

Program Complot
(Version 2021-1)

by

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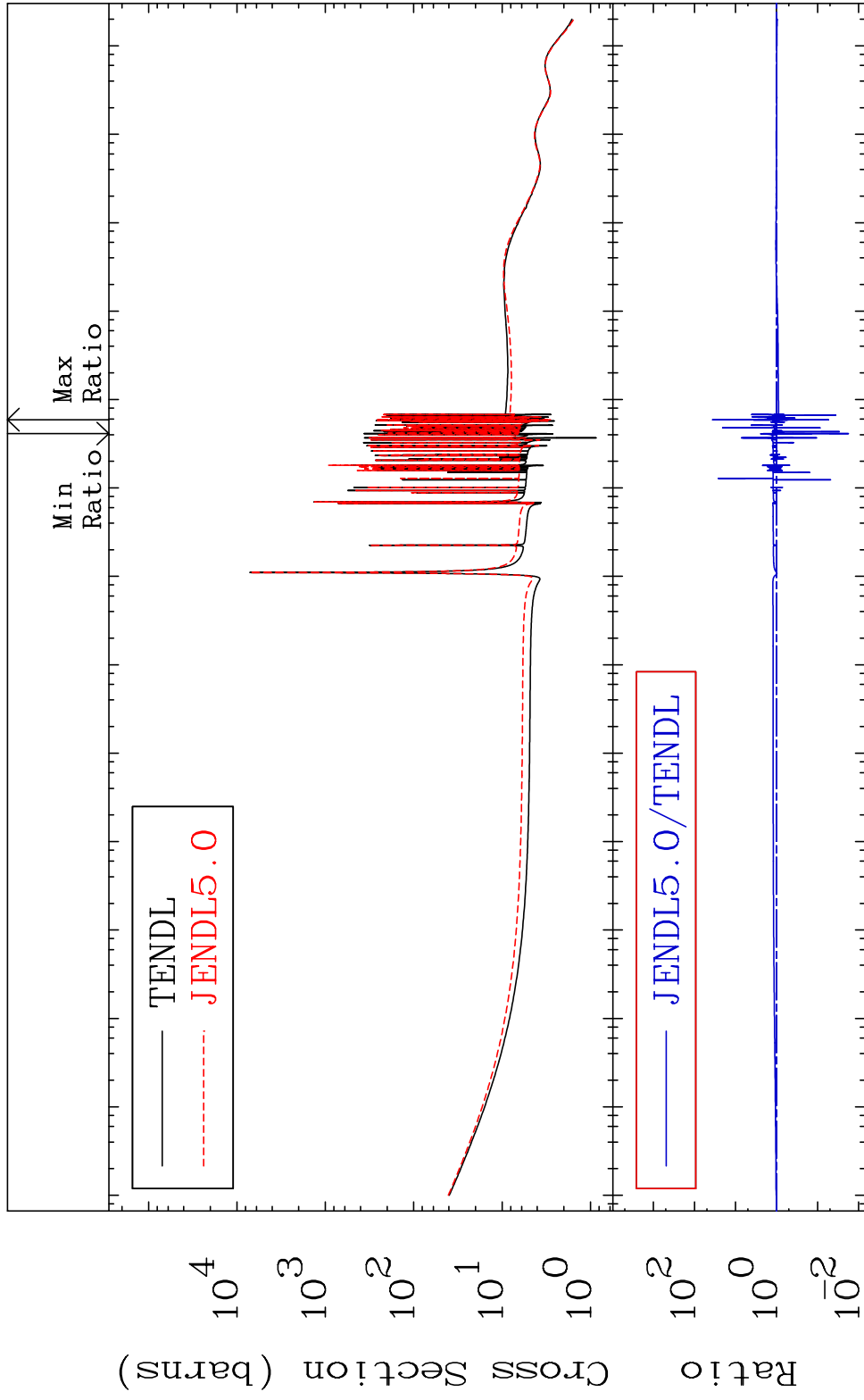
Press Mouse Button to Start

MAT 4034

Total

40-Zr-93

Cross Section -98.21 To 3565. %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

1

Incident Energy (eV)

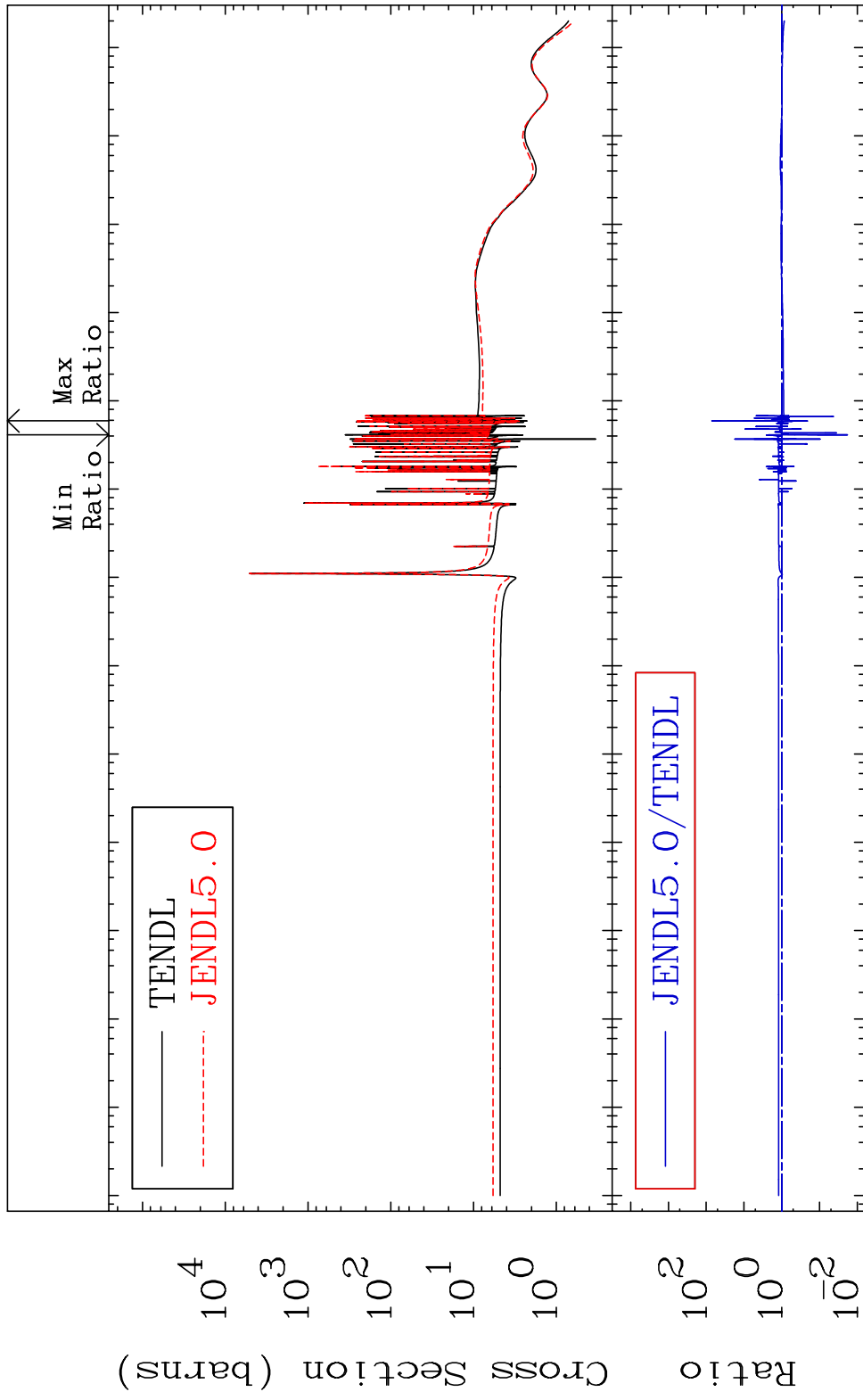
40-Zr-93

MAT 4034

Elastic

40-Zr-93

Cross Section -98.16 To 7123. %

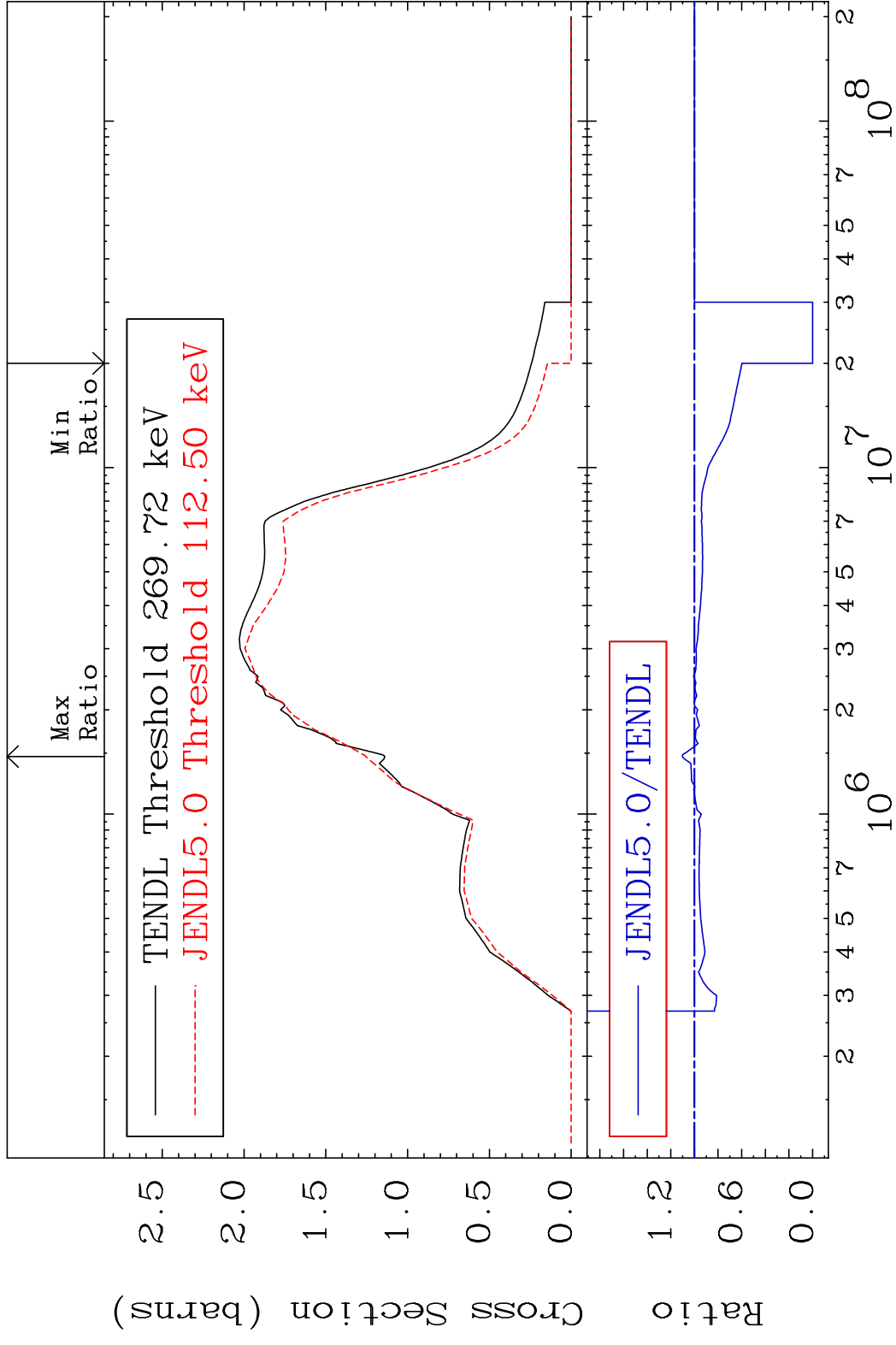


2

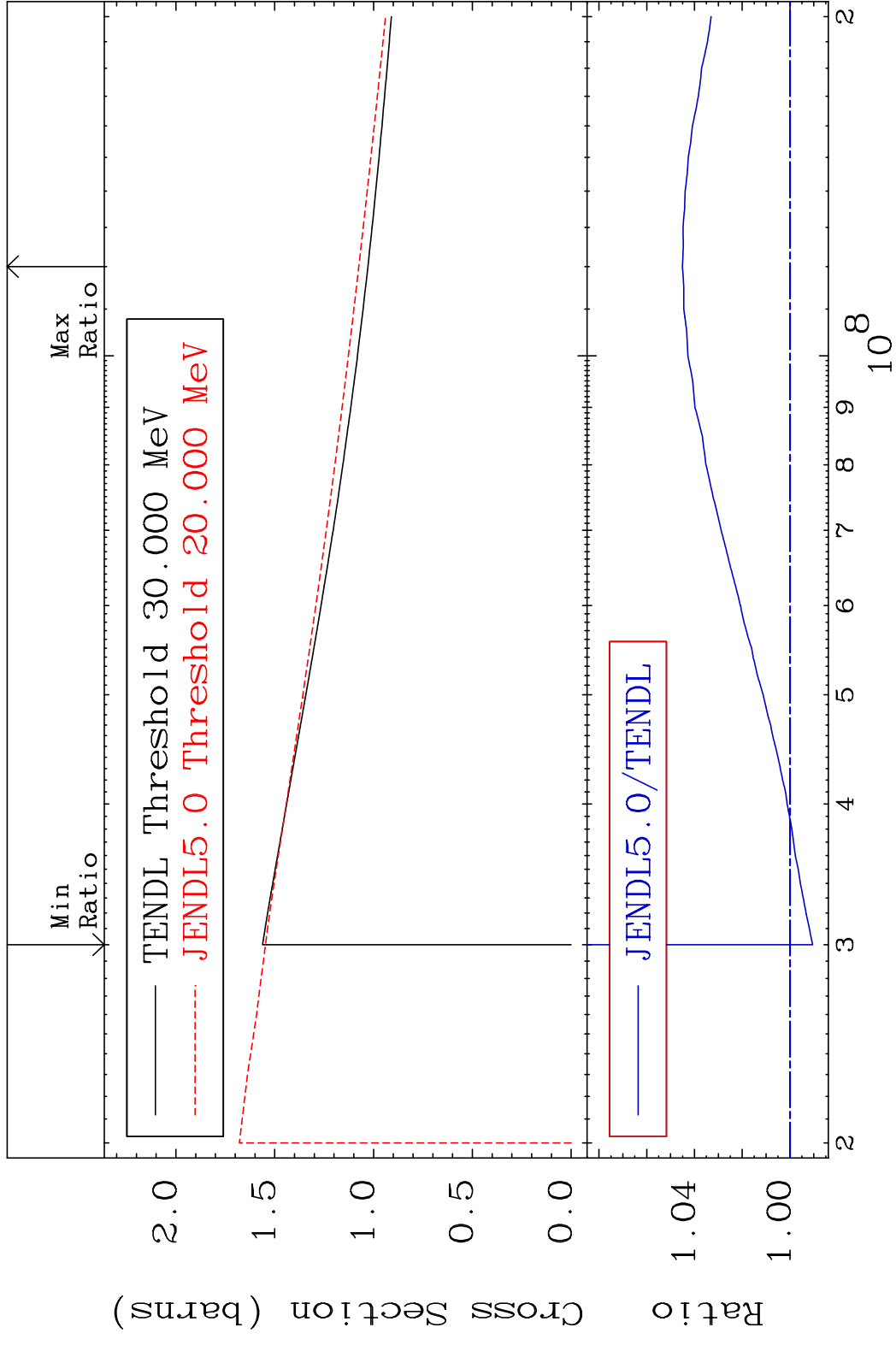
Incident Energy (eV)

40-Zr-93

MAT 4034 Inelastic Cross Section -100.0 To 10.21 % 40-Zr-93

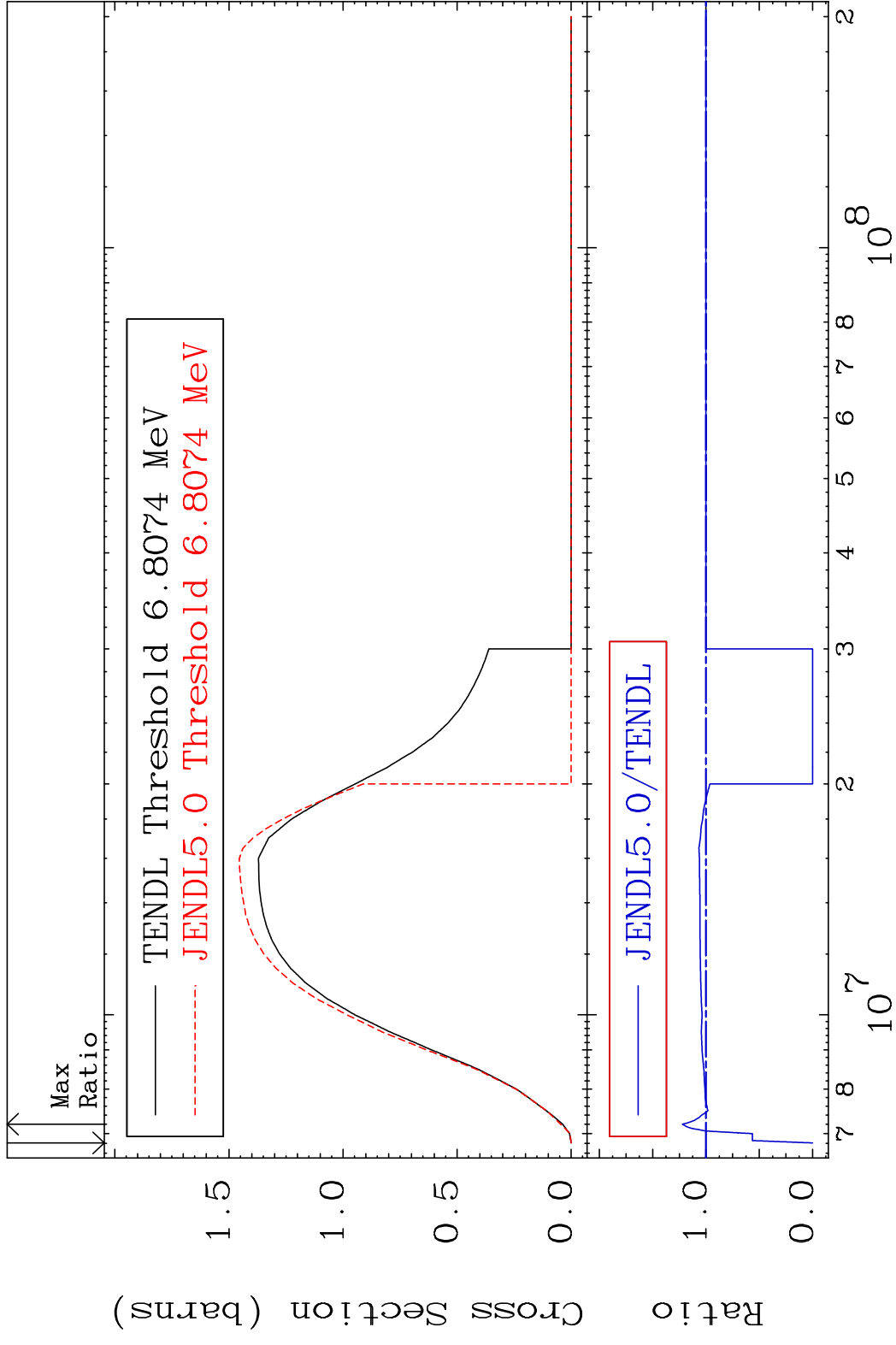


MAT 4034 (n, remainder) 40-Zr-93
 Cross Section -0.947 To 4.508 %



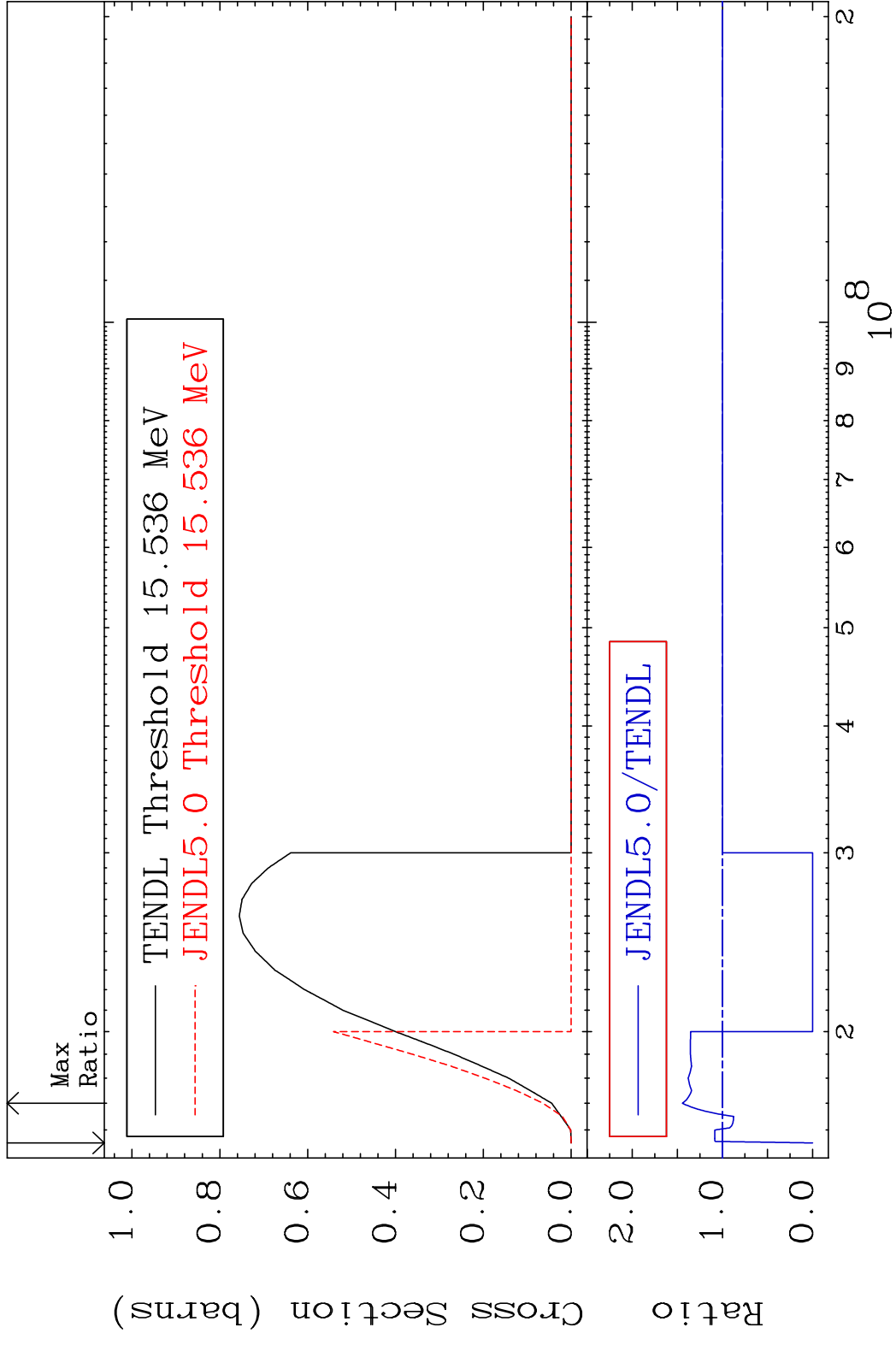
4 Incident Energy (eV) 40-Zr-93

MAT 4034 (n,2n) 40-Zr-93
 Cross Section -100.0 To 22.15 %

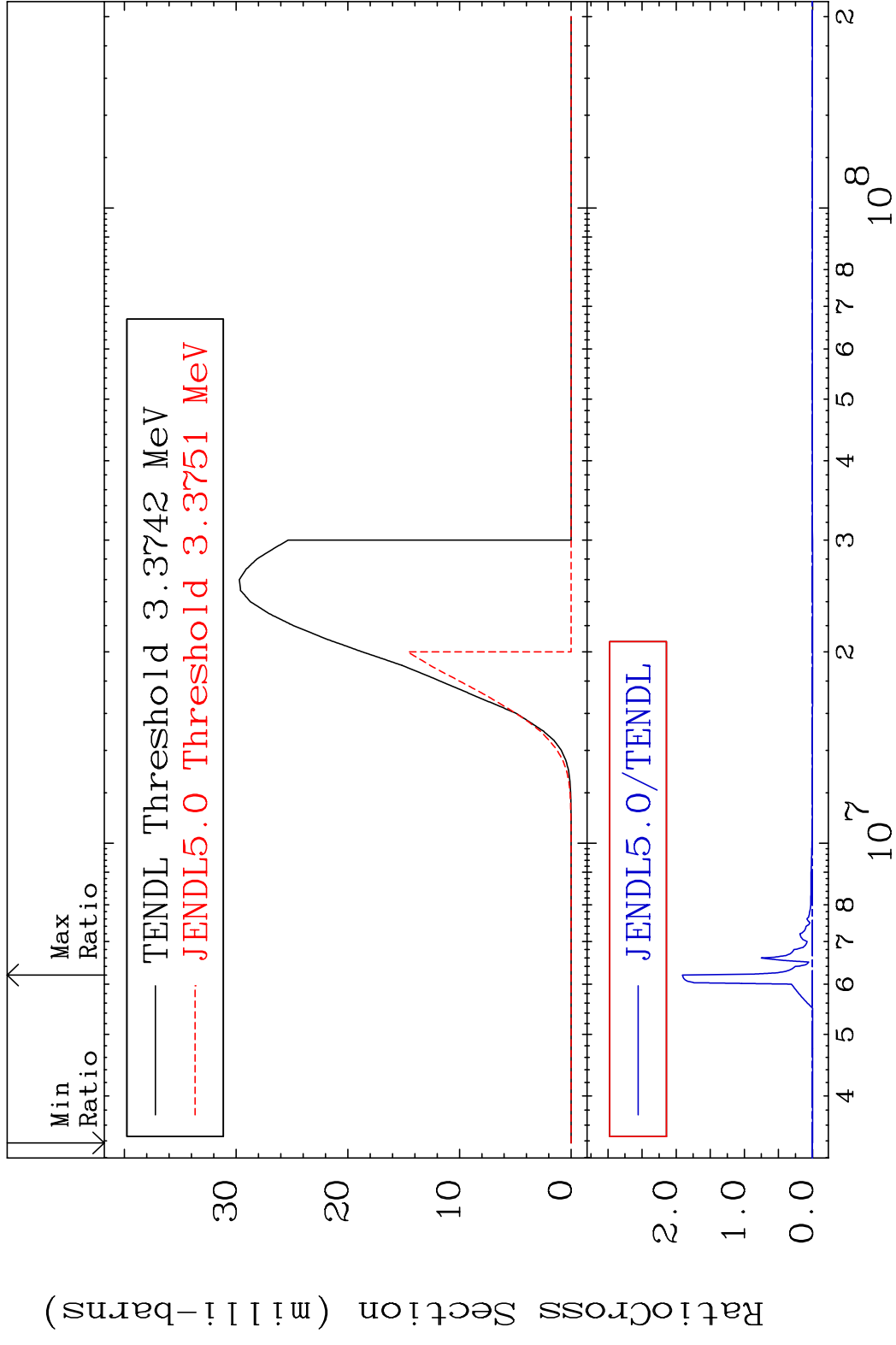


5 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 40-Zr-93

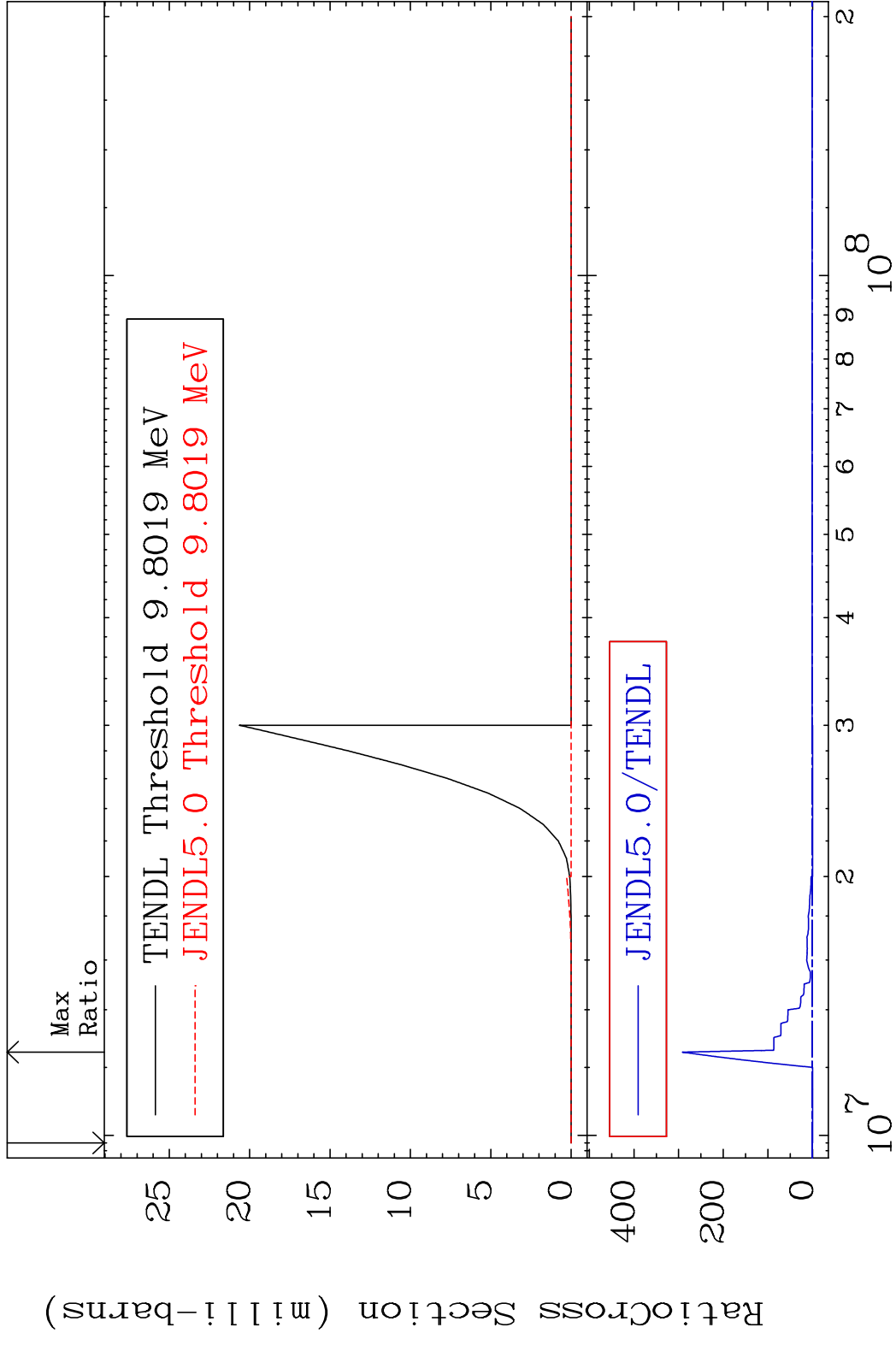
MAT 4034 (n,3n) 40-Zr-93
 Cross Section -100.0 To 44.44 %



MAT 4034 (n, n') α 40-Zr-93
 Cross Section -100.0 To 9999. %



MAT 4034 (n,2n) α 40-Zr-93
 Cross Section -100.0 To 9999. %

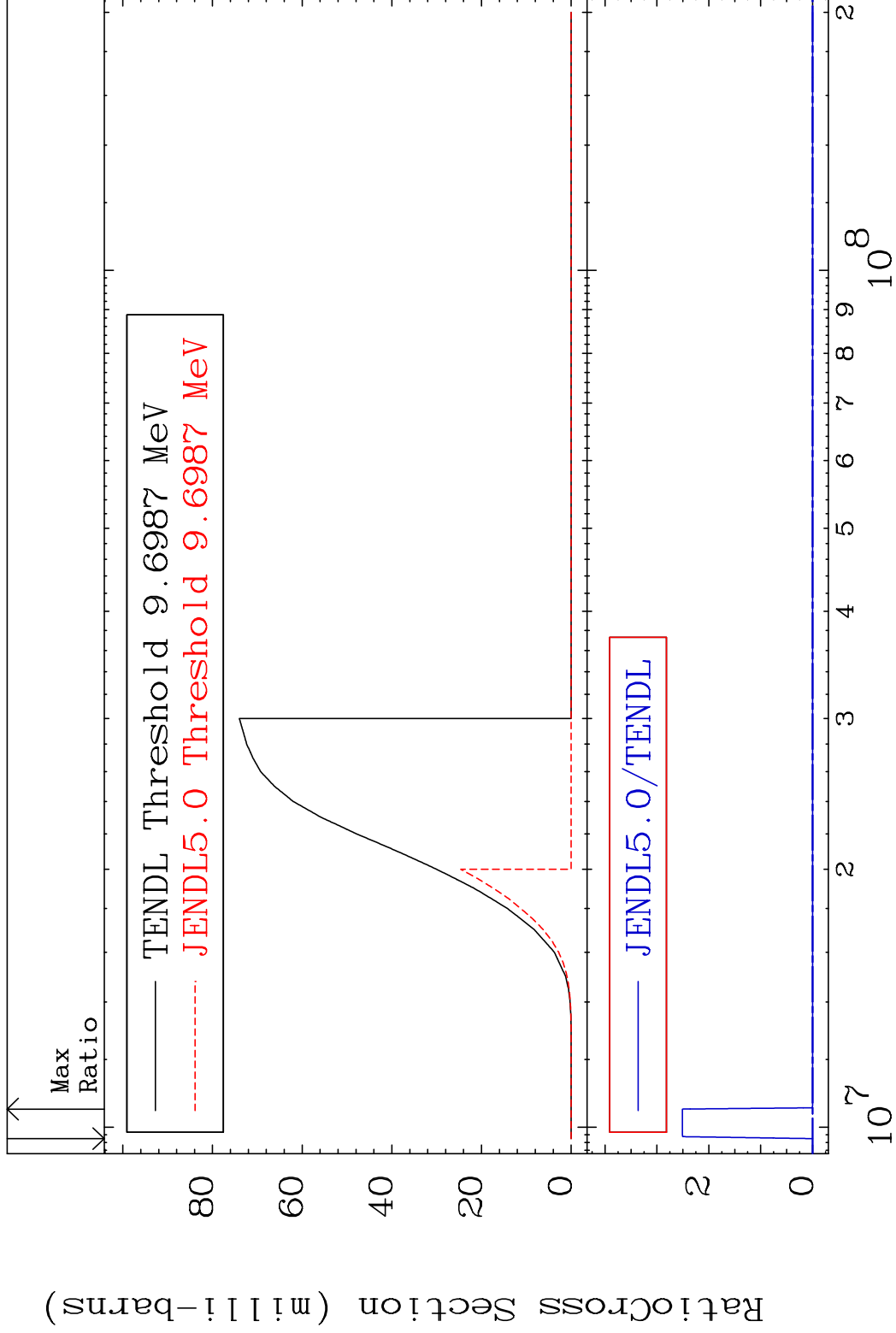


MAT 4034

(n, n') p

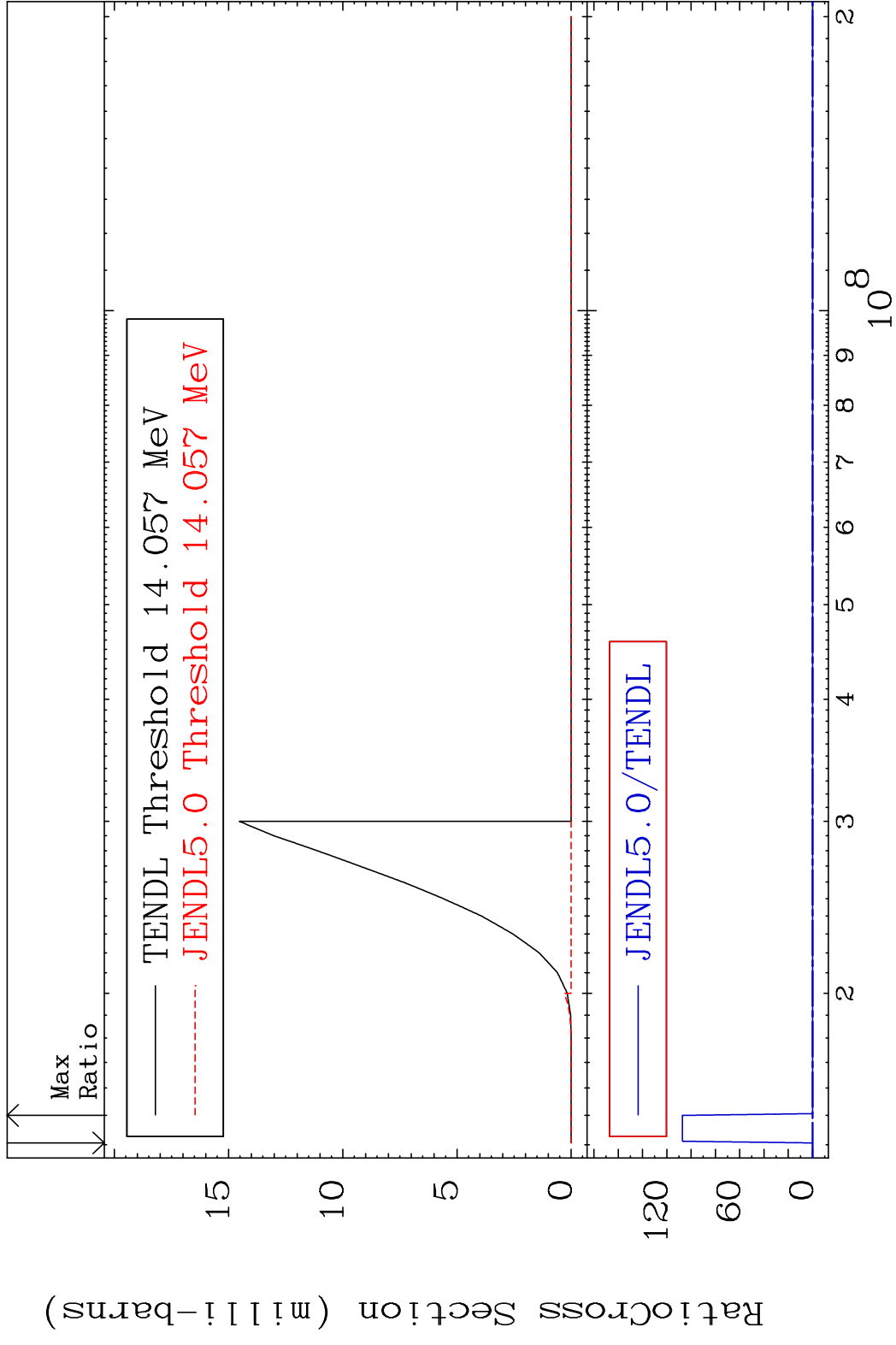
40-Zr-93

Cross Section -100.0 To 9999. %



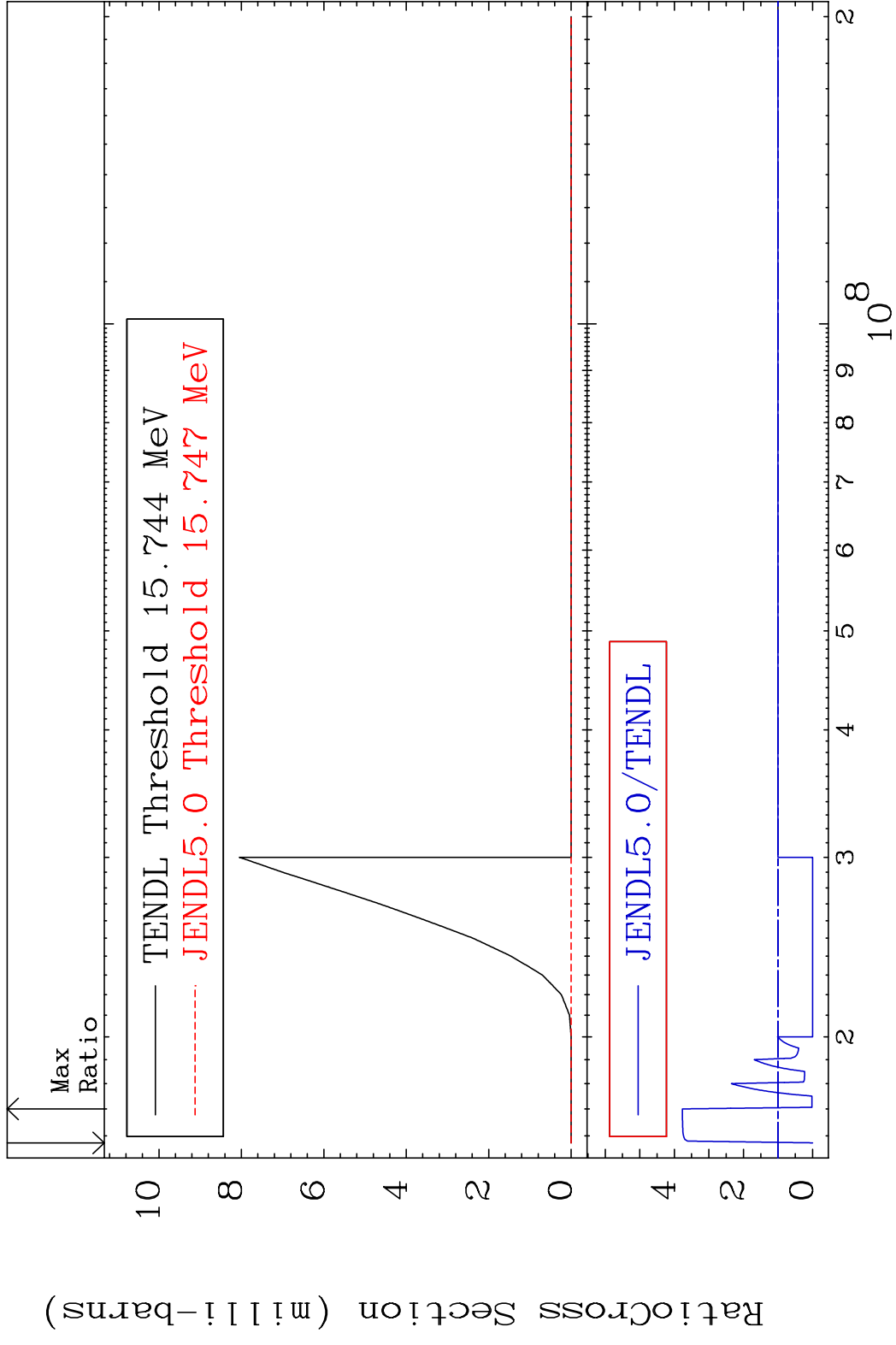
40-Zr-93

MAT 4034 (n, n') d 40-Zr-93
 Cross Section -100.0 To 9999. %

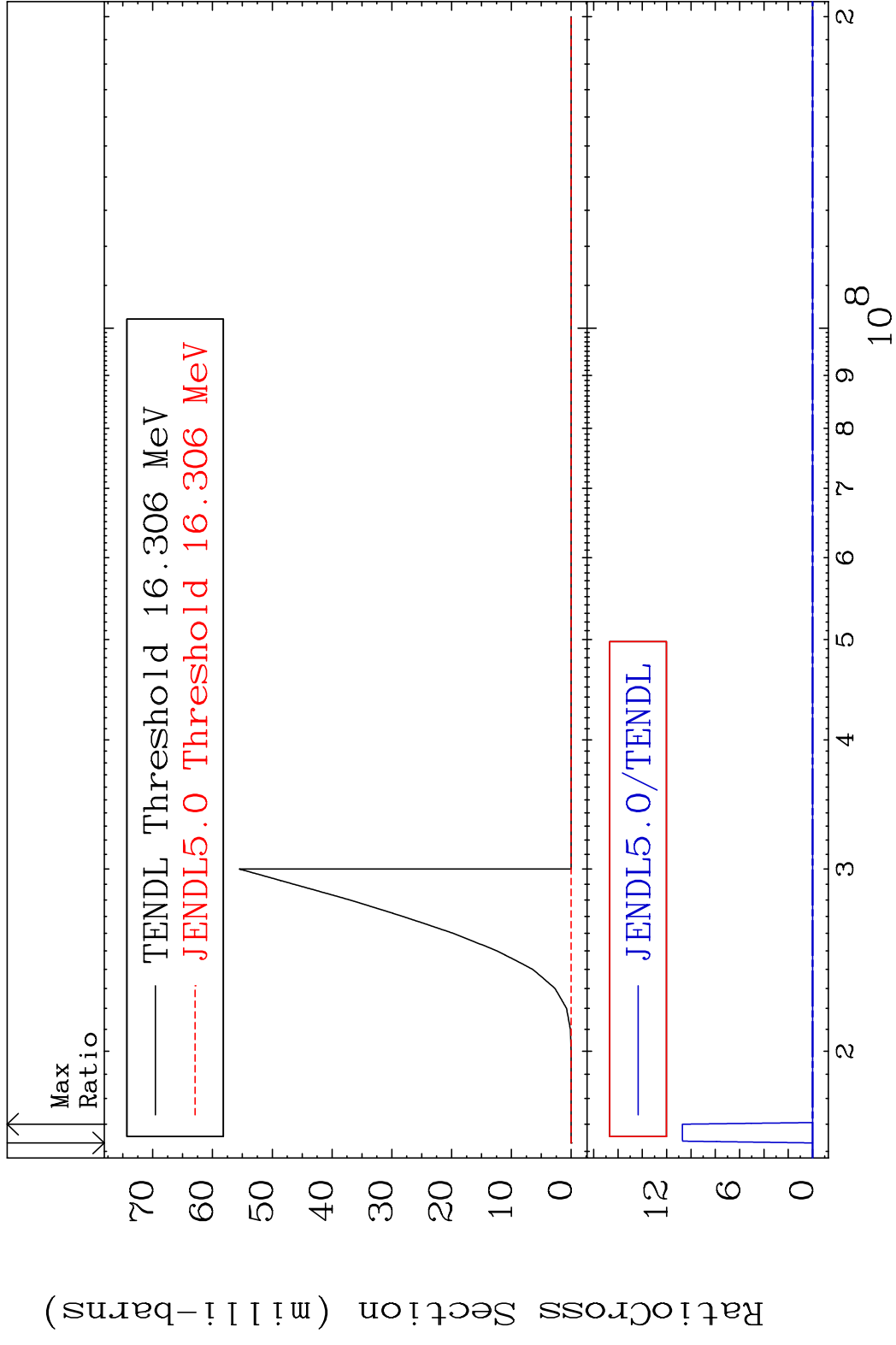


10 Incident Energy (eV) 40-Zr-93

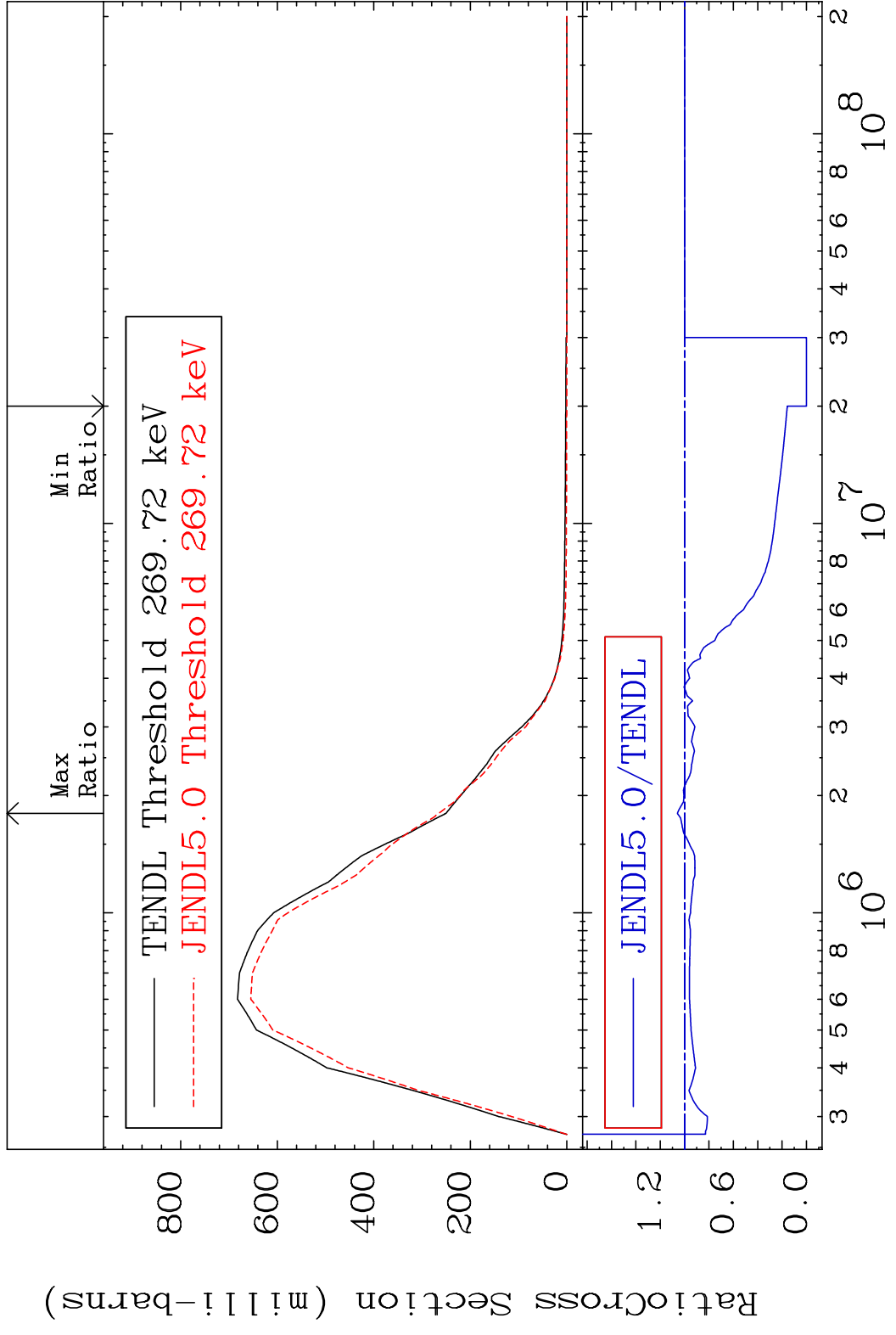
MAT 4034 (n, n') t 40-Zr-93
 Cross Section -100.0 To 276.8 %



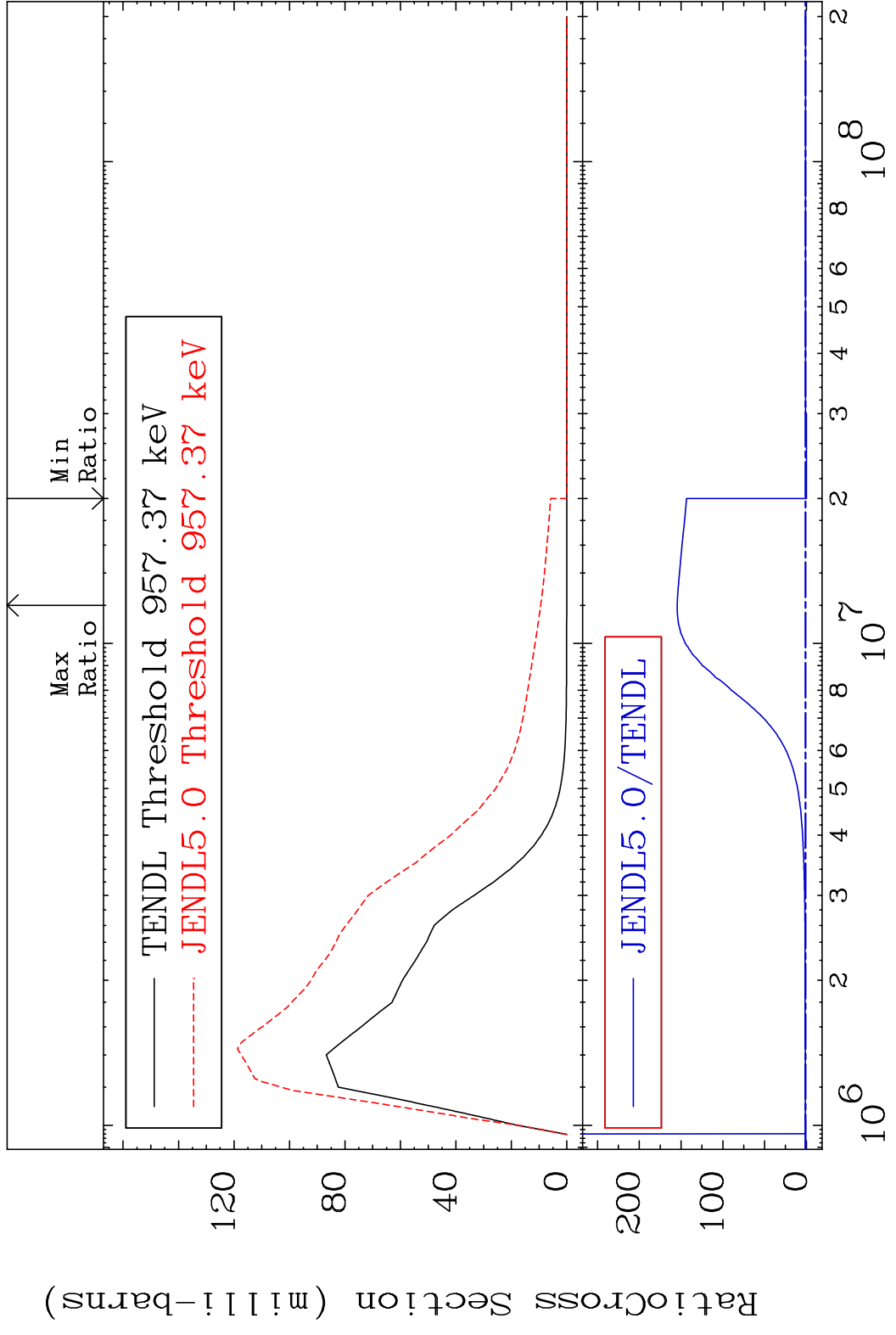
MAT 4034 (n,2n) p 40-Zr-93
 Cross Section -100.0 To 9999. %



MAT 4034 MT= 51 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 6.095 %

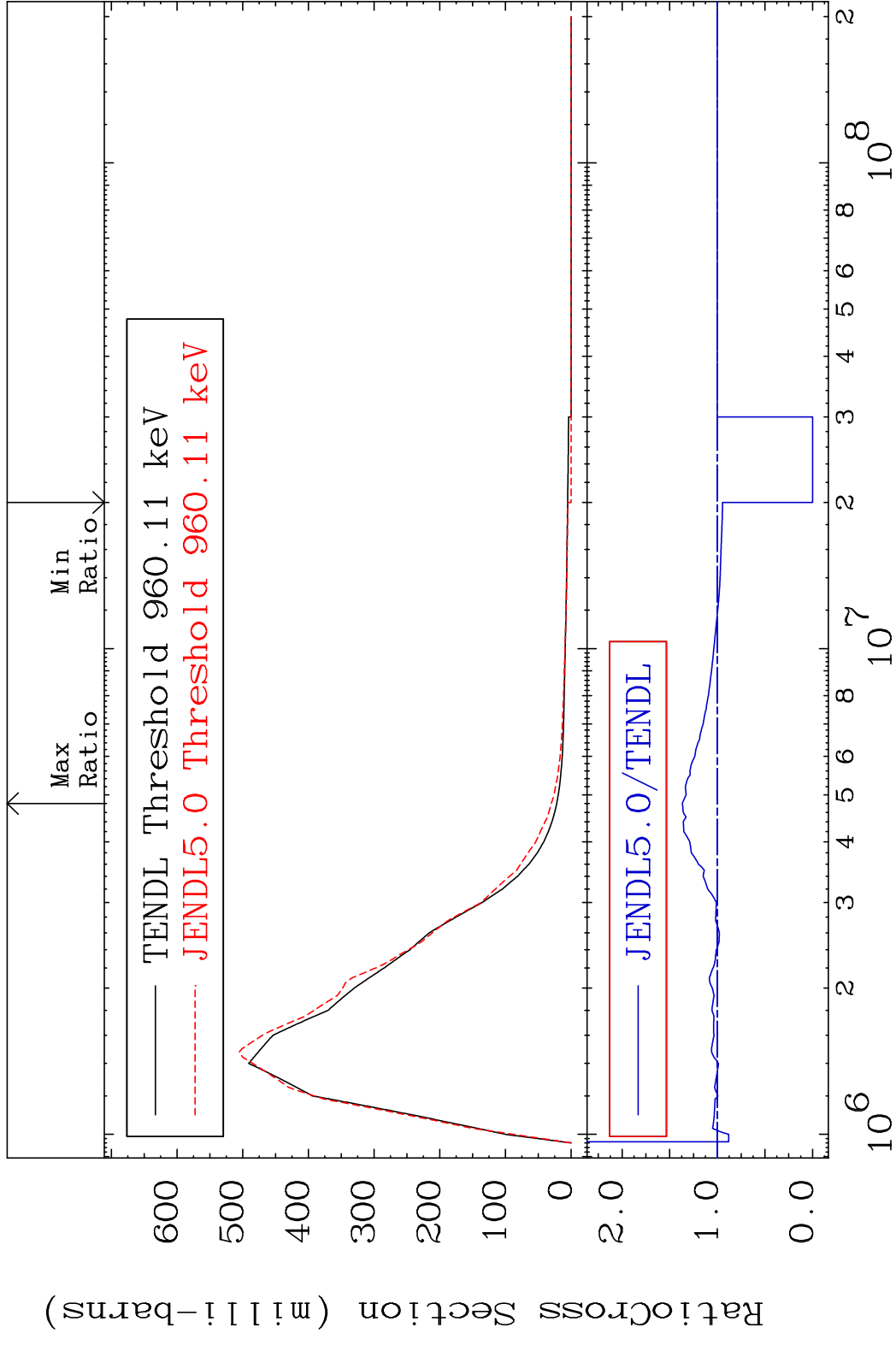


MAT 4034 MT= 52 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 9999. %



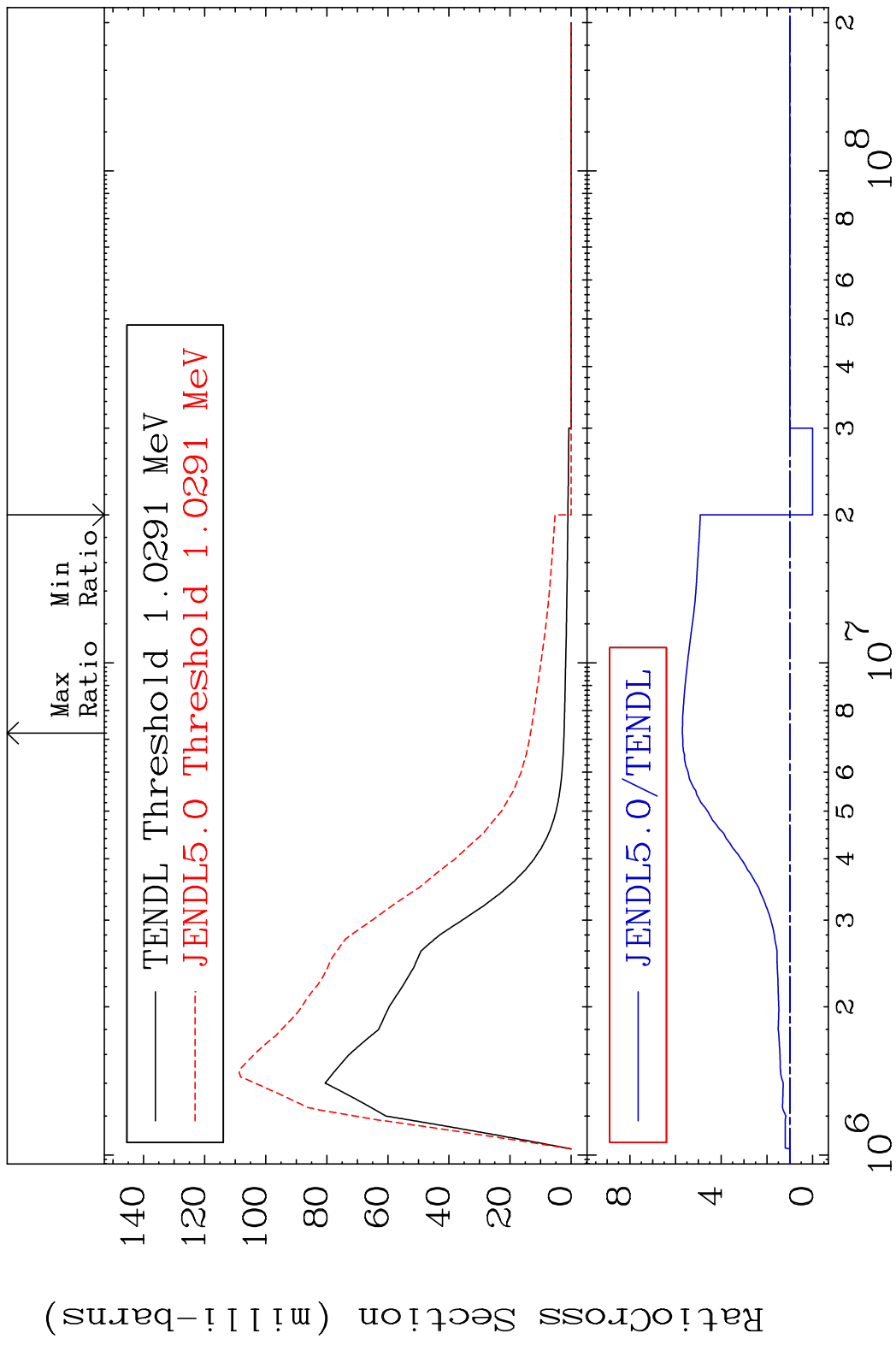
14

MAT 4034 MT= 53 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 36.74 %

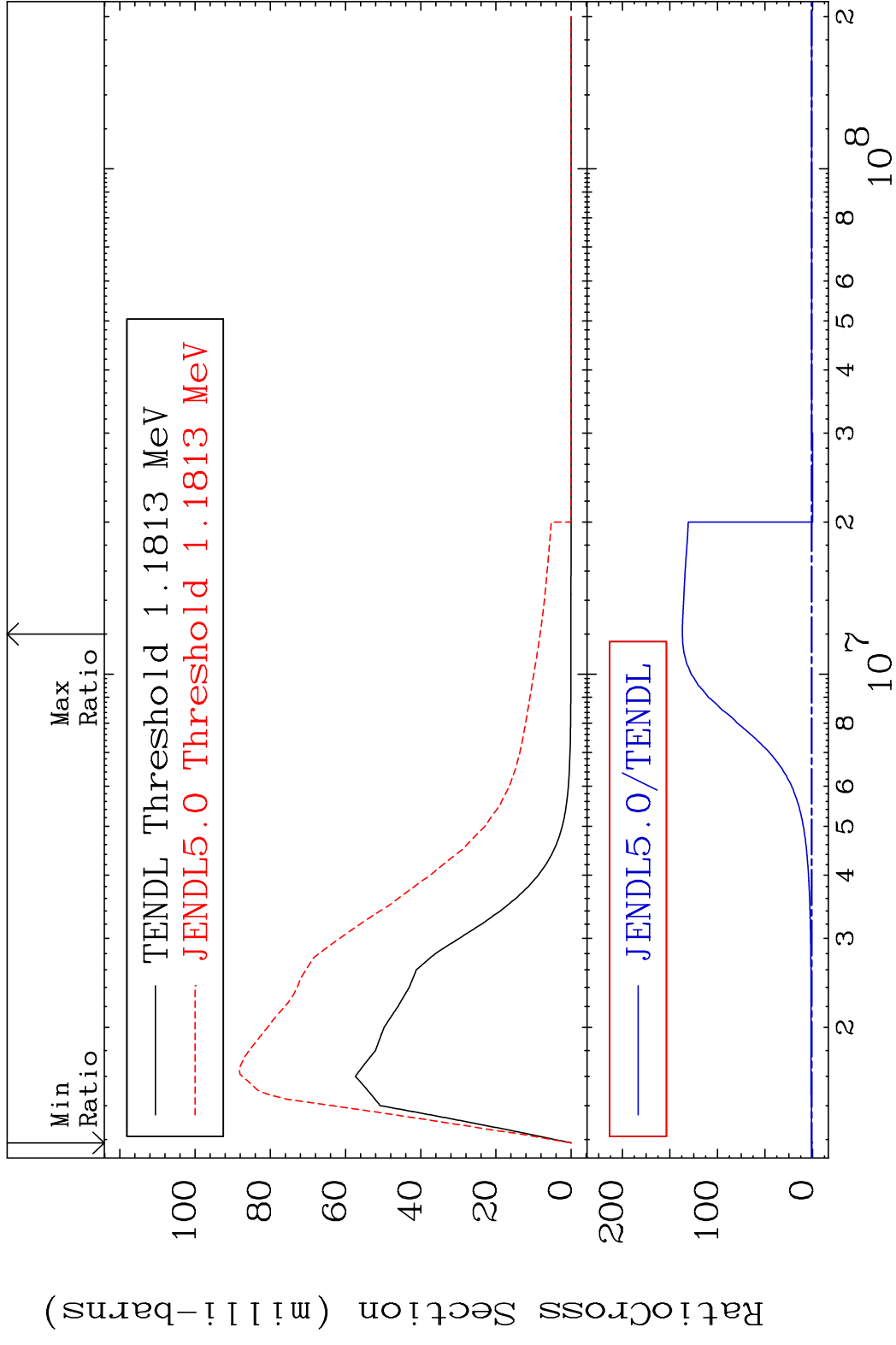


15 Incident Energy (eV) 40-Zr-93

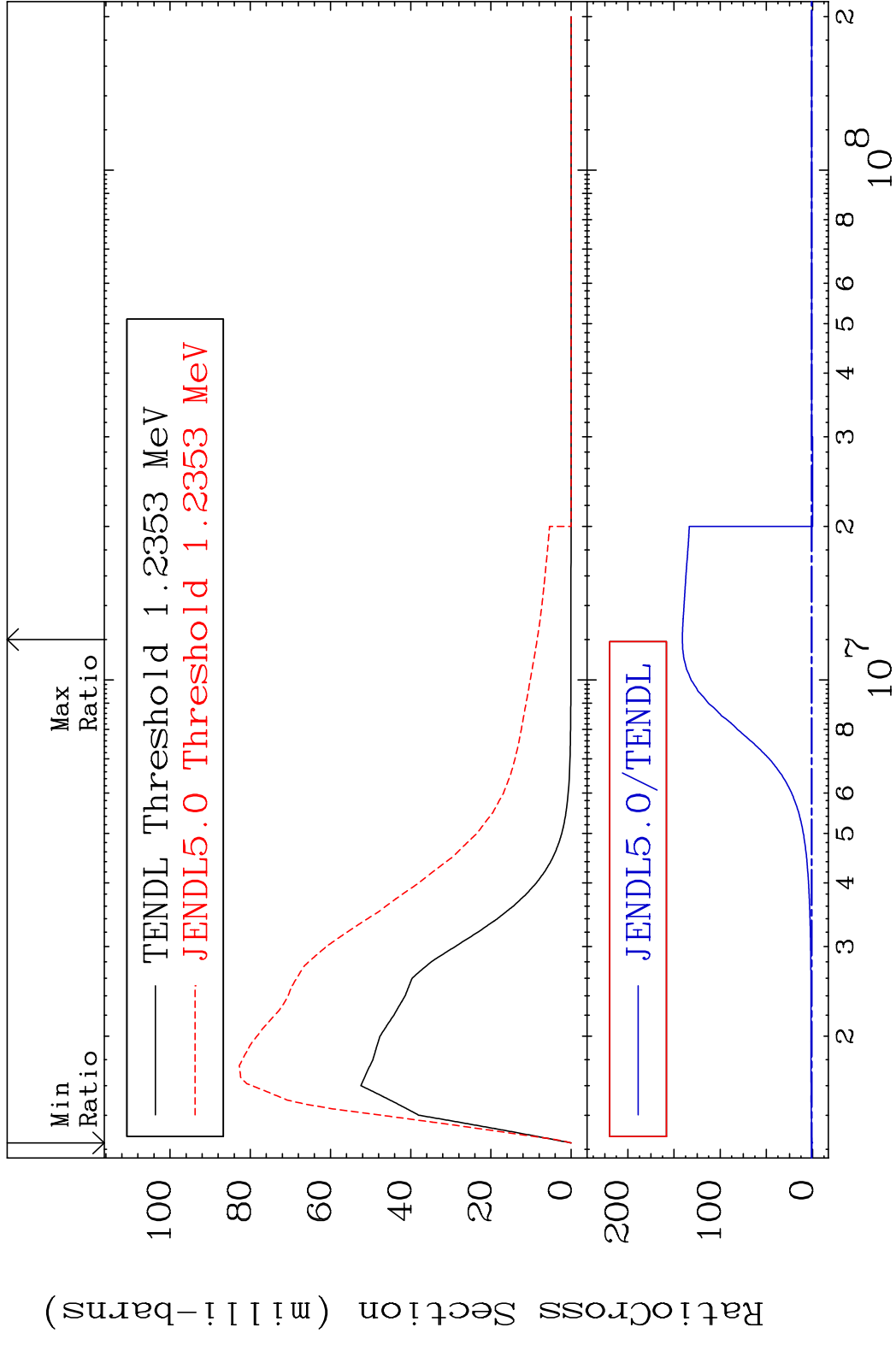
MAT 4034 MT= 54 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 470.3 %



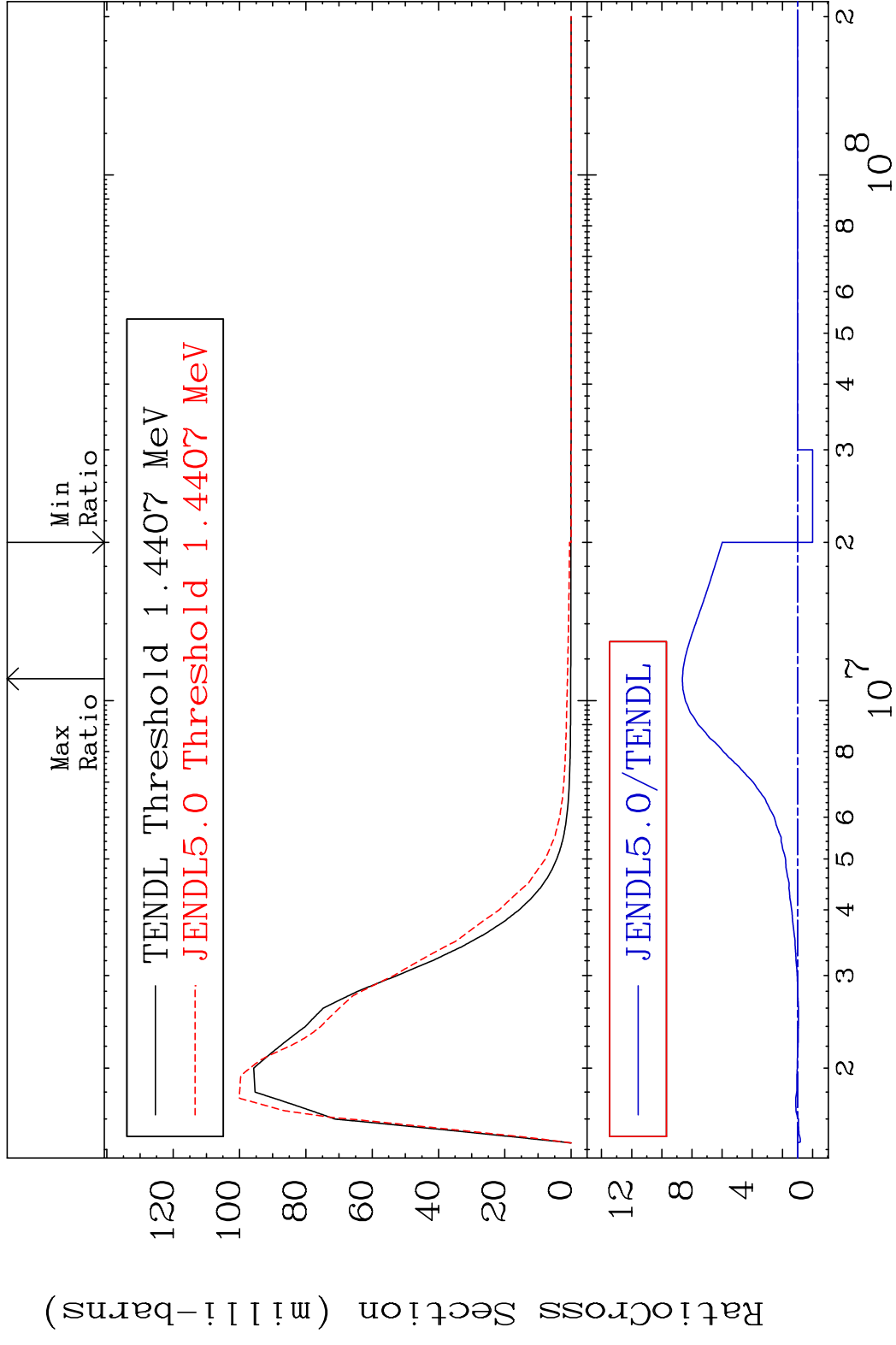
MAT 4034 MT= 55 (n,n') Level 40-Zr-93
 Cross Section -100.0 To 9999. %



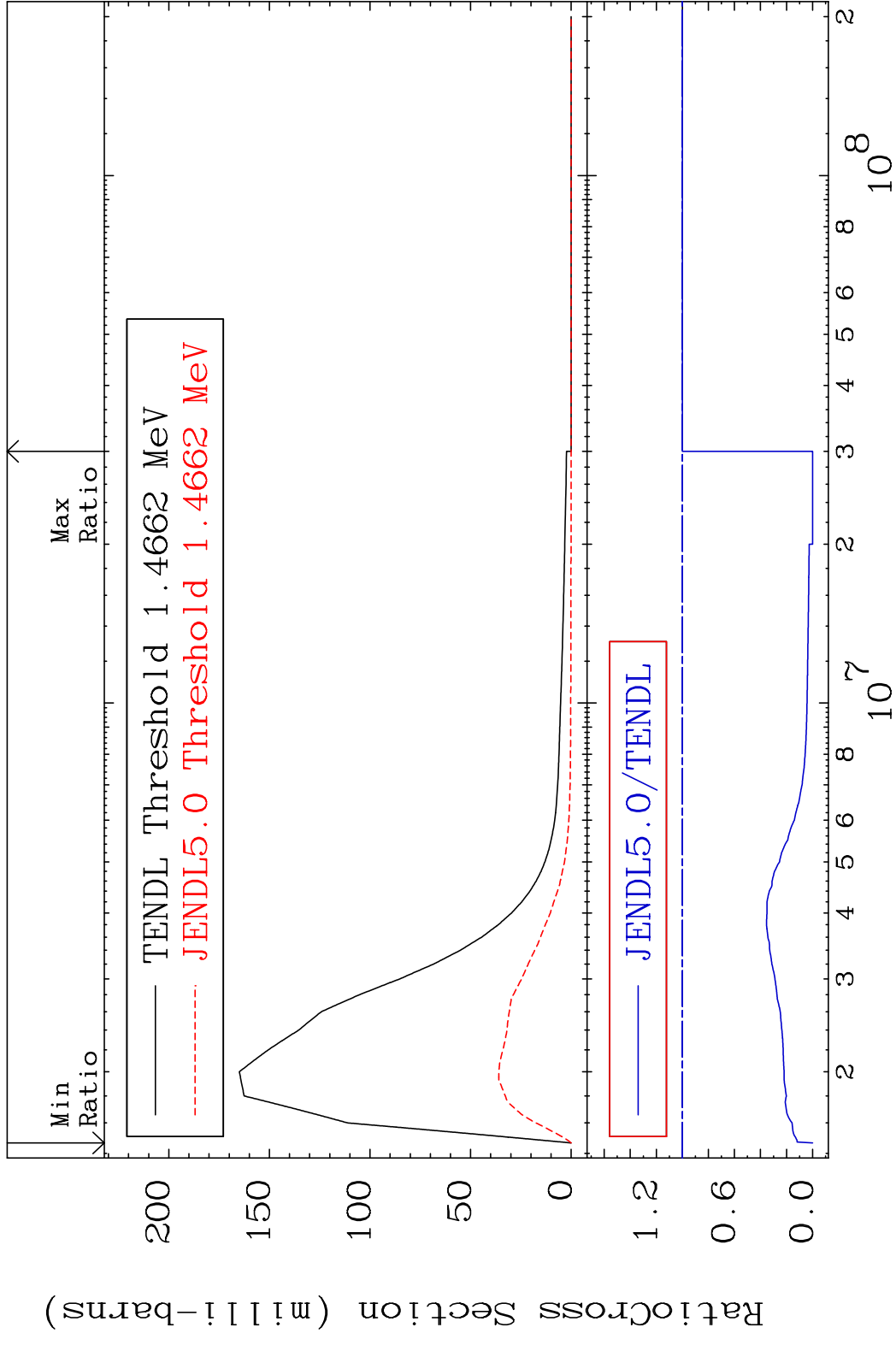
MAT 4034 MT= 56 (n,n') Level 40-Zr-93
 Cross Section -100.0 To 9999. %



MAT 4034 MT= 57 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 763.8 %

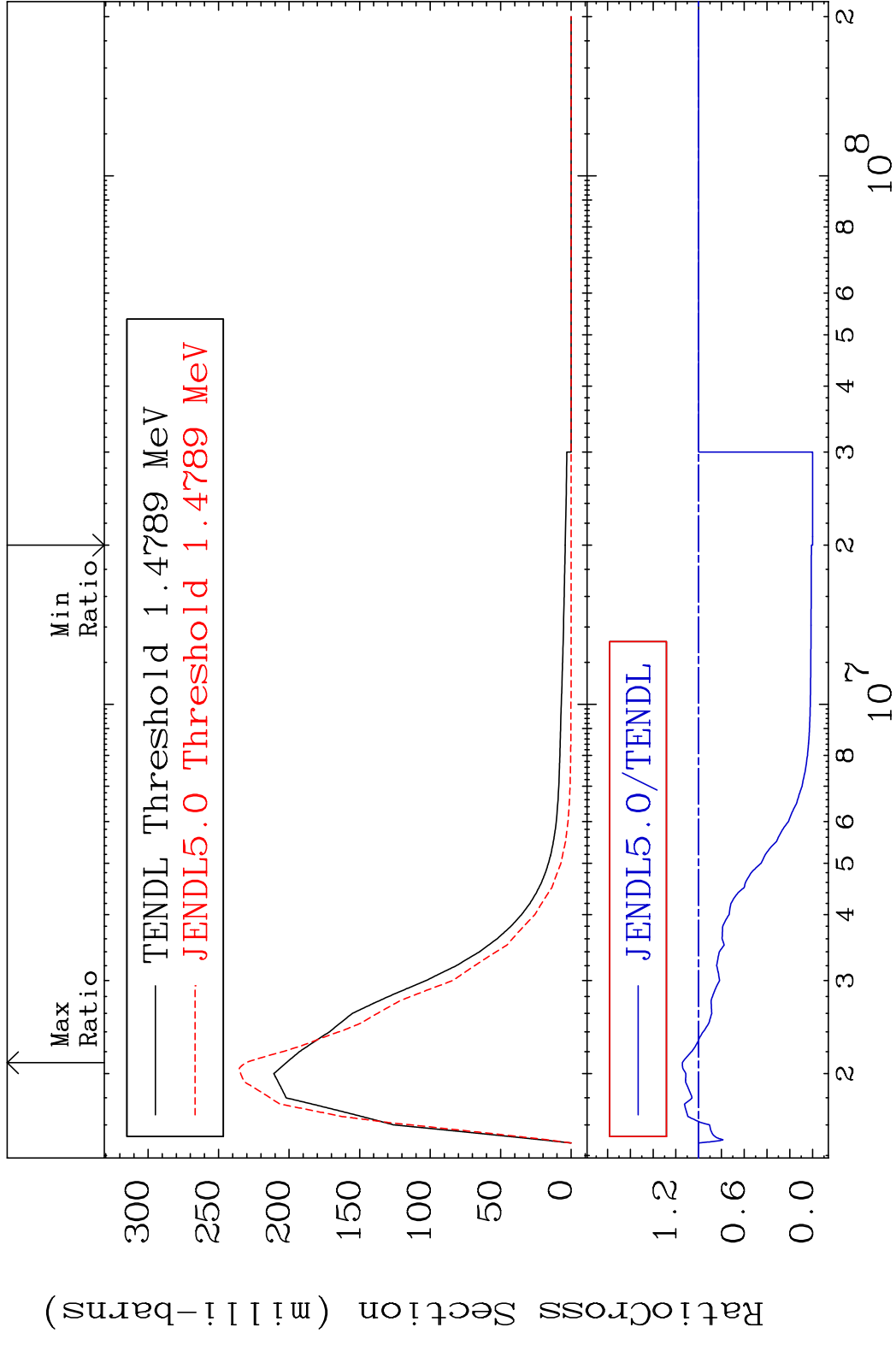


MAT 4034 MT= 58 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 0.000 %

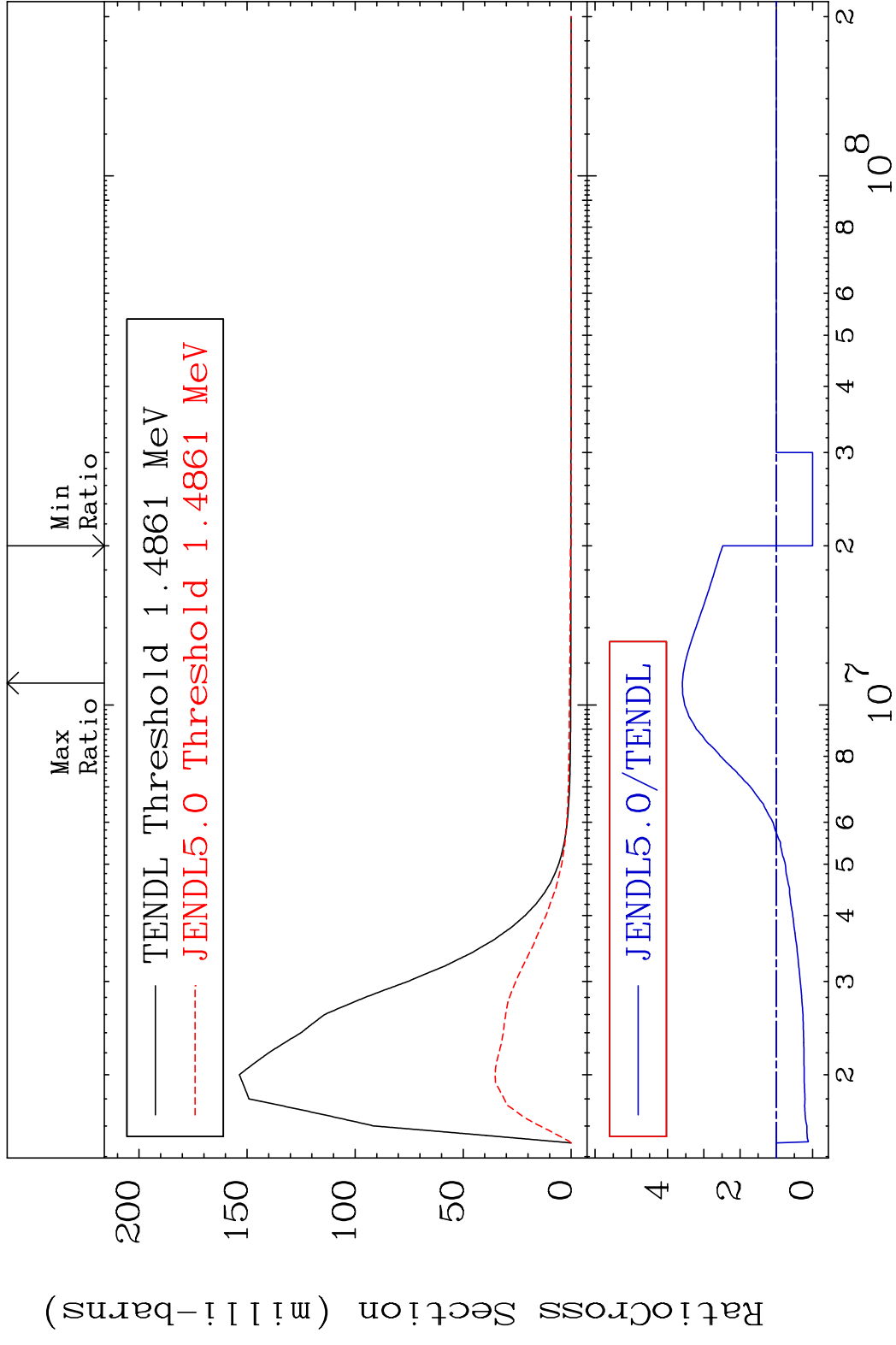


20 Incident Energy (eV) 40-Zr-93

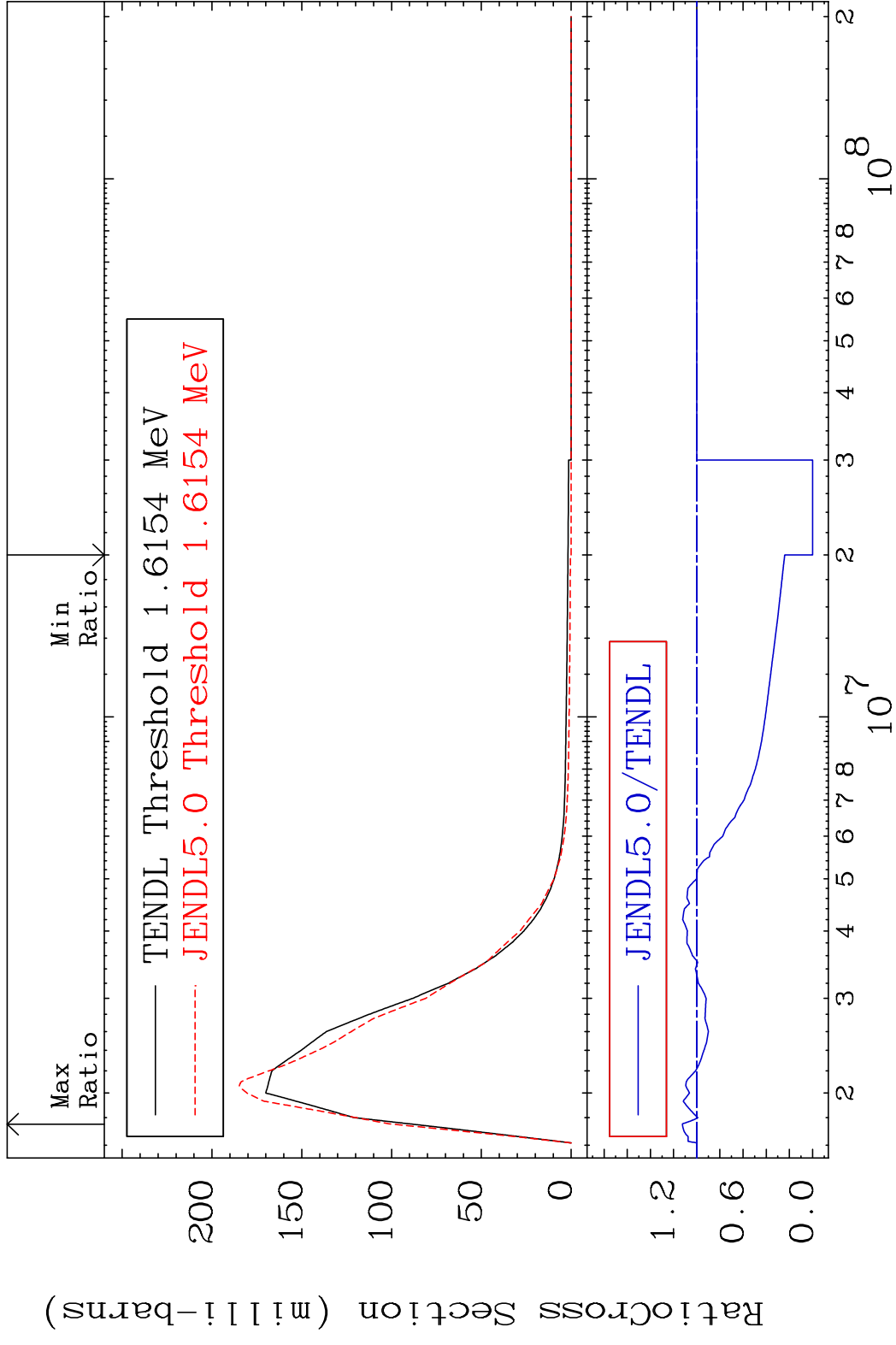
MAT 4034 MT= 59 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 14.32 %



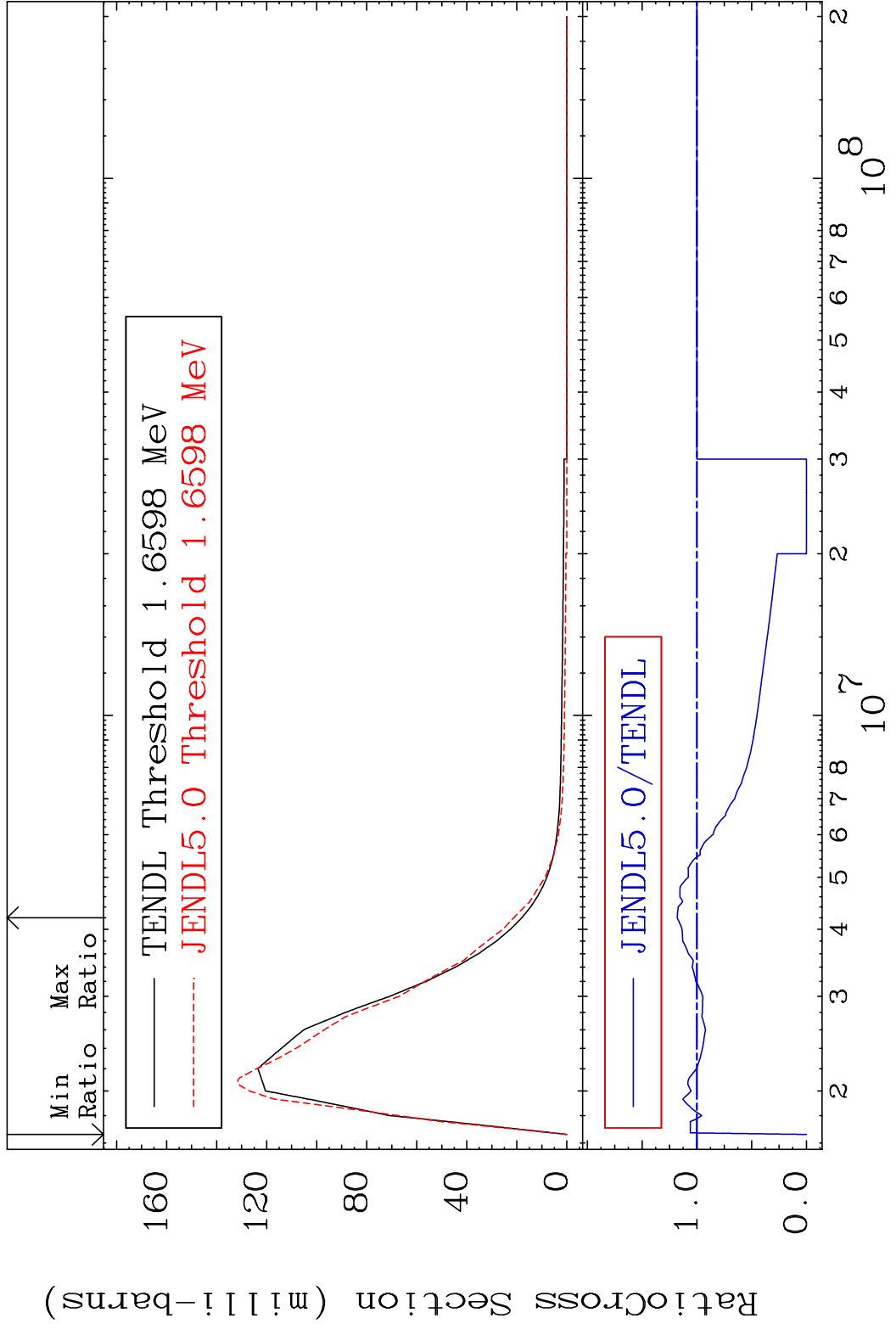
MAT 4034 MT= 60 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 259.3 %



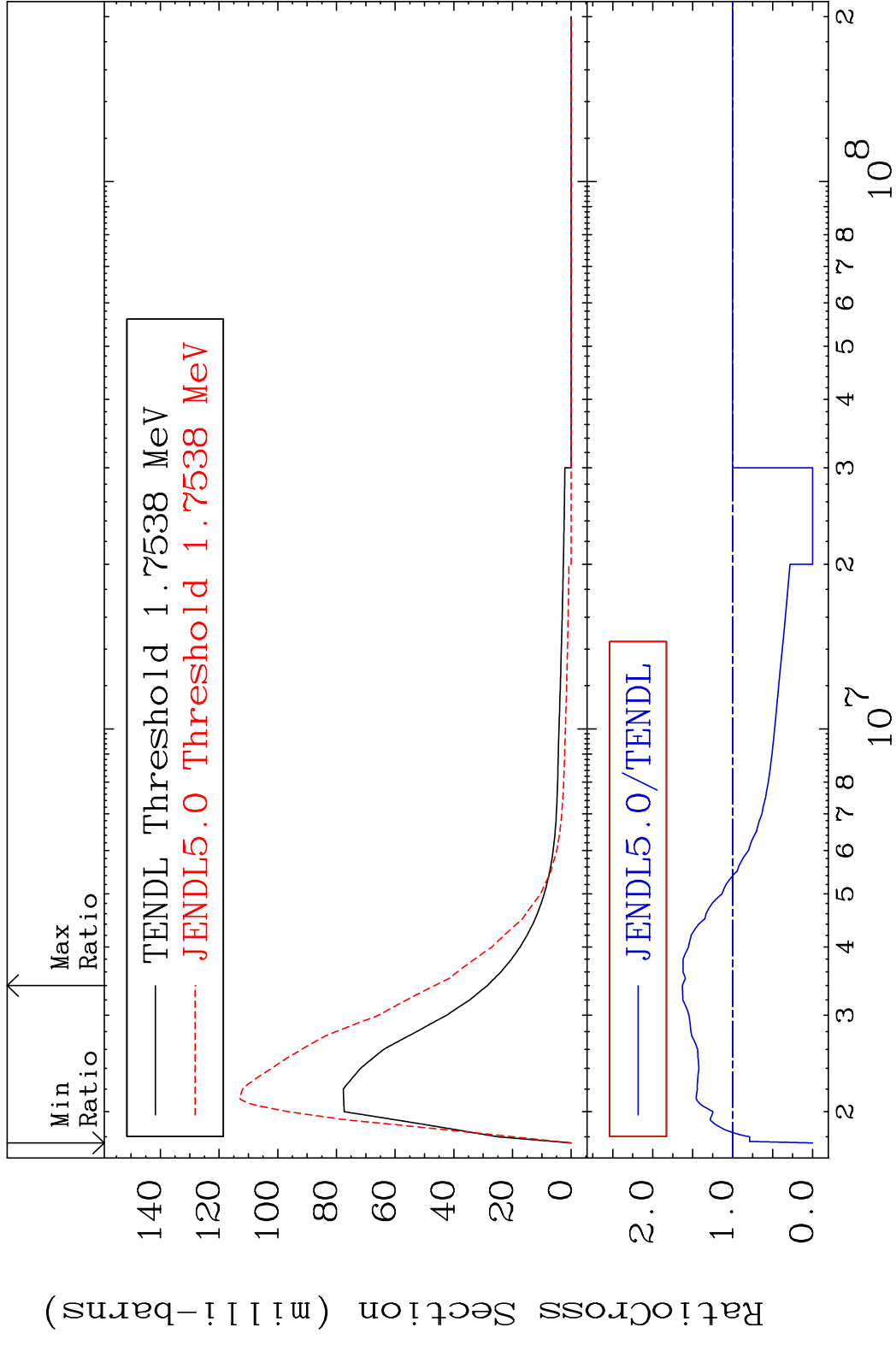
MAT 4034 MT= 61 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 12.41 %



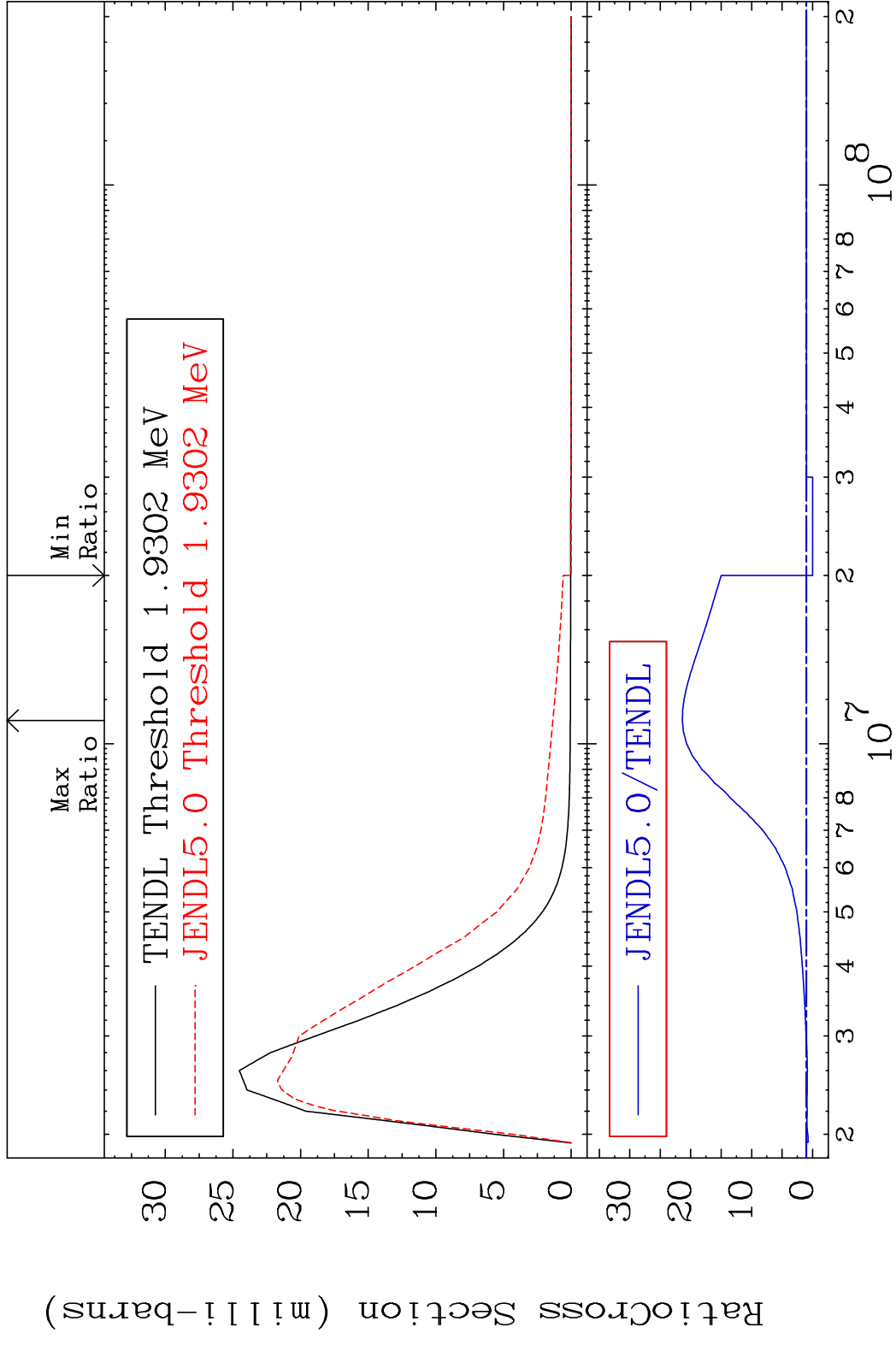
MAT 4034 MT= 62 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 17.99 %



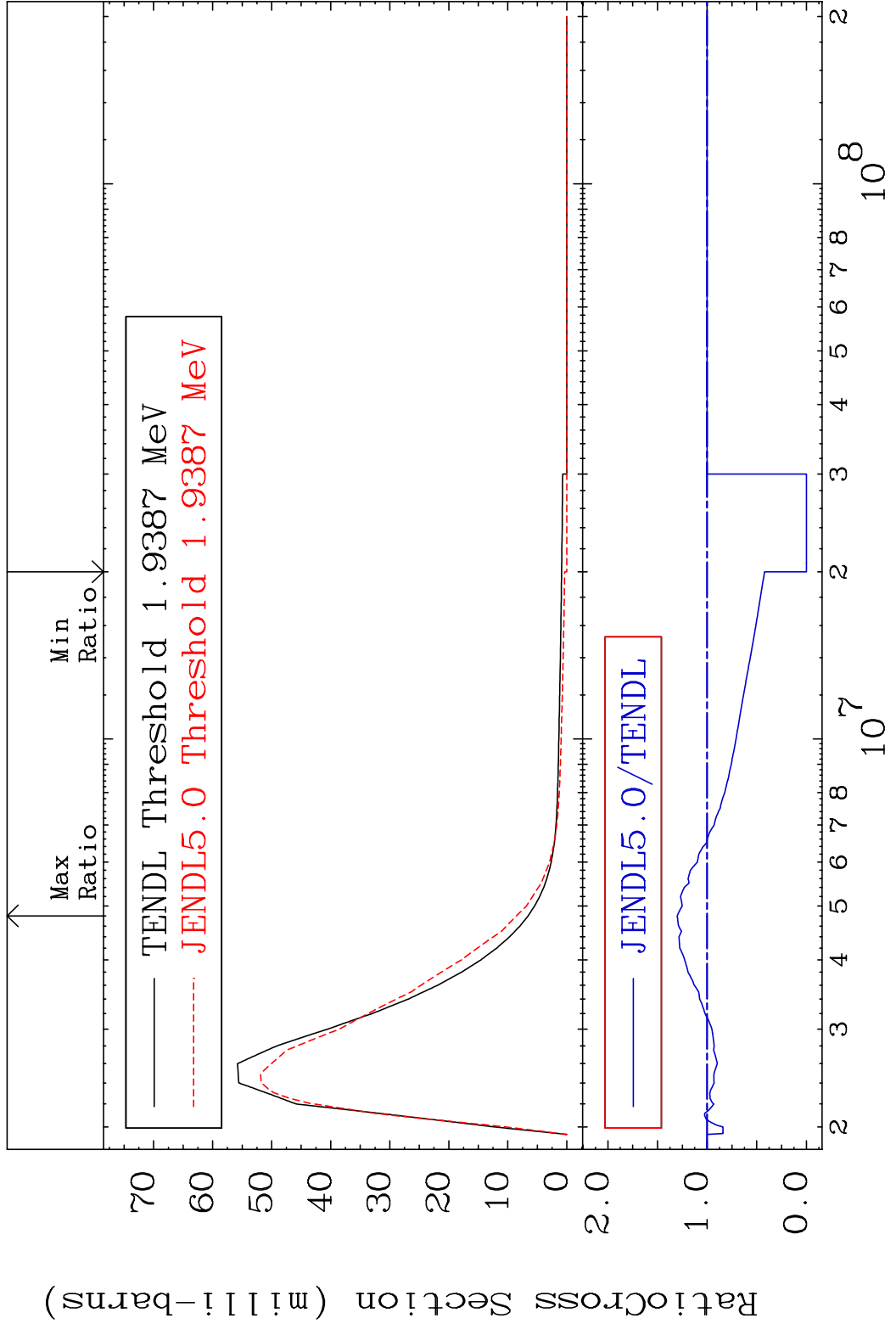
MAT 4034 MT= 63 (n,n') Level 40-Zr-93
 Cross Section -100.0 To 62.94 %



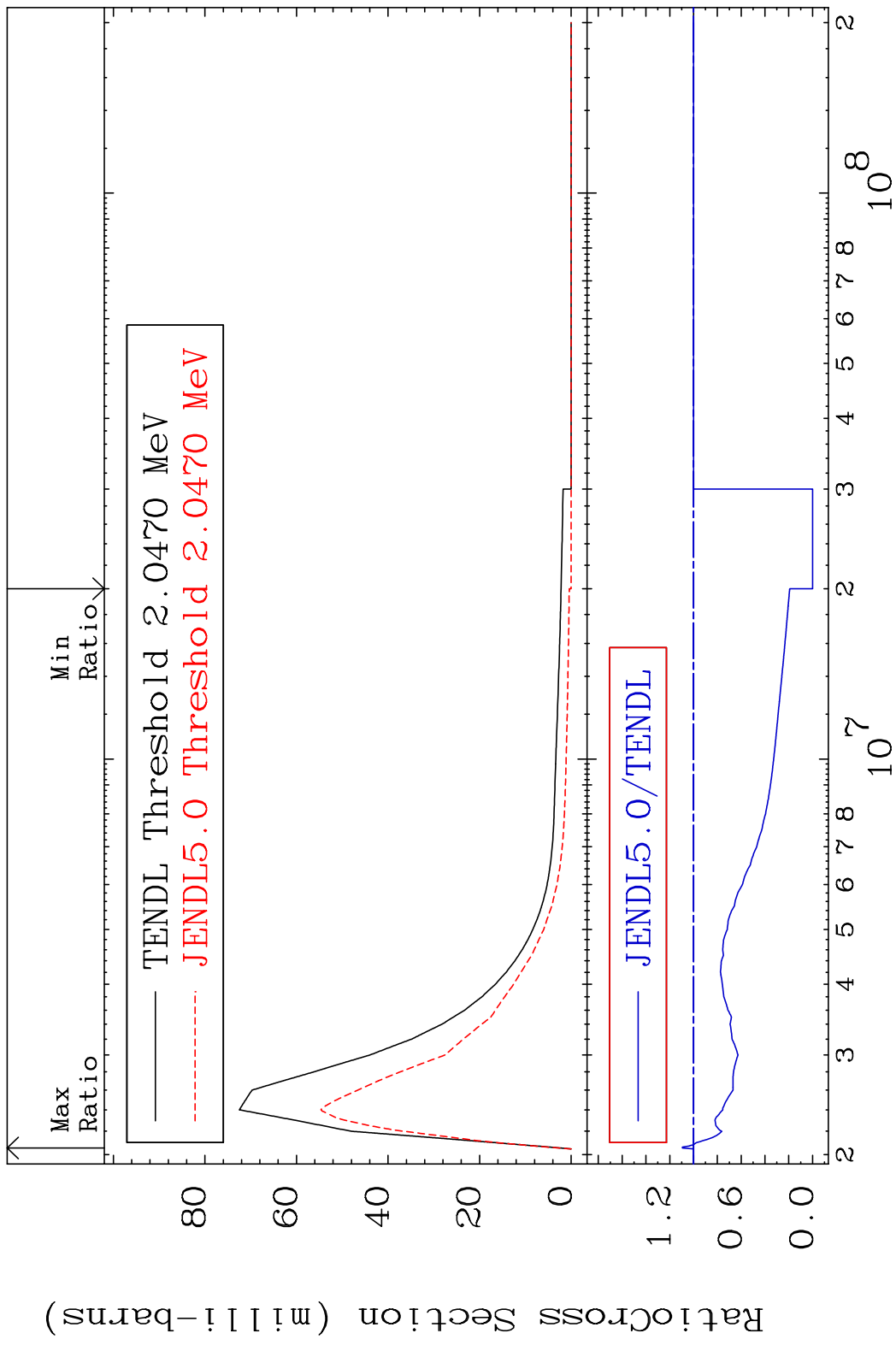
MAT 4034 MT= 64 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 2037. %



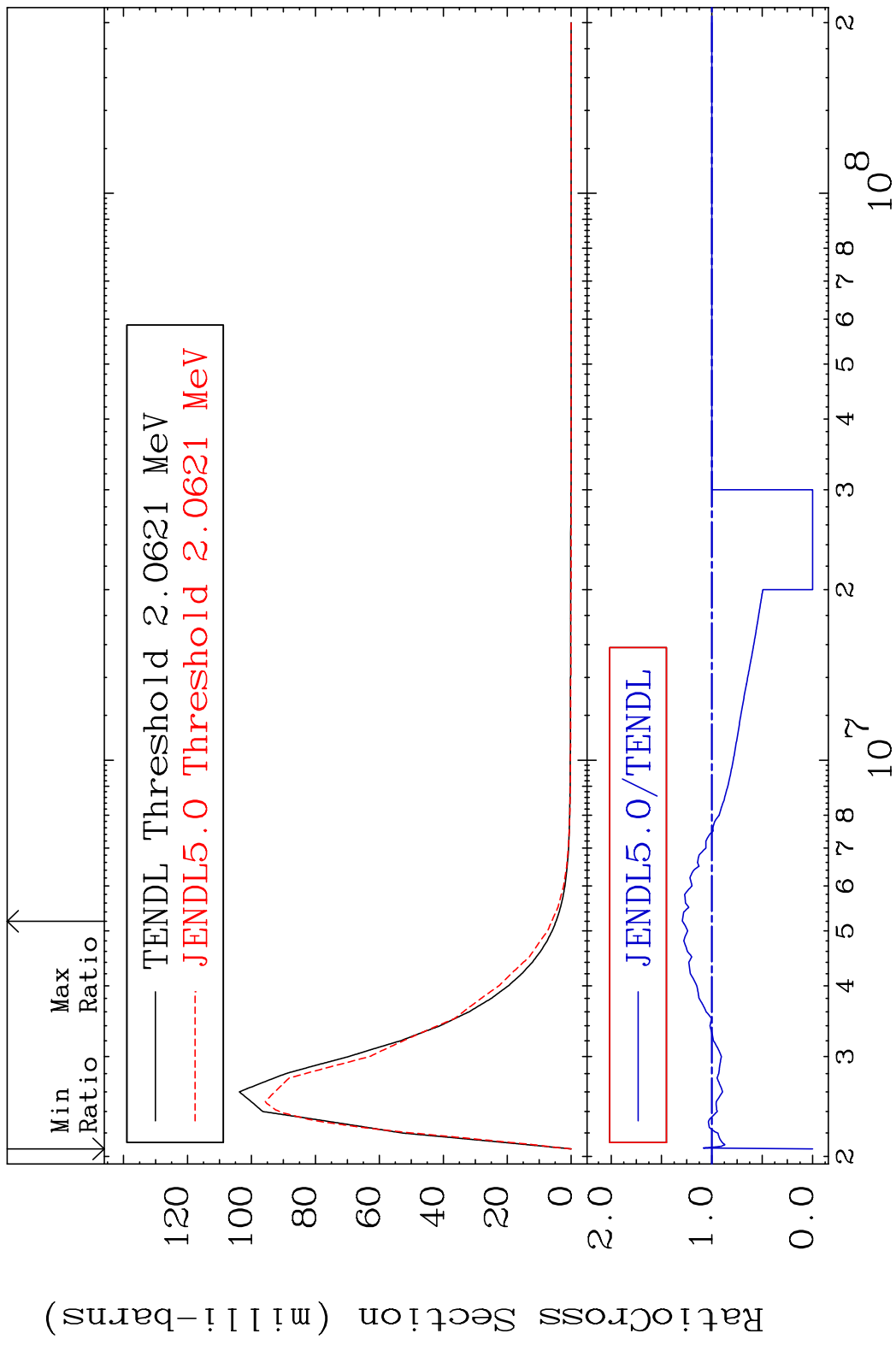
MAT 4034 MT= 65 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 30.18 %



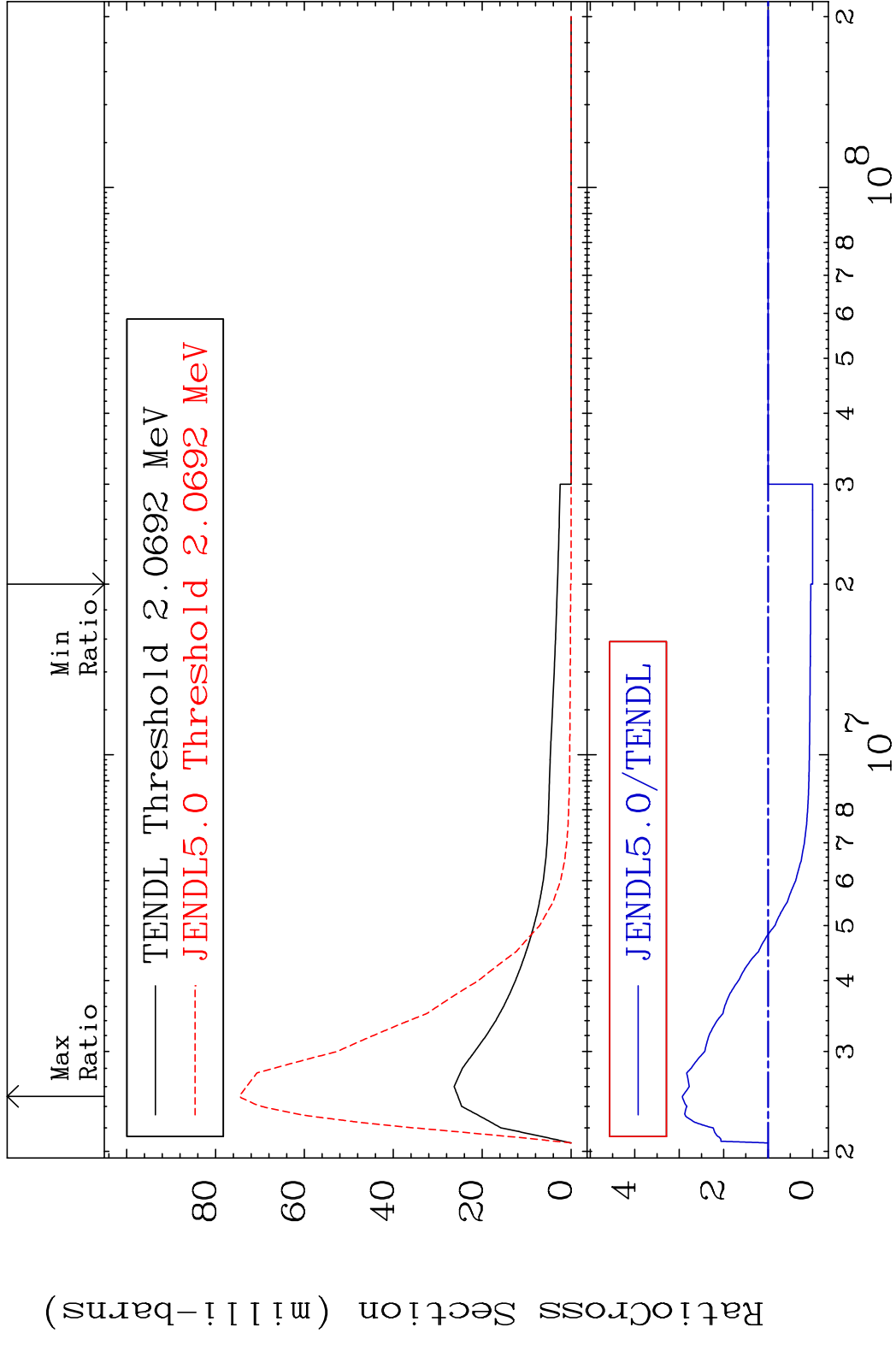
MAT 4034 MT= 66 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 9.411 %



MAT 4034 MT= 67 (n,n') Level 40-Zr-93
 Cross Section -100.0 To 29.29 %



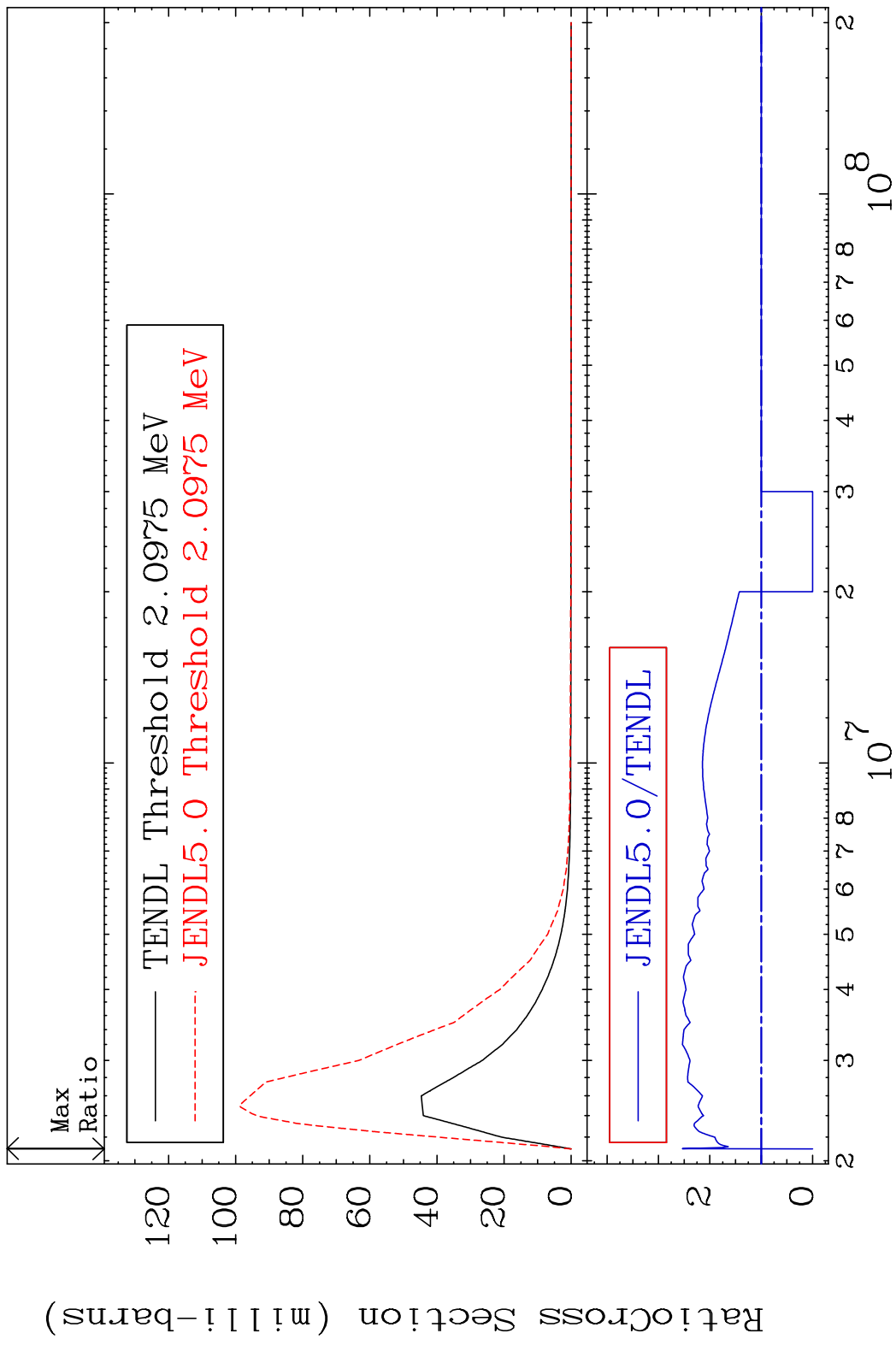
MAT 4034 MT= 68 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 193.0 %



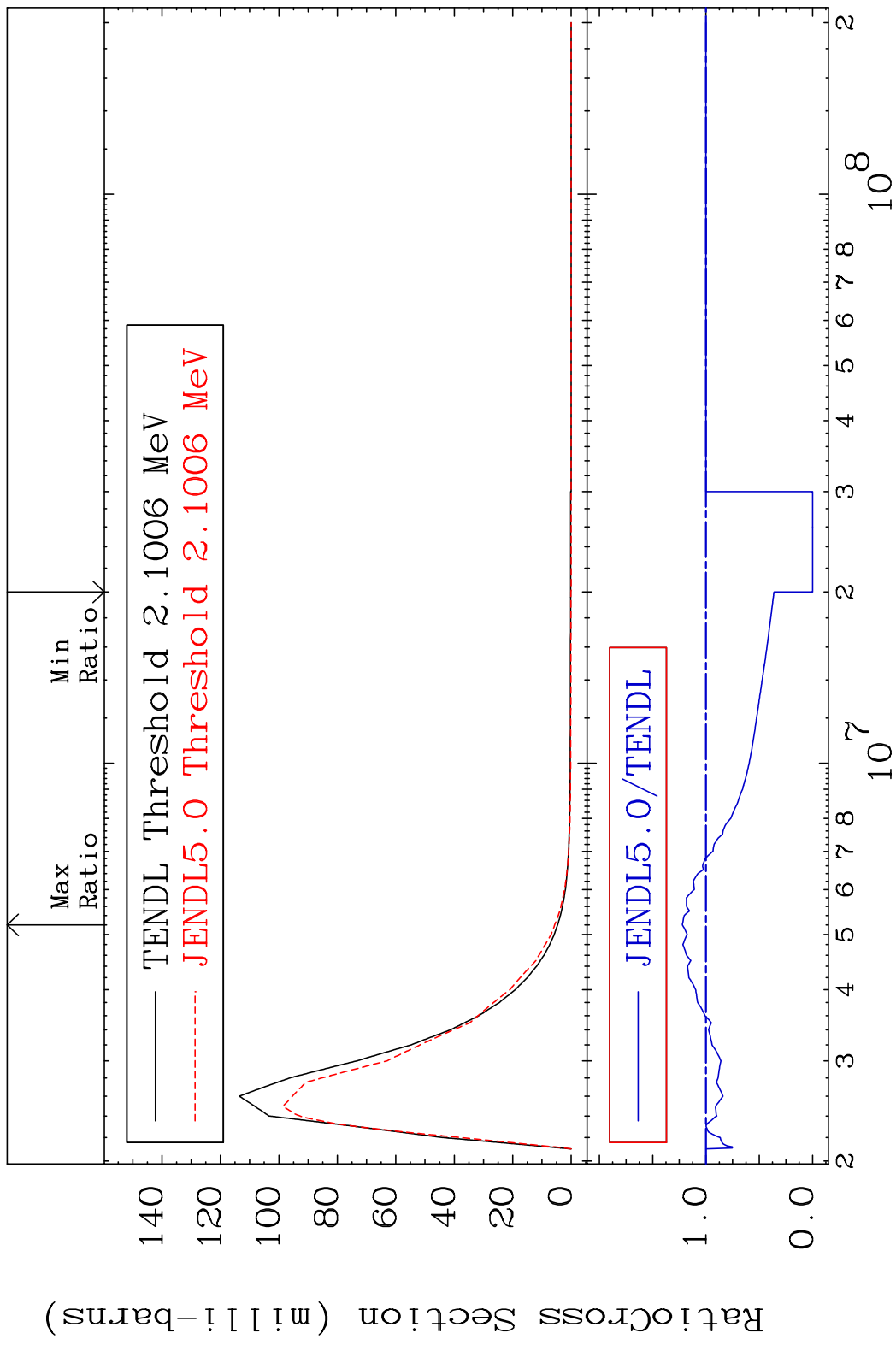
30

Incident Energy (eV) 40-Zr-93

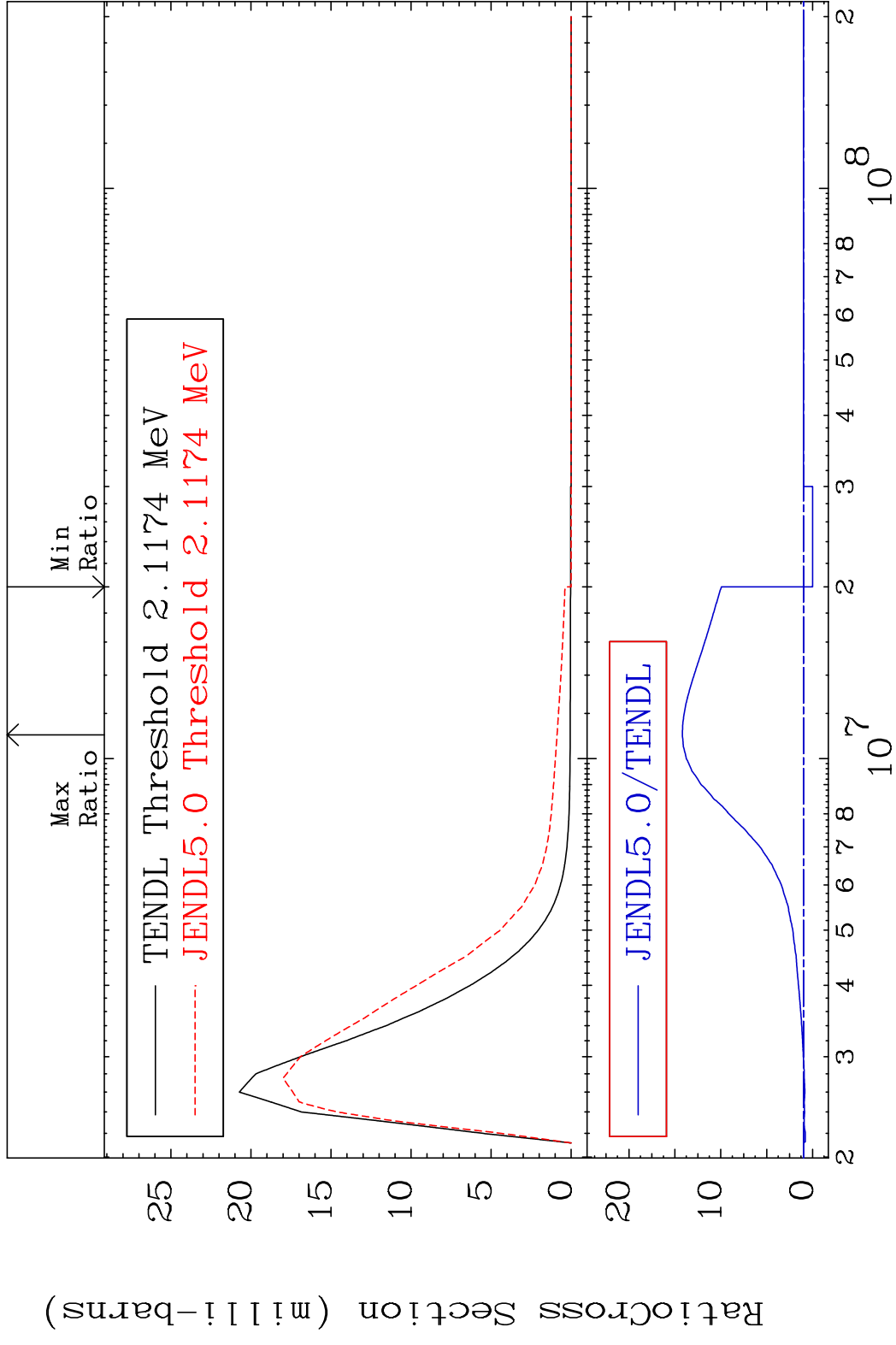
MAT 4034 MT= 69 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 153.5 %



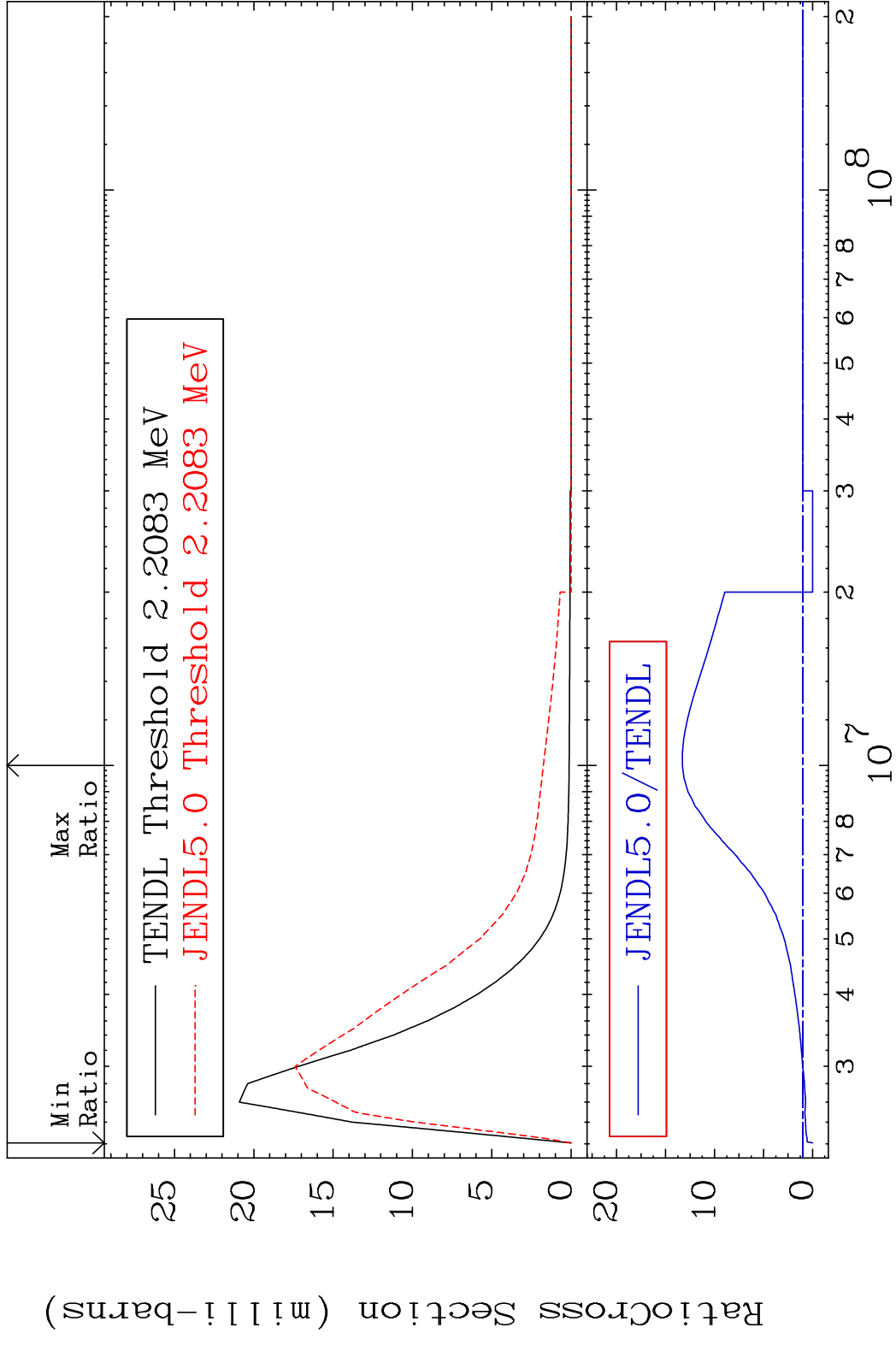
MAT 4034 MT= 70 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 22.14 %



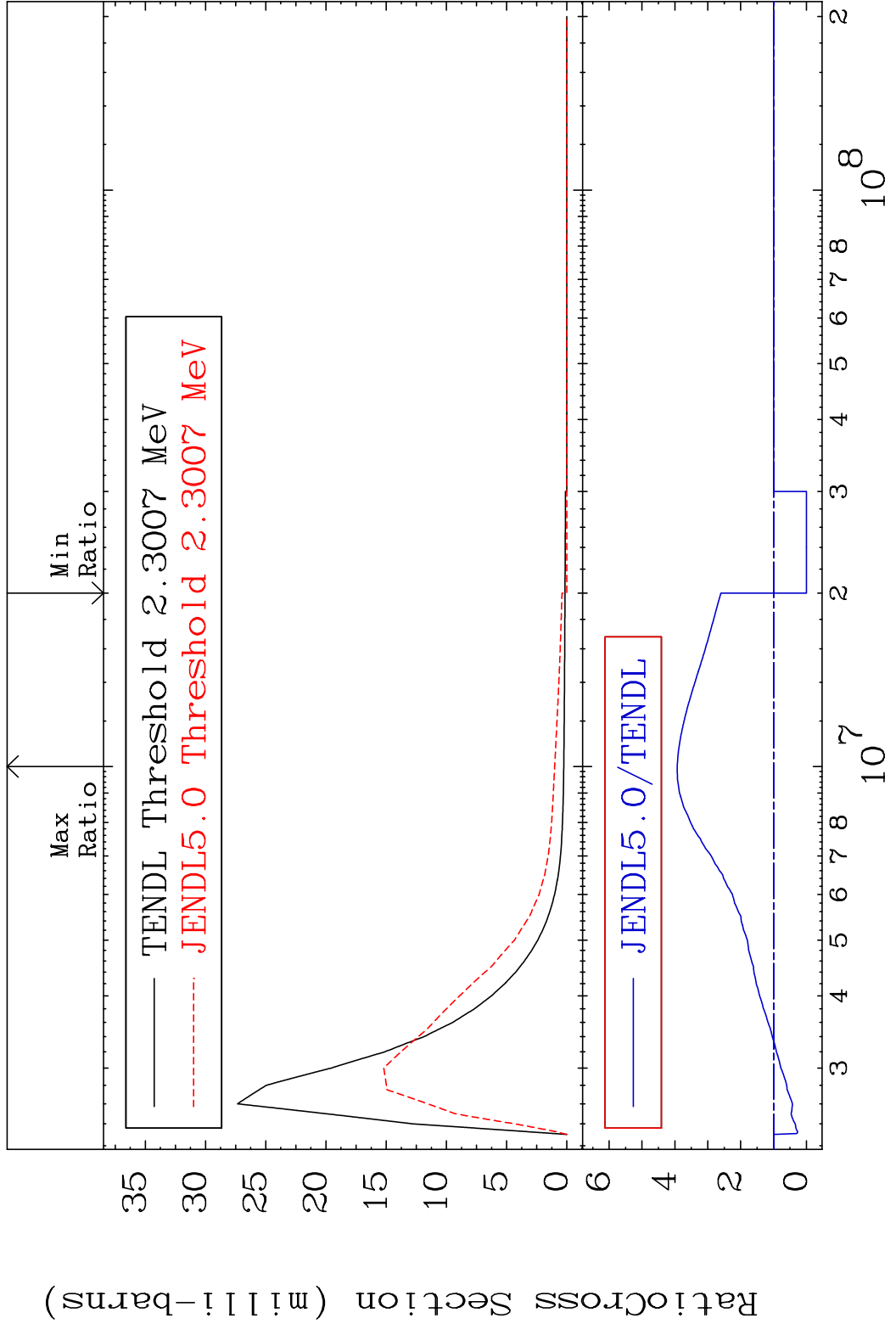
MAT 4034 MT= 71 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 1318. %



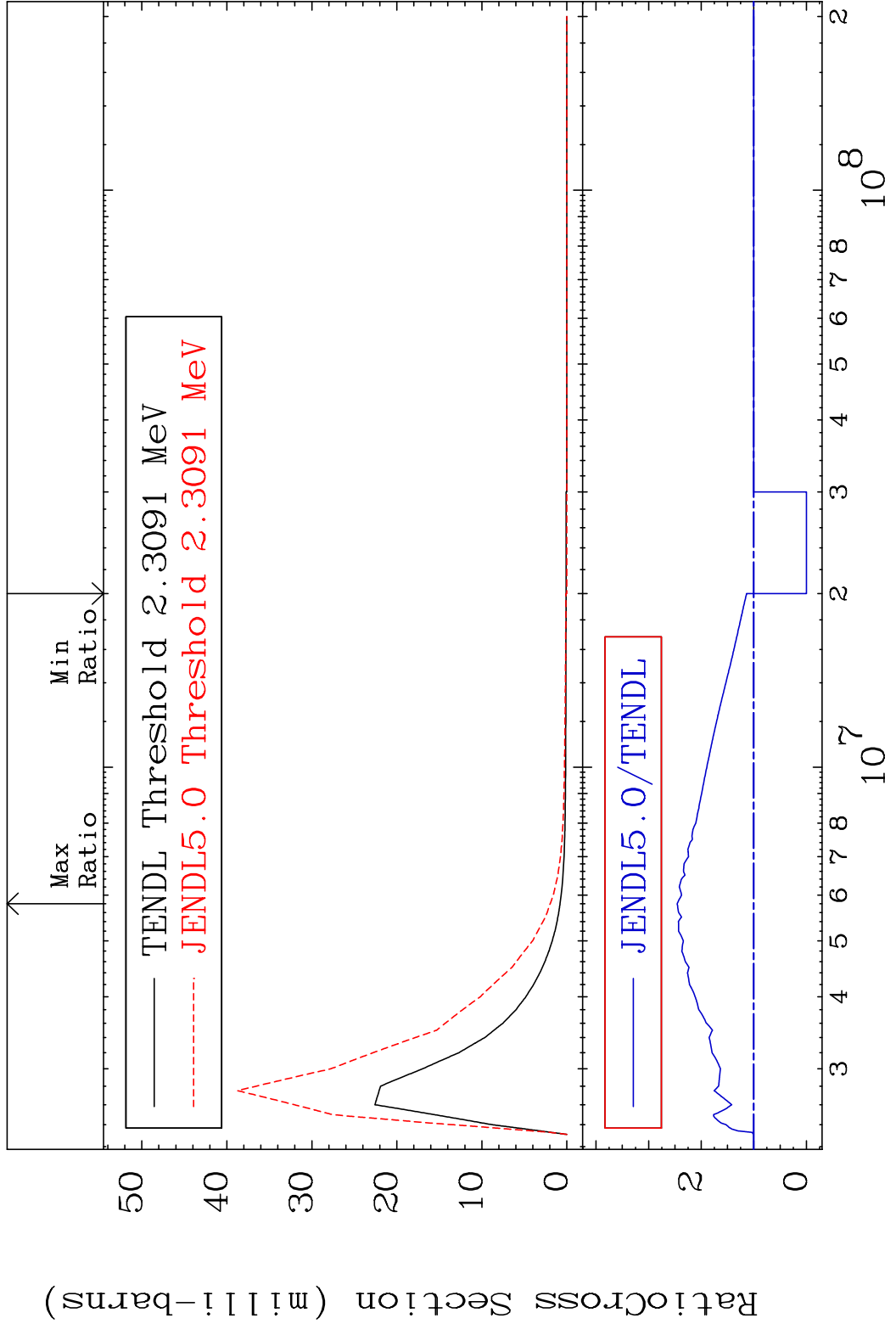
MAT 4034 MT= 72 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 1229. %



MAT 4034 MT= 73 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 293.0 %

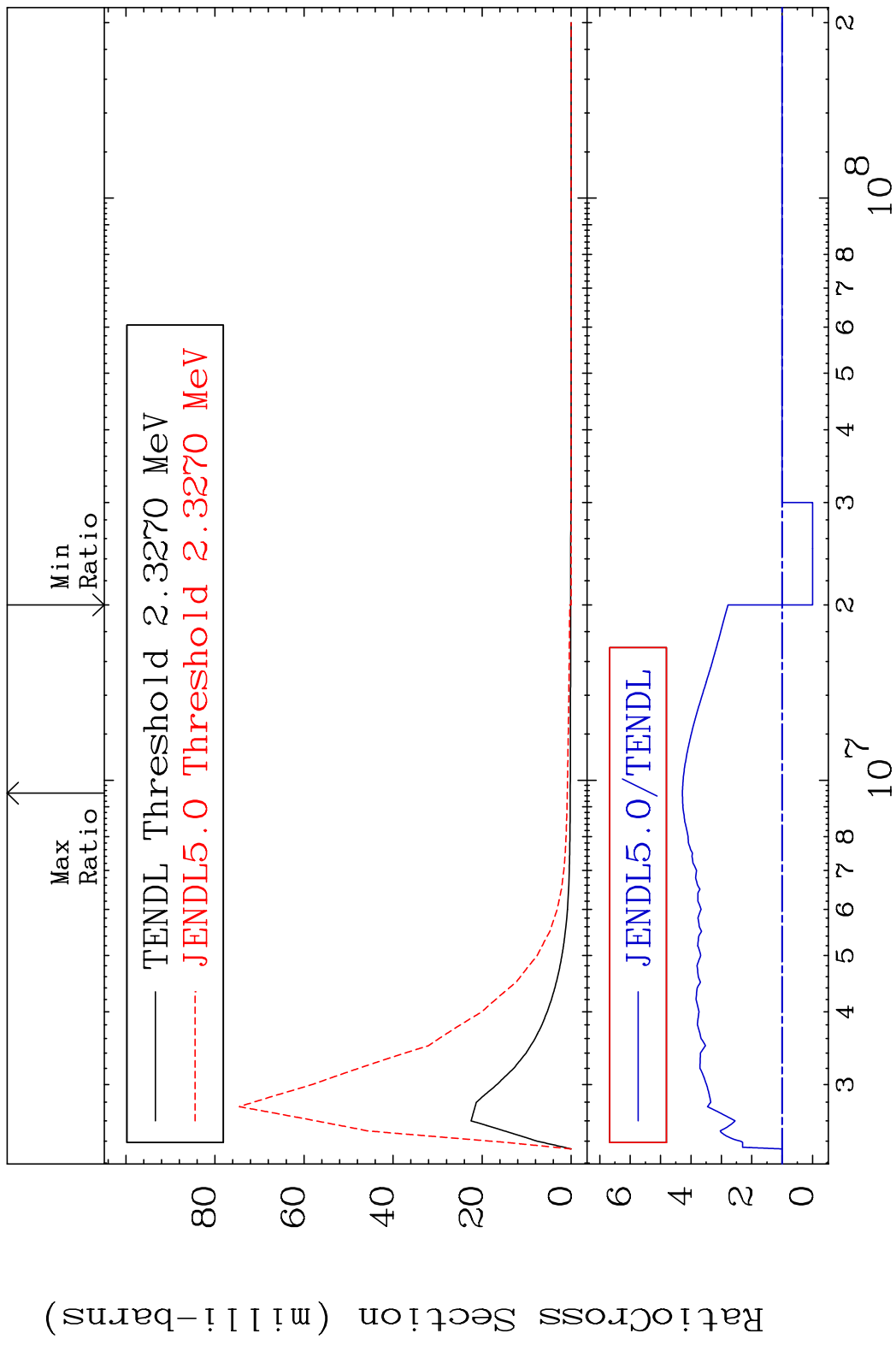


MAT 4034 MT= 74 (n,n') Level 40-Zr-93
 Cross Section -100.0 To 145.7 %

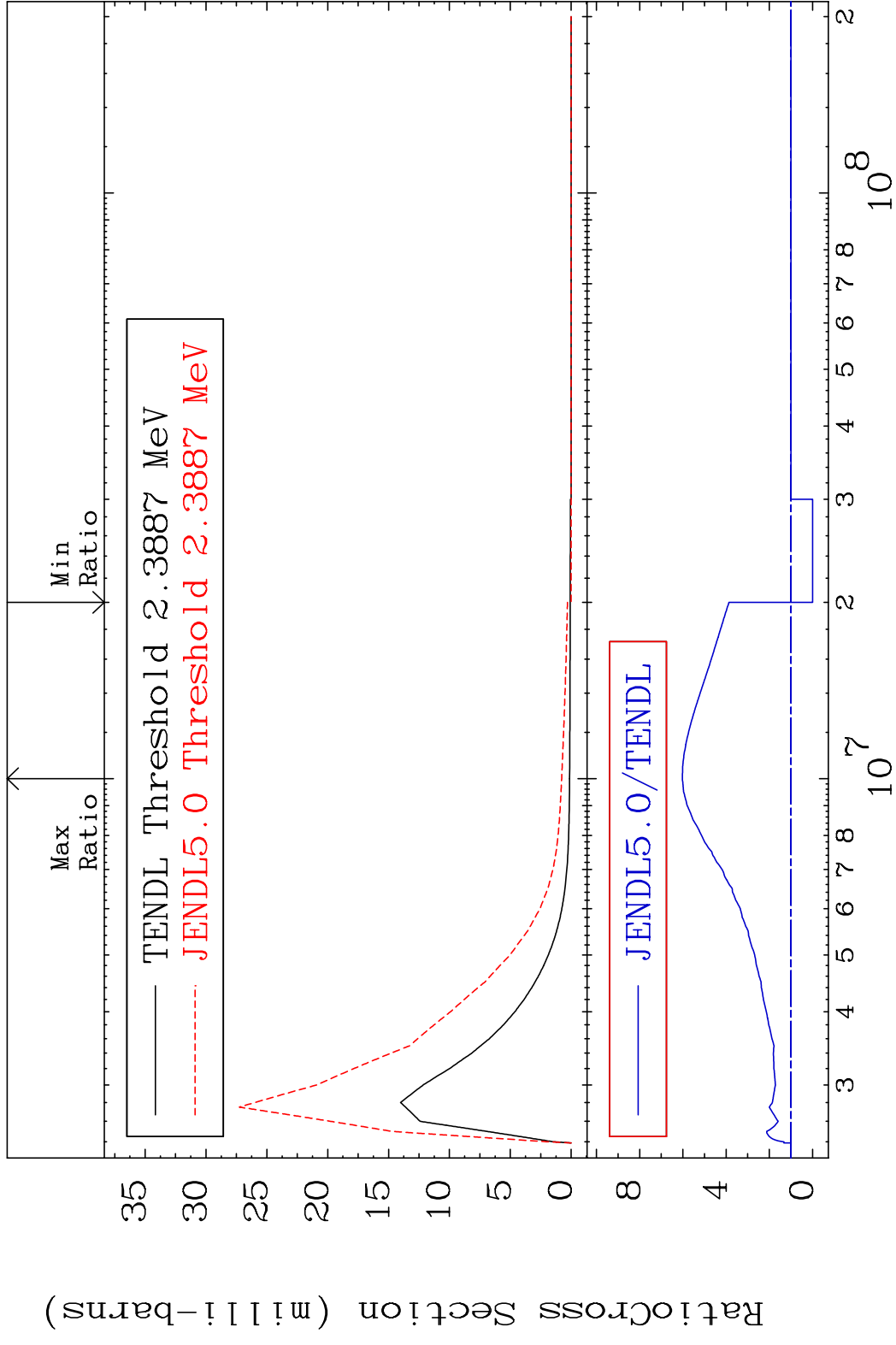


36 Incident Energy (eV) 40-Zr-93

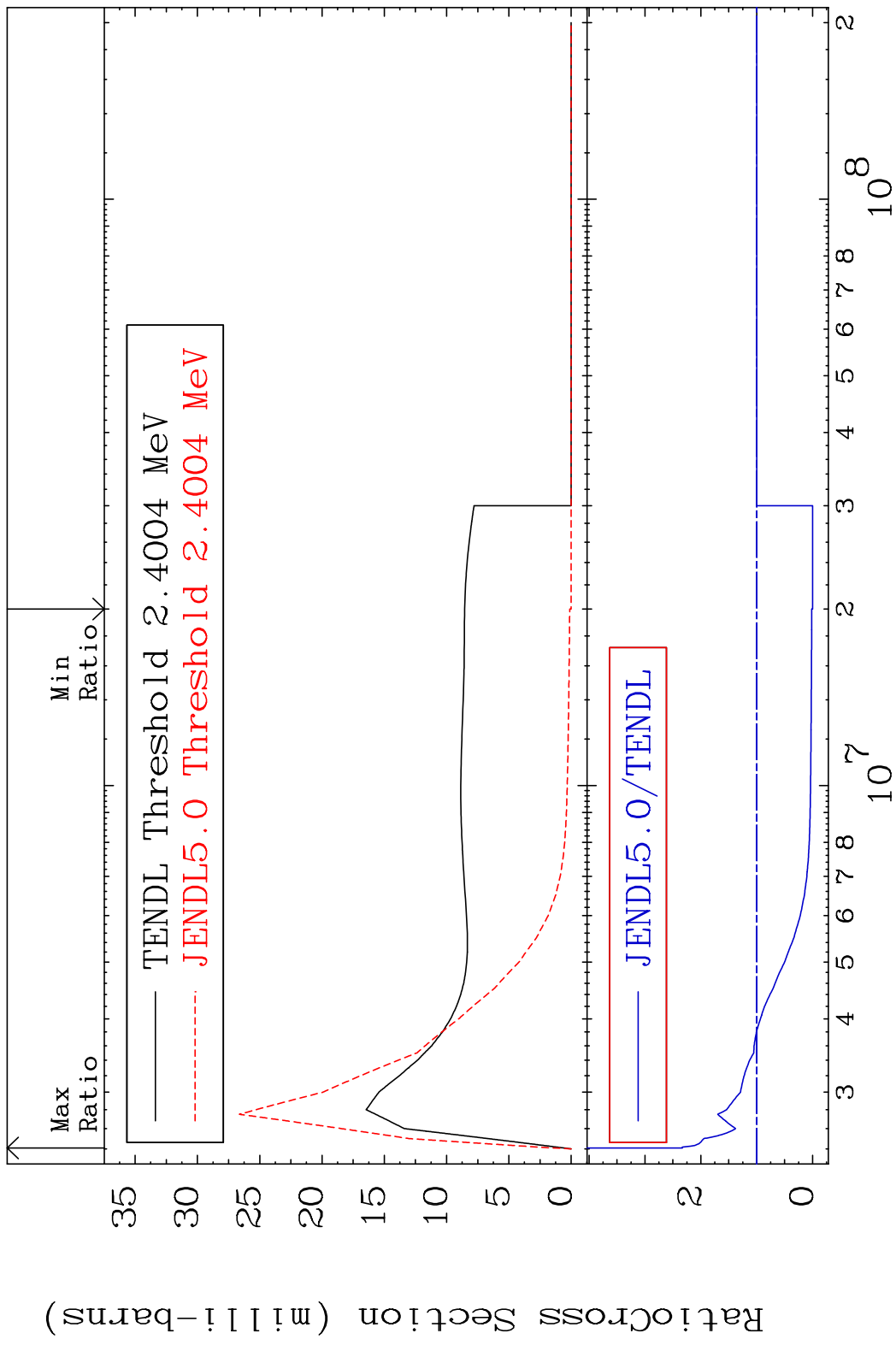
MAT 4034 MT= 75 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 328.3 %



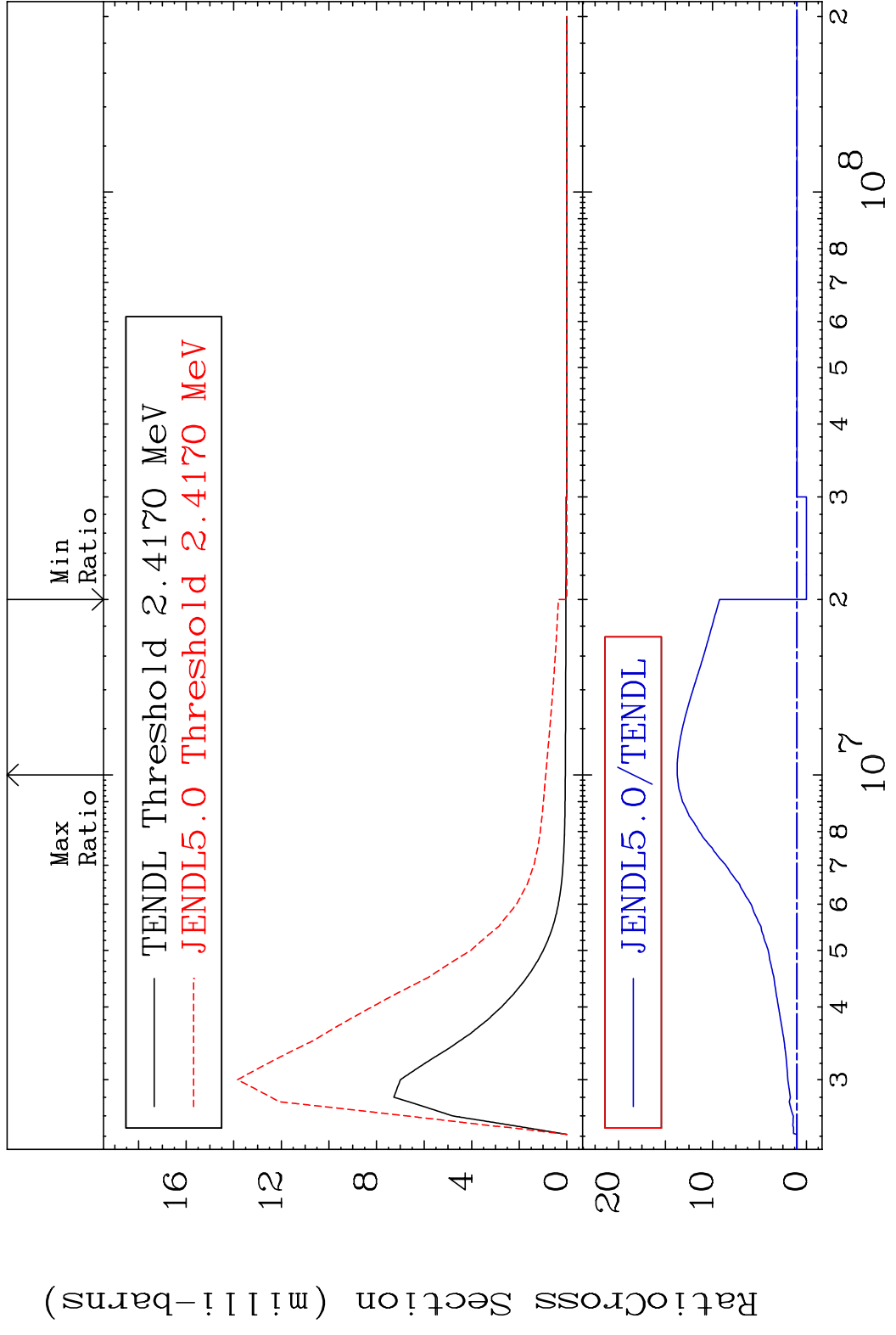
MAT 4034 MT= 76 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 502.4 %



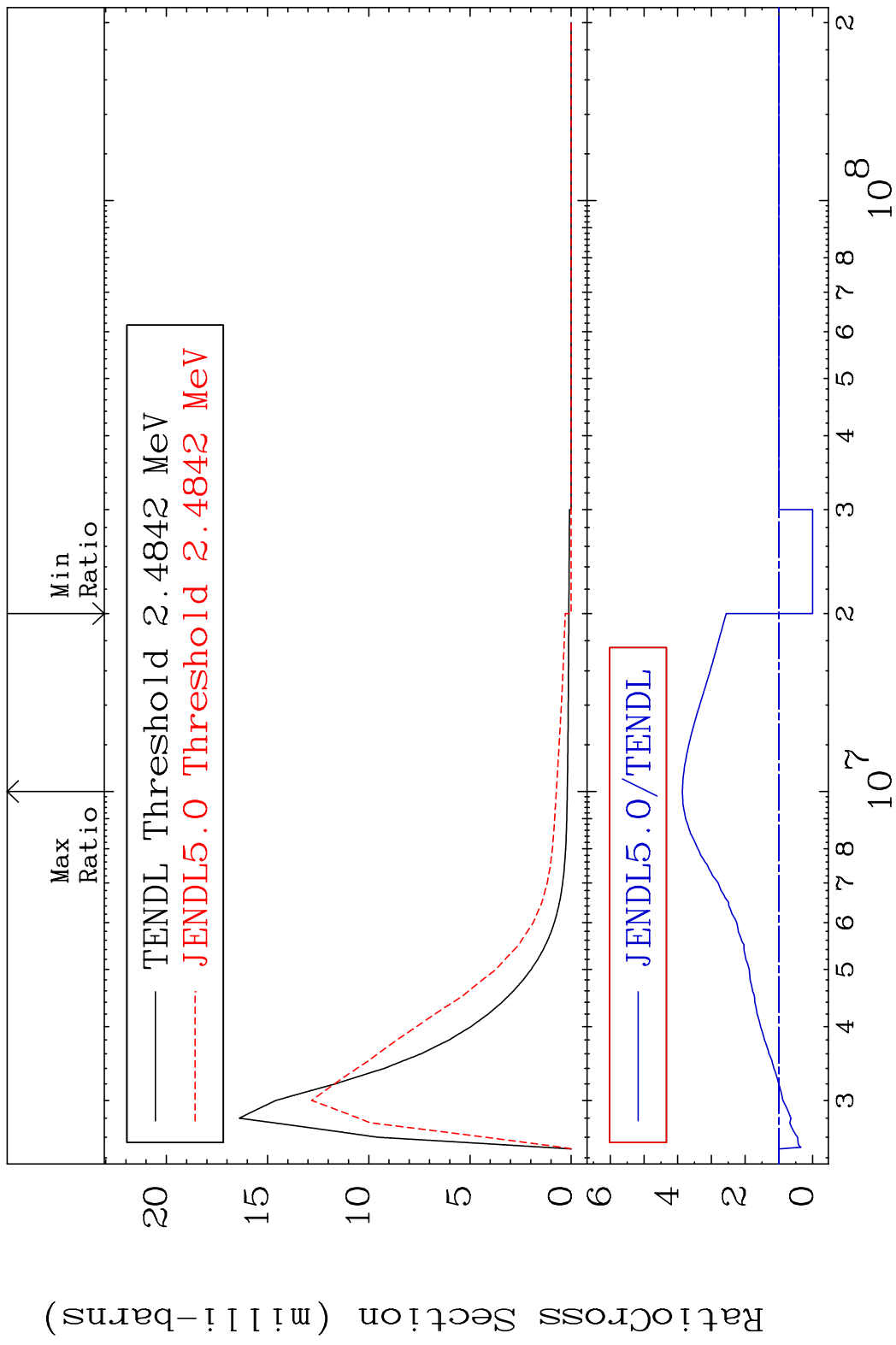
MAT 4034 MT= 77 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 133.0 %



MAT 4034 MT= 78 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 1275. %



MAT 4034 MT= 79 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 286.2 %

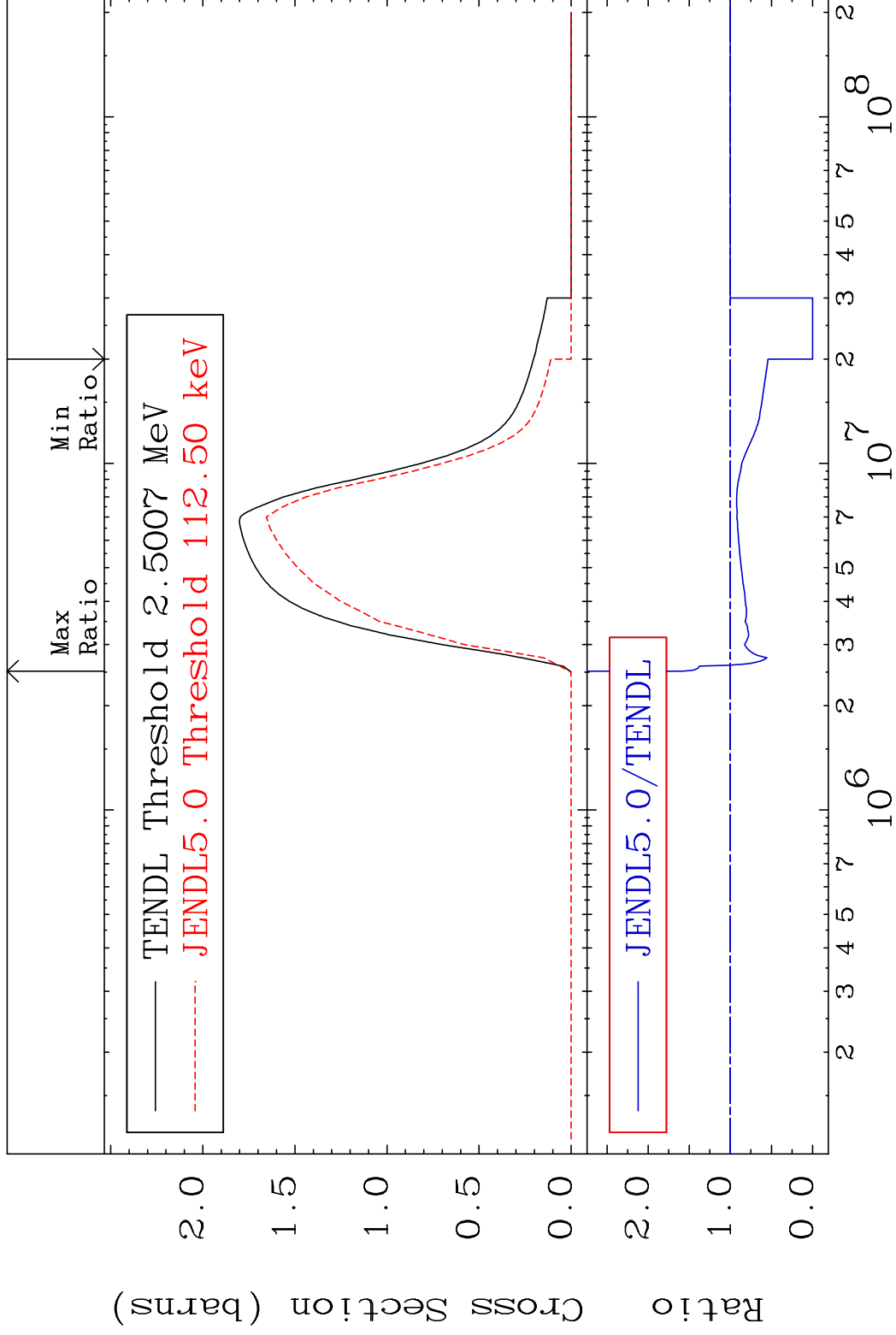


MAT 4034

(n, n') Continuum

40-Zr-93

Cross Section -100.0 To 58.37 %



42

Incident Energy (eV)

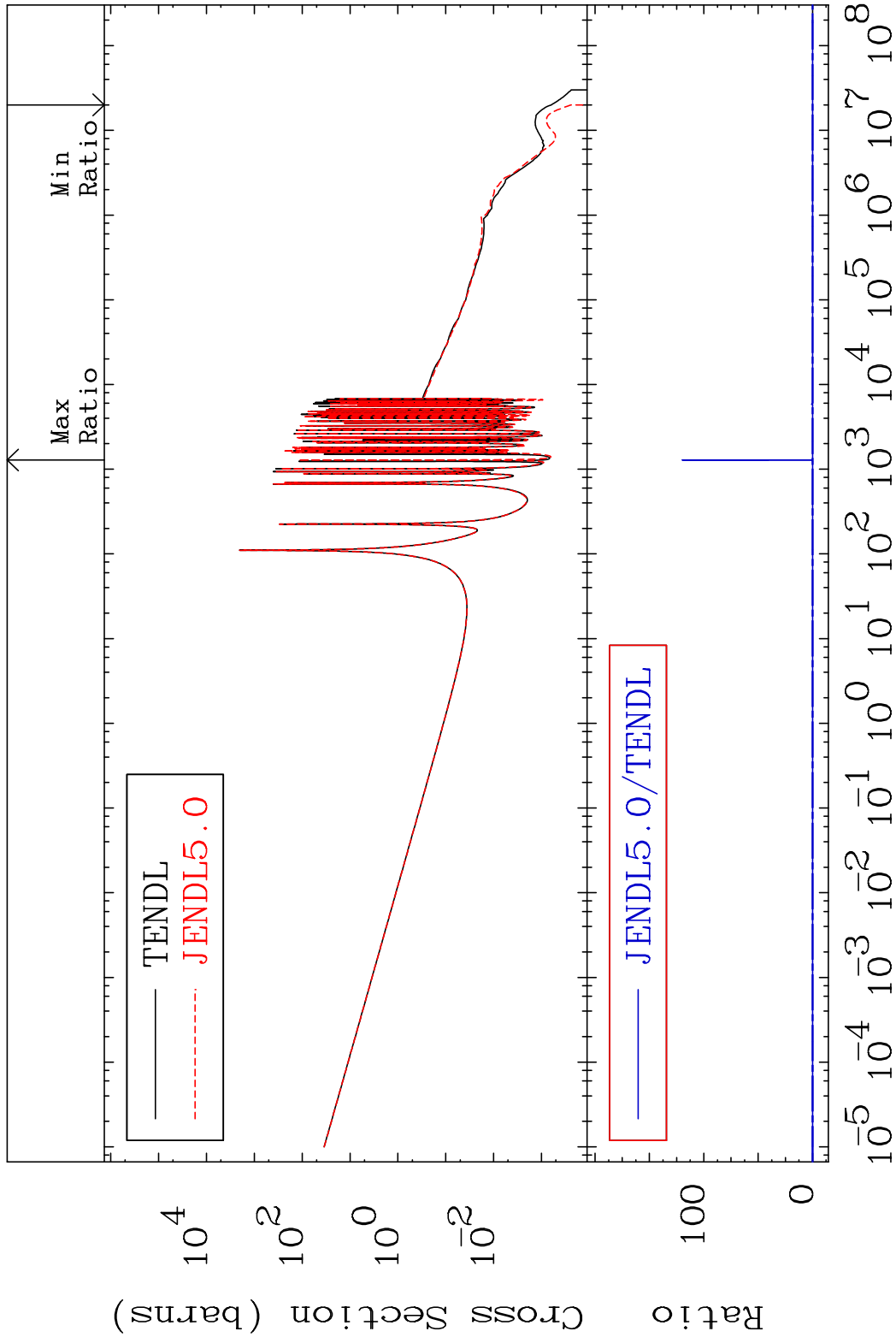
40-Zr-93

MAT 4034

(n, γ)

40-Zr-93

Cross Section -100.0 To 9999. %

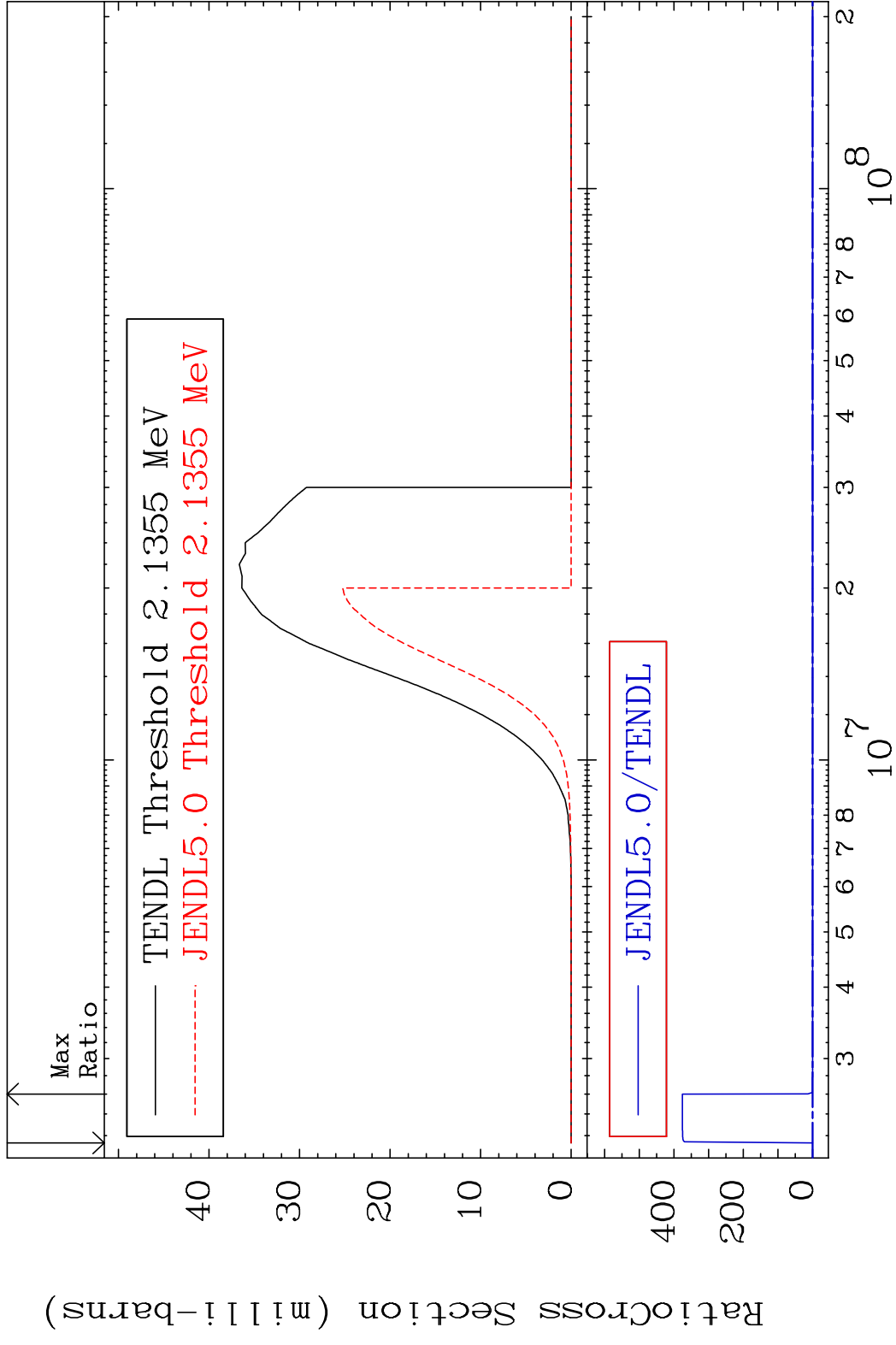


43

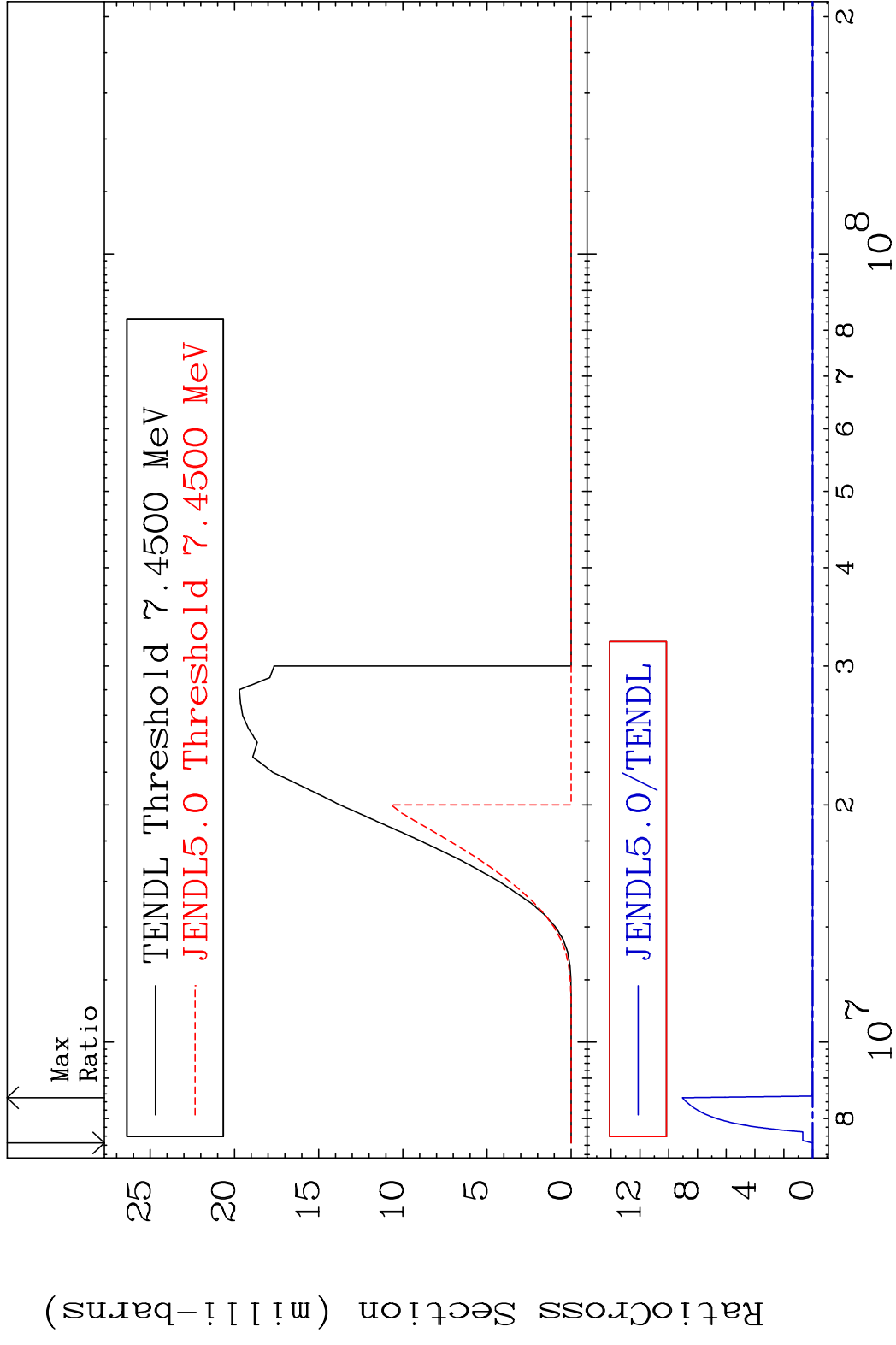
Incident Energy (eV)

40-Zr-93

MAT 4034 (n,p) 40-Zr-93
 Cross Section -100.0 To 9999. %



MAT 4034 (n,d) 40-Zr-93
 Cross Section -100.0 To 9999. %



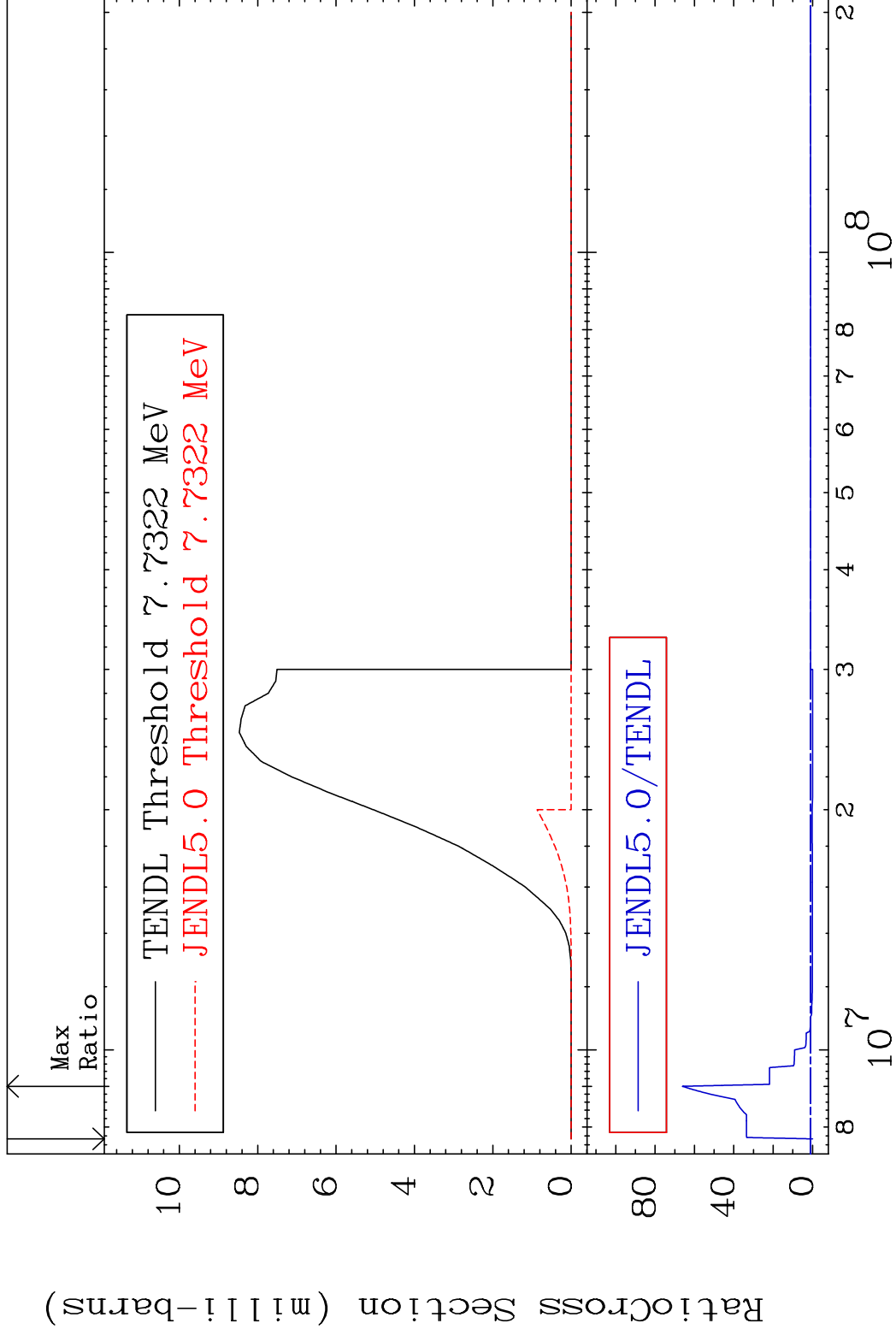
45 40-Zr-93

MAT 4034

(n, t)

40-Zr-93

Cross Section -100.0 To 6514. %



46

Incident Energy (eV)

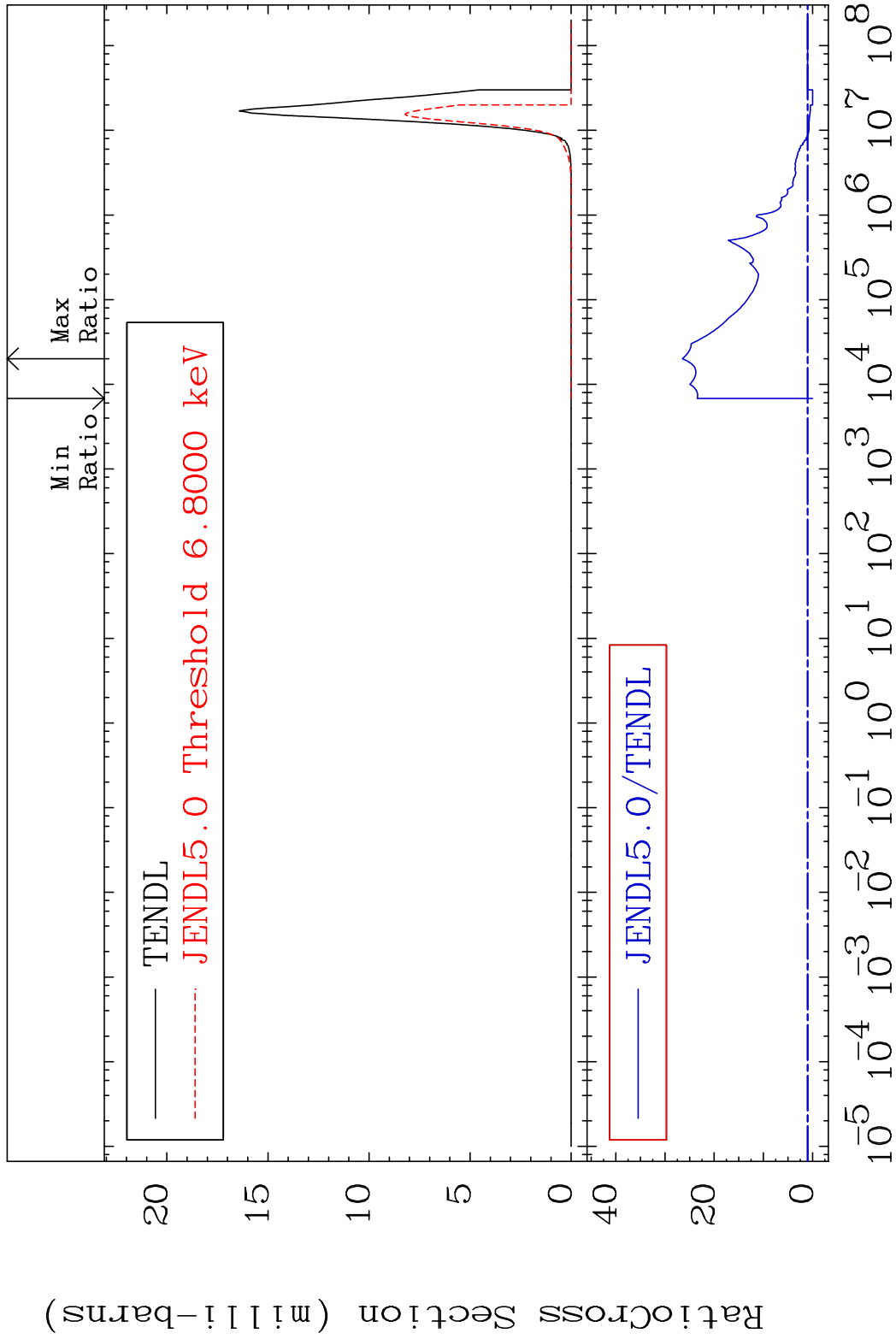
40-Zr-93

MAT 4034

(n, α)

40-Zr-93

Cross Section -100.0 To 2547. %

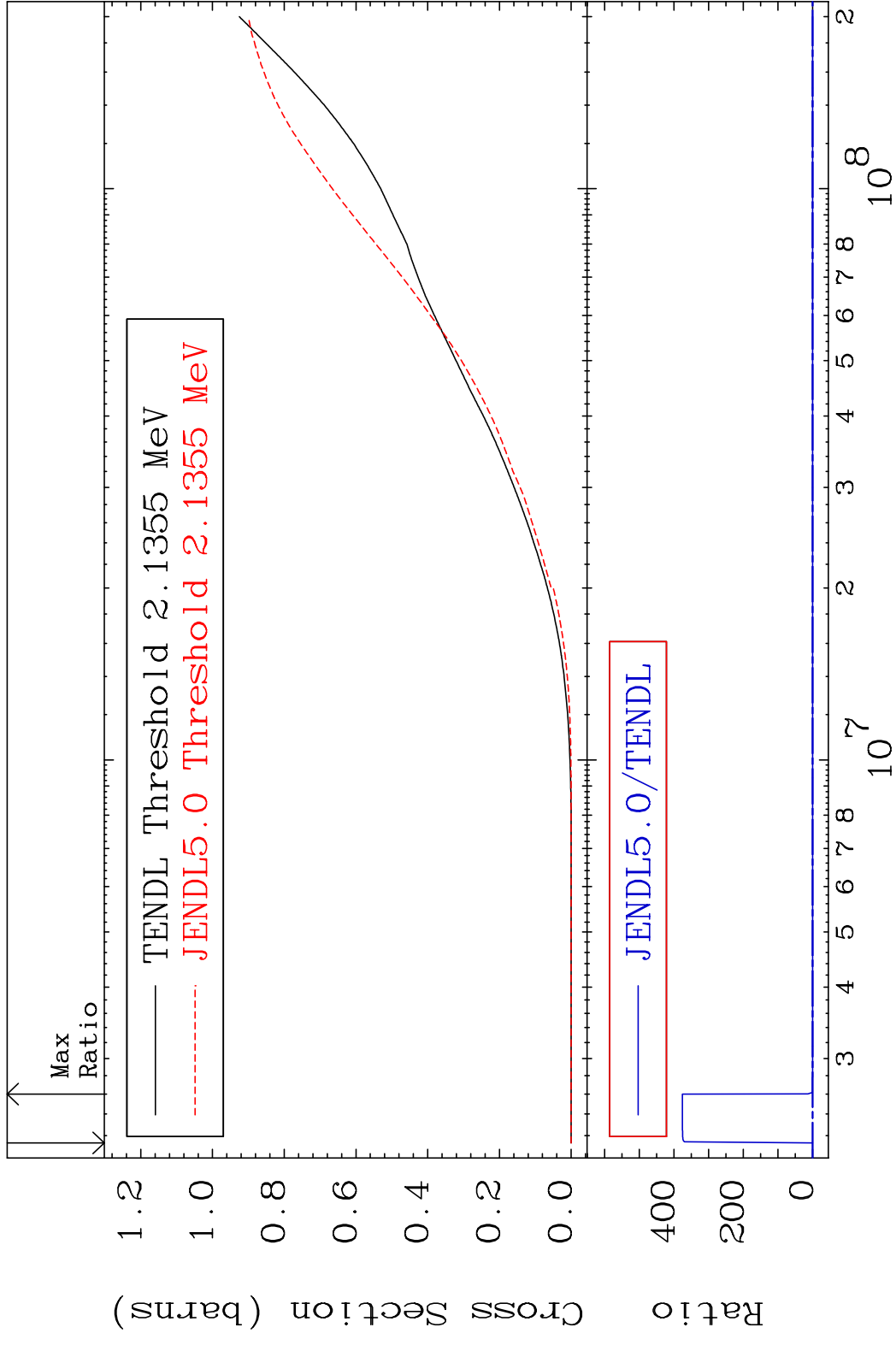


47

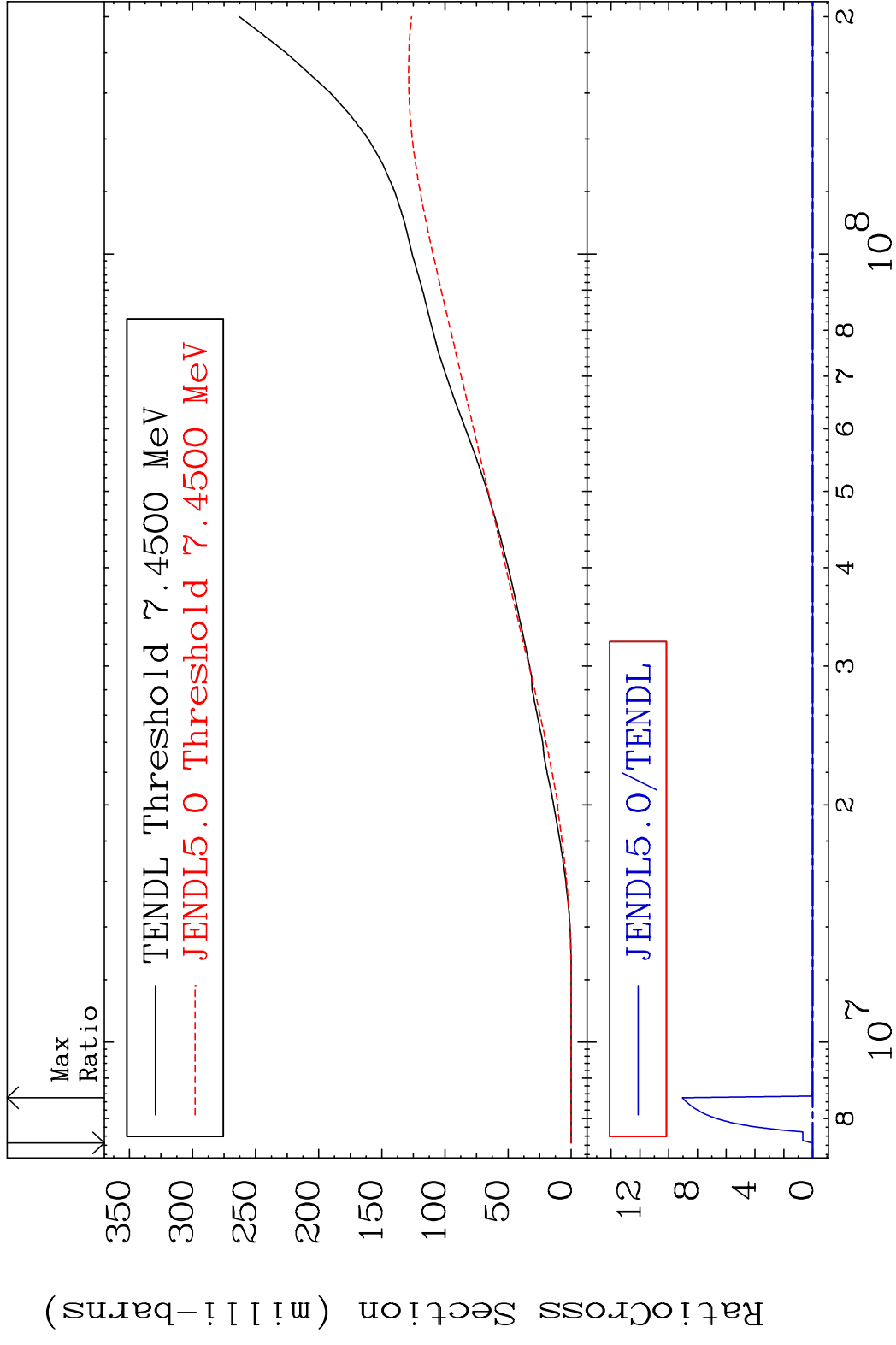
Incident Energy (eV)

40-Zr-93

MAT 4034 Hydrogen Production 40-Zr-93
 Cross Section -100.0 To 9999. %

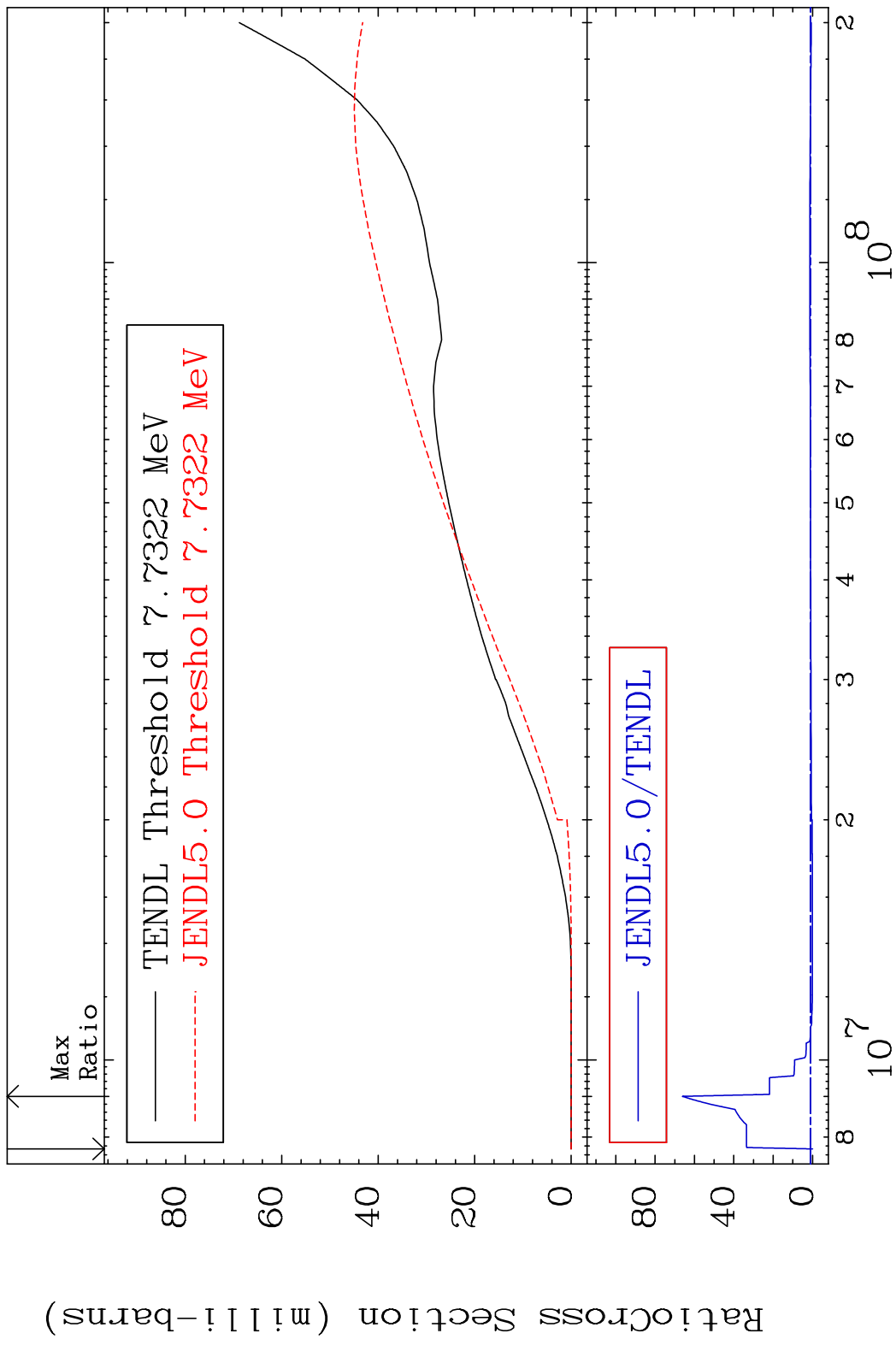


MAT 4034 Deuterium Production 40-Zr-93
 Cross Section -100.0 To 9999. %



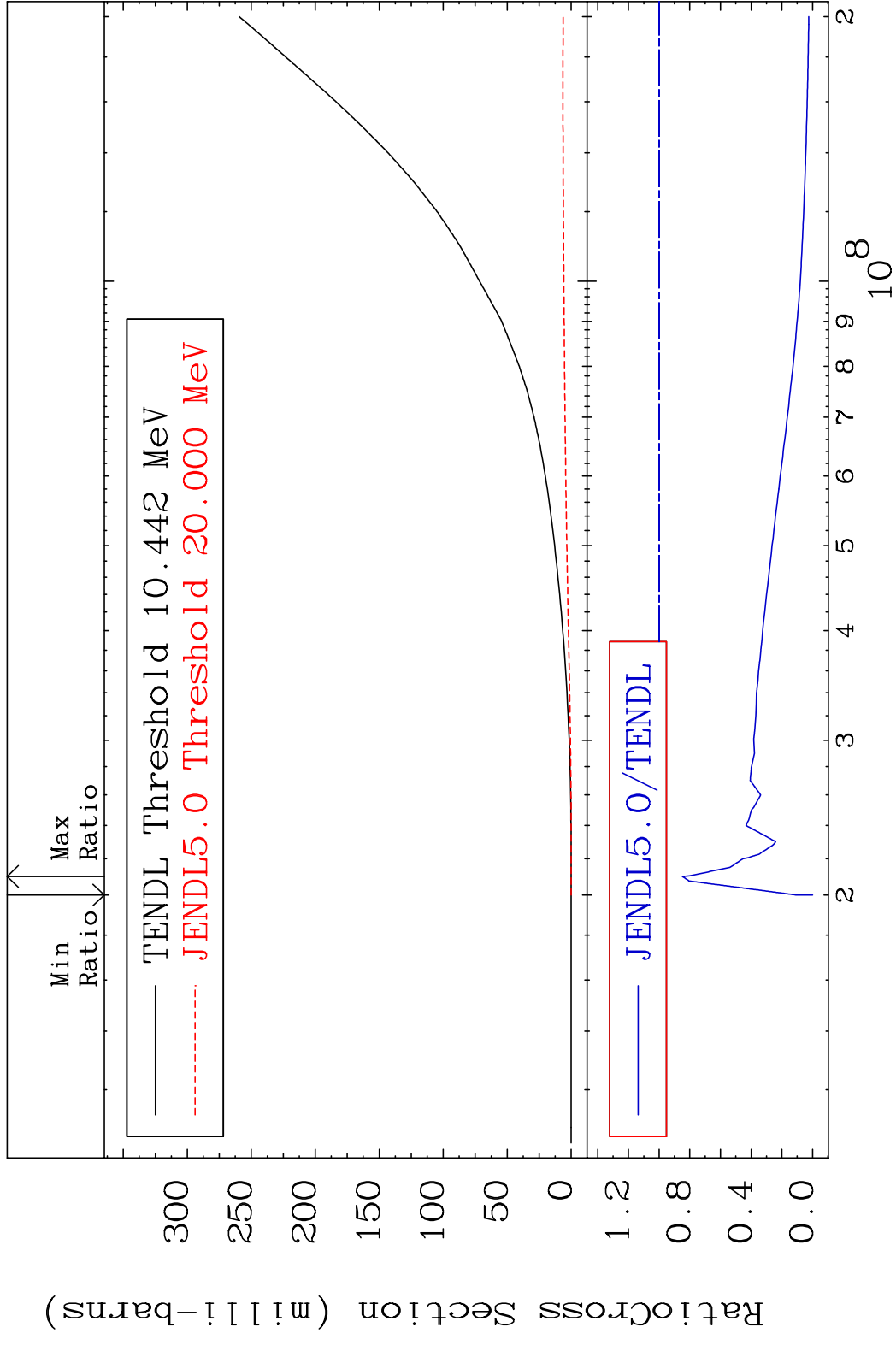
49 49 49 Incident Energy (eV) 40-Zr-93 40-Zr-93

MAT 4034 Tritium Production 40-Zr-93
Cross Section -100.0 To 6514. %



50 80 40 0 80 40 0 2 3 4 5 6 7 8 10⁷ 10⁸ 40-Zr-93

MAT 4034 He-3 Production 40-Zr-93
 Cross Section -100.0 To -15.15%

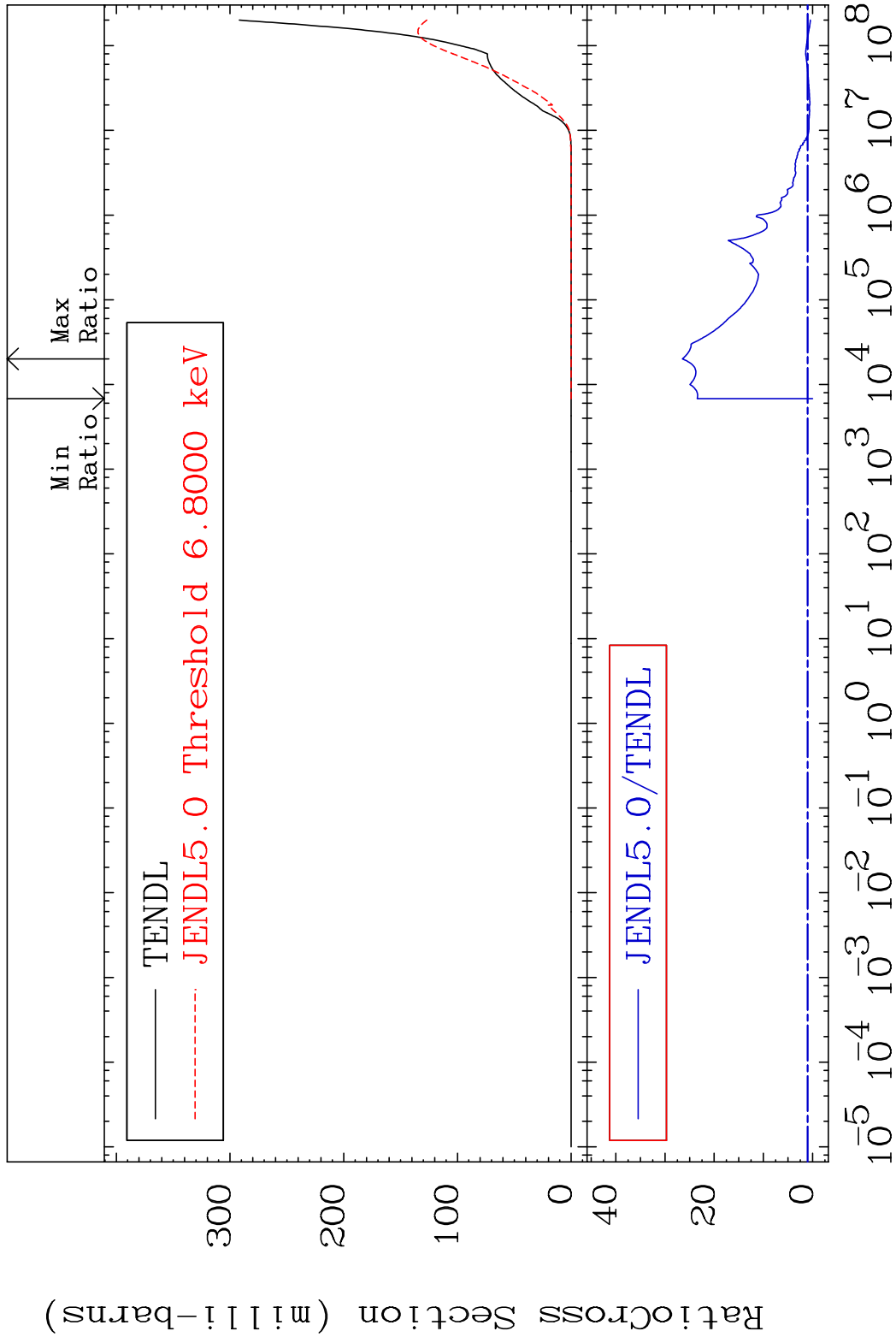


MAT 4034

He-4 Production

40-Zr-93

Cross Section -100.0 To 2547. %

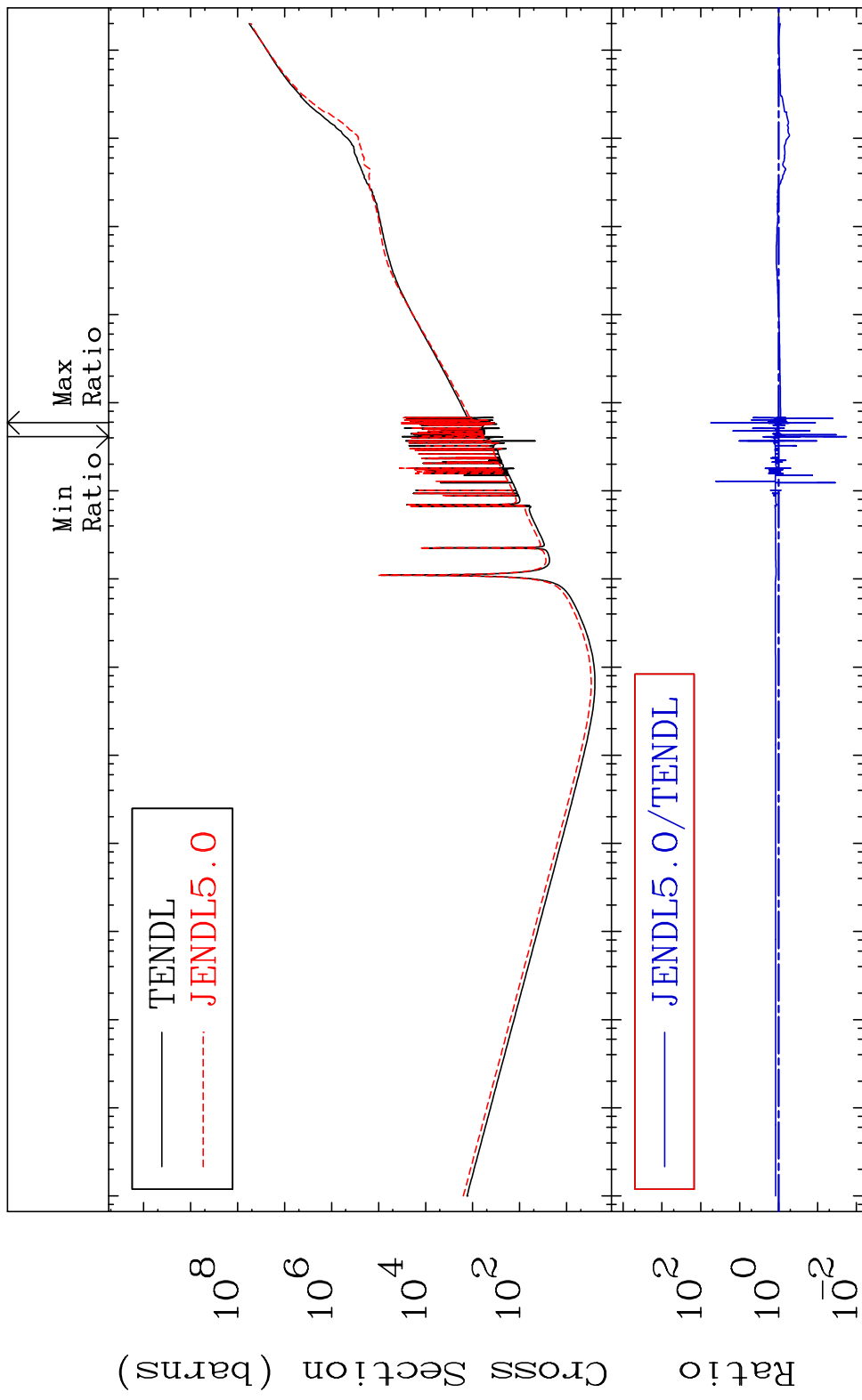


52

Incident Energy (eV)

40-Zr-93

MAT 4034 Kerma total (eV-barns) 40-Zr-93
 Cross Section -98.18 To 5471. %



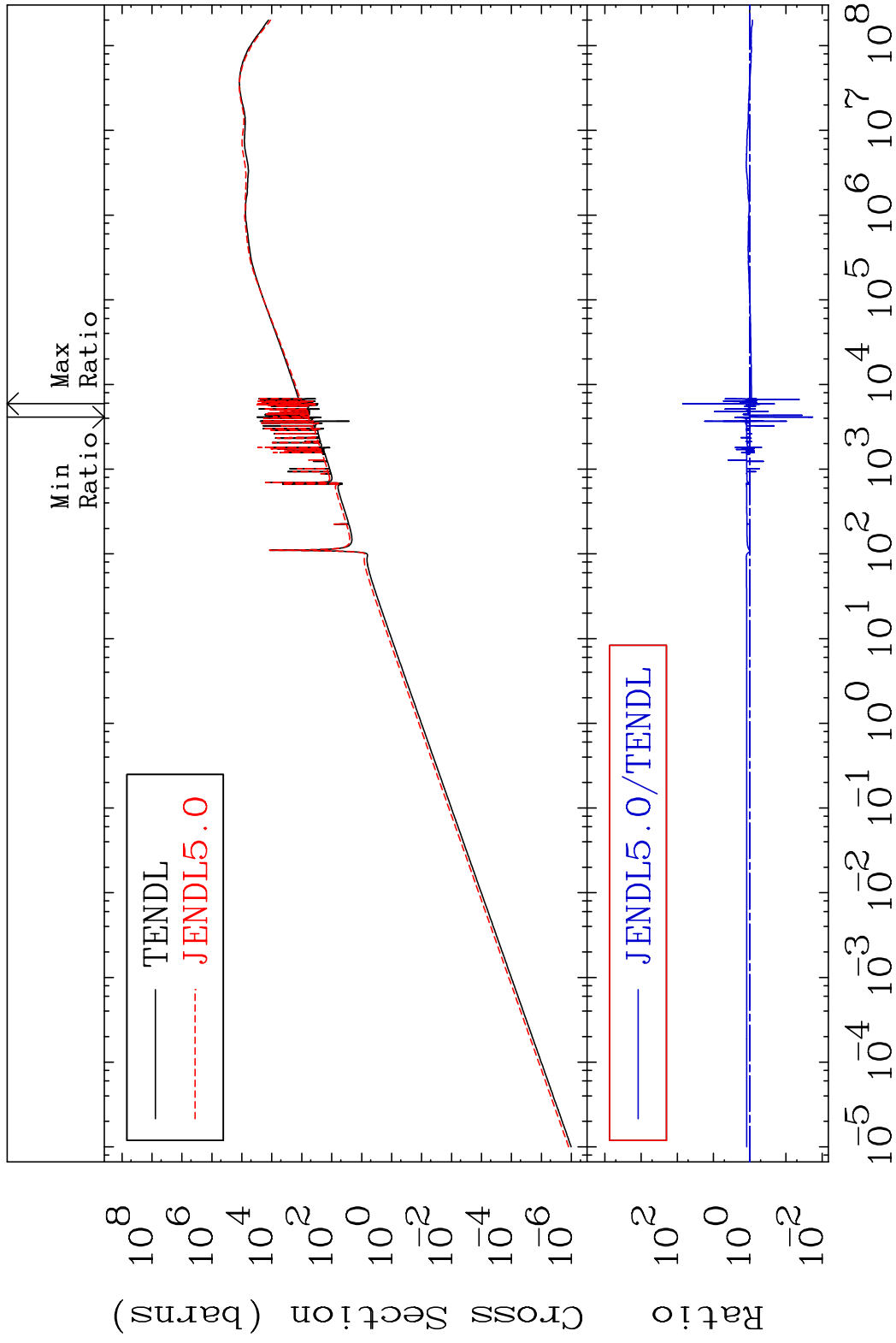
53 Incident Energy (eV) 40-Zr-93

MAT 4034

Kerma elastic

40-Zr-93

Cross Section -98.16 To 7149. %

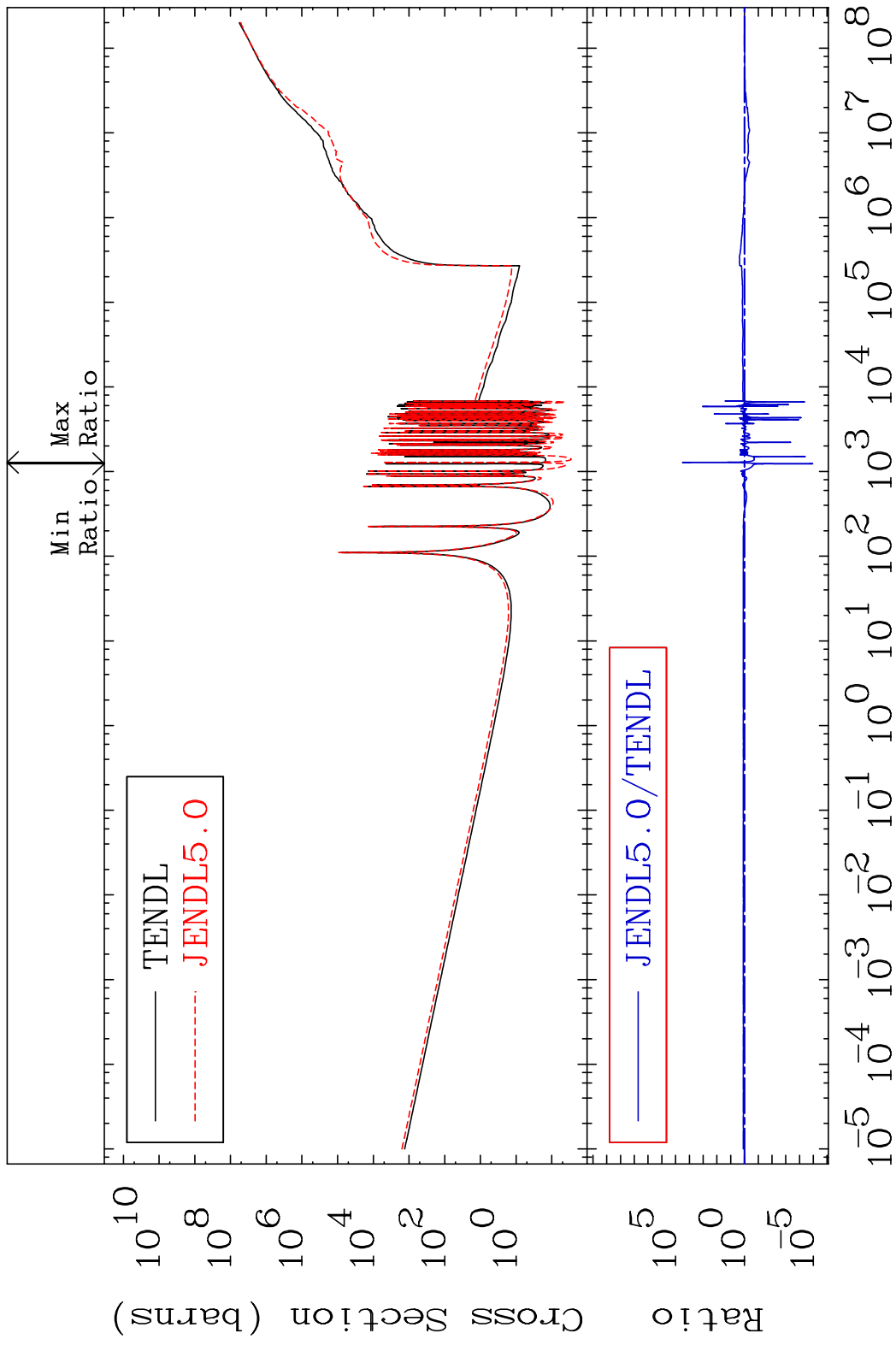


54

Incident Energy (eV)

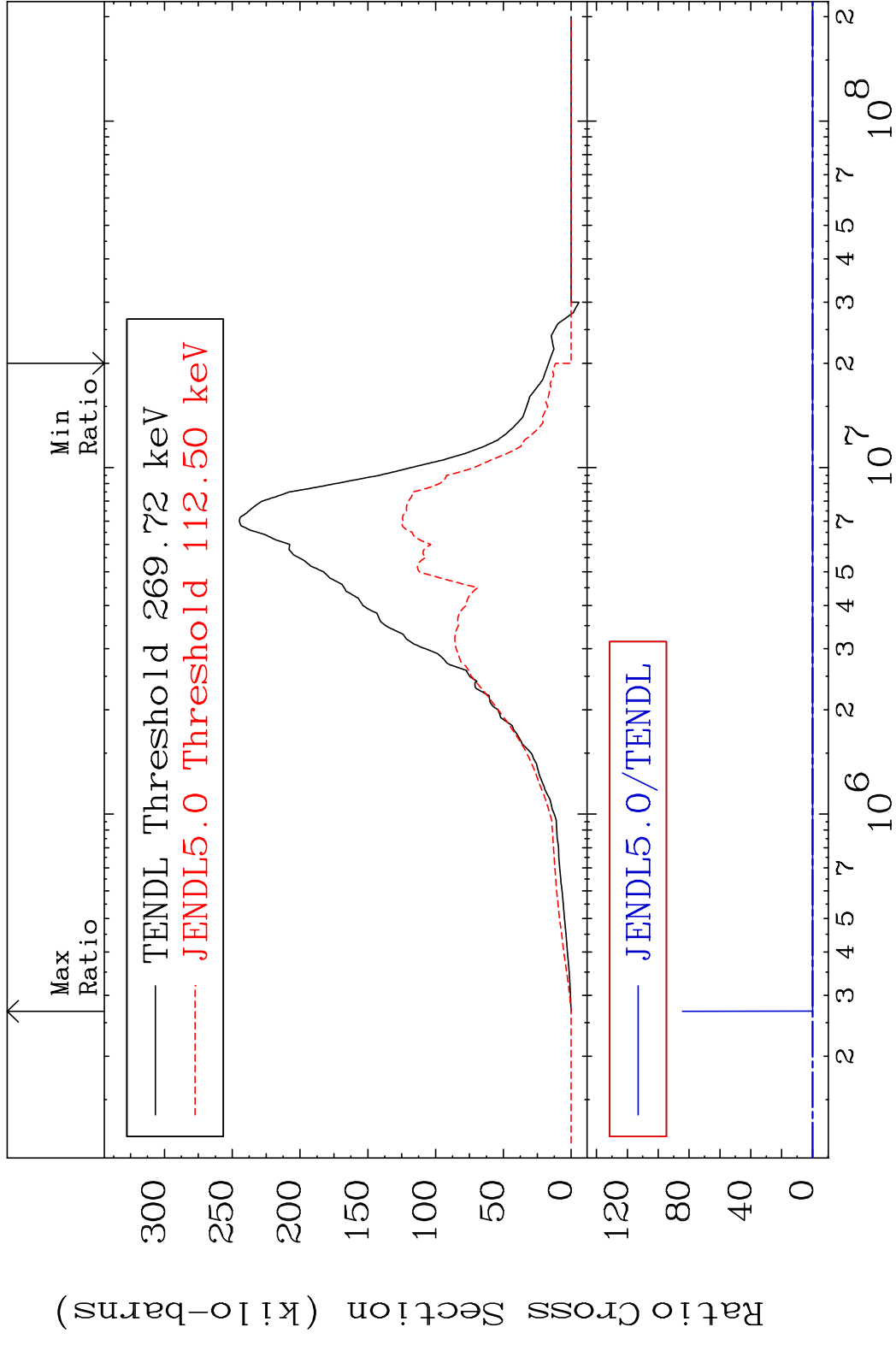
40-Zr-93

MAT 4034 Kerma non-elastic (all but mt2) 40-Zr-93
 Cross Section -100.0 To 9999. %

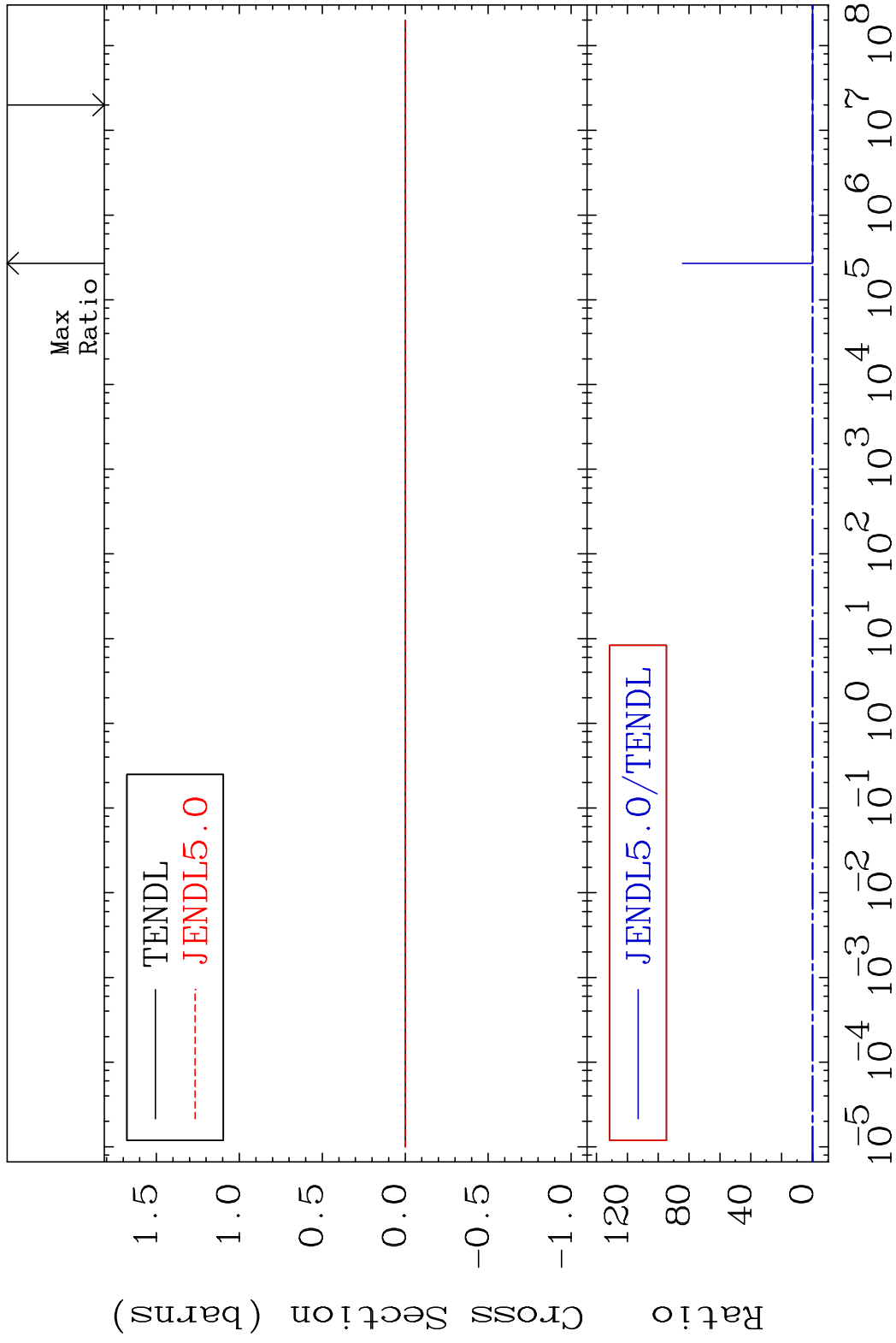


55 Incident Energy (eV) 40-Zr-93

MAT 4034 Kerma inelastic (mt51-91) 40-Zr-93
 Cross Section -100.0 To 9999. %



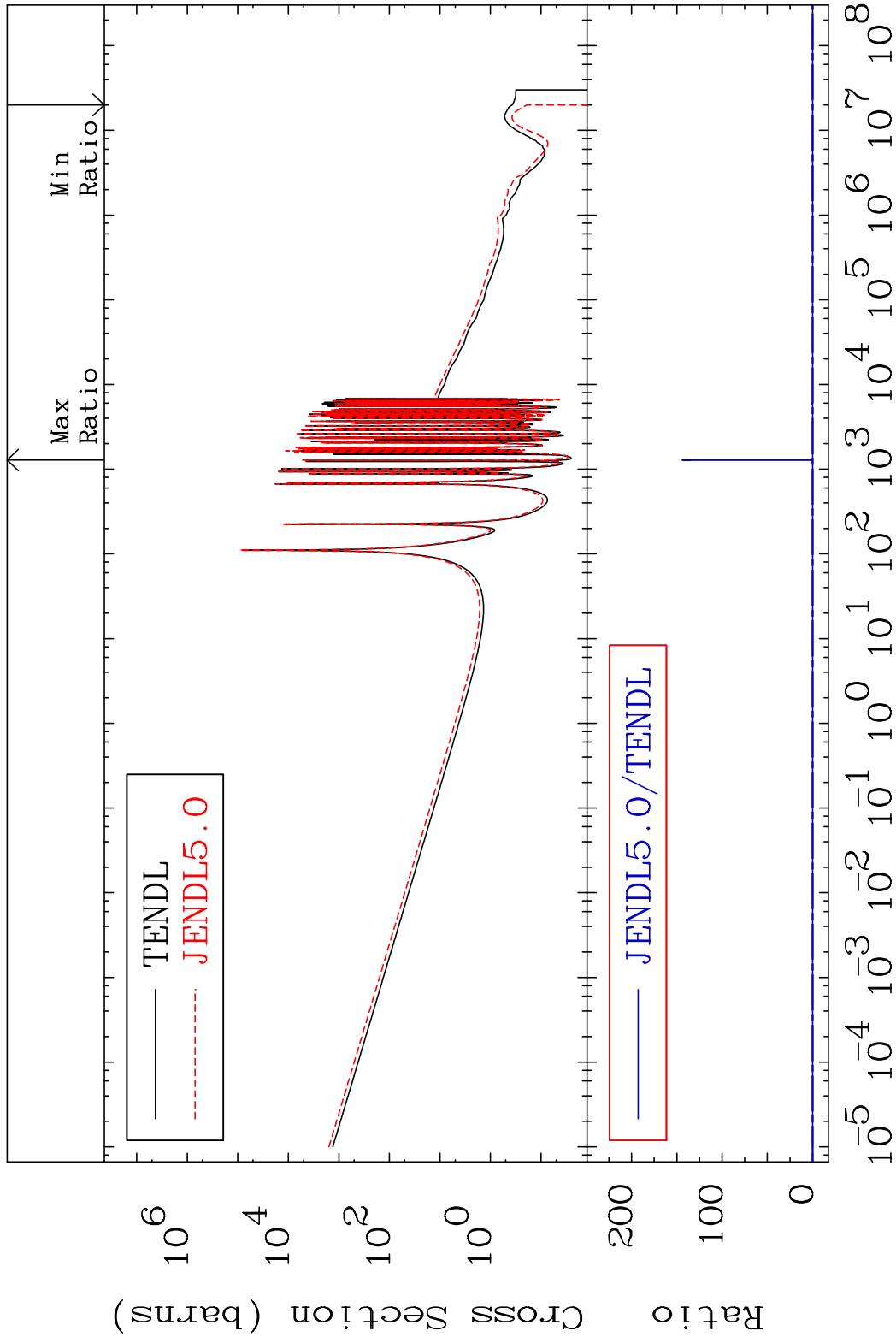
MAT 4034 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-93
 Cross Section -100.0 To 9999. %



MAT 4034

Kerma capture (mt102) 40-Zr-93

Cross Section -100.0 To 9999. %

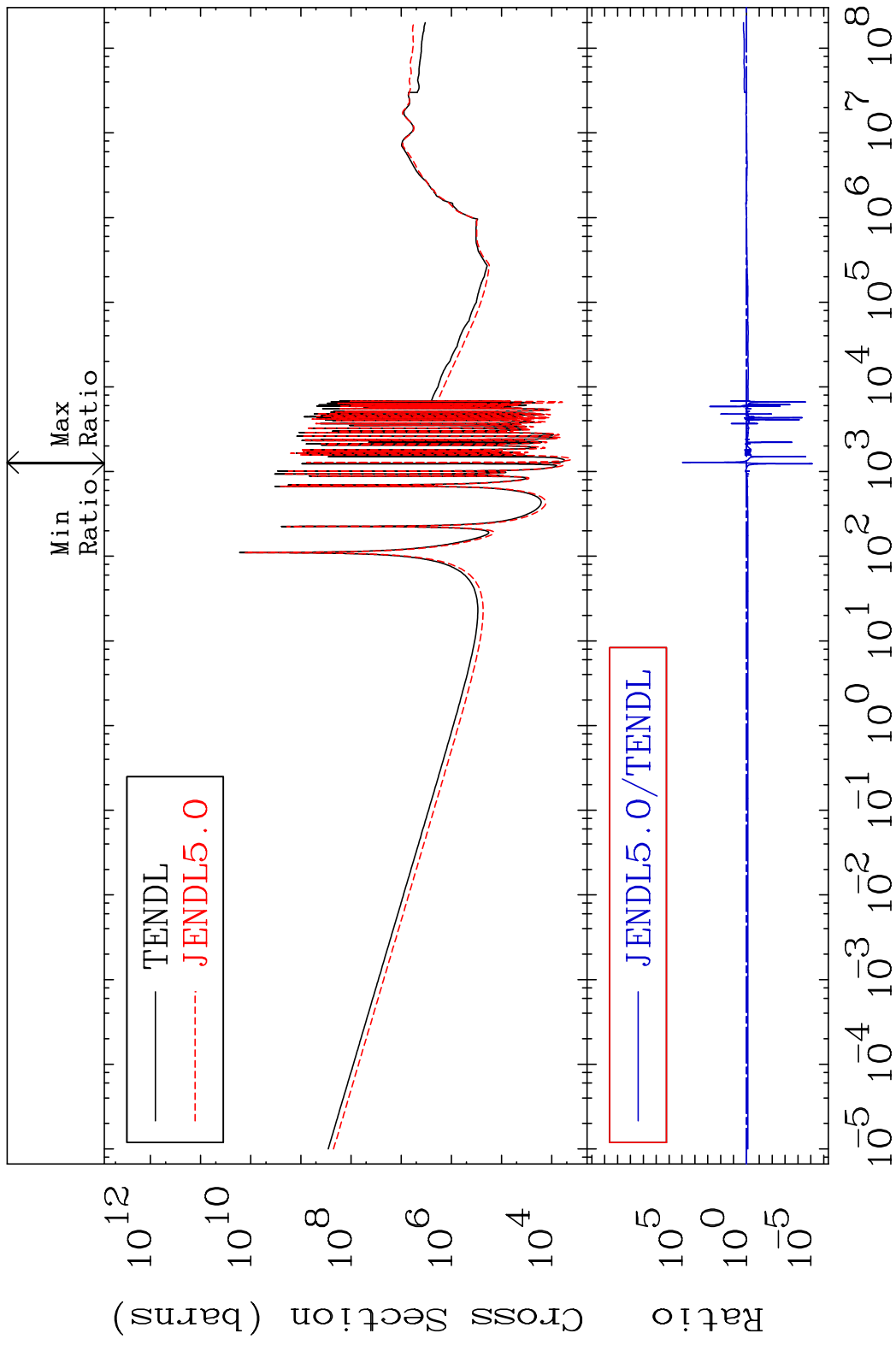


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Incident Energy (eV)

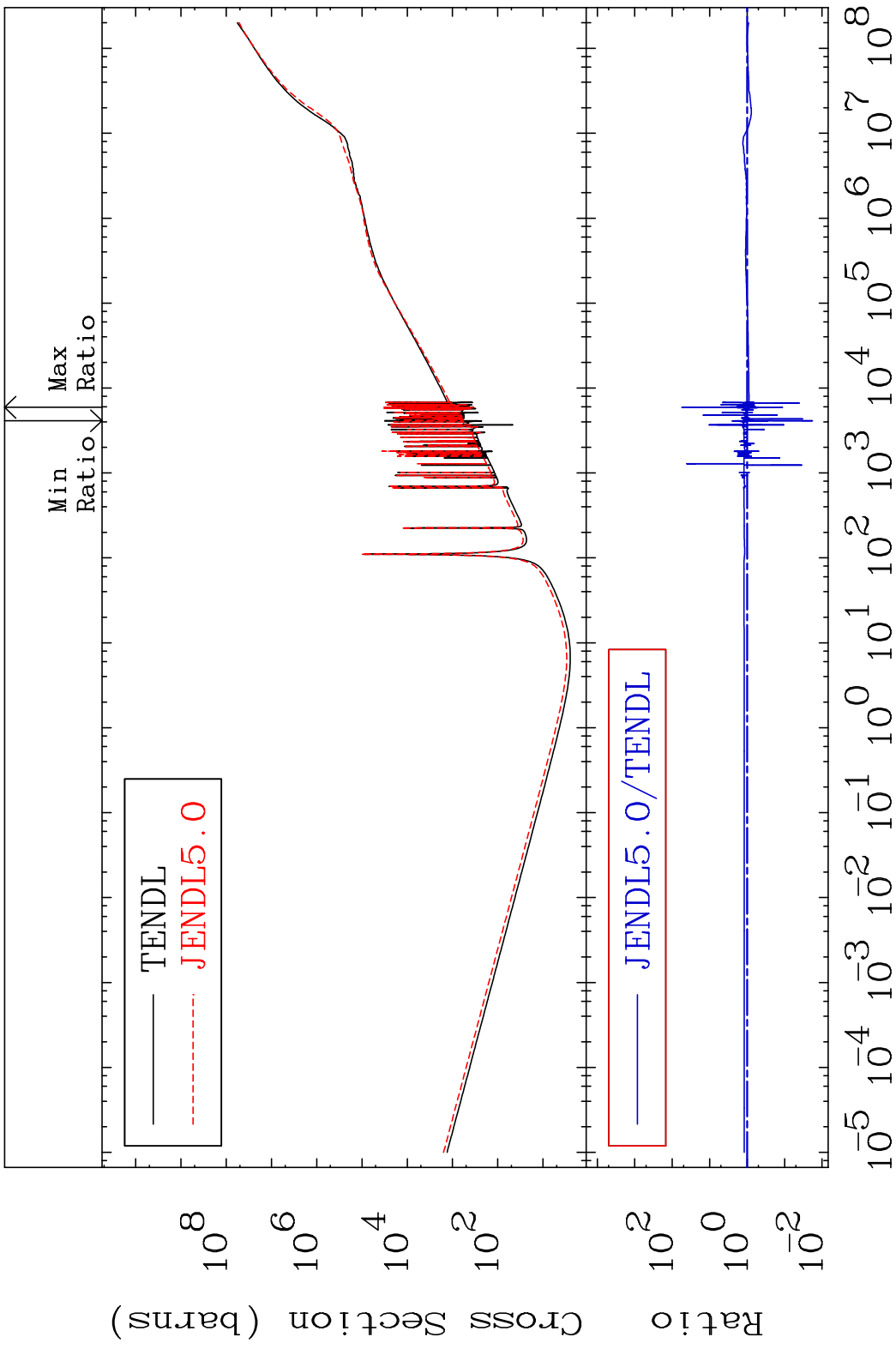
40-Zr-93

MAT 4034 Total photon (eV-barns) 40-Zr-93
Cross Section -100.0 To 9999. %



59 Incident Energy (eV) 40-Zr-93

MAT 4034 Total kinematic kerma (high limit) 40-Zr-93
Cross Section -98.18 To 5471. %

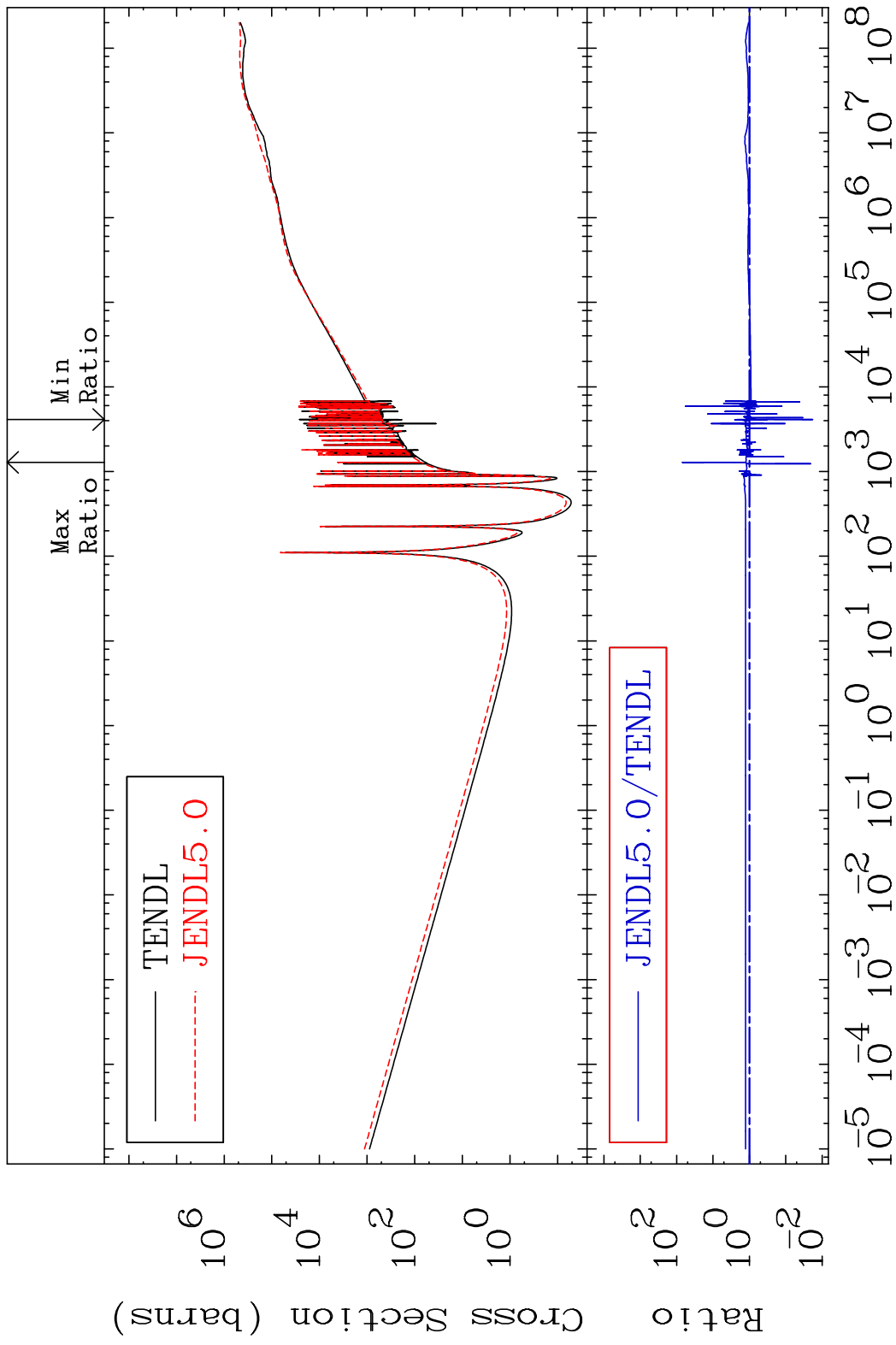


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Incident Energy (eV)

40-Zr-93

MAT 4034 Dpa total (eV-barns) 40-Zr-93
 Cross Section -98.17 To 6854. %



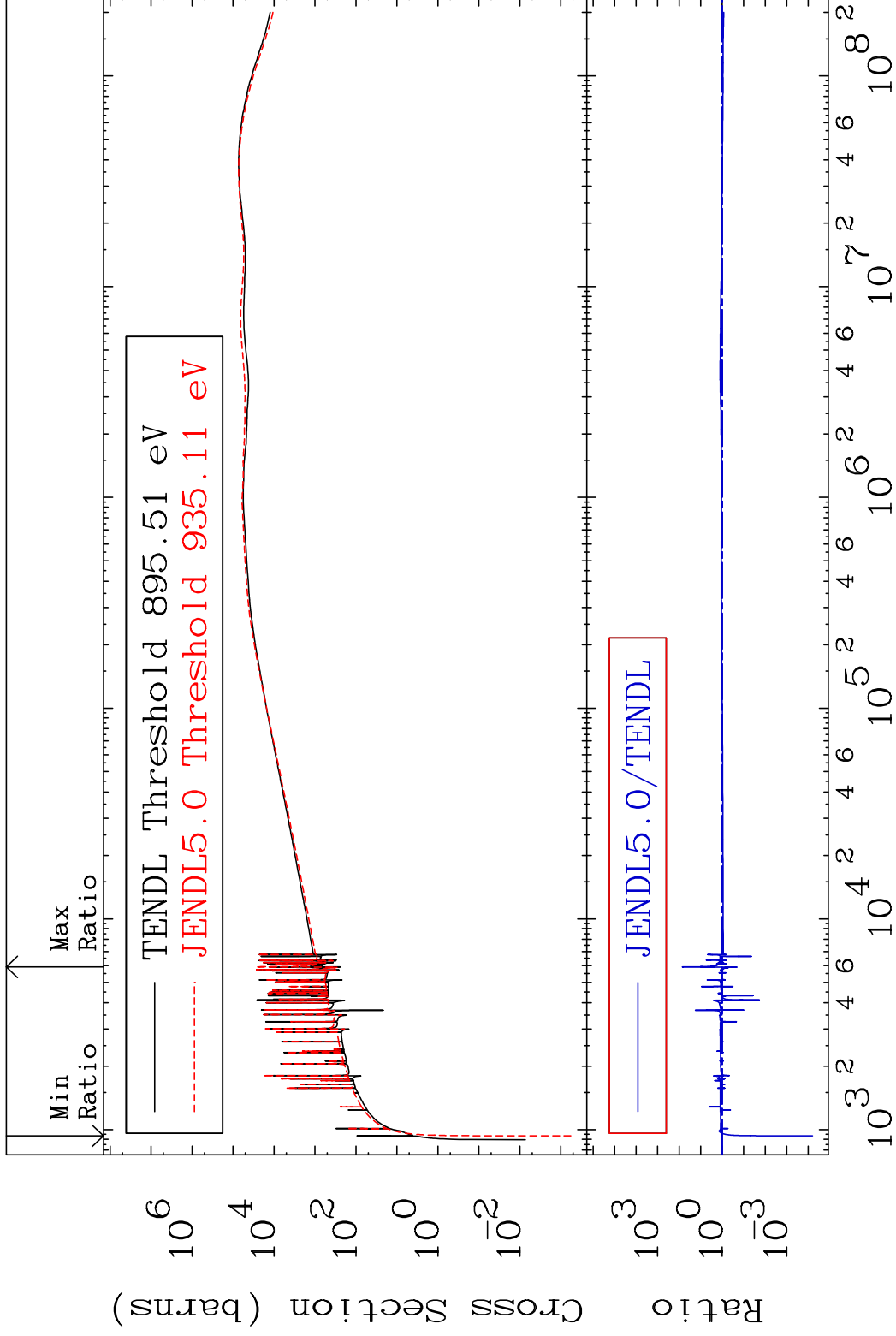
61 Incident Energy (eV) 40-Zr-93

MAT 4034

Dpa elastic (mt2)

40-Zr-93

Cross Section -99.99 To 7136. %

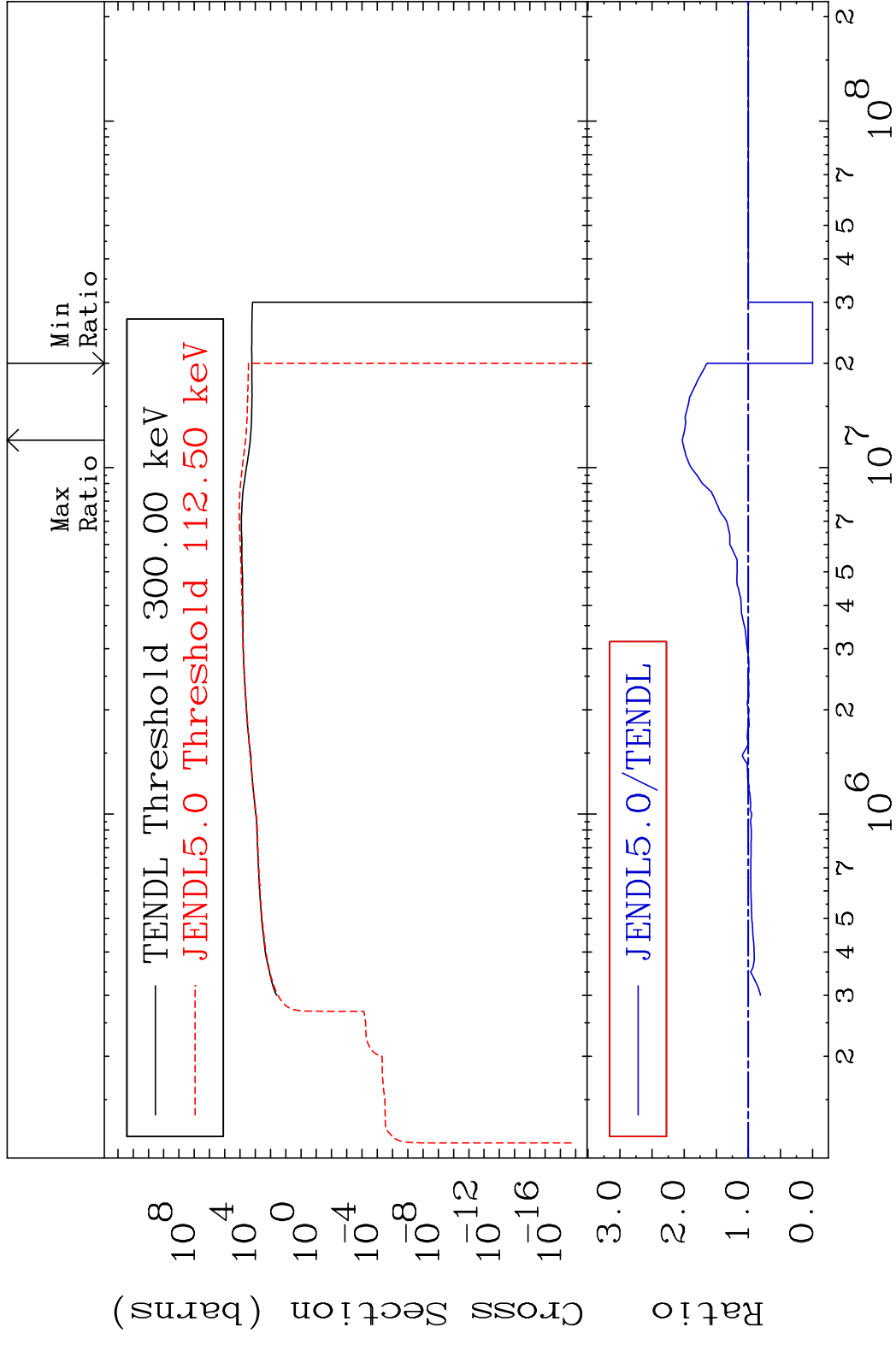


62

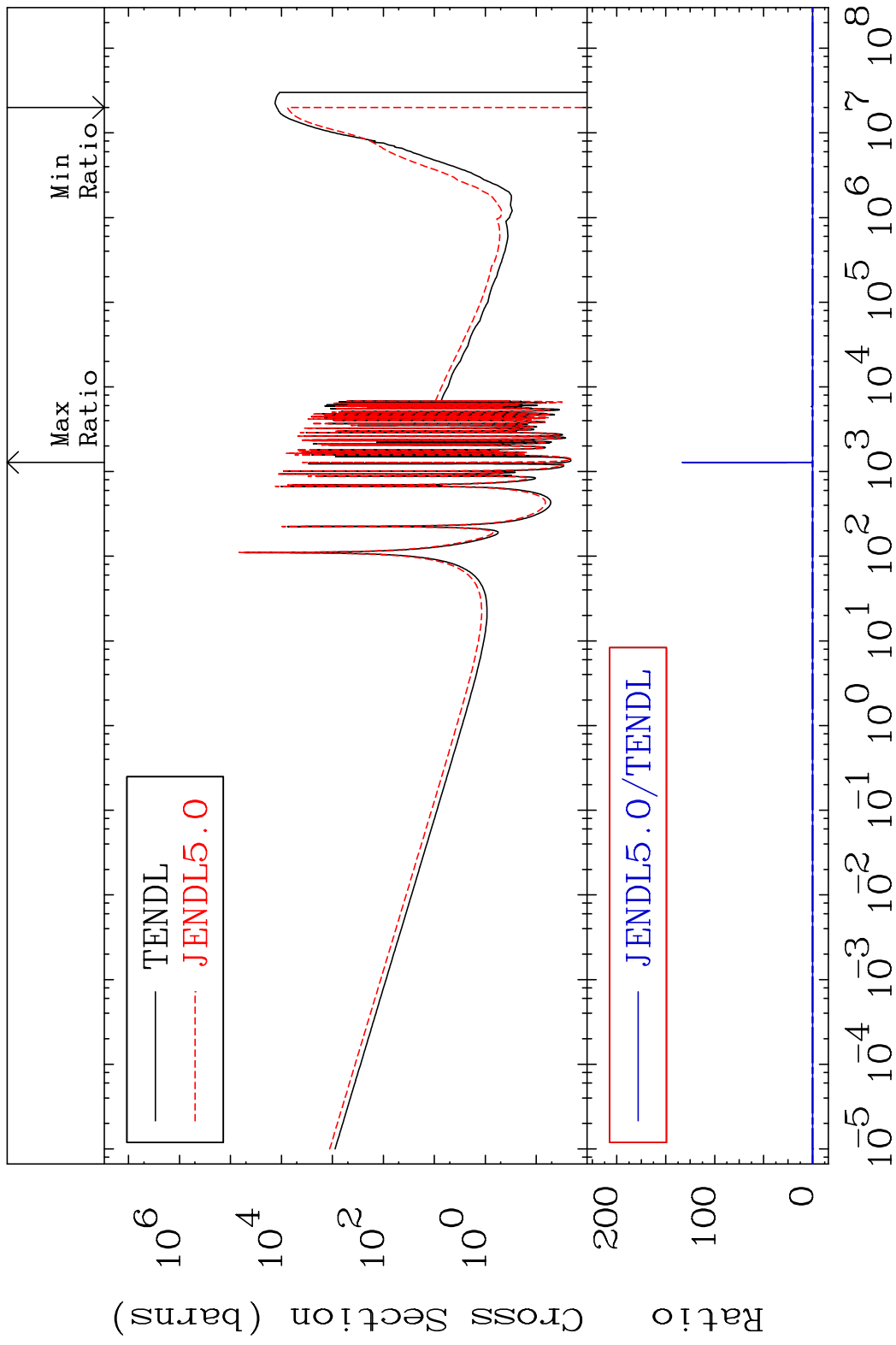
Incident Energy (eV)

40-Zr-93

MAT 4034 Dpa inelastic (mt51-91) 40-Zr-93
 Cross Section -100.0 To 102.9 %

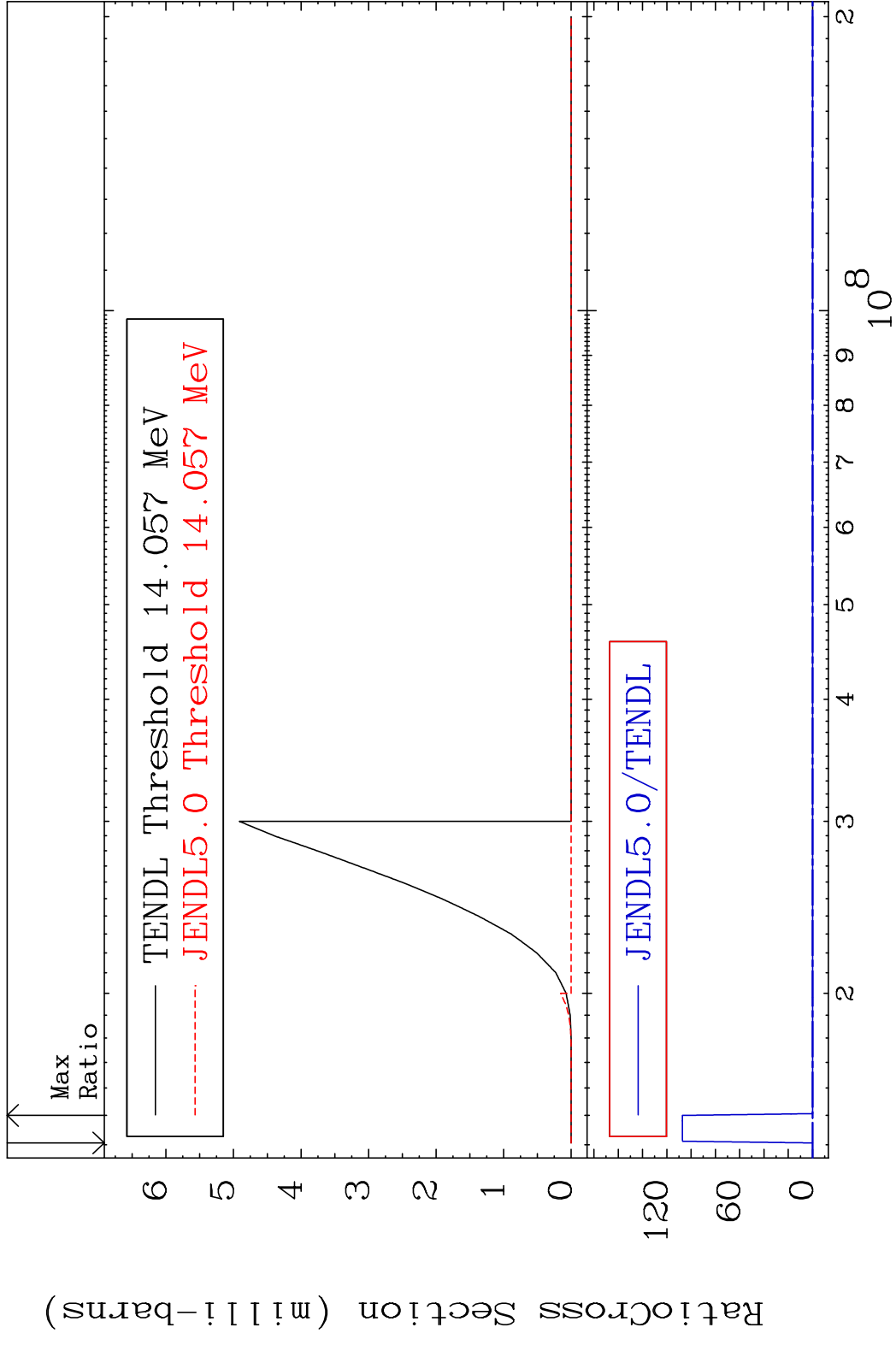


MAT 4034 Dpa disappearance (mt102 -120) 40-Zr-93
 Cross Section -100.0 To 9999. %

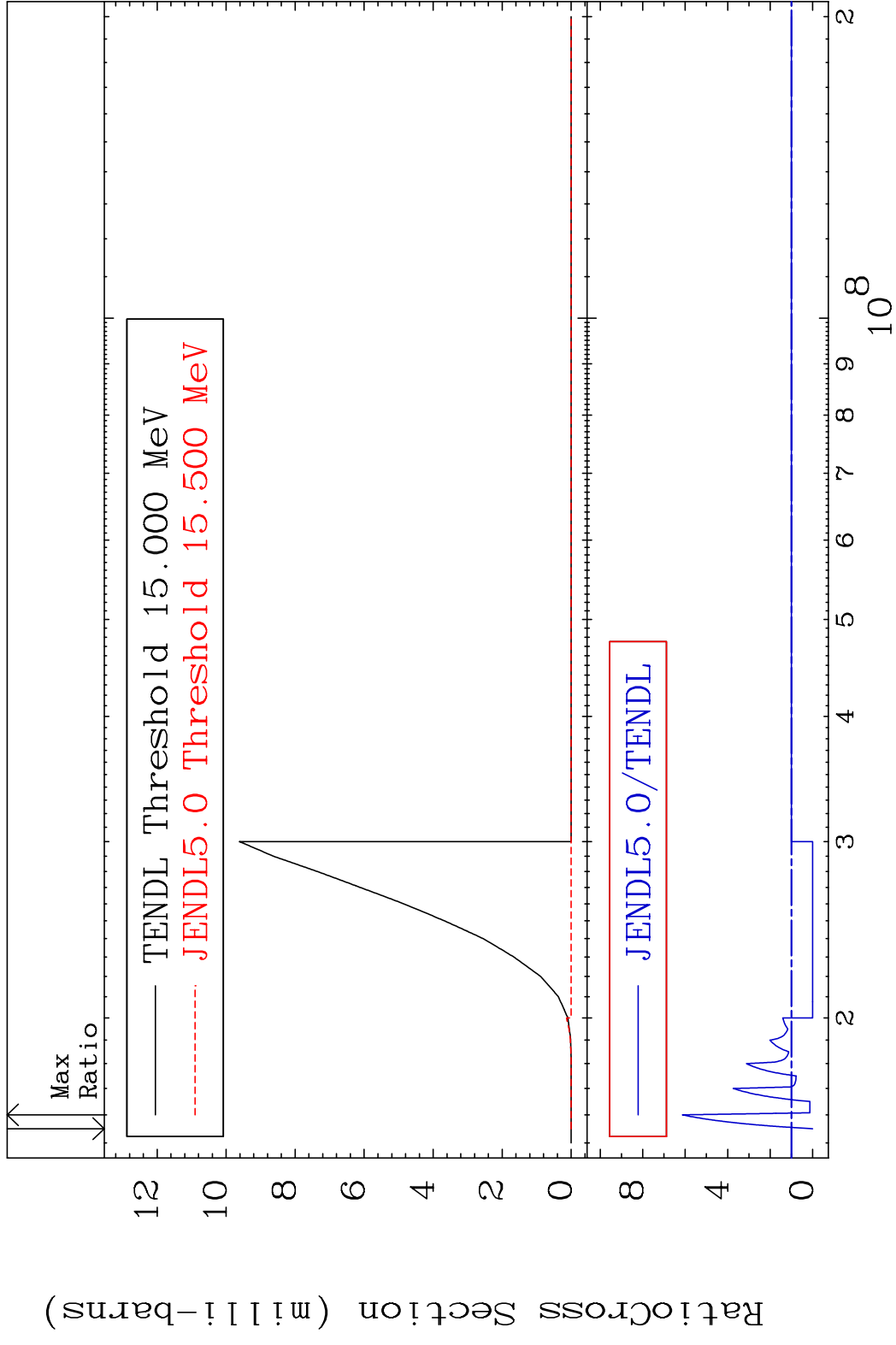


64 Incident Energy (eV) 40-Zr-93

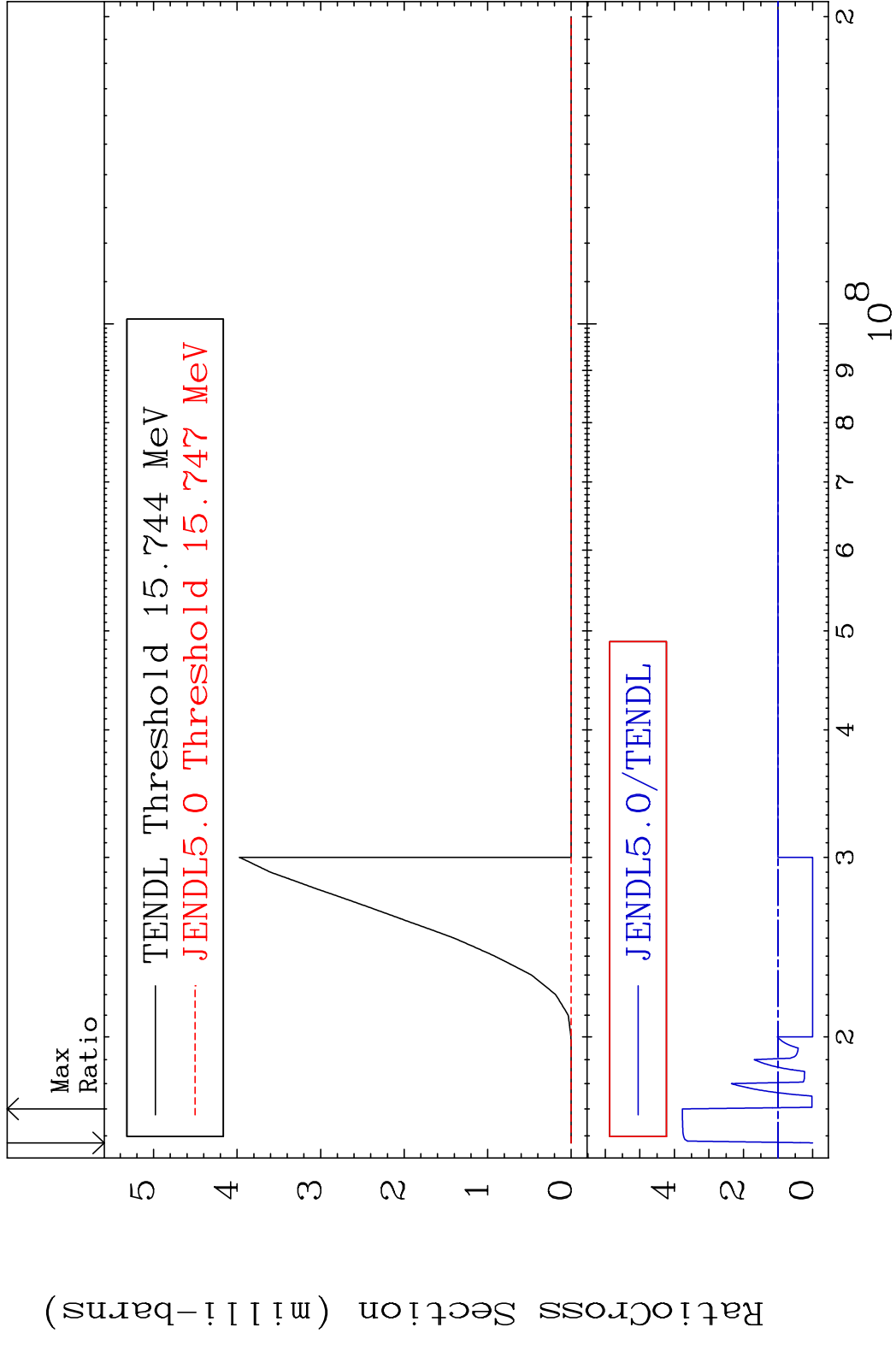
MAT 4034 (n, n') d:39-Y -91g 40-Zr-93
 Radionuclide Production Cross Section Ratio 9999. %

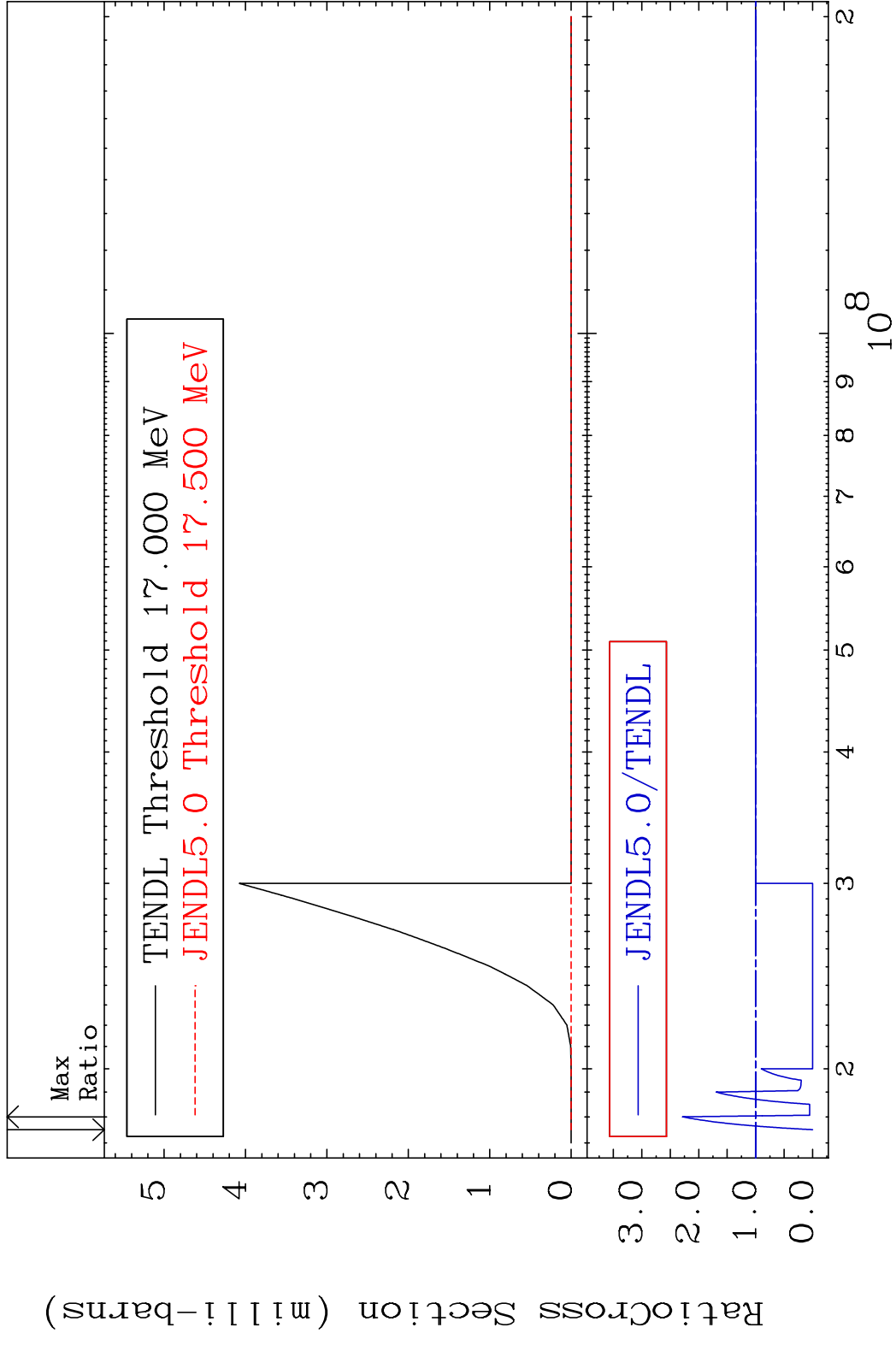


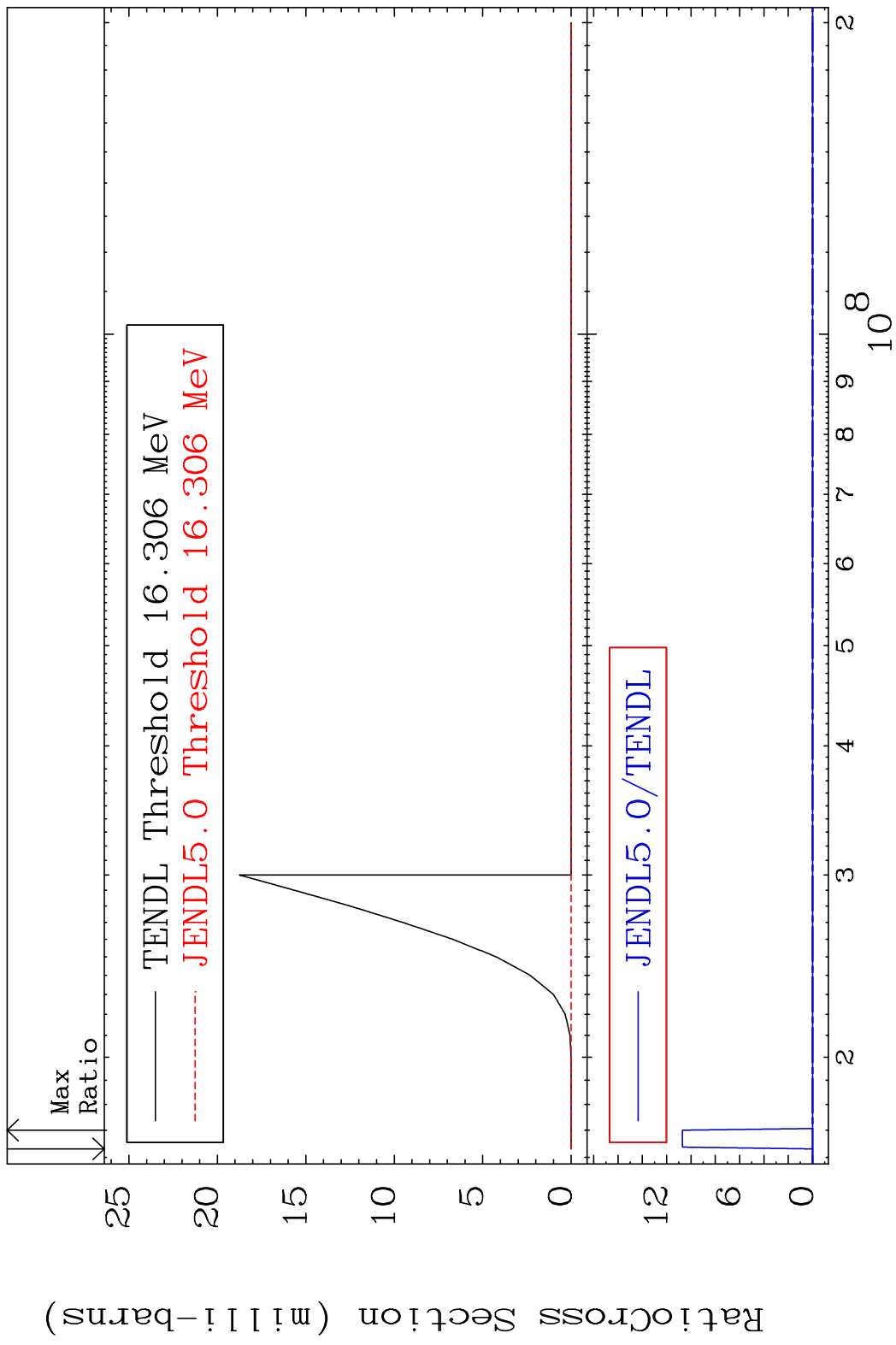
MAT 4034 (n, n') d:39-Y -91m1 40-Zr-93
 Radionuclide Production Cross Section 180.0 mb 513.5 %



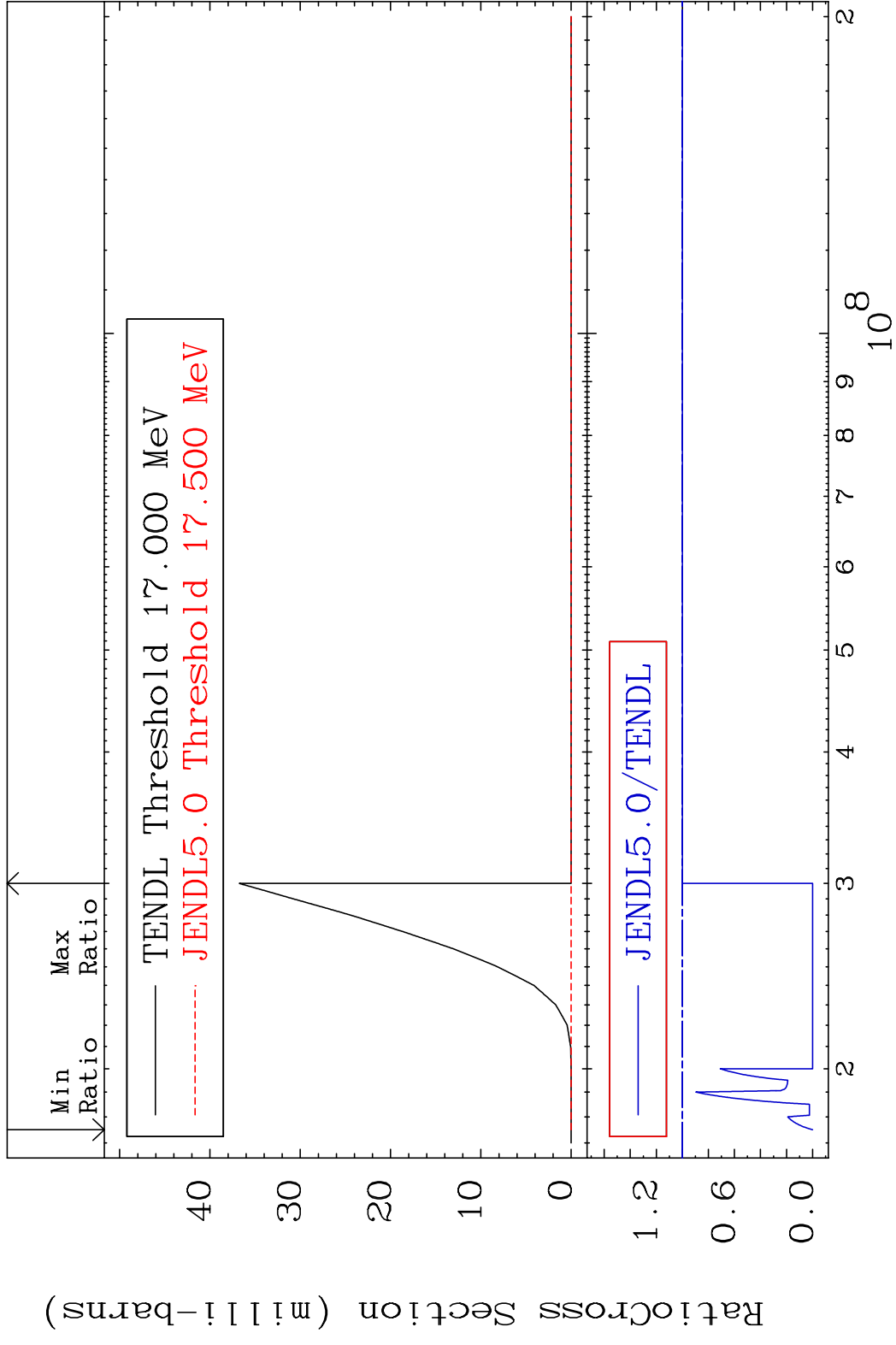
MAT 4034 (n, n') t:39-Y -90g 40-Zr-93
 Radionuclide Production Cross Section 180.0 dth 276.8 %



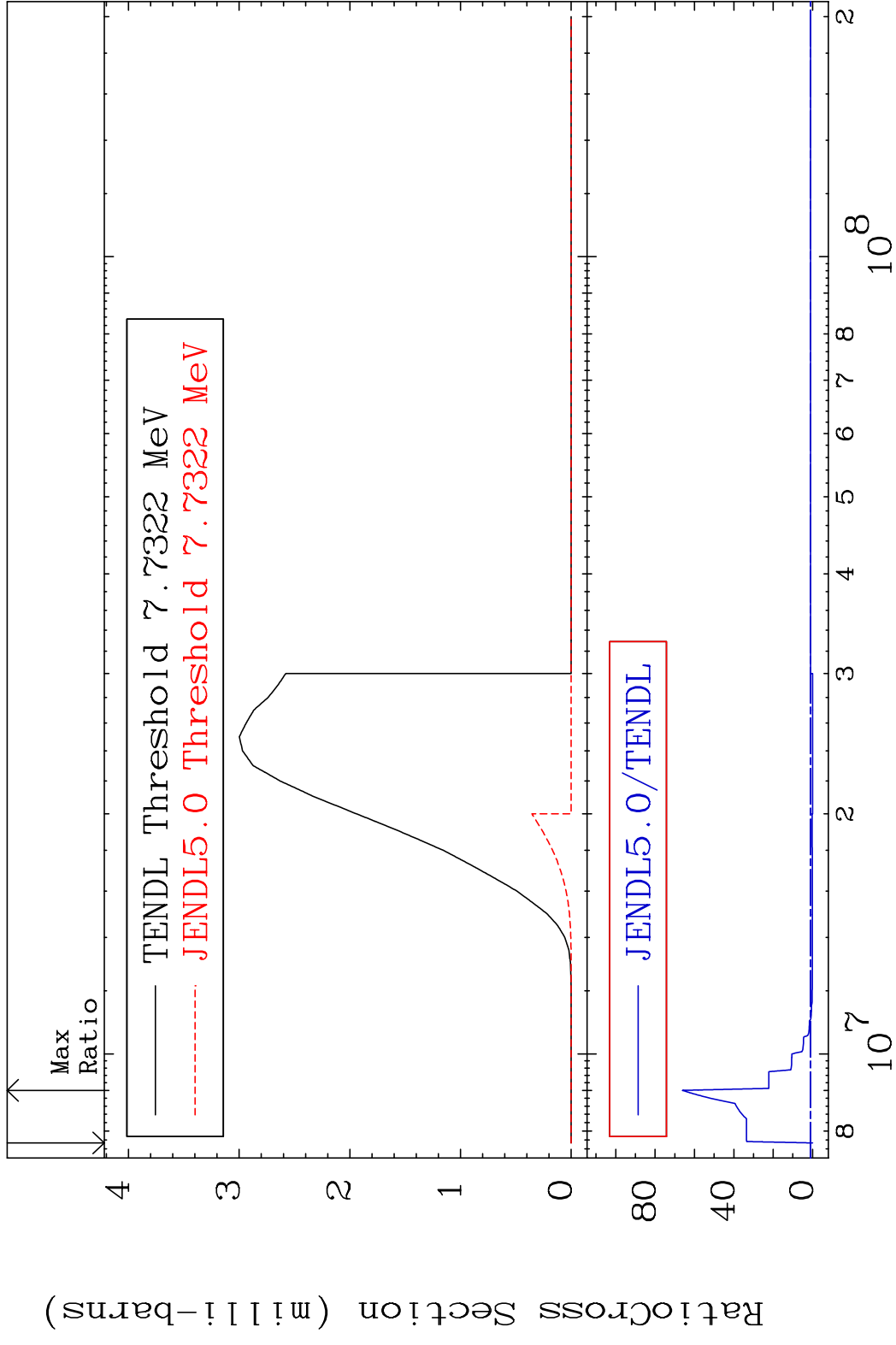




MAT 4034 (n,2n) p:39-Y -91m1 40-Zr-93
 Radionuclide Production Cross Section Ratio 0.000 %



MAT 4034 (n, t):39-Y -91g 40-Zr-93
 Radionuclide Production Cross Section 6515. %



MAT 4034 (n,t):39-Y -91m1 40-Zr-93
 Radionuclide Production Cross Section 0.000 %

