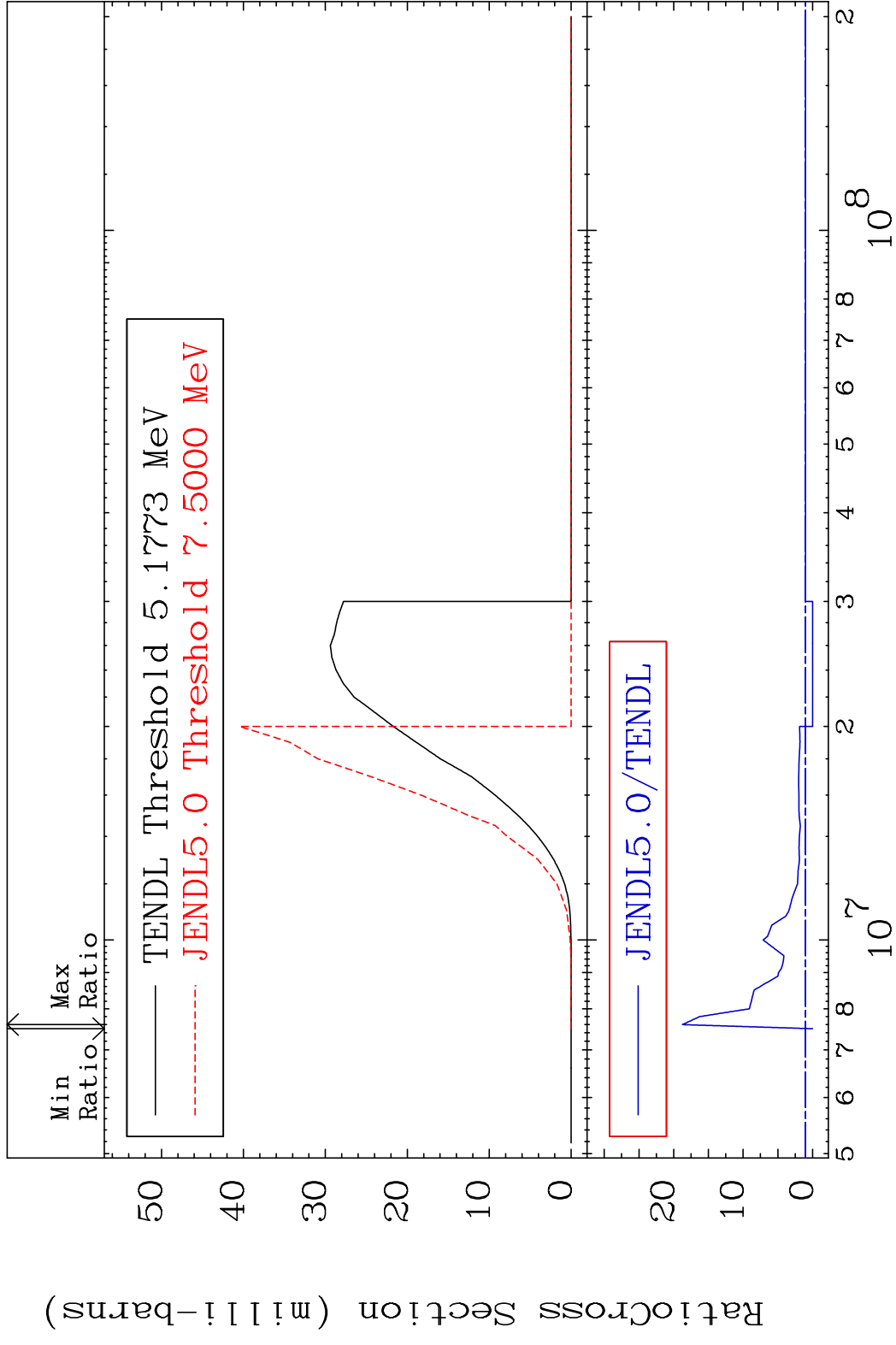
MAT 4425 (n,p):43-Tc-96g 44-Ru-96  
 Radionuclide Production Cross Section 182.1 %



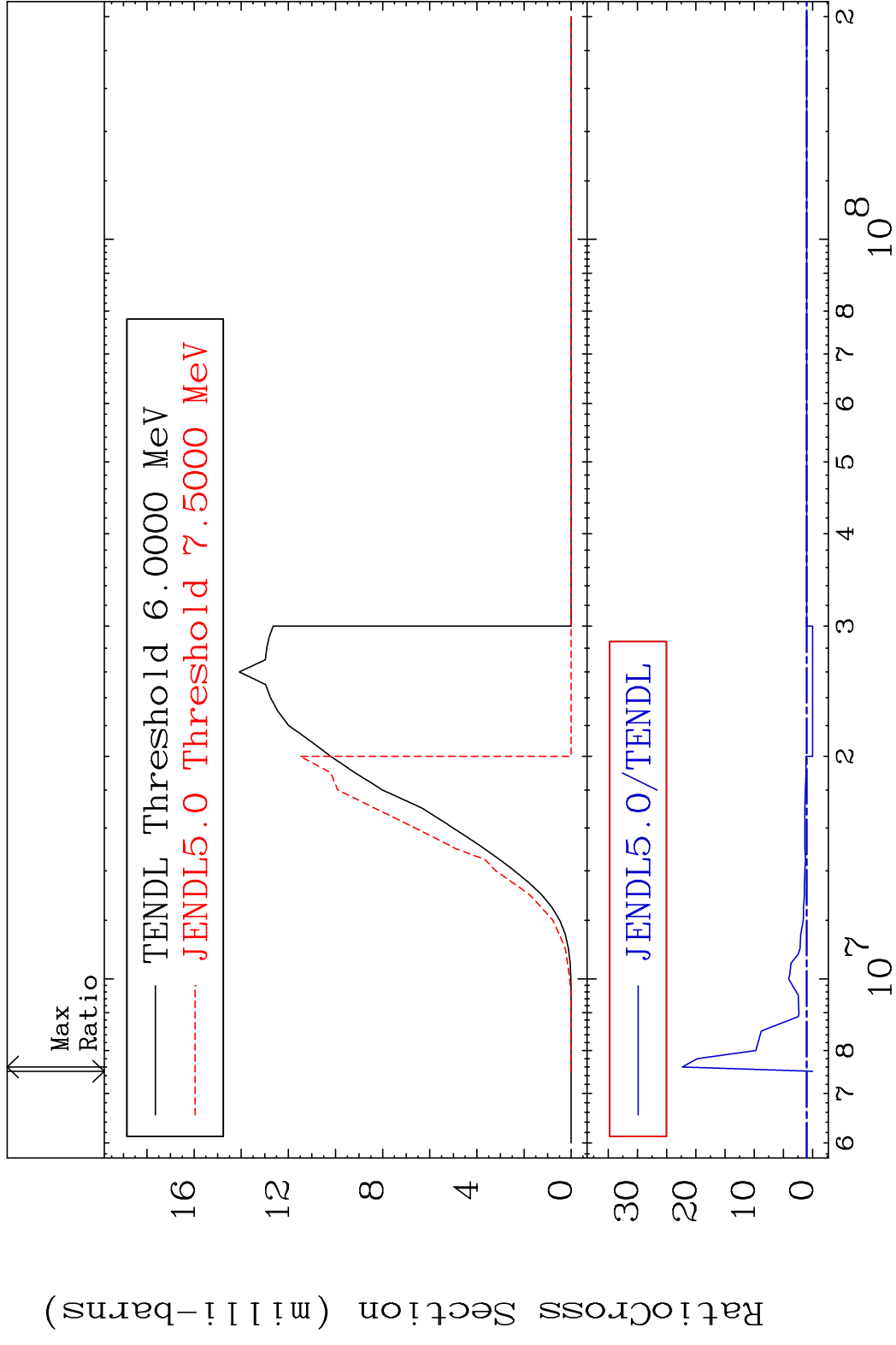
MAT 4425 (n,p):43-Tc-96m1 44-Ru-96  
 Radionuclide Production Cross Section 1.0000 to 0.0000 %



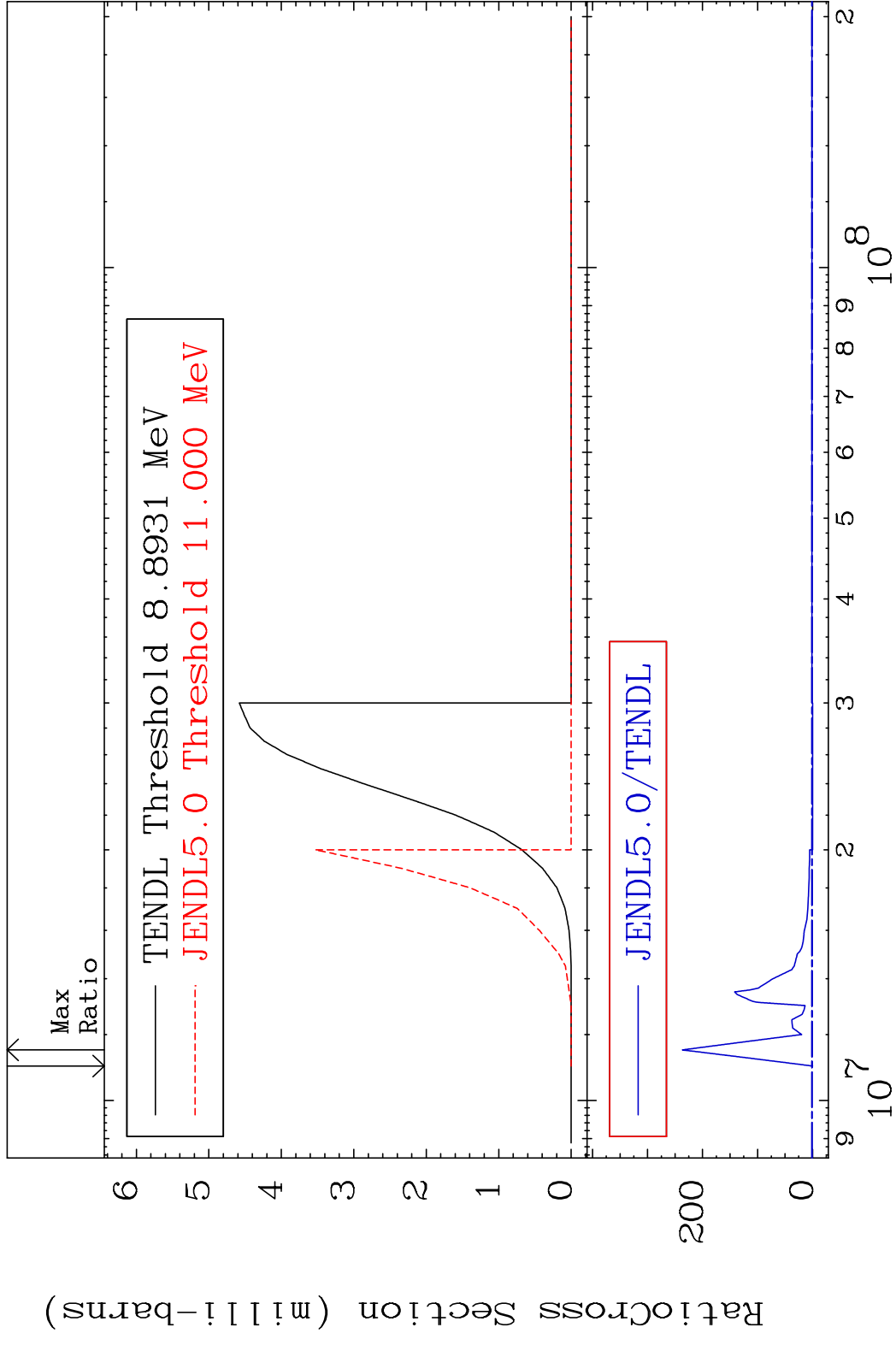
MAT 4425 (n,d):43-Tc-95g 44-Ru-96  
 Radionuclide Production Cross Section 1800.0 dth 1775. %



MAT 4425 (n, d) : 43-Tc-95m1 44-Ru-96  
 Radionuclide Production Cross Section Ratio 2131. %

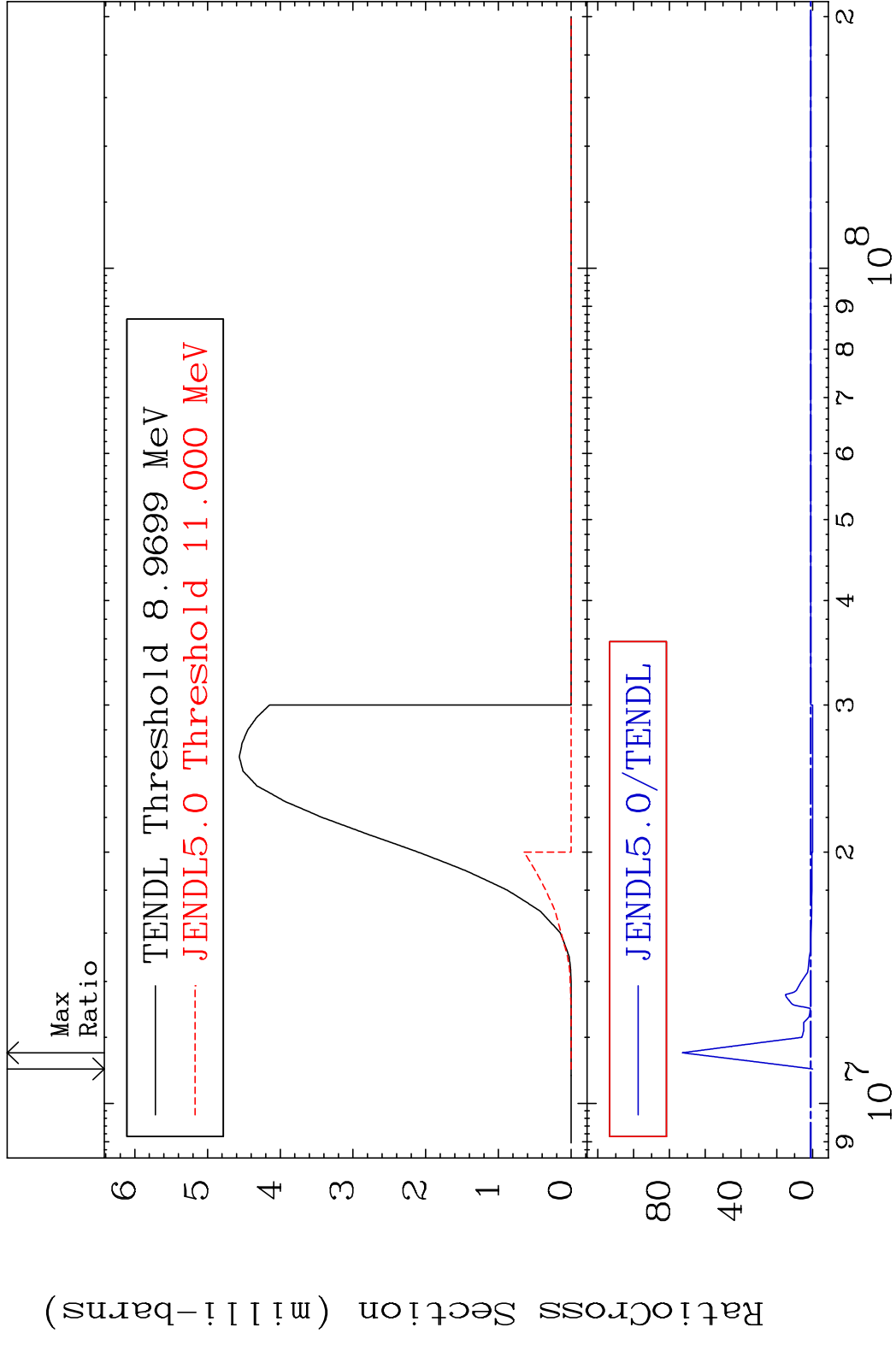


MAT 4425 (n, t): 43-Tc-94g 44-Ru-96  
 Radionuclide Production Cross Section Ratio 9999. %



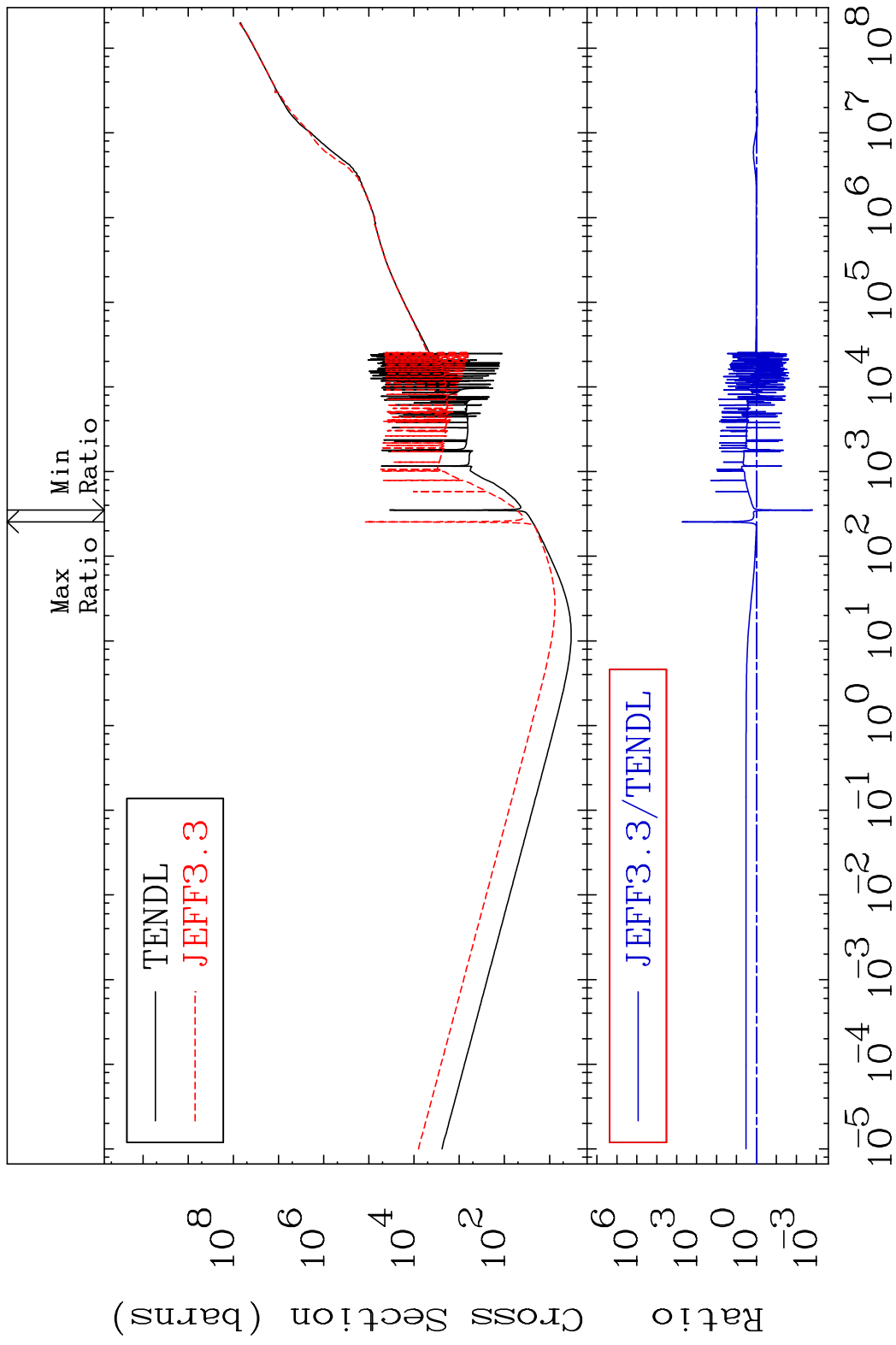
70 Incident Energy (eV) 44-Ru-96

MAT 4425 (n, t): 43-Tc-94m1 44-Ru-96  
 Radionuclide Production Cross Section 180.0 mb 7176. %

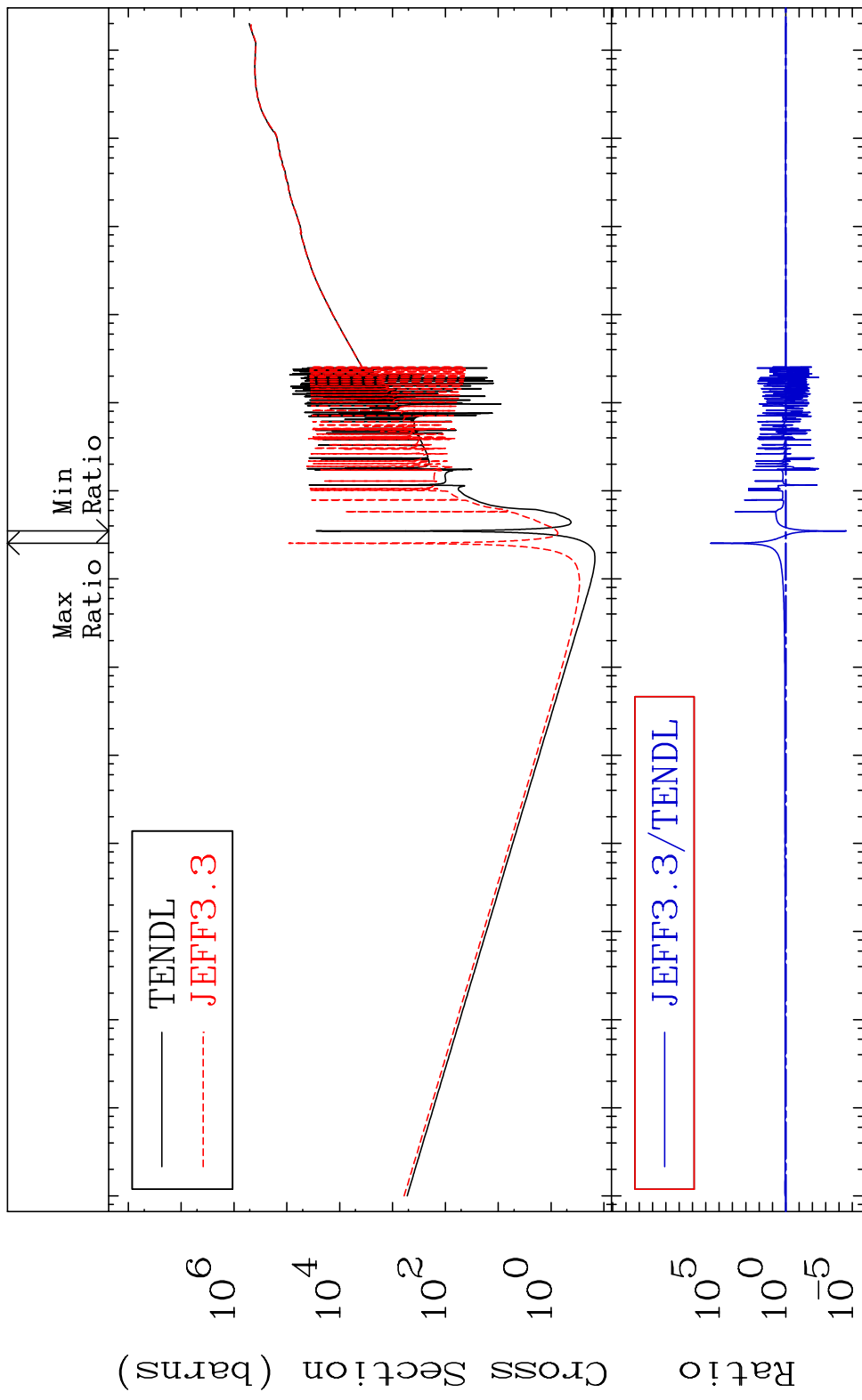




MAT 4425 Total kinematic kerma (high limit) 44-Ru-96  
 Cross Section -99.85 To 9999. %



MAT 4425 Dpa total (eV-barns) 44-Ru-96  
 Cross Section -100.0 To 9999. %



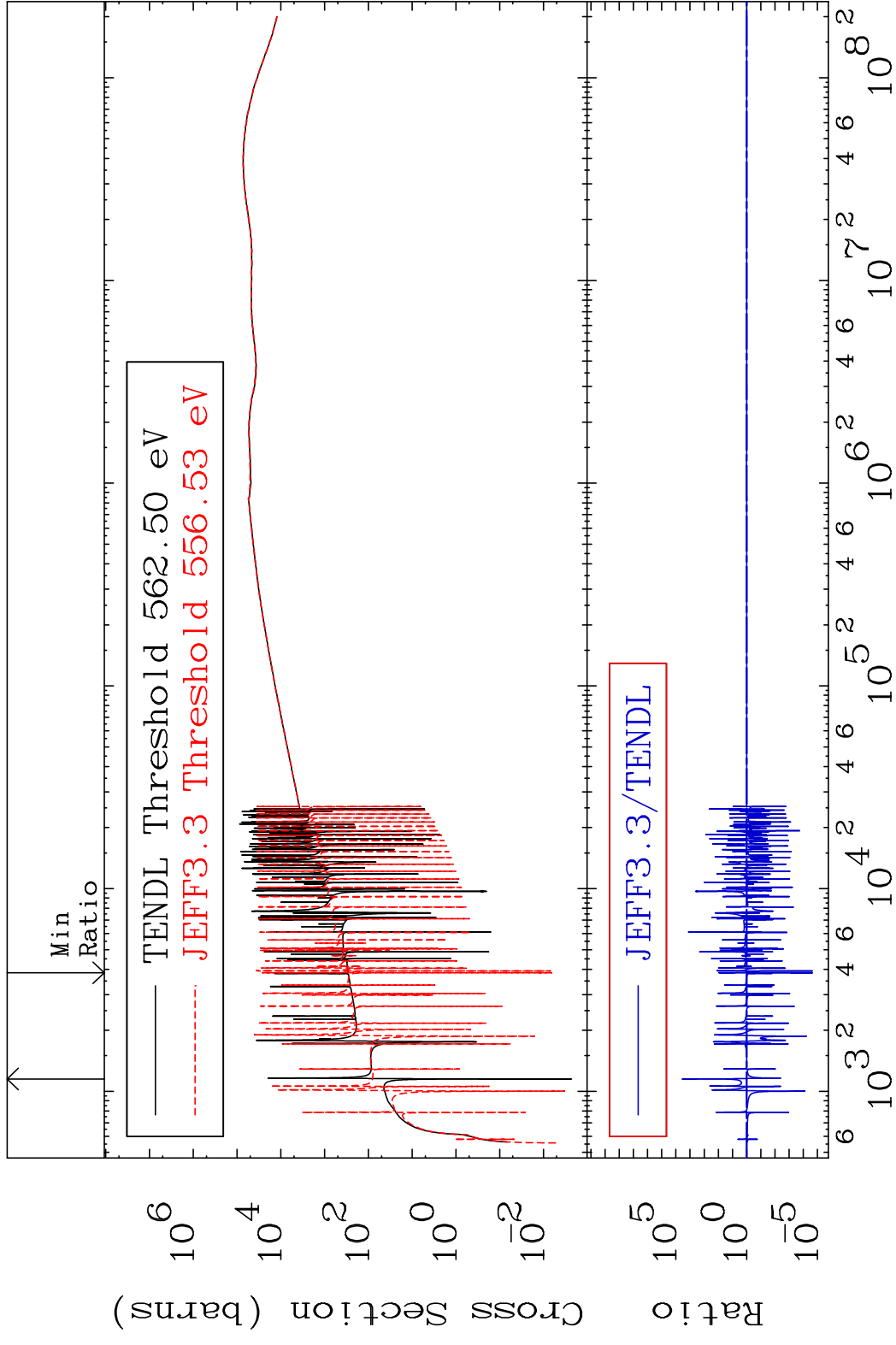
73 Incident Energy (eV) 44-Ru-96

MAT 4425

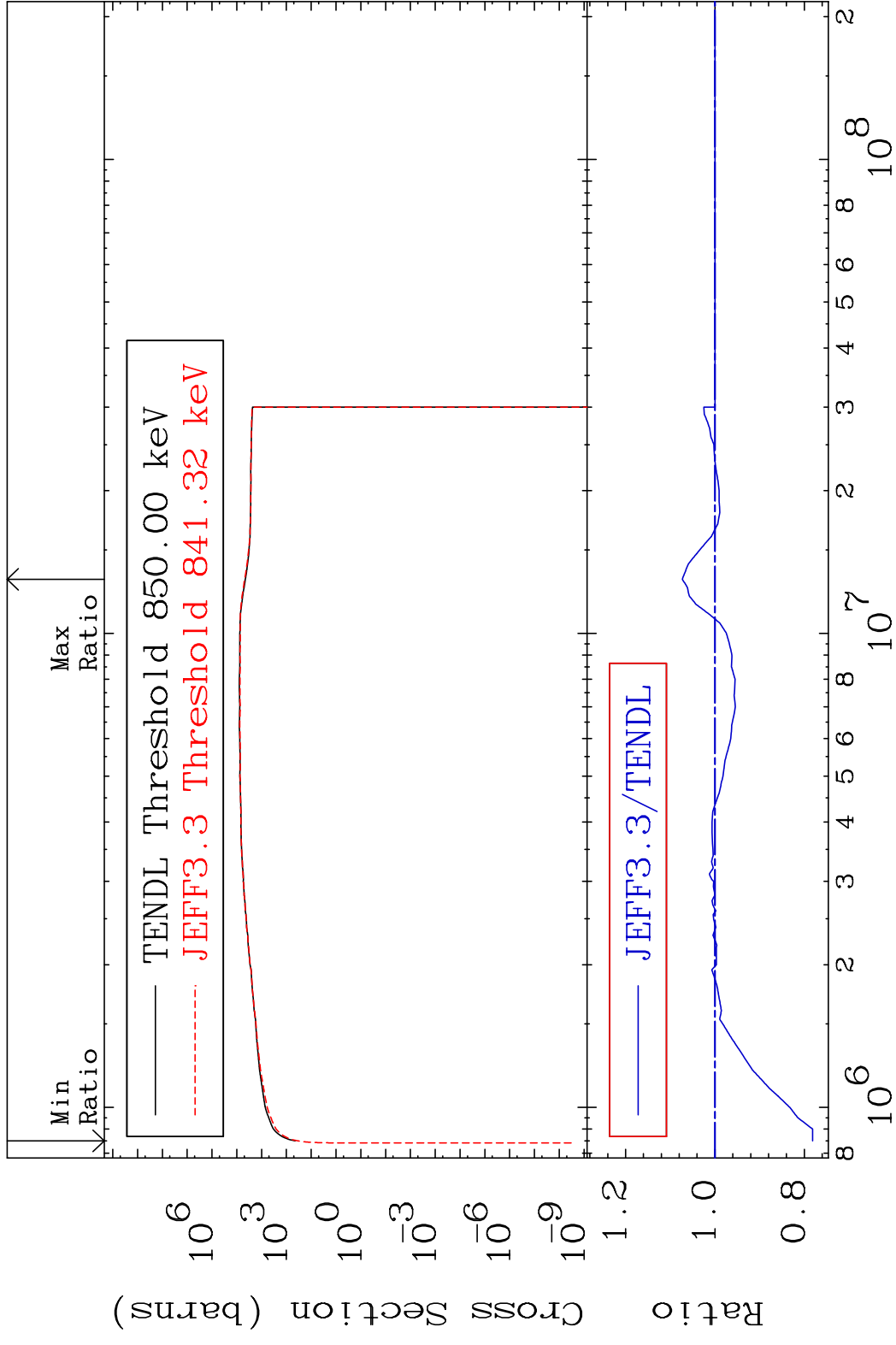
Dpa elastic (mt2)

44-Ru-96

Cross Section -100.0 To 9999. %

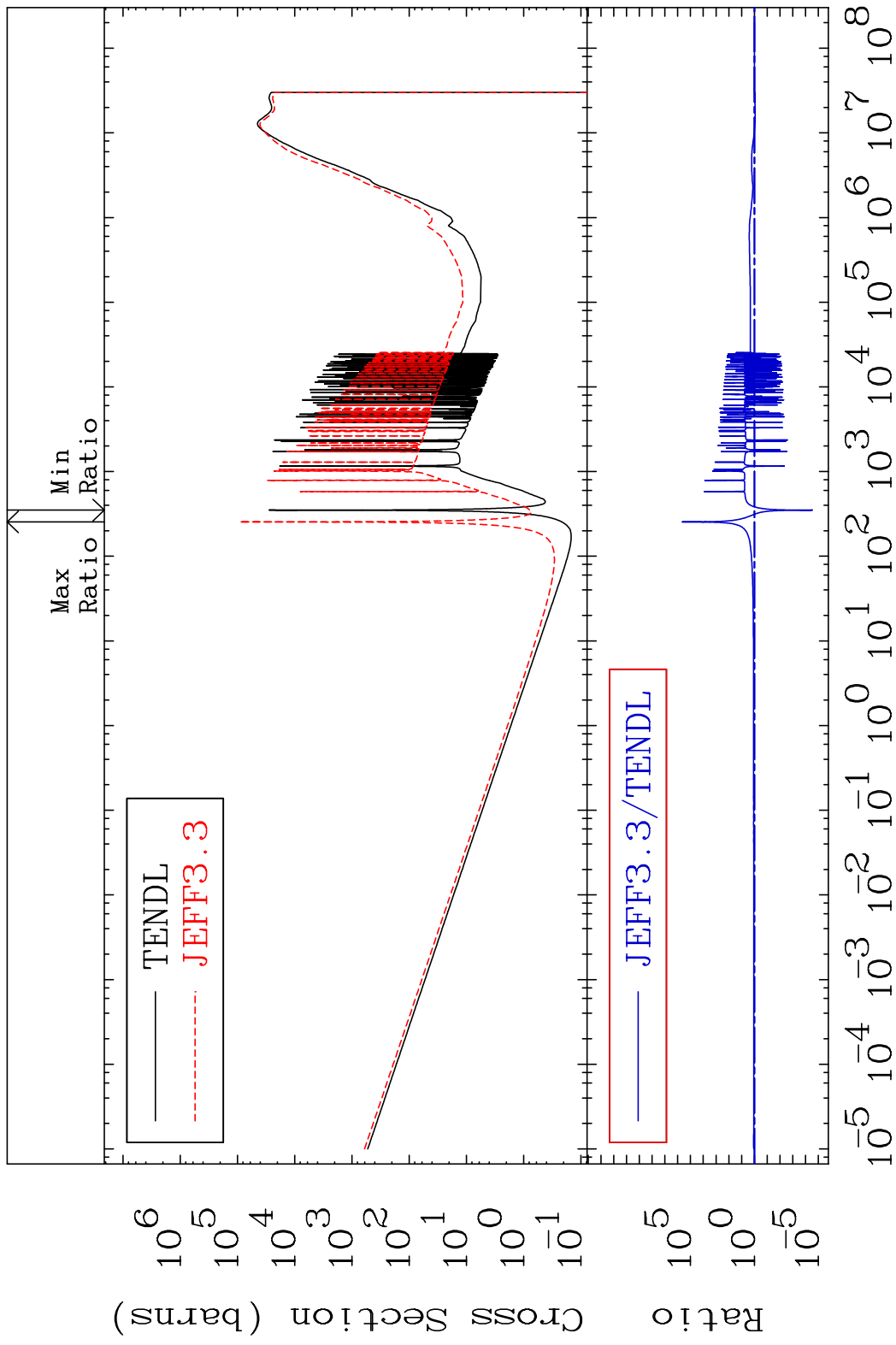


MAT 4425 Dpa inelastic (mt51-91) 44-Ru-96  
 Cross Section -21.84 To 7.295 %



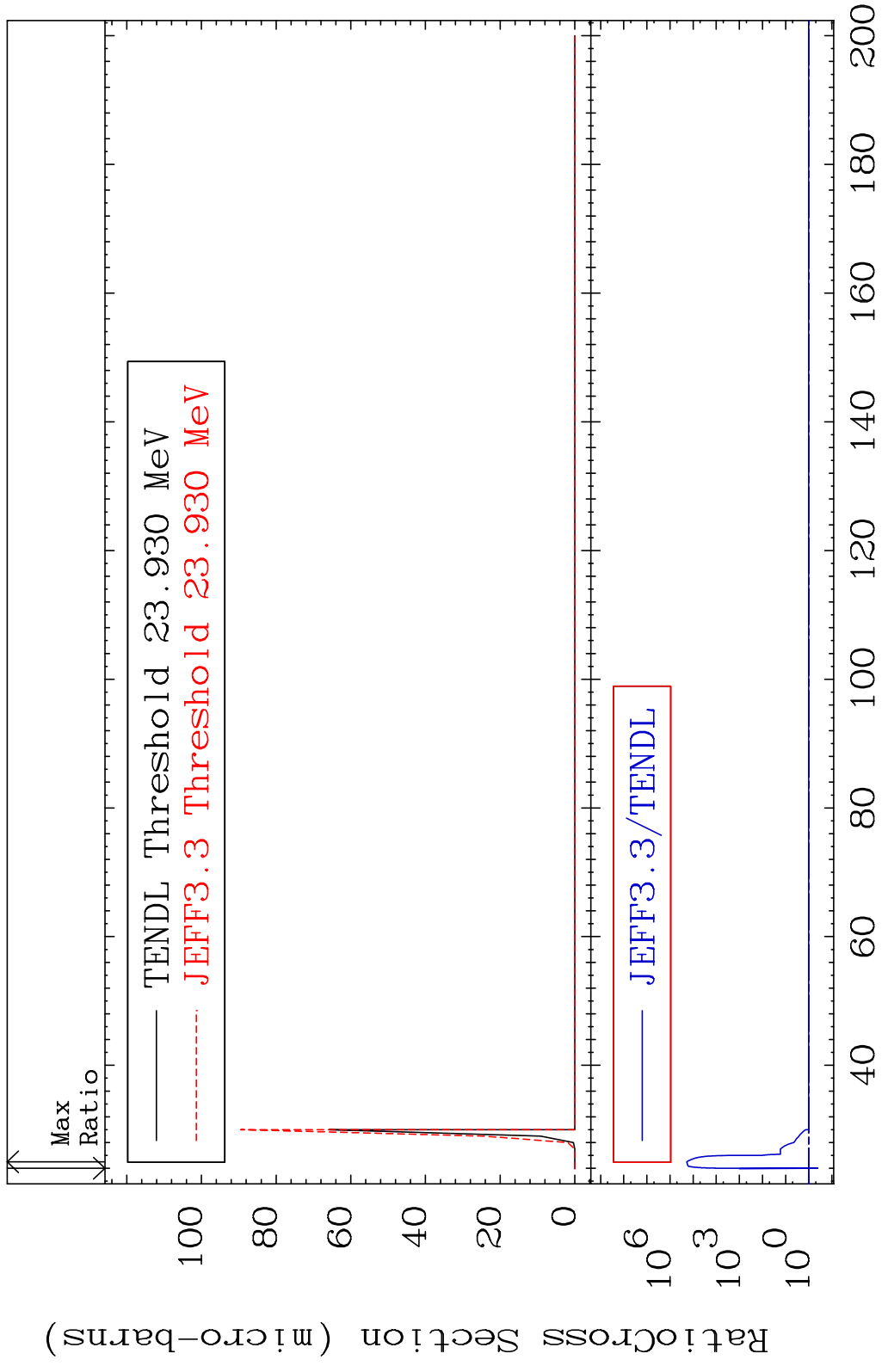
75 Incident Energy (eV) 44-Ru-96

MAT 4425 Dpa disappearance (mt102 -120) 44-Ru-96  
 Cross Section -100.0 To 9999. %

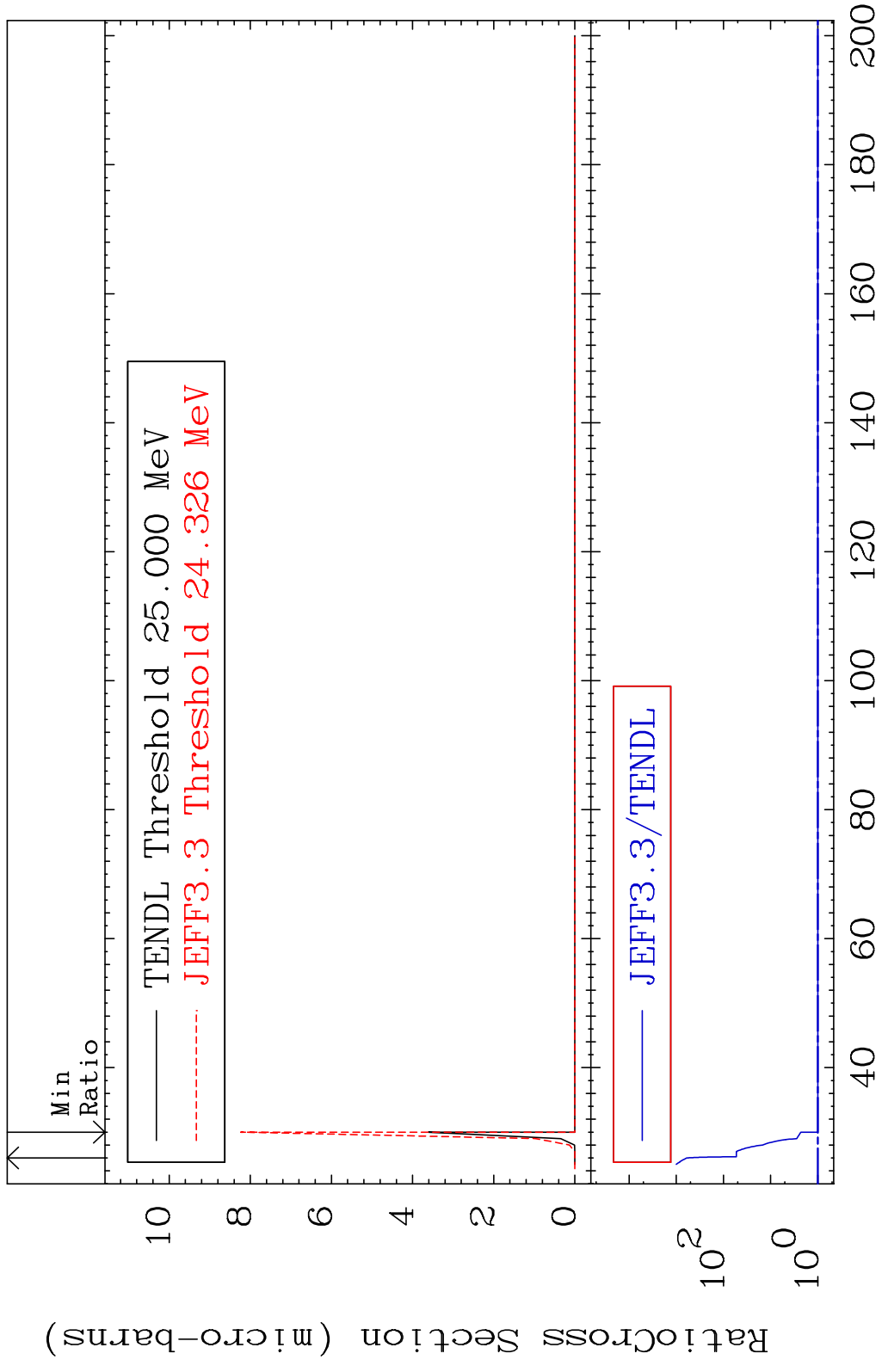


76 Incident Energy (eV) 44-Ru-96

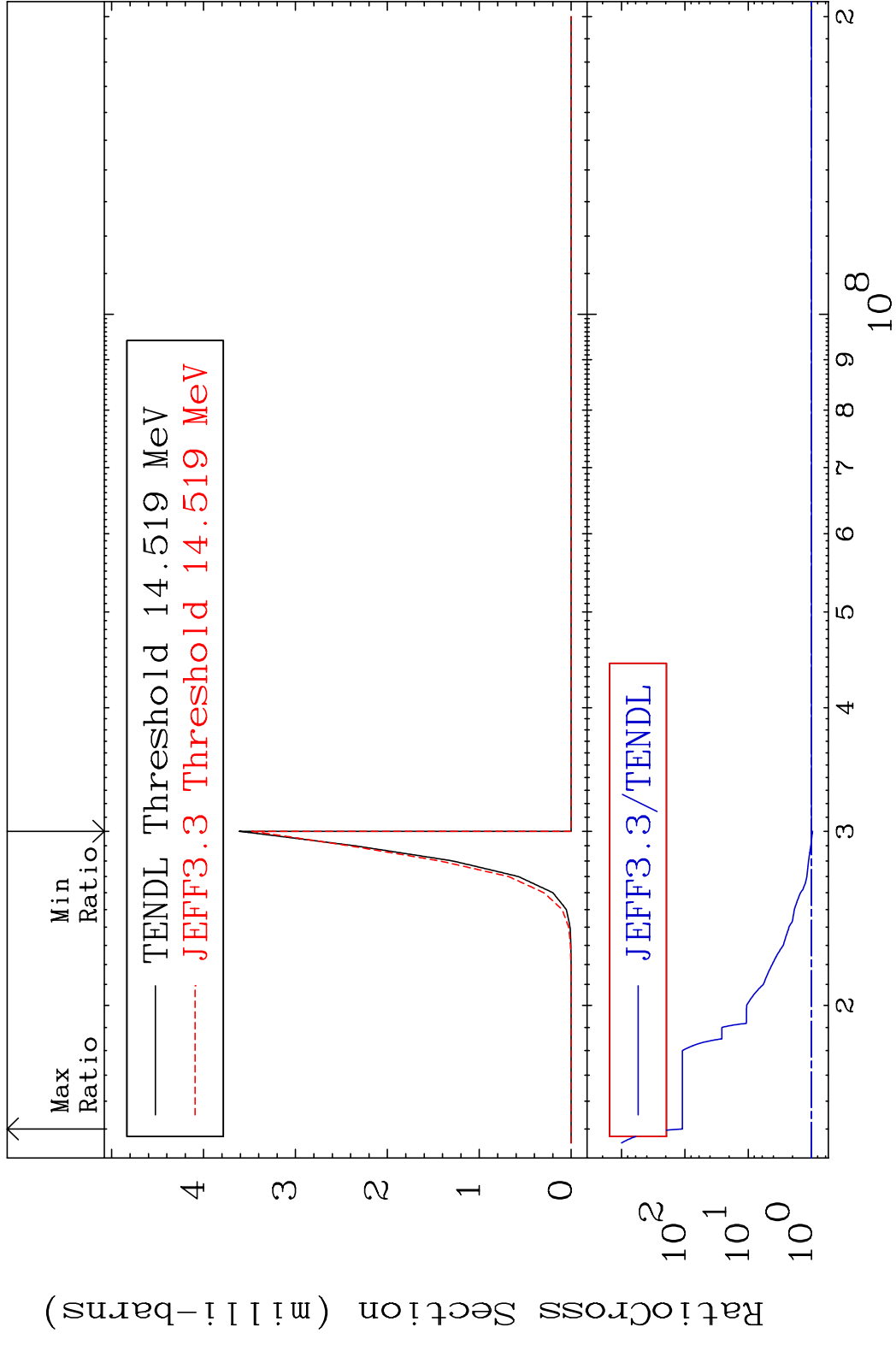
MAT 4425 (n,2n) d:43-Tc-93g 44-Ru-96  
 Radionuclide Production Cross Section to 9999. %



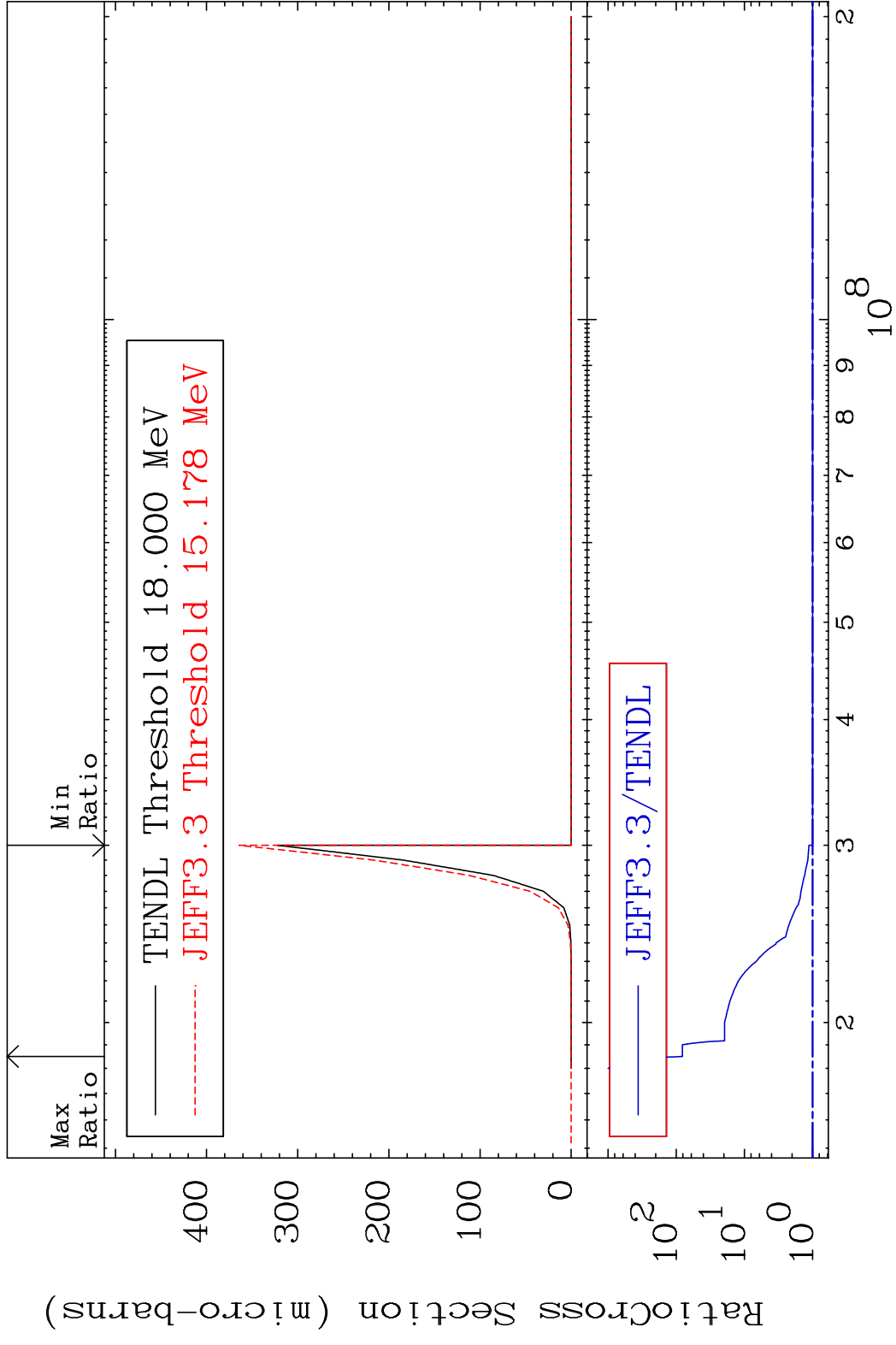
MAT 4425 (n,2n) d:43-Tc-93m1 44-Ru-96  
 Radionuclide Production Cross Section 9999. %



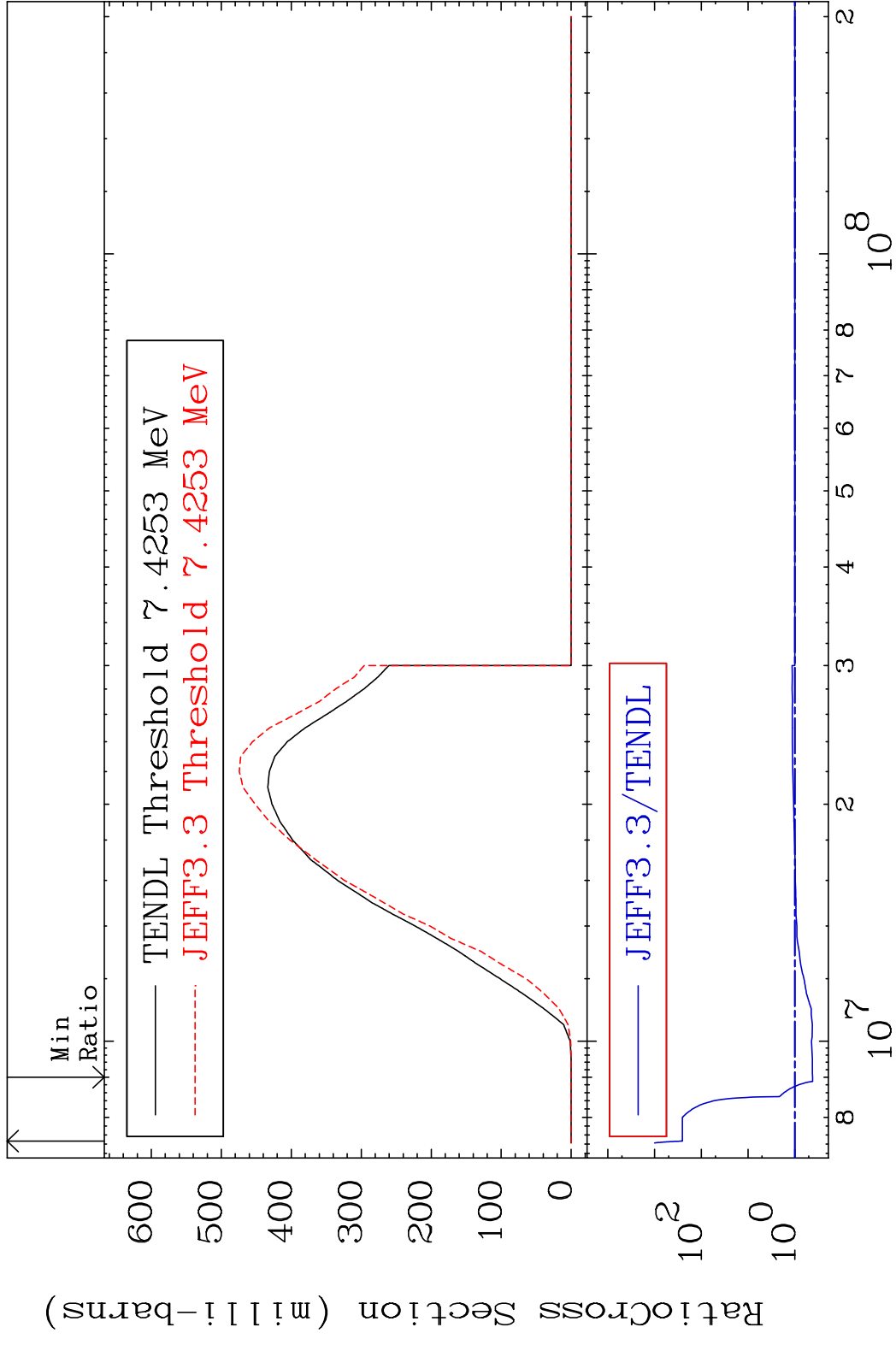
MAT 4425 (n,2n)  $\alpha$ :42-Mo-91g 44-Ru-96  
 Radionuclide Production Cross Section 9999. %

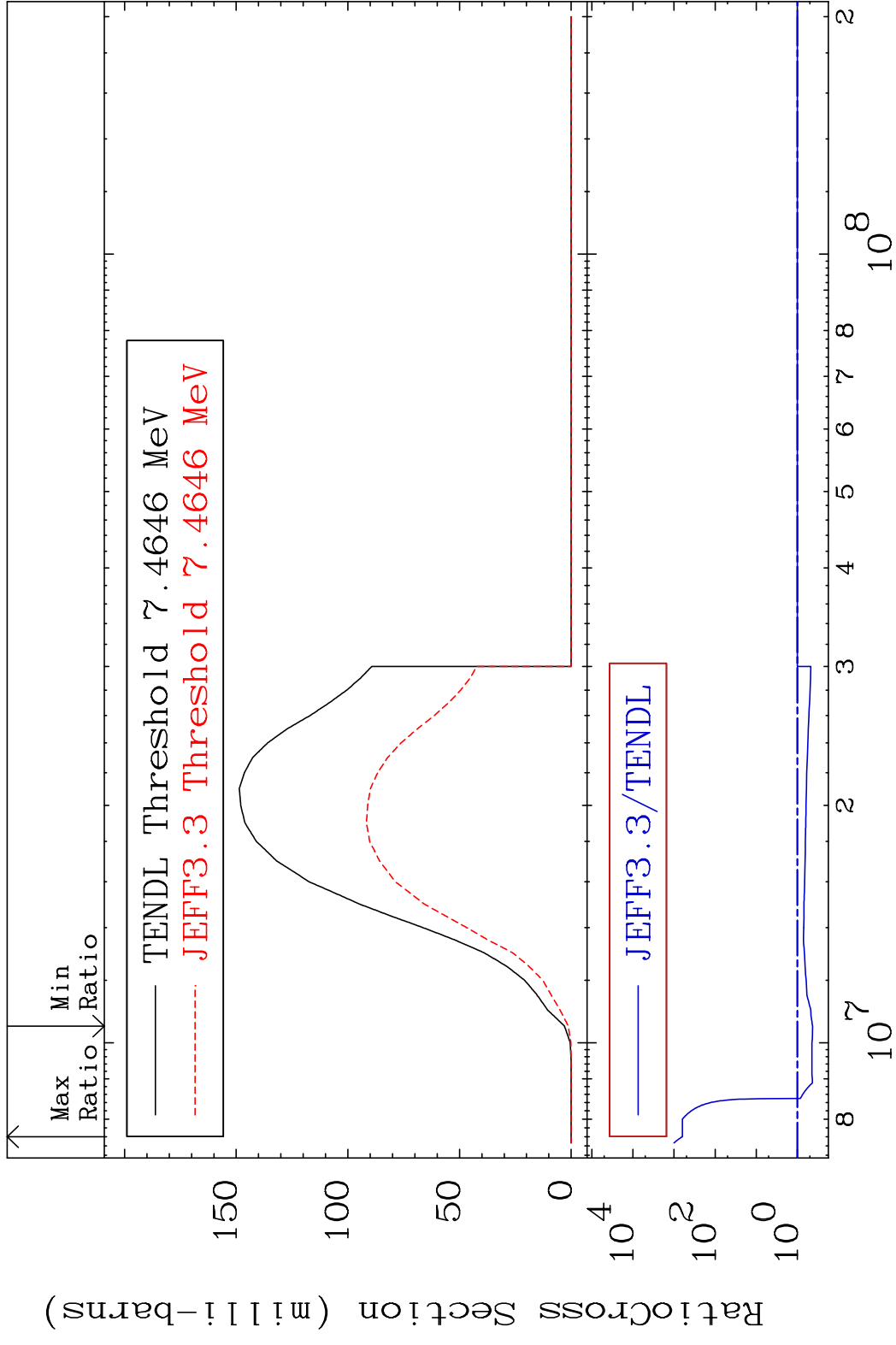


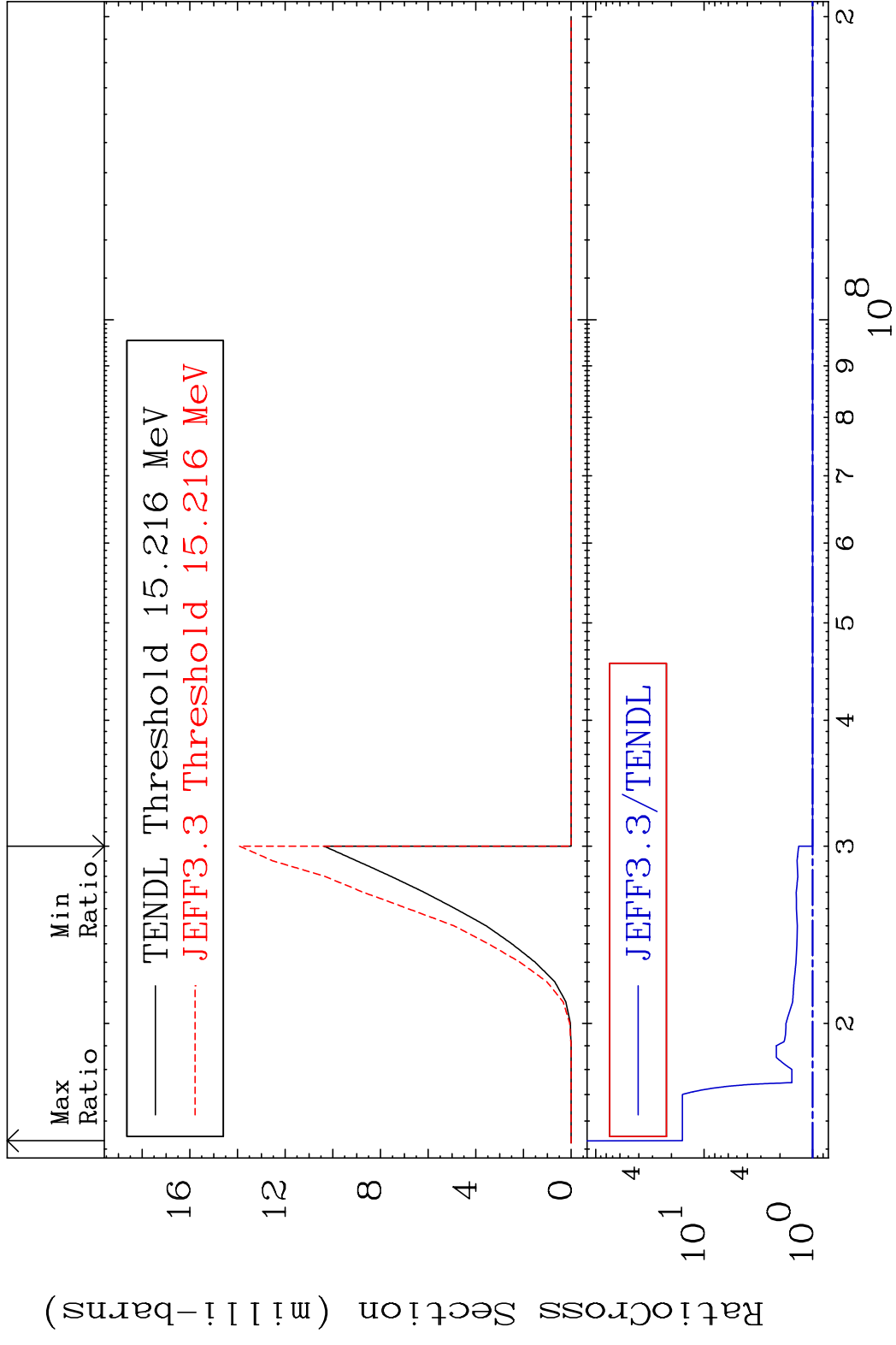


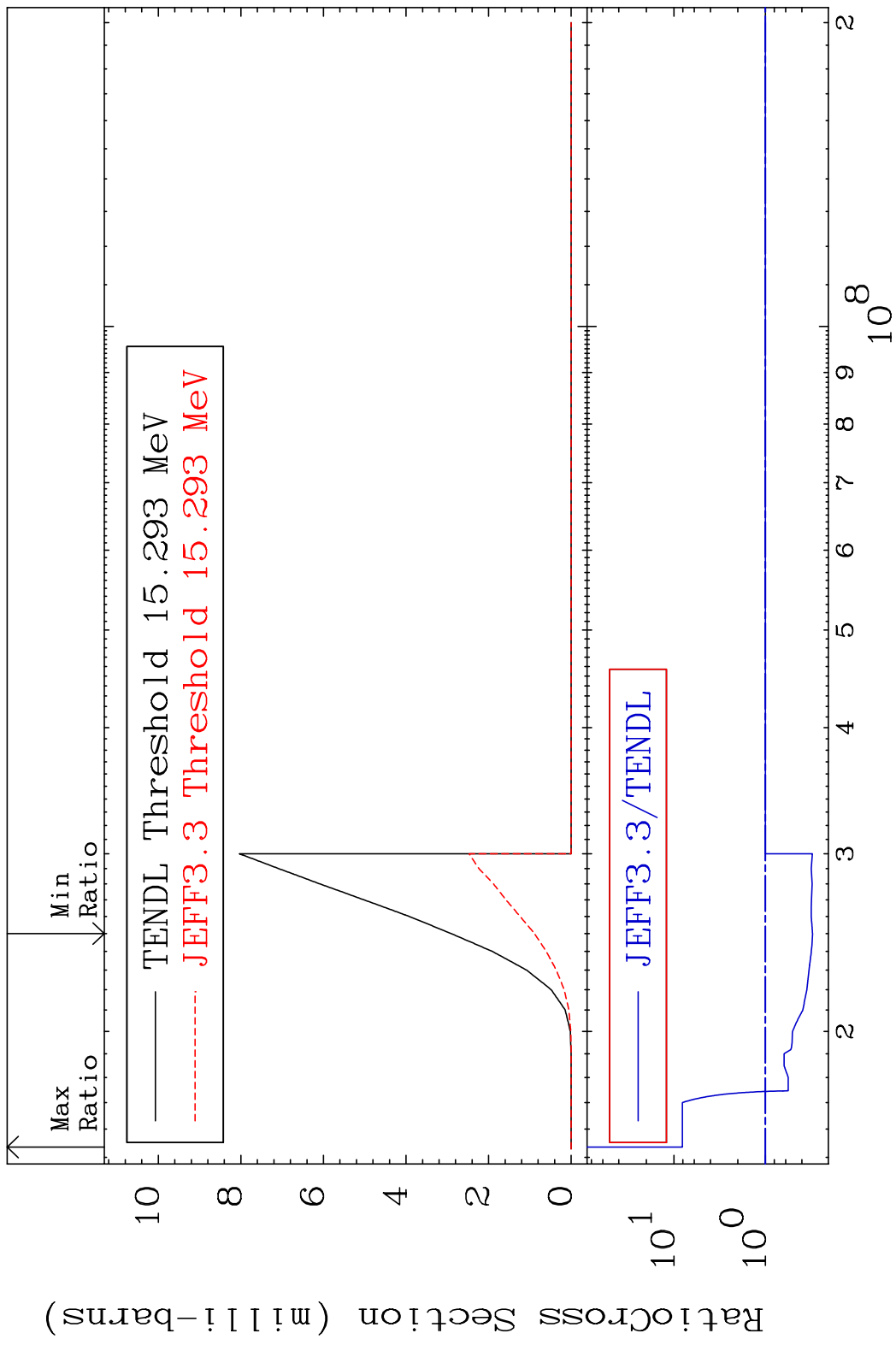


MAT 4425 (n, n') p:43-Tc-95g 44-Ru-96  
 Radionuclide Production Cross Section 58643 d10 9999. %

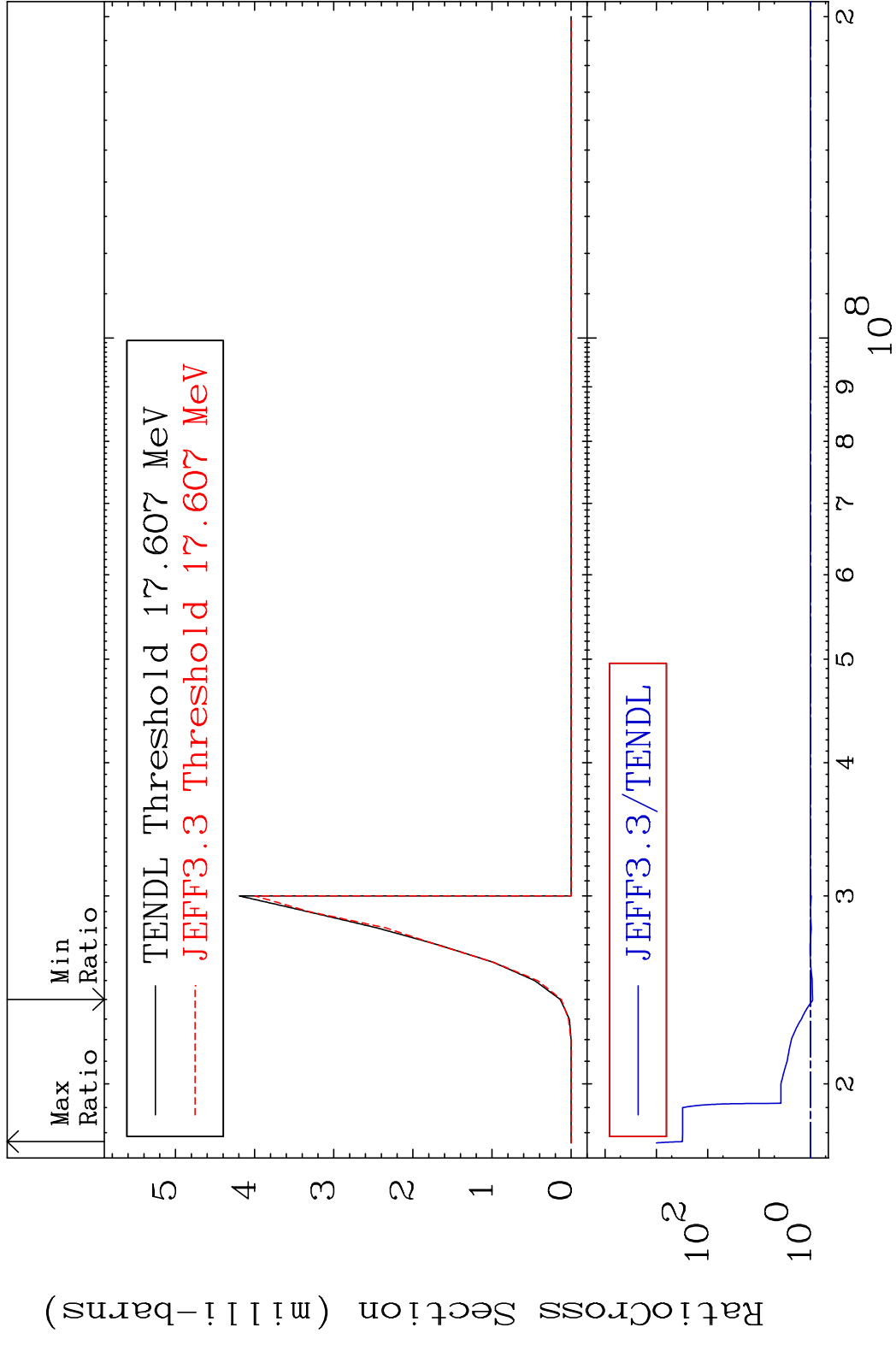


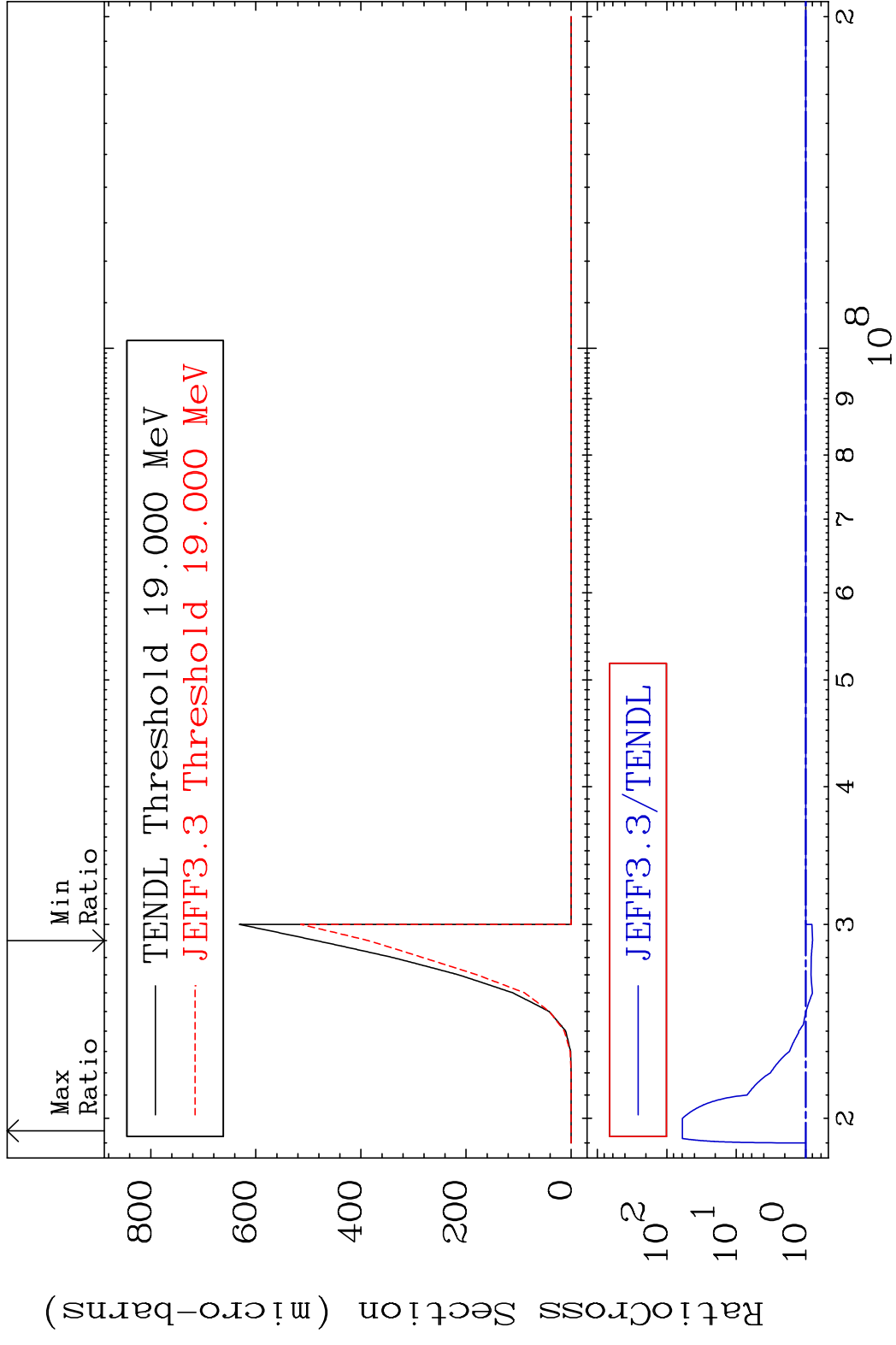


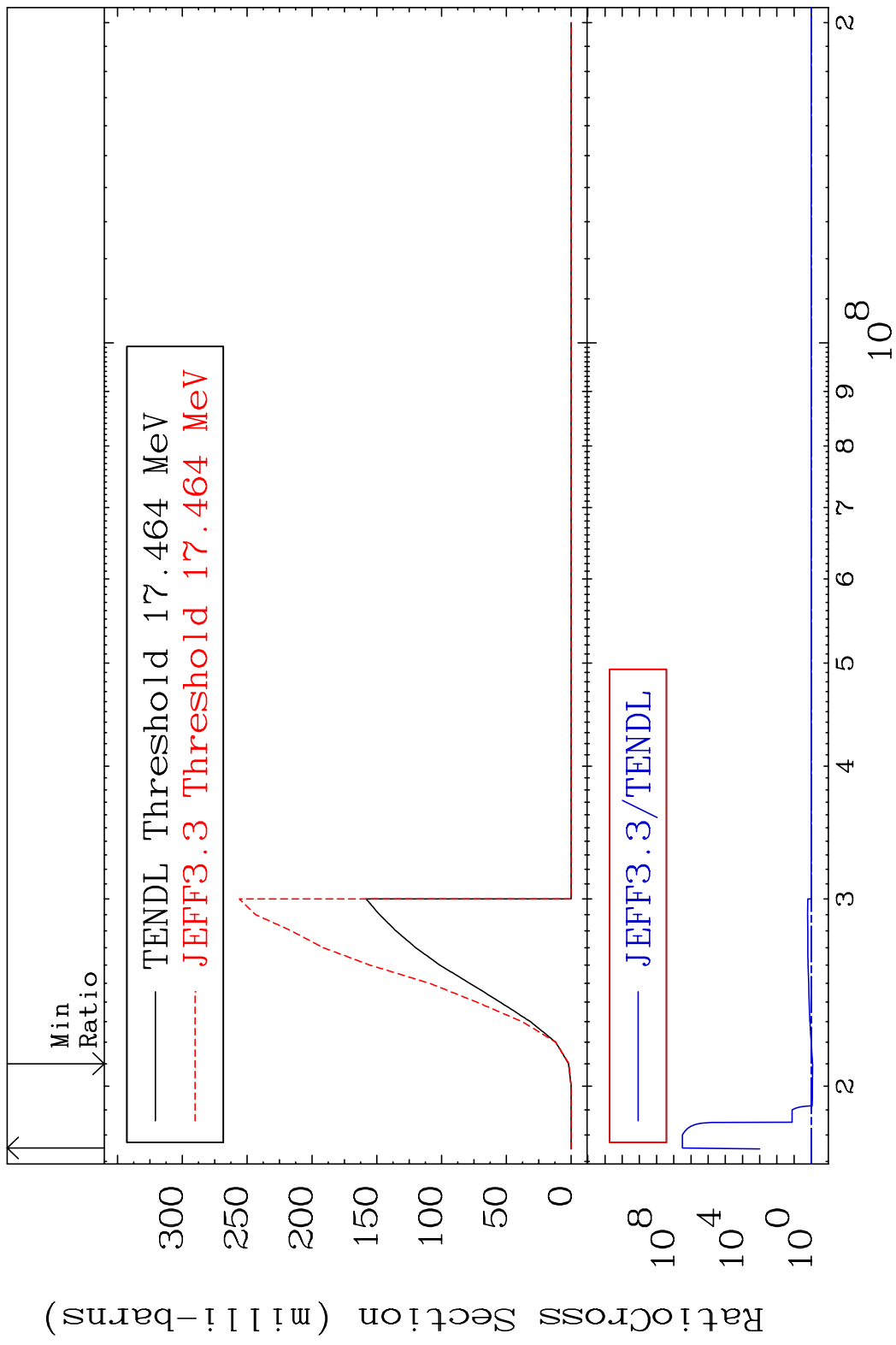




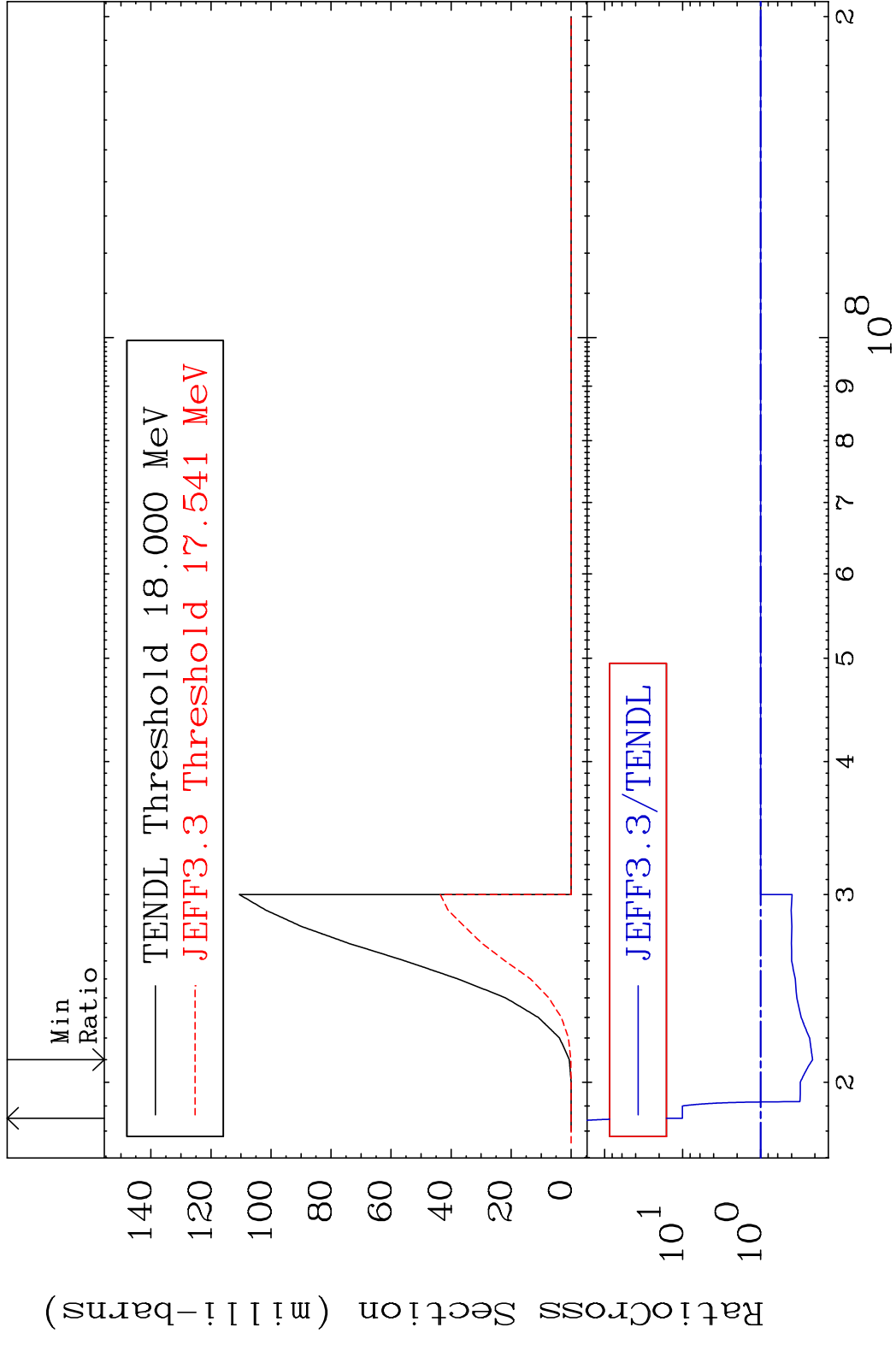
MAT 4425 (n, n') t:43-Tc-93g 44-Ru-96  
 Radionuclide Production Cross Section 950610 9999. %

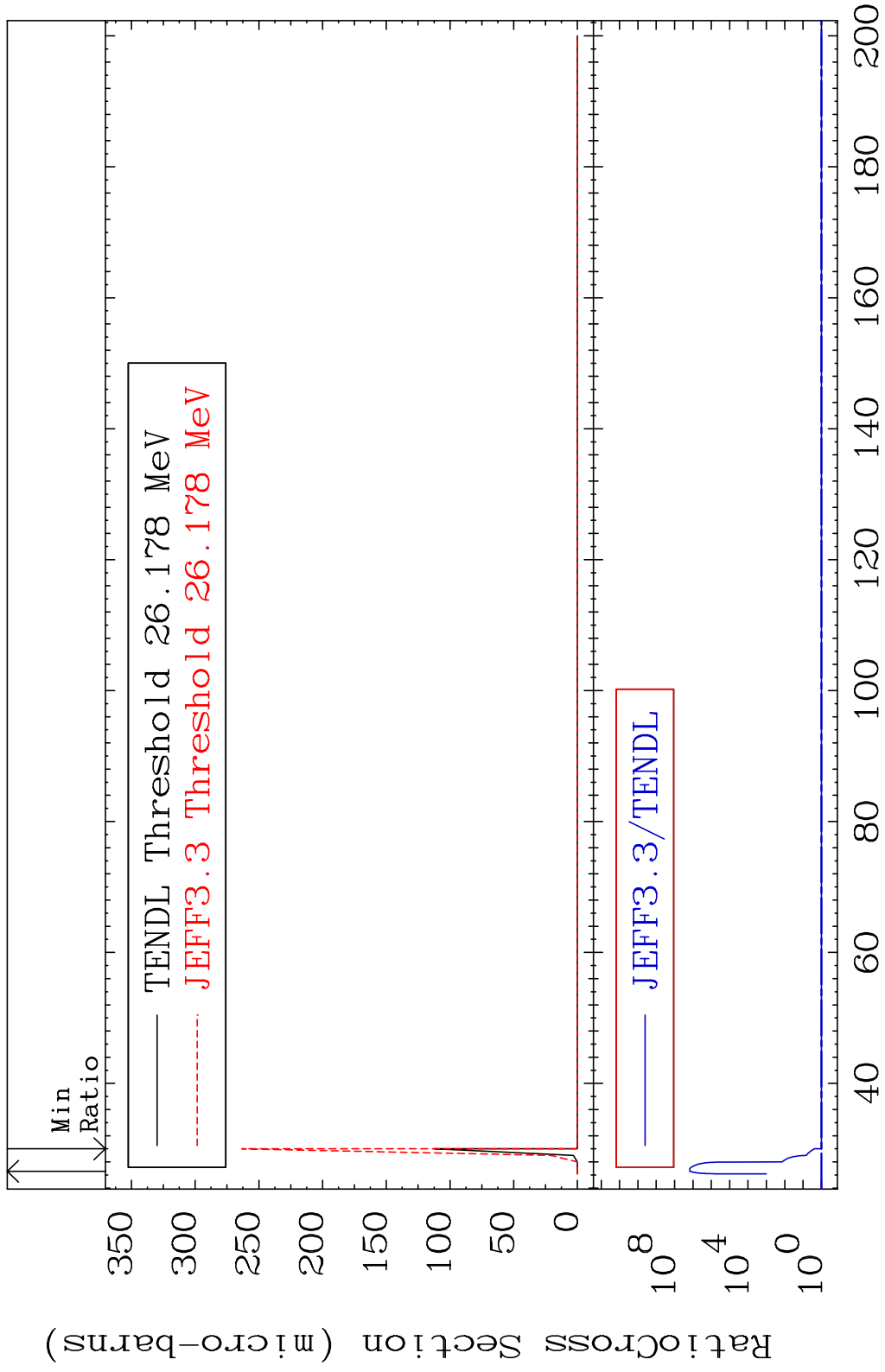




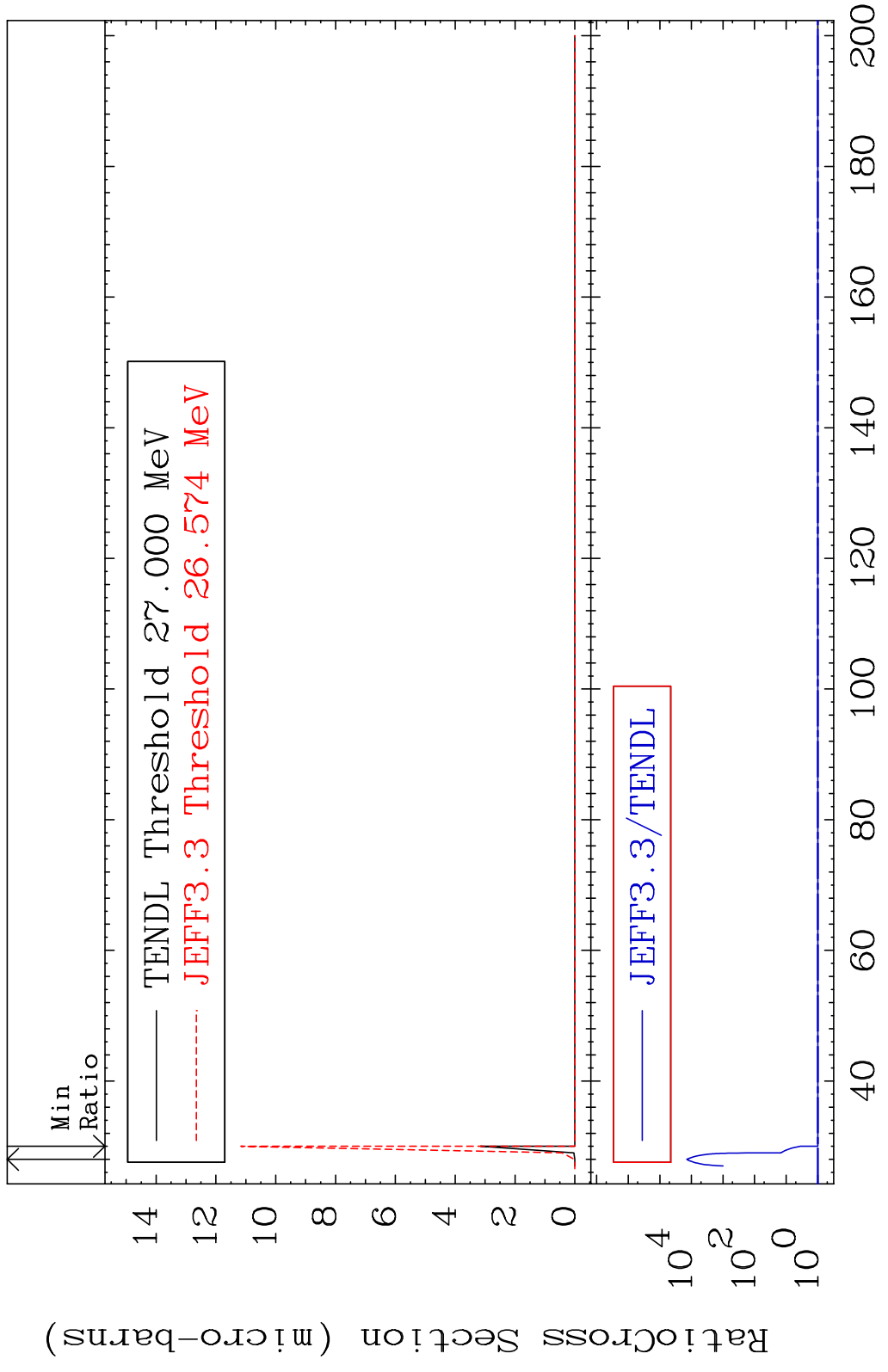






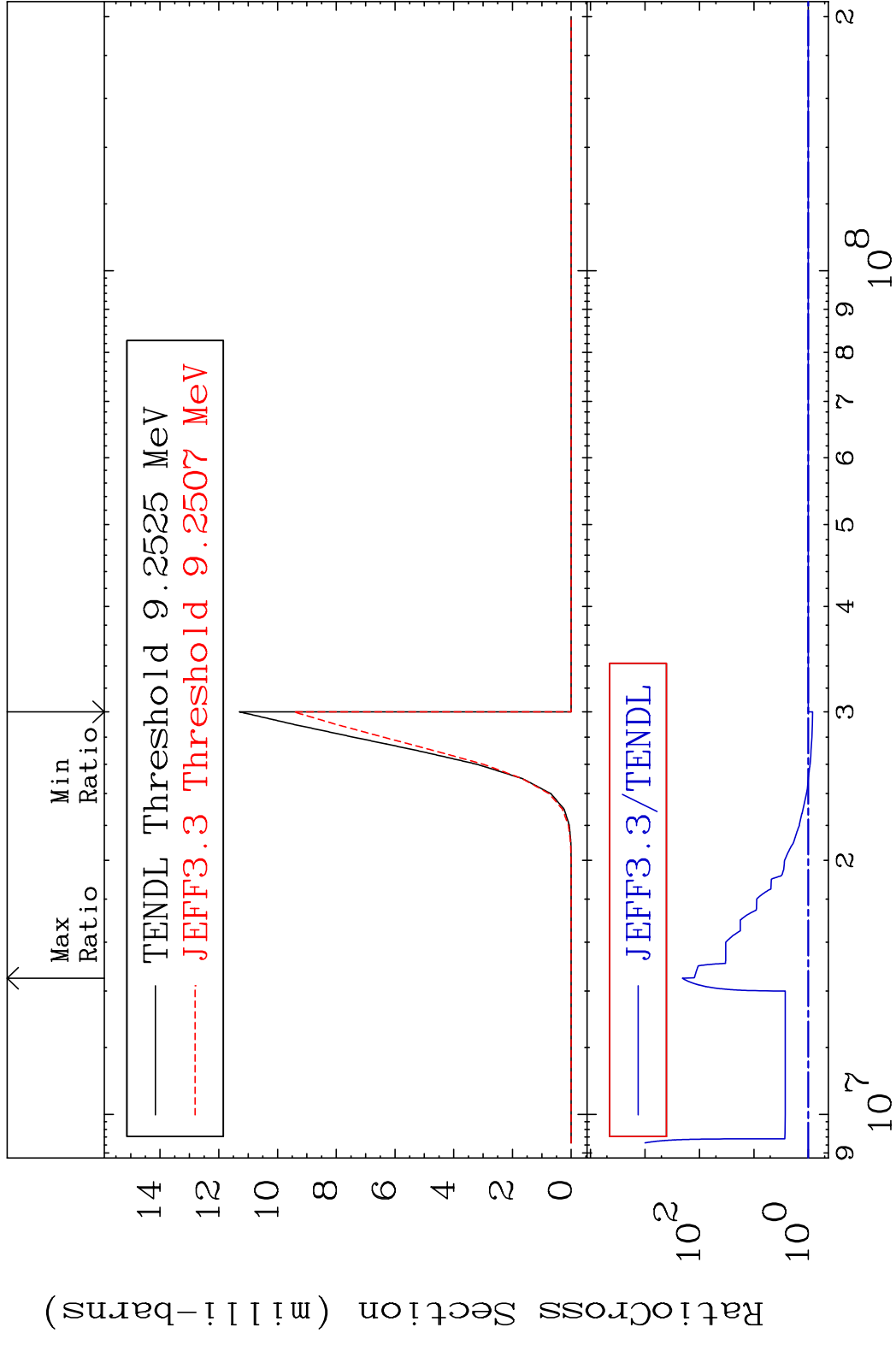


MAT 4425 (n,3n) p:43-Tc-93m1 44-Ru-96  
 Radionuclide Production Cross Section 9999. %



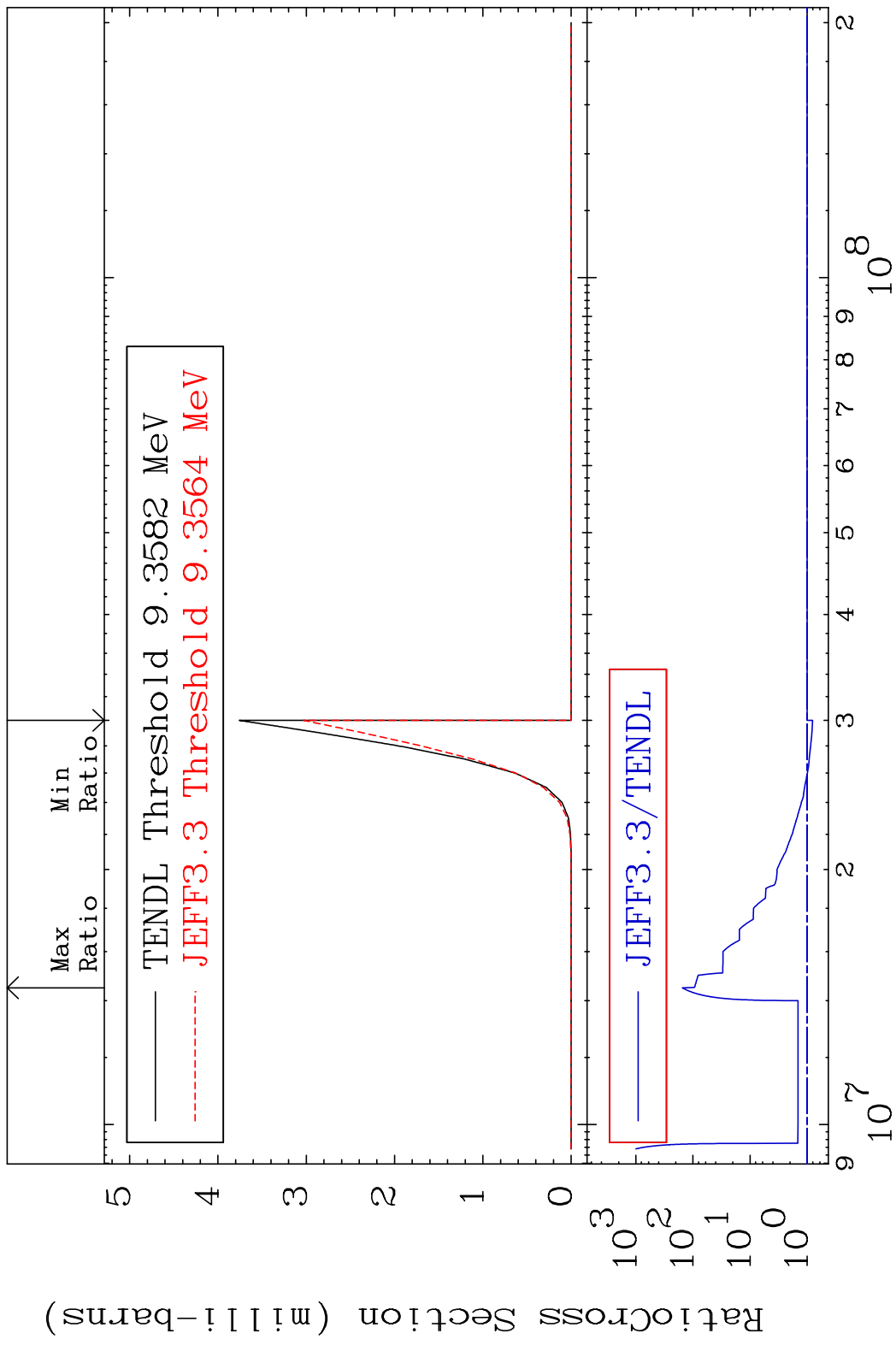
90 Incident Energy (MeV) 44-Ru-96

MAT 4425 (n, n') p  $\alpha$ :41-Nb-91g 44-Ru-96  
 Radionuclide Production Cross Section 186-Md-91 9999. %

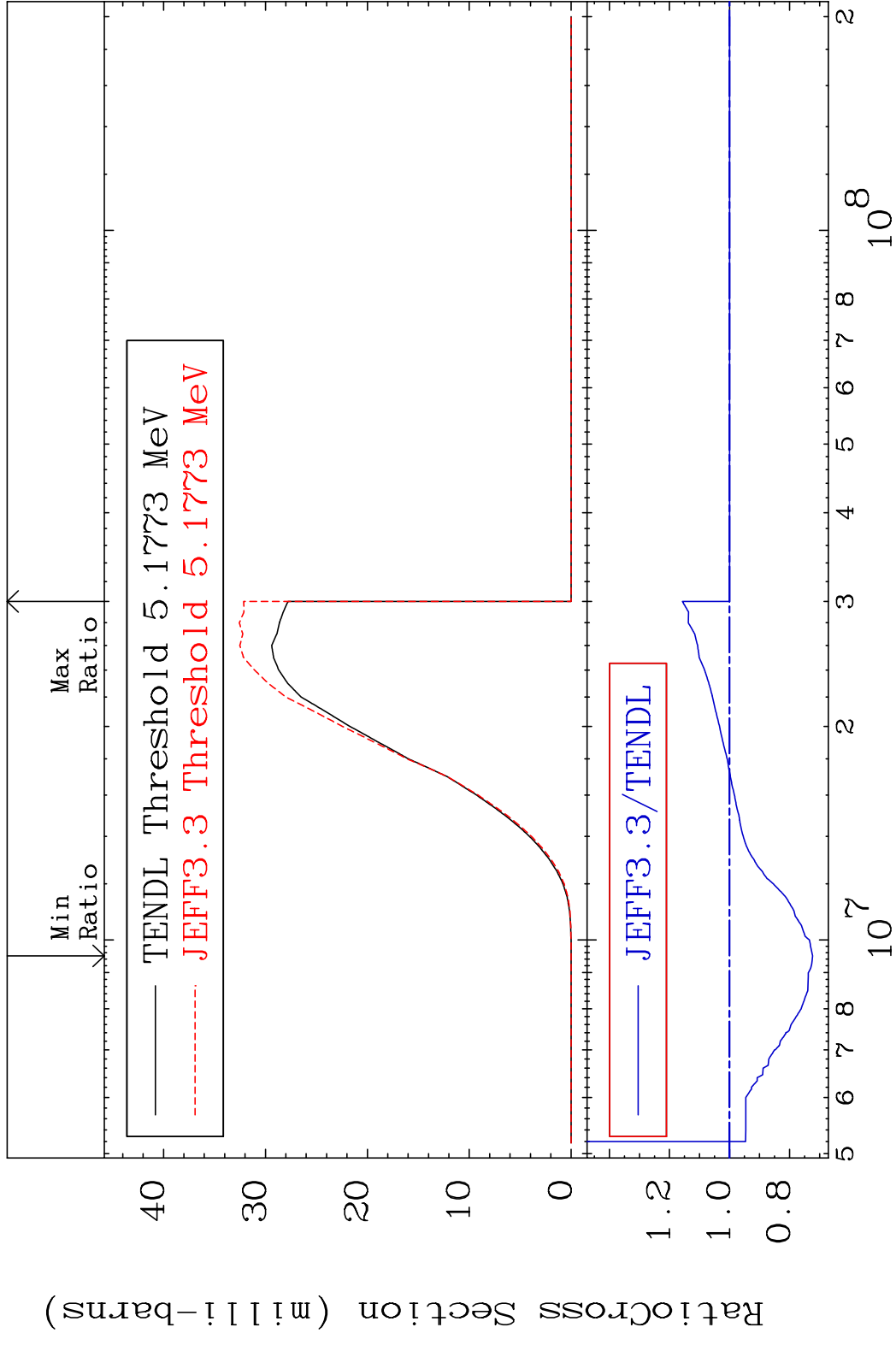


91 44-Ru-96

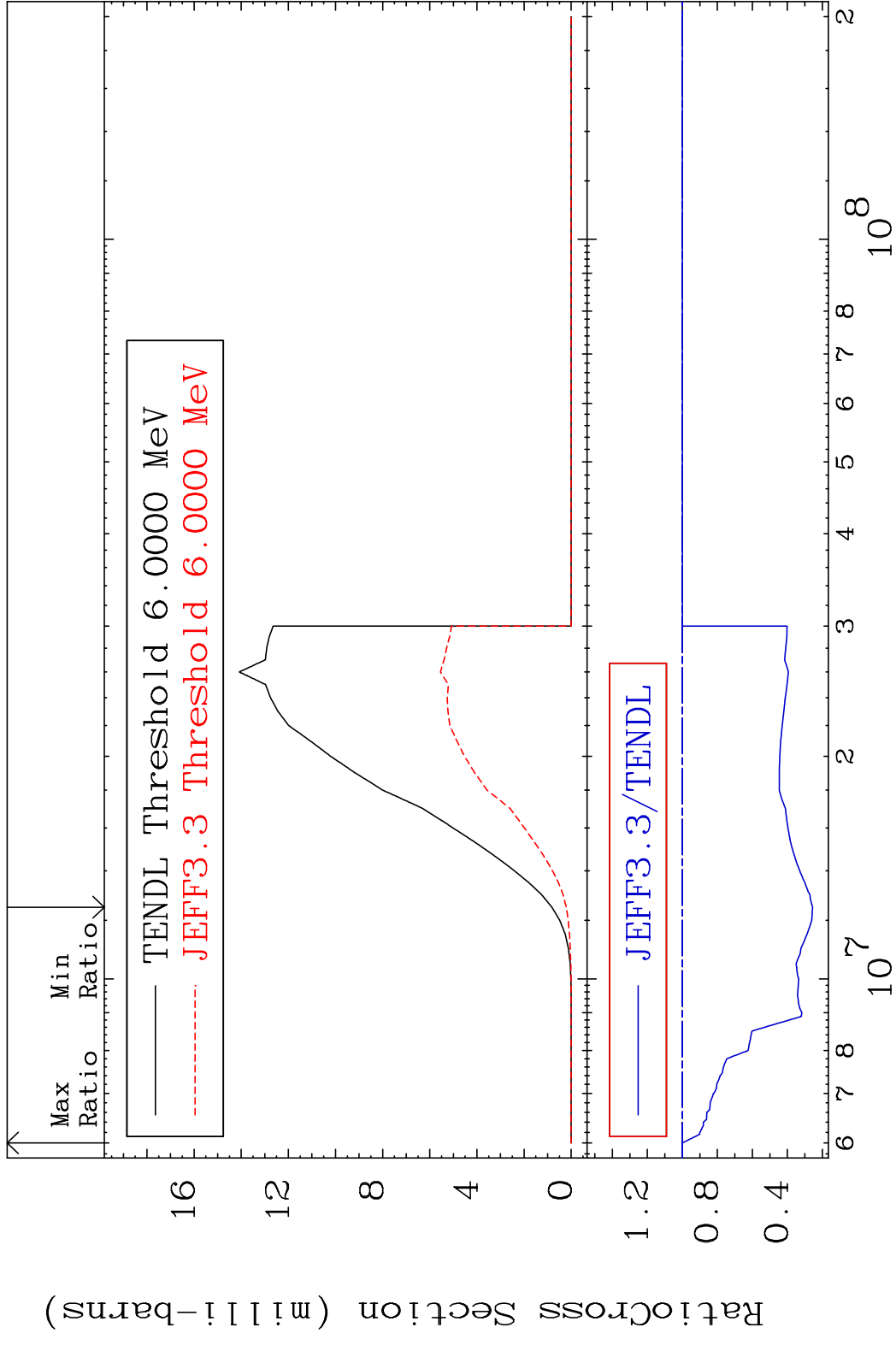
MAT 4425 (n, n') p  $\alpha$ : 41-Nb-91m1 44-Ru-96  
 Radionuclide Production Cross Section to 9999. %



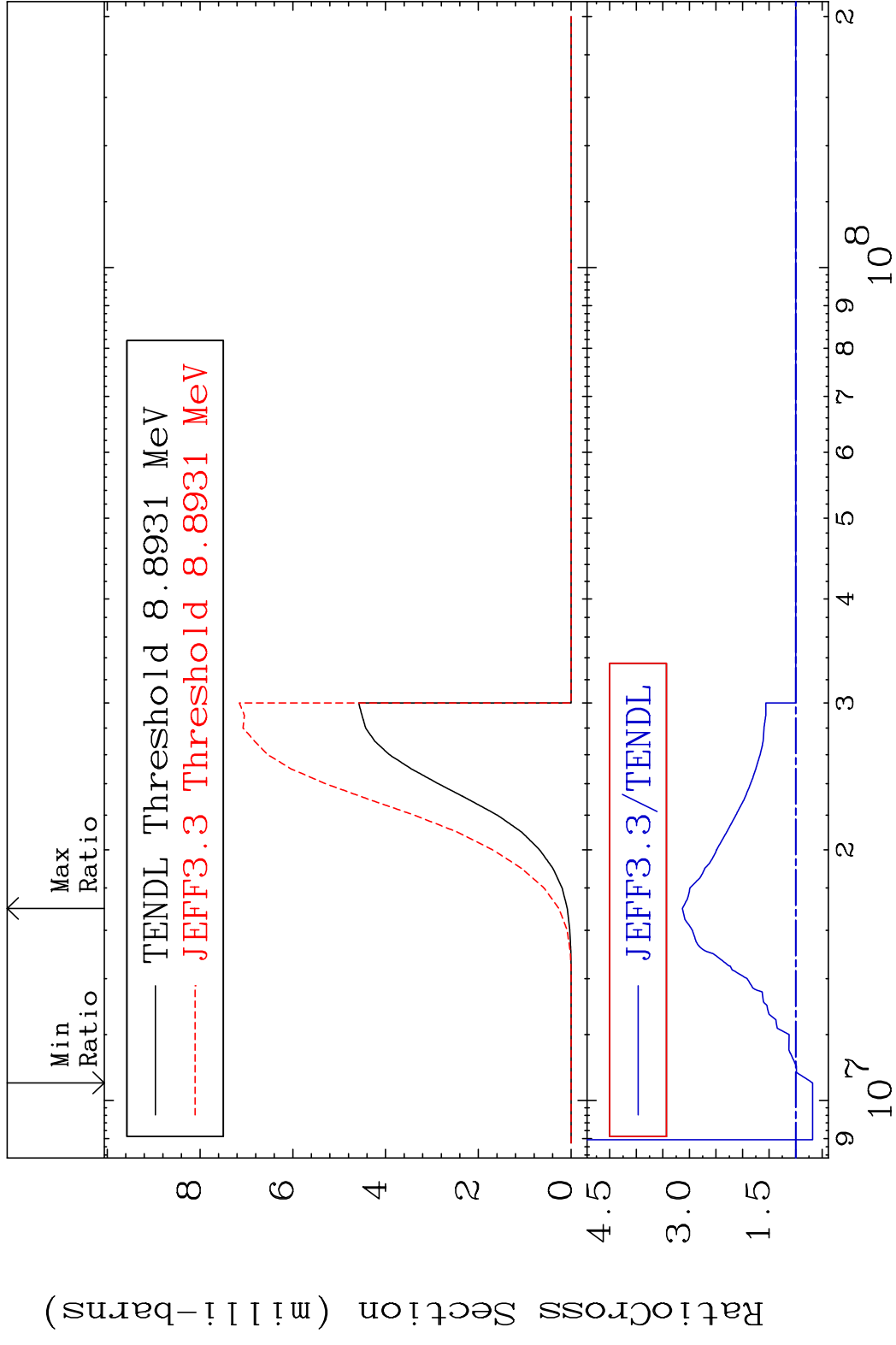
92 44-Ru-96



MAT 4425 (n, d) : 43-Tc-95m1 44-Ru-96  
 Radionuclide Production Cross Section 0.000 %



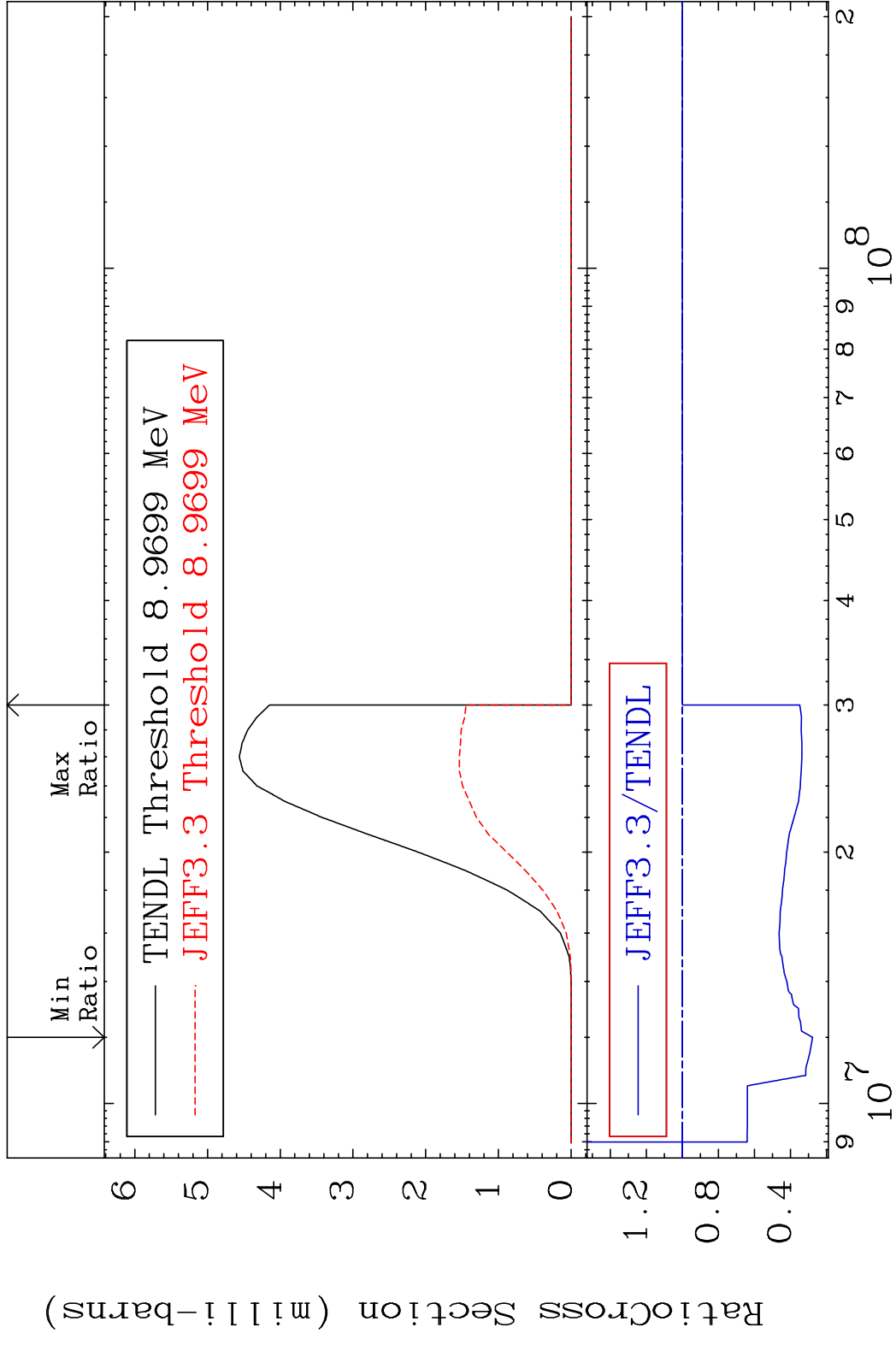
MAT 4425 (n, t): 43-Tc-94g 44-Ru-96  
 Radionuclide Production Cross Section 213.3 %



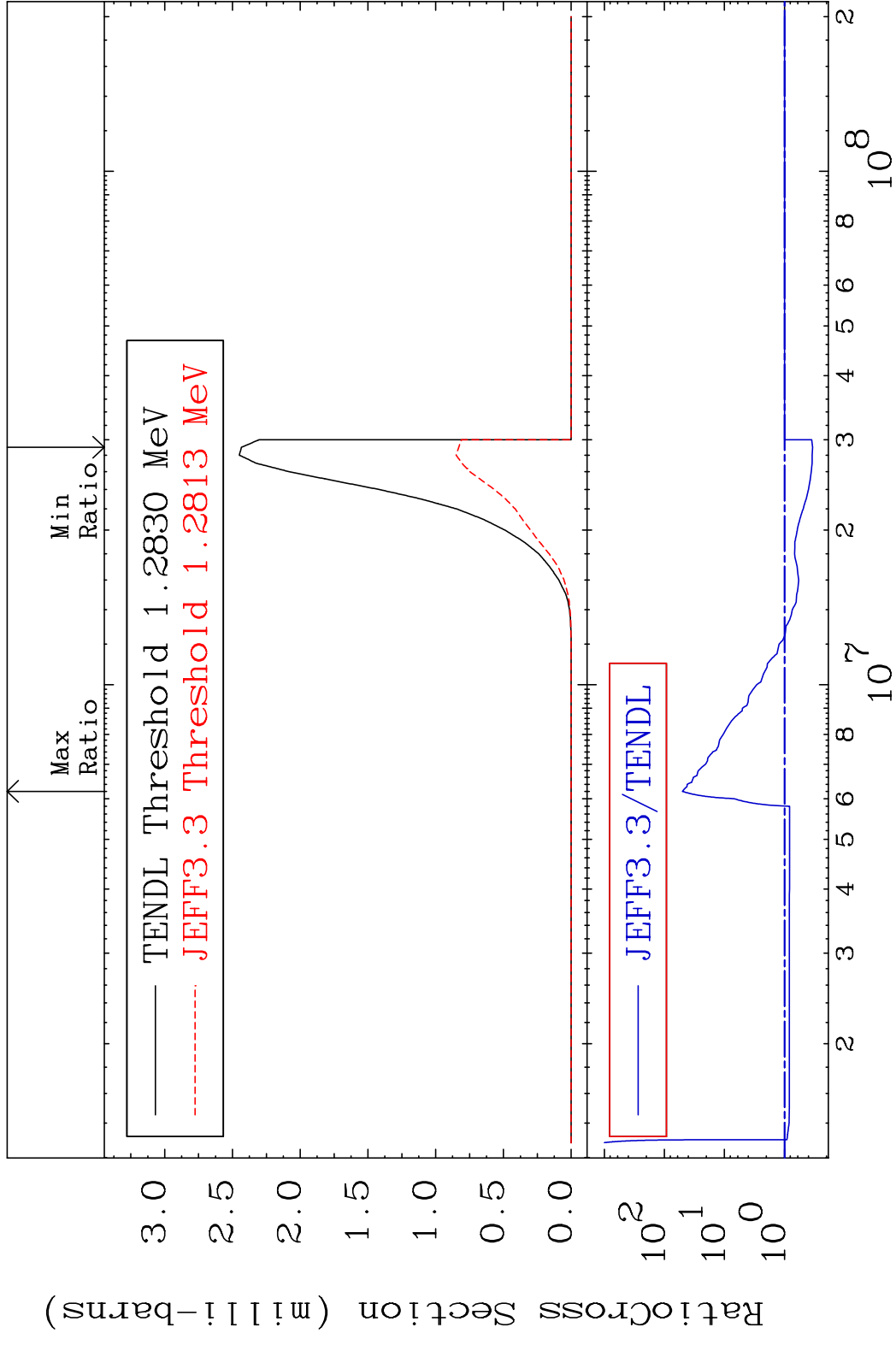
95 Incident Energy (eV) 44-Ru-96



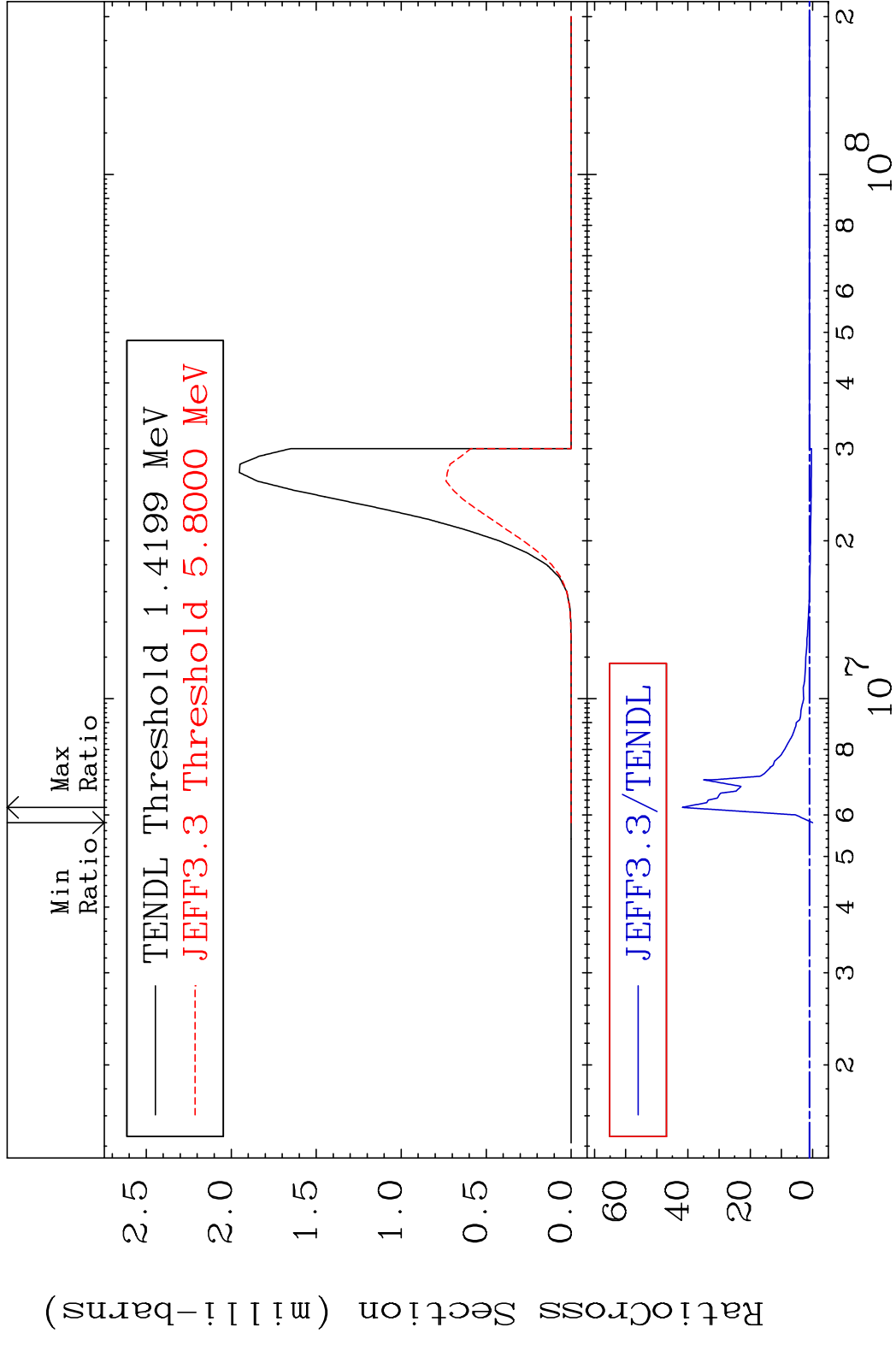
MAT 4425 (n, t): 43-Tc-94m1 44-Ru-96  
 Radionuclide Production Cross Section 0.000 %

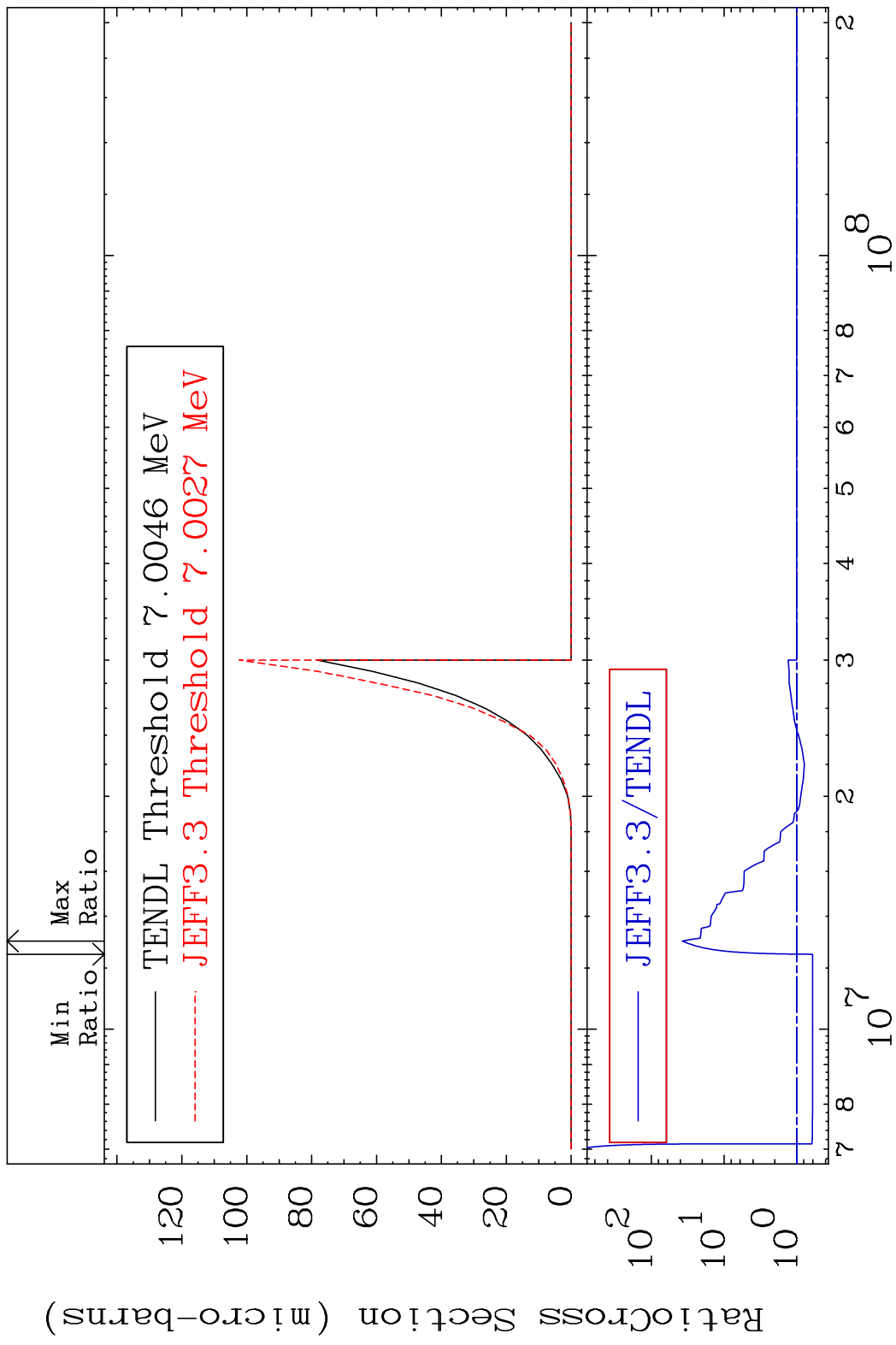


96 Incident Energy (eV) 44-Ru-96



MAT 4425 (n, p)  $\alpha$ :41-Nb-92m1 44-Ru-96  
 Radionuclide Production Cross Section 4080. %





MAT 4425 (n, d)  $\alpha$ :41-Nb-91m1 44-Ru-96  
 Radionuclide Production Cross Section 180.01 d10 2611. %

