

Program Complot
(Version 2021-1)

by

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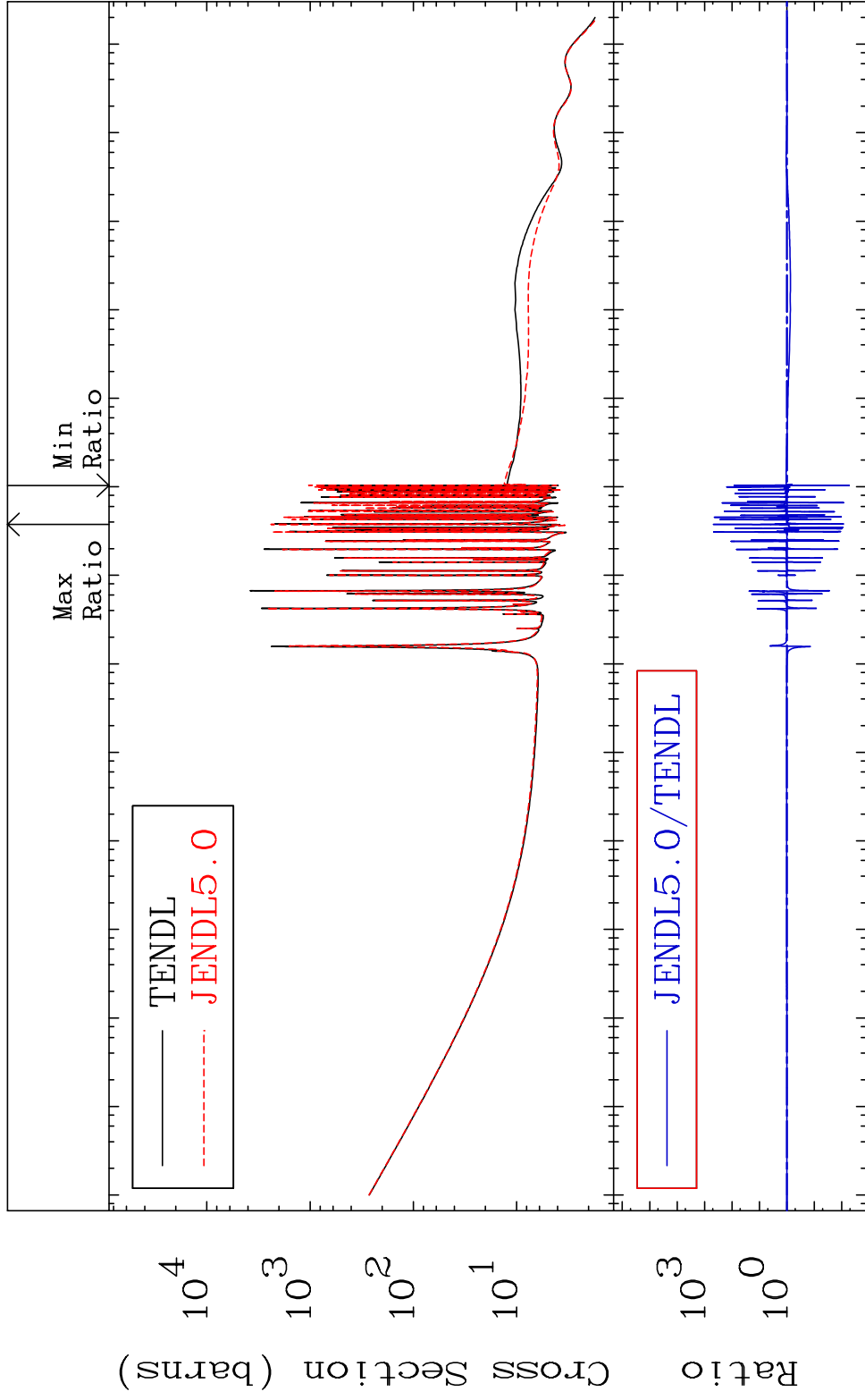
Press Mouse Button to Start

MAT 4440

Total

44-Ru-101

Cross Section -99.47 To 9999. %



1

Incident Energy (eV)

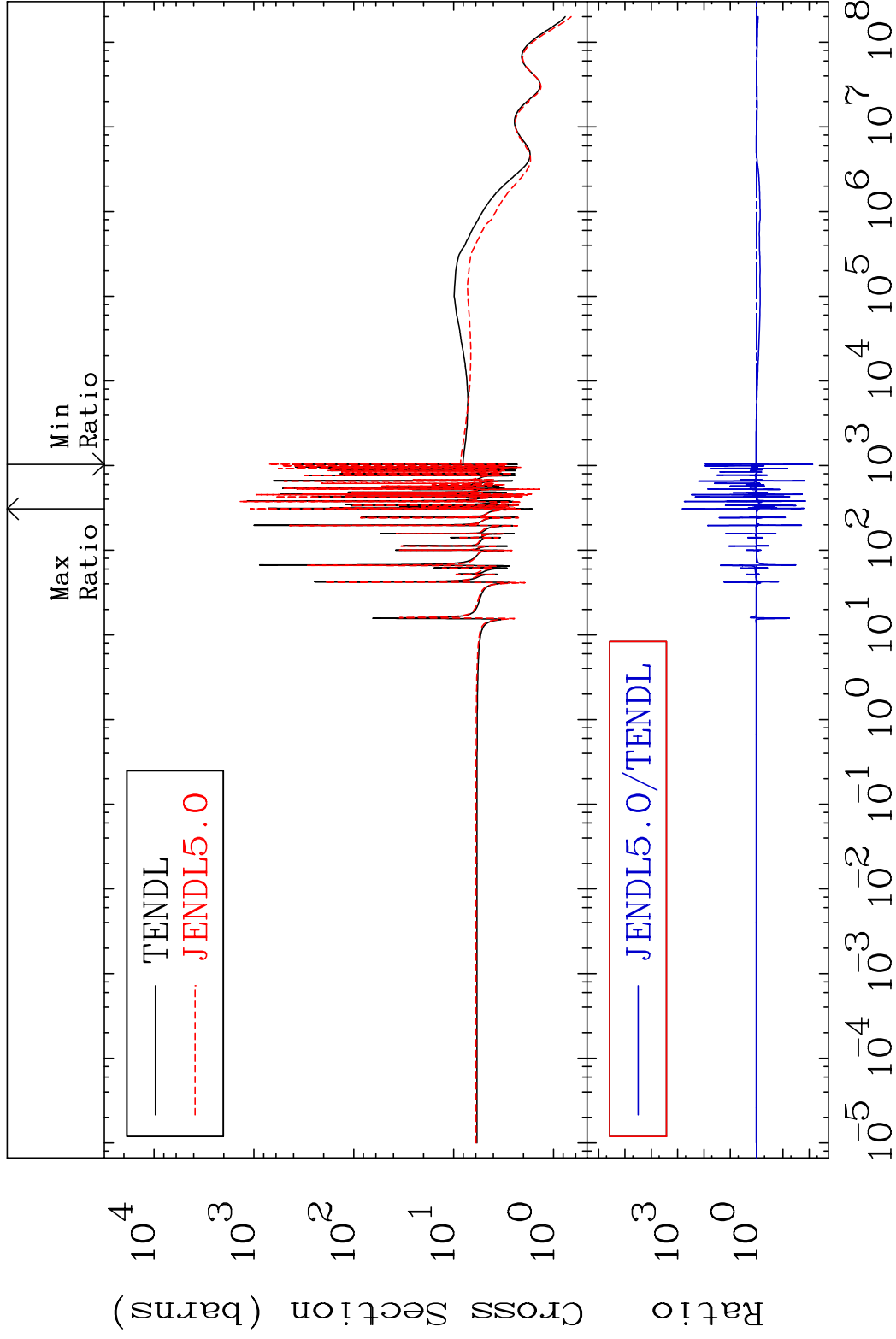
44-Ru-101

MAT 4440

Elastic

44-Ru-101

Cross Section -99.25 To 9999. %

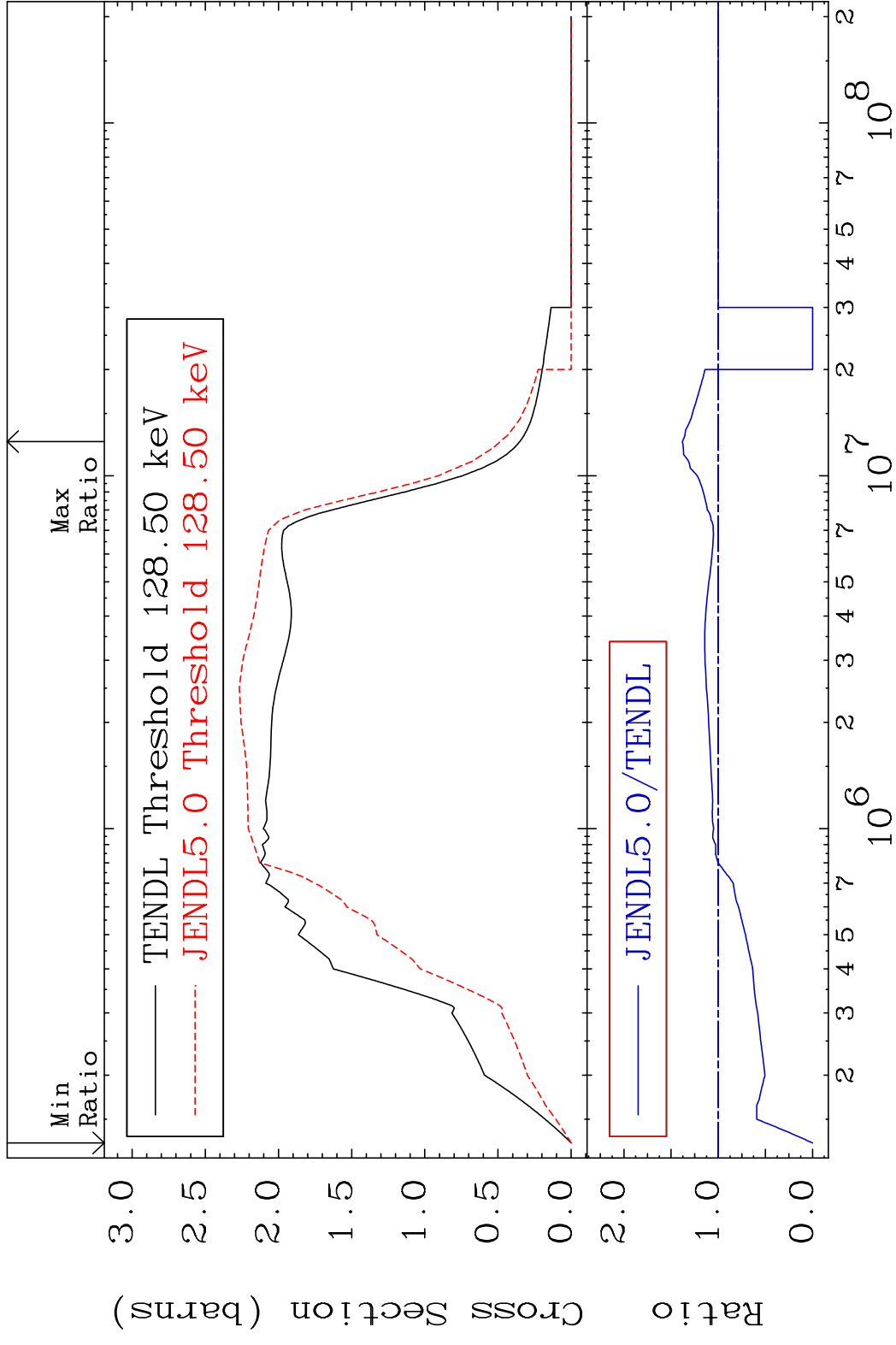


2

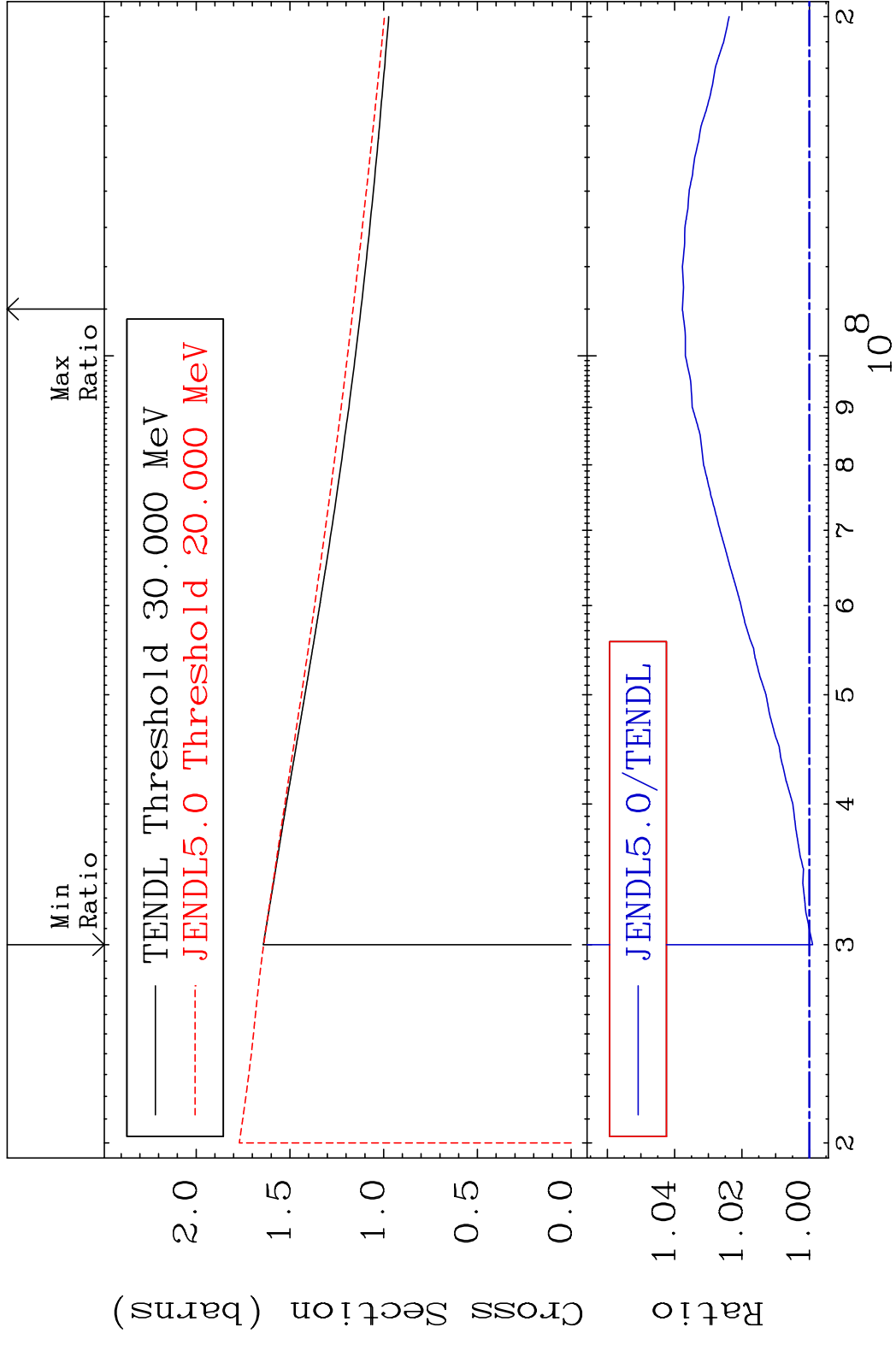
Incident Energy (eV)

44-Ru-101

MAT 4440 Inelastic Cross Section 44-Ru-101
 Cross Section -100.0 To 38.06 %

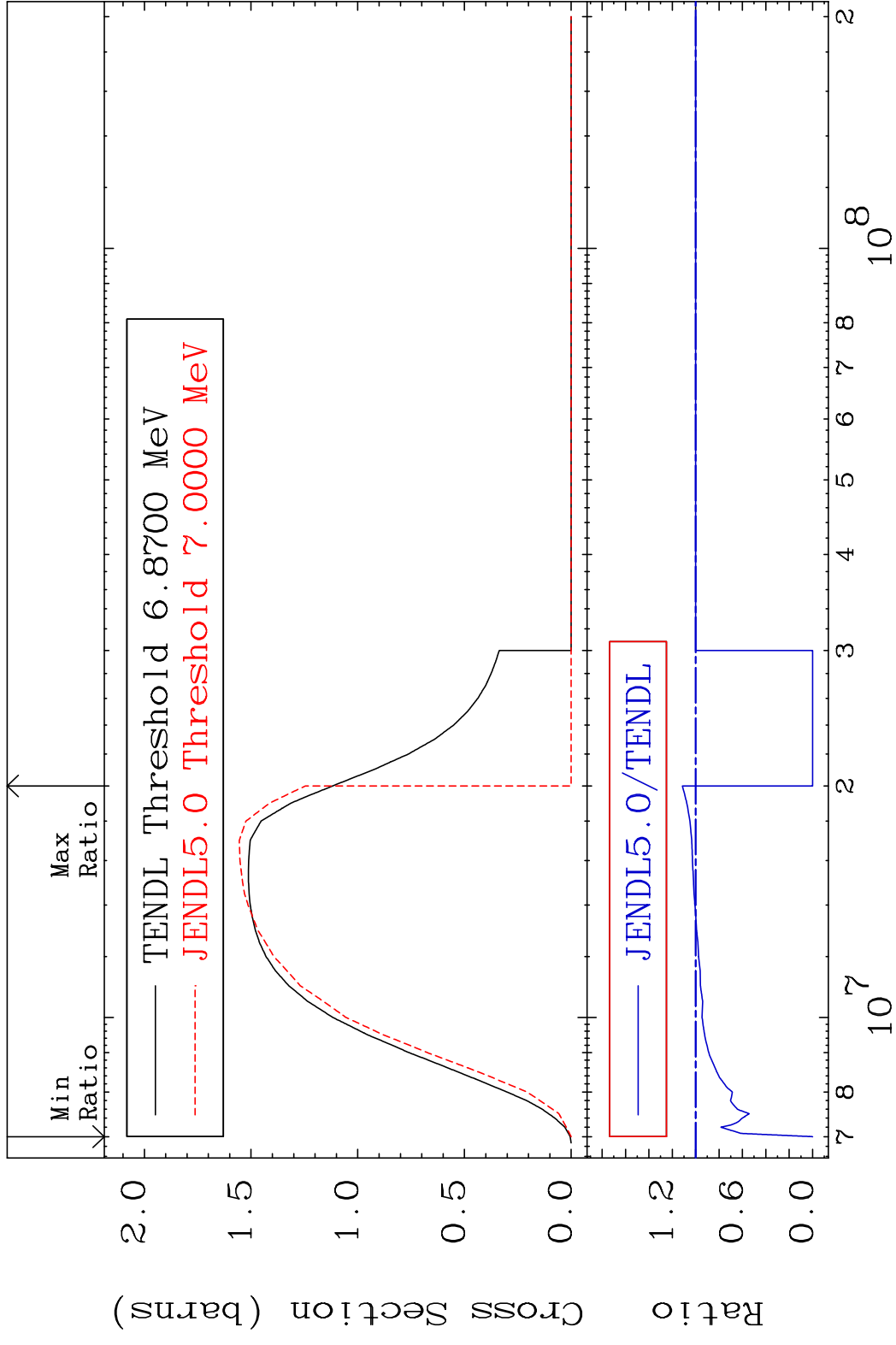


MAT 4440 (n, remainder) 44-Ru-101
 Cross Section -0.096 To 3.771 %

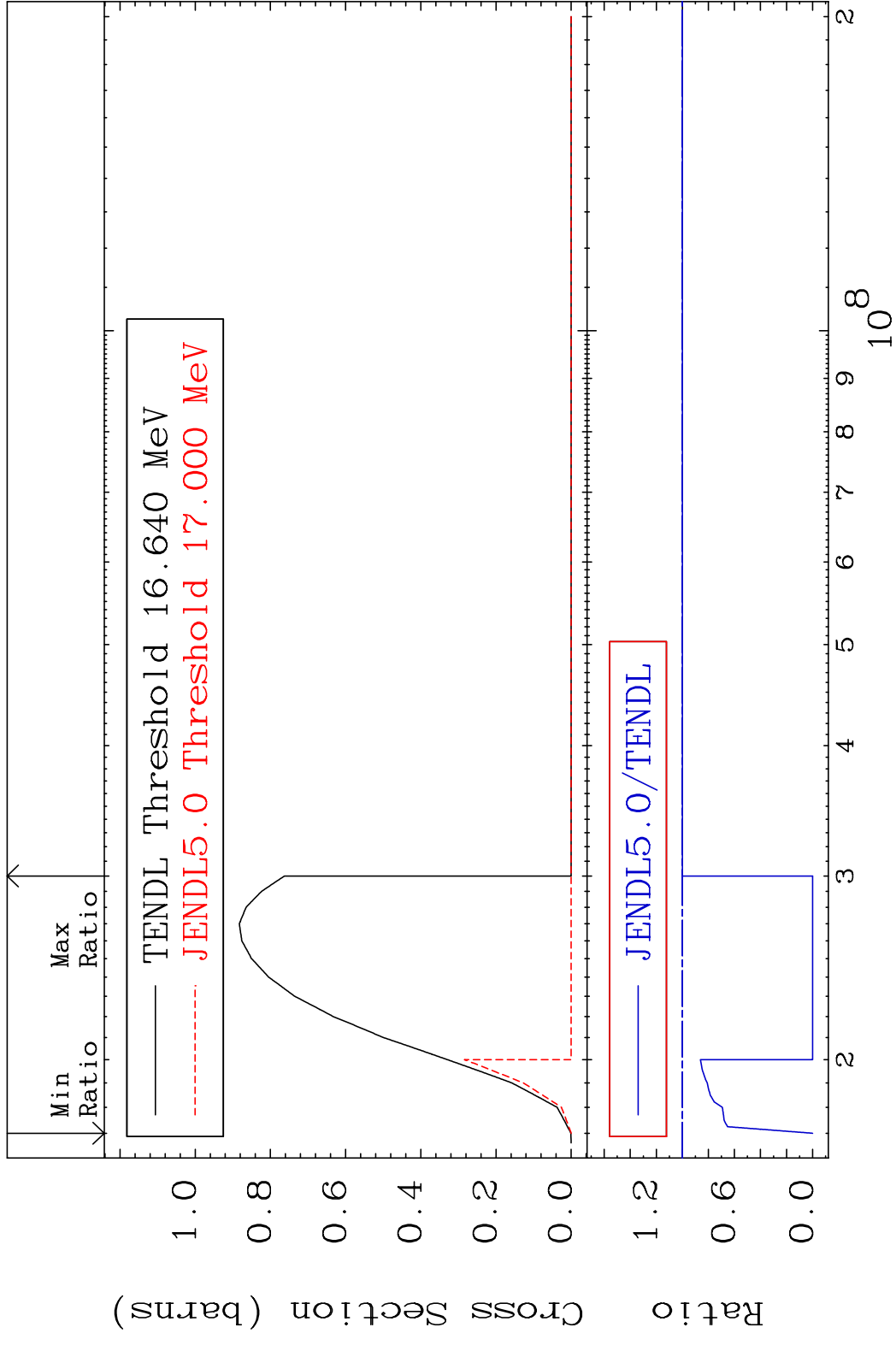


4 Incident Energy (eV) 44-Ru-101

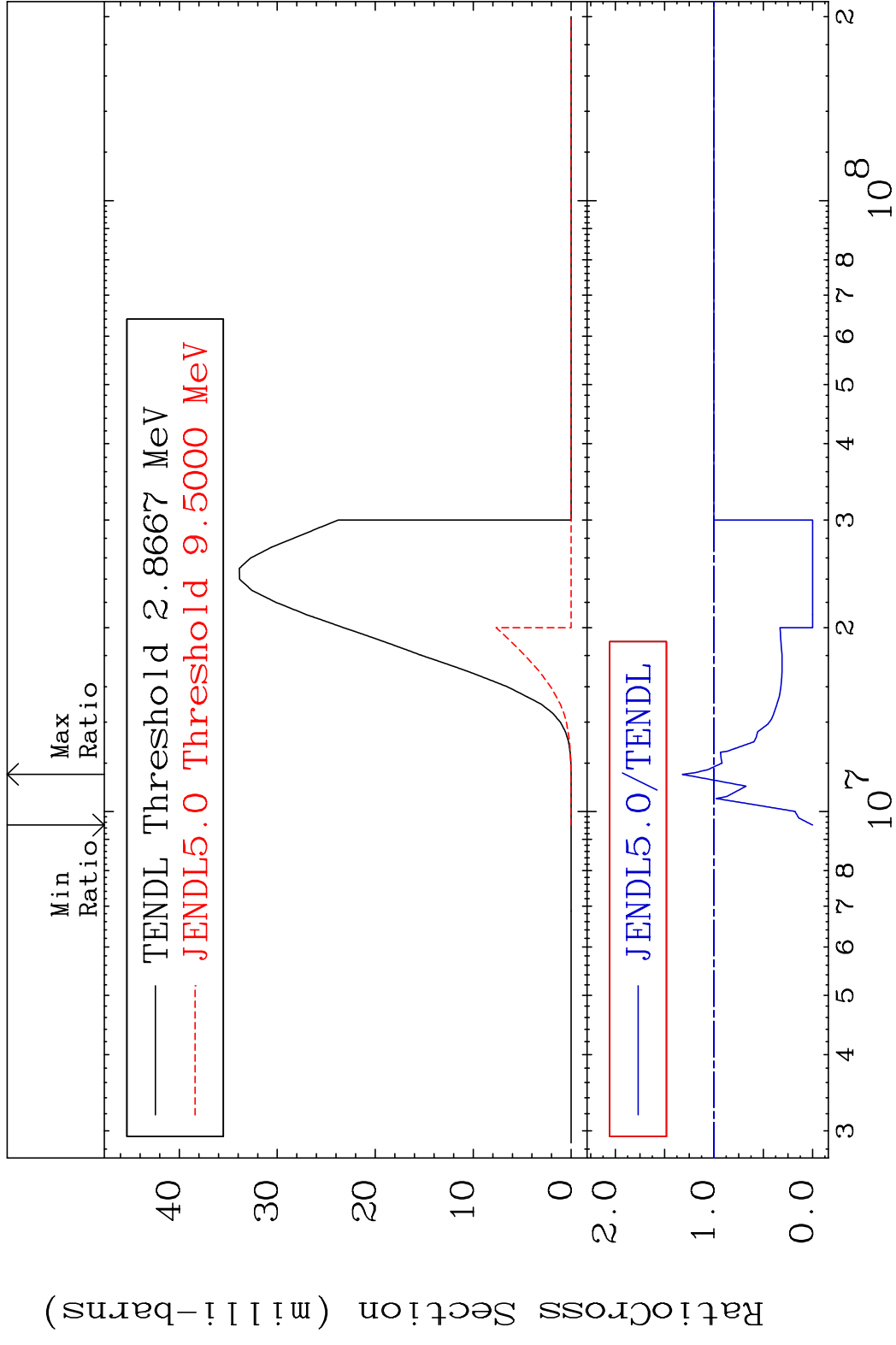
MAT 4440 (n,2n) 44-Ru-101
 Cross Section -100.0 To 11.38 %



MAT 4440 (n,3n) 44-Ru-101
 Cross Section -100.0 To 0.000 %

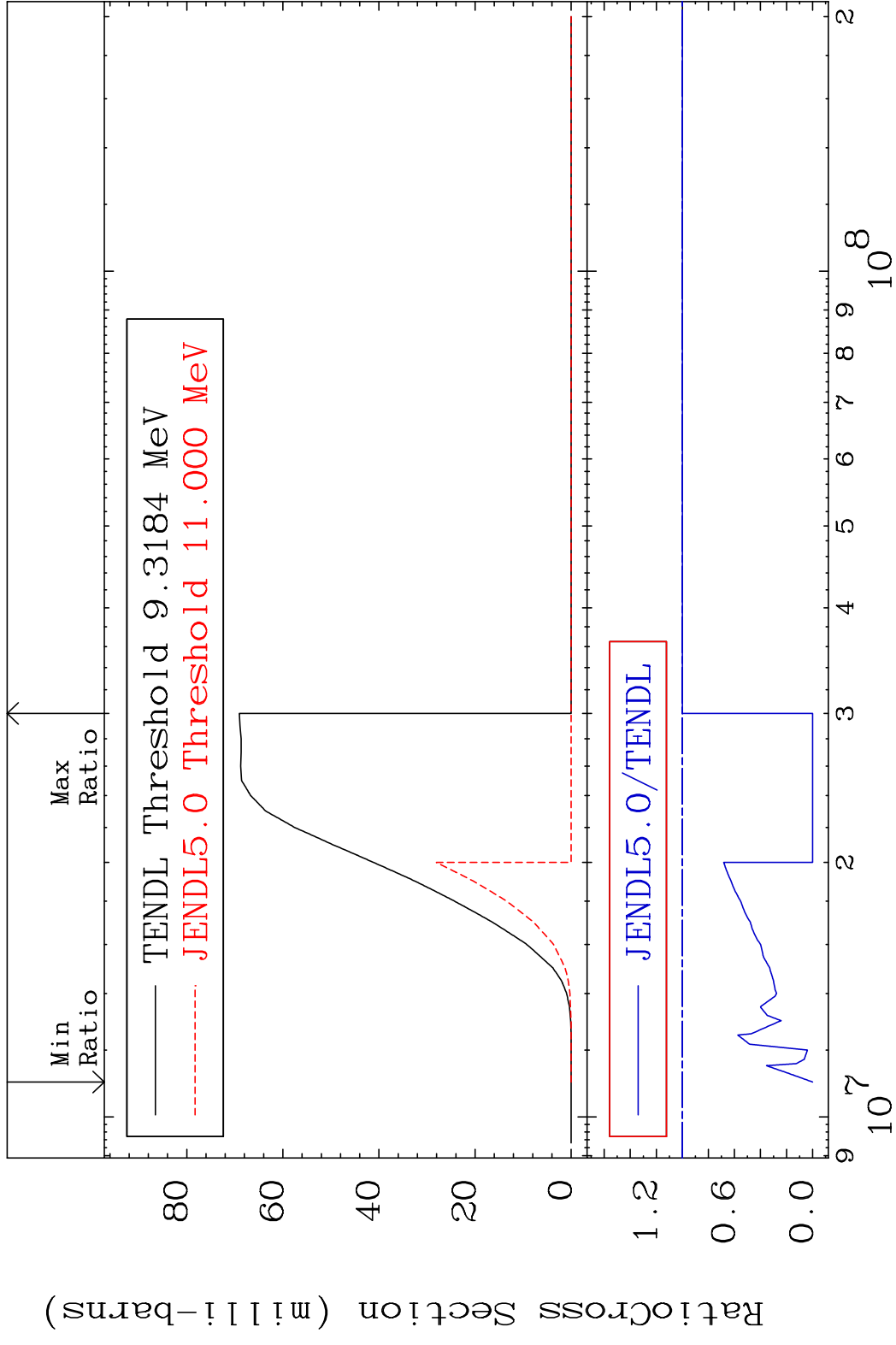


MAT 4440 (n, n') α 44-Ru-101
 Cross Section -100.0 To 32.06 %



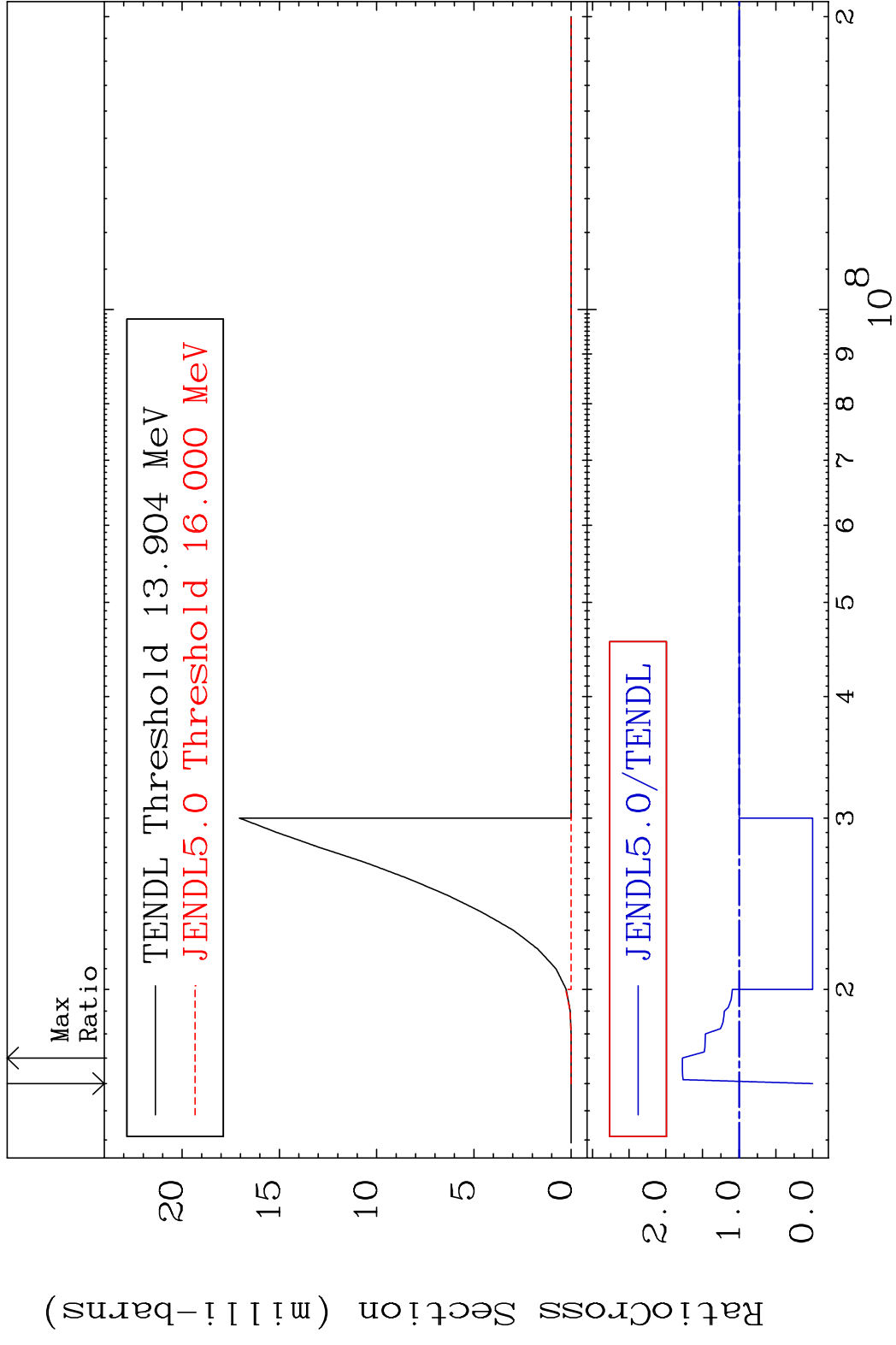
7 Incident Energy (eV) 44-Ru-101

MAT 4440 (n, n') p 44-Ru-101
 Cross Section -100.0 To 0.000 %

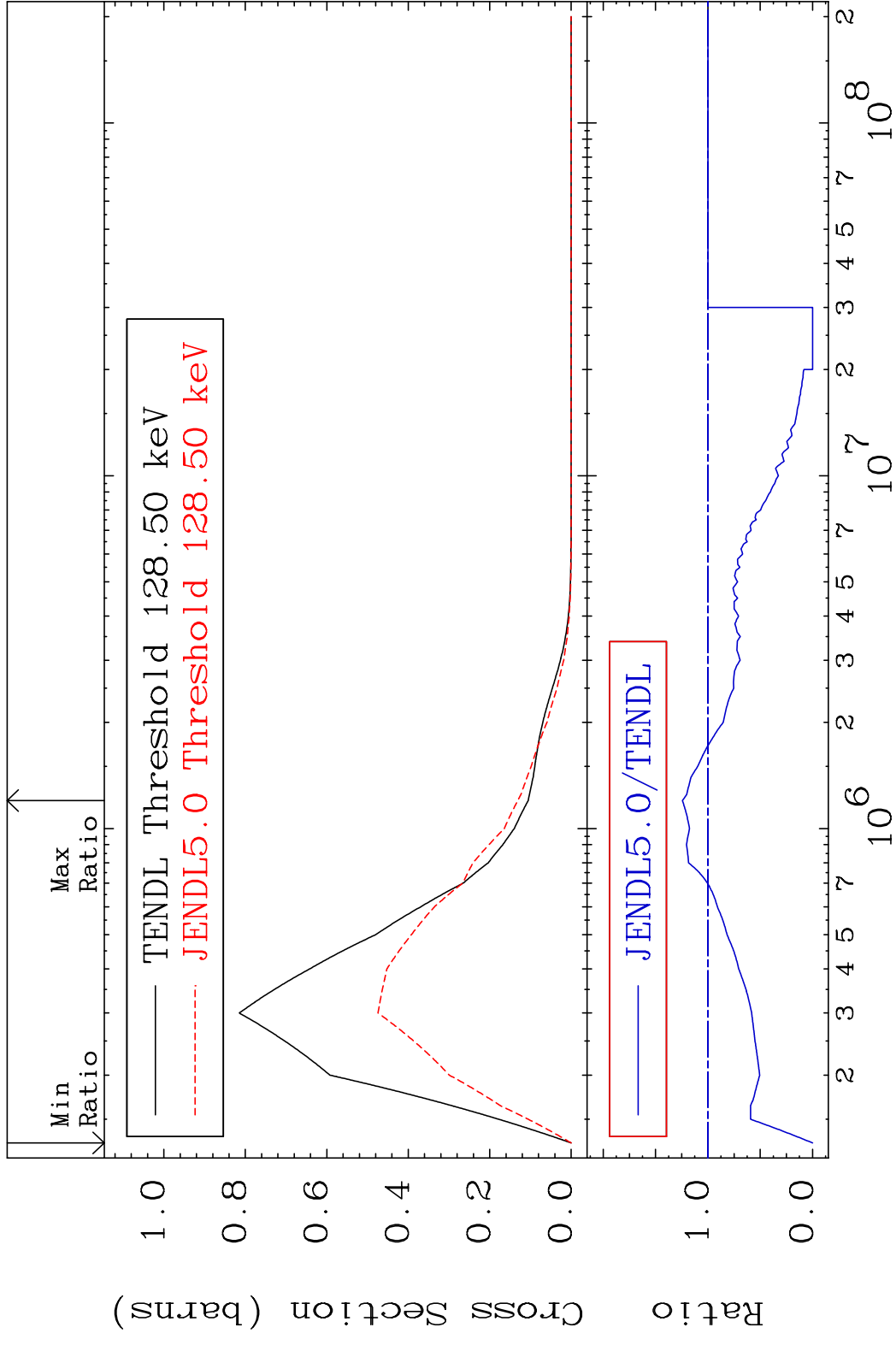


8 8 44-Ru-101

MAT 4440 (n, n') d 44-Ru-101
 Cross Section -100.0 To 77.44 %

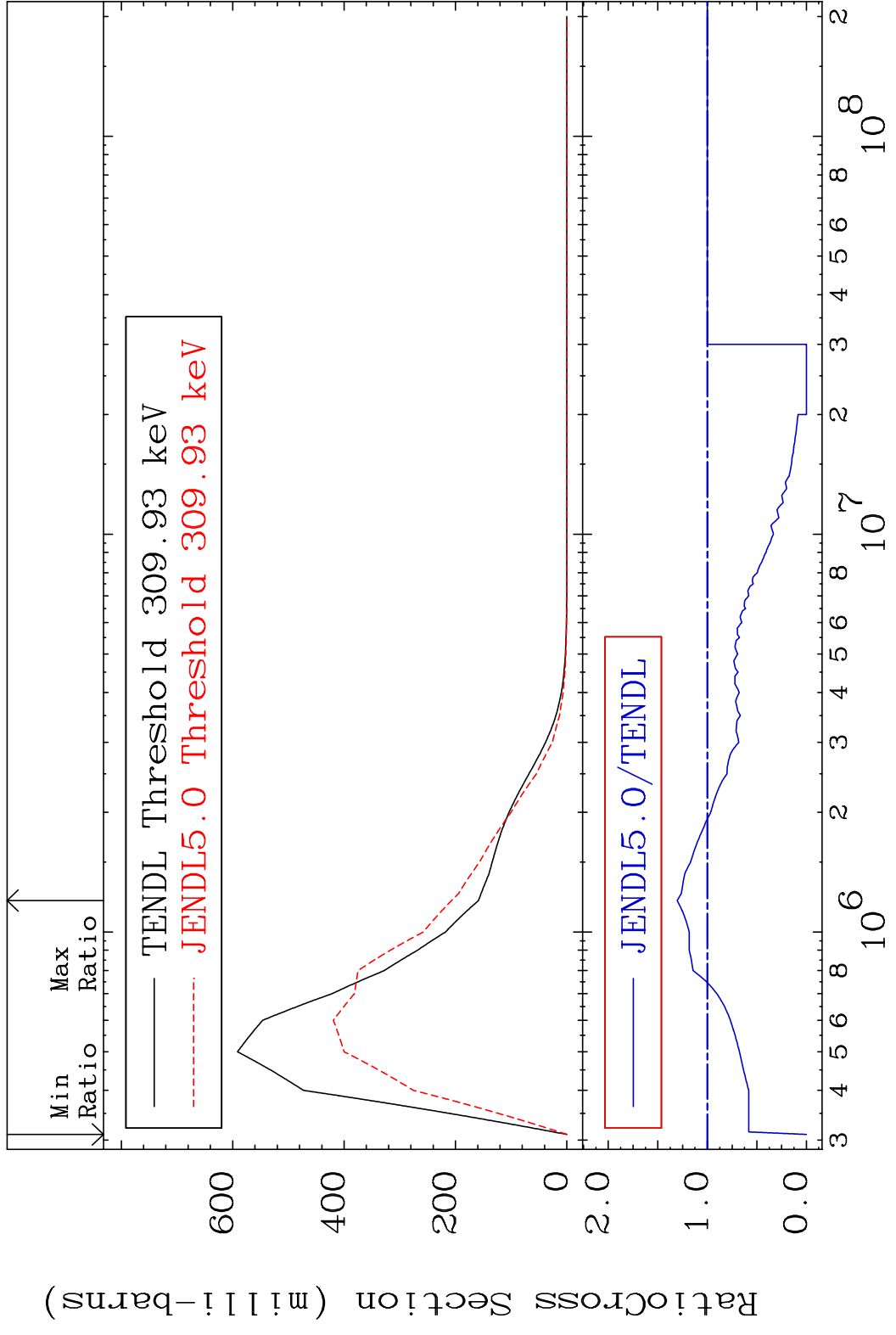


MAT 4440 MT= 51 (n,n') Level 44-Ru-101
 Cross Section -100.0 To 24.40 %

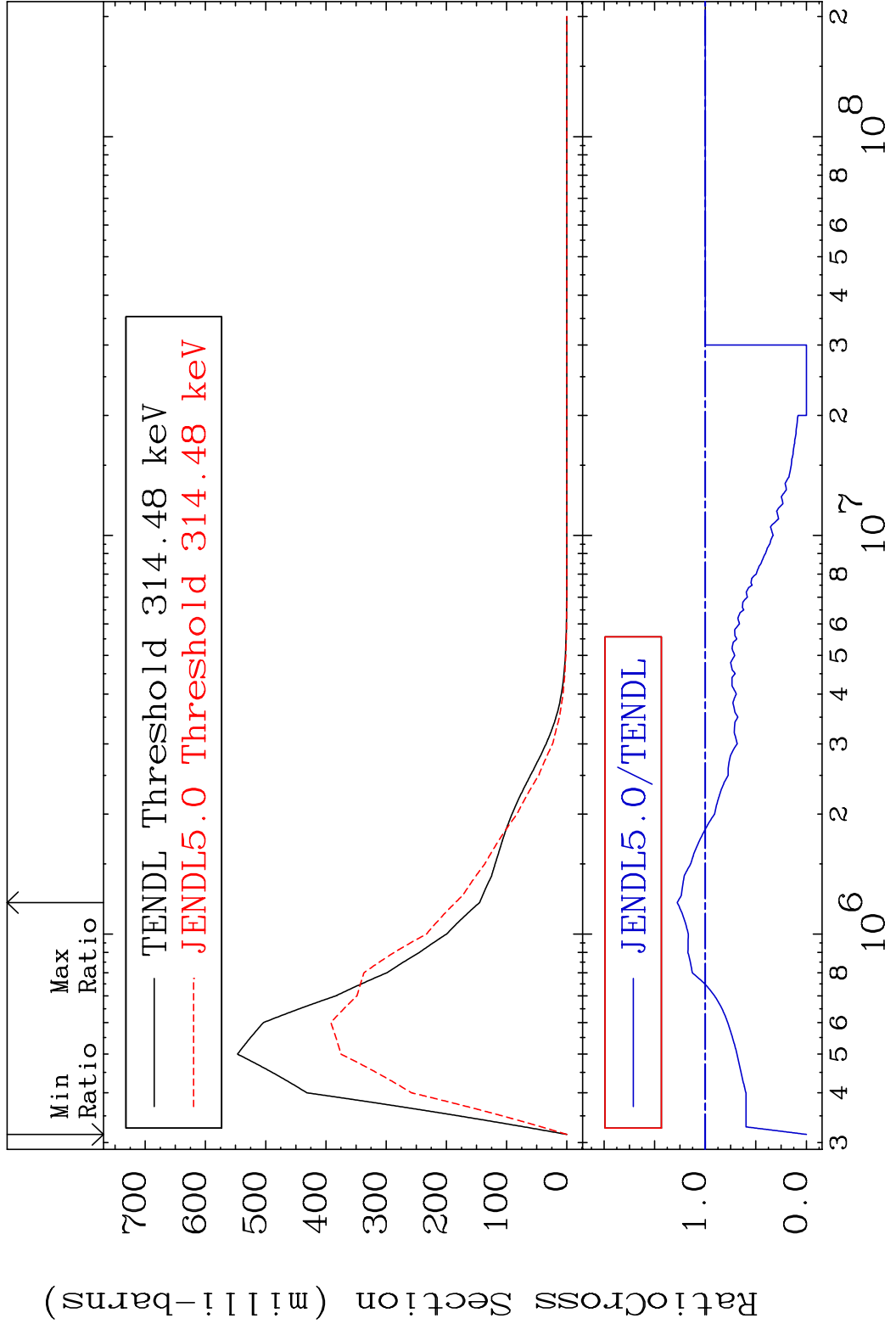


10 Incident Energy (eV) 44-Ru-101

MAT 4440 MT= 52 (n,n') Level 44-Ru-101
 Cross Section -100.0 To 30.45 %

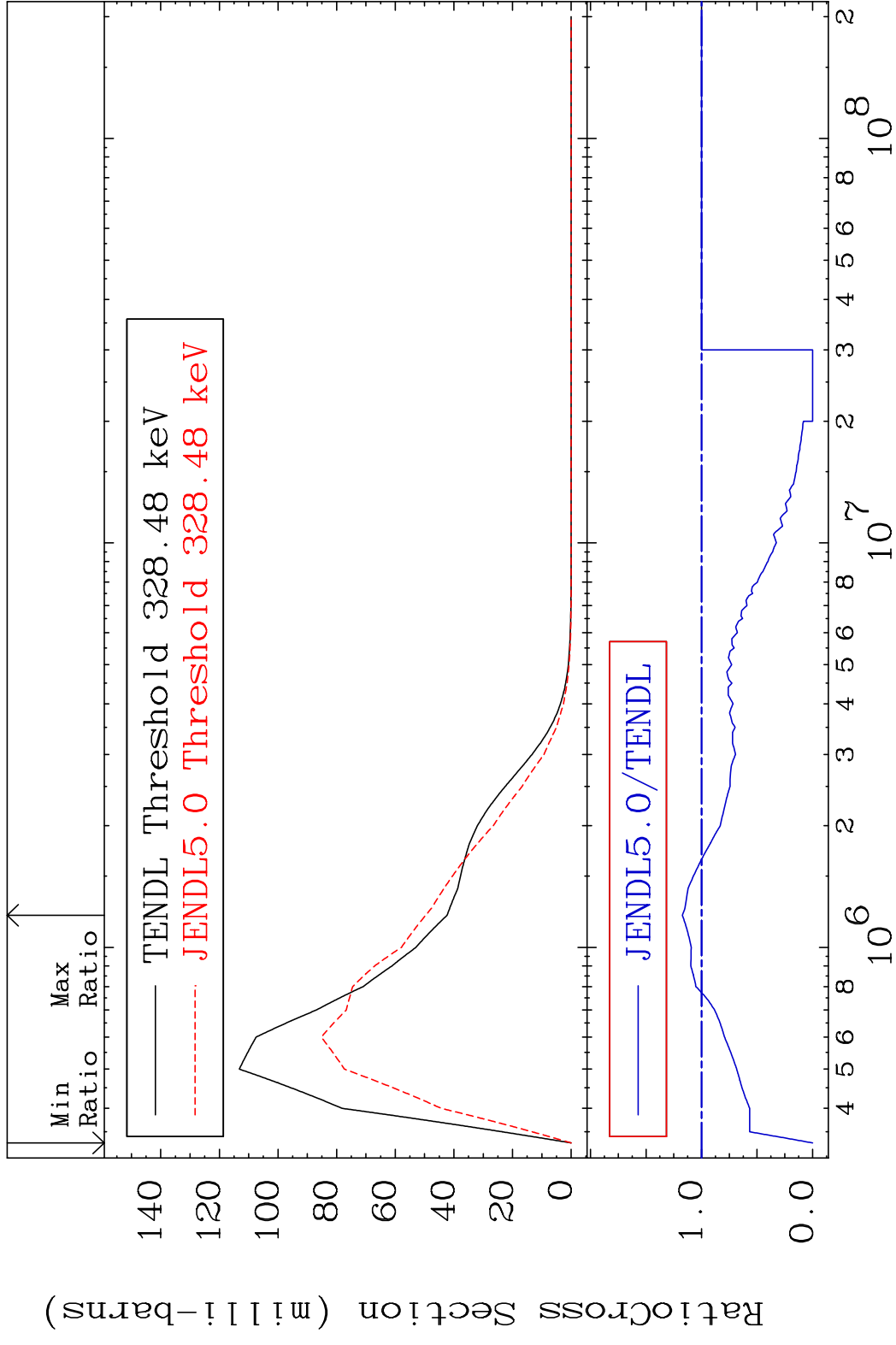


MAT 4440 MT= 53 (n,n') Level 44-Ru-101
 Cross Section -100.0 To 27.72 %

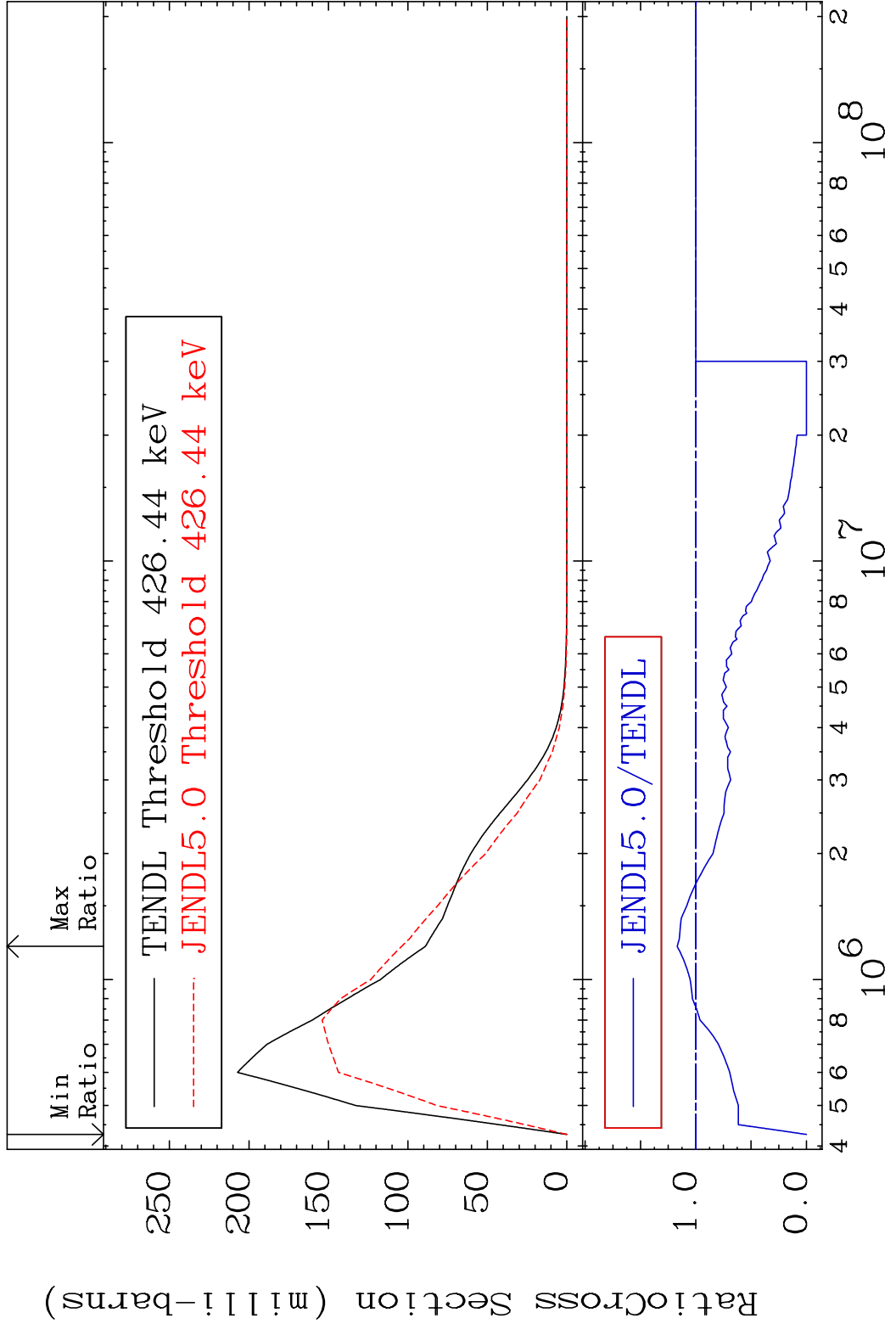


12 Incident Energy (eV) 44-Ru-101

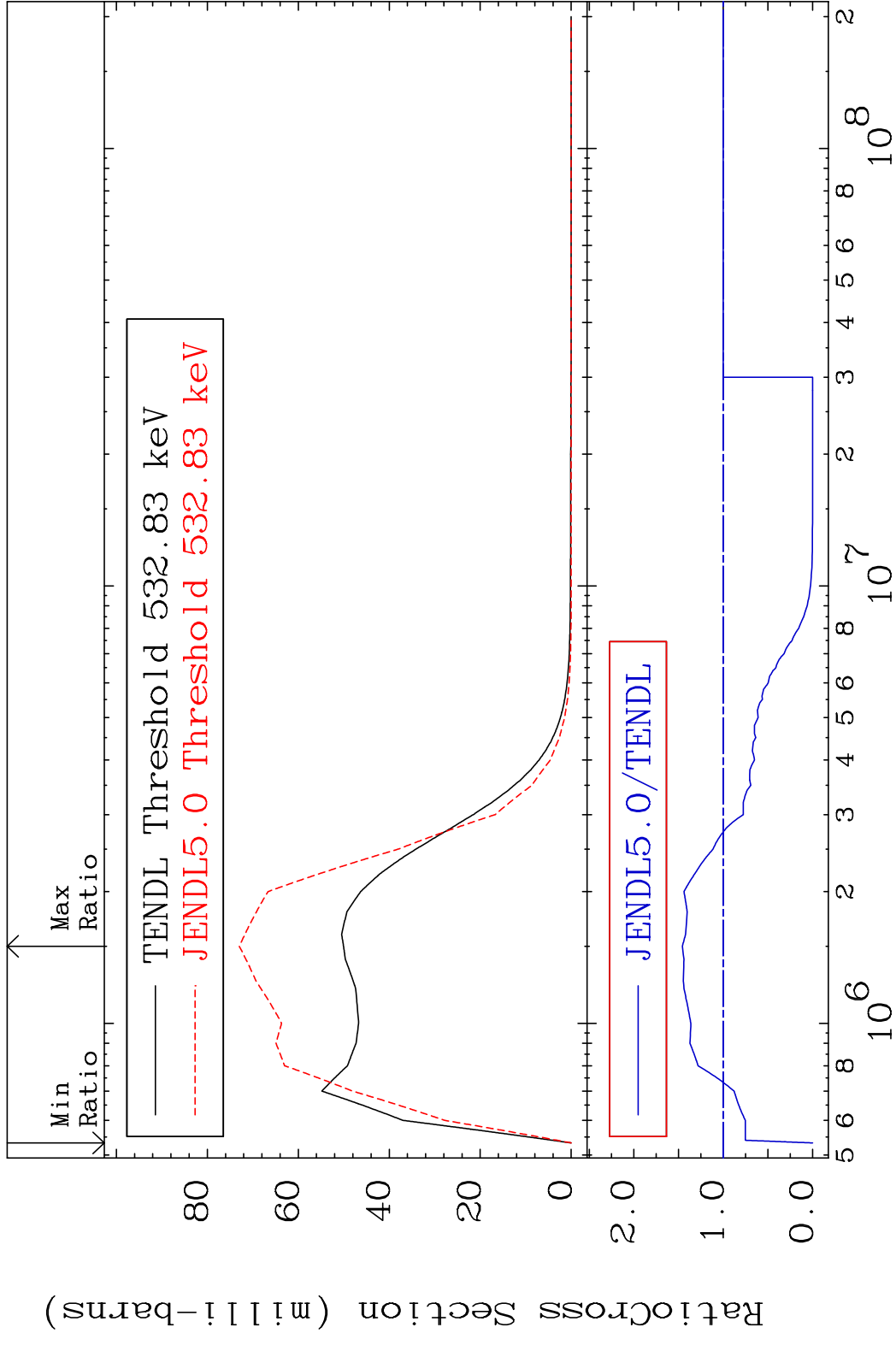
MAT 4440 MT= 54 (n,n') Level 44-Ru-101
 Cross Section -100.0 To 17.29 %



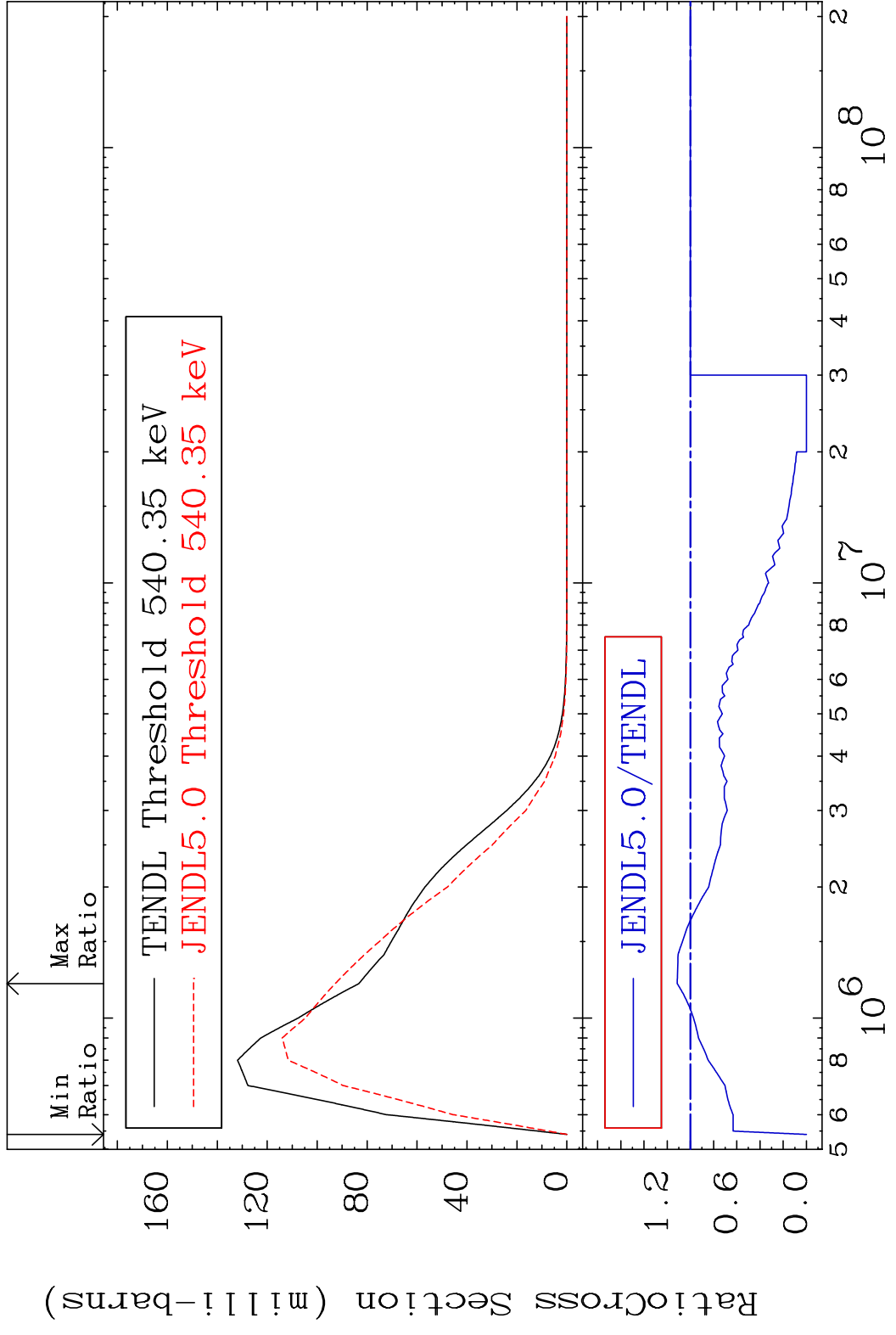
MAT 4440 MT= 55 (n,n') Level 44-Ru-101
 Cross Section -100.0 To 16.83 %



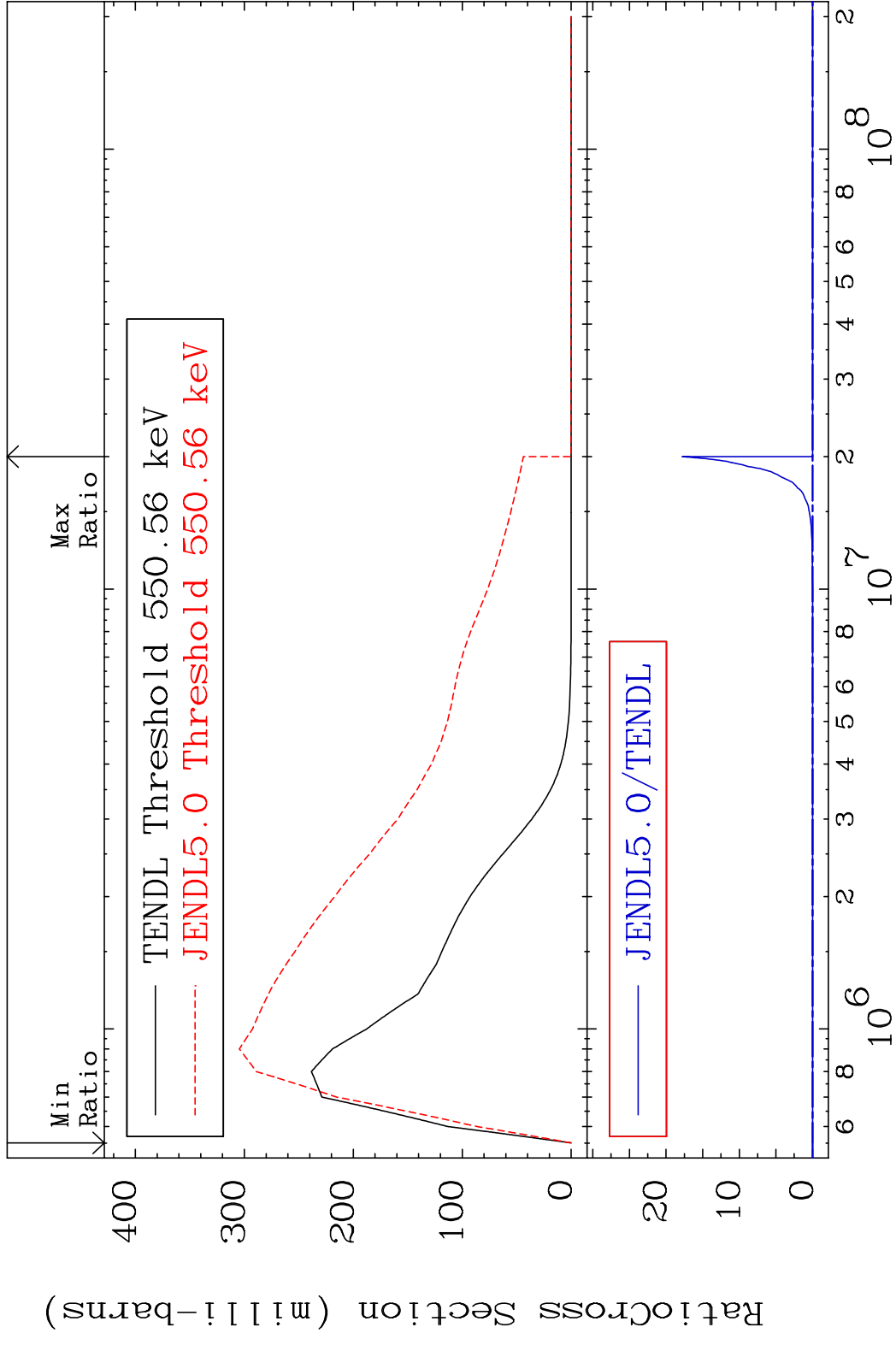
MAT 4440 MT= 56 (n,n') Level 44-Ru-101
 Cross Section -100.0 To 45.76 %



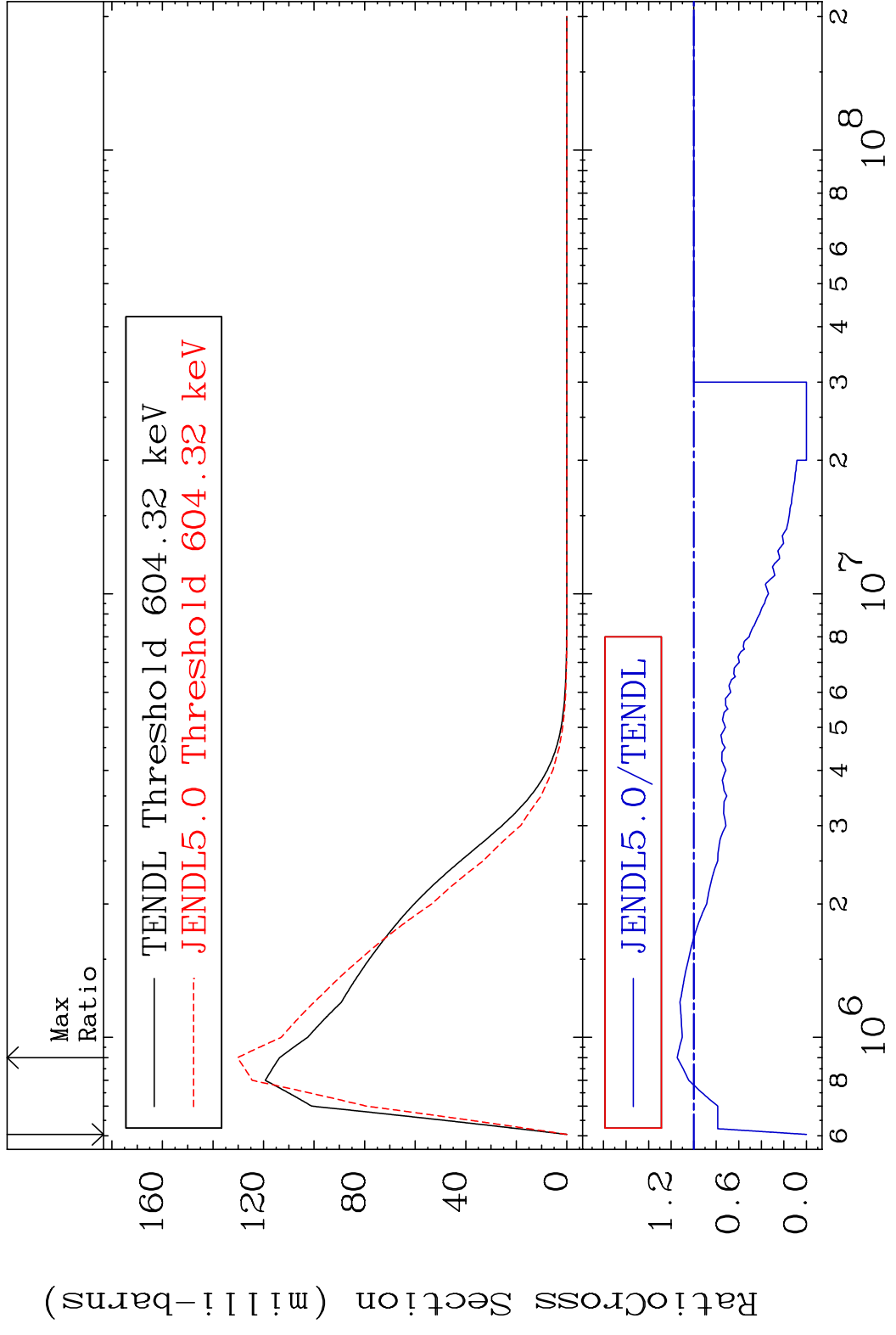
MAT 4440 MT= 57 (n,n') Level 44-Ru-101
 Cross Section -100.0 To 11.36 %



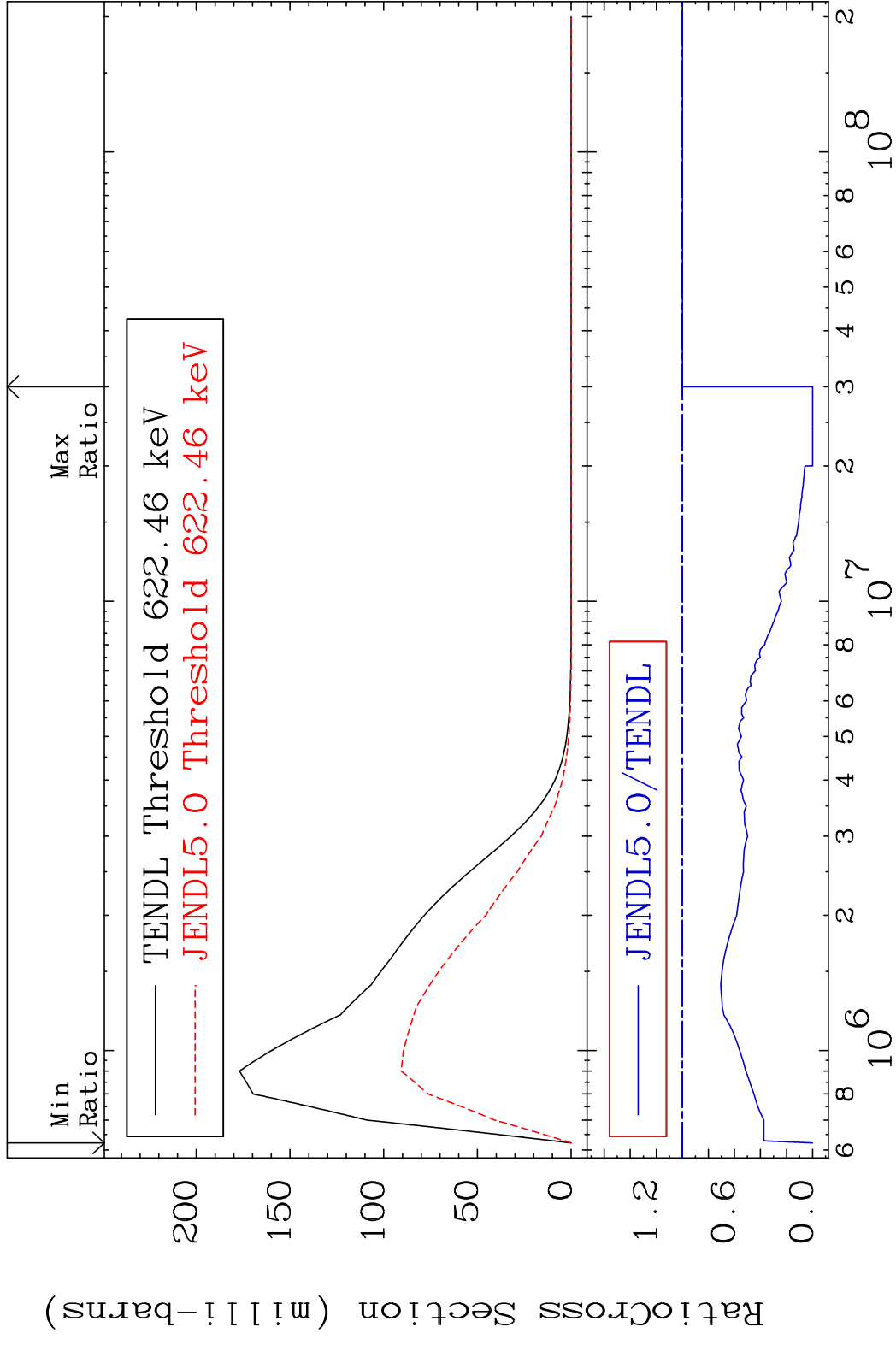
MAT 4440 MT= 58 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 9999. %



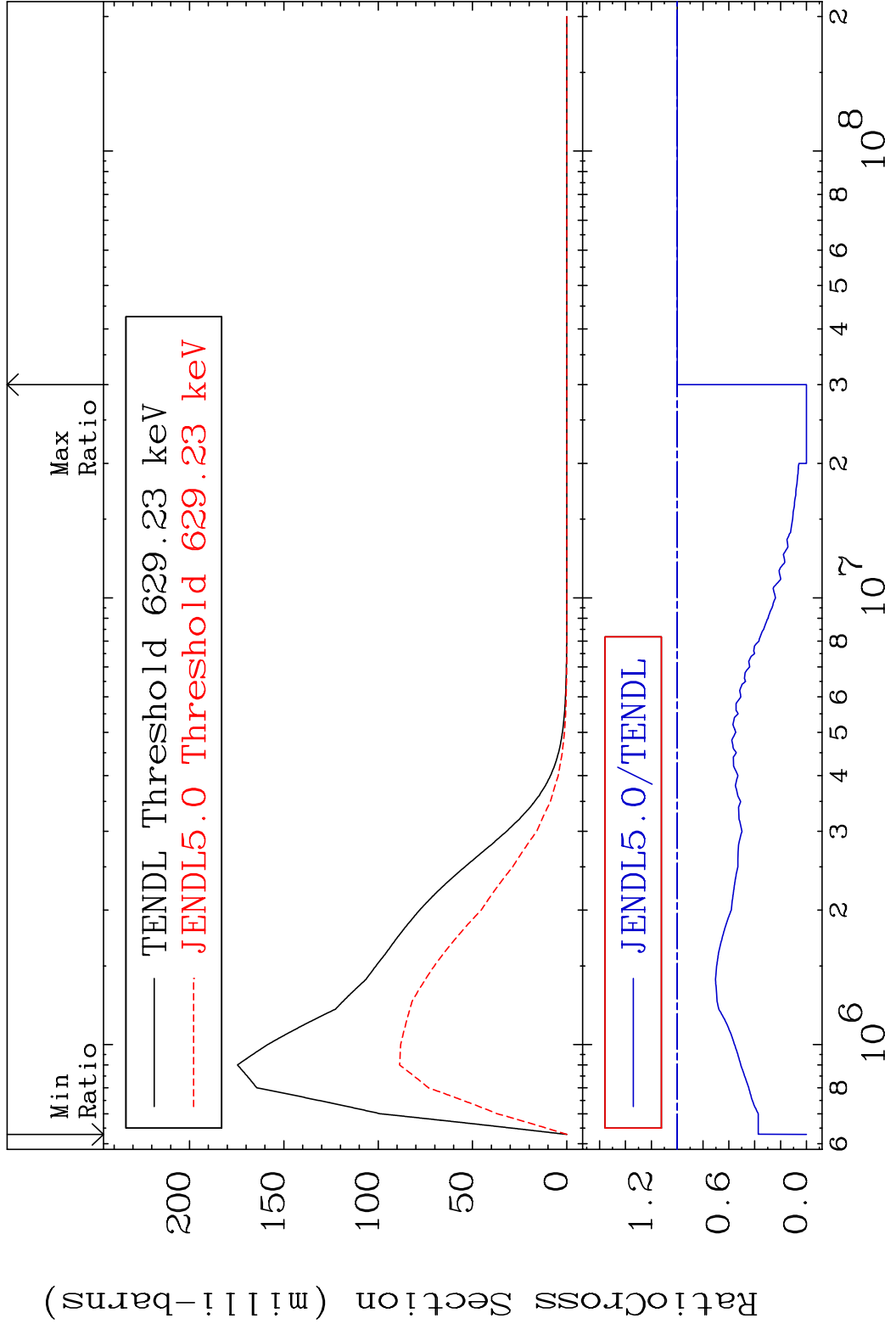
MAT 4440 MT= 59 (n,n') Level 44-Ru-101
 Cross Section -100.0 To 14.63 %



MAT 4440 MT= 60 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 0.000 %

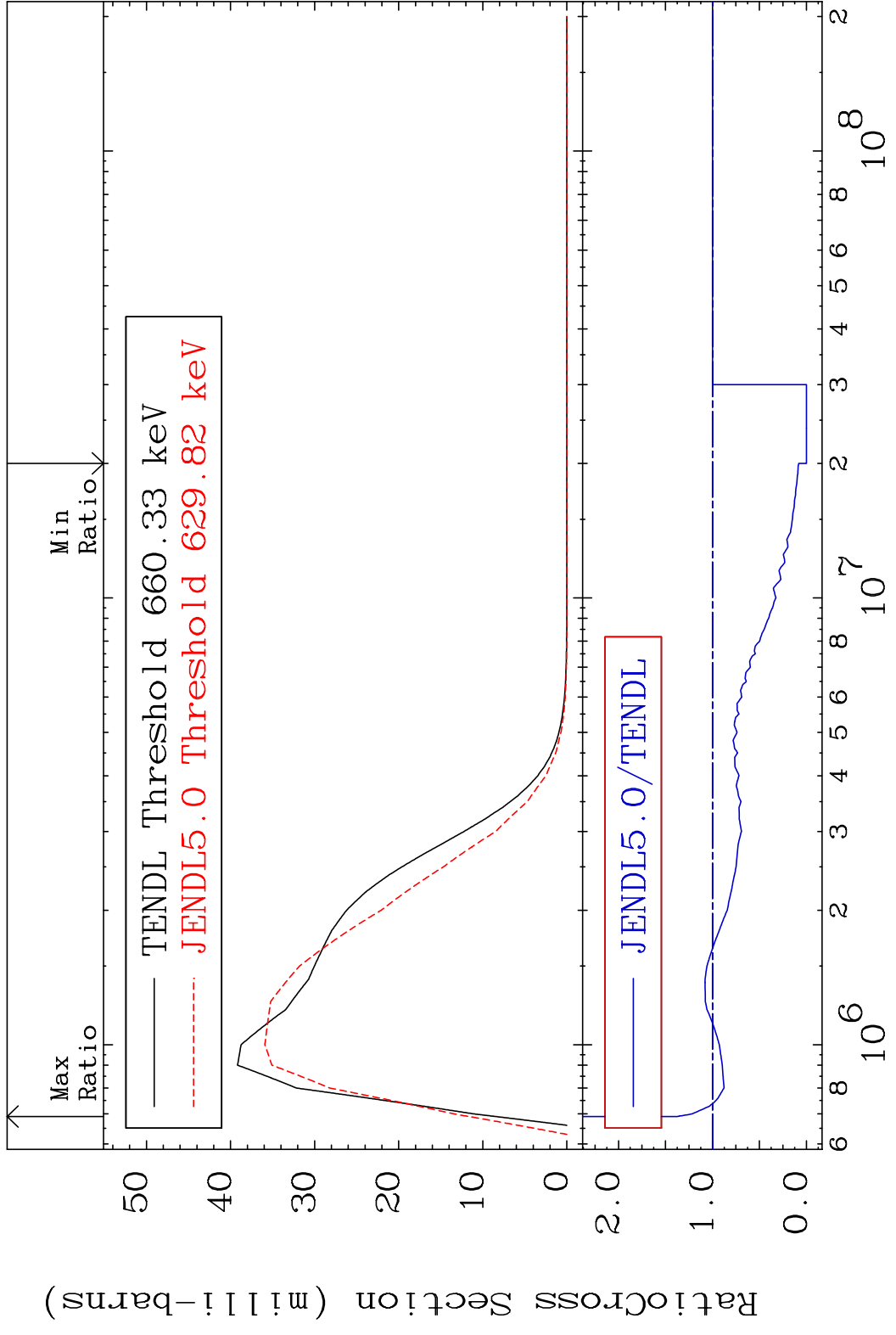


MAT 4440 MT= 61 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 0.000 %

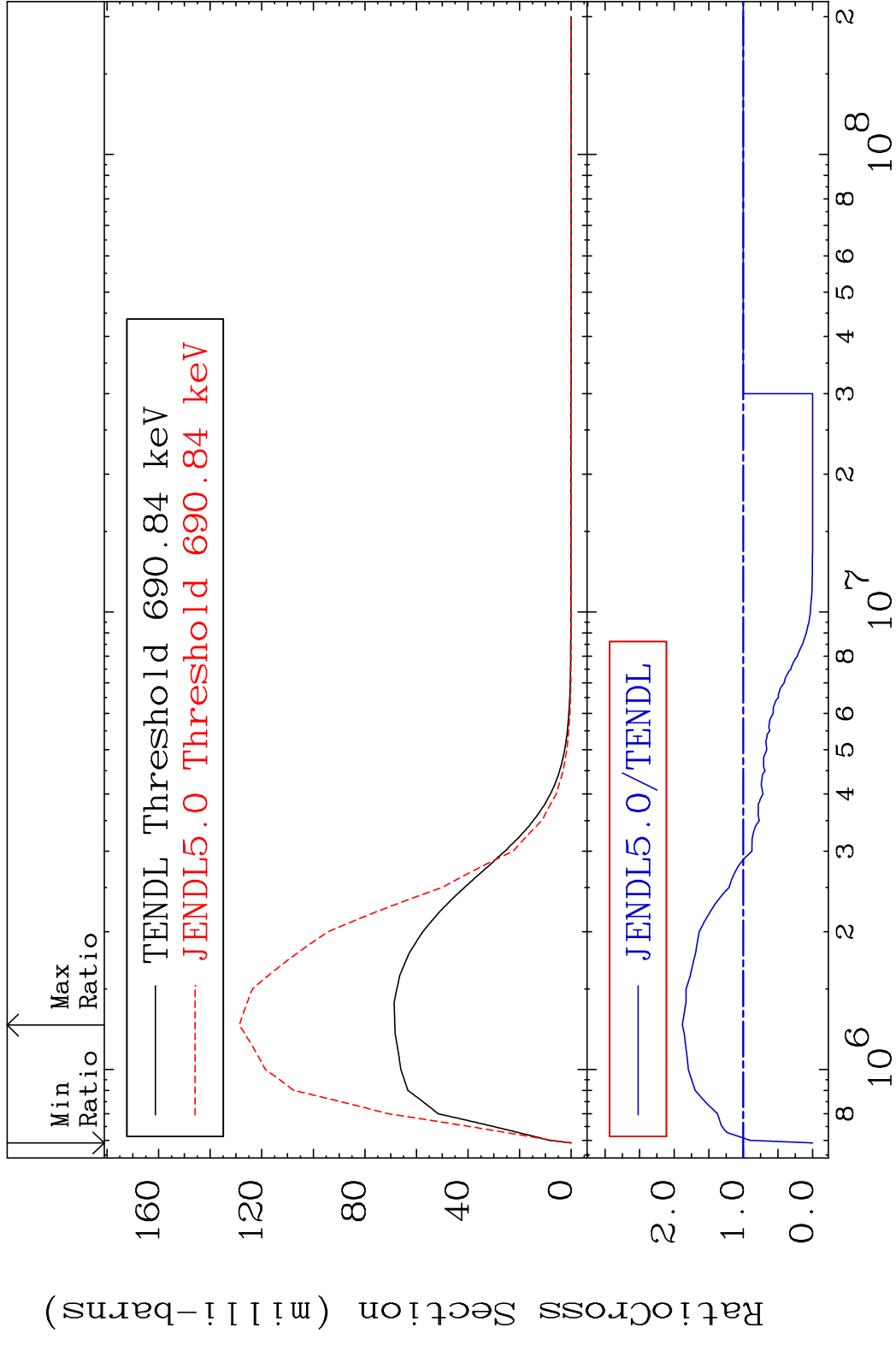


20 44-Ru-101

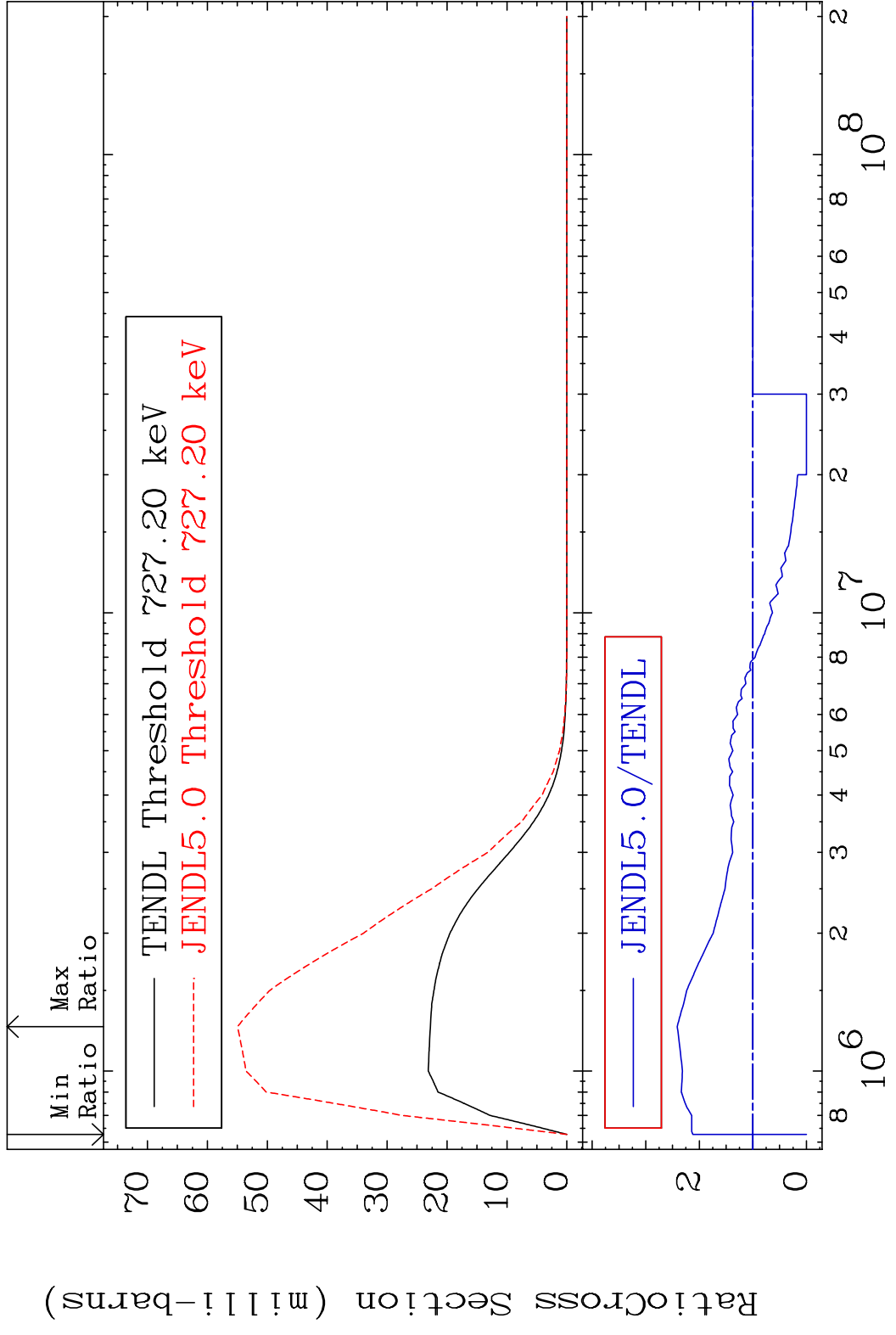
MAT 4440 MT= 62 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 37.54 %



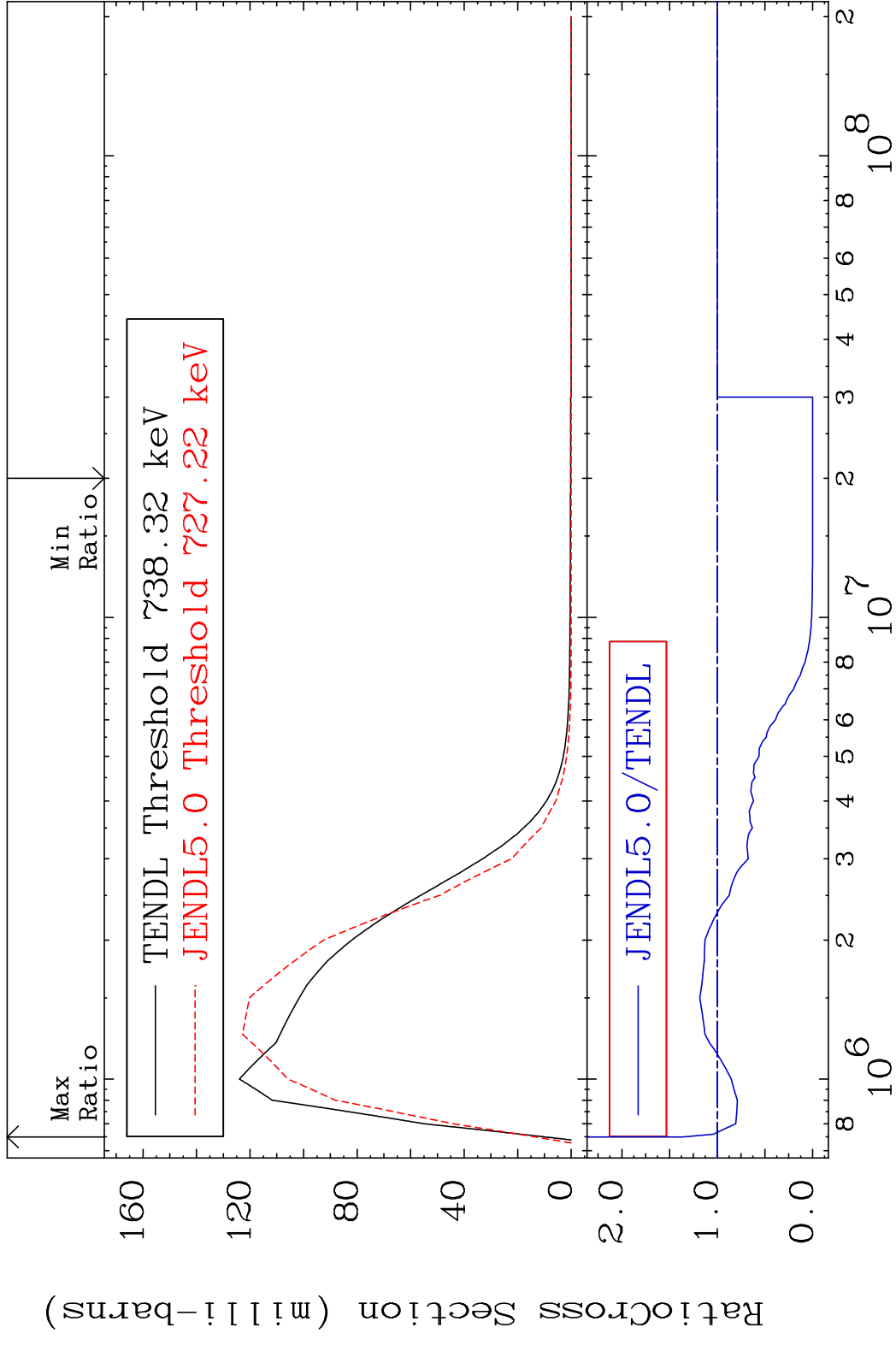
MAT 4440 MT= 63 (n,n') Level 44-Ru-101
 Cross Section -100.0 To 88.23 %



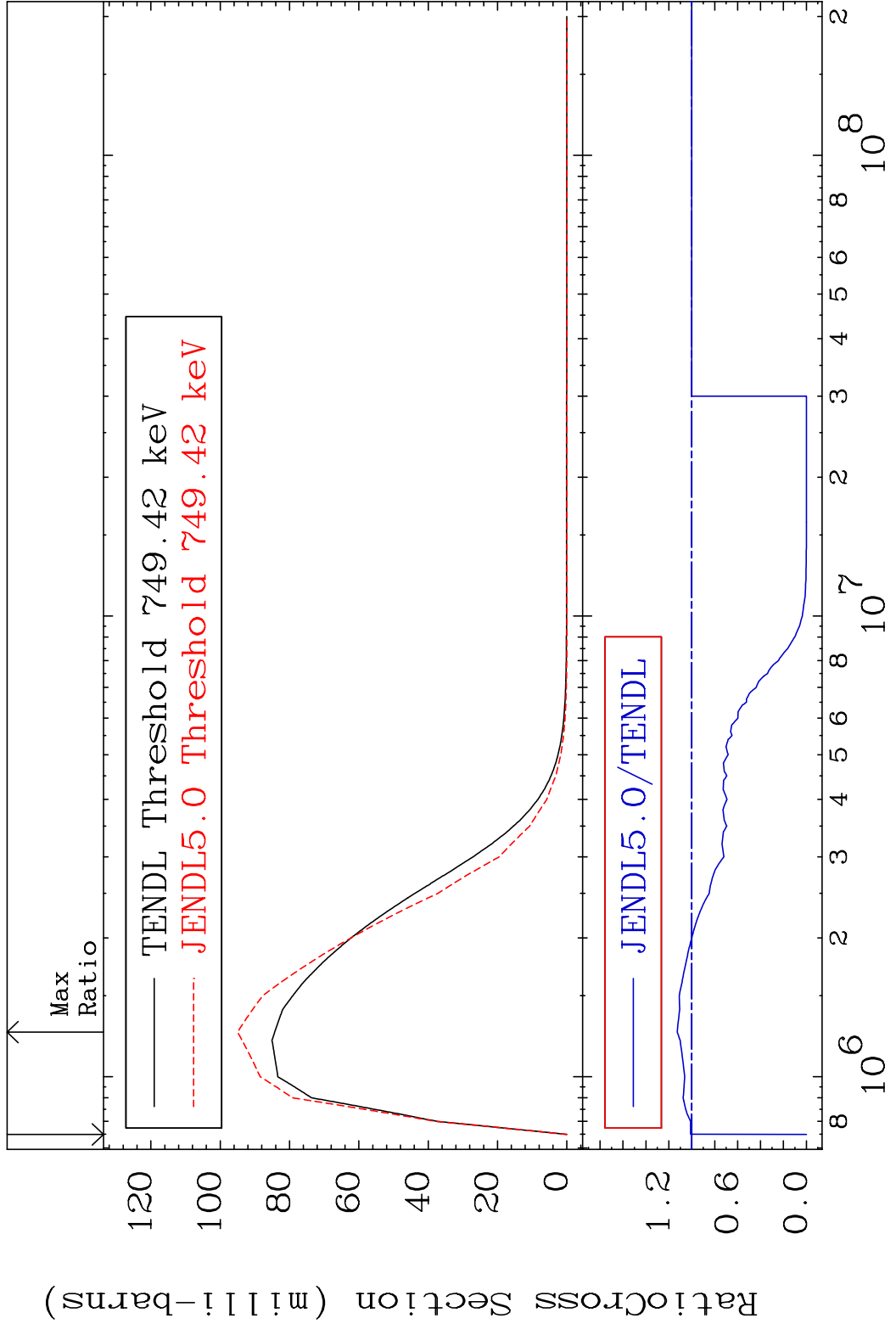
MAT 4440 MT= 64 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 141.3 %



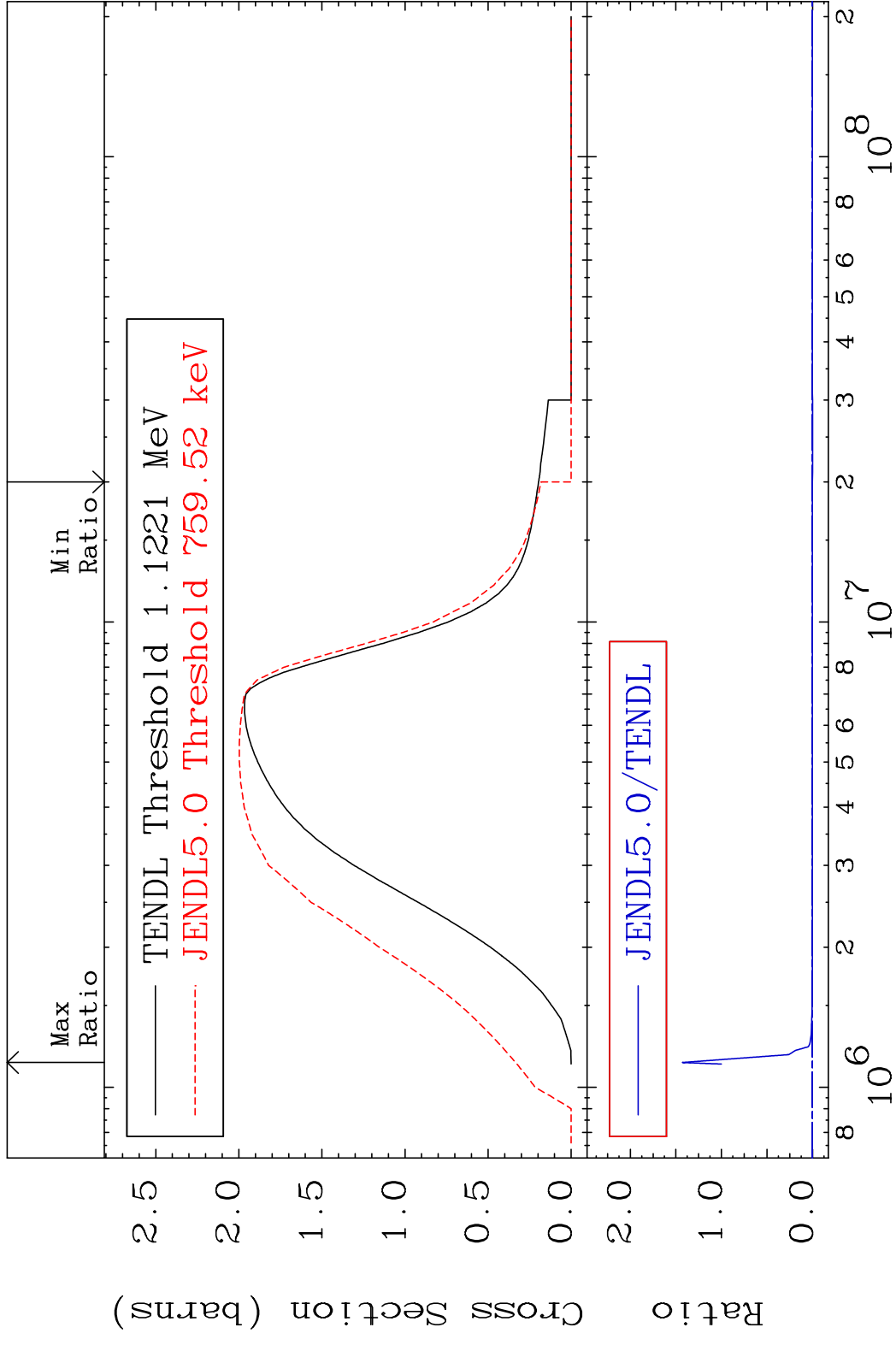
MAT 4440 MT= 65 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 36.57 %



MAT 4440 MT= 66 (n,n') Level 44-Ru-101
 Cross Section -100.0 To 12.73 %



MAT 4440 (n, n') Continuum 44-Ru-101
 Cross Section -100.0 To 9999. %

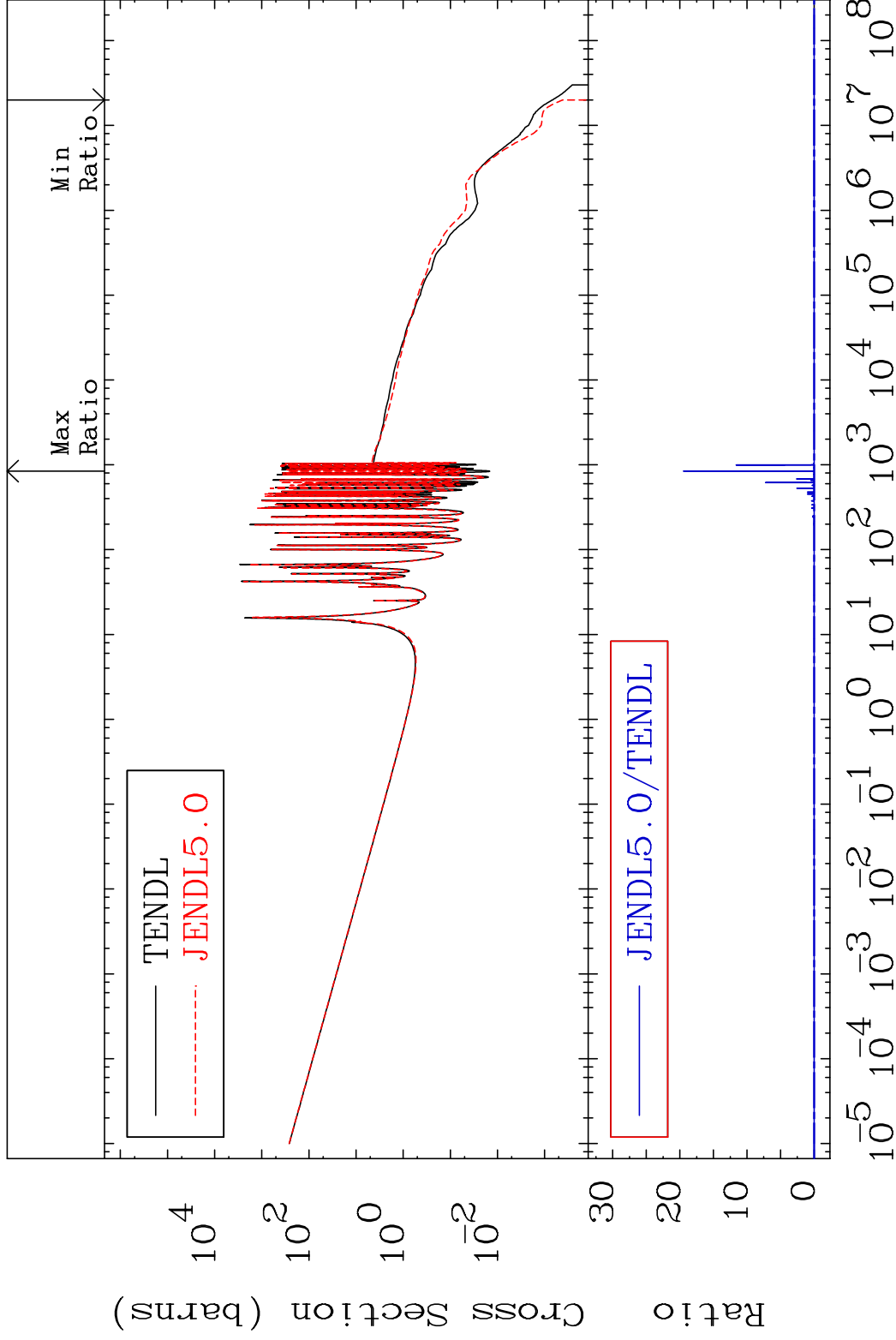


MAT 4440

(n, γ)

44-Ru-101

Cross Section -100.0 To 9999. %

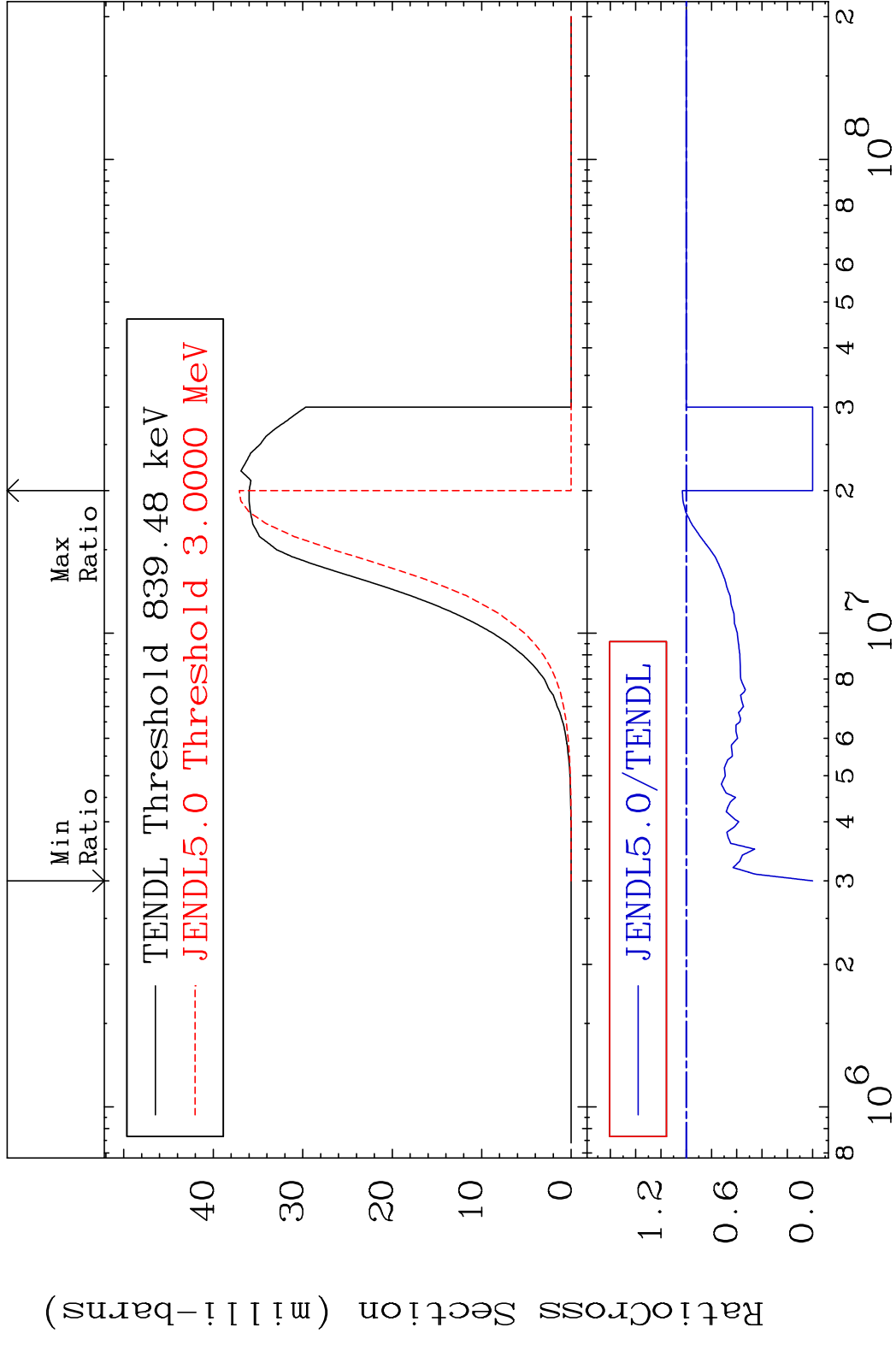


27

Incident Energy (eV)

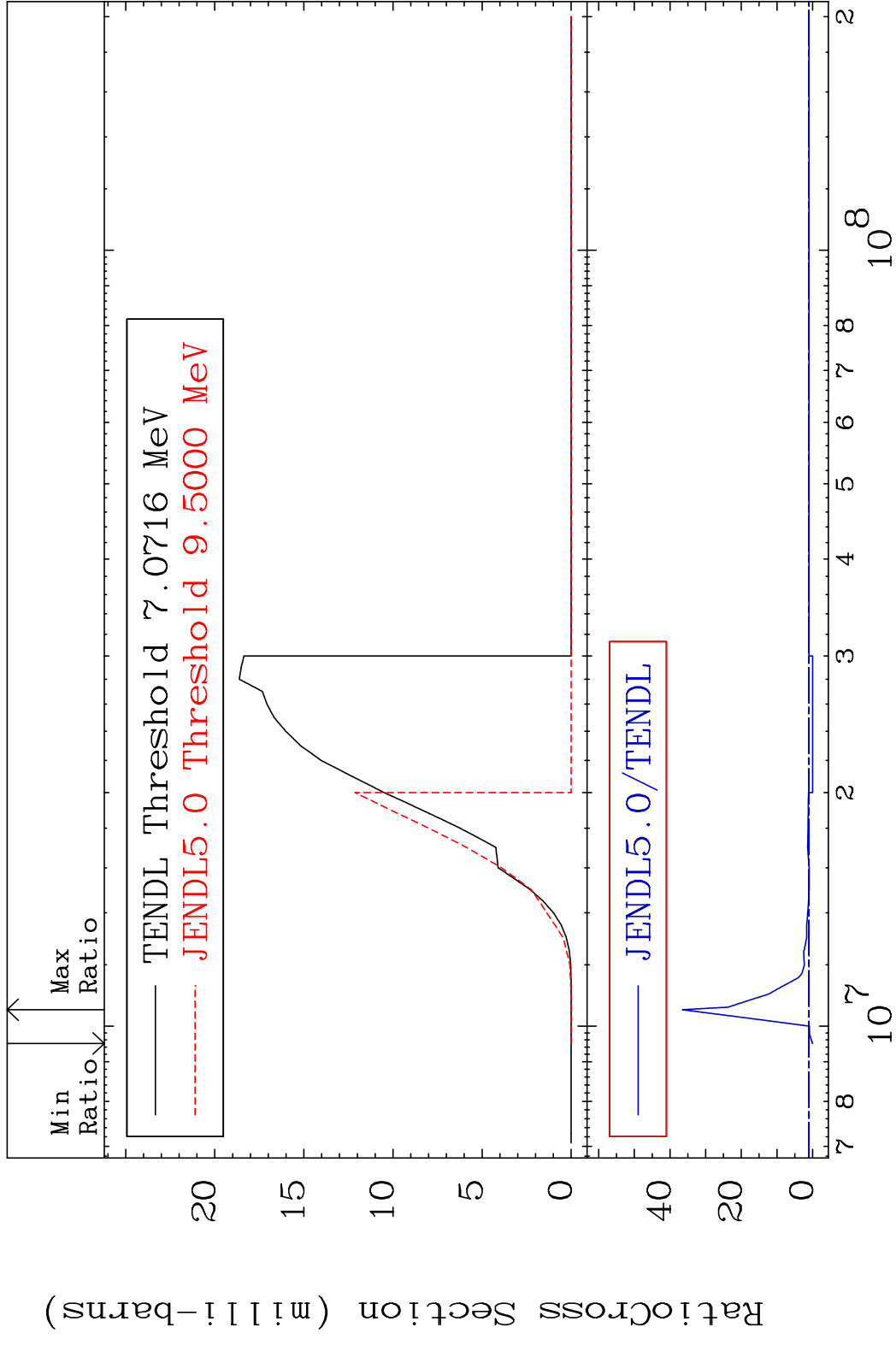
44-Ru-101

MAT 4440 (n,p) 44-Ru-101
 Cross Section -100.0 To 3.052 %



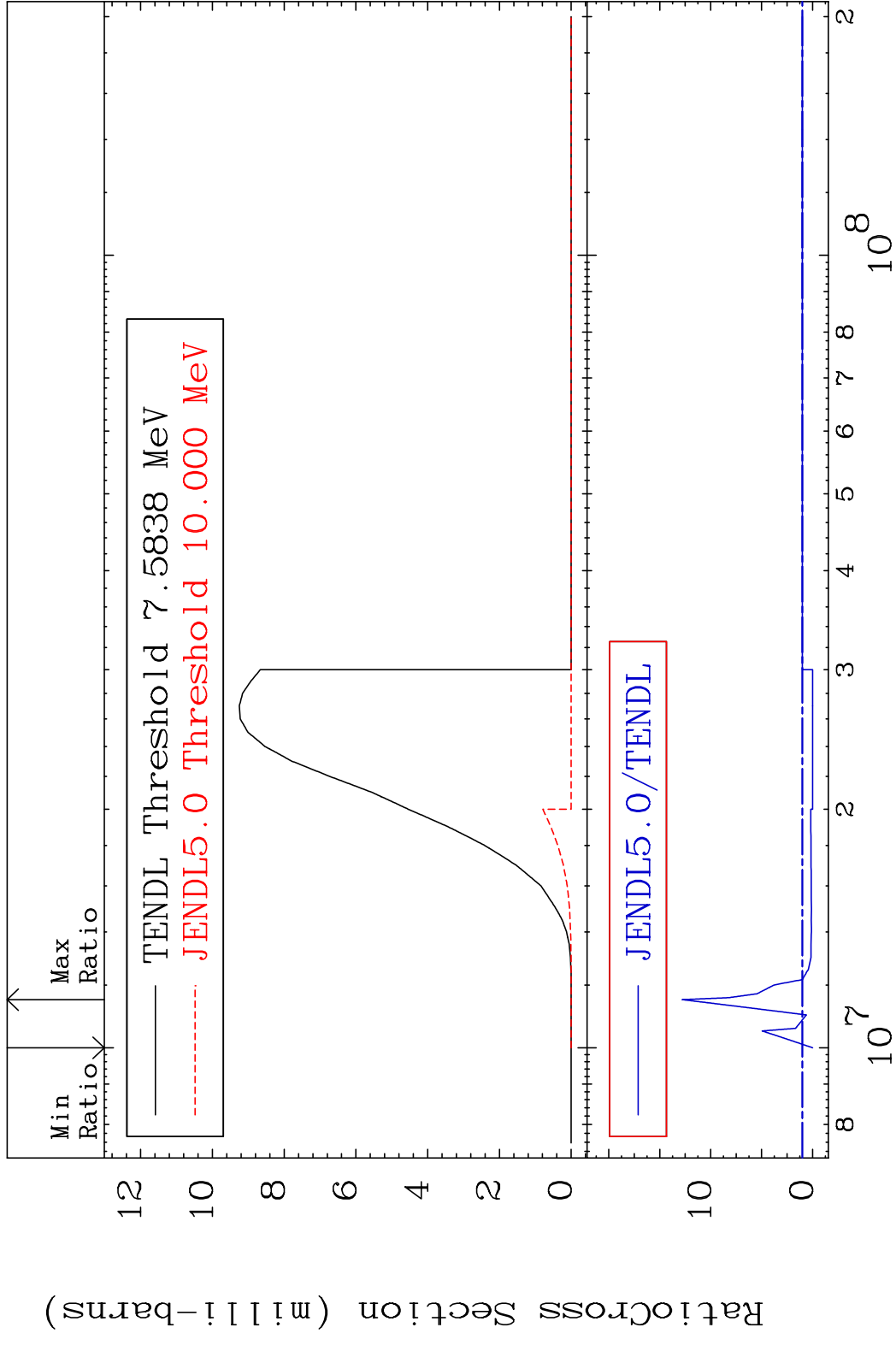
28 Incident Energy (eV) 44-Ru-101

MAT 4440 (n,d) 44-Ru-101
 Cross Section -100.0 To 3553. %

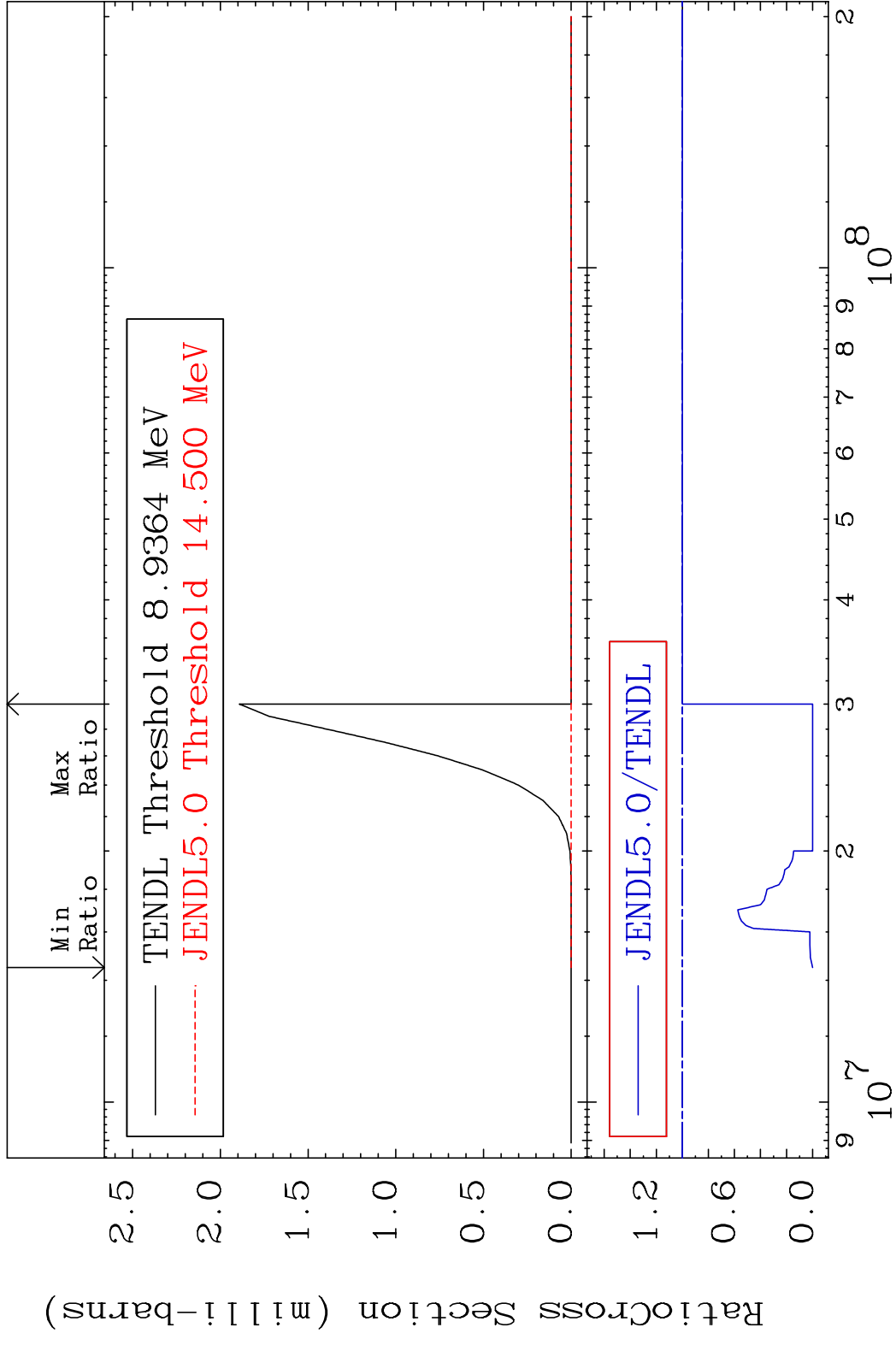


29 Incident Energy (eV) 44-Ru-101

MAT 4440 (n, t) 44-Ru-101
 Cross Section -100.0 To 1178. %



MAT 4440 (n, He-3) 44-Ru-101
 Cross Section -100.0 To 0.000 %

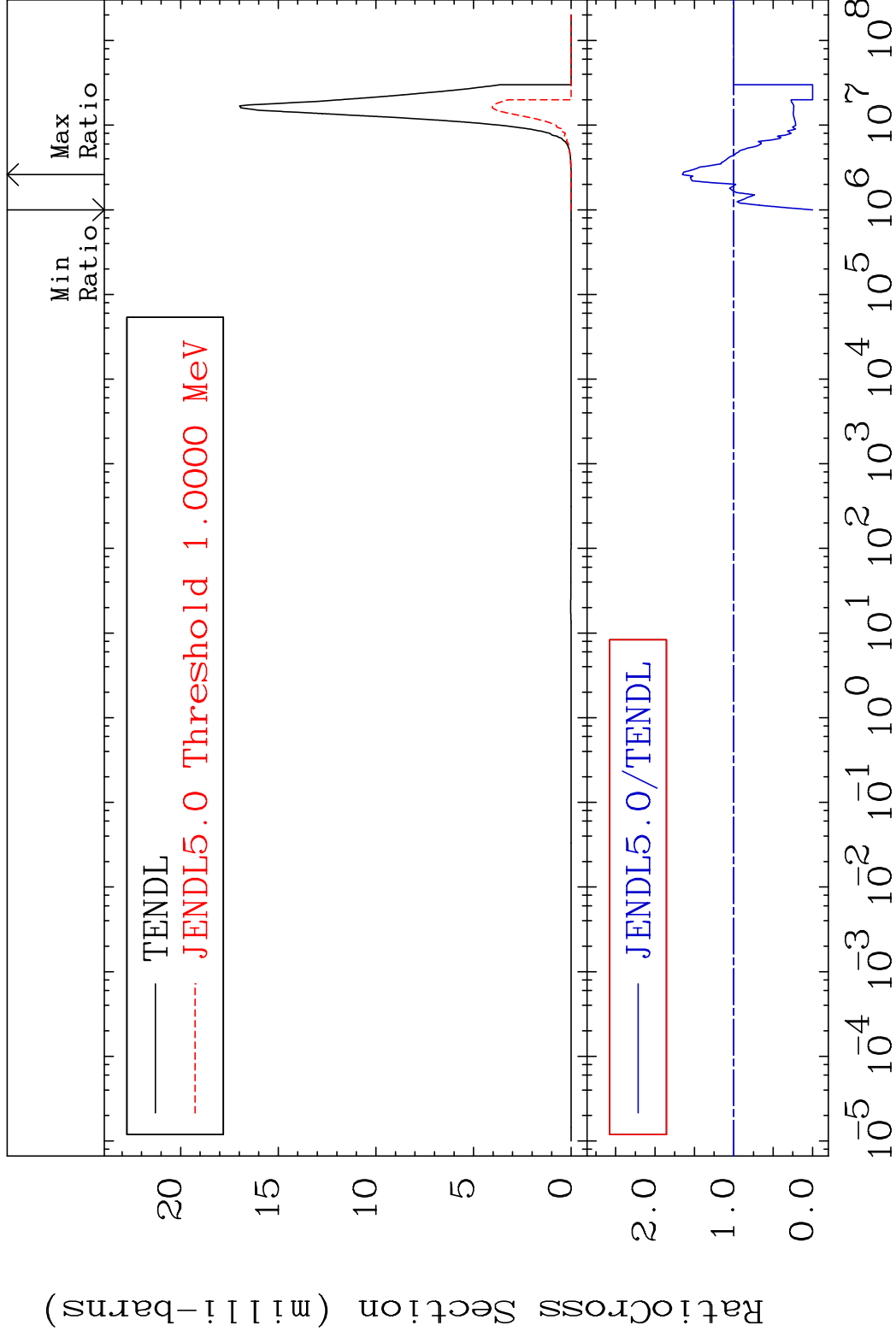


MAT 4440

(n, α)

44-Ru-101

Cross Section -100.0 To 65.29 %



32

Incident Energy (eV)

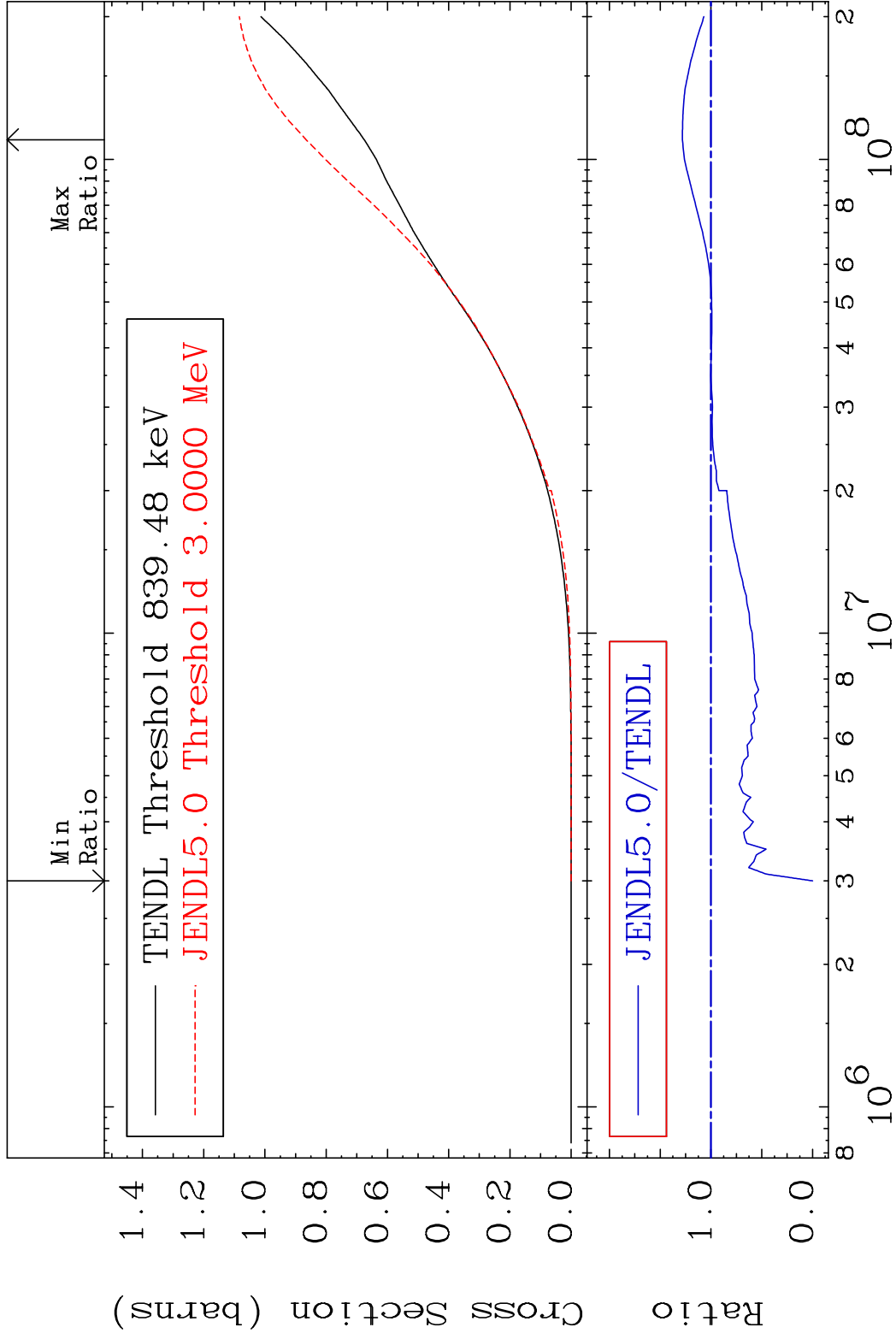
44-Ru-101

MAT 4440

Hydrogen Production

44-Ru-101

Cross Section -100.0 To 28.17 %

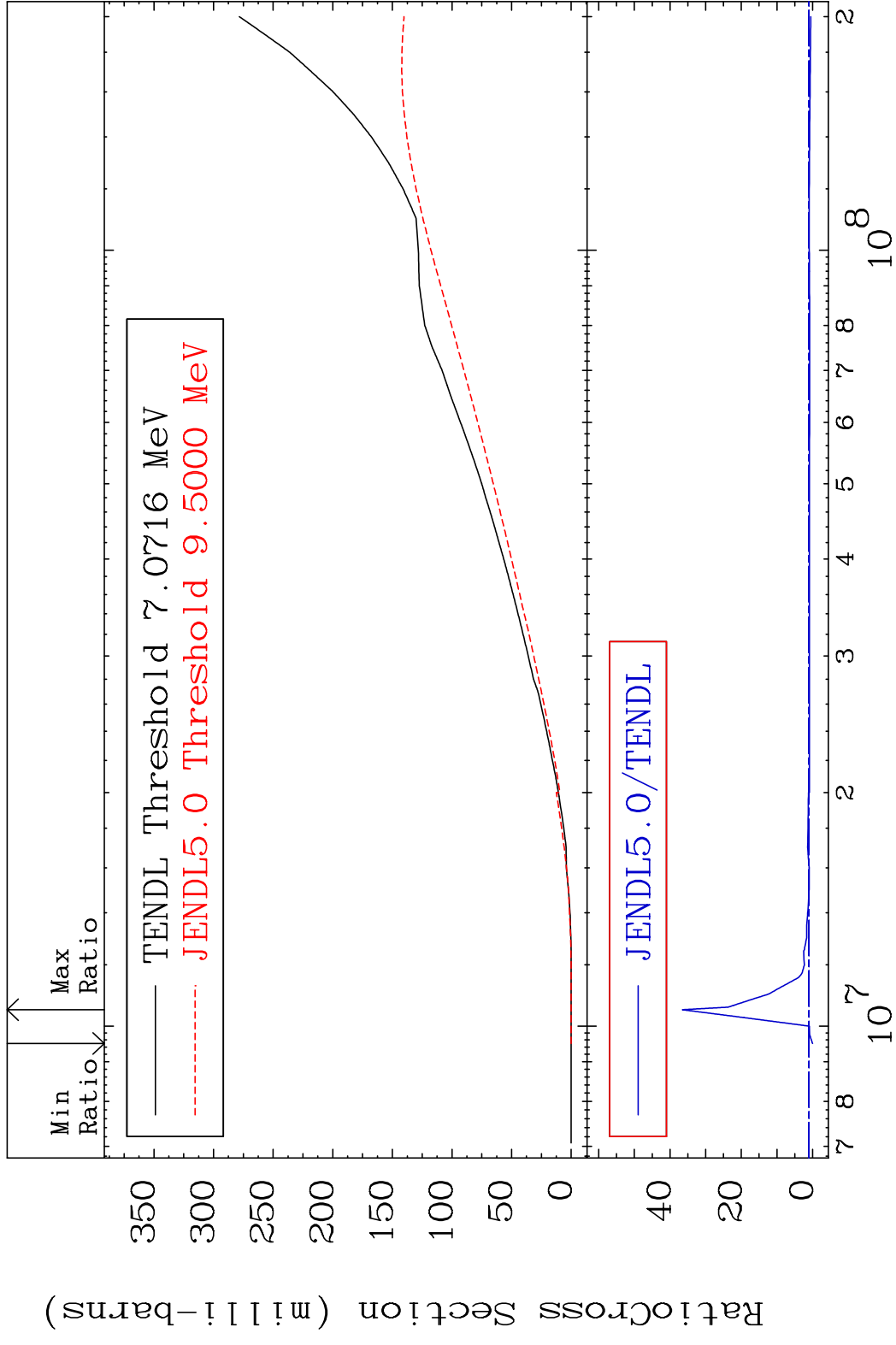


33

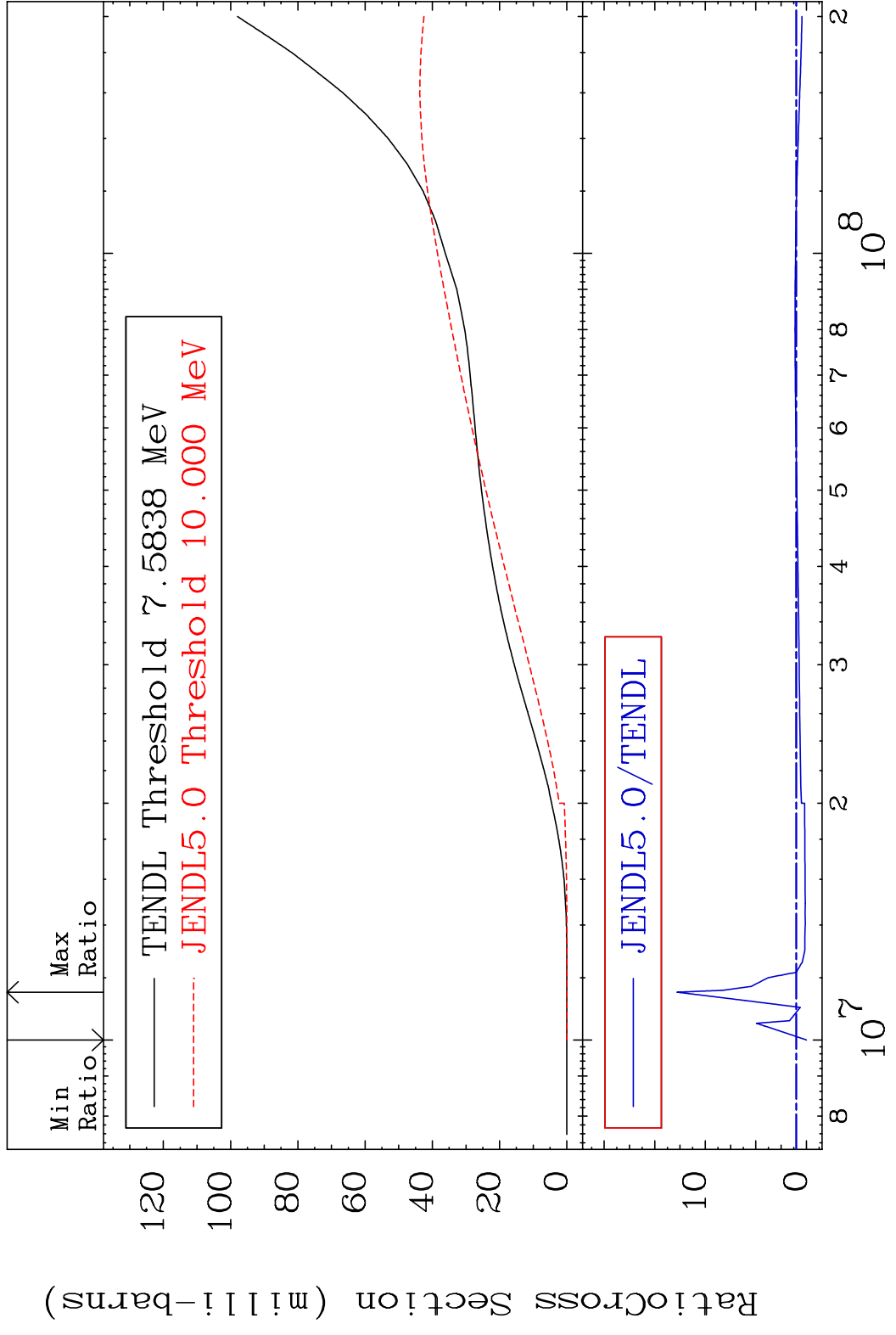
Incident Energy (eV)

44-Ru-101

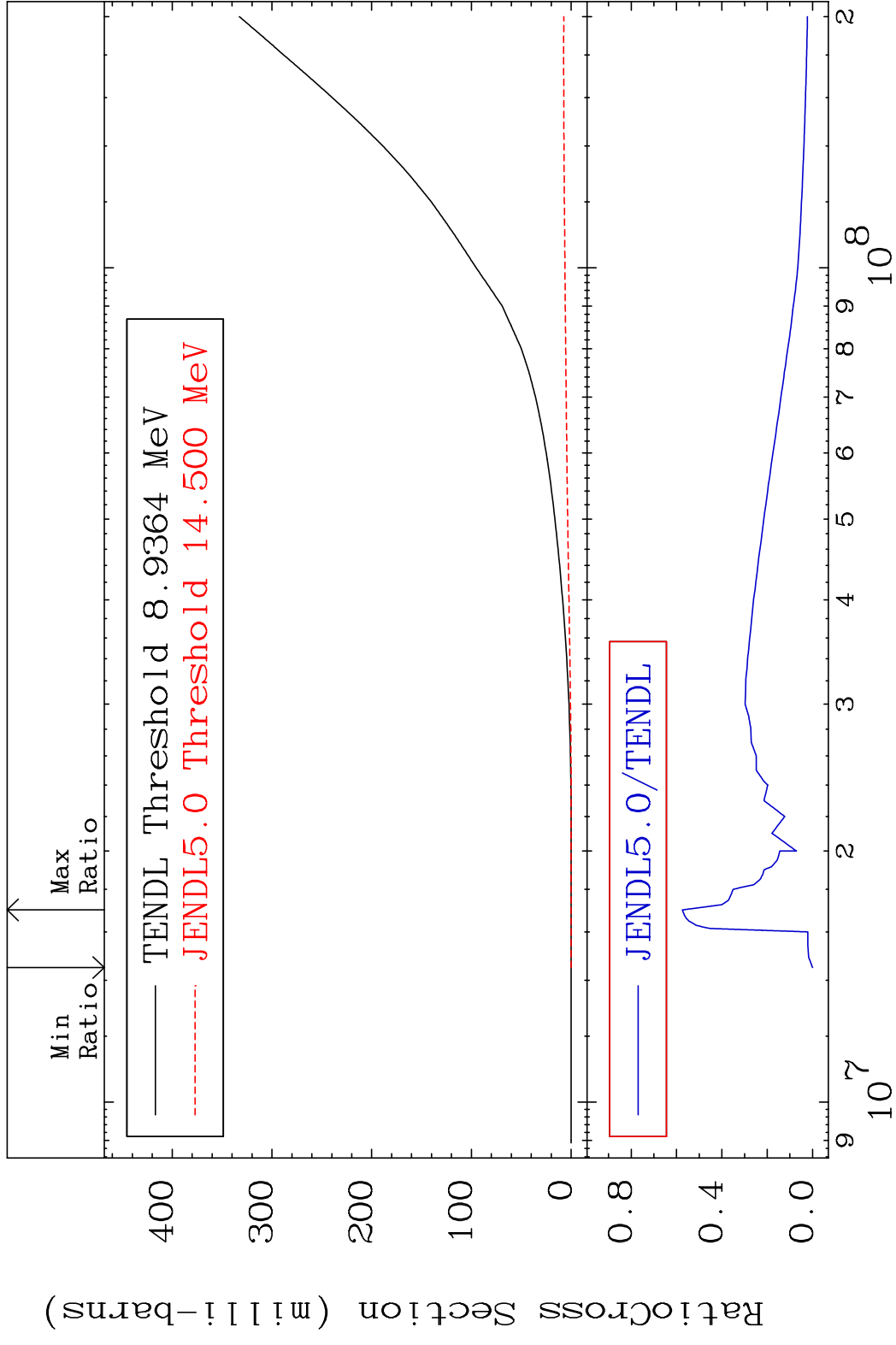
MAT 4440 Deuterium Production 44-Ru-101
 Cross Section -100.0 To 3553. %



MAT 4440 Tritium Production 44-Ru-101
 Cross Section -100.0 To 1178. %



MAT 4440 He-3 Production 44-Ru-101
 Cross Section -100.0 To -42.55%



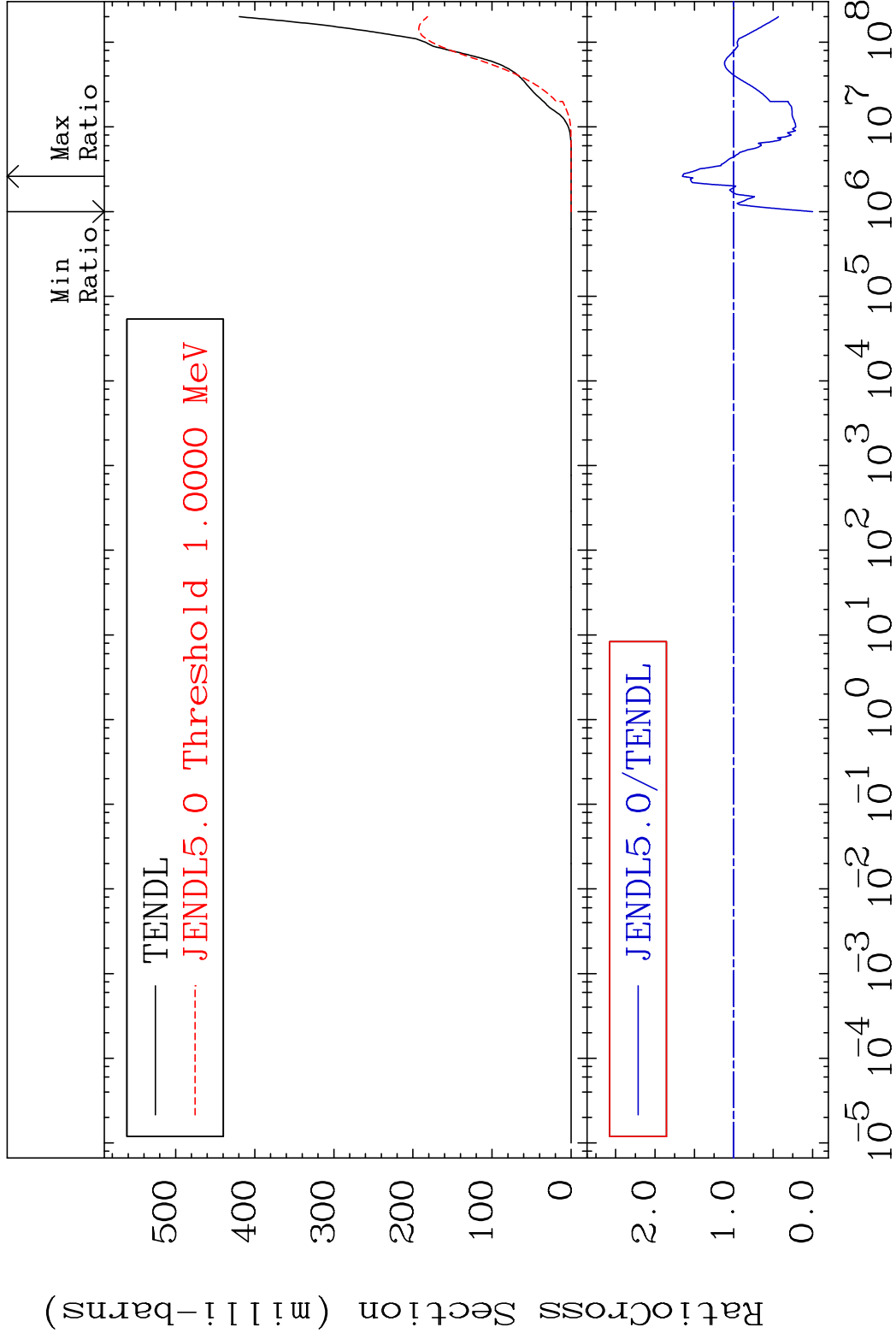
36 Incident Energy (eV) 44-Ru-101

MAT 4440

He-4 Production

44-Ru-101

Cross Section -100.0 To 65.29 %

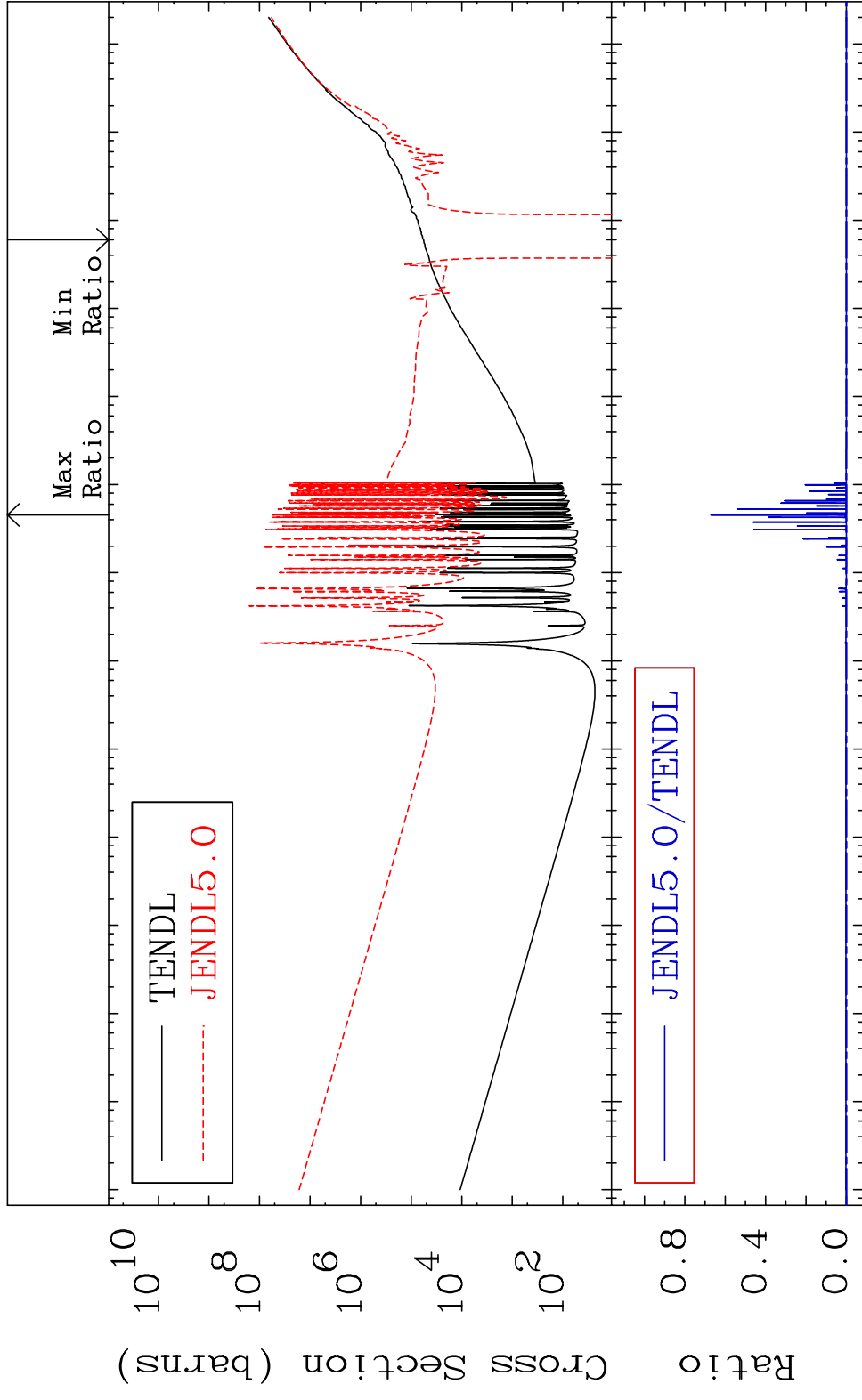


37

Incident Energy (eV)

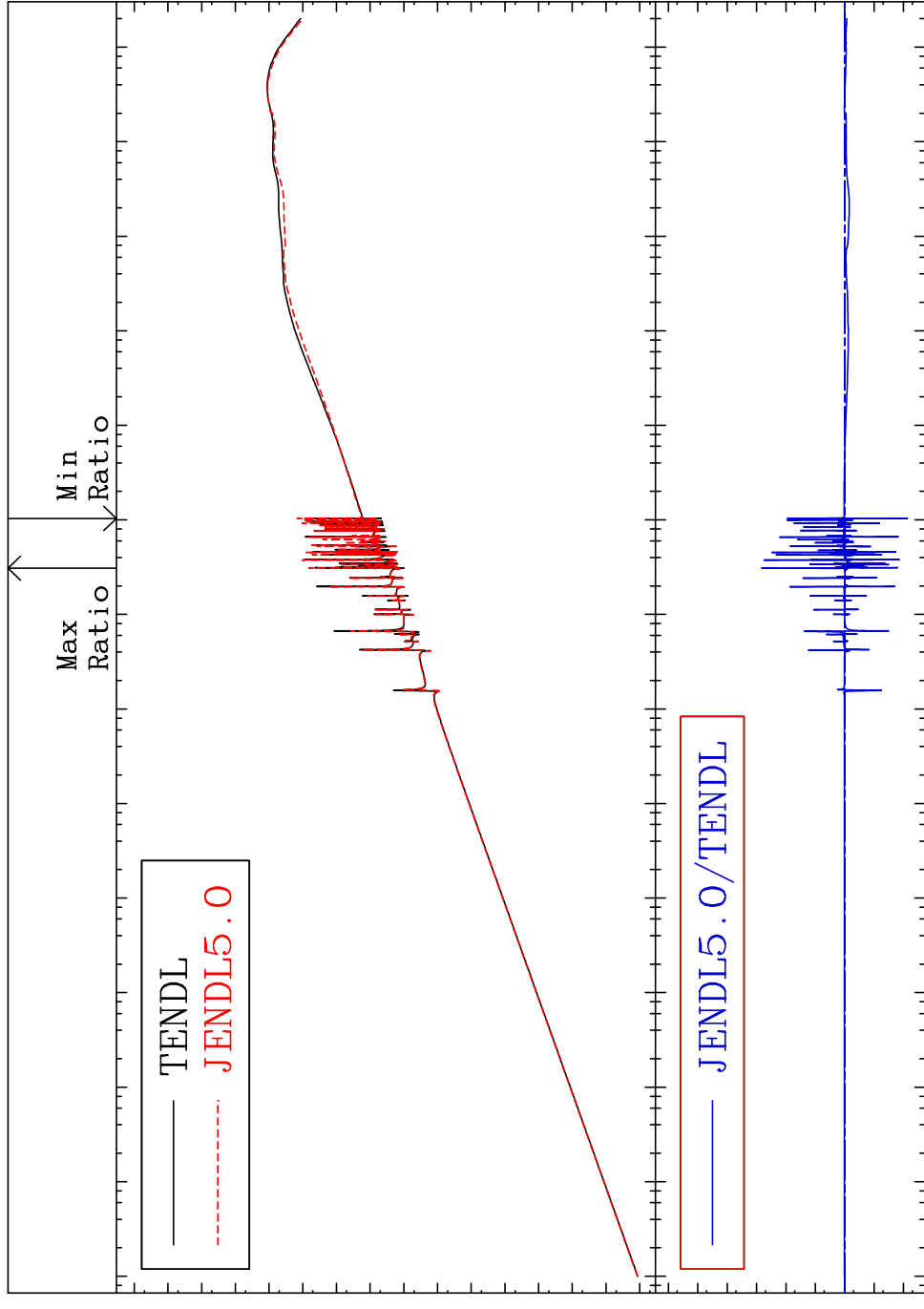
44-Ru-101

MAT 4440 Kerma total (eV-barns) 44-Ru-101
 Cross Section -201.1 To 9999. %

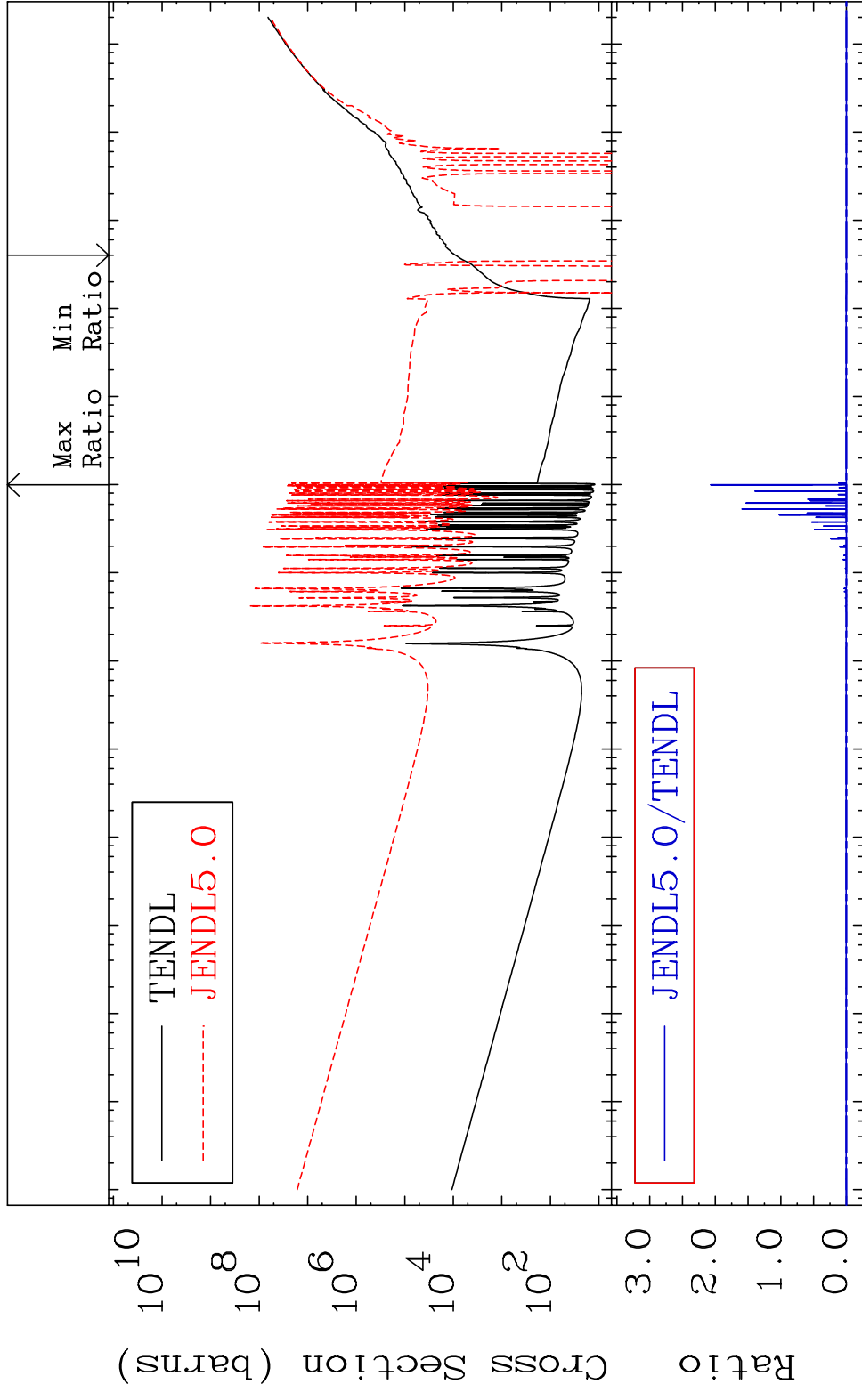


MAT 4440

Kerma elastic Cross Section -99.25 To 9999. %
44-Ru-101

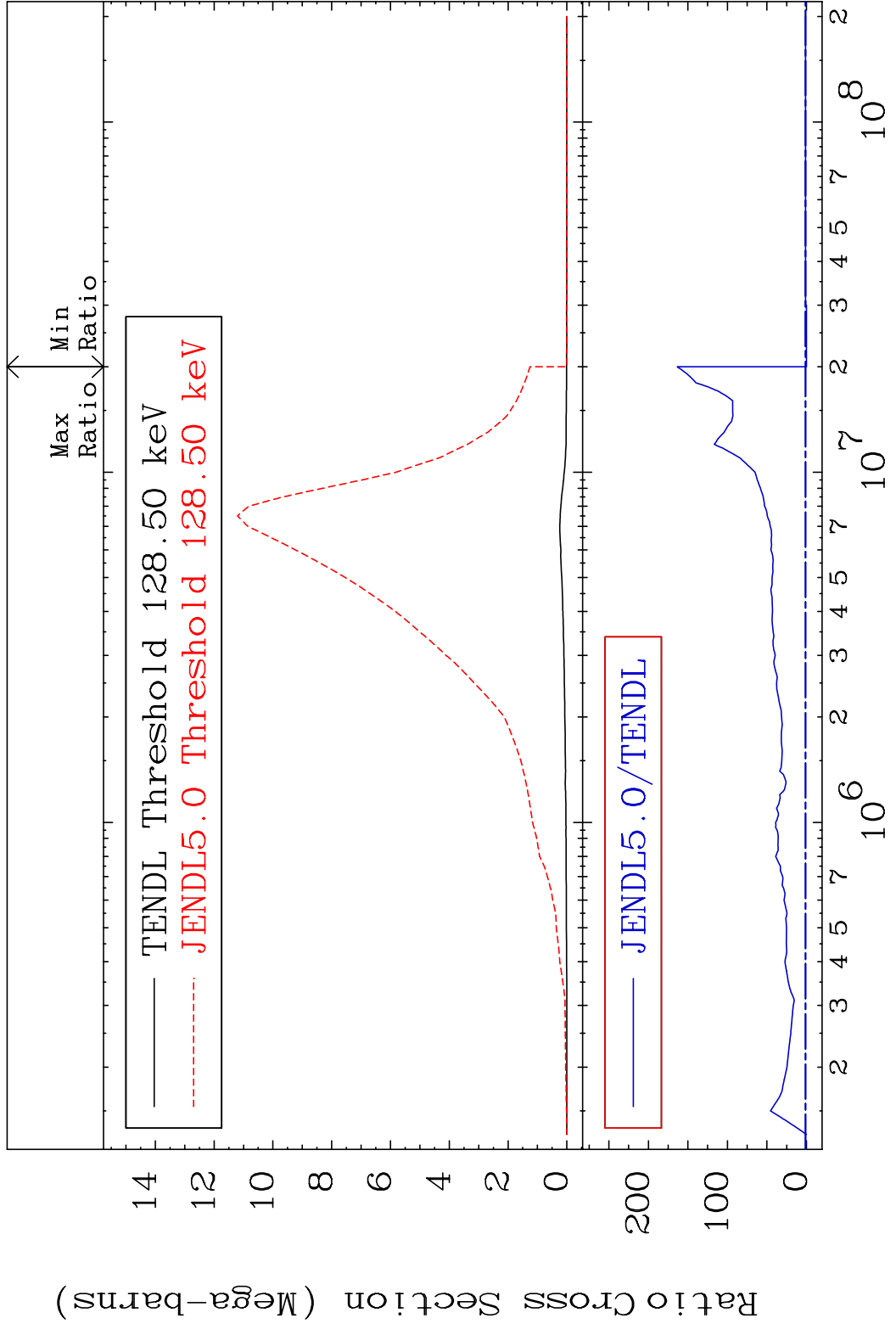


MAT 4440 Kerma non-elastic (all but mt2) 44-Ru-101
 Cross Section -836.2 To 9999. %

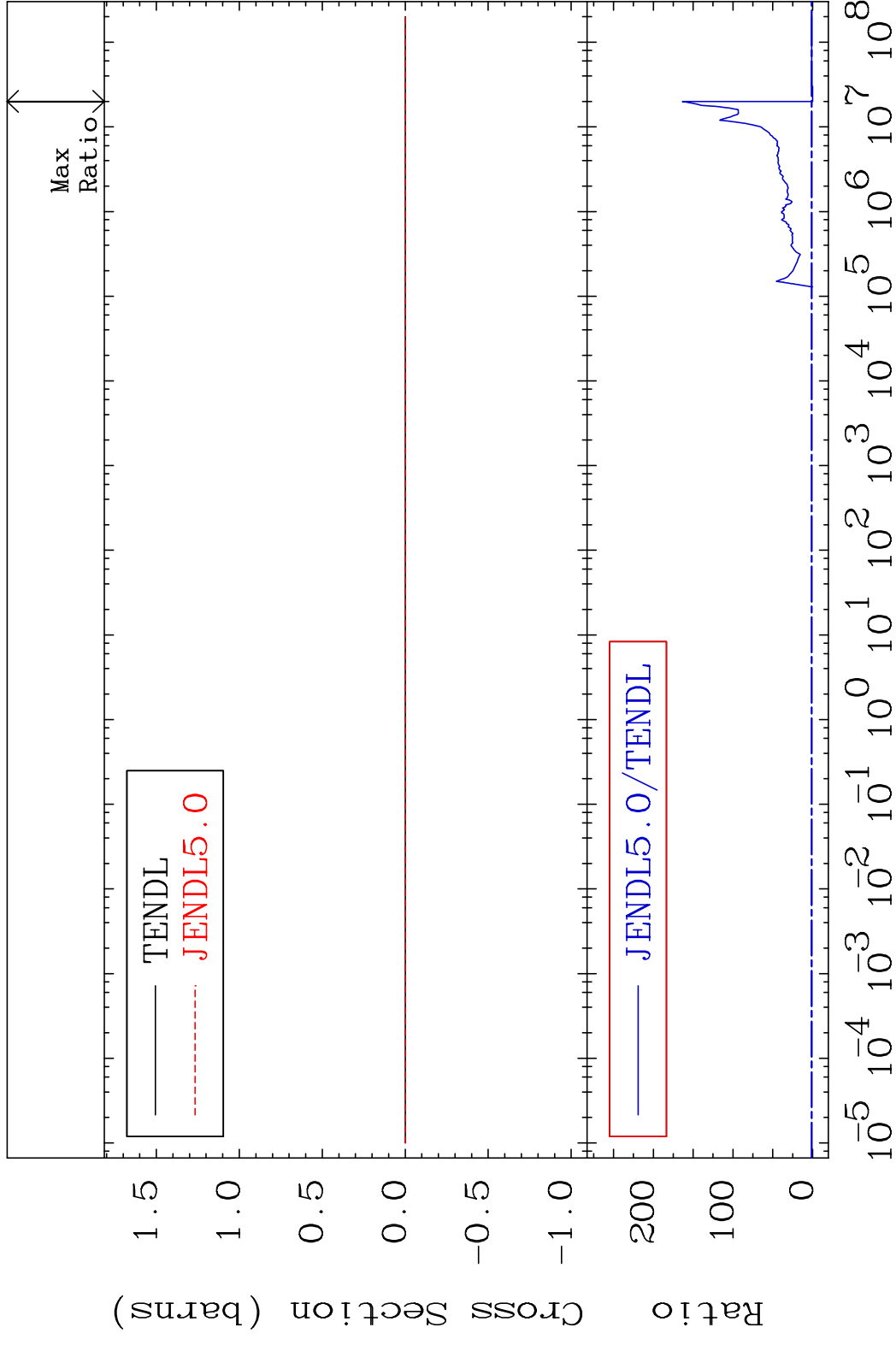


40 Incident Energy (eV) 44-Ru-101

MAT 4440 Kerma inelastic (mt51-91) 44-Ru-101
 Cross Section -100.0 To 9999. %

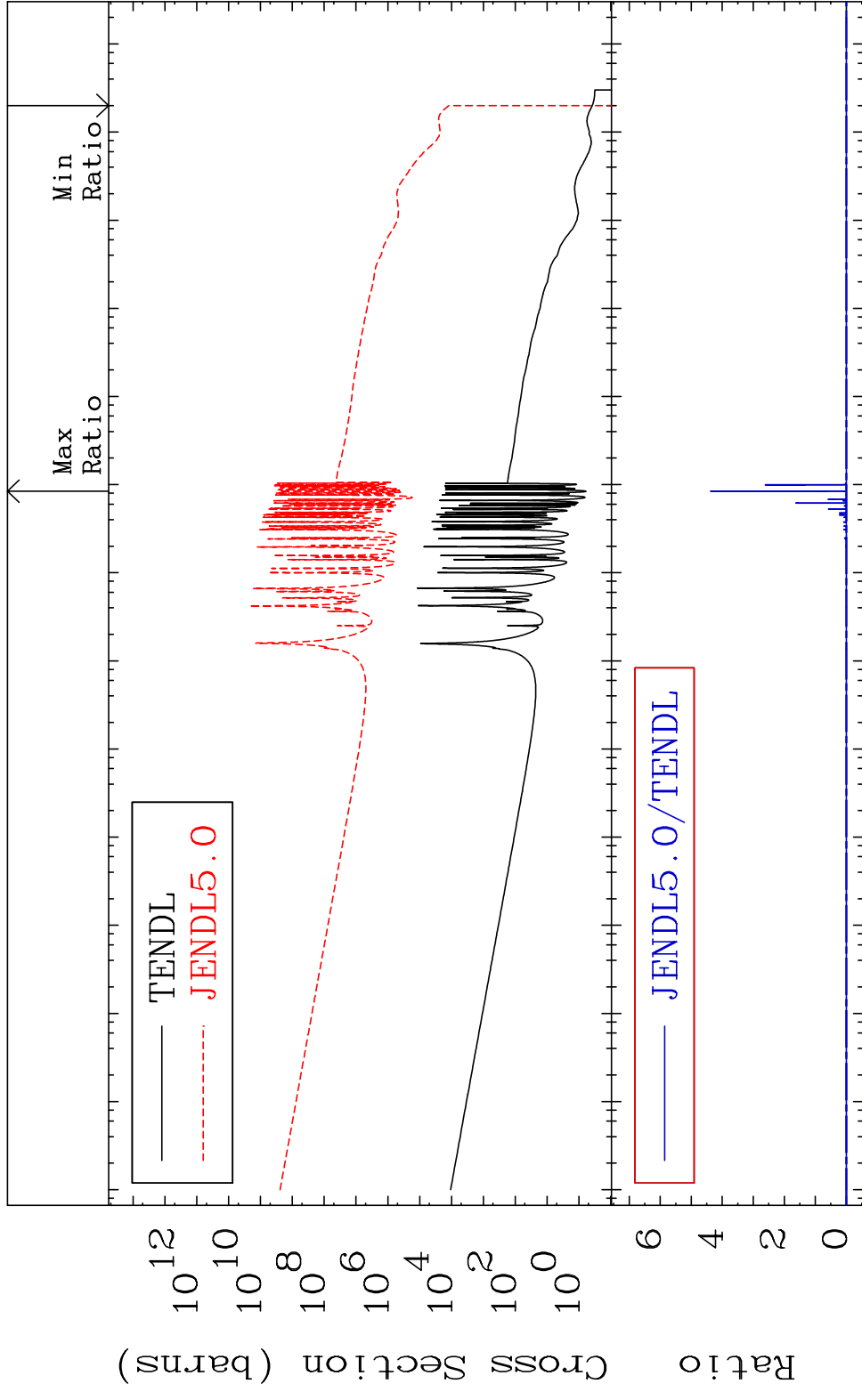


MAT 4440 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-101
 Cross Section -100.0 To 9999. %



MAT 4440

Kerma capture (mt102) 44-Ru-101
Cross Section -100.0 To 9999. %

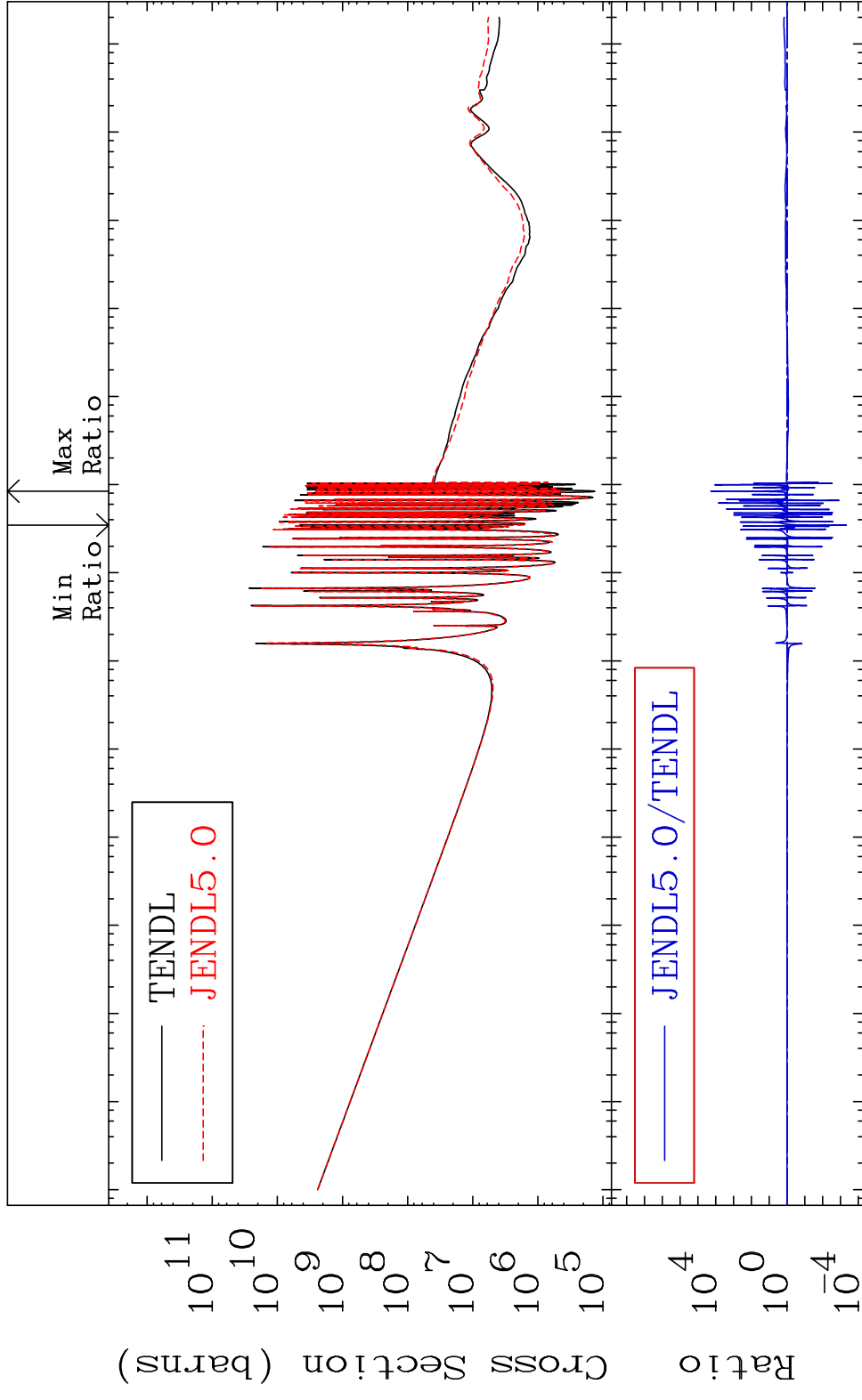


43

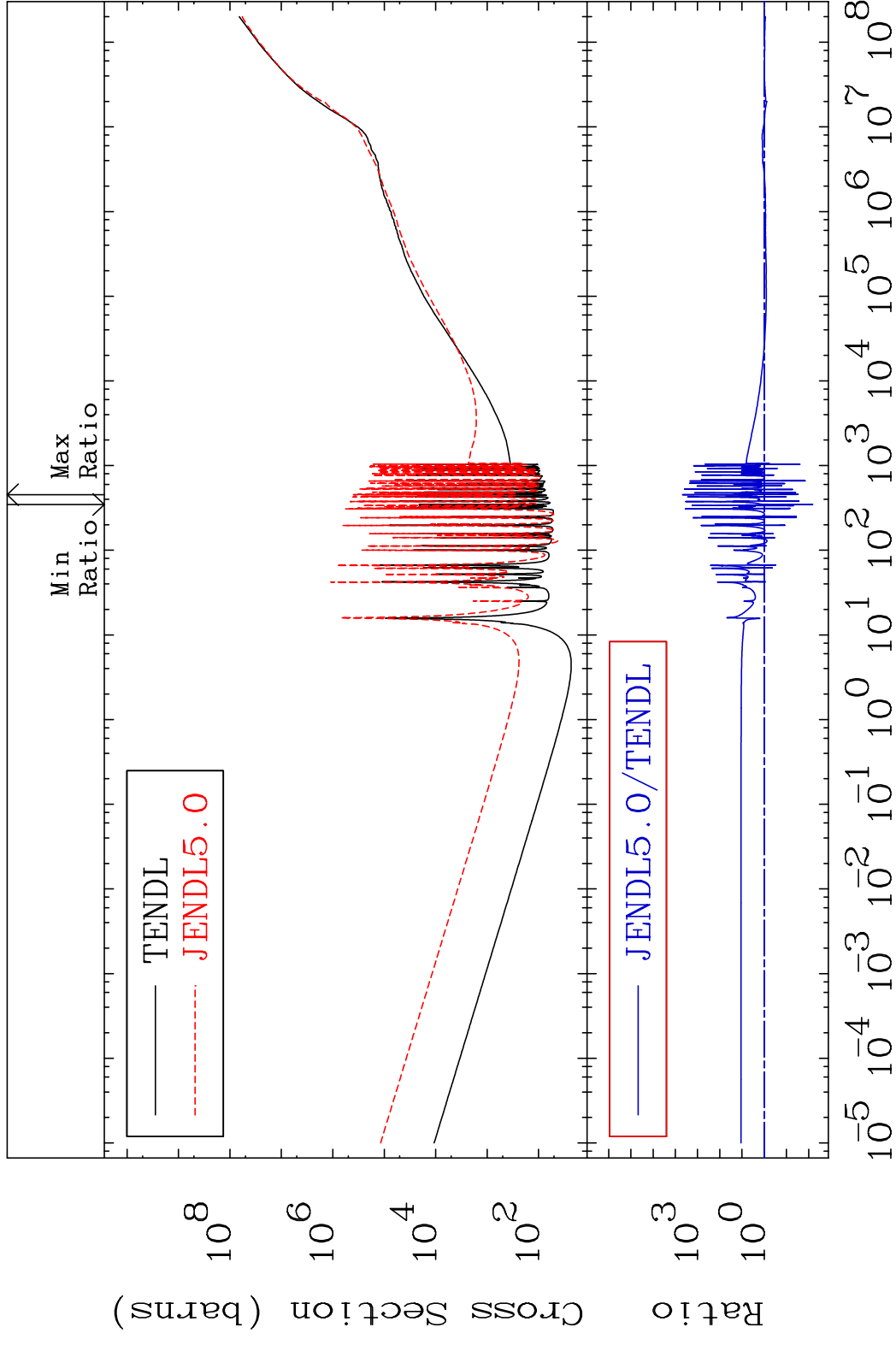
Incident Energy (eV)

44-Ru-101

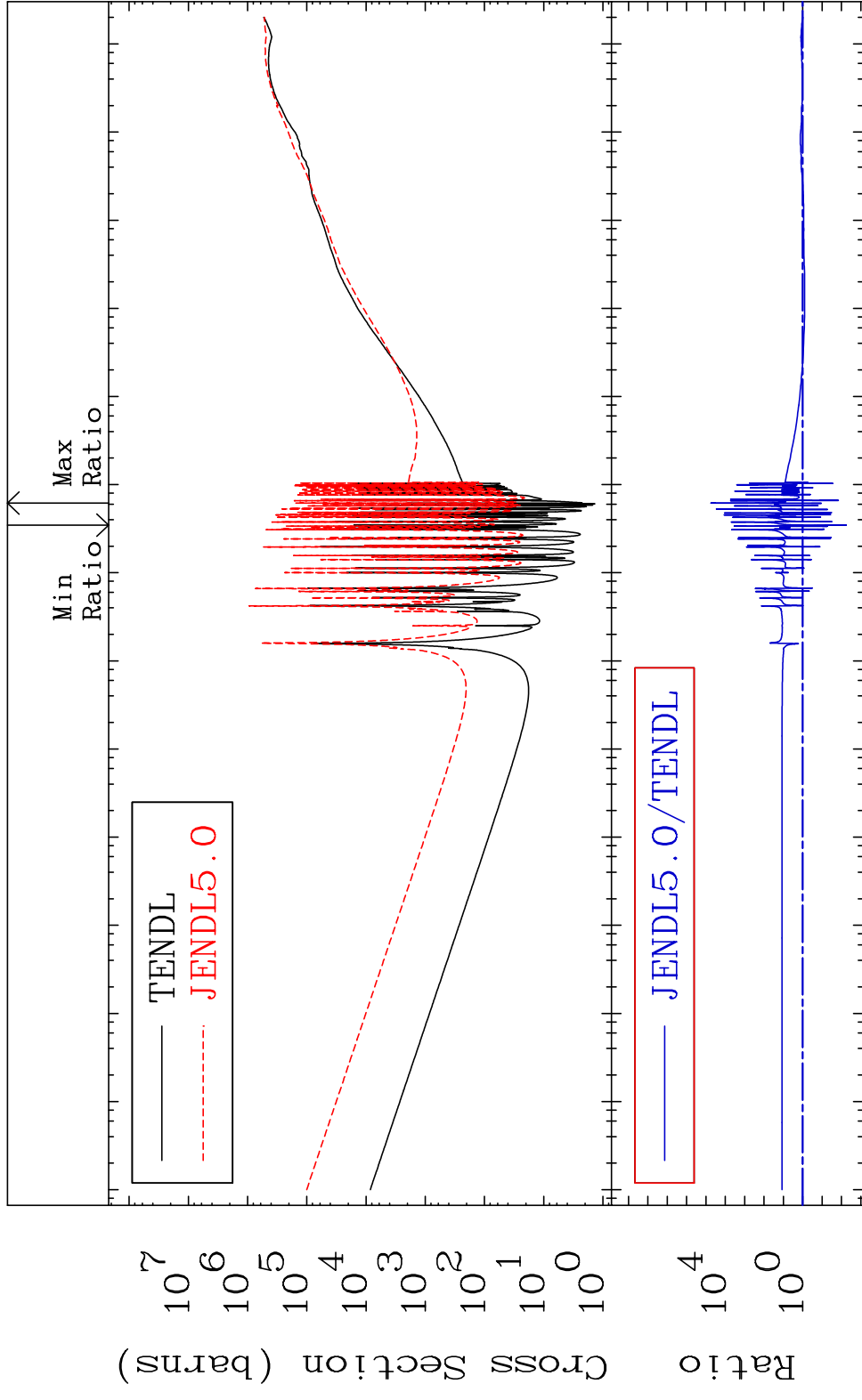
MAT 4440 Total photon (eV-barns) 44-Ru-101
 Cross Section -99.95 To 9999. %



MAT 4440 Total kinematic kerma (high limit) 44-Ru-101
 Cross Section -99.34 To 9999. %



MAT 4440 Dpa total (eV-barns) 44-Ru-101
 Cross Section -99.44 To 9999. %

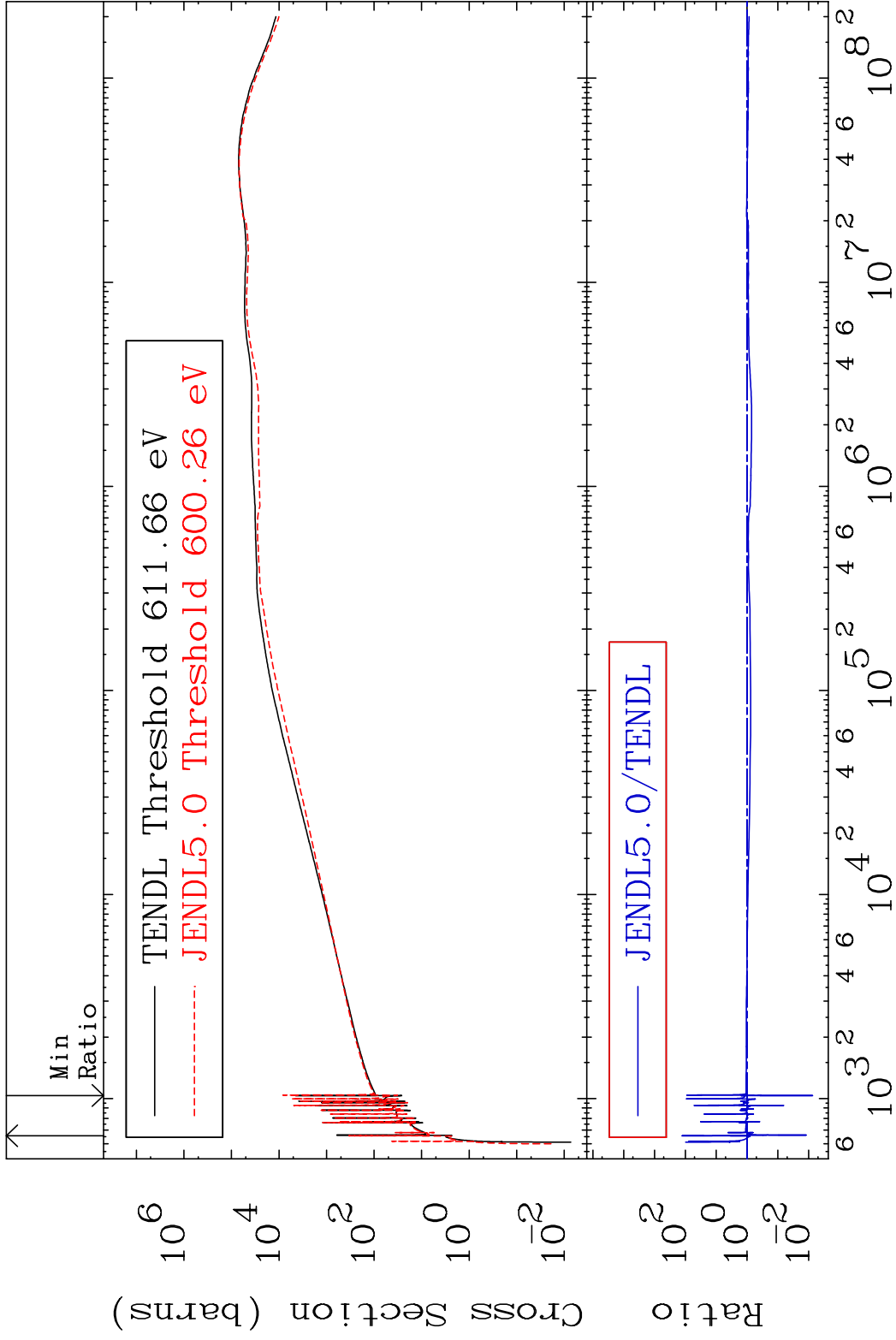


MAT 4440

Dpa elastic (mt2)

44-Ru-101

Cross Section -99.25 To 9999. %

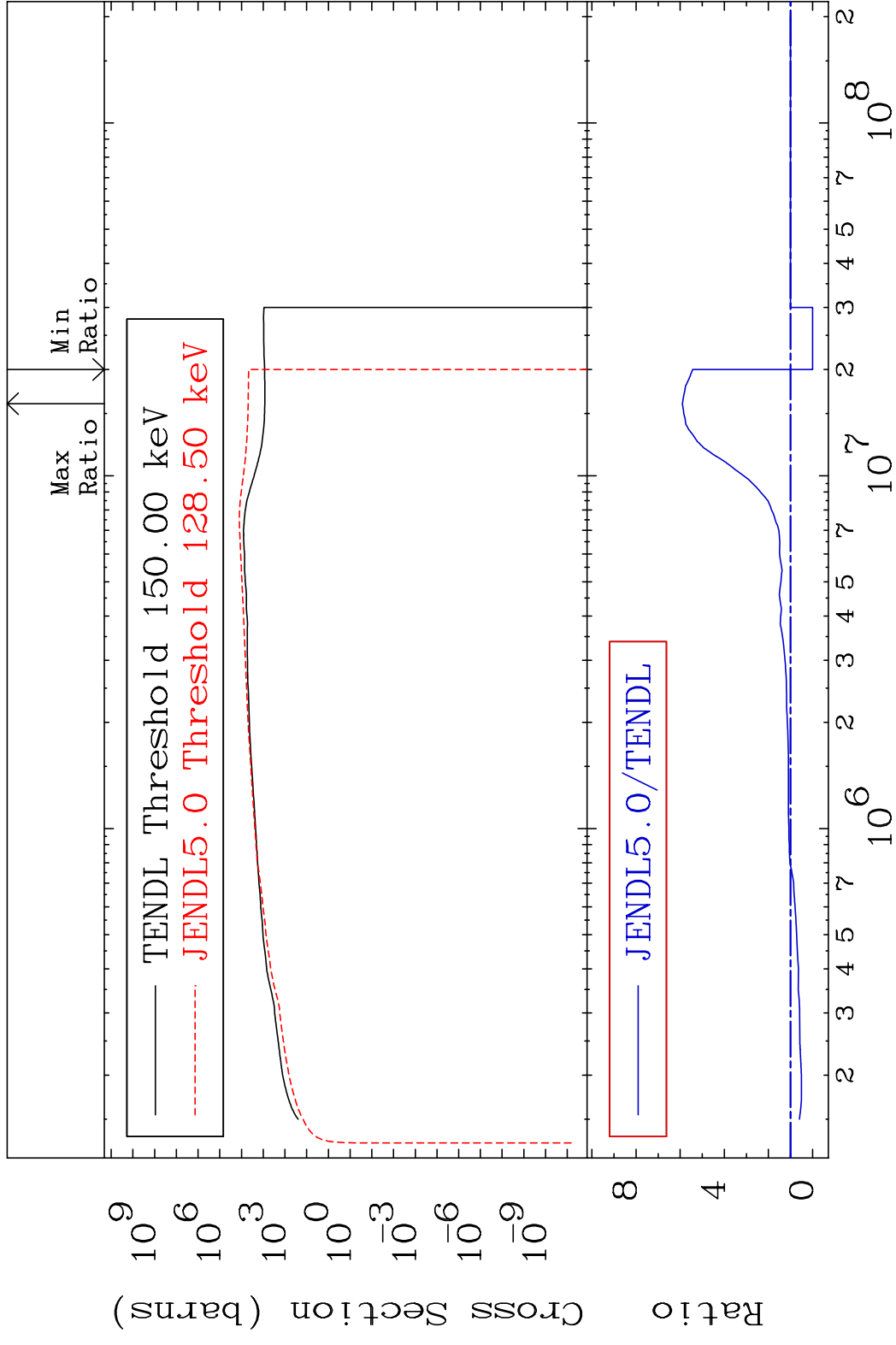


47

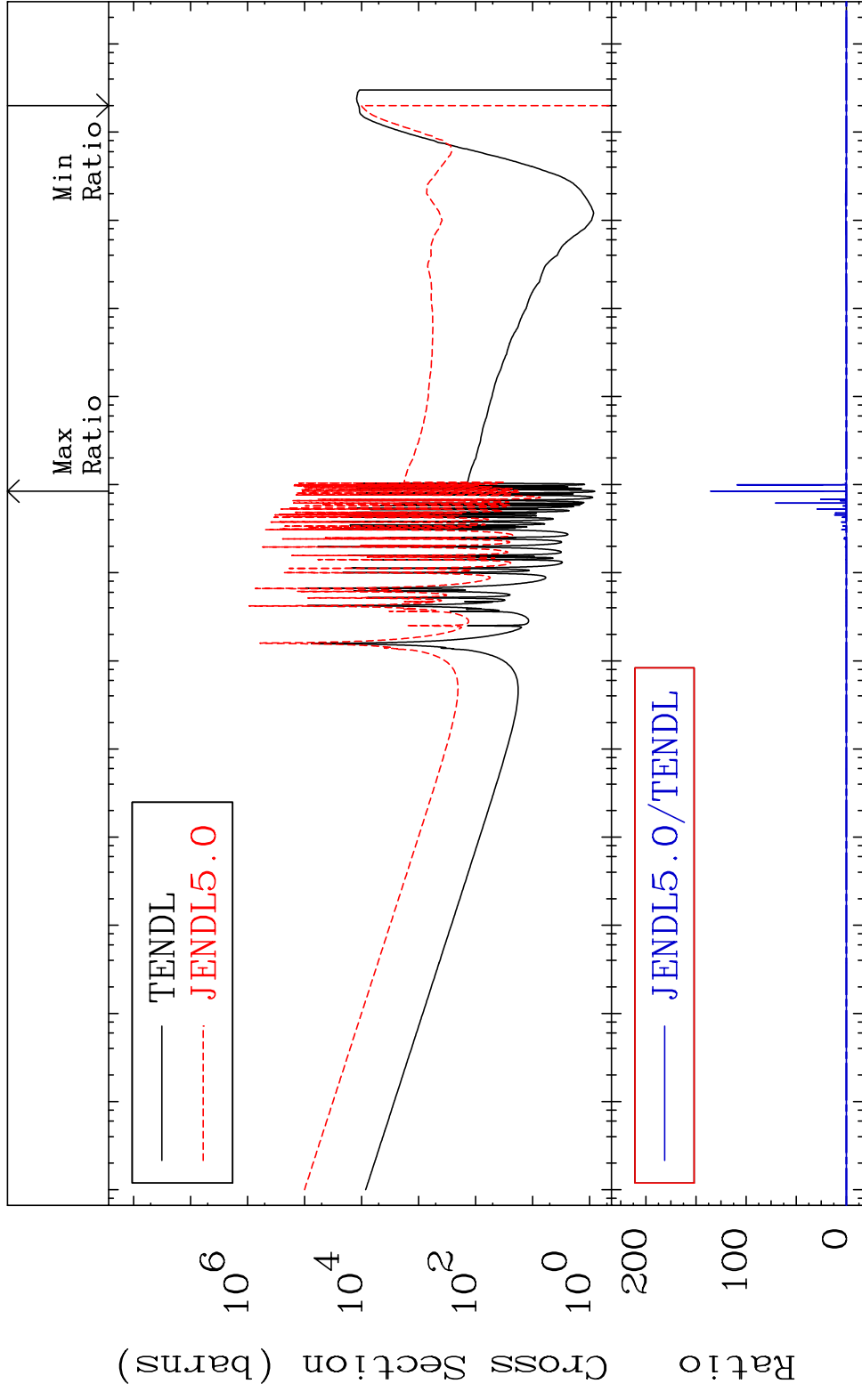
Incident Energy (eV)

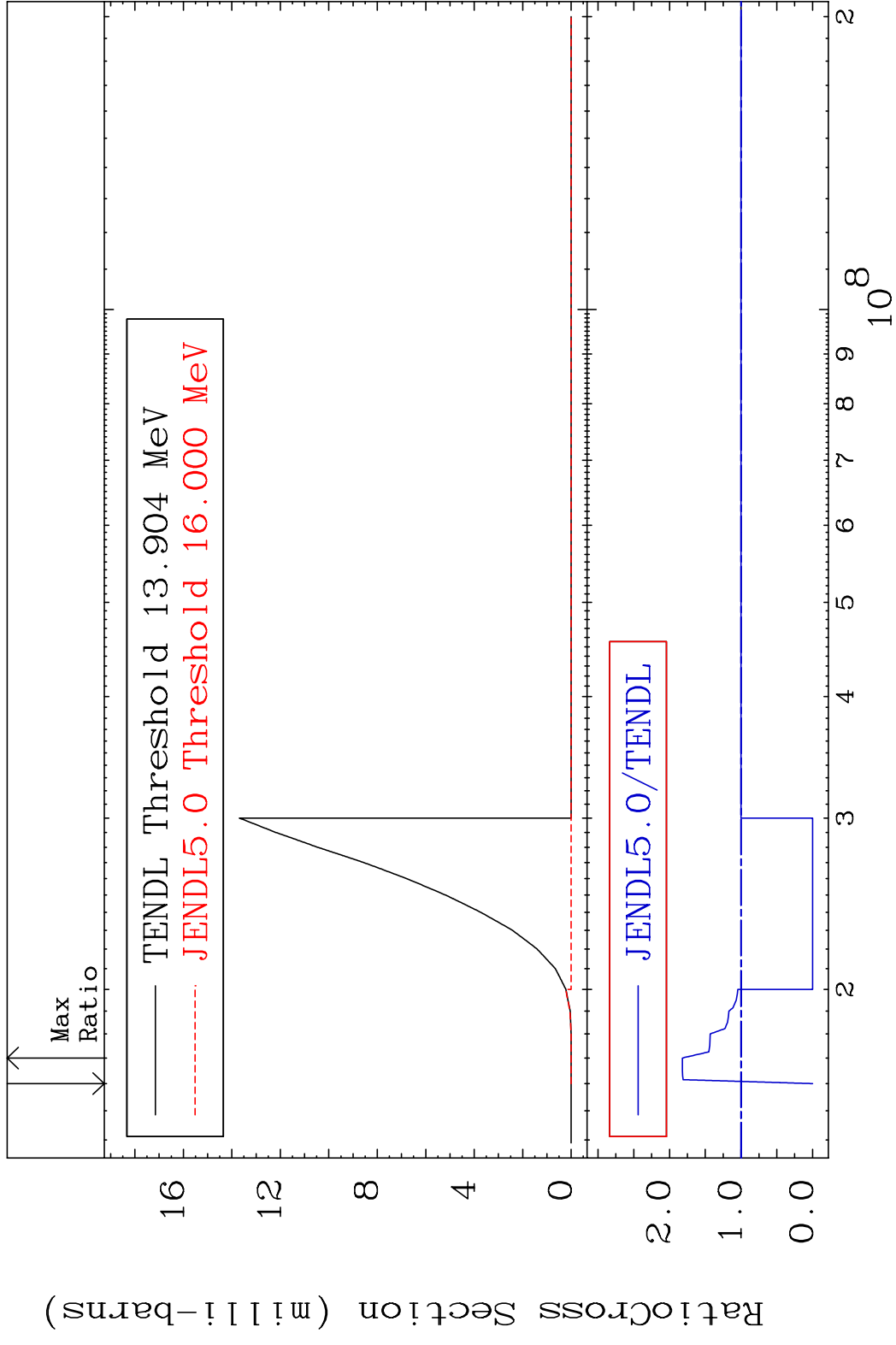
44-Ru-101

MAT 4440 Dpa inelastic (mt51-91) 44-Ru-101
 Cross Section -100.0 To 490.1 %

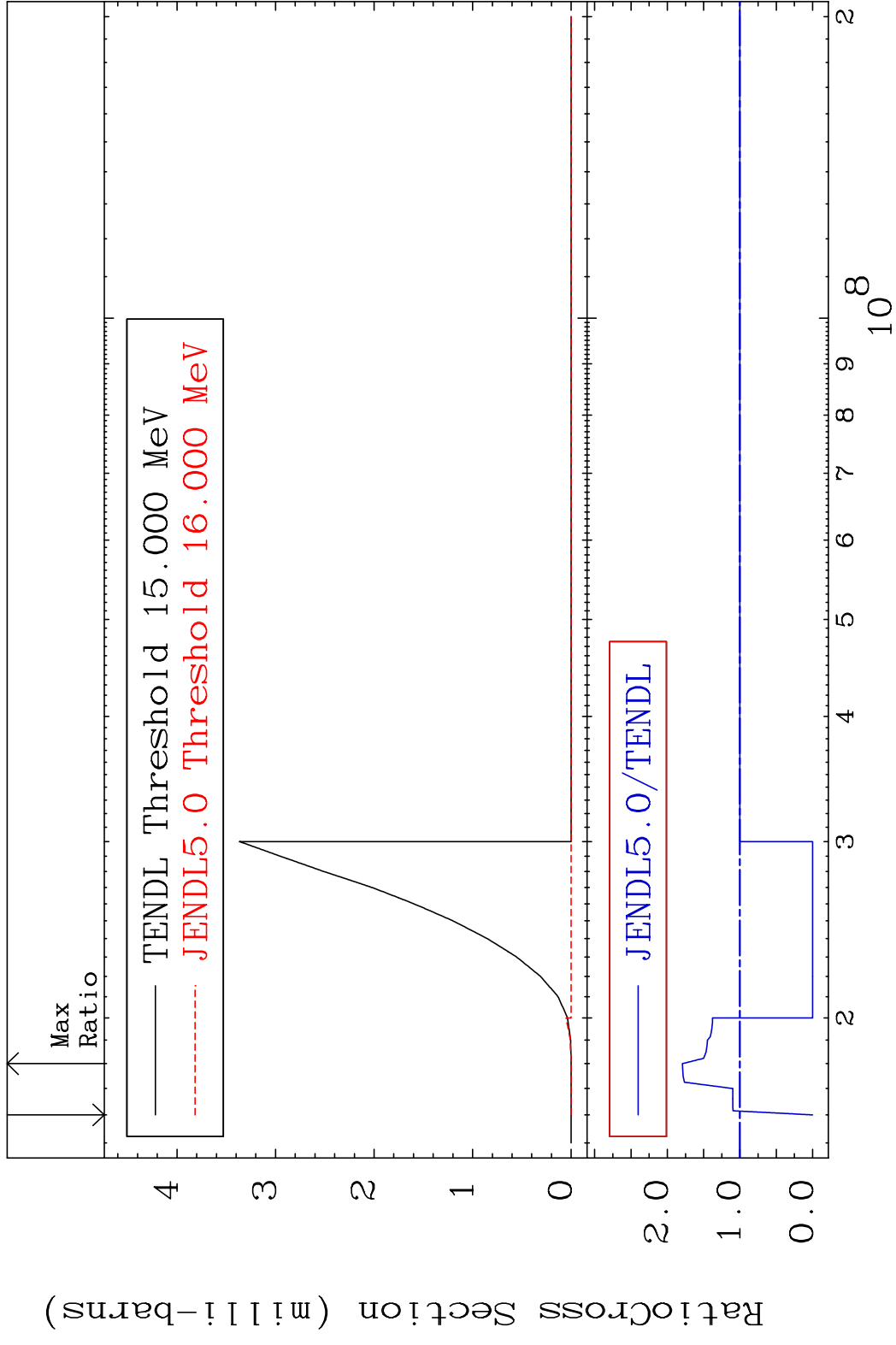


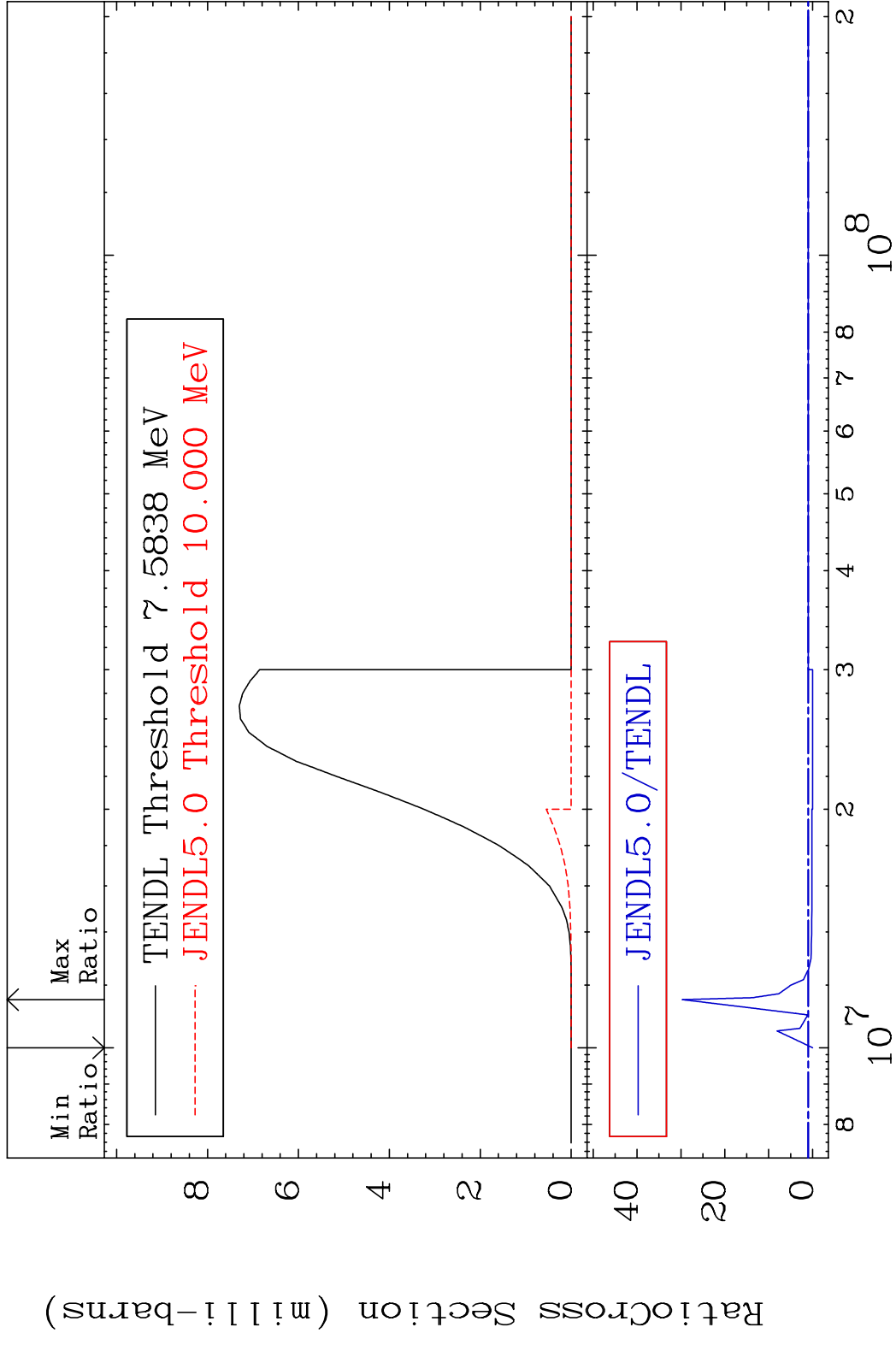
MAT 4440 Dpa disappearance (mt102 -120) 44-Ru-101
 Cross Section -100.0 To 9999. %



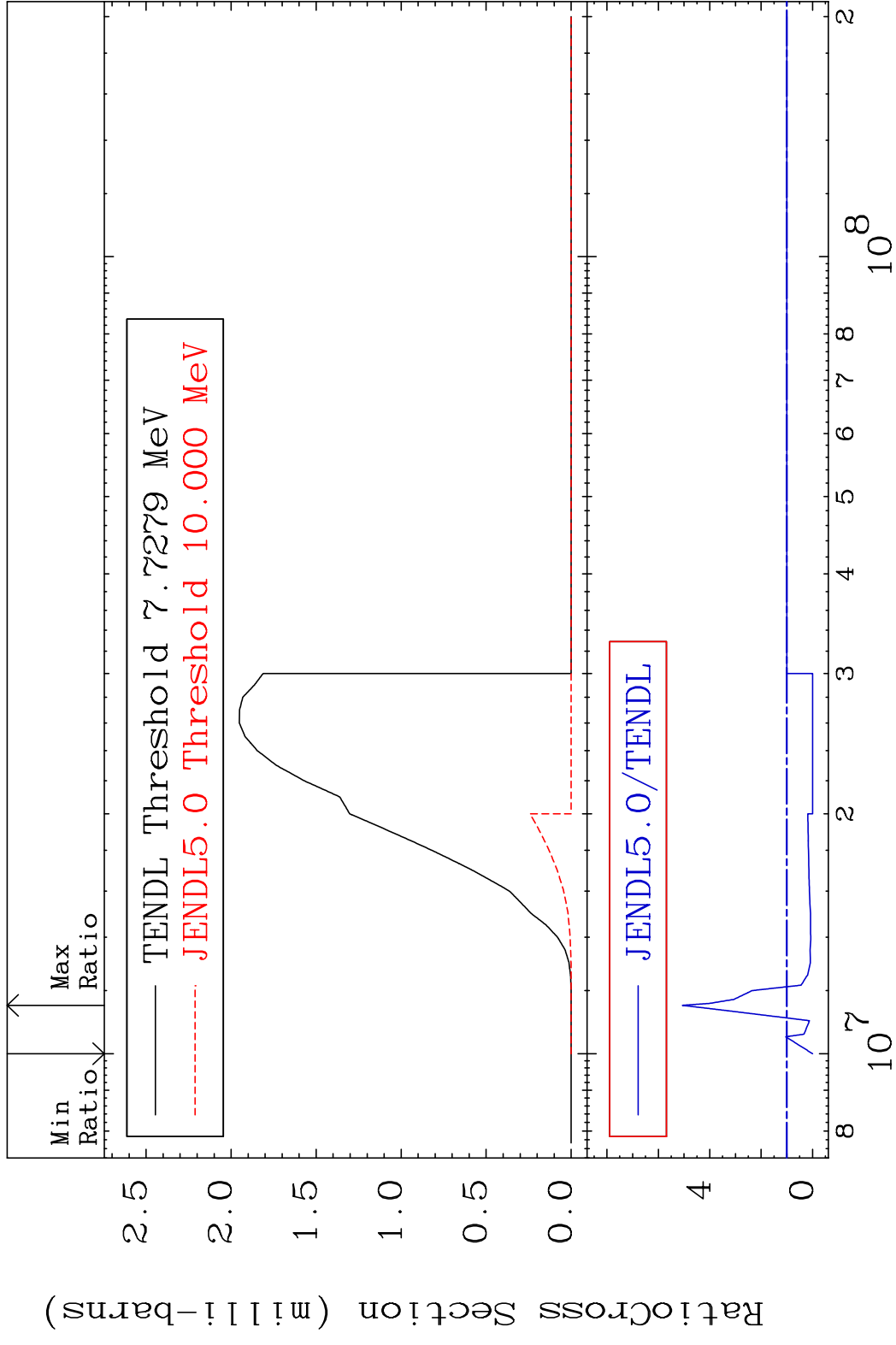


MAT 4440 (n, n') d:43-Tc-99m2 44-Ru-101
 Radionuclide Production Cross Section 180.01 dth 79.30 %





MAT 4440 (n, t): 43-Tc-99m2 44-Ru-101
 Radionuclide Production Cross Section 180.0 dth 406.5 %

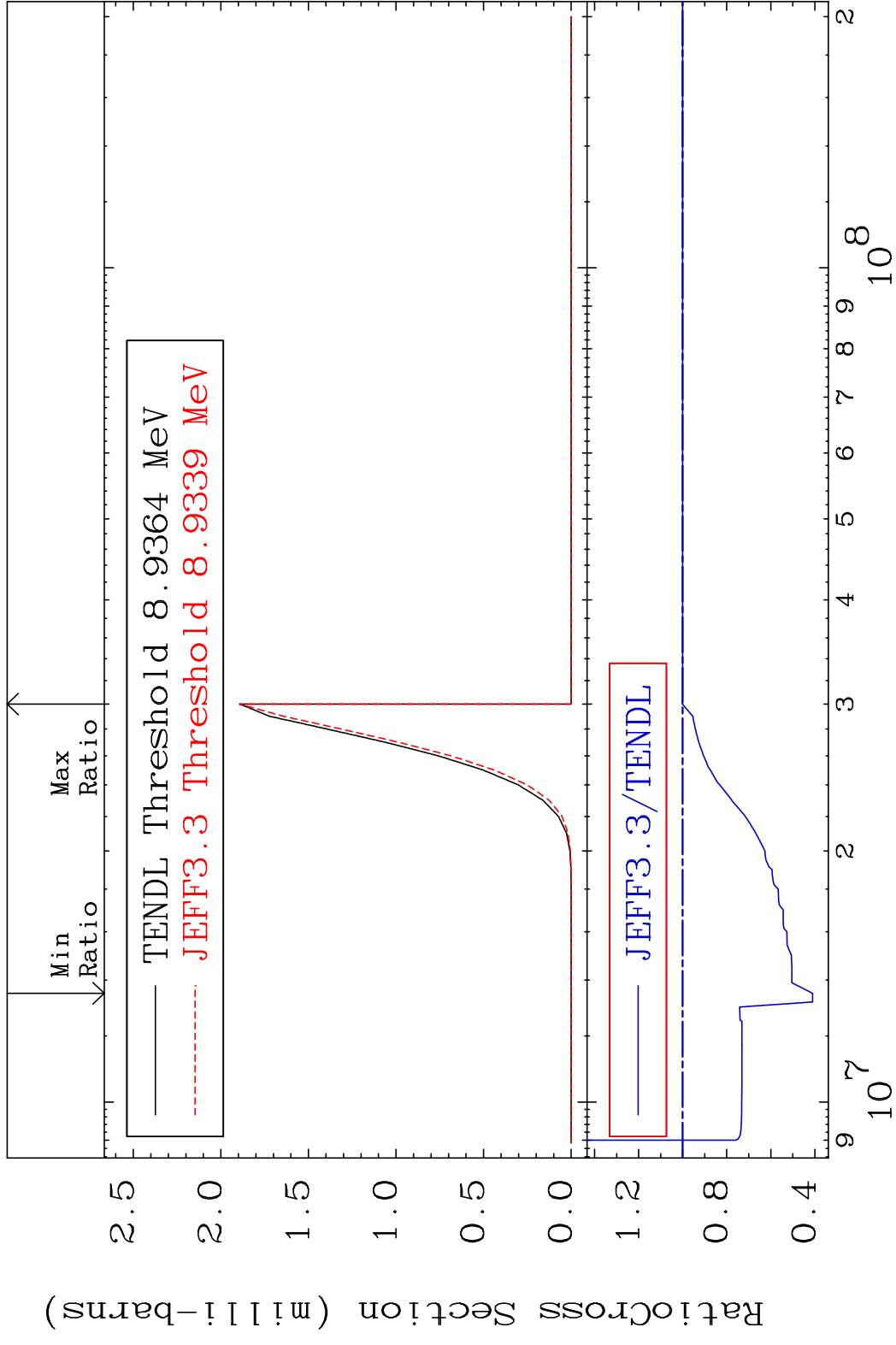


MAT 4440

(n, He-3)

44-Ru-101

Cross Section -58.97 To 0.153 %

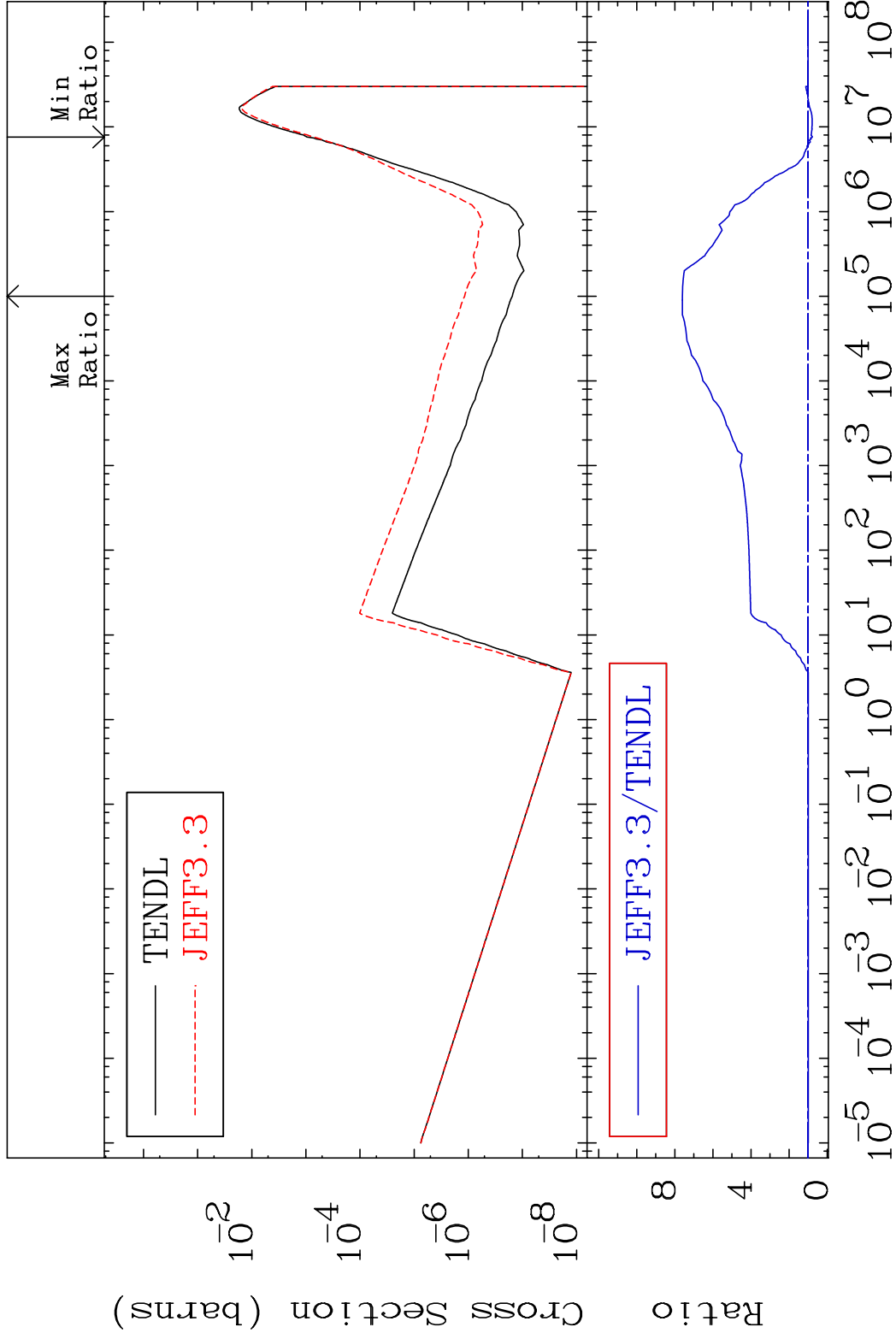


MAT 4440

(n, α)

44-Ru-101

Cross Section -23.15 To 660.4 %



55

Incident Energy (eV)

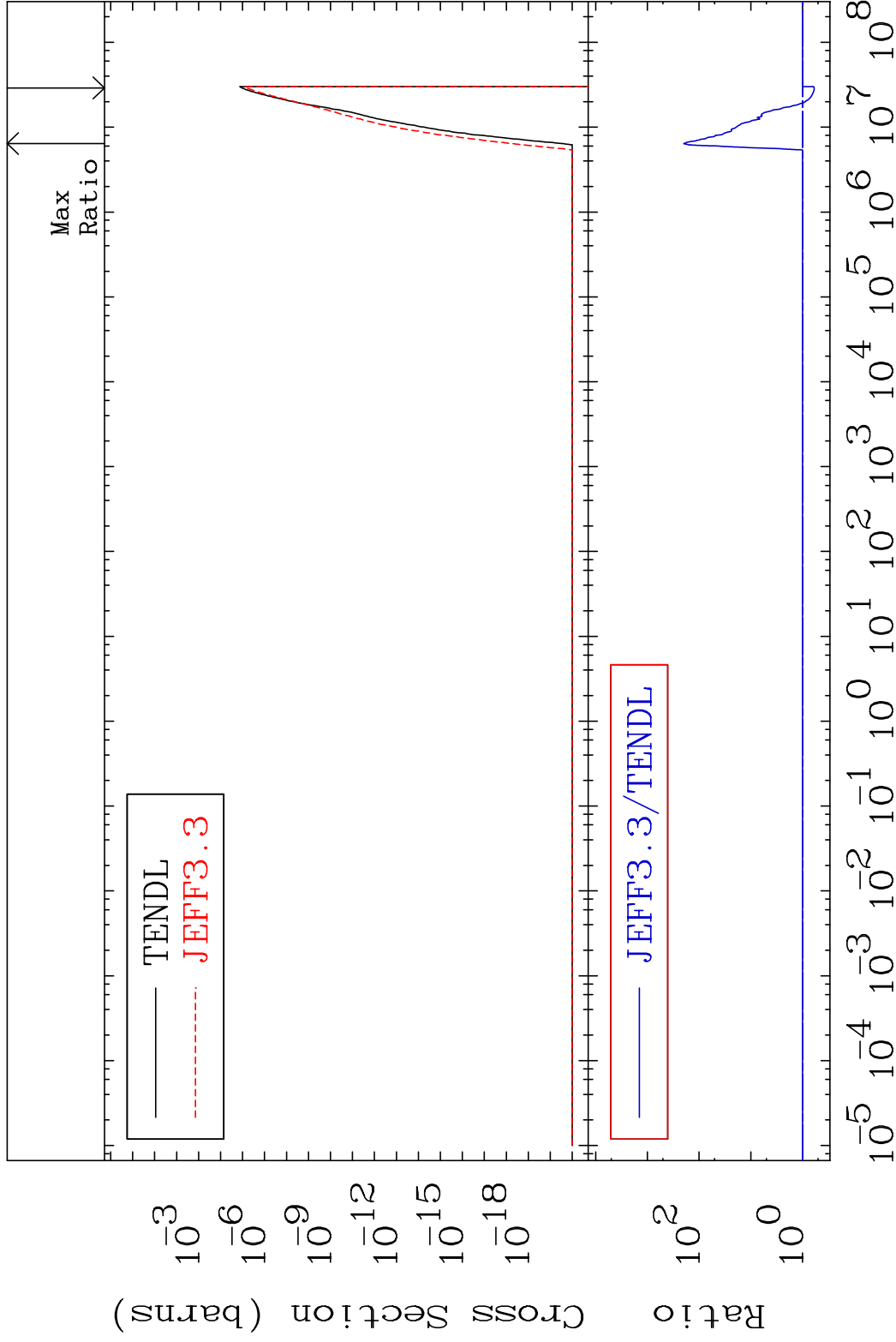
44-Ru-101

MAT 4440

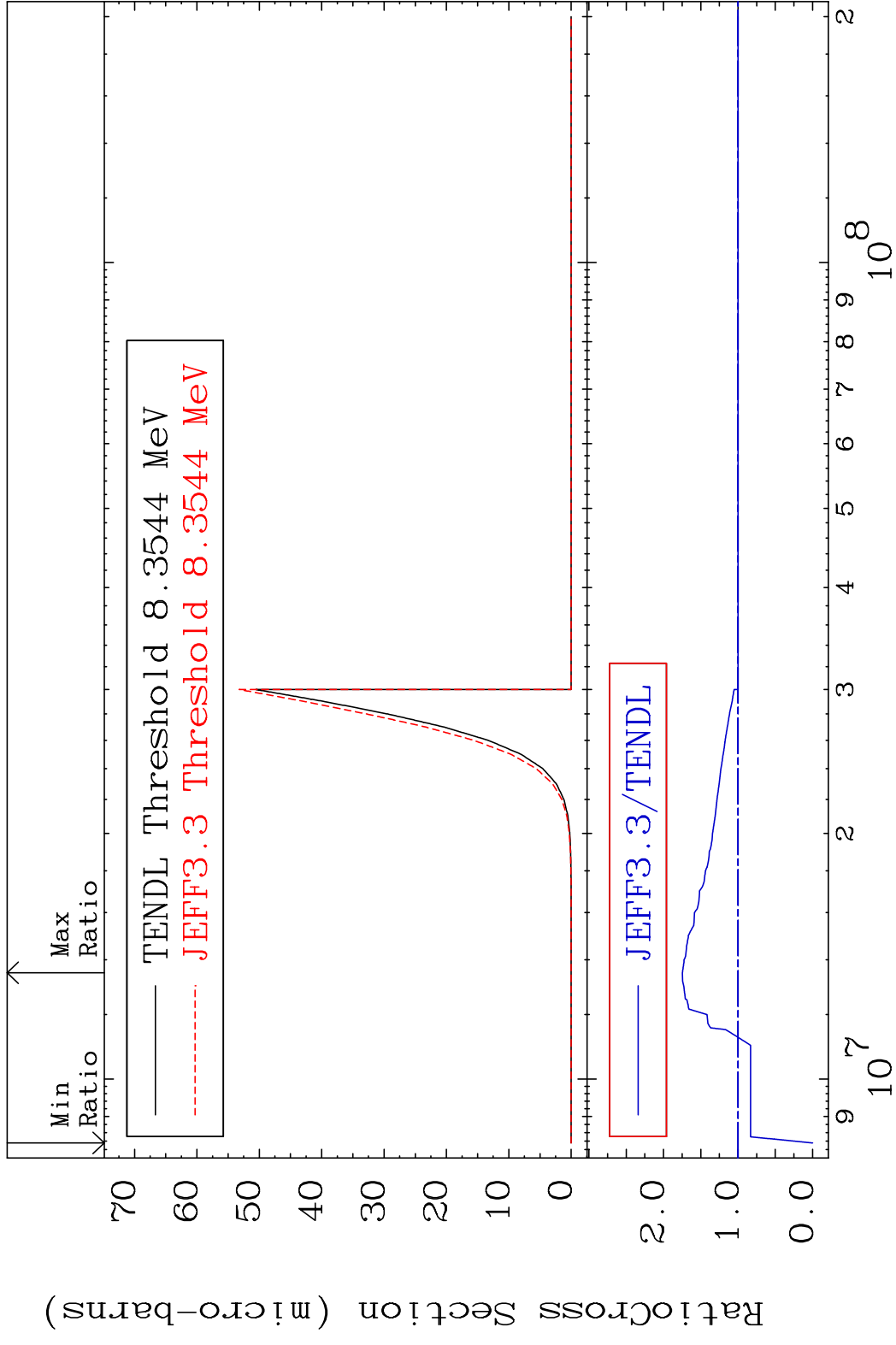
(n, 2α)

44-Ru-101

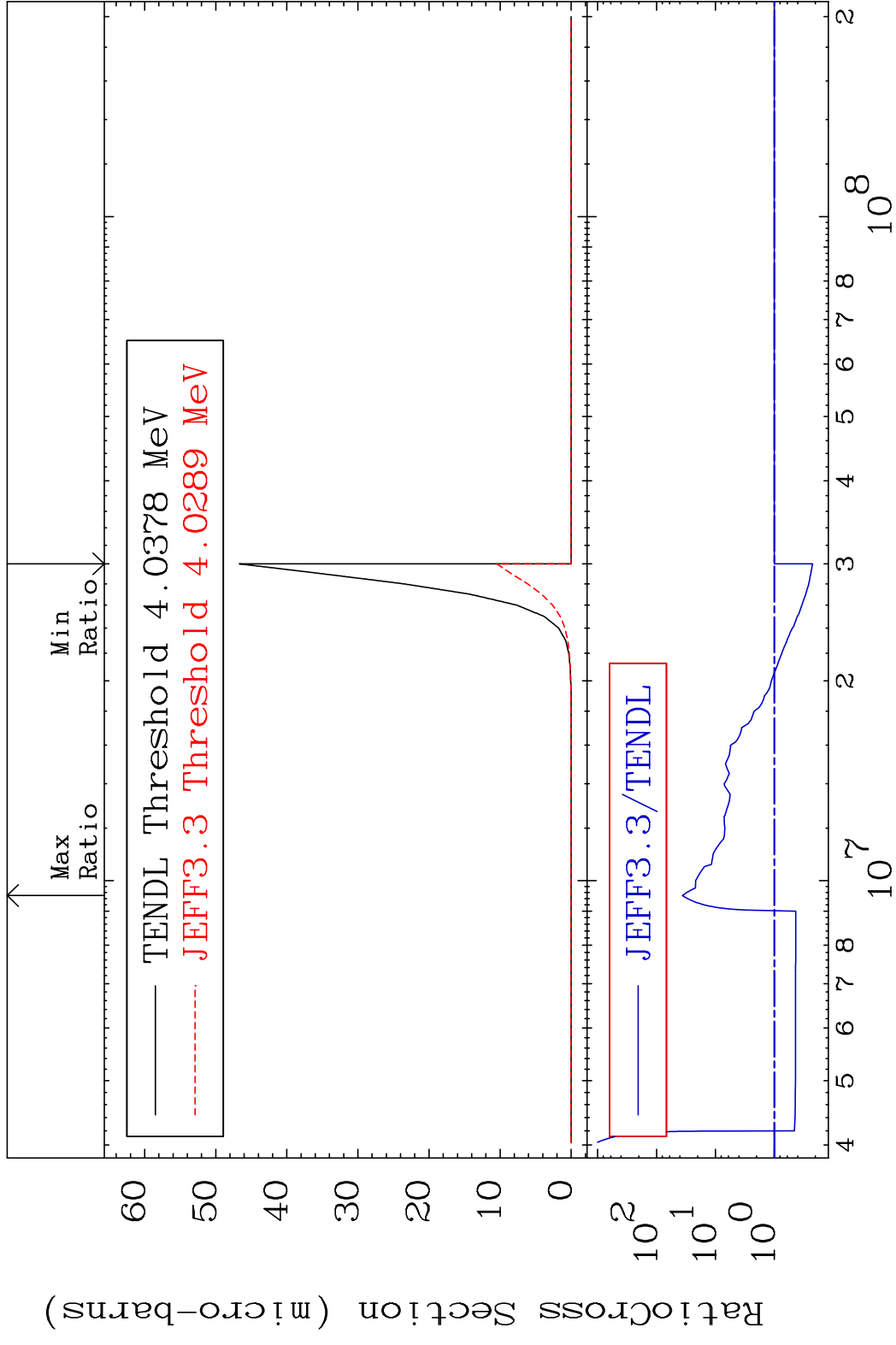
Cross Section -40.50 To 9999. %



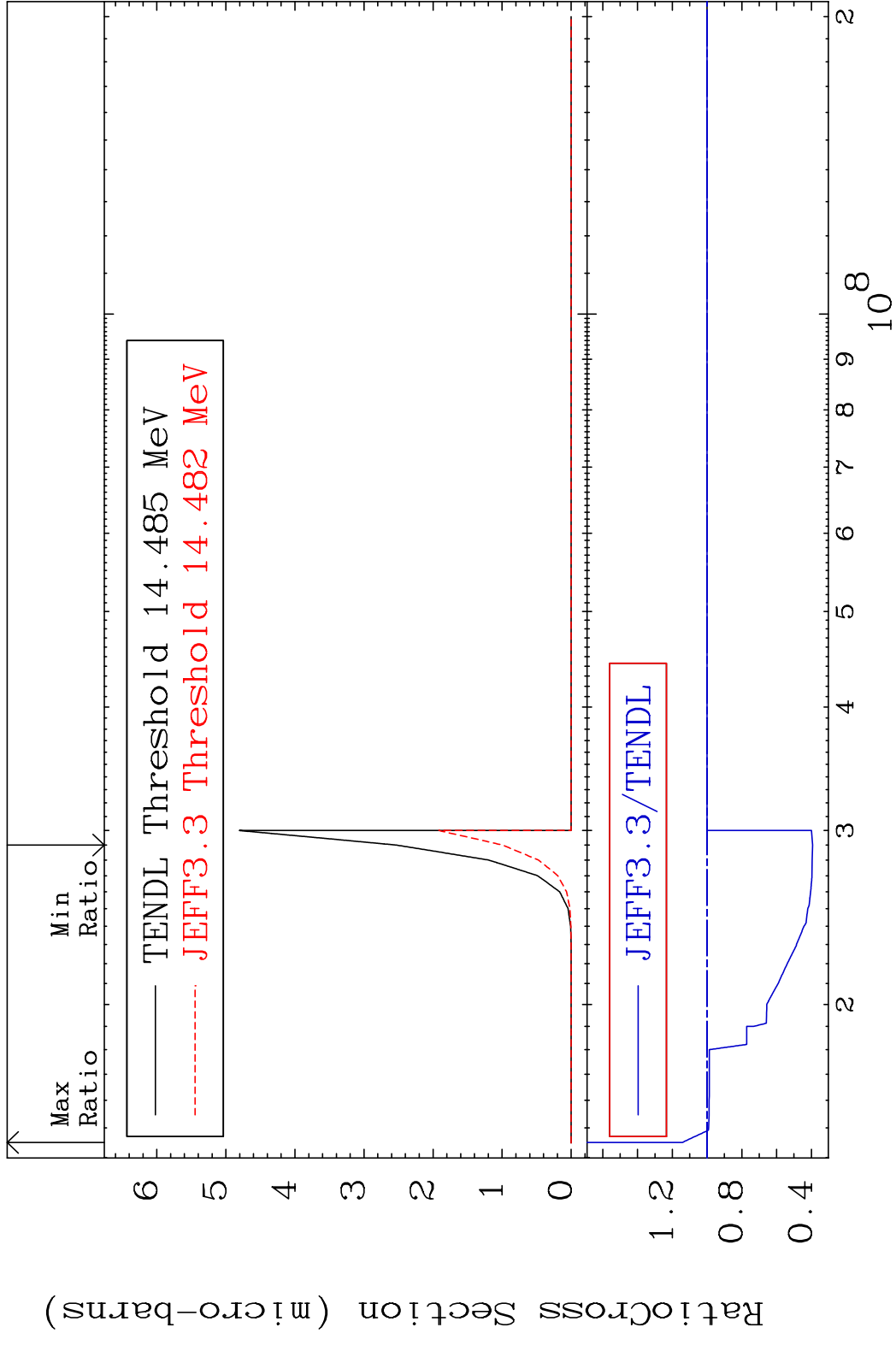
MAT 4440 (n,2p) 44-Ru-101
 Cross Section -100.0 To 74.70 %



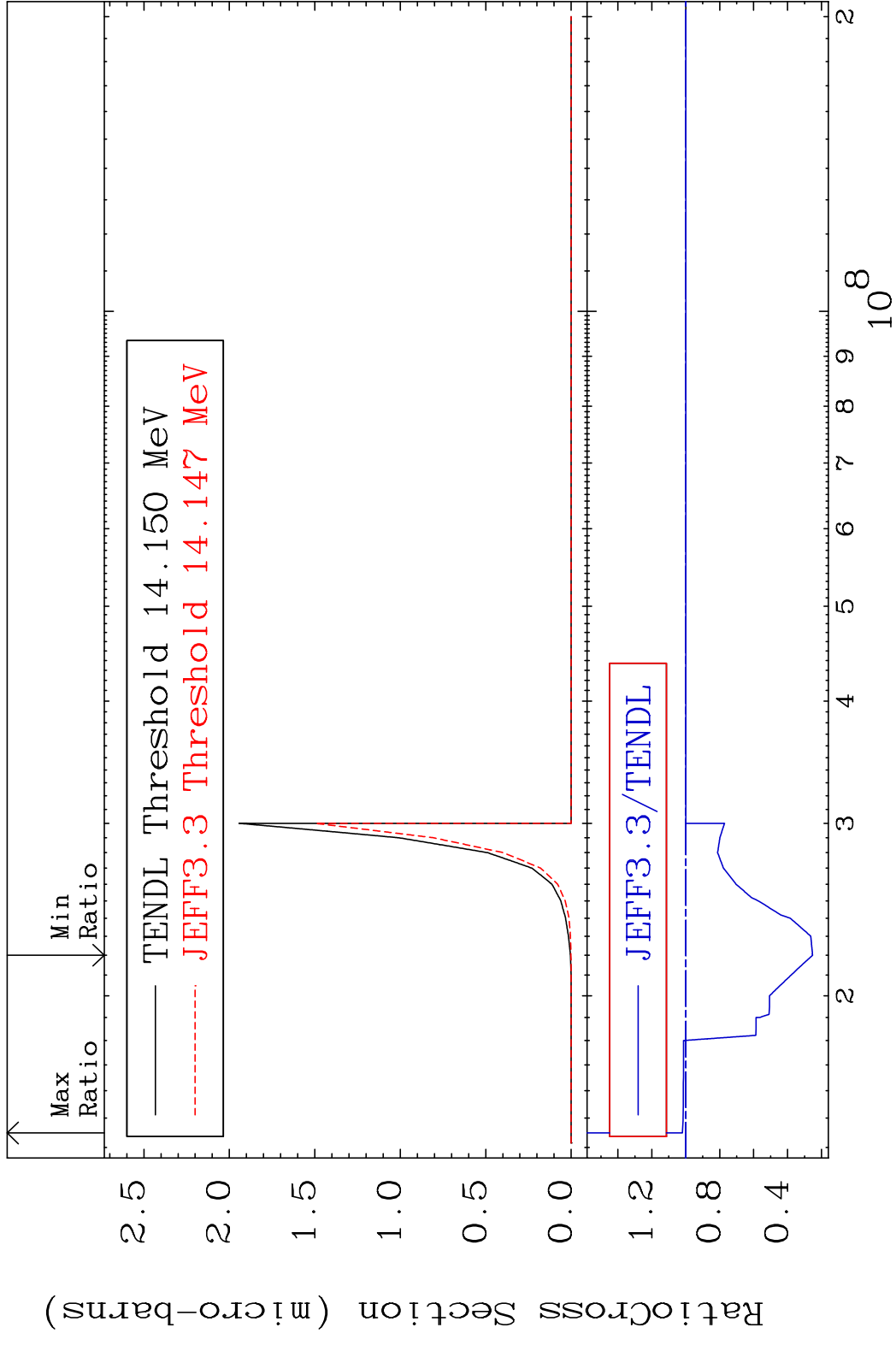
MAT 4440 (n,p) α 44-Ru-101
 Cross Section -77.60 To 3542. %



MAT 4440 (n,p) d 44-Ru-101
 Cross Section -60.69 To 14.23 %



MAT 4440 (n,p) t 44-Ru-101
 Cross Section -74.73 To 2.002 %

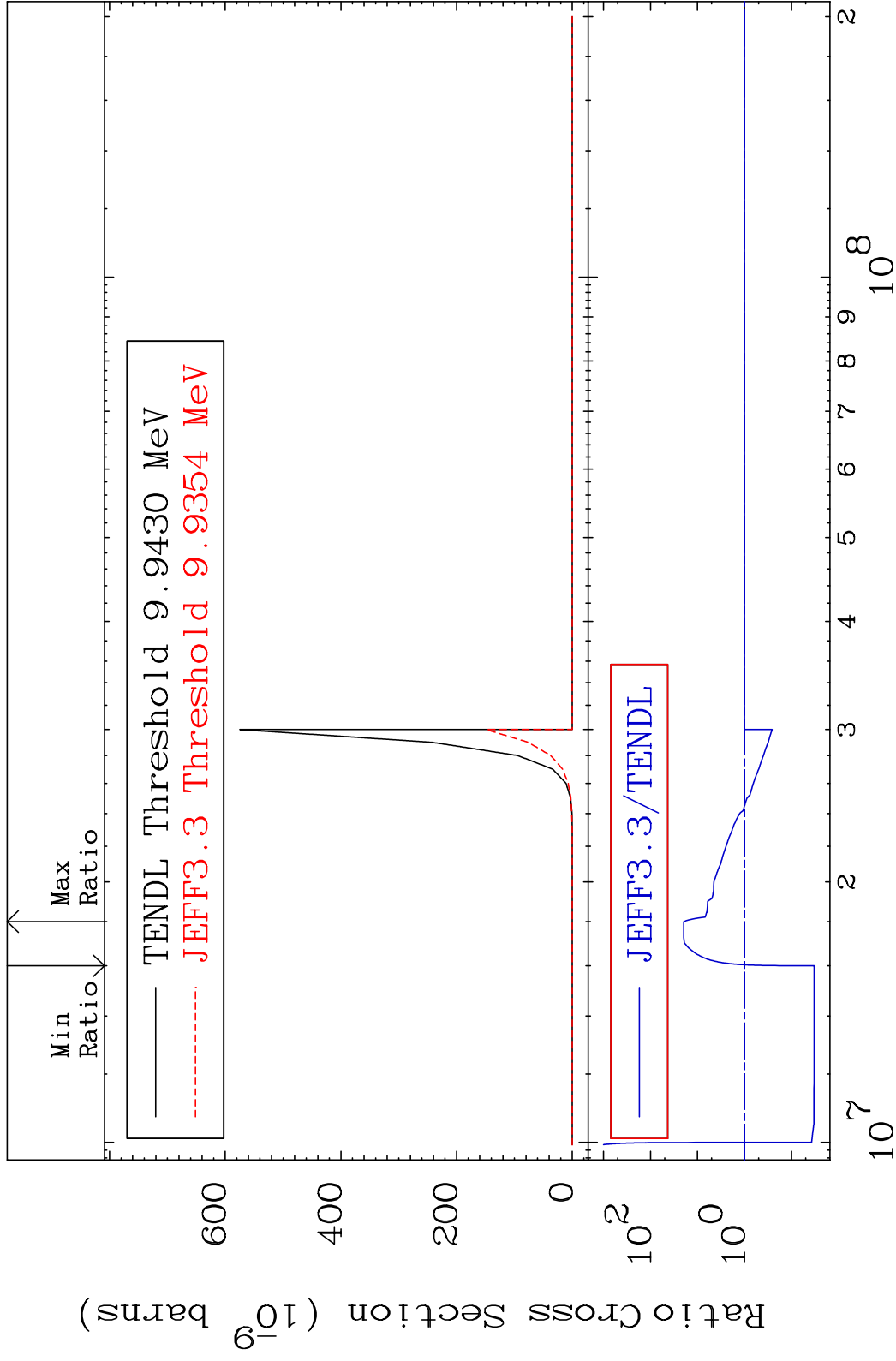


MAT 4440

(n,d) α

44-Ru-101

Cross Section -96.69 To 1869. %



61

Incident Energy (eV)

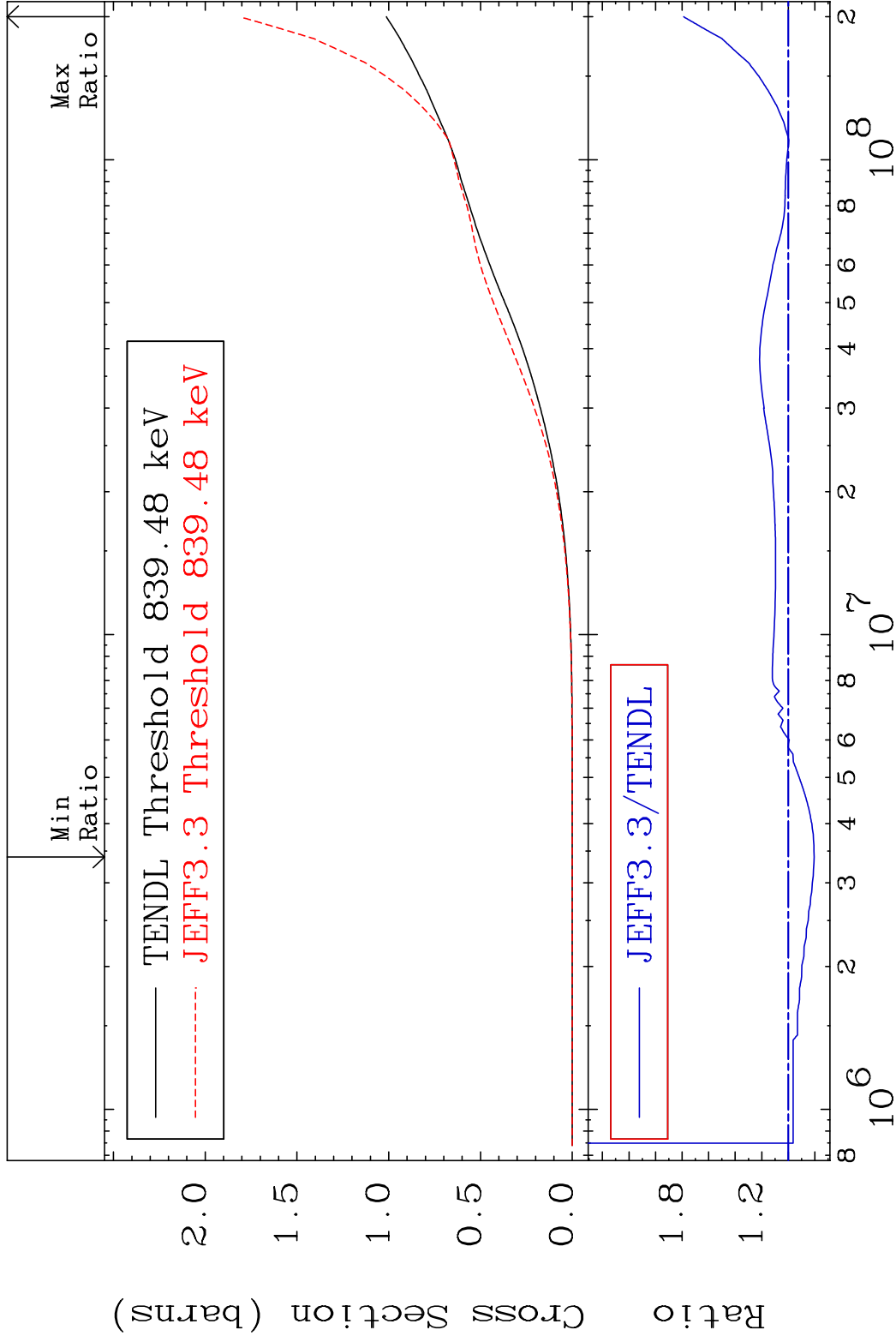
44-Ru-101

MAT 4440

Hydrogen Production

44-Ru-101

Cross Section -19.42 To 78.83 %

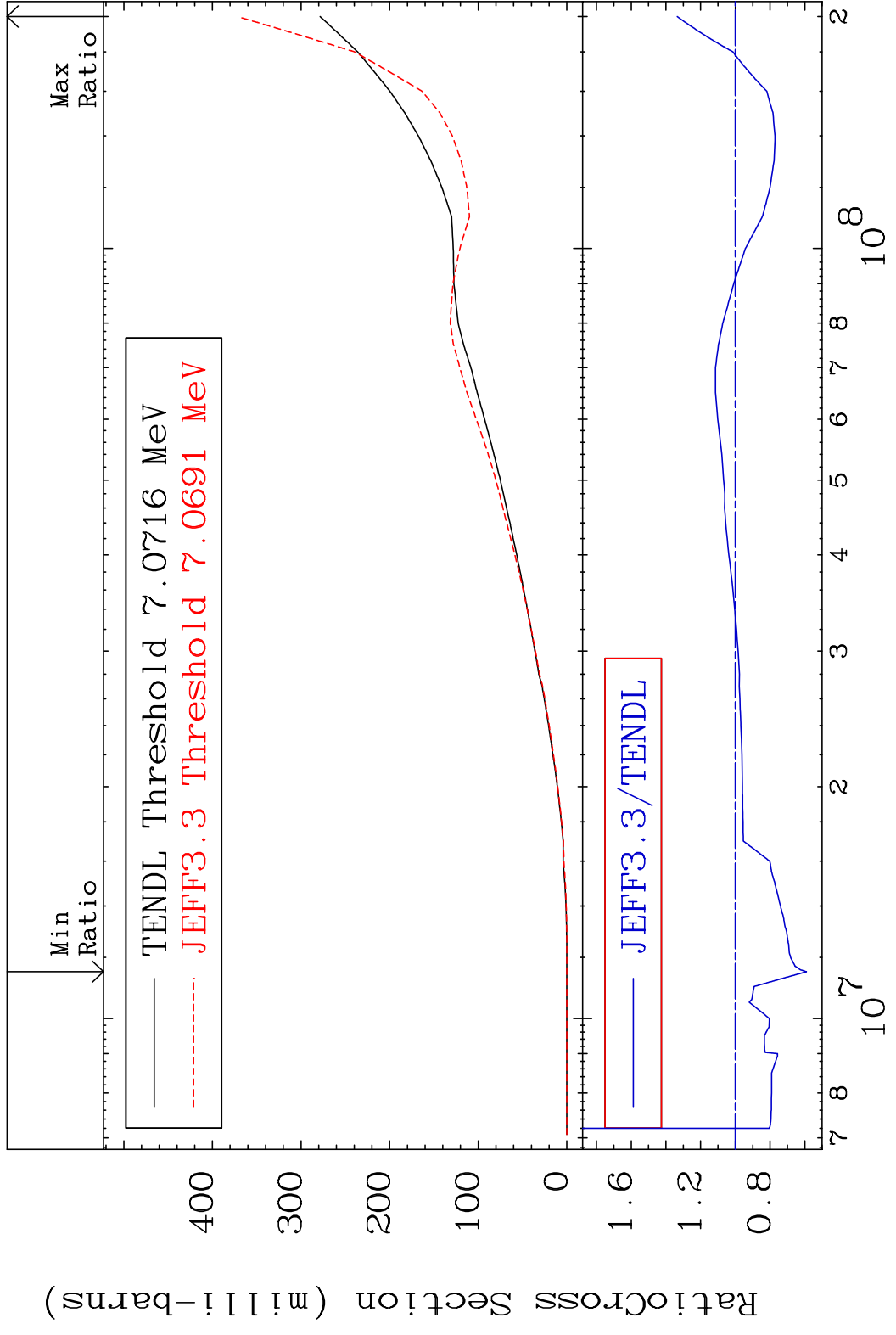


62

Incident Energy (eV)

44-Ru-101

MAT 4440 Deuterium Production 44-Ru-101
 Cross Section -40.93 To 33.51 %

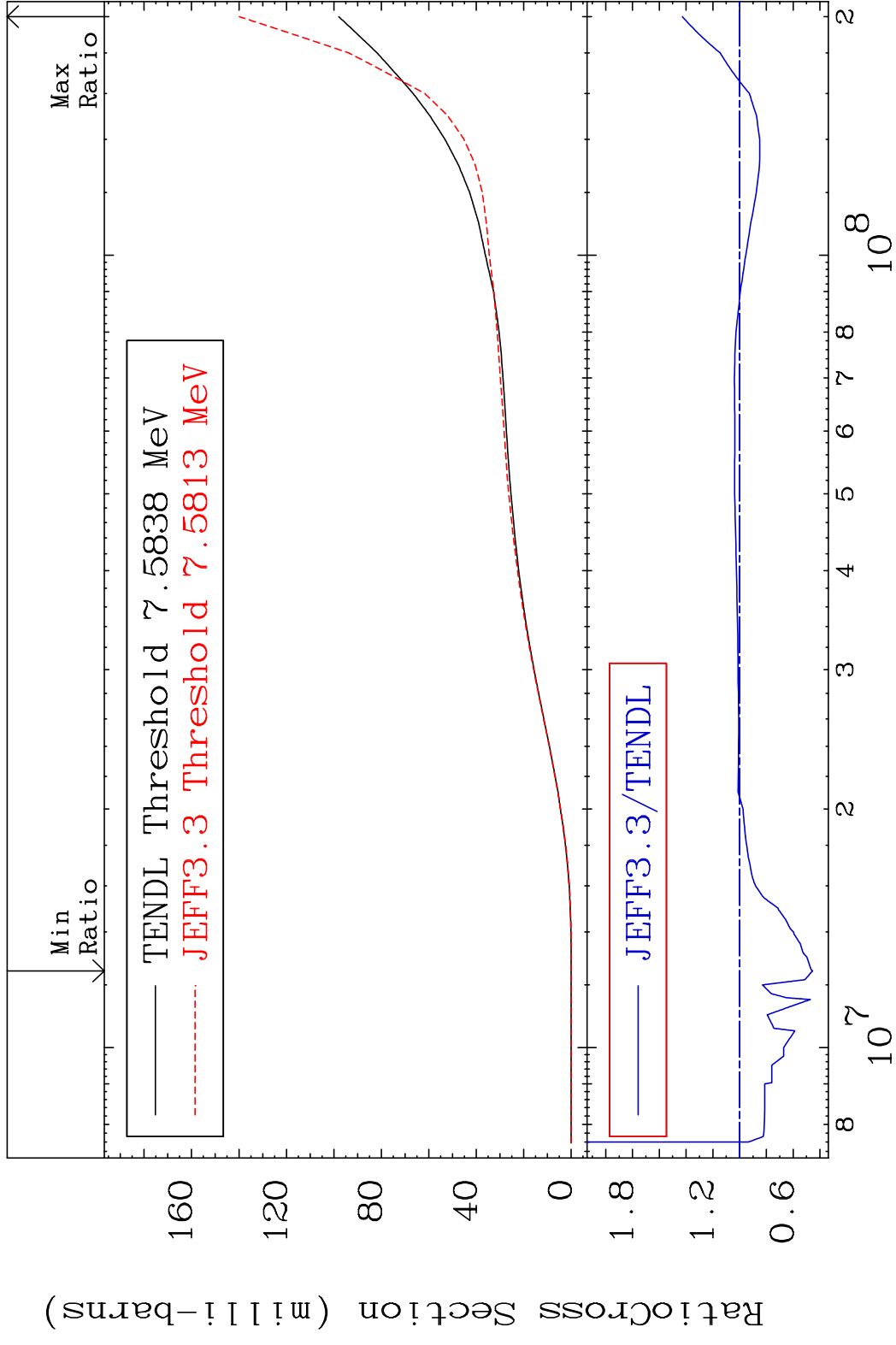


MAT 4440

Tritium Production

44-Ru-101

Cross Section -54.51 To 42.78 %



64

Incident Energy (eV)

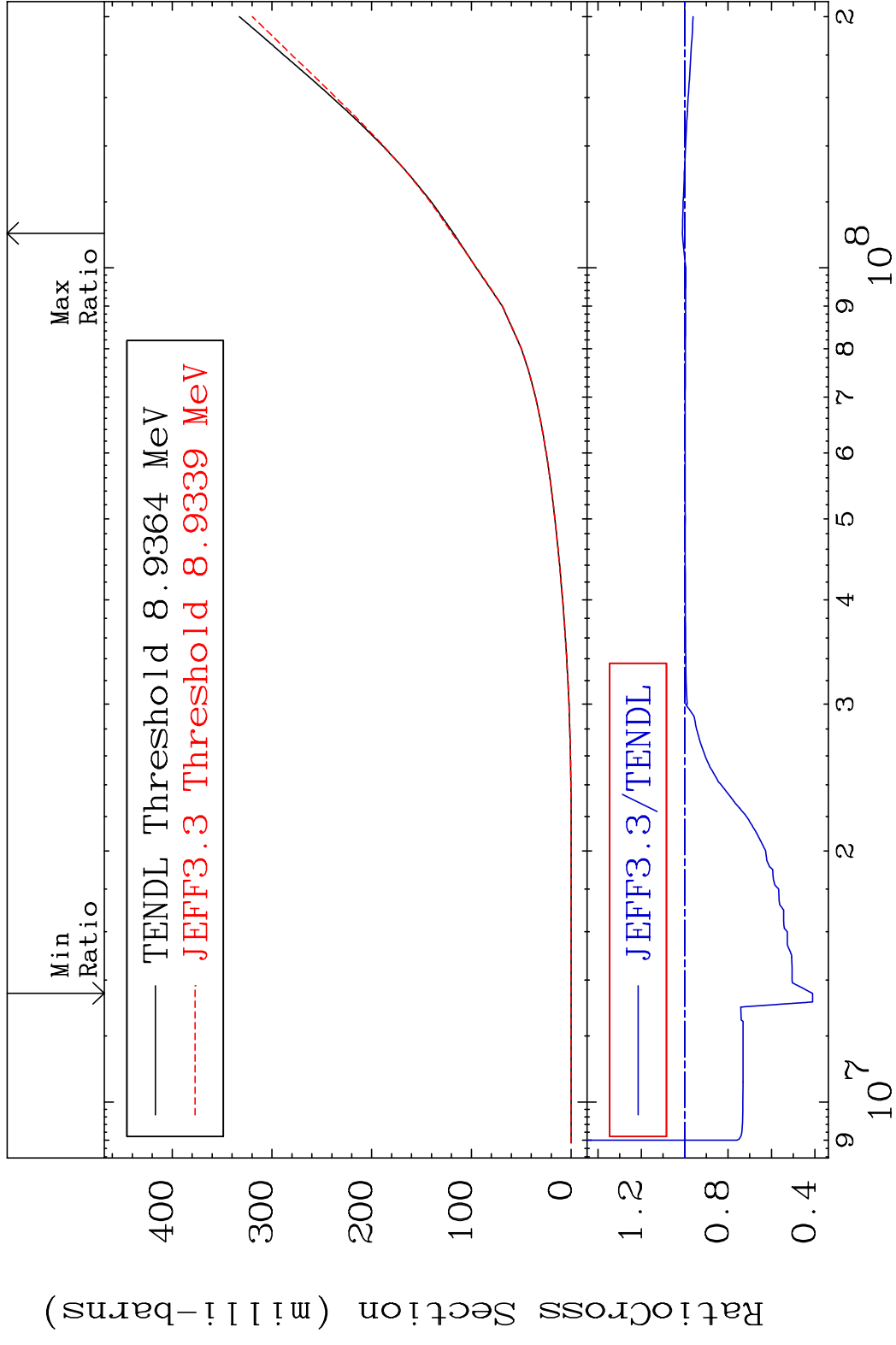
44-Ru-101

MAT 4440

He-3 Production

44-Ru-101

Cross Section -58.97 To 1.105 %



65

Incident Energy (eV)

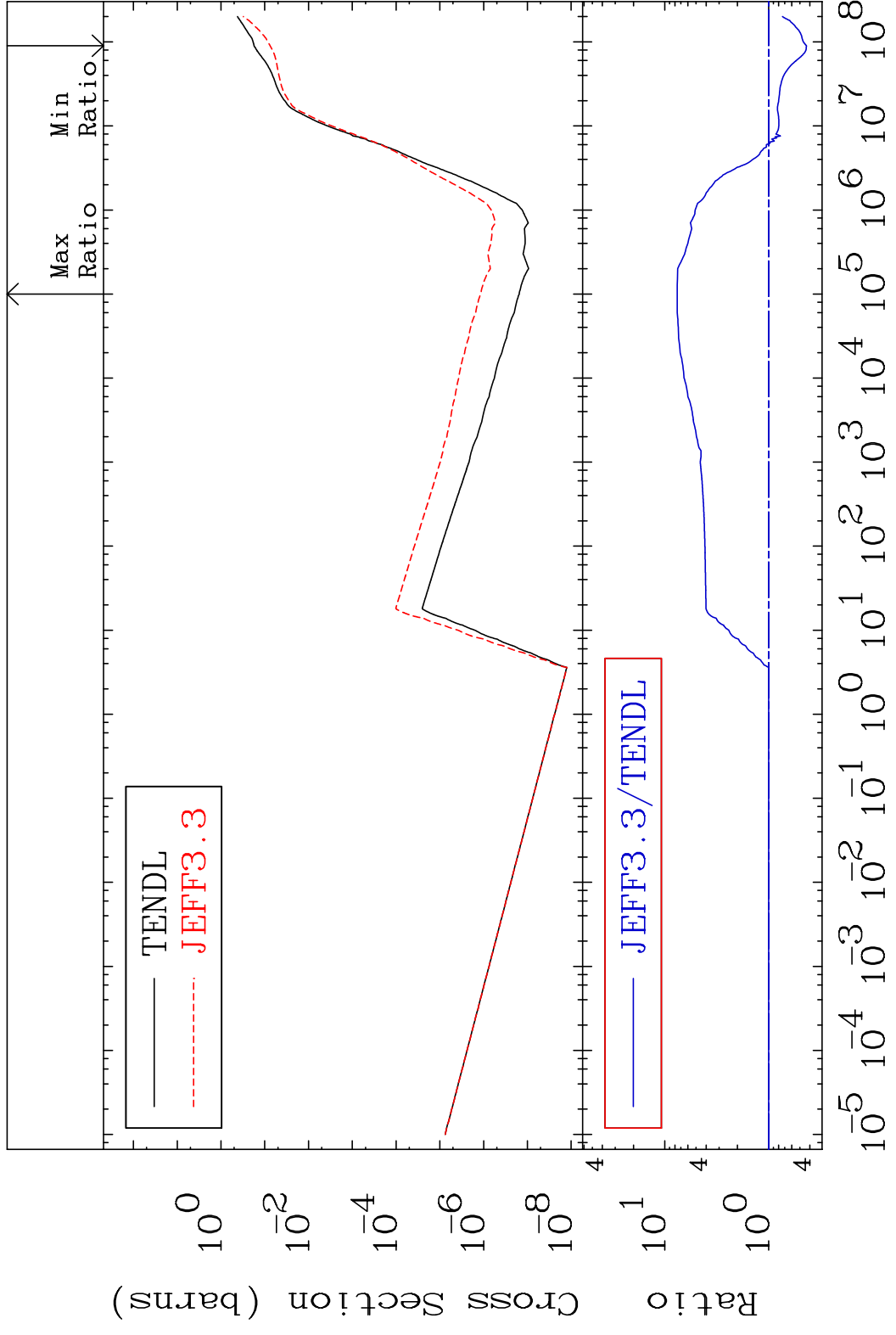
44-Ru-101

MAT 4440

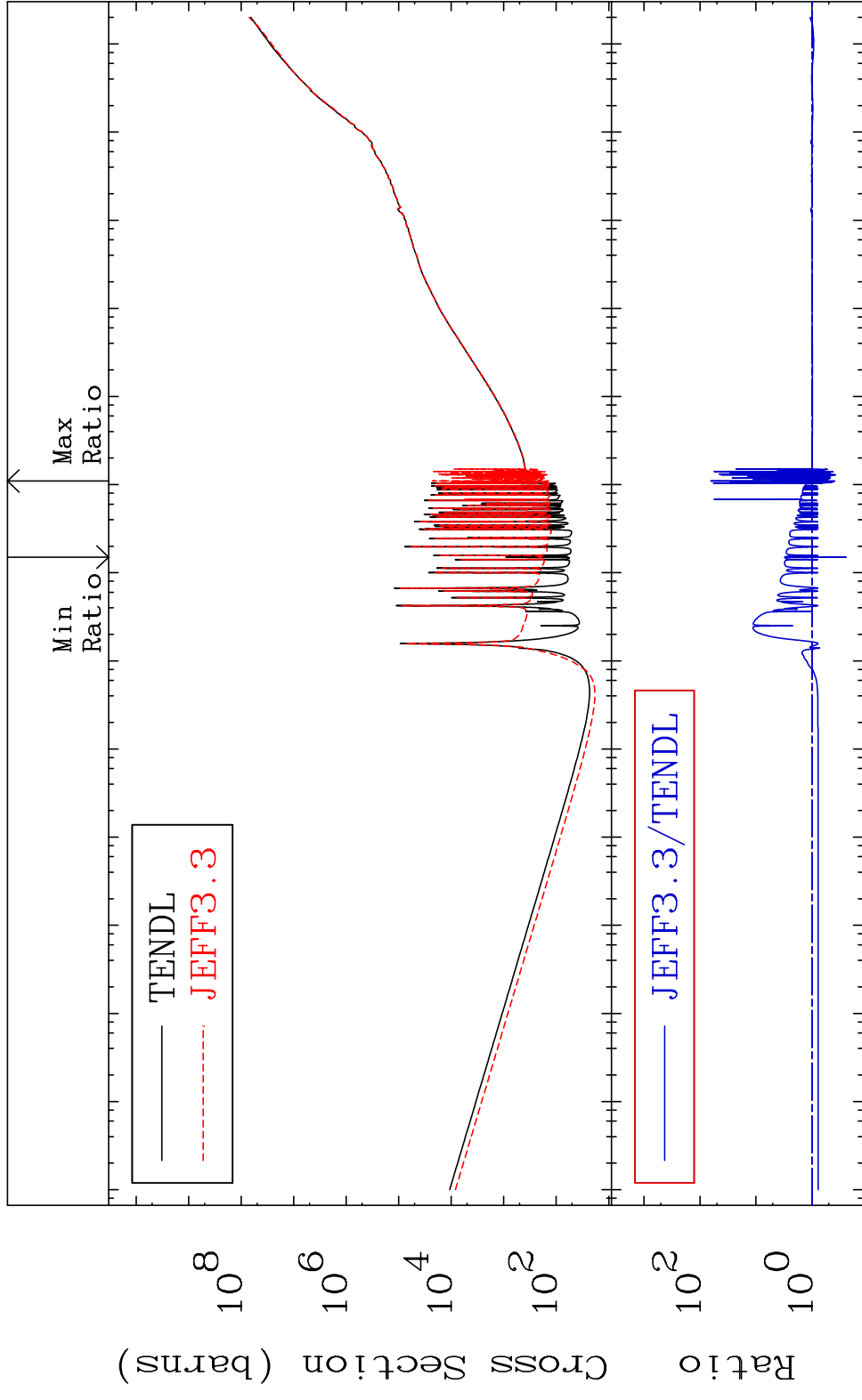
He-4 Production

44-Ru-101

Cross Section -56.72 To 660.4 %

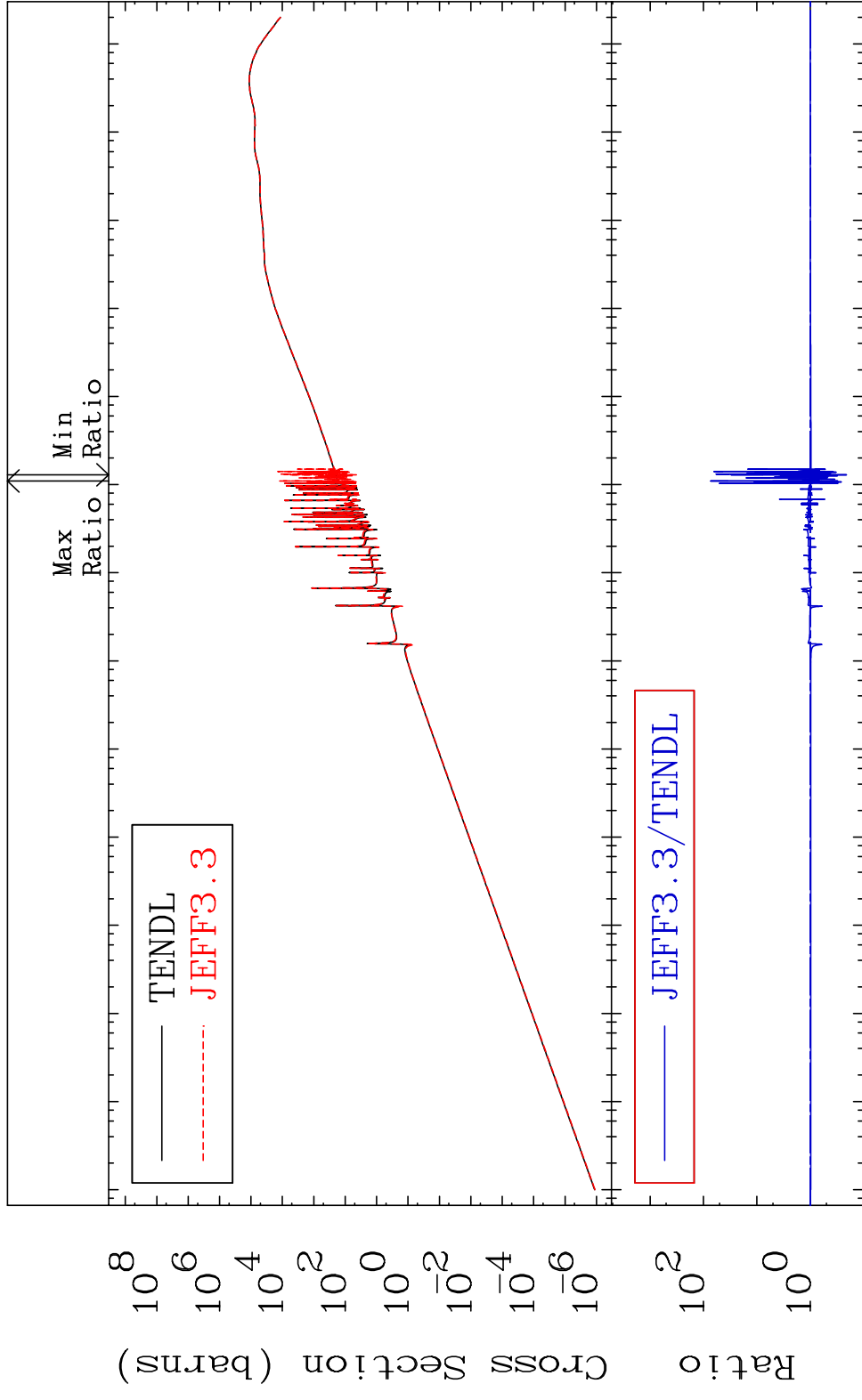


MAT 4440 Kerma total (eV-barns) 44-Ru-101
 Cross Section -75.67 To 6335. %

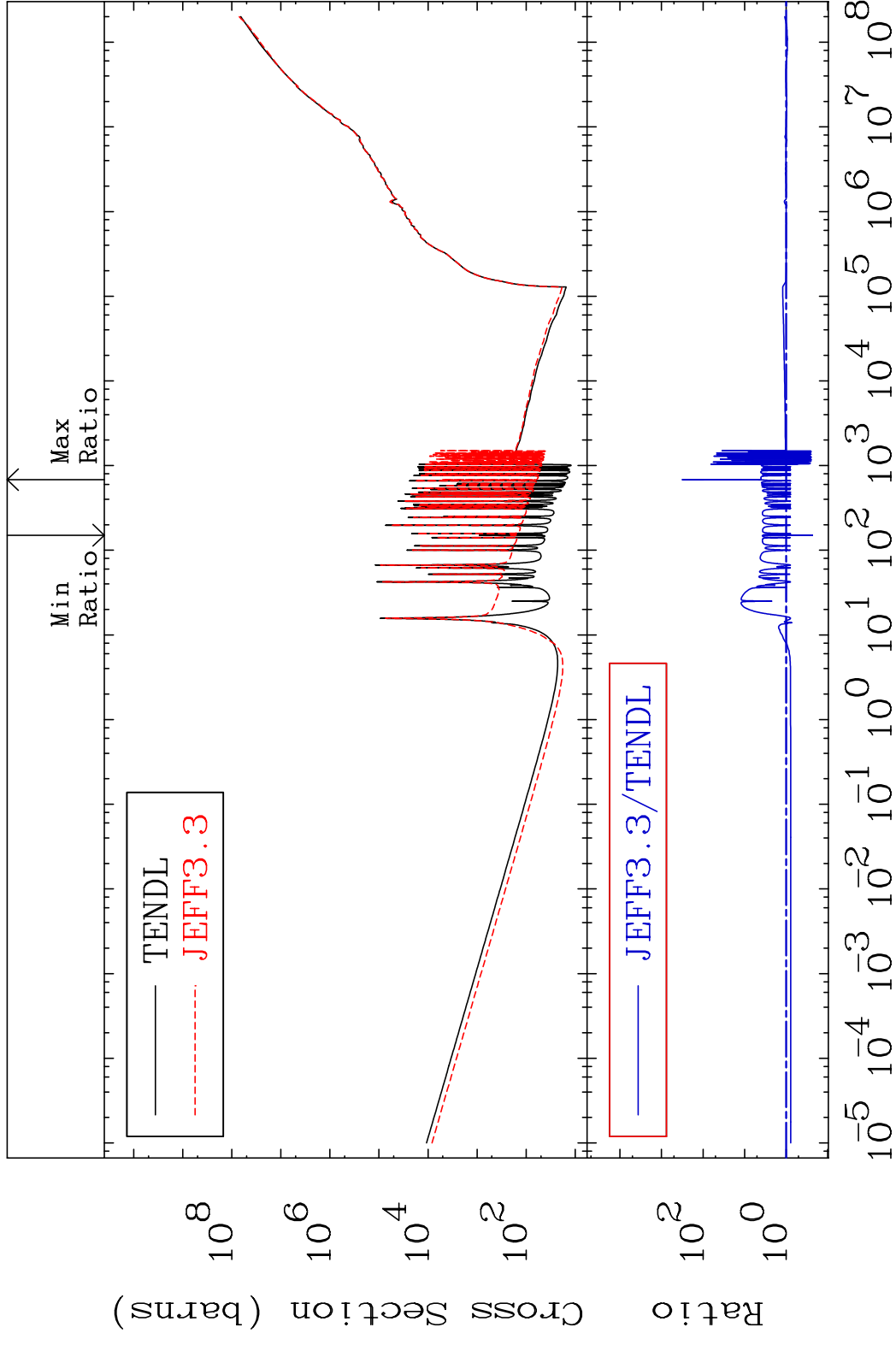


MAT 4440

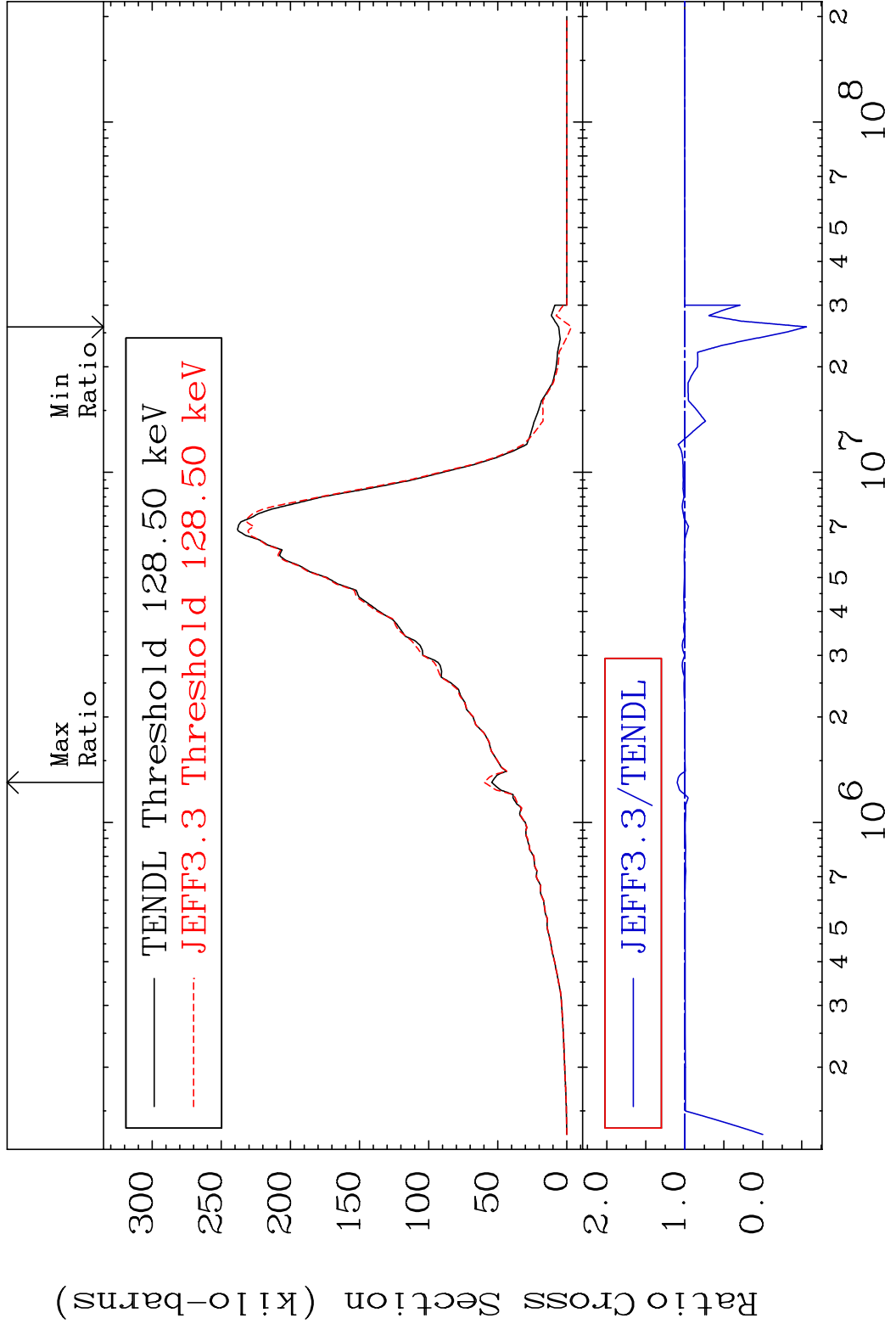
Kerma elastic Cross Section -78.86 To 7224. %
44-Ru-101



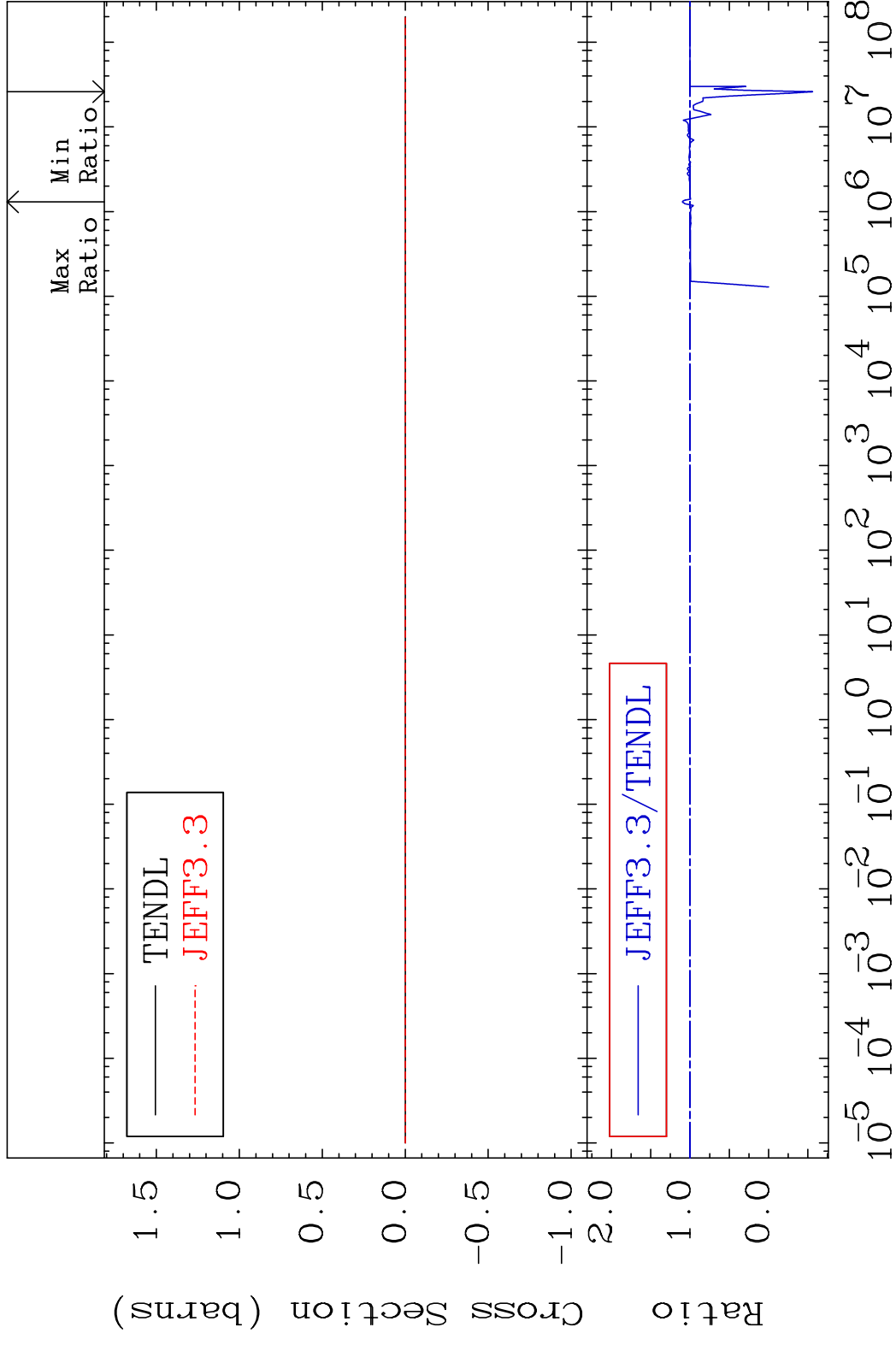
MAT 4440 Kerma non-elastic (all but mt2) 44-Ru-101
 Cross Section -76.98 To 9999. %



MAT 4440 Kerma inelastic (mt51-91) 44-Ru-101
 Cross Section -156.0 To 9.752 %



MAT 4440 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-101
 Cross Section -156.0 To 9.752 %

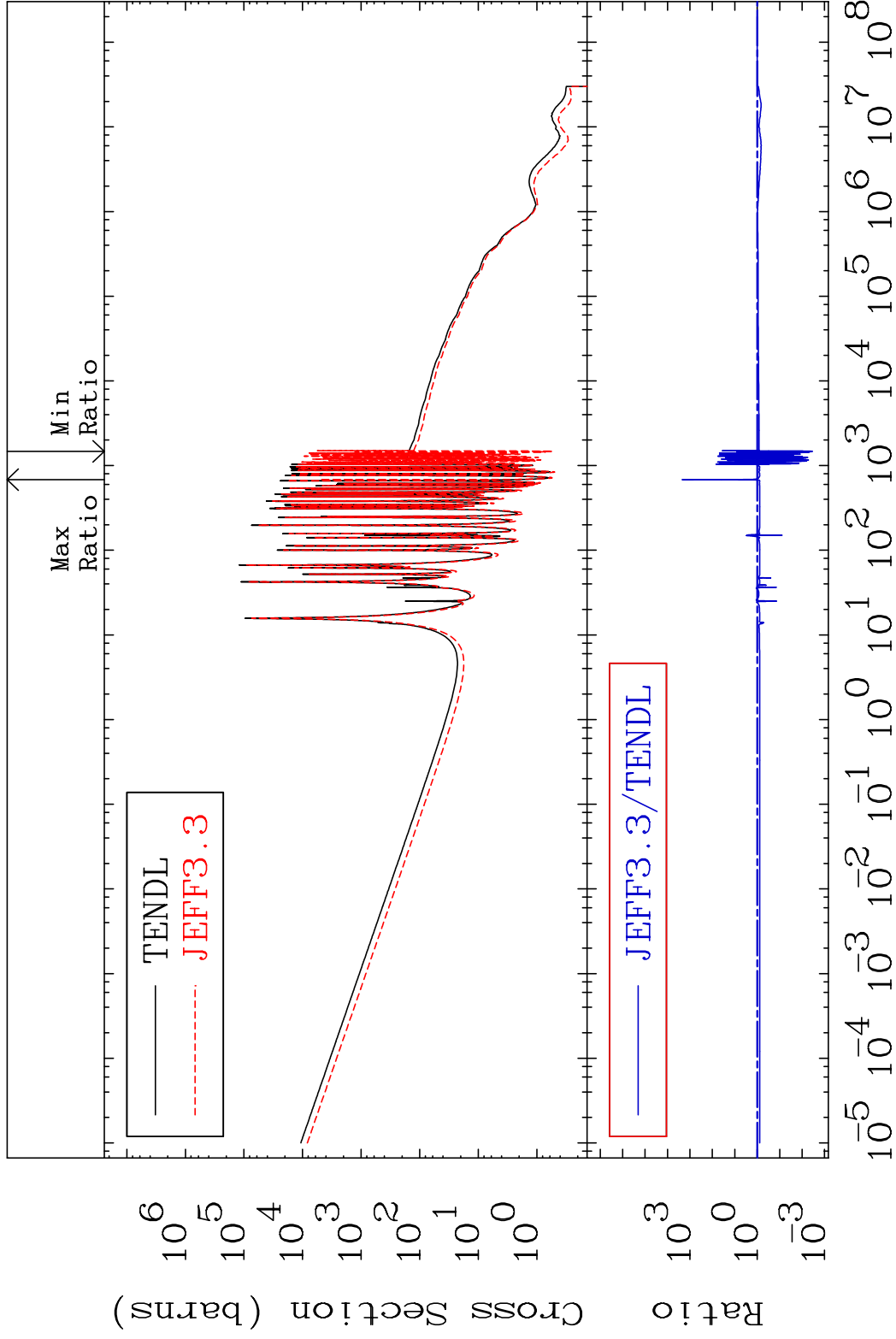


MAT 4440

Kerma capture (mt102)

44-Ru-101

Cross Section -99.66 To 9999. %

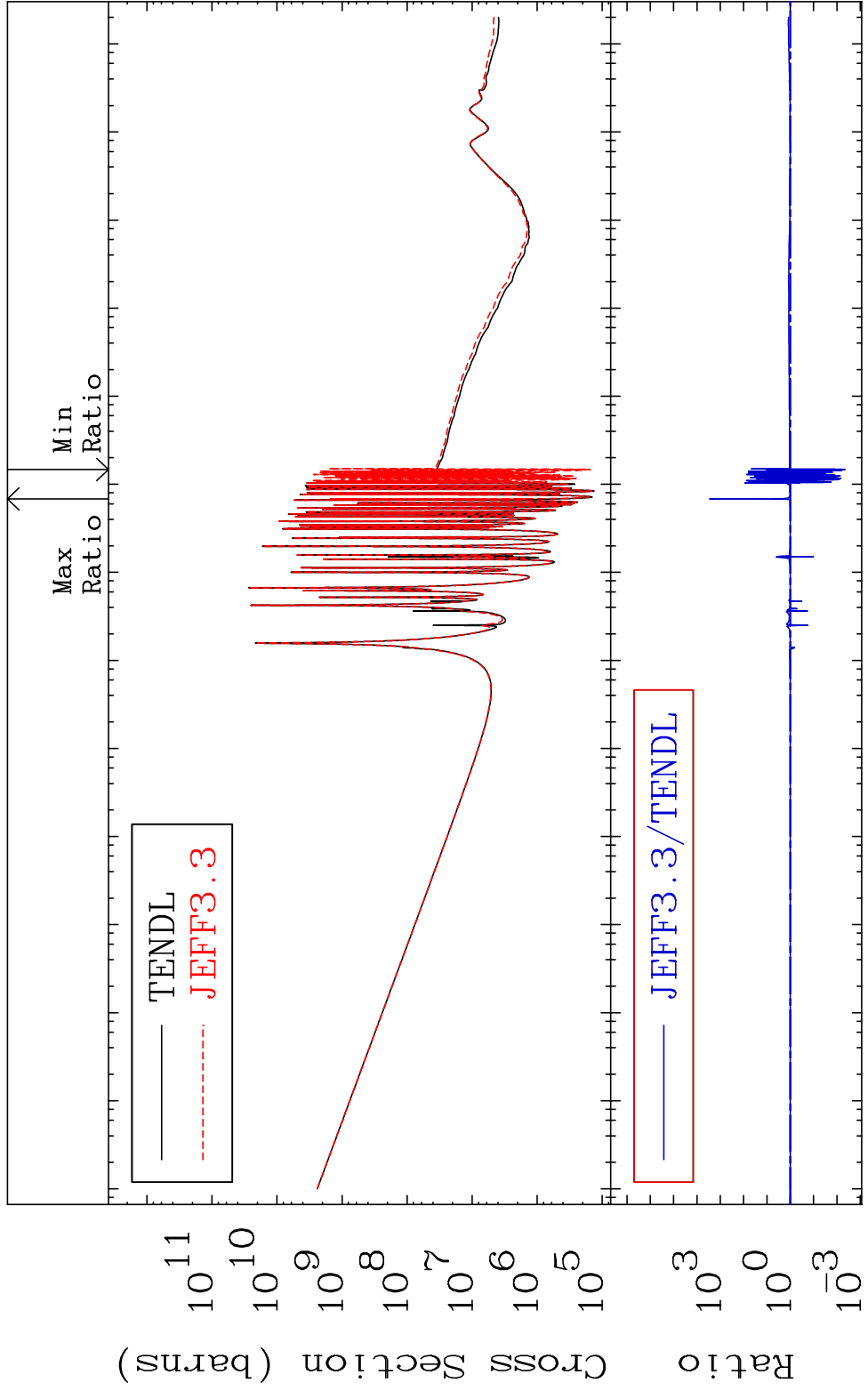


72

Incident Energy (eV)

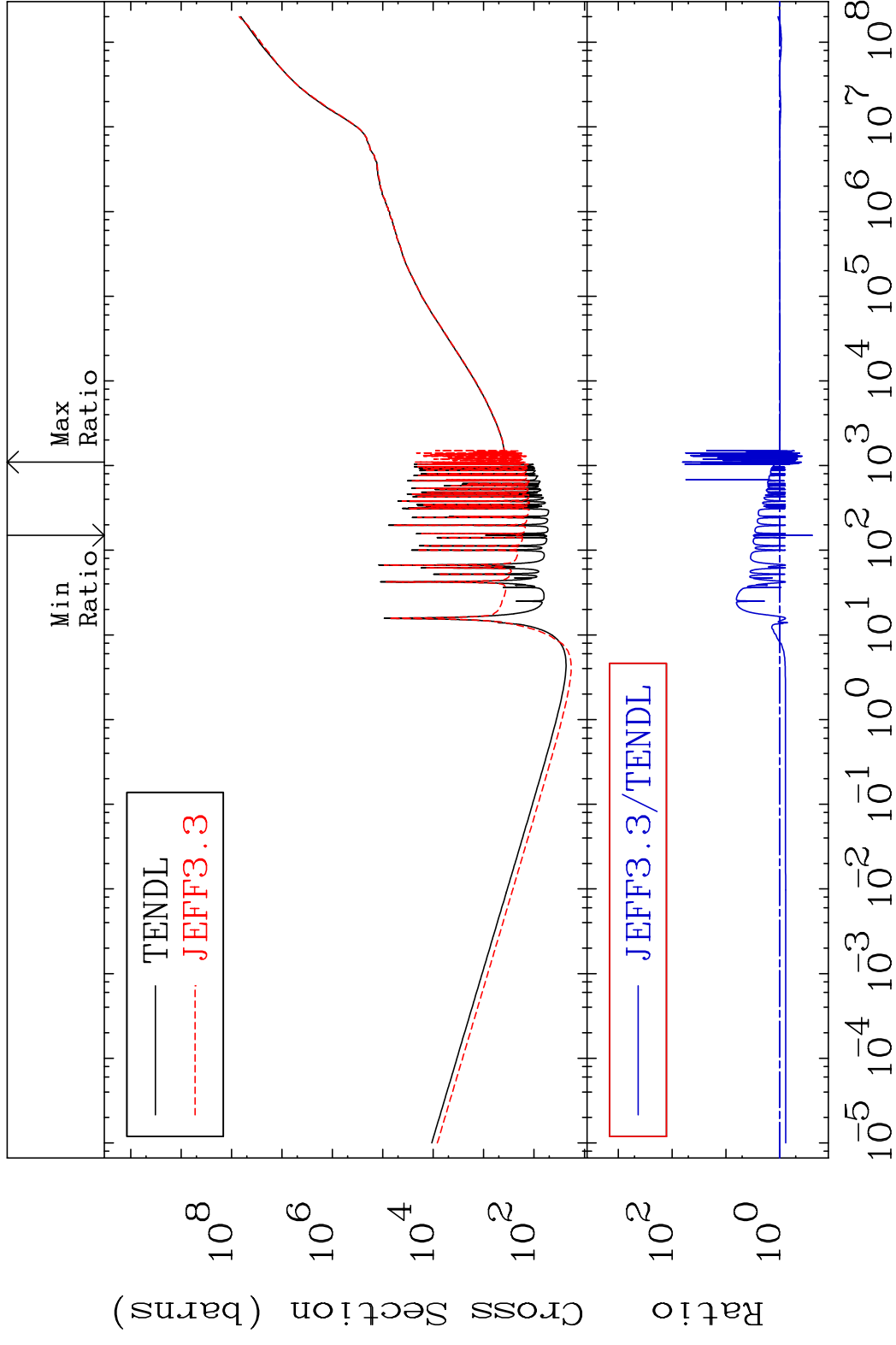
44-Ru-101

MAT 4440 Total photon (eV-barns) 44-Ru-101
 Cross Section -99.56 To 9999. %

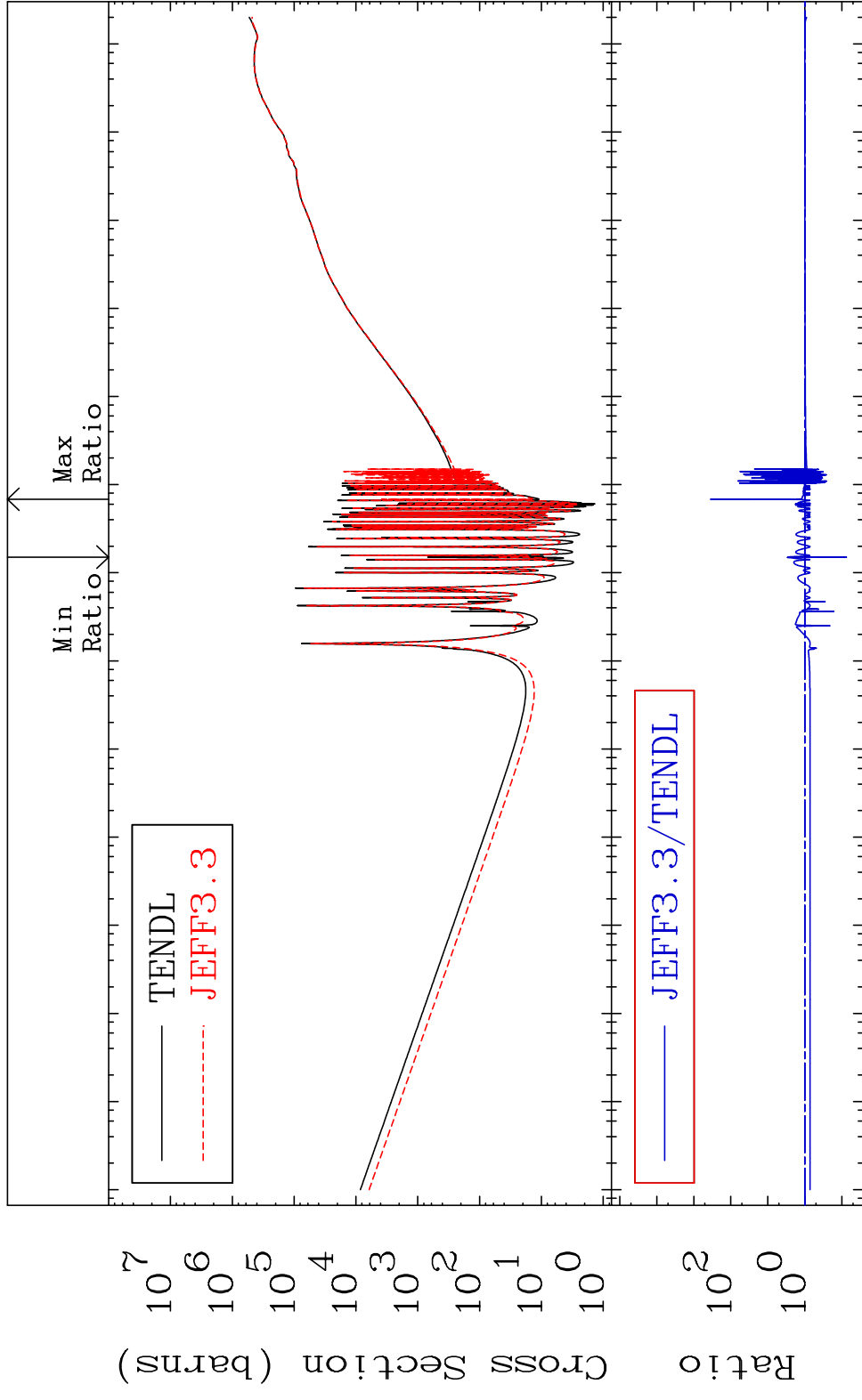


73 Incident Energy (eV) 44-Ru-101

MAT 4440 Total kinematic kerma (high limit) 44-Ru-101
 Cross Section -75.56 To 6334. %



MAT 4440 Dpa total (eV-barns) 44-Ru-101
 Cross Section -92.41 To 9999. %



75 Incident Energy (eV) 44-Ru-101

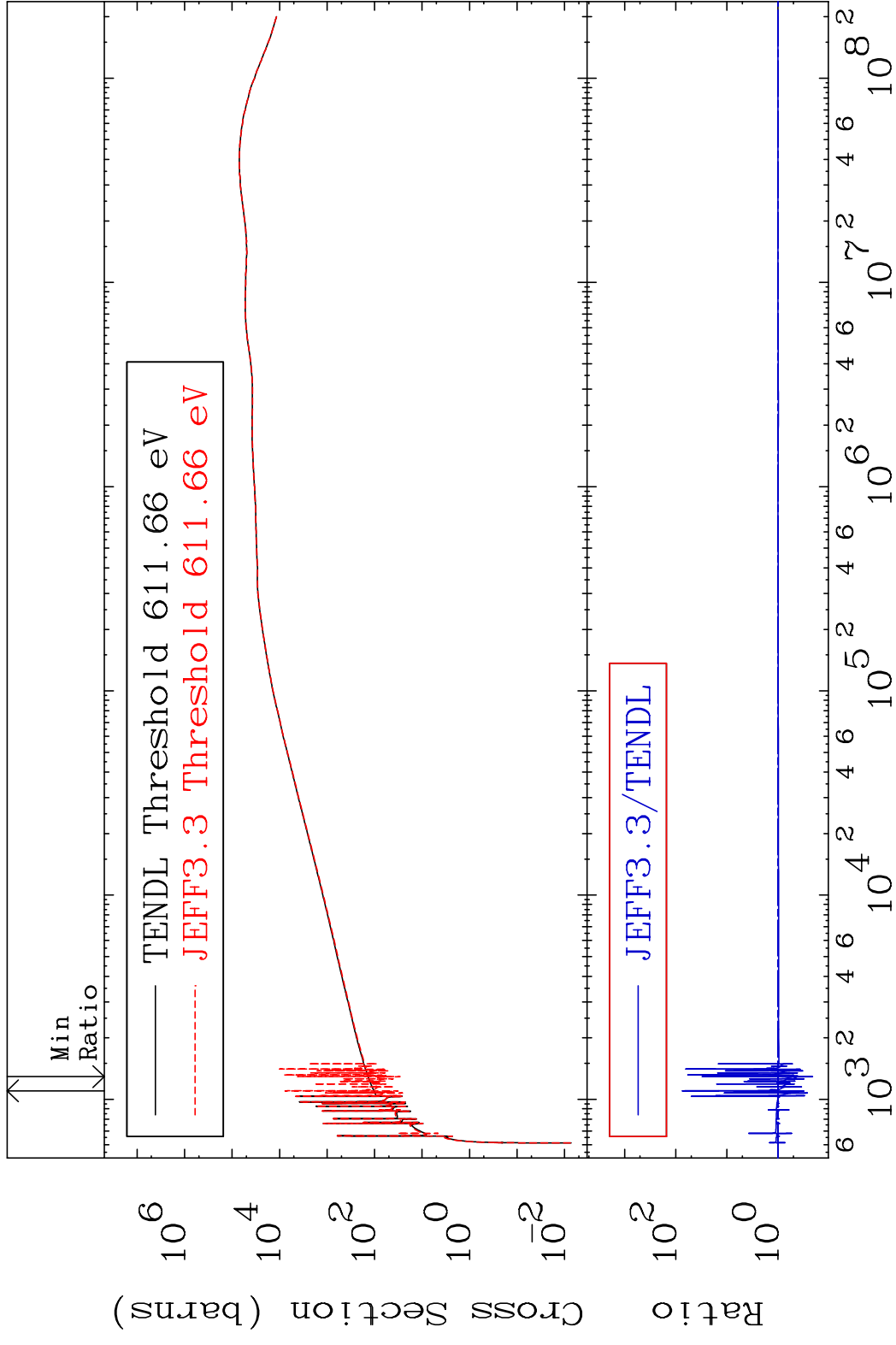
MAT 4440

Dpa elastic (mt2)

44-Ru-101

Cross Section

-78.86 To 7339. %



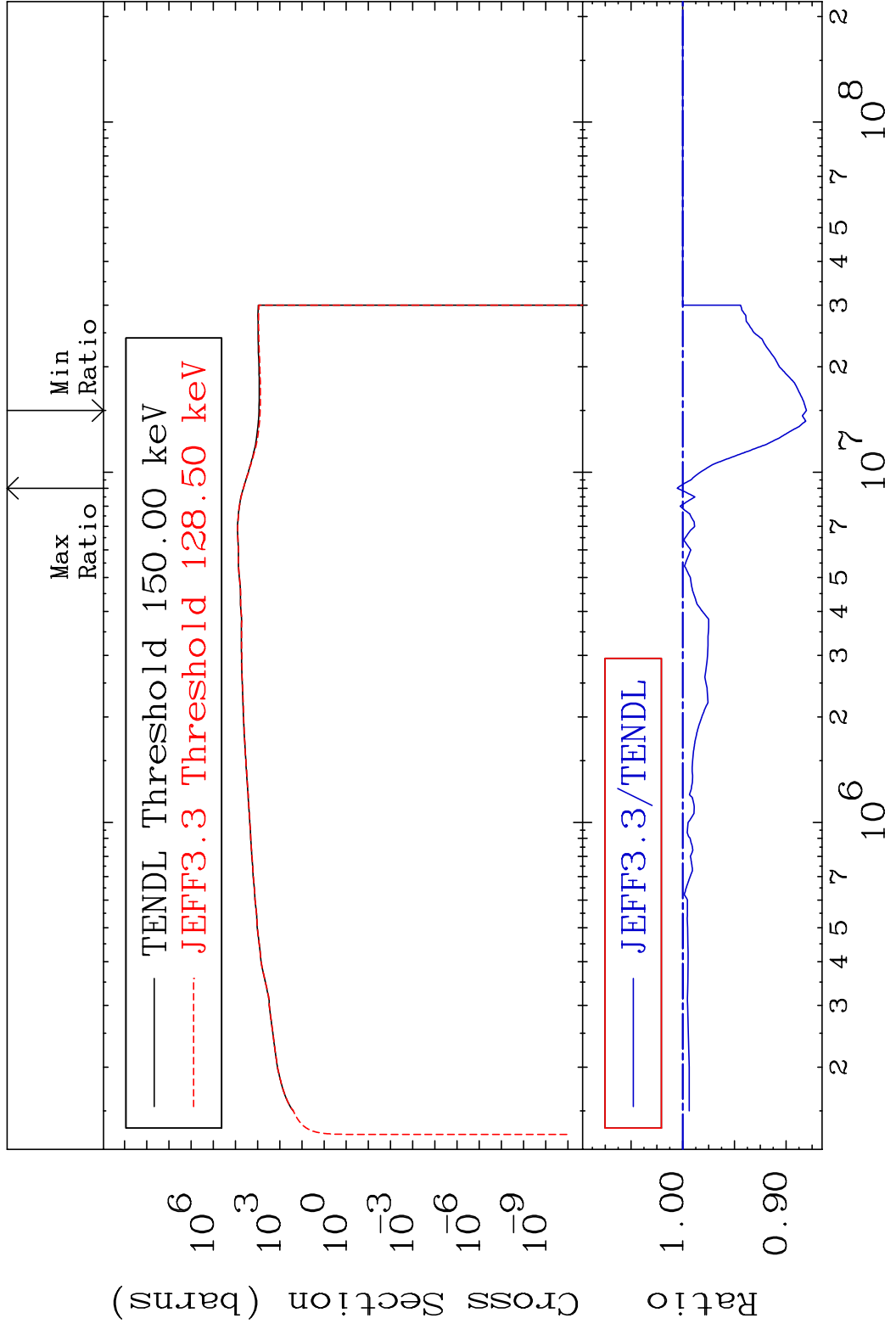
76

Incident Energy (eV)

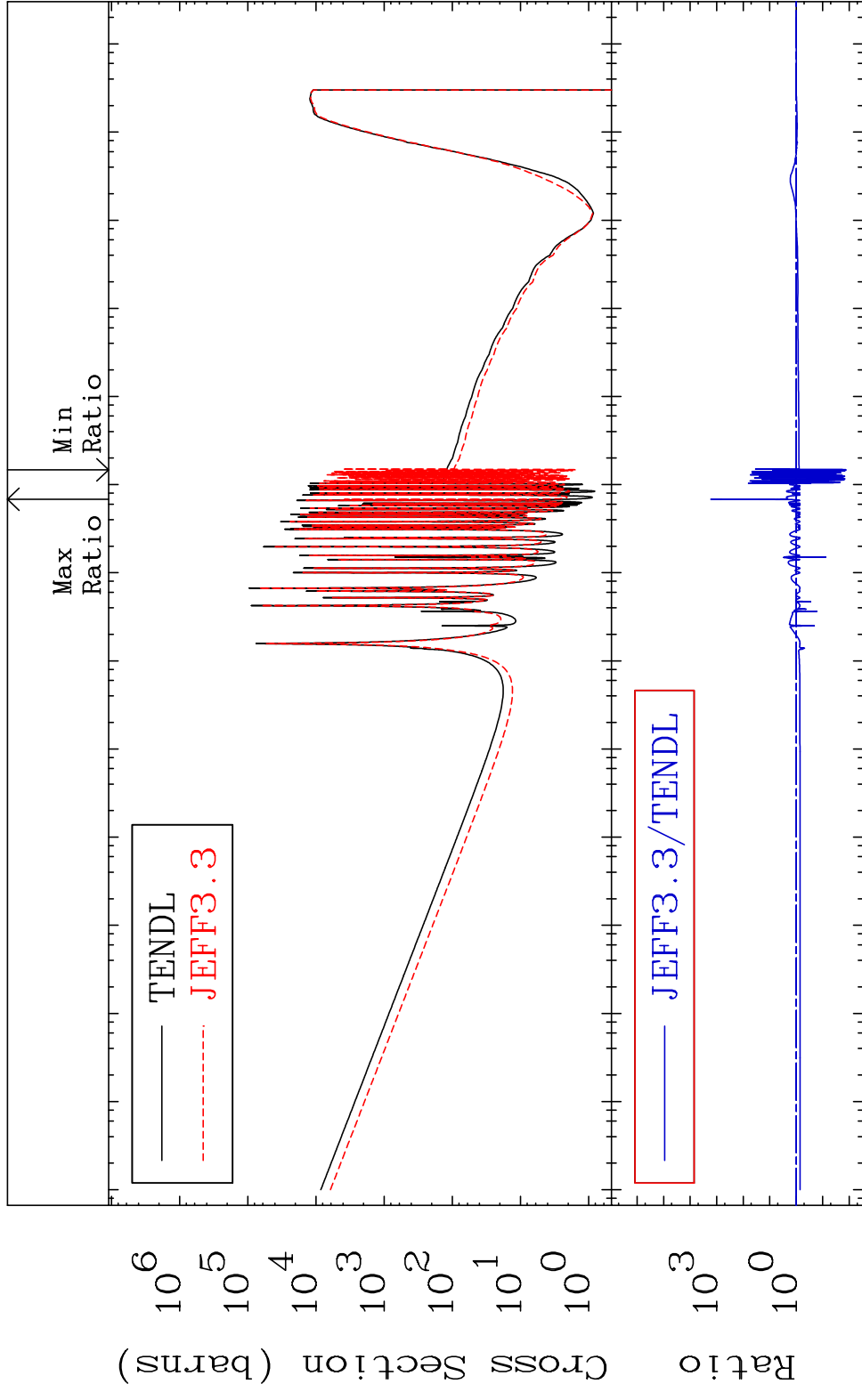
44-Ru-101

MAT 4440

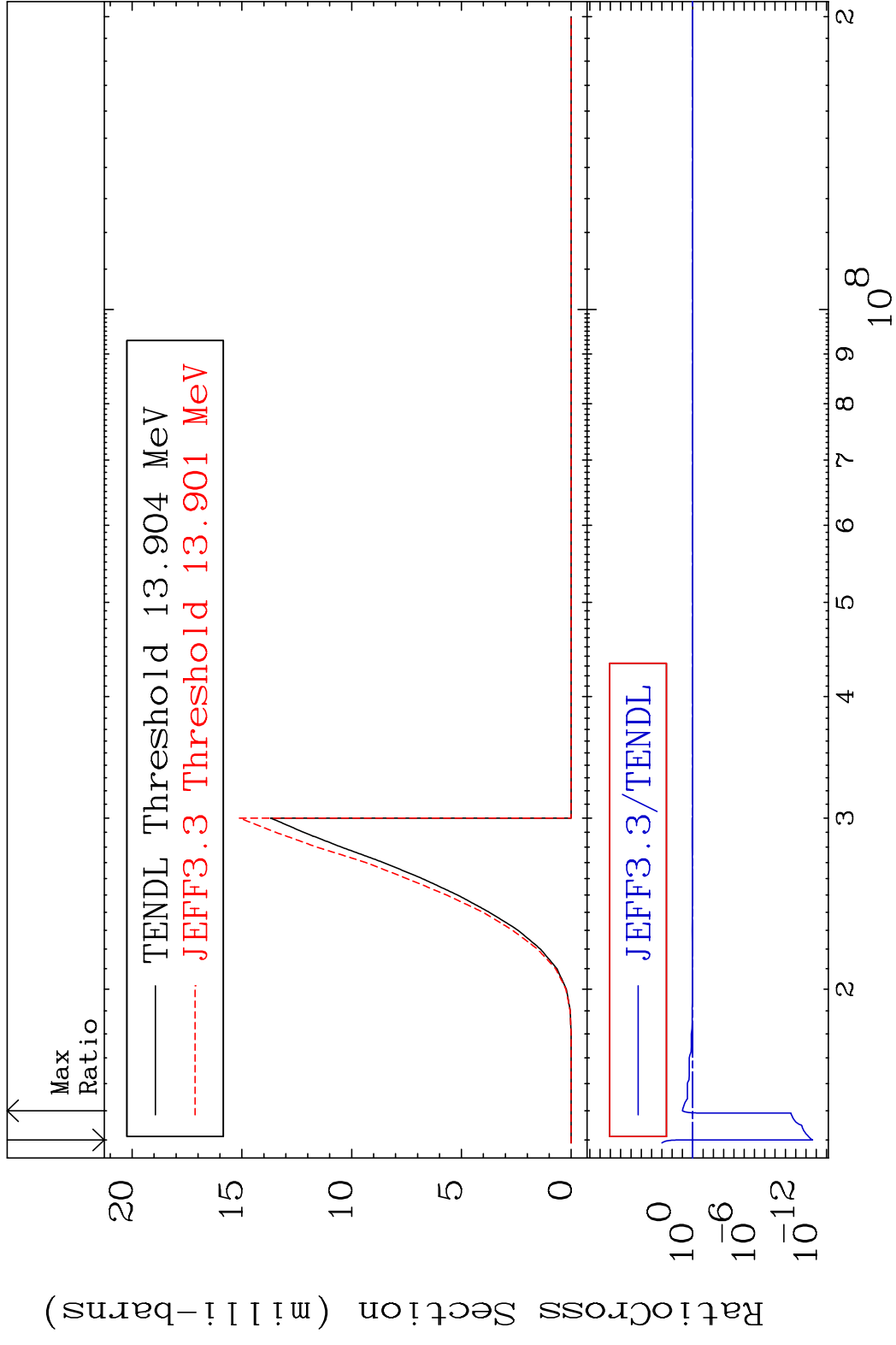
Dpa inelastic (mt51-91) 44-Ru-101
Cross Section -11.96 To 0.539 %



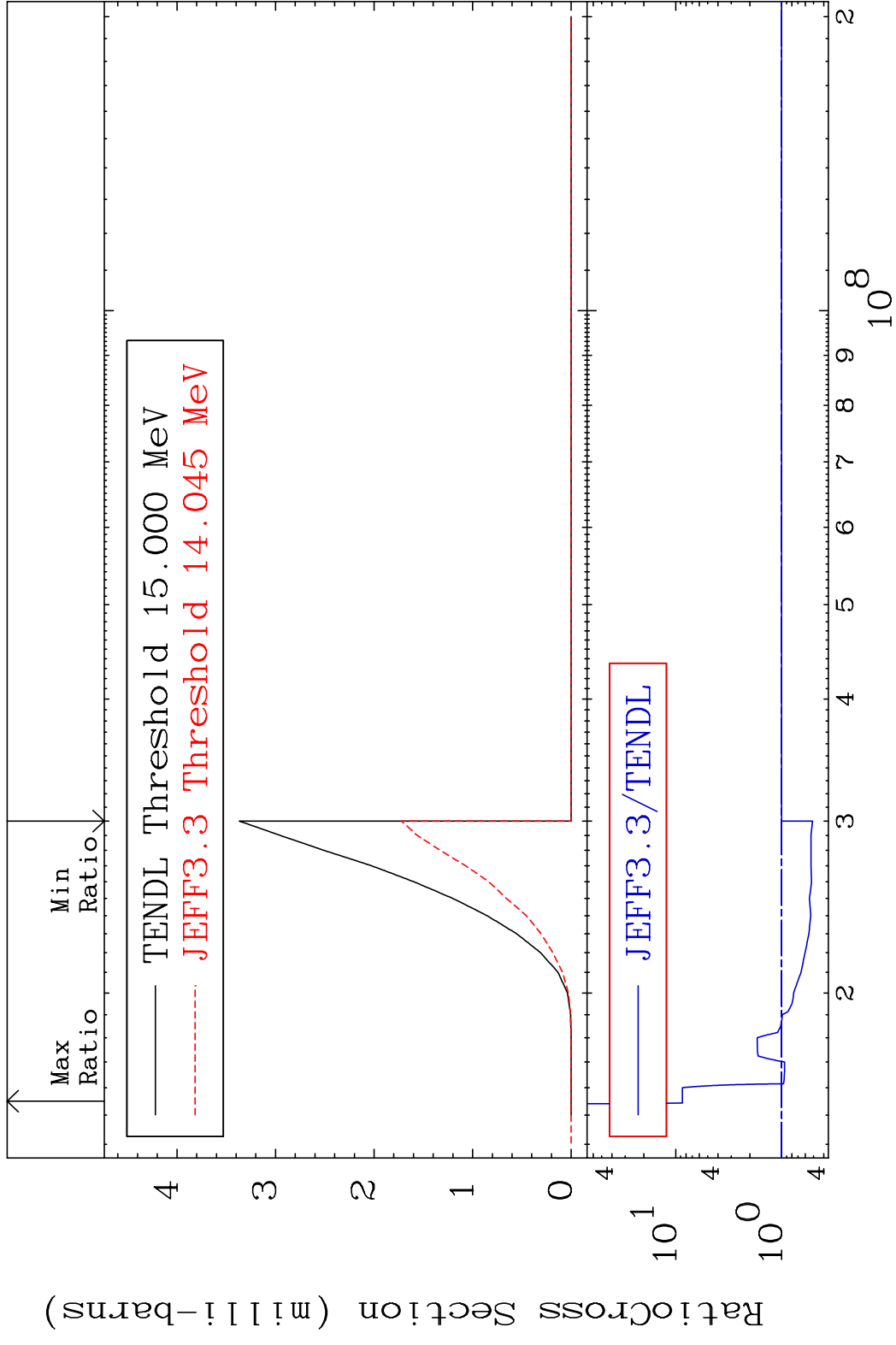
MAT 4440 Dpa disappearance (mt102 -120) 44-Ru-101
 Cross Section -98.71 To 9999. %

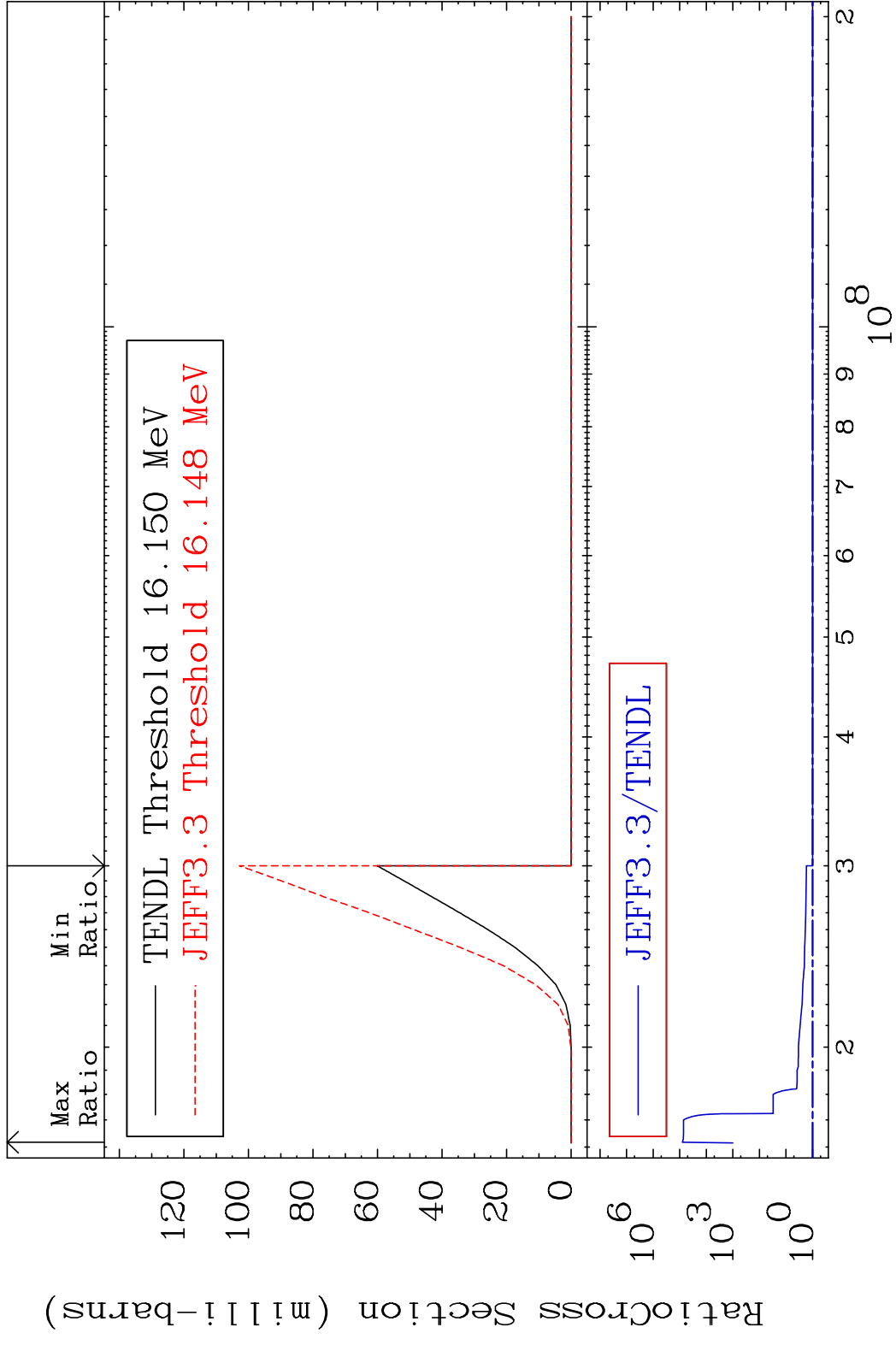


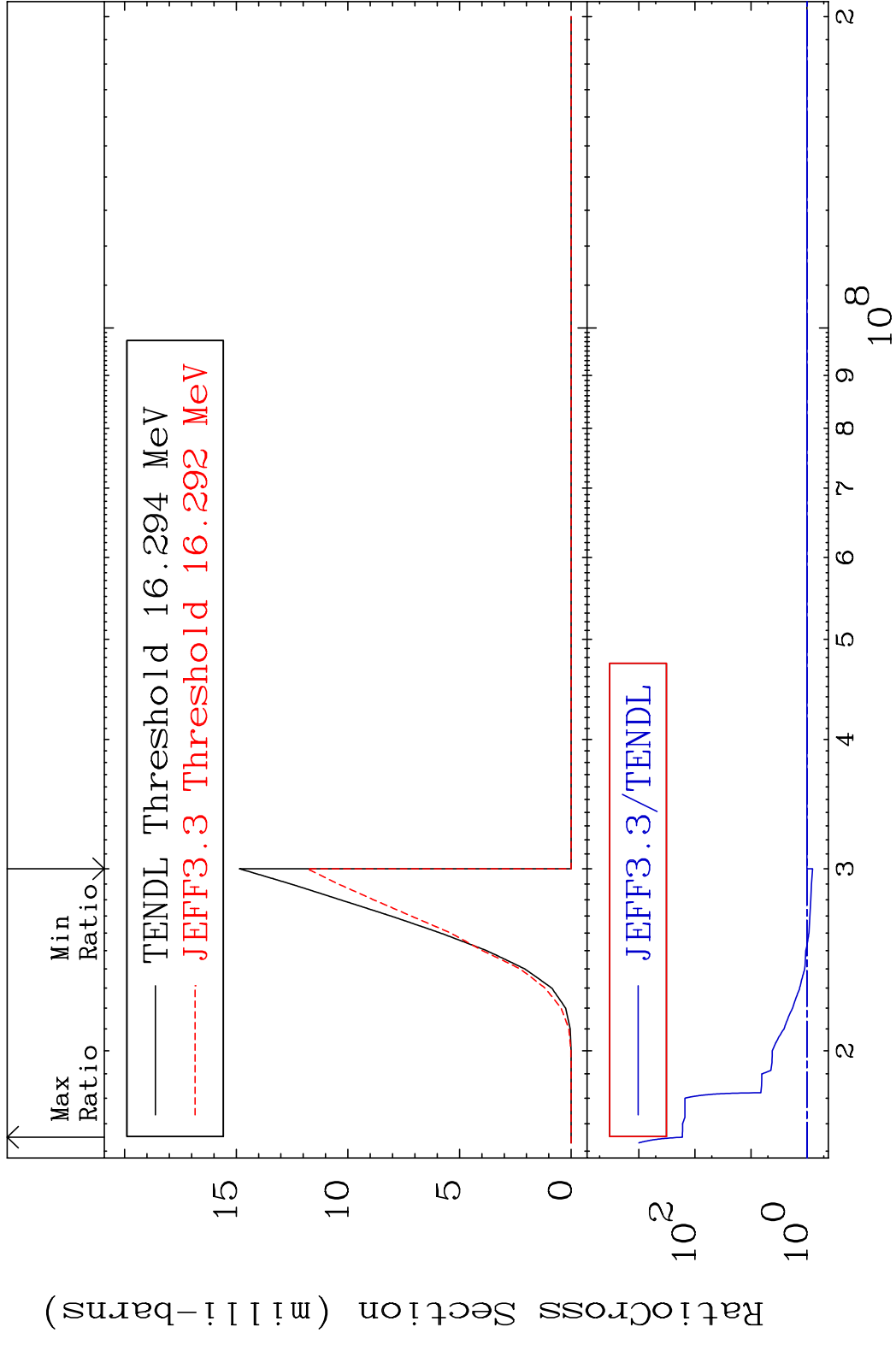
MAT 4440 (n, n') d:43-Tc-99g 44-Ru-101
 Radionuclide Production Cross Section 180.01 dth 922.9 %



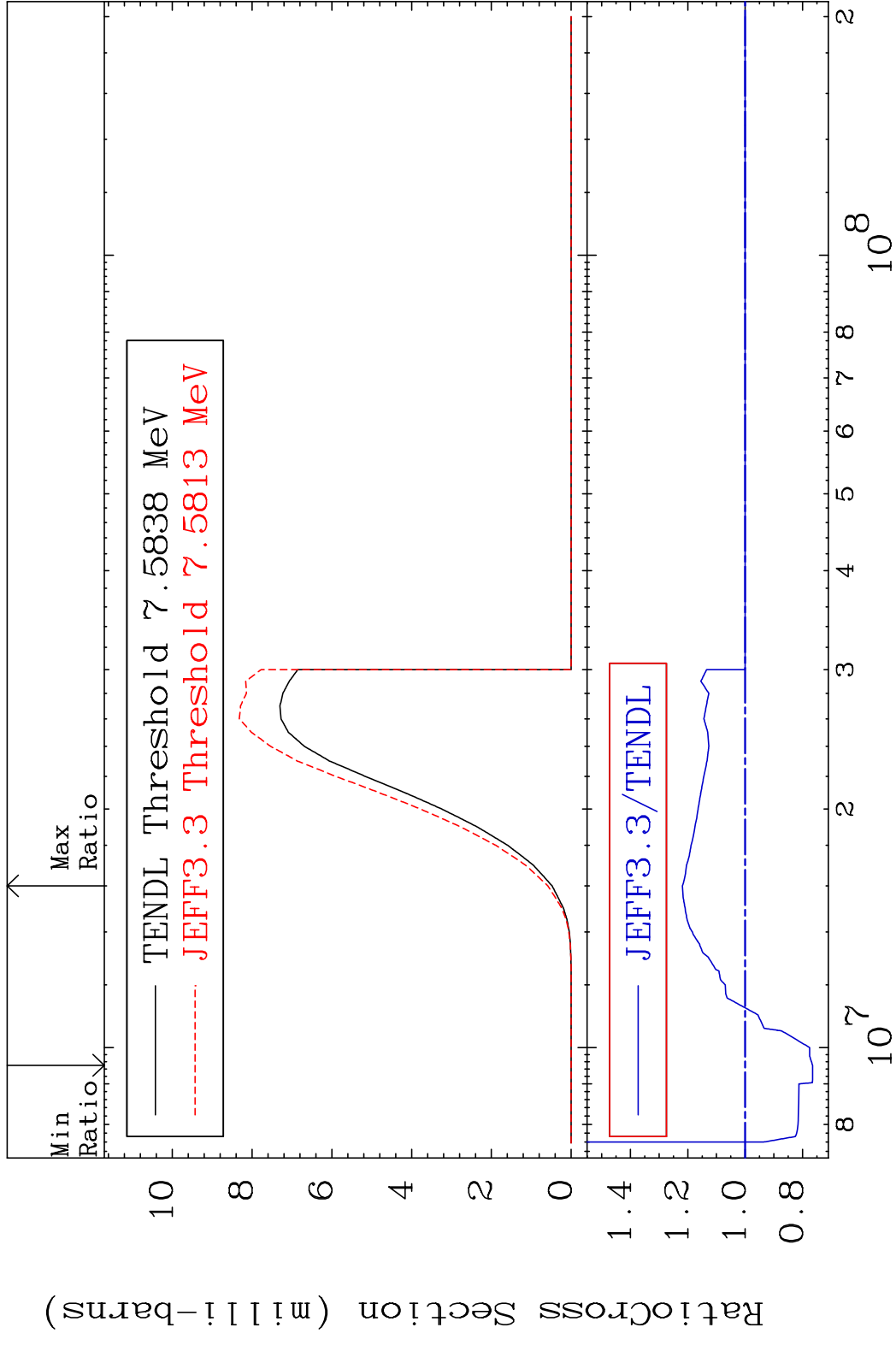
MAT 4440 (n, n') d:43-Tc-99m2 44-Ru-101
 Radionuclide Production Cross Section 48.65 dno 765.0 %







MAT 4440 (n, t): 43-Tc-99g 44-Ru-101
 Radionuclide Production Cross Section 21.89 %



MAT 4440 (n,t):43-Tc-99m2 44-Ru-101
 Radionuclide Production Cross Section 0.000 %

