

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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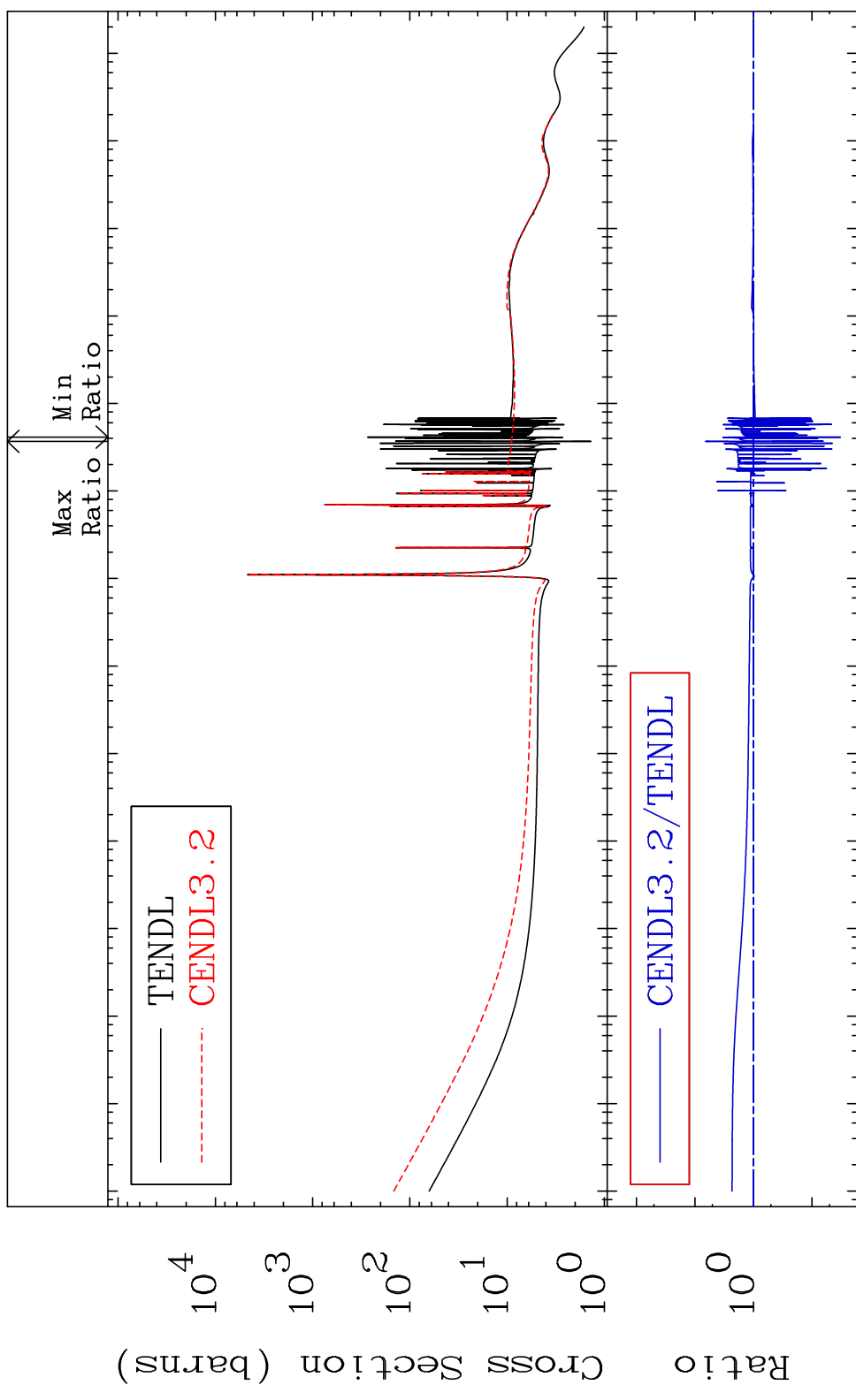
Press Mouse Button to Start

MAT 4034

Total

40-Zr-93

Cross Section -96.75 To 551.6 %



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

Incident Energy (eV)

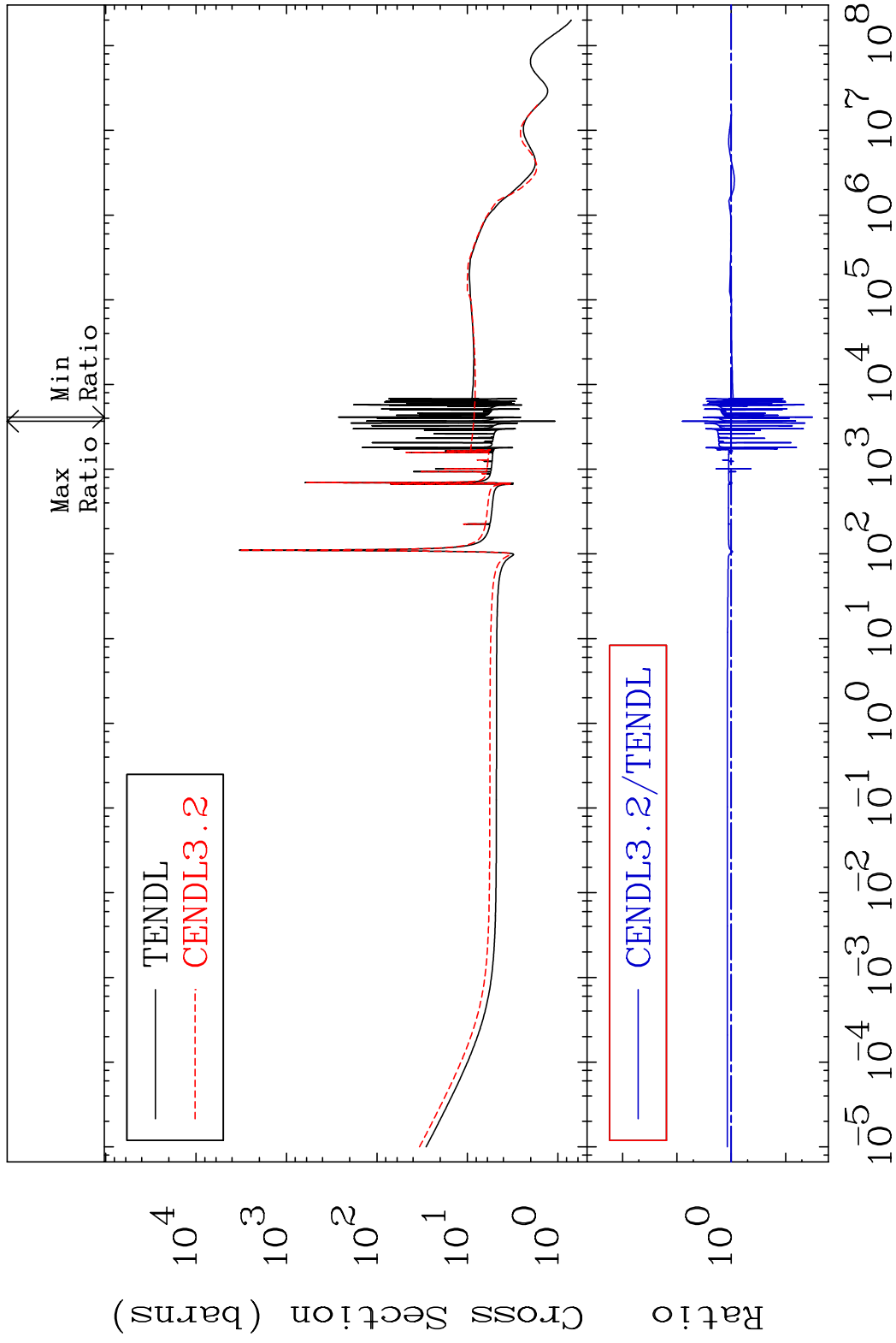
40-Zr-93

MAT 4034

Elastic

40-Zr-93

Cross Section -96.81 To 693.2 %



2

Incident Energy (eV)

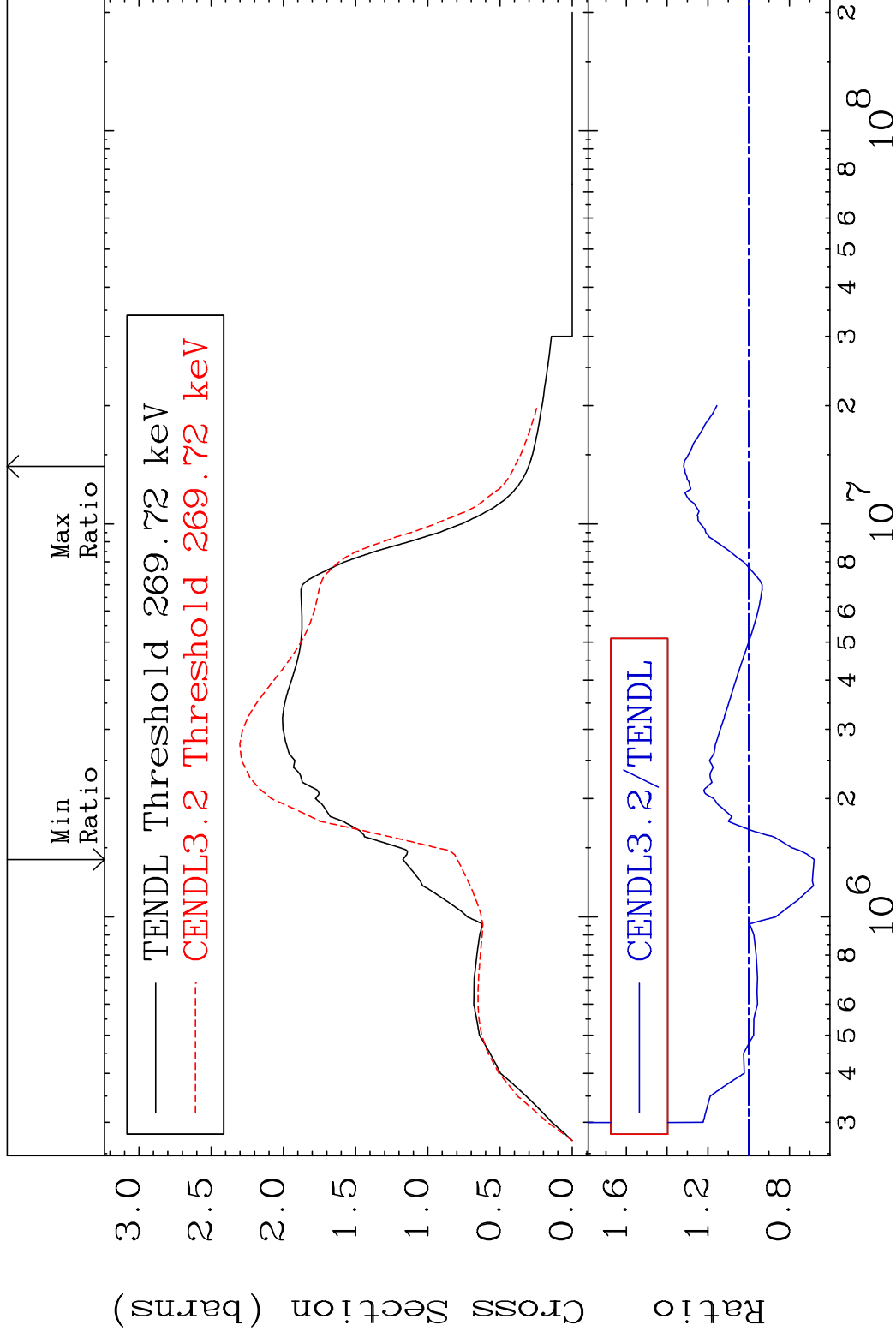
40-Zr-93

MAT 4034

Inelastic

40-Zr-93

Cross Section -32.13 To 31.86 %



3

Incident Energy (eV)

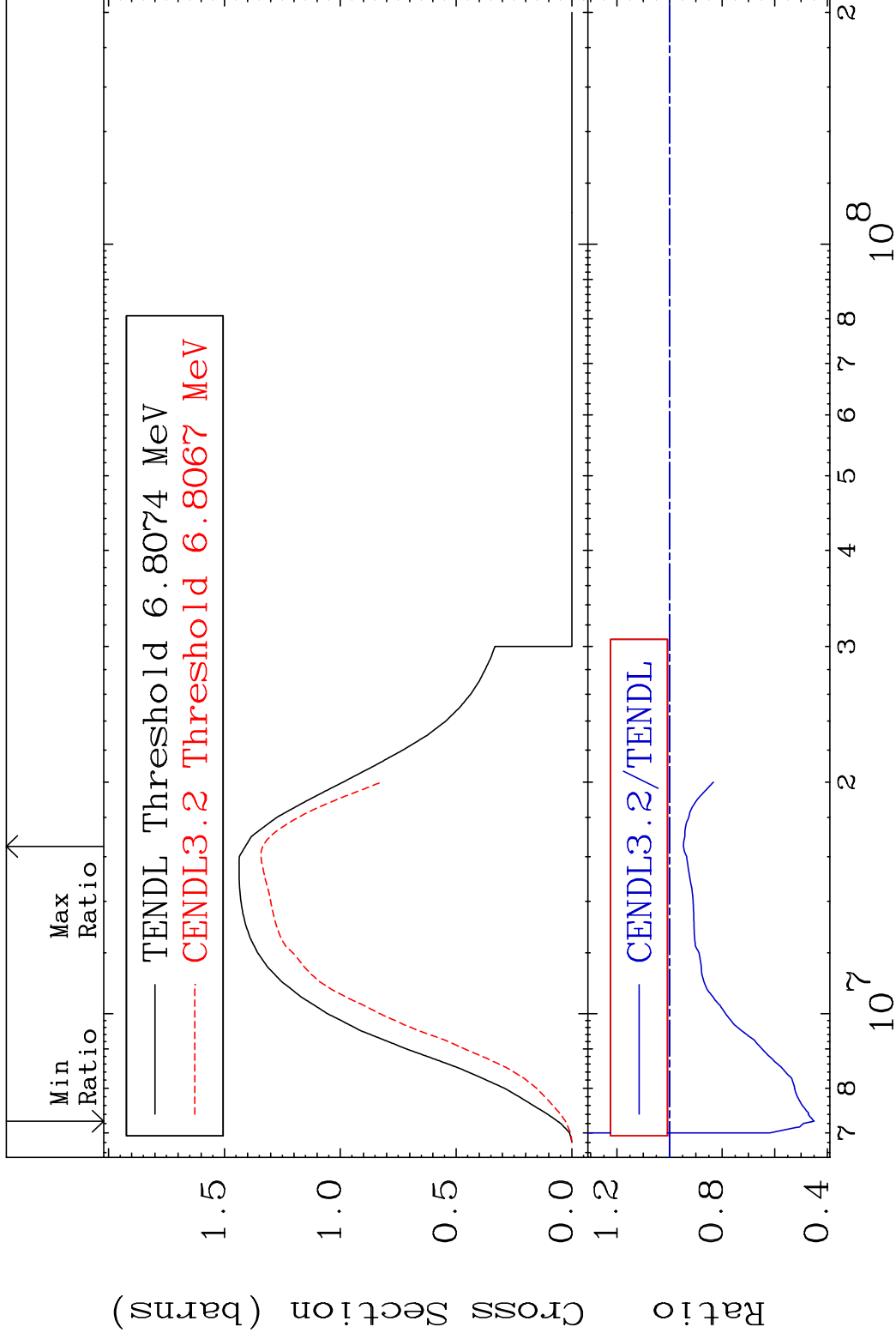
40-Zr-93

MAT 4034

(n,2n)

40-Zr-93

Cross Section -54.97 To -5.300%



4

Incident Energy (eV)

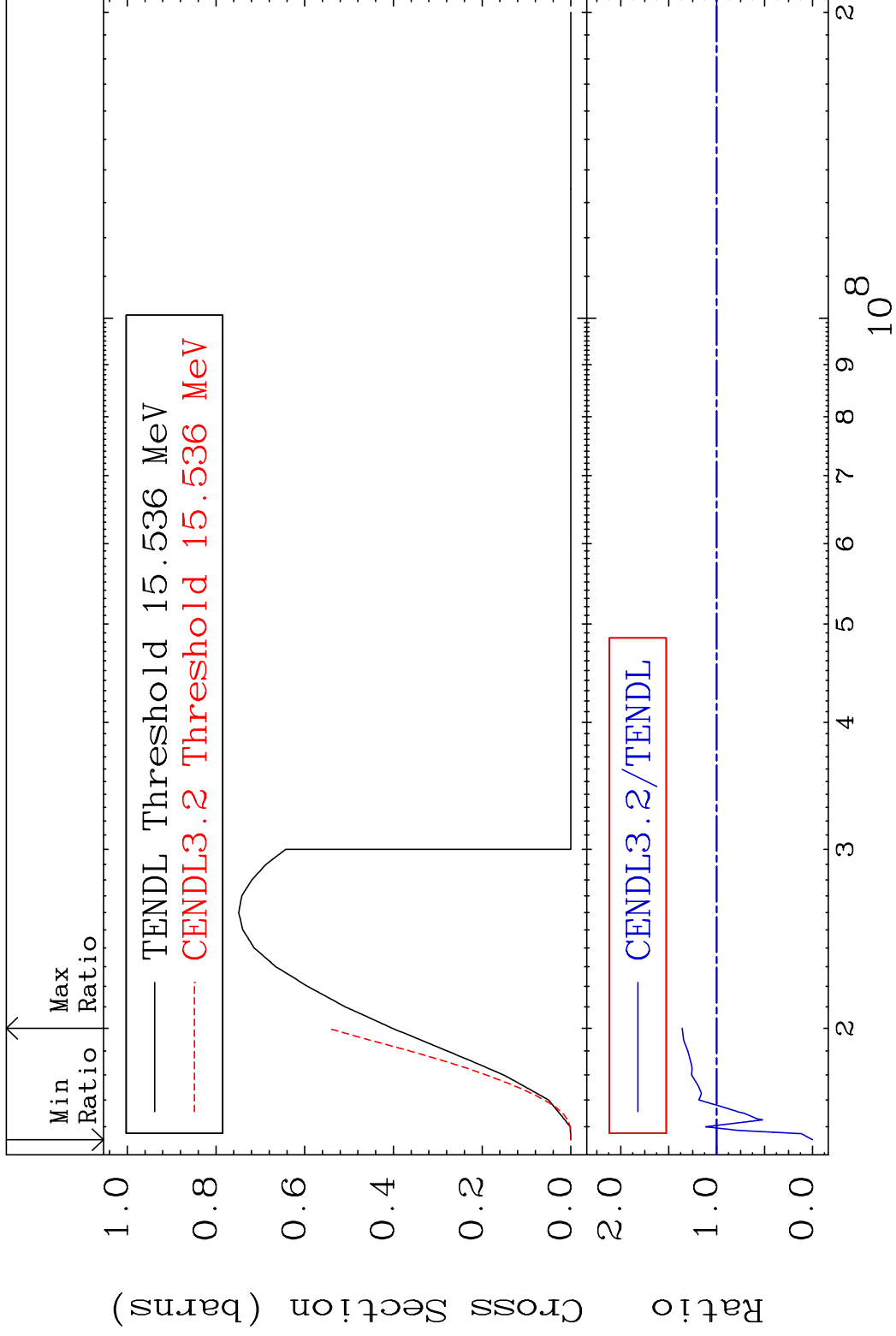
40-Zr-93

MAT 4034

(n,3n)

40-Zr-93

Cross Section -100.0 To 35.91 %

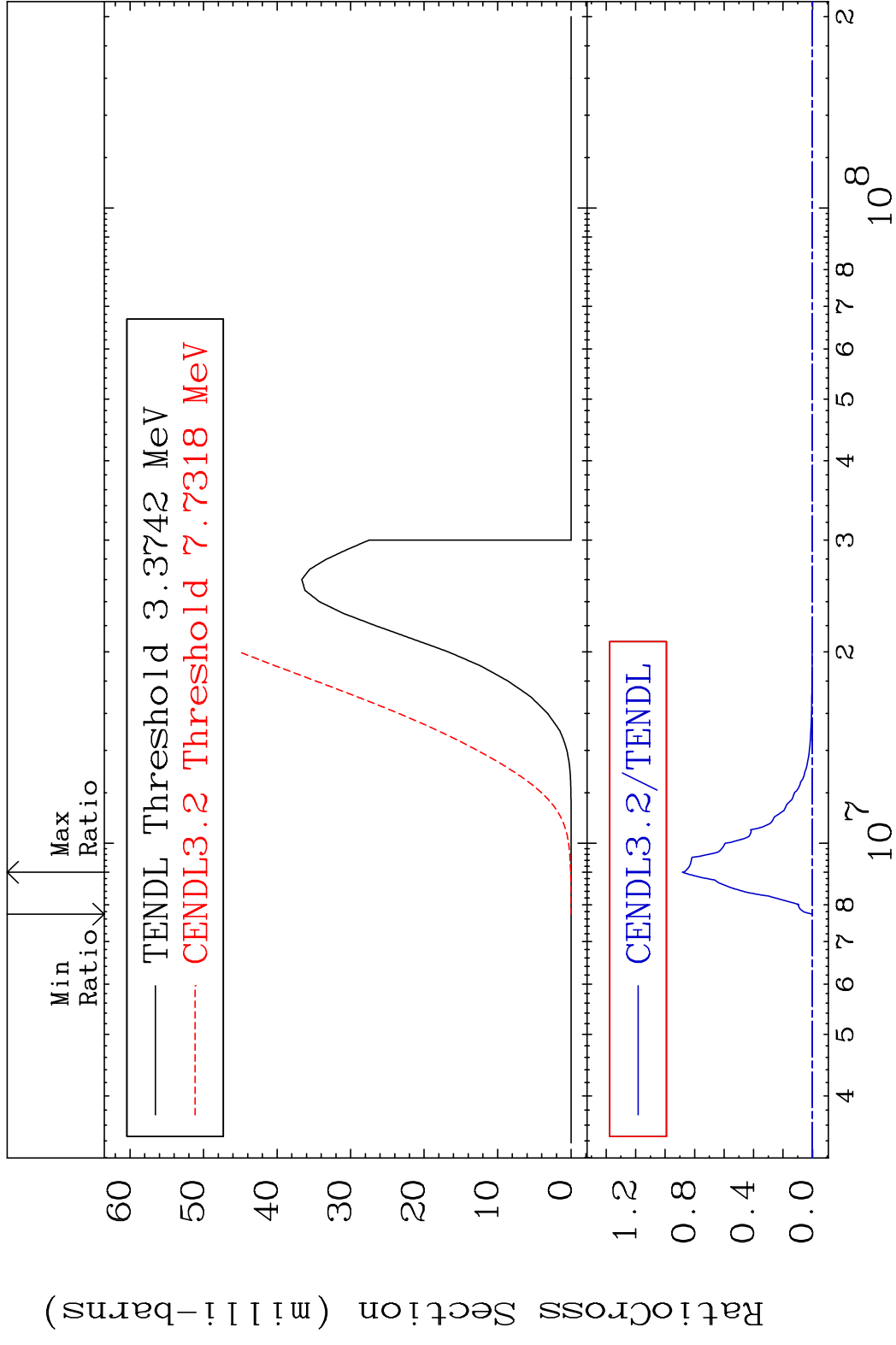


5

Incident Energy (eV)

40-Zr-93

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

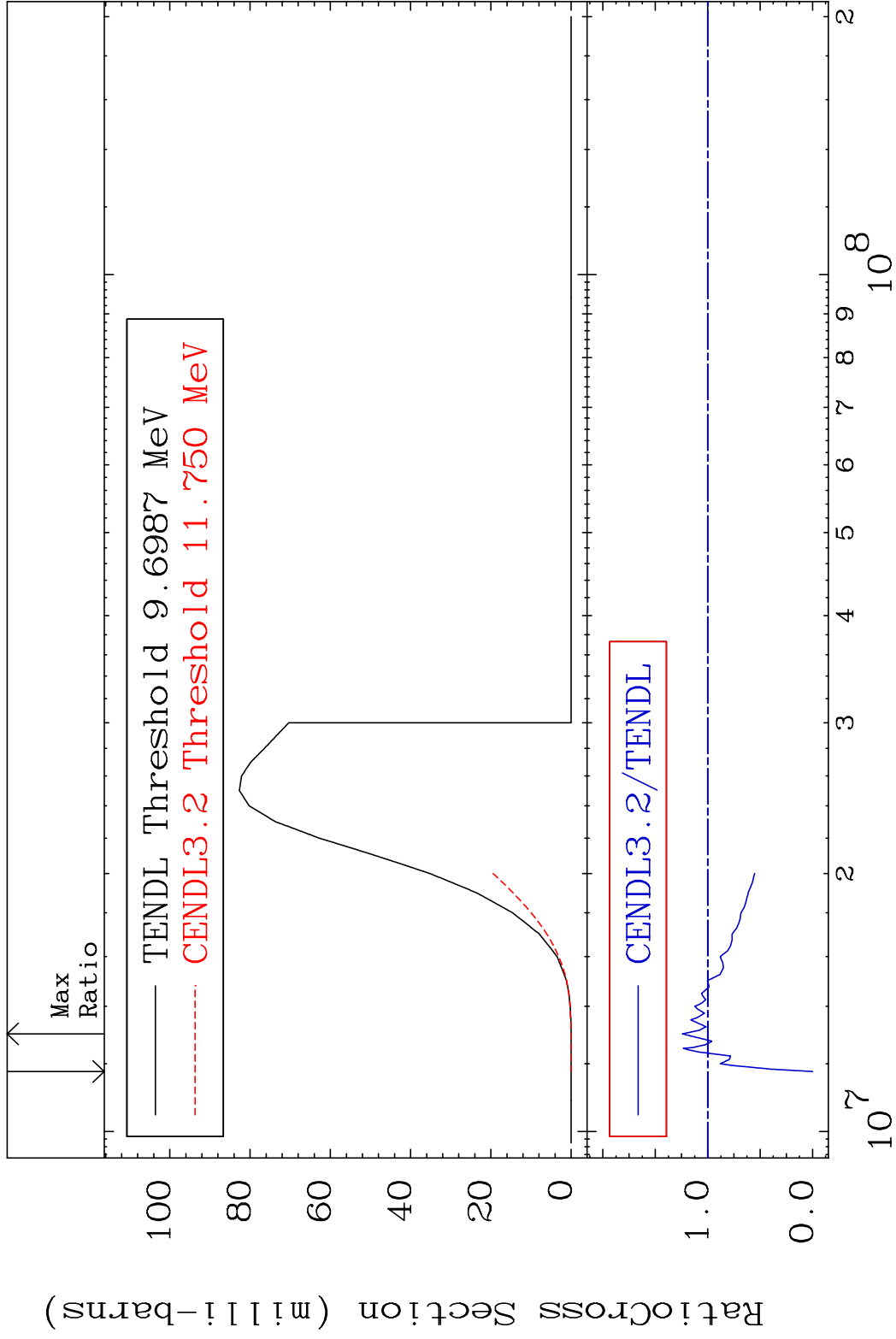


MAT 4034

(n, n') p

40-Zr-93

Cross Section -100.0 To 24.20 %

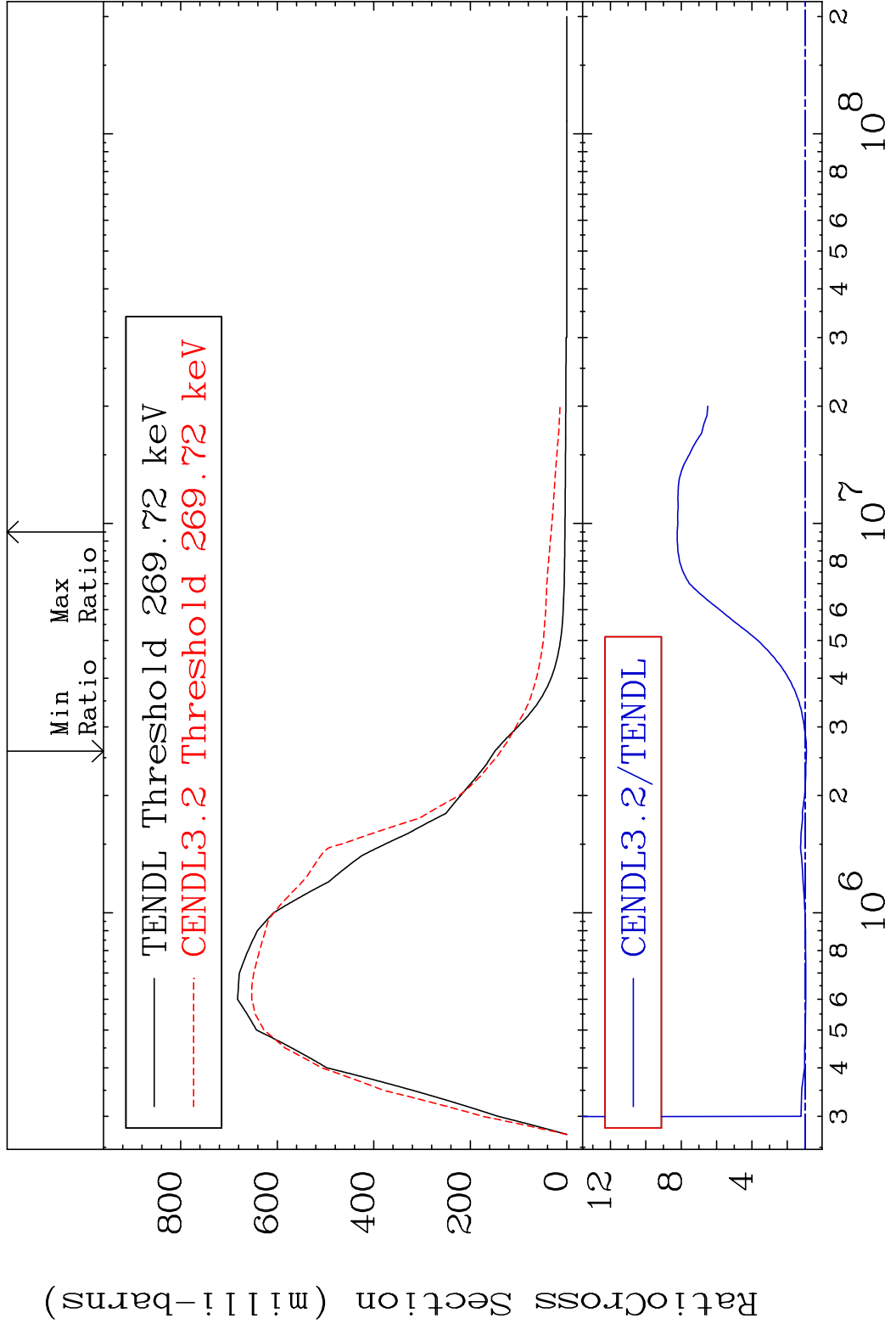


7

Incident Energy (eV)

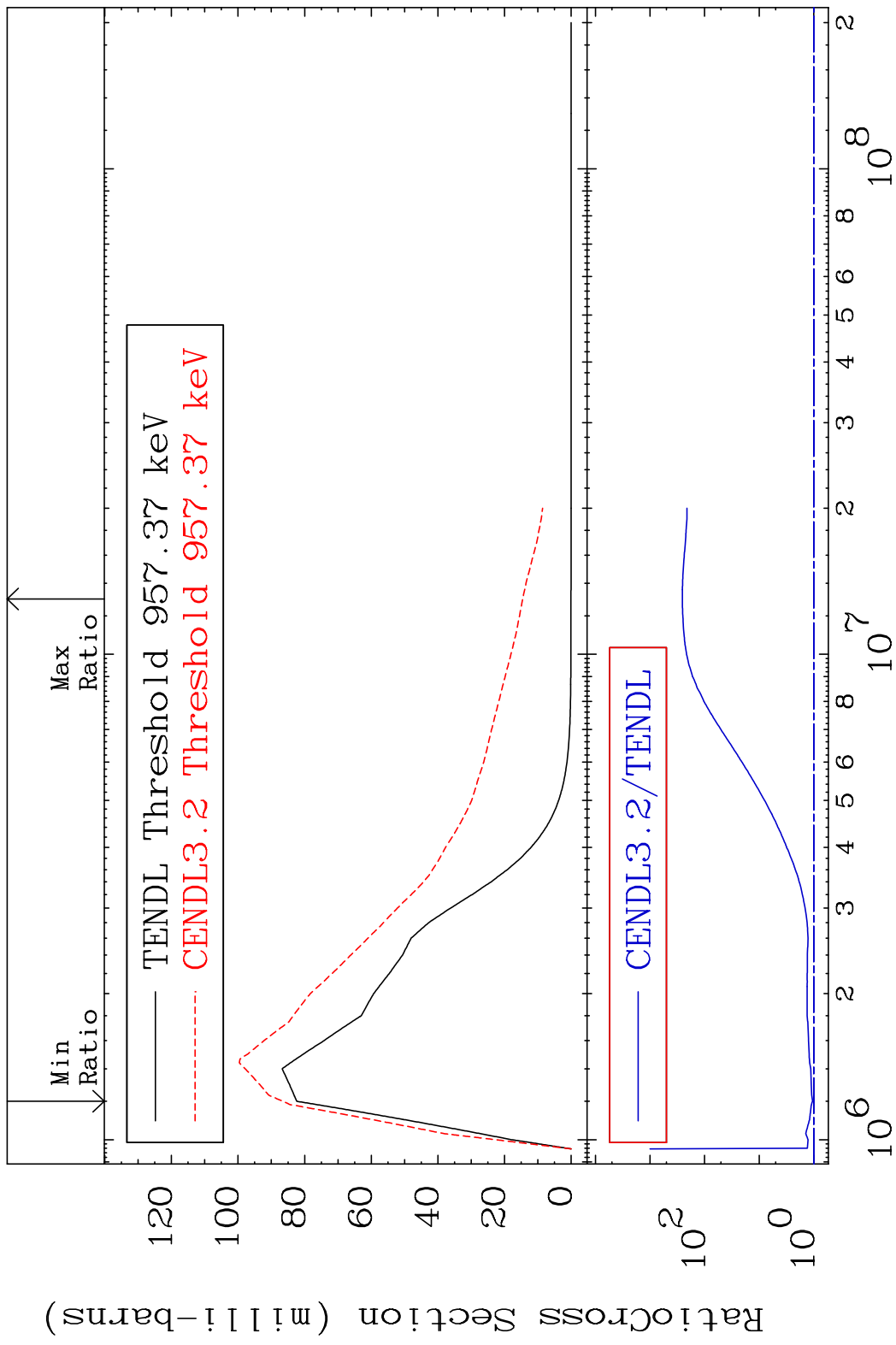
40-Zr-93

MAT 4034 MT= 51 (n, n') Level 40-Zr-93
 Cross Section -7.995 To 722.6 %



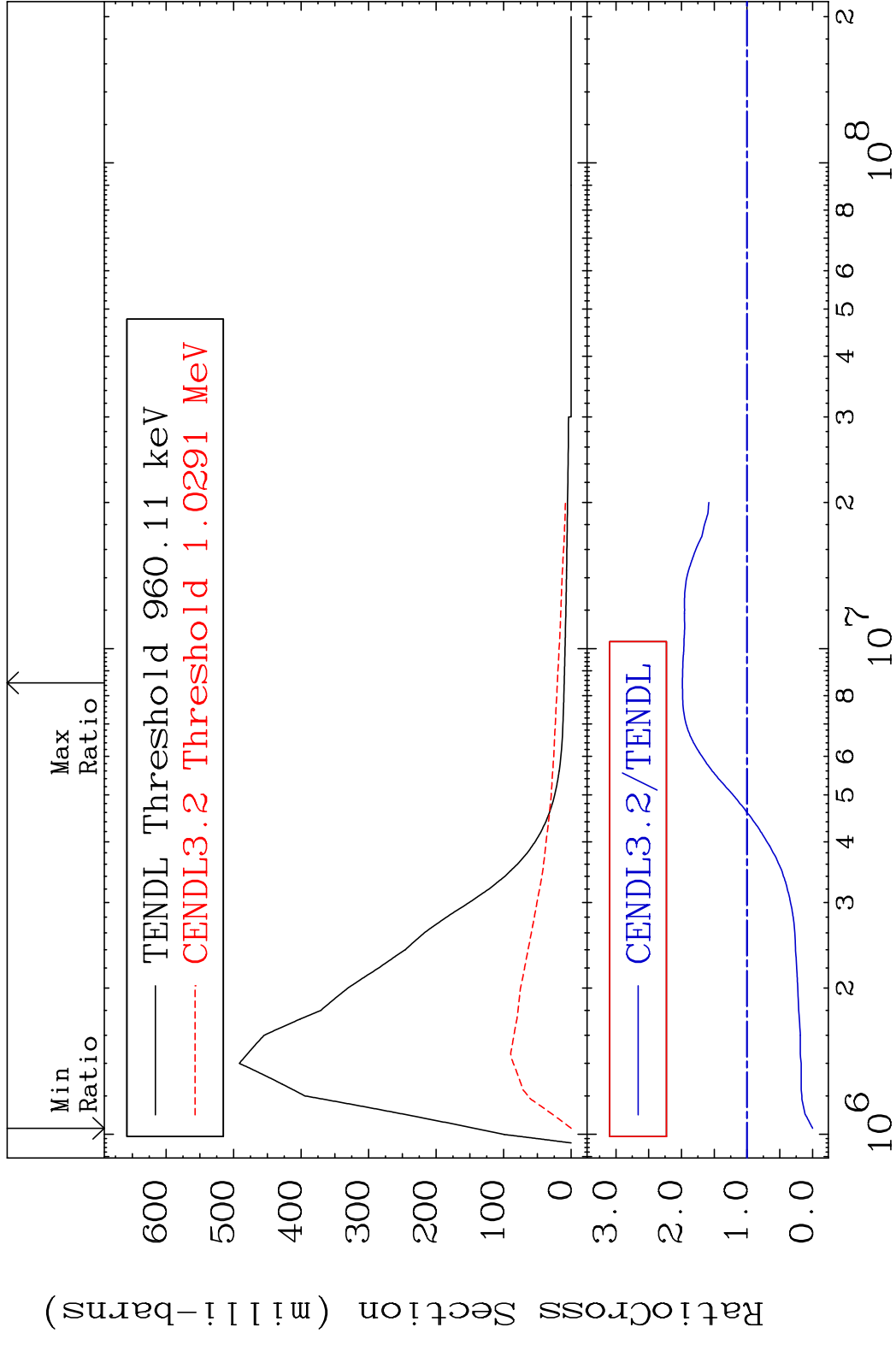
8 Incident Energy (eV) 40-Zr-93

MAT 4034 MT= 52 (n, n') Level 40-Zr-93
 Cross Section 5.078 To 9999. %



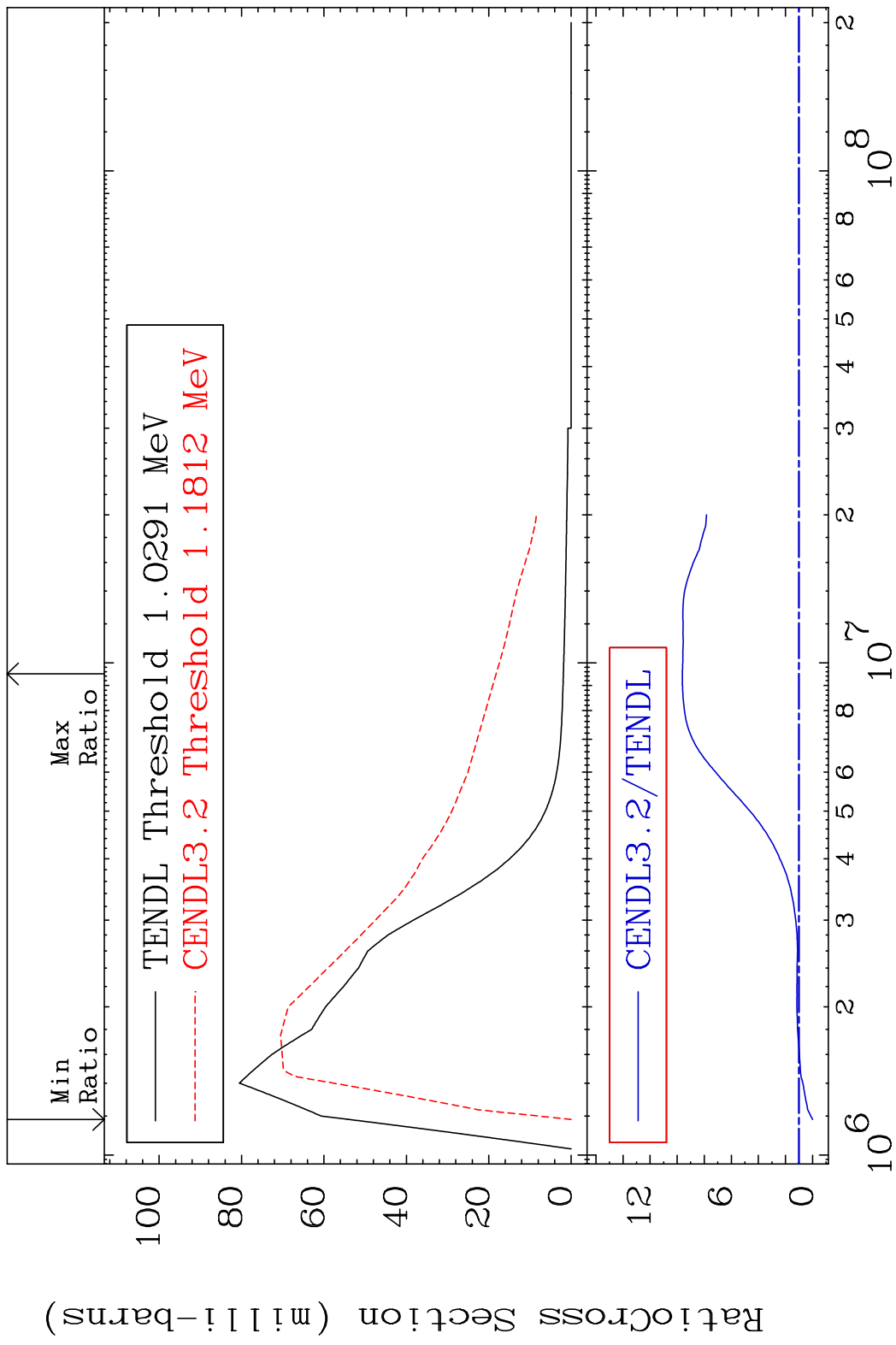
9 Incident Energy (eV) 40-Zr-93

MAT 4034 MT= 53 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 98.65 %



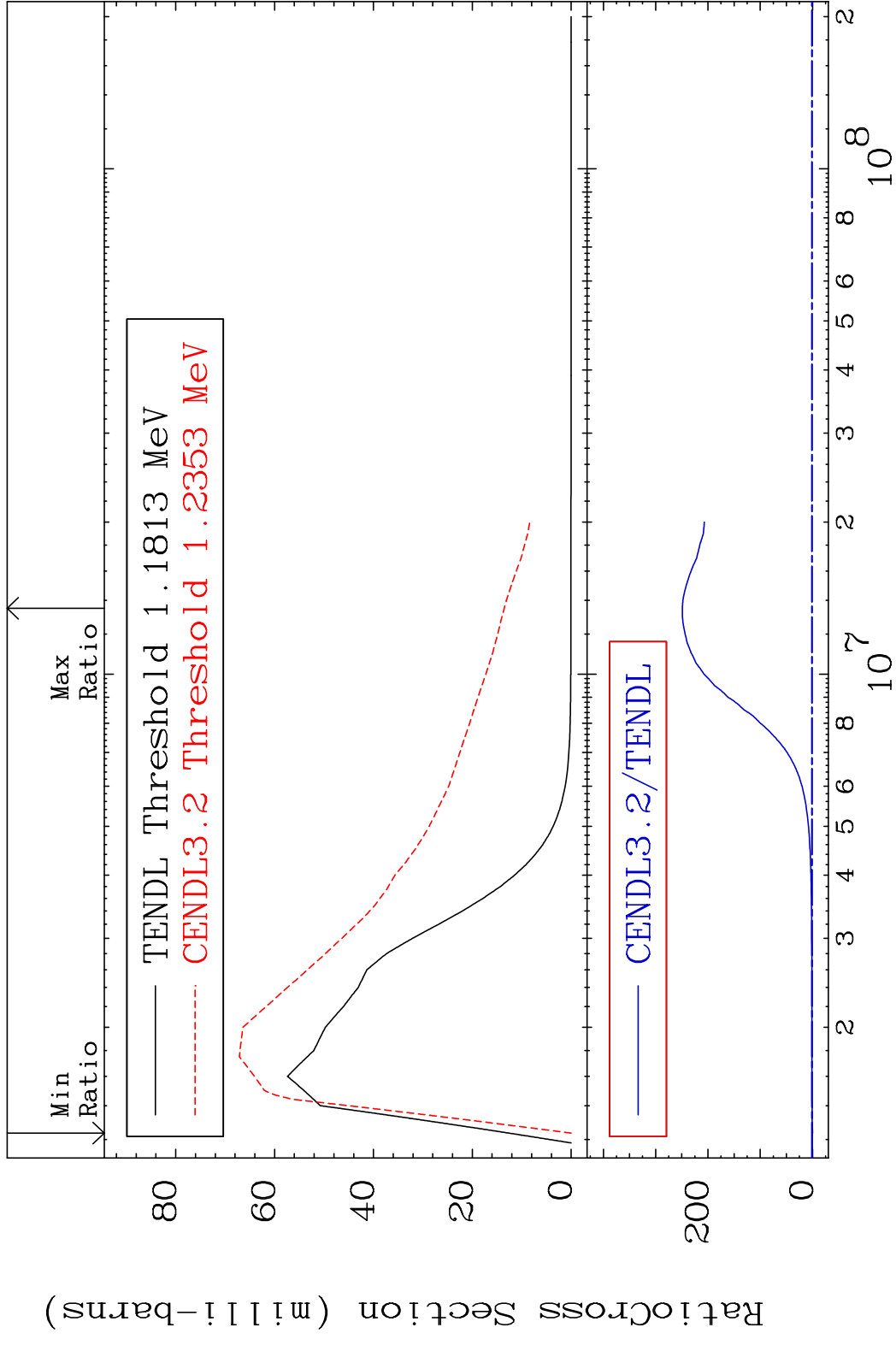
10 2 3 4 5 6 8 10⁷ 2 3 4 5 6 8 10⁸ 2

MAT 4034 MT= 54 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 861.6 %

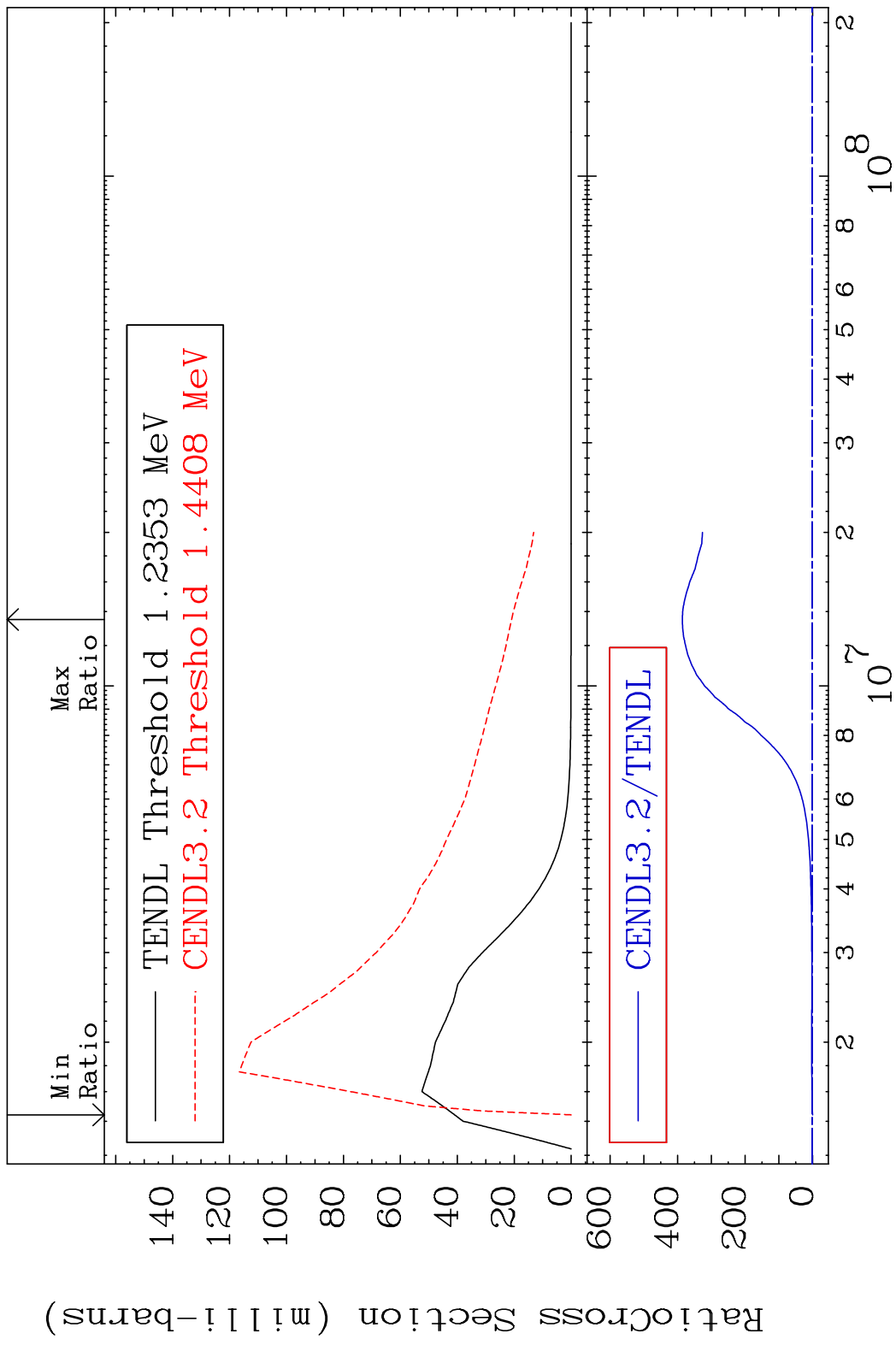


11 Incident Energy (eV) 40-Zr-93

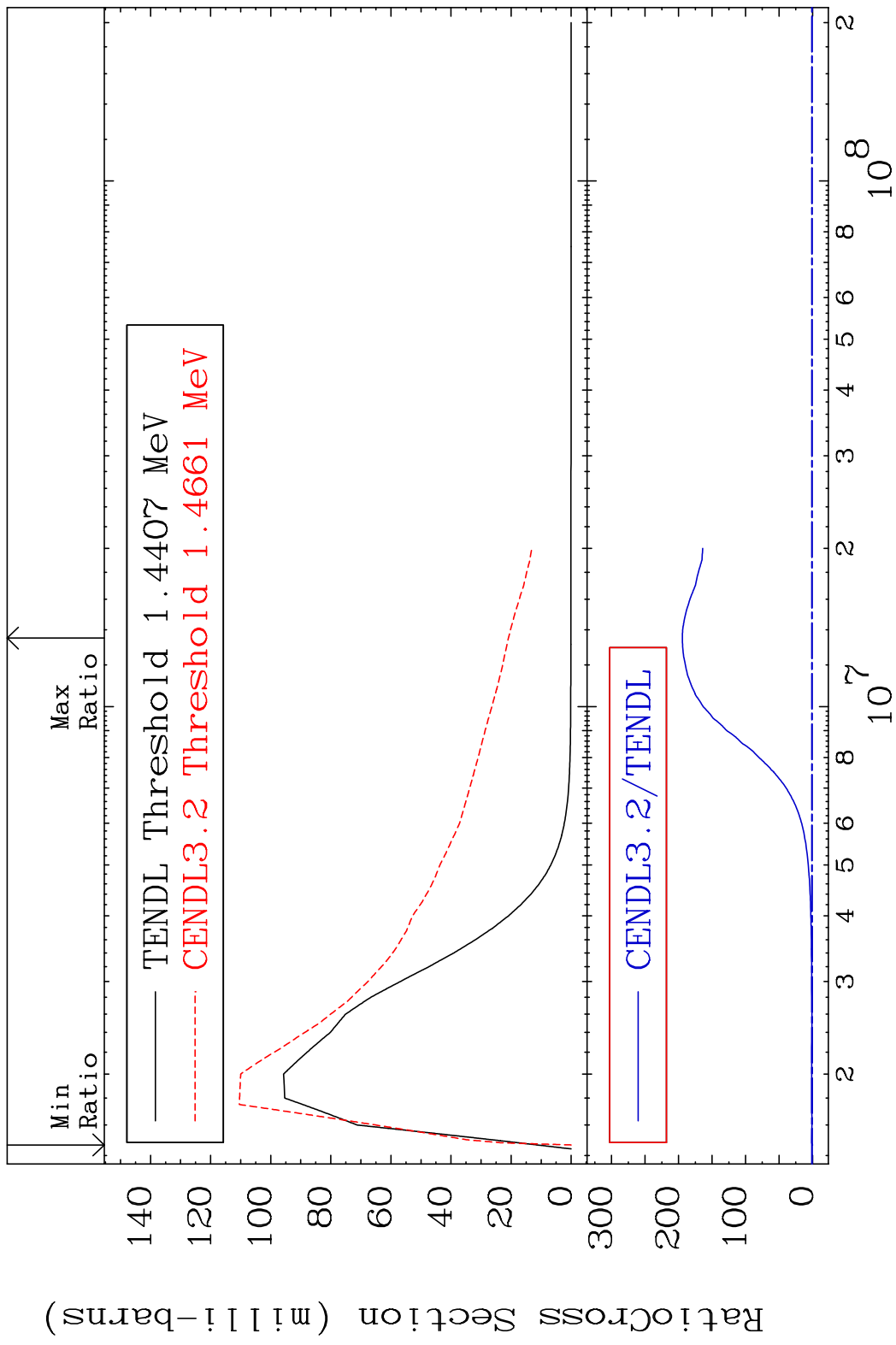
MAT 4034 MT= 55 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 9999. %



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

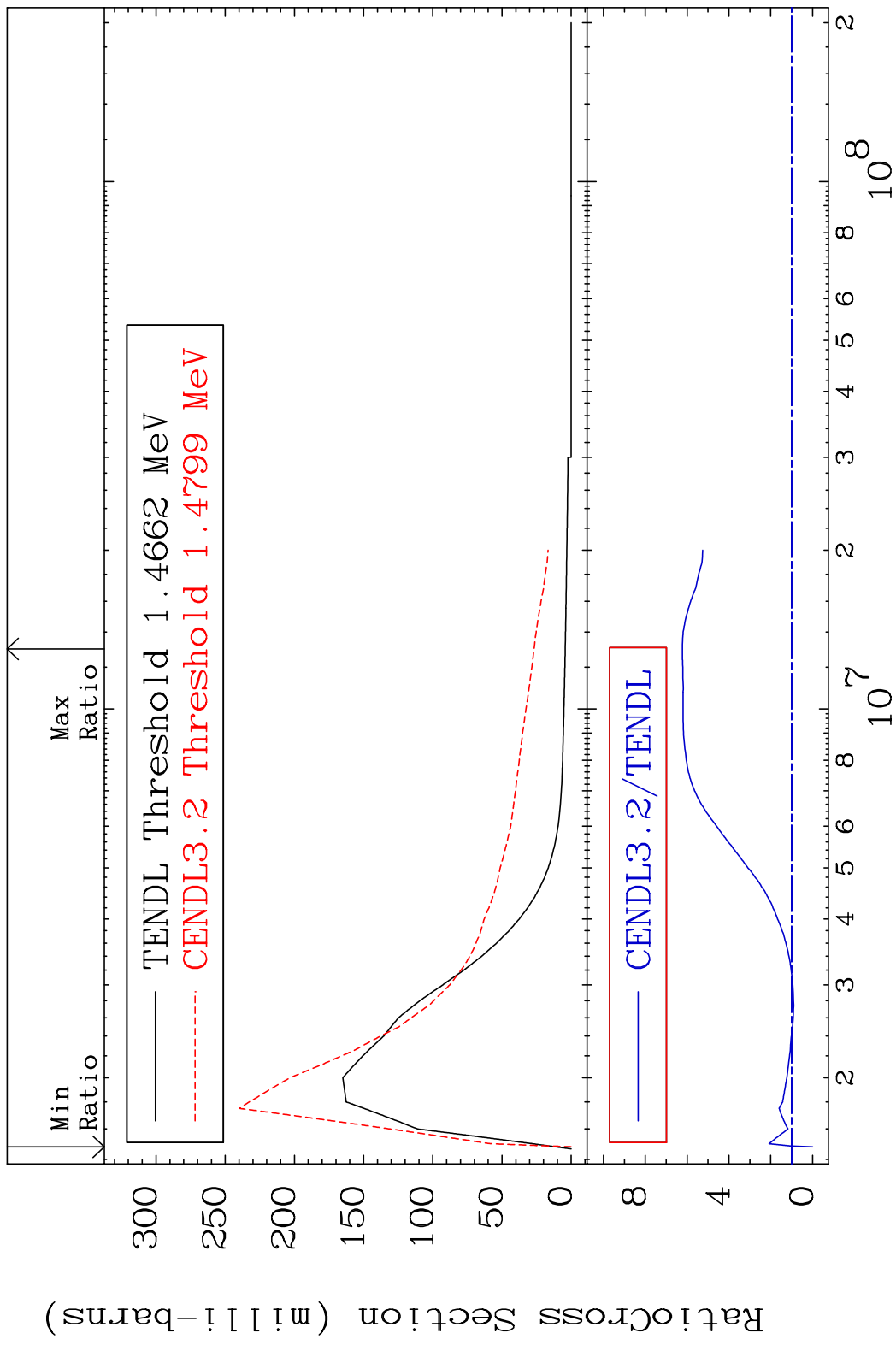


MAT 4034 MT= 57 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 9999. %



14 Incident Energy (eV) 40-Zr-93

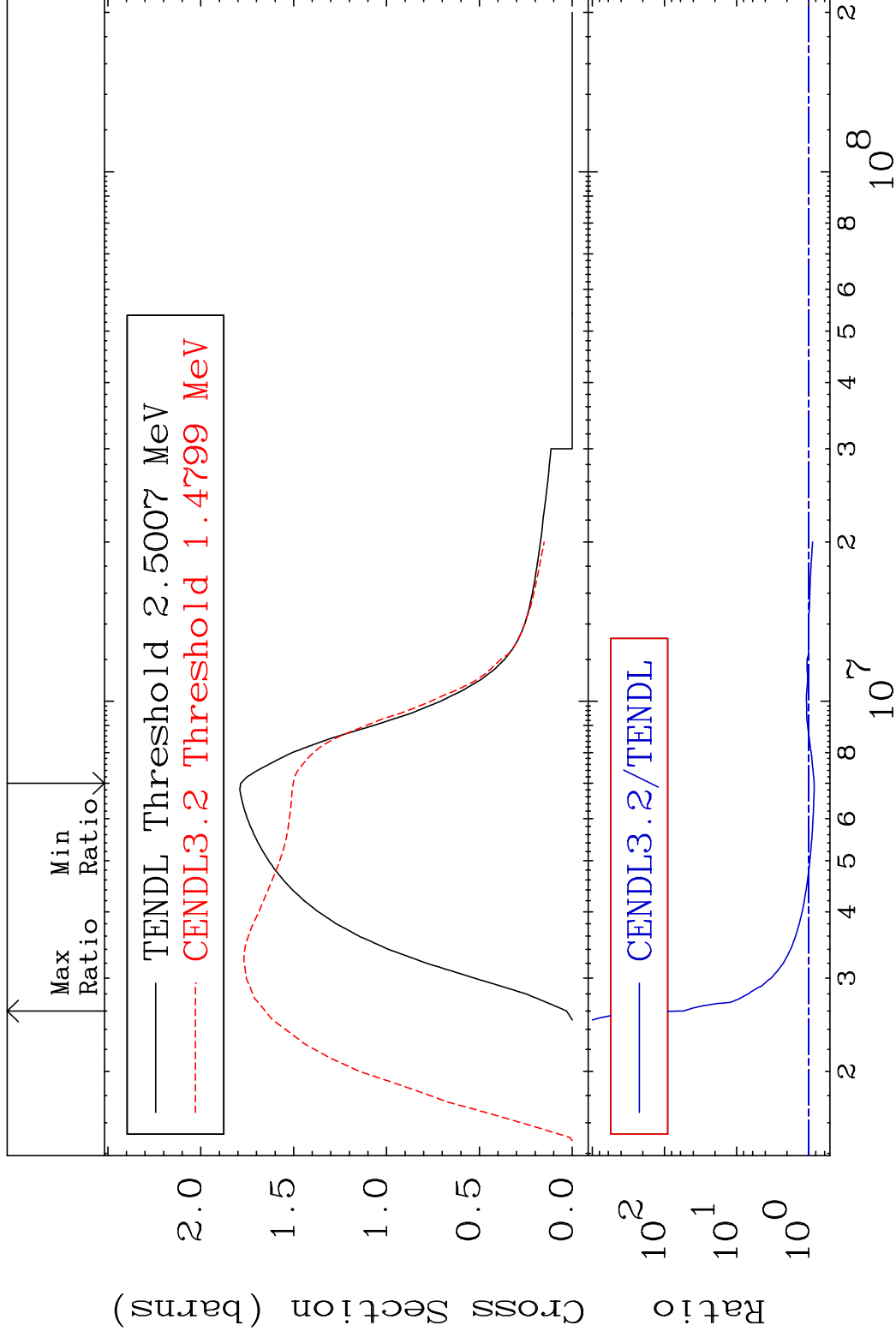
MAT 4034 MT= 58 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 522.8 %



15 Incident Energy (eV) 40-Zr-93

MAT 4034

(n,n') Continuum 40-Zr-93
Cross Section -15.86 To 5325. %

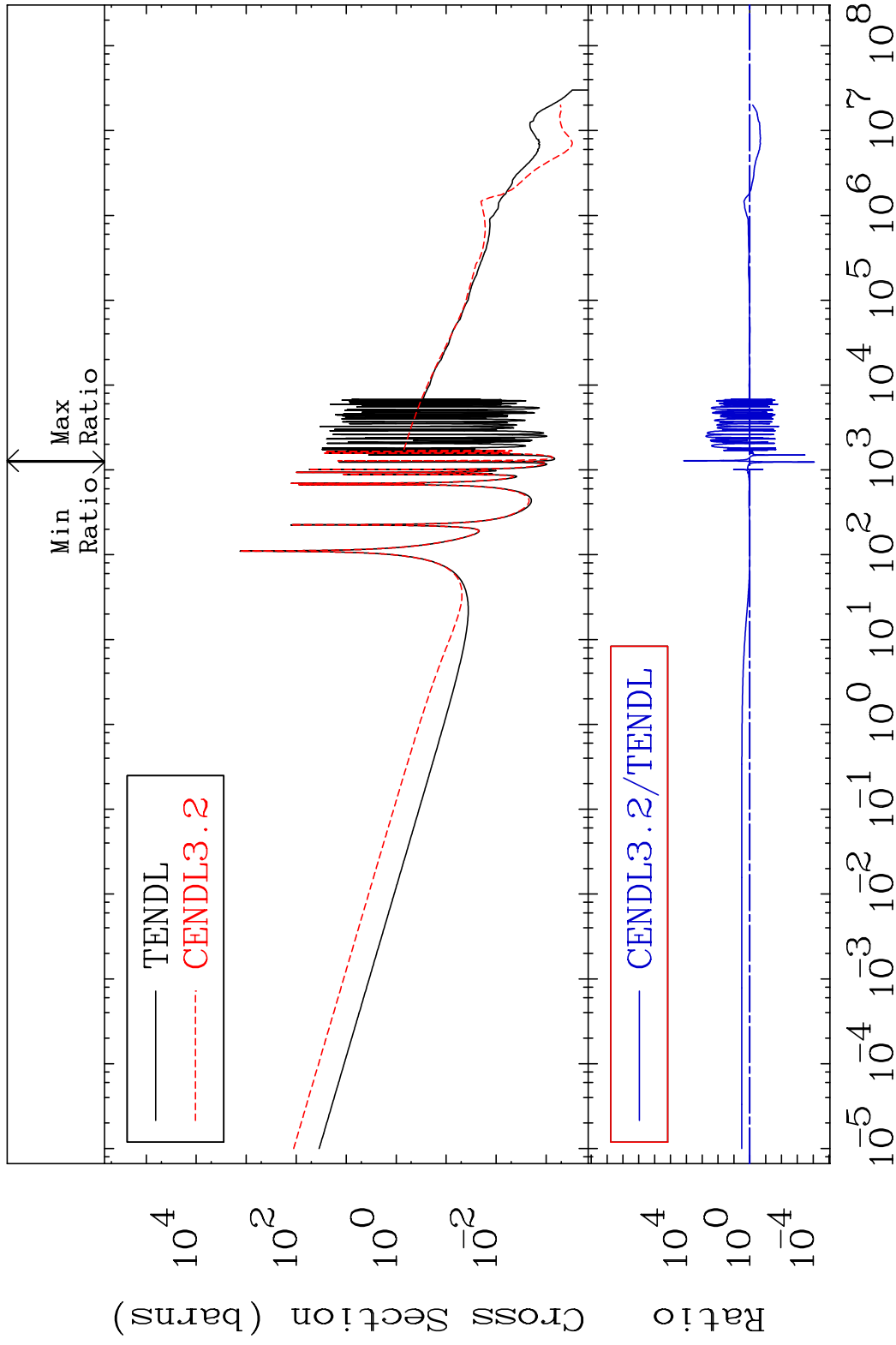


16

Incident Energy (eV) 40-Zr-93

MAT 4034

(n, γ)
Cross Section -99.99 To 9999. % 40-Zr-93

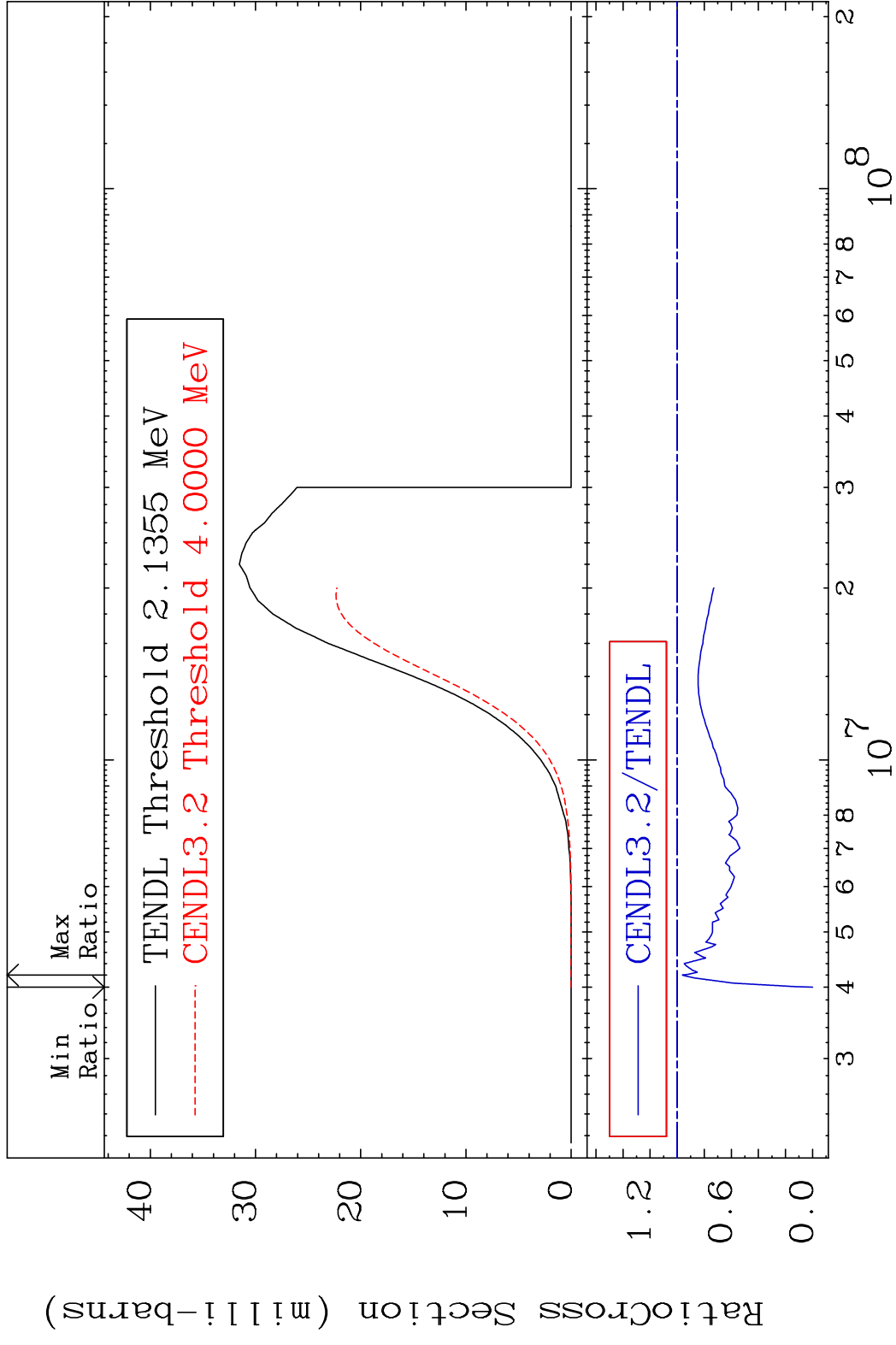


17

Incident Energy (eV)

40-Zr-93

MAT 4034 (n,p) 40-Zr-93
 Cross Section -100.0 To -3.827%

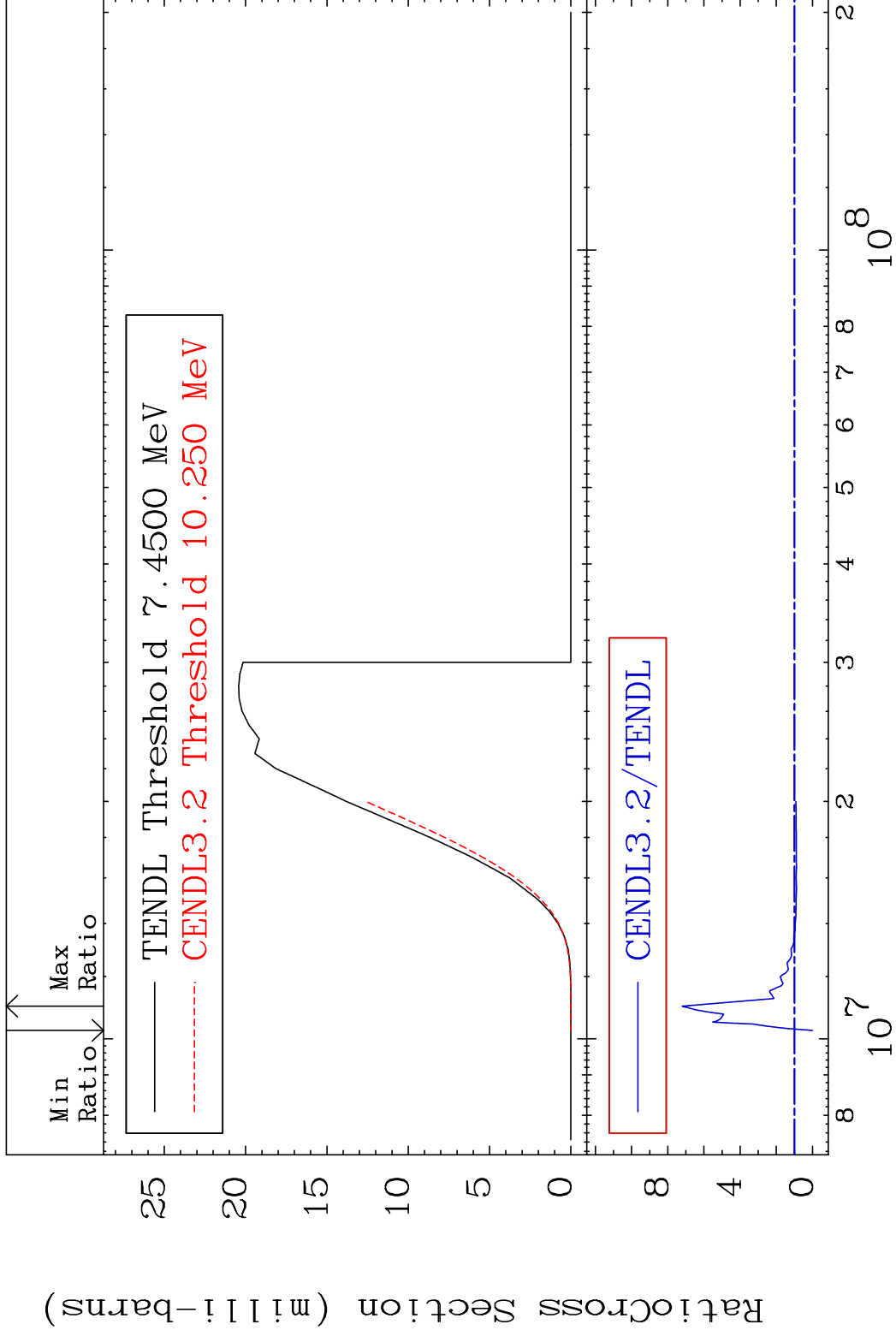


MAT 4034

(n,d)

40-Zr-93

Cross Section -100.0 To 620.6 %



19

Incident Energy (eV)

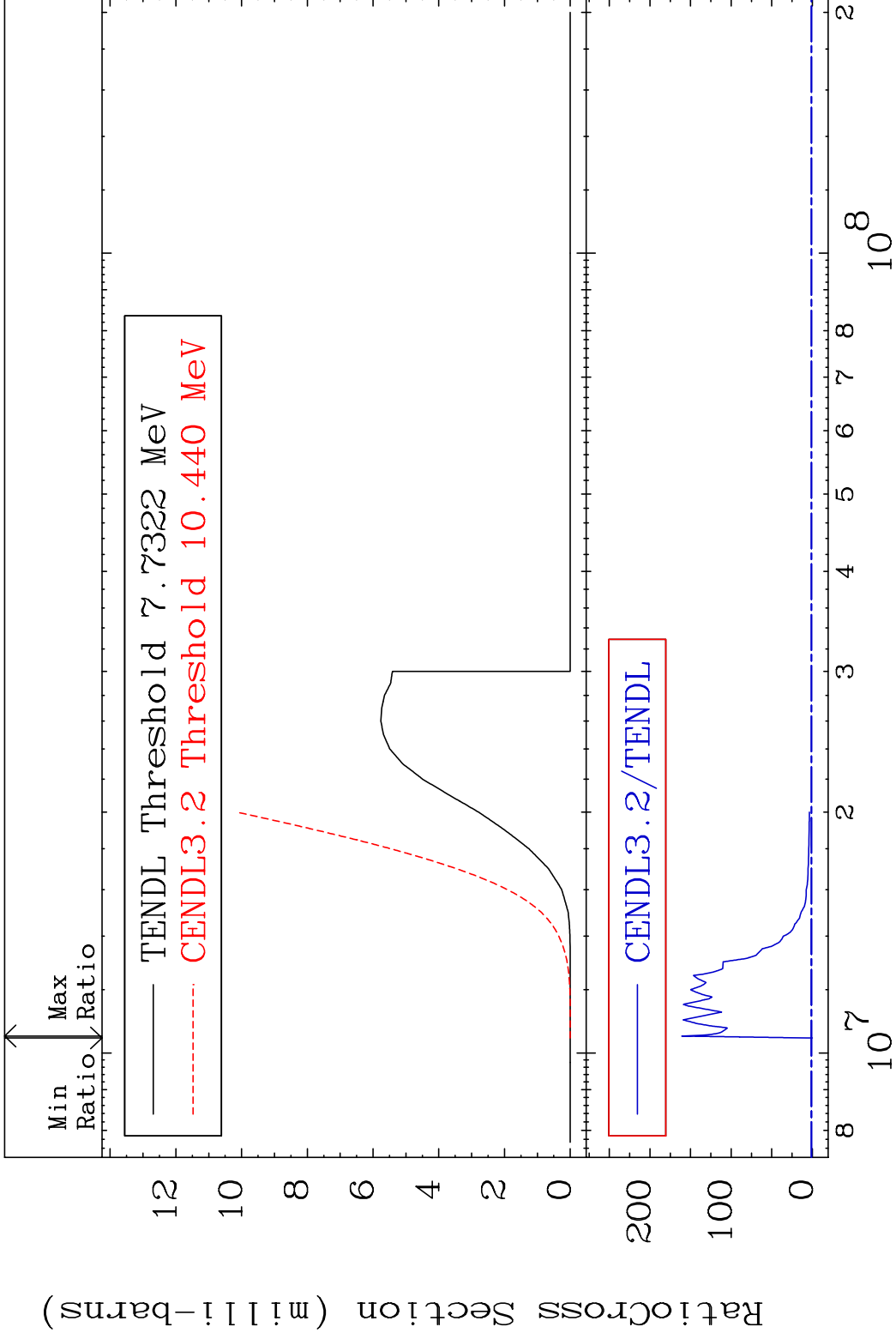
40-Zr-93

MAT 4034

(n, t)

40-Zr-93

Cross Section -100.0 To 9999. %



20

Incident Energy (eV)

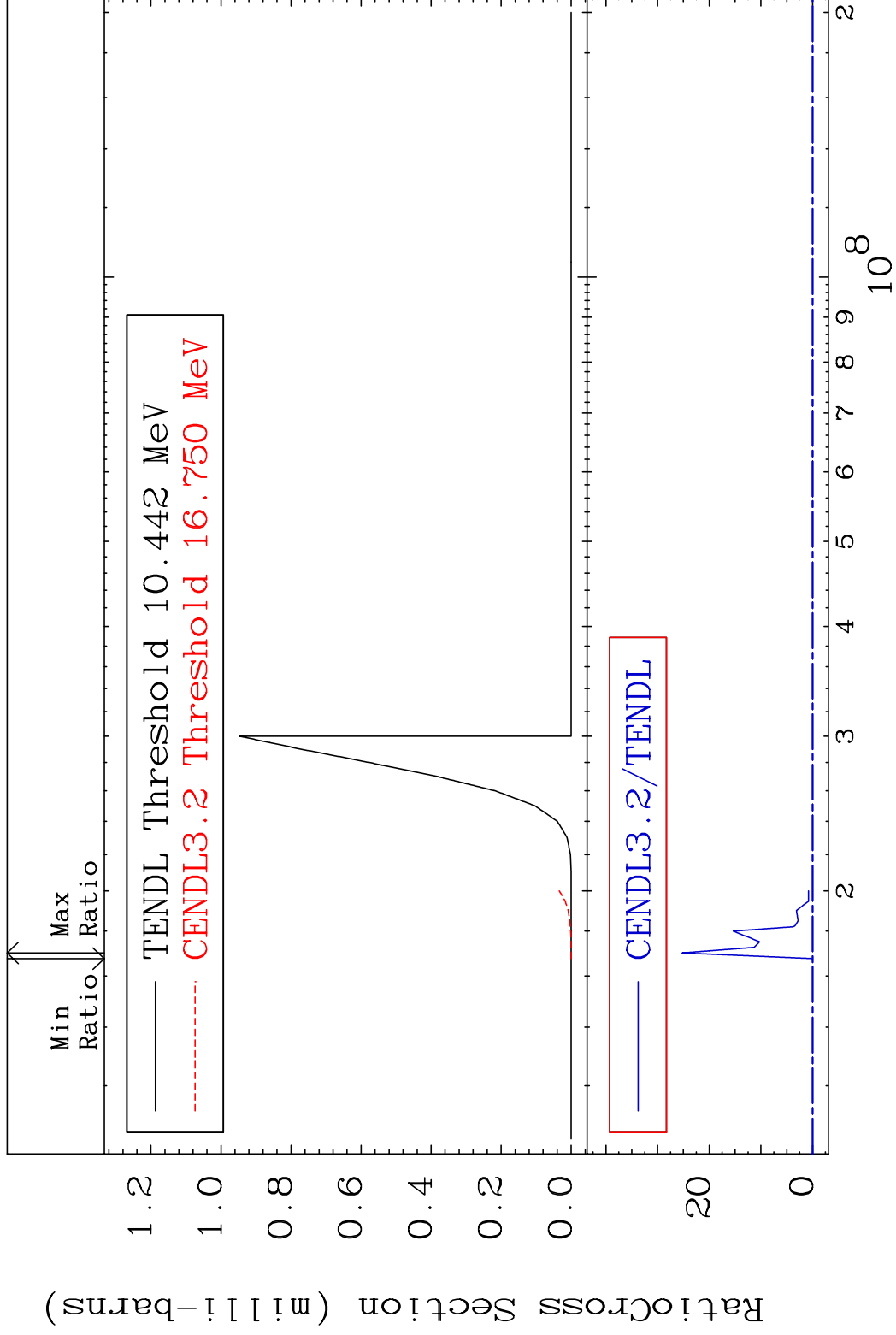
40-Zr-93

MAT 4034

(n, He-3)

40-Zr-93

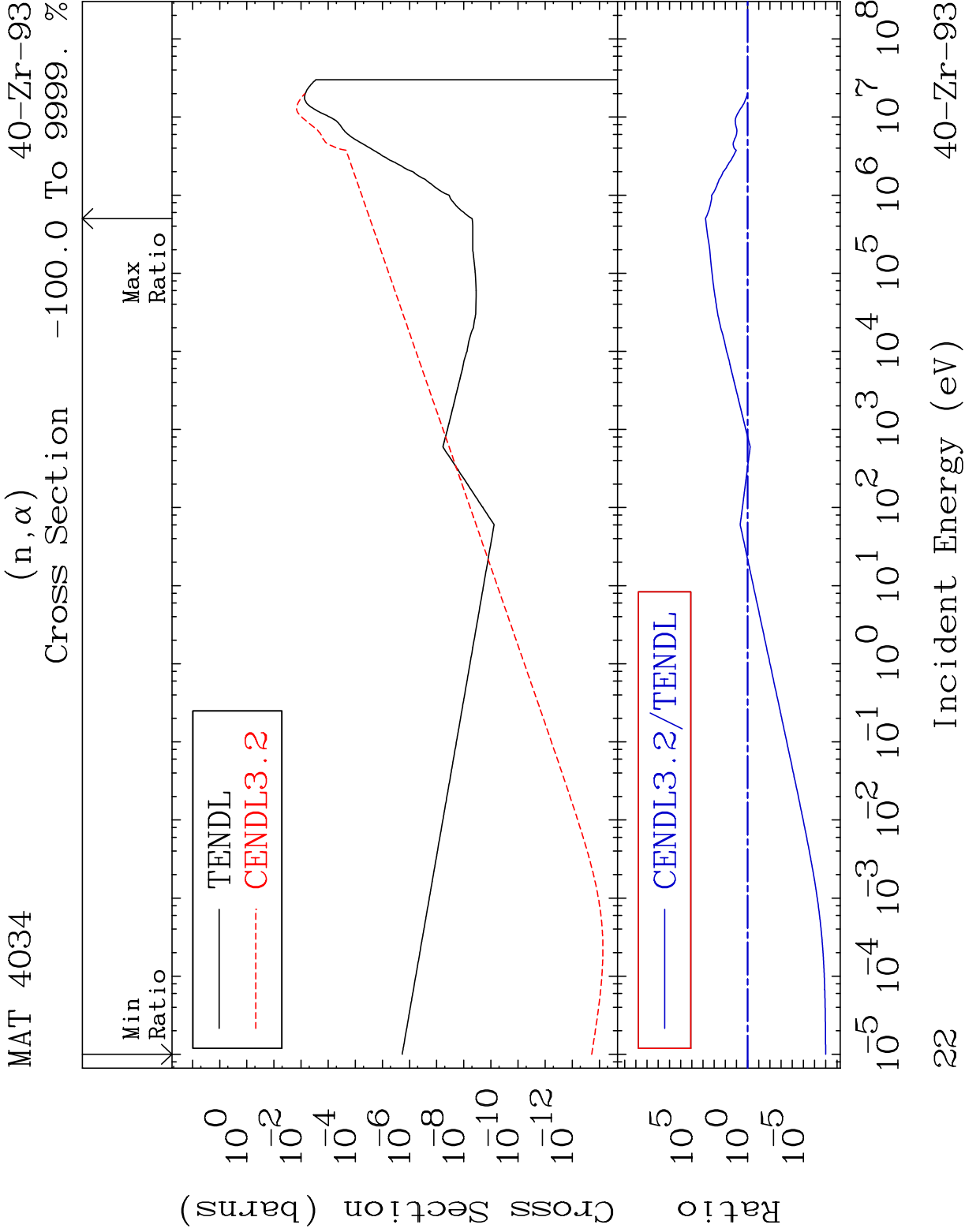
Cross Section -100.0 To 9999. %



21

Incident Energy (eV)

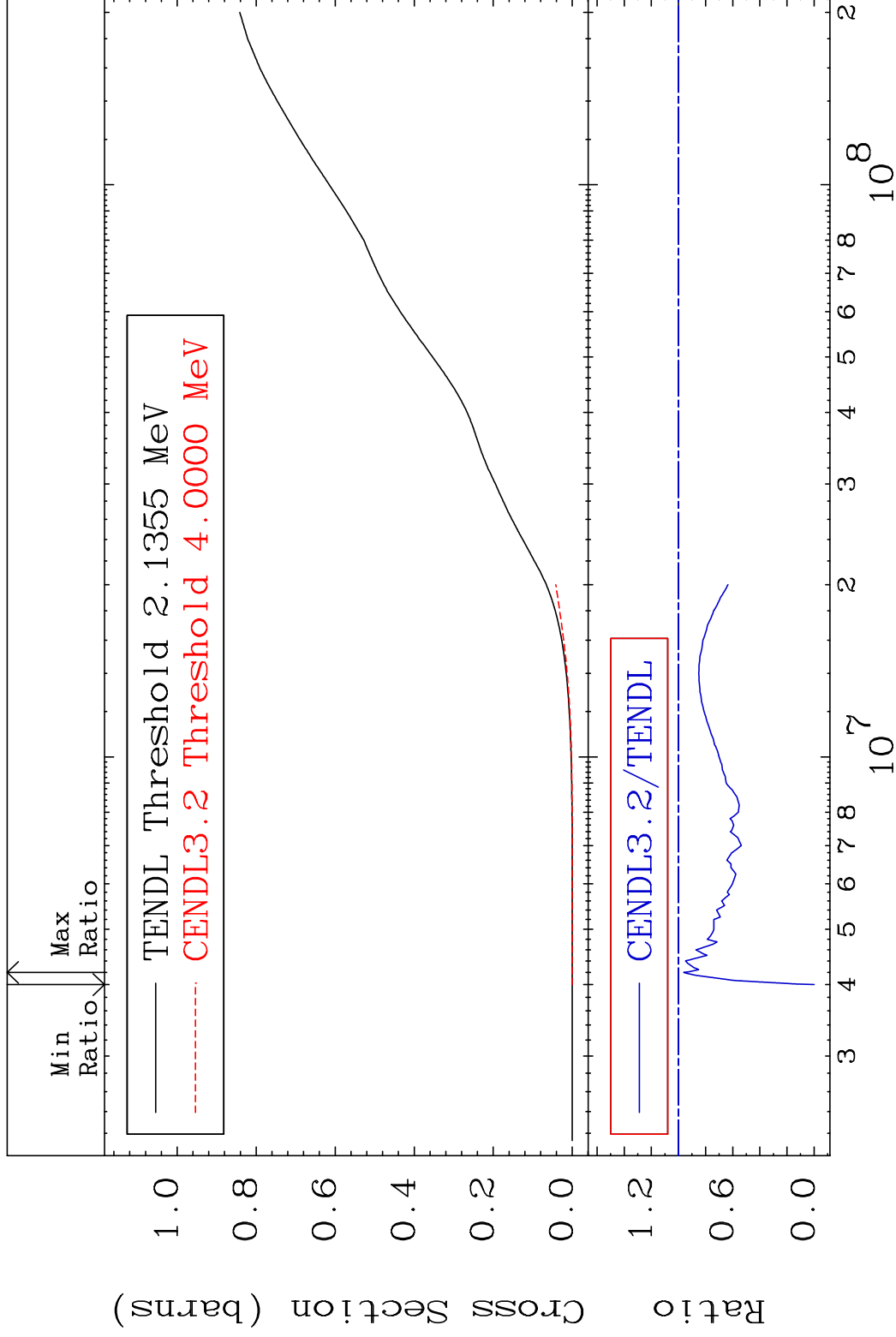
40-Zr-93



MAT 4034

Hydrogen Production 40-Zr-93

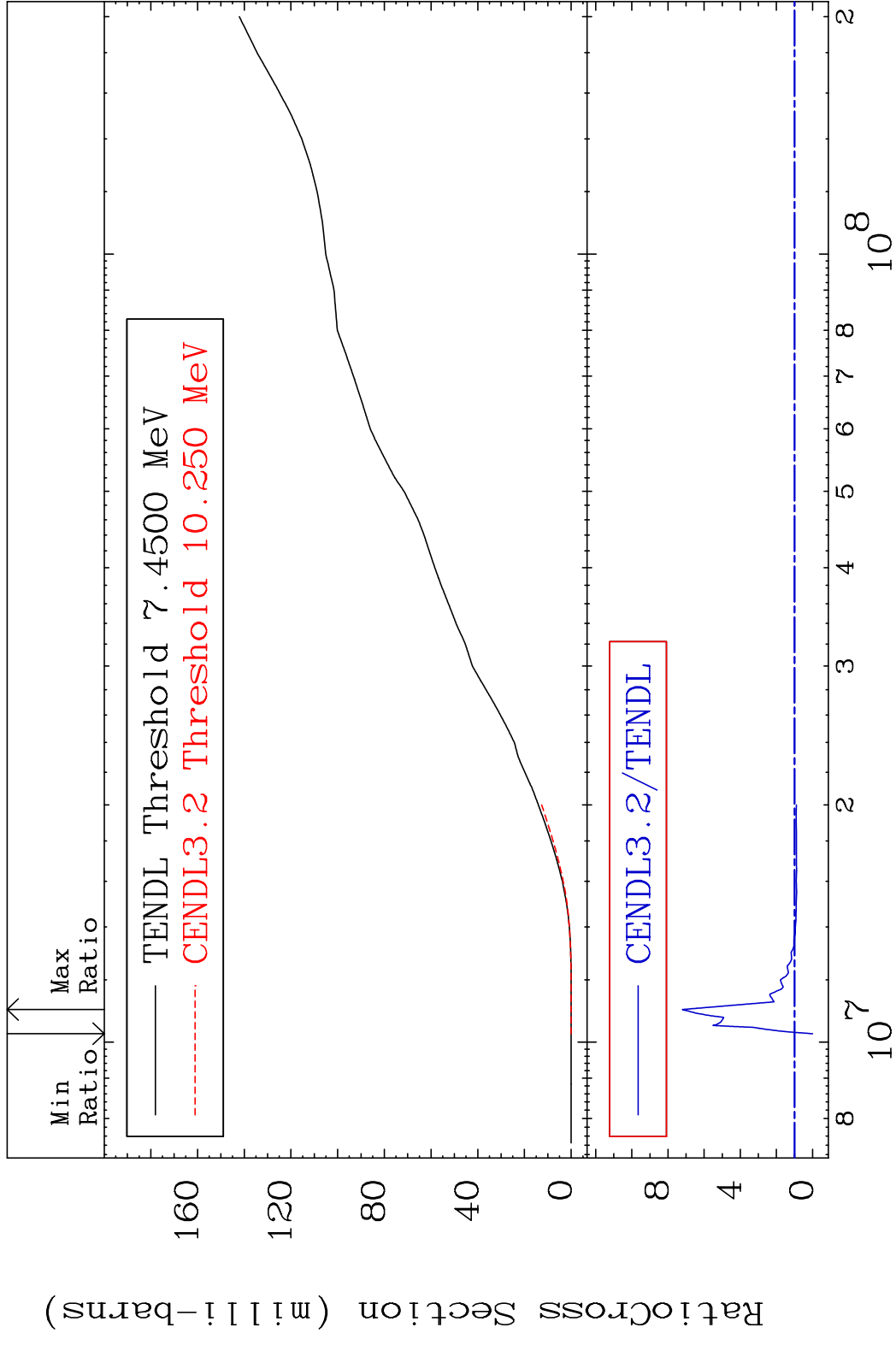
Cross Section -100.0 To -3.827%



MAT 4034

Deuterium Production 40-Zr-93

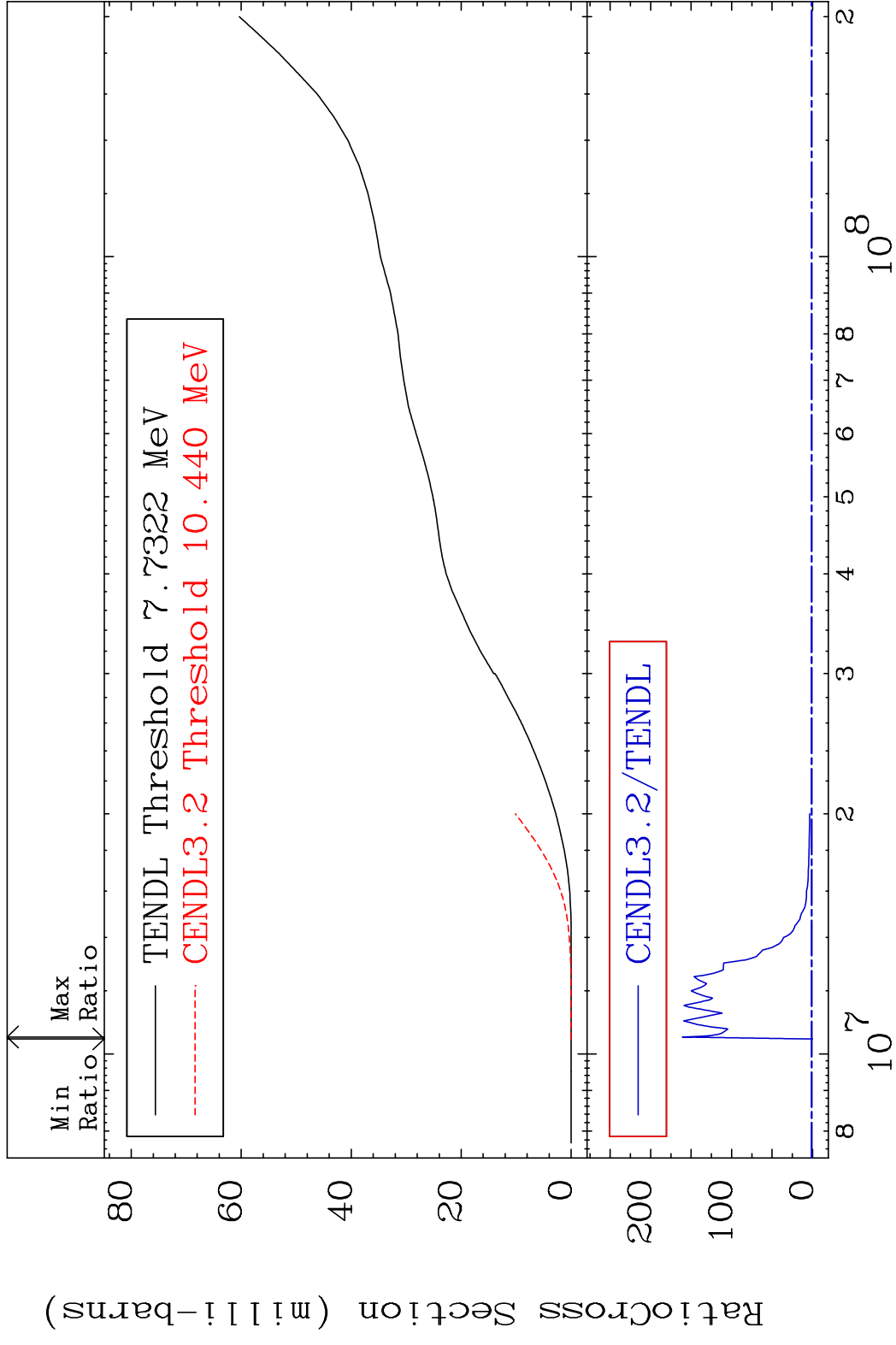
Cross Section -100.0 To 620.6 %



24

40-Zr-93

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



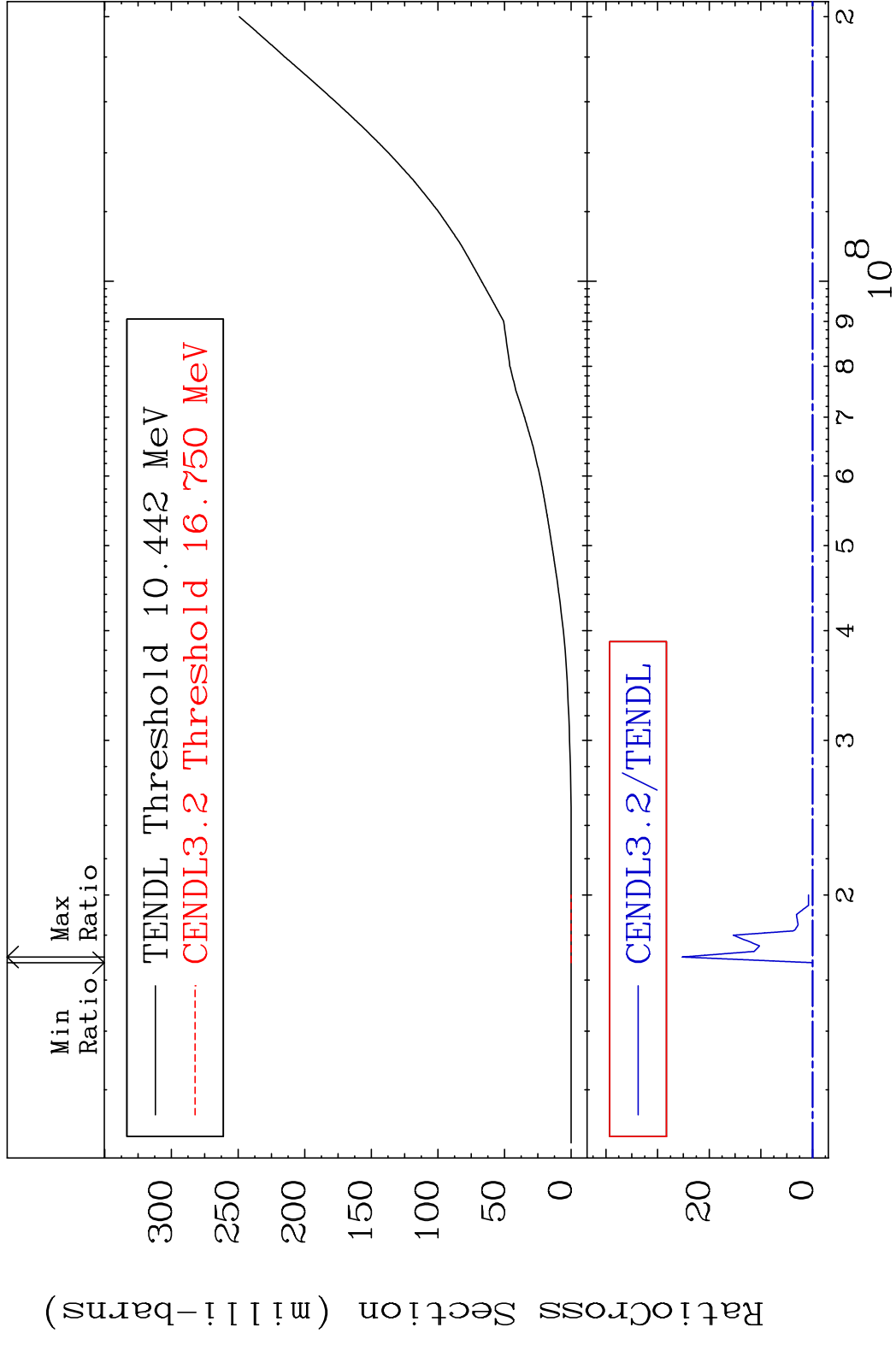
25 40-Zr-93

MAT 4034

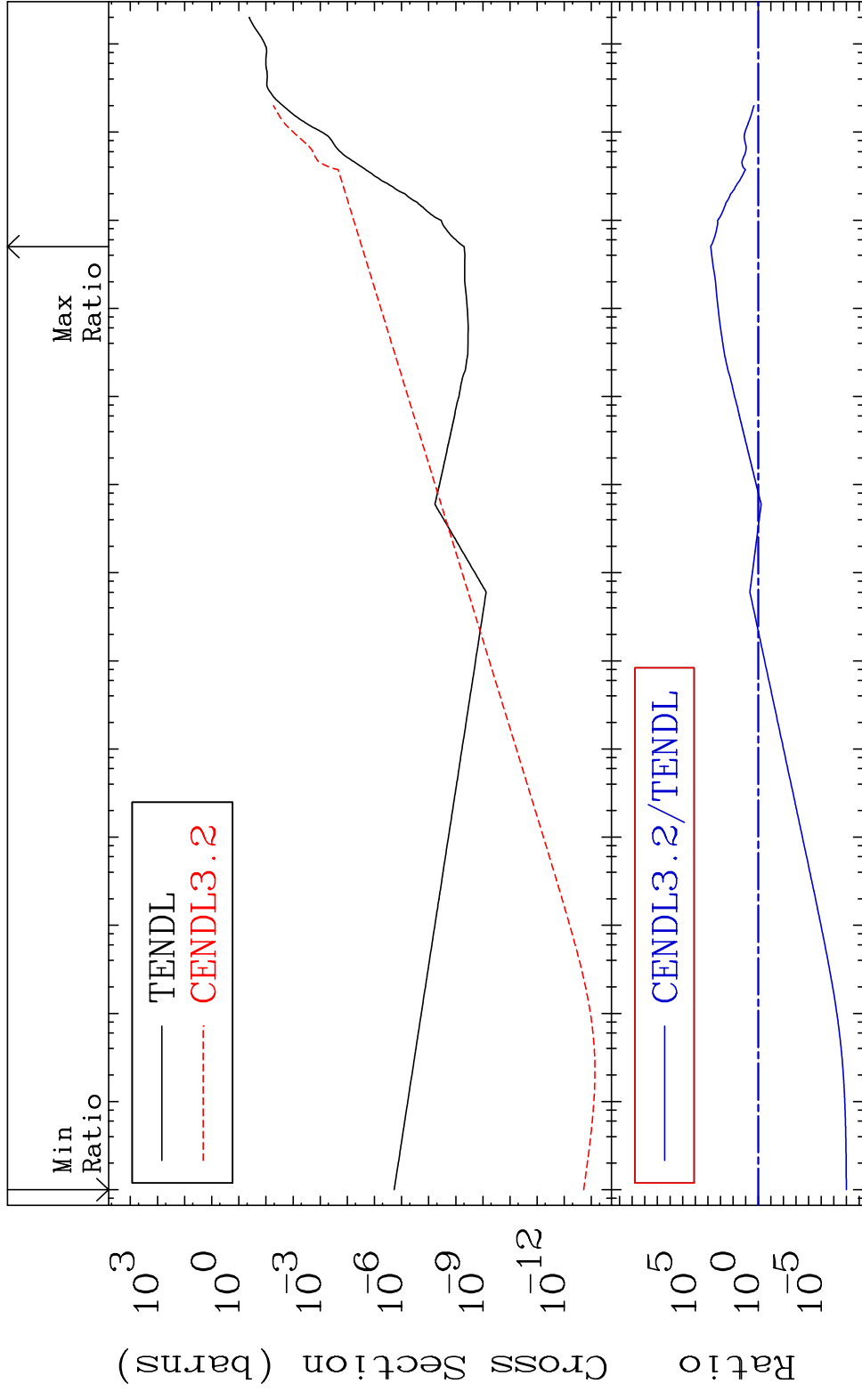
He-3 Production

40-Zr-93

Cross Section -100.0 To 9999. %

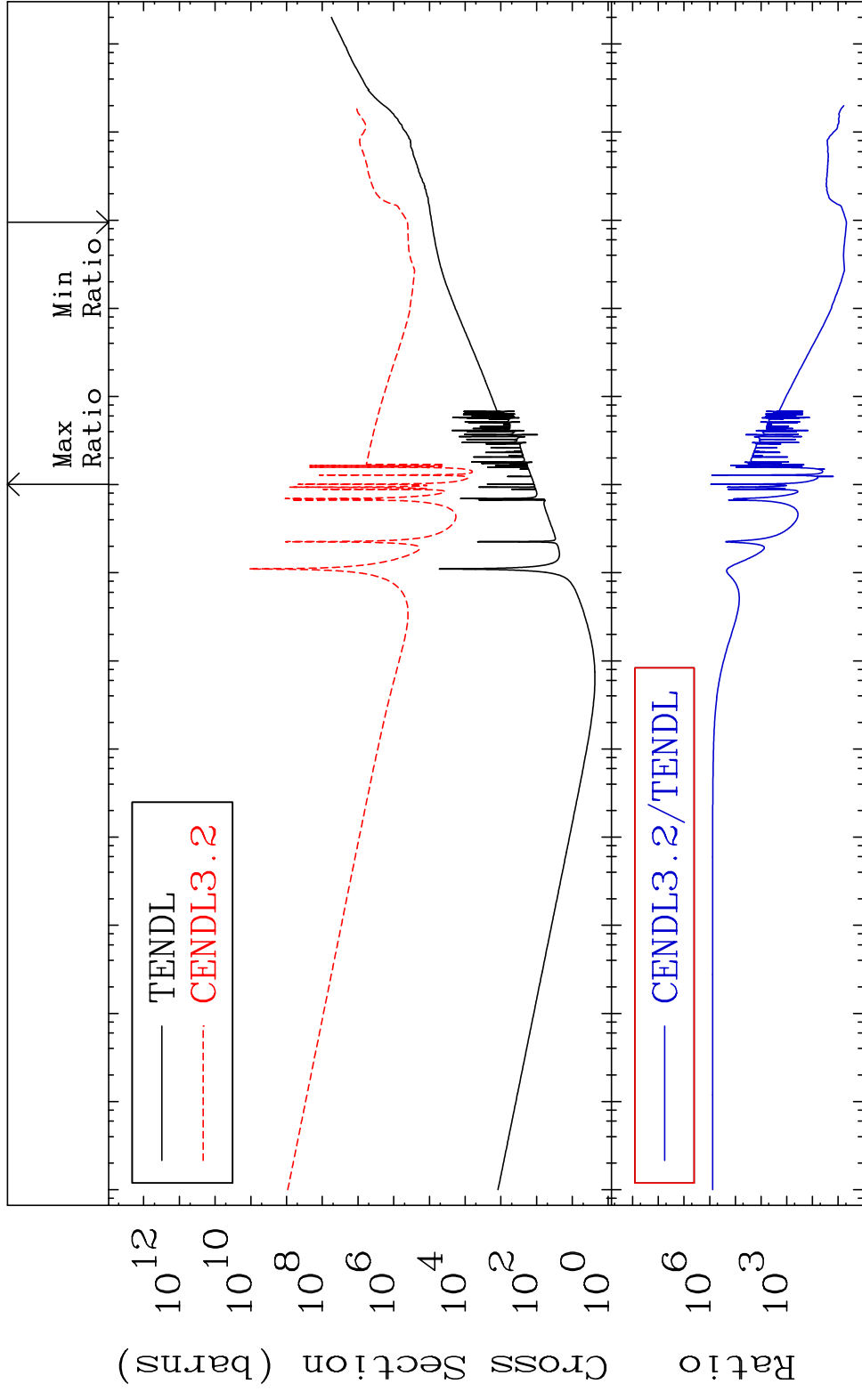


MAT 4034 He-4 Production 40-Zr-93
 Cross Section -100.0 To 9999. %



27 Incident Energy (eV) 40-Zr-93

MAT 4034 Kerma total (eV-barns) 40-Zr-93
 Cross Section 380.5 To 9999. %



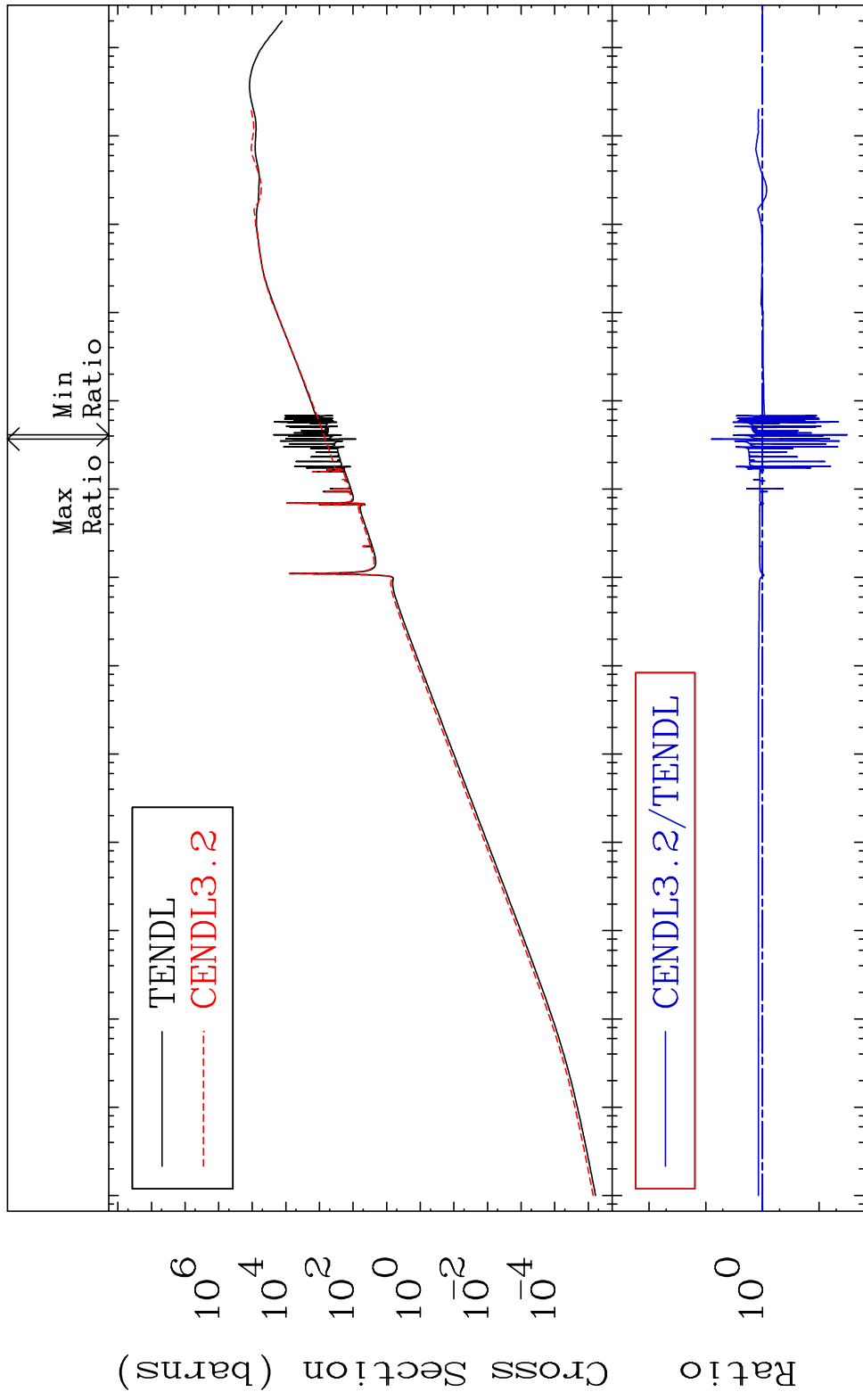
28 Incident Energy (eV) 40-Zr-93

MAT 4034

Kerma elastic

40-Zr-93

Cross Section -96.81 To 692.3 %

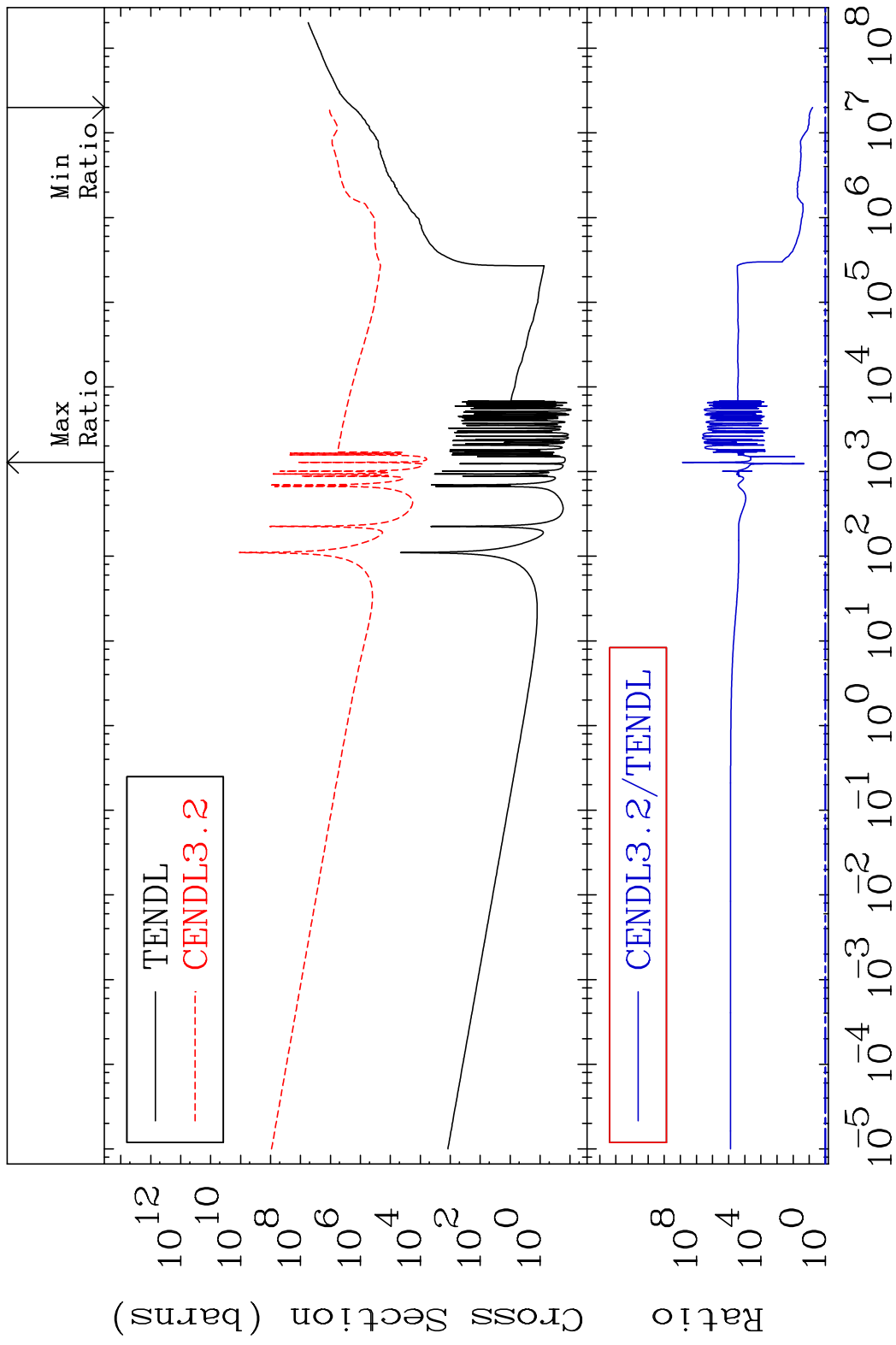


29

Incident Energy (eV)

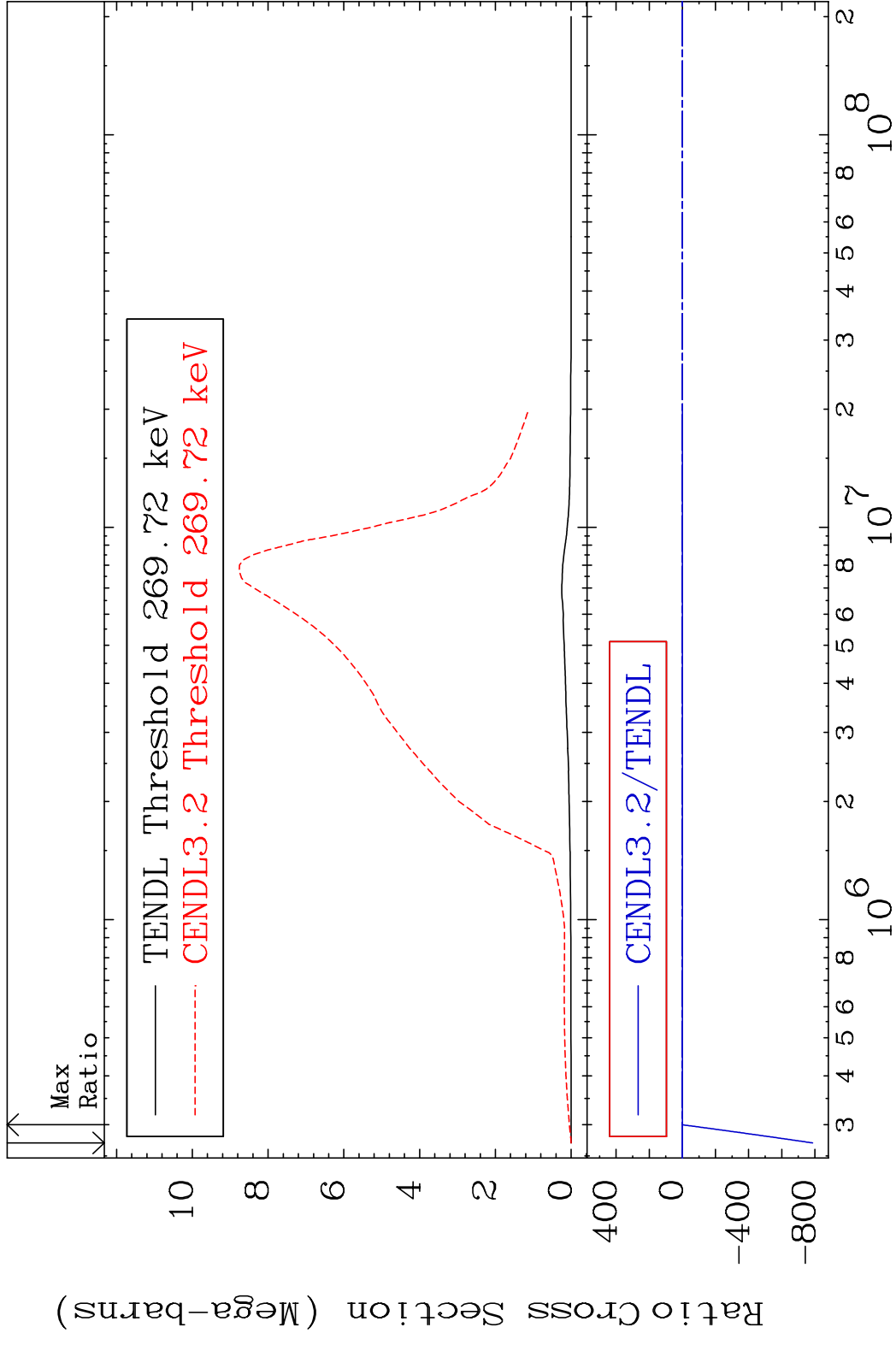
40-Zr-93

MAT 4034 Kerma non-elastic (all but mt2) 40-Zr-93
 Cross Section 524.5 To 9999. %

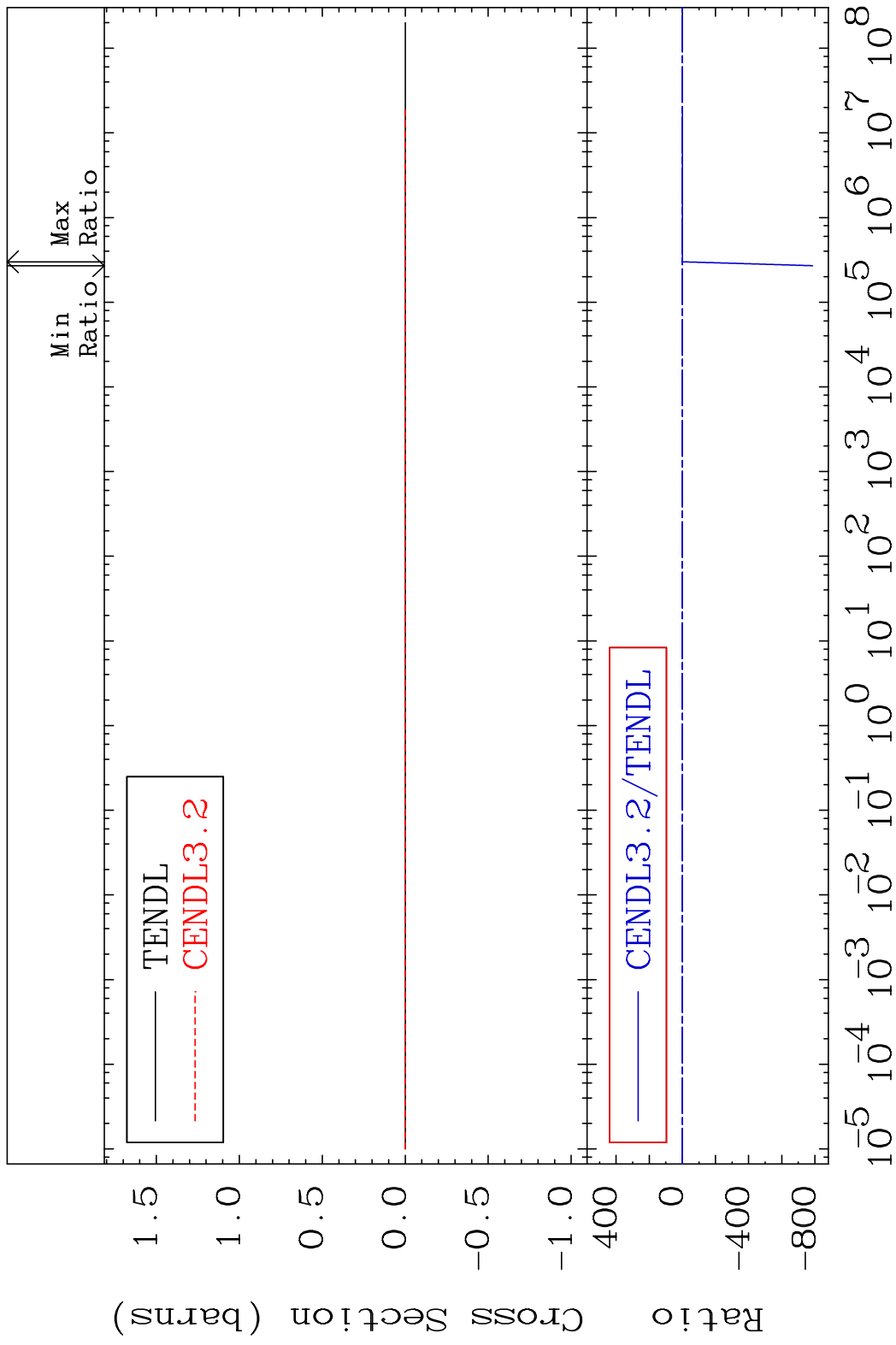


30 Incident Energy (eV) 40-Zr-93

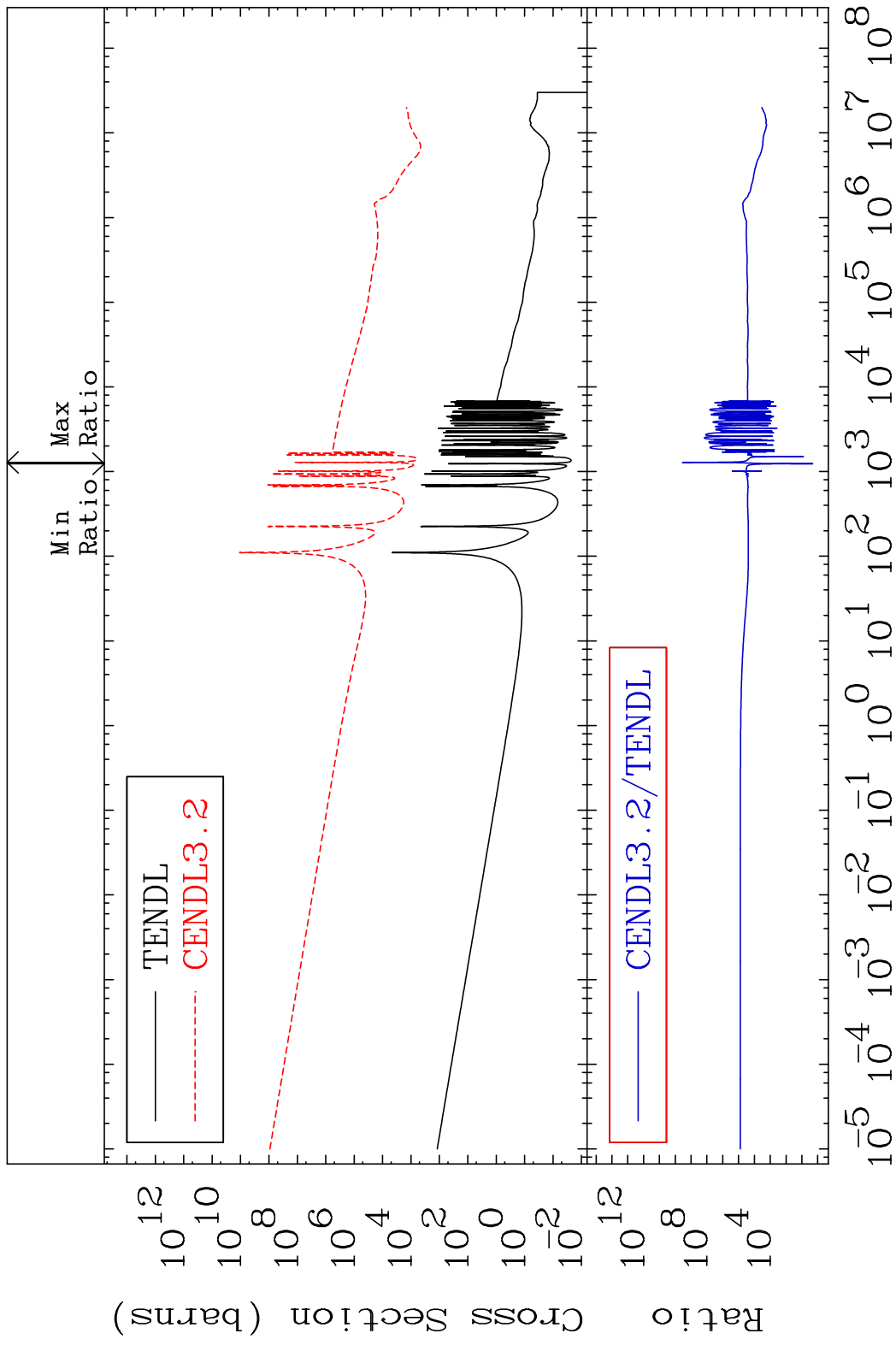
MAT 4034 Kerma inelastic (mt51-91) 40-Zr-93
 Cross Section -9999. To 9322. %



MAT 4034 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-93
 Cross Section -9999. To 9322. %

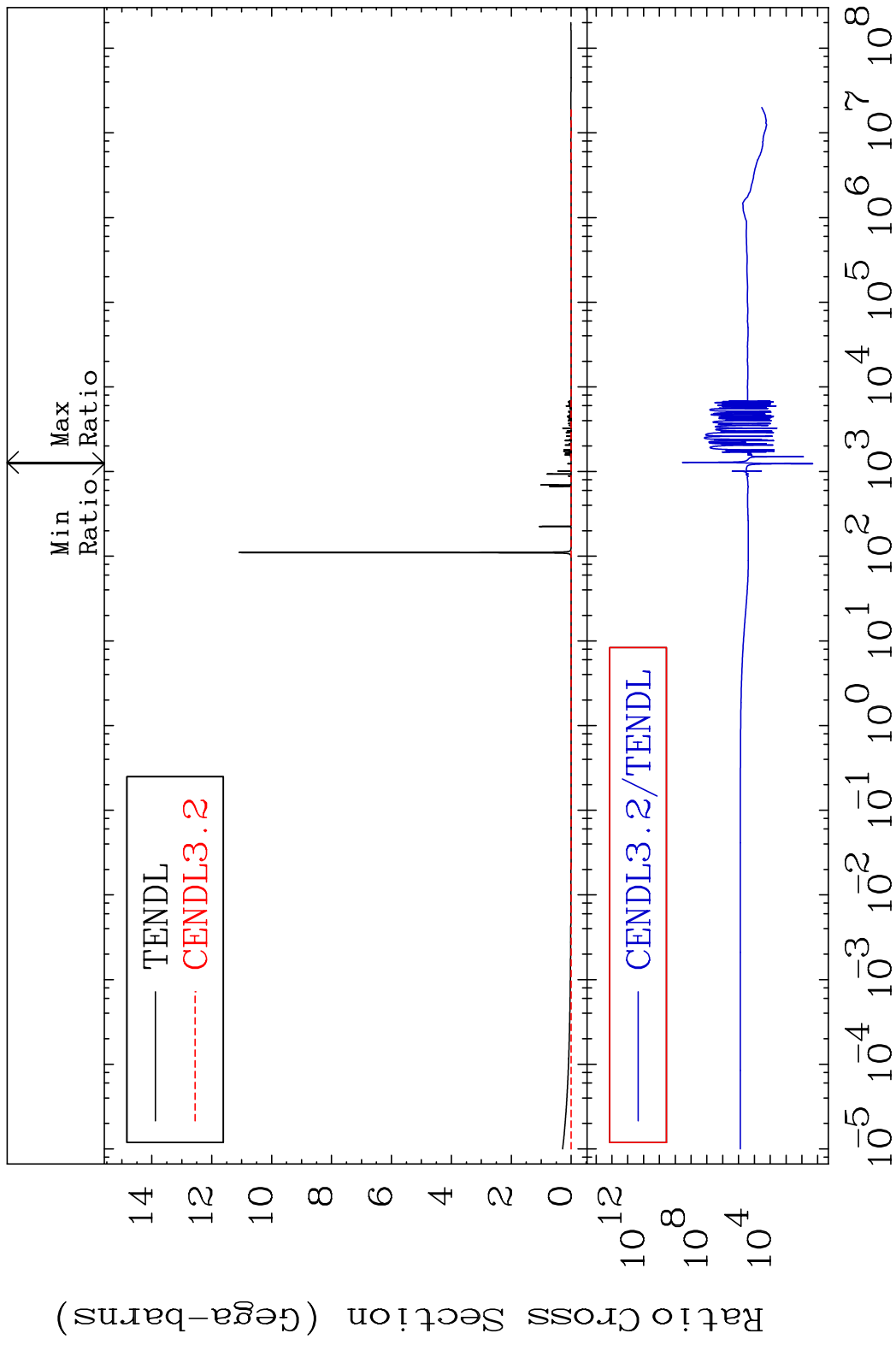


MAT 4034 Kerma capture (mt102) 40-Zr-93
 Cross Section 2013. To 9999. %



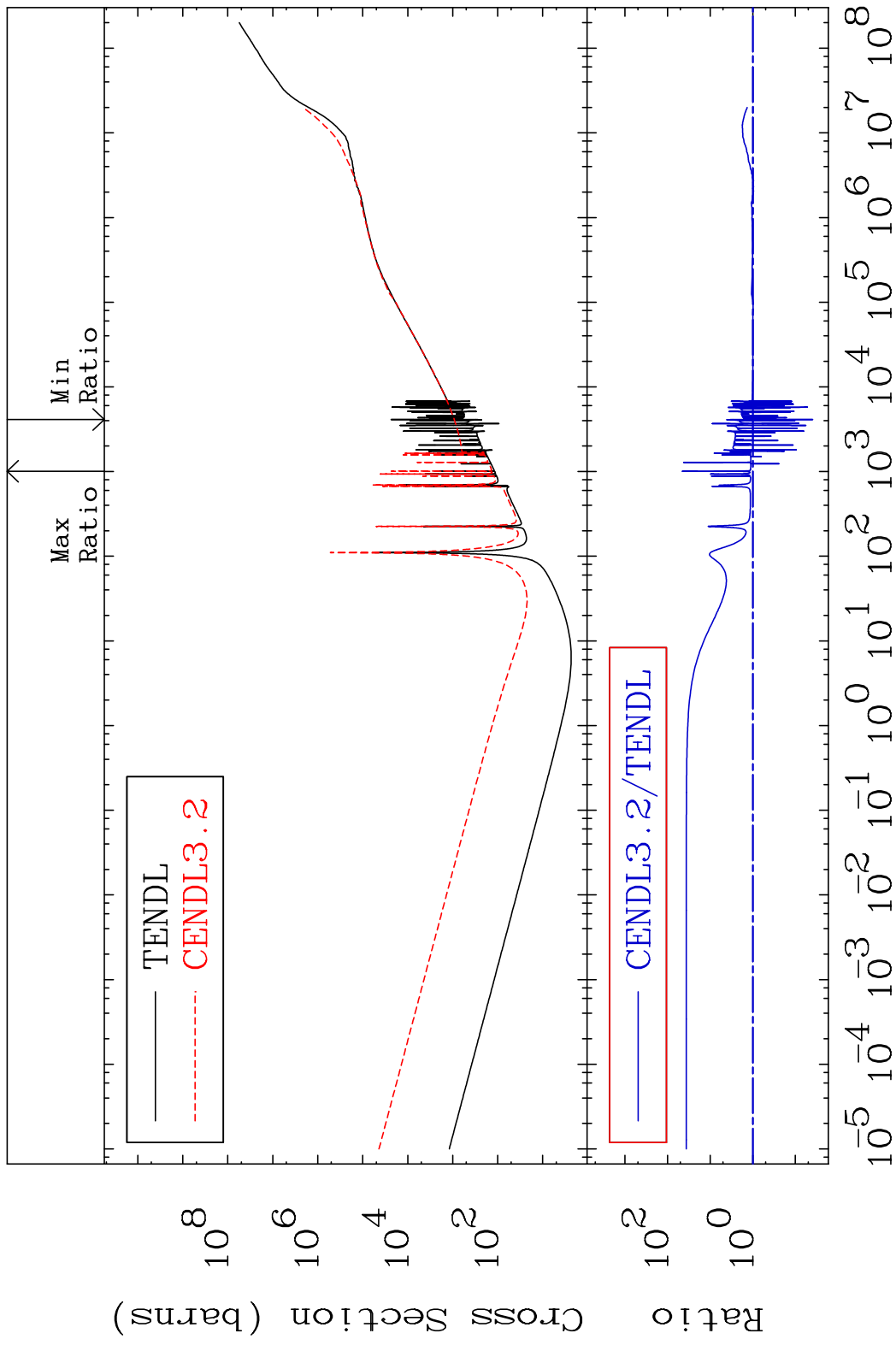
33 Incident Energy (eV) 40-Zr-93

MAT 4034 Total photon (eV-barns) 40-Zr-93
 Cross Section 2013. To 9999. %



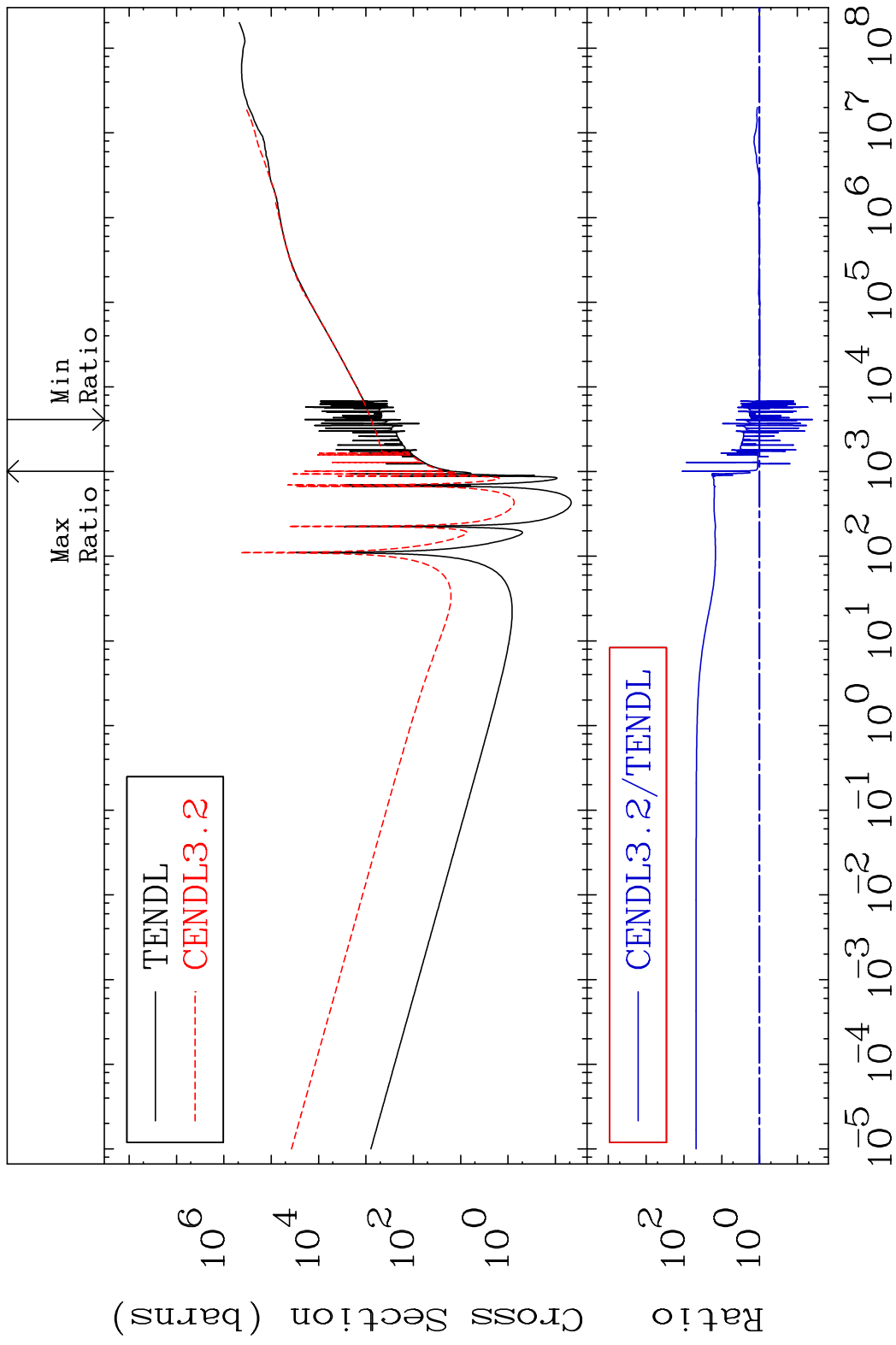
34 Incident Energy (eV) 40-Zr-93

MAT 4034 Total kinematic kerma (high limit) 40-Zr-93
 Cross Section -96.06 To 4402. %



35 Incident Energy (eV) 40-Zr-93

MAT 4034 Dpa total (eV-barns) 40-Zr-93
 Cross Section -96.02 To 9999. %



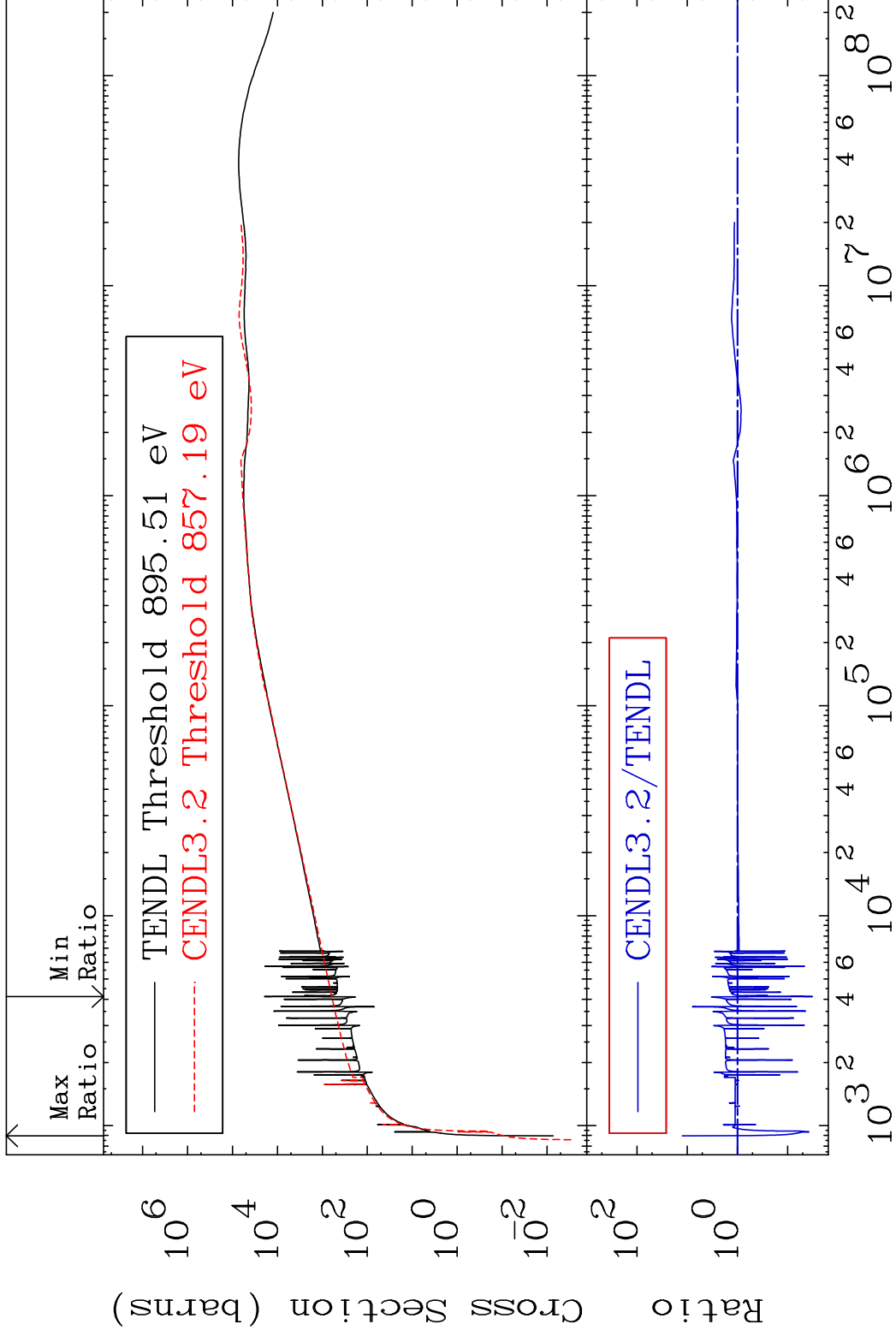
36 Incident Energy (eV) 40-Zr-93

MAT 4034

Dpa elastic (mt2)

40-Zr-93

Cross Section -96.80 To 1158. %

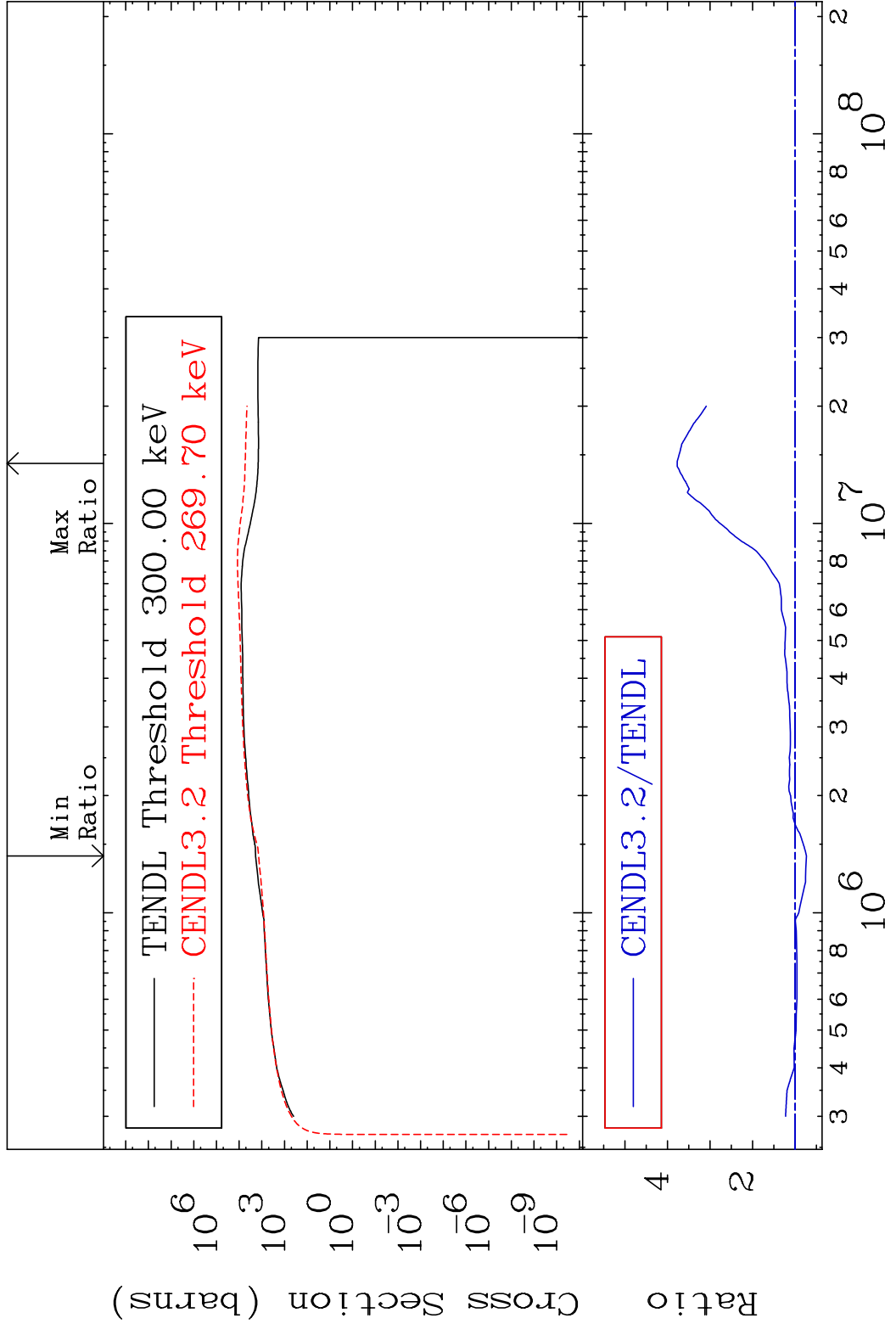


37

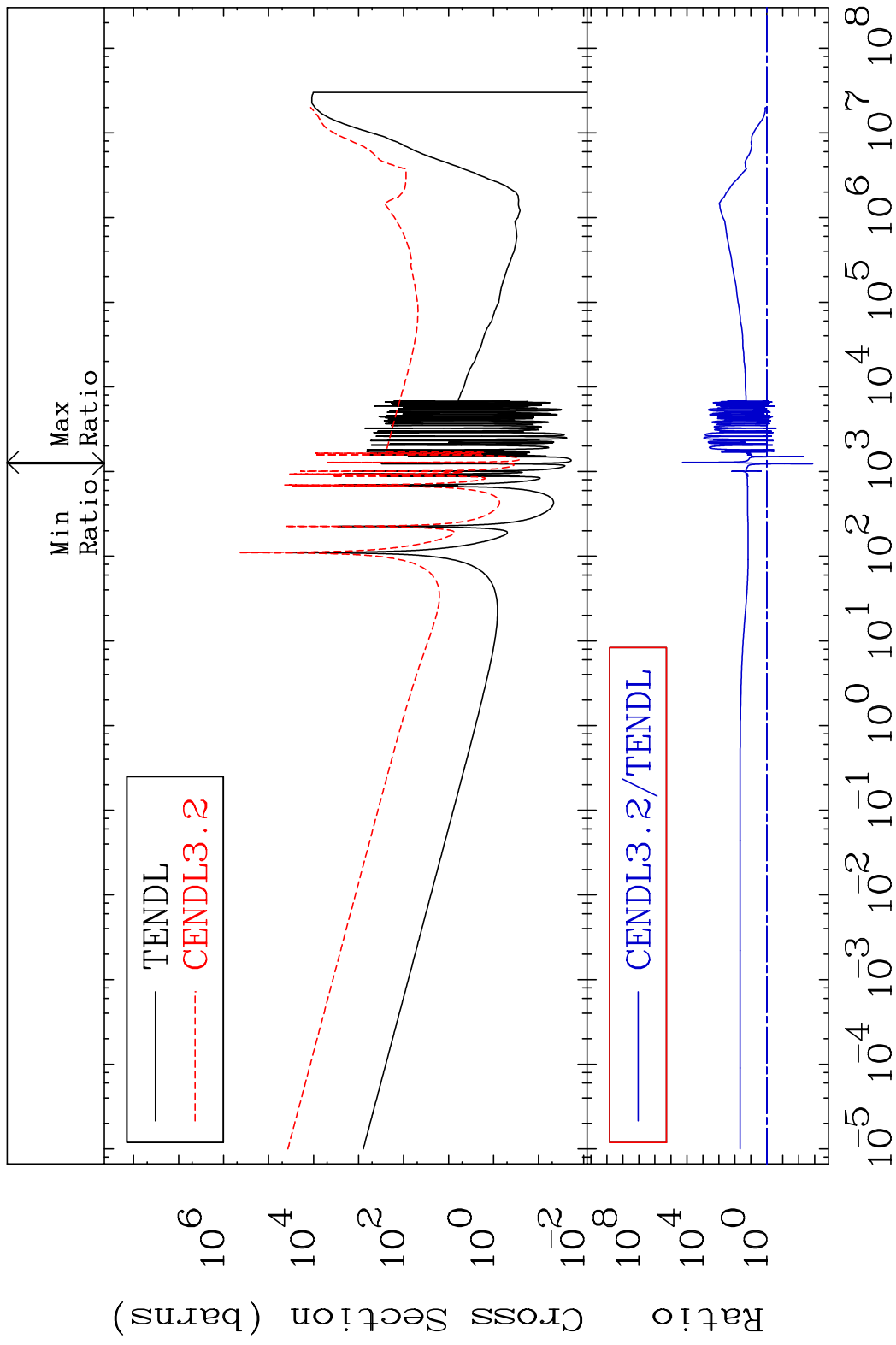
Incident Energy (eV)

40-Zr-93

MAT 4034 Dpa inelastic (mt51-91) 40-Zr-93
 Cross Section -26.70 To 277.1 %

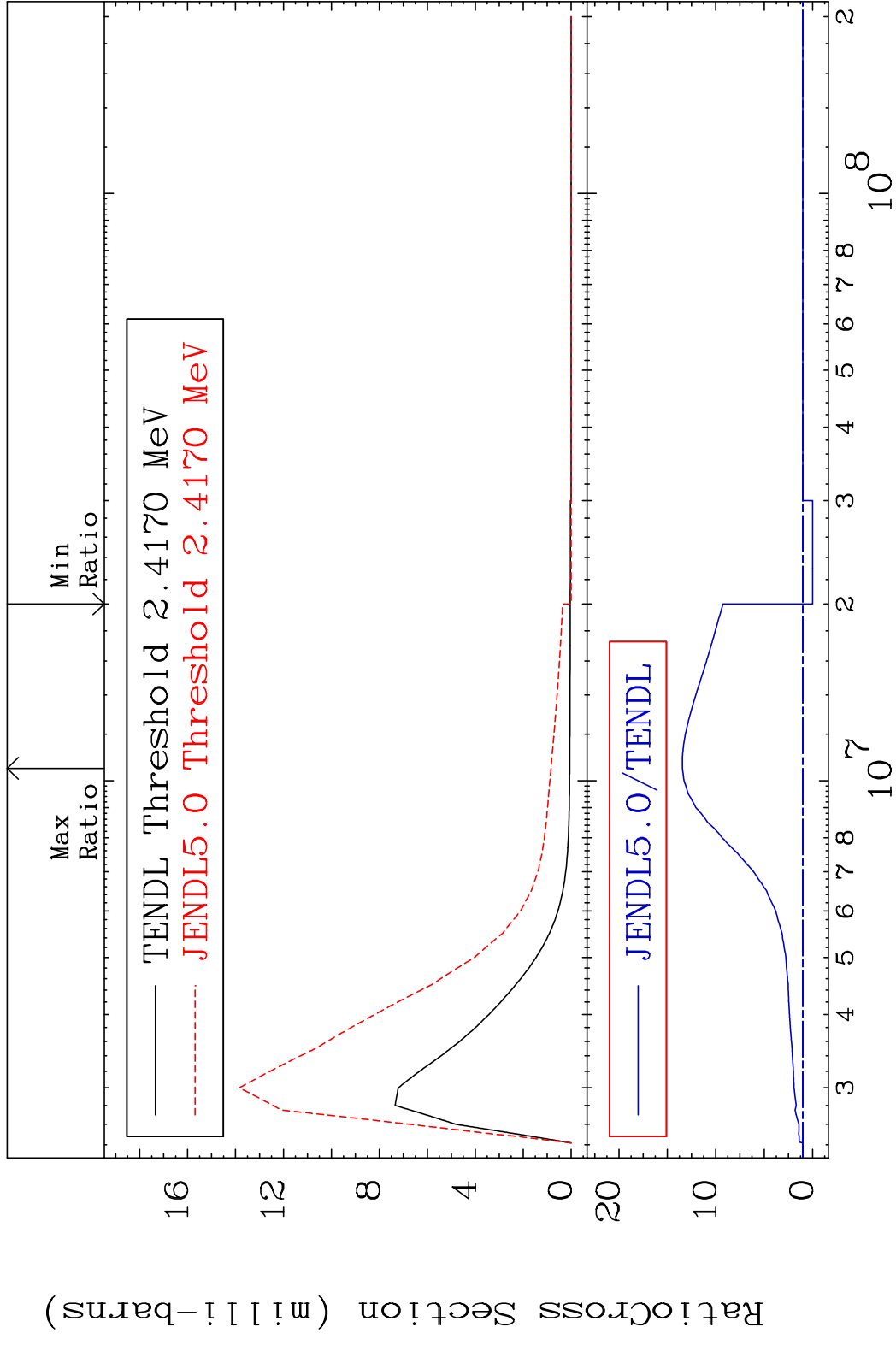


MAT 4034 Dpa disappearance (mt102 -120) 40-Zr-93
 Cross Section -99.86 To 9999. %



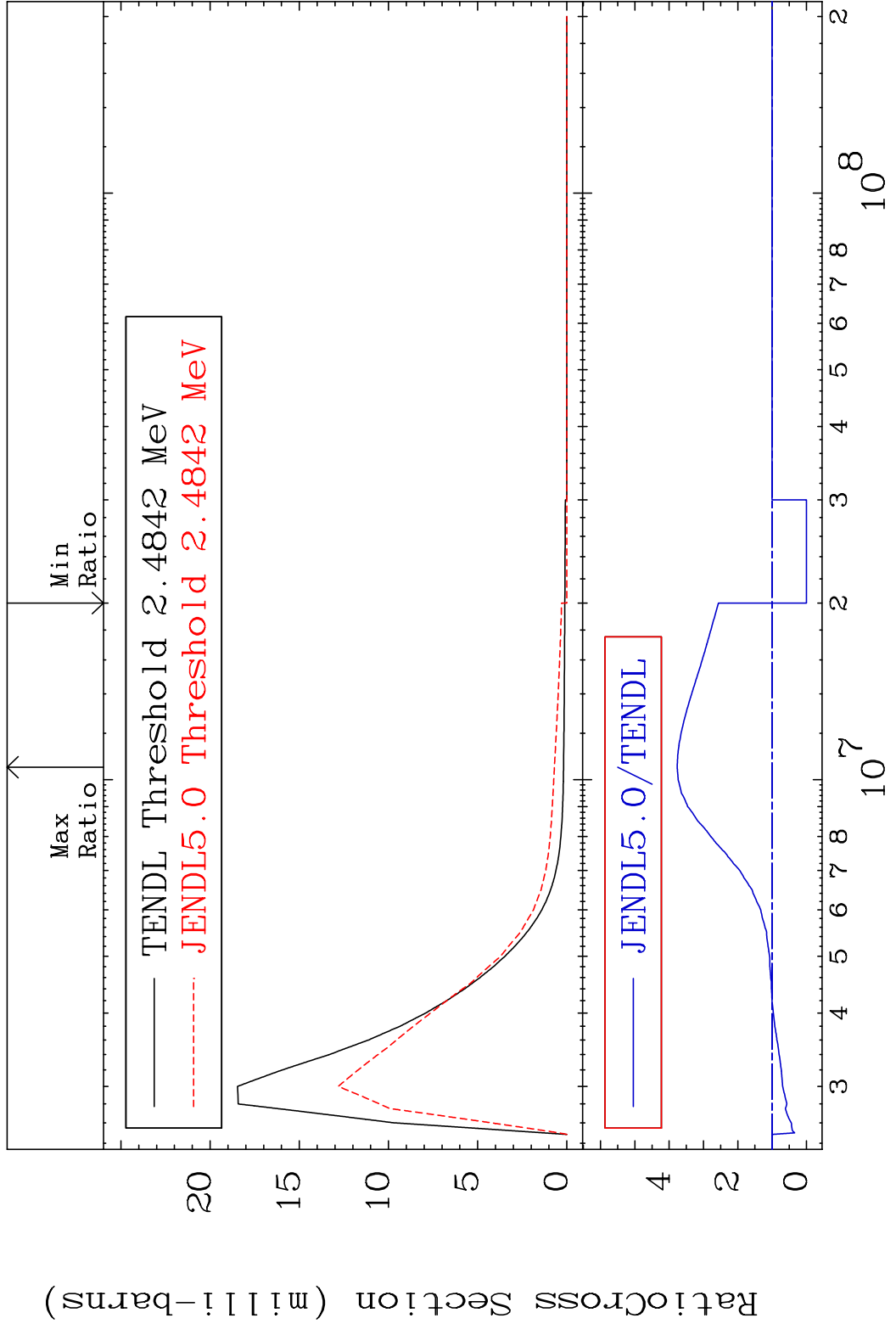
39 Incident Energy (eV) 40-Zr-93

MAT 4034 MT= 78 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 1245. %



40 40-Zr-93

MAT 4034 MT= 79 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 276.6 %

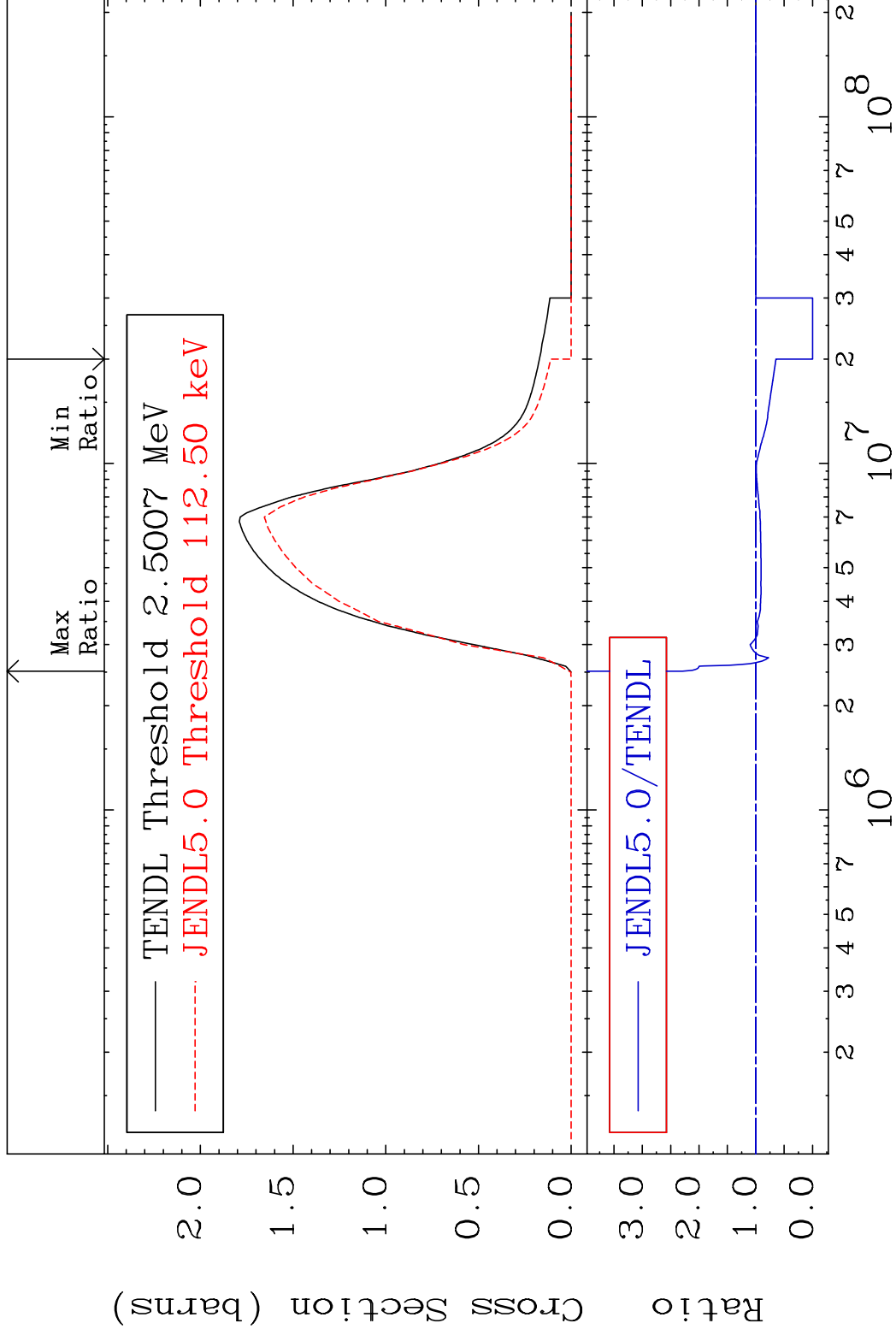


MAT 4034

(n, n') Continuum

40-Zr-93

Cross Section -100.0 To 129.4 %



42

Incident Energy (eV)

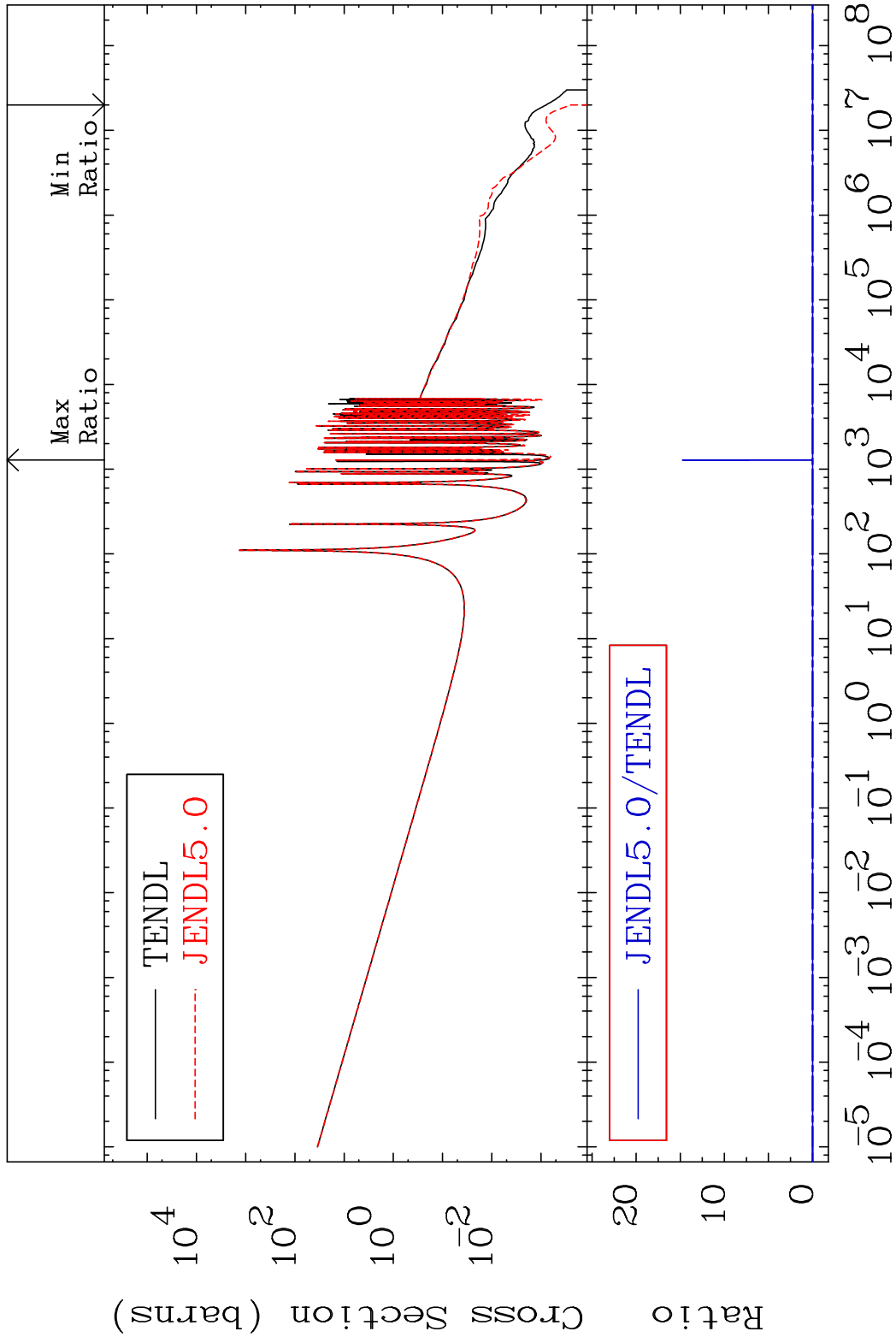
40-Zr-93

MAT 4034

(n, γ)

40-Zr-93

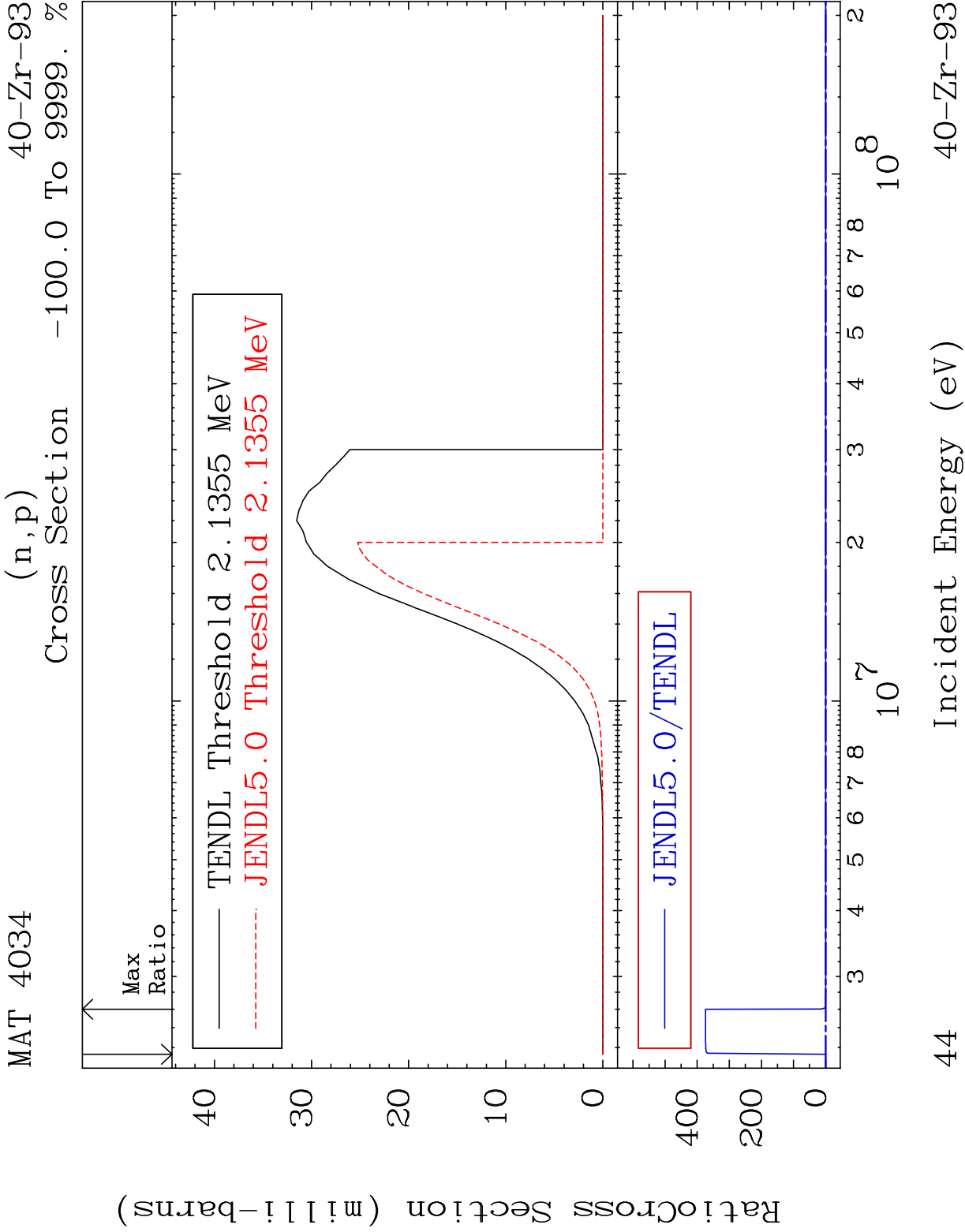
Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

40-Zr-93

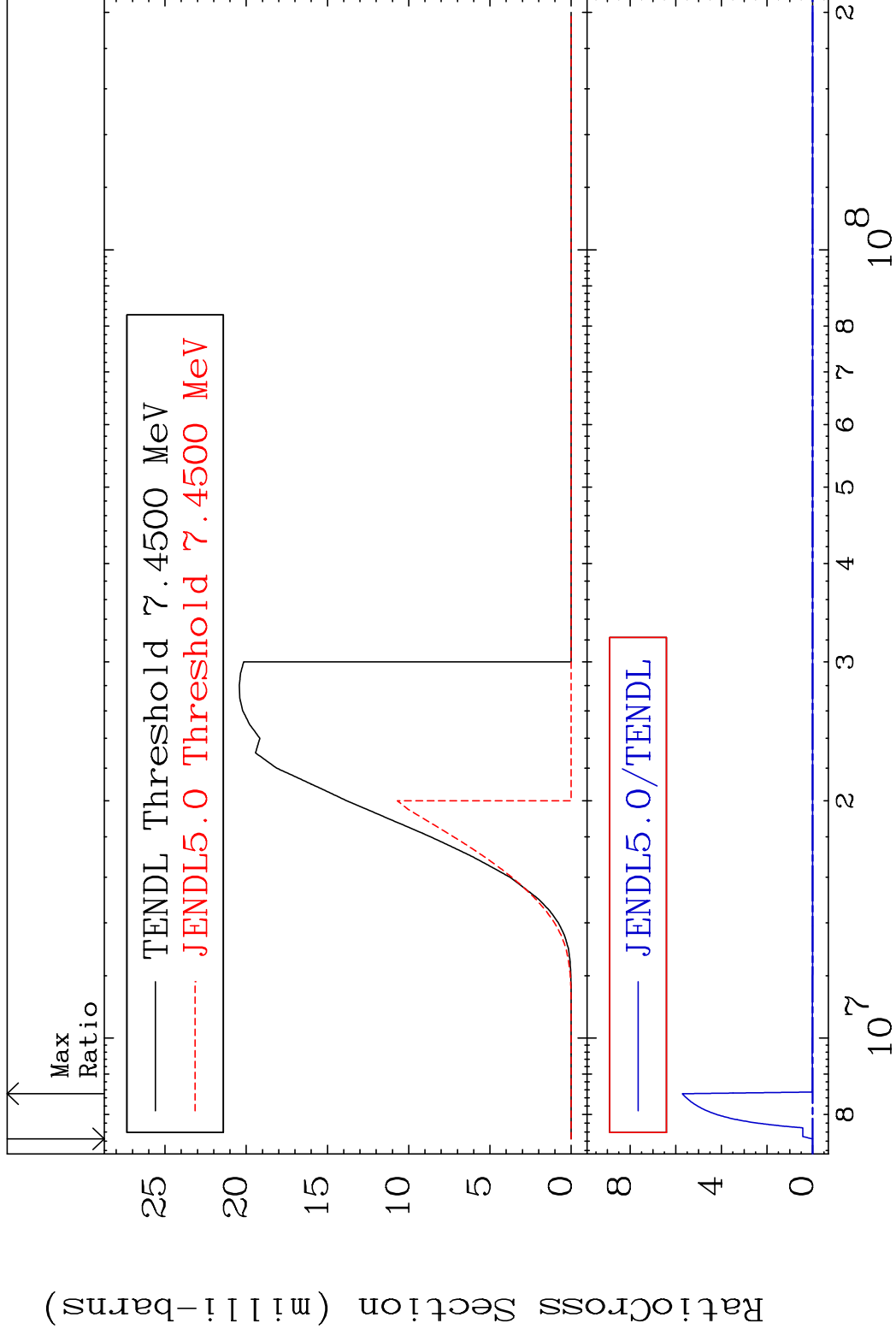


MAT 4034

(n,d)

40-Zr-93

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

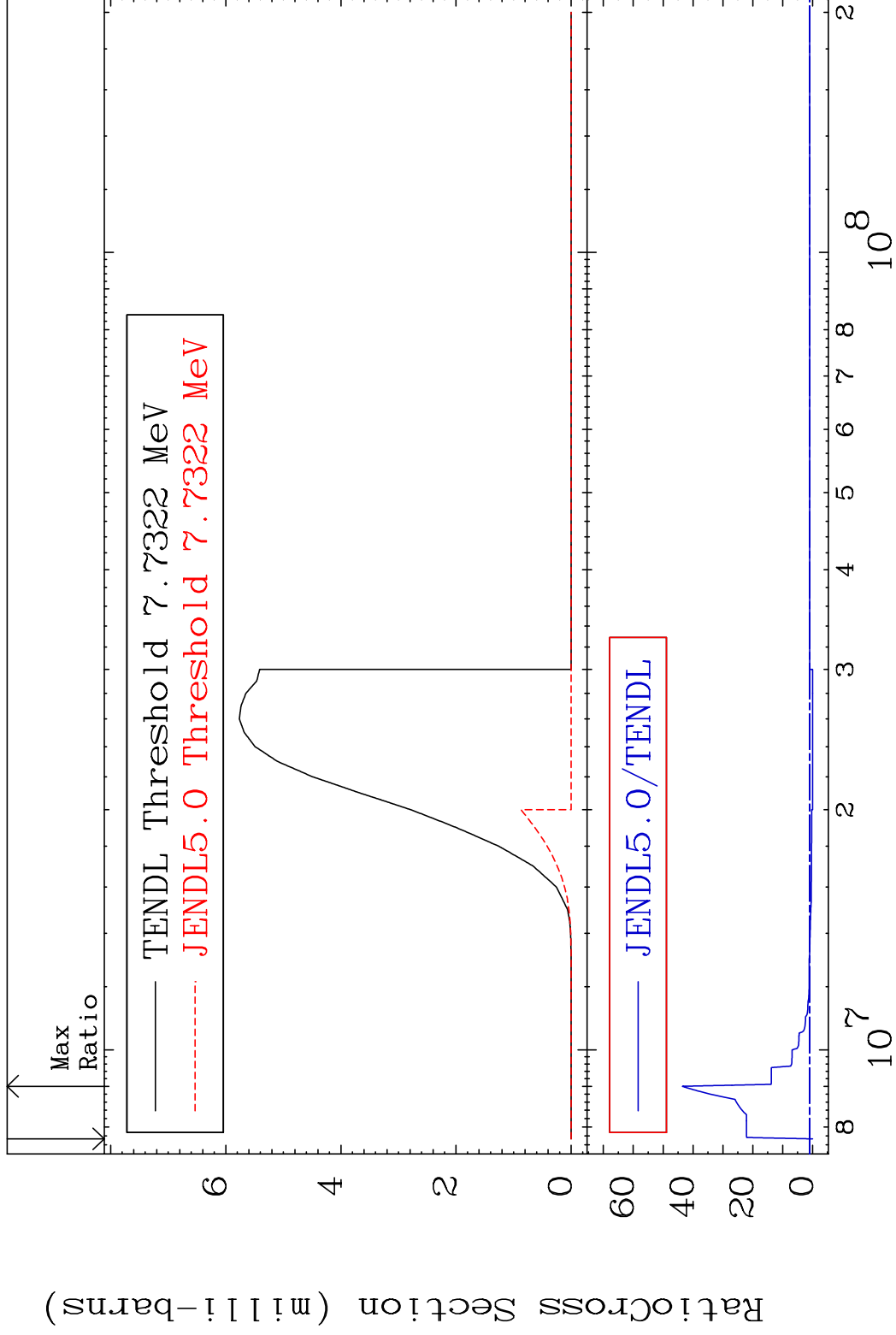
40-Zr-93

MAT 4034

(n, t)

40-Zr-93

Cross Section -100.0 To 4256. %



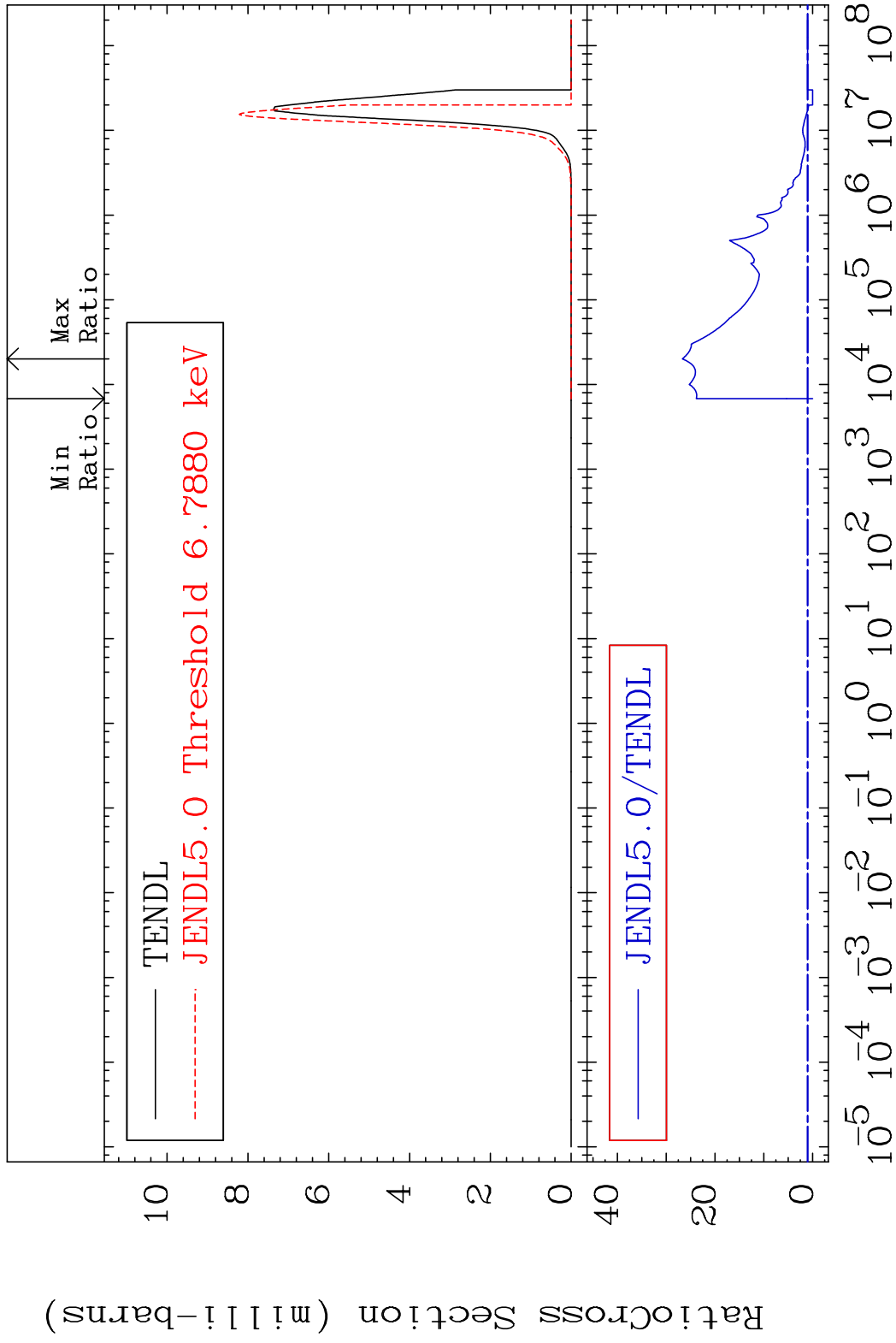
46

Incident Energy (eV)

40-Zr-93

MAT 4034

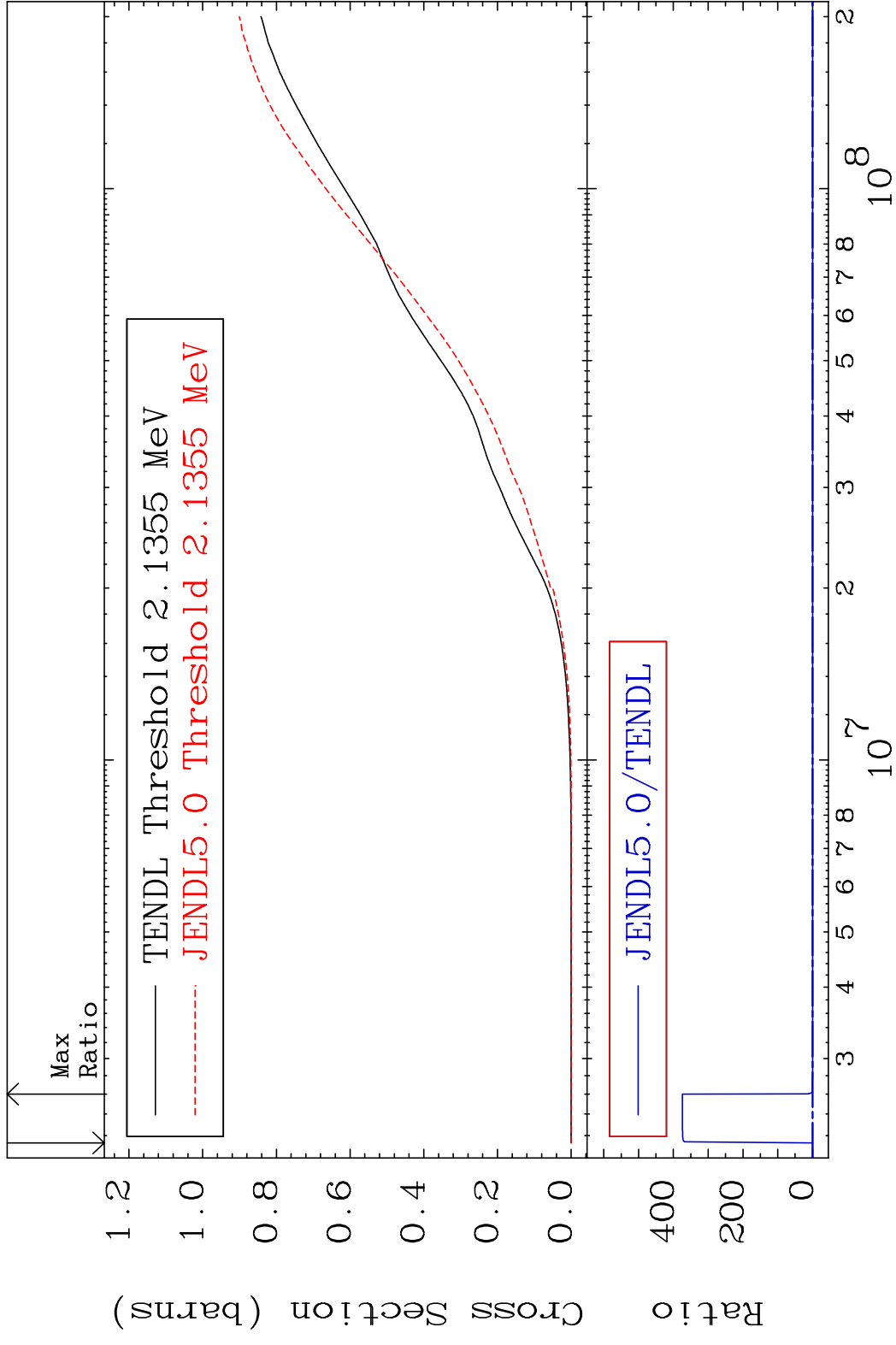
(n, α)
Cross Section -100.0 To 2568. %
40-Zr-93



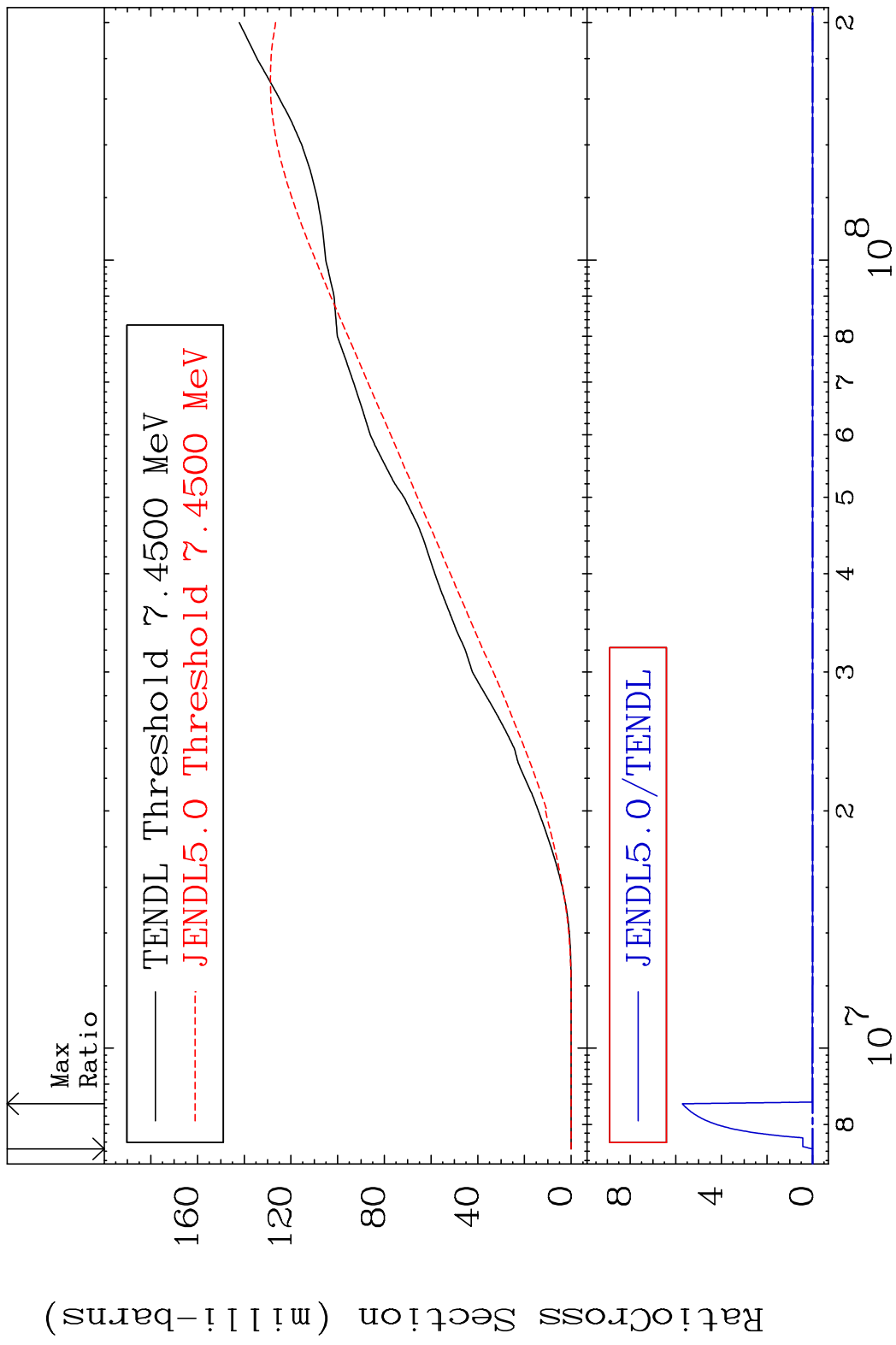
47

Incident Energy (eV) 40-Zr-93

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

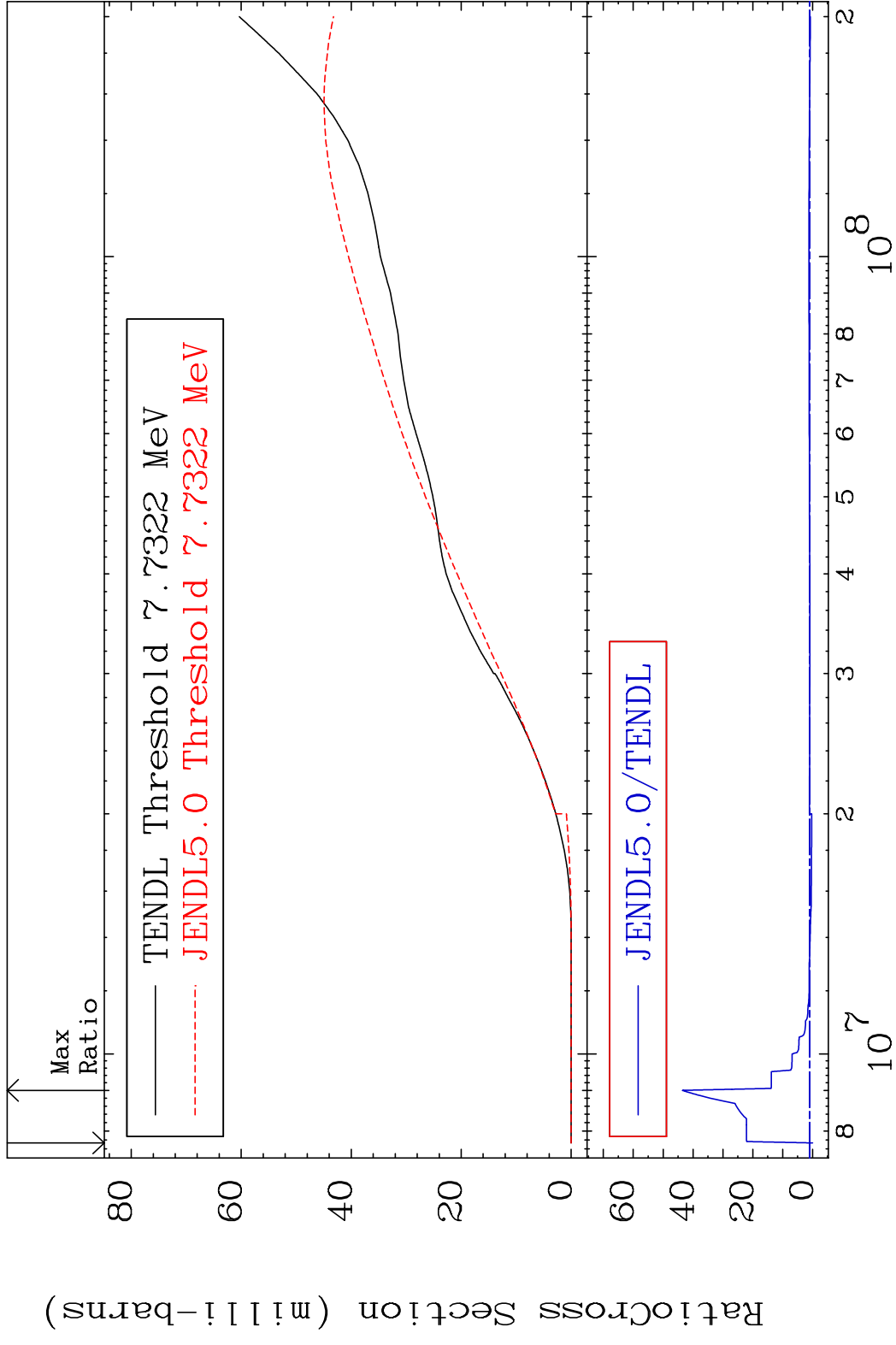


MAT 4034 Deuterium Production 40-Zr-93
 Cross Section -100.0 To 9999. %



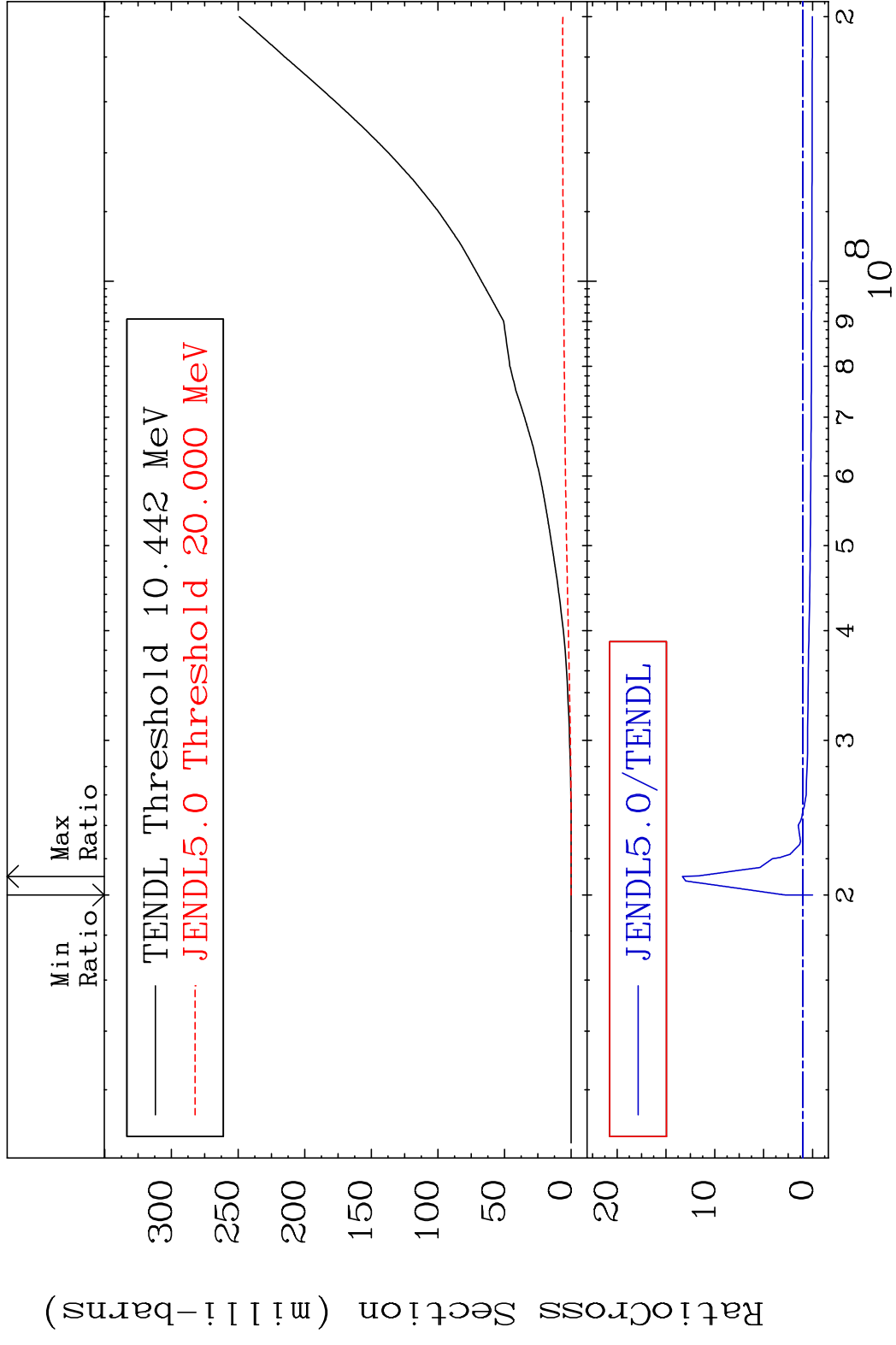
49 40-Zr-93

MAT 4034 Tritium Production 40-Zr-93
 Cross Section -100.0 To 4256. %



50 40-Zr-93

MAT 4034 He-3 Production 40-Zr-93
 Cross Section -100.0 To 1232. %



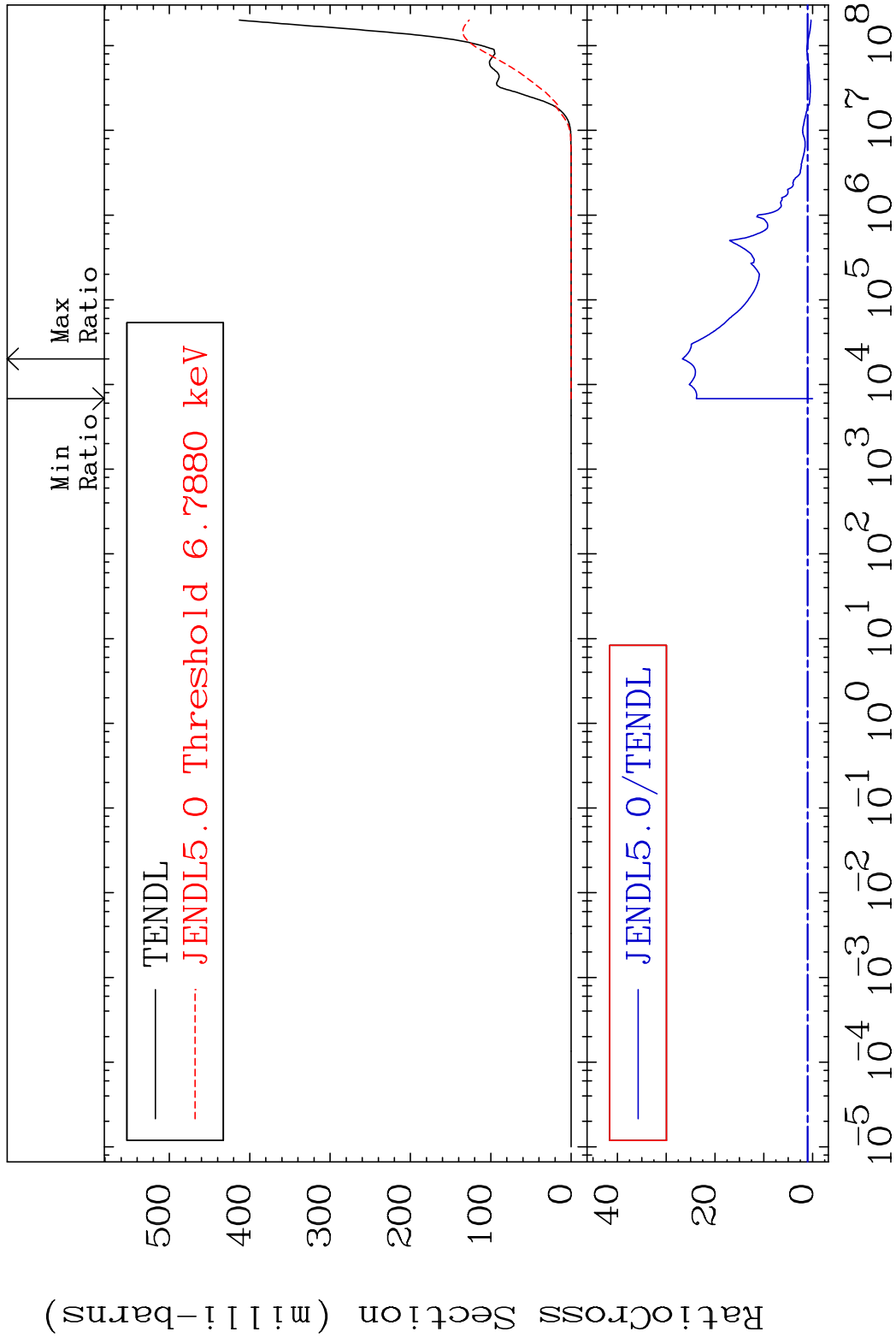
51 Incident Energy (eV) 40-Zr-93

MAT 4034

He-4 Production

40-Zr-93

Cross Section -100.0 To 2568. %

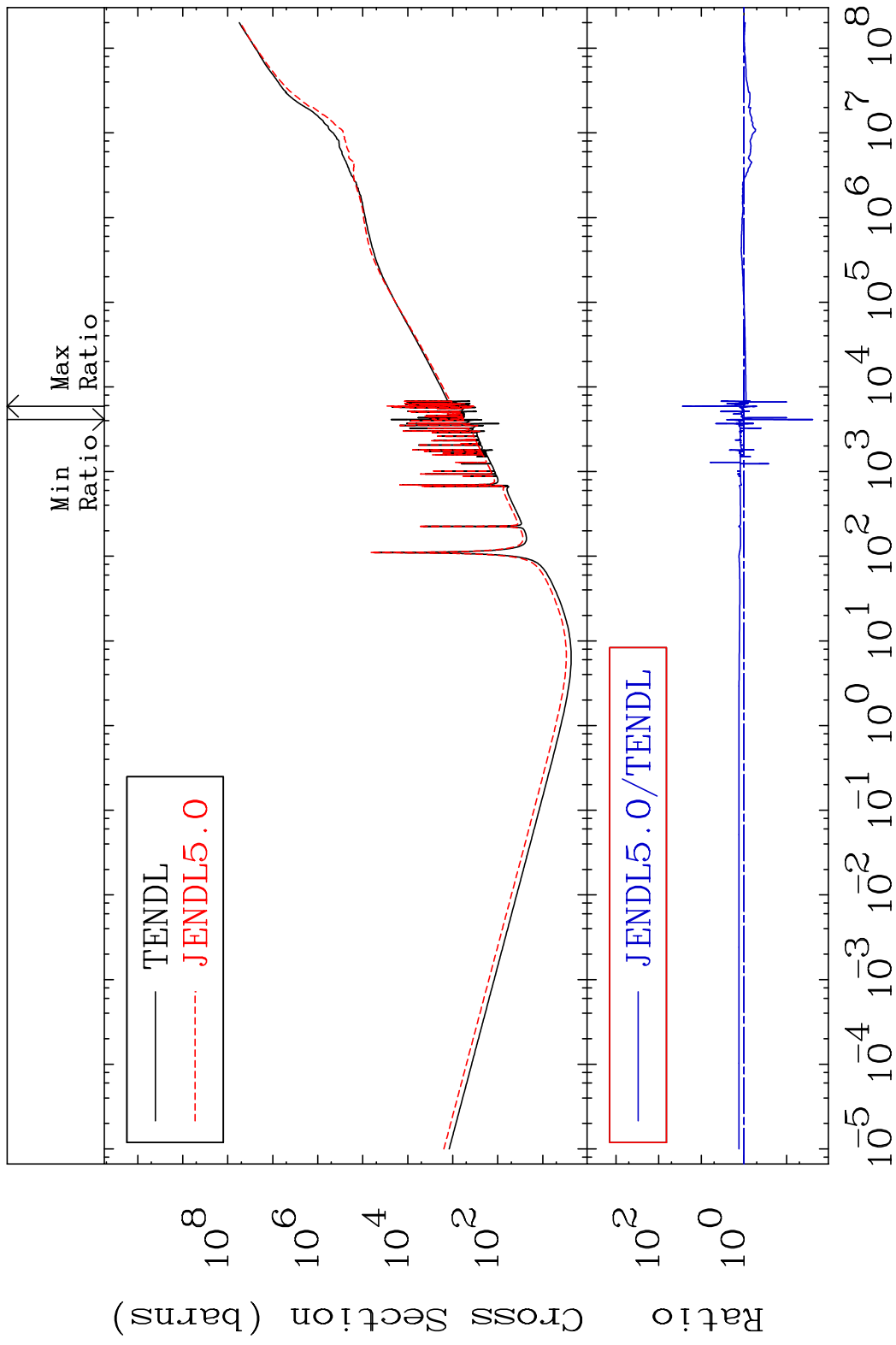


52

Incident Energy (eV)

40-Zr-93

MAT 4034 Kerma total (eV-barns) 40-Zr-93
 Cross Section -97.55 To 2673. %



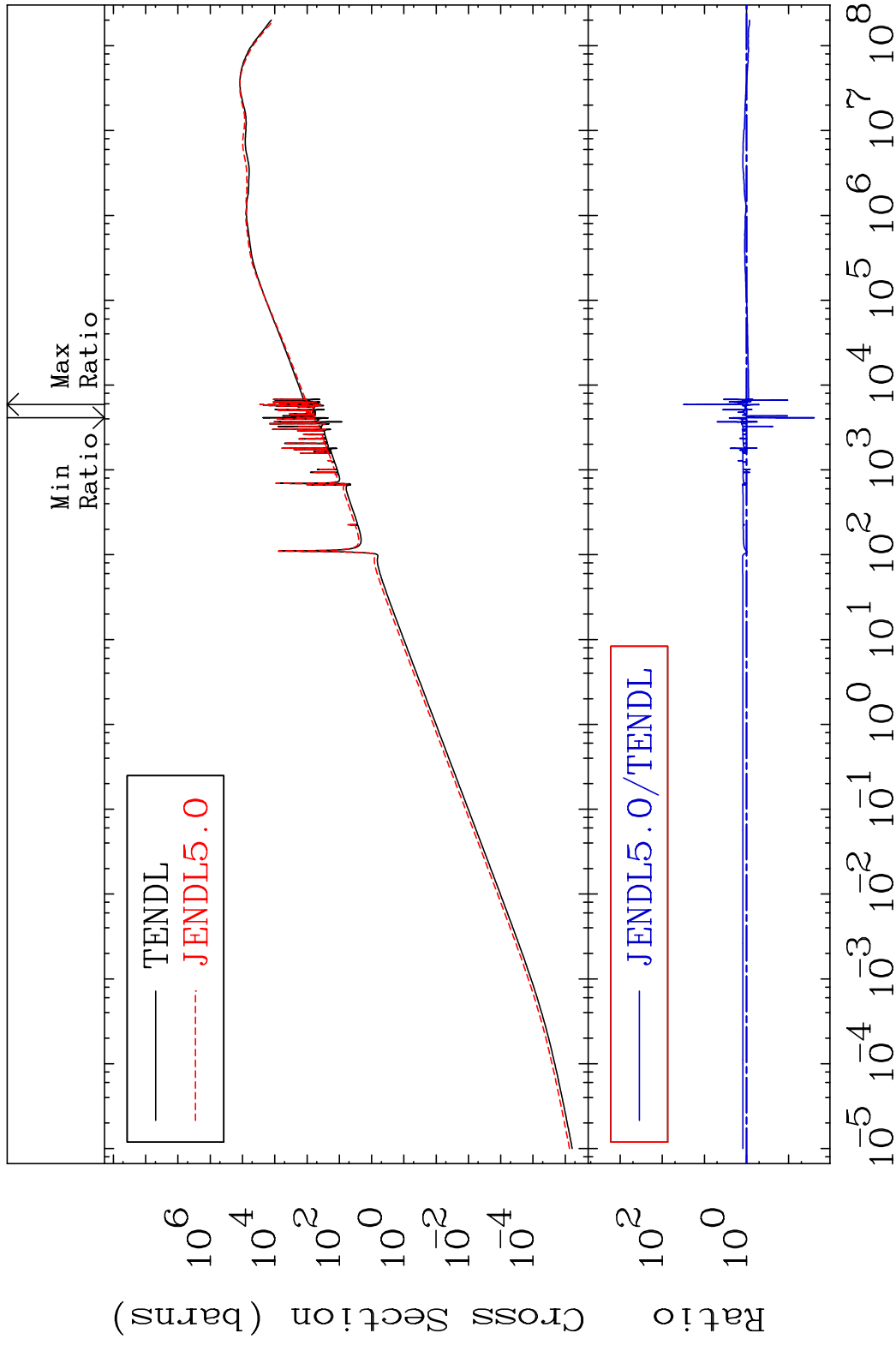
53 Incident Energy (eV) 40-Zr-93

MAT 4034

Kerma elastic
Cross Section

40-Zr-93

-97.52 To 3008. %

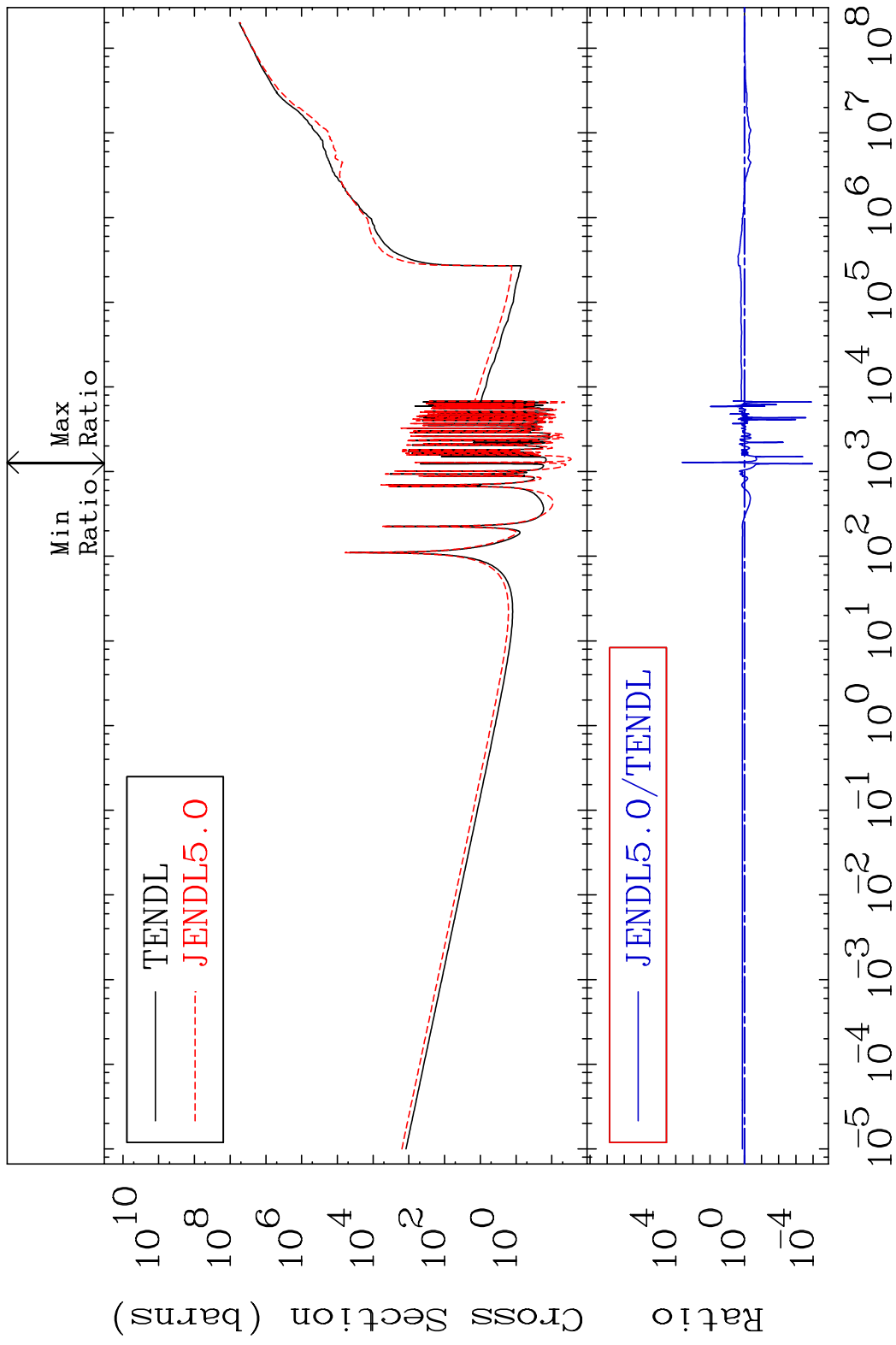


54

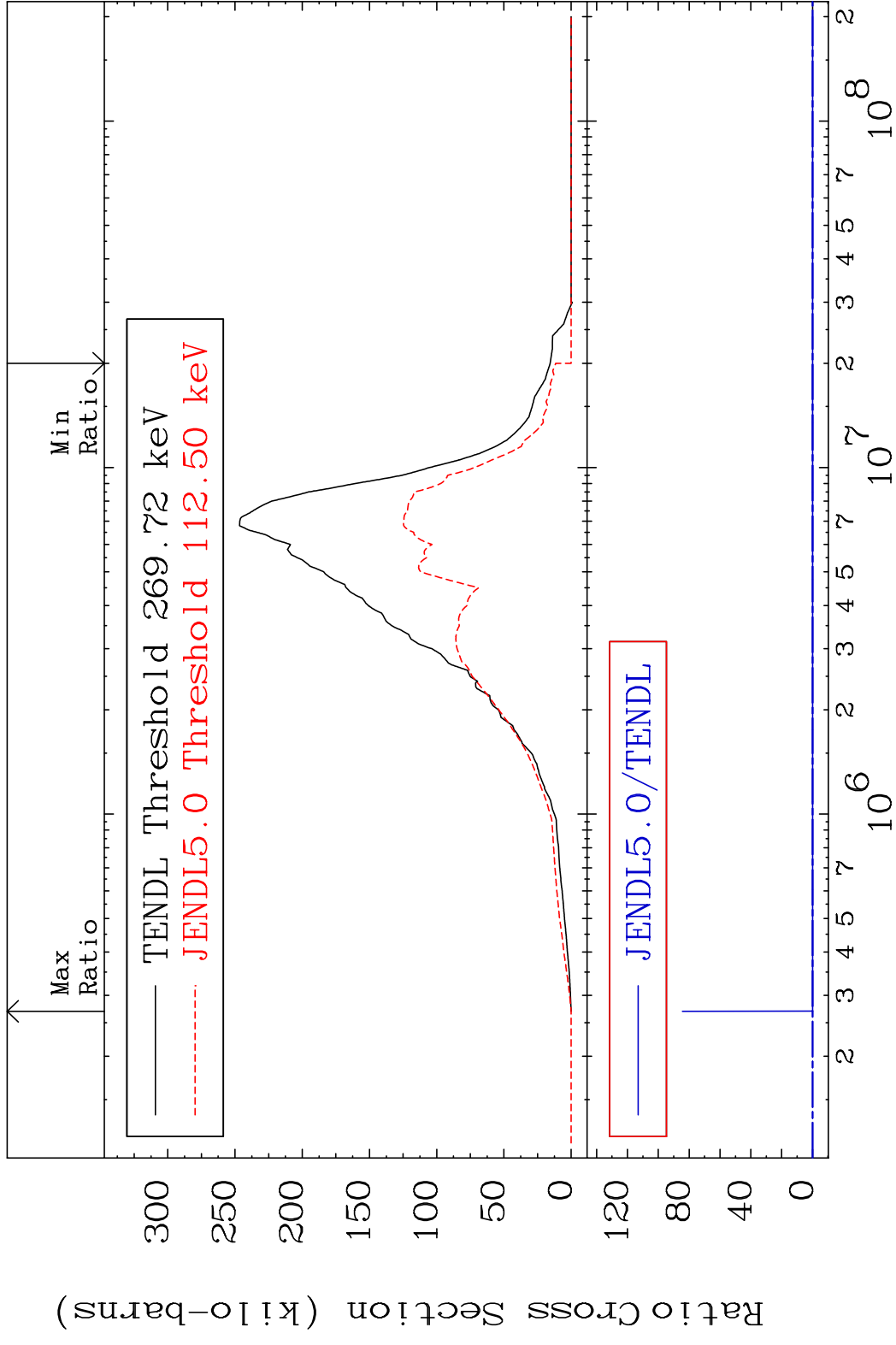
Incident Energy (eV)

40-Zr-93

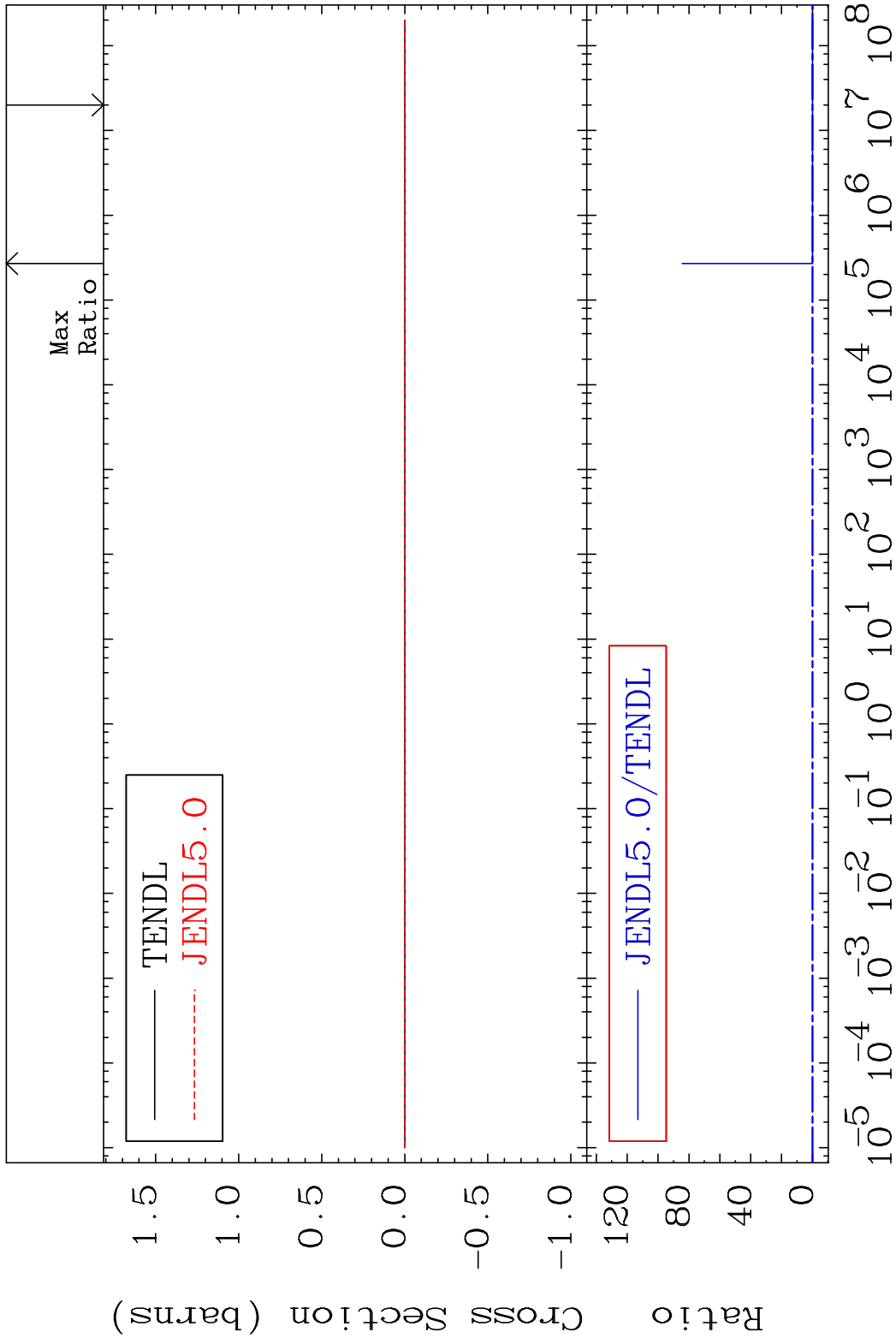
MAT 4034 Kerma non-elastic (all but mt2) 40-Zr-93
Cross Section -99.99 To 9999. %



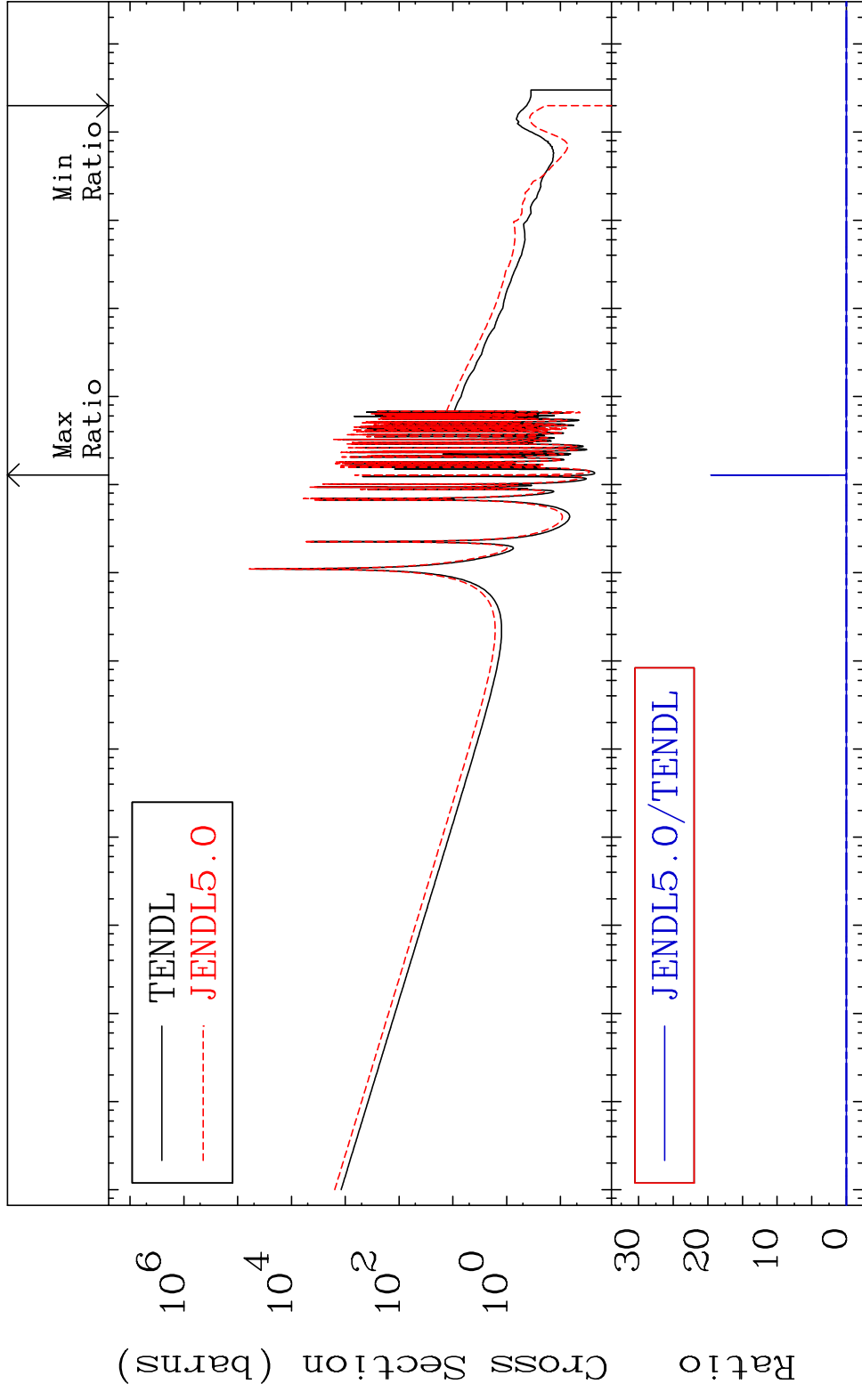
MAT 4034 Kerma inelastic (mt51-91) 40-Zr-93
 Cross Section -100.0 To 9999. %



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

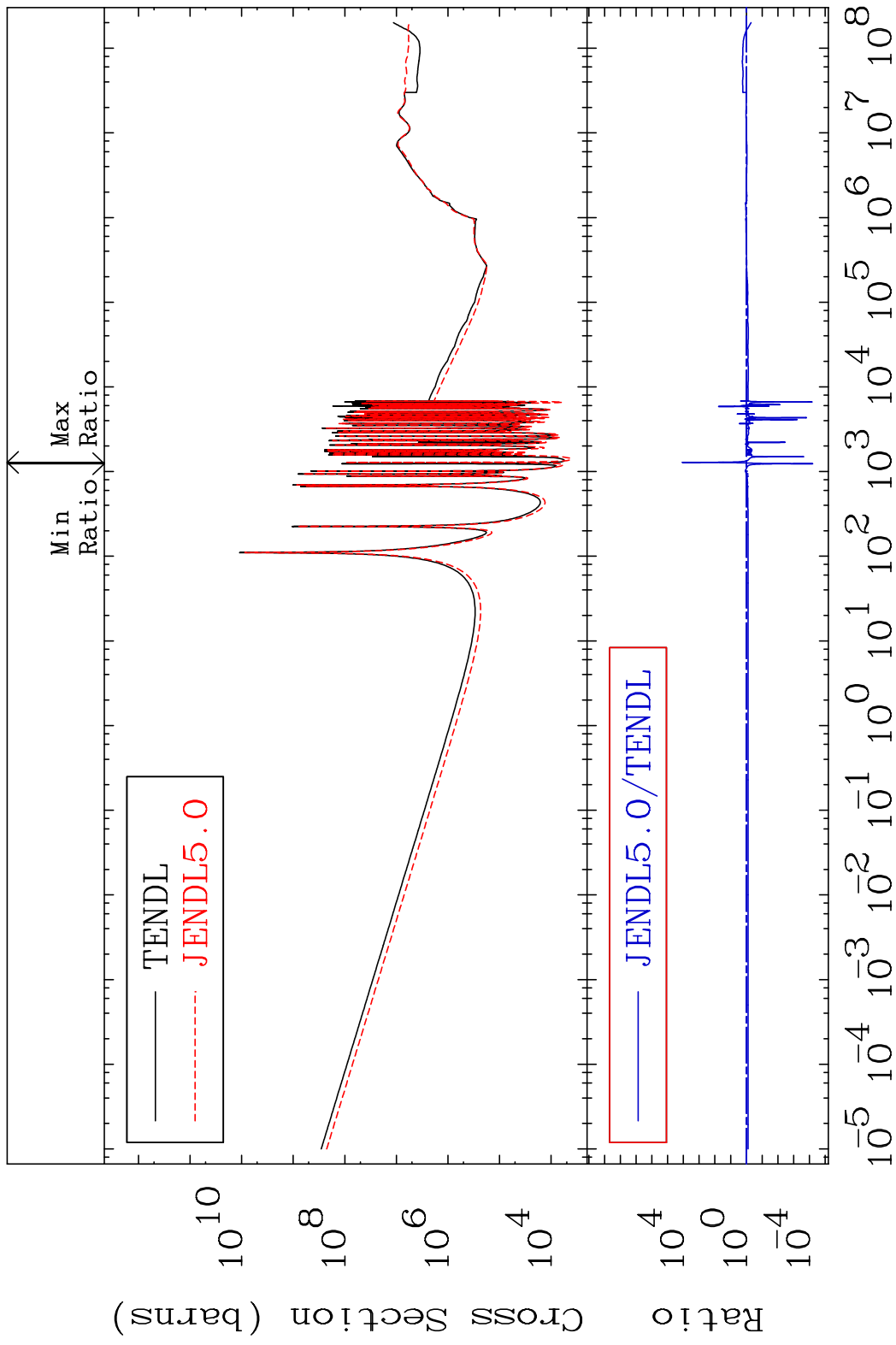


MAT 4034 Kerma capture (mt102) 40-Zr-93
 Cross Section -100.0 To 9999. %



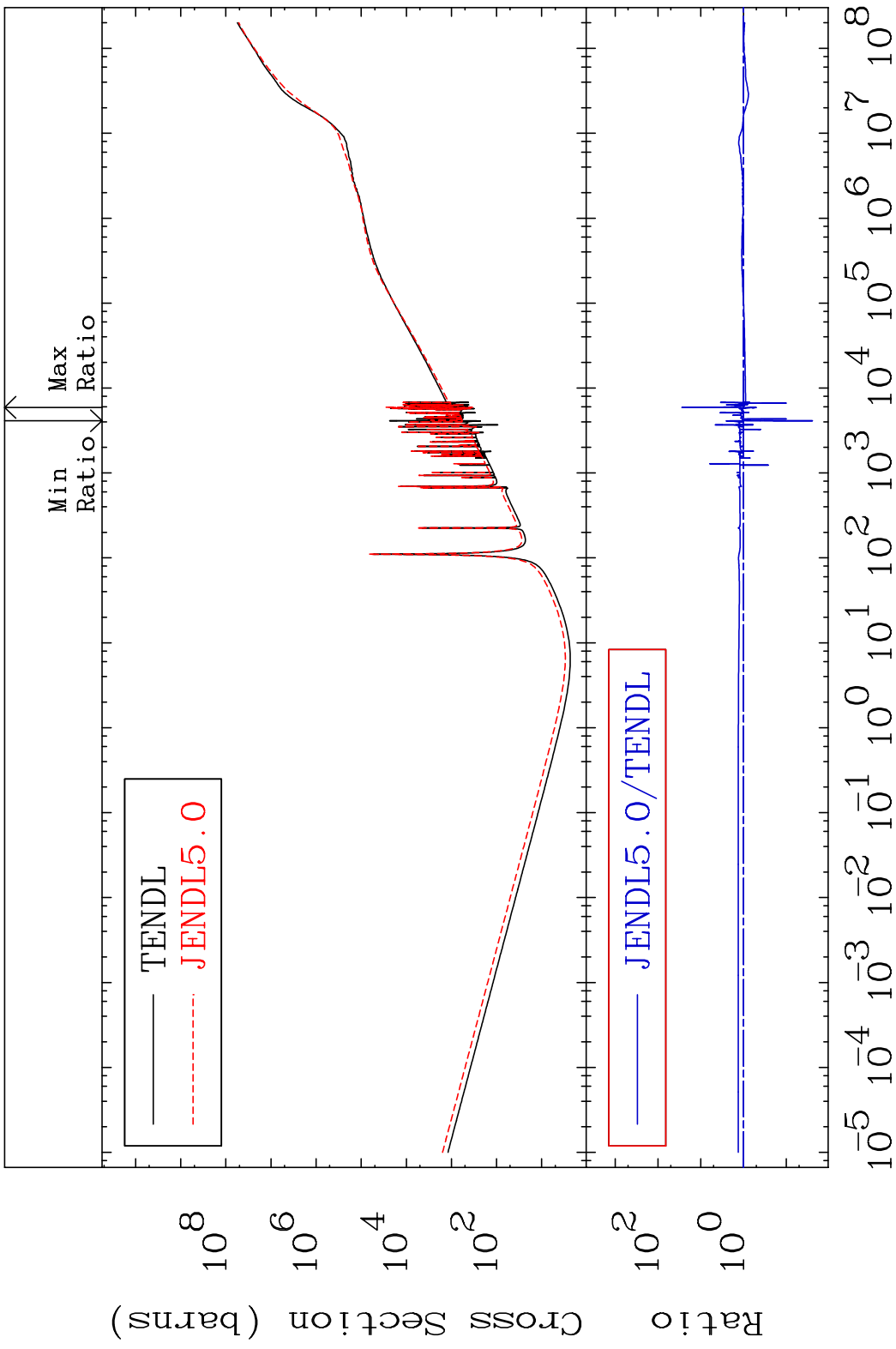
58 Incident Energy (eV) 40-Zr-93

MAT 4034 Total photon (eV-barns) 40-Zr-93
Cross Section -99.99 To 9999. %

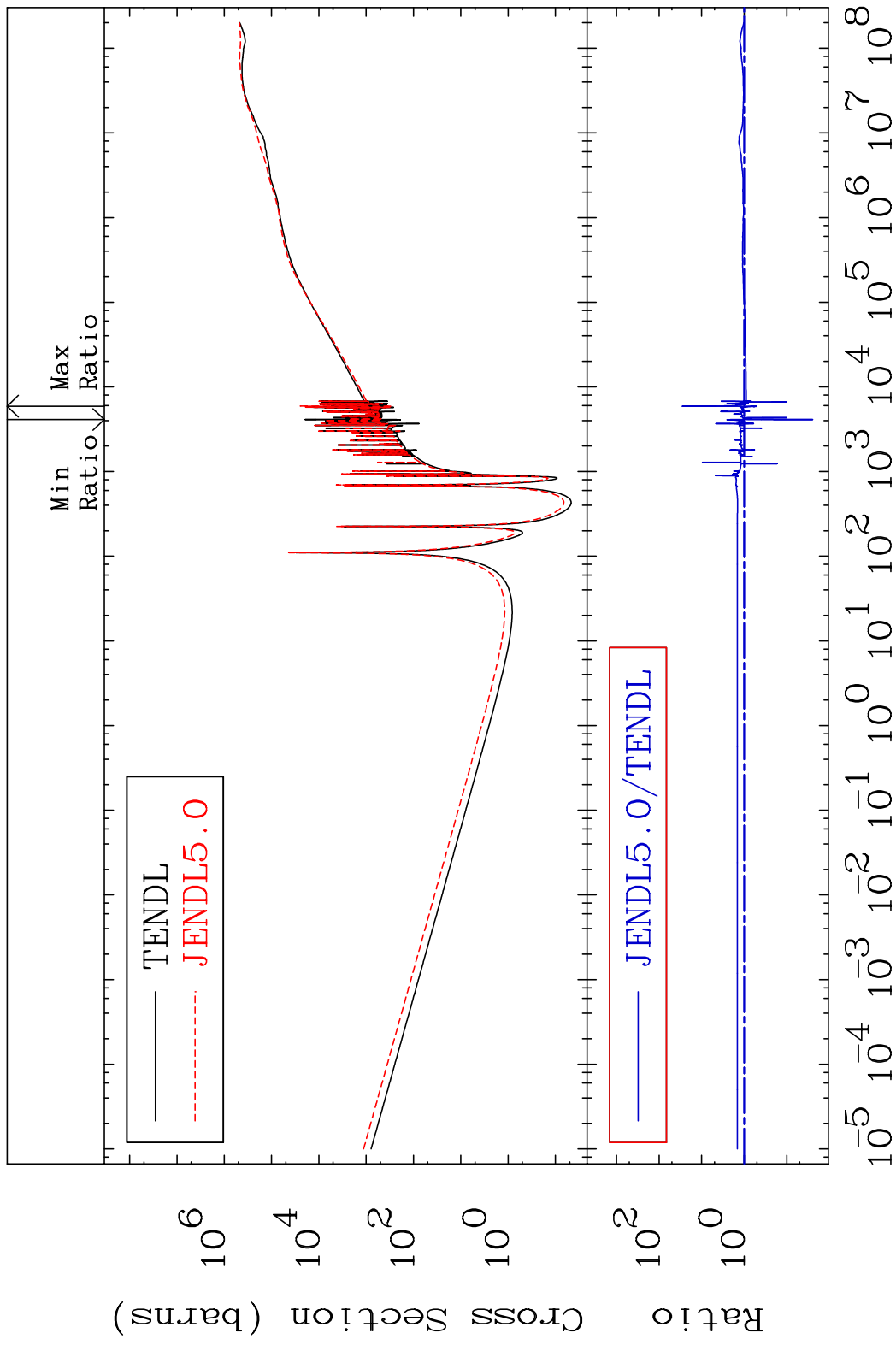


59 Incident Energy (eV) 40-Zr-93

MAT 4034 Total kinematic kerma (high limit) 40-Zr-93
Cross Section -97.55 To 2673. %



MAT 4034 Dpa total (eV-barns) 40-Zr-93
 Cross Section -97.53 To 2736. %



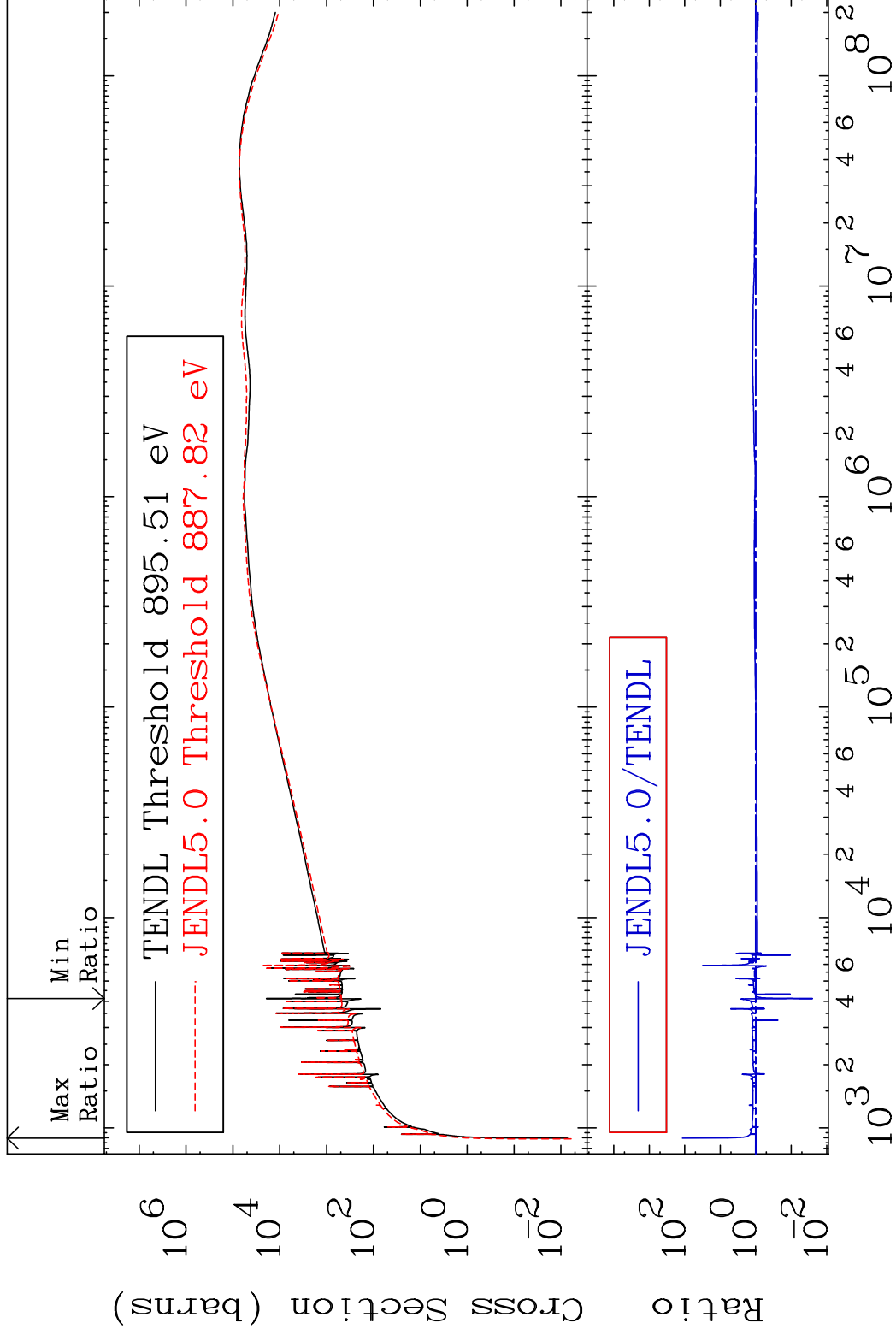
61 Incident Energy (eV) 40-Zr-93

MAT 4034

Dpa elastic (mt2)

40-Zr-93

Cross Section -97.51 To 9999. %

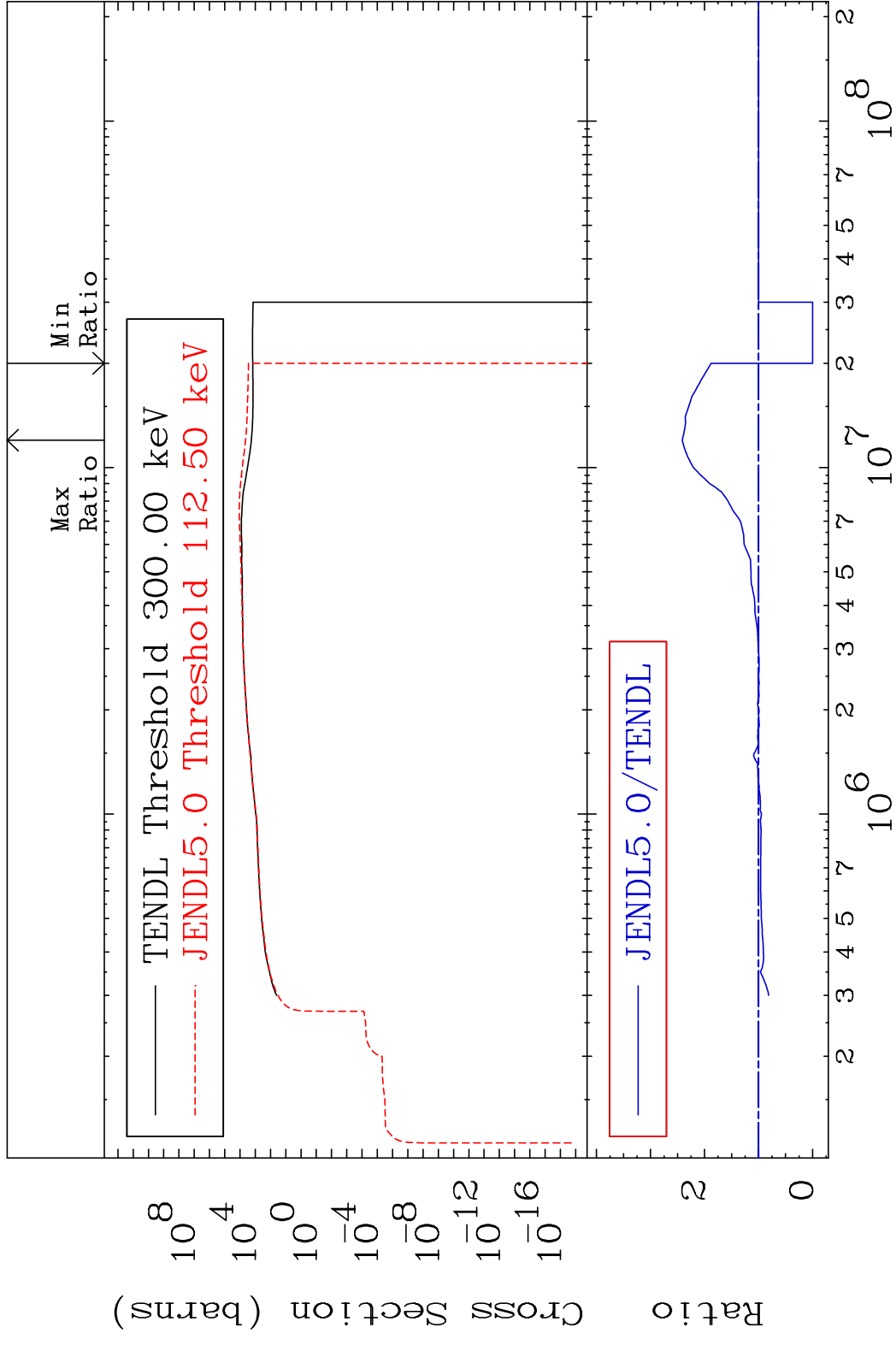


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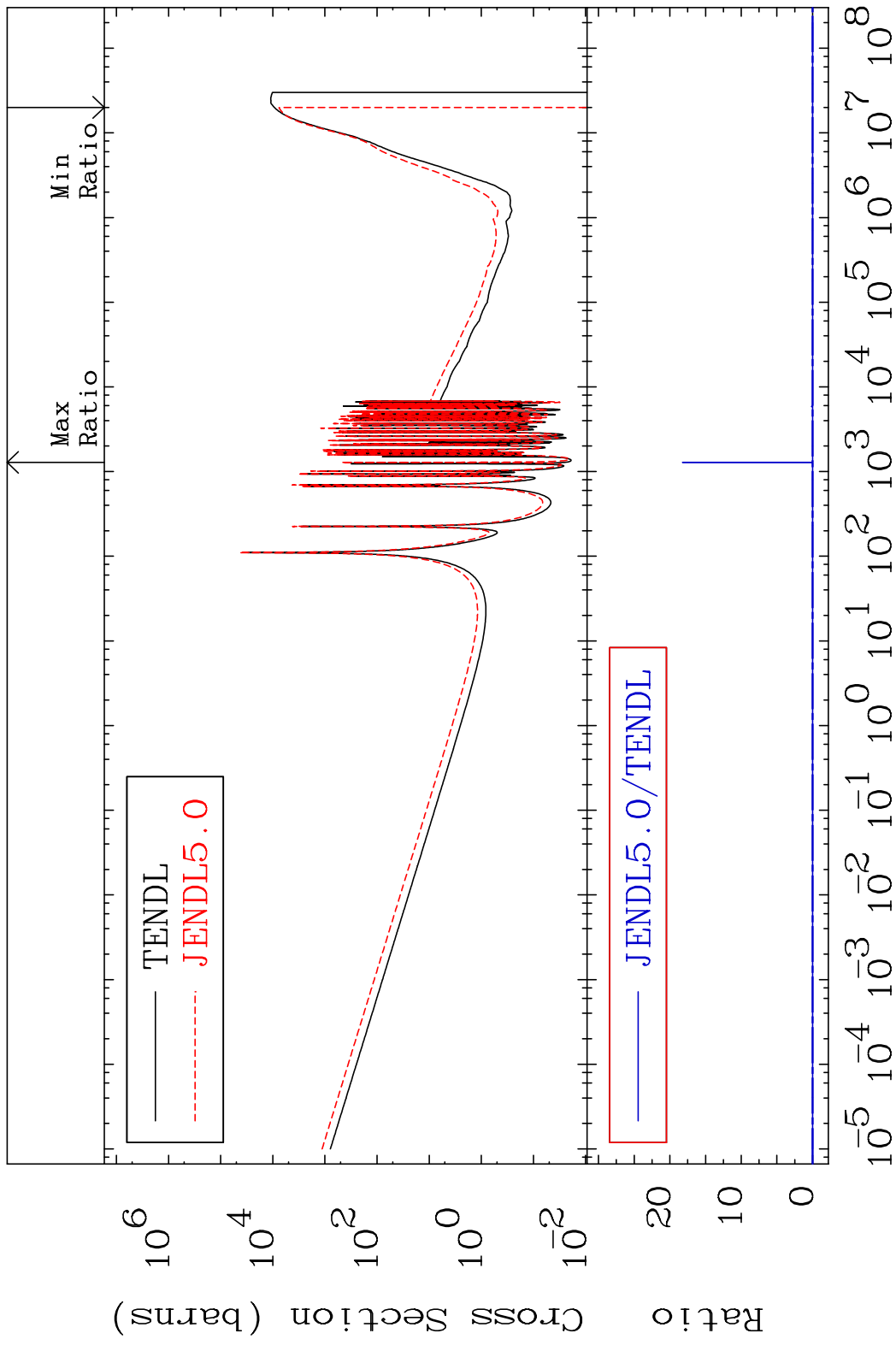
Incident Energy (eV)

40-Zr-93

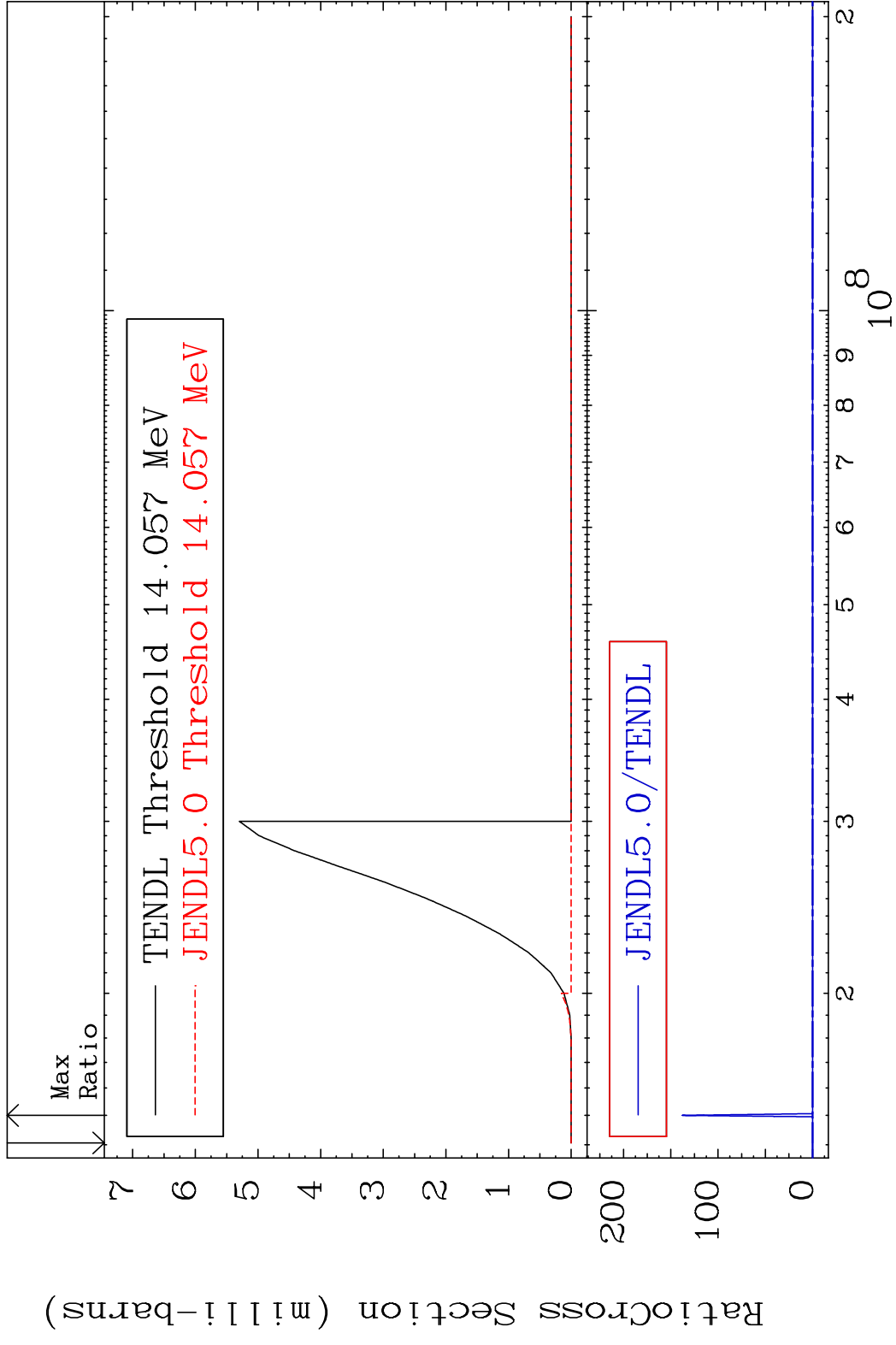
MAT 4034 Dpa inelastic (mt51-91) 40-Zr-93
 Cross Section -100.0 To 141.1 %



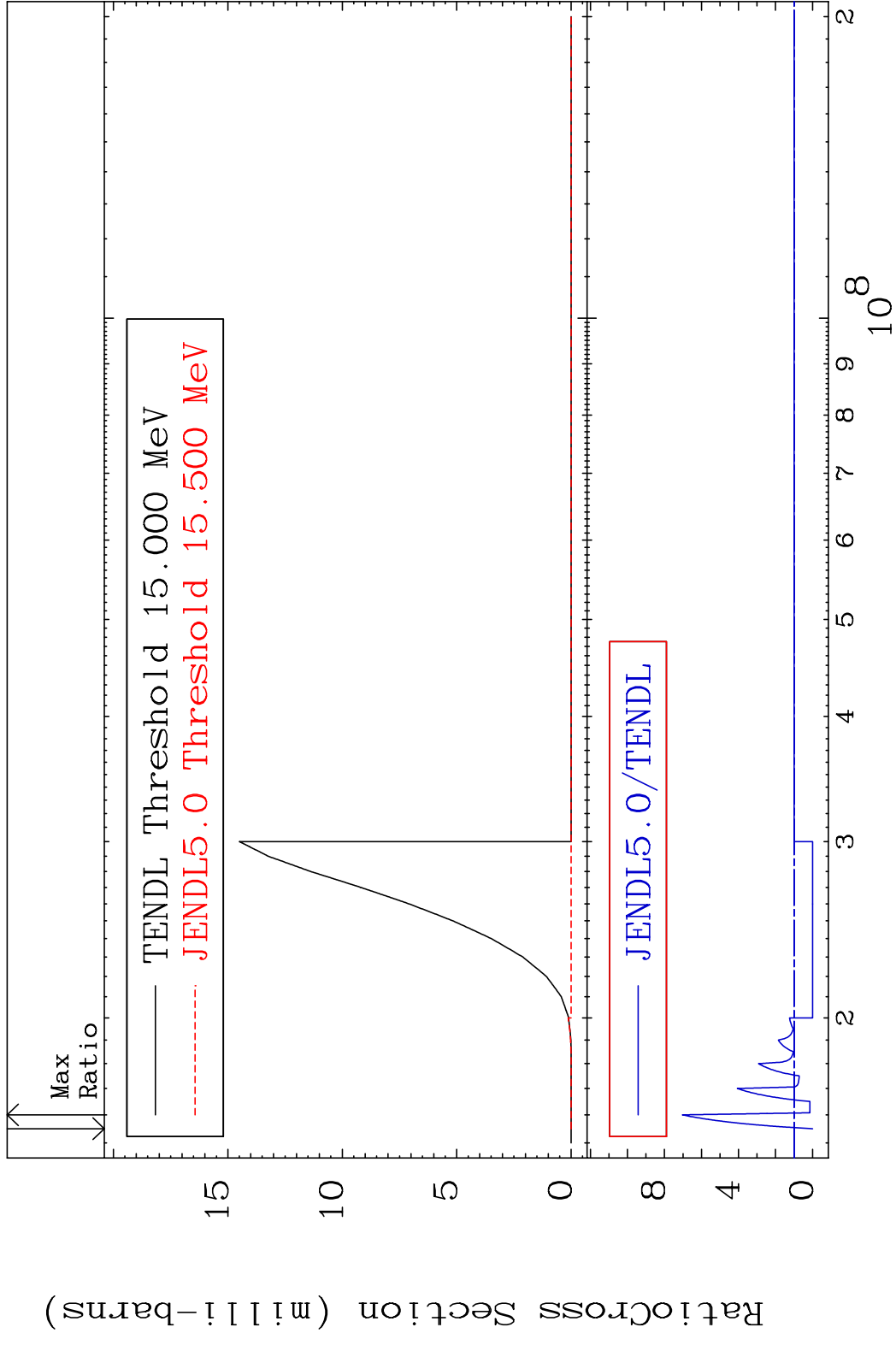
MAT 4034 Dpa disappearance (mt102 -120) 40-Zr-93
 Cross Section -100.0 To 9999. %



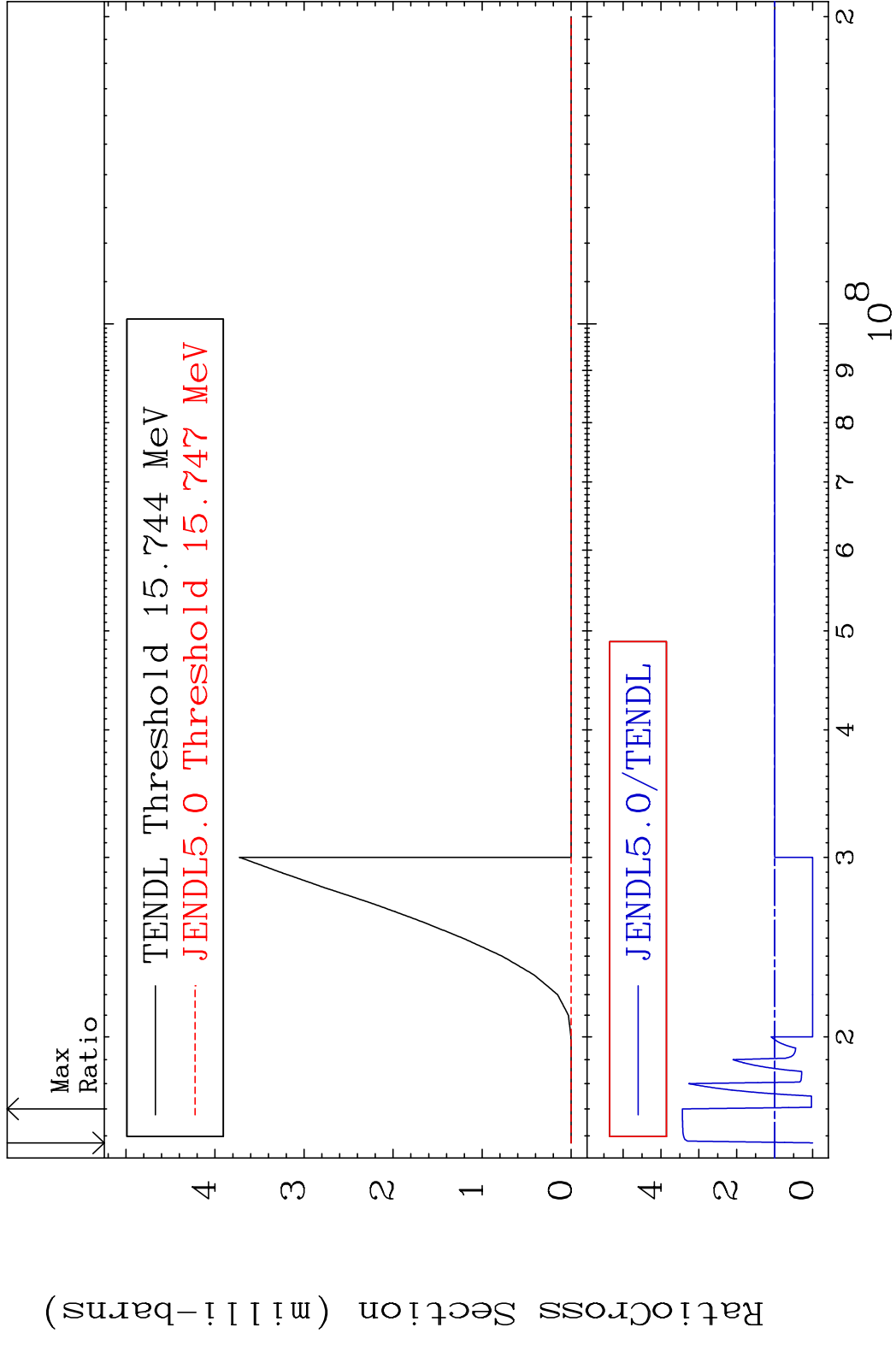
MAT 4034 (n, n') d:39-Y -91g 40-Zr-93
 Radionuclide Production Cross Section Ratio 9999. %



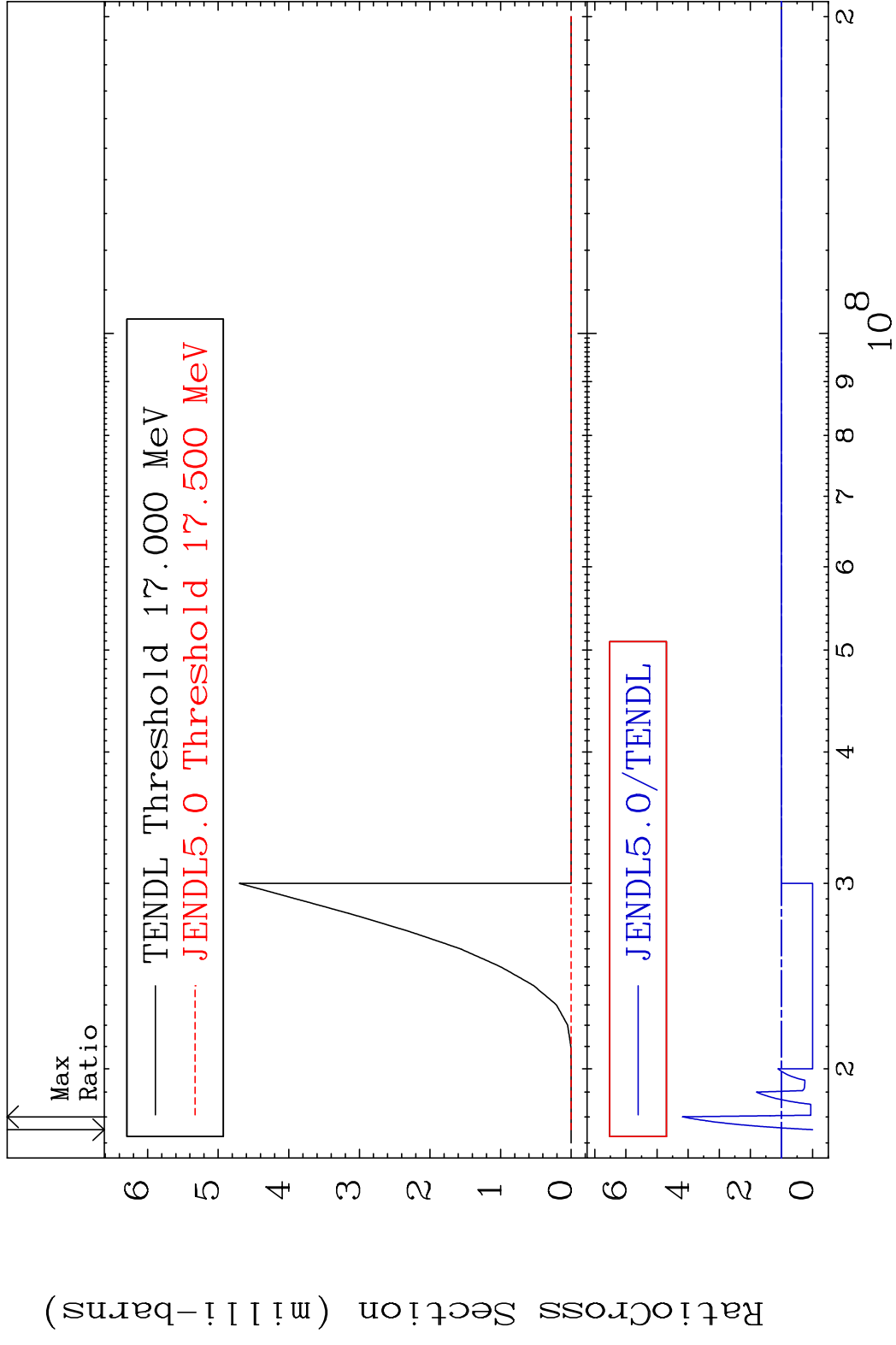
MAT 4034 (n, n') d:39-Y -91m1 40-Zr-93
 Radionuclide Production Cross Section Ratio 603.4 %



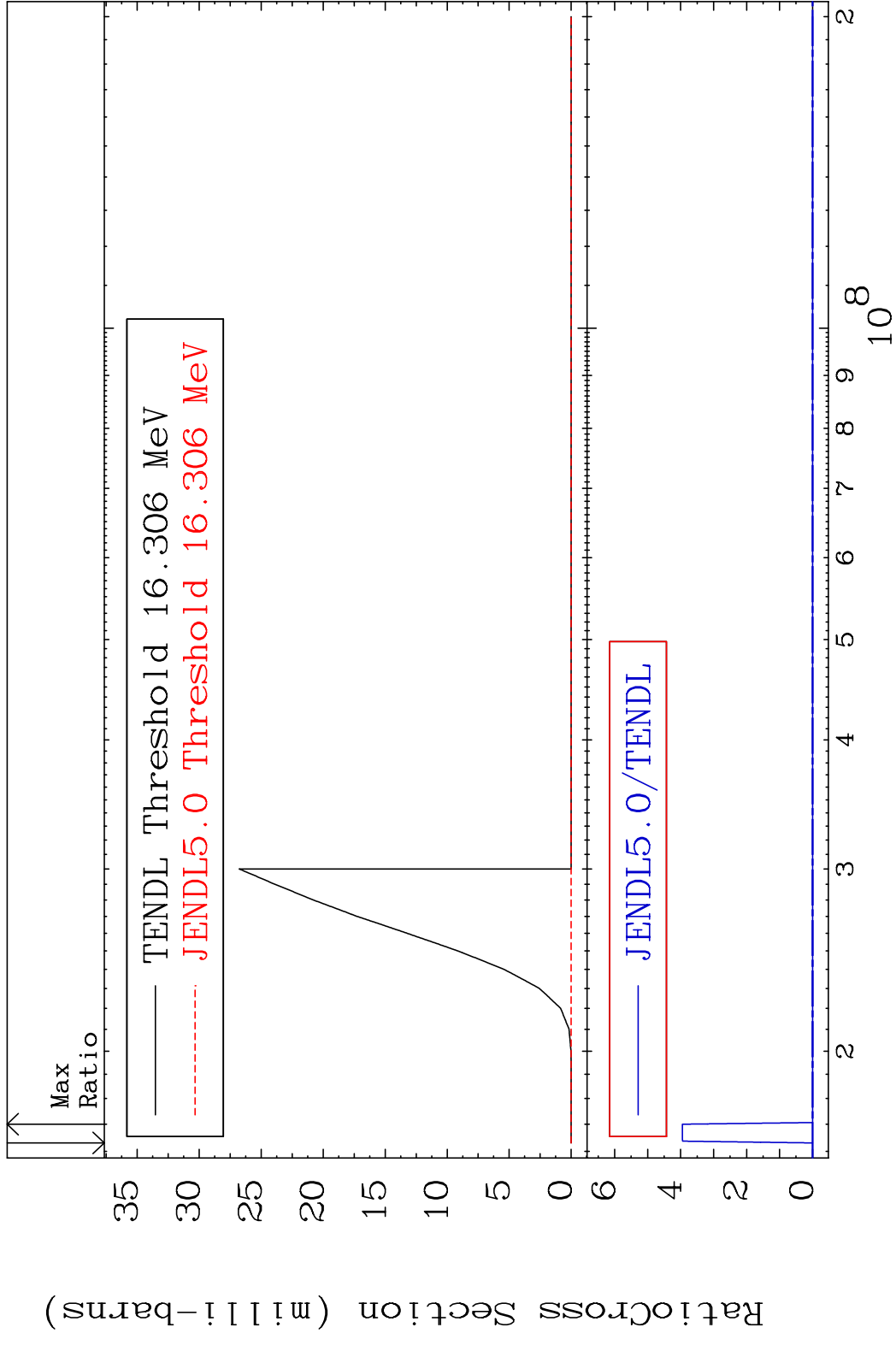
MAT 4034 (n, n') t:39-Y -90g 40-Zr-93
 Radionuclide Production Cross Section 180.0 mb 243.4 %



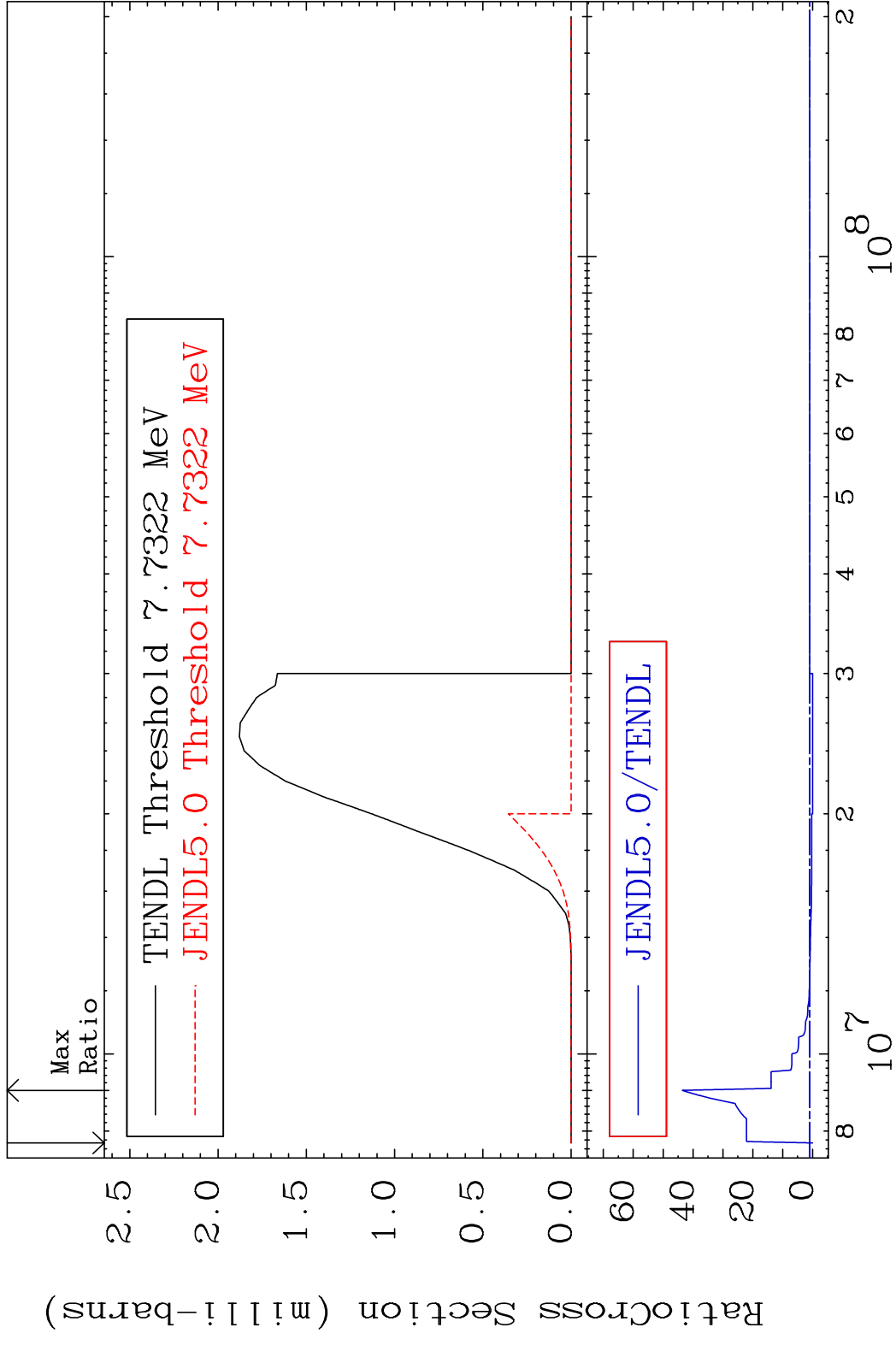
MAT 4034 (n, n') t:39-Y -90m2 40-Zr-93
 Radionuclide Production Cross Section 180.0 dth 318.6 %



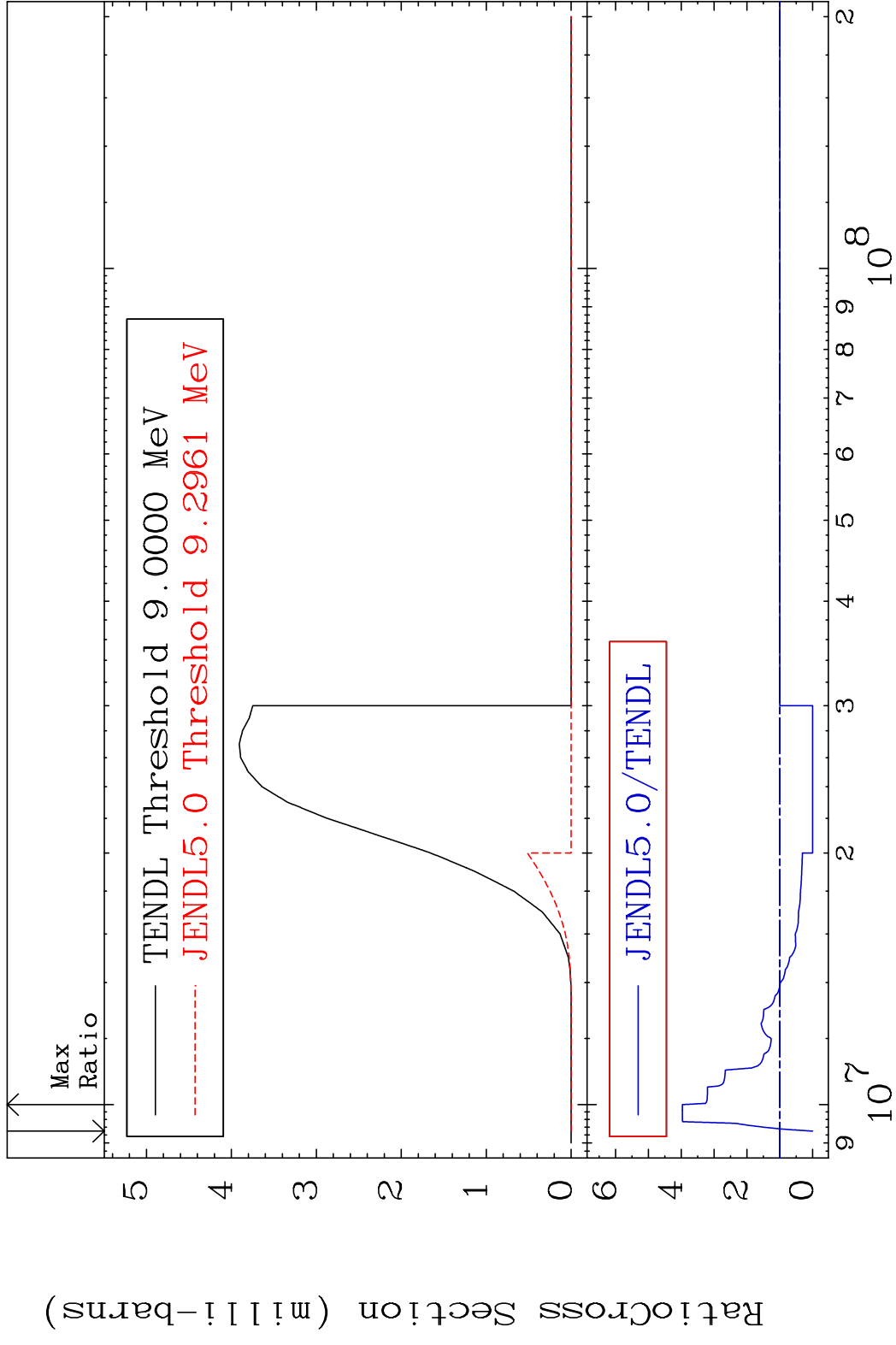
MAT 4034 (n,2n) p:39-Y -91g 40-Zr-93
 Radionuclide Production Cross Section Ratio 9999. %



MAT 4034 (n, t):39-Y -91g 40-Zr-93
 Radionuclide Production Cross Section 180.0 mb 4256. %



MAT 4034 (n,t):39-Y -91m1 40-Zr-93
 Radionuclide Production Cross Section Ratio 296.8 %



72 40-Zr-93