

Program Complot
(Version 2021-1)

by

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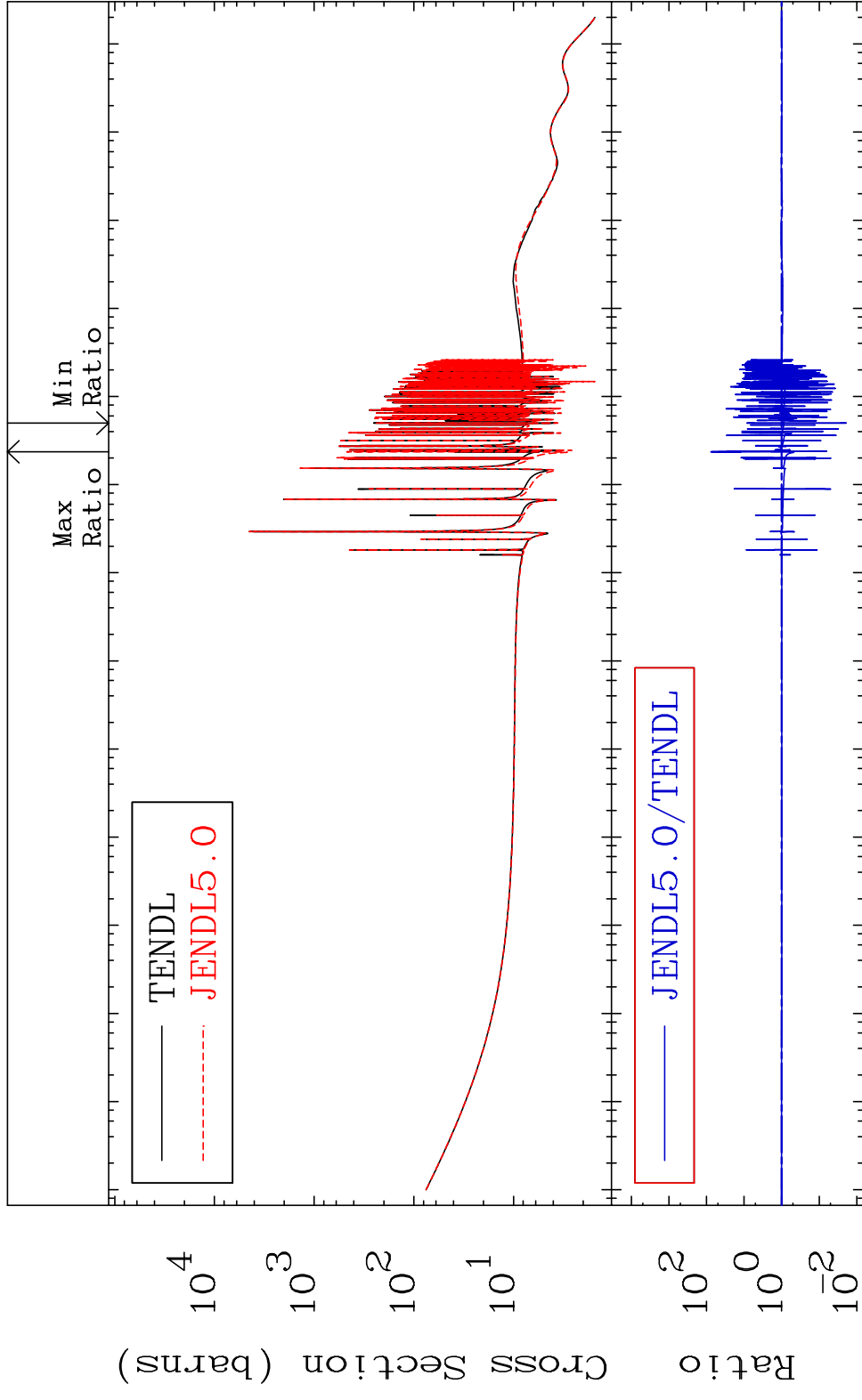
Press Mouse Button to Start

MAT 4028

Total

40-Zr-91

Cross Section -98.11 To 7648. %



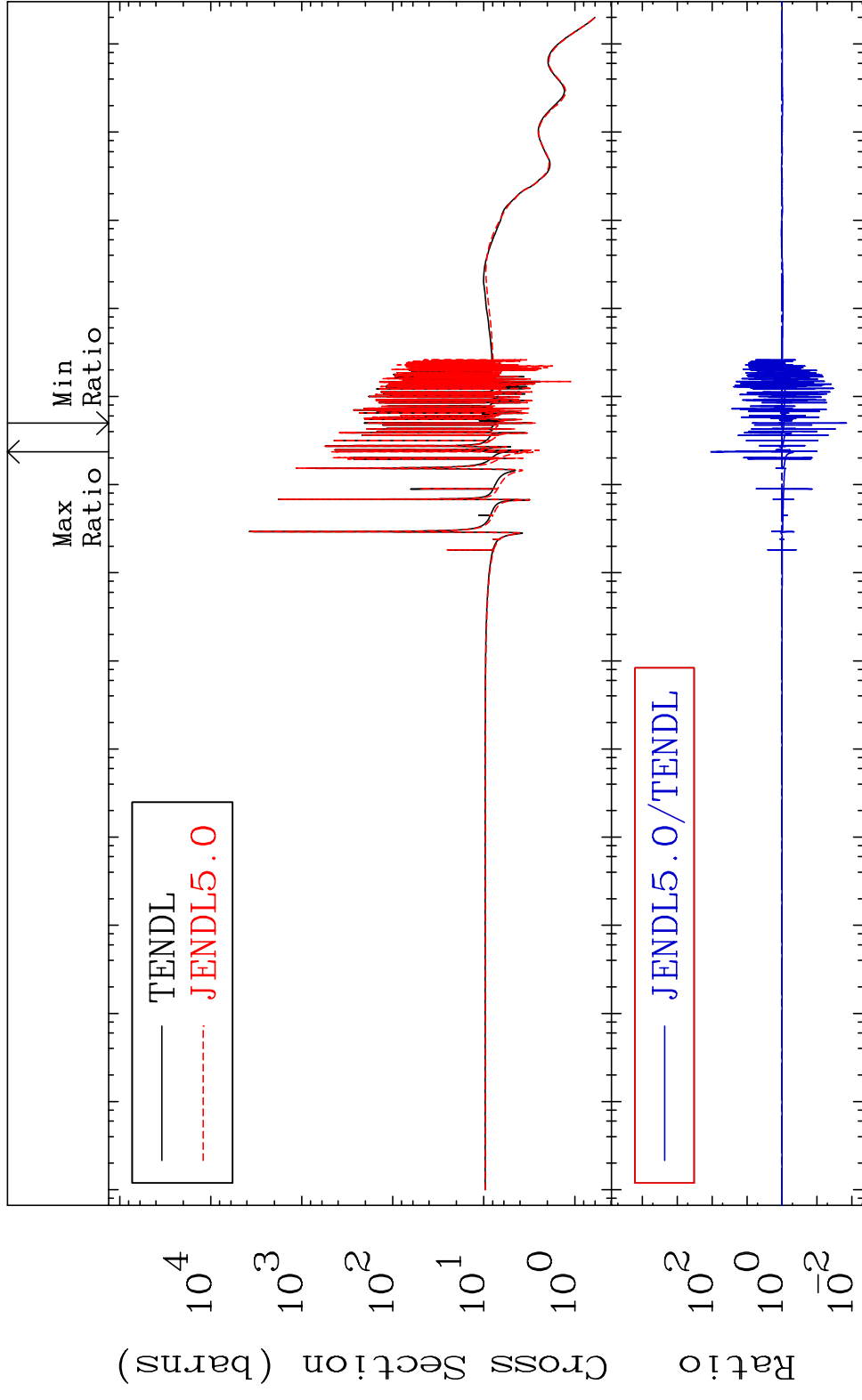
1

Incident Energy (eV)

40-Zr-91

MAT 4028

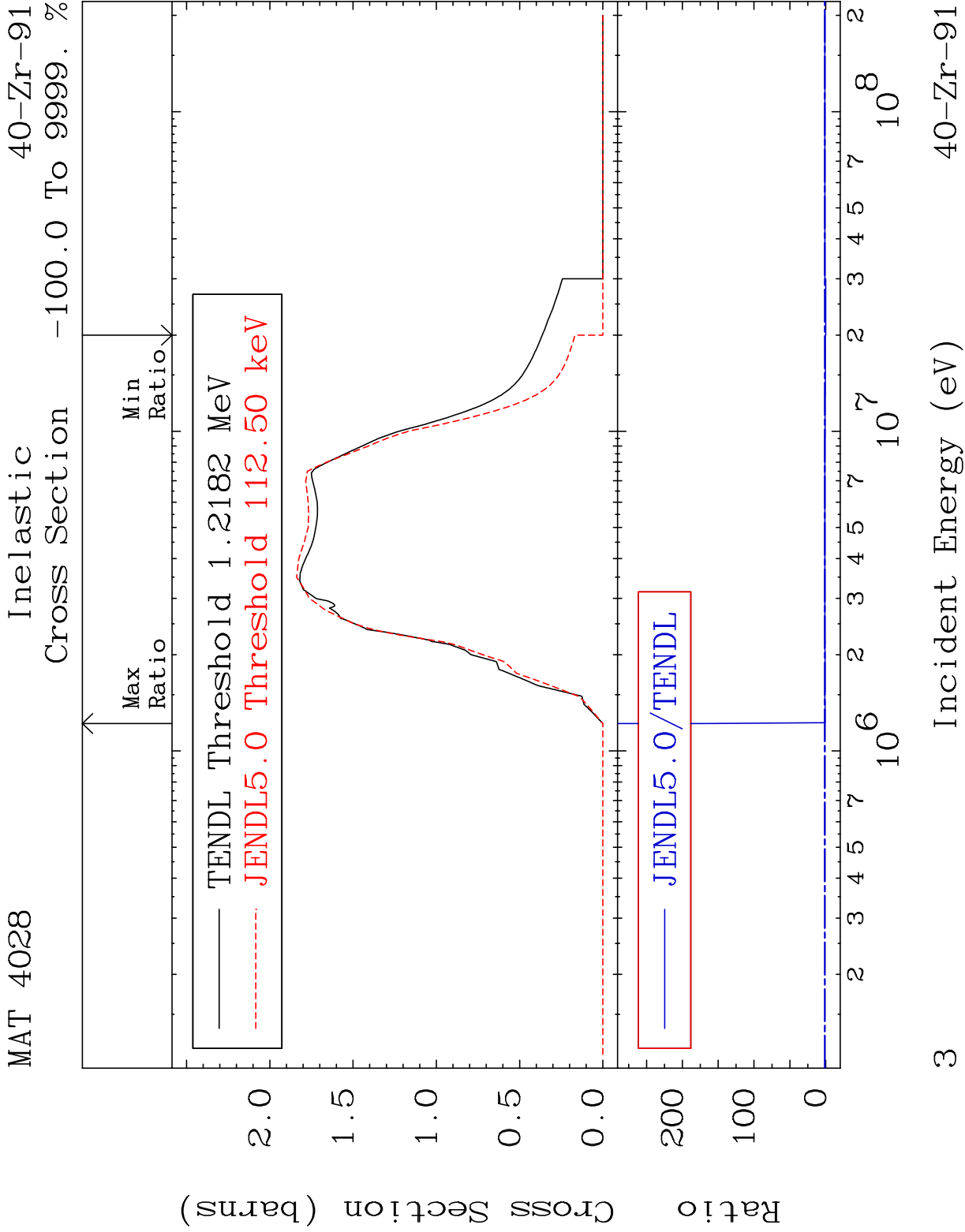
Elastic Cross Section -98.56 To 9999. % 40-Zr-91



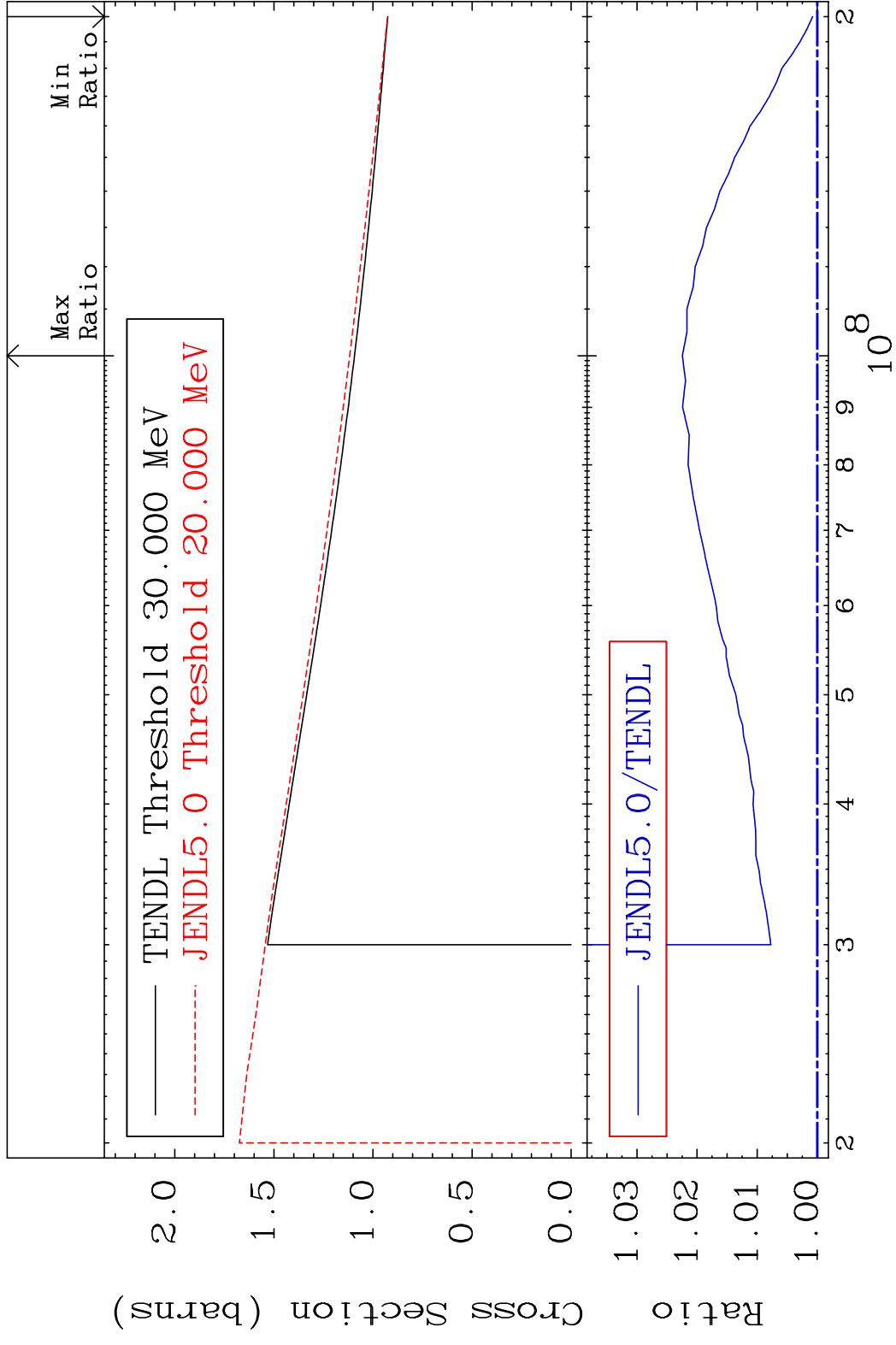
2

Incident Energy (eV)

40-Zr-91

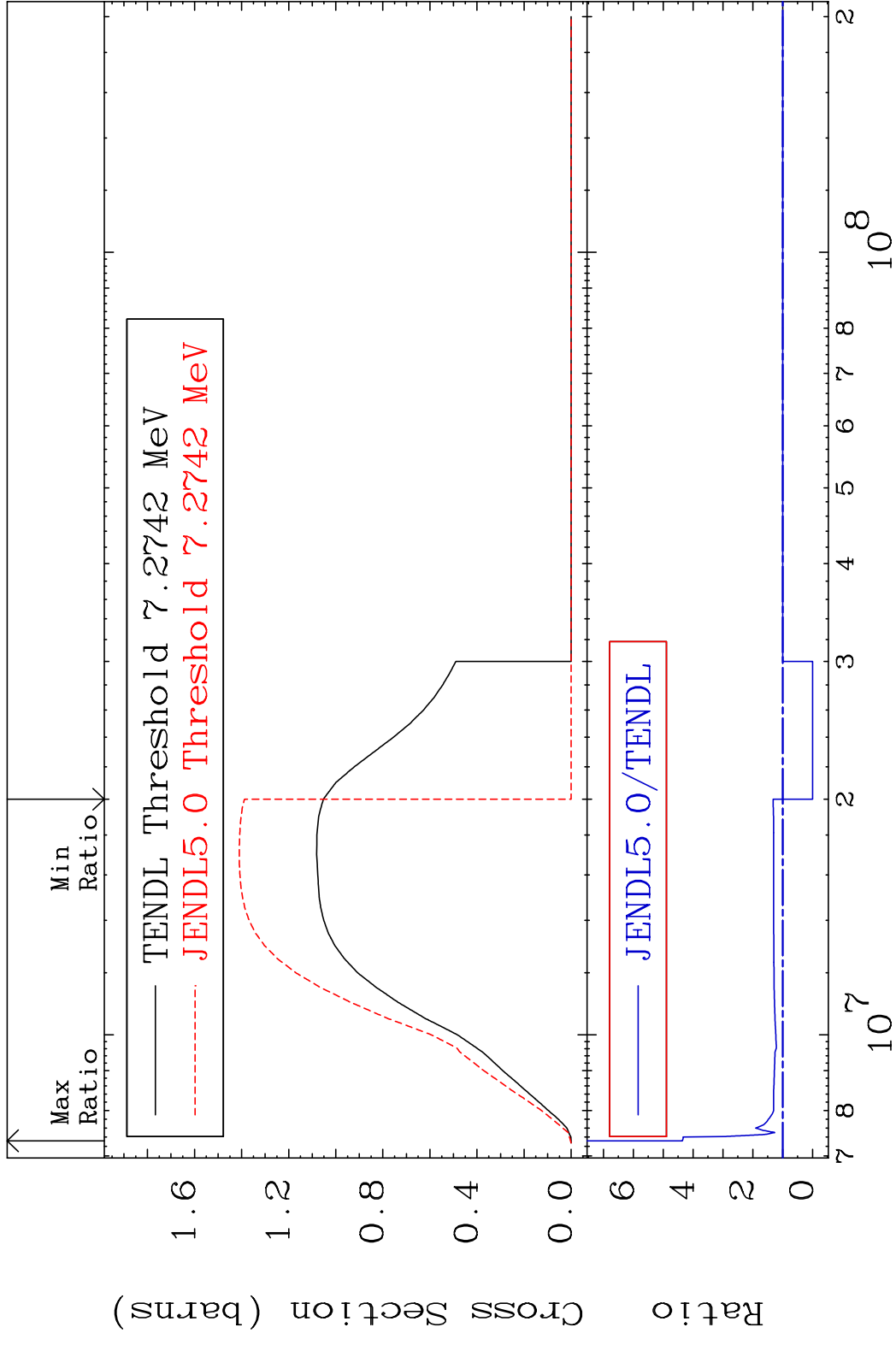


MAT 4028 (n, remainder) 40-Zr-91
 Cross Section 0.078 To 2.245 %



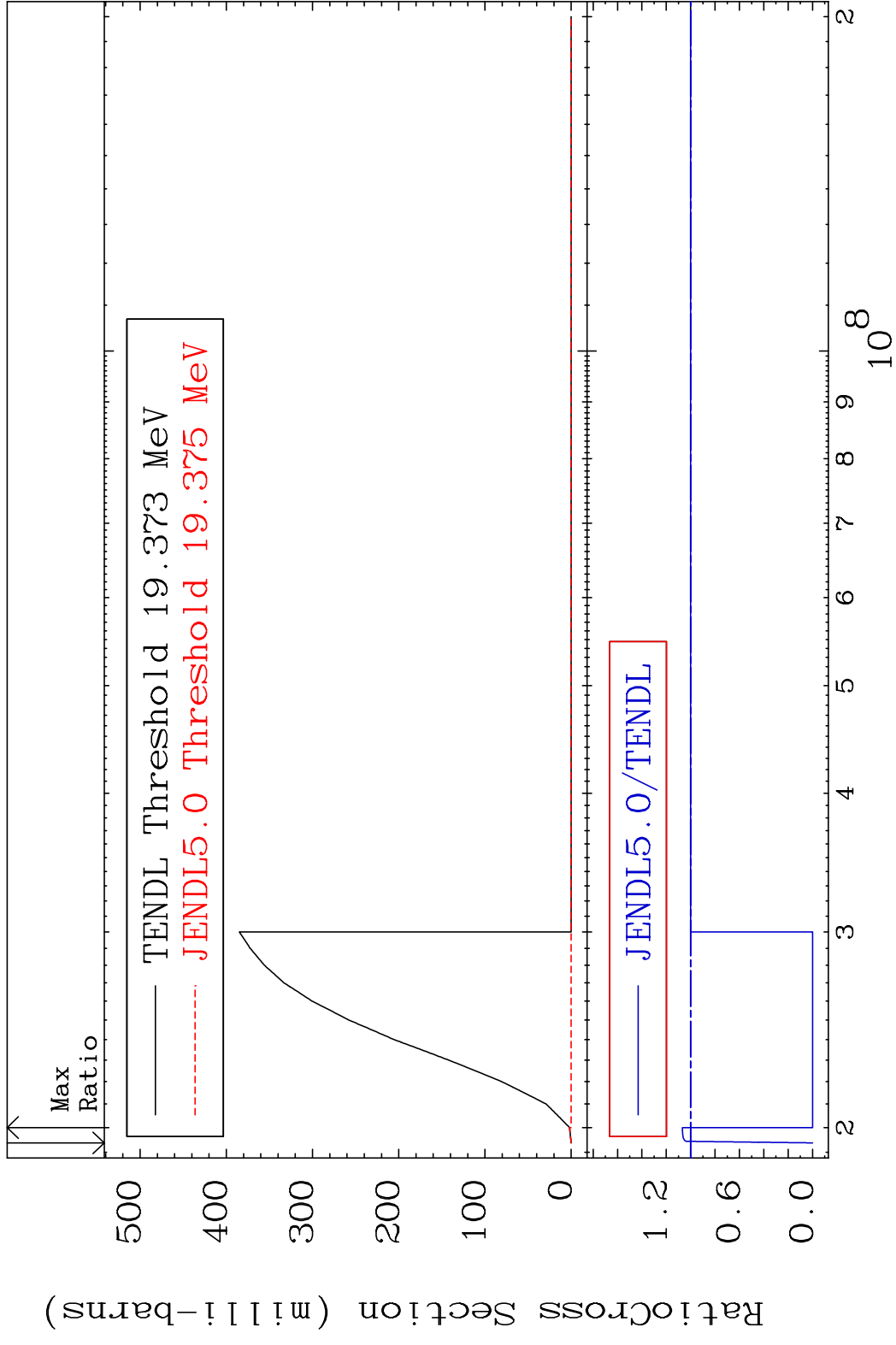
4 Incident Energy (eV) 40-Zr-91

MAT 4028 (n,2n) 40-Zr-91
 Cross Section -100.0 To 335.8 %

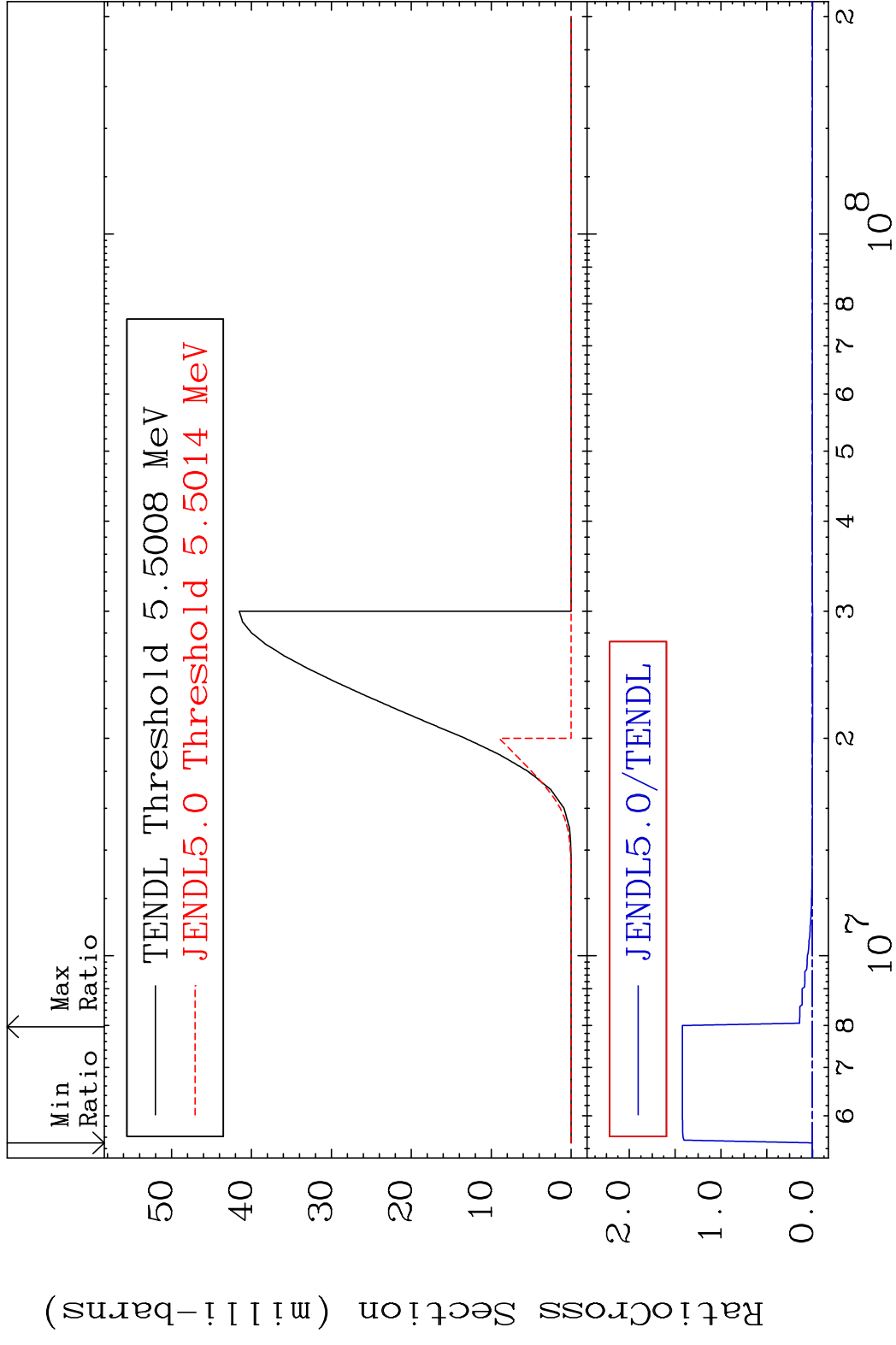


5 Incident Energy (eV) 40-Zr-91

MAT 4028 (n,3n) 40-Zr-91
 Cross Section -100.0 To 6.809 %

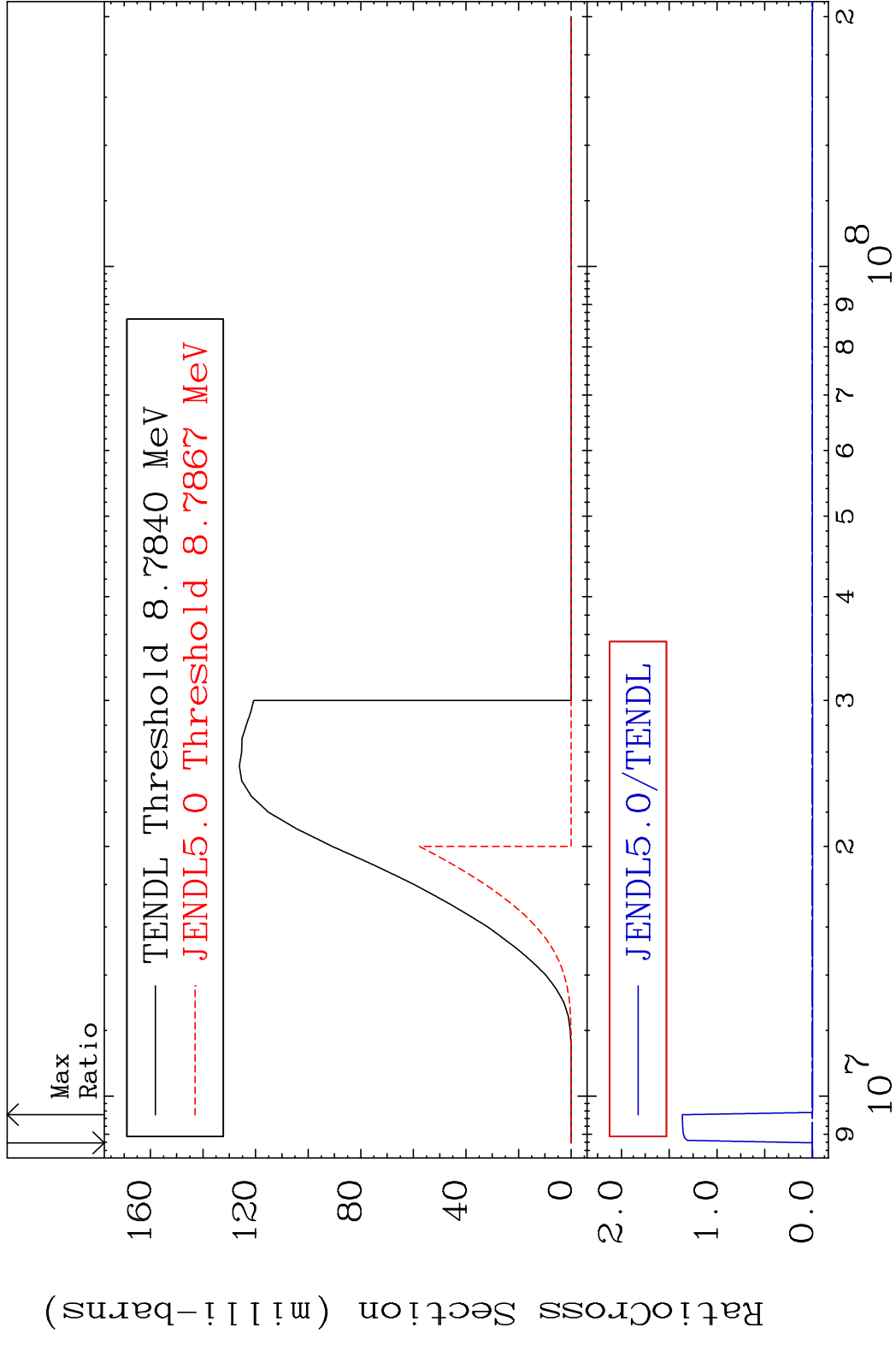


MAT 4028 (n, n') α 40-Zr-91
 Cross Section -100.0 To 9999. %



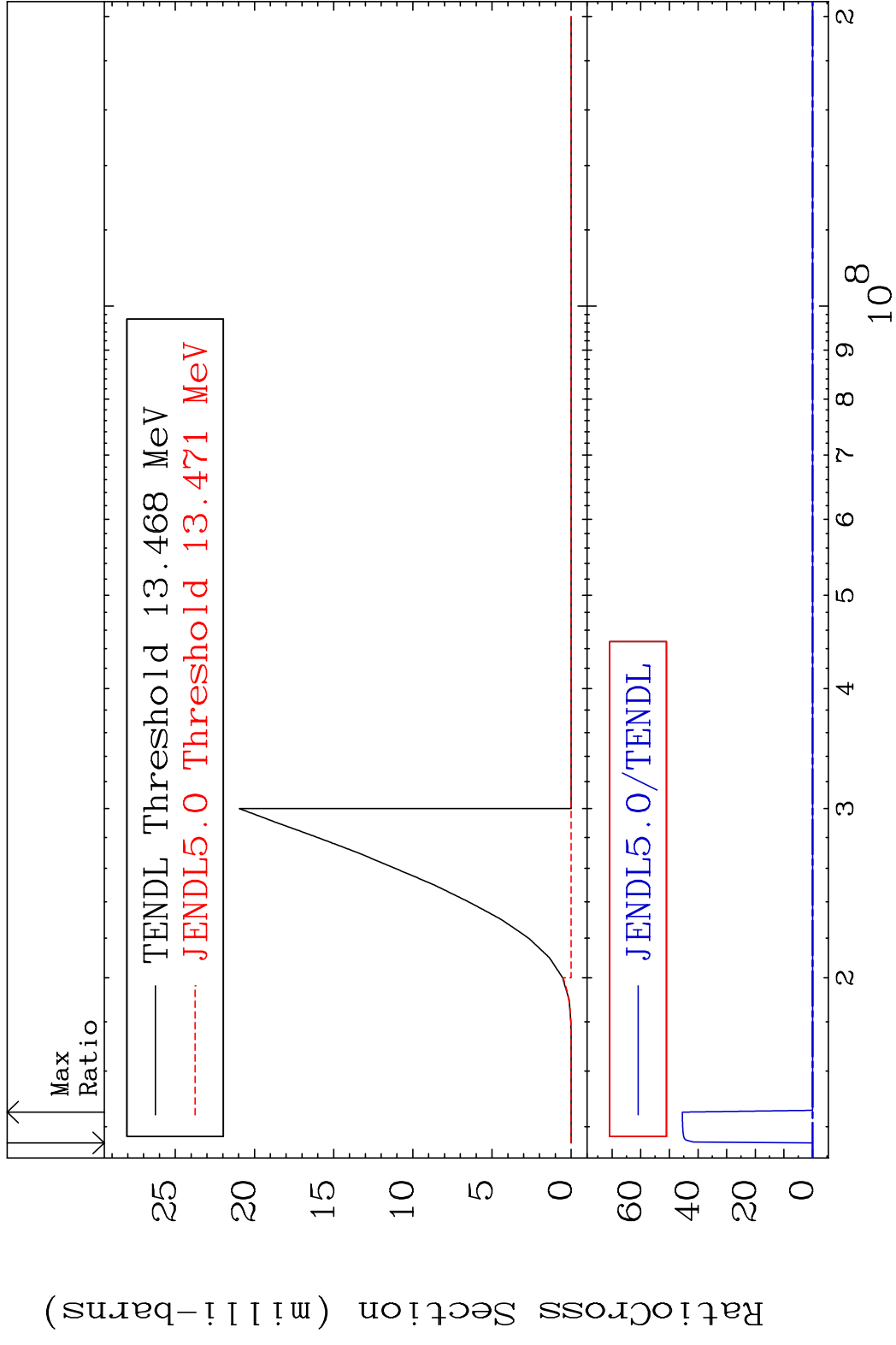
7 40-Zr-91

MAT 4028 (n, n') p 40-Zr-91
 Cross Section -100.0 To 9999. %

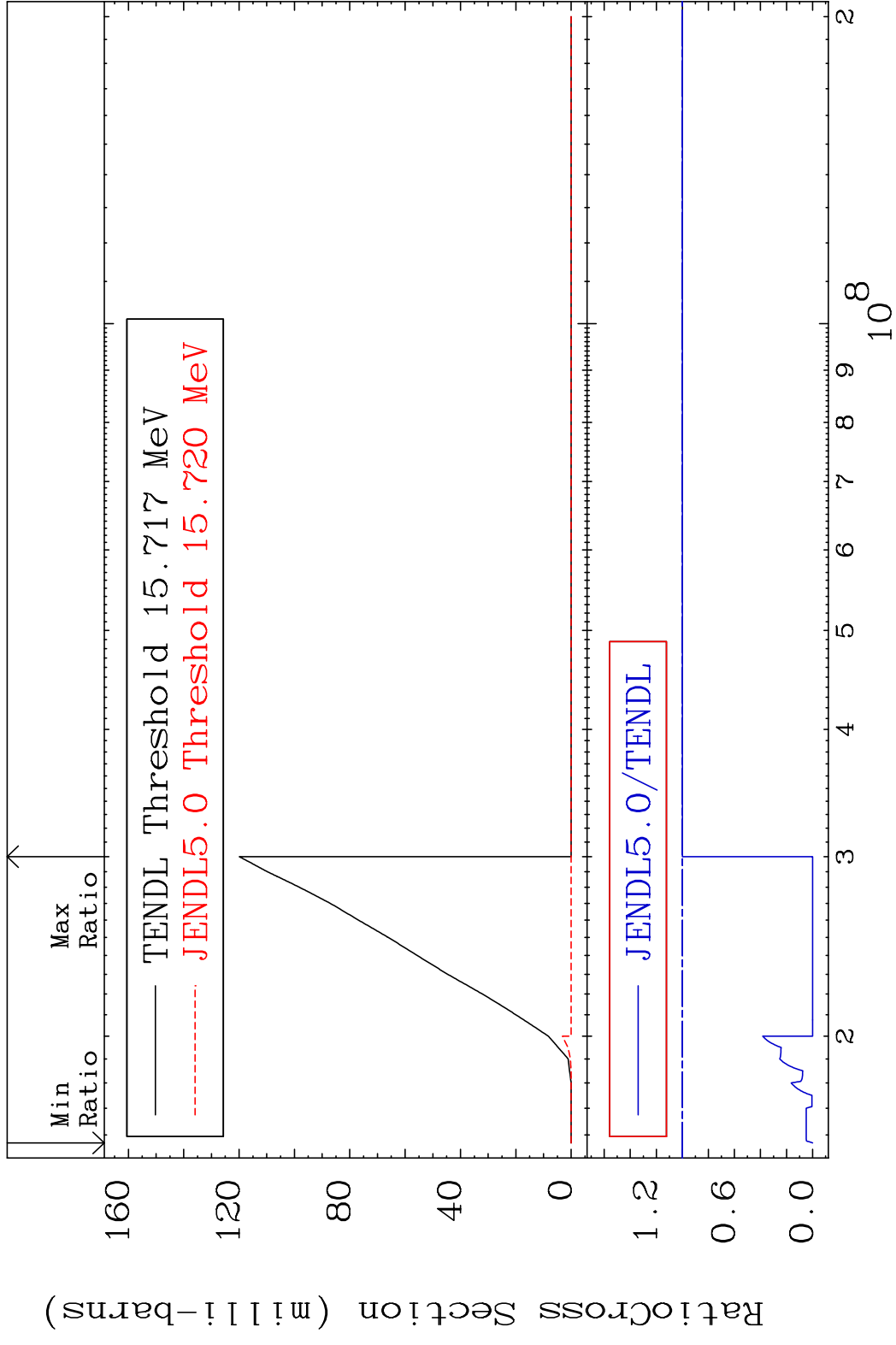


8 9 10 2 4 5 6 7 8 9 10 8 20 40 80 120 160

MAT 4028 (n, n') d 40-Zr-91
 Cross Section -100.0 To 9999. %



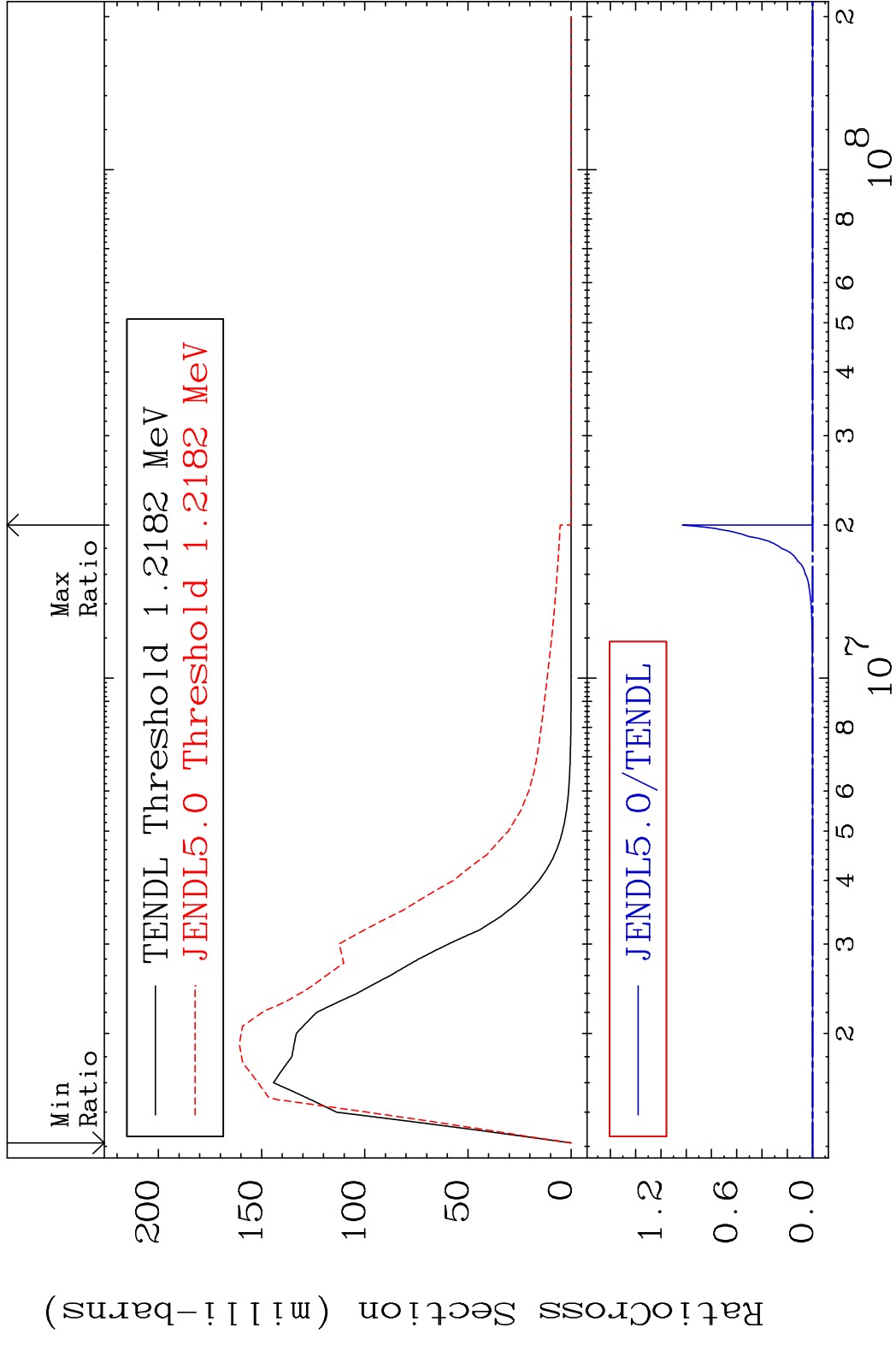
MAT 4028 (n,2n) p 40-Zr-91
 Cross Section -100.0 To 0.000 %



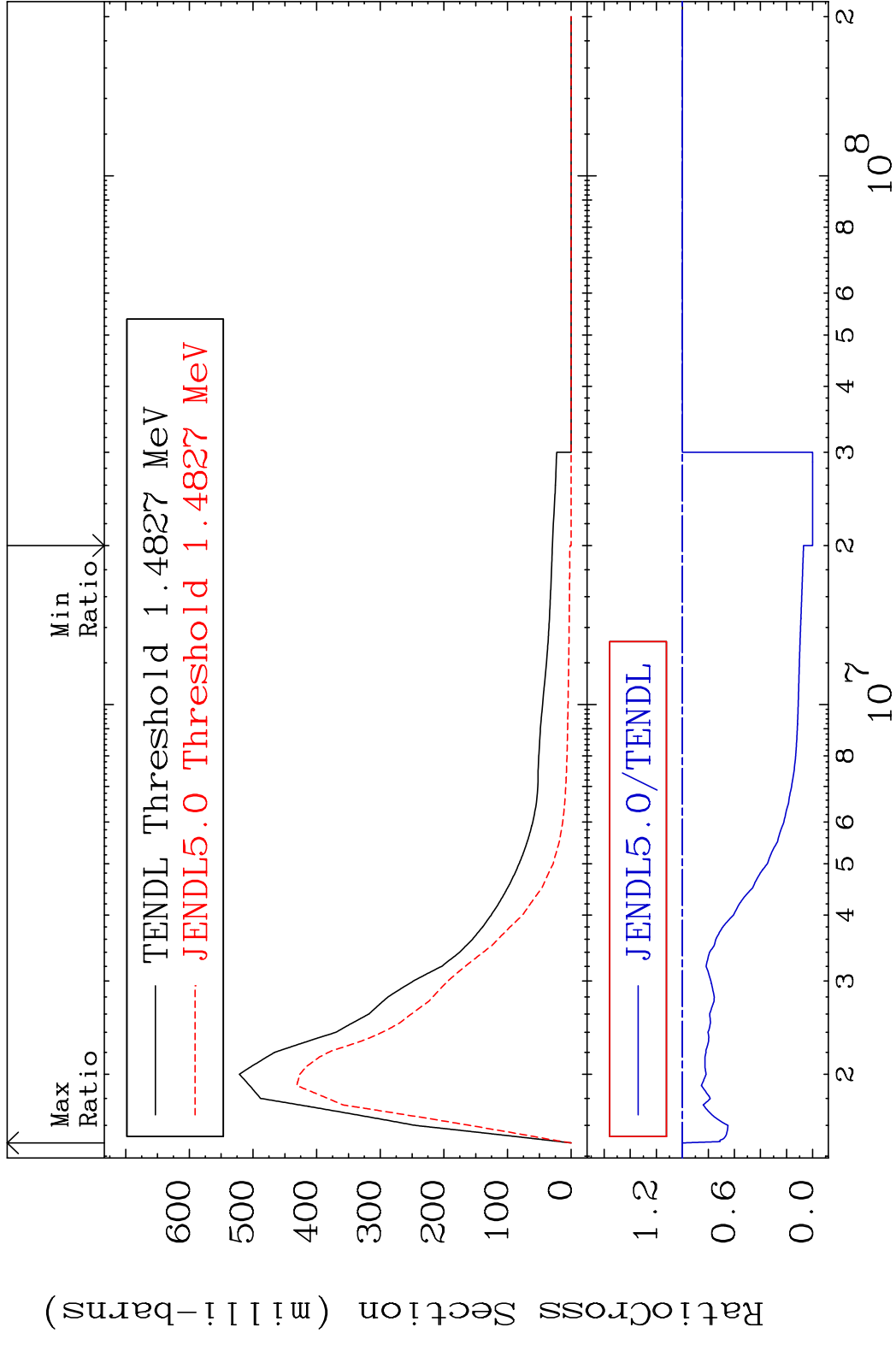
10

Incident Energy (eV) 40-Zr-91

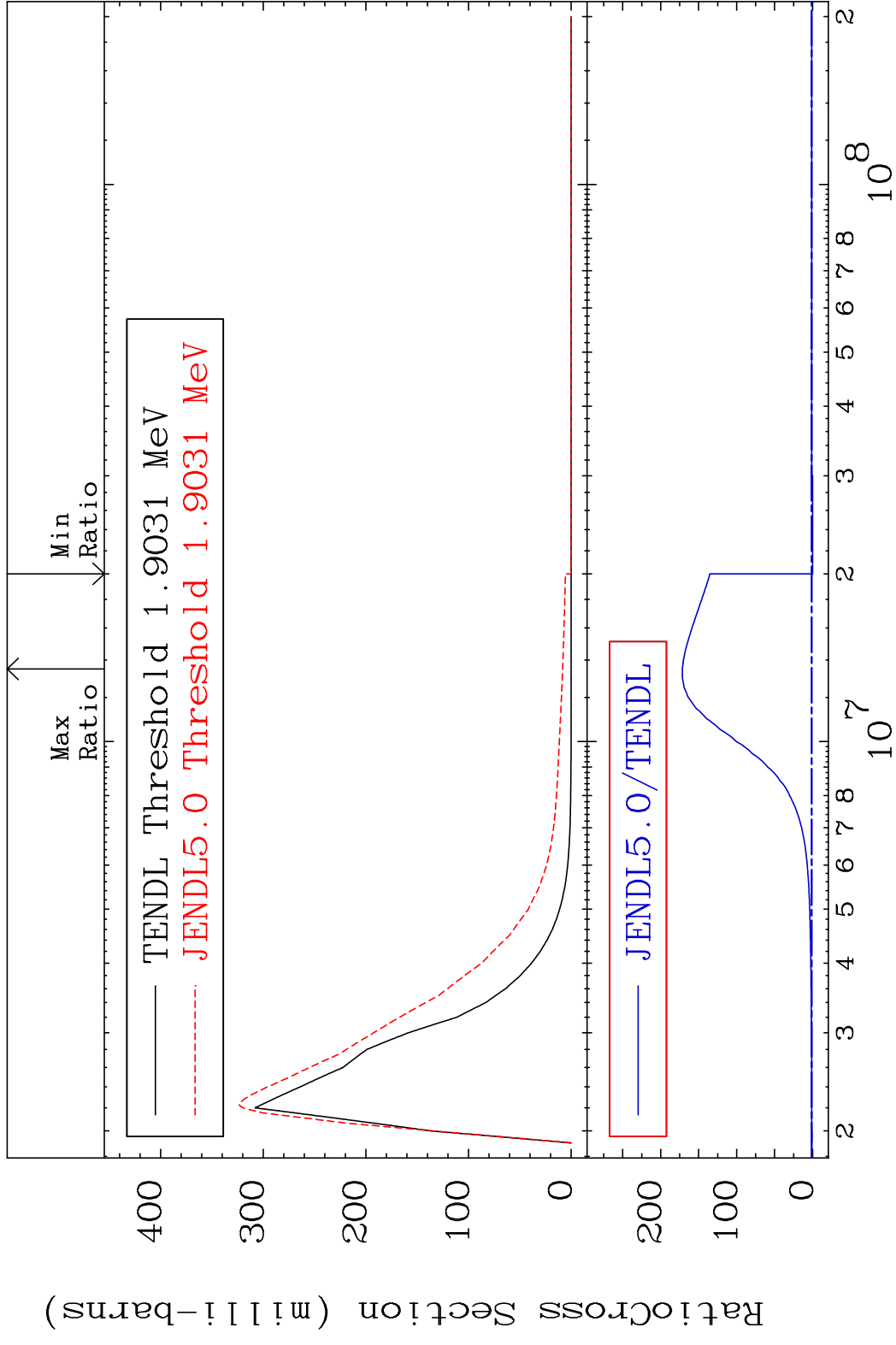
MAT 4028 MT= 51 (n, n') Level 40-Zr-91
 Cross Section -100.0 To 9999. %



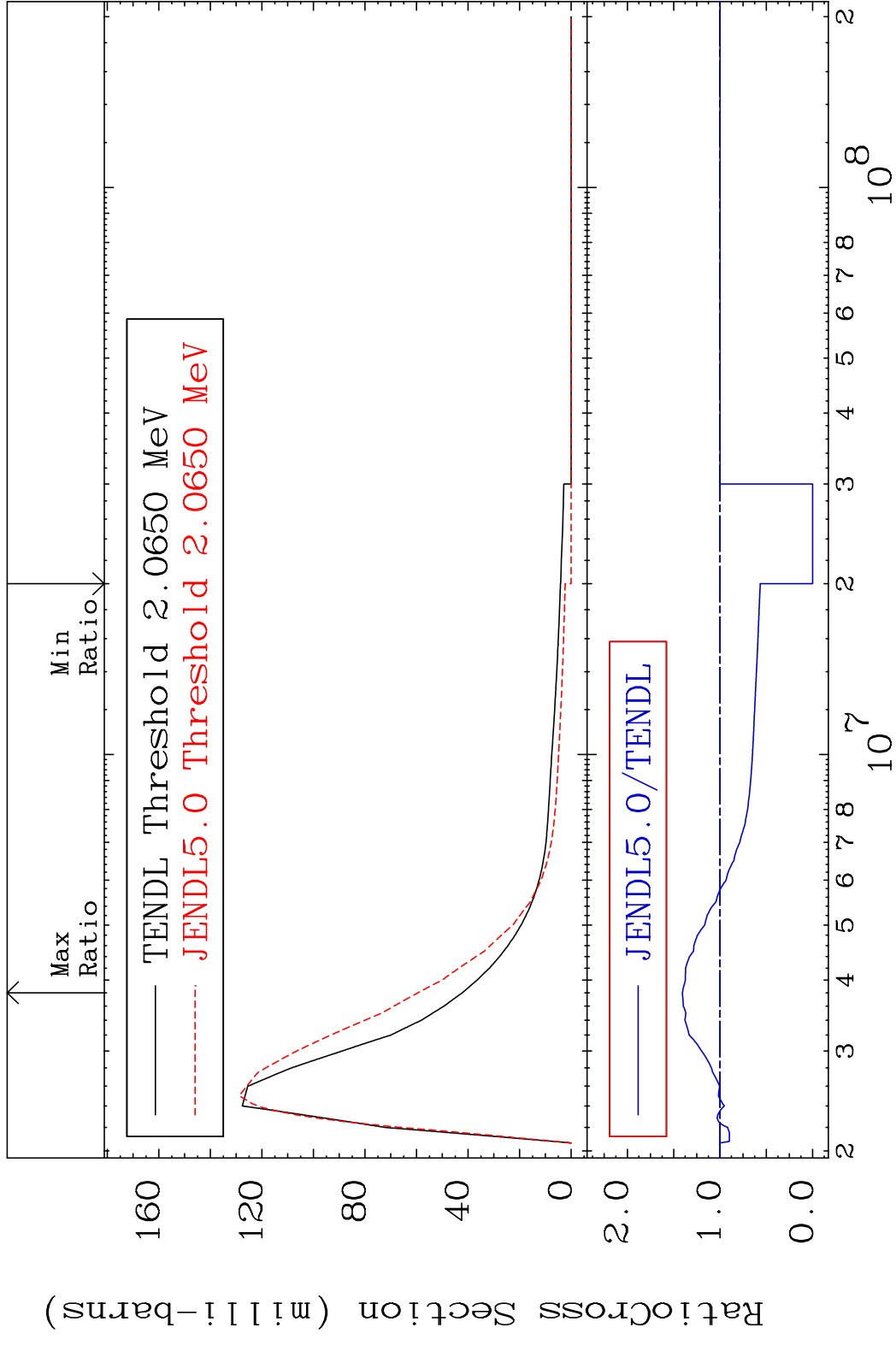
MAT 4028 MT= 52 (n, n') Level 40-Zr-91
 Cross Section -100.0 To 0.000 %



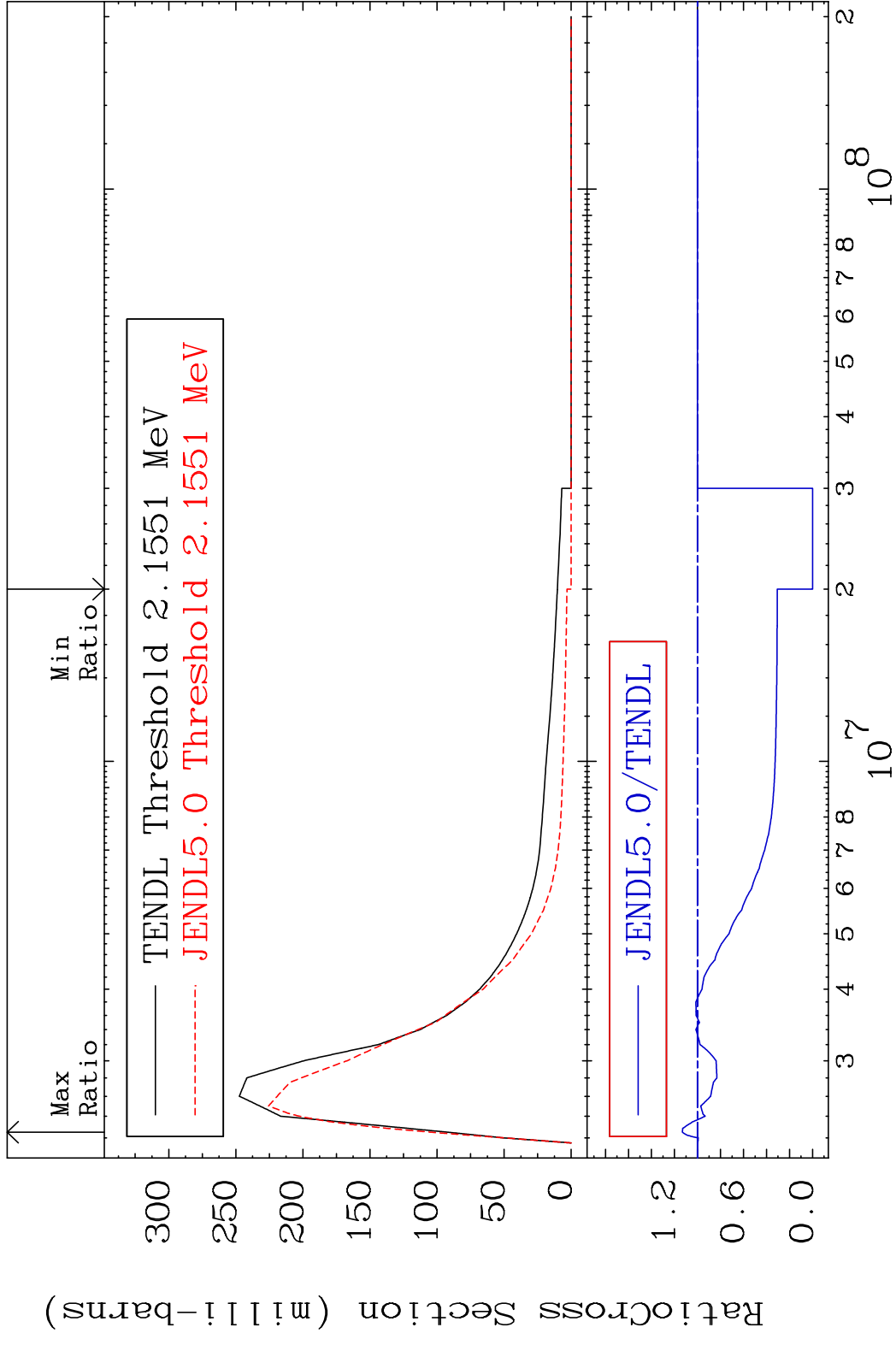
MAT 4028 MT= 53 (n, n') Level 40-Zr-91
 Cross Section -100.0 To 9999. %



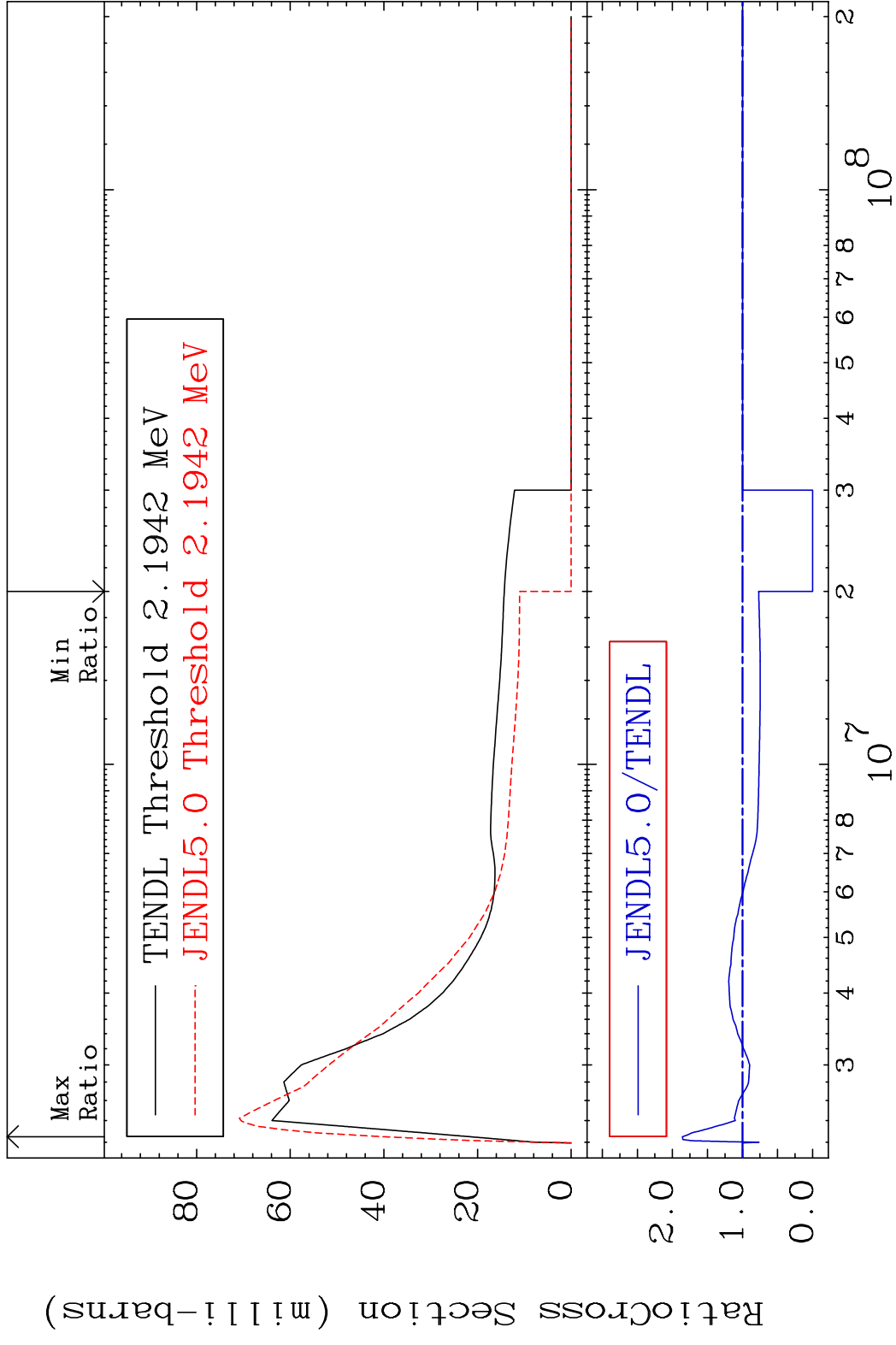
MAT 4028 MT= 54 (n, n') Level 40-Zr-91
 Cross Section -100.0 To 40.61 %



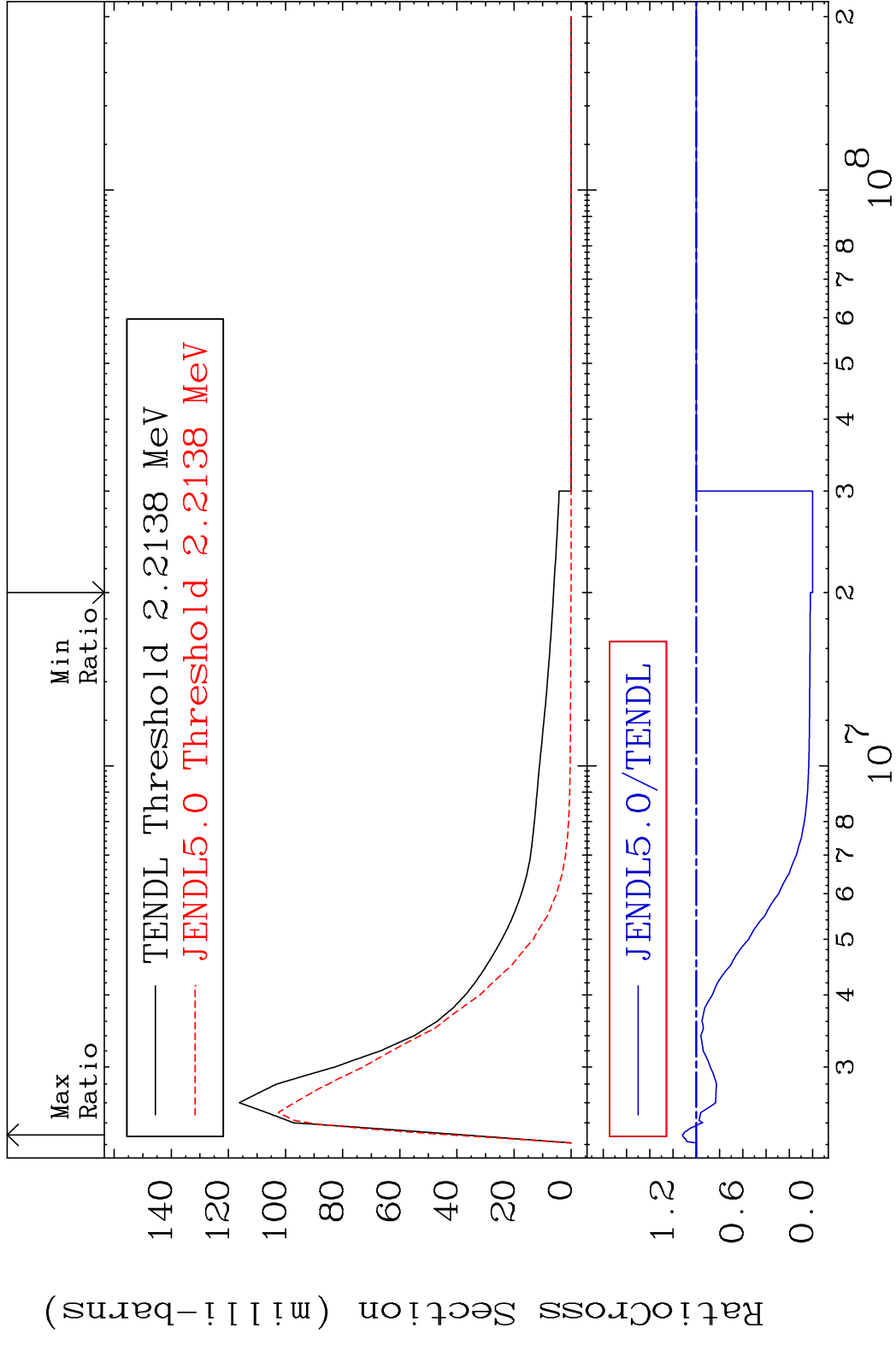
MAT 4028 MT= 55 (n, n') Level 40-Zr-91
 Cross Section -100.0 To 13.17 %



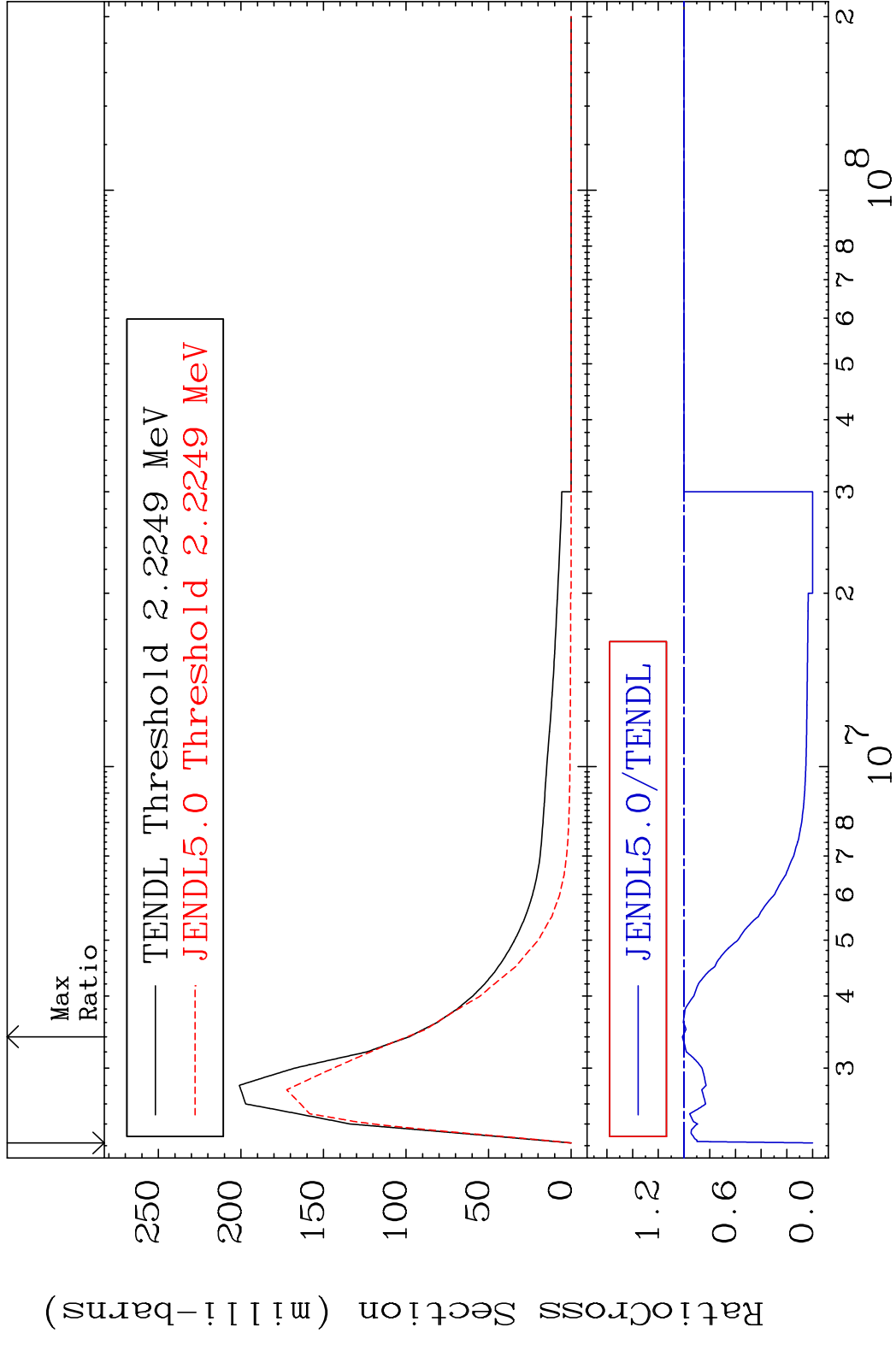
MAT 4028 MT= 56 (n, n') Level 40-Zr-91
 Cross Section -100.0 To 85.81 %



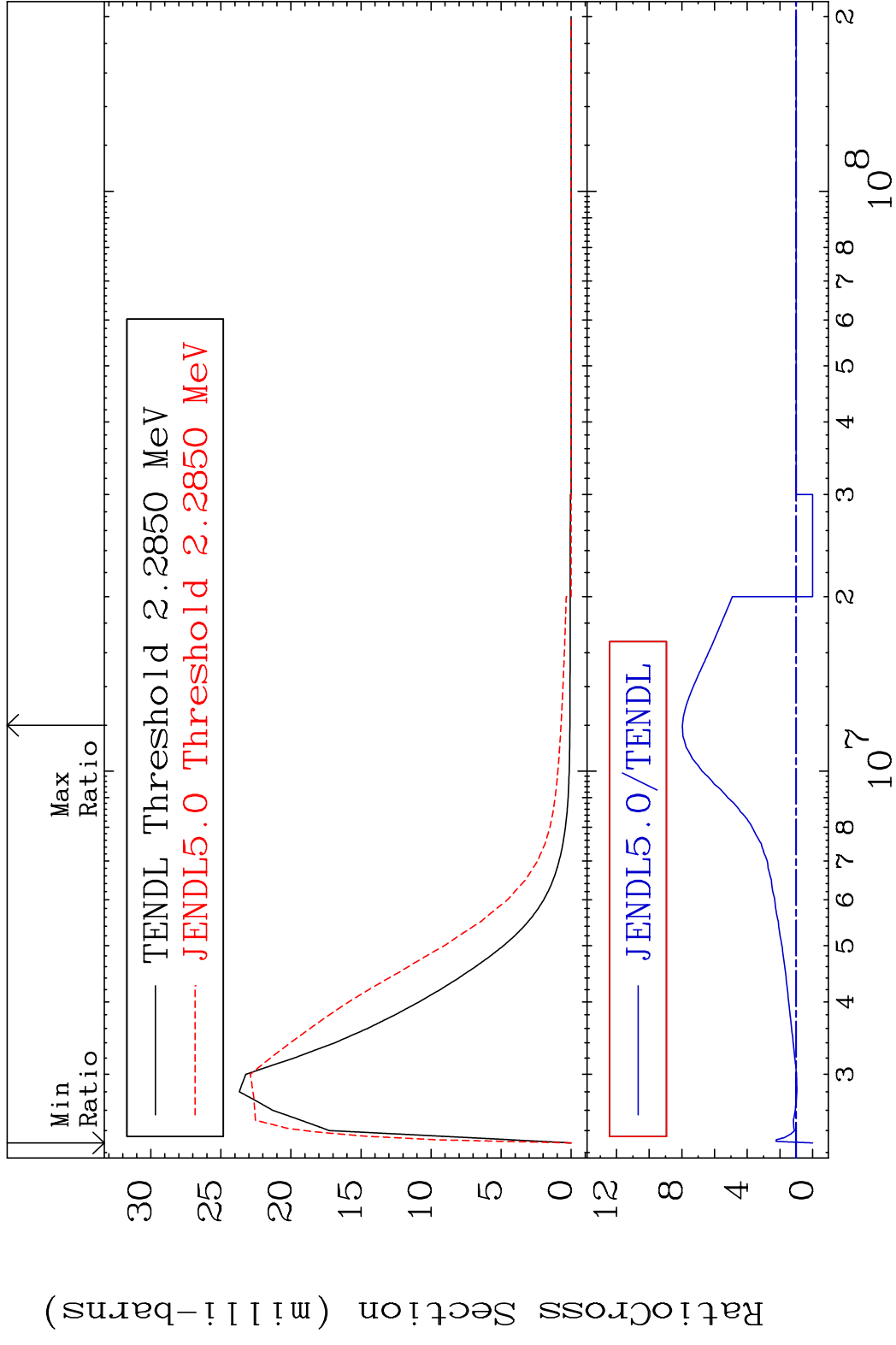
MAT 4028 MT= 57 (n, n') Level 40-Zr-91
 Cross Section -100.0 To 12.03 %



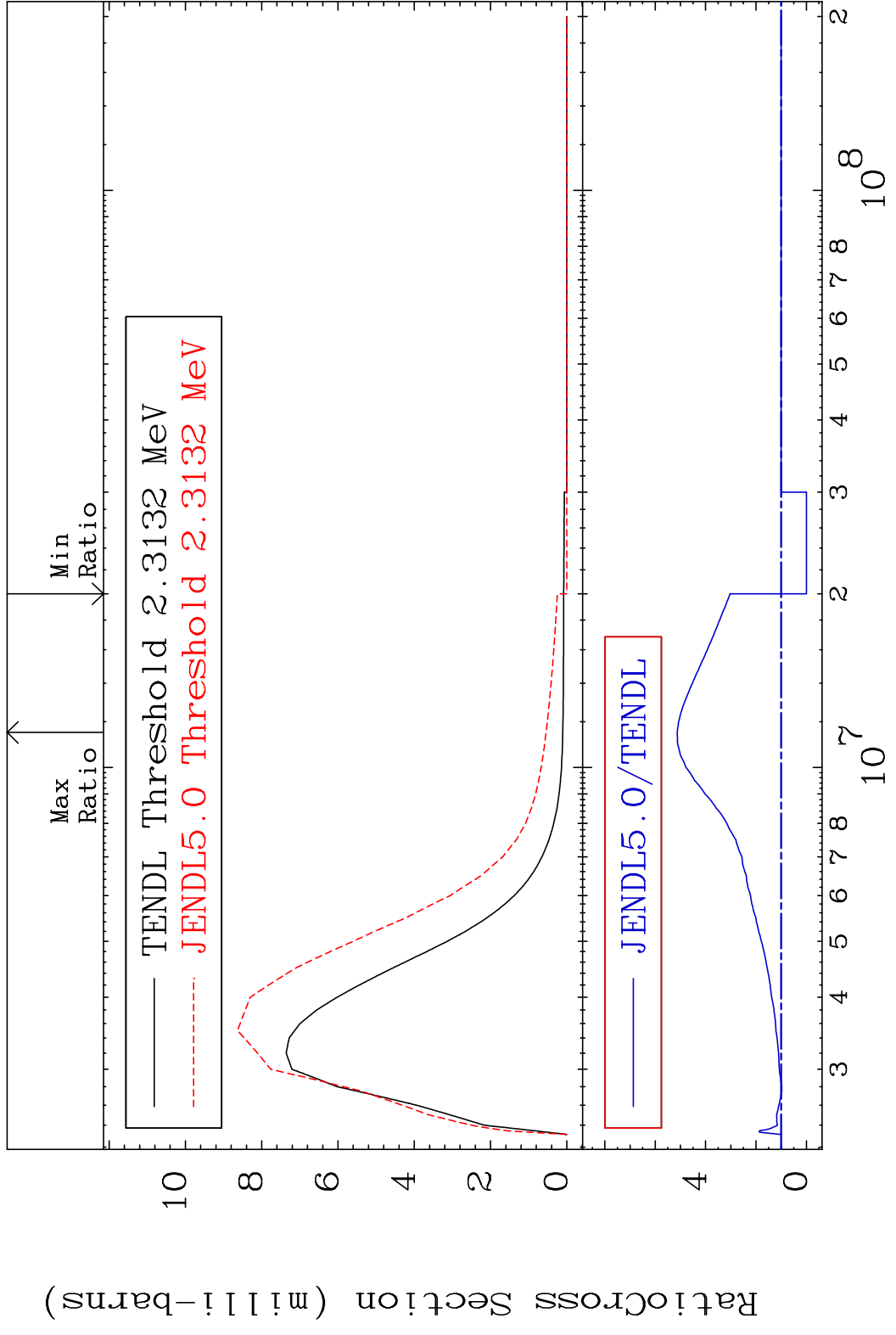
MAT 4028 MT= 58 (n,n') Level 40-Zr-91
 Cross Section -100.0 To 1.284 %



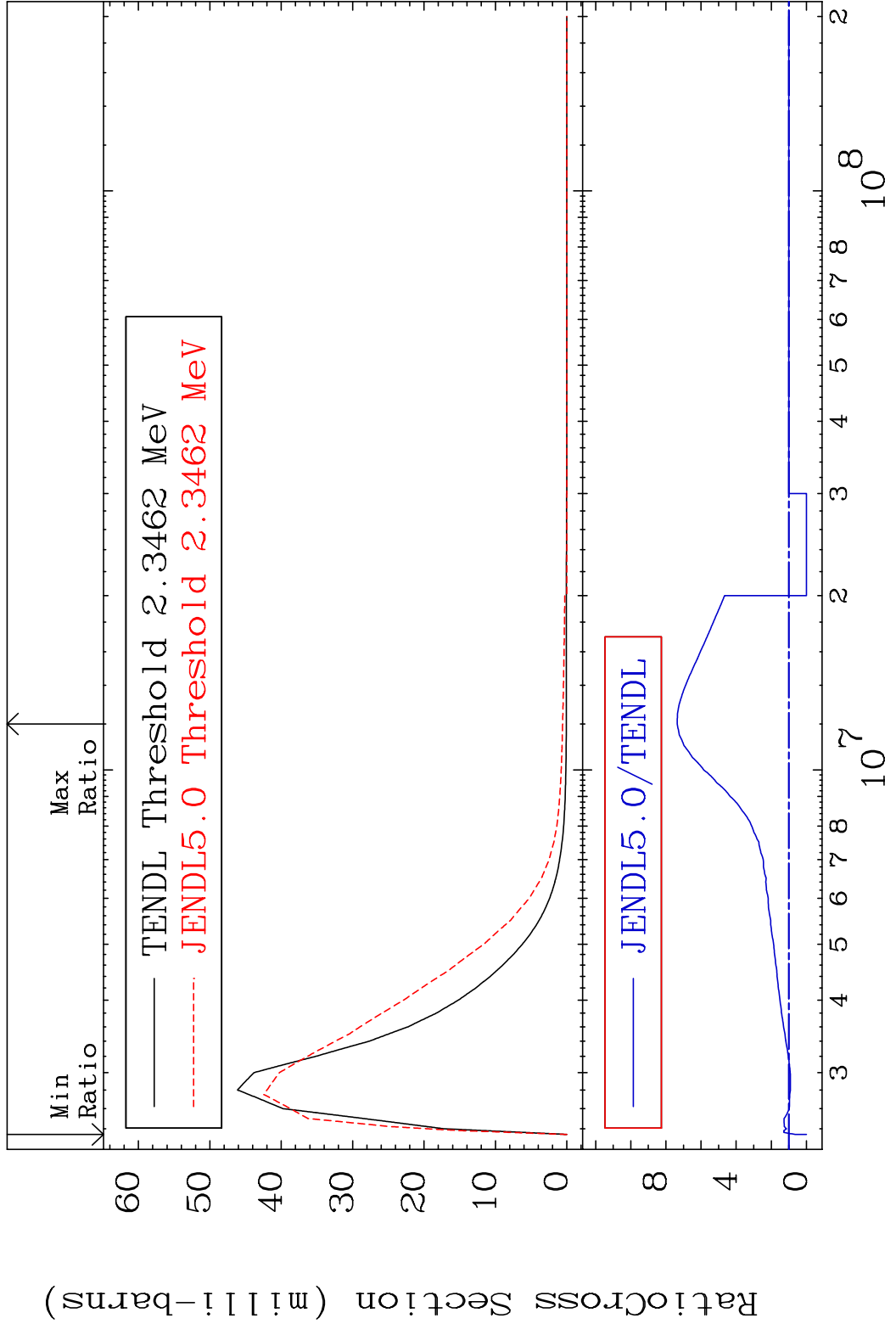
MAT 4028 MT= 59 (n, n') Level 40-Zr-91
 Cross Section -100.0 To 697.0 %



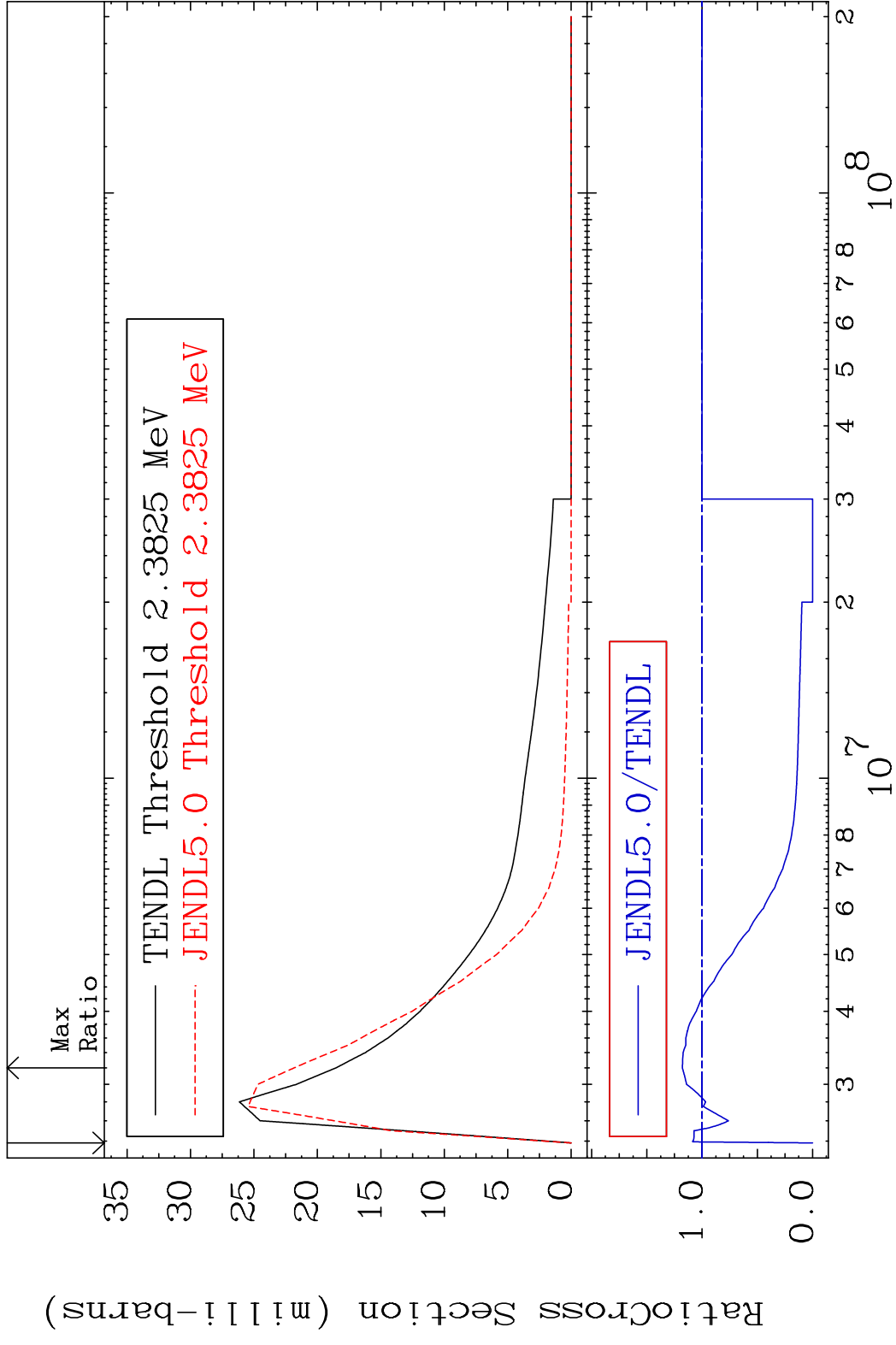
MAT 4028 MT= 60 (n, n') Level 40-Zr-91
 Cross Section -100.0 To 412.9 %



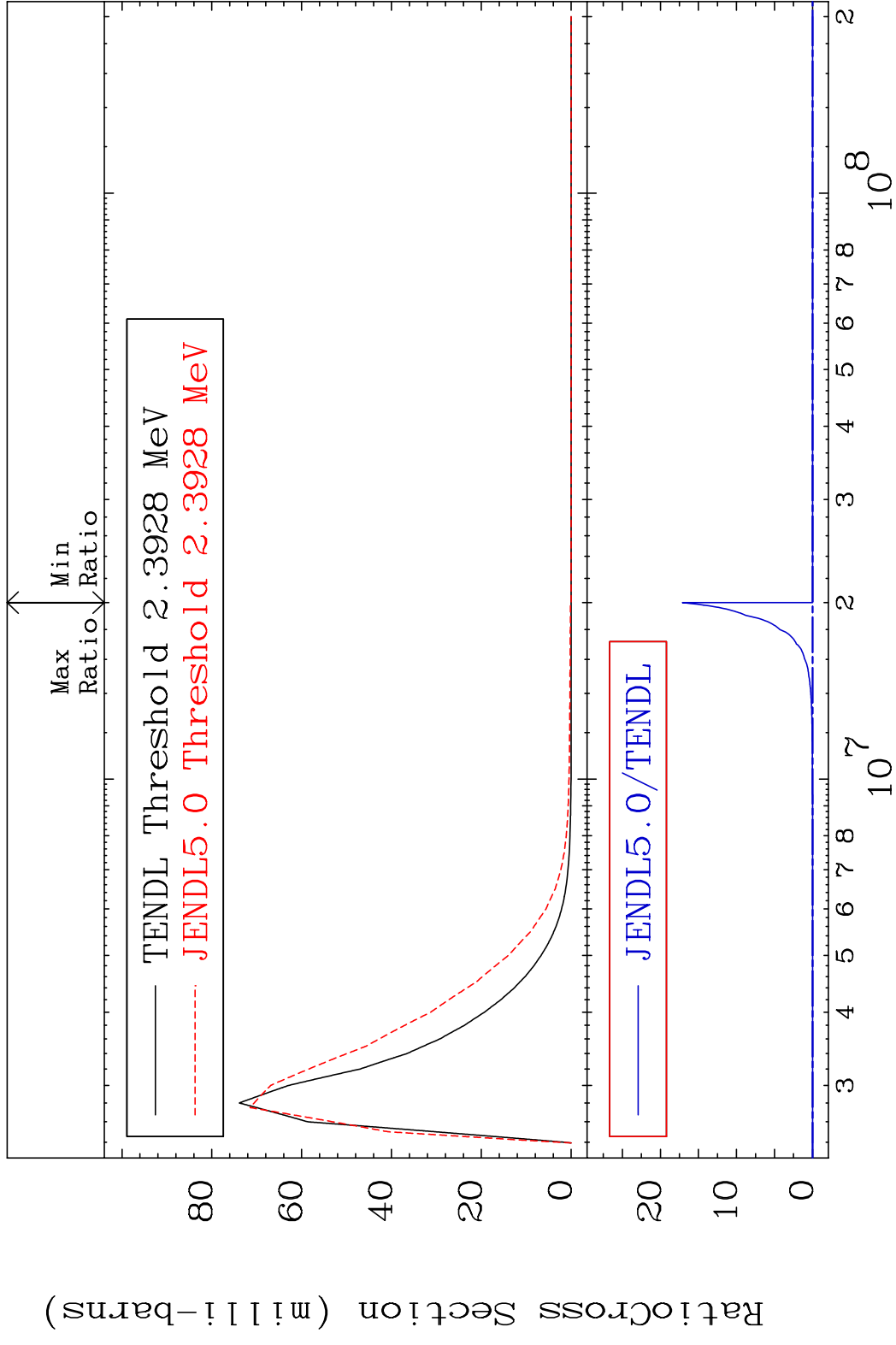
MAT 4028 MT= 61 (n, n') Level 40-Zr-91
 Cross Section -100.0 To 635.8 %



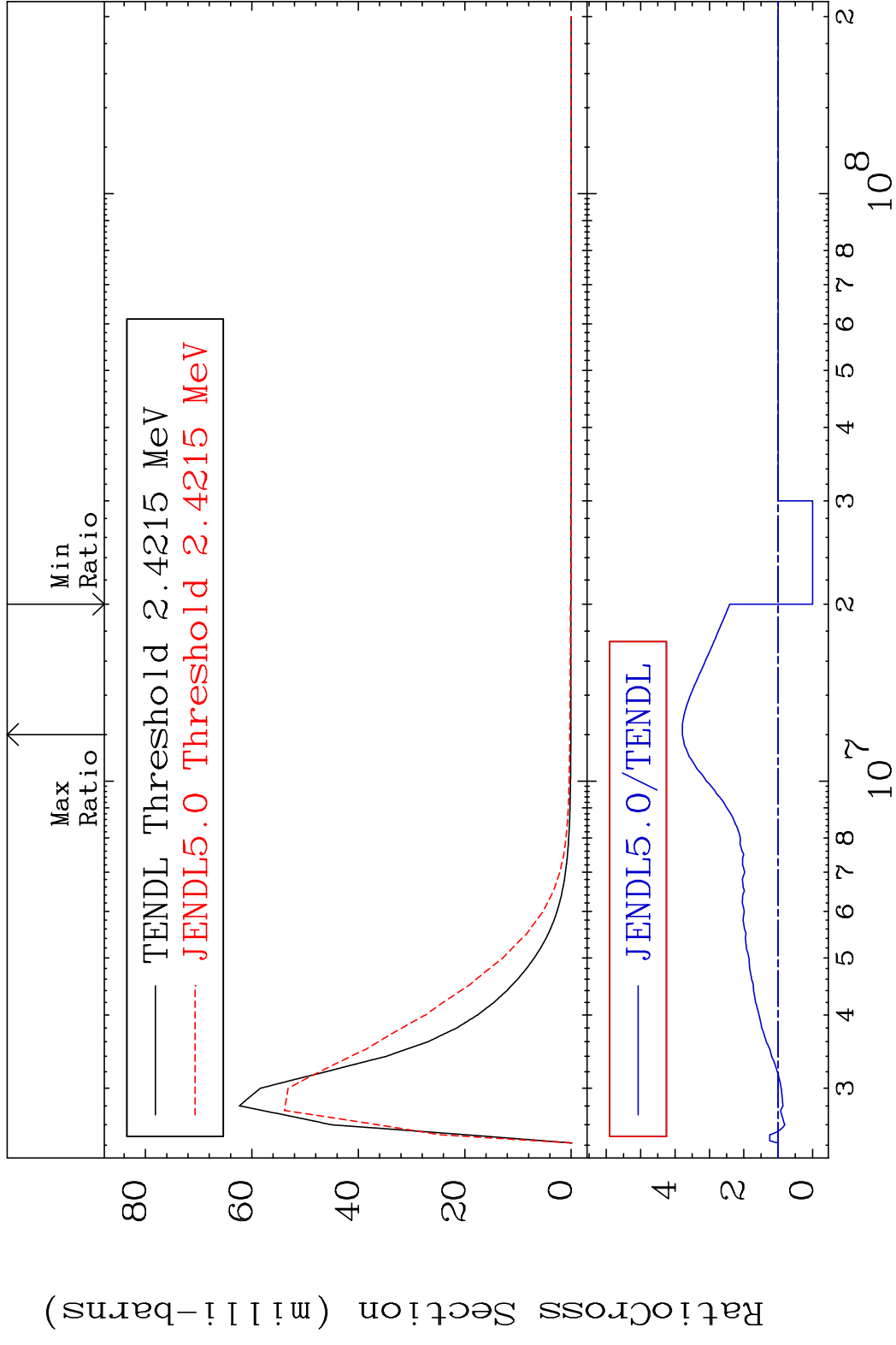
MAT 4028 MT= 62 (n, n') Level 40-Zr-91
 Cross Section -100.0 To 17.85 %



MAT 4028 MT= 63 (n, n') Level 40-Zr-91
 Cross Section -100.0 To 9999. %



MAT 4028 MT= 64 (n, n') Level 40-Zr-91
 Cross Section -100.0 To 278.8 %

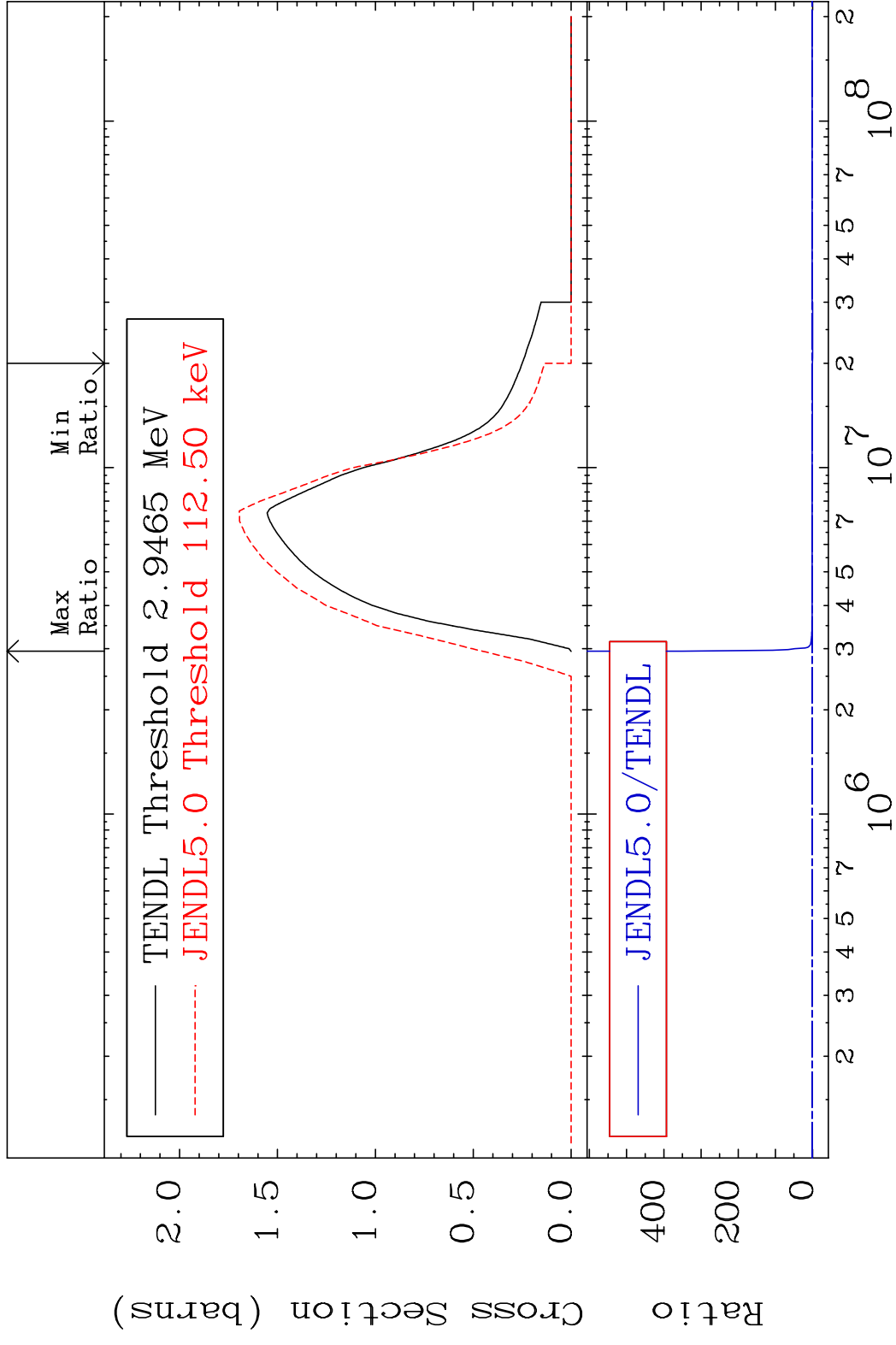


MAT 4028

(n,n') Continuum

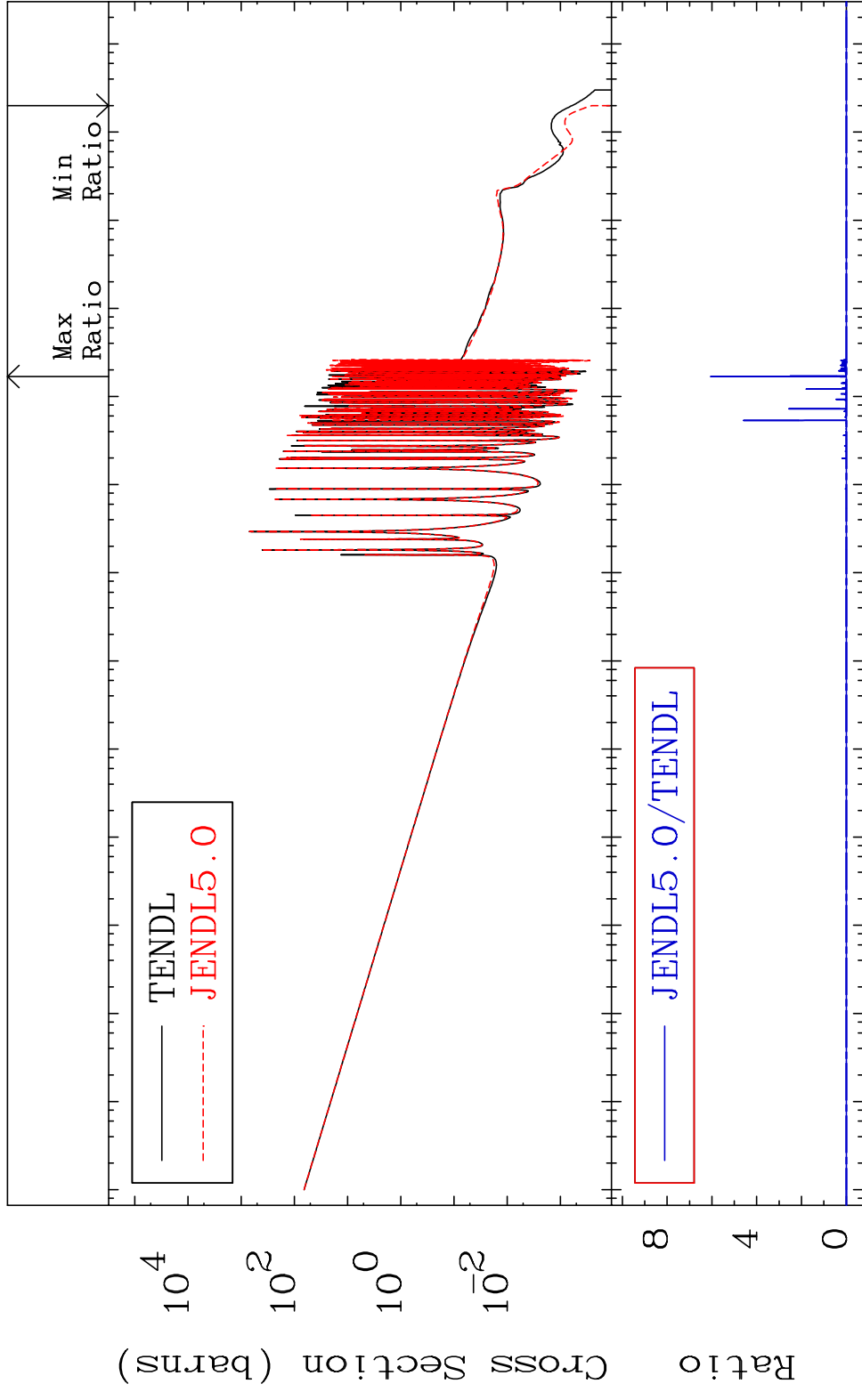
40-Zr-91

Cross Section -100.0 To 9999. %



MAT 4028

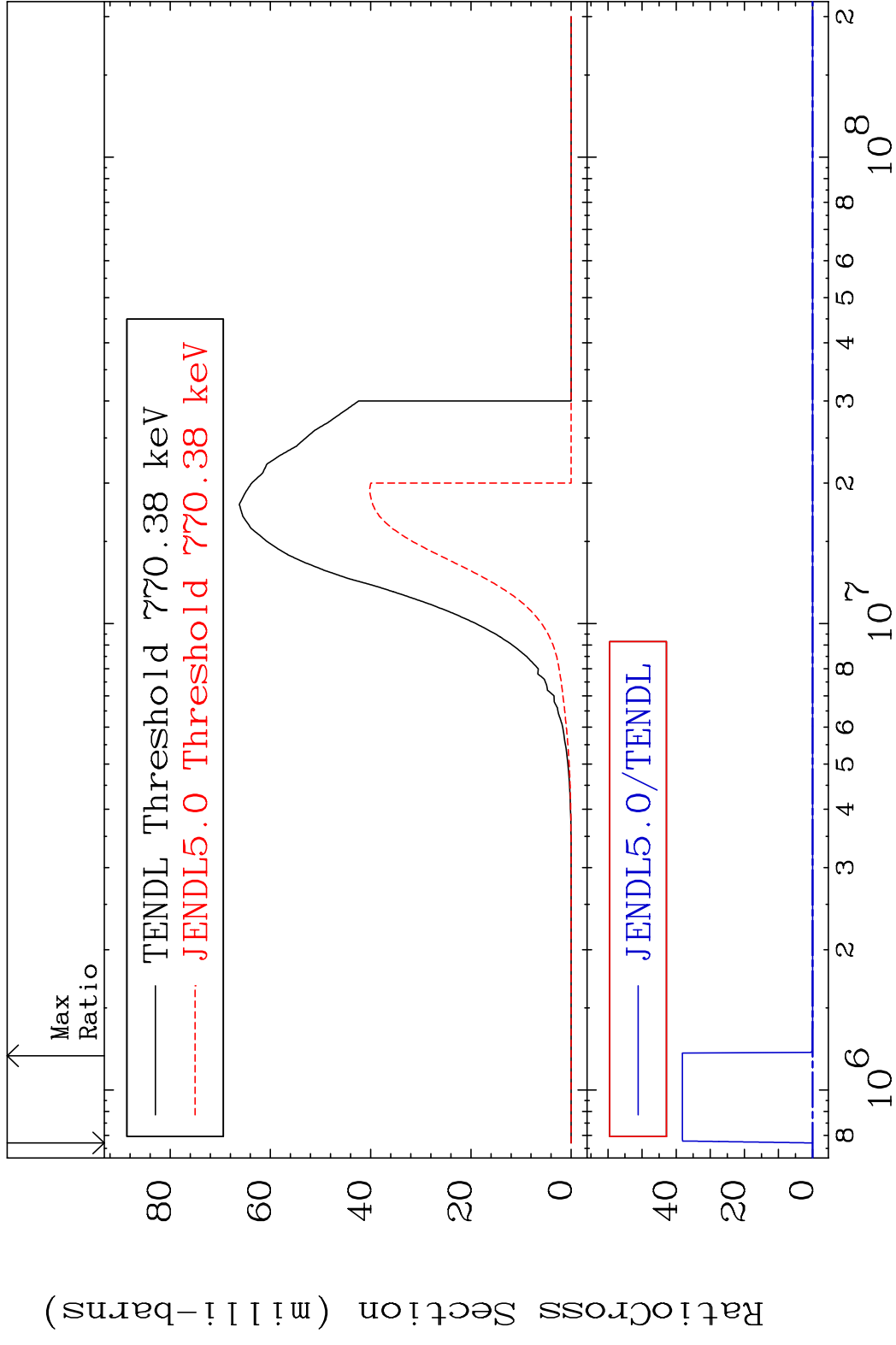
(n, γ)
Cross Section
40-Zr-91
-100.0 To 9999. %



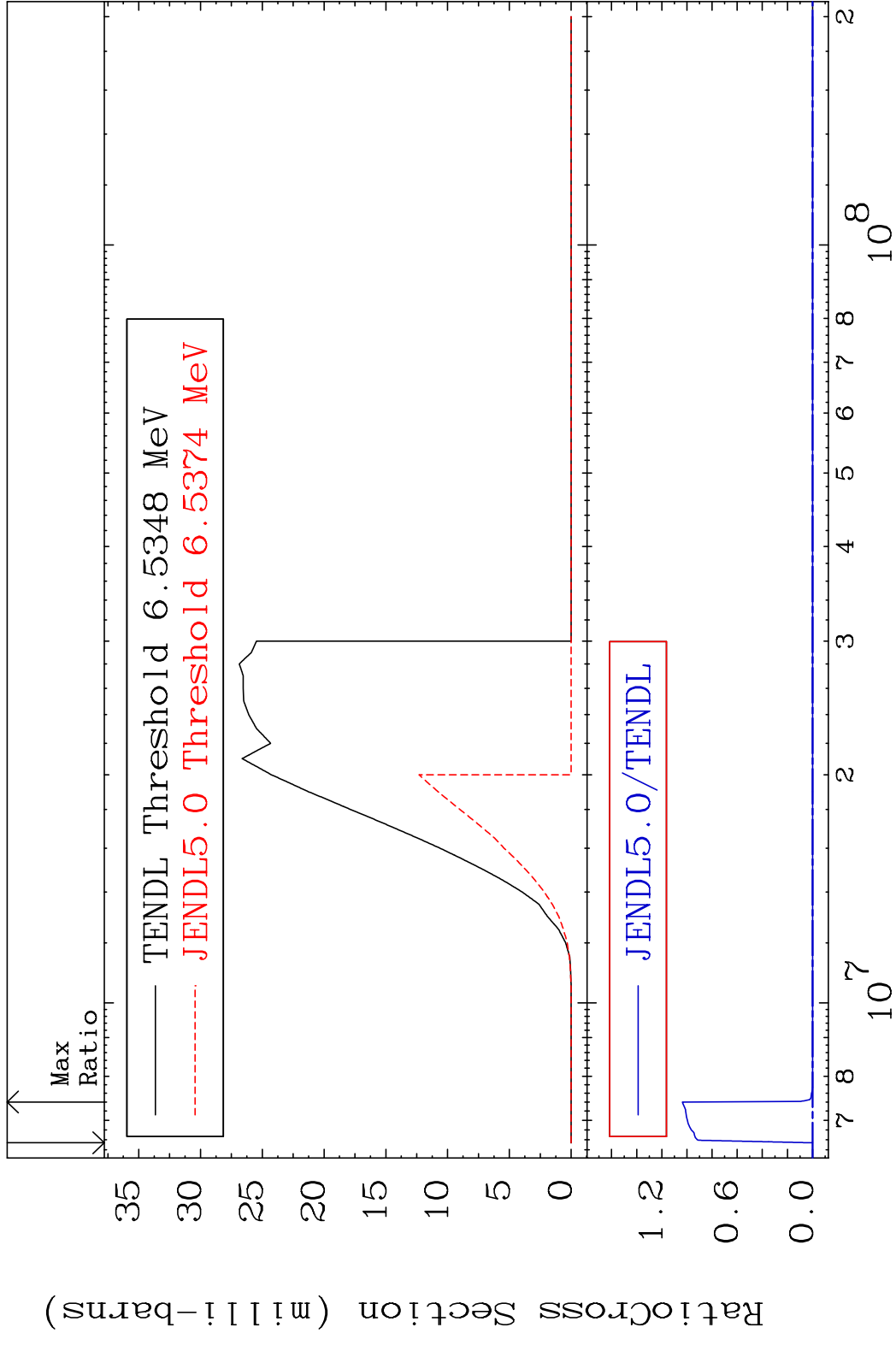
26

Incident Energy (eV) 40-Zr-91

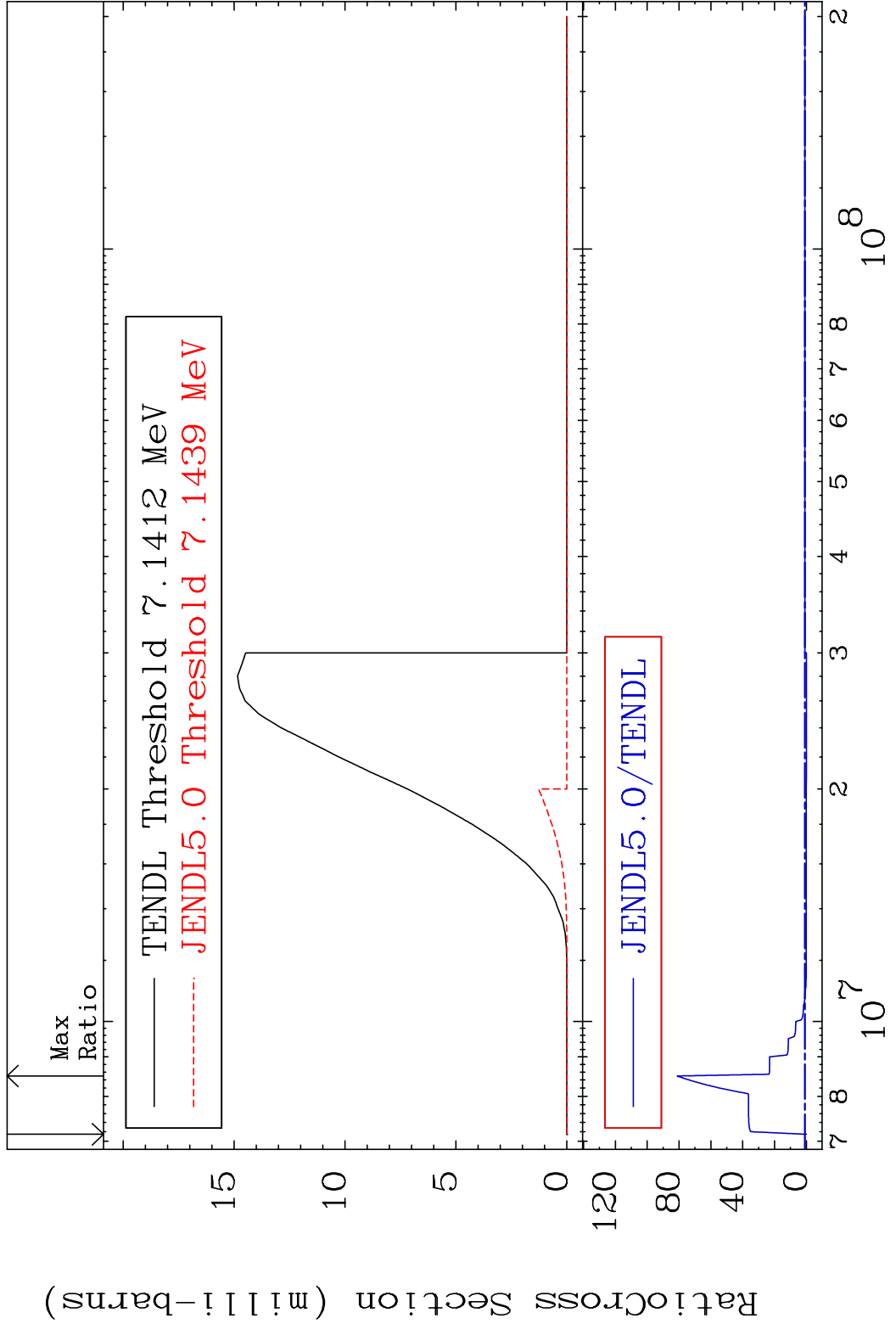
MAT 4028 (n,p) 40-Zr-91
 Cross Section -100.0 To 9999. %



MAT 4028 (n,d) 40-Zr-91
 Cross Section -100.0 To 9999. %



MAT 4028 (n, t) 40-Zr-91
 Cross Section -100.0 To 8015. %

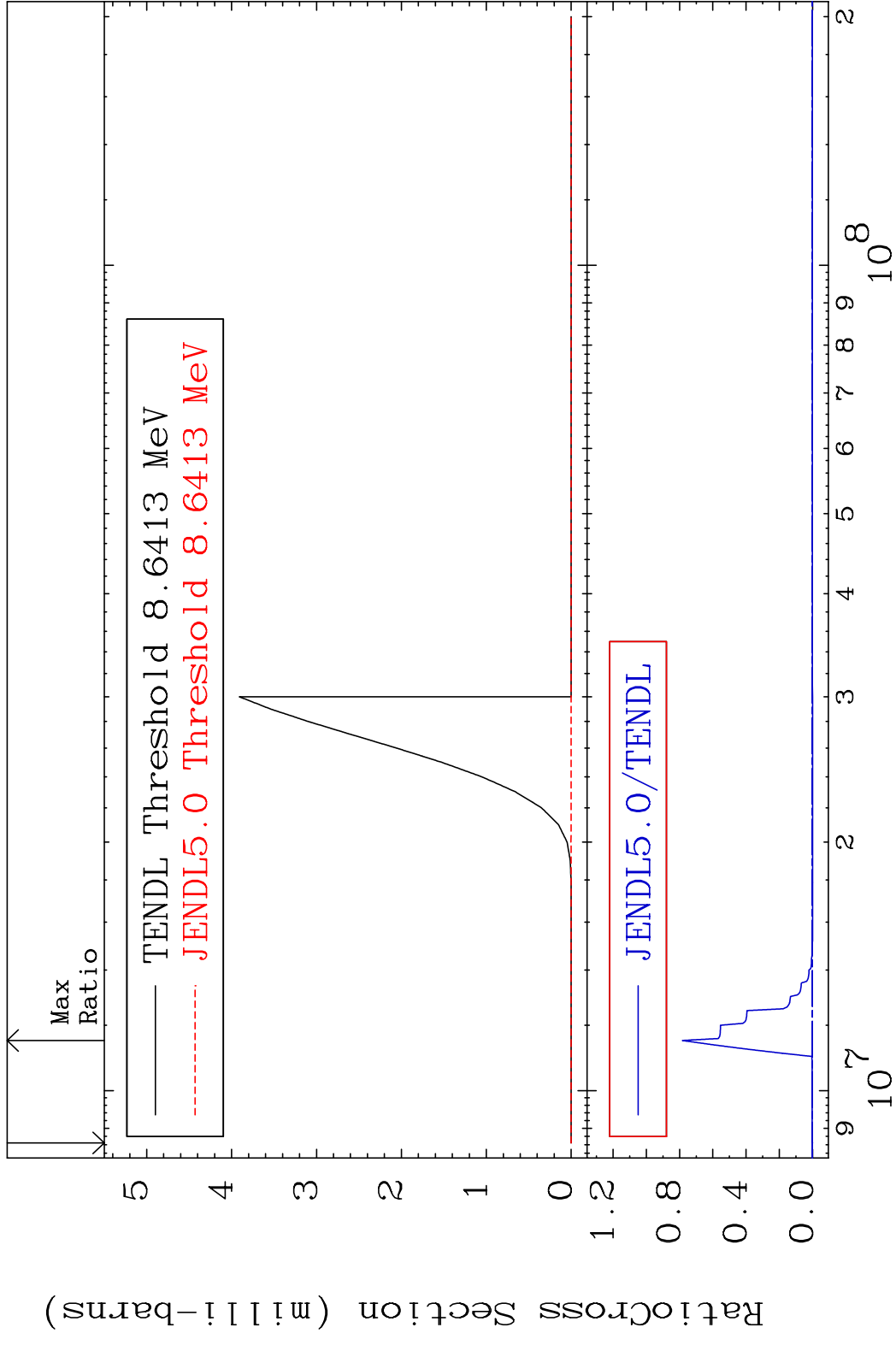


MAT 4028

(n, He-3)

40-Zr-91

Cross Section -100.0 To 9999. %



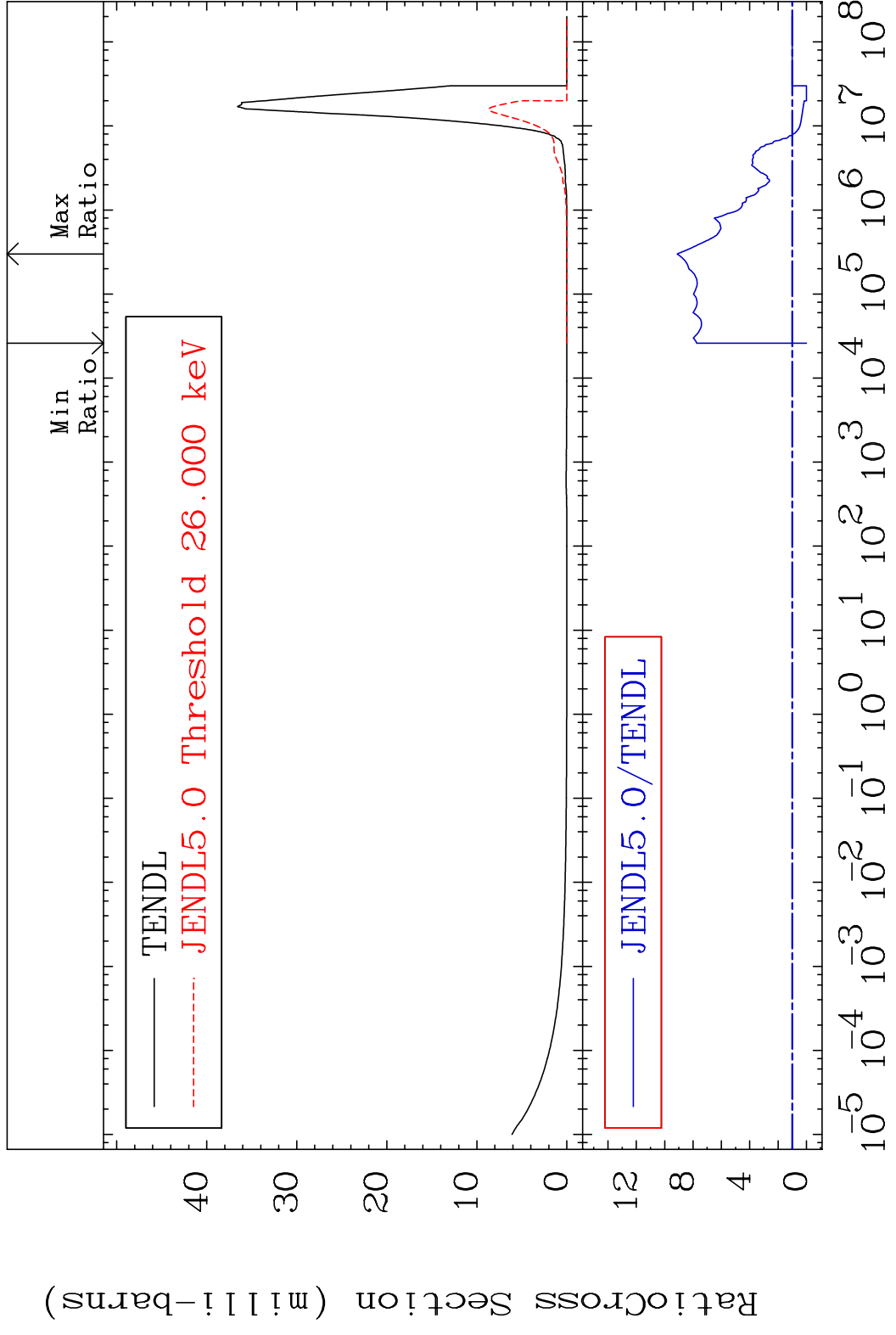
30

Incident Energy (eV)

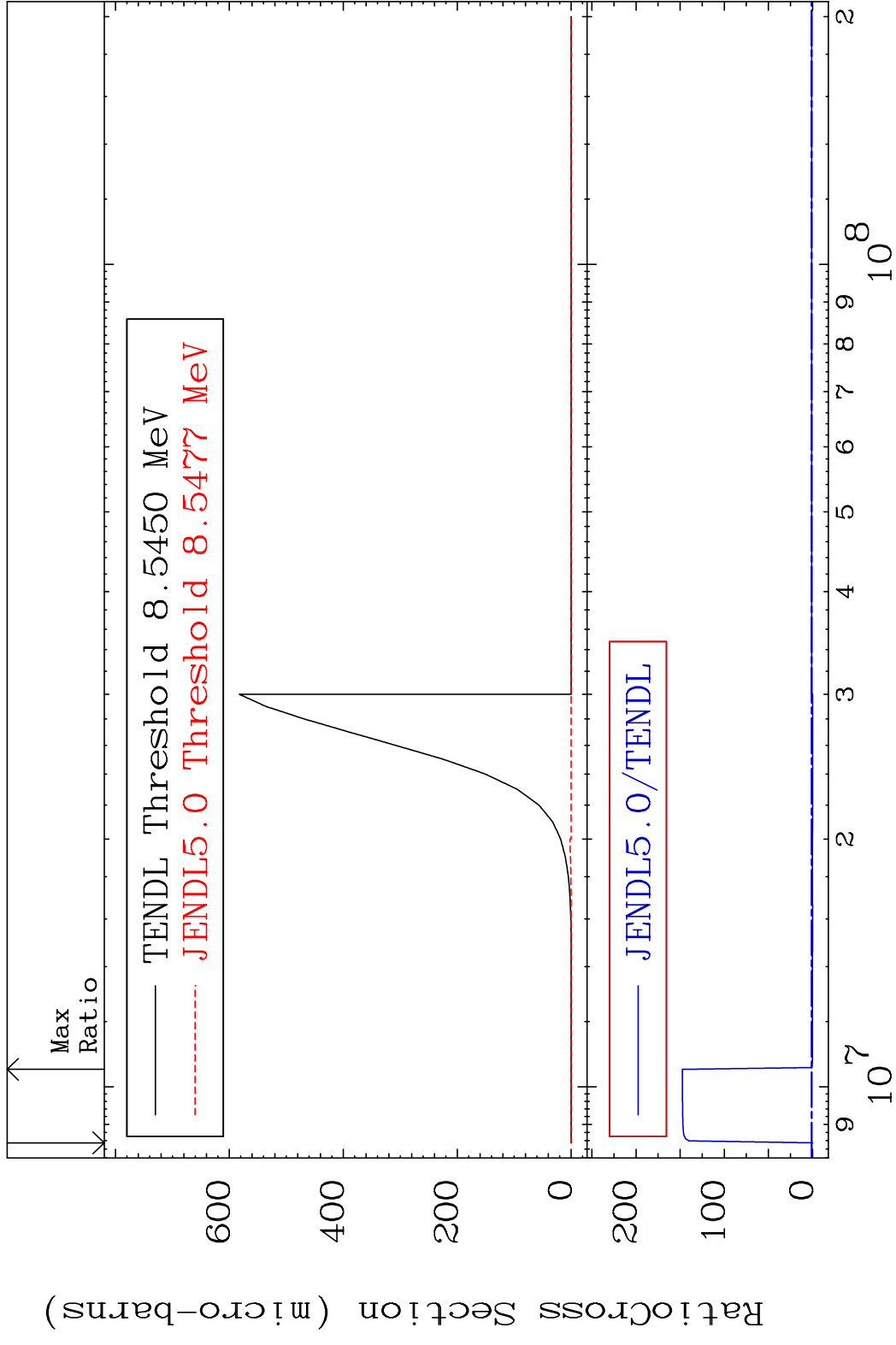
40-Zr-91

MAT 4028

(n, α)
Cross Section -100.0 To 811.7 %
40-Zr-91

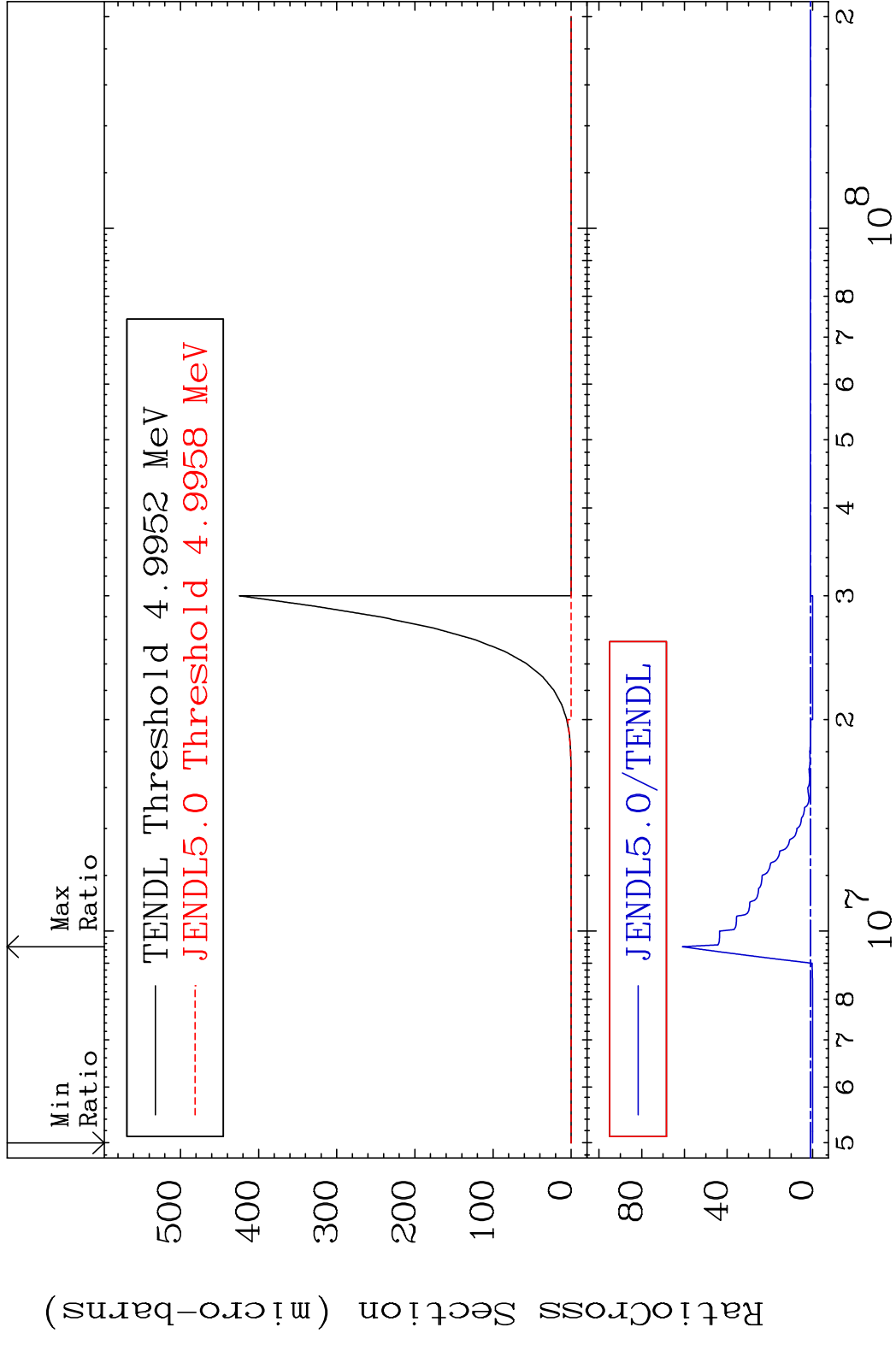


MAT 4028 (n,2p) 40-Zr-91
 Cross Section -100.0 To 9999. %

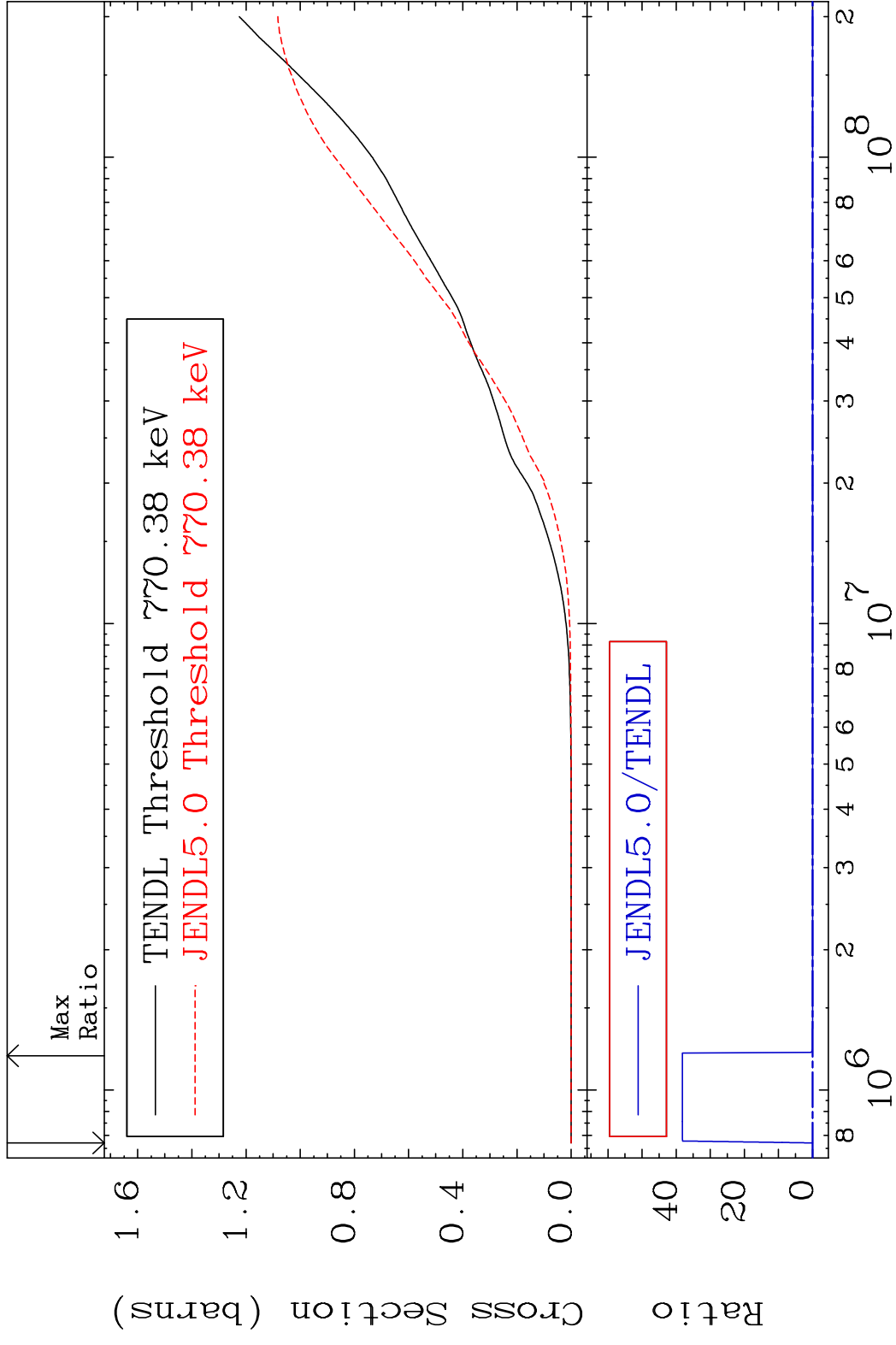


32 40-Zr-91

MAT 4028 (n,p) α 40-Zr-91
 Cross Section -100.0 To 5997. %

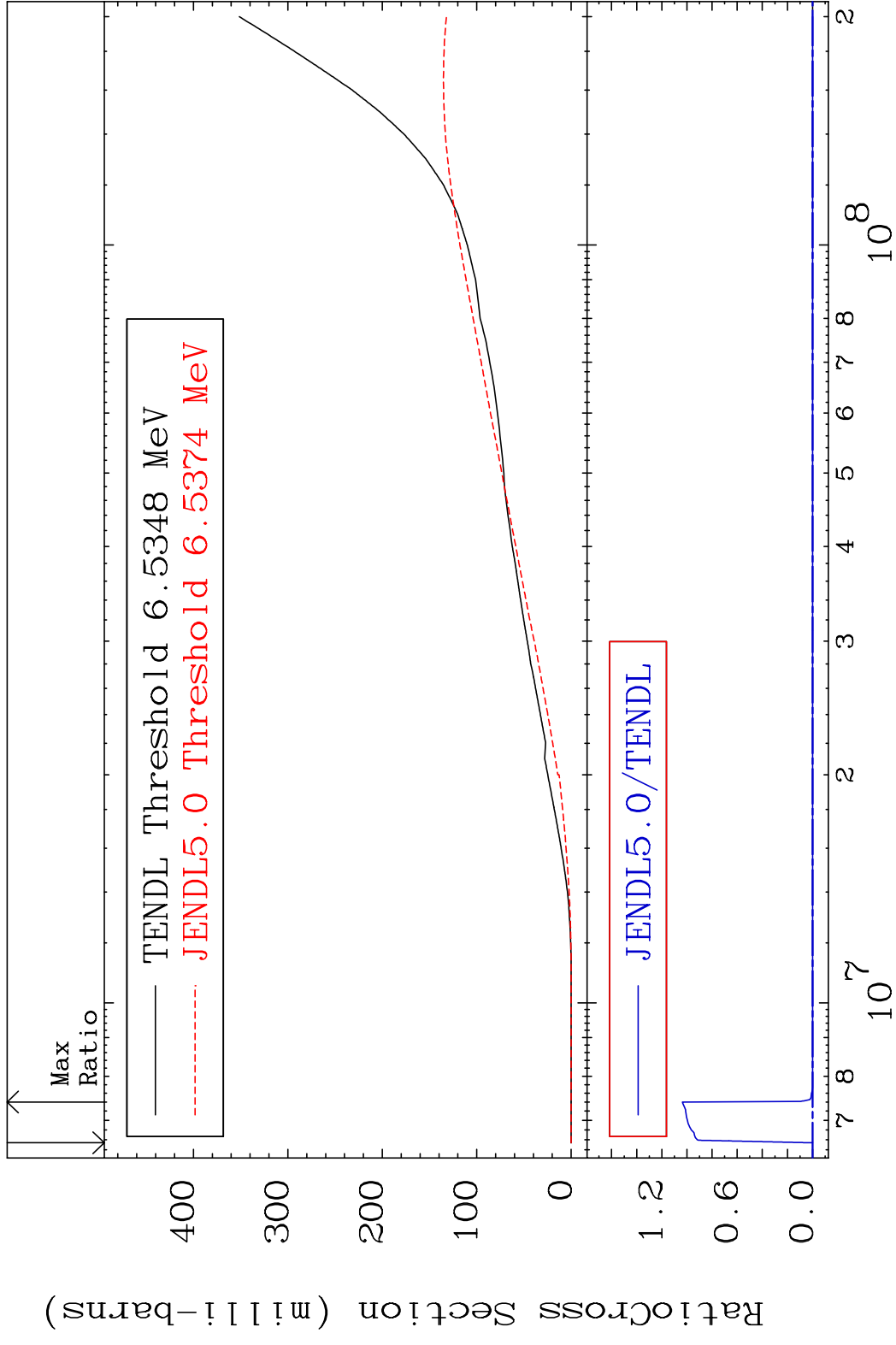


MAT 4028 Hydrogen Production 40-Zr-91
 Cross Section -100.0 To 9999. %

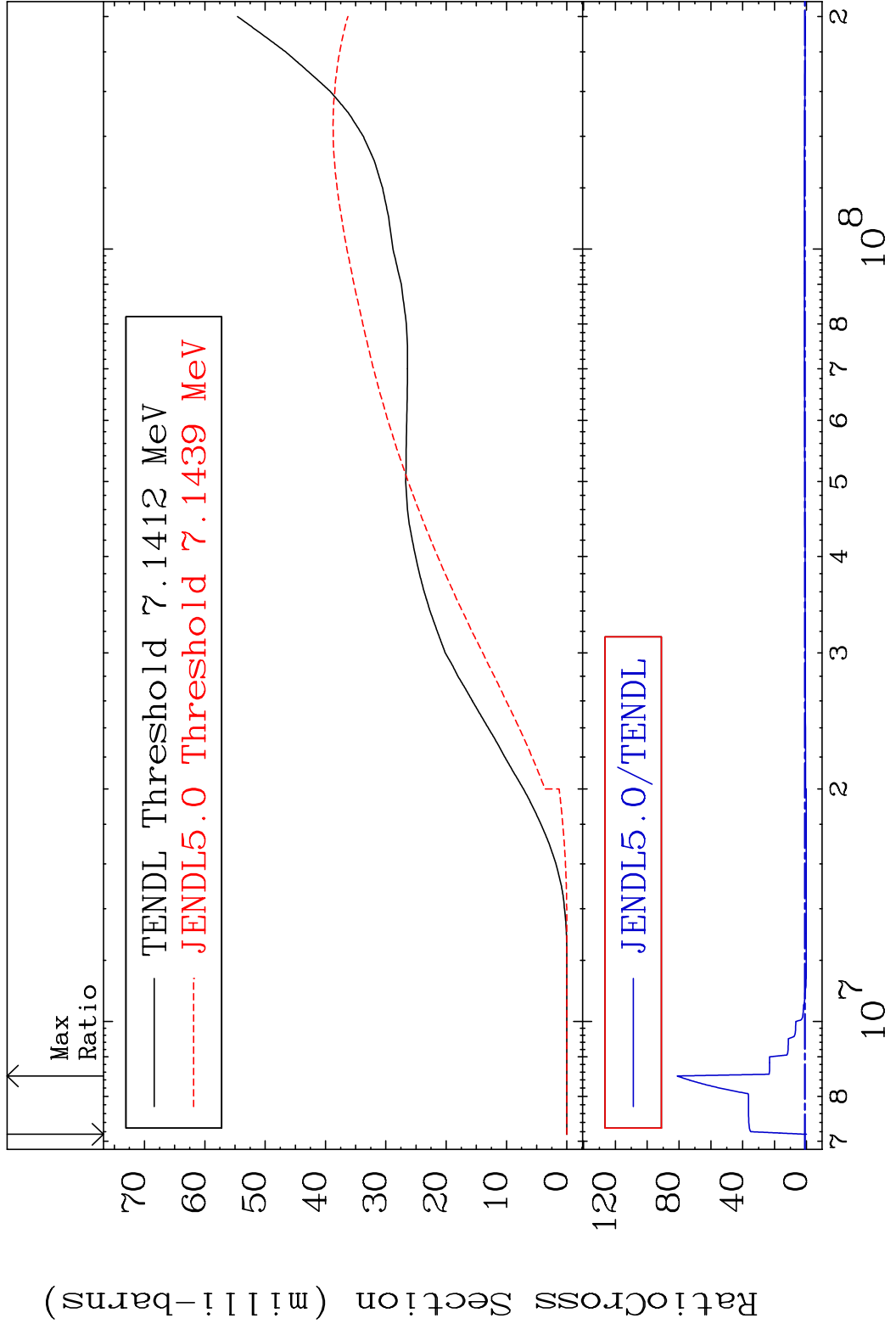


34 Incident Energy (eV) 40-Zr-91

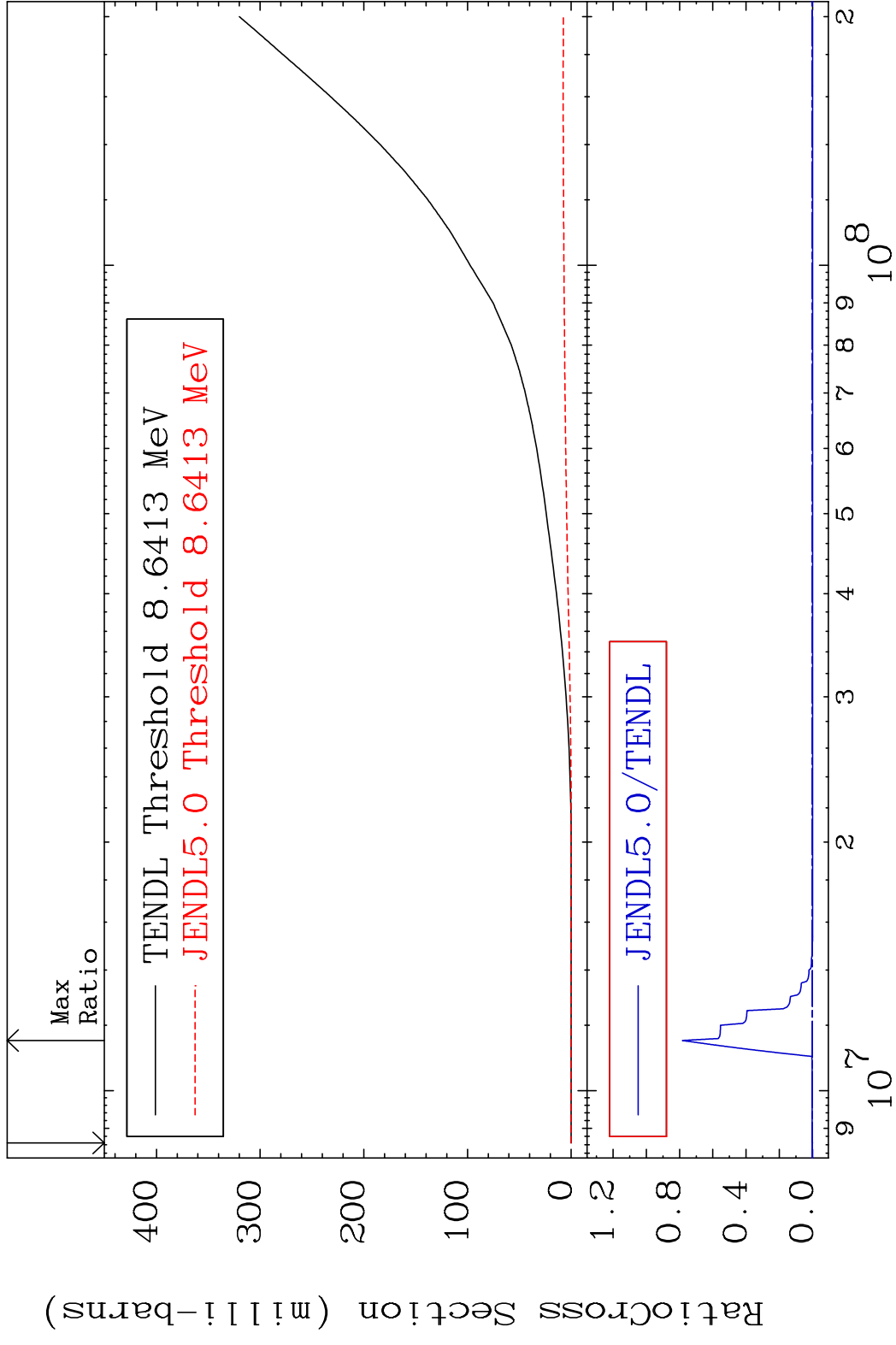
MAT 4028 Deuterium Production 40-Zr-91
 Cross Section -100.0 To 9999. %



MAT 4028 Tritium Production 40-Zr-91
 Cross Section -100.0 To 8015. %



MAT 4028 He-3 Production 40-Zr-91
 Cross Section -100.0 To 9999. %



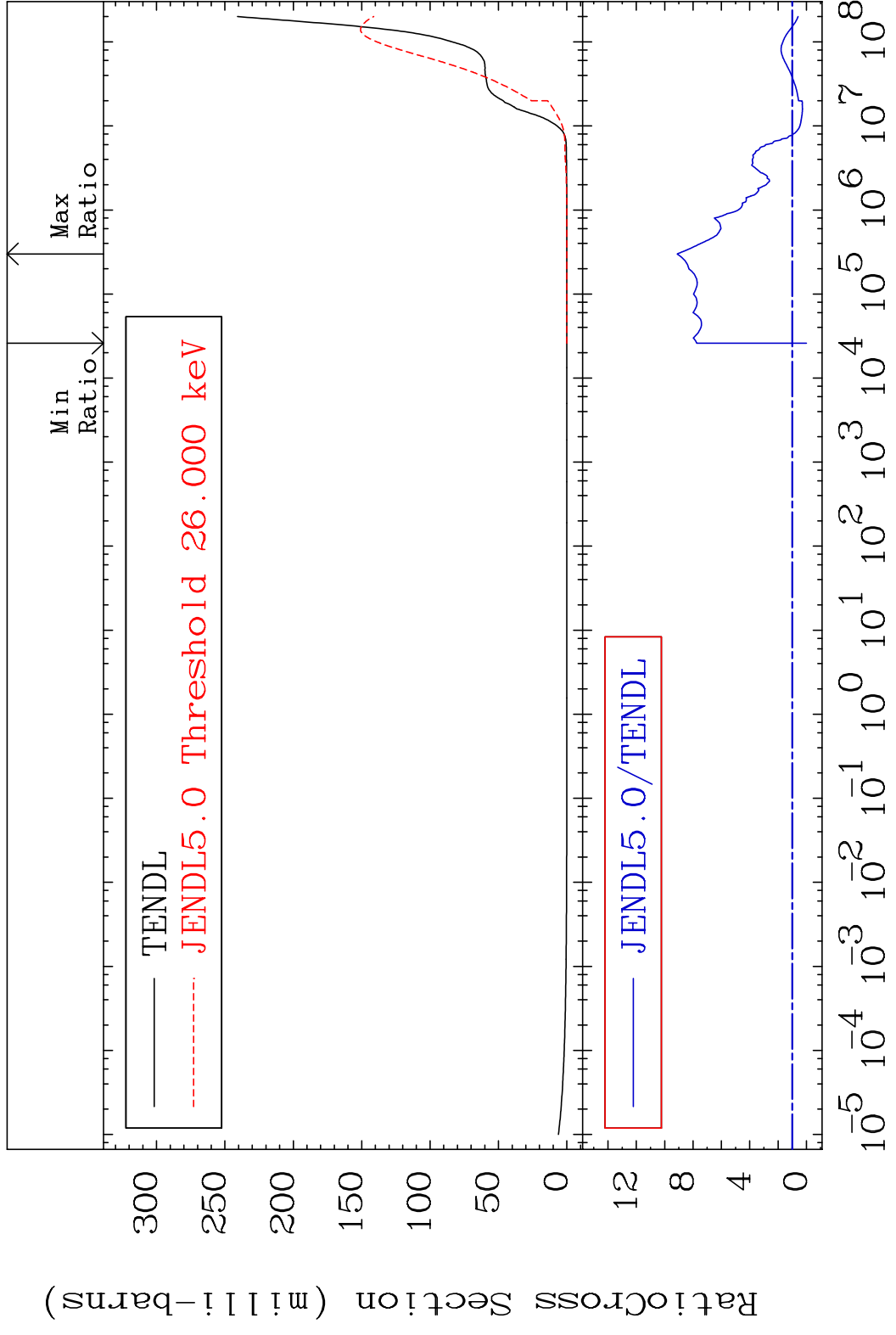
37 Incident Energy (eV) 40-Zr-91

MAT 4028

He-4 Production

40-Zr-91

Cross Section -100.0 To 811.7 %

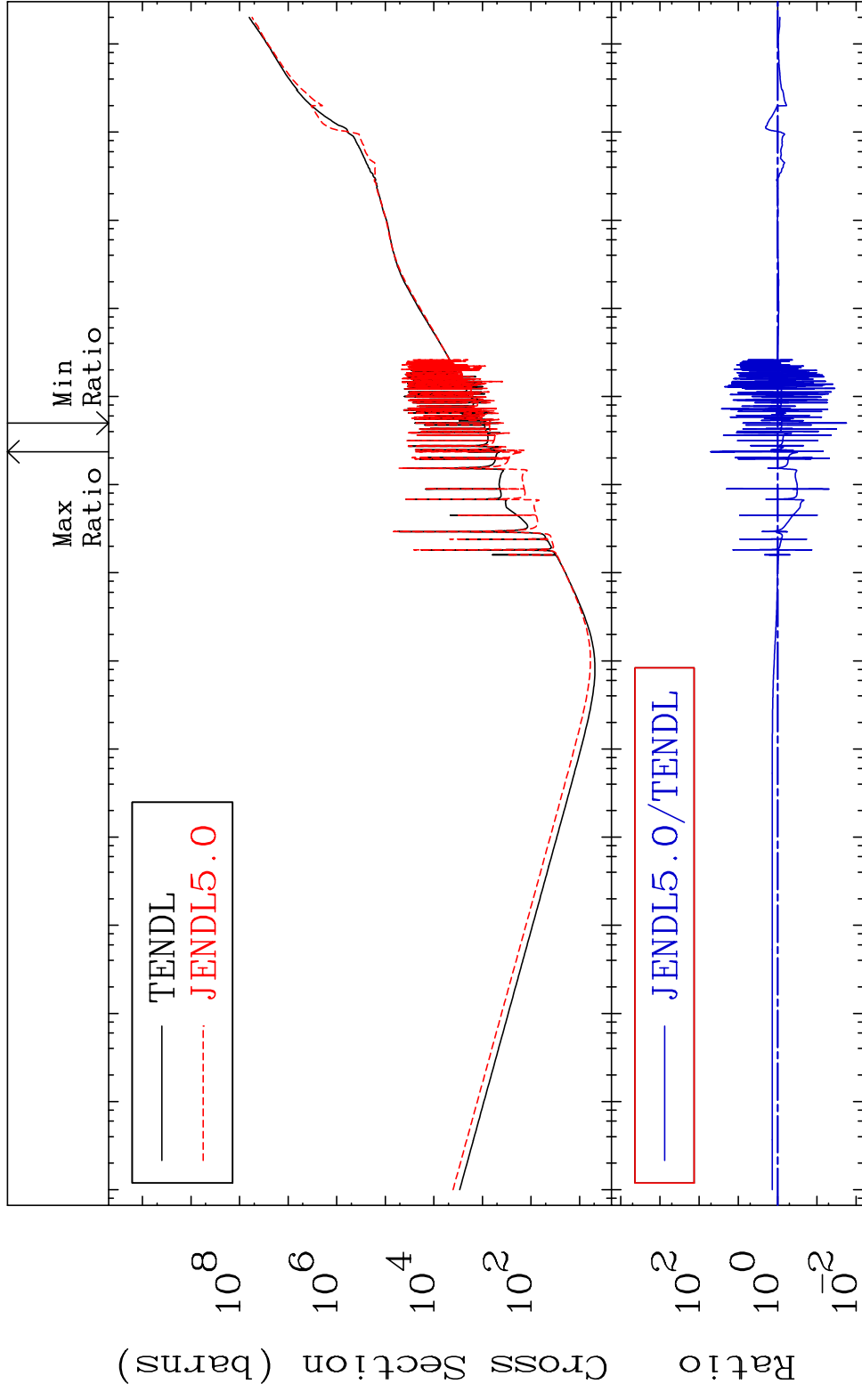


38

Incident Energy (eV)

40-Zr-91

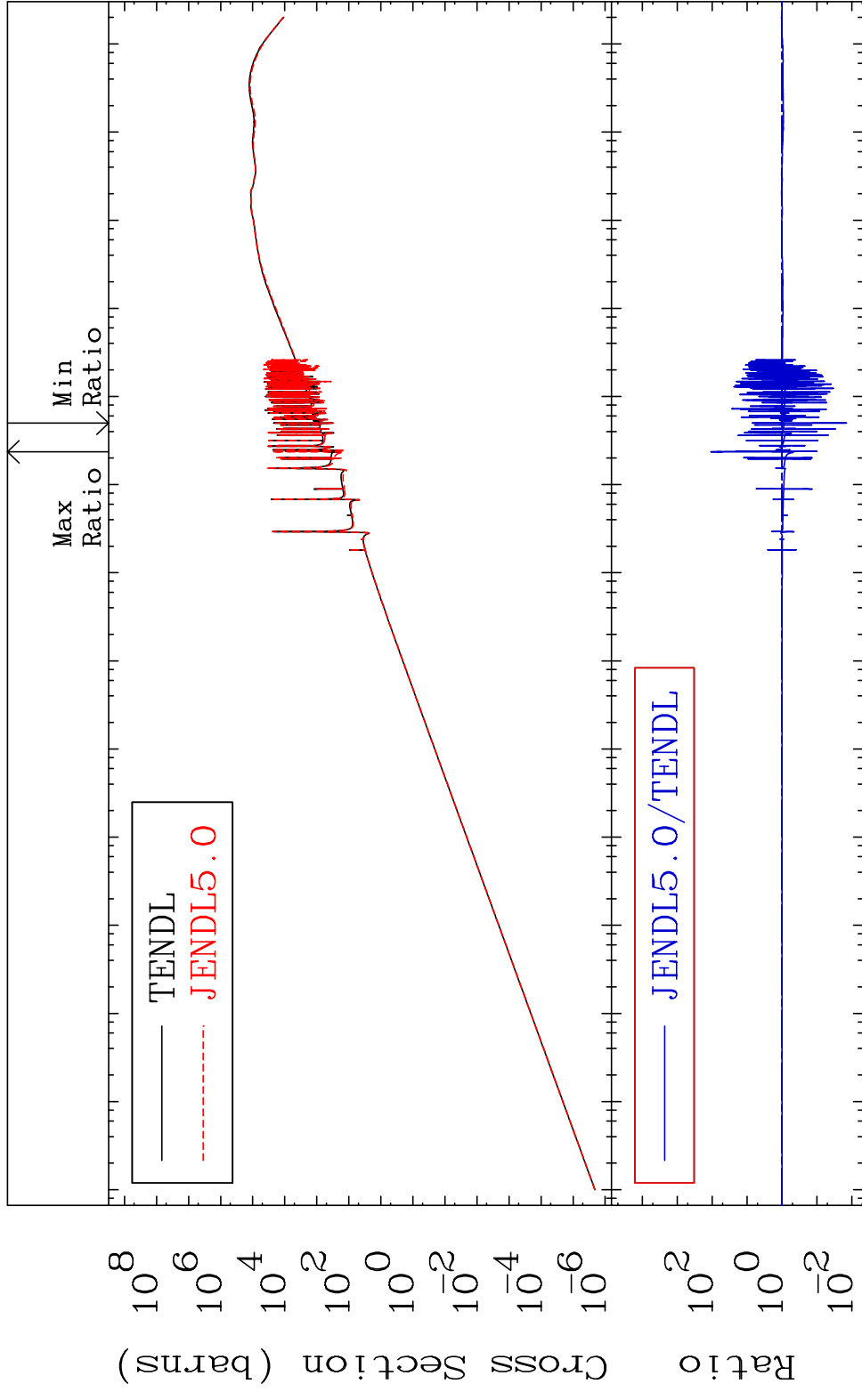
MAT 4028 Kerma total (eV-barns) 40-Zr-91
 Cross Section -98.23 To 4986. %



39 Incident Energy (eV) 40-Zr-91

MAT 4028

Kerma elastic Cross Section -98.57 To 9999. %
40-Zr-91

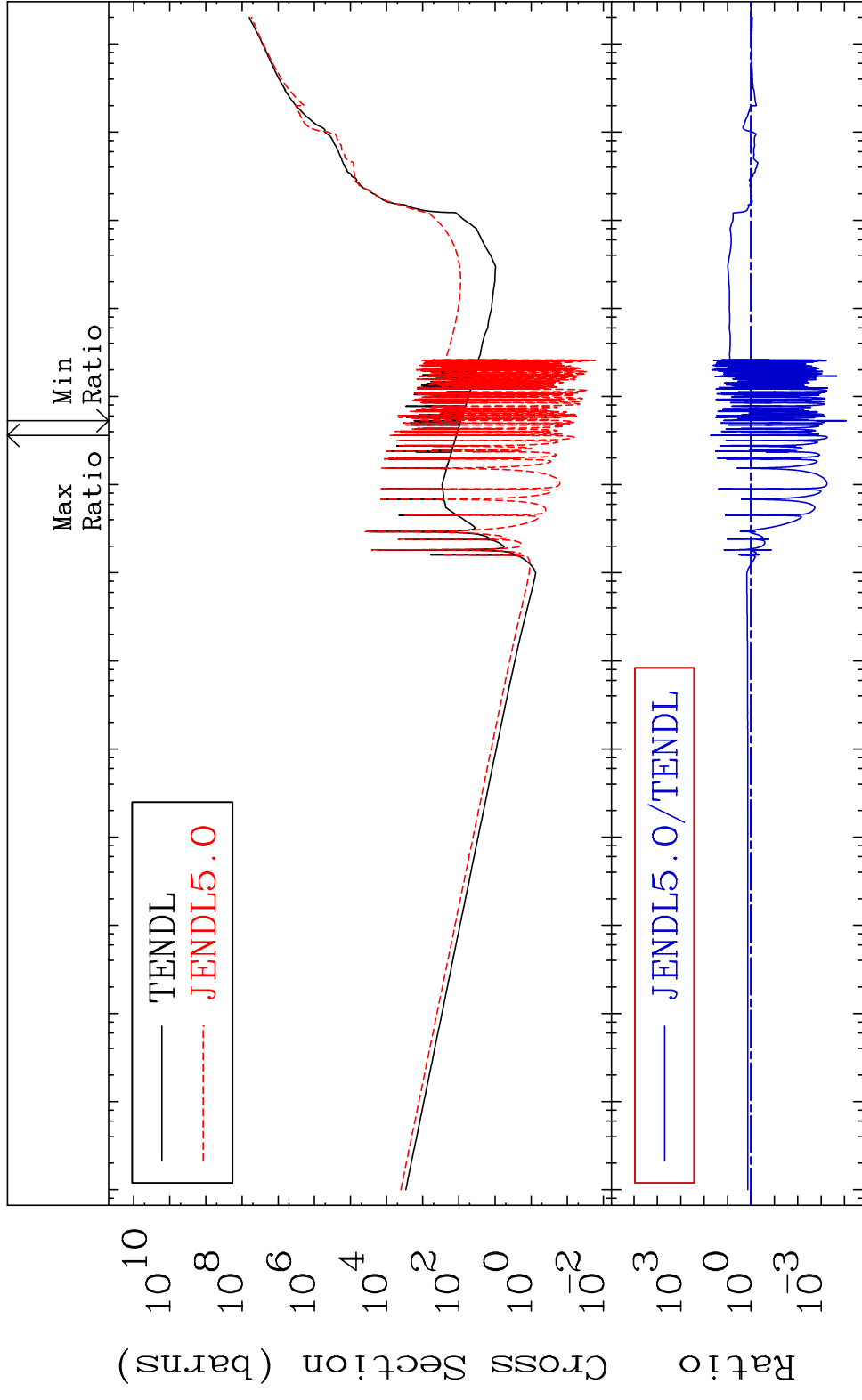


40

Incident Energy (eV)

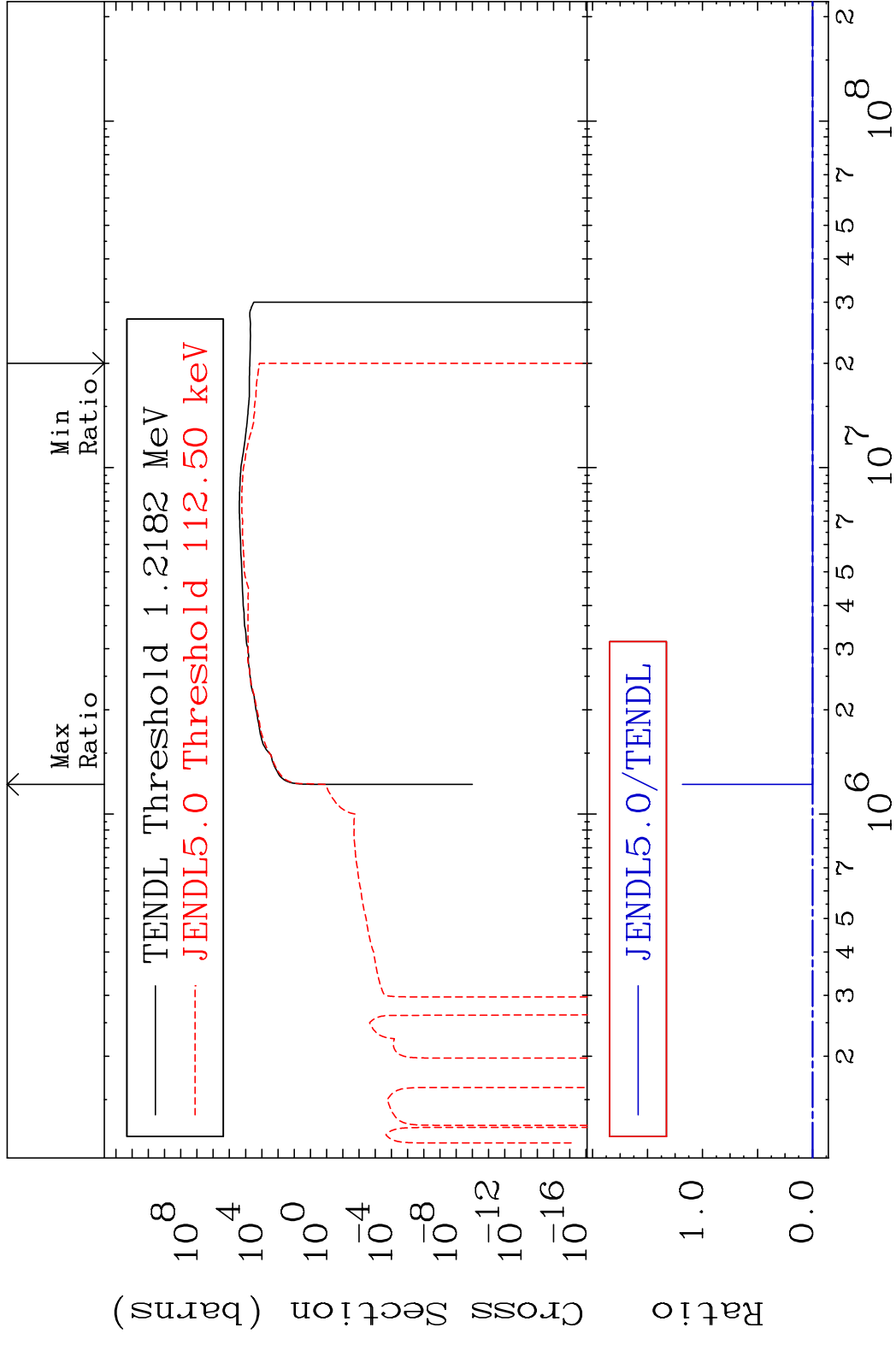
40-Zr-91

MAT 4028 Kerma non-elastic (all but mt2) 40-Zr-91
 Cross Section -99.99 To 5135. %



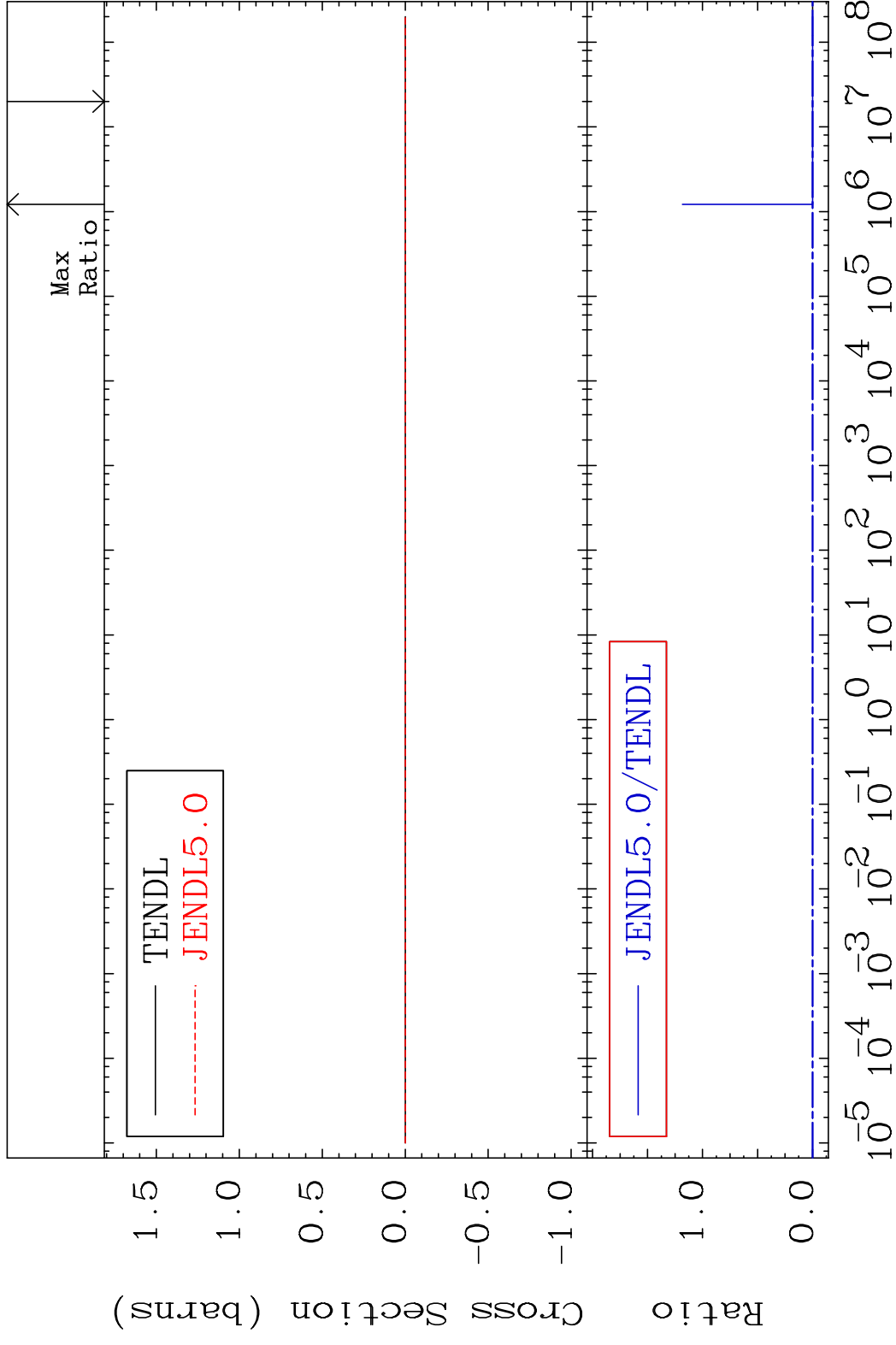
41 Incident Energy (eV) 40-Zr-91

MAT 4028 Kerma inelastic (mt51-91) 40-Zr-91
 Cross Section -100.0 To 9999. %



42 Incident Energy (eV) 40-Zr-91

MAT 4028 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-91
 Cross Section -100.0 To 9999. %

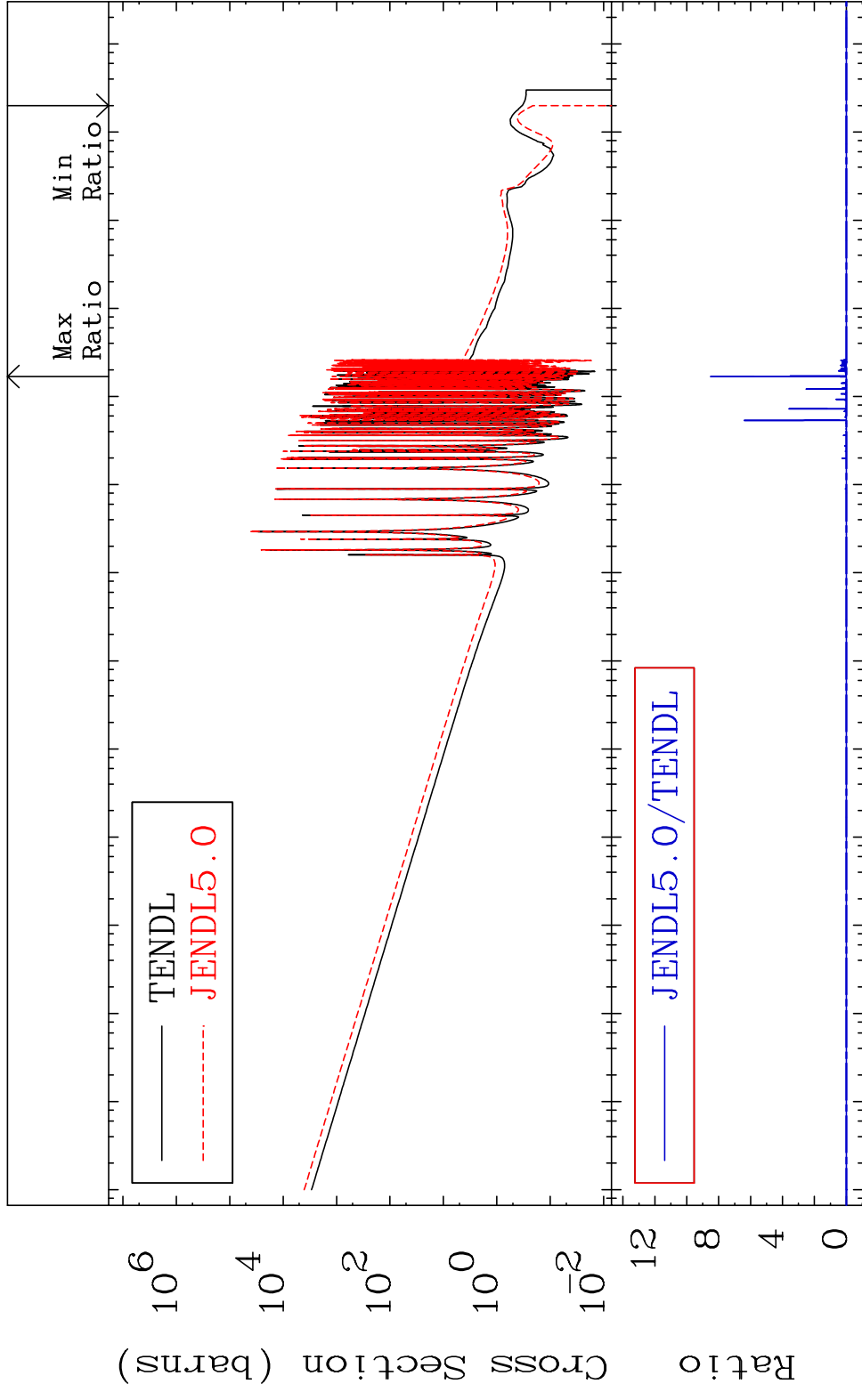


43

Incident Energy (eV)

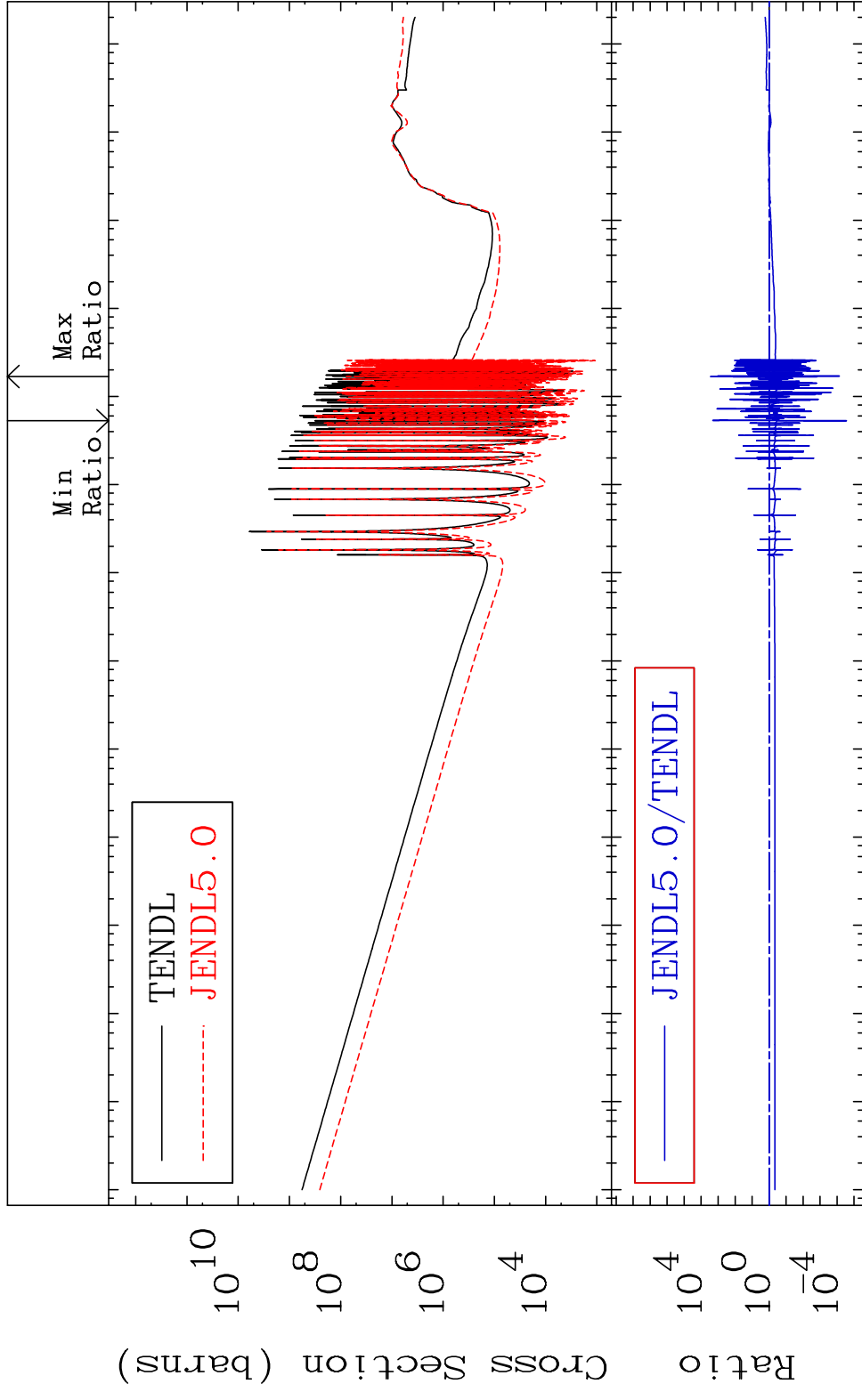
40-Zr-91

MAT 4028 Kerma capture (mt102) 40-Zr-91
 Cross Section -100.0 To 9999. %



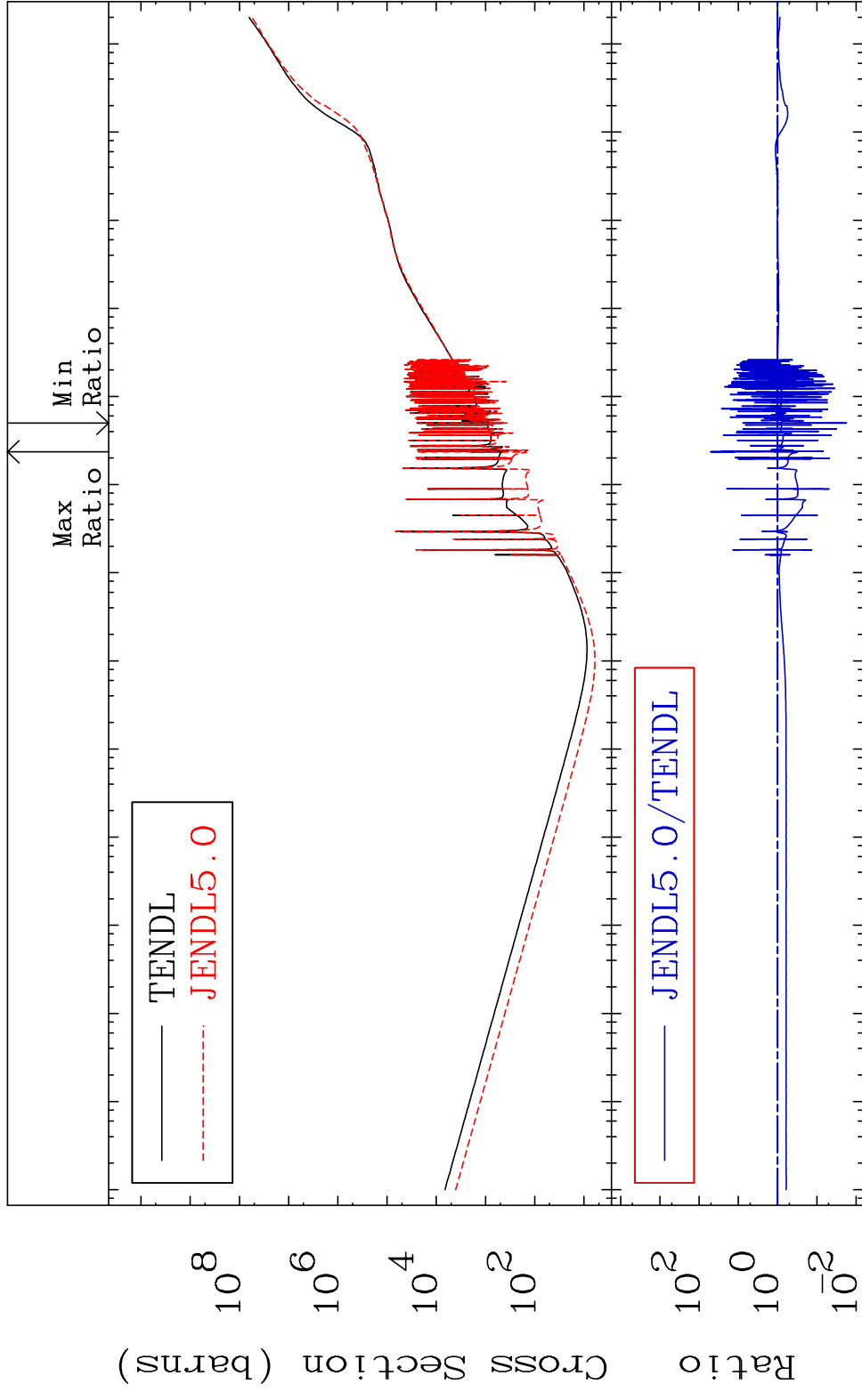
44 Incident Energy (eV) 40-Zr-91

MAT 4028 Total photon (eV-barns) 40-Zr-91
Cross Section -100.0 To 9999. %

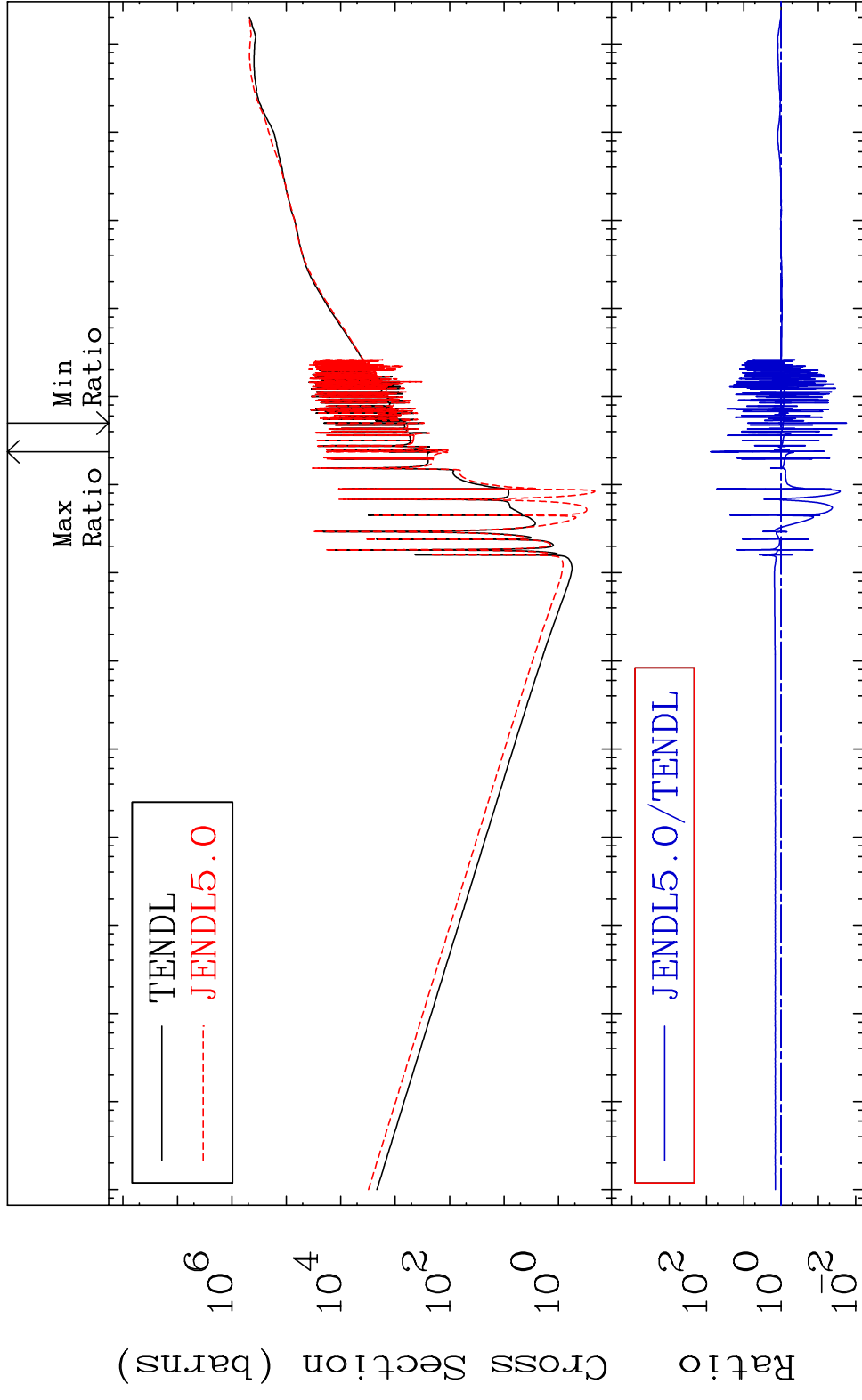


45 Incident Energy (eV) 40-Zr-91

MAT 4028 Total kinematic kerma (high limit) 40-Zr-91
 Cross Section -98.23 To 4970. %



MAT 4028 Dpa total (eV-barns) 40-Zr-91
 Cross Section -98.23 To 7600. %

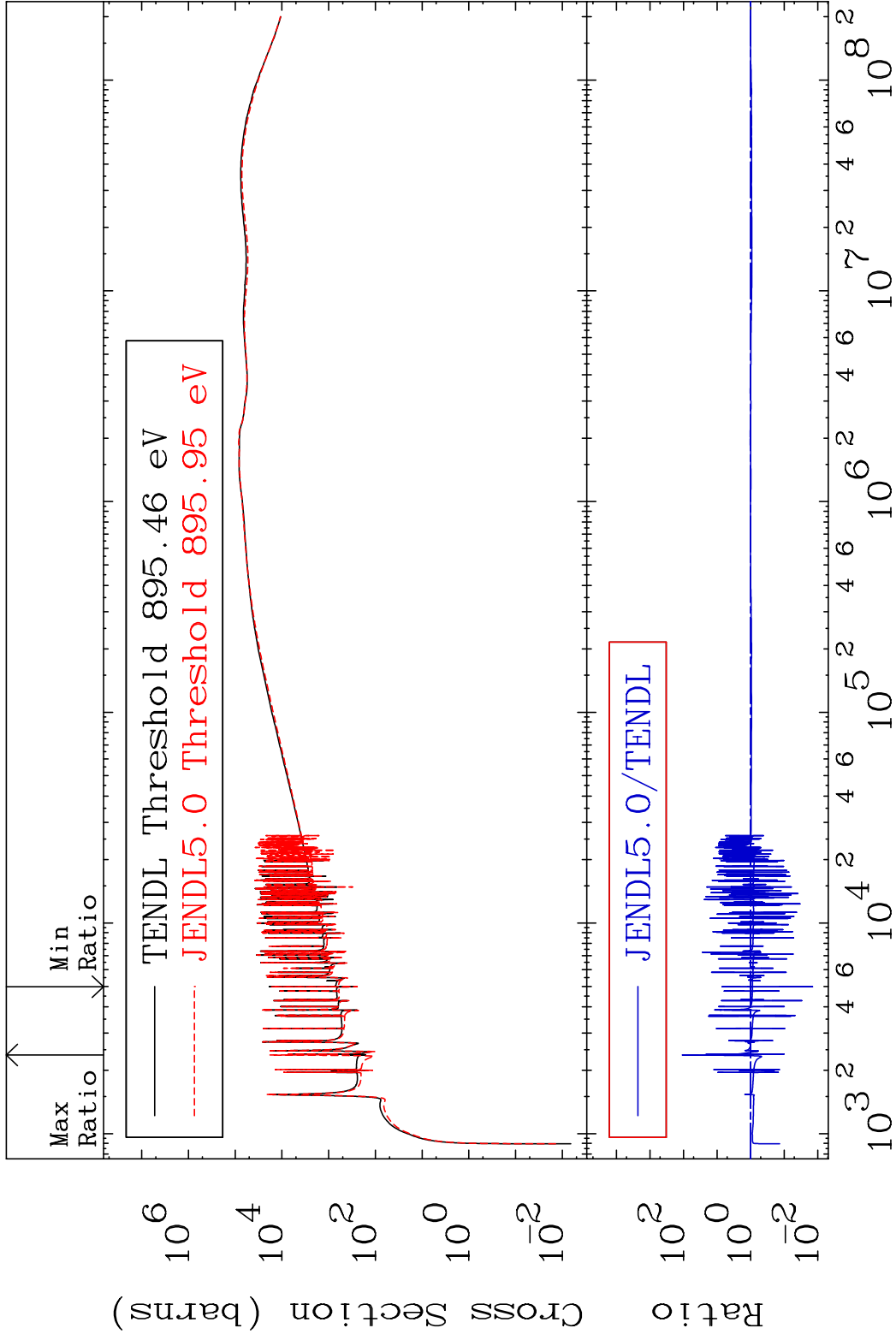


MAT 4028

Dpa elastic (mt2)

40-Zr-91

Cross Section -98.56 To 9999. %

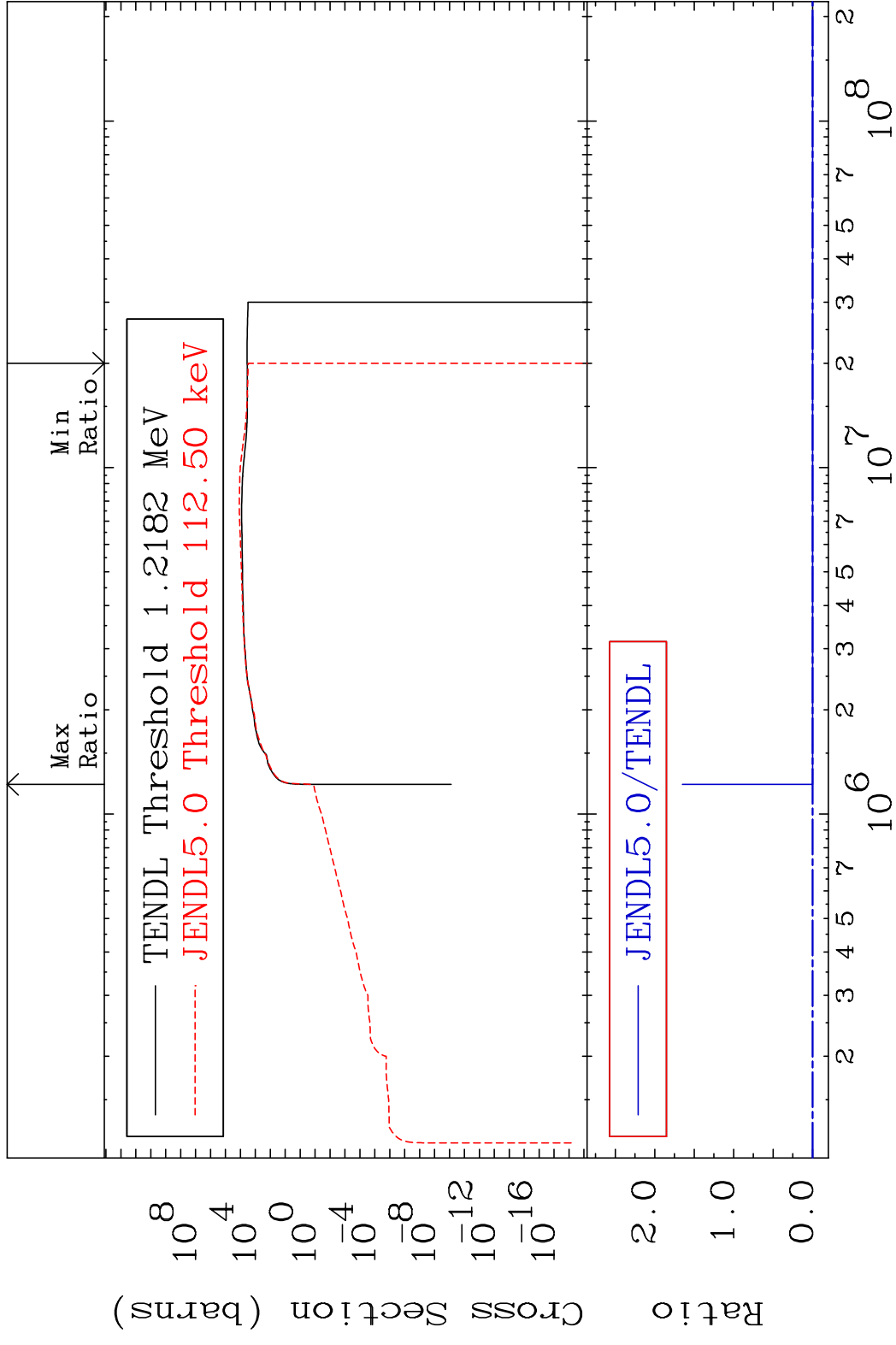


48

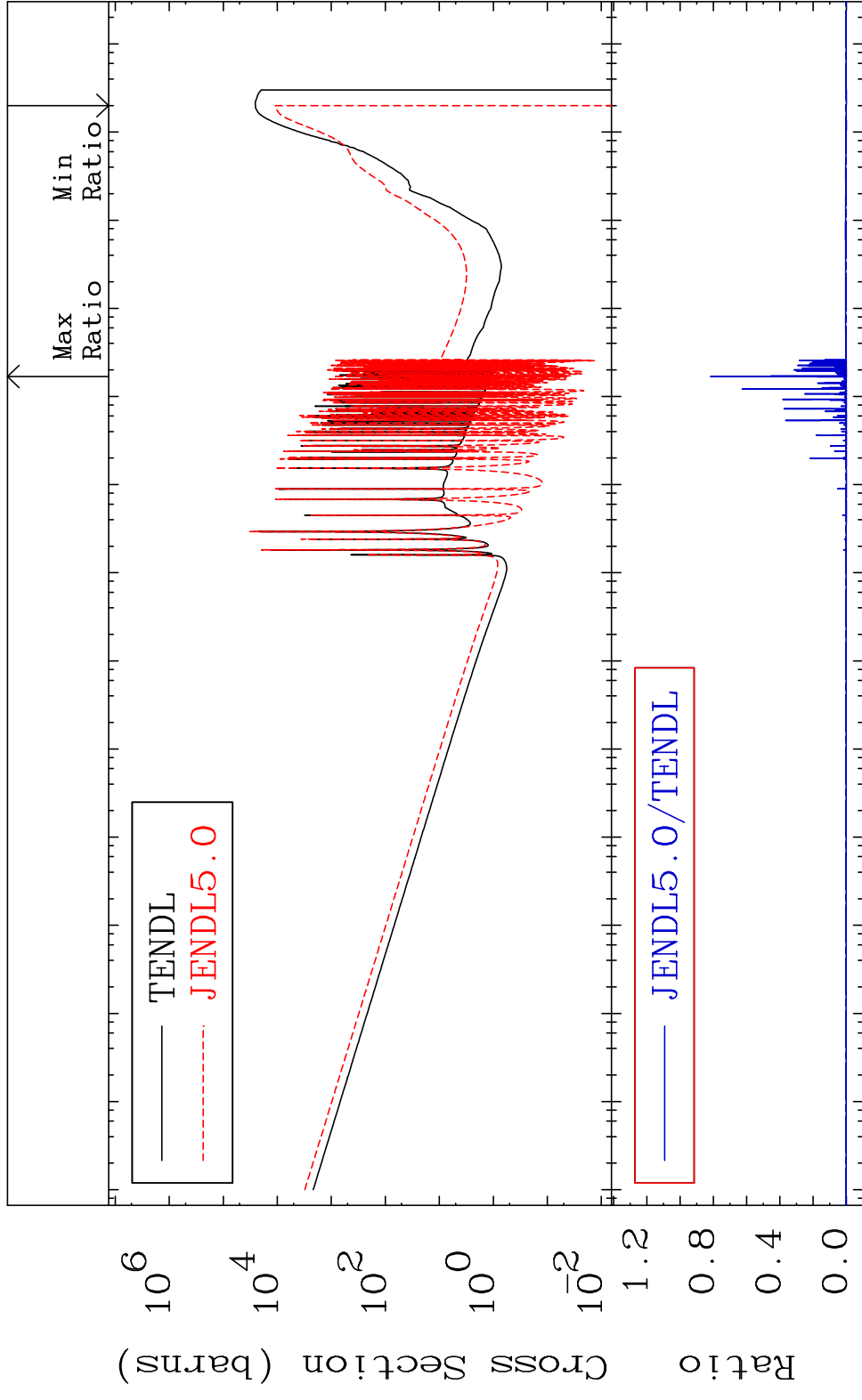
Incident Energy (eV)

40-Zr-91

MAT 4028 Dpa inelastic (mt51-91) 40-Zr-91
 Cross Section -100.0 To 9999. %

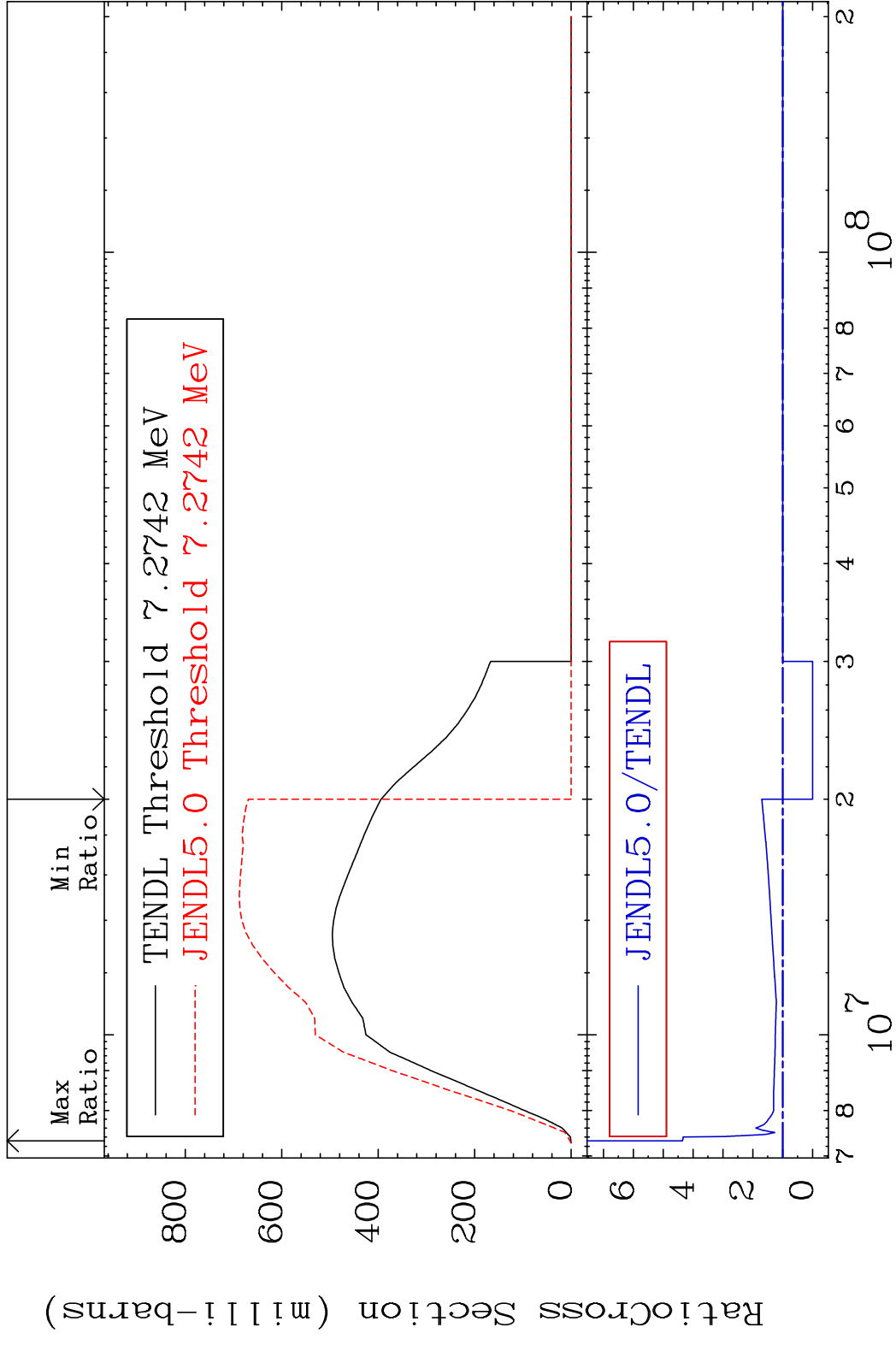


MAT 4028 Dpa disappearance (mt102 -120) 40-Zr-91
 Cross Section -100.0 To 9999. %

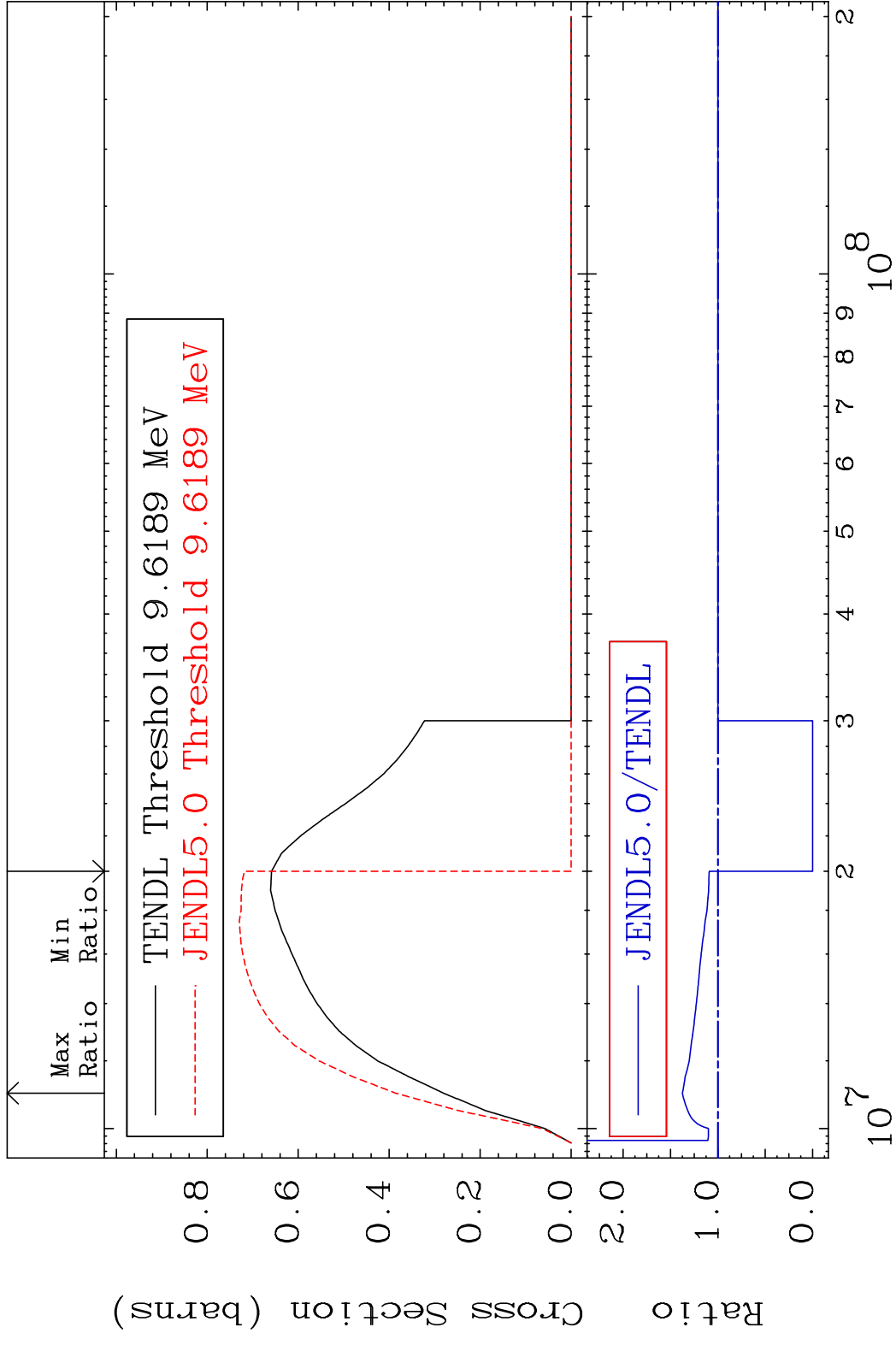


50 Incident Energy (eV) 40-Zr-91

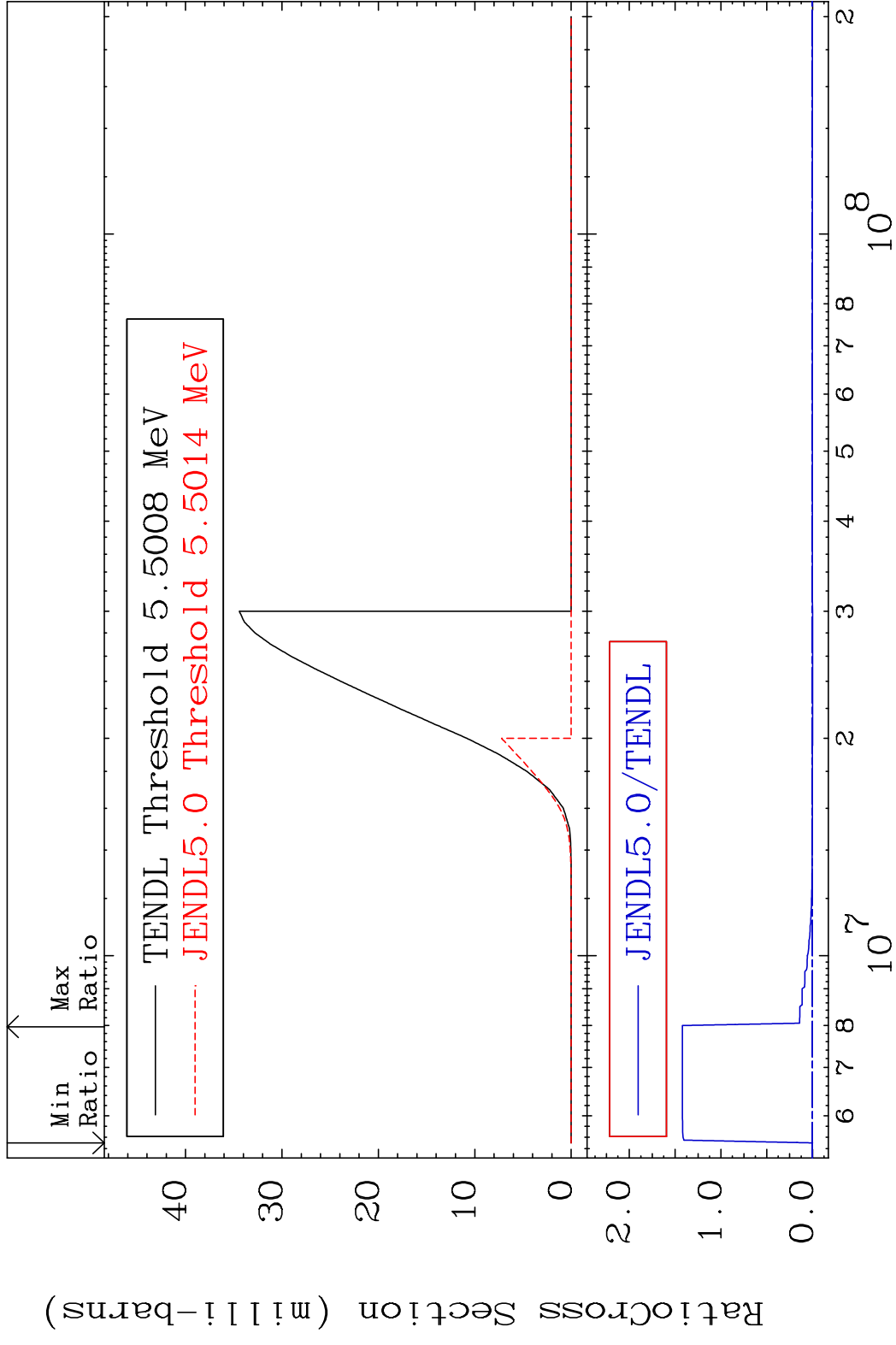
MAT 4028 (n,2n):40-Zr-90g 40-Zr-91
 Radionuclide Production Cross Section 335.8 %



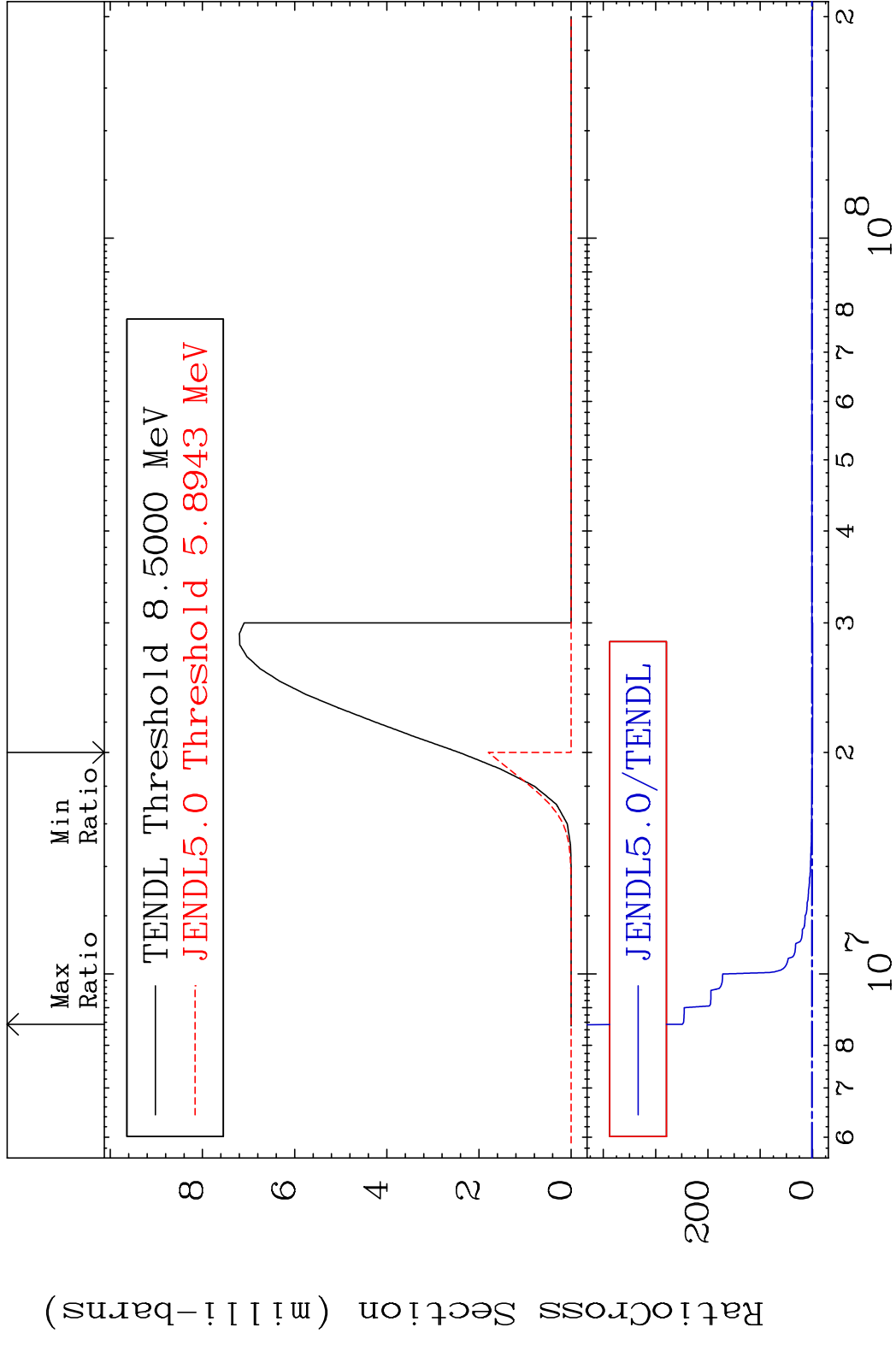
MAT 4028 (n,2n):40-Zr-90m3 40-Zr-91
 Radionuclide Production Cross Section 37.49 %



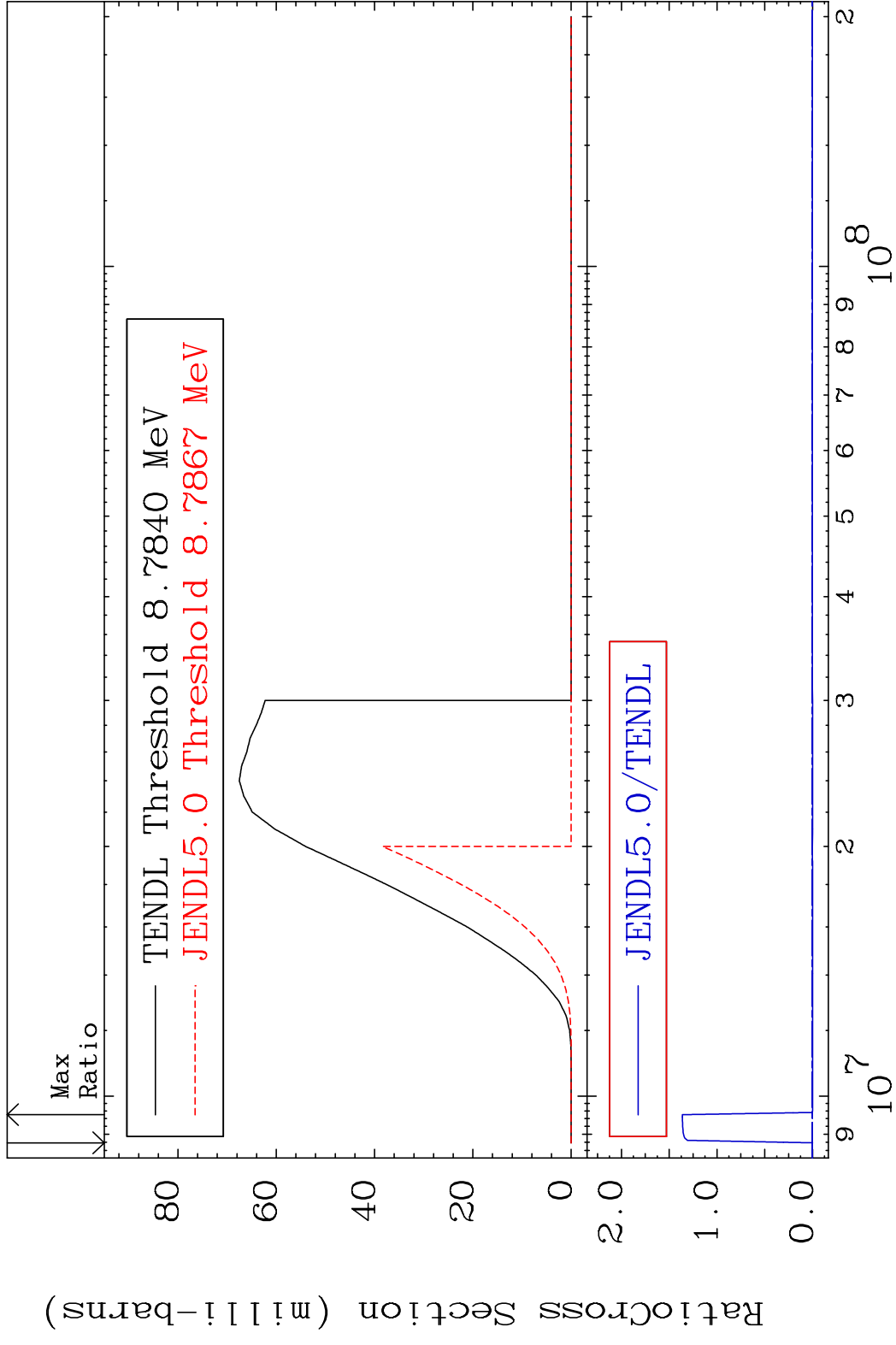
MAT 4028 (n, n') α :38-Sr-87g 40-Zr-91
 Radionuclide Production Cross Section Ratio



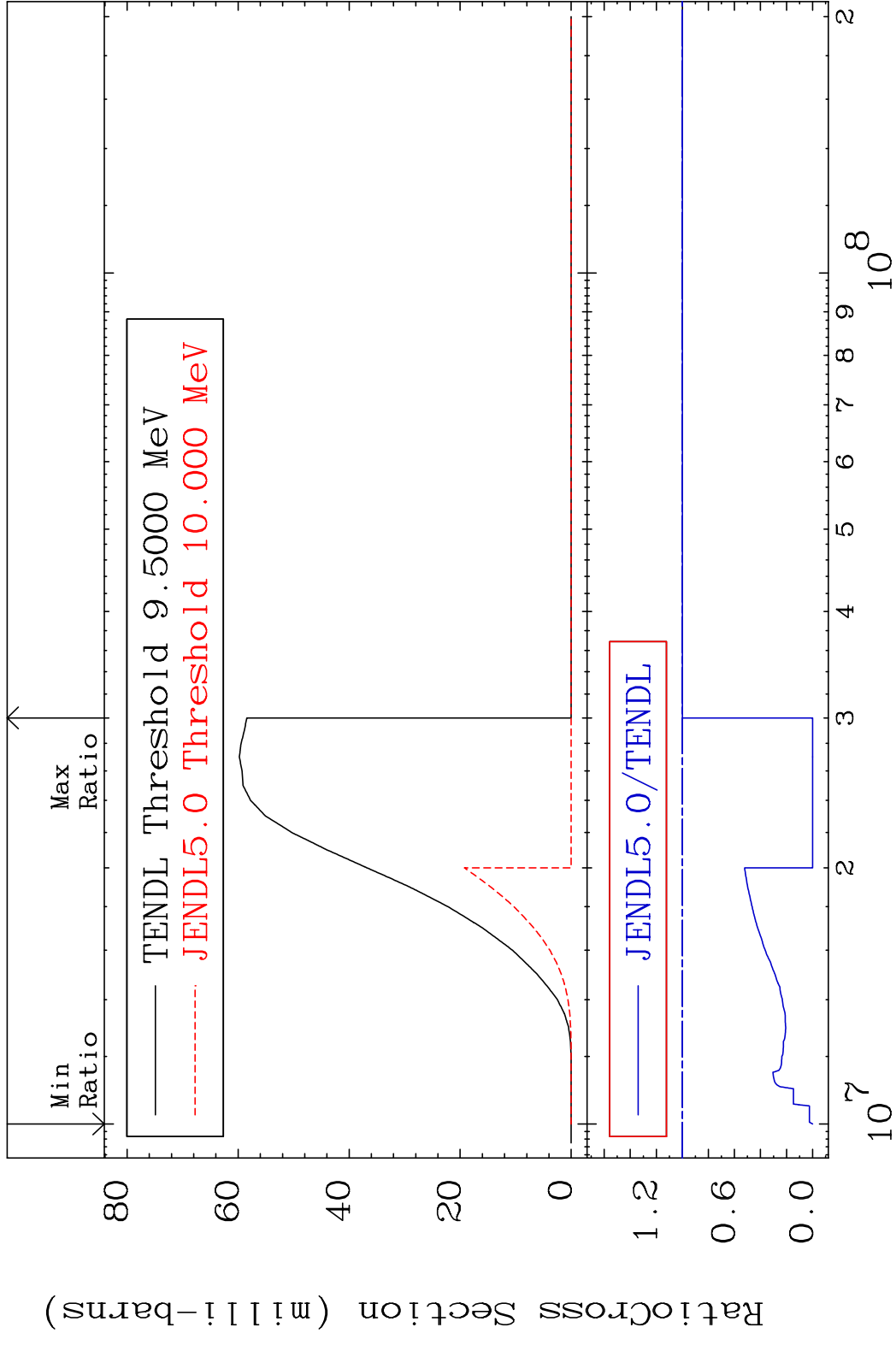
MAT 4028 (n, n') α :38-Sr-87m1 40-Zr-91
 Radionuclide Production Cross Section Ratio 9999. %



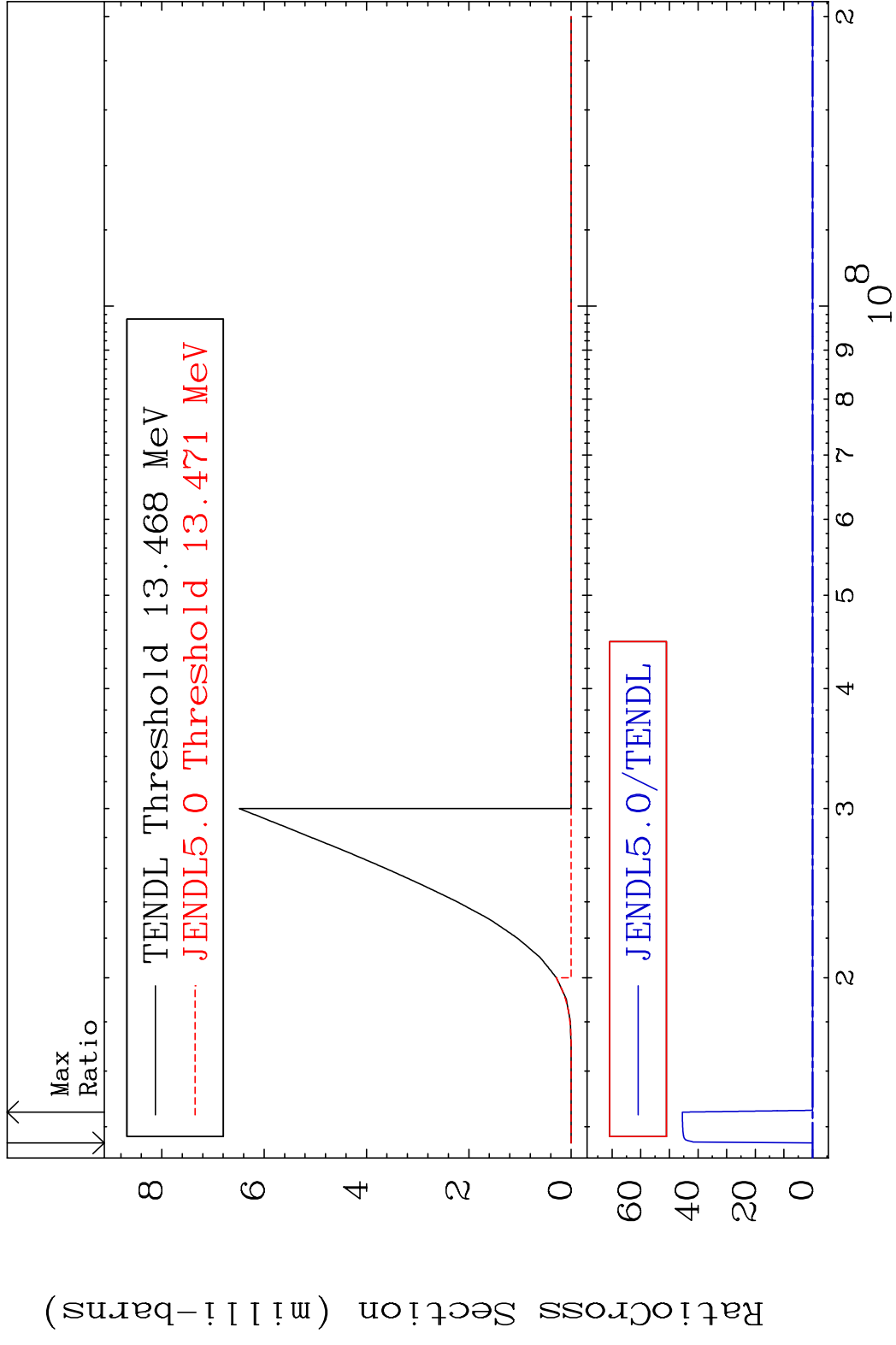
MAT 4028 (n, n') p:39-Y -90g 40-Zr-91
 Radionuclide Production Cross Section 100.00 dth 9999. %

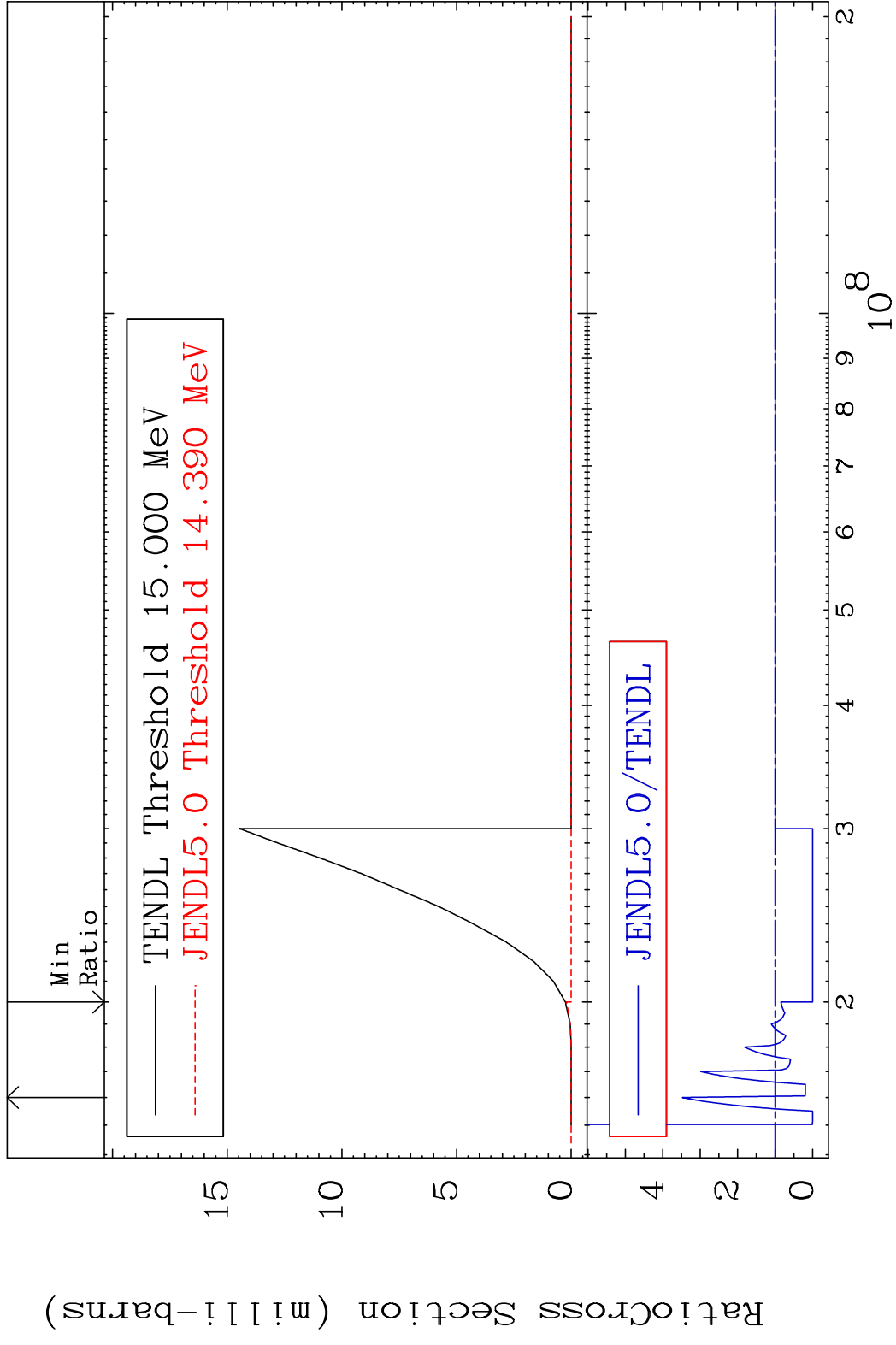


55 Incident Energy (eV) 40-Zr-91

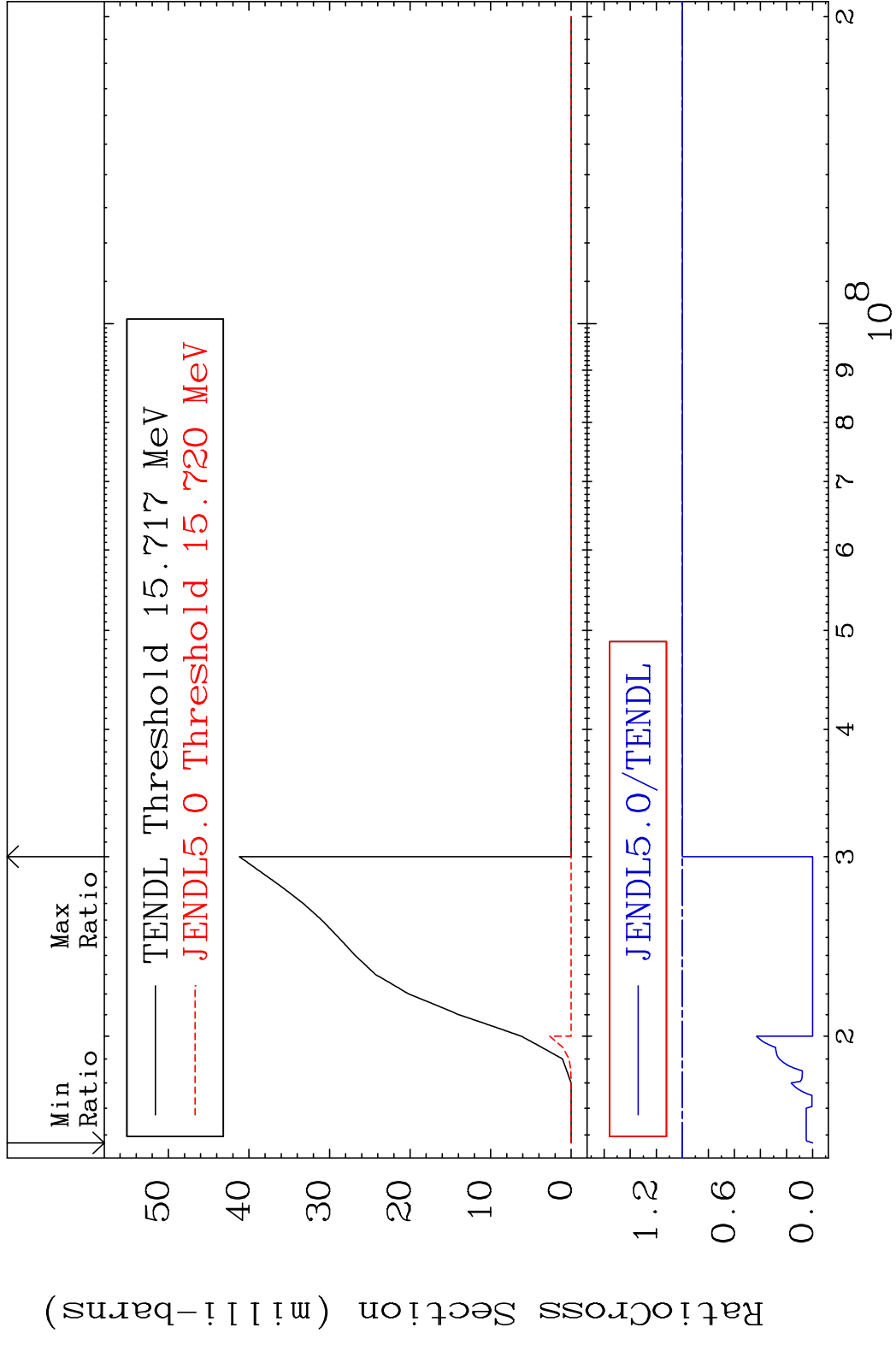


MAT 4028 (n, n') d:39-Y -89g 40-Zr-91
 Radionuclide Production Cross Section Ratio 9999. %

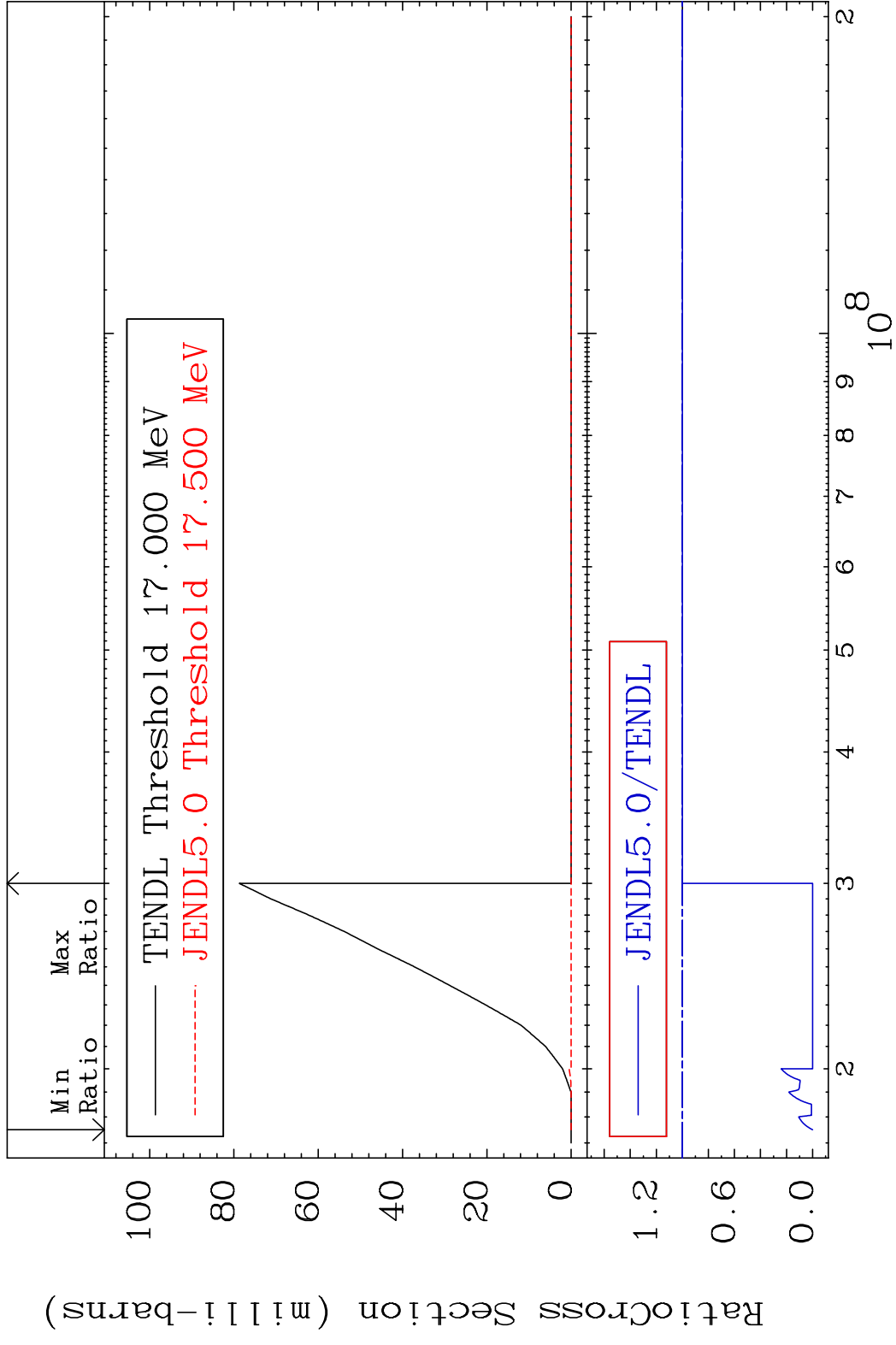




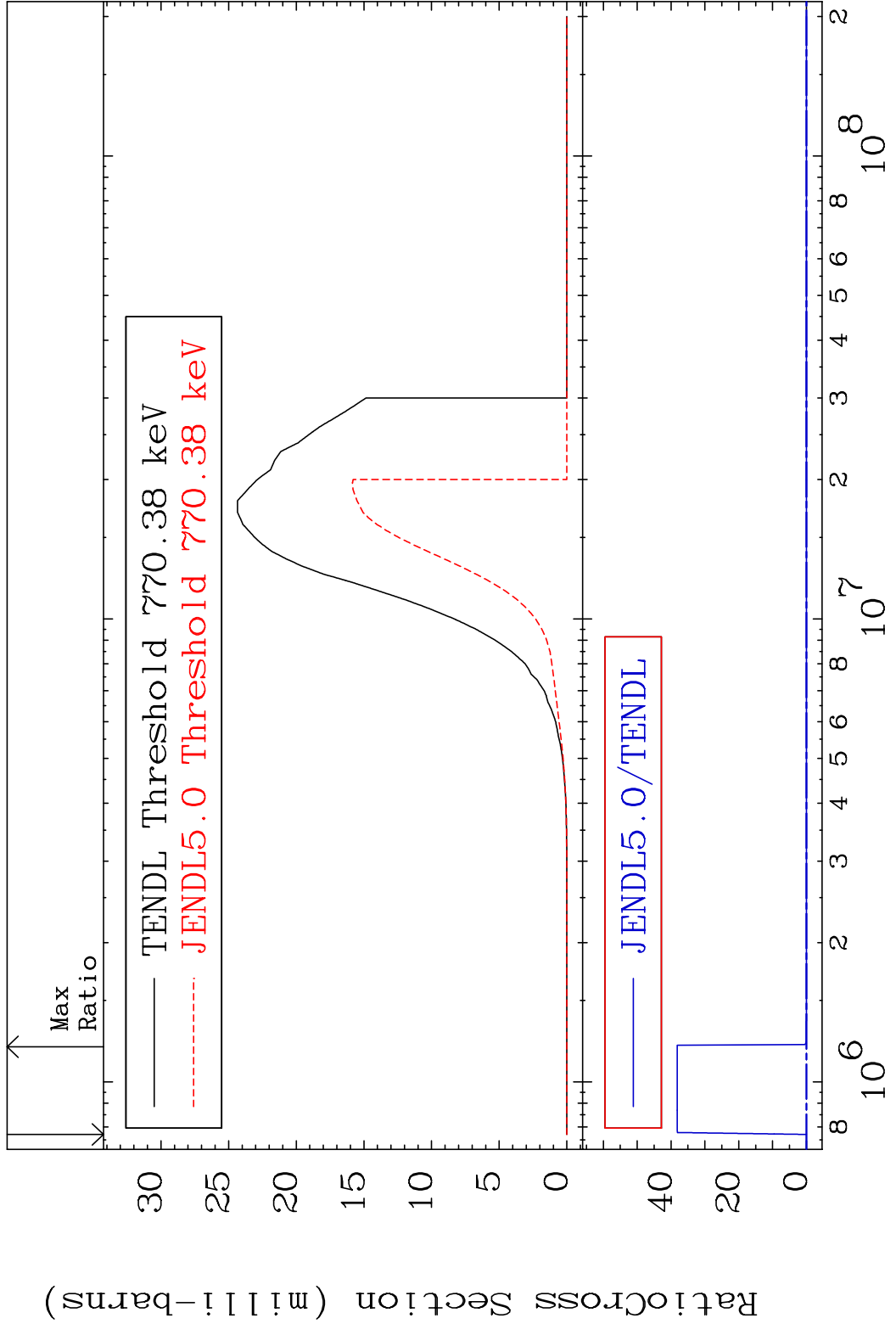
MAT 4028 (n,2n) p:39-Y -89g 40-Zr-91
 Radionuclide Production Cross Section 180.0 mb 0.000 %



MAT 4028 (n,2n) p:39-Y -89m1 40-Zr-91
 Radionuclide Production Cross Section 180.0 mb 0.000 %

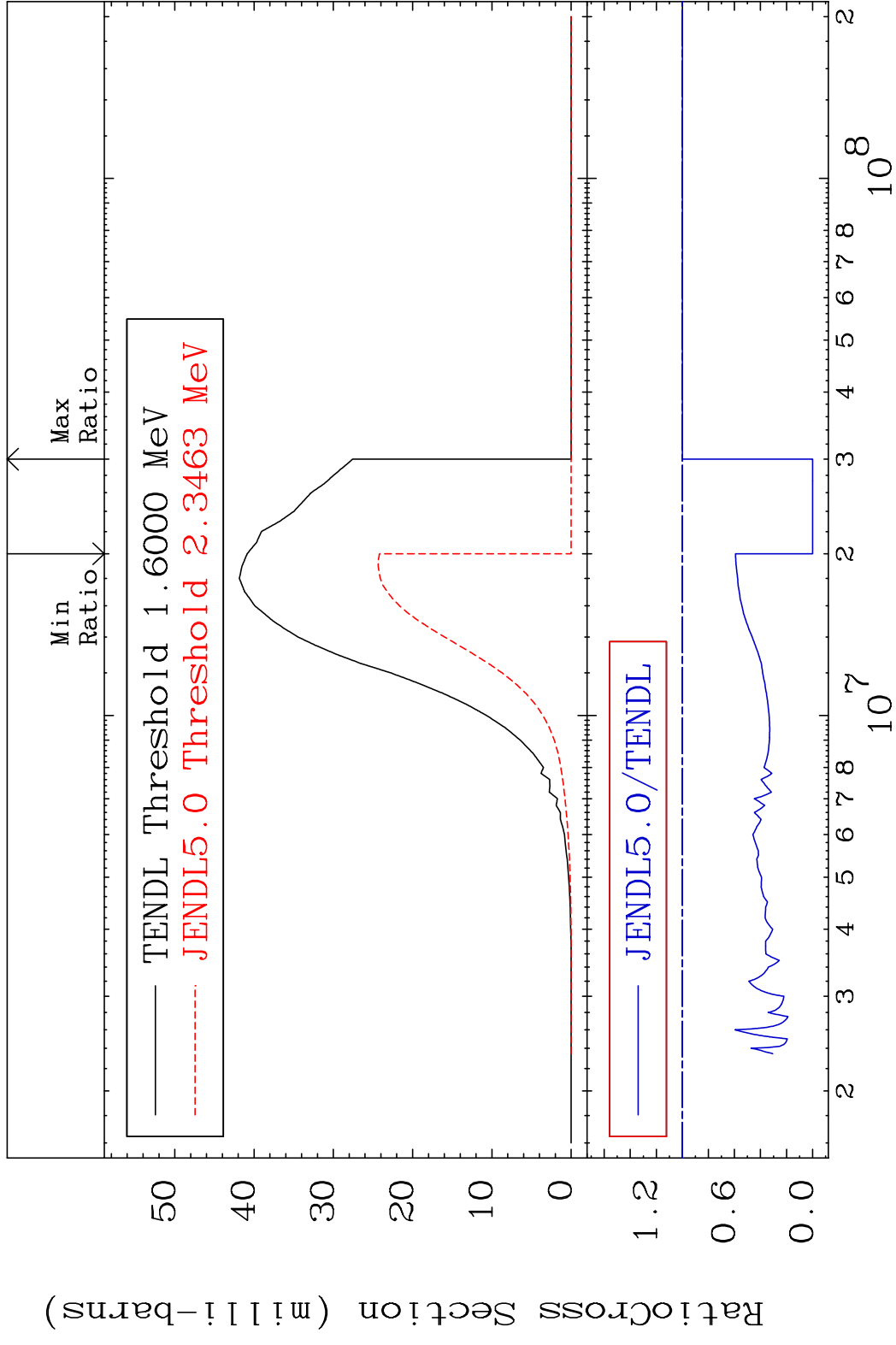


MAT 4028 (n,p):39-Y -91g 40-Zr-91
 Radionuclide Production Cross Section 100.00 to 9999.00 %

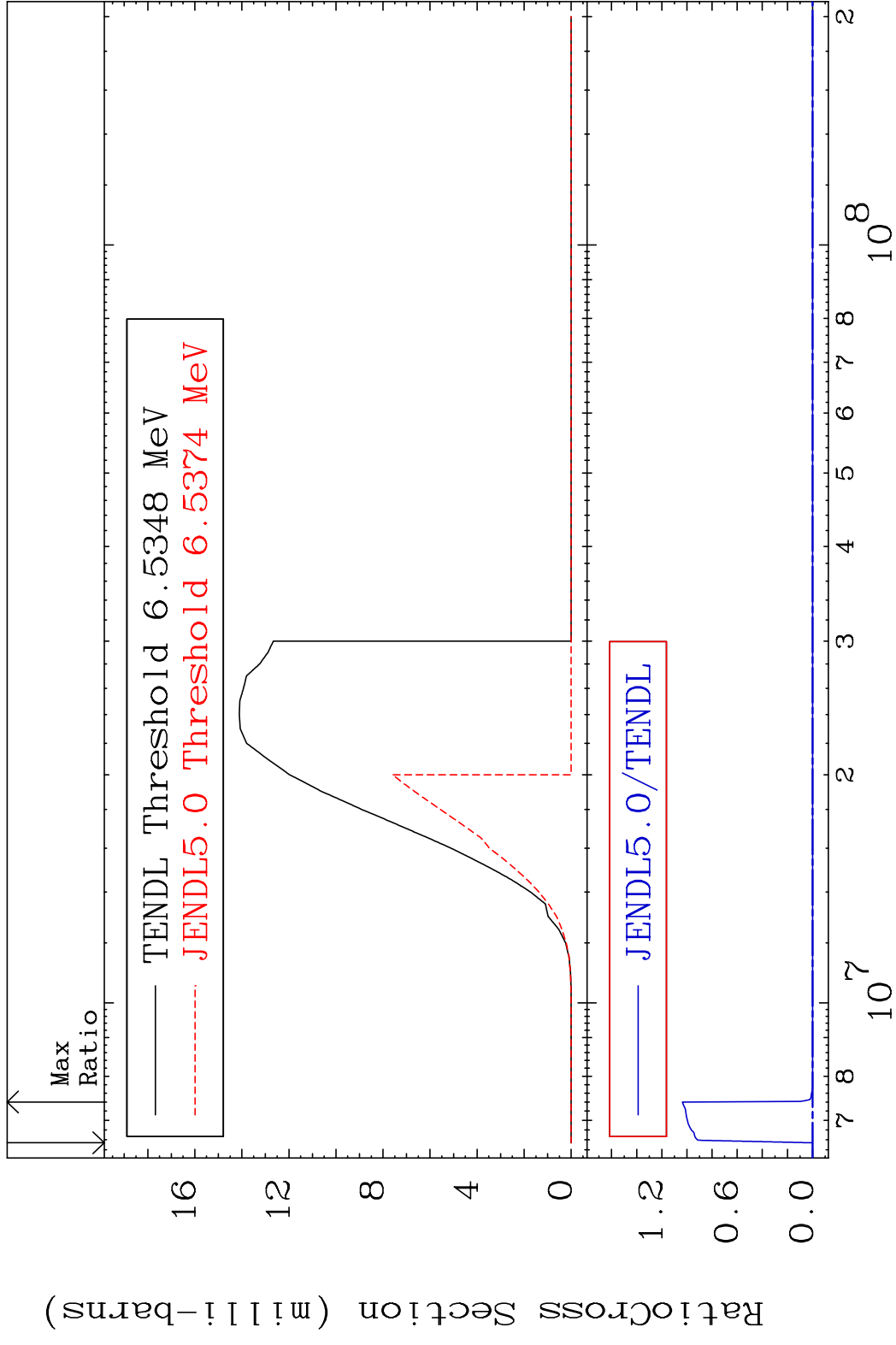


61 Incident Energy (eV) 40-Zr-91

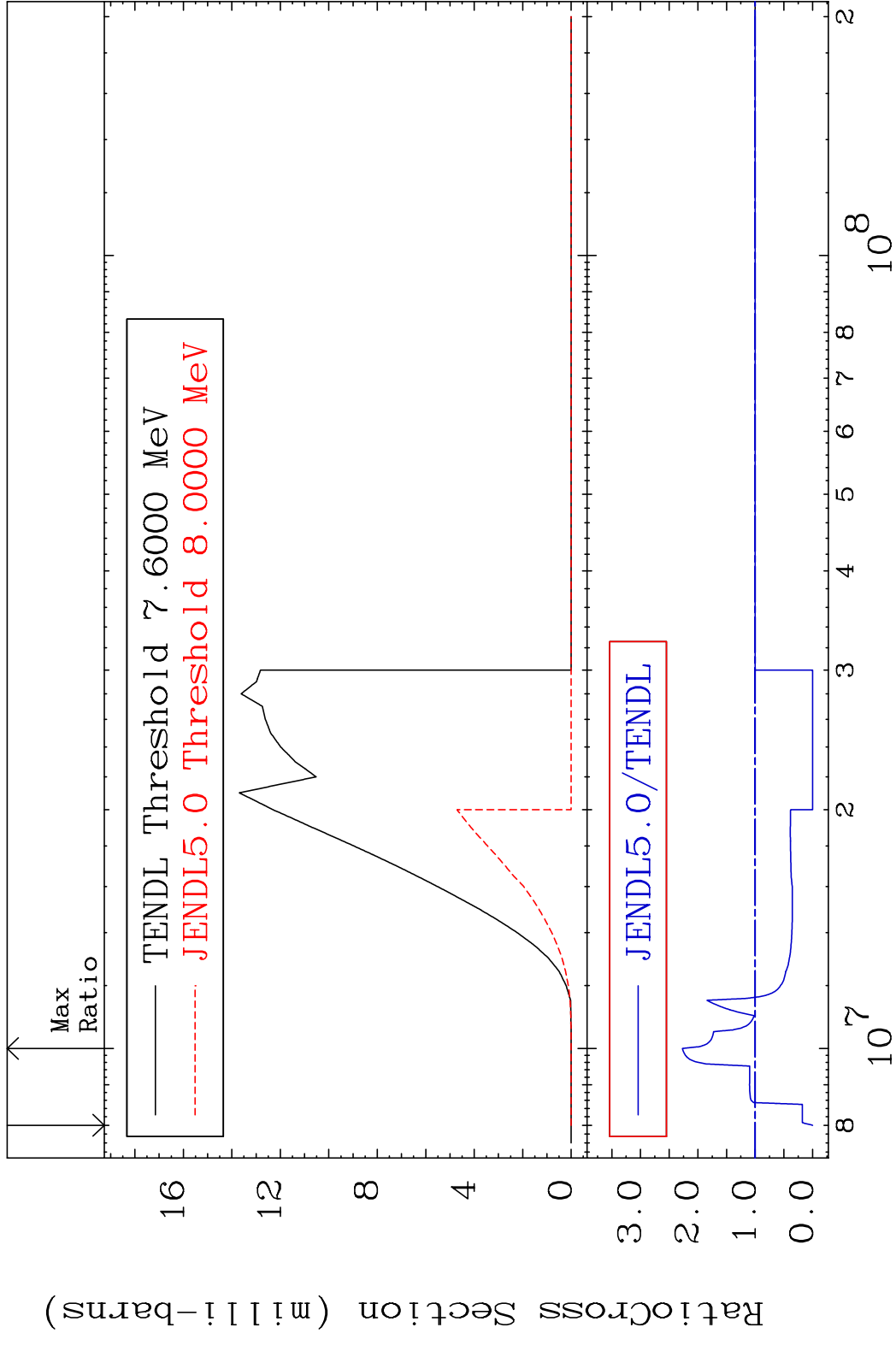
MAT 4028 (n,p):39-Y -91m1 40-Zr-91
 Radionuclide Production Cross Section 1.000 dth 0.000 %



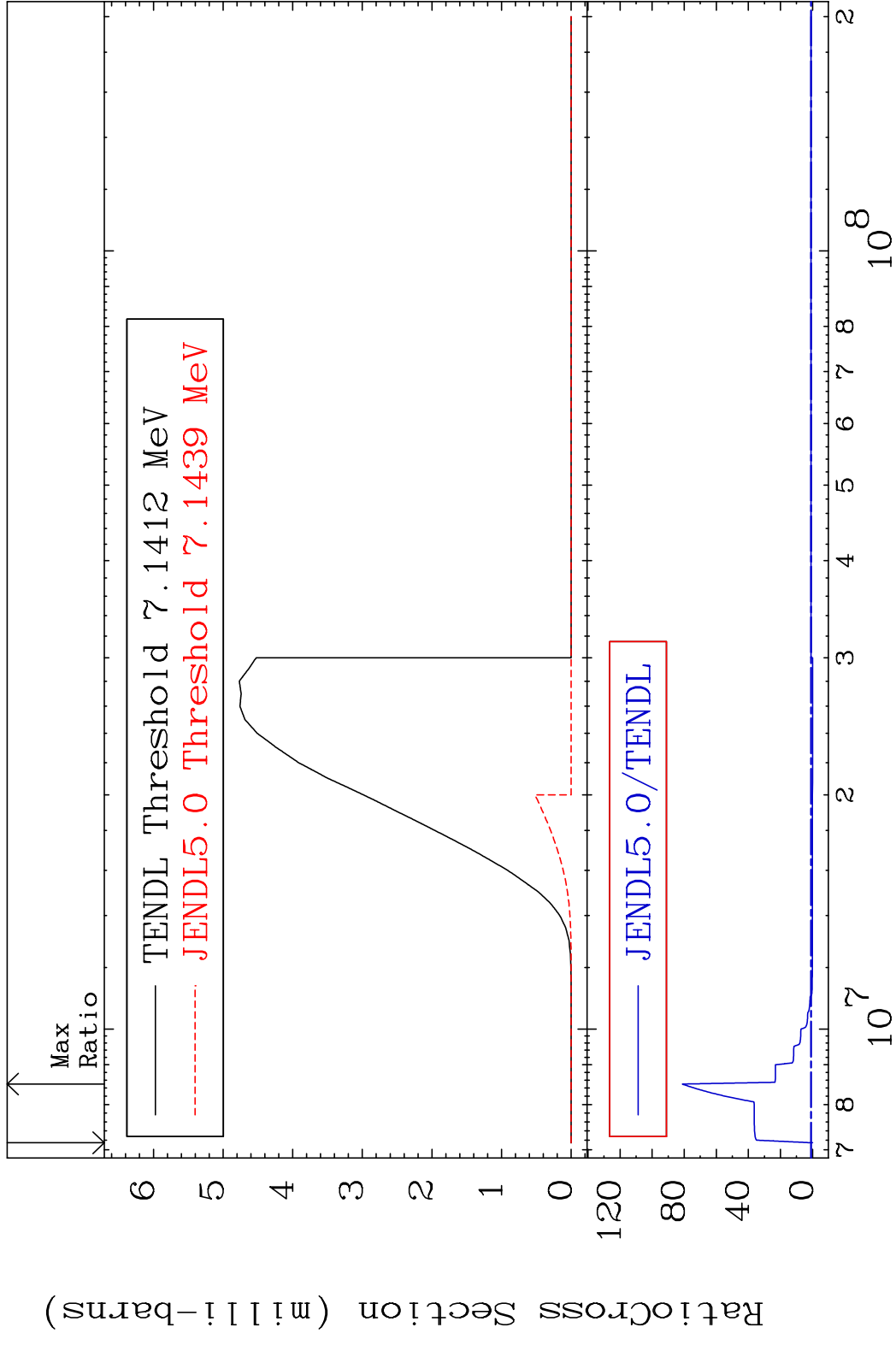
MAT 4028 (n,d):39-Y -90g 40-Zr-91
 Radionuclide Production Cross Section Ratio 9999. %



MAT 4028 (n,d):39-Y -90m2 40-Zr-91
 Radionuclide Production Cross Section 180.0 mb 127.0 %



MAT 4028 (n, t):39-Y -89g 40-Zr-91
 Radionuclide Production Cross Section 1800 to 8015. %



MAT 4028 (n, t):39-Y -89m1 40-Zr-91
 Radionuclide Production Cross Section Ratio 0.000 %

