

Program Complot
(Version 2021-1)

by

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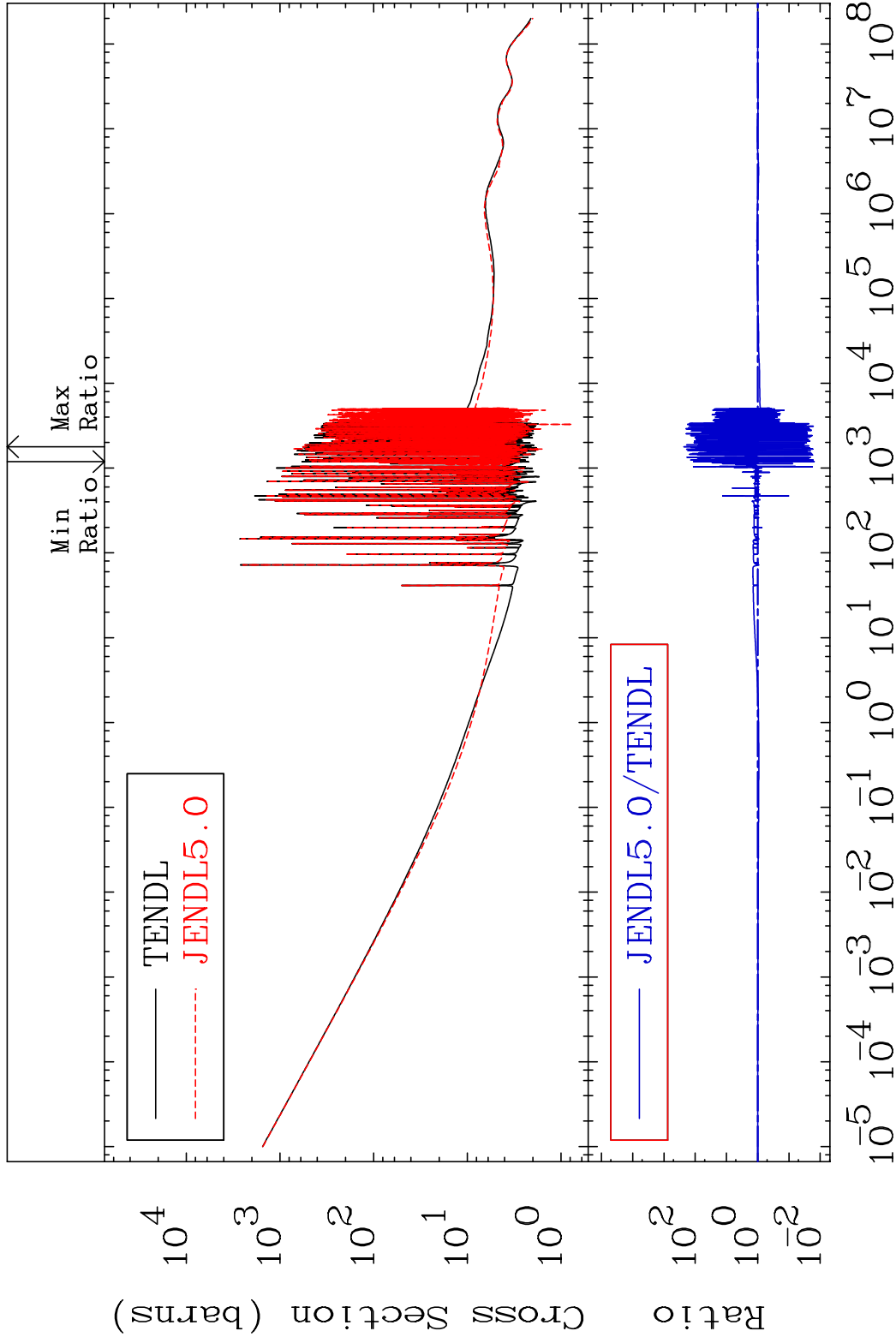
Press Mouse Button to Start

MAT 5331

Total

53-I -129

Cross Section -98.43 To 9999. %



1

Incident Energy (eV)

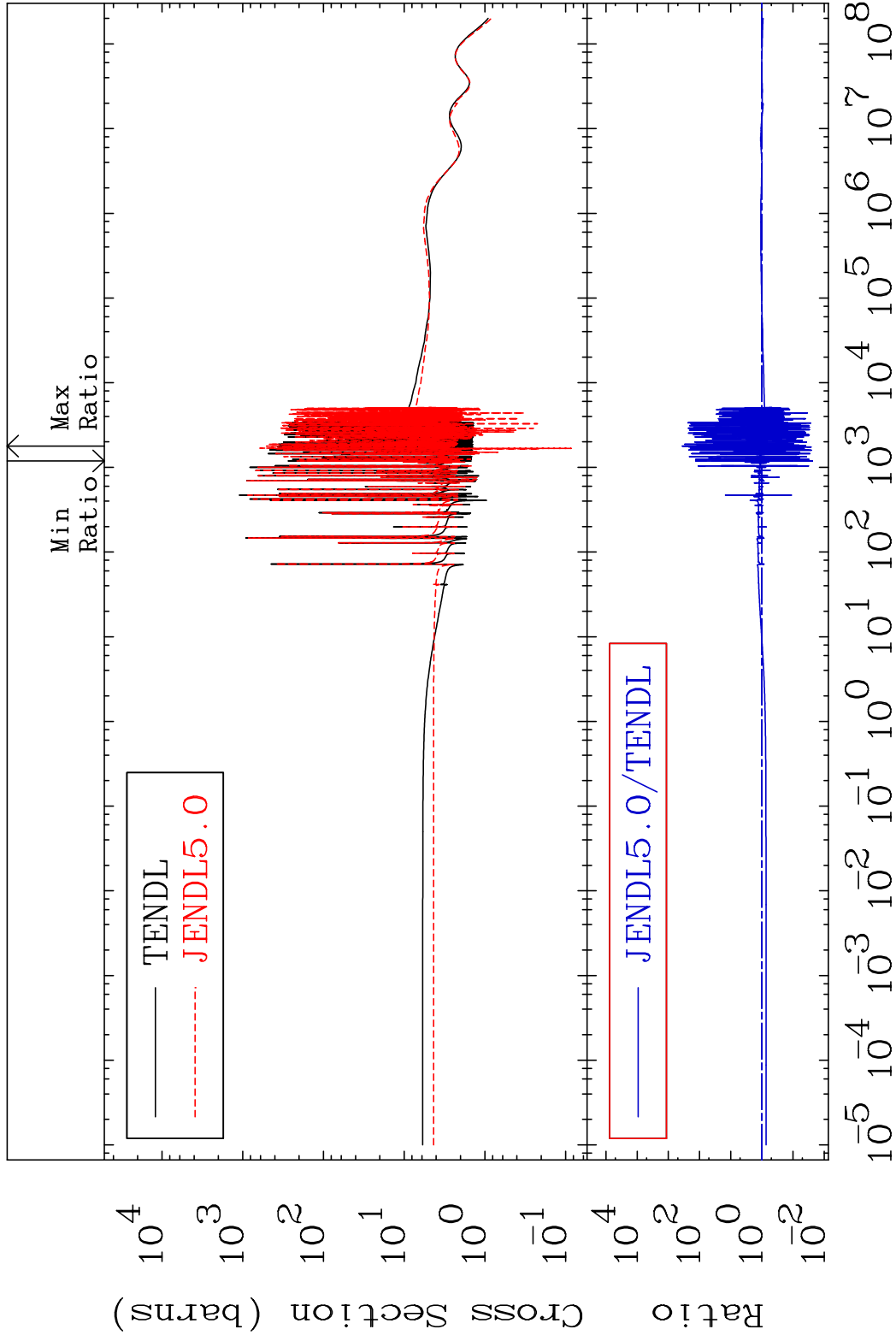
53-I -129

MAT 5331

Elastic

53-I -129

Cross Section -97.64 To 9999. %

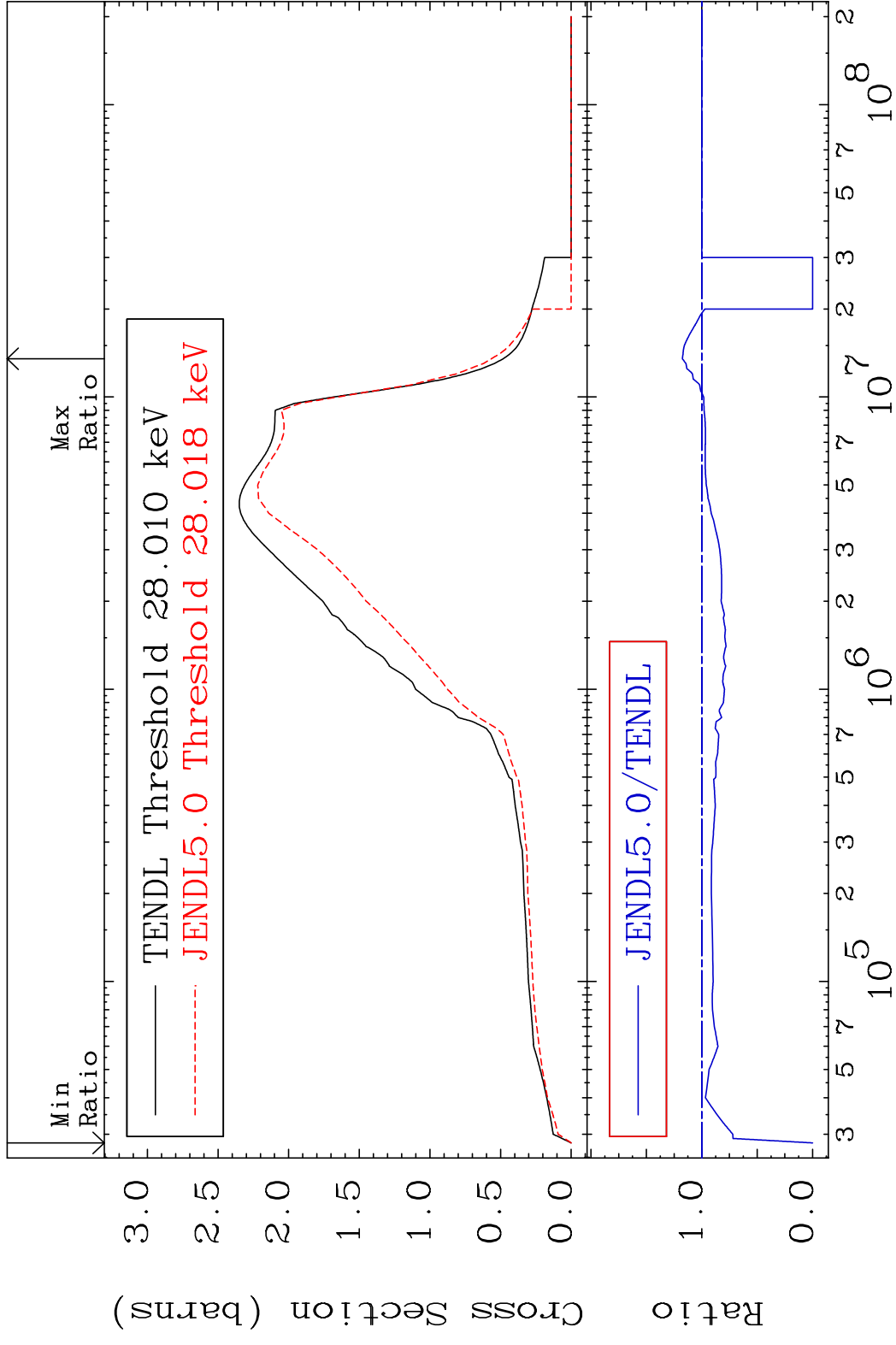


2

Incident Energy (eV)

53-I -129

MAT 5331 Inelastic 53-I -129
 Cross Section -100.0 To 17.54 %



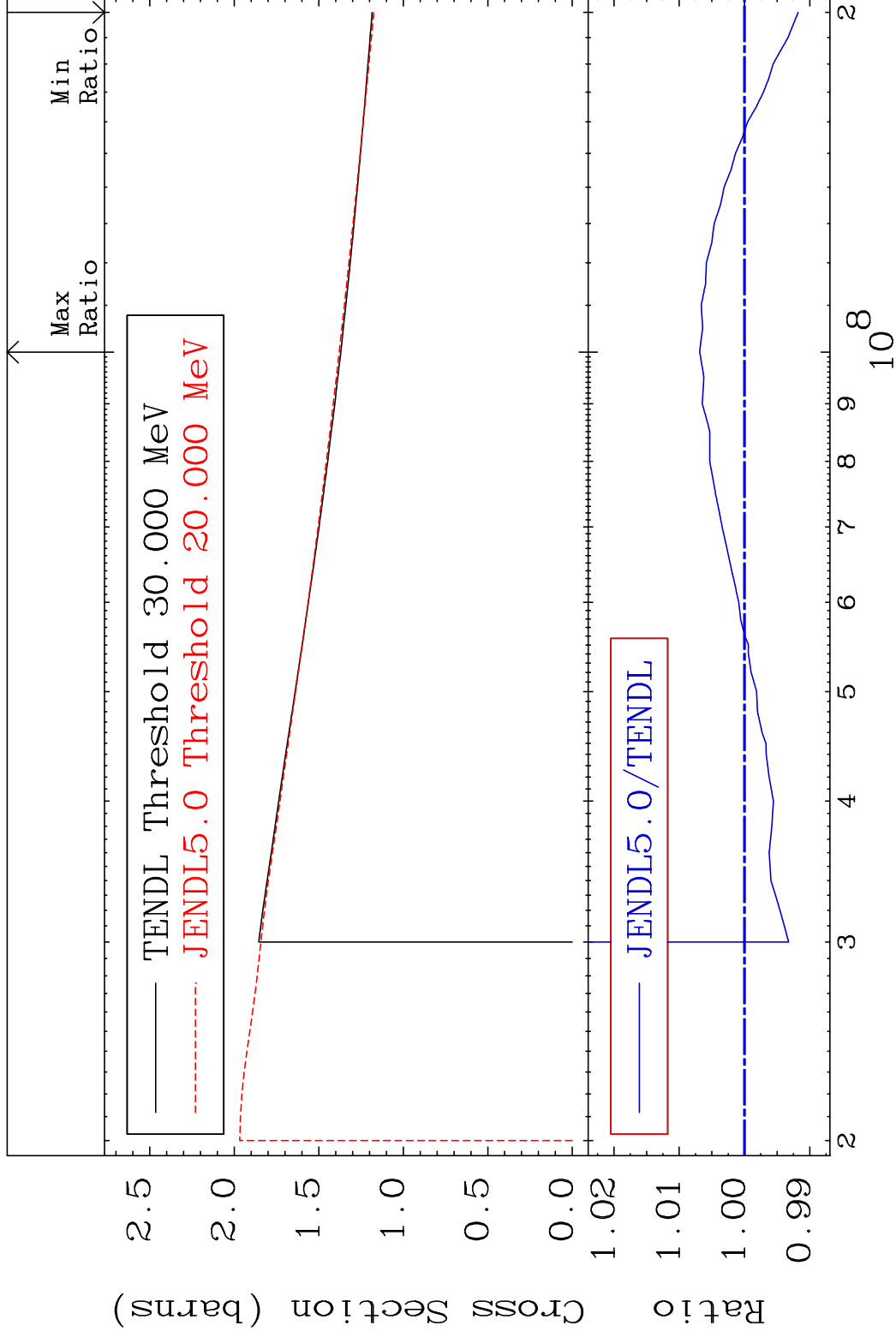
3 3 Incident Energy (eV) 53-I -129

MAT 5331

(n, remainder)

53-I -129

Cross Section -0.822 To 0.687 %



4

Incident Energy (eV)

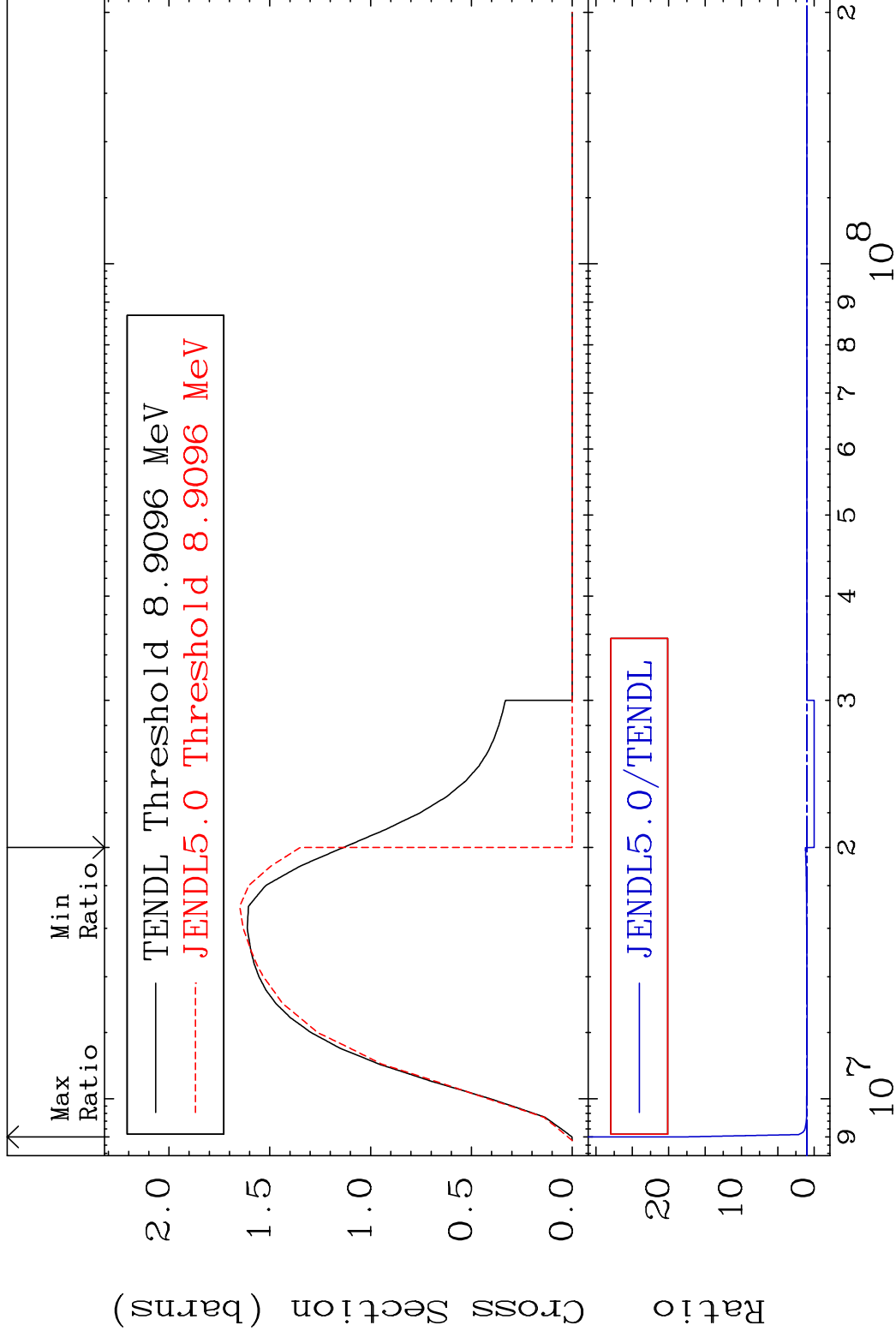
53-I -129

MAT 5331

(n,2n)

53-I -129

Cross Section -100.0 To 1694. %



5

Incident Energy (eV)

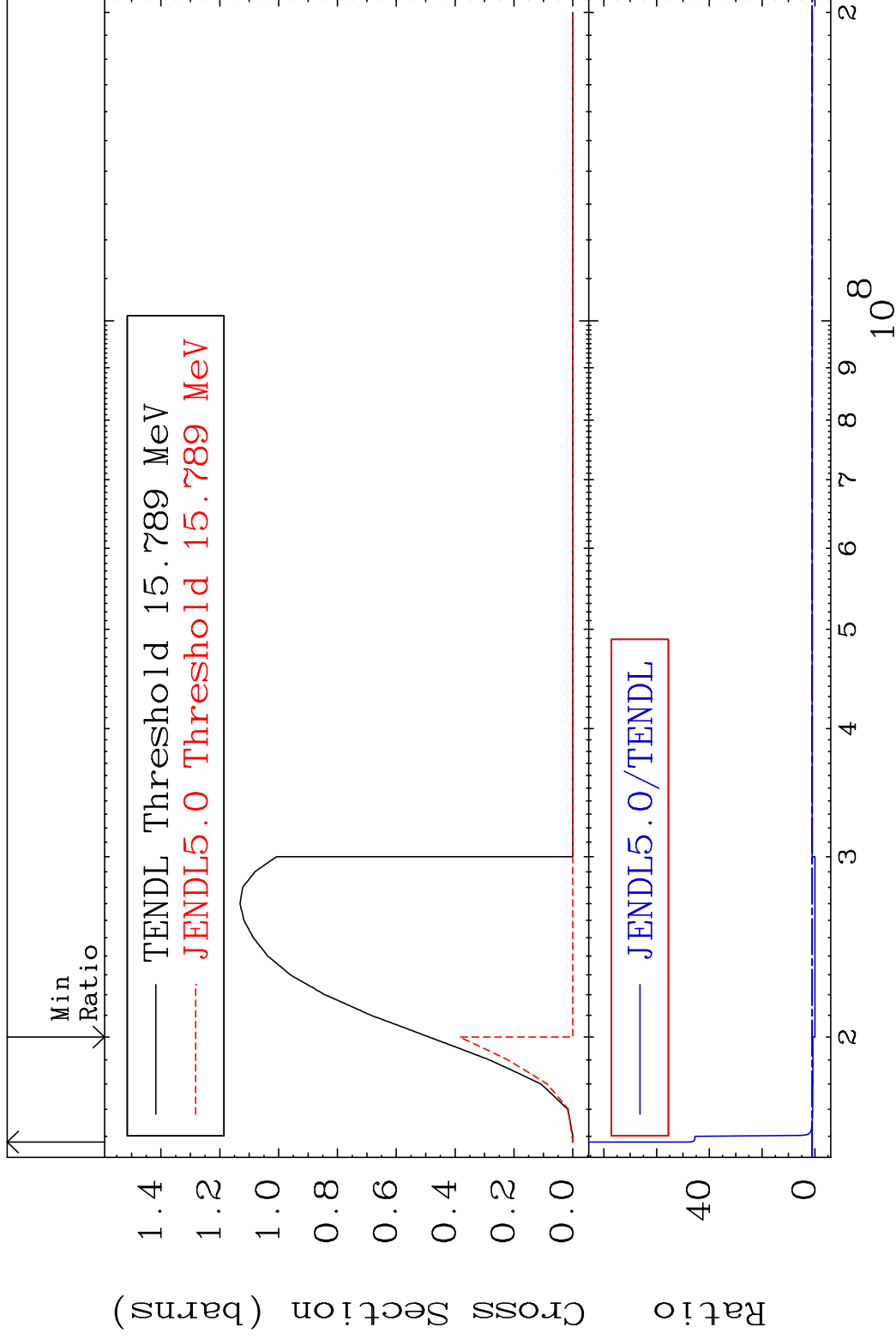
53-I -129

MAT 5331

(n,3n)

53-I -129

Cross Section -100.0 To 4849. %



6

Incident Energy (eV)

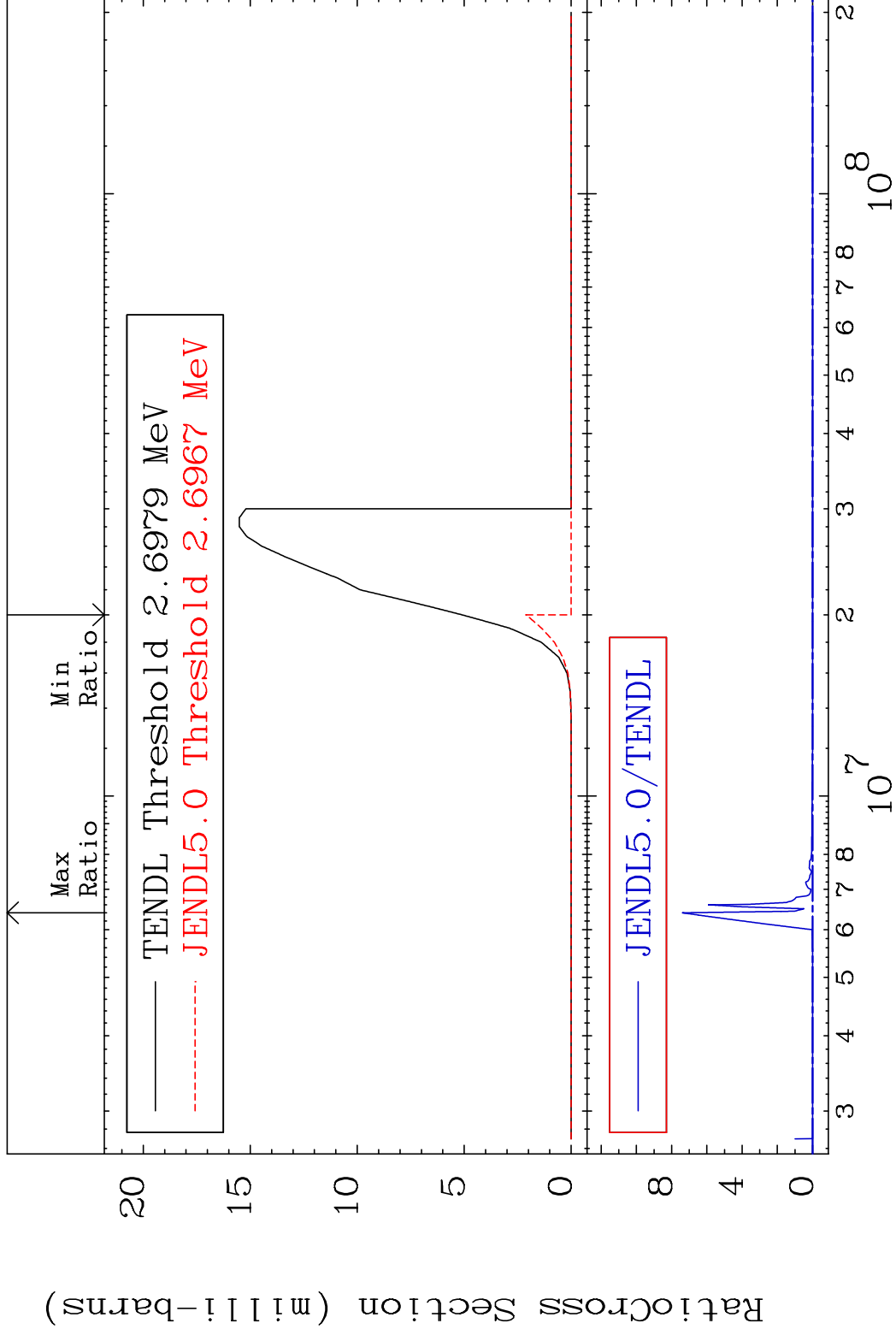
53-I -129

MAT 5331

(n, n') α

53-I -129

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

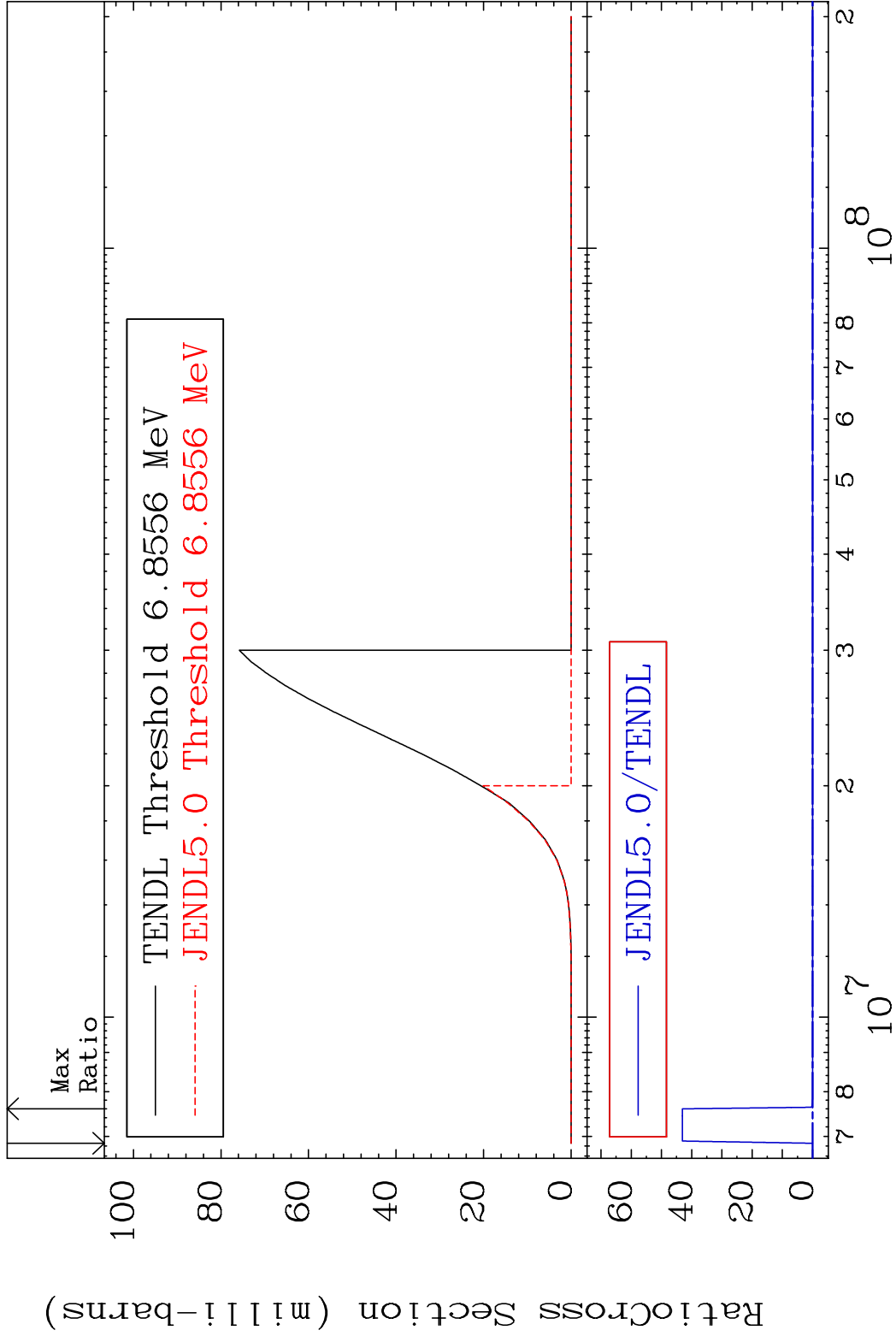
53-I -129

MAT 5331

(n, n') p

53-I -129

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

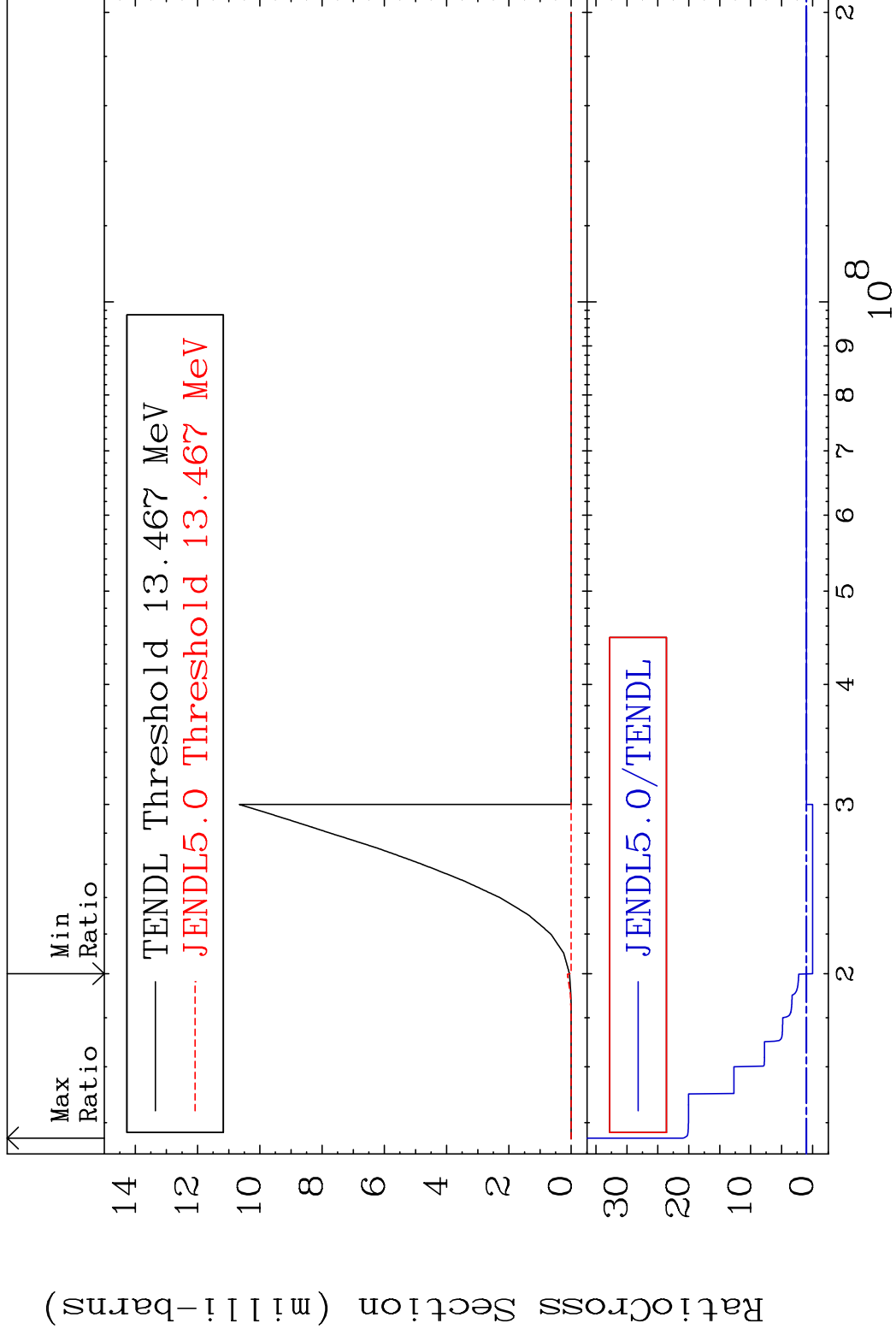
53-I -129

MAT 5331

(n, n') d

53-I -129

Cross Section -100.0 To 2004. %



9

Incident Energy (eV)

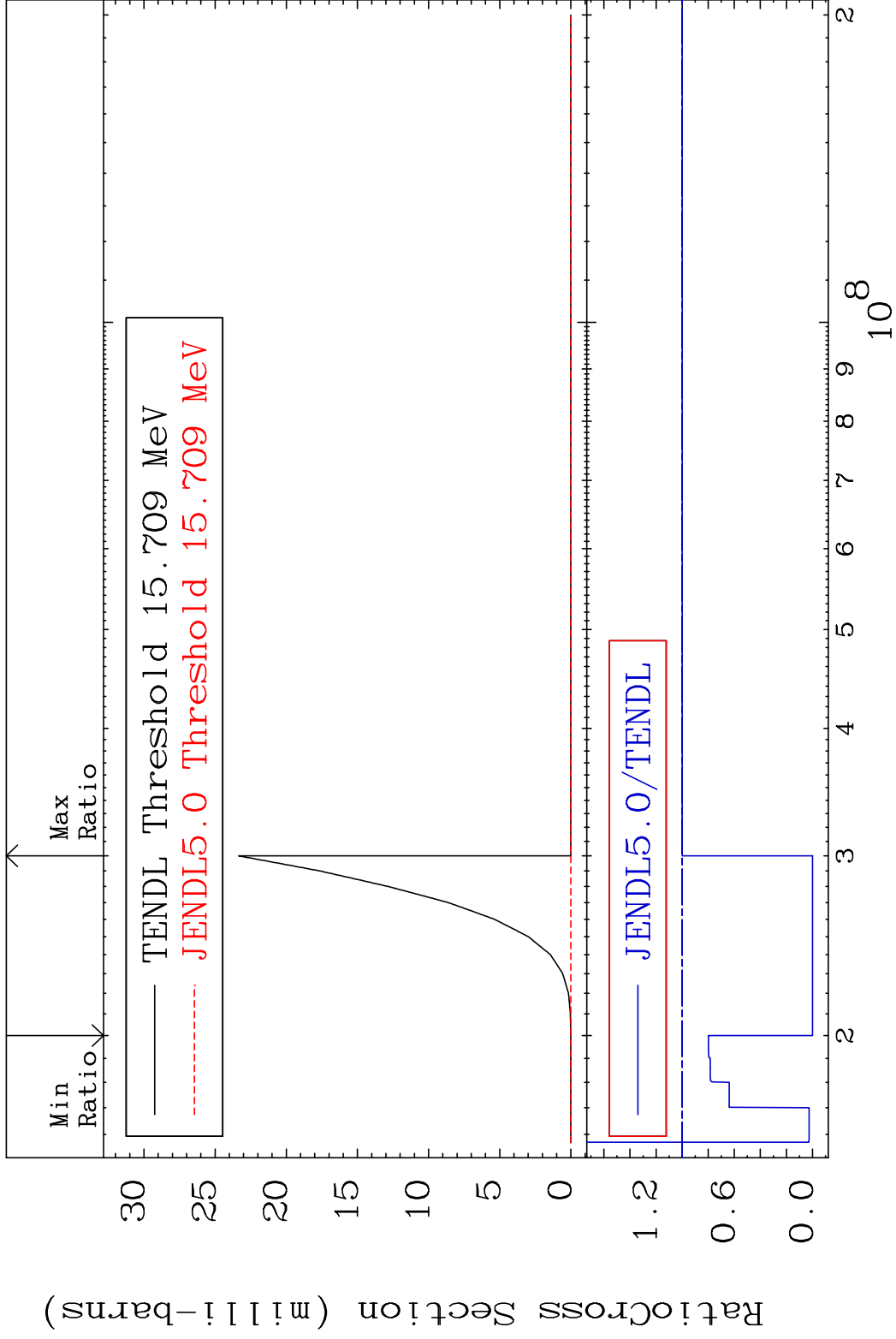
53-I -129

MAT 5331

(n,2n) p

53-I -129

Cross Section -100.0 To 0.000 %

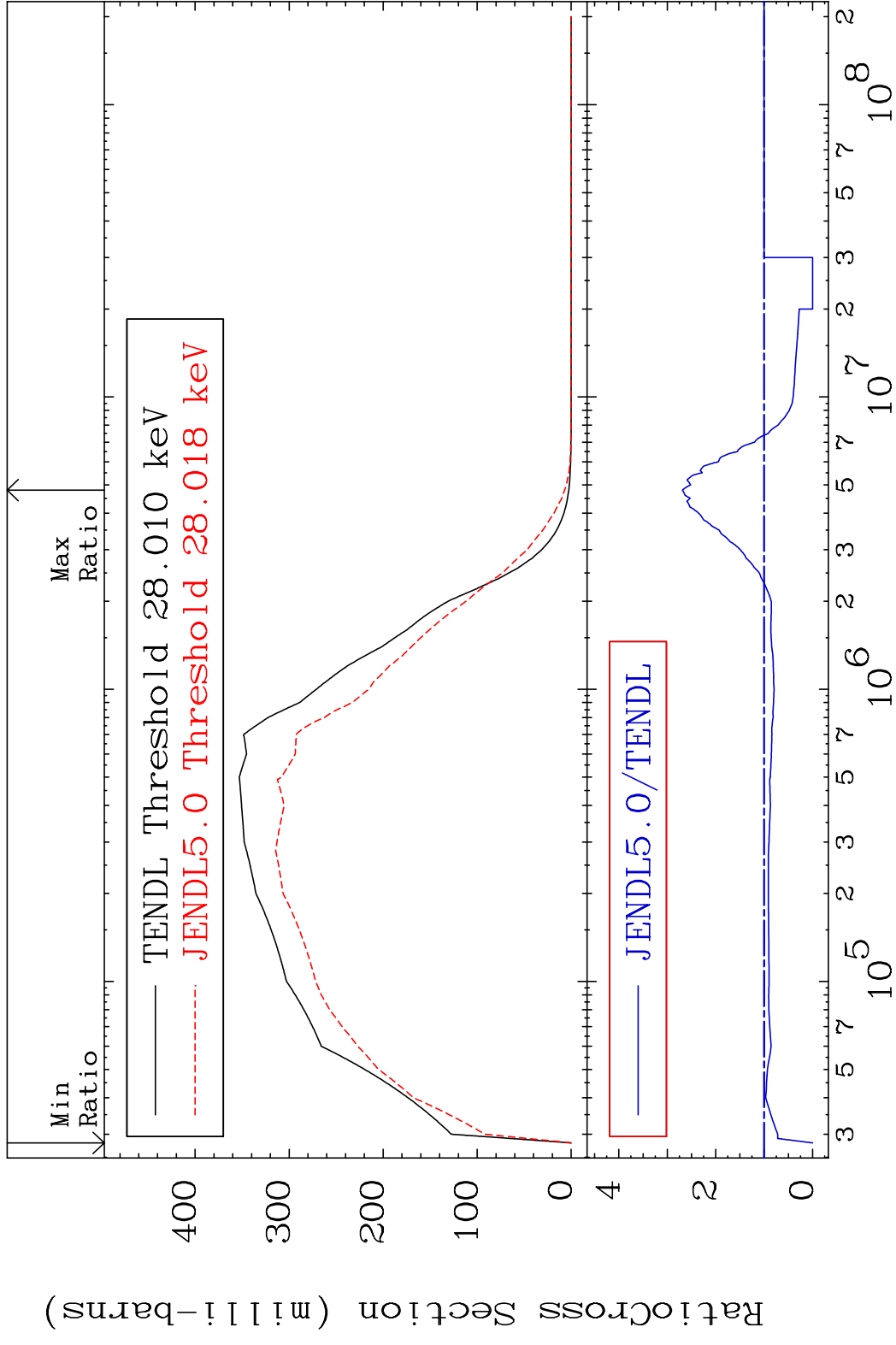


10

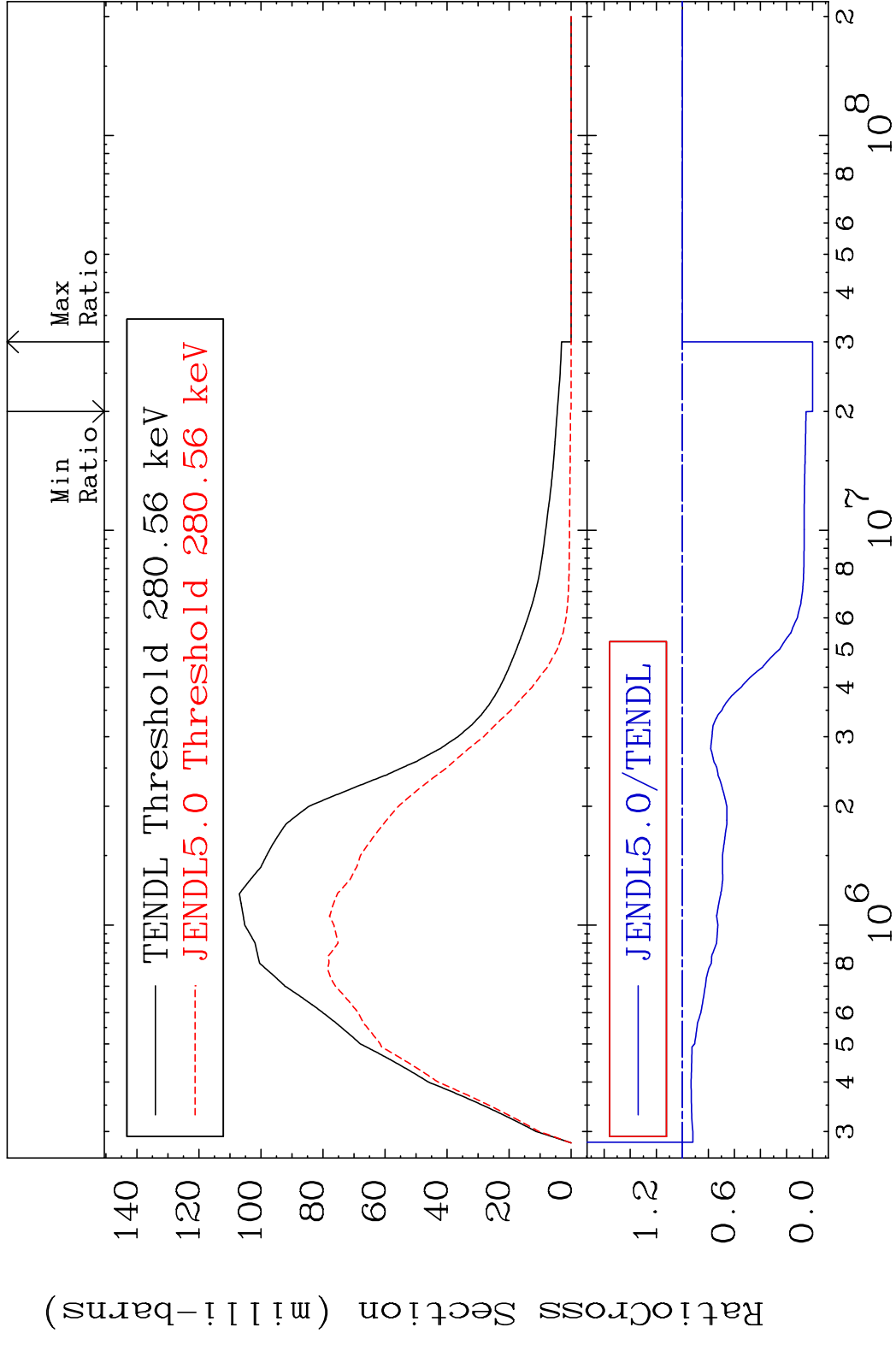
Incident Energy (eV)

53-I -129

MAT 5331 MT= 51 (n, n') Level 53-I -129
 Cross Section -100.0 To 168.8 %

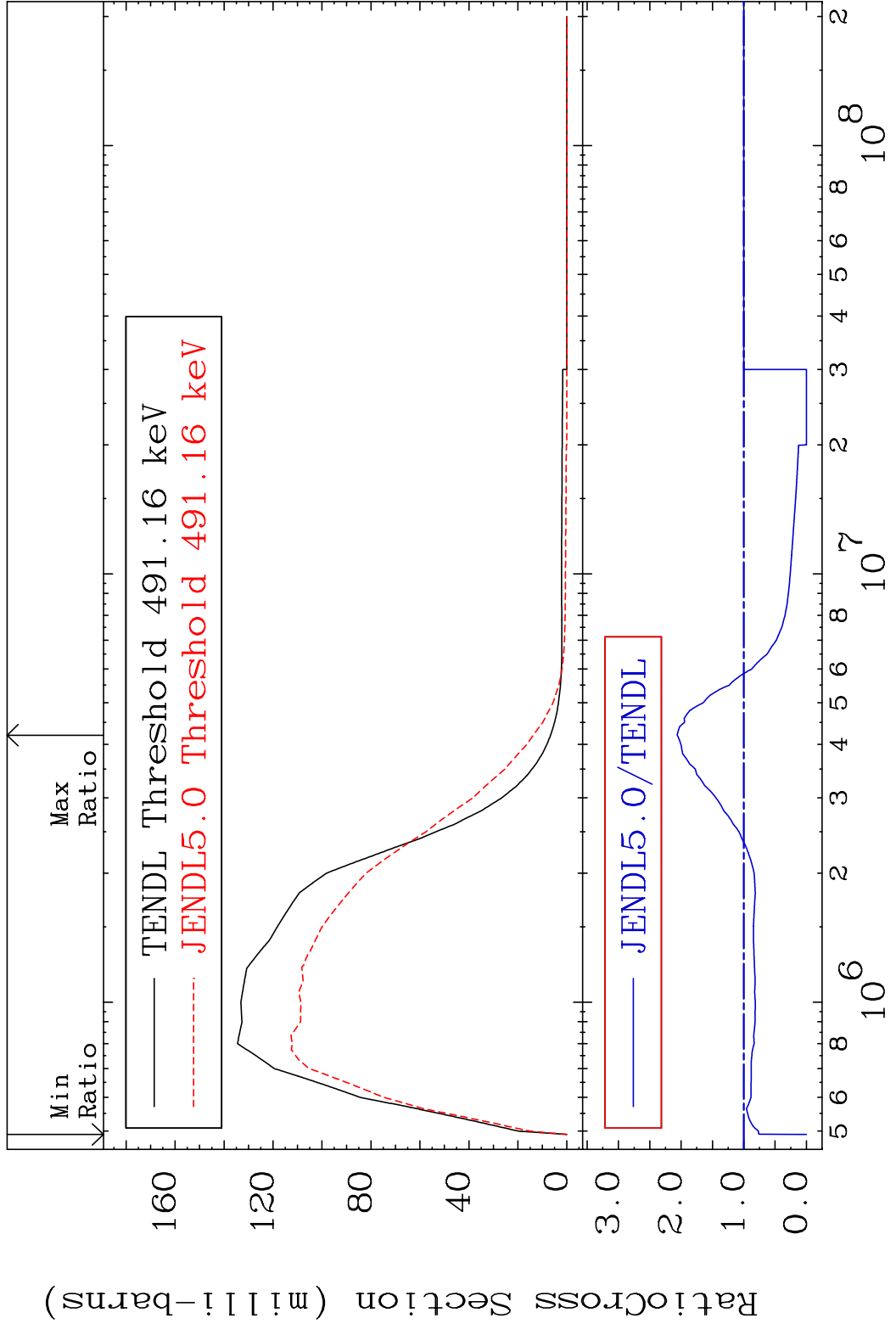


MAT 5331 MT= 52 (n,n') Level 53-I -129
 Cross Section -100.0 To 0.000 %

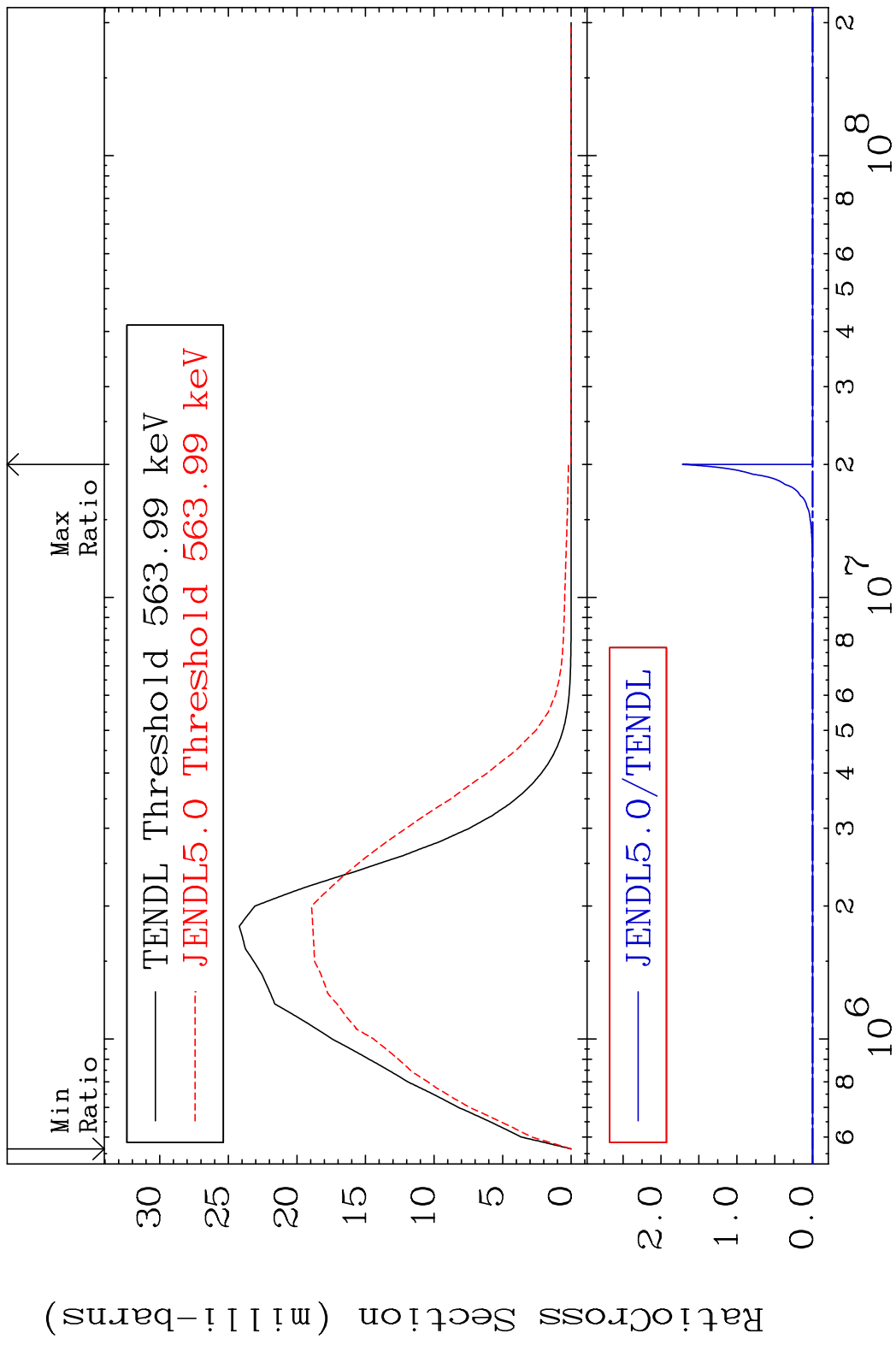


12 Incident Energy (eV) 53-I -129

MAT 5331 MT= 53 (n,n') Level 53-I -129
 Cross Section -100.0 To 106.3 %

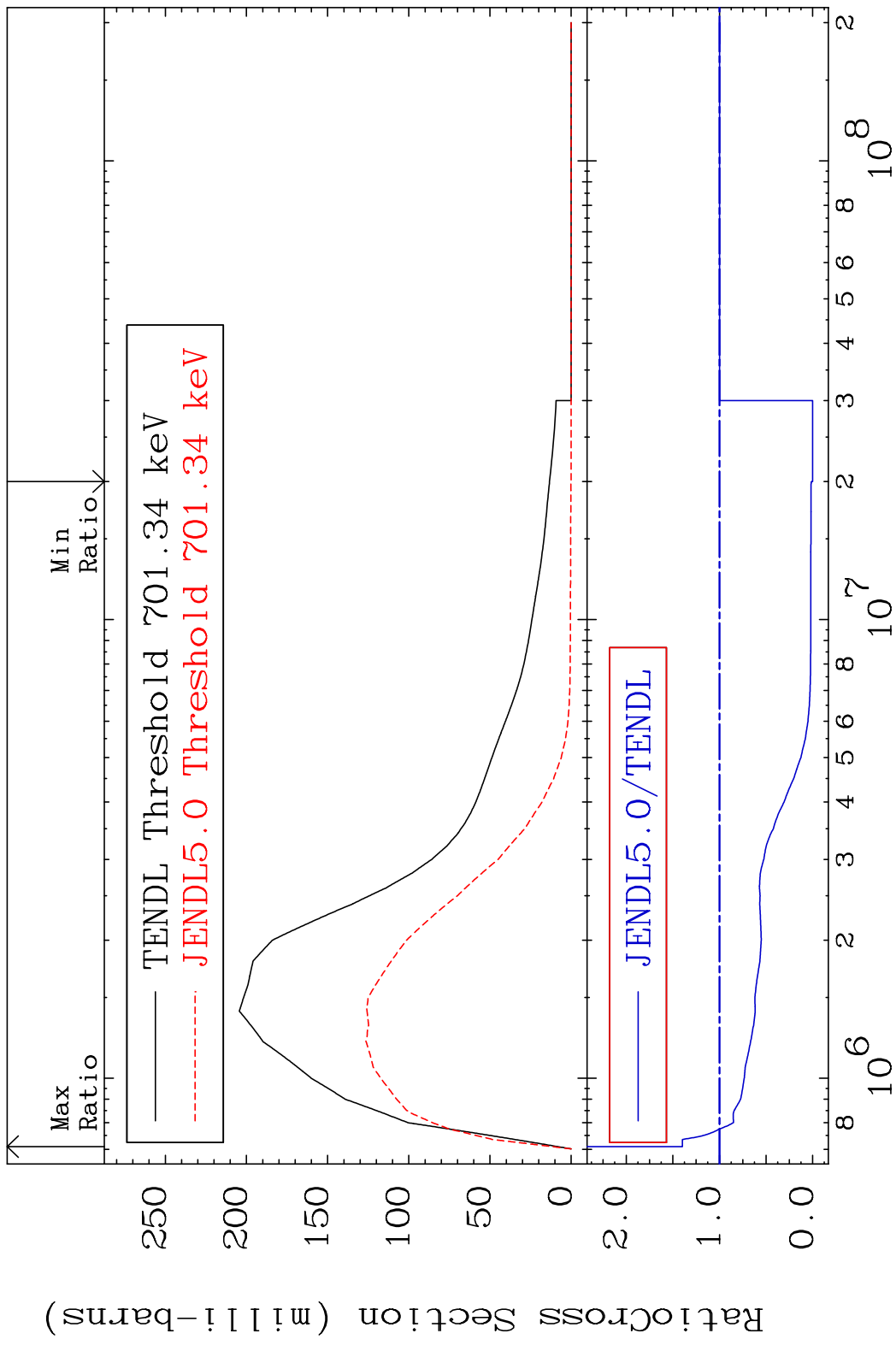


MAT 5331 MT= 54 (n, n') Level 53-I -129
 Cross Section -100.0 To 9999. %



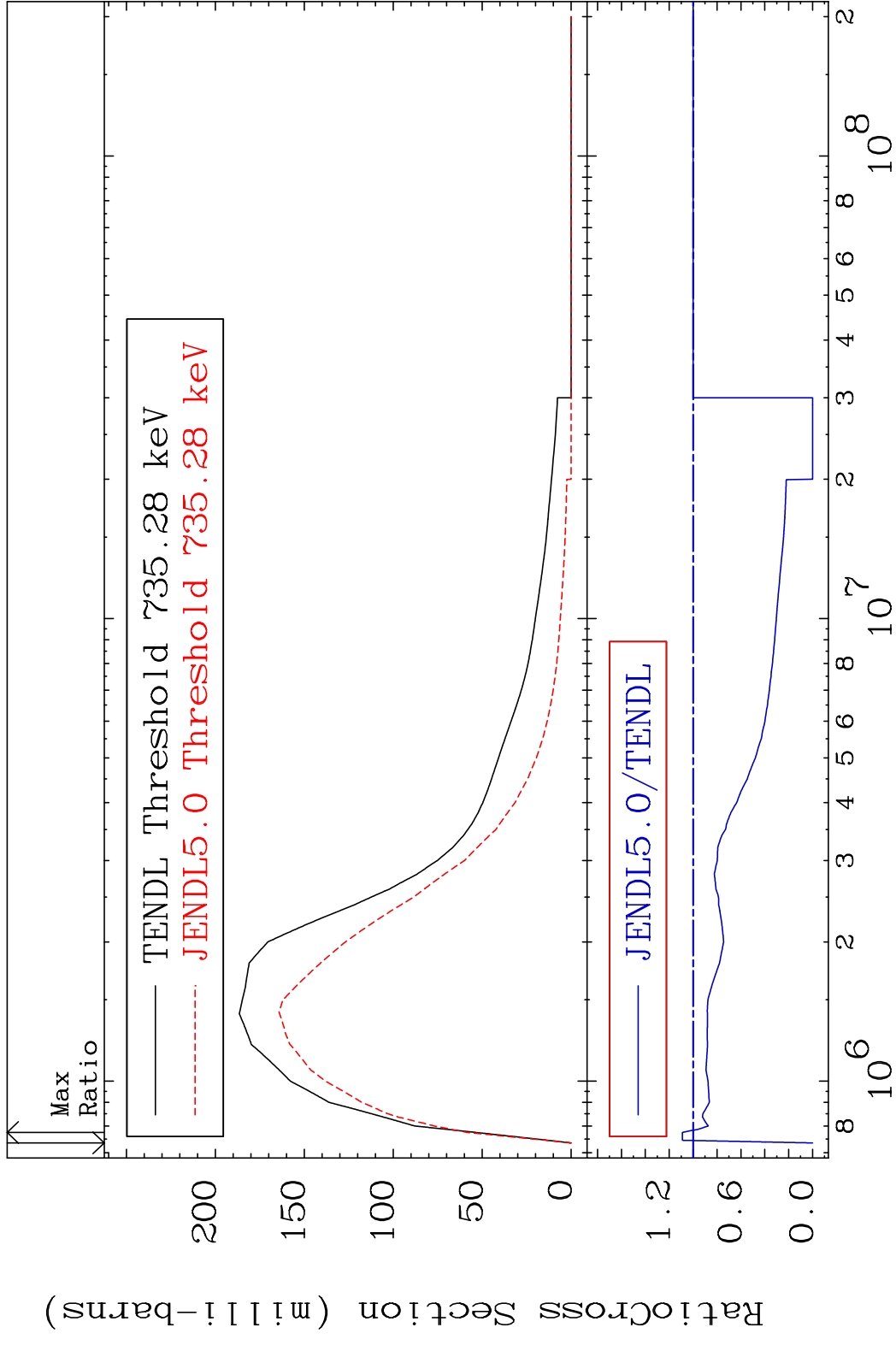
14 Incident Energy (eV) 53-I -129

MAT 5331 MT= 55 (n, n') Level 53-I -129
 Cross Section -100.0 To 39.84 %



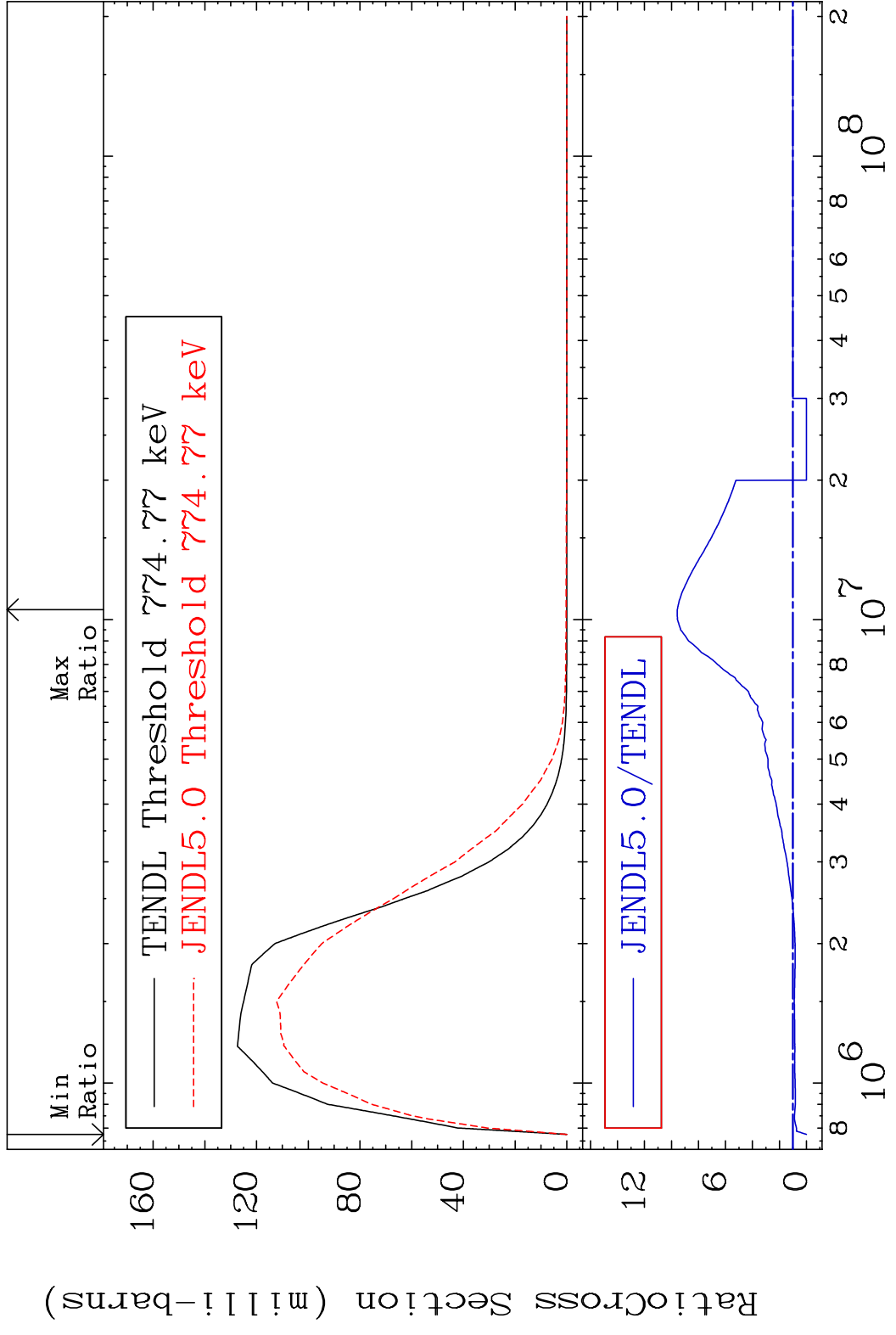
15 53-I -129

MAT 5331 MT= 56 (n,n') Level 53-I -129
 Cross Section -100.0 To 9.001 %



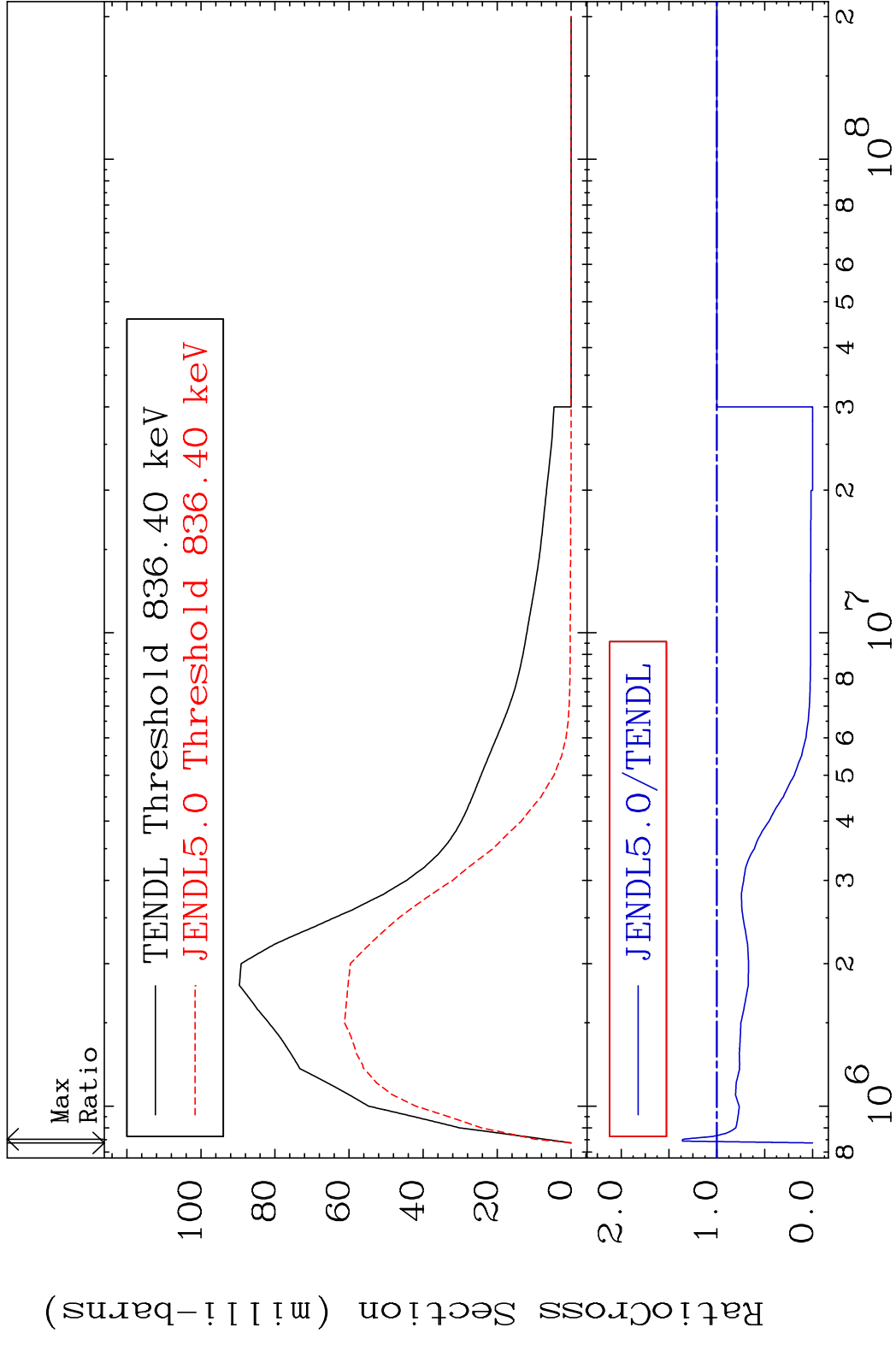
16 53-I -129

MAT 5331 MT= 57 (n,n') Level 53-I -129
 Cross Section -100.0 To 857.5 %



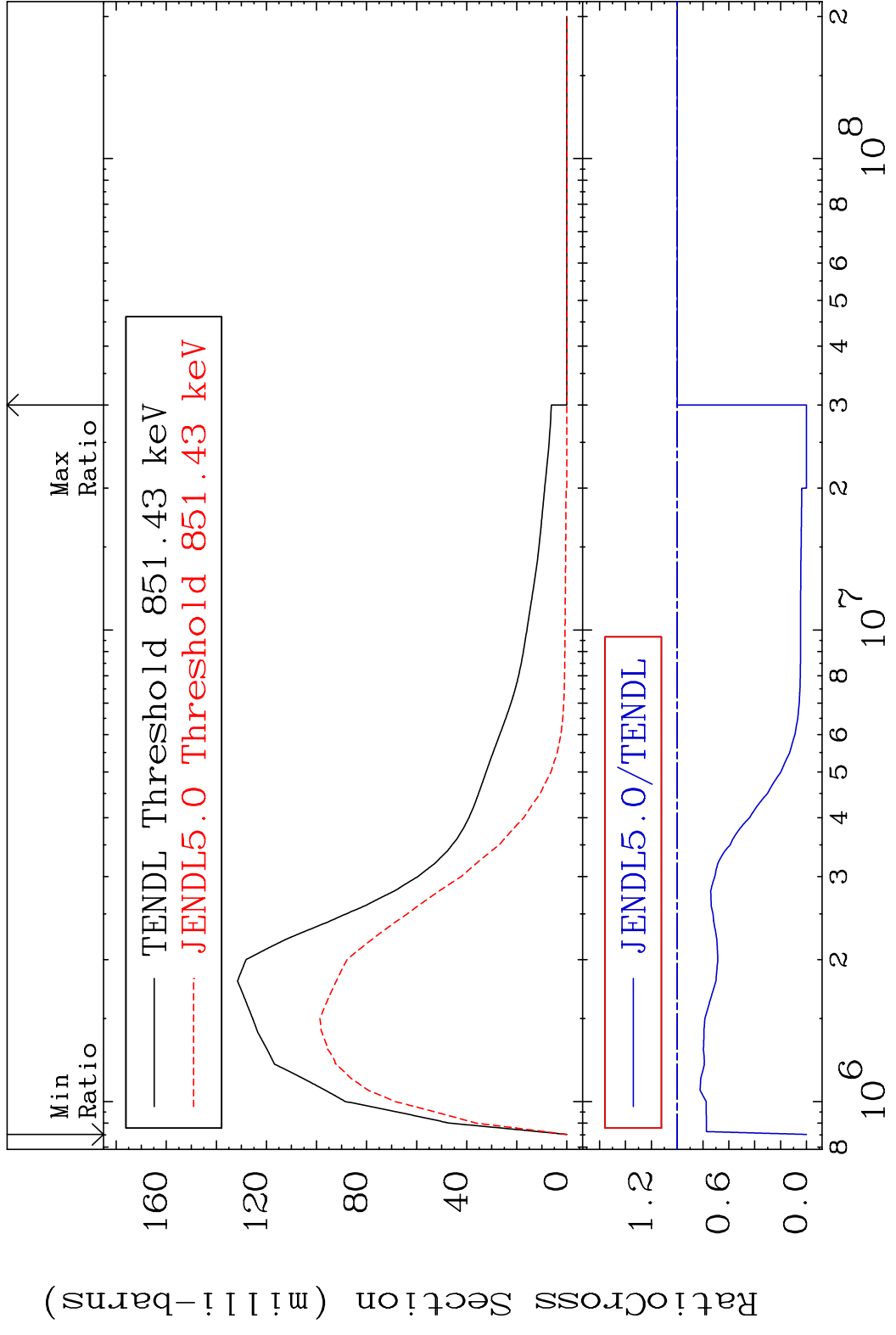
17 53-I -129

MAT 5331 MT= 58 (n,n') Level 53-I -129
 Cross Section -100.0 To 36.09 %



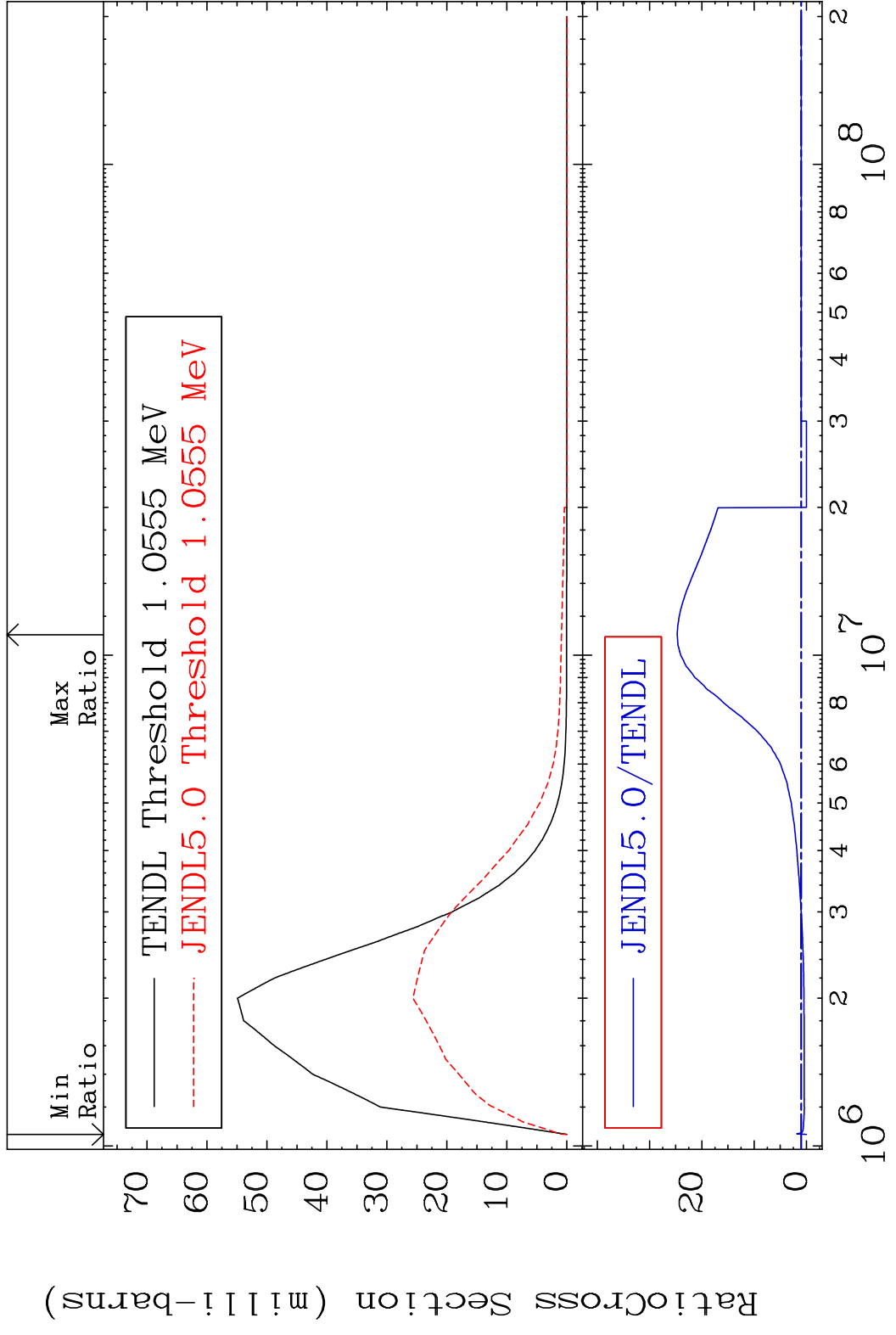
18 18 Incident Energy (eV) 53-I -129

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



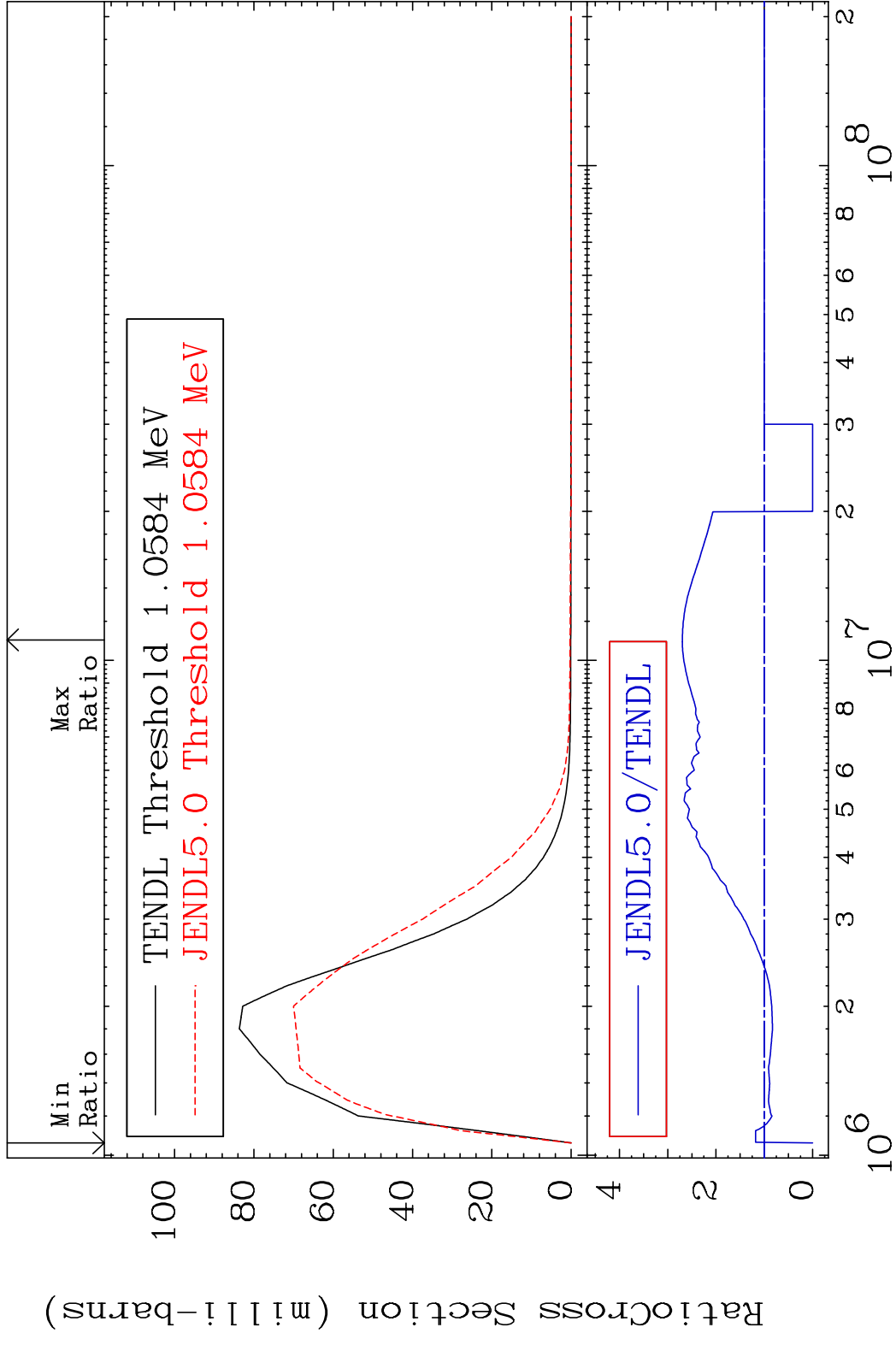
19 Incident Energy (eV) 53-I -129

MAT 5331 MT= 60 (n, n') Level 53-I -129
 Cross Section -100.0 To 2372. %

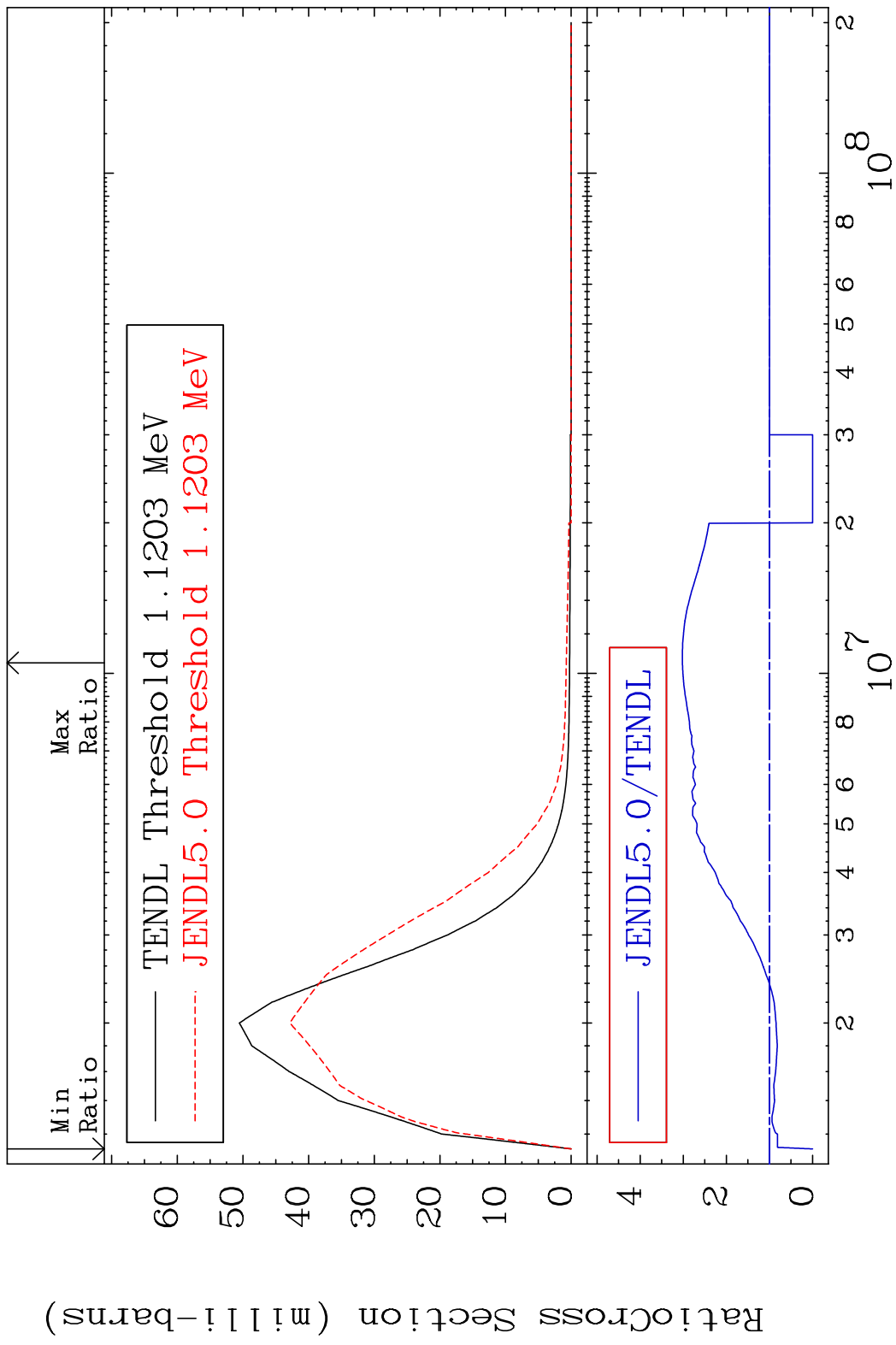


20 53-I -129

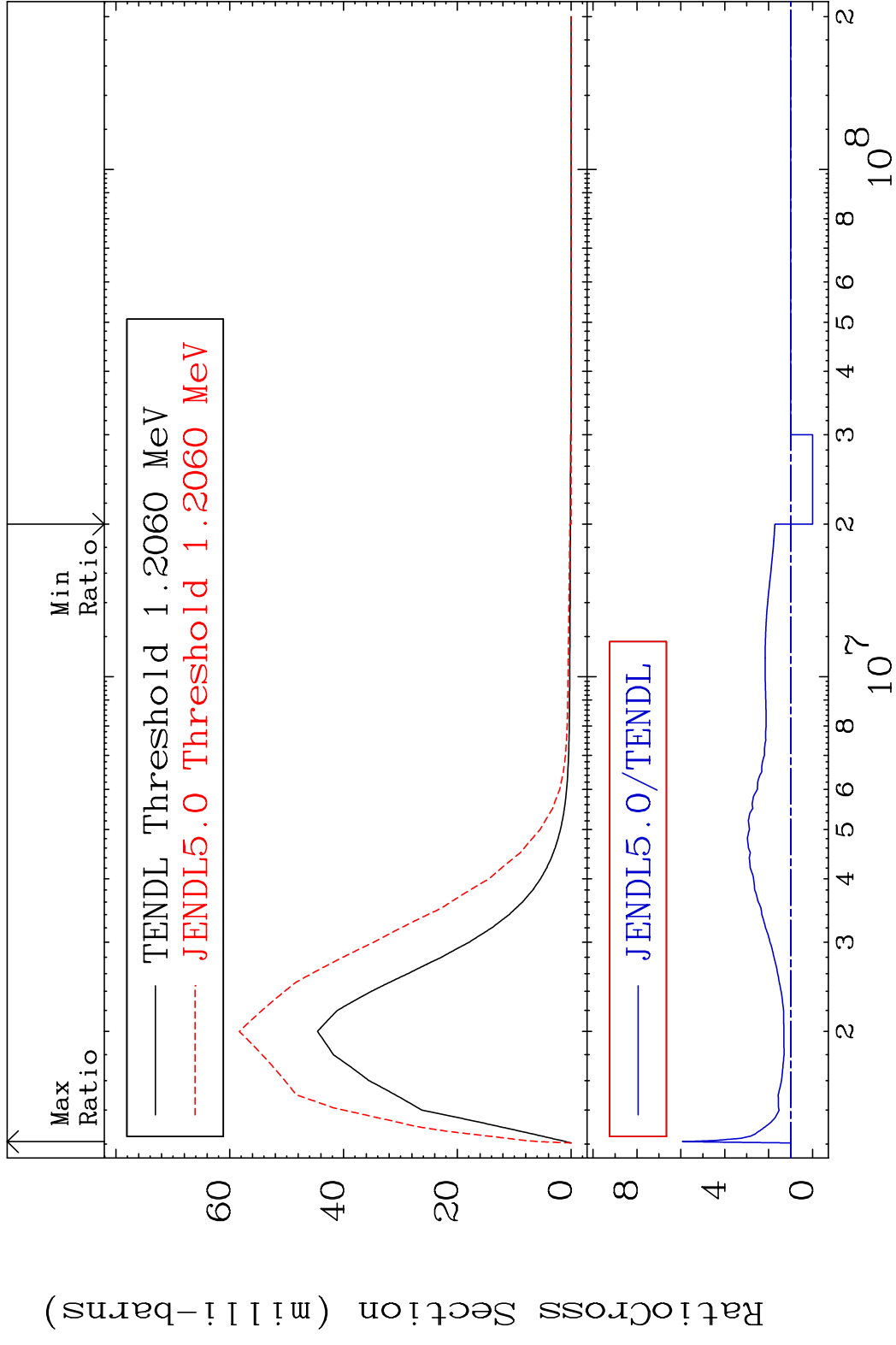
MAT 5331 MT= 61 (n, n') Level 53-I -129
 Cross Section -100.0 To 169.7 %



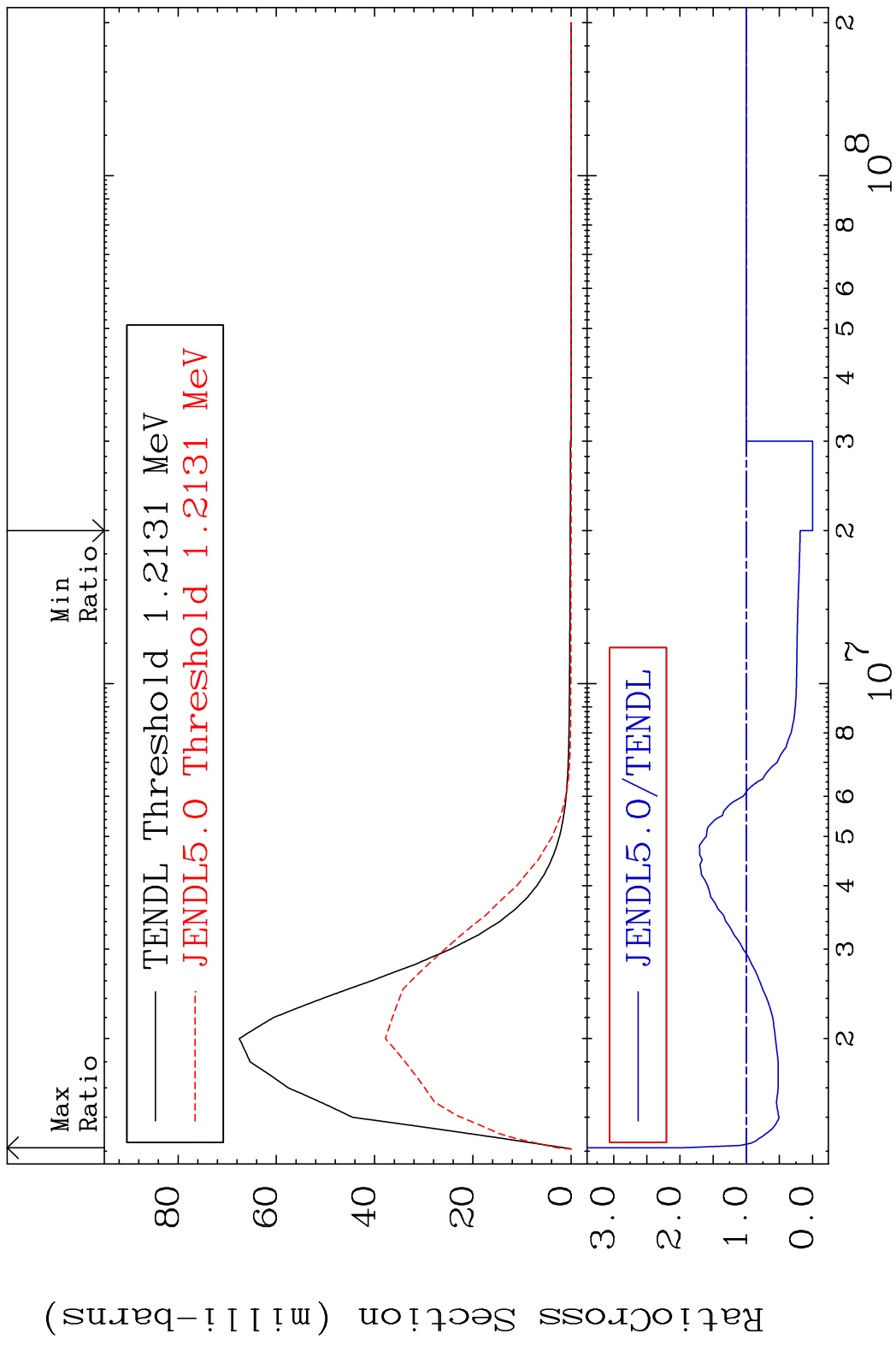
MAT 5331 MT= 62 (n, n') Level 53-I -129
 Cross Section -100.0 To 202.1 %



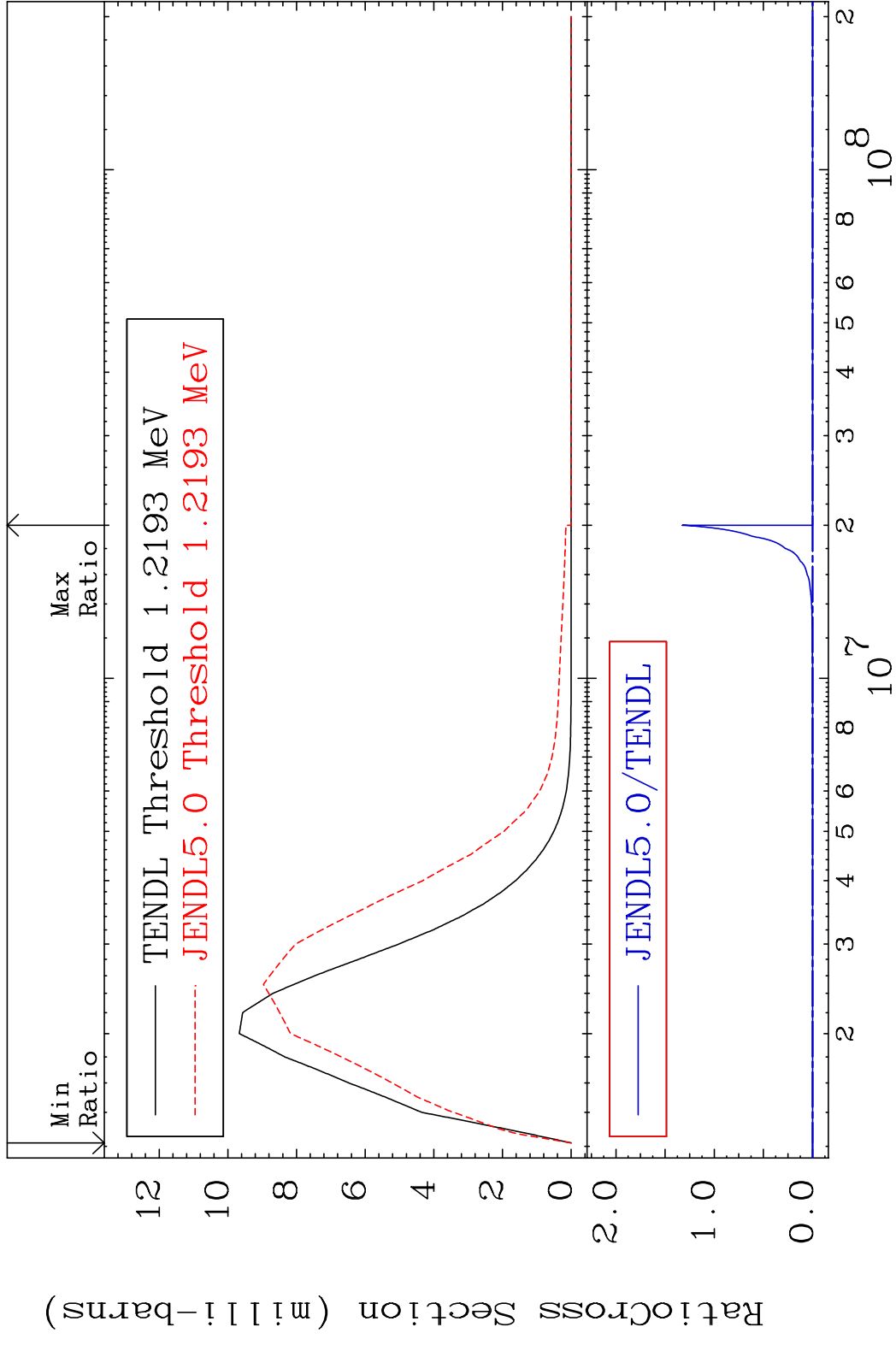
MAT 5331 MT= 63 (n, n') Level 53-I -129
 Cross Section -100.0 To 493.3 %



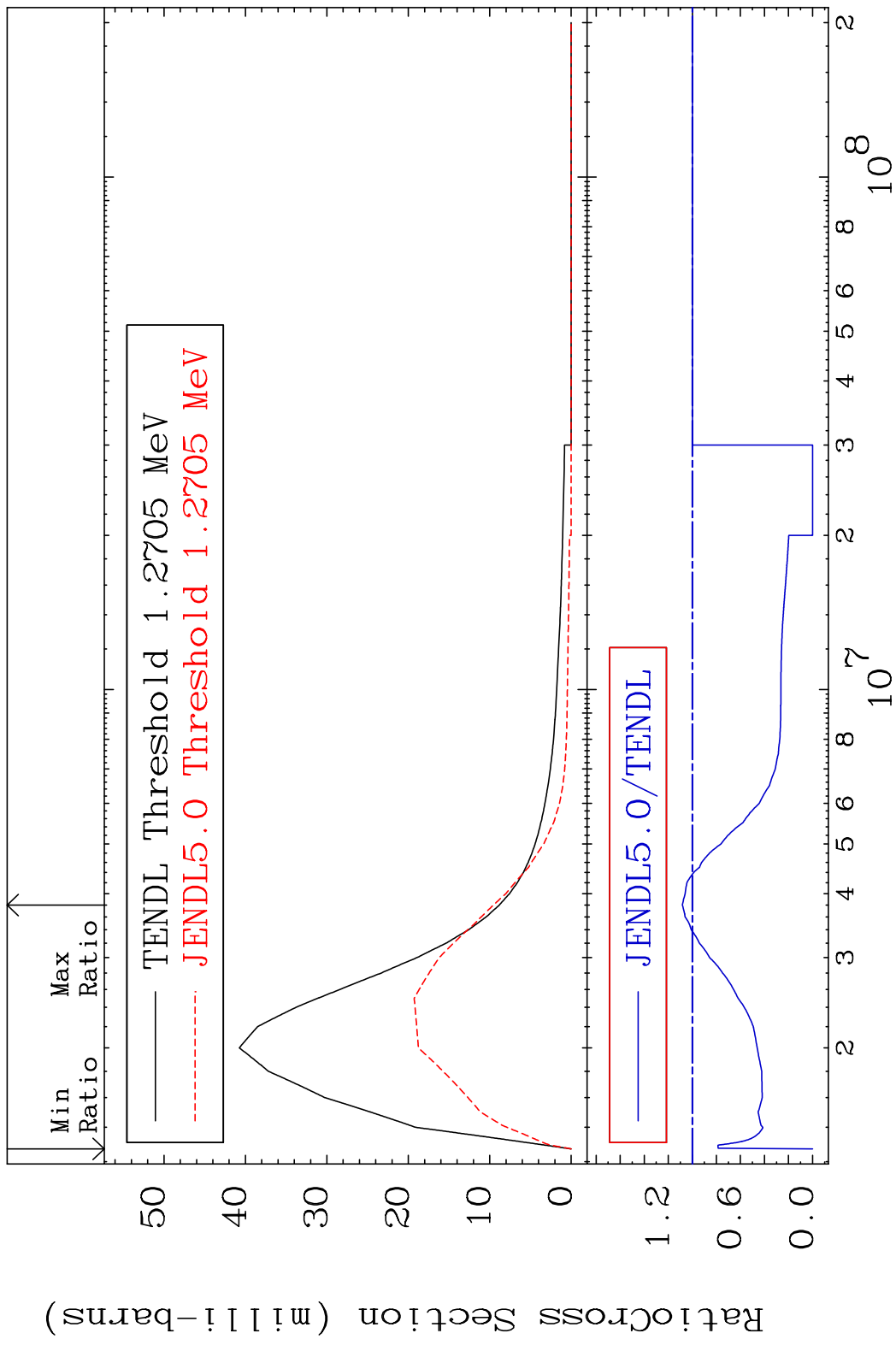
MAT 5331 MT= 64 (n, n') Level 53-I -129
 Cross Section -100.0 To 96.39 %



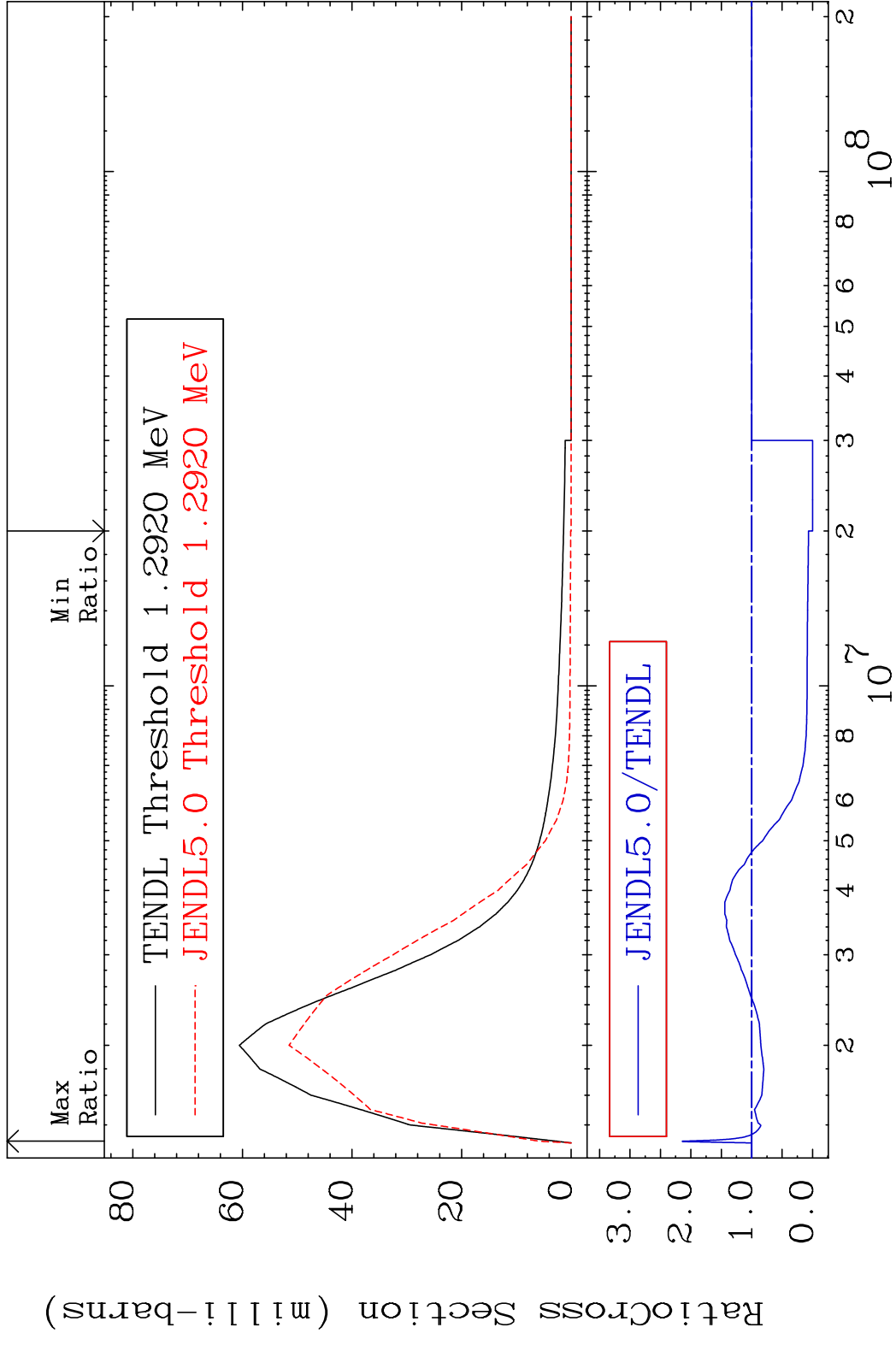
MAT 5331 MT= 65 (n, n') Level 53-I -129
 Cross Section -100.0 To 9999. %



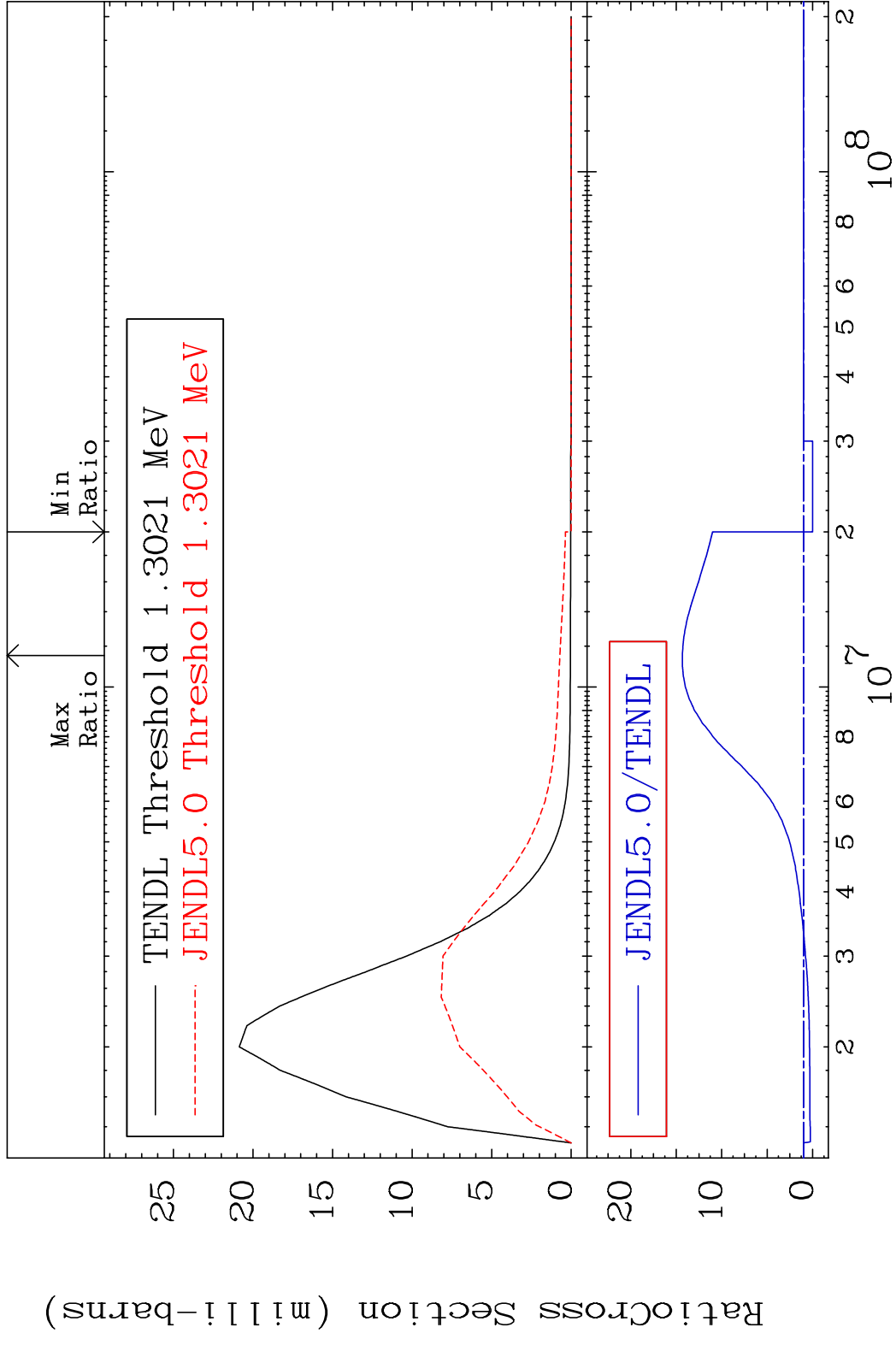
MAT 5331 MT= 66 (n,n') Level 53-I -129
 Cross Section -100.0 To 8.279 %



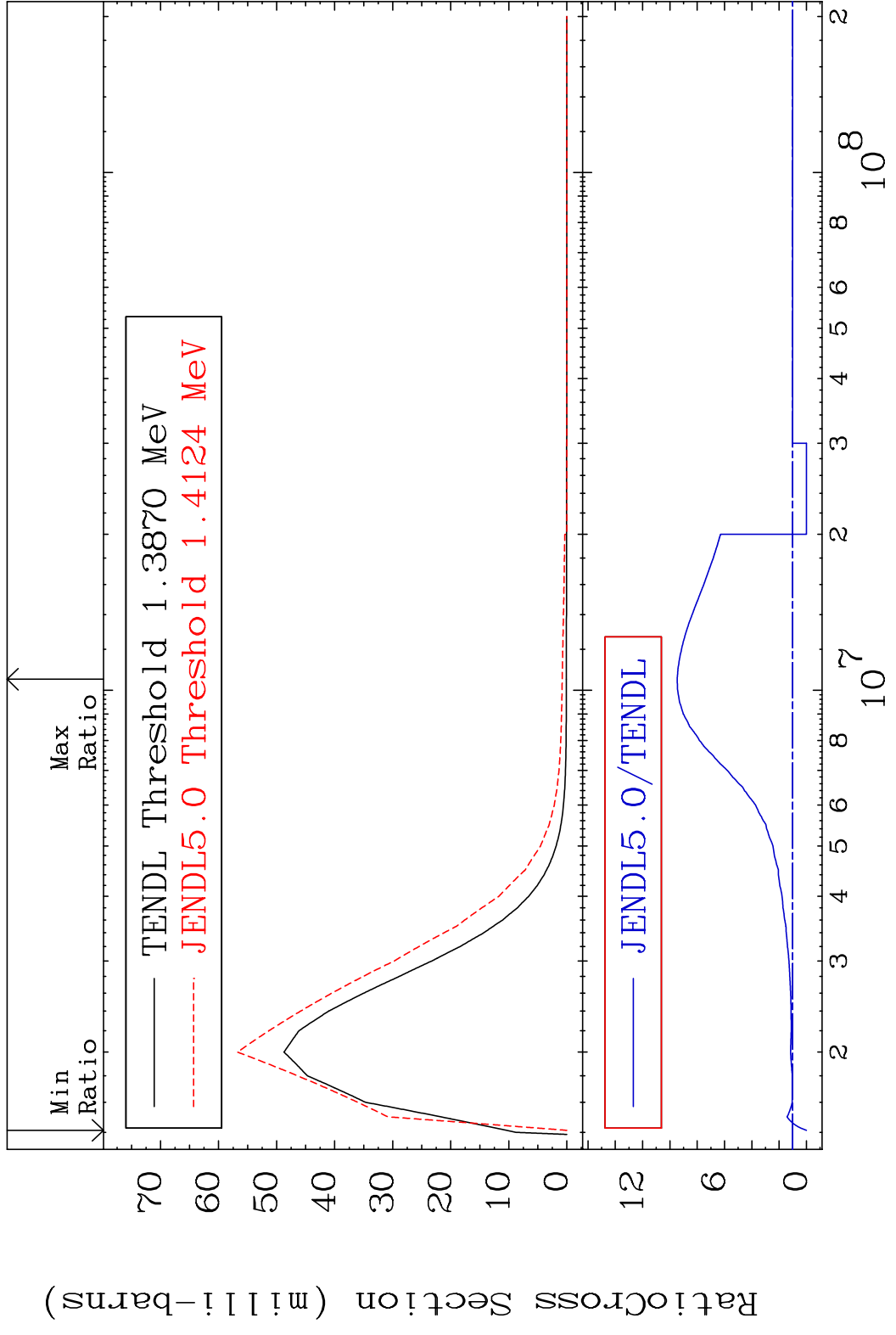
MAT 5331 MT= 67 (n,n') Level 53-I -129
 Cross Section -100.0 To 114.0 %



MAT 5331 MT= 68 (n,n') Level 53-I -129
 Cross Section -100.0 To 1333. %



MAT 5331 MT= 69 (n, n') Level 53-I -129
 Cross Section -100.0 To 846.6 %

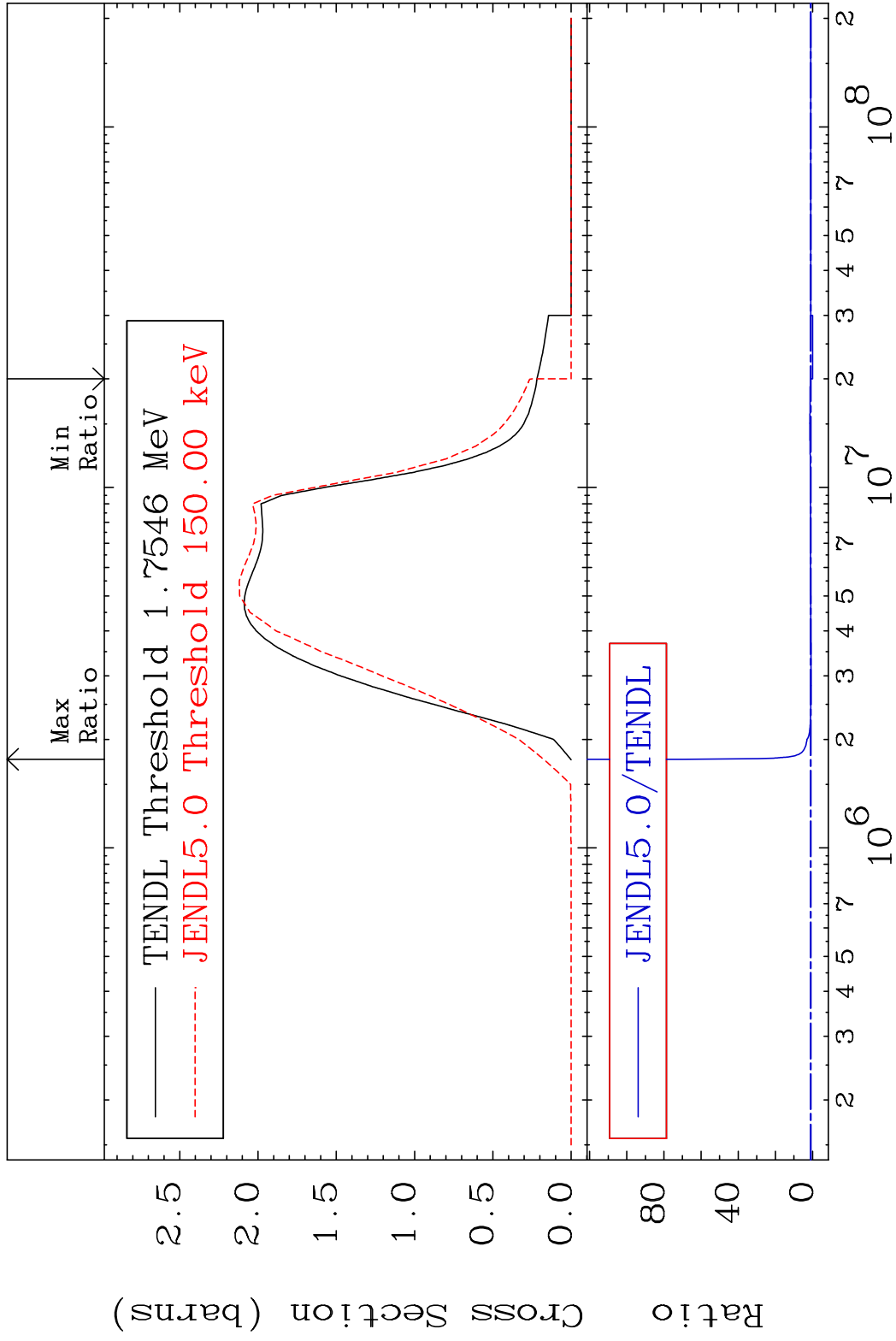


MAT 5331

(n, n') Continuum

53-I -129

Cross Section -100.0 To 6908. %



30

Incident Energy (eV)

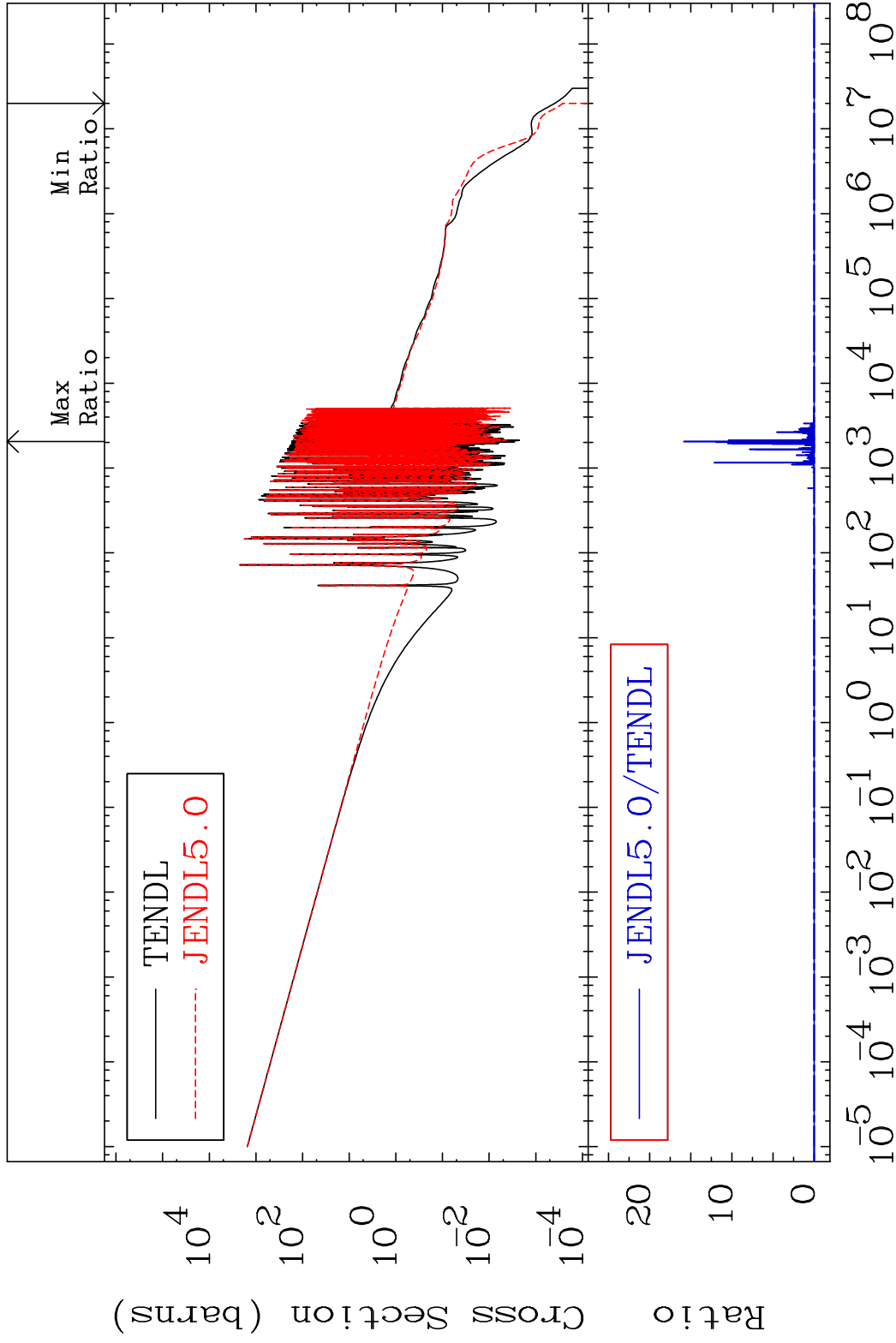
53-I -129

MAT 5331

(n, γ)

53-I -129

Cross Section -100.0 To 9999. %



31

Incident Energy (eV)

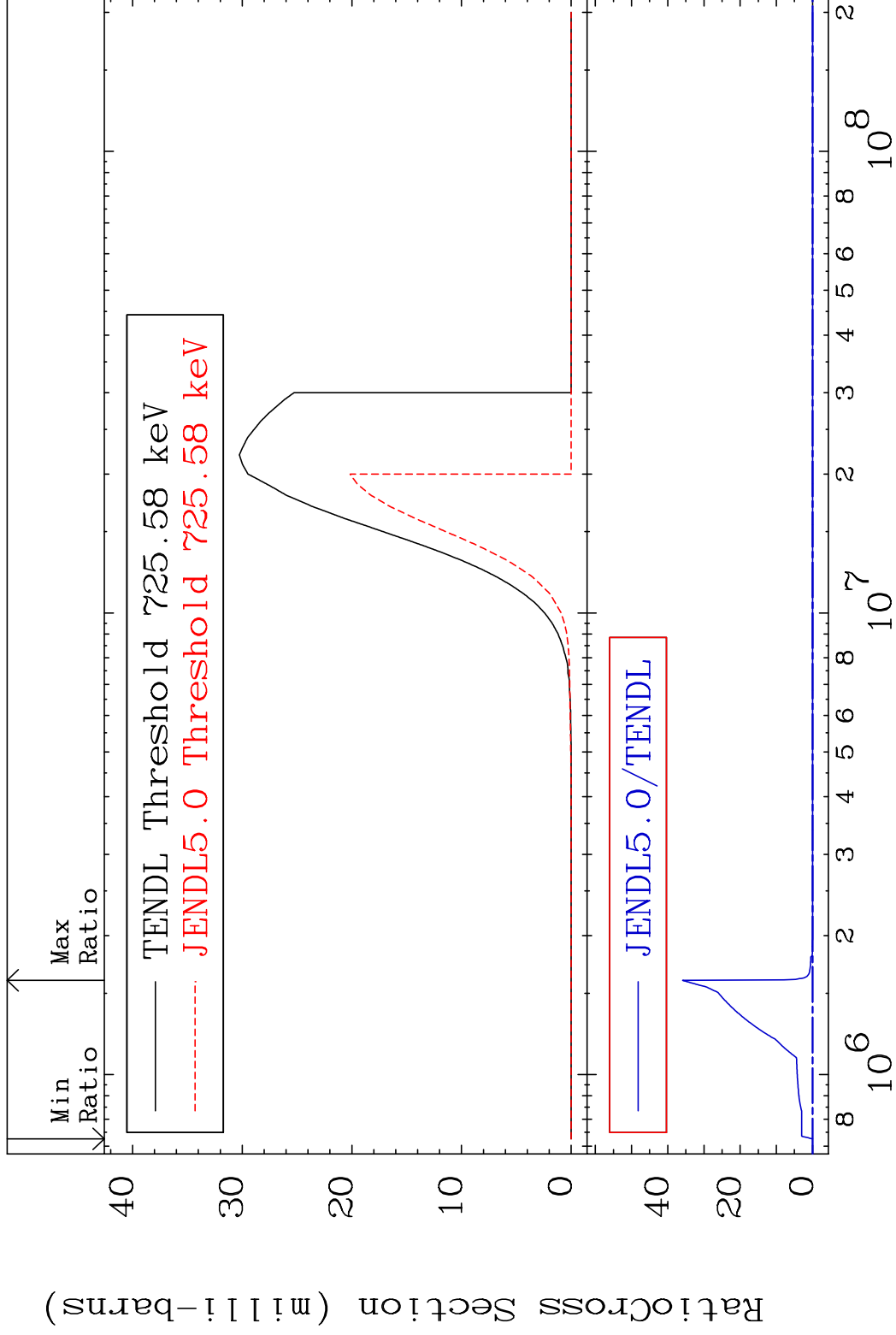
53-I -129

MAT 5331

(n,p)

53-I -129

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

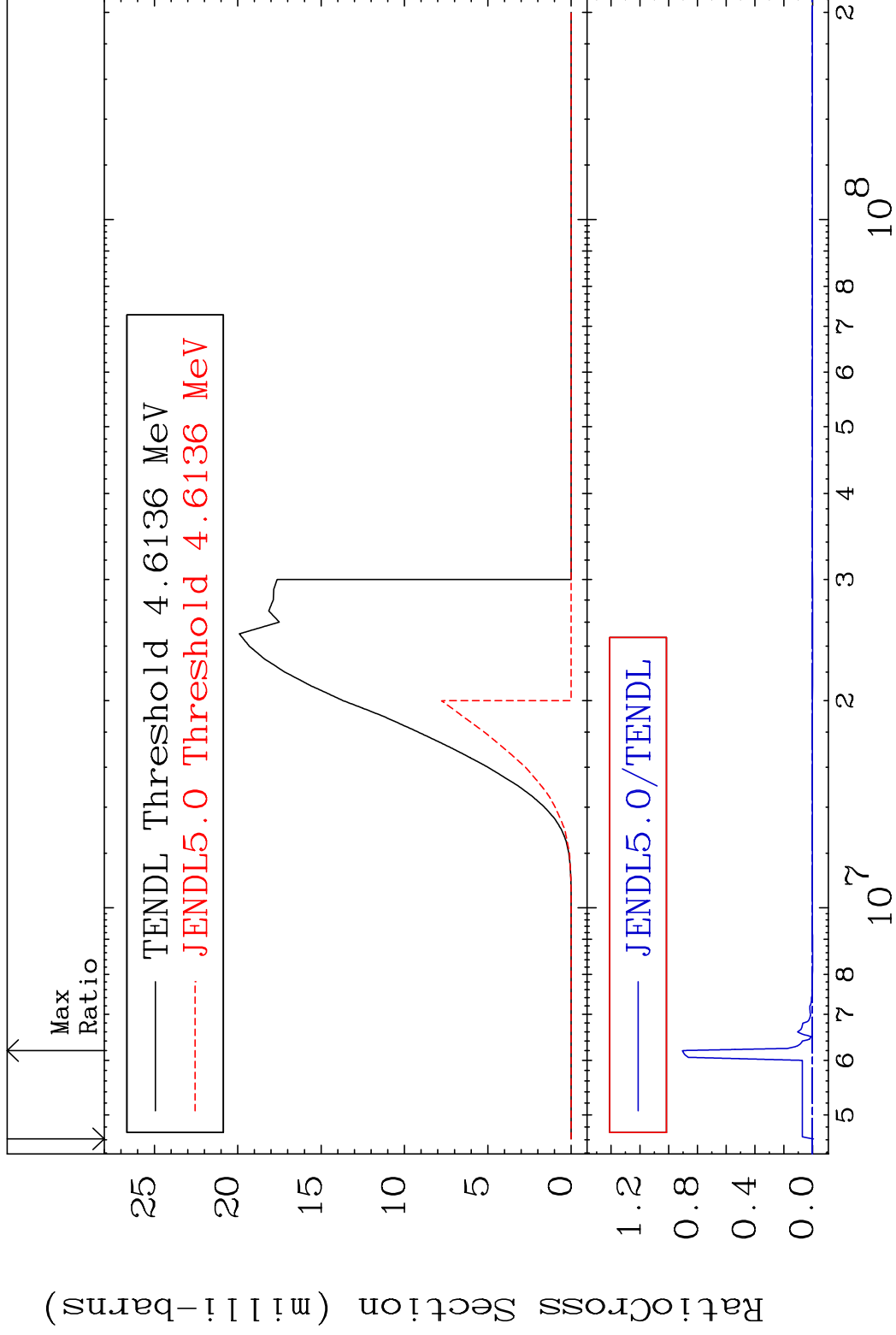
53-I -129

MAT 5331

(n,d)

53-I -129

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

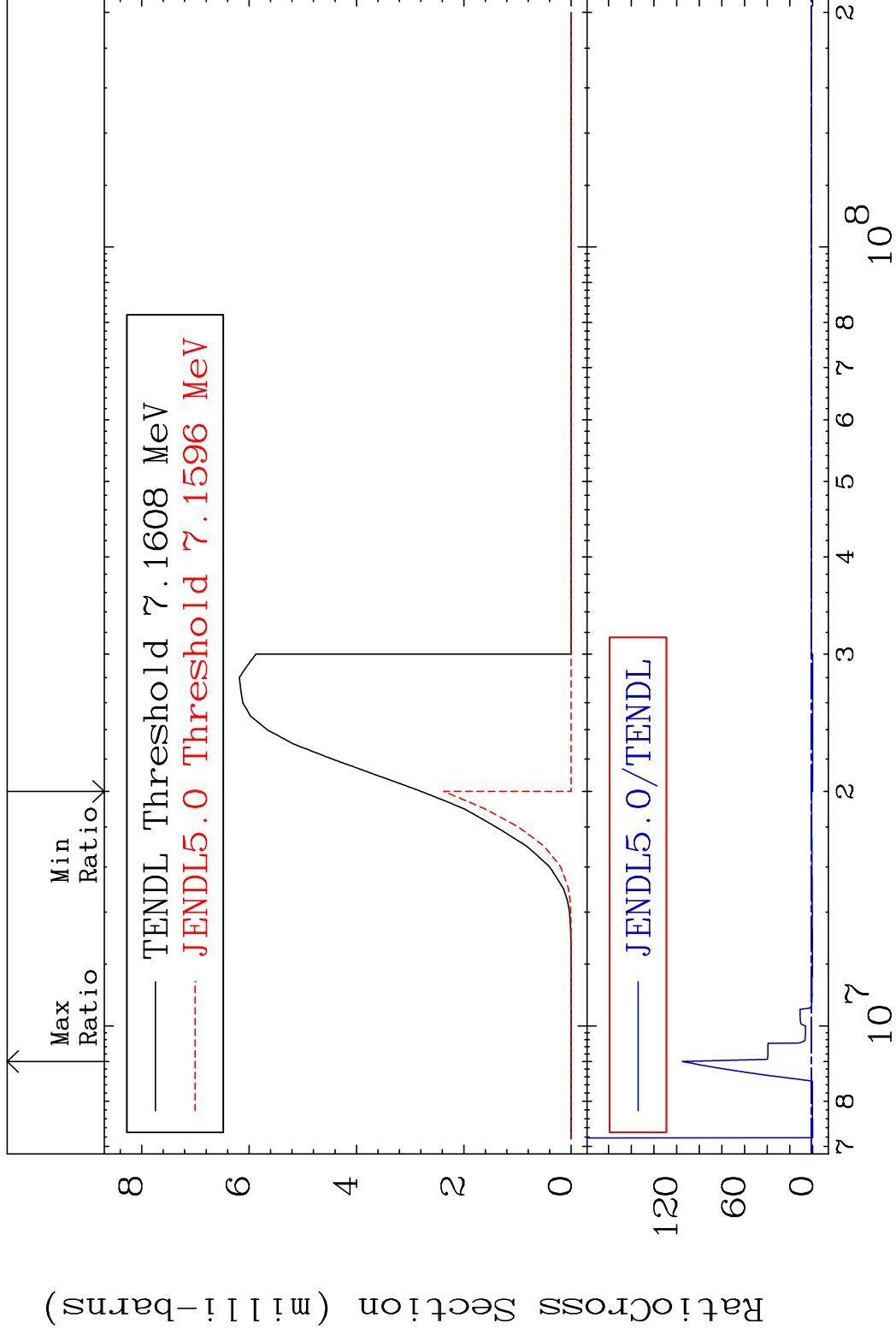
53-I -129

MAT 5331

(n, t)

53-I -129

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

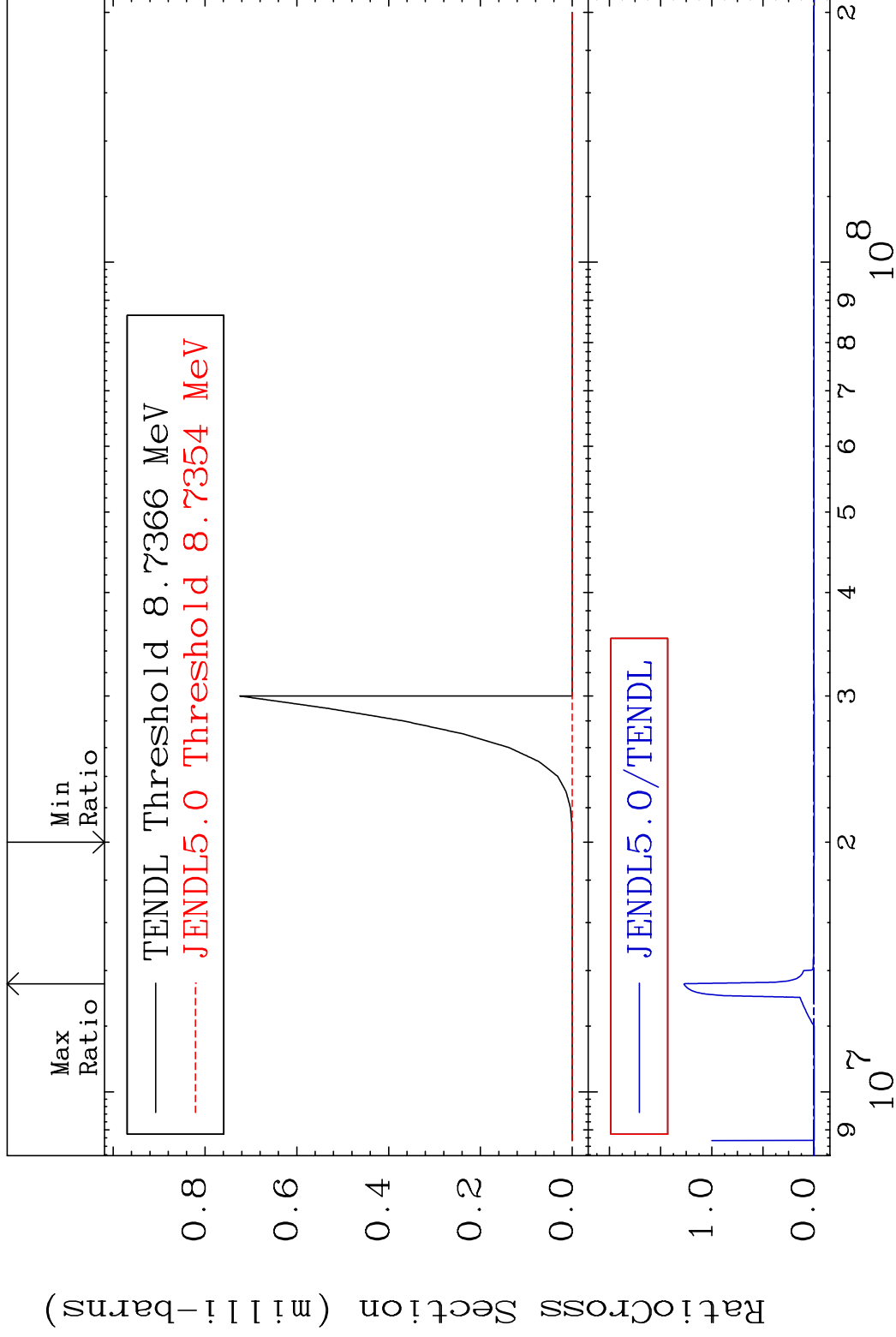
53-I -129

MAT 5331

(n, He-3)

53-I -129

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

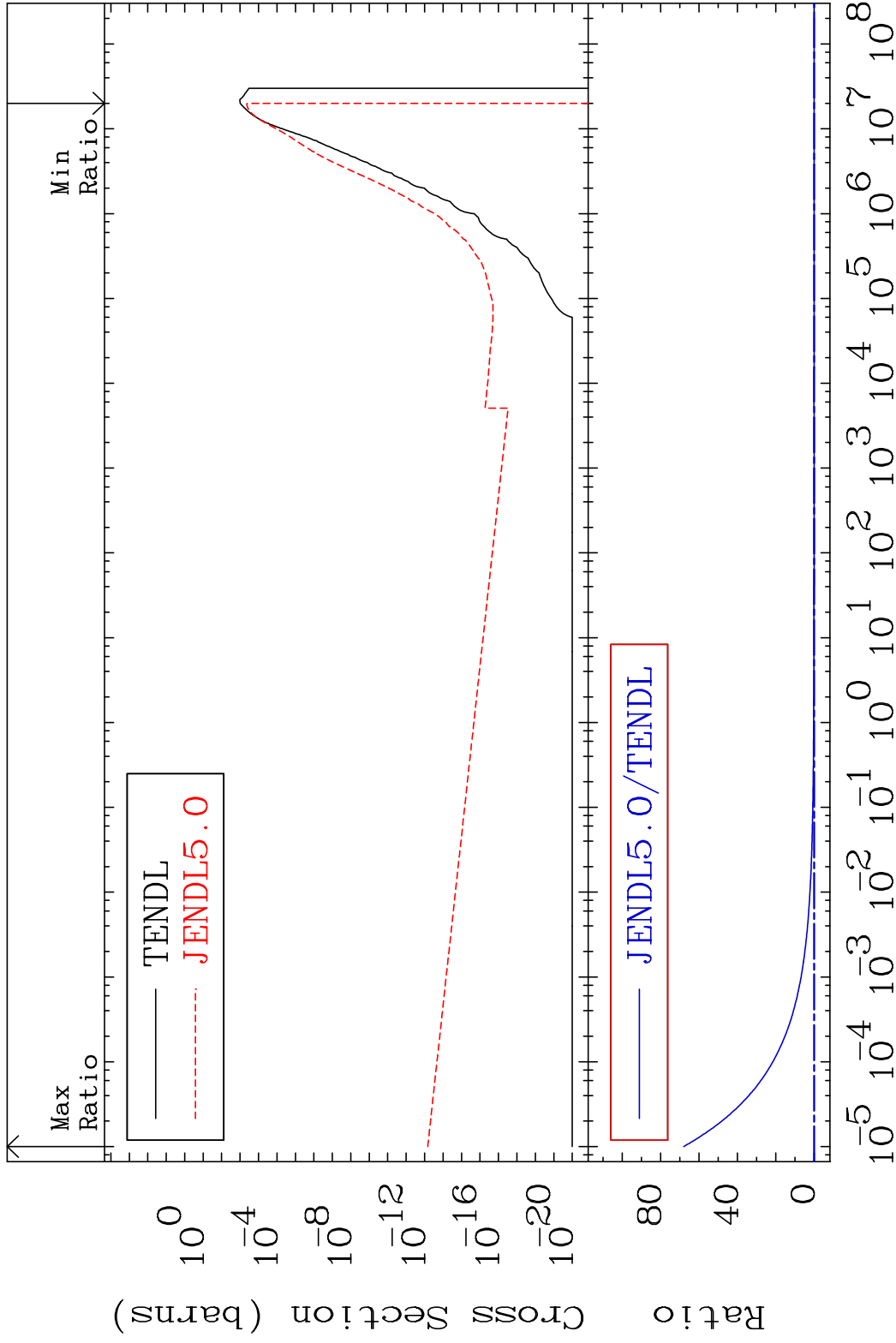
53-I -129

MAT 5331

(n, α)

53-I -129

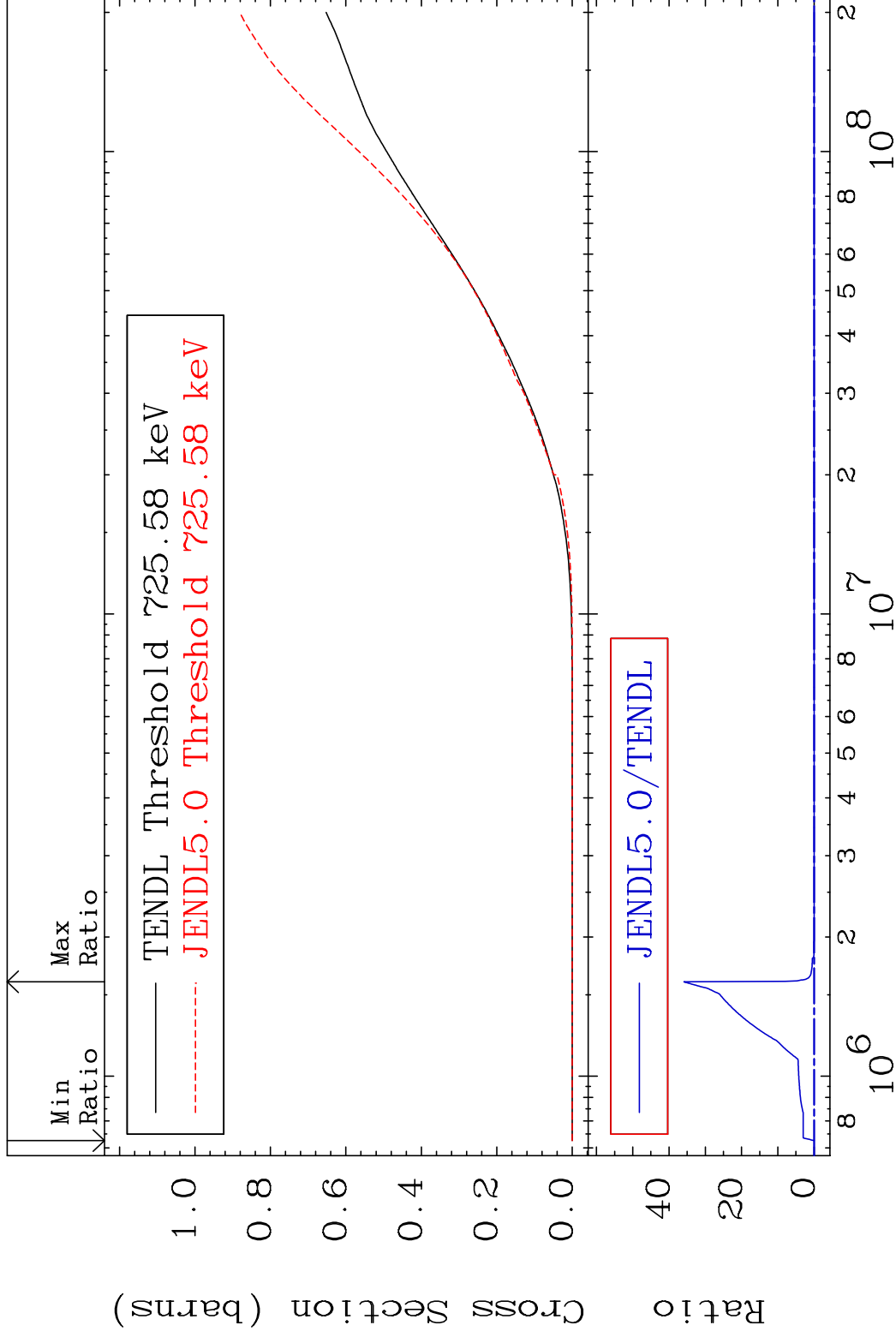
Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

53-I -129

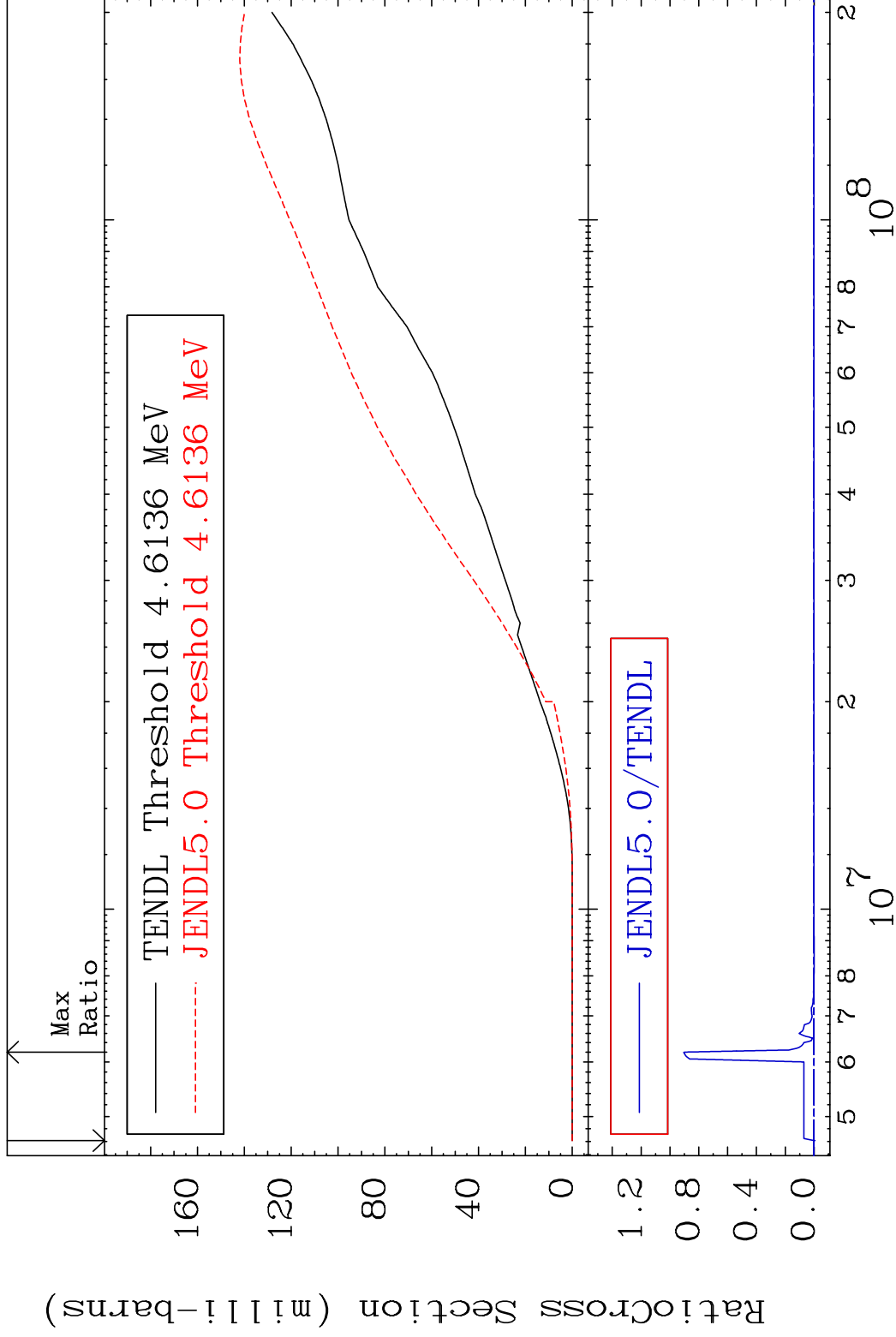


MAT 5331

Deuterium Production

53-I -129

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

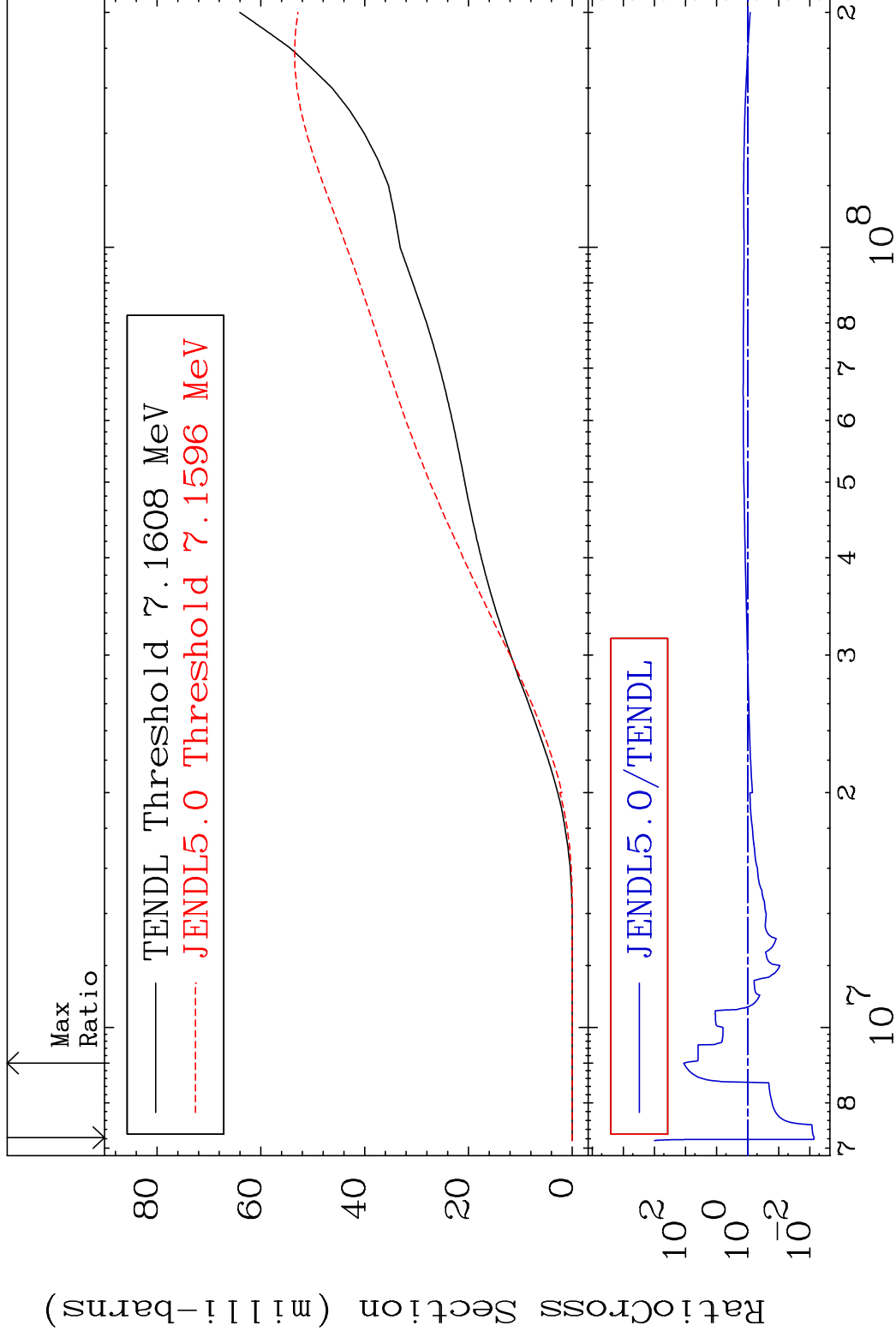
53-I -129

MAT 5331

Tritium Production

53-I -129

Cross Section -99.27 To 9999. %



39

Incident Energy (eV)

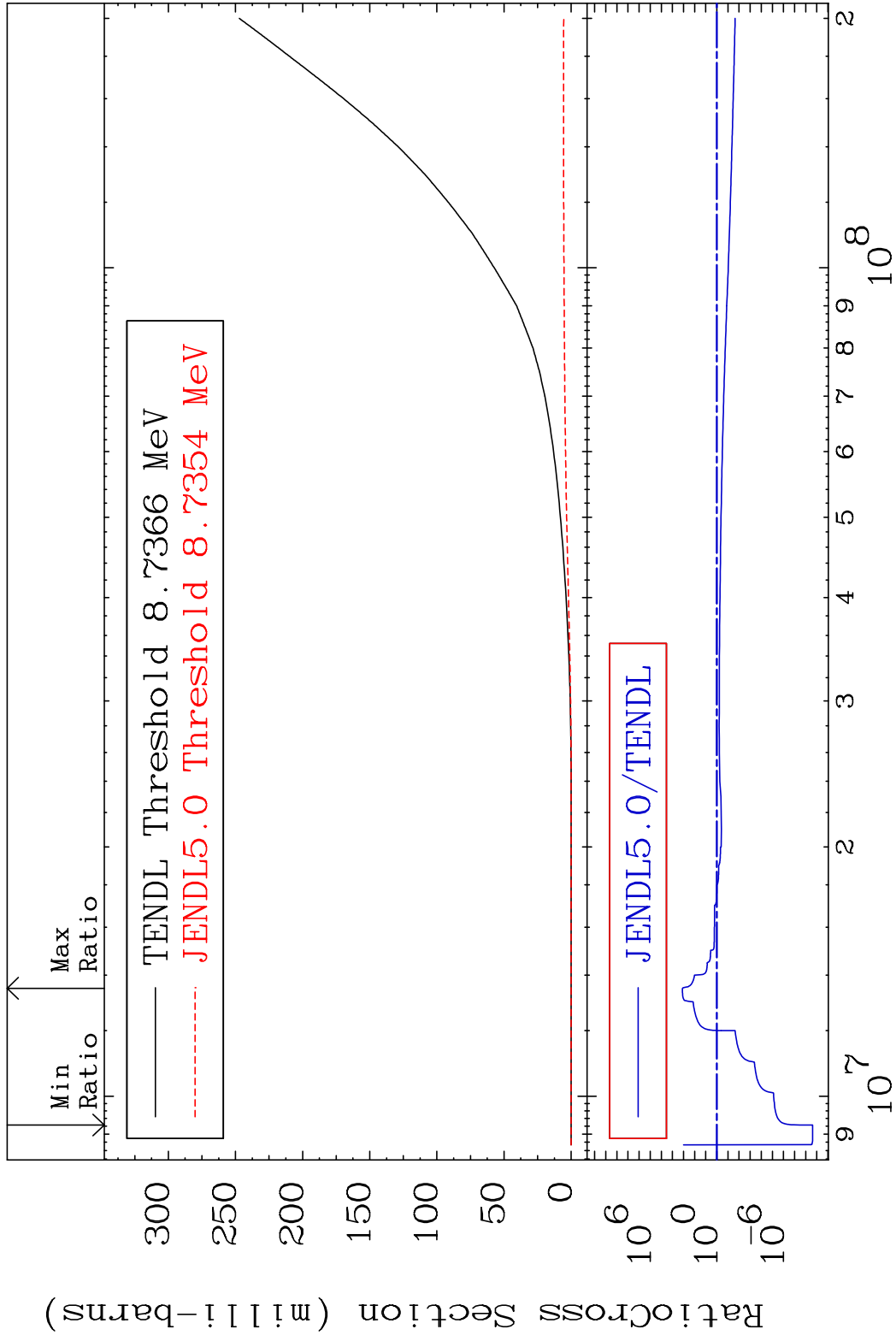
53-I -129

MAT 5331

He-3 Production

53-I -129

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

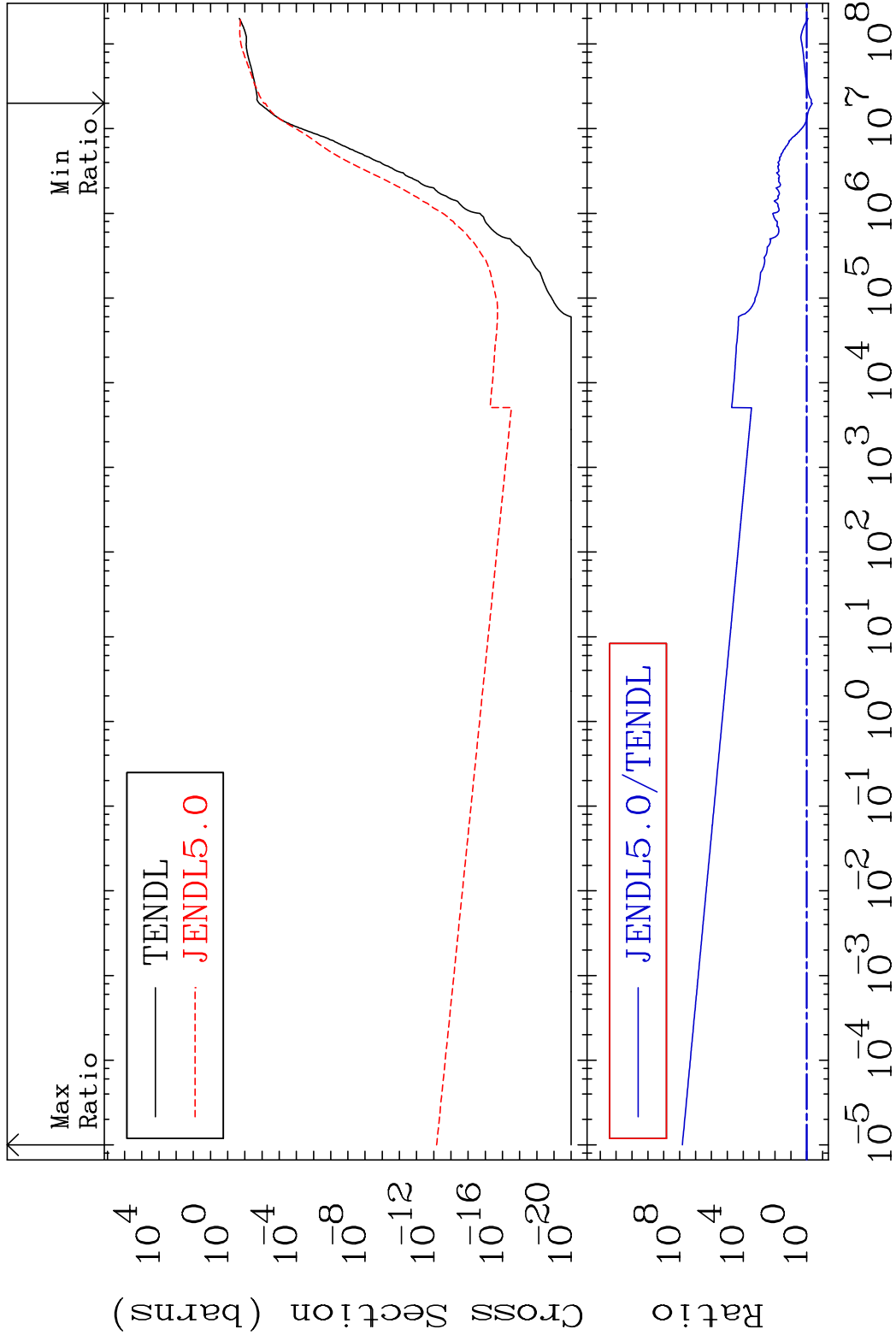
53-I -129

MAT 5331

He-4 Production

53-I -129

Cross Section -56.65 To 9999. %

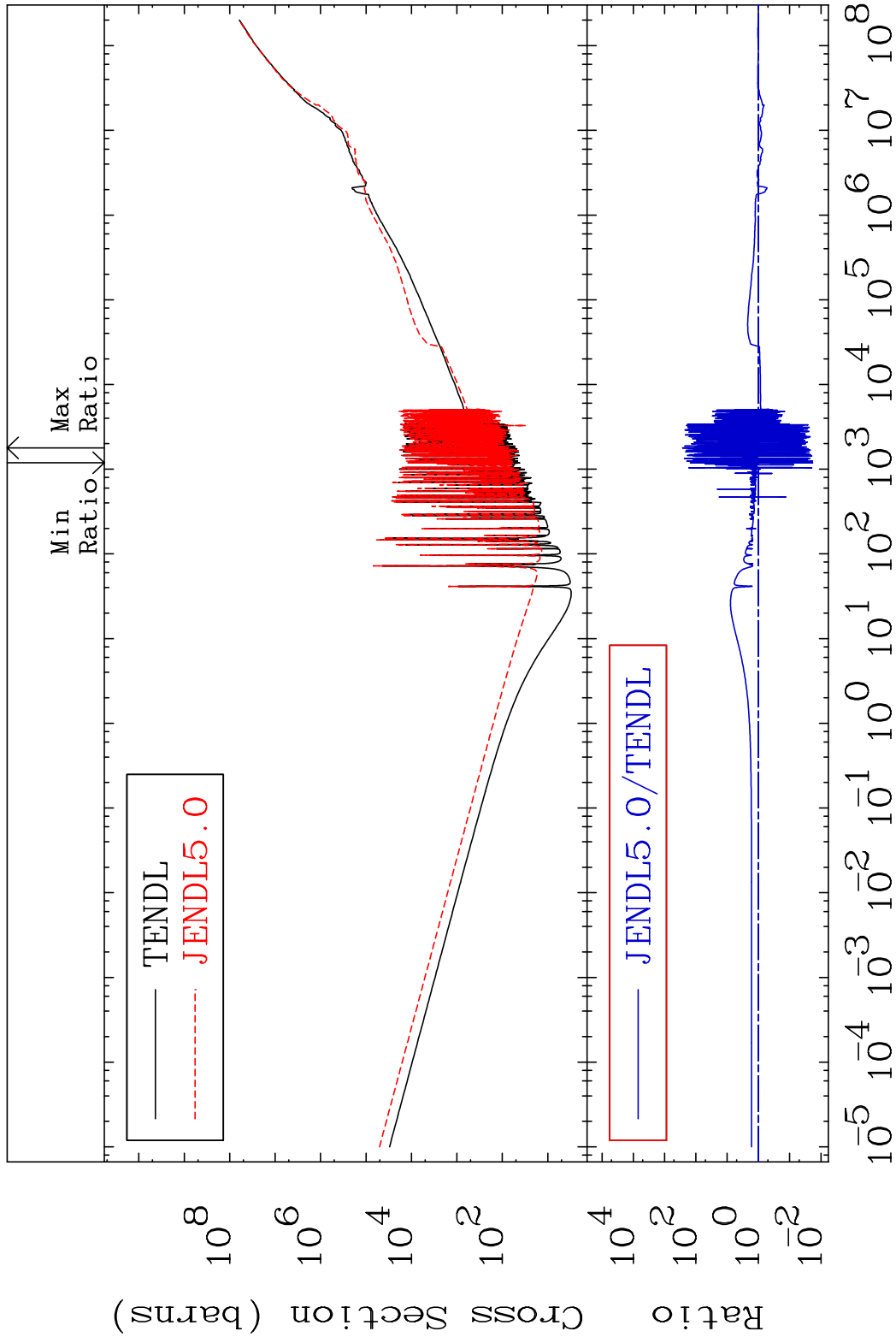


41

Incident Energy (eV)

53-I -129

MAT 5331 Kerma total (eV-barns) 53-I -129
 Cross Section -98.14 To 9999. %



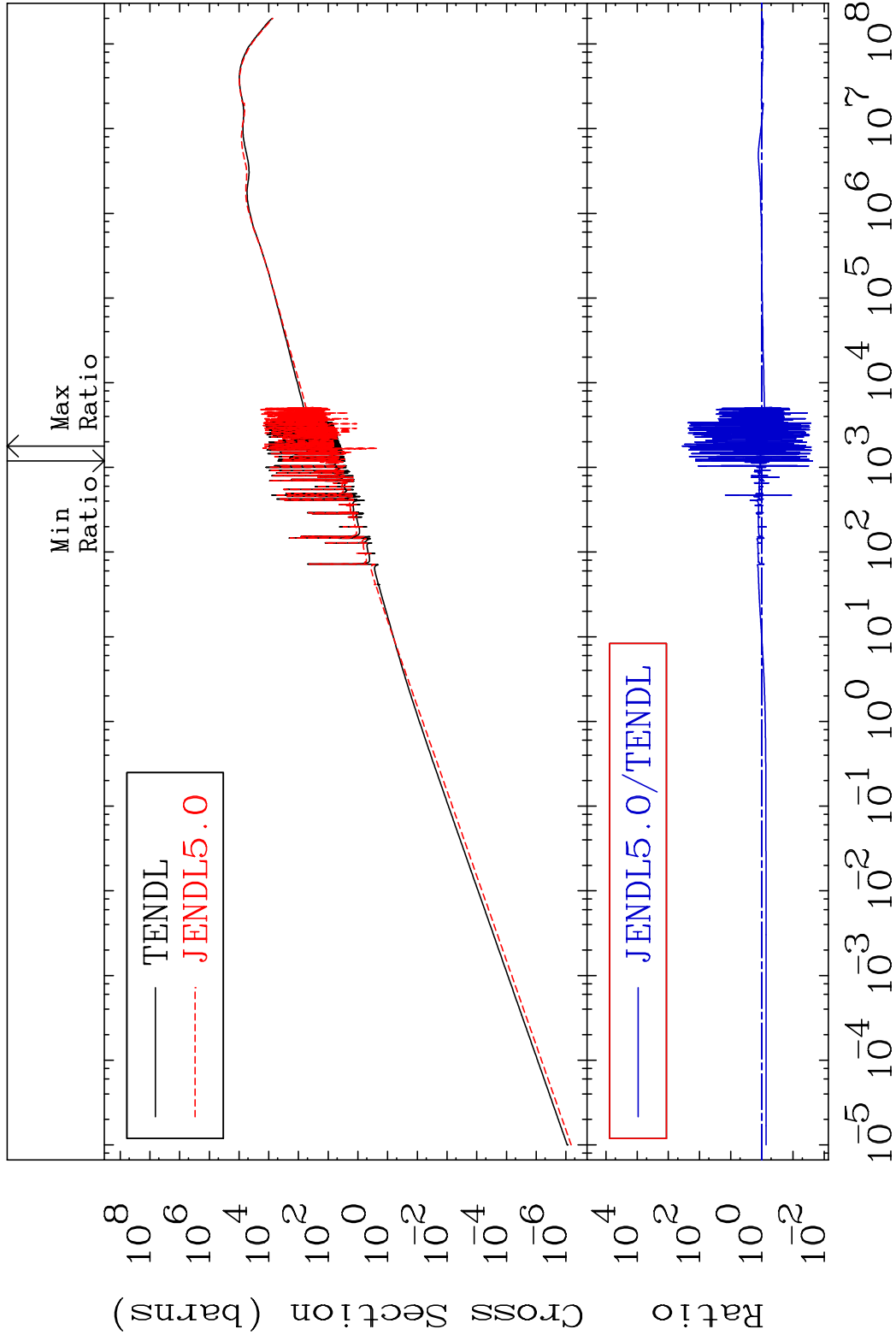
42 Incident Energy (eV) 53-I -129

MAT 5331

Kerma elastic

53-I -129

Cross Section -97.64 To 9999. %

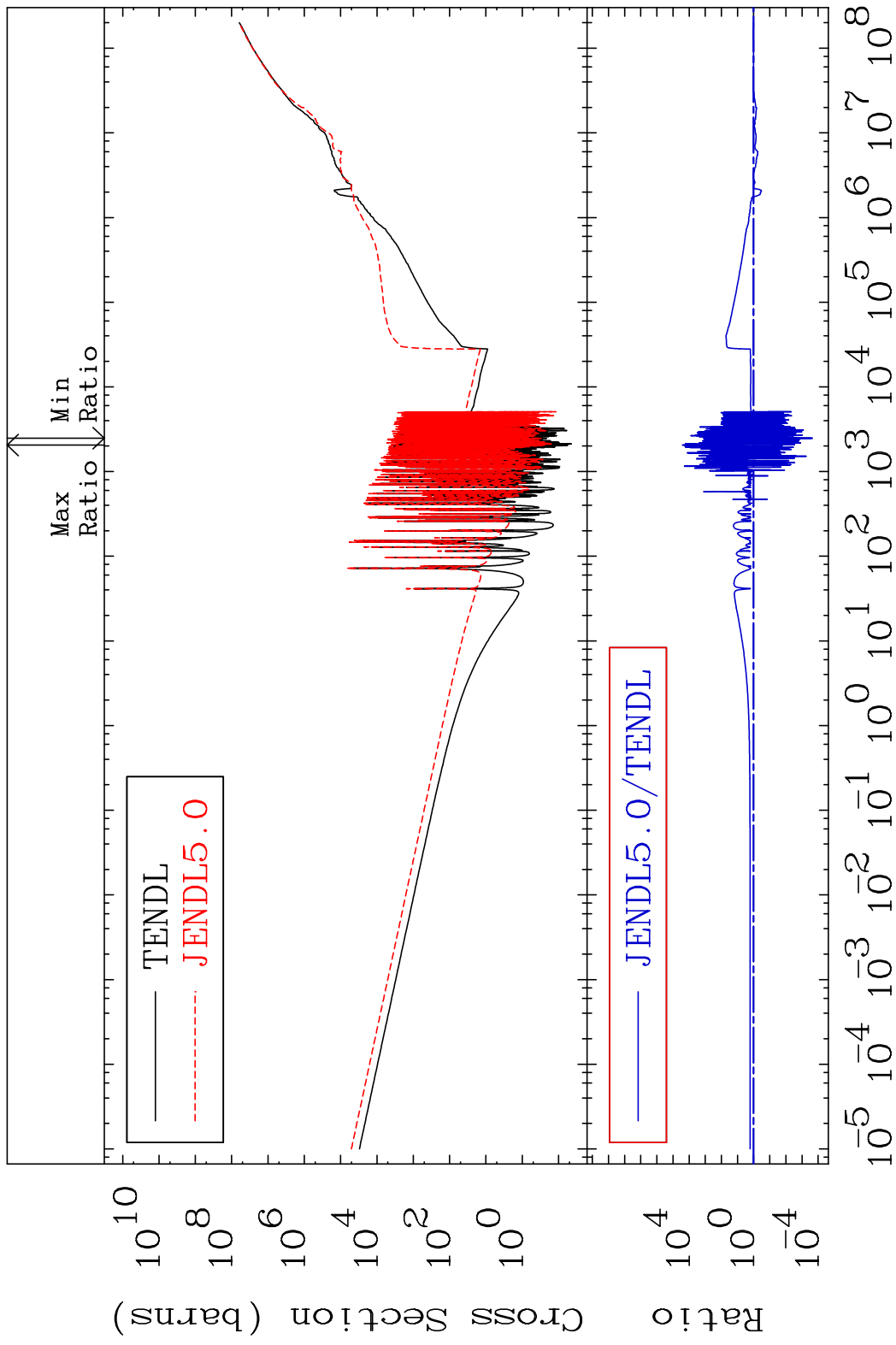


43

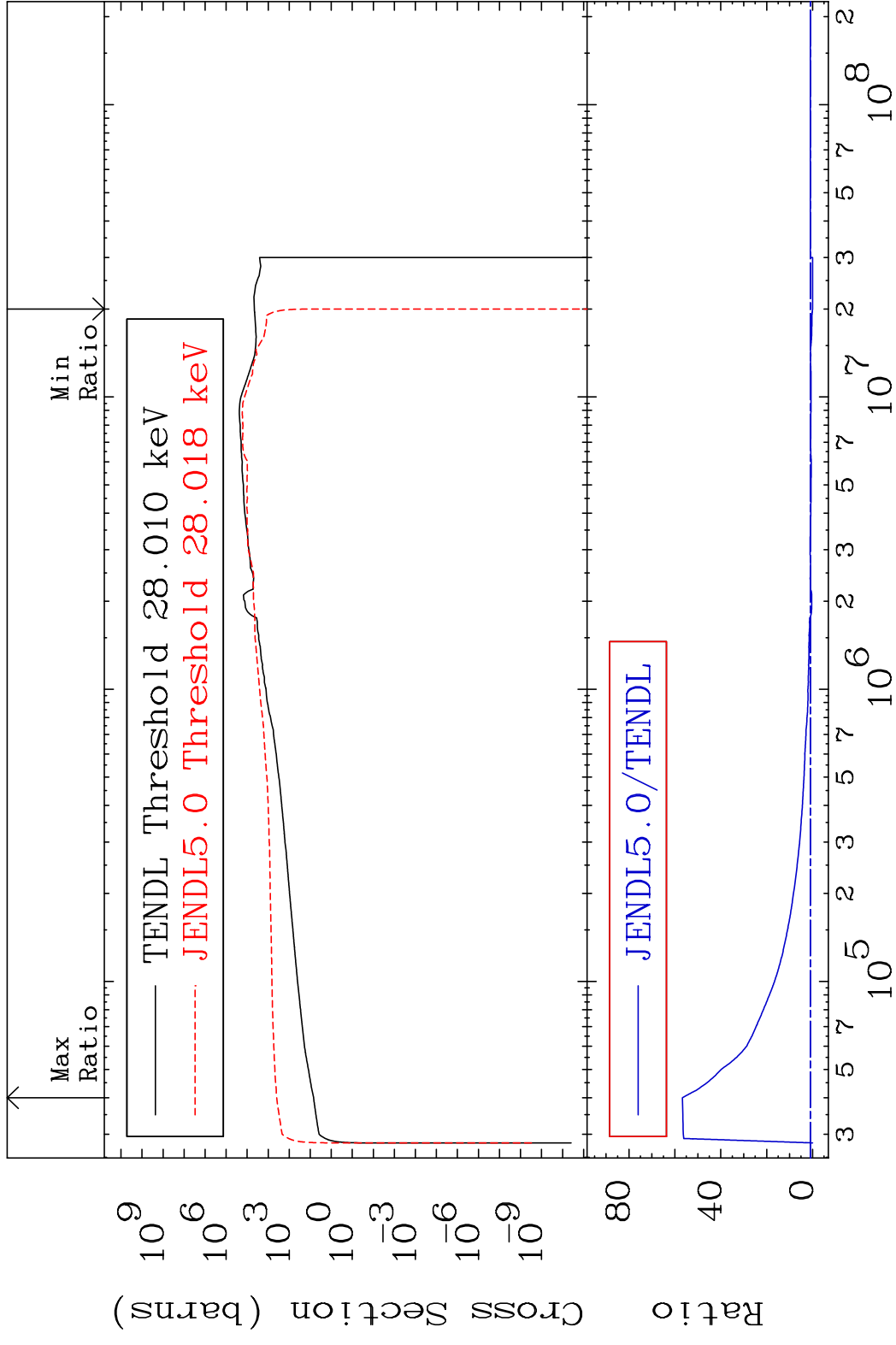
Incident Energy (eV)

53-I -129

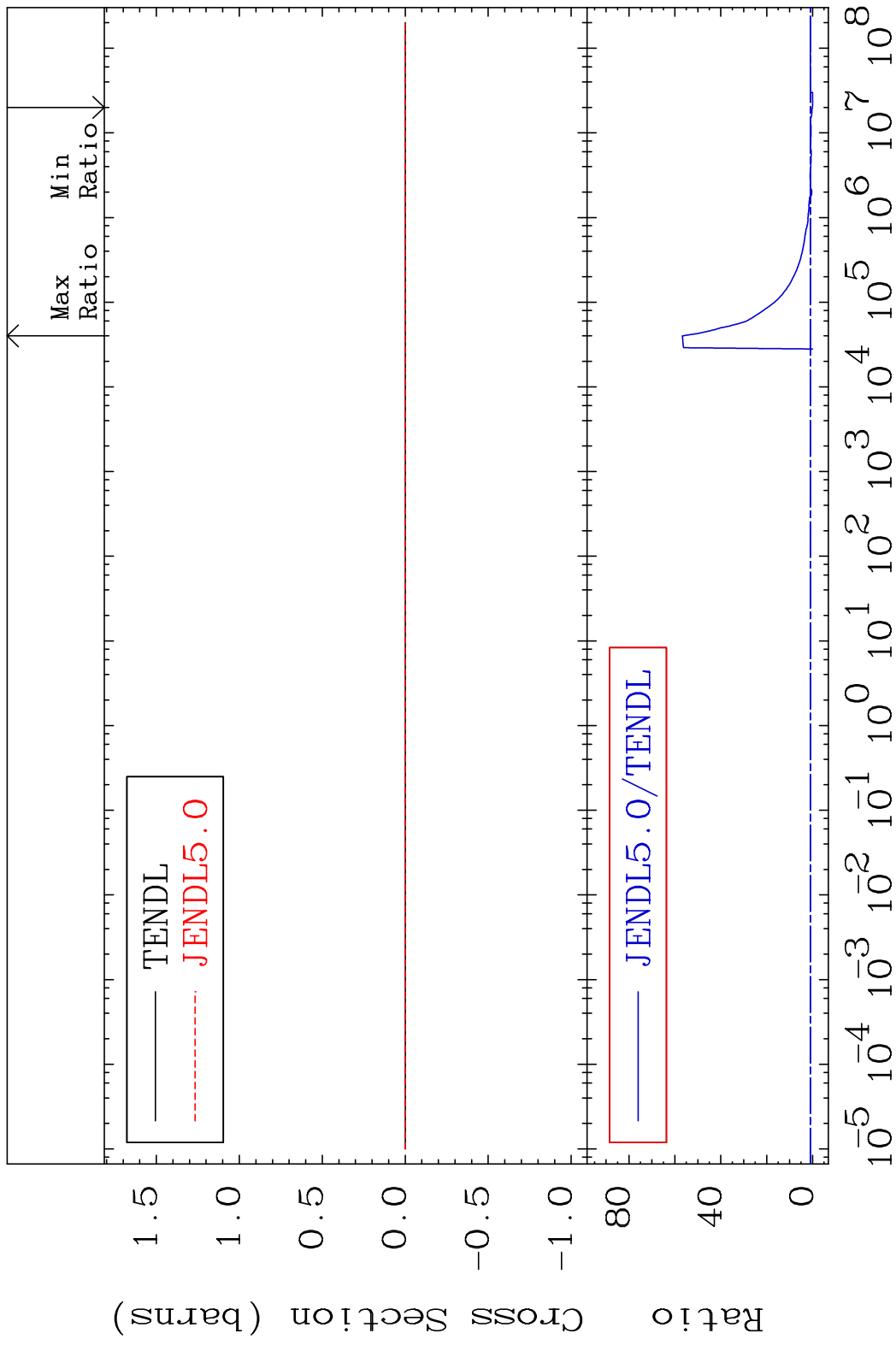
MAT 5331 Kerma non-elastic (all but mt2) 53-I -129
 Cross Section -99.98 To 9999. %



MAT 5331 Kerma inelastic (mt51-91) 53-I -129
 Cross Section -100.2 To 5575. %



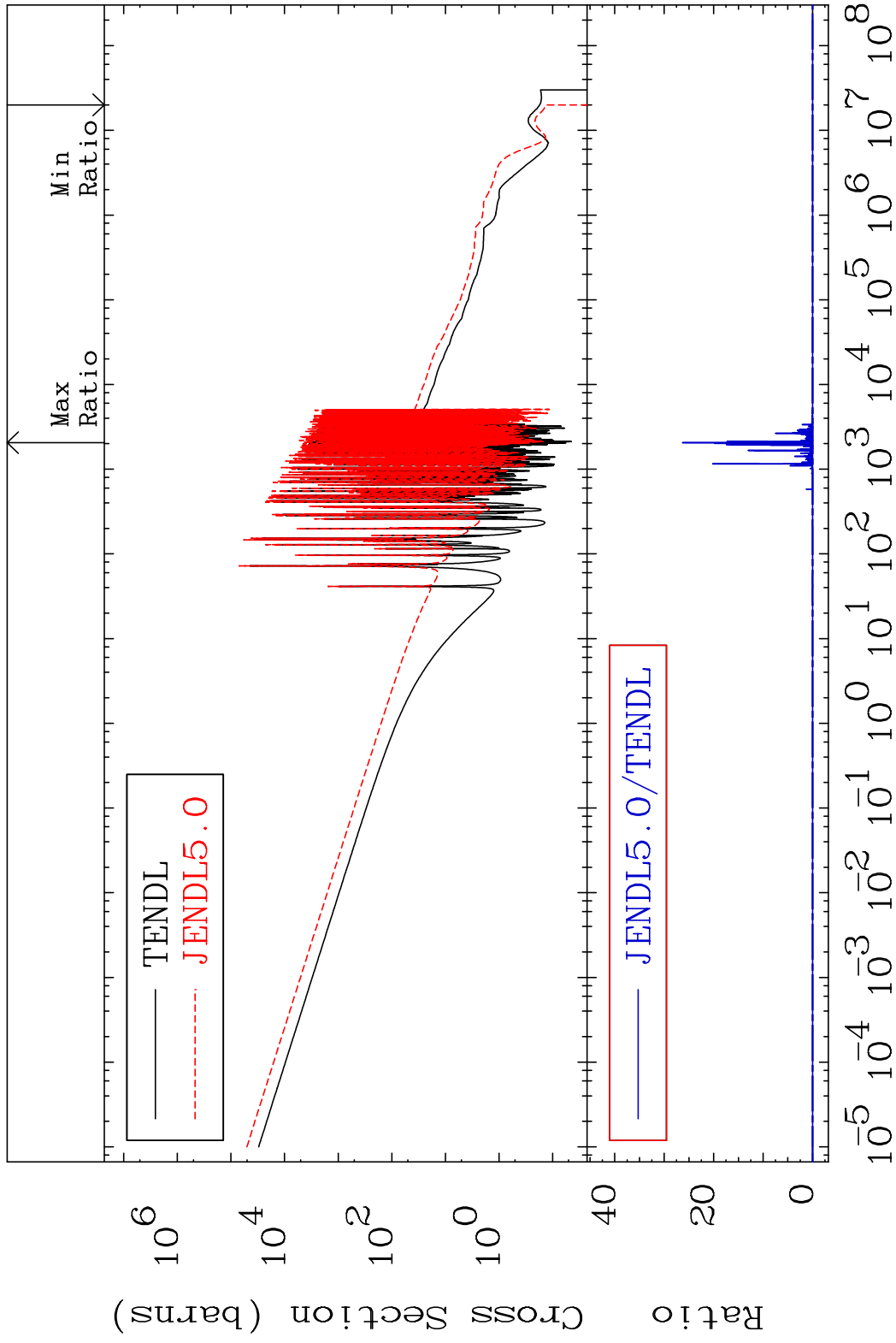
MAT 5331 Kerma fission (mt18 or mt19-20-21-38)53-I -129
 Cross Section -100.2 To 5575. %



MAT 5331

Kerma capture (mt102) 53-I -129

Cross Section -100.0 To 9999. %

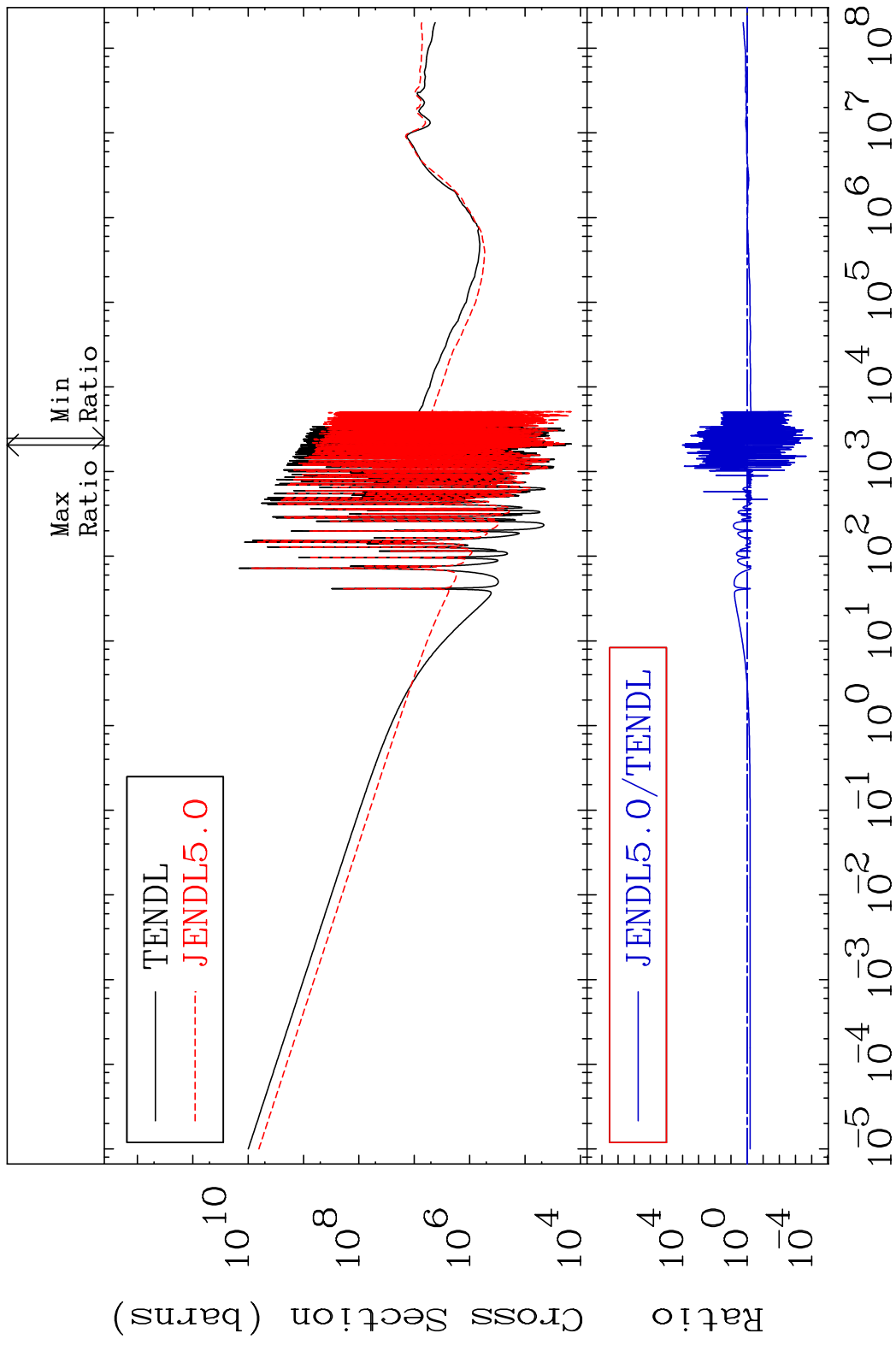


47

Incident Energy (eV)

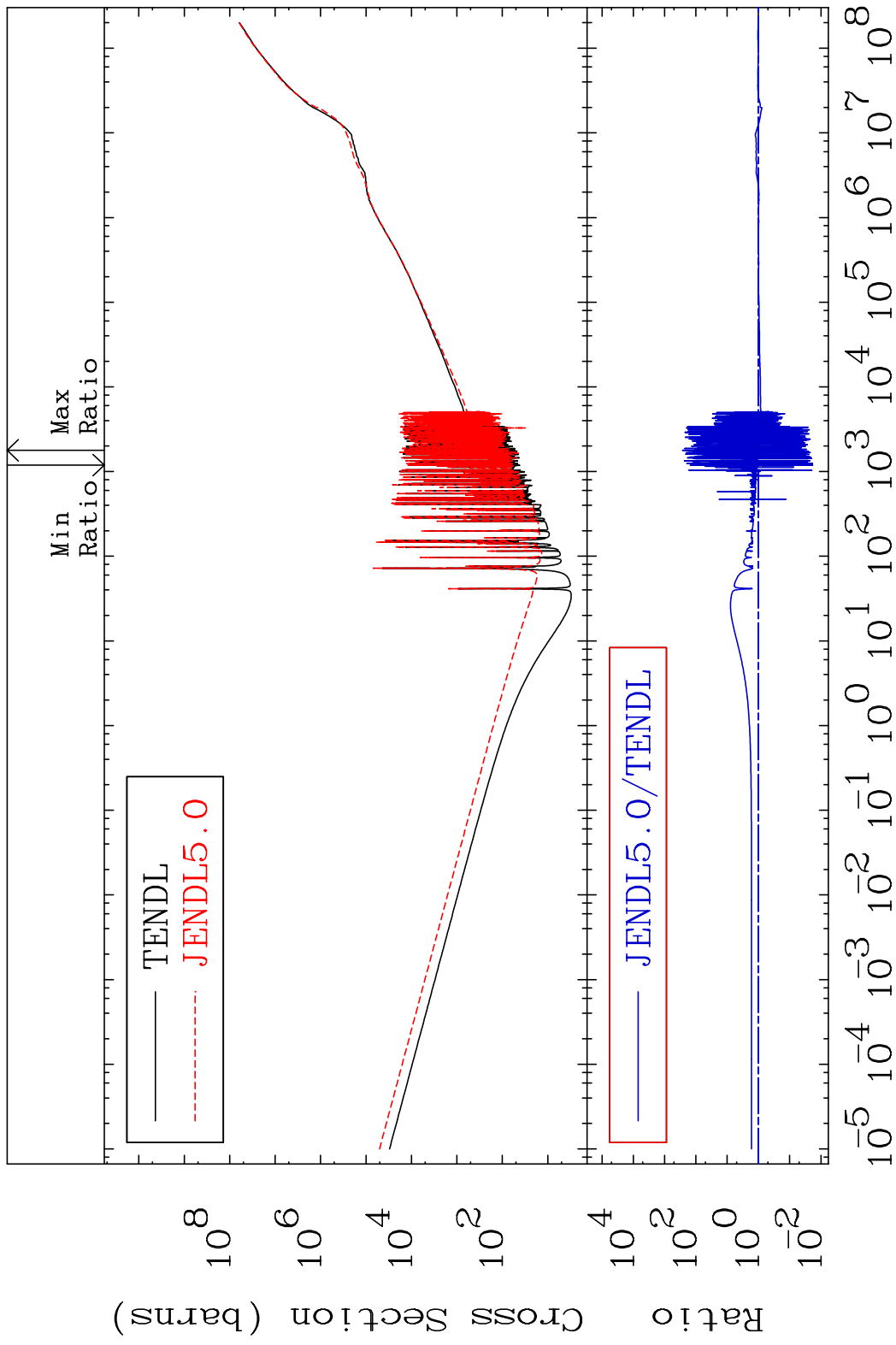
53-I -129

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



48 Incident Energy (eV) 53-I -129

MAT 5331 Total kinematic kerma (high limit) 53-I -129
 Cross Section -98.14 To 9999. %

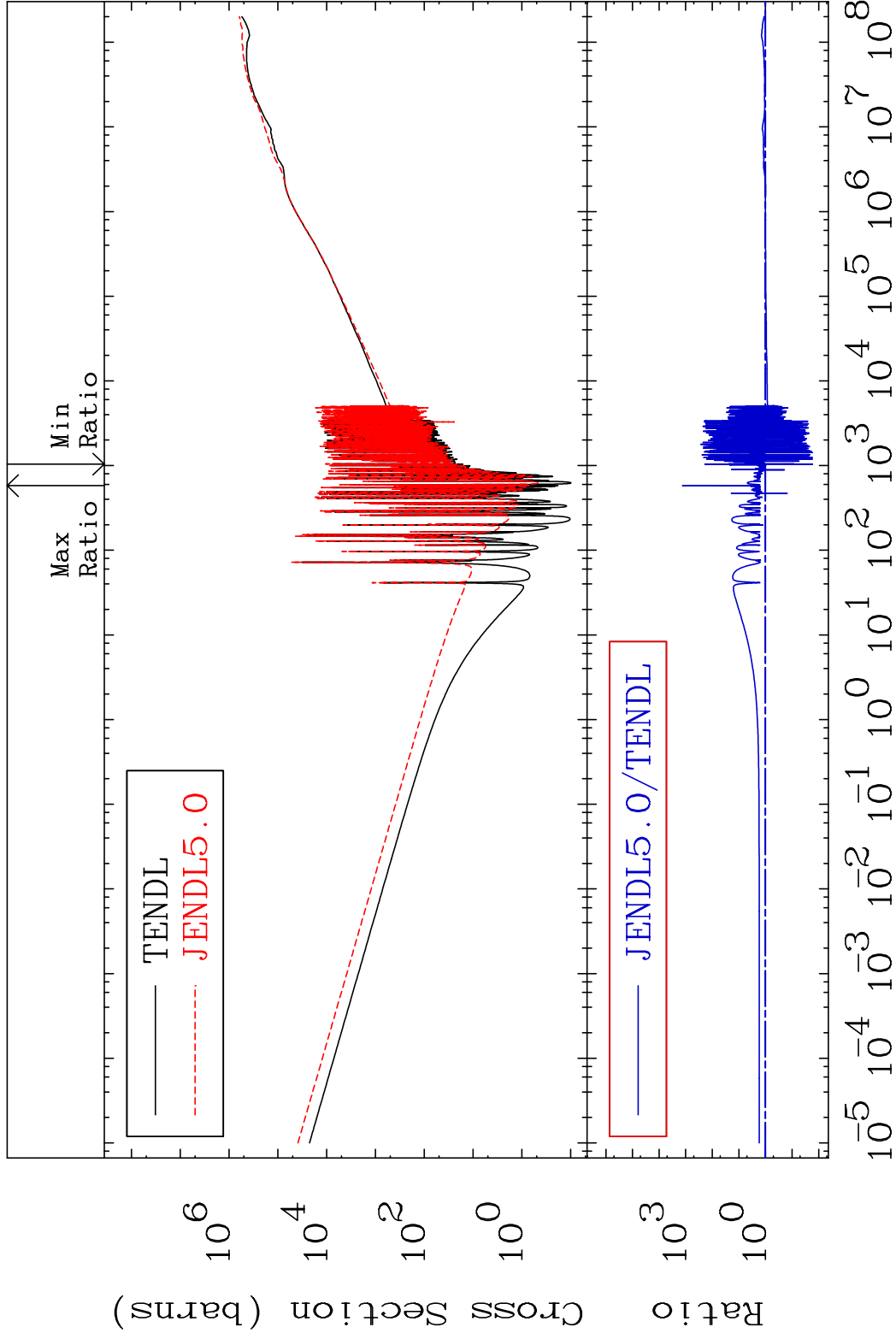


MAT 5331

Dpa total (eV-barns)

53-I -129

Cross Section -98.30 To 9999. %



50

Incident Energy (eV)

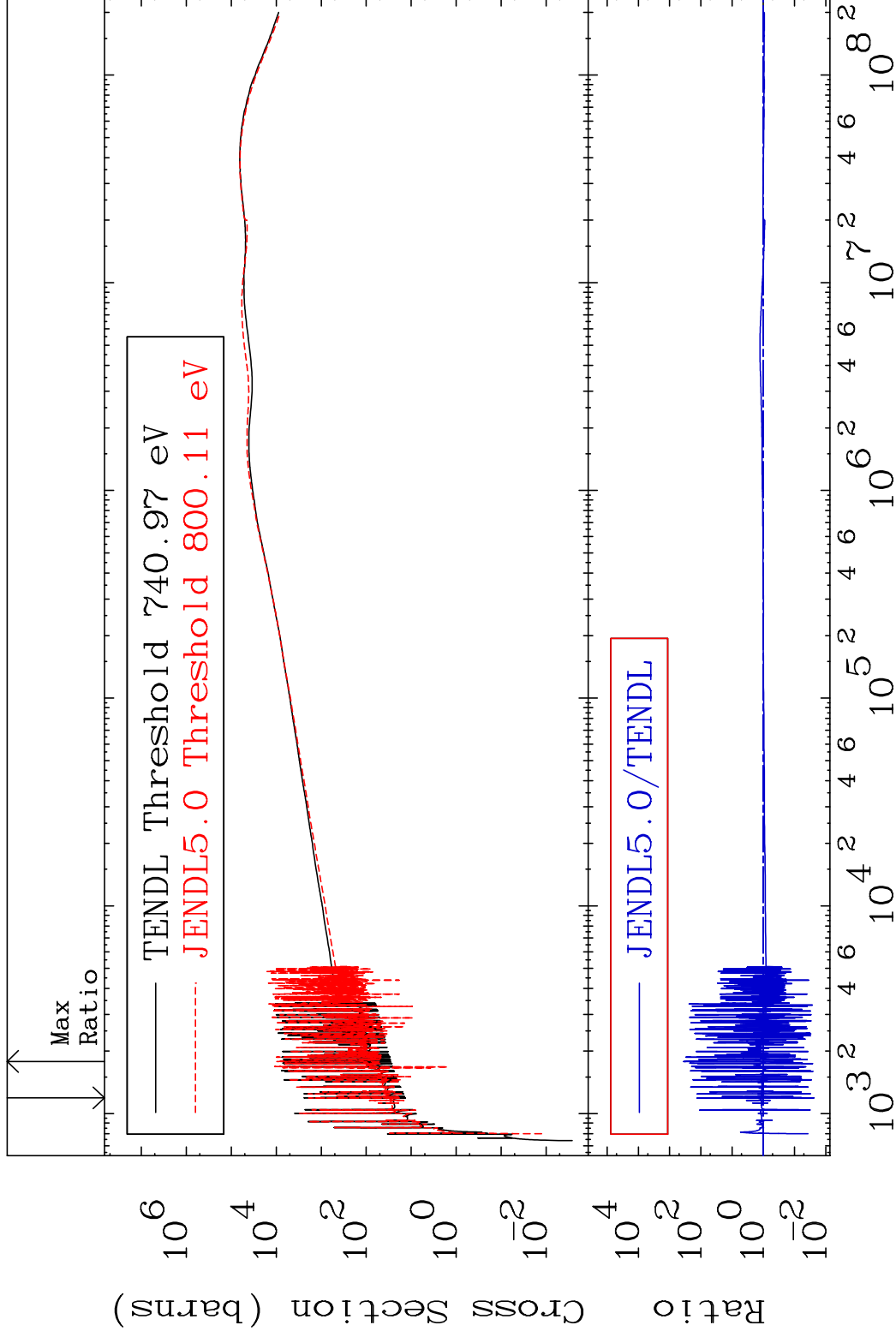
53-I -129

MAT 5331

Dpa elastic (mt2)

53-I -129

Cross Section -97.64 To 9999. %

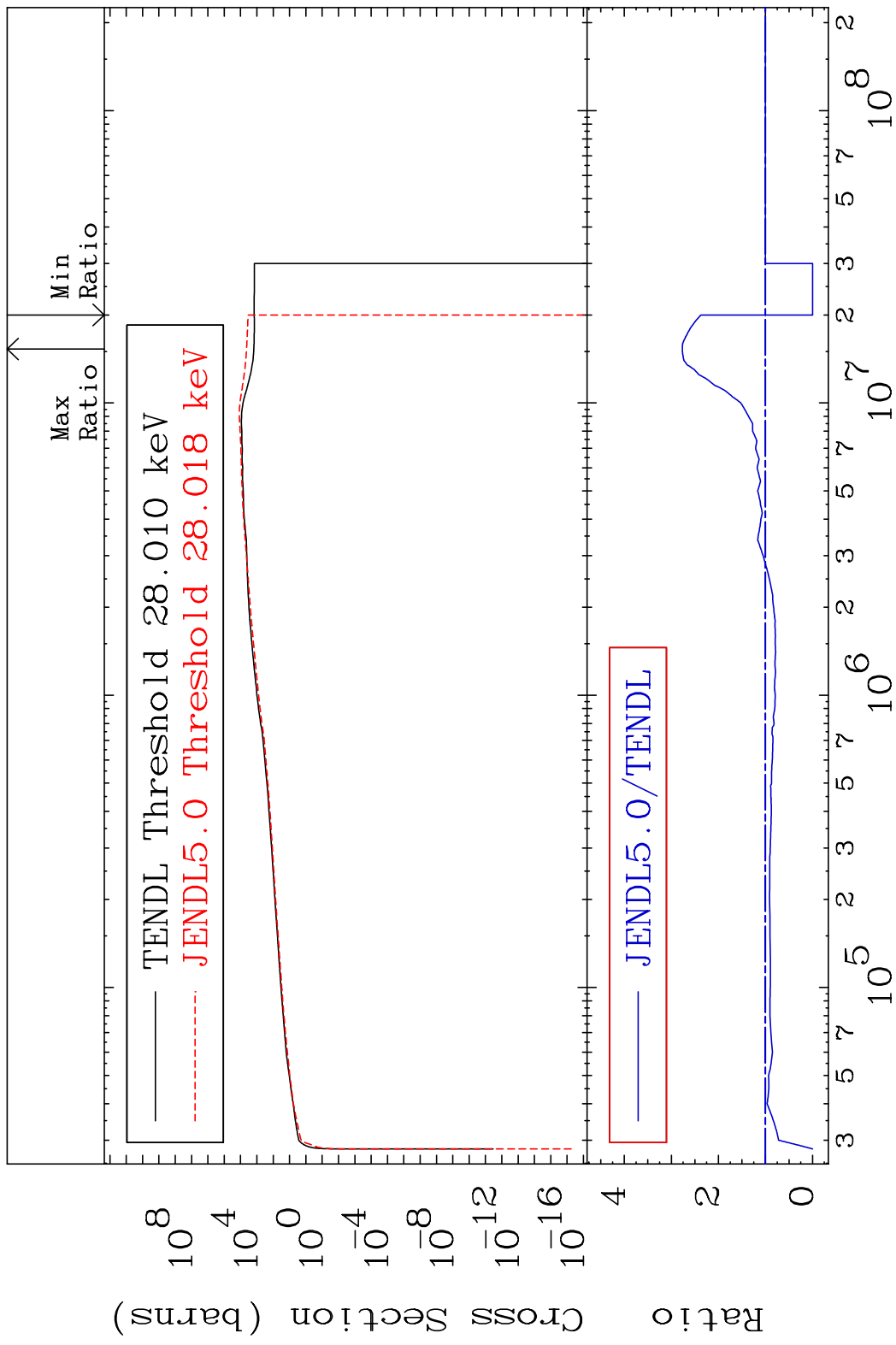


51

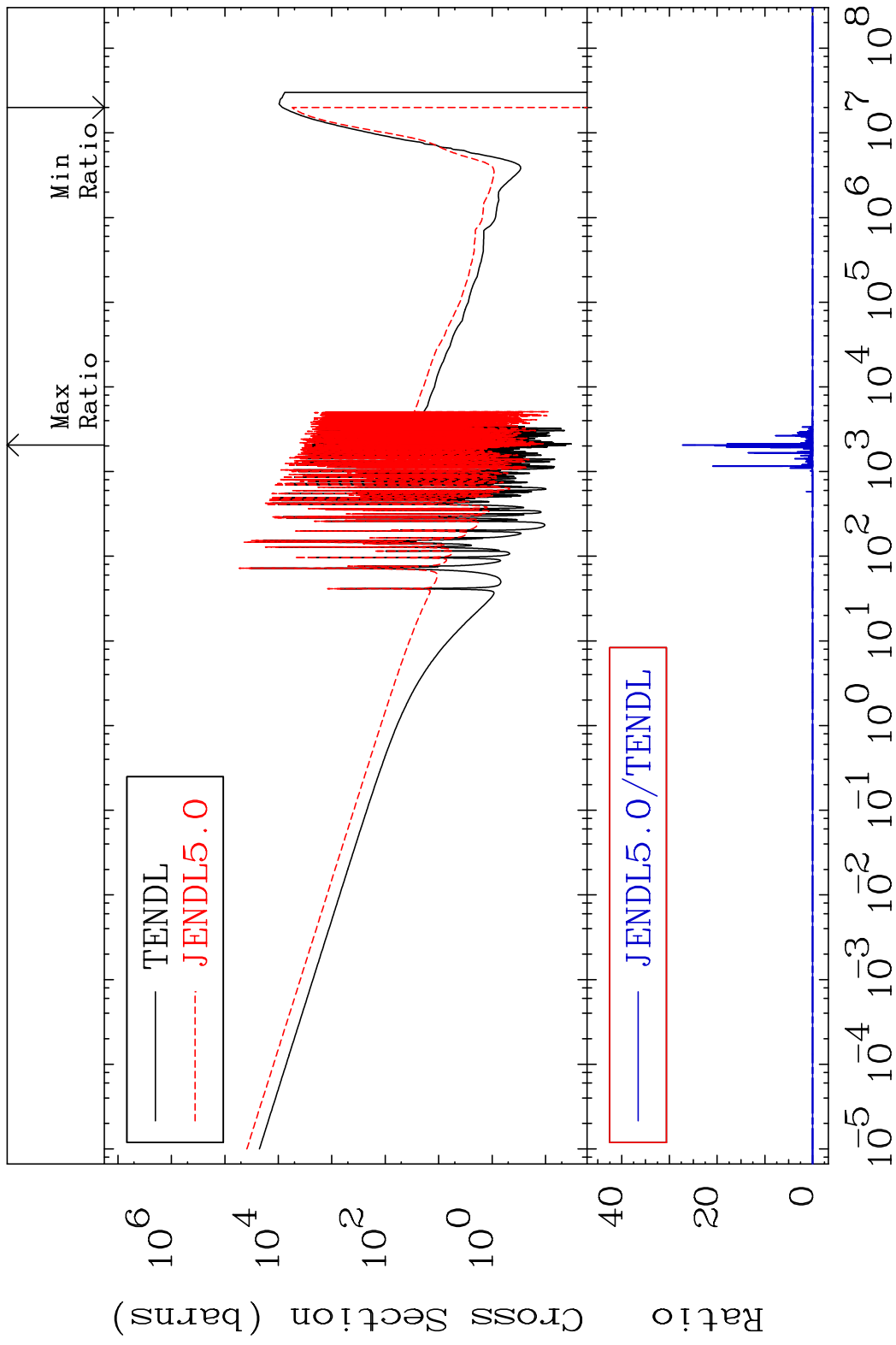
Incident Energy (eV)

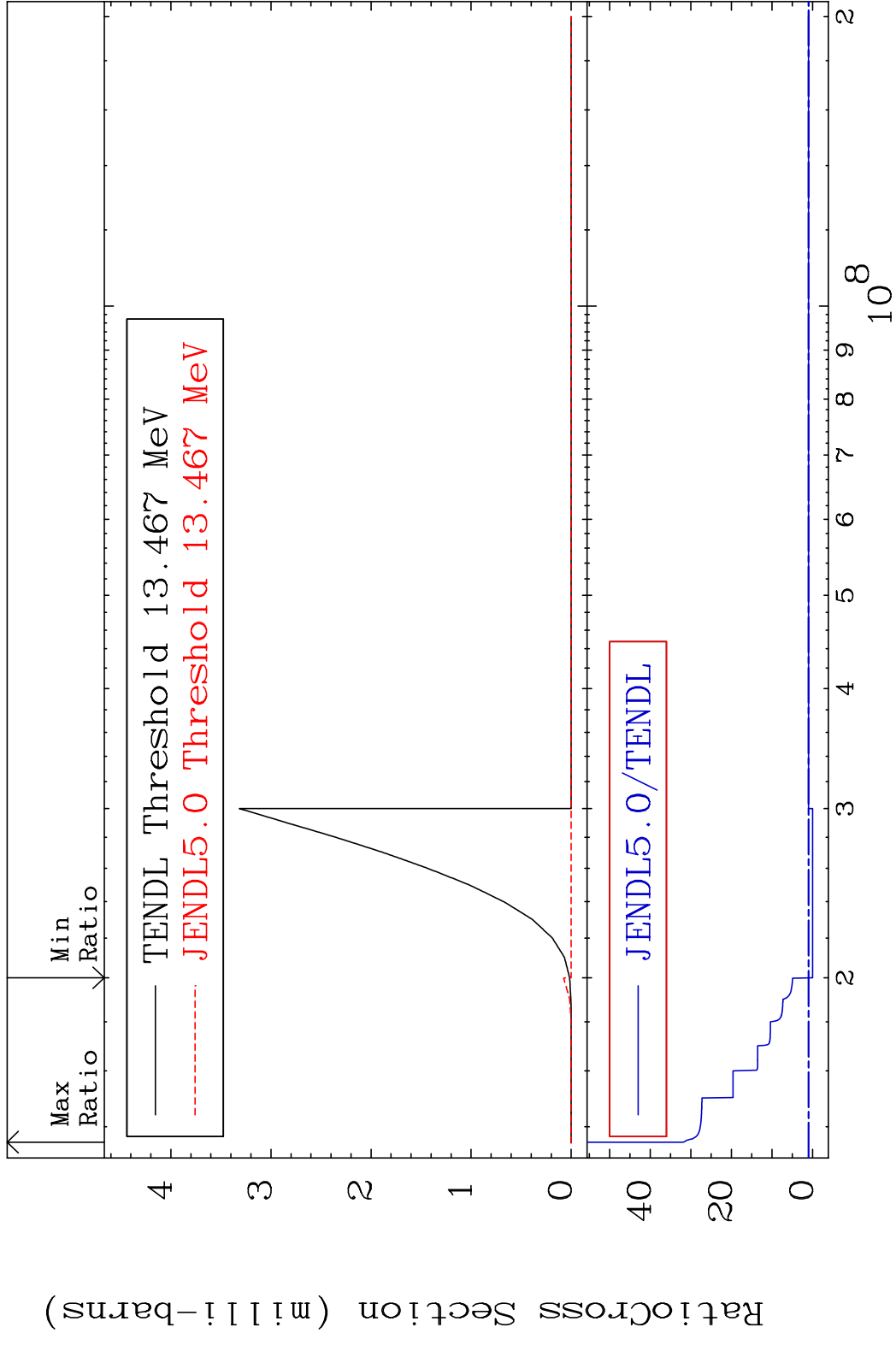
53-I -129

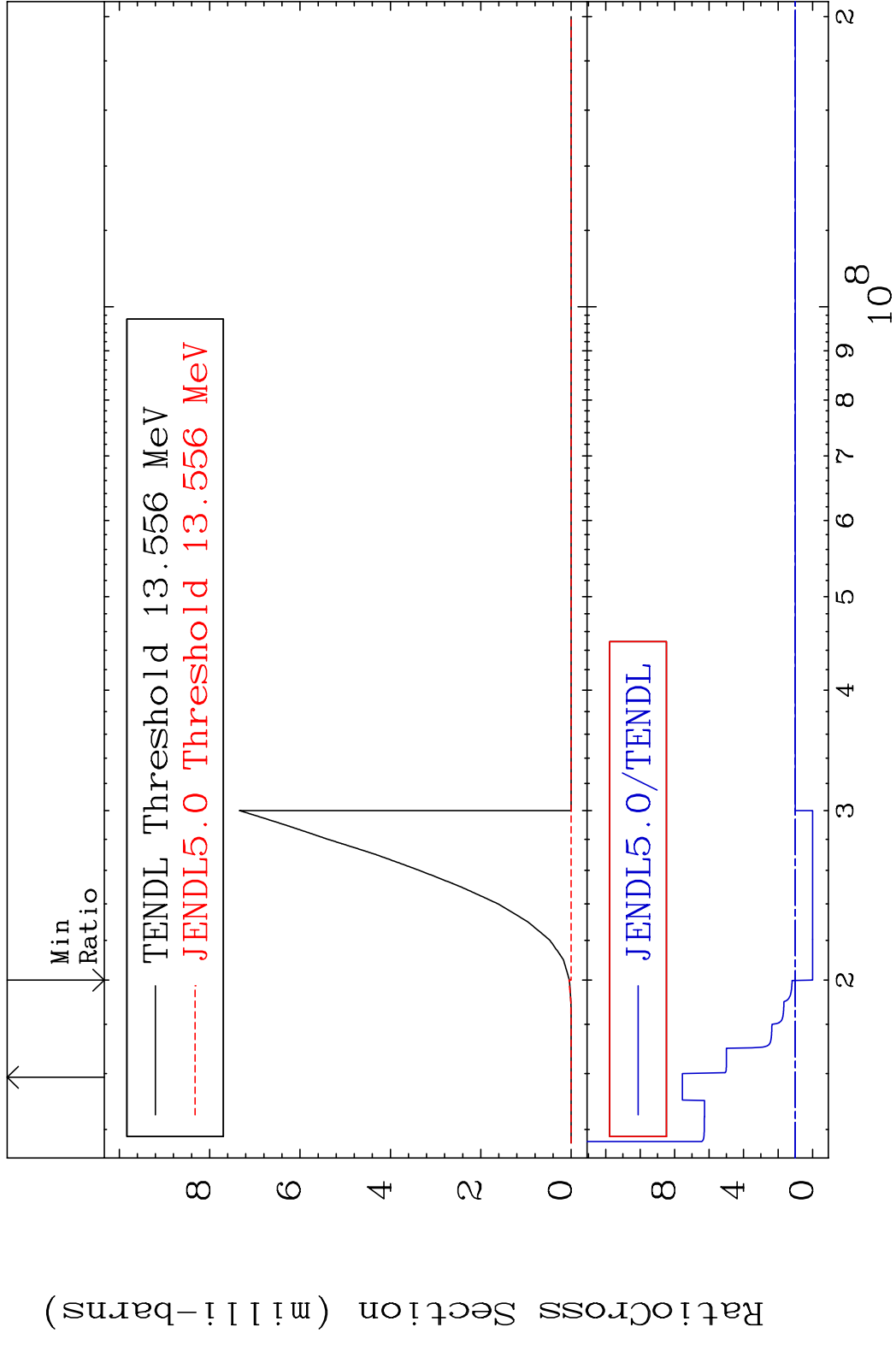
MAT 5331 Dpa inelastic (mt51-91) 53-I -129
 Cross Section -100.0 To 176.6 %

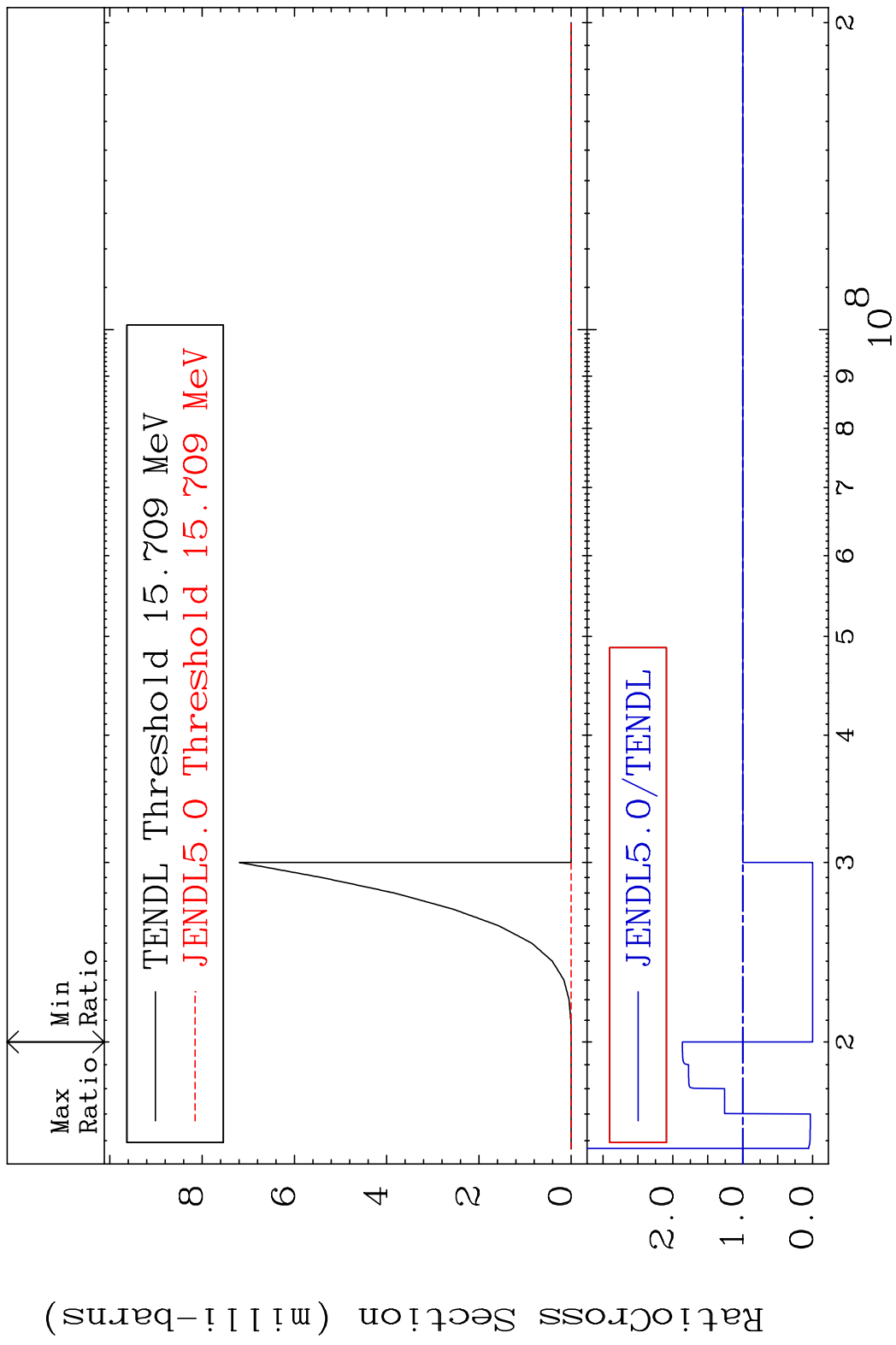


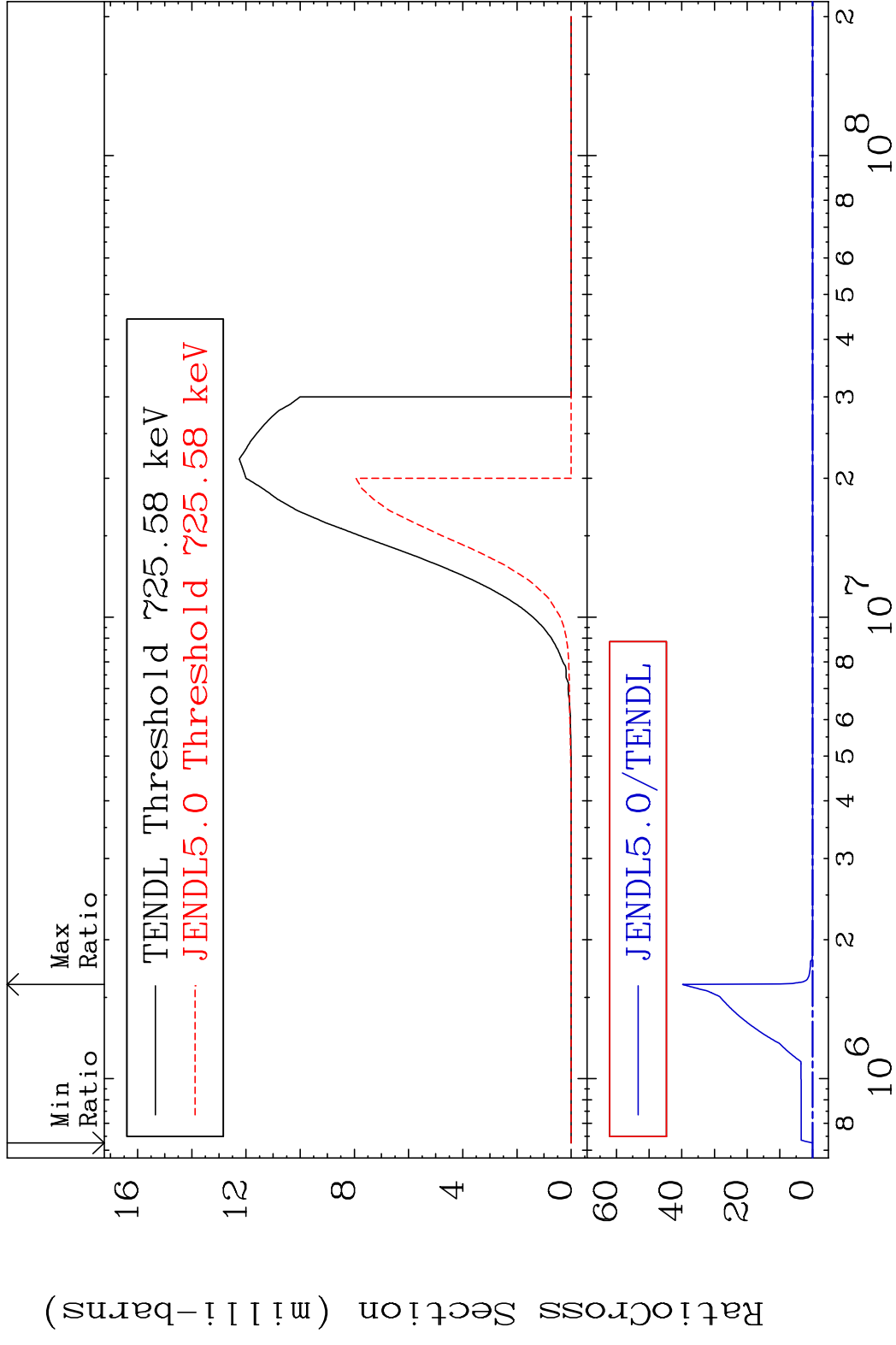
MAT 5331 Dpa disappearance (mt102 -120) 53-I -129
 Cross Section -100.0 To 9999. %



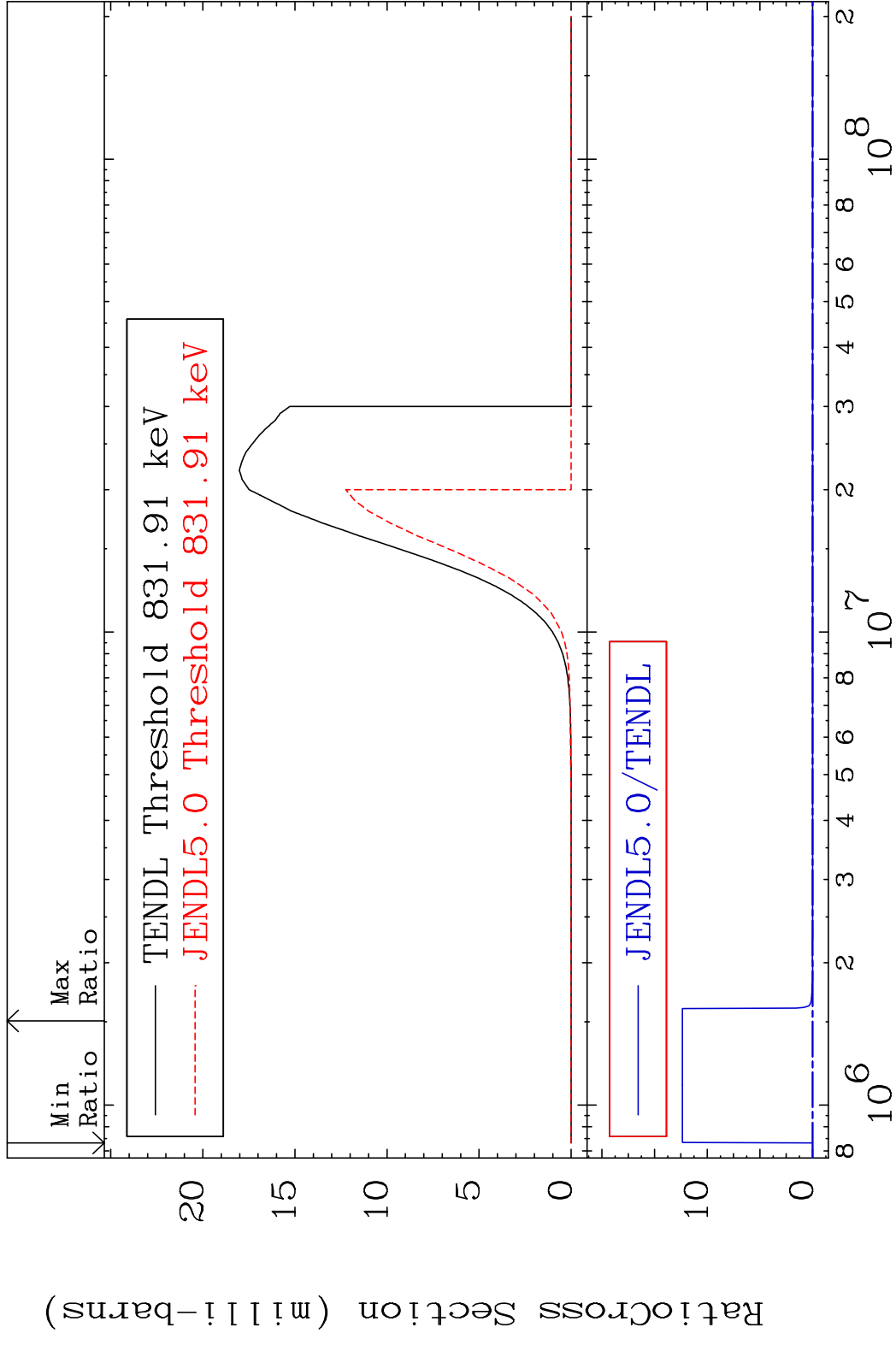






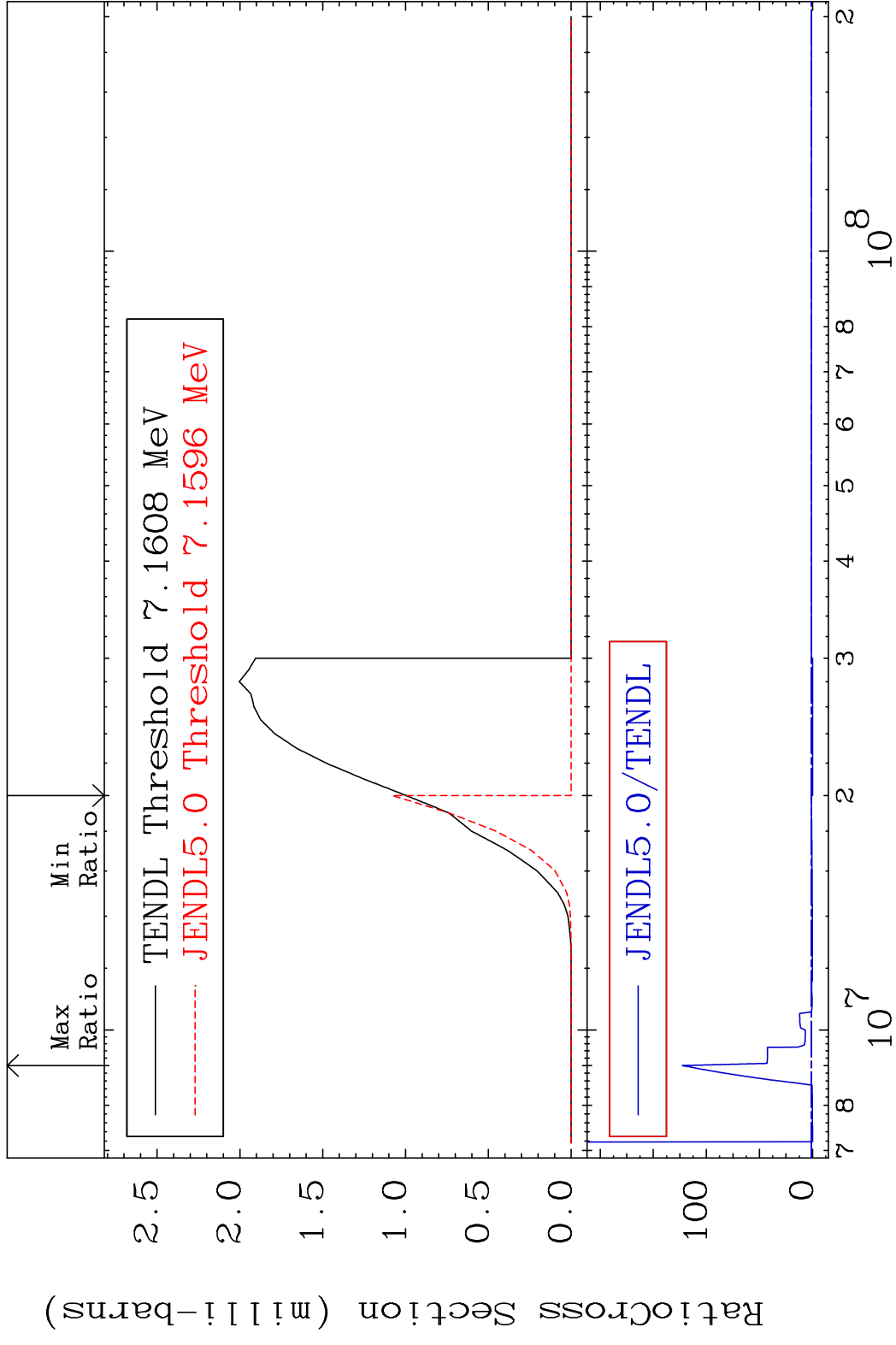


MAT 5331 (n, p):52-Te-129m1 53-I -129
 Radionuclide Production Cross Section to 9999. %

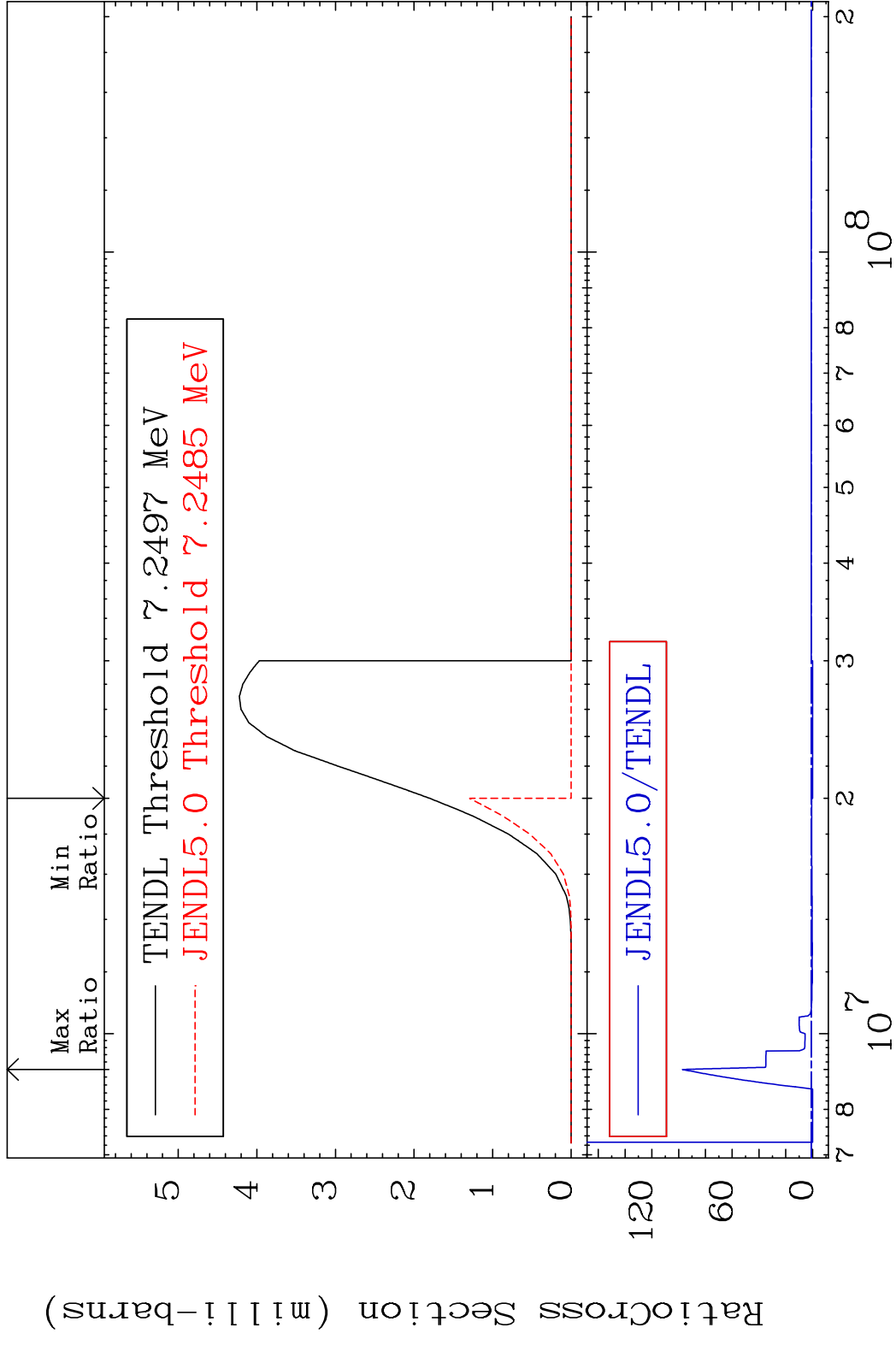


59 Incident Energy (eV) 53-I -129

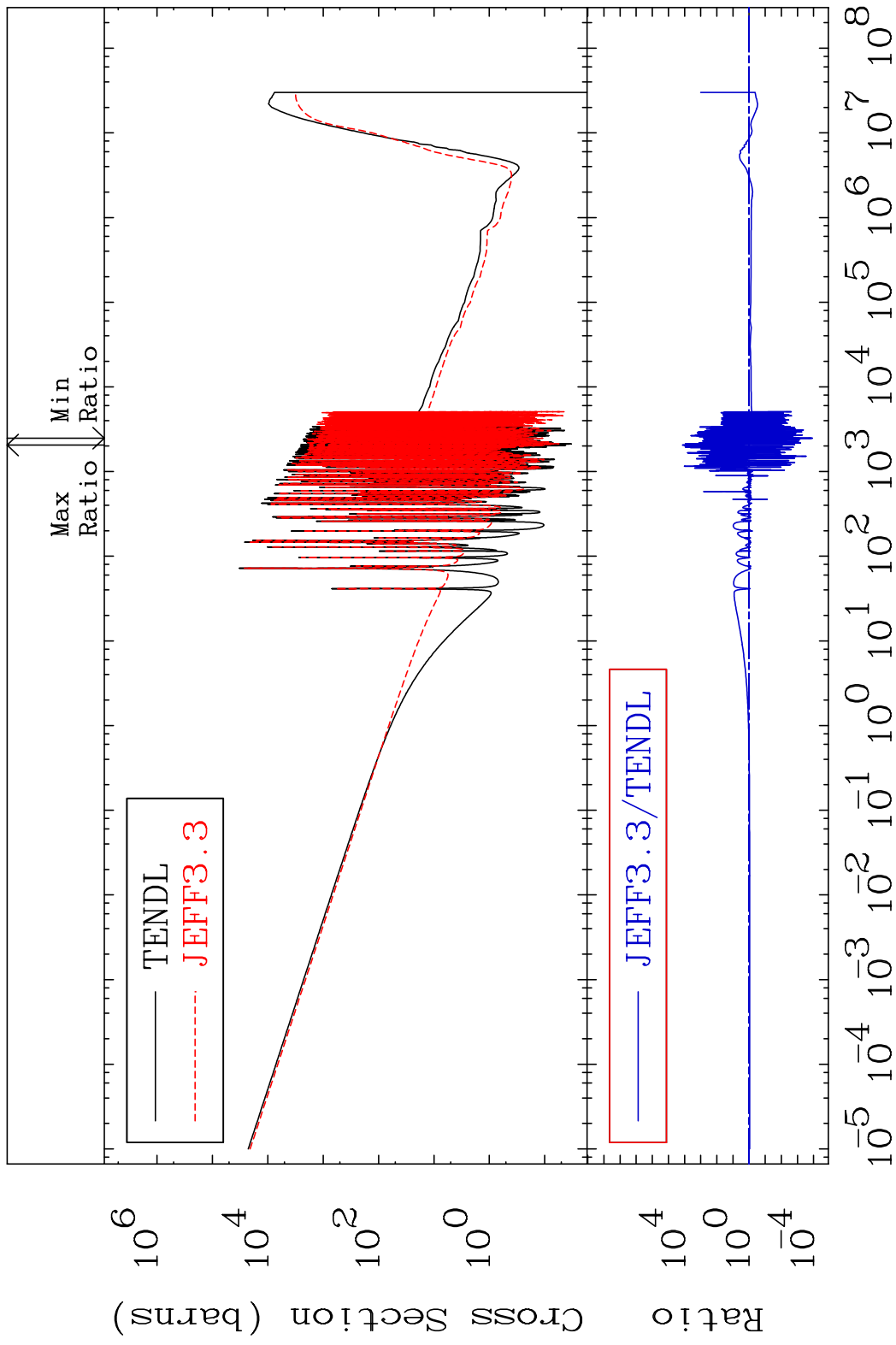
MAT 5331 (n,t):52-Te-127g 53-I -129
 Radionuclide Production Cross Section 100.00 dth 9999. %



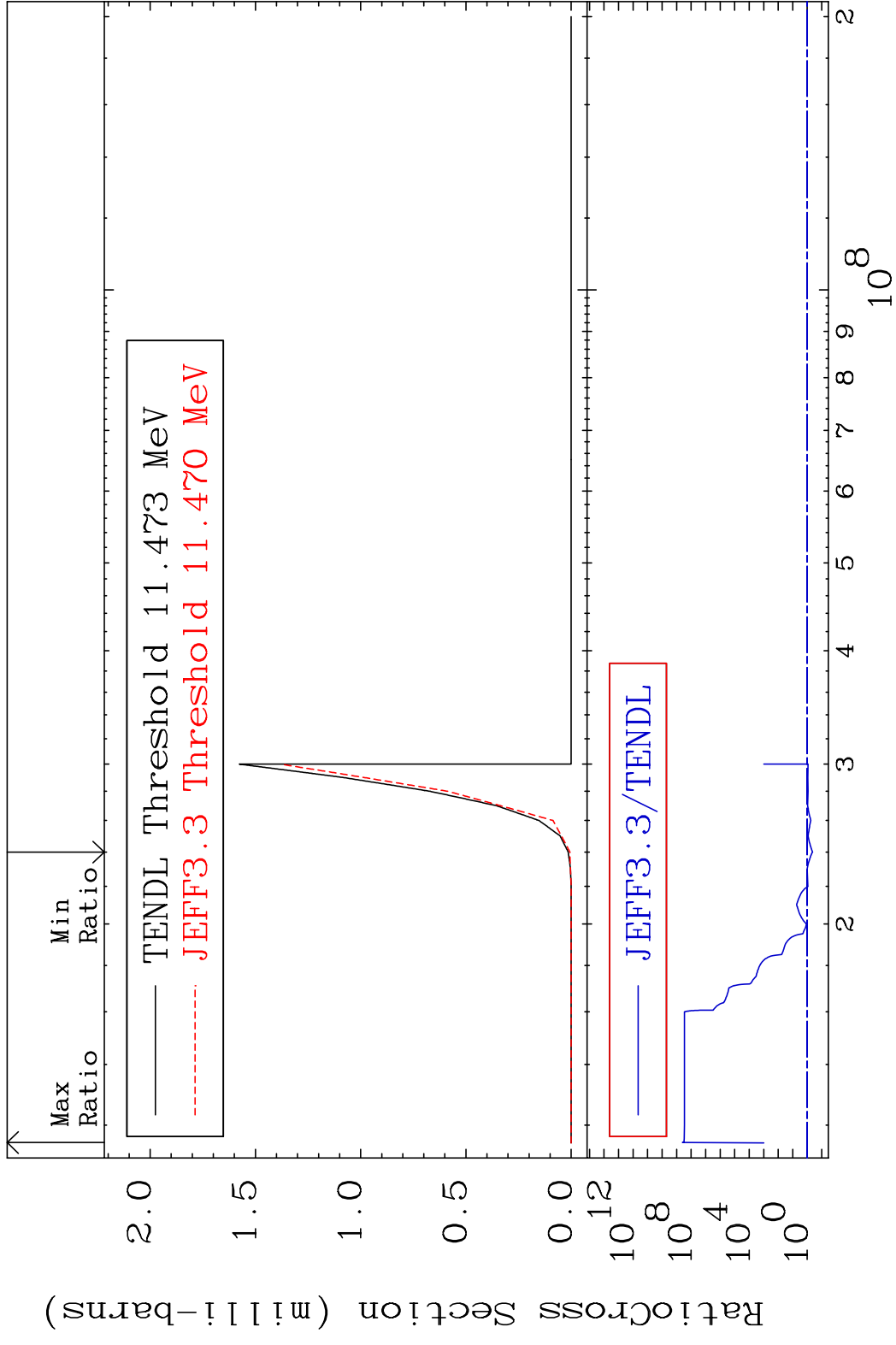
MAT 5331 (n, t):52-Te-127m2 53-I -129
 Radionuclide Production Cross Section 18000 dth 9622. %

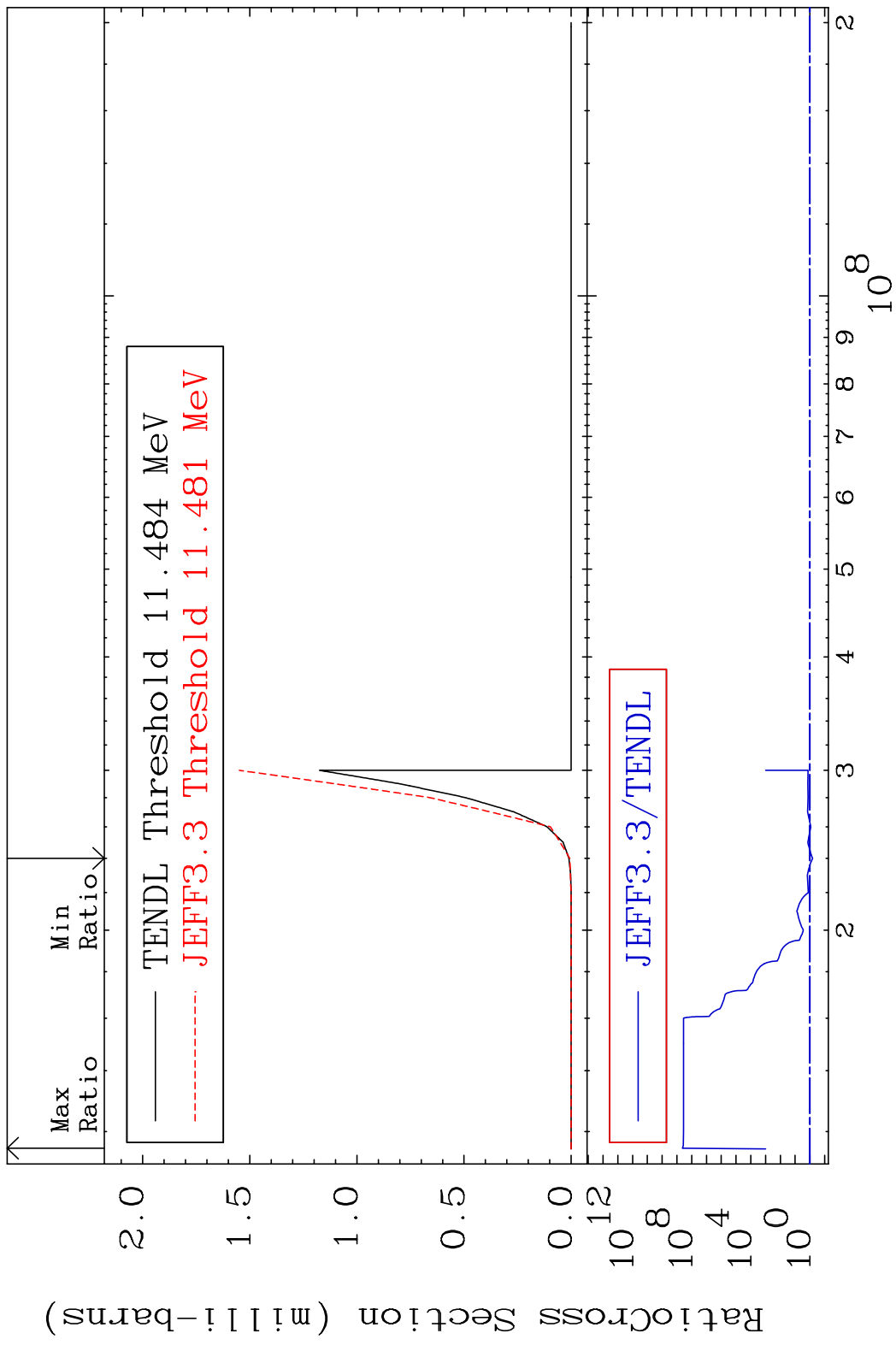


MAT 5331 Dpa disappearance (mt102 -120) 53-I -129
 Cross Section -99.99 To 9999. %

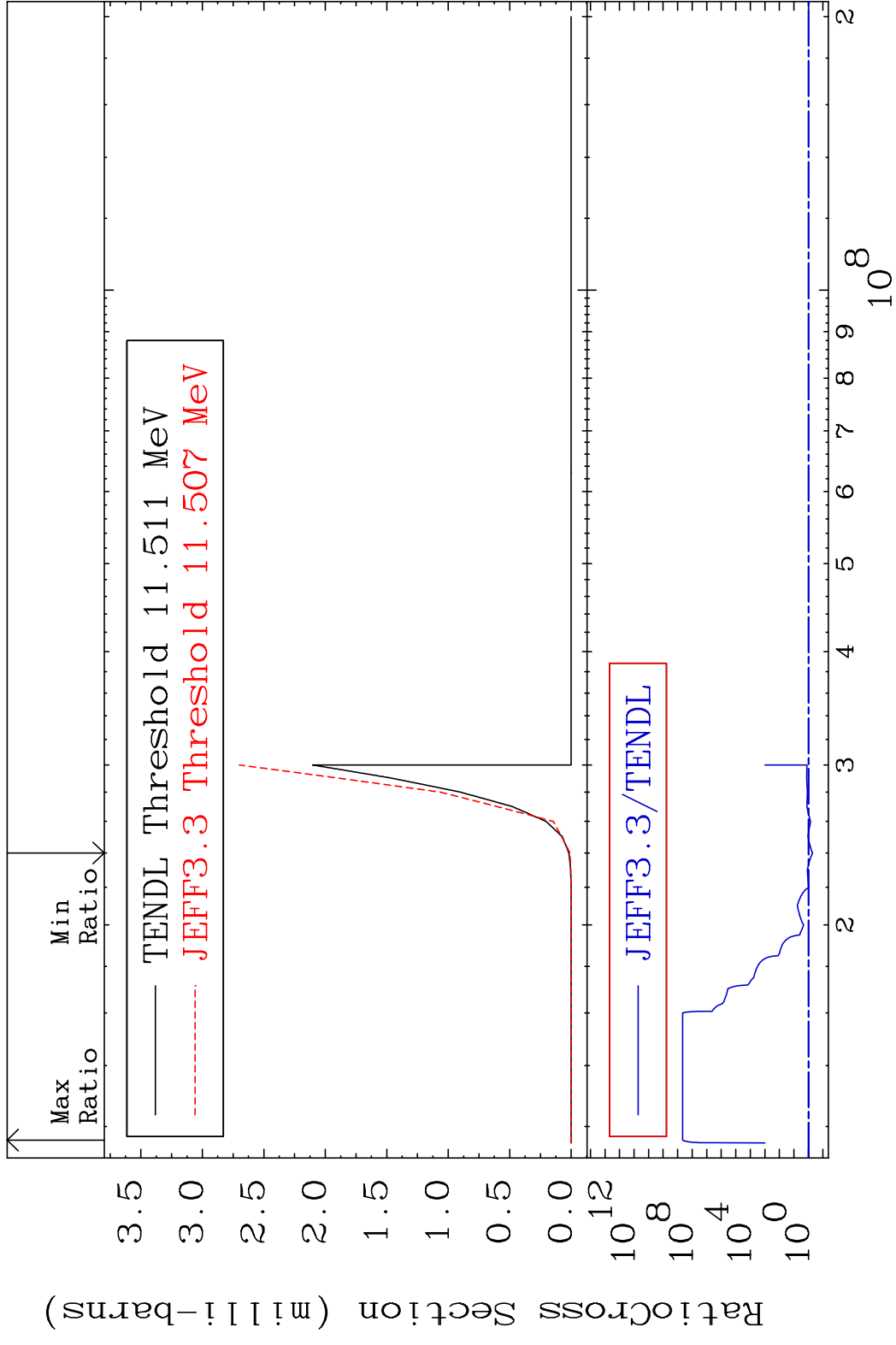


62 Incident Energy (eV) 53-I -129

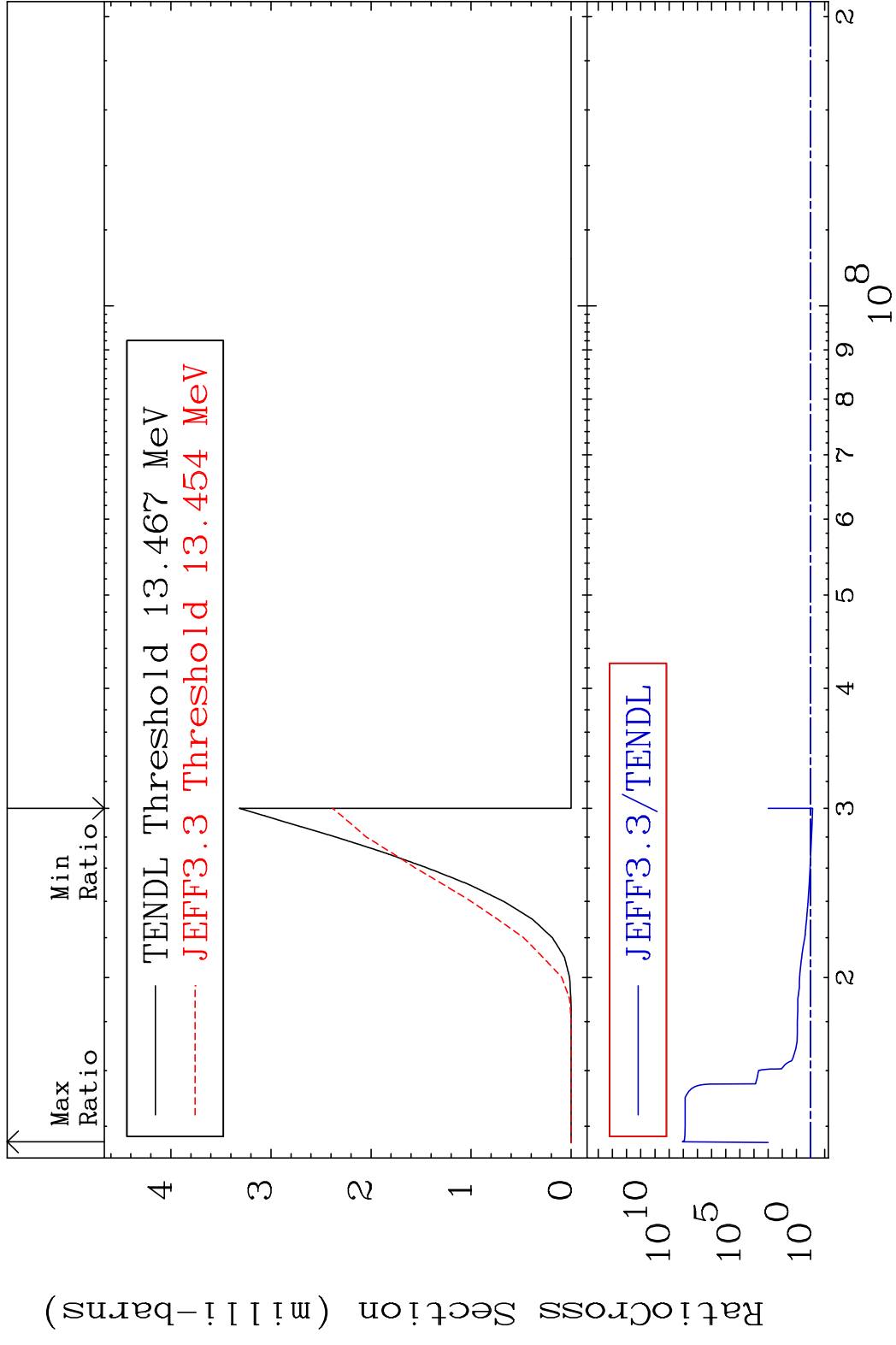


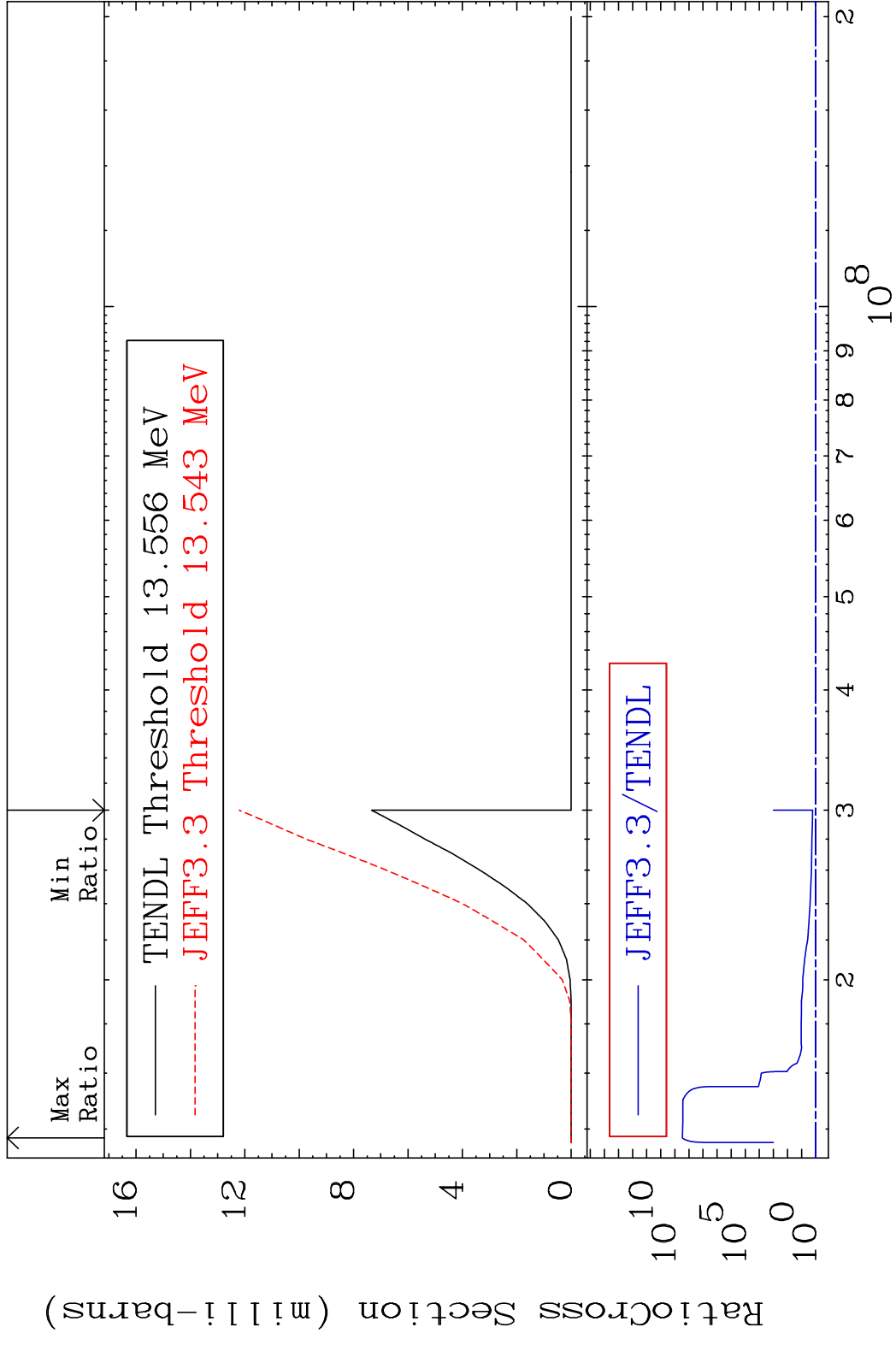


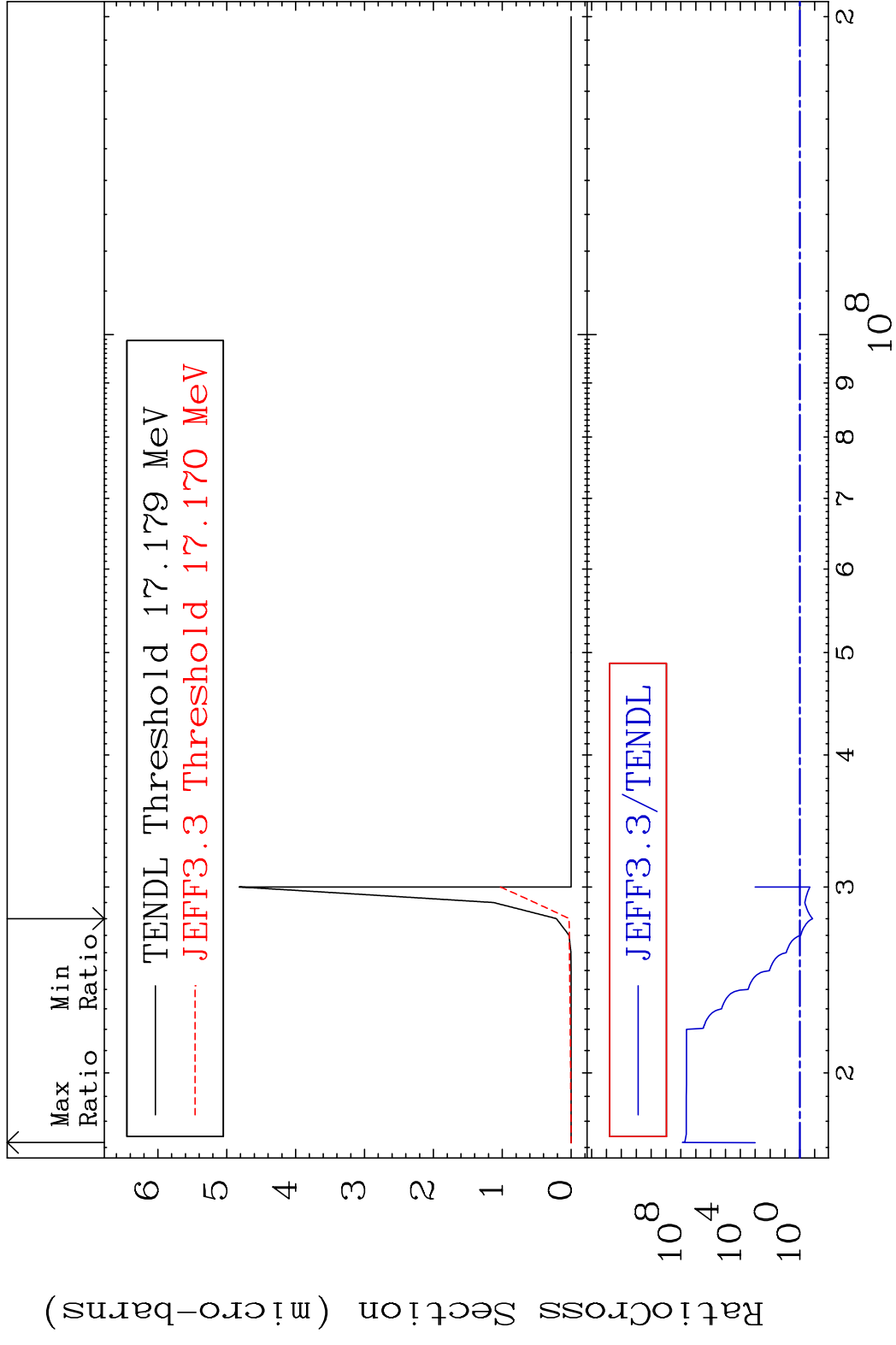
MAT 5331 (n,2n) α :51-Sb-124m2 53-I -129
 Radionuclide Production Cross Section 48e001d10 9999. %

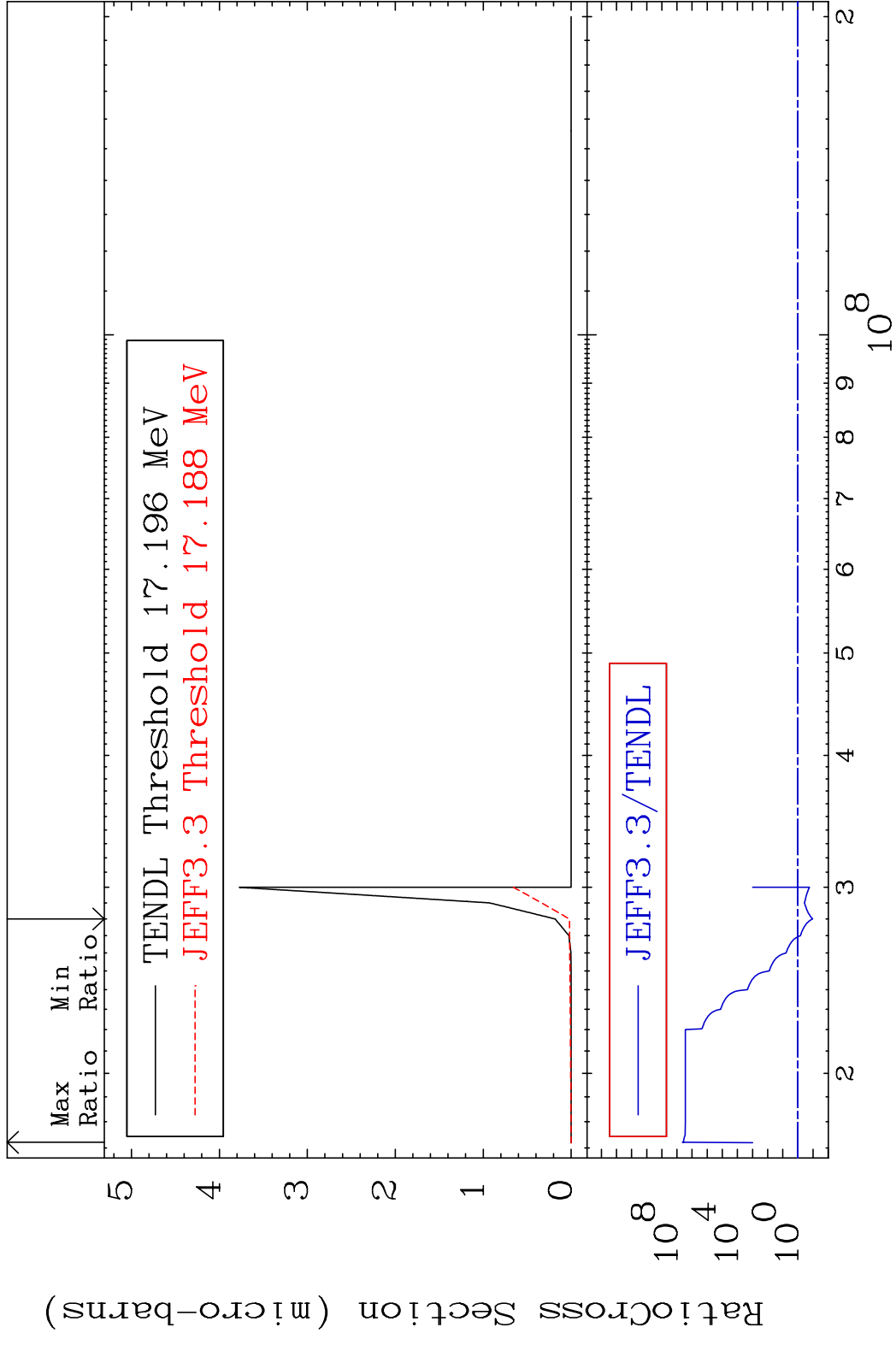


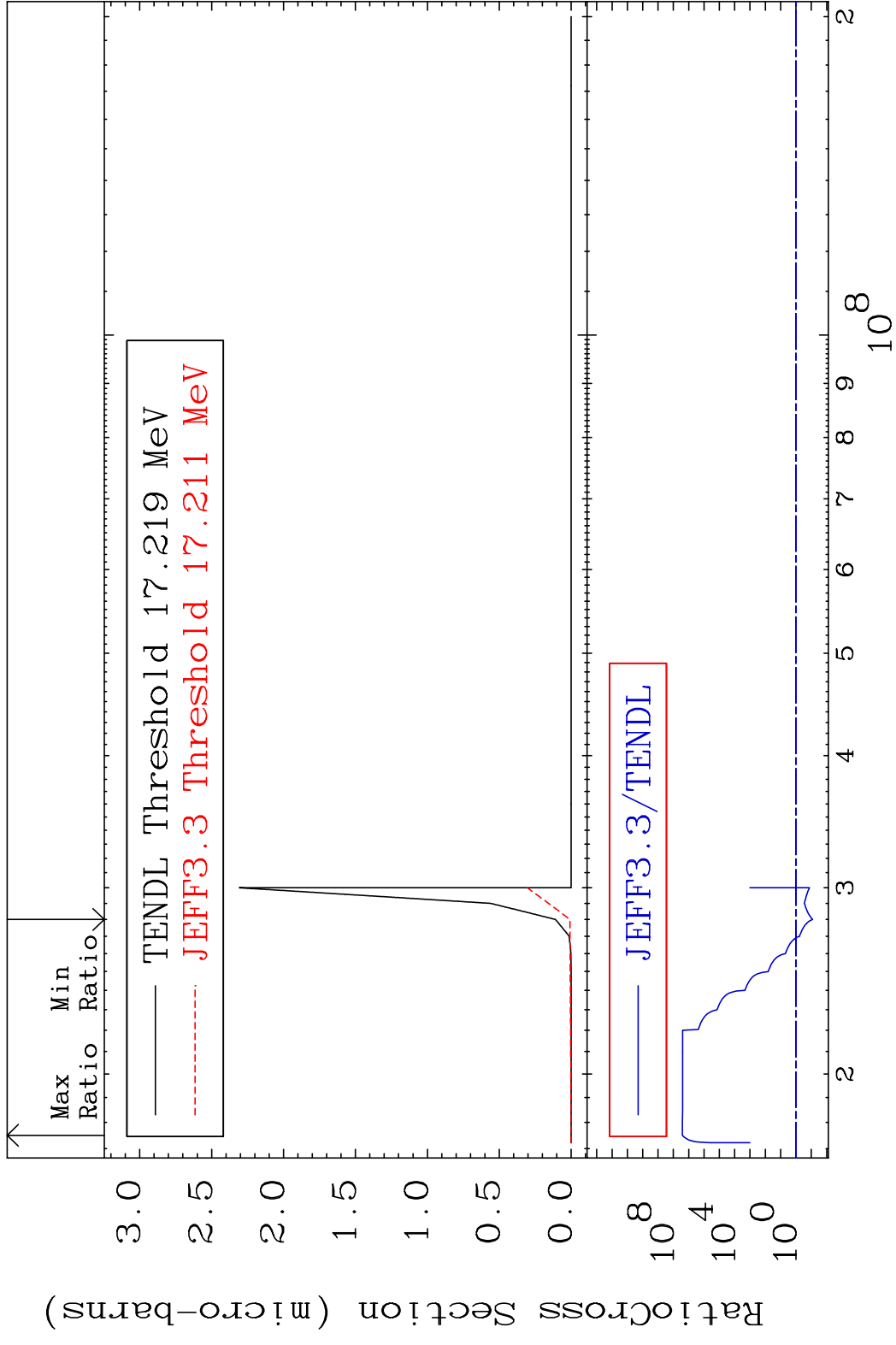
MAT 5331 (n, n') d:52-Te-127g 53-I -129
 Radionuclide Production Cross Section 386091 d10 9999. %

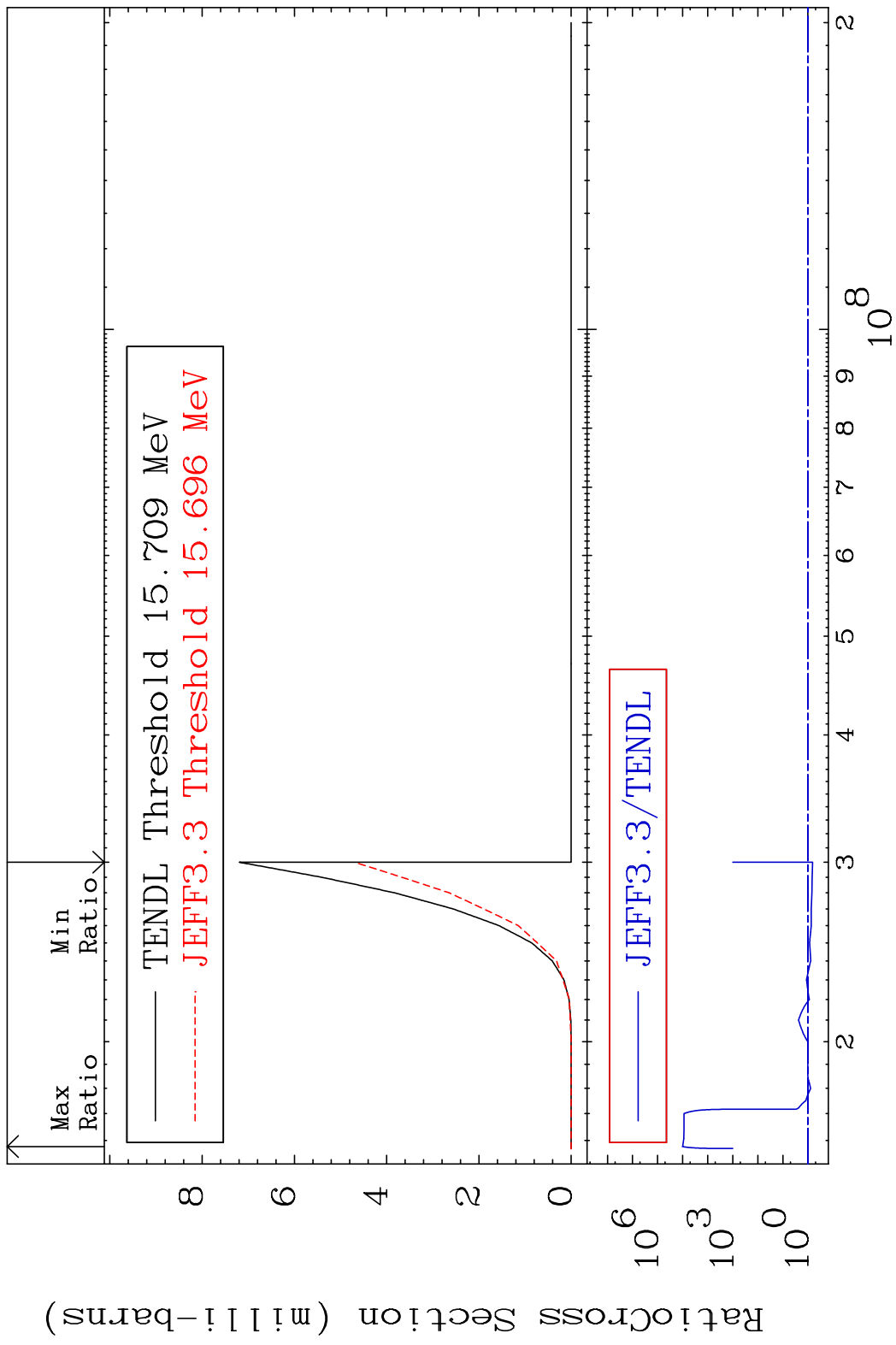


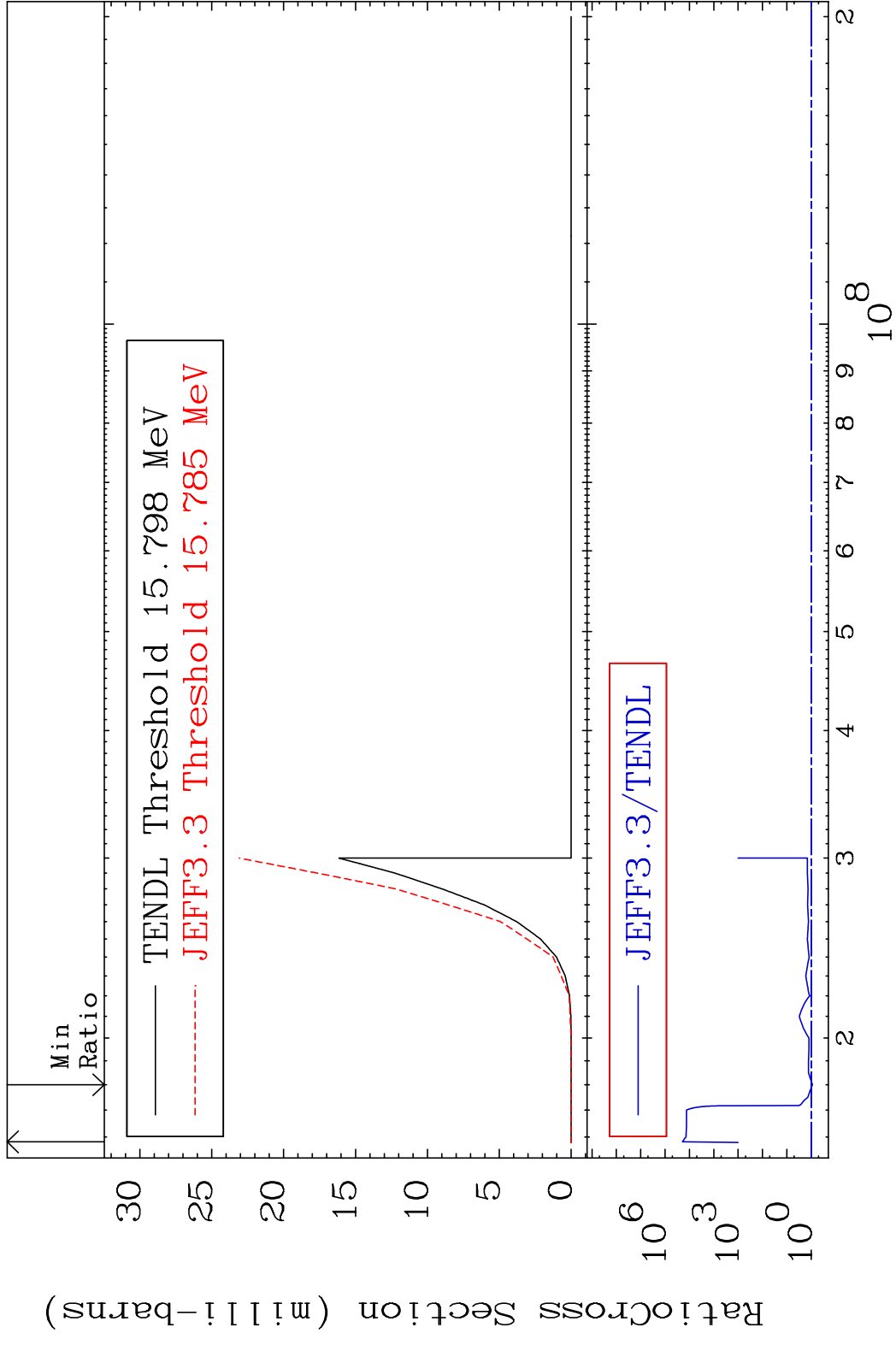




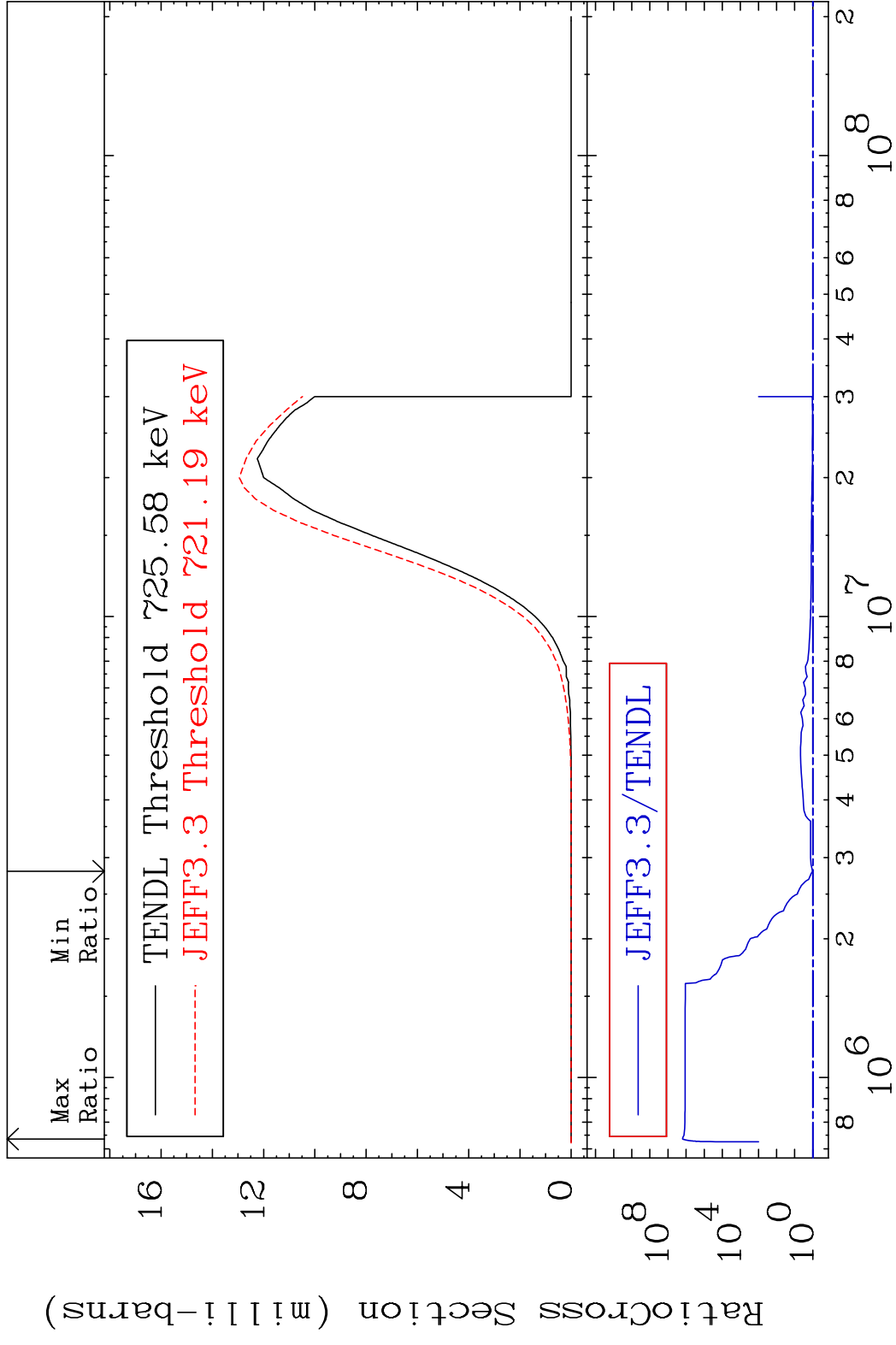




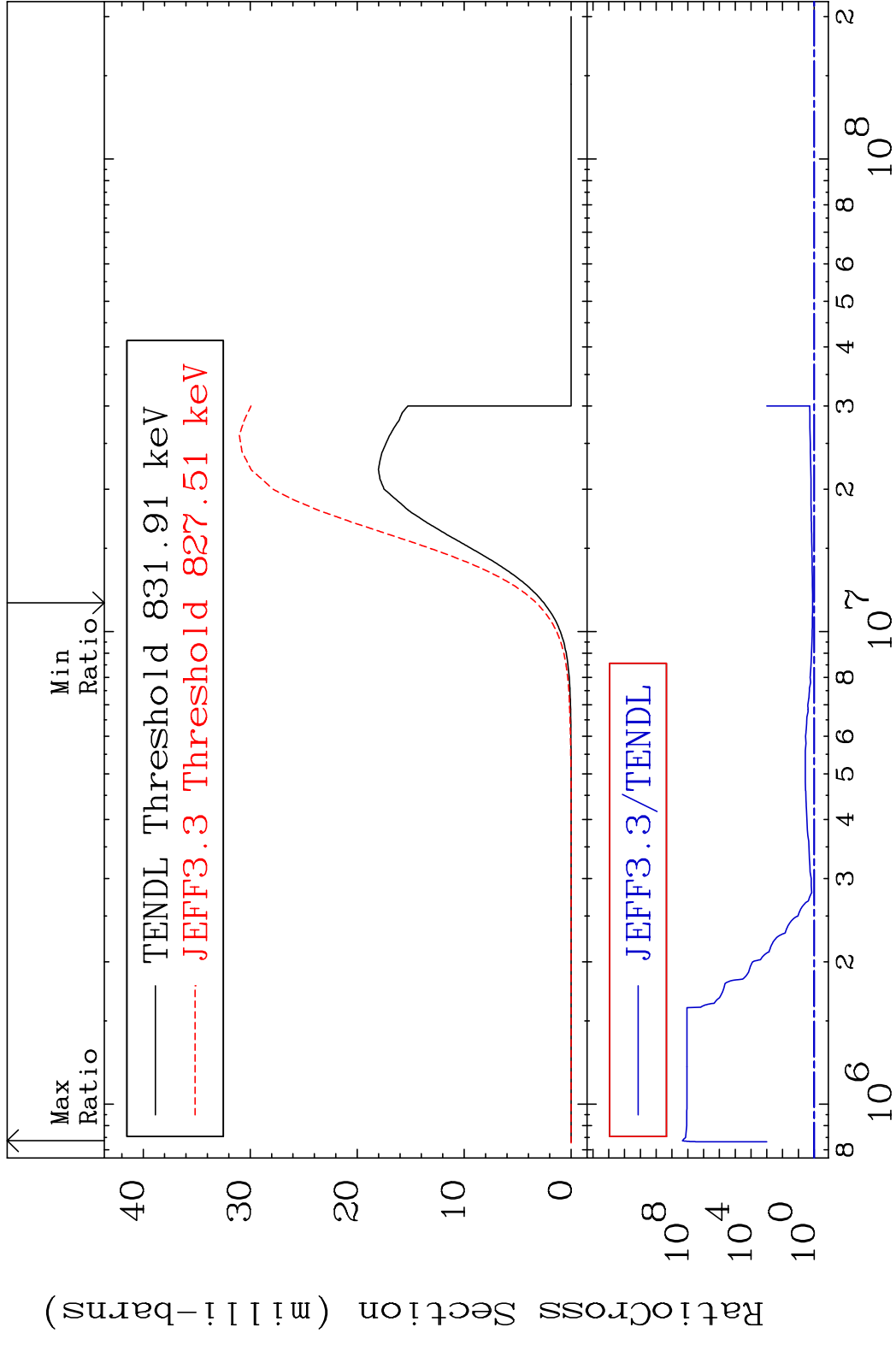


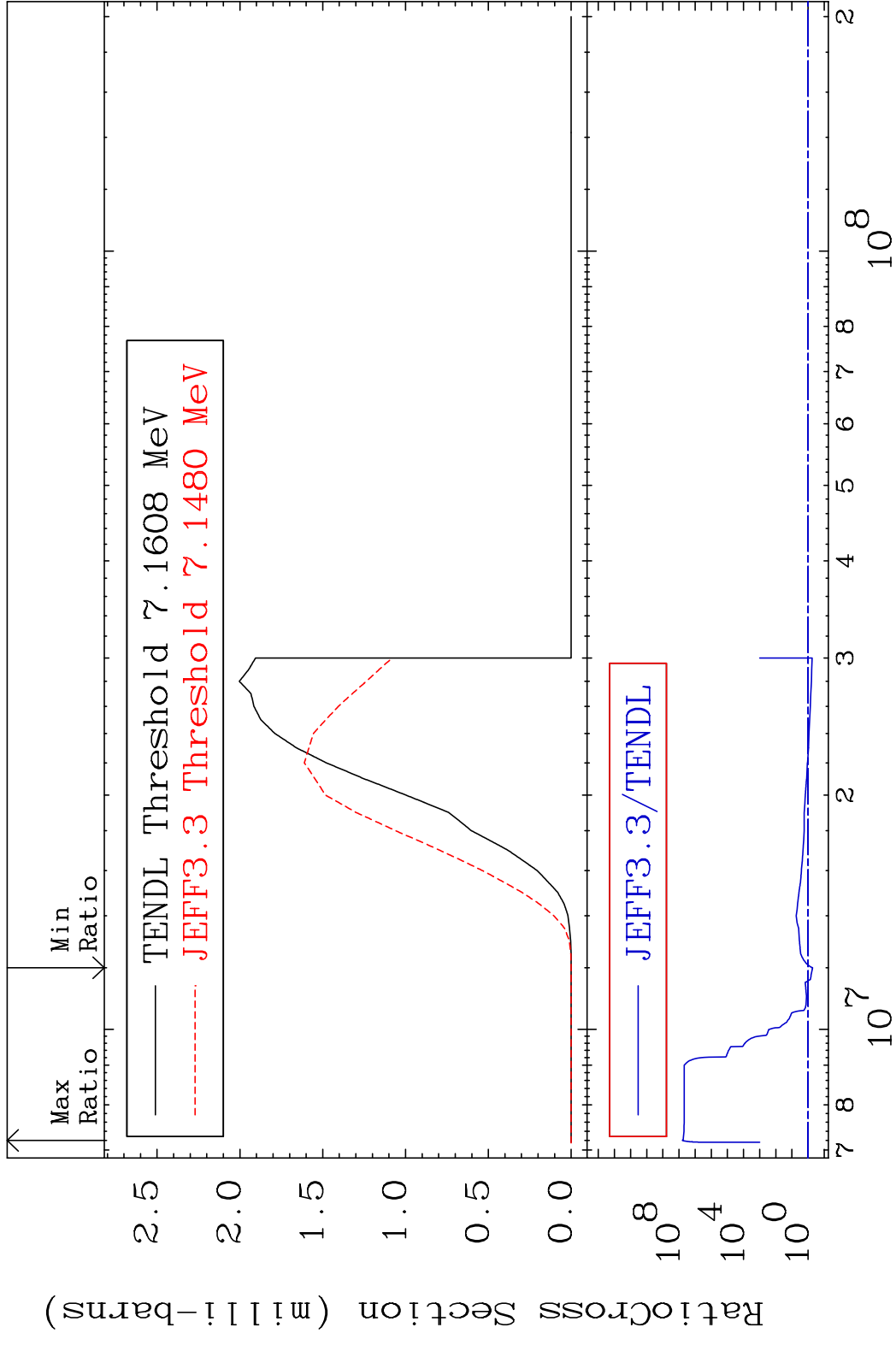


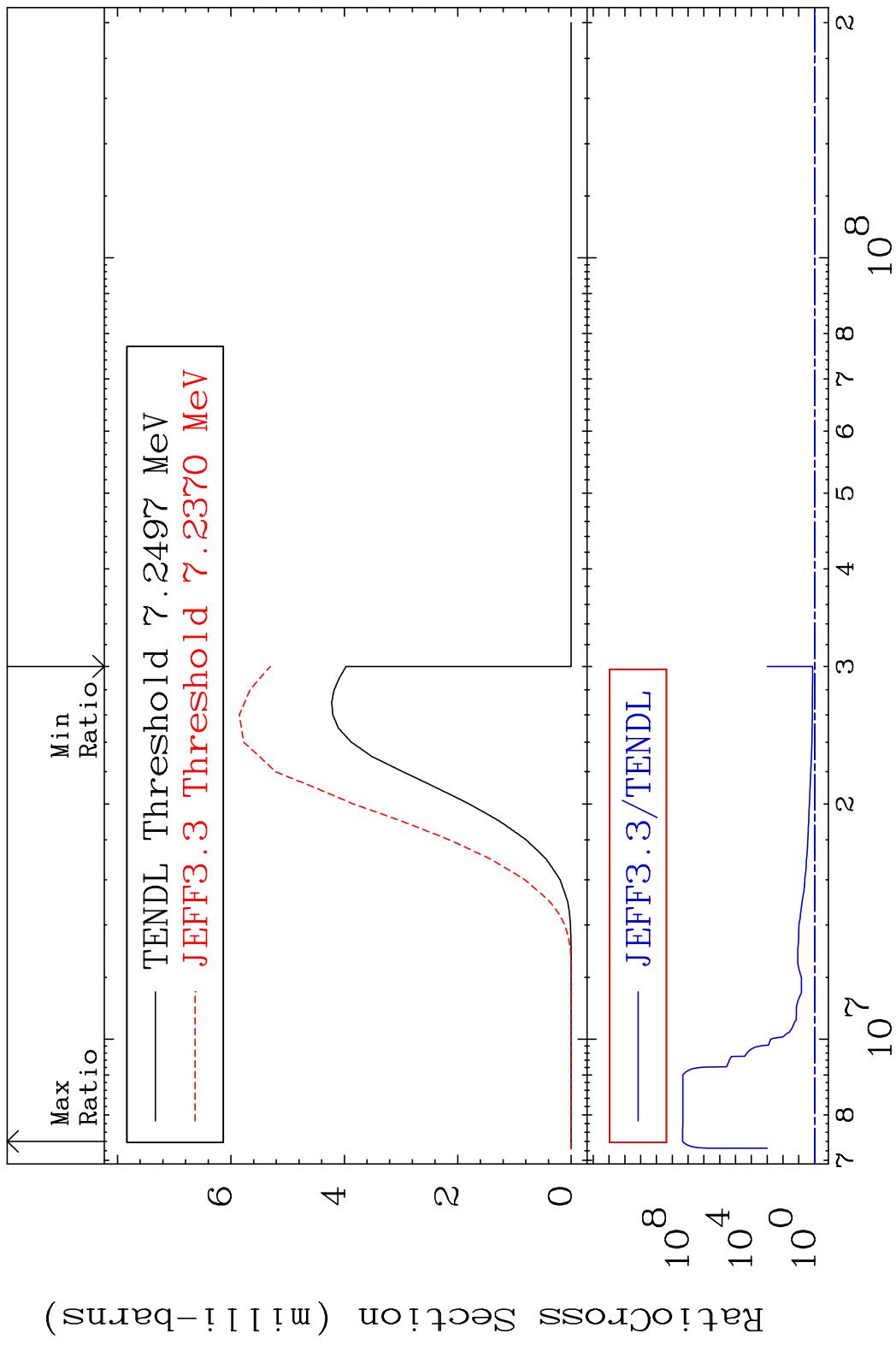
MAT 5331 (n,p):52-Te-129 53-I -129
 Radionuclide Production Cross Section 9999. %



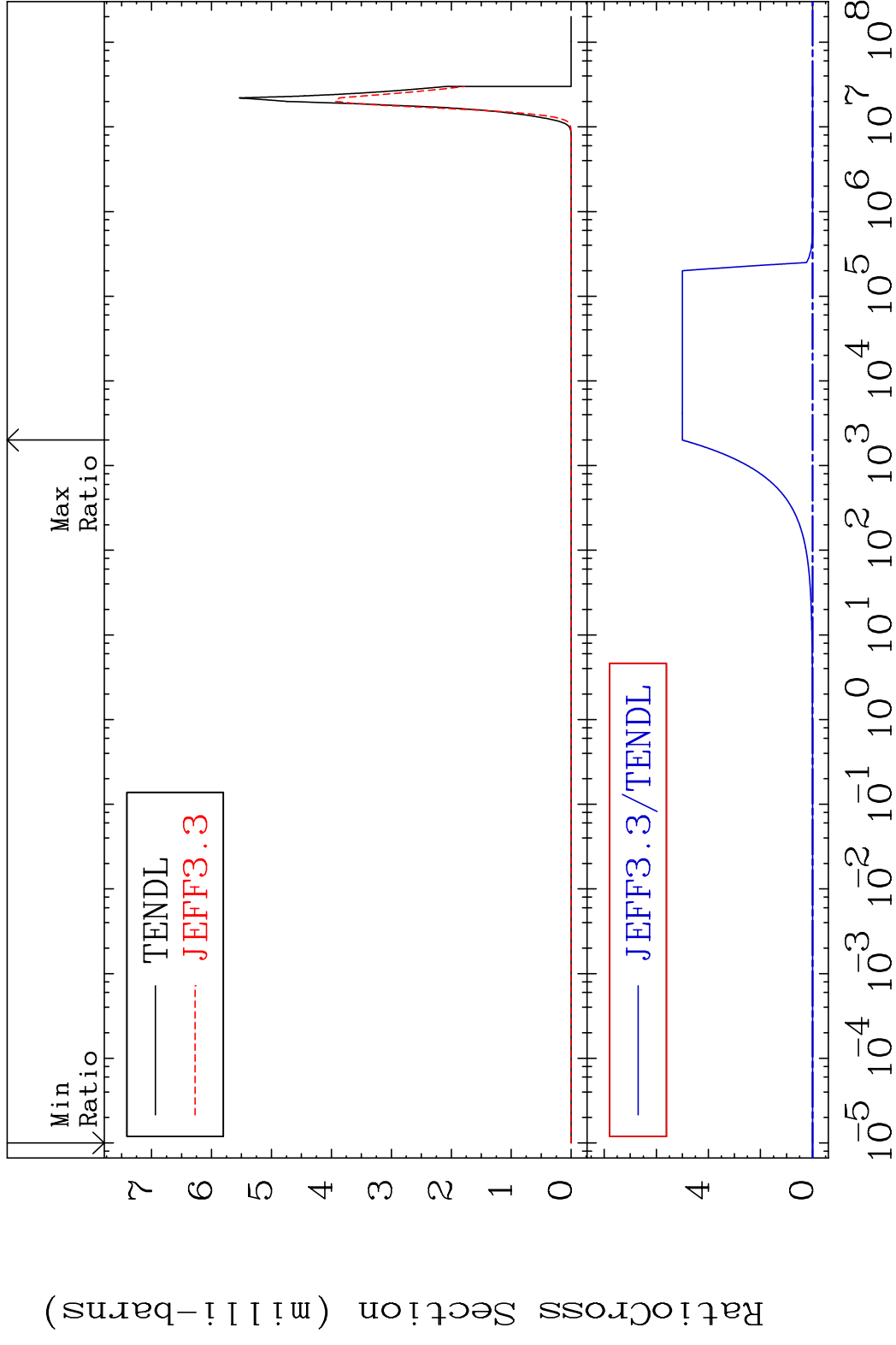
73 Incident Energy (eV) 53-I -129



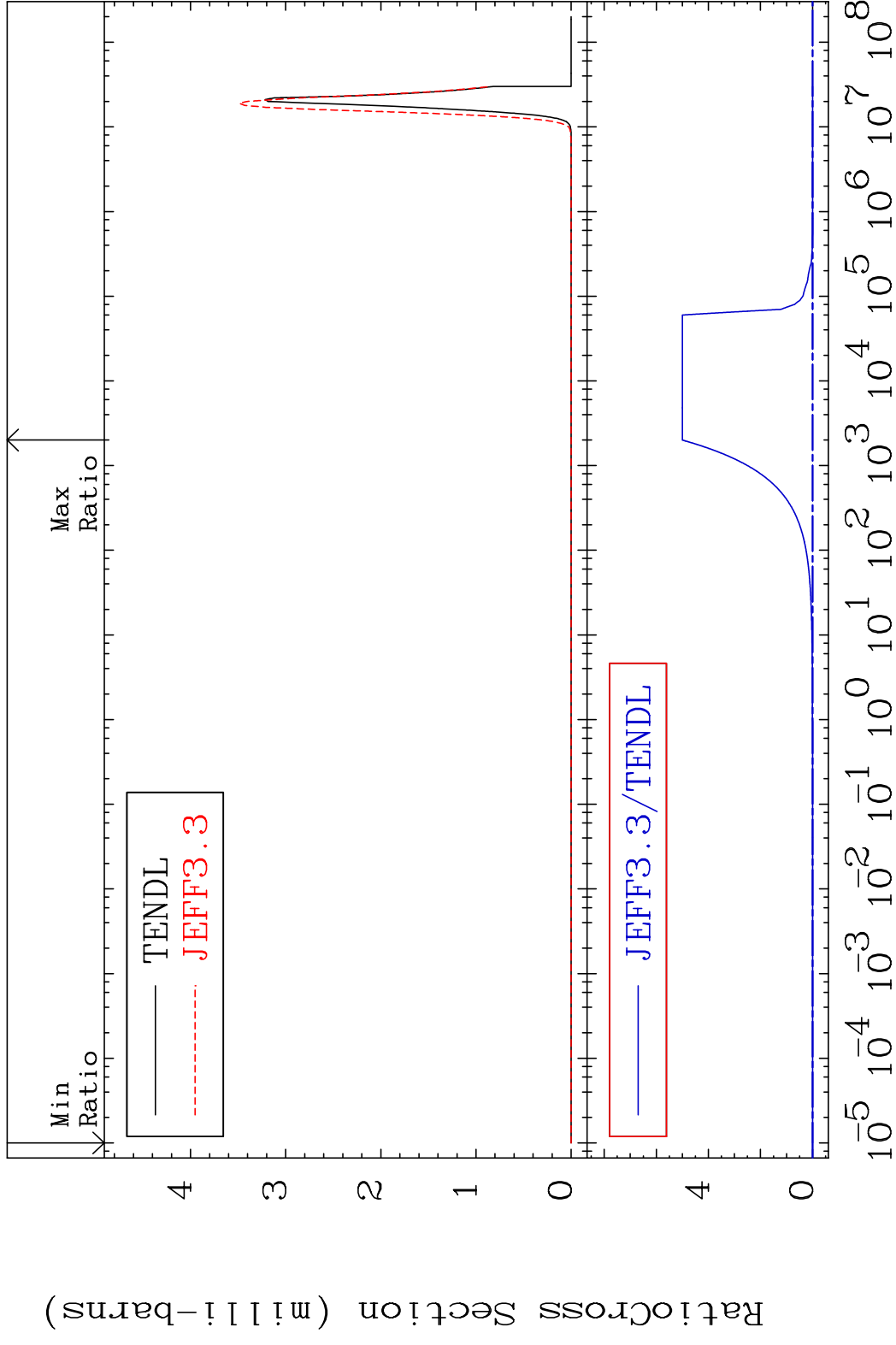




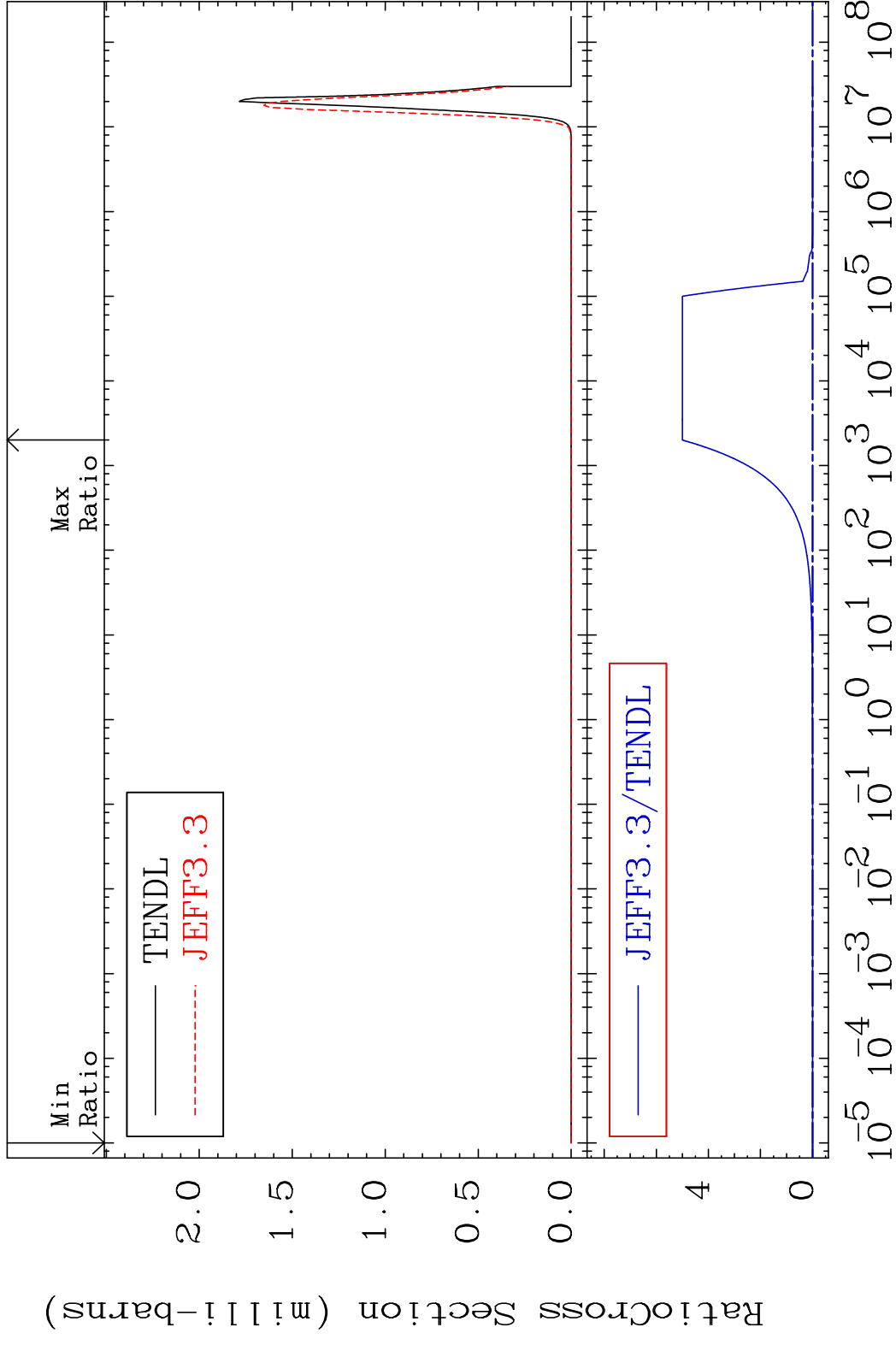
MAT 5331 (n,α):51-Sb-126g 53-I -129
 Radionuclide Production Cross Section Ratio



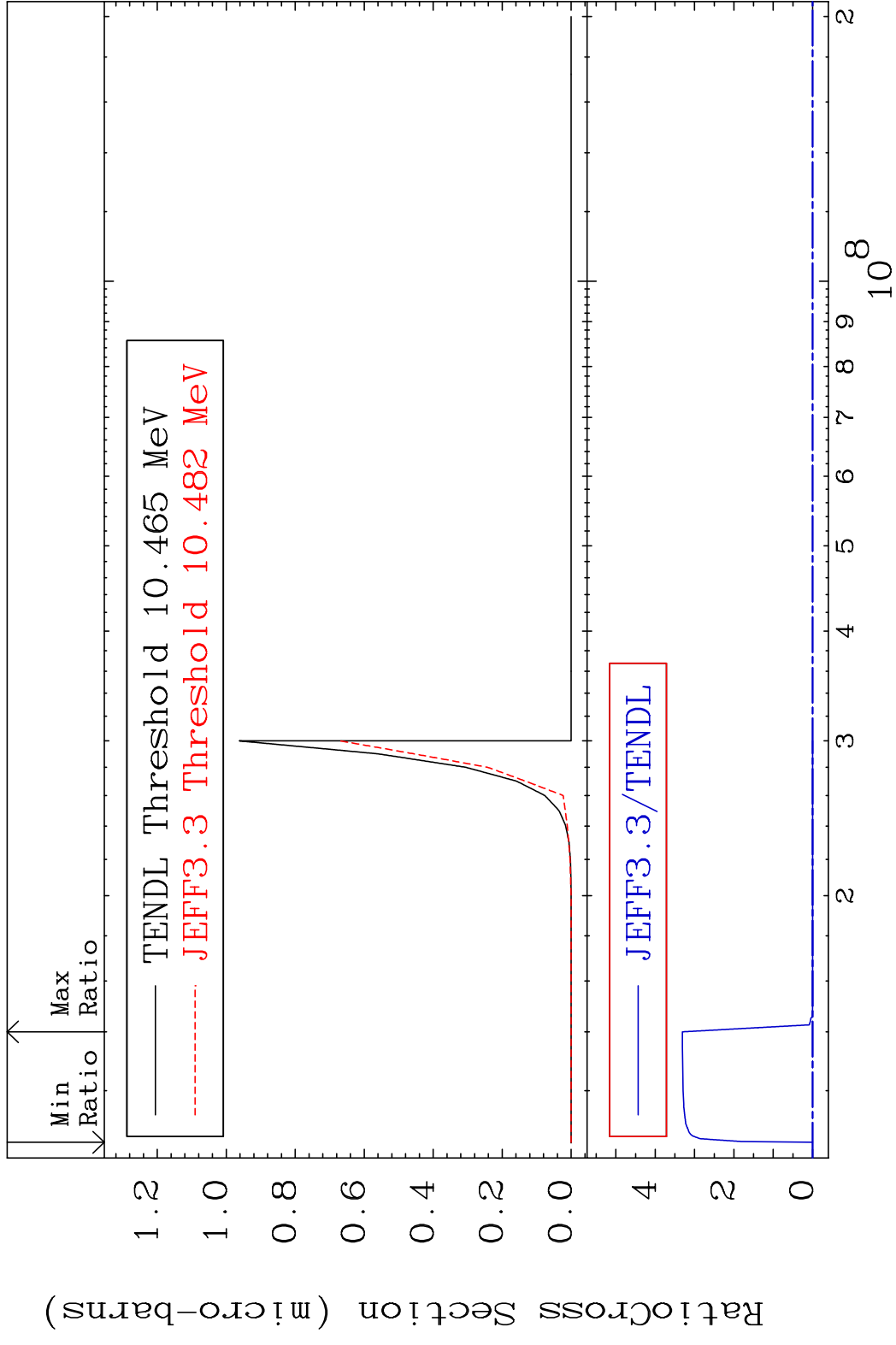
MAT 5331 (n, α):51-Sb-126m1 53-I -129
 Radionuclide Production Cross Section (mb) to 9999. %

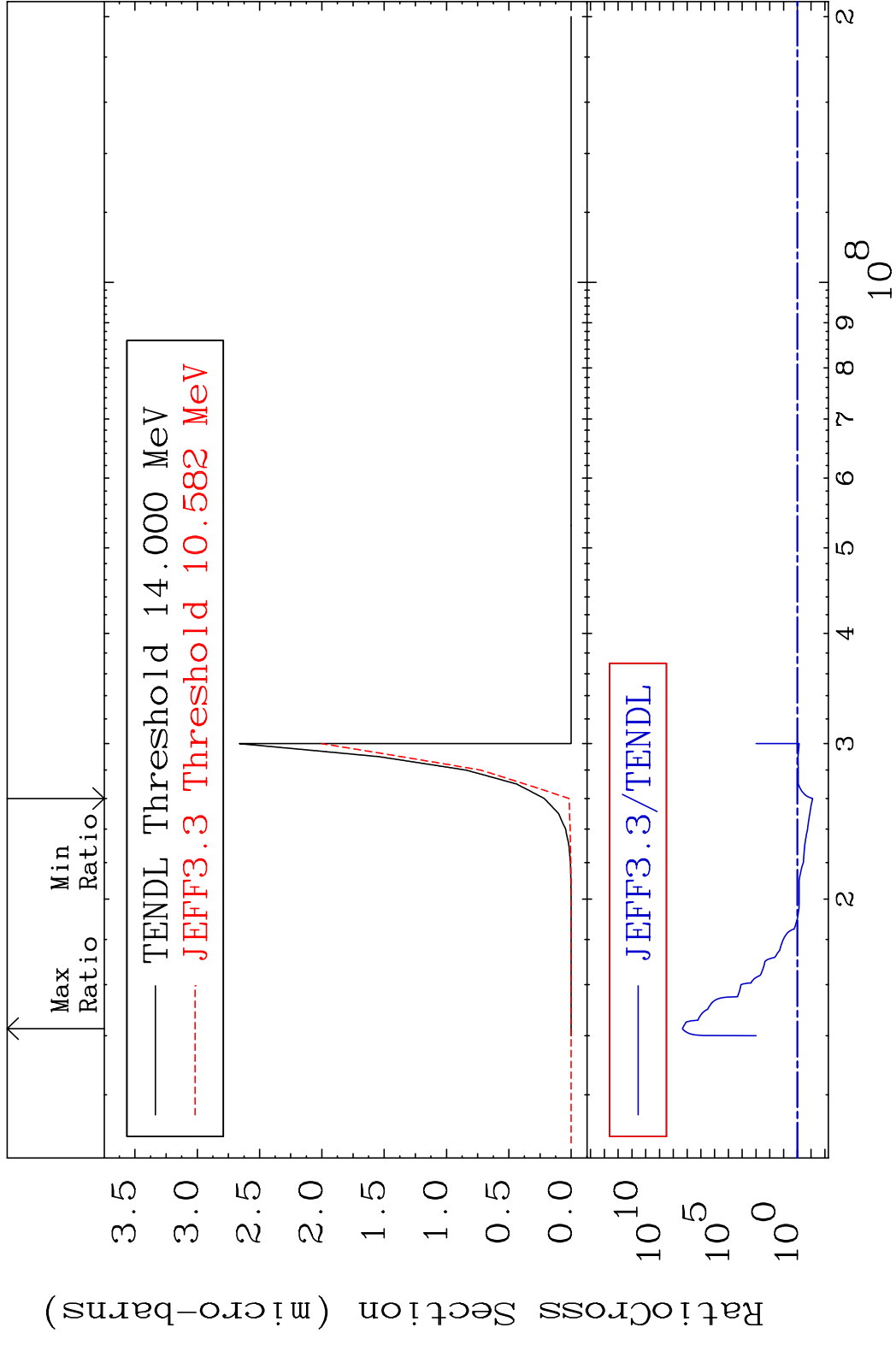


MAT 5331 (n, α):51-Sb-126m2 53-I -129
 Radionuclide Production Cross Section 100.00 to 9999. %



79 Incident Energy (eV) 53-I -129





MAT 5331 (n,p) α :50-Sn-125g 53-I -129
 Radionuclide Production Cross Section Ratio 9999. %

