

Program Complot
(Version 2021-1)

by

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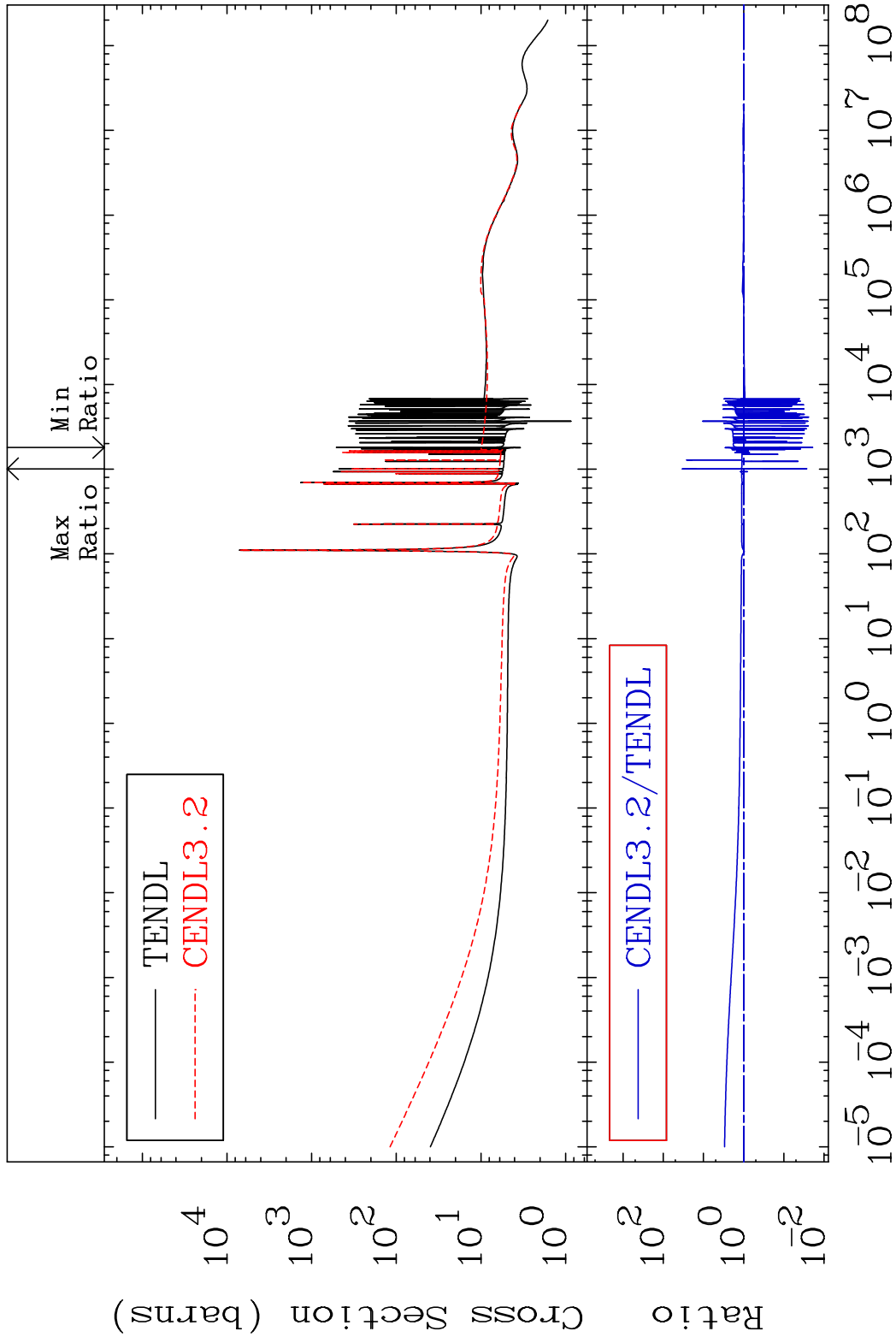
Press Mouse Button to Start

MAT 4034

Total

40-Zr-93

Cross Section -98.07 To 3255. %



1

Incident Energy (eV)

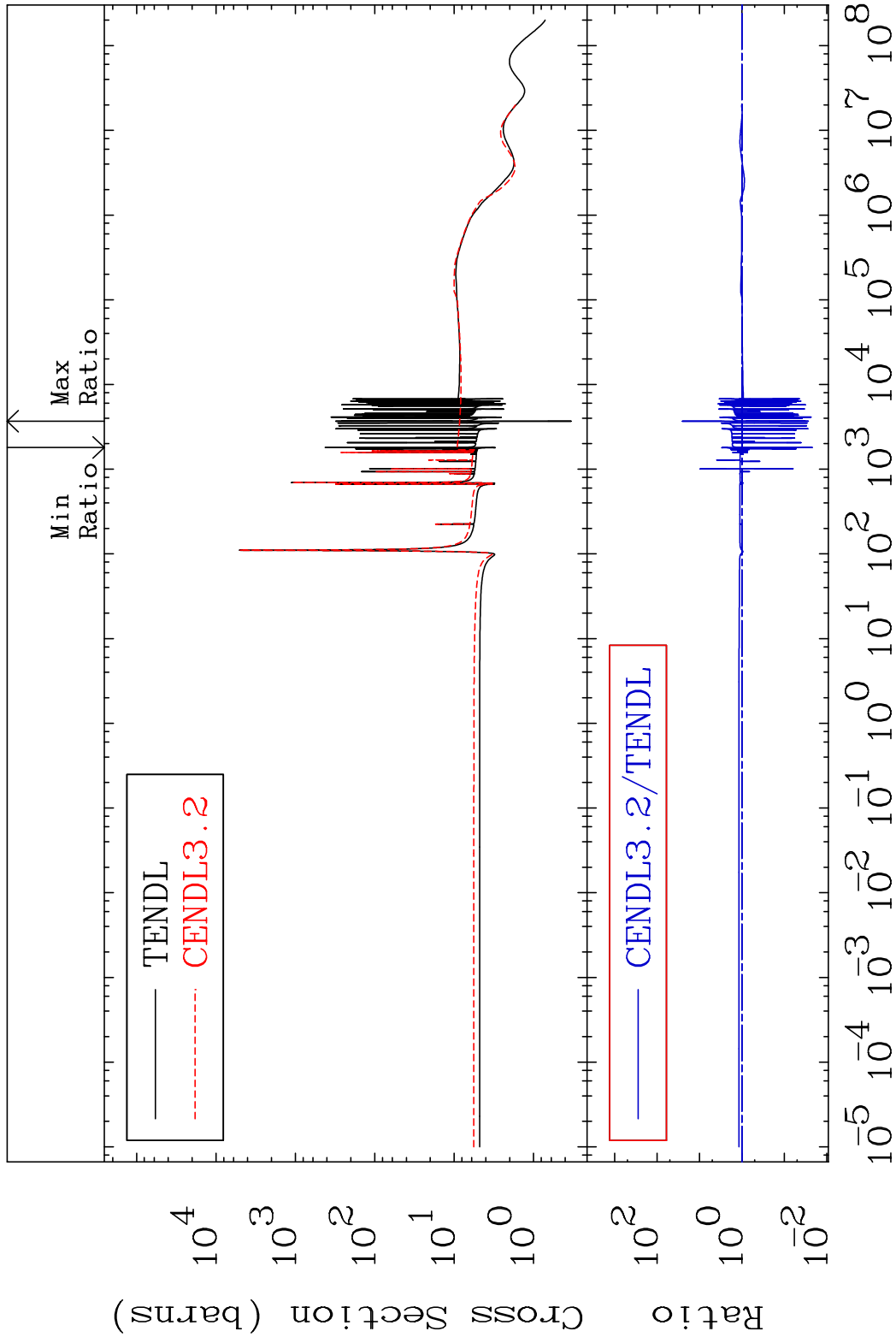
40-Zr-93

MAT 4034

Elastic

40-Zr-93

Cross Section -97.83 To 2439. %



2

Incident Energy (eV)

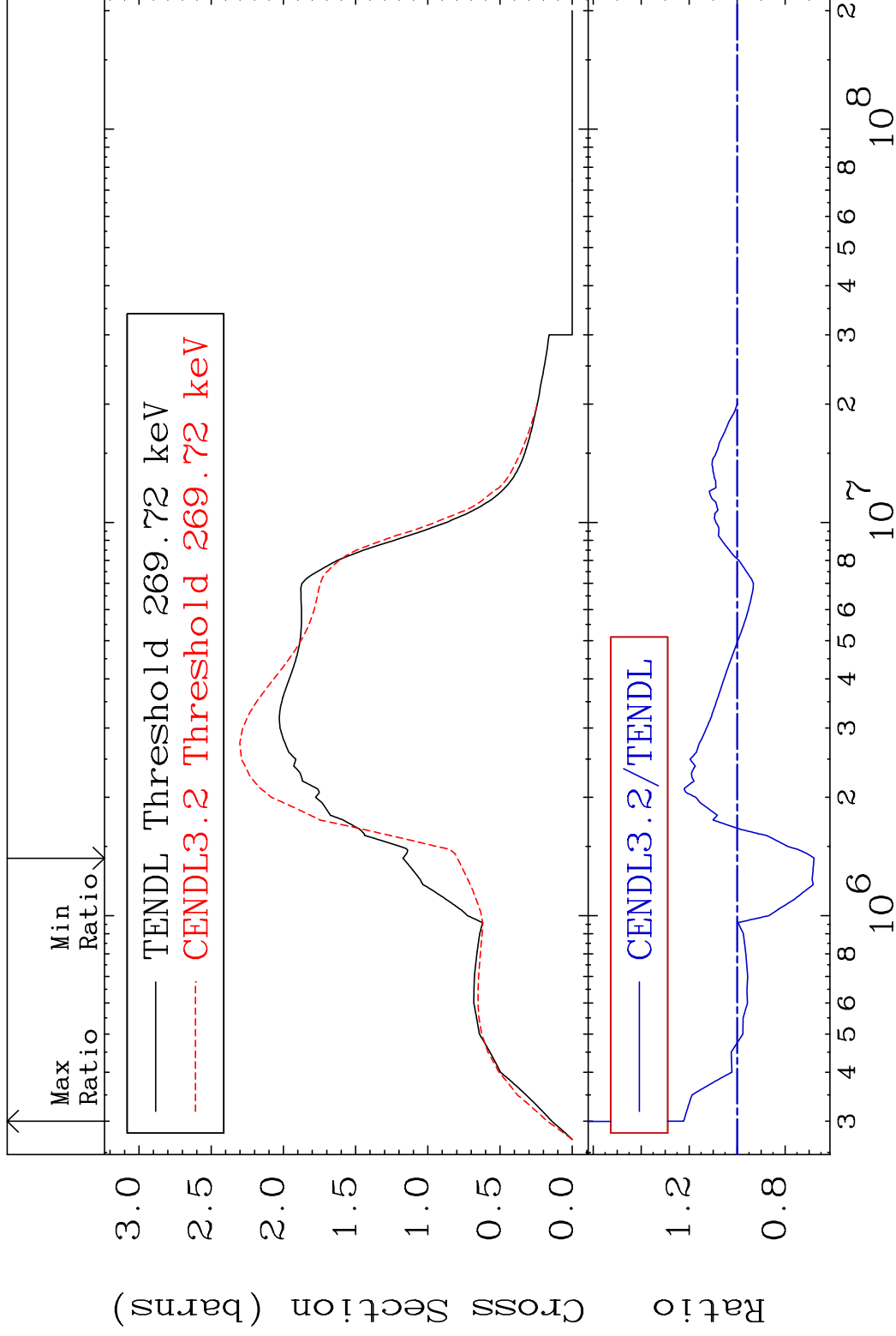
40-Zr-93

MAT 4034

Inelastic

40-Zr-93

Cross Section -32.08 To 22.28 %



3

Incident Energy (eV)

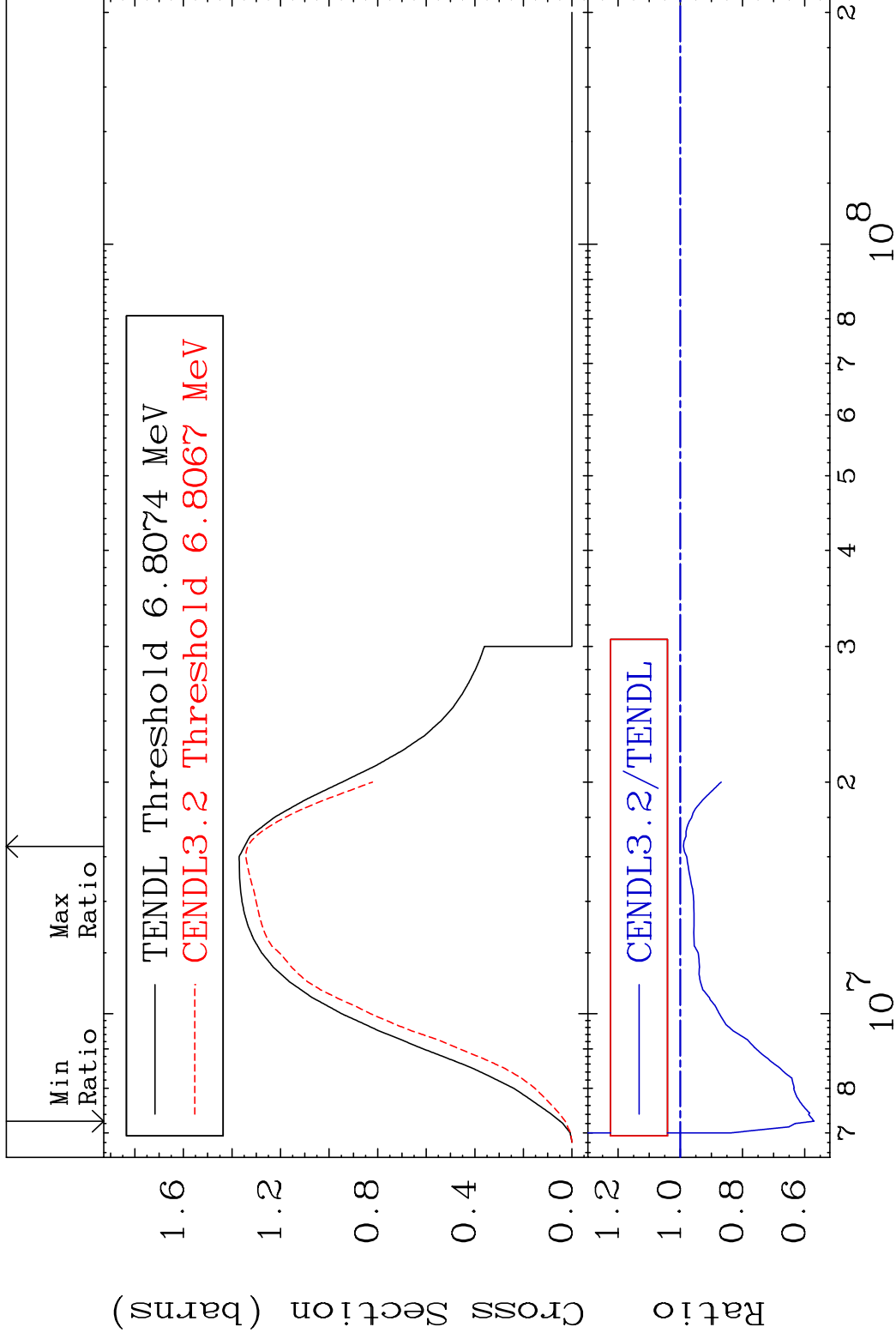
40-Zr-93

MAT 4034

(n,2n)

40-Zr-93

Cross Section -42.97 To -0.995%

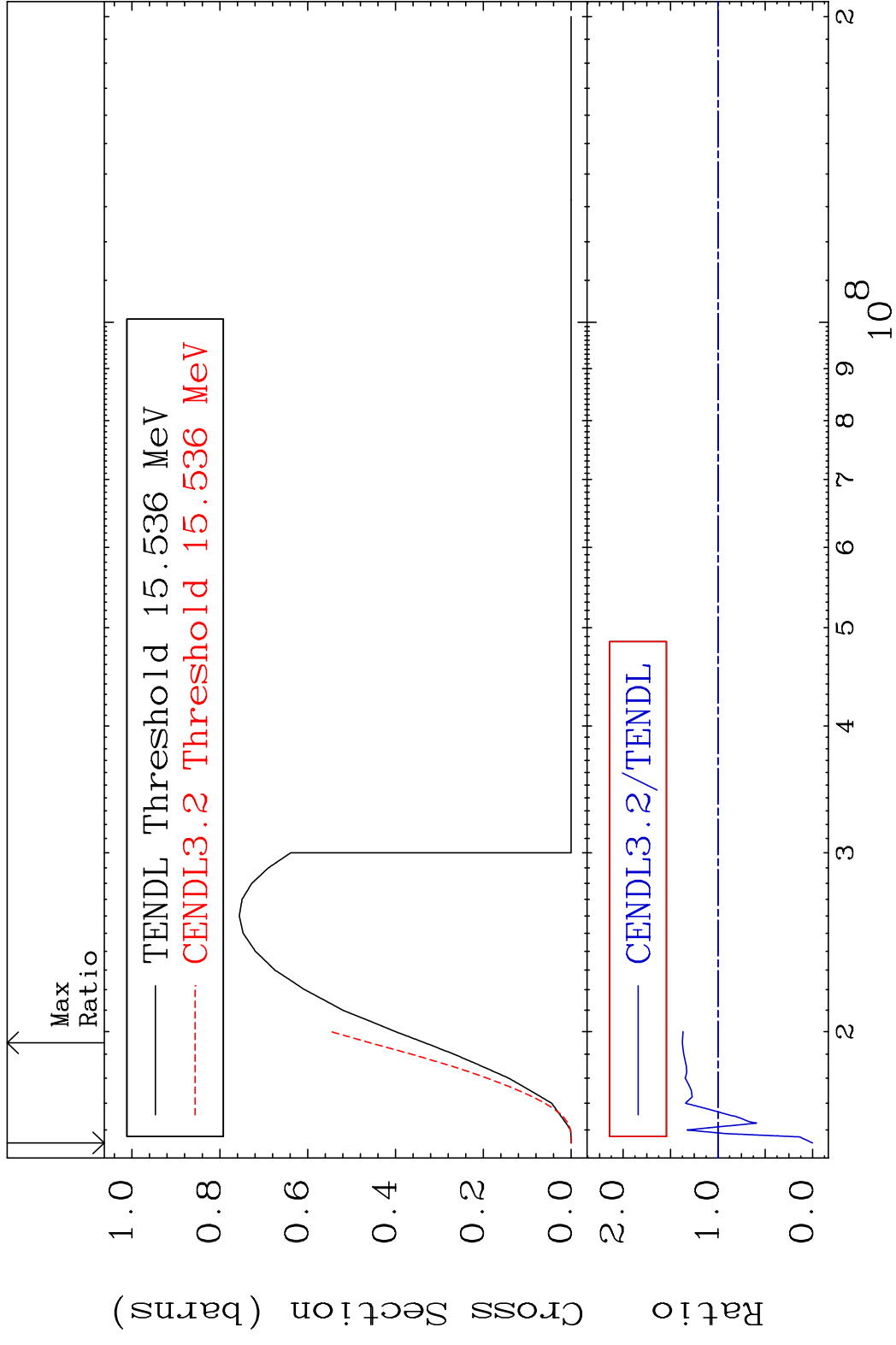


4

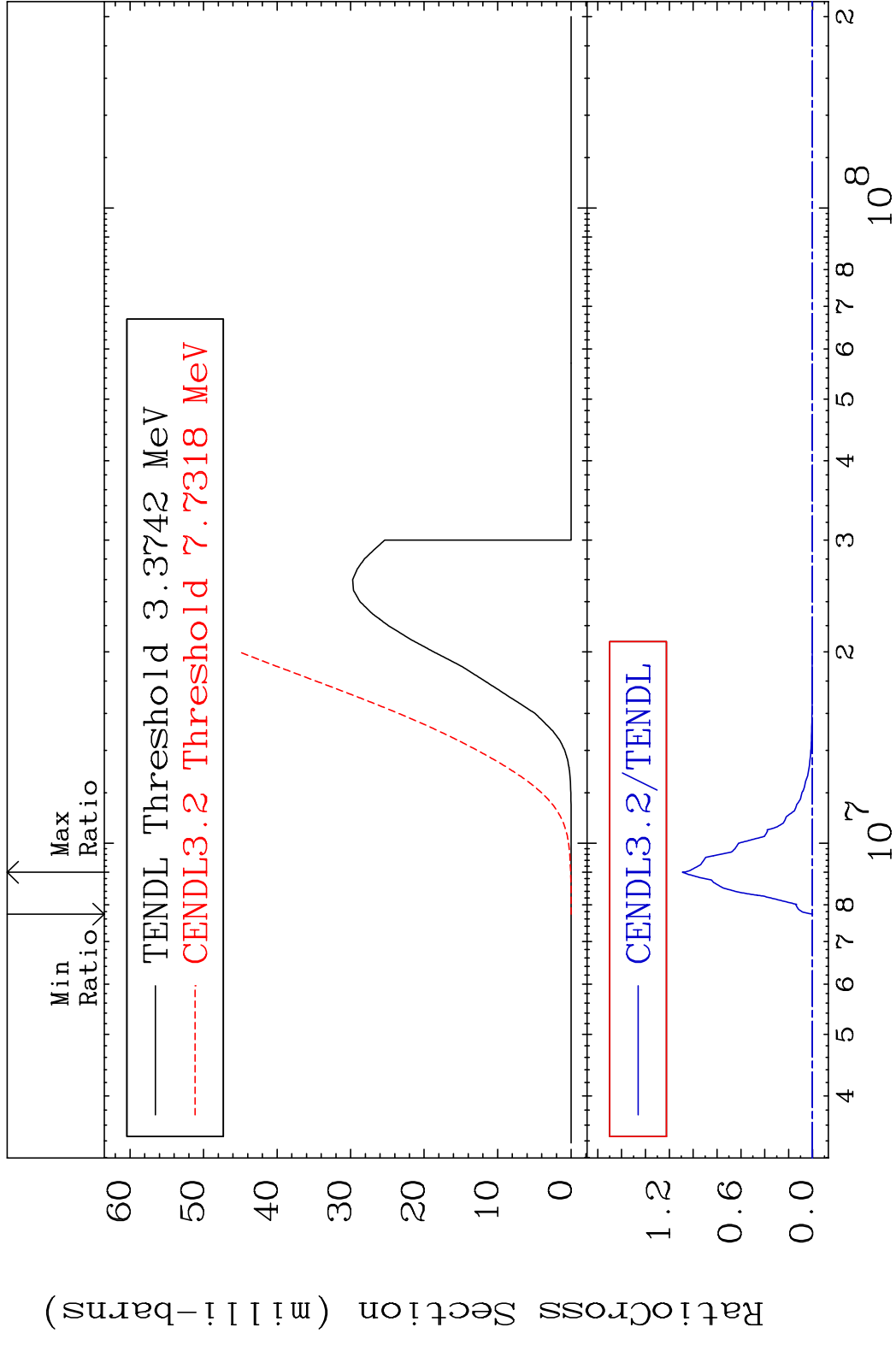
Incident Energy (eV)

40-Zr-93

MAT 4034 (n,3n) 40-Zr-93
 Cross Section -100.0 To 37.51 %

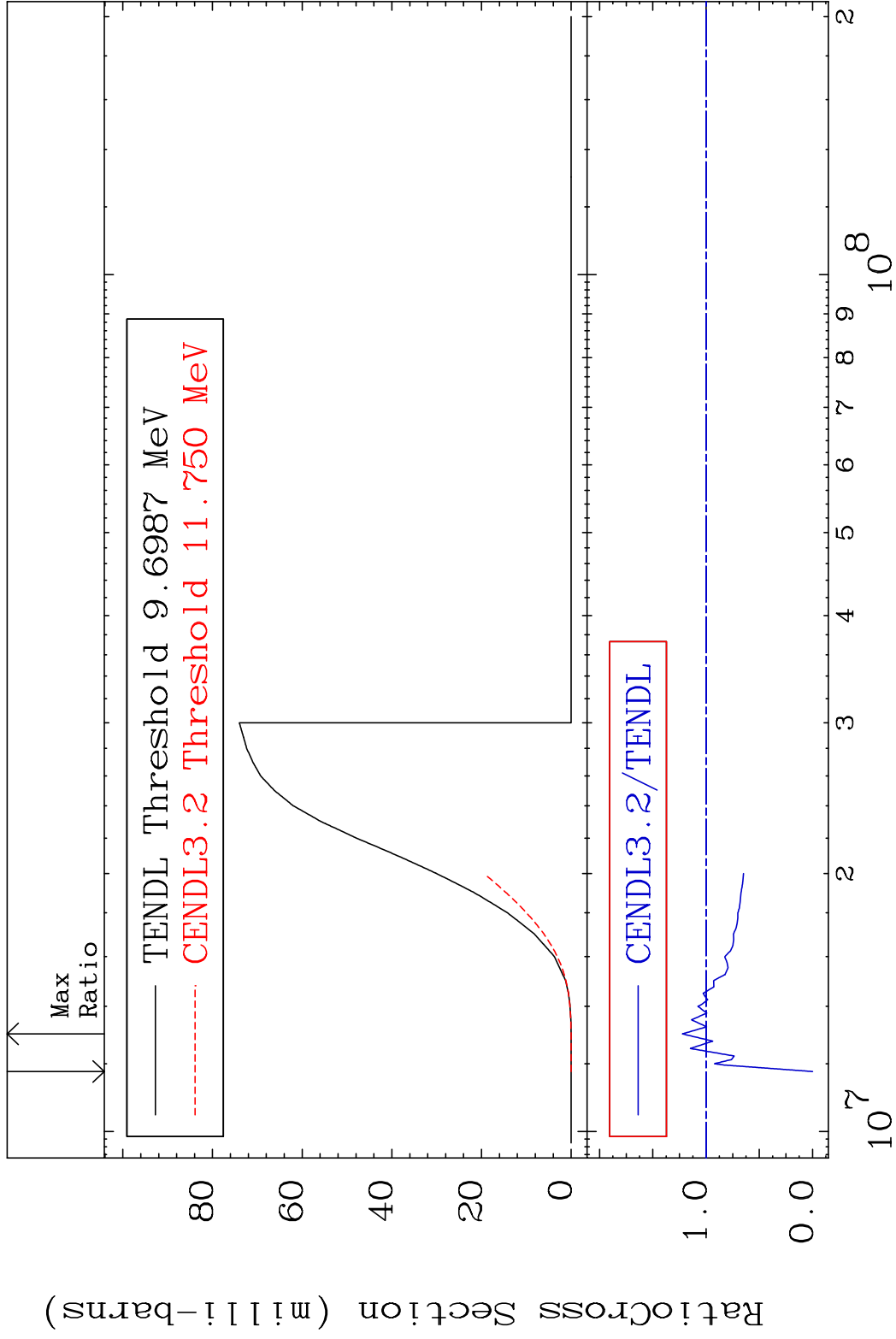


MAT 4034 (n, n') α 40-Zr-93
 Cross Section -100.0 To 9999. %



MAT 4034

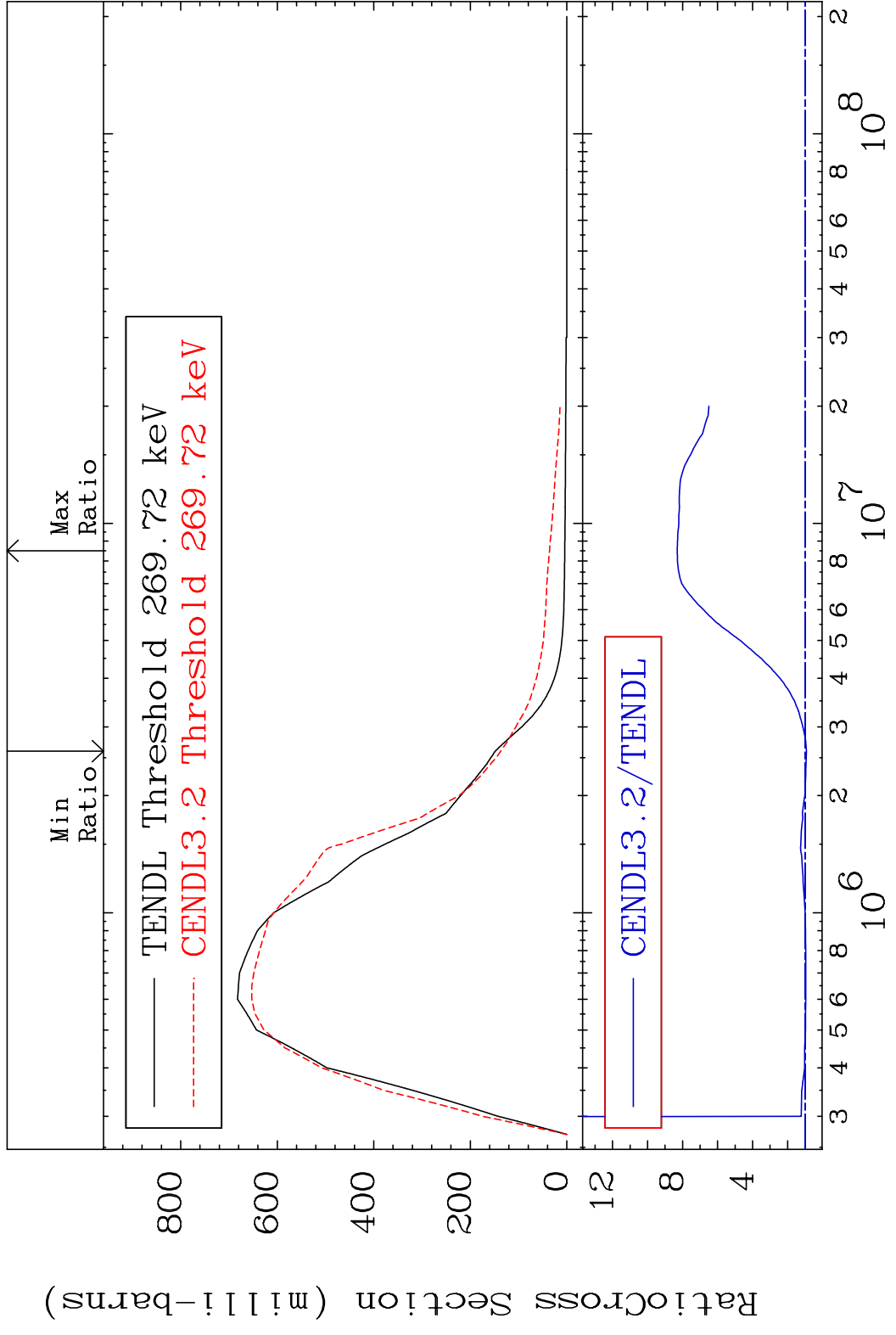
(n, n') p 40-Zr-93
Cross Section -100.0 To 22.28 %



7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

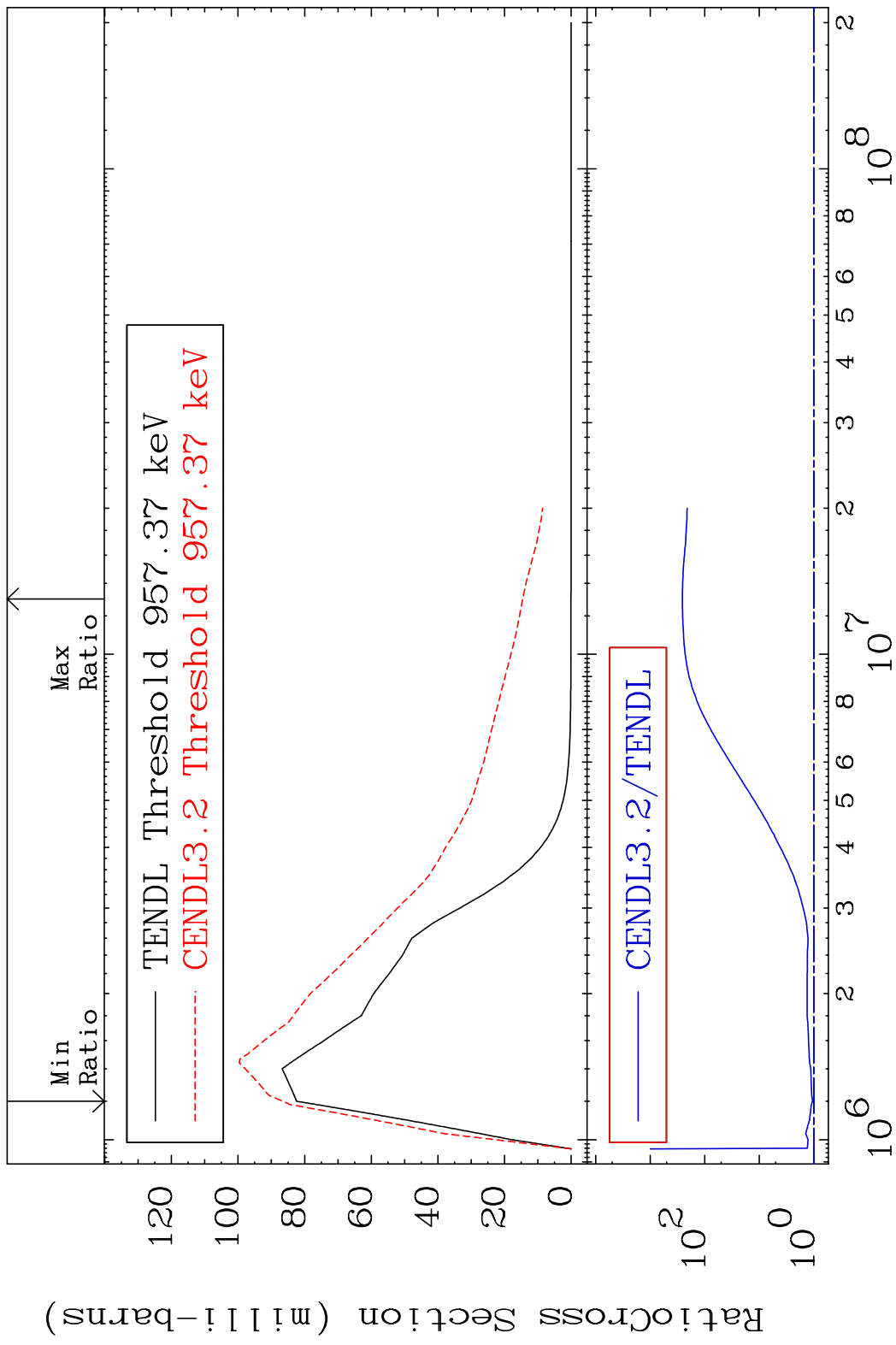
40-Zr-93

MAT 4034 MT= 51 (n, n') Level 40-Zr-93
 Cross Section -7.524 To 730.9 %



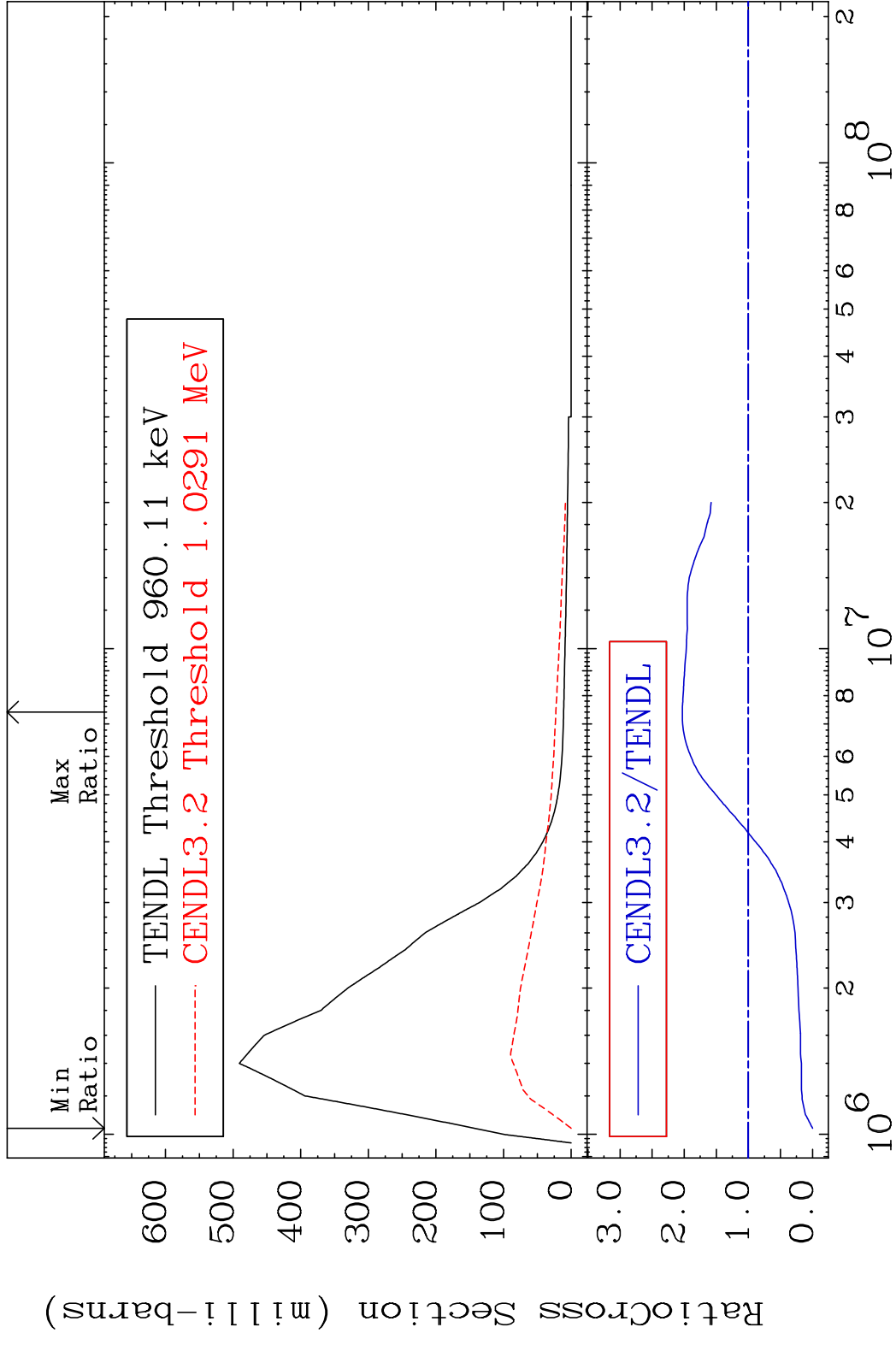
8 Incident Energy (eV) 40-Zr-93

MAT 4034 MT= 52 (n, n') Level 40-Zr-93
 Cross Section 5.060 To 9999. %

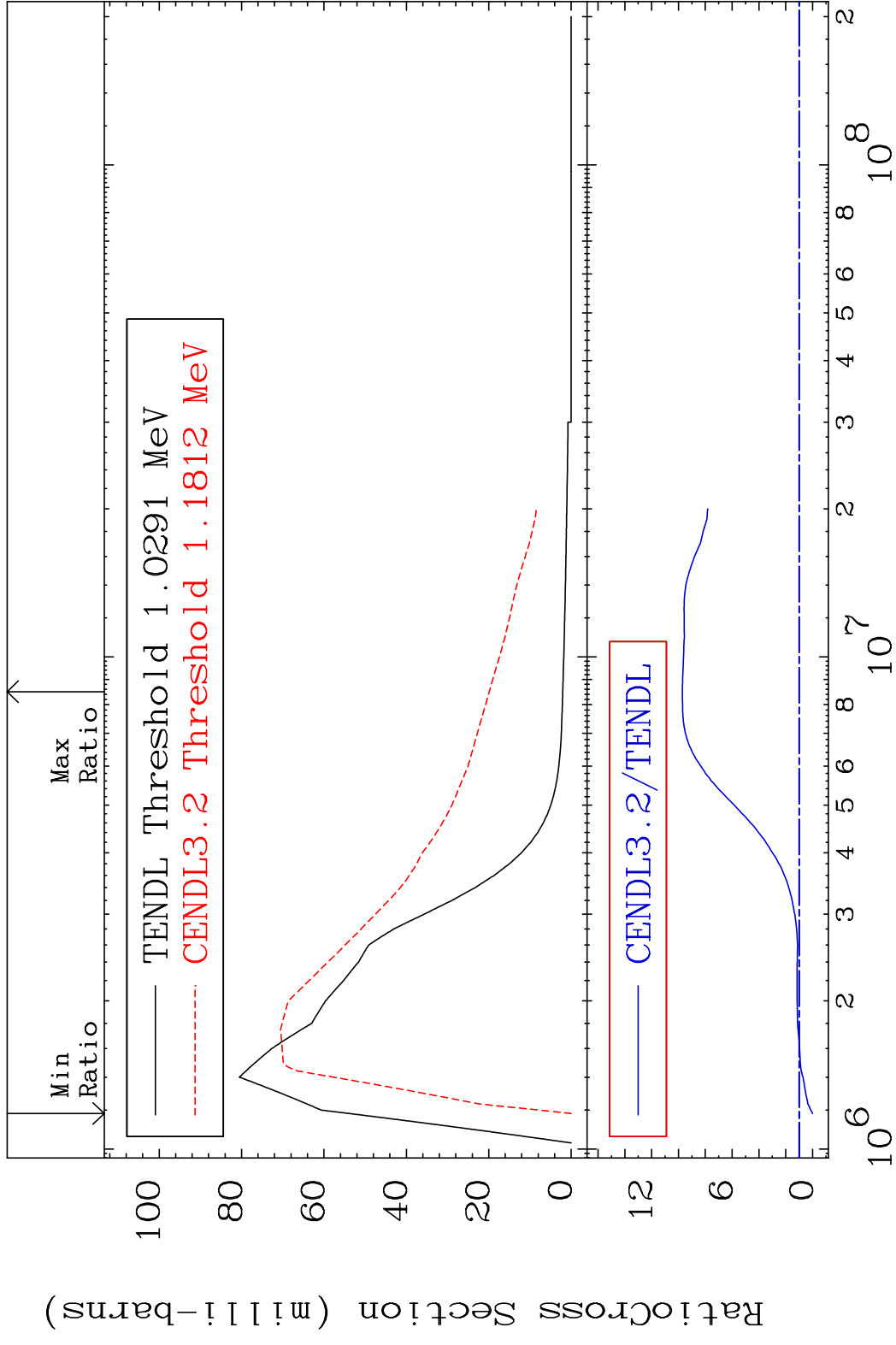


9 Incident Energy (eV) 40-Zr-93

MAT 4034 MT= 53 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 102.9 %

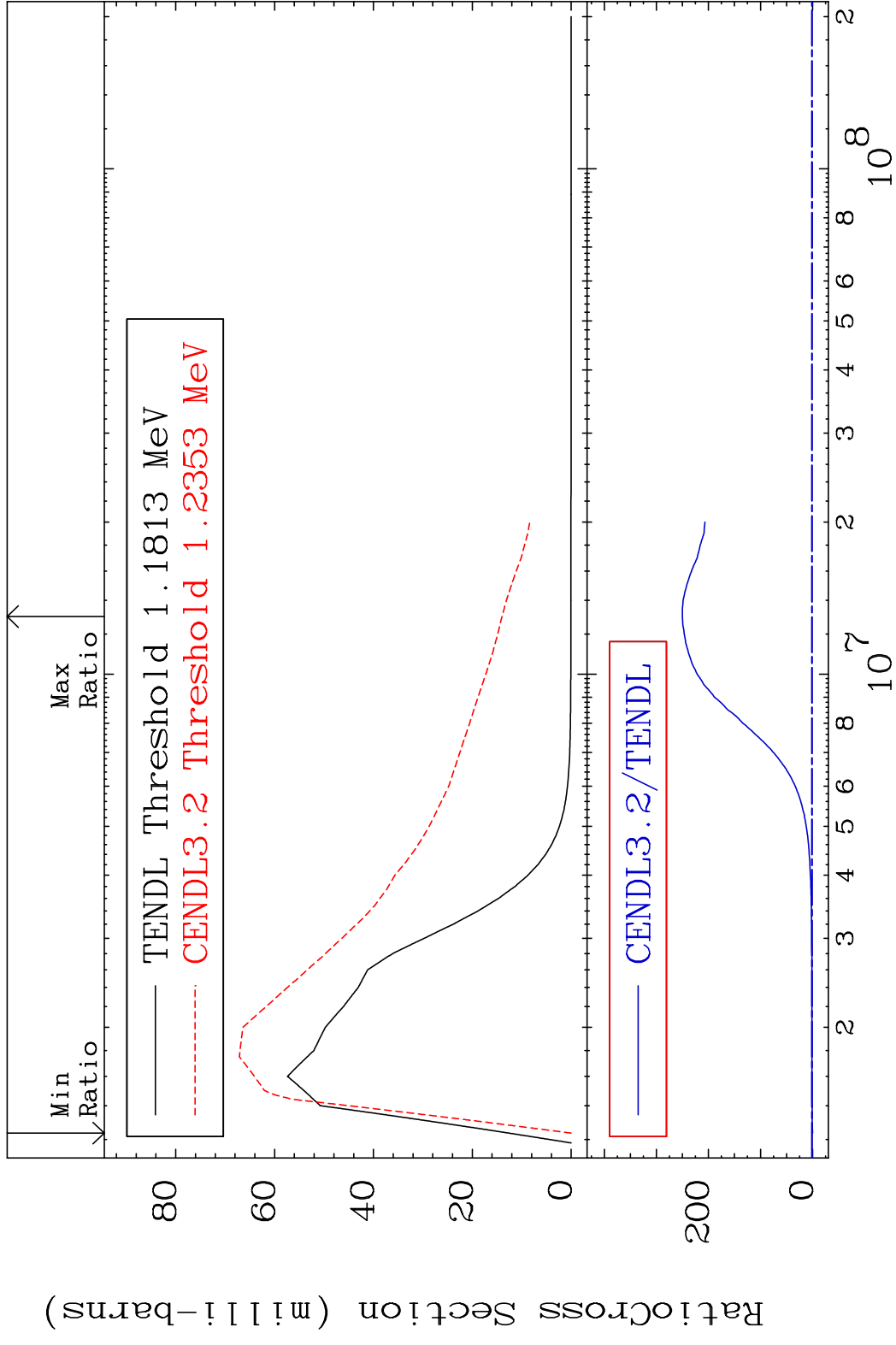


MAT 4034 MT= 54 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 871.0 %

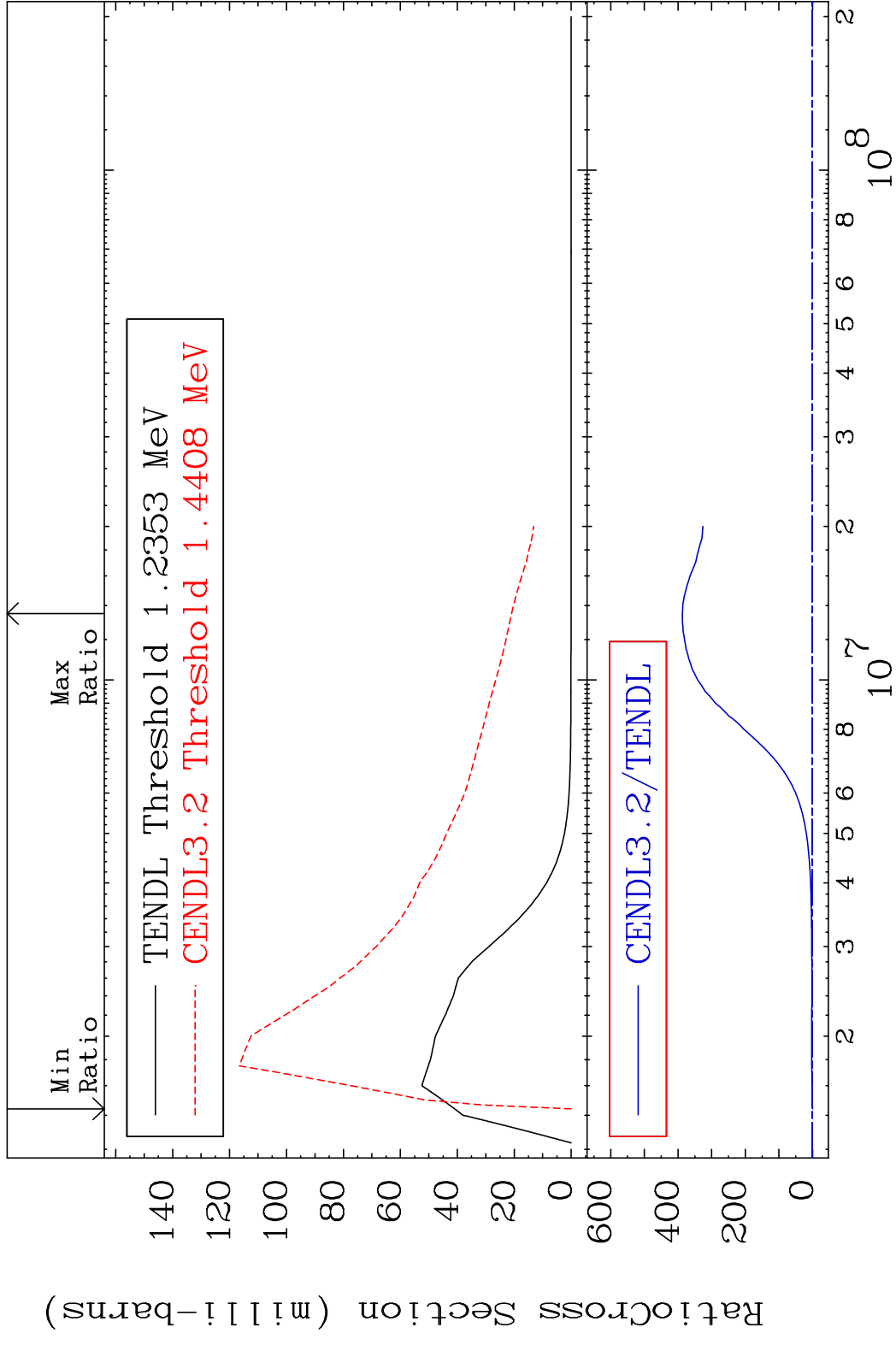


11 Incident Energy (eV) 40-Zr-93

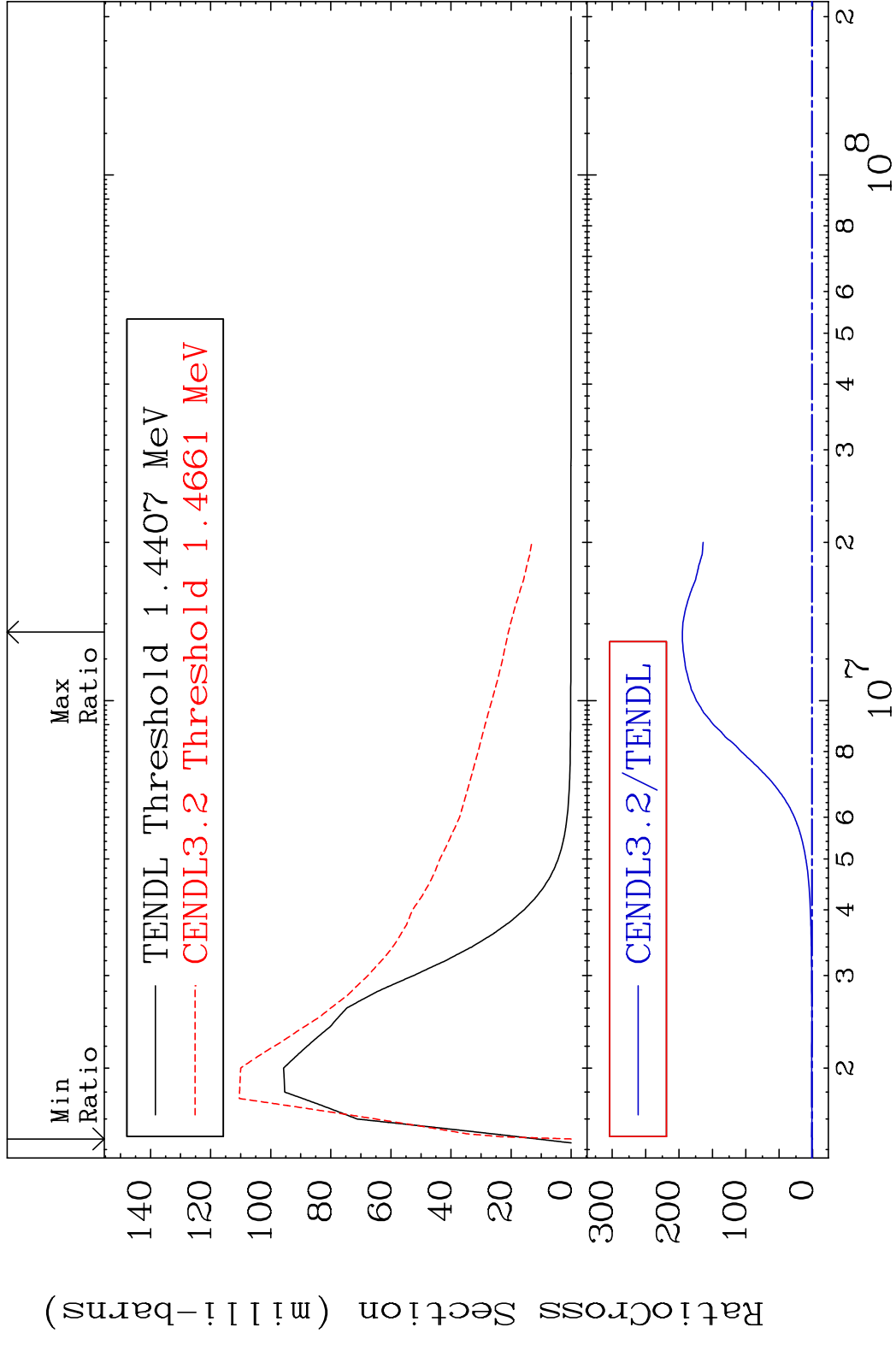
MAT 4034 MT= 55 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 9999. %



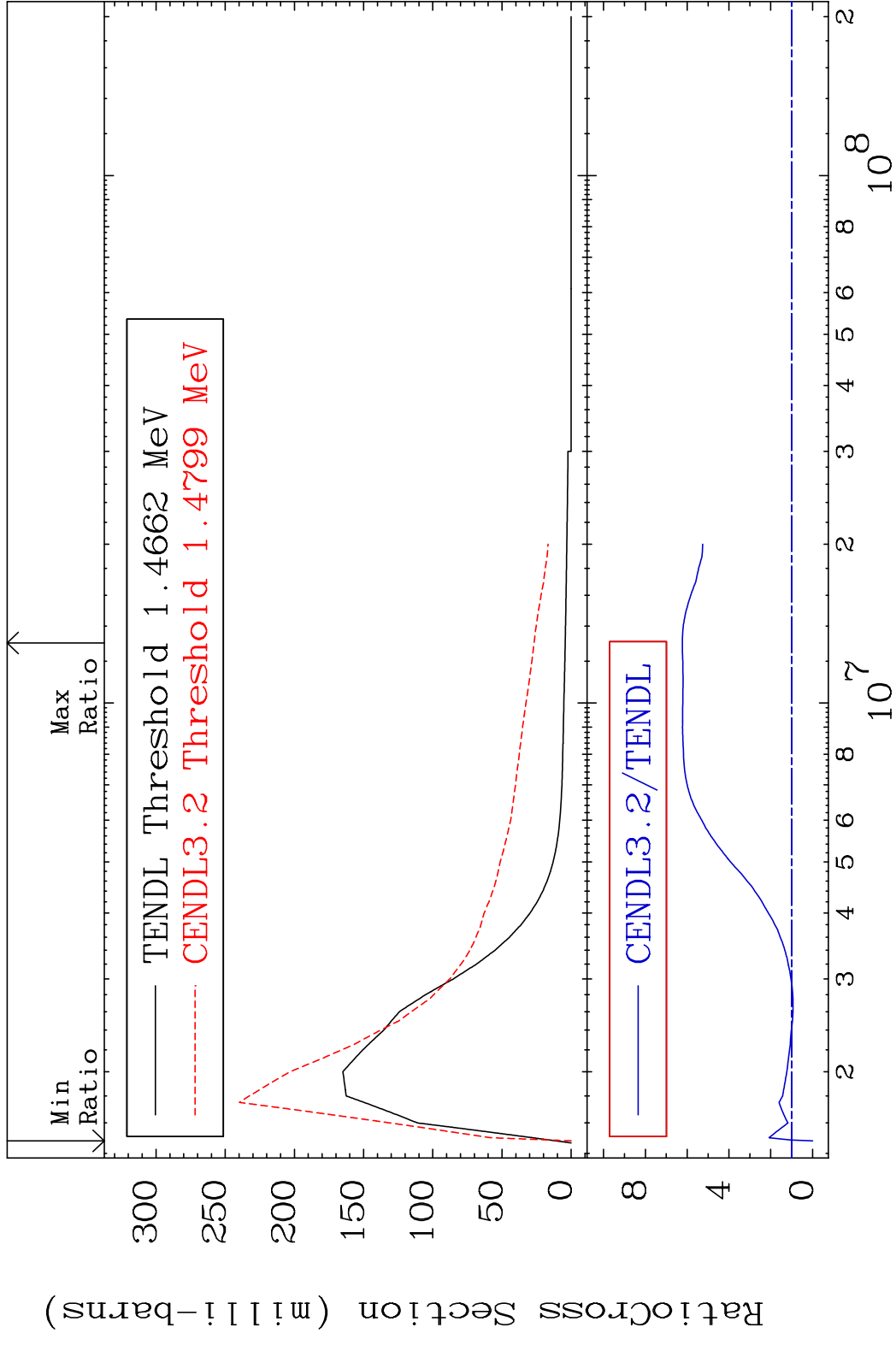
MAT 4034 MT= 56 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 9999. %



MAT 4034 MT= 57 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 9999. %



MAT 4034 MT= 58 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 522.9 %

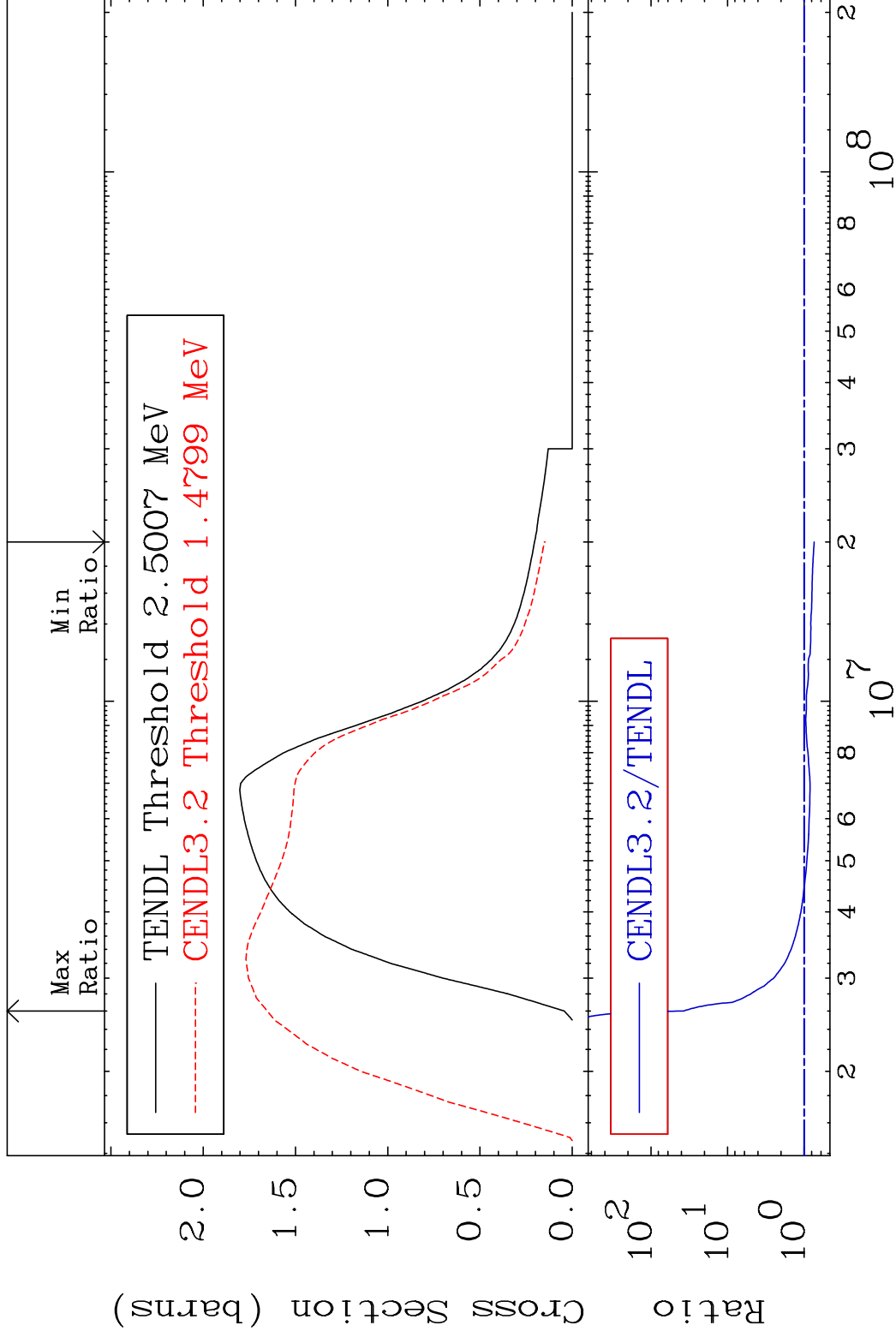


MAT 4034

(n, n') Continuum

40-Zr-93

Cross Section -25.97 To 3646. %



16

Incident Energy (eV)

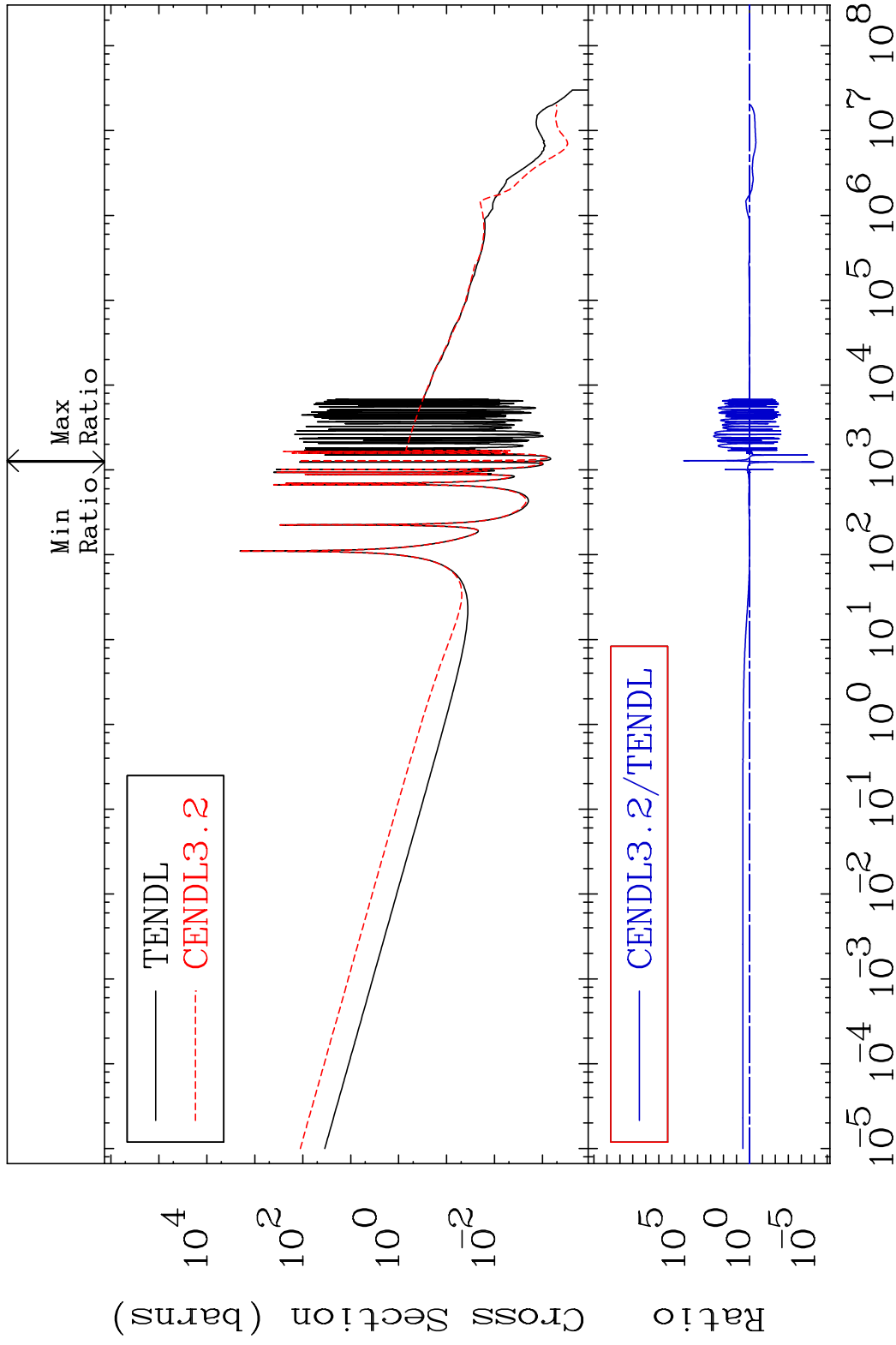
40-Zr-93

MAT 4034

(n, γ)

40-Zr-93

Cross Section -100.0 To 9999. %

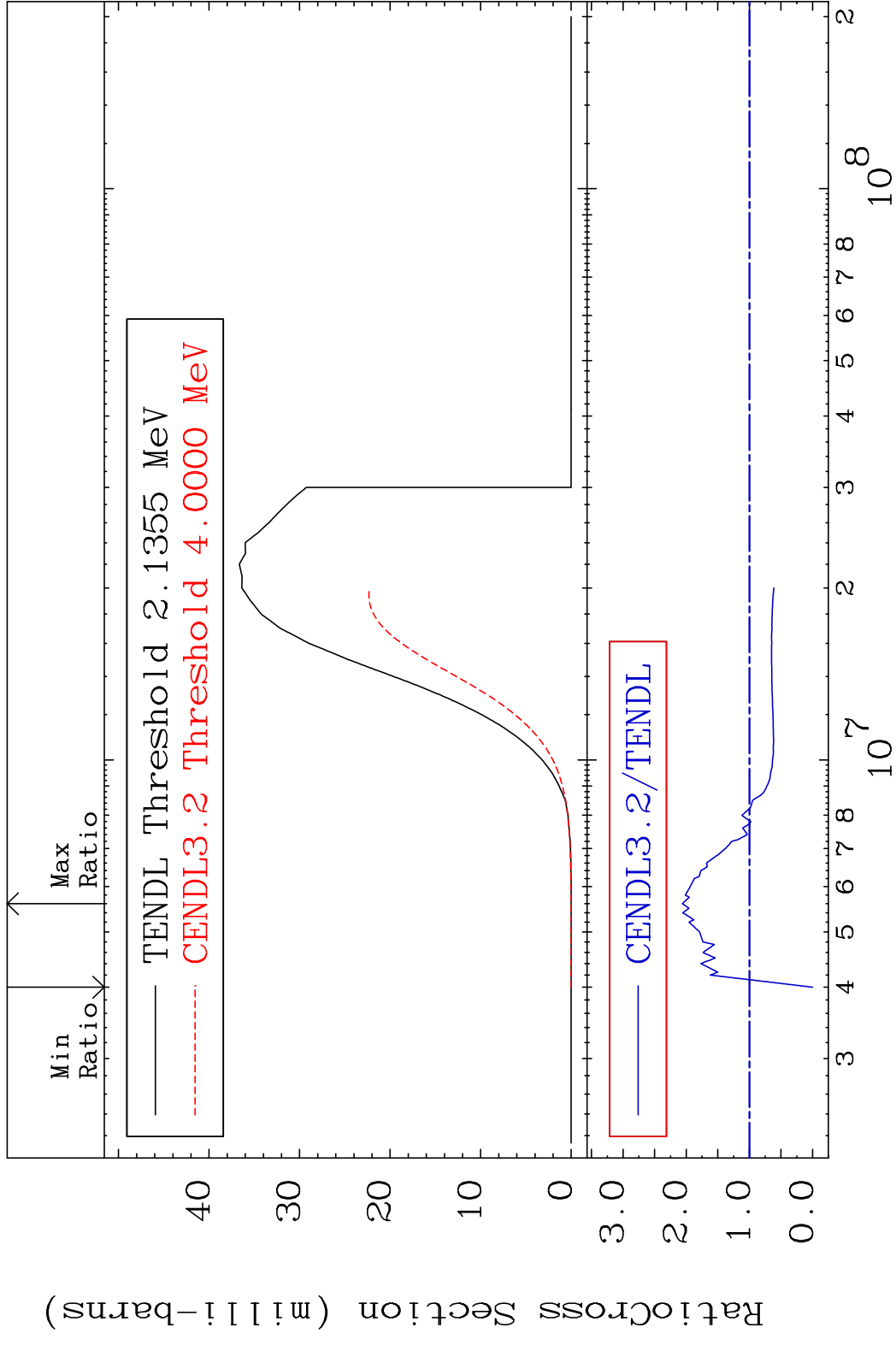


17

Incident Energy (eV)

40-Zr-93

MAT 4034 (n,p) 40-Zr-93
 Cross Section -100.0 To 106.2 %

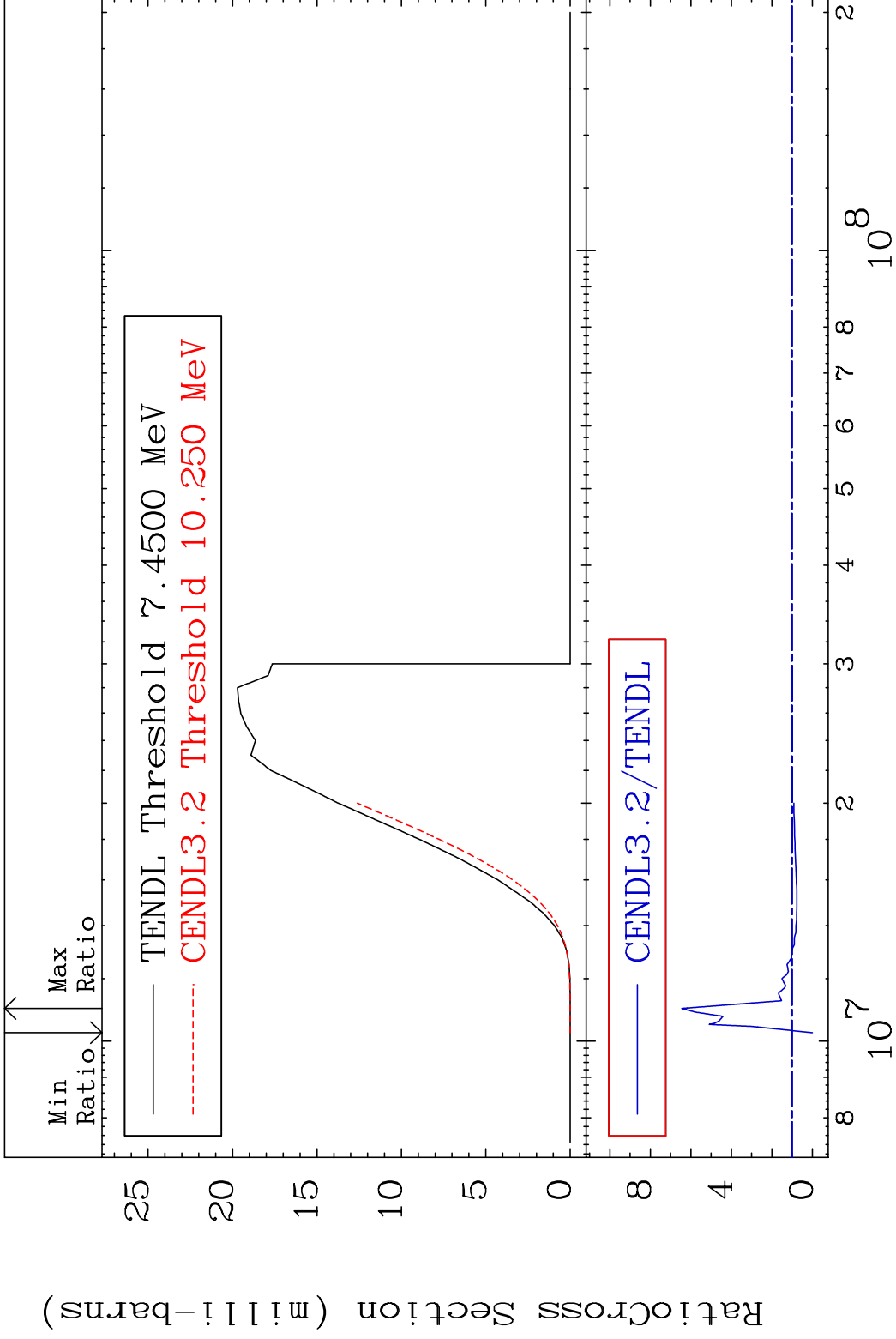


MAT 4034

(n, d)

40-Zr-93

Cross Section -100.0 To 545.1 %

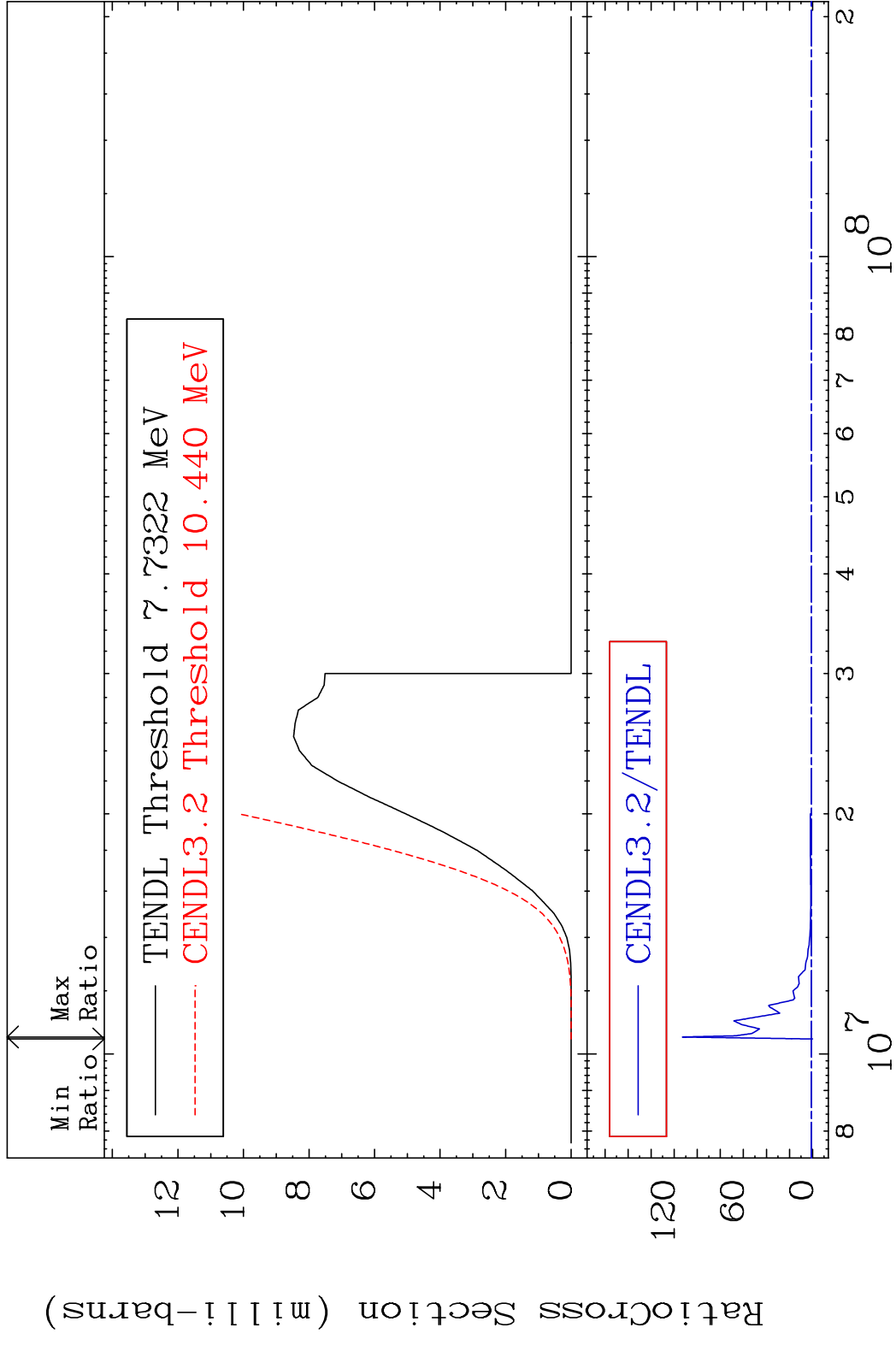


19

Incident Energy (eV)

40-Zr-93

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



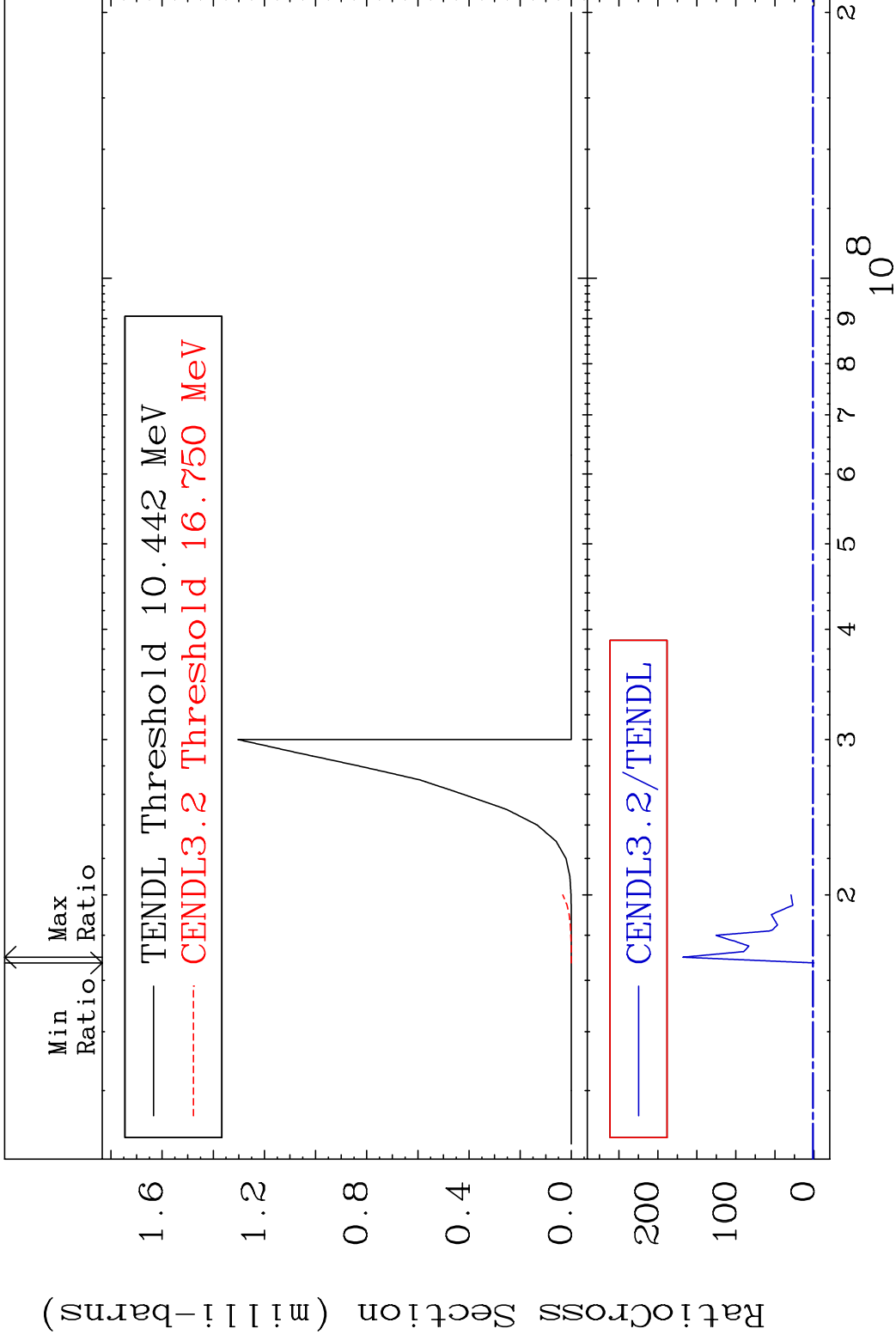
20 120 60 0 8 10⁷ 2 3 4 5 6 7 8 10⁸ 20

MAT 4034

(n, He-3)

40-Zr-93

Cross Section -100.0 To 9999. %



21

Incident Energy (eV)

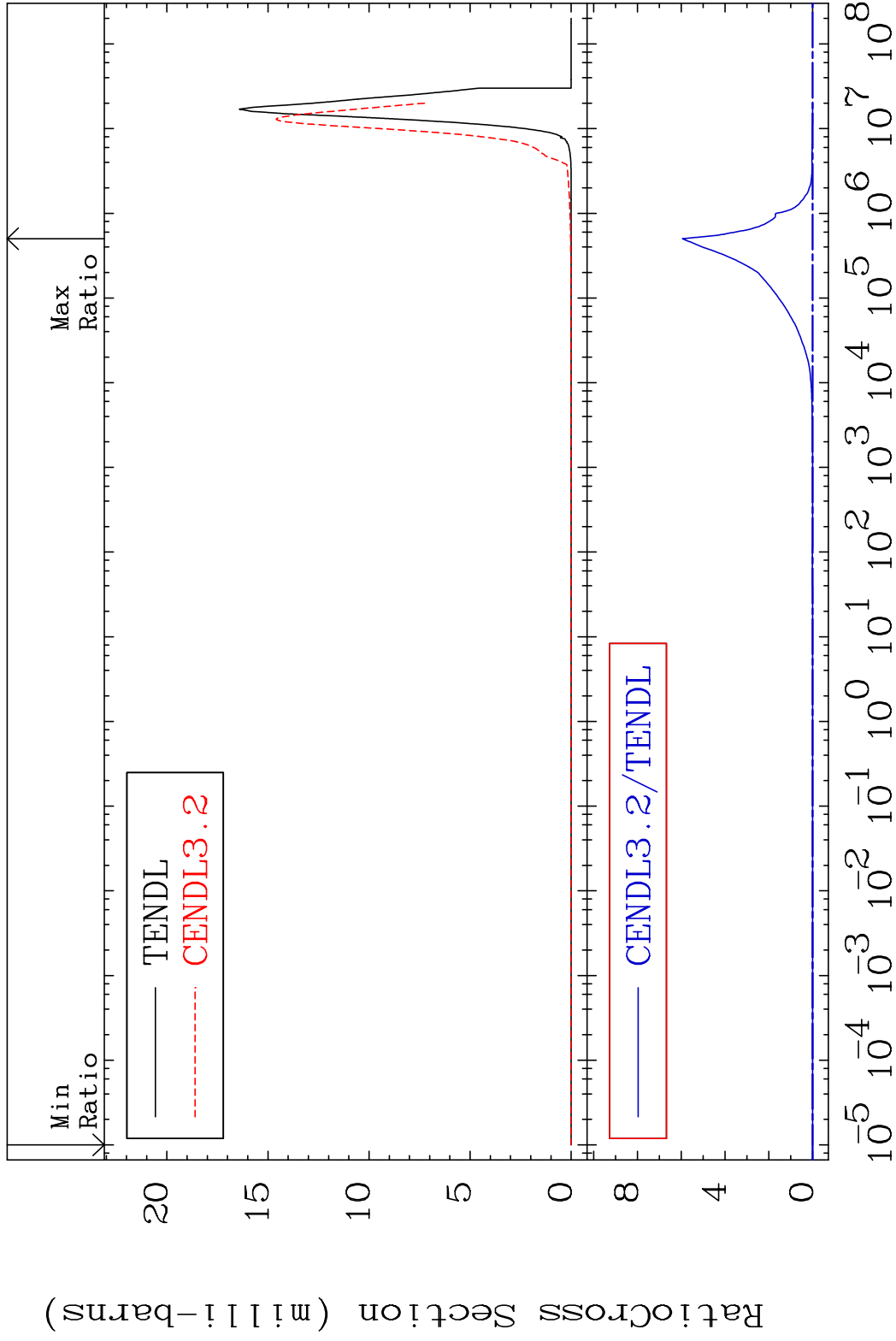
40-Zr-93

MAT 4034

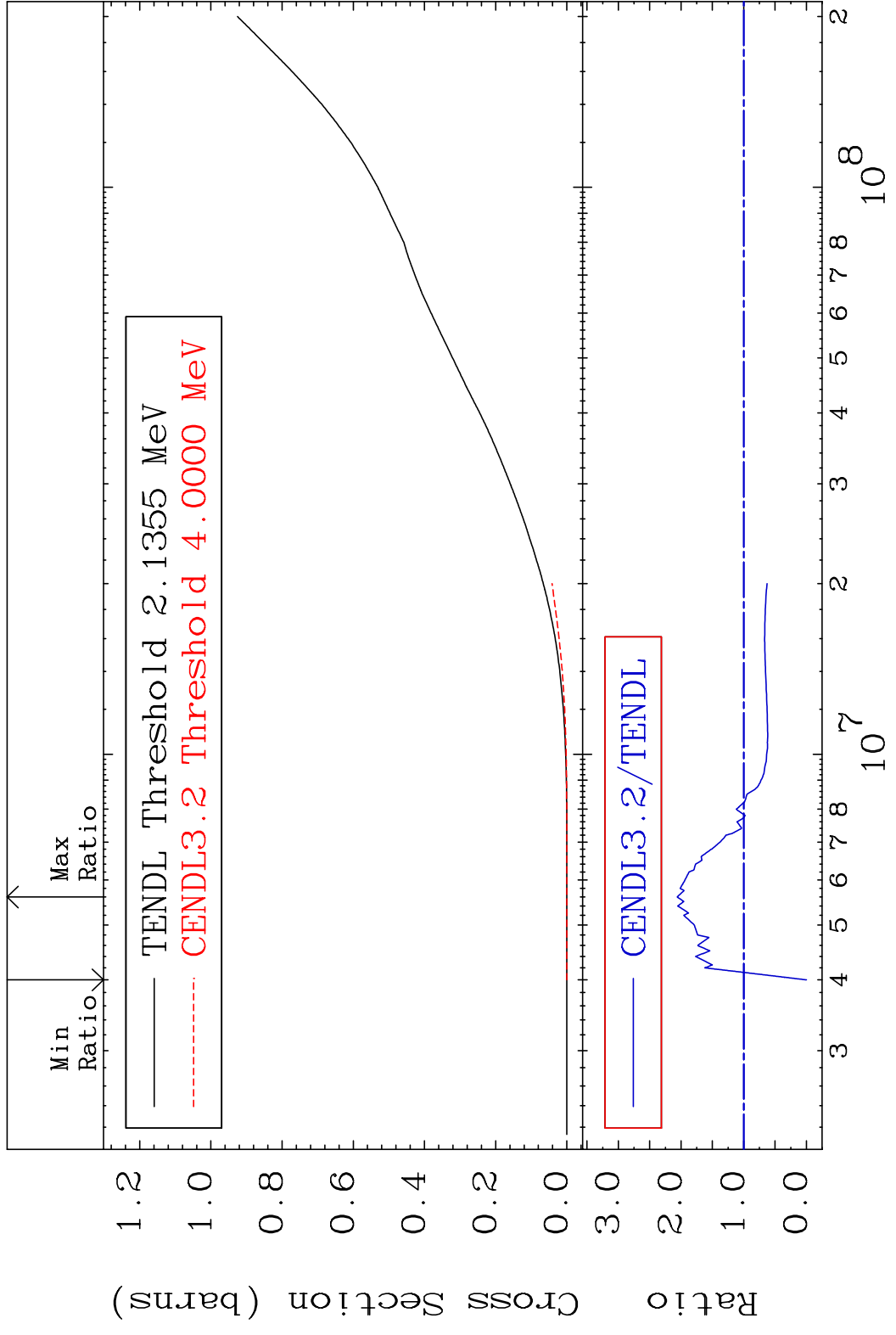
(n, α)

40-Zr-93

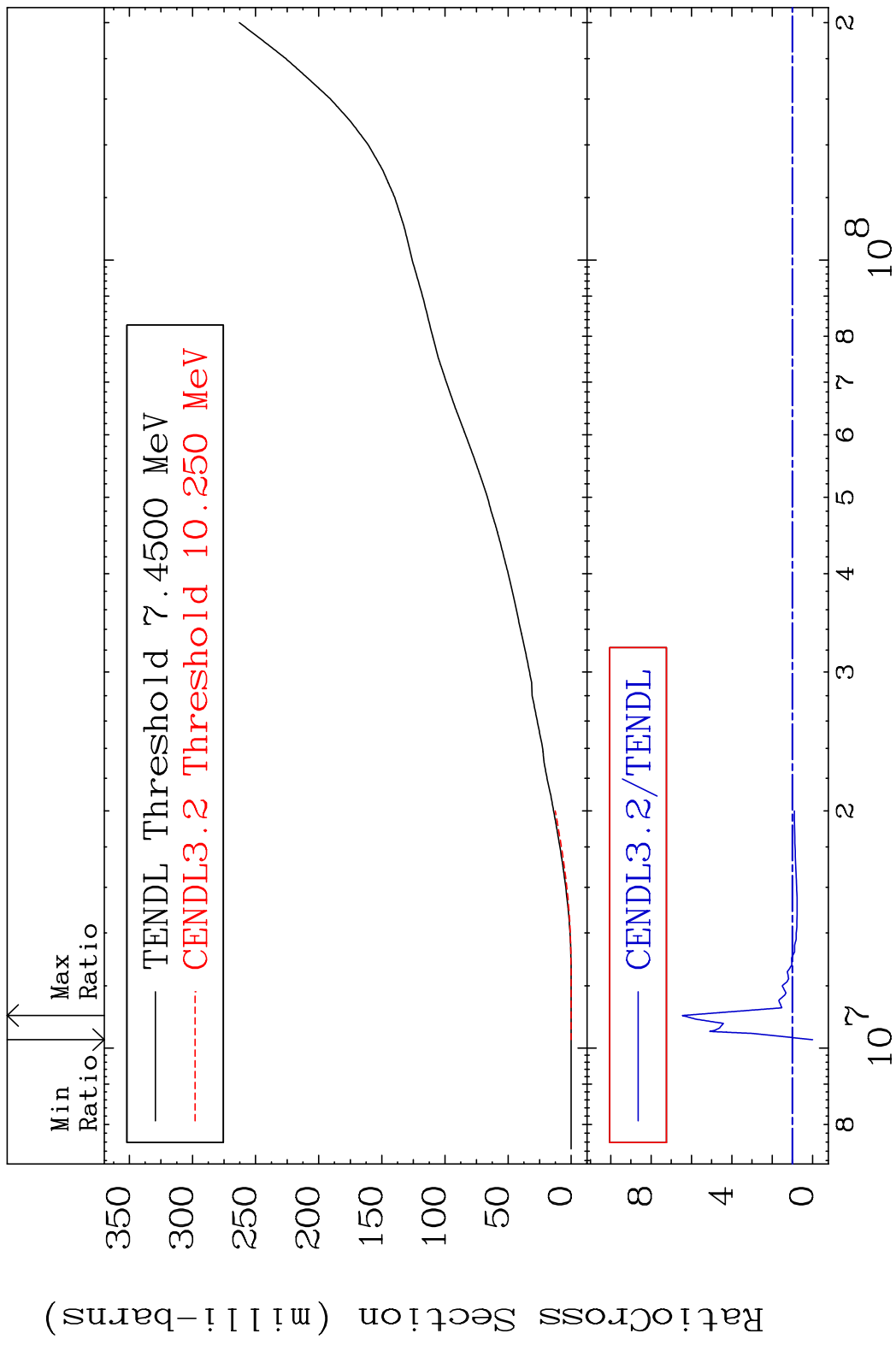
Cross Section -100.0 To 9999. %



22

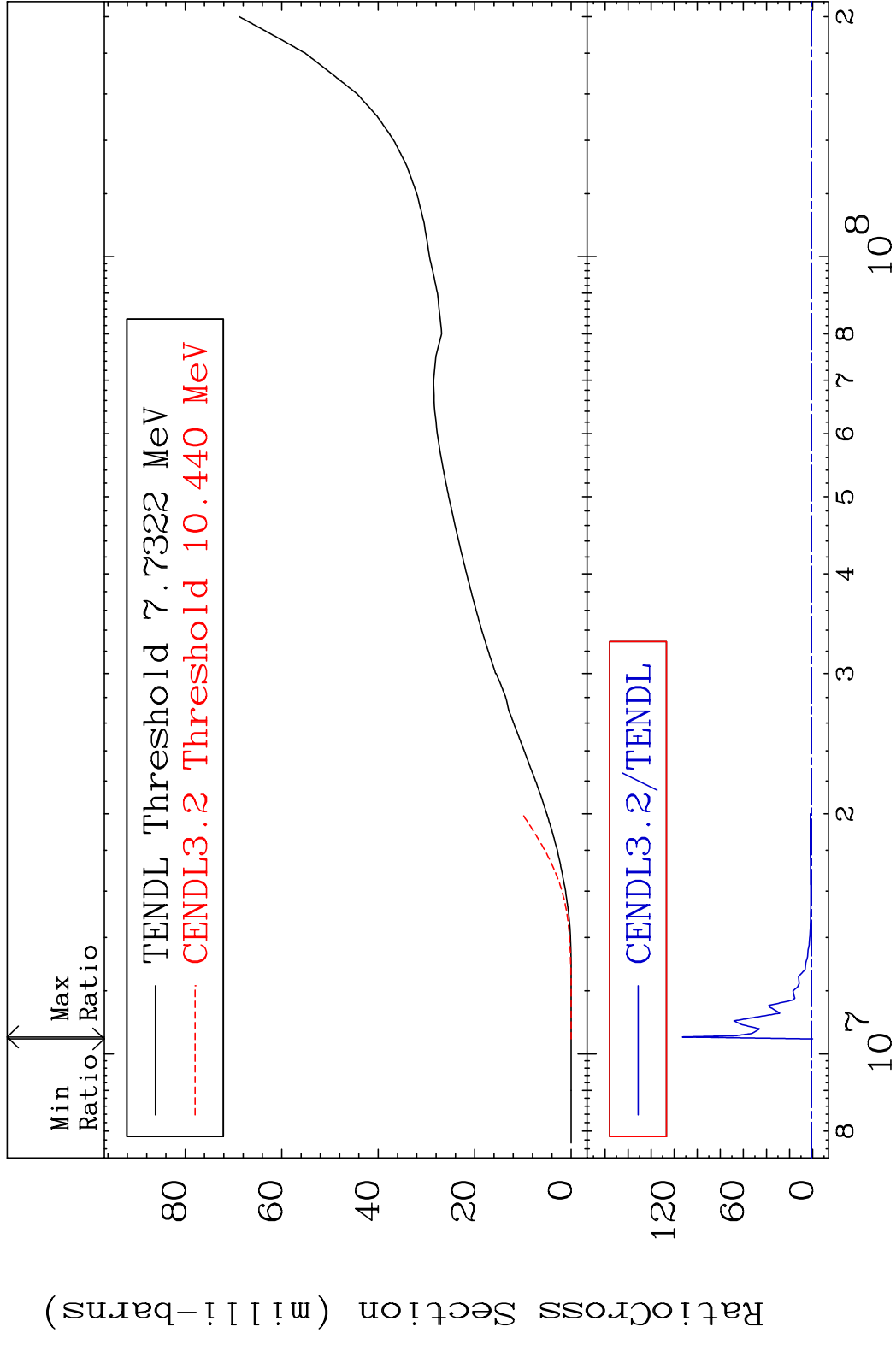


MAT 4034 Deuterium Production 40-Zr-93
 Cross Section -100.0 To 545.1 %



24 40-Zr-93

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



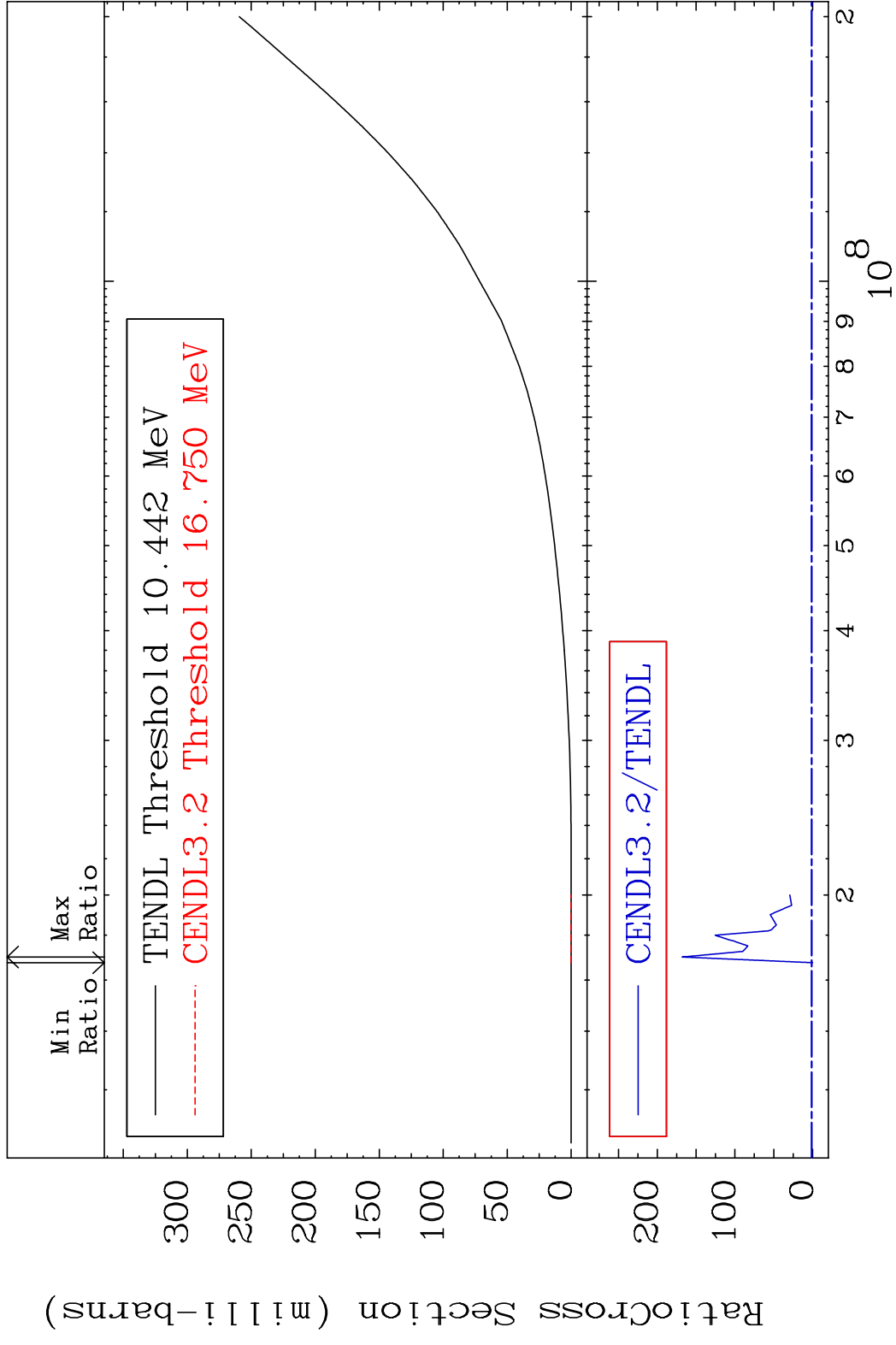
25 Incident Energy (eV) 40-Zr-93

MAT 4034

He-3 Production

40-Zr-93

Cross Section -100.0 To 9999. %

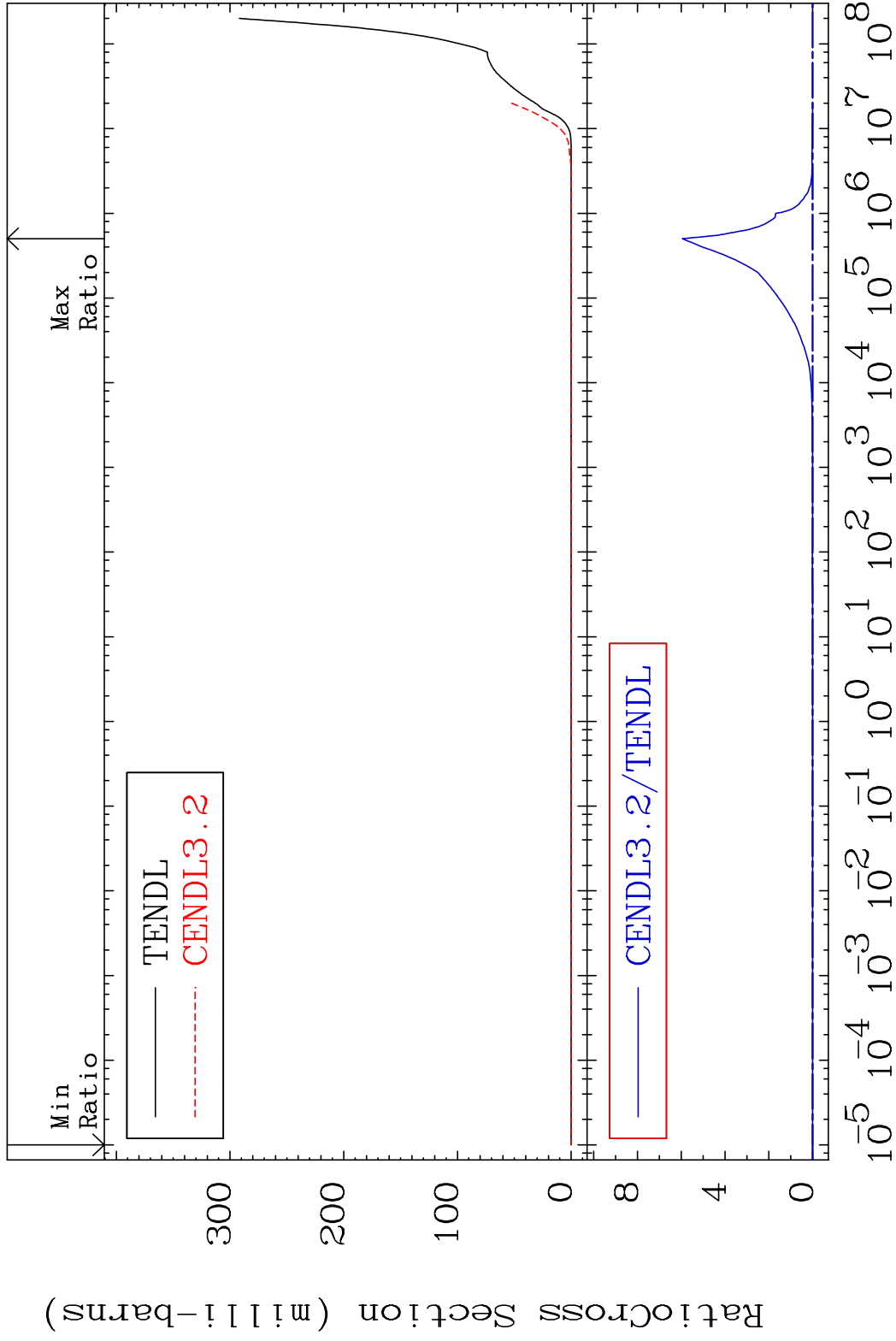


MAT 4034

He-4 Production

40-Zr-93

Cross Section -100.0 To 9999. %

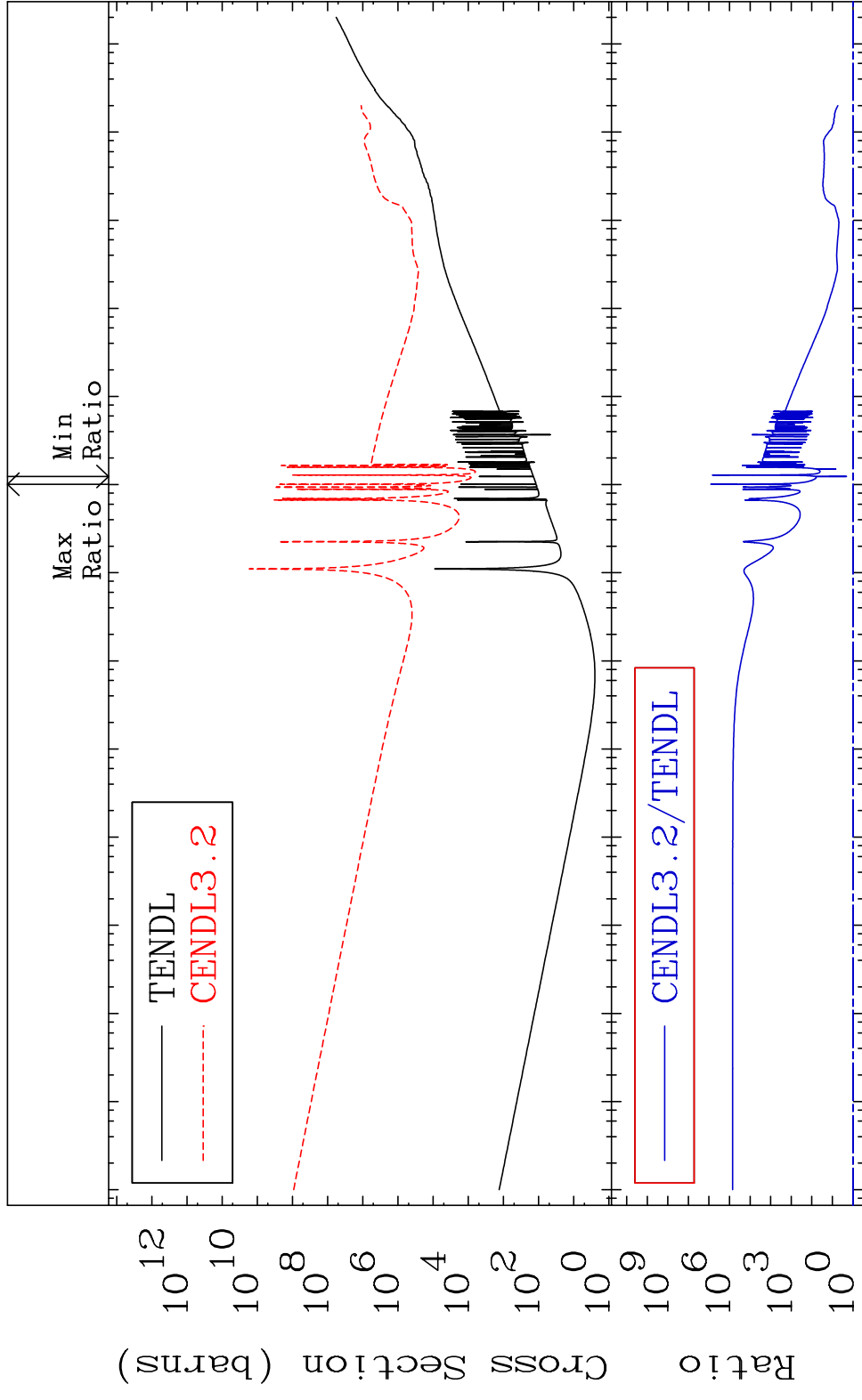


27

Incident Energy (eV)

40-Zr-93

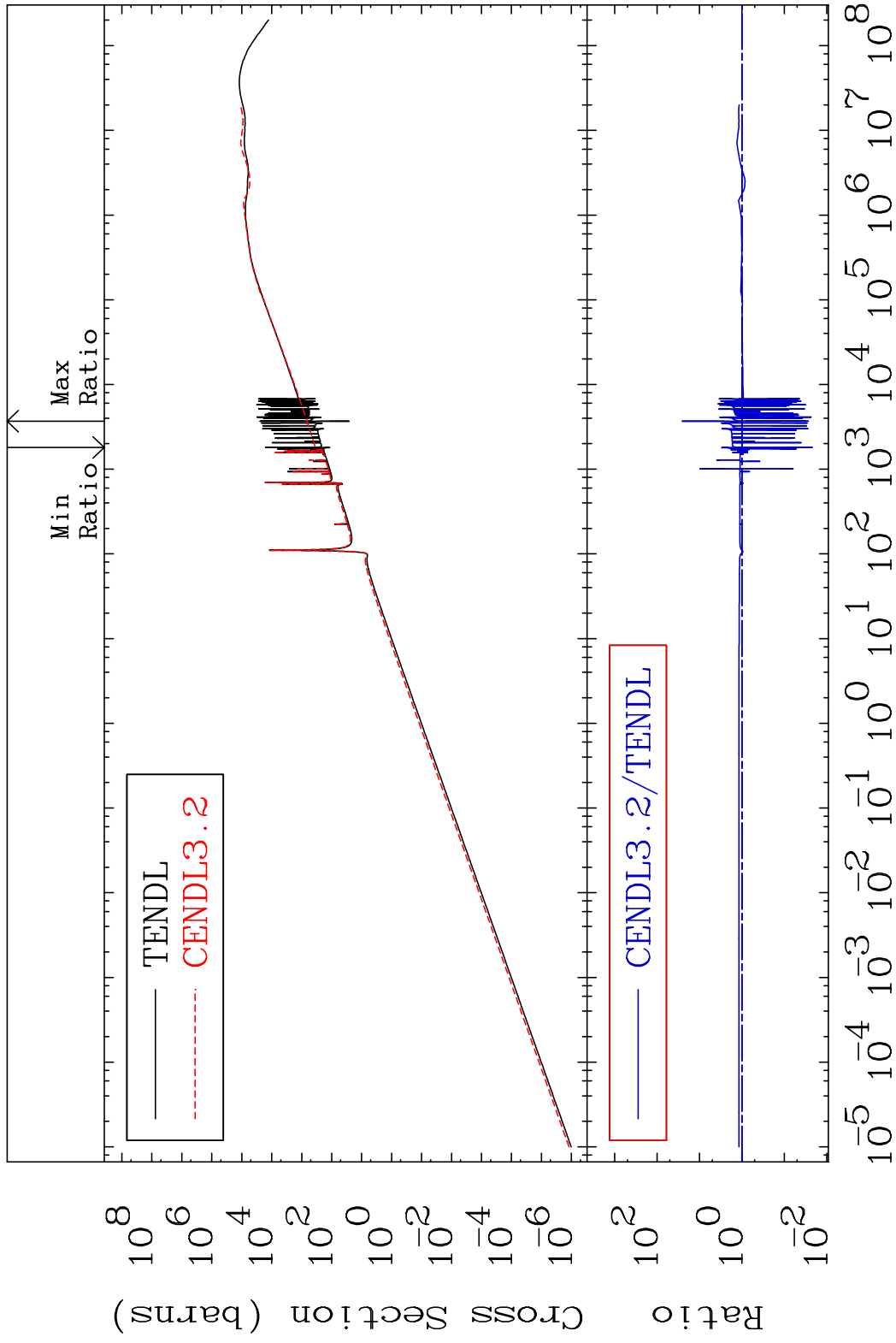
MAT 4034 Kerma total (eV-barns) 40-Zr-93
 Cross Section 109.8 To 9999. %



Ratio
 Cross Section (barns)
 Incident Energy (eV) 40-Zr-93

MAT 4034

Kerma elastic Cross Section -97.83 To 2436. %
40-Zr-93

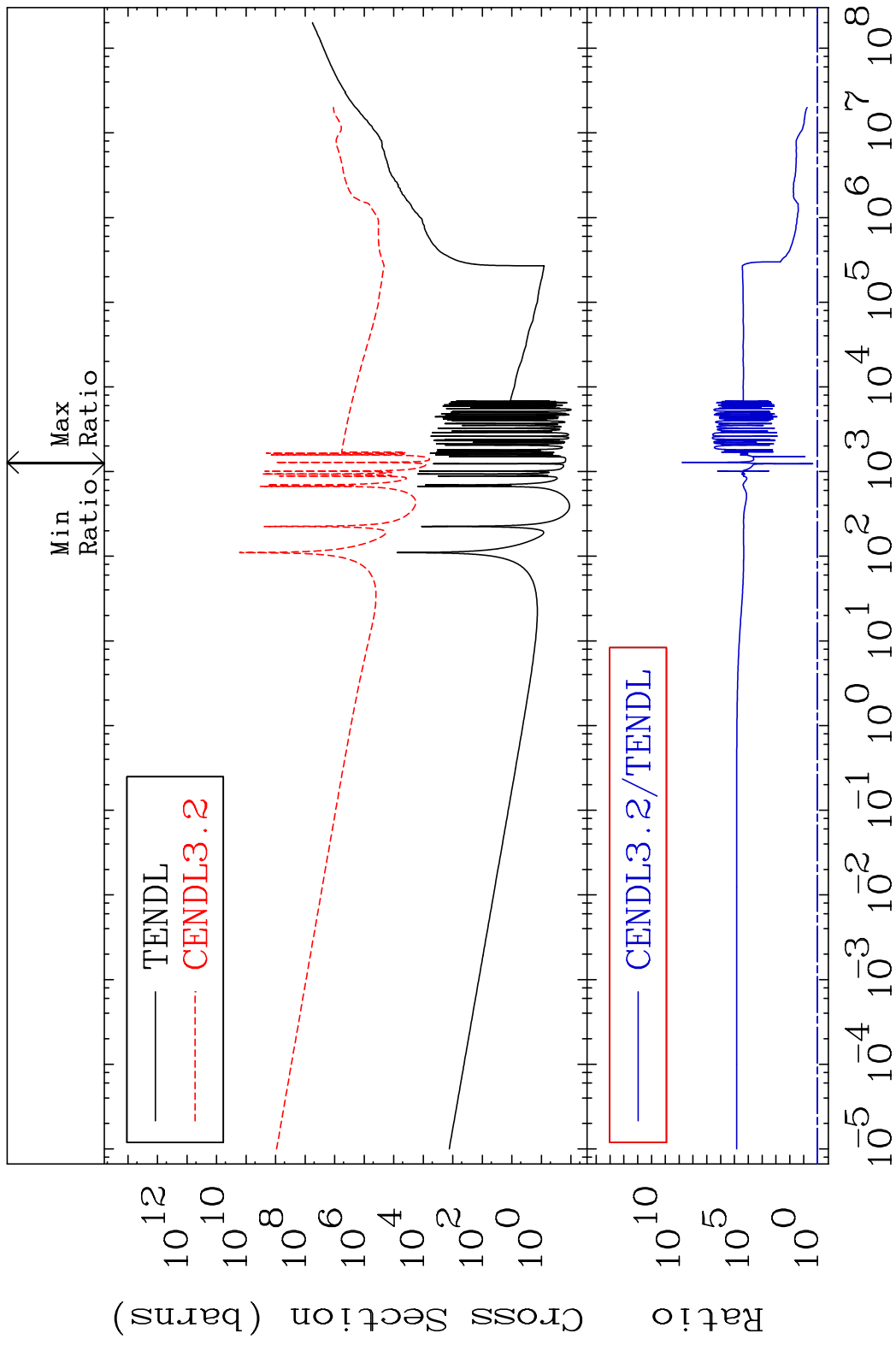


29

Incident Energy (eV)

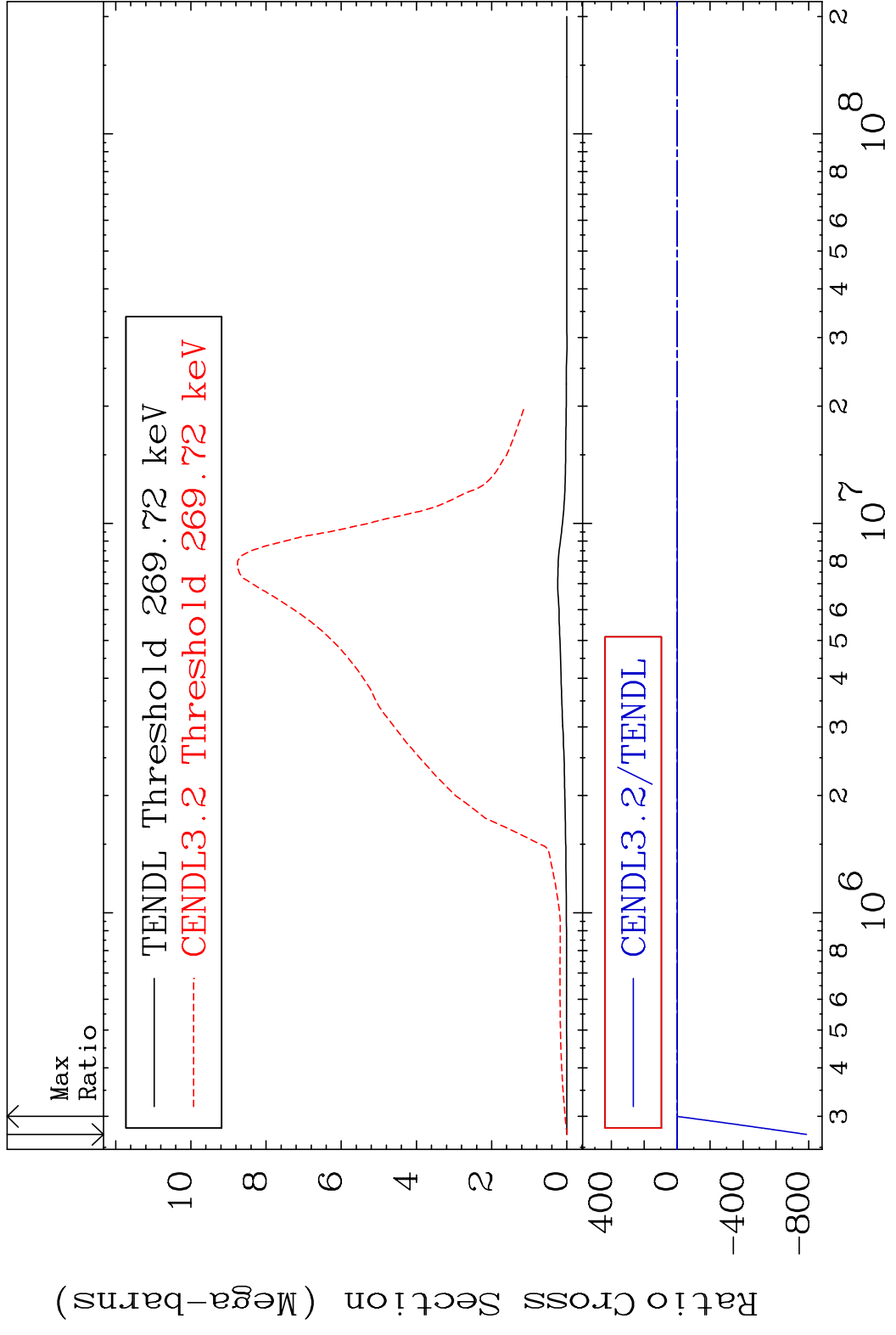
40-Zr-93

MAT 4034 Kerma non-elastic (all but mt2) 40-Zr-93
 Cross Section 125.5 To 9999. %

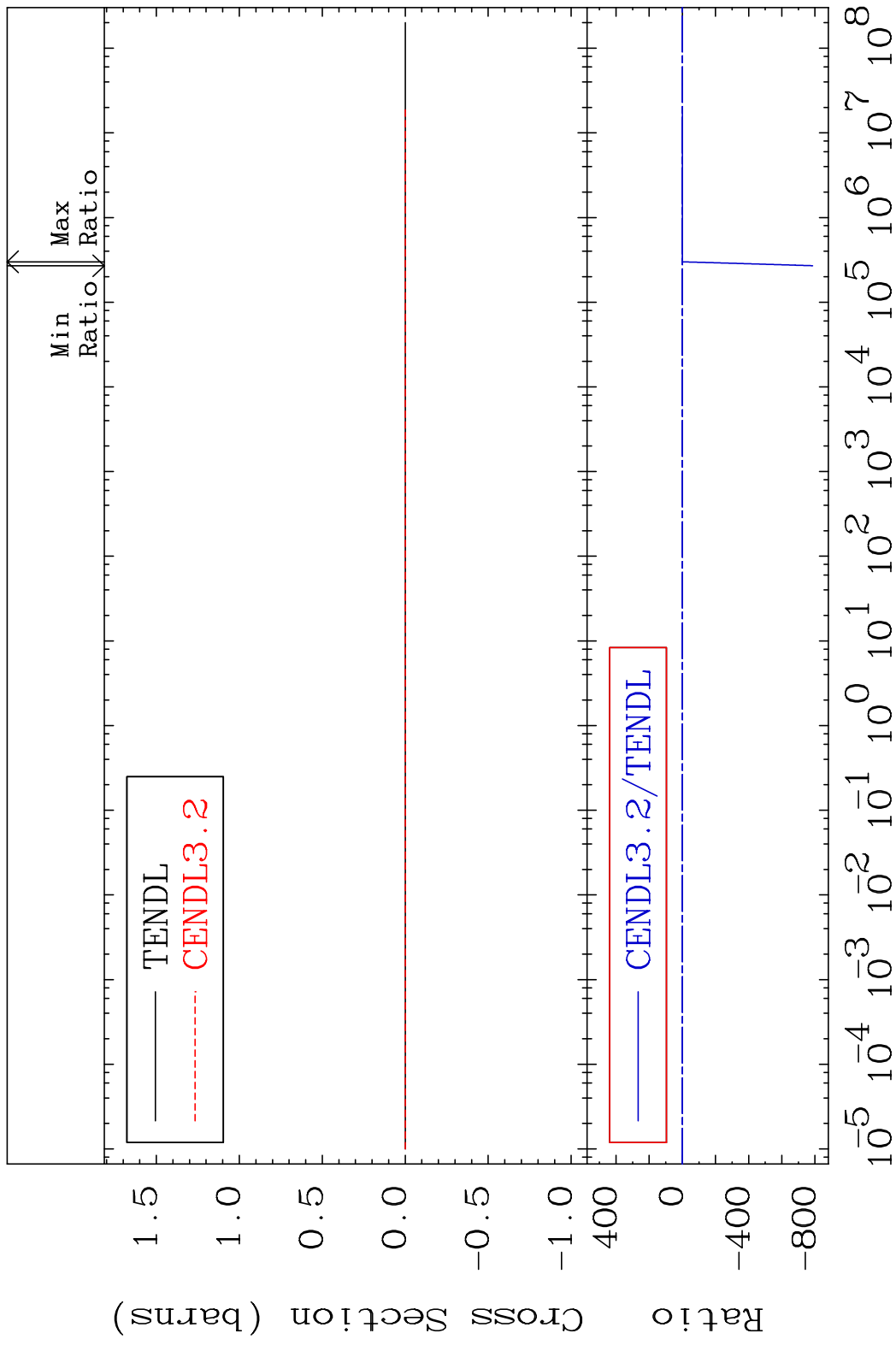


30 Incident Energy (eV) 40-Zr-93

MAT 4034 Kerma inelastic (mt51-91) 40-Zr-93
 Cross Section -9999. To 9320. %

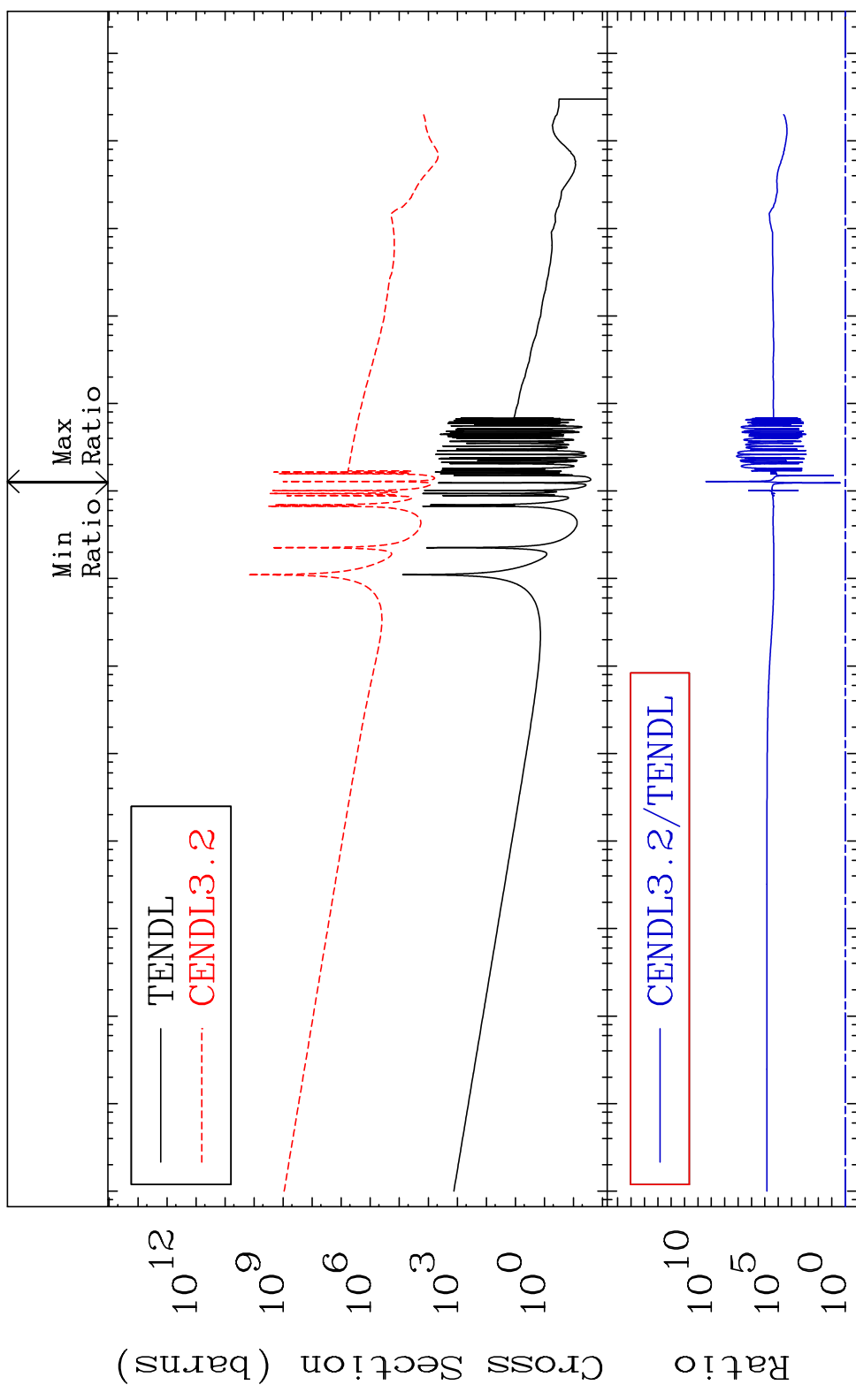


MAT 4034 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-93
 Cross Section -9999. To 9320. %



MAT 4034

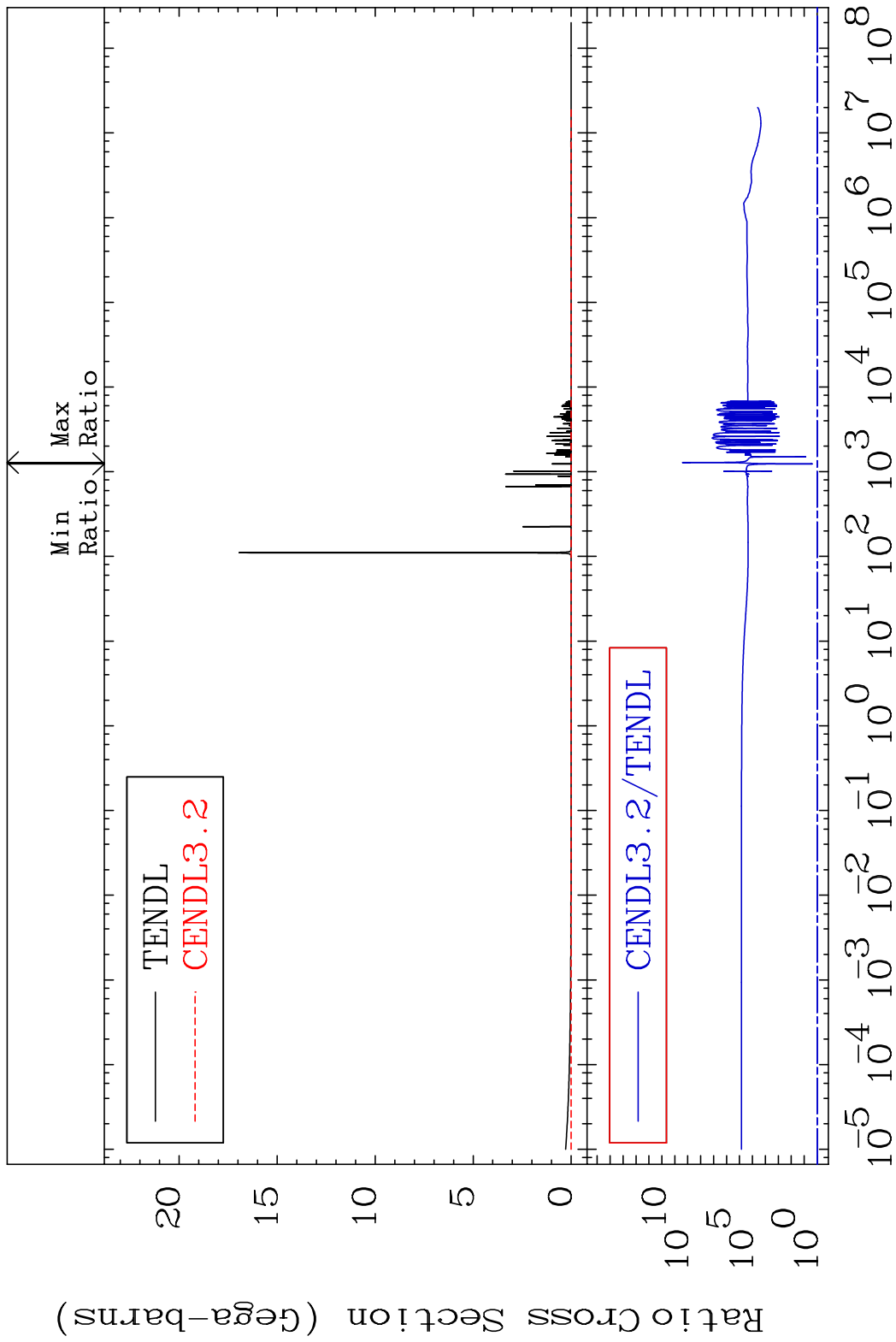
Kerma capture (mt102) 40-Zr-93
Cross Section 125.5 To 9999. %



33

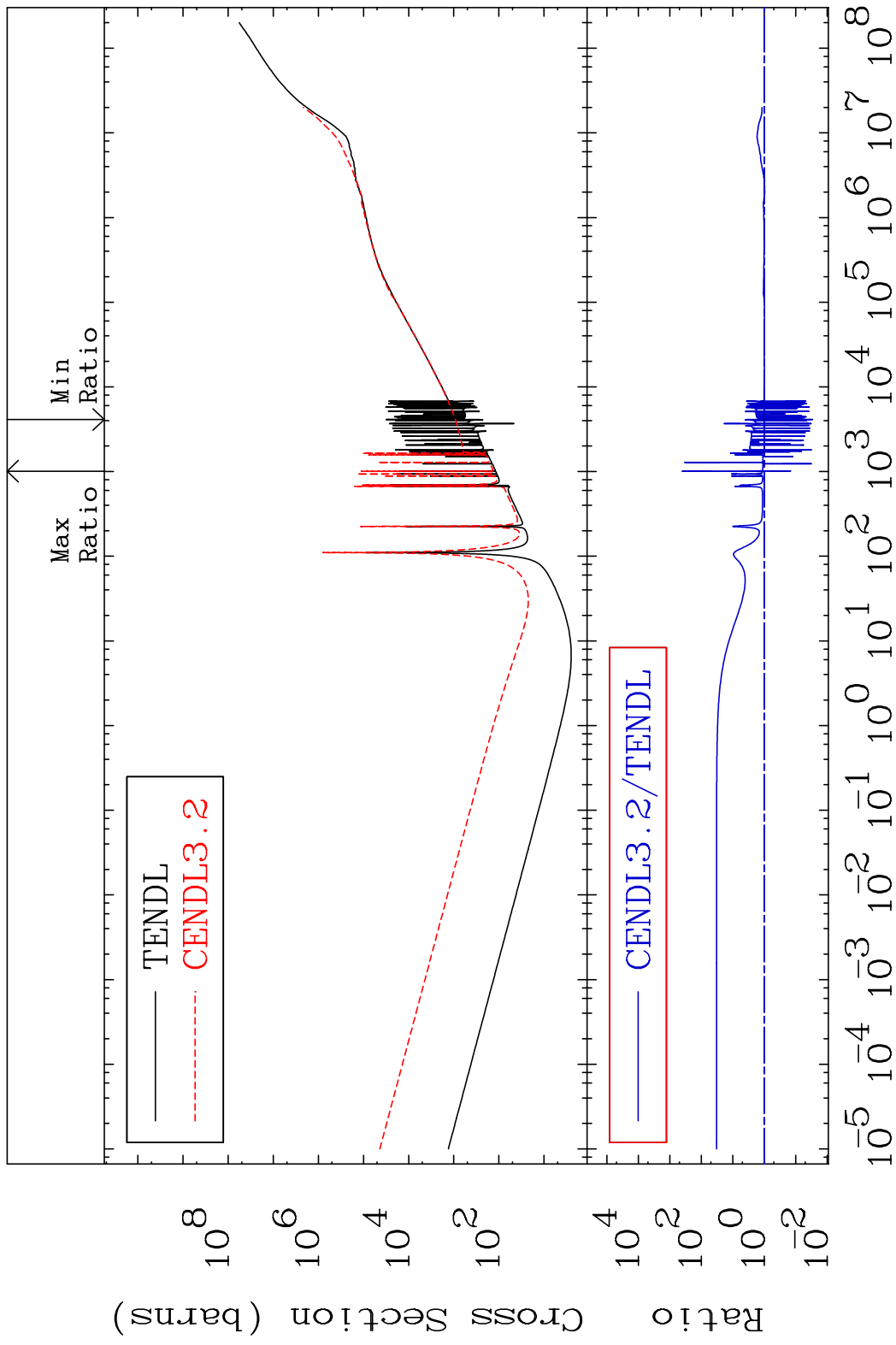
Incident Energy (eV) 40-Zr-93

MAT 4034 Total photon (eV-barns) 40-Zr-93
 Cross Section 125.5 To 9999. %



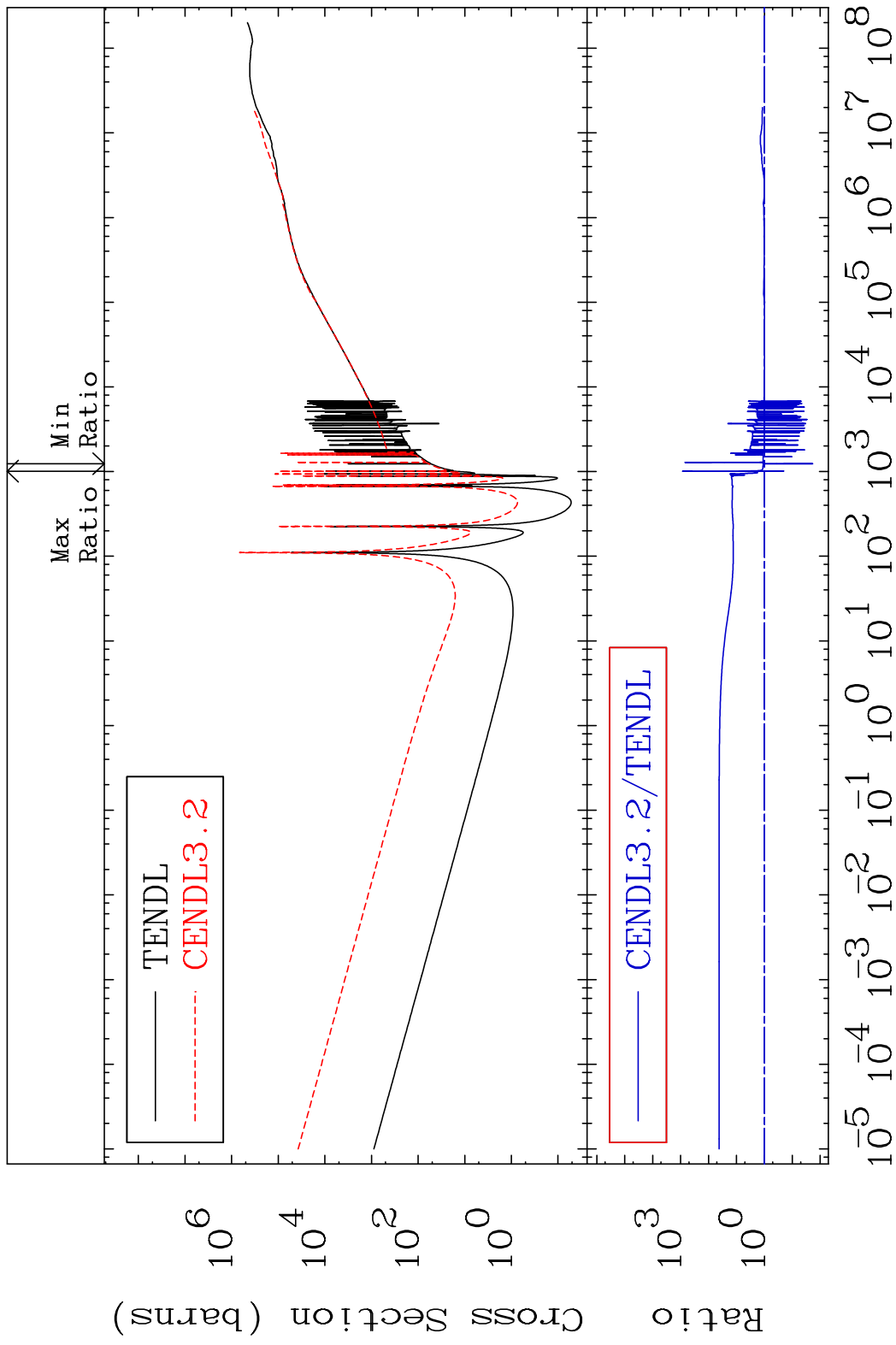
34 Incident Energy (eV) 40-Zr-93

MAT 4034 Total kinematic kerma (high limit) 40-Zr-93
Cross Section -97.07 To 9999. %



35 Incident Energy (eV) 40-Zr-93

MAT 4034 Dpa total (eV-barns) 40-Zr-93
 Cross Section -98.12 To 9999. %



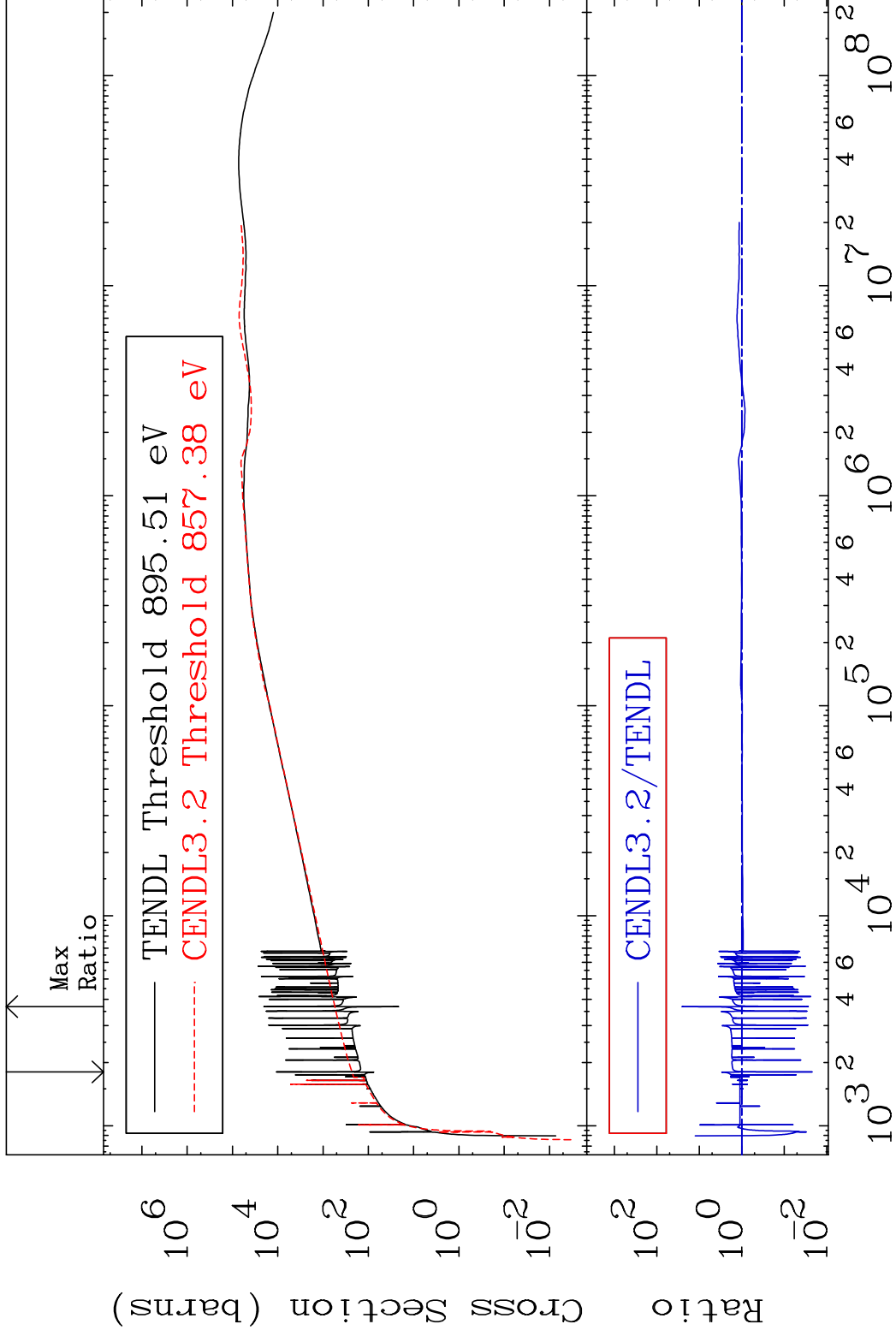
36 Incident Energy (eV) 40-Zr-93

MAT 4034

Dpa elastic (mt2)

40-Zr-93

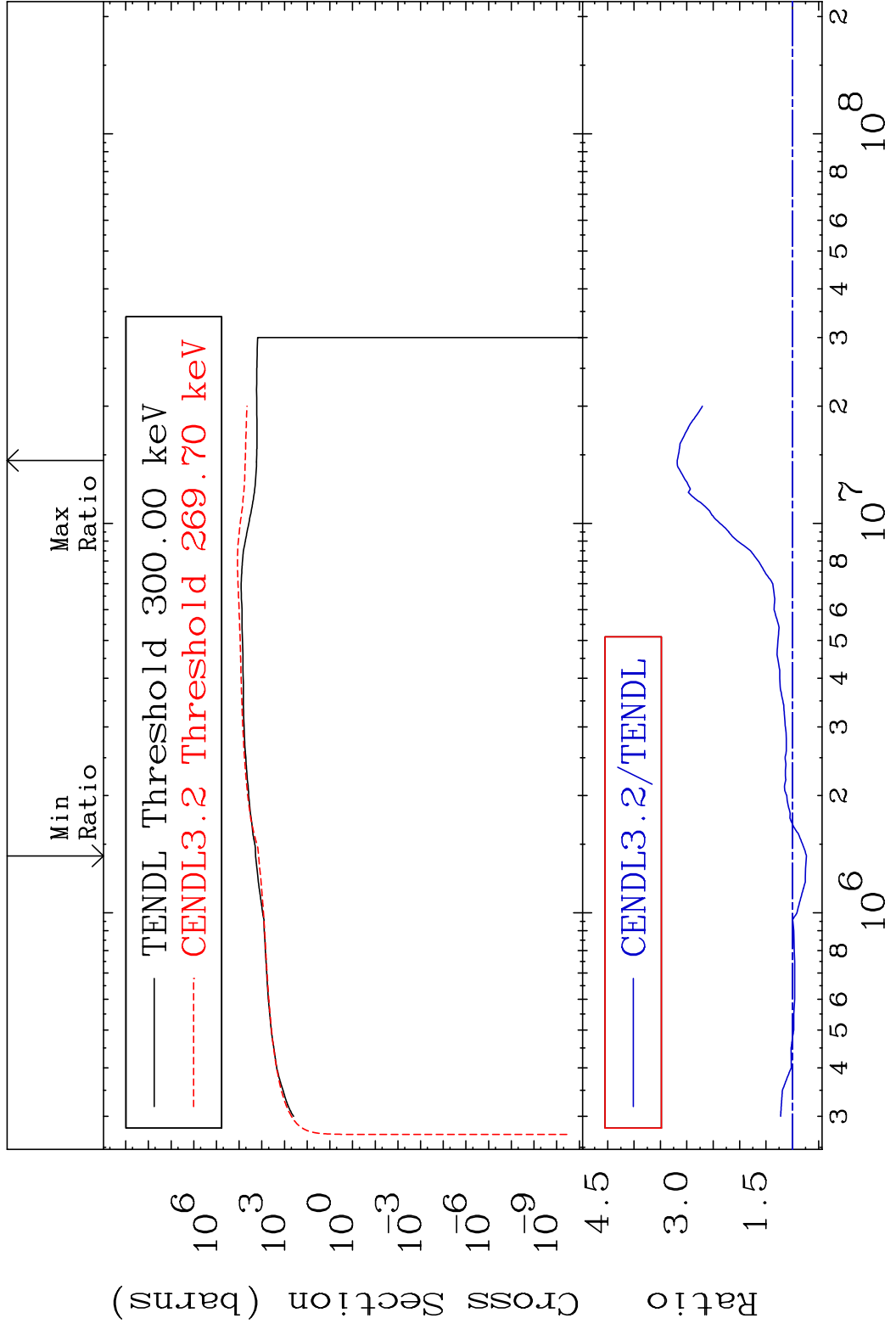
Cross Section -97.83 To 2444. %



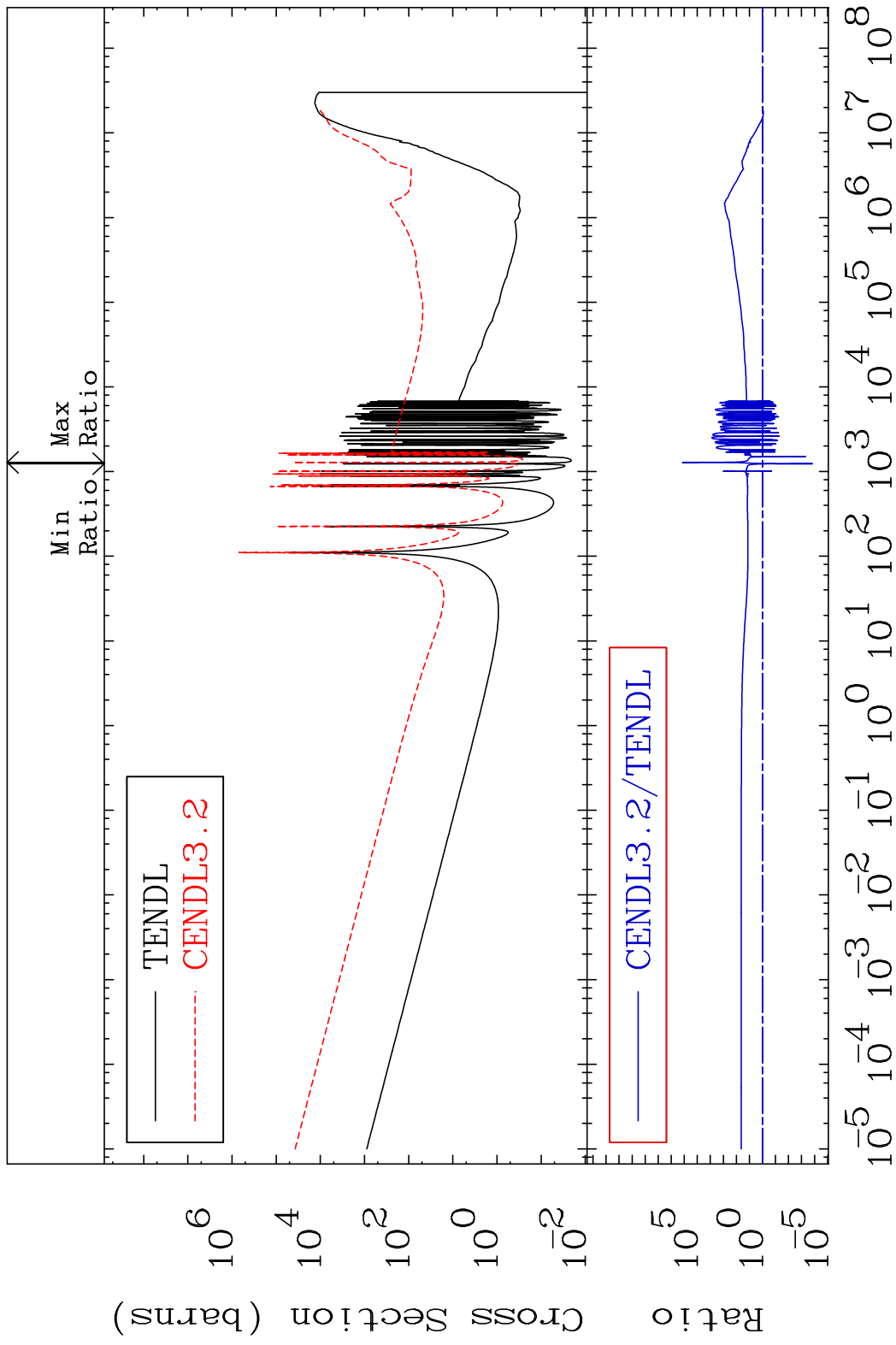
37

Incident Energy (eV)

40-Zr-93

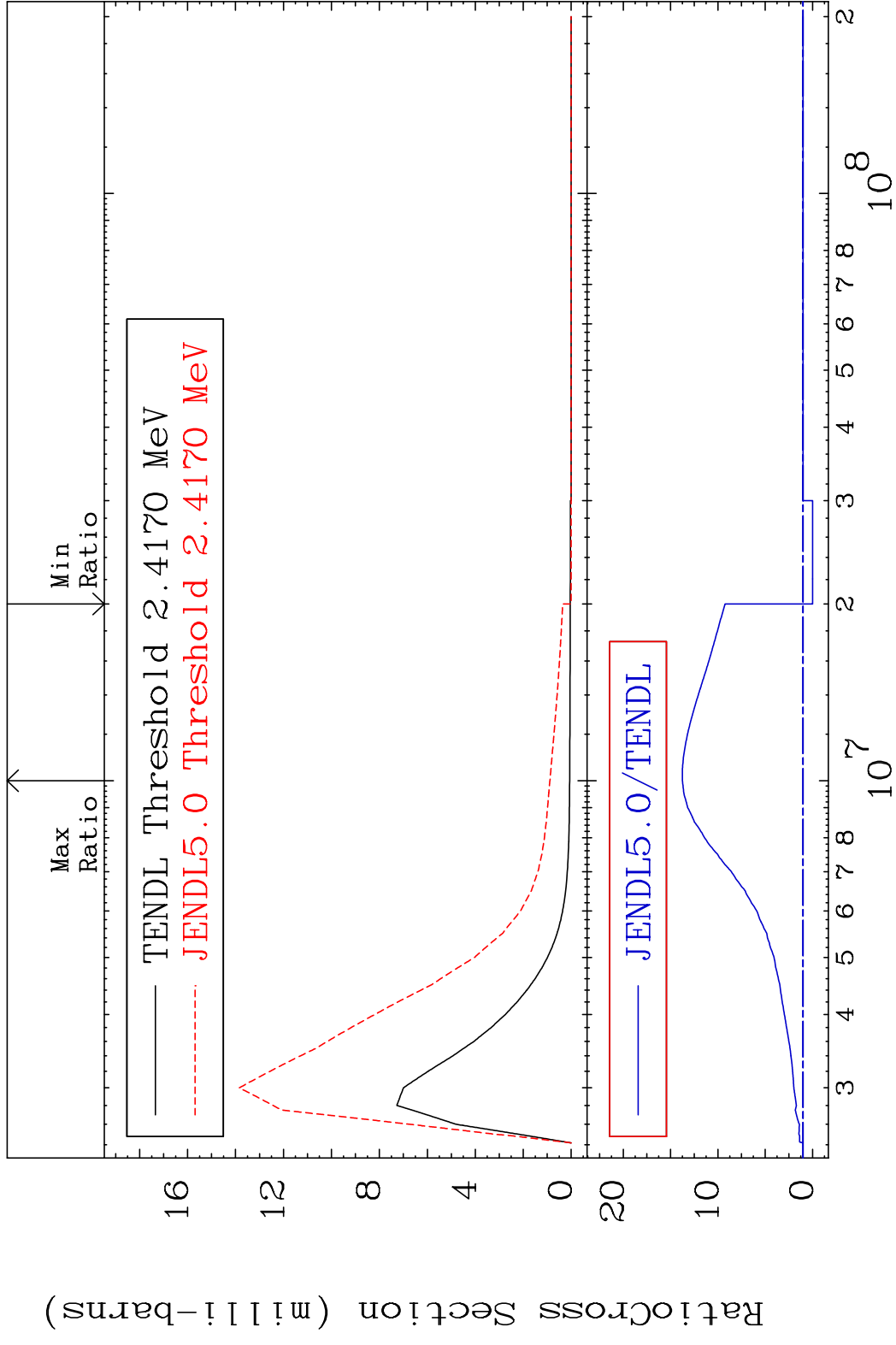


MAT 4034 Dpa disappearance (mt102 -120) 40-Zr-93
 Cross Section -99.99 To 9999. %

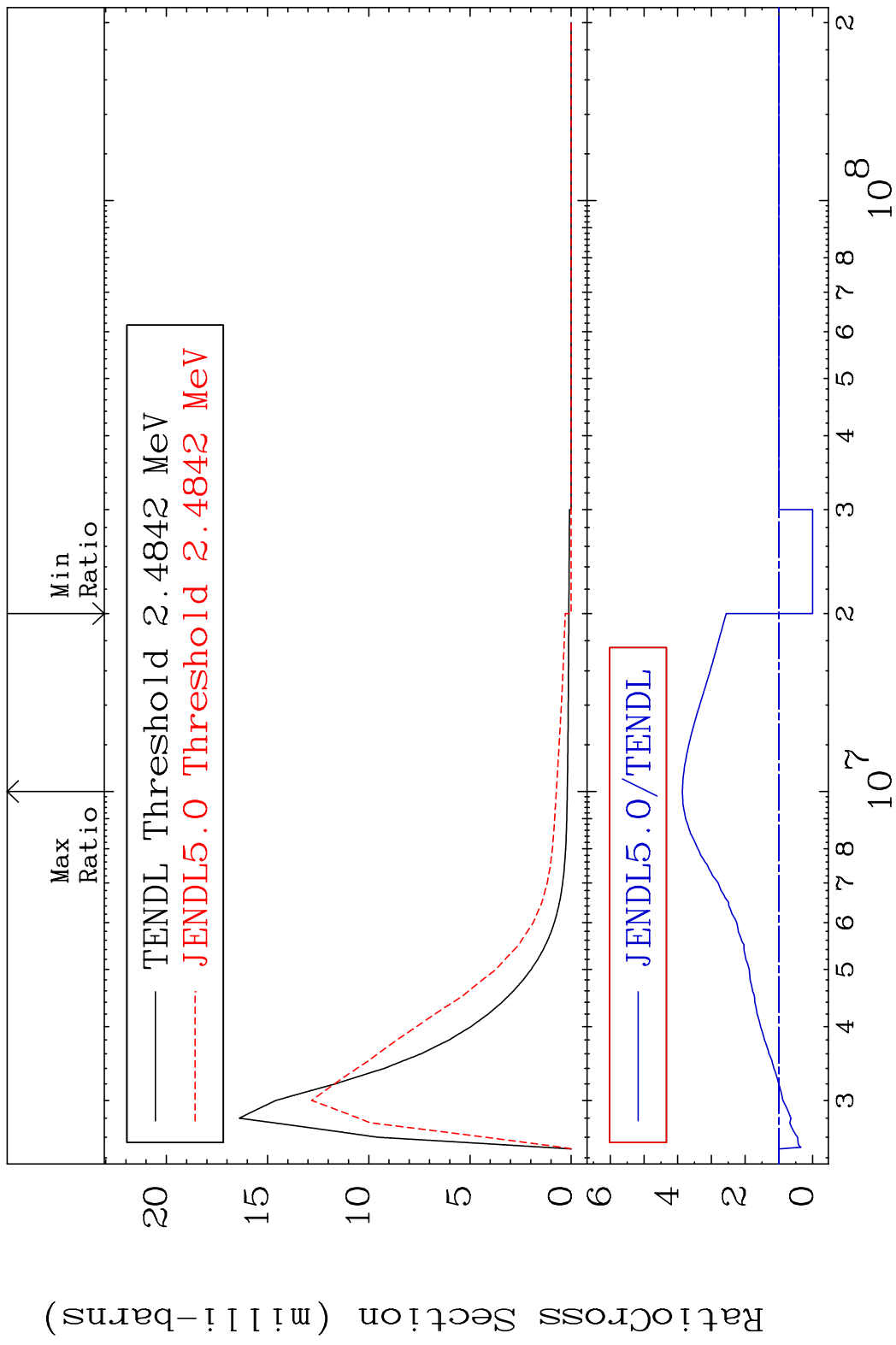


39 Incident Energy (eV) 40-Zr-93

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 %

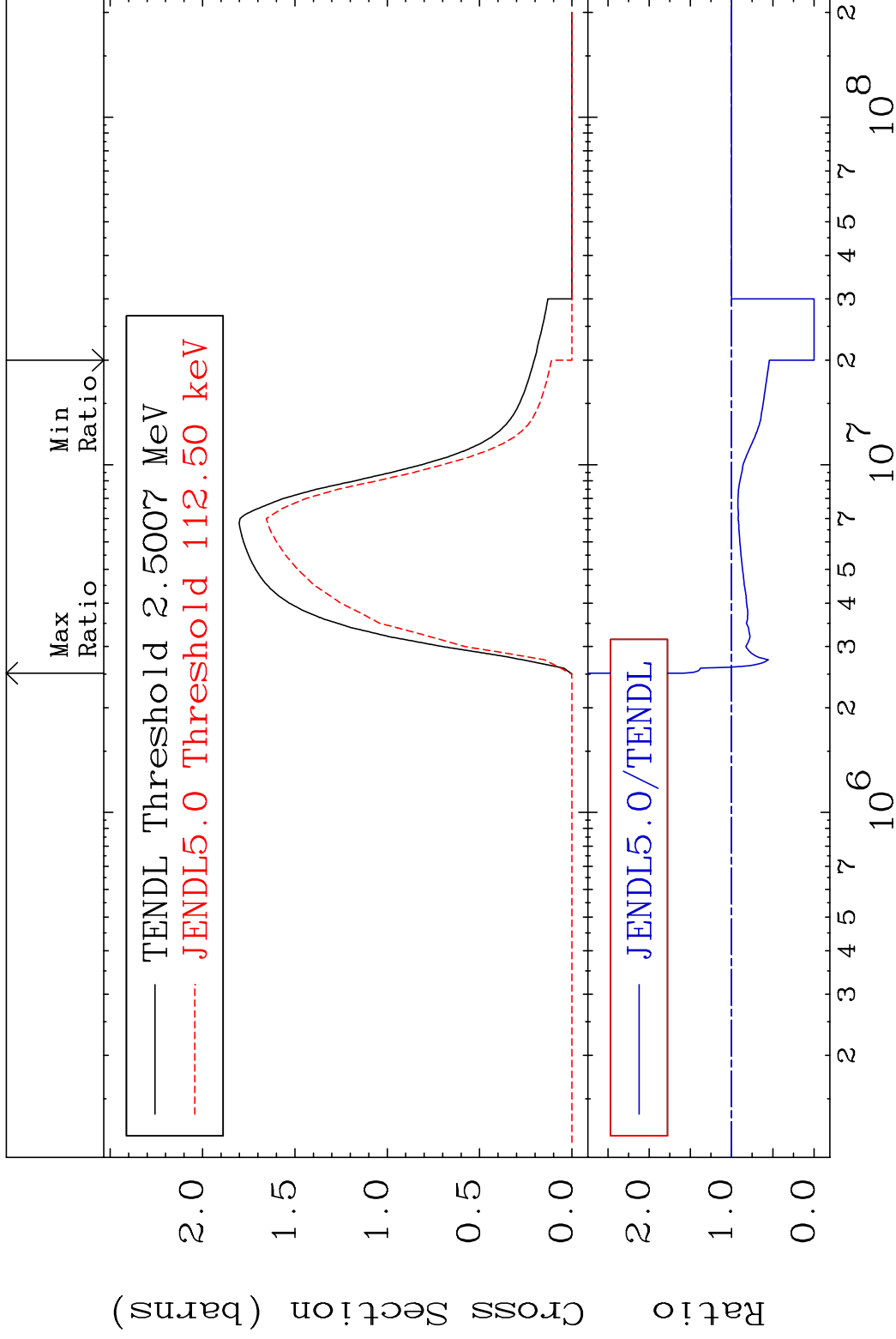


MAT 4034

(n, n') Continuum

40-Zr-93

Cross Section -100.0 To 58.37 %



42

Incident Energy (eV)

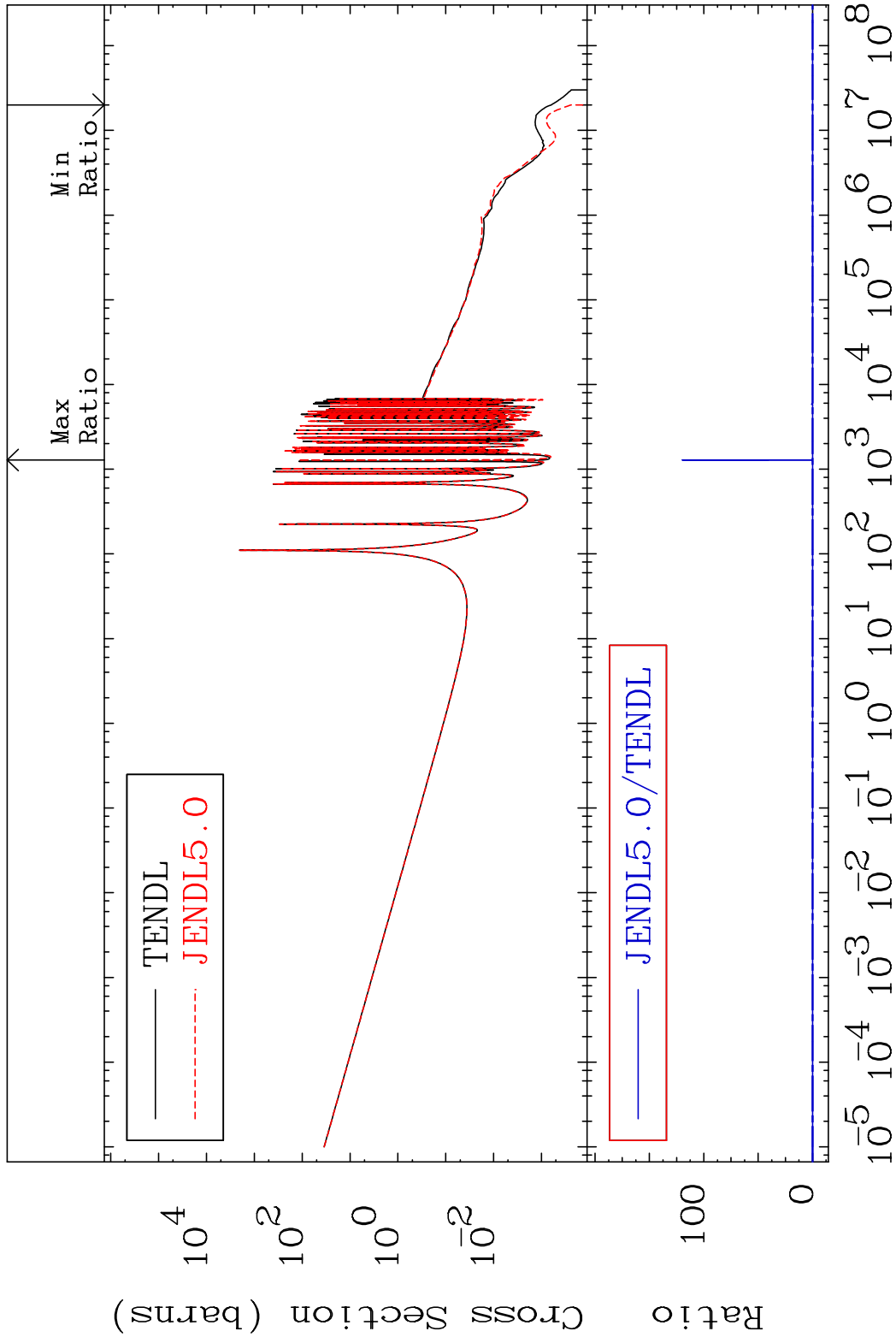
40-Zr-93

MAT 4034

(n, γ)

40-Zr-93

Cross Section -100.0 To 9999. %

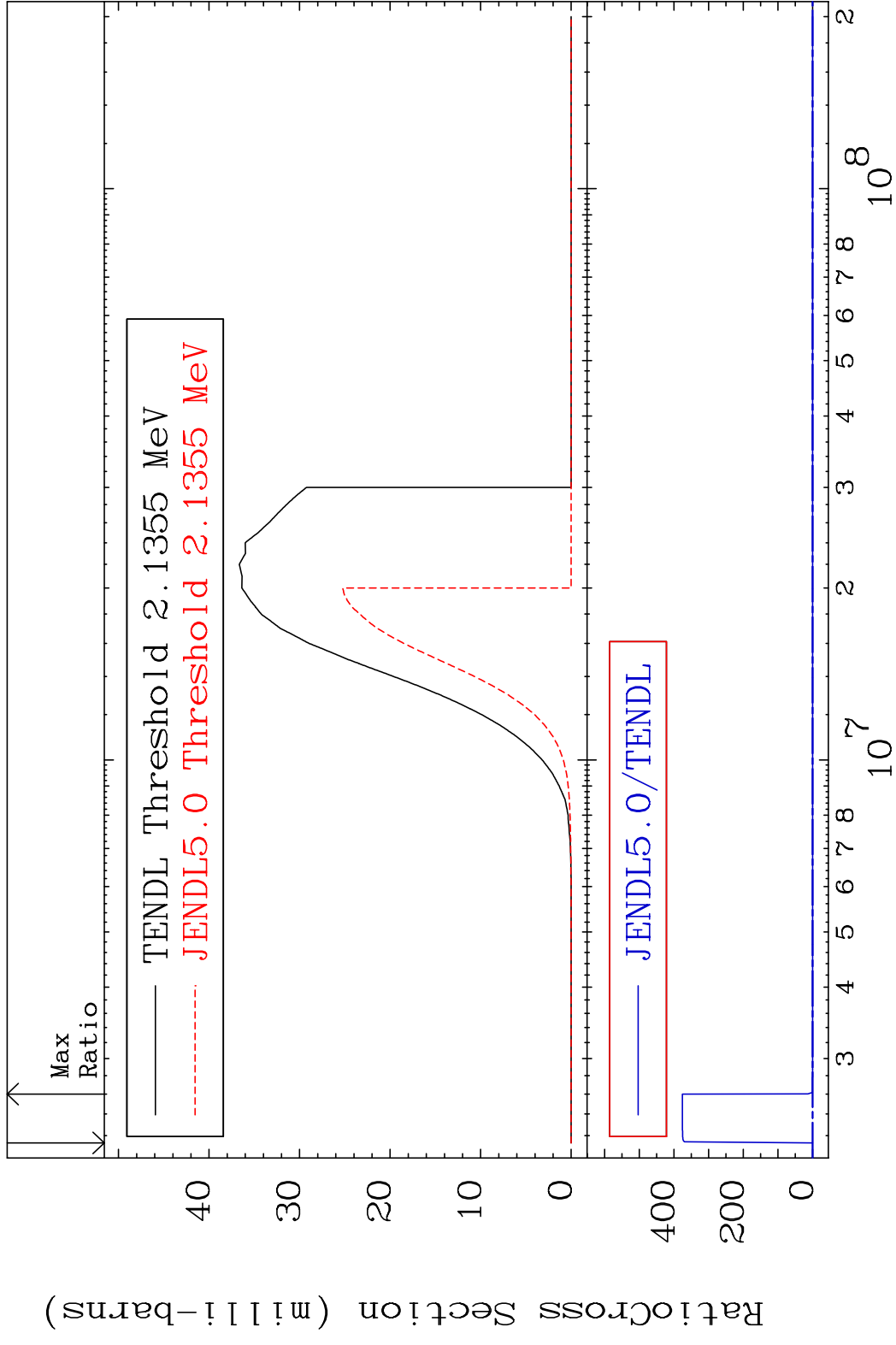


43

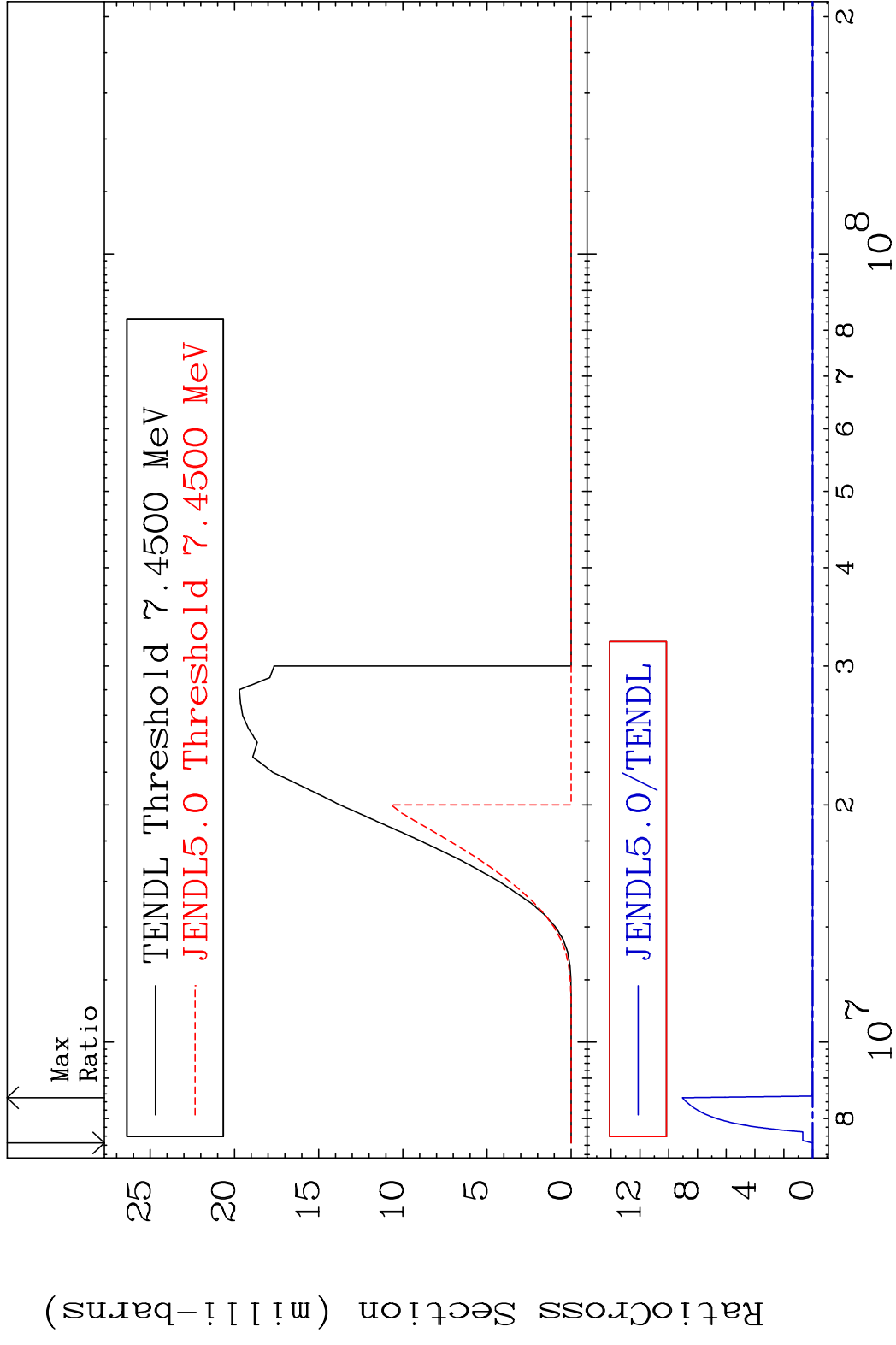
Incident Energy (eV)

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. %



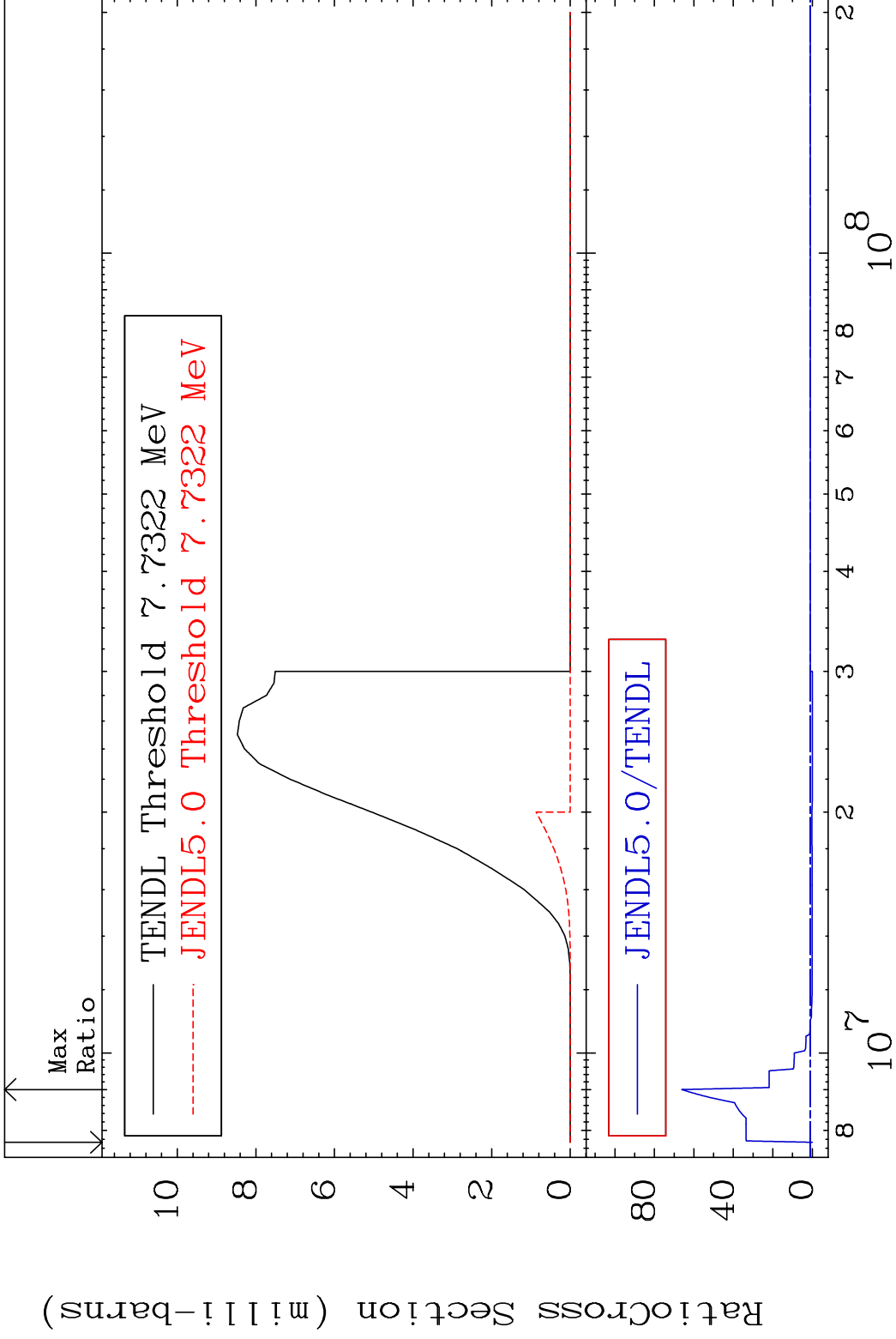
45 45 40-Zr-93

MAT 4034

(n, t)

40-Zr-93

Cross Section -100.0 To 6514. %



46

Incident Energy (eV)

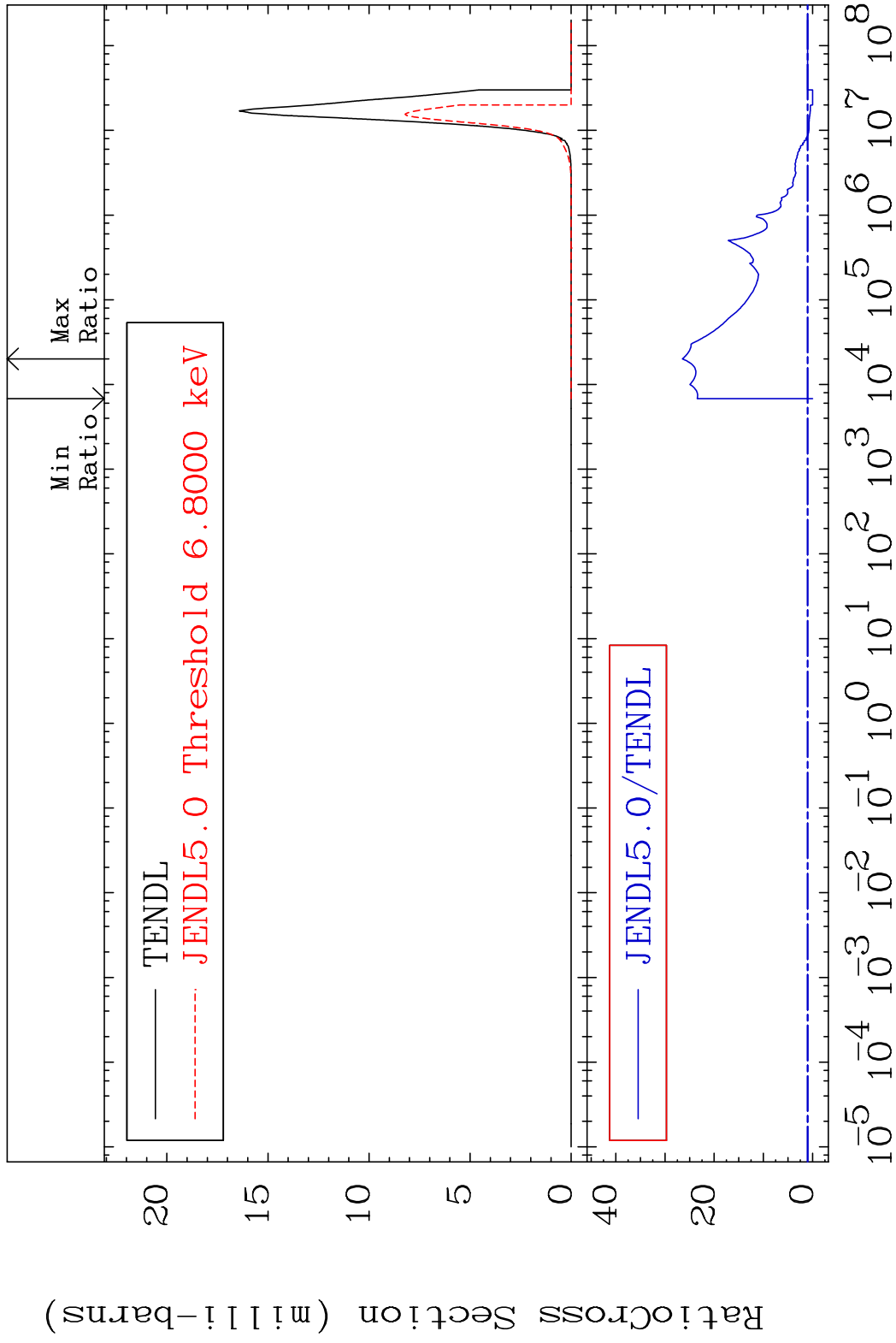
40-Zr-93

MAT 4034

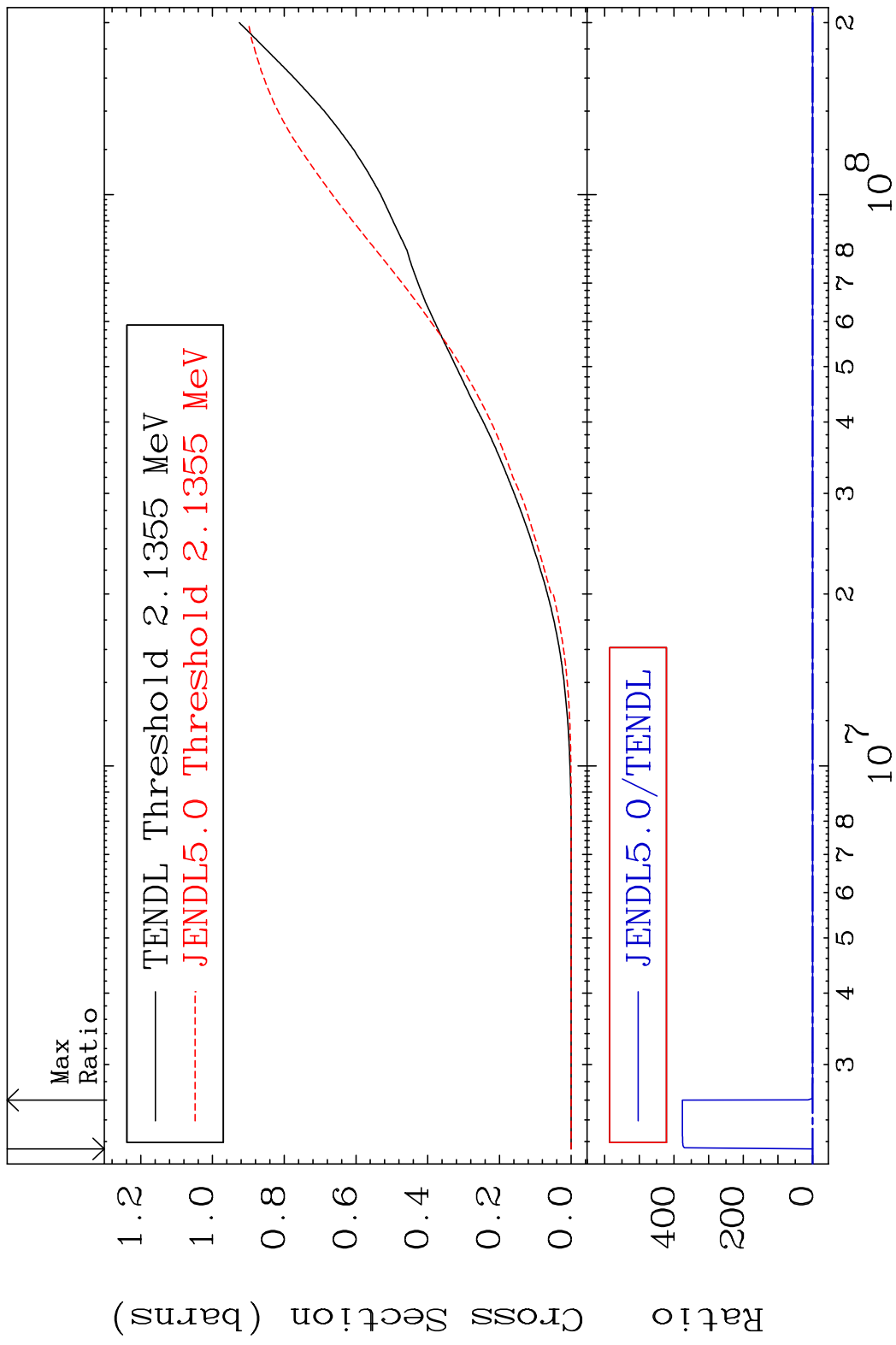
(n, α)

40-Zr-93

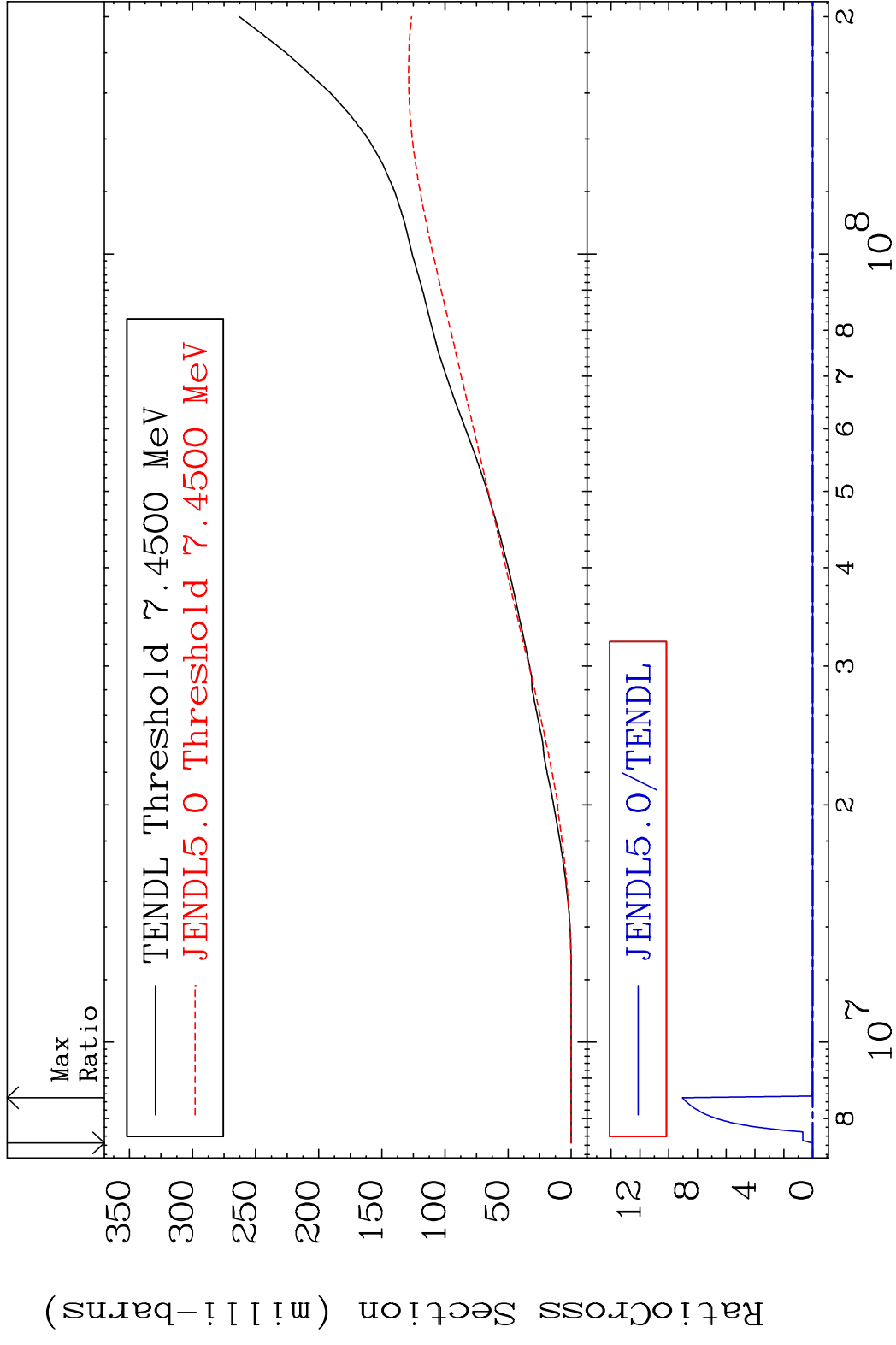
Cross Section -100.0 To 2547. %



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

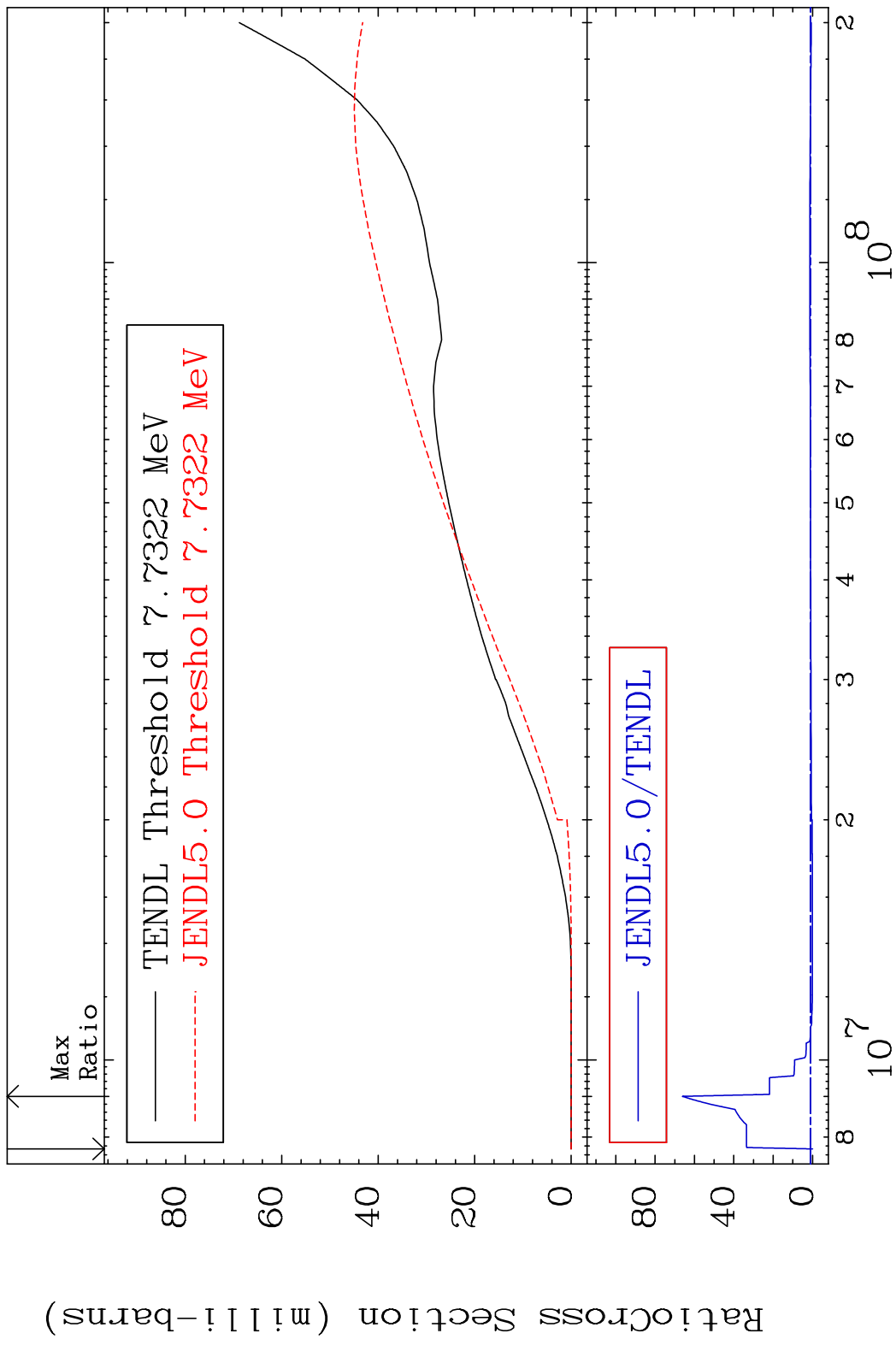


MAT 4034 Deuterium Production 40-Zr-93
 Cross Section -100.0 To 9999. %



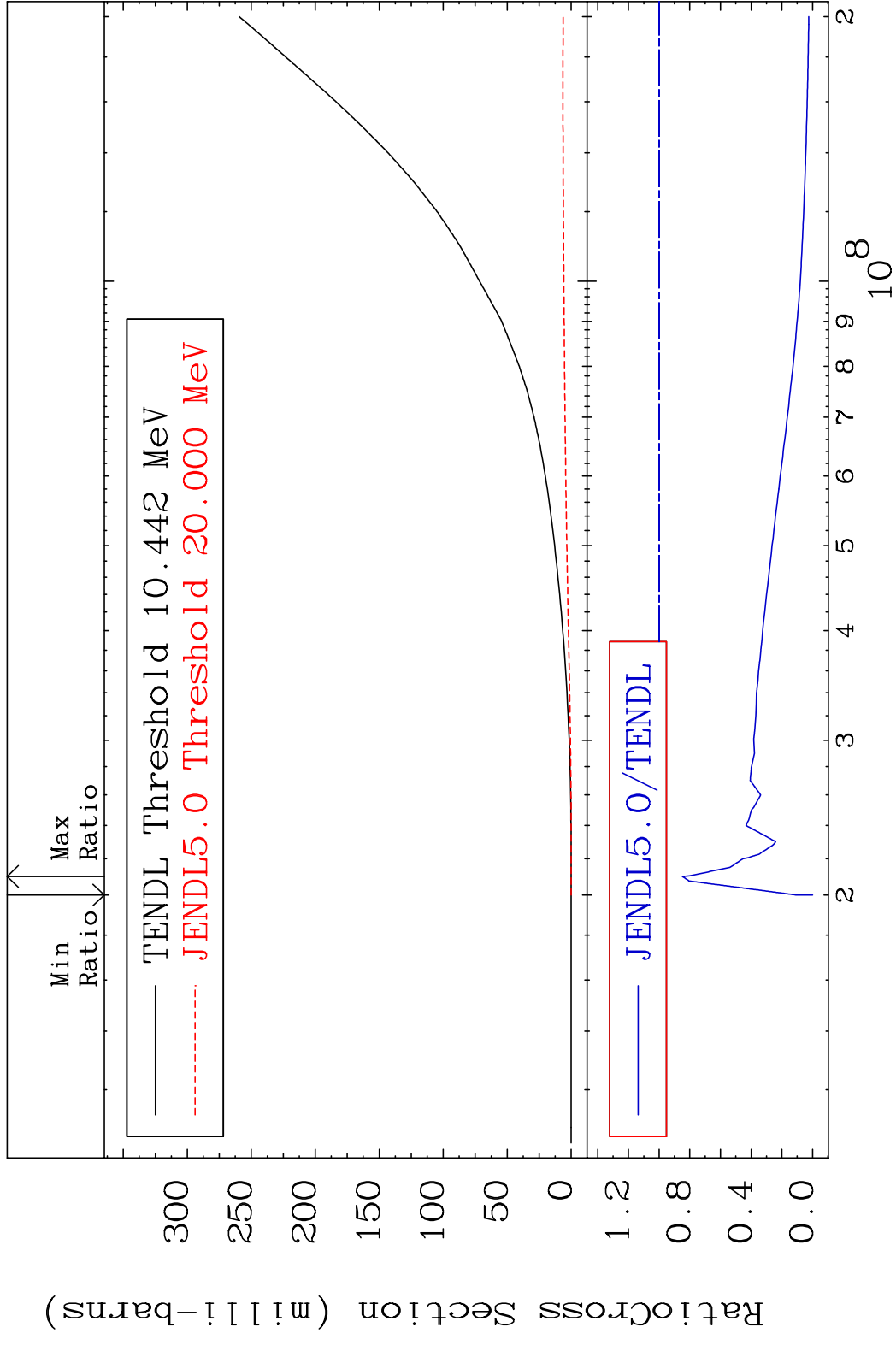
49 49 49 Incident Energy (eV) 40-Zr-93

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



50 Incident Energy (eV) 40-Zr-93

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

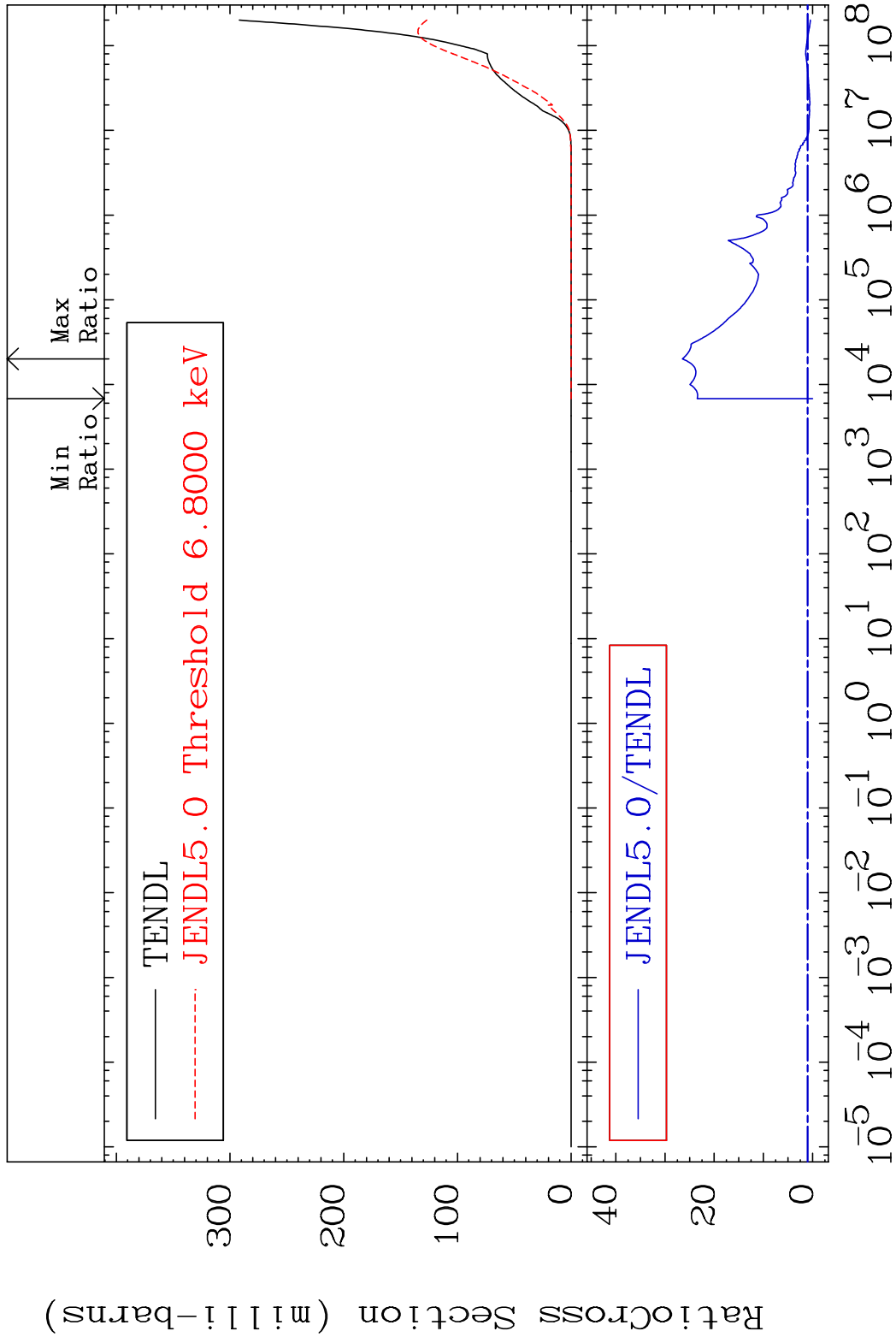


MAT 4034

He-4 Production

40-Zr-93

Cross Section -100.0 To 2547. %

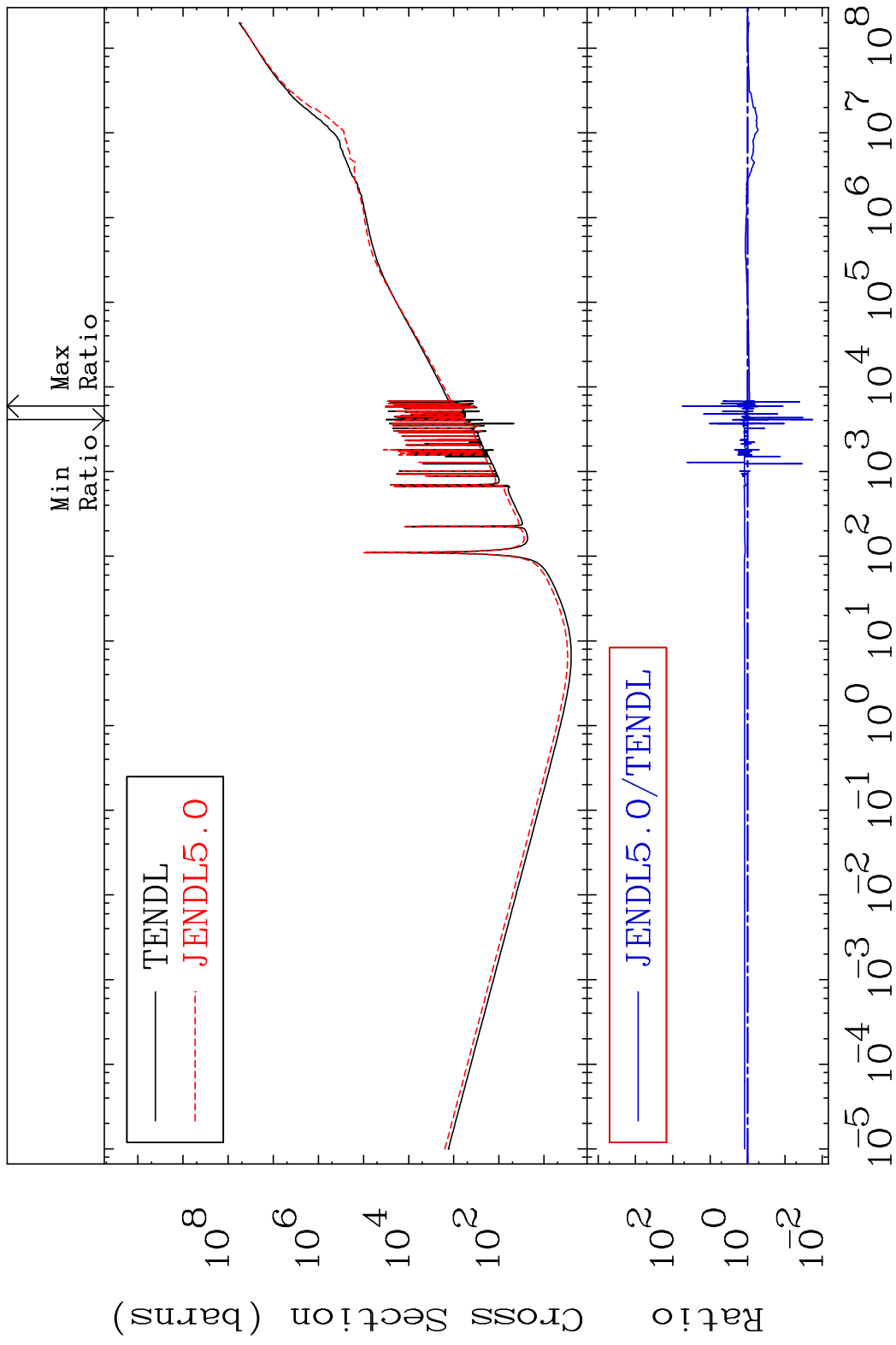


52

Incident Energy (eV)

40-Zr-93

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



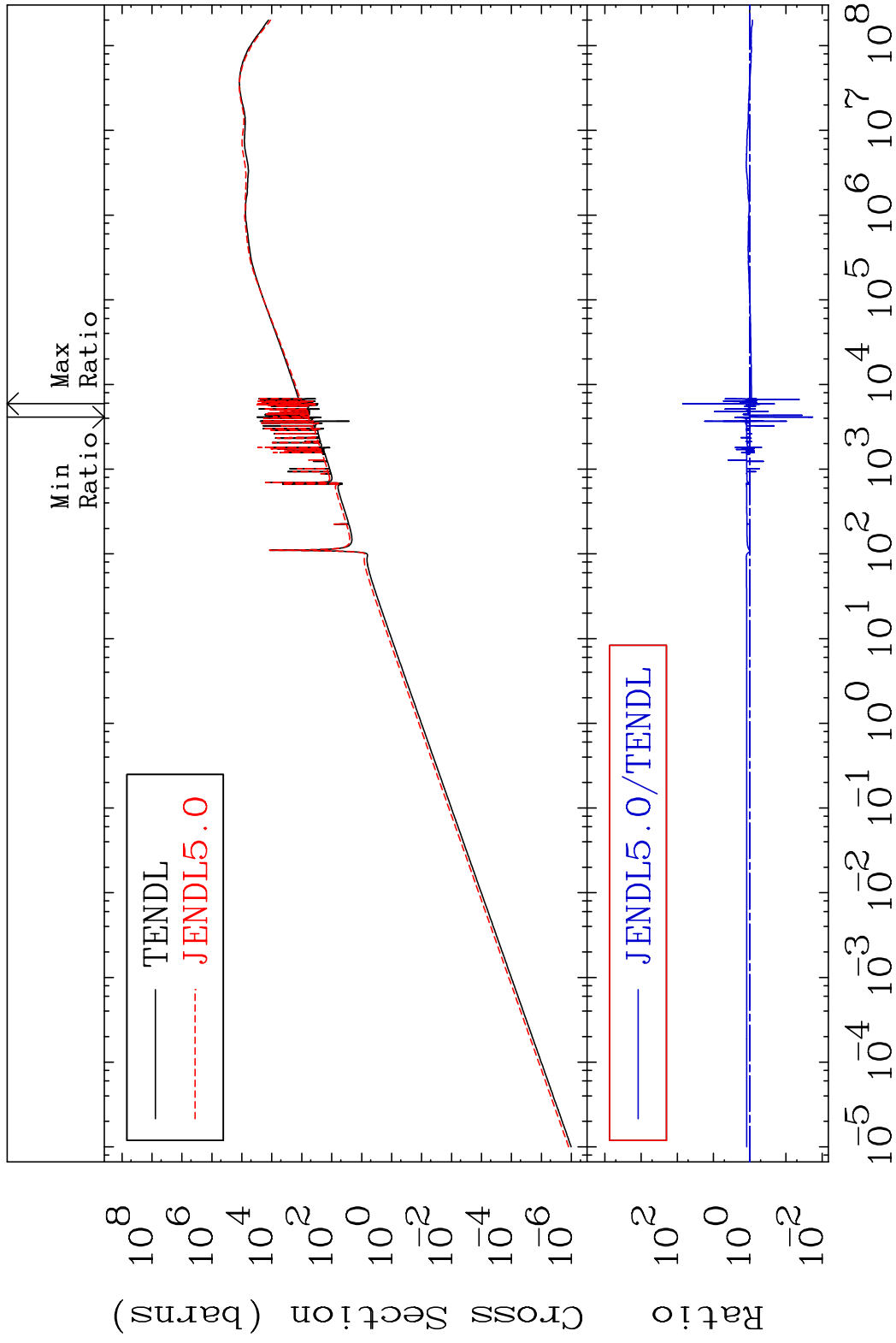
53 Incident Energy (eV) 40-Zr-93

MAT 4034

Kerma elastic

40-Zr-93

Cross Section -98.16 To 7149. %

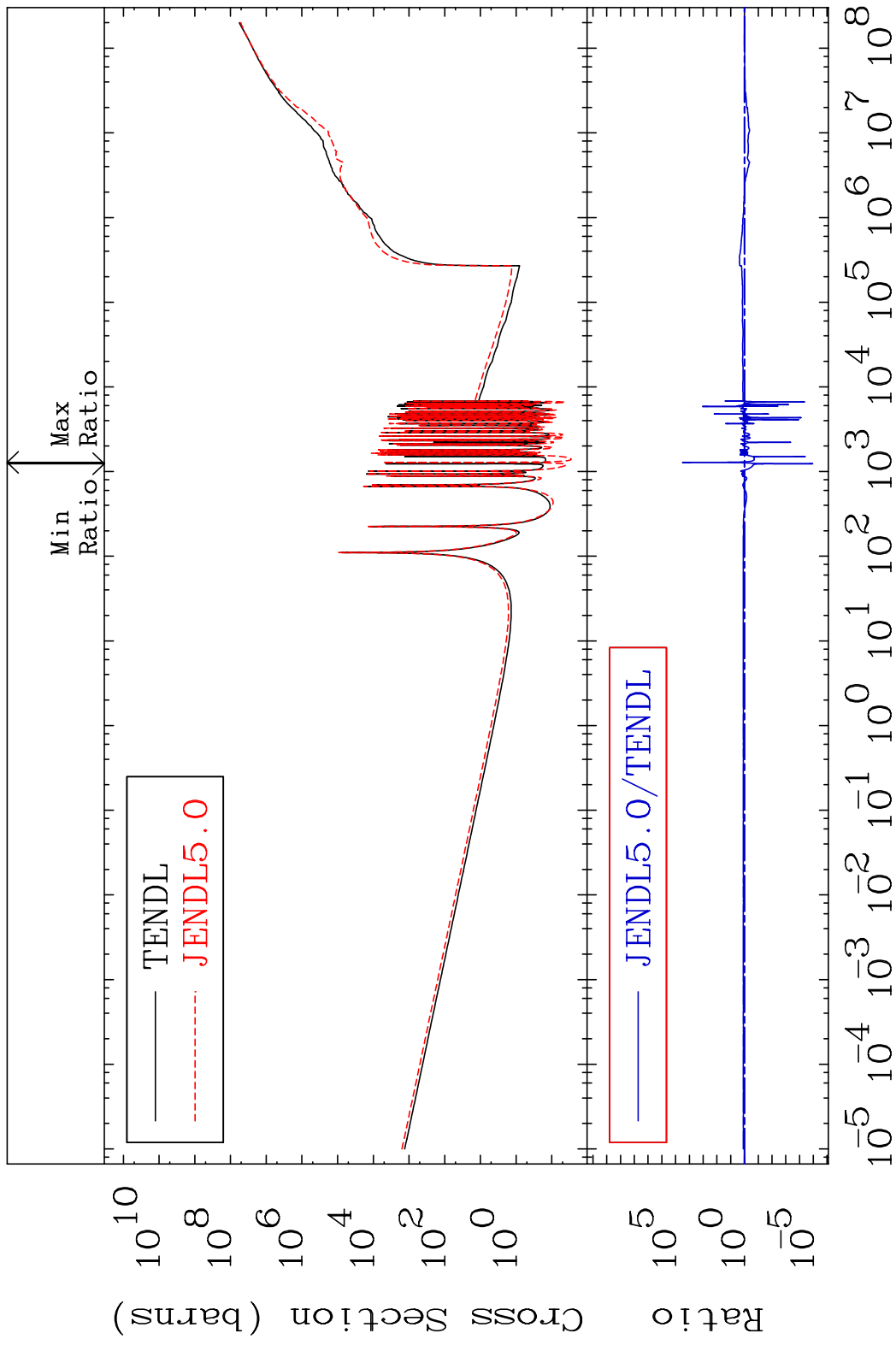


54

Incident Energy (eV)

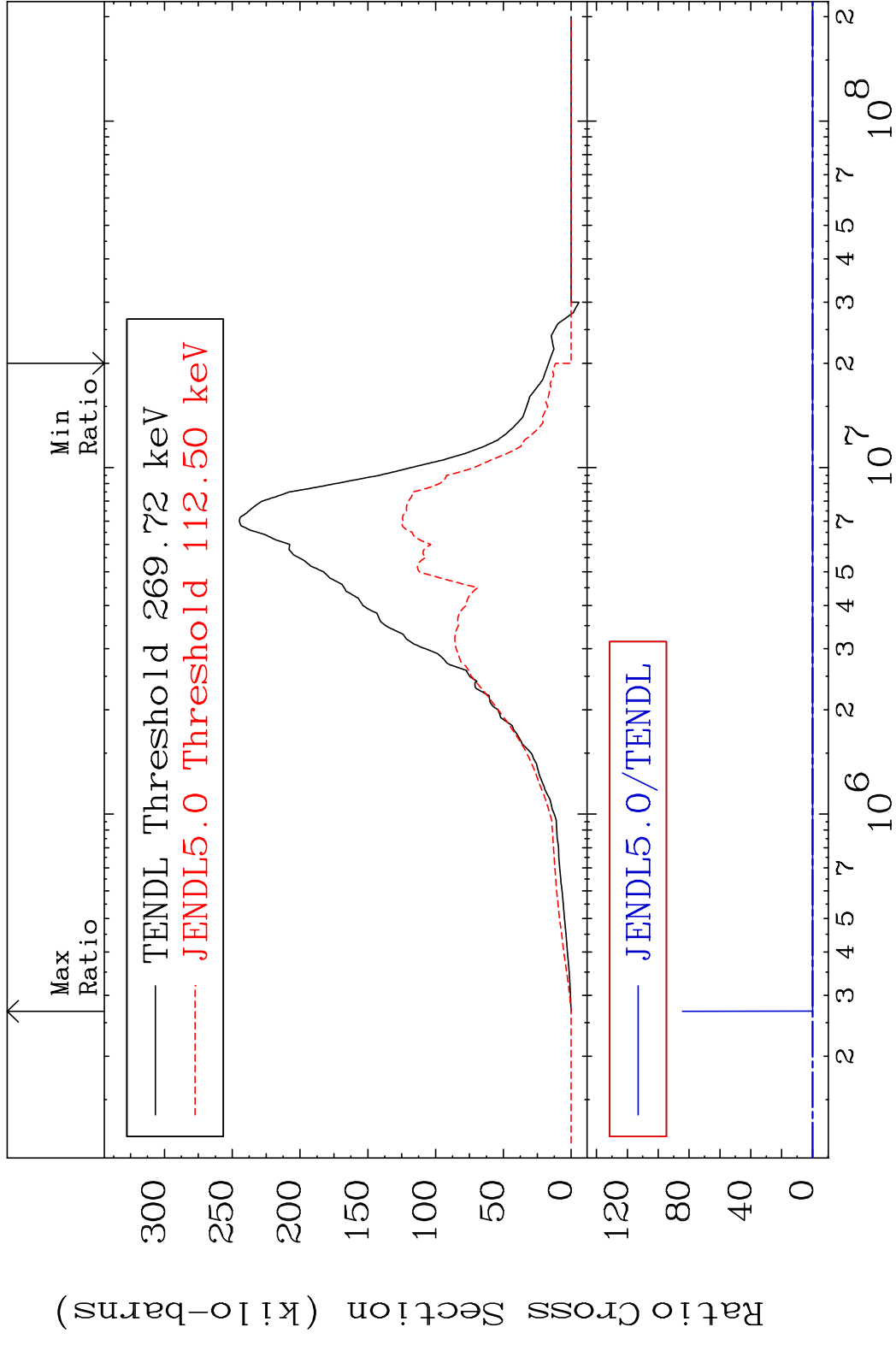
40-Zr-93

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

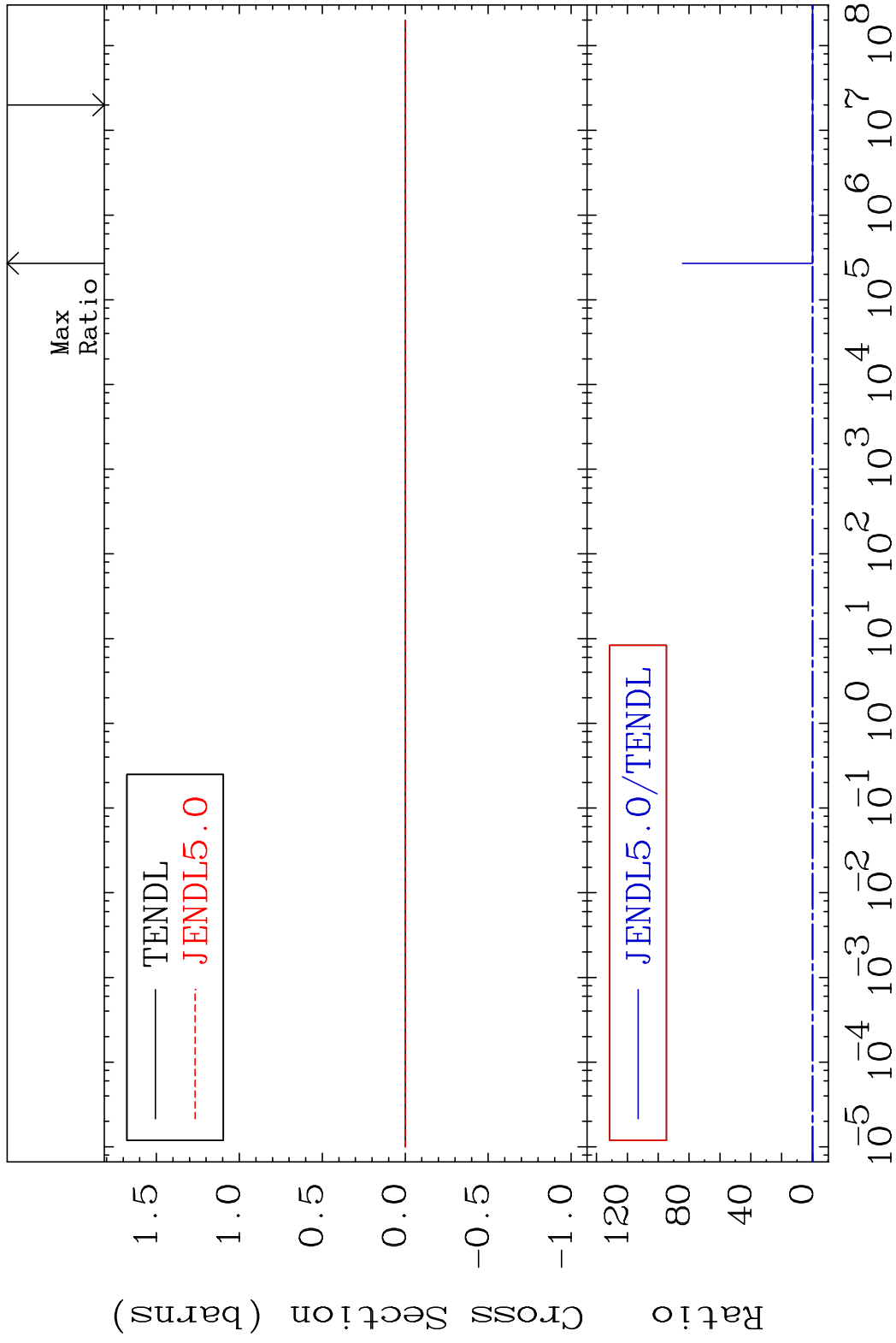


55 Incident Energy (eV) 40-Zr-93

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



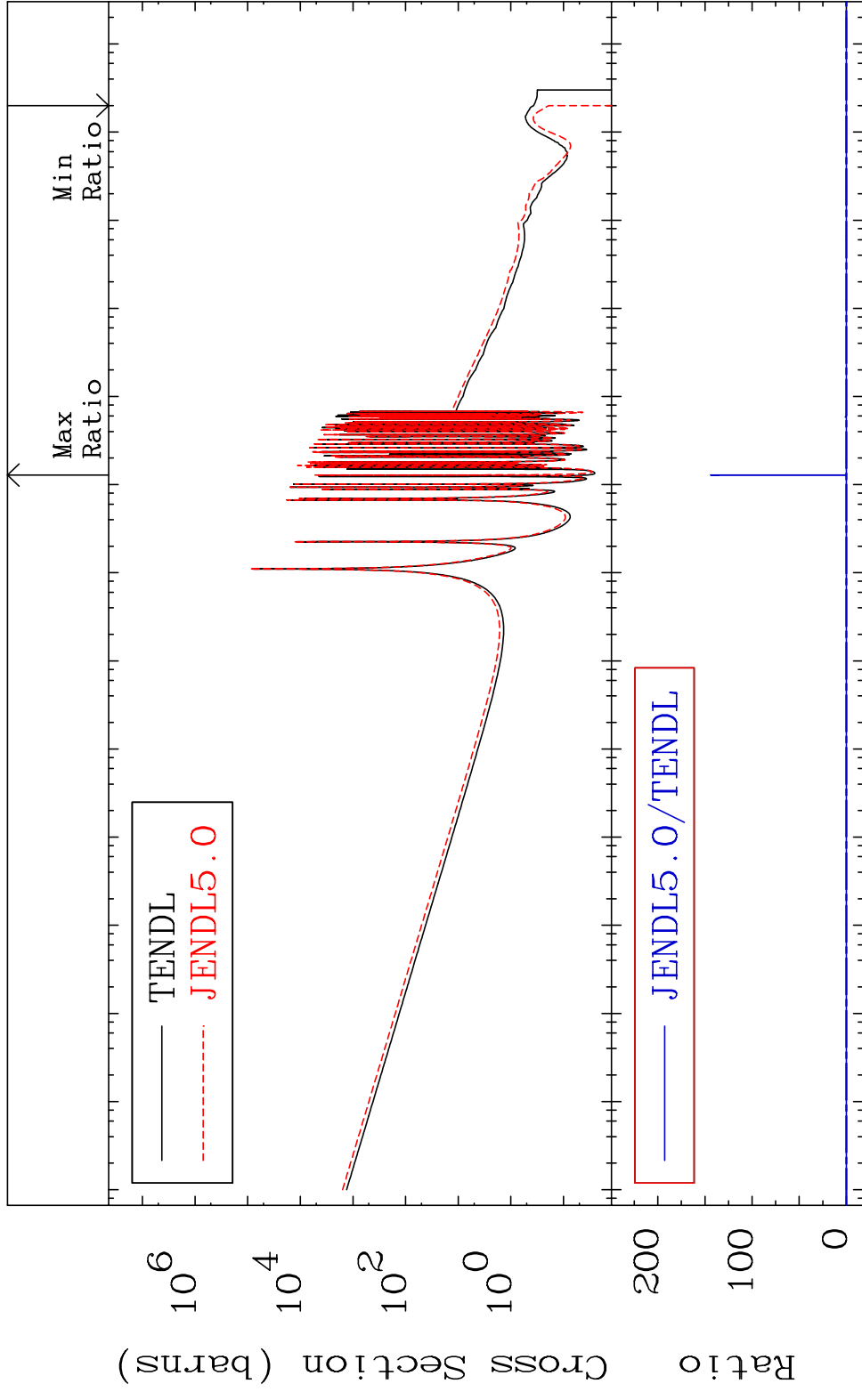
MAT 4034 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-93
 Cross Section -100.0 To 9999. %



MAT 4034

Kerma capture (mt102) 40-Zr-93

Cross Section -100.0 To 9999. %

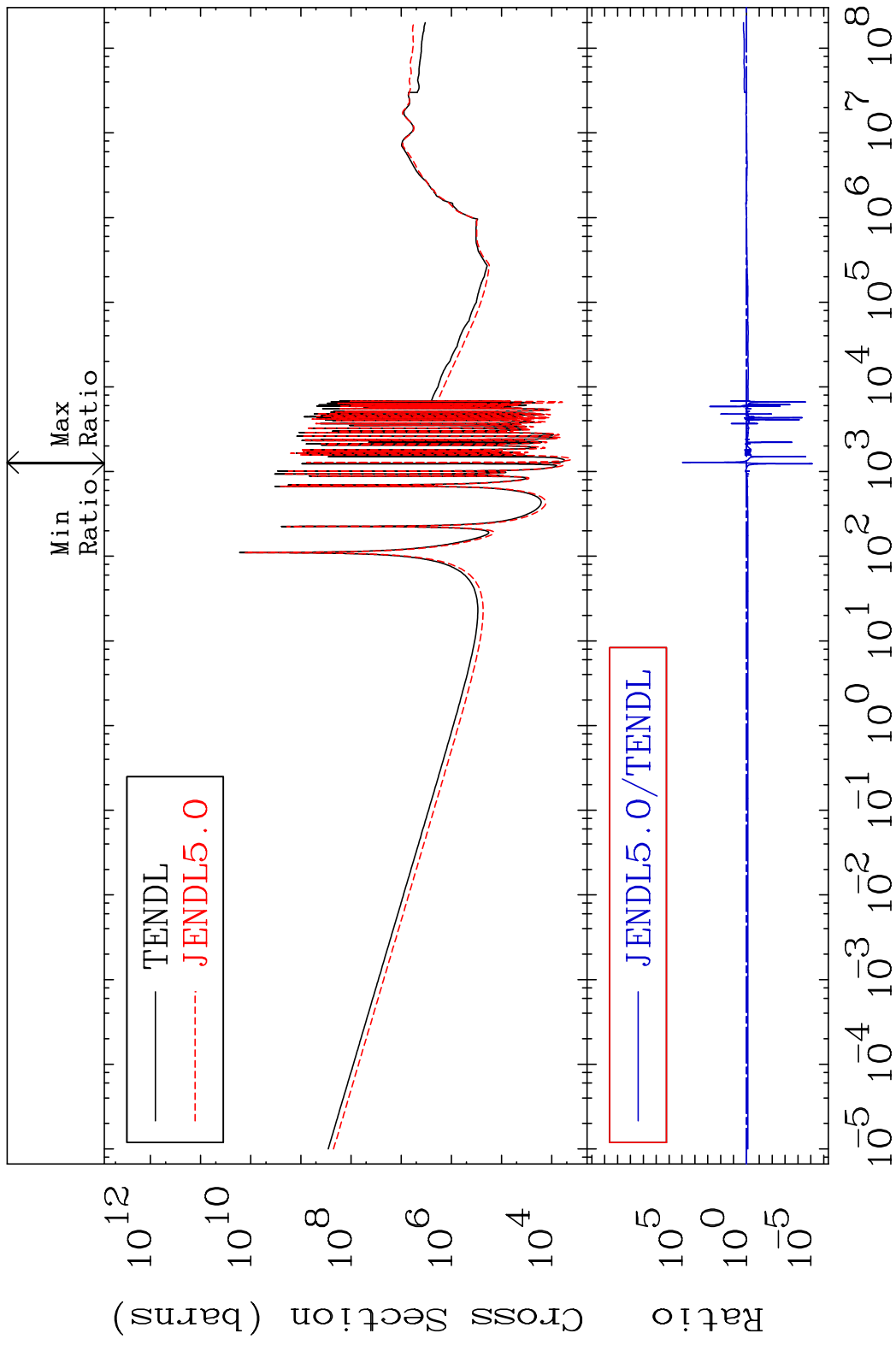


58

Incident Energy (eV)

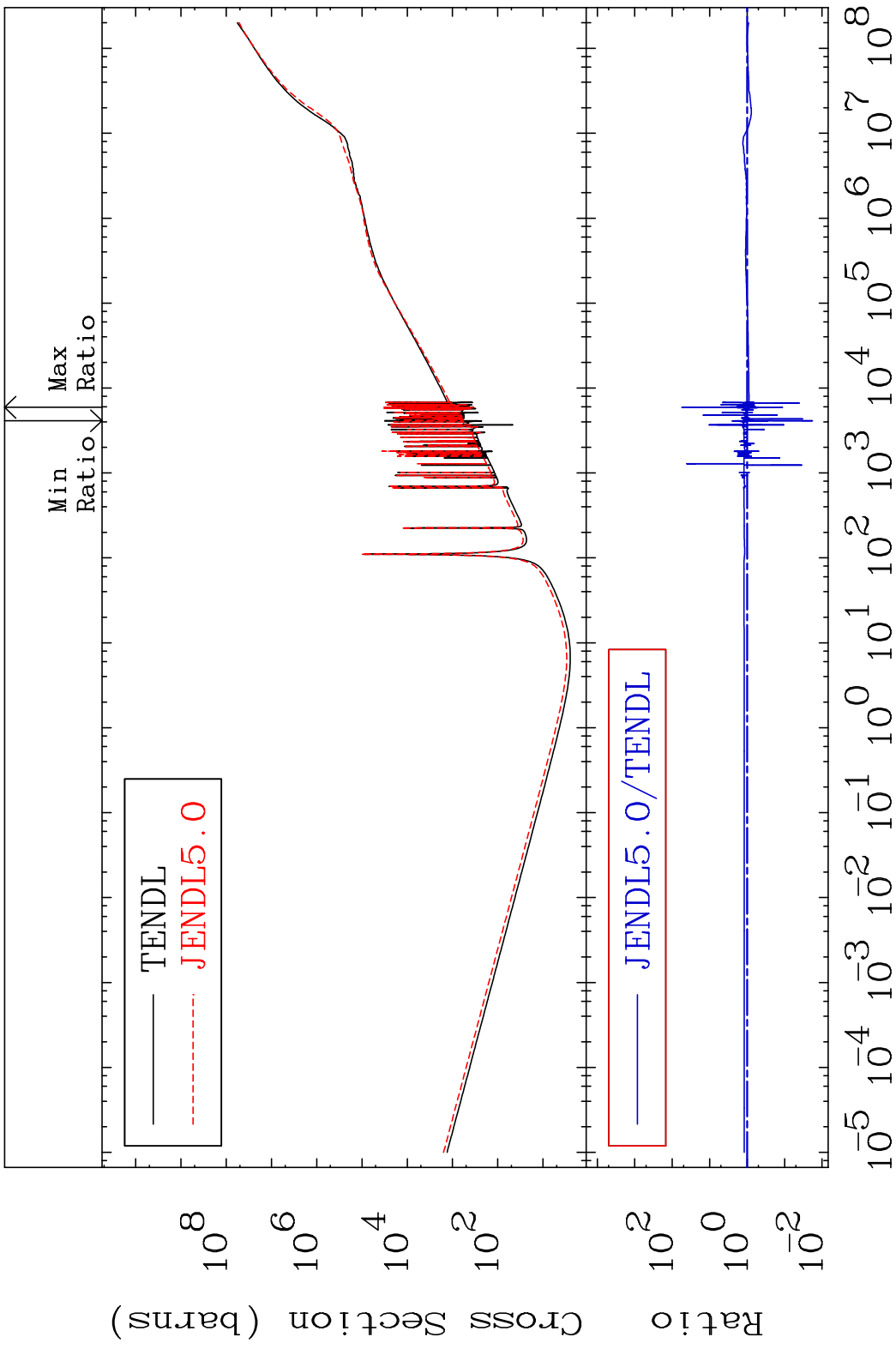
40-Zr-93

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. %

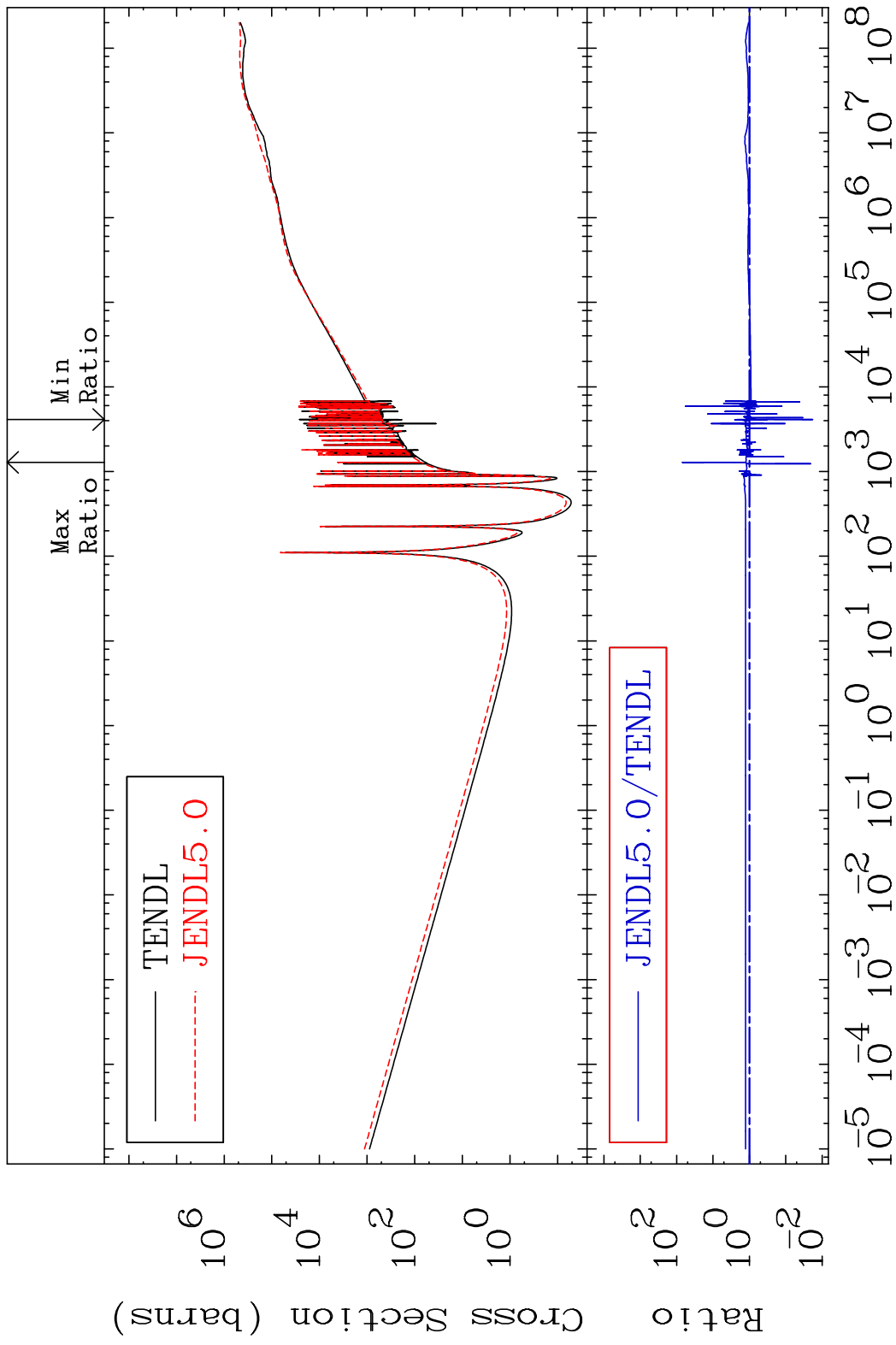


60

Incident Energy (eV)

40-Zr-93

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



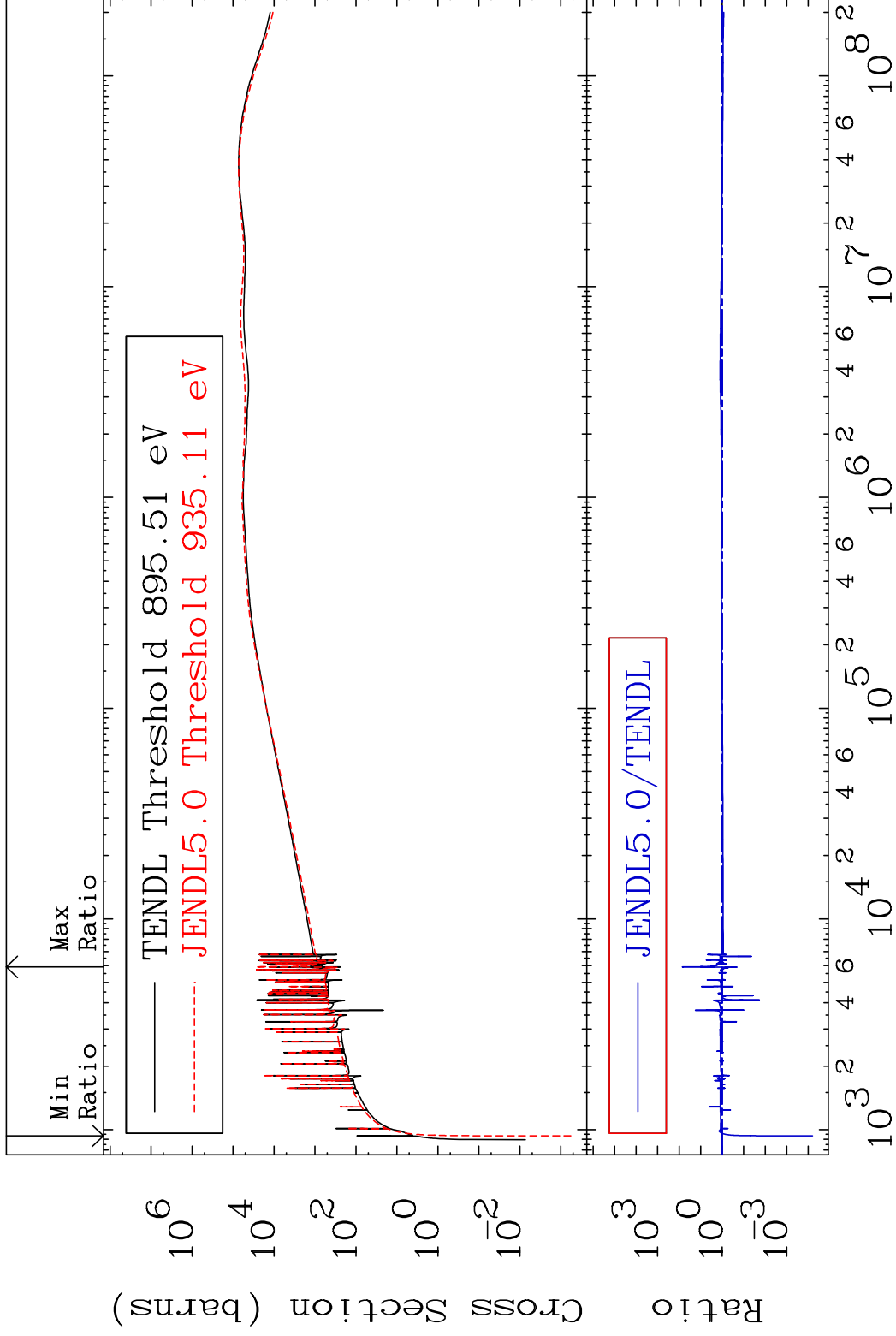
61 Incident Energy (eV) 40-Zr-93

MAT 4034

Dpa elastic (mt2)

40-Zr-93

Cross Section -99.99 To 7136. %

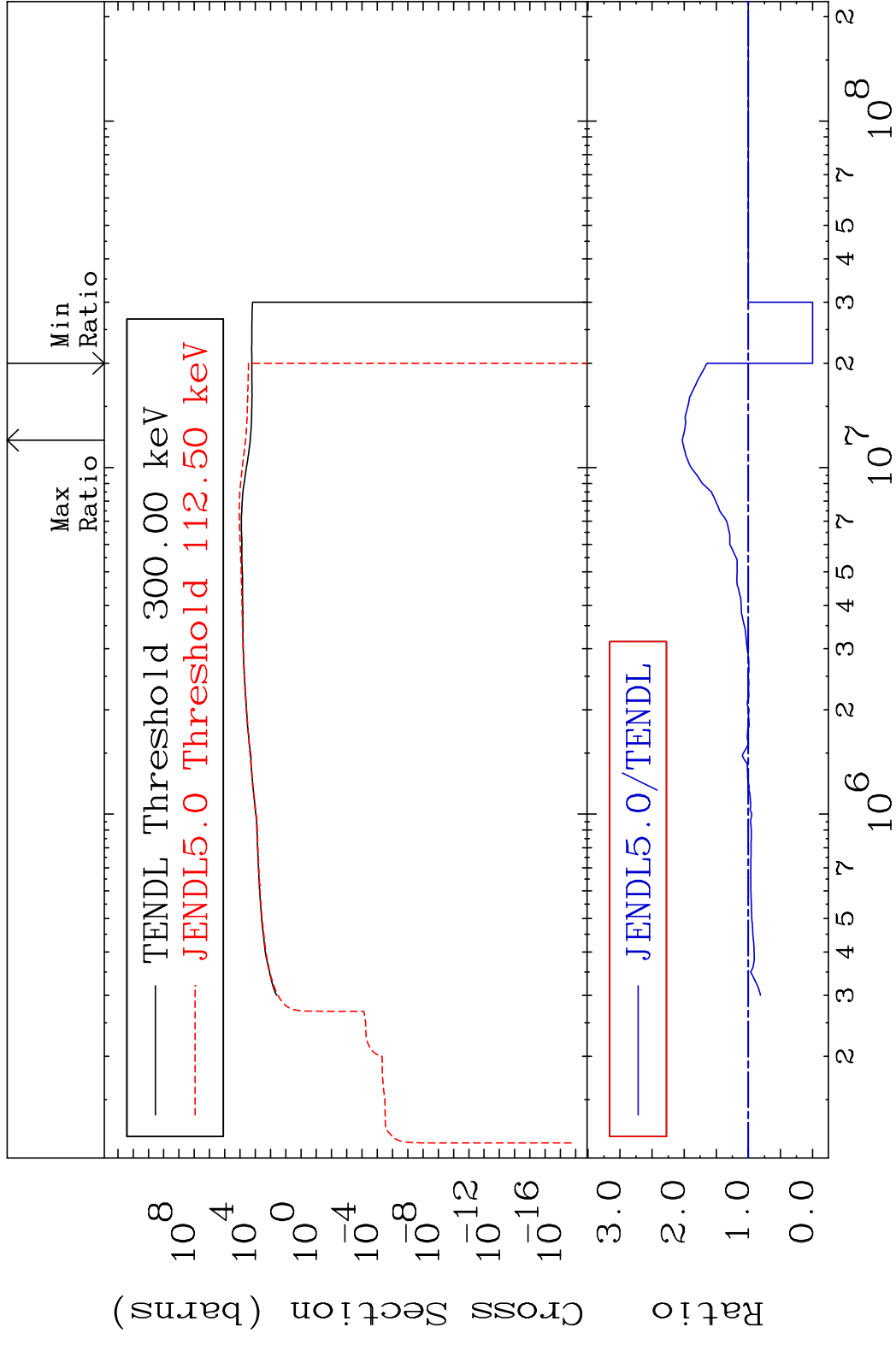


62

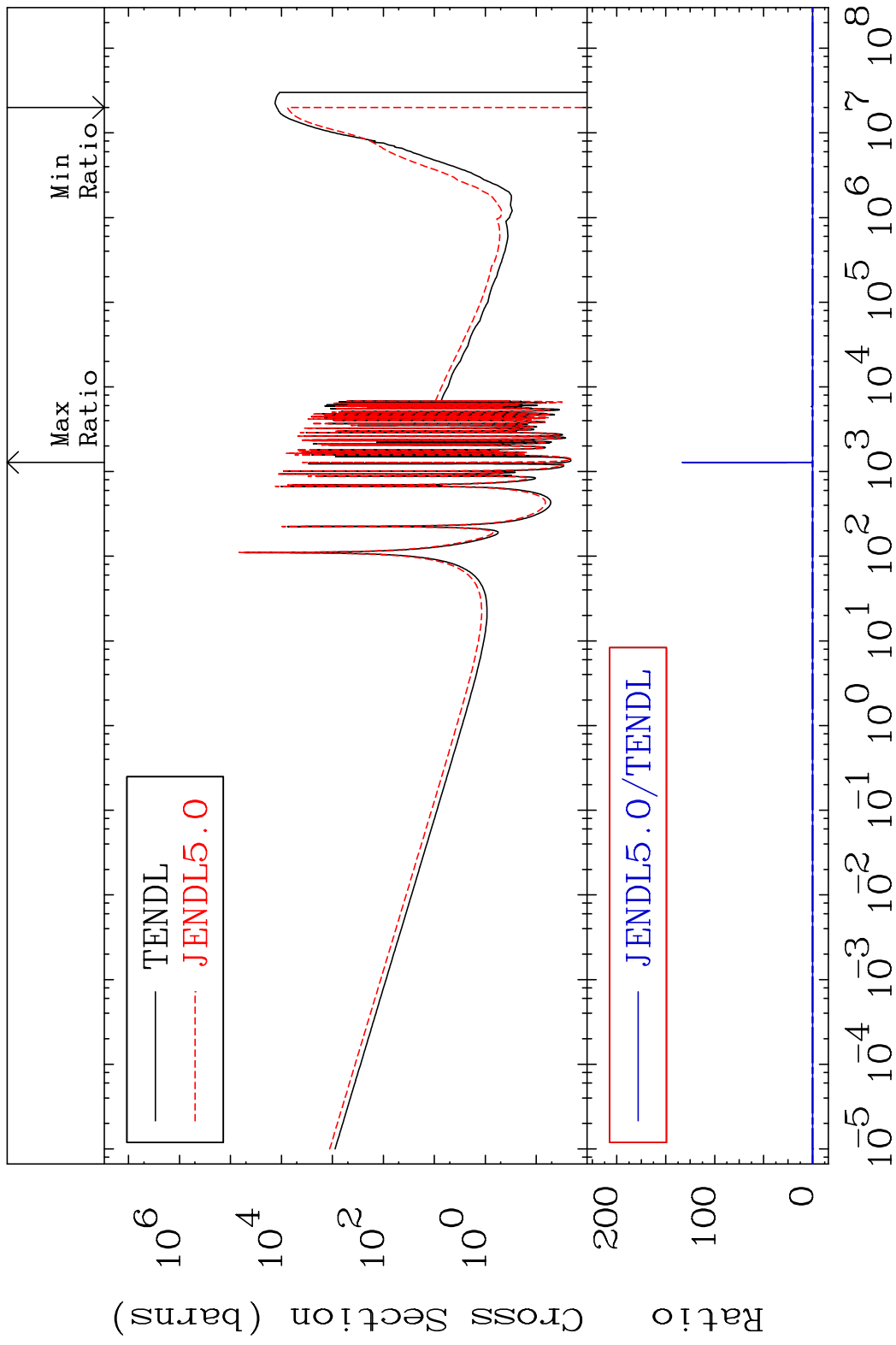
Incident Energy (eV)

40-Zr-93

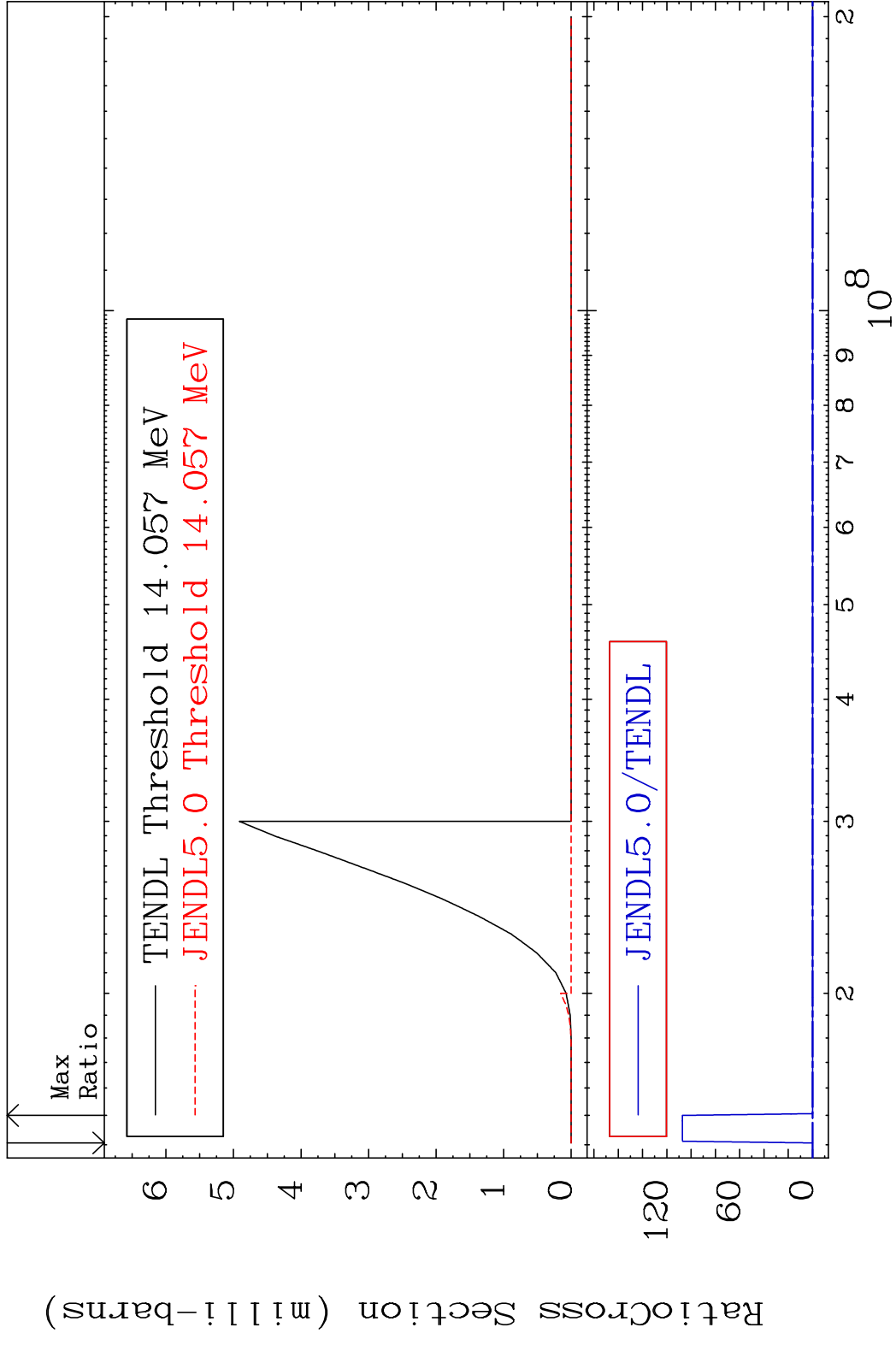
MAT 4034 Dpa inelastic (mt51-91) 40-Zr-93
 Cross Section -100.0 To 102.9 %



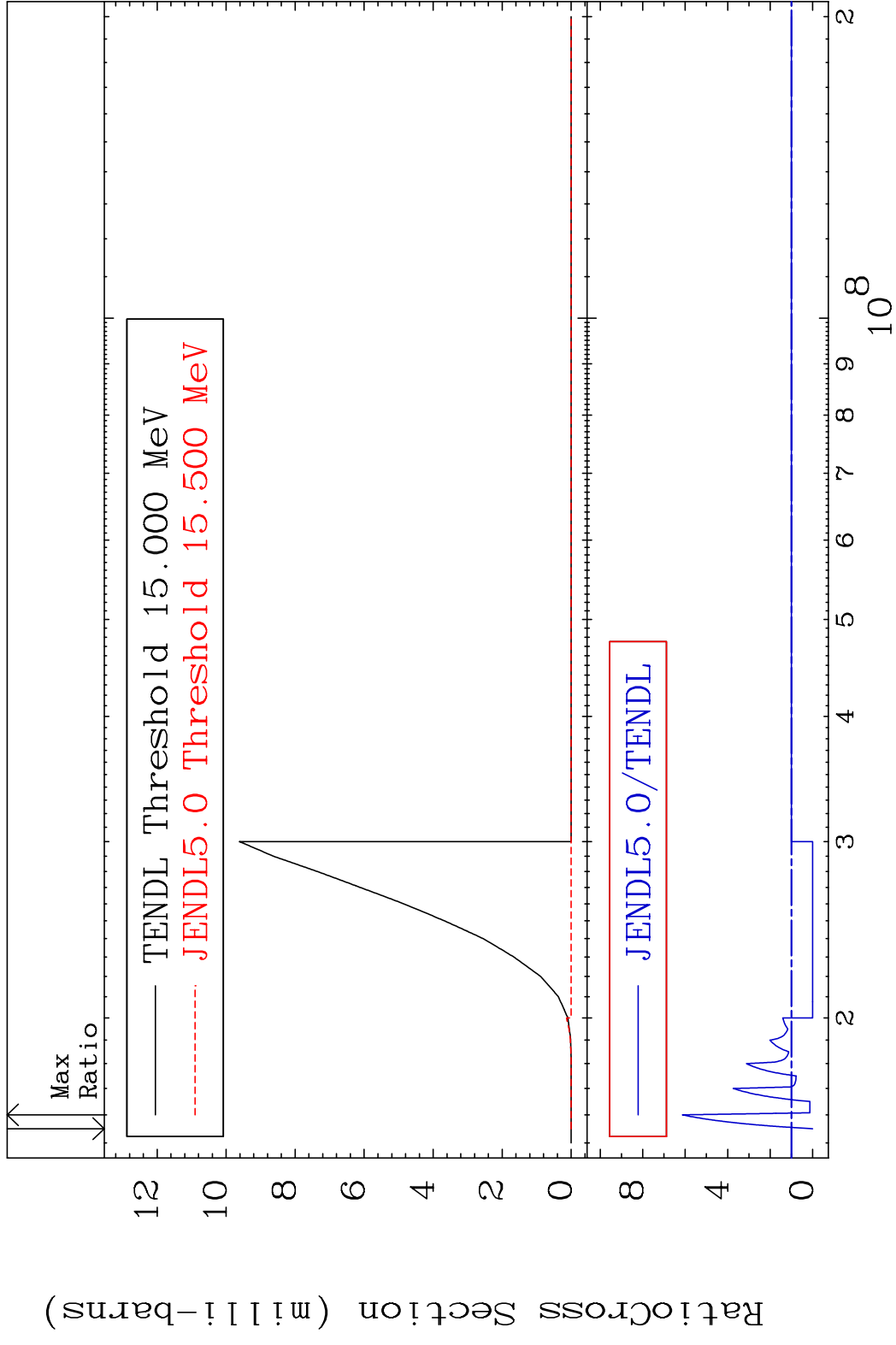
MAT 4034 Dpa disappearance (mt102 -120) 40-Zr-93
Cross Section -100.0 To 9999. %



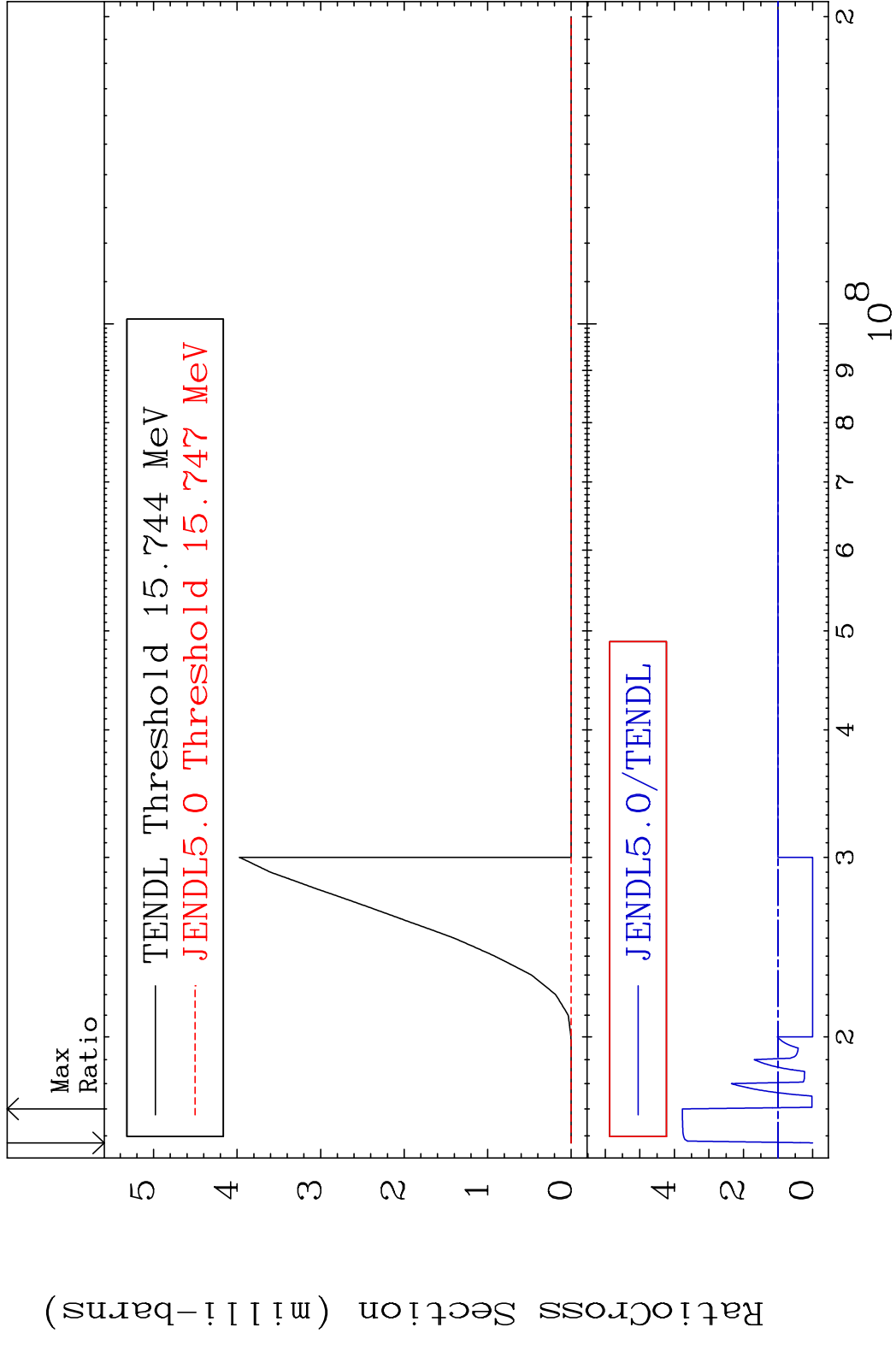
64 Incident Energy (eV) 40-Zr-93

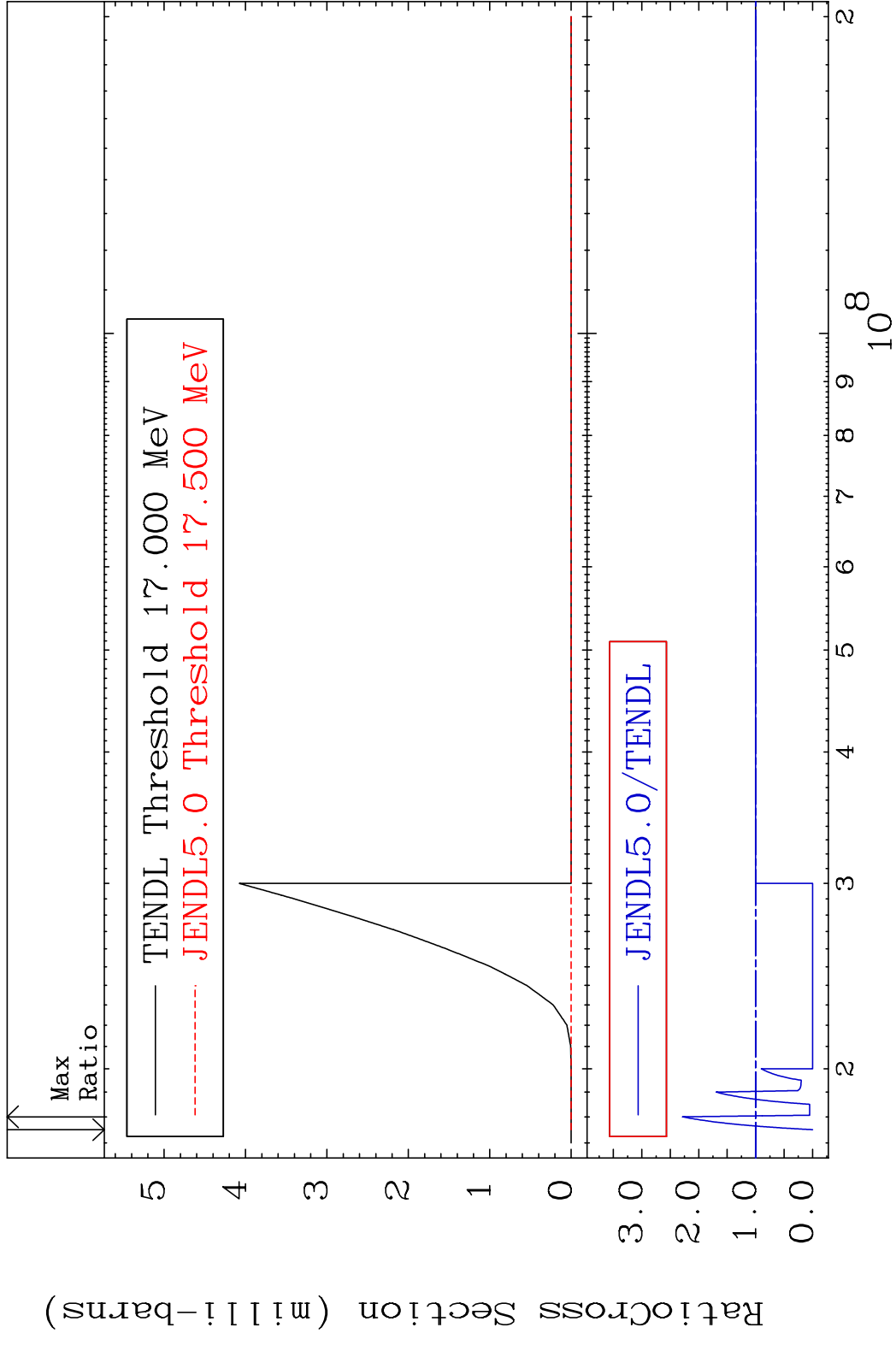


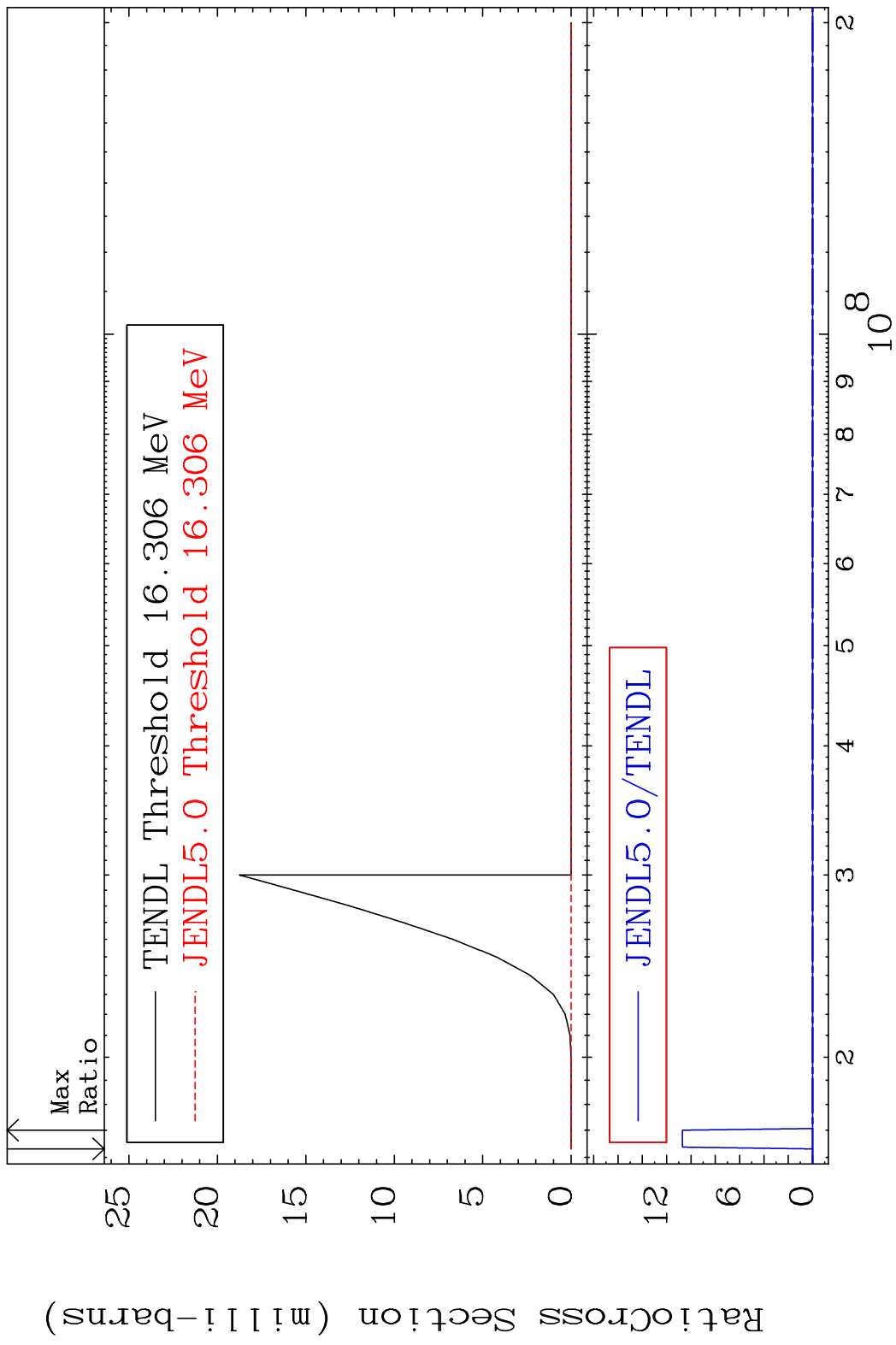
MAT 4034 (n, n') d:39-Y -91m1 40-Zr-93
 Radionuclide Production Cross Section 180.0 dth 513.5 %



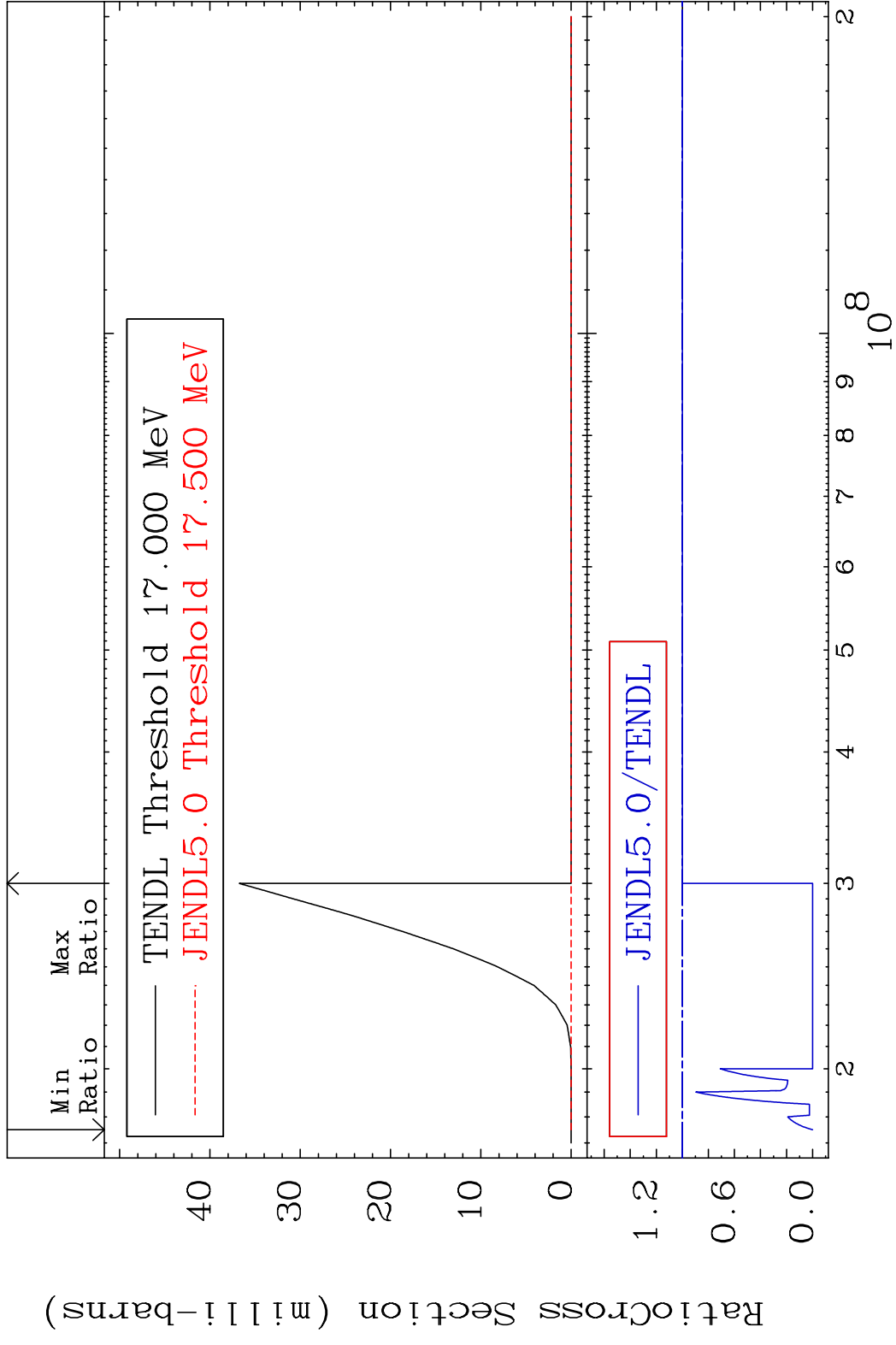
MAT 4034 (n, n') t:39-Y -90g 40-Zr-93
 Radionuclide Production Cross Section 180.0 dth 276.8 %



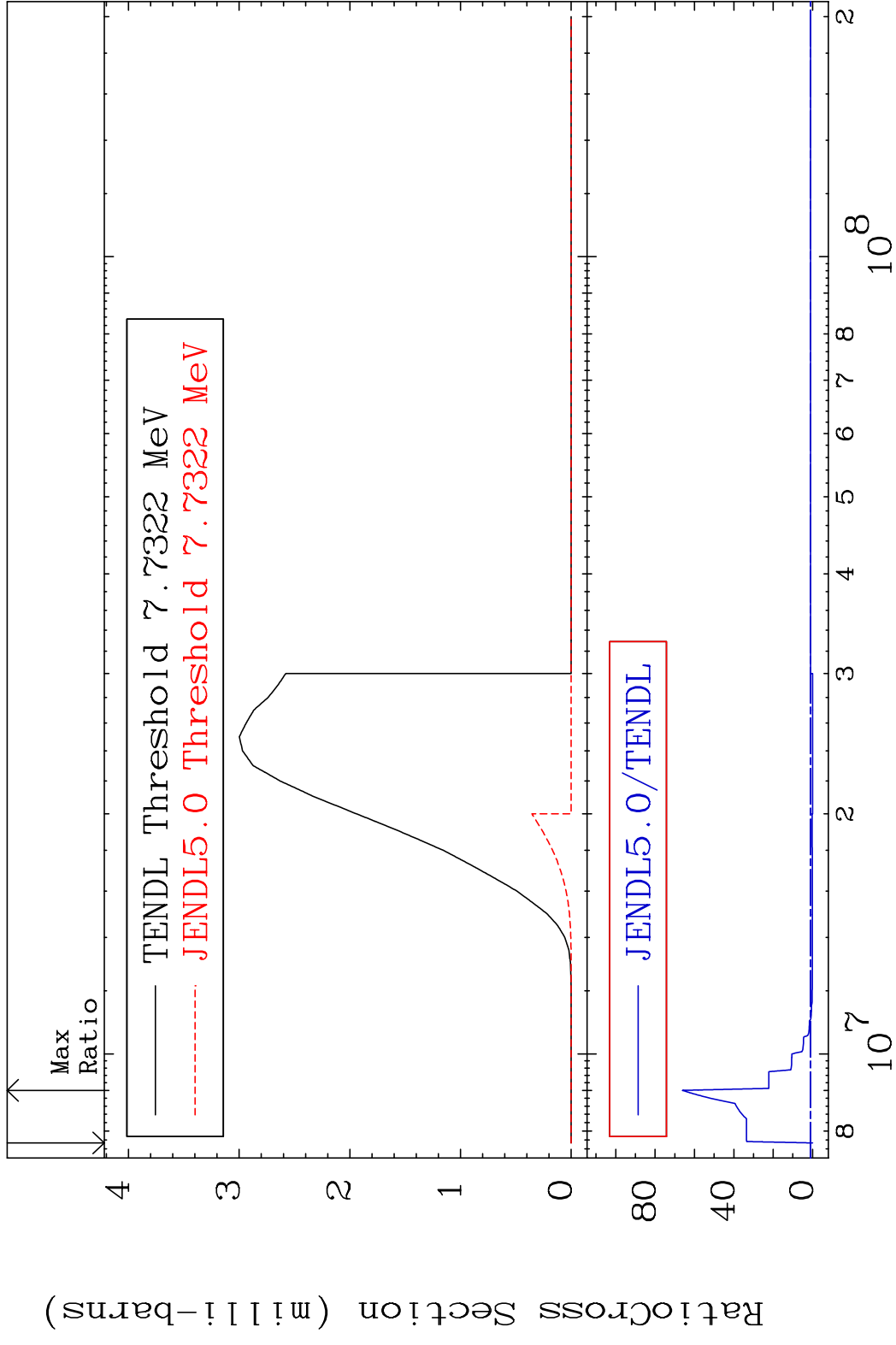




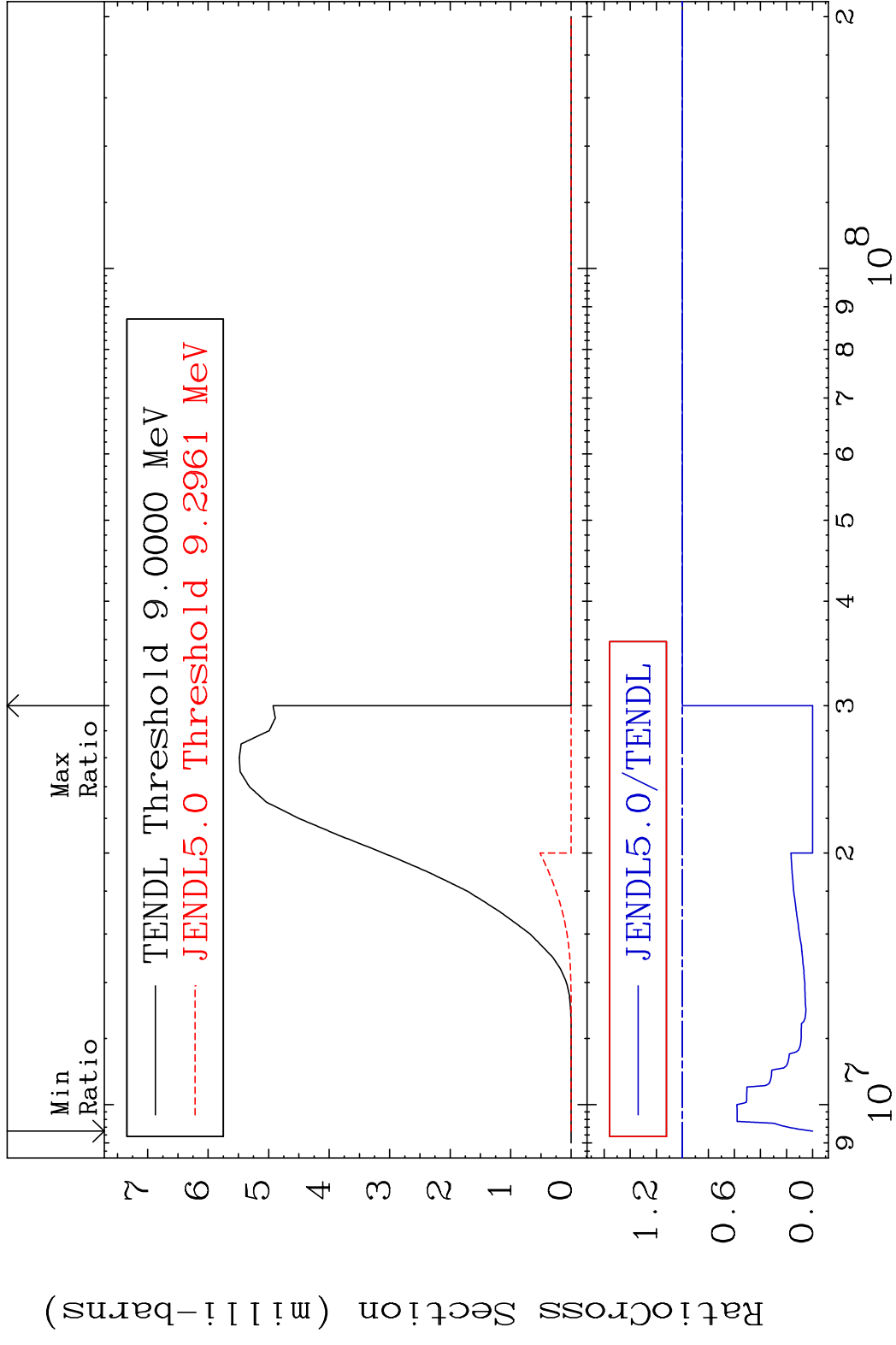
MAT 4034 (n,2n) p:39-Y -91m1 40-Zr-93
 Radionuclide Production Cross Section Ratio 0.000 %



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 %



72 Incident Energy (eV) 40-Zr-93