

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

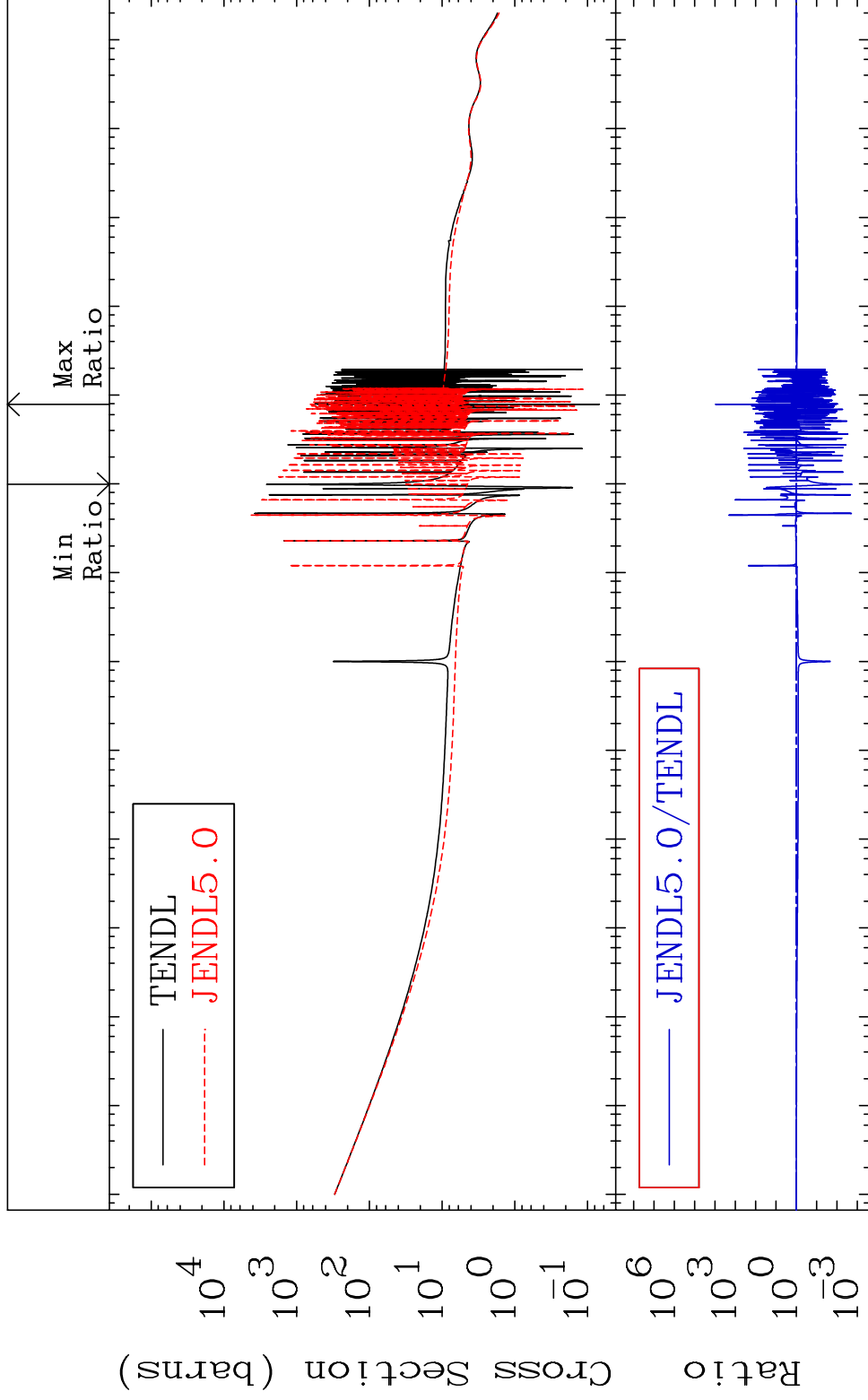
MAT 4437

Total

44-Ru-100

Cross Section

-99.82 To 9999. %



1

Incident Energy (eV)

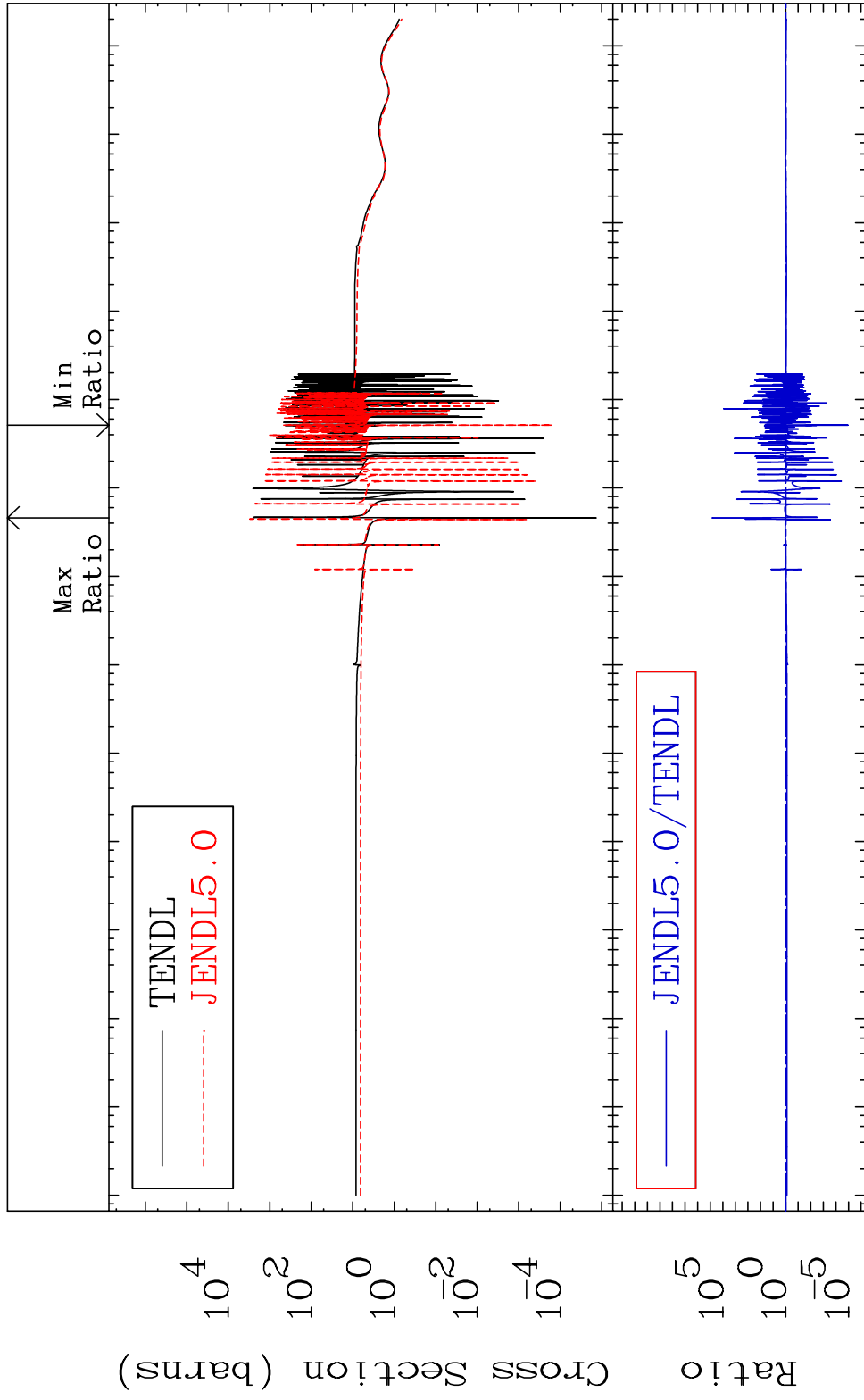
44-Ru-100

MAT 4437

Elastic

44-Ru-100

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

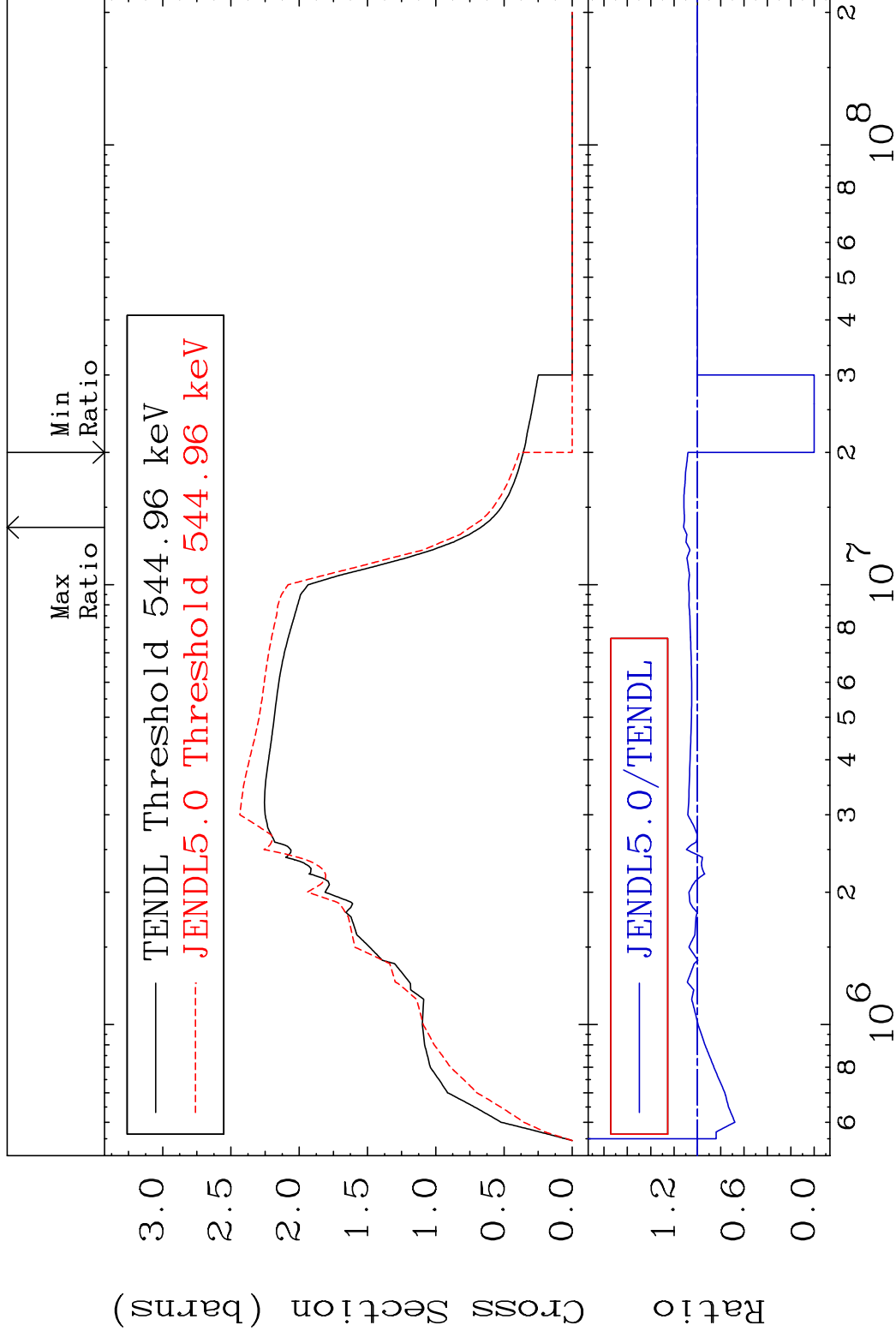
44-Ru-100

MAT 4437

Inelastic

44-Ru-100

Cross Section -100.0 To 11.76 %



3

Incident Energy (eV)

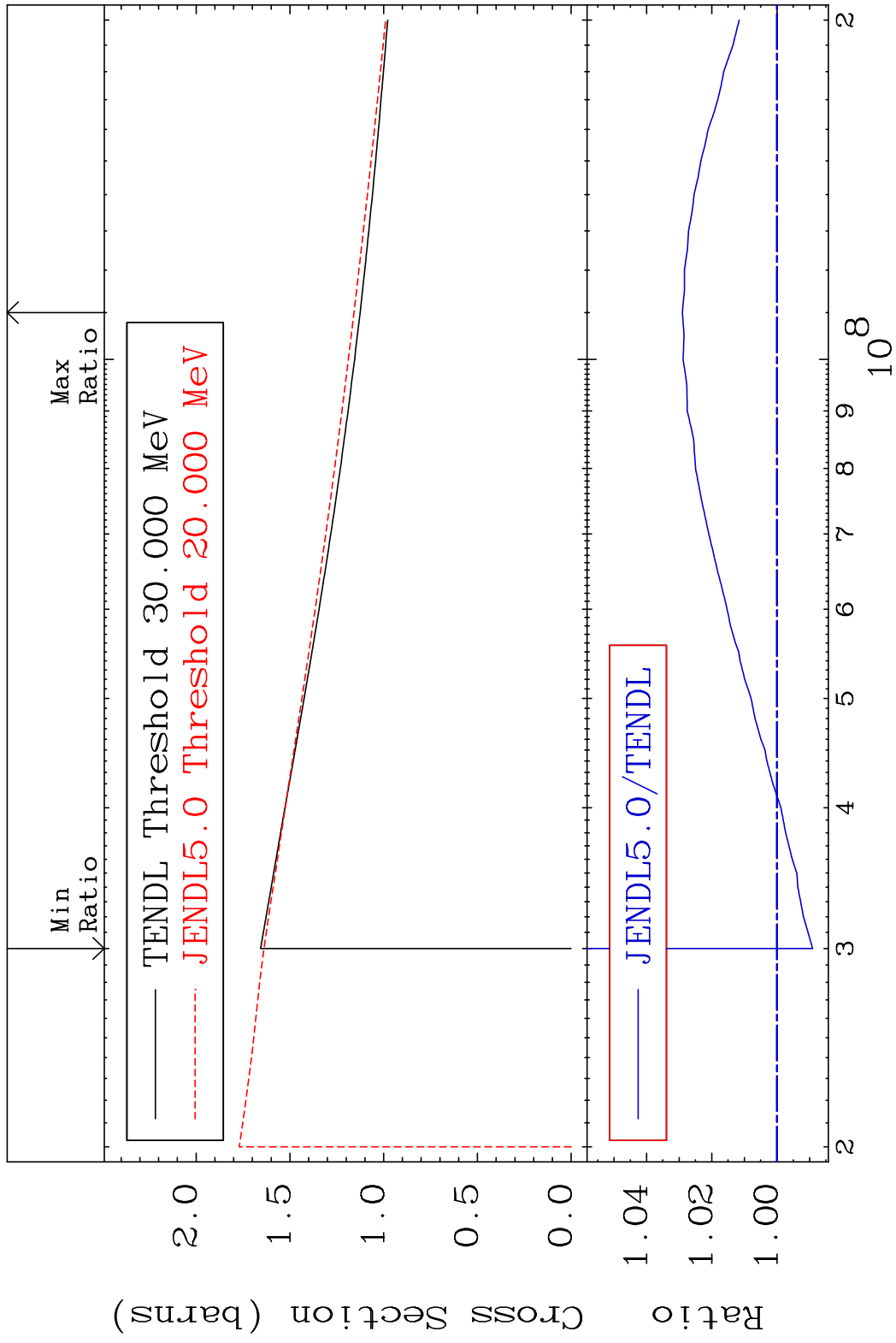
44-Ru-100

MAT 4437

(n, remainder)

44-Ru-100

Cross Section -1.091 To 2.903 %



4

Incident Energy (eV)

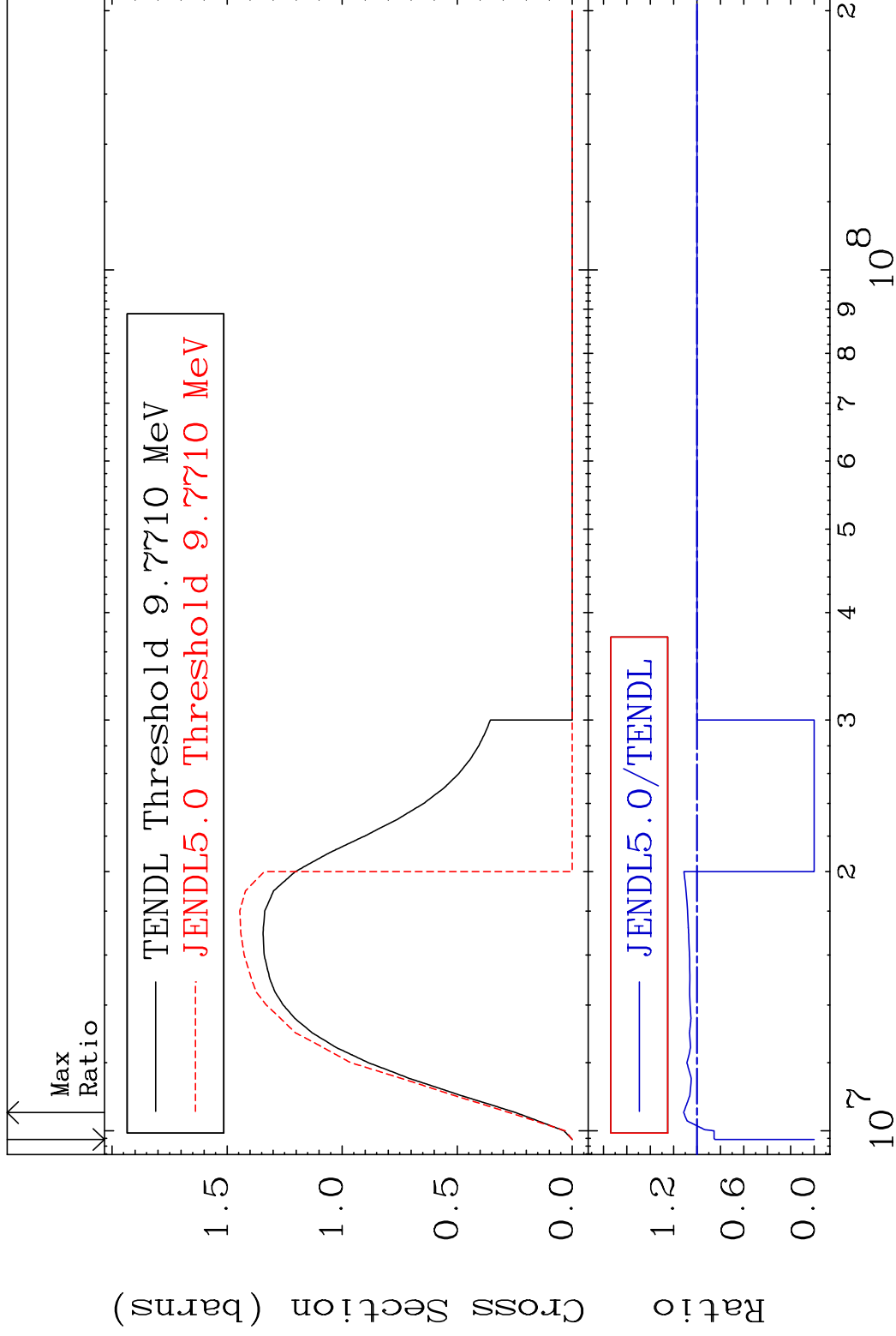
44-Ru-100

MAT 4437

(n,2n)

44-Ru-100

Cross Section -100.0 To 11.44 %



5

Incident Energy (eV)

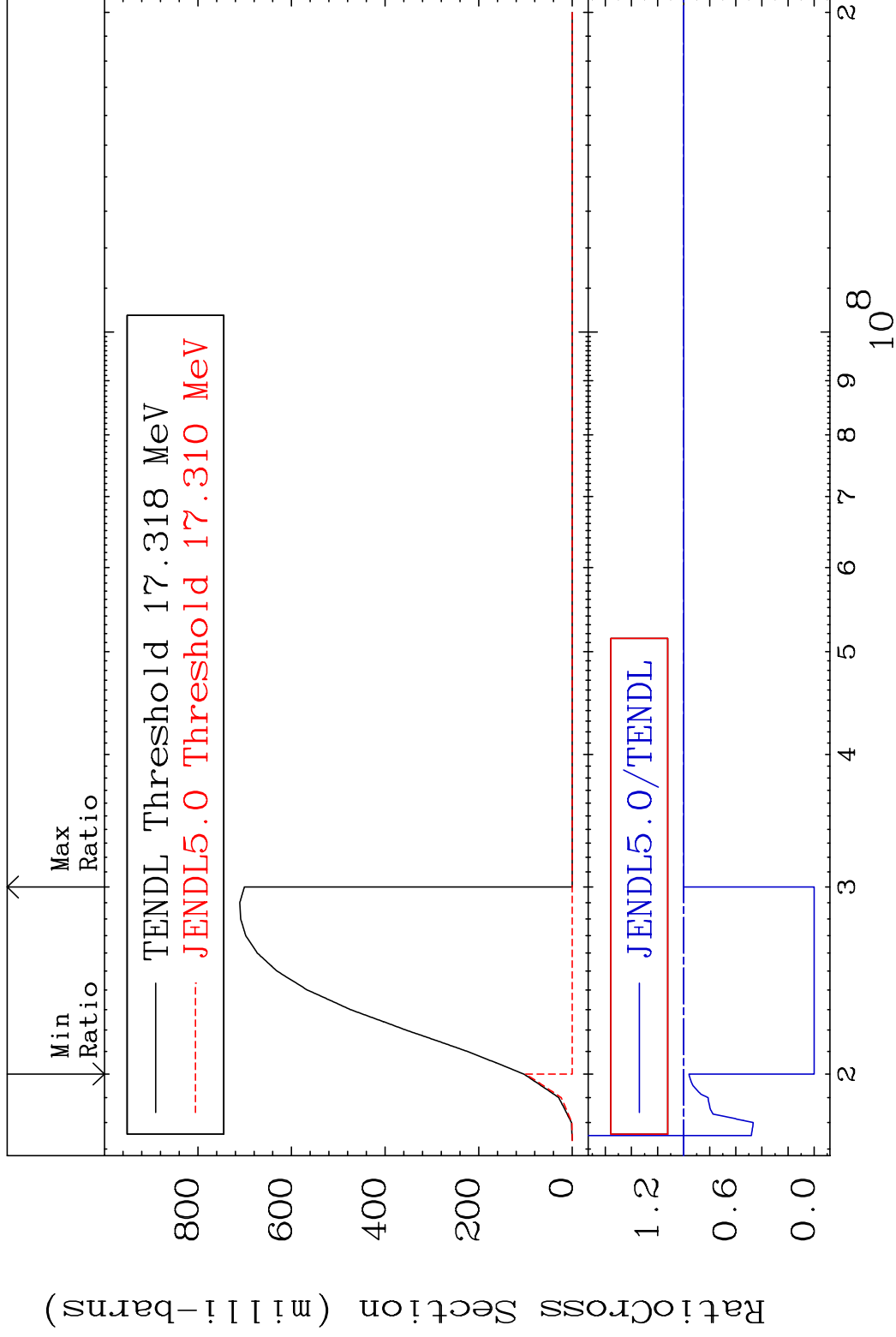
44-Ru-100

MAT 4437

(n,3n)

44-Ru-100

Cross Section -100.0 To 0.000 %



6

Incident Energy (eV)

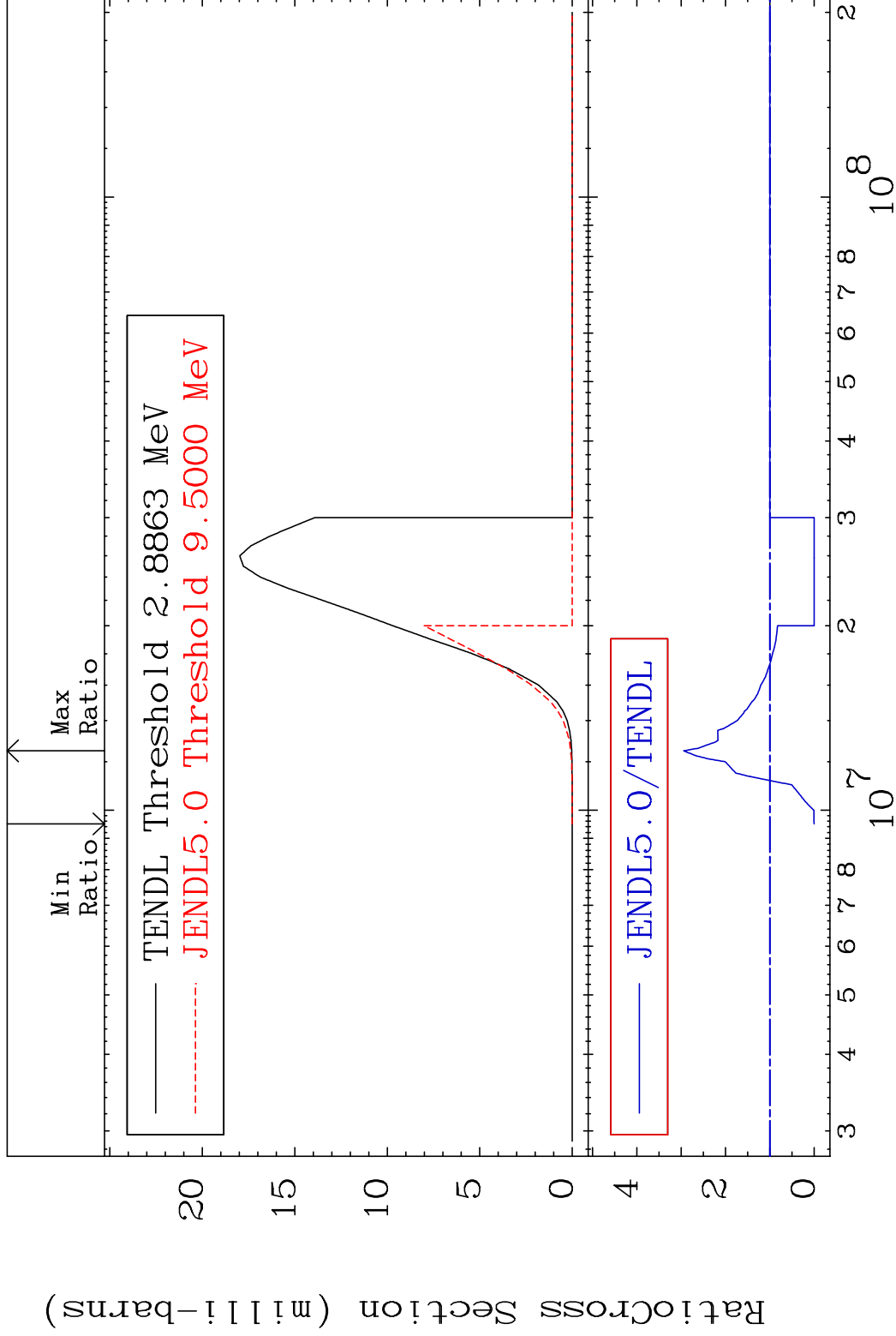
44-Ru-100

MAT 4437

(n, n') α

44-Ru-100

Cross Section -100.0 To 194.4 %

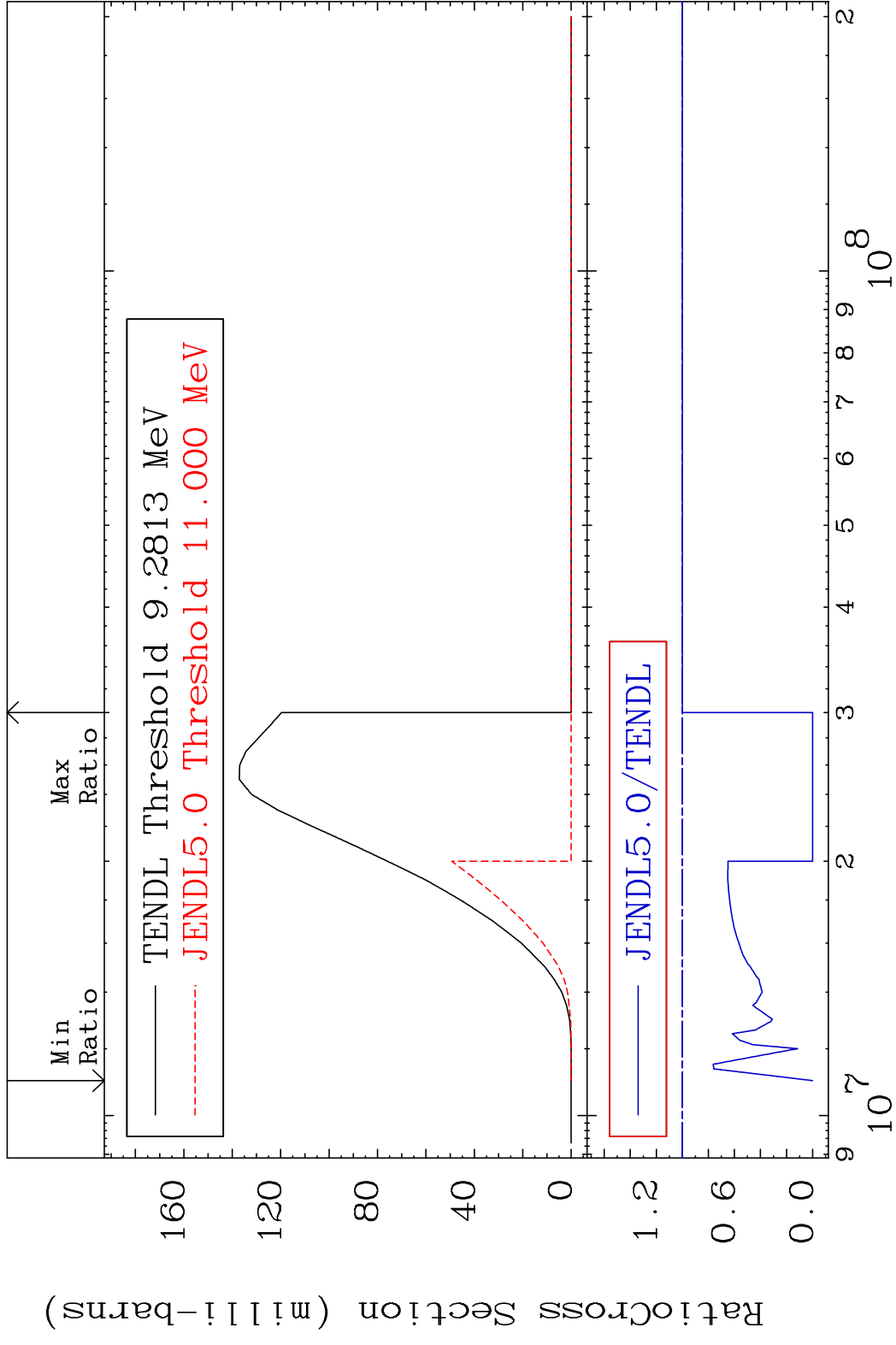


7

Incident Energy (eV)

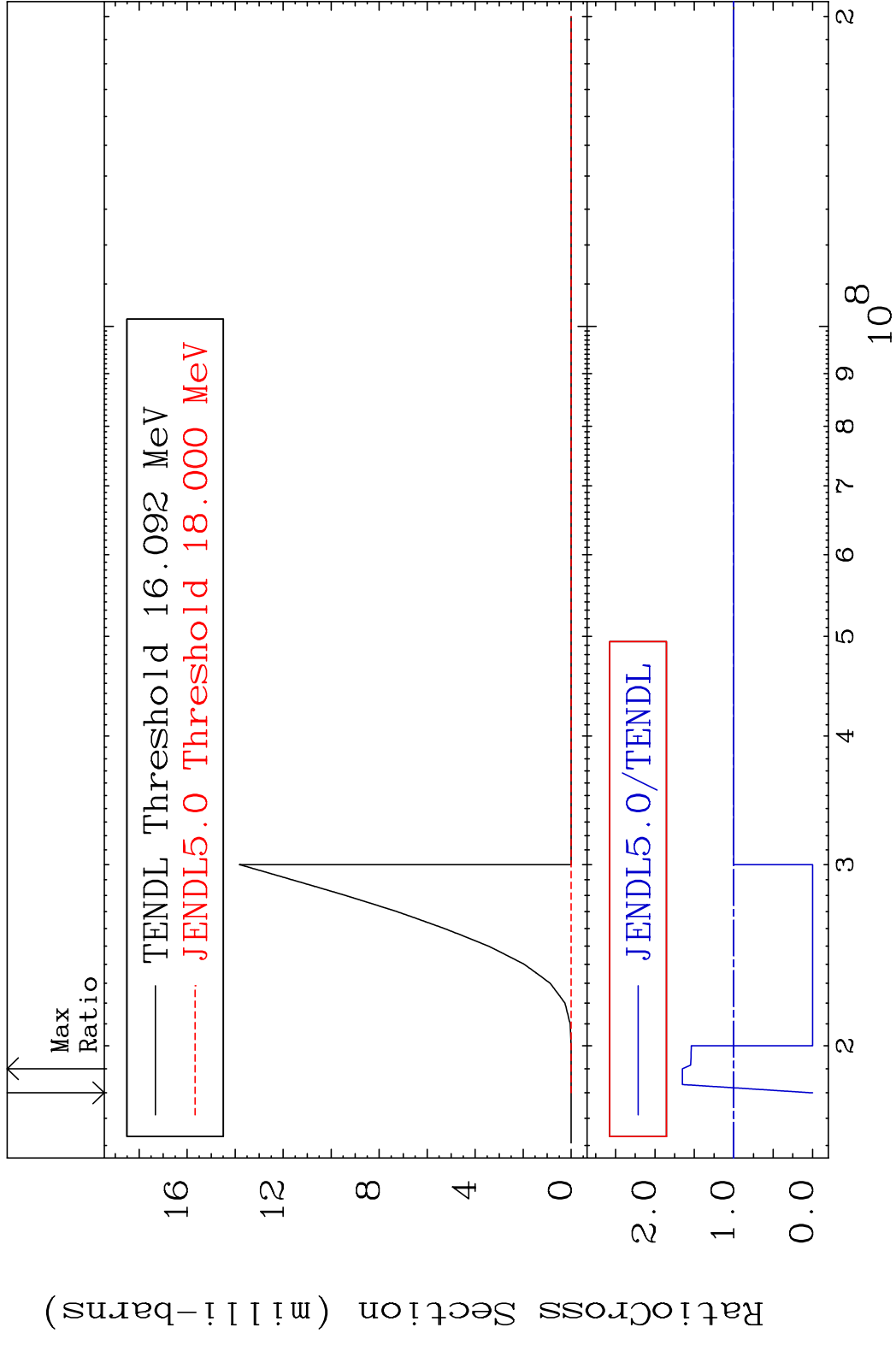
44-Ru-100

MAT 4437 (n, n') p 44-Ru-100
 Cross Section -100.0 To 0.000 %

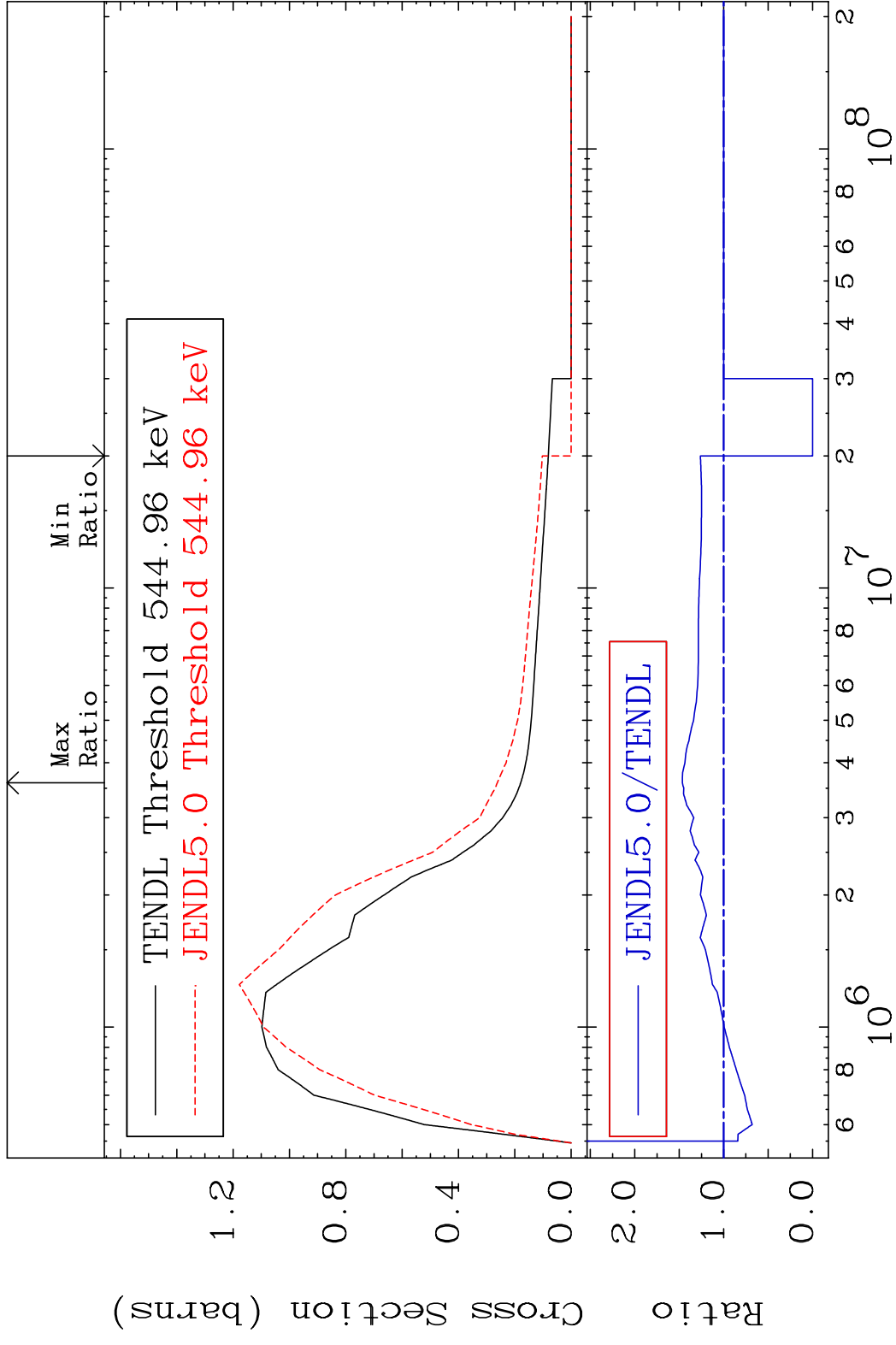


8 8 44-Ru-100

MAT 4437 (n, n') d 44-Ru-100
 Cross Section -100.0 To 65.19 %

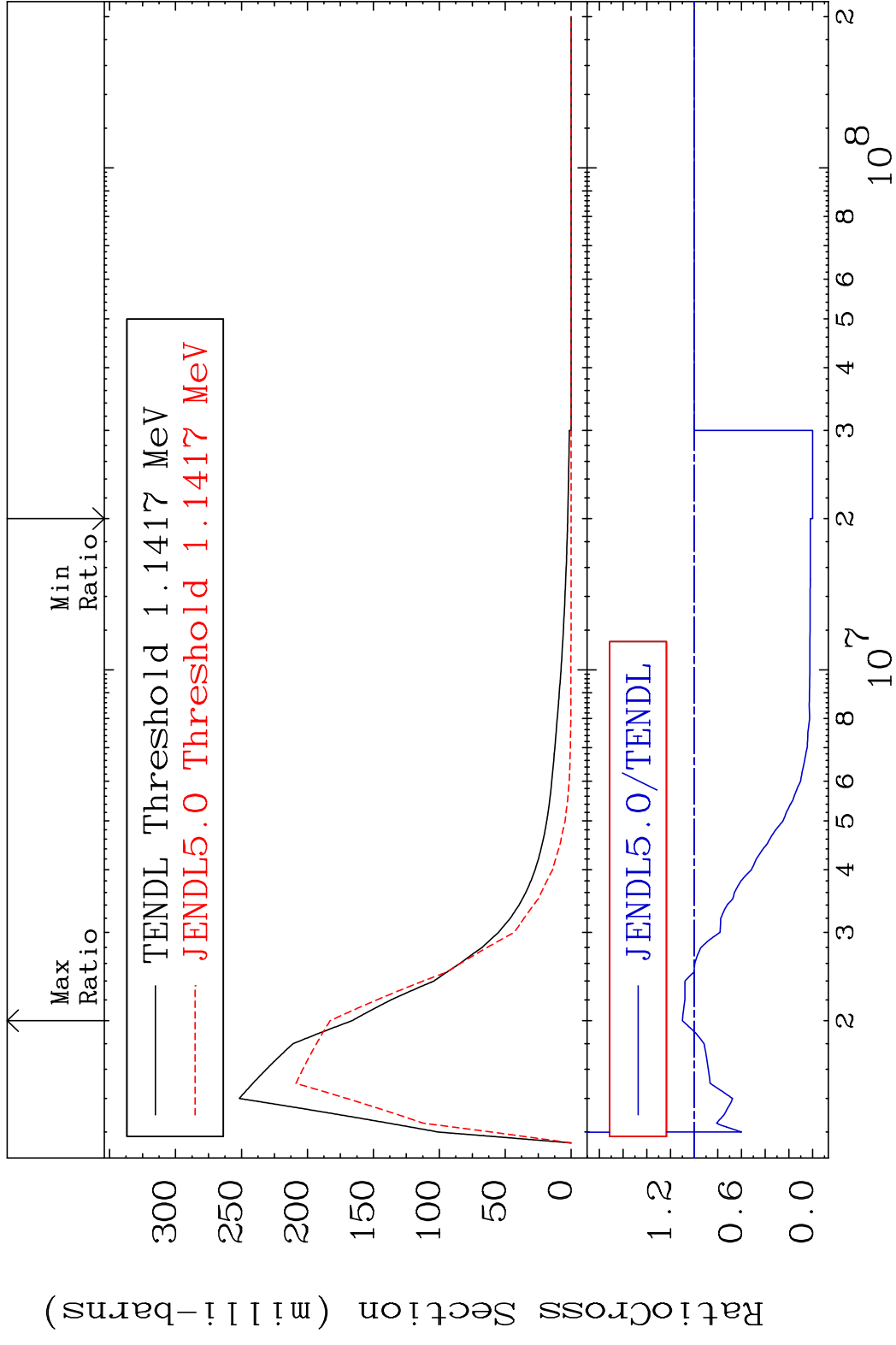


MAT 4437 MT= 51 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 46.50 %

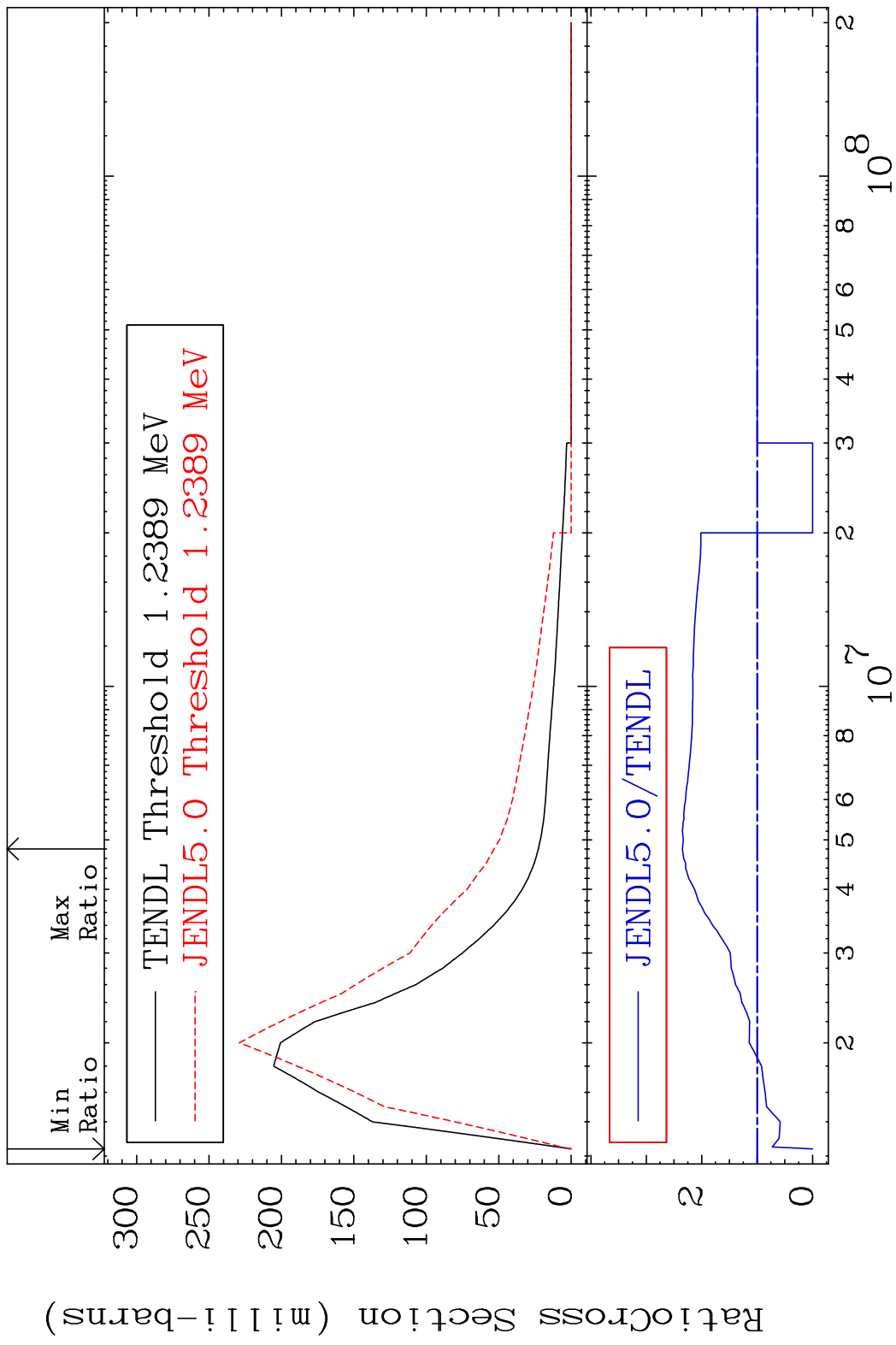


10 10⁶ 10⁷ 10⁸ 2 44-Ru-100

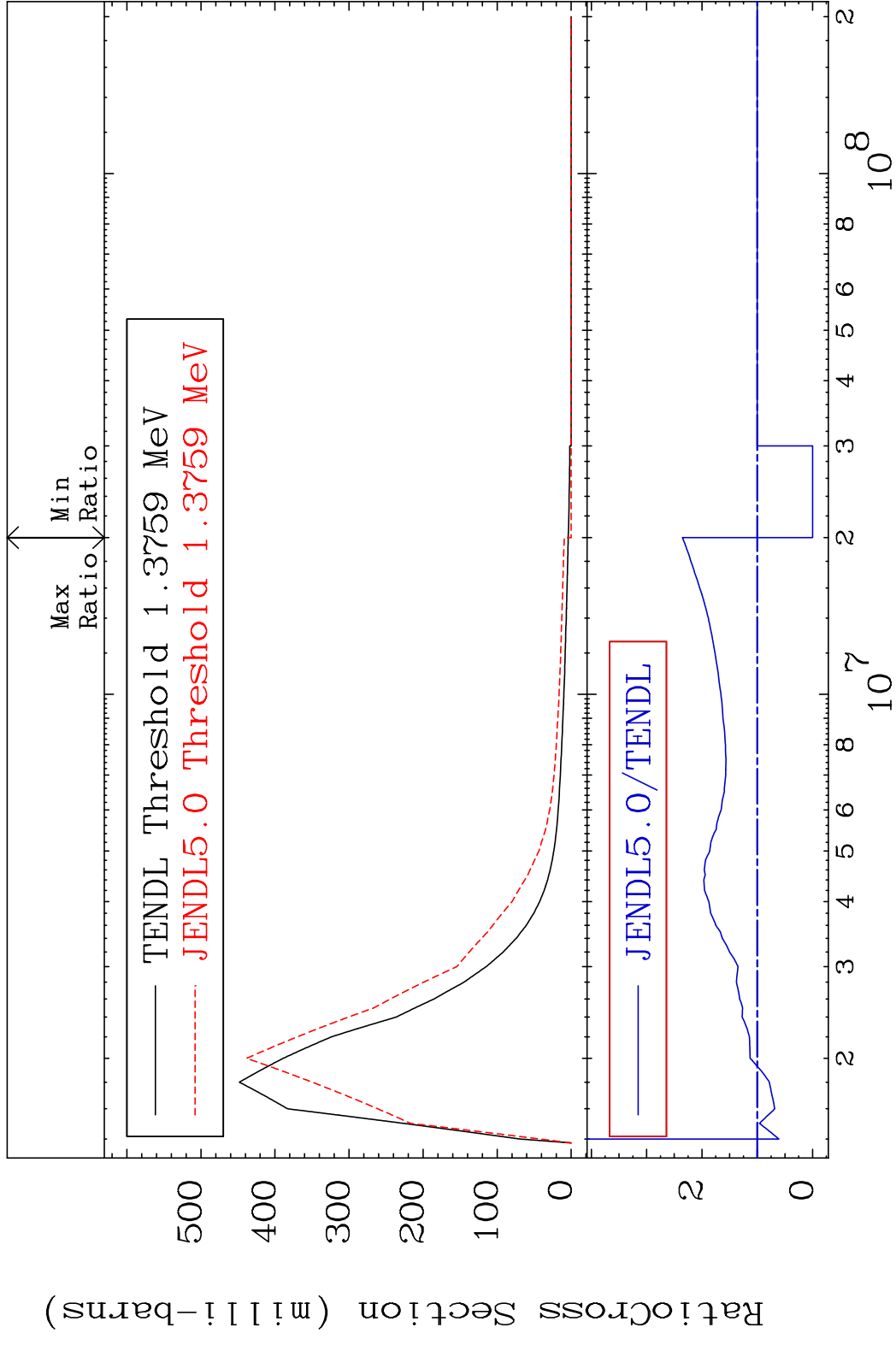
MAT 4437 MT= 52 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9.976 %



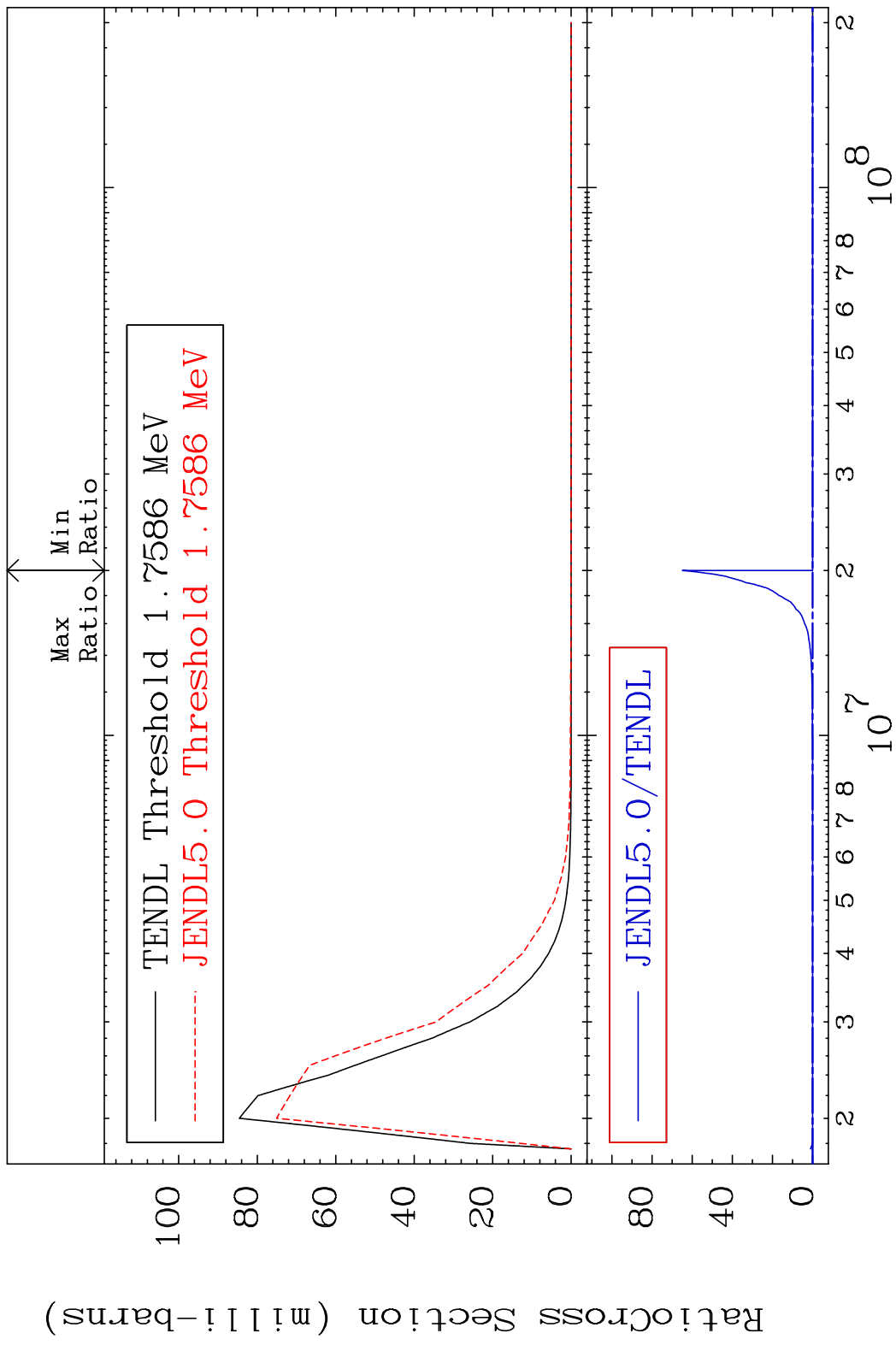
MAT 4437 MT= 53 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 134.9 %



MAT 4437 MT= 54 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 135.4 %

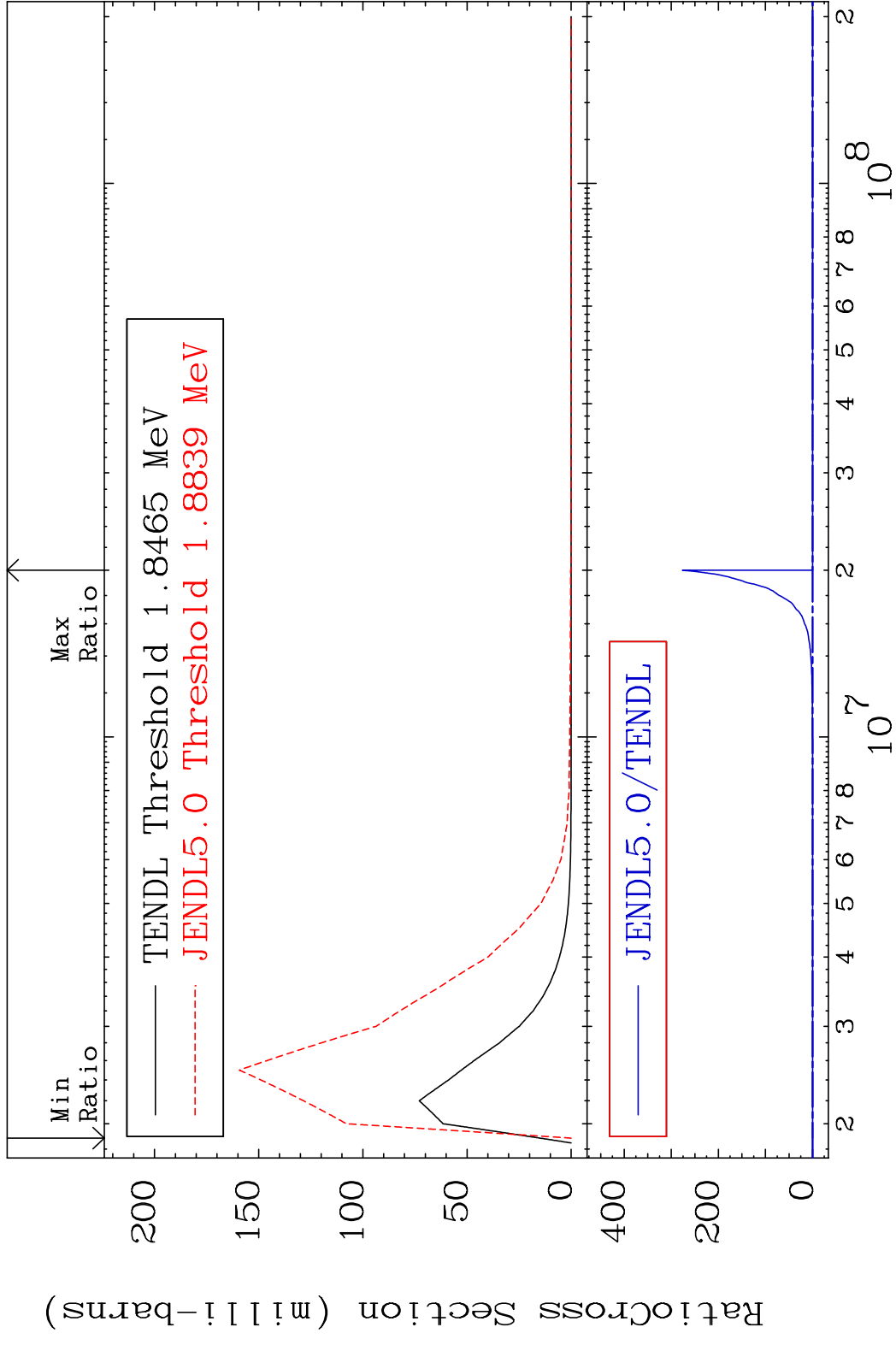


MAT 4437 MT= 55 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



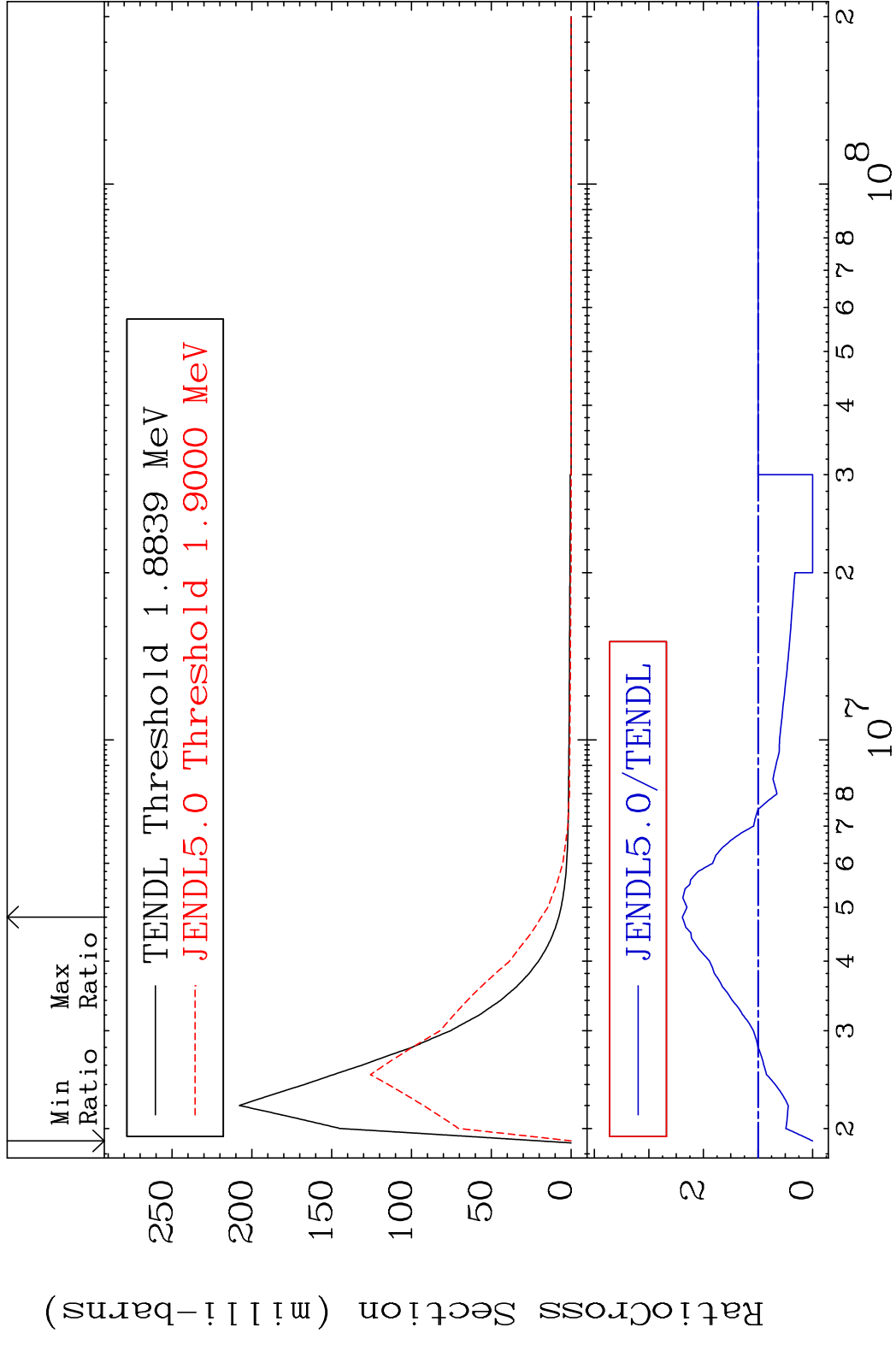
14 44-Ru-100

MAT 4437 MT= 56 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %

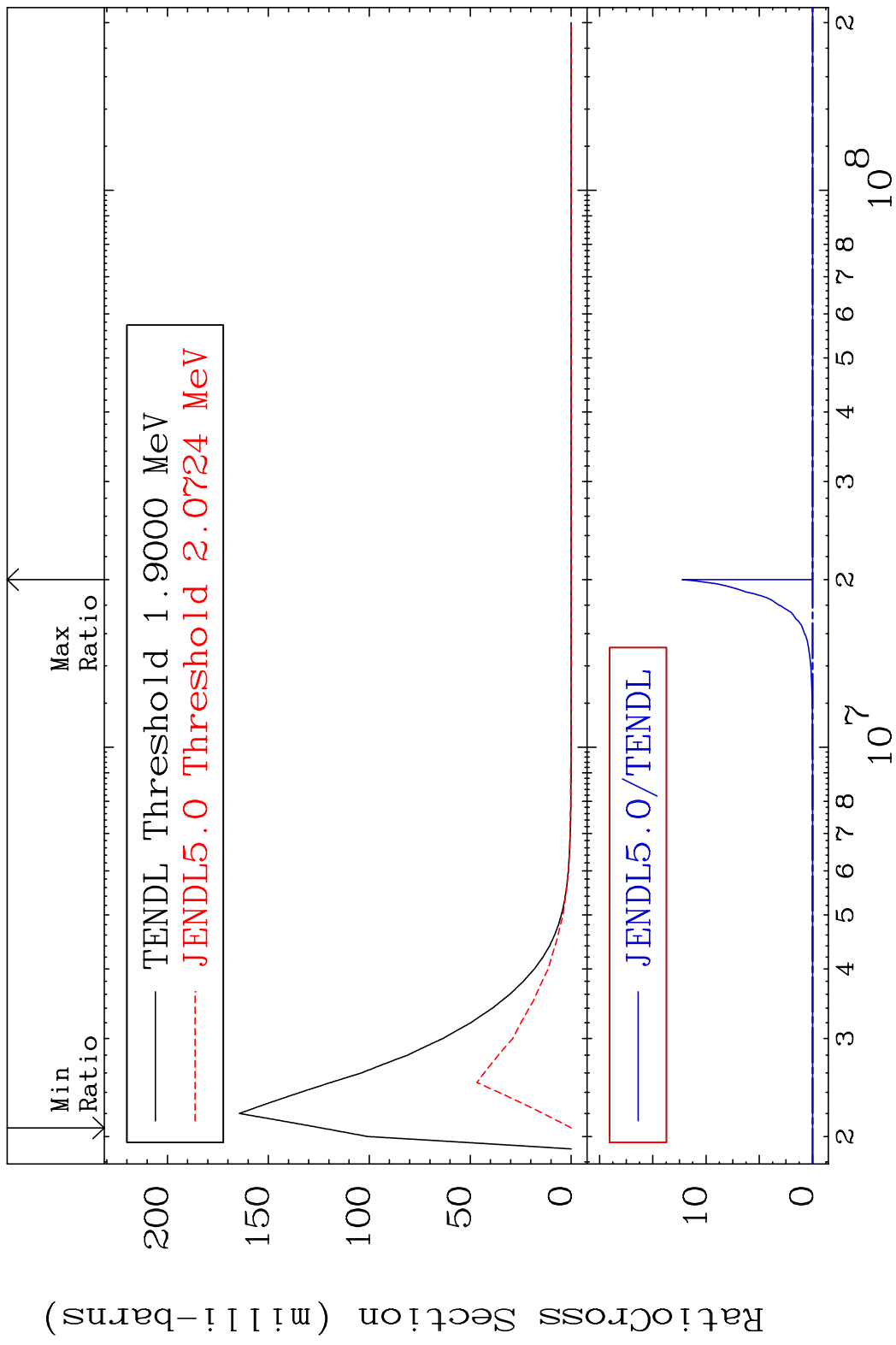


15 44-Ru-100

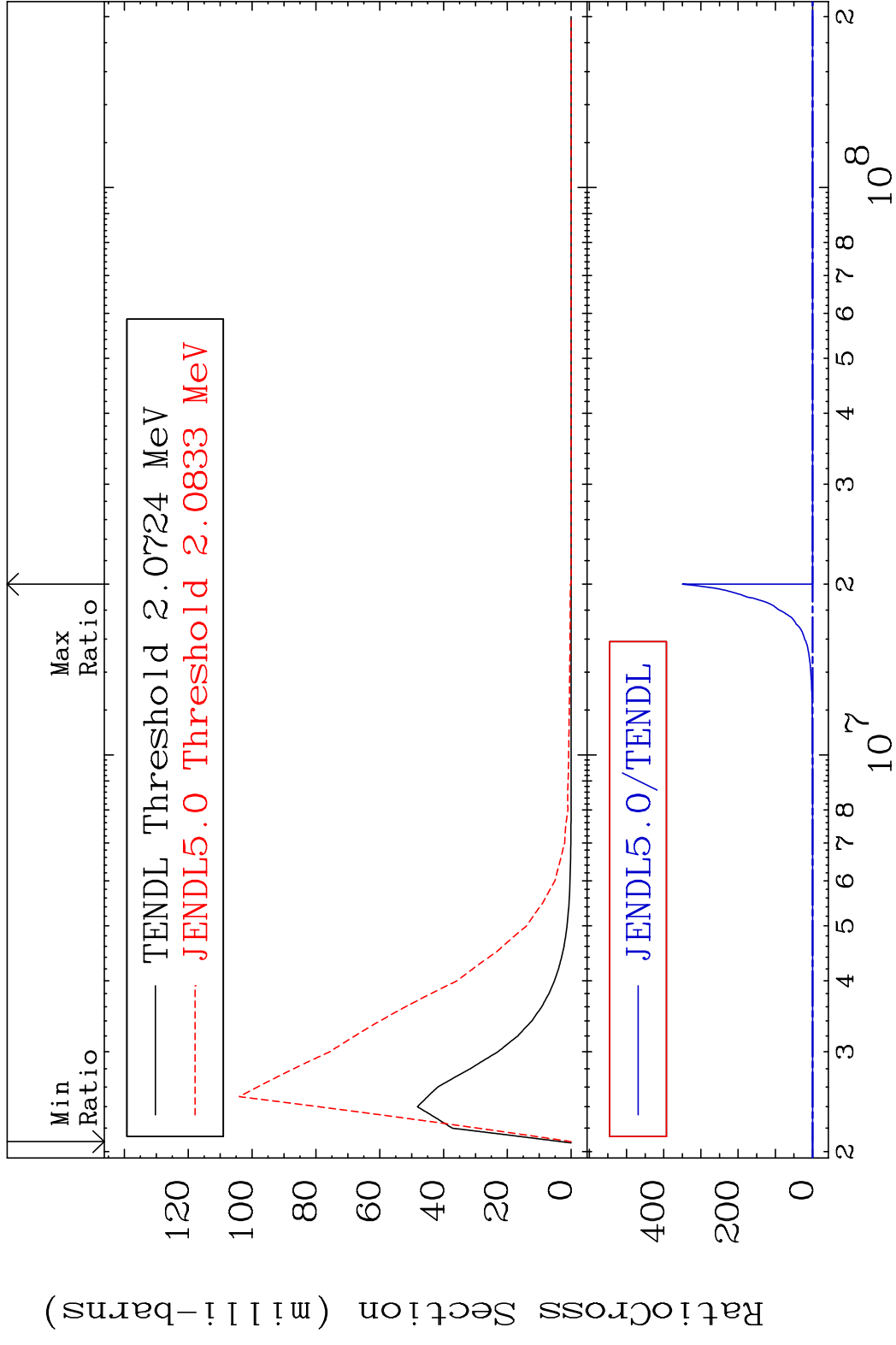
MAT 4437 MT= 57 (n,n') Level 44-Ru-100
 Cross Section -100.0 To 138.7 %



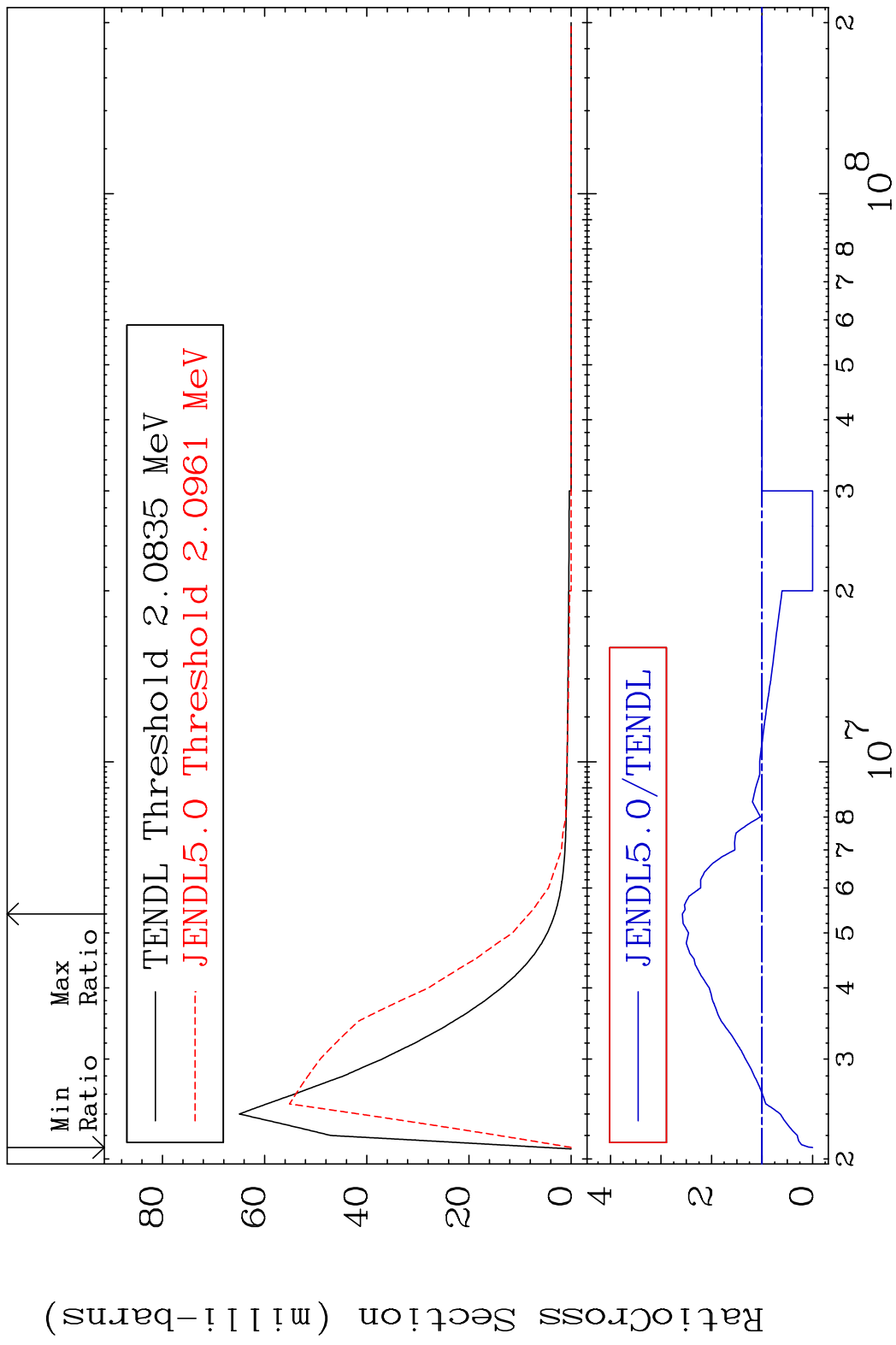
MAT 4437 MT= 58 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



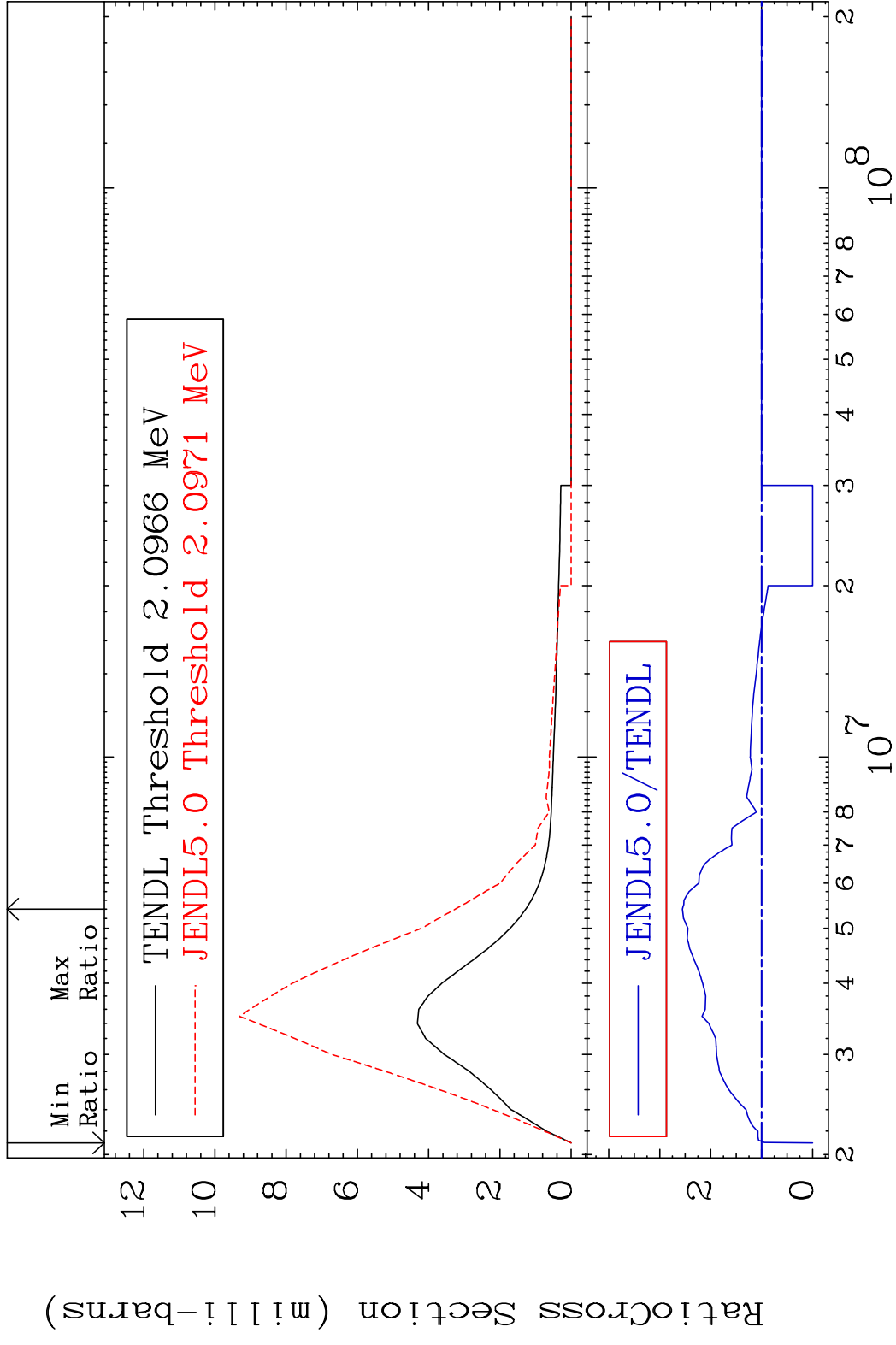
MAT 4437 MT= 59 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



MAT 4437 MT= 60 (n,n') Level 44-Ru-100
 Cross Section -100.0 To 157.8 %

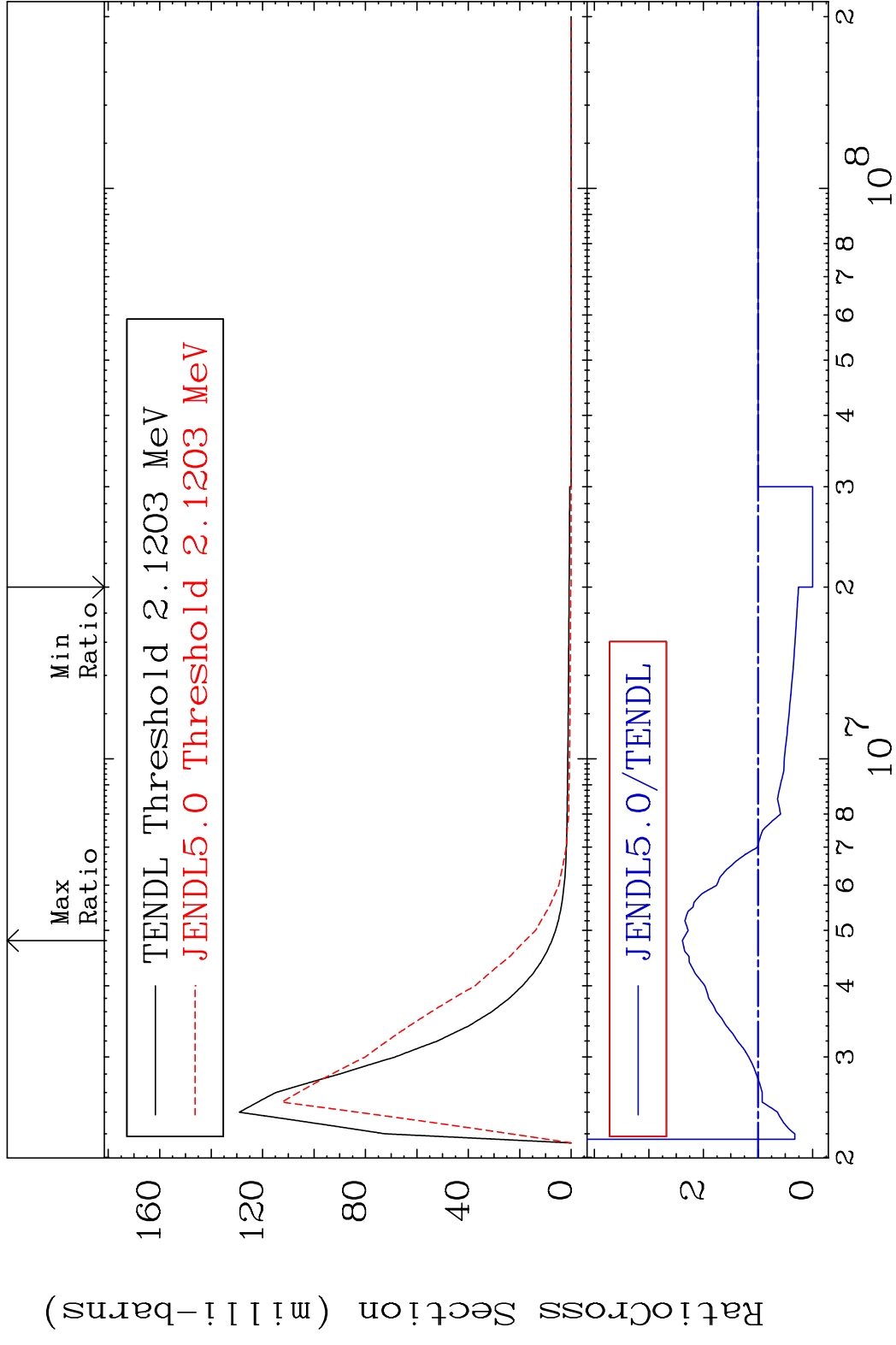


MAT 4437 MT= 61 (n,n') Level 44-Ru-100
 Cross Section -100.0 To 155.6 %

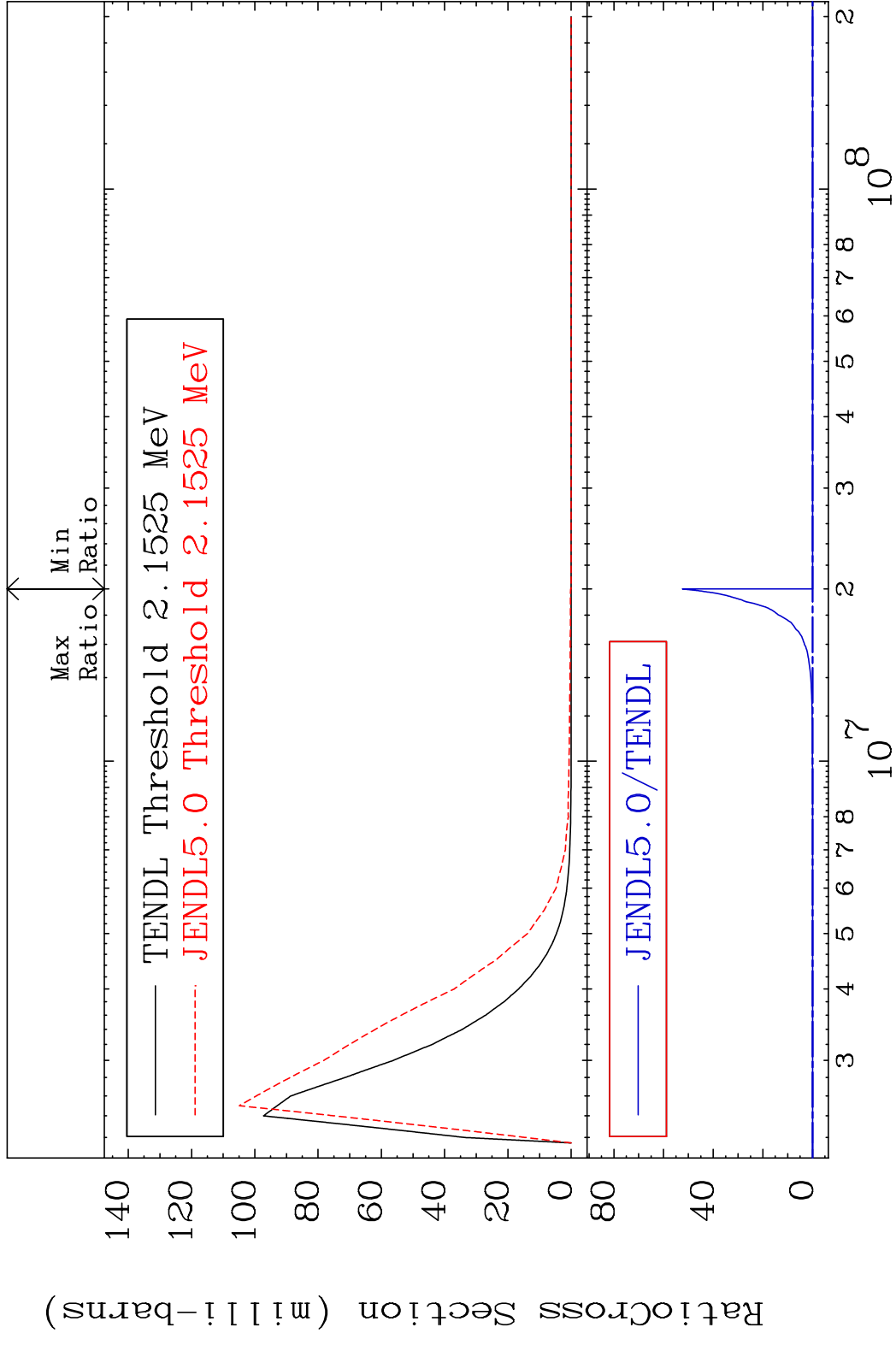


20 Incident Energy (eV) 44-Ru-100

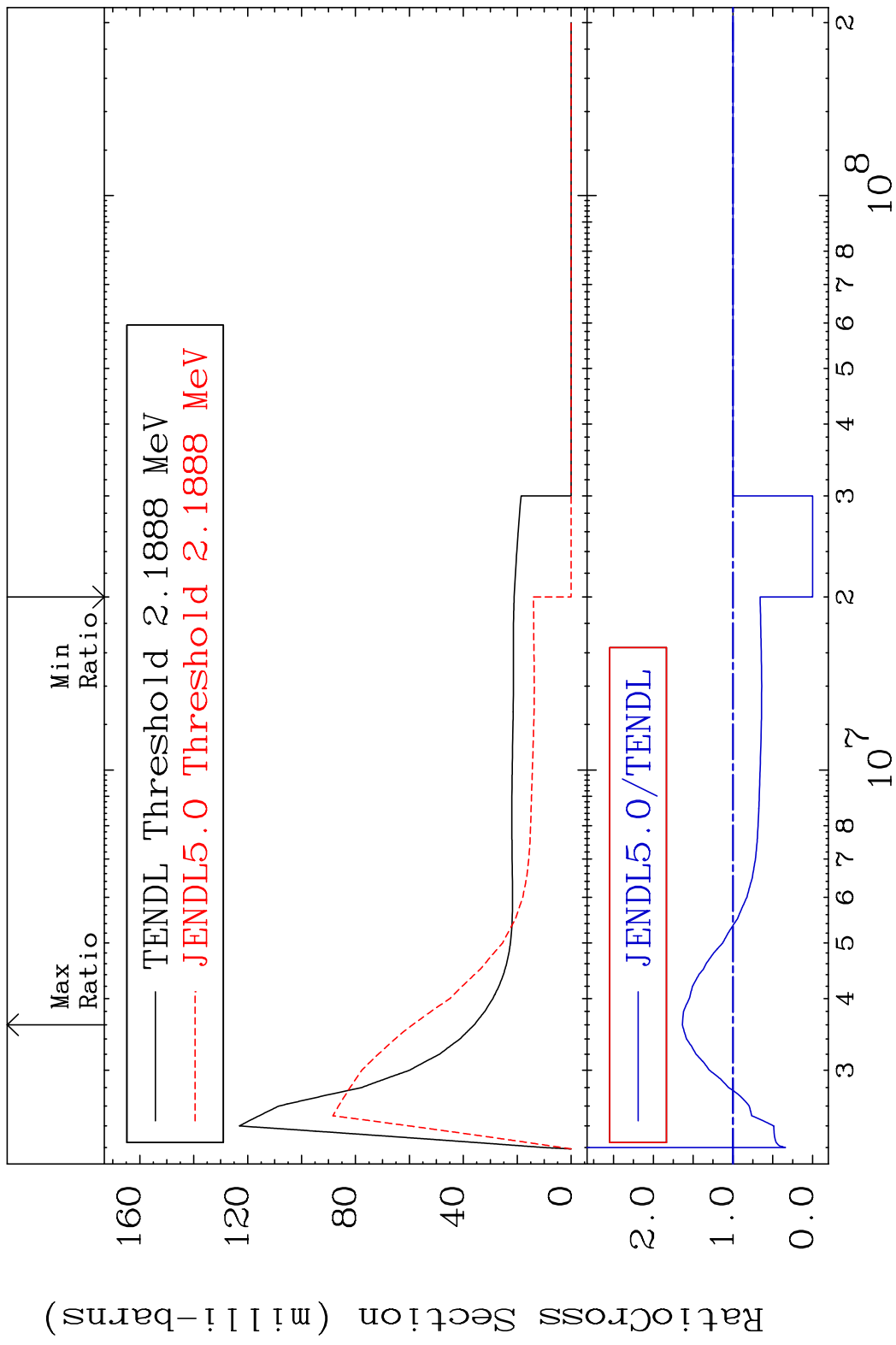
MAT 4437 MT= 62 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 138.6 %



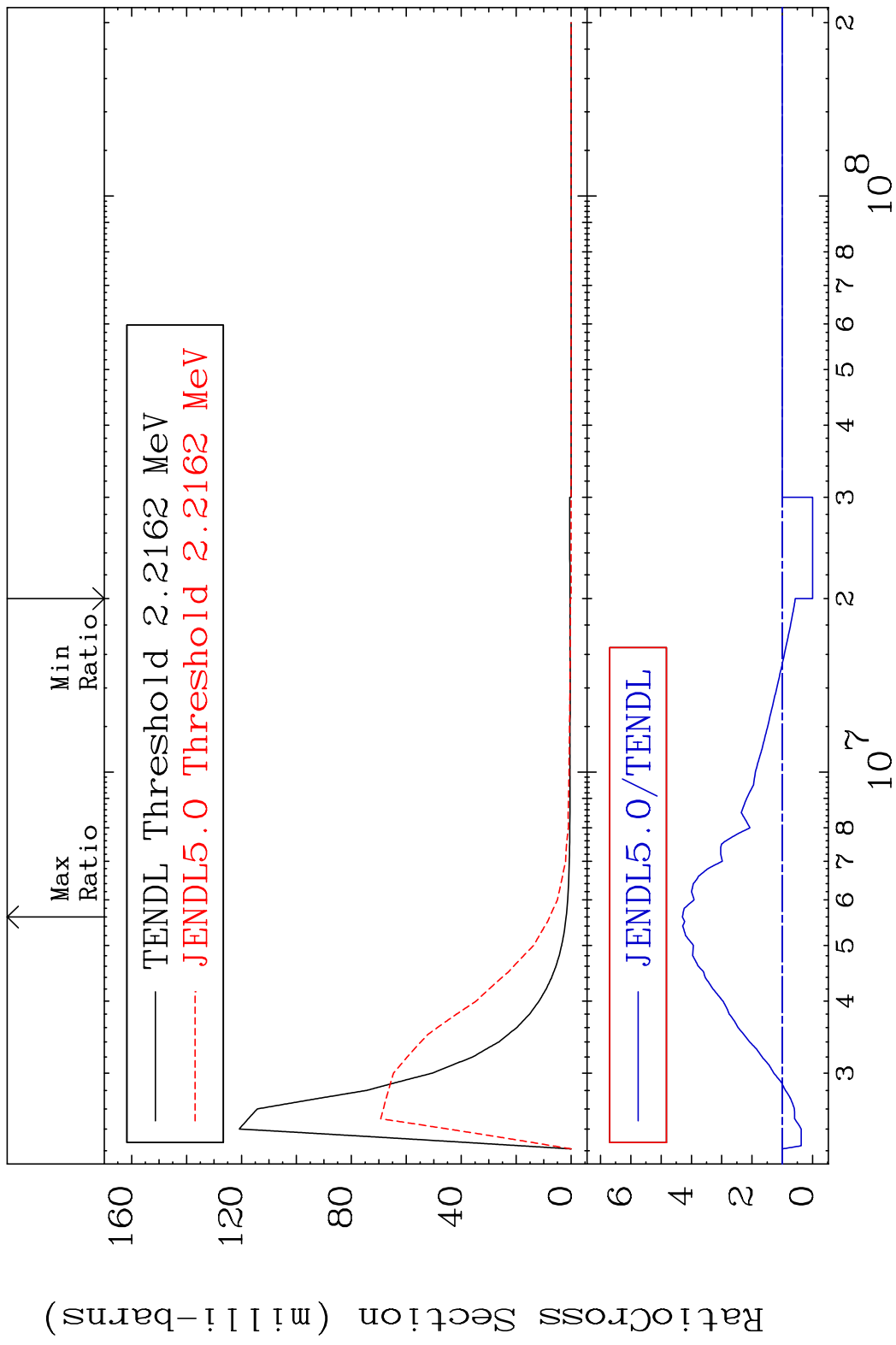
MAT 4437 MT= 63 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



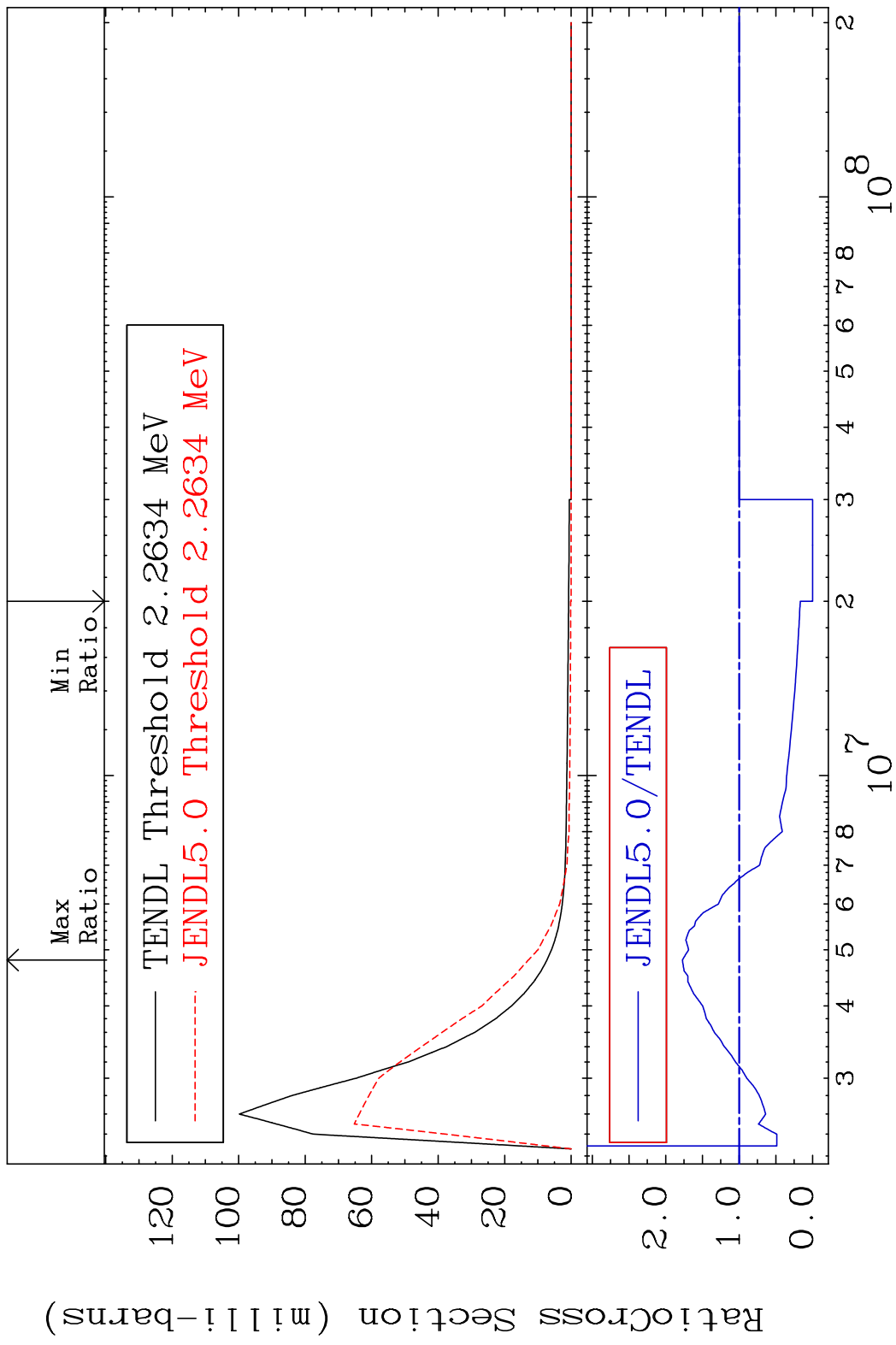
MAT 4437 MT= 64 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 63.56 %



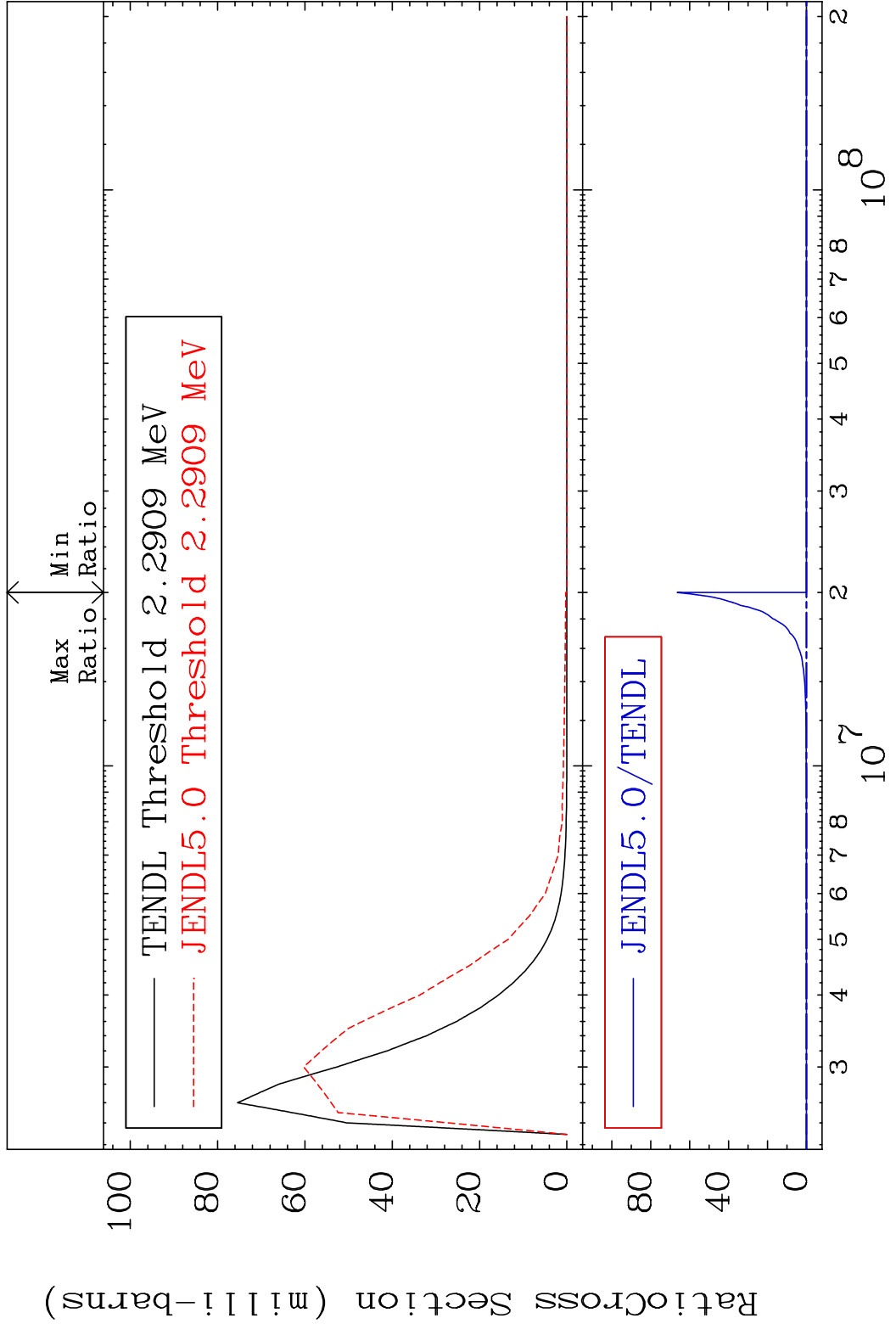
MAT 4437 MT= 65 (n,n') Level 44-Ru-100
 Cross Section -100.0 To 329.9 %



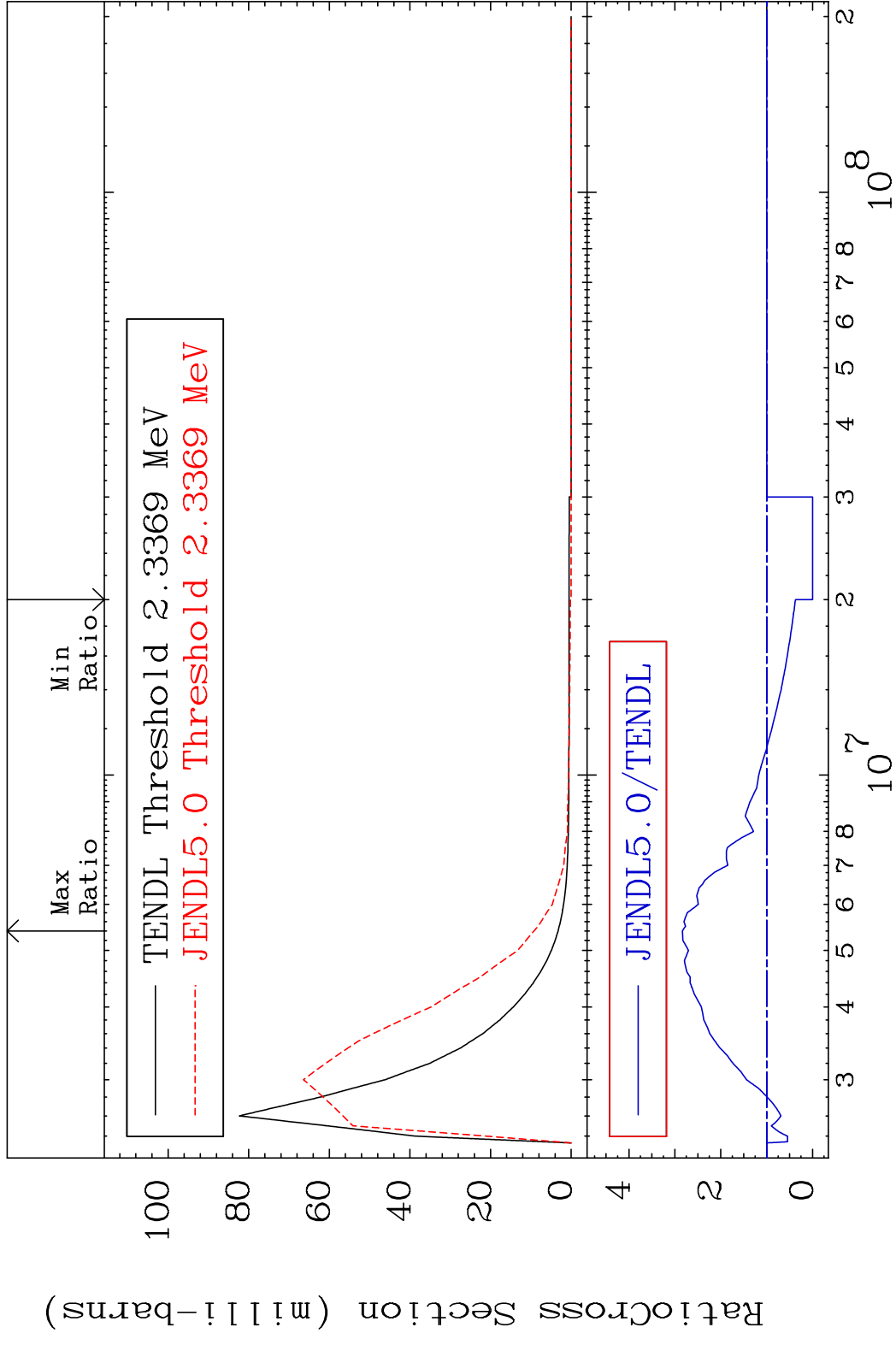
MAT 4437 MT= 66 (n,n') Level 44-Ru-100
 Cross Section -100.0 To 77.29 %



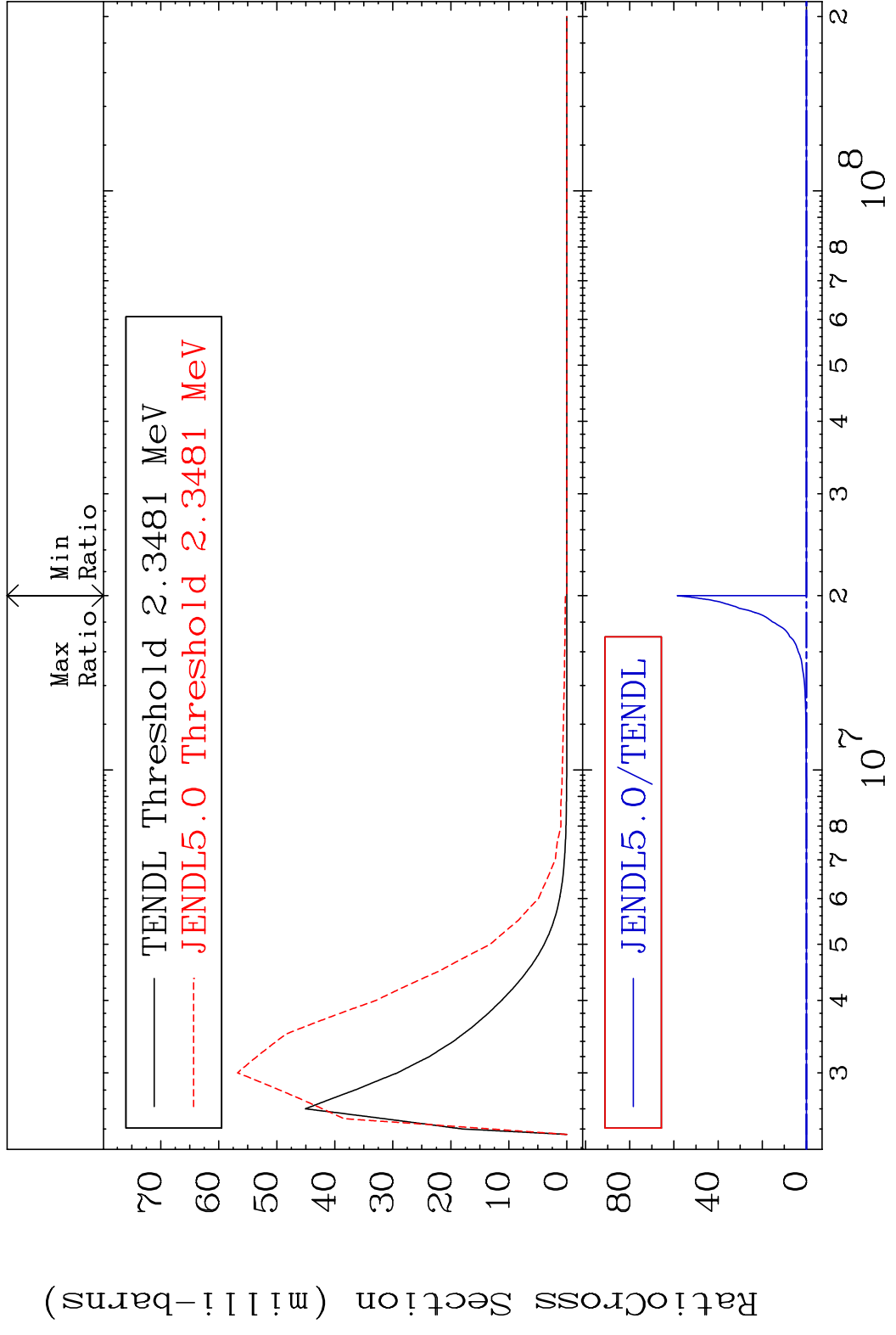
MAT 4437 MT= 67 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



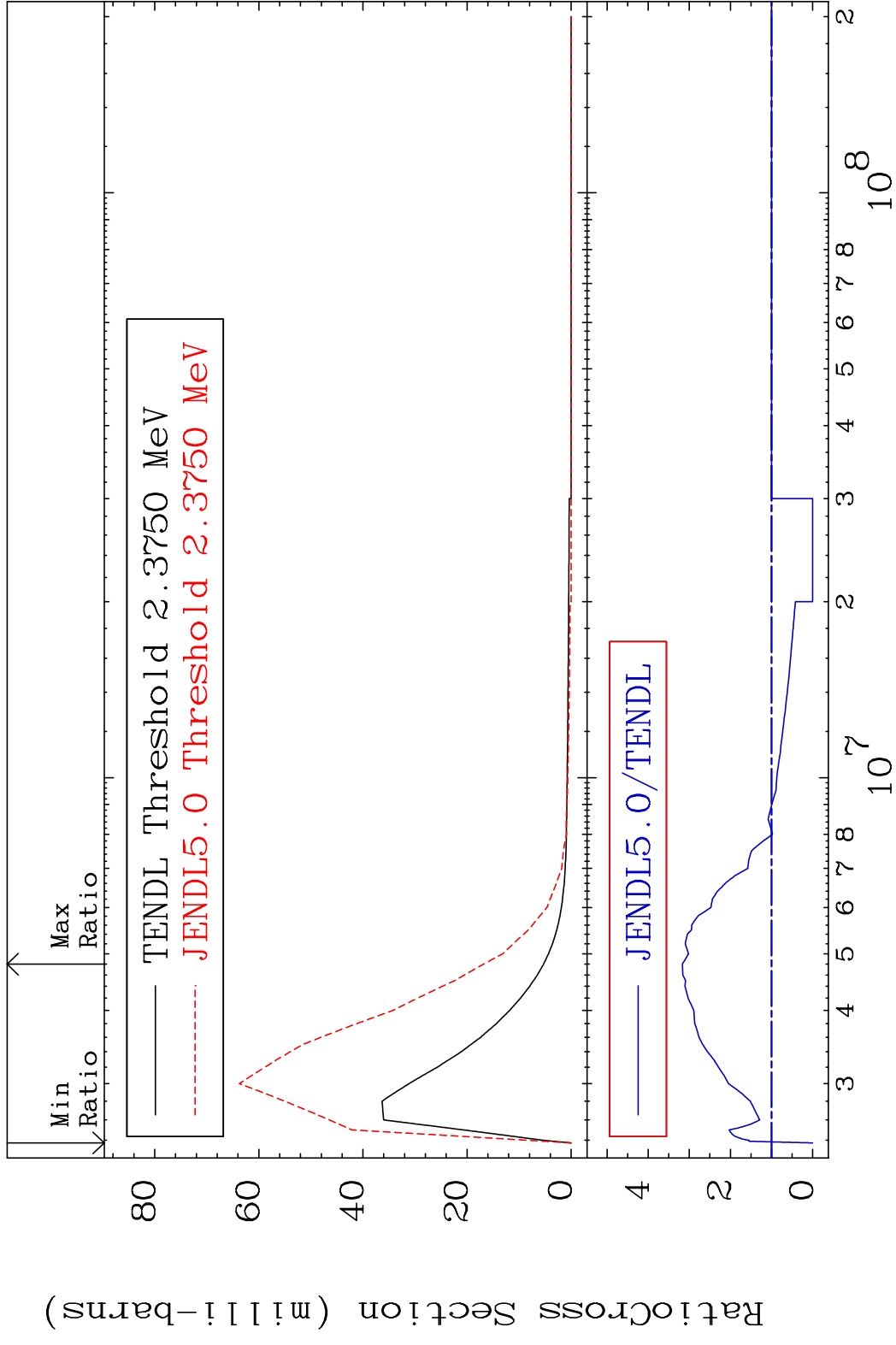
MAT 4437 MT= 68 (n,n') Level 44-Ru-100
 Cross Section -100.0 To 183.7 %



MAT 4437 MT= 69 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



MAT 4437 MT= 70 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 217.0 %

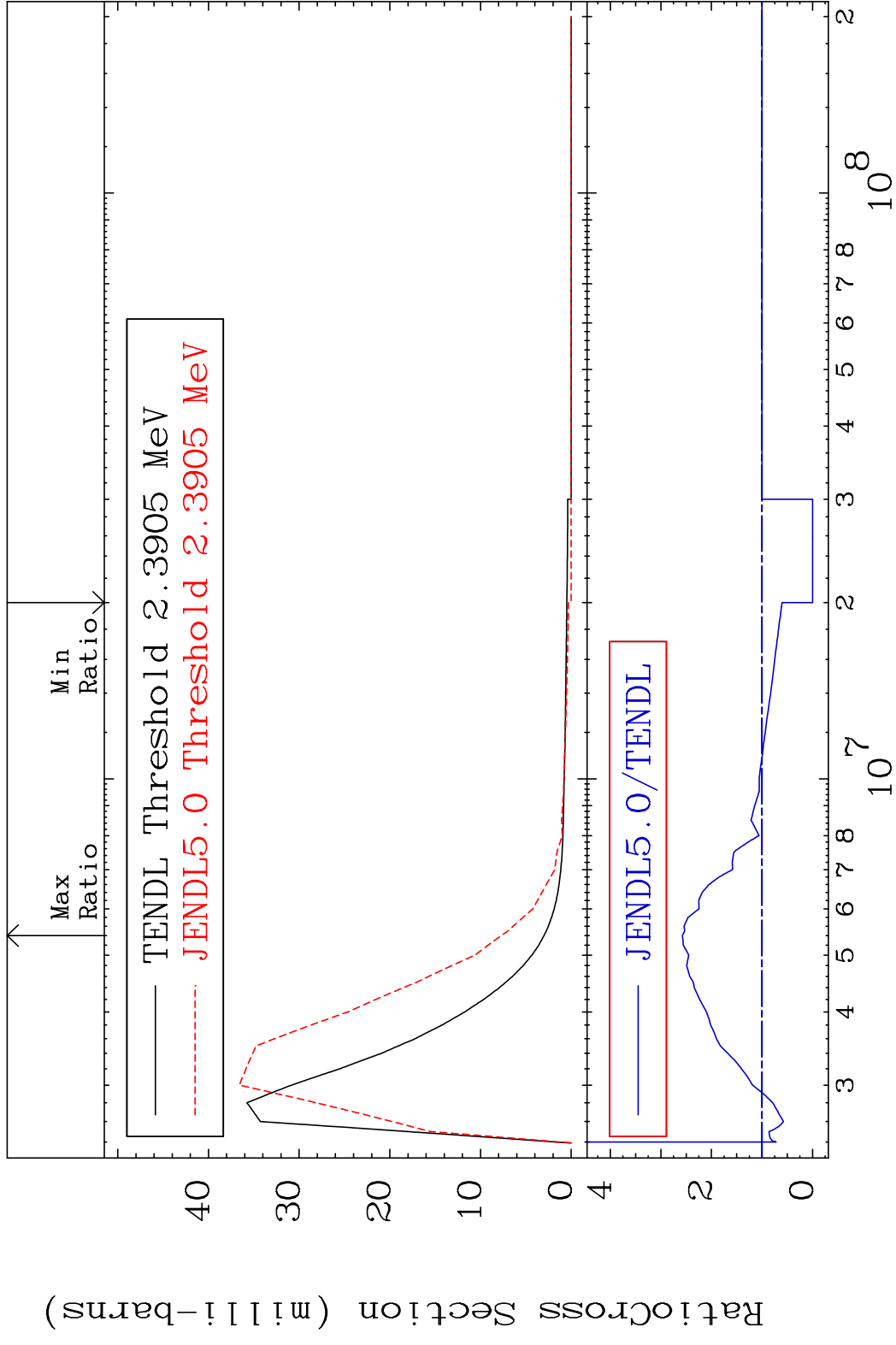


MAT 4437

MT= 71 (n,n') Level

44-Ru-100

Cross Section -100.0 To 157.6 %

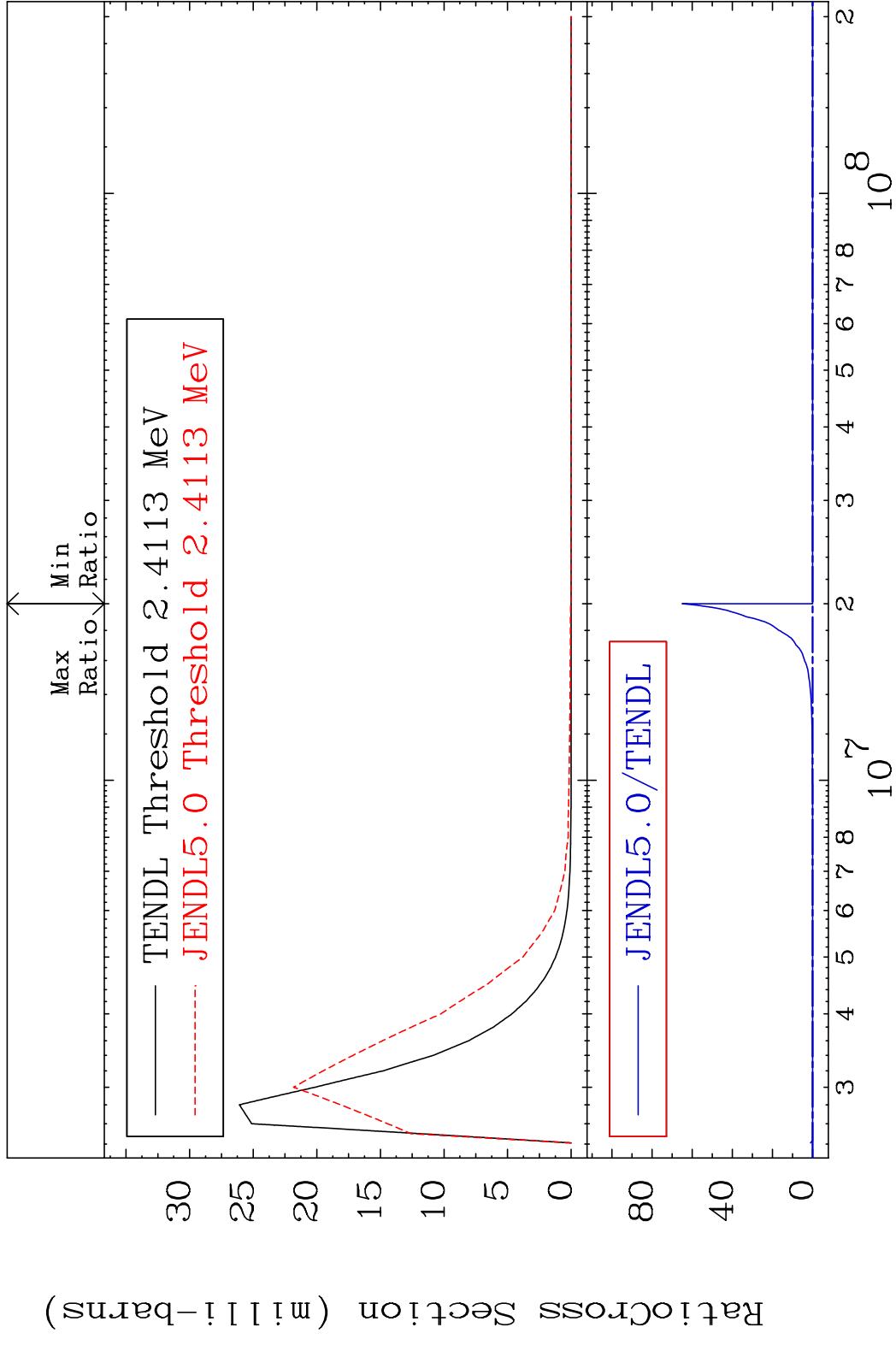


30

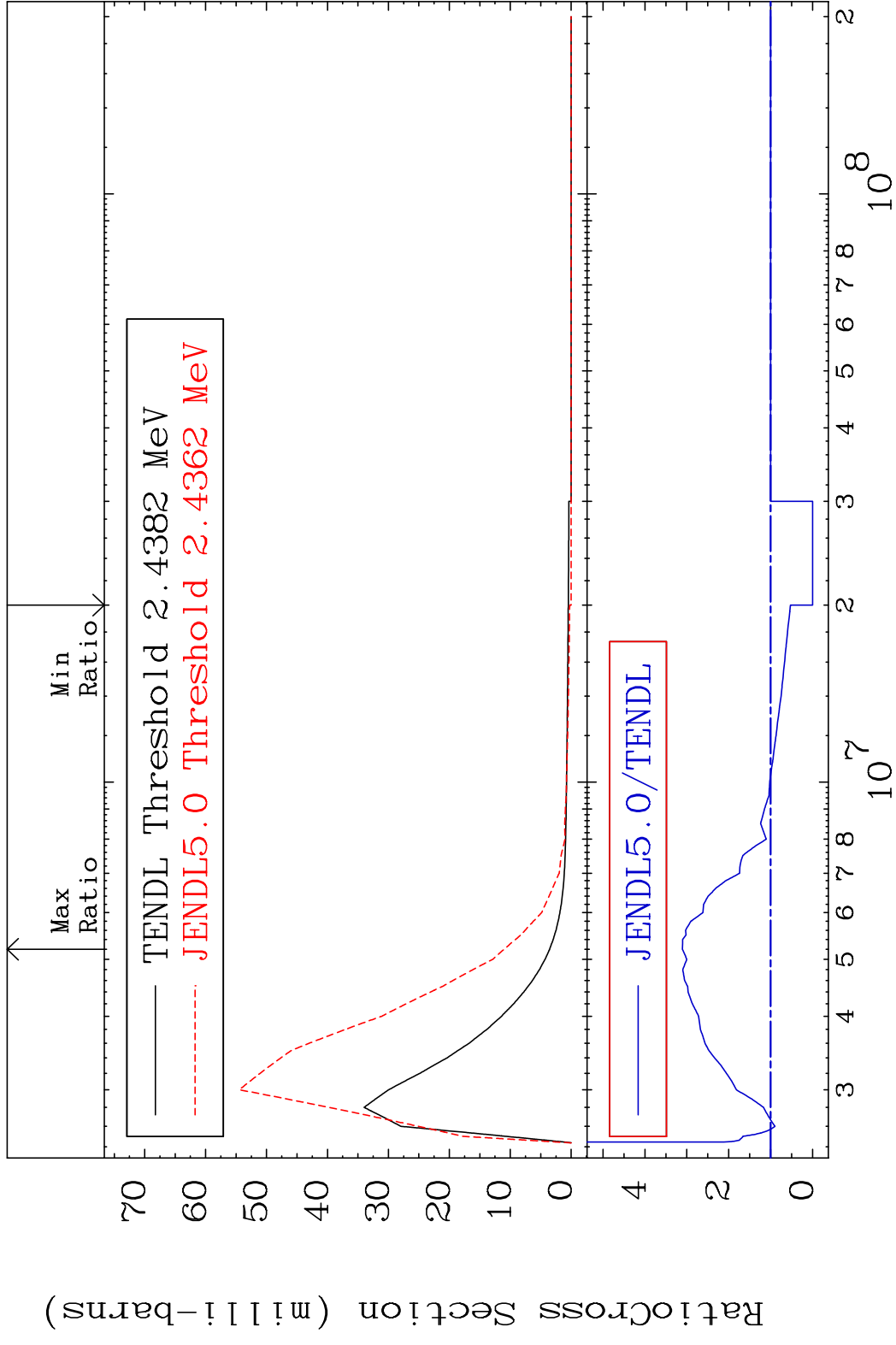
Incident Energy (eV)

44-Ru-100

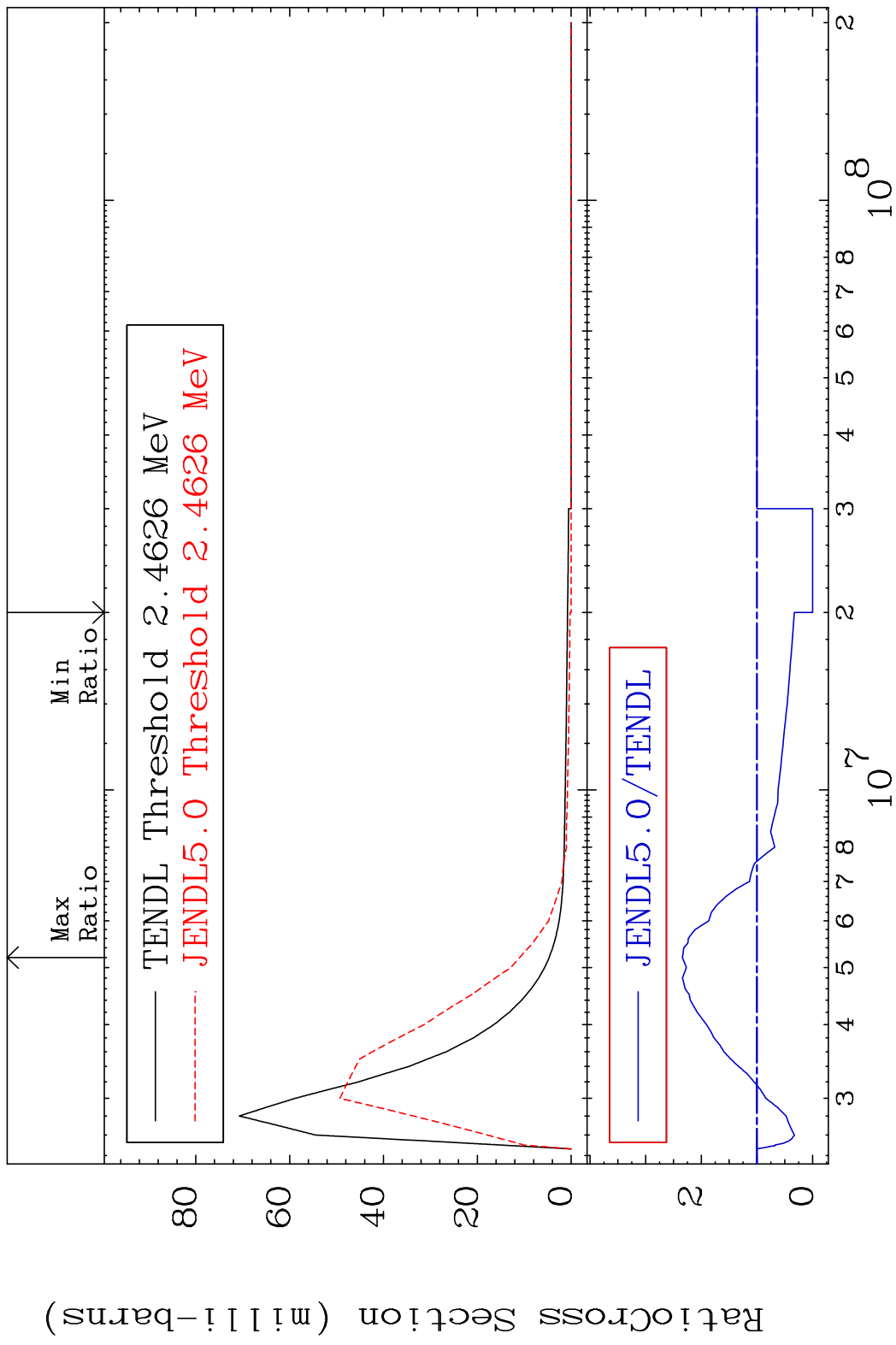
MAT 4437 MT= 72 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



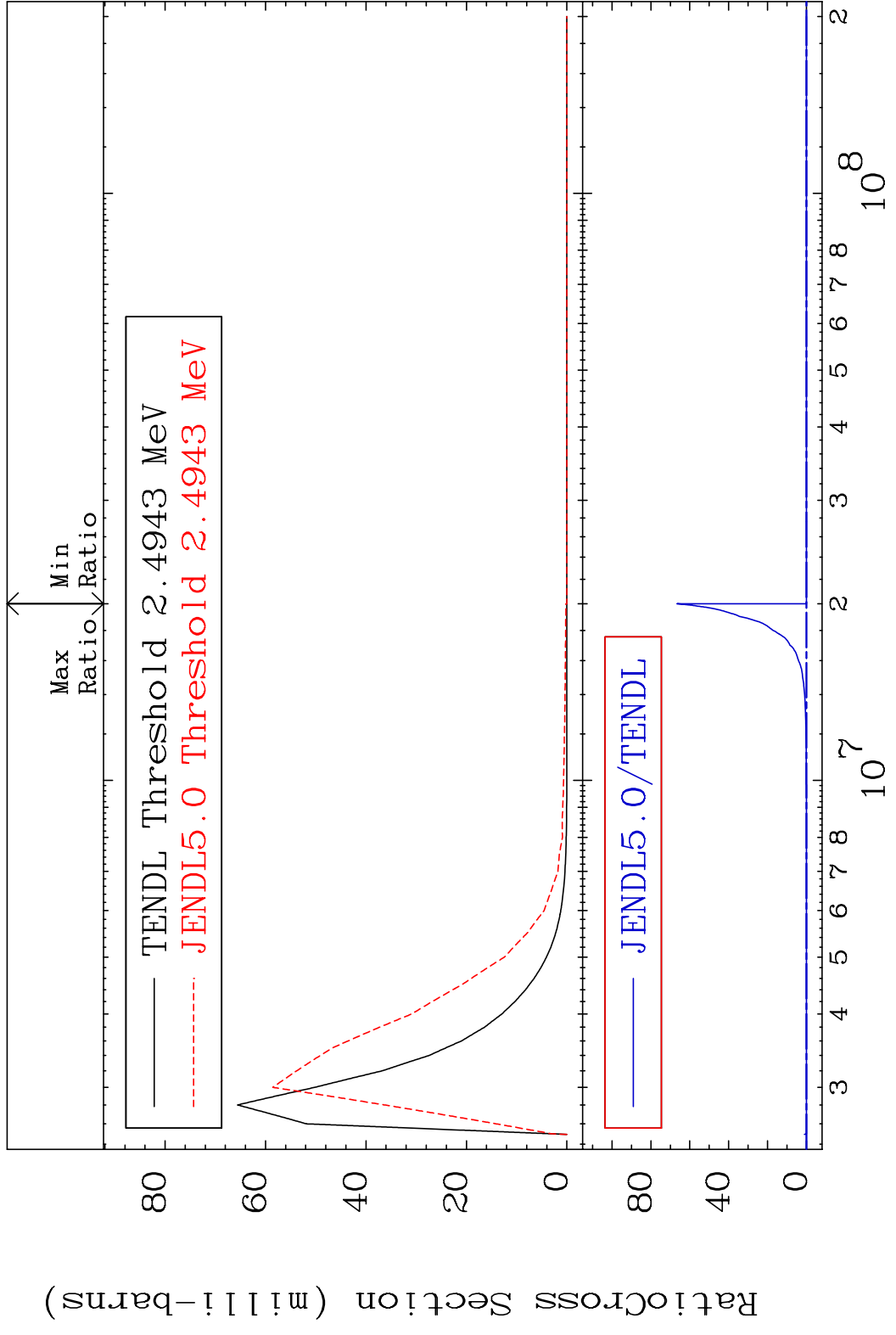
MAT 4437 MT= 73 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 210.7 %



MAT 4437 MT= 74 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 133.9 %

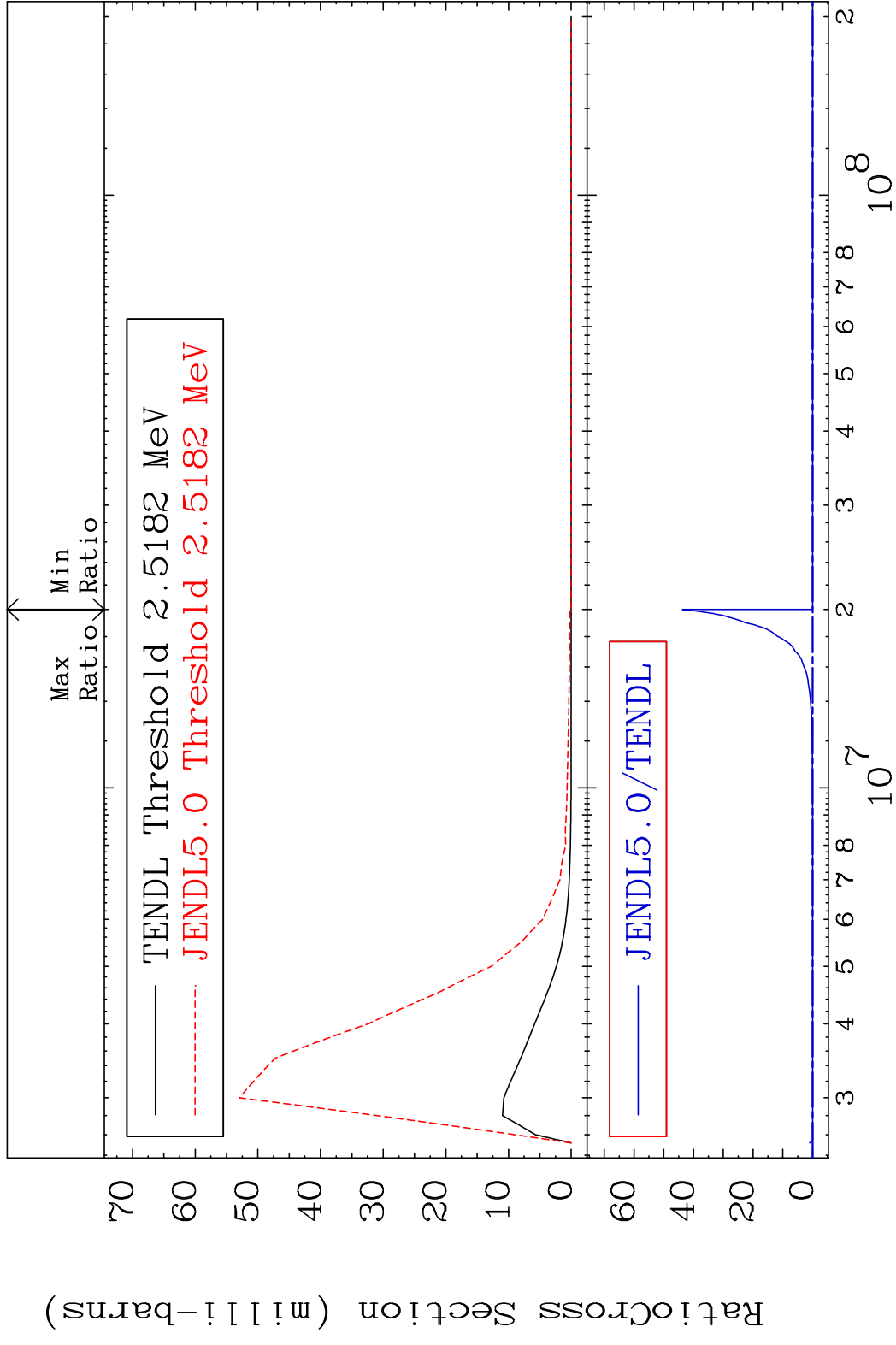


MAT 4437 MT= 75 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %

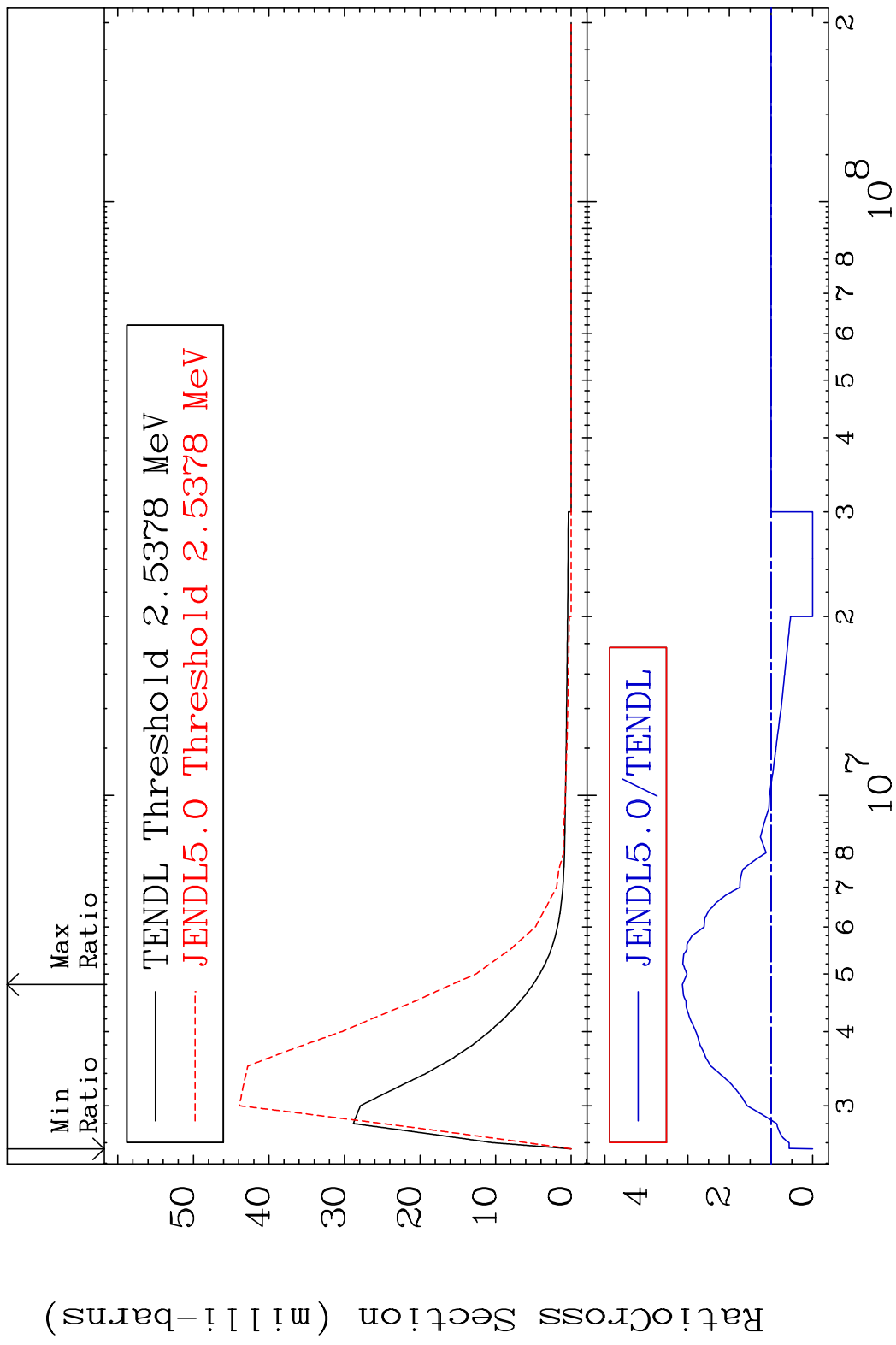


34 Incident Energy (eV) 44-Ru-100

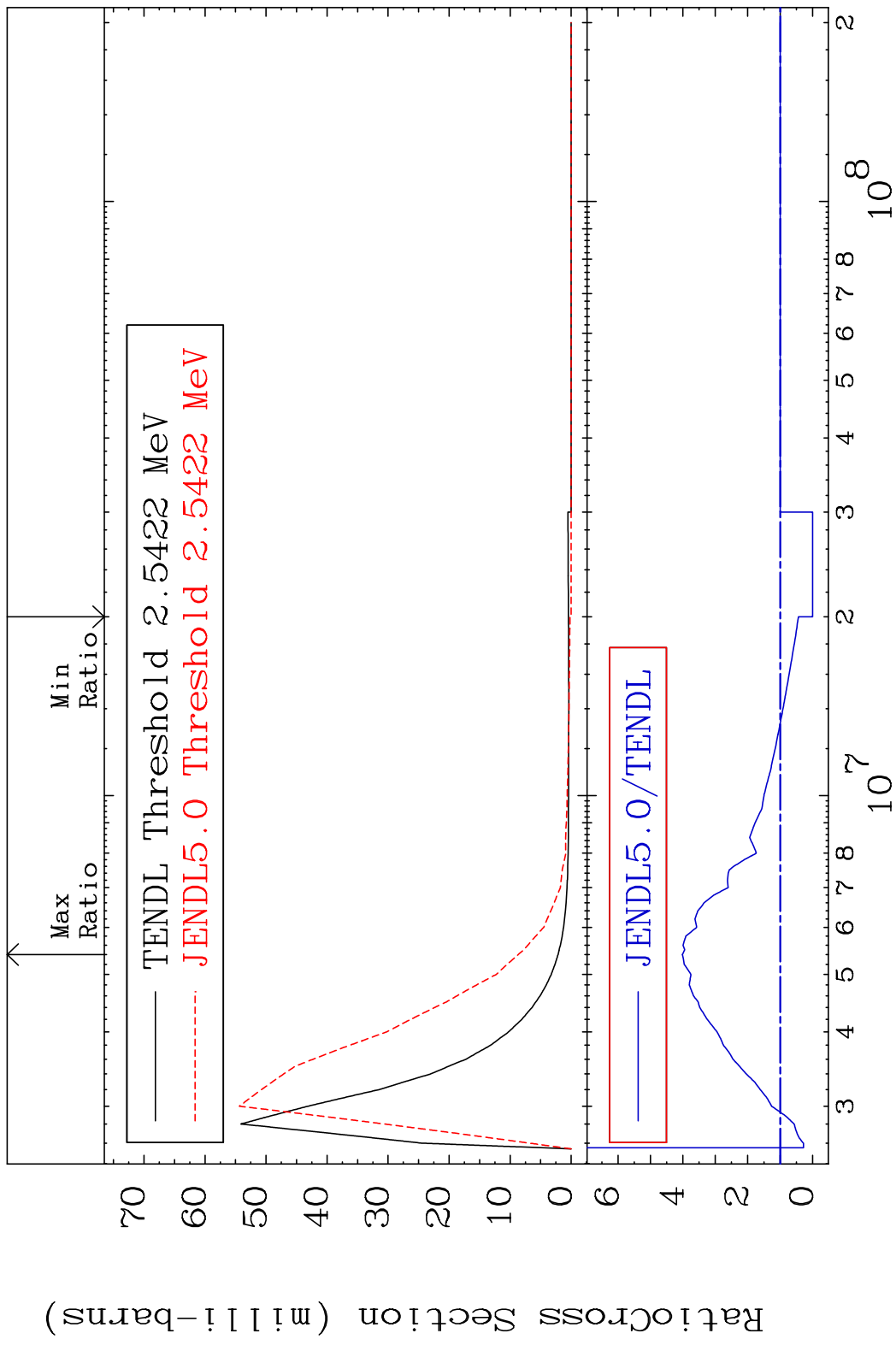
MAT 4437 MT= 76 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



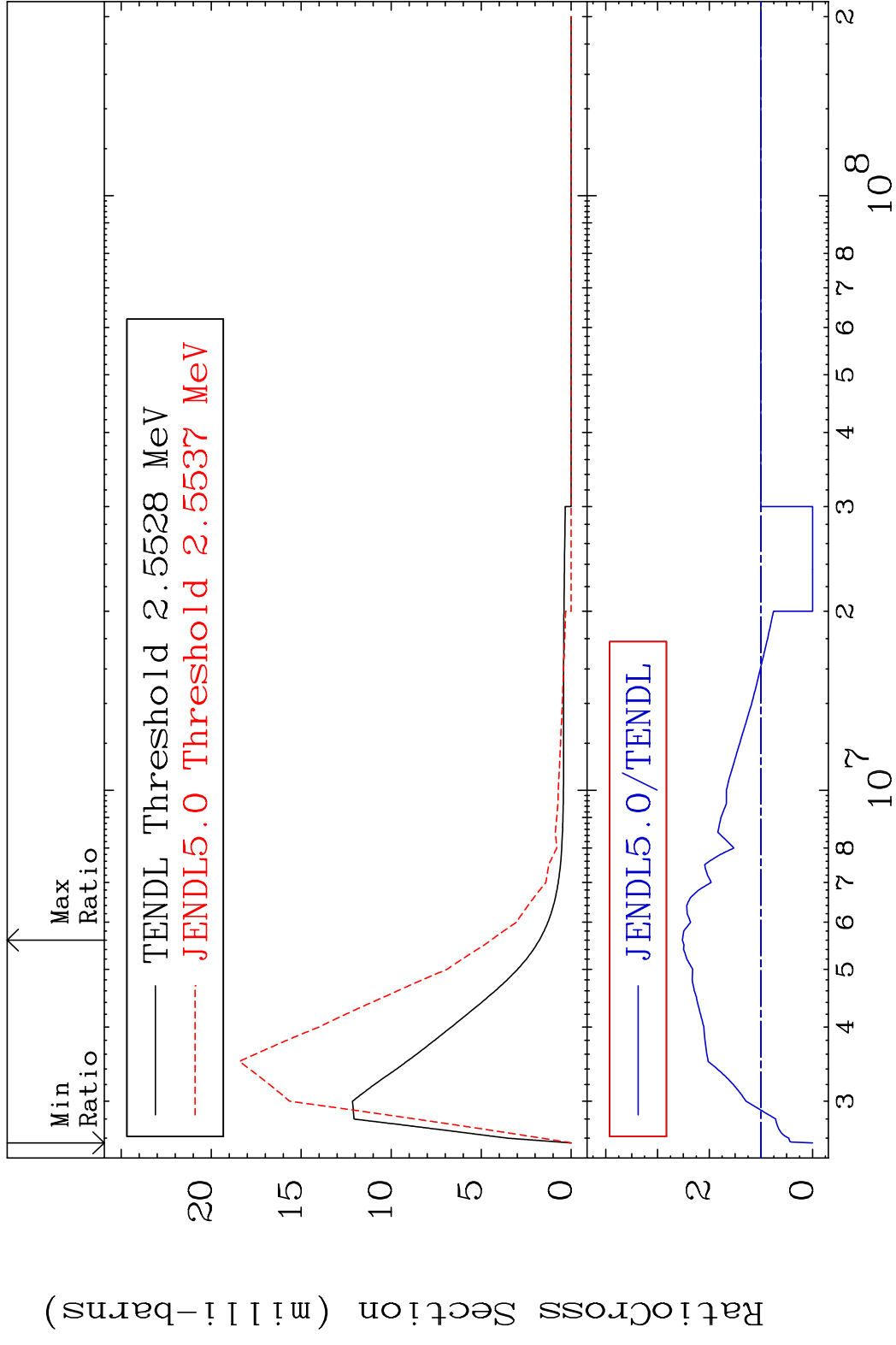
MAT 4437 MT= 77 (n,n') Level 44-Ru-100
 Cross Section -100.0 To 213.4 %



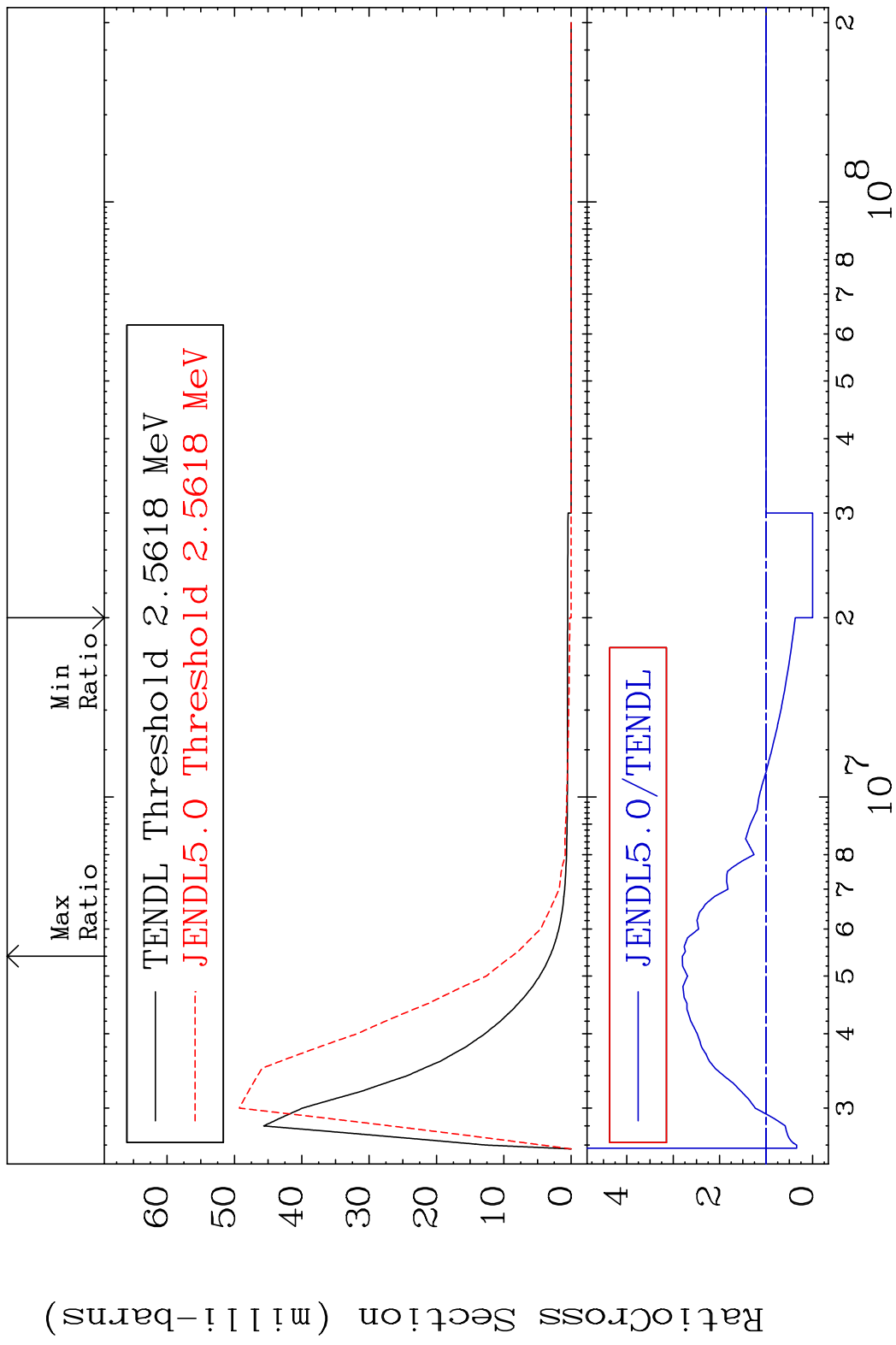
MAT 4437 MT= 78 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 301.6 %



MAT 4437 MT= 79 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 151.9 %



MAT 4437 MT= 80 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 180.3 %

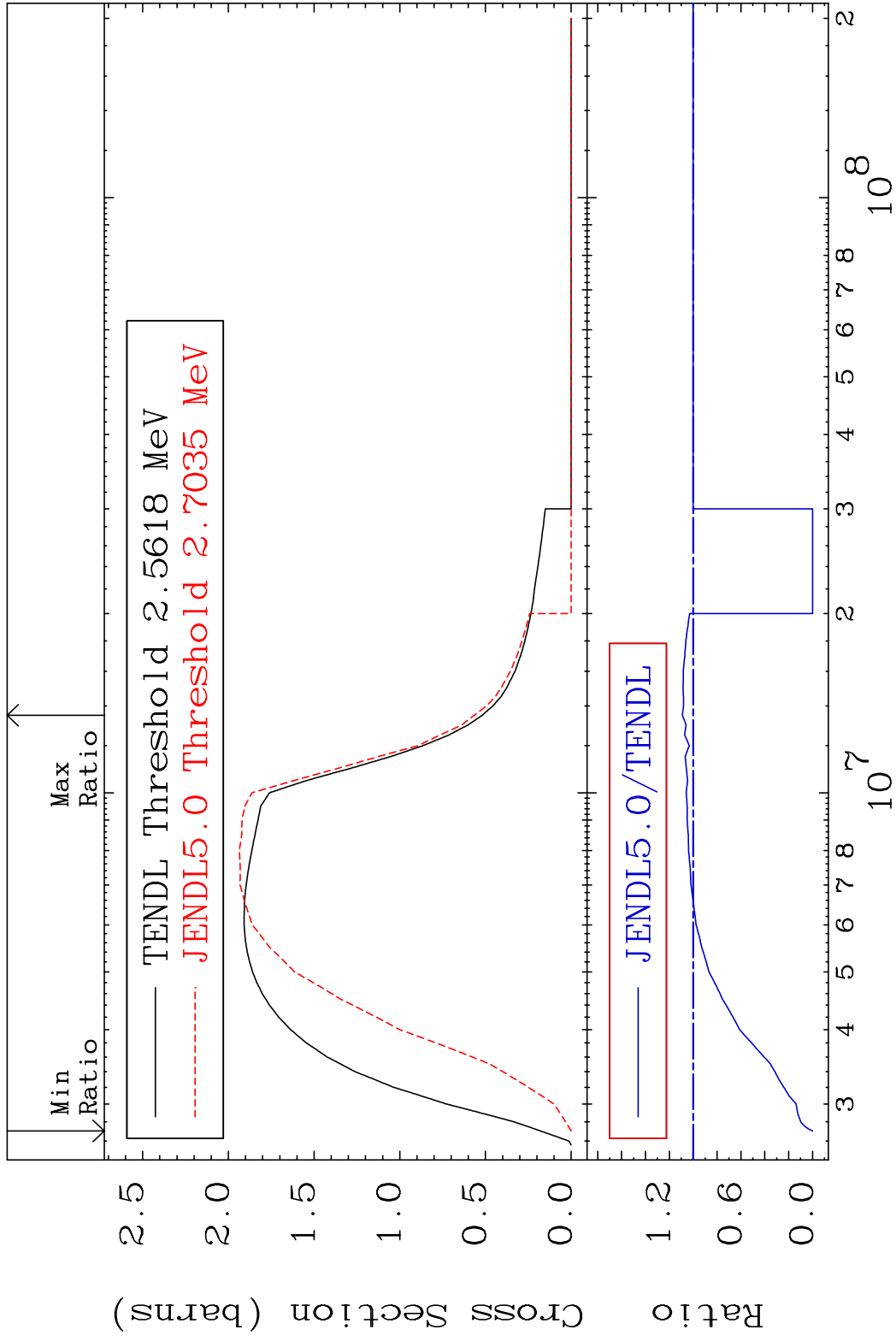


MAT 4437

(n, n') Continuum

44-Ru-100

Cross Section -100.0 To 9.093 %



40

Incident Energy (eV)

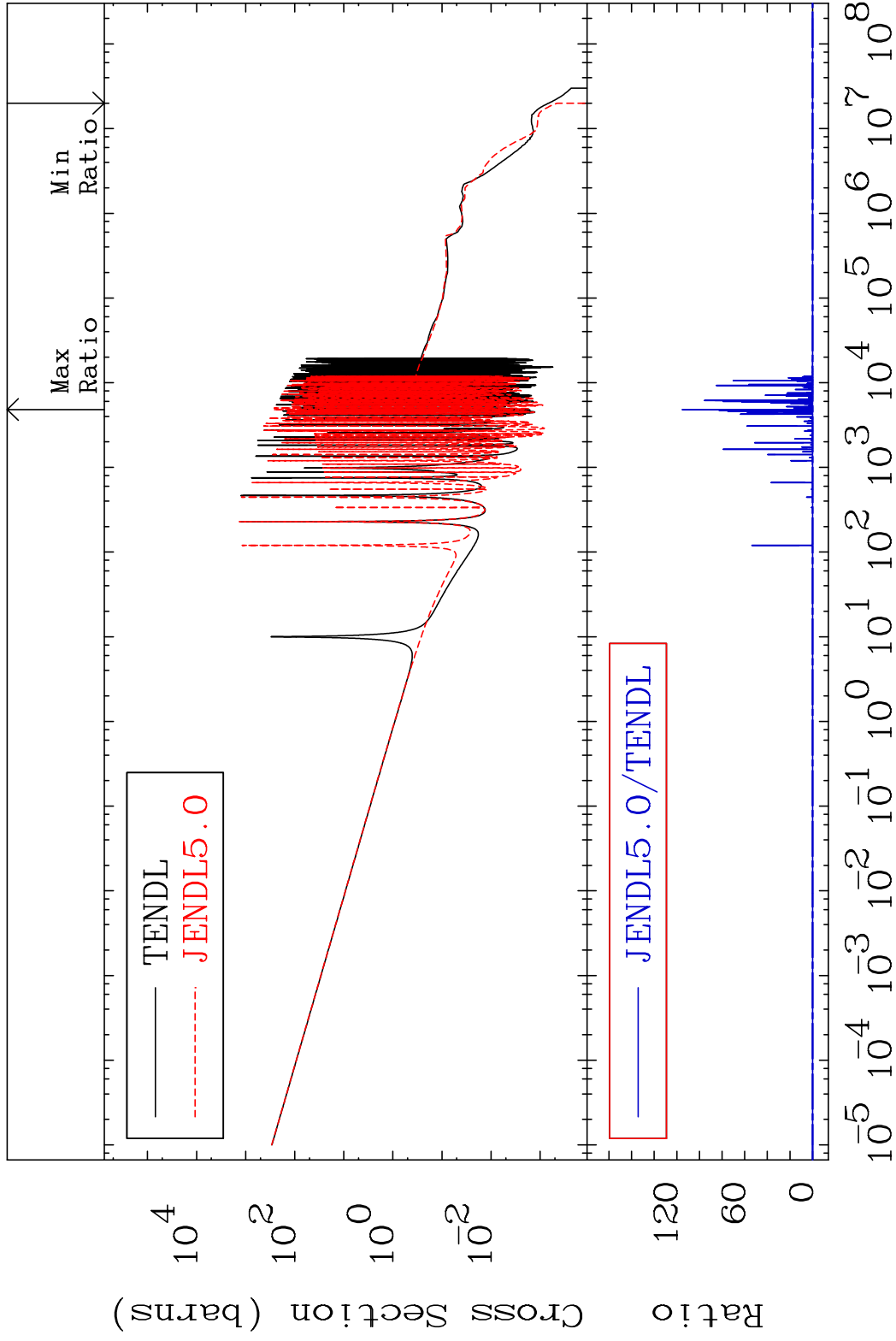
44-Ru-100

MAT 4437

(n, γ)

44-Ru-100

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

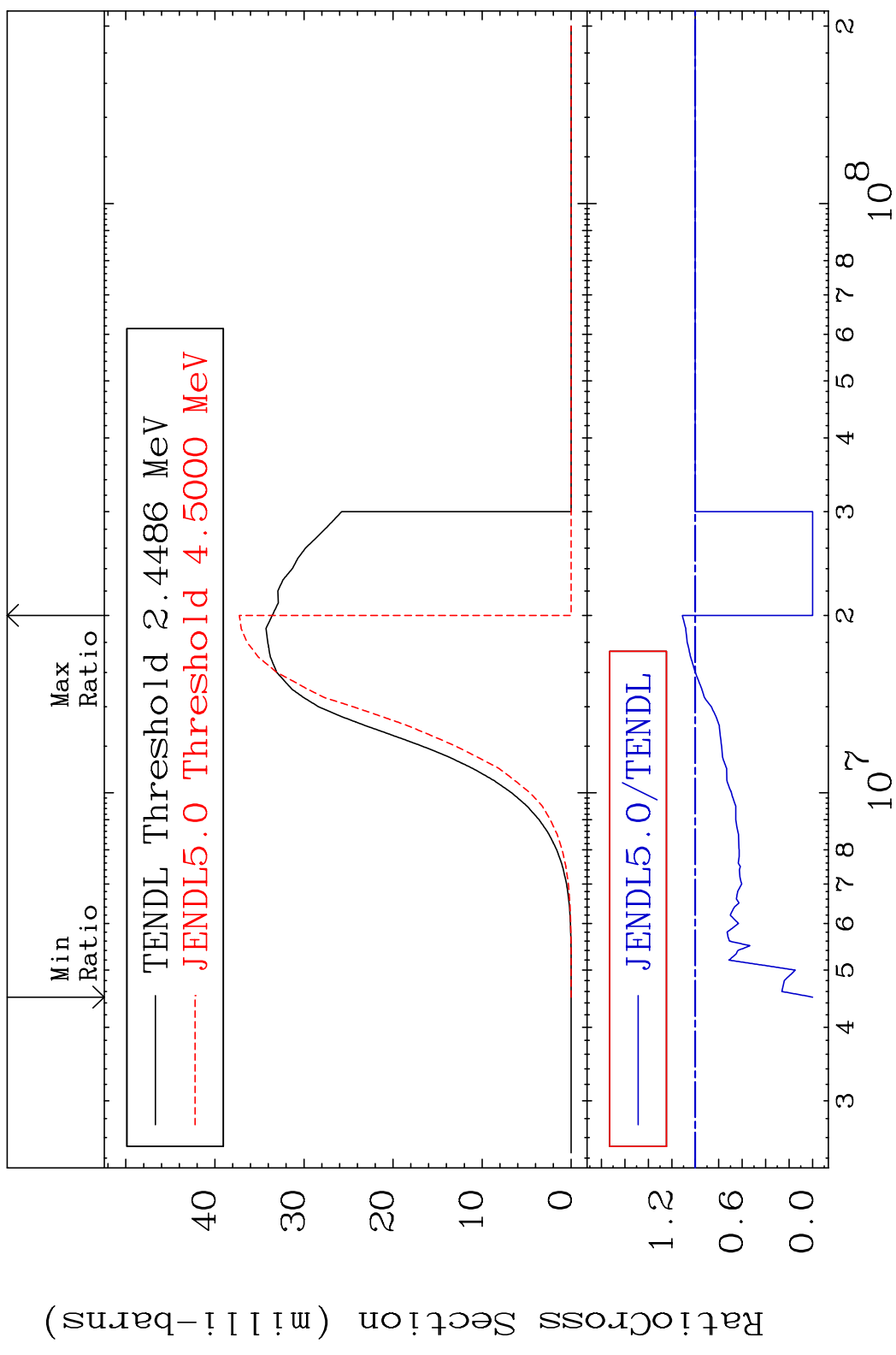
44-Ru-100

MAT 4437

(n, p)

44-Ru-100

Cross Section -100.0 To 11.01 %

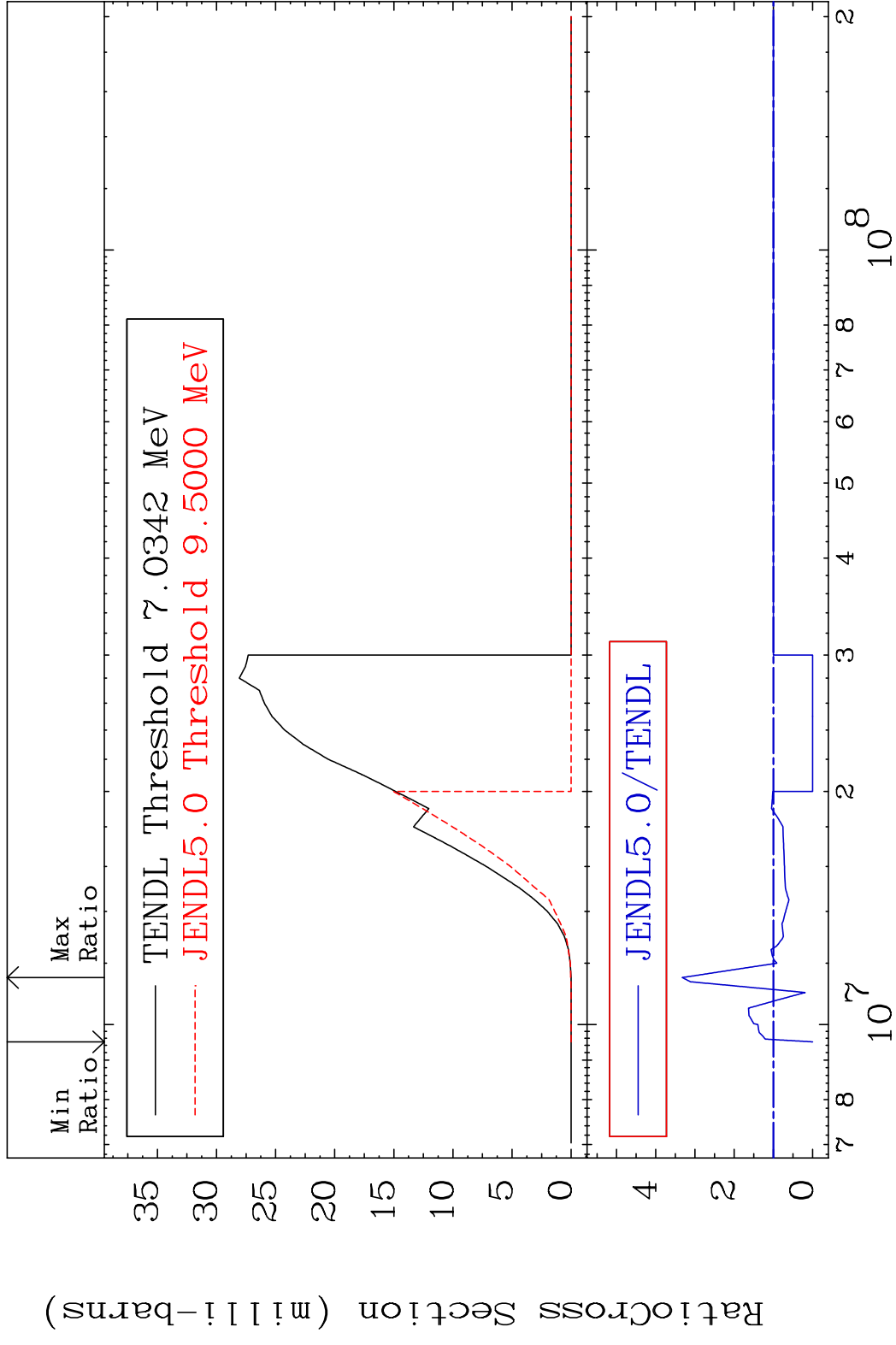


42

Incident Energy (eV)

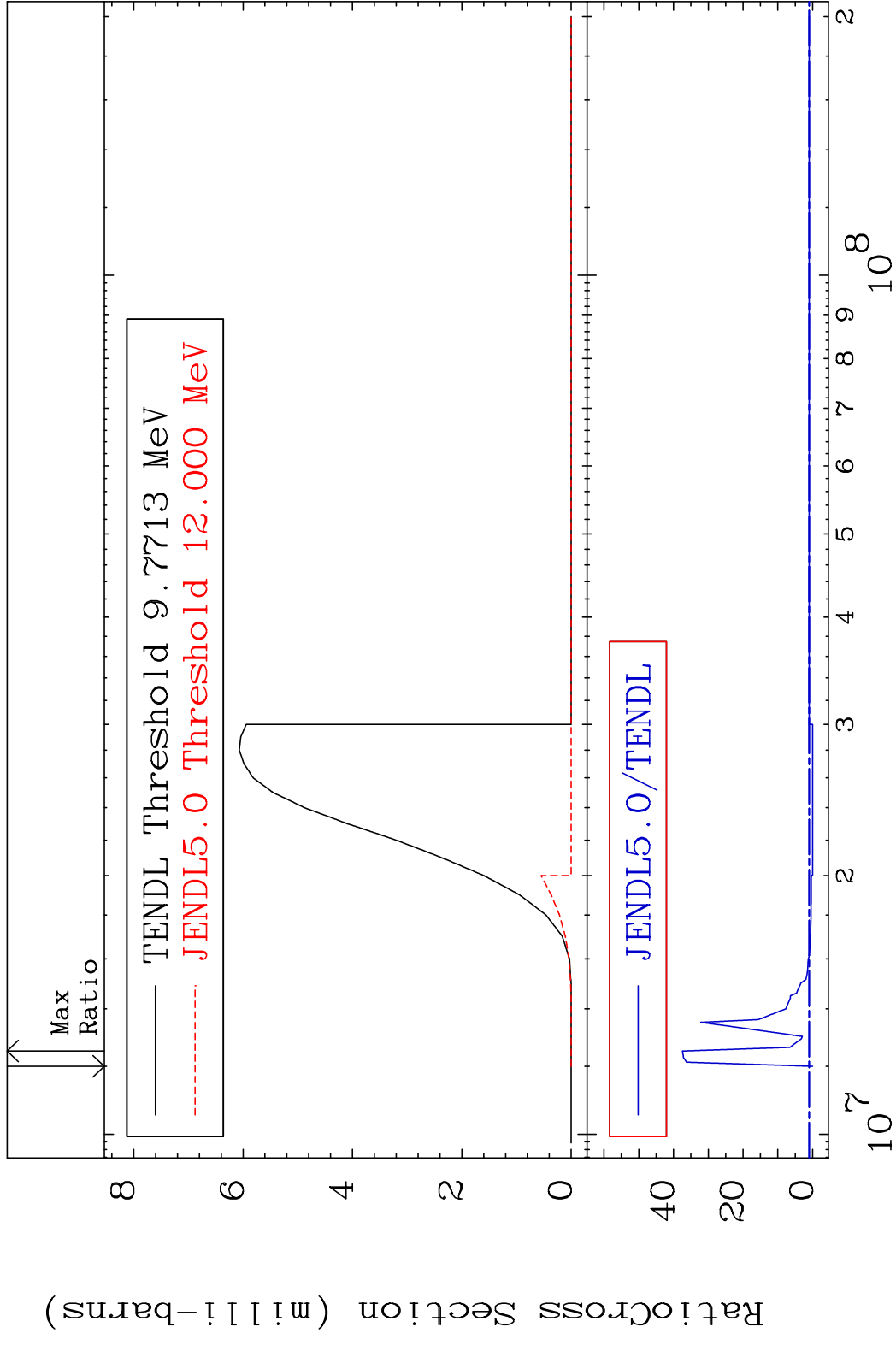
44-Ru-100

MAT 4437 (n,d) 44-Ru-100
 Cross Section -100.0 To 232.2 %



43 44-Ru-100

MAT 4437 (n, t) 44-Ru-100
 Cross Section -100.0 To 3646. %



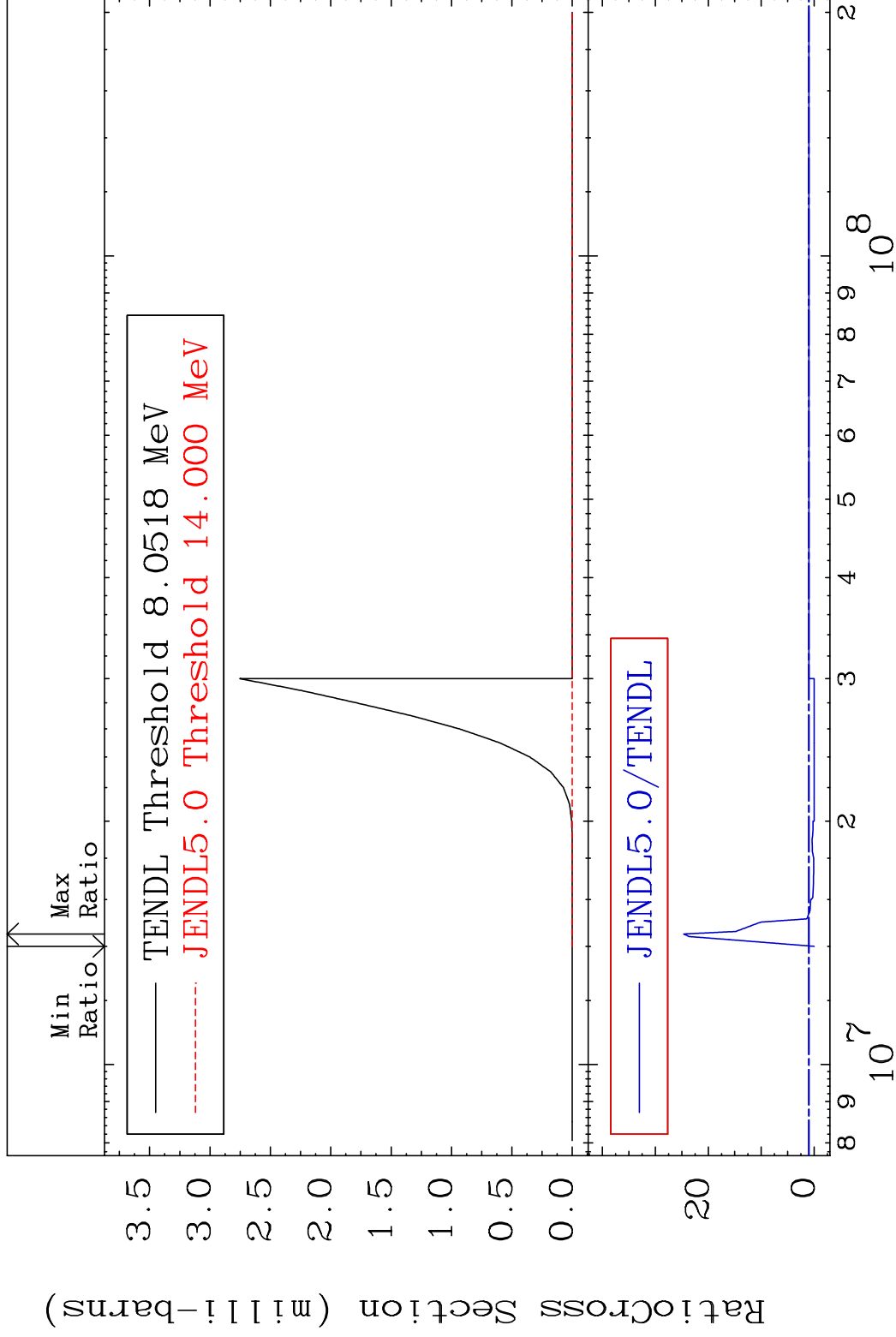
44 Incident Energy (eV) 44-Ru-100

MAT 4437

(n, He-3)

44-Ru-100

Cross Section -100.0 To 2365. %



45

Incident Energy (eV)

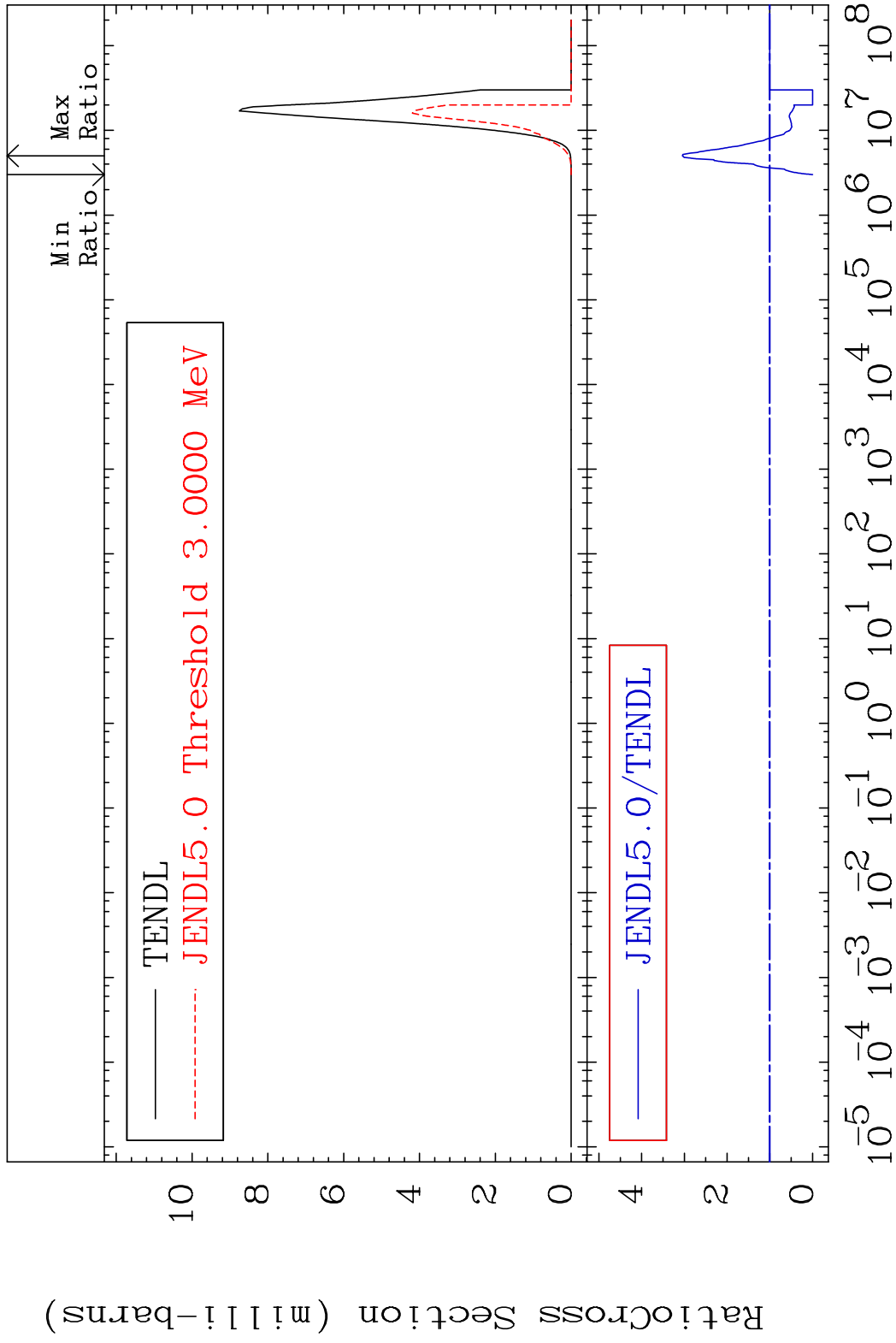
44-Ru-100

MAT 4437

(n, α)

44-Ru-100

Cross Section -100.0 To 204.7 %

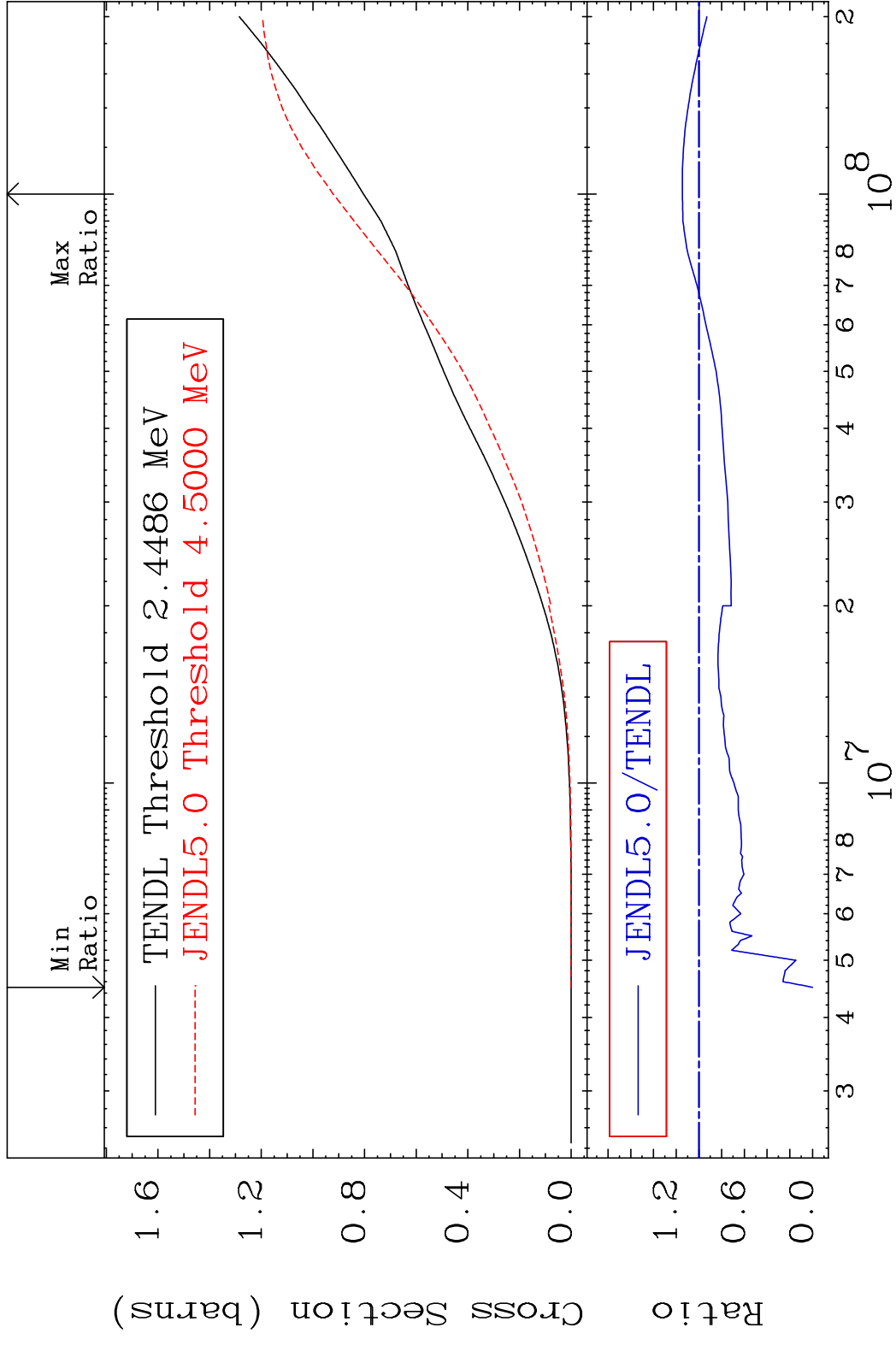


46

Incident Energy (eV)

44-Ru-100

MAT 4437 Hydrogen Production 44-Ru-100
 Cross Section -100.0 To 14.59 %



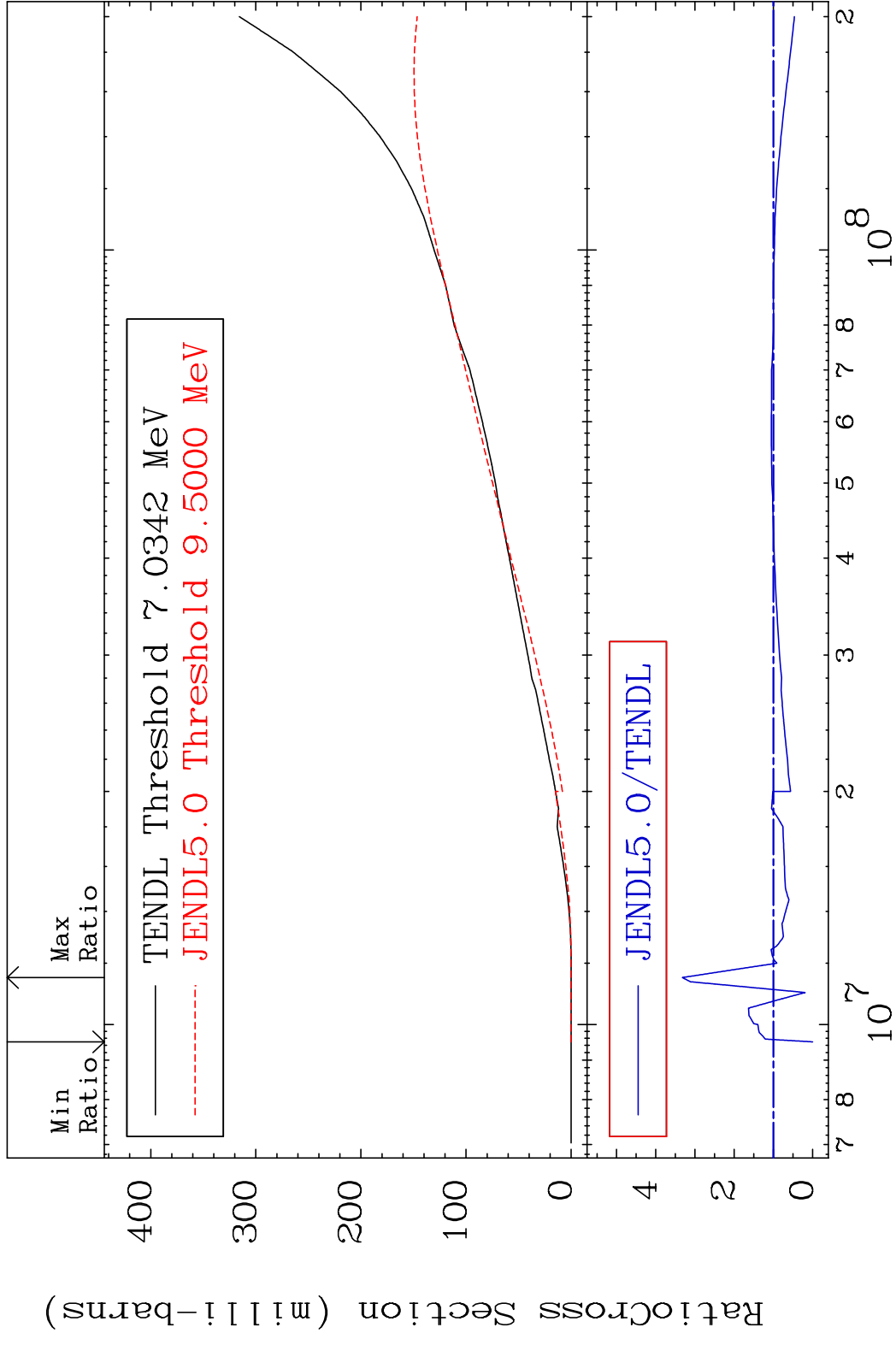
47 Incident Energy (eV) 44-Ru-100

MAT 4437

Deuterium Production

44-Ru-100

Cross Section -100.0 To 232.2 %

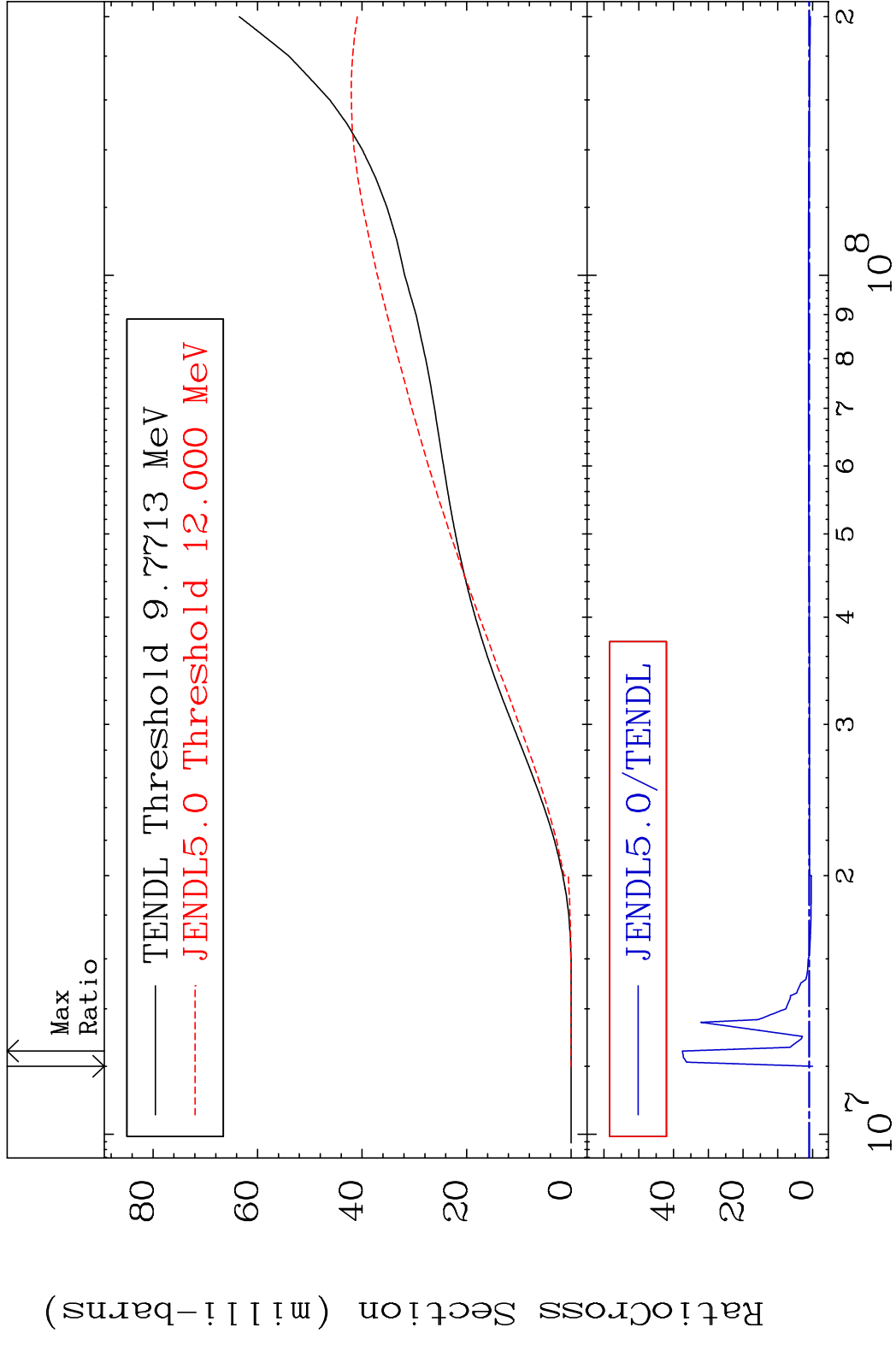


48

Incident Energy (eV)

44-Ru-100

MAT 4437 Tritium Production 44-Ru-100
 Cross Section -100.0 To 3646. %



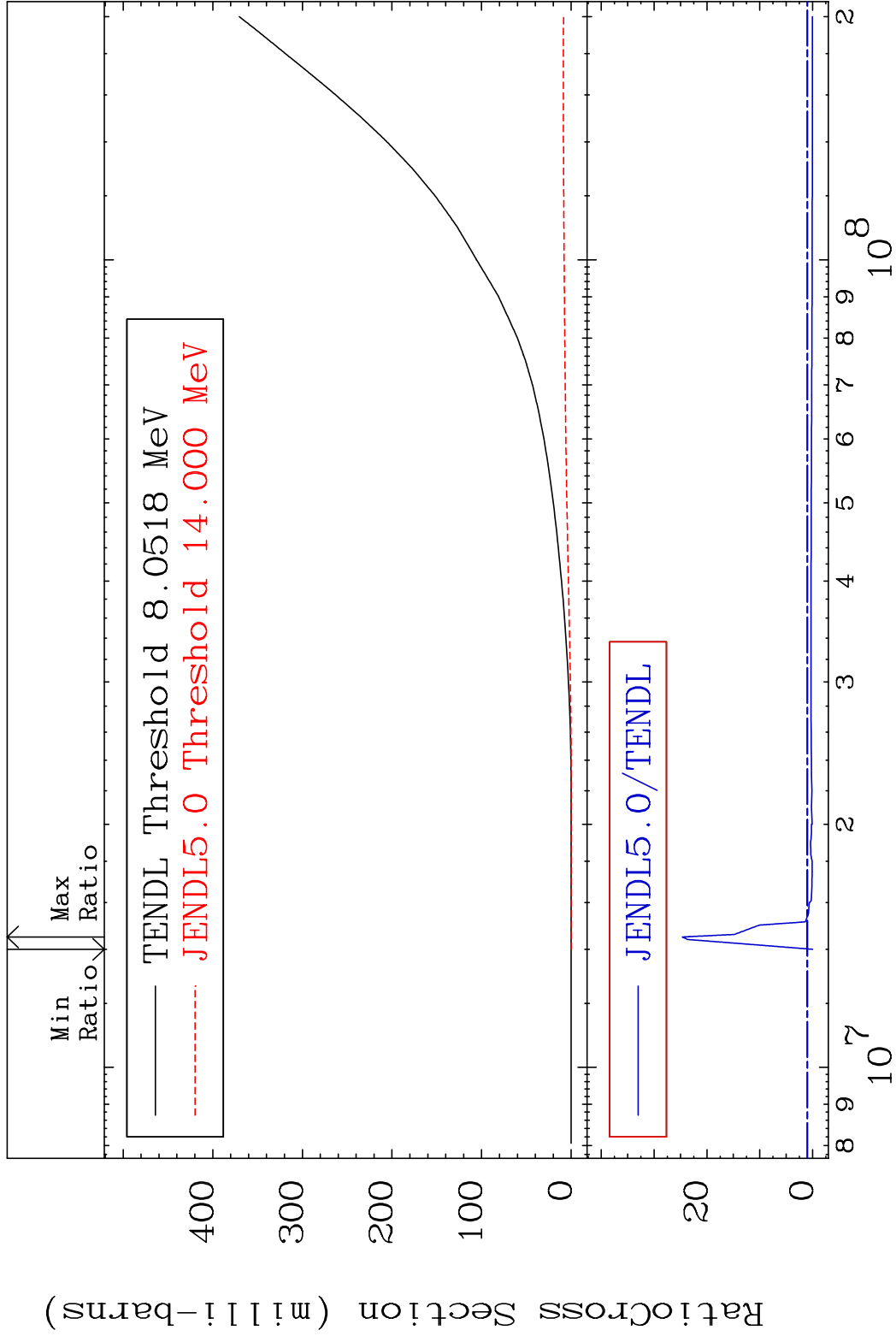
49 44-Ru-100

MAT 4437

He-3 Production

44-Ru-100

Cross Section -100.0 To 2365. %



50

Incident Energy (eV)

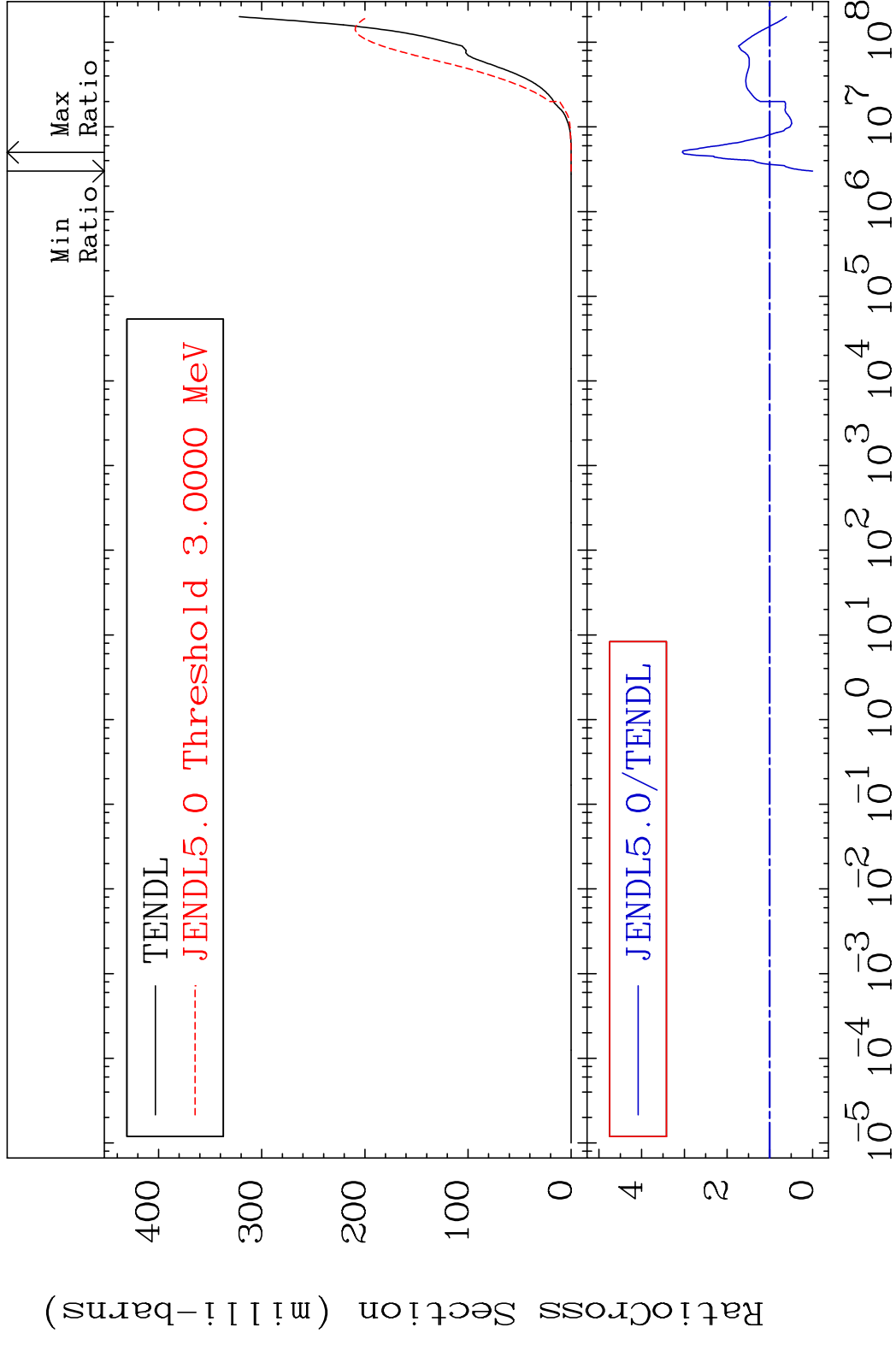
44-Ru-100

MAT 4437

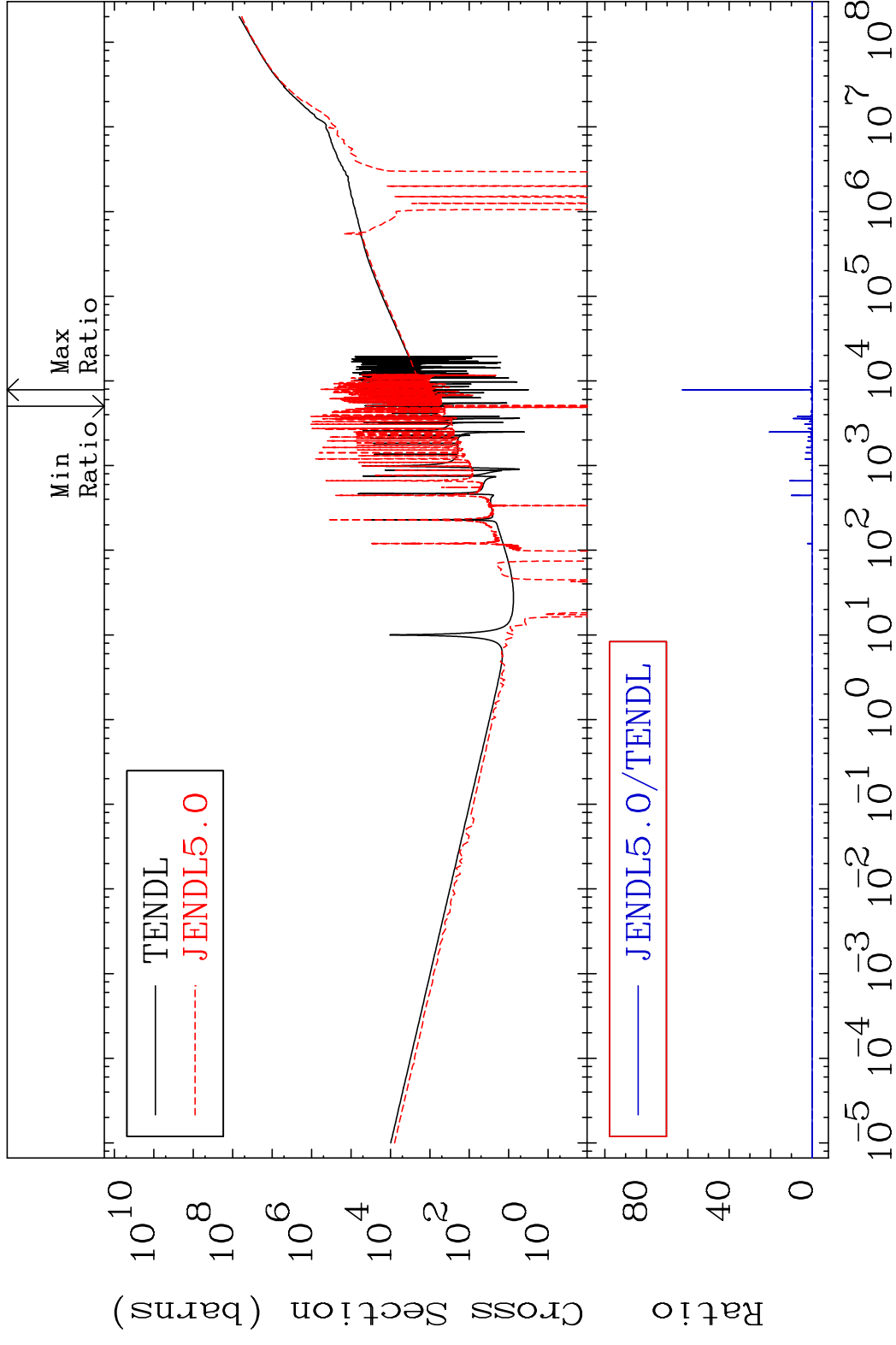
He-4 Production

44-Ru-100

Cross Section -100.0 To 204.7 %

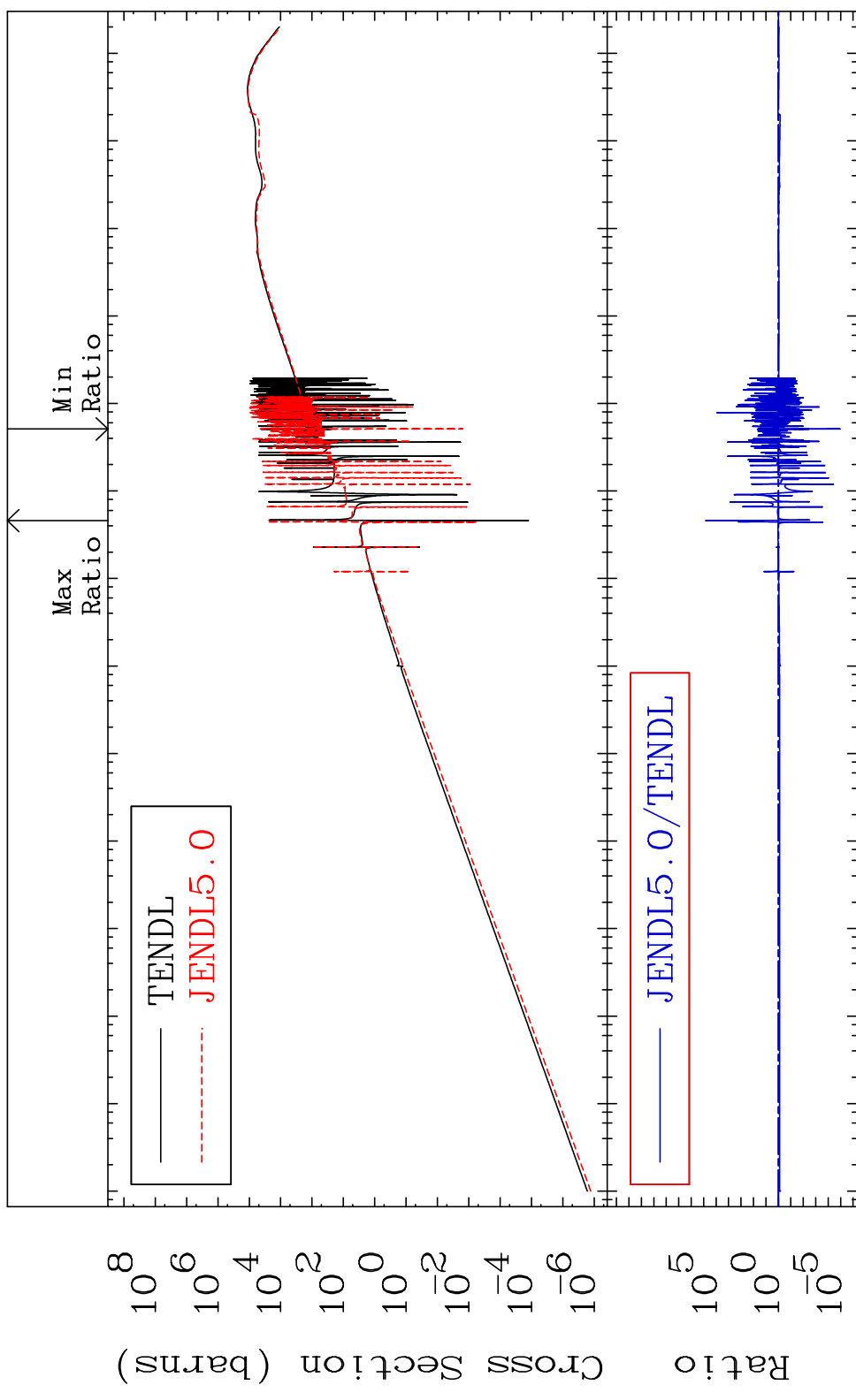


MAT 4437 Kerma total (eV-barns) 44-Ru-100
 Cross Section -9999. To 9999. %

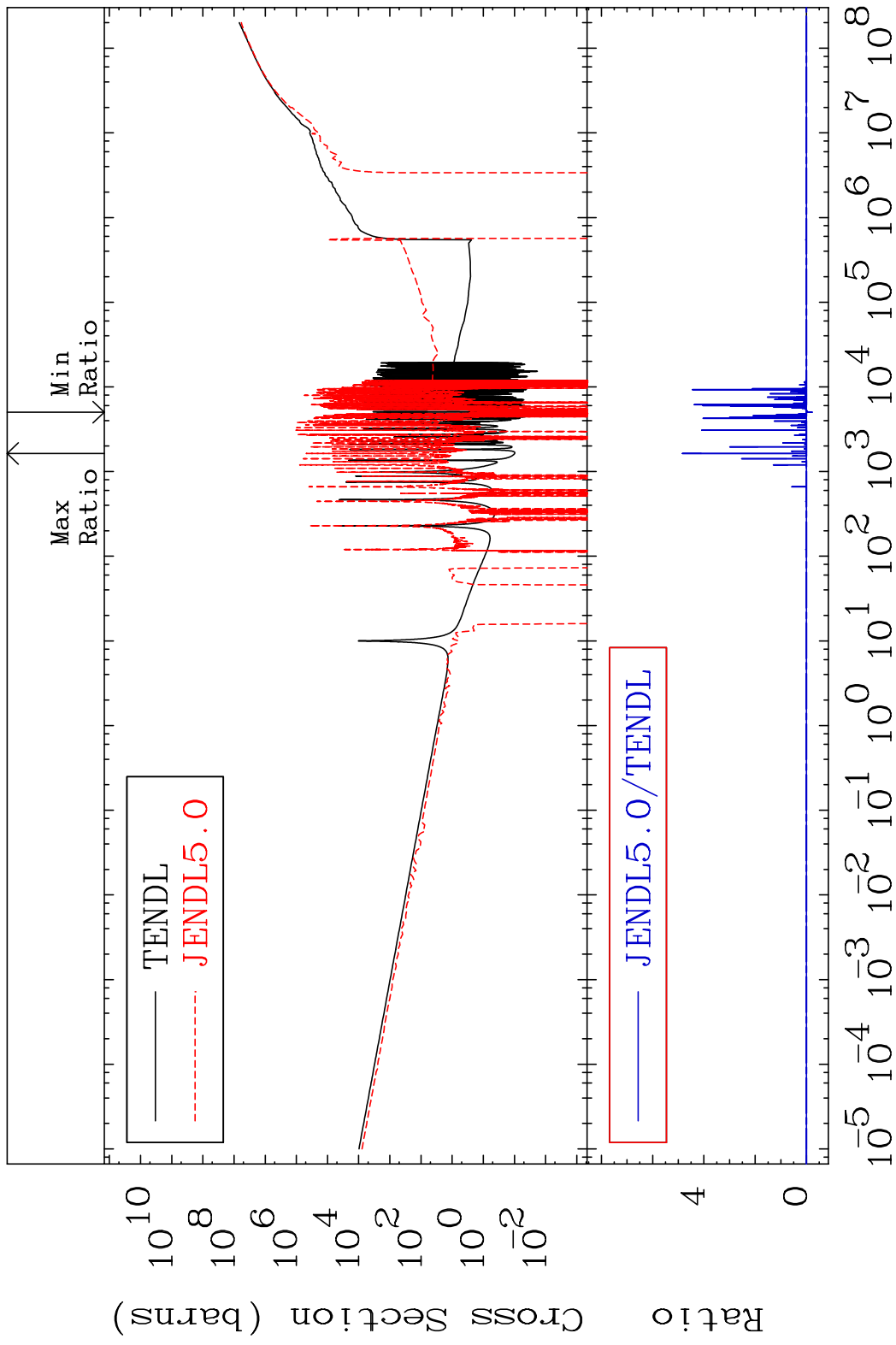


MAT 4437

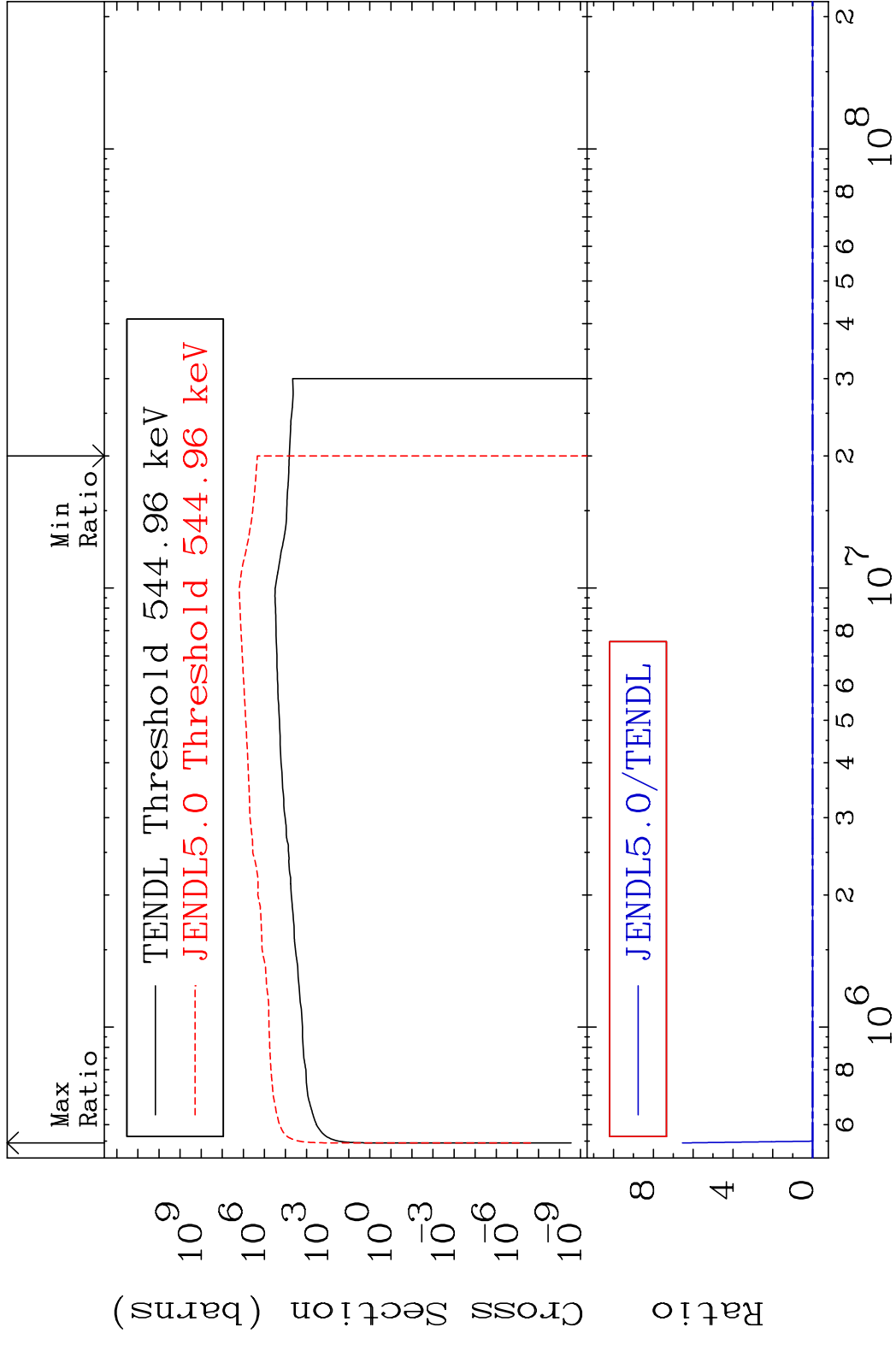
Kerma elastic Cross Section -100.0 To 9999. %
44-Ru-100



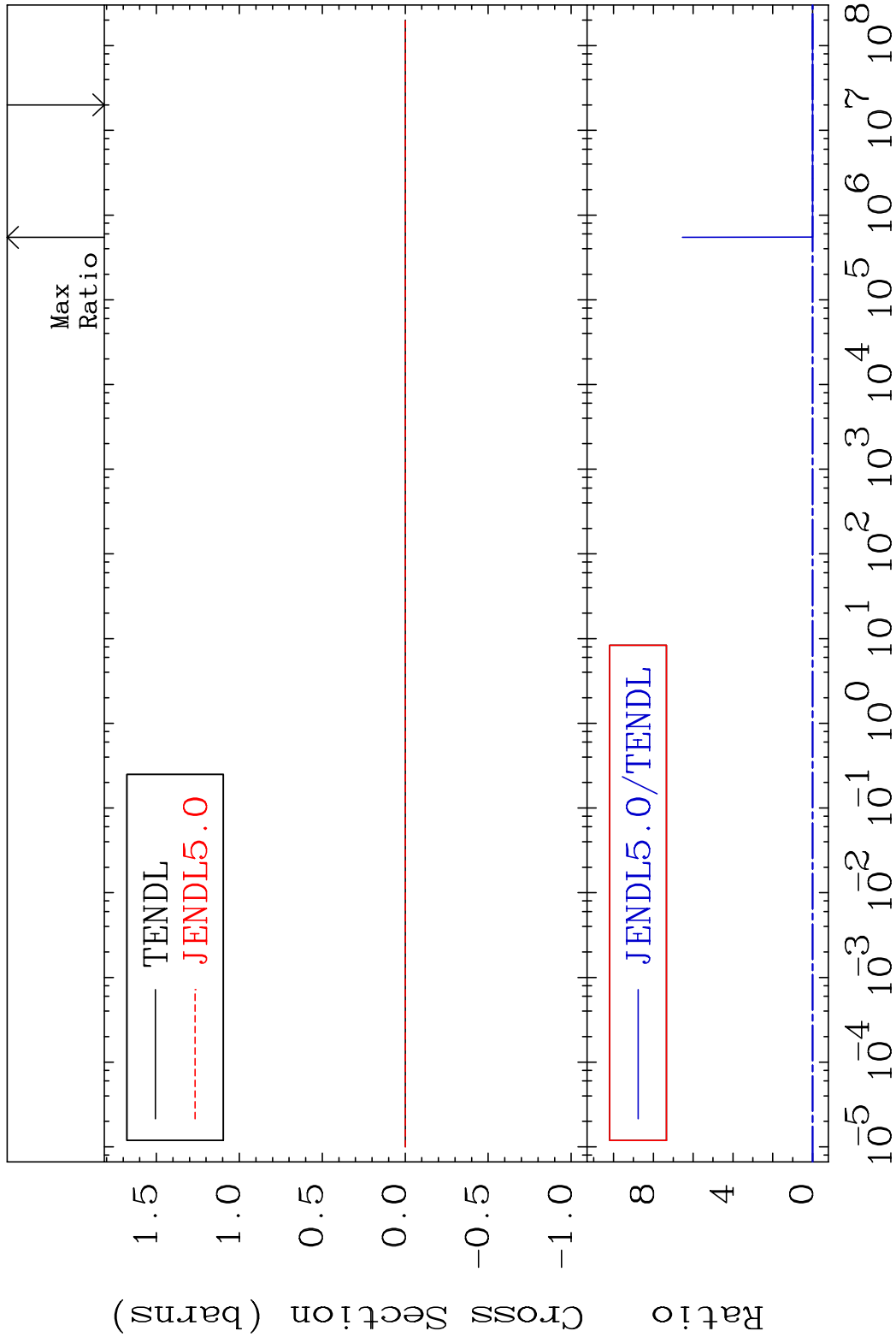
MAT 4437 Kerma non-elastic (all but mt2) 44-Ru-100
 Cross Section -9999. To 9999. %



MAT 4437 Kerma inelastic (mt51-91) 44-Ru-100
 Cross Section -100.0 To 9999. %

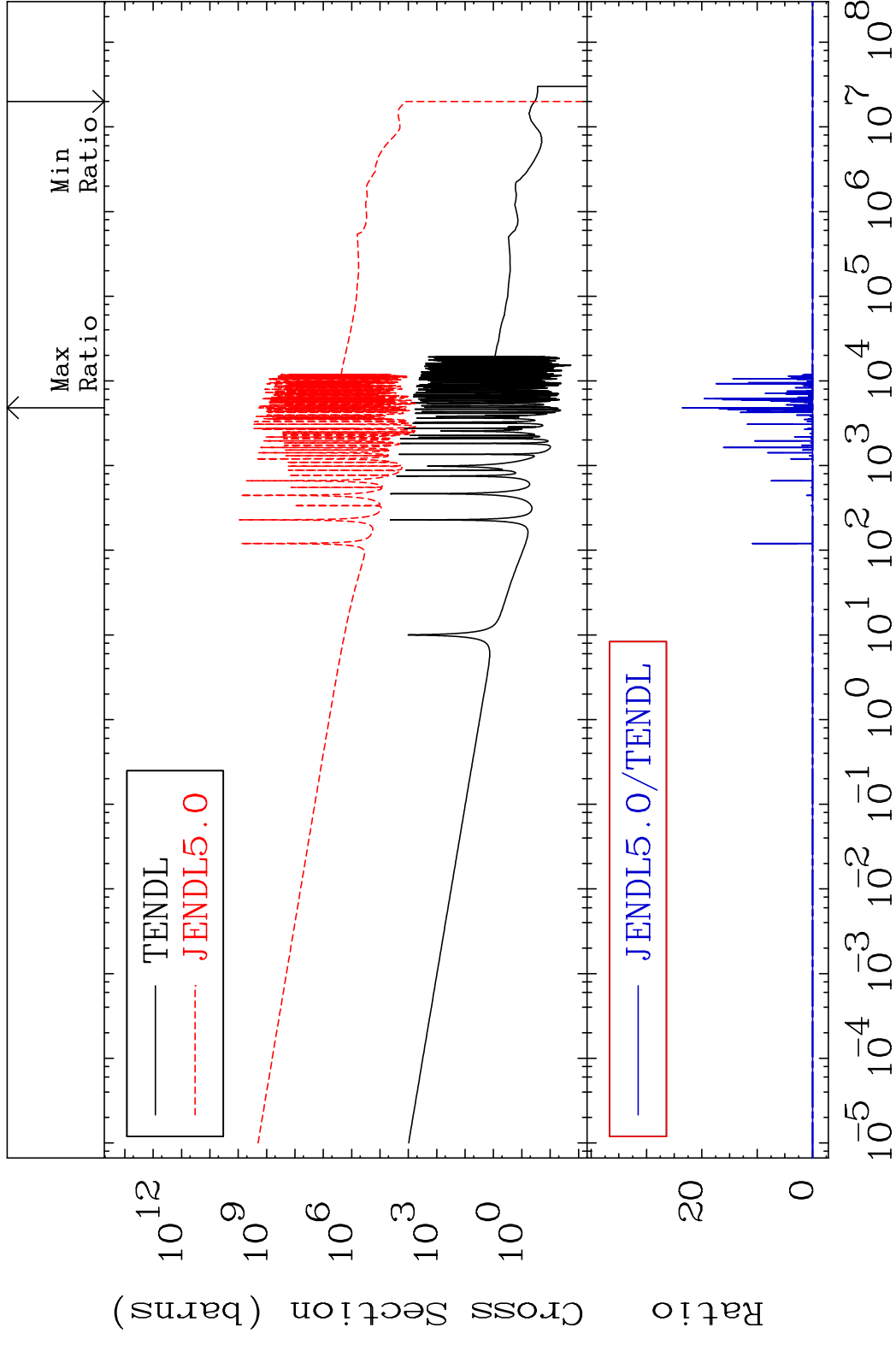


MAT 4437 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-100
 Cross Section -100.0 To 9999. %



MAT 4437

Kerma capture (mt102) 44-Ru-100
Cross Section -100.0 To 9999. %

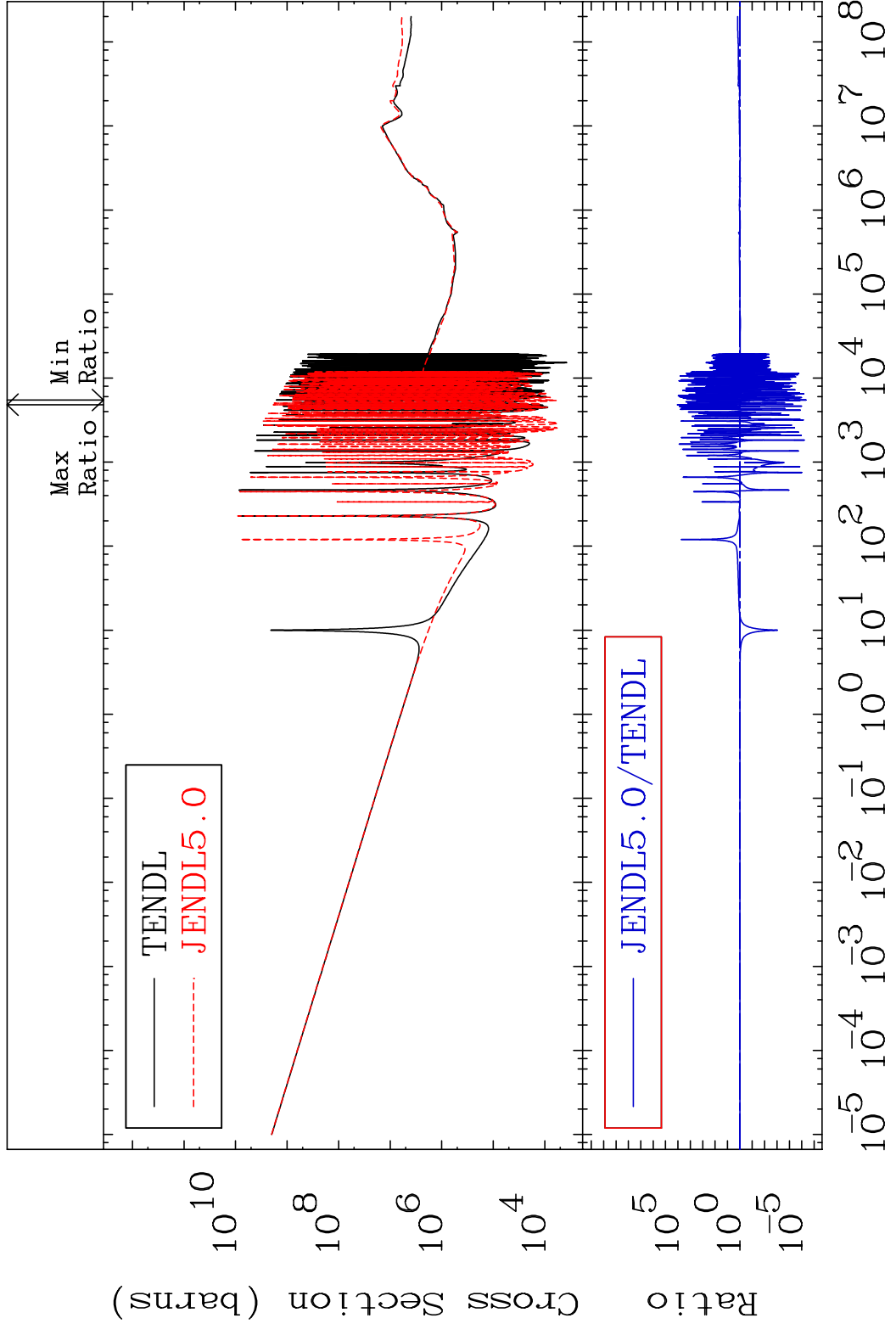


57

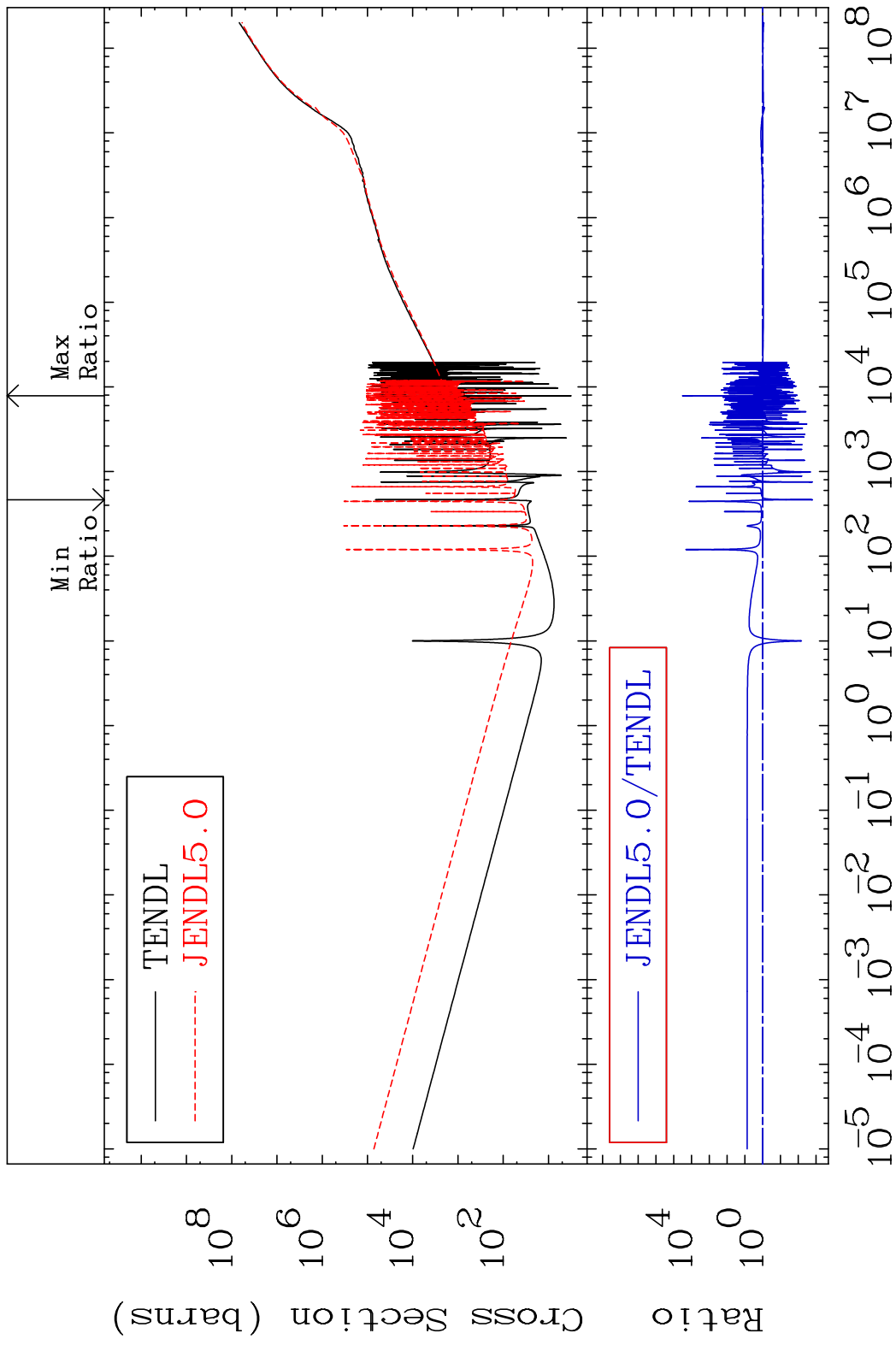
Incident Energy (eV) 44-Ru-100

MAT 4437

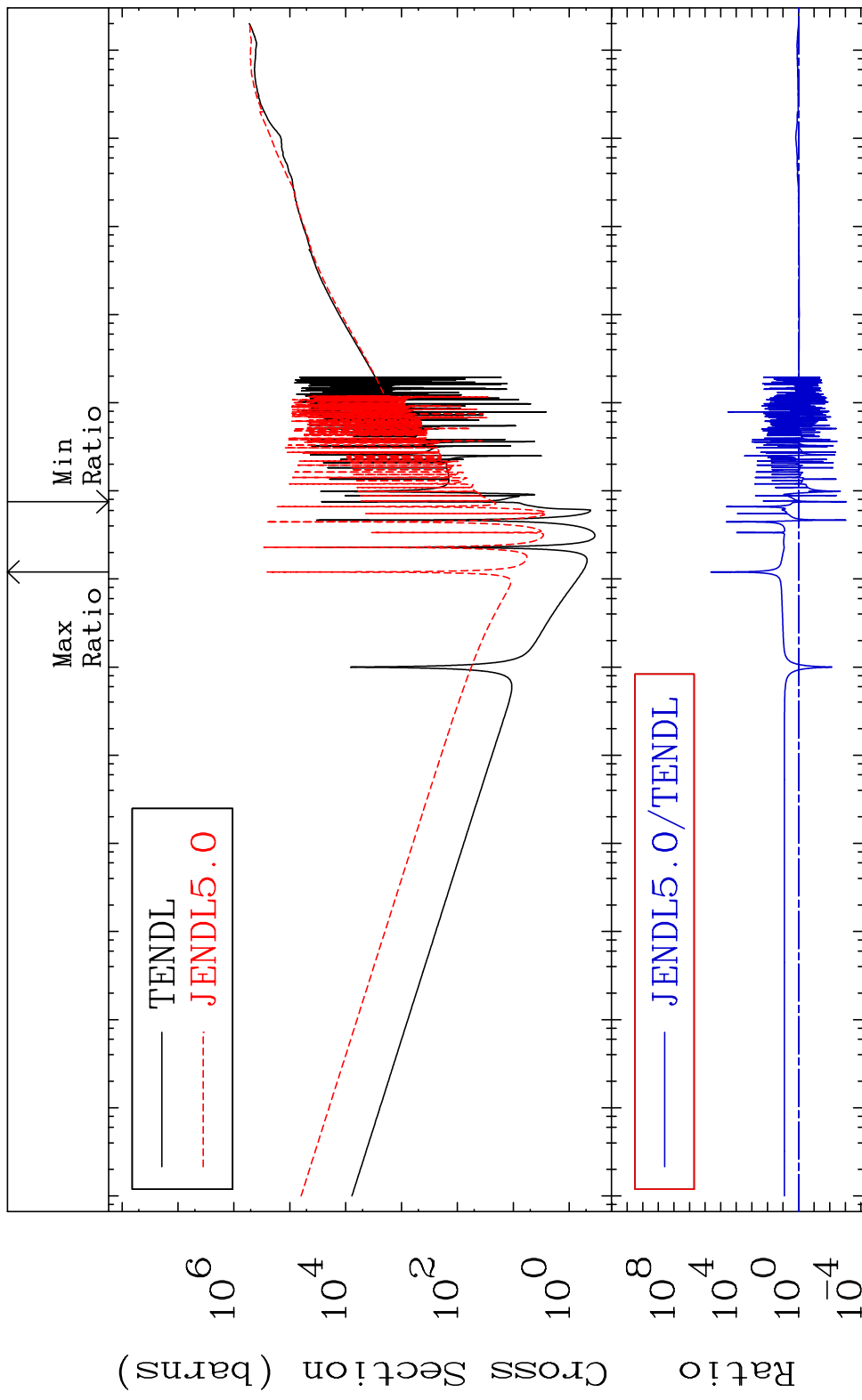
Total photon (eV-barns) 44-Ru-100
Cross Section -100.0 To 9999. %



MAT 4437 Total kinematic kerma (high limit) 44-Ru-100
Cross Section -99.84 To 9999. %



MAT 4437 Dpa total (eV-barns) 44-Ru-100
 Cross Section -99.91 To 9999. %



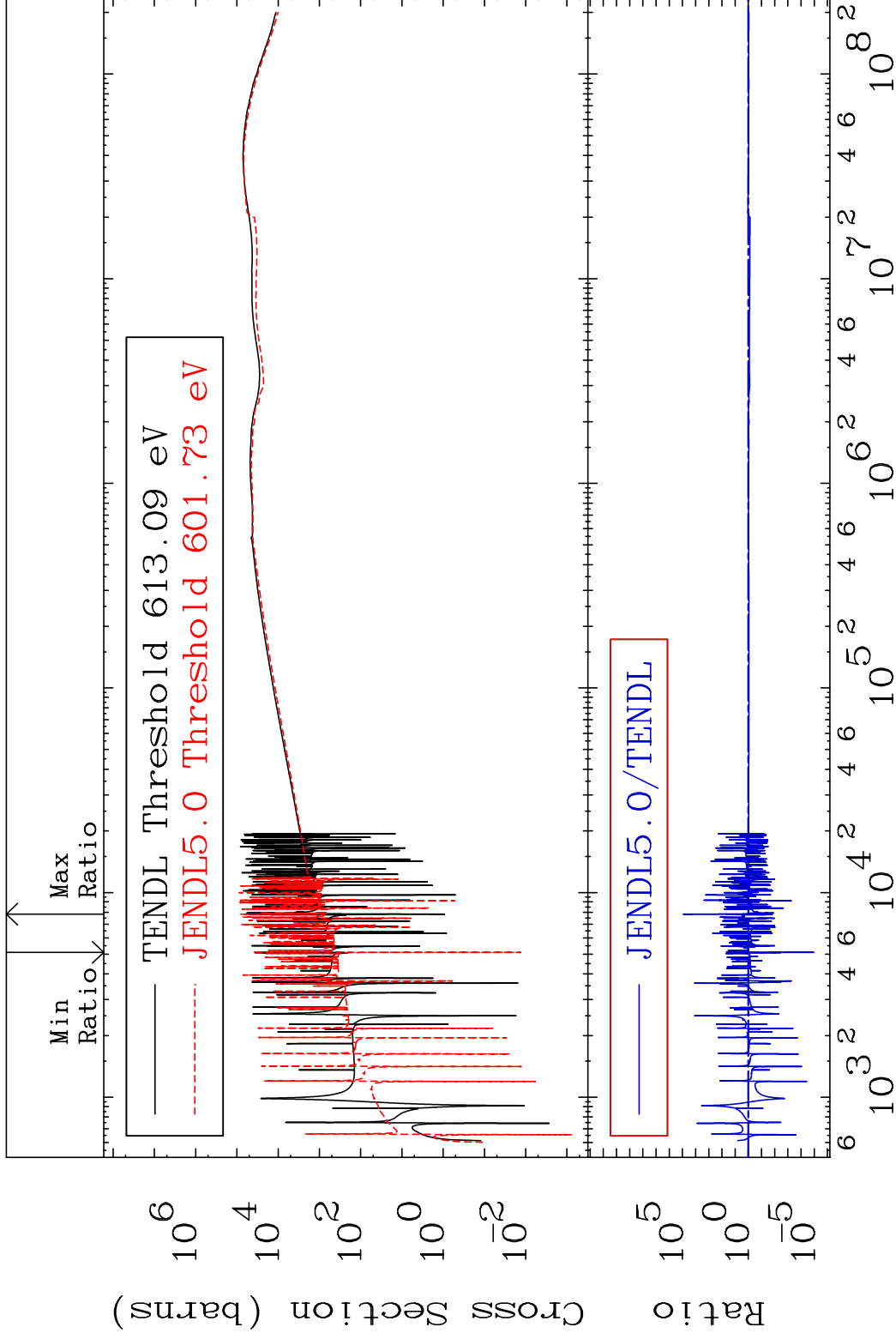
60 Incident Energy (eV) 44-Ru-100

MAT 4437

Dpa elastic (mt2)

44-Ru-100

Cross Section -100.0 To 9999. %

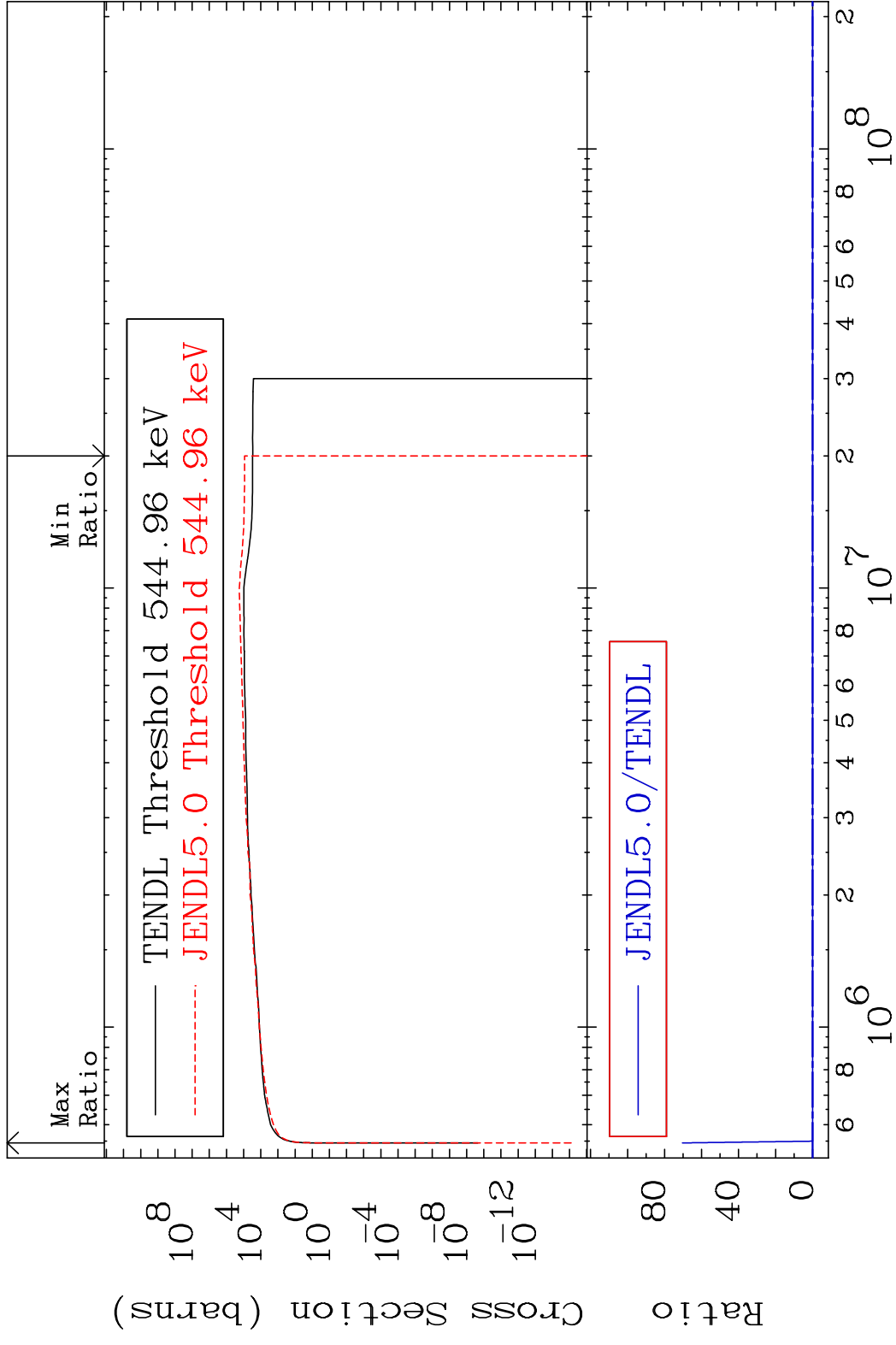


61

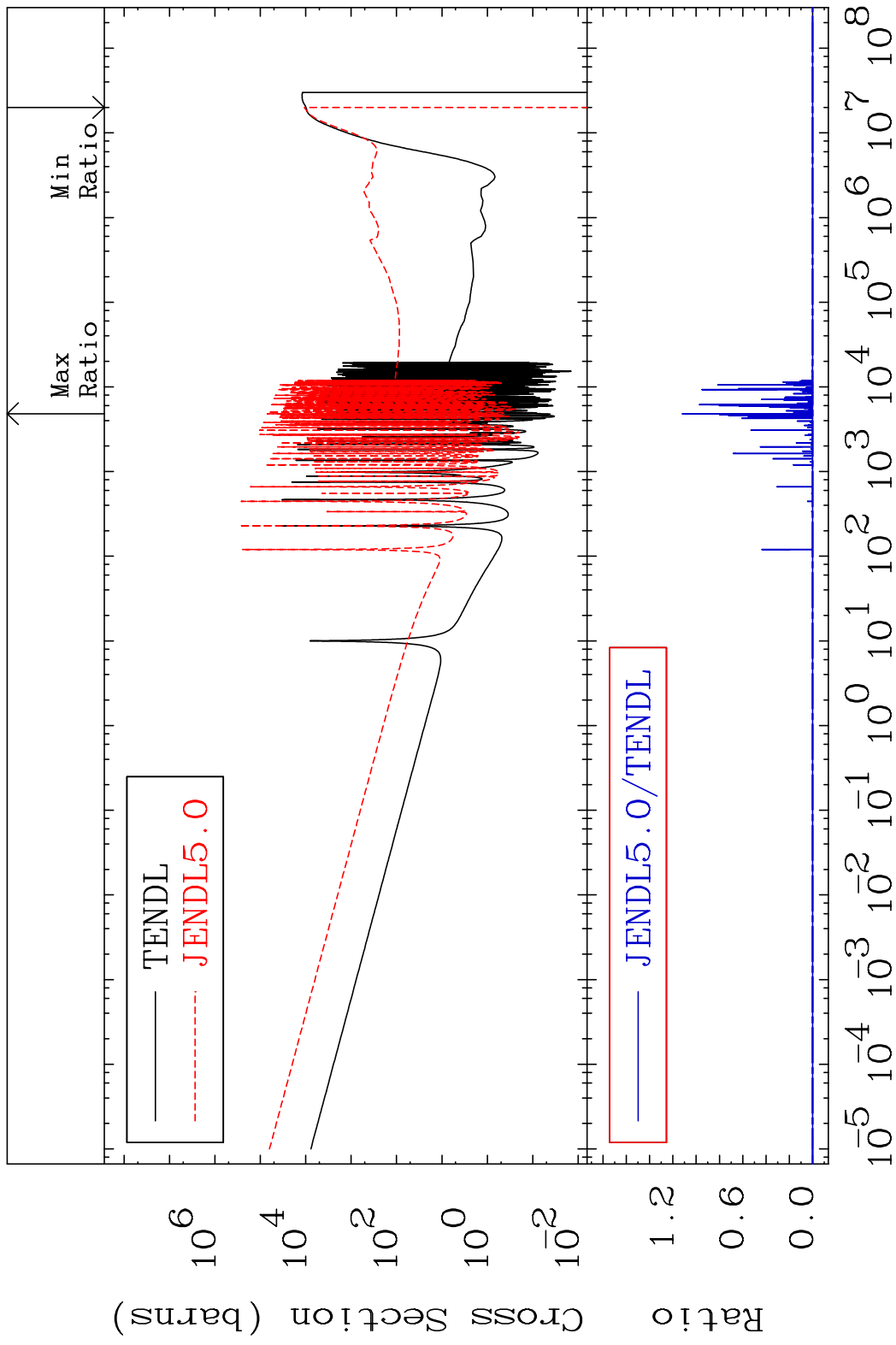
Incident Energy (eV)

44-Ru-100

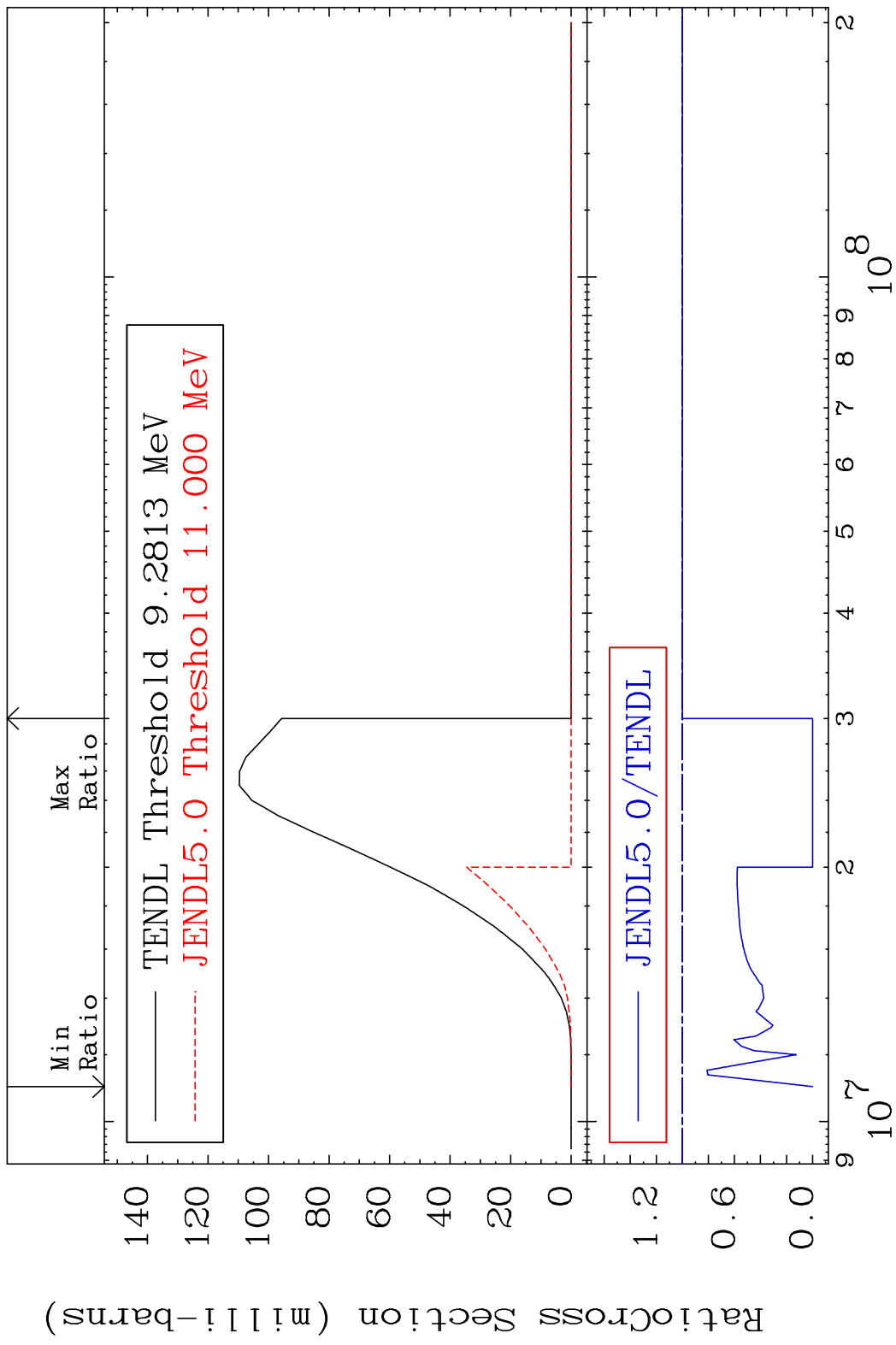
MAT 4437 Dpa inelastic (mt51-91) 44-Ru-100
 Cross Section -100.0 To 9999. %



MAT 4437 Dpa disappearance (mt102 -120) 44-Ru-100
 Cross Section -100.0 To 9999. %

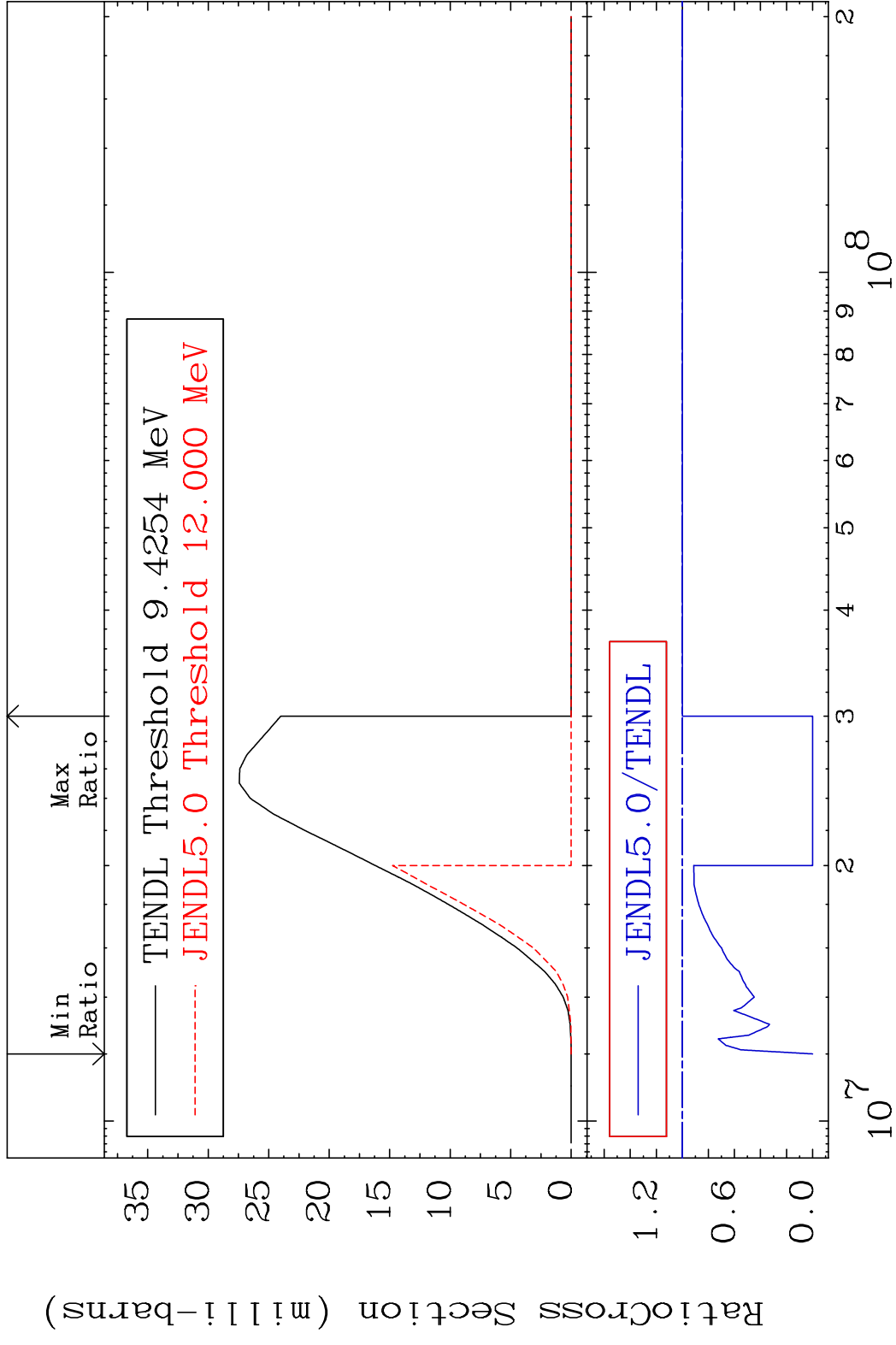


MAT 4437 (n, n') p:43-Tc-99g 44-Ru-100
 Radionuclide Production Cross Section 100.000 %
 0.000 %

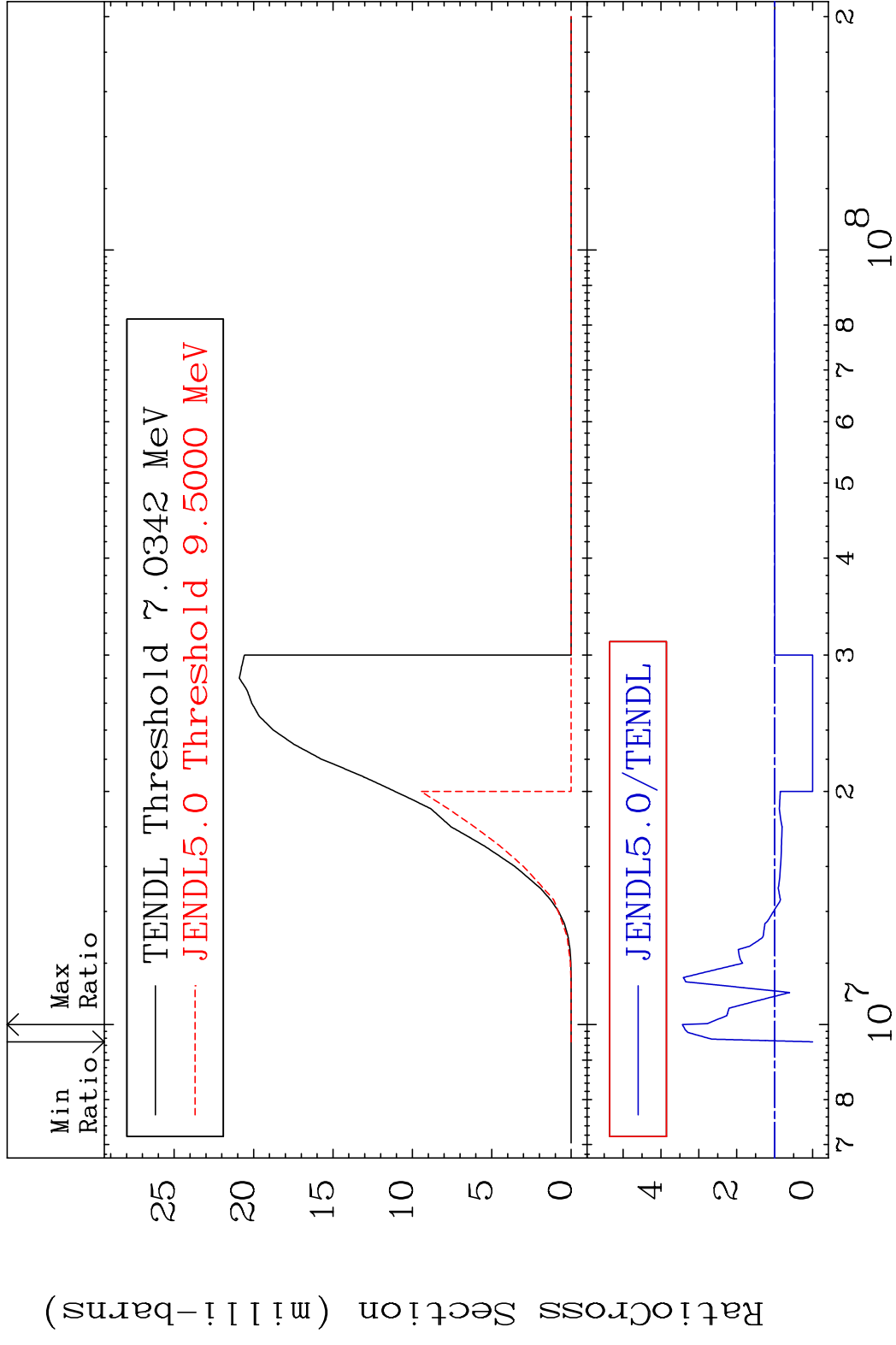


64 Incident Energy (eV) 44-Ru-100

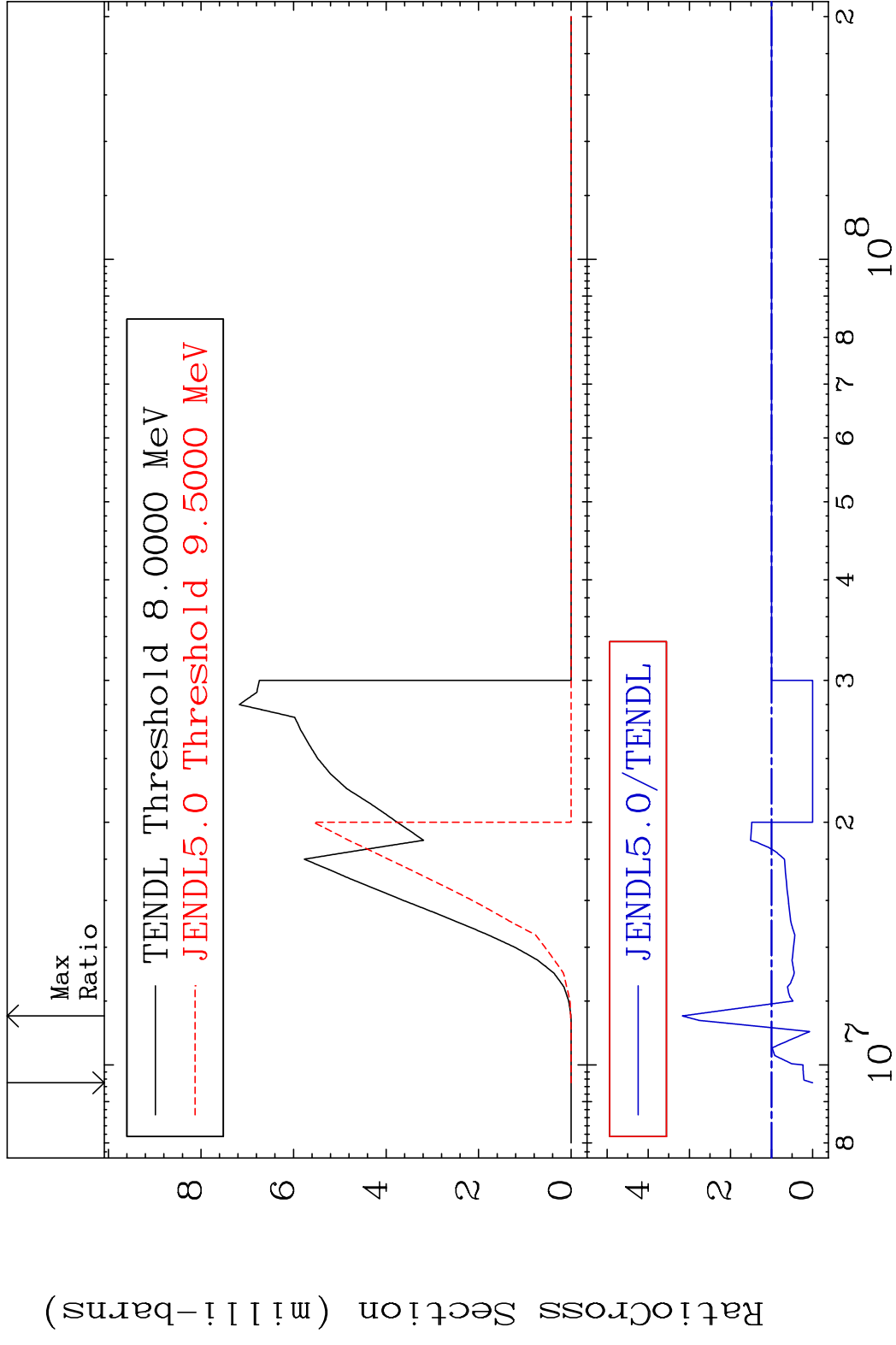
MAT 4437 (n, n') p:43-Tc-99m2 44-Ru-100
 Radionuclide Production Cross Section 180.0 dth 0.000 %



MAT 4437 (n,d):43-Tc-99g 44-Ru-100
 Radionuclide Production Cross Section 180.01 dth 243.5 %



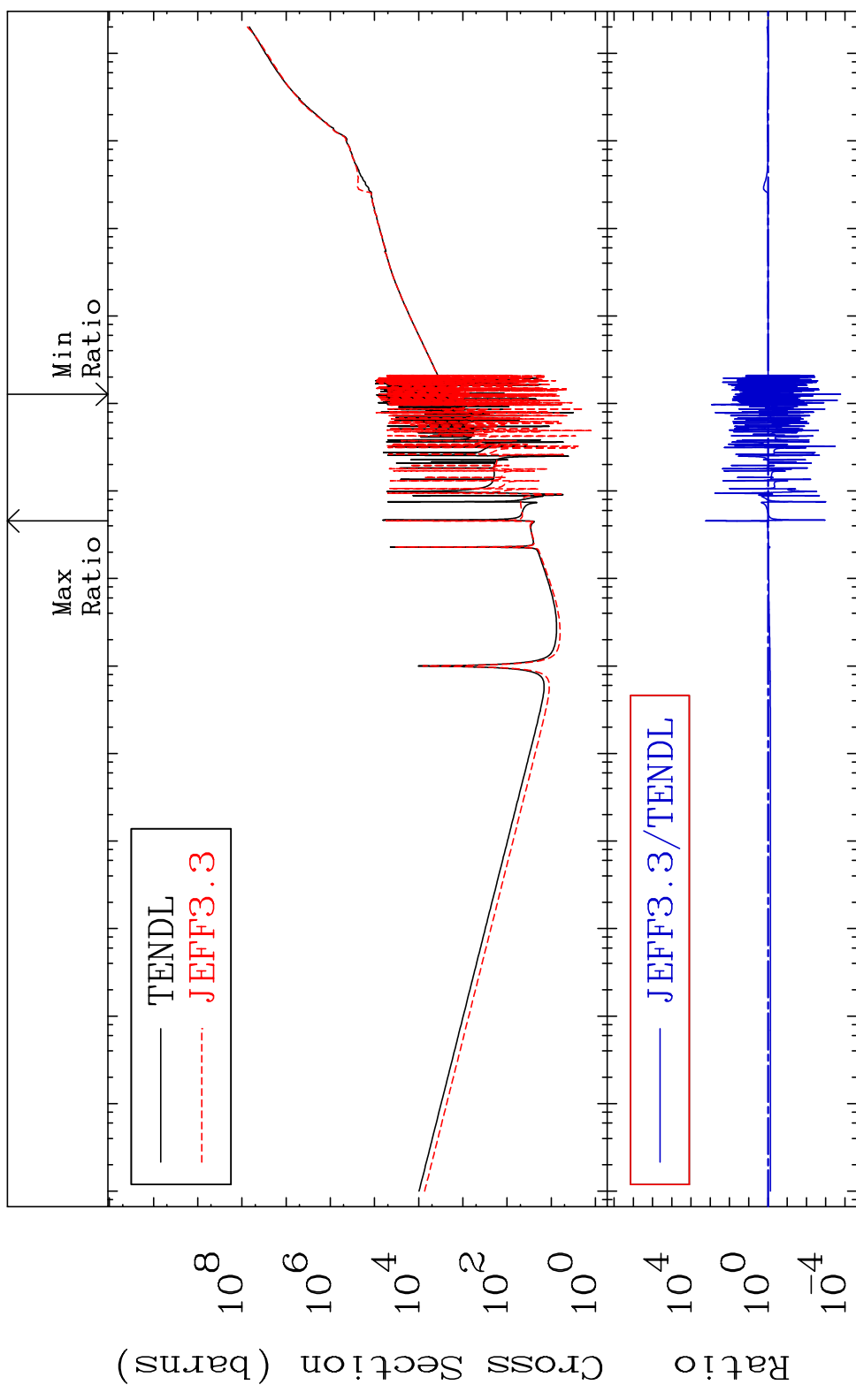
MAT 4437 (n,d):43-Tc-99m2 44-Ru-100
 Radionuclide Production Cross Section 180.0 mb 217.0 %



MAT 4437

Kerma total (eV-barns) 44-Ru-100

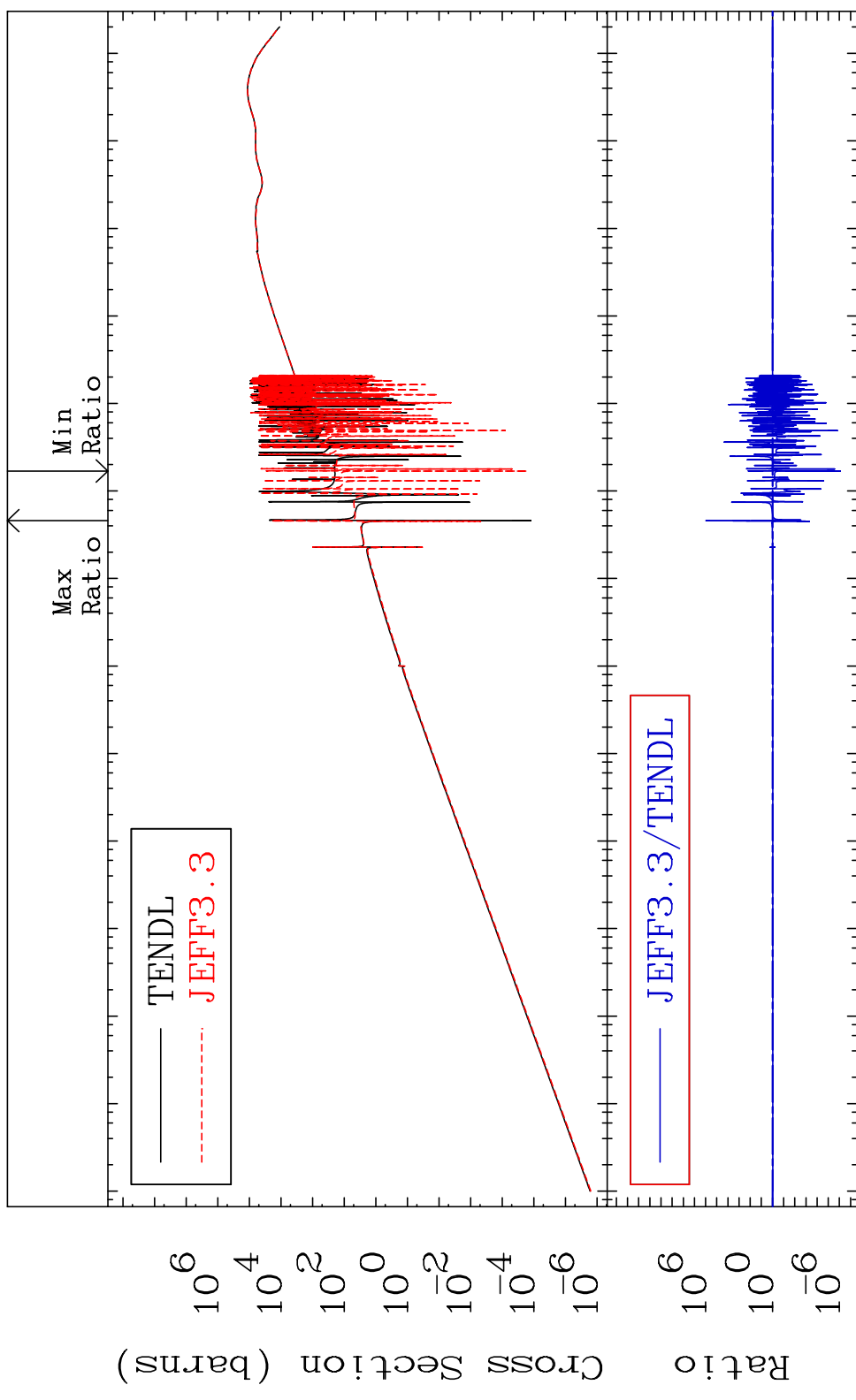
Cross Section -99.98 To 9999. %



Incident Energy (eV) 44-Ru-100

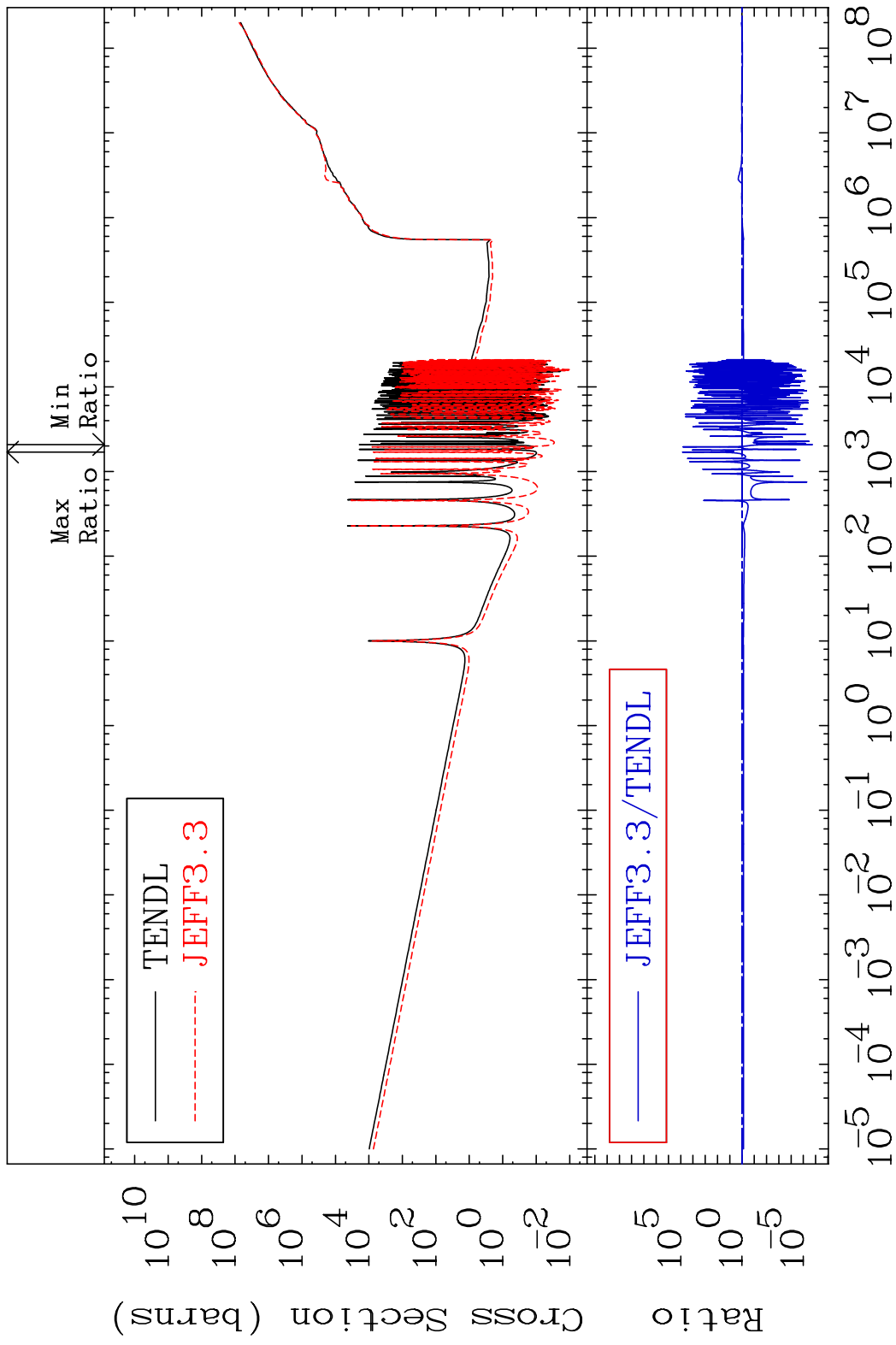
MAT 4437

Kerma elastic Cross Section -100.0 To 9999. %
44-Ru-100



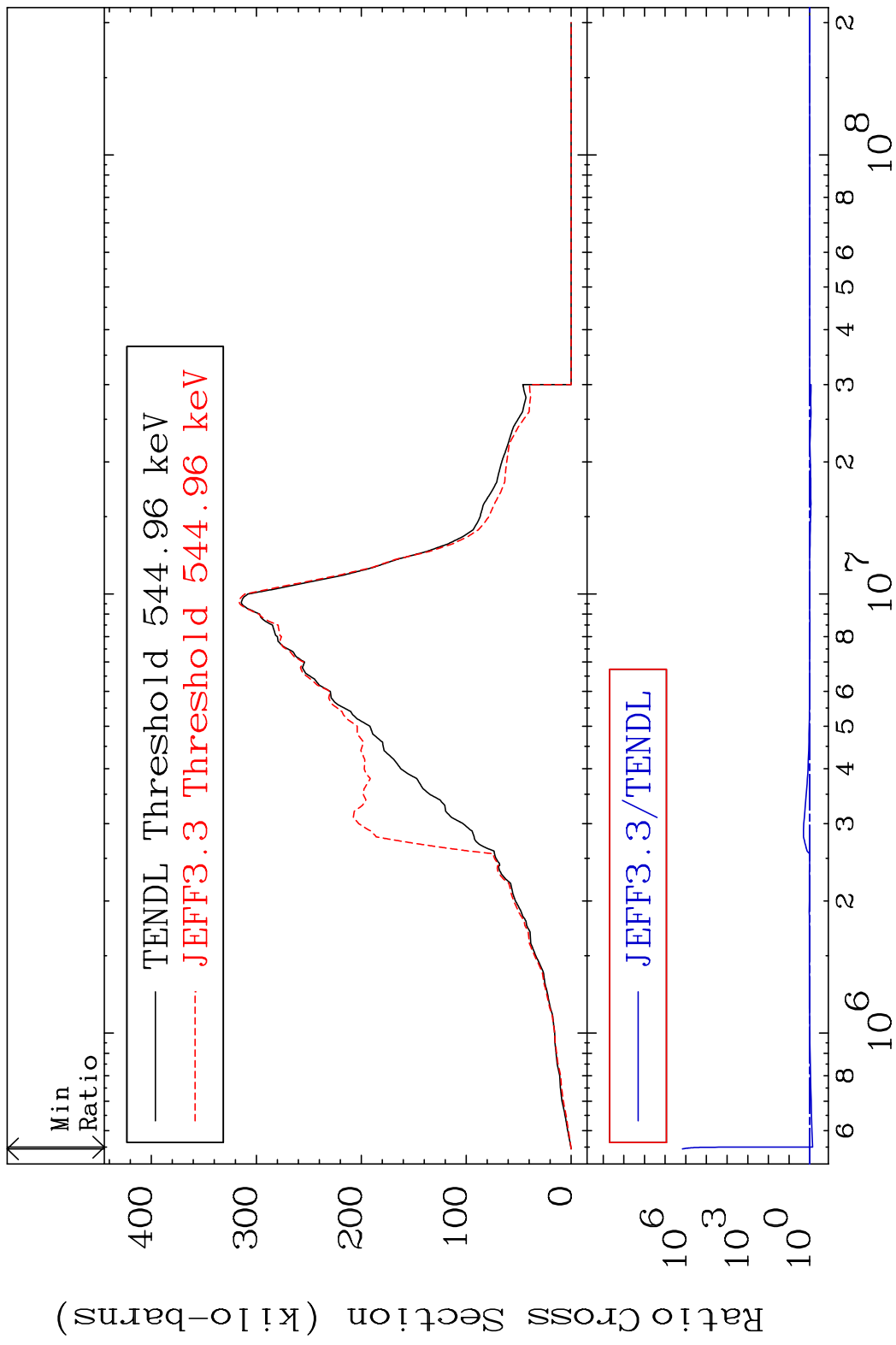
Incident Energy (eV) 44-Ru-100

MAT 4437 Kerma non-elastic (all but mt2) 44-Ru-100
 Cross Section -100.0 To 9999. %

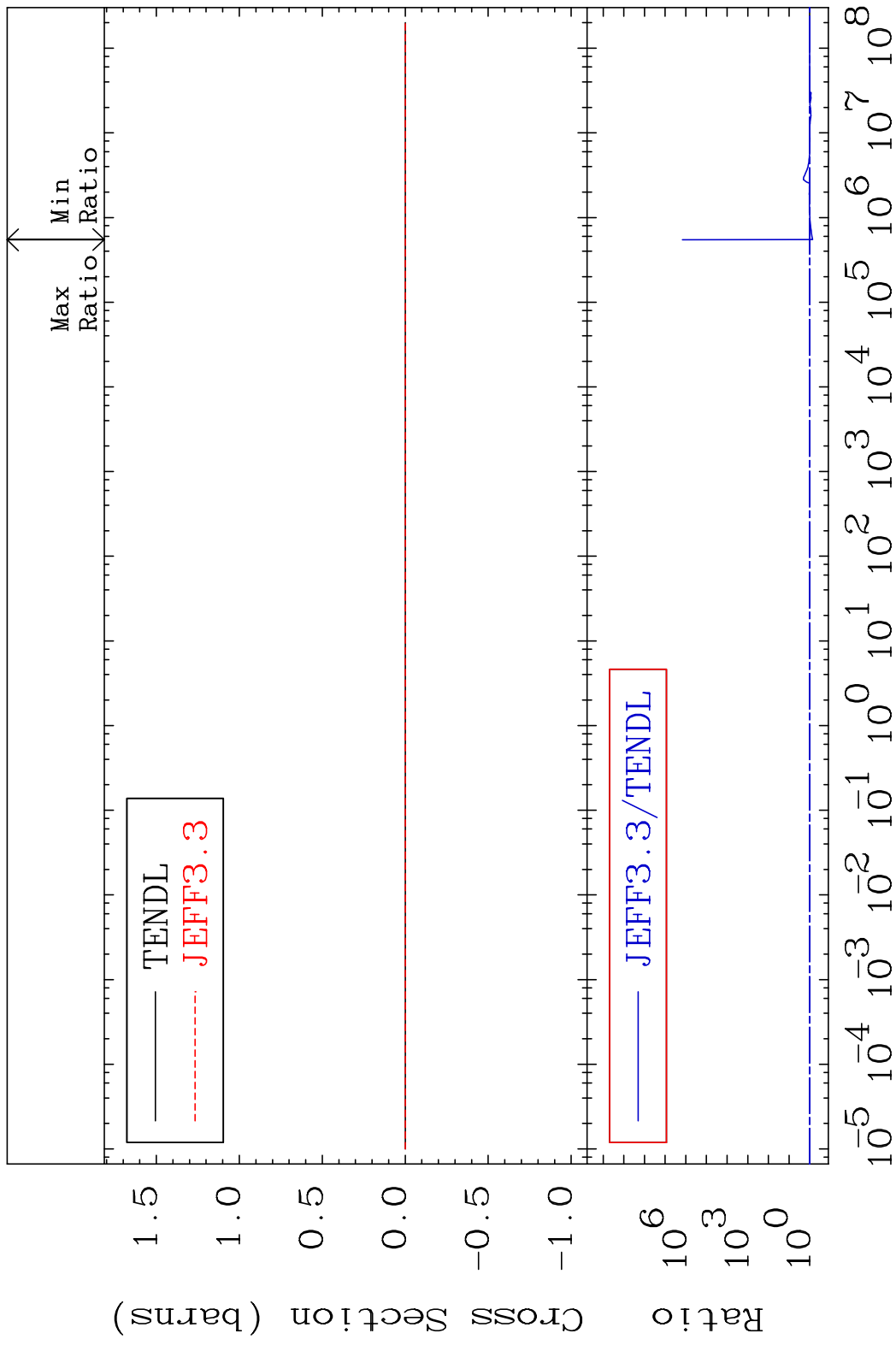


70 Incident Energy (eV) 44-Ru-100

MAT 4437 Kerma inelastic (mt51-91) 44-Ru-100
 Cross Section -26.96 To 9999. %

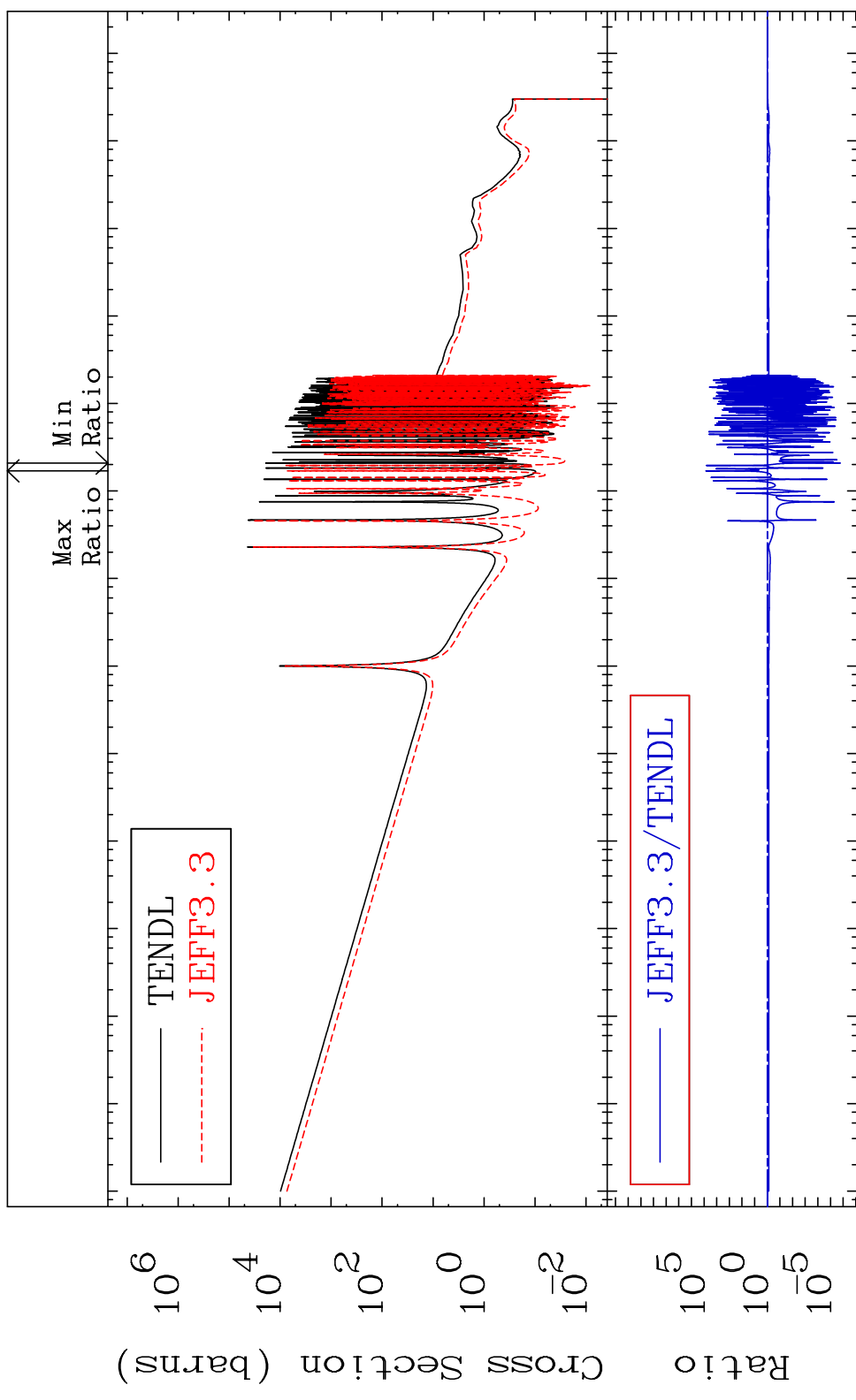


MAT 4437 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-100
 Cross Section -26.96 To 9999. %



MAT 4437

Kerma capture (mt102) 44-Ru-100
Cross Section -100.0 To 9999. %

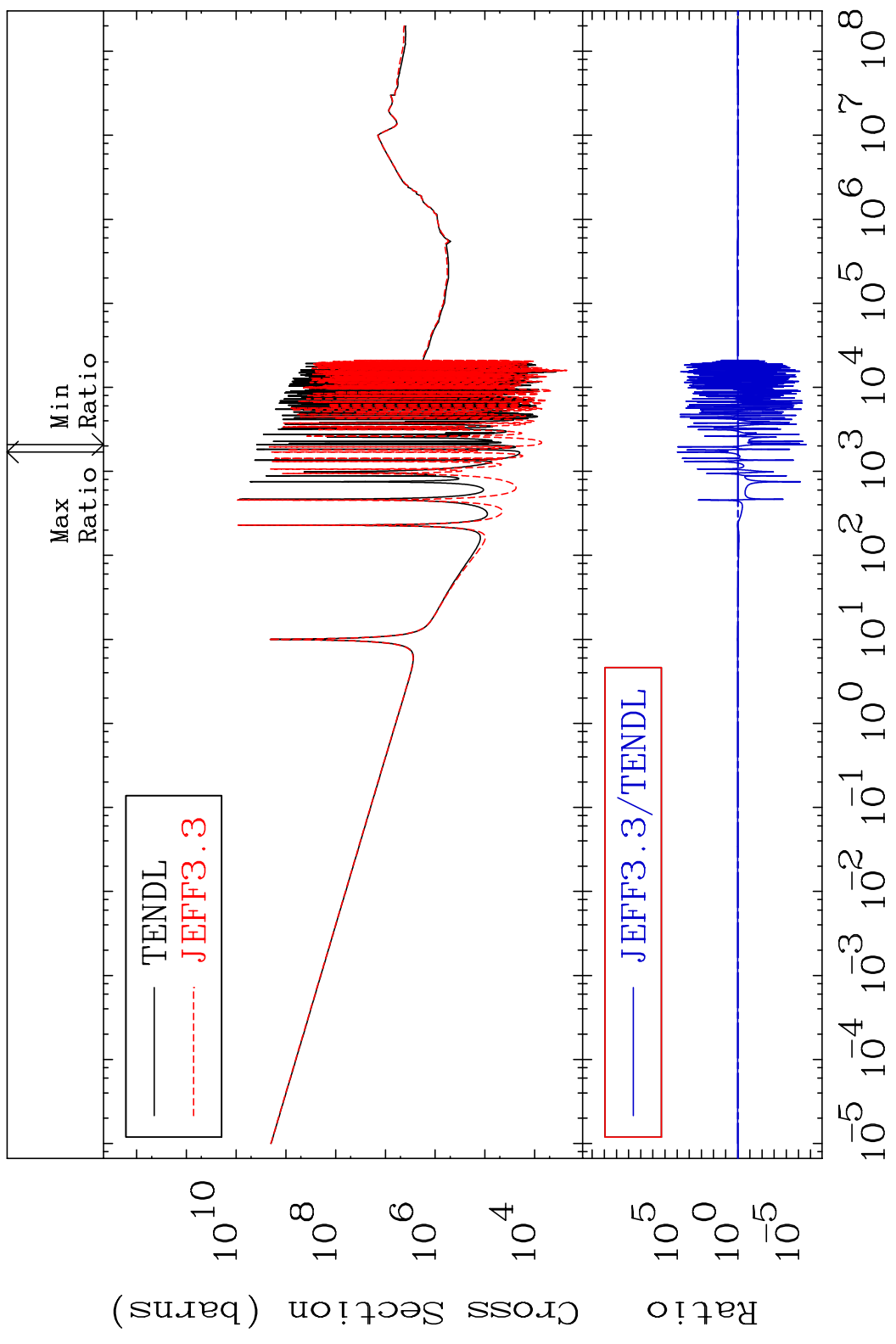


73

Incident Energy (eV) 44-Ru-100

MAT 4437

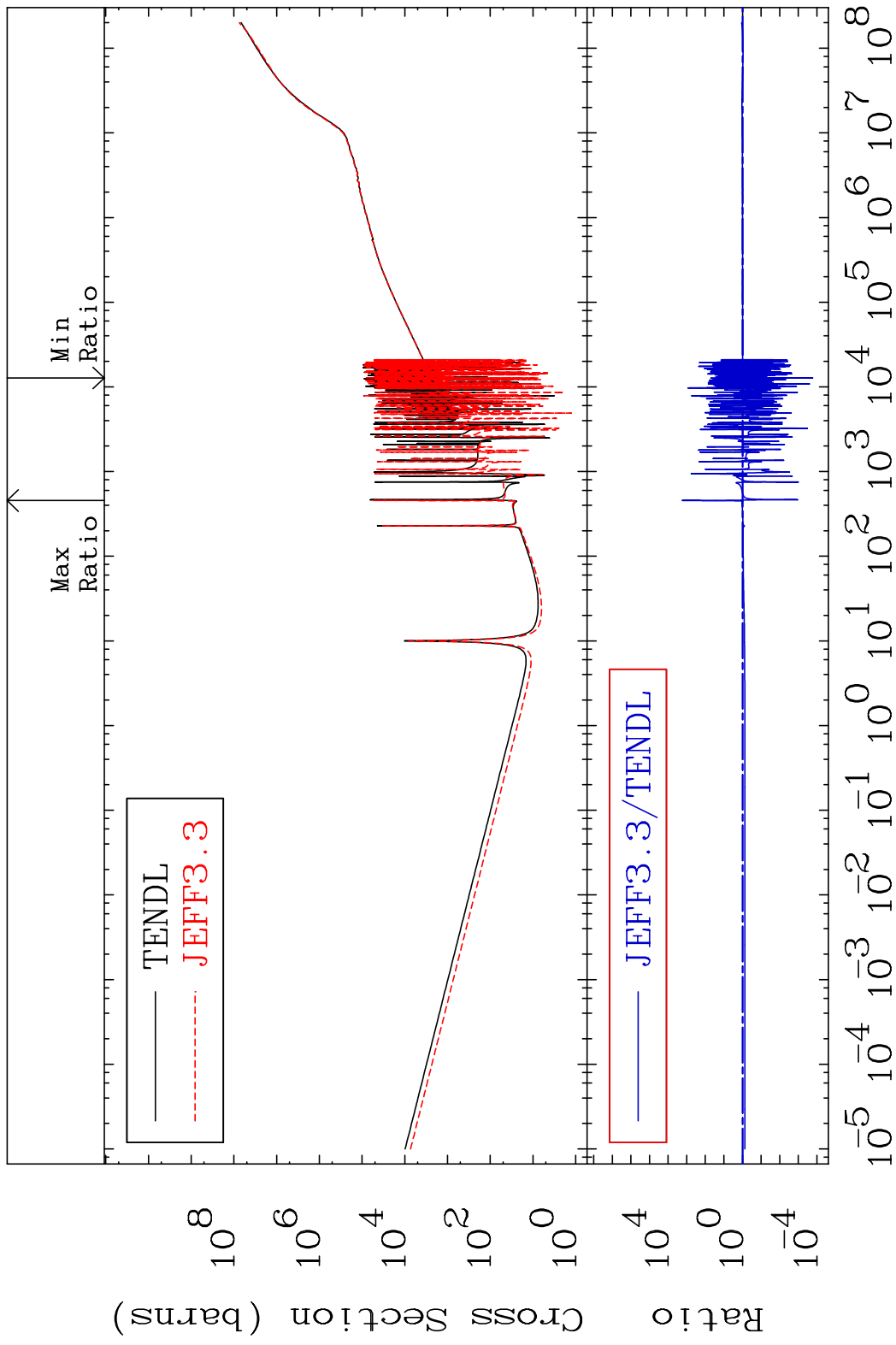
Total photon (eV-barns) 44-Ru-100
Cross Section -100.0 To 9999. %



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44-Ru-100

MAT 4437 Total kinematic kerma (high limit) 44-Ru-100
 Cross Section -99.98 To 9999. %

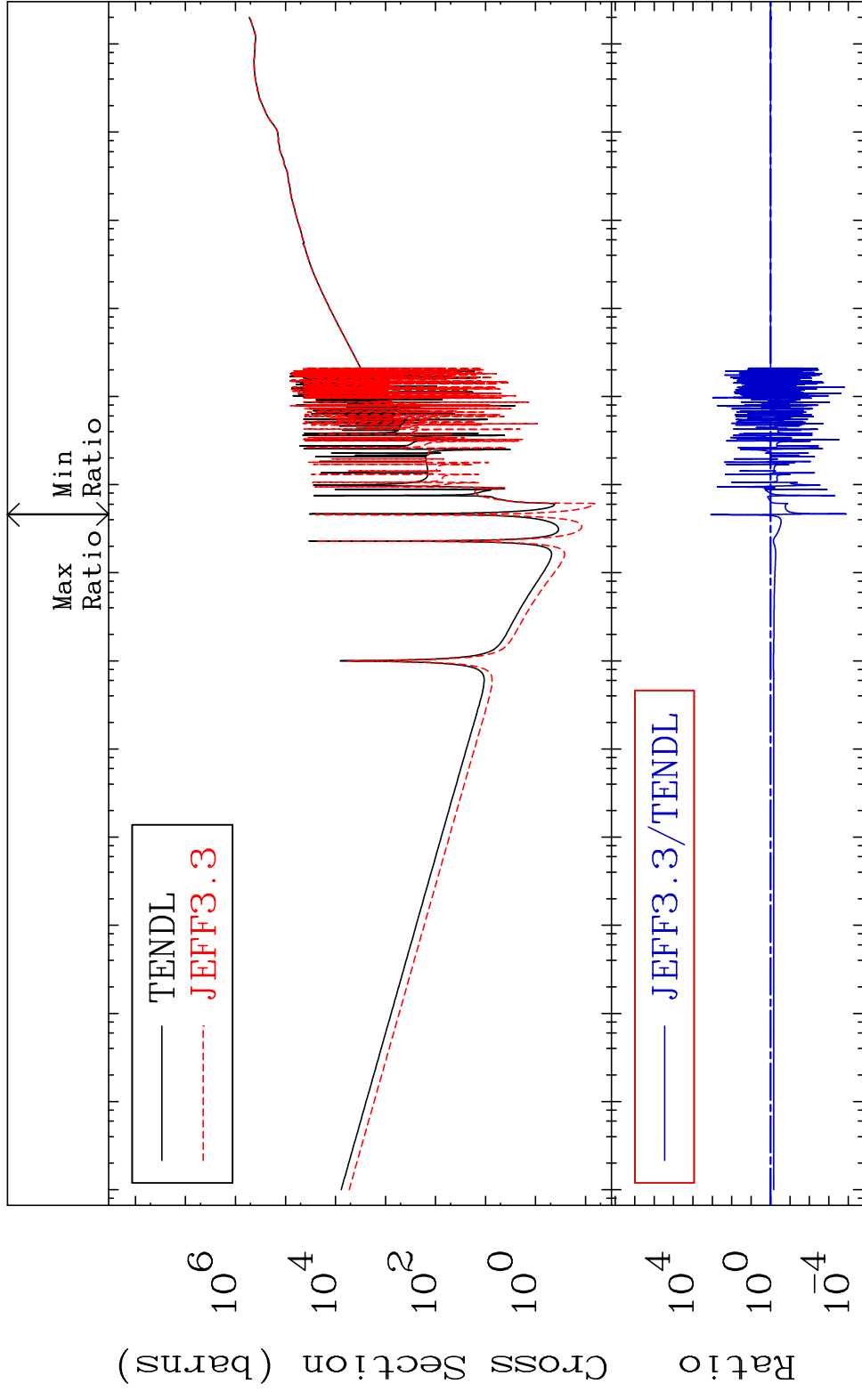


MAT 4437

Dpa total (eV-barns)

44-Ru-100

Cross Section -99.99 To 9999. %



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Incident Energy (eV)

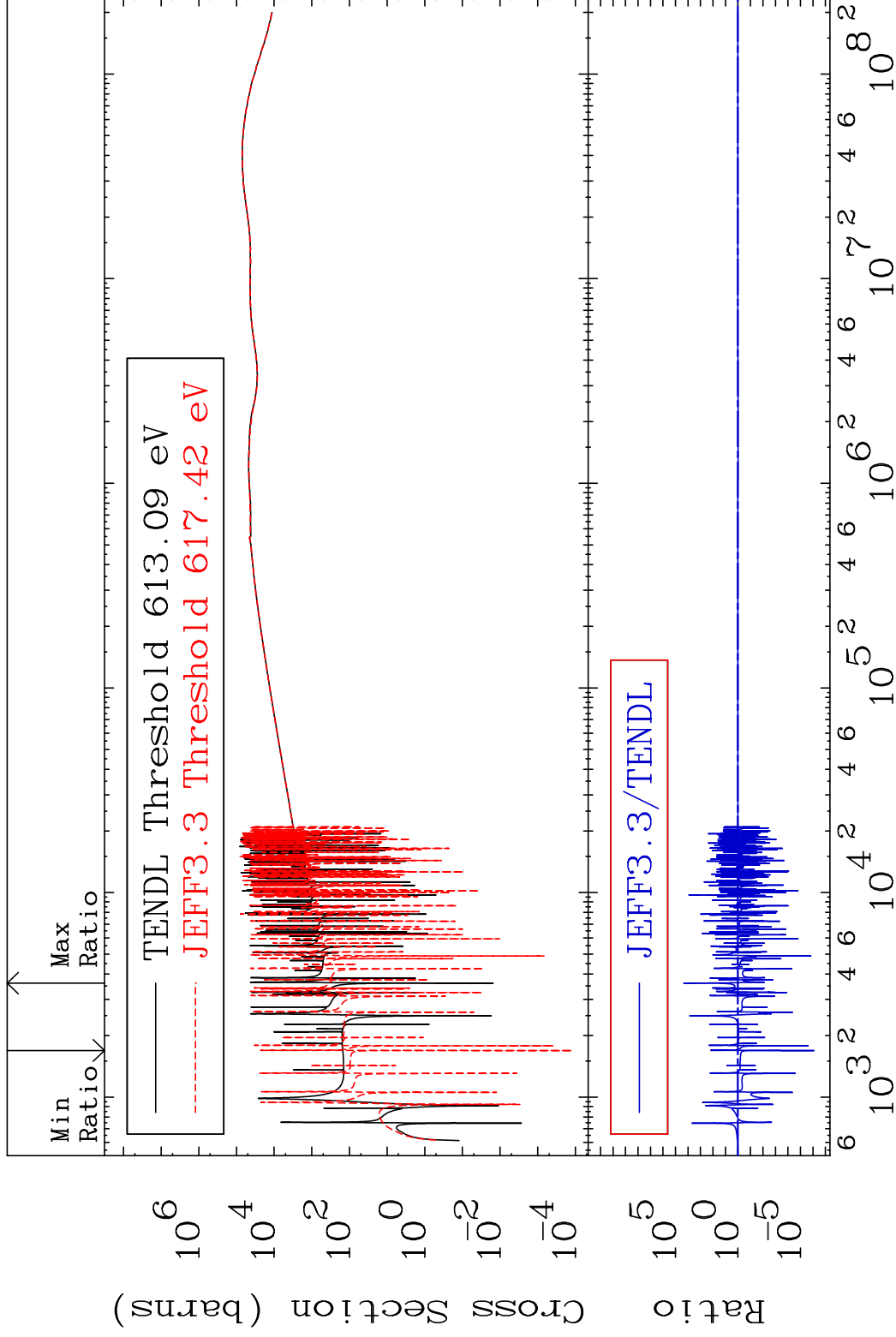
44-Ru-100

MAT 4437

Dpa elastic (mt2)

44-Ru-100

Cross Section -100.0 To 9999. %

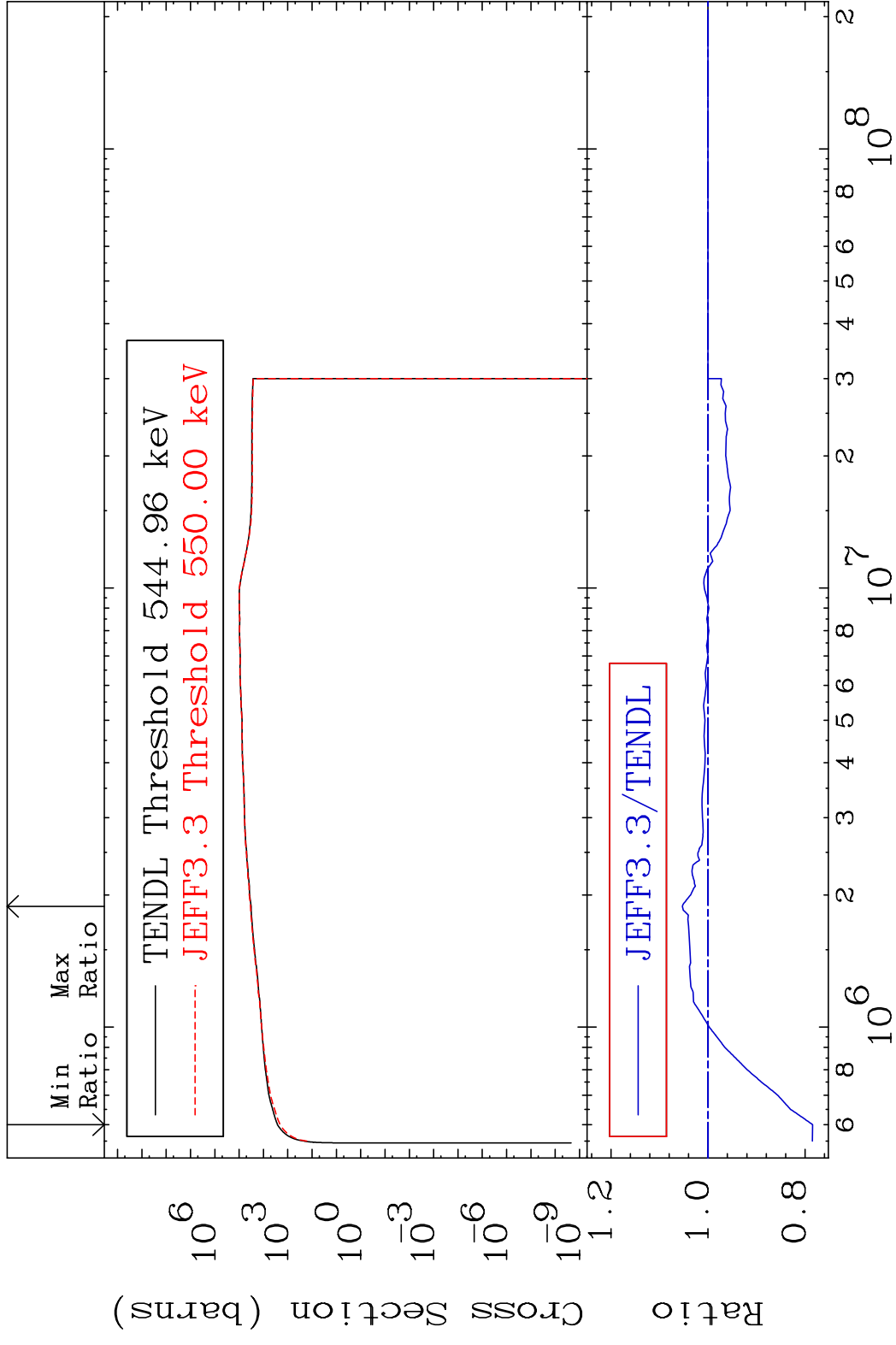


77

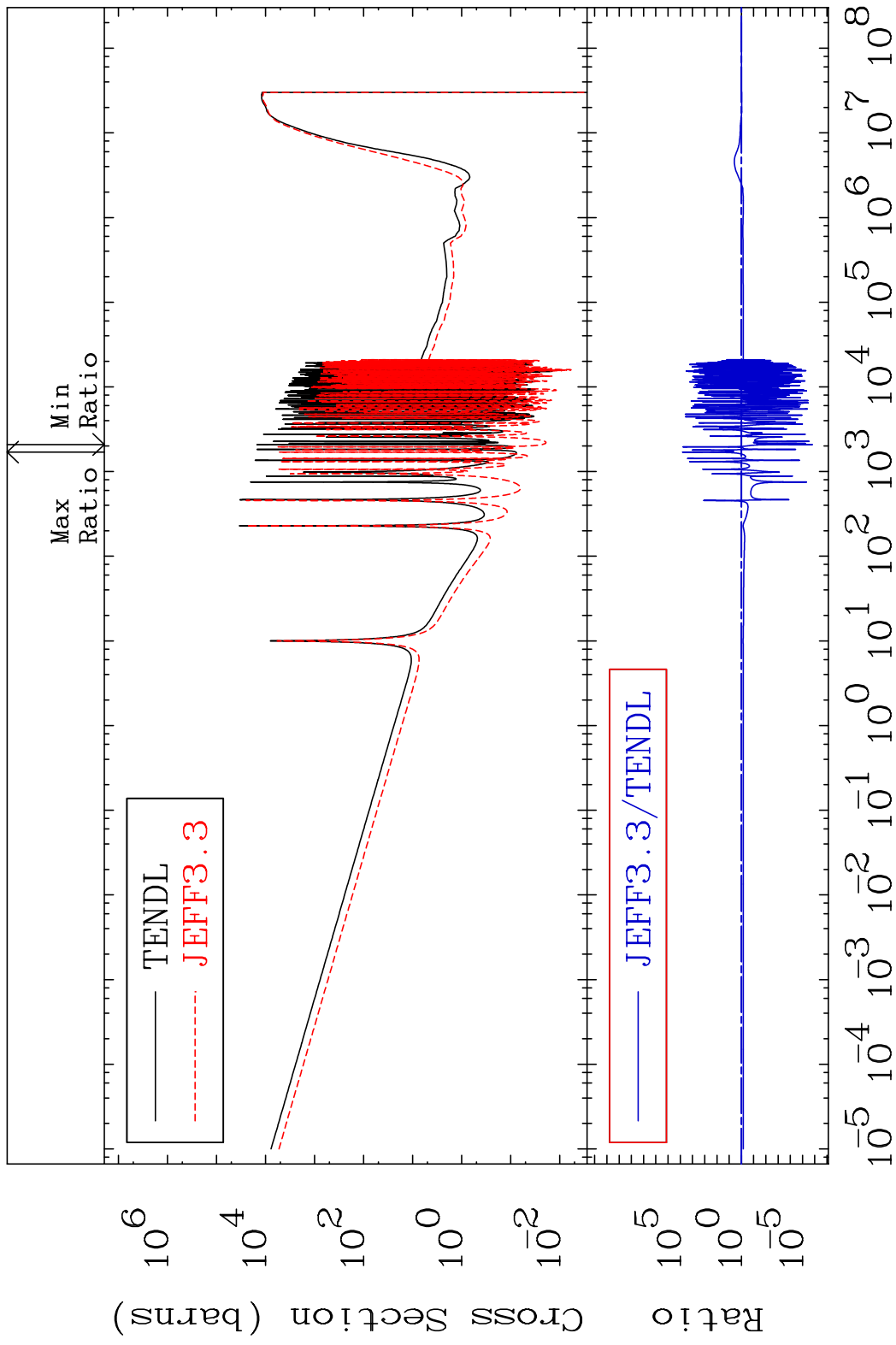
Incident Energy (eV)

44-Ru-100

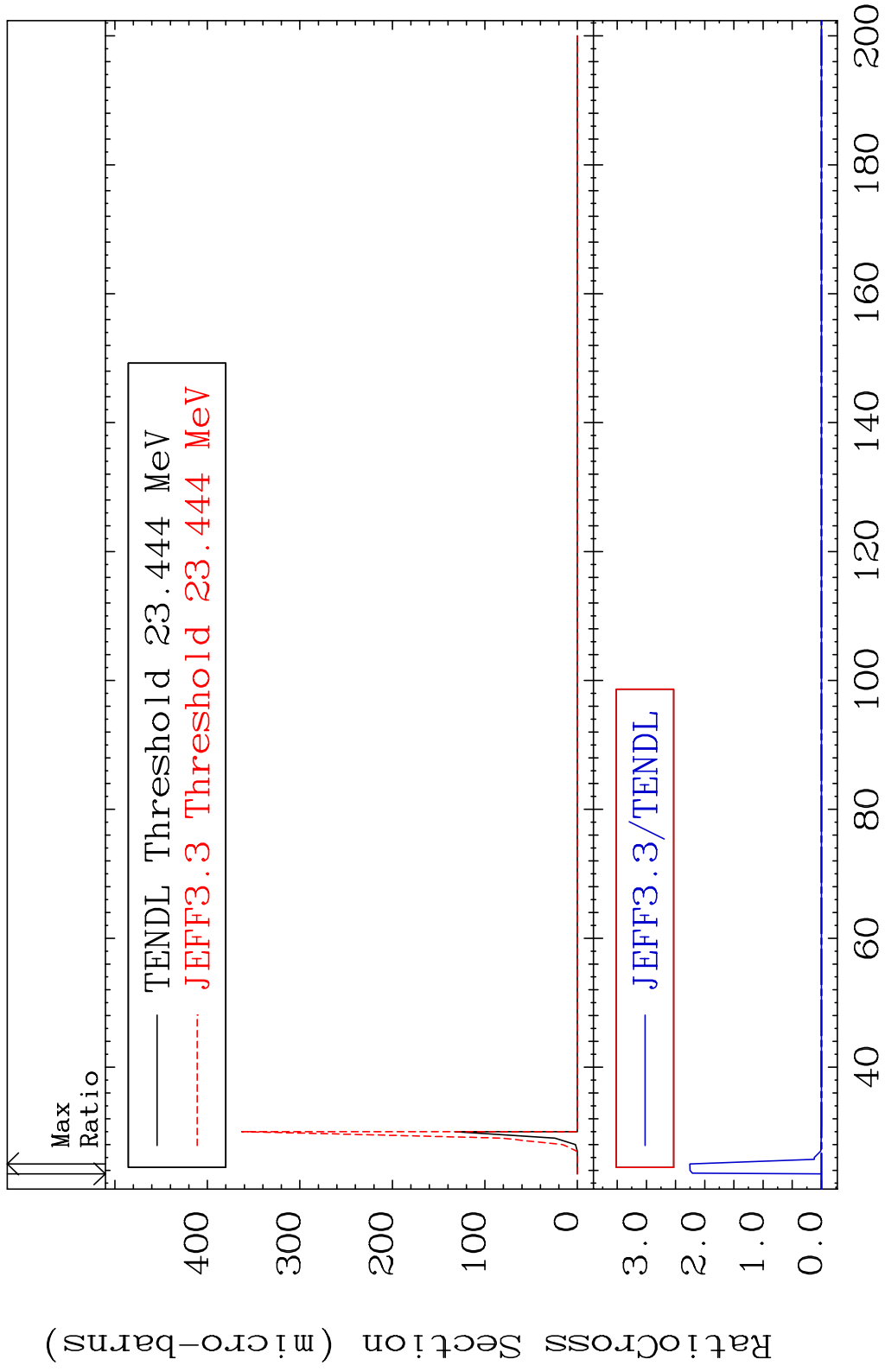
MAT 4437 Dpa inelastic (mt51-91) 44-Ru-100
 Cross Section -21.56 To 5.295 %



MAT 4437 Dpa disappearance (mt102 -120) 44-Ru-100
 Cross Section -100.0 To 9999. %

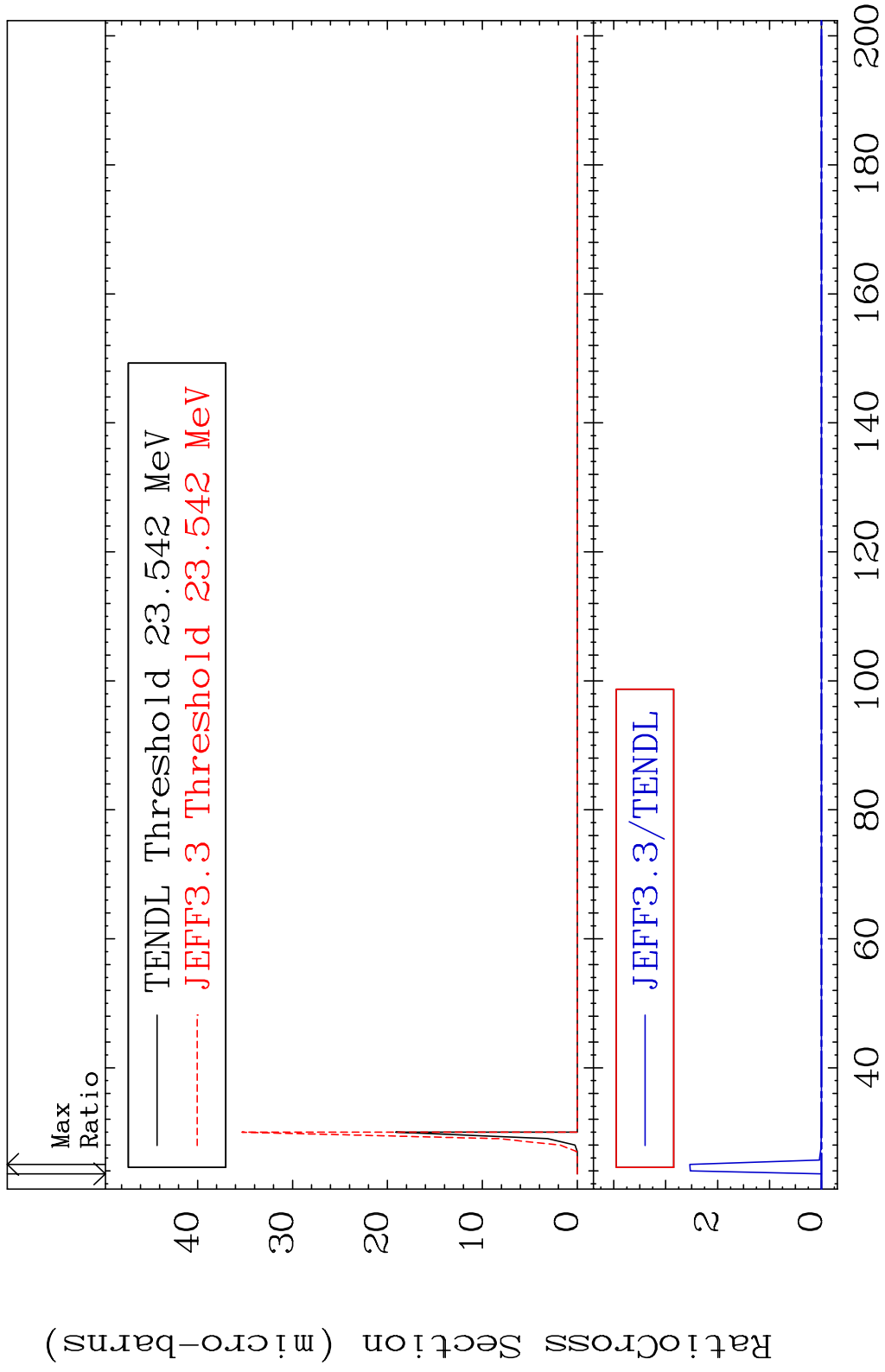


MAT 4437 (n,2n) d:43-Tc-97g 44-Ru-100
 Radionuclide Production Cross Section Ratio 9999. %

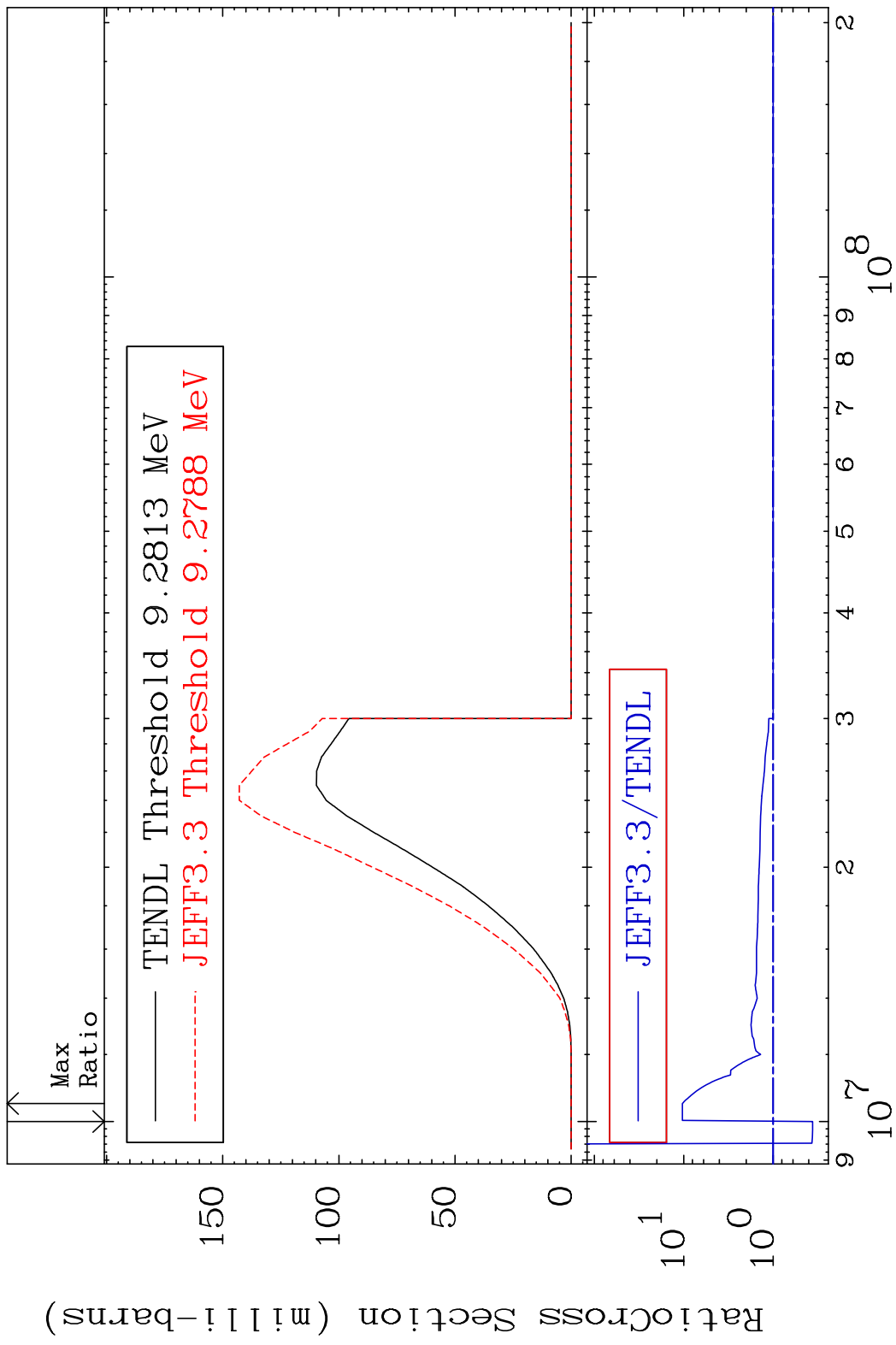


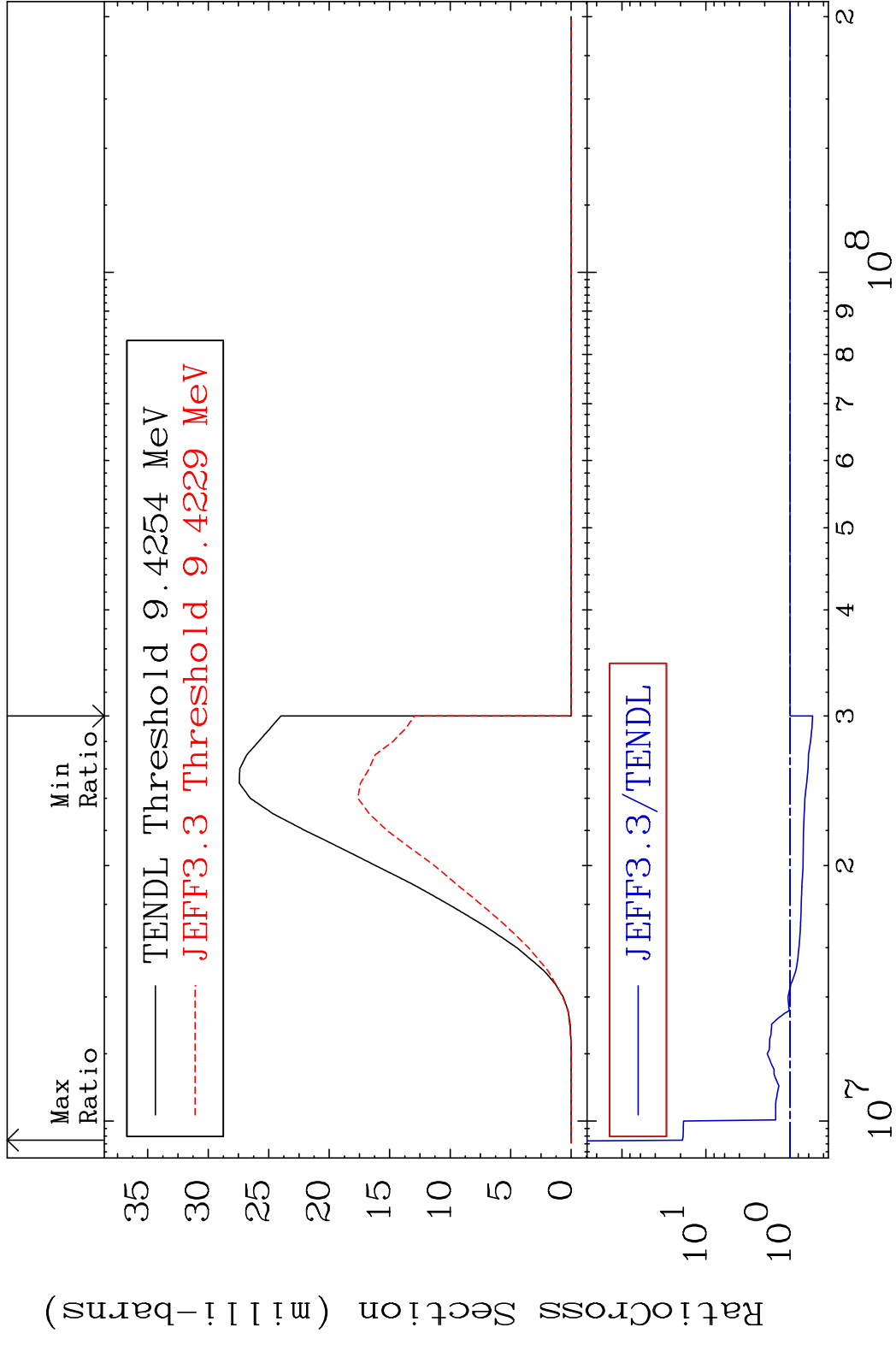
80 Incident Energy (MeV) 44-Ru-100

MAT 4437 (n,2n) d:43-Tc-97m1 44-Ru-100
 Radionuclide Production Cross Section Ratio 9999. %

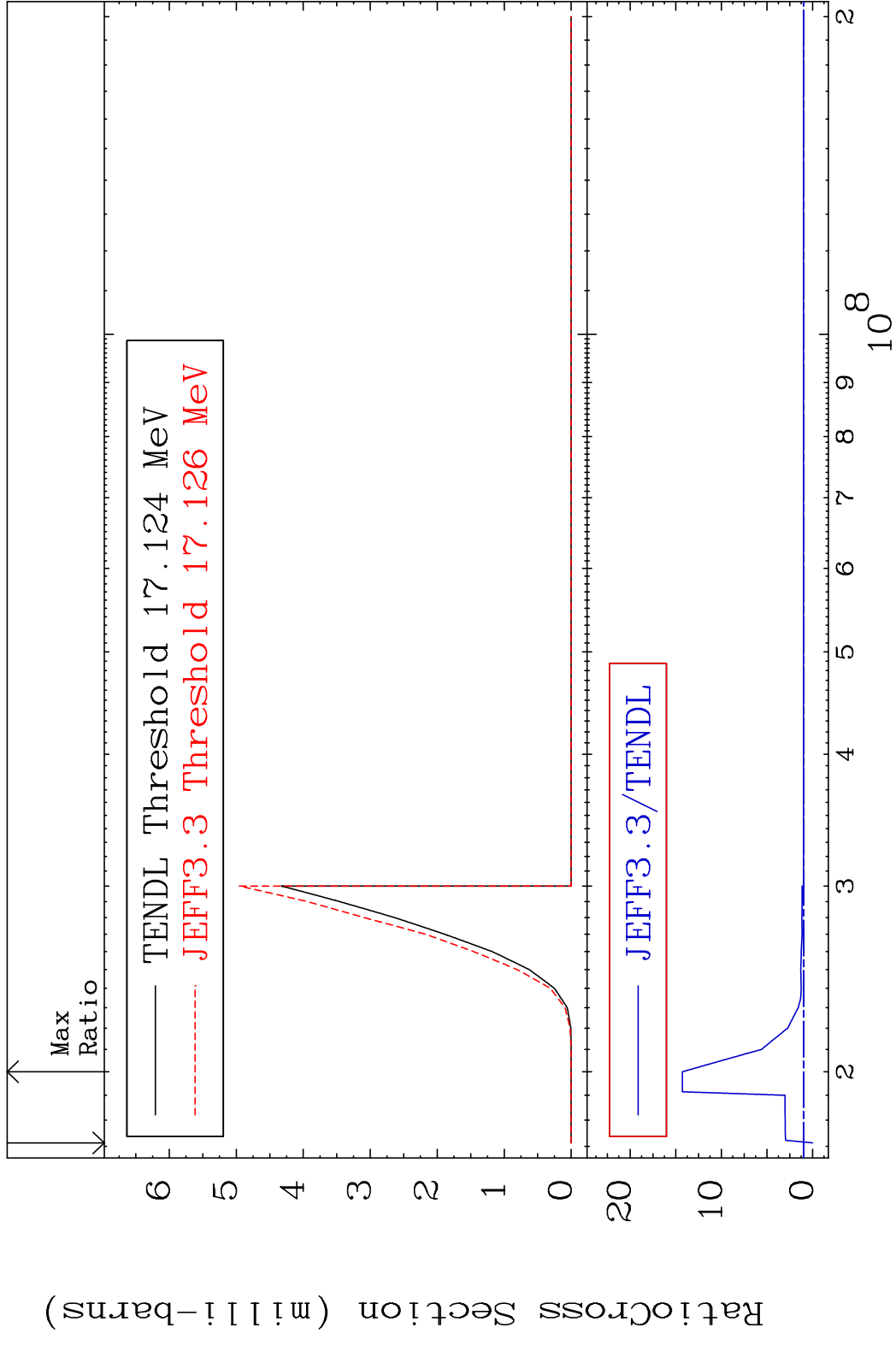


MAT 4437 (n, n') p:43-Tc-99g 44-Ru-100
 Radionuclide Production Cross Section 937.5 %

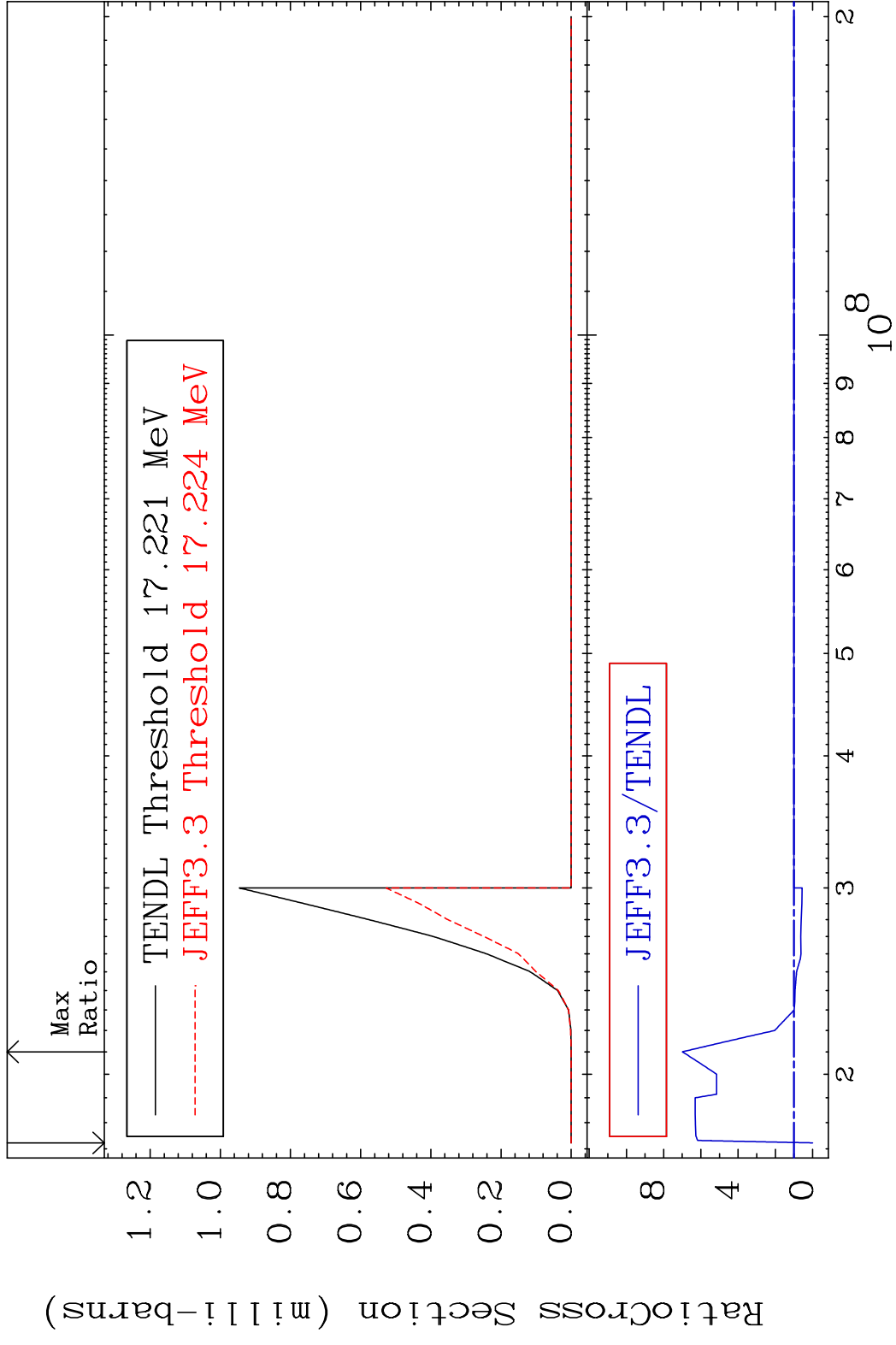




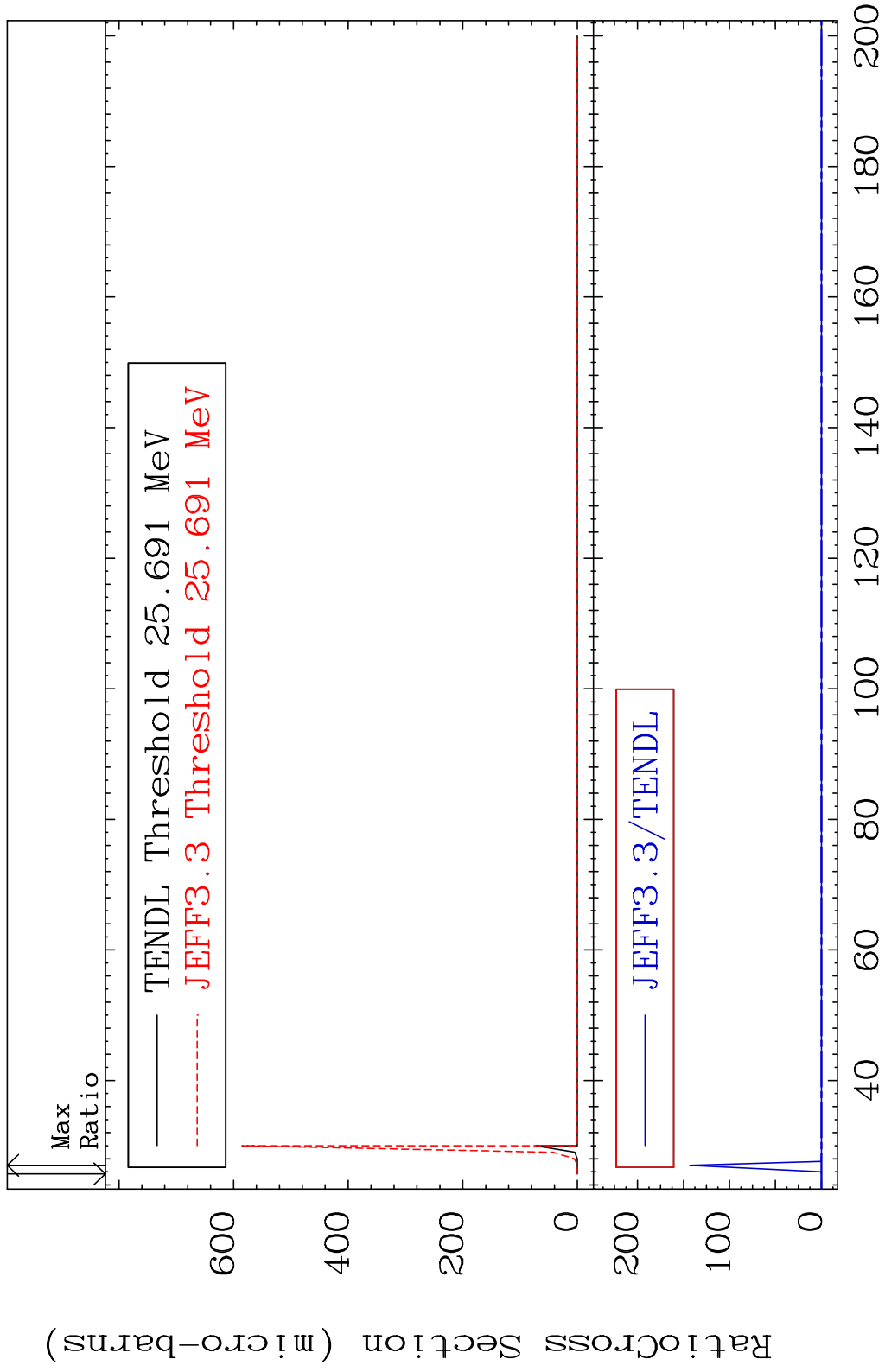
MAT 4437 (n, n') t:43-Tc-97g 44-Ru-100
 Radionuclide Production Cross Section 1327. %



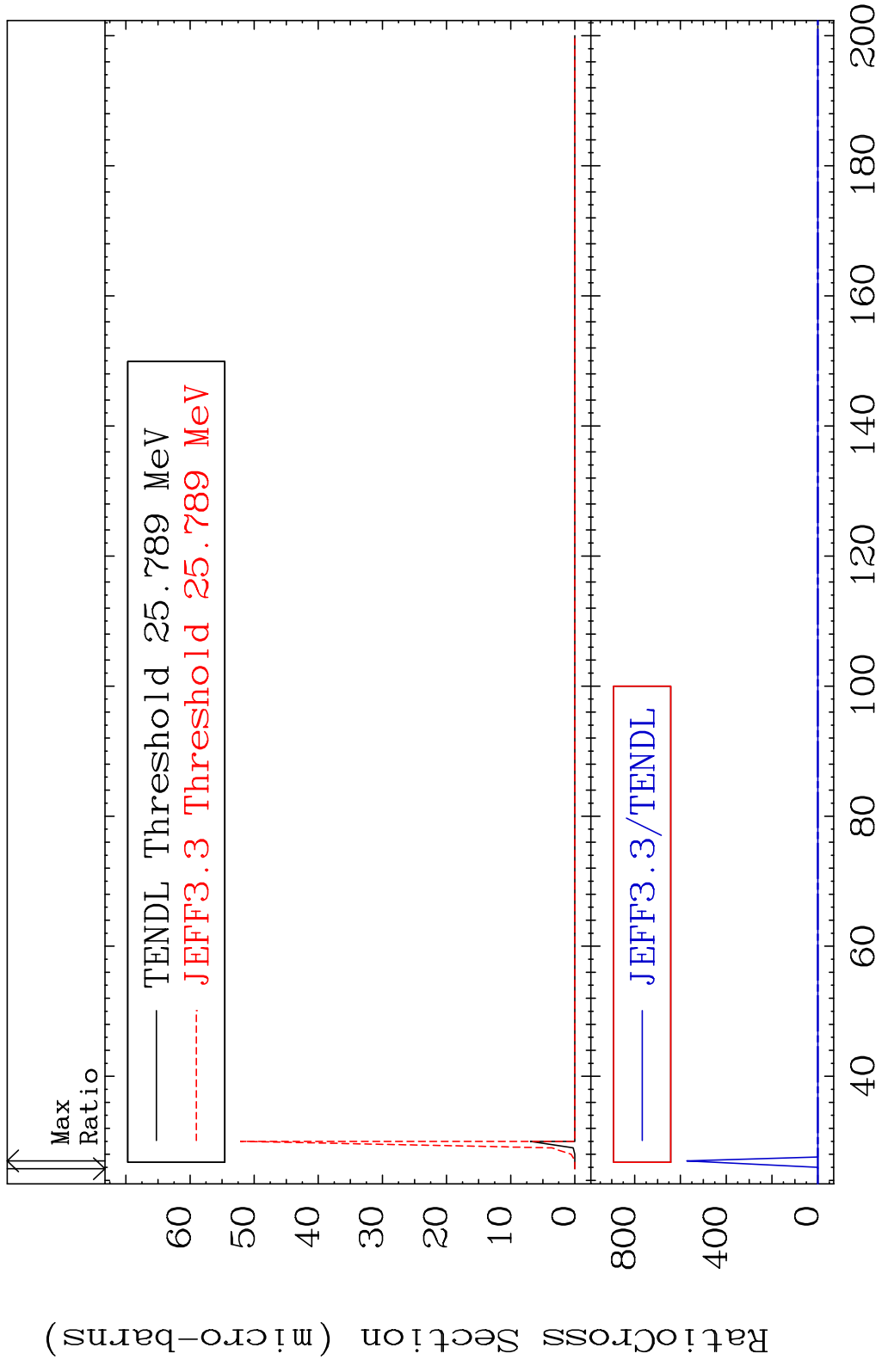
MAT 4437 (n, n') t:43-Tc-97m1 44-Ru-100
 Radionuclide Production Cross Section 180.01 dth 599.5 %

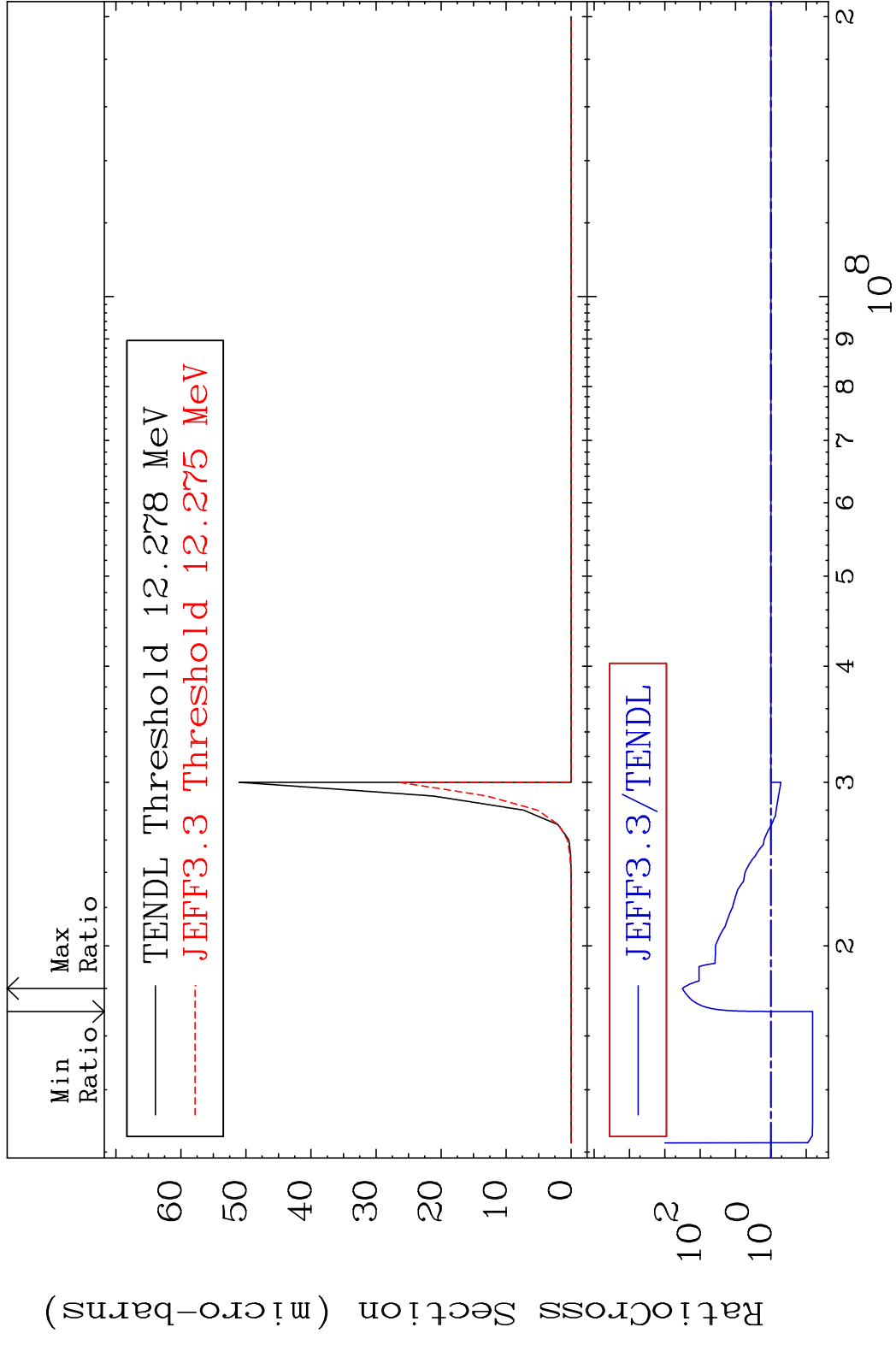


MAT 4437 (n,3n) p:43-Tc-97g 44-Ru-100
 Radionuclide Production Cross Section 100.00 %

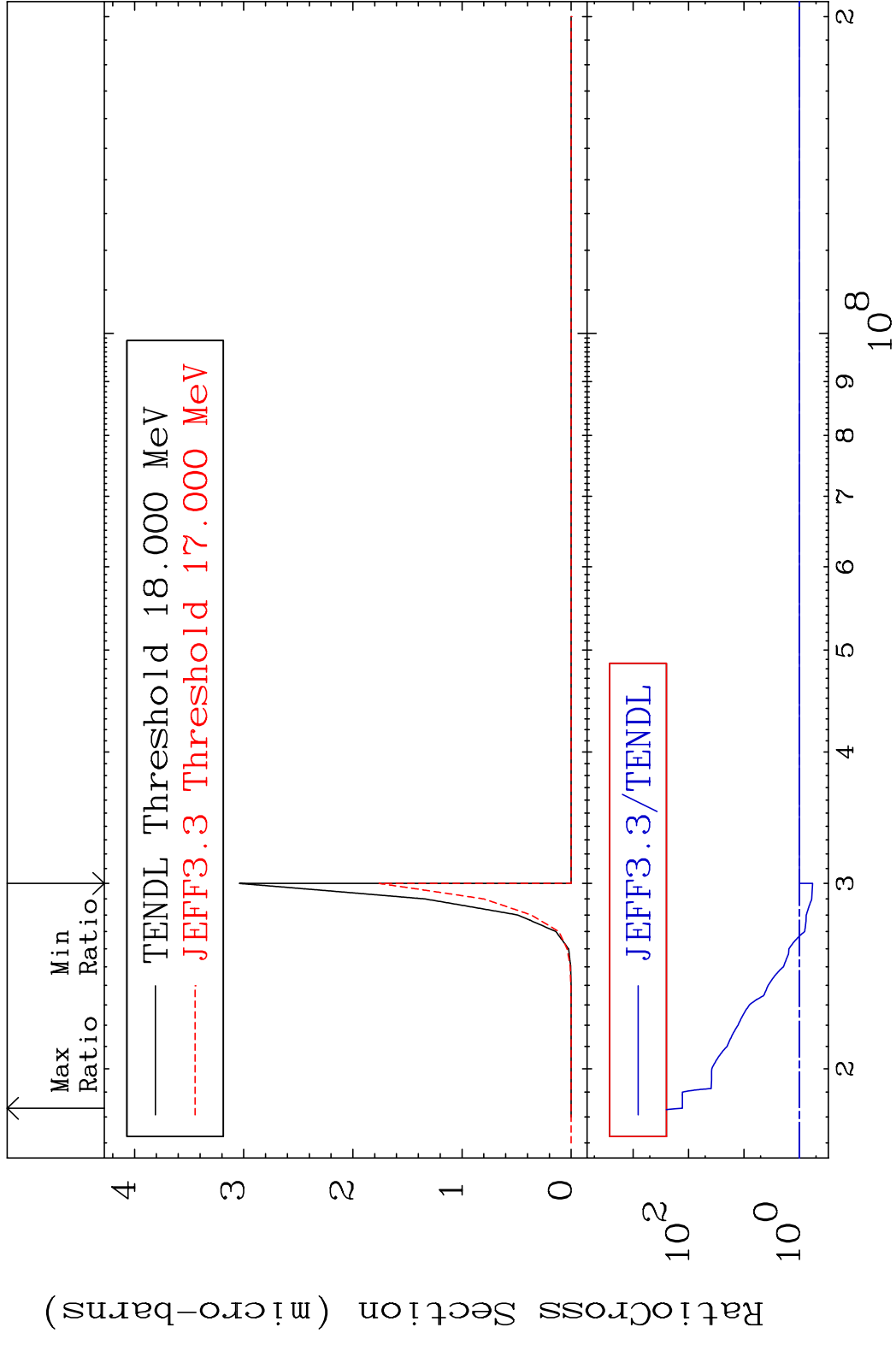


MAT 4437 (n,3n) p:43-Tc-97m1 44-Ru-100
 Radionuclide Production Cross Section 100.00 %

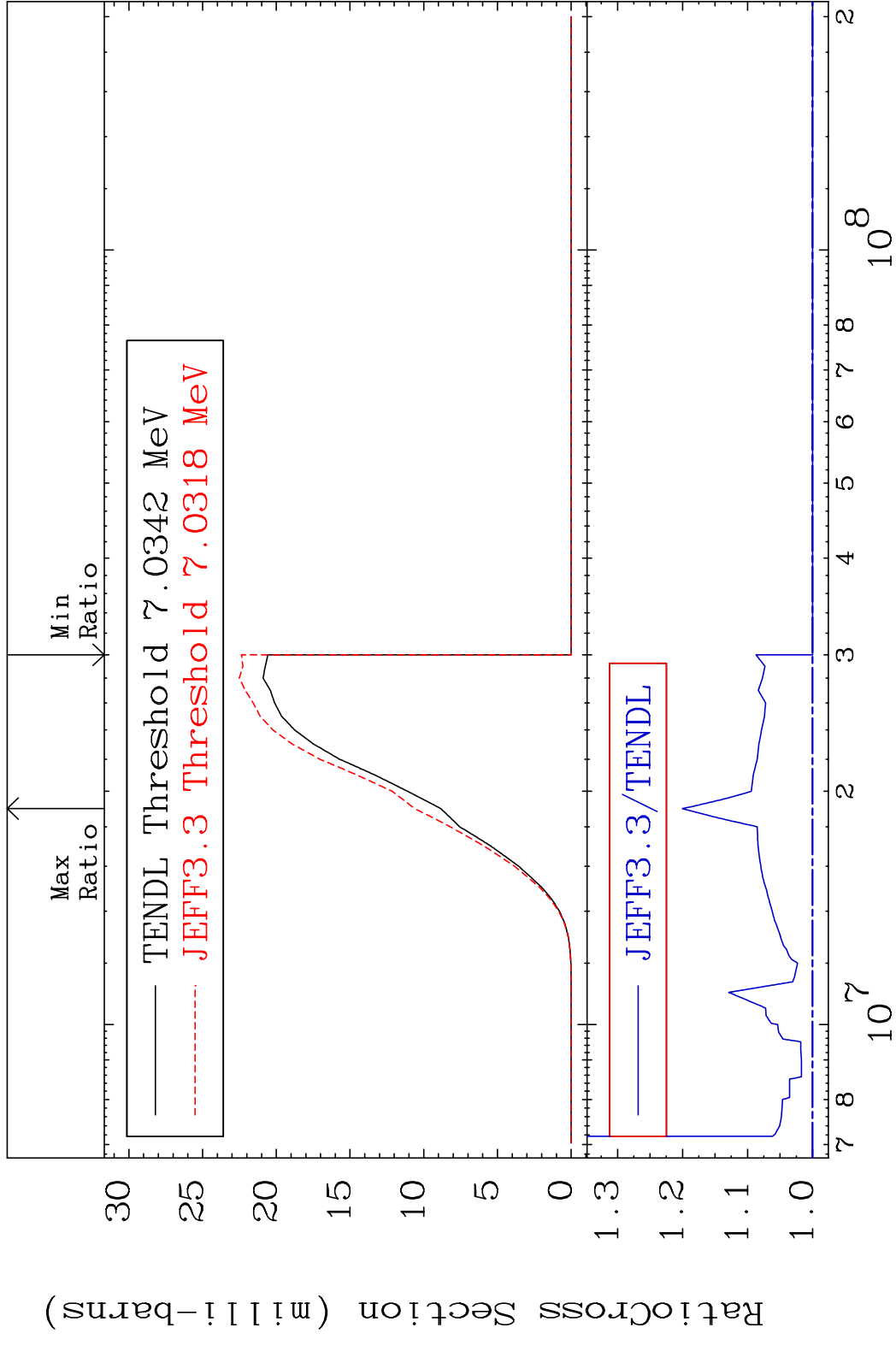


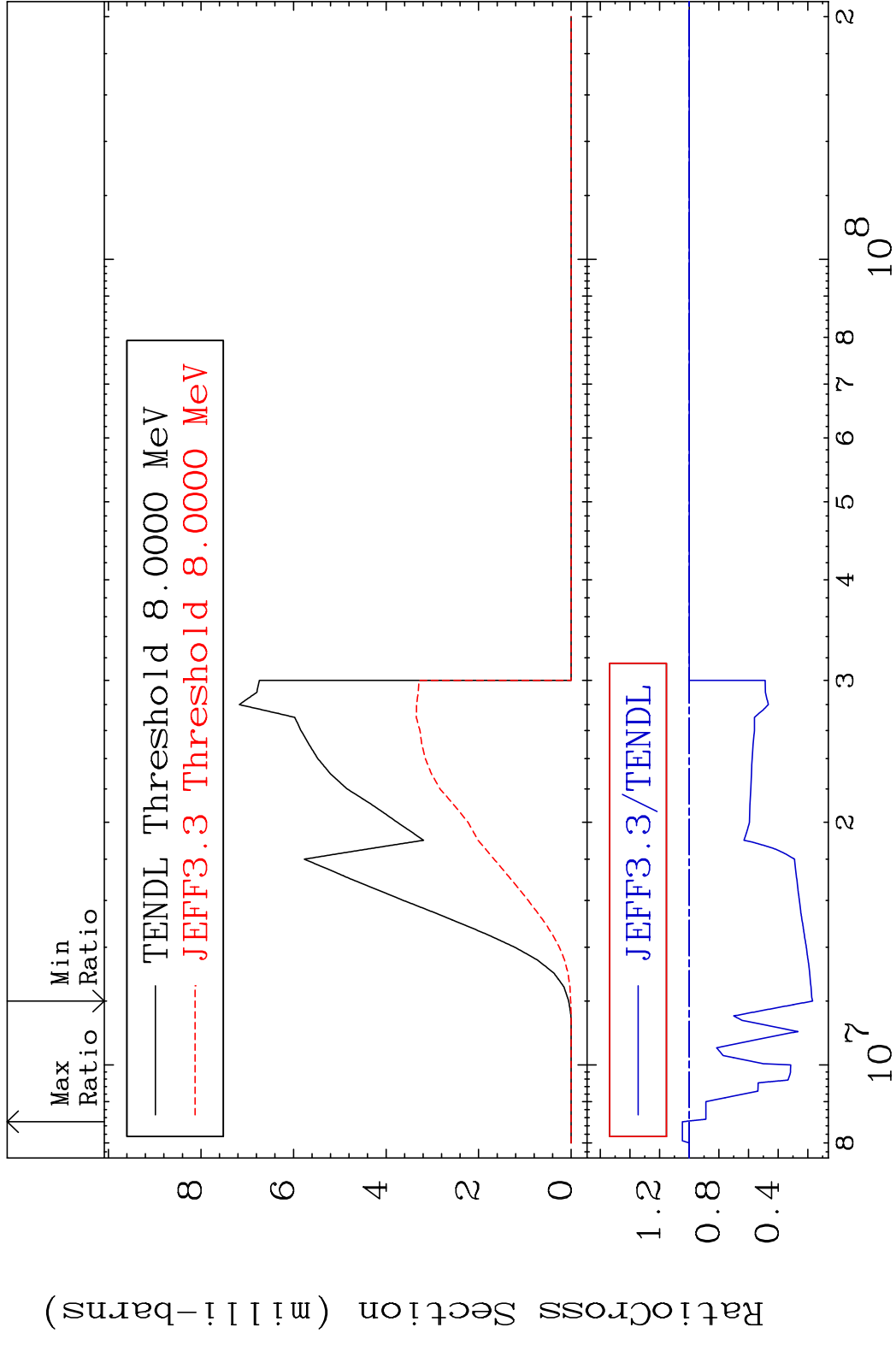


MAT 4437 (n, n') p α : 41-Nb-95m1 44-Ru-100
 Radionuclide Production Cross Section to 9999. %

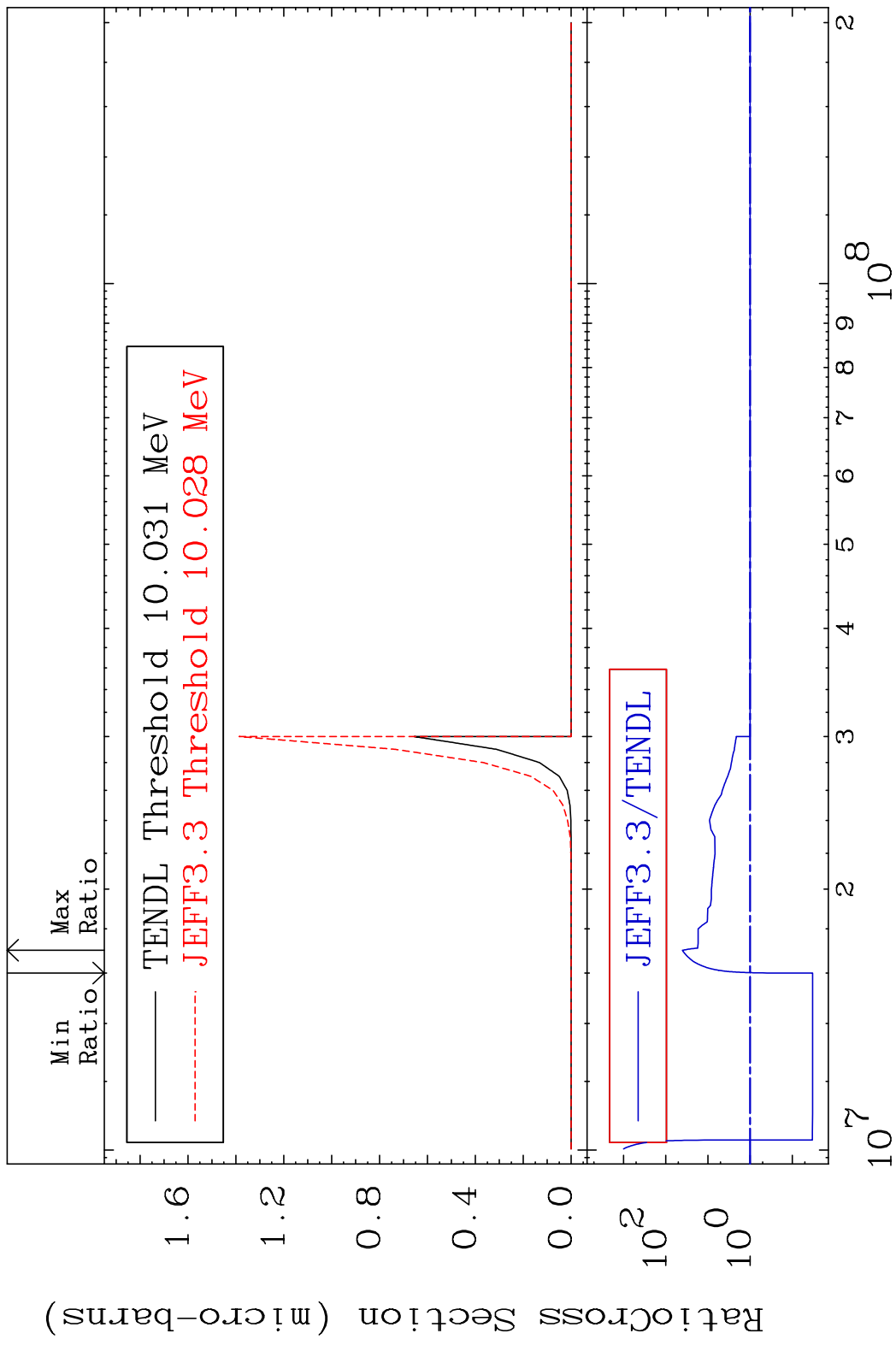


MAT 4437 (n,d):43-Tc-99g 44-Ru-100
 Radionuclide Production Cross Section 20.03 %





MAT 4437 (n, d) α :41-Nb-95g 44-Ru-100
 Radionuclide Production Cross Section 3922. %



MAT 4437 (n, d) α :41-Nb-95m1 44-Ru-100
 Radionuclide Production Cross Section 4150. %

