

Program Complot  
(Version 2021-1)

by

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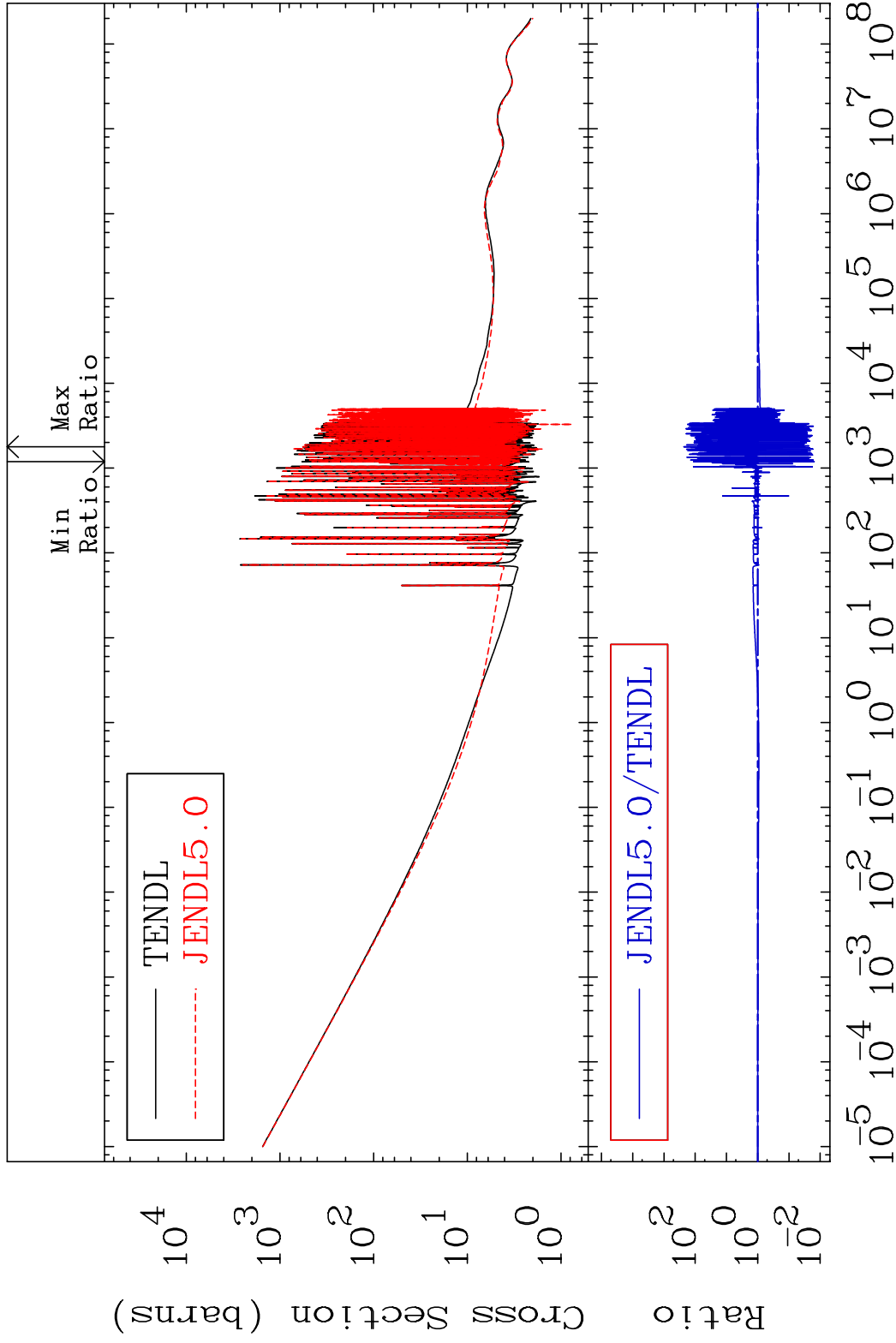
Press Mouse Button to Start

MAT 5331

Total

53-I -129

Cross Section -98.43 To 9999. %



1

Incident Energy (eV)

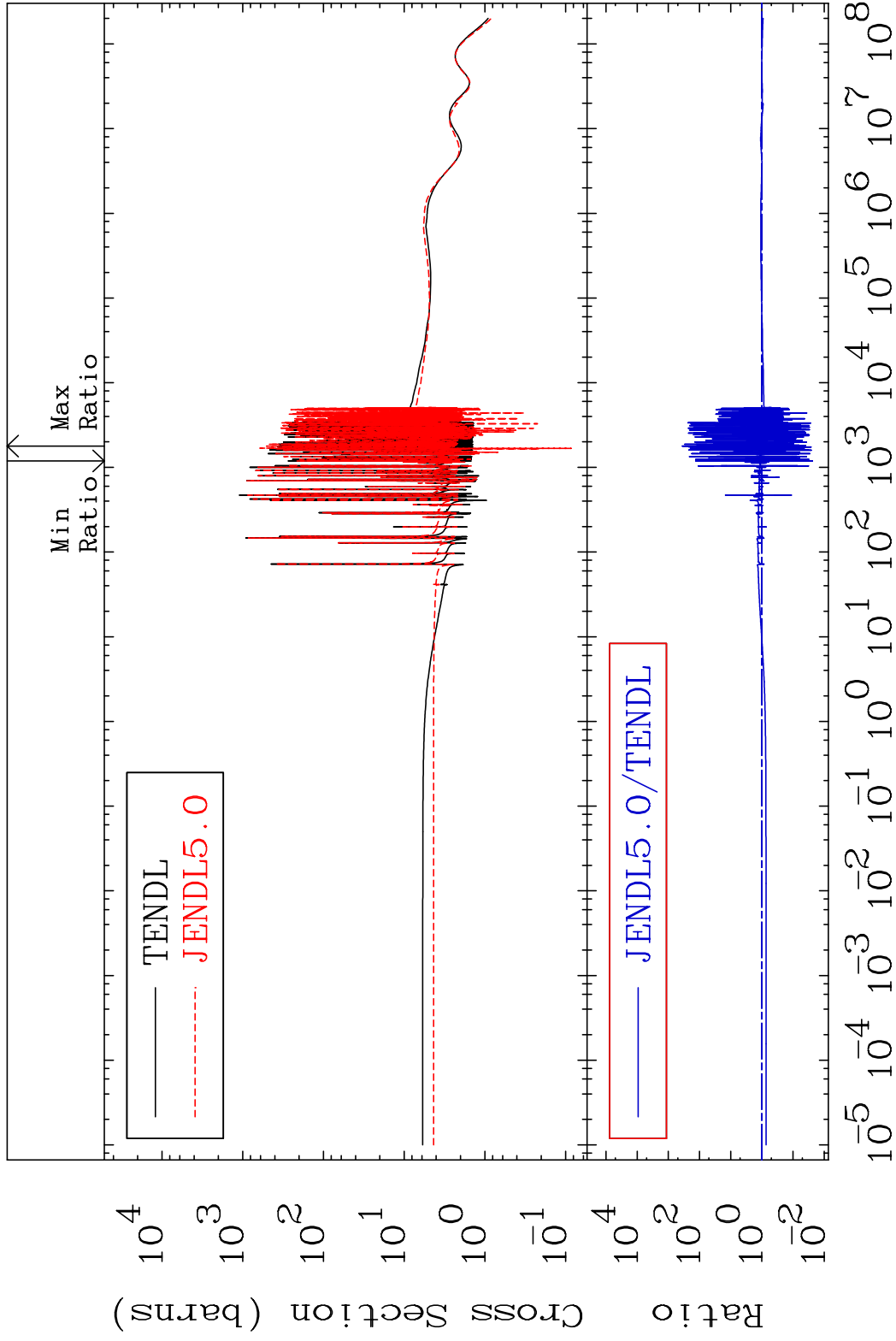
53-I -129

MAT 5331

Elastic

53-I -129

Cross Section -97.64 To 9999. %

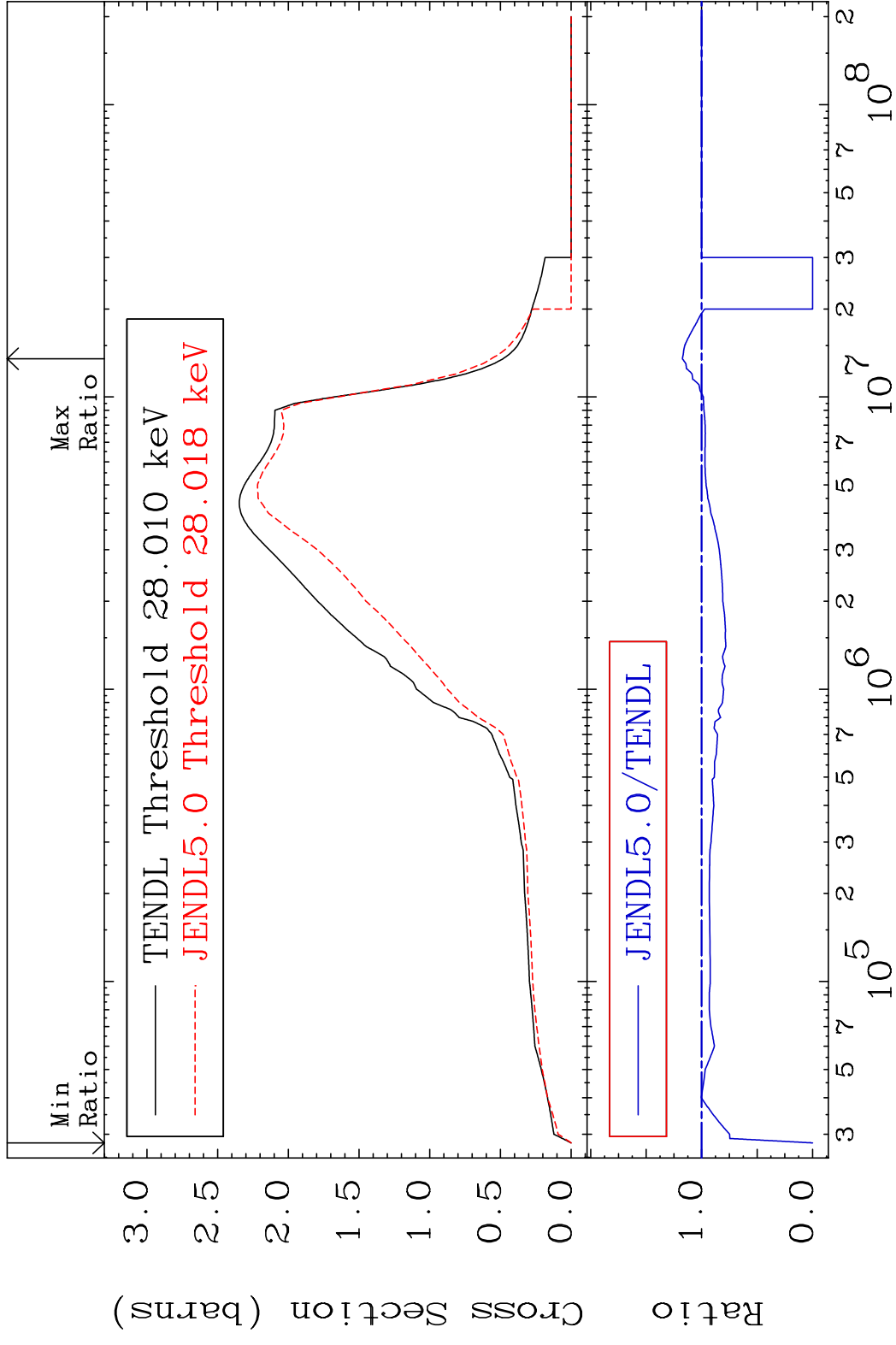


2

Incident Energy (eV)

53-I -129

MAT 5331 Inelastic 53-I -129  
 Cross Section -100.0 To 17.39 %



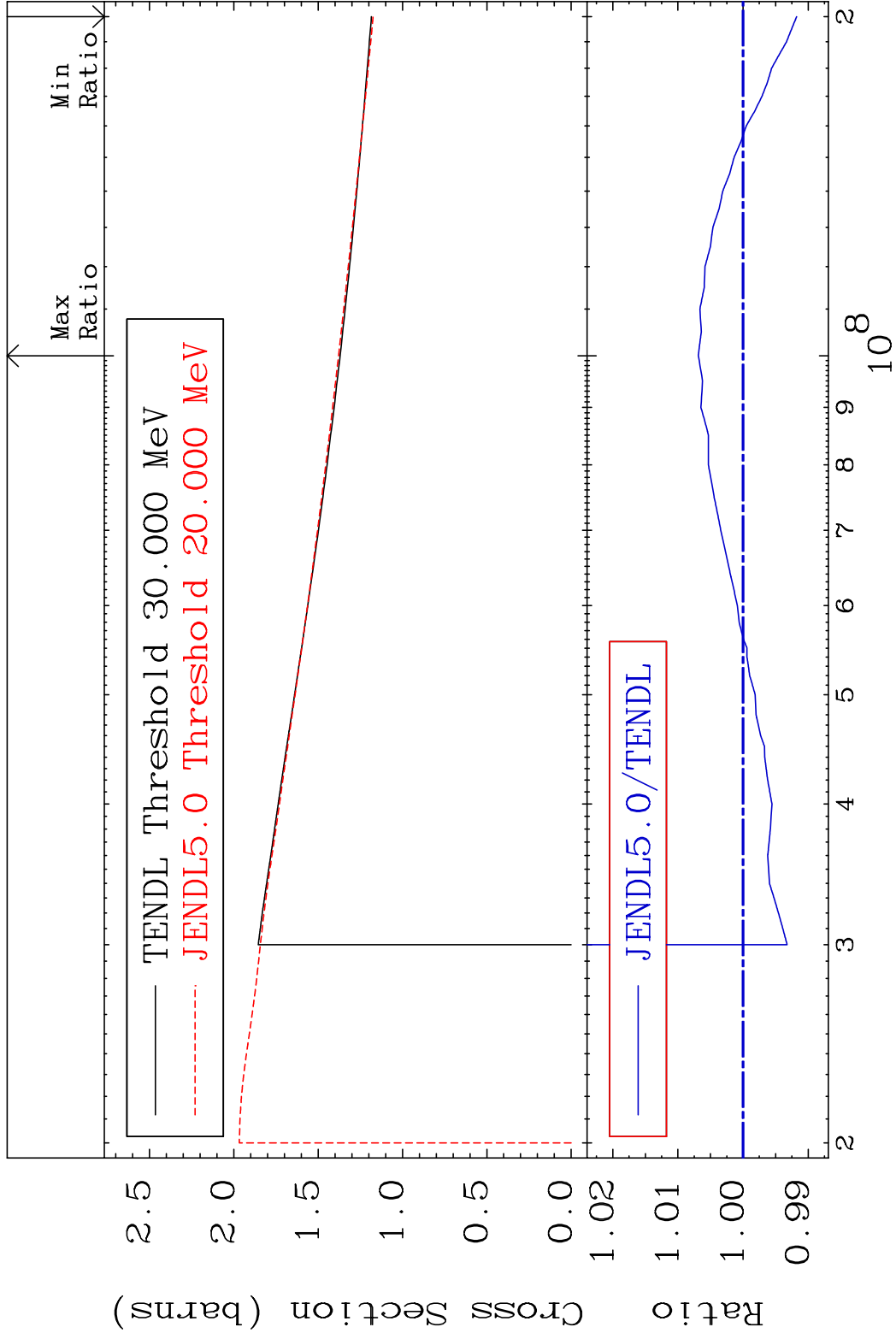
3 3 Incident Energy (eV) 53-I -129

MAT 5331

(n, remainder)

53-I -129

Cross Section -0.822 To 0.687 %



4

Incident Energy (eV)

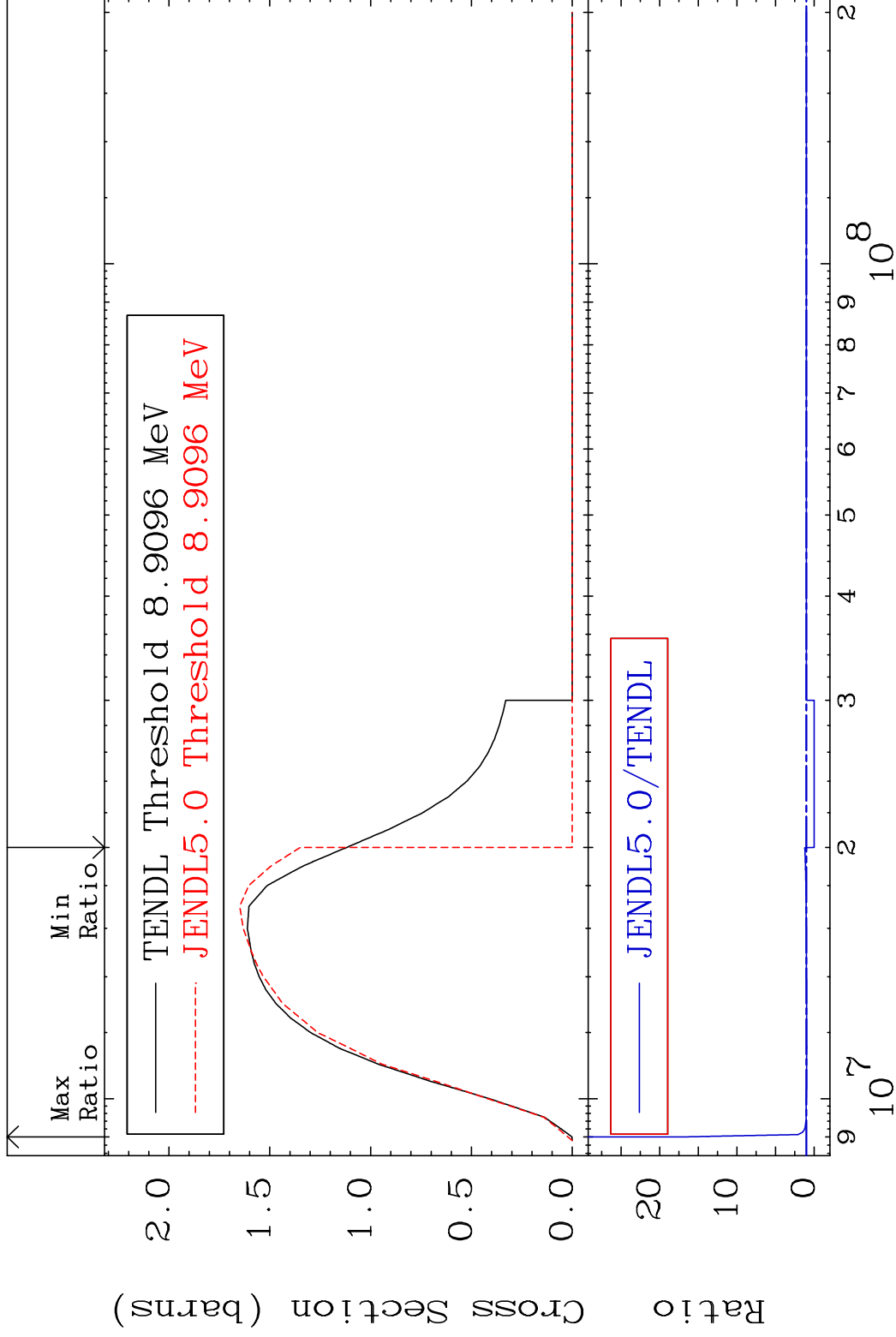
53-I -129

MAT 5331

(n,2n)

53-I -129

Cross Section -100.0 To 1589. %



5

Incident Energy (eV)

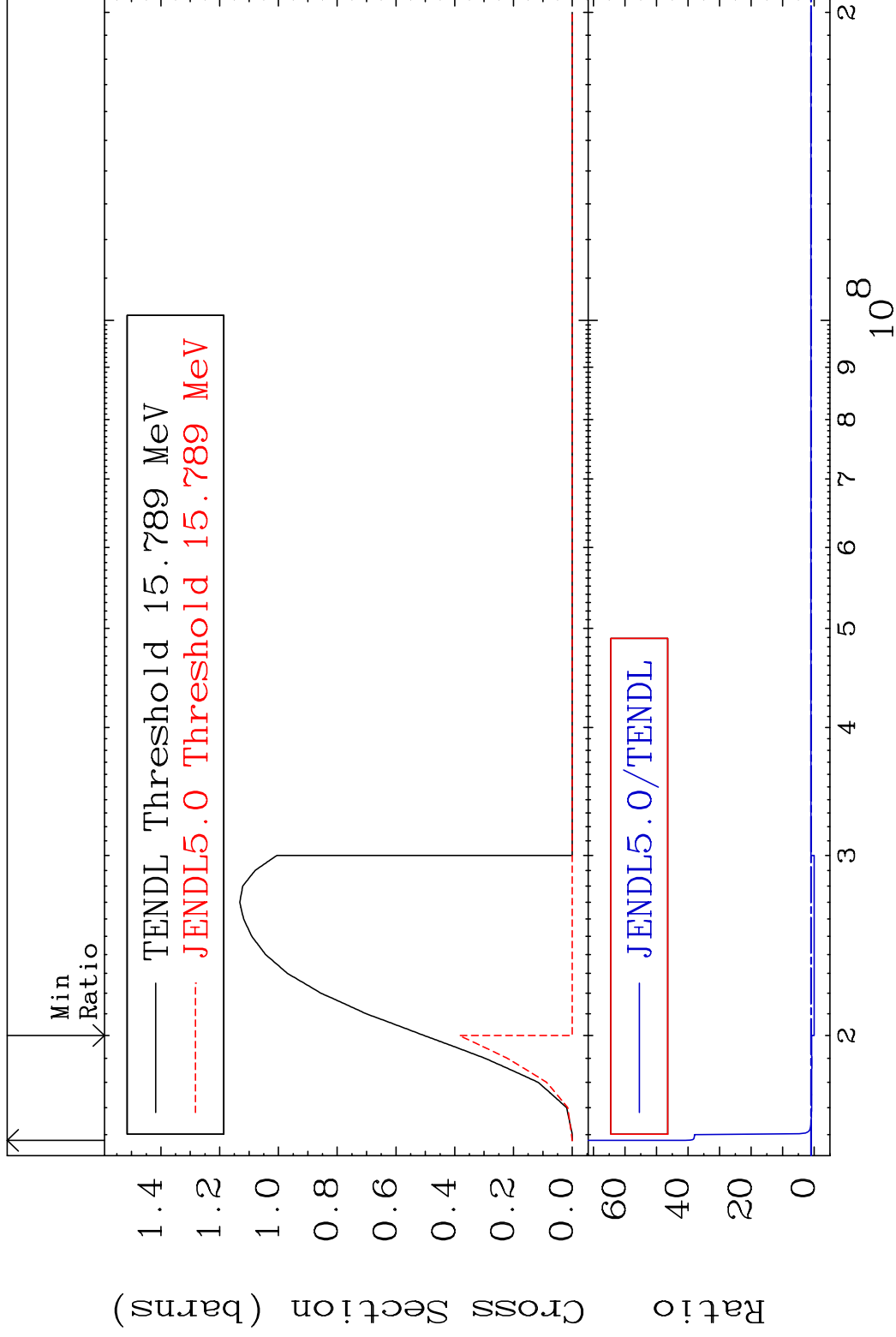
53-I -129

MAT 5331

(n,3n)

53-I -129

Cross Section -100.0 To 4040. %



6

Incident Energy (eV)

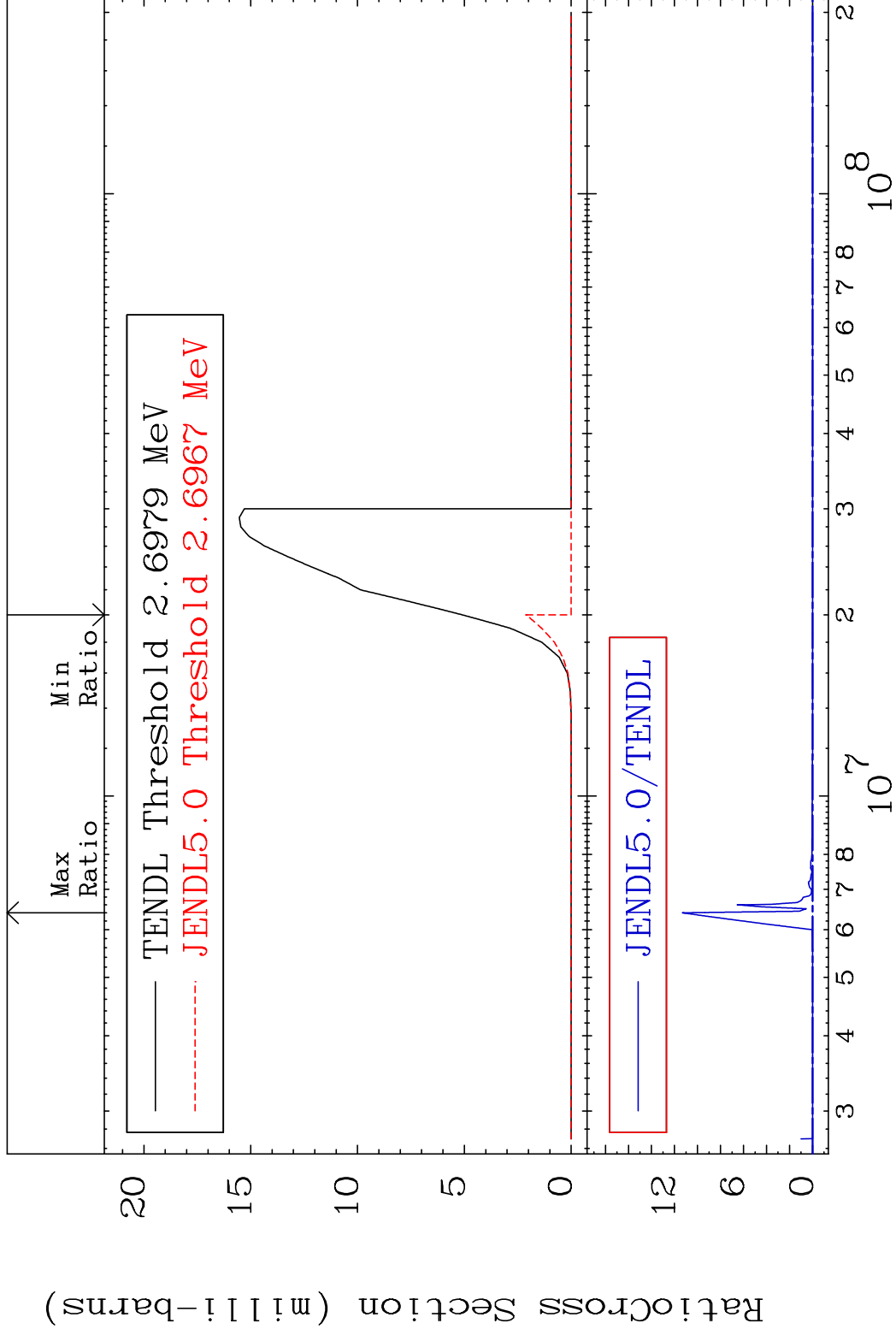
53-I -129

MAT 5331

(n, n')  $\alpha$

53-I -129

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

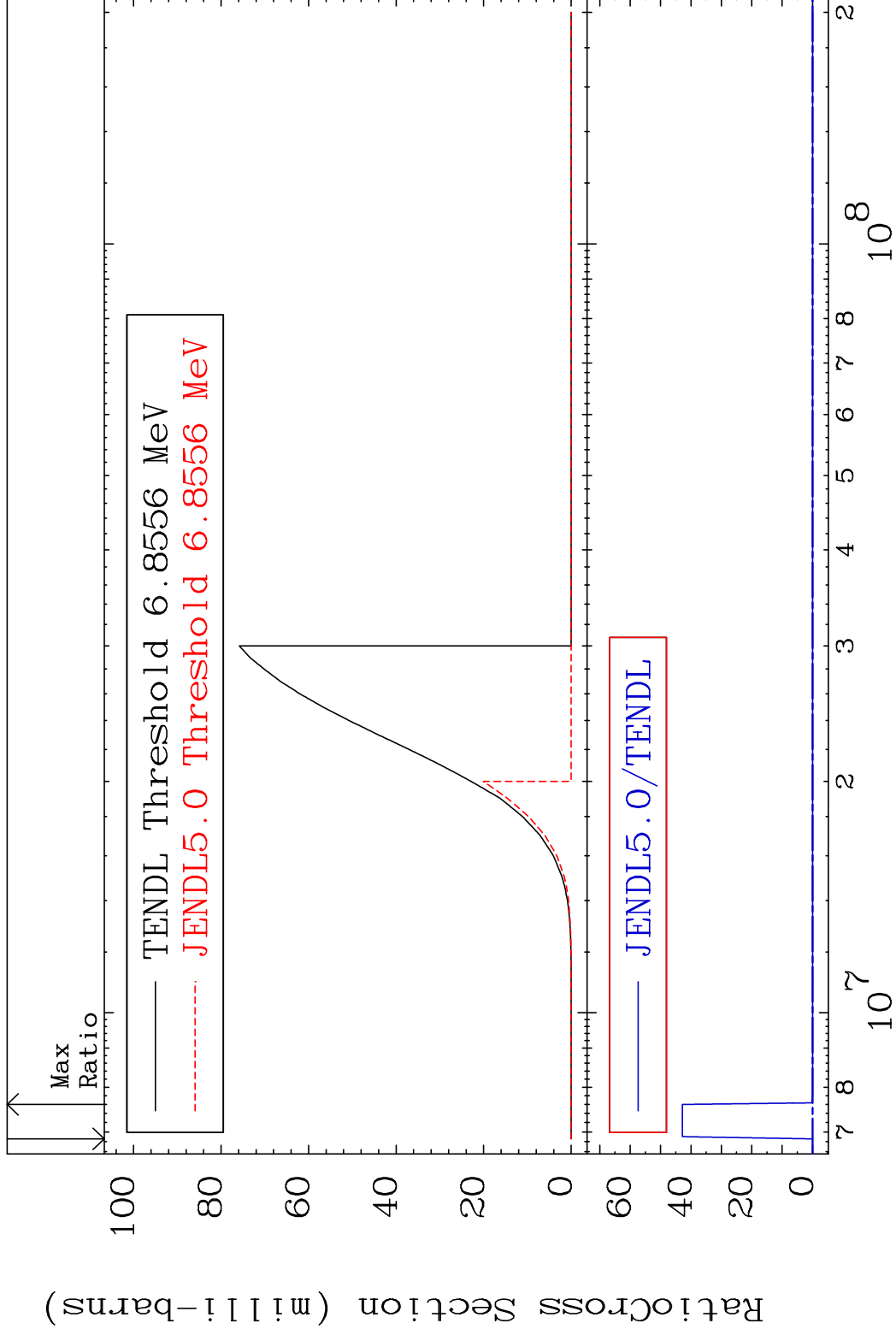
53-I -129

MAT 5331

(n,n') p

53-I -129

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

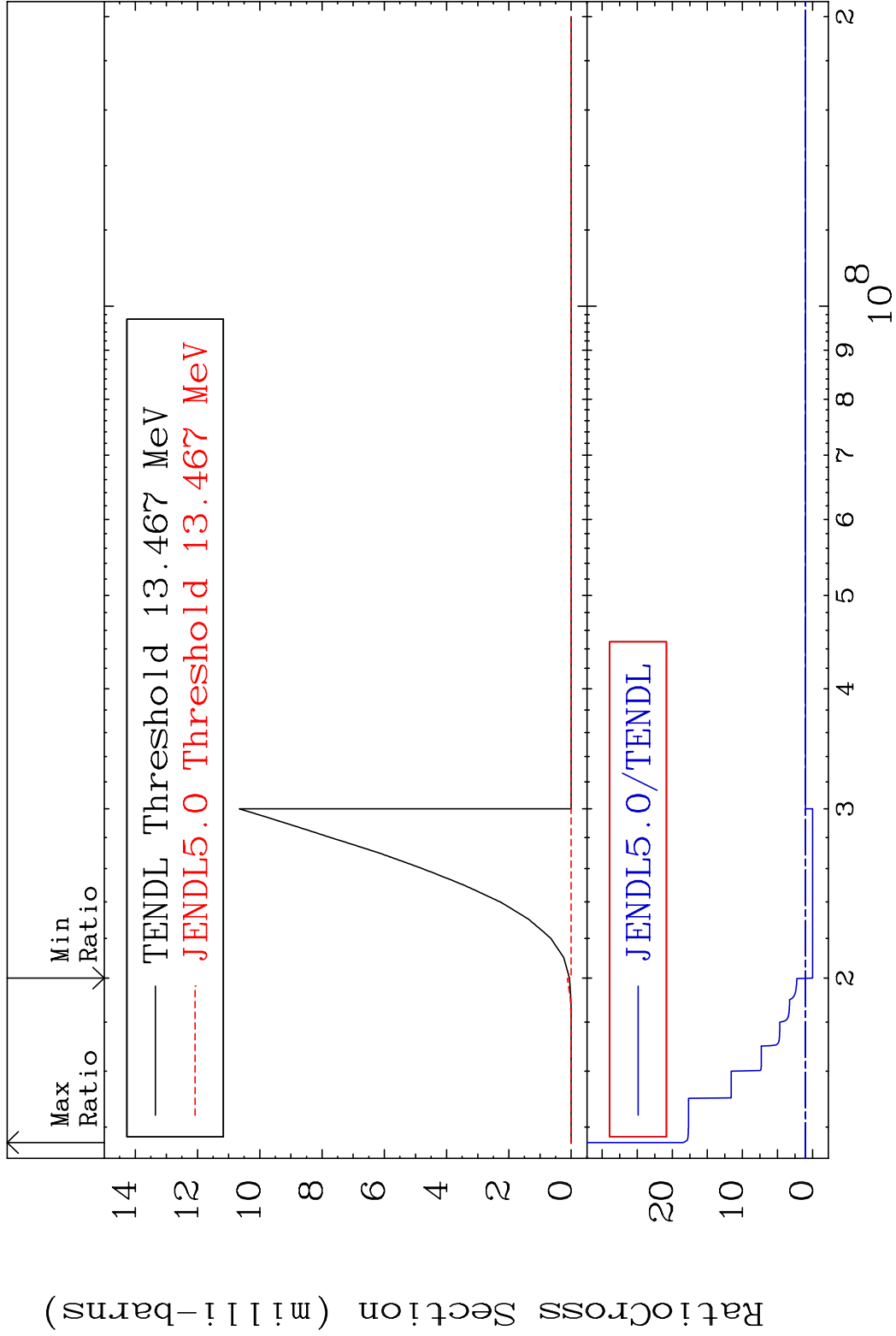
53-I -129

MAT 5331

(n, n') d

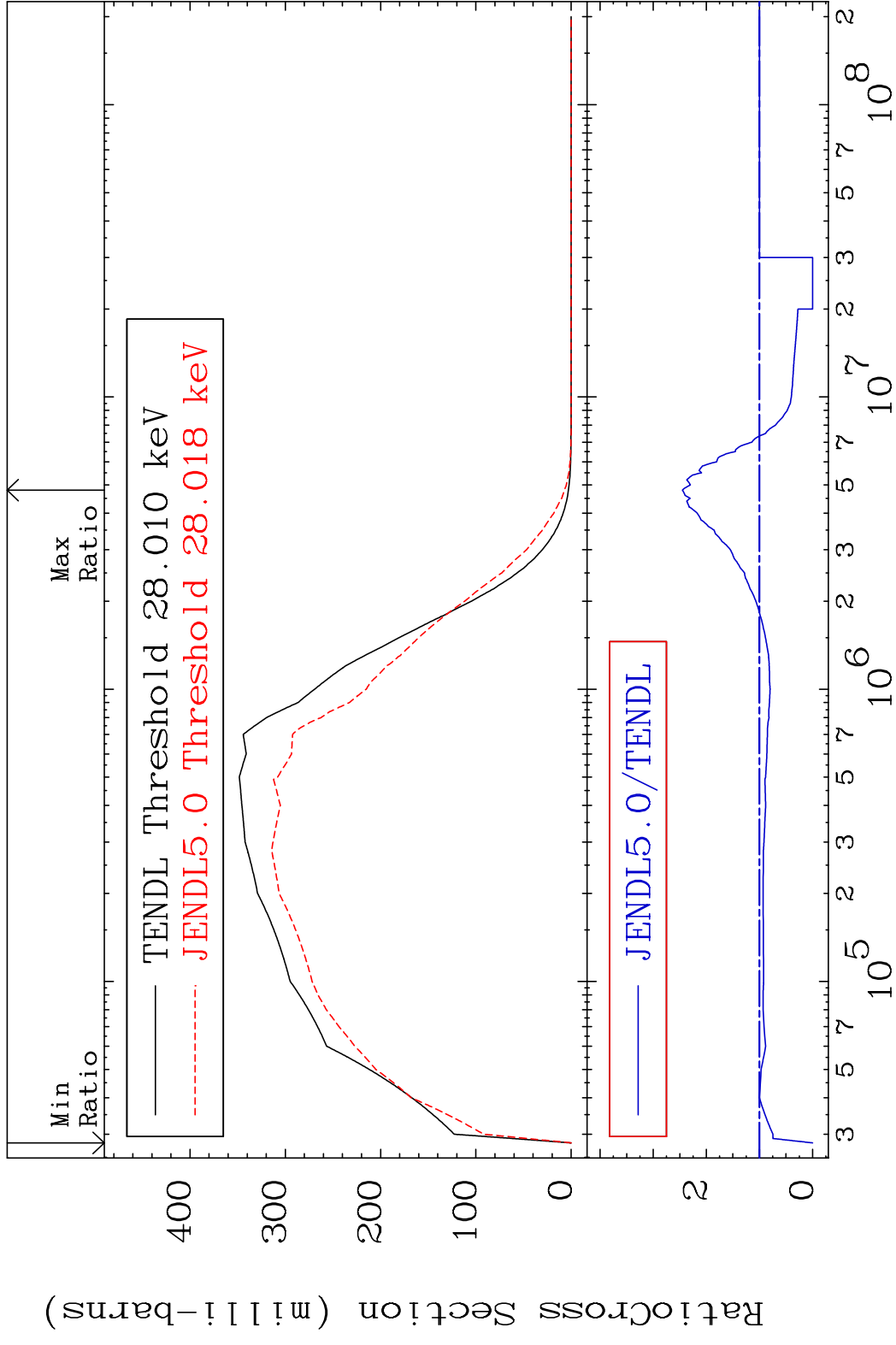
53-I -129

Cross Section -100.0 To 1757. %

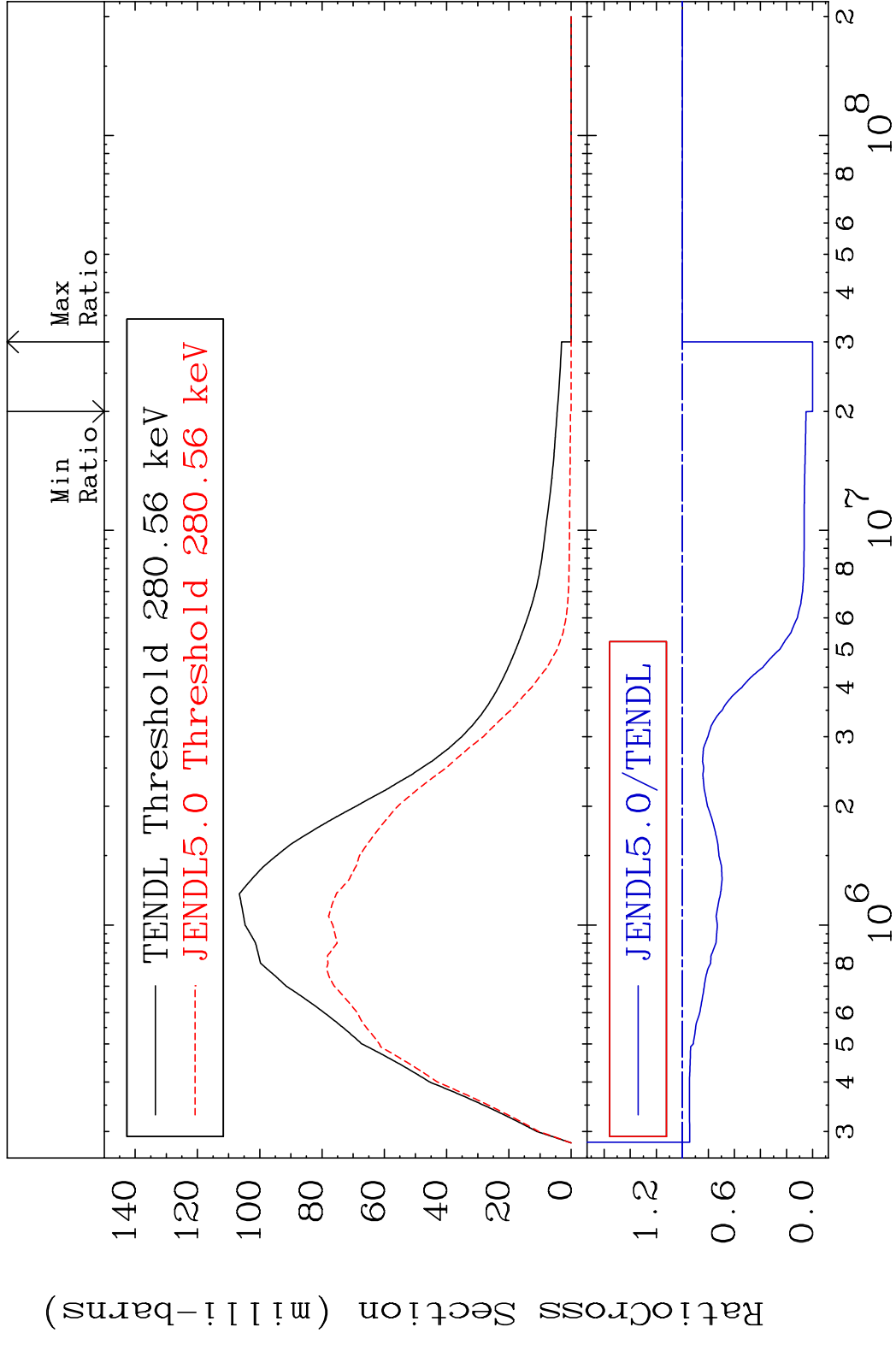




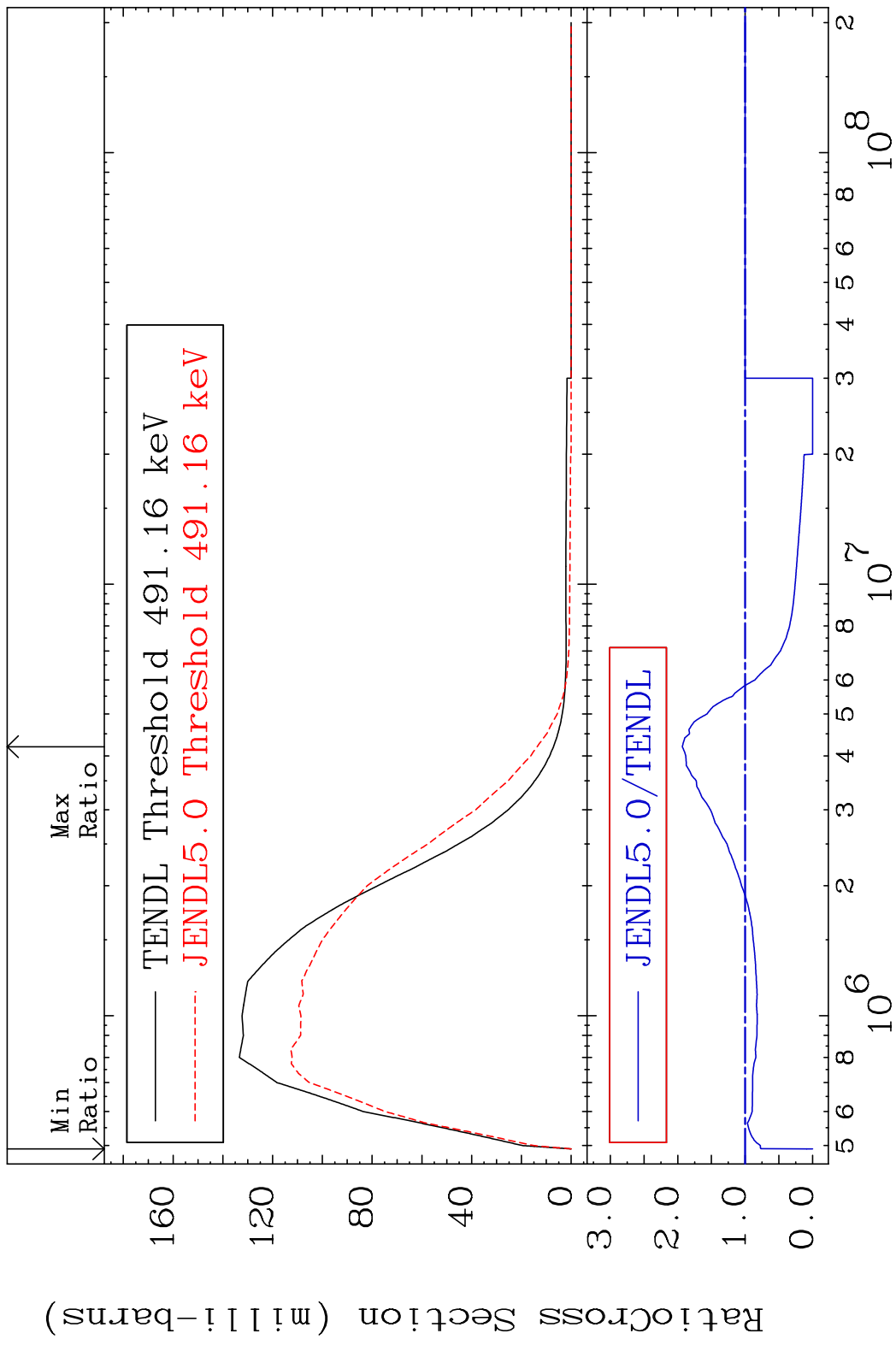
MAT 5331 MT= 51 (n, n') Level 53-I -129  
 Cross Section -100.0 To 145.1 %



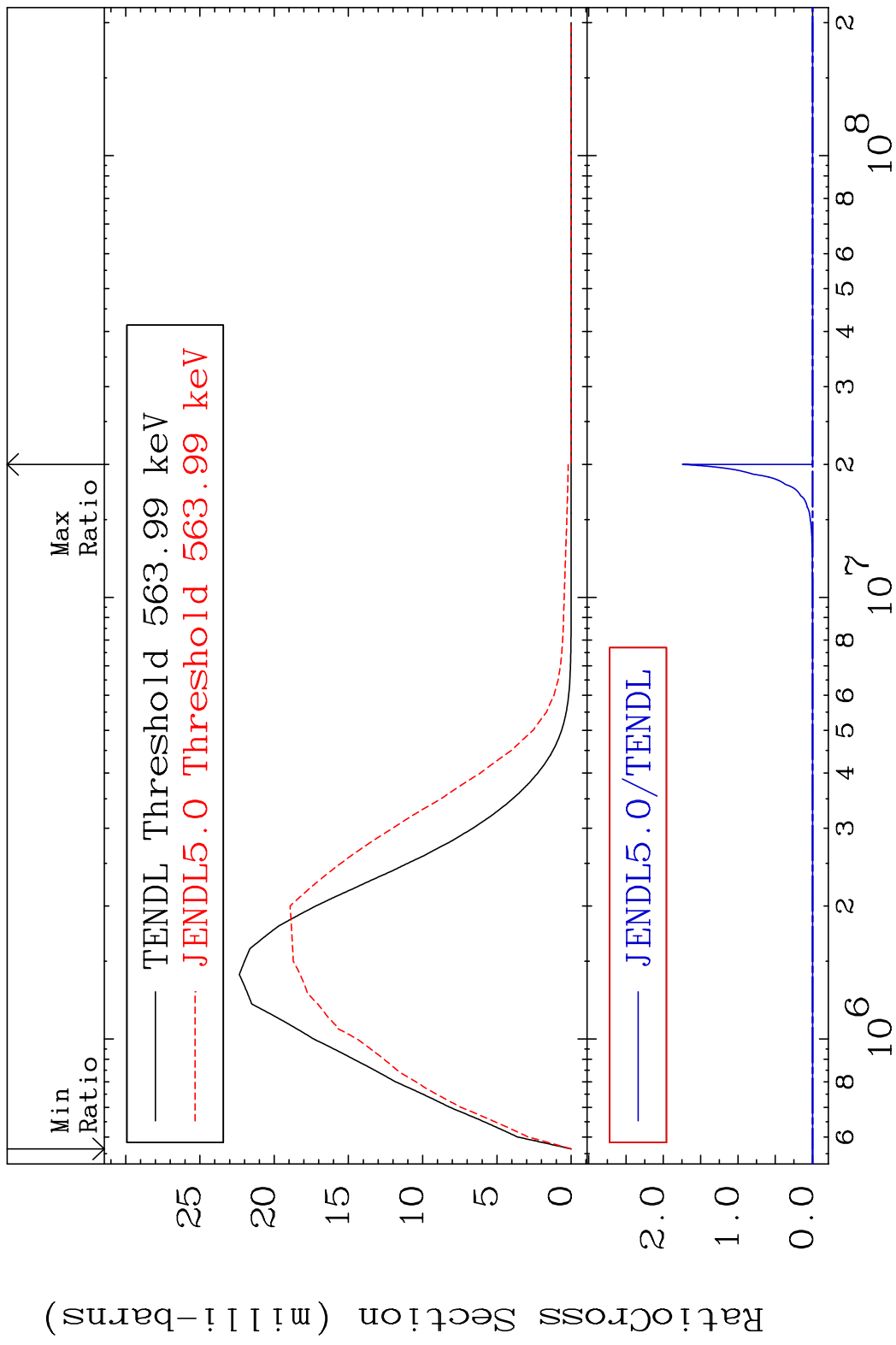
MAT 5331 MT= 52 (n,n') Level 53-I -129  
 Cross Section -100.0 To 0.000 %



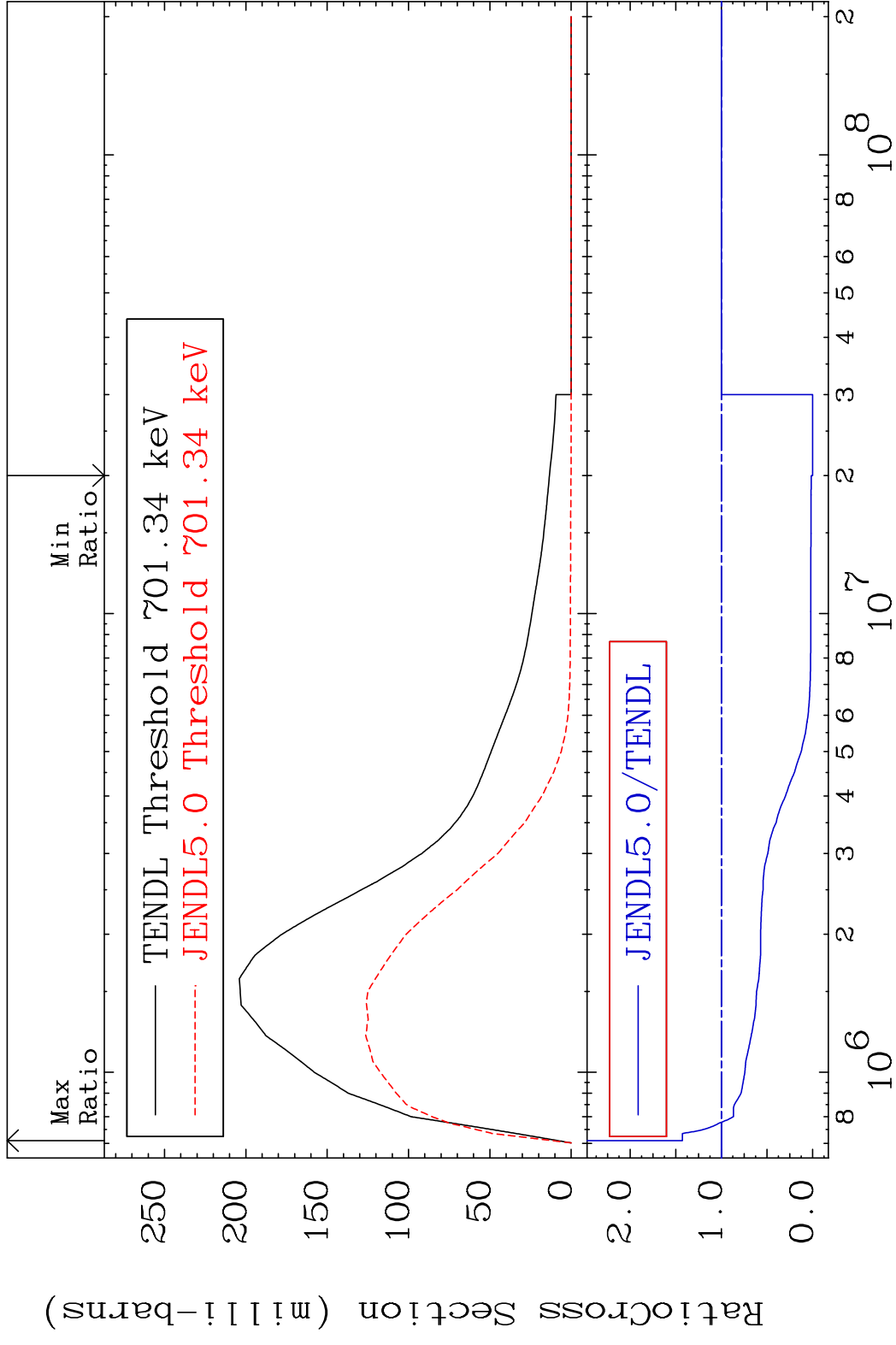
MAT 5331 MT= 53 (n, n') Level 53-I -129  
 Cross Section -100.0 To 93.19 %



MAT 5331 MT= 54 (n, n') Level 53-I -129  
 Cross Section -100.0 To 9999. %

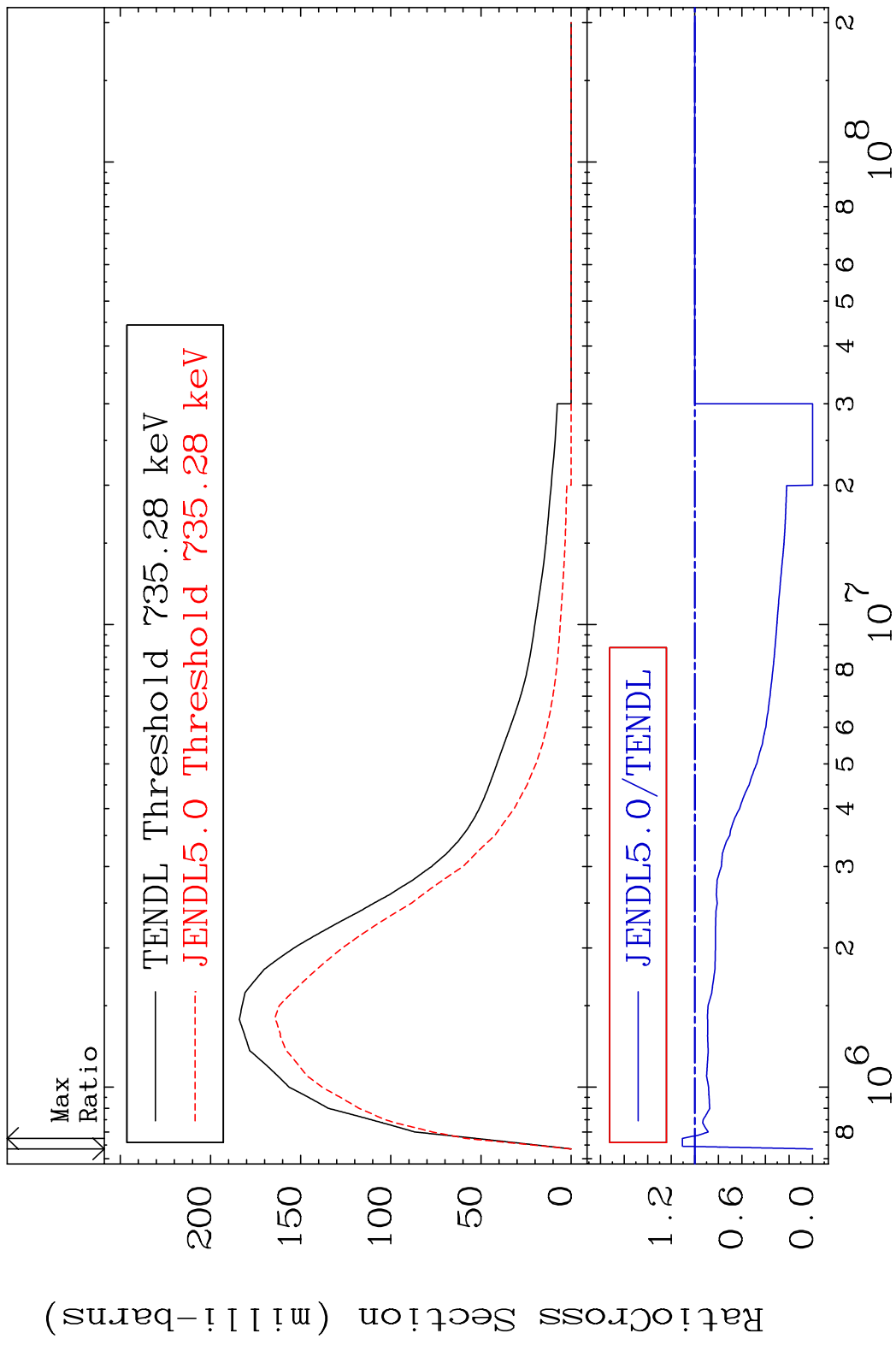


MAT 5331 MT= 55 (n, n') Level 53-I -129  
 Cross Section -100.0 To 42.86 %



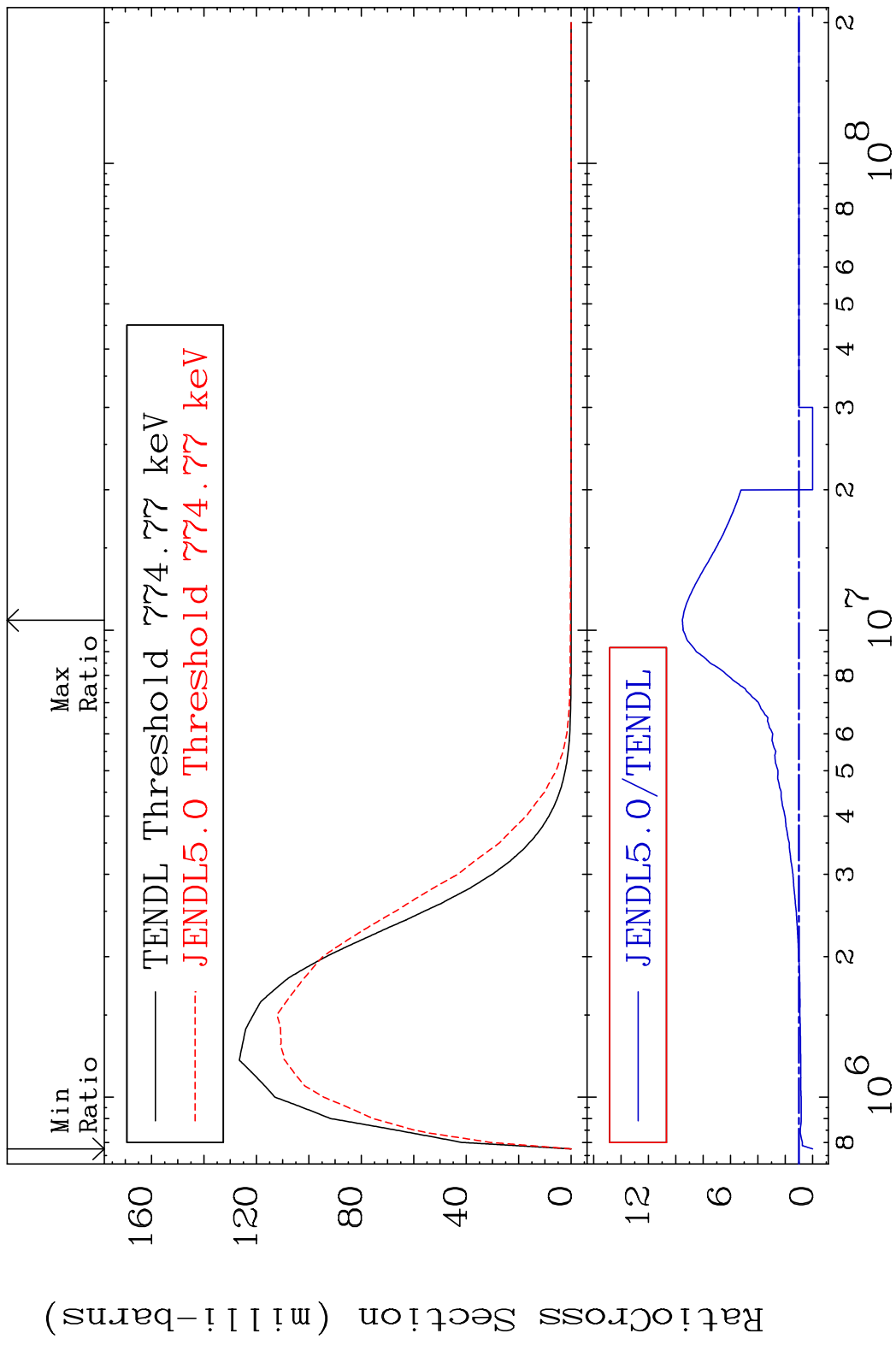
15 53-I -129

MAT 5331 MT= 56 (n,n') Level 53-I -129  
 Cross Section -100.0 To 10.58 %



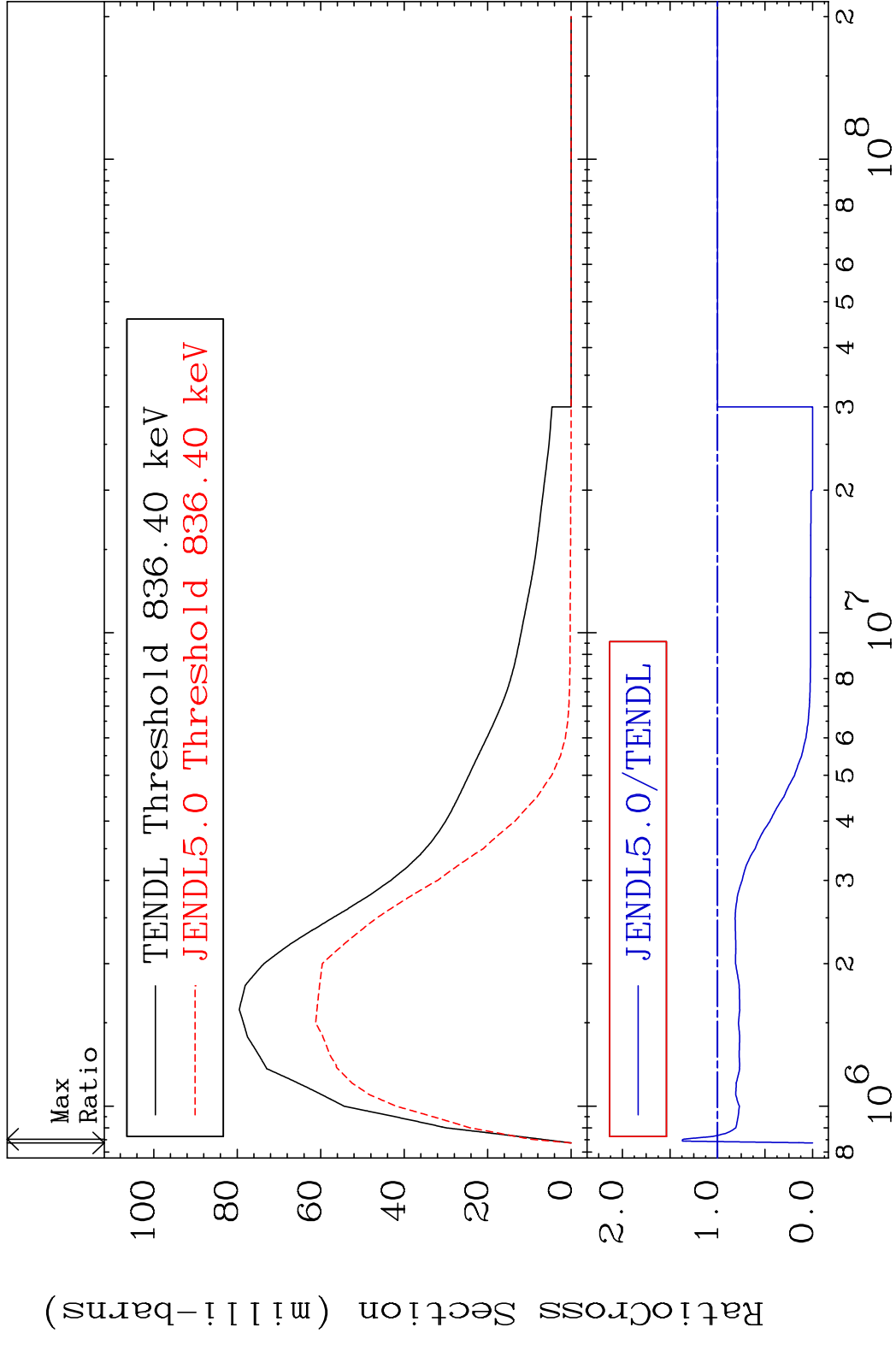
16 53-I -129

MAT 5331 MT= 57 (n,n') Level 53-I -129  
 Cross Section -100.0 To 851.6 %



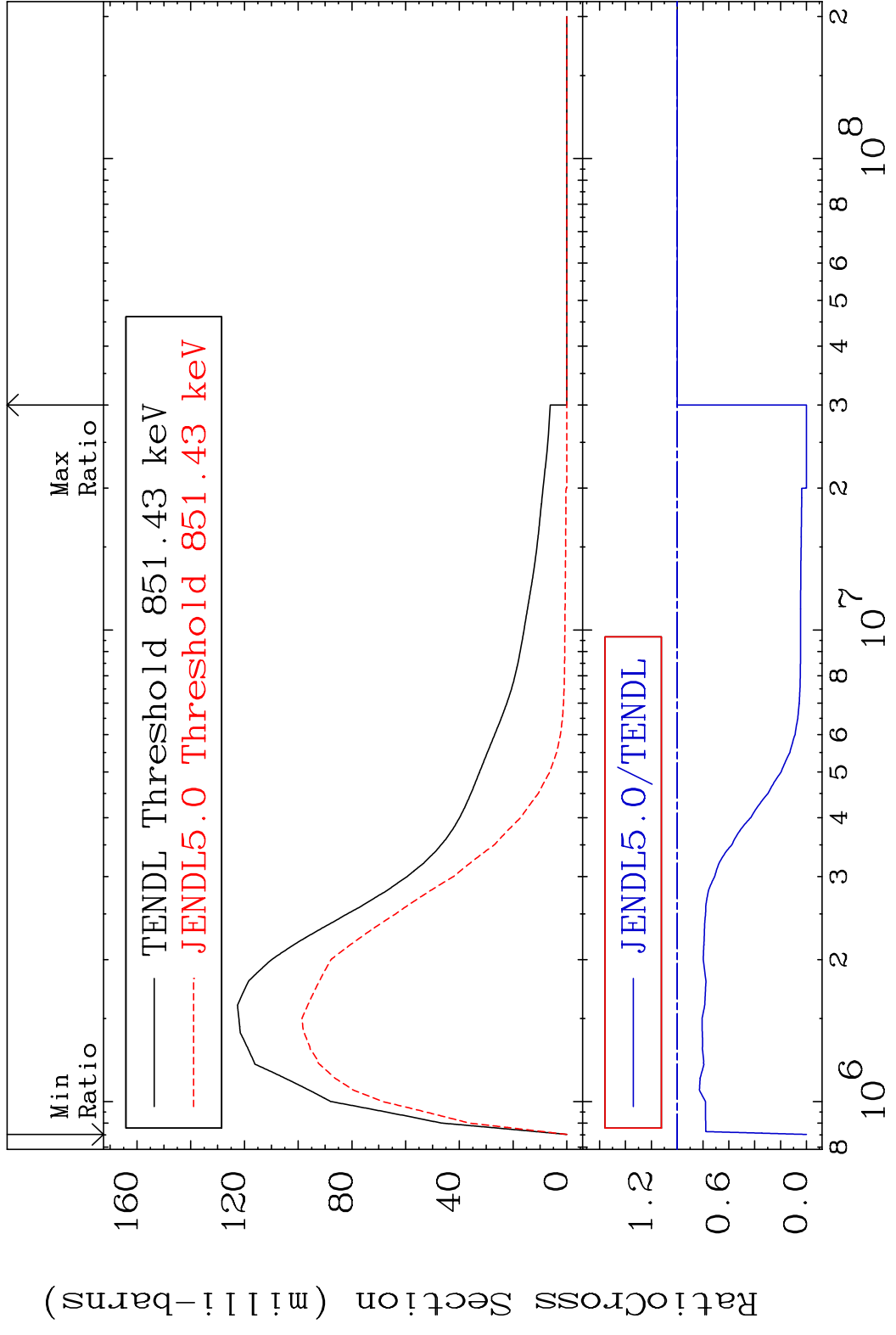
17 Incident Energy (eV) 53-I -129

MAT 5331 MT= 58 (n,n') Level 53-I -129  
 Cross Section -100.0 To 37.00 %



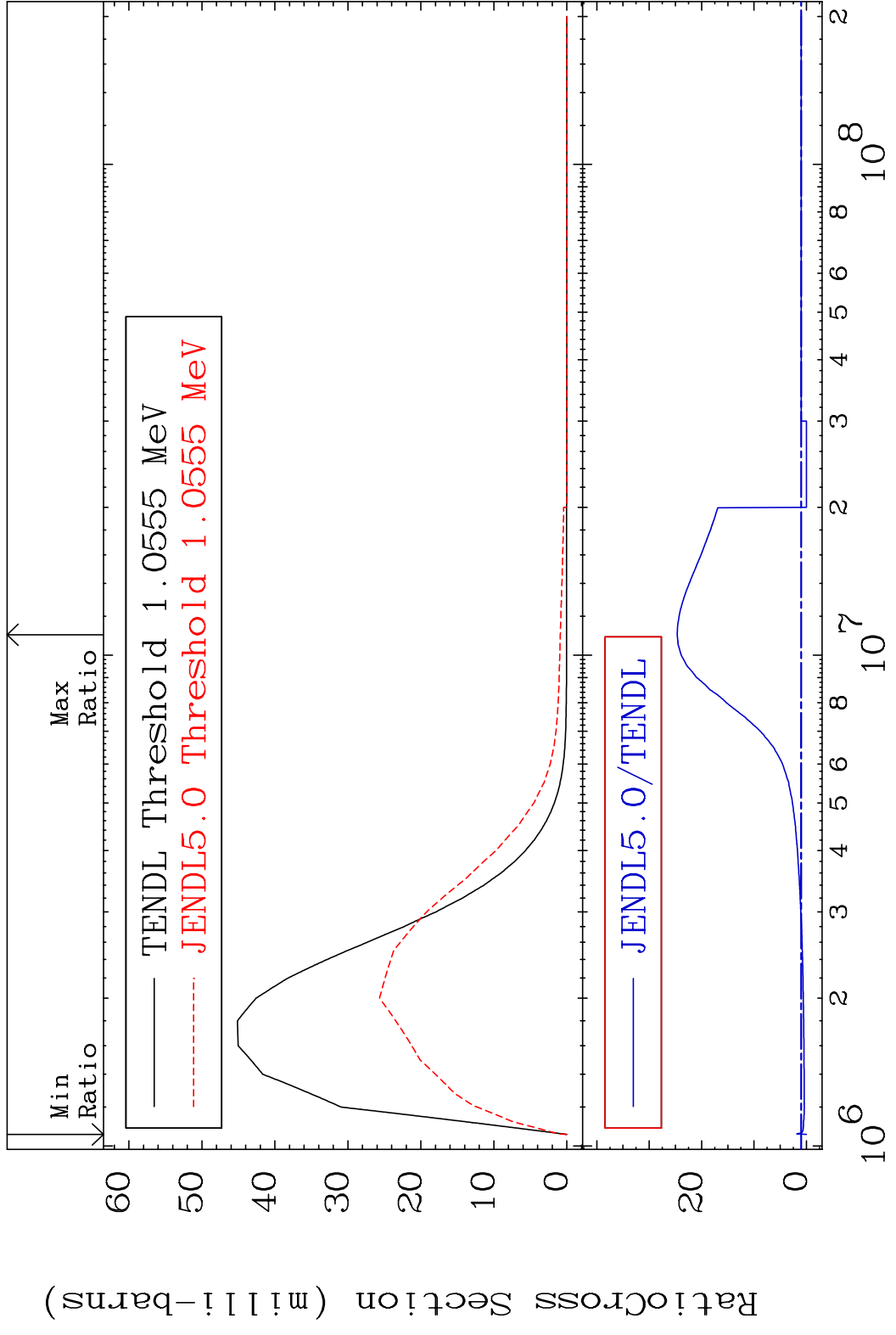
18 Incident Energy (eV) 53-I -129

MAT 5331 MT= 59 (n, n') Level 53-I -129  
 Cross Section -100.0 To 0.000 %



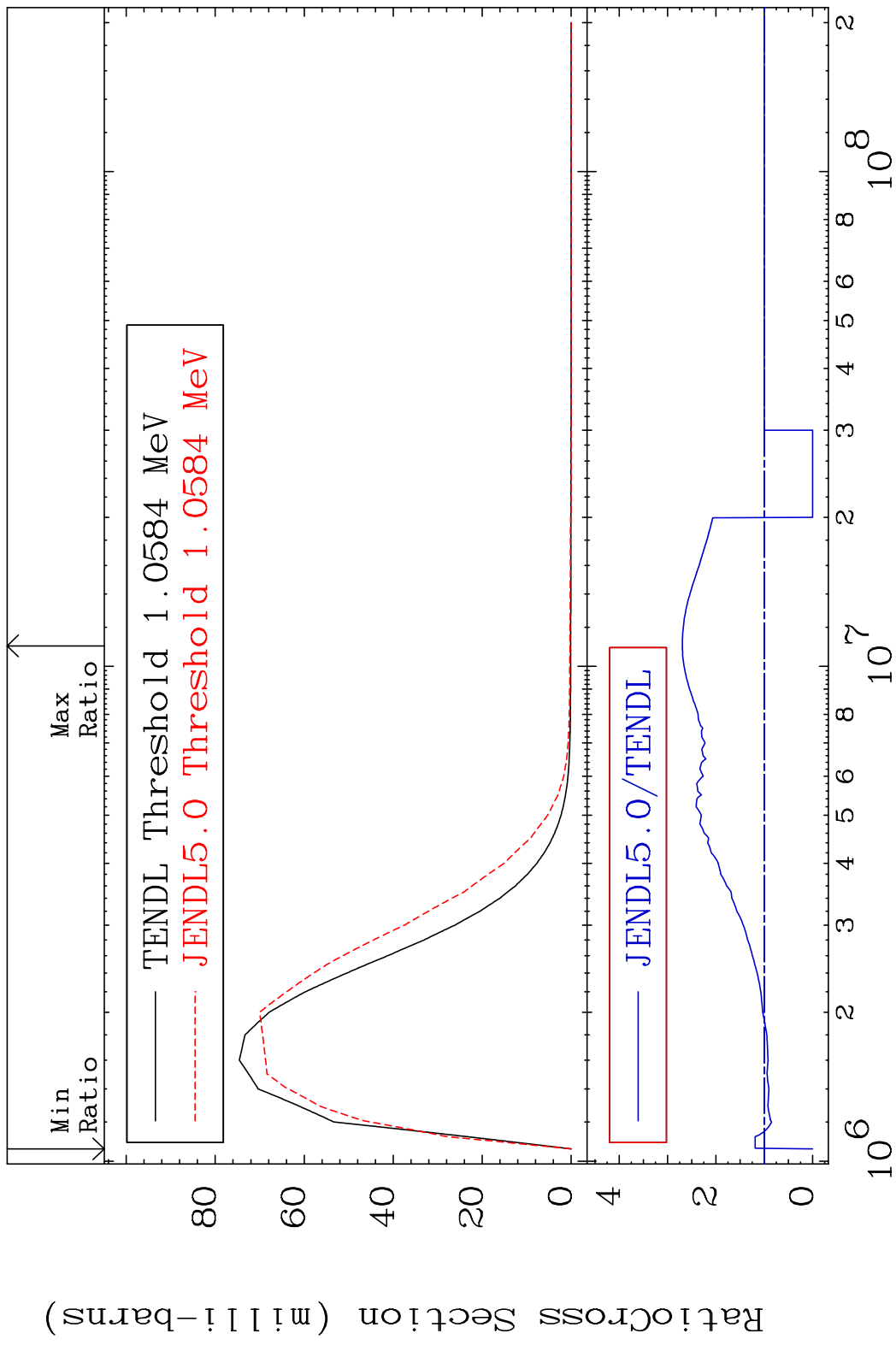
19 53-I -129

MAT 5331 MT= 60 (n, n') Level 53-I -129  
 Cross Section -100.0 To 2366. %



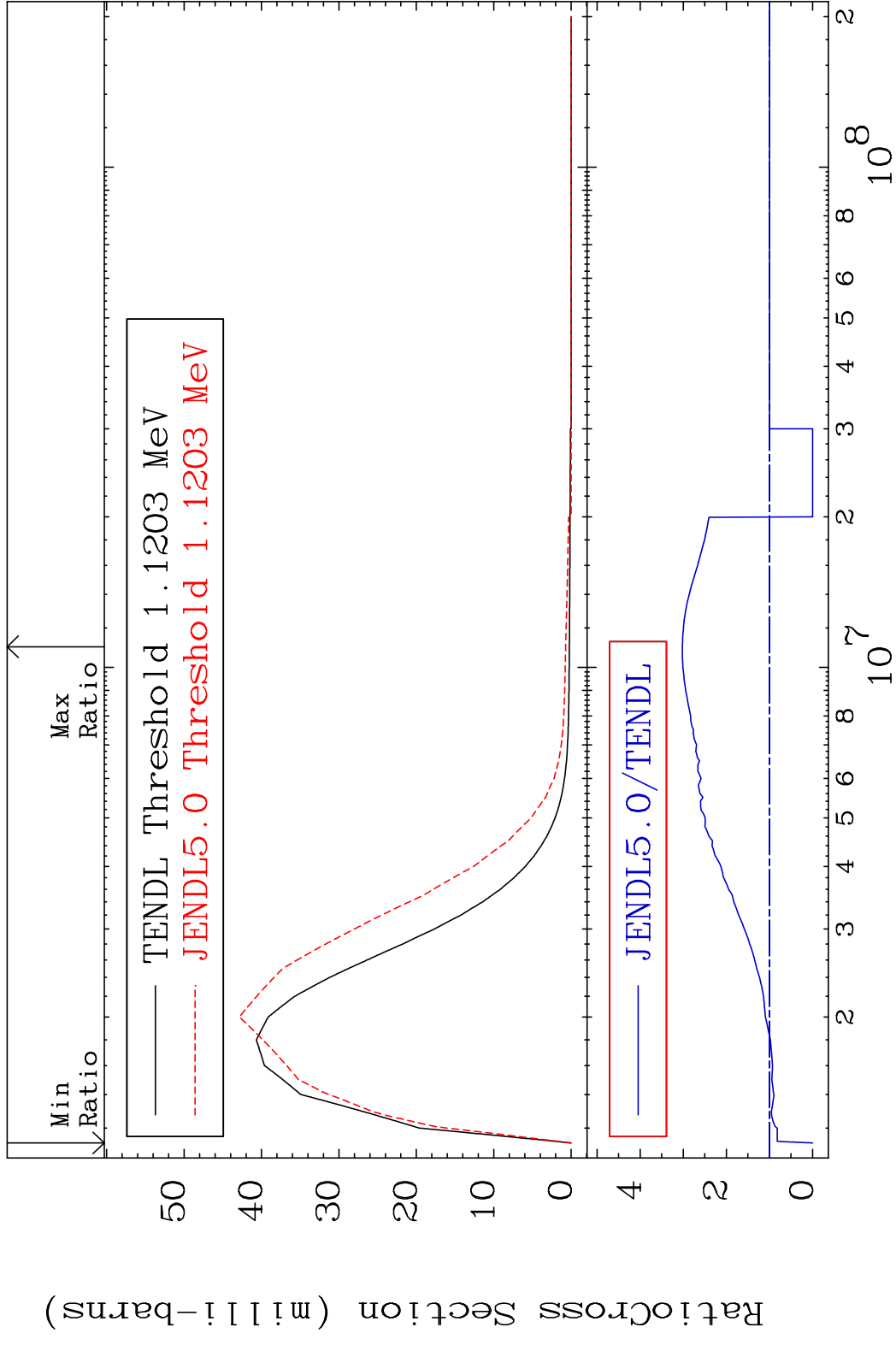
20 Incident Energy (eV) 53-I -129

MAT 5331 MT= 61 (n, n') Level 53-I -129  
 Cross Section -100.0 To 169.4 %

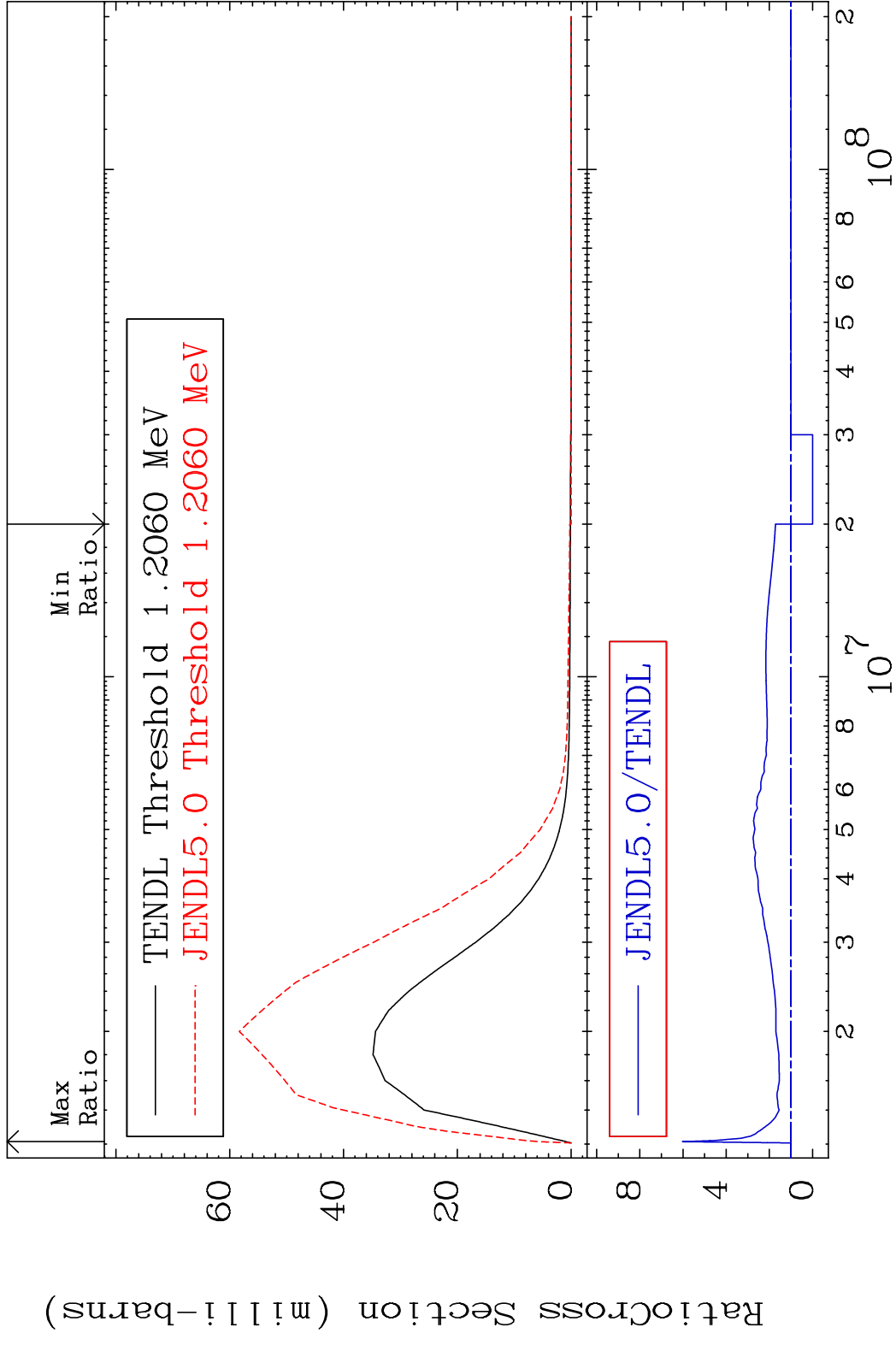


21 Incident Energy (eV) 53-I -129

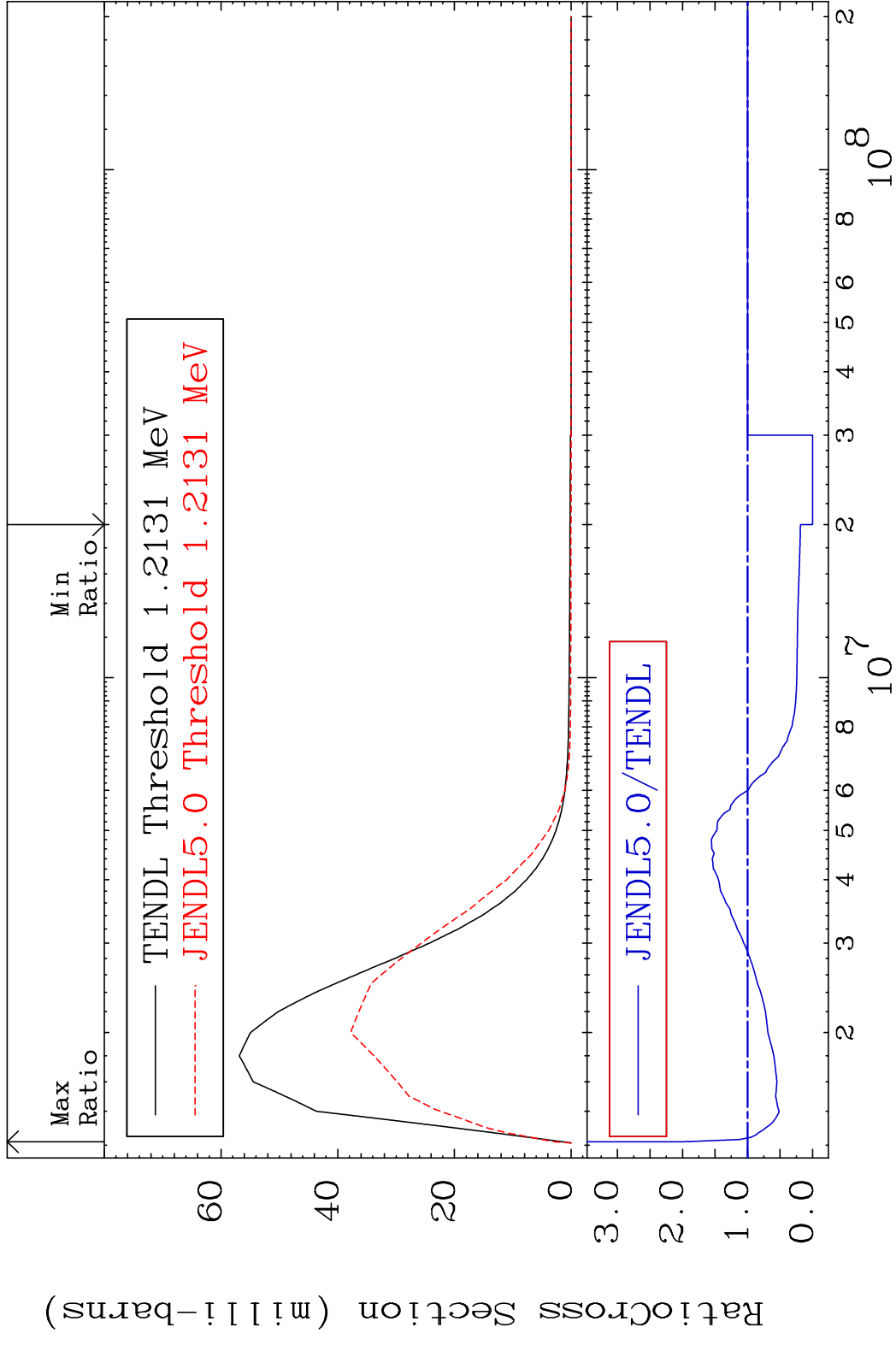
MAT 5331 MT= 62 (n, n') Level 53-I -129  
 Cross Section -100.0 To 202.0 %



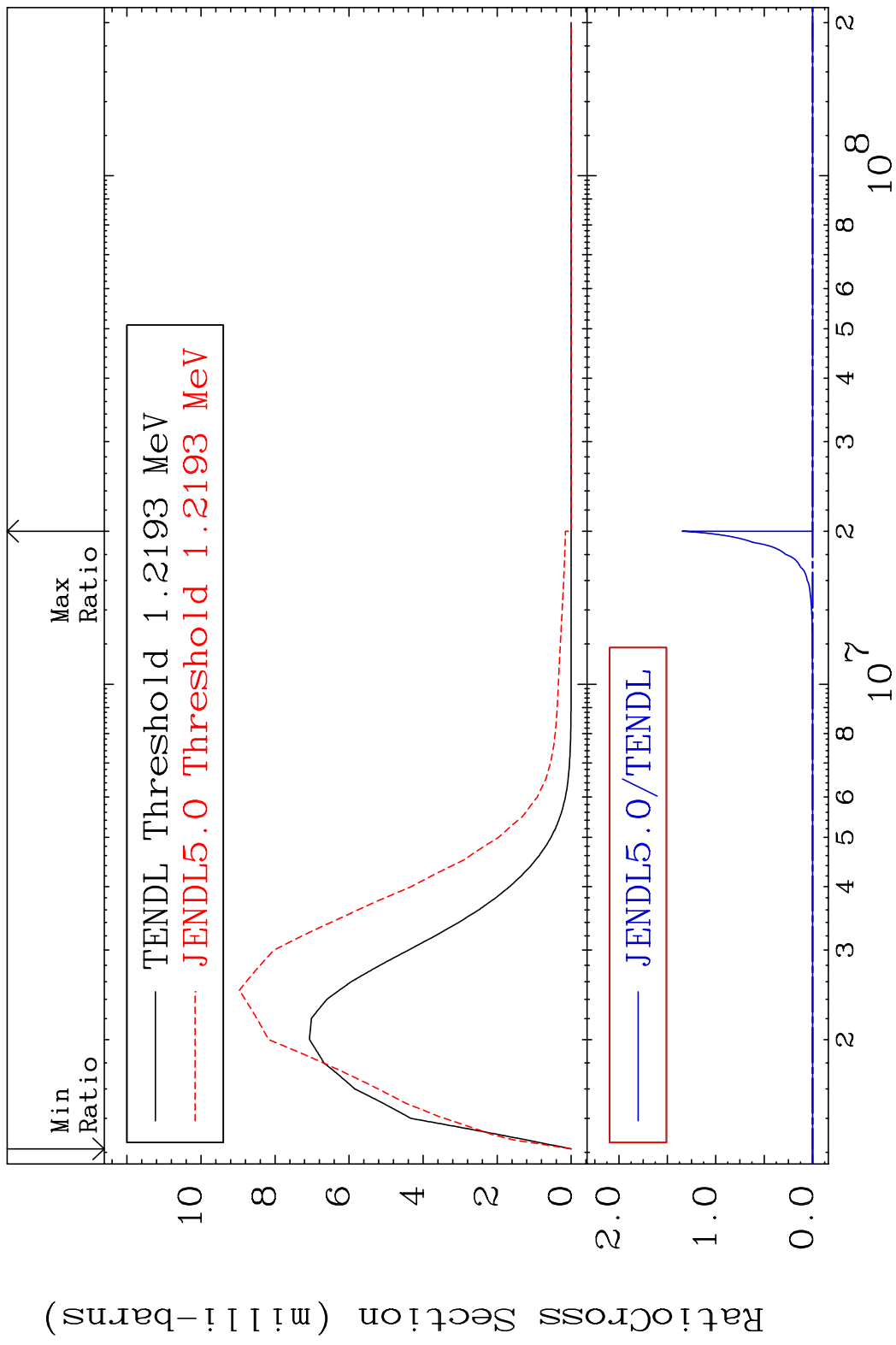
MAT 5331 MT= 63 (n, n') Level 53-I -129  
 Cross Section -100.0 To 503.0 %



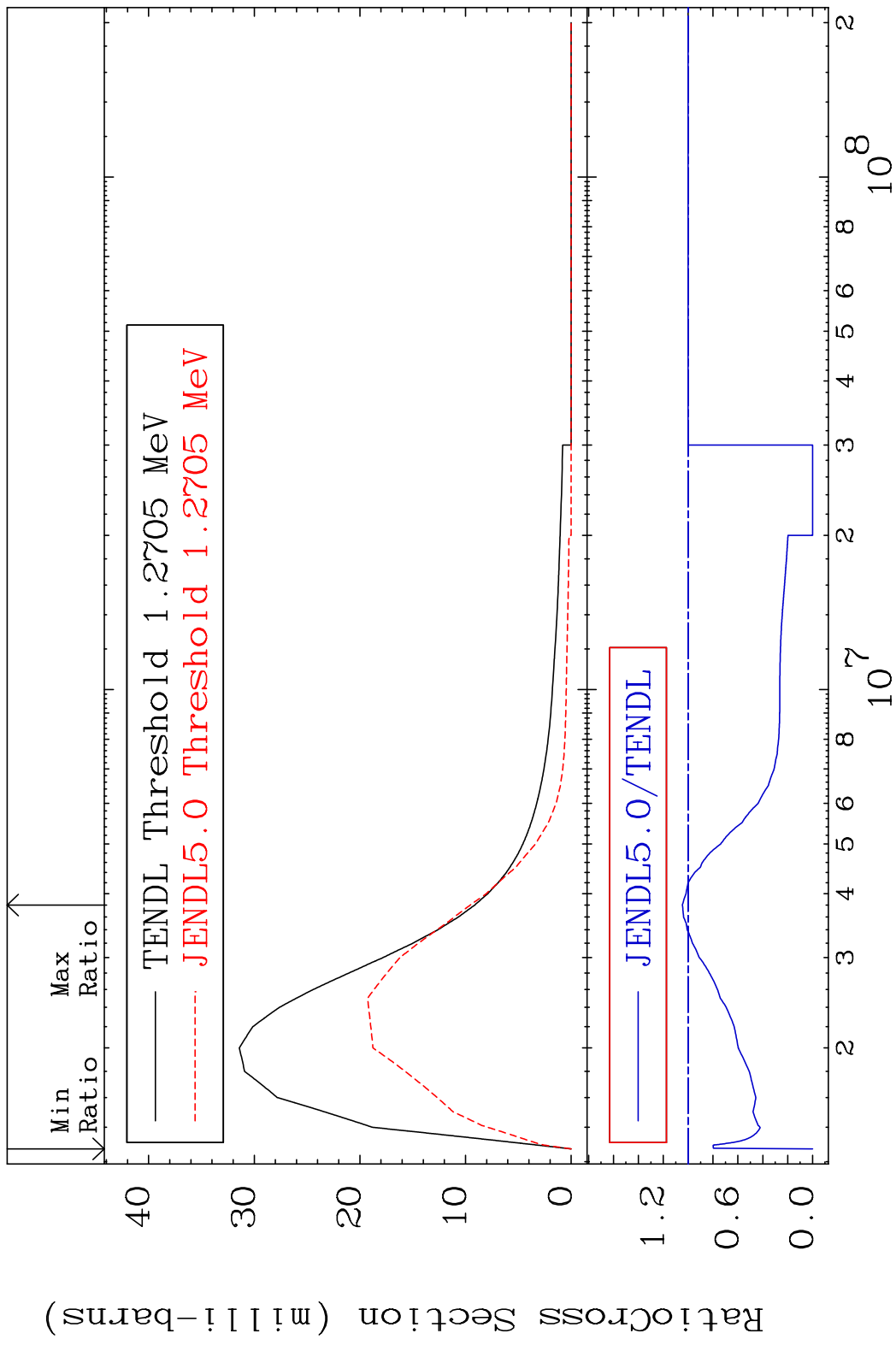
MAT 5331 MT= 64 (n, n') Level 53-I -129  
 Cross Section -100.0 To 100.2 %



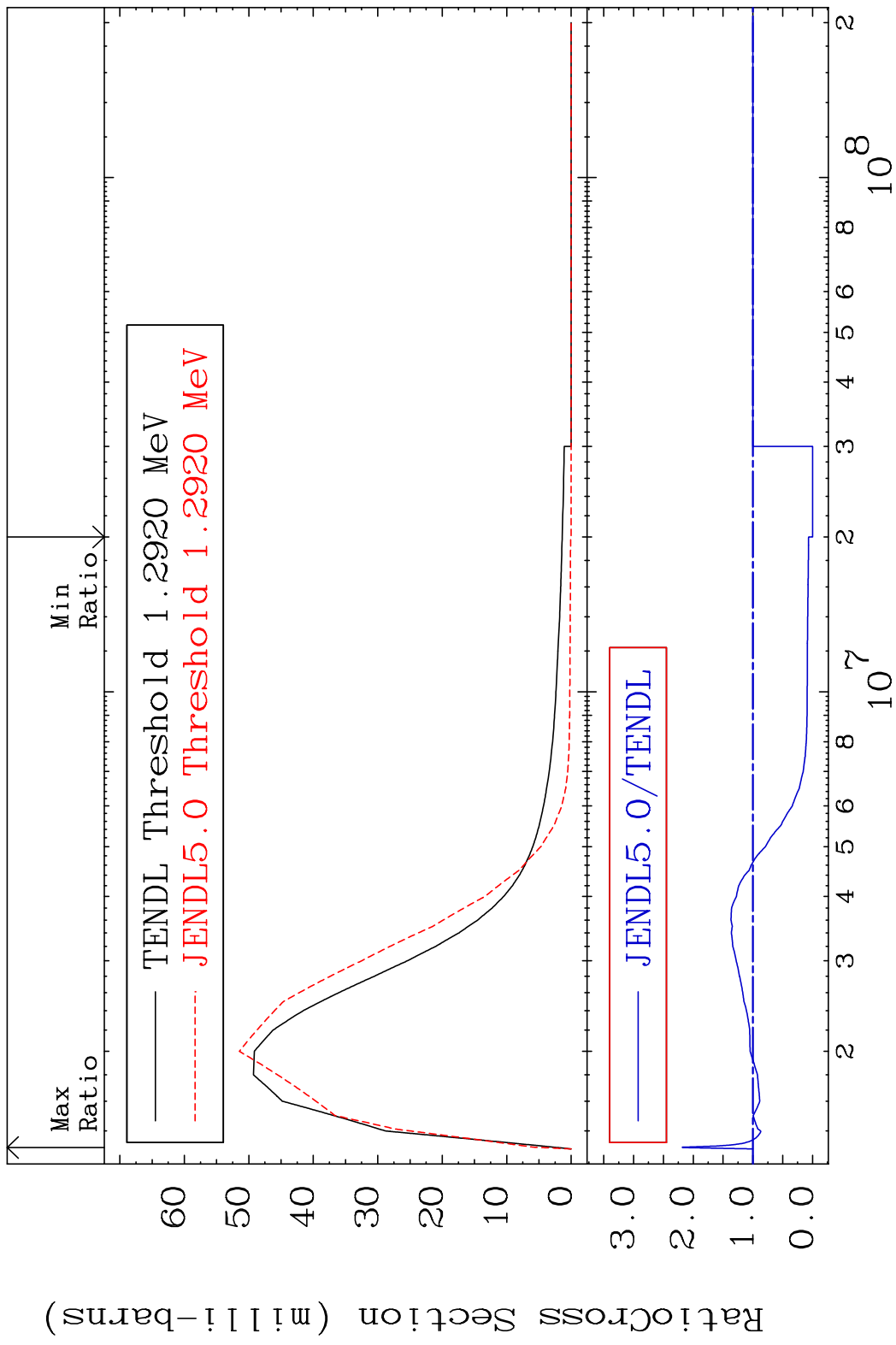
MAT 5331 MT= 65 (n,n') Level 53-I -129  
 Cross Section -100.0 To 9999. %



MAT 5331 MT= 66 (n,n') Level 53-I -129  
 Cross Section -100.0 To 4.654 %



MAT 5331 MT= 67 (n, n') Level 53-I -129  
 Cross Section -100.0 To 118.3 %

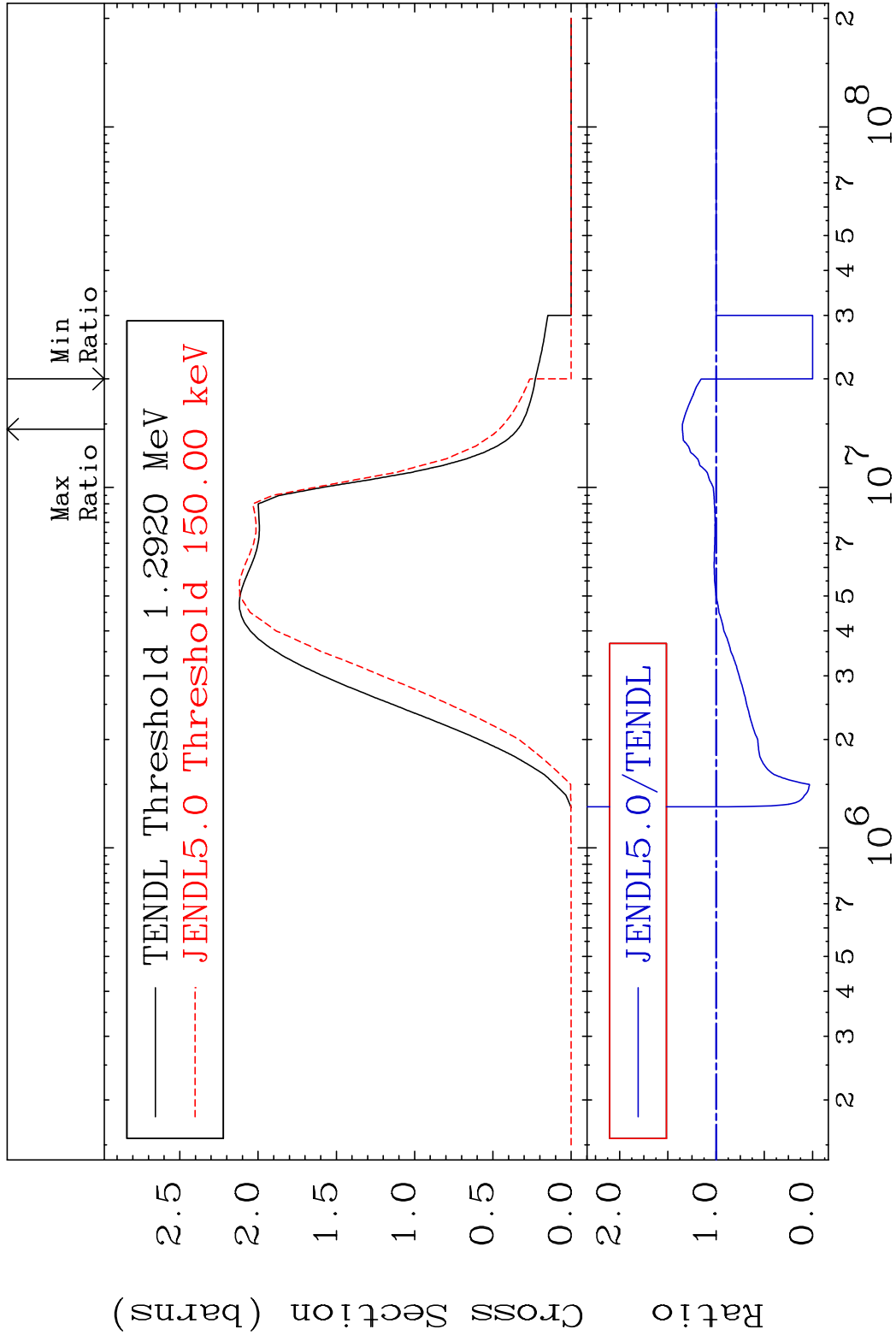


MAT 5331

(n,n') Continuum

53-I -129

Cross Section -100.0 To 35.01 %



28

Incident Energy (eV)

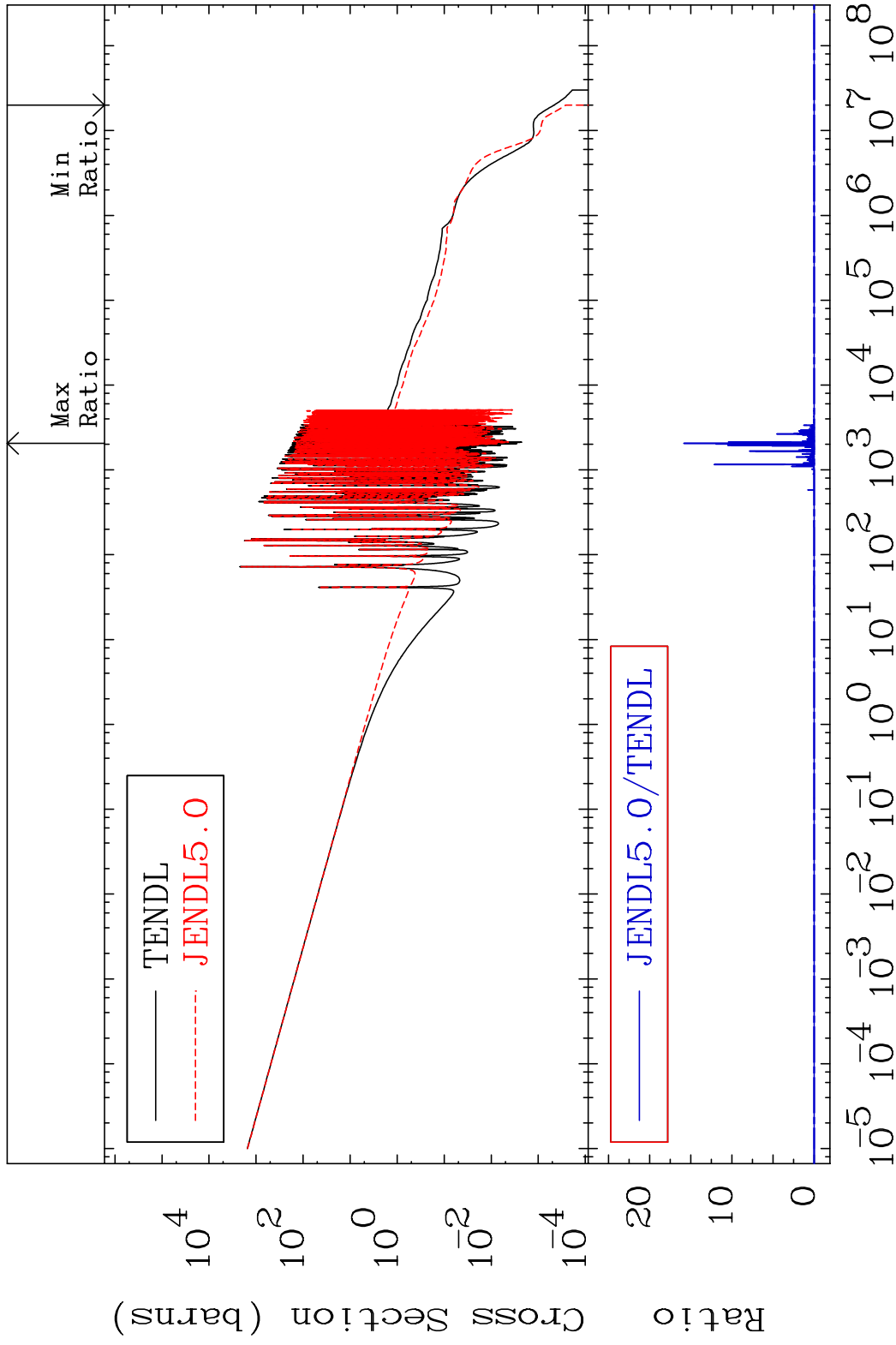
53-I -129

MAT 5331

(n,  $\gamma$ )

53-I -129

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

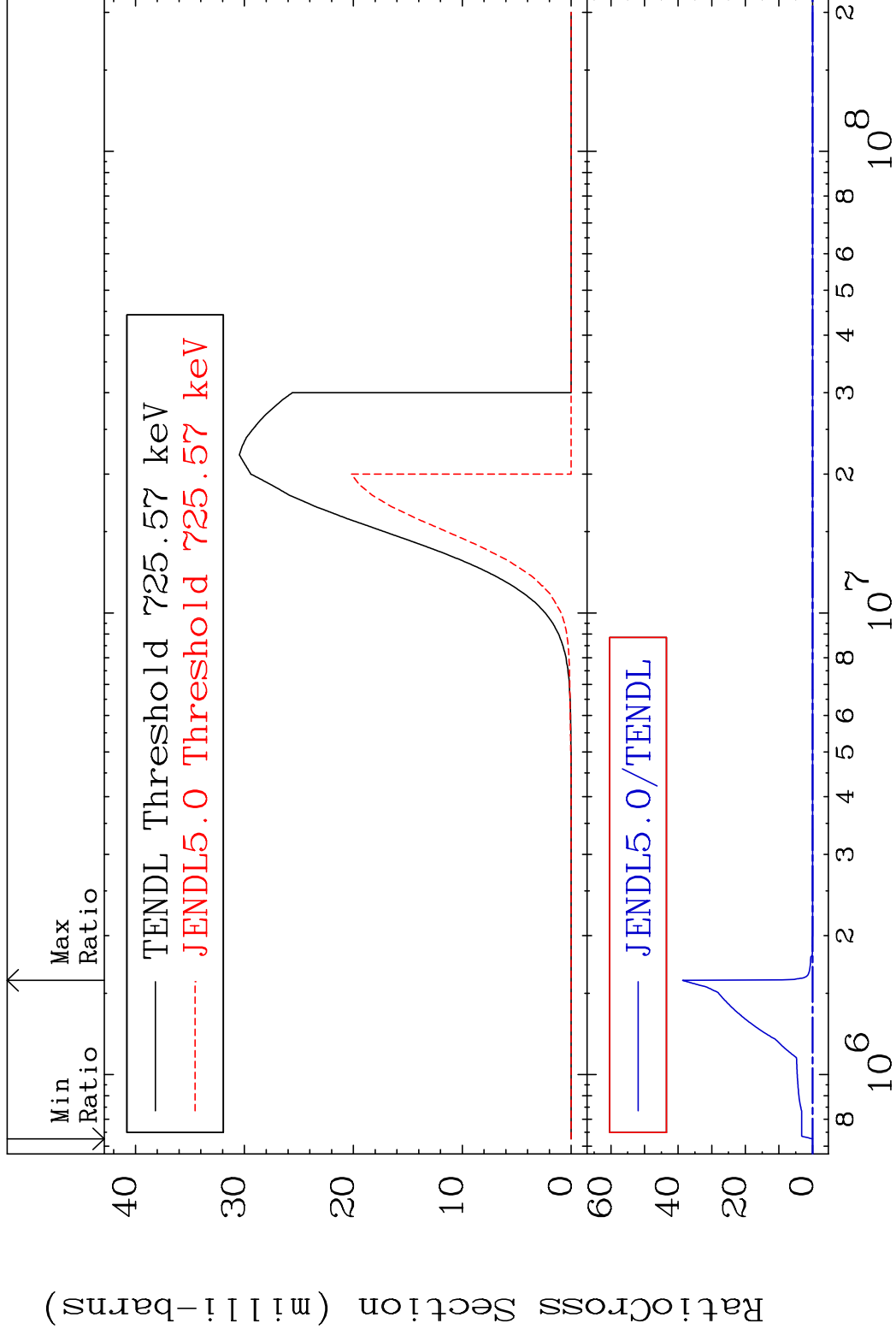
53-I -129

MAT 5331

(n,p)

53-I -129

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

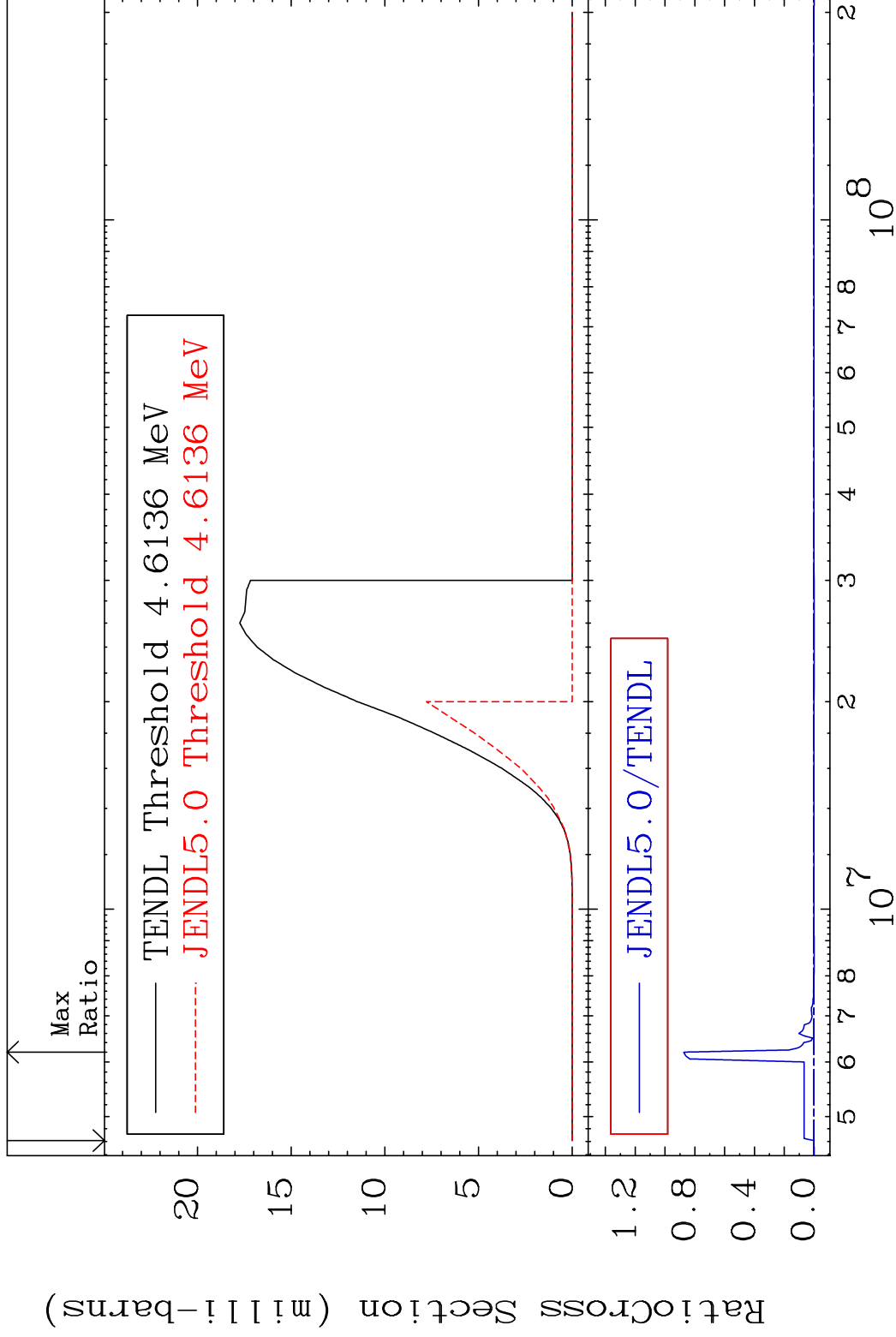
53-I -129

MAT 5331

(n,d)

53-I -129

Cross Section -100.0 To 9999. %



31

Incident Energy (eV)

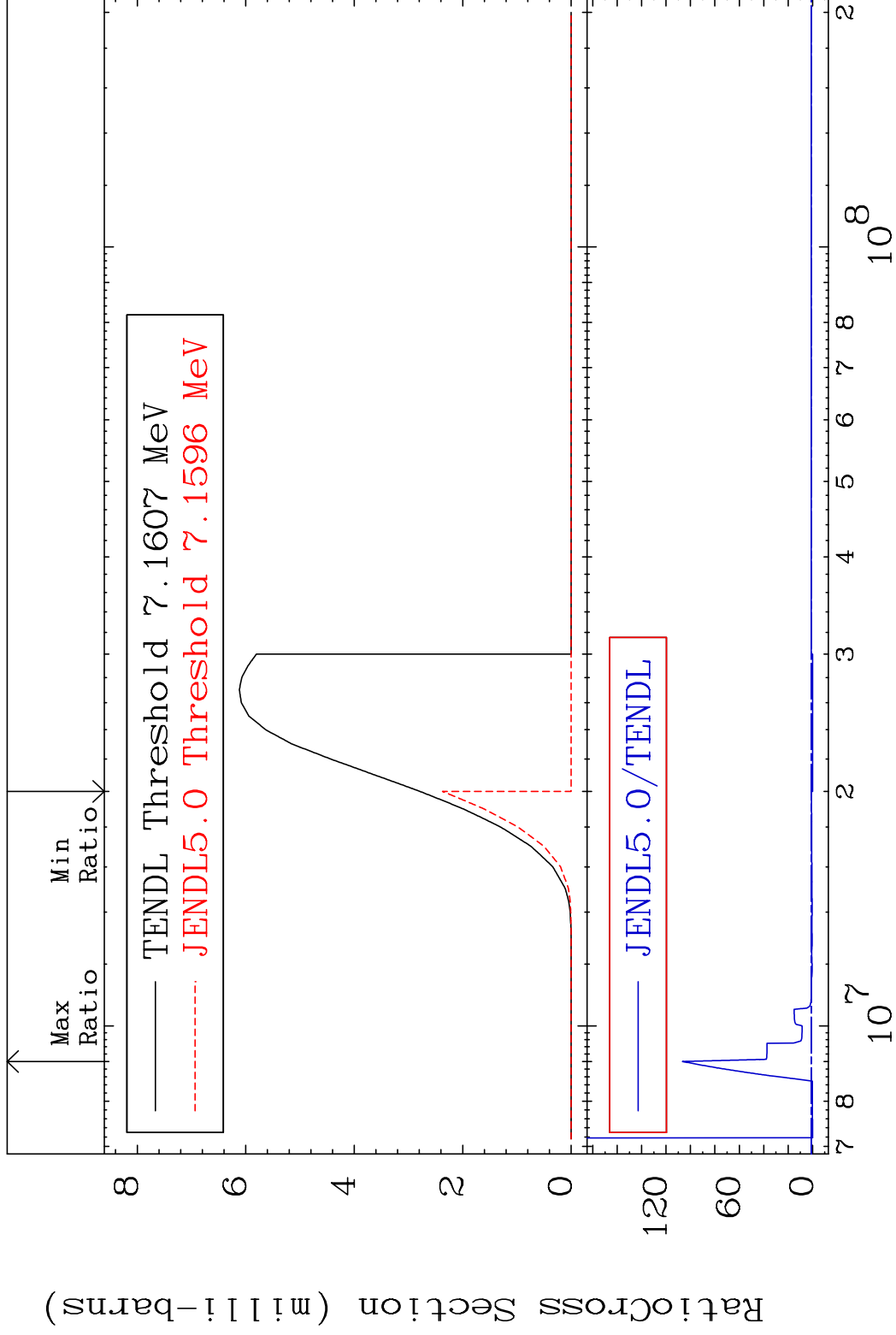
53-I -129

MAT 5331

(n, t)

53-I -129

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

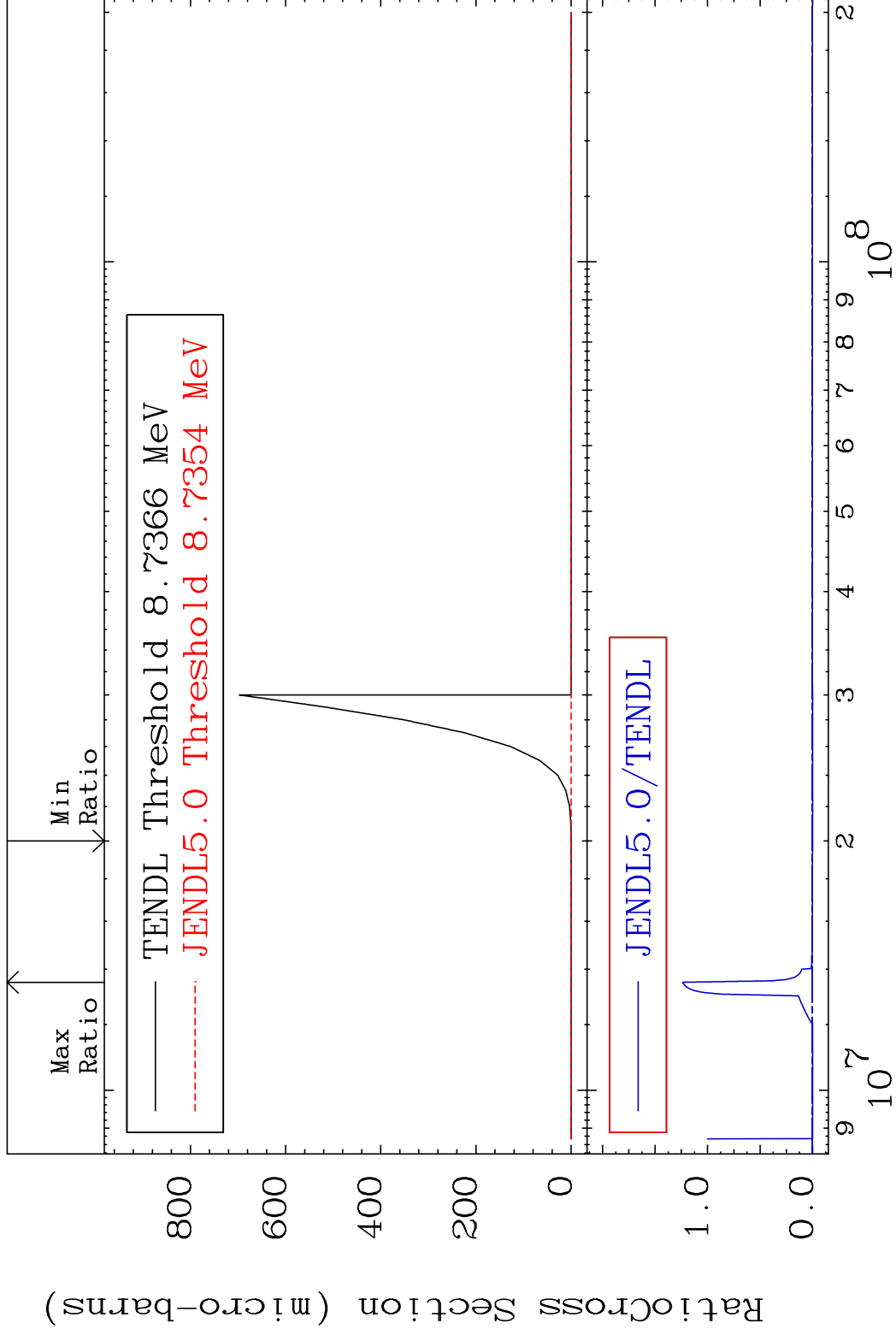
53-I -129

MAT 5331

(n, He-3)

53-I -129

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

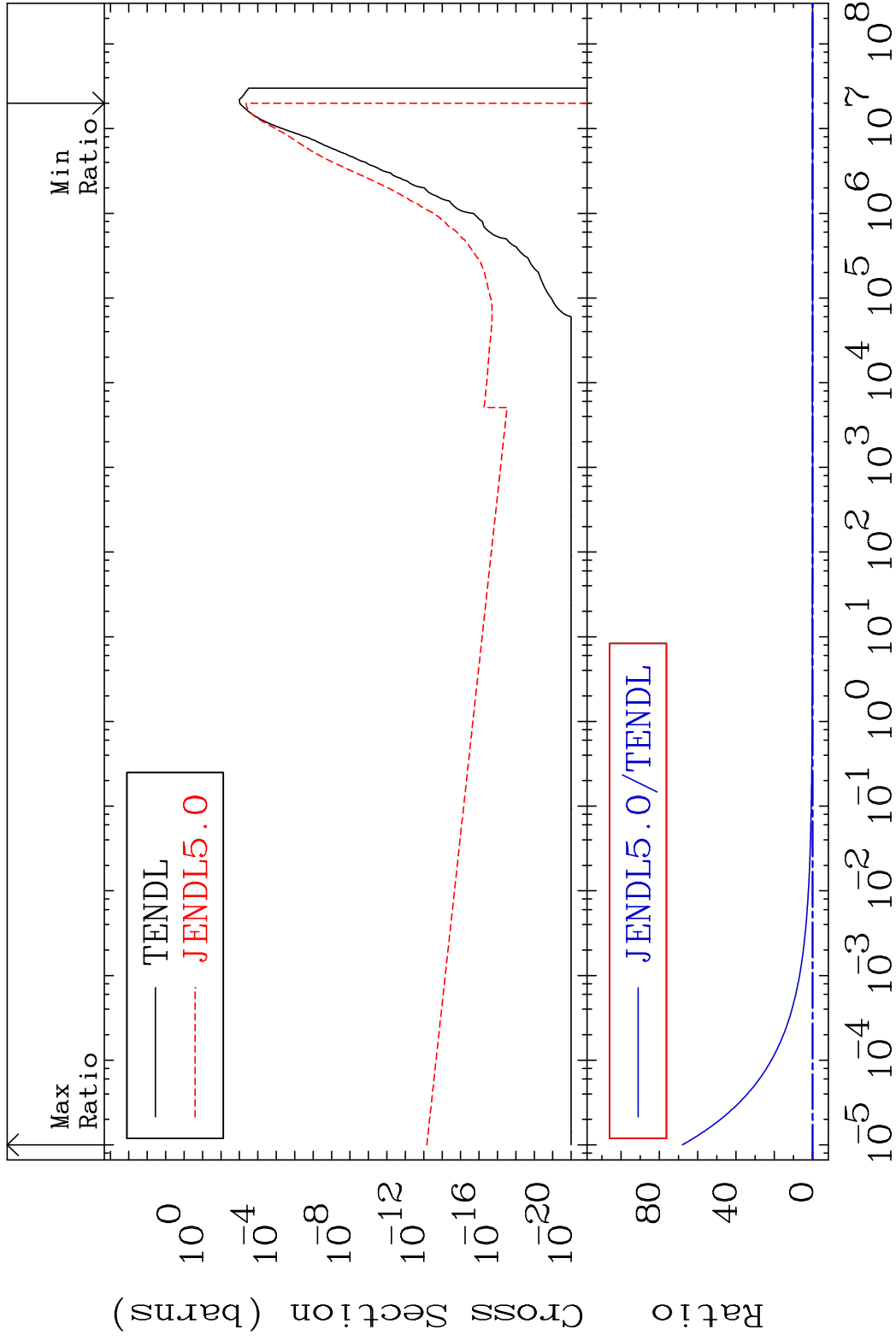
53-I -129

MAT 5331

(n,  $\alpha$ )

53-I -129

Cross Section -100.0 To 9999. %



34

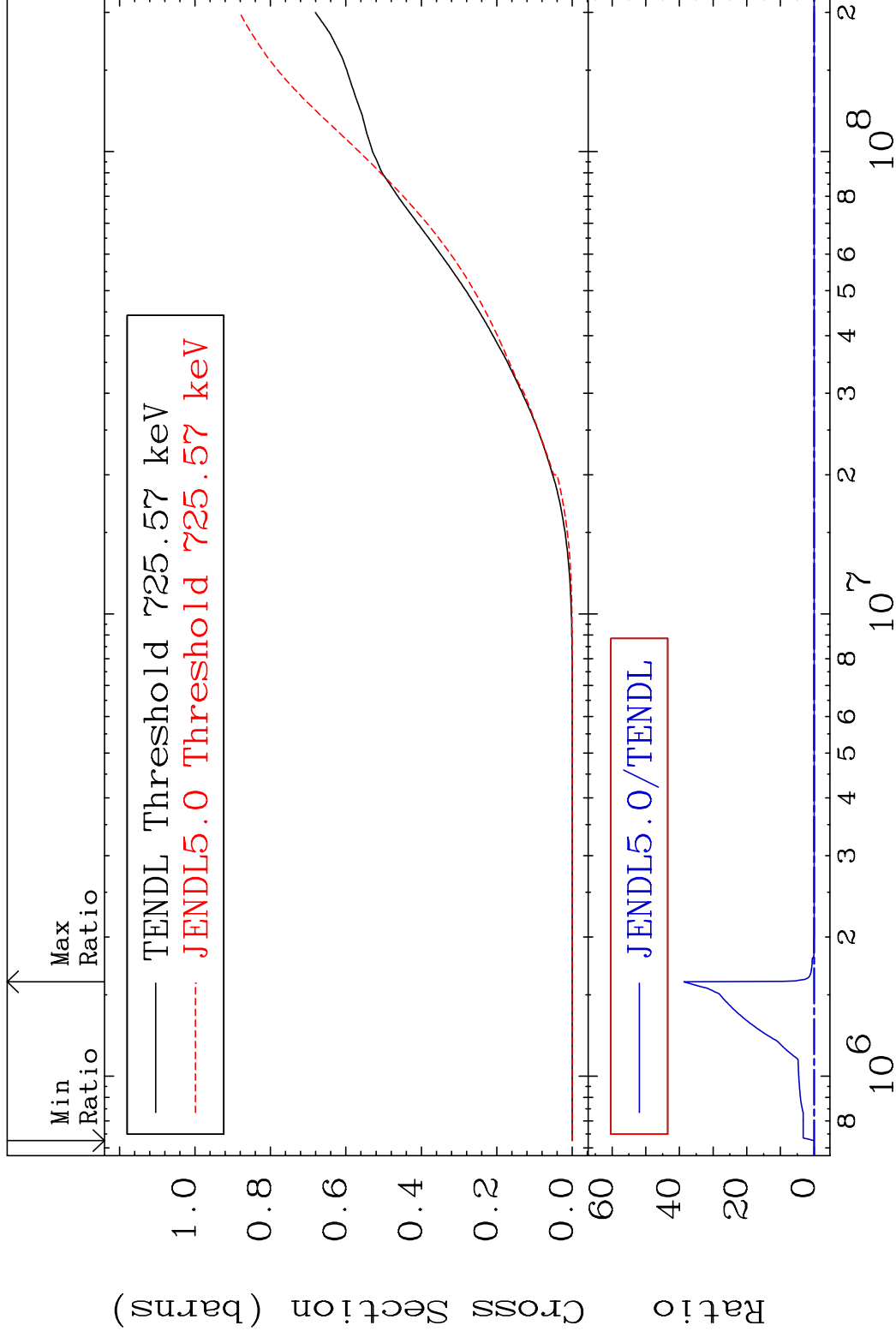
Incident Energy (eV)

53-I -129

MAT 5331

Hydrogen Production 53-I -129

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

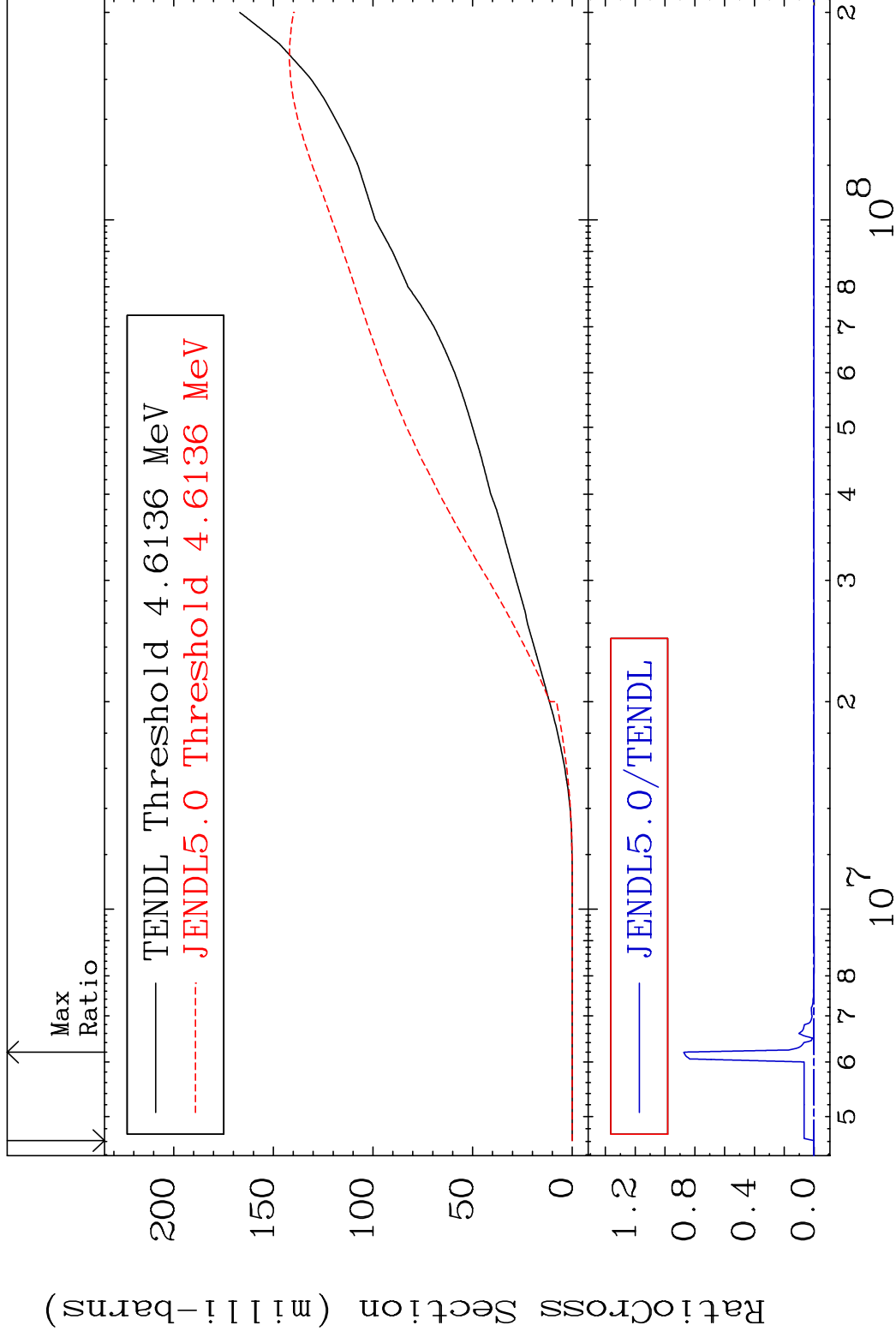
53-I -129

MAT 5331

Deuterium Production

53-I -129

Cross Section -100.0 To 9999. %

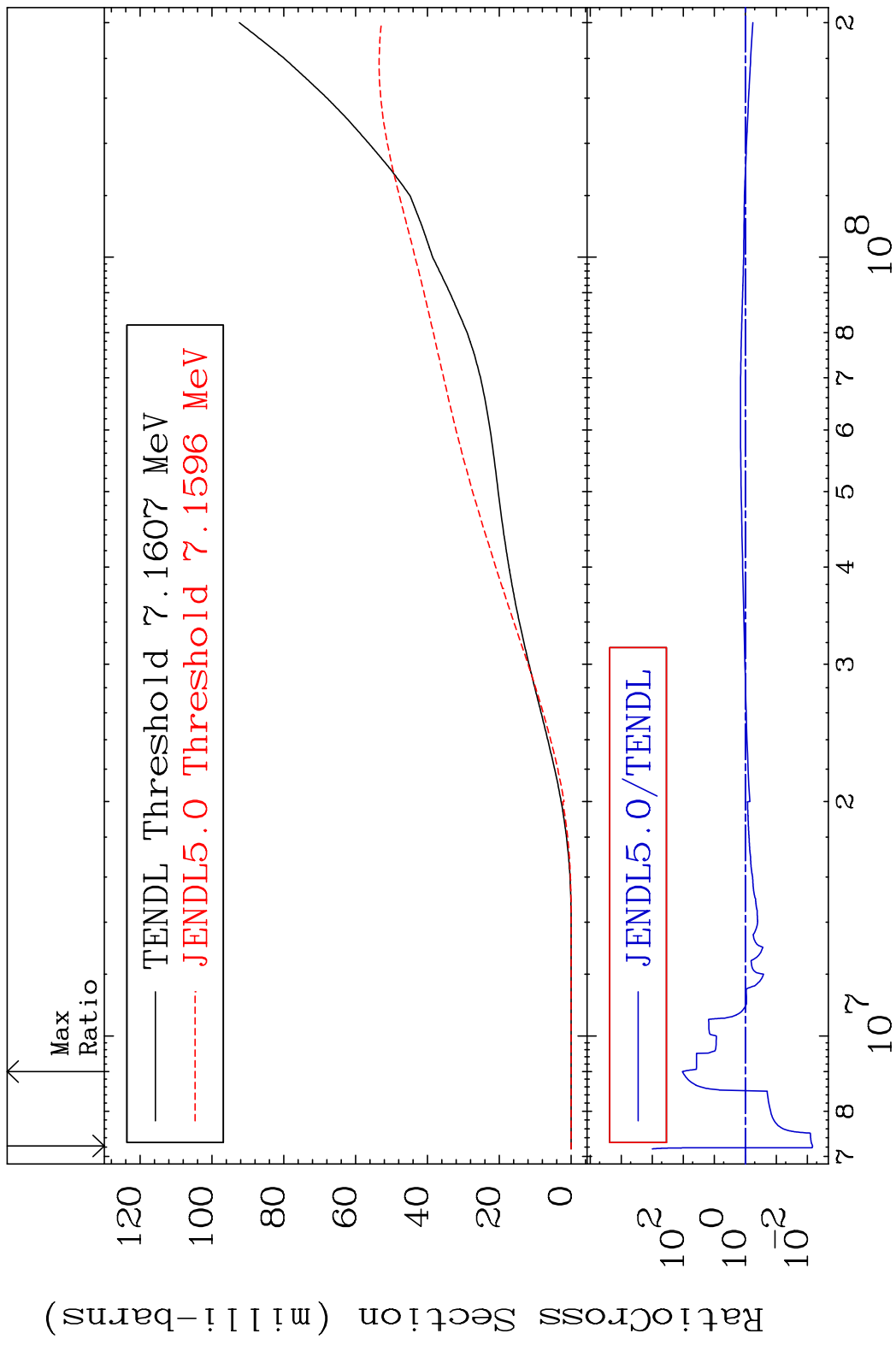


36

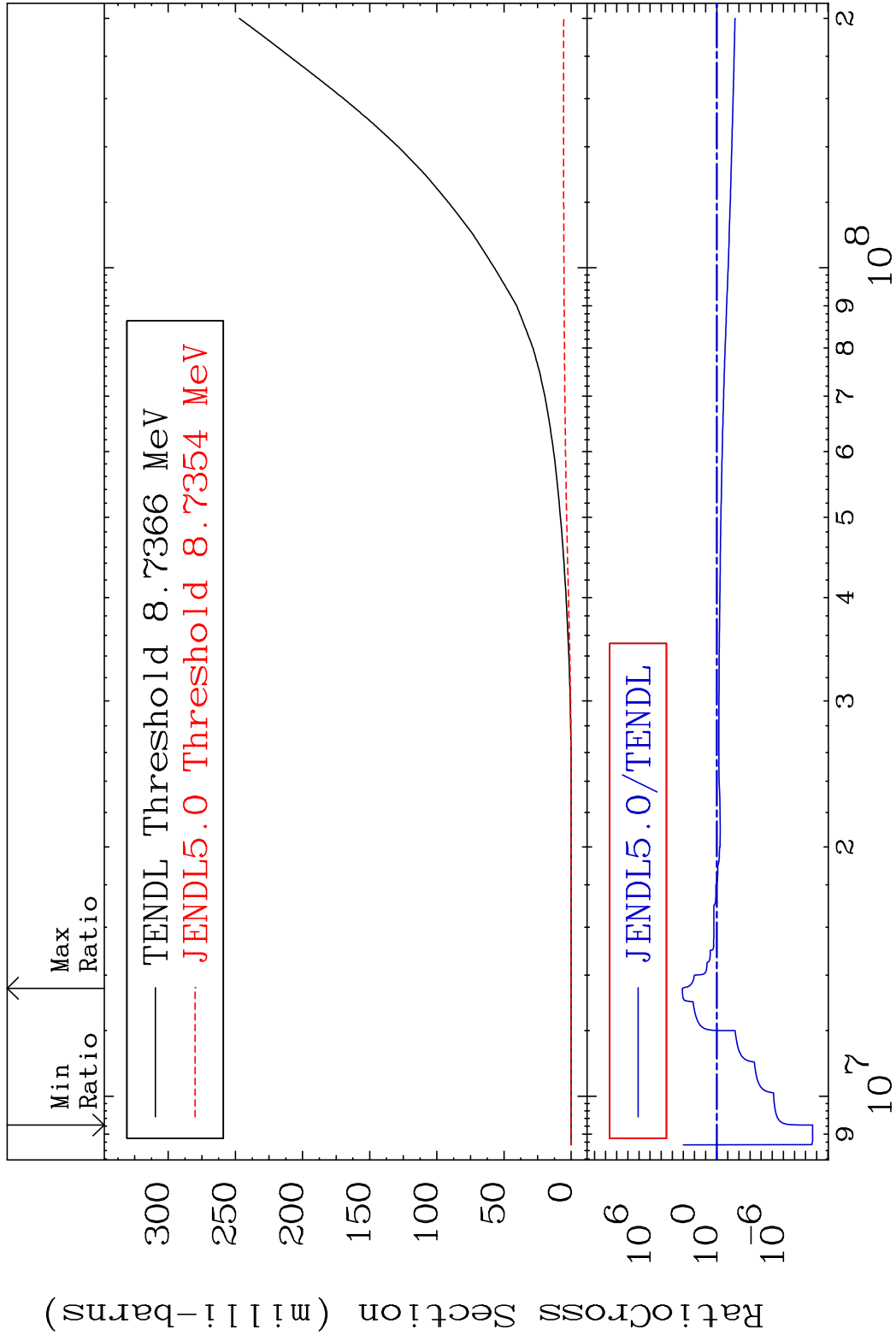
Incident Energy (eV)

53-I -129

MAT 5331 Tritium Production 53-I -129  
 Cross Section -99.32 To 9999. %



Cross Section -100.0 To 9999. %

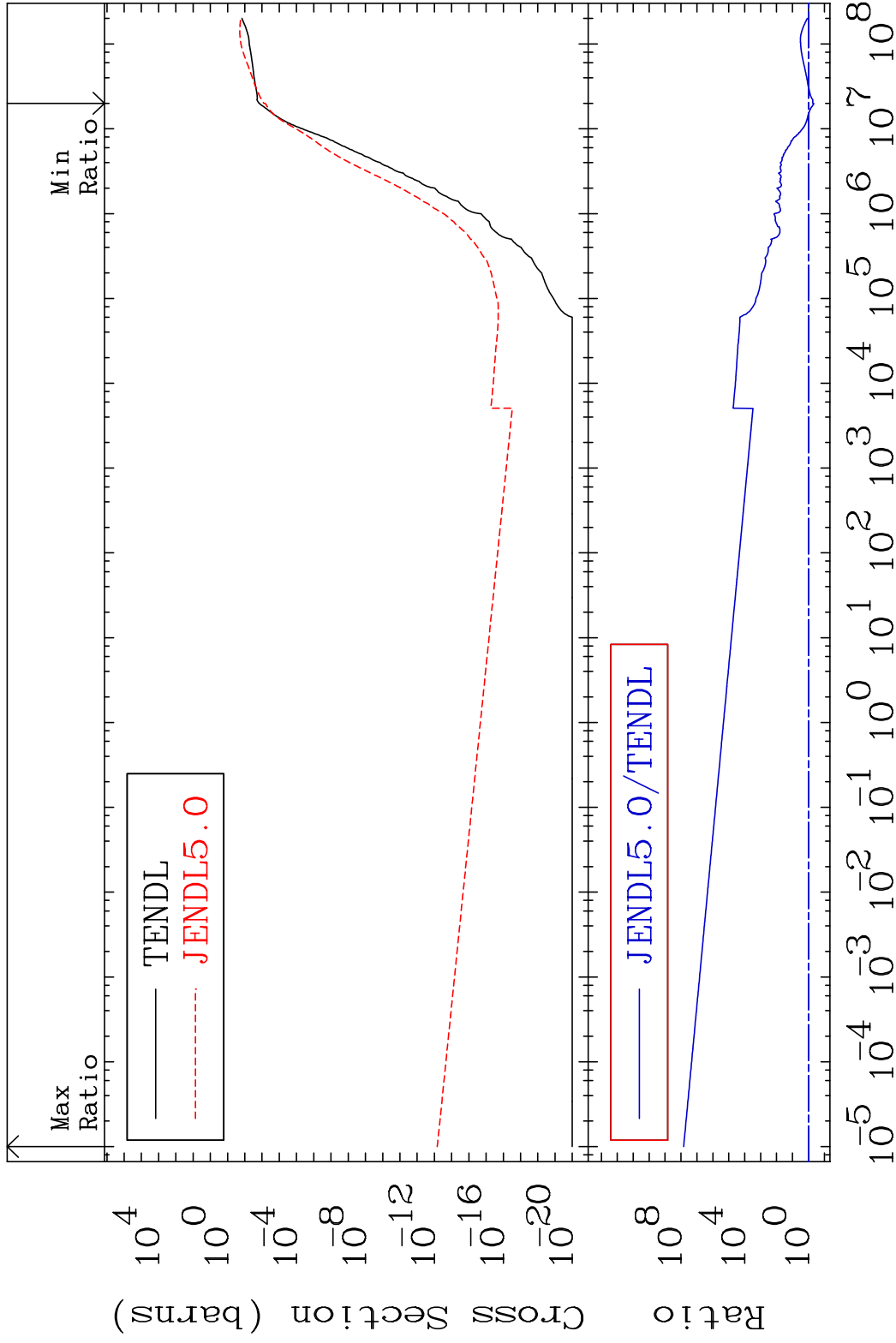


MAT 5331

He-4 Production

53-I -129

Cross Section -56.15 To 9999. %

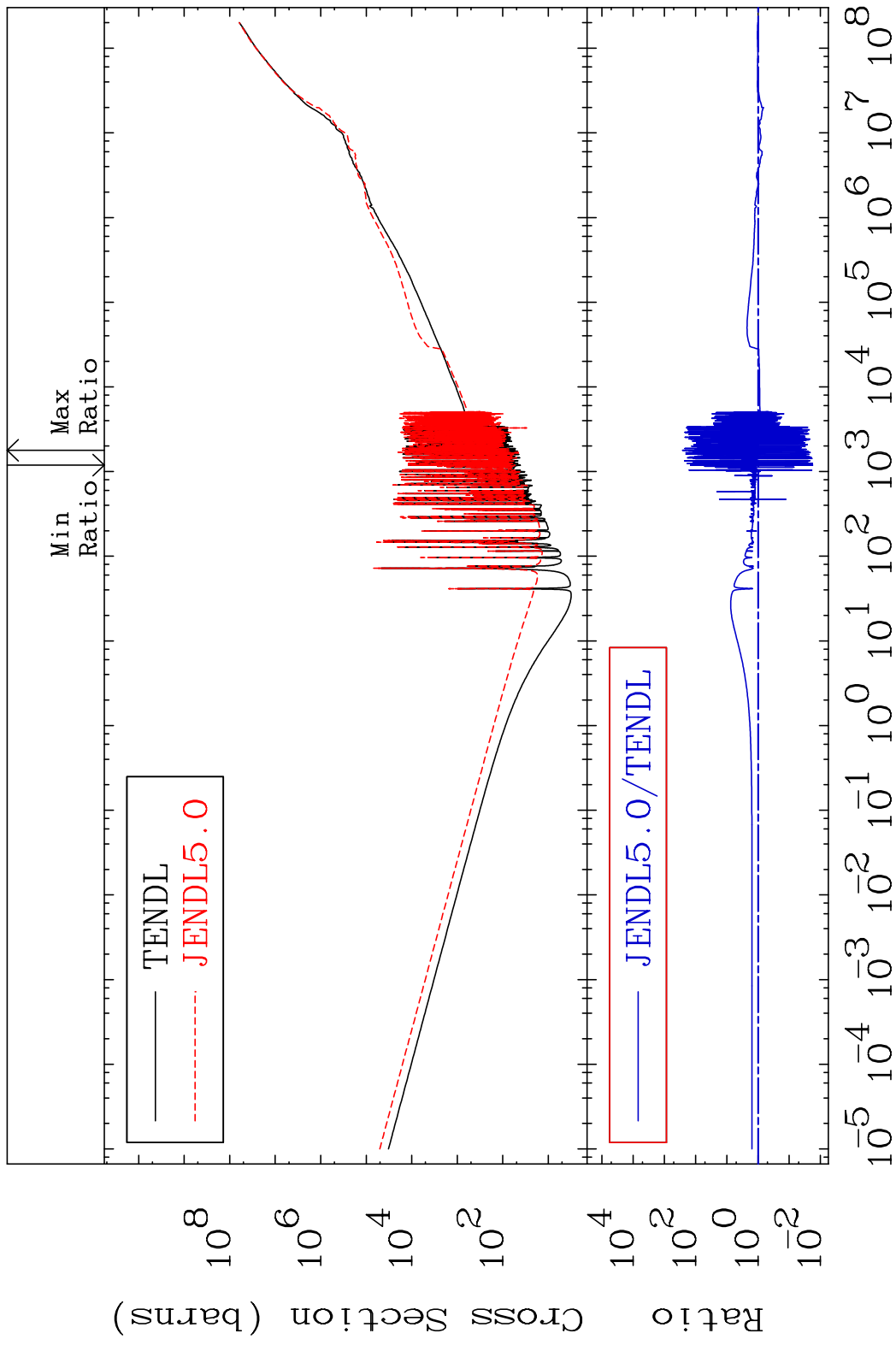


39

Incident Energy (eV)

53-I -129

MAT 5331 Kerma total (eV-barns) 53-I -129  
Cross Section -98.21 To 9999. %



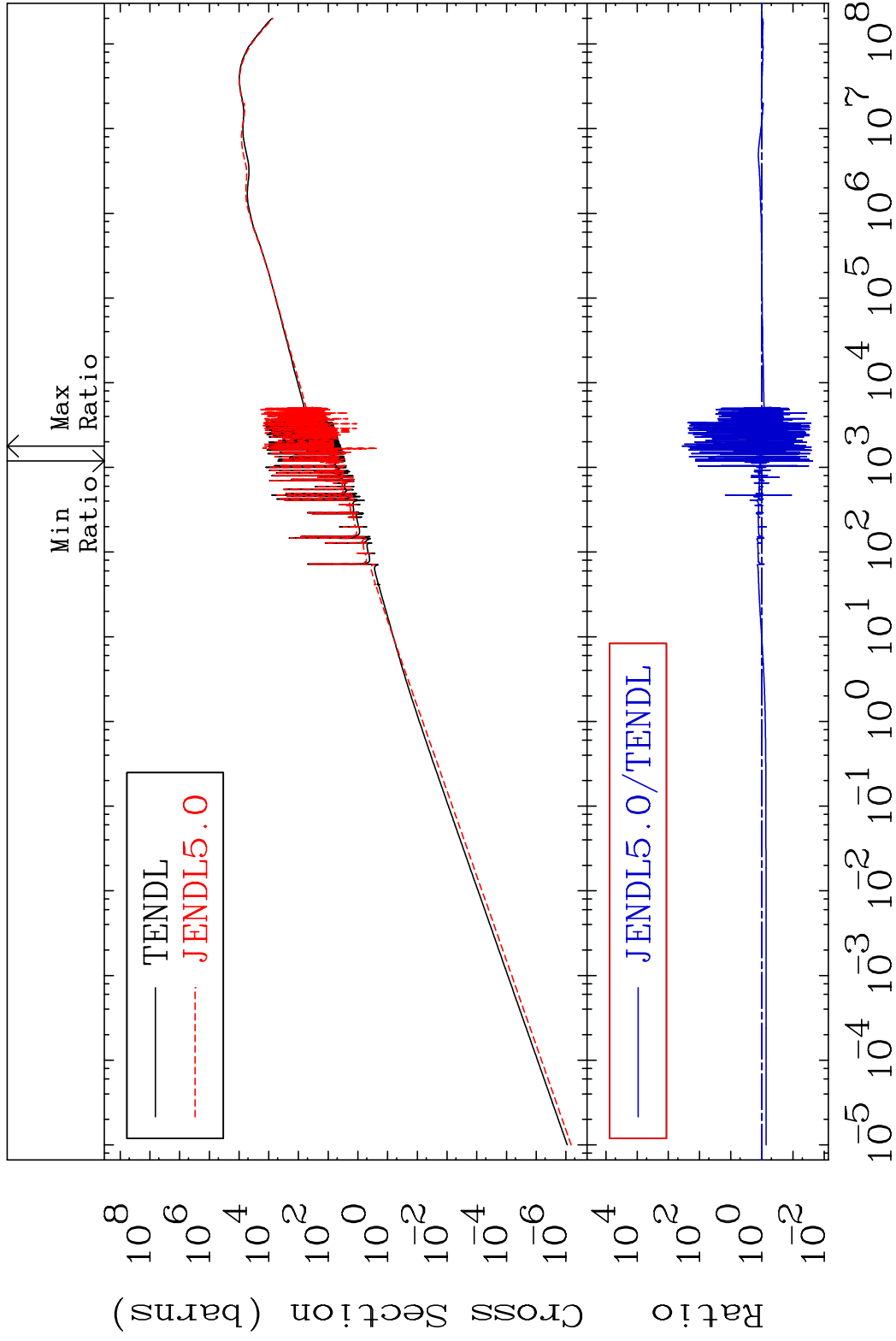
40 Incident Energy (eV) 53-I -129

MAT 5331

Kerma elastic

53-I -129

Cross Section -97.64 To 9999. %

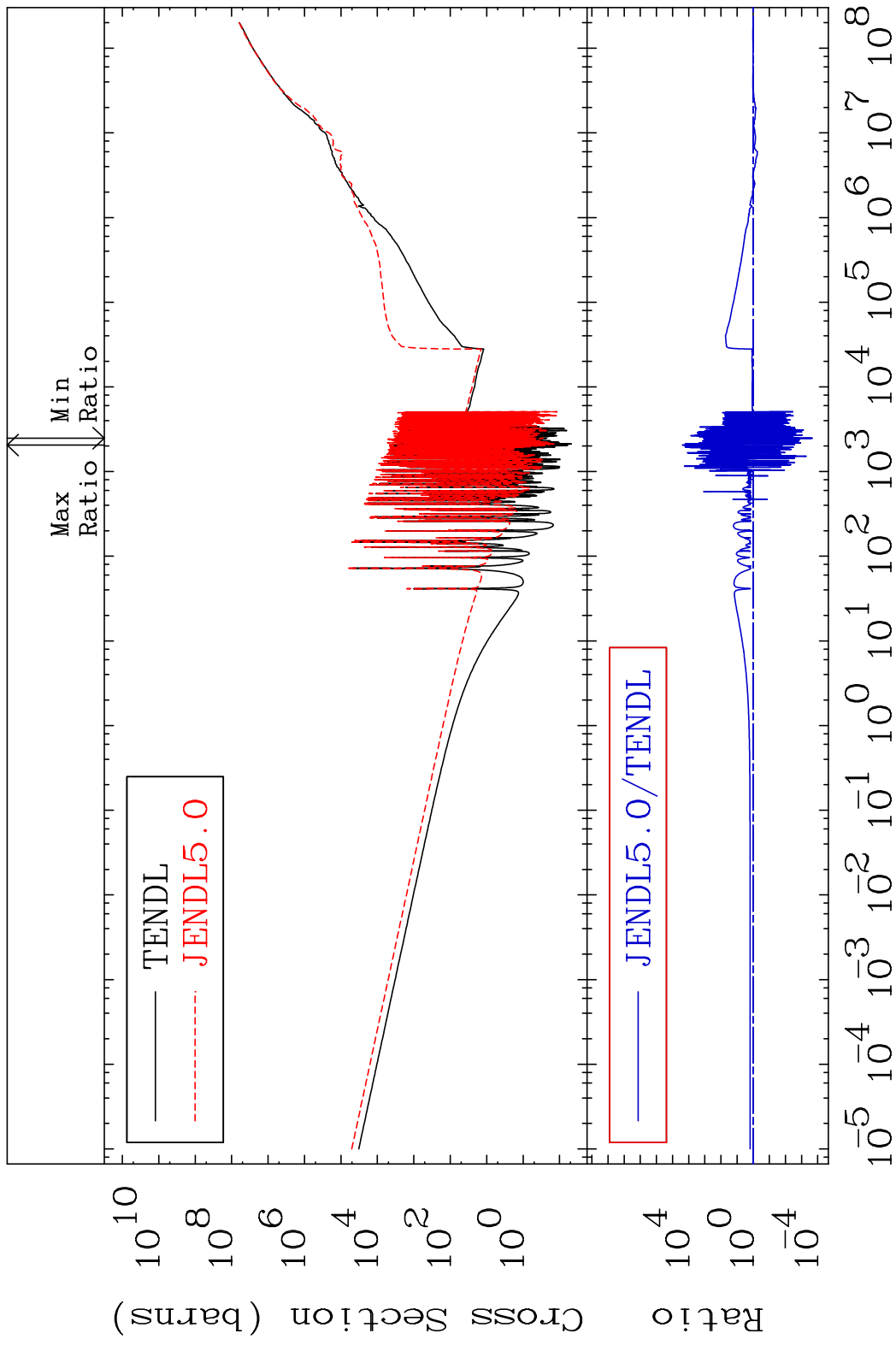


41

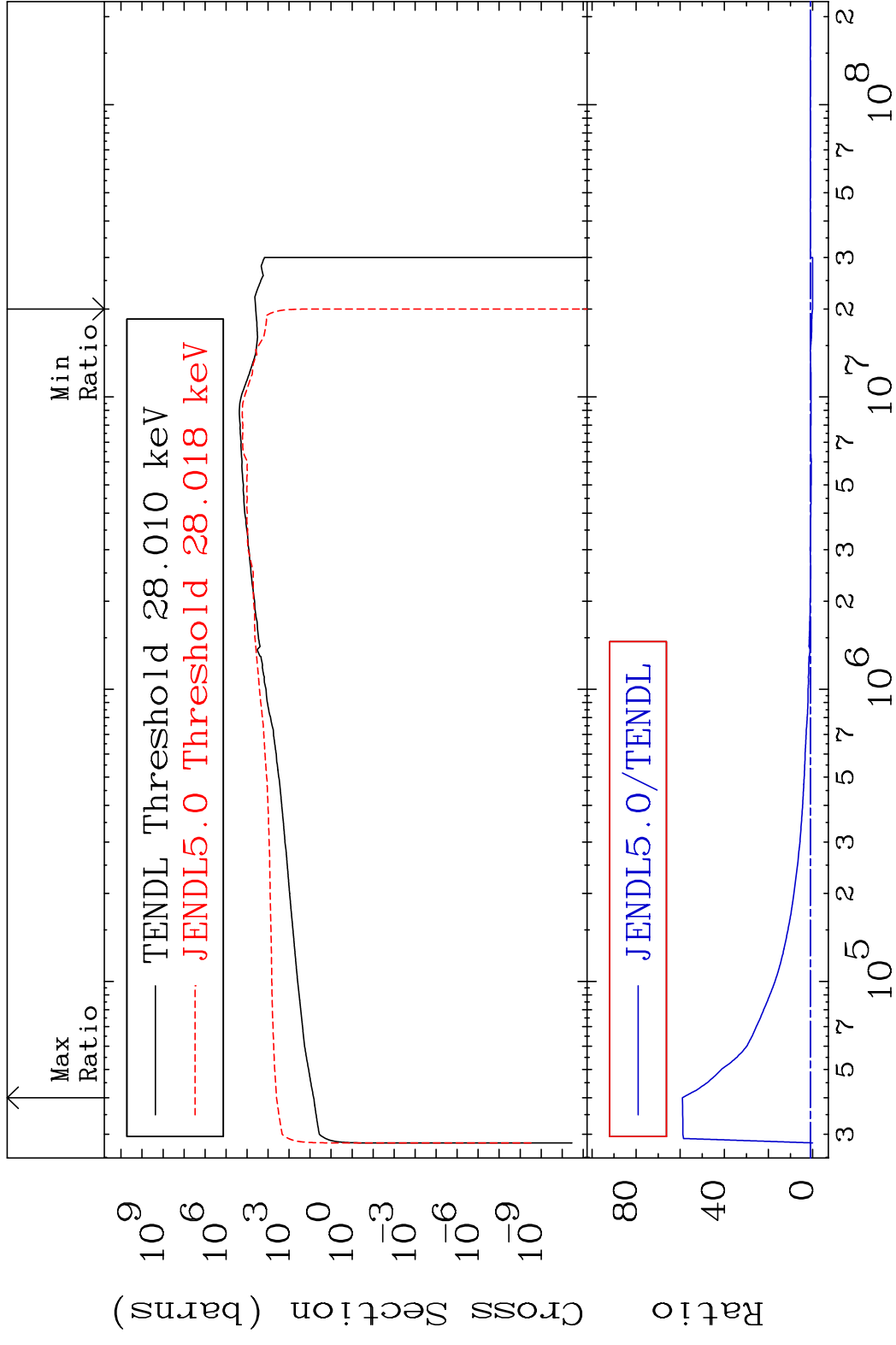
Incident Energy (eV)

53-I -129

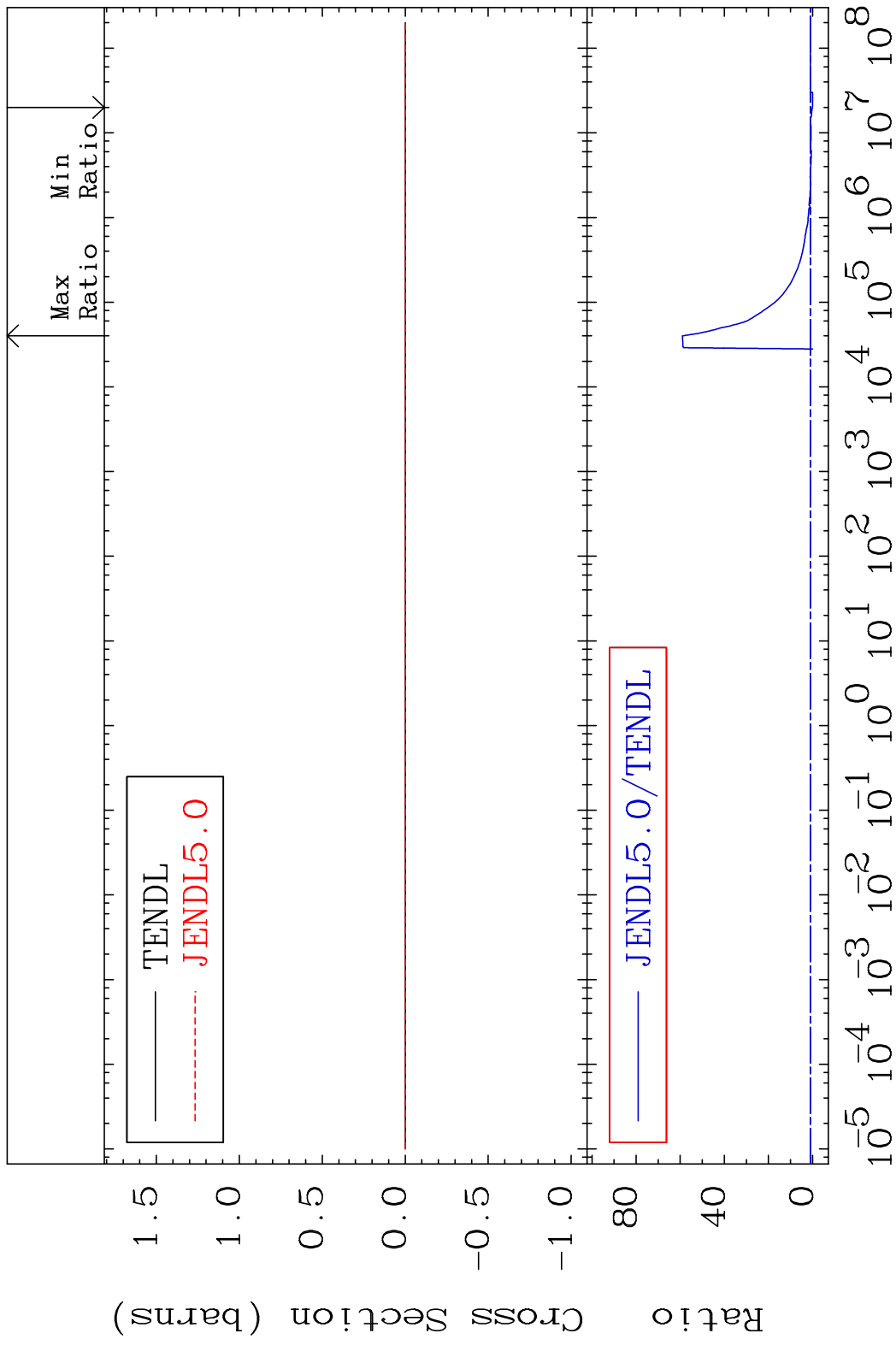
MAT 5331 Kerma non-elastic (all but mt2) 53-I -129  
 Cross Section -99.98 To 9999. %



MAT 5331 Kerma inelastic (mt51-91) 53-I -129  
 Cross Section -100.2 To 5803. %



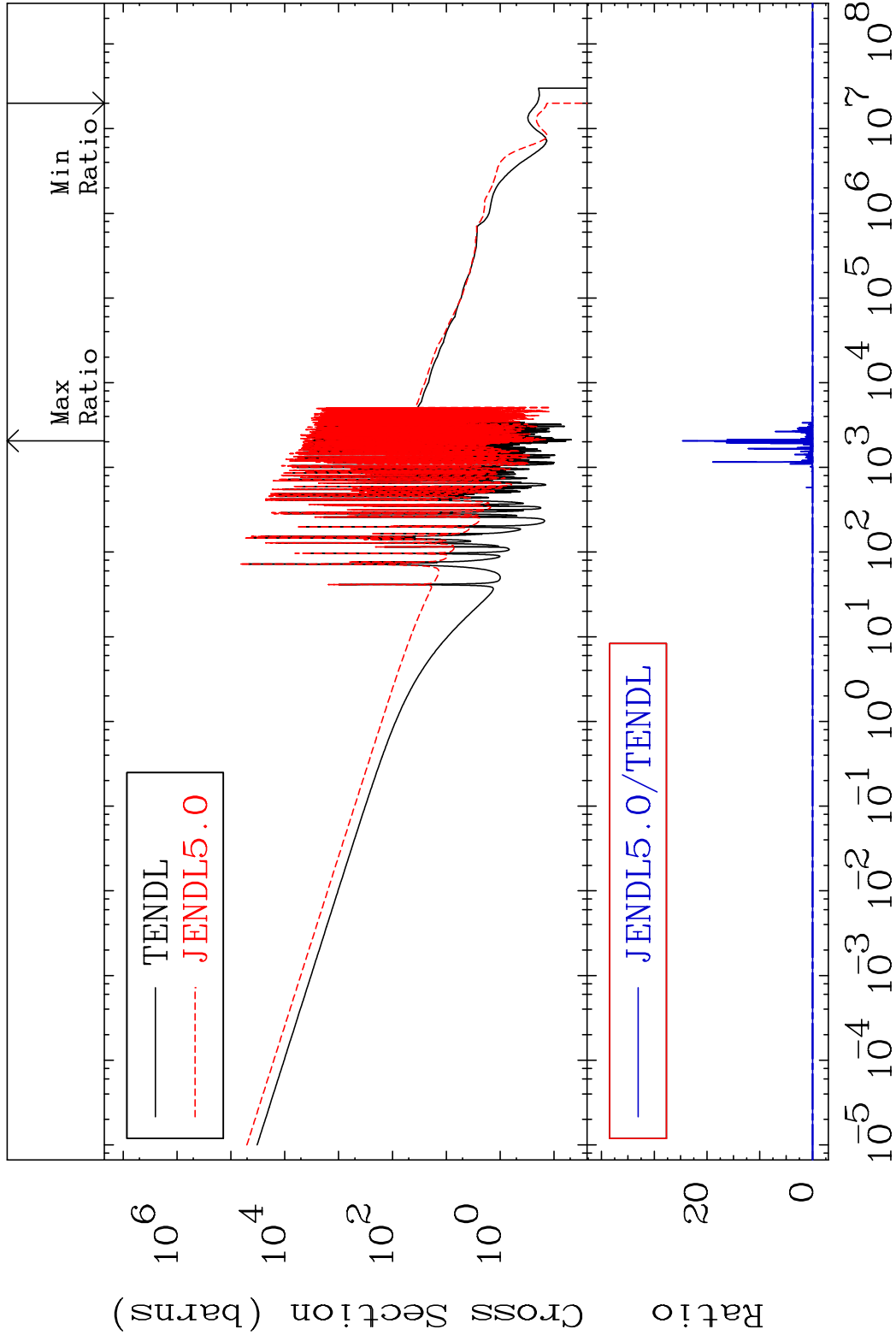
MAT 5331 Kerma fission (mt18 or mt19-20-21-38)53-I -129  
 Cross Section -100.2 To 5803. %



MAT 5331

Kerma capture (mt102) 53-I -129

Cross Section -100.0 To 9999. %

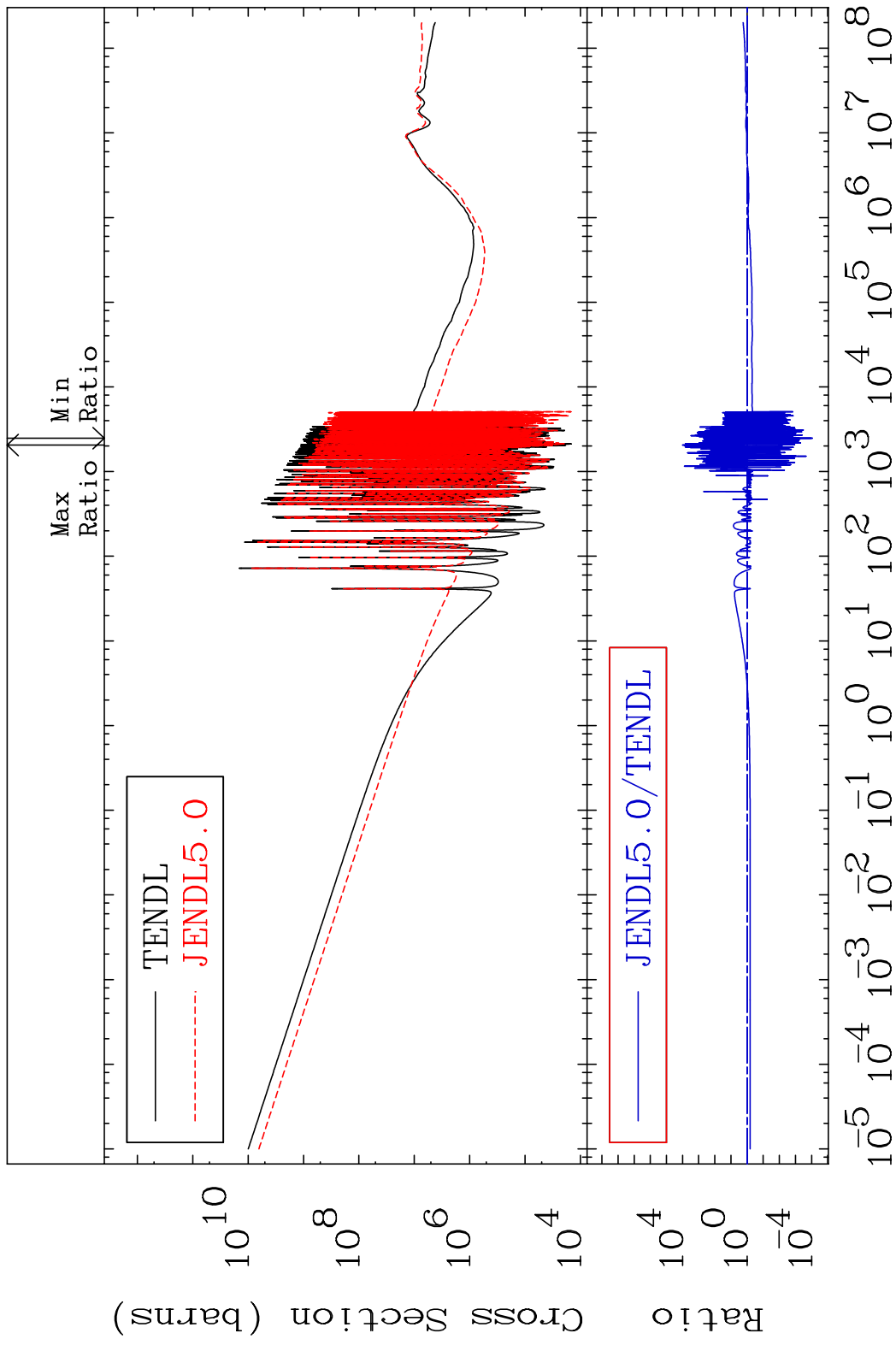


45

Incident Energy (eV)

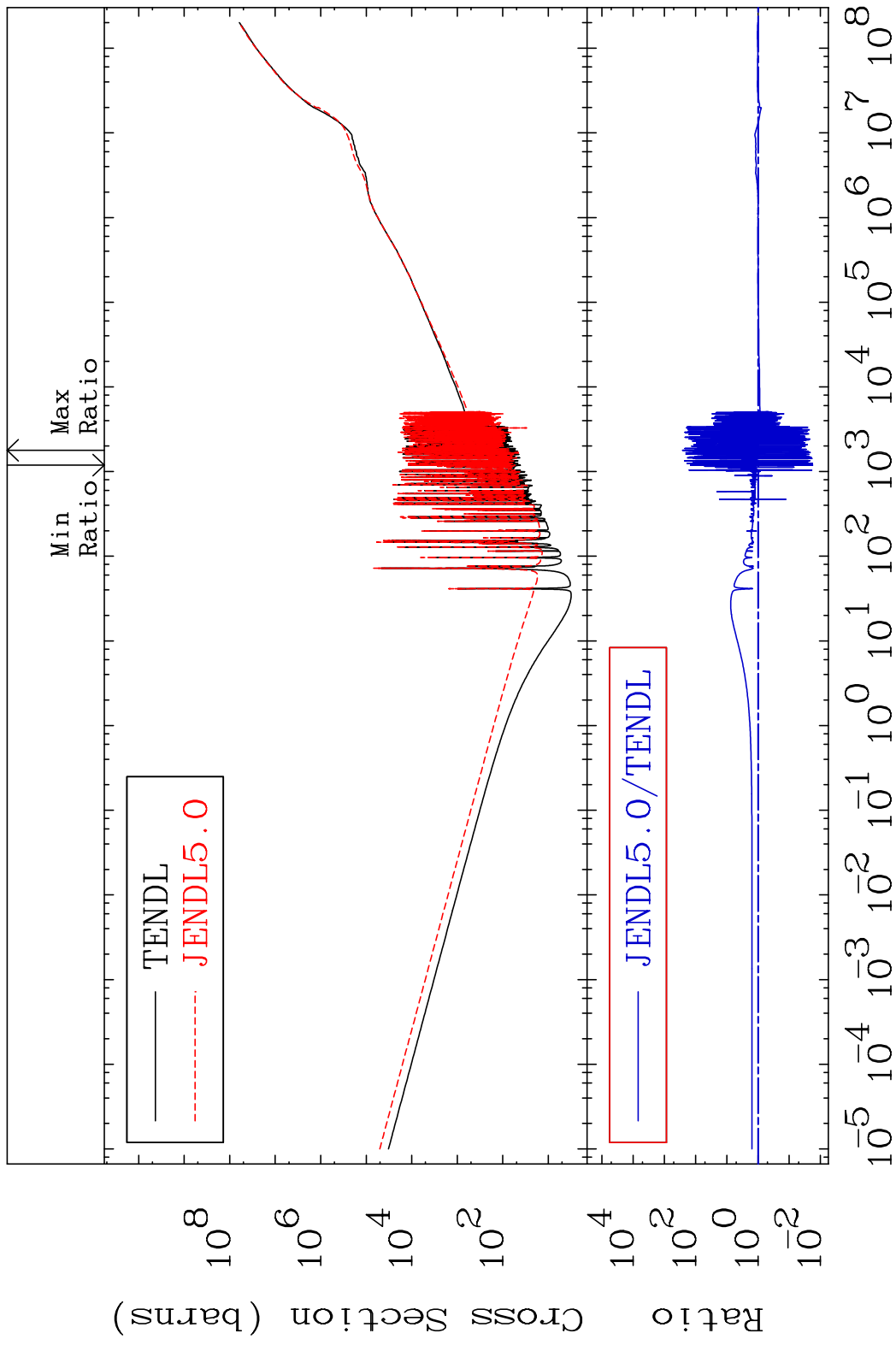
53-I -129

MAT 5331 Total photon (eV-barns) 53-I -129  
 Cross Section -99.99 To 9999. %

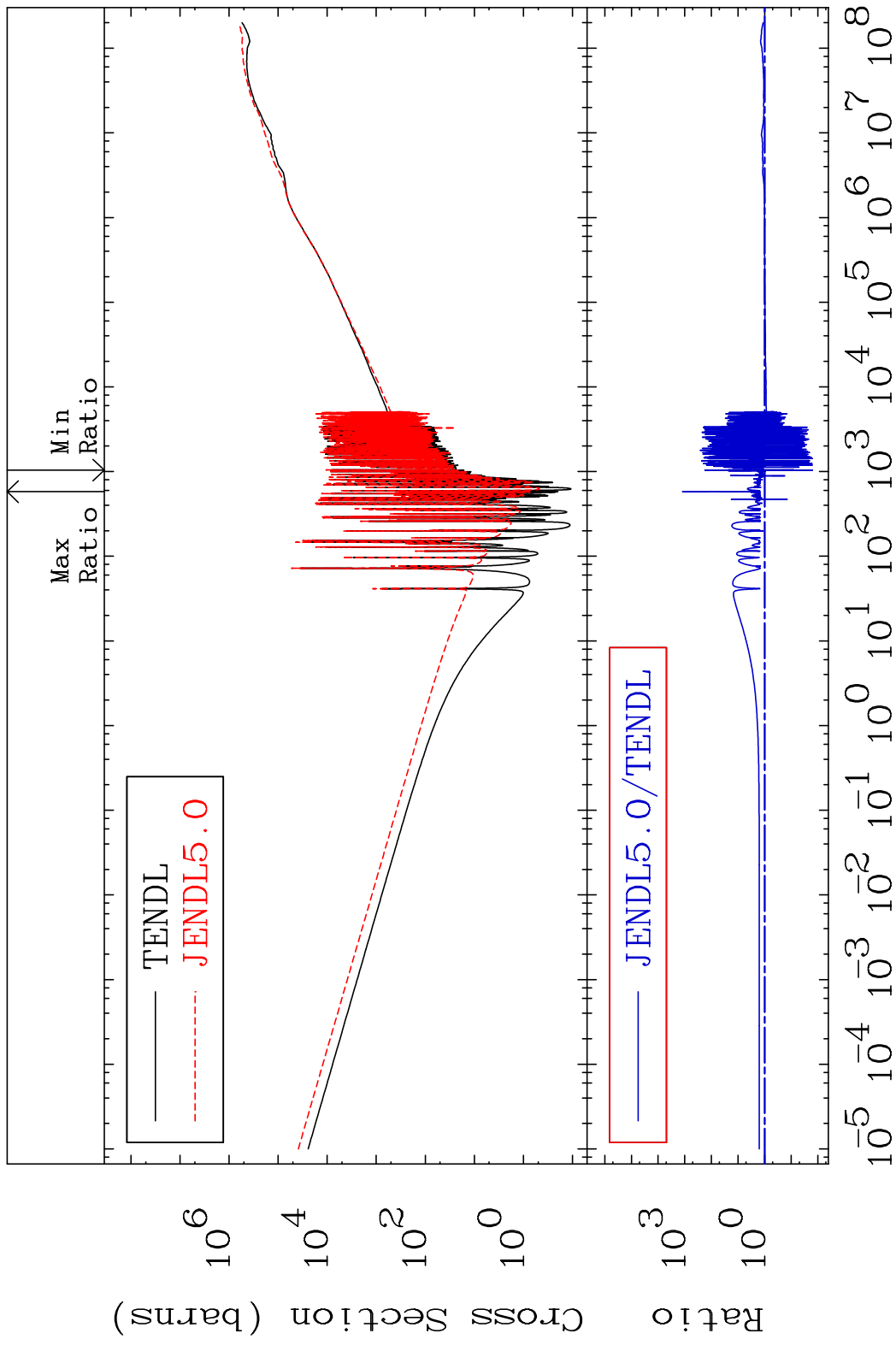


46 Incident Energy (eV) 53-I -129

MAT 5331 Total kinematic kerma (high limit) 53-I -129  
 Cross Section -98.21 To 9999. %



MAT 5331 Dpa total (eV-barns) 53-I -129  
 Cross Section -98.41 To 9999. %

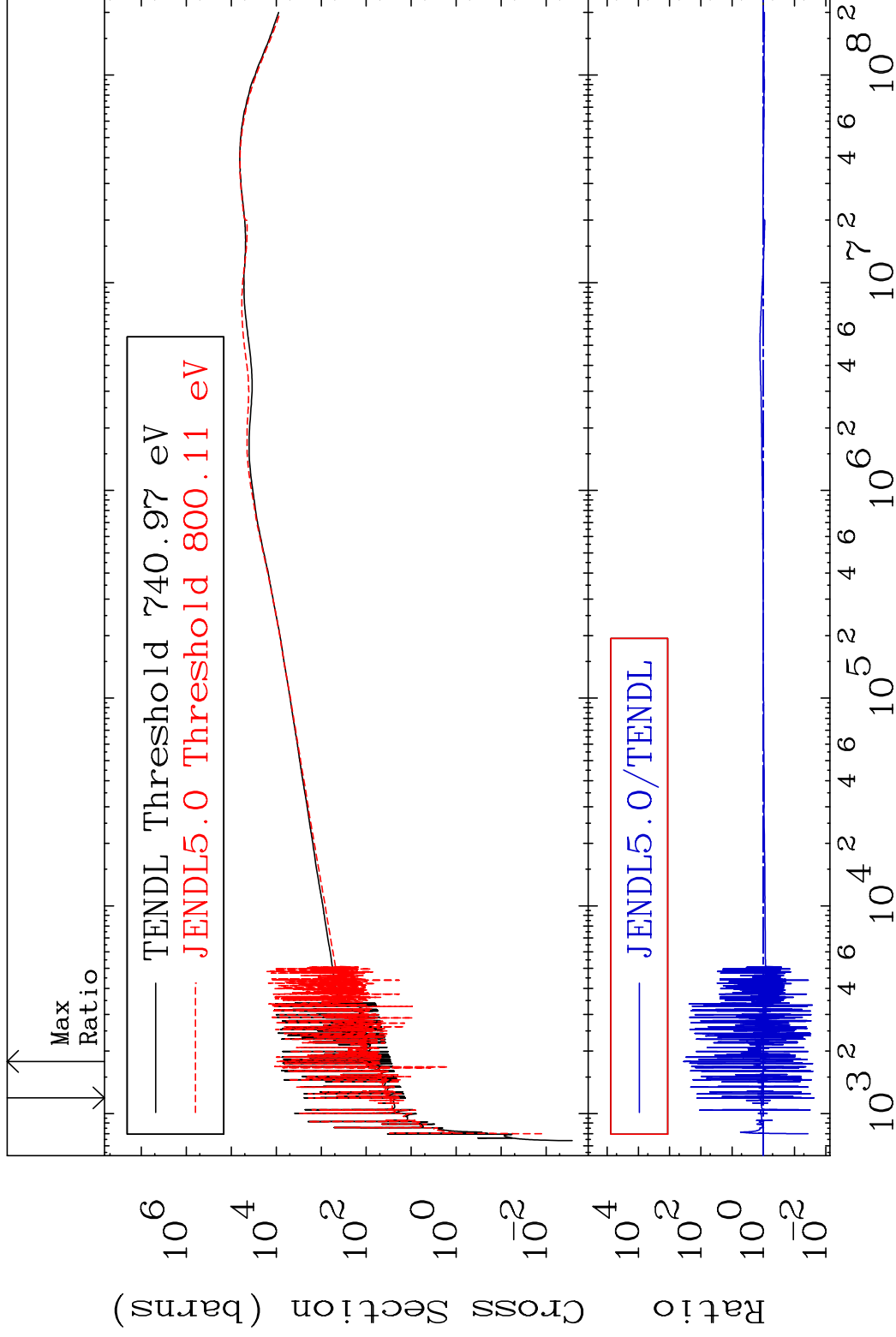


MAT 5331

Dpa elastic (mt2)

53-I -129

Cross Section -97.64 To 9999. %

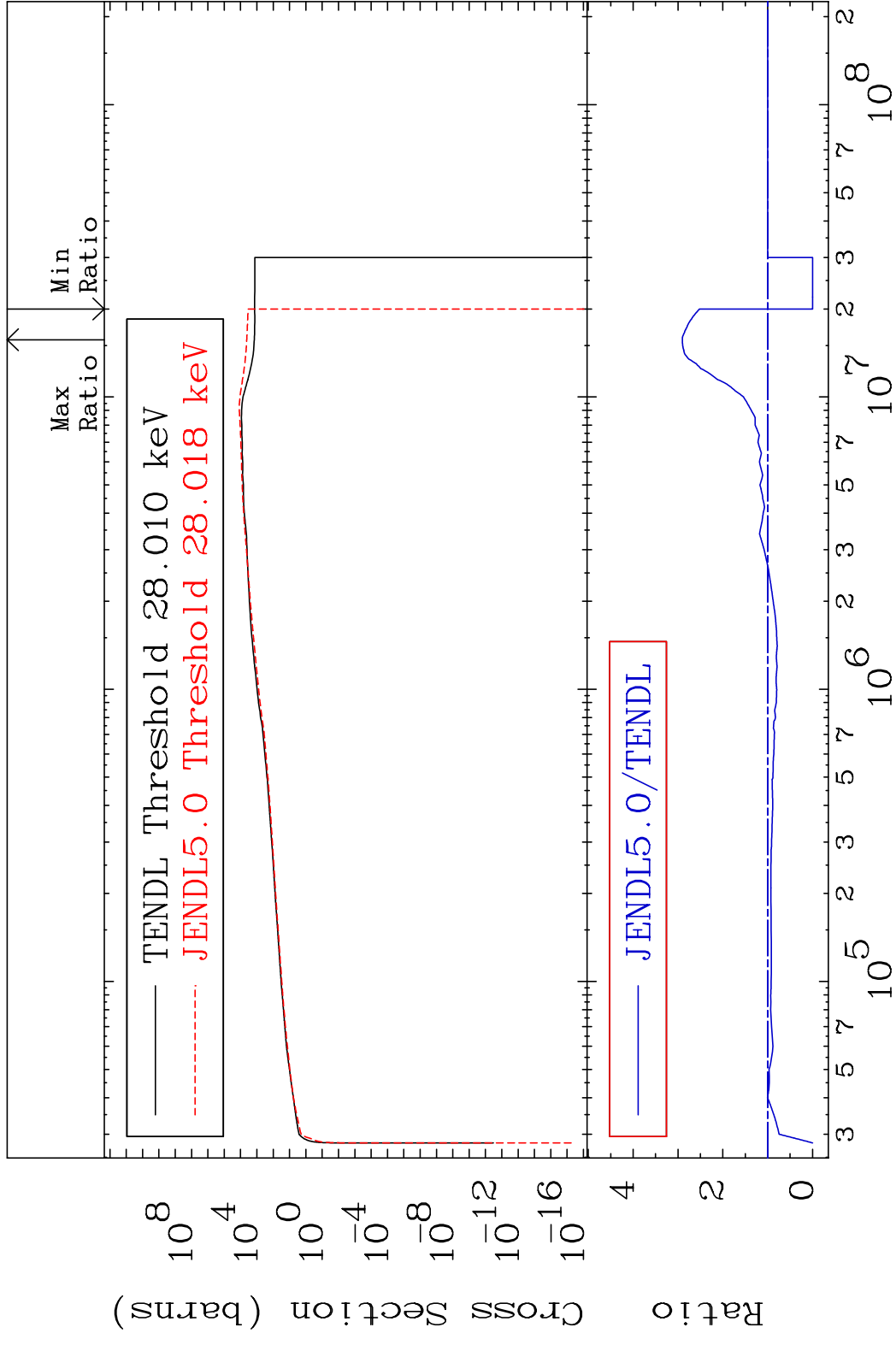


49

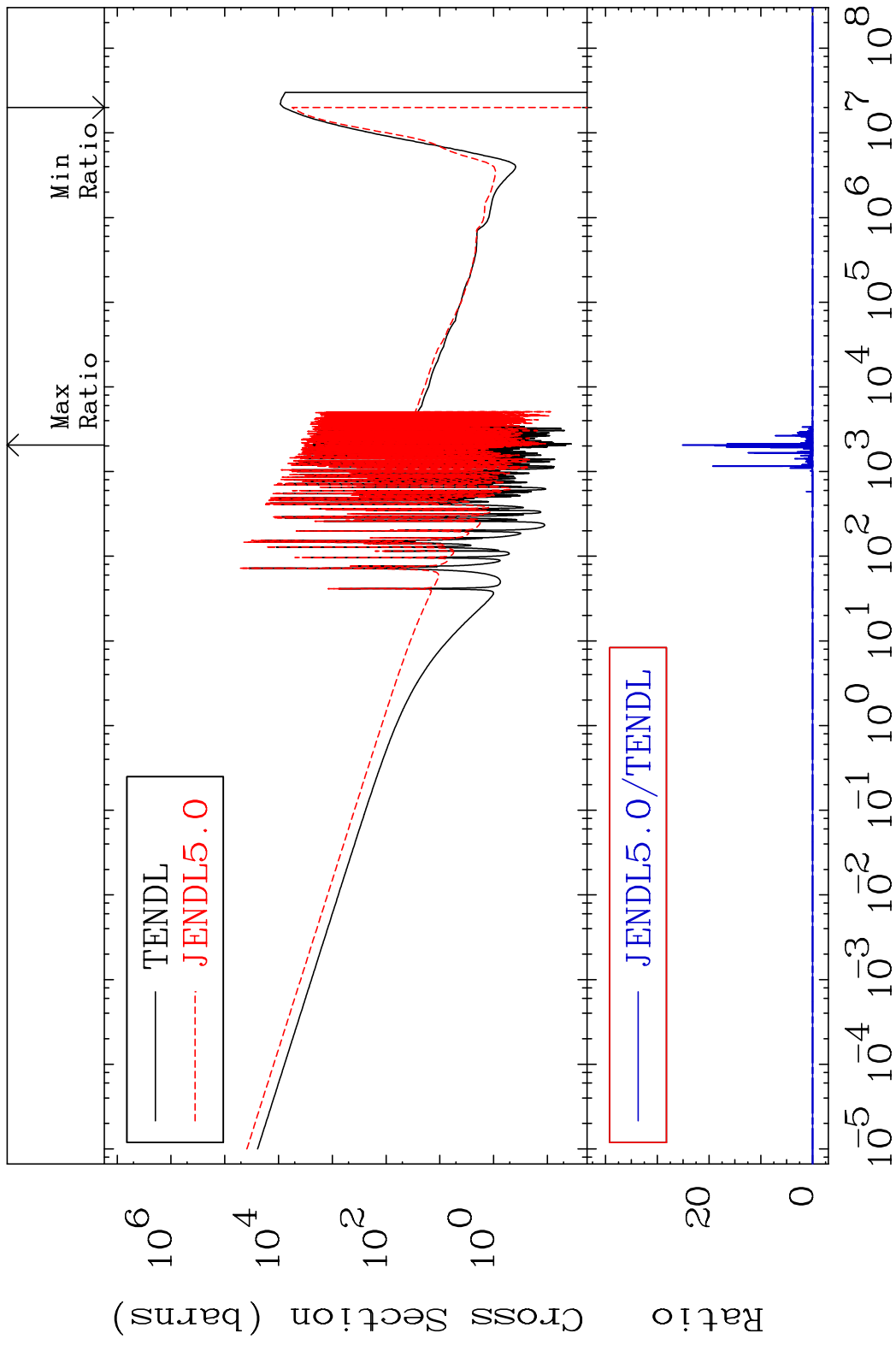
Incident Energy (eV)

53-I -129

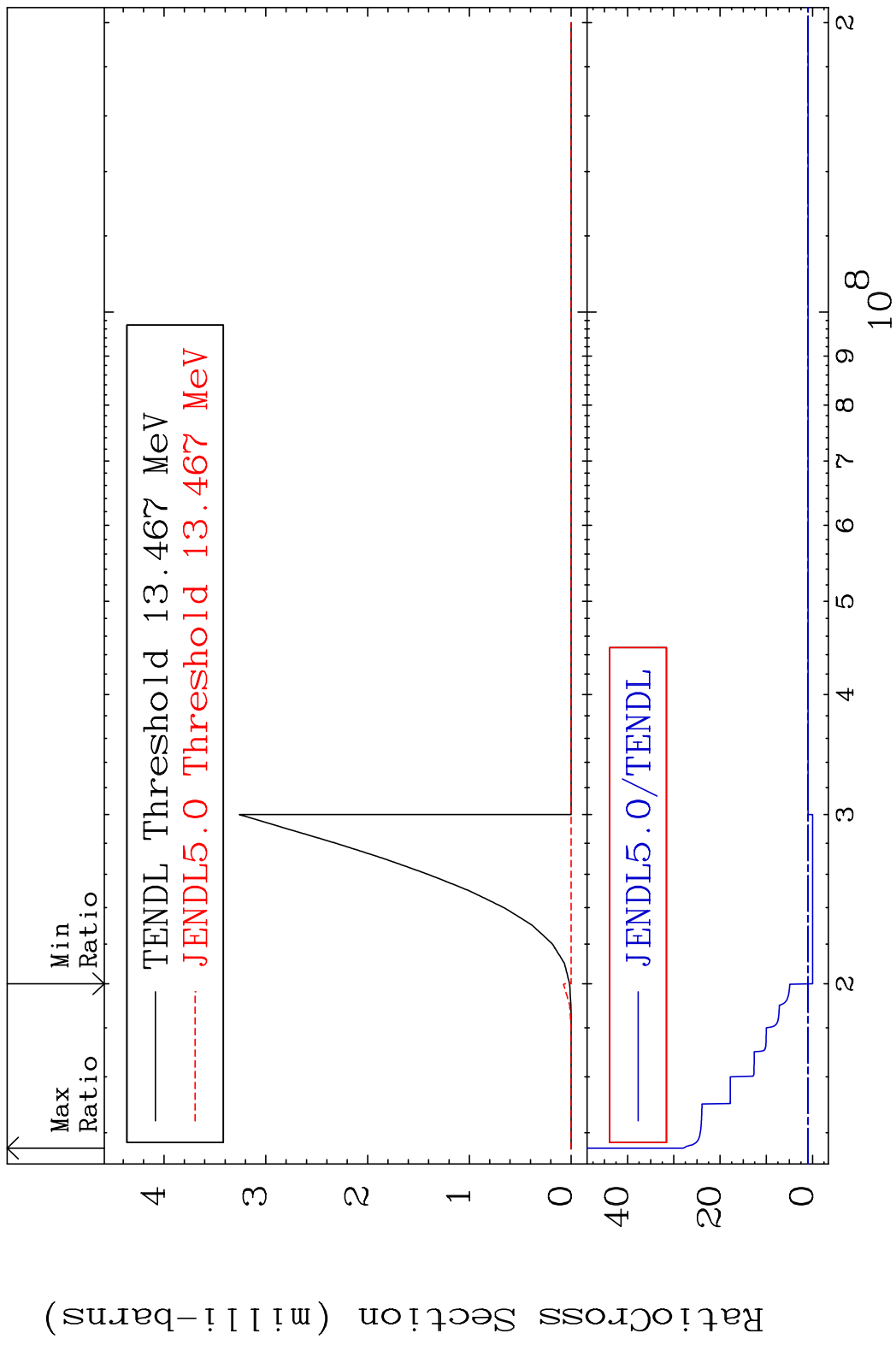
MAT 5331 Dpa inelastic (mt51-91) 53-I -129  
 Cross Section -100.0 To 190.2 %



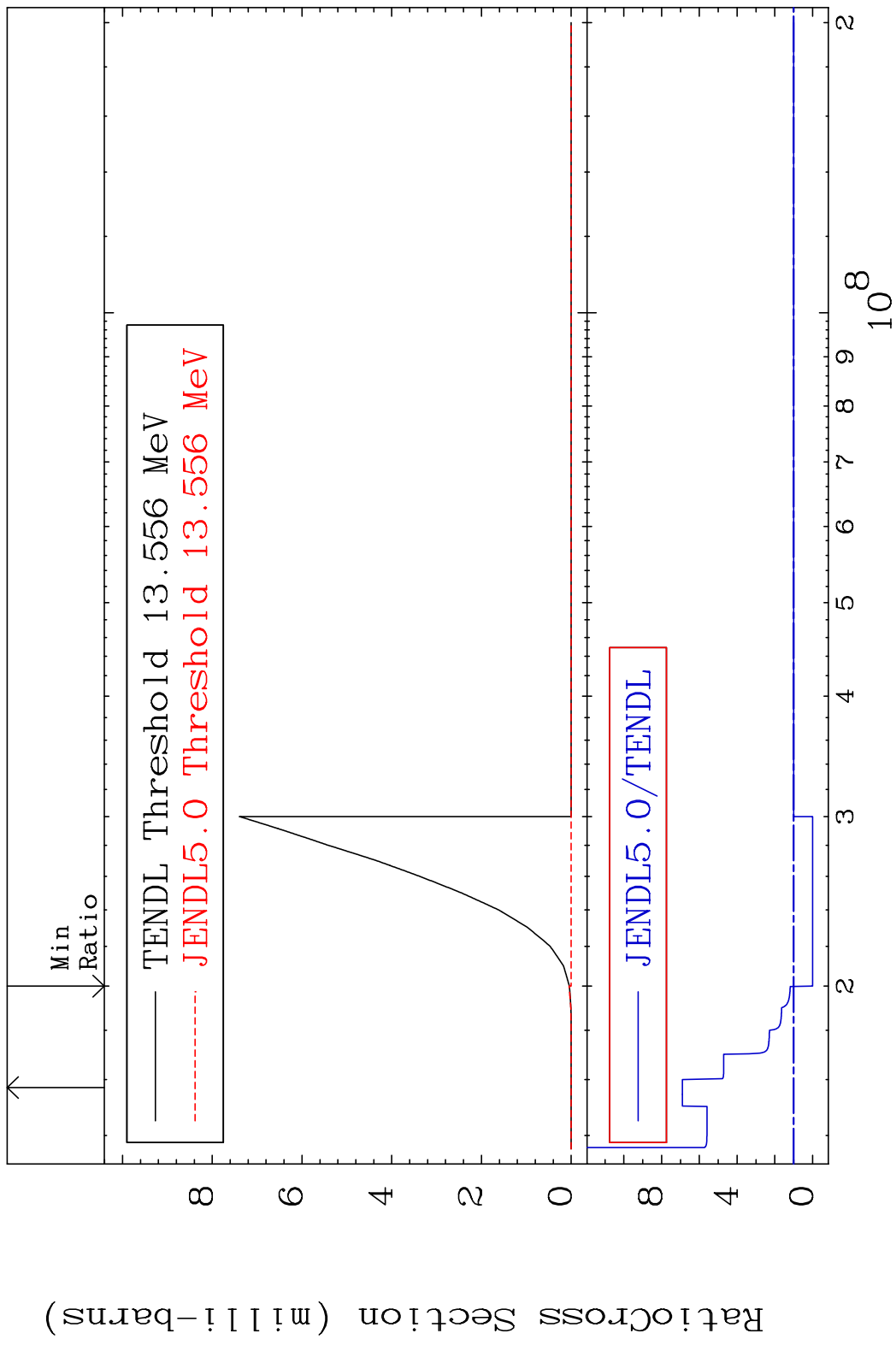
MAT 5331 Dpa disappearance (mt102 -120) 53-I -129  
 Cross Section -100.0 To 9999. %

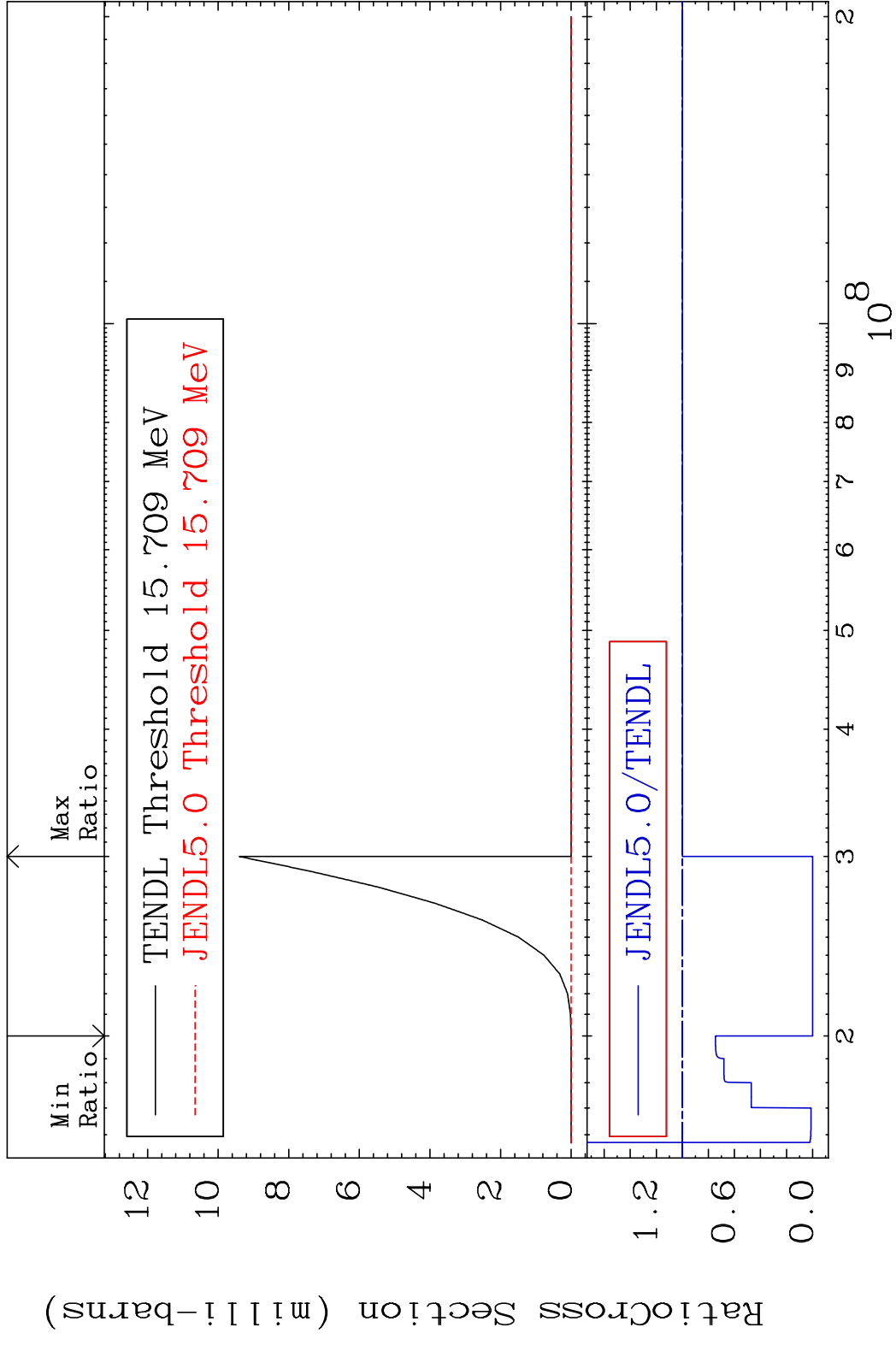


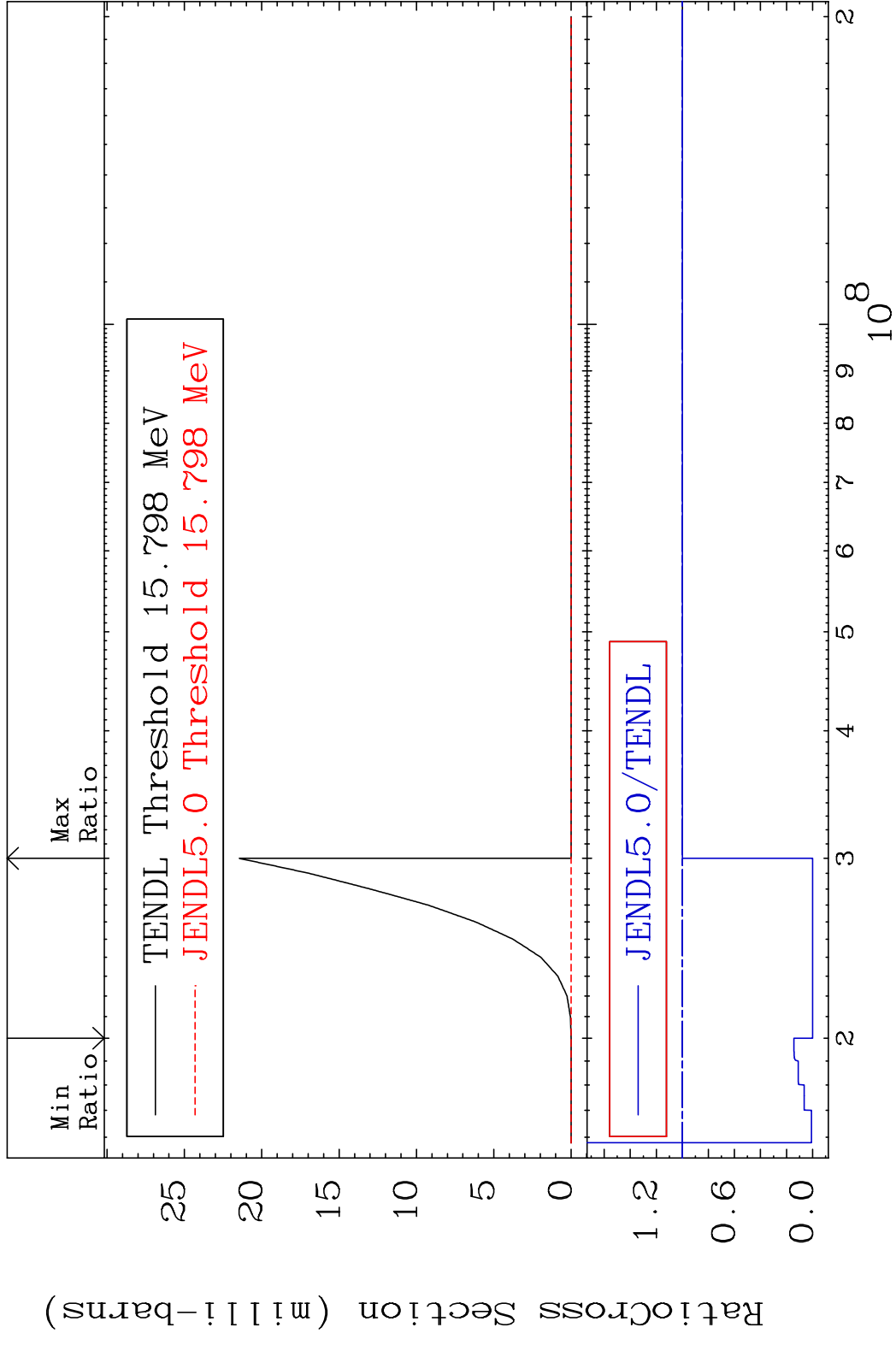
51 Incident Energy (eV) 53-I -129

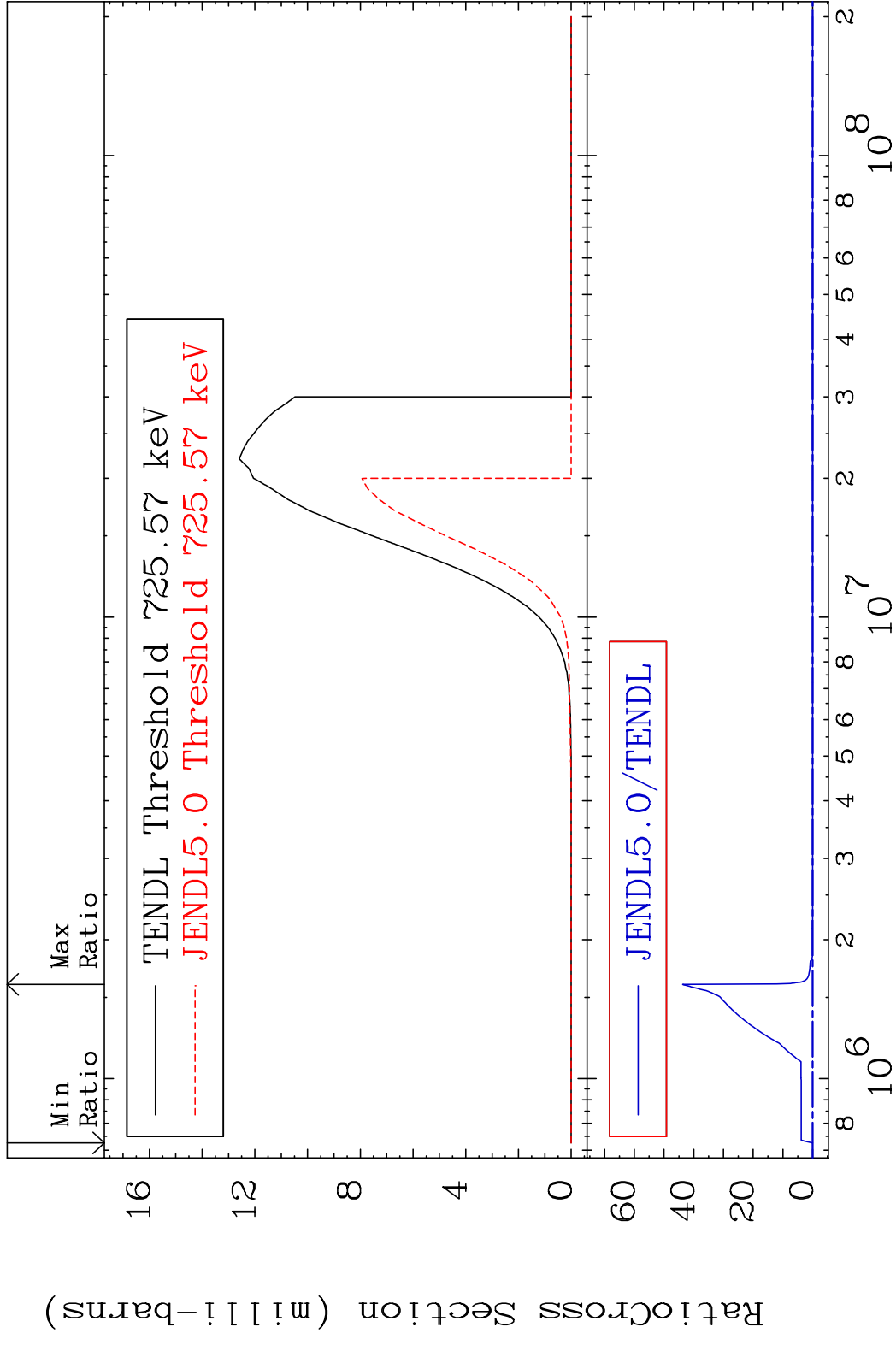


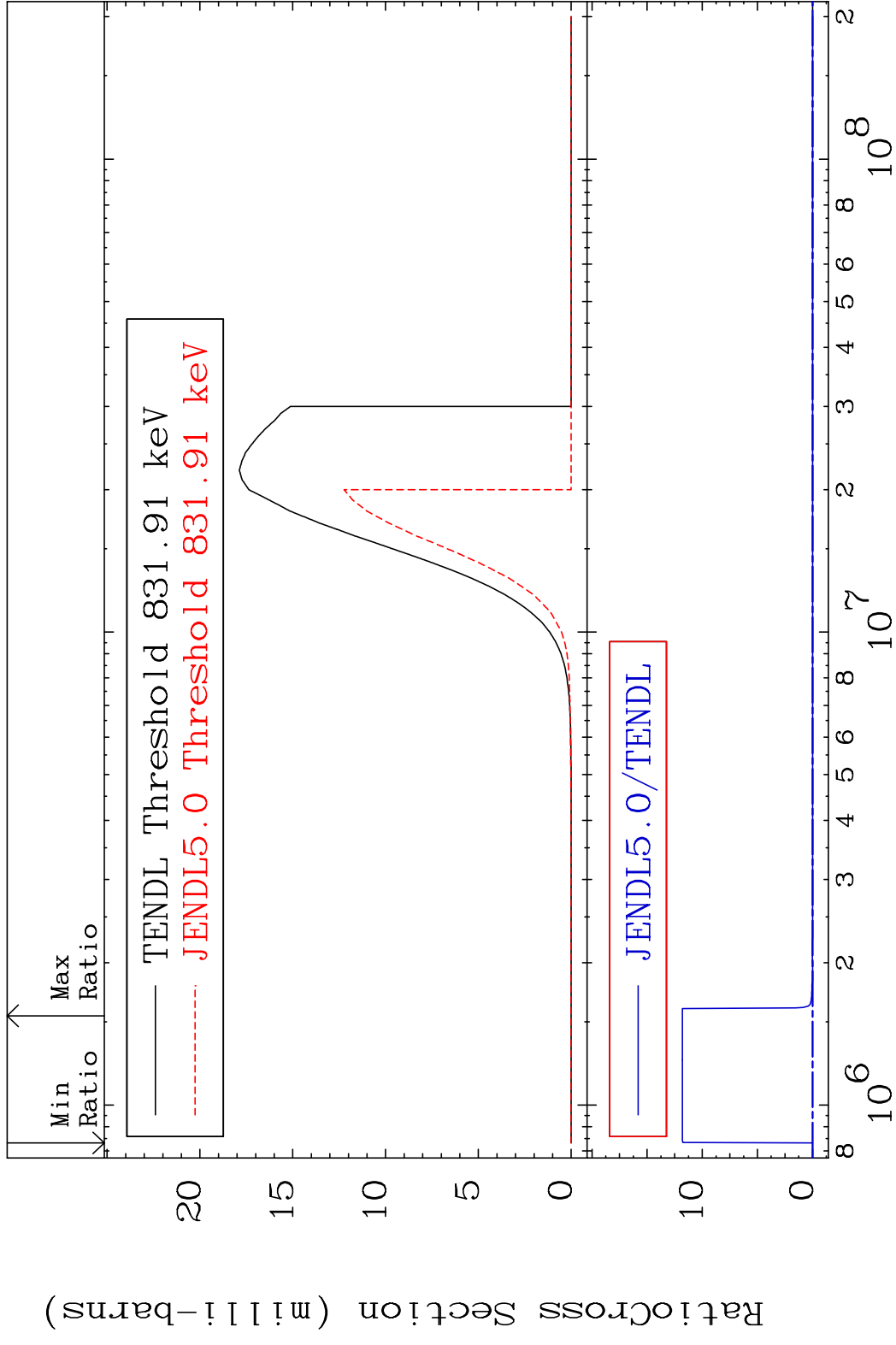
MAT 5331 (n, n') d:52-Te-127m2 53-I -129  
 Radionuclide Production Cross Section to 590.0 %

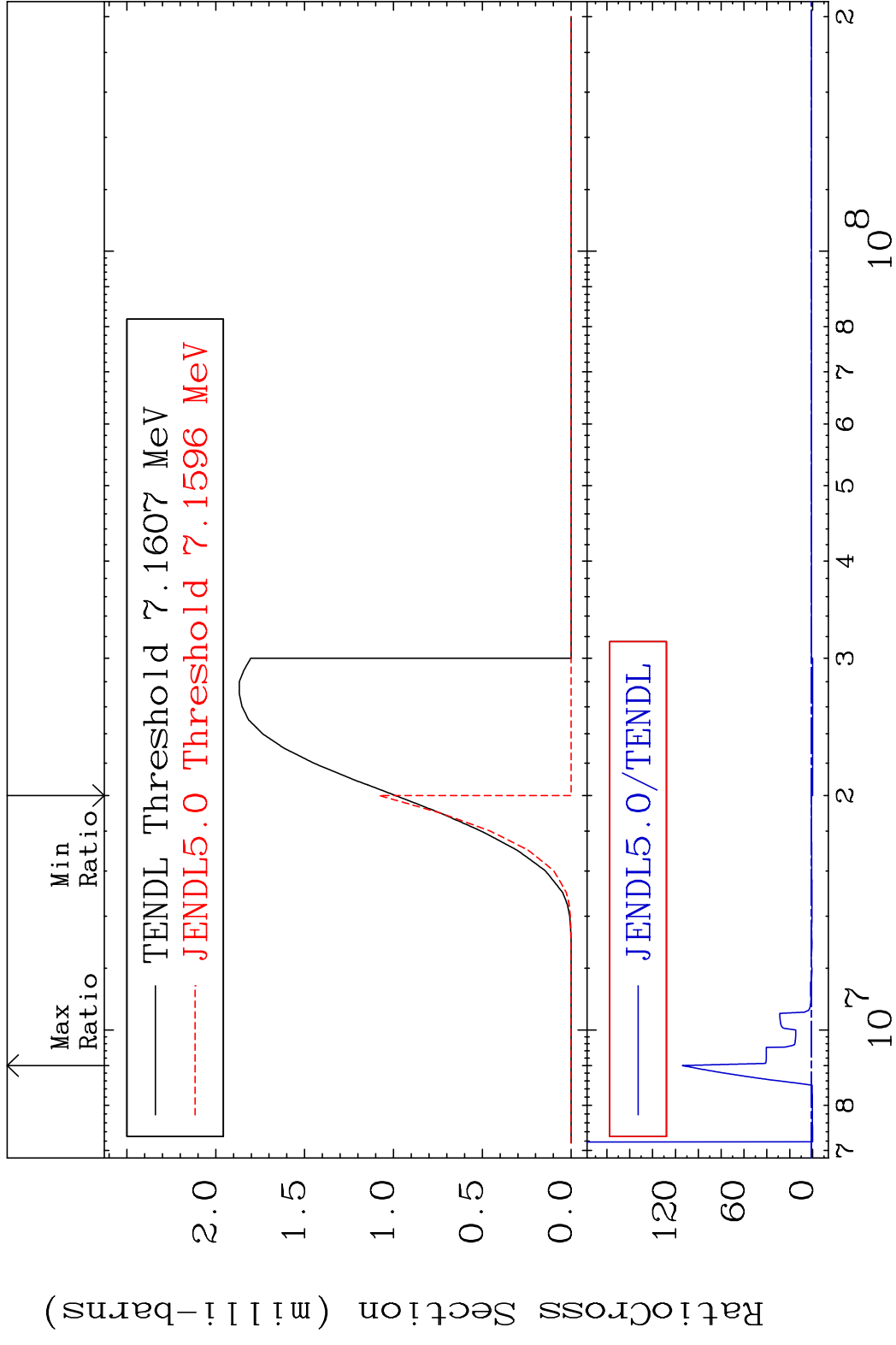




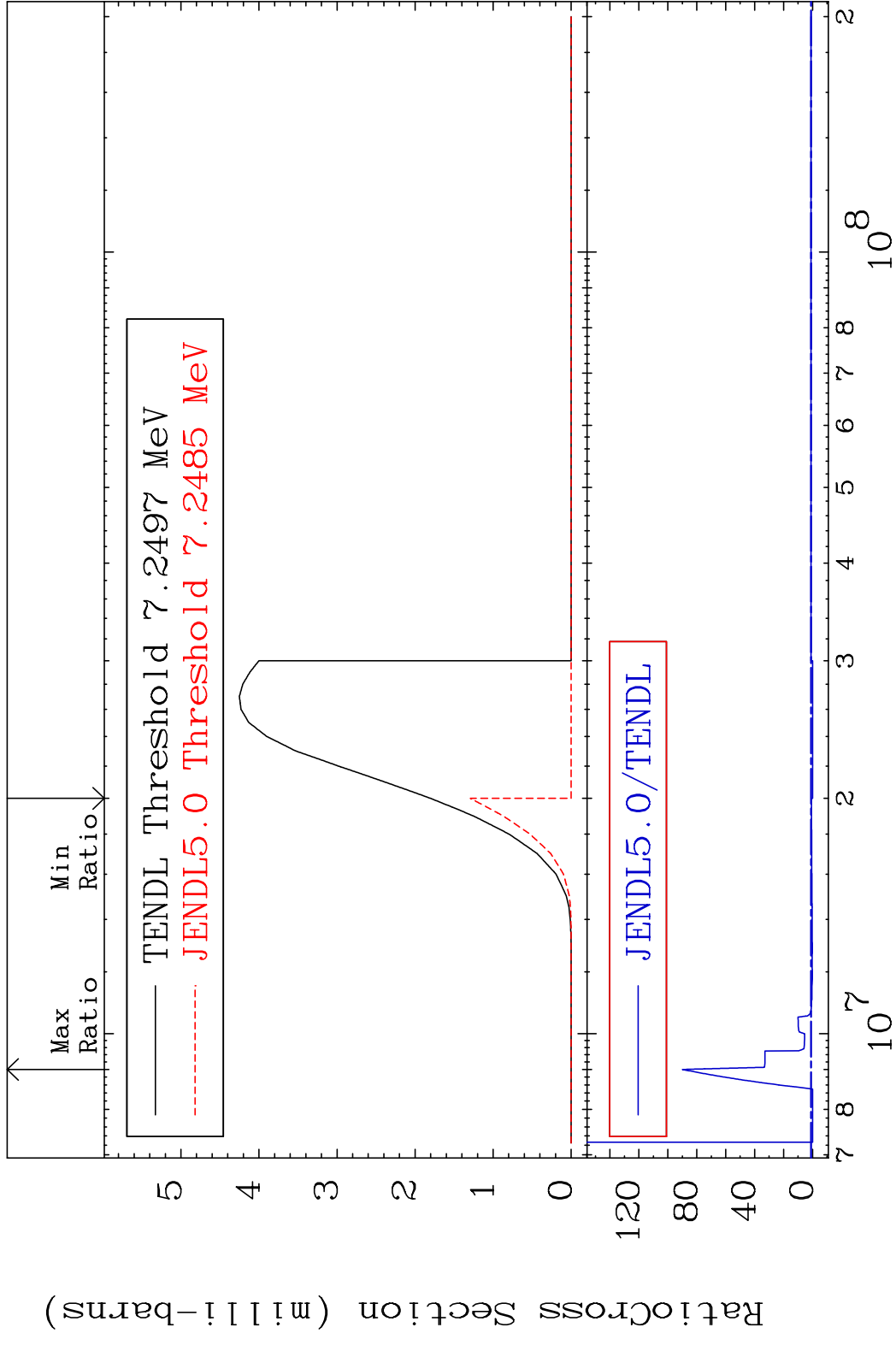








MAT 5331 (n, t):52-Te-127m2 53-I -129  
 Radionuclide Production Cross Section to 8897. %

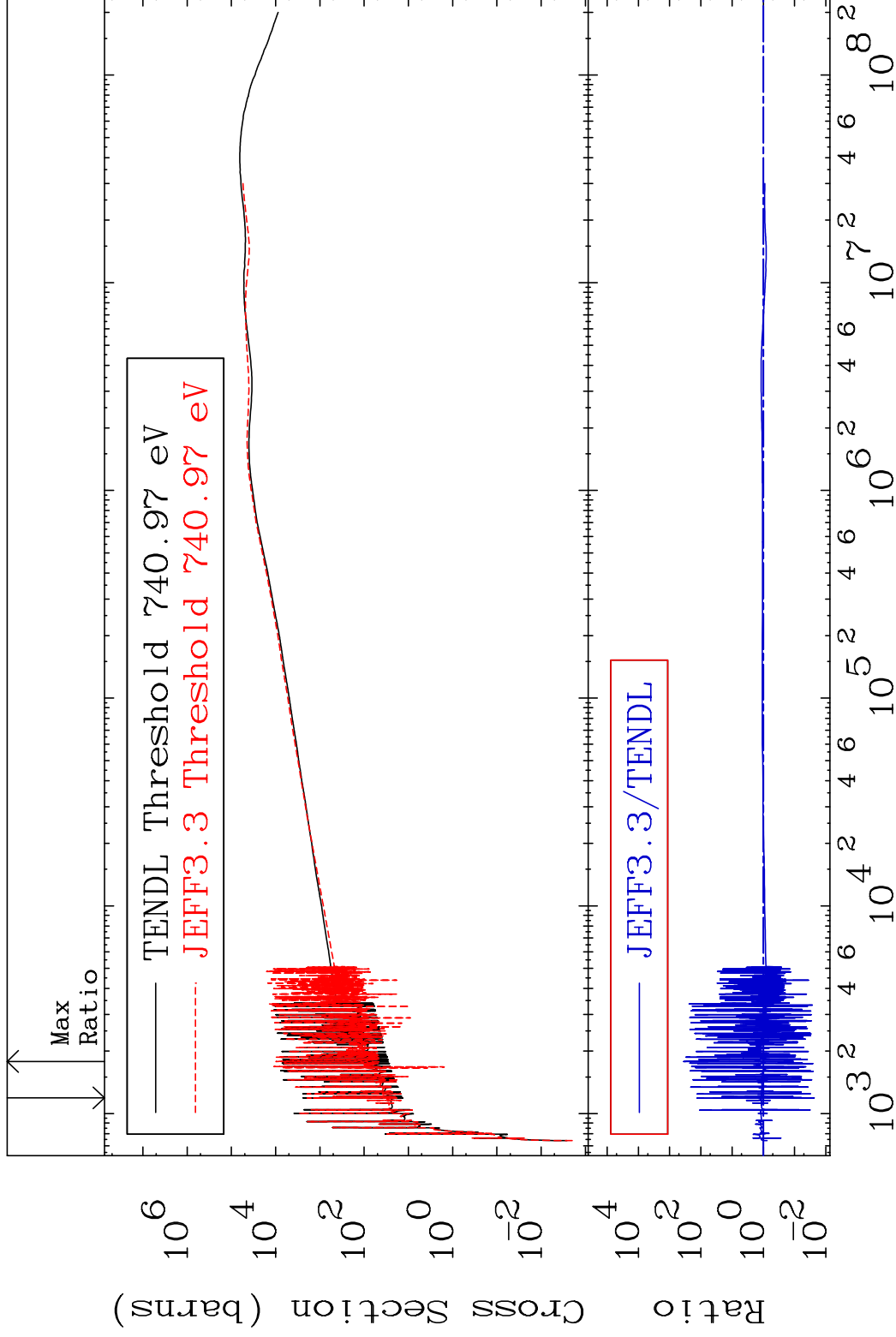


MAT 5331

Dpa elastic (mt2)

53-I -129

Cross Section -97.63 To 9999. %

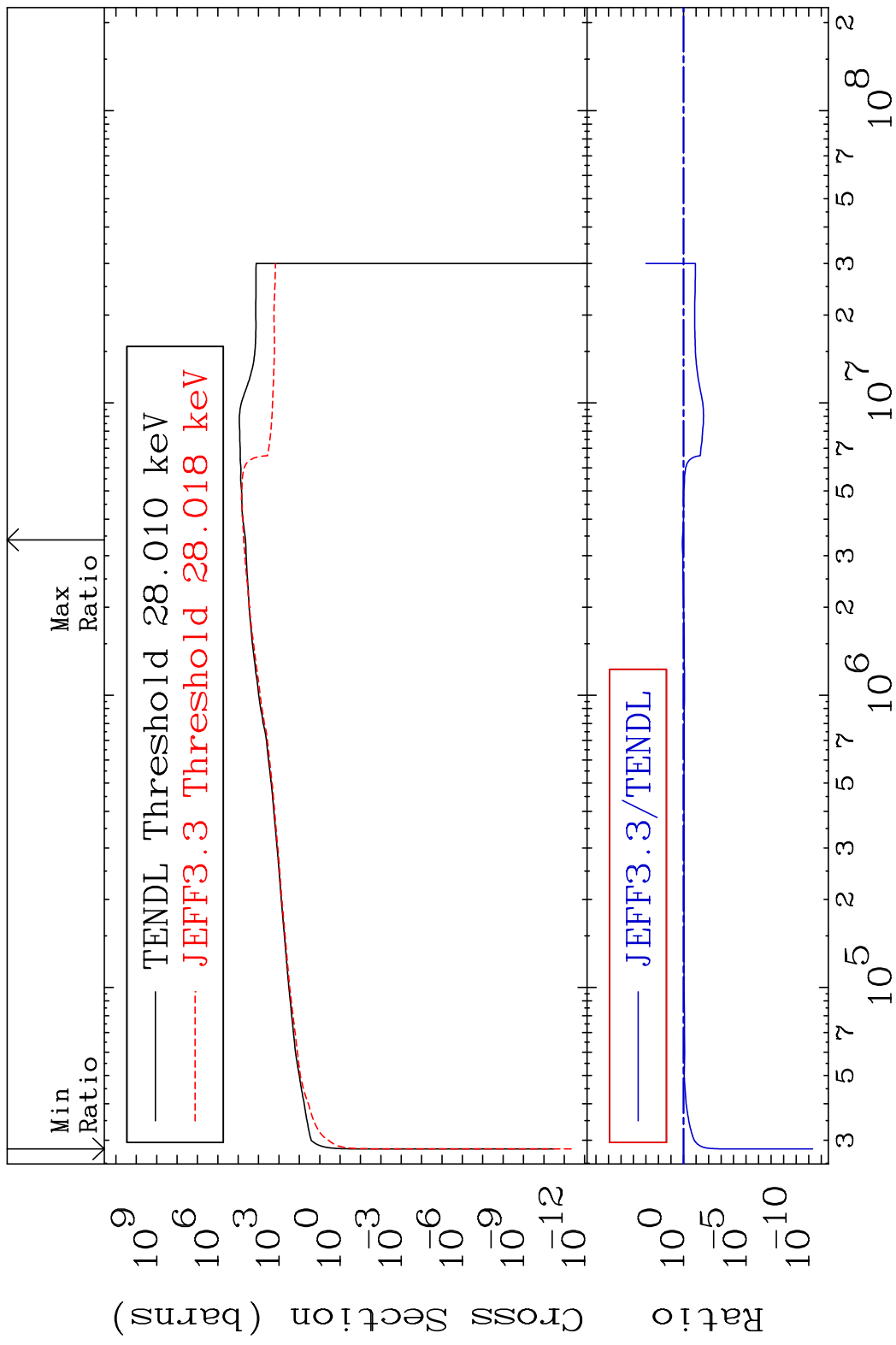


60

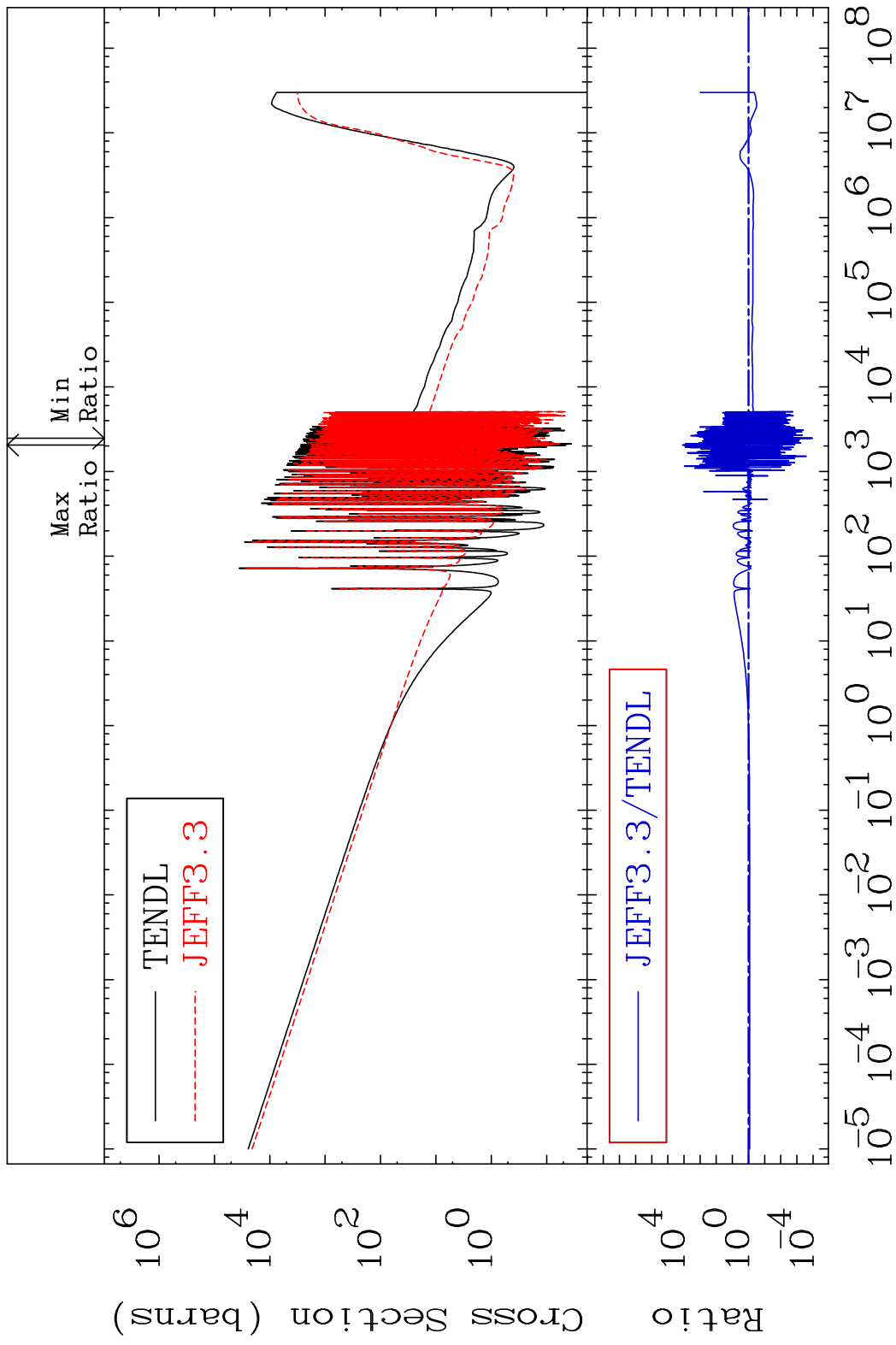
Incident Energy (eV)

53-I -129

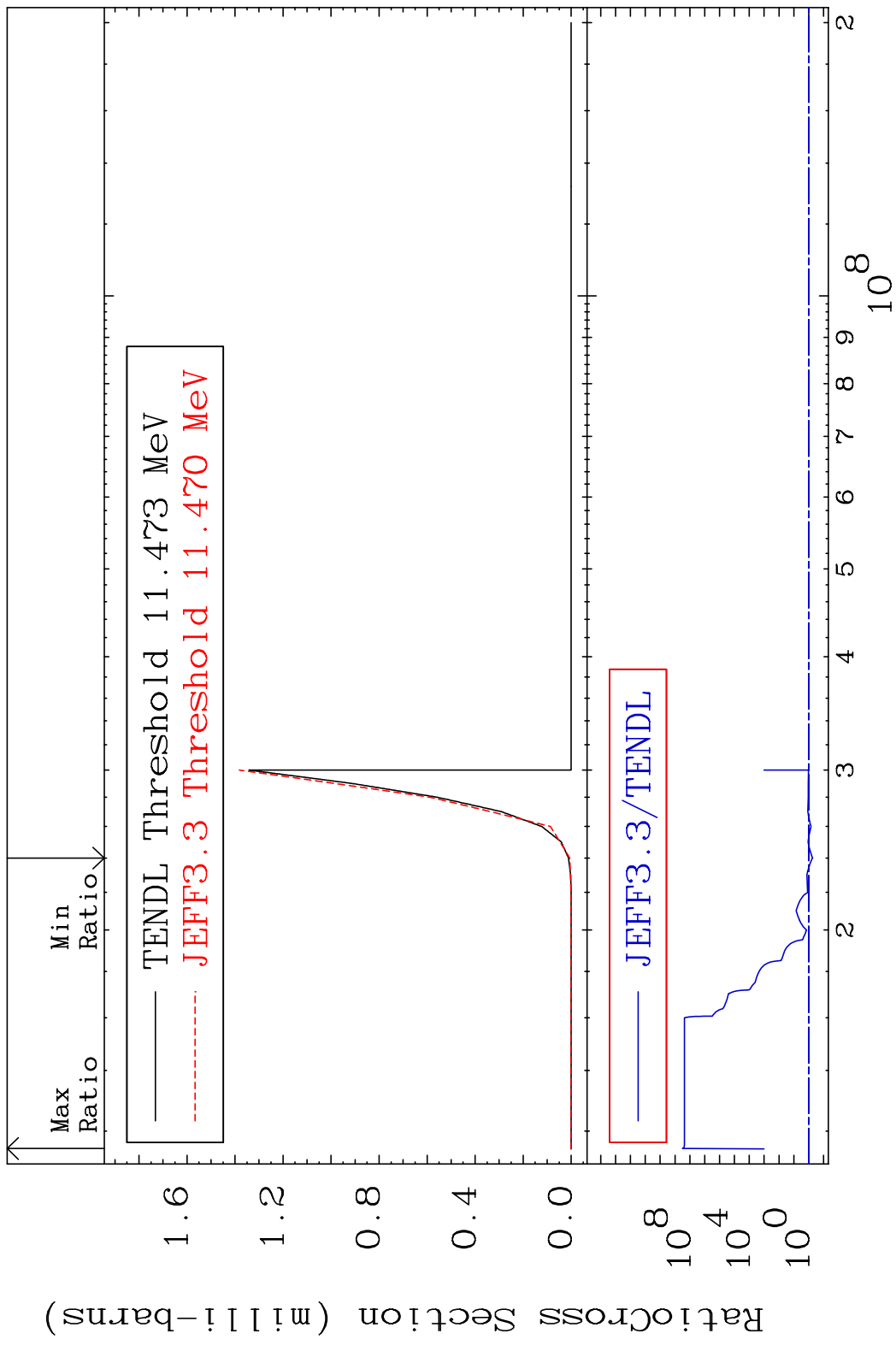
MAT 5331 Dpa inelastic (mt51-91) 53-I -129  
 Cross Section -100.0 To 24.05 %

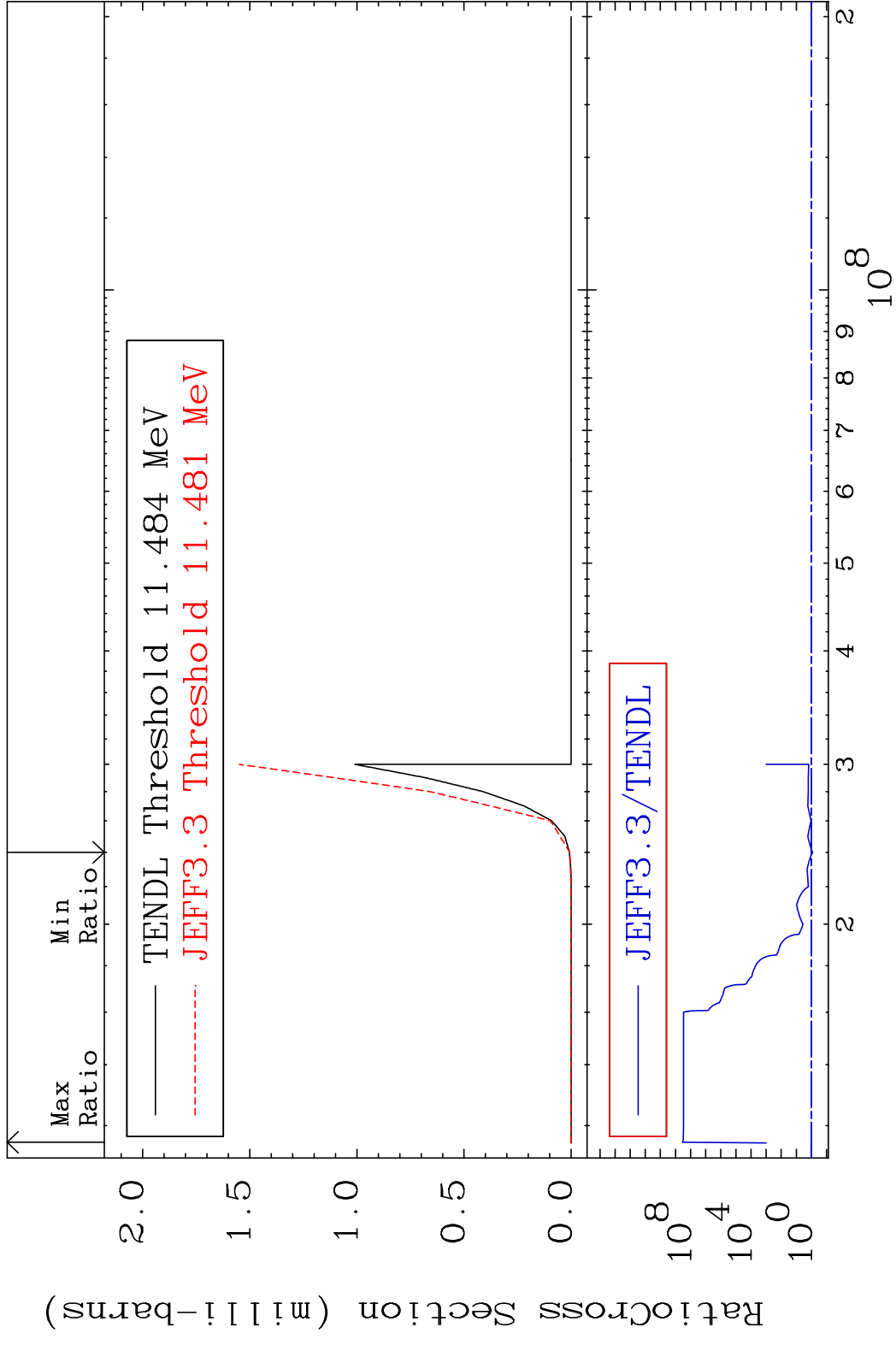


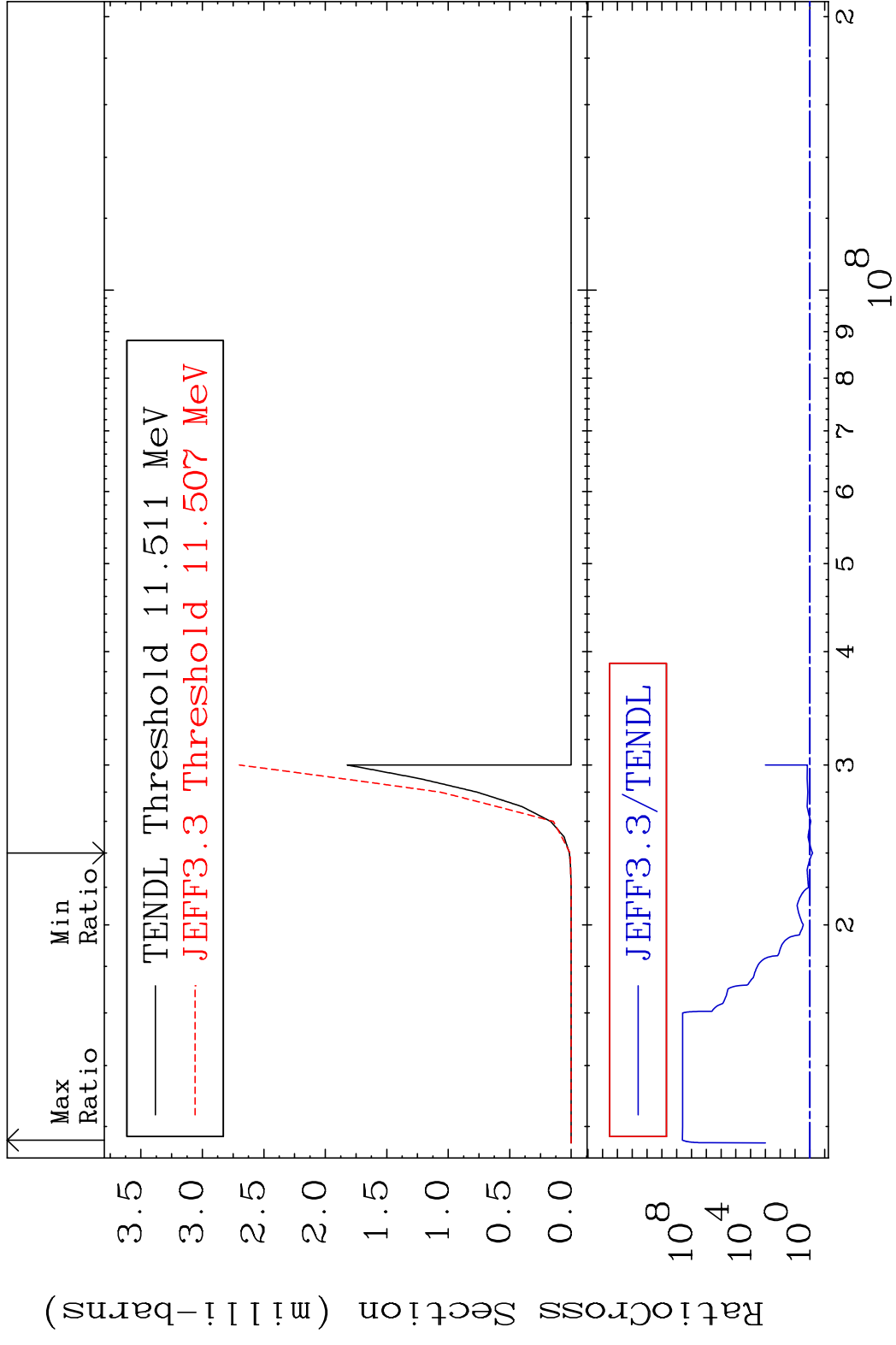
MAT 5331 Dpa disappearance (mt102 -120) 53-I -129  
 Cross Section -99.99 To 9999. %



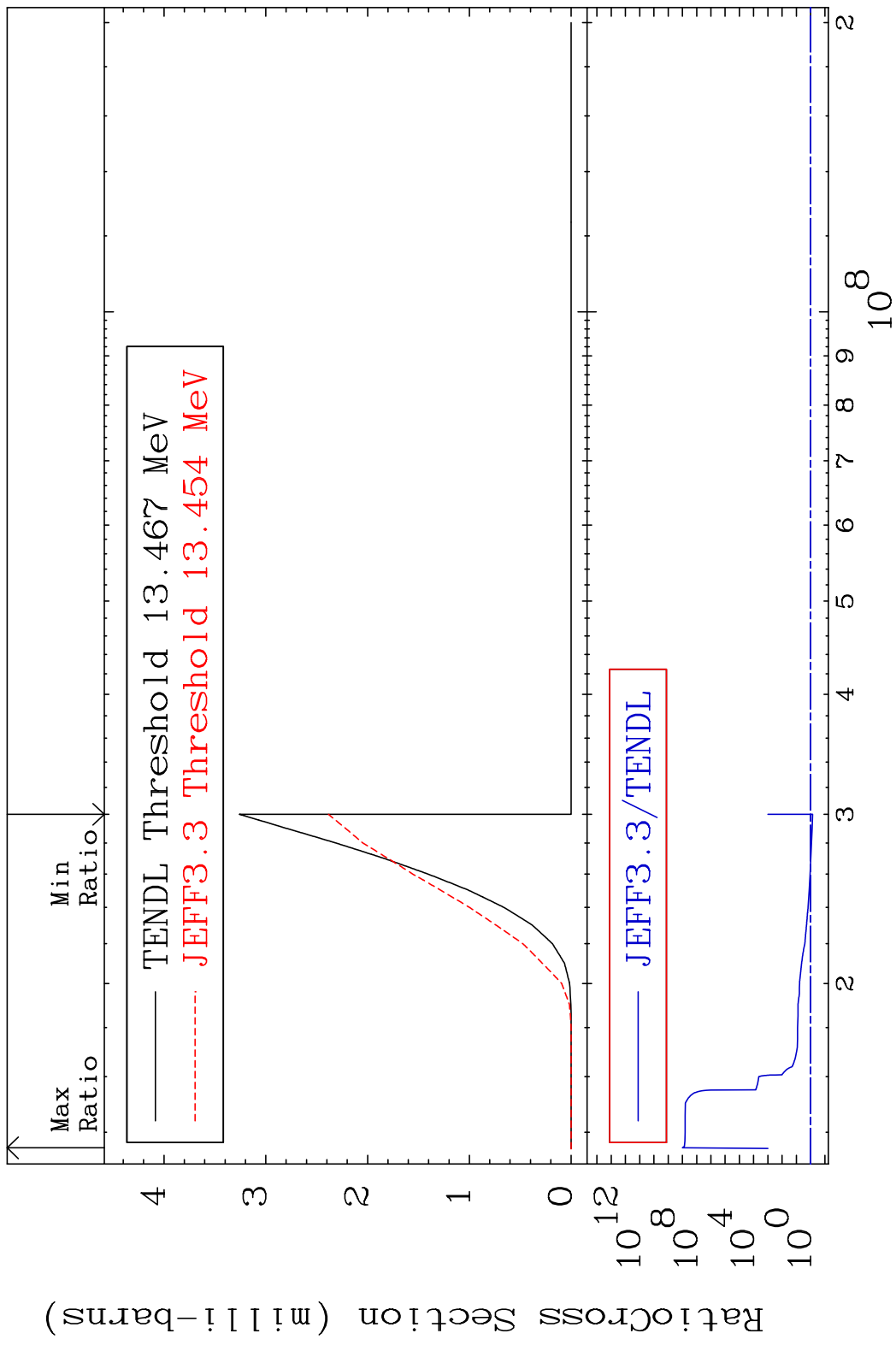
62 Incident Energy (eV) 53-I -129

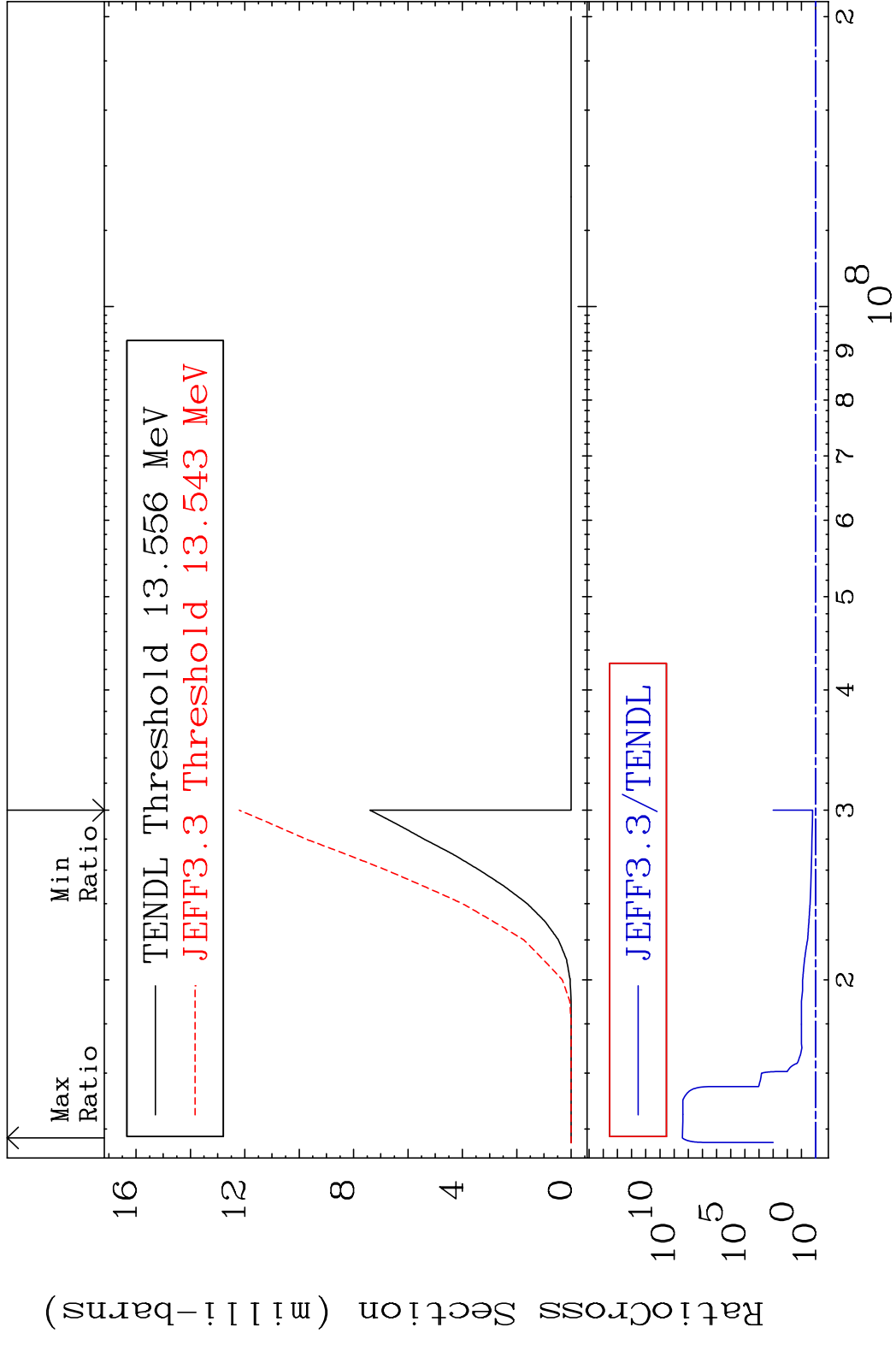


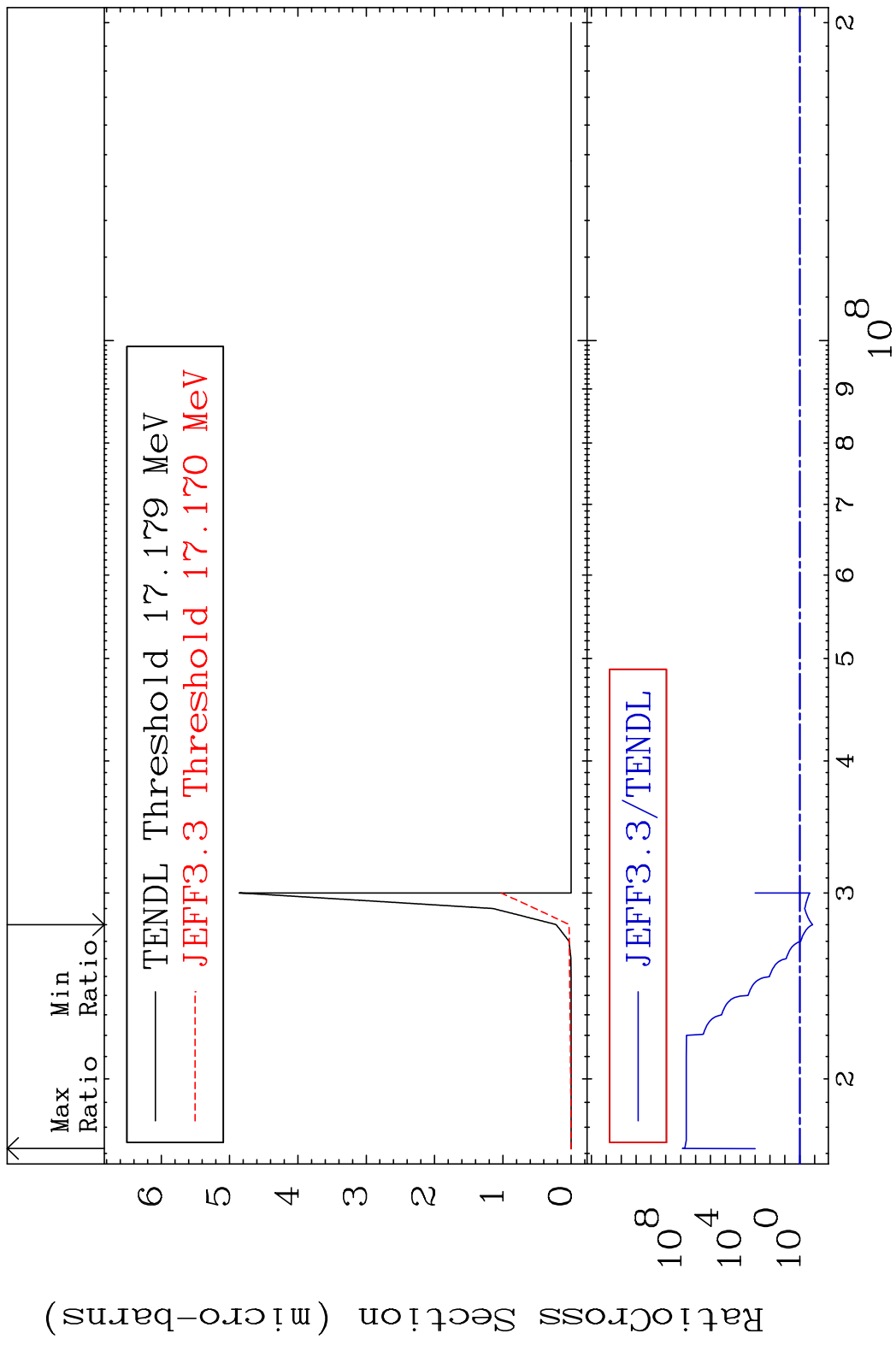


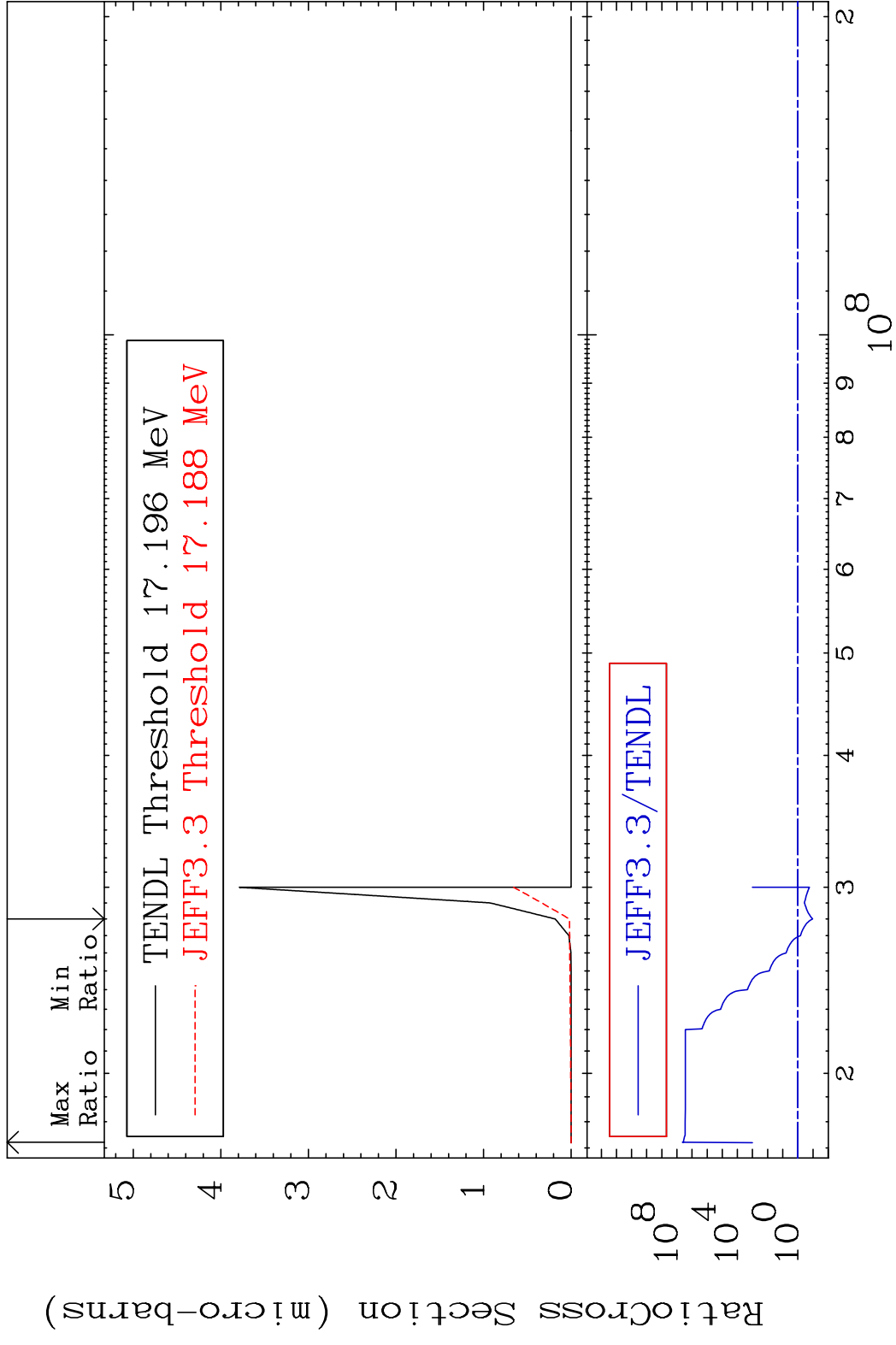


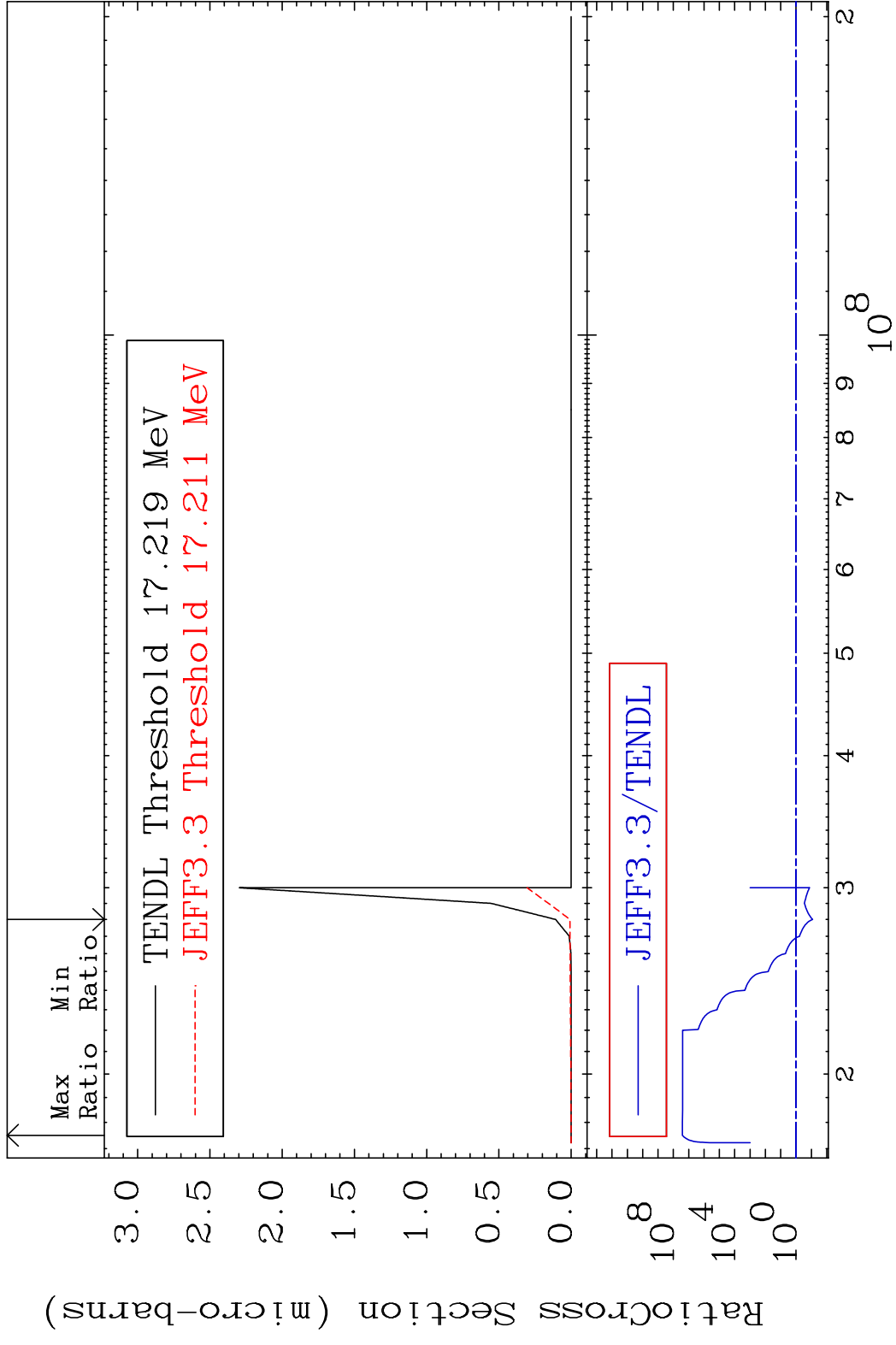
MAT 5331 (n, n') d:52-Te-127g 53-I -129  
 Radionuclide Production Cross Section 36.85 dth 9999. %



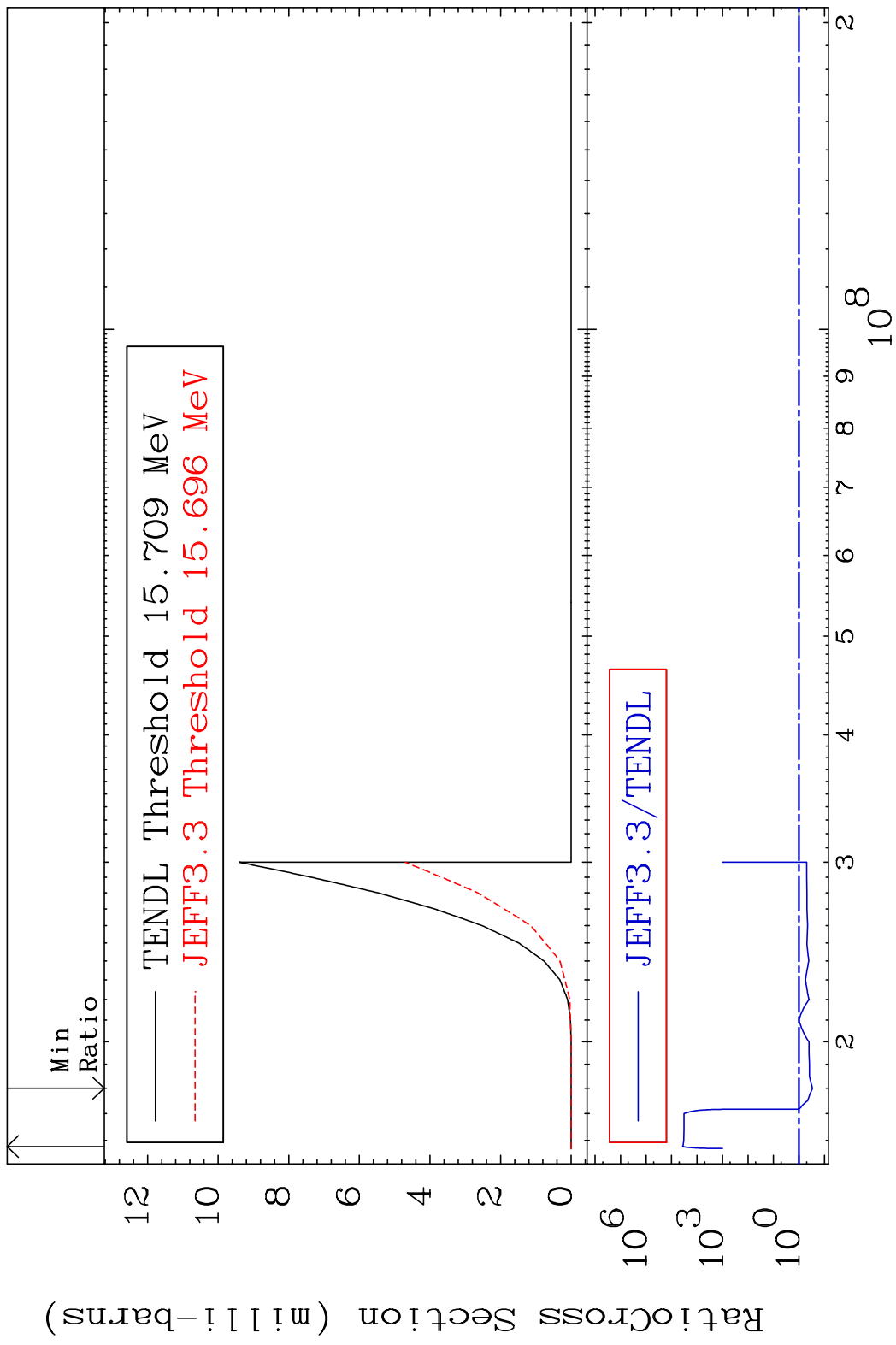


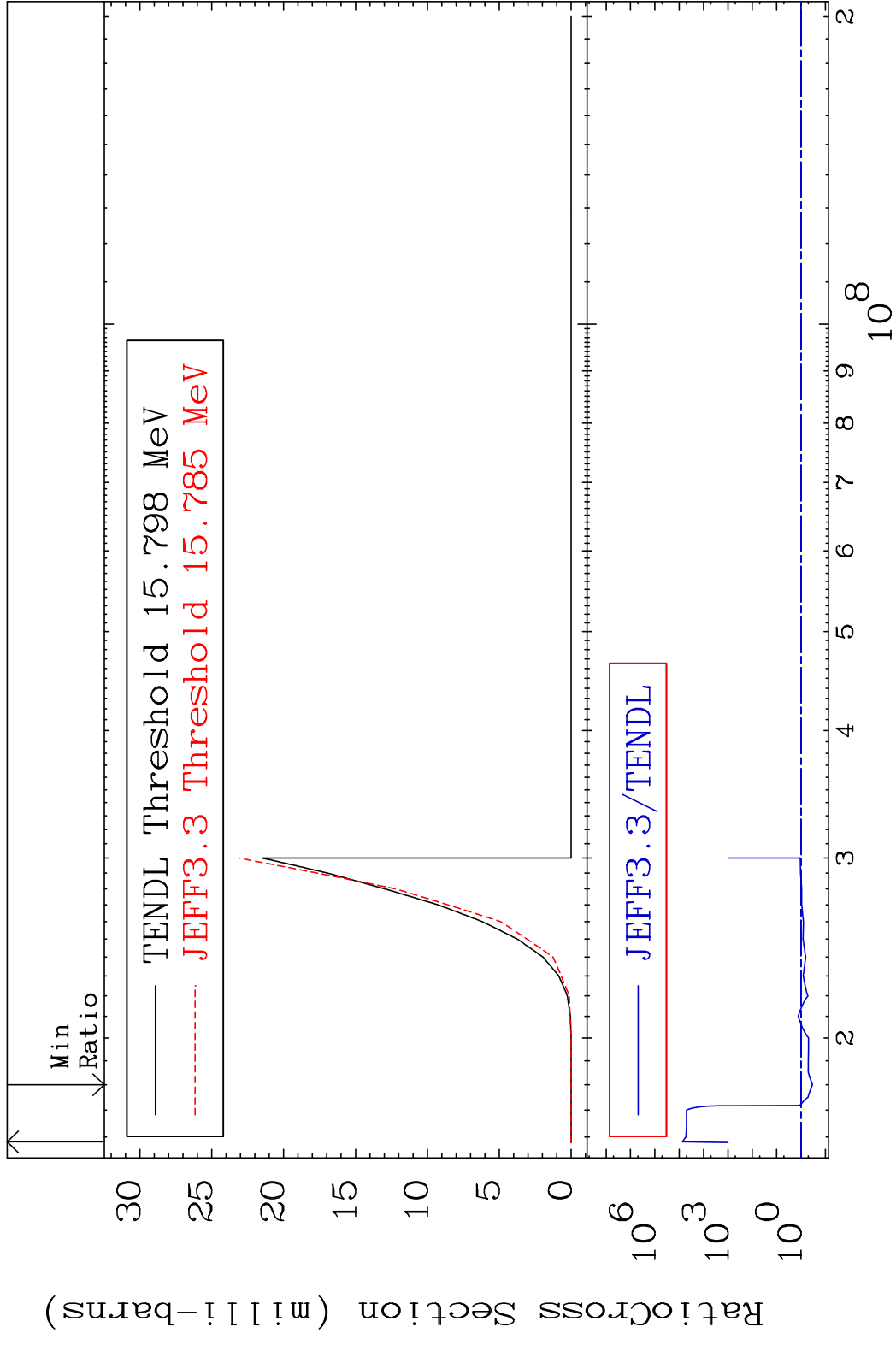




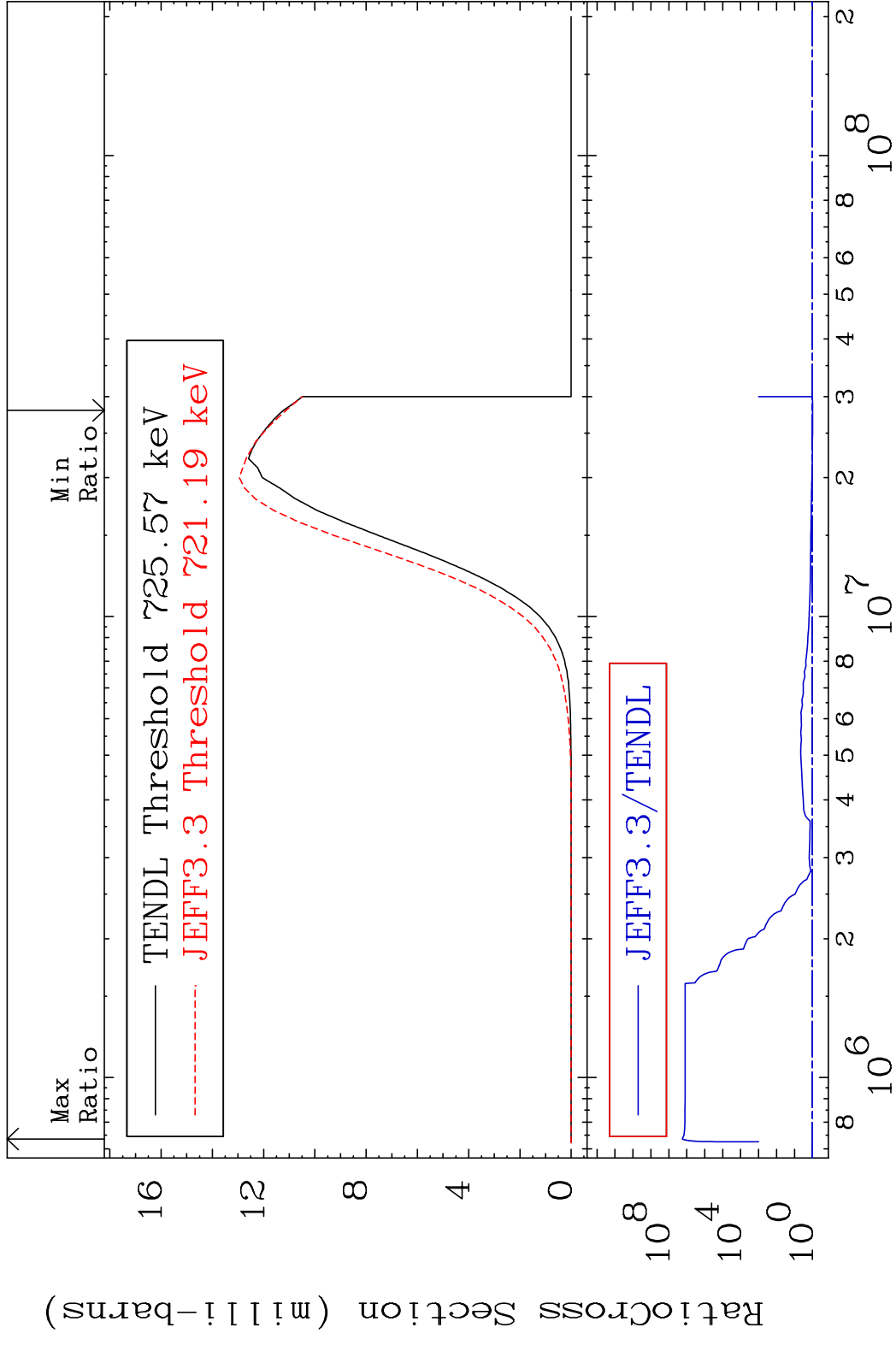


MAT 5331 (n,2n) p:52-Te-127g 53-I -129  
 Radionuclide Production Cross Section to 9999. %



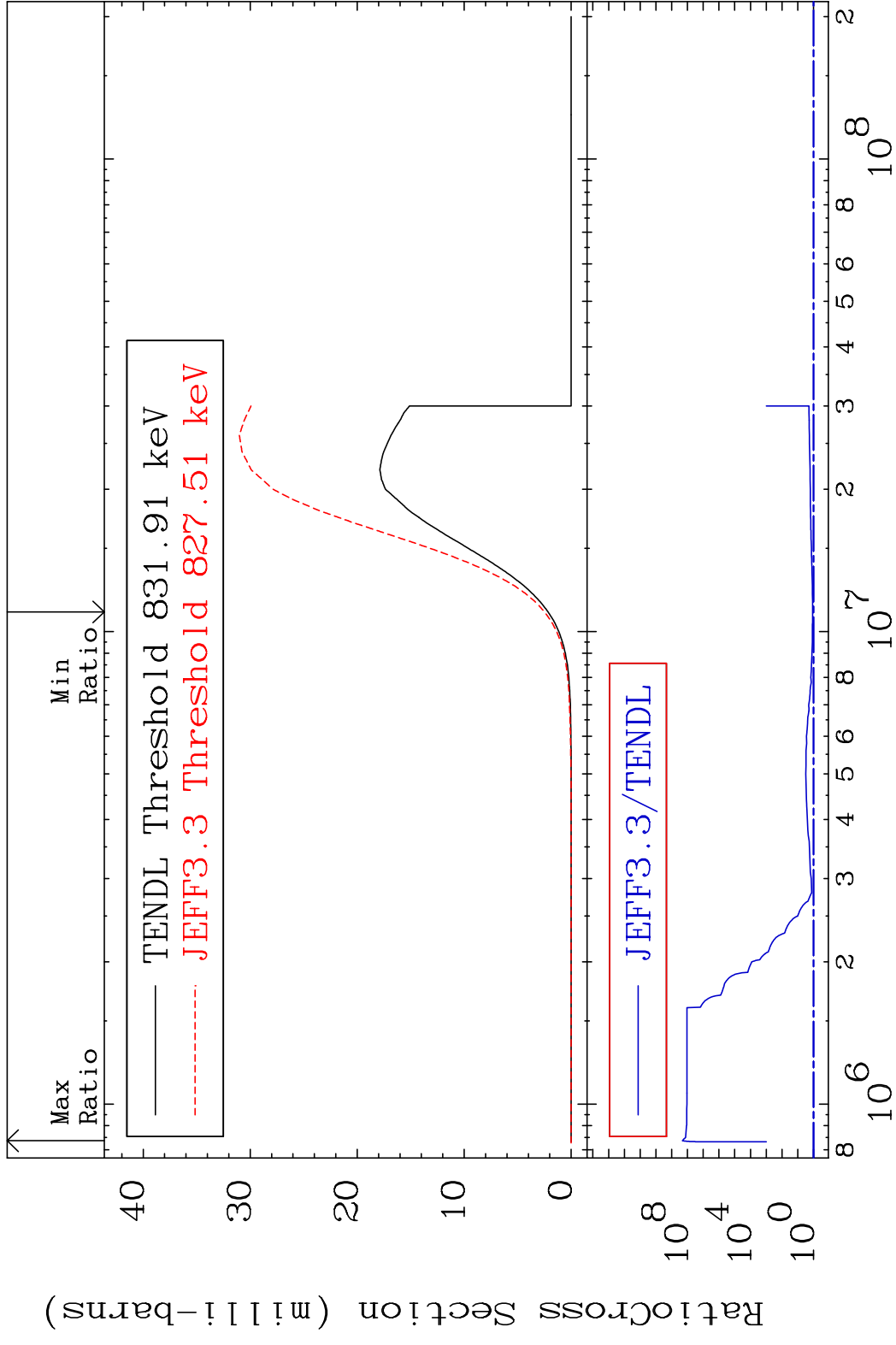


MAT 5331 (n,p):52-Te-129 53-I -129  
 Radionuclide Production Cross-Section to 9999. %



73 Incident Energy (eV) 53-I -129

MAT 5331 (n, p):52-Te-129m1 53-I -129  
 Radionuclide Production Cross Section 9999. %

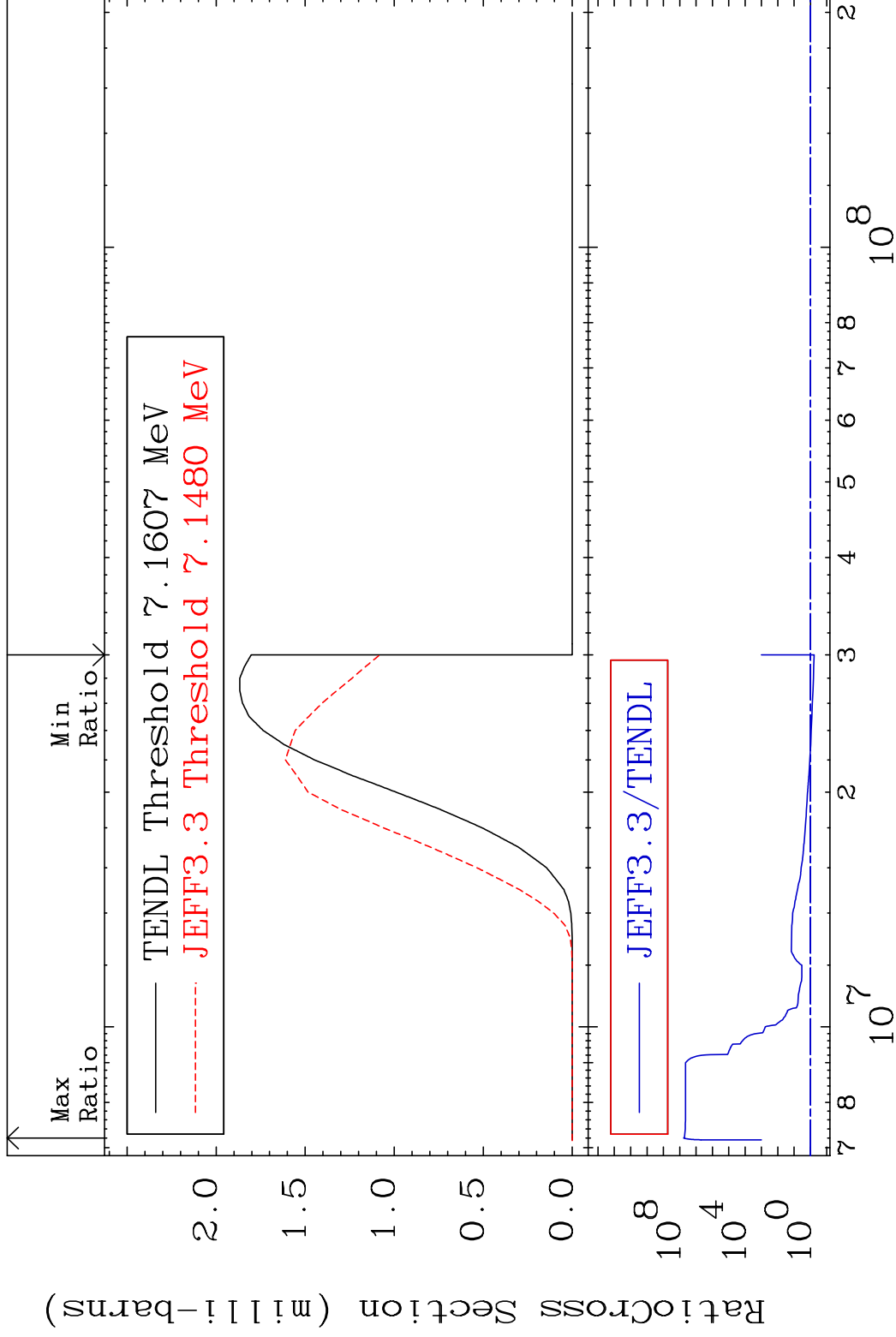


MAT 5331

(n, t):52-Te-127g

53-I -129

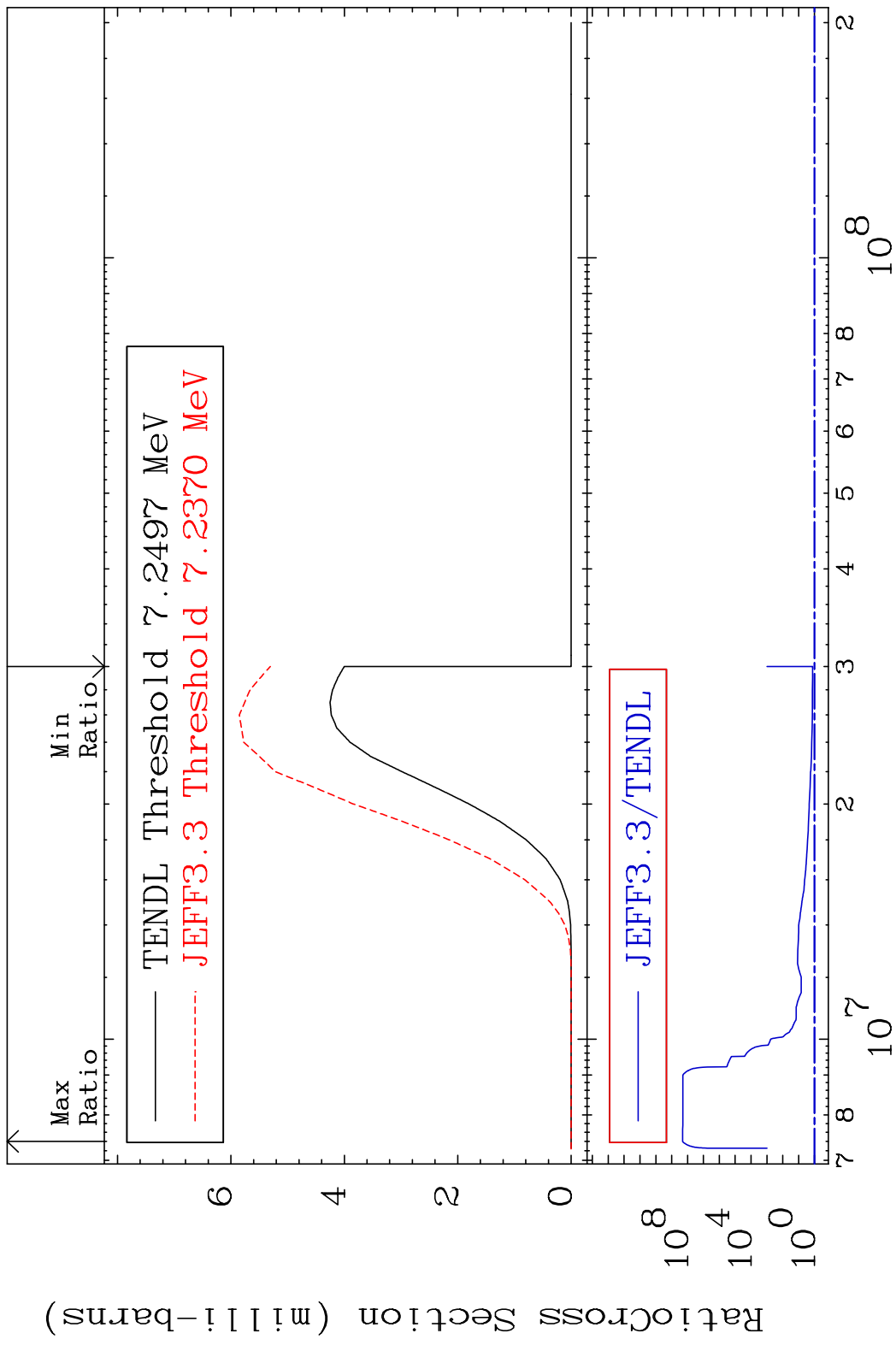
Radionuclide Production Cross Section to 9999. %



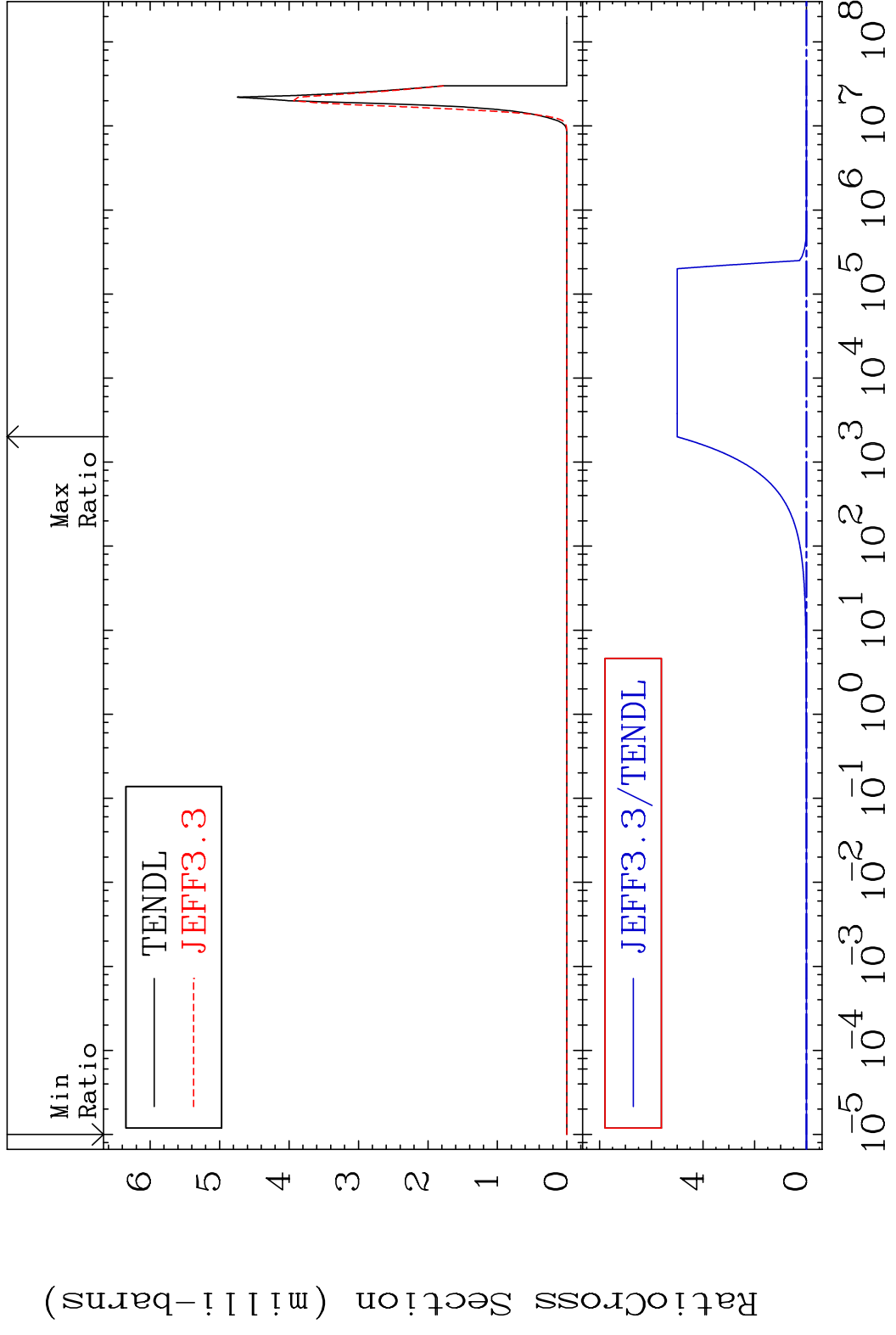
75

Incident Energy (eV)

53-I -129

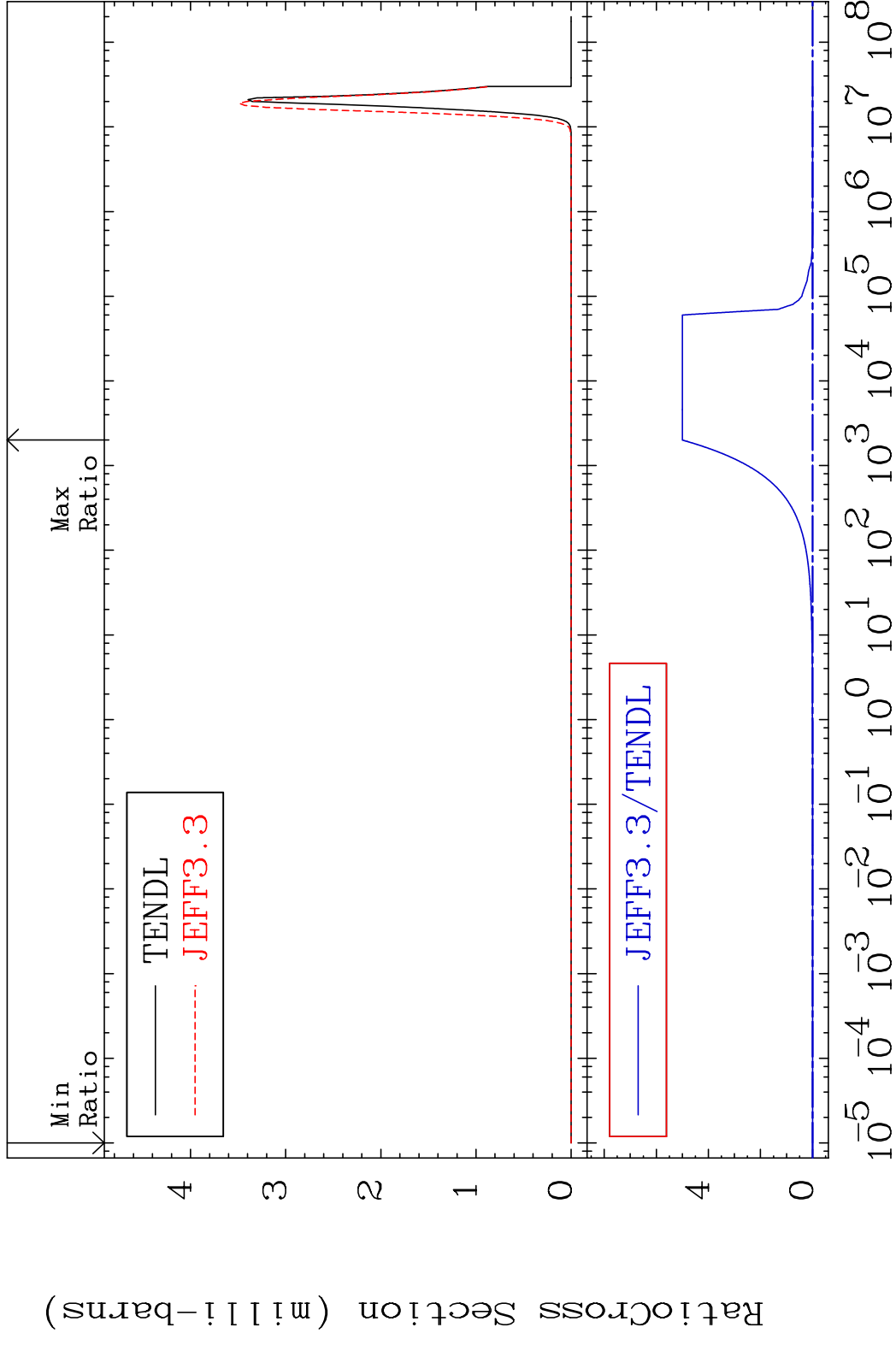


MAT 5331 (n,  $\alpha$ ):51-Sb-126g 53-I -129  
 Radionuclide Production Cross Section (%)

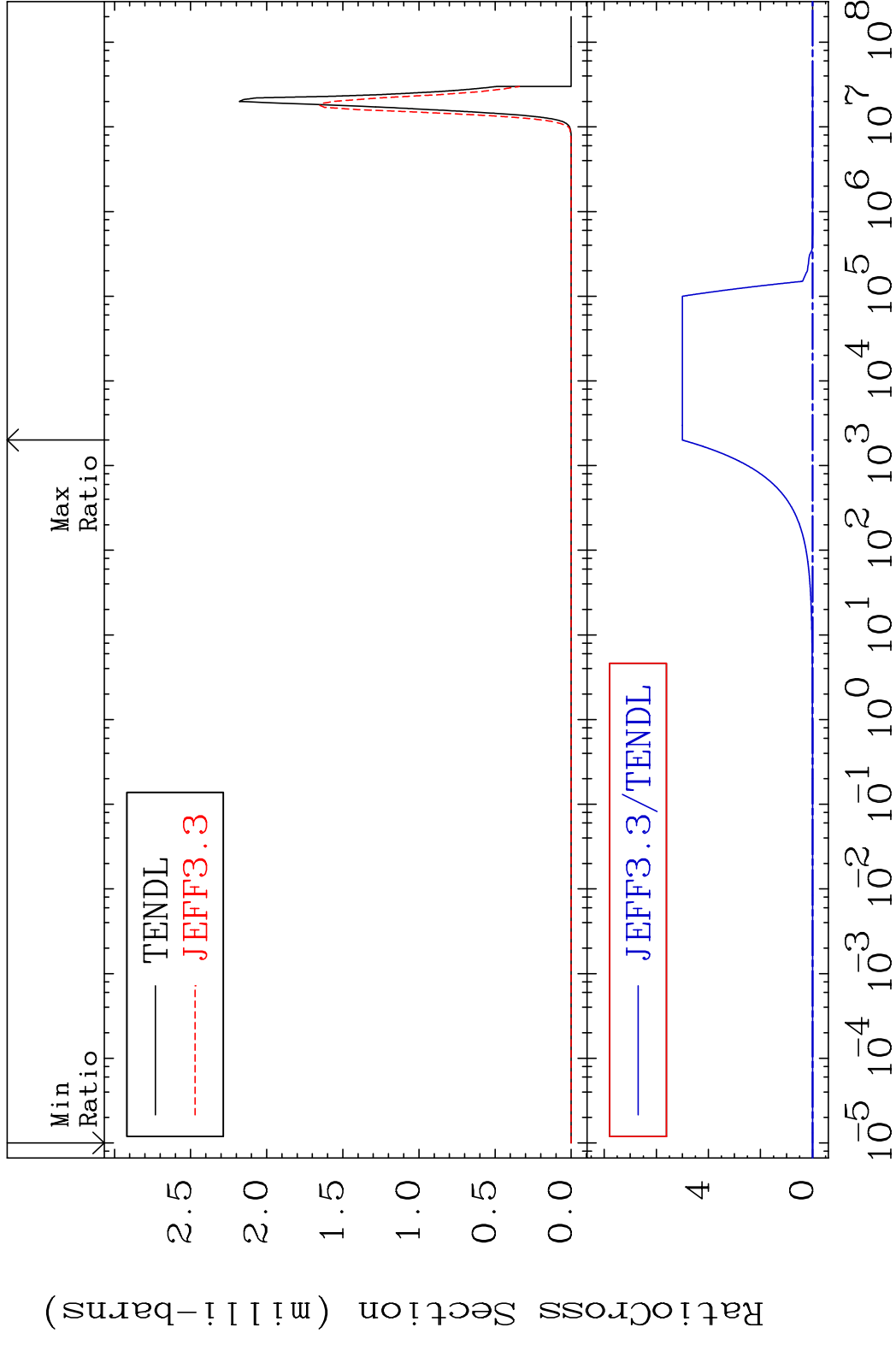


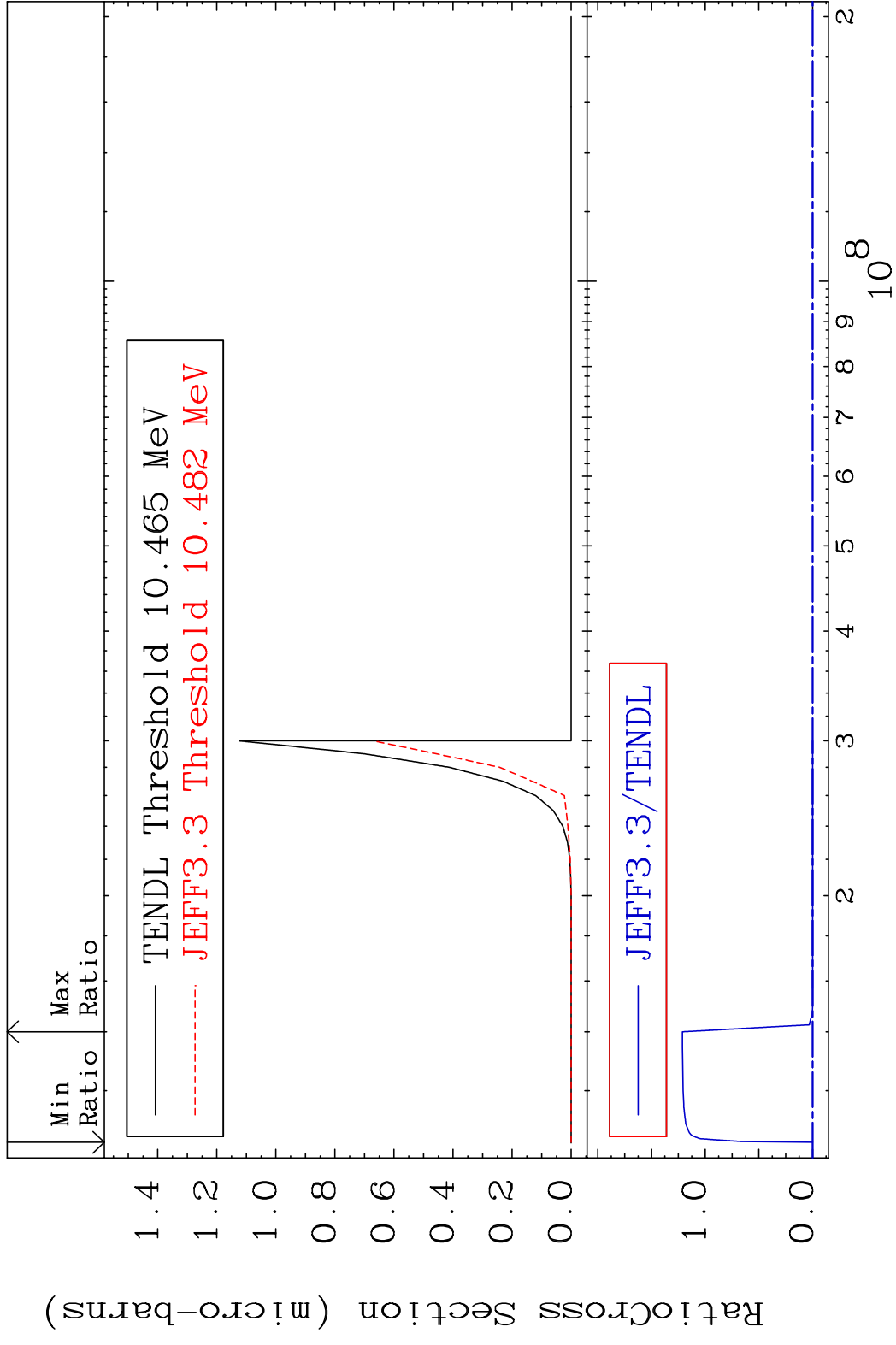
77 Incident Energy (eV) 53-I -129

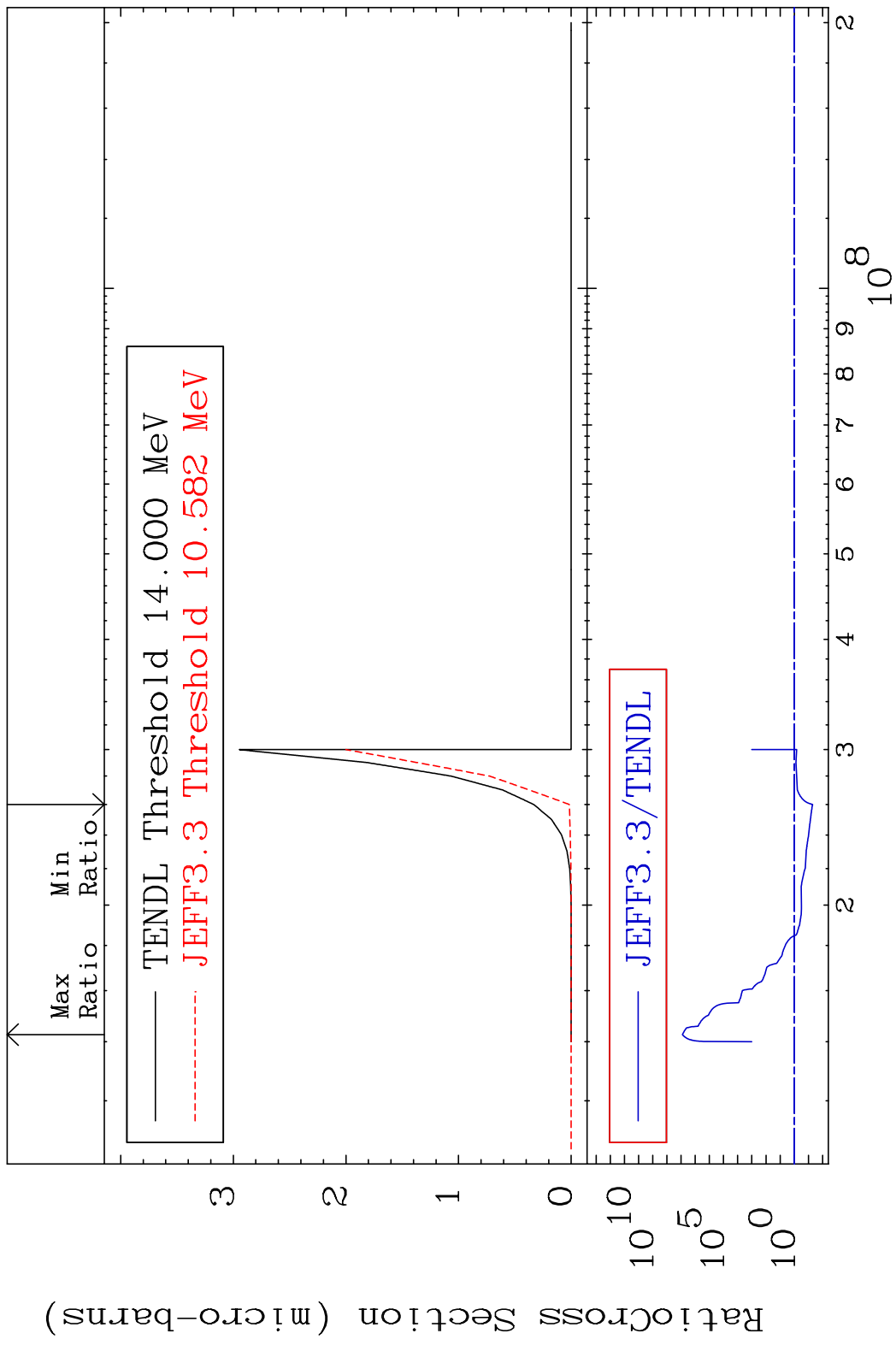
MAT 5331 (n,  $\alpha$ ):51-Sb-126m1 53-I -129  
 Radionuclide Production Cross Section (mb) to 9999. %



MAT 5331 (n,  $\alpha$ ):51-Sb-126m2 53-I -129  
 Radionuclide Production Cross Section Ratio 9999. %







MAT 5331 (n,p)  $\alpha$ :50-Sn-125g 53-I -129  
 Radionuclide Production Cross Section to 9999. %

