

Program Complot
(Version 2021-1)

by

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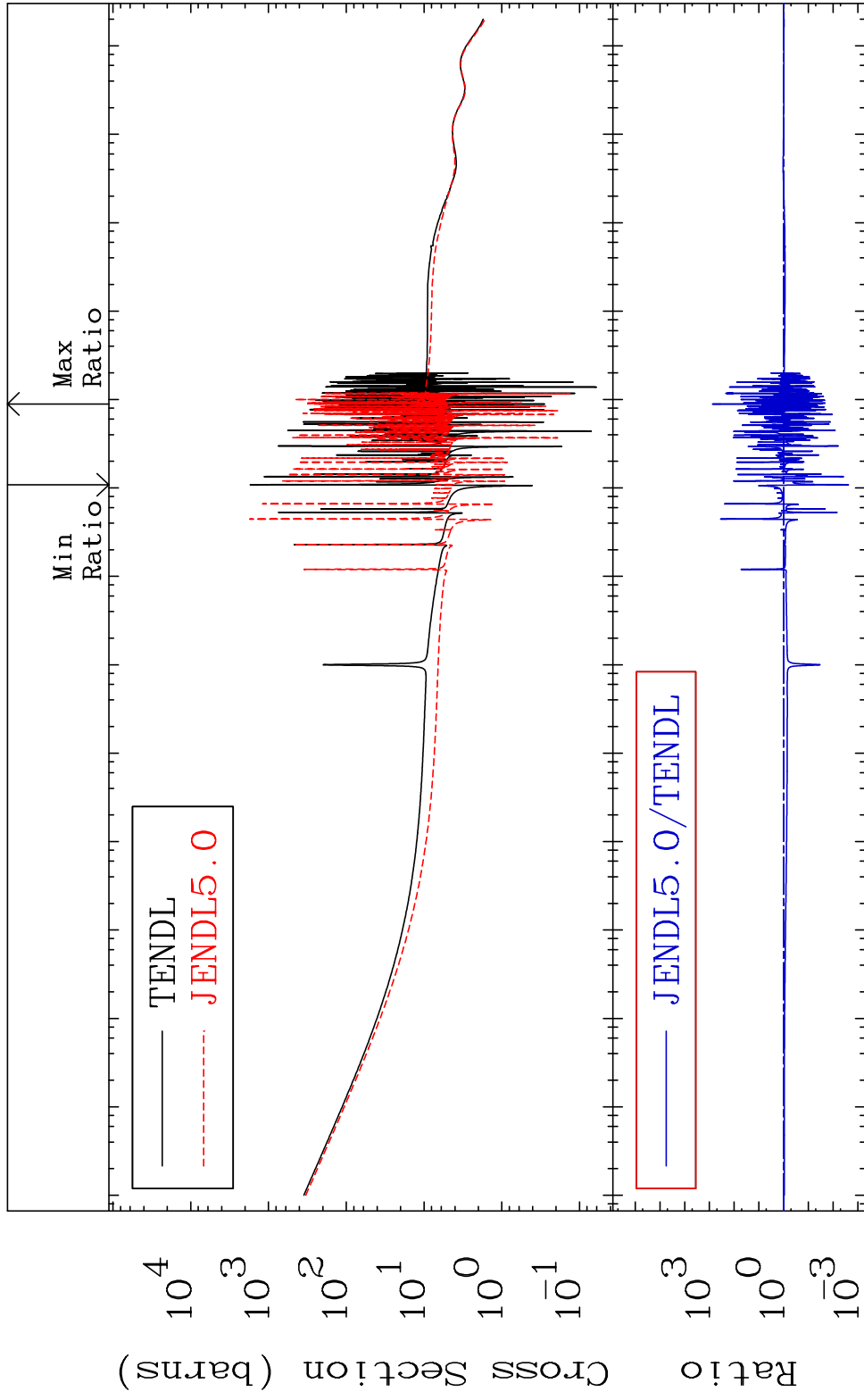
Press Mouse Button to Start

MAT 4437

Total

44-Ru-100

Cross Section -99.76 To 9999. %



1

Incident Energy (eV)

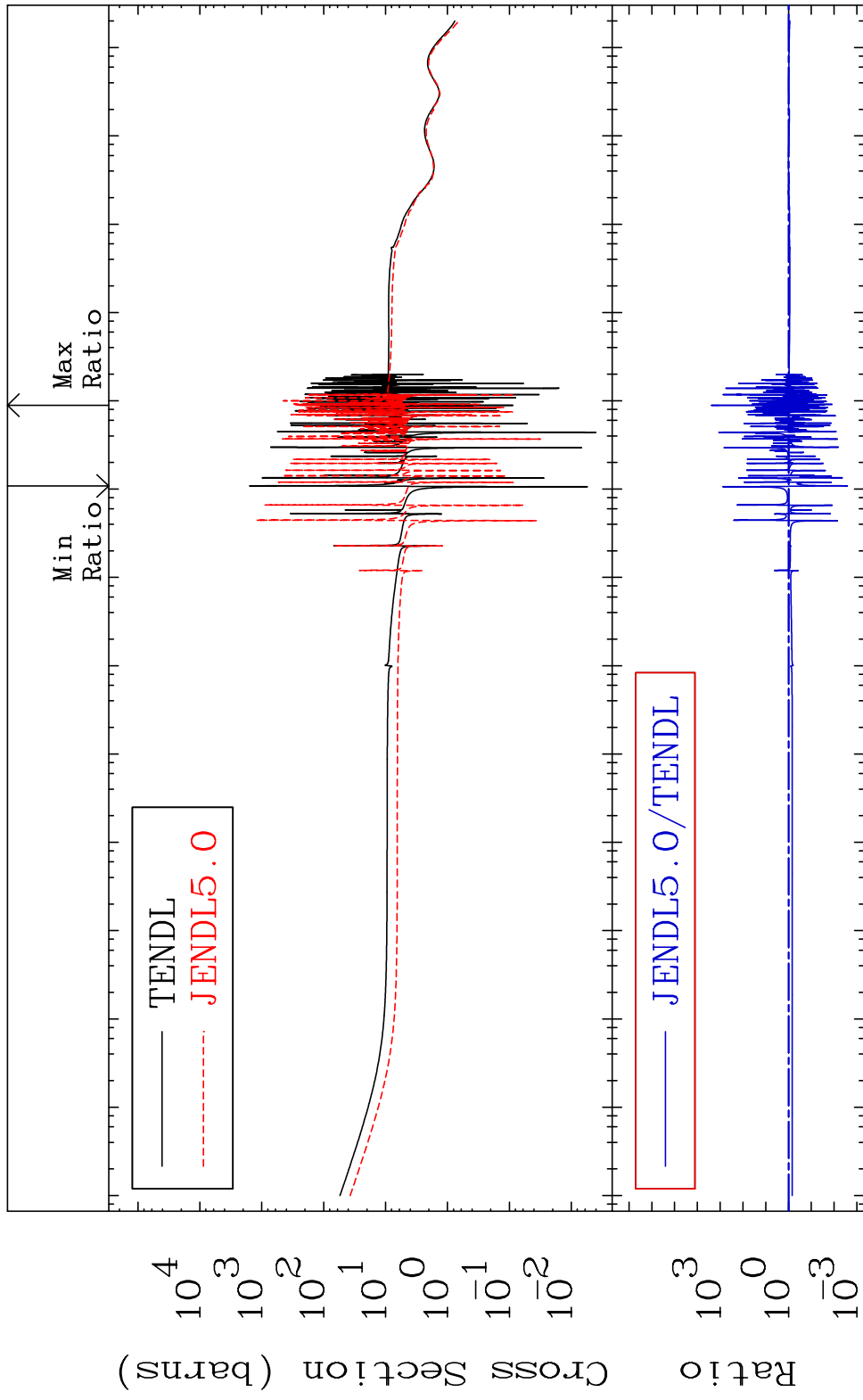
44-Ru-100

MAT 4437

Elastic

44-Ru-100

Cross Section -99.74 To 9999. %



2

Incident Energy (eV)

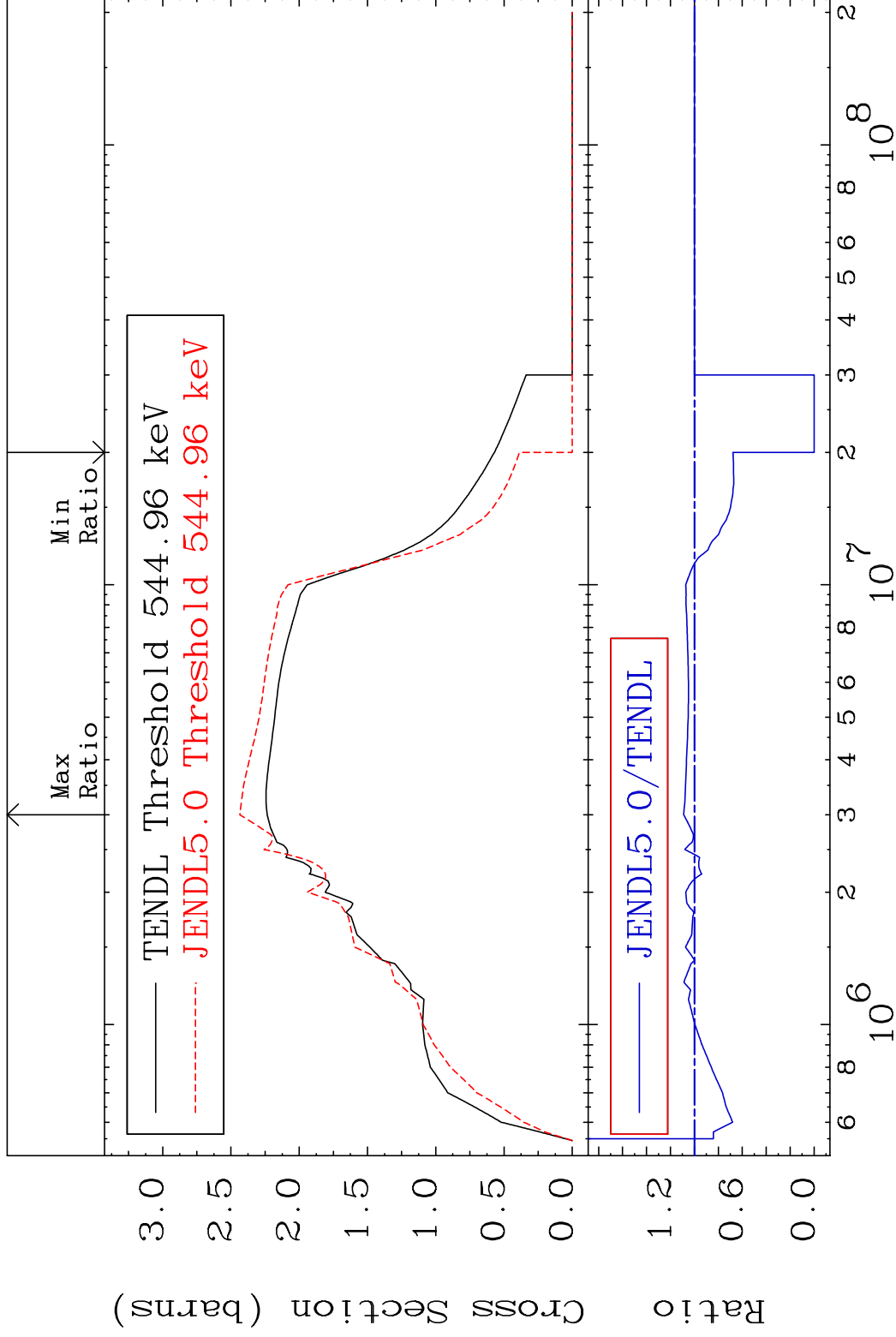
44-Ru-100

MAT 4437

Inelastic

44-Ru-100

Cross Section -100.0 To 8.961 %



3

Incident Energy (eV)

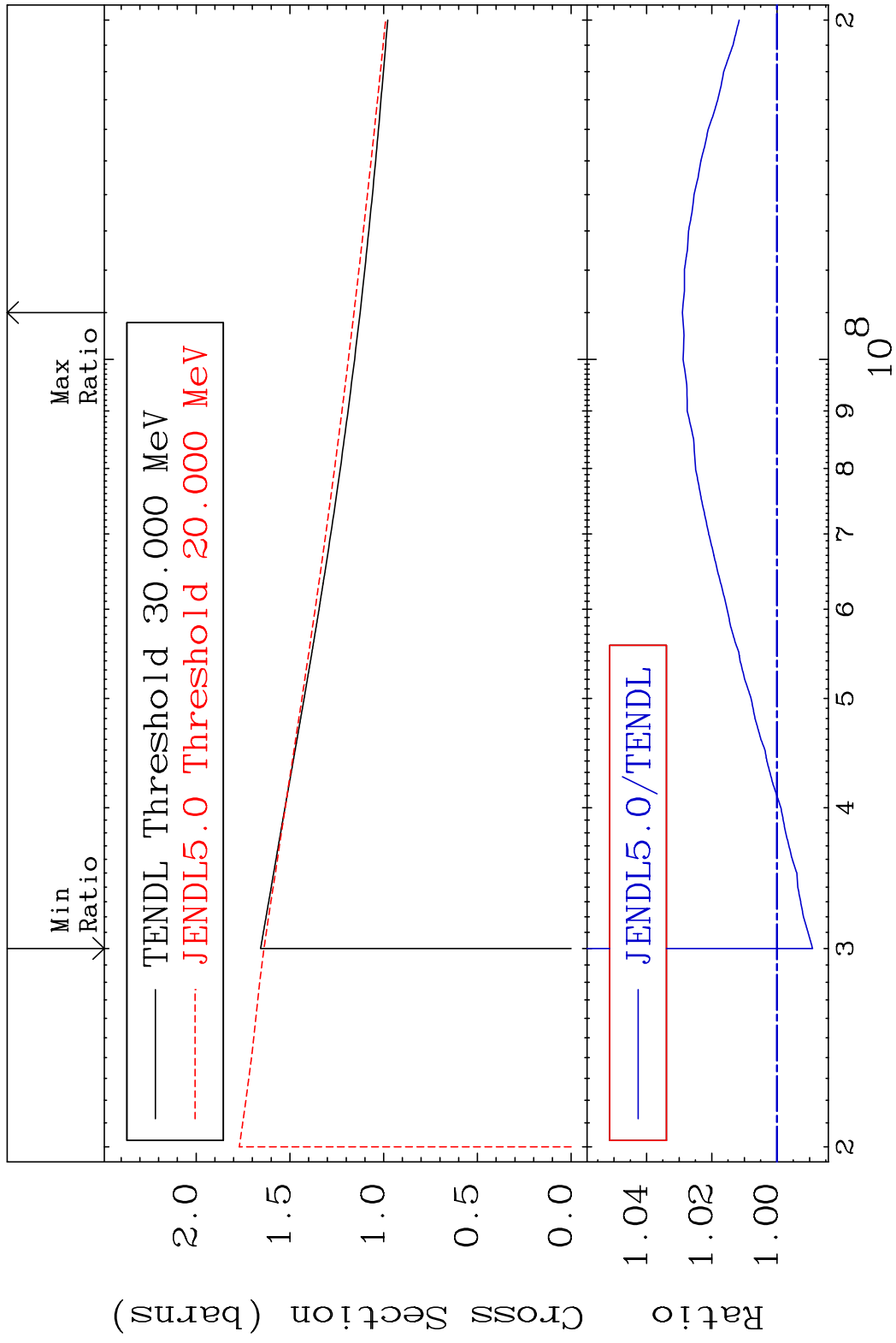
44-Ru-100

MAT 4437

(n, remainder)

44-Ru-100

Cross Section -1.091 To 2.903 %



4

Incident Energy (eV)

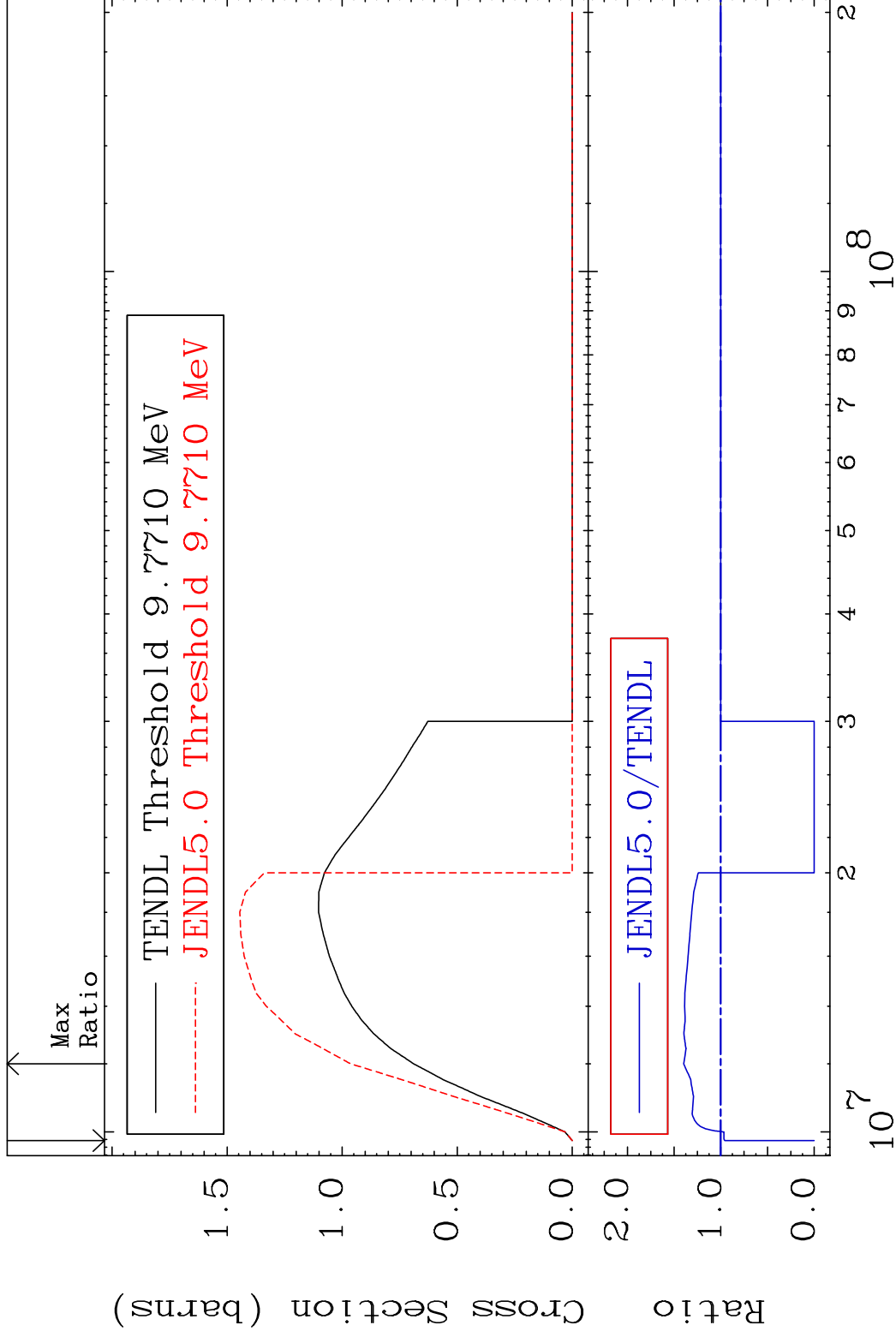
44-Ru-100

MAT 4437

(n,2n)

44-Ru-100

Cross Section -100.0 To 39.78 %



5

Incident Energy (eV)

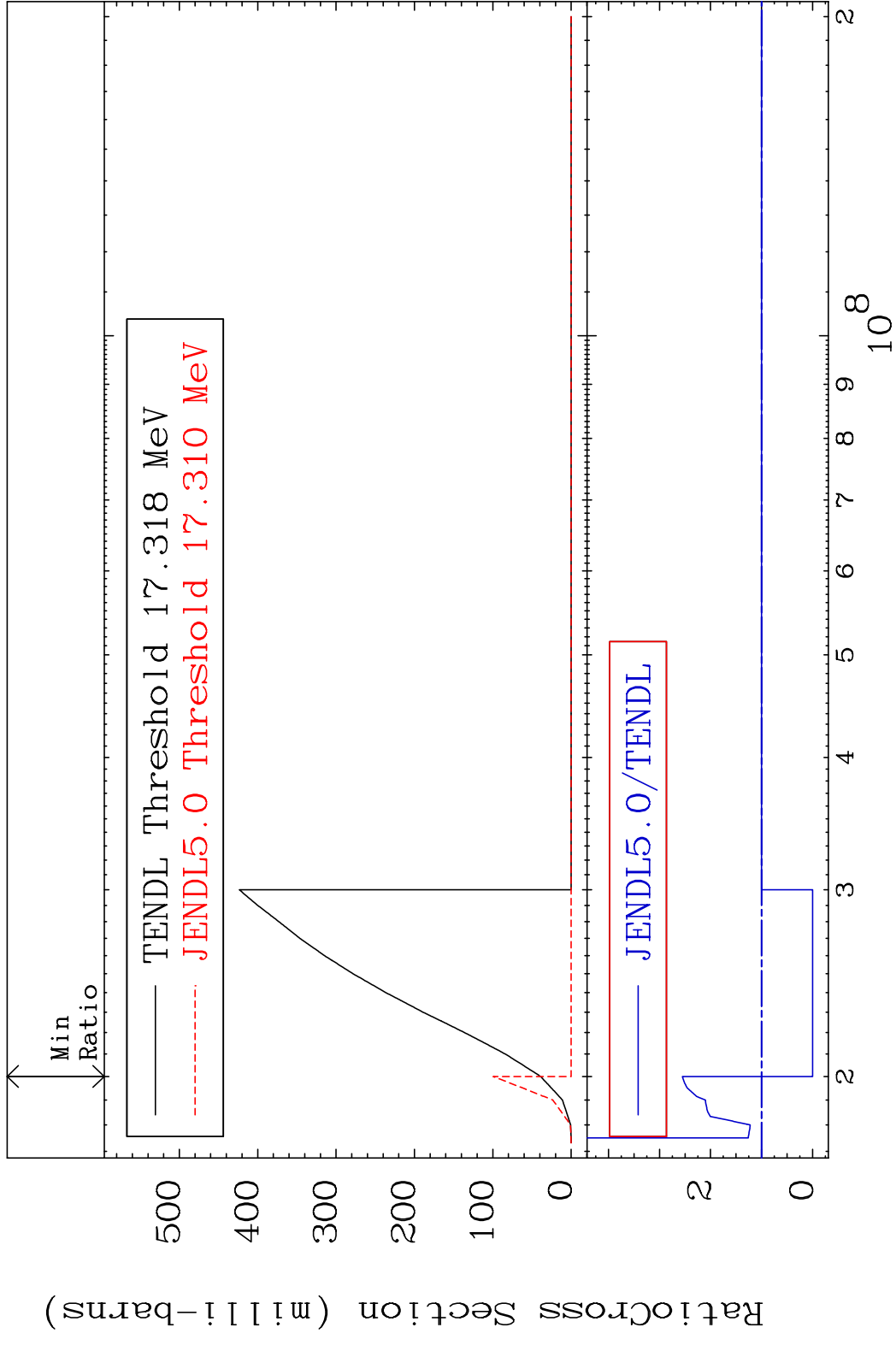
44-Ru-100

MAT 4437

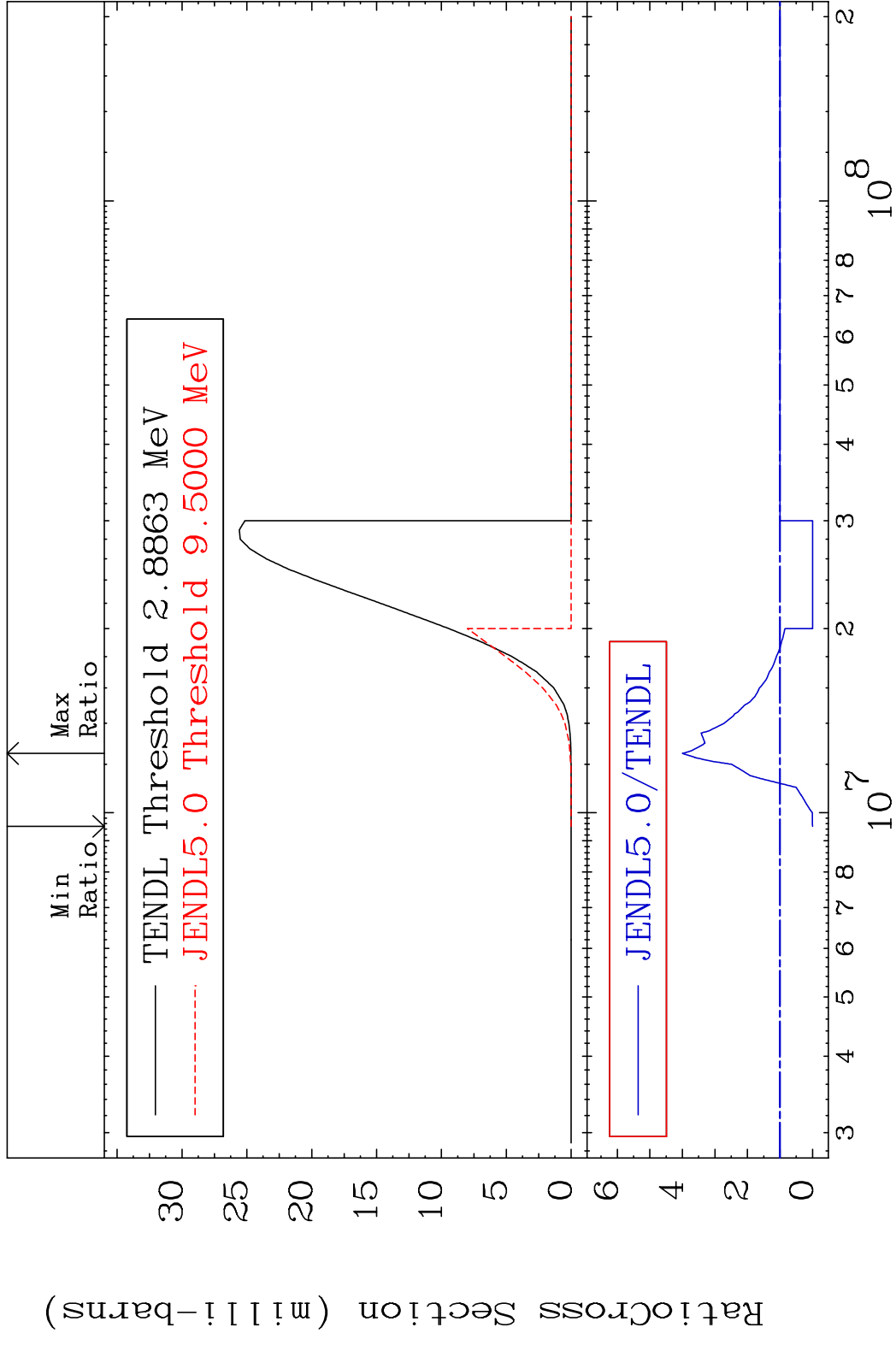
(n,3n)

44-Ru-100

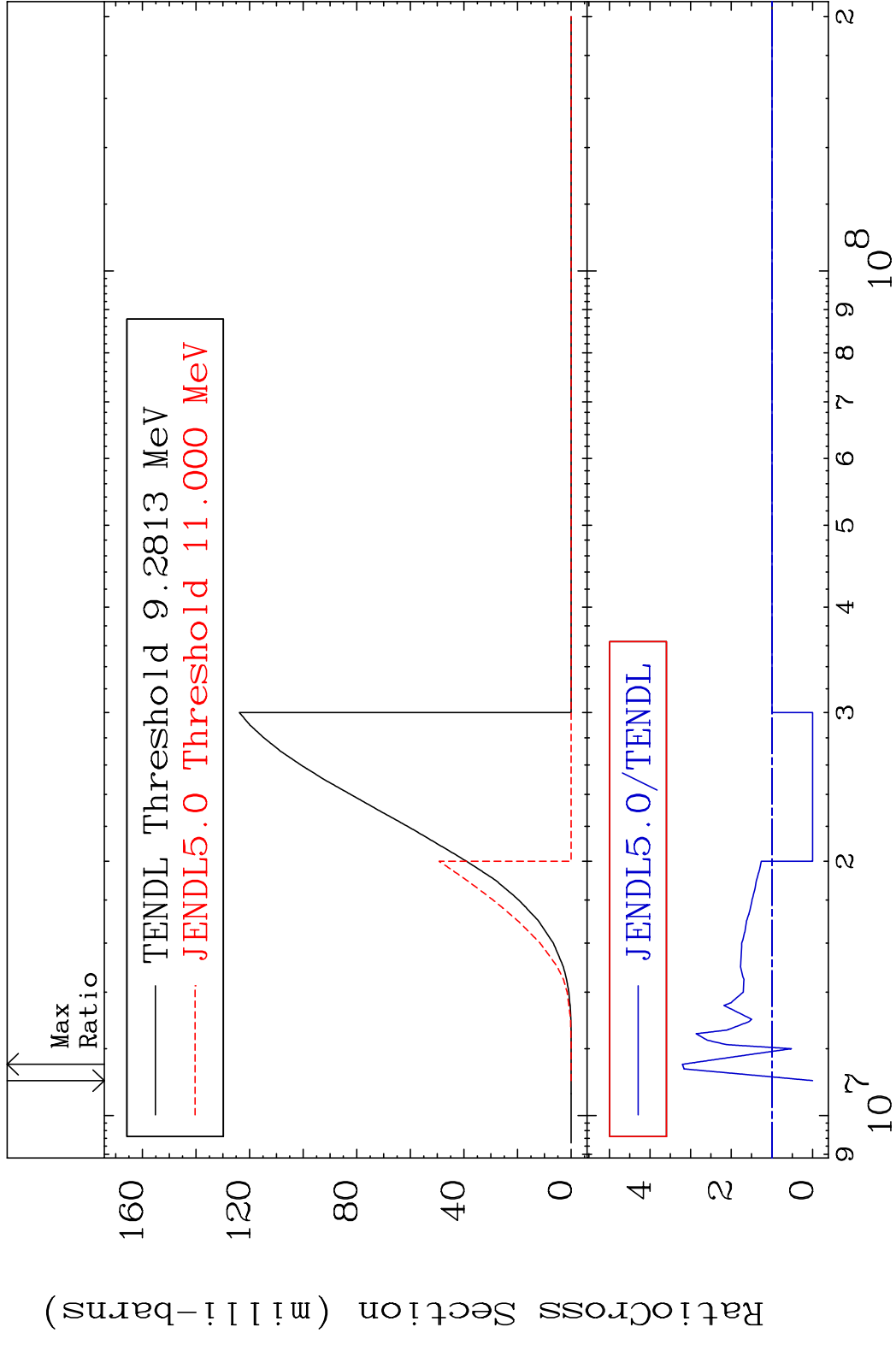
Cross Section -100.0 To 155.3 %



MAT 4437 (n, n') α 44-Ru-100
 Cross Section -100.0 To 300.1 %



MAT 4437 (n, n') p 44-Ru-100
 Cross Section -100.0 To 220.3 %



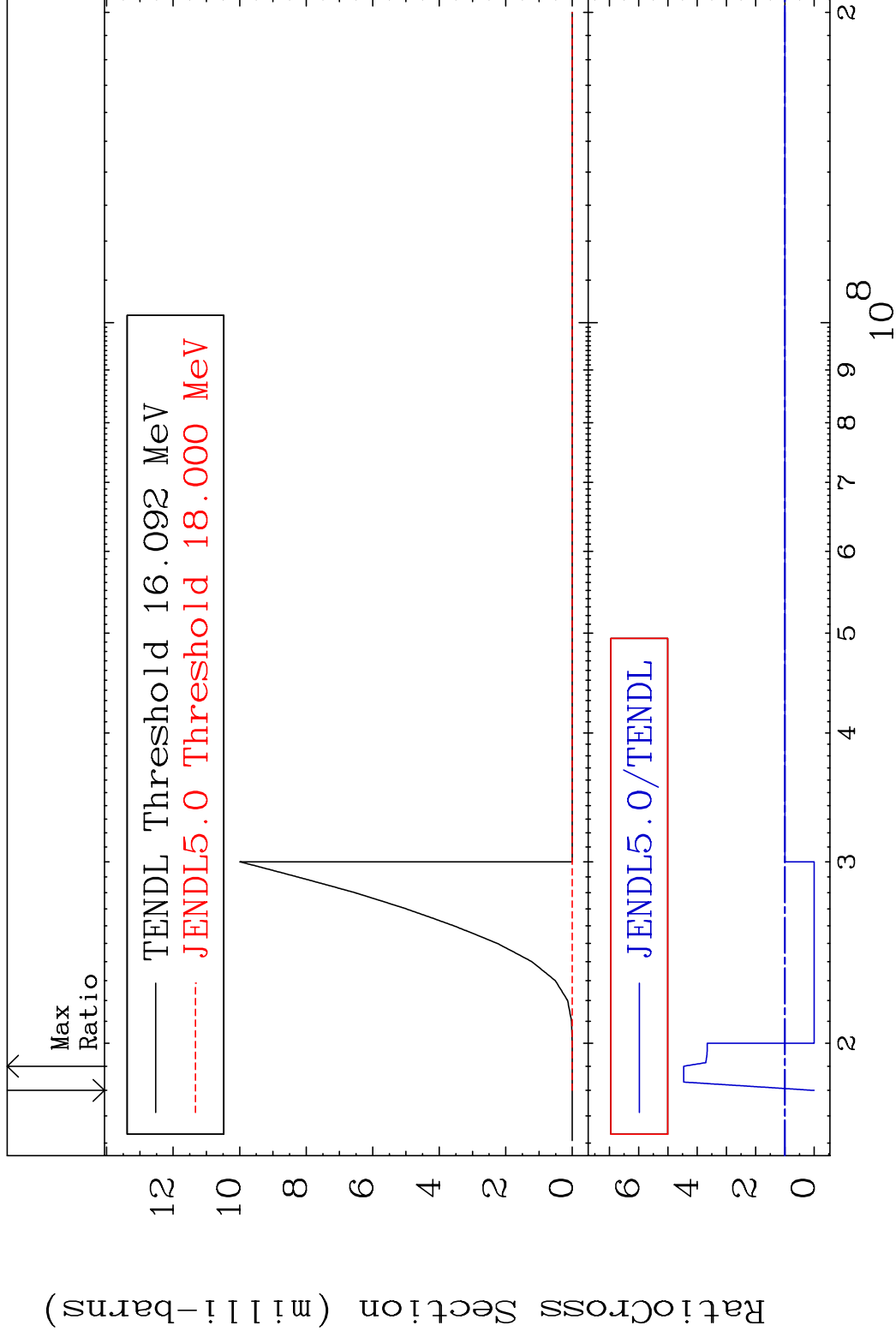
8 9 10⁷ 2 10⁸ 44-Ru-100

MAT 4437

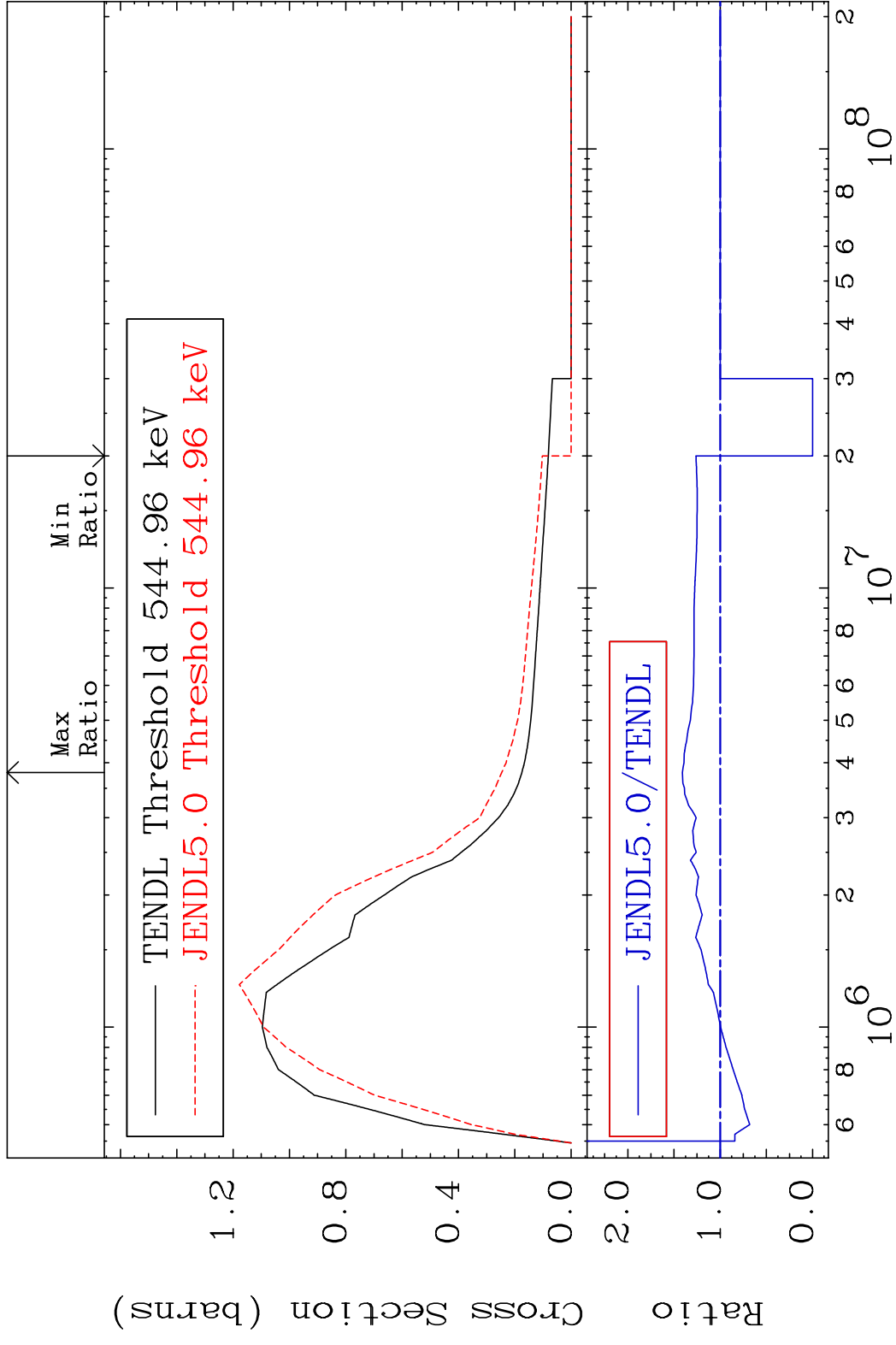
(n, n') d

44-Ru-100

Cross Section -100.0 To 345.9 %

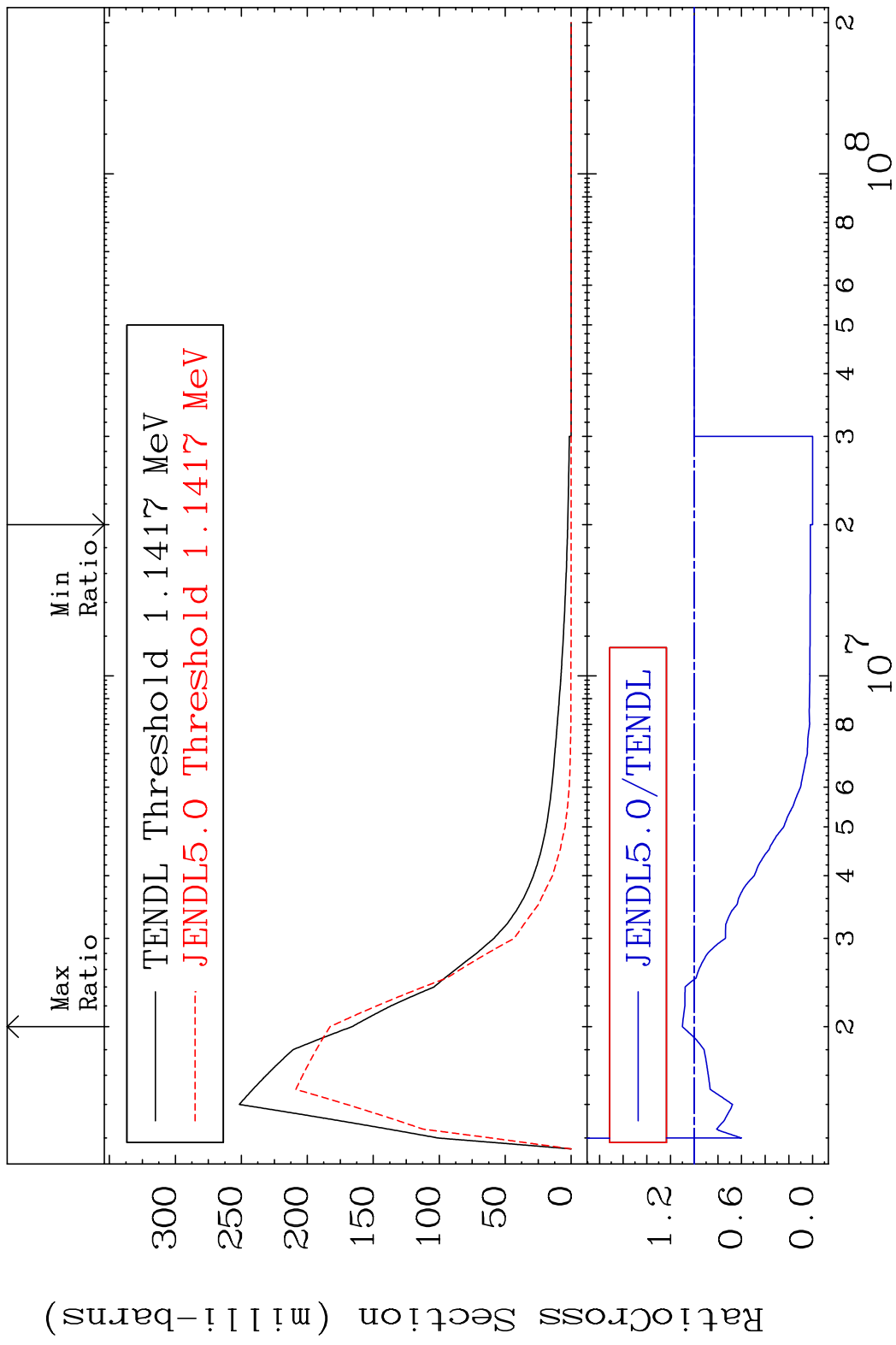


MAT 4437 MT= 51 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 40.94 %

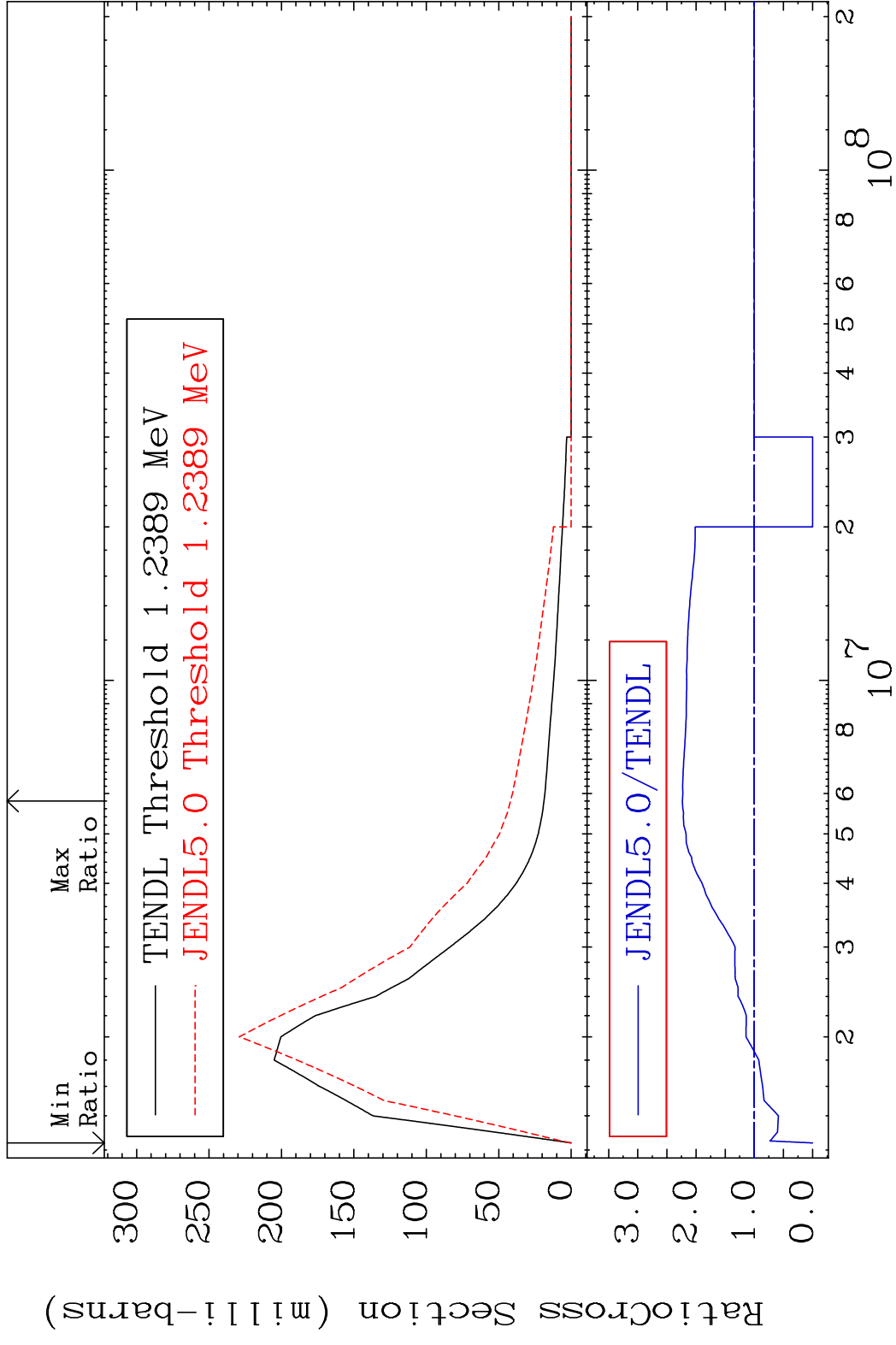


10 Incident Energy (eV) 44-Ru-100

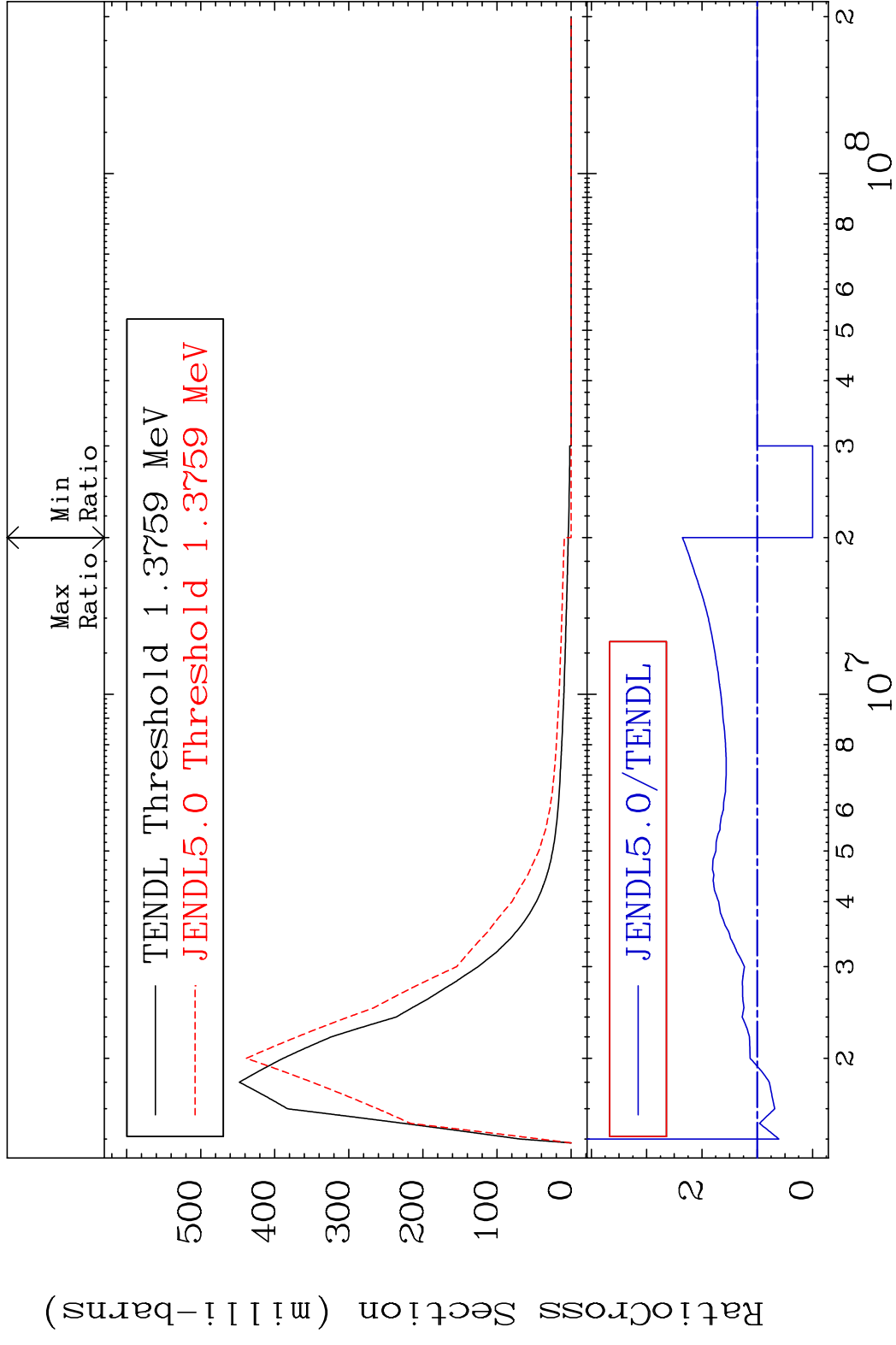
MAT 4437 MT= 52 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 10.00 %



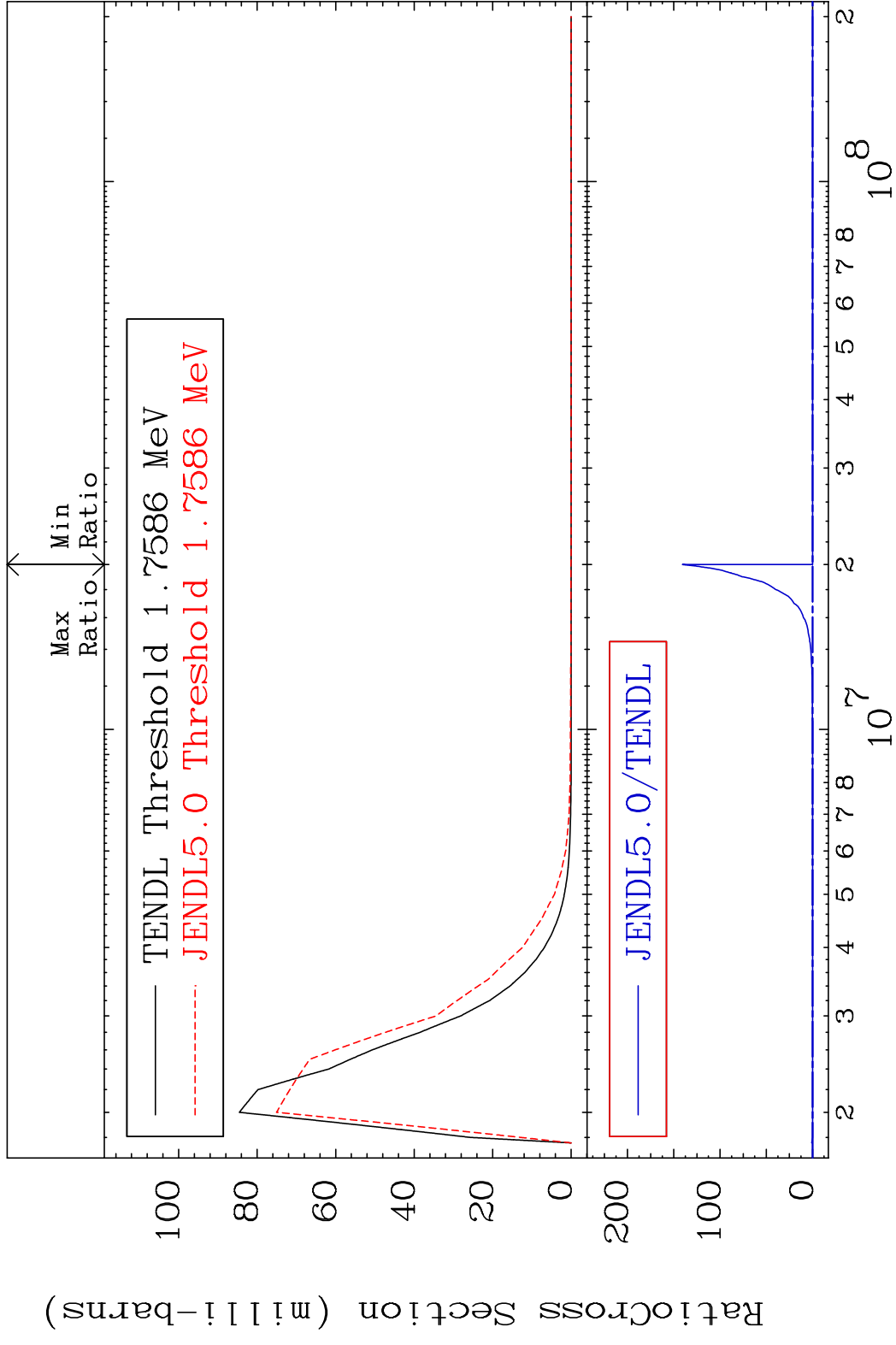
MAT 4437 MT= 53 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 123.5 %



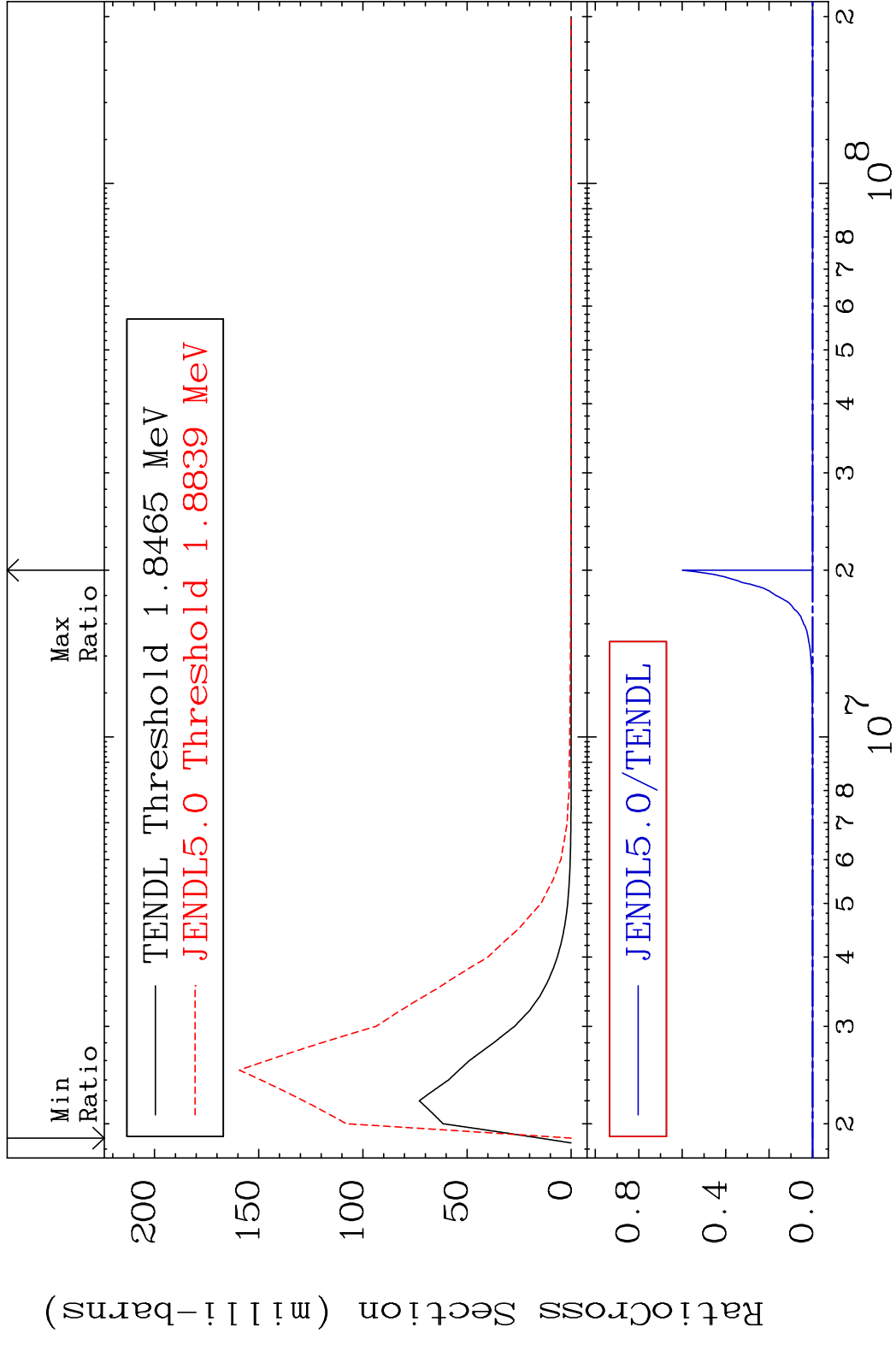
MAT 4437 MT= 54 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 135.4 %



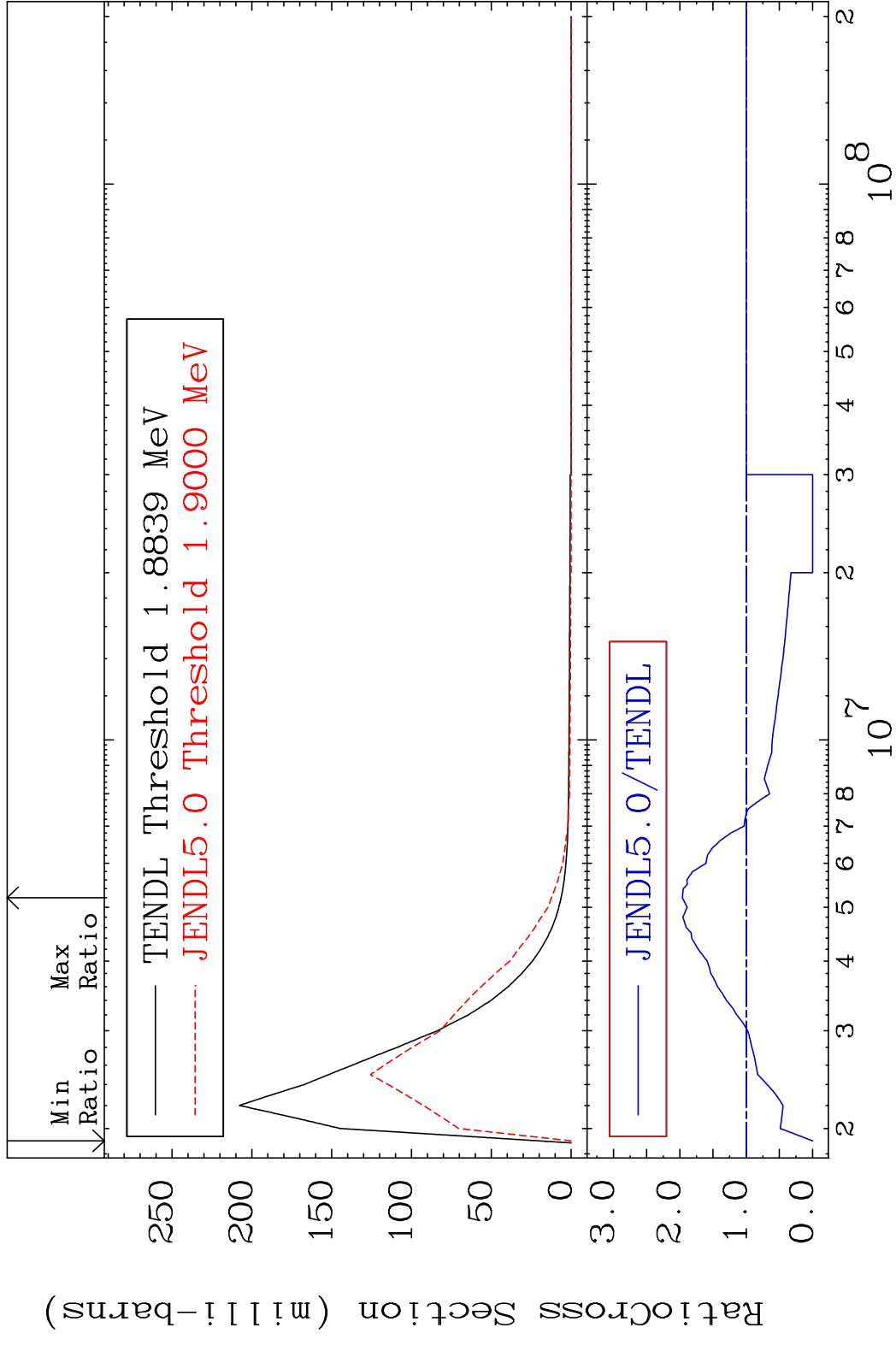
MAT 4437 MT= 55 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



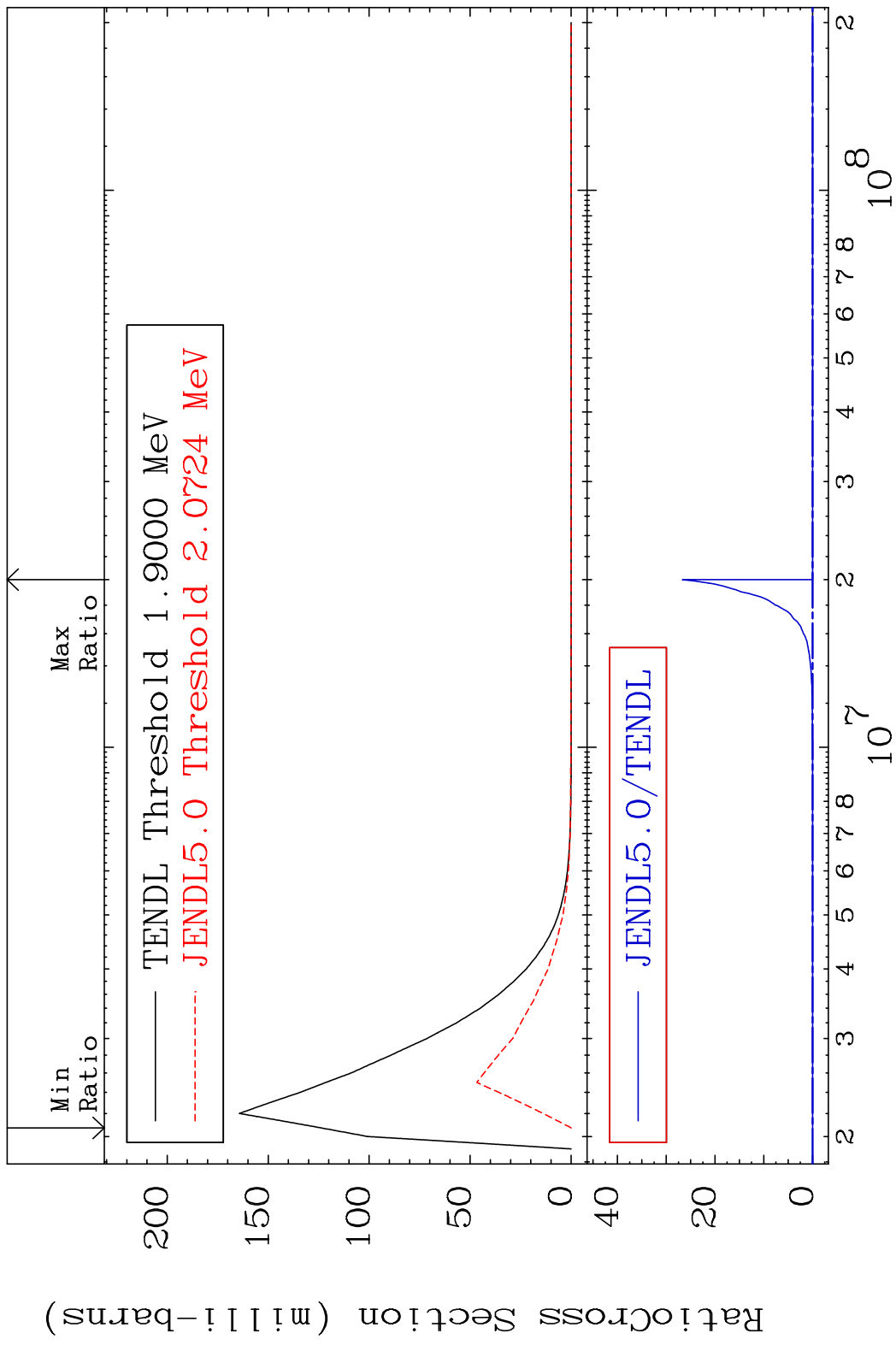
MAT 4437 MT= 56 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



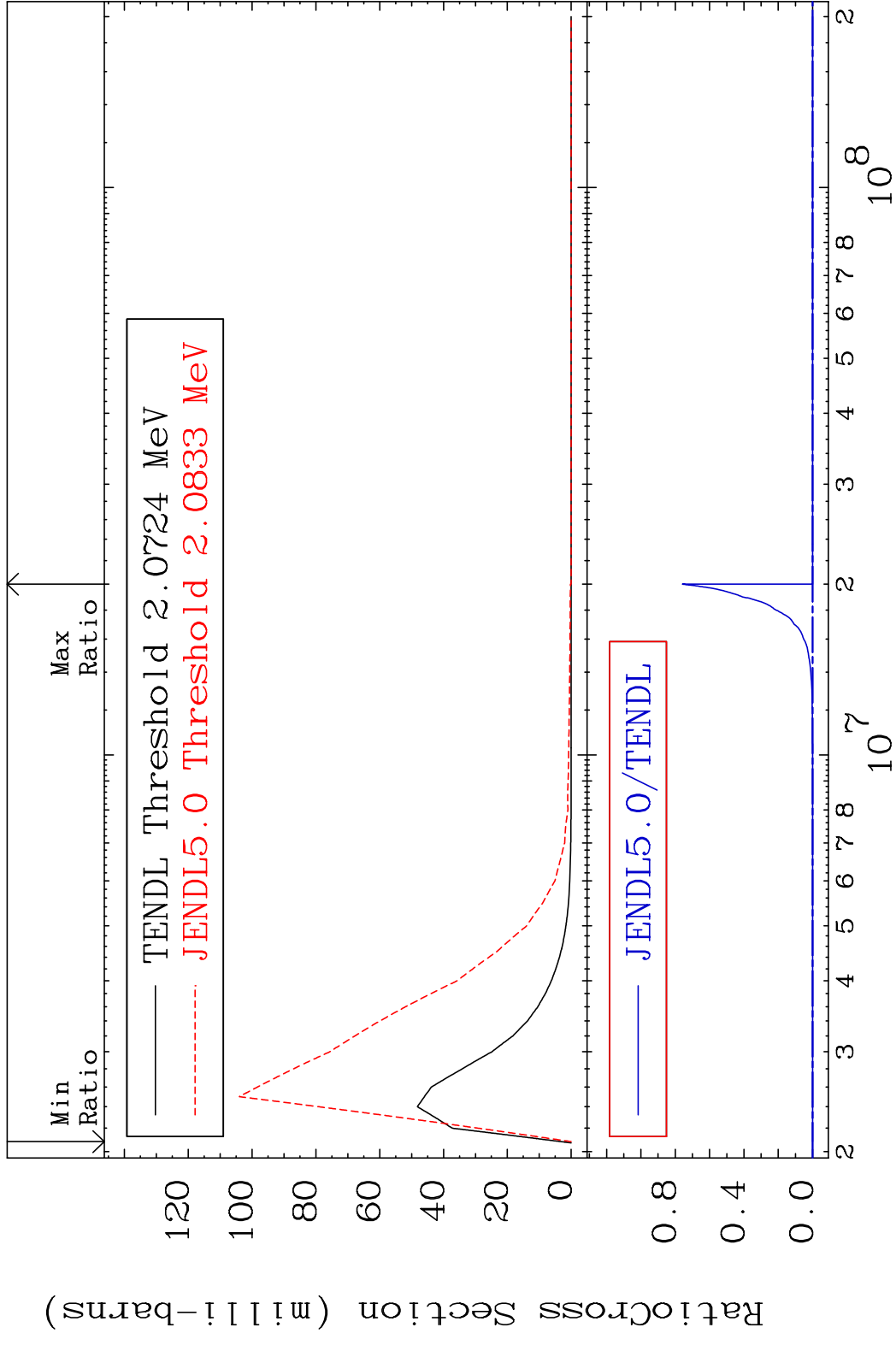
MAT 4437 MT= 57 (n,n') Level 44-Ru-100
 Cross Section -100.0 To 96.20 %



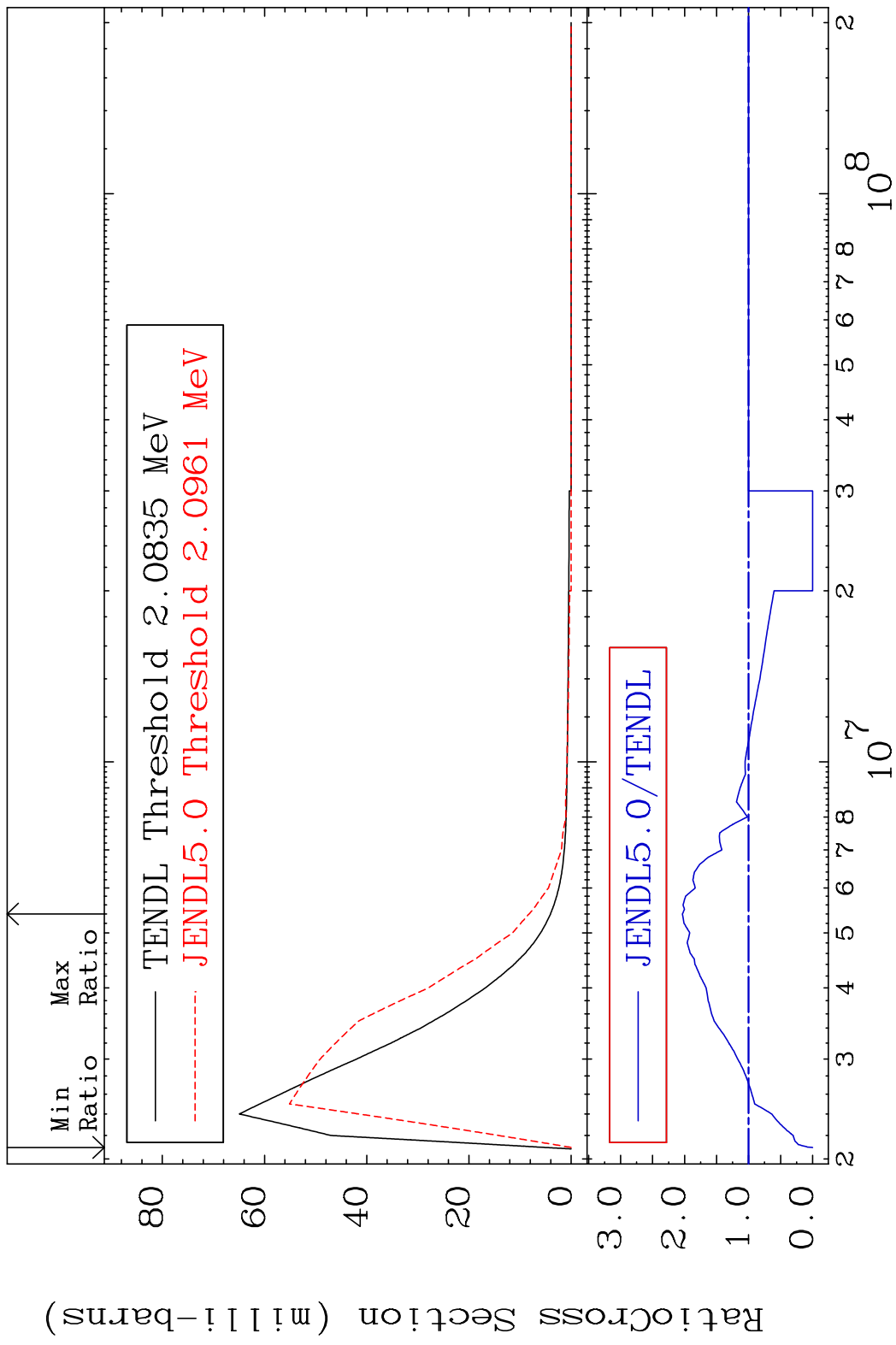
MAT 4437 MT= 58 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



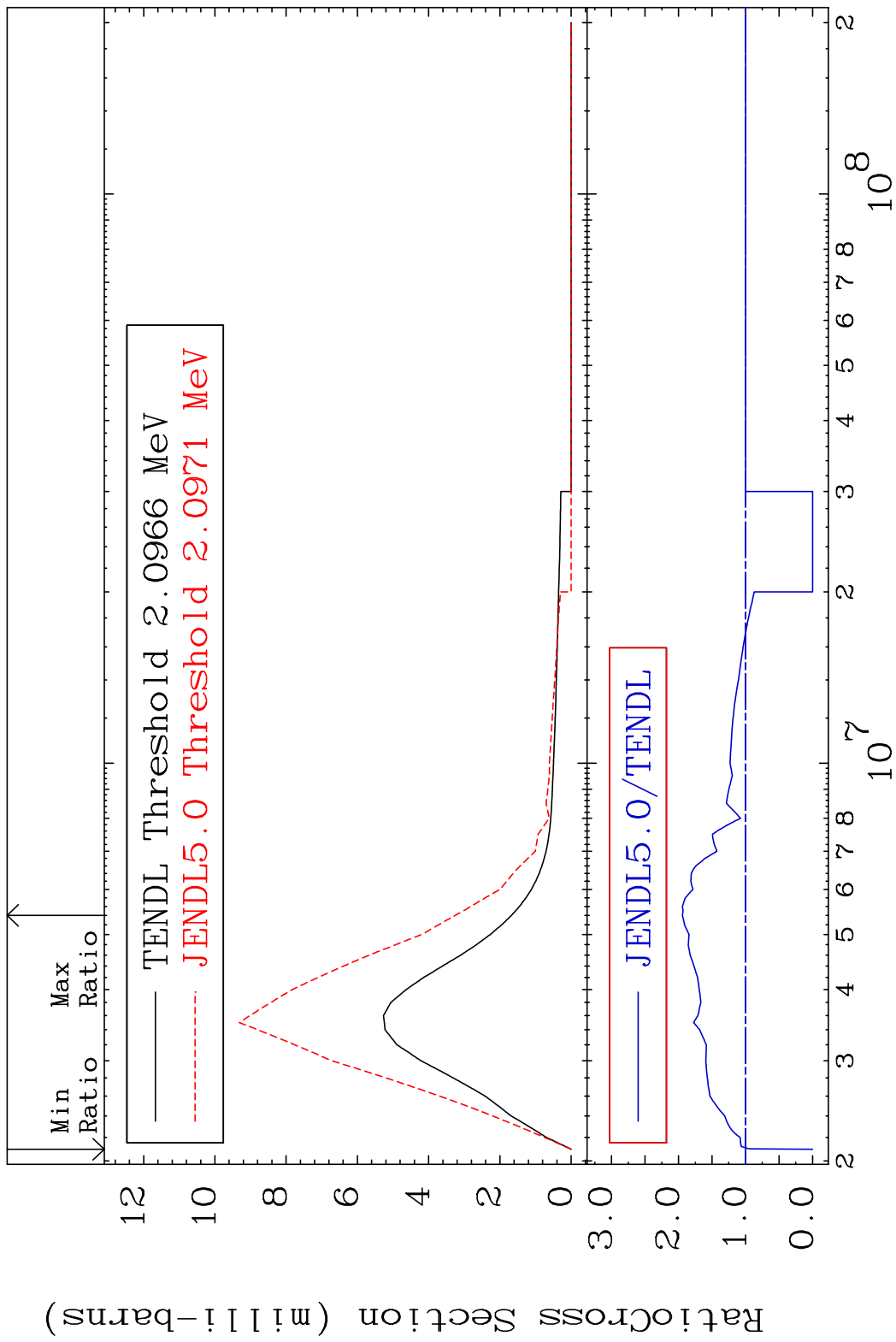
MAT 4437 MT= 59 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



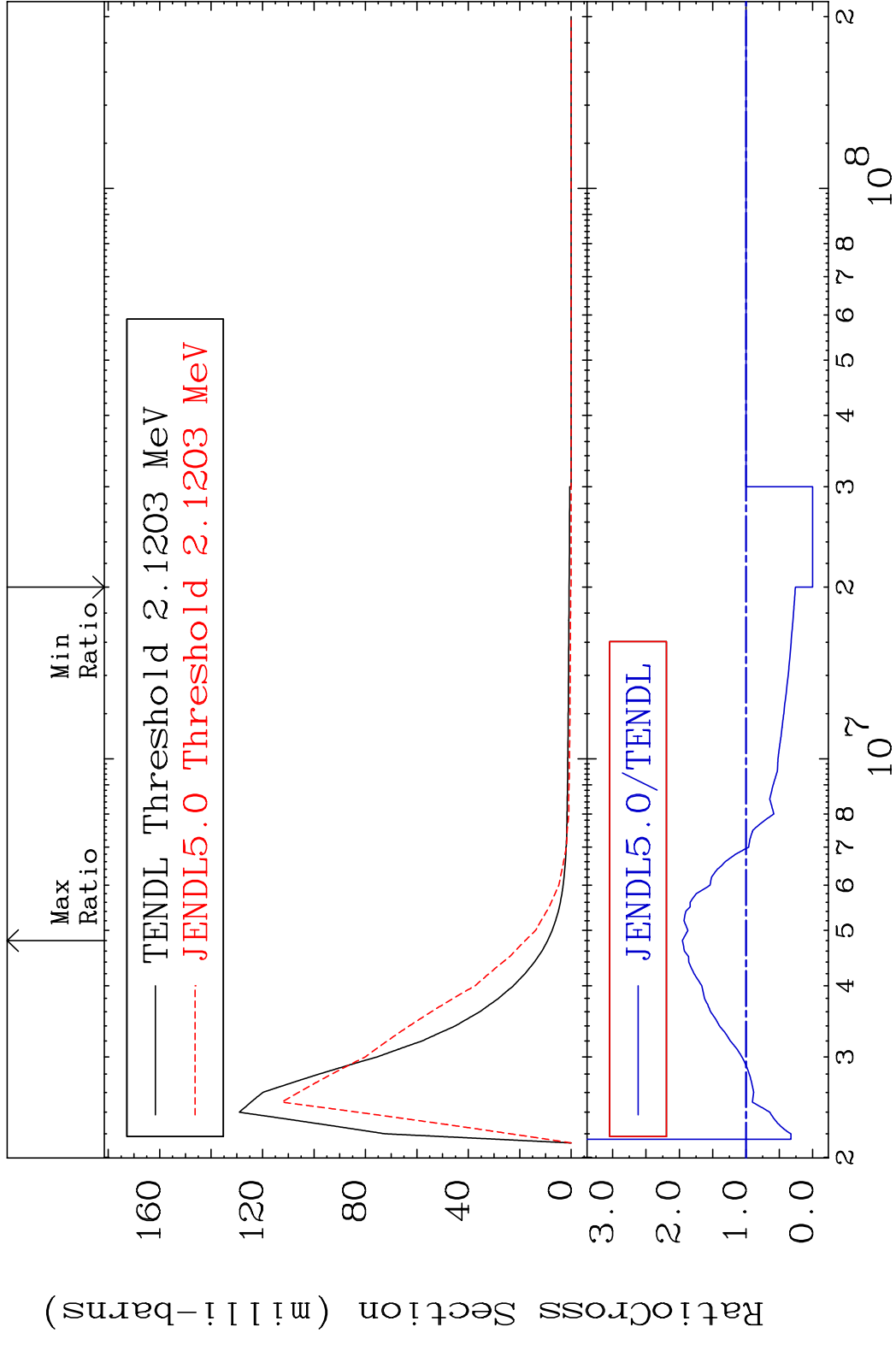
MAT 4437 MT= 60 (n,n') Level 44-Ru-100
 Cross Section -100.0 To 103.5 %



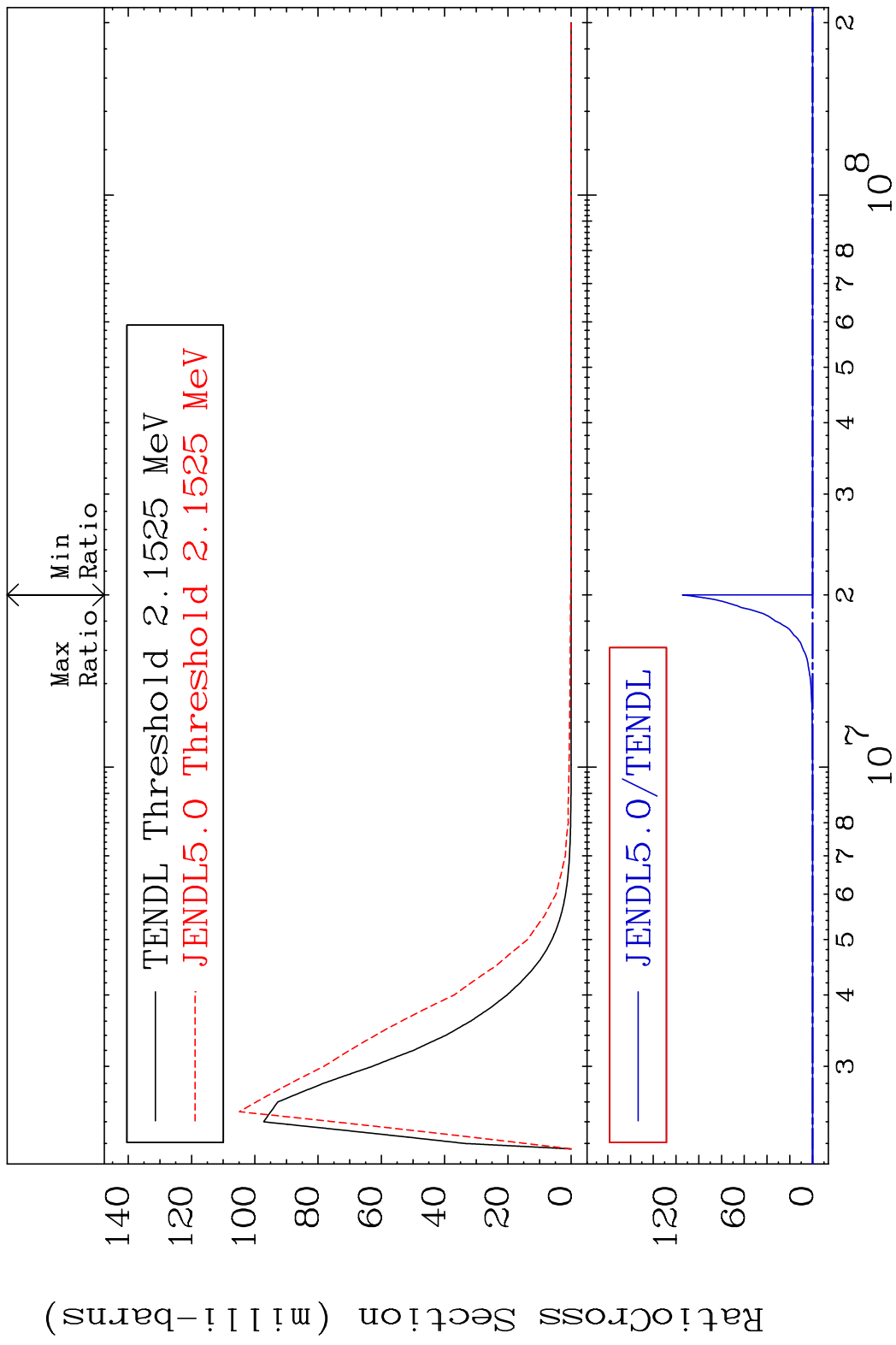
MAT 4437 MT= 61 (n,n') Level 44-Ru-100
 Cross Section -100.0 To 94.29 %



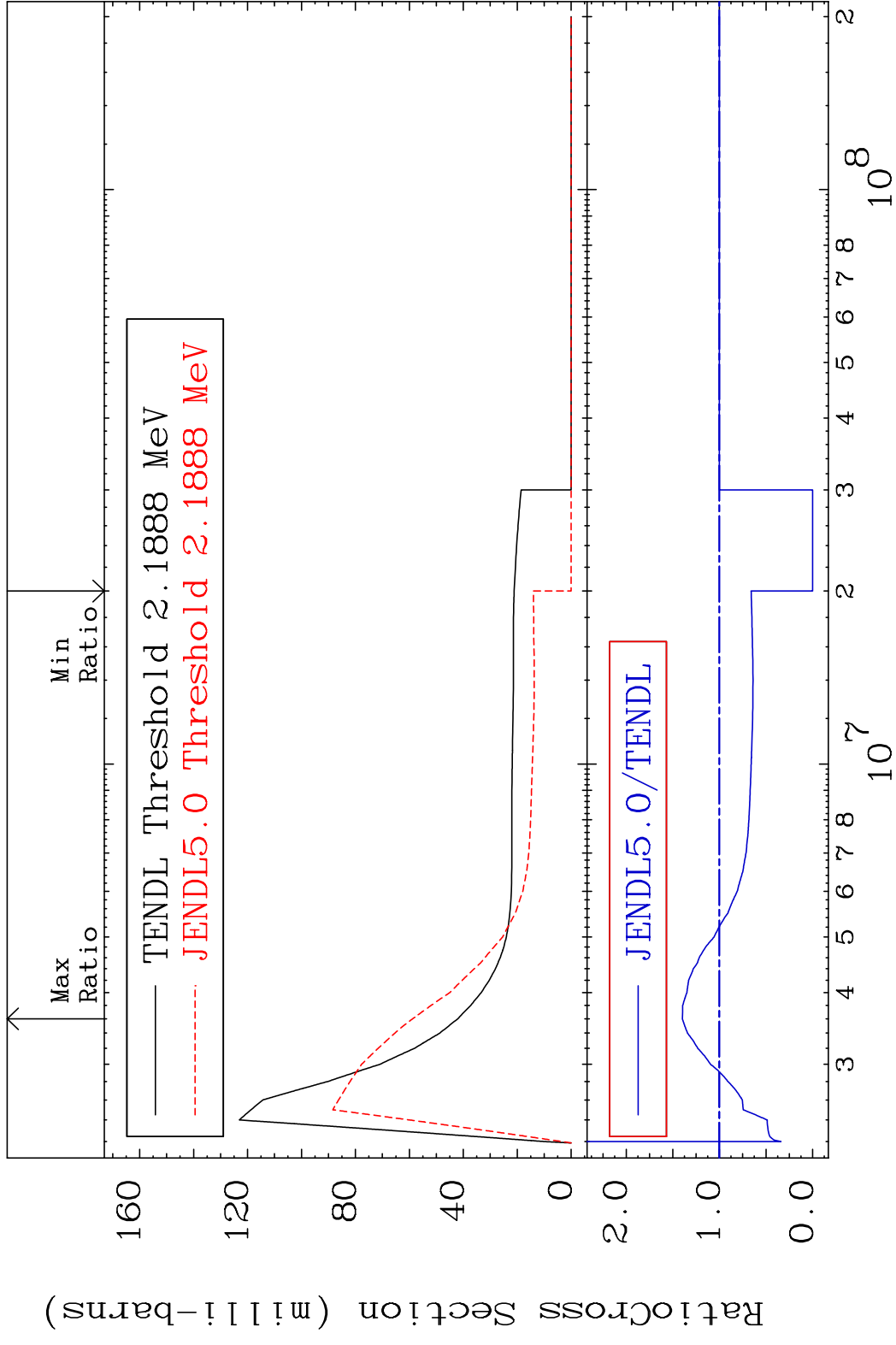
MAT 4437 MT= 62 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 95.44 %



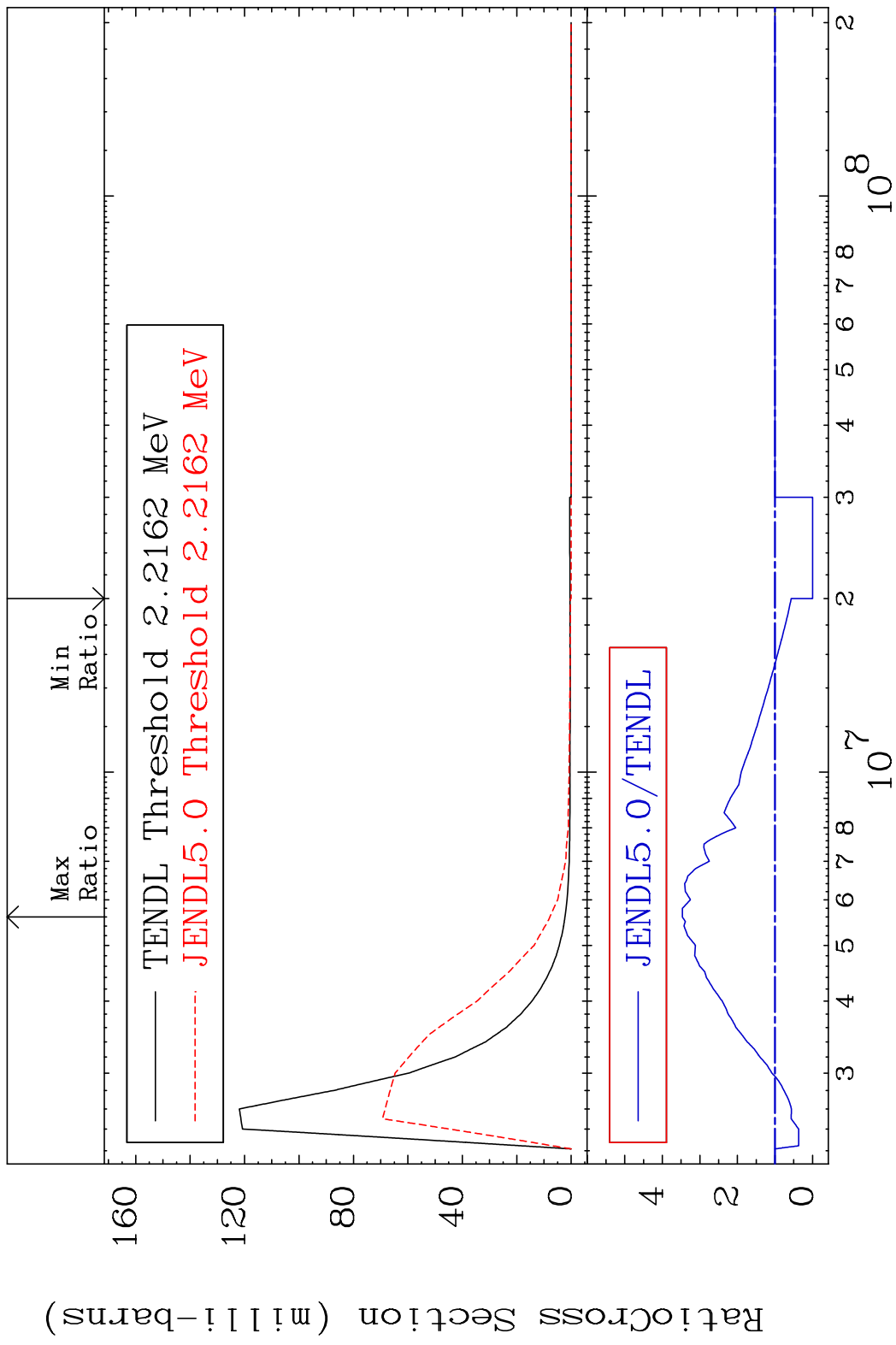
MAT 4437 MT= 63 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



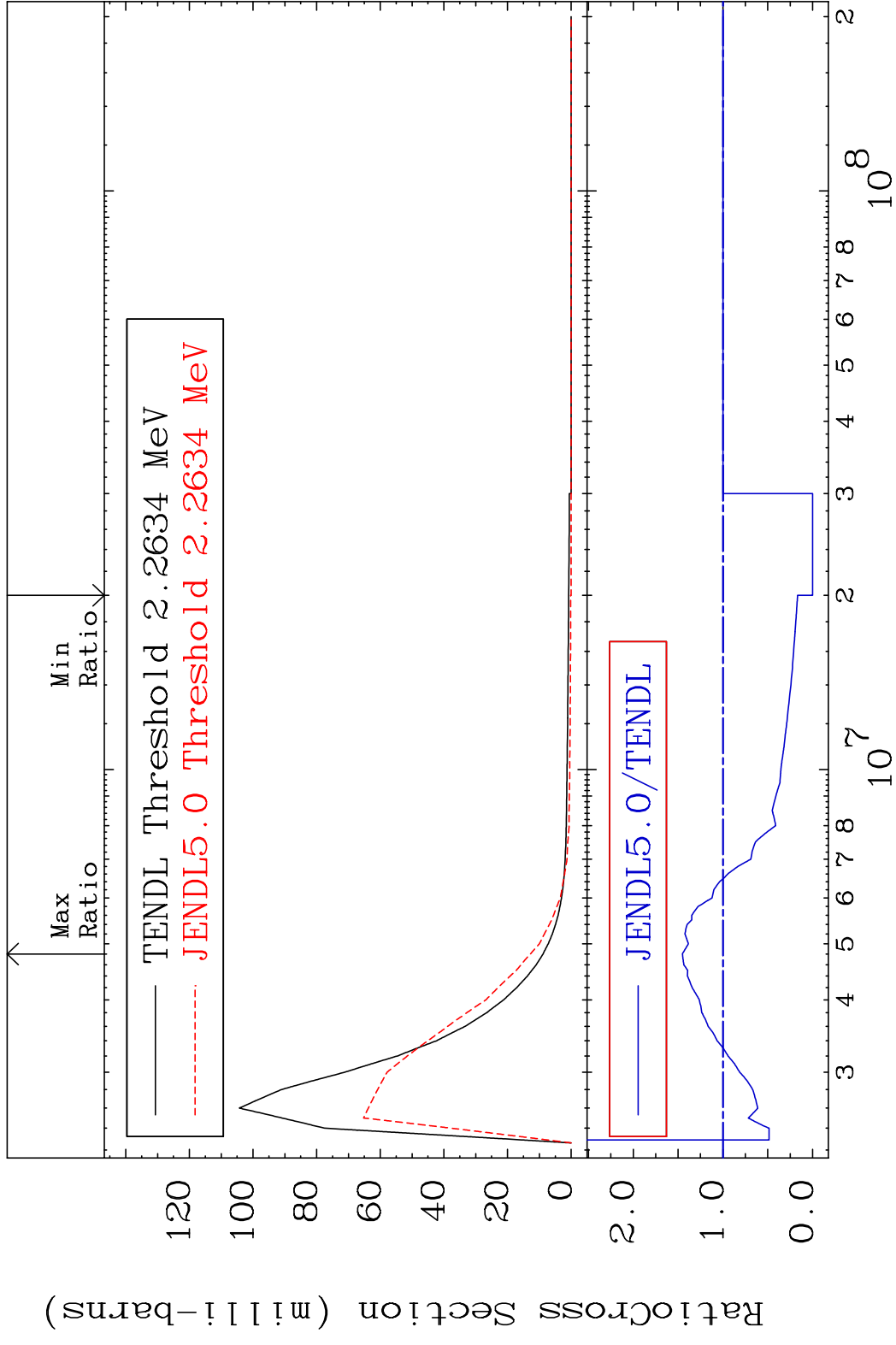
MAT 4437 MT= 64 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 39.75 %



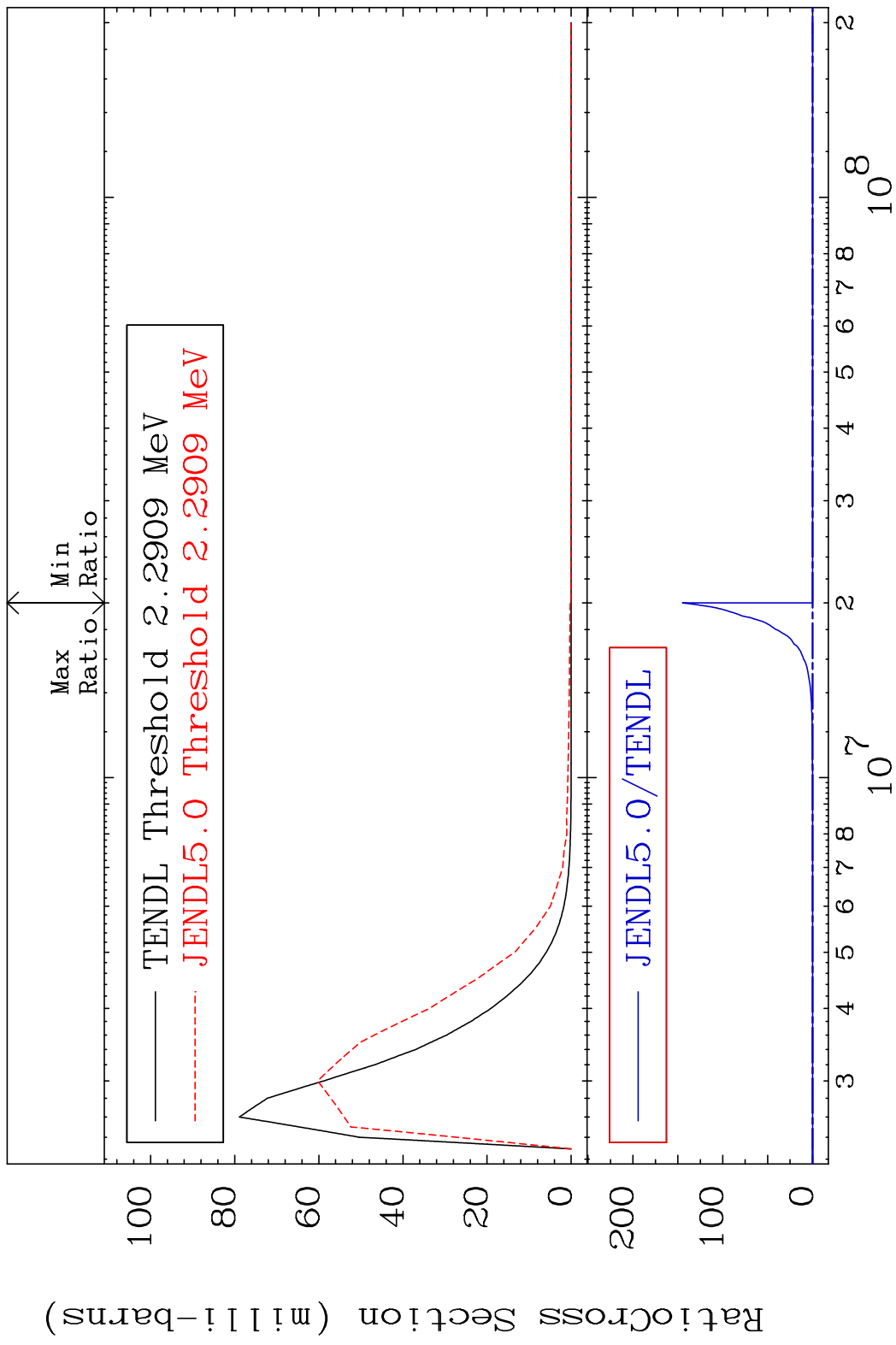
MAT 4437 MT= 65 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 246.6 %



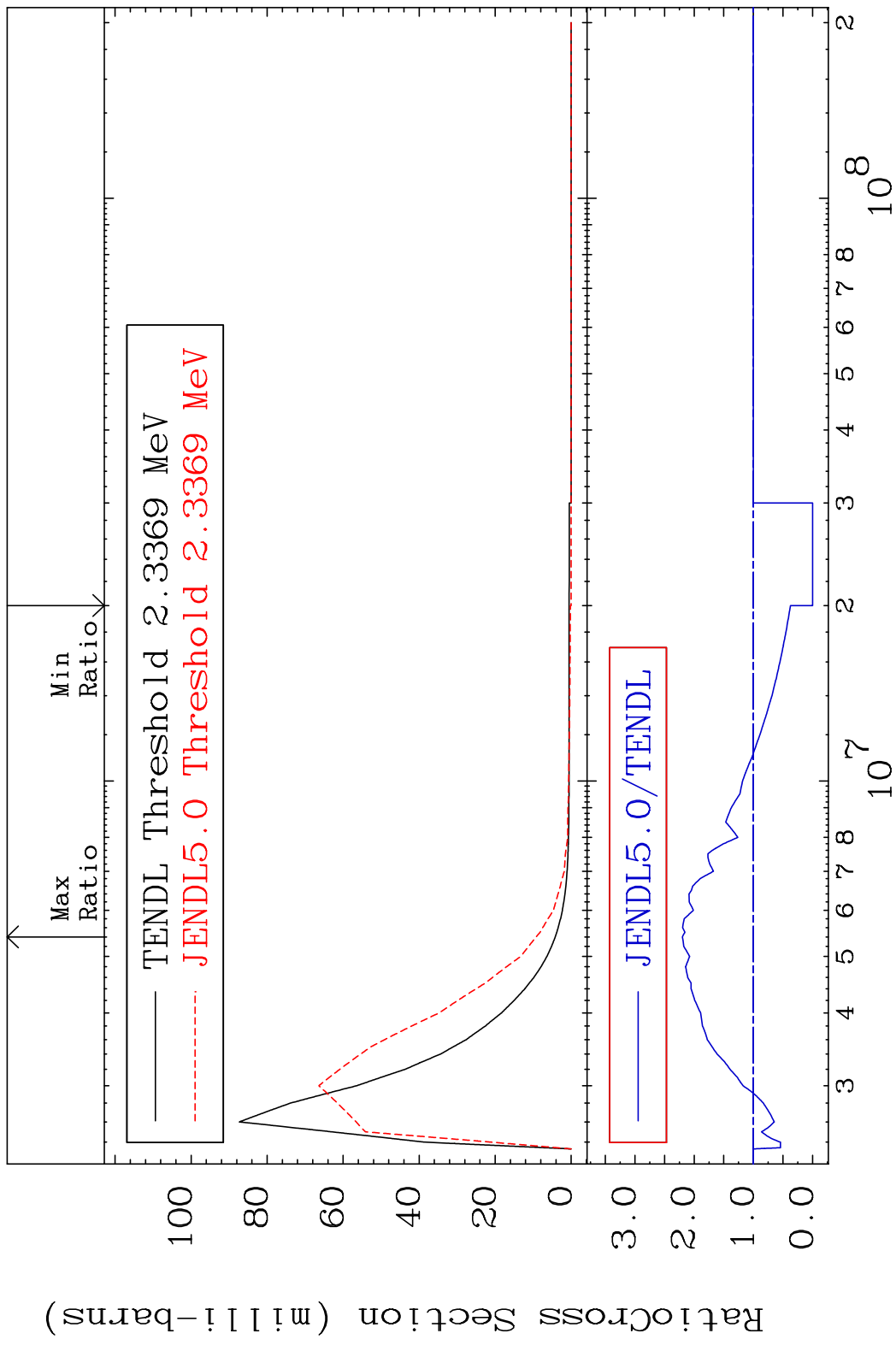
MAT 4437 MT= 66 (n,n') Level 44-Ru-100
 Cross Section -100.0 To 45.24 %



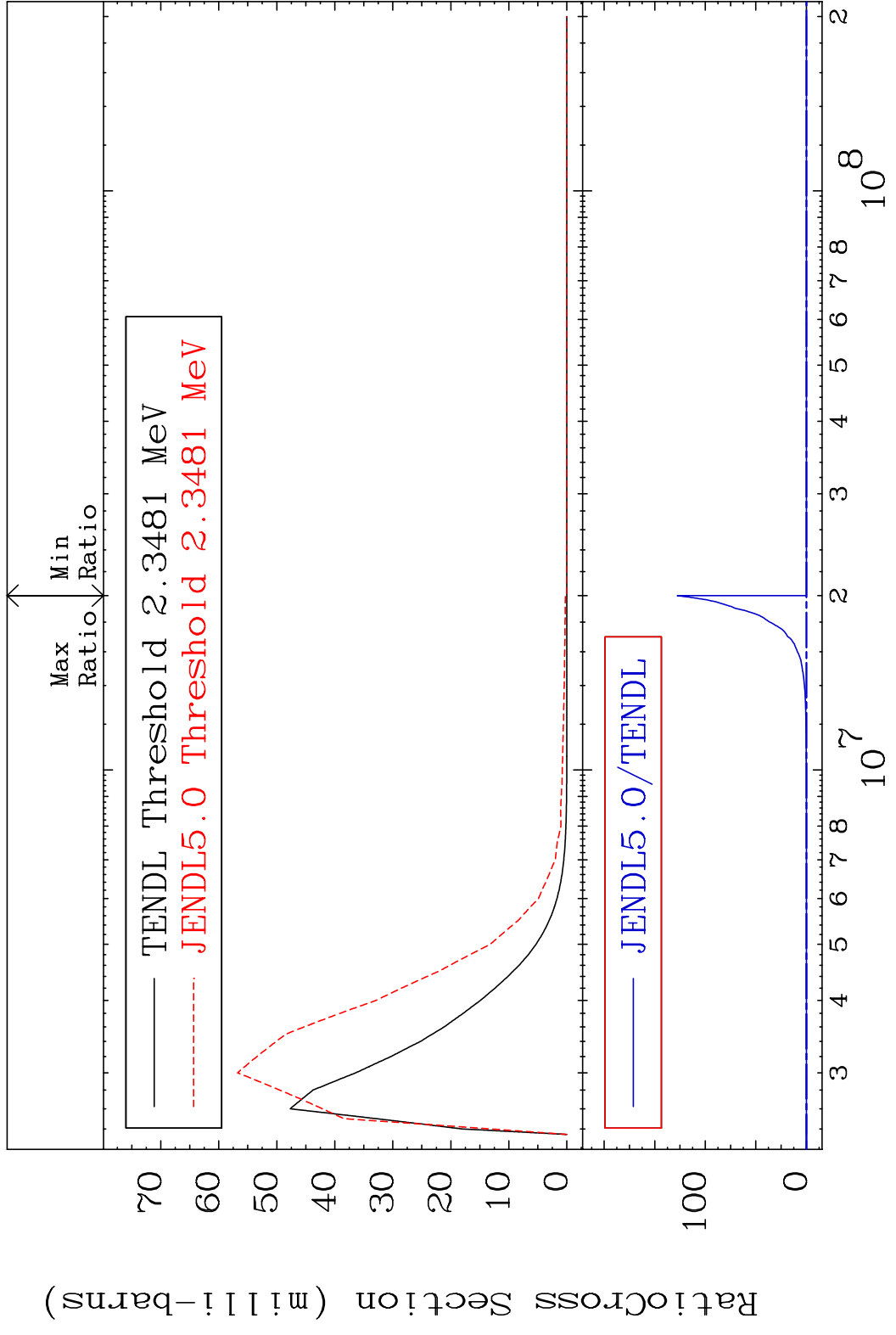
MAT 4437 MT= 67 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



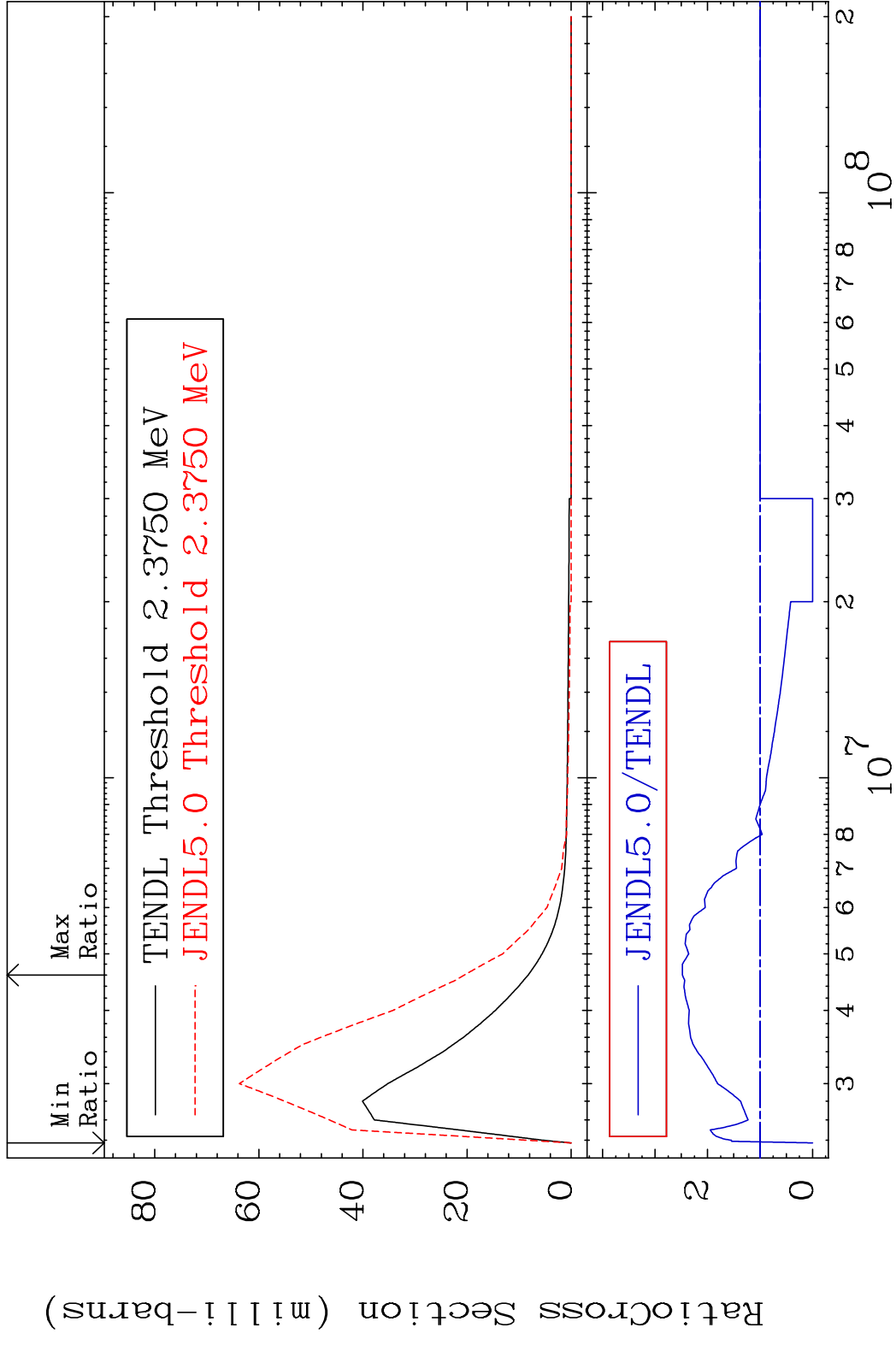
MAT 4437 MT= 68 (n,n') Level 44-Ru-100
 Cross Section -100.0 To 119.9 %



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 148.0 %

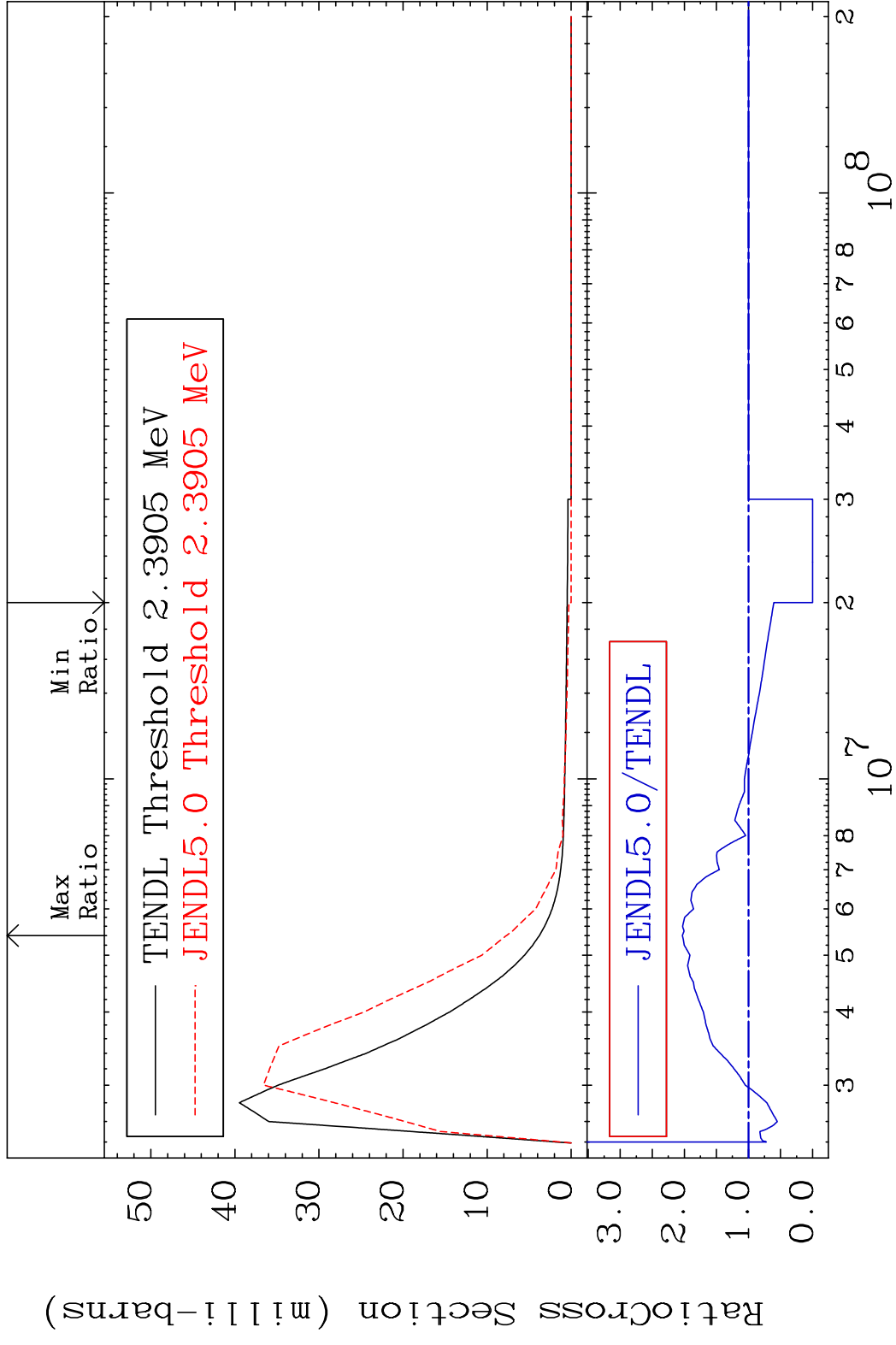


MAT 4437

MT= 71 (n, n') Level

44-Ru-100

Cross Section -100.0 To 103.1 %

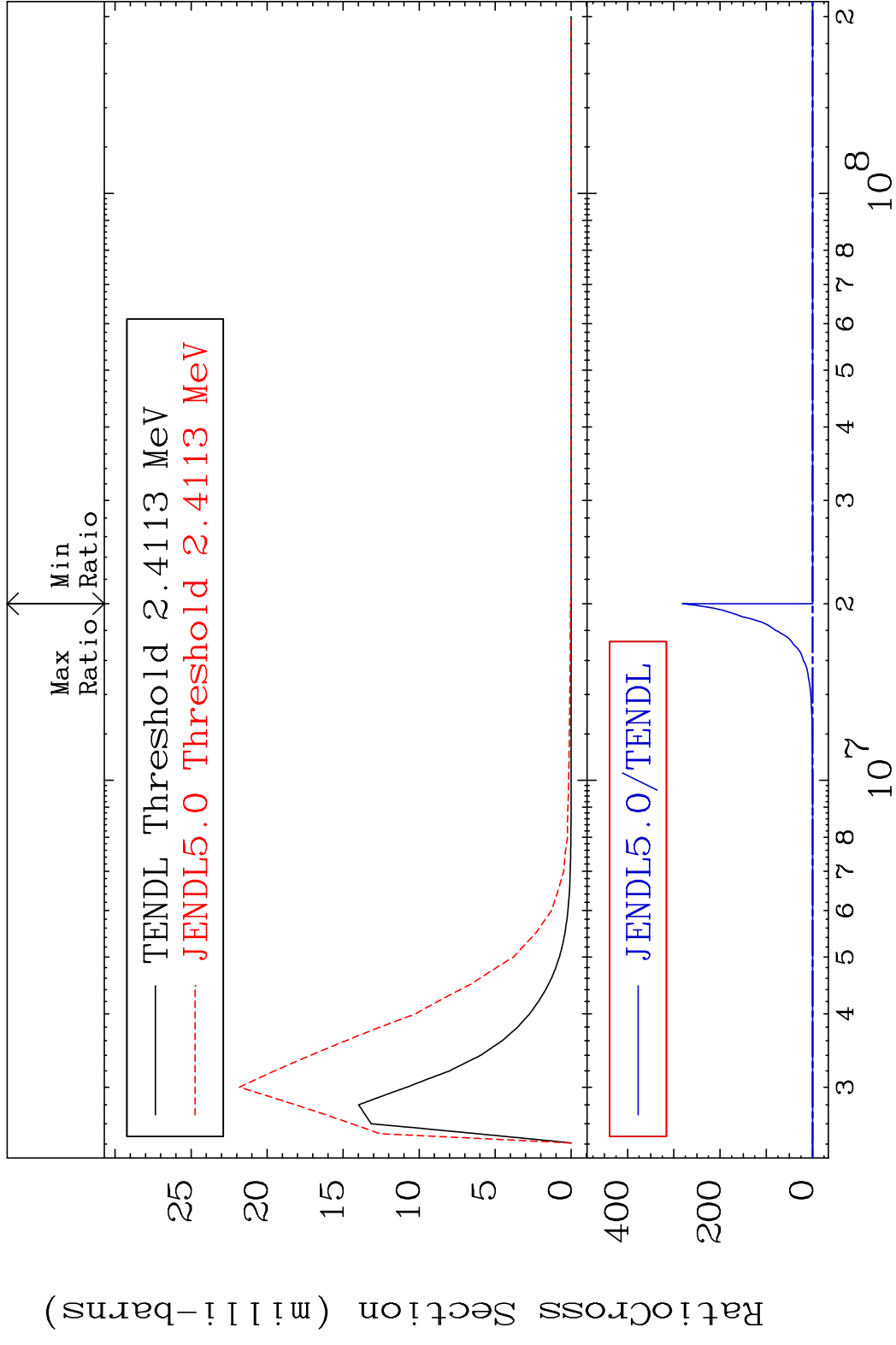


30

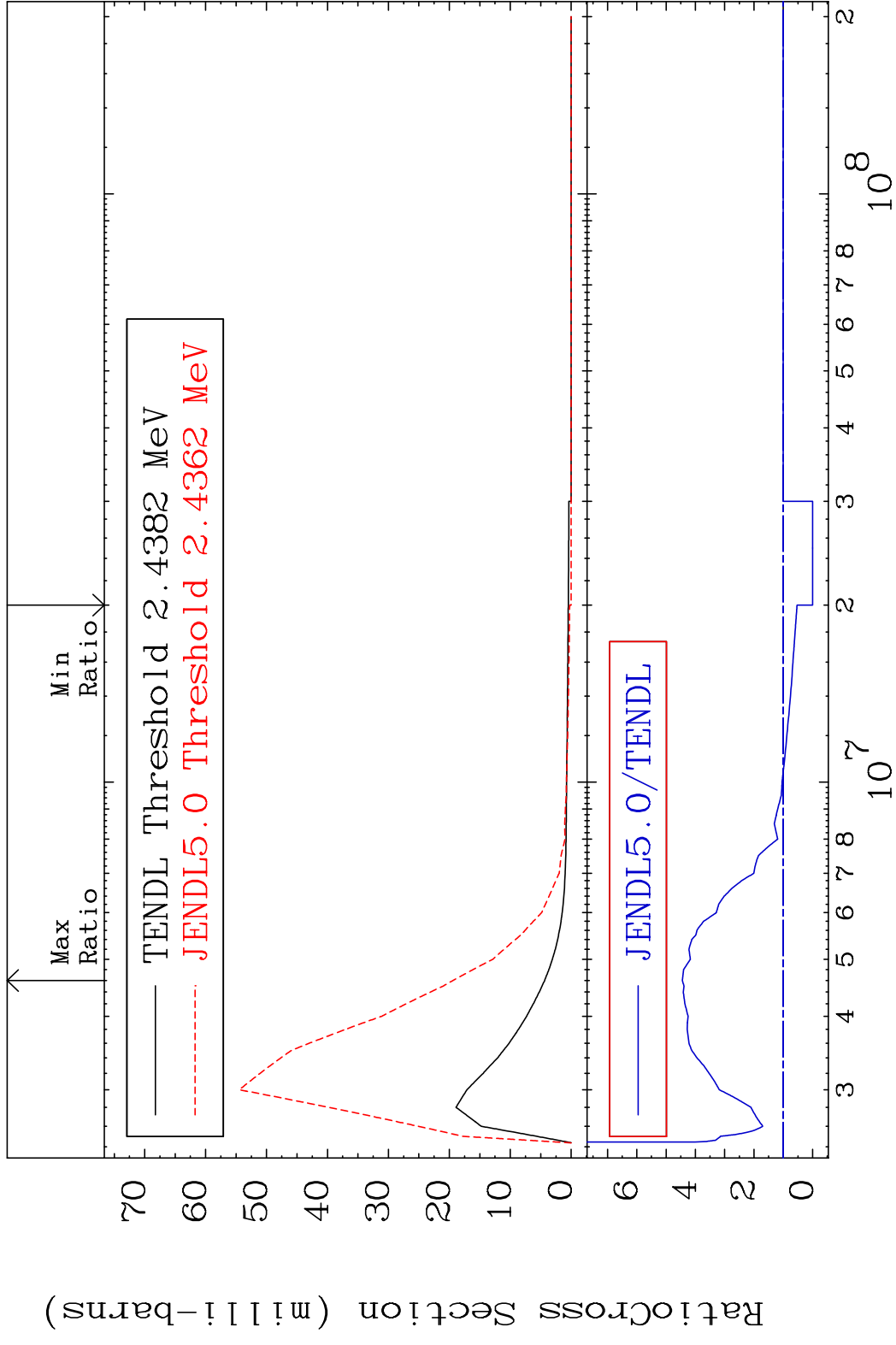
Incident Energy (eV)

44-Ru-100

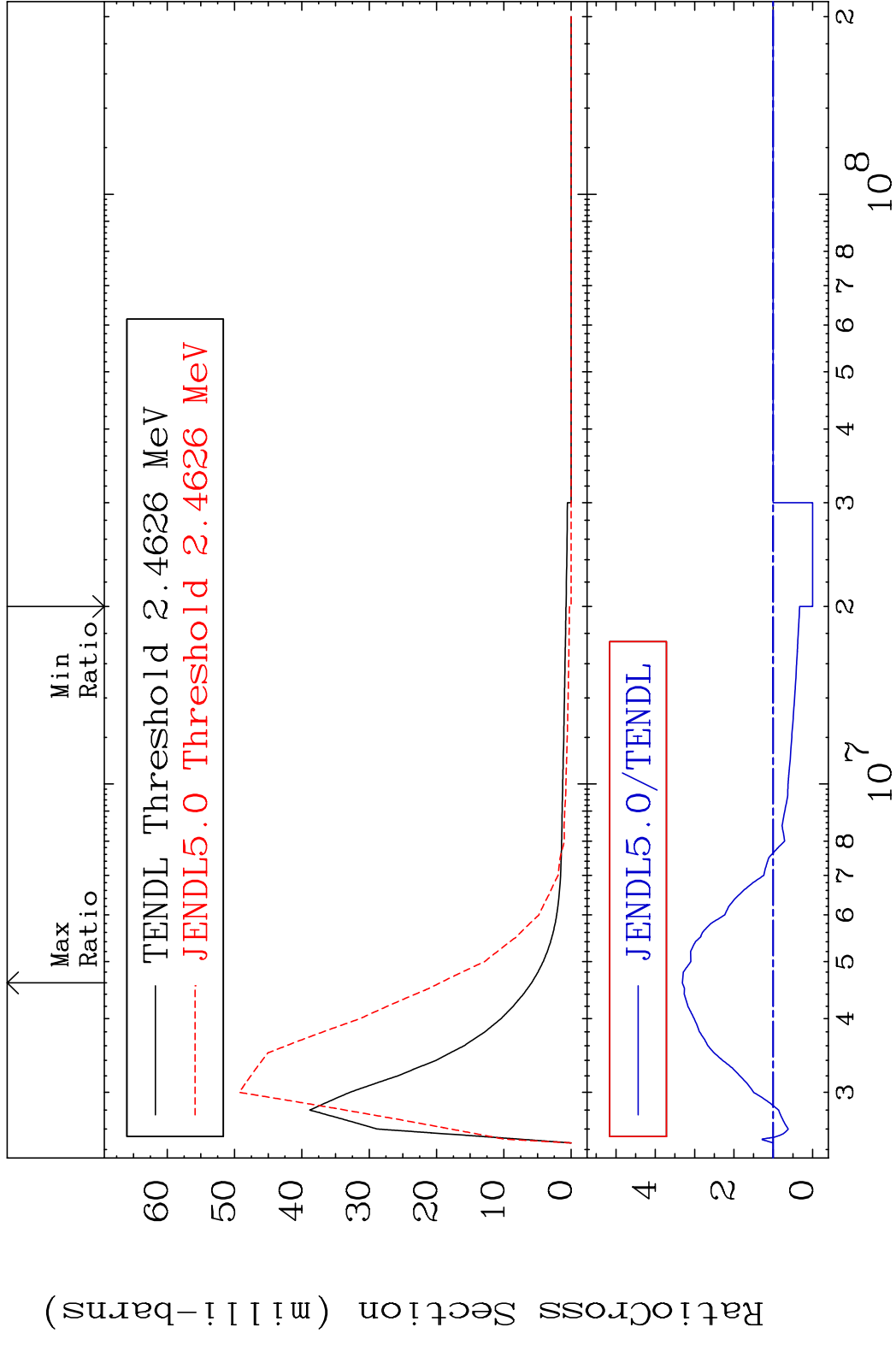
MAT 4437 MT= 72 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



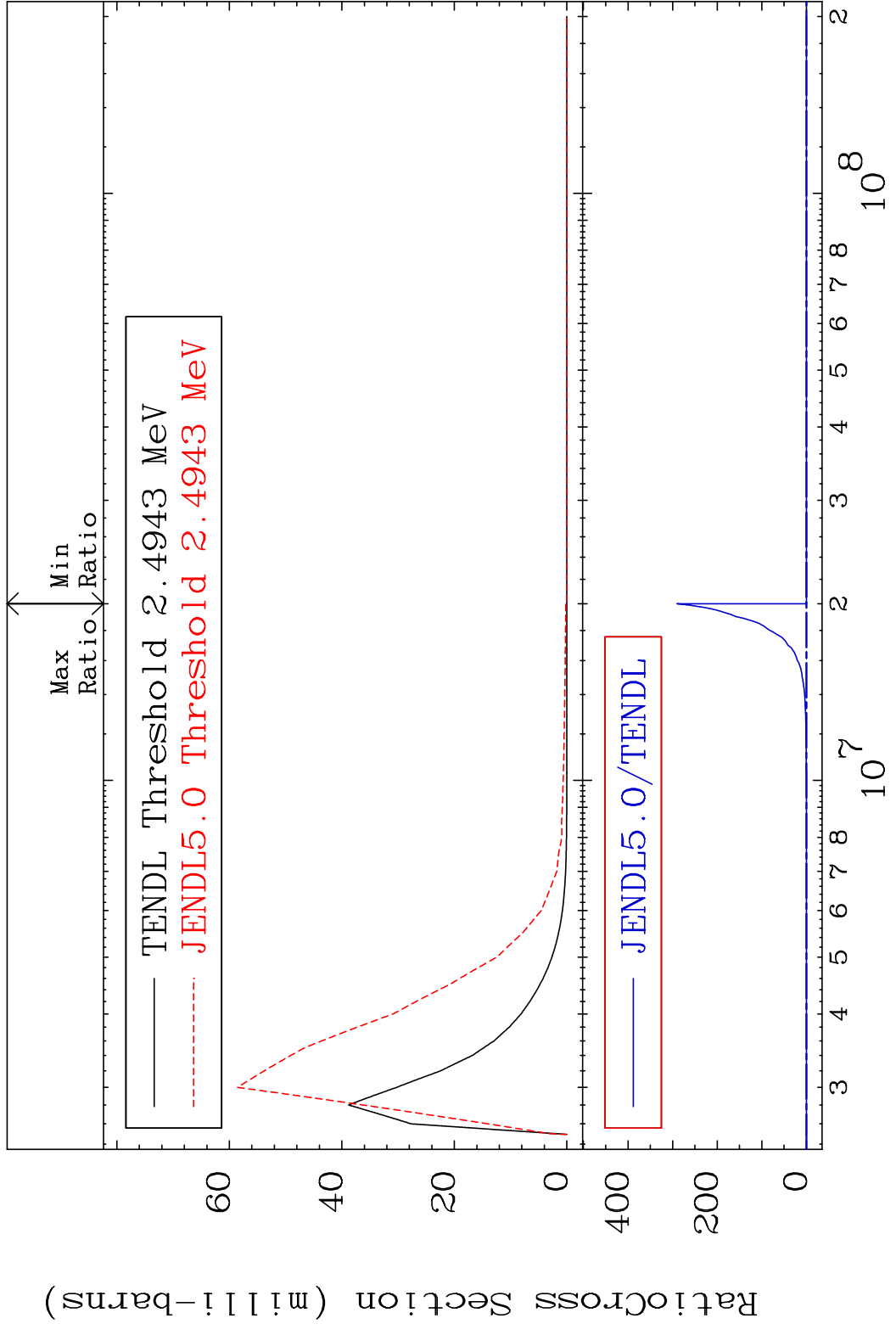
MAT 4437 MT= 73 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 344.5 %



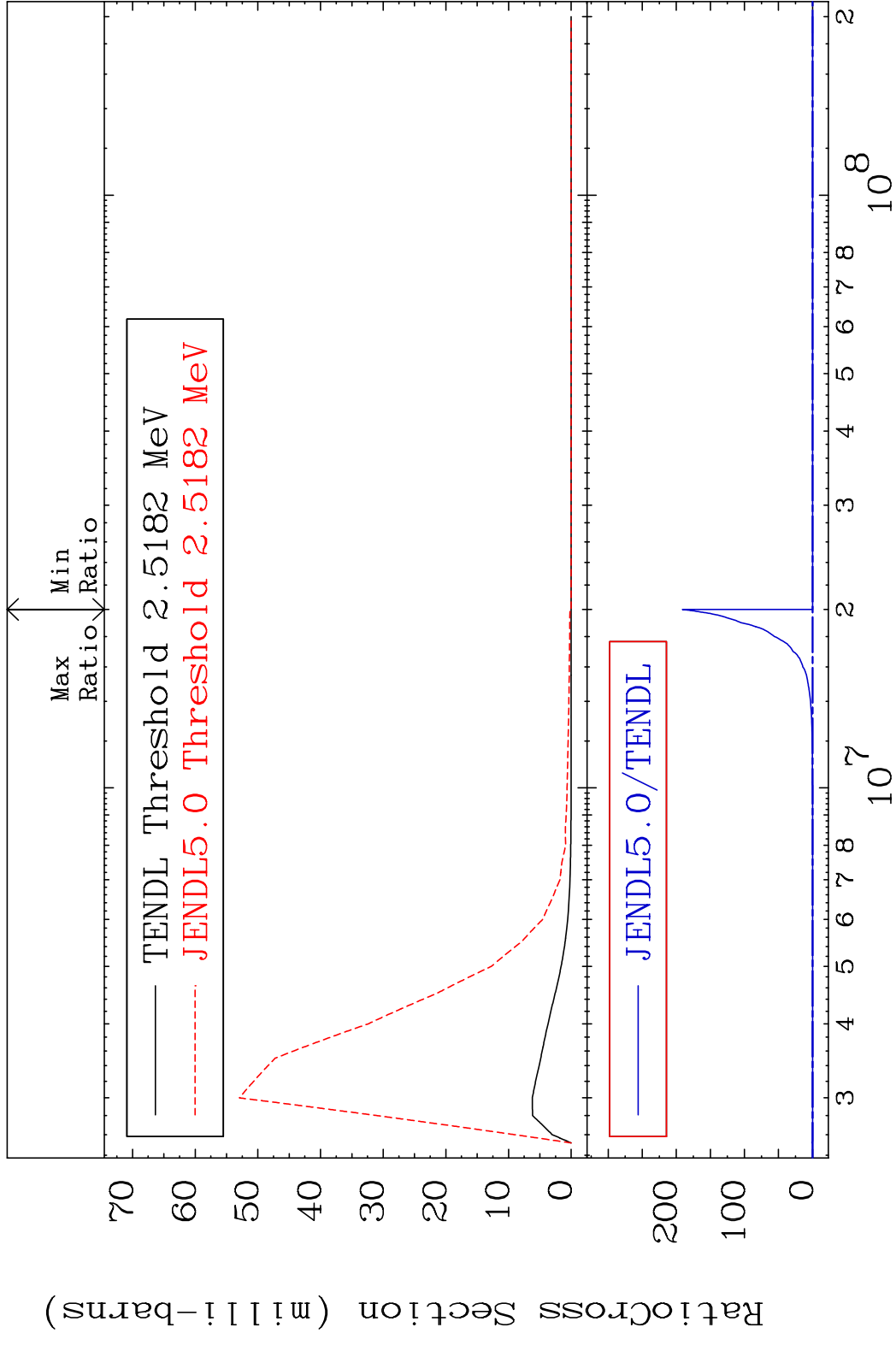
MAT 4437 MT= 74 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 231.1 %



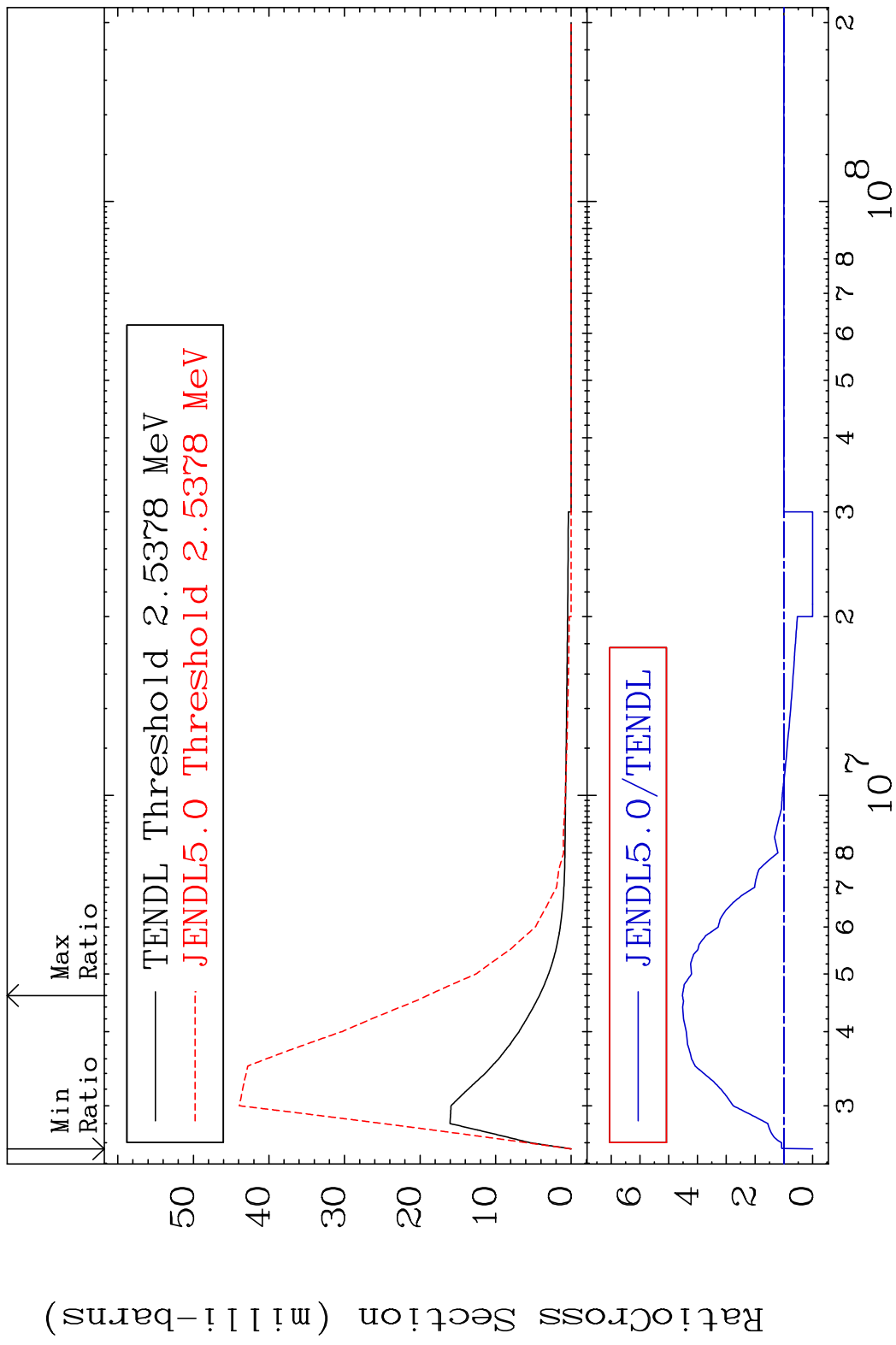
MAT 4437 MT= 75 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



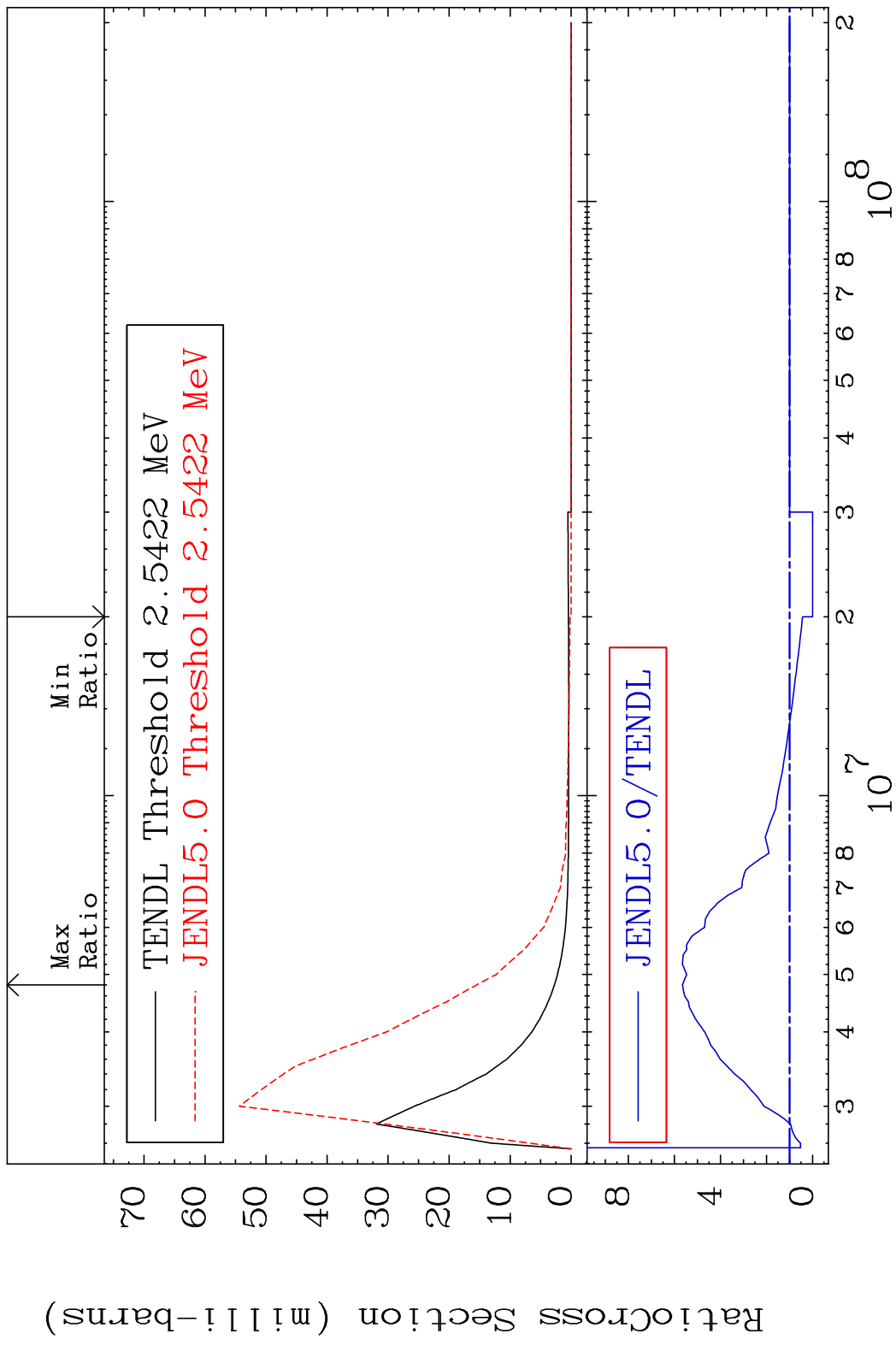
MAT 4437 MT= 76 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 9999. %



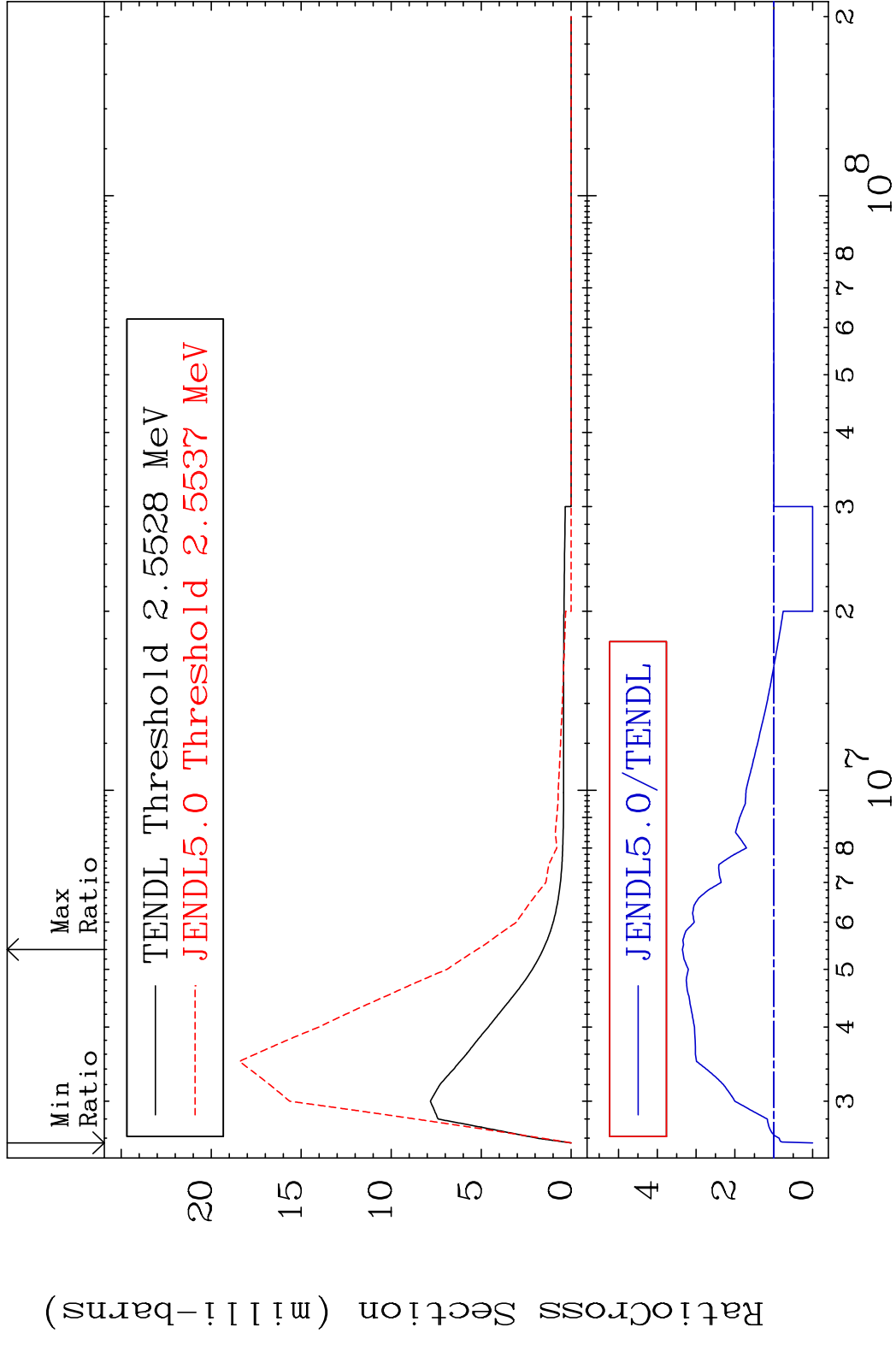
MAT 4437 MT= 77 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 352.7 %



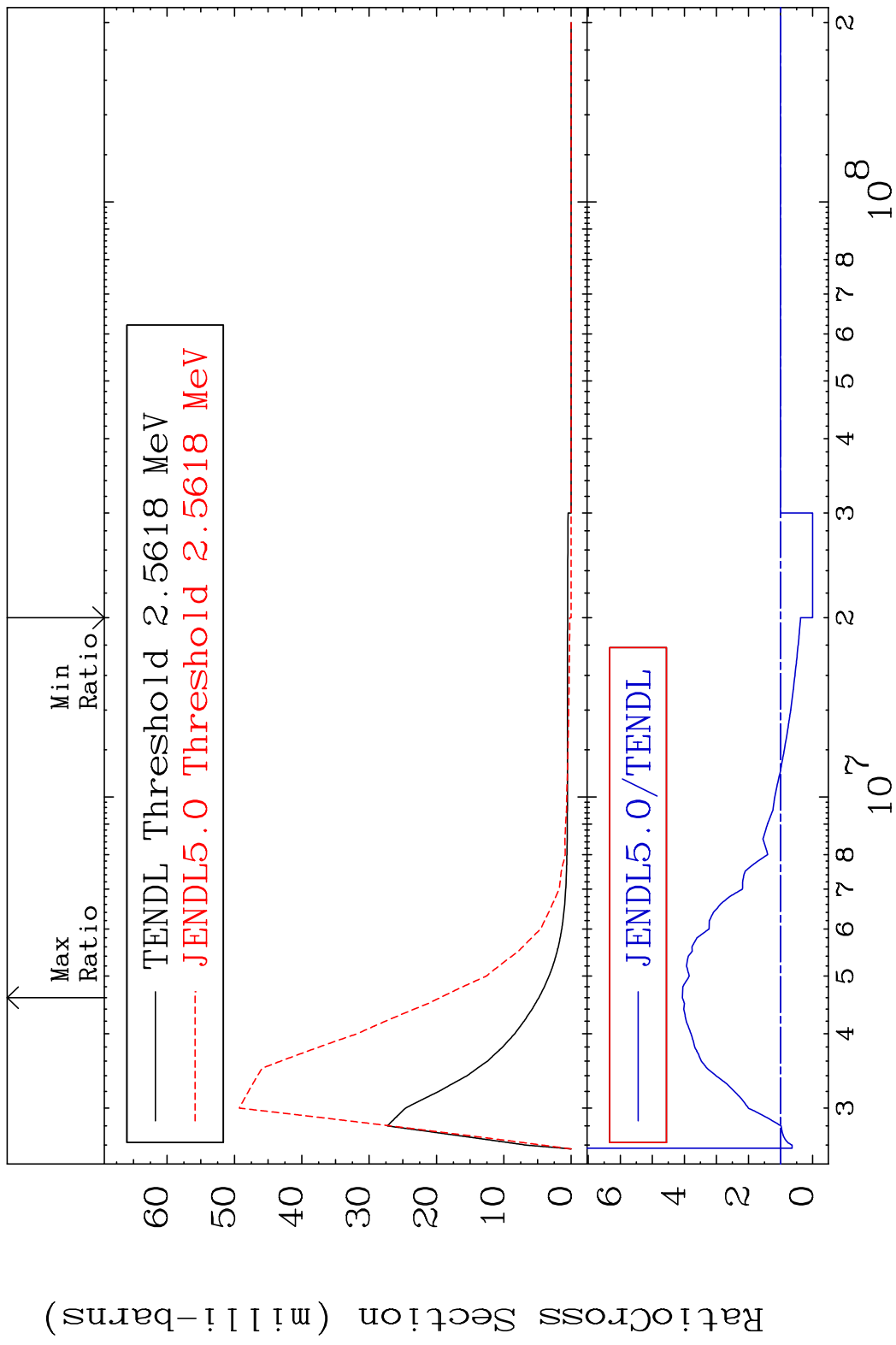
MAT 4437 MT= 78 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 465.7 %



MAT 4437 MT= 79 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 235.5 %



MAT 4437 MT= 80 (n, n') Level 44-Ru-100
 Cross Section -100.0 To 306.2 %

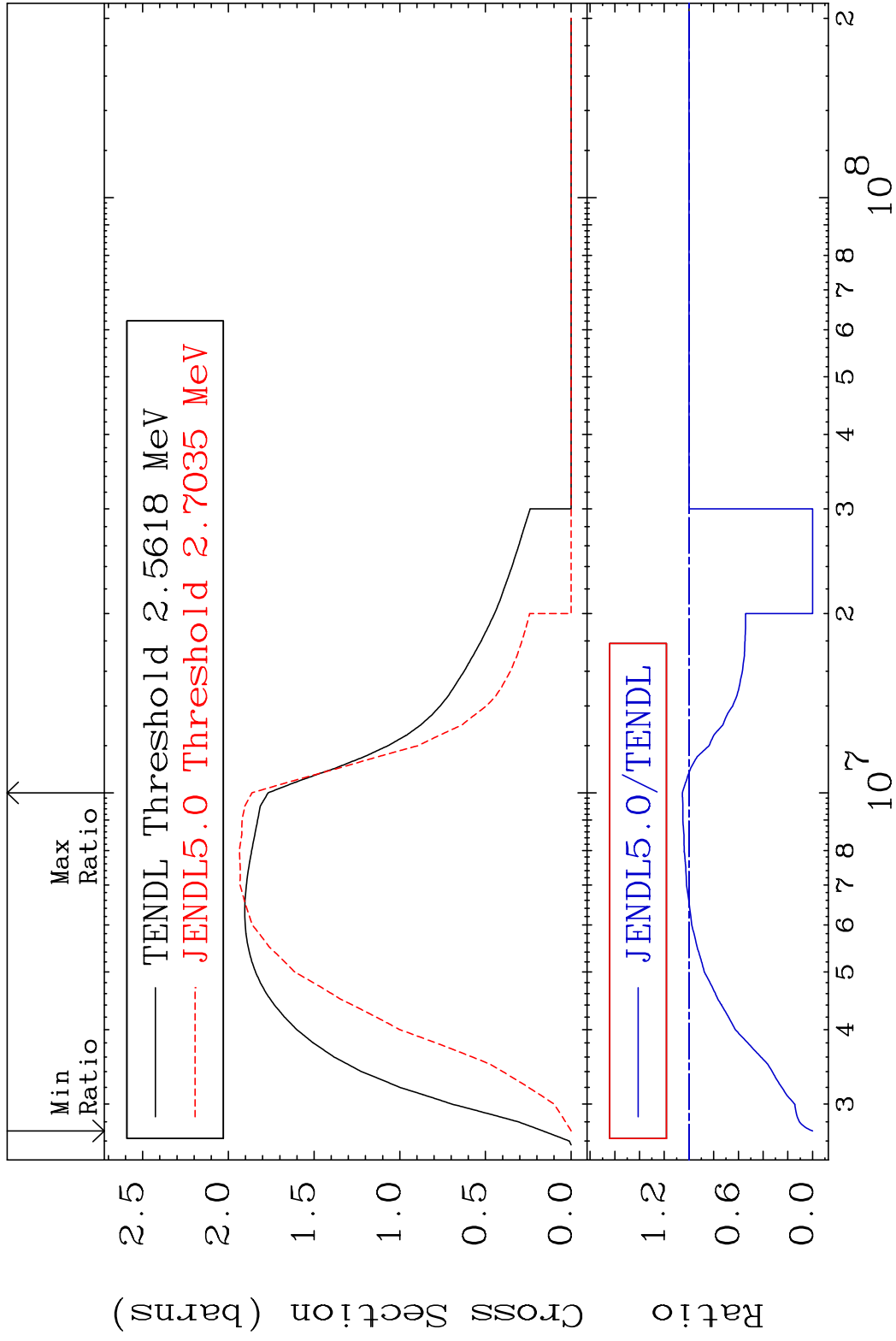


MAT 4437

(n,n') Continuum

44-Ru-100

Cross Section -100.0 To 5.353 %



40

Incident Energy (eV)

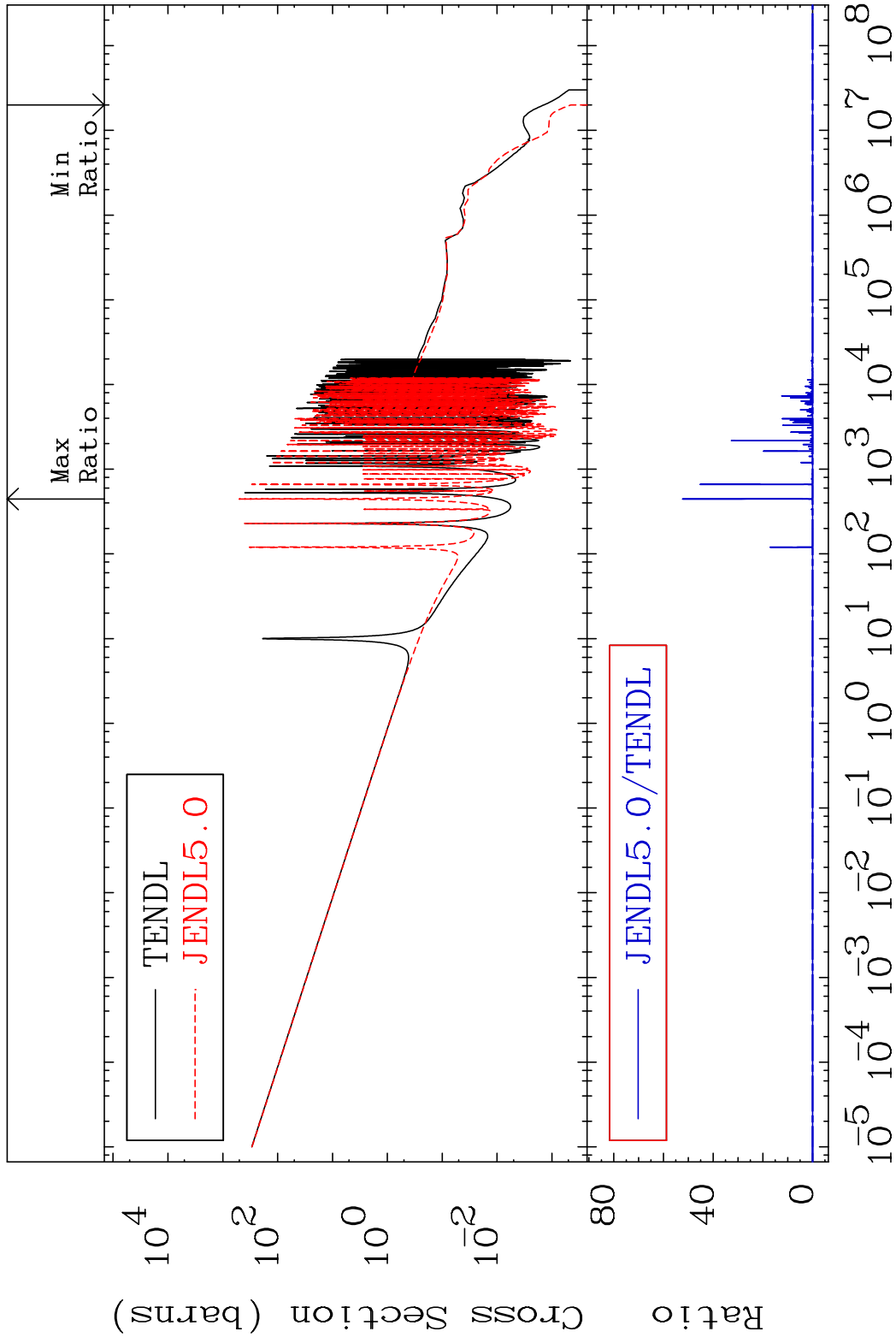
44-Ru-100

MAT 4437

(n, γ)

44-Ru-100

Cross Section -100.0 To 9999. %

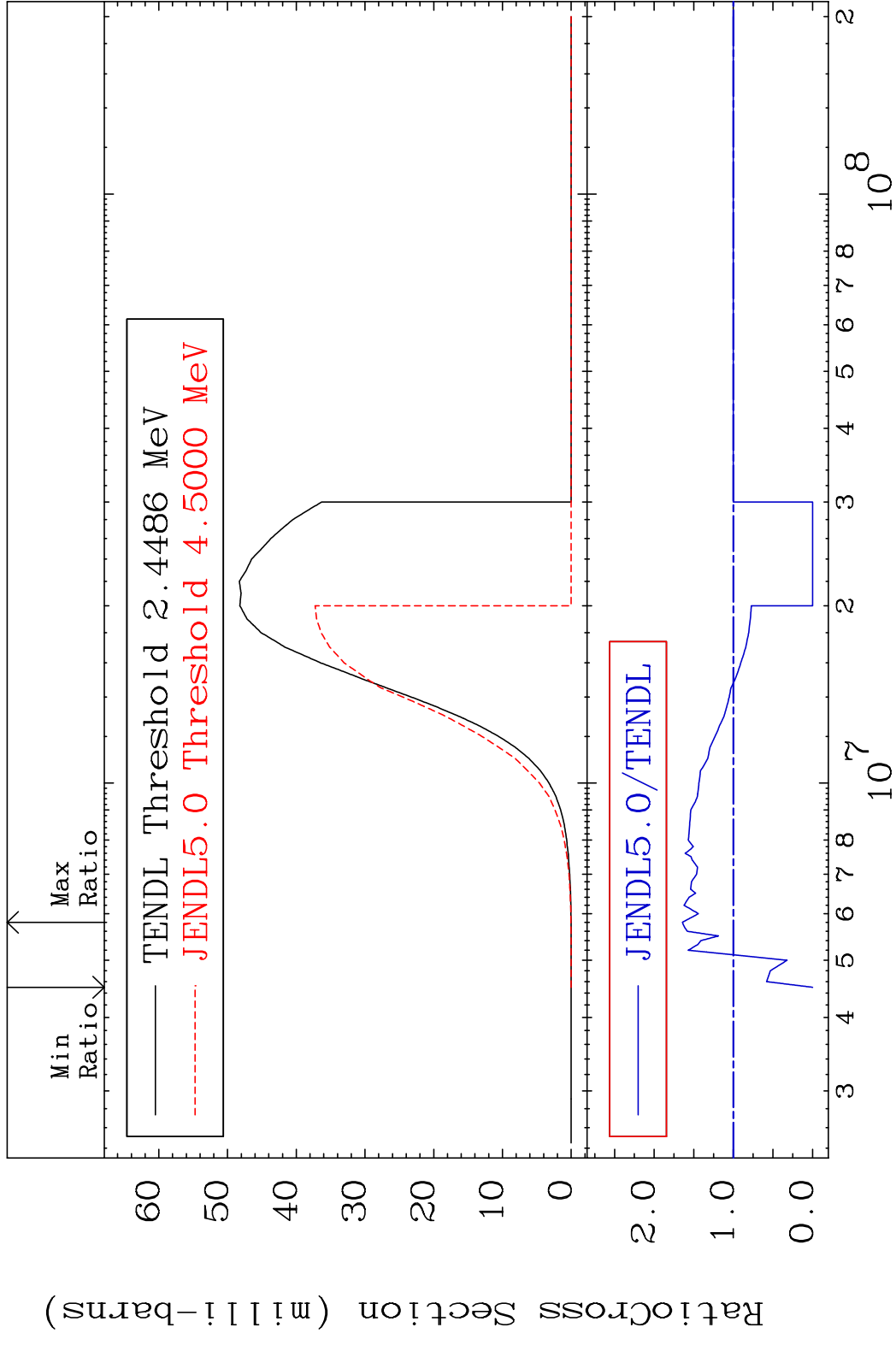


41

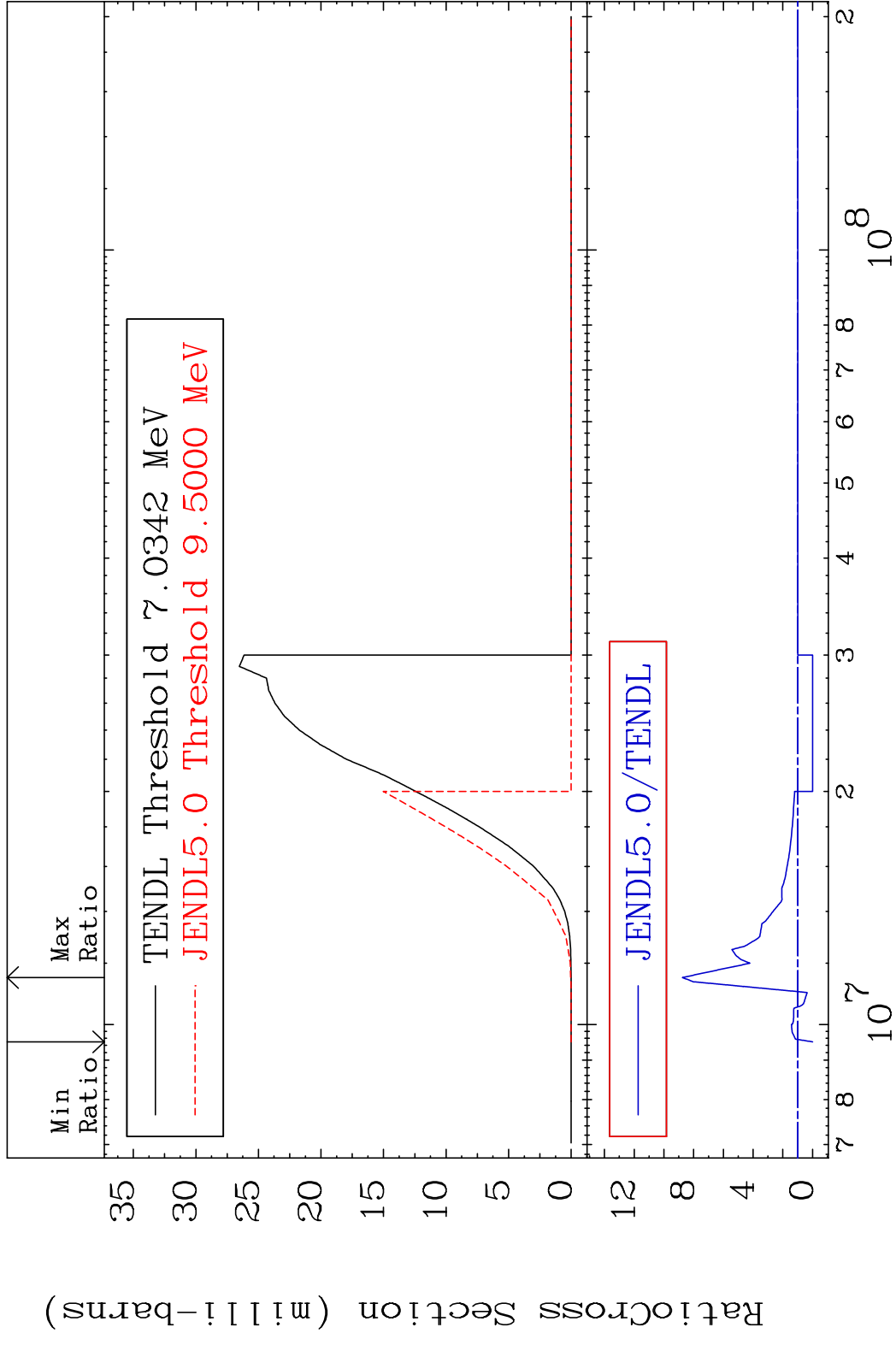
Incident Energy (eV)

44-Ru-100

MAT 4437 (n,p) 44-Ru-100
 Cross Section -100.0 To 64.39 %



MAT 4437 (n,d) 44-Ru-100
 Cross Section -100.0 To 776.0 %



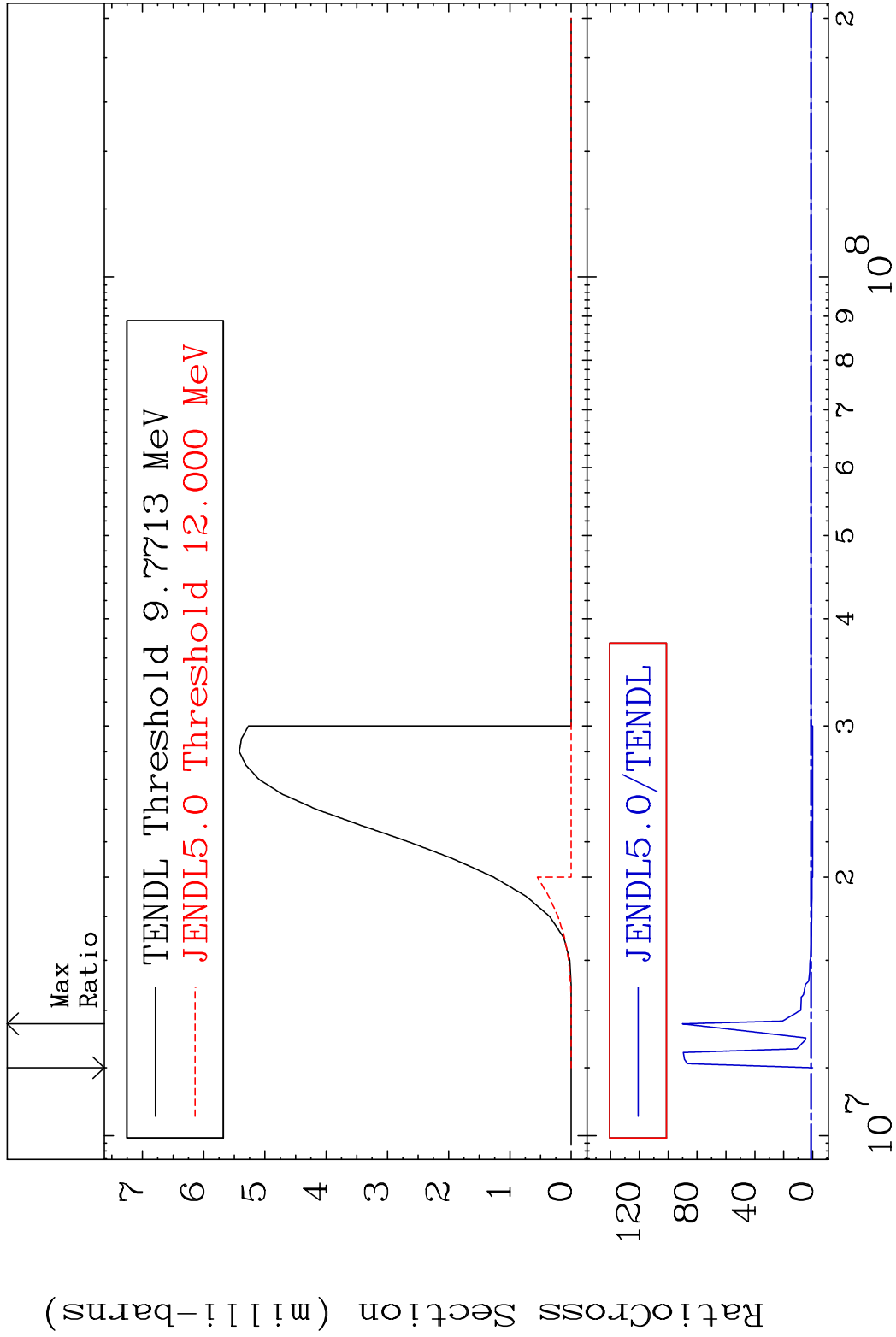
43 44-Ru-100

MAT 4437

(n, t)

44-Ru-100

Cross Section -100.0 To 8922. %



44

Incident Energy (eV)

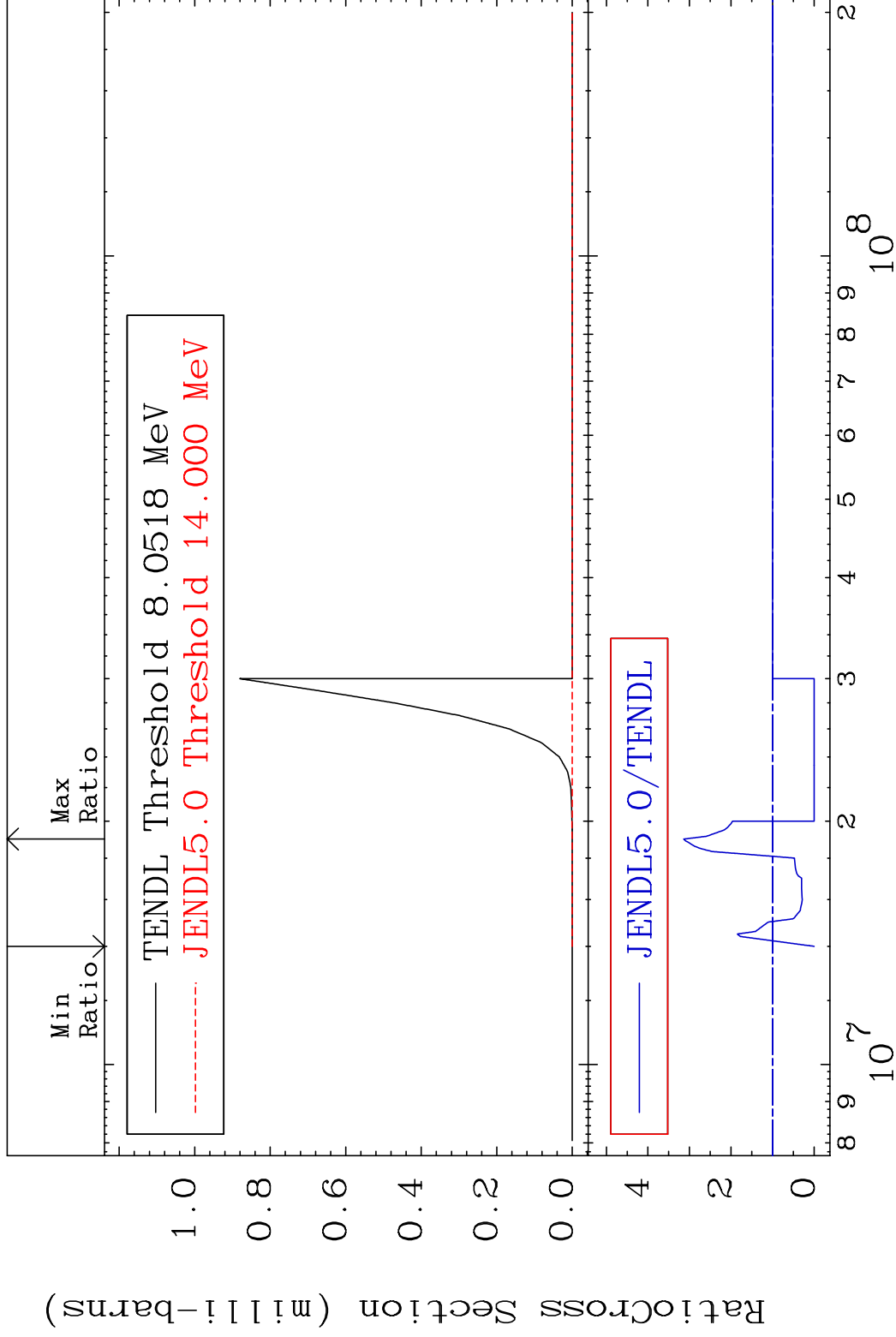
44-Ru-100

MAT 4437

(n, He-3)

44-Ru-100

Cross Section -100.0 To 214.0 %



45

Incident Energy (eV)

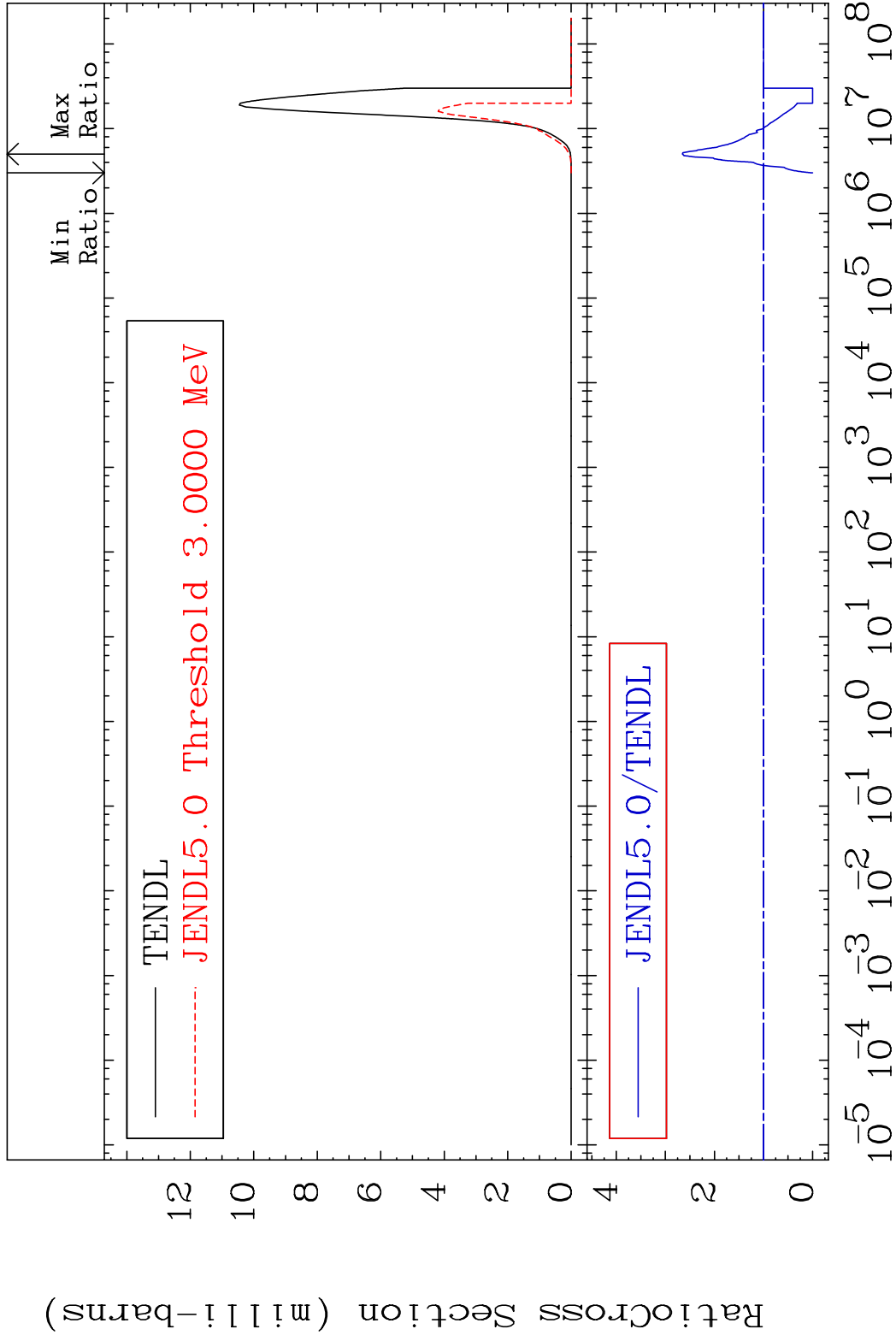
44-Ru-100

MAT 4437

(n, α)

44-Ru-100

Cross Section -100.0 To 165.4 %



46

Incident Energy (eV)

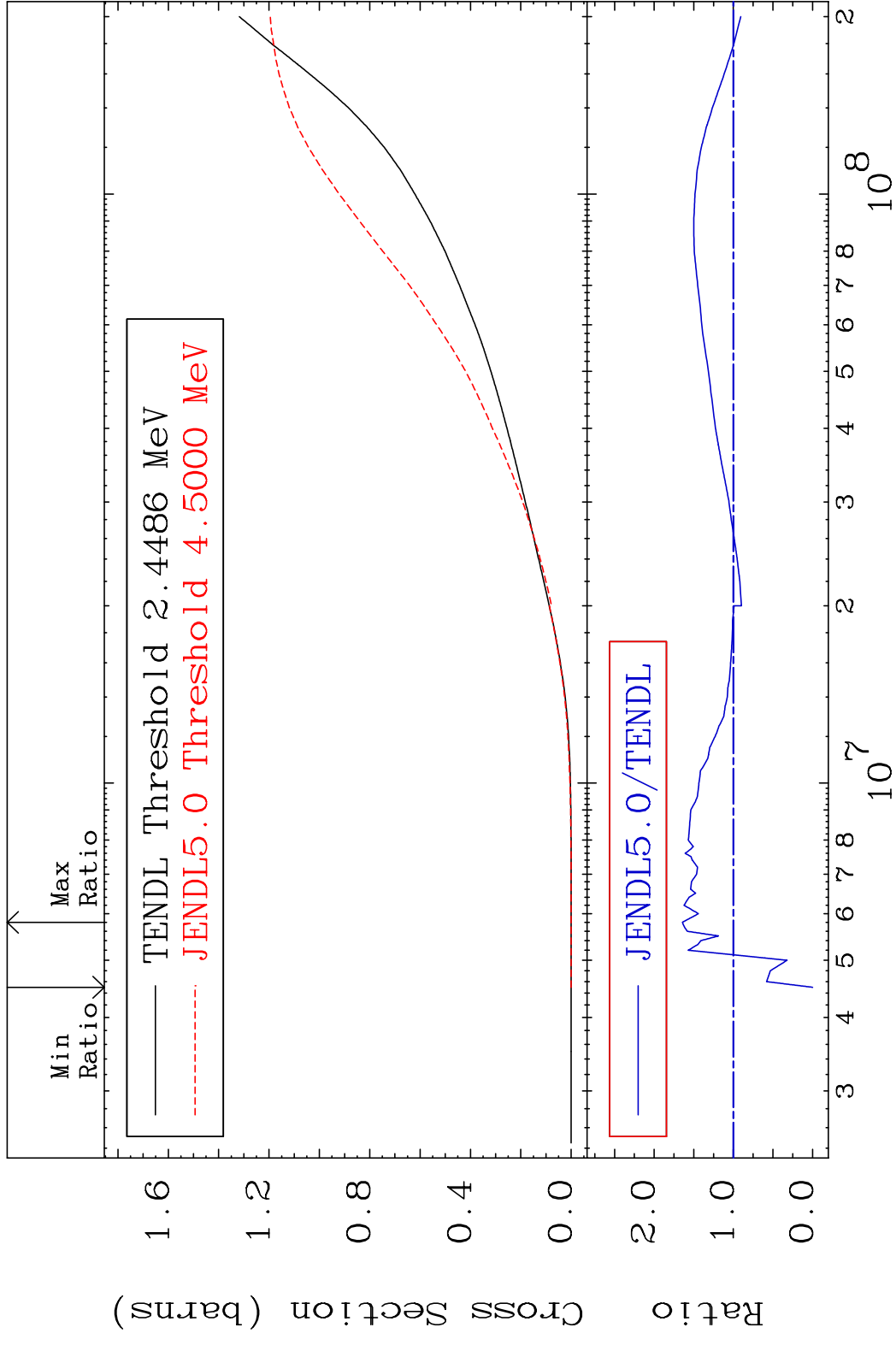
44-Ru-100

MAT 4437

Hydrogen Production

44-Ru-100

Cross Section -100.0 To 64.39 %

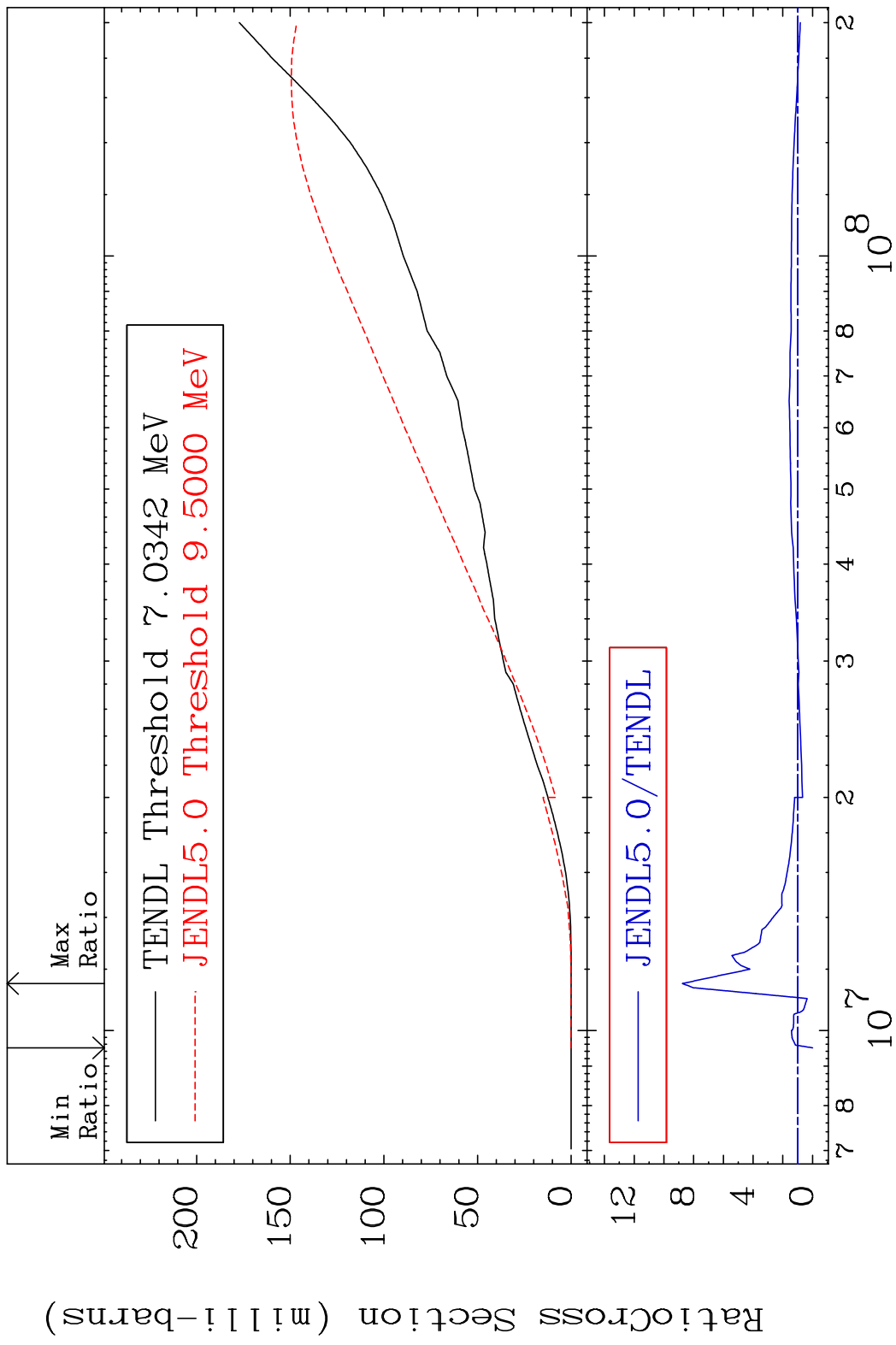


47

Incident Energy (eV)

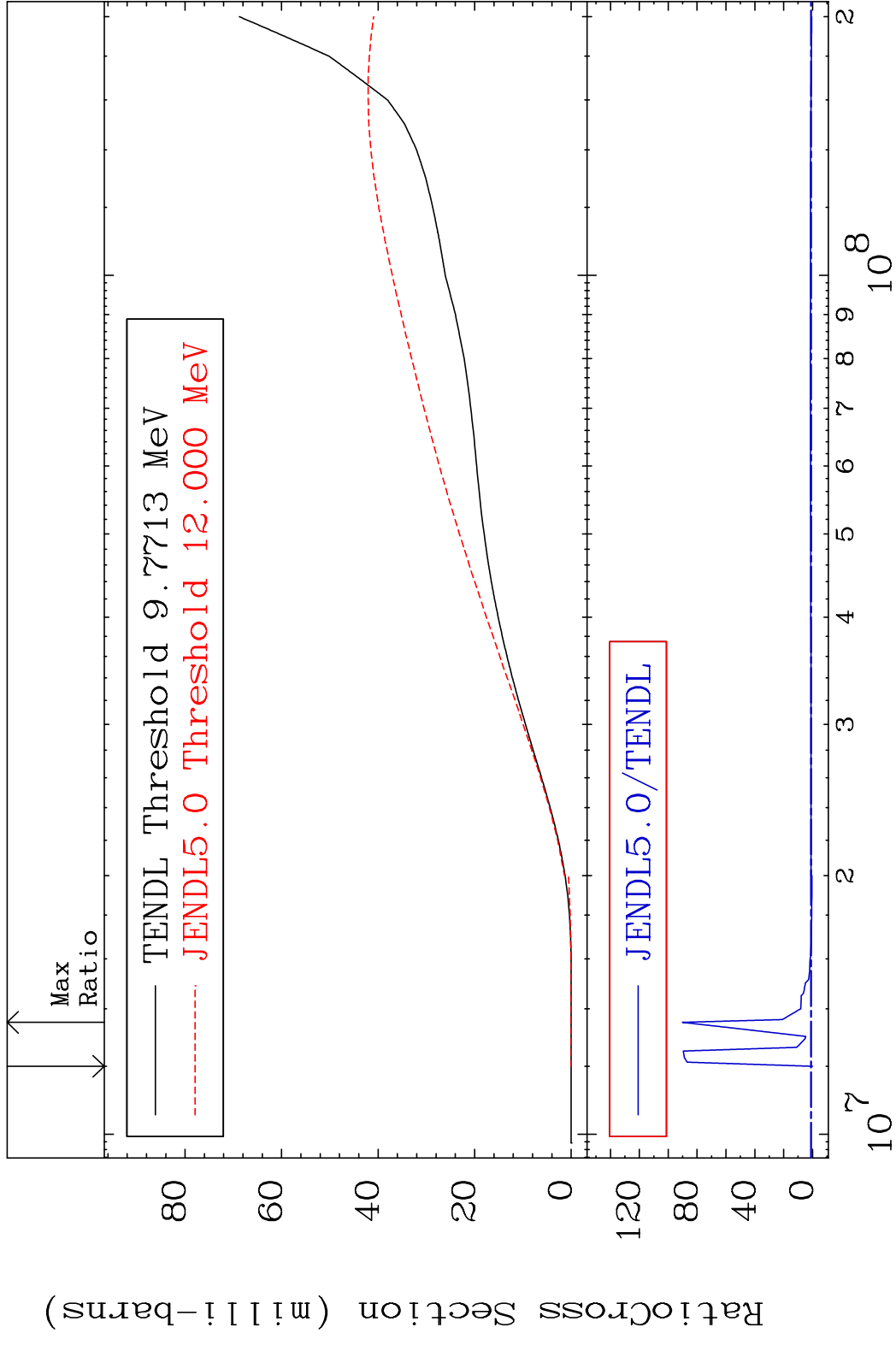
44-Ru-100

MAT 4437 Deuterium Production 44-Ru-100
 Cross Section -100.0 To 776.0 %



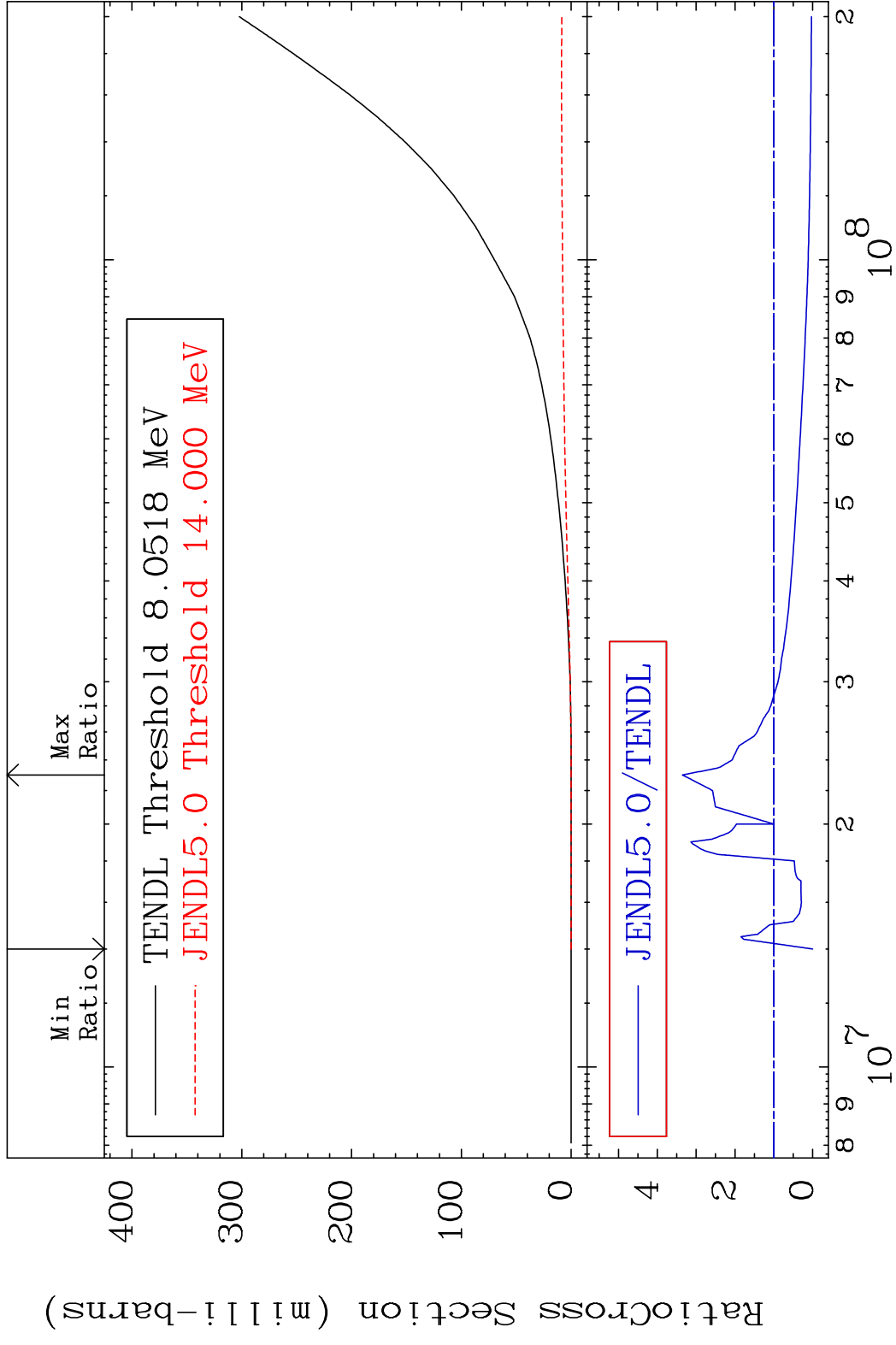
48 44-Ru-100

MAT 4437 Tritium Production 44-Ru-100
 Cross Section -100.0 To 8922. %



49 44-Ru-100

MAT 4437 He-3 Production 44-Ru-100
 Cross Section -100.0 To 235.6 %



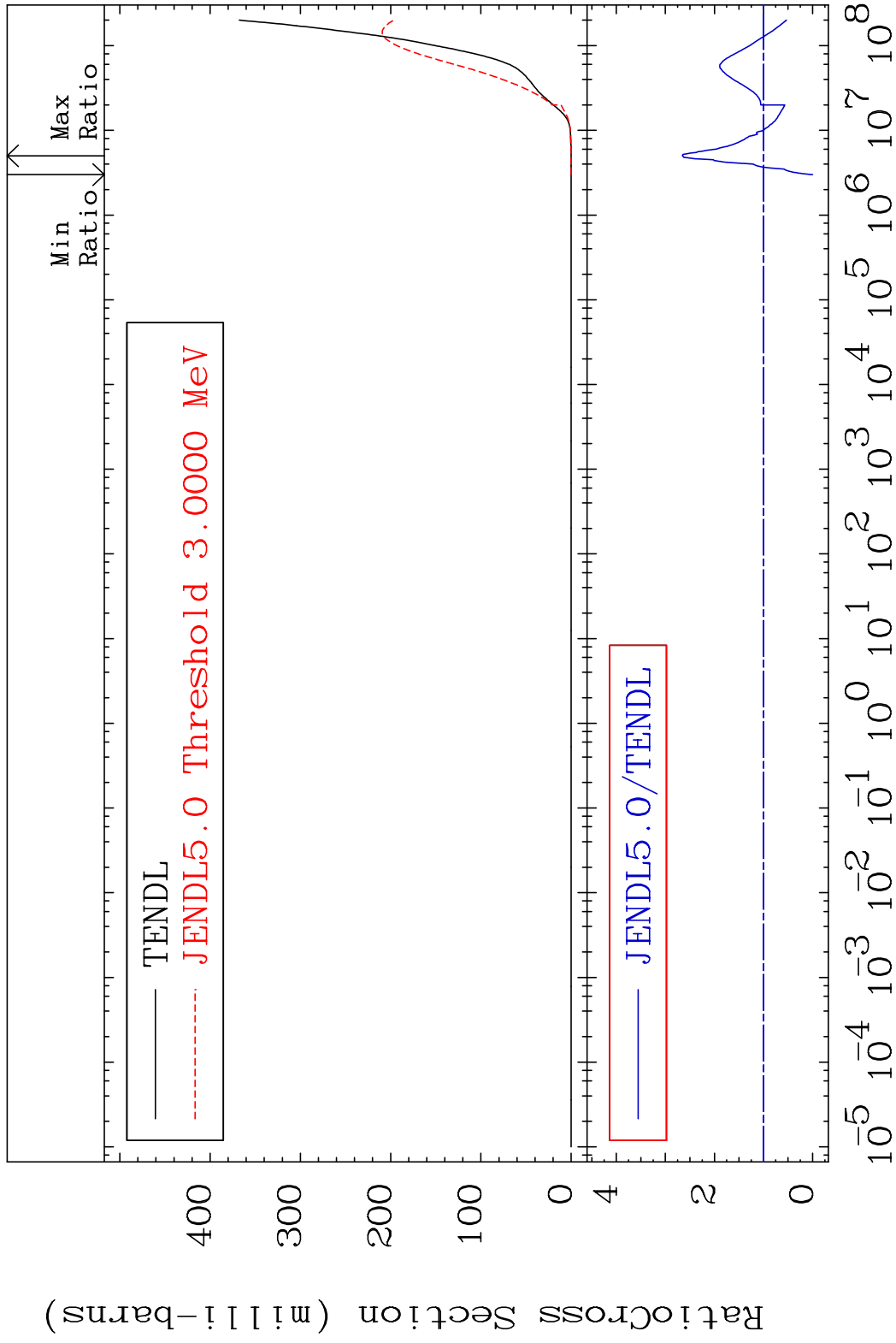
50 44-Ru-100

MAT 4437

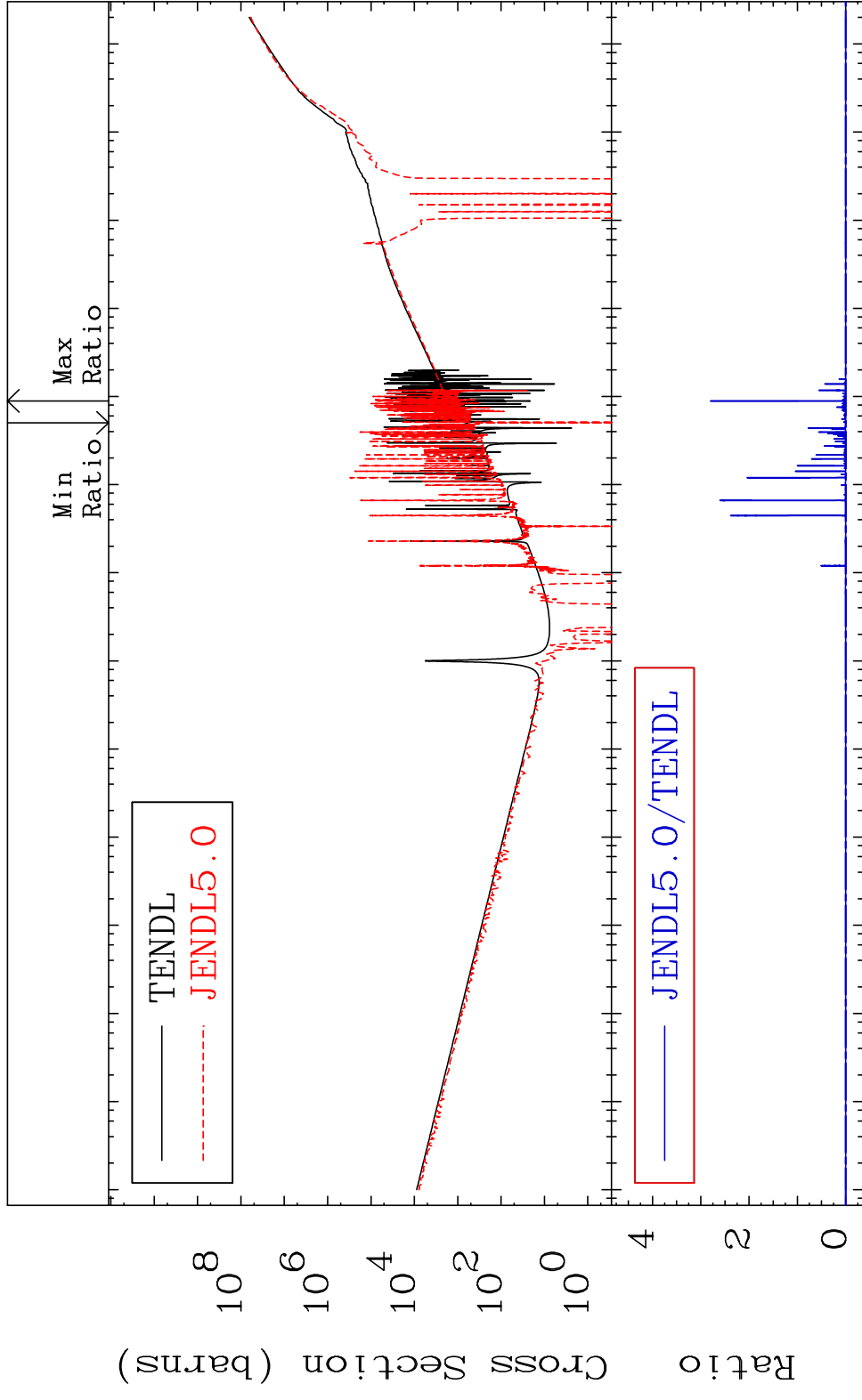
He-4 Production

44-Ru-100

Cross Section -100.0 To 165.4 %

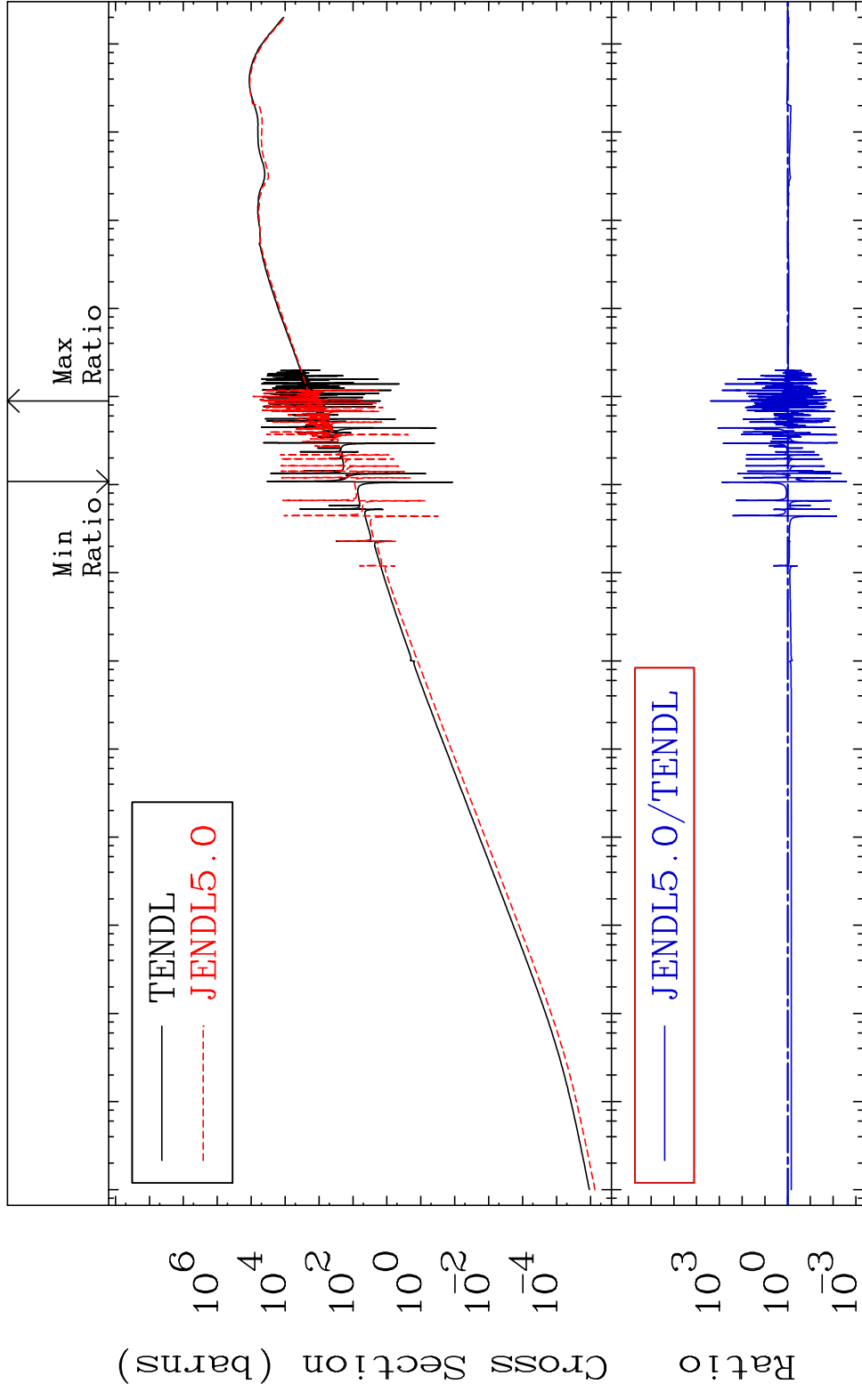


MAT 4437 Kerma total (eV-barns) 44-Ru-100
 Cross Section -1550. To 9999. %

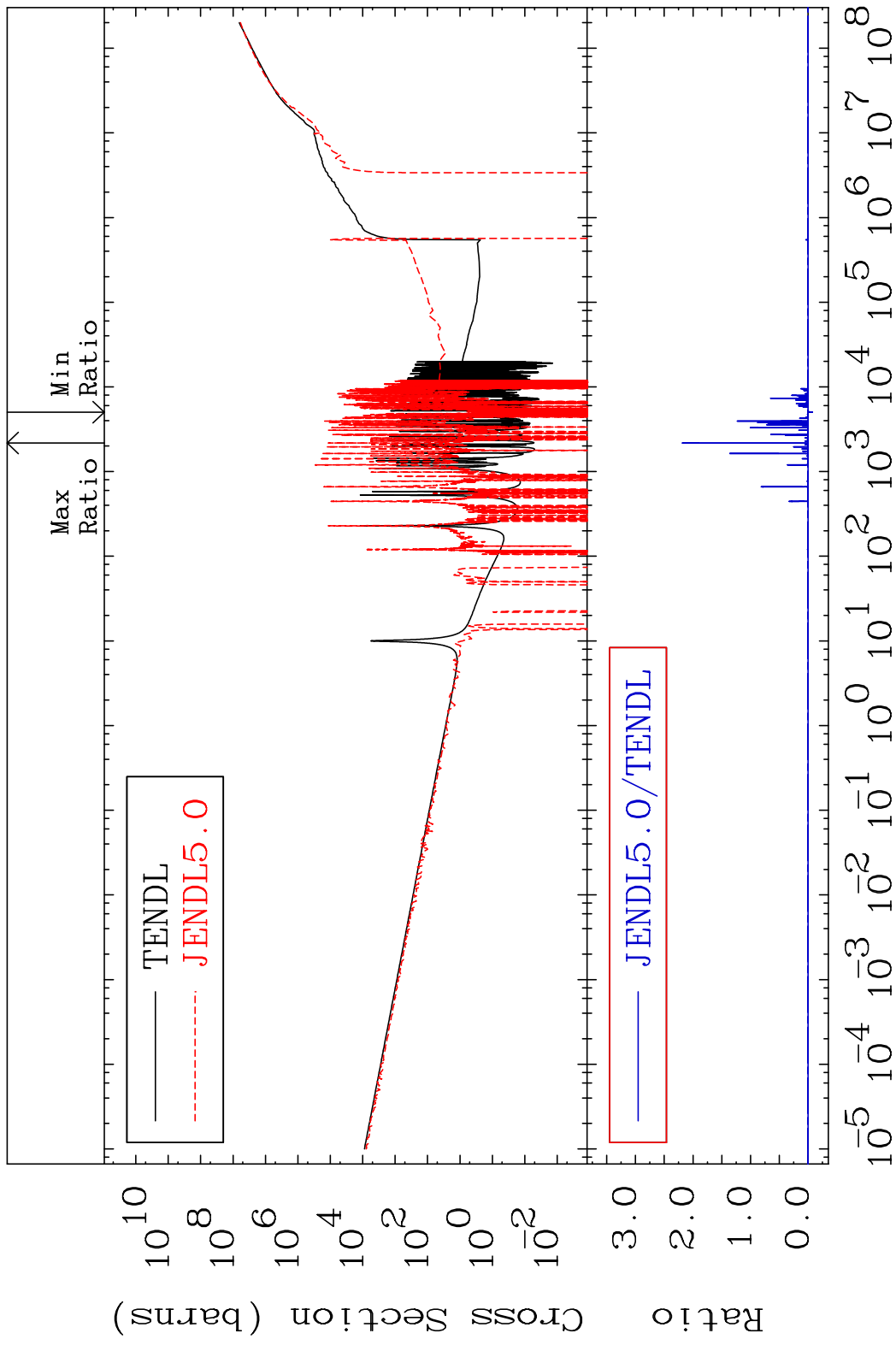


MAT 4437

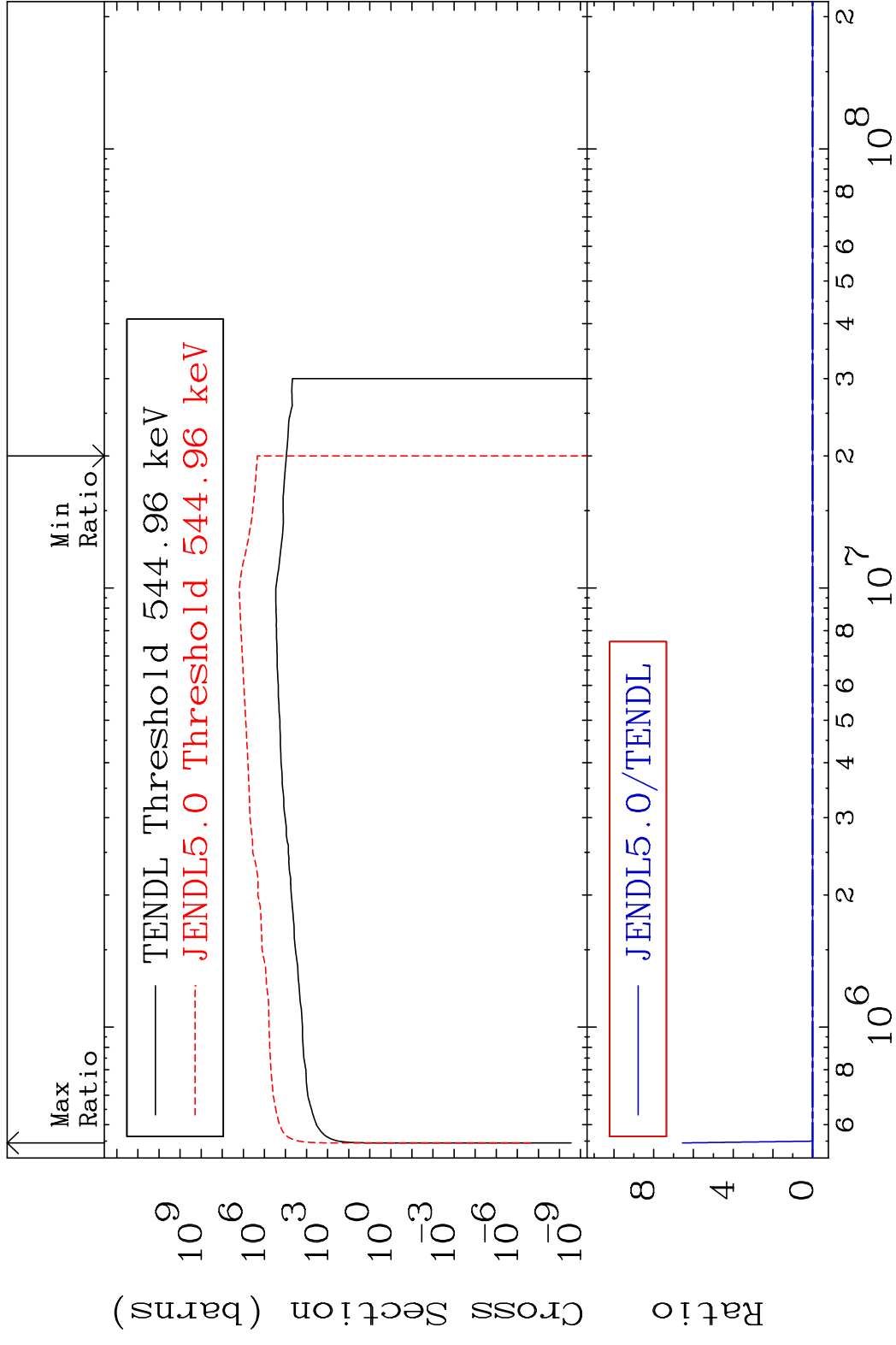
Kerma elastic Cross Section -99.74 To 9999. %
44-Ru-100



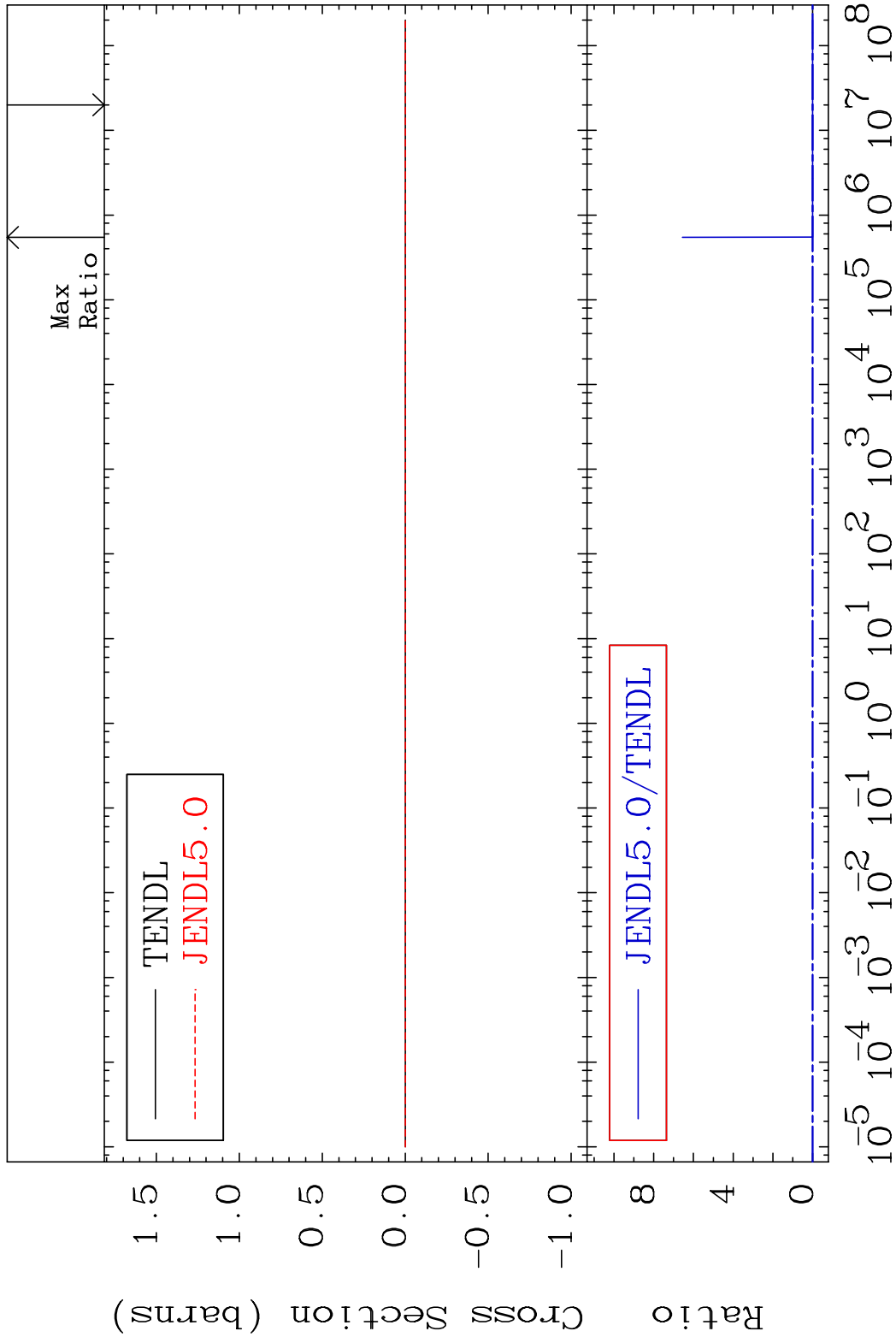
MAT 4437 Kerma non-elastic (all but mt2) 44-Ru-100
 Cross Section -9999. To 9999. %



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

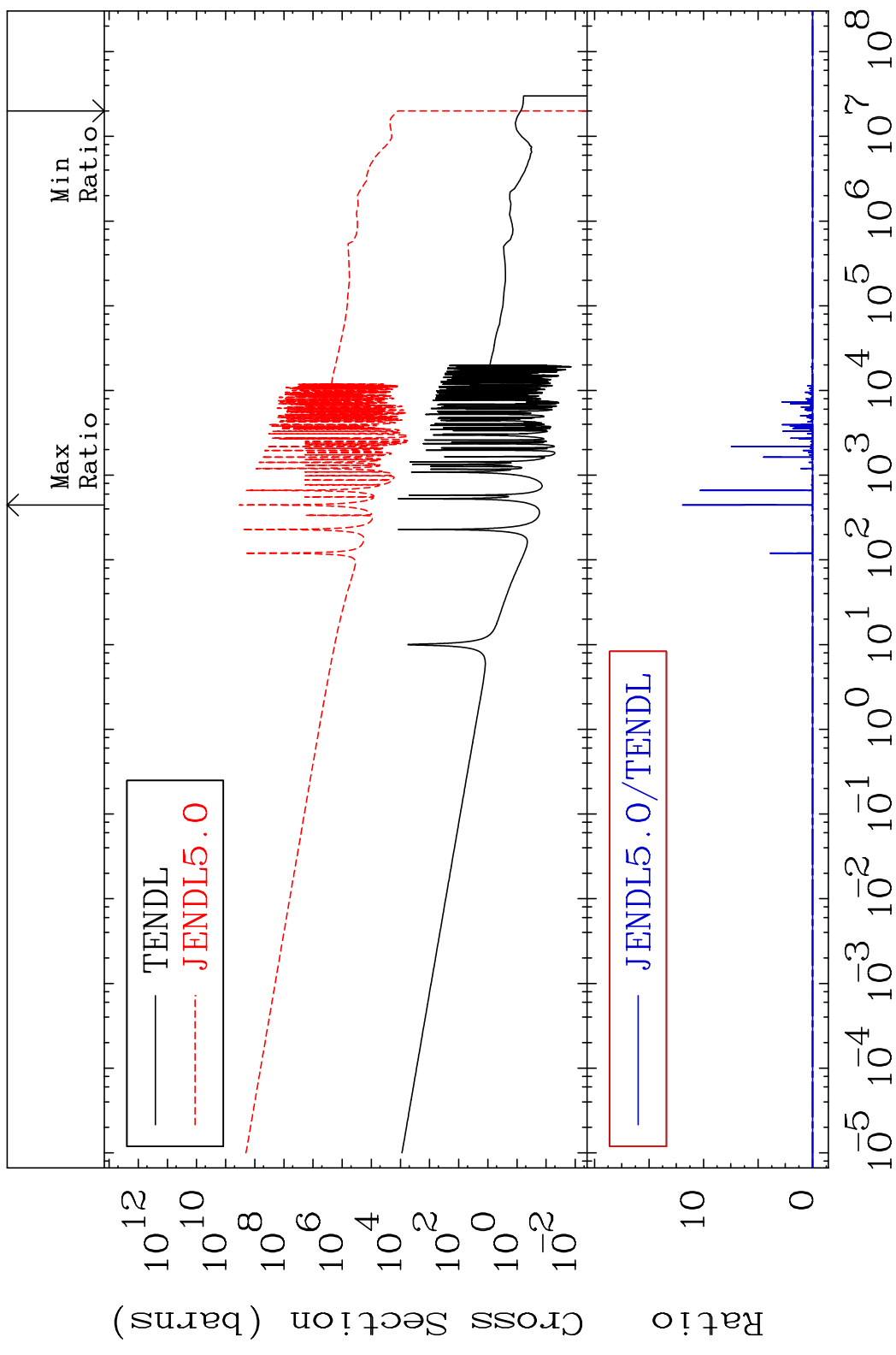


MAT 4437 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-100
 Cross Section -100.0 To 9999. %



MAT 4437

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



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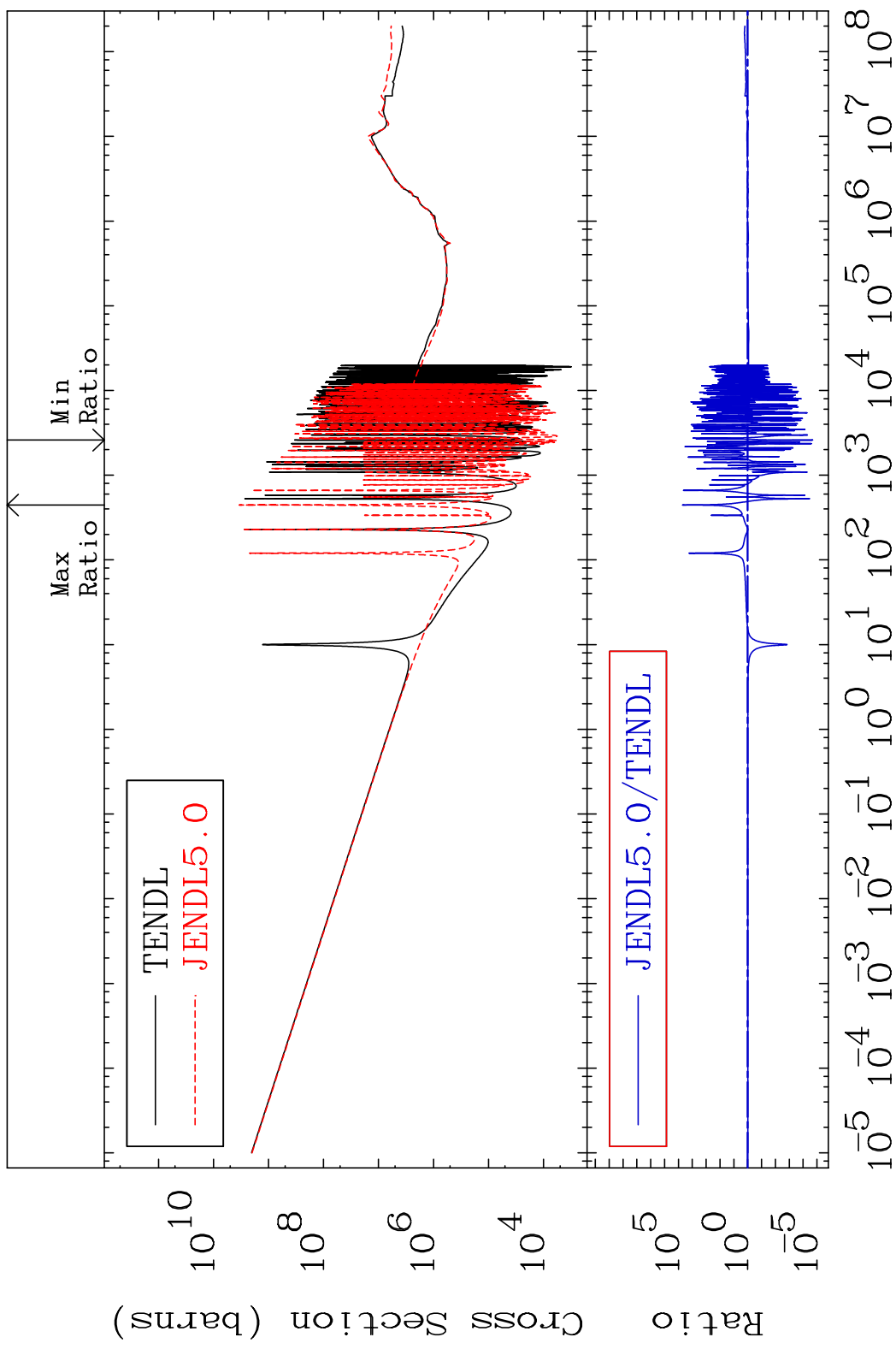
Incident Energy (eV) 44-Ru-100

MAT 4437

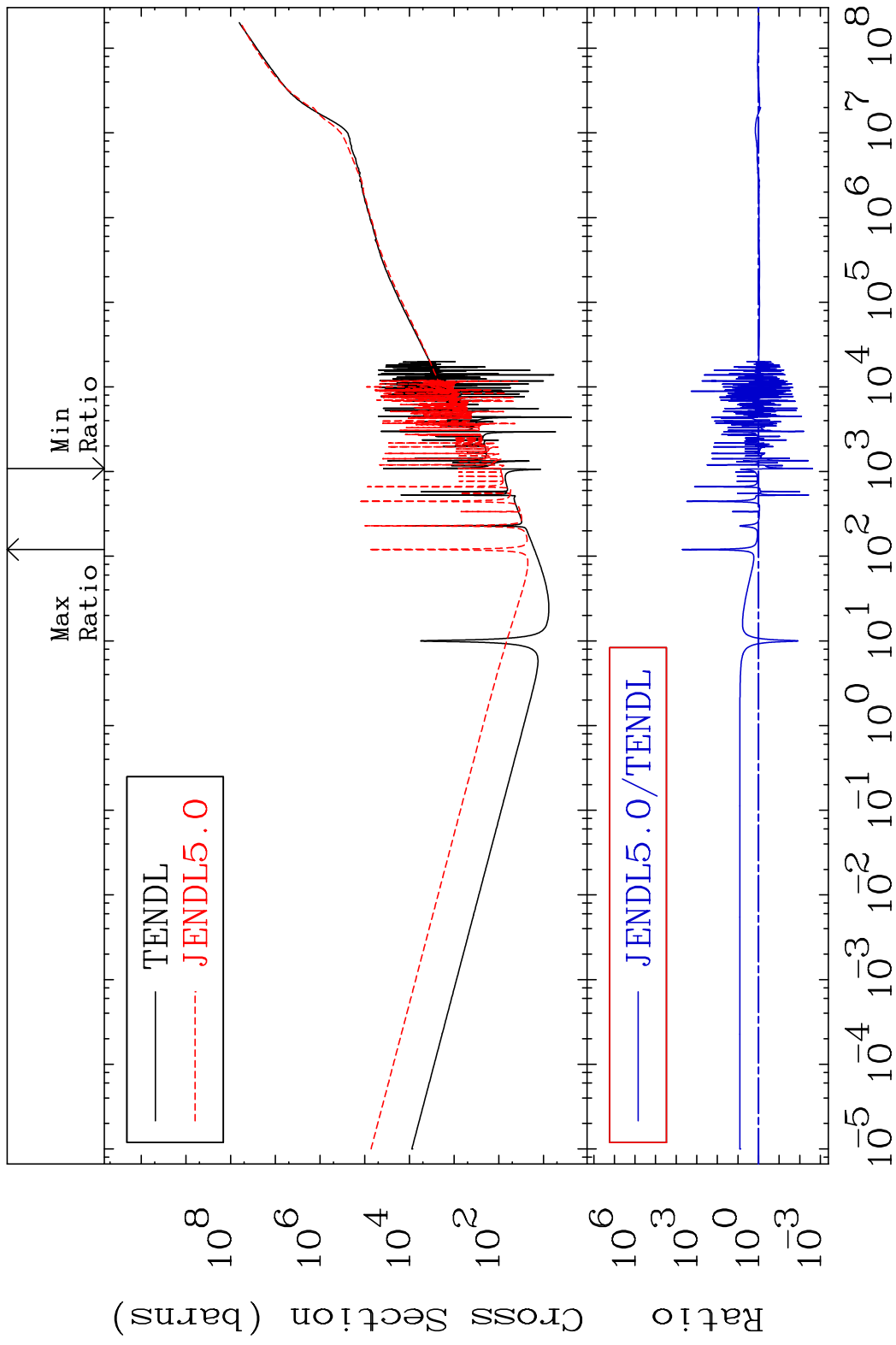
Total photon (eV-barns)

44-Ru-100

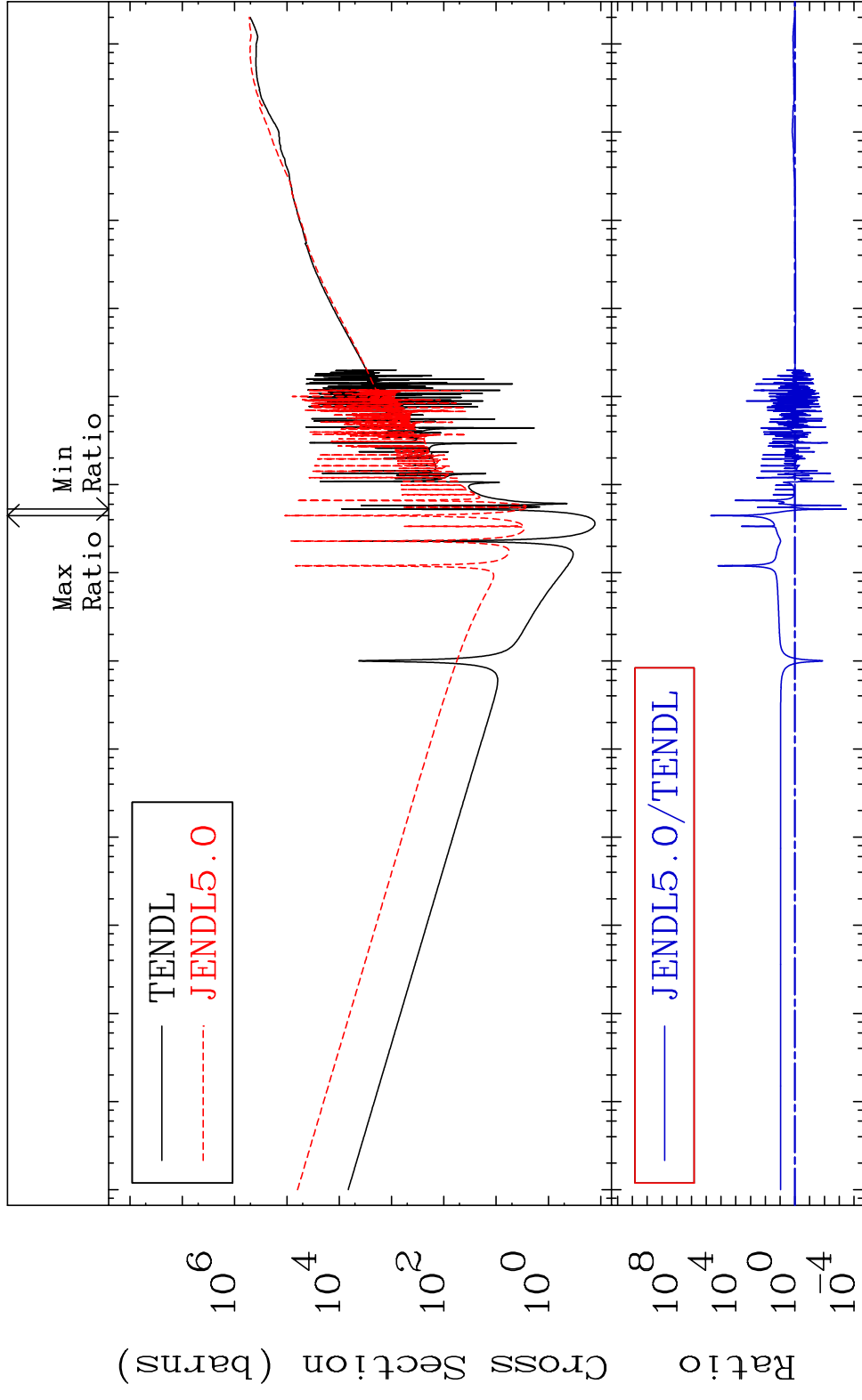
Cross Section -100.0 To 9999. %



MAT 4437 Total kinematic kerma (high limit) 44-Ru-100
 Cross Section -99.76 To 9999. %



MAT 4437 Dpa total (eV-barns) 44-Ru-100
 Cross Section -99.97 To 9999. %



60 Incident Energy (eV) 44-Ru-100

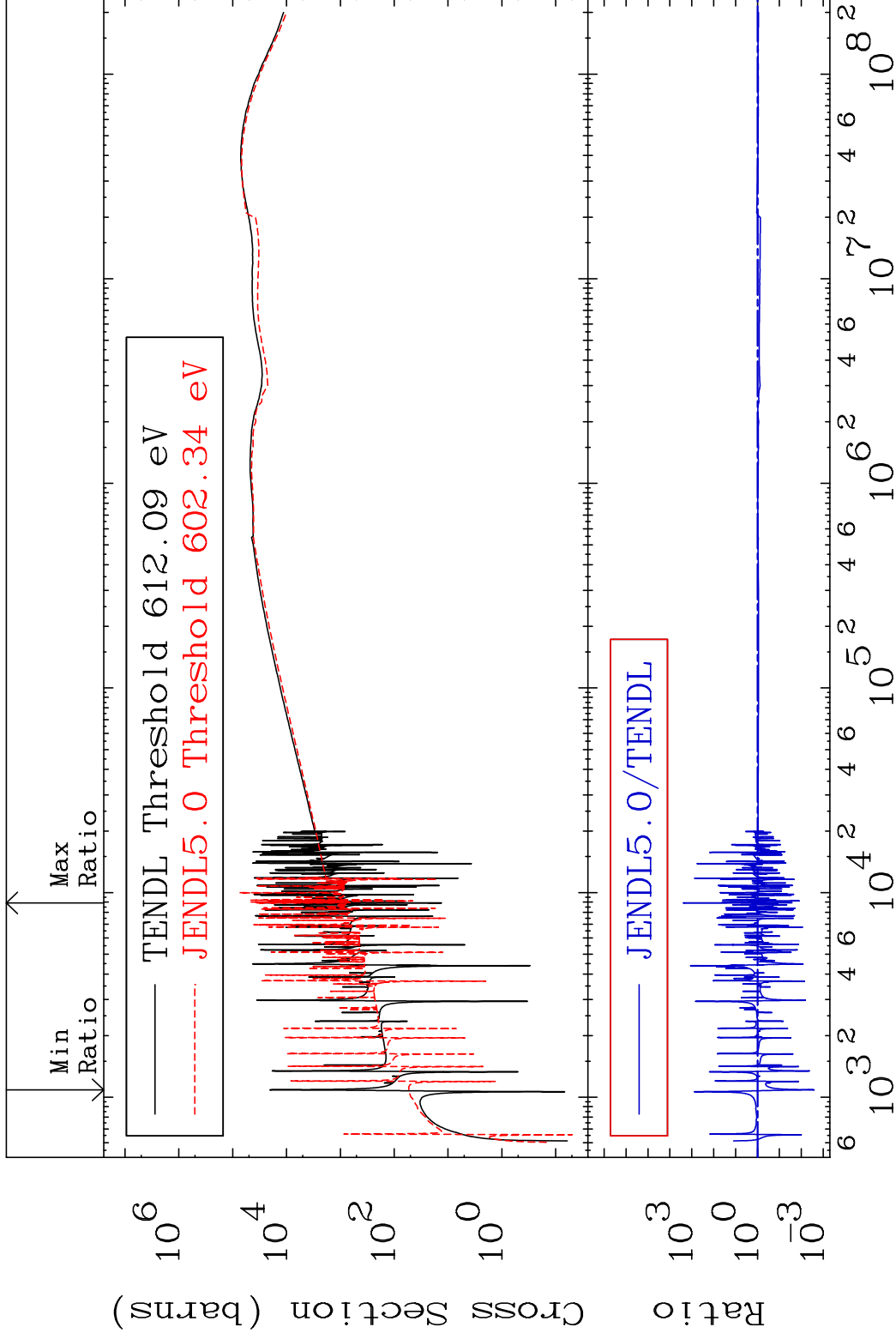
MAT 4437

Dpa elastic (mt2)

44-Ru-100

Cross Section

-99.74 To 9999. %

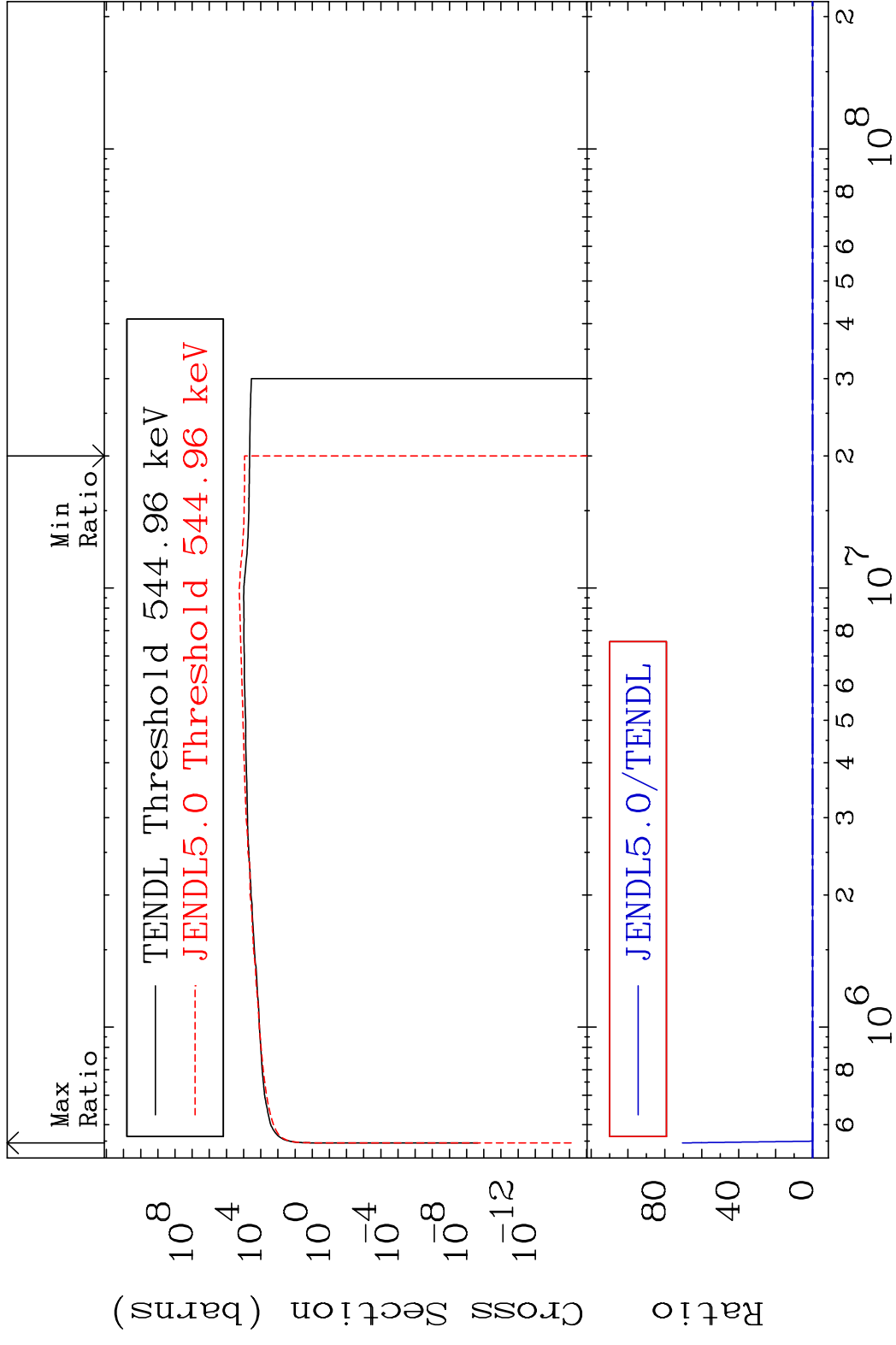


61

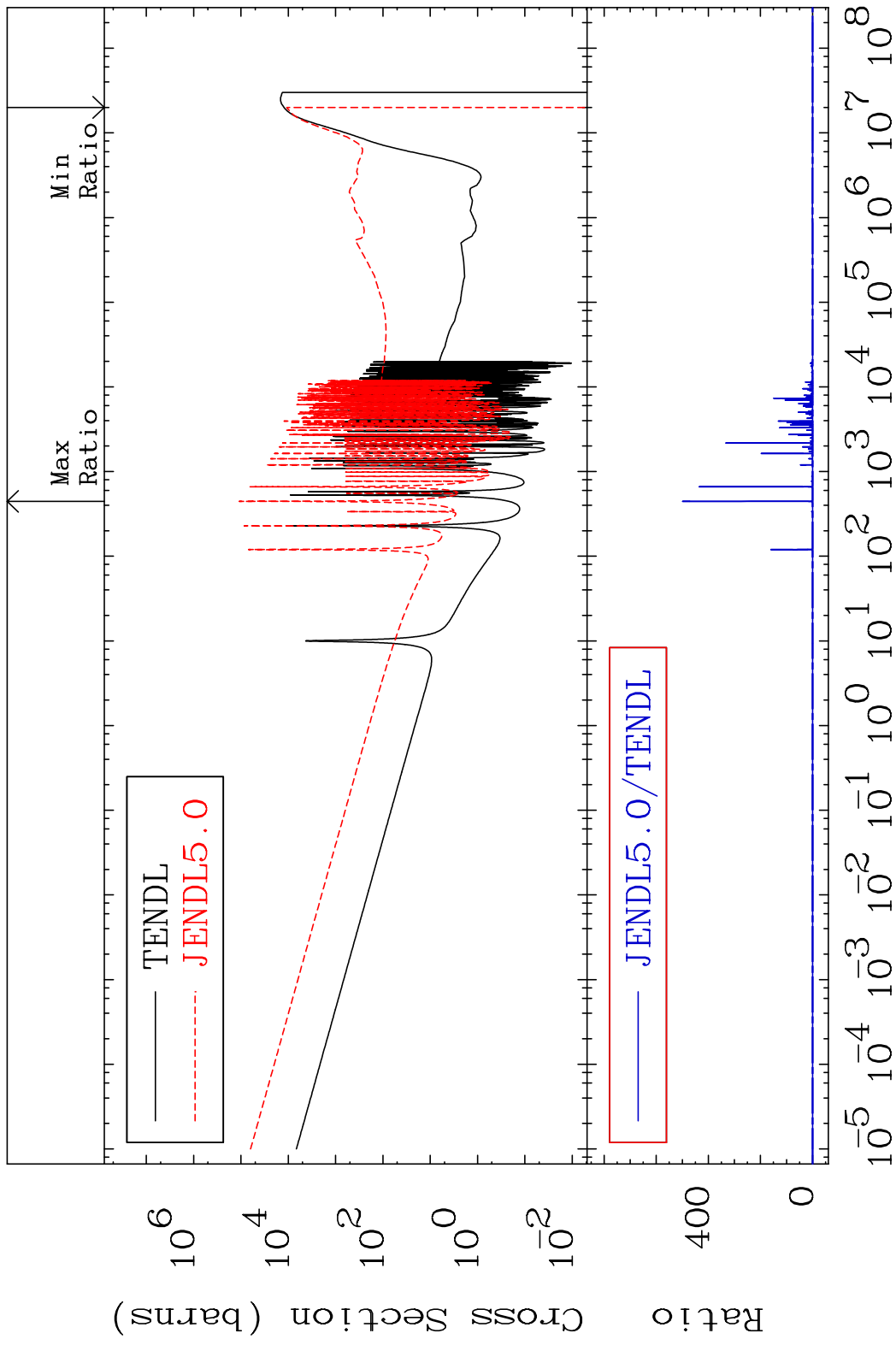
Incident Energy (eV)

44-Ru-100

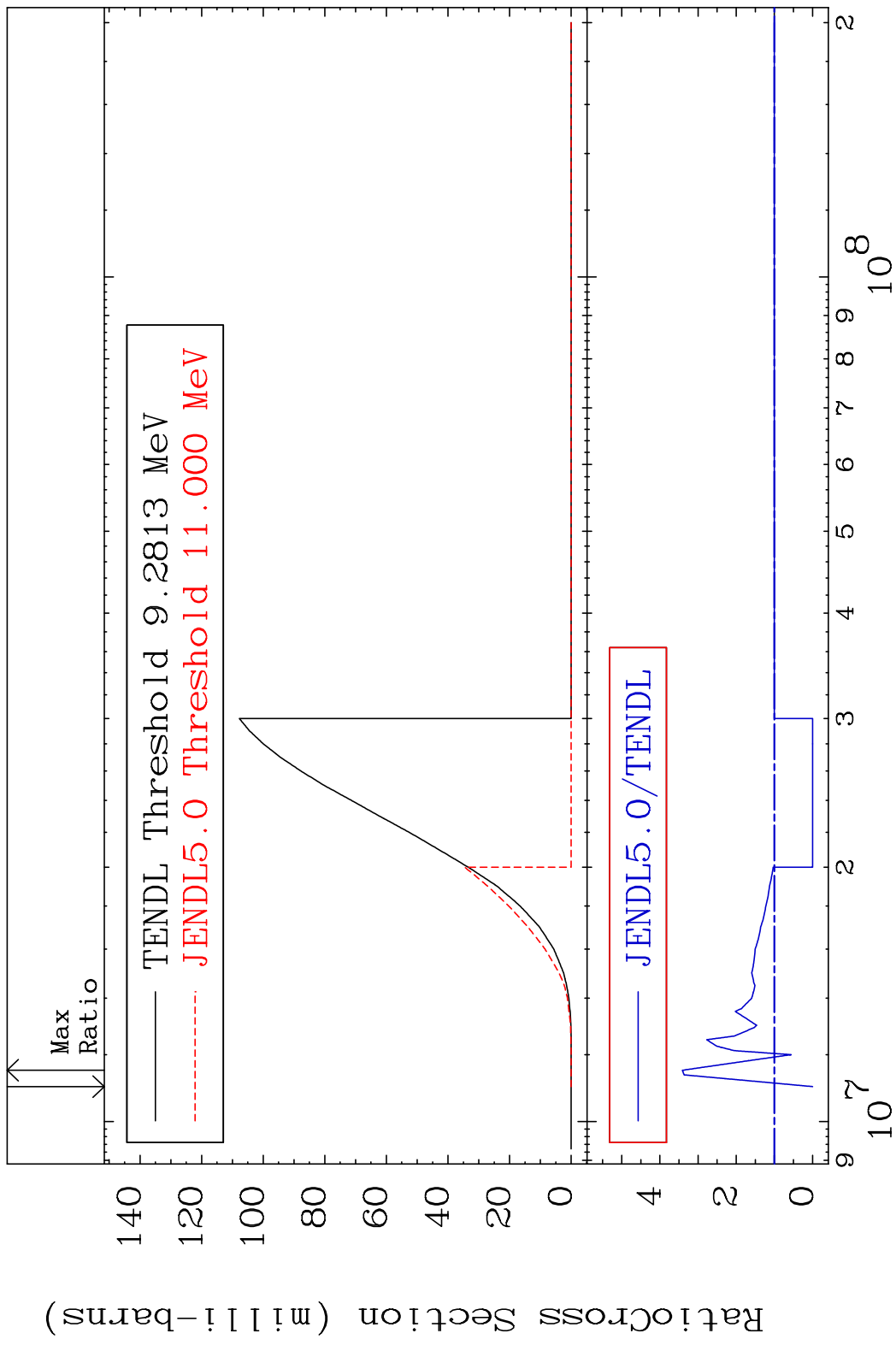
MAT 4437 Dpa inelastic (mt51-91) 44-Ru-100
 Cross Section -100.0 To 9999. %



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

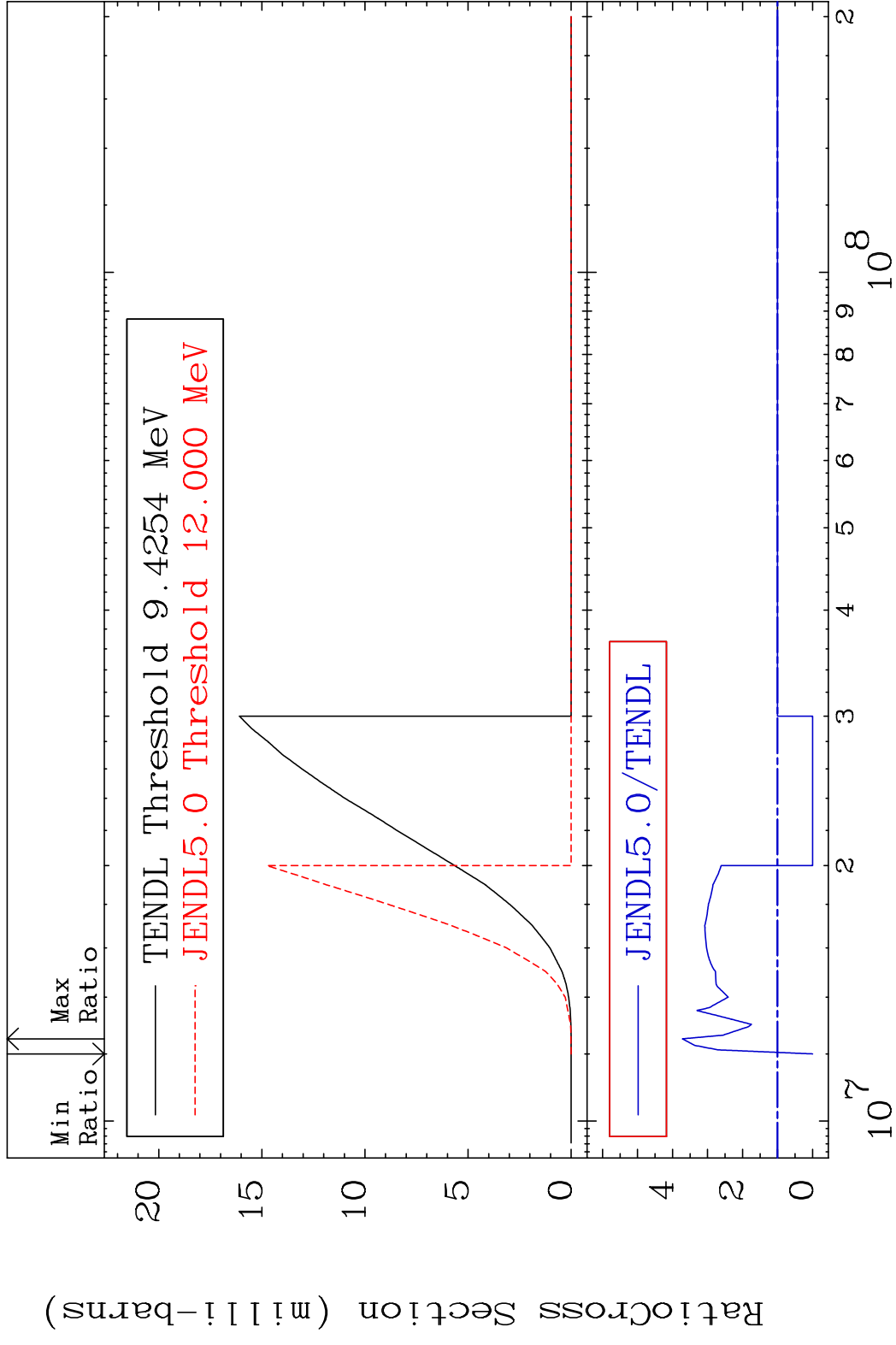


MAT 4437 (n, n') p:43-Tc-99g 44-Ru-100
 Radionuclide Production Cross Section 180.0 mb 241.1 %

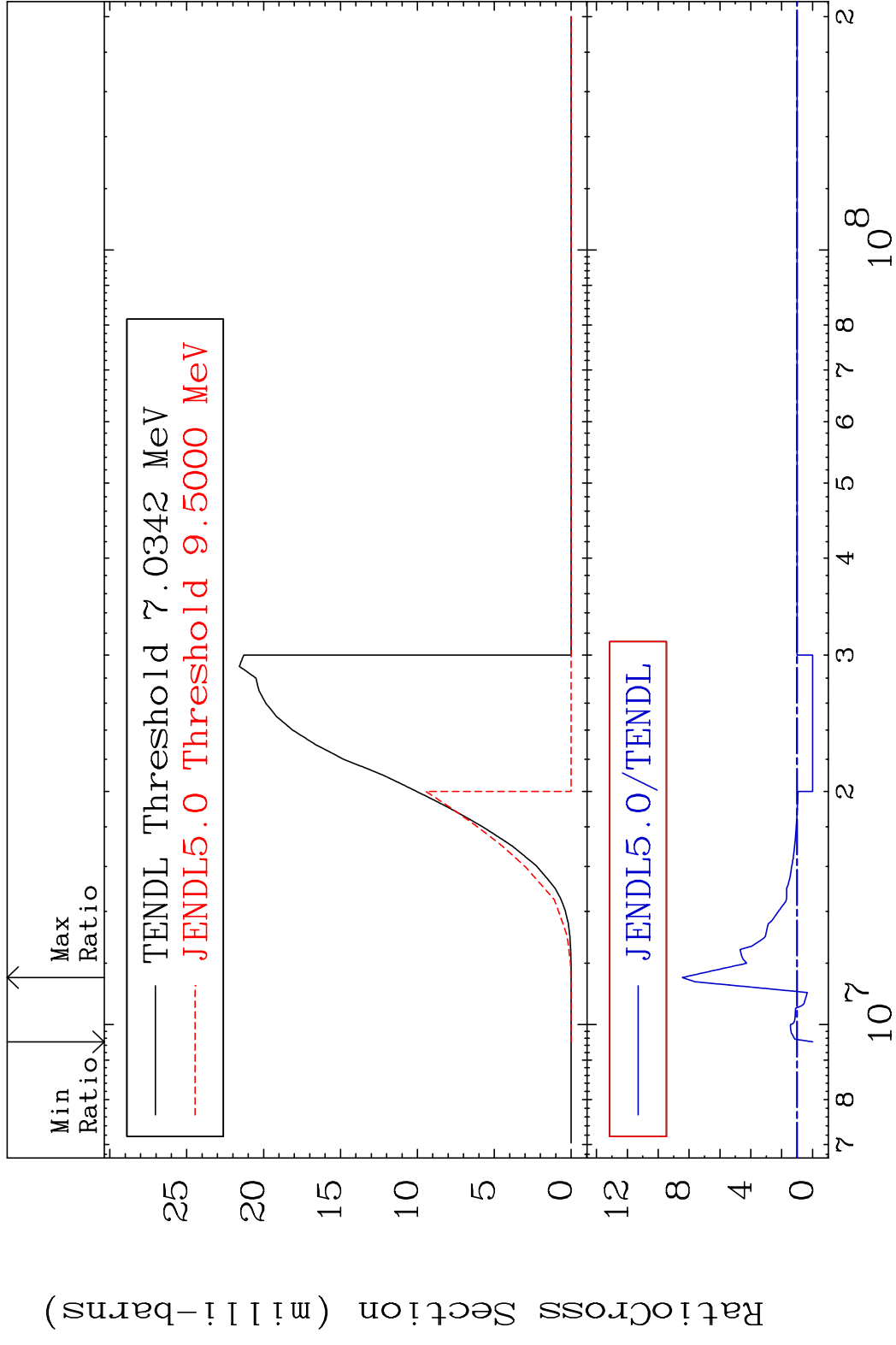


64 Incident Energy (eV) 44-Ru-100

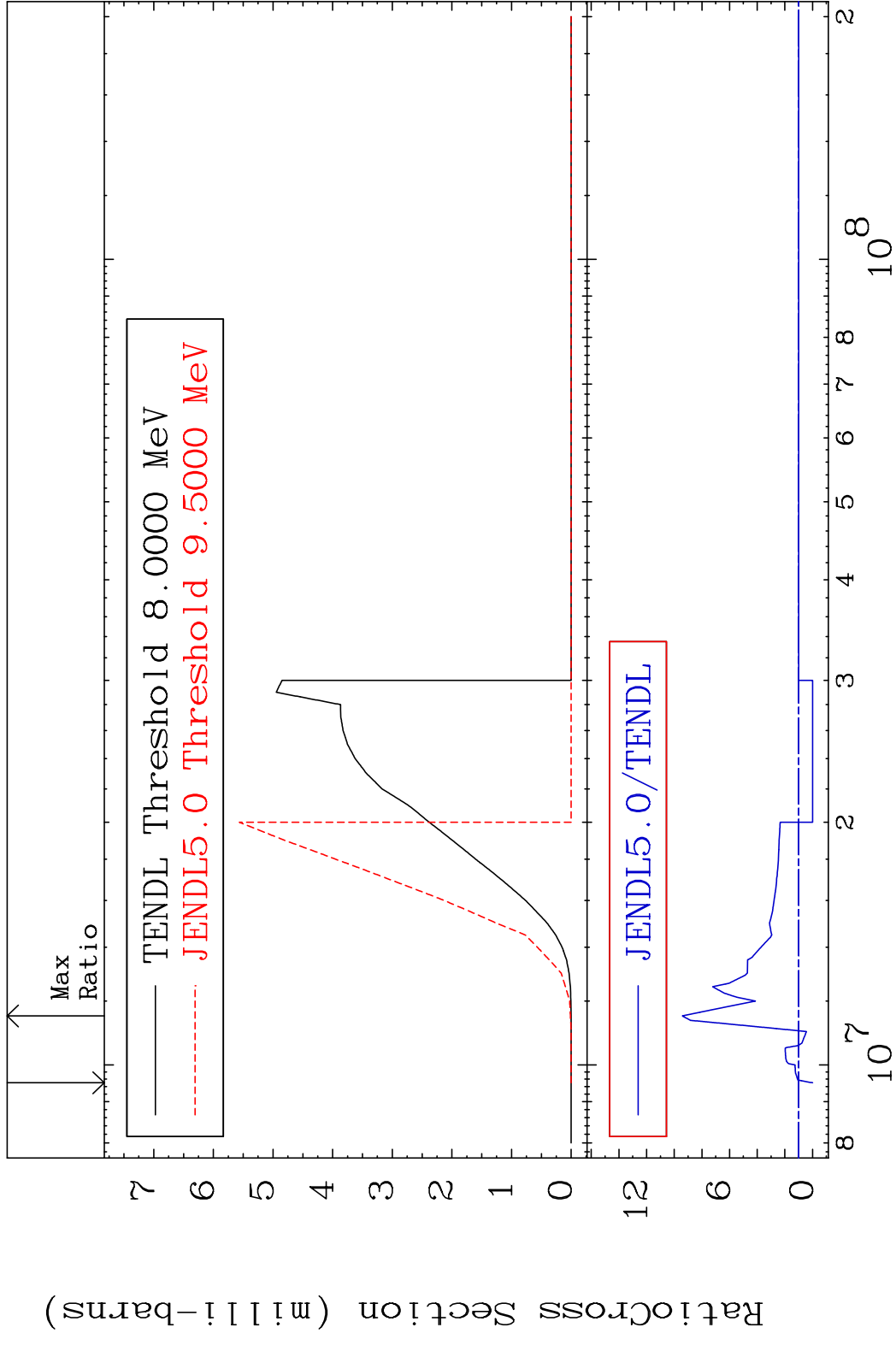
MAT 4437 (n, n') p:43-Tc-99m2 44-Ru-100
 Radionuclide Production Cross Section Ratio 272.0 %



MAT 4437 (n,d):43-Tc-99g 44-Ru-100
 Radionuclide Production Cross Section 180.0 mb 743.7 %

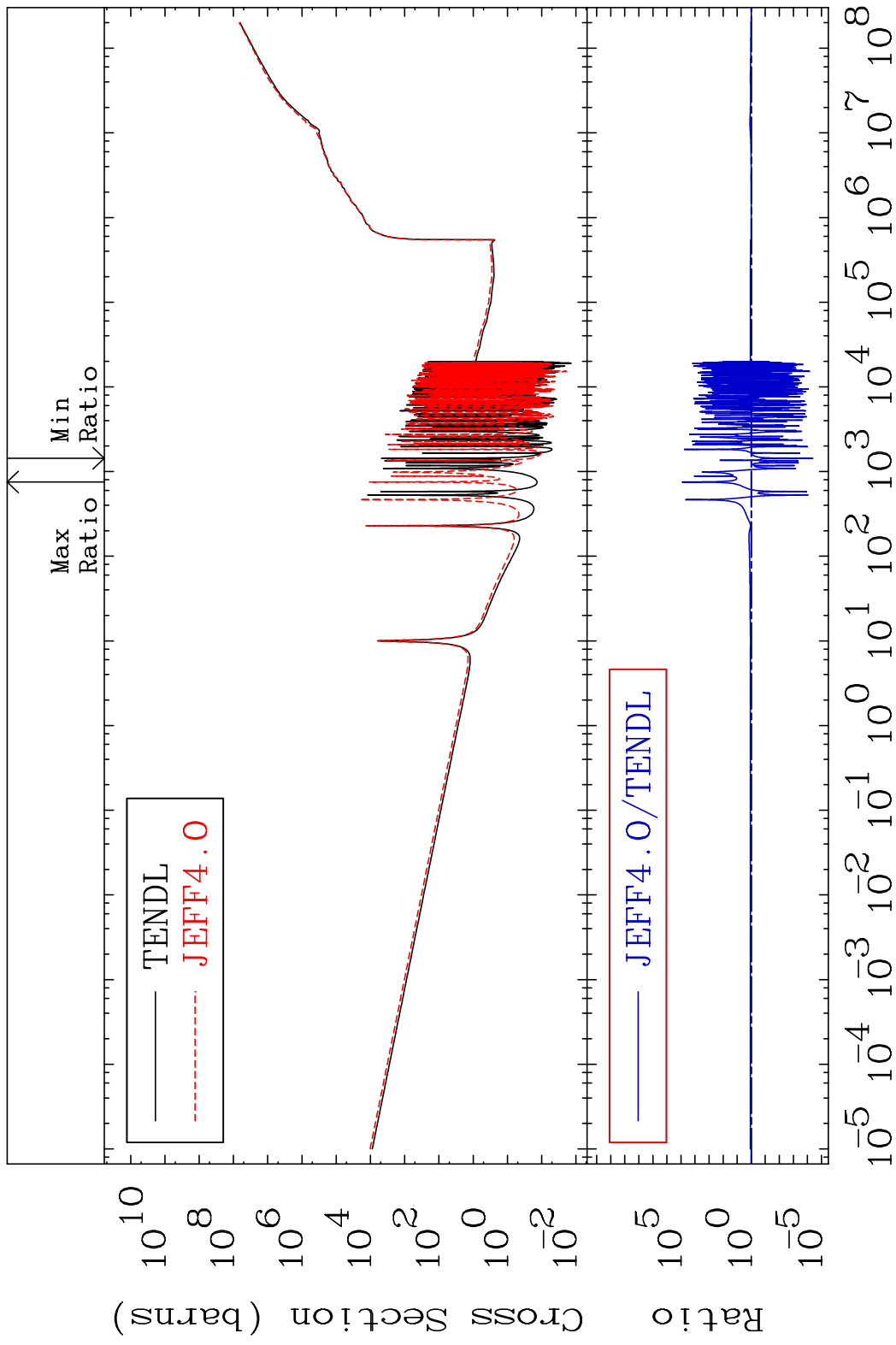


MAT 4437 (n, d) : 43-Tc-99m2 44-Ru-100
 Radionuclide Production Cross Section Ratio 841.2 %

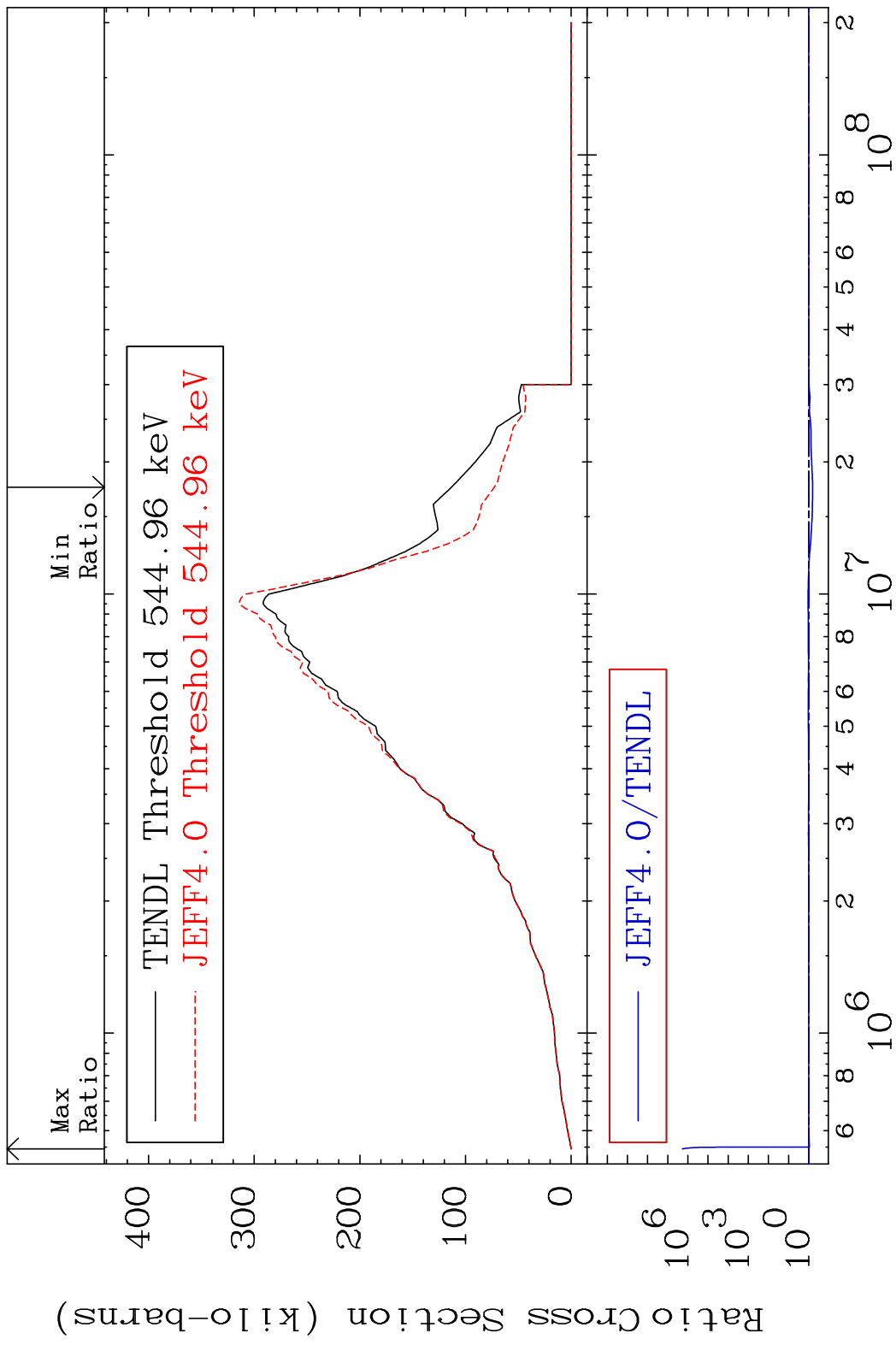


67 Incident Energy (eV) 44-Ru-100

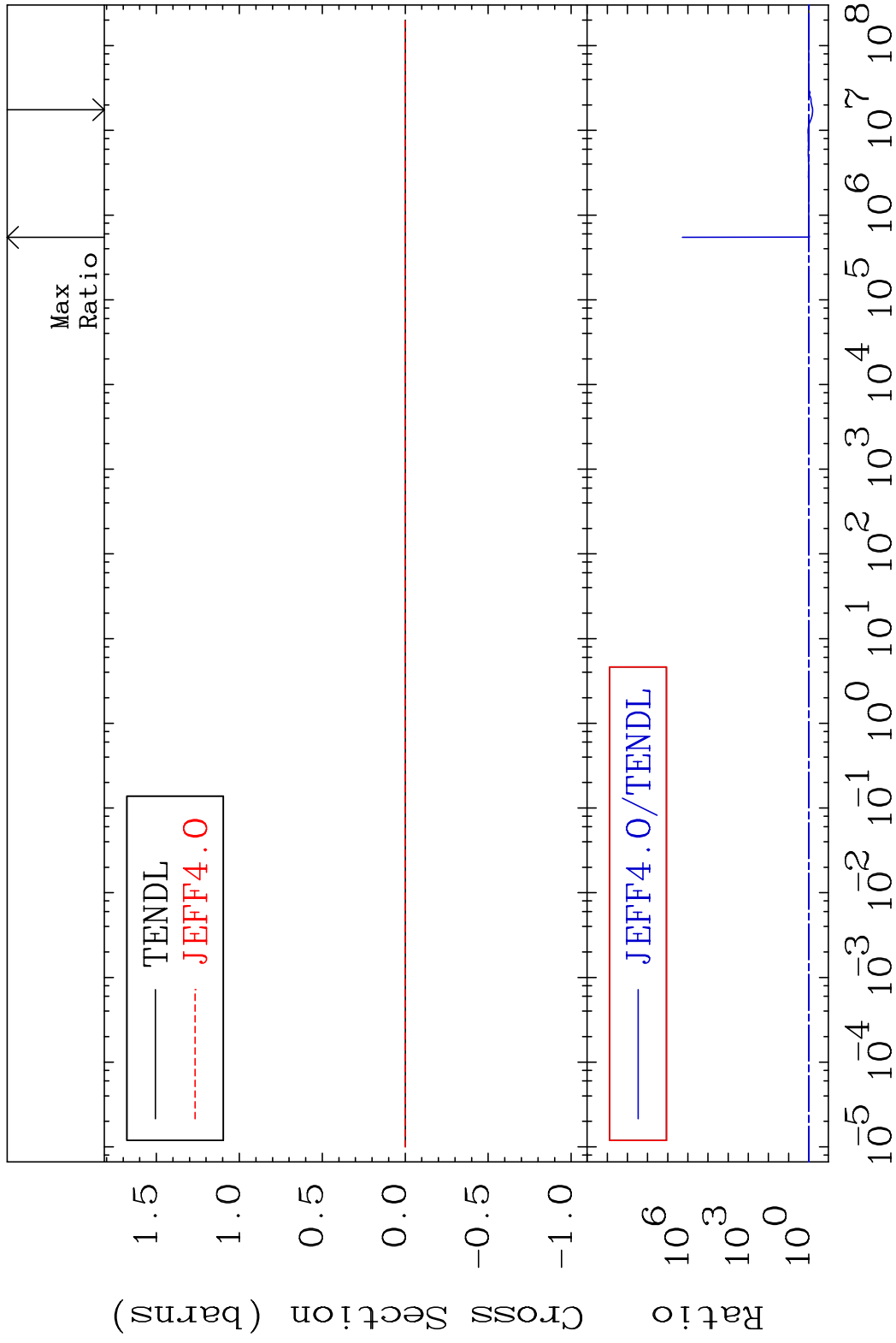
MAT 4437 Kerma non-elastic (all but mt2) 44-Ru-100
 Cross Section -100.0 To 9999. %



MAT 4437 Kerma inelastic (mt51-91) 44-Ru-100
 Cross Section -35.73 To 9999. %

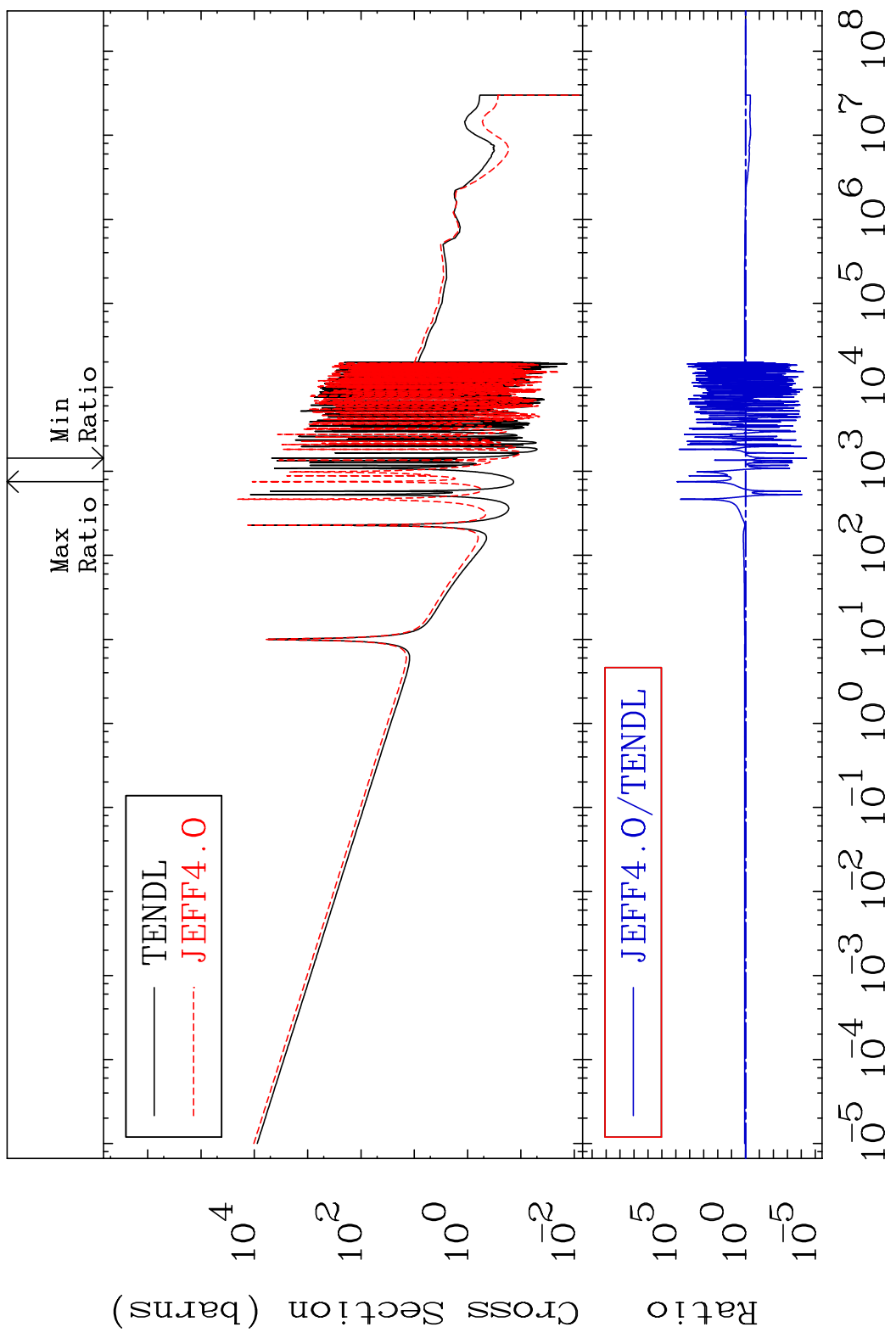


MAT 4437 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-100
 Cross Section -35.73 To 9999. %



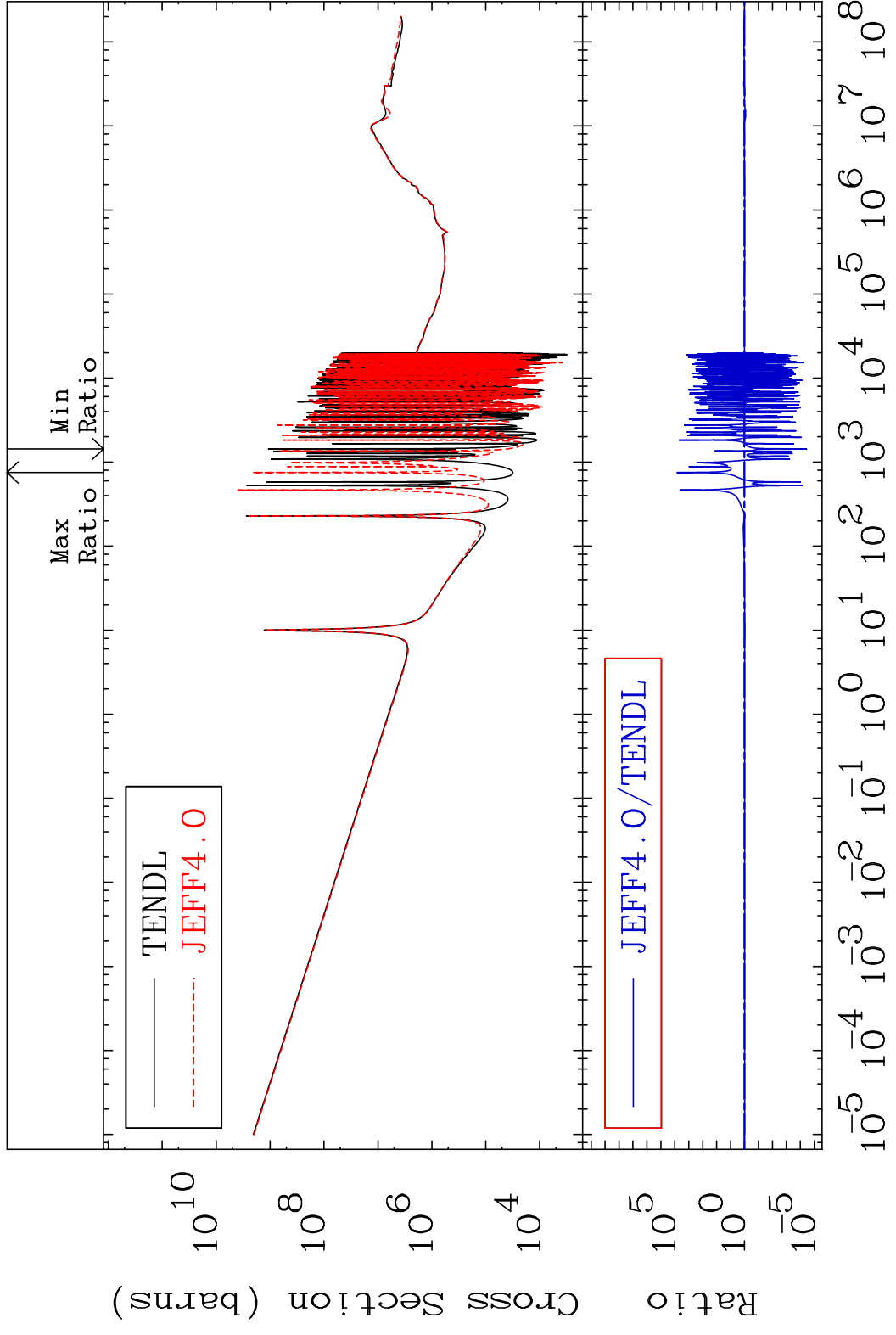
MAT 4437

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

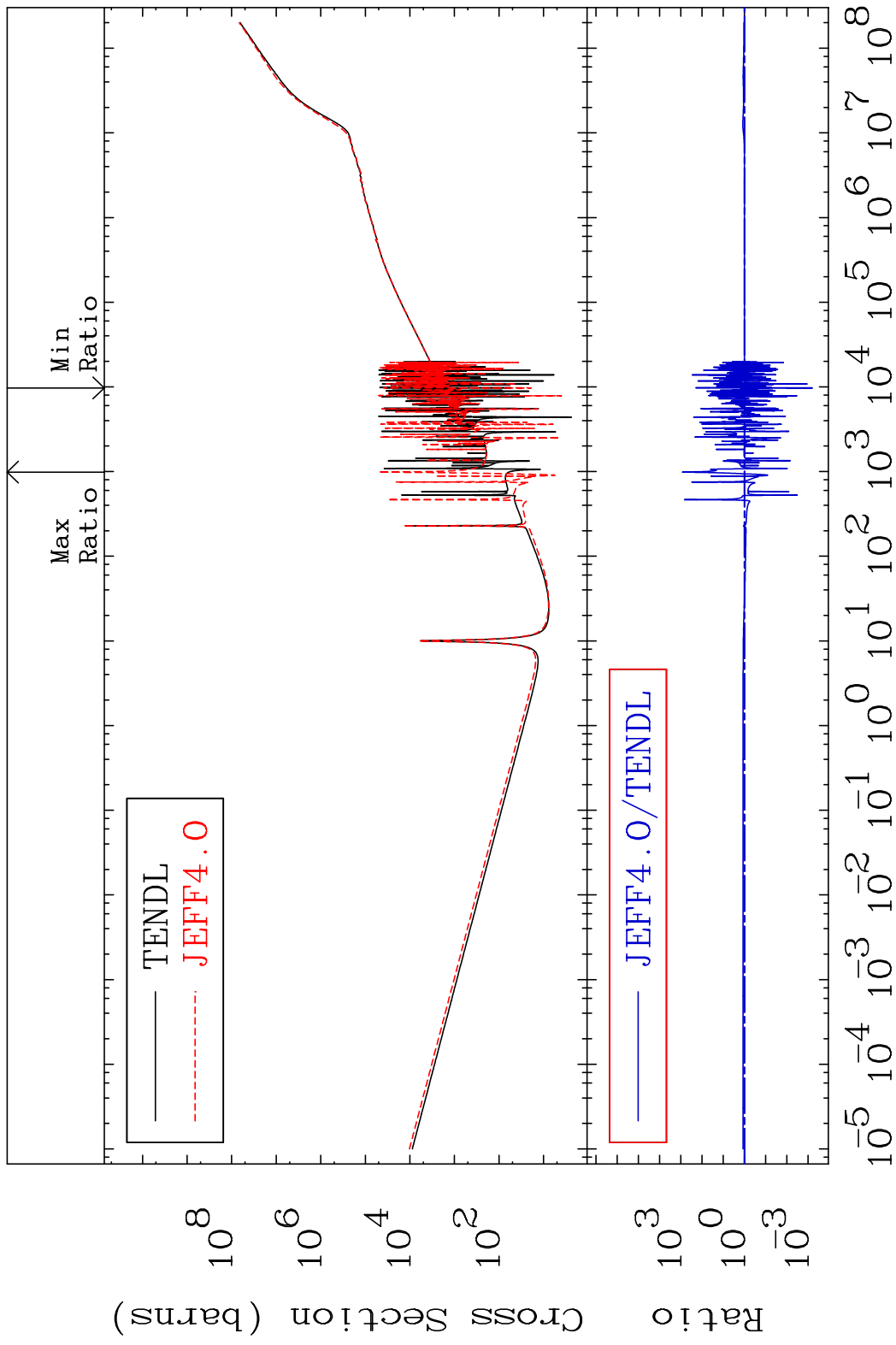


MAT 4437

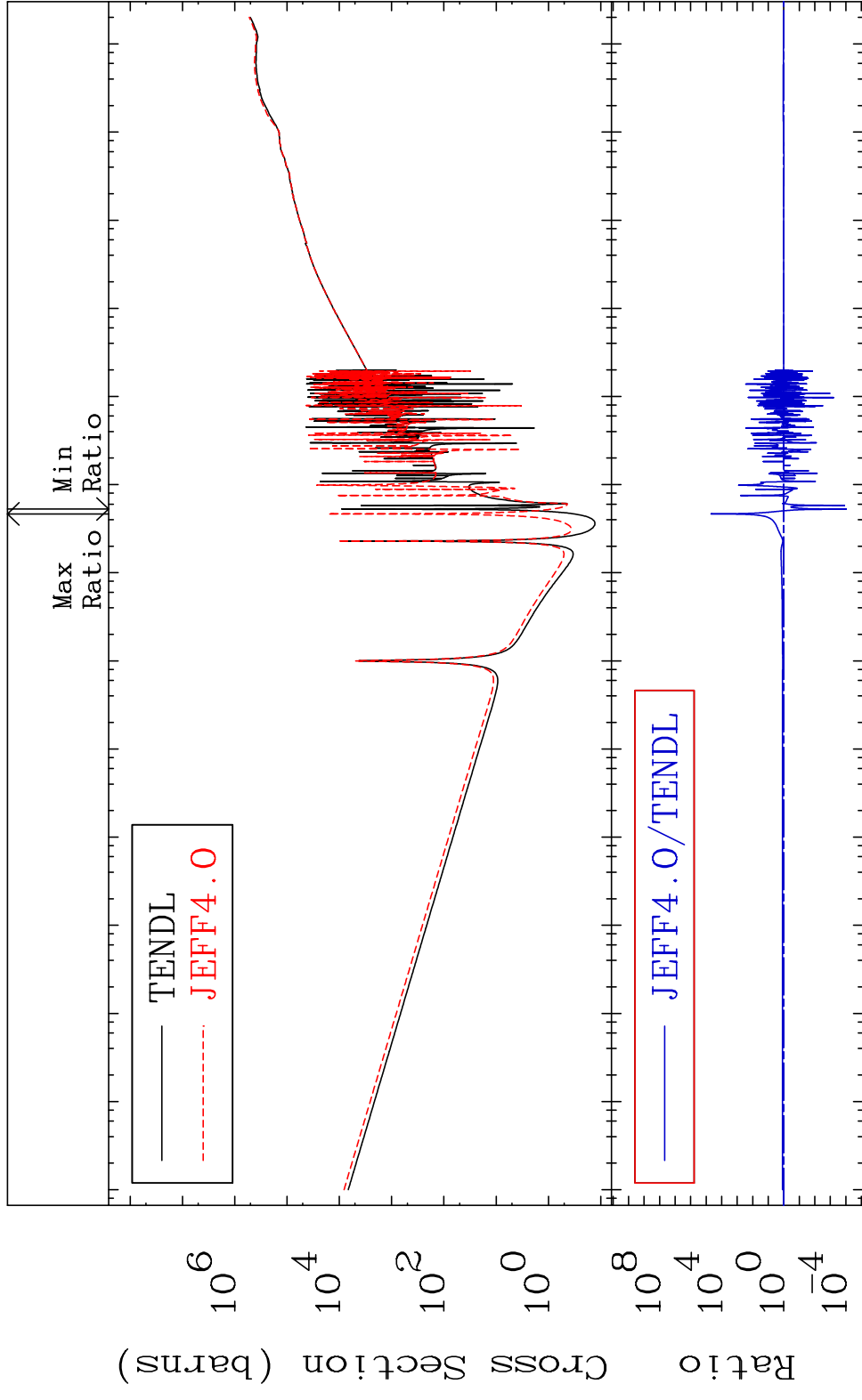
Total photon (eV-barns) 44-Ru-100
Cross Section -100.0 To 9999. %



MAT 4437 Total kinematic kerma (high limit) 44-Ru-100
 Cross Section -99.94 To 9999. %



MAT 4437 Dpa total (eV-barns) 44-Ru-100
 Cross Section -99.99 To 9999. %

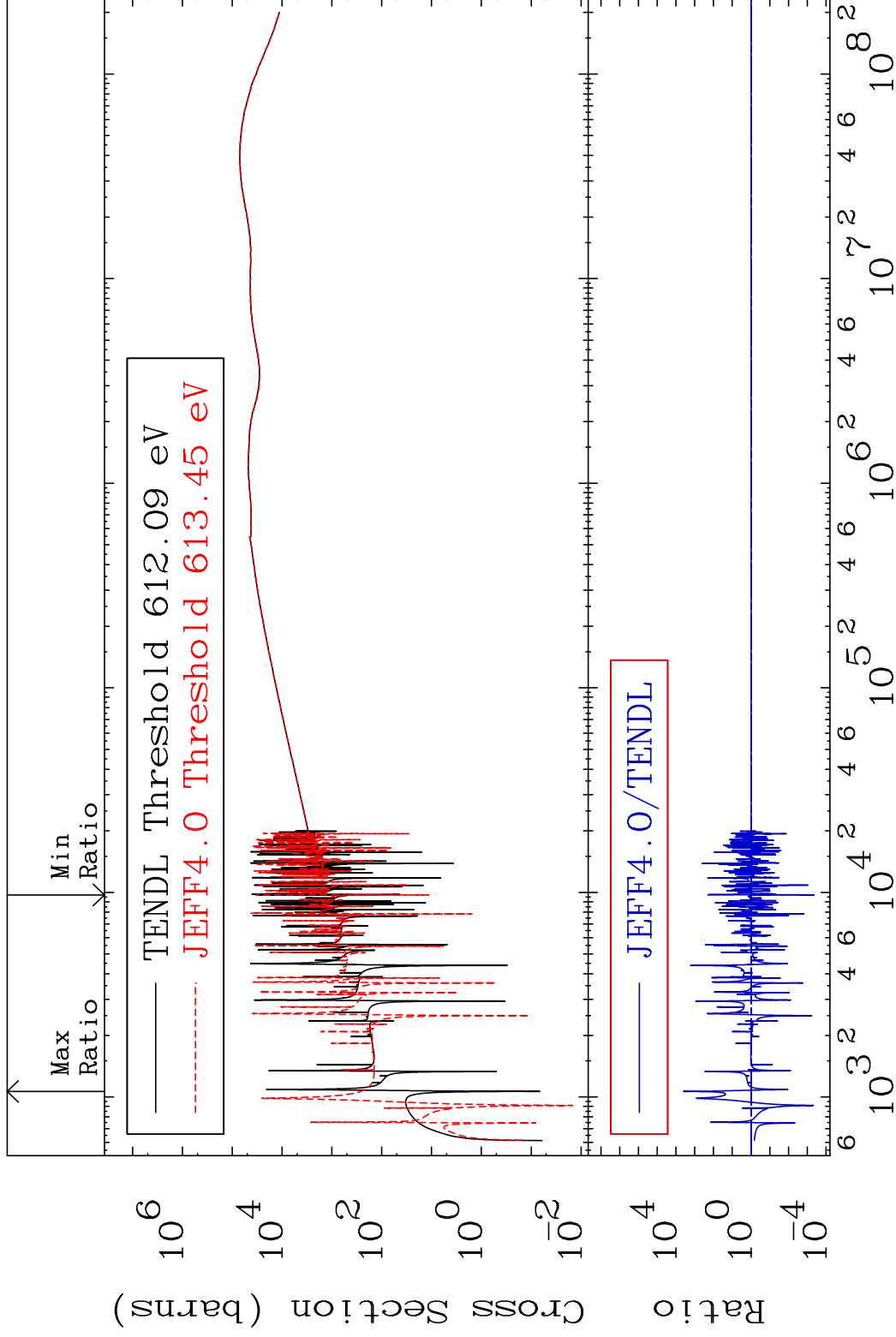


MAT 4437

Dpa elastic (mt2)

44-Ru-100

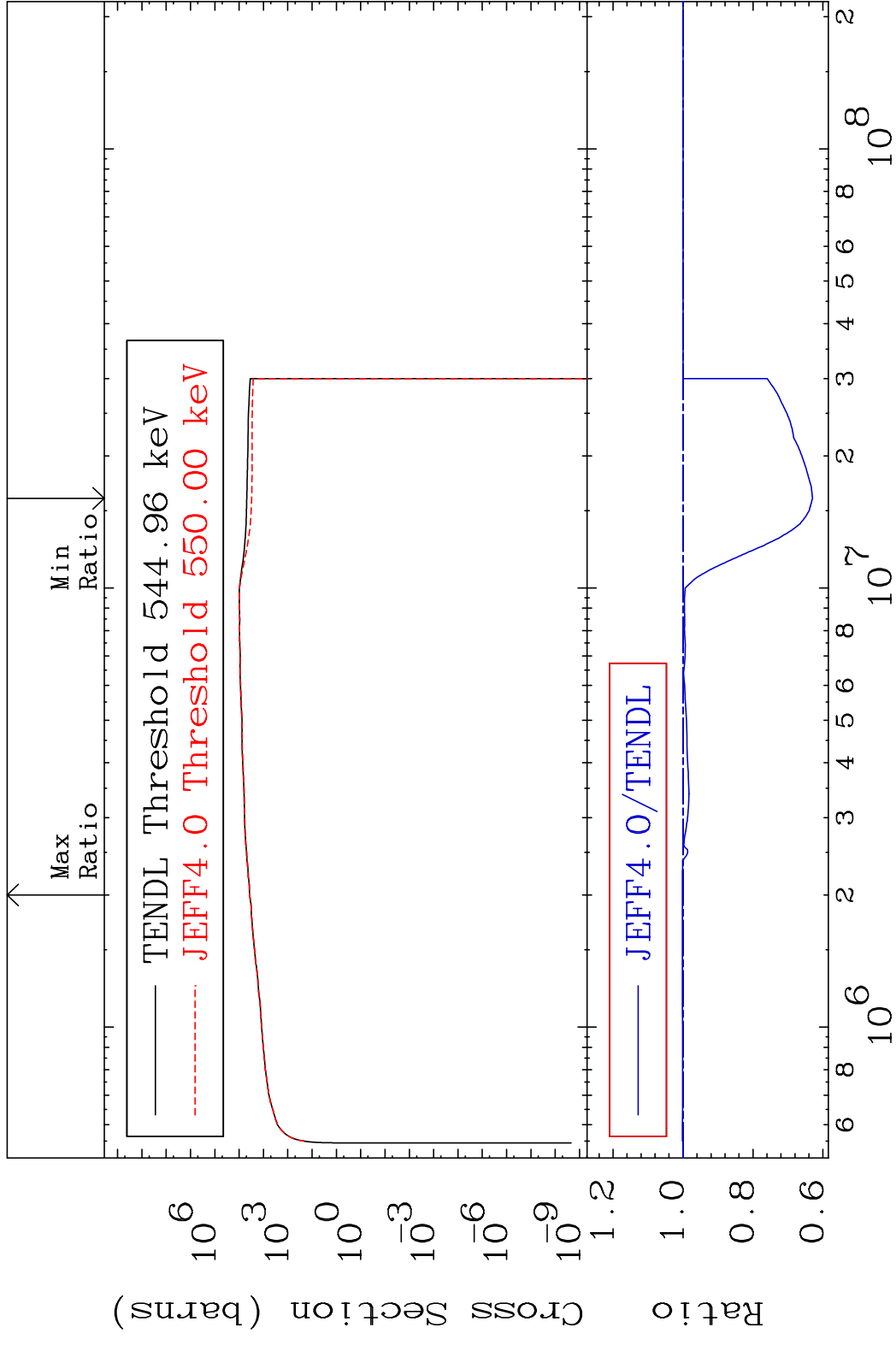
Cross Section -99.96 To 9999. %



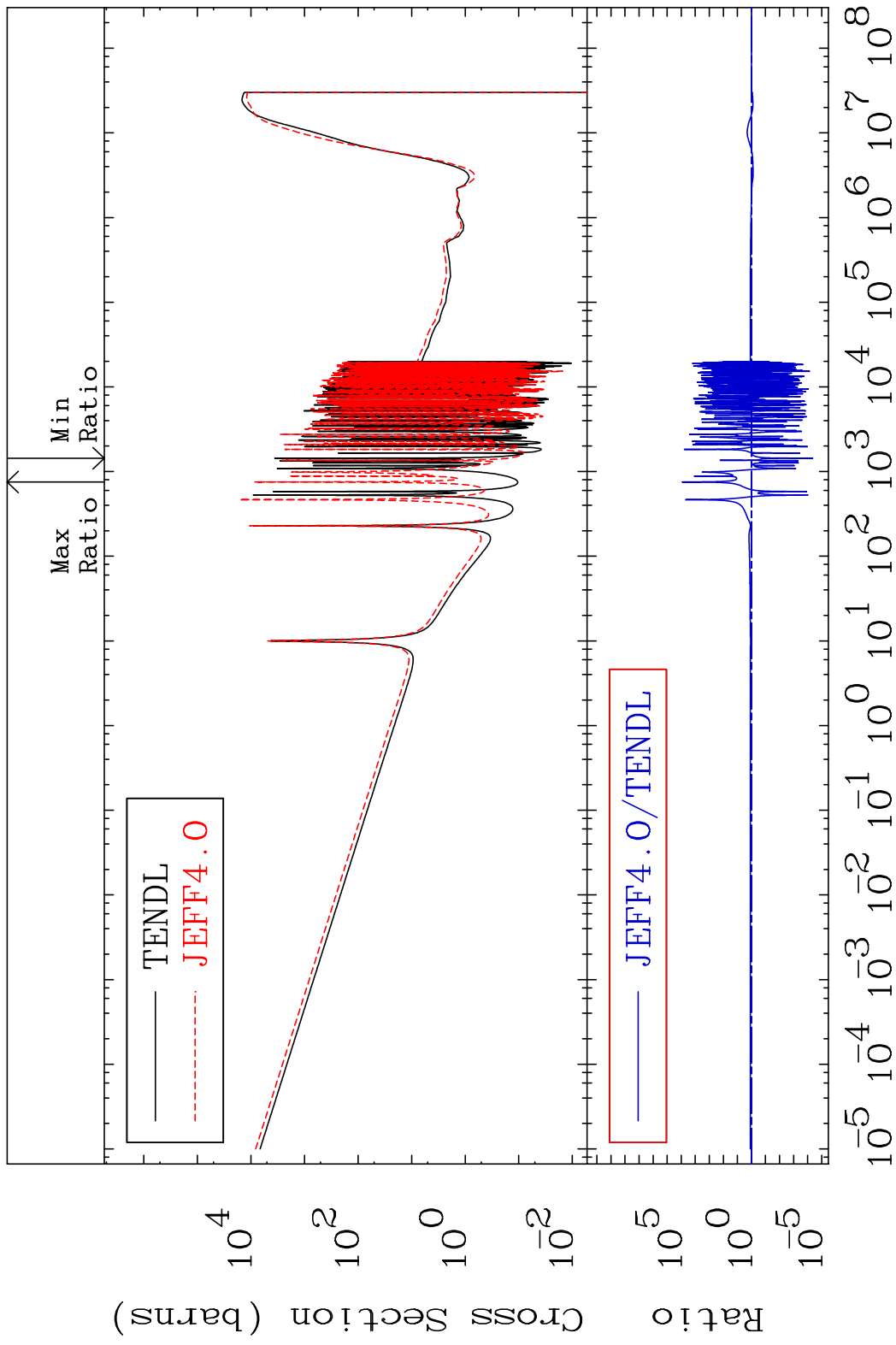
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Incident Energy (eV)

44-Ru-100

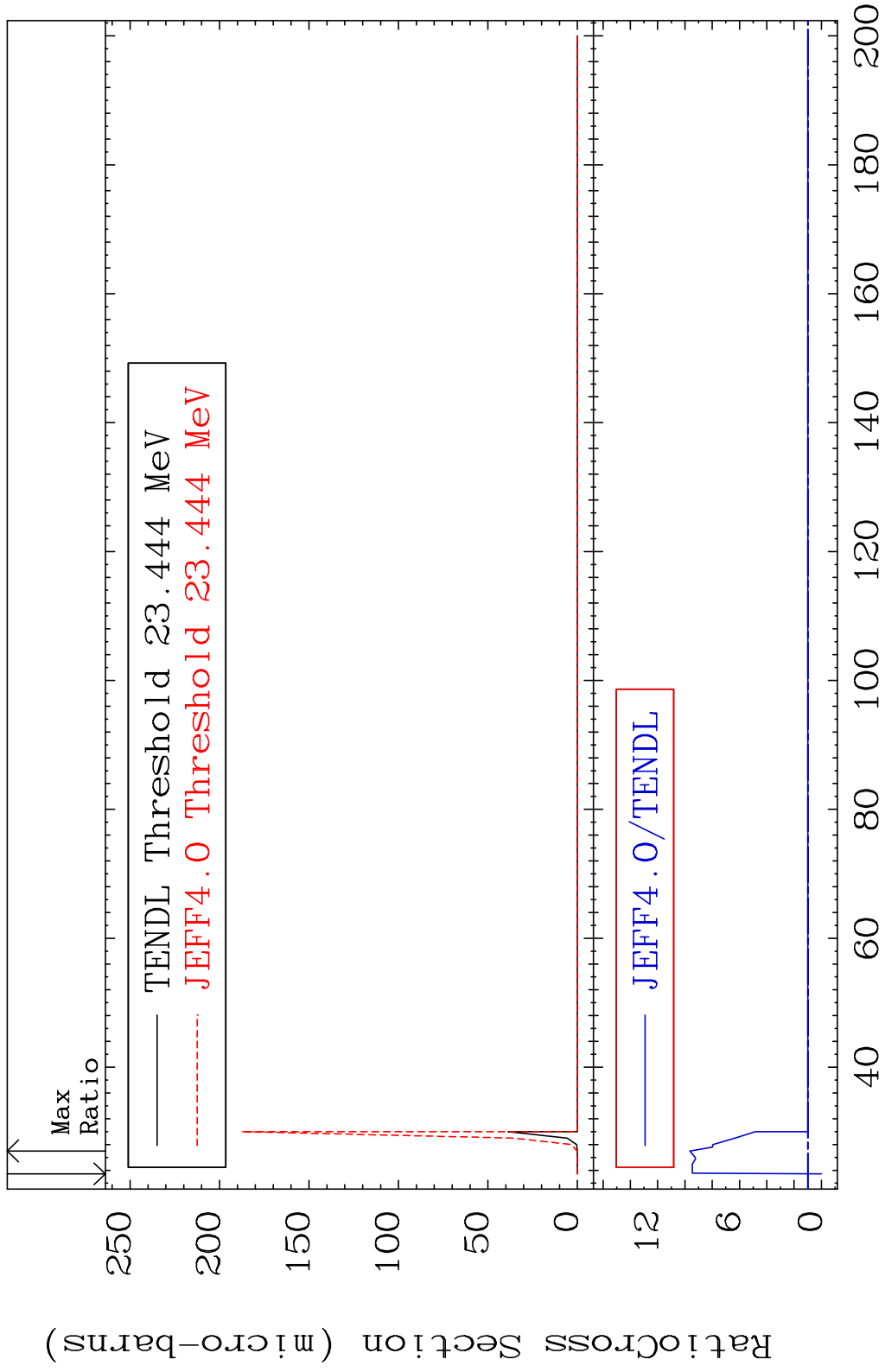


MAT 4437 Dpa disappearance (mt102 -120) 44-Ru-100
 Cross Section -100.0 To 9999. %

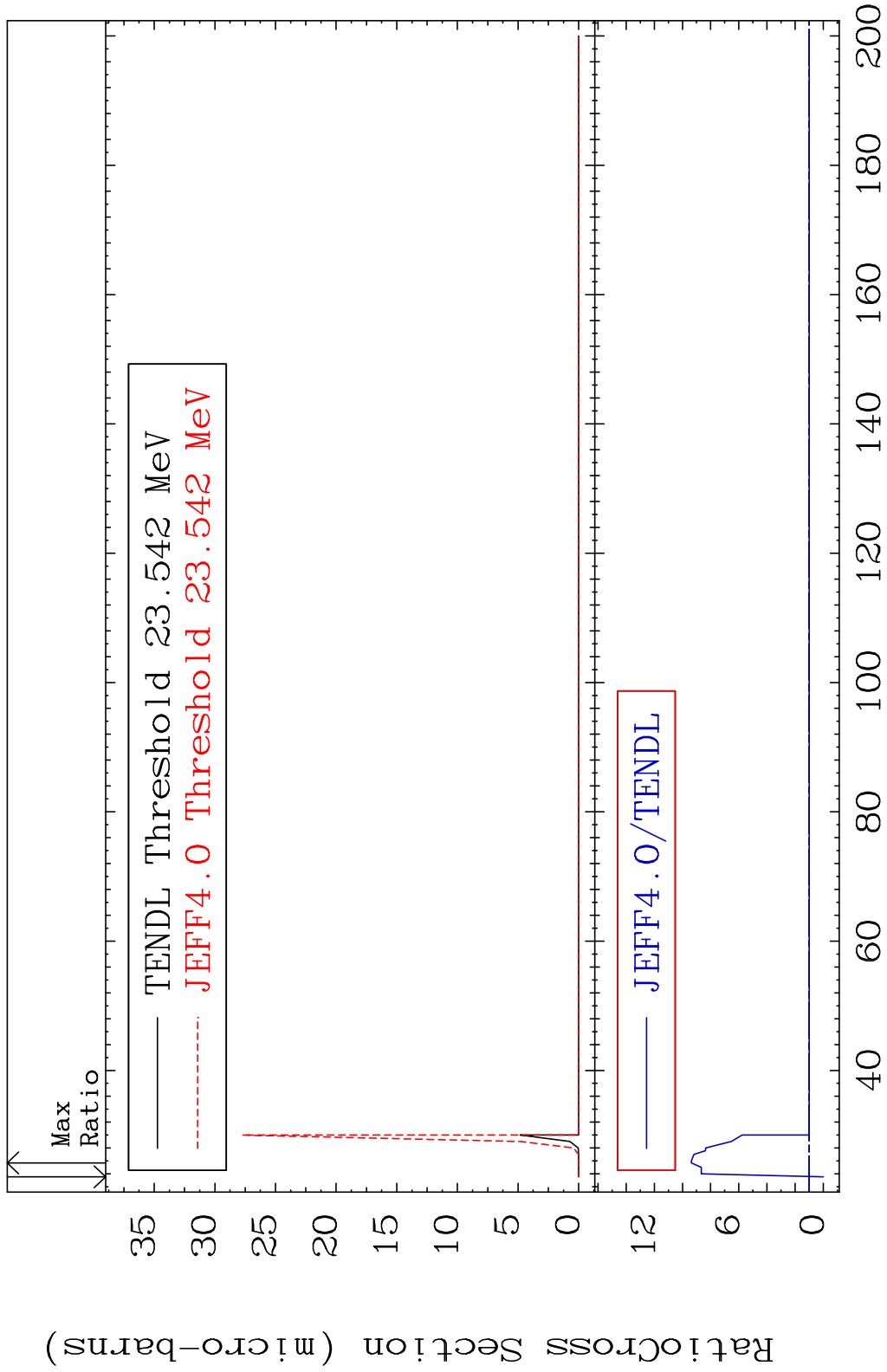


77 Incident Energy (eV) 44-Ru-100

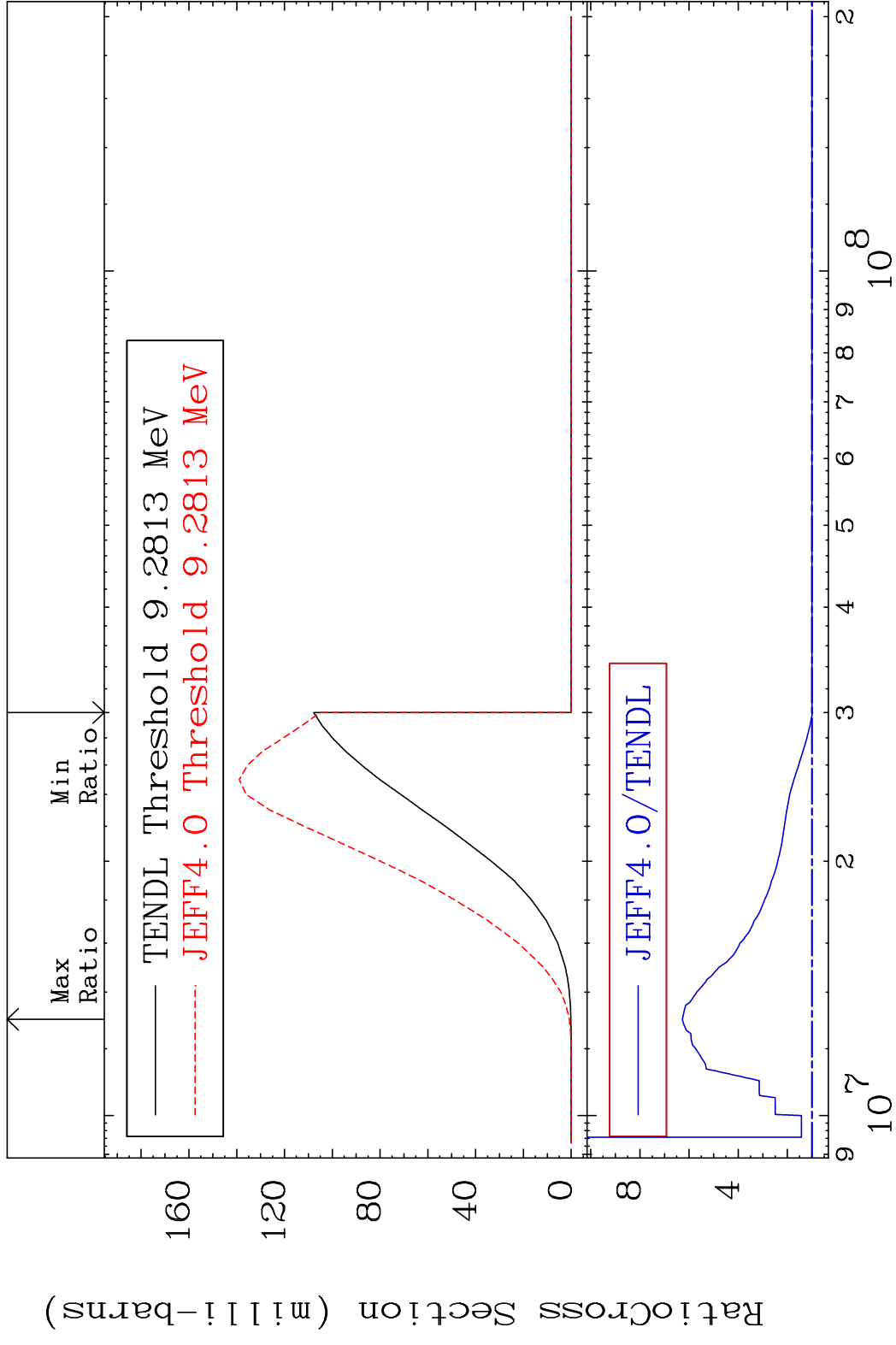
MAT 4437 (n,2n) d:43-Tc-97g 44-Ru-100
 Radionuclide Production Cross Section 180.01 dth 864.5 %

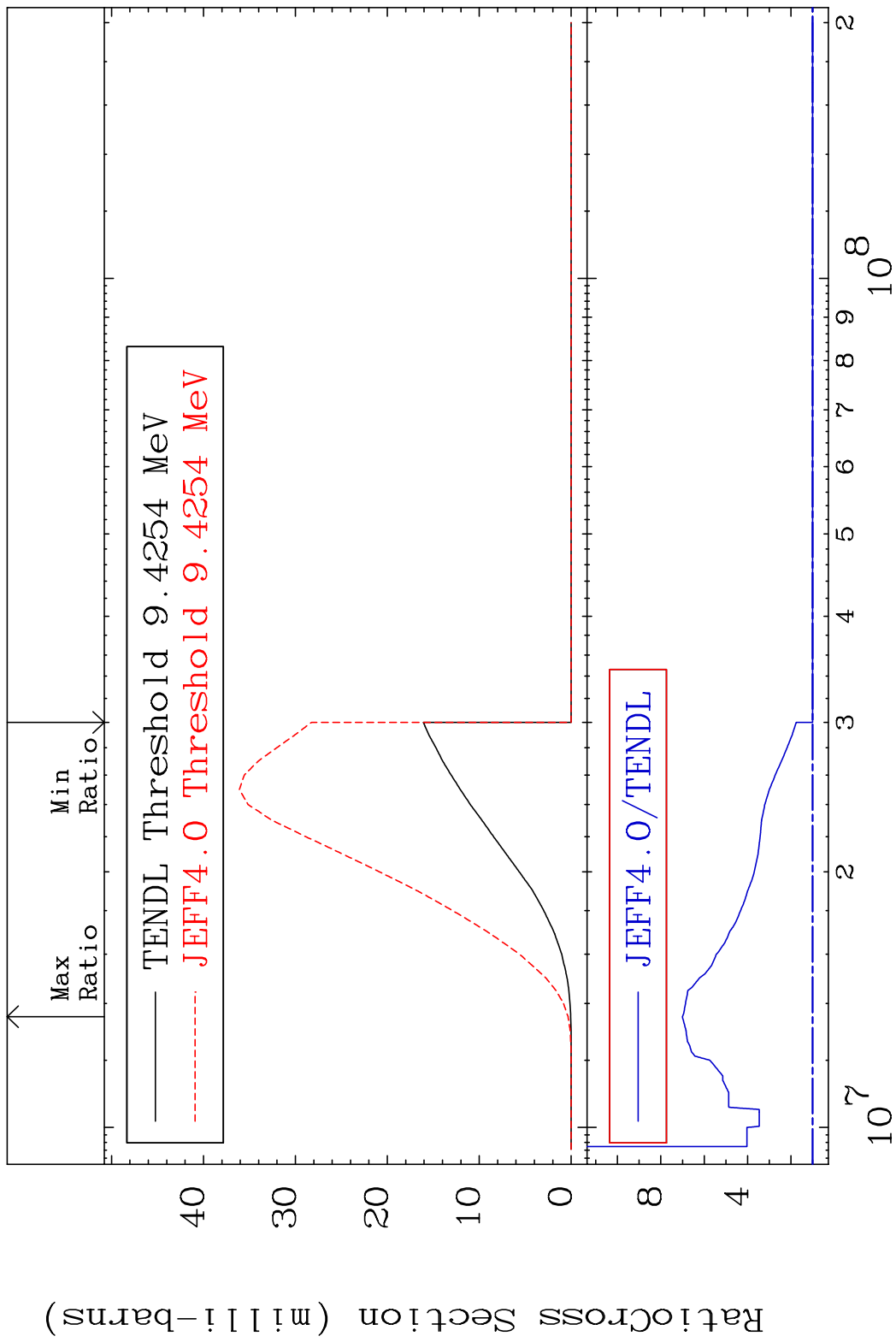


MAT 4437 (n,2n) d:43-Tc-97m1 44-Ru-100
 Radionuclide Production Cross Section 180.01 dth 837.1 %

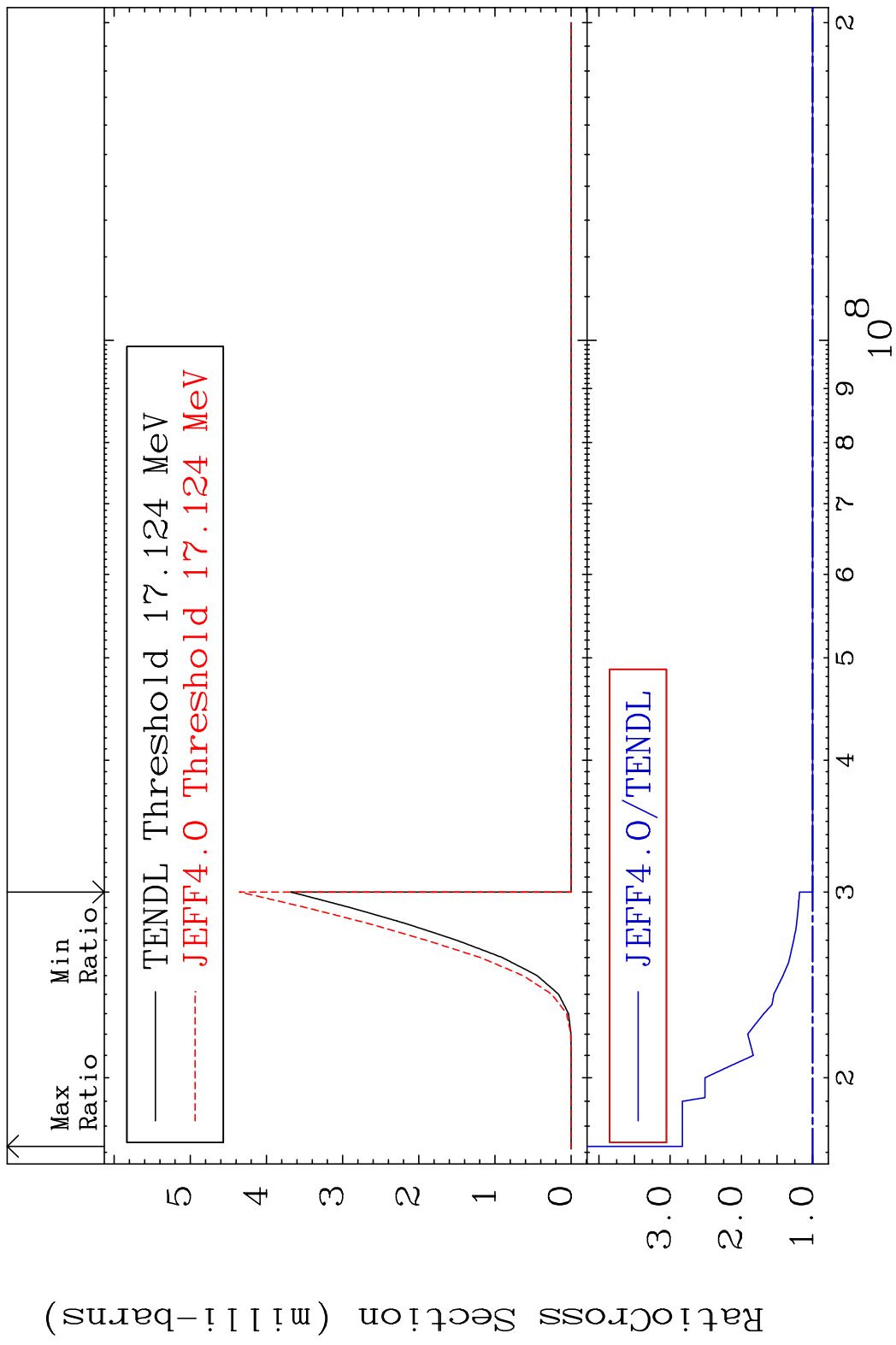


MAT 4437 (n, n') p:43-Tc-99g 44-Ru-100
 Radionuclide Production Cross Section 527.4 %

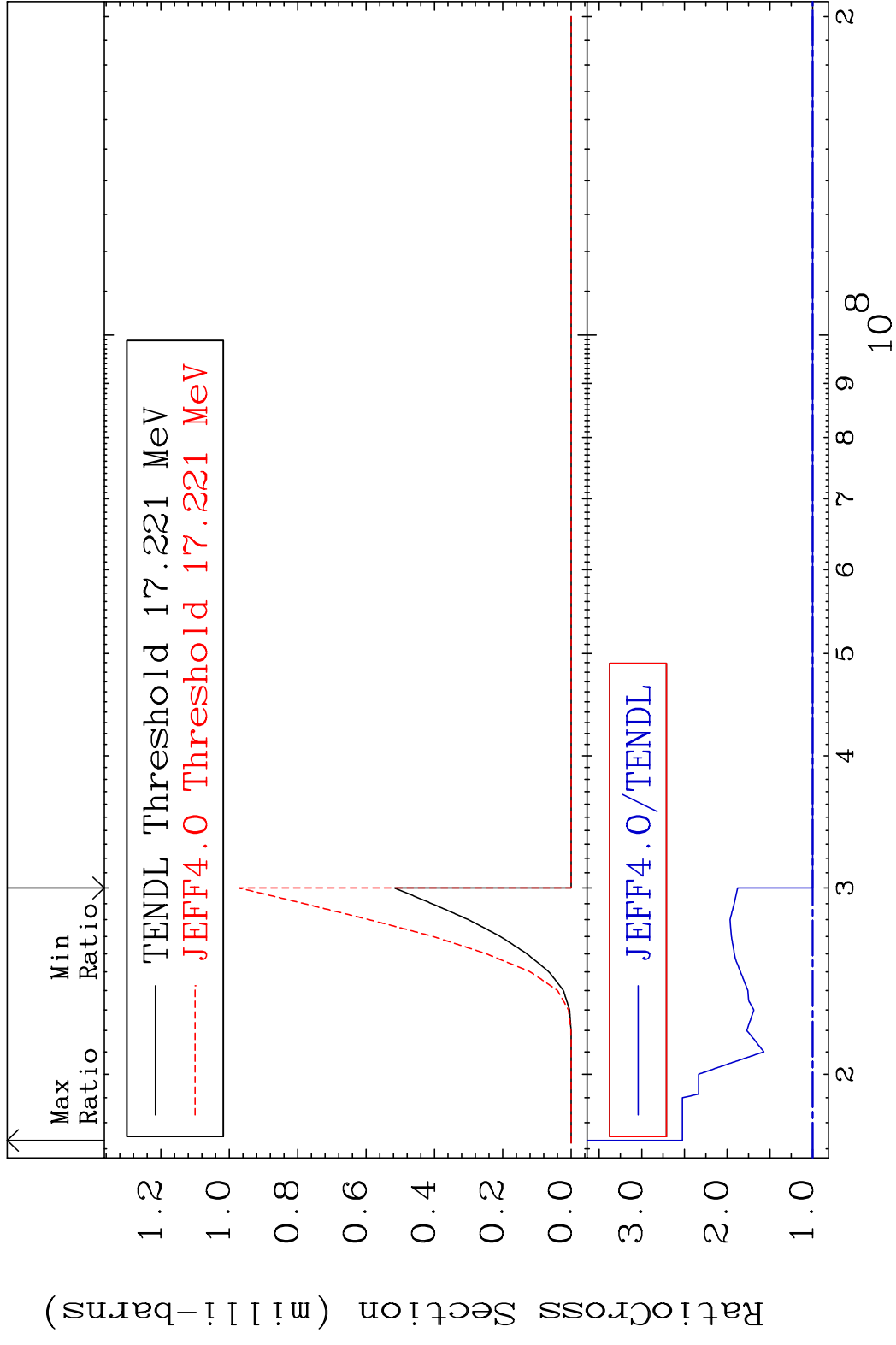


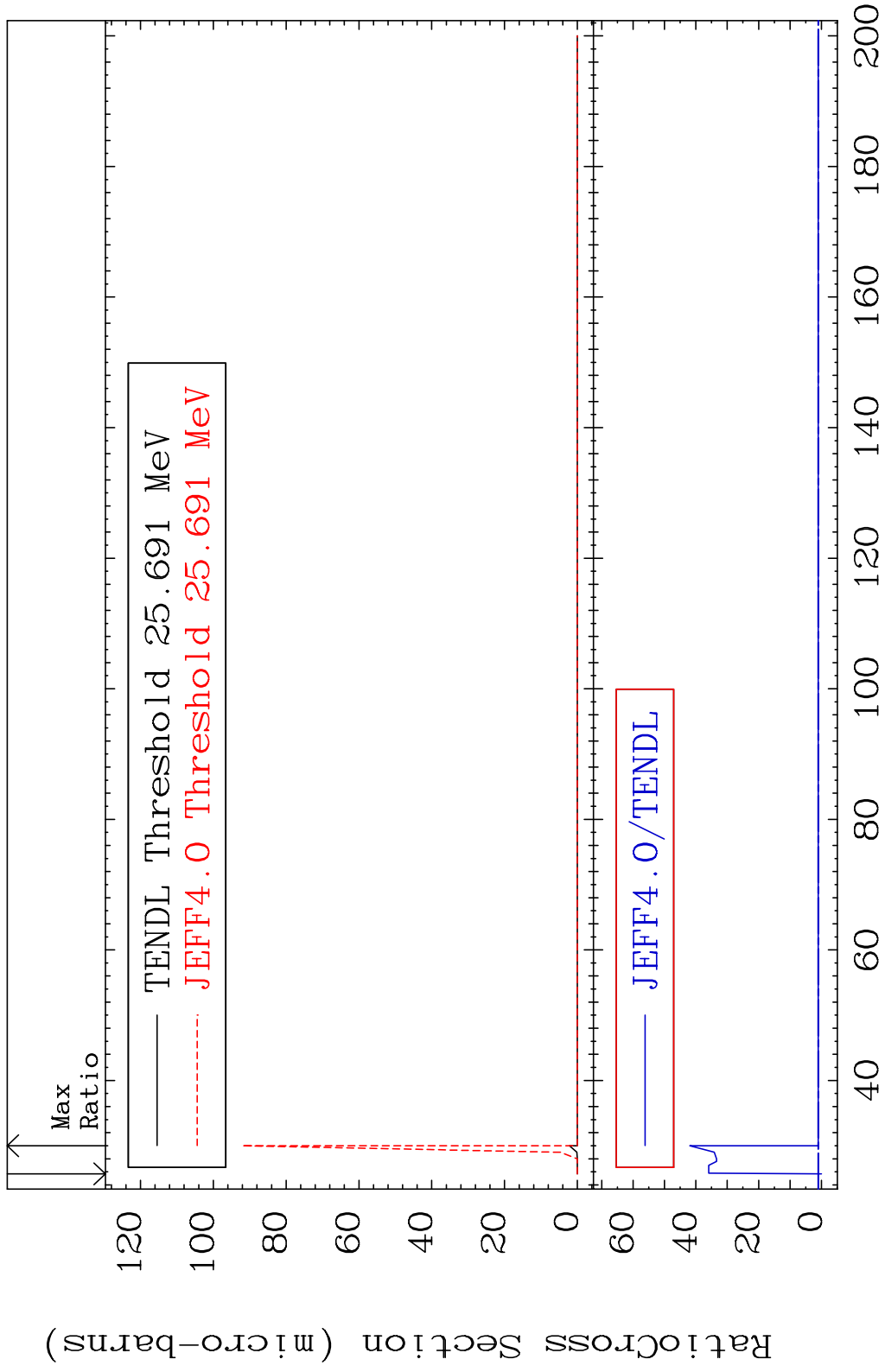


MAT 4437 (n, n') t:43-Tc-97g 44-Ru-100
 Radionuclide Production Cross Section 182.9 %

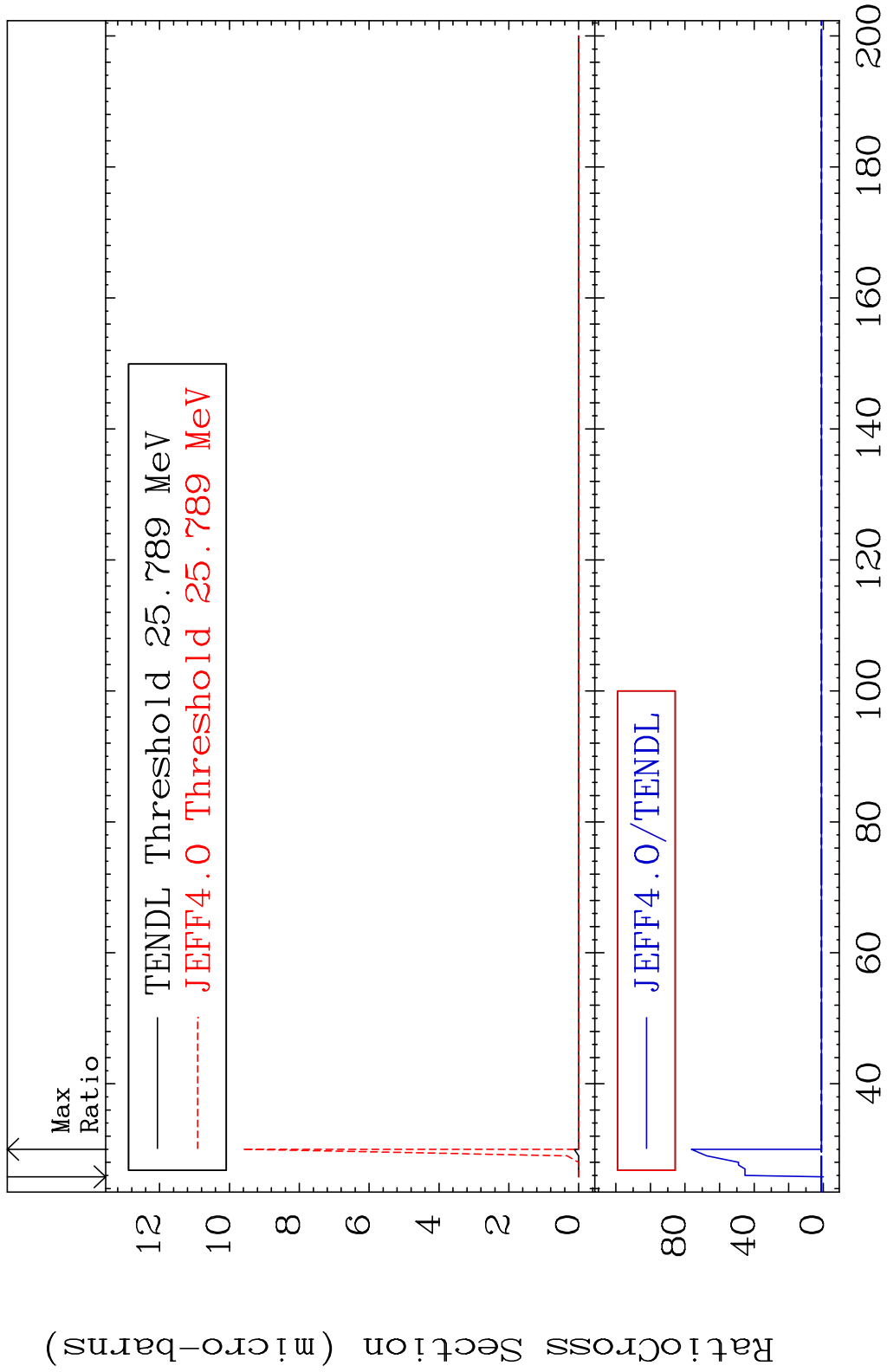


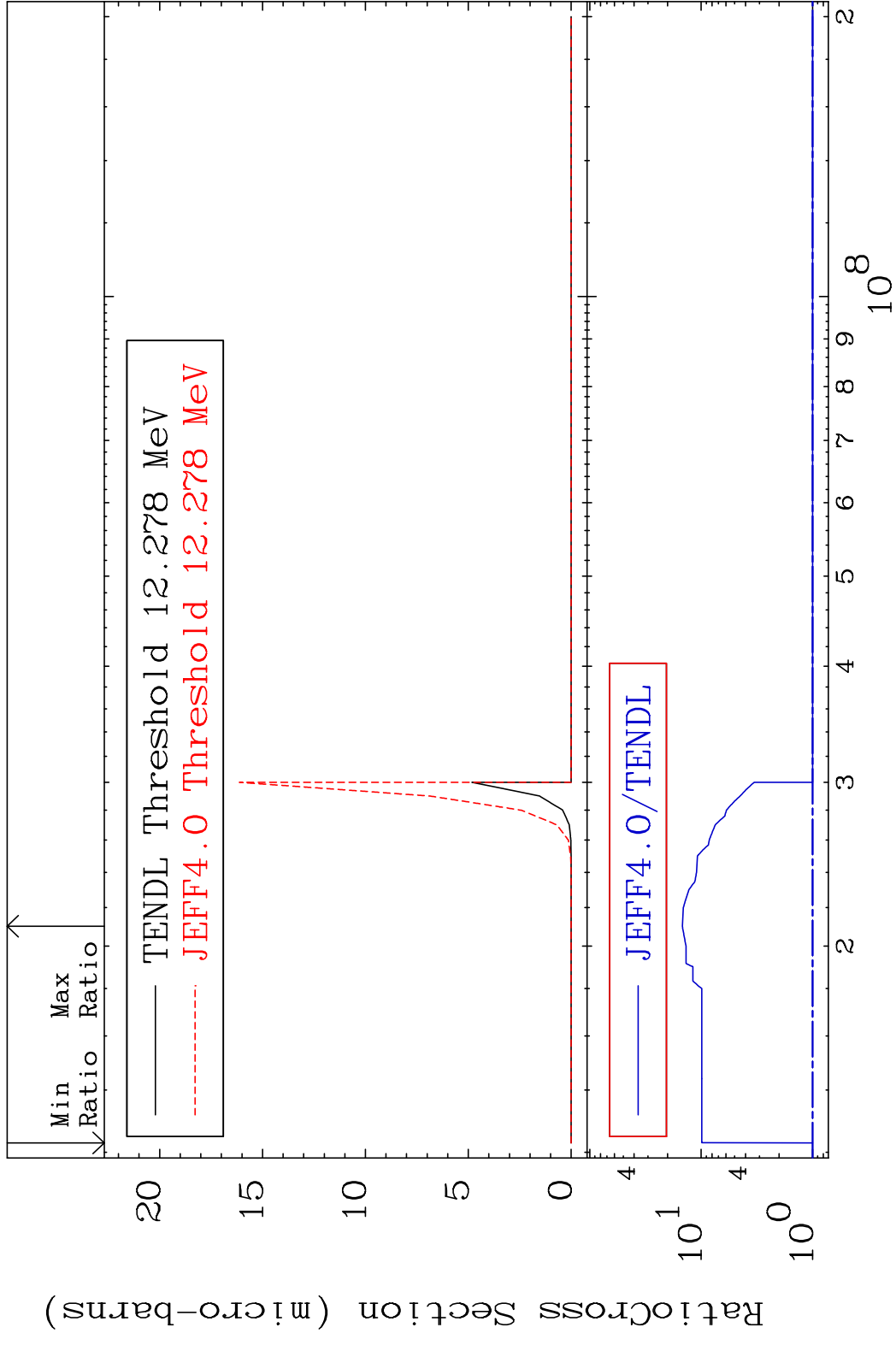
MAT 4437 (n, n') t:43-Tc-97m1 44-Ru-100
 Radionuclide Production Cross Section 152.5 %

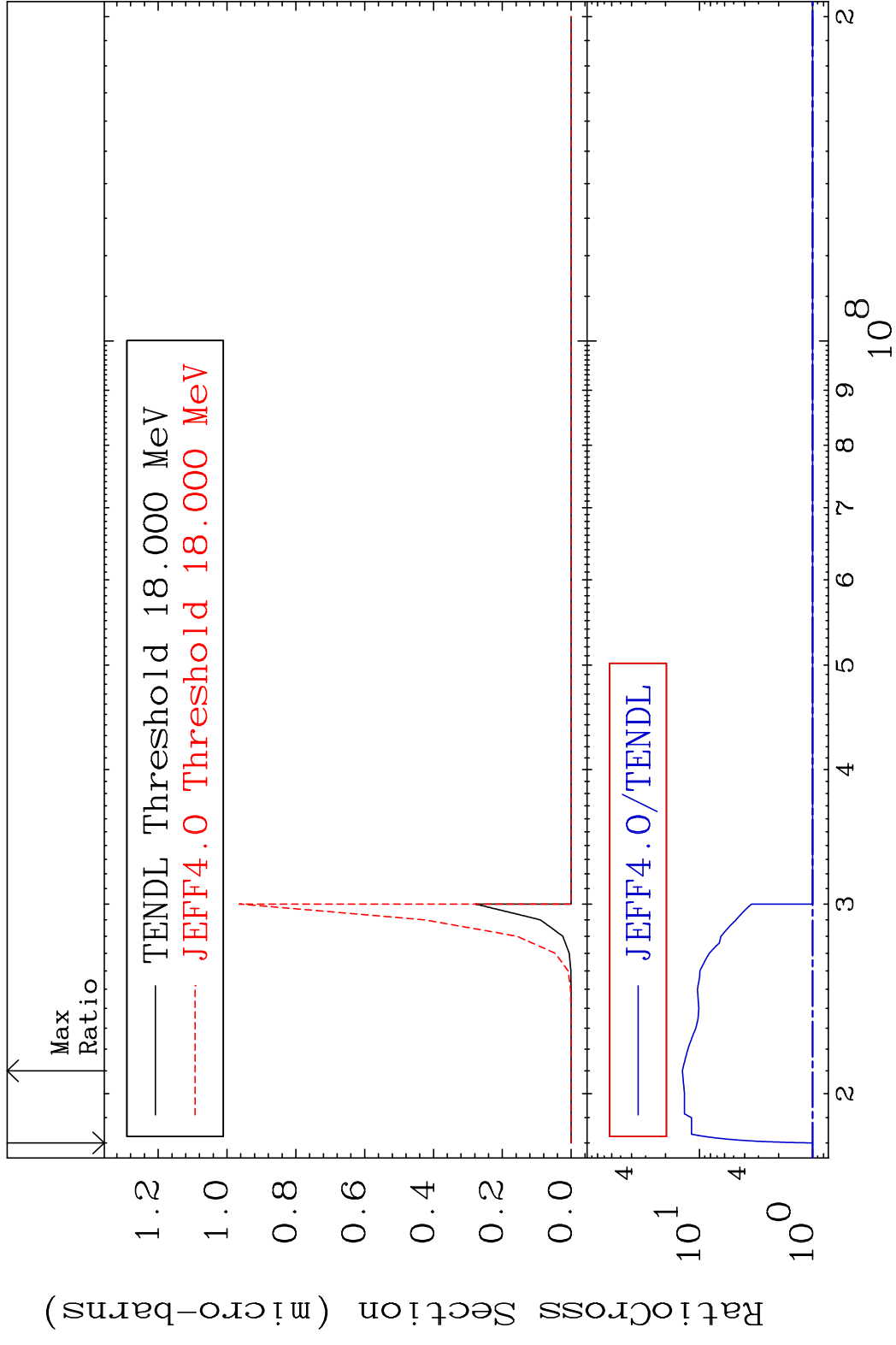




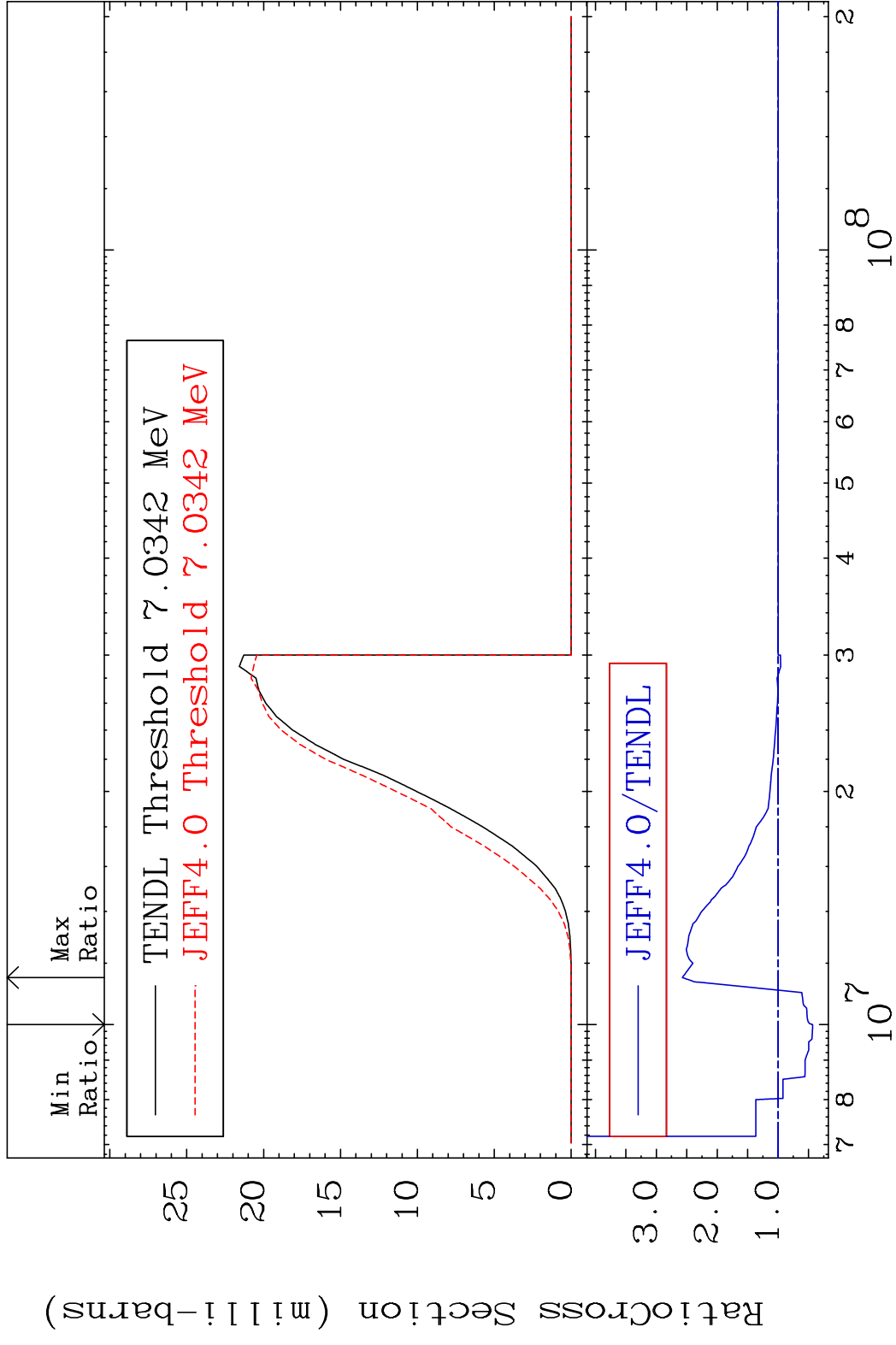
MAT 4437 (n,3n) p:43-Tc-97m1 44-Ru-100
 Radionuclide Production Cross Section 1800.0 dno 7533. %







MAT 4437 (n,d):43-Tc-99g 44-Ru-100
 Radionuclide Production Cross Section 586.6 mb 157.2 %

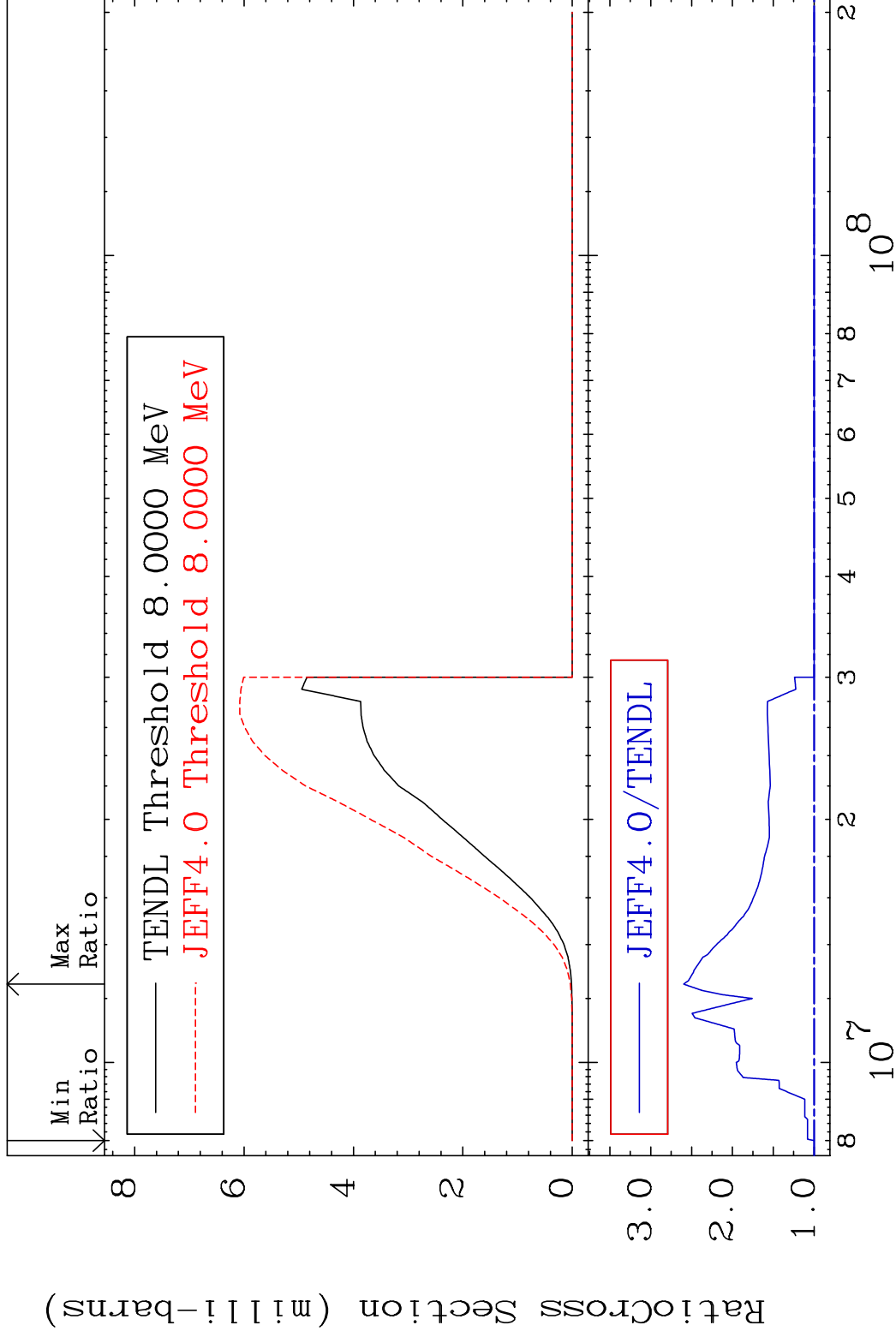


MAT 4437

(n, d): 43-Tc-99m2

44-Ru-100

Radionuclide Production Cross Section 159.7 %

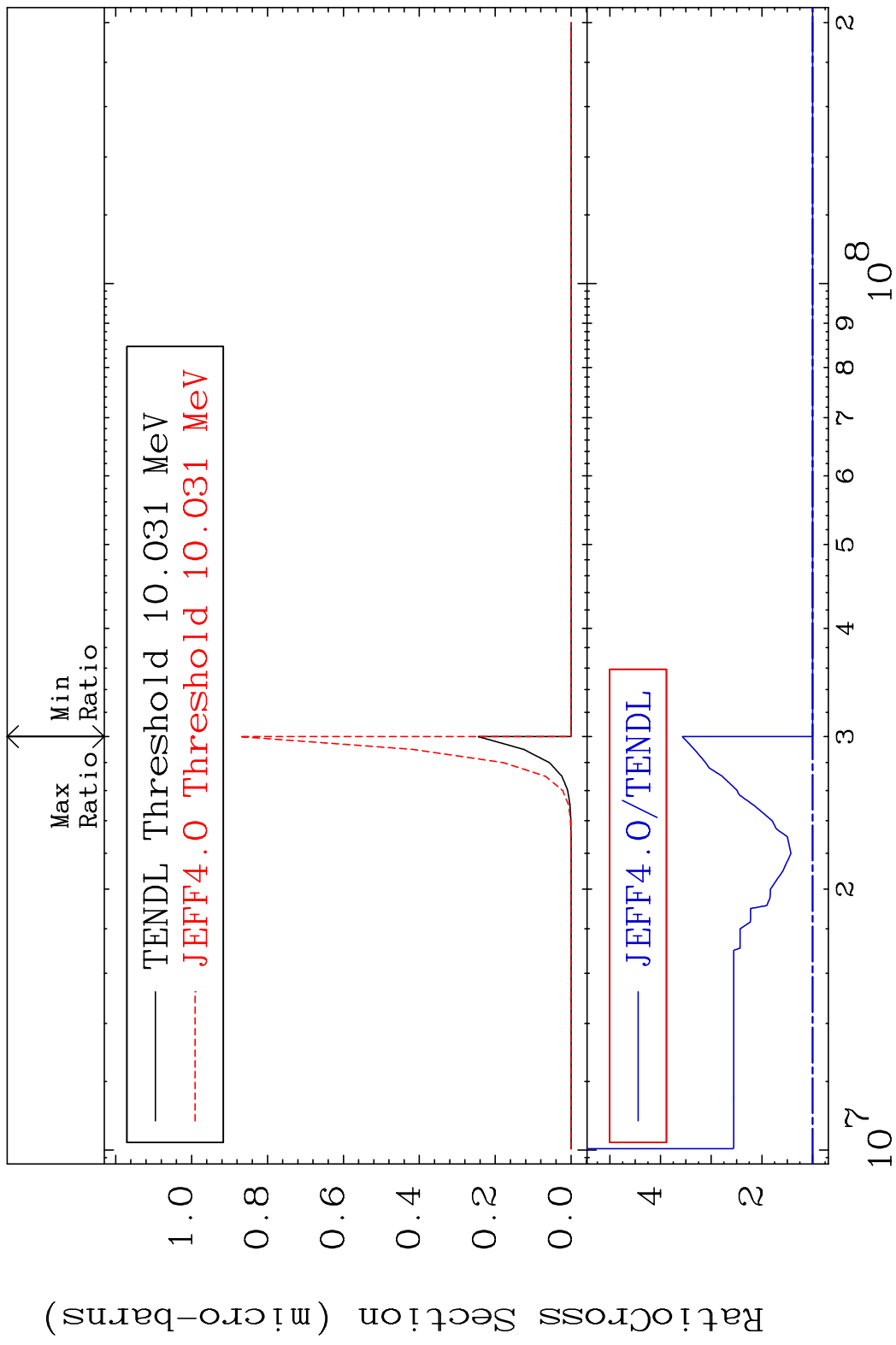


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Incident Energy (eV)

44-Ru-100

MAT 4437 (n, d) α :41-Nb-95g 44-Ru-100
 Radionuclide Production Cross Section 257.0 %



MAT 4437 (n, d) α :41-Nb-95m1 44-Ru-100
 Radionuclide Production Cross Section 202.8 %

