

Program Complot
(Version 2021-1)

by

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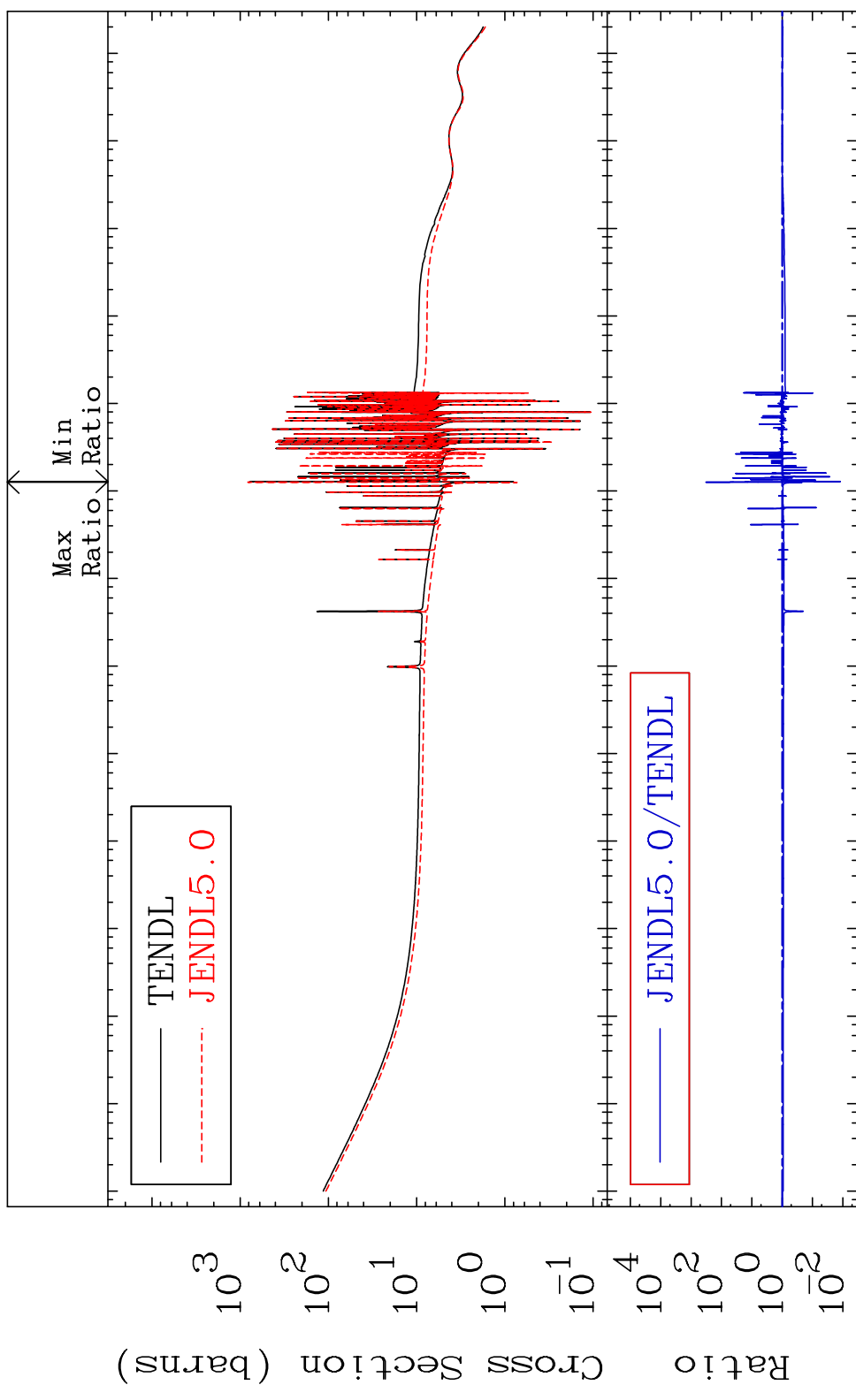
Press Mouse Button to Start

MAT 4443

Total

44-Ru-102

Cross Section -98.80 To 9999. %



1

Incident Energy (eV)

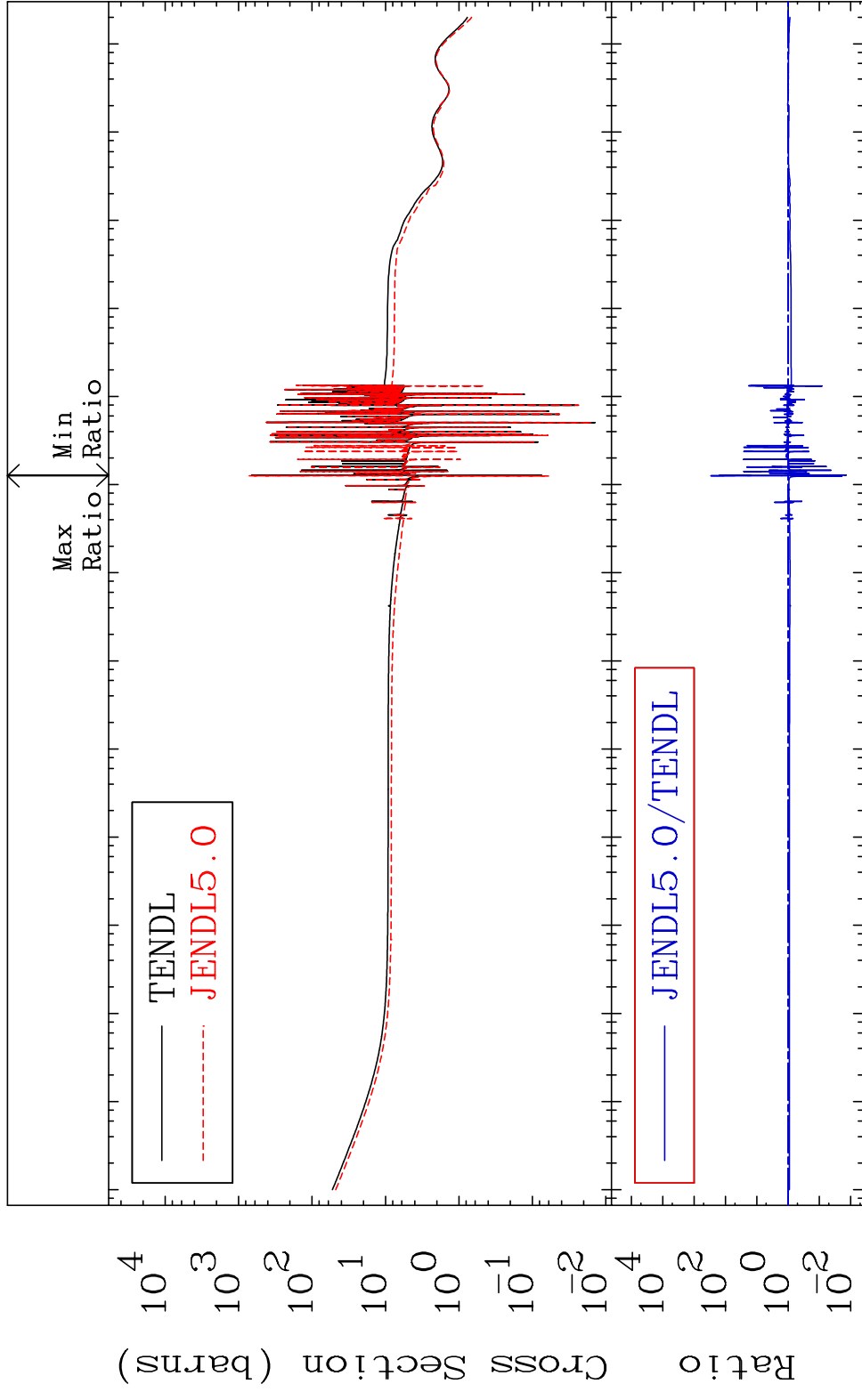
44-Ru-102

MAT 4443

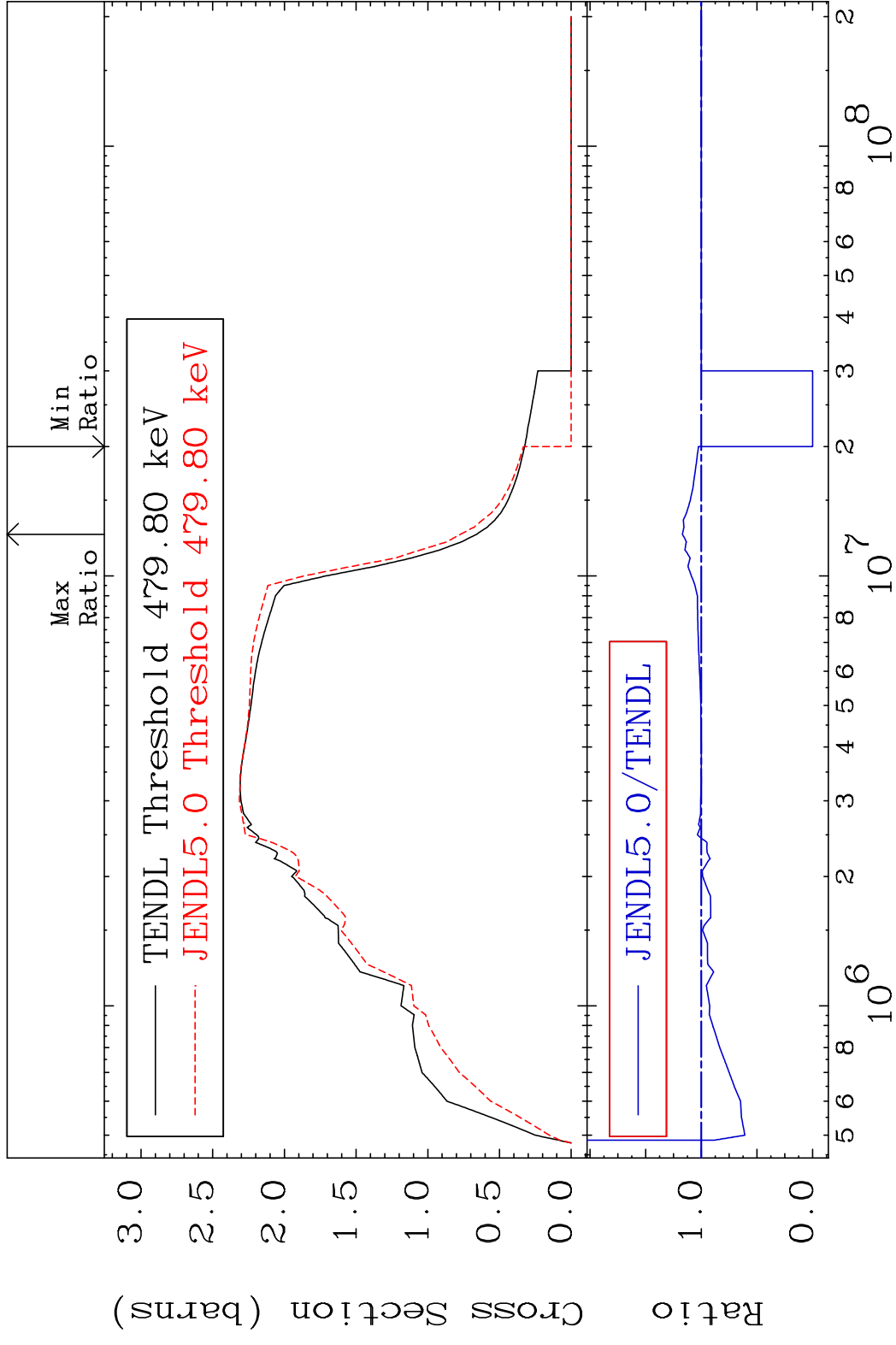
Elastic

44-Ru-102

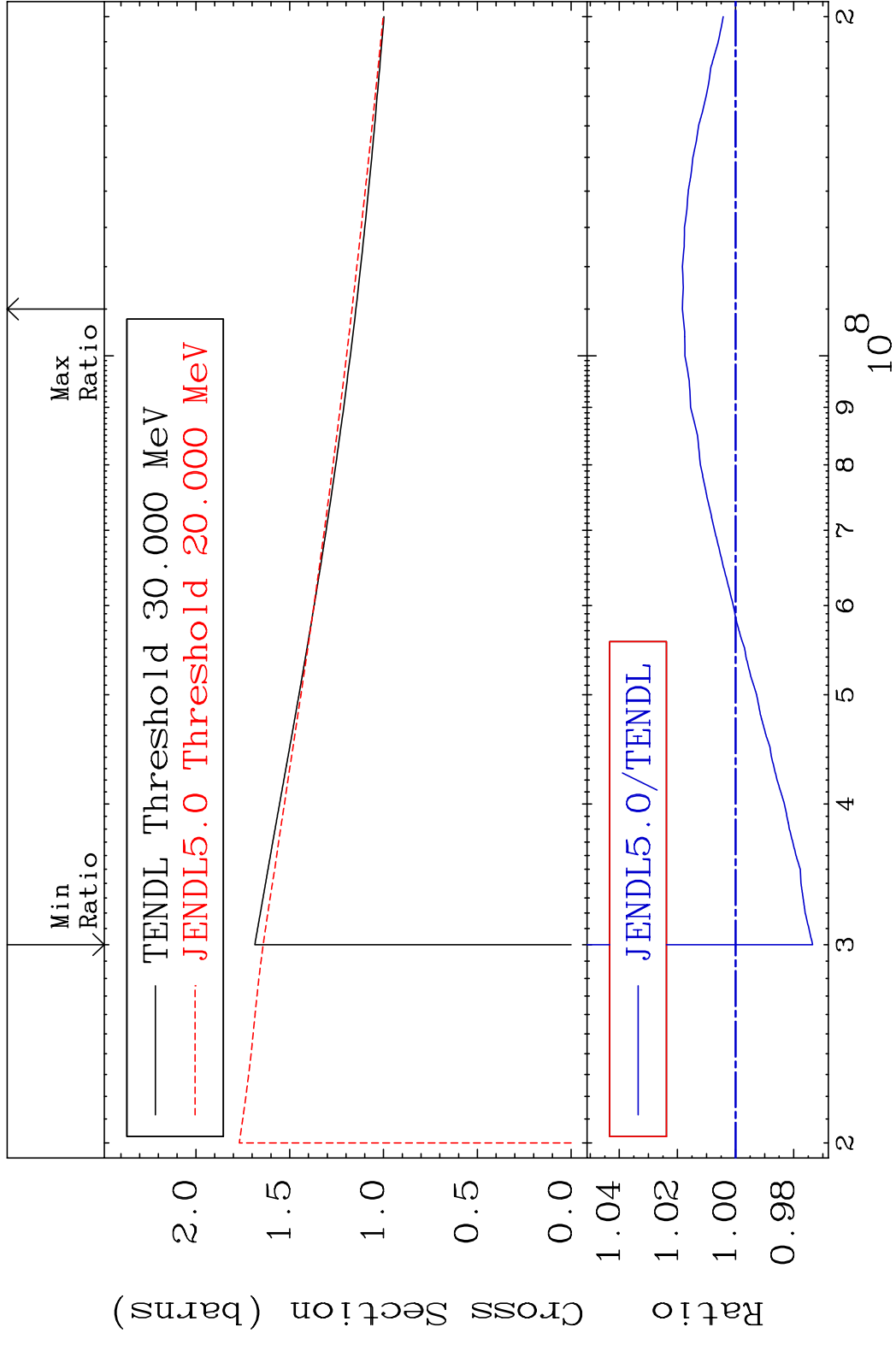
Cross Section -98.62 To 9999. %



MAT 4443 Inelastic 44-Ru-102
 Cross Section -100.0 To 17.02 %



MAT 4443 (n, remainder) 44-Ru-102
 Cross Section -2.649 To 1.831 %



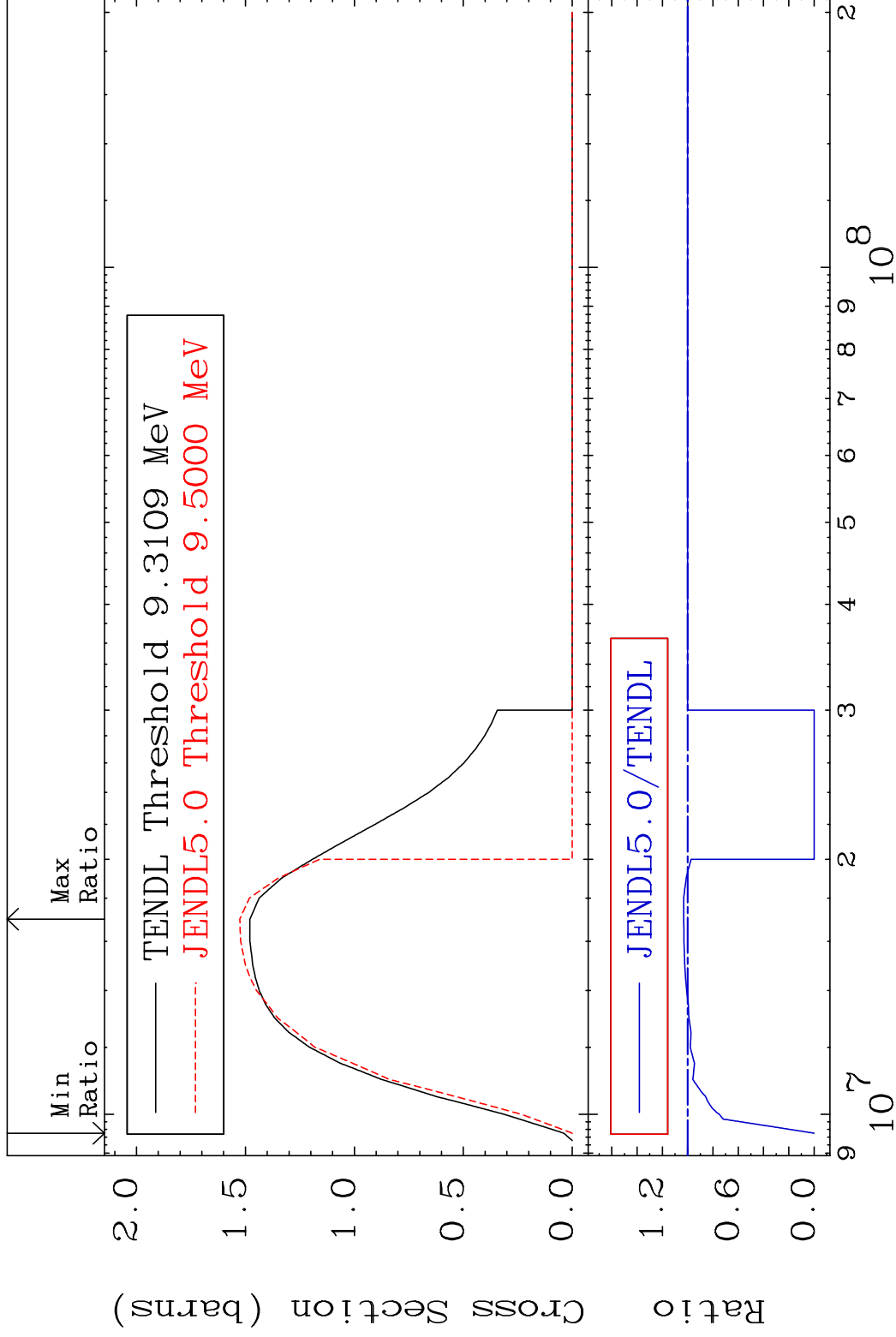
4 Incident Energy (eV) 44-Ru-102

MAT 4443

(n,2n)

44-Ru-102

Cross Section -100.0 To 3.153 %

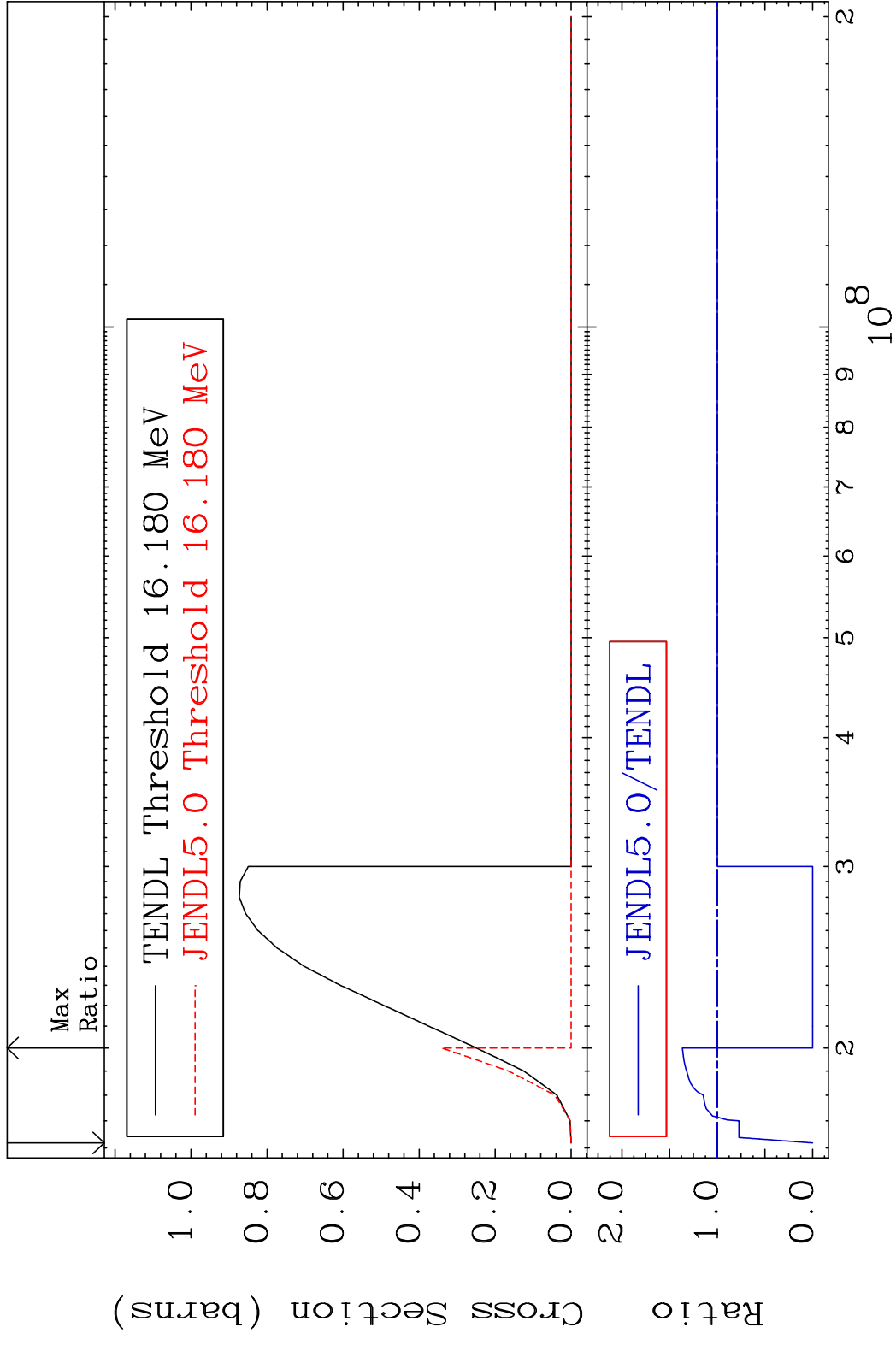


5

Incident Energy (eV)

44-Ru-102

MAT 4443 (n,3n) 44-Ru-102
 Cross Section -100.0 To 36.60 %

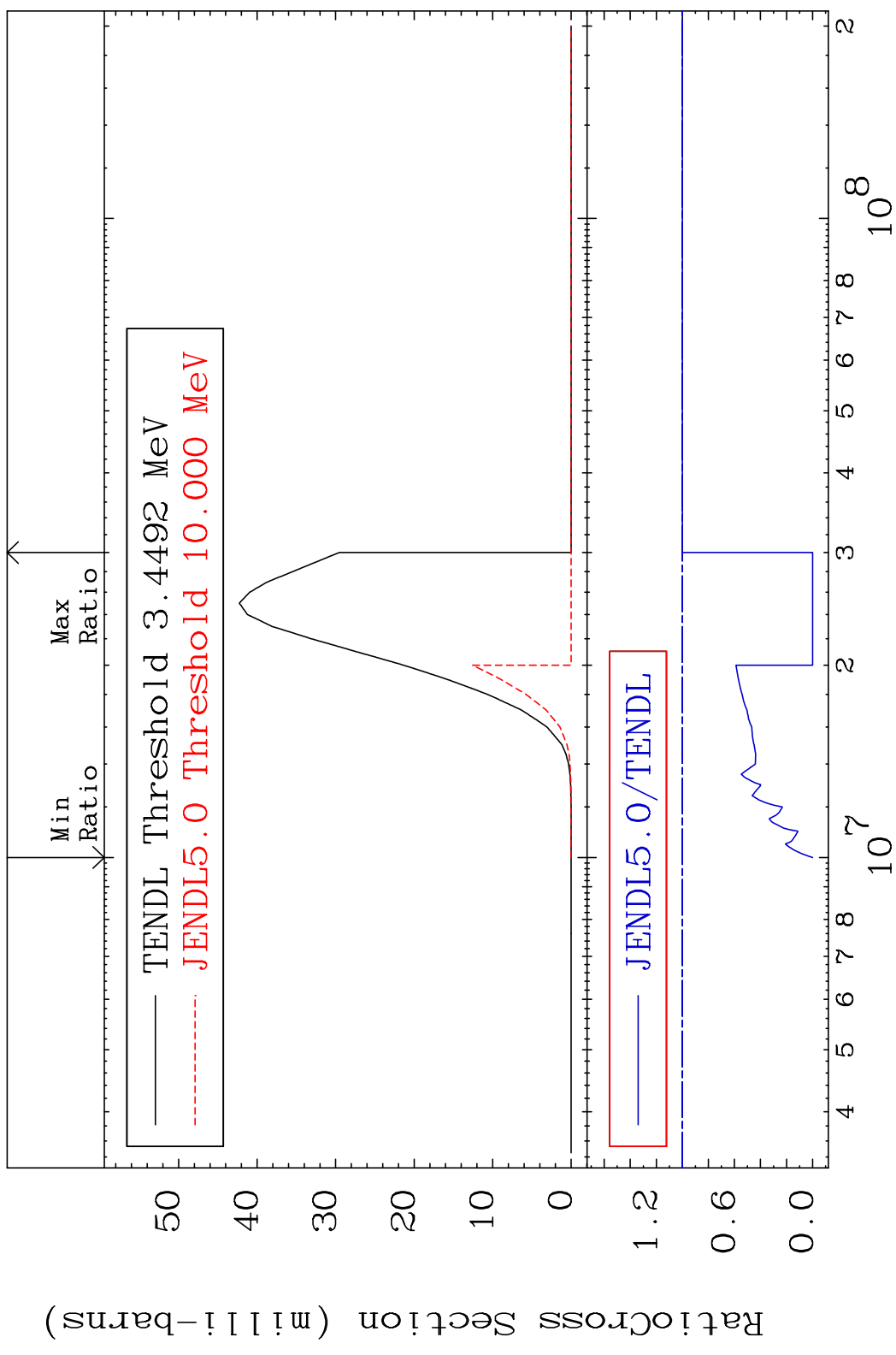


MAT 4443

(n, n') α

44-Ru-102

Cross Section -100.0 To 0.000 %

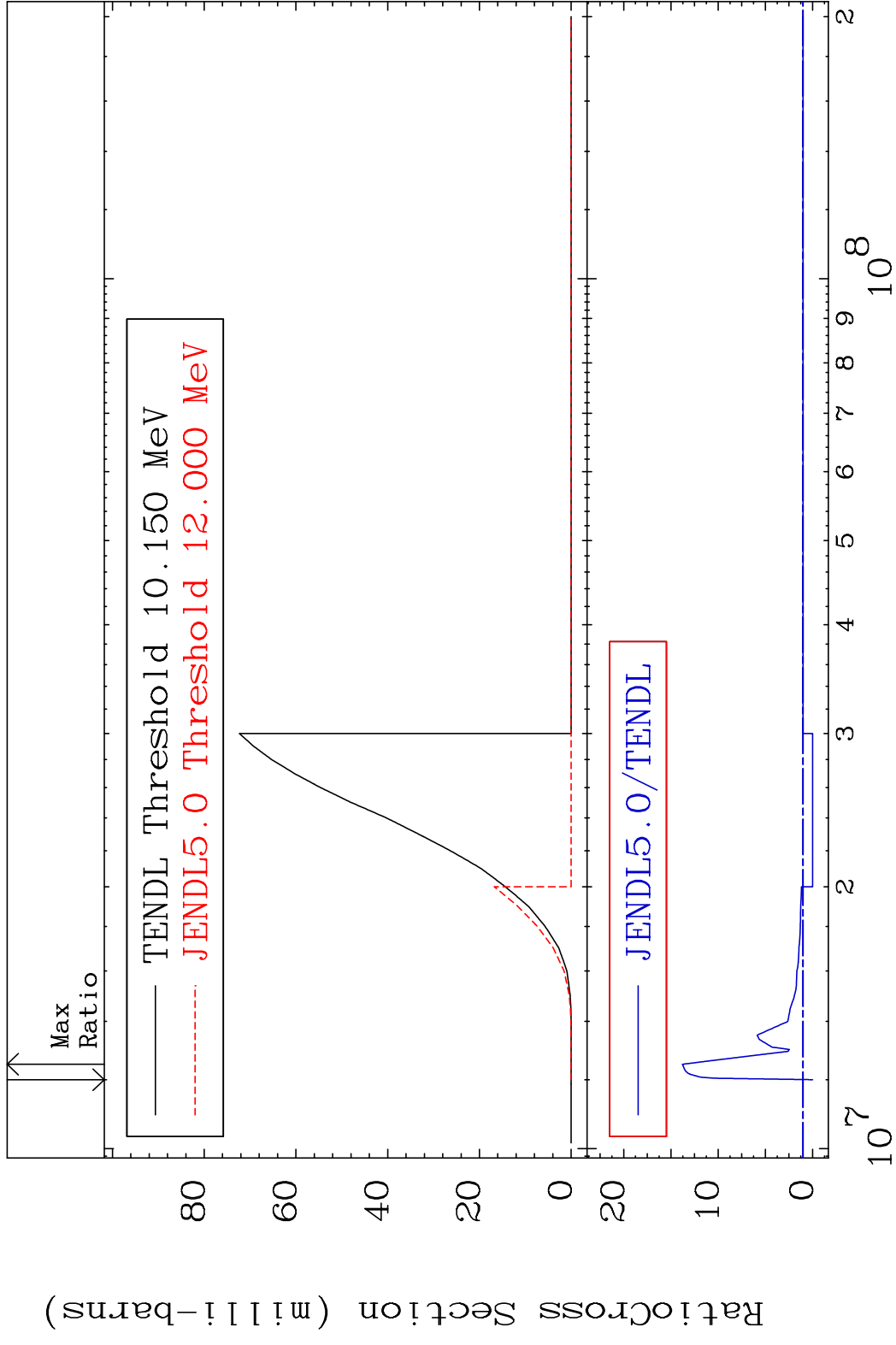


MAT 4443

(n, n') p

44-Ru-102

Cross Section -100.0 To 1279. %



8

Incident Energy (eV)

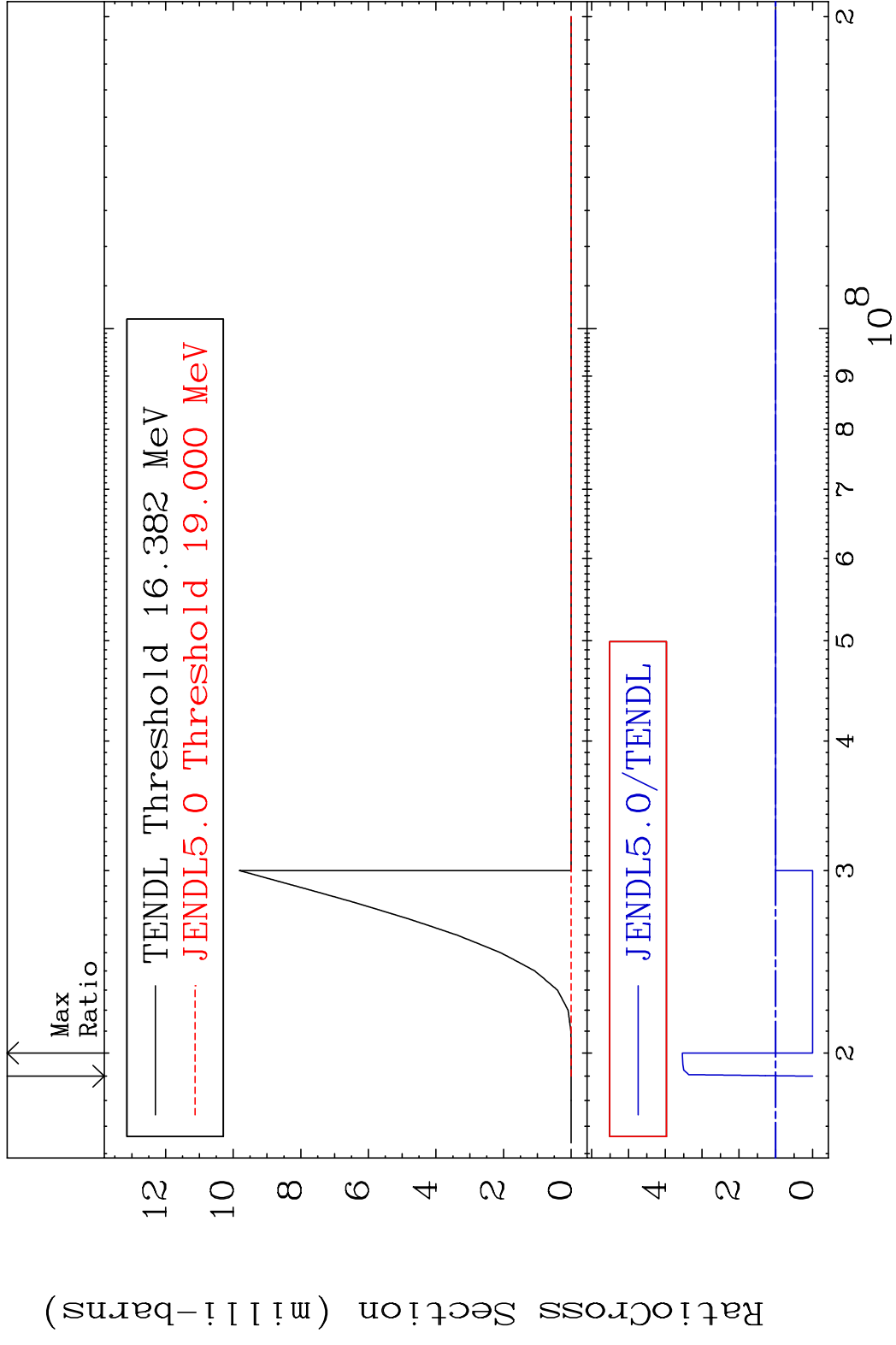
44-Ru-102

MAT 4443

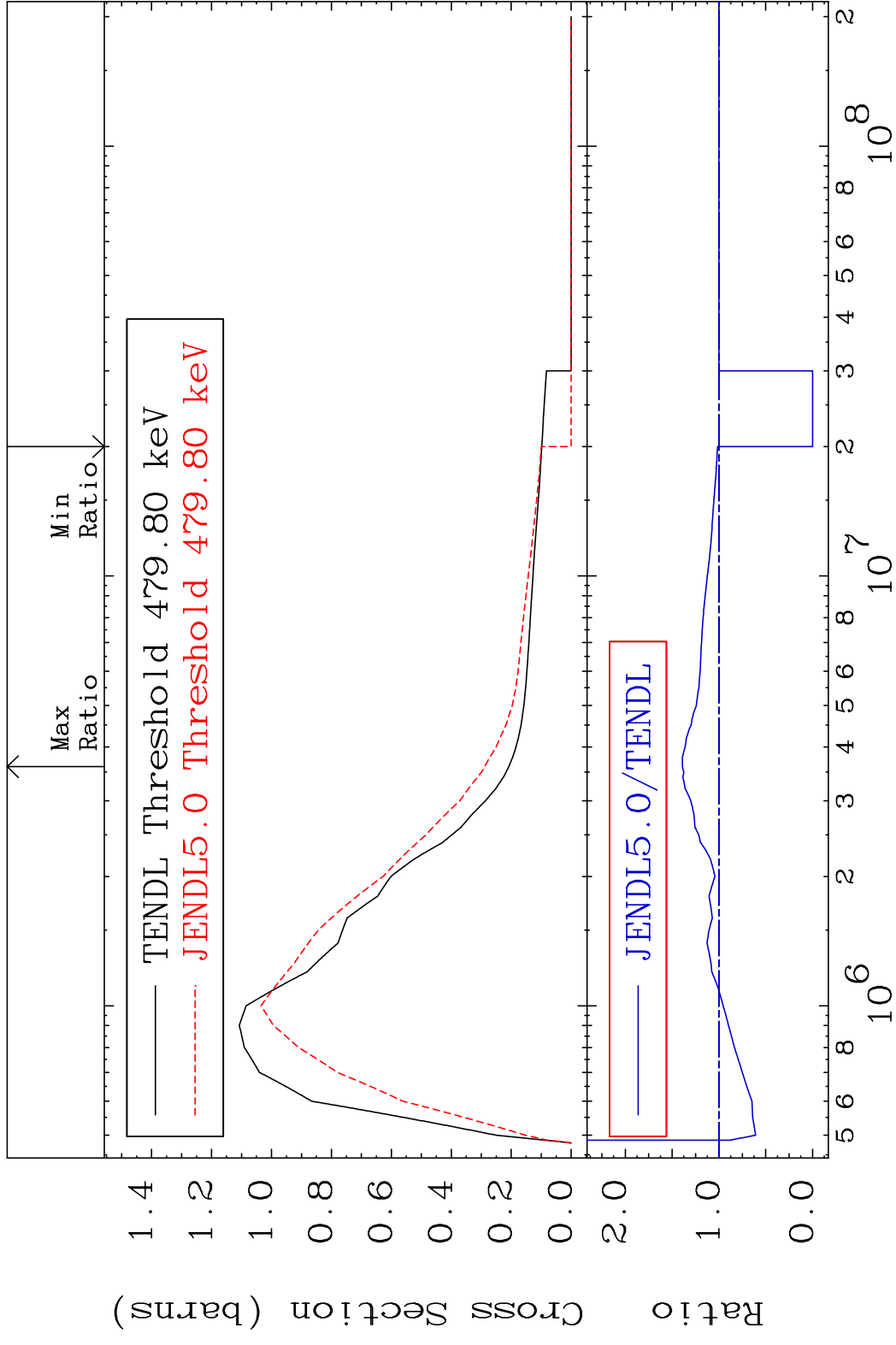
(n, n') d

44-Ru-102

Cross Section -100.0 To 253.6 %

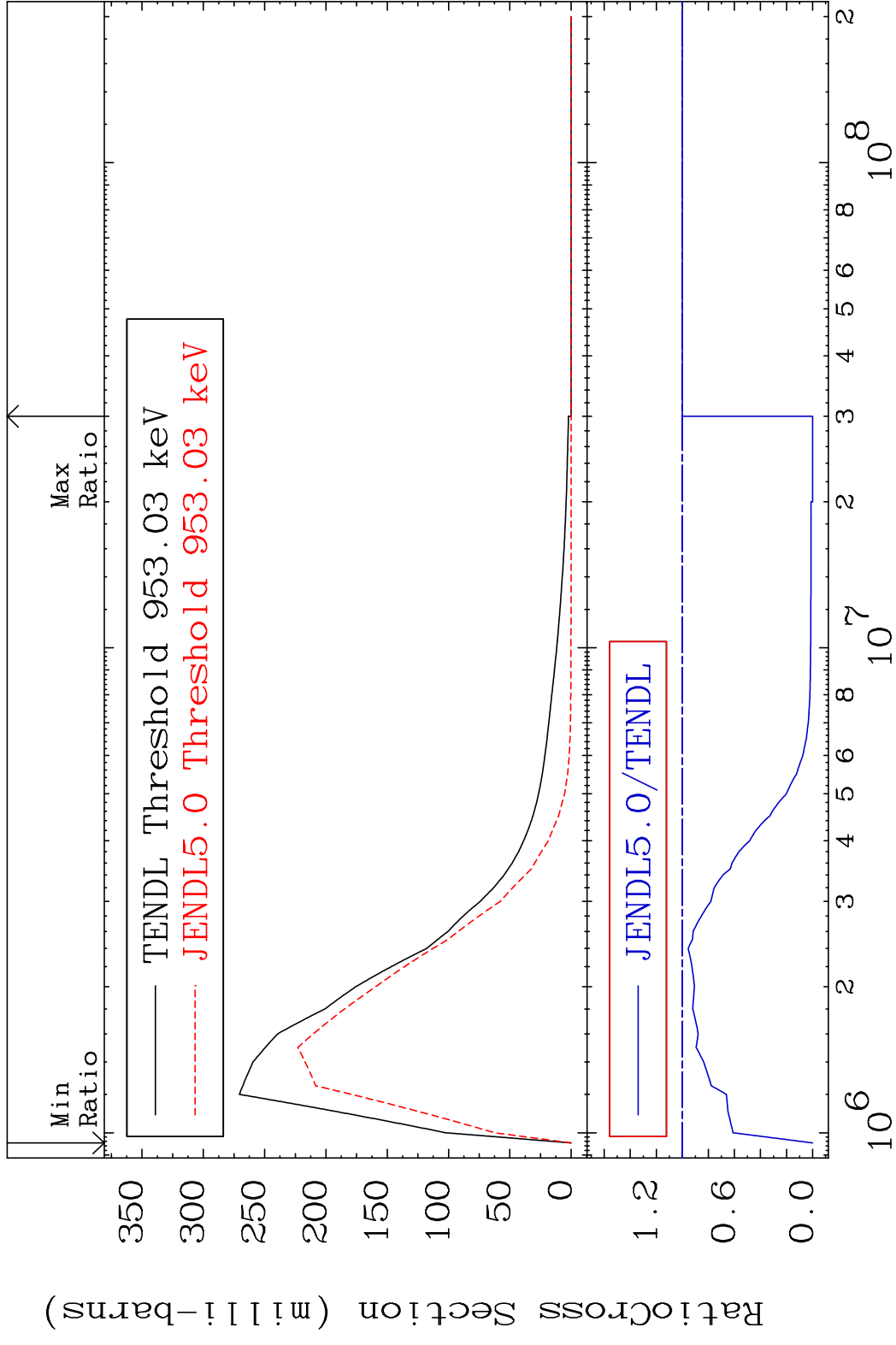


MAT 4443 MT= 51 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 39.05 %

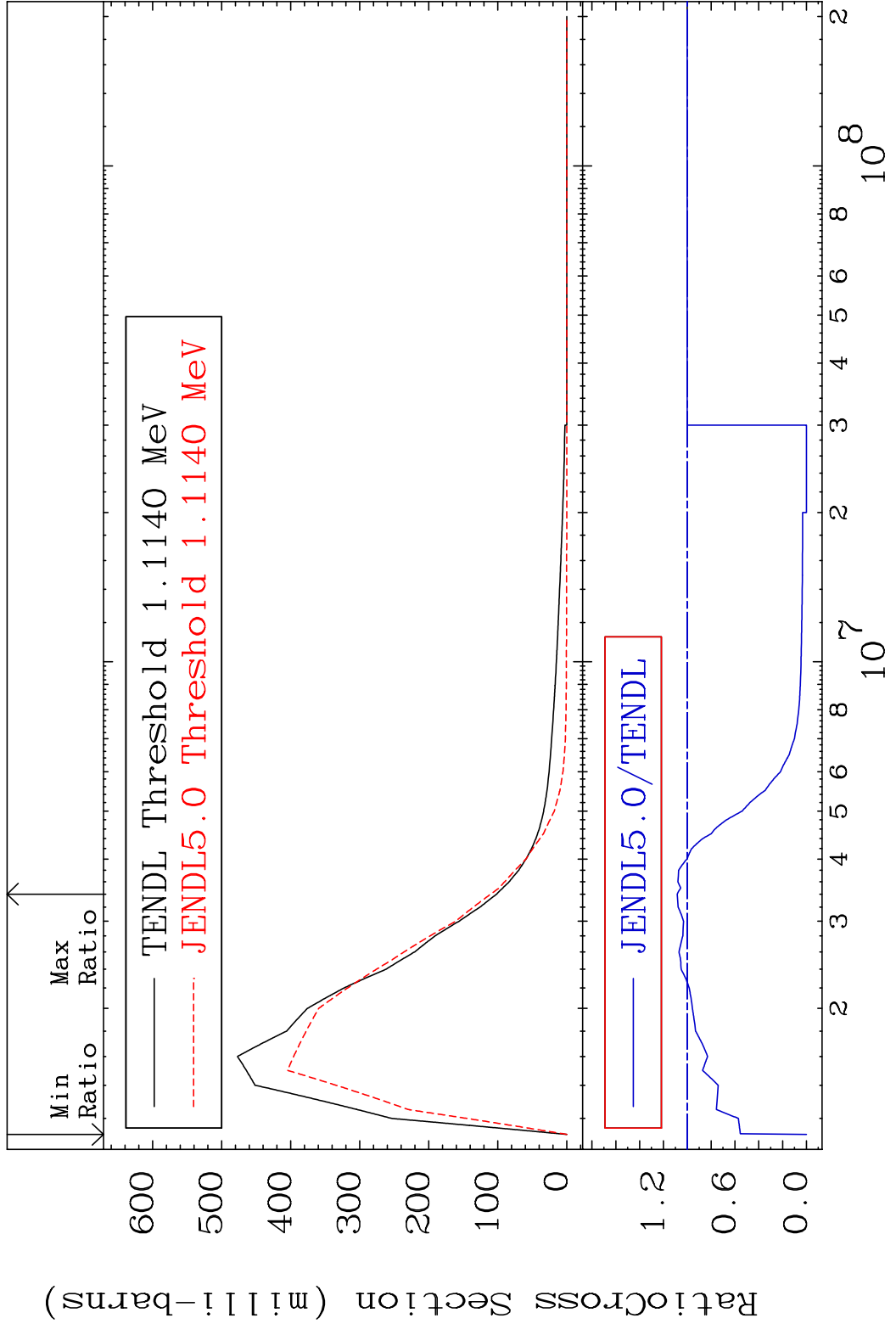


10 Incident Energy (eV) 44-Ru-102

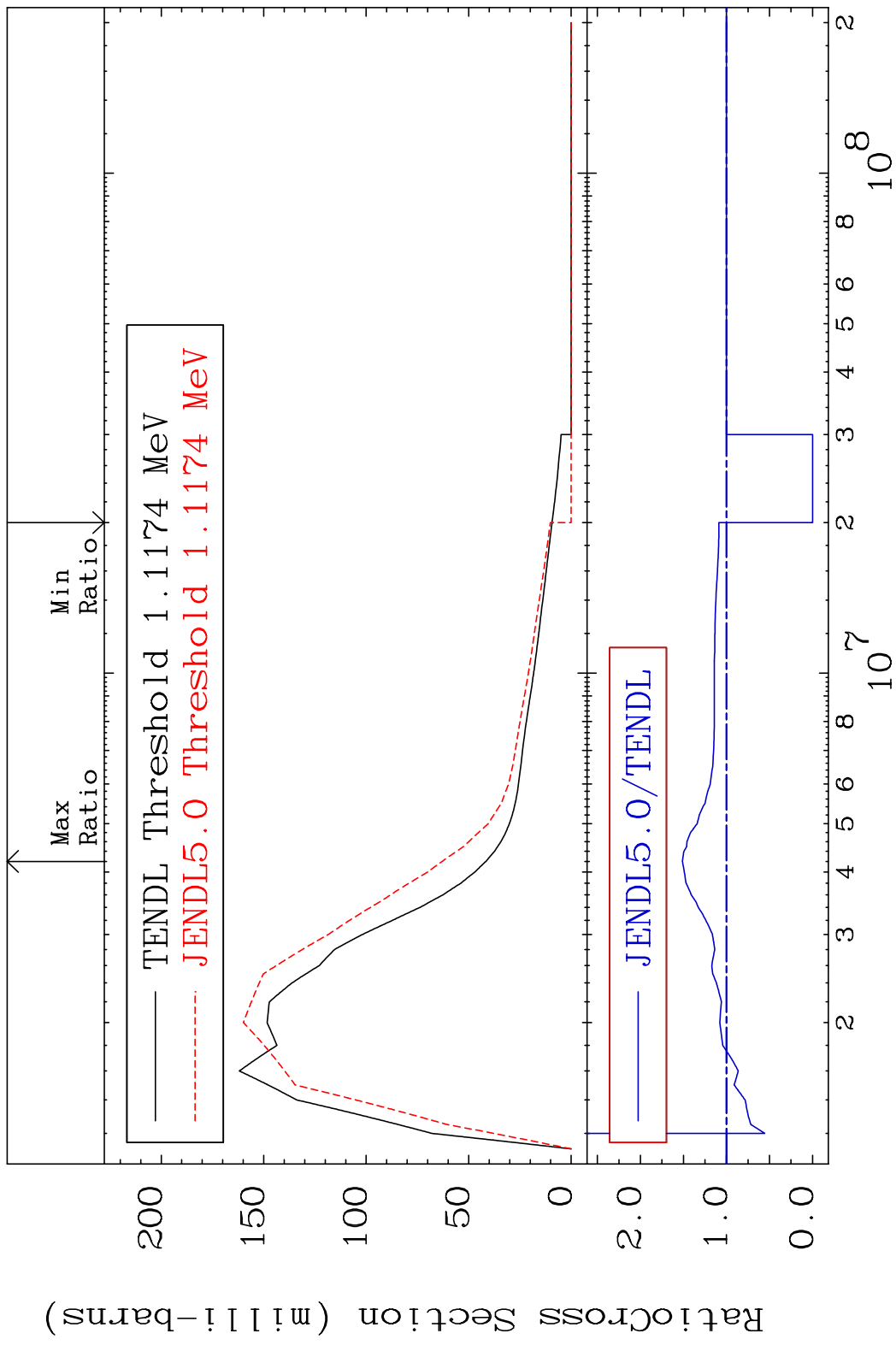
MAT 4443 MT= 52 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 0.000 %



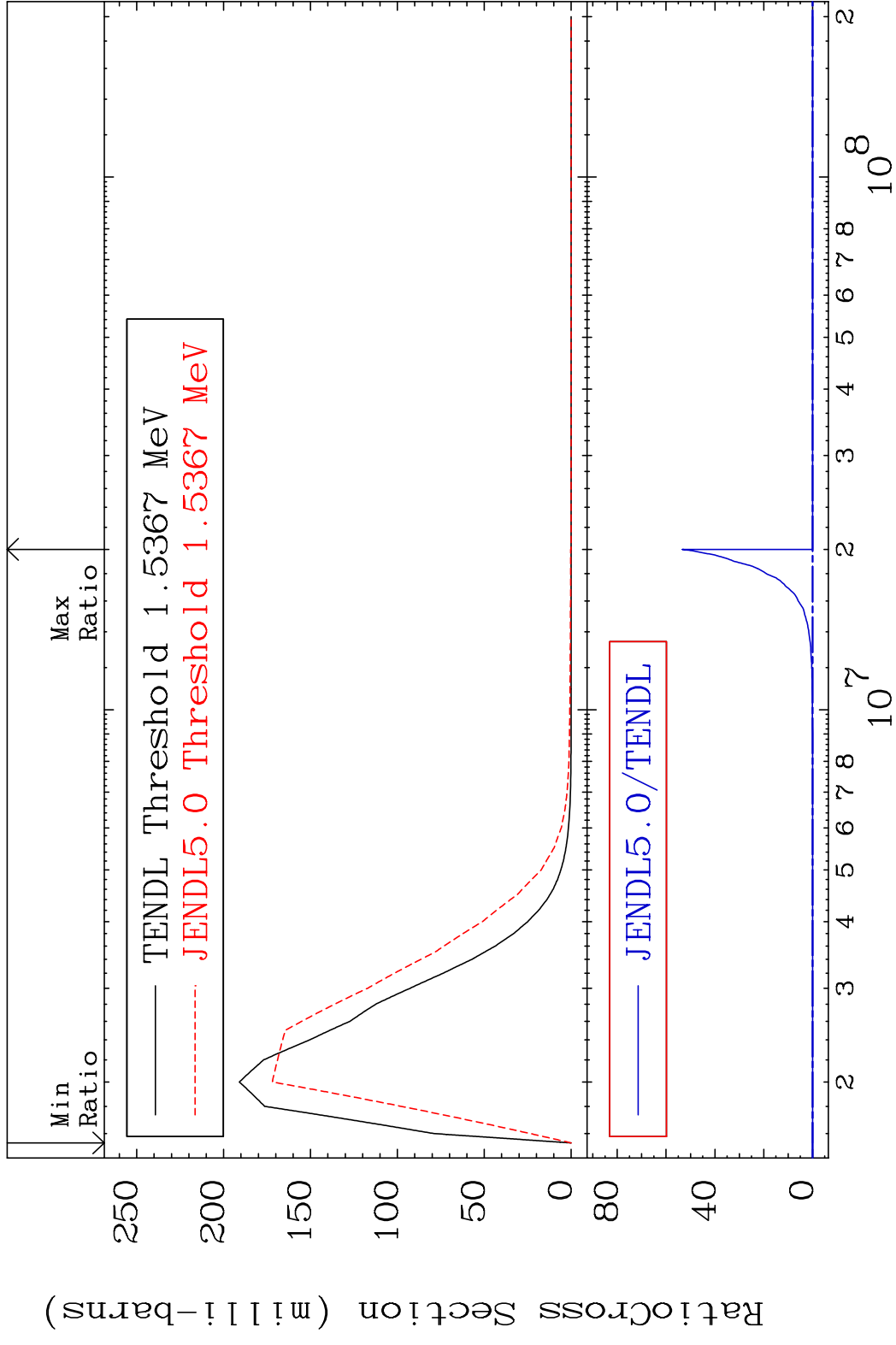
MAT 4443 MT= 53 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 8.460 %



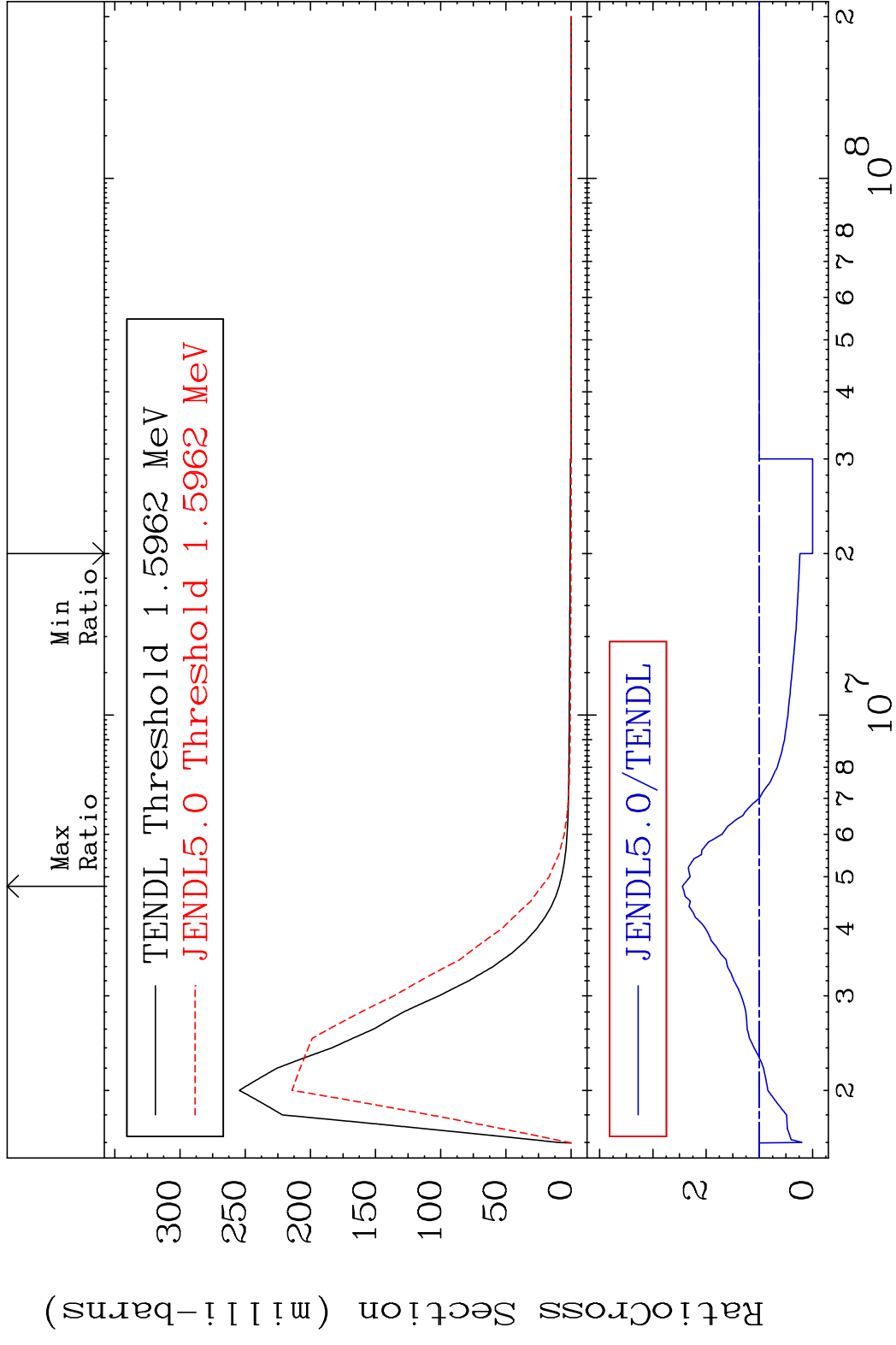
MAT 4443 MT= 54 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 51.26 %



MAT 4443 MT= 55 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 9999. %

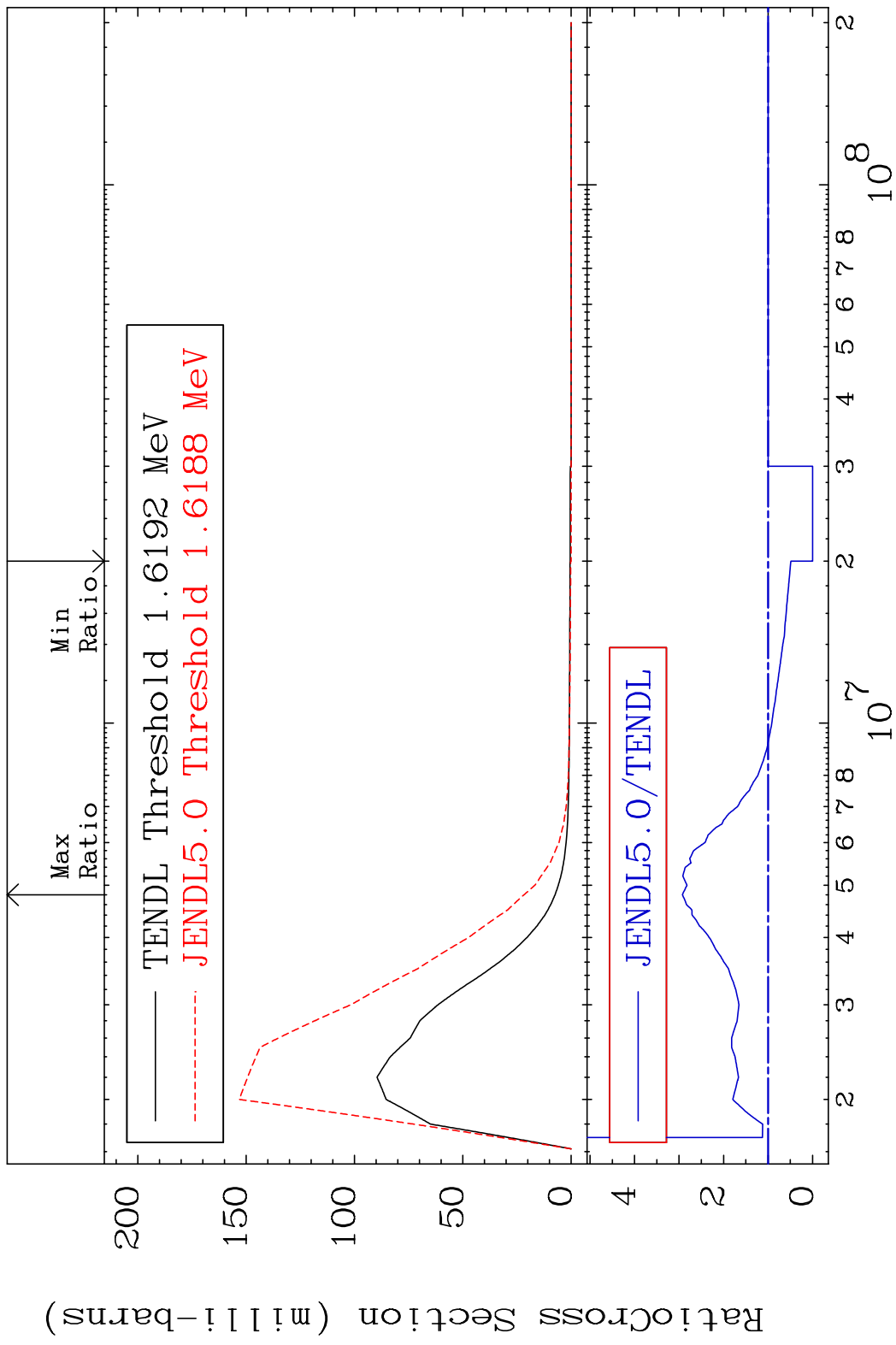


MAT 4443 MT= 56 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 144.7 %

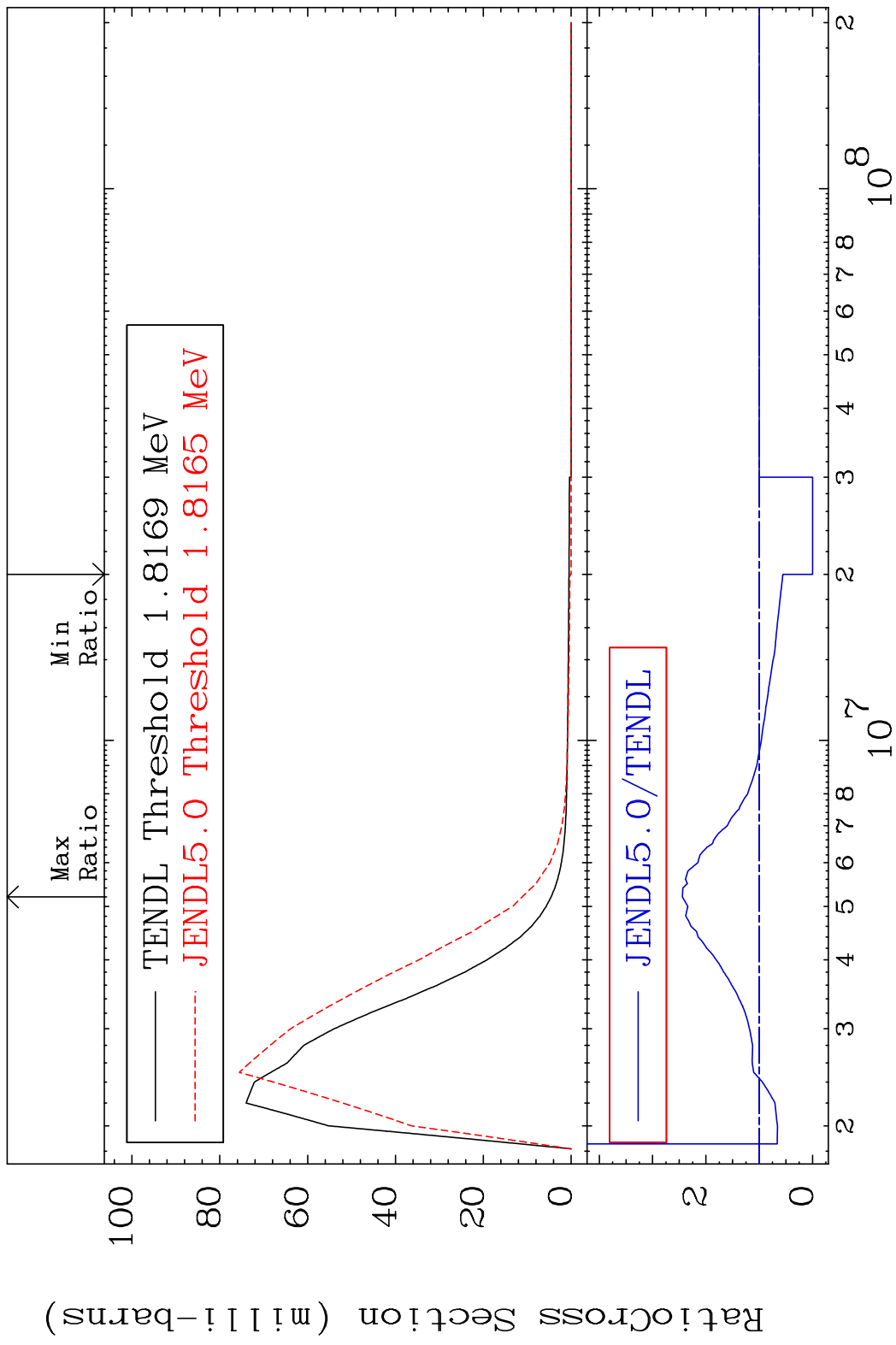


15 Incident Energy (eV) 44-Ru-102

MAT 4443 MT= 57 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 192.6 %

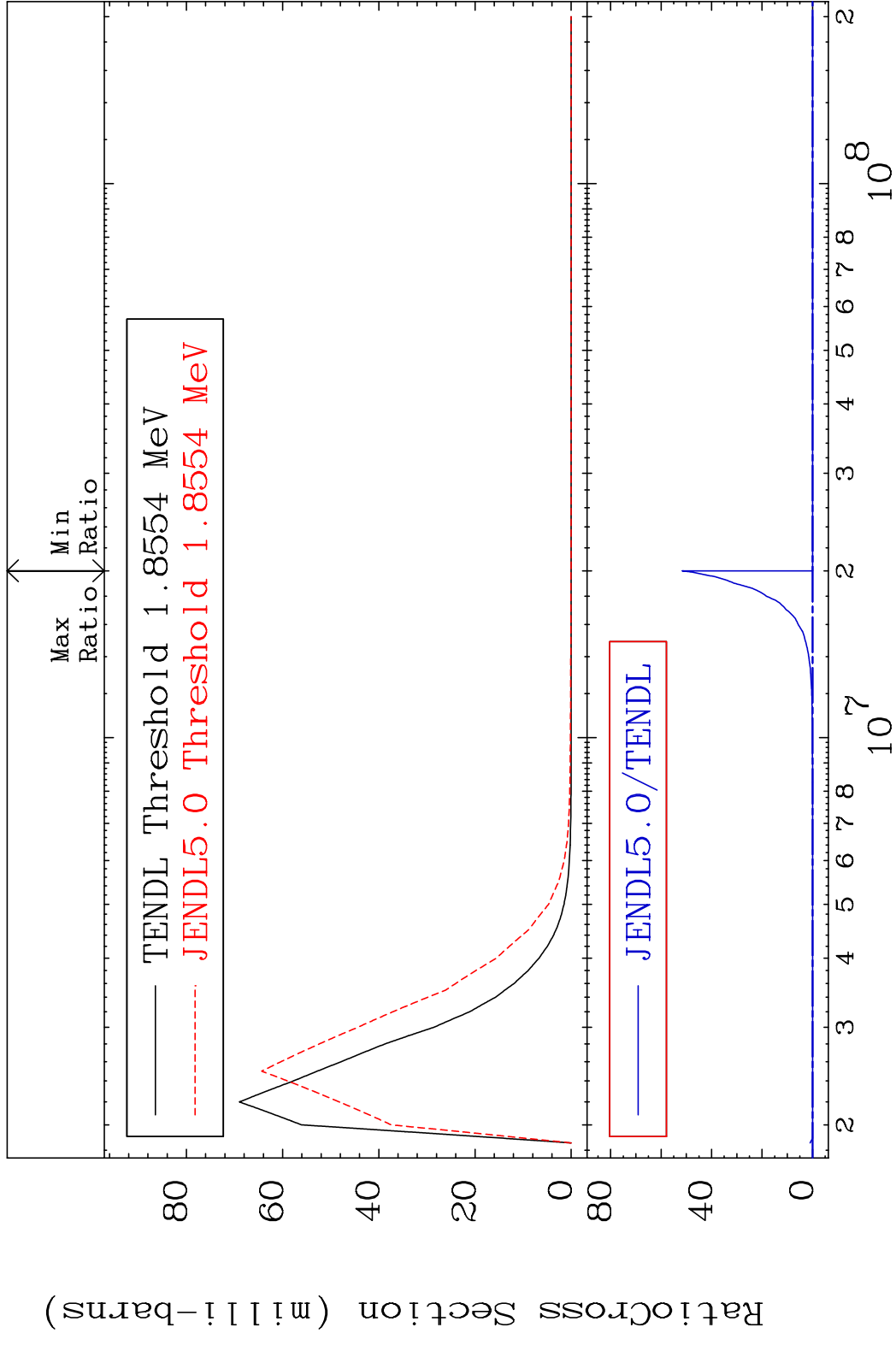


MAT 4443 MT= 58 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 144.2 %



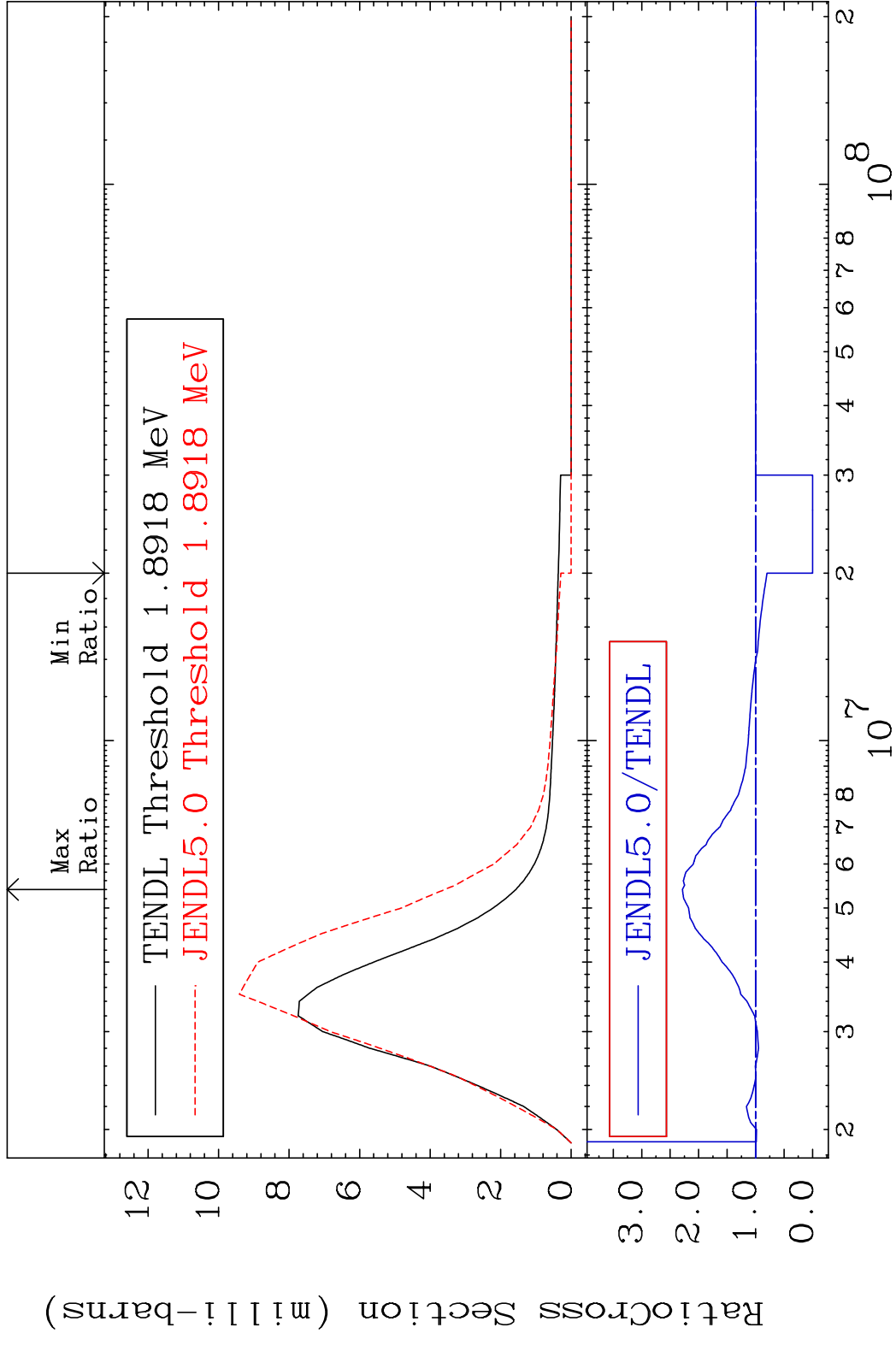
17 44-Ru-102

MAT 4443 MT= 59 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 9999. %

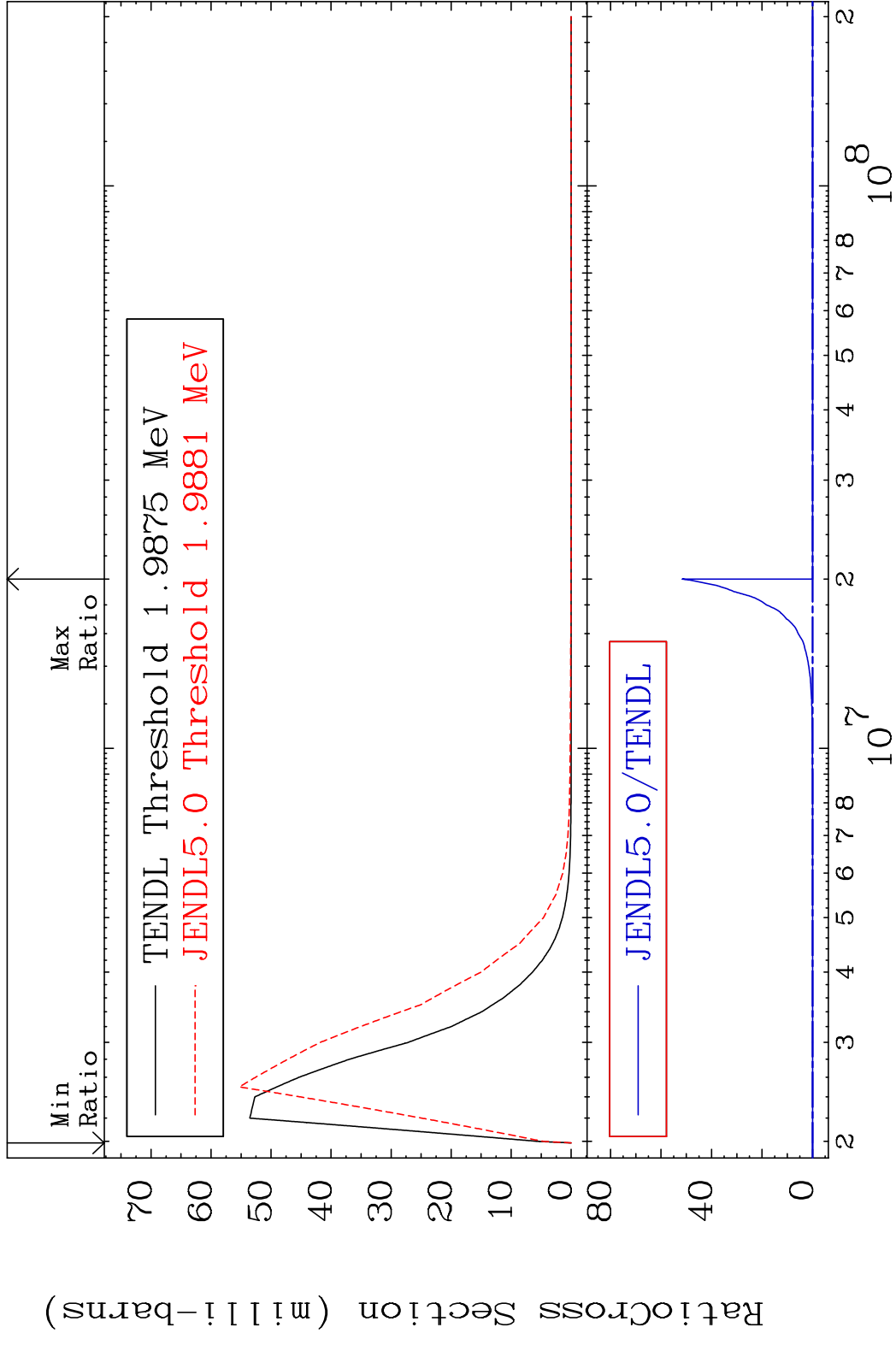


18 44-Ru-102

MAT 4443 MT= 60 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 128.6 %

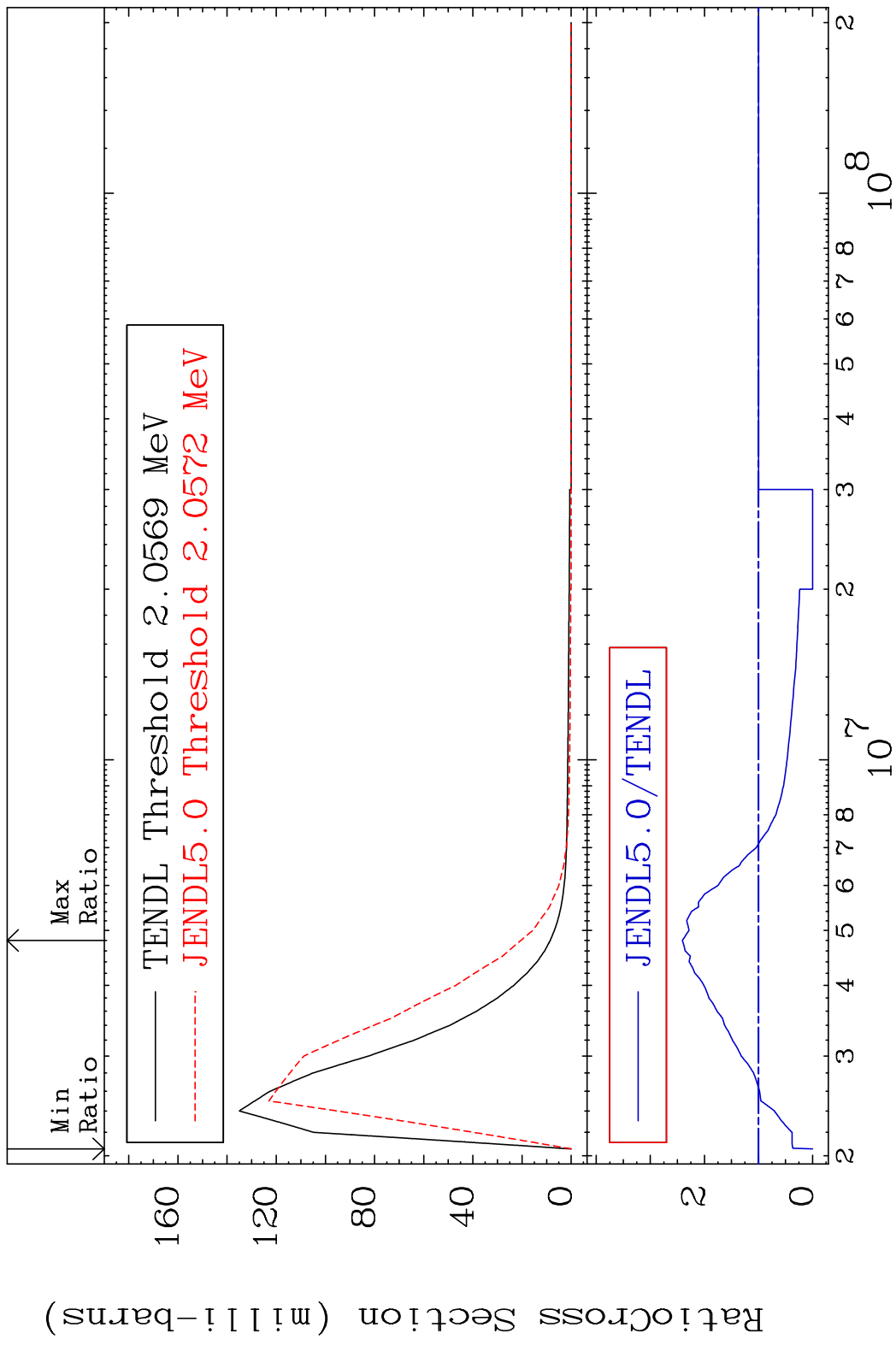


MAT 4443 MT= 61 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 9999. %

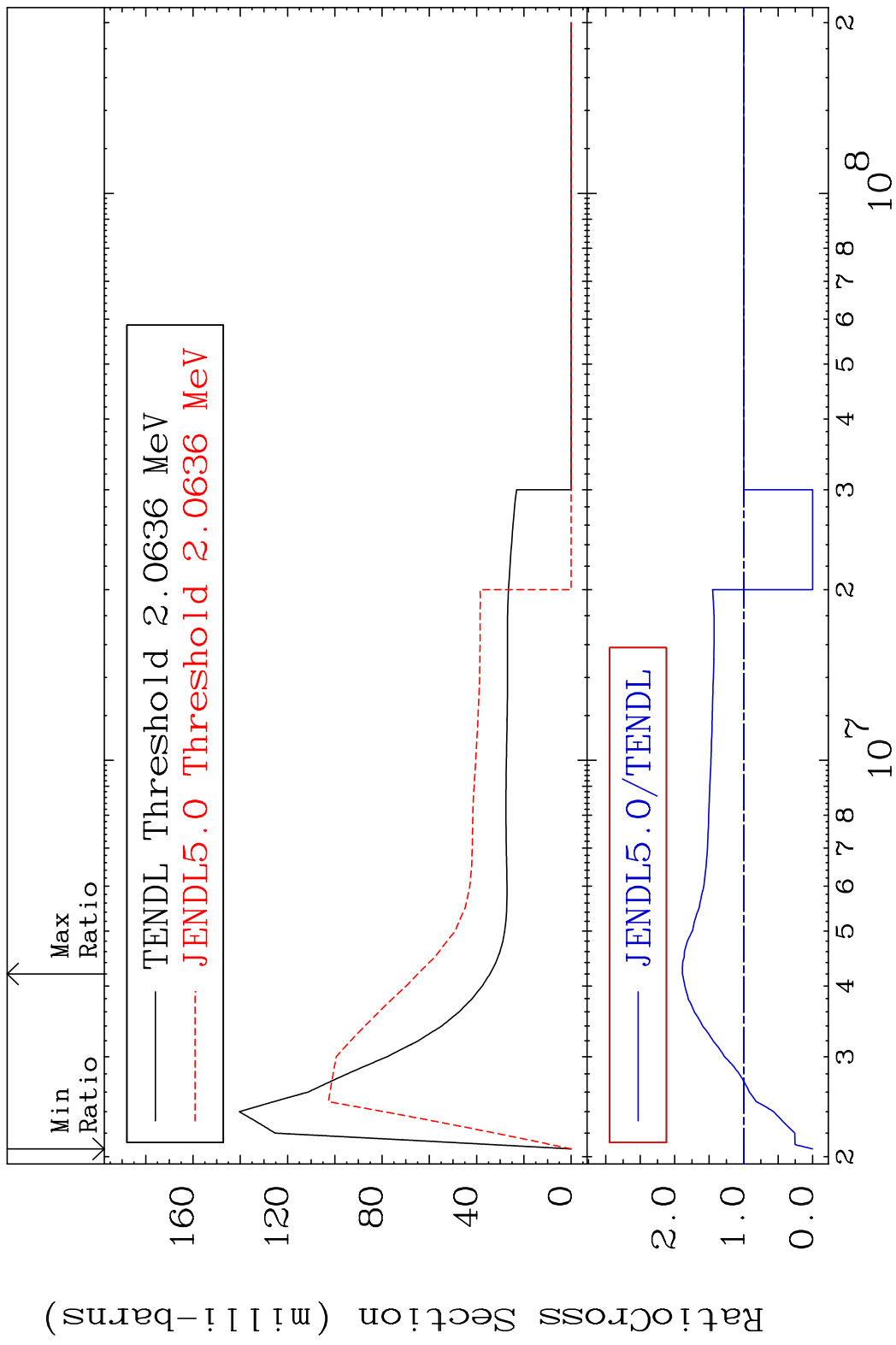


20 44-Ru-102

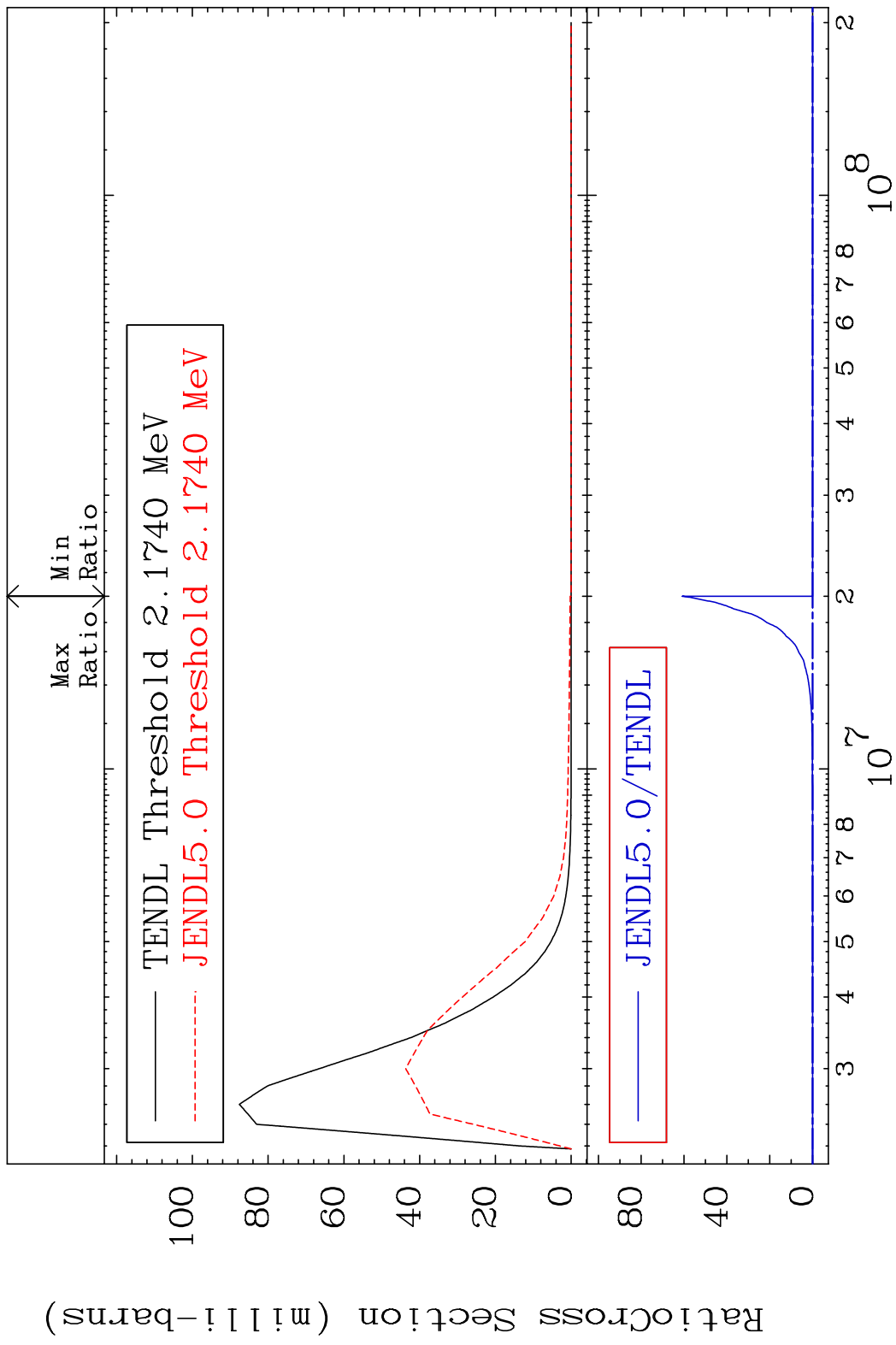
MAT 4443 MT= 62 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 140.8 %



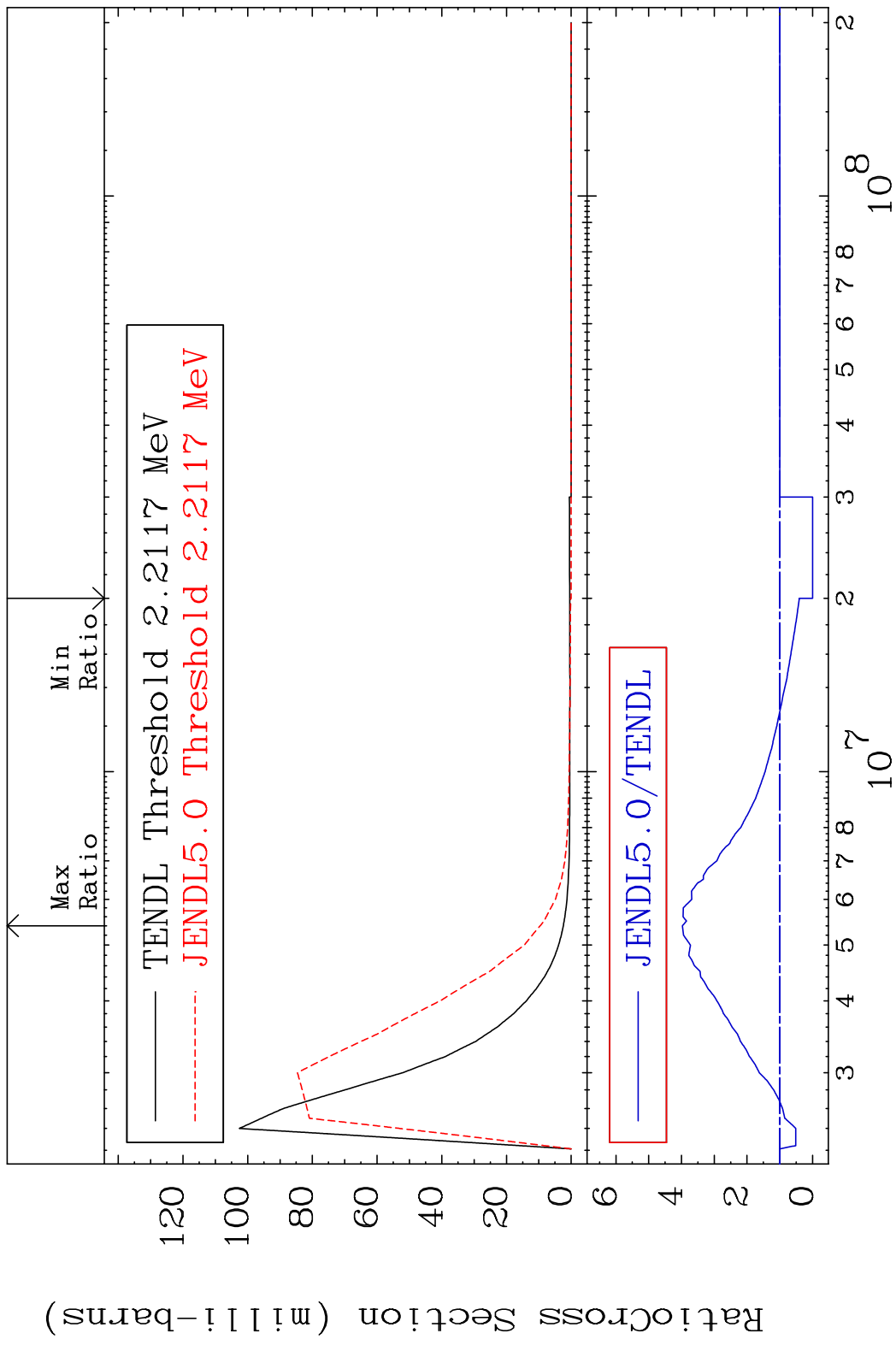
MAT 4443 MT= 63 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 88.90 %



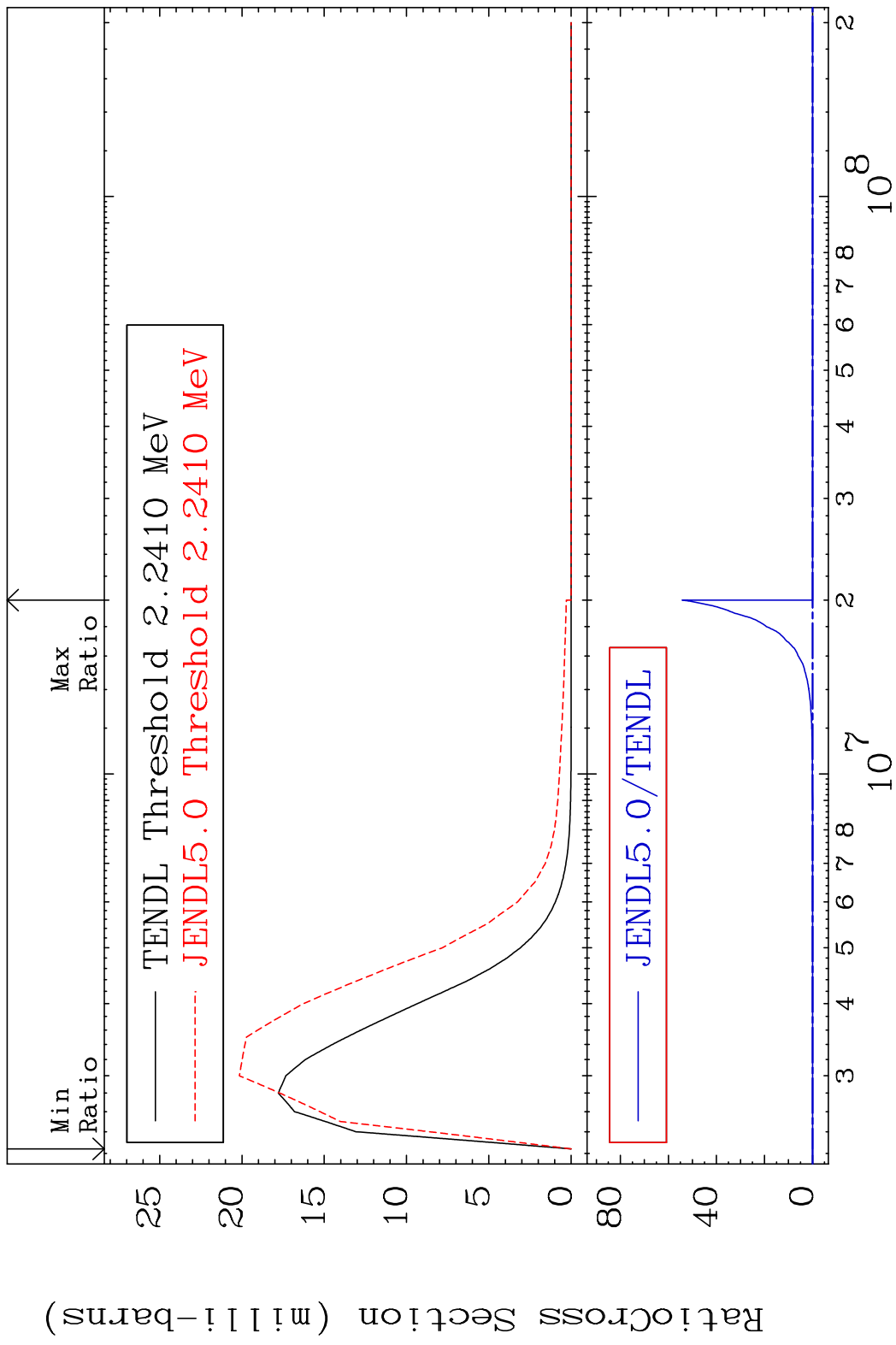
MAT 4443 MT= 64 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 9999. %



MAT 4443 MT= 65 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 297.3 %

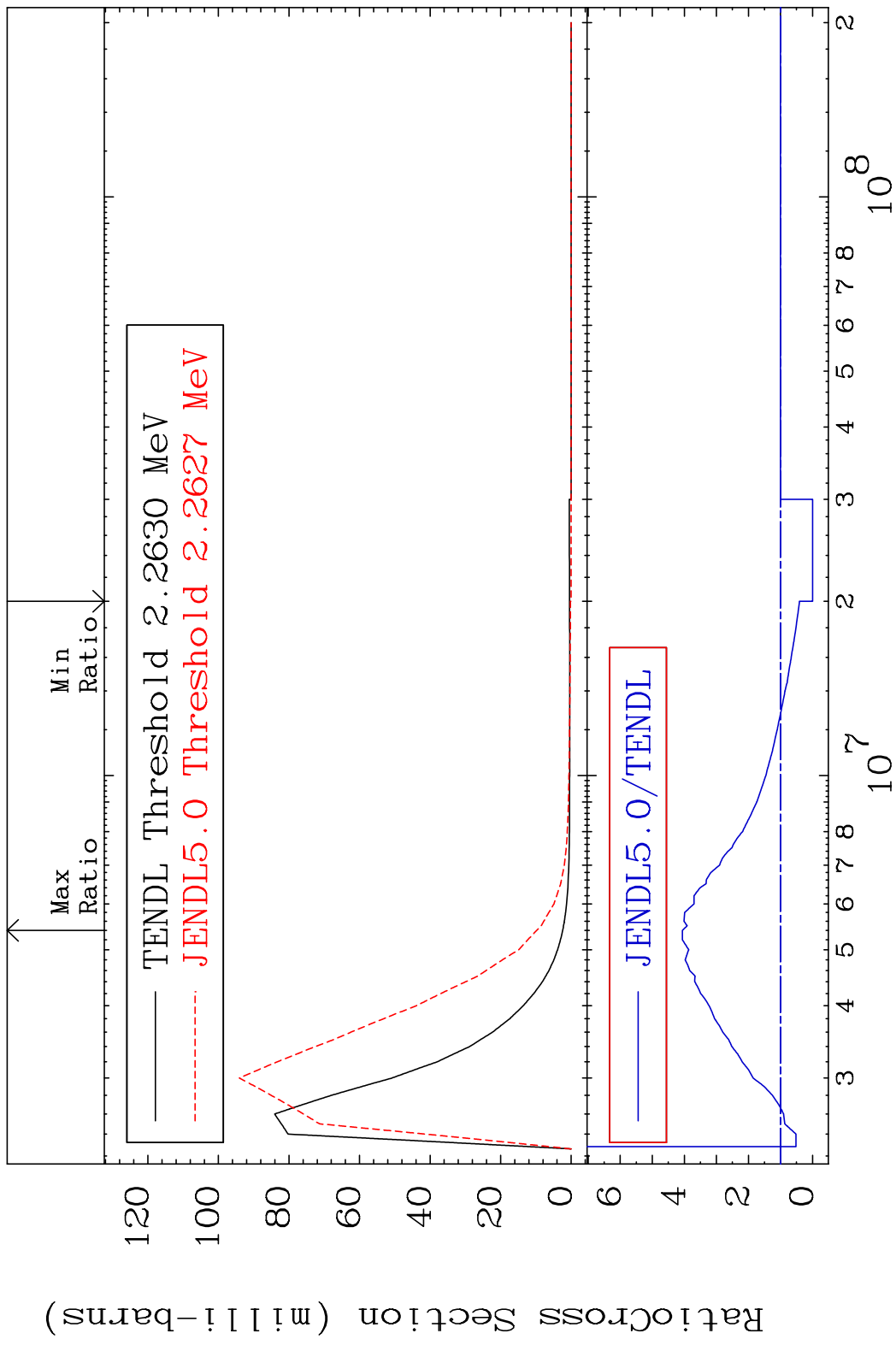


MAT 4443 MT= 66 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 9999. %

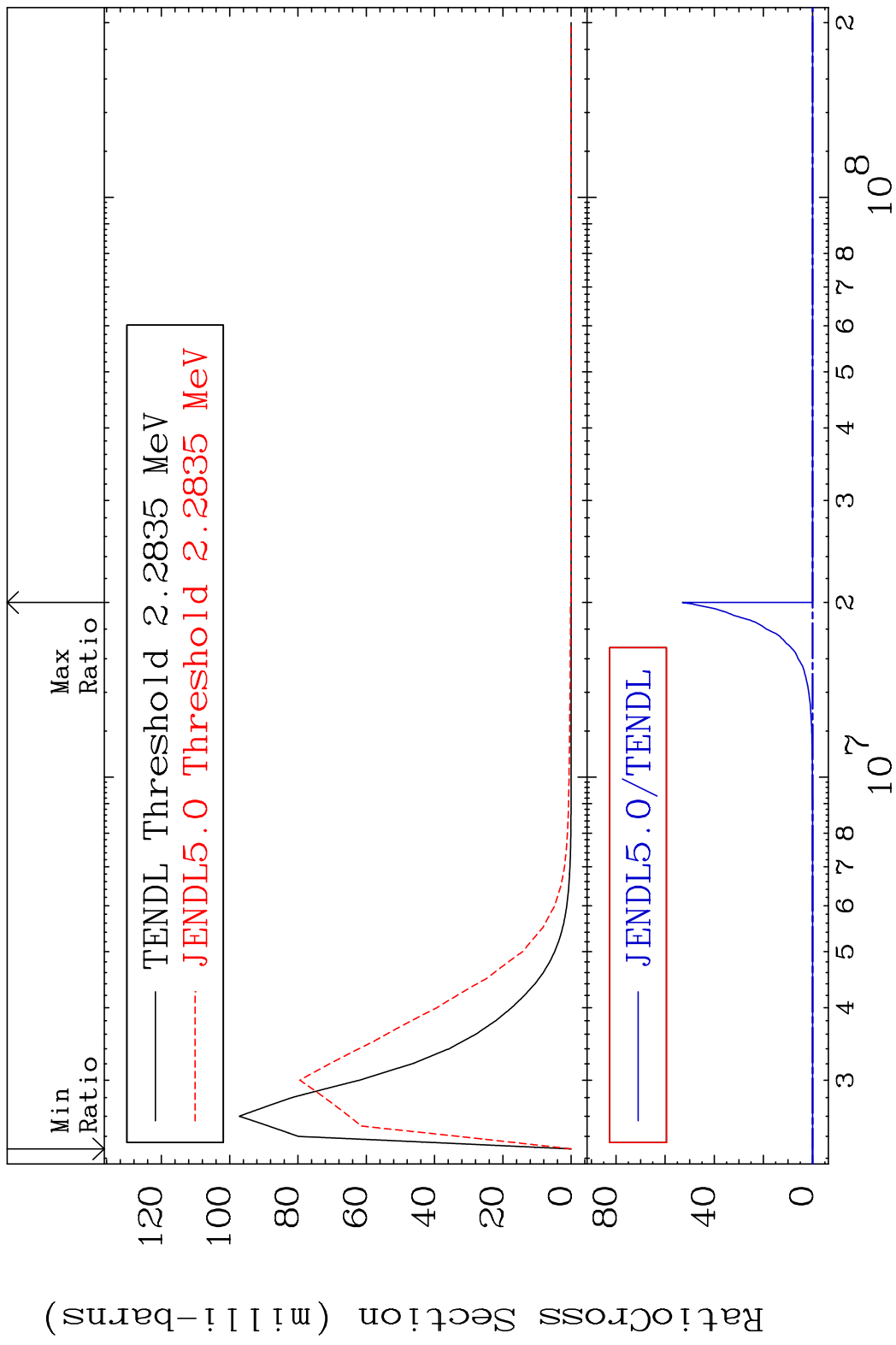


25 44-Ru-102

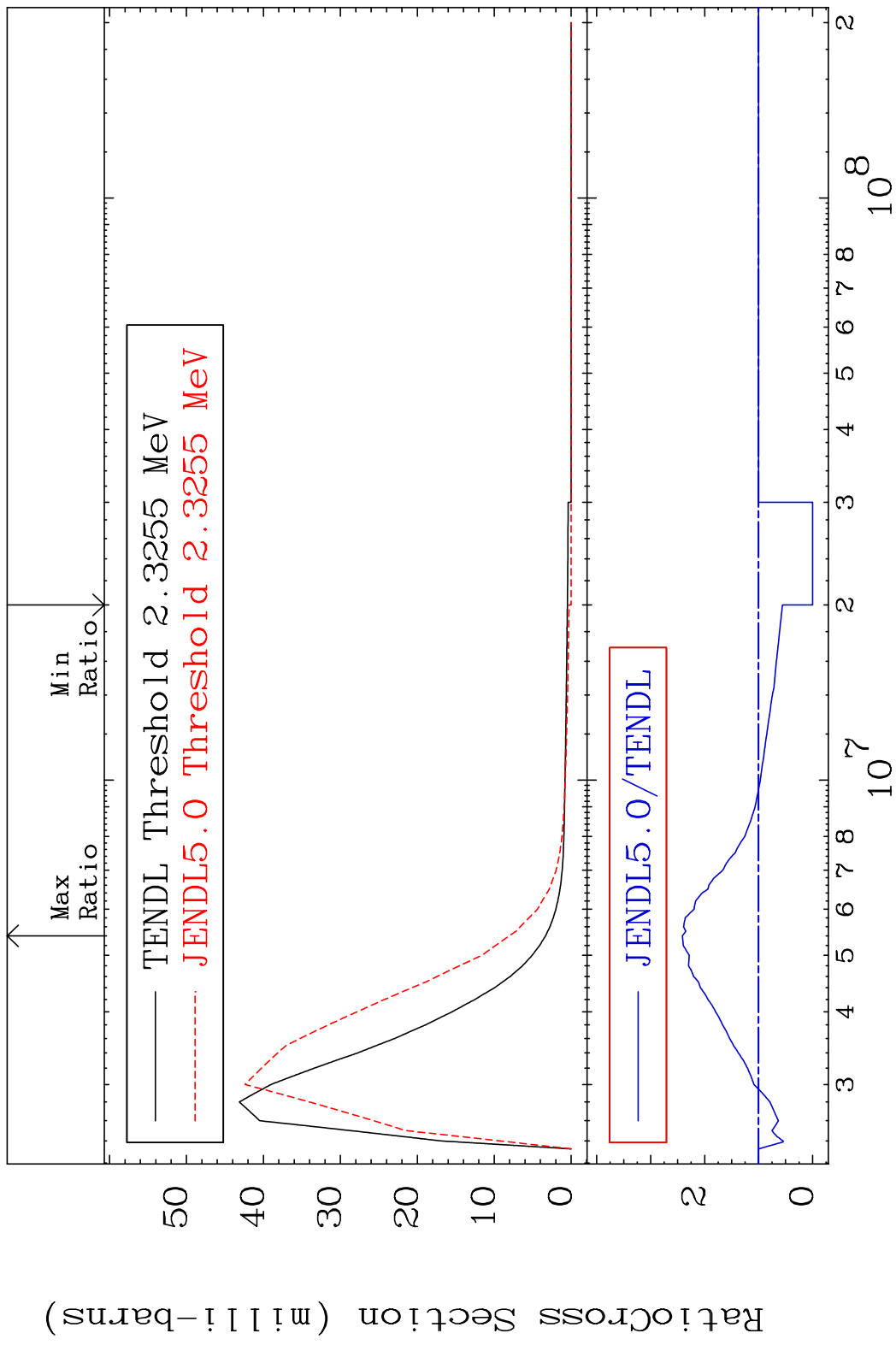
MAT 4443 MT= 67 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 306.2 %



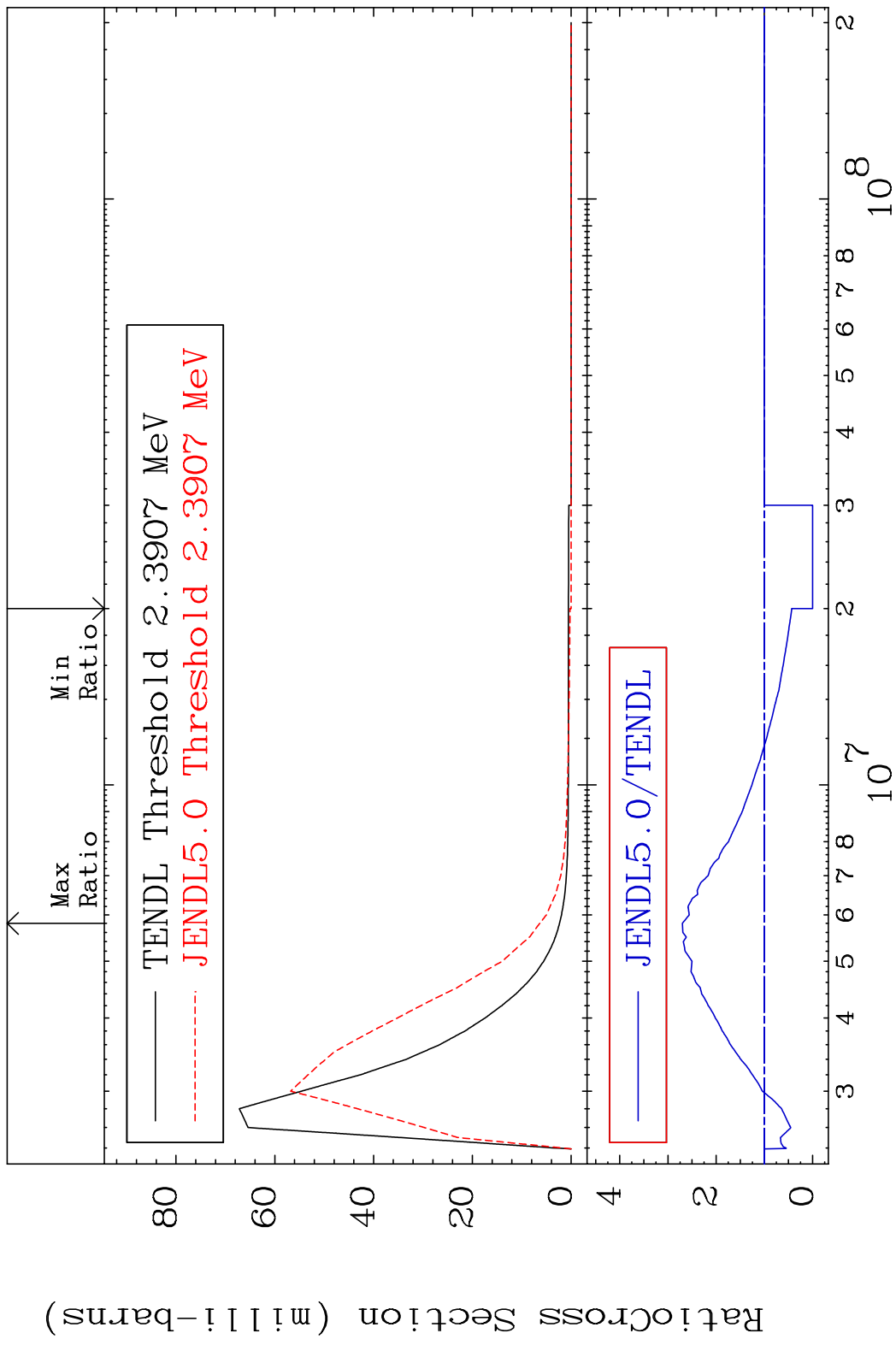
MAT 4443 MT= 68 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 9999. %



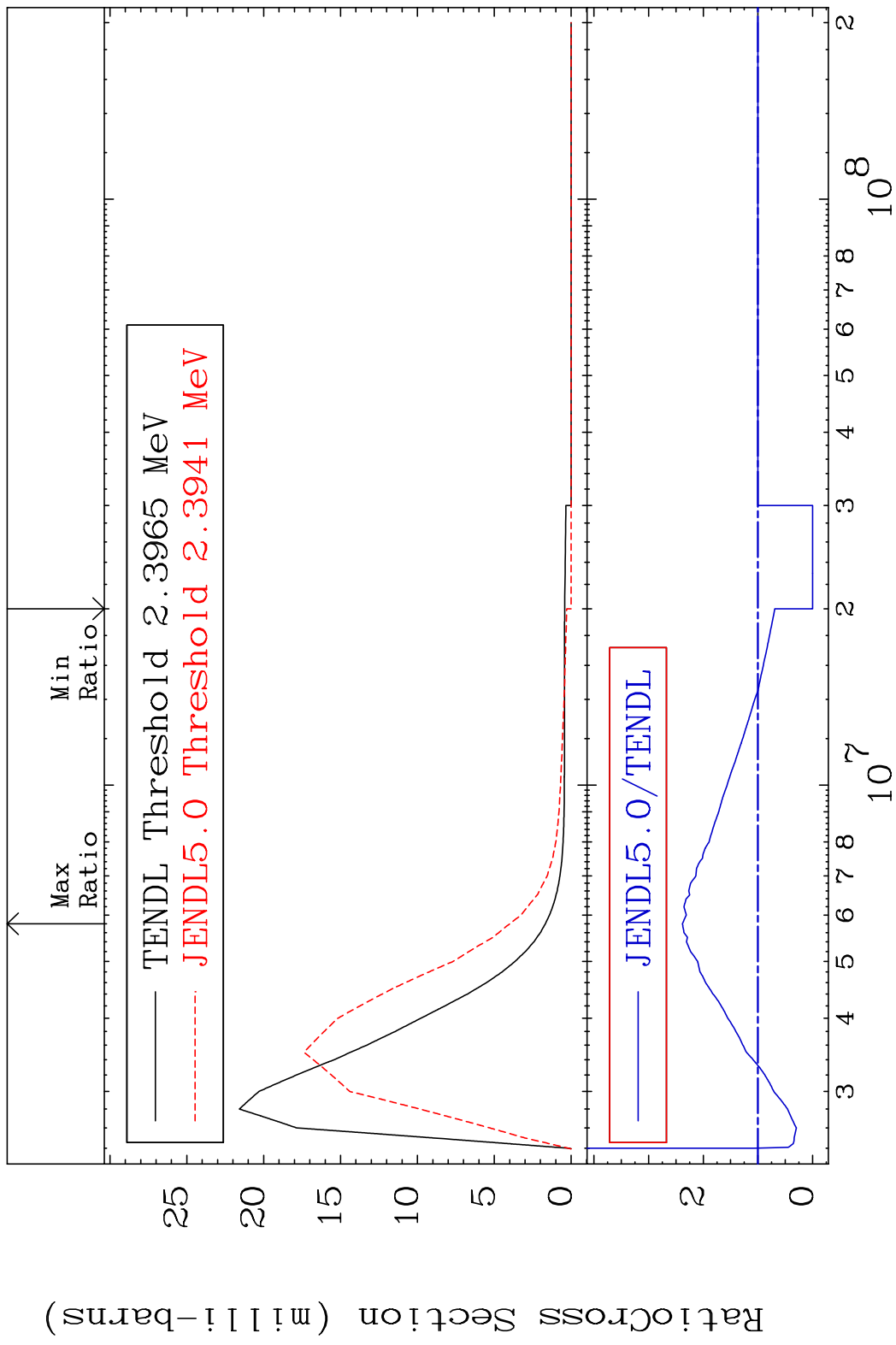
MAT 4443 MT= 69 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 141.3 %



MAT 4443 MT= 70 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 170.2 %

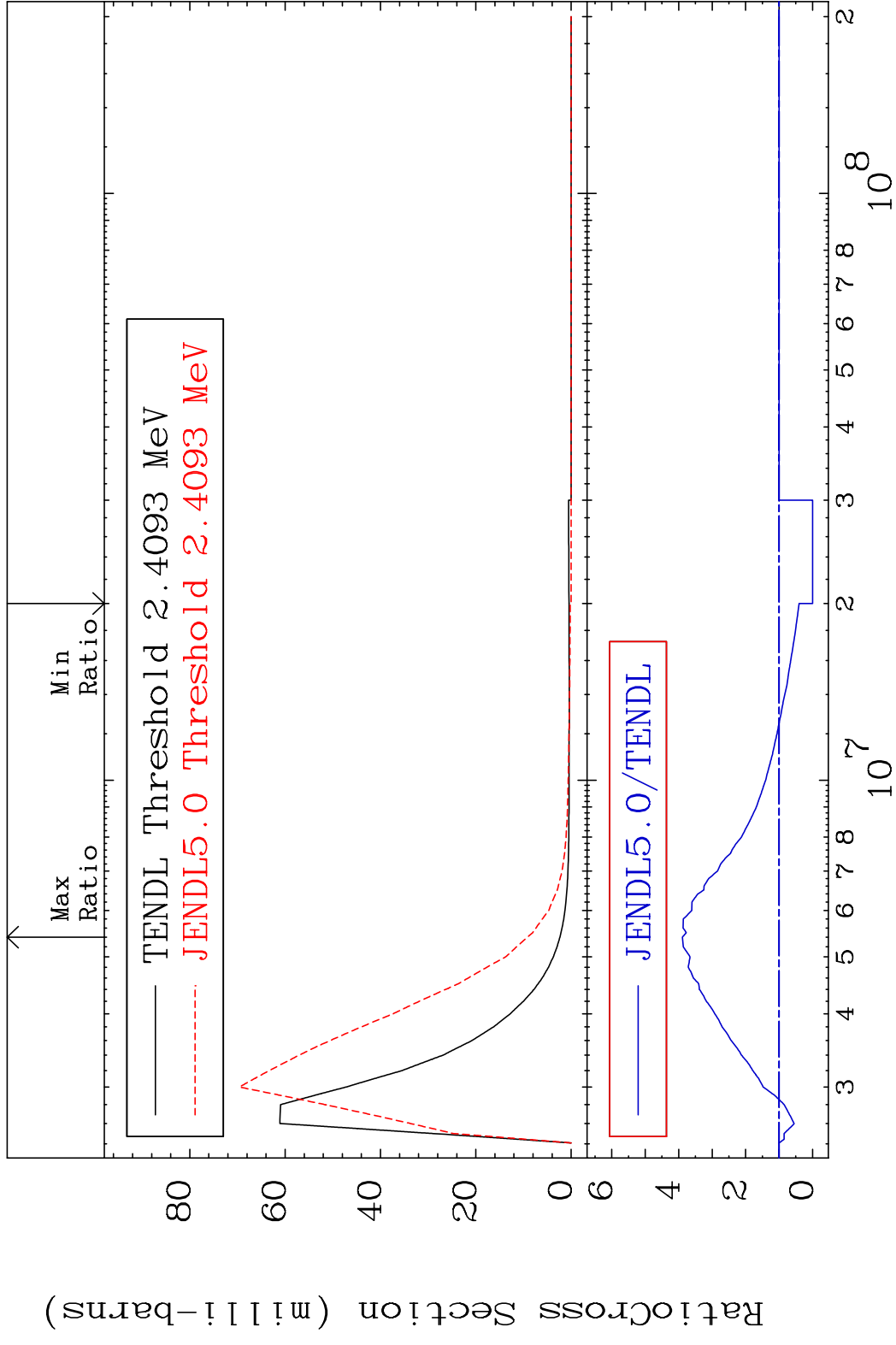


MAT 4443 MT= 71 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 138.3 %

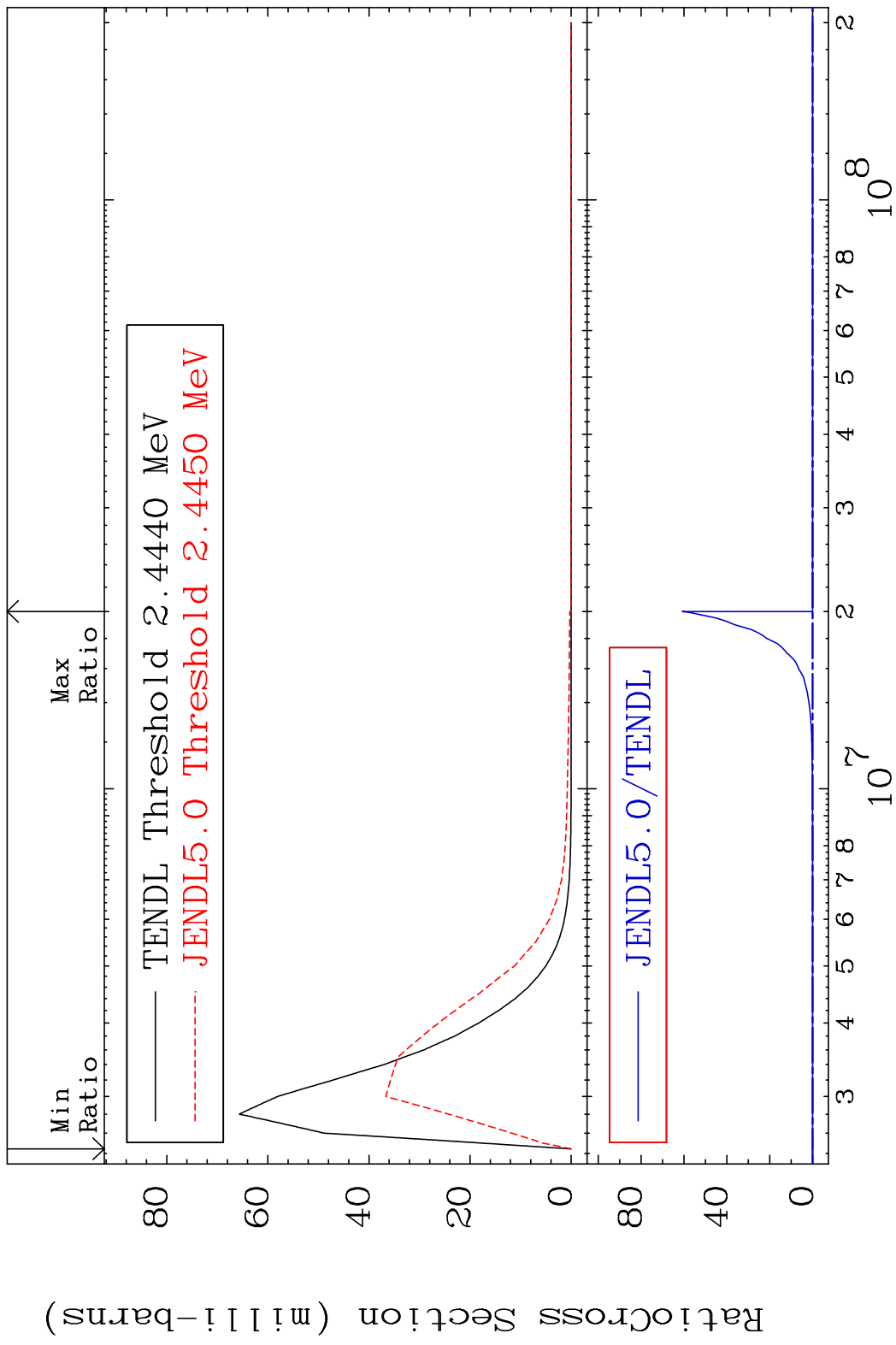


30 44-Ru-102

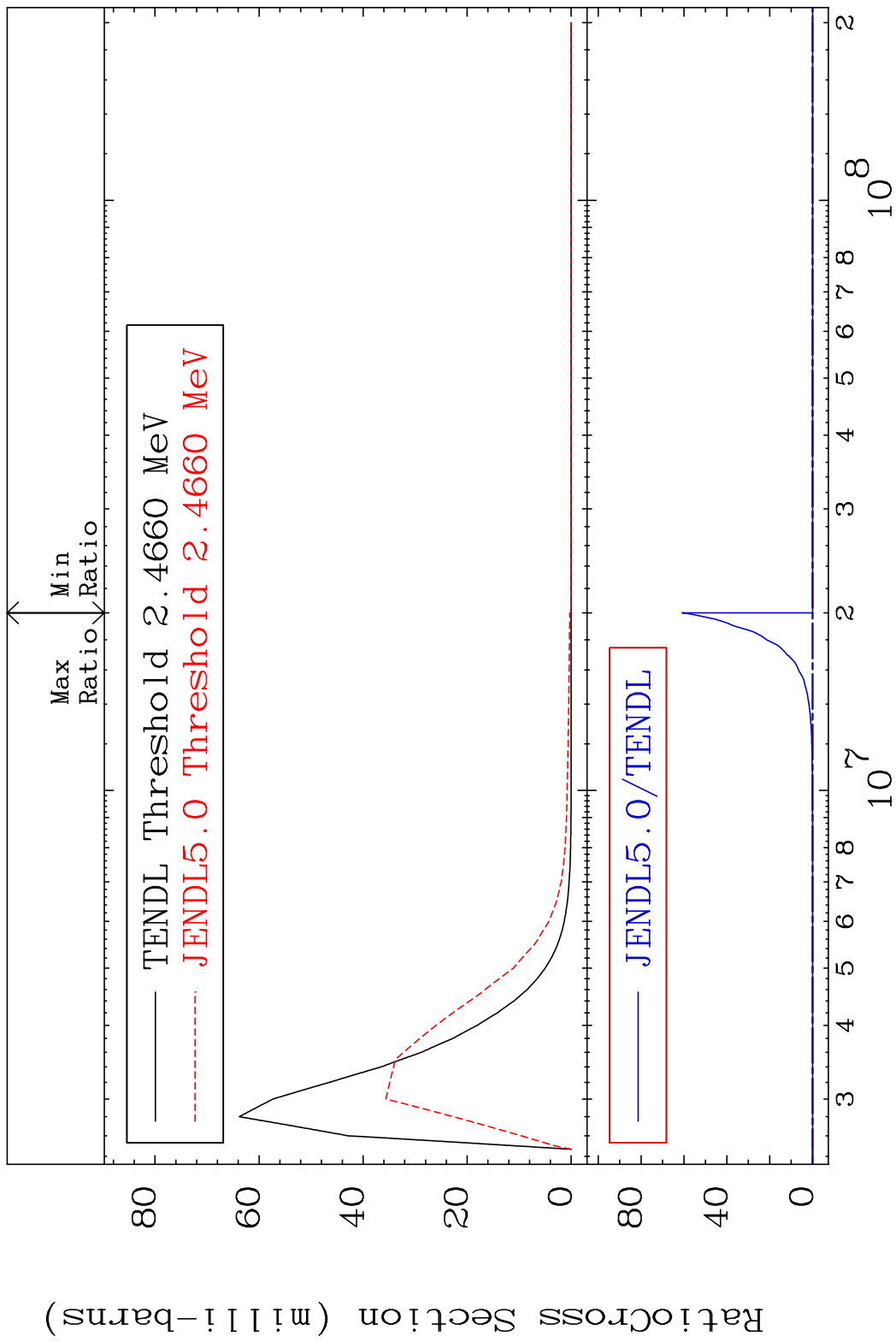
MAT 4443 MT= 72 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 289.1 %



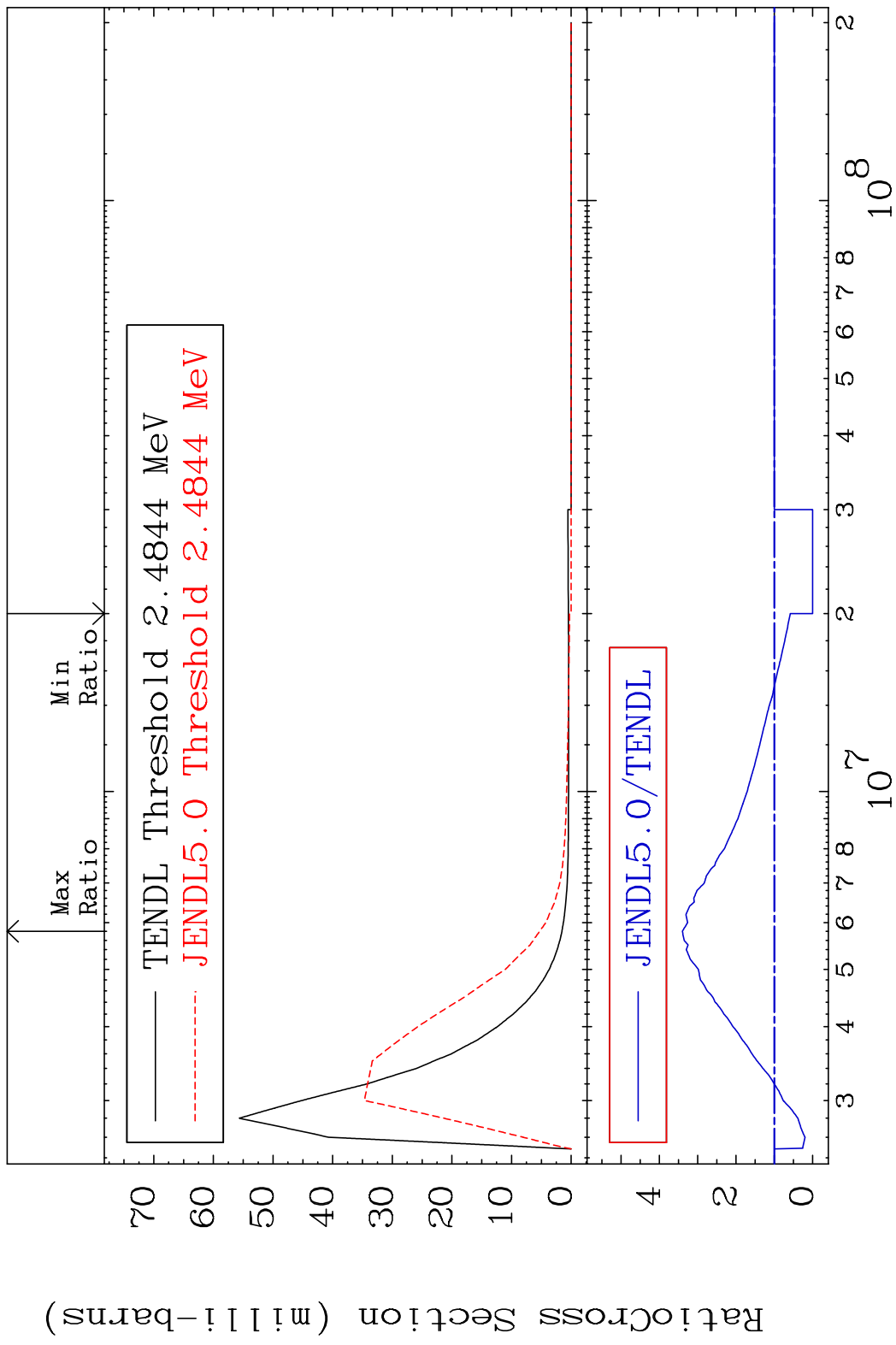
MAT 4443 MT= 73 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 9999. %



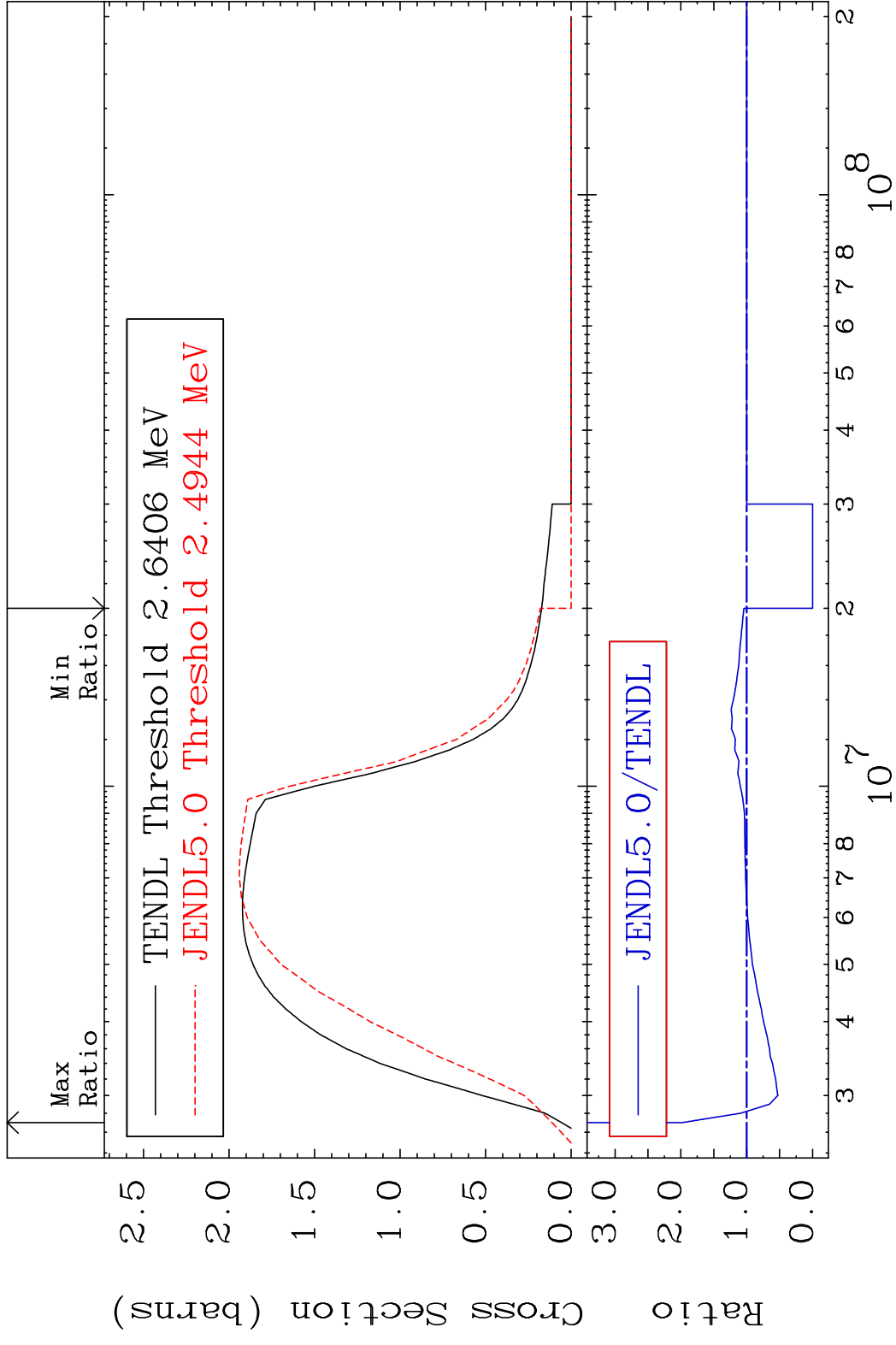
MAT 4443 MT= 74 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 9999. %



MAT 4443 MT= 75 (n, n') Level 44-Ru-102
 Cross Section -100.0 To 240.1 %

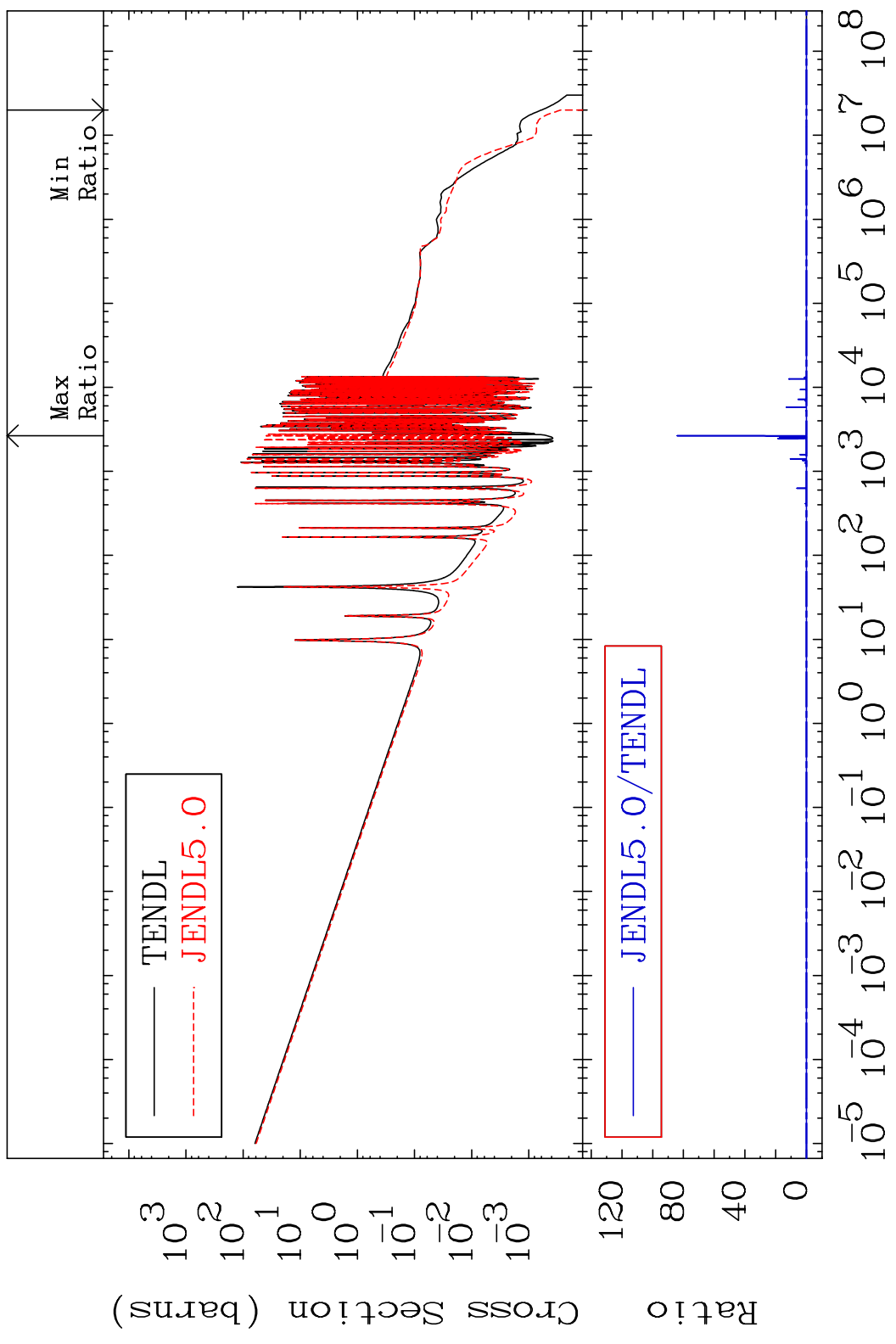


MAT 4443 (n, n') Continuum 44-Ru-102
 Cross Section -100.0 To 97.72 %



MAT 4443

(n, γ)
Cross Section -100.0 To 9999. %
44-Ru-102

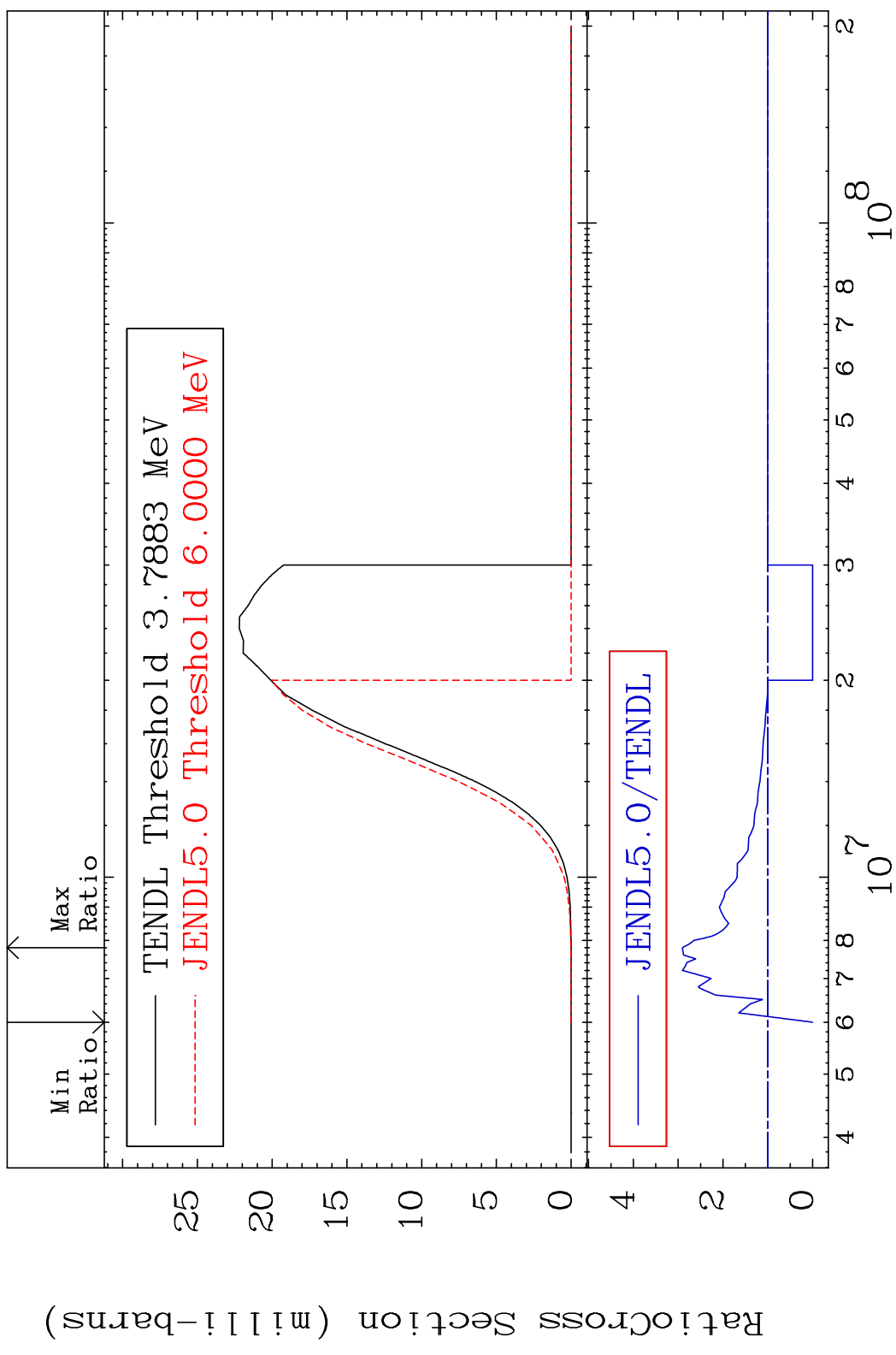


MAT 4443

(n,p)

44-Ru-102

Cross Section -100.0 To 190.6 %

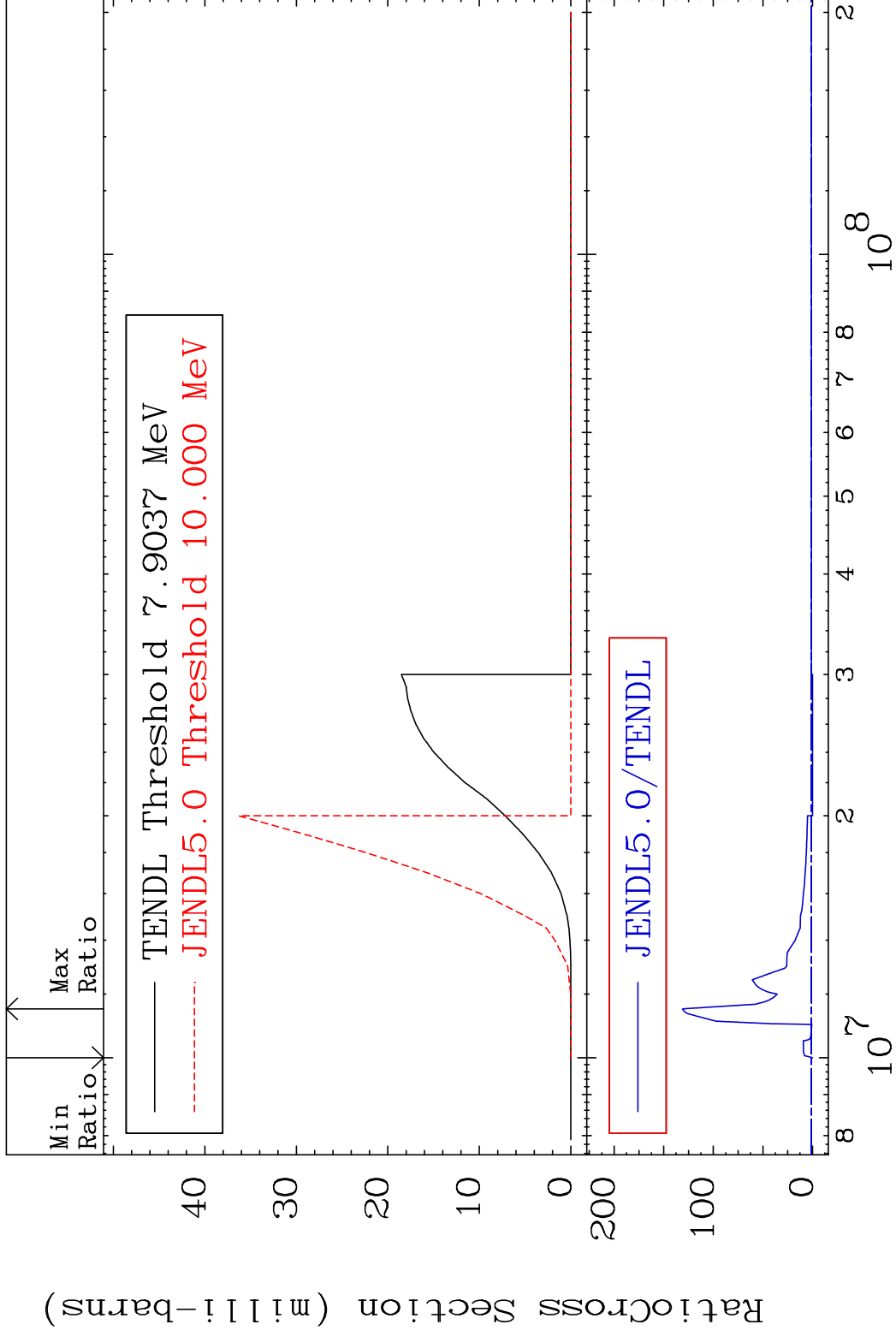


MAT 4443

(n,d)

44-Ru-102

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

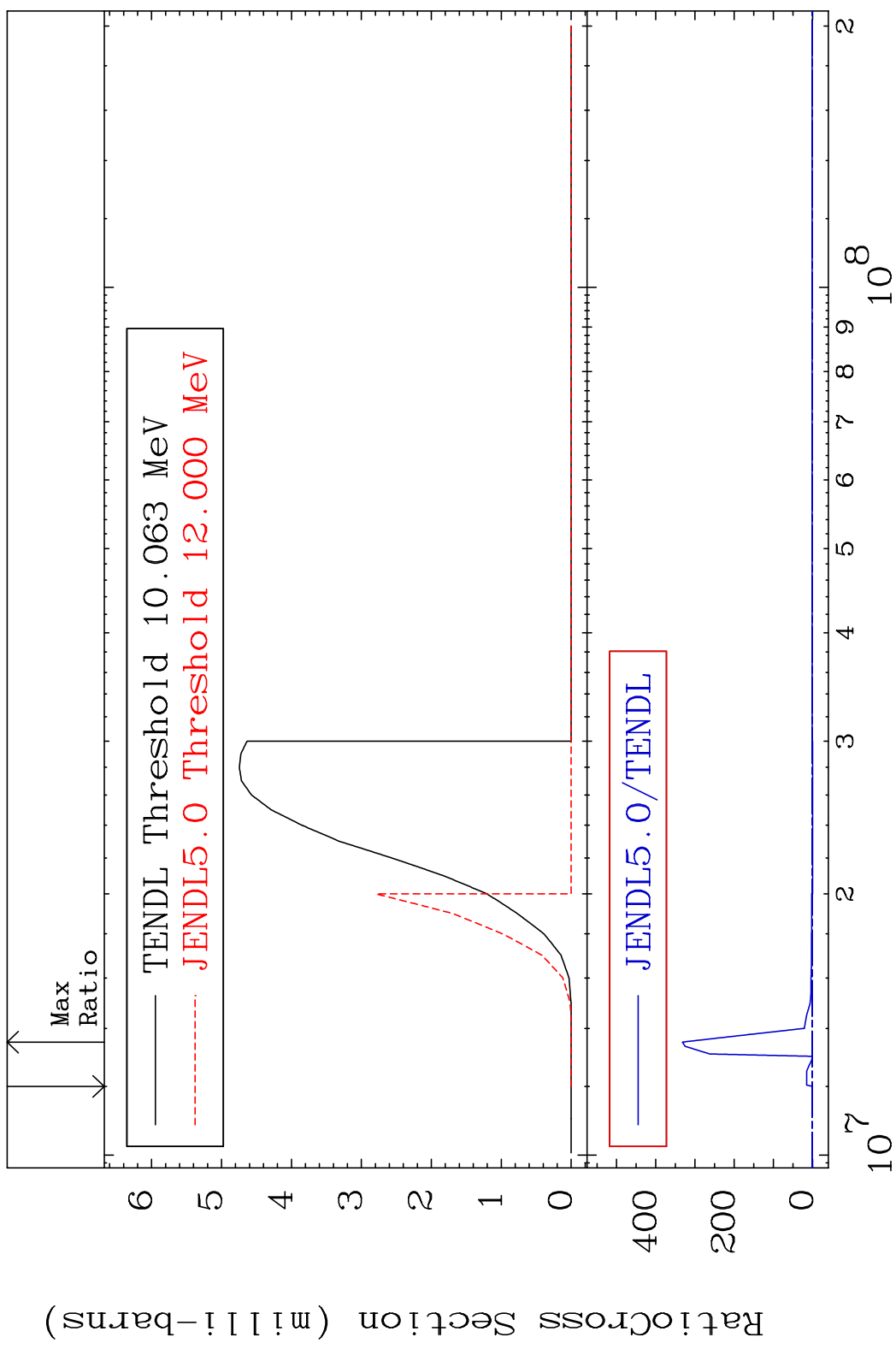
44-Ru-102

MAT 4443

(n, t)

44-Ru-102

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

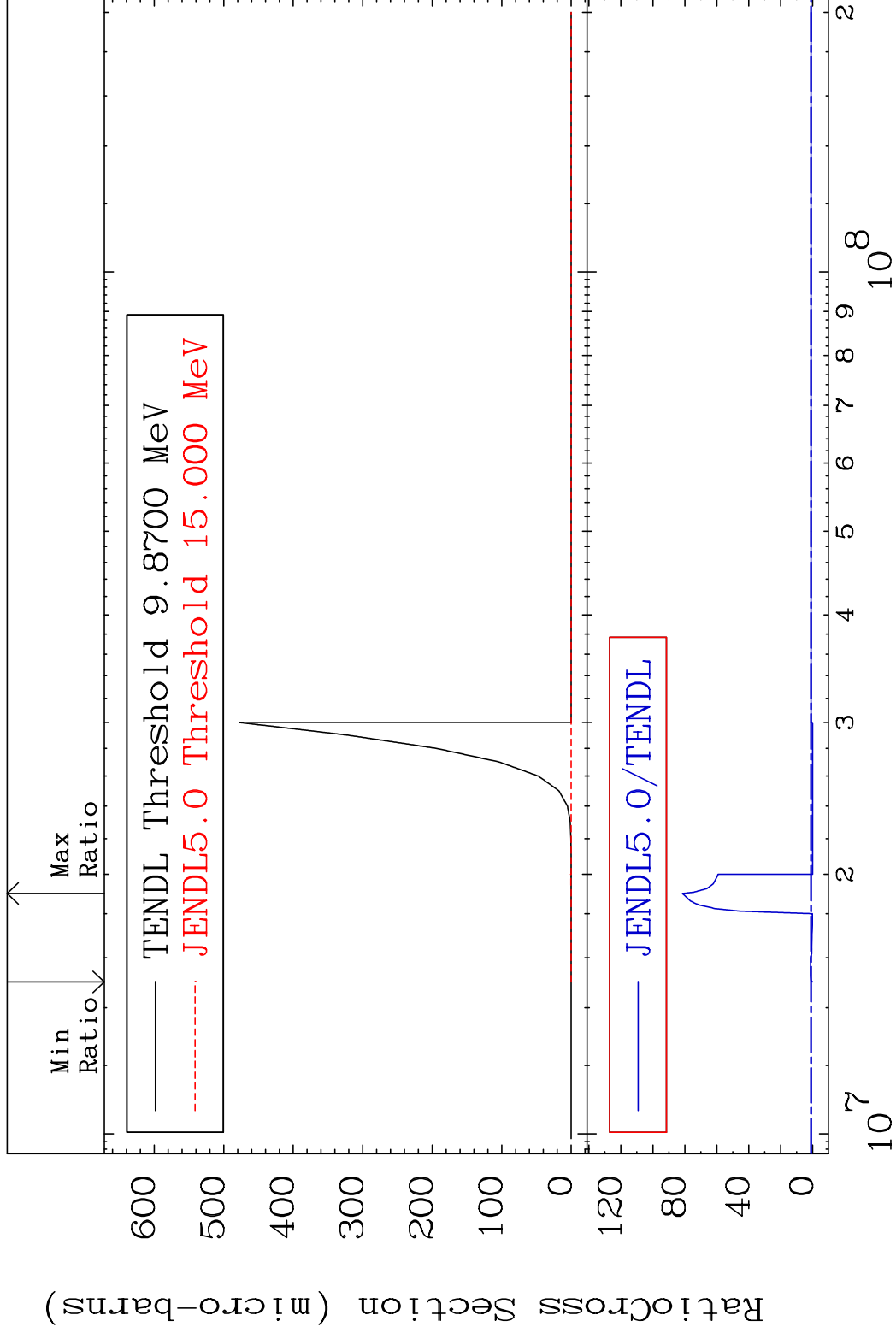
44-Ru-102

MAT 4443

(n, He-3)

44-Ru-102

Cross Section -100.0 To 8053. %



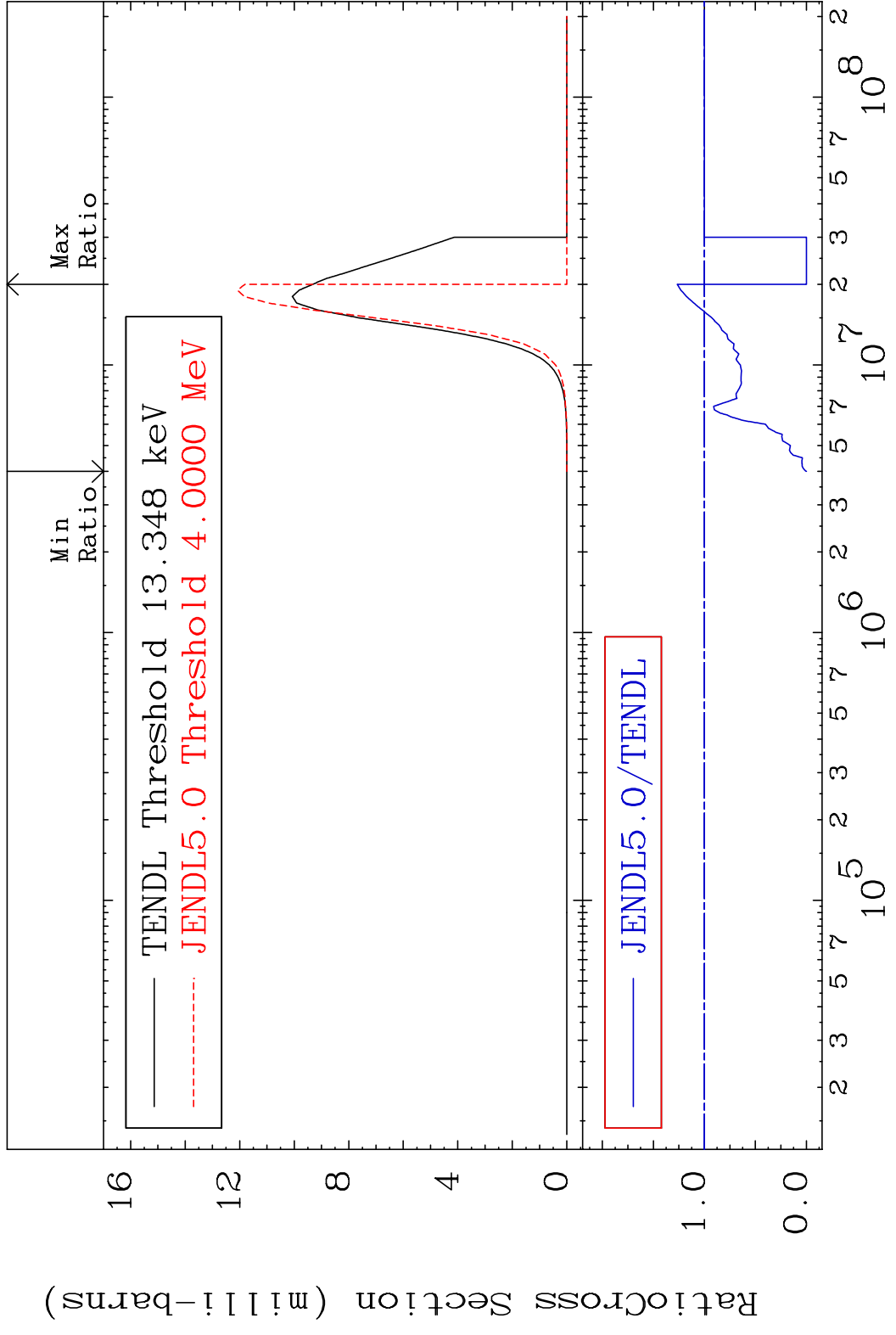
40

Incident Energy (eV)

44-Ru-102

MAT 4443

(n, α)
Cross Section -100.0 To 26.68 %
44-Ru-102



41

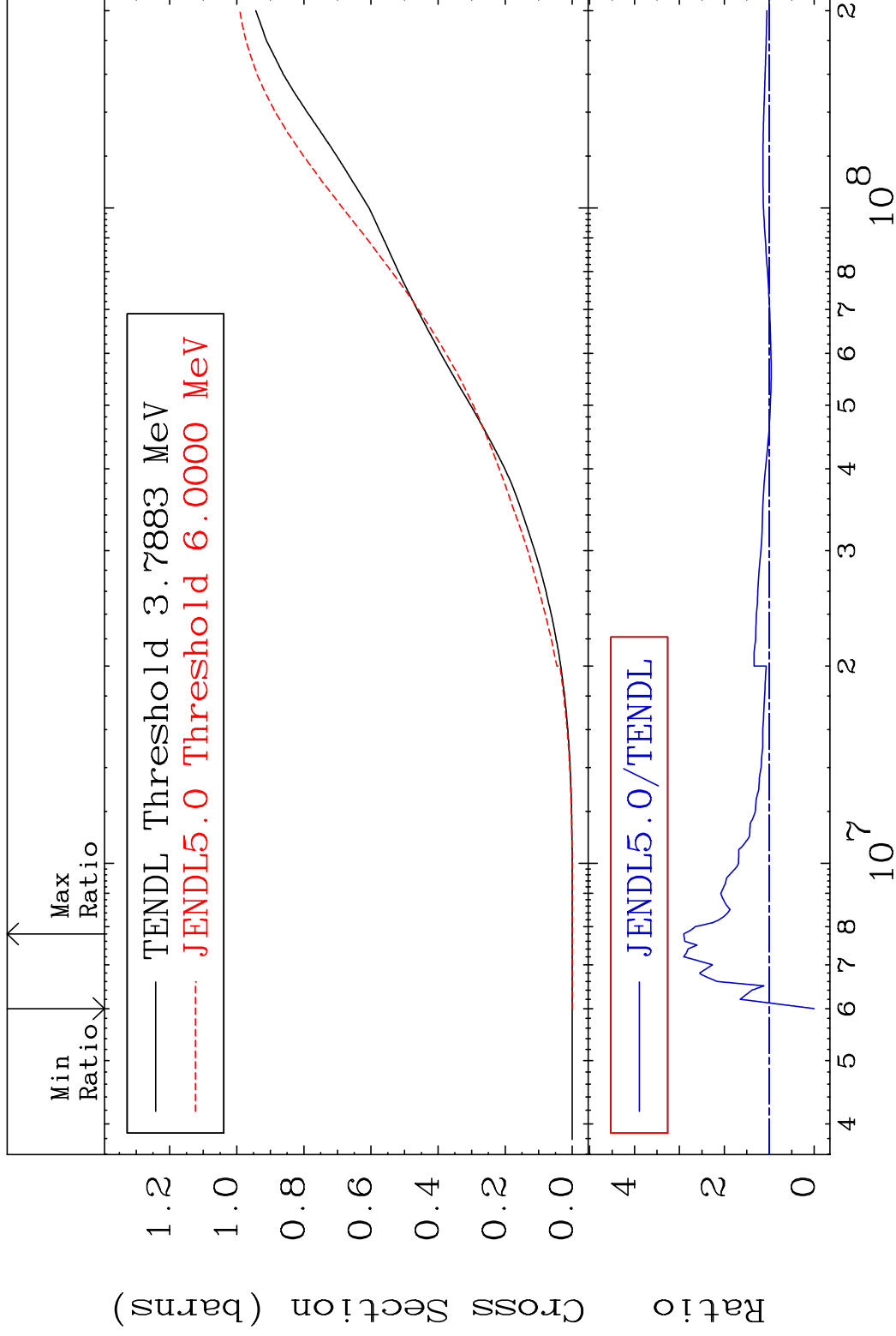
44-Ru-102

MAT 4443

Hydrogen Production

44-Ru-102

Cross Section -100.0 To 190.6 %



42

Incident Energy (eV)

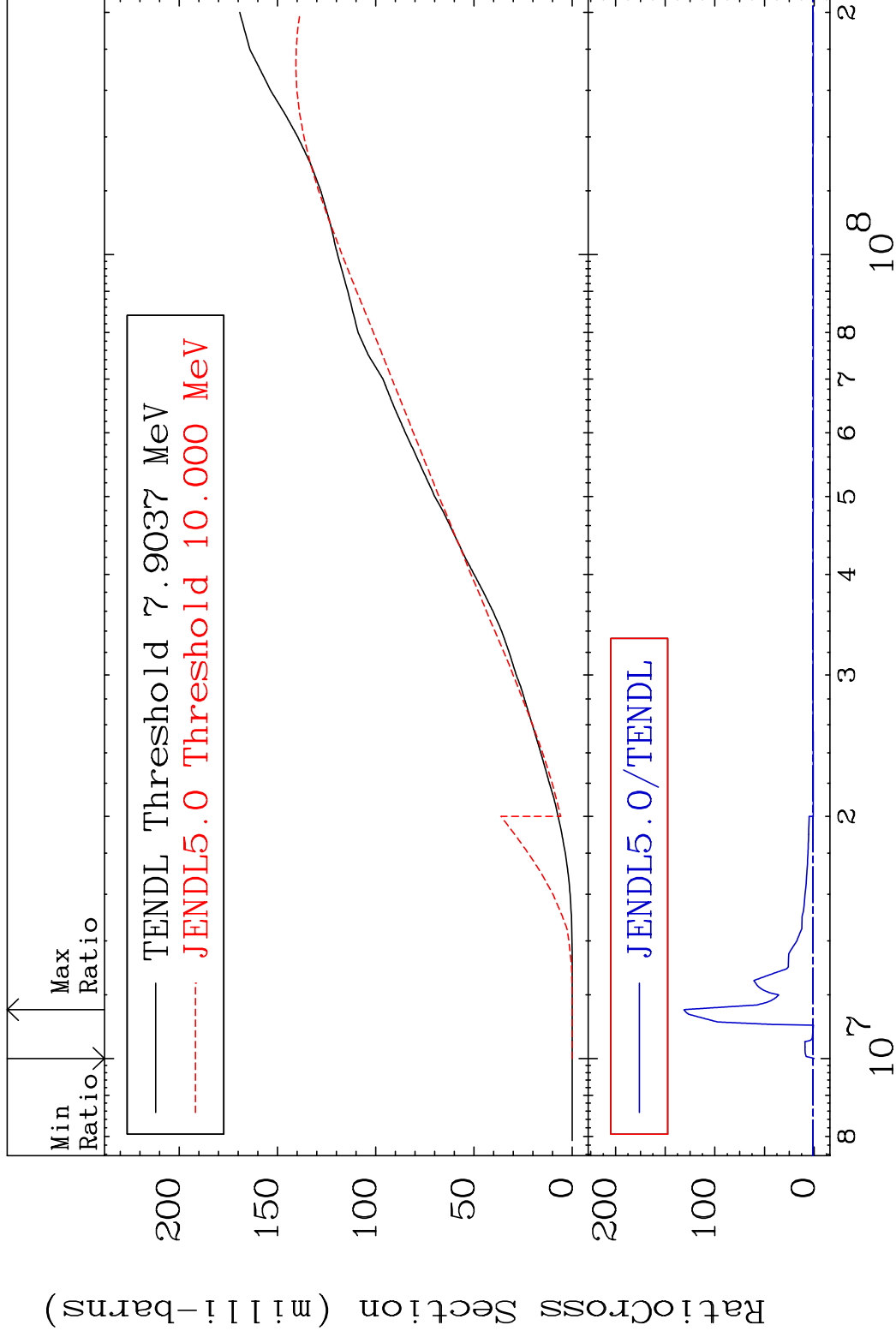
44-Ru-102

MAT 4443

Deuterium Production

44-Ru-102

Cross Section -100.0 To 9999. %

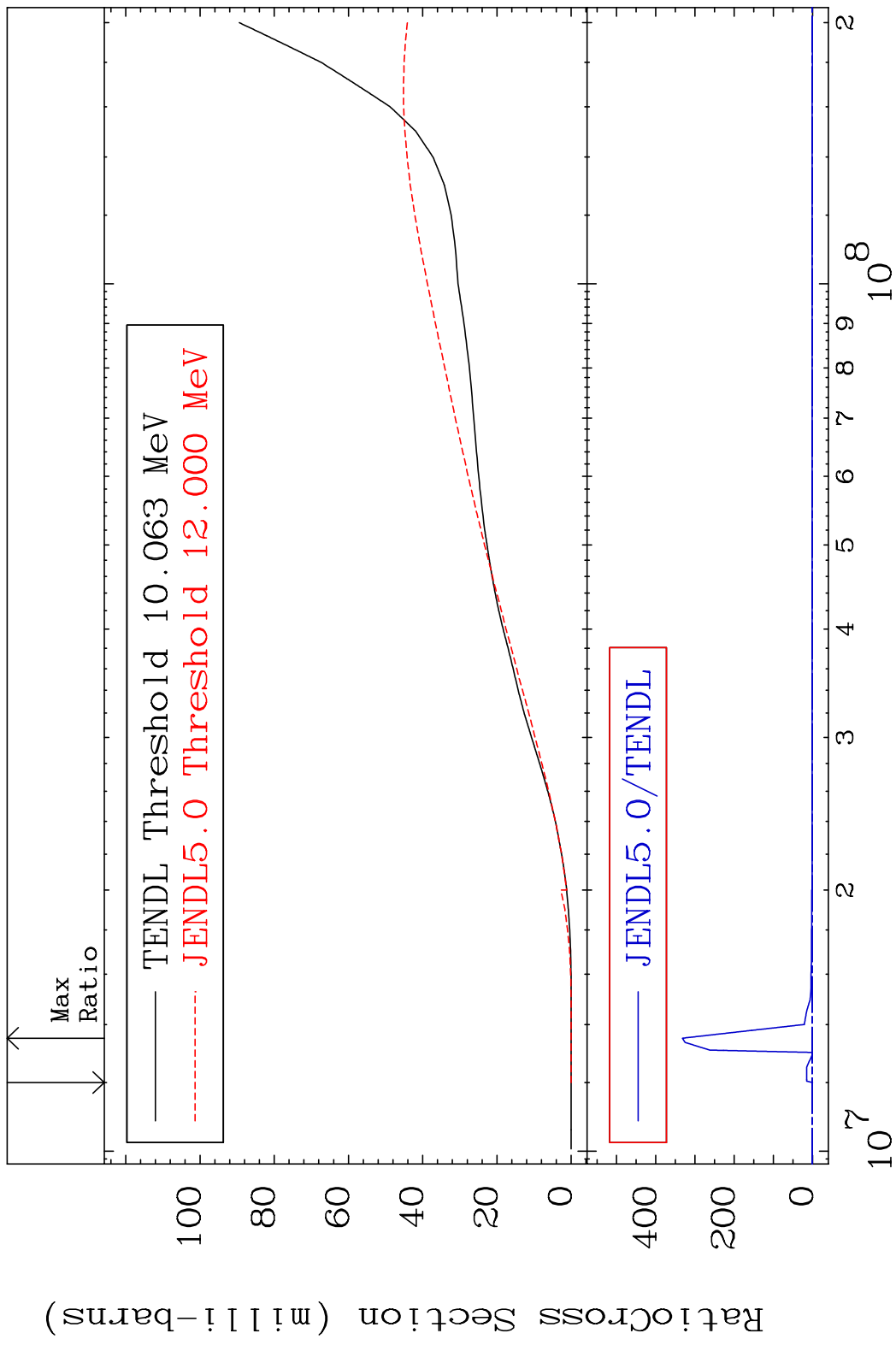


43

Incident Energy (eV)

44-Ru-102

MAT 4443 Tritium Production 44-Ru-102
 Cross Section -100.0 To 9999. %



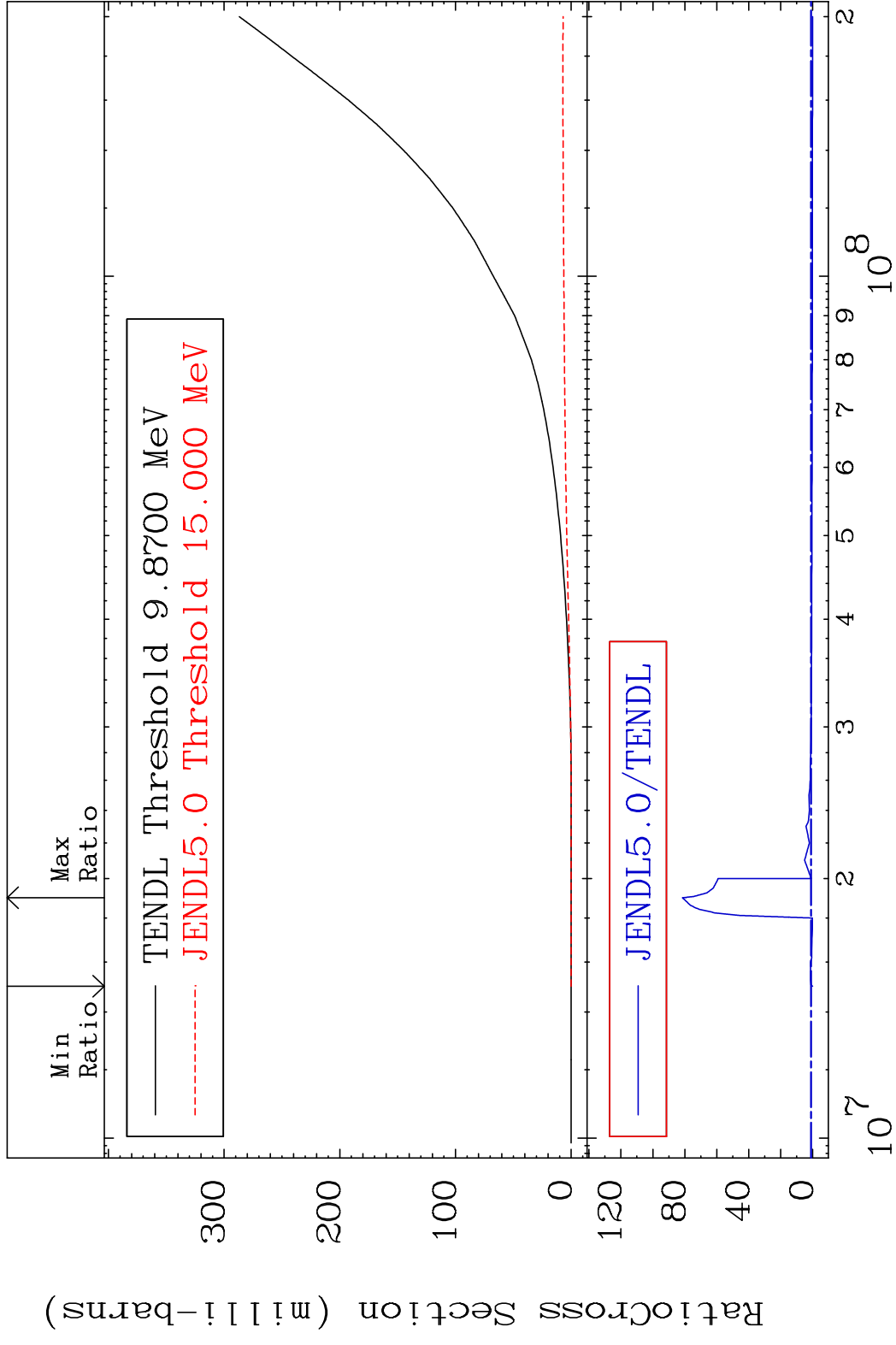
44 Incident Energy (eV) 44-Ru-102

MAT 4443

He-3 Production

44-Ru-102

Cross Section -100.0 To 8053. %



45

44-Ru-102

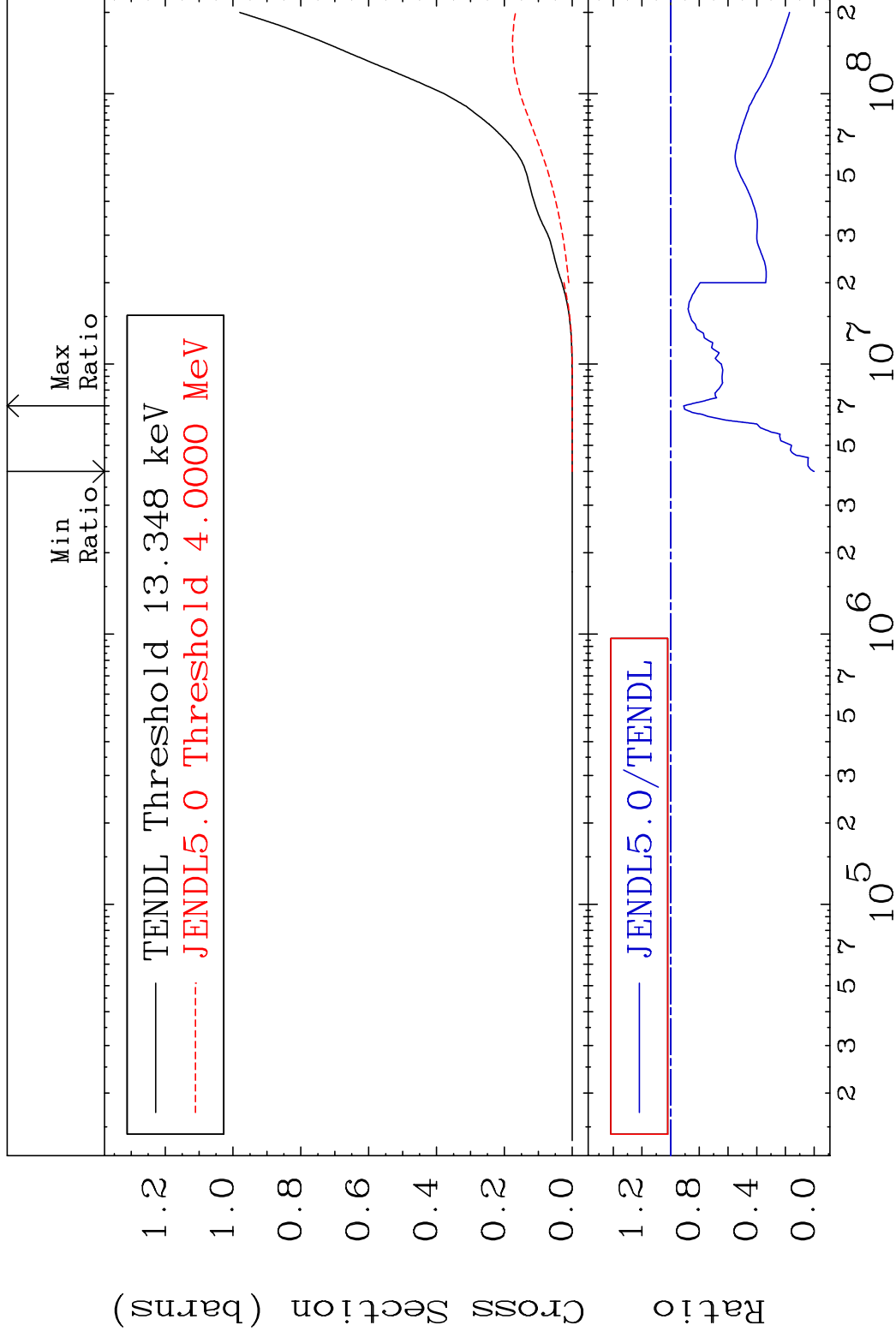
44-Ru-102

MAT 4443

He-4 Production

44-Ru-102

Cross Section -100.0 To -9.091%

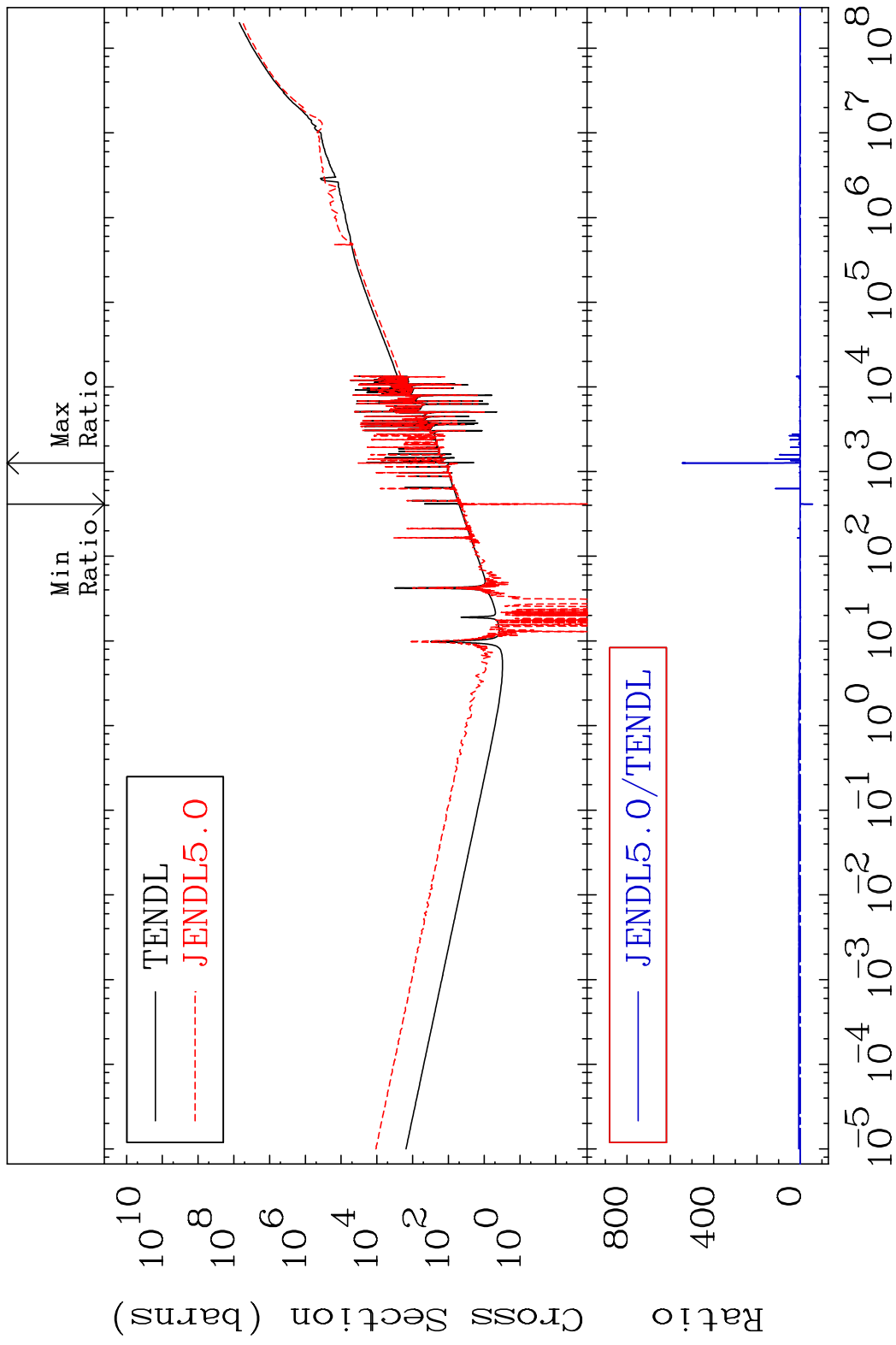


46

Incident Energy (eV)

44-Ru-102

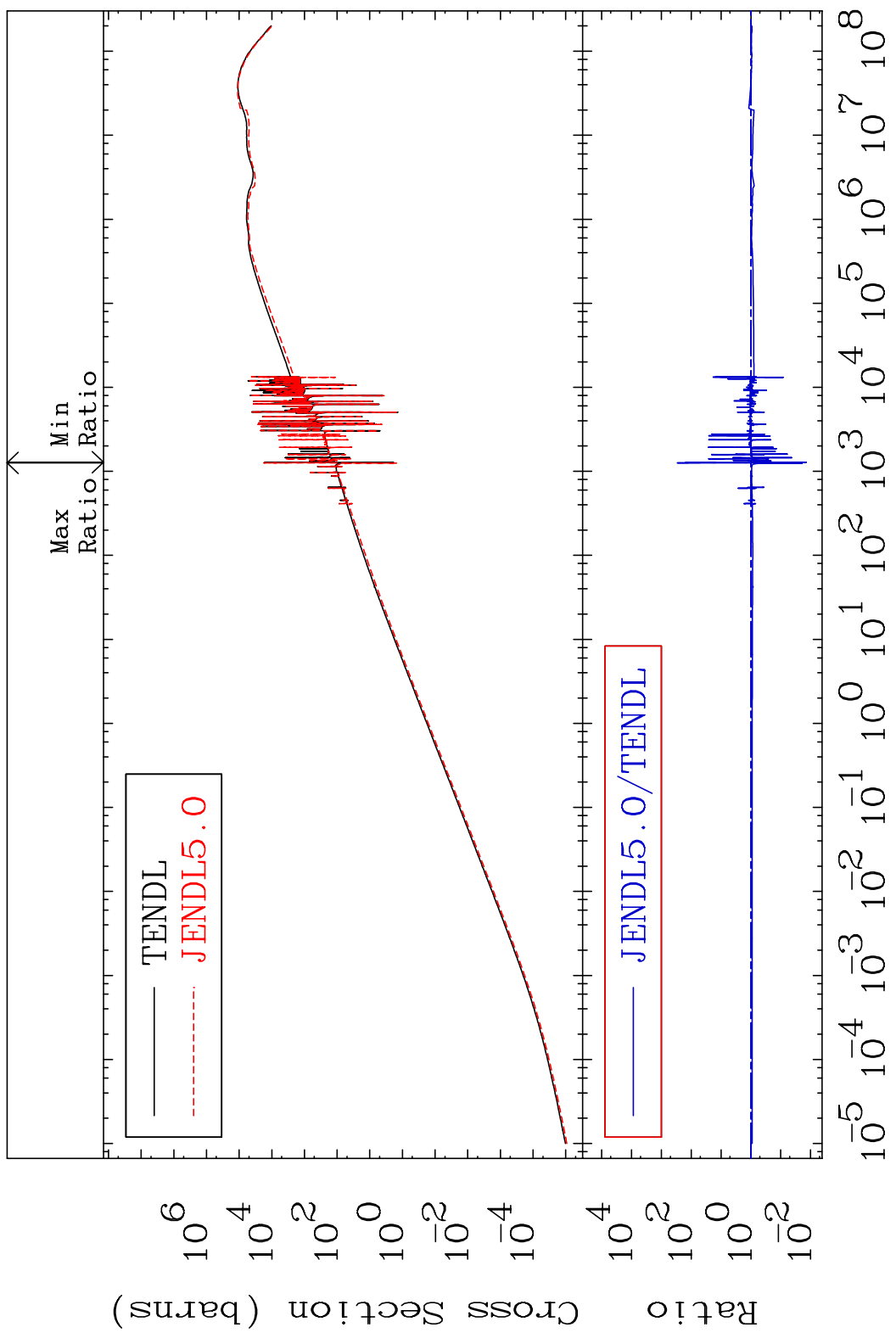
MAT 4443 Kerma total (eV-barns) 44-Ru-102
Cross Section -5774. To 9999. %



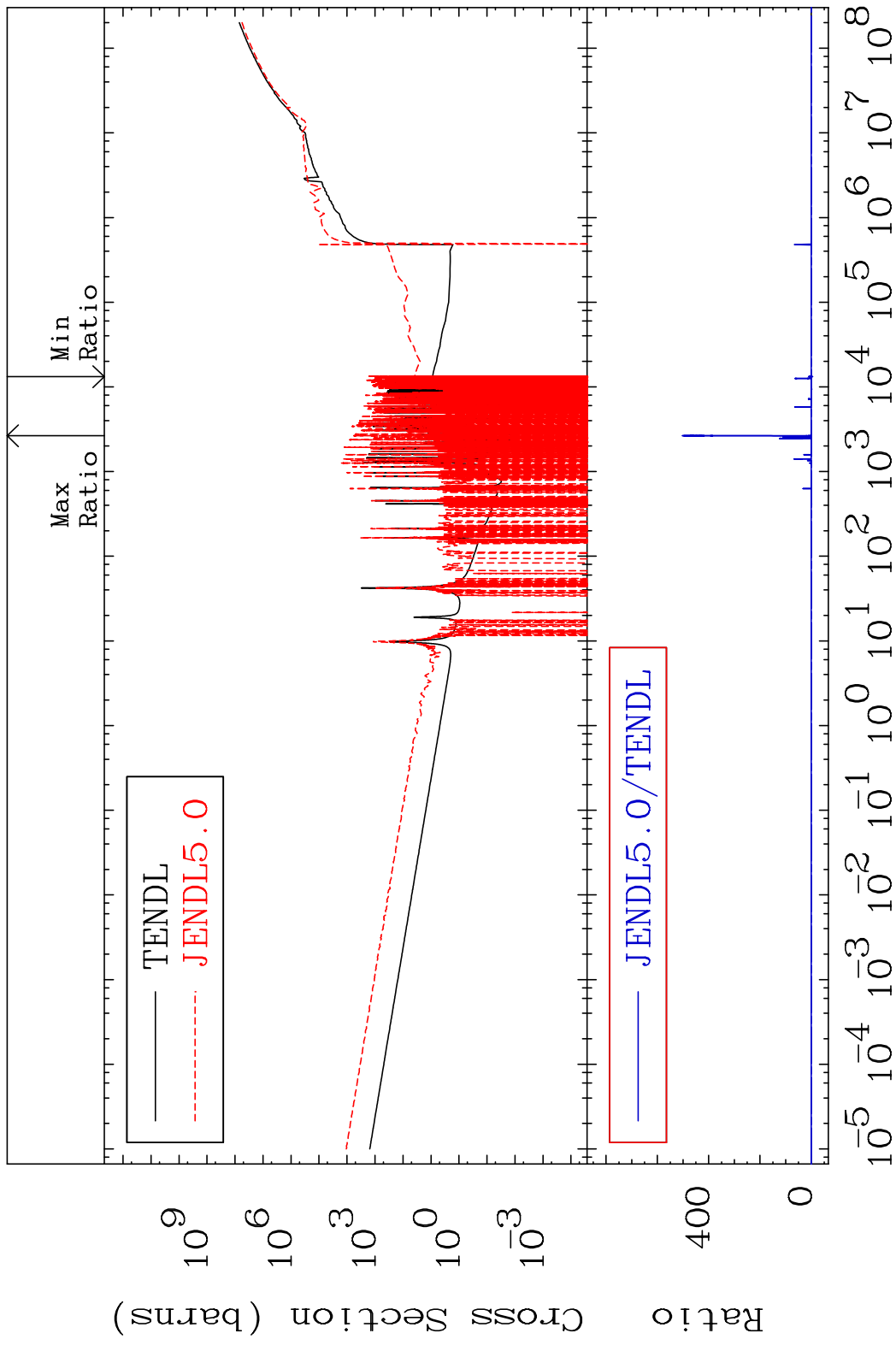
47 Incident Energy (eV) 44-Ru-102

MAT 4443

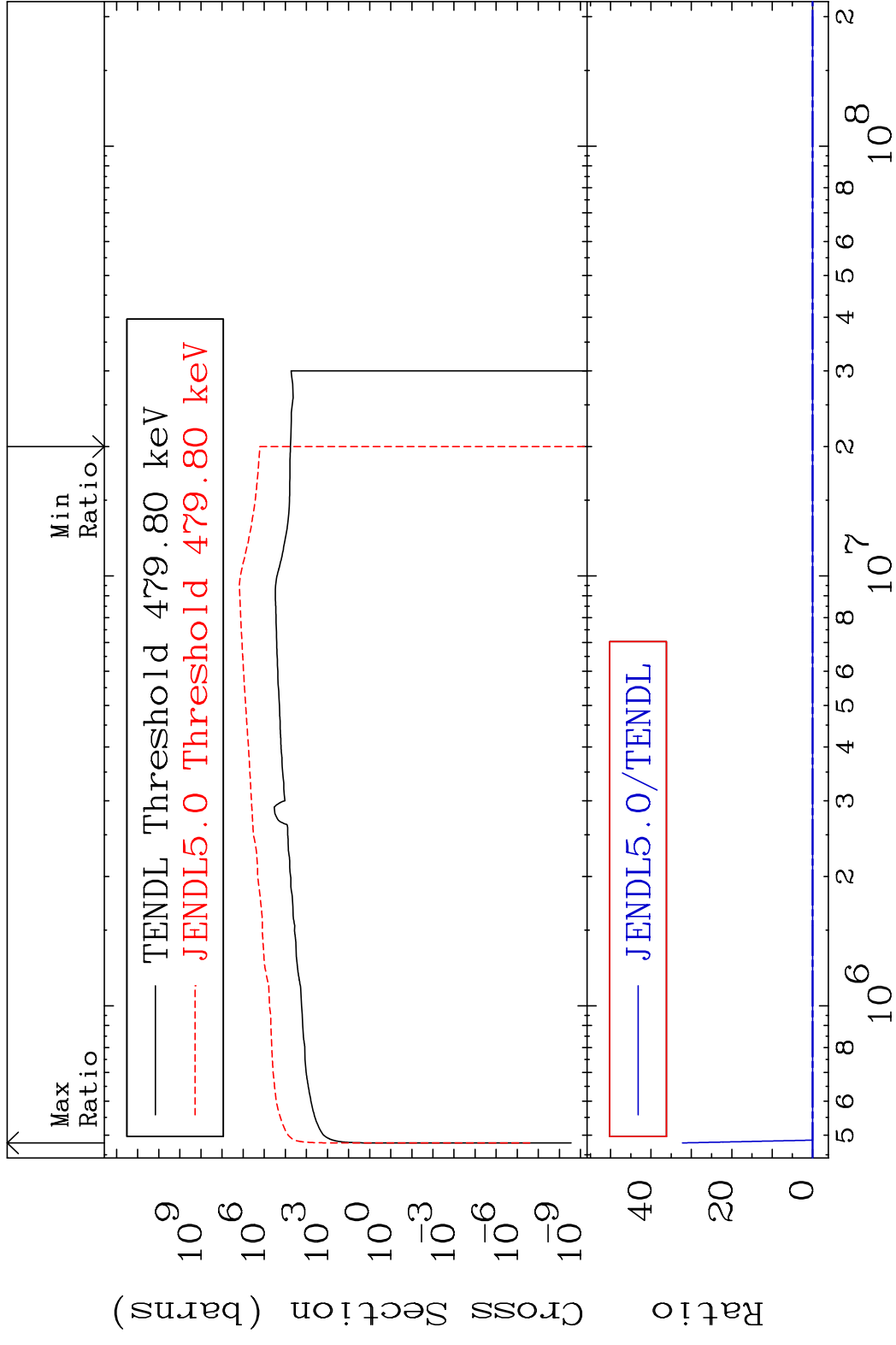
Kerma elastic Cross Section -98.62 To 9999. %
44-Ru-102



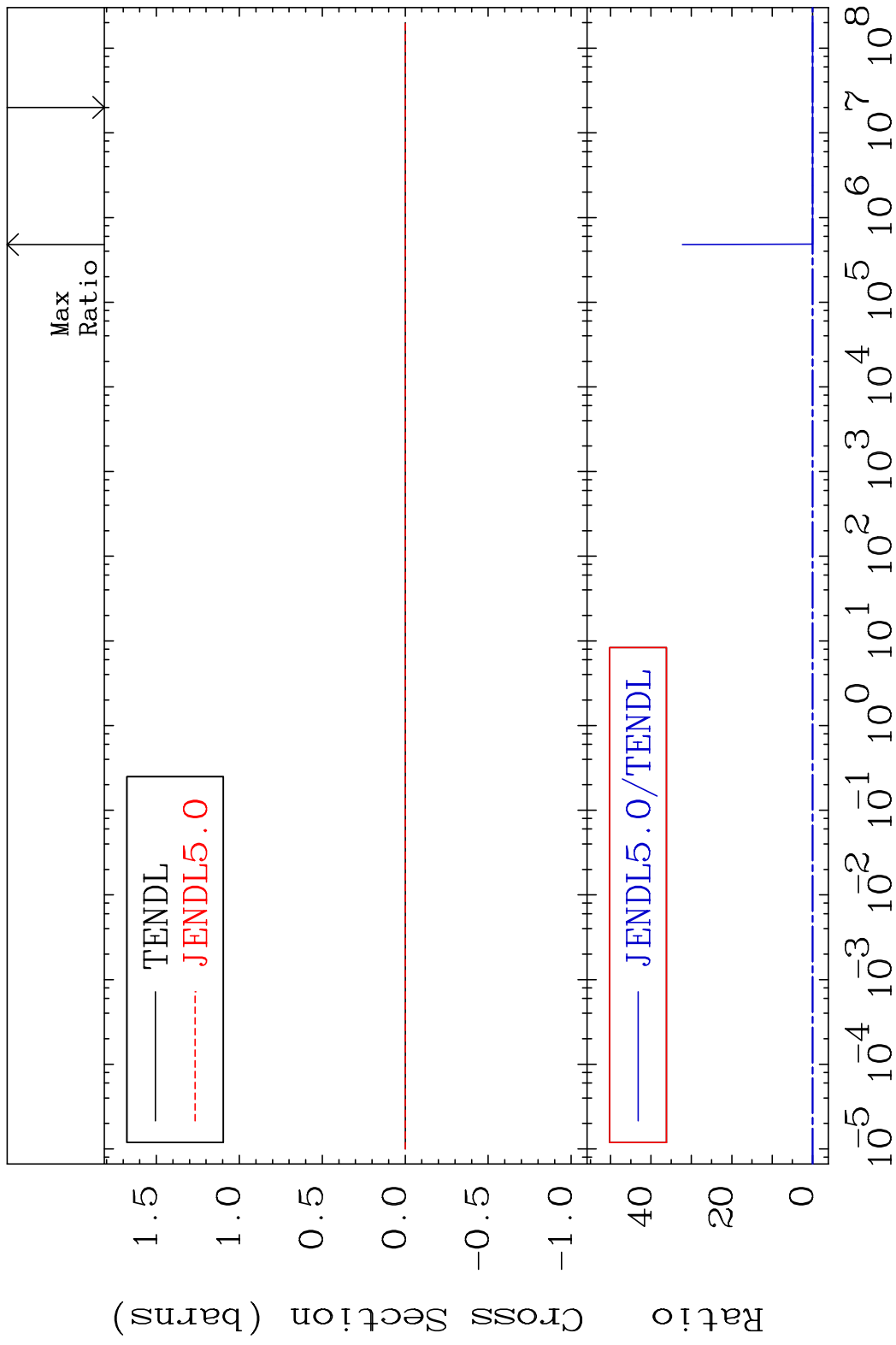
MAT 4443 Kerma non-elastic (all but mt2) 44-Ru-102
Cross Section -9999. To 9999. %



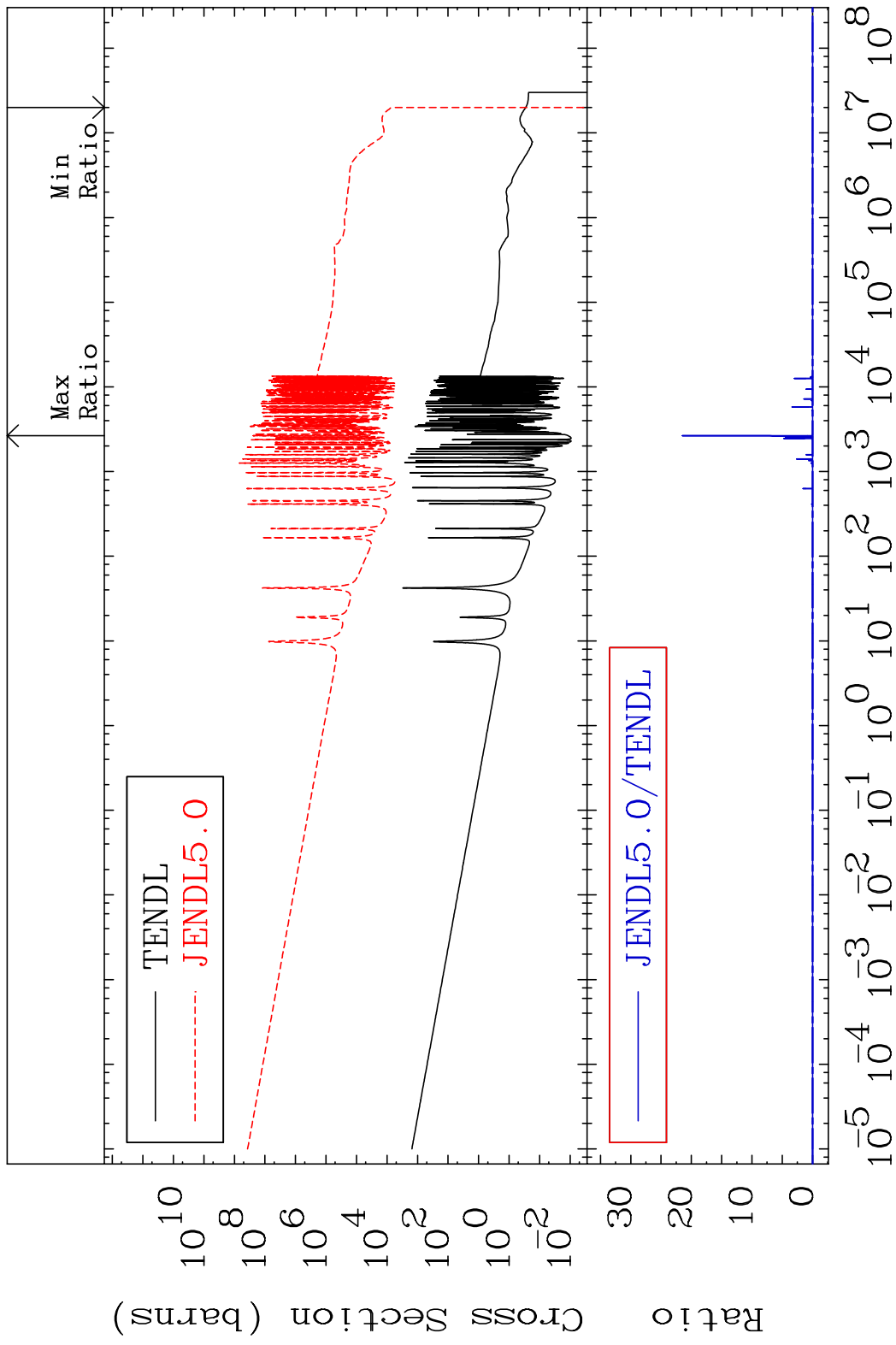
MAT 4443 Kerma inelastic (mt51-91) 44-Ru-102
 Cross Section -100.0 To 9999. %



MAT 4443 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-102
 Cross Section -100.0 To 9999. %

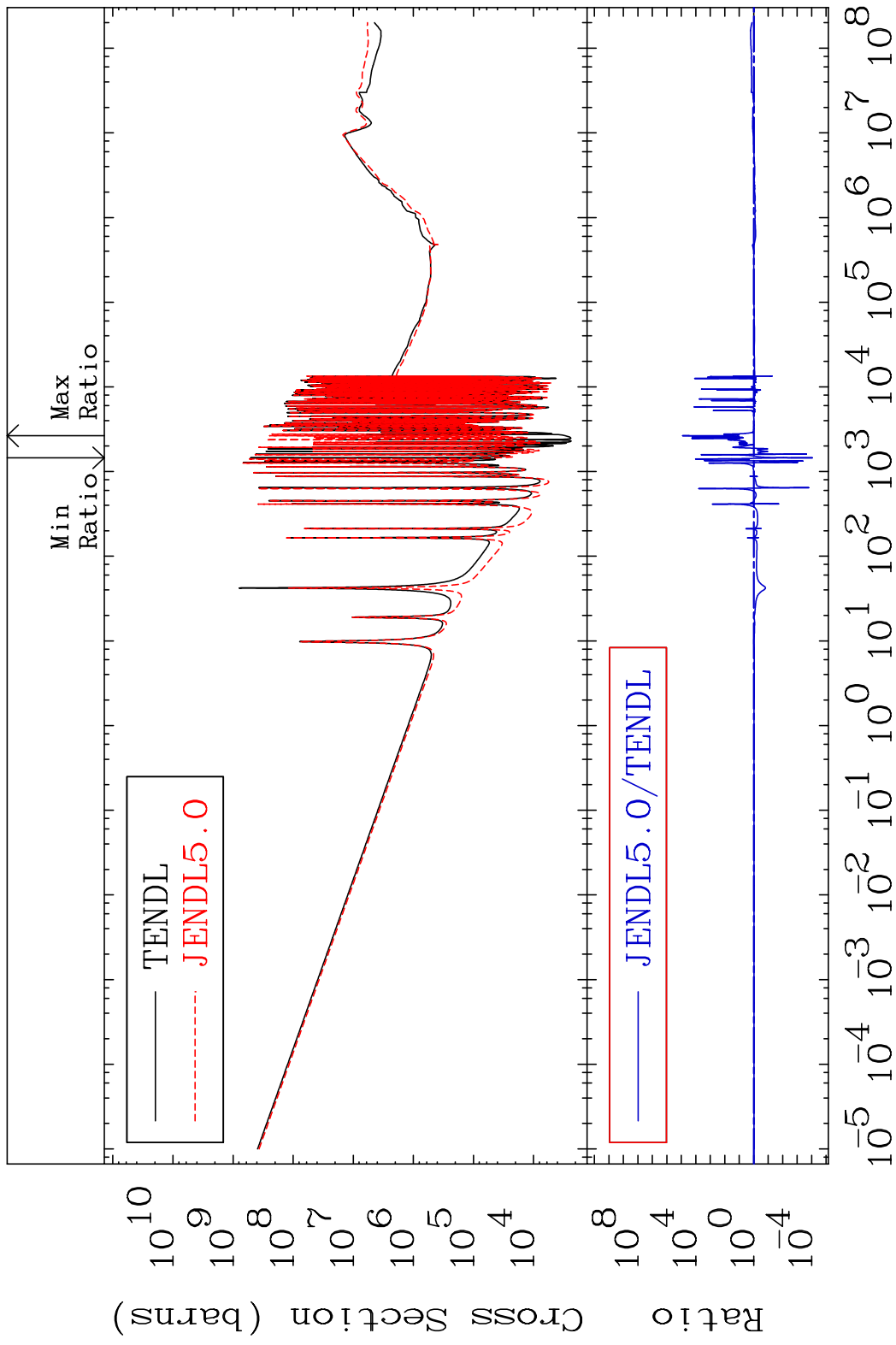


MAT 4443 Kerma capture (mt102) 44-Ru-102
 Cross Section -100.0 To 9999. %

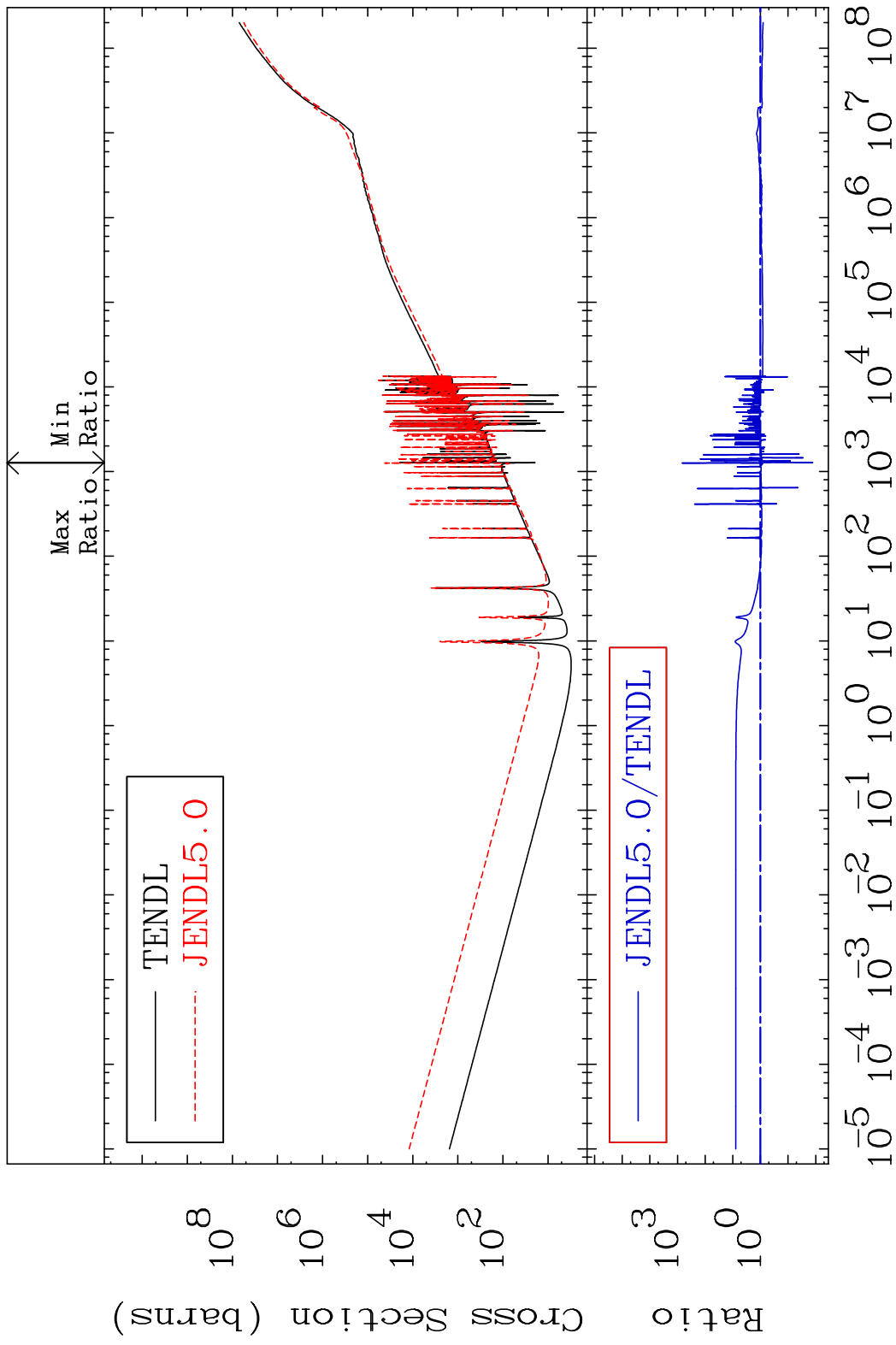


52 Incident Energy (eV) 44-Ru-102

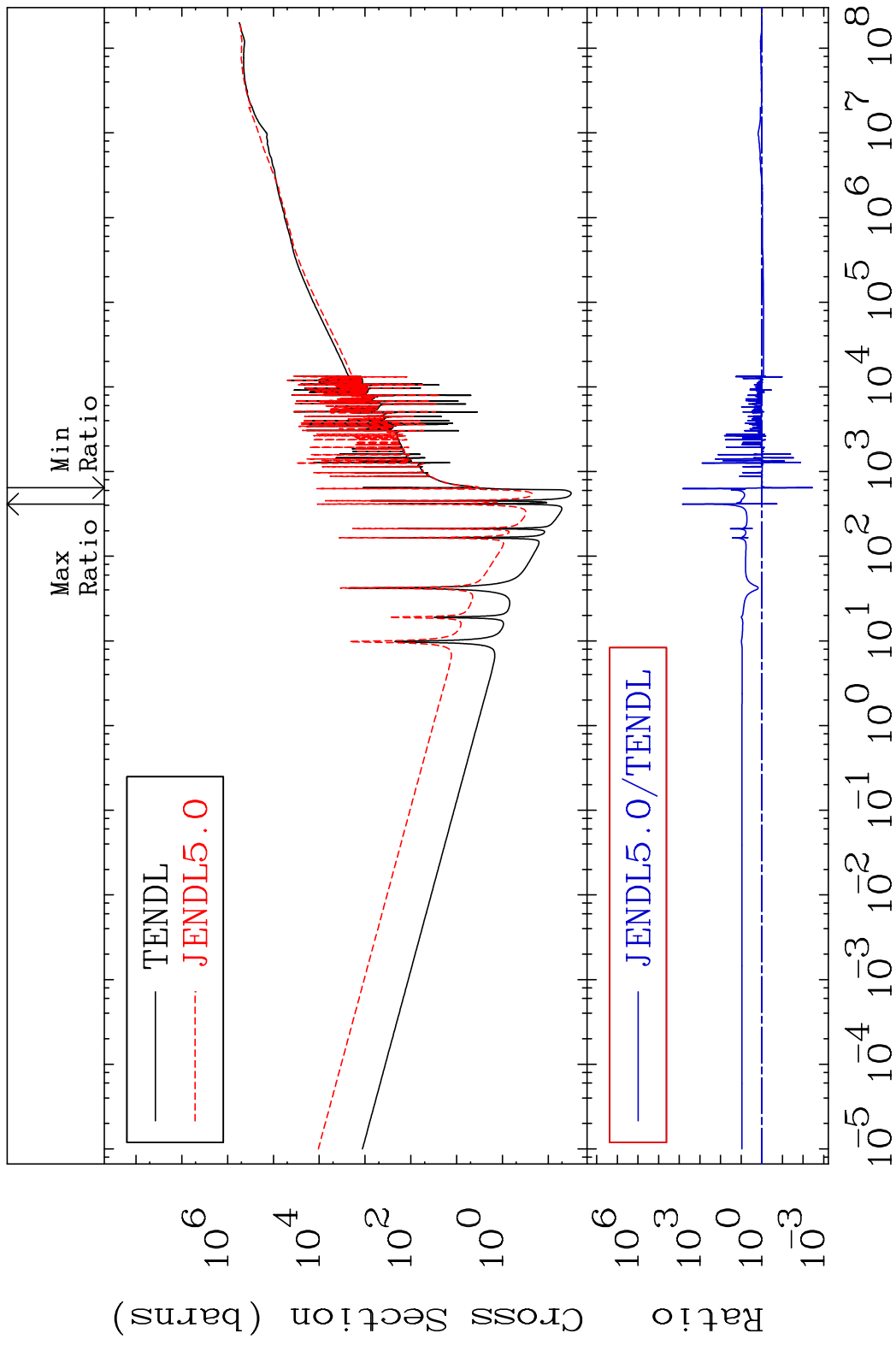
MAT 4443 Total photon (eV-barns) 44-Ru-102
 Cross Section -99.99 To 9999. %



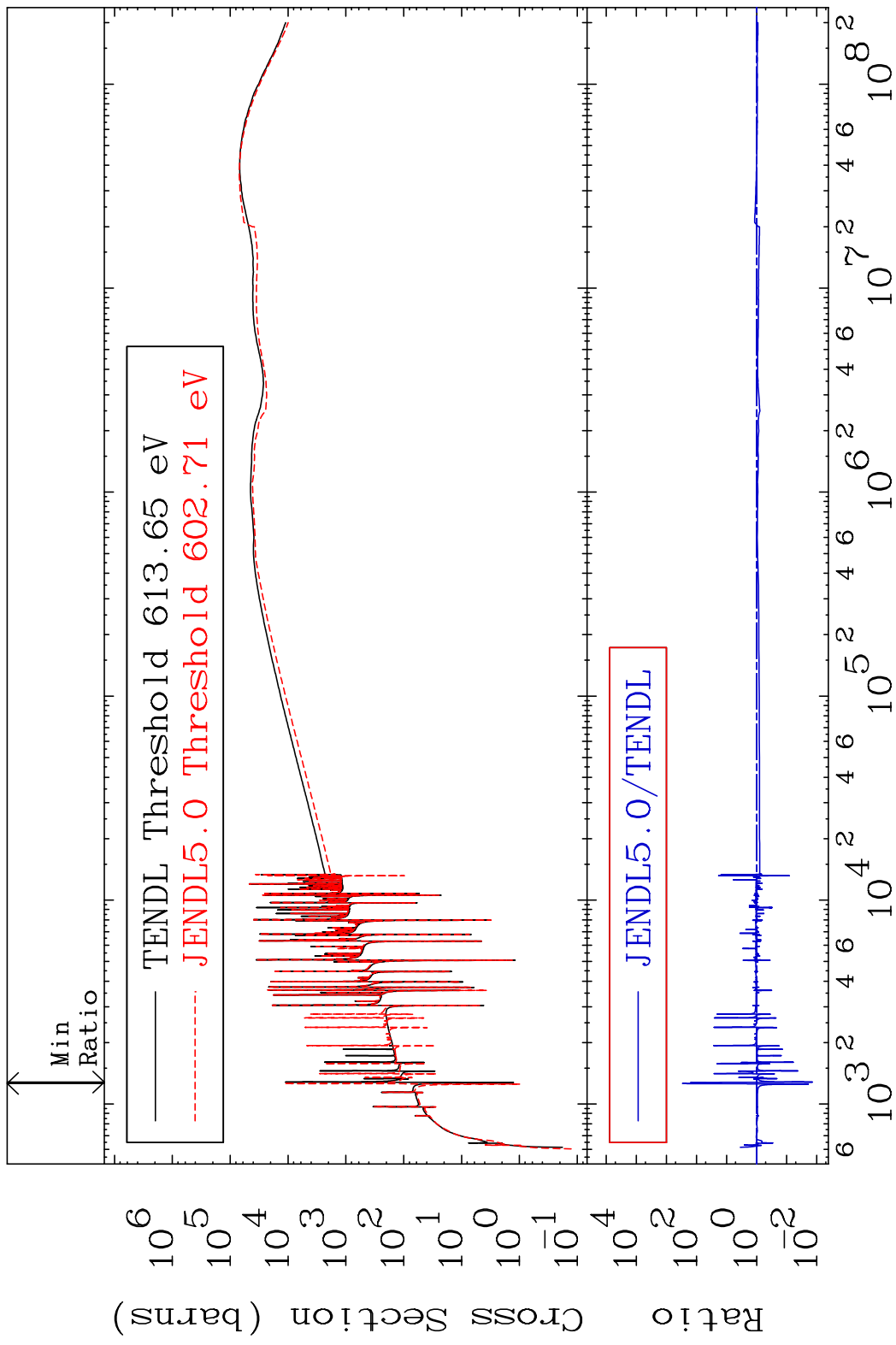
MAT 4443 Total kinematic kerma (high limit) 44-Ru-102
 Cross Section -98.70 To 9999. %



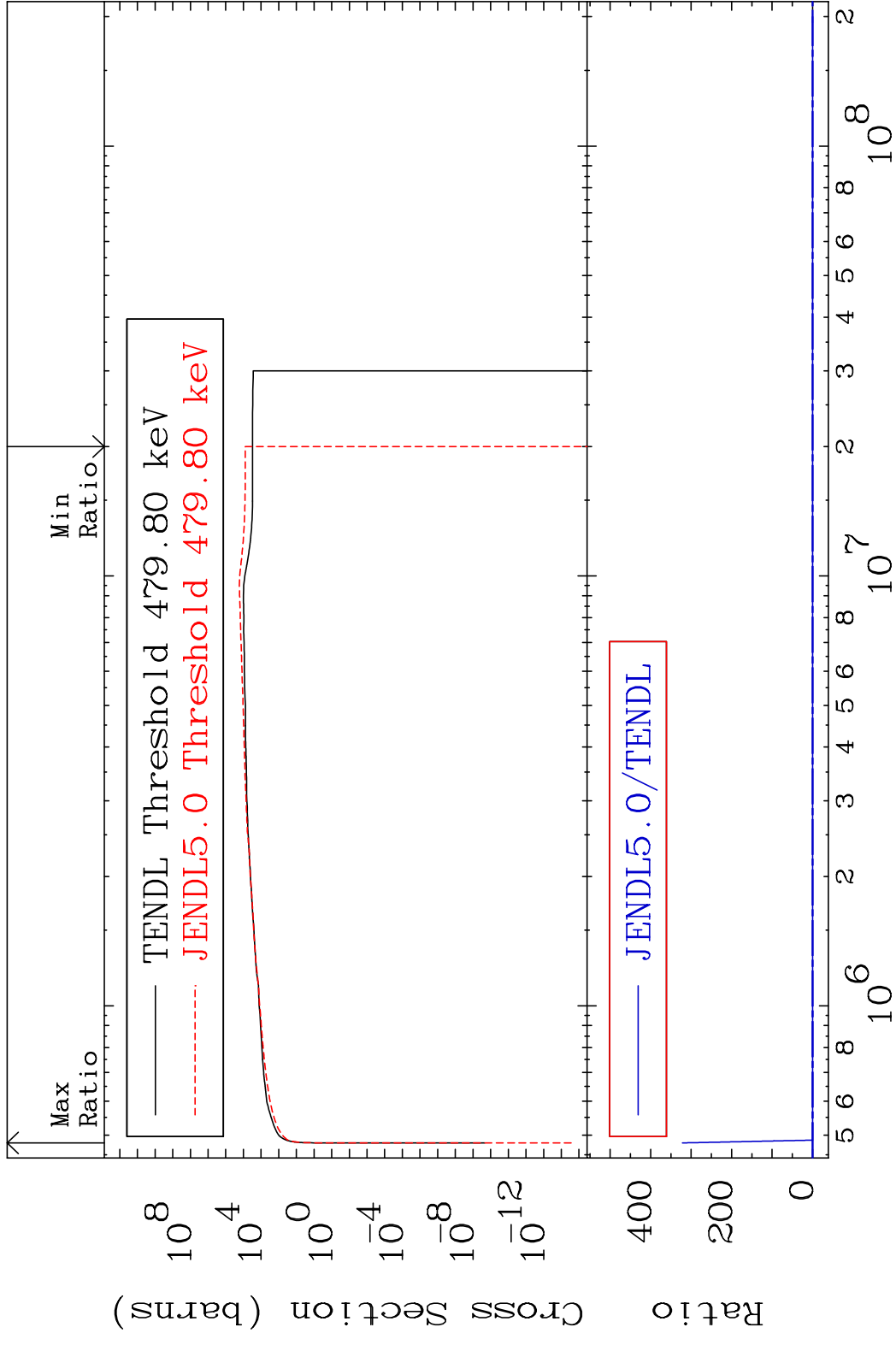
MAT 4443 Dpa total (eV-barns) 44-Ru-102
 Cross Section -99.65 To 9999. %



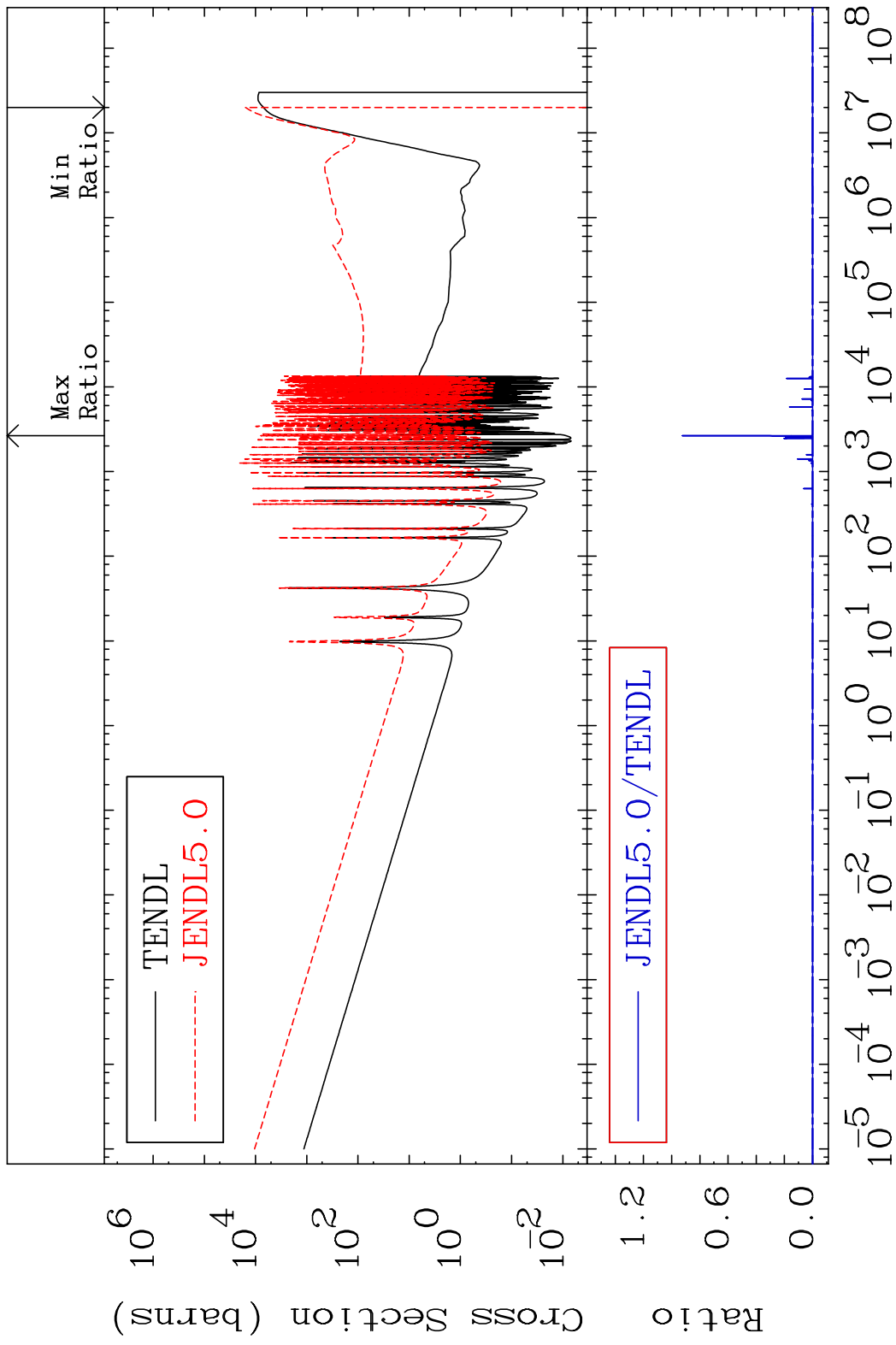
MAT 4443 Dpa elastic (mt2) 44-Ru-102
 Cross Section -98.62 To 9999. %



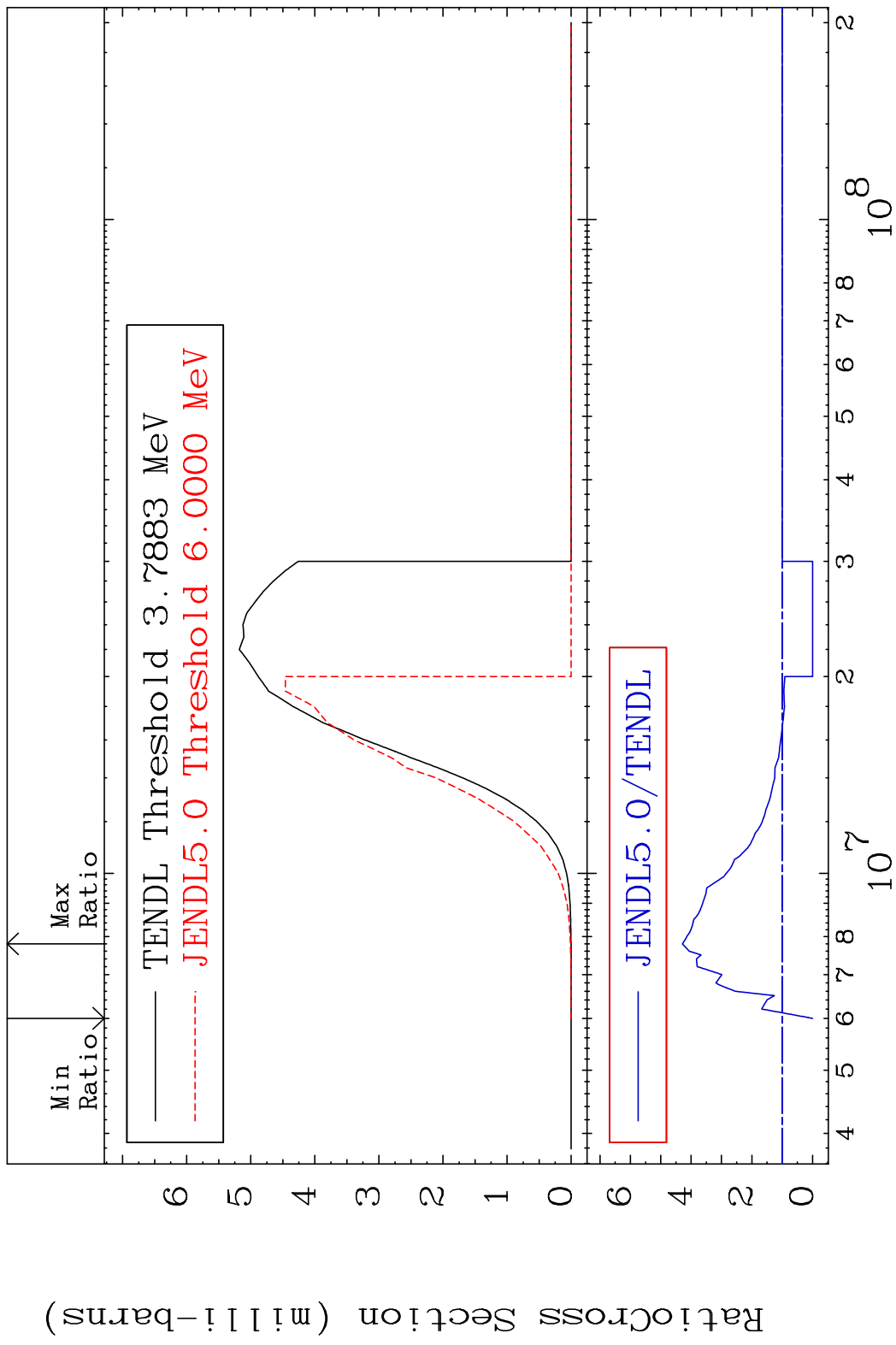
MAT 4443 Dpa inelastic (mt51-91) 44-Ru-102
 Cross Section -100.0 To 9999. %



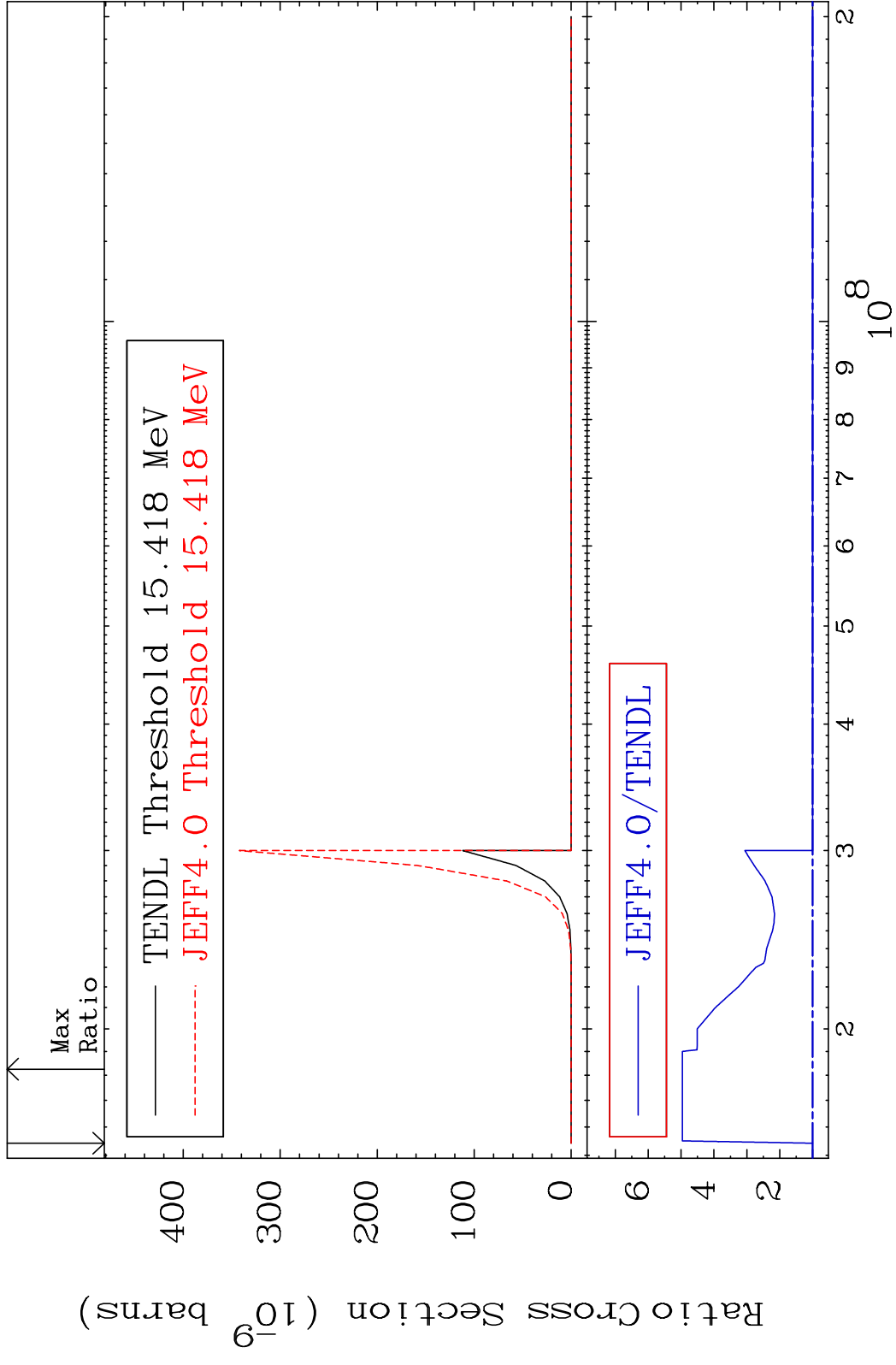
MAT 4443 Dpa disappearance (mt102 -120) 44-Ru-102
 Cross Section -100.0 To 9999. %



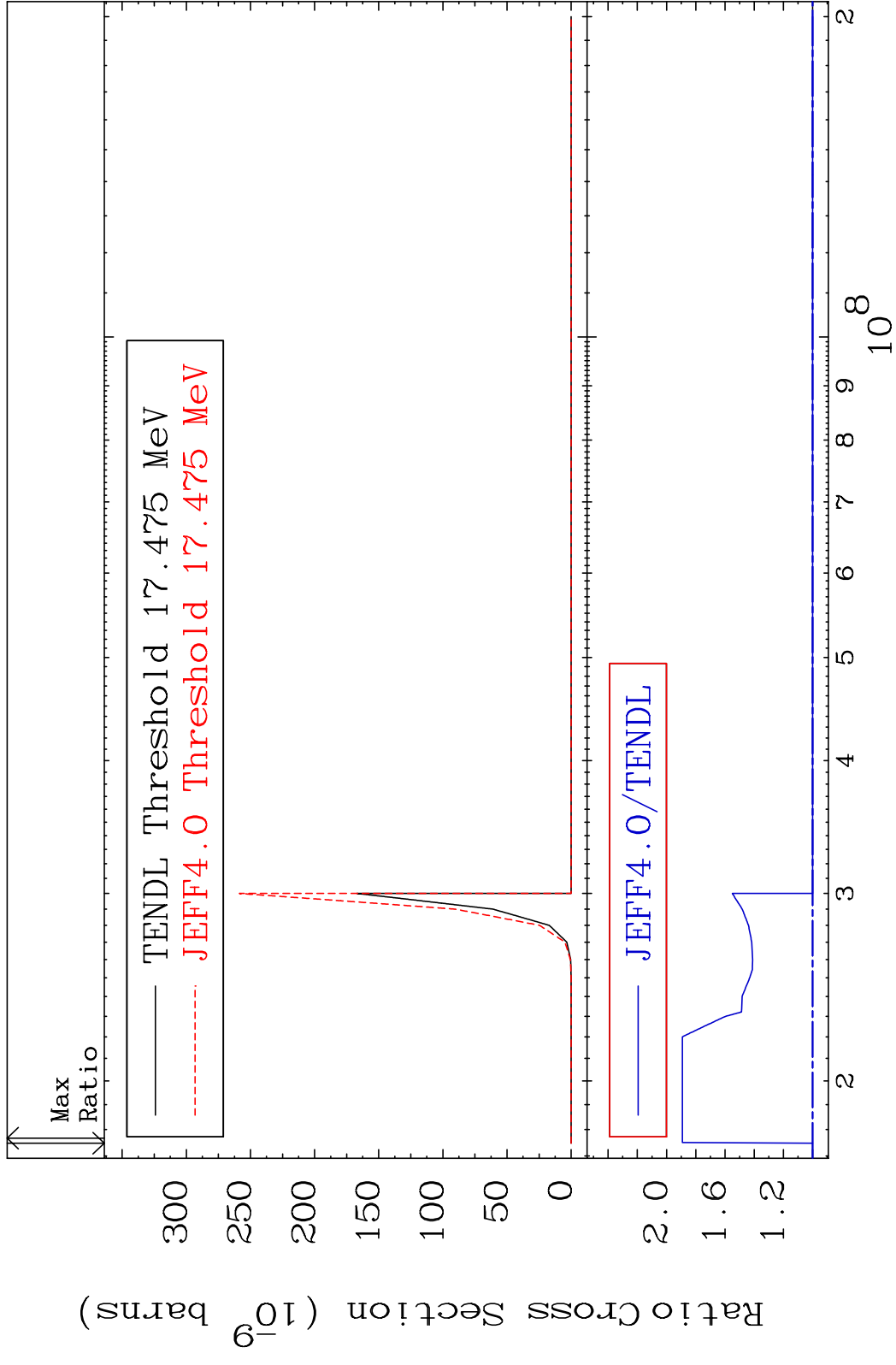
MAT 4443 (n,p):43-Tc-102g 44-Ru-102
 Radionuclide Production Cross Section 328.8 %



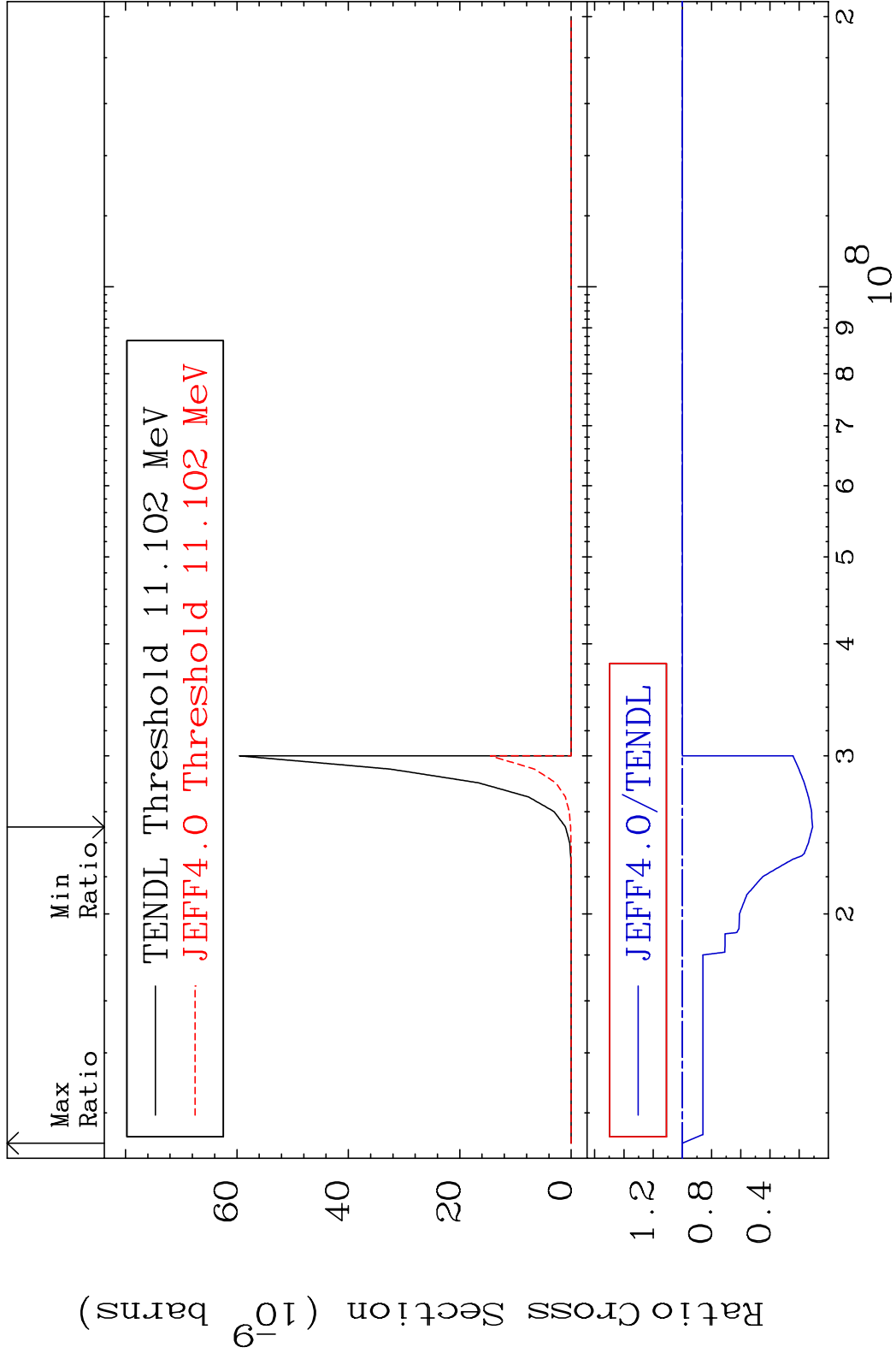
MAT 4443 (n,p) d 44-Ru-102
 Cross Section 0.000 To 396.2 %



MAT 4443 (n,p) t 44-Ru-102
 Cross Section 0.000 To 89.17 %



MAT 4443 (n,d) α 44-Ru-102
 Cross Section -89.10 To 0.000 %

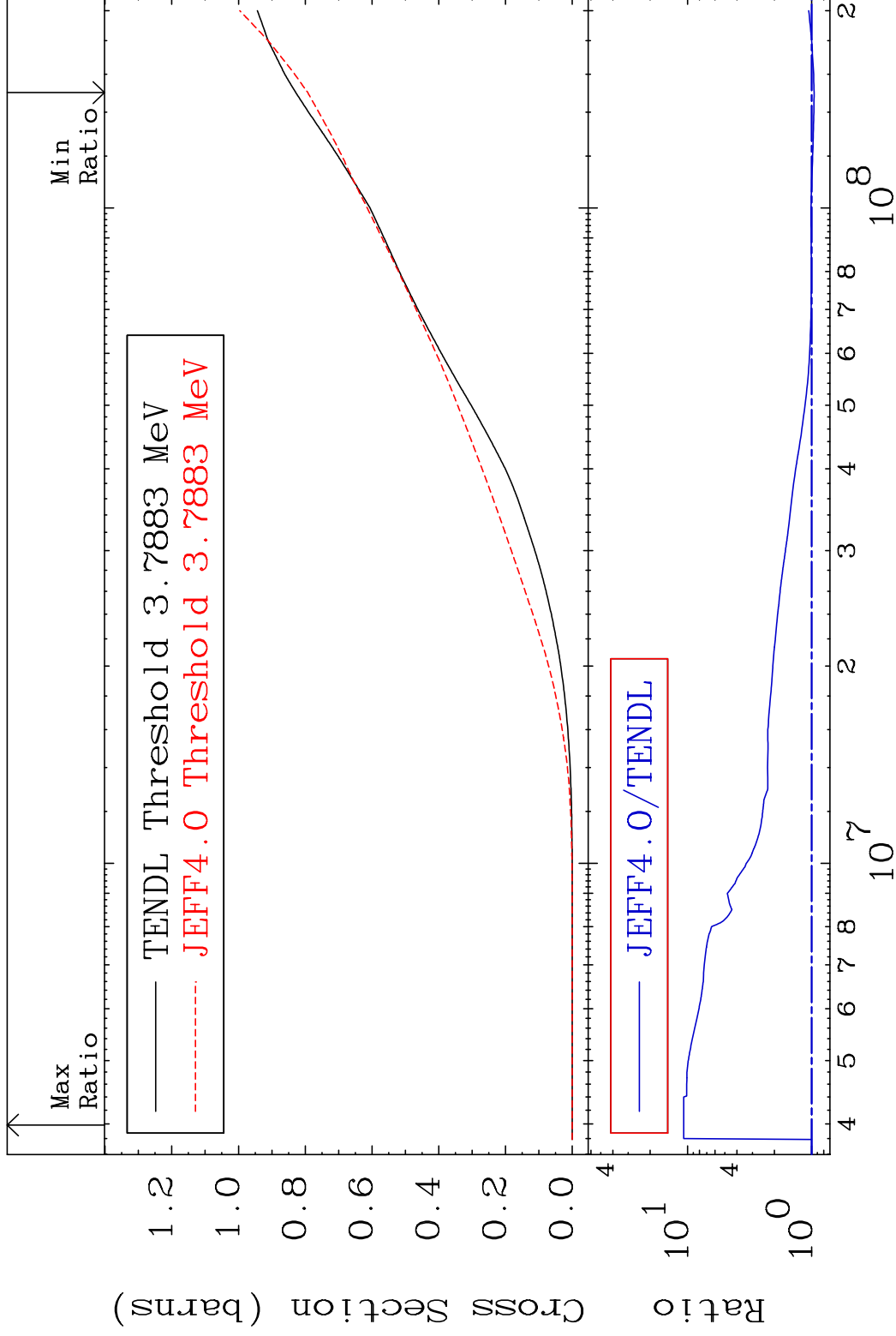


MAT 4443

Hydrogen Production

44-Ru-102

Cross Section -4.347 To 974.5 %



63

Incident Energy (eV)

44-Ru-102

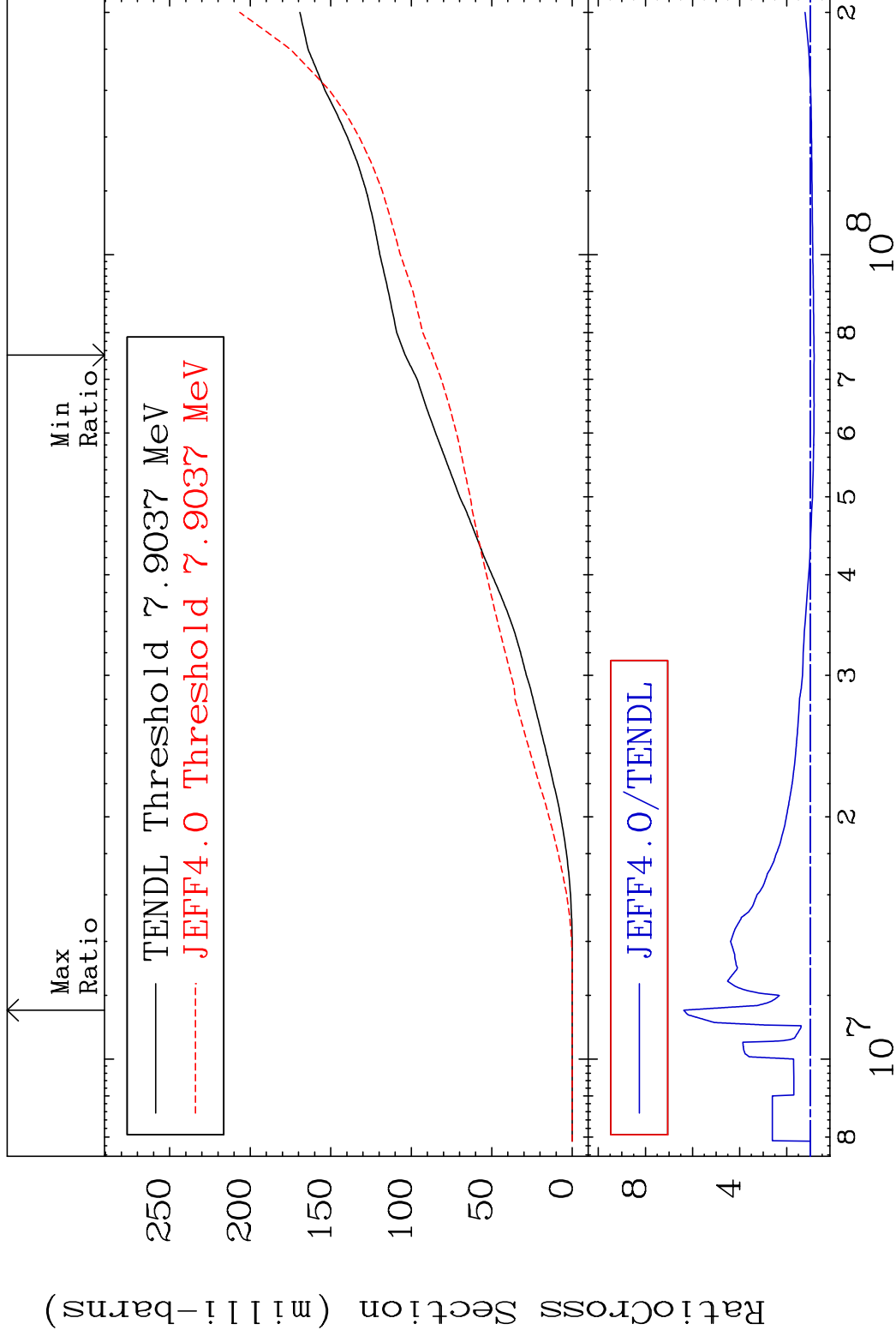
MAT 4443

Deuterium Production

44-Ru-102

Cross Section

-16.31 To 537.7 %



64

Incident Energy (eV)

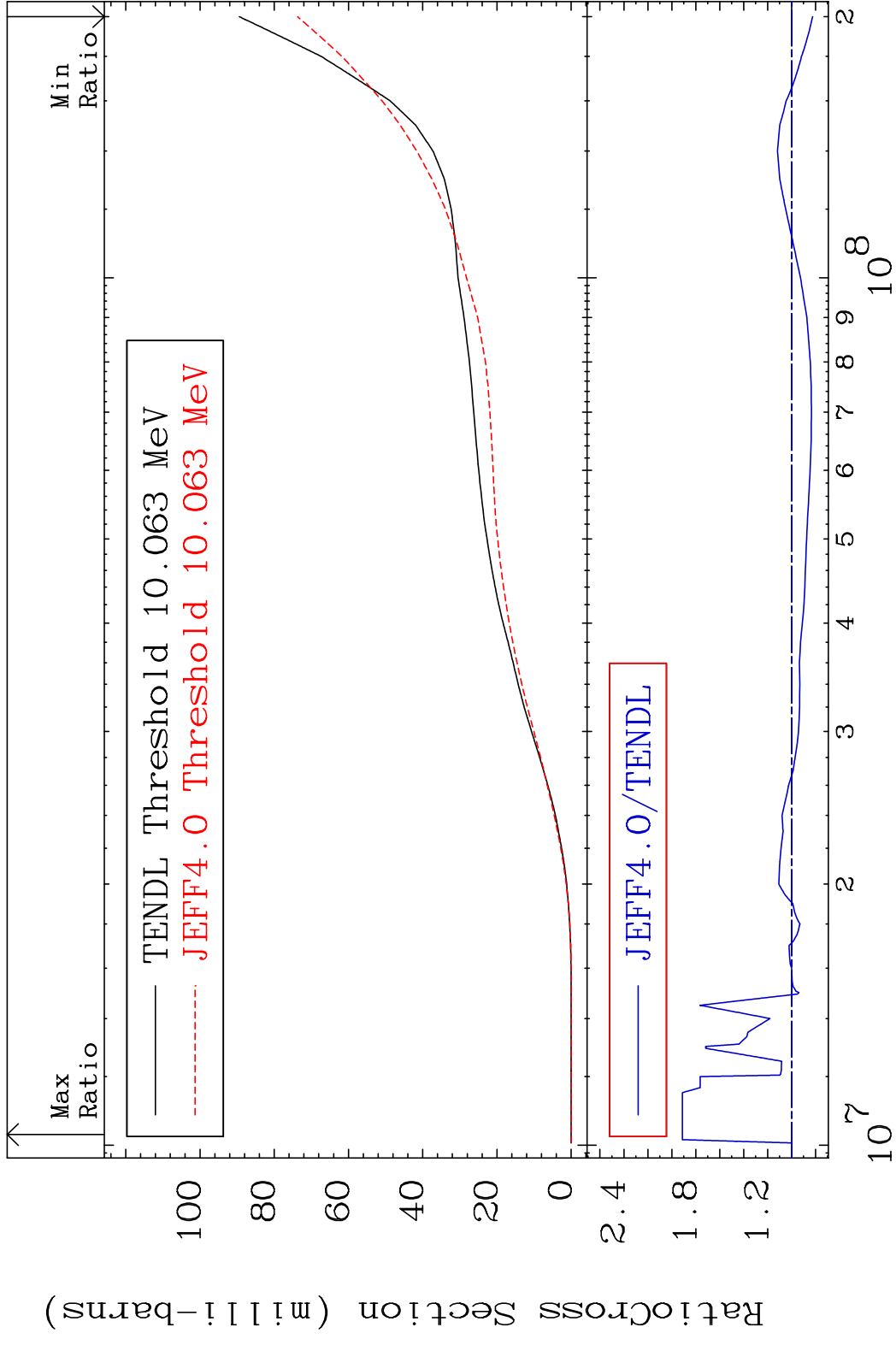
44-Ru-102

MAT 4443

Tritium Production

44-Ru-102

Cross Section -17.56 To 91.18 %

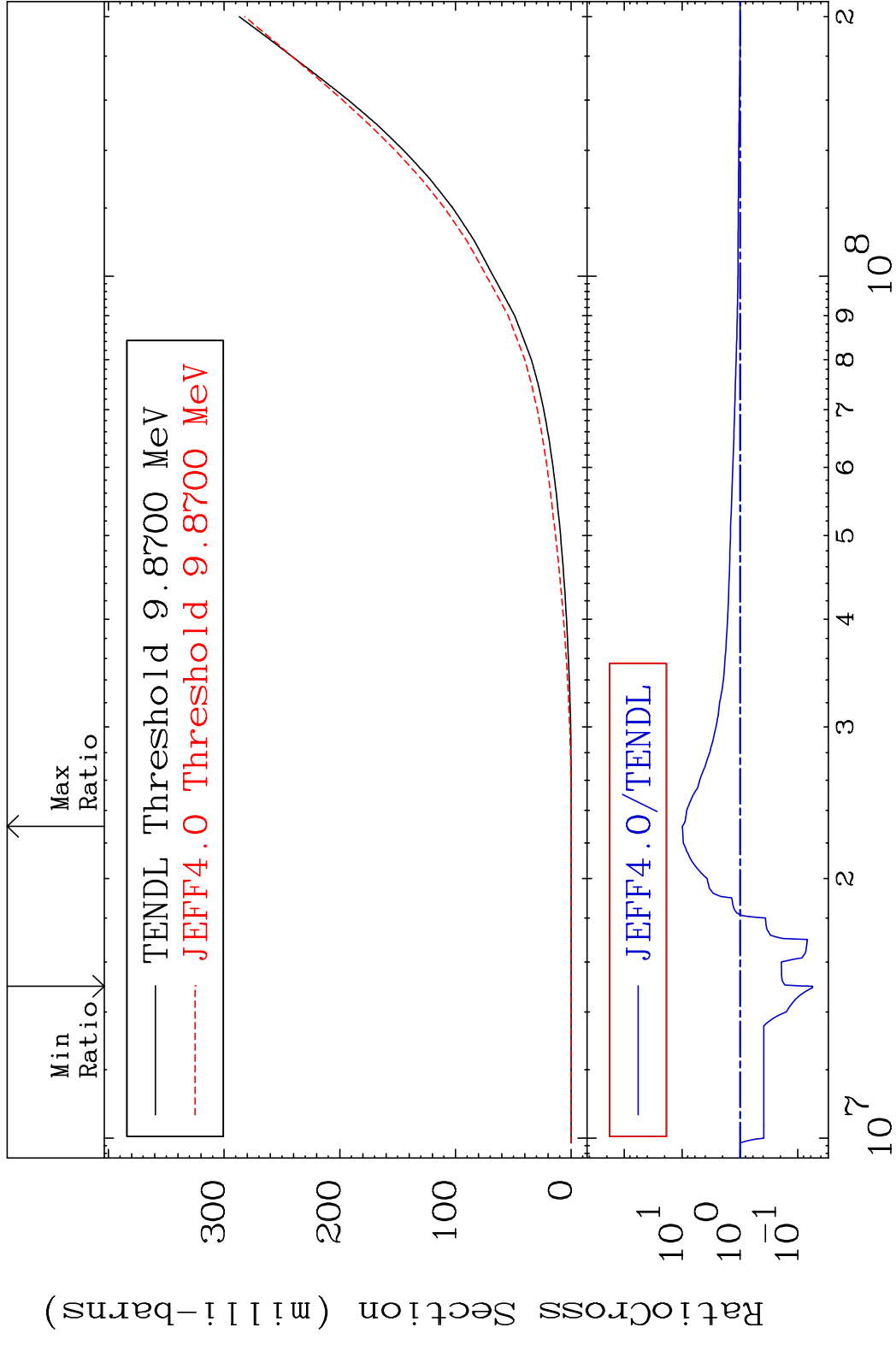


65

Incident Energy (eV)

44-Ru-102

MAT 4443 He-3 Production 44-Ru-102
 Cross Section -94.42 To 890.4 %



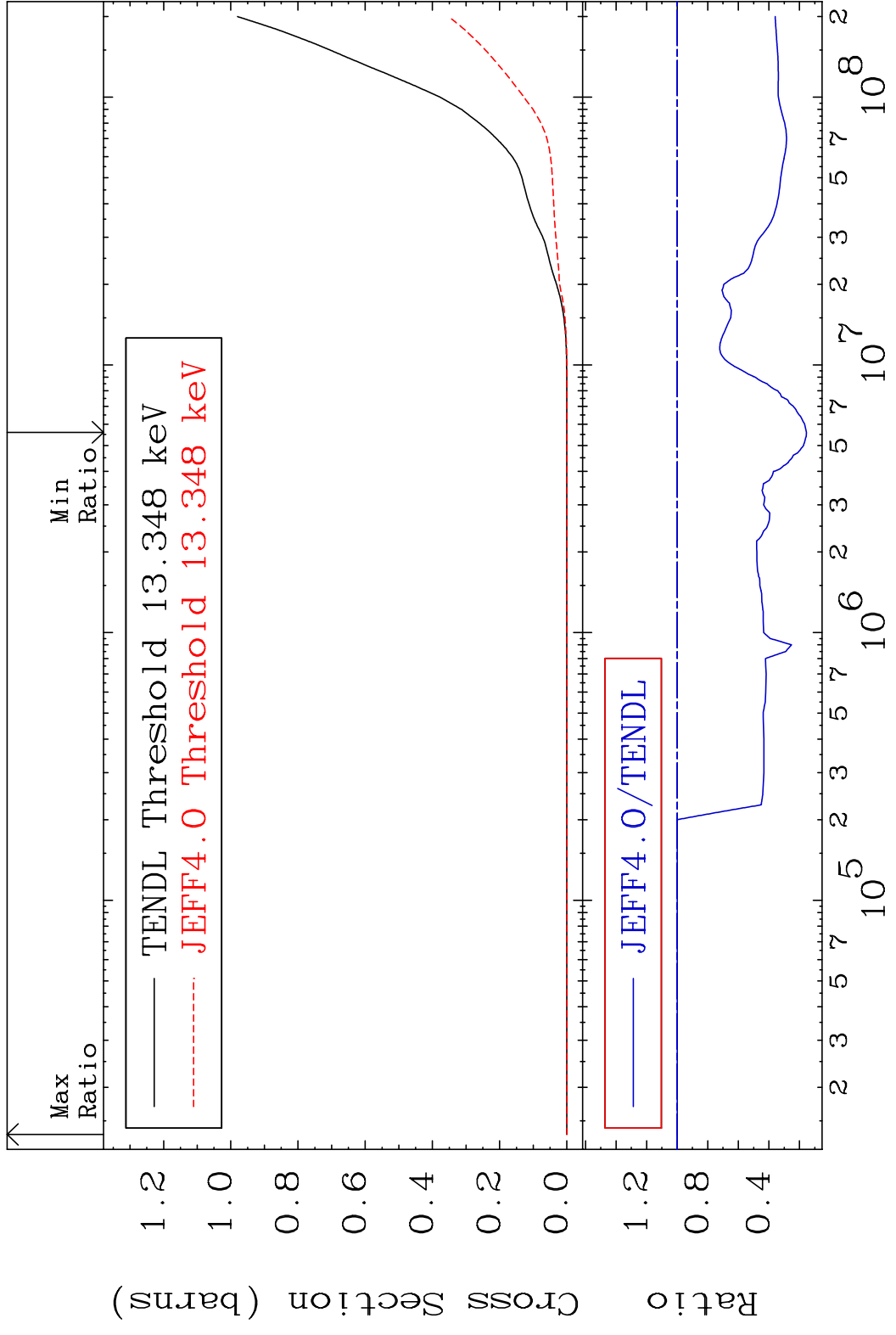
66 44-Ru-102

MAT 4443

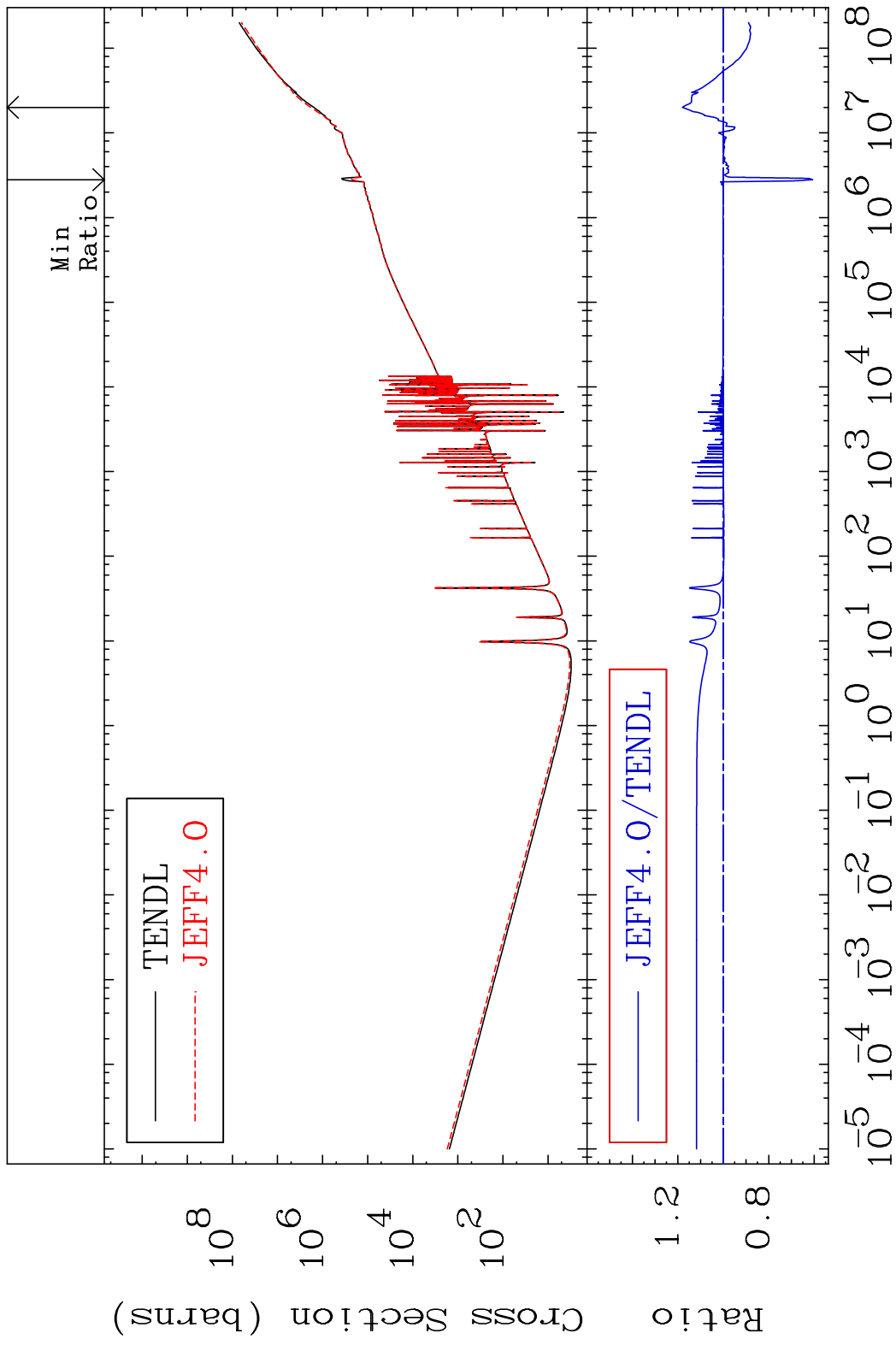
He-4 Production

44-Ru-102

Cross Section -84.54 To 0.000 %



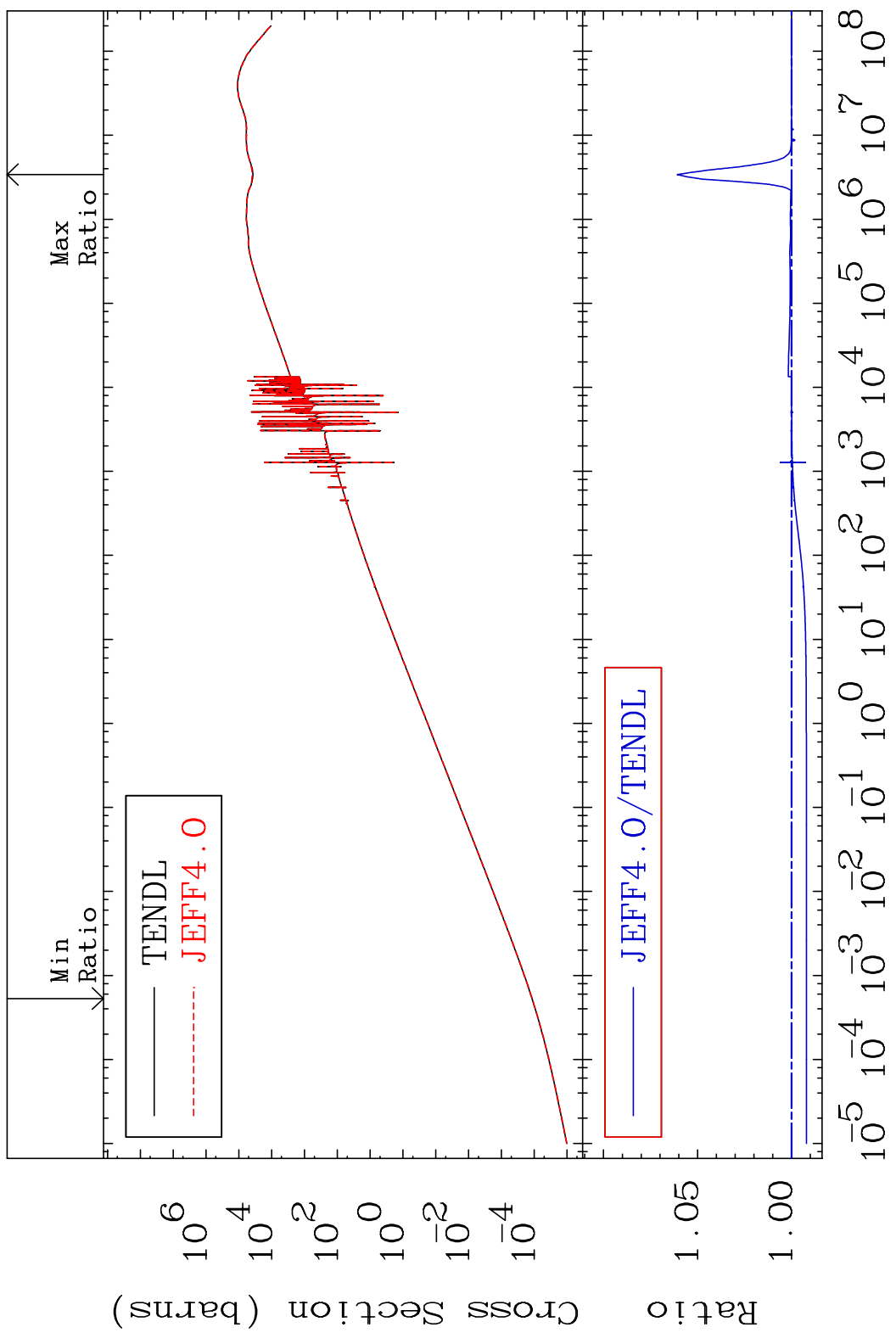
MAT 4443 Kerma total (eV-barns) 44-Ru-102
Cross Section -39.26 To 18.01 %



MAT 4443

Kerma elastic
Cross Section

44-Ru-102
-0.789 To 6.083 %

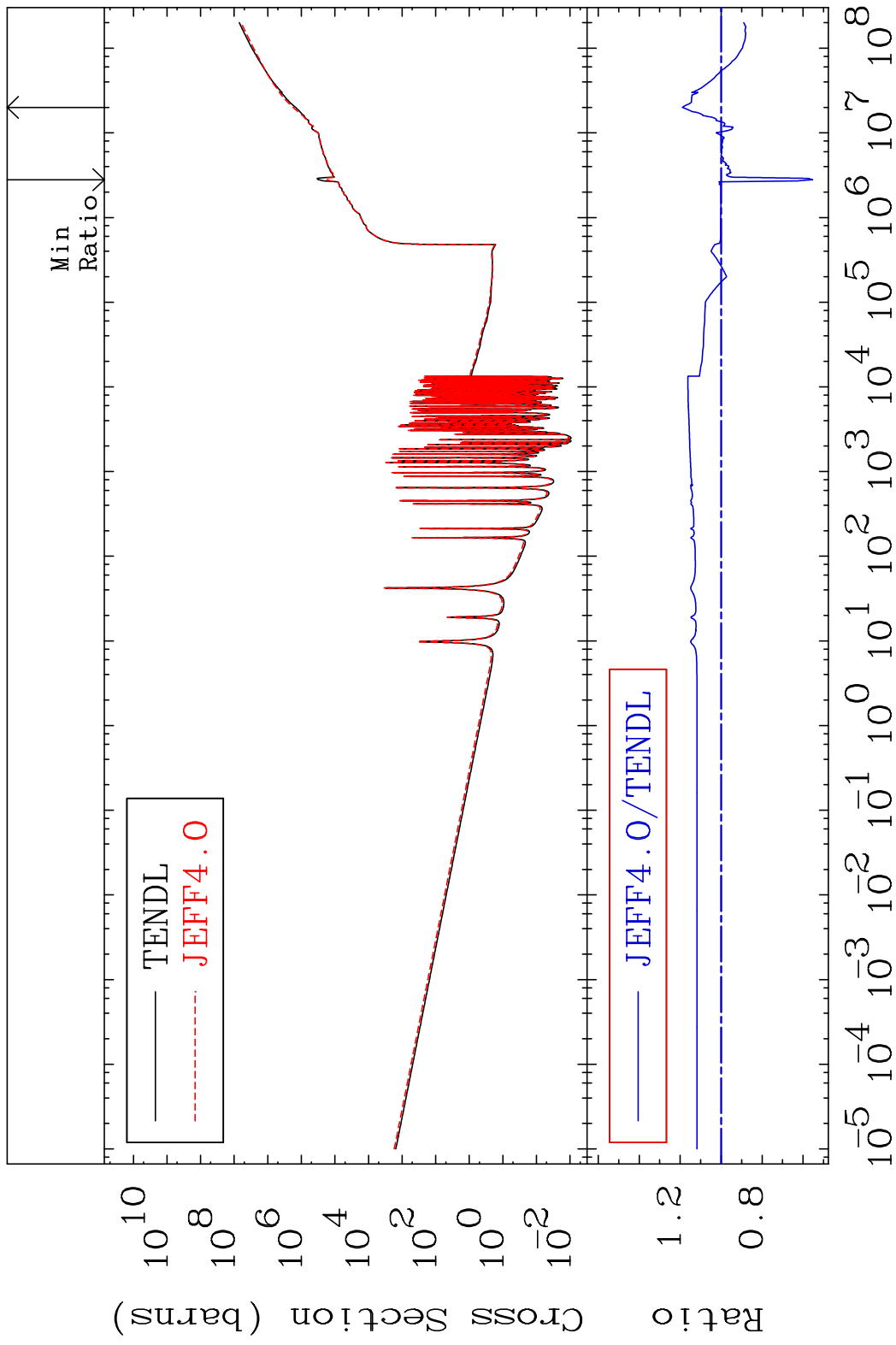


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Incident Energy (eV)

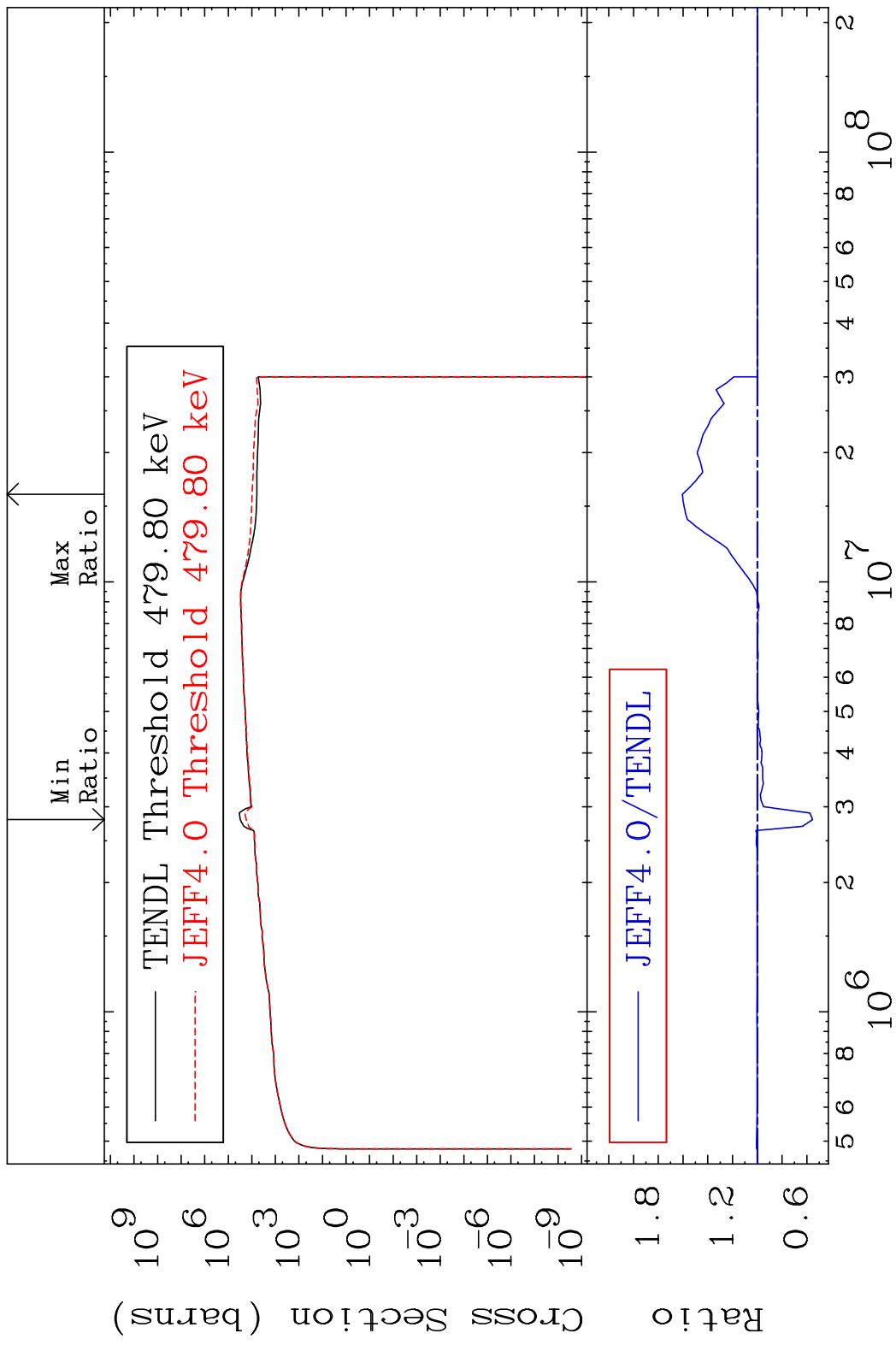
44-Ru-102

MAT 4443 Kerma non-elastic (all but mt2) 44-Ru-102
 Cross Section -44.61 To 18.93 %

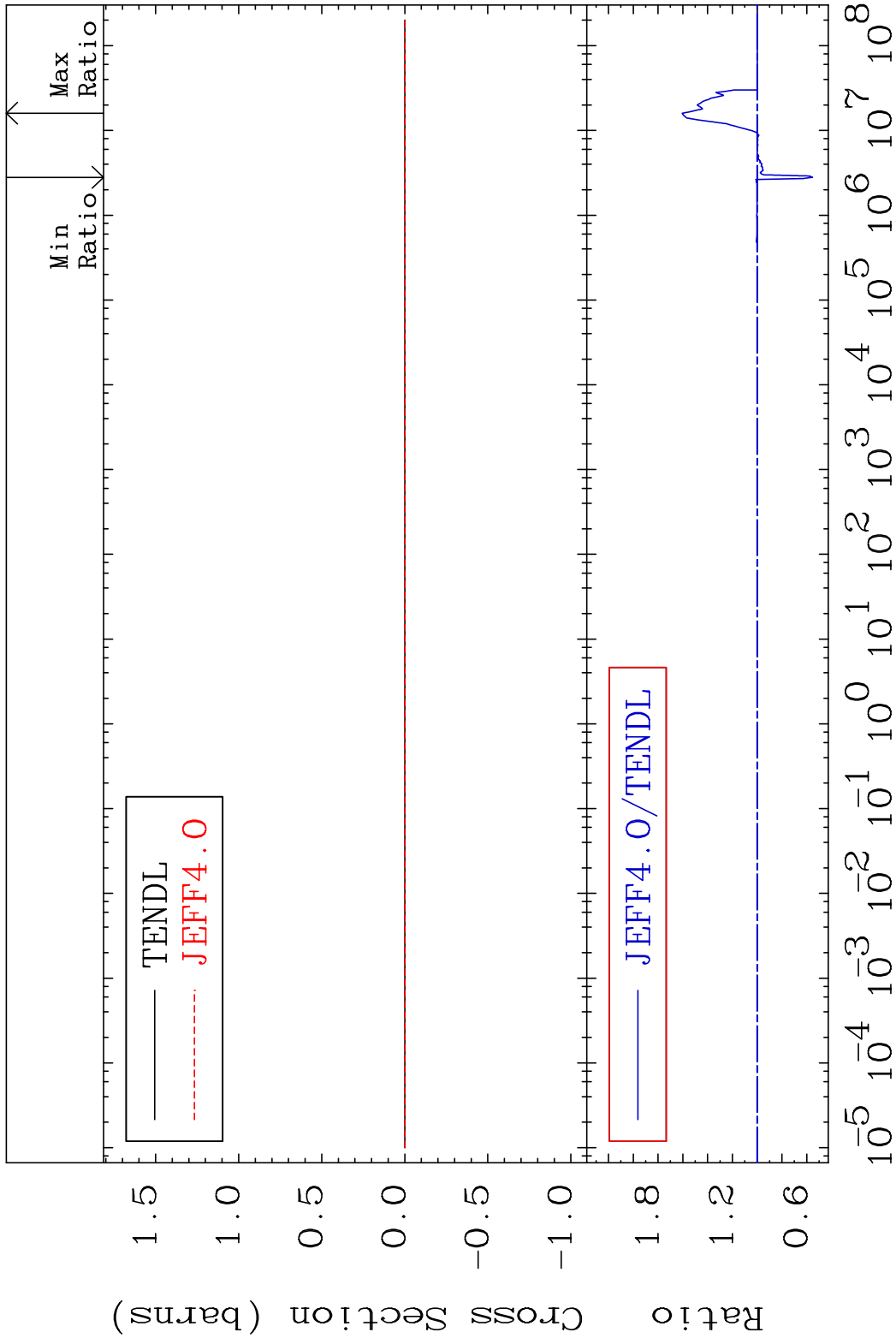


70 Incident Energy (eV) 44-Ru-102

MAT 4443 Kerma inelastic (mt51-91) 44-Ru-102
 Cross Section -44.61 To 60.53 %

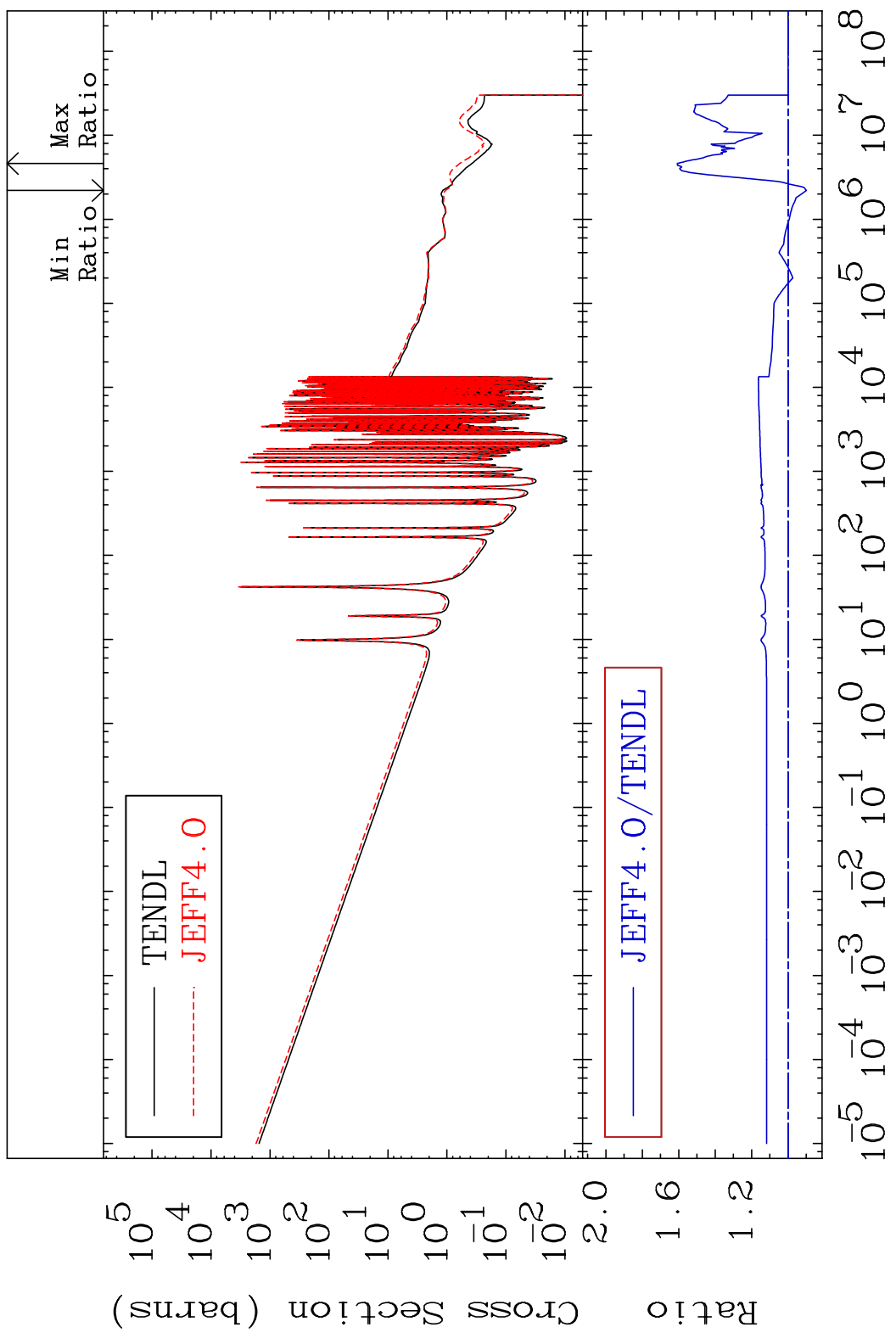


MAT 4443 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-102
 Cross Section -44.61 To 60.53 %



MAT 4443

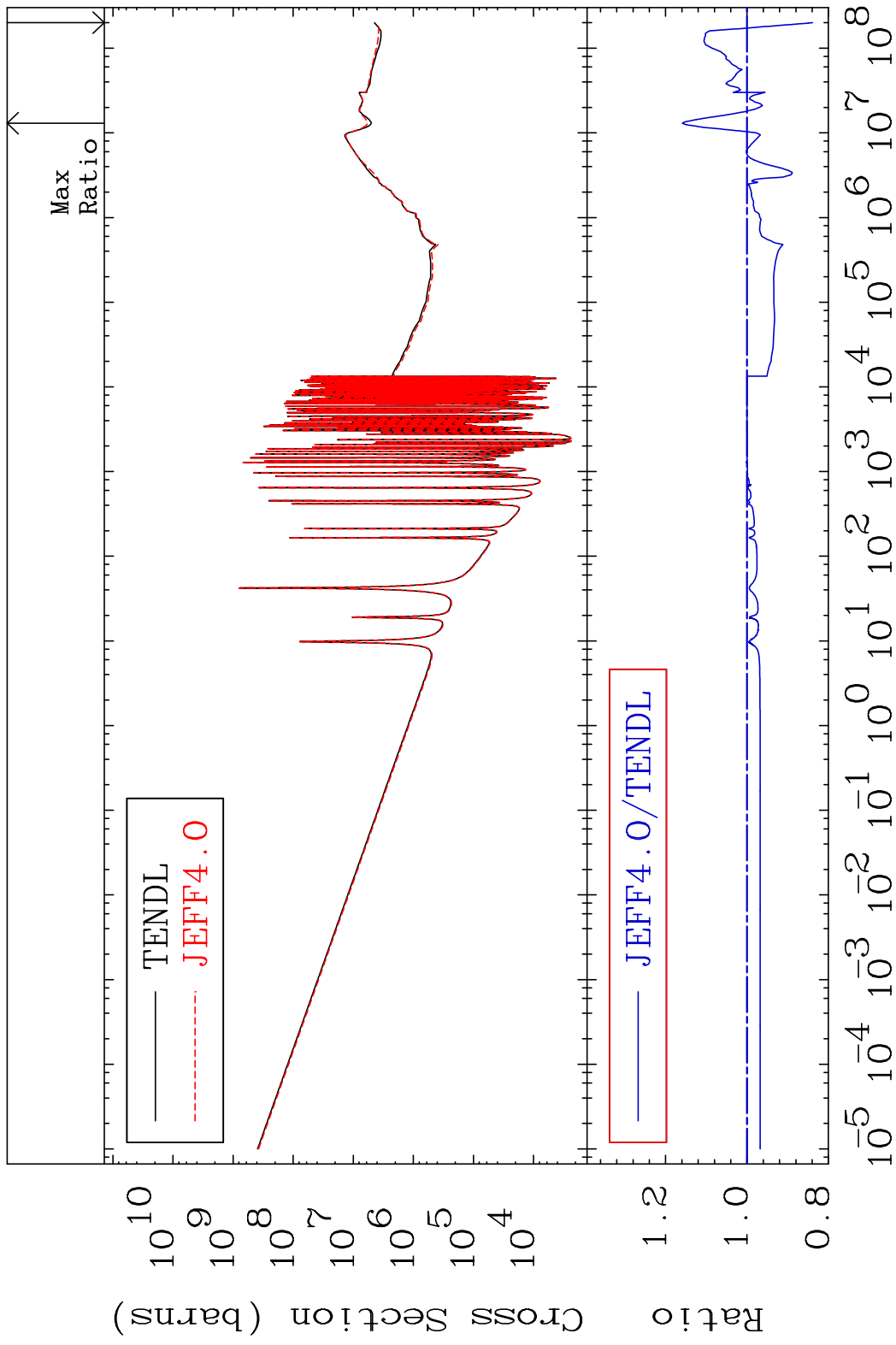
Kerma capture (mt102) 44-Ru-102
Cross Section -10.07 To 60.86 %



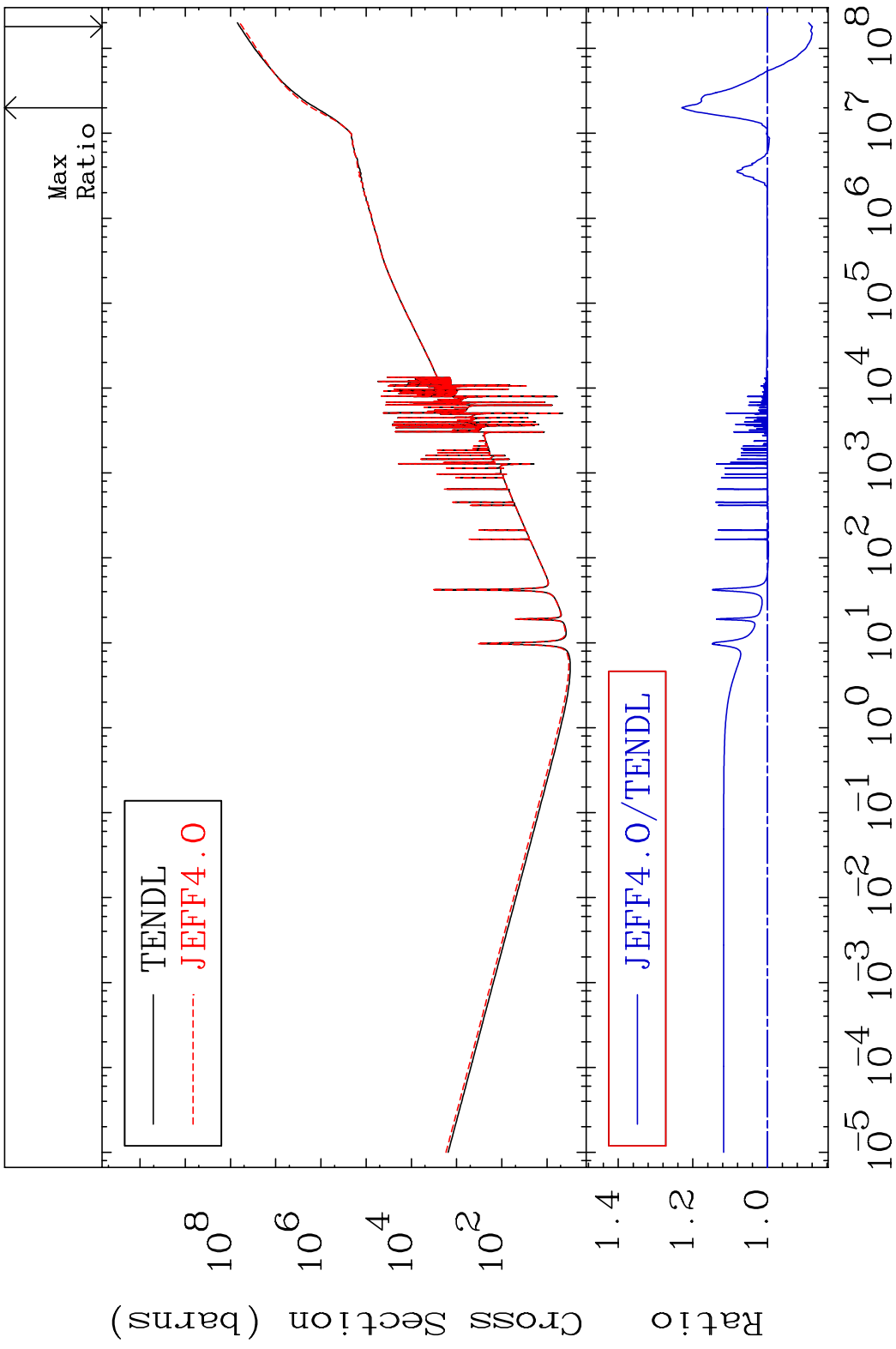
73

Incident Energy (eV) 44-Ru-102

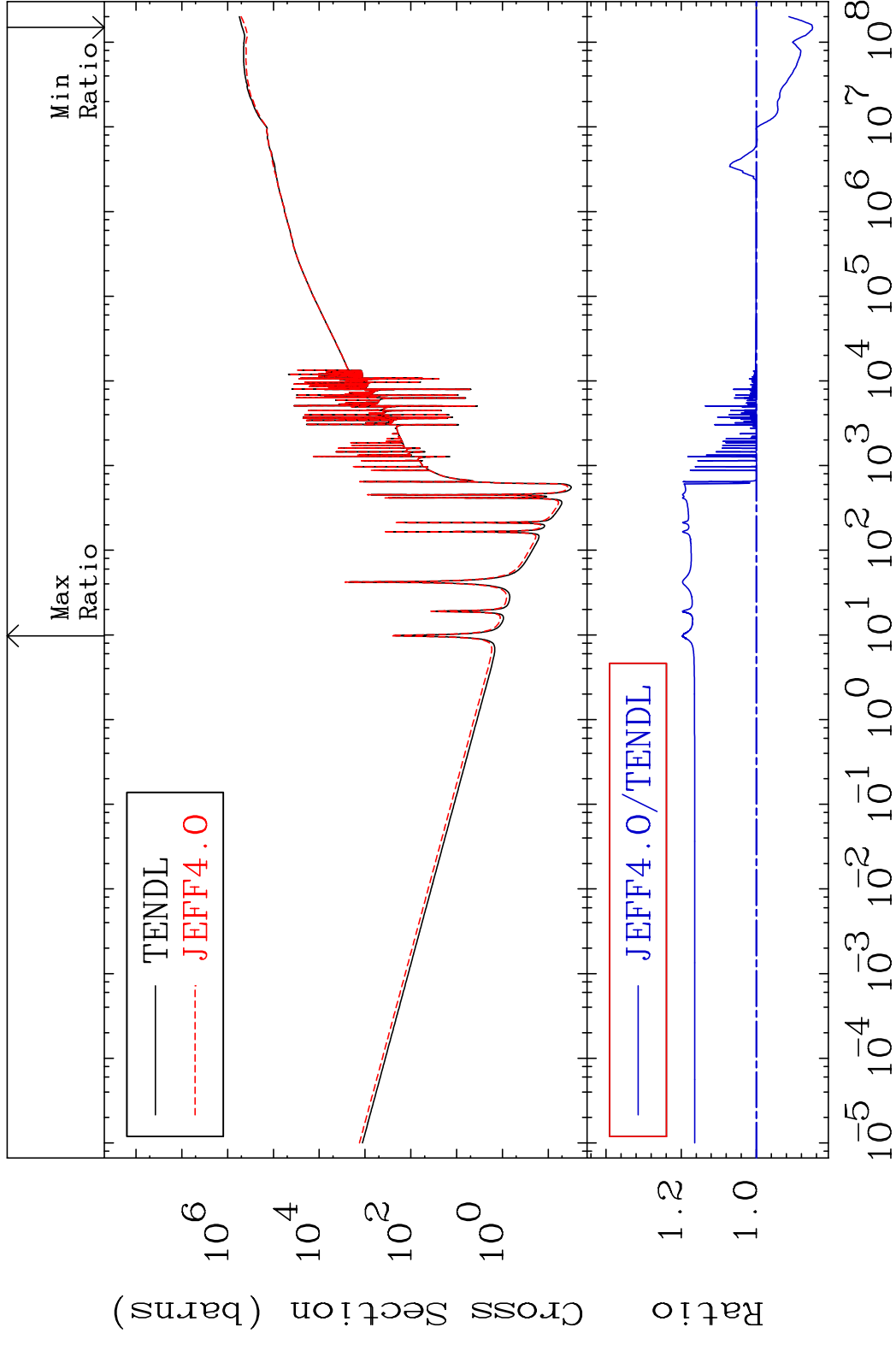
MAT 4443 Total photon (eV-barns) 44-Ru-102
Cross Section -16.11 To 15.88 %



MAT 4443 Total kinematic kerma (high limit) 44-Ru-102
Cross Section -12.04 To 22.98 %



MAT 4443 Dpa total (eV-barns) 44-Ru-102
 Cross Section -14.94 To 19.68 %

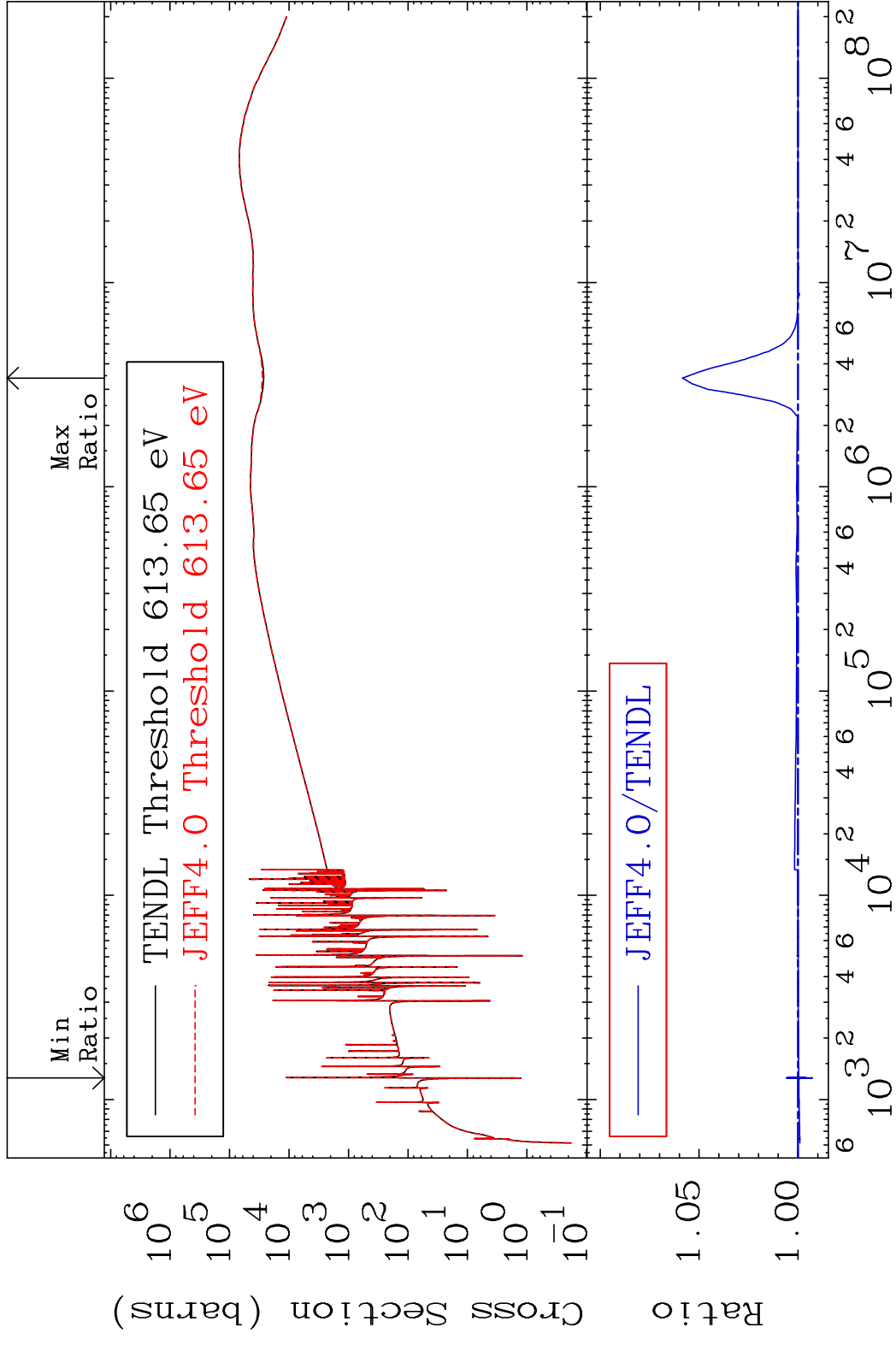


MAT 4443

Dpa elastic (mt2)

44-Ru-102

Cross Section -0.735 To 5.847 %

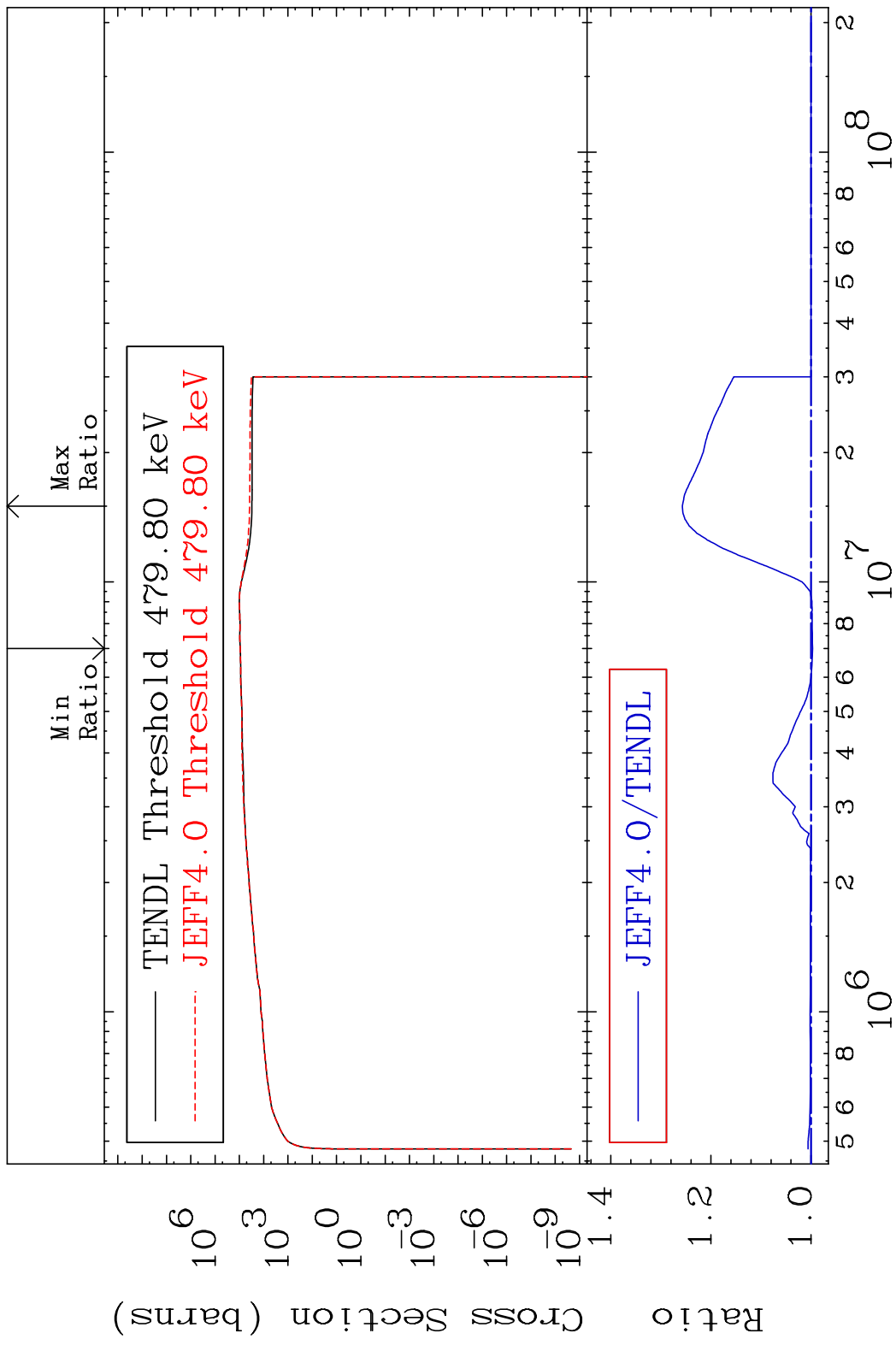


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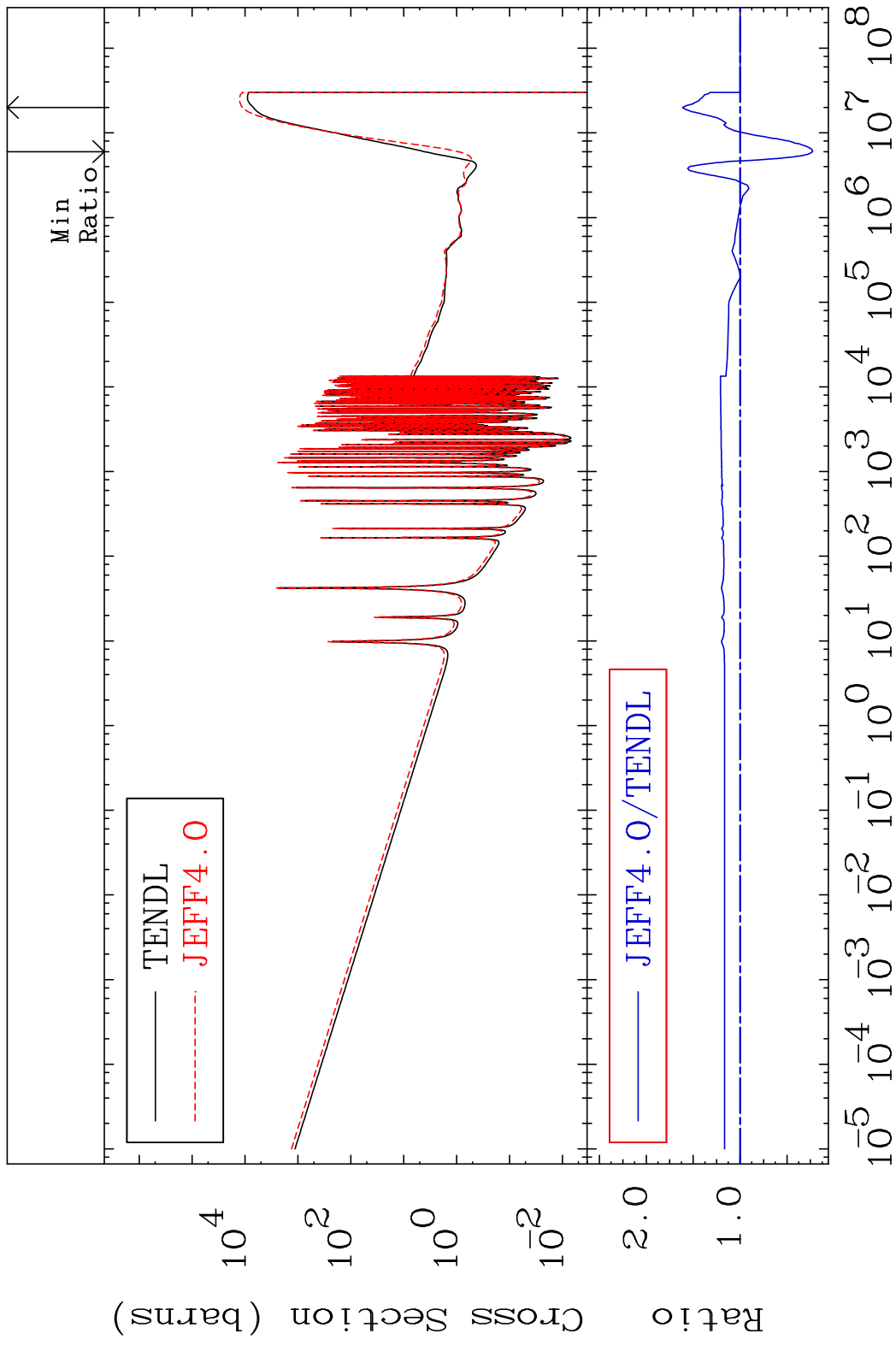
Incident Energy (eV)

44-Ru-102

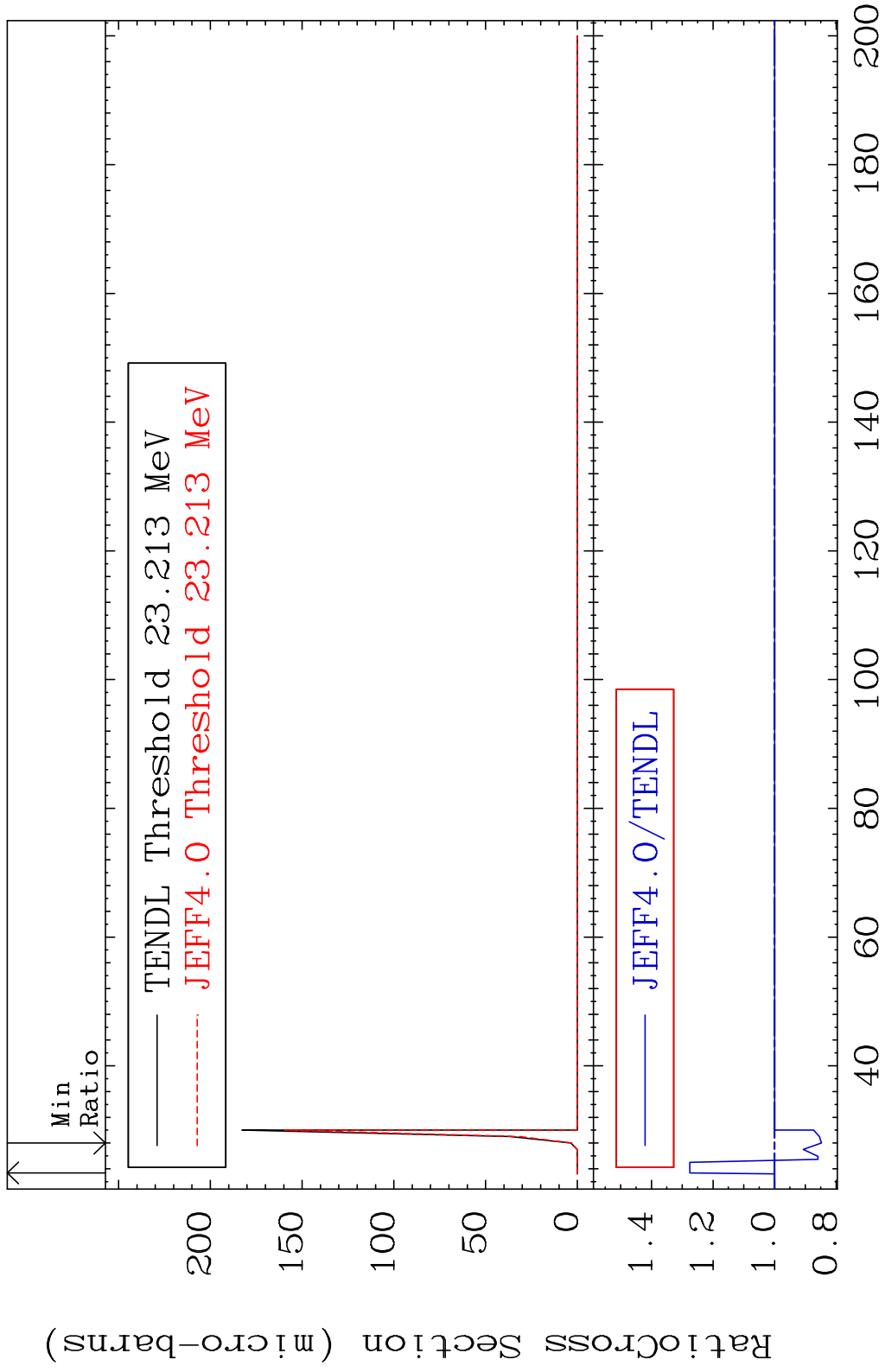
MAT 4443 Dpa inelastic (mt51-91) 44-Ru-102
 Cross Section -0.297 To 25.72 %



MAT 4443 Dpa disappearance (mt102 -120) 44-Ru-102
 Cross Section -77.28 To 61.51 %

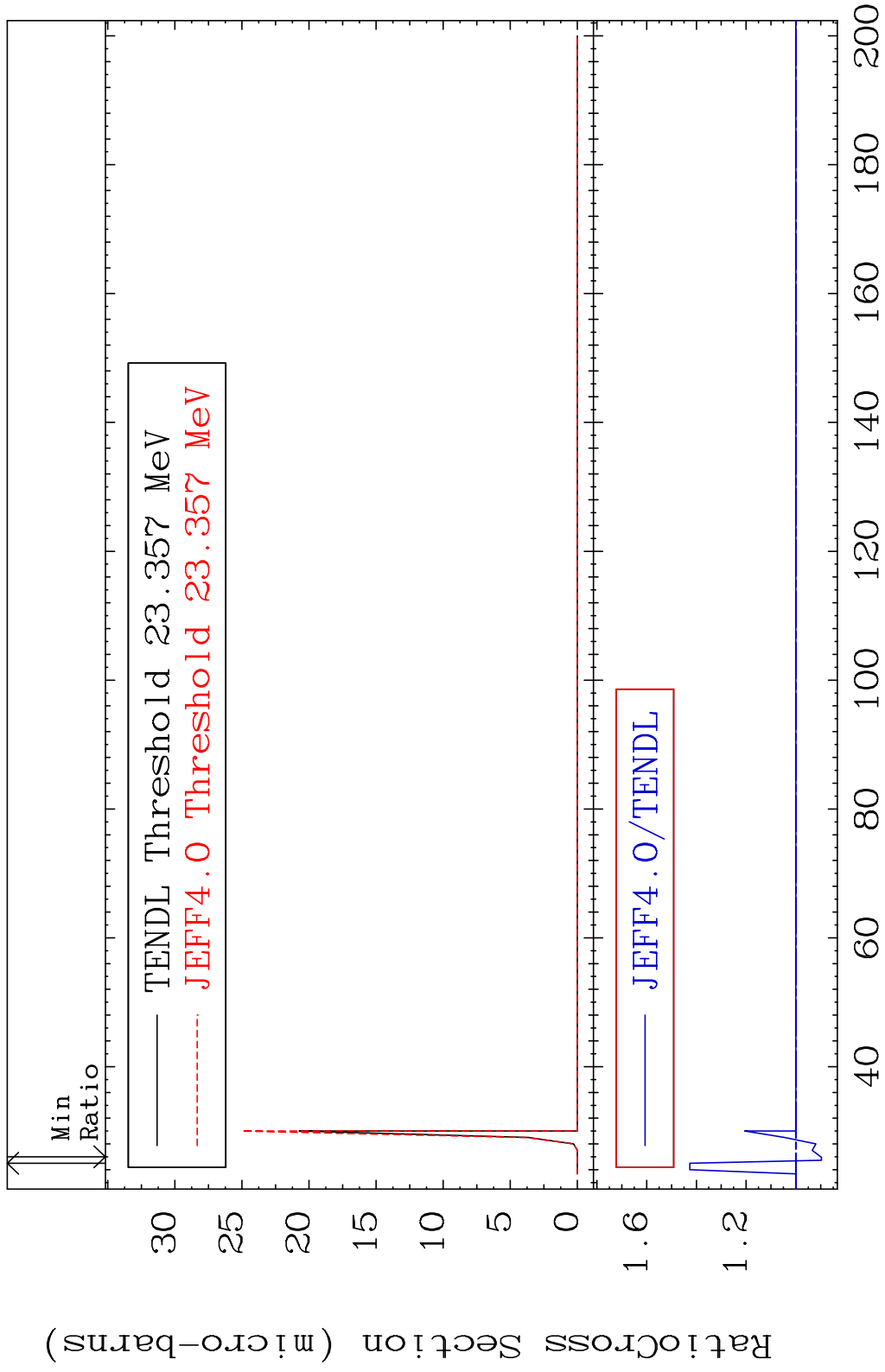


MAT 4443 (n,2n) d:43-Tc-99g 44-Ru-102
 Radionuclide Production Cross Section 27.55 %

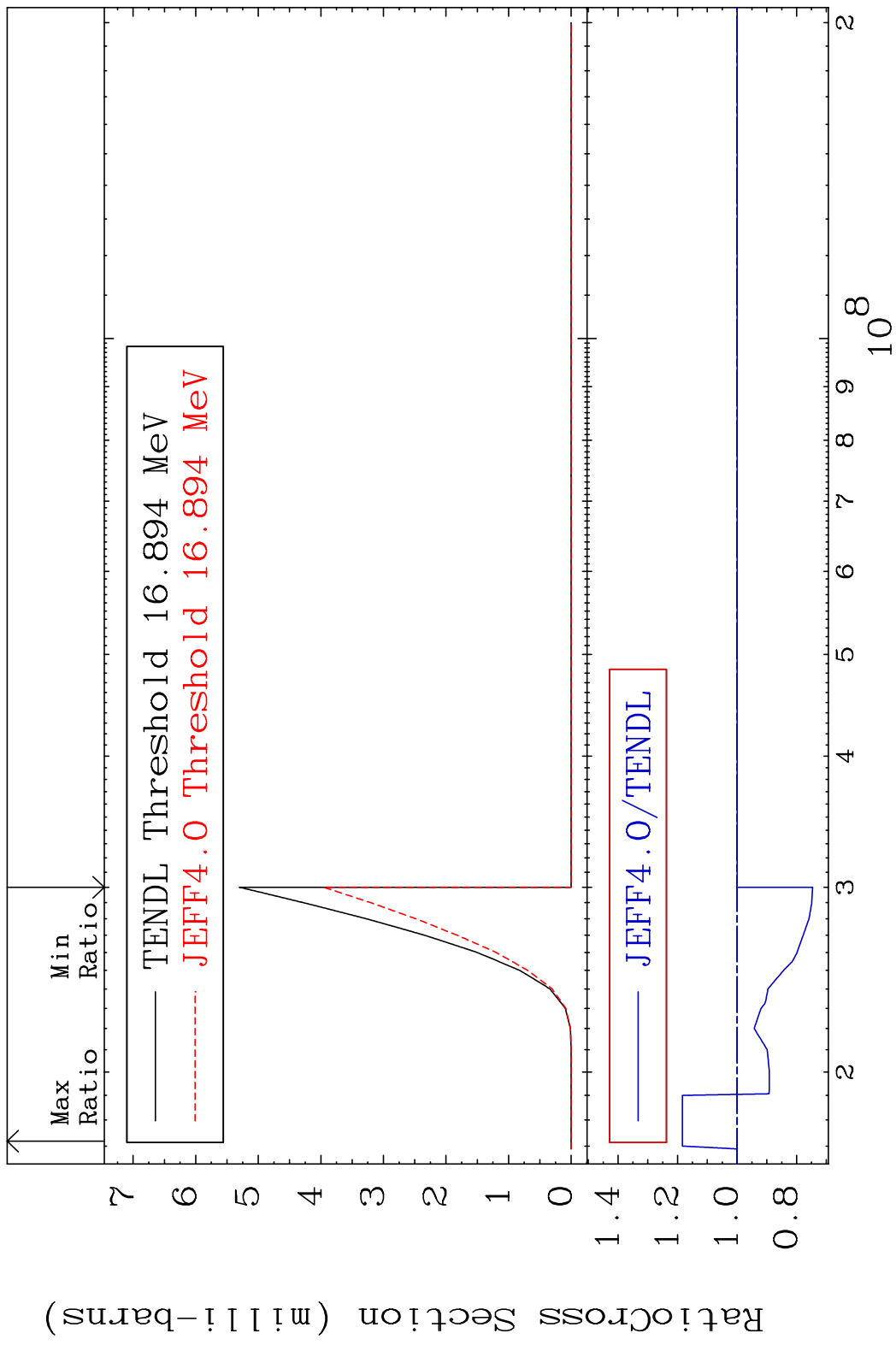


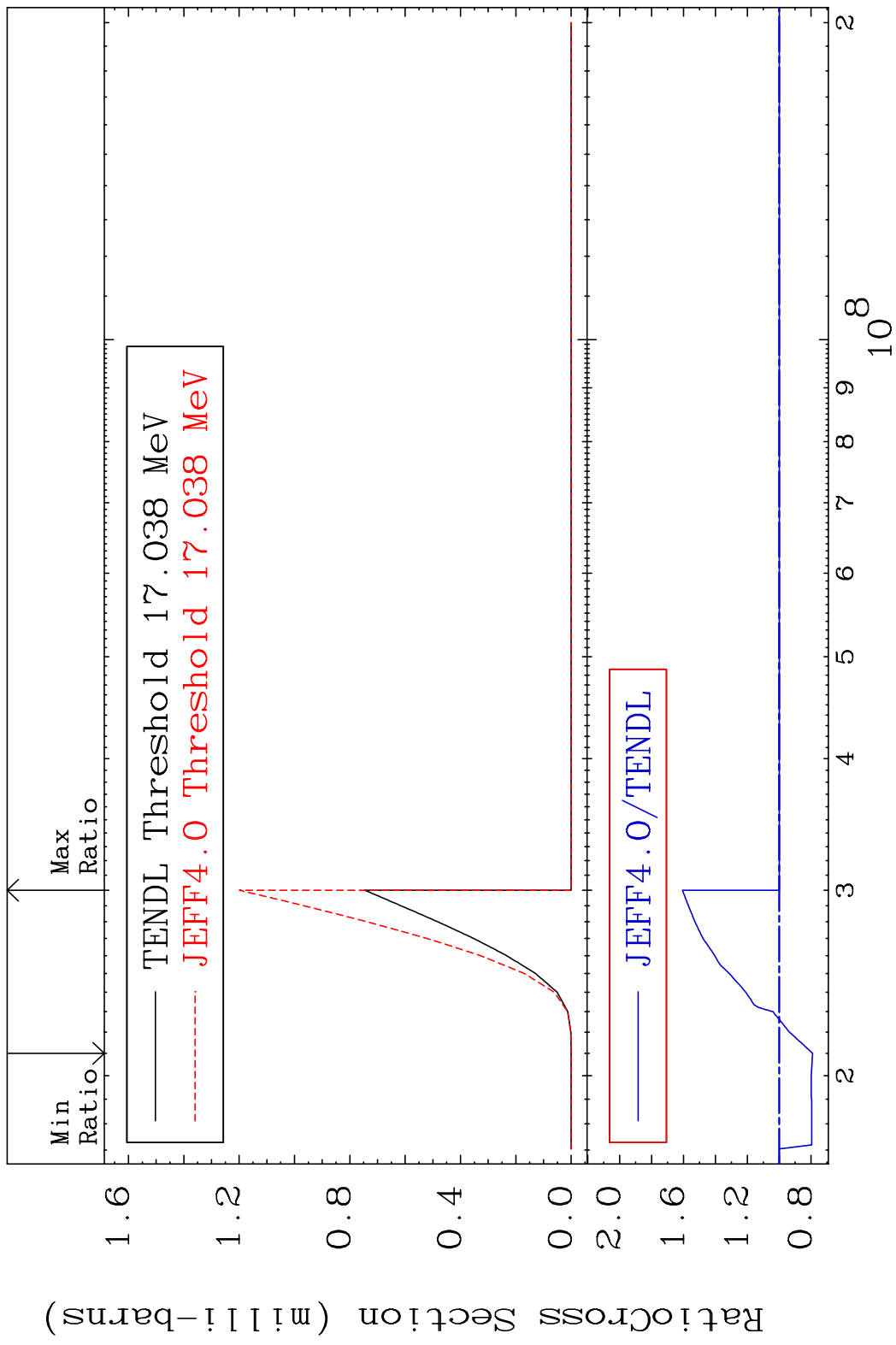
80 Incident Energy (MeV) 44-Ru-102

MAT 4443 (n,2n) d:43-Tc-99m2 44-Ru-102
 Radionuclide Production Cross Section Ratio 42.66 %

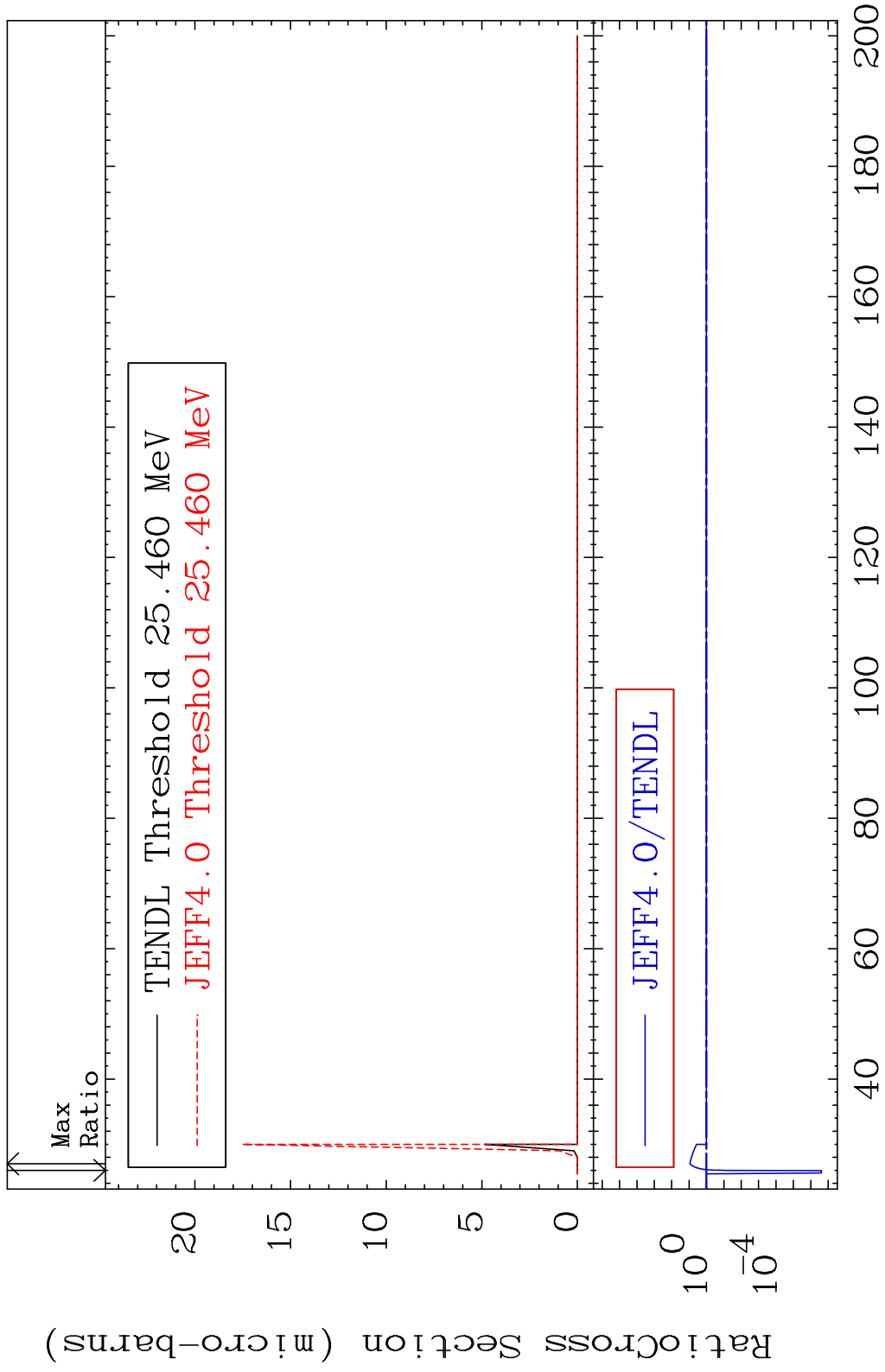


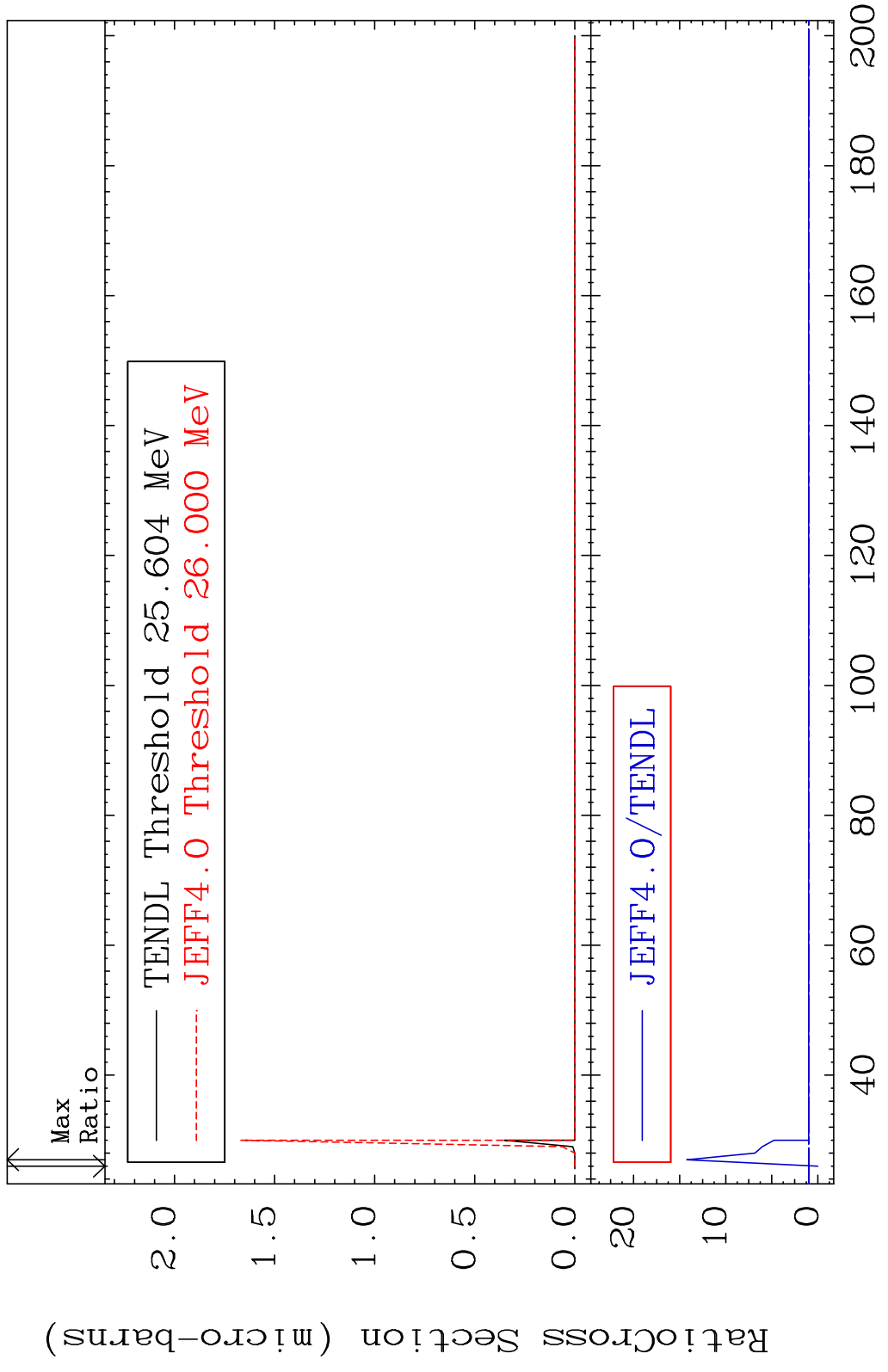
MAT 4443 (n, n') t:43-Tc-99g 44-Ru-102
 Radionuclide Production Cross Section 18.40 %

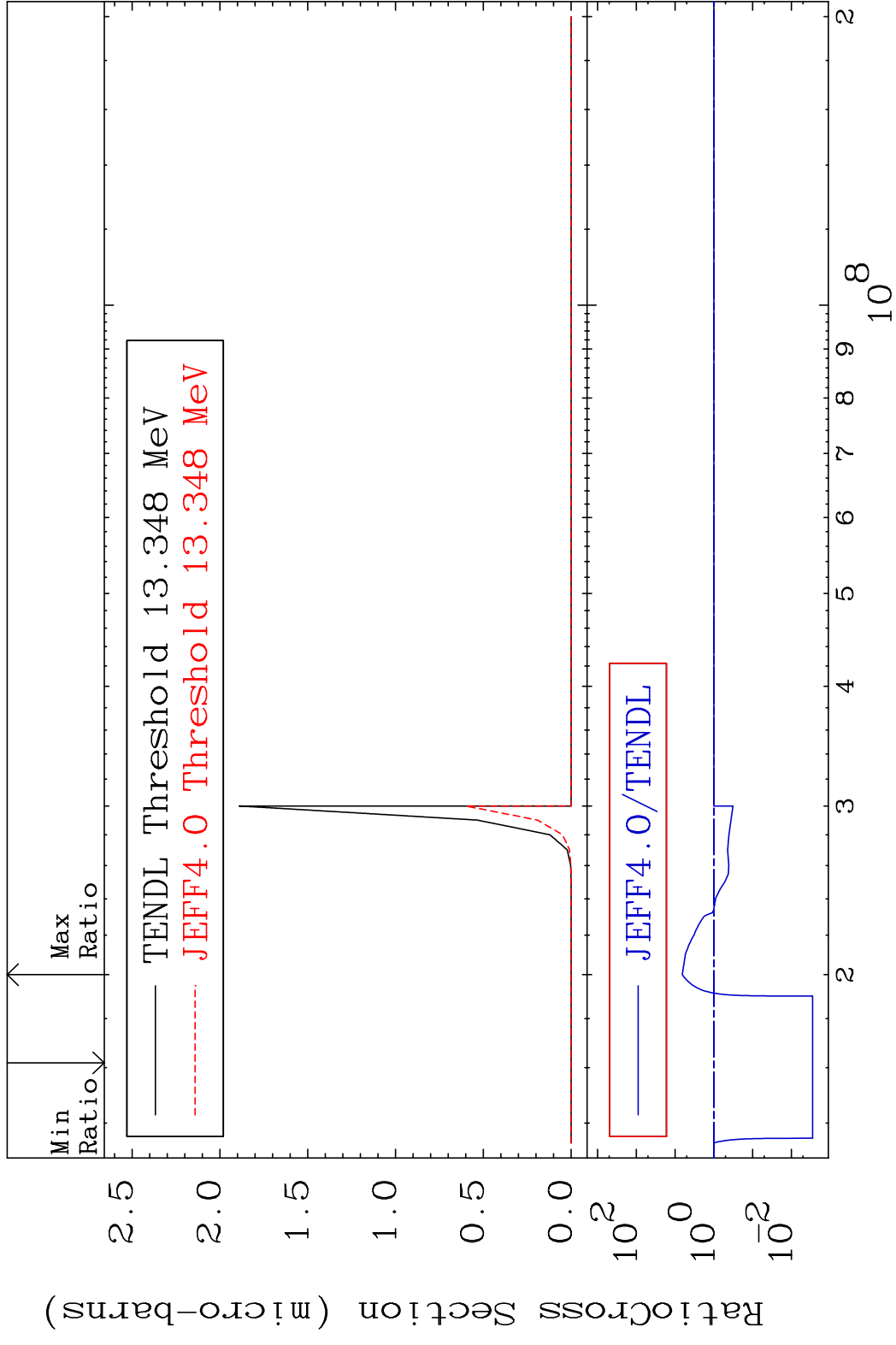


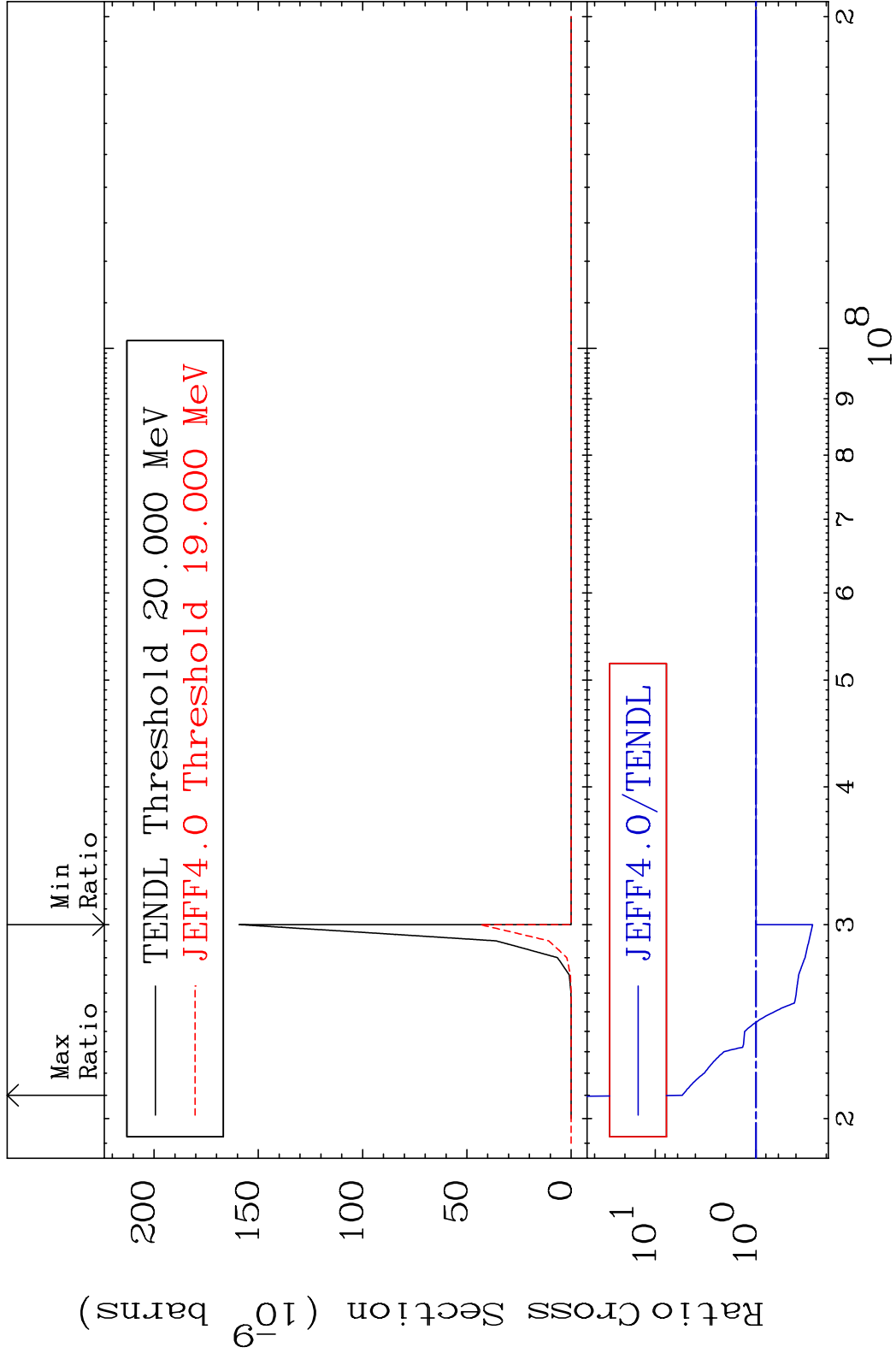


MAT 4443 (n, 3n) p:43-Tc-99g 44-Ru-102
 Radionuclide Production Cross Section 180.01 dth 812.7 %

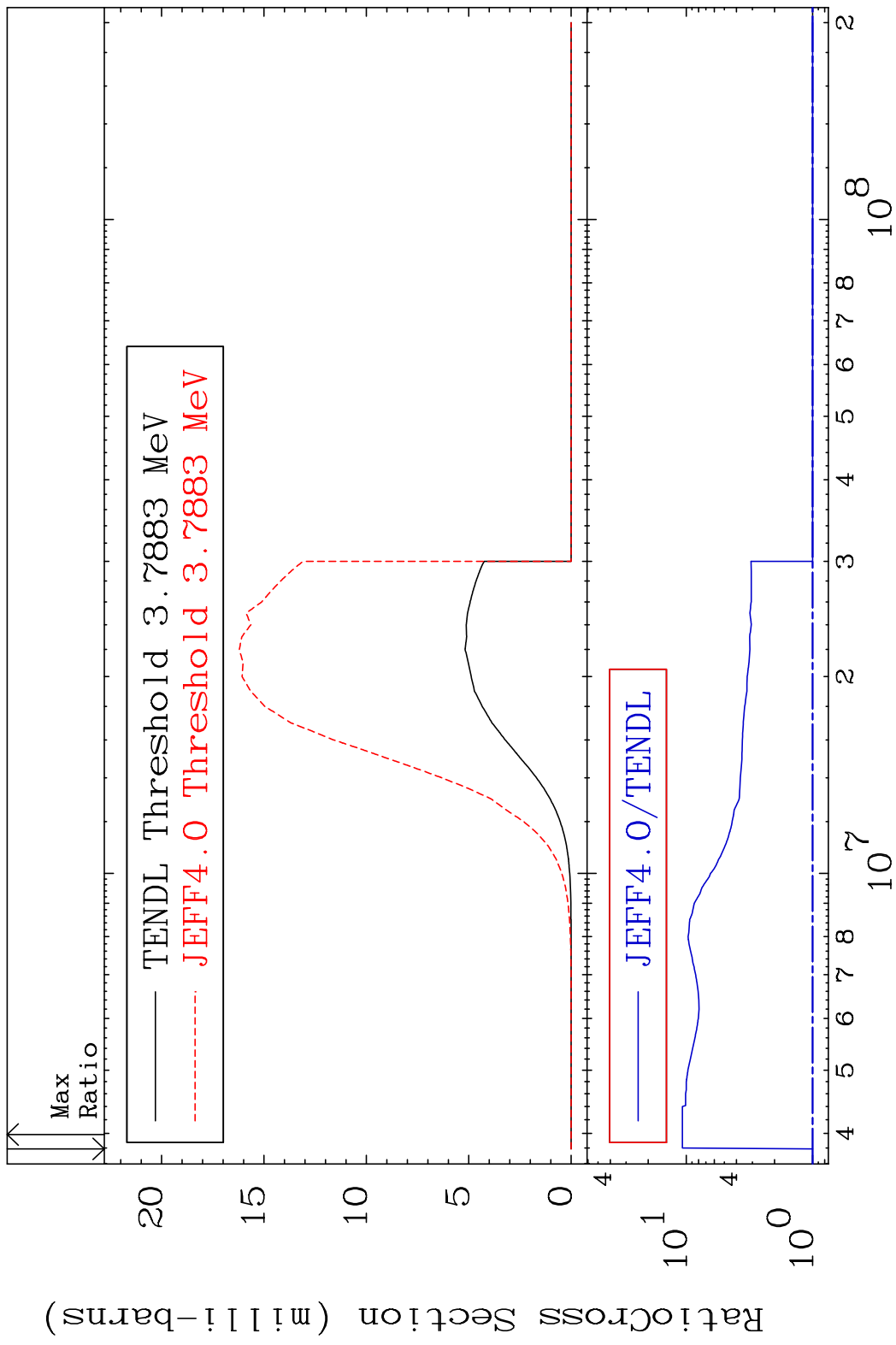


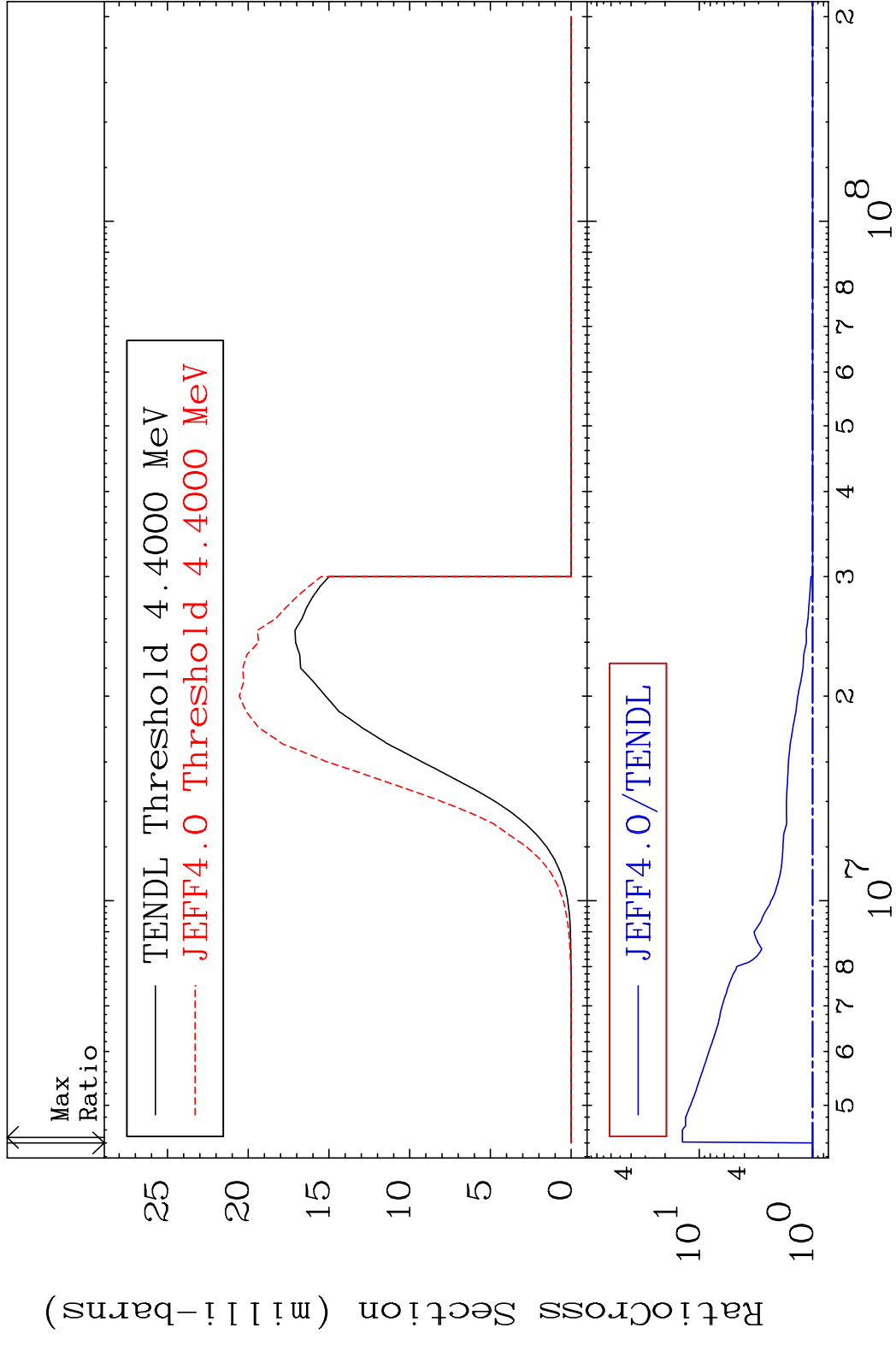




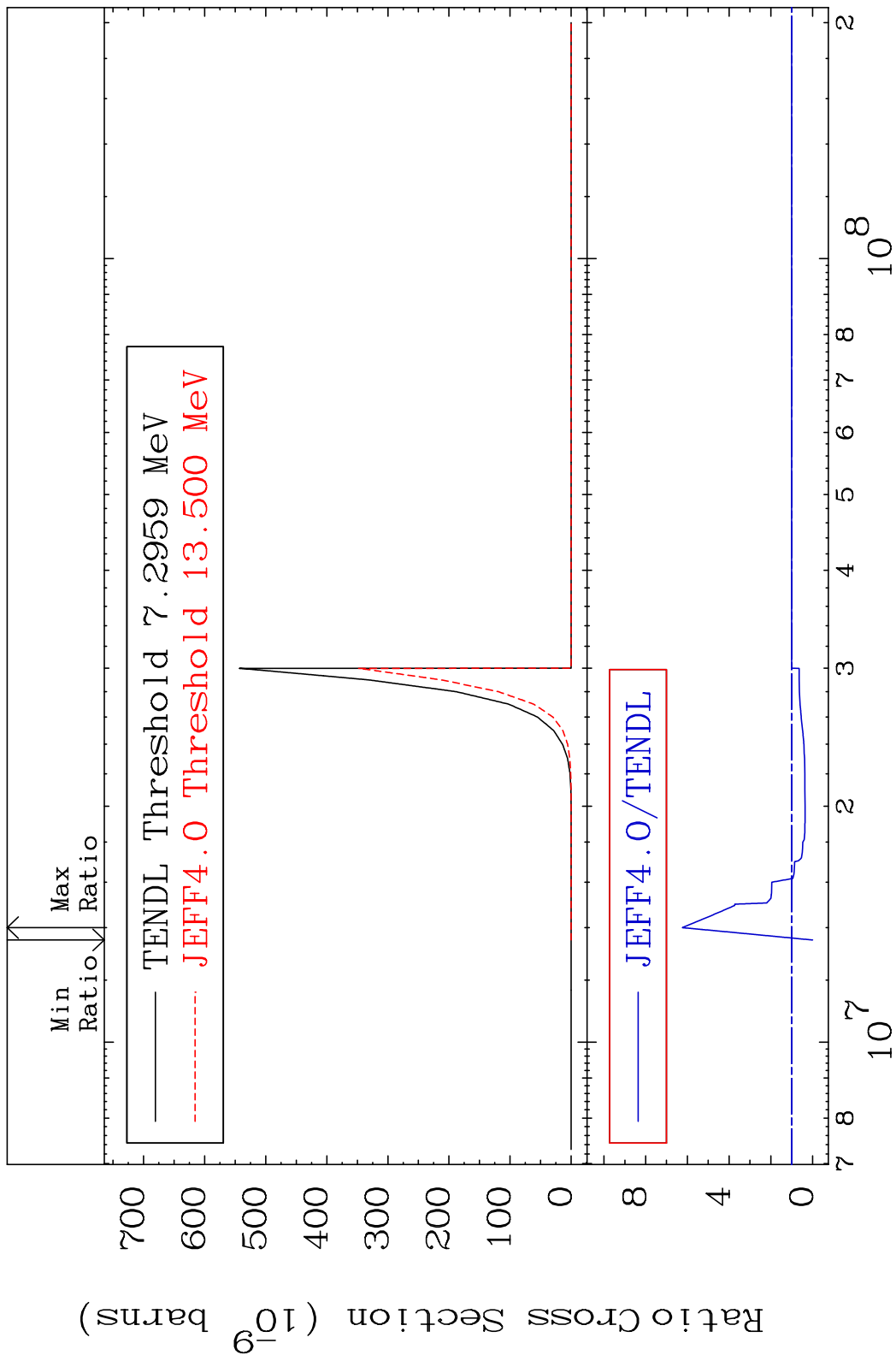


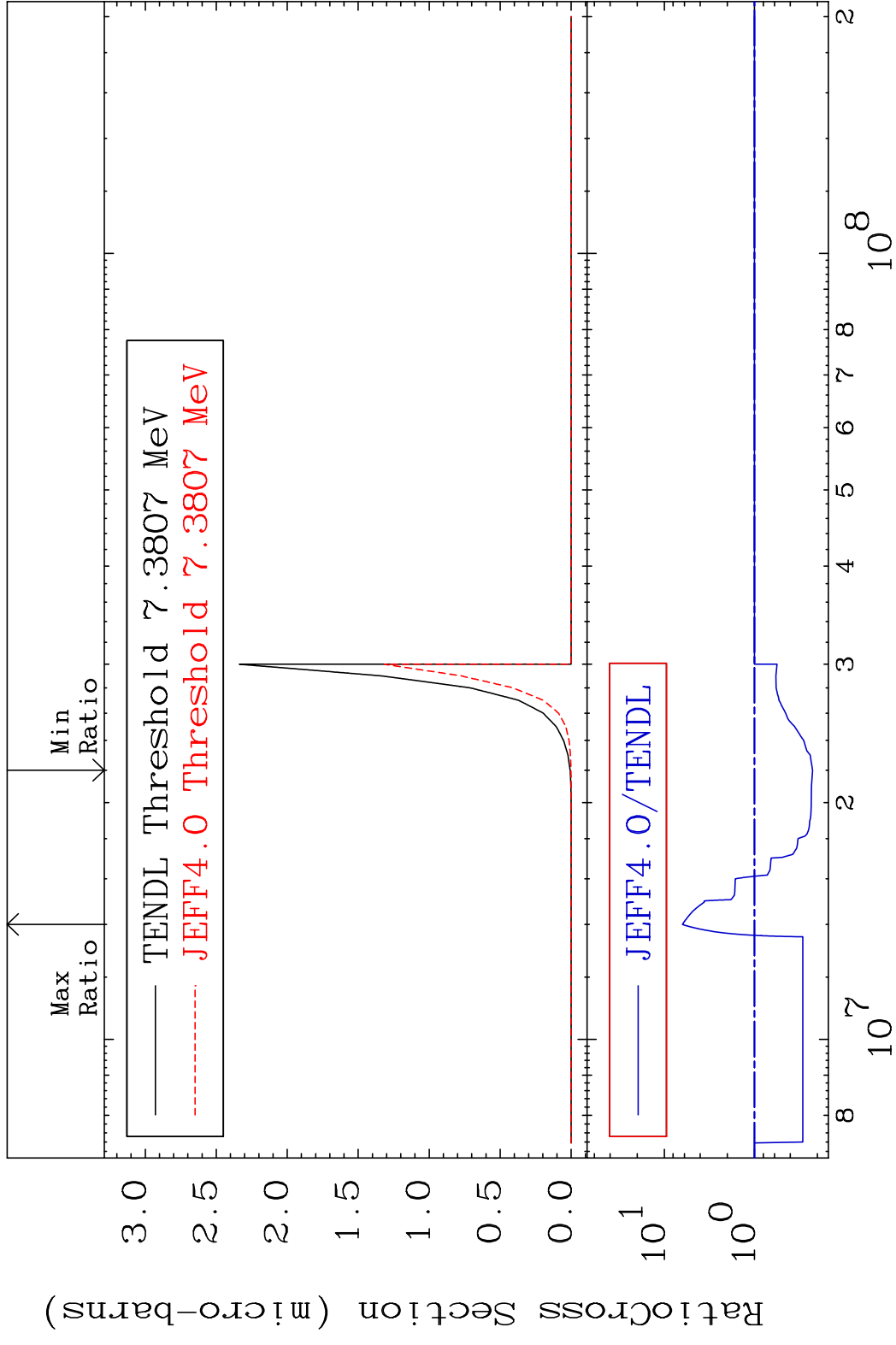
MAT 4443 (n,p):43-Tc-102g 44-Ru-102
 Radionuclide Production Cross Section 974.5 %





MAT 4443 (n, p) α :41-Nb-98g 44-Ru-102
 Radionuclide Production Cross Section 180.0 dth 524.2 %





MAT 4443 (n, d) α :41-Nb-97g 44-Ru-102
 Radionuclide Production Cross Section 0.000 dth 0.000 %

