

Program Complot
(Version 2021-1)

by

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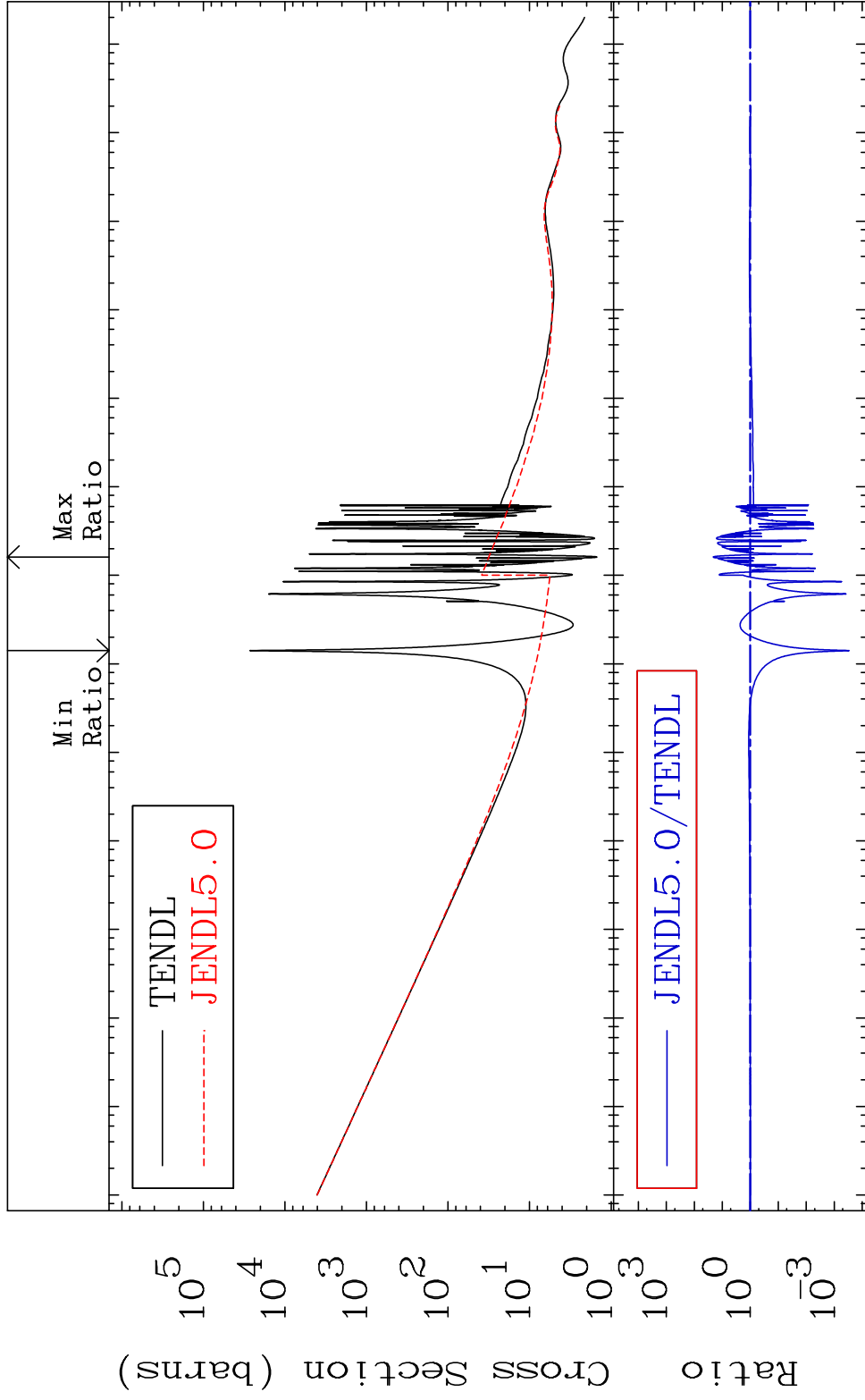
Press Mouse Button to Start

MAT 5337

Total

53-I -131

Cross Section -99.97 To 2017. %



1

Incident Energy (eV)

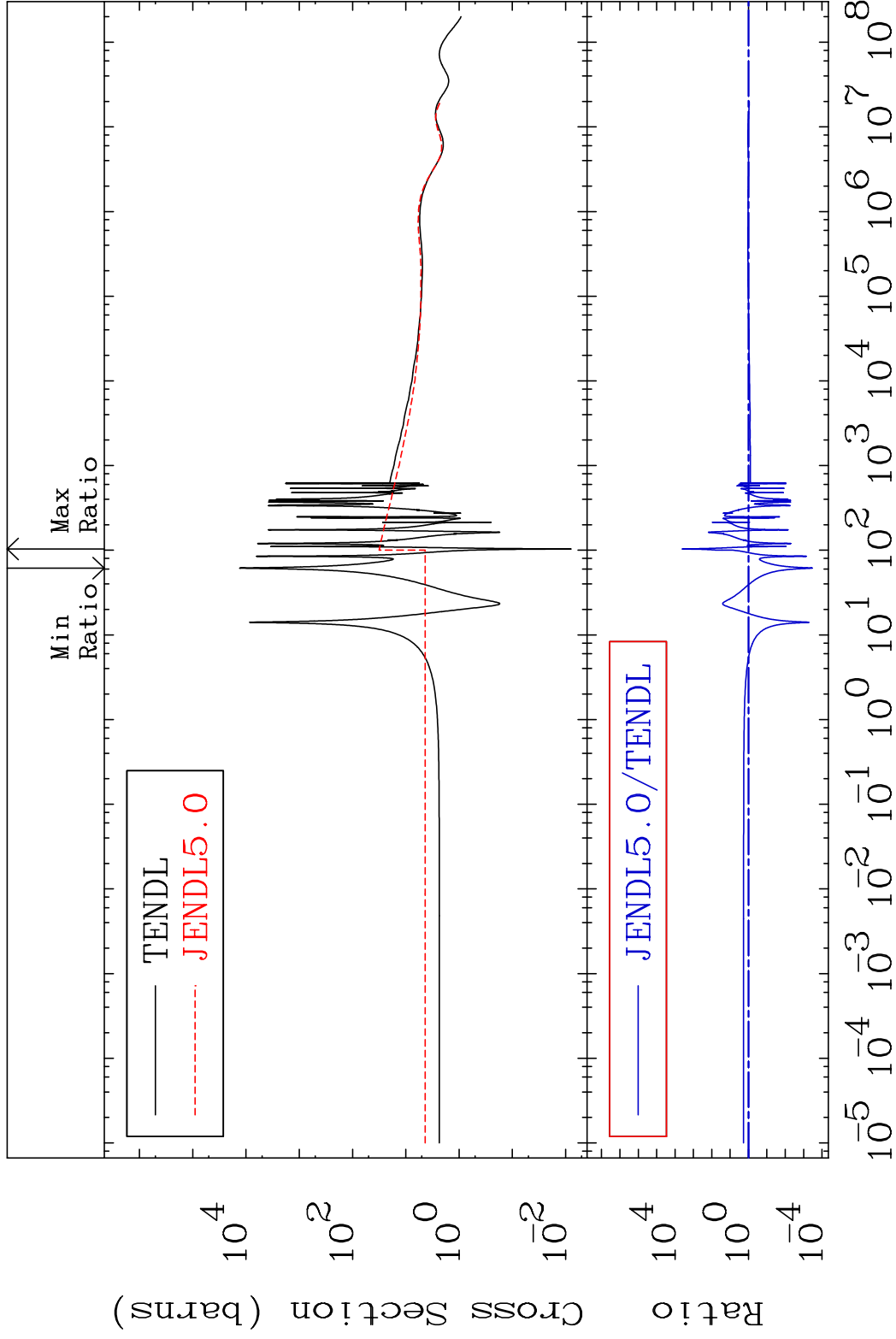
53-I -131

MAT 5337

Elastic

53-I -131

Cross Section -99.97 To 9999. %



2

Incident Energy (eV)

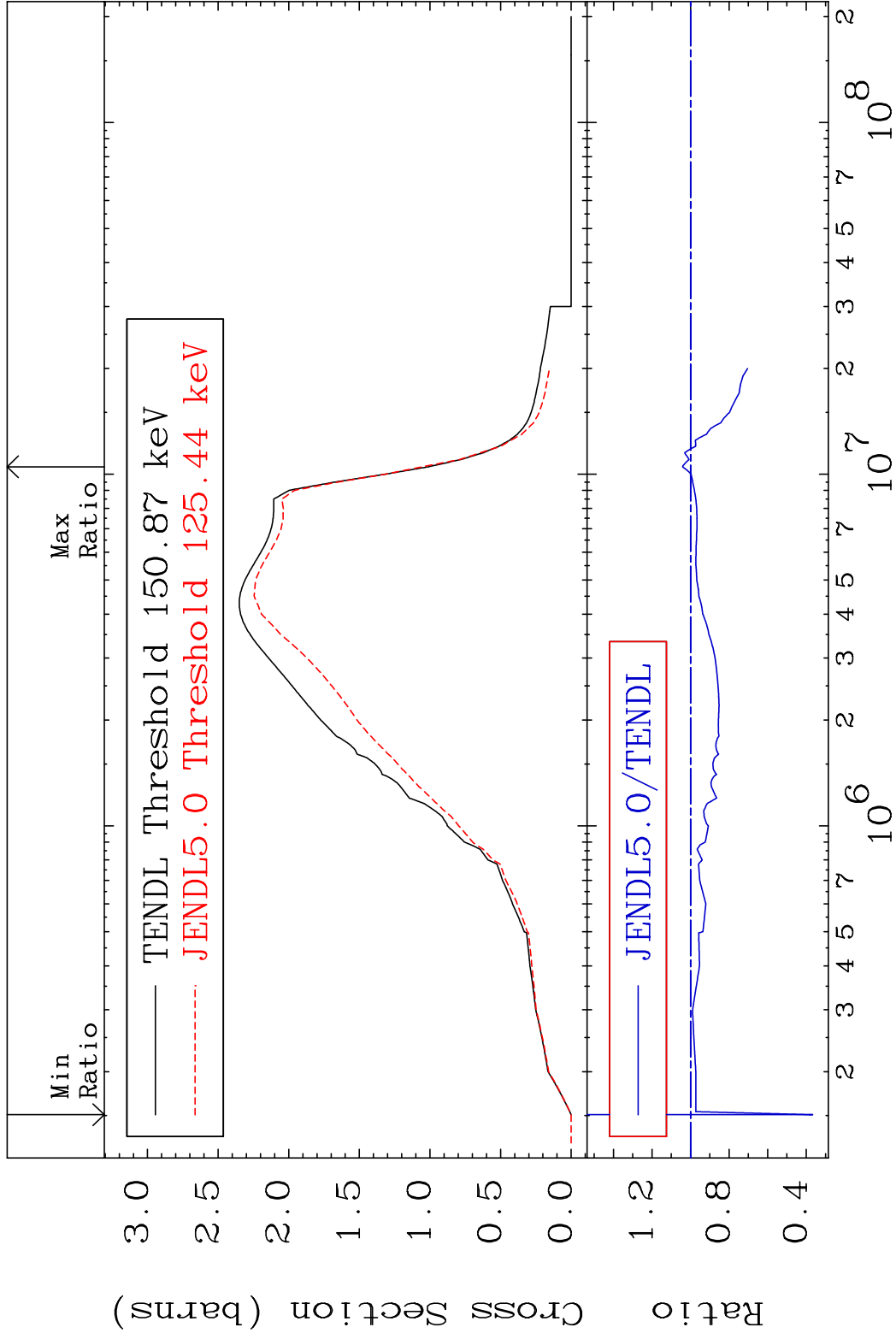
53-I -131

MAT 5337

Inelastic

53-I -131

Cross Section -63.28 To 4.260 %

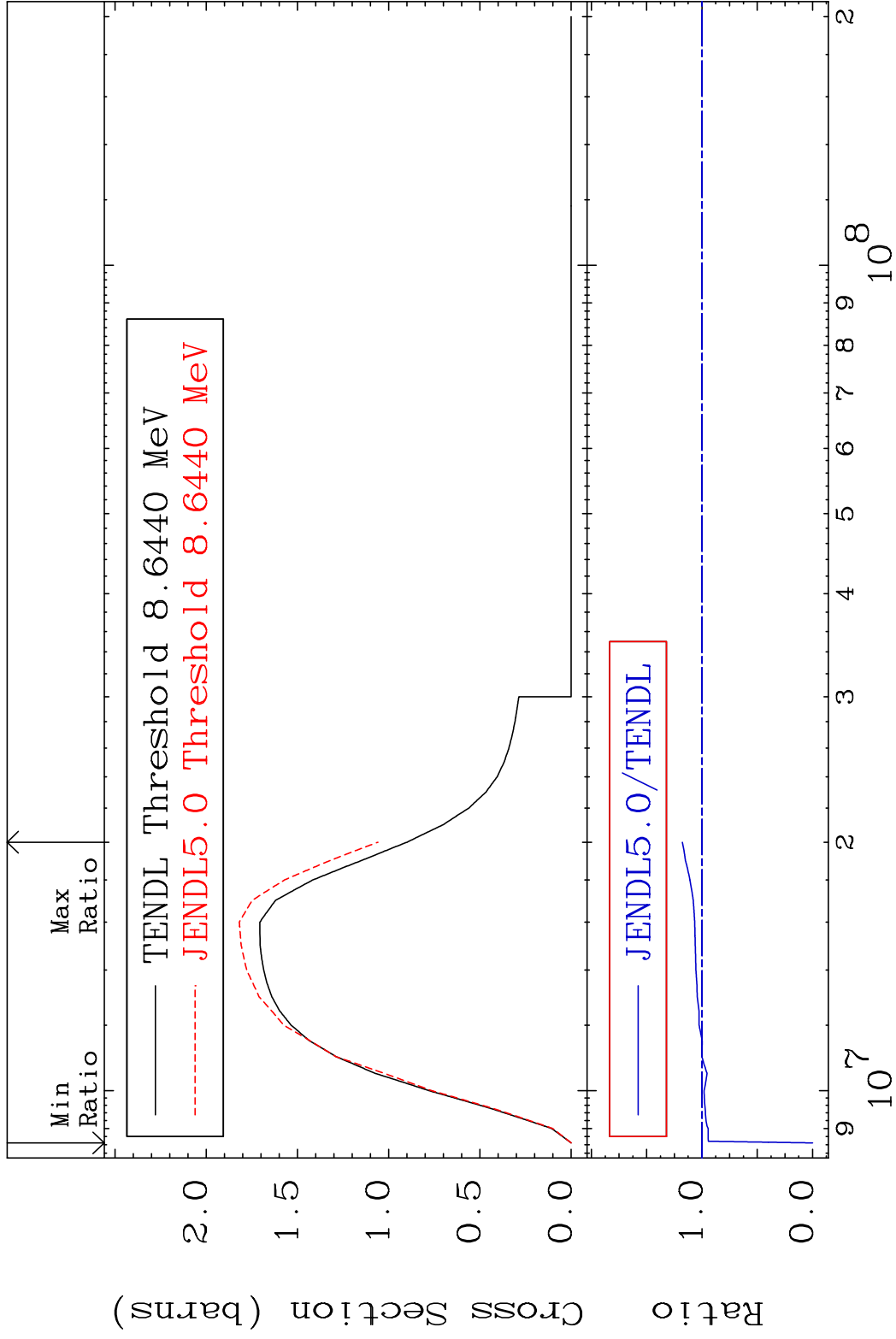


MAT 5337

(n,2n)

53-I -131

Cross Section -100.0 To 17.74 %



4

Incident Energy (eV)

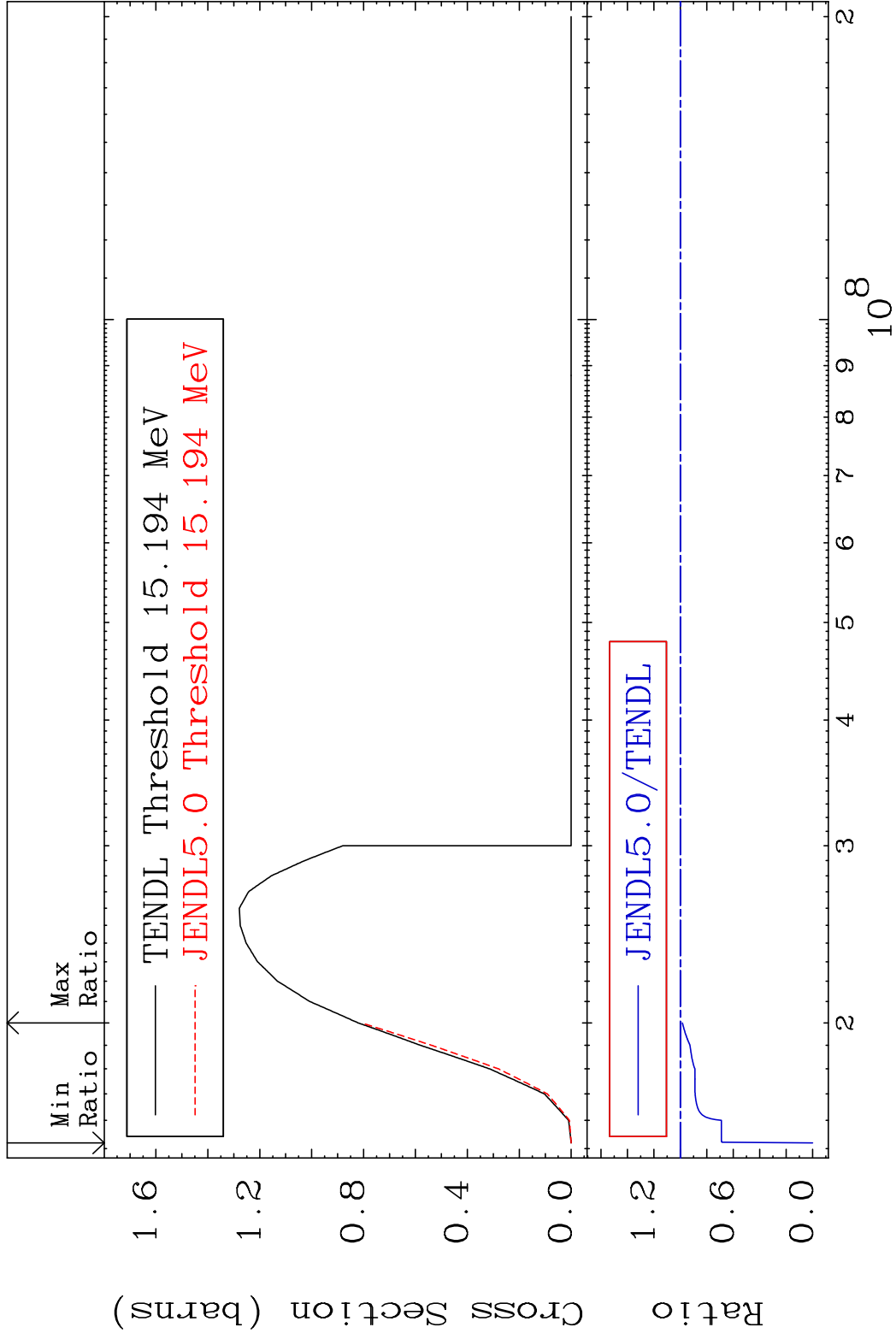
53-I -131

MAT 5337

(n,3n)

53-I -131

Cross Section -100.0 To -1.556%



5

Incident Energy (eV)

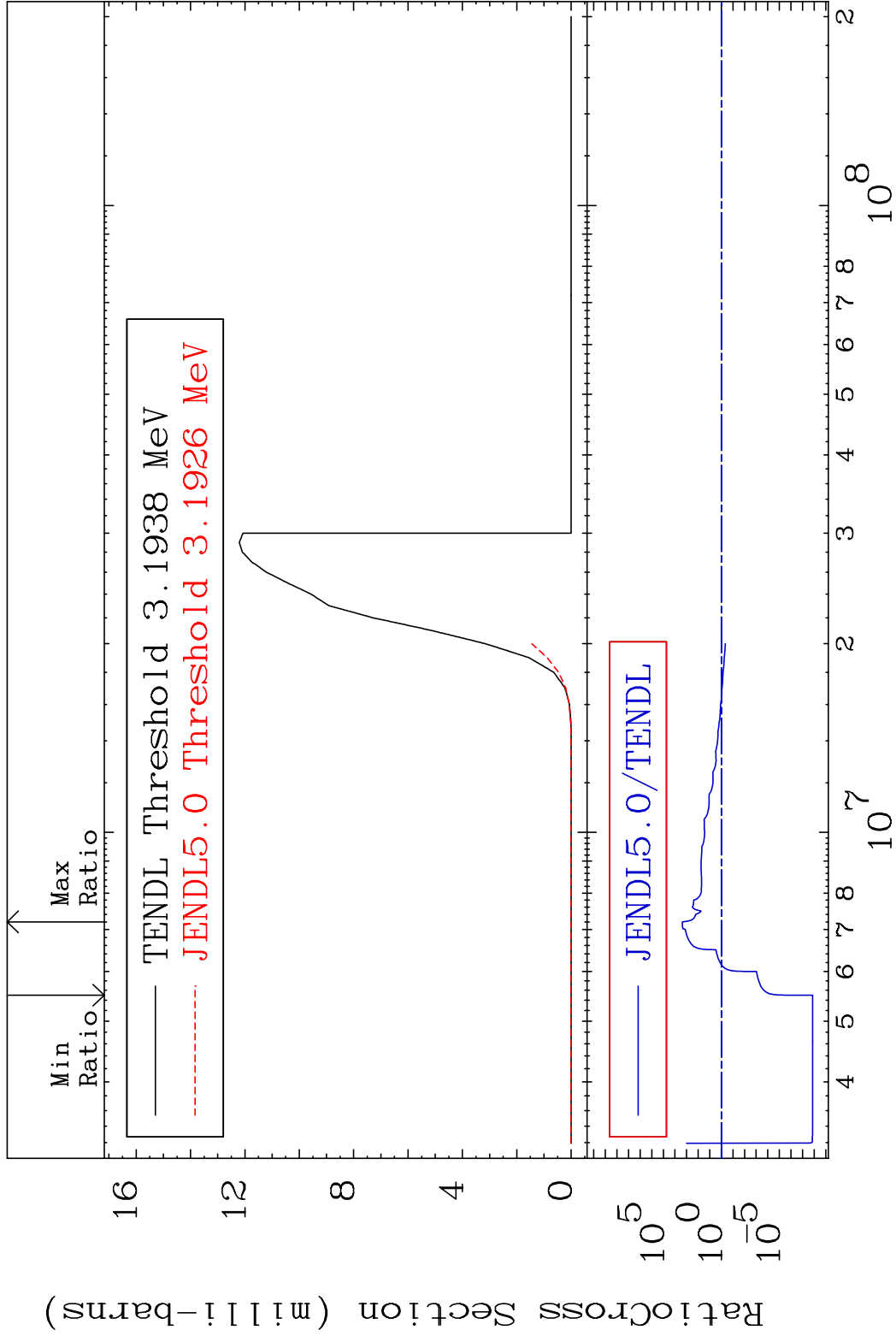
53-I -131

MAT 5337

(n, n') α

53-I -131

Cross Section -100.0 To 9999. %

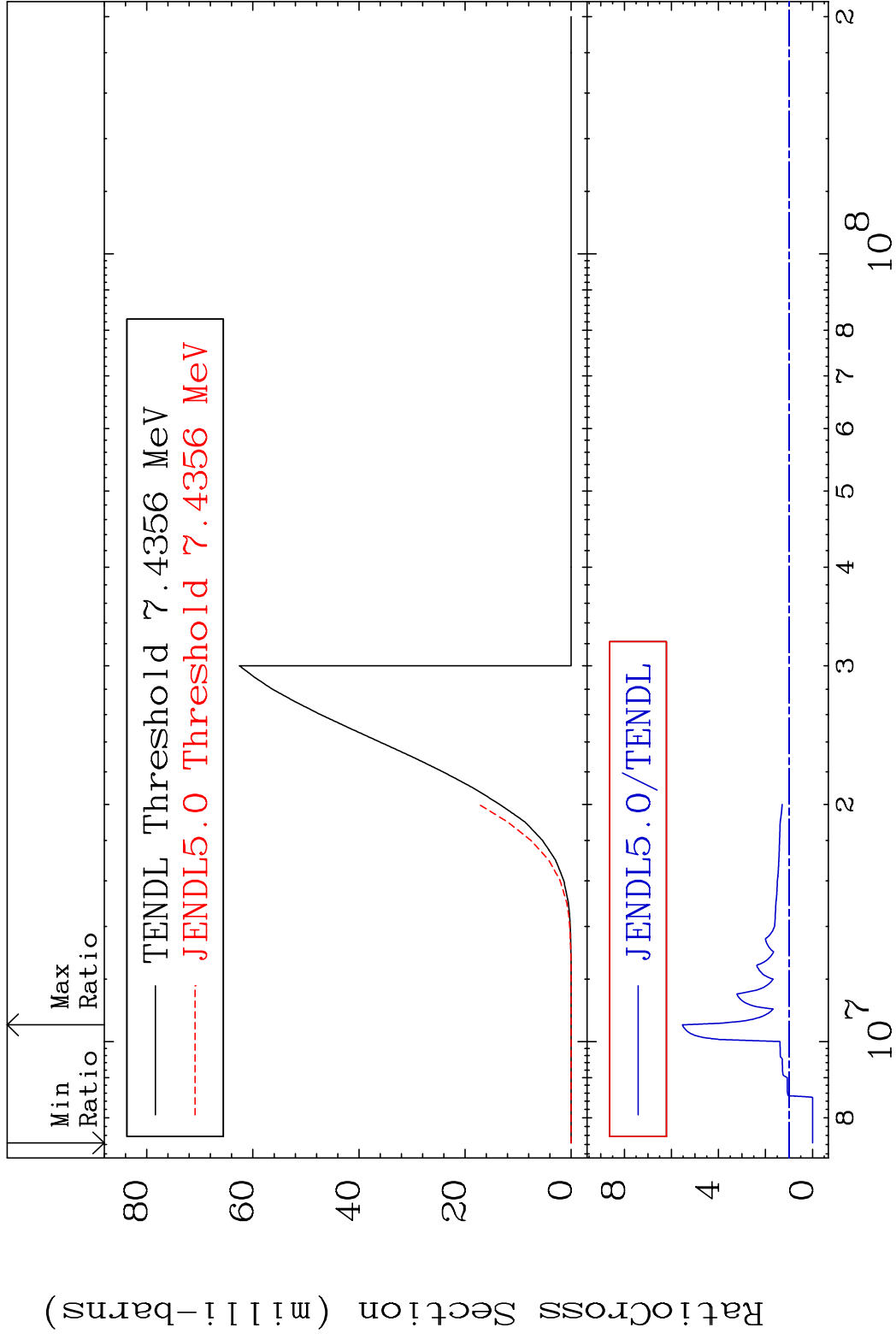


MAT 5337

(n, n') p

53-I -131

Cross Section -100.0 To 453.4 %



7

Incident Energy (eV)

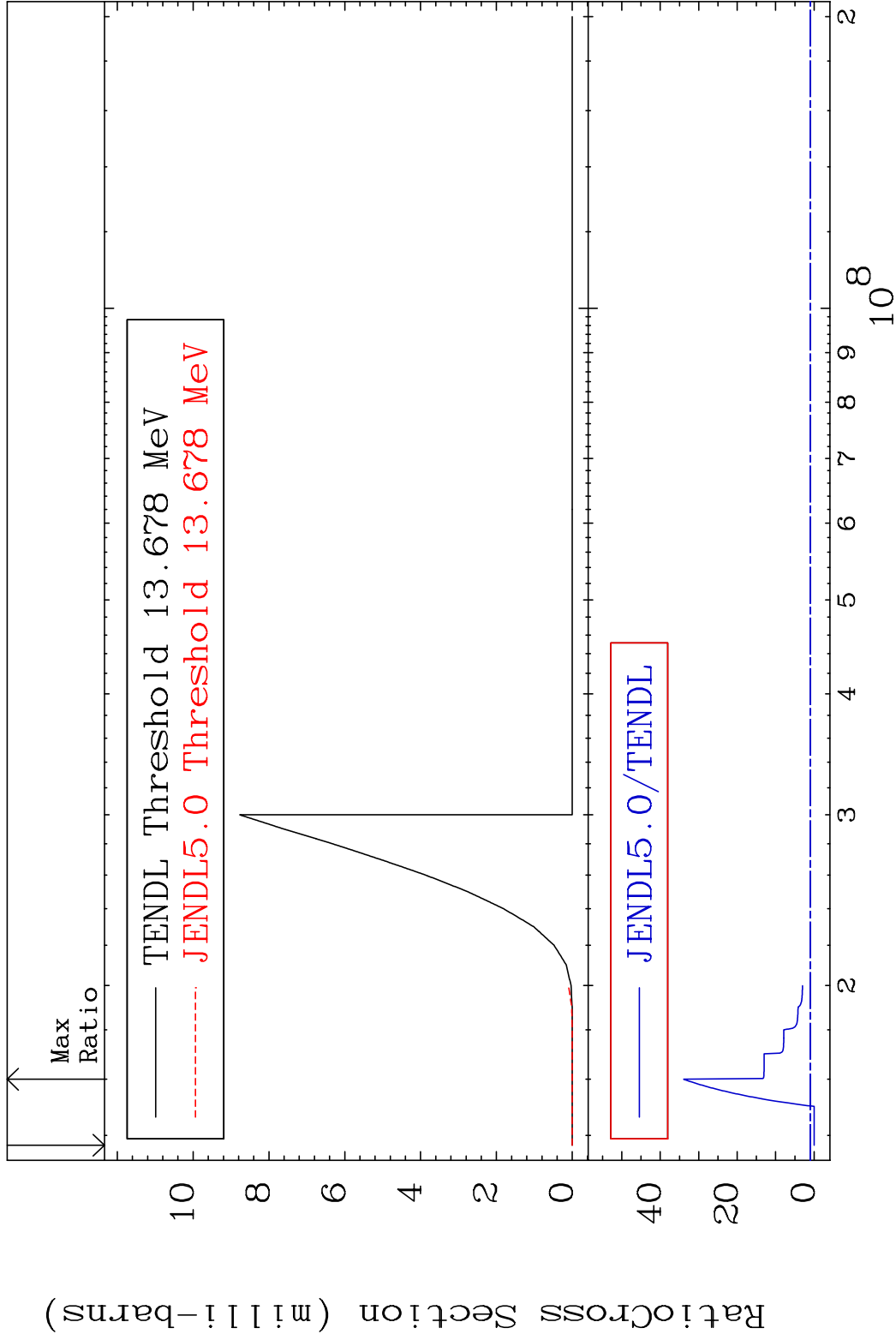
53-I -131

MAT 5337

(n, n') d

53-I -131

Cross Section -100.0 To 3292. %



8

Incident Energy (eV)

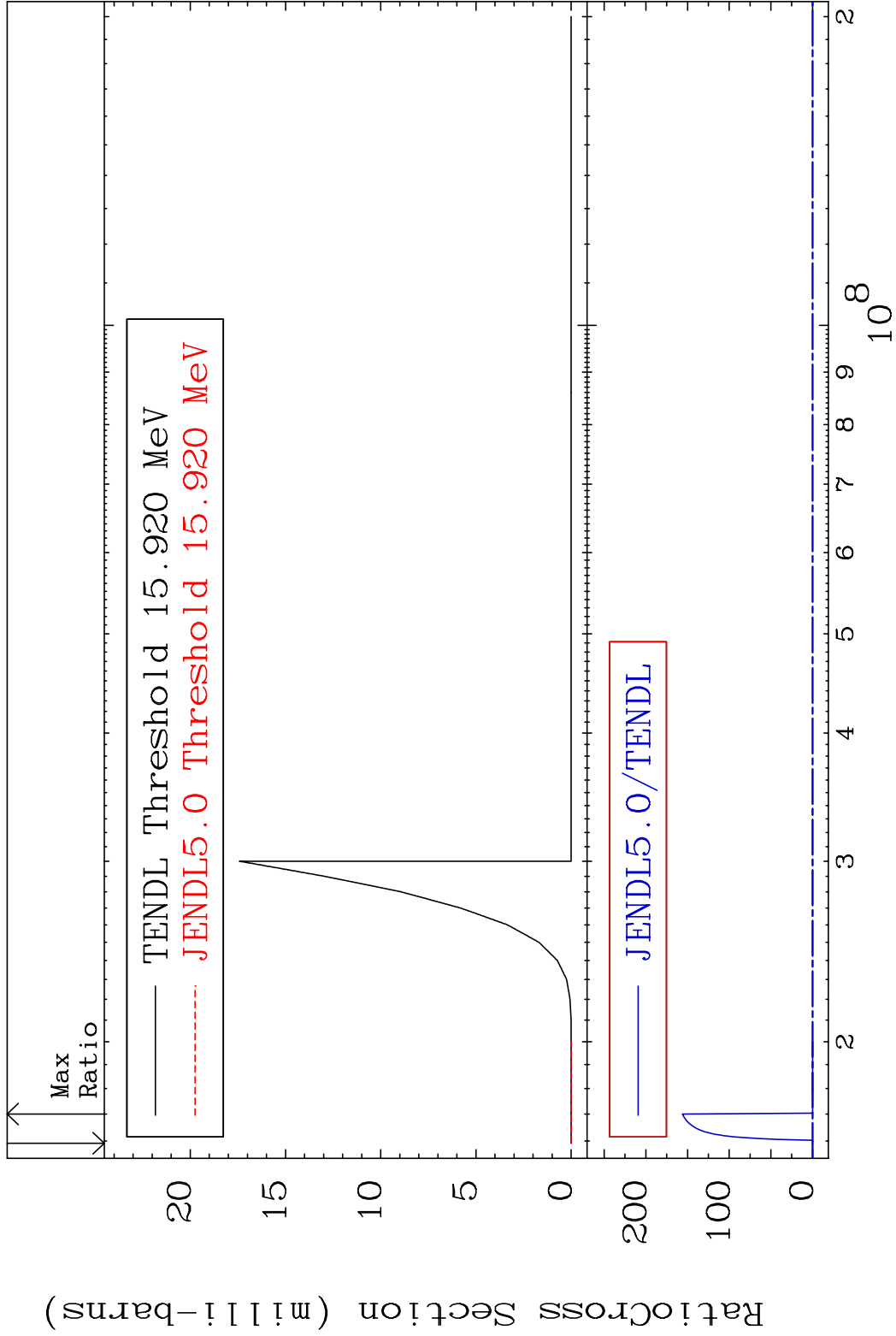
53-I -131

MAT 5337

(n,2n) p

53-I -131

Cross Section -100.0 To 9999. %

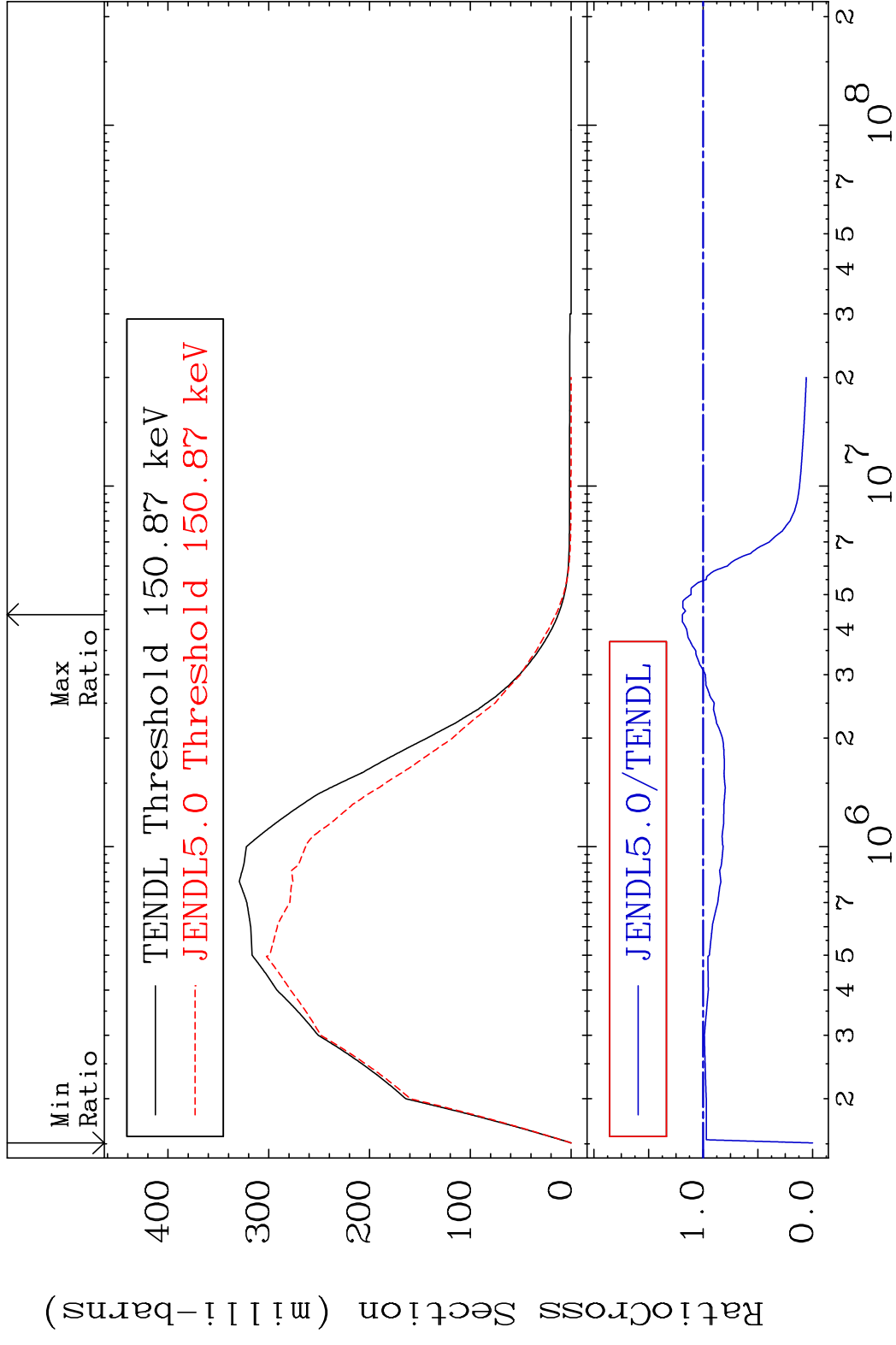


9

Incident Energy (eV)

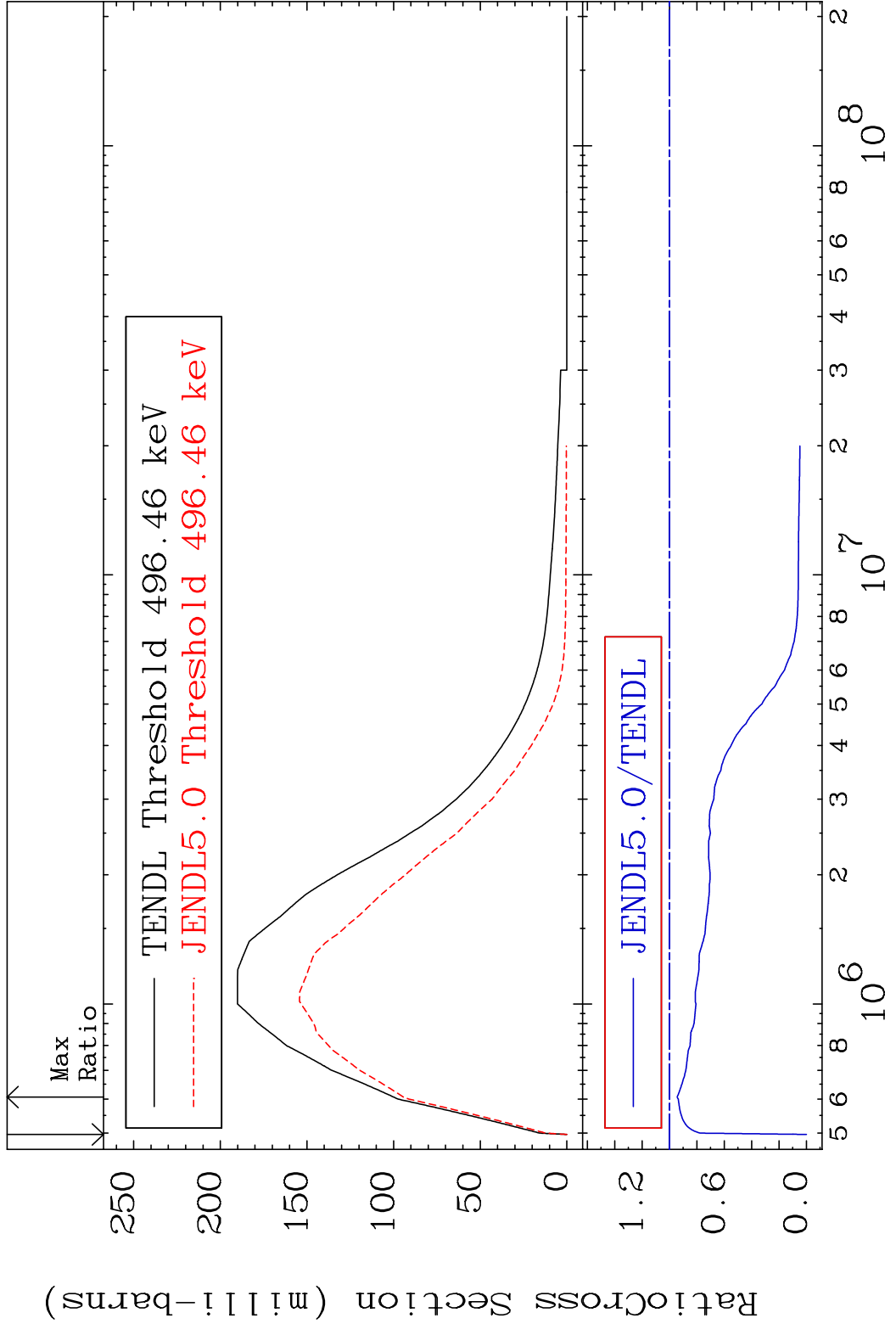
53-I -131

MAT 5337 MT= 51 (n,n') Level 53-I -131
 Cross Section -100.0 To 19.10 %

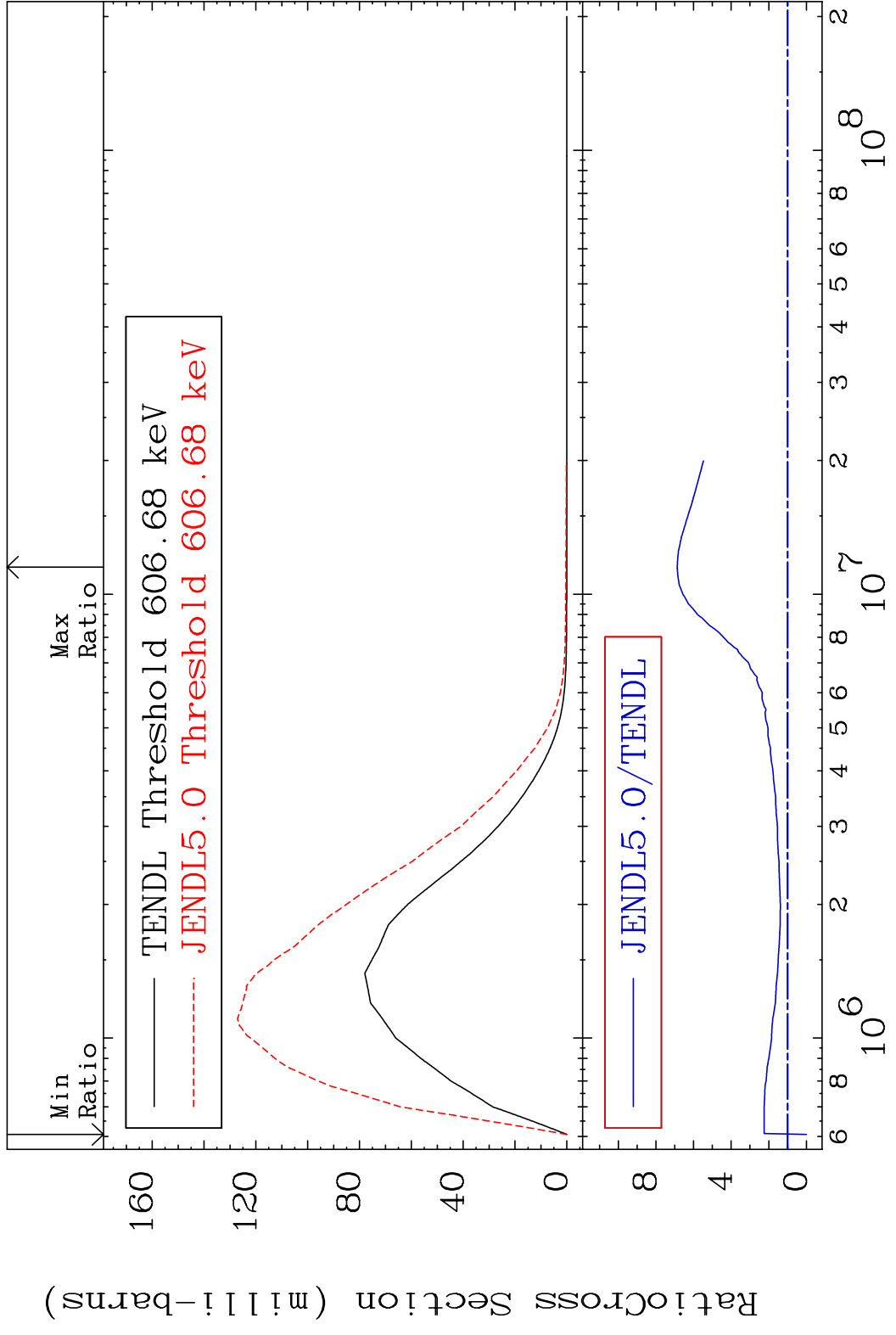


10 Incident Energy (eV) 53-I -131

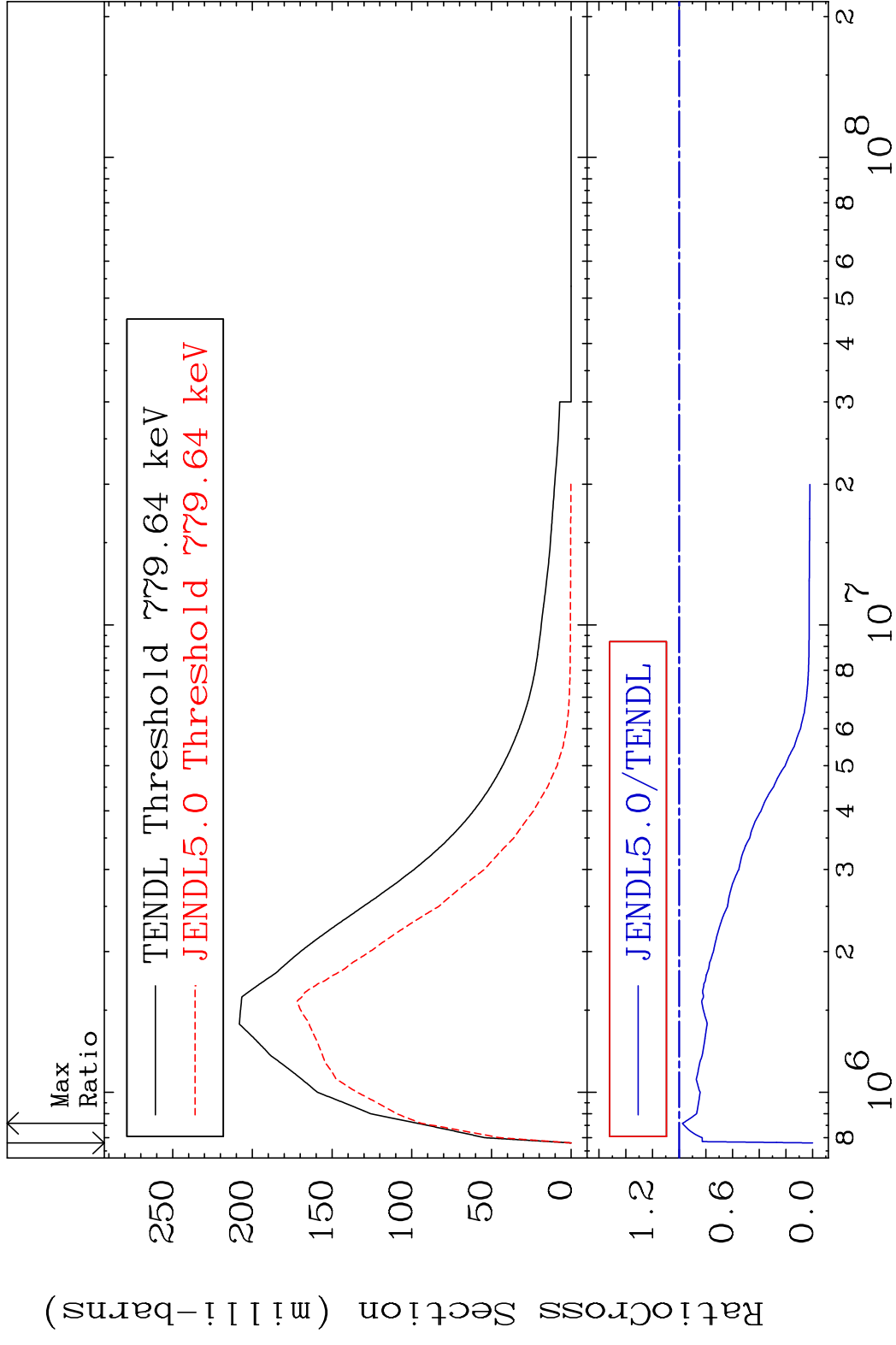
MAT 5337 MT= 52 (n,n') Level 53-I -131
 Cross Section -100.0 To -5.614%



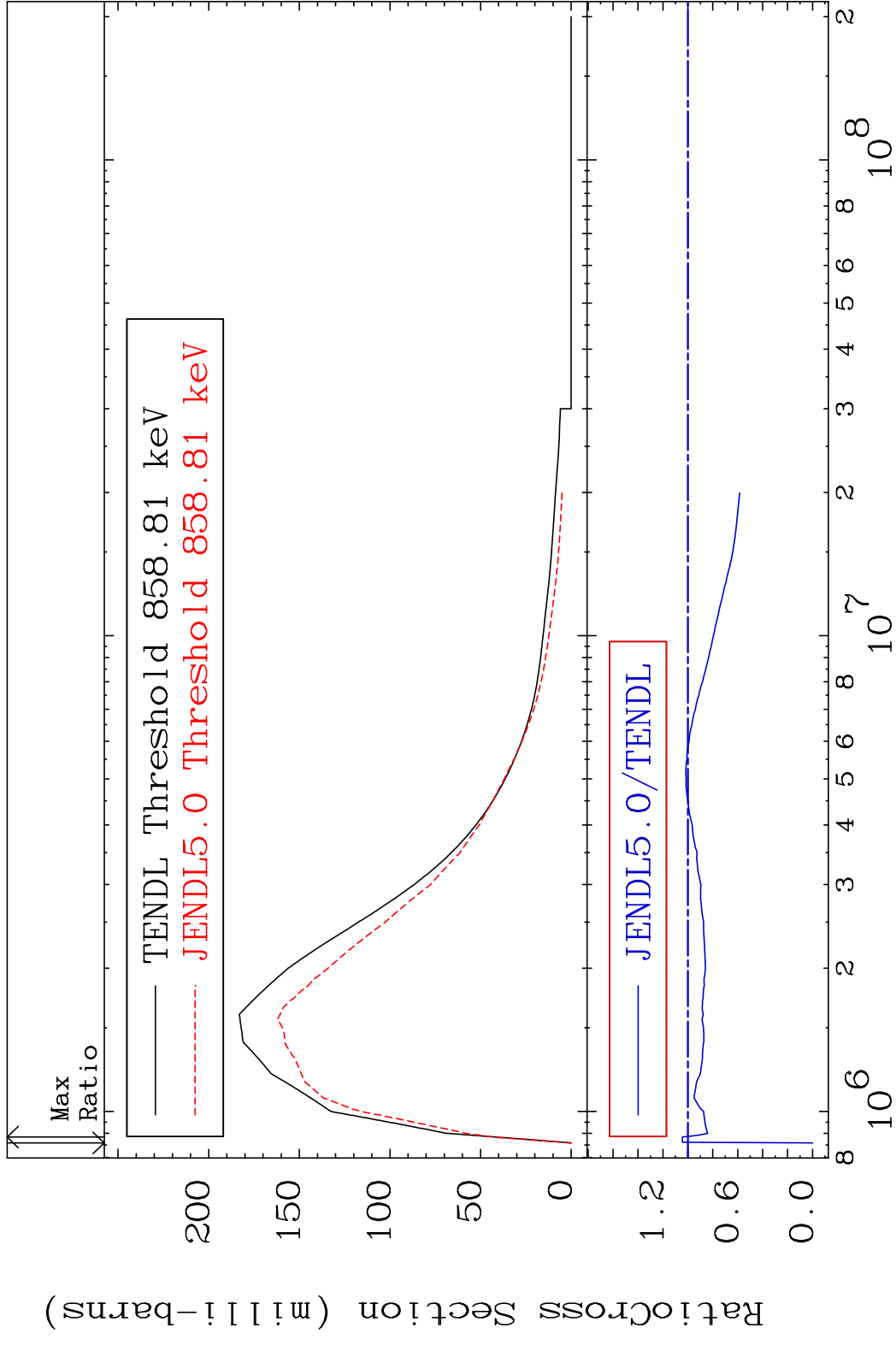
MAT 5337 MT= 53 (n, n') Level 53-I -131
 Cross Section -100.0 To 586.9 %



MAT 5337 MT= 54 (n,n') Level 53-I -131
 Cross Section -100.0 To -2.436%

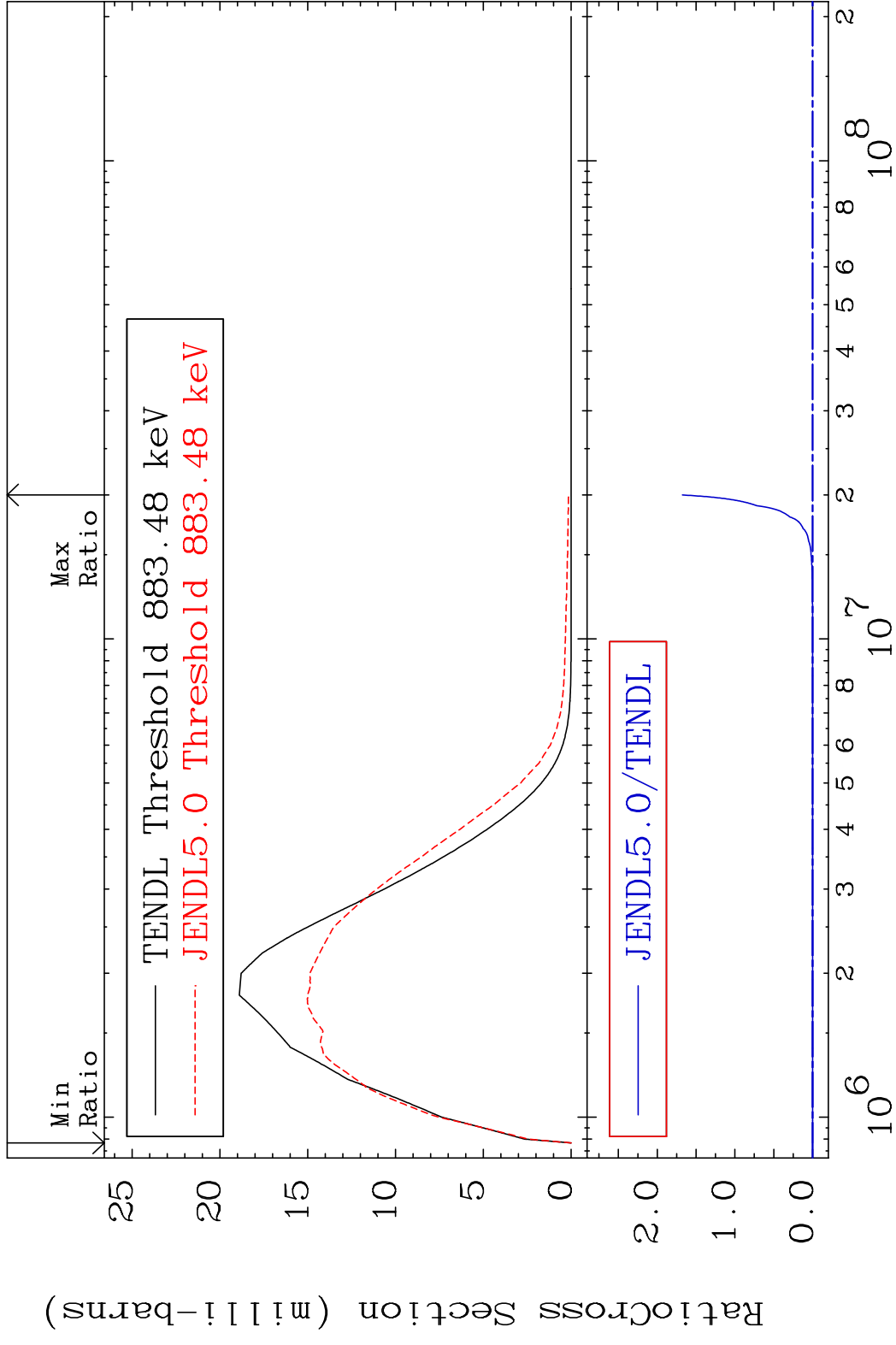


MAT 5337 MT= 55 (n,n') Level 53-I -131
 Cross Section -100.0 To 4.409 %



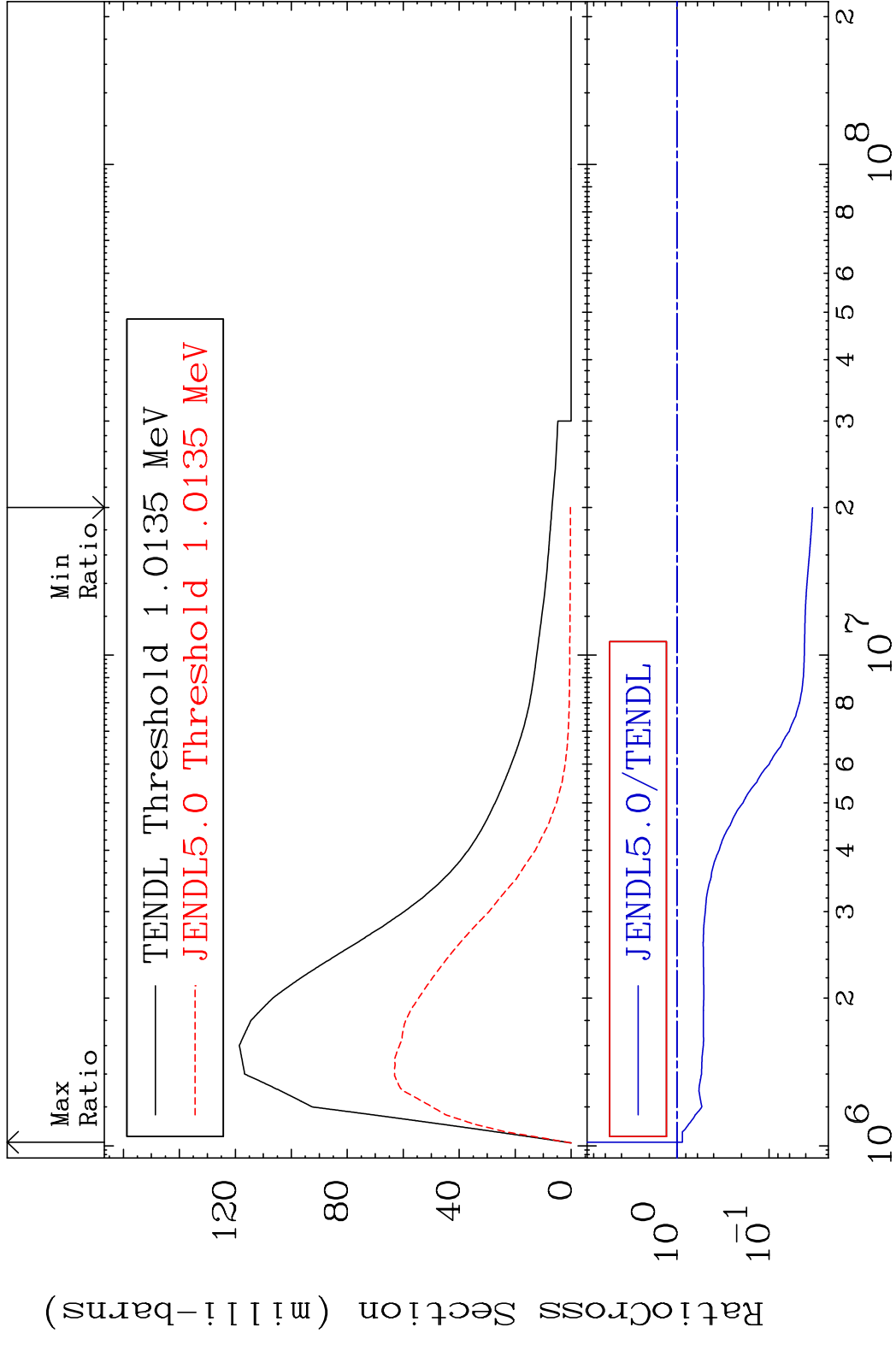
14 Incident Energy (eV) 53-I -131

MAT 5337 MT= 56 (n, n') Level 53-I -131
 Cross Section -100.0 To 9999. %



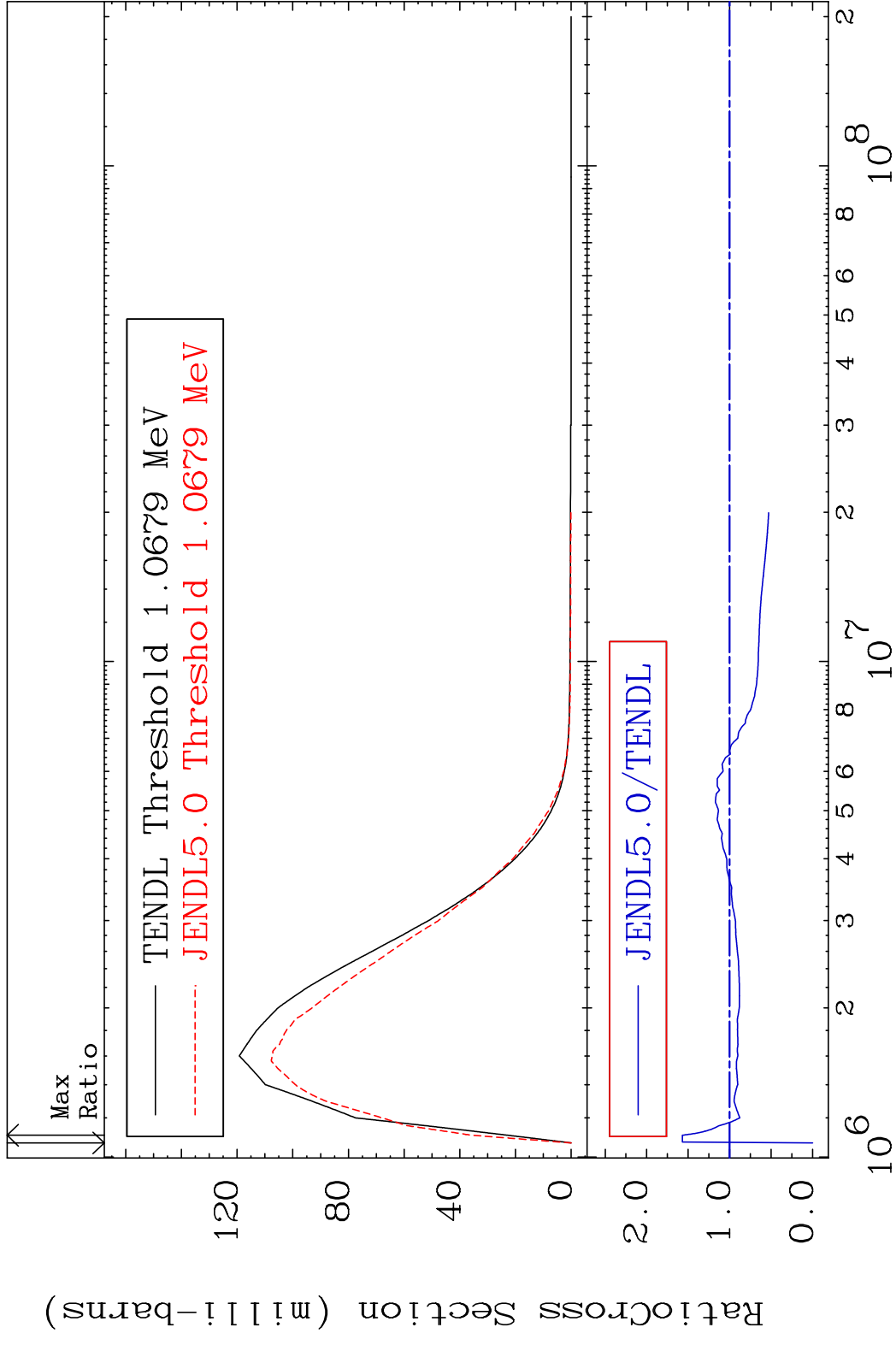
15 Incident Energy (eV) 53-I -131

MAT 5337 MT= 57 (n,n') Level 53-I -131
 Cross Section -96.63 To -12.62%

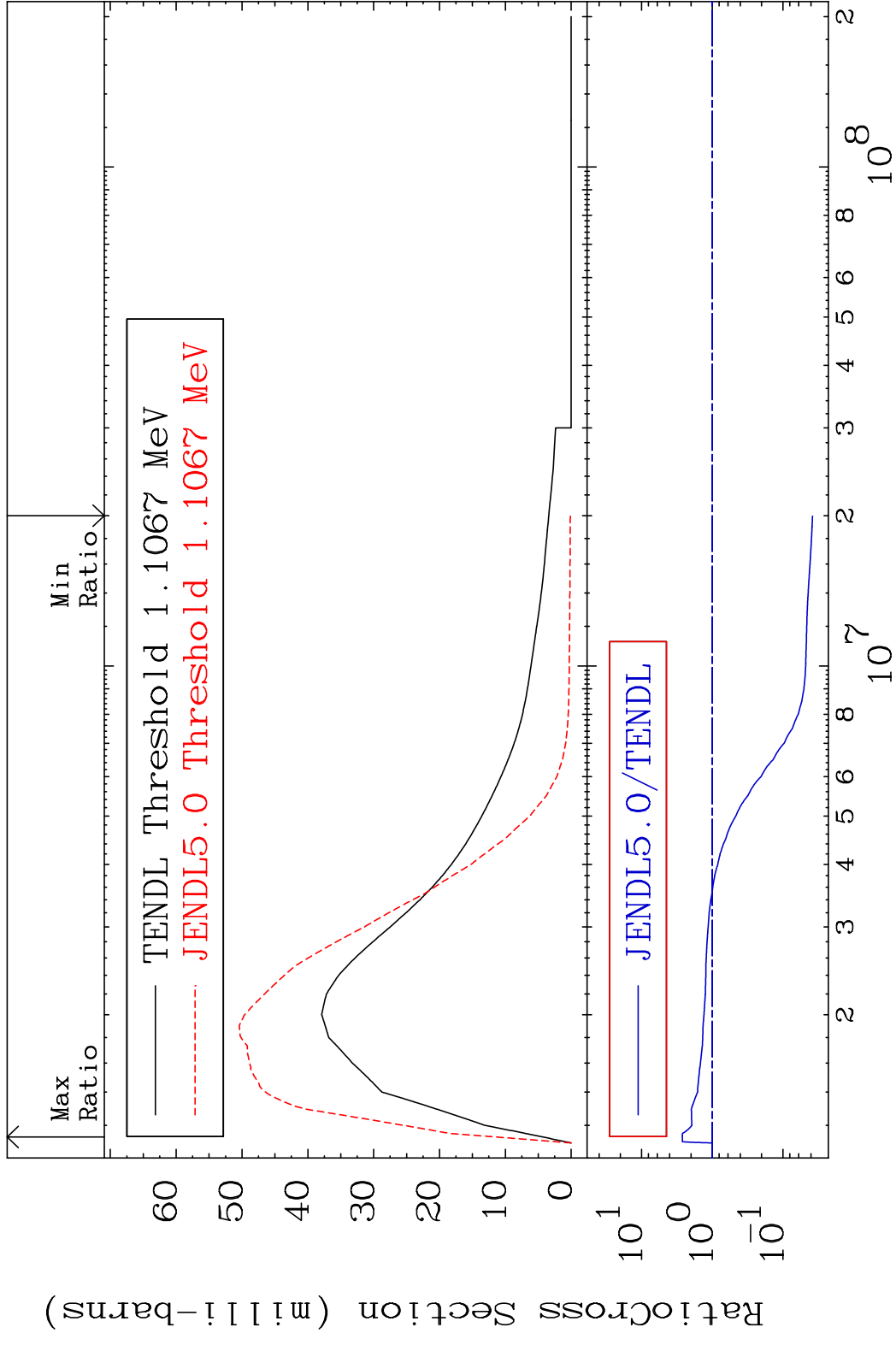


16 Incident Energy (eV) 53-I -131

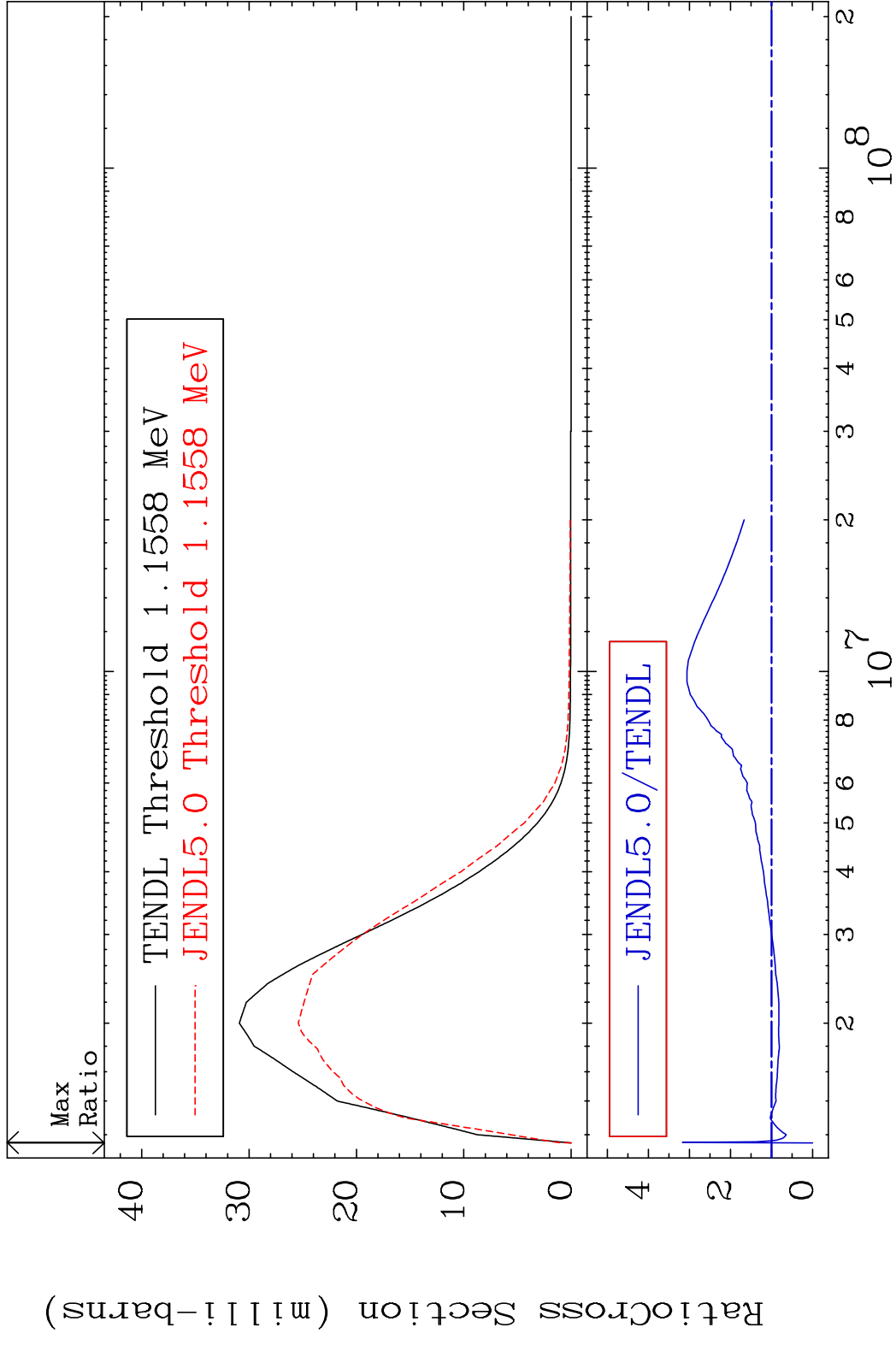
MAT 5337 MT= 58 (n,n') Level 53-I -131
 Cross Section -100.0 To 56.99 %



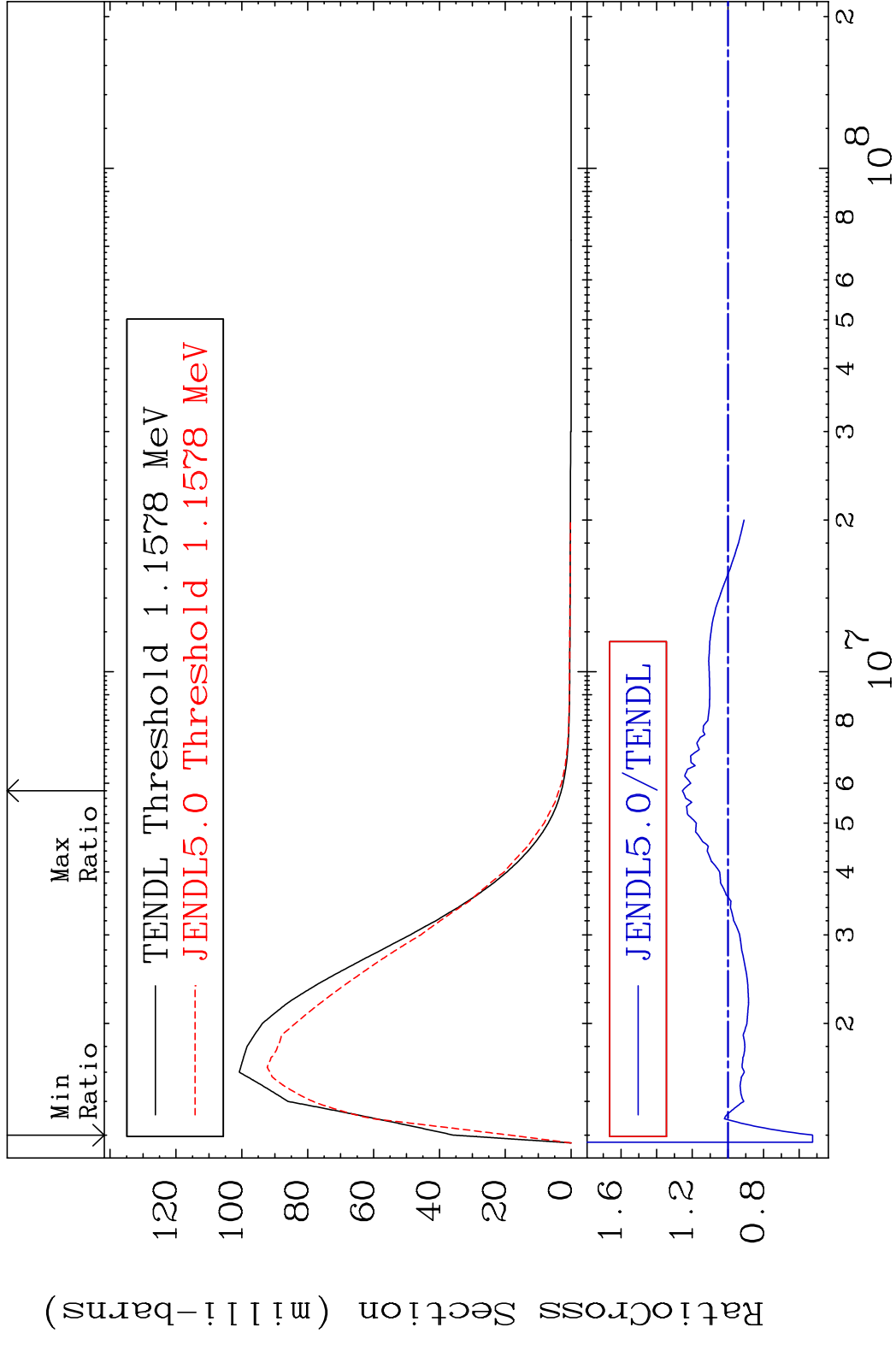
MAT 5337 MT= 59 (n, n') Level 53-I -131
 Cross Section -96.19 To 164.9 %



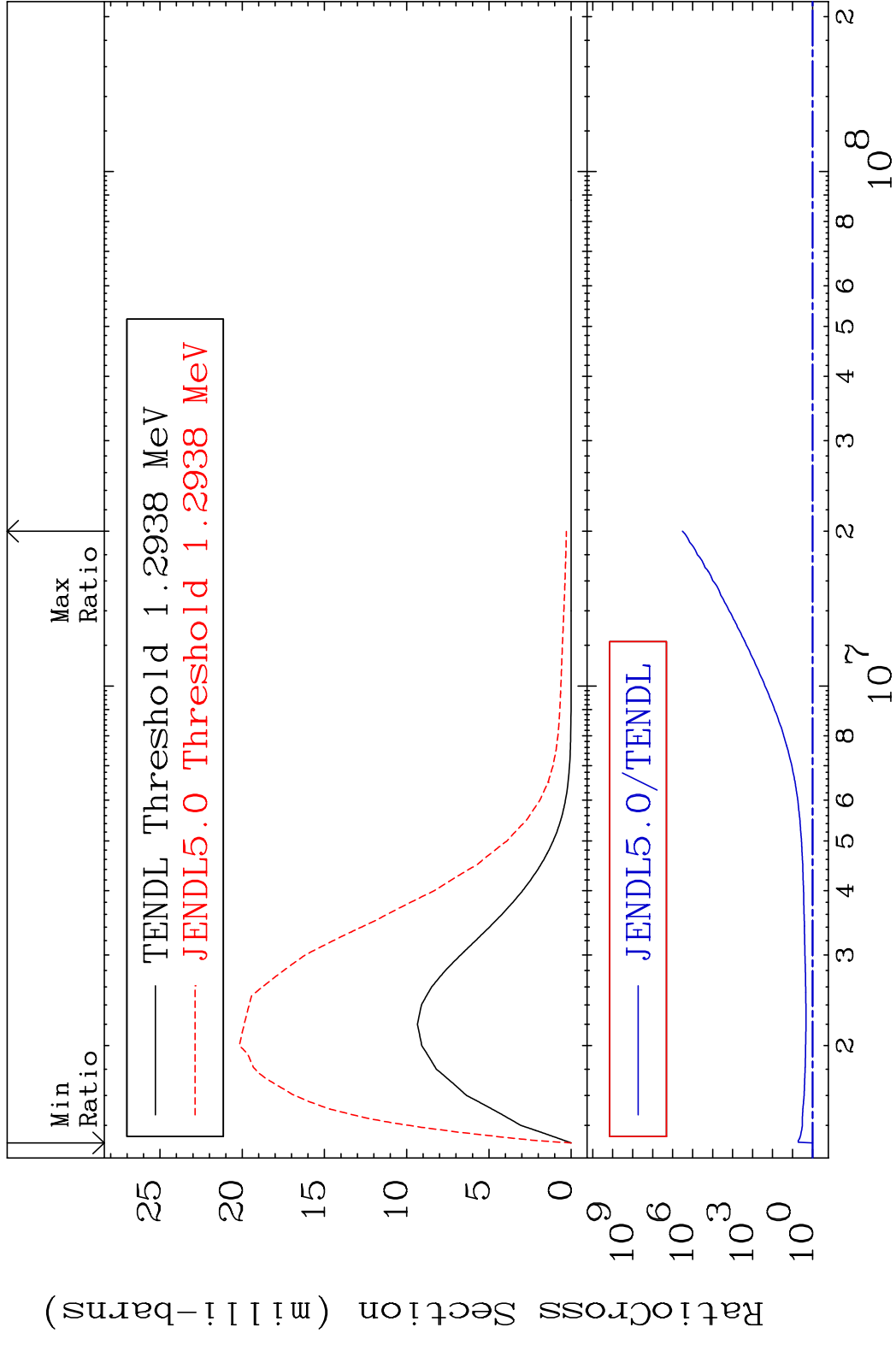
MAT 5337 MT= 60 (n, n') Level 53-I -131
 Cross Section -100.0 To 217.2 %



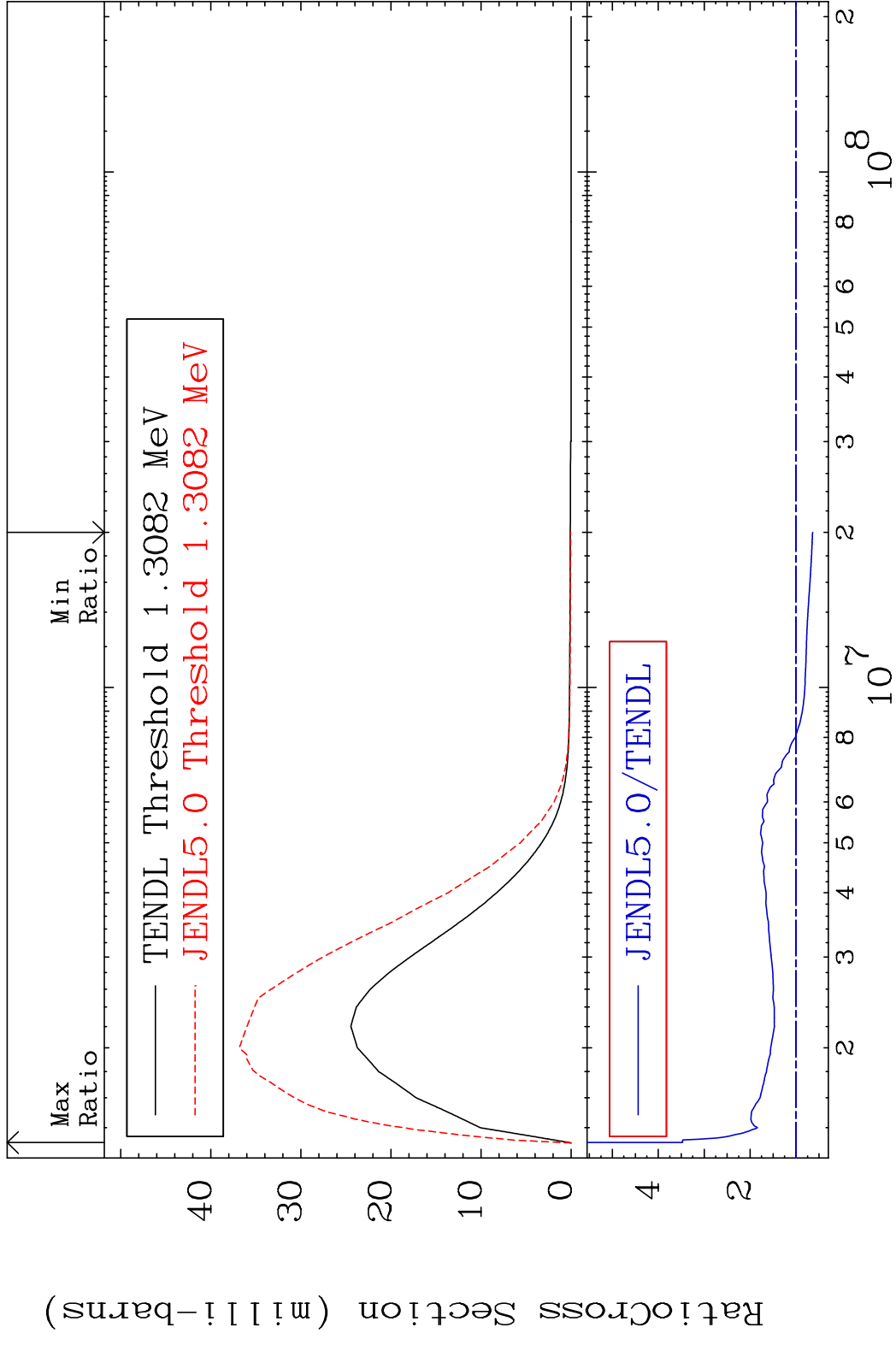
MAT 5337 MT= 61 (n,n') Level 53-I -131
 Cross Section -47.50 To 25.57 %



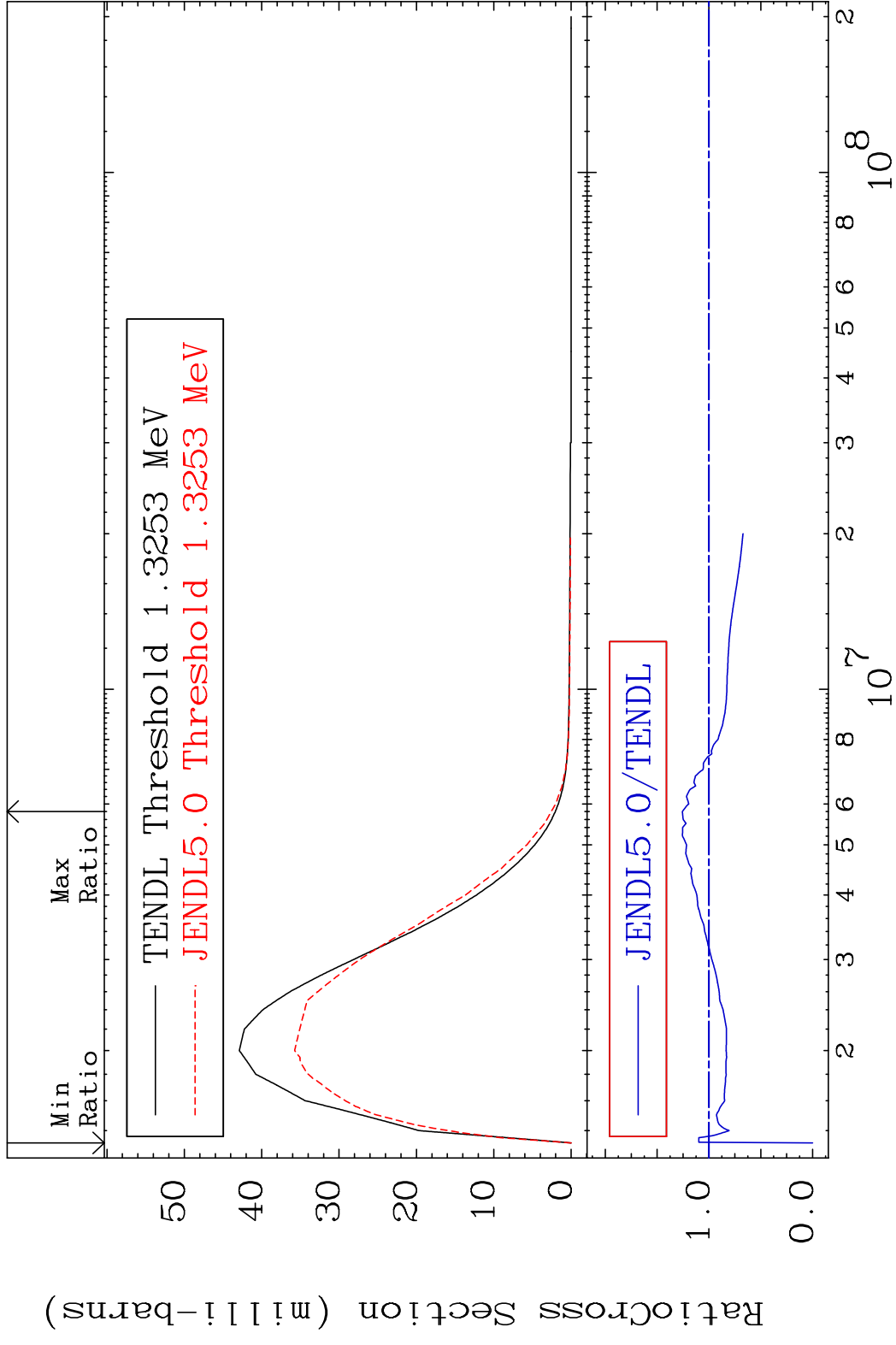
MAT 5337 MT= 62 (n, n') Level 53-I -131
 Cross Section 0.000 To 9999. %



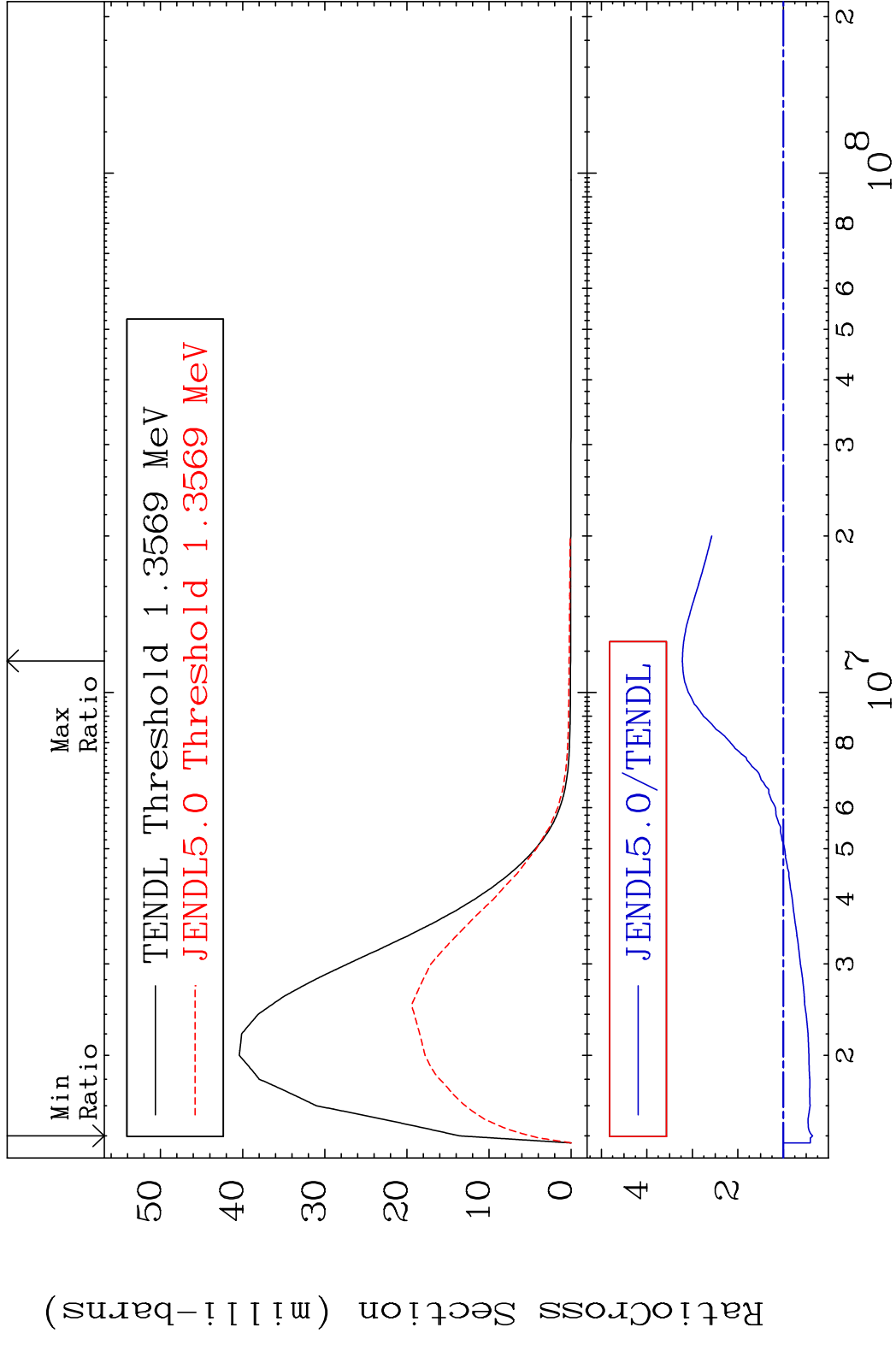
MAT 5337 MT= 63 (n, n') Level 53-I -131
 Cross Section -35.91 To 247.6 %



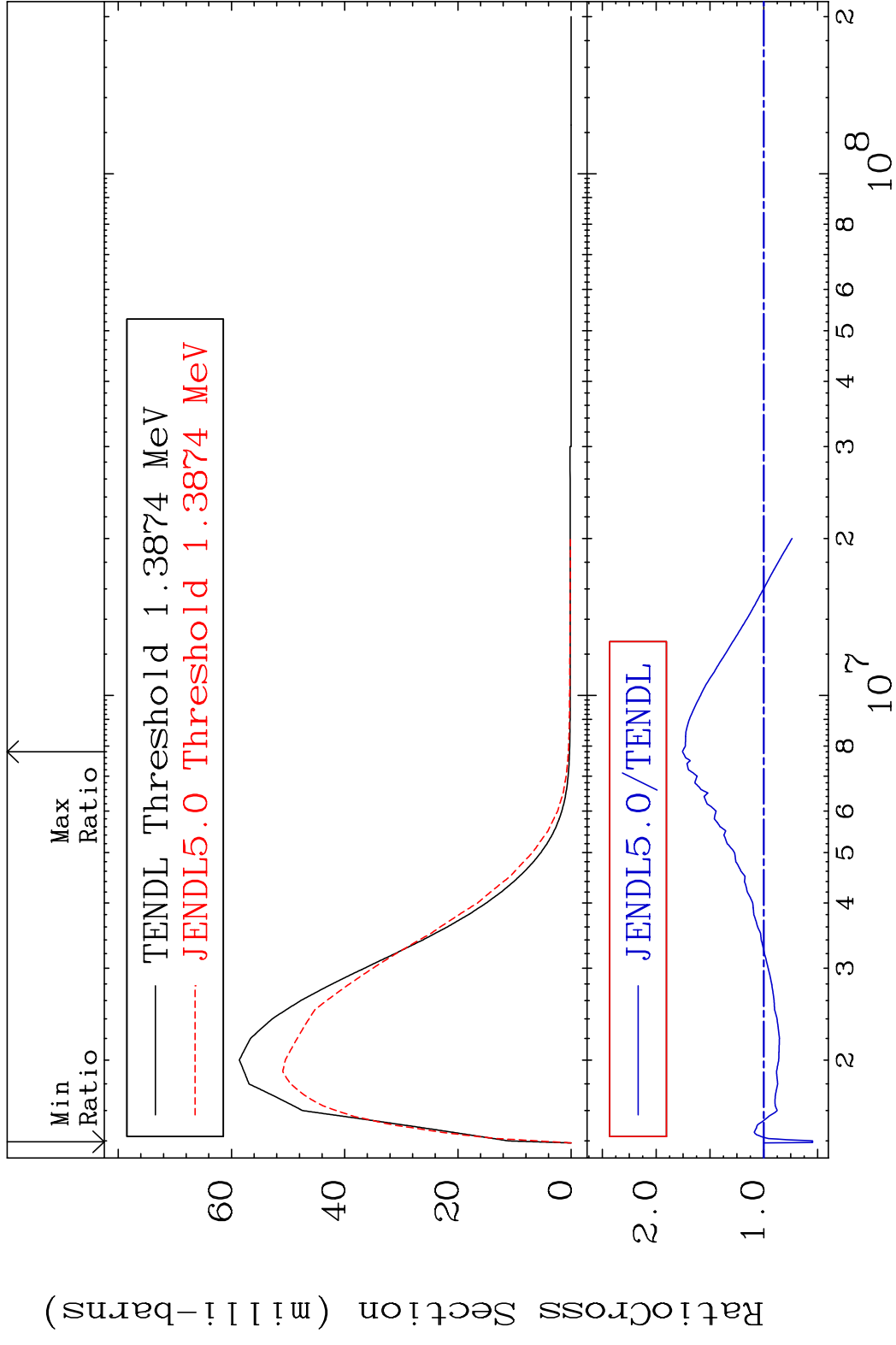
MAT 5337 MT= 64 (n,n') Level 53-I -131
 Cross Section -100.0 To 25.67 %



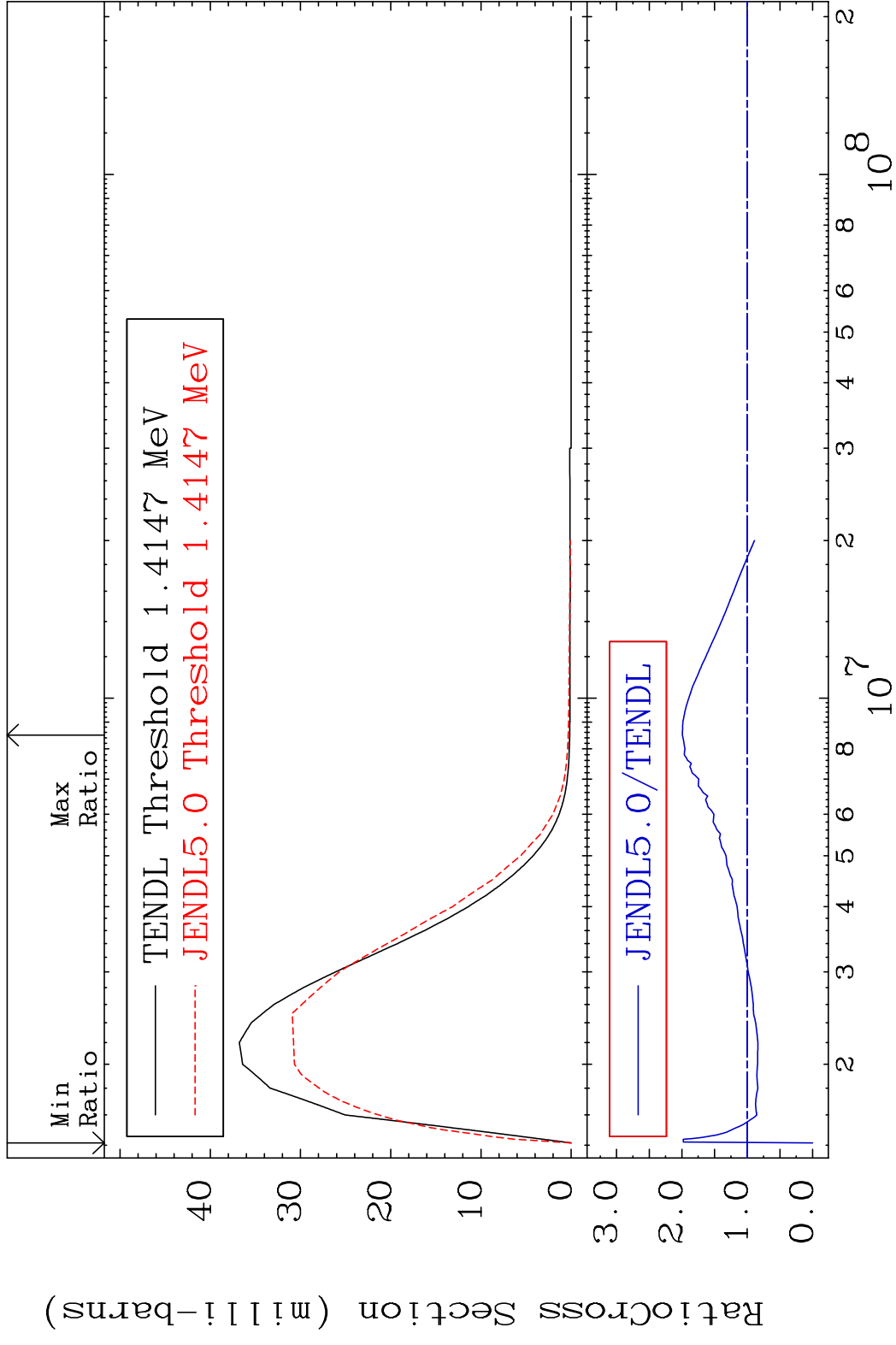
MAT 5337 MT= 65 (n,n') Level 53-I -131
 Cross Section -63.93 To 222.0 %



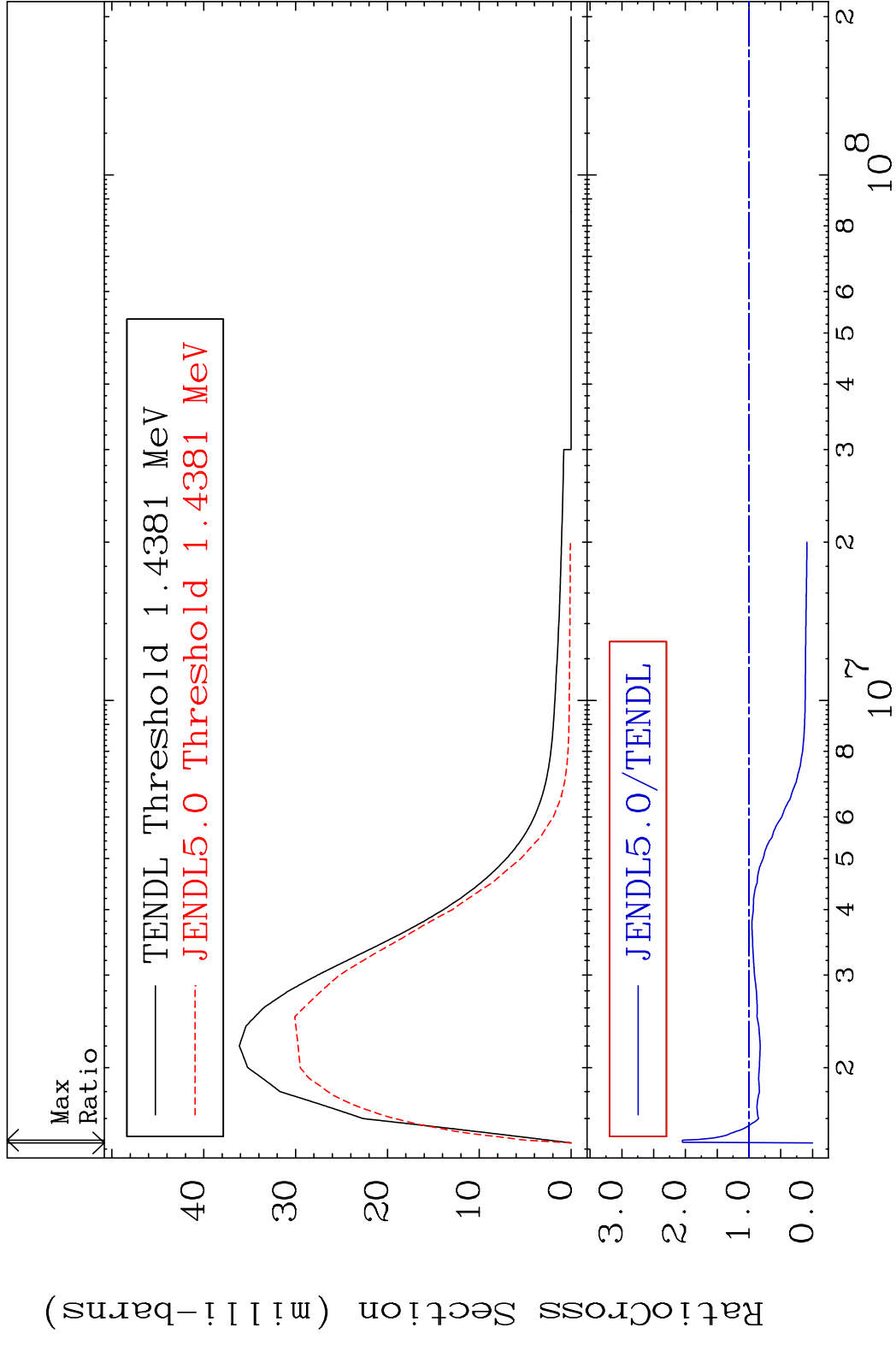
MAT 5337 MT= 66 (n,n') Level 53-I -131
 Cross Section -45.32 To 75.70 %



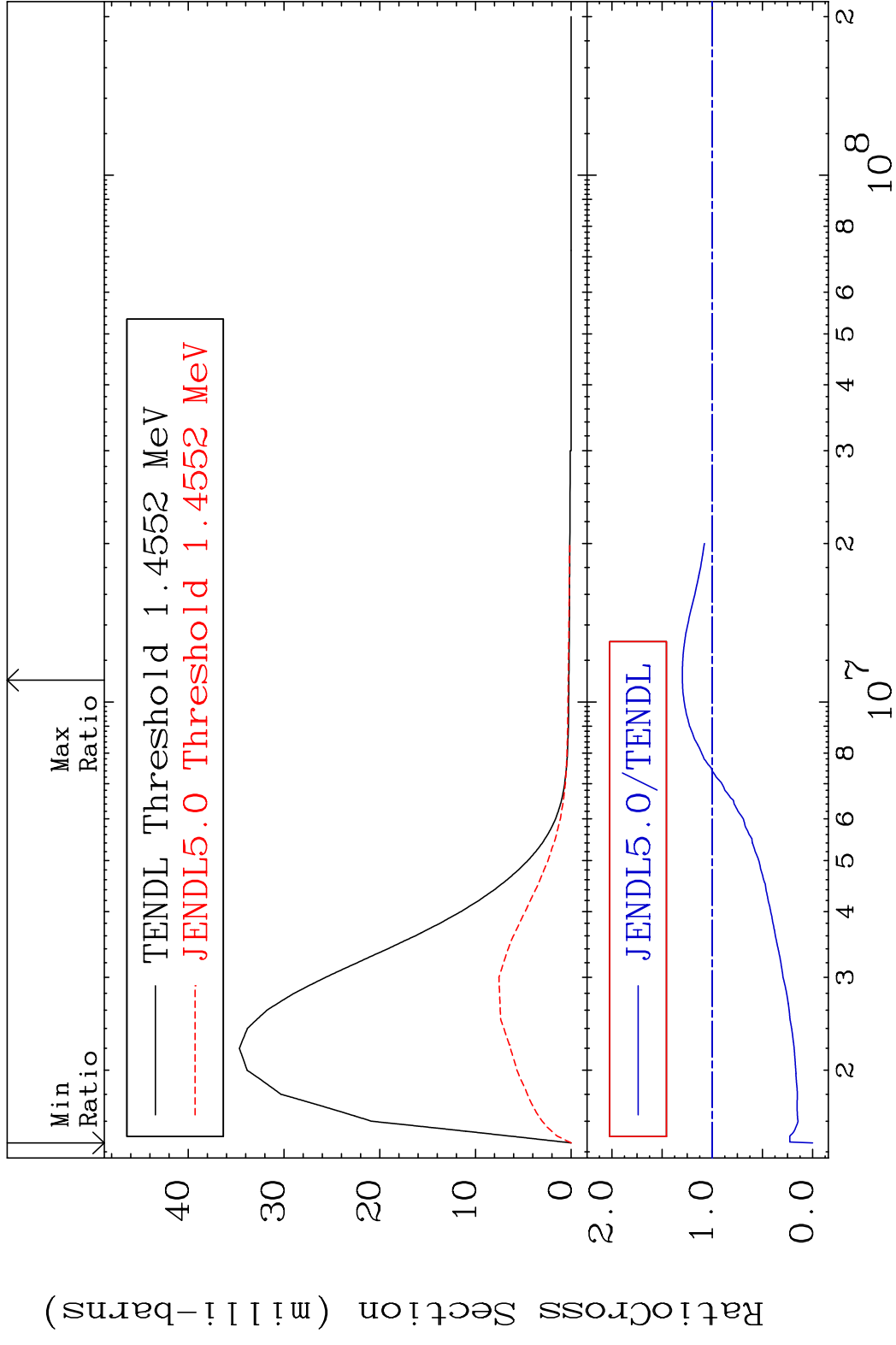
MAT 5337 MT= 67 (n,n') Level 53-I -131
 Cross Section -100.0 To 99.29 %



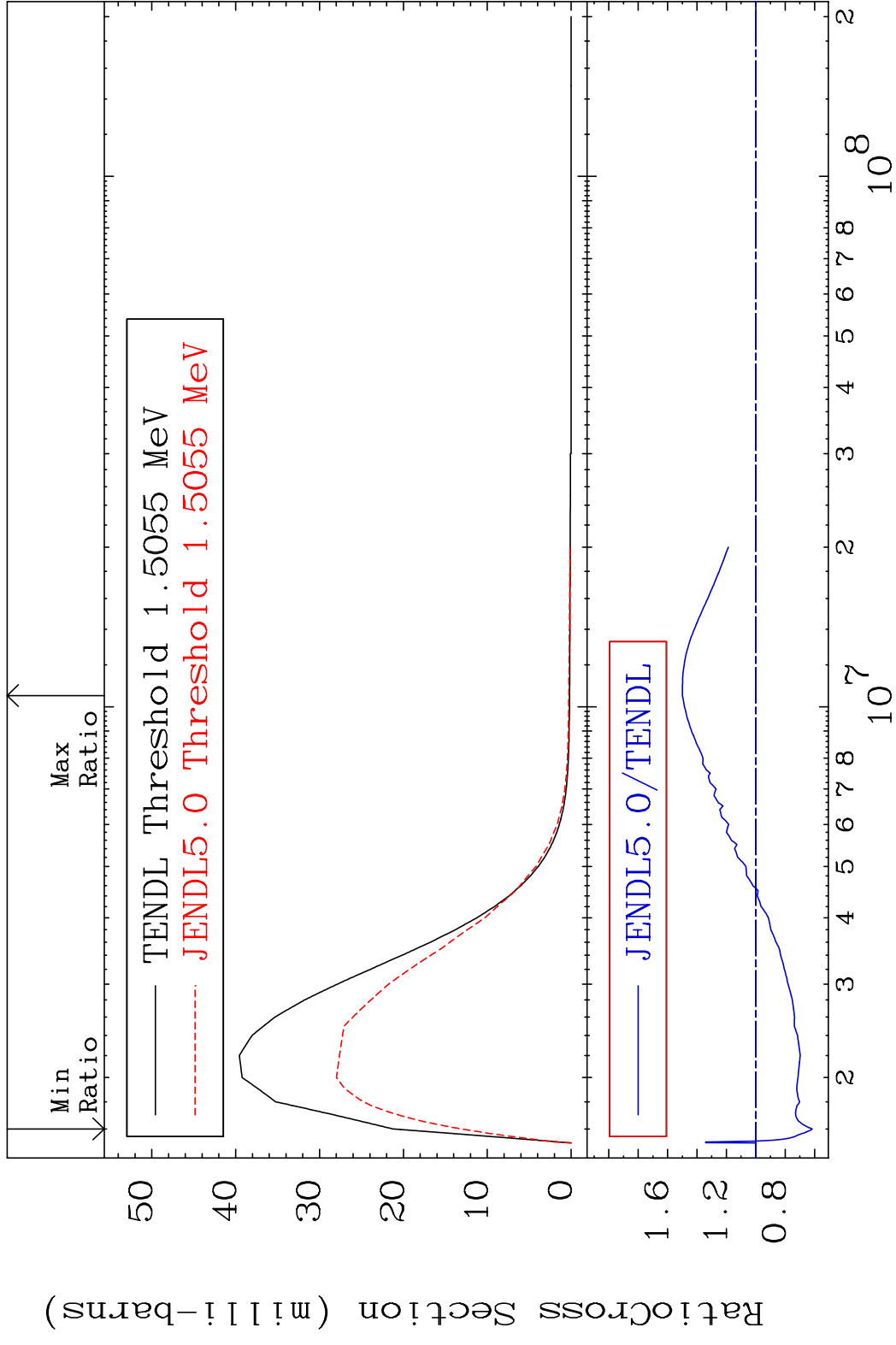
MAT 5337 MT= 68 (n,n') Level 53-I -131
 Cross Section -100.0 To 104.8 %



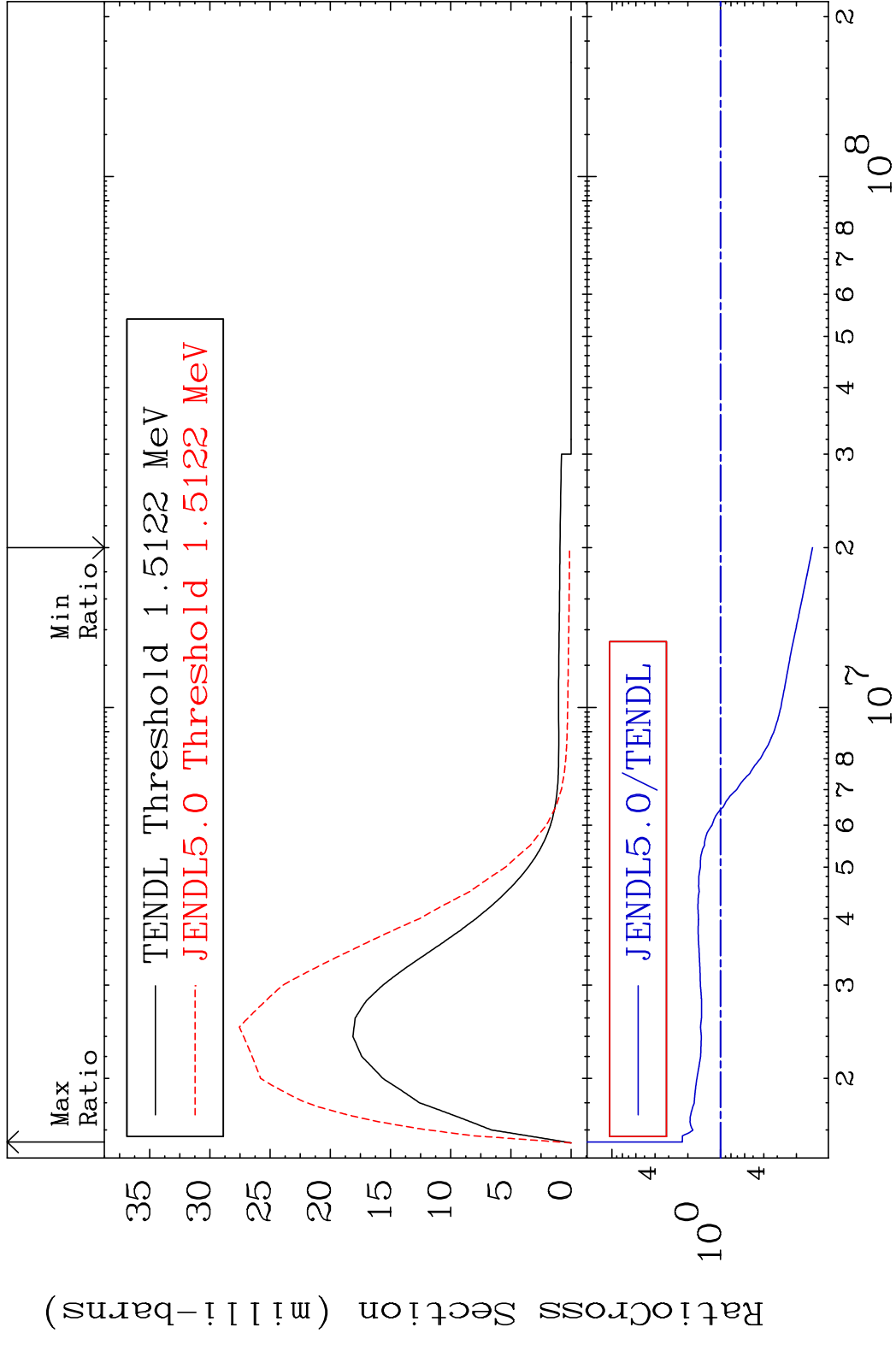
MAT 5337 MT= 69 (n, n') Level 53-I -131
 Cross Section -100.0 To 29.74 %



MAT 5337 MT= 70 (n,n') Level 53-I -131
 Cross Section -38.59 To 49.95 %

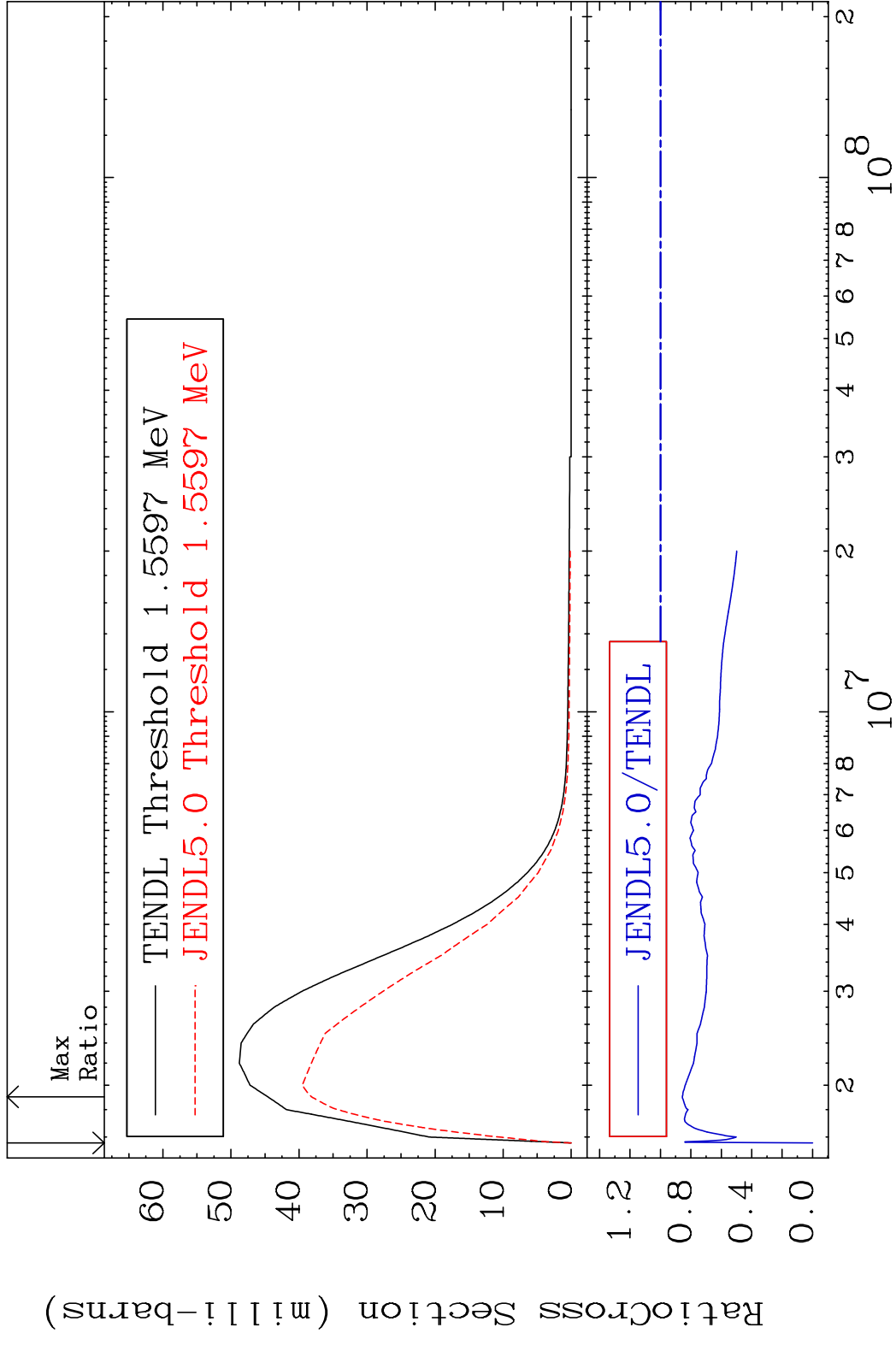


MAT 5337 MT= 71 (n, n') Level 53-I -131
 Cross Section -85.79 To 124.4 %

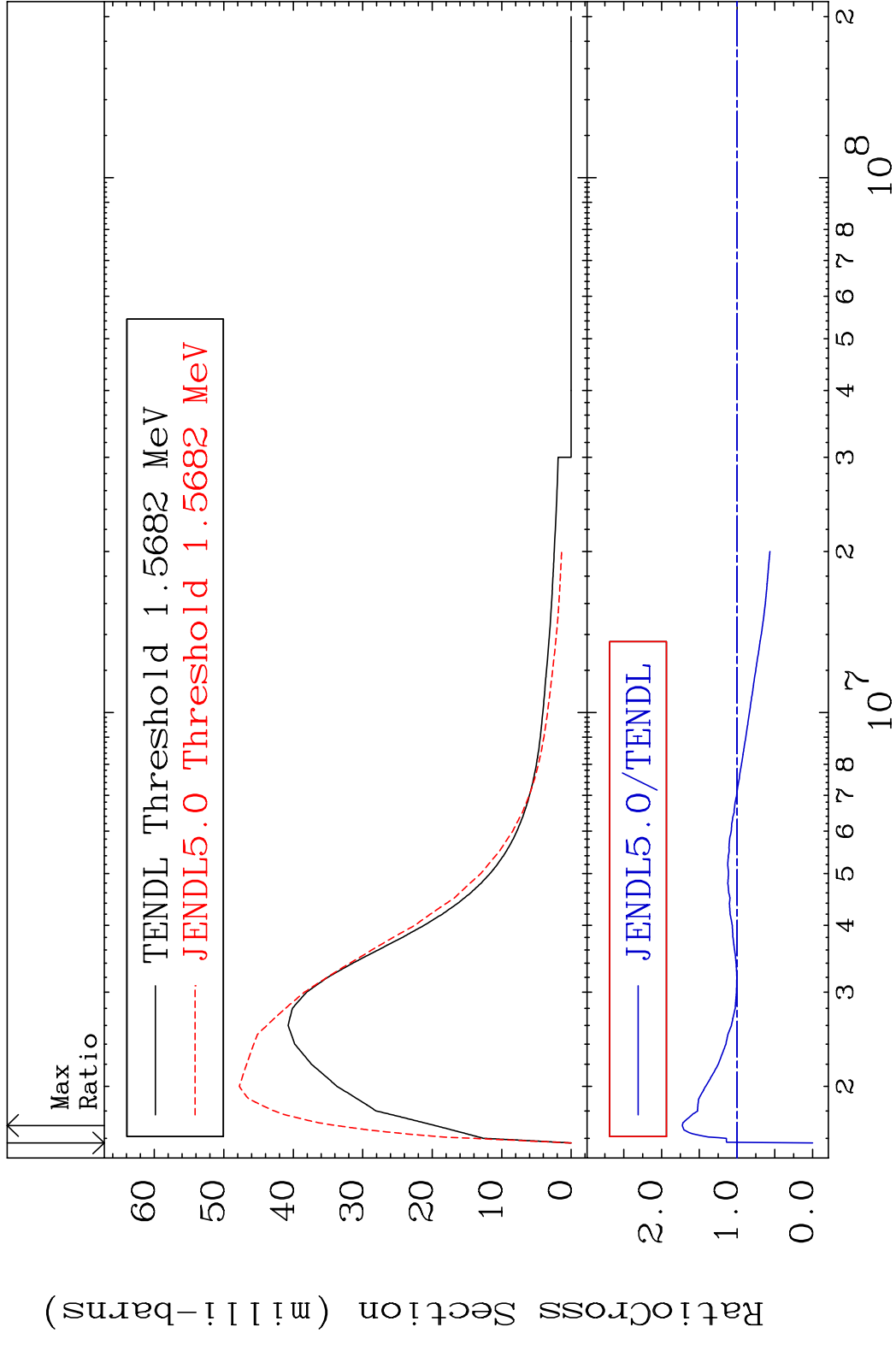


30 Incident Energy (eV) 53-I -131

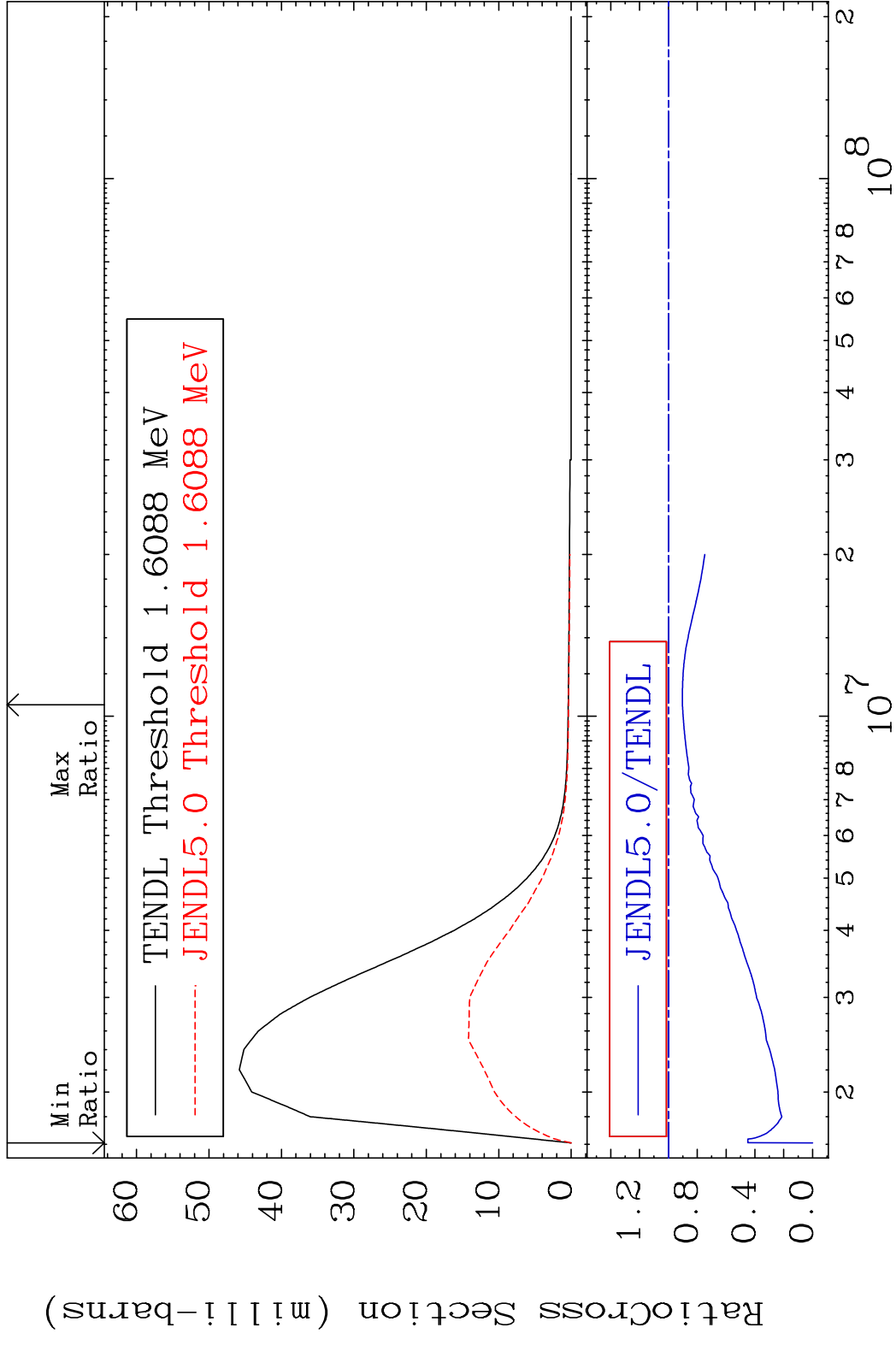
MAT 5337 MT= 72 (n,n') Level 53-I -131
 Cross Section -100.0 To -14.41%



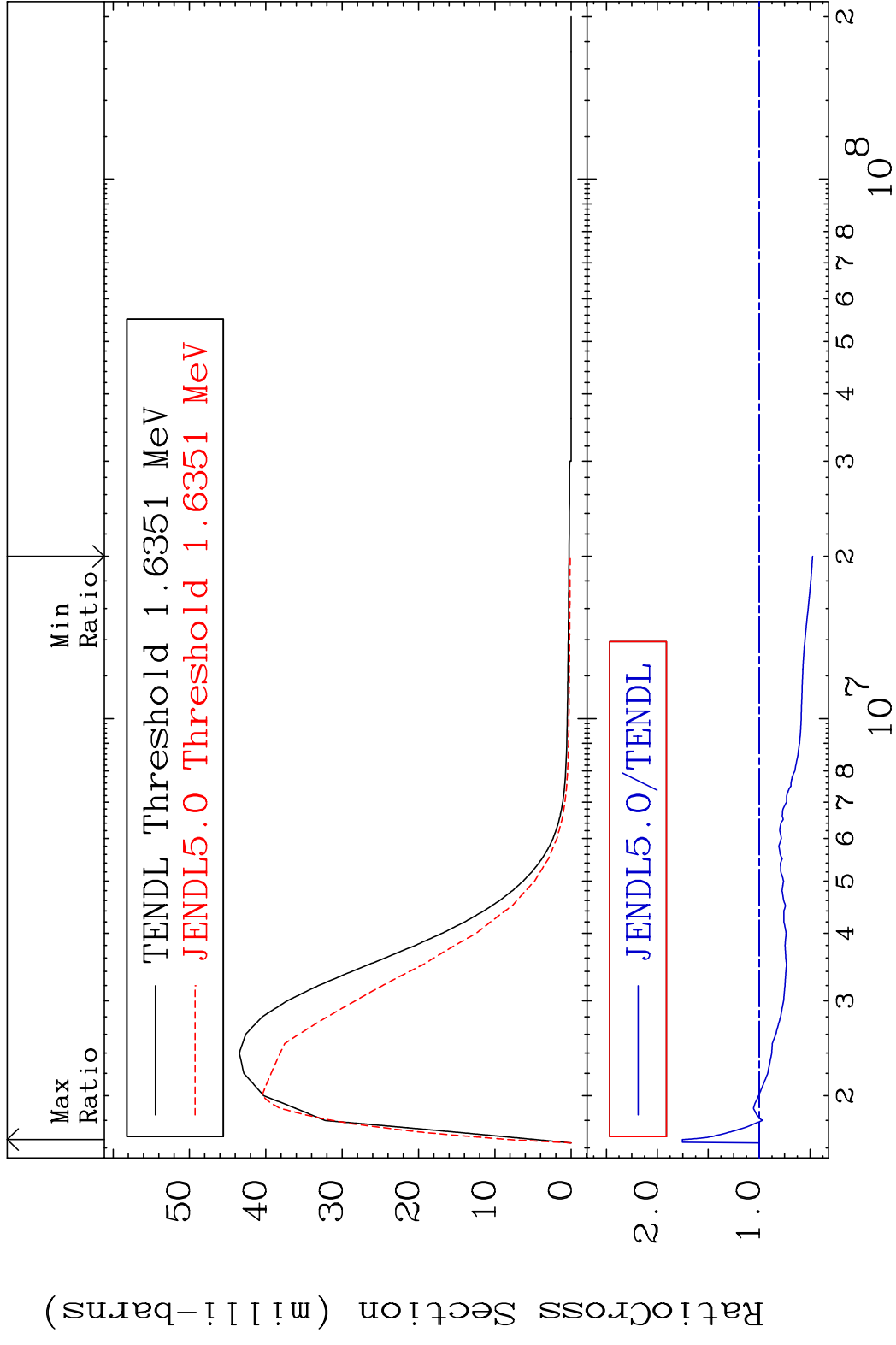
MAT 5337 MT= 73 (n,n') Level 53-I -131
 Cross Section -100.0 To 72.44 %



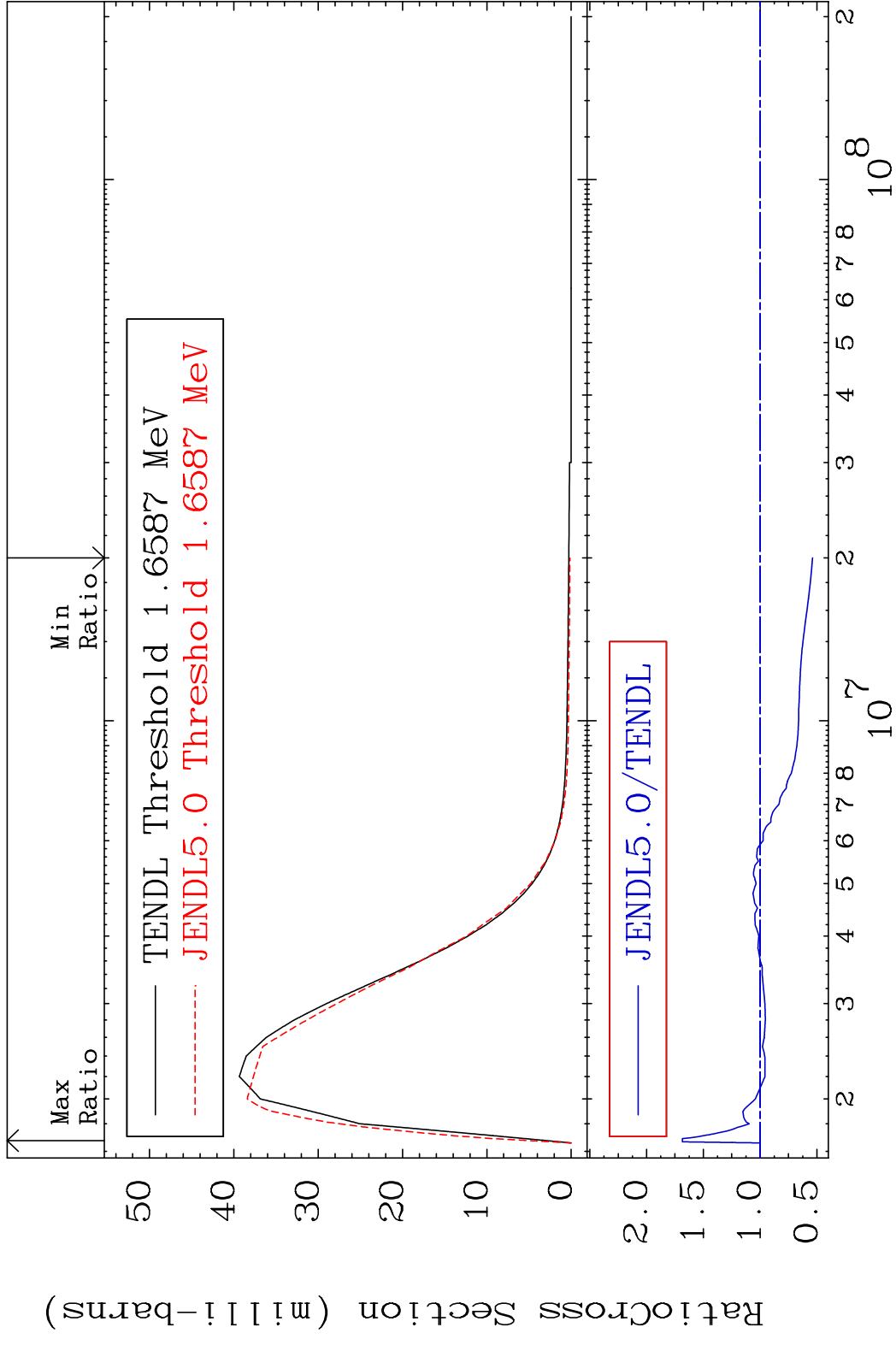
MAT 5337 MT= 74 (n,n') Level 53-I -131
 Cross Section -100.0 To -9.680%



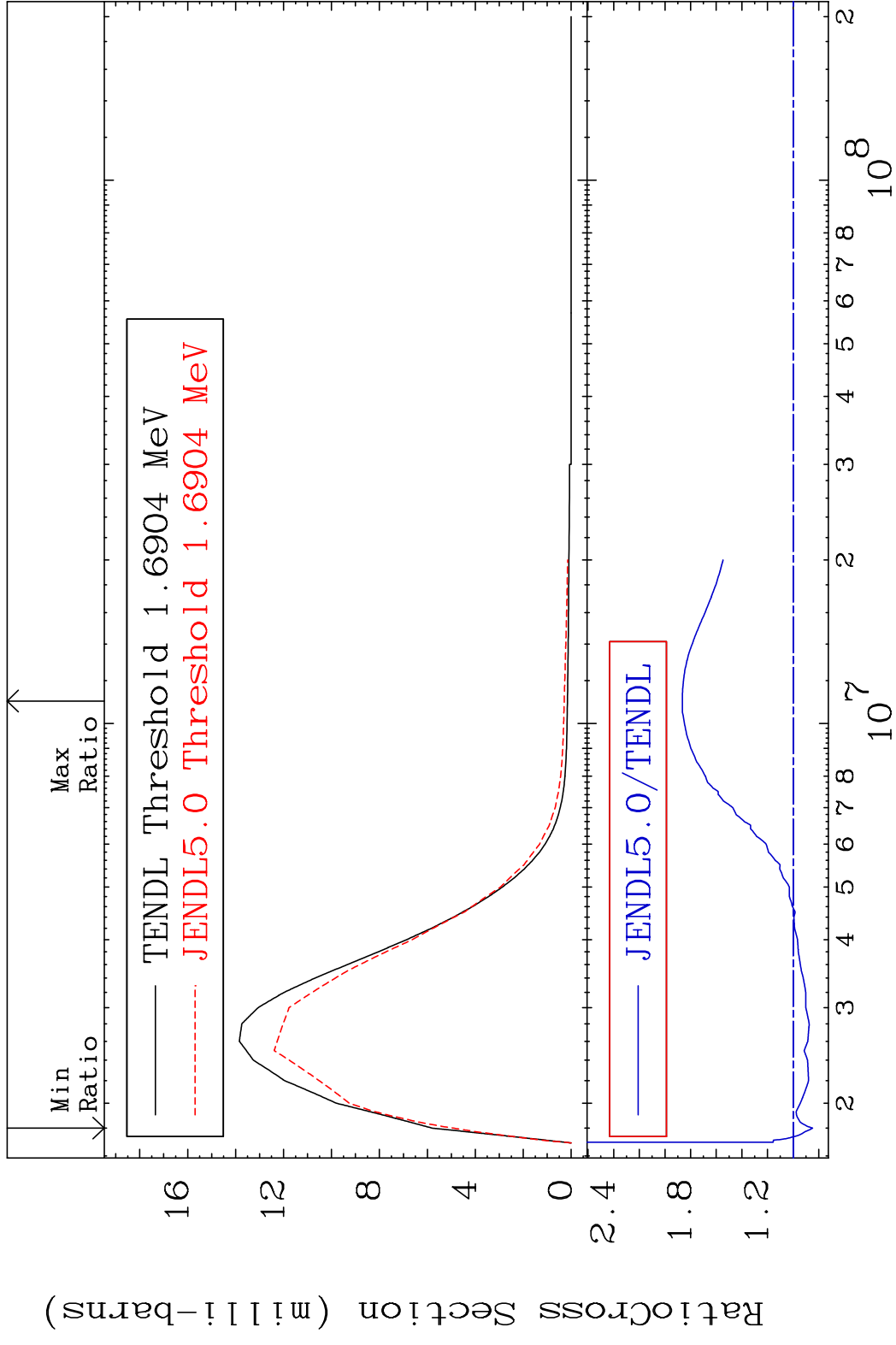
MAT 5337 MT= 75 (n, n') Level 53-I -131
 Cross Section -52.39 To 75.41 %



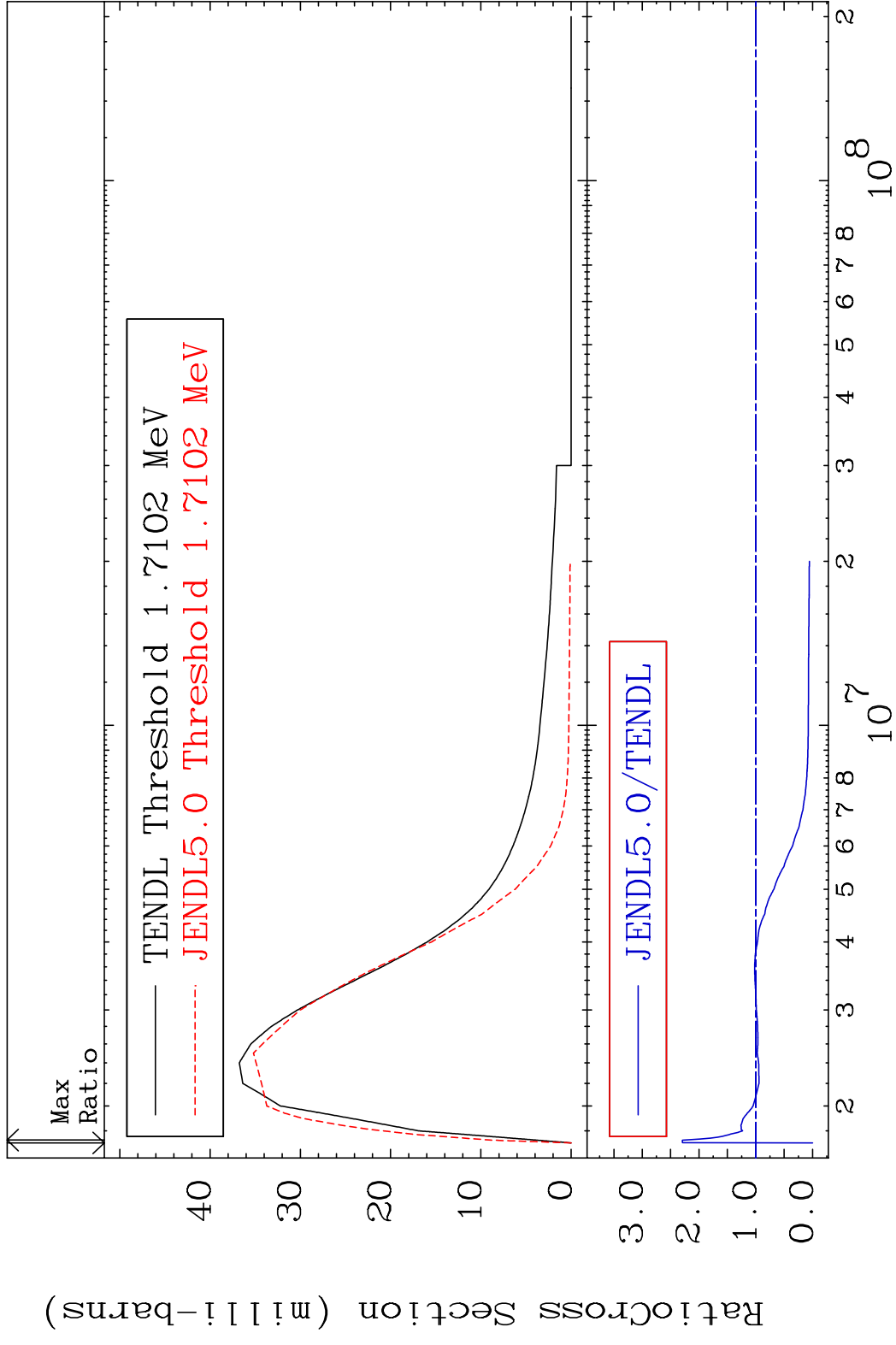
MAT 5337 MT= 76 (n,n') Level 53-I -131
 Cross Section -46.19 To 68.49 %



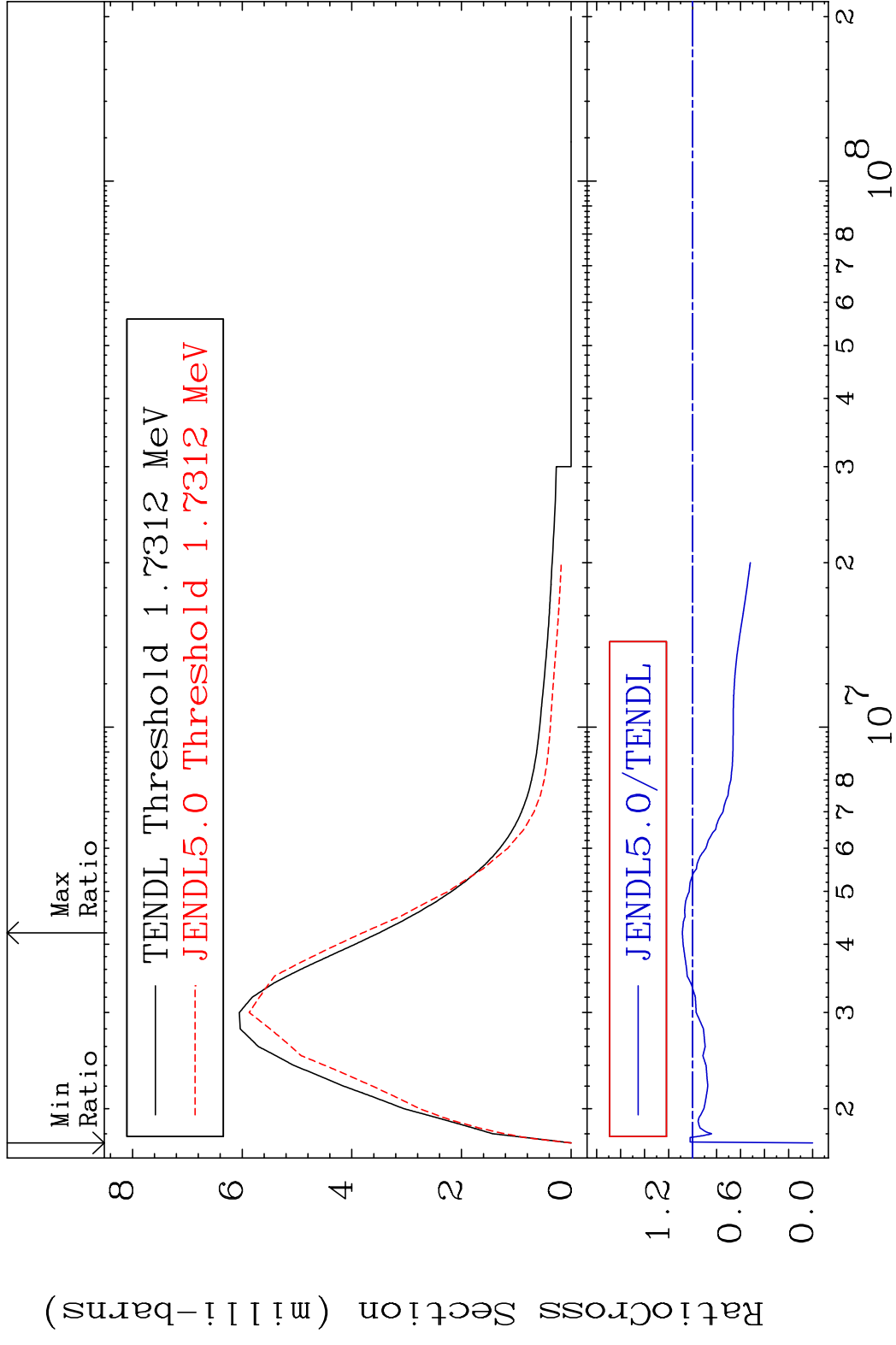
MAT 5337 MT= 77 (n,n') Level 53-I -131
 Cross Section -15.14 To 86.43 %



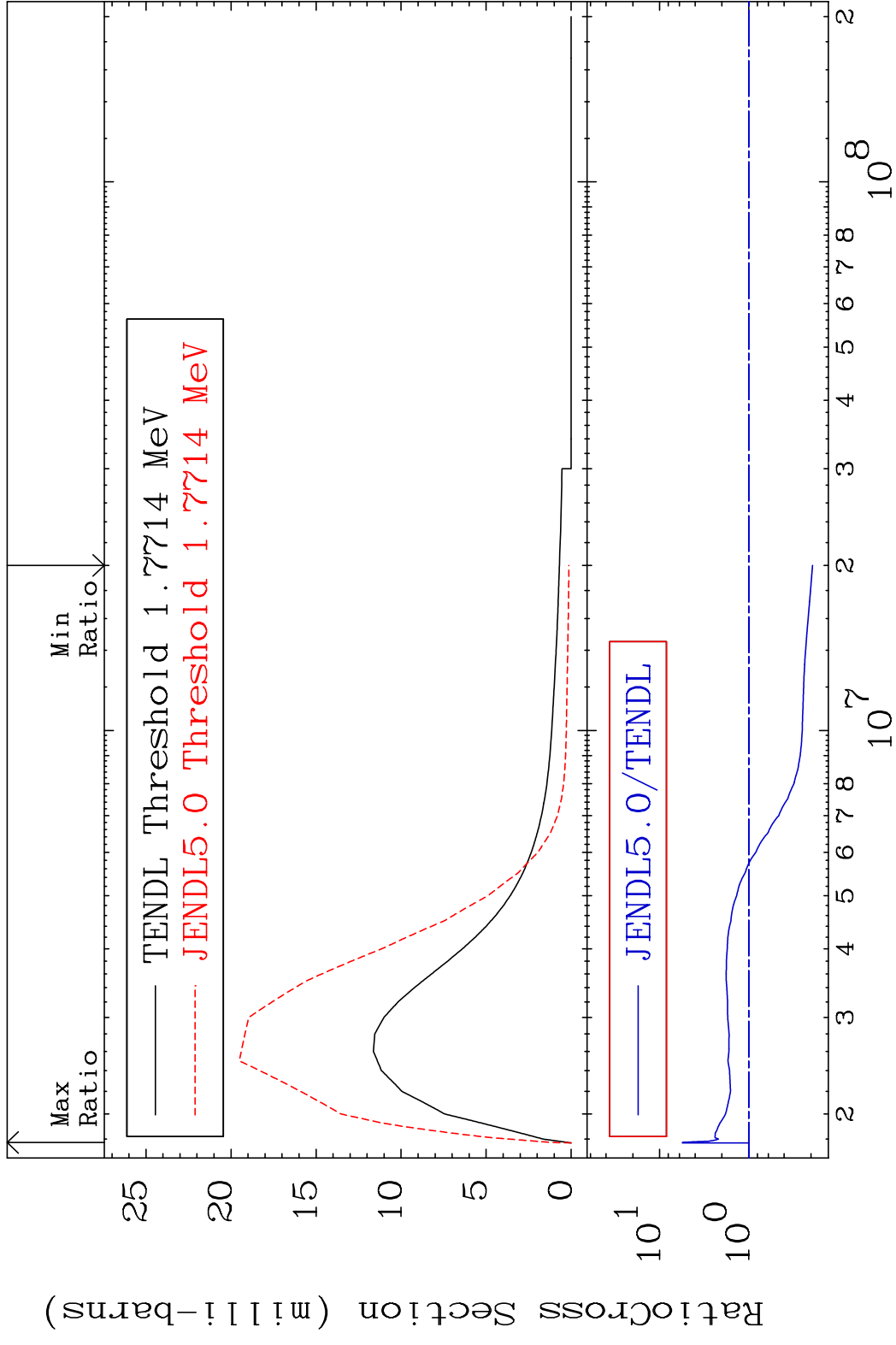
MAT 5337 MT= 78 (n,n') Level 53-I -131
 Cross Section -100.0 To 129.4 %



MAT 5337 MT= 79 (n,n') Level 53-I -131
 Cross Section -100.0 To 8.546 %



MAT 5337 MT= 80 (n, n') Level 53-I -131
 Cross Section -80.83 To 456.0 %

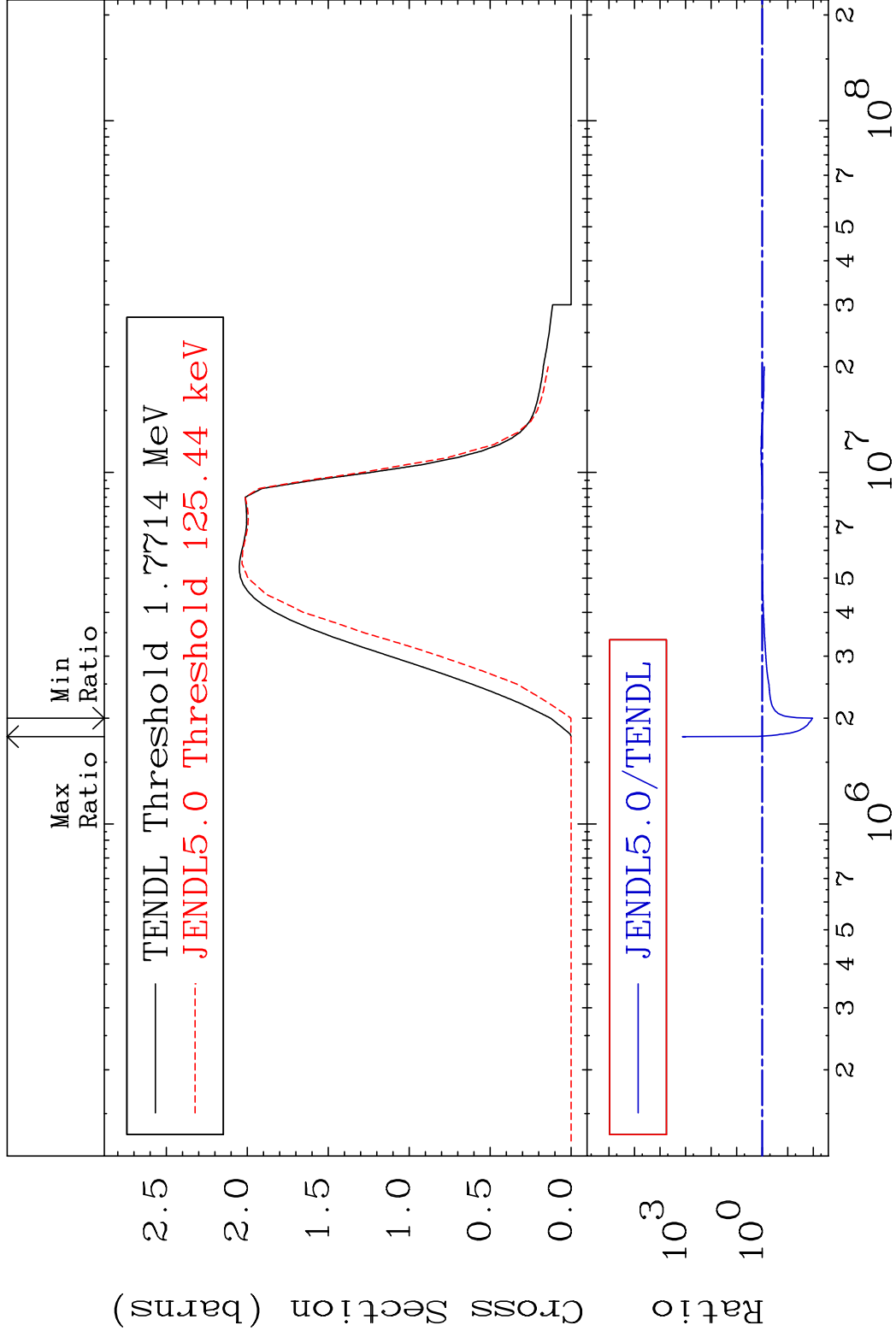


MAT 5337

(n, n') Continuum

53-I -131

Cross Section -98.93 To 9999. %



40

Incident Energy (eV)

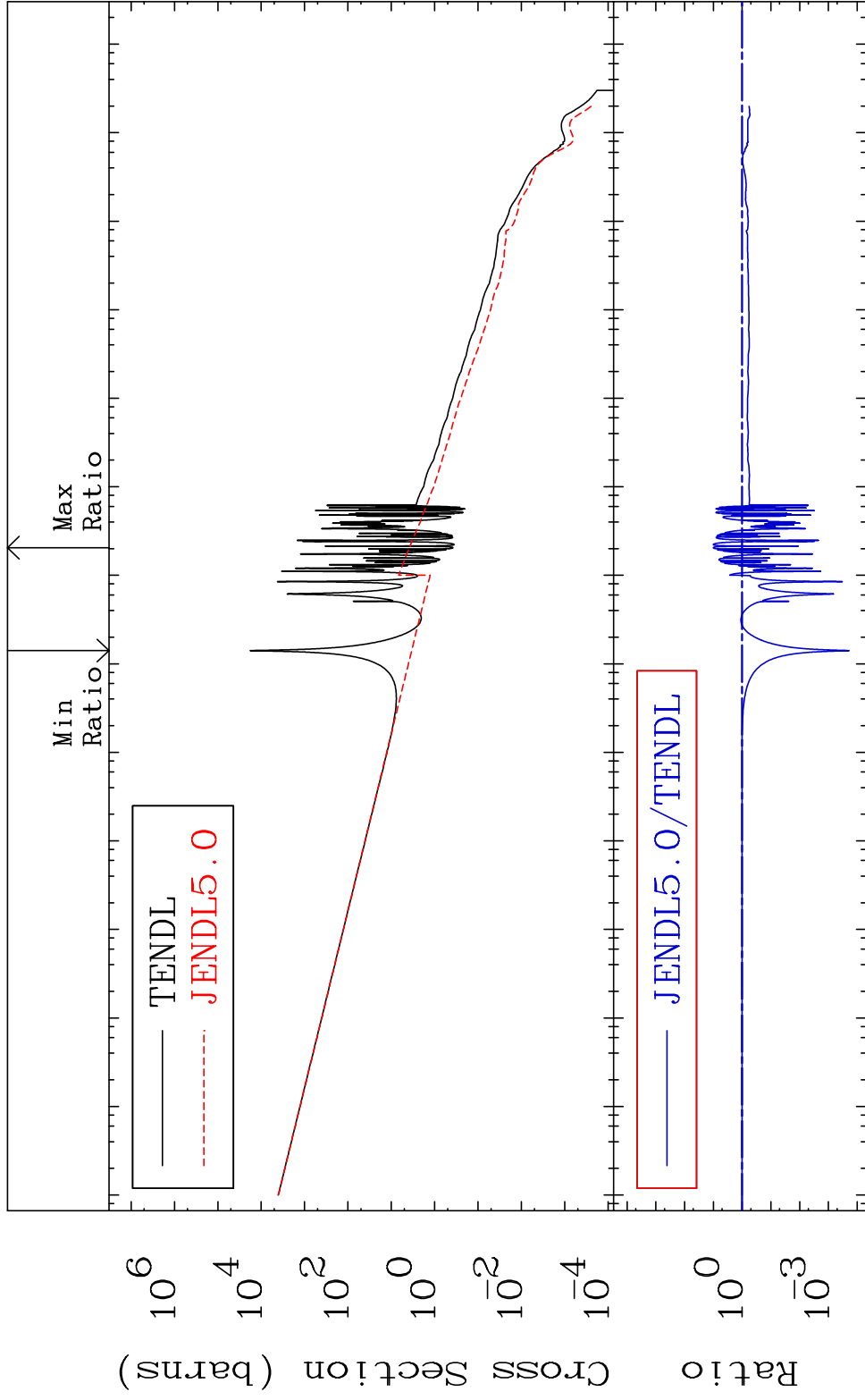
53-I -131

MAT 5337

(n, γ)

53-I -131

Cross Section -99.98 To 914.1 %



41

Incident Energy (eV)

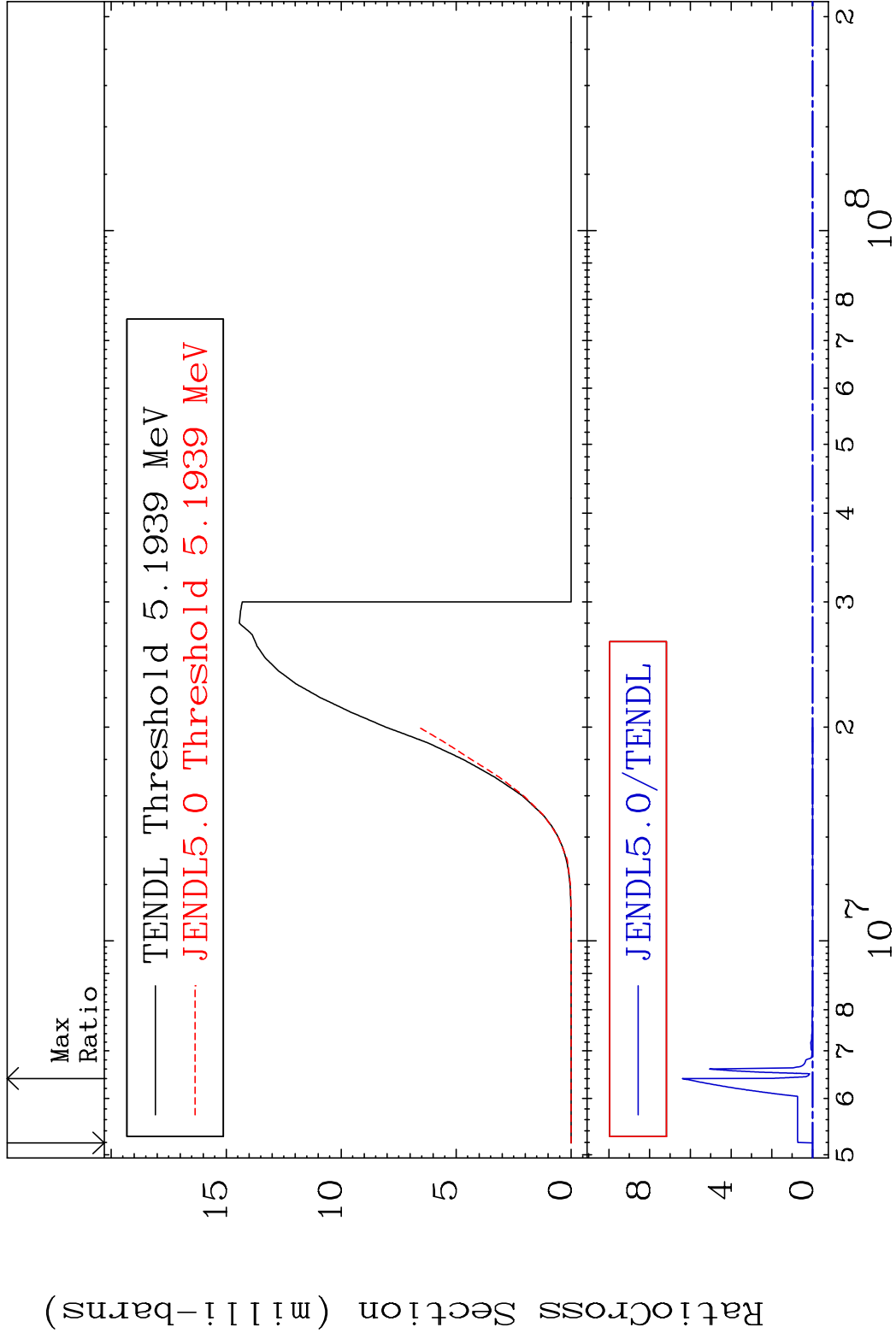
53-I -131

MAT 5337

(n,d)

53-I -131

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

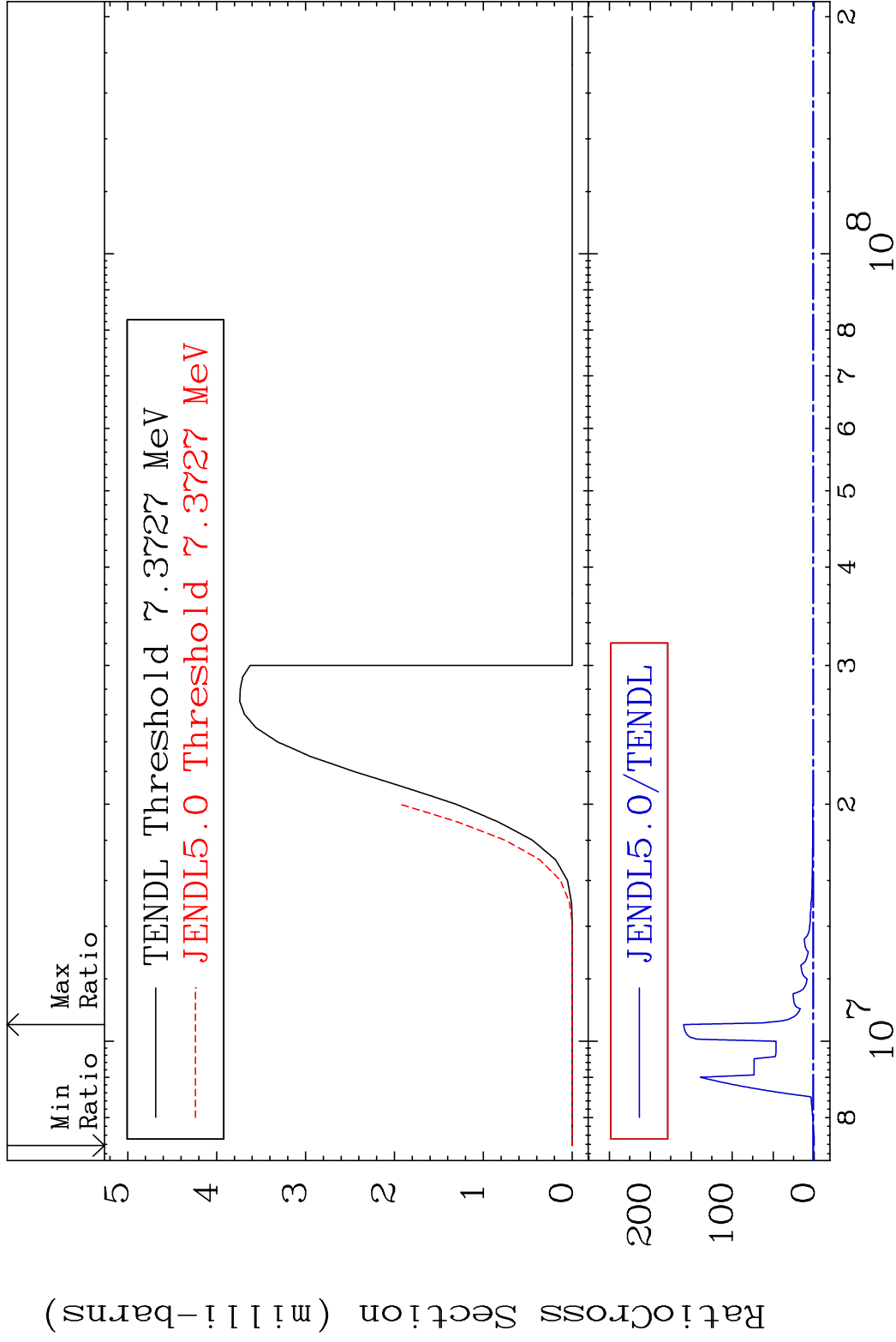
53-I -131

MAT 5337

(n, t)

53-I -131

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

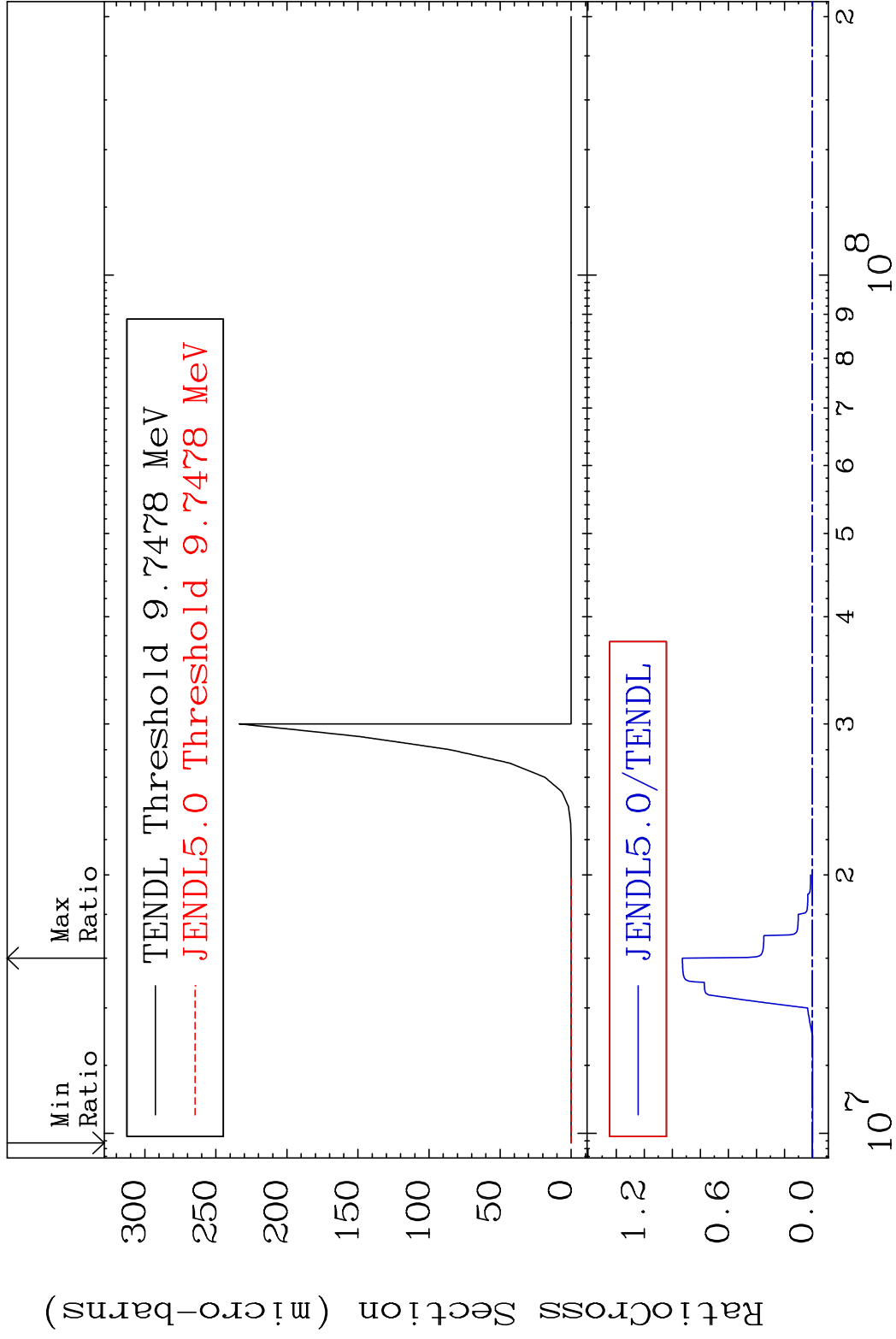
53-I -131

MAT 5337

(n, He-3)

53-I -131

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

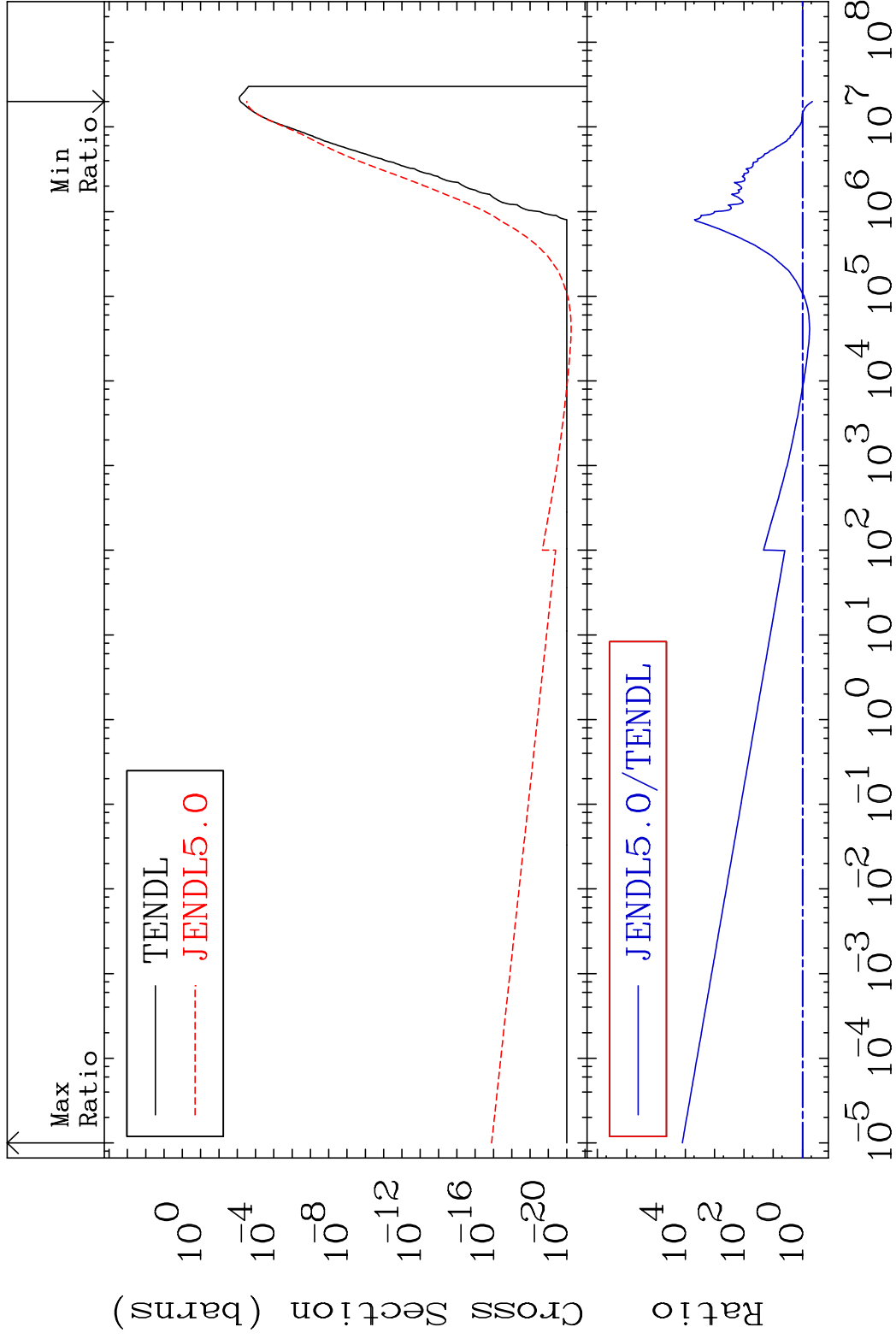
53-I -131

MAT 5337

(n, α)

53-I -131

Cross Section -54.74 To 9999. %



46

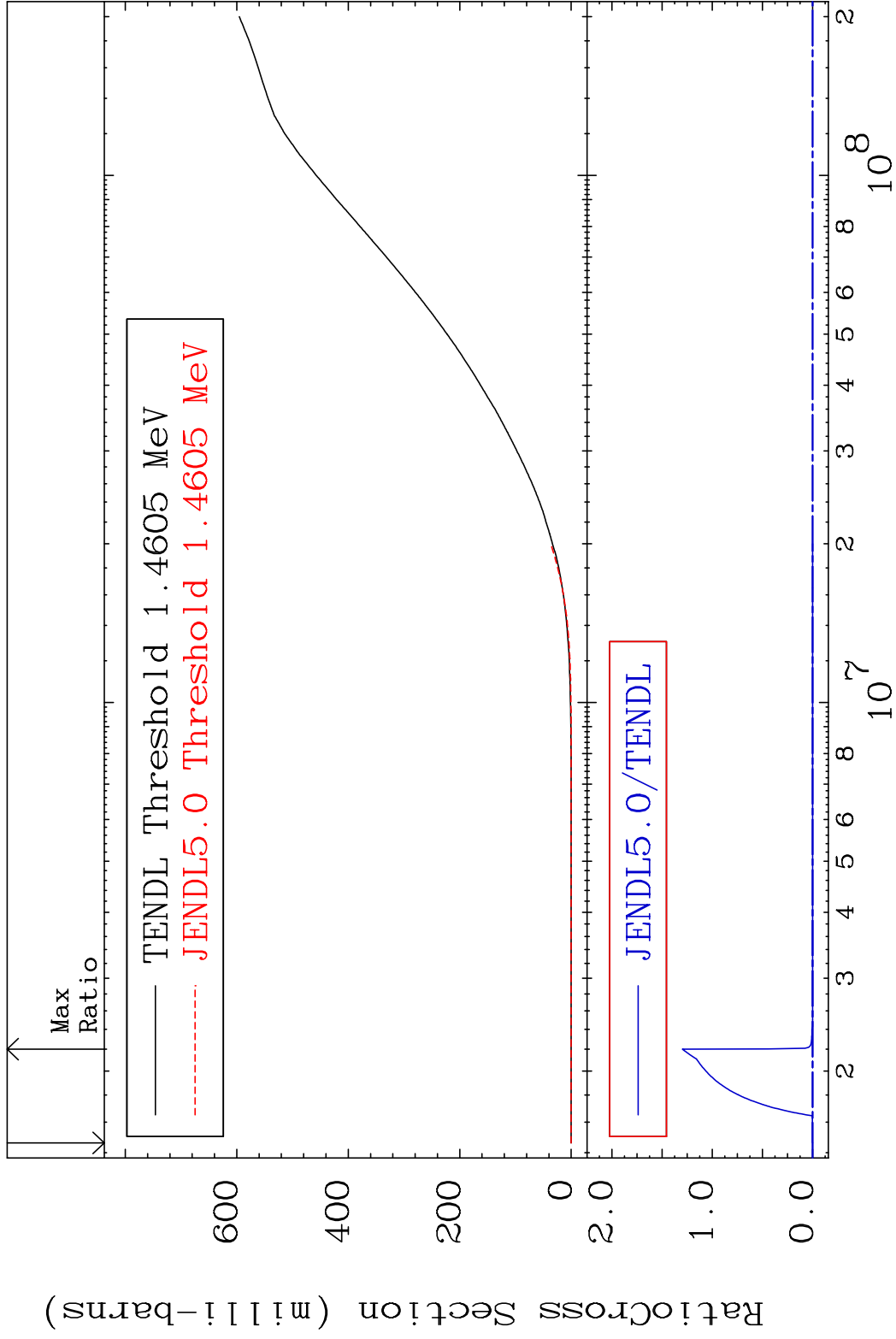
Incident Energy (eV)

53-I -131

MAT 5337

Hydrogen Production 53-I -131

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

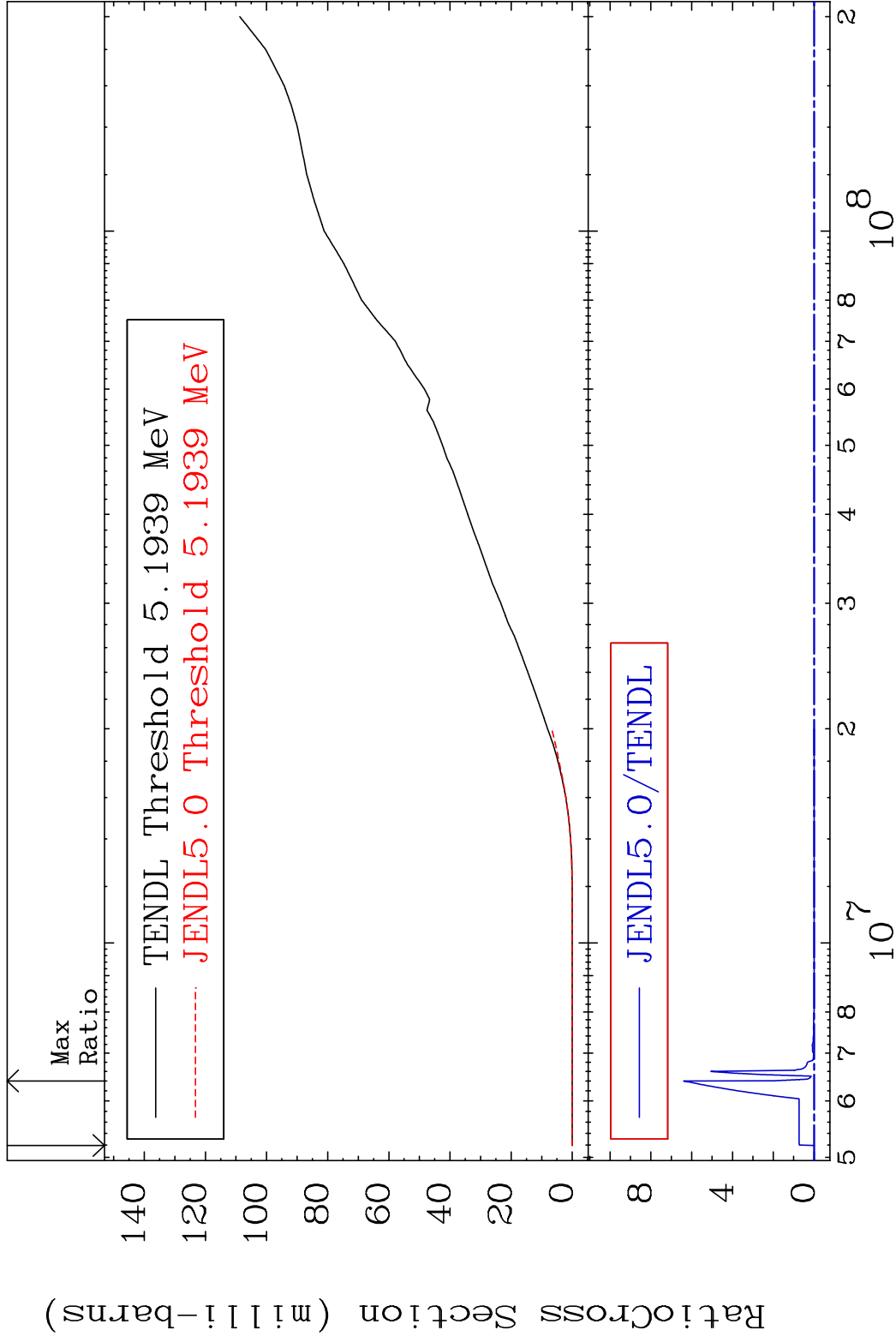
53-I -131

MAT 5337

Deuterium Production

53-I -131

Cross Section -100.0 To 9999. %



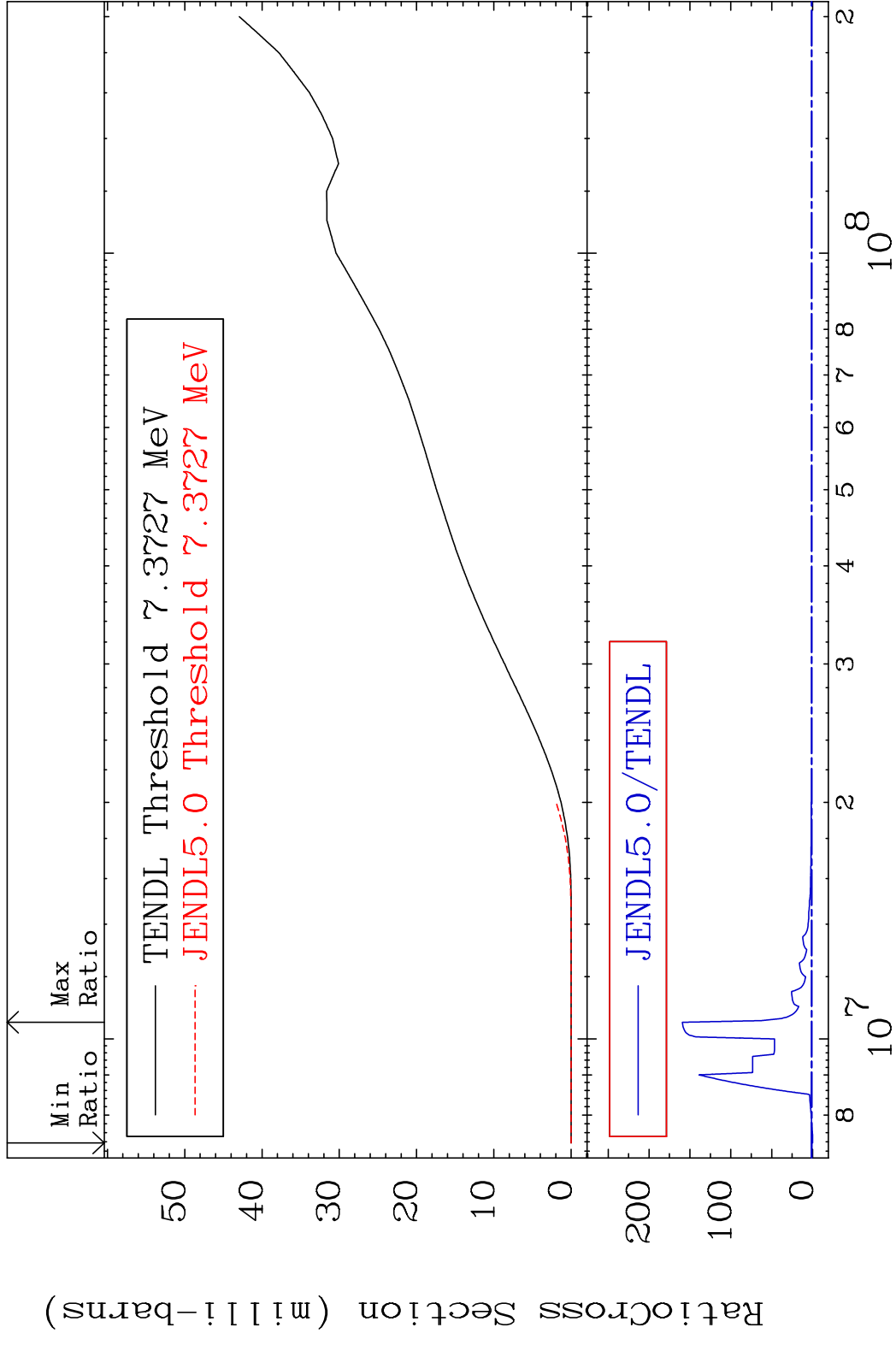
48

Incident Energy (eV)

53-I -131

MAT 5337

Tritium Production 53-I -131
Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

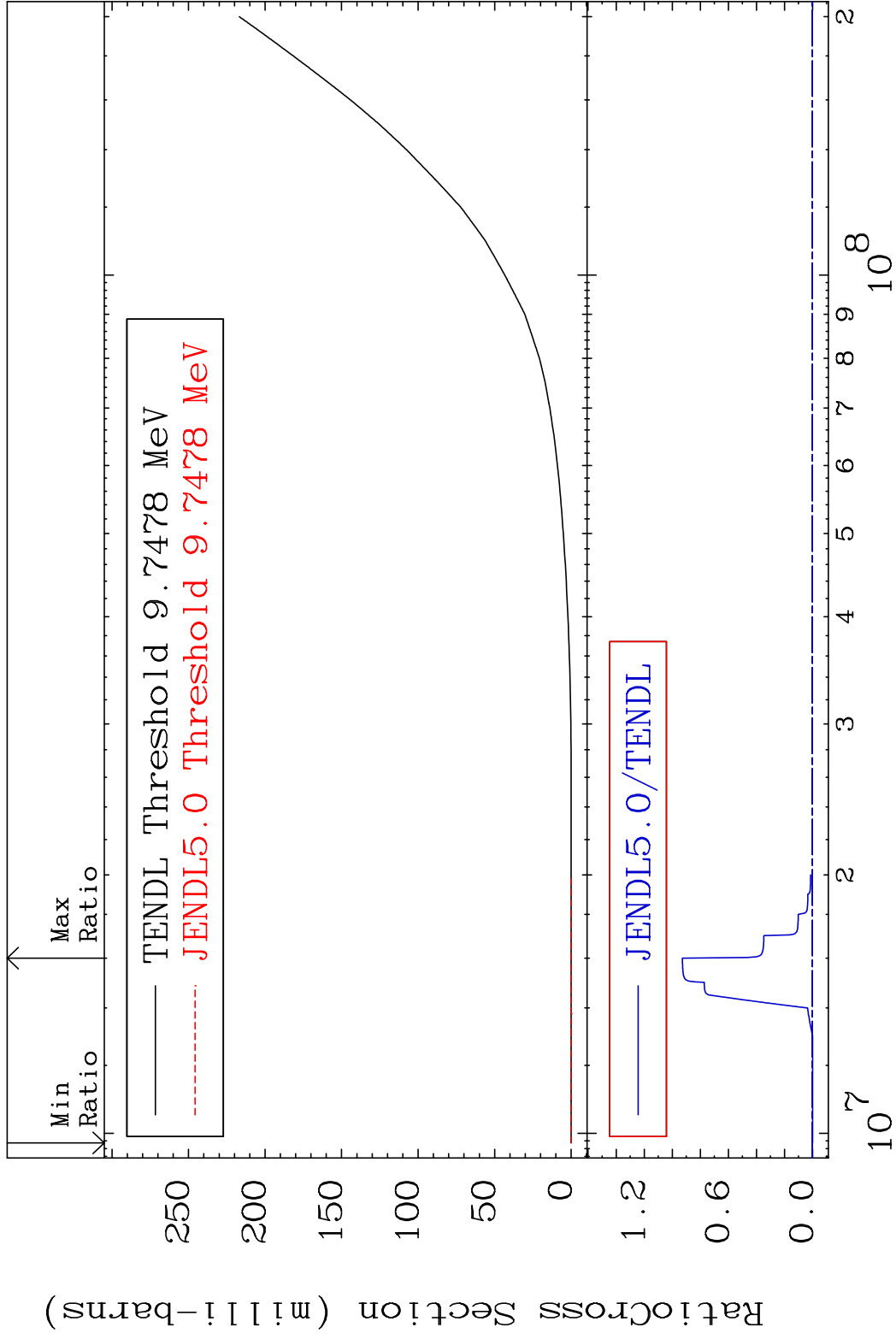
53-I -131

MAT 5337

He-3 Production

53-I -131

Cross Section -100.0 To 9999. %



50

Incident Energy (eV)

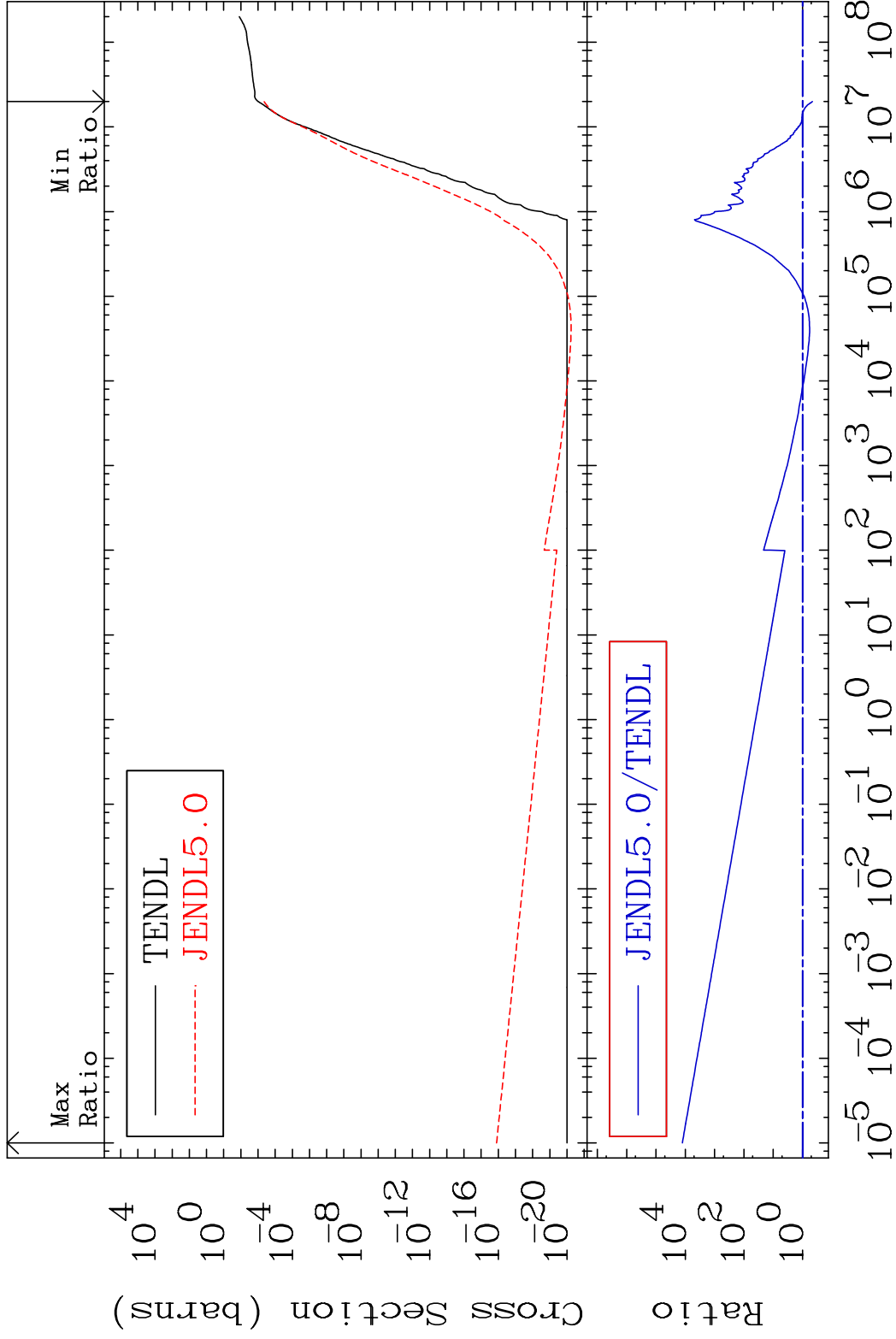
53-I -131

MAT 5337

He-4 Production

53-I -131

Cross Section -54.54 To 9999. %

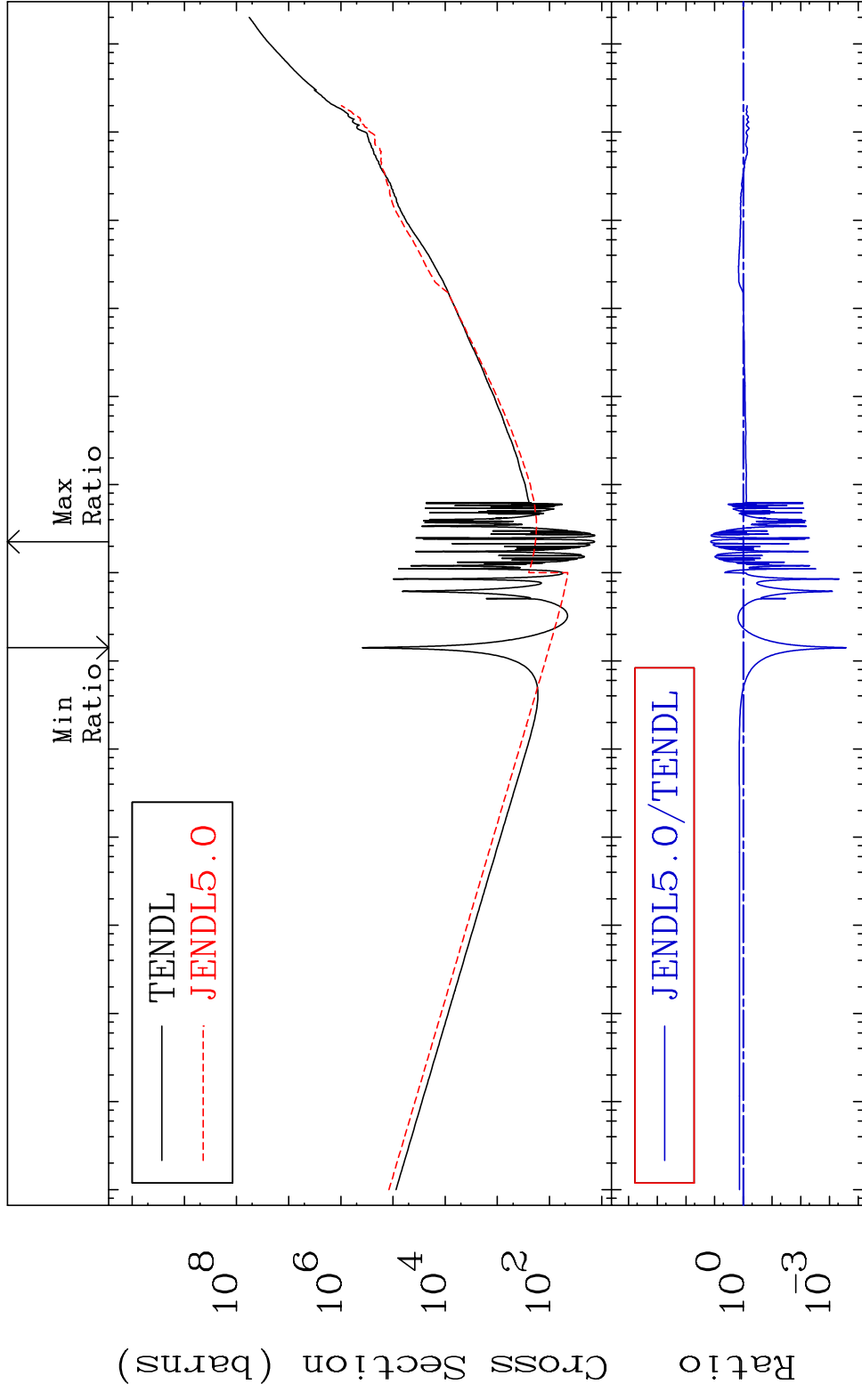


51

Incident Energy (eV)

53-I -131

MAT 5337 Kerma total (eV-barns) 53-I -131
 Cross Section -99.97 To 1273. %

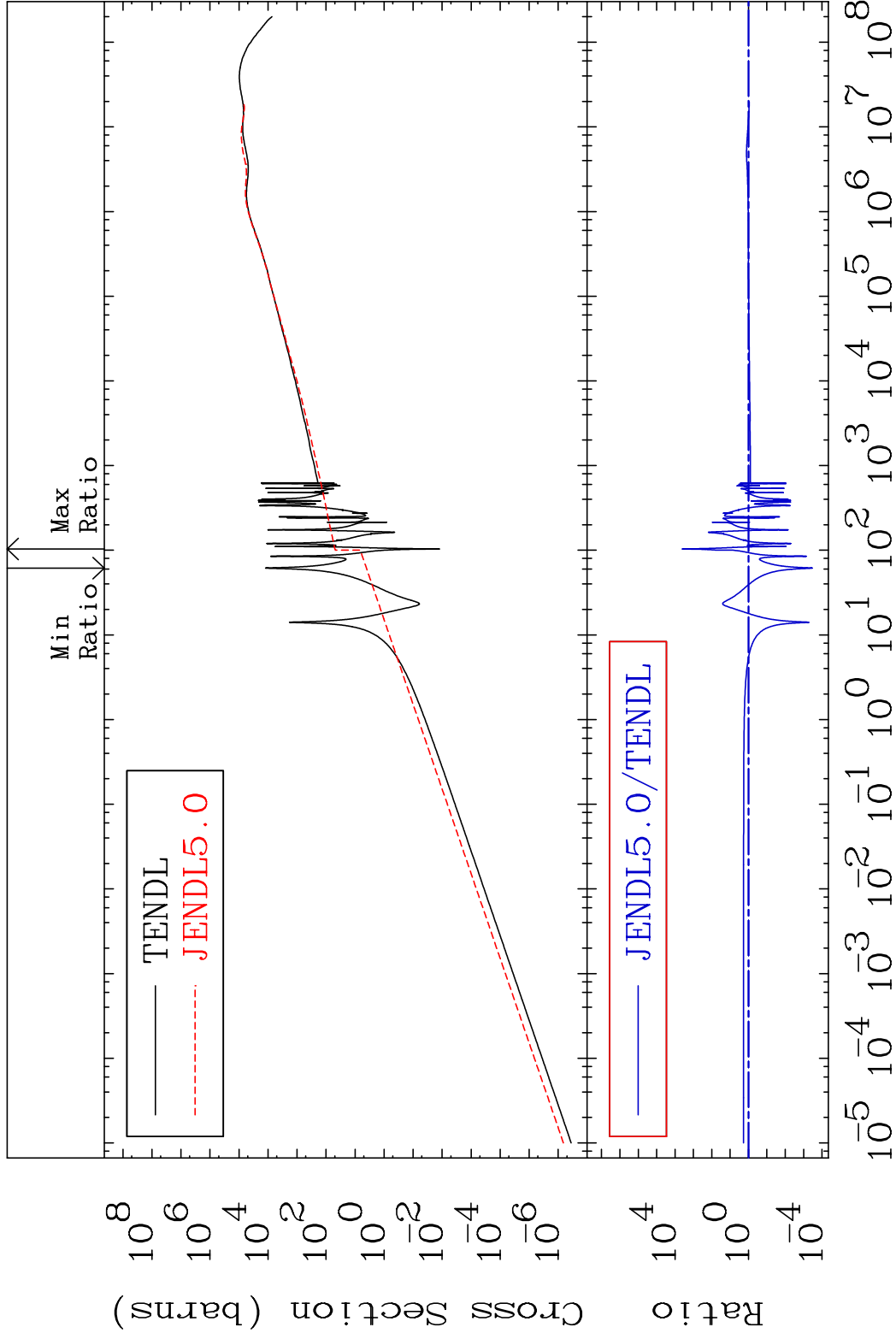


MAT 5337

Kerma elastic

53-I -131

Cross Section -99.97 To 9999. %

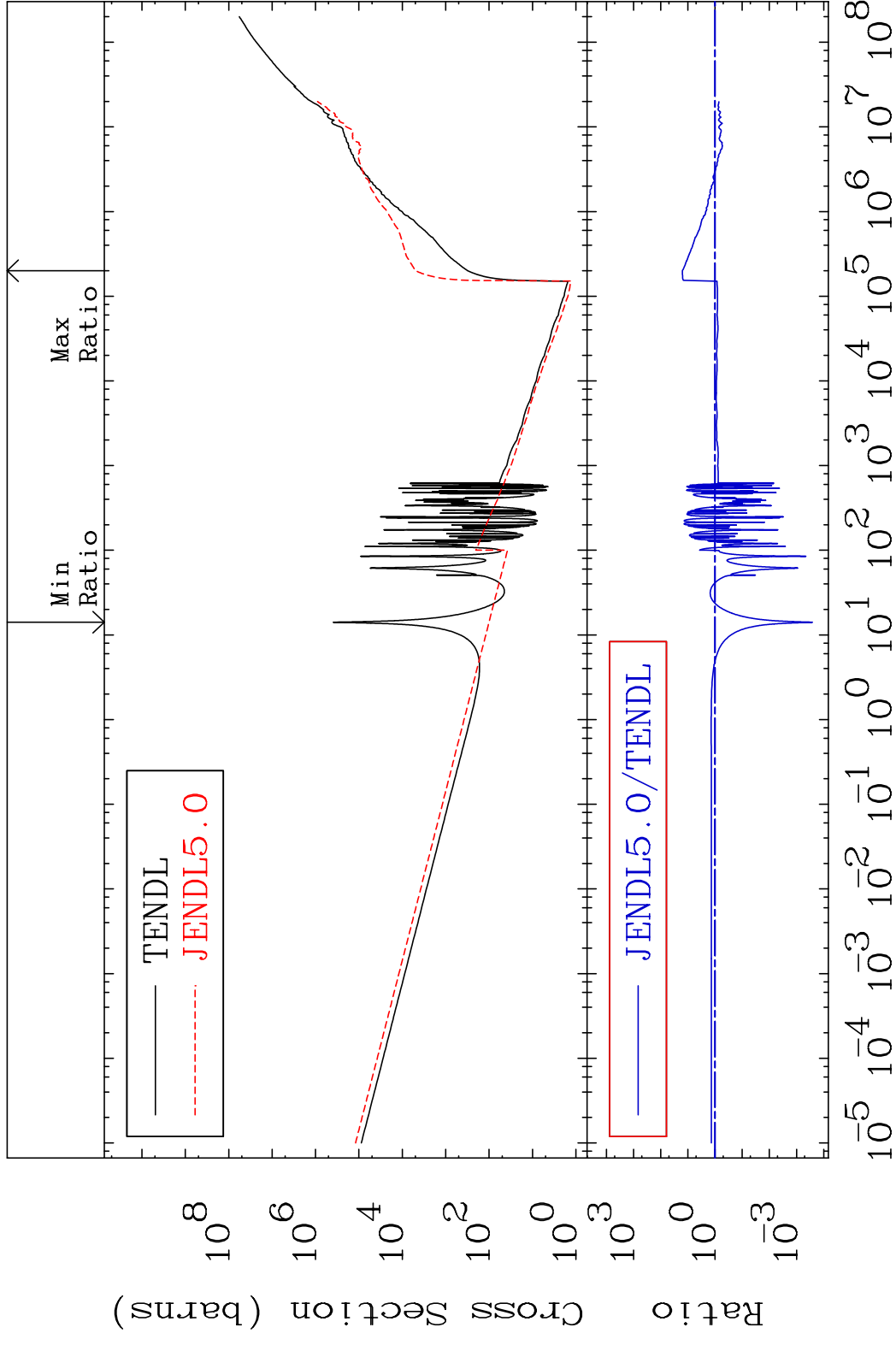


53

Incident Energy (eV)

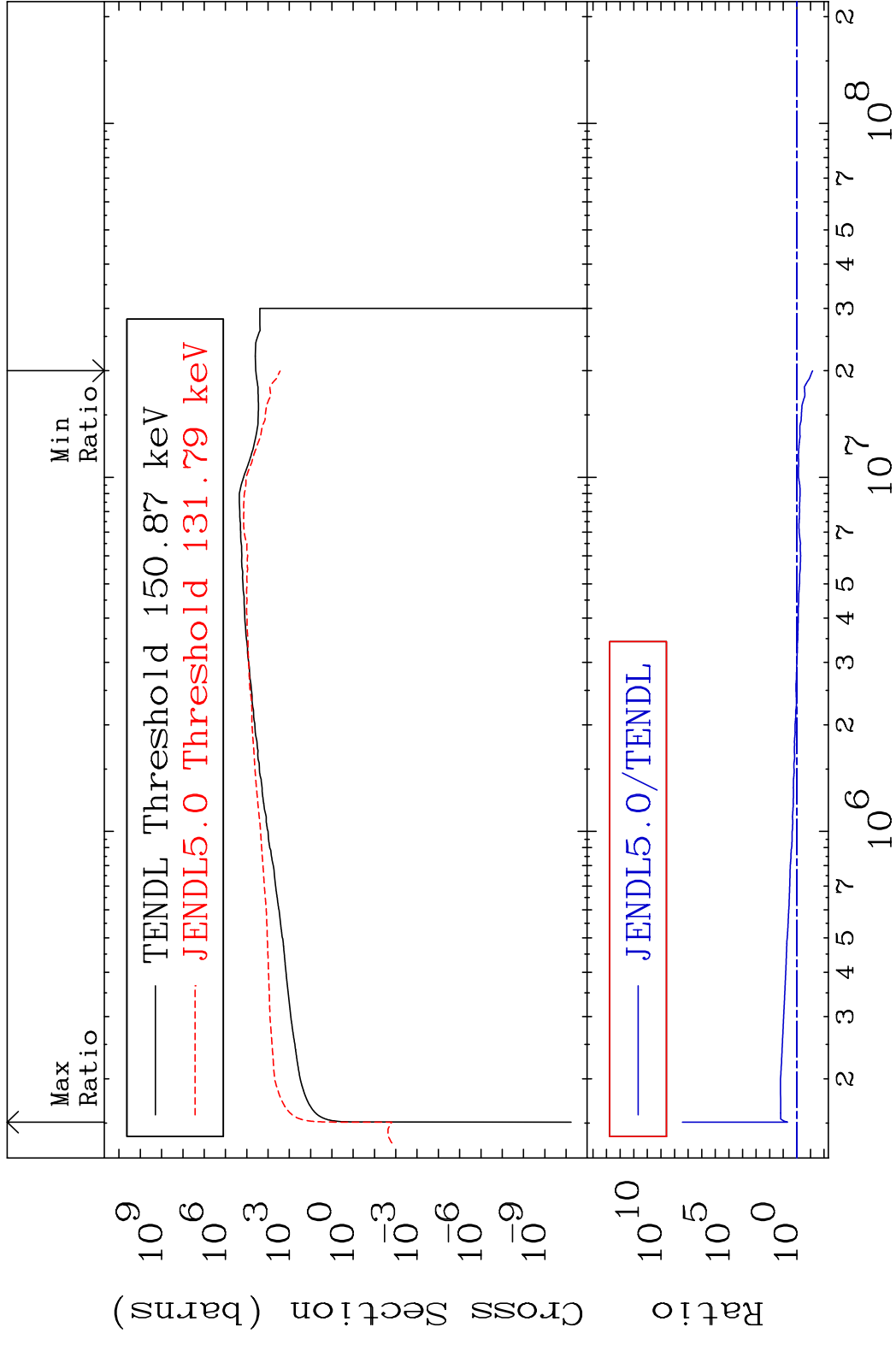
53-I -131

MAT 5337 Kerma non-elastic (all but mt2) 53-I -131
 Cross Section -99.97 To 1497. %

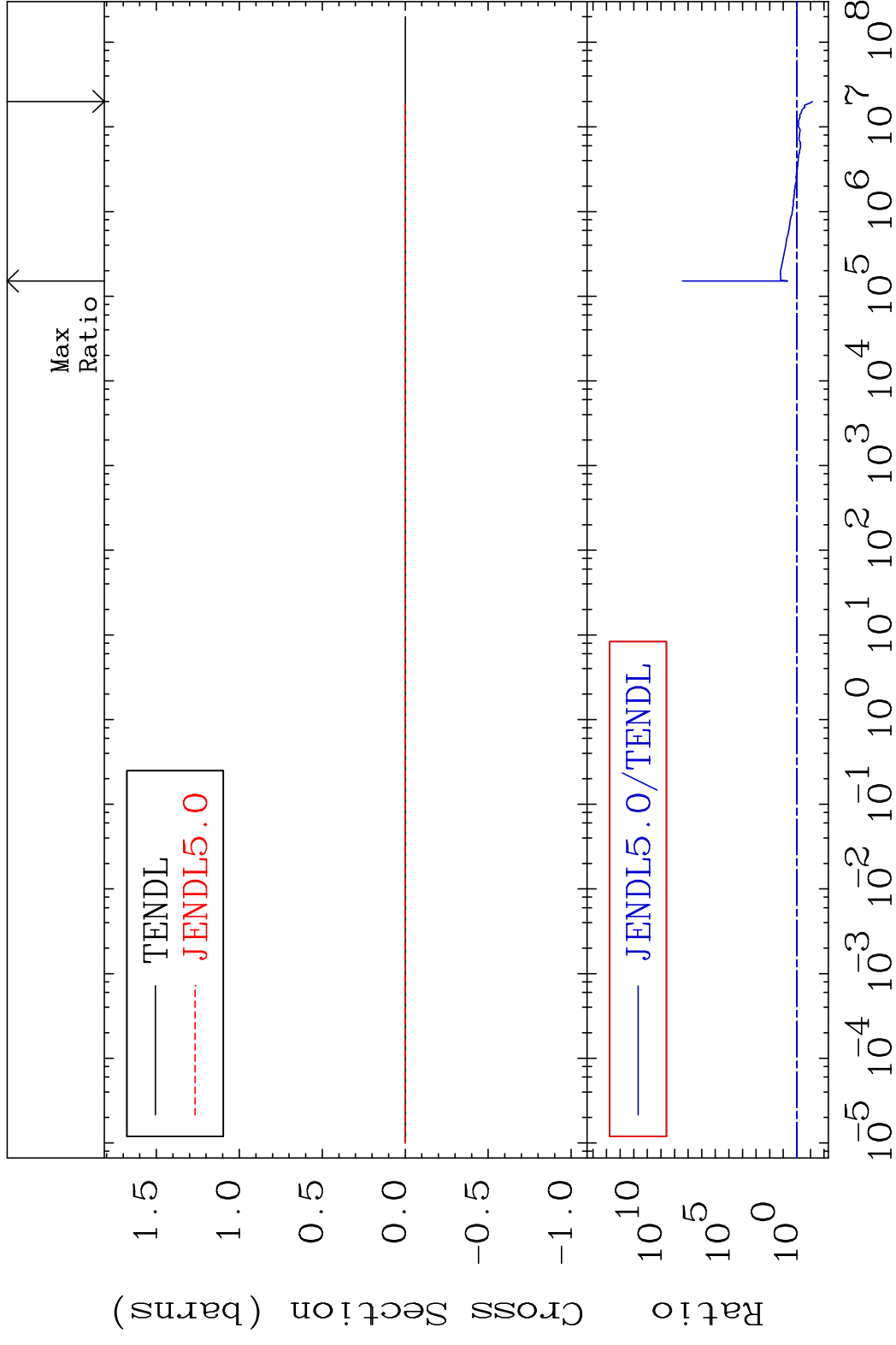


54 Incident Energy (eV) 53-I -131

MAT 5337 Kerma inelastic (mt51-91) 53-I -131
 Cross Section -92.96 To 9999. %

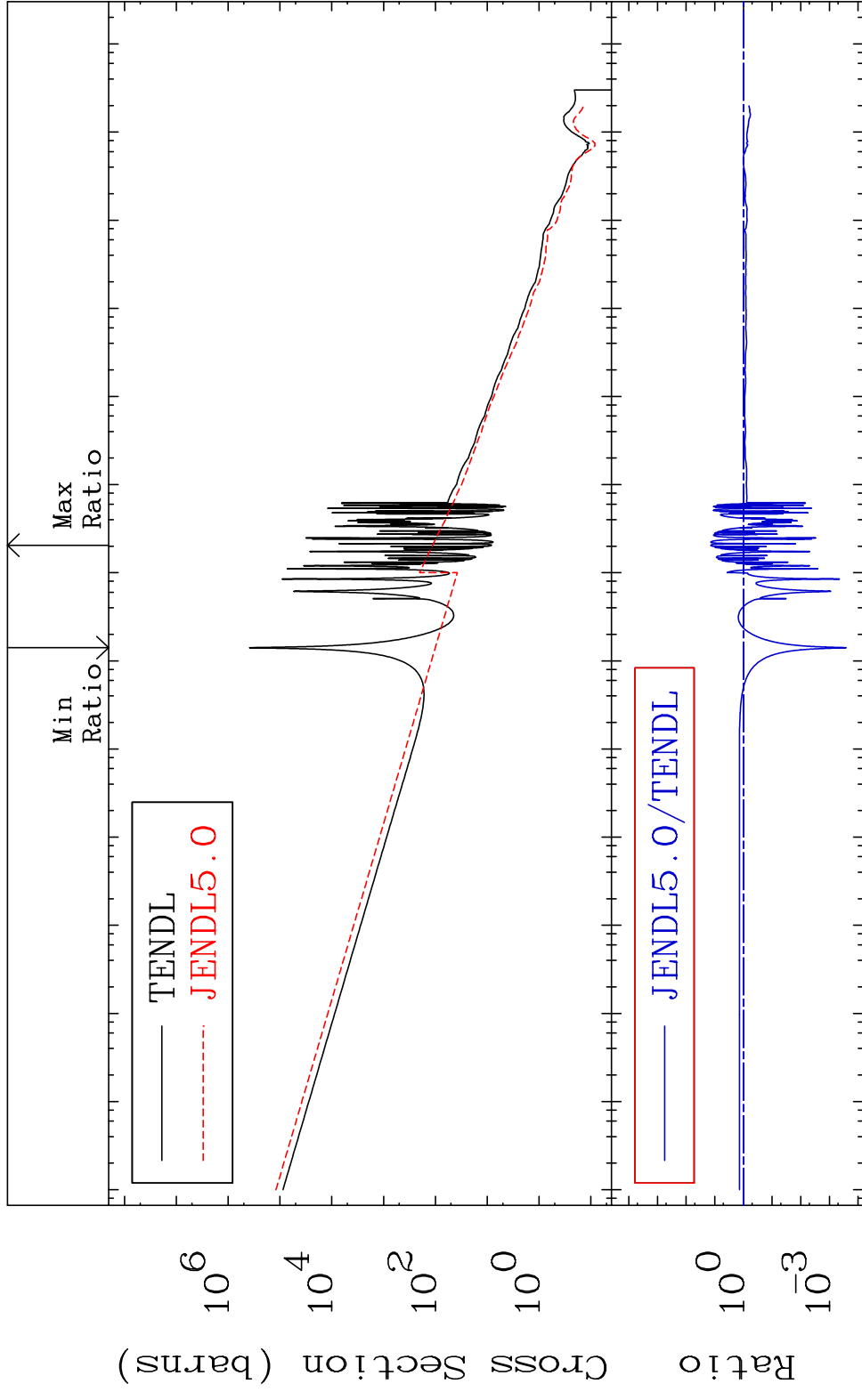


MAT 5337 Kerma fission (mt18 or mt19-20-21-38)53-I -131
 Cross Section -92.96 To 9999. %



MAT 5337

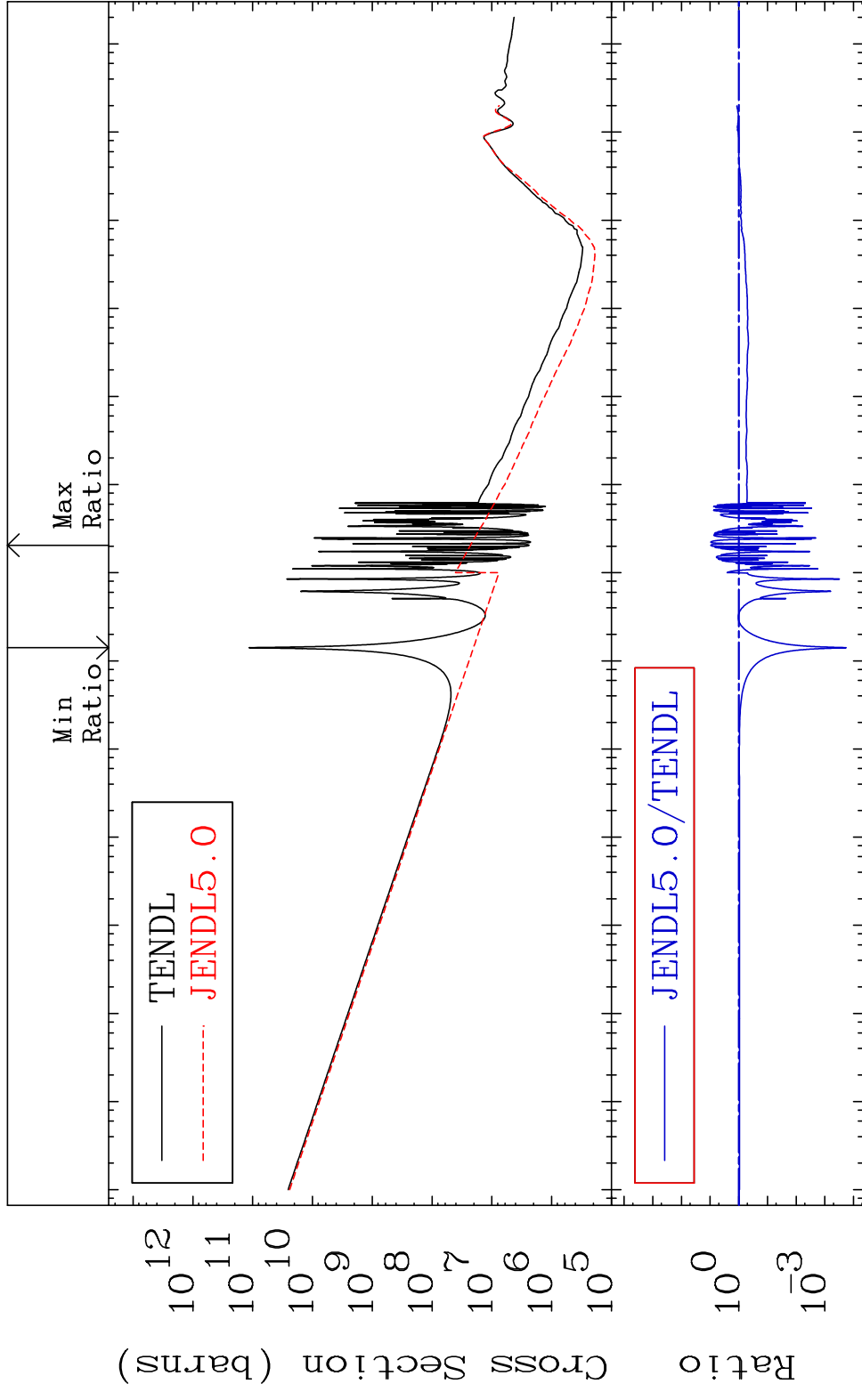
Kerma capture (mt102) 53-I -131
Cross Section -99.97 To 1285. %



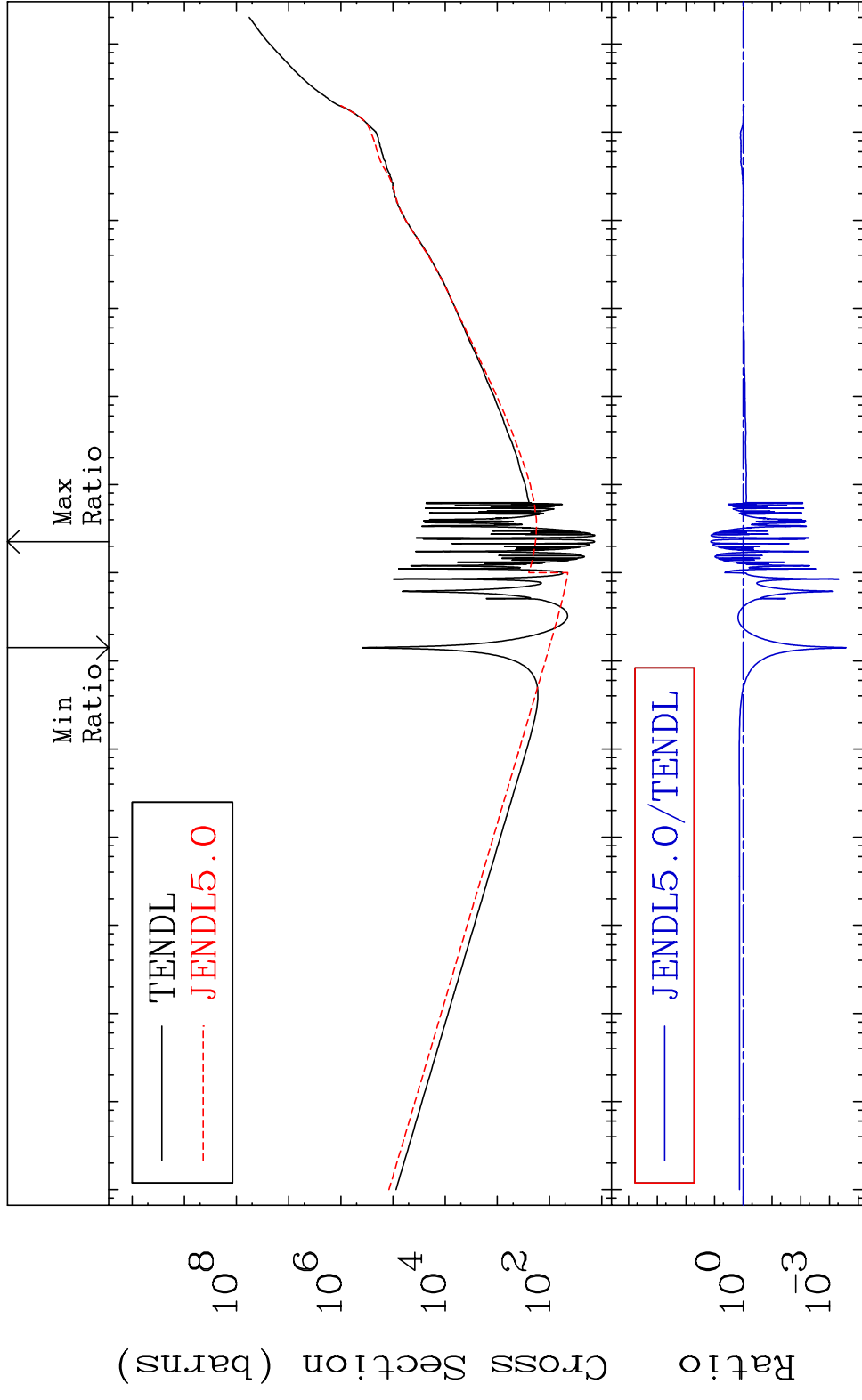
57

Incident Energy (eV) 53-I -131

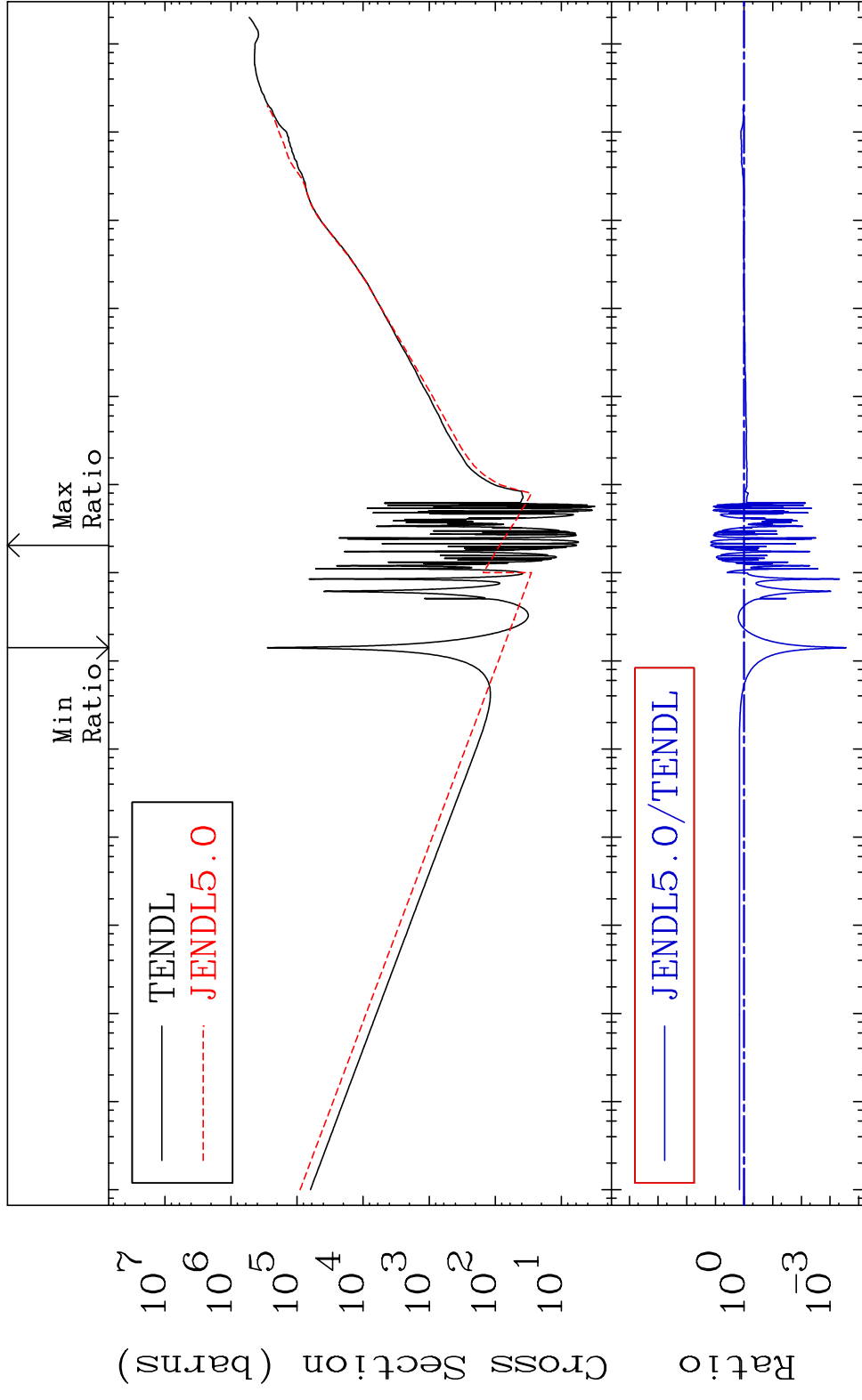
MAT 5337 Total photon (eV-barns) 53-I -131
 Cross Section -99.98 To 855.0 %



MAT 5337 Total kinematic kerma (high limit) 53-I -131
 Cross Section -99.97 To 1273. %



MAT 5337 Dpa total (eV-barns) 53-I -131
 Cross Section -99.97 To 1358. %



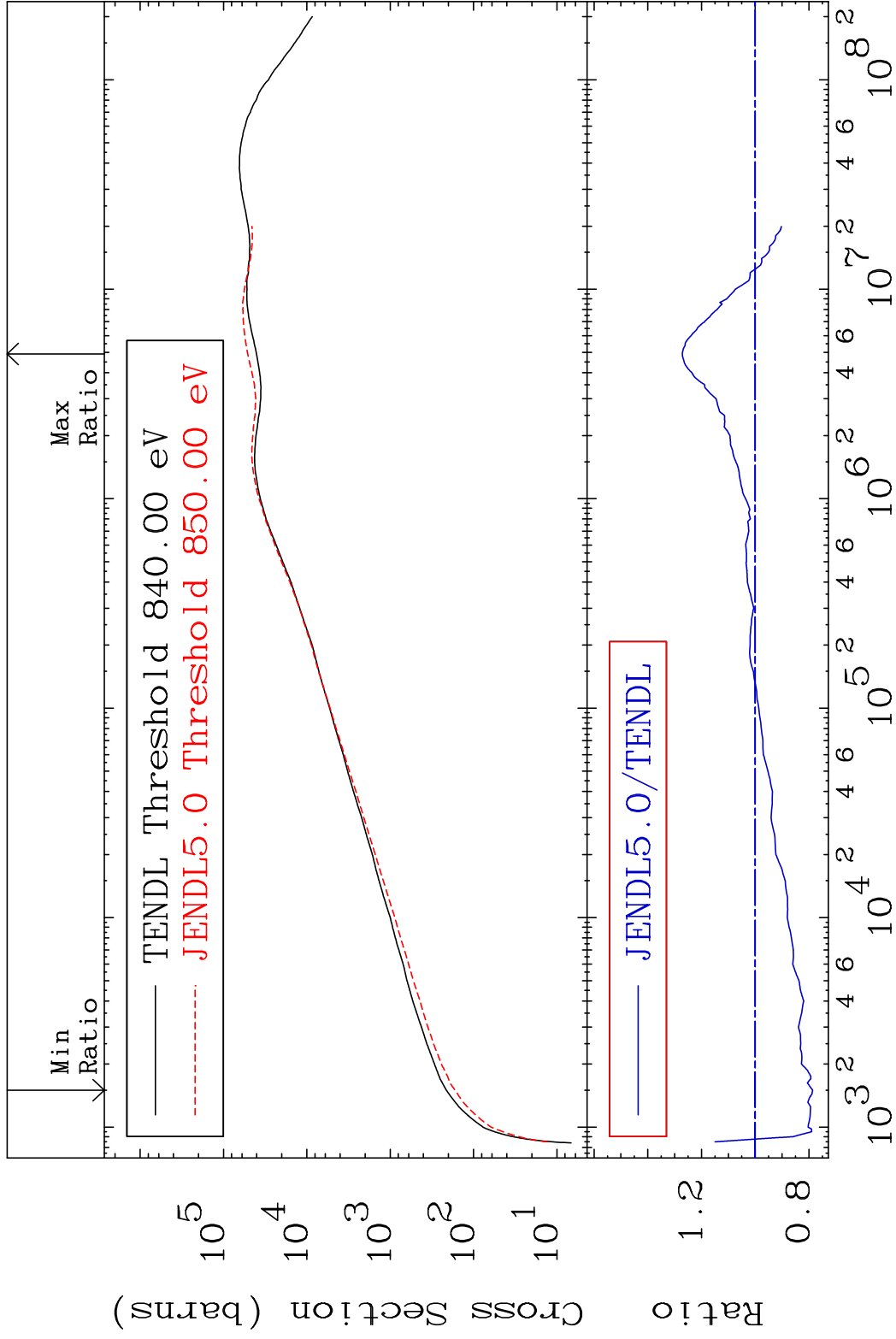
60 Incident Energy (eV) 53-I -131

MAT 5337

Dpa elastic (mt2)

53-I -131

Cross Section -21.35 To 27.13 %

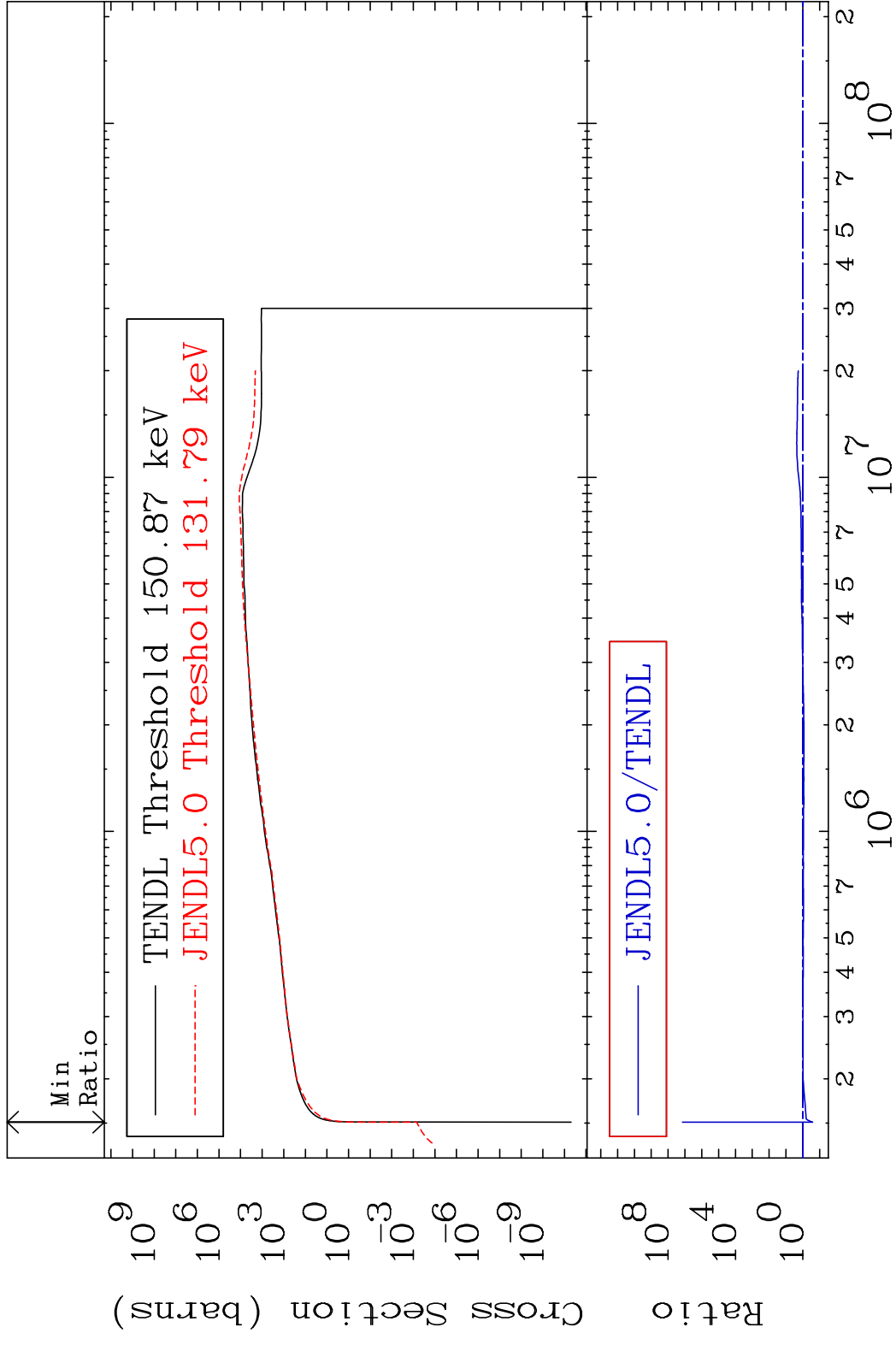


61

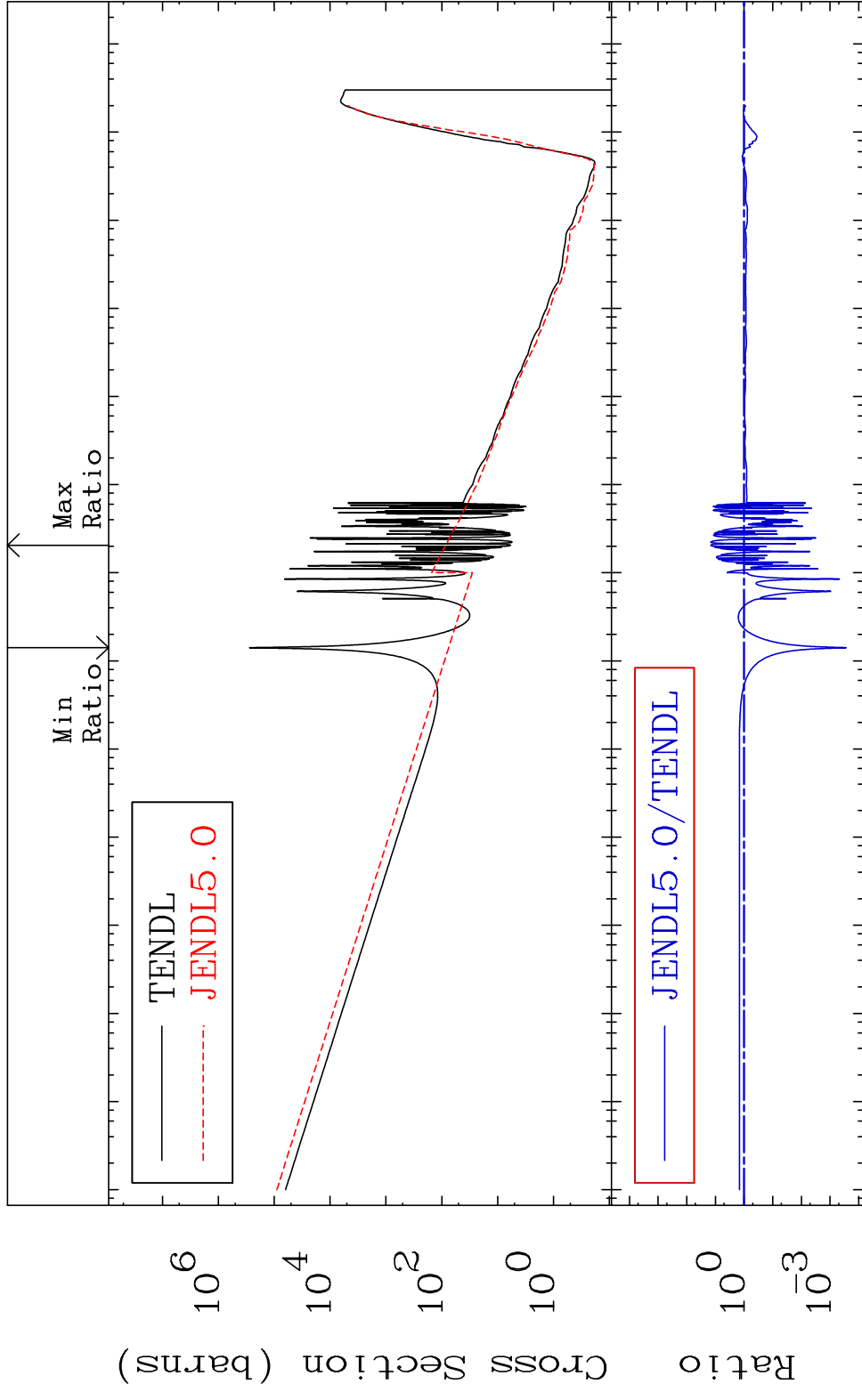
Incident Energy (eV)

53-I -131

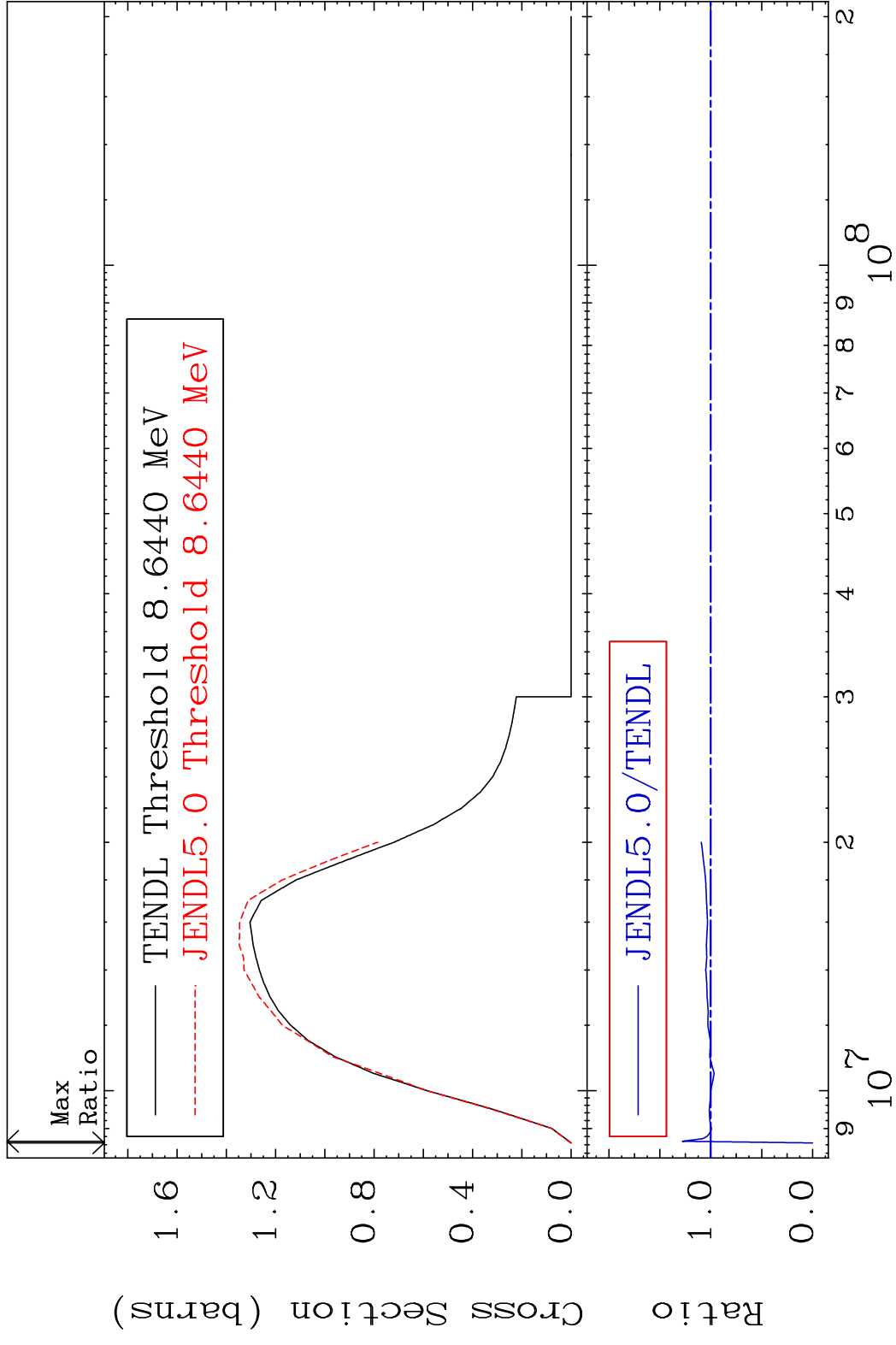
MAT 5337 Dpa inelastic (mt51-91) 53-I -131
 Cross Section -73.61 To 9999. %



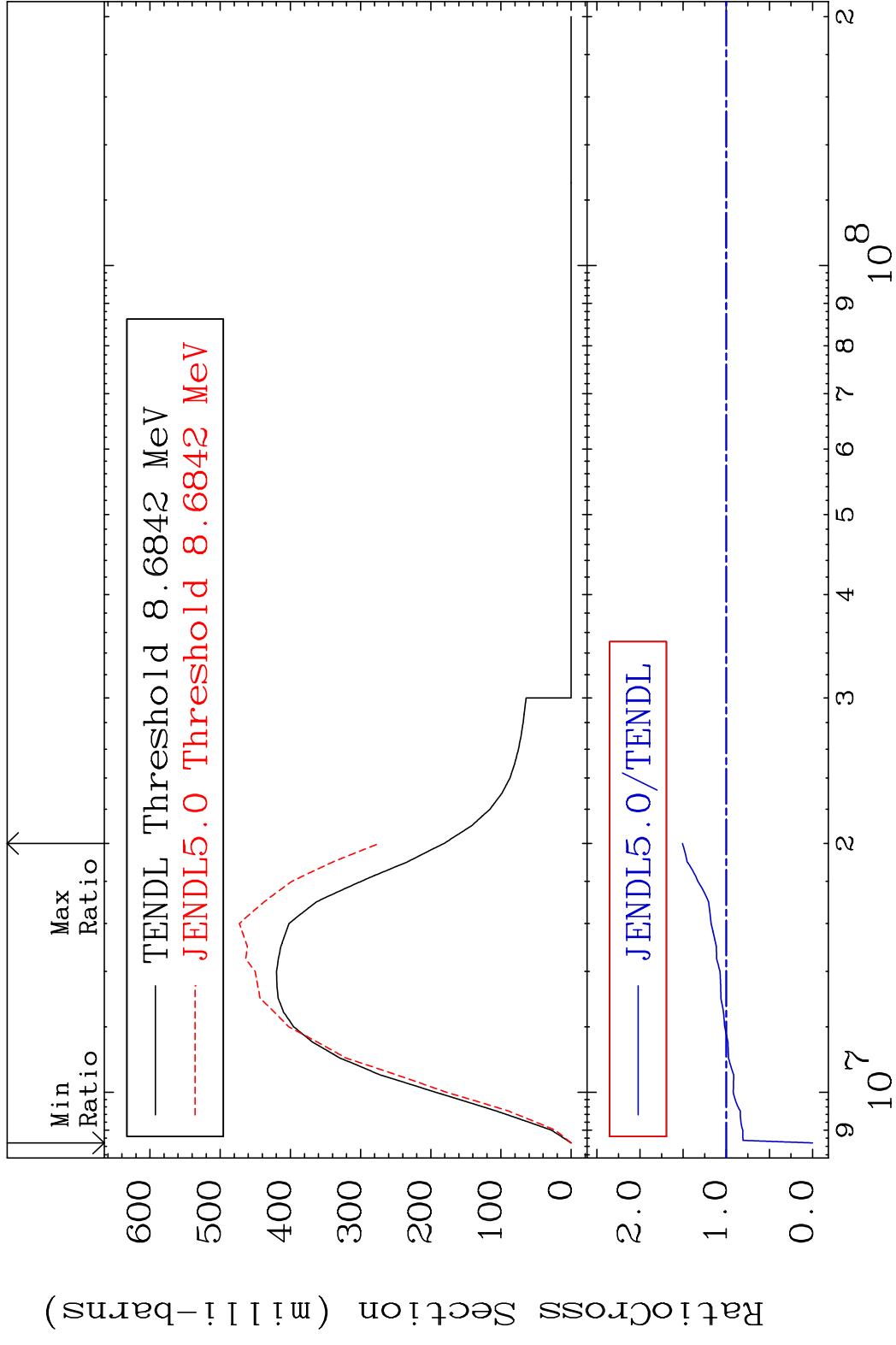
MAT 5337 Dpa disappearance (mt102 -120) 53-I -131
 Cross Section -99.97 To 1358. %



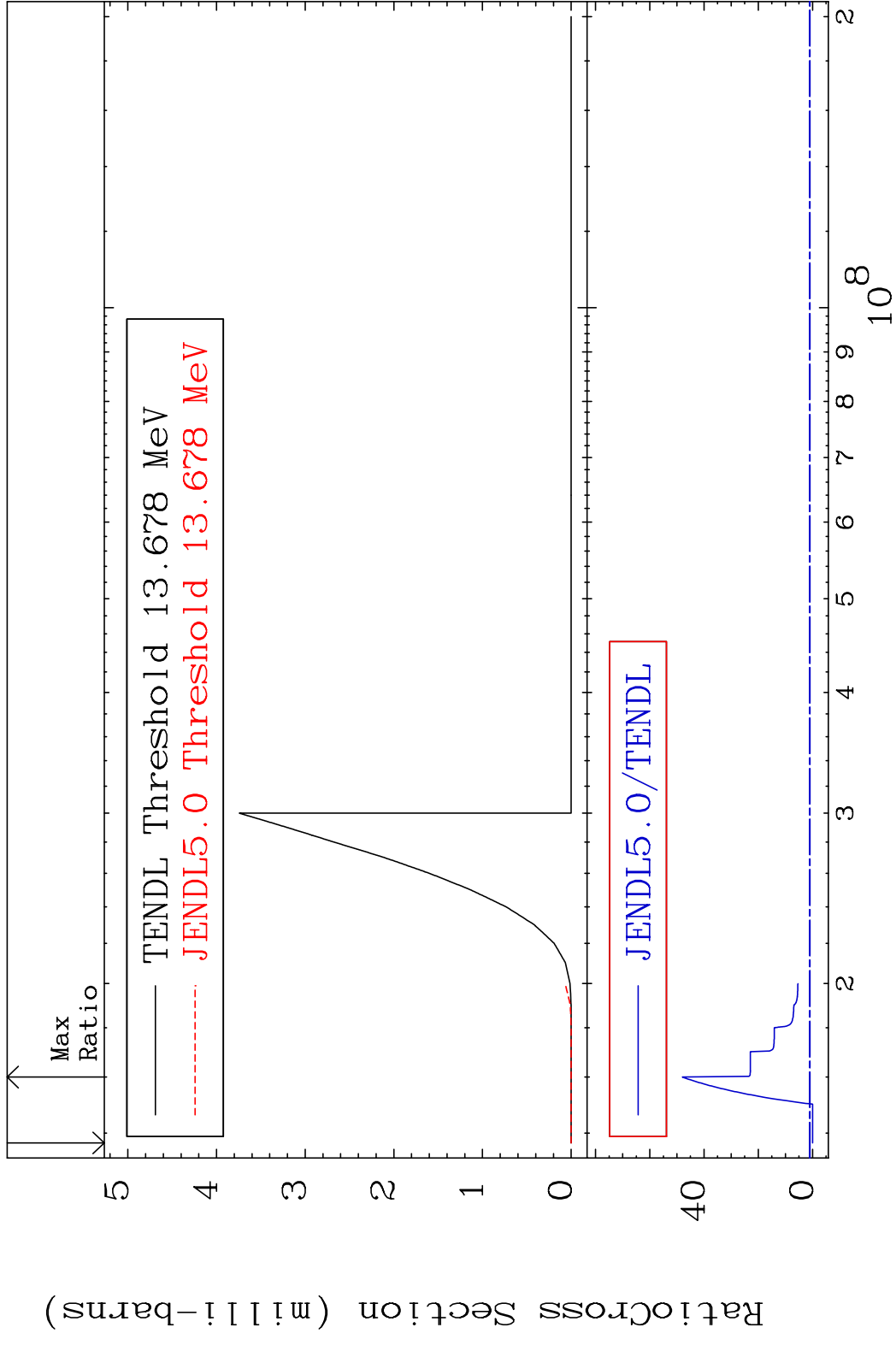
MAT 5337 (n,2n):53-I -130g 53-I -131
 Radionuclide Production Cross Section Ratio 27.93 %

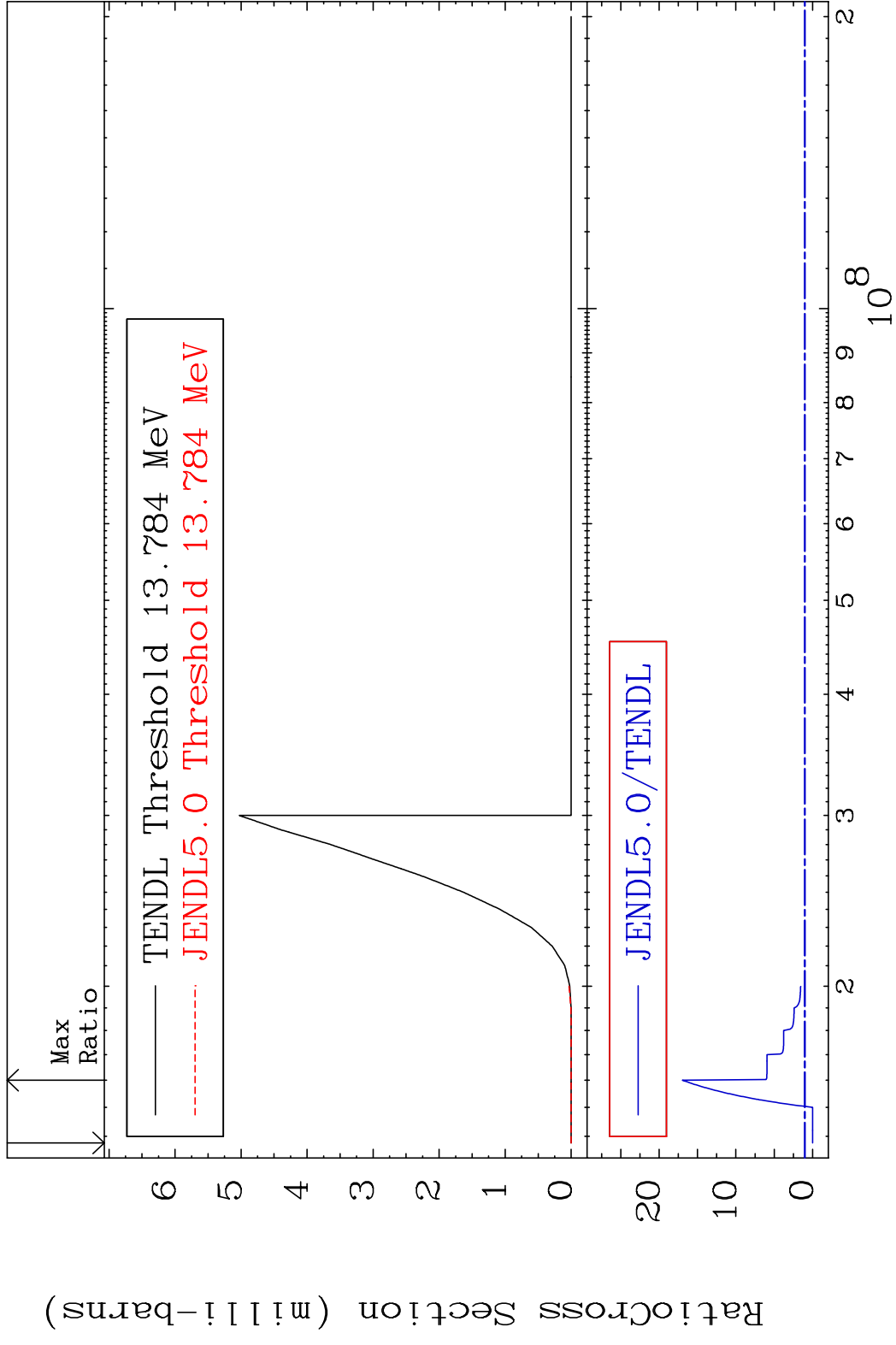


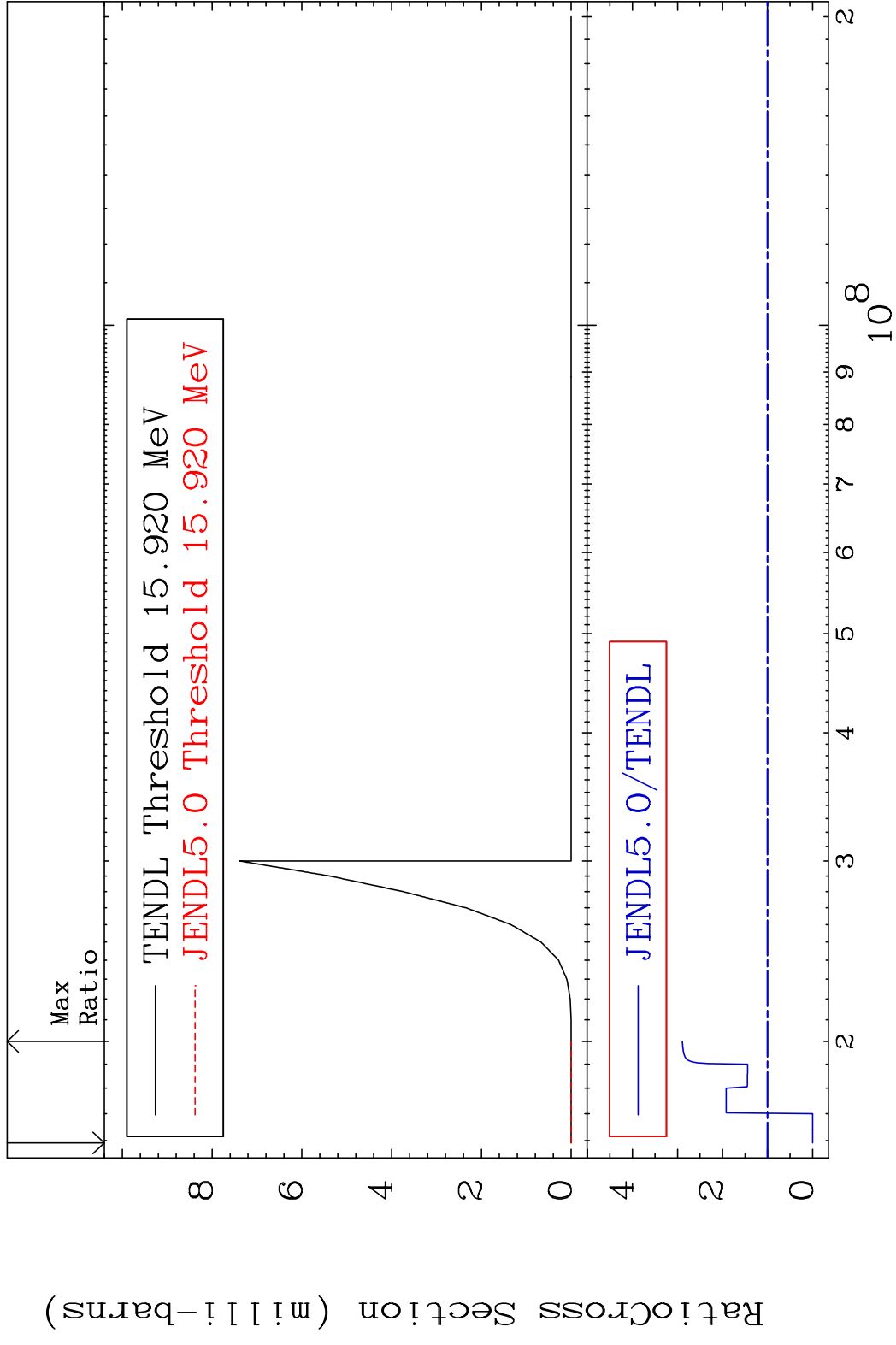
MAT 5337 (n,2n):53-I -130m1 53-I -131
 Radionuclide Production Cross Section 180.01 dth 50.93 %



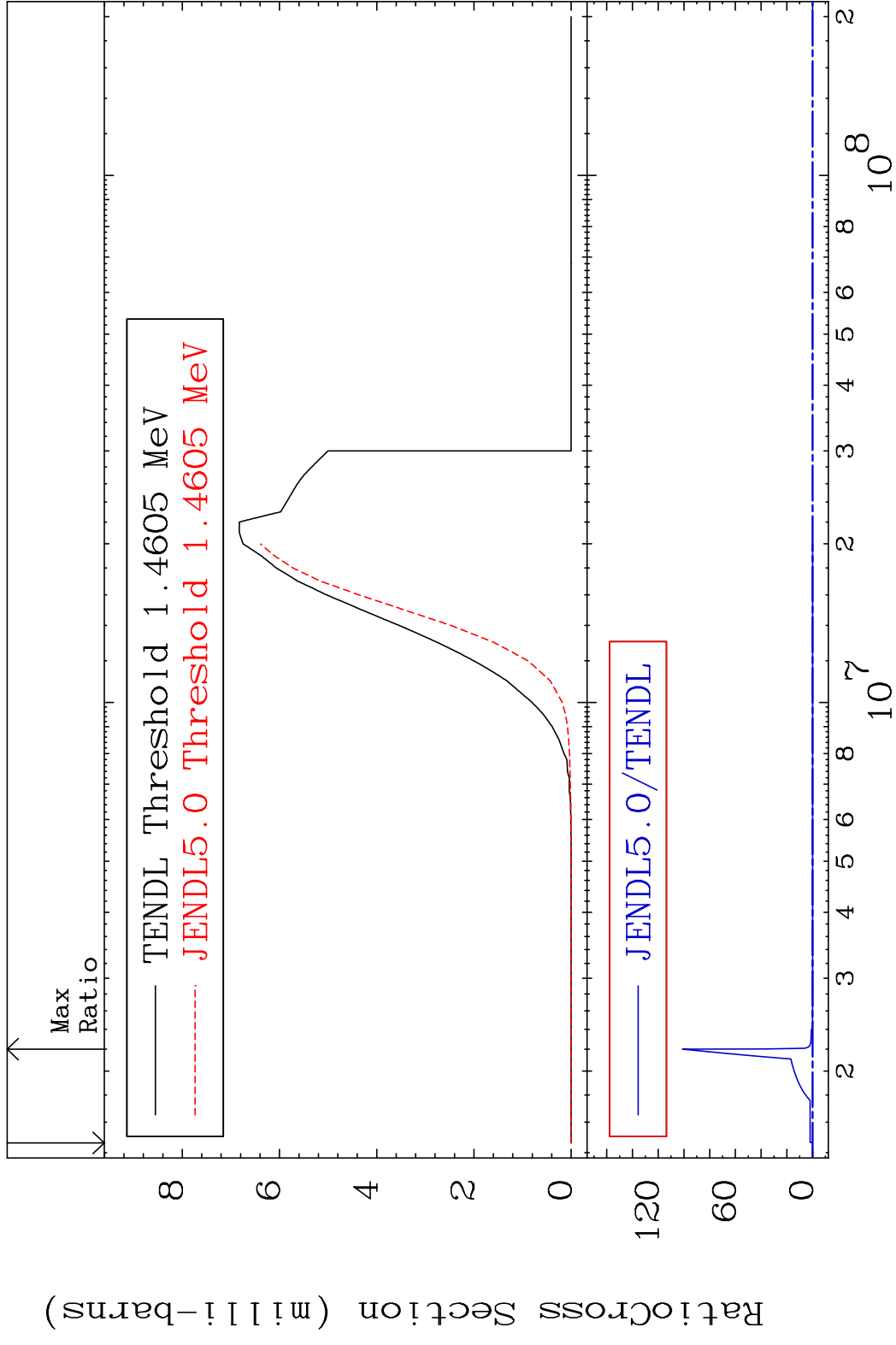
MAT 5337 (n, n') d:52-Te-129g 53-I -131
 Radionuclide Production Cross Section 1800 d to 4700 . %





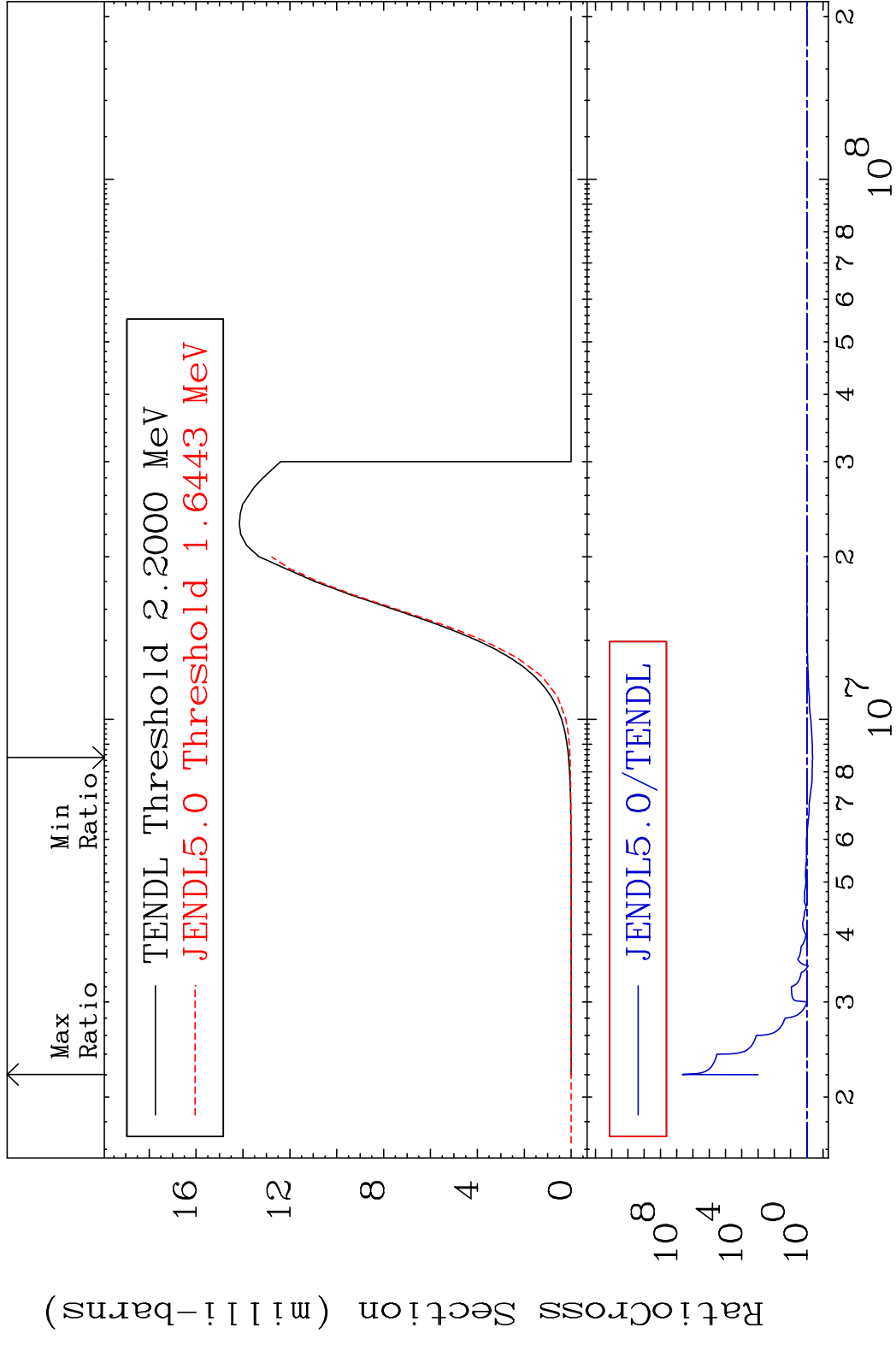


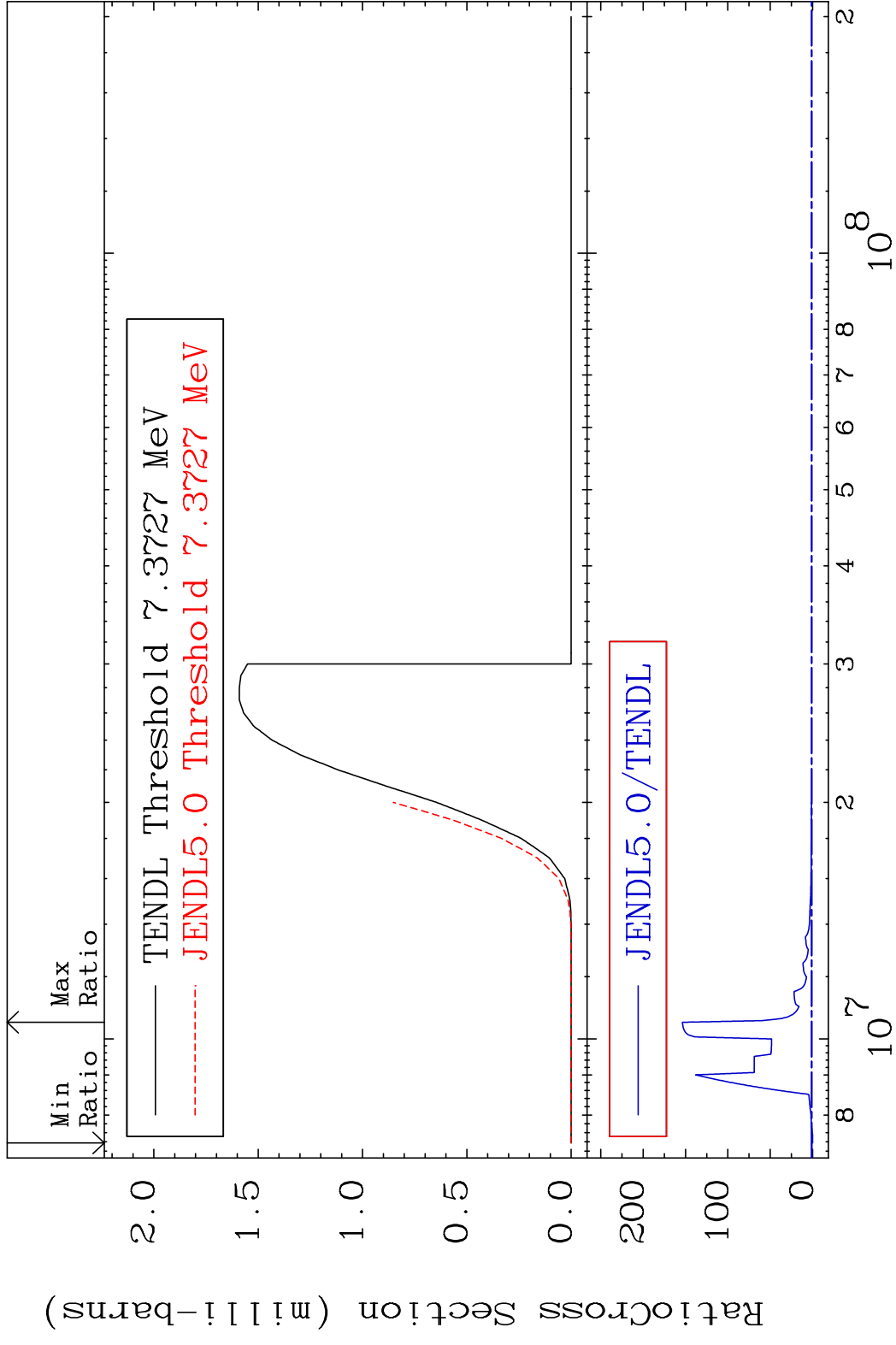
MAT 5337 (n,p):52-Te-131g 53-I -131
 Radionuclide Production Cross Section 100.00 to 9999. %



70 Incident Energy (eV) 53-I -131

MAT 5337 (n, p):52-Te-131m1 53-I -131
 Radionuclide Production Cross Section to 9999. %





MAT 5337 (n, t):52-Te-129m1 53-I -131
 Radionuclide Production Cross Section to 9999. %

