

Program Complot
(Version 2021-1)

by

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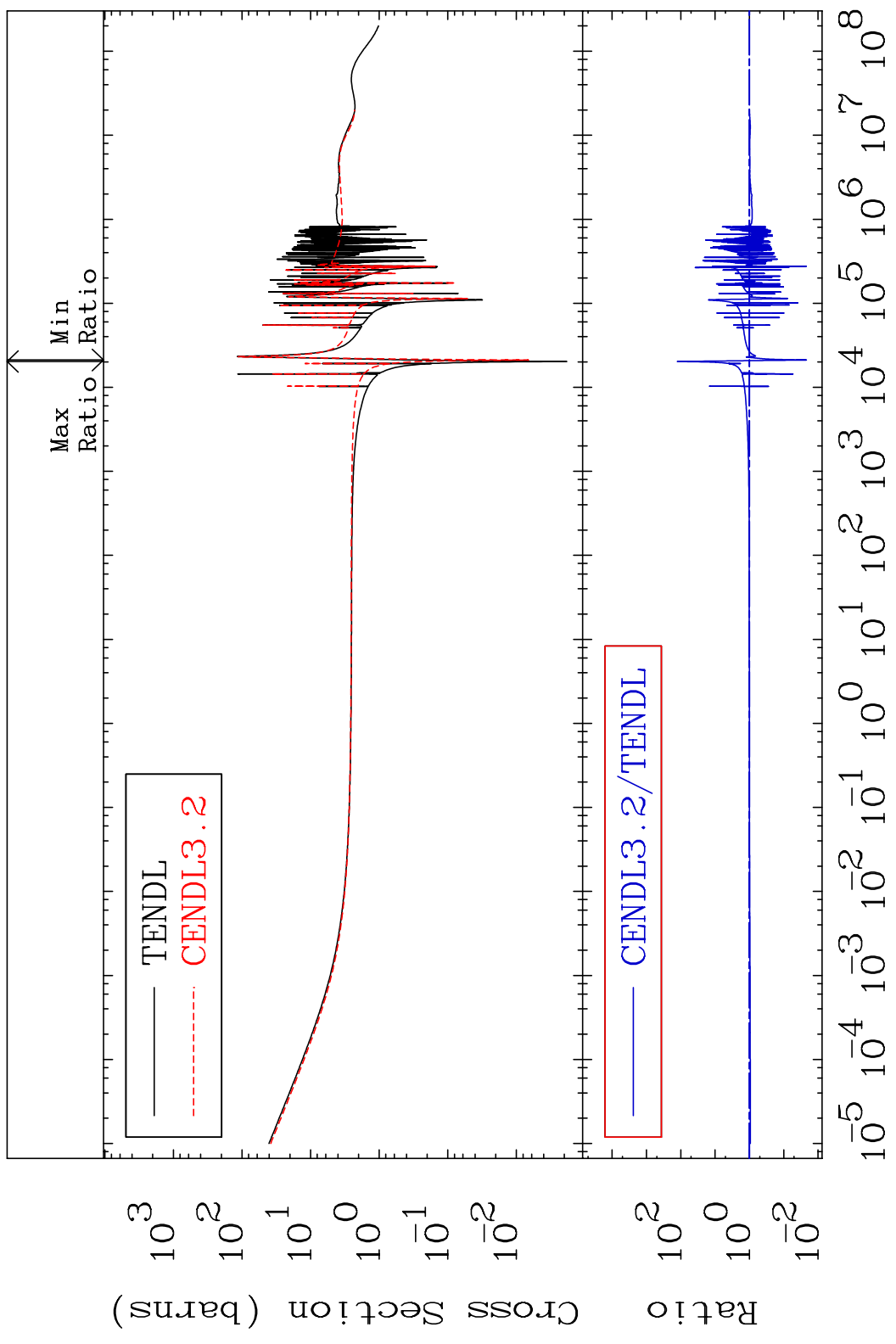
Press Mouse Button to Start

MAT 2437

Total

24-Cr-54

Cross Section -97.81 To 9999. %



1

Incident Energy (eV)

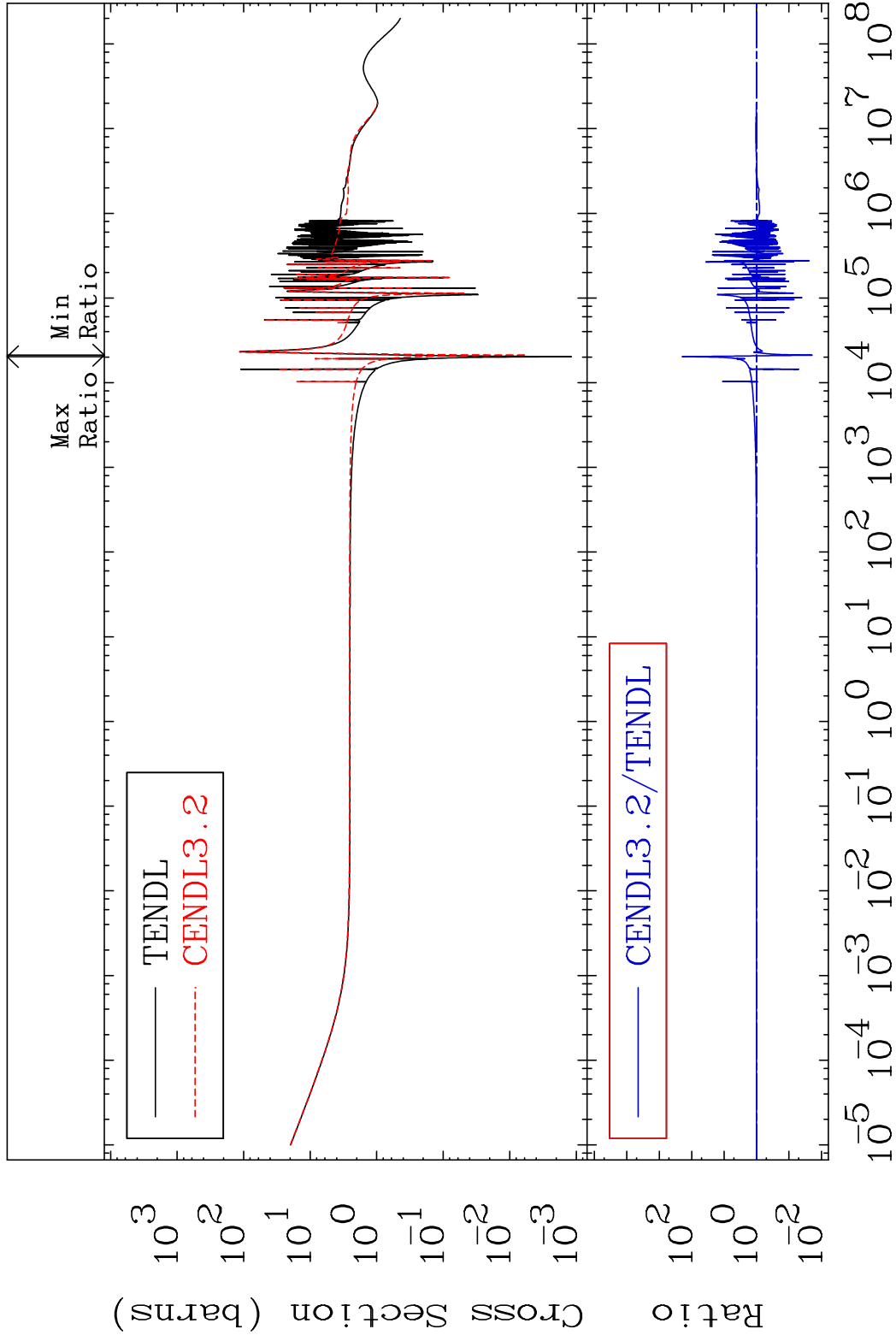
24-Cr-54

MAT 2437

Elastic

²⁴Cr-54

Cross Section -98.13 To 9999. %

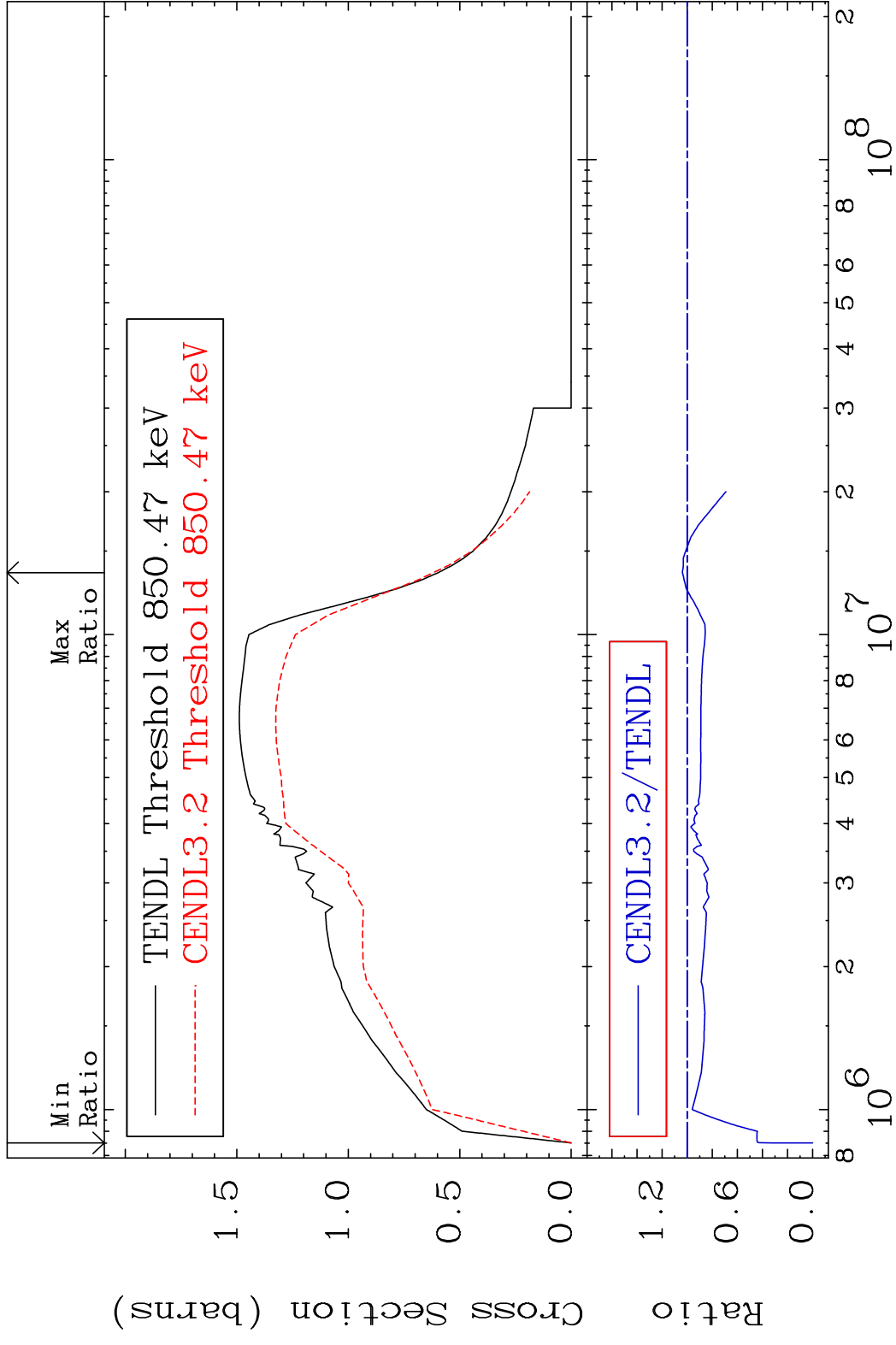


2

Incident Energy (eV)

²⁴Cr-54

MAT 2437 Inelastic 24-Cr-54
 Cross Section -100.0 To 3.787 %



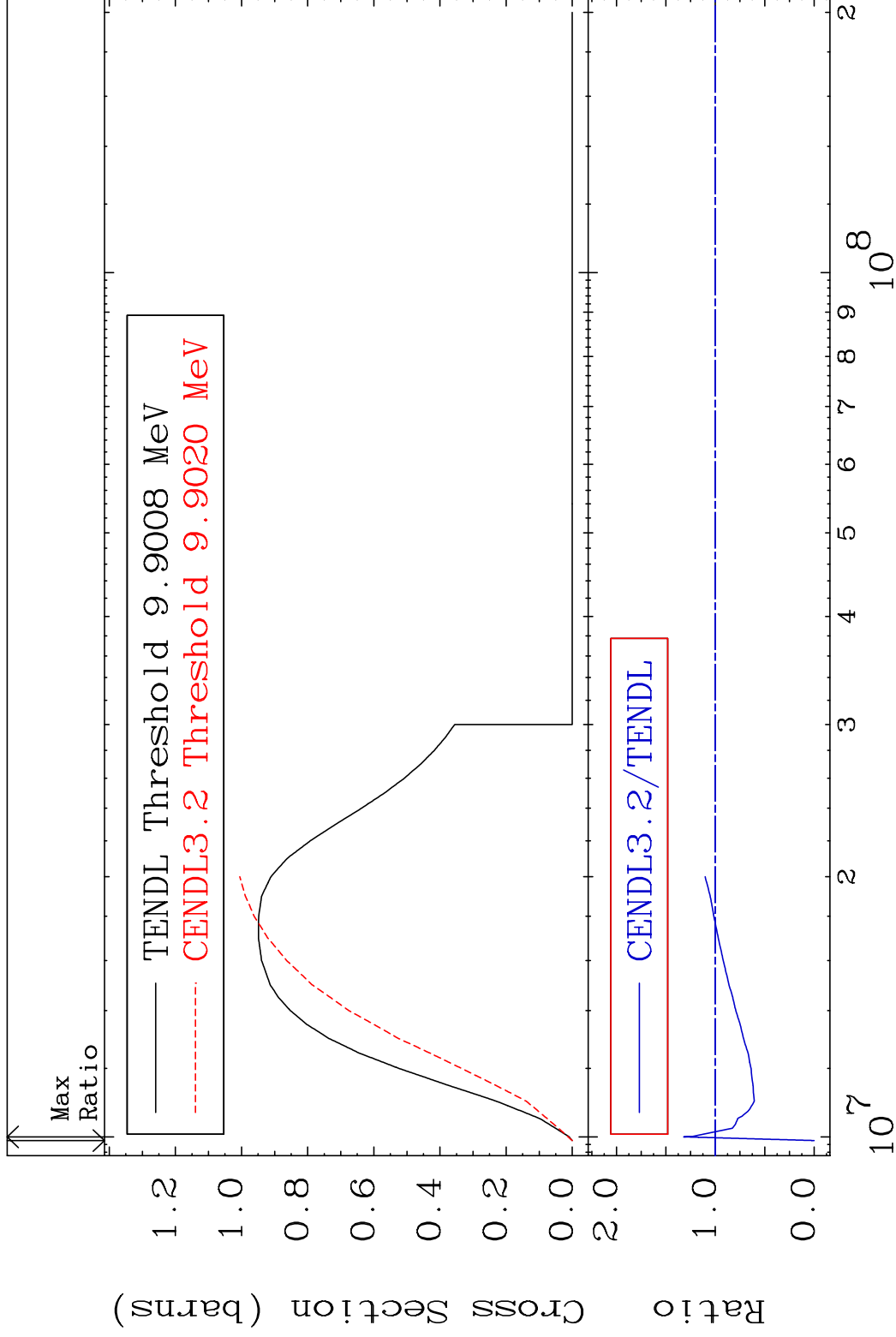
3 Incident Energy (eV) 24-Cr-54

MAT 2437

(n,2n)

²⁴Cr-54

Cross Section -100.0 To 32.01 %



Incident Energy (eV)

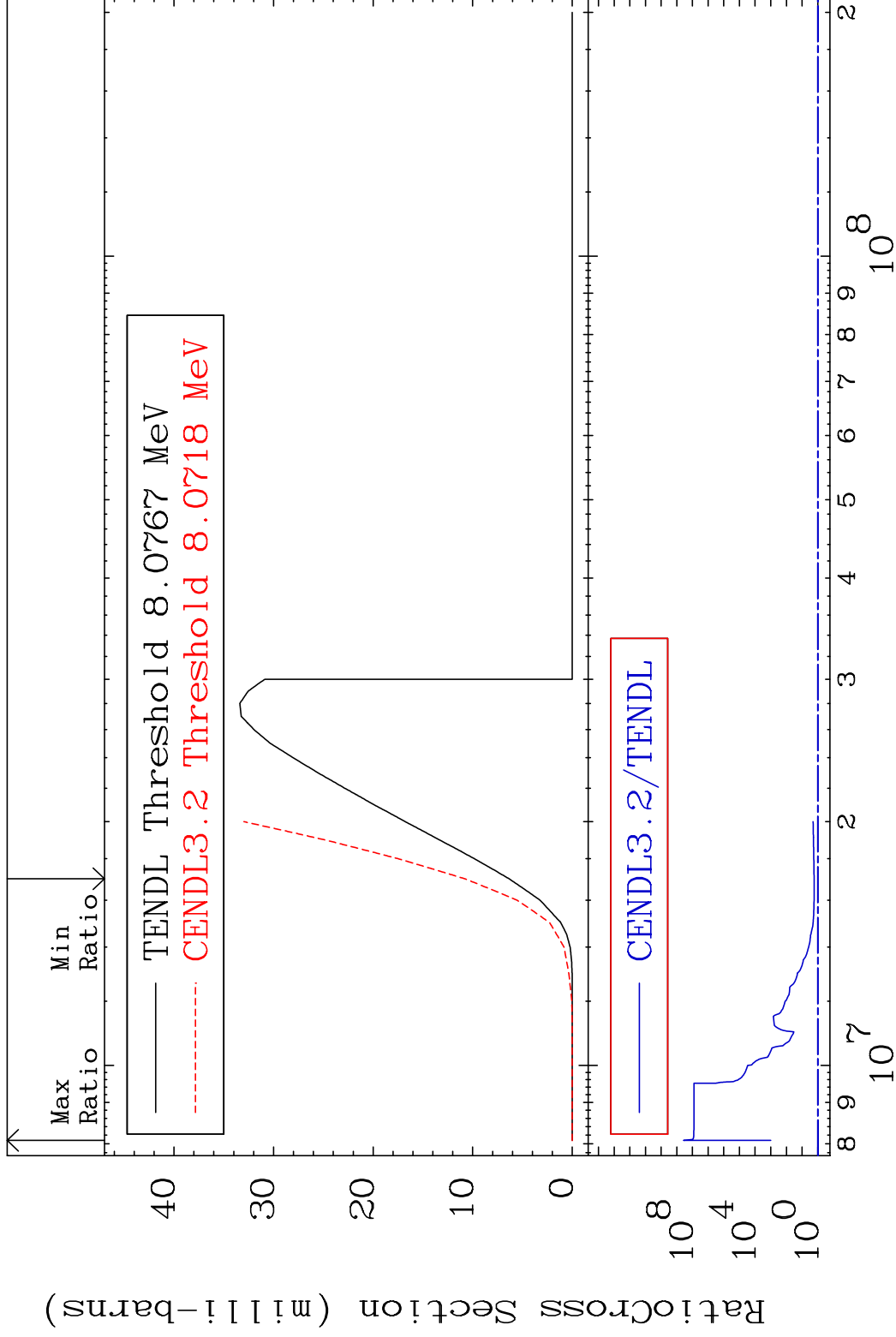
²⁴Cr-54

MAT 2437

(n, n') α

24-Cr-54

Cross Section 70.06 To 9999. %



5

Incident Energy (eV)

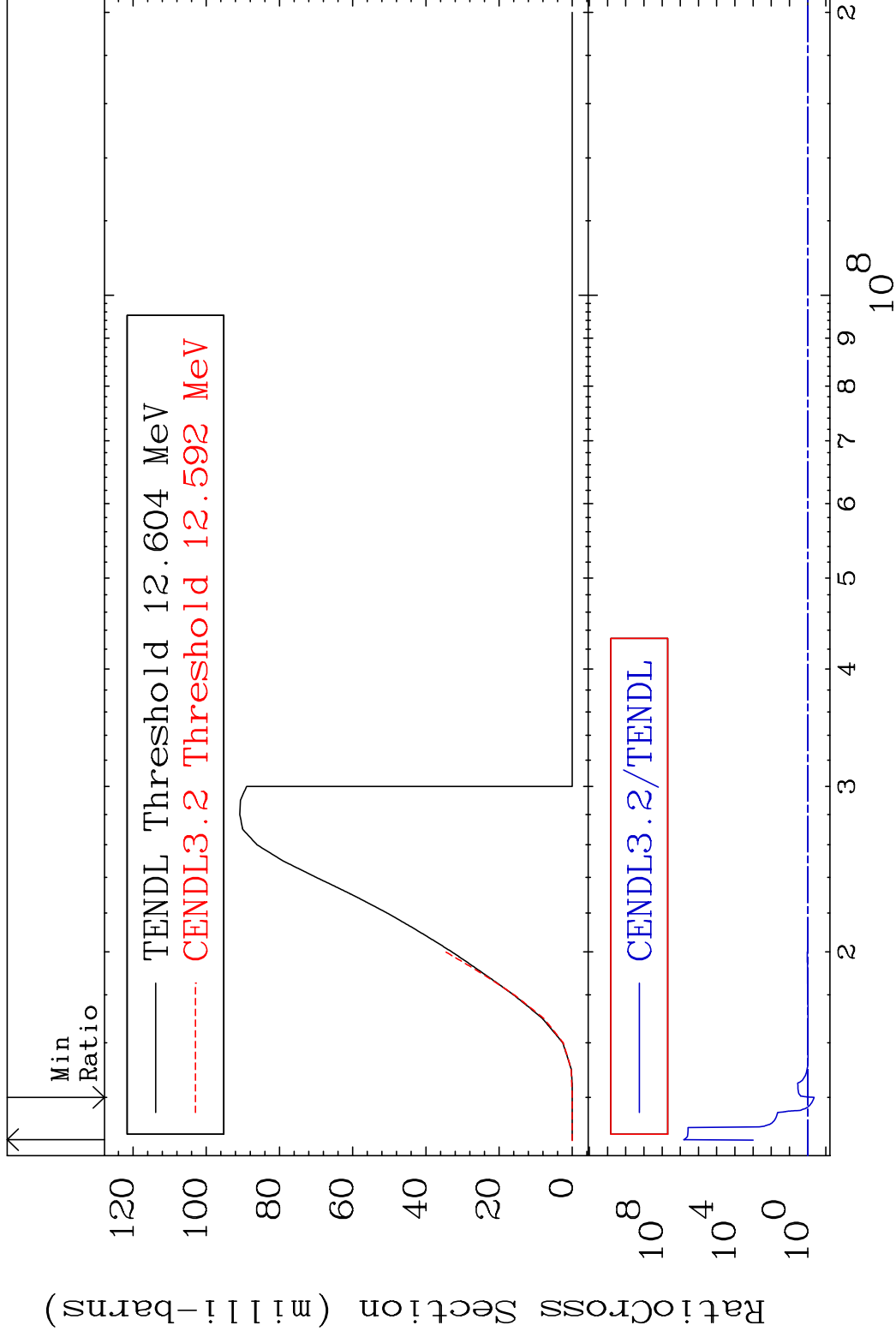
24-Cr-54

MAT 2437

(n, n') p

²⁴Cr-54

Cross Section -55.50 To 9999. %

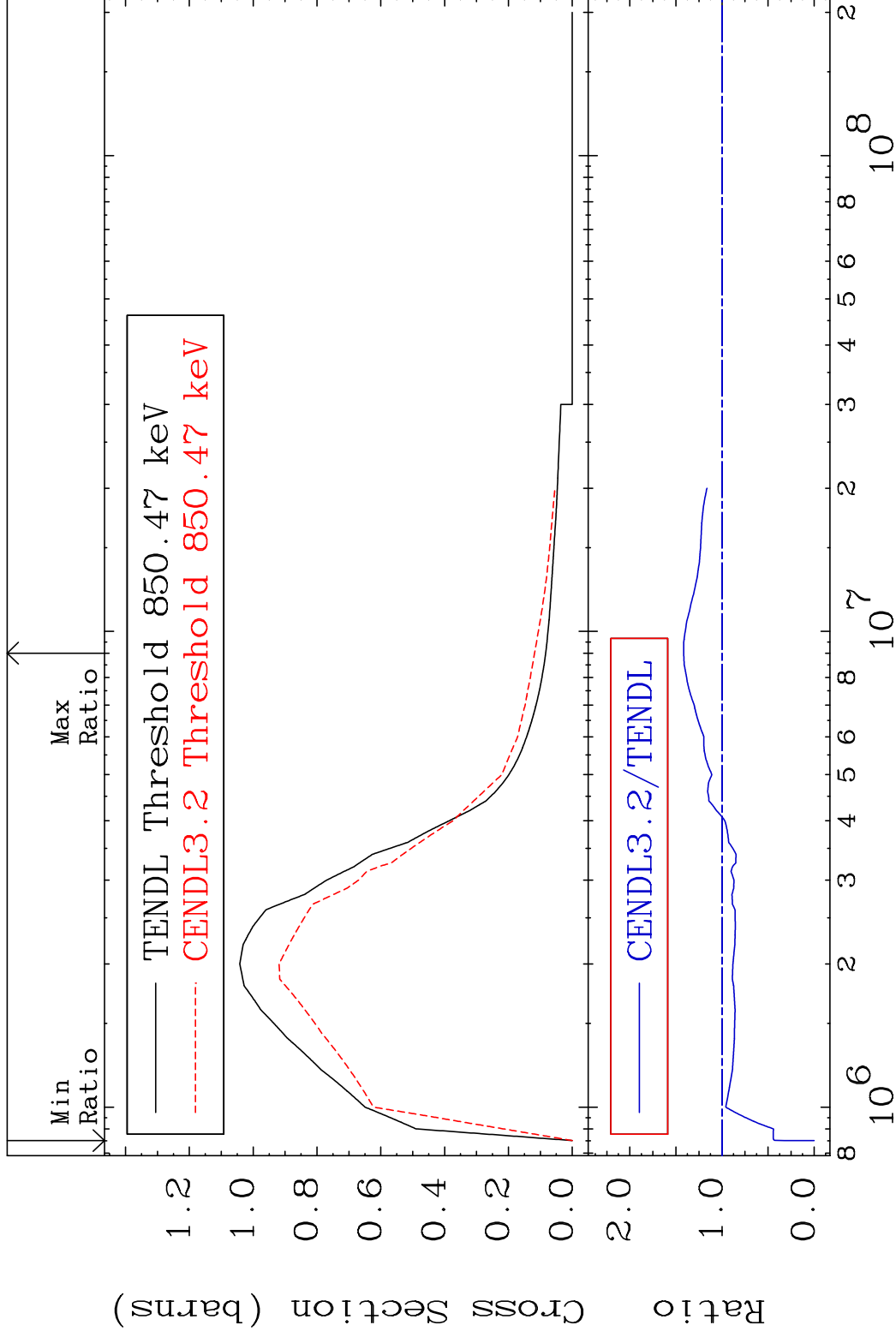


MAT 2437

MT= 51 (n, n') Level

²⁴Cr-54

Cross Section -100.0 To 41.61 %

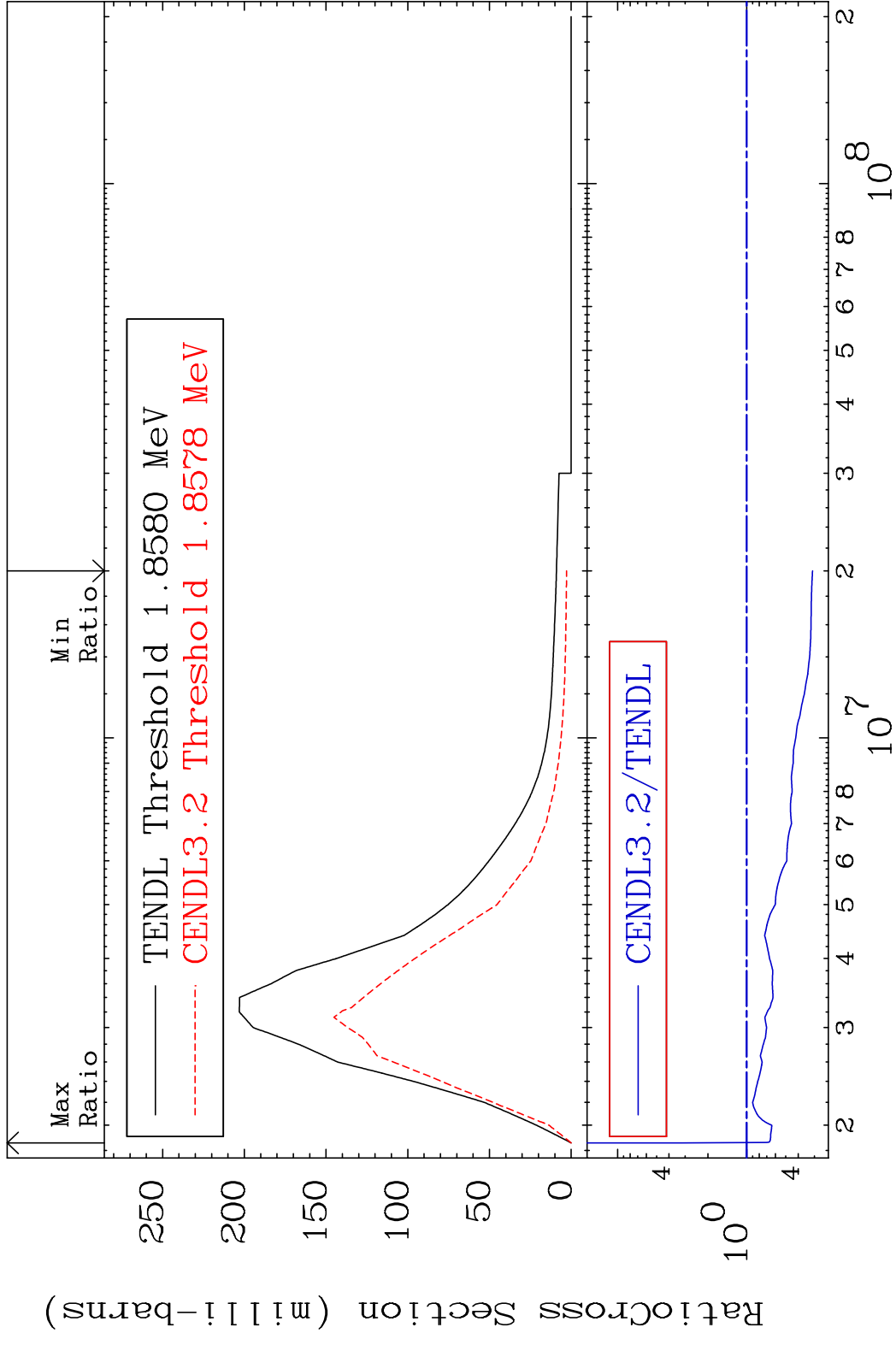


7

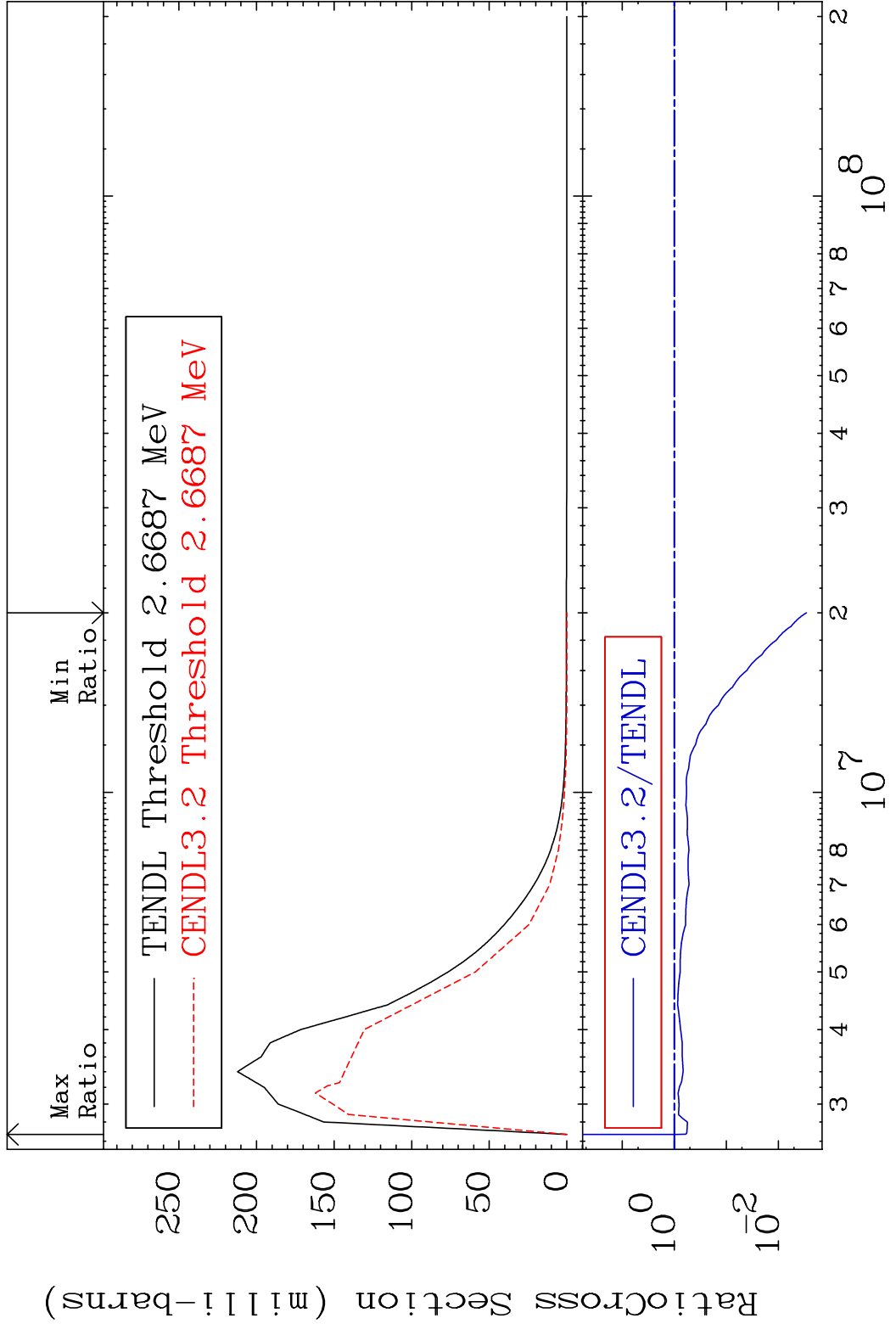
Incident Energy (eV)

²⁴Cr-54

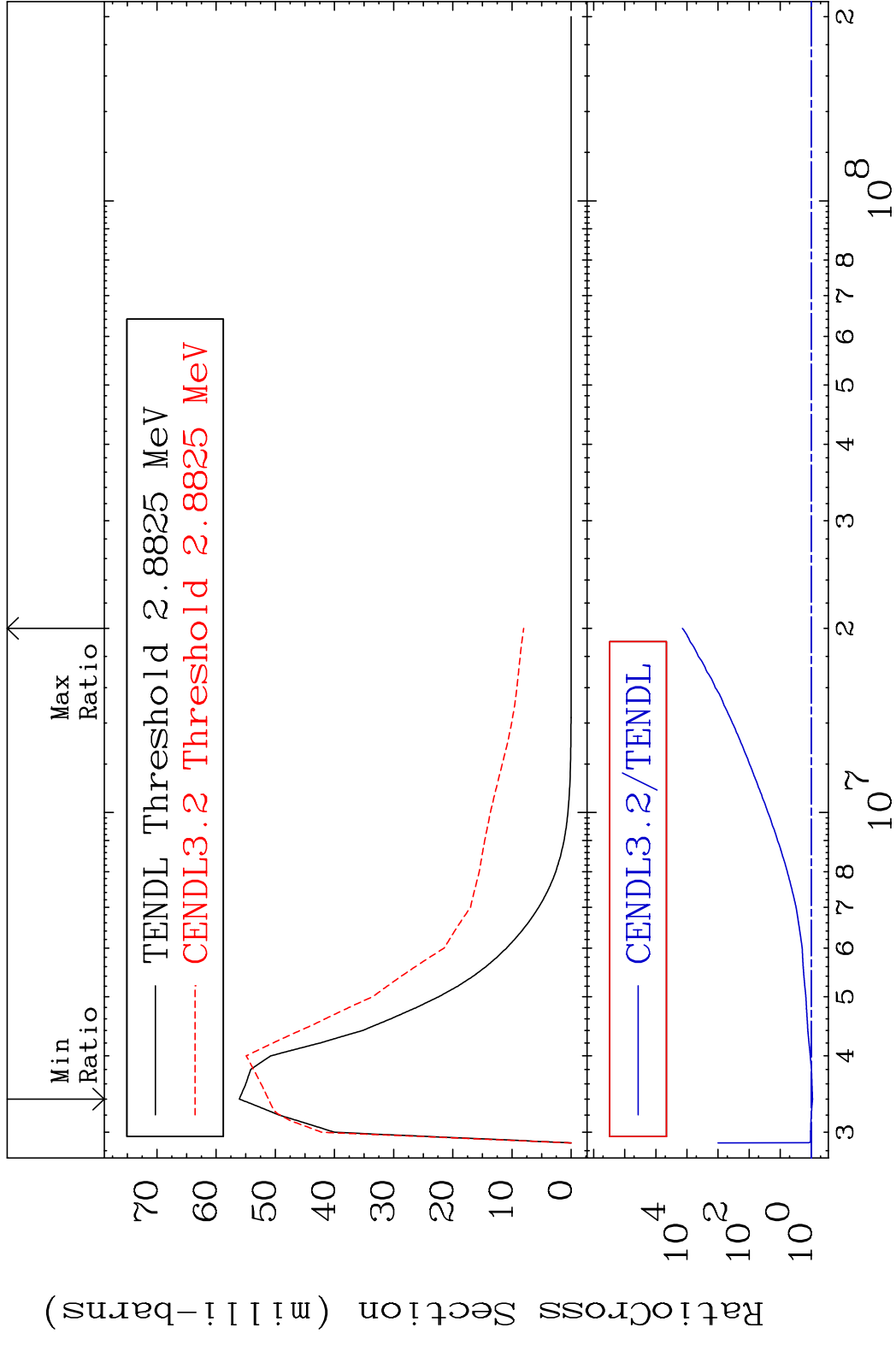
MAT 2437 MT= 52 (n, n') Level 24-Cr-54
 Cross Section -69.04 To 215.5 %



MAT 2437 MT= 53 (n, n') Level 24-Cr-54
 Cross Section -99.71 To -11.87%

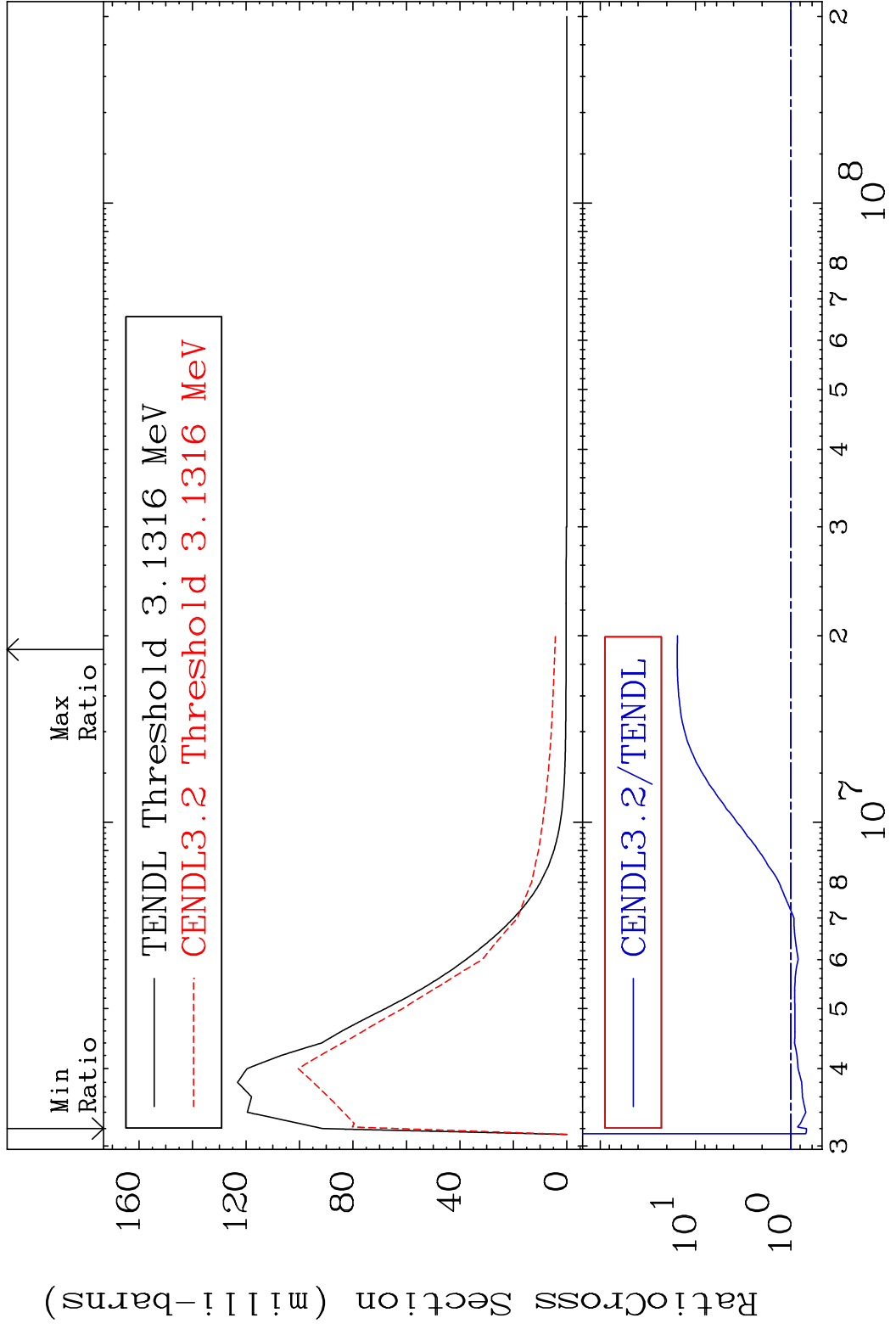


MAT 2437 MT= 54 (n, n') Level 24-Cr-54
 Cross Section -8.769 To 9999. %

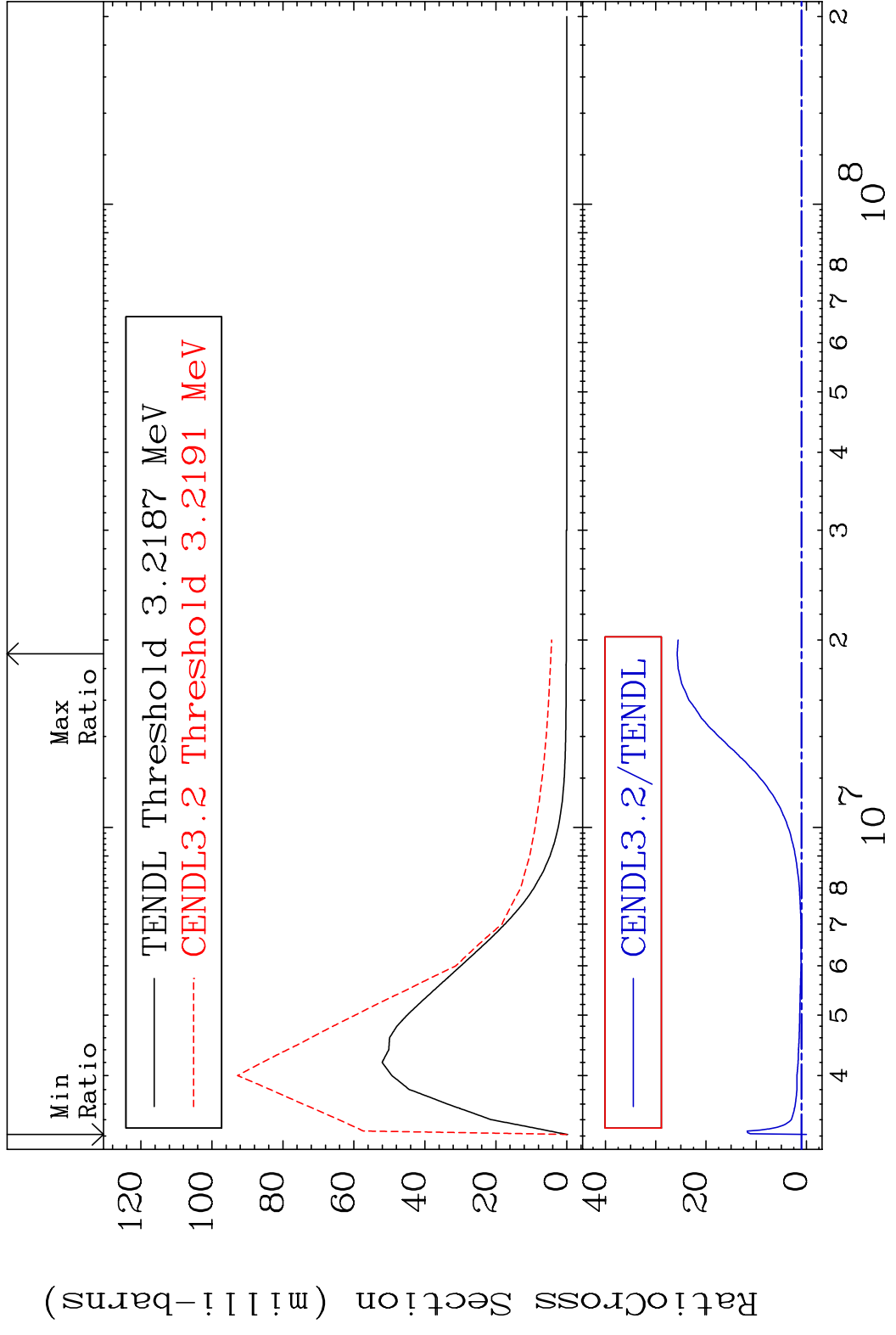


10 Incident Energy (eV) 24-Cr-54

MAT 2437 MT= 55 (n, n') Level 24-Cr-54
 Cross Section -31.27 To 1457. %



MAT 2437 MT= 56 (n, n') Level 24-Cr-54
 Cross Section -100.0 To 2473. %

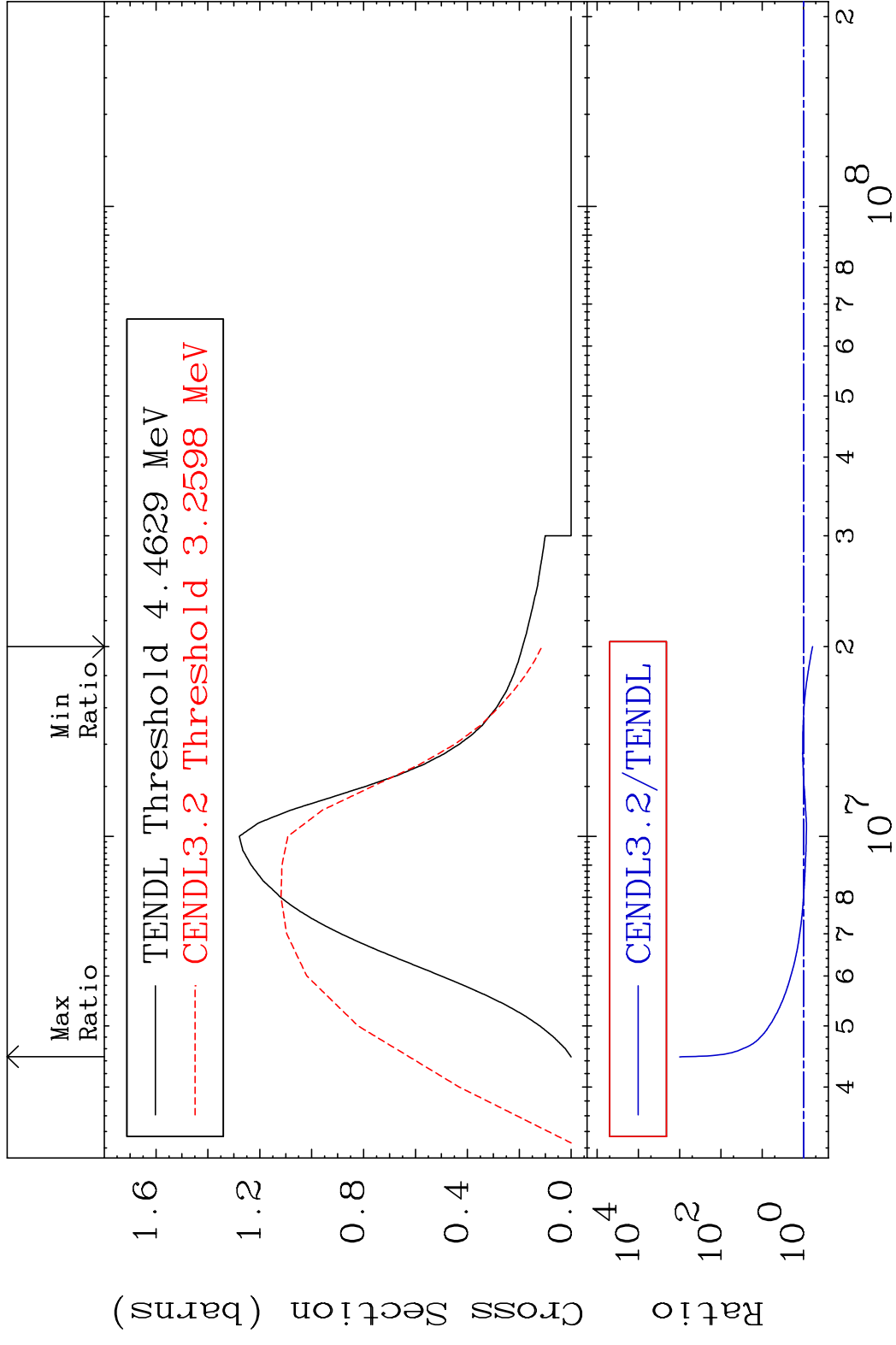


MAT 2437

(n, n') Continuum

24-Cr-54

Cross Section -39.75 To 9999. %

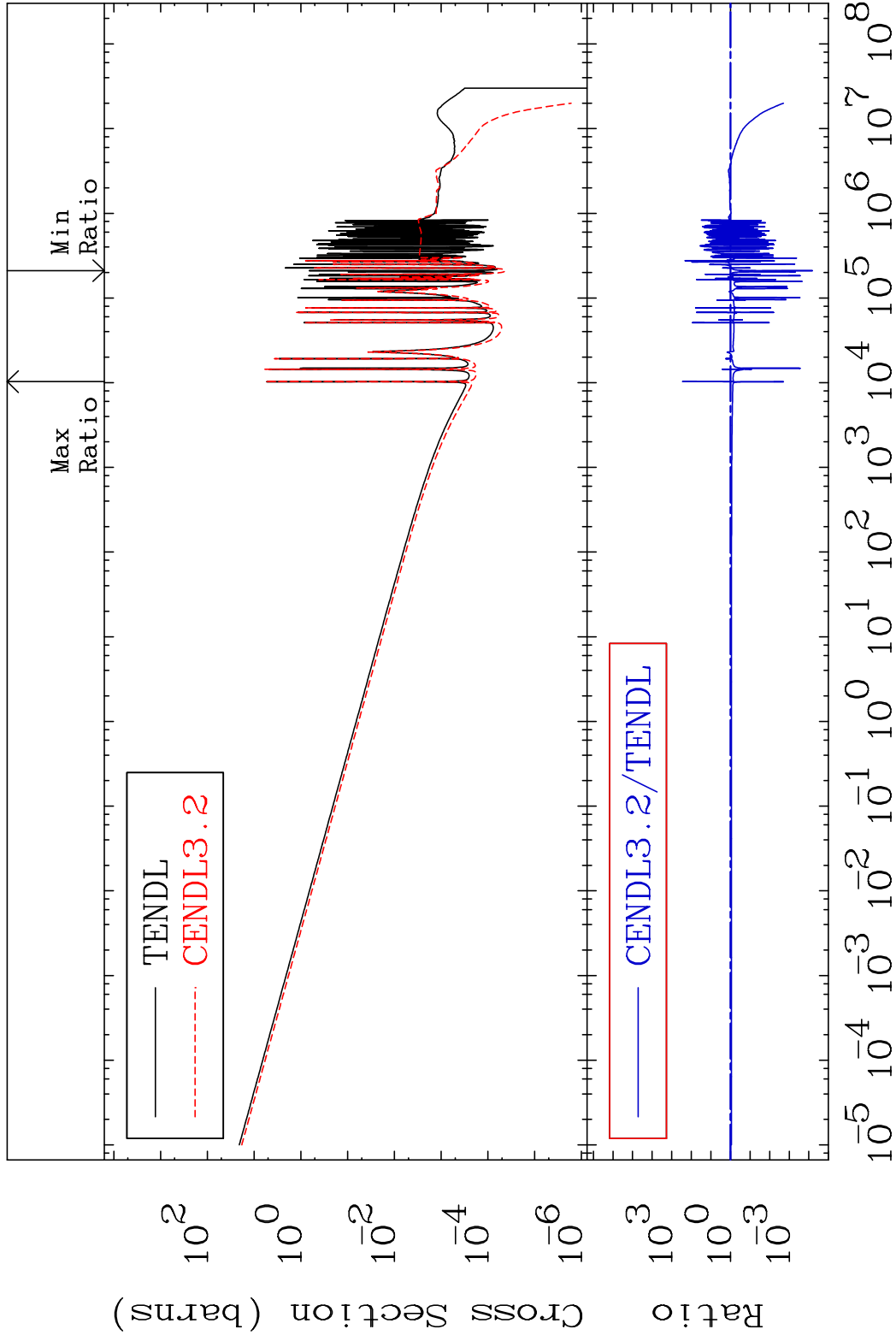


MAT 2437

(n, γ)

24-Cr-54

Cross Section -99.99 To 9999. %

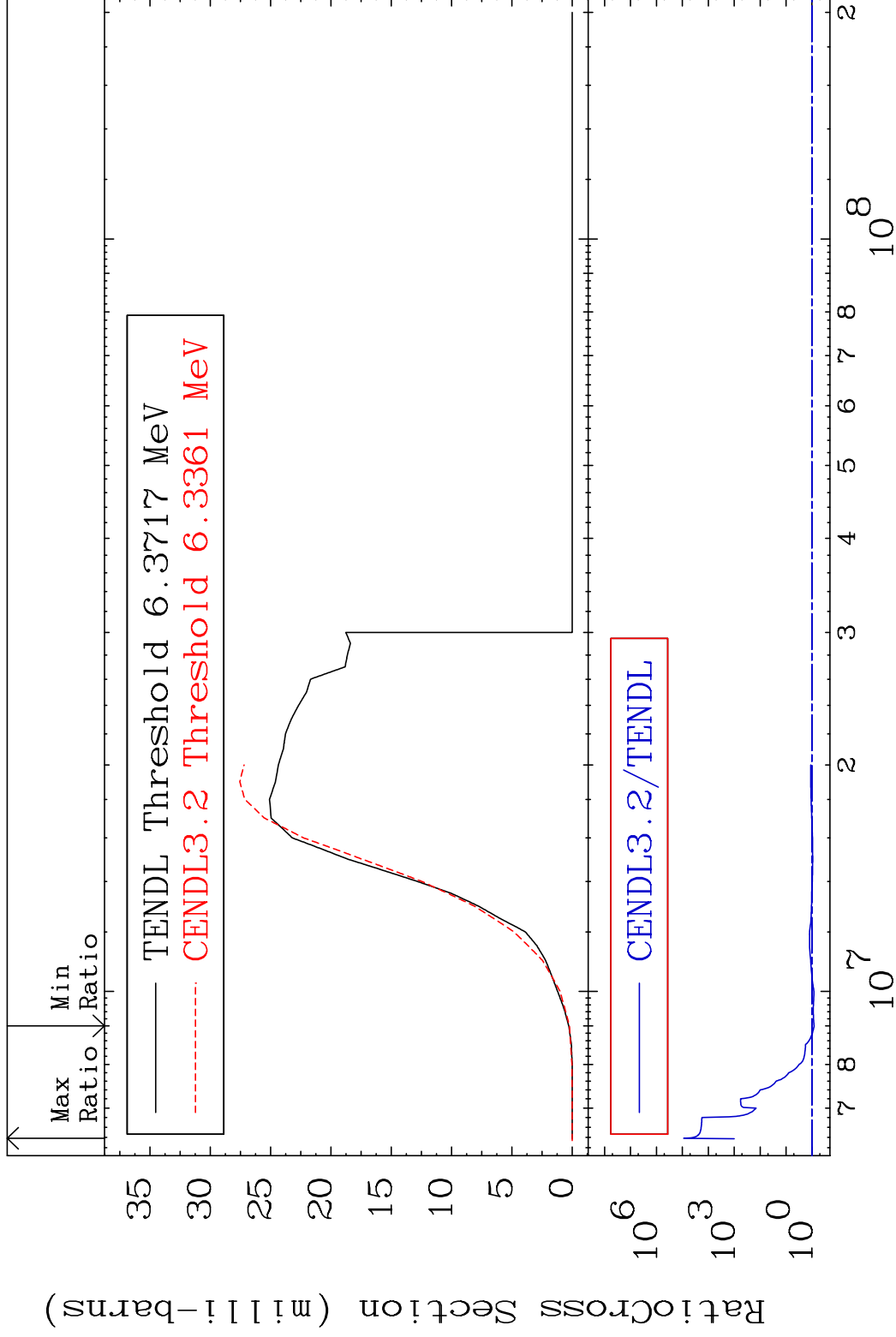


MAT 2437

(n,p)

24-Cr-54

Cross Section -17.19 To 9999. %

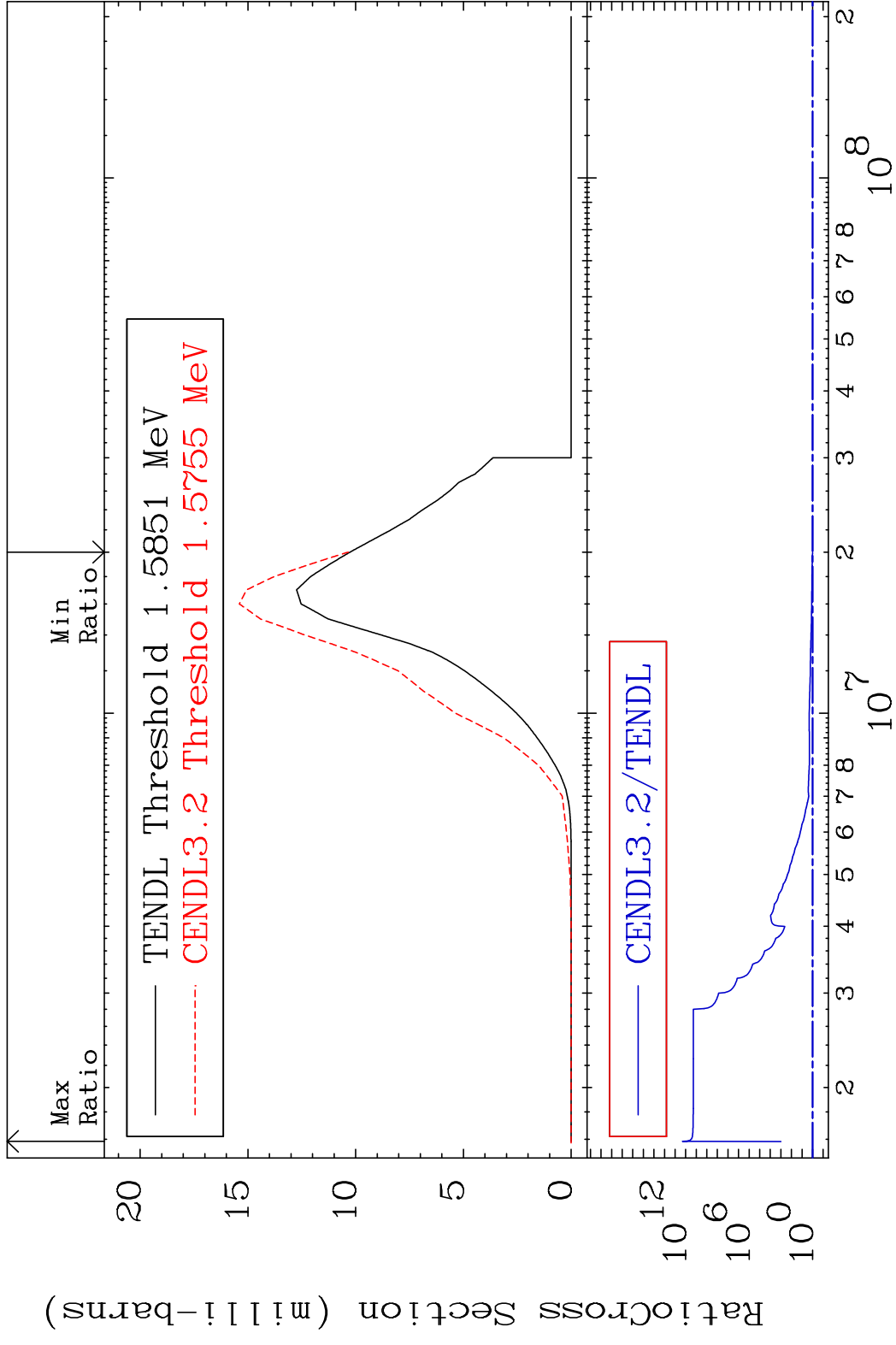


15

Incident Energy (eV)

24-Cr-54

MAT 2437 (n, α) 24-Cr-54
 Cross Section 0.817 To 9999. %

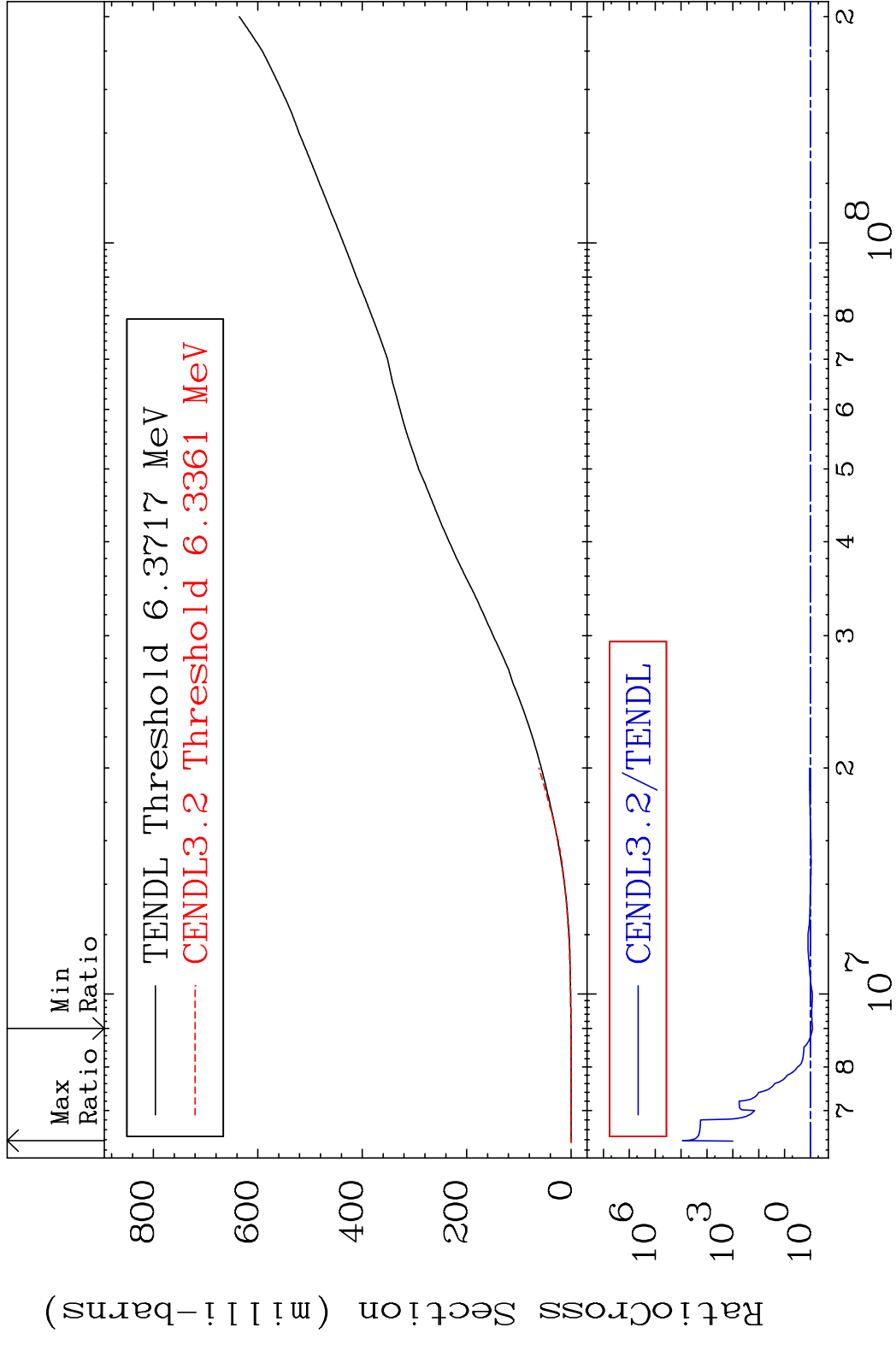


MAT 2437

Hydrogen Production

²⁴Cr-54

Cross Section -17.19 To 9999. %

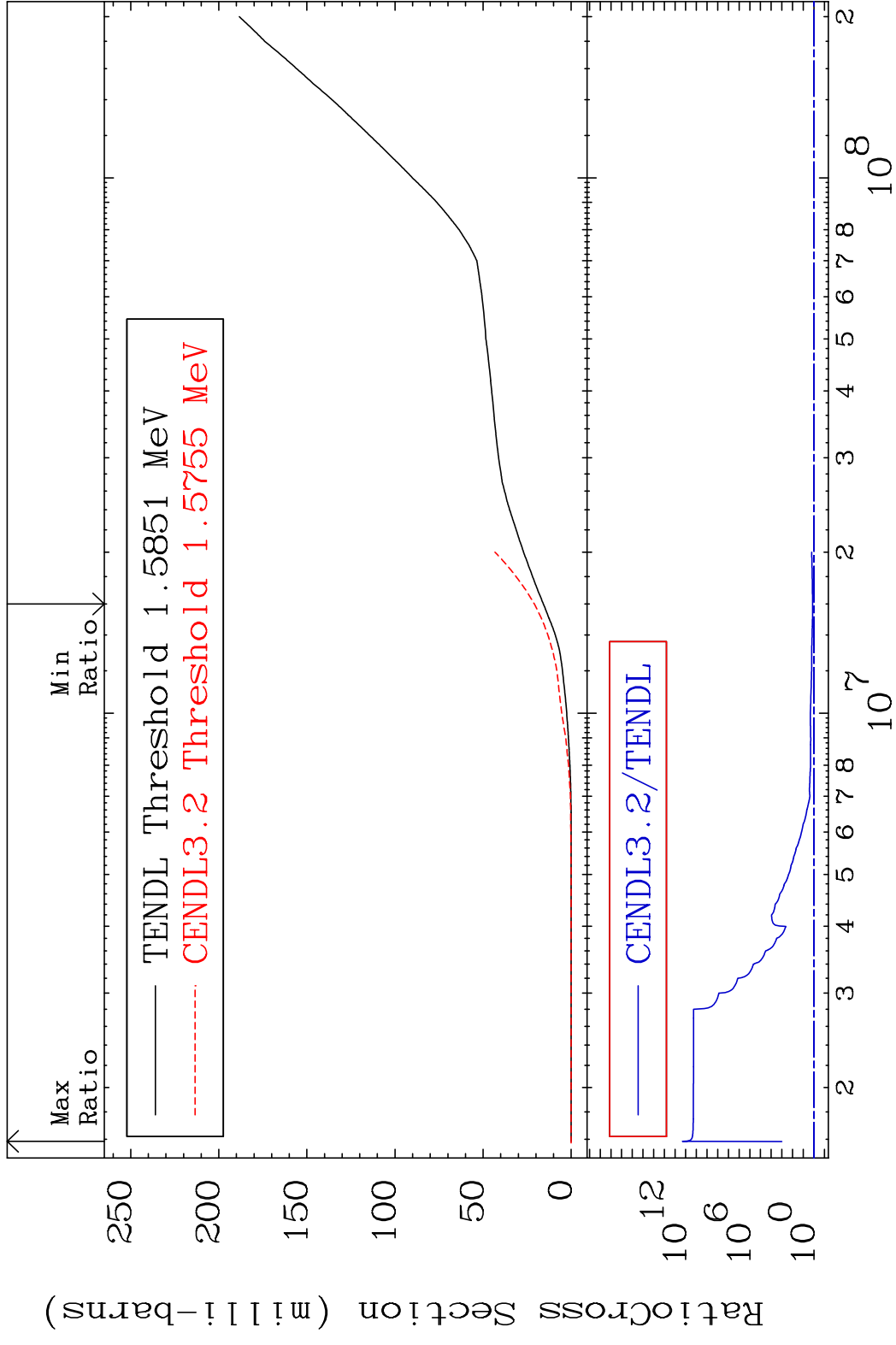


17

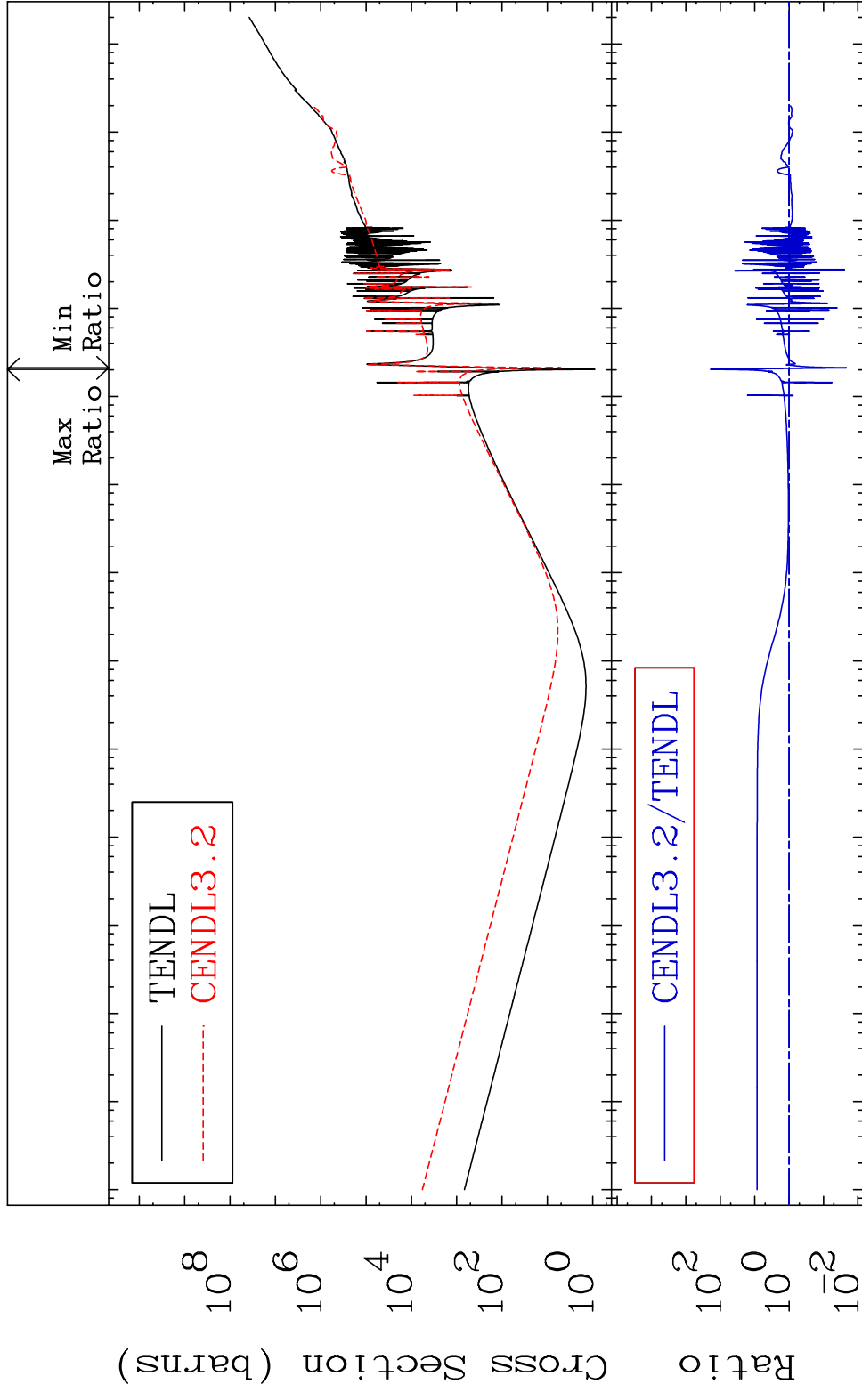
Incident Energy (eV)

²⁴Cr-54

MAT 2437 He-4 Production 24-Cr-54
 Cross Section 32.69 To 9999. %



MAT 2437 Kerma total (eV-barns) 24-Cr-54
 Cross Section -97.83 To 9999. %

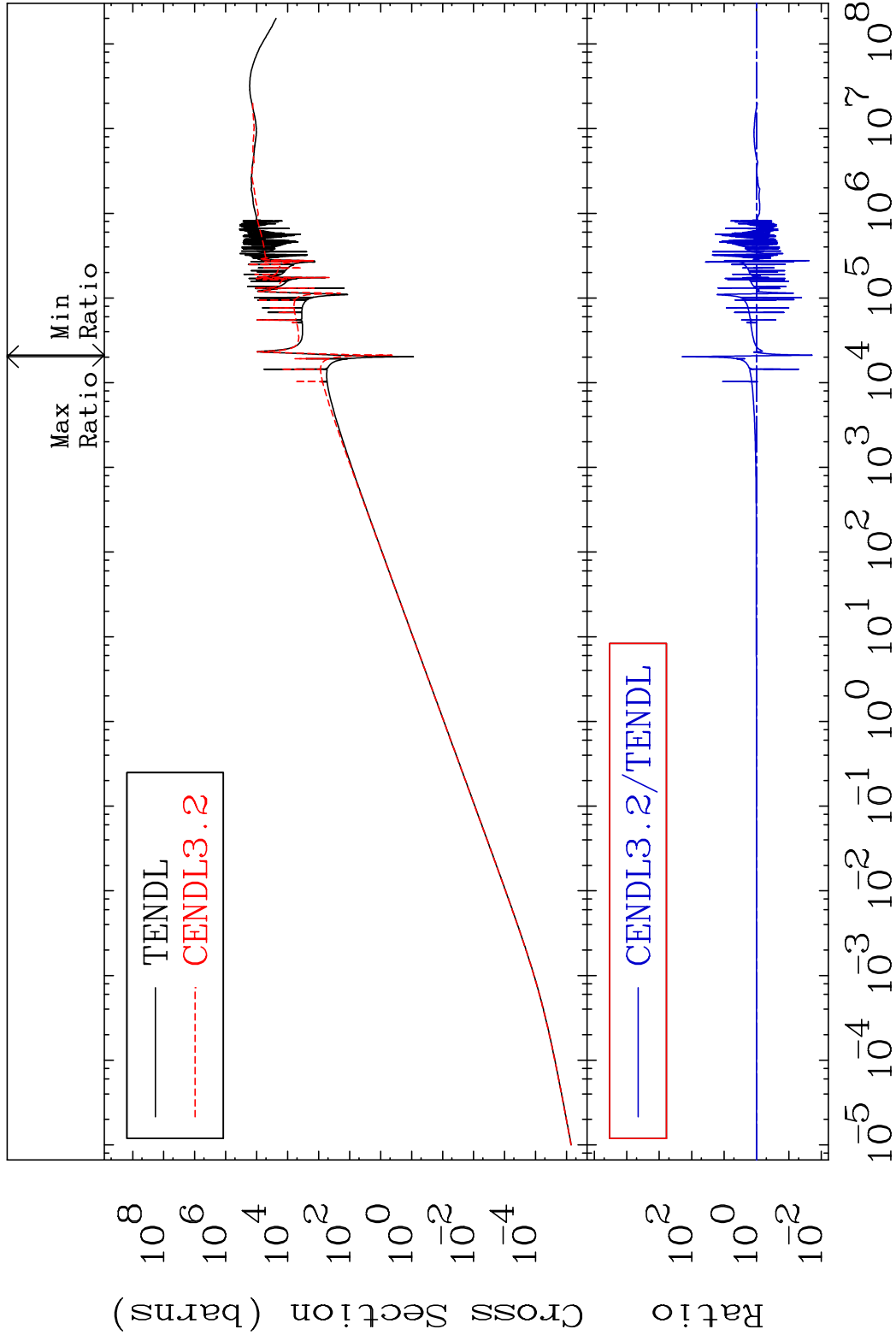


MAT 2437

Kerma elastic

24-Cr-54

Cross Section -98.13 To 9999. %

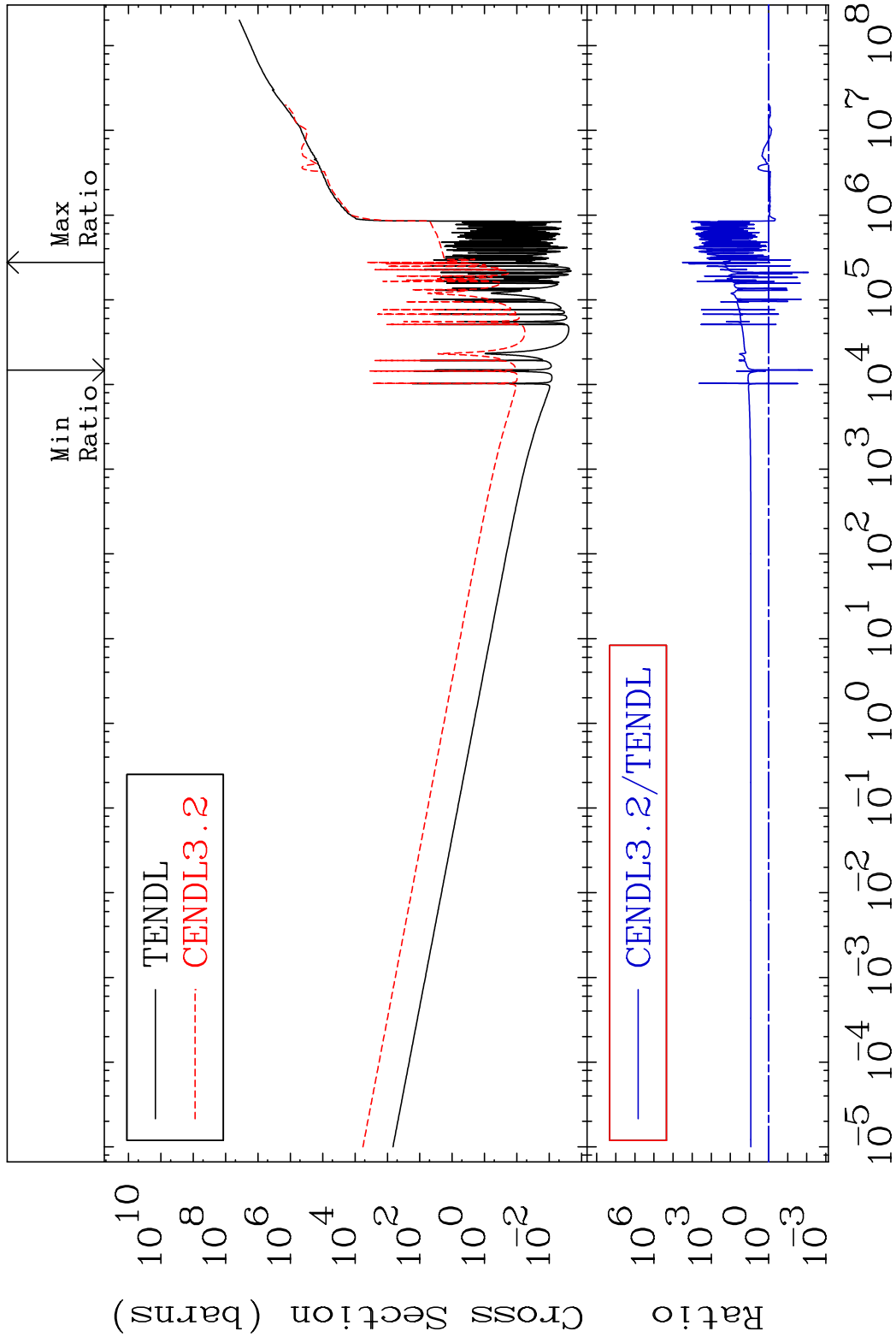


20

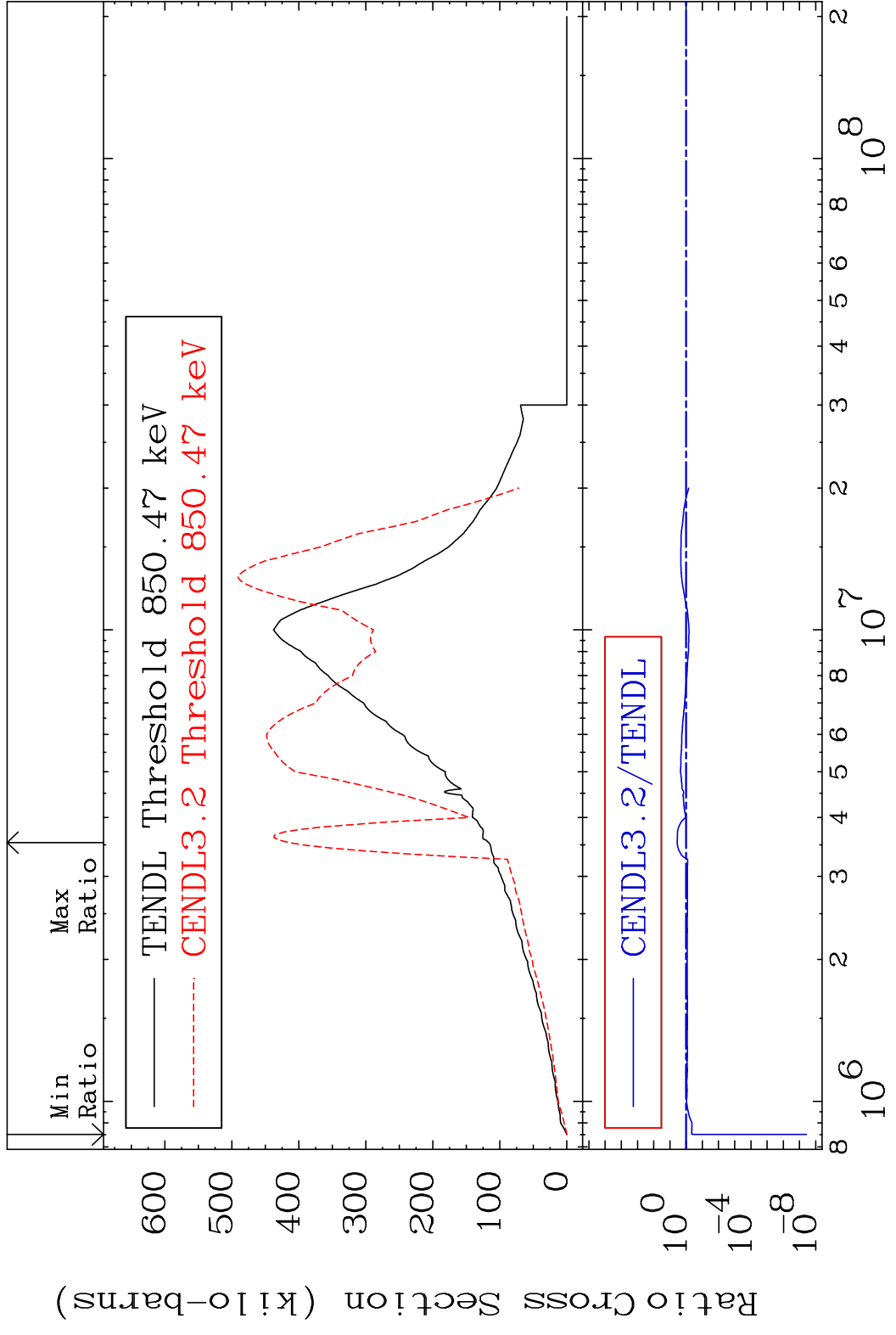
Incident Energy (eV)

24-Cr-54

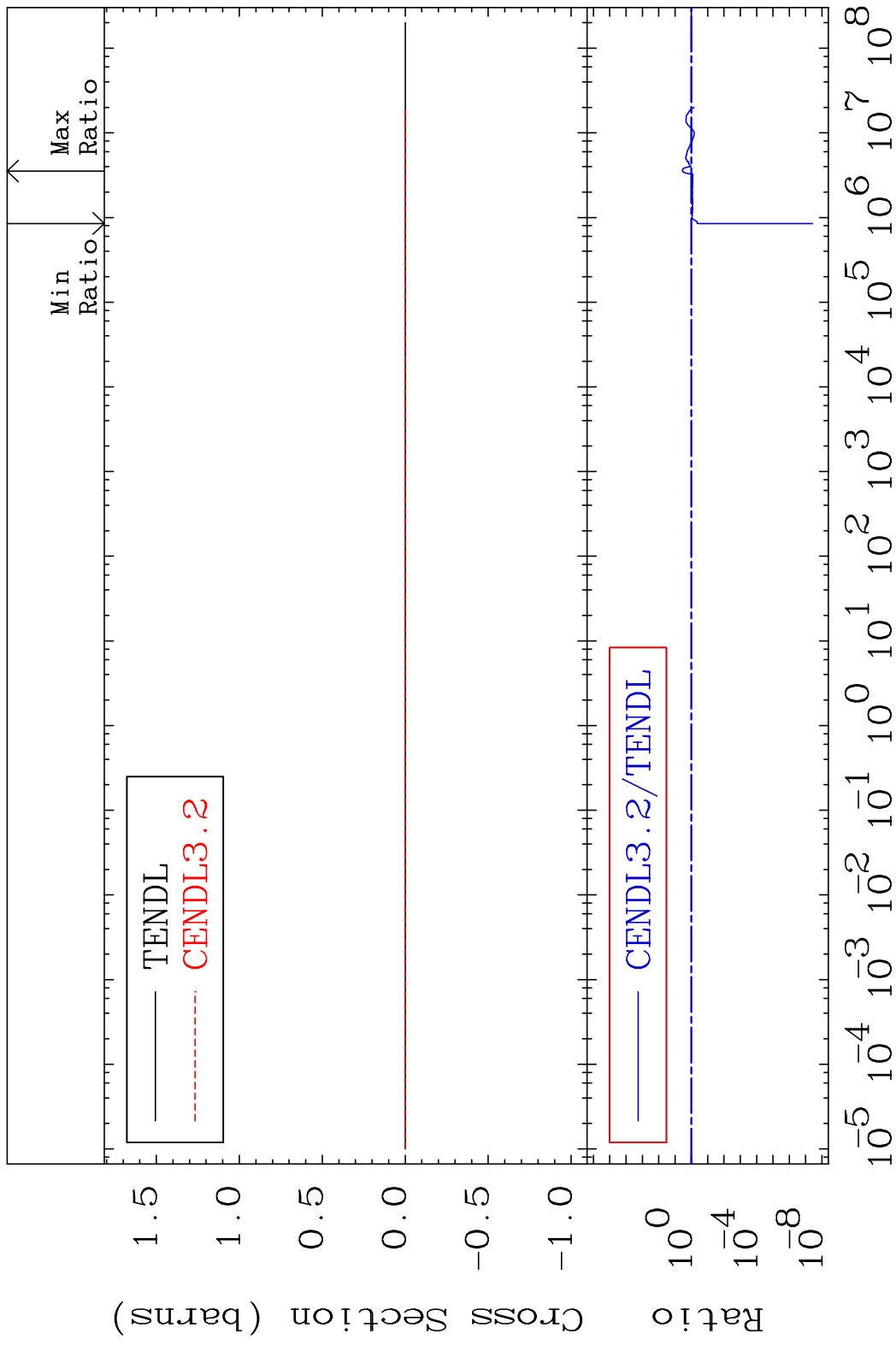
MAT 2437 Kerma non-elastic (all but mt2) 24-Cr-54
 Cross Section -99.50 To 9999. %



MAT 2437 Kerma inelastic (mt51-91) 24-Cr-54
 Cross Section -100.0 To 255.8 %



MAT 2437 Kerma fission (mt18 or mt19-20-21-38) 24-Cr-54
 Cross Section -100.0 To 255.8 %

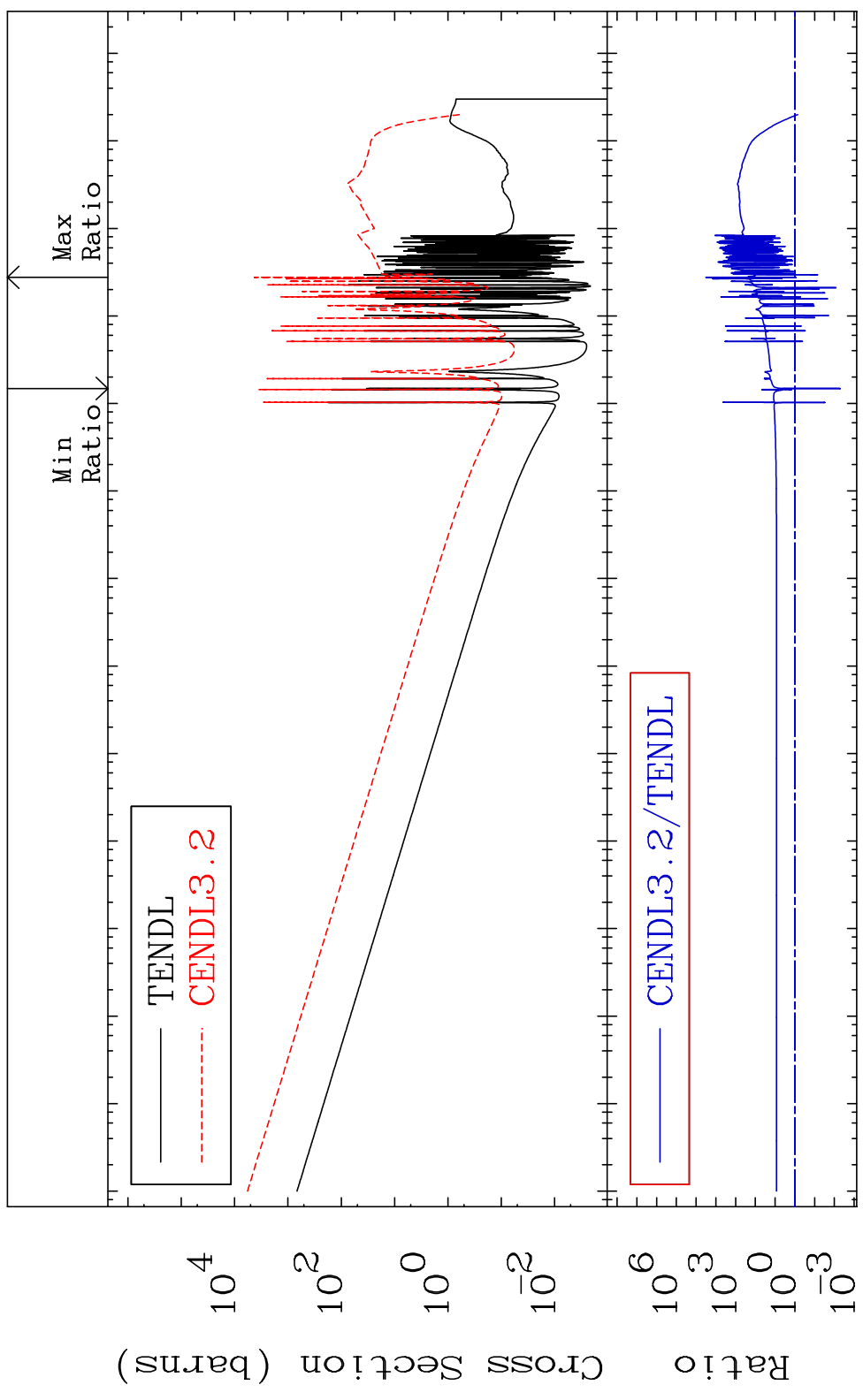


MAT 2437

Kerma capture (mt102)

24-Cr-54

Cross Section -99.50 To 9999. %



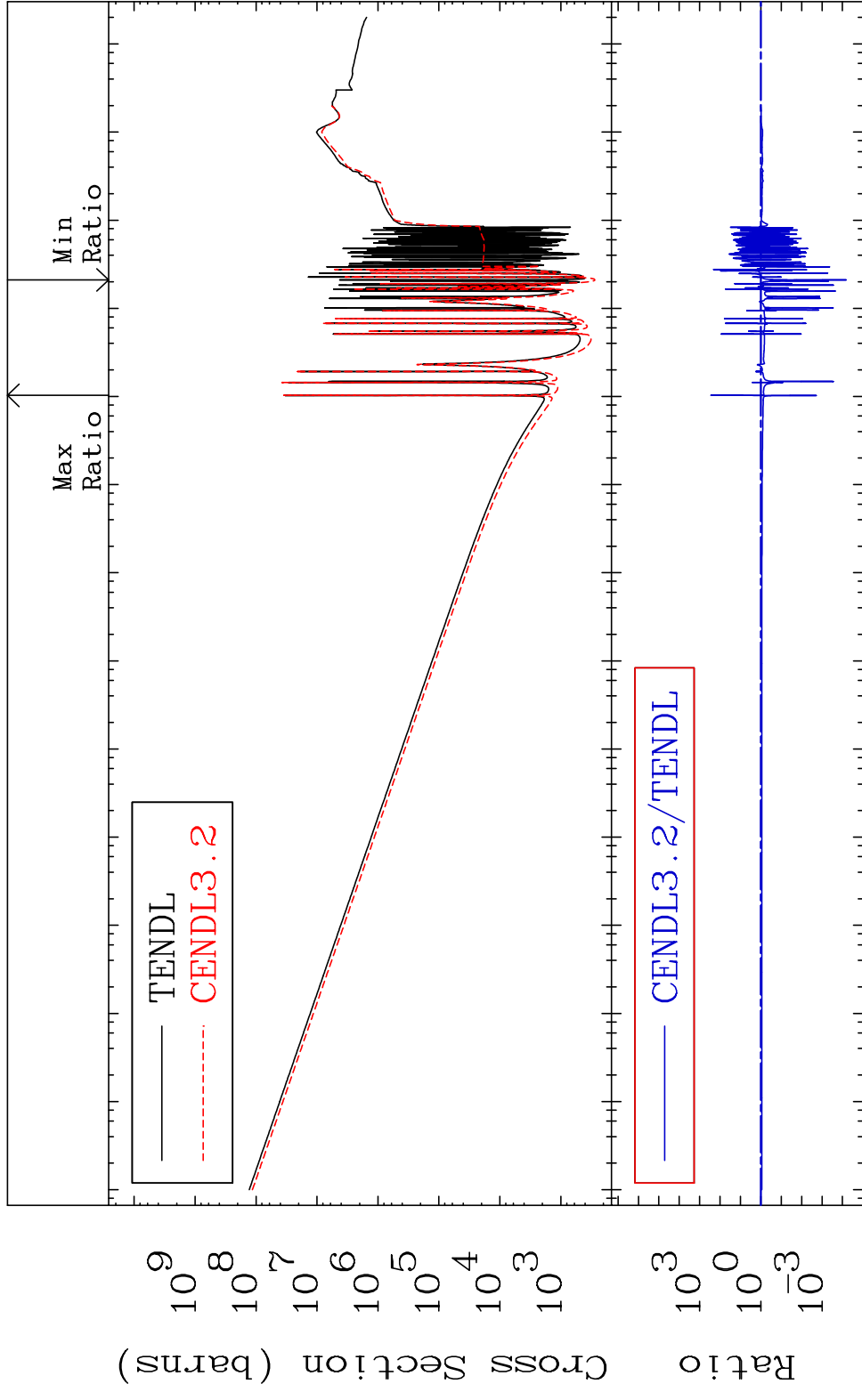
24

Incident Energy (eV)

24-Cr-54

MAT 2437

Total photon (eV-barns) 24-Cr-54
Cross Section -99.99 To 9999. %

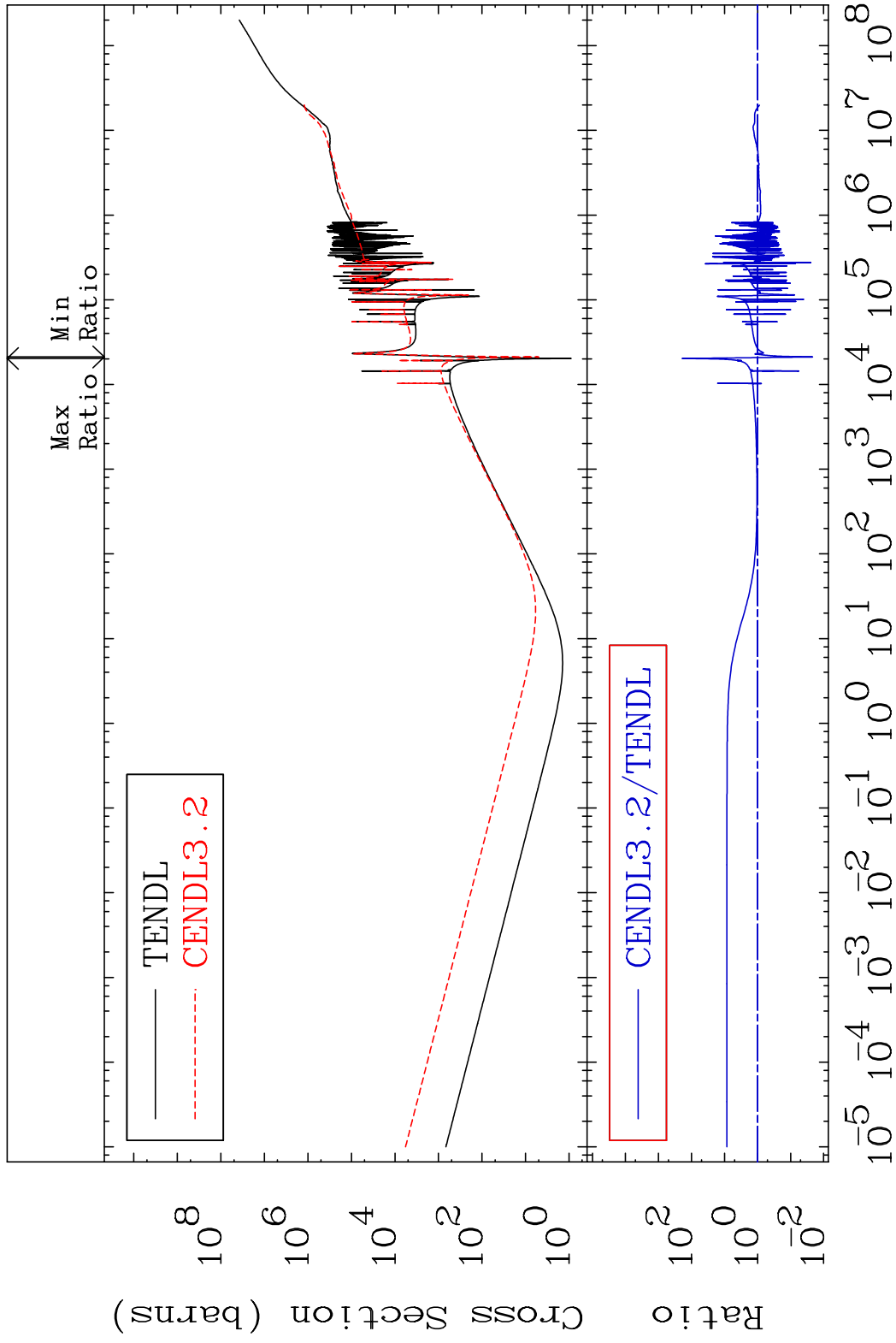


25

Incident Energy (eV)

24-Cr-54

MAT 2437 Total kinematic kerma (high limit) 24-Cr-54
 Cross Section -97.83 To 9999. %

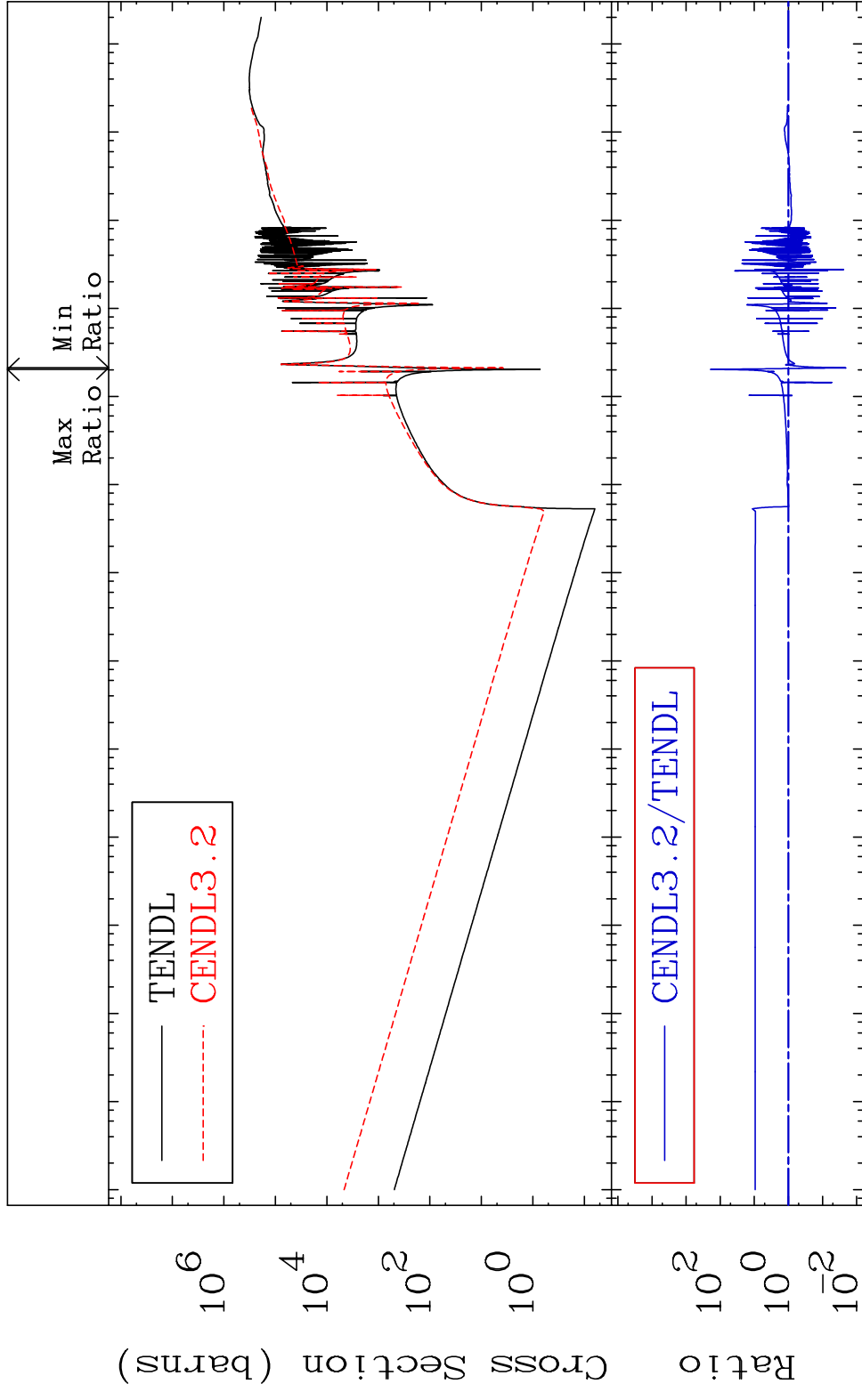


MAT 2437

Dpa total (eV-barns)

24-Cr-54

Cross Section -98.00 To 9999. %



27

Incident Energy (eV)

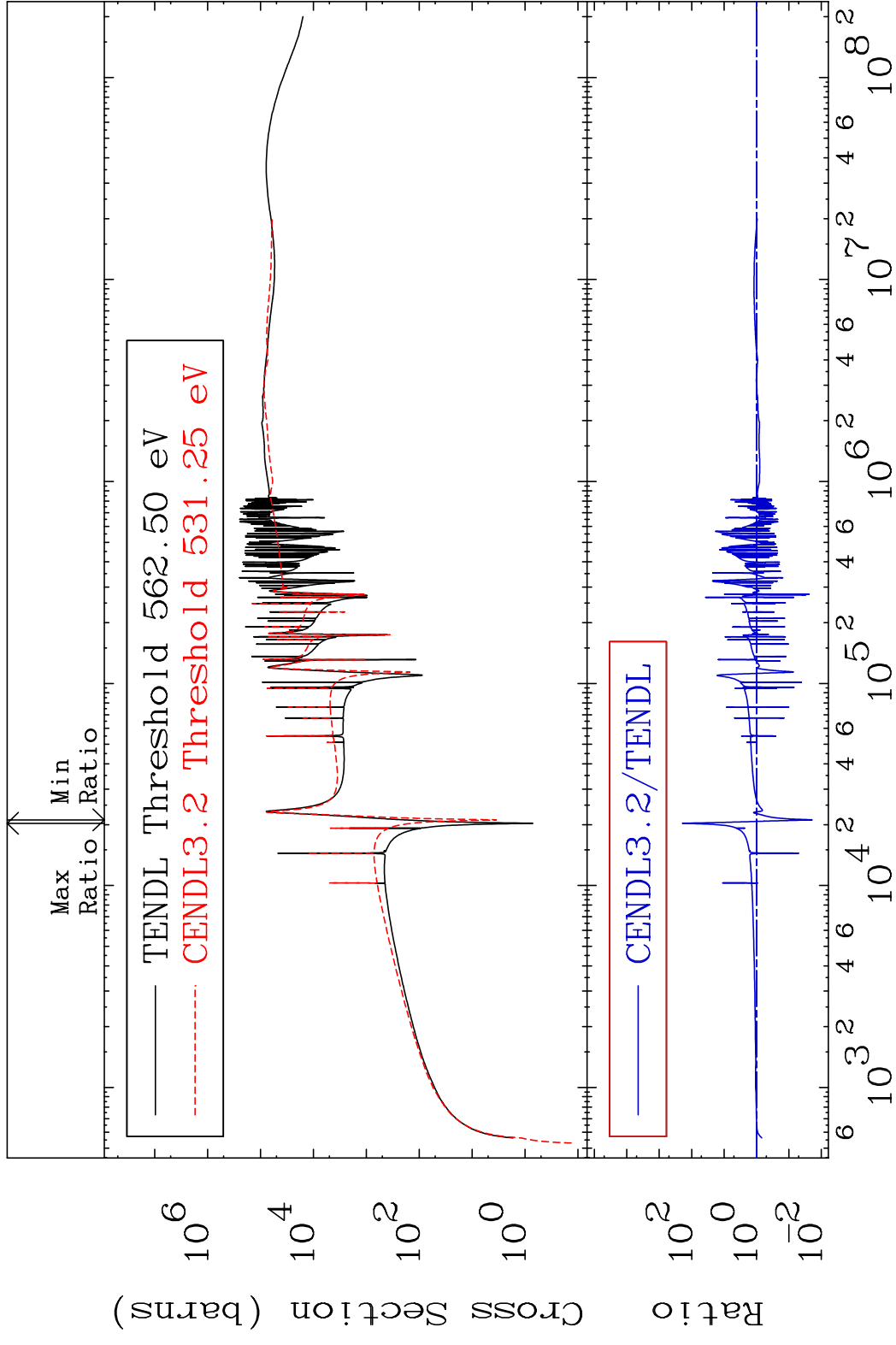
24-Cr-54

MAT 2437

Dpa elastic (mt2)

24-Cr-54

Cross Section -98.13 To 9999. %

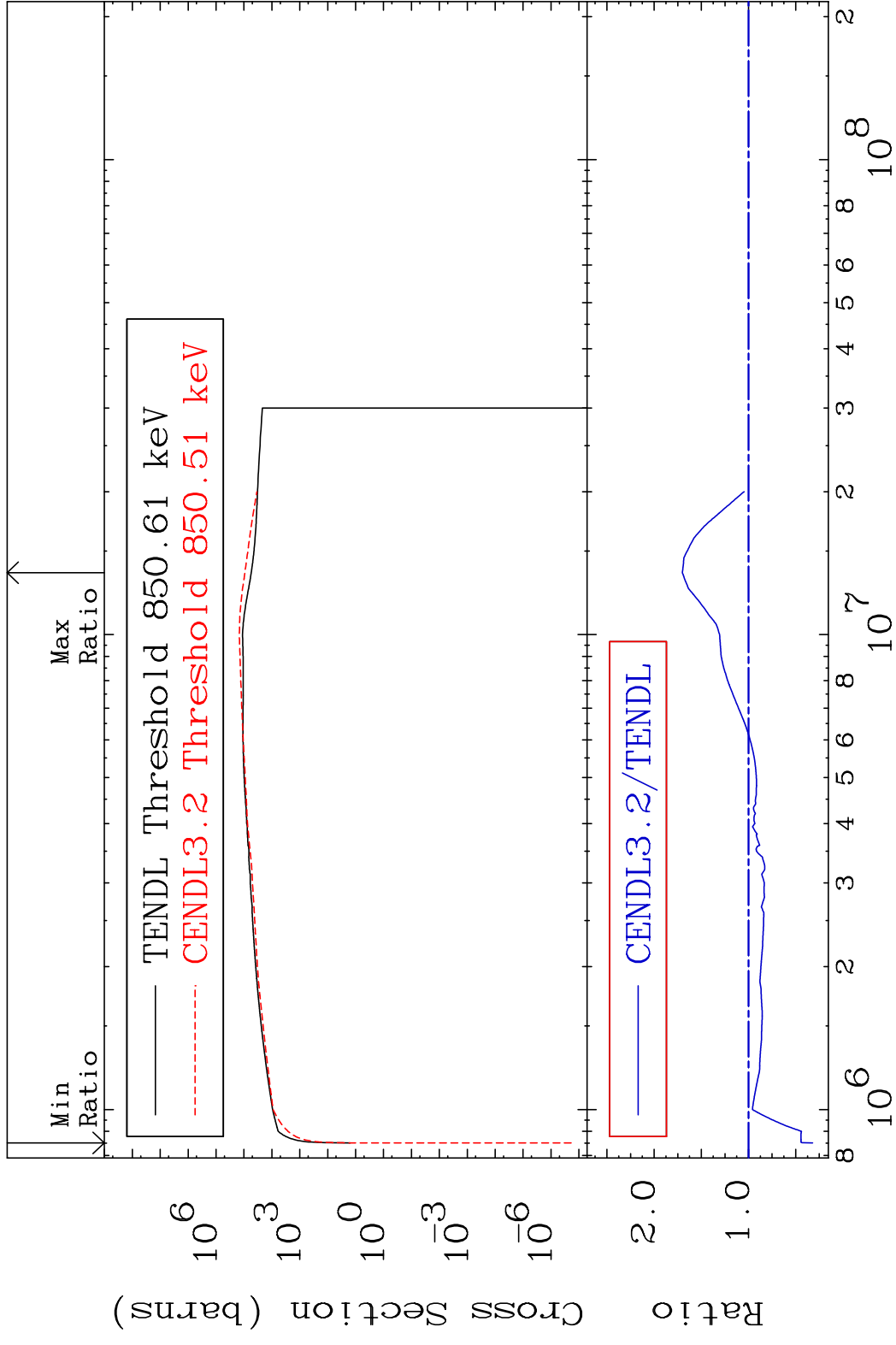


28

Incident Energy (eV)

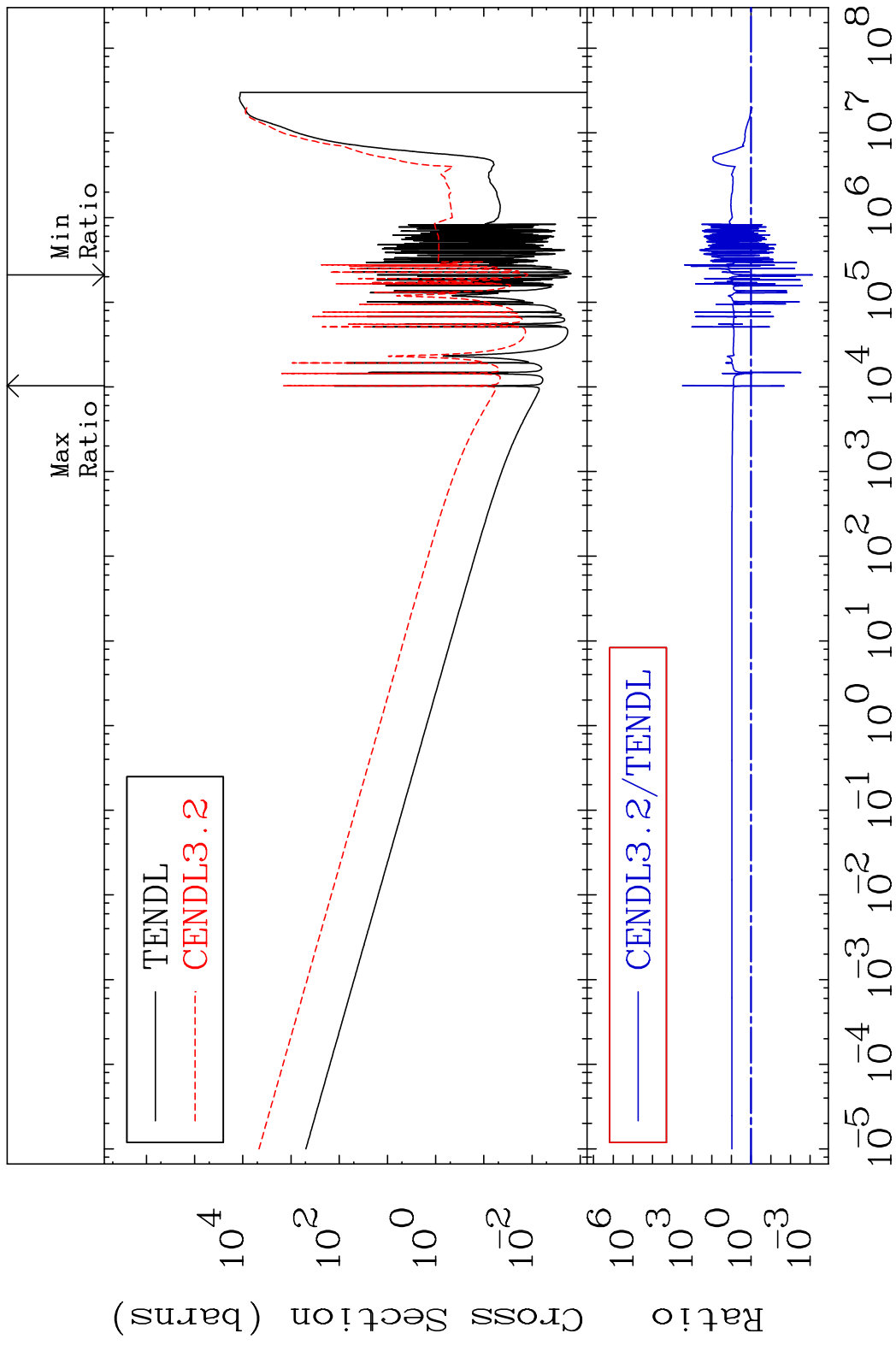
24-Cr-54

MAT 2437 Dpa inelastic (mt51-91) 24-Cr-54
 Cross Section -67.83 To 70.10 %



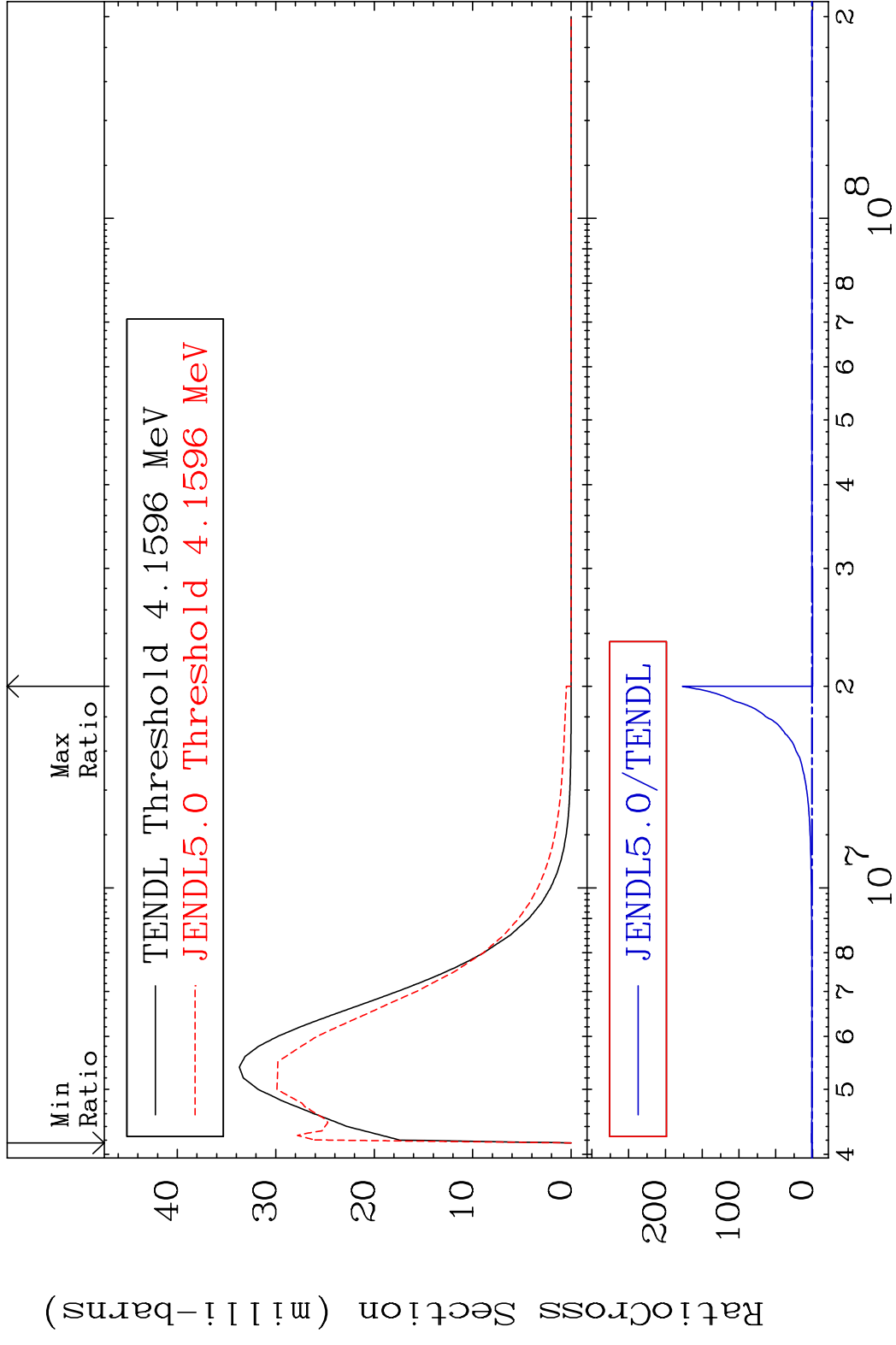
29 Incident Energy (eV) 24-Cr-54

MAT 2437 Dpa disappearance (mt102 -120) 24-Cr-54
 Cross Section -99.92 To 9999. %

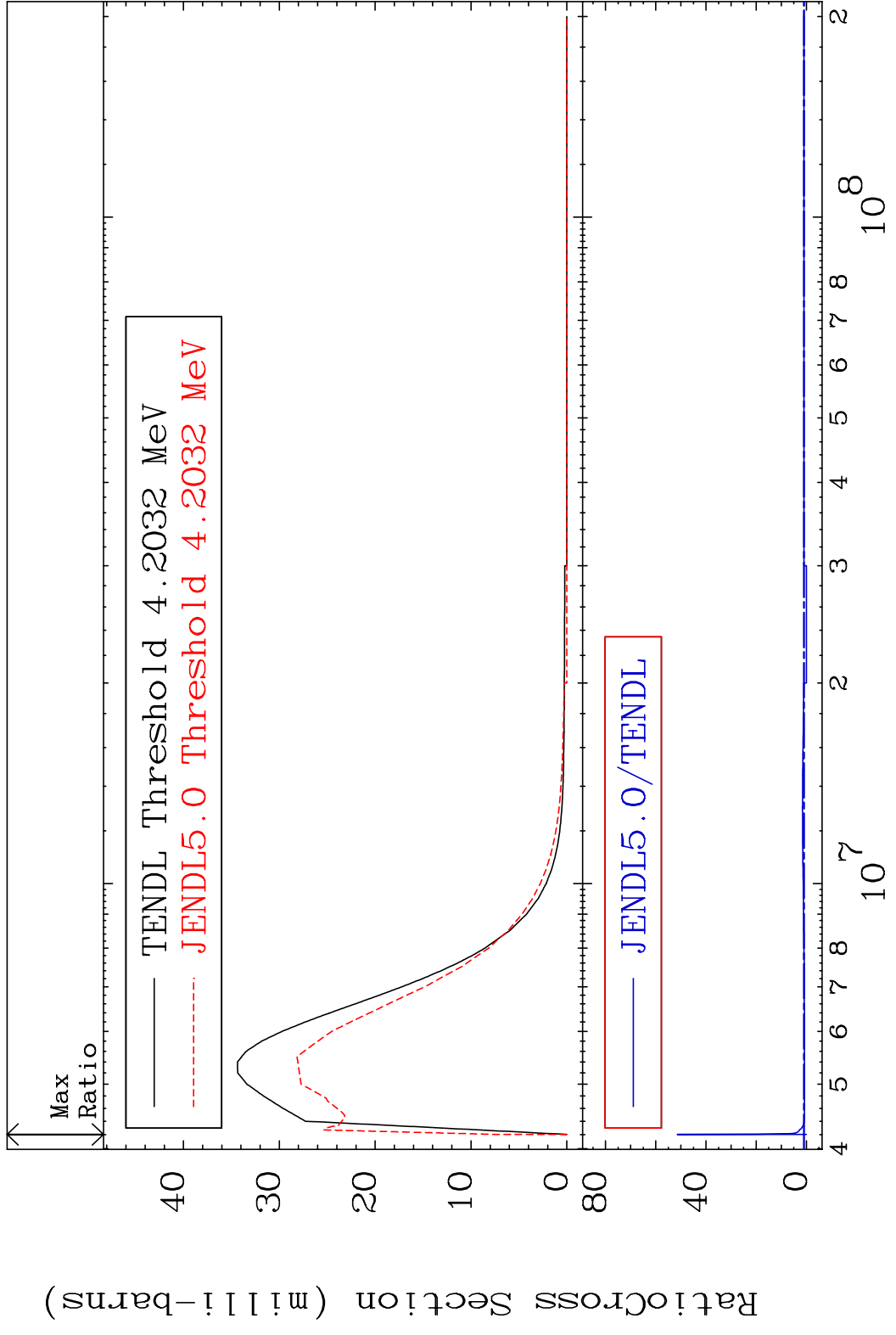


30 Incident Energy (eV) 24-Cr-54

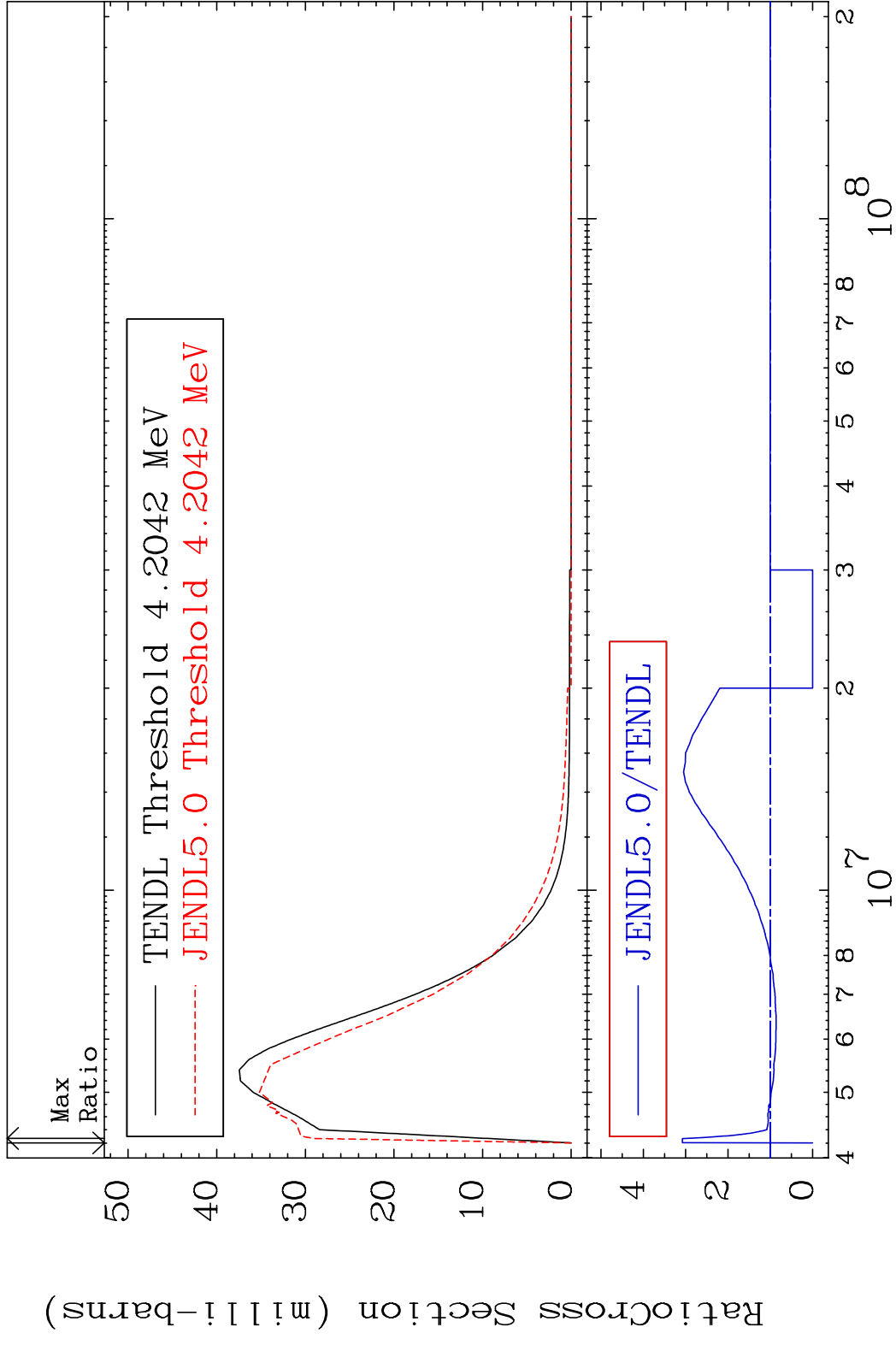
MAT 2437 MT= 73 (n, n') Level 24-Cr-54
 Cross Section -100.0 To 9999. %



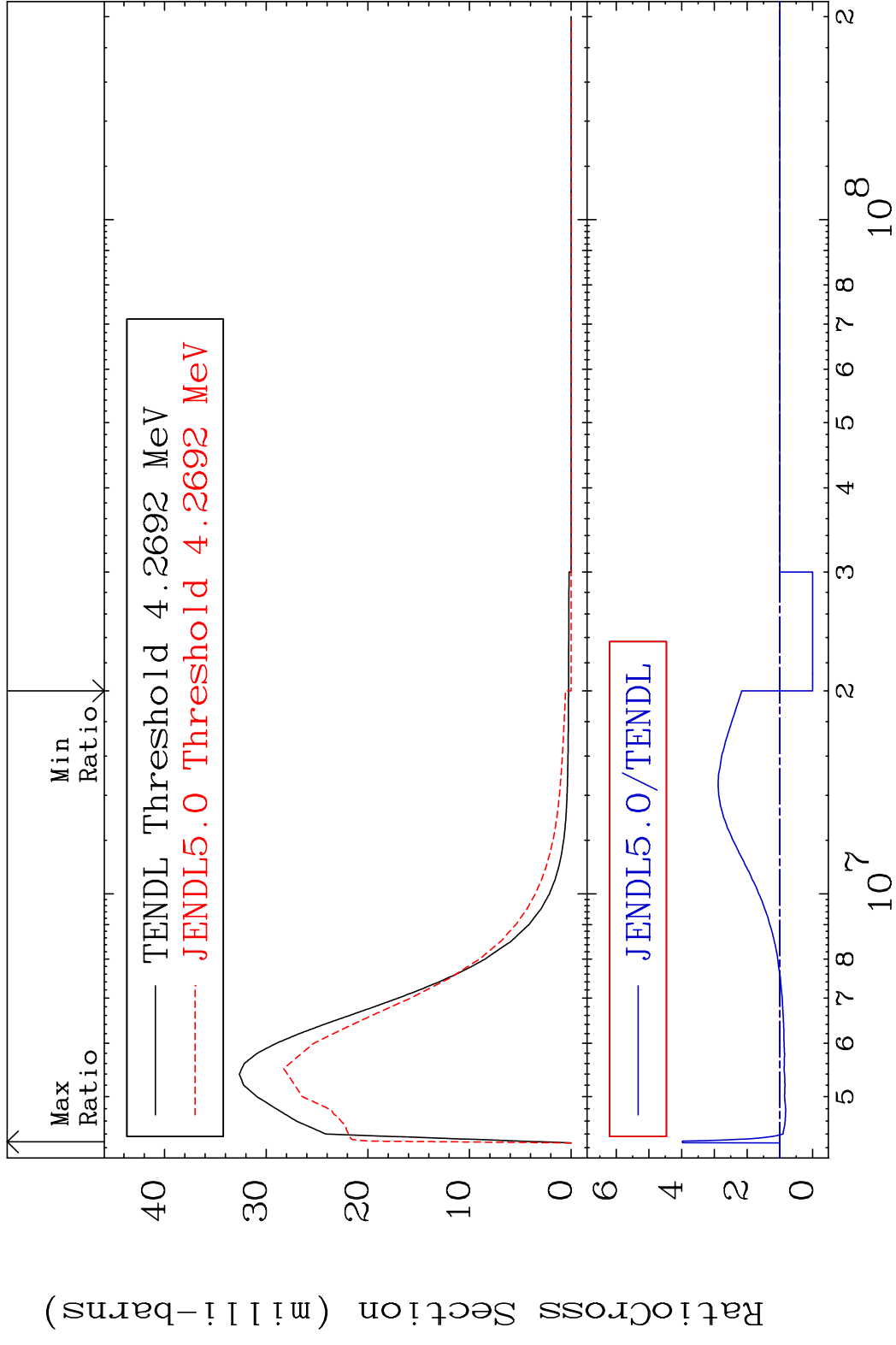
MAT 2437 MT= 74 (n,n') Level 24-Cr-54
 Cross Section -100.0 To 5047. %



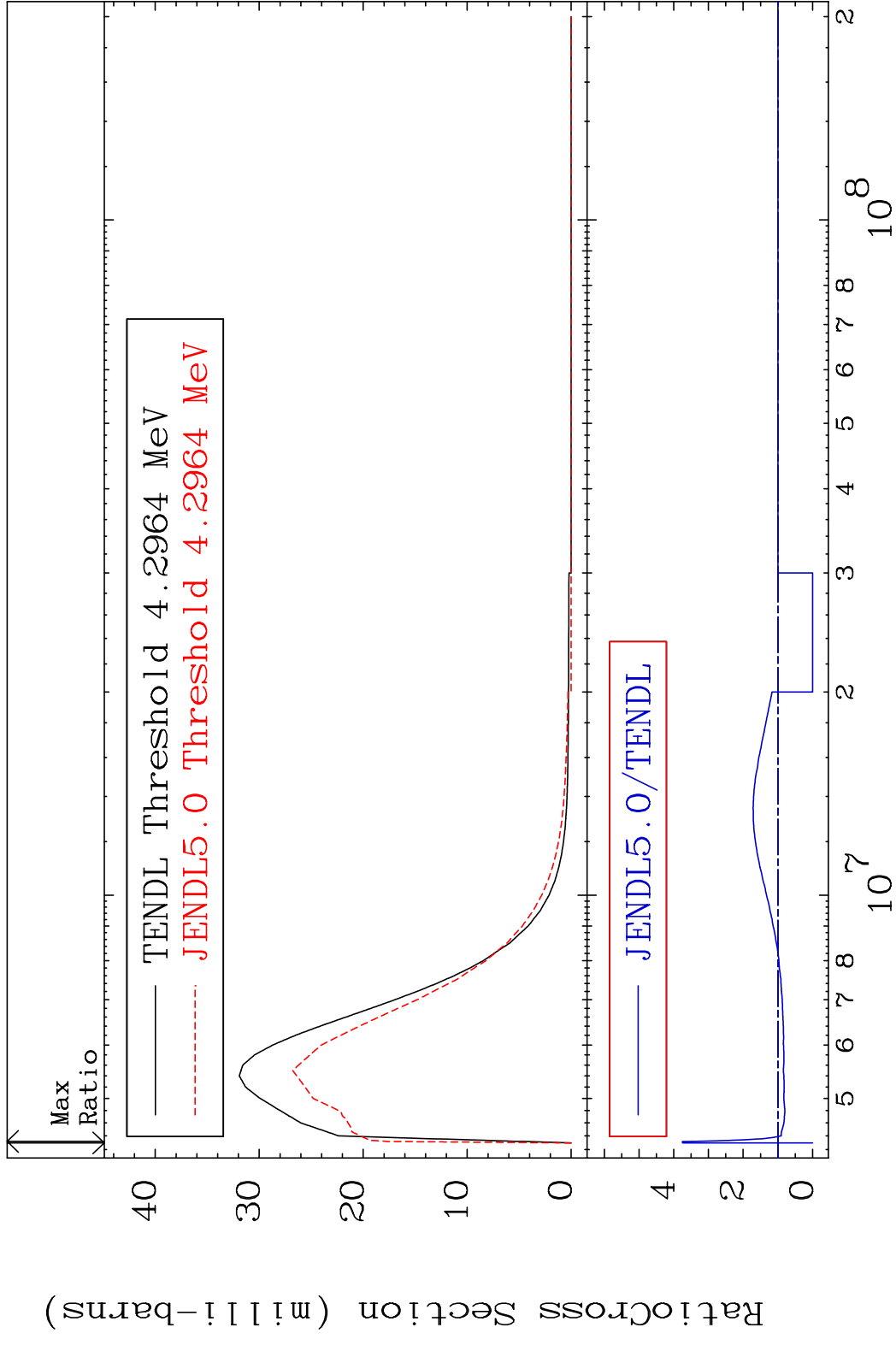
MAT 2437 MT= 75 (n,n') Level 24-Cr-54
 Cross Section -100.0 To 207.8 %



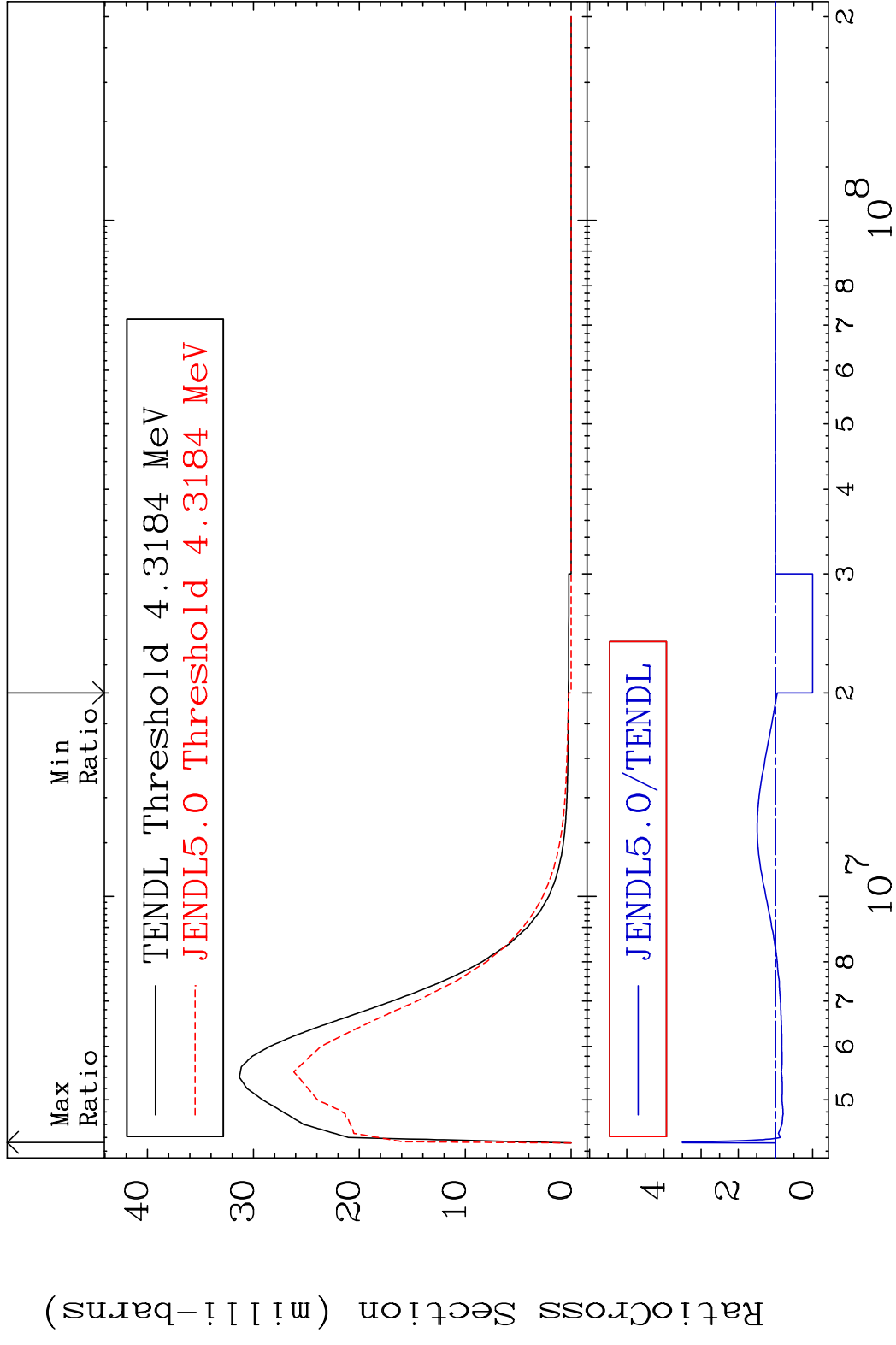
MAT 2437 MT= 76 (n, n') Level 24-Cr-54
 Cross Section -100.0 To 297.9 %



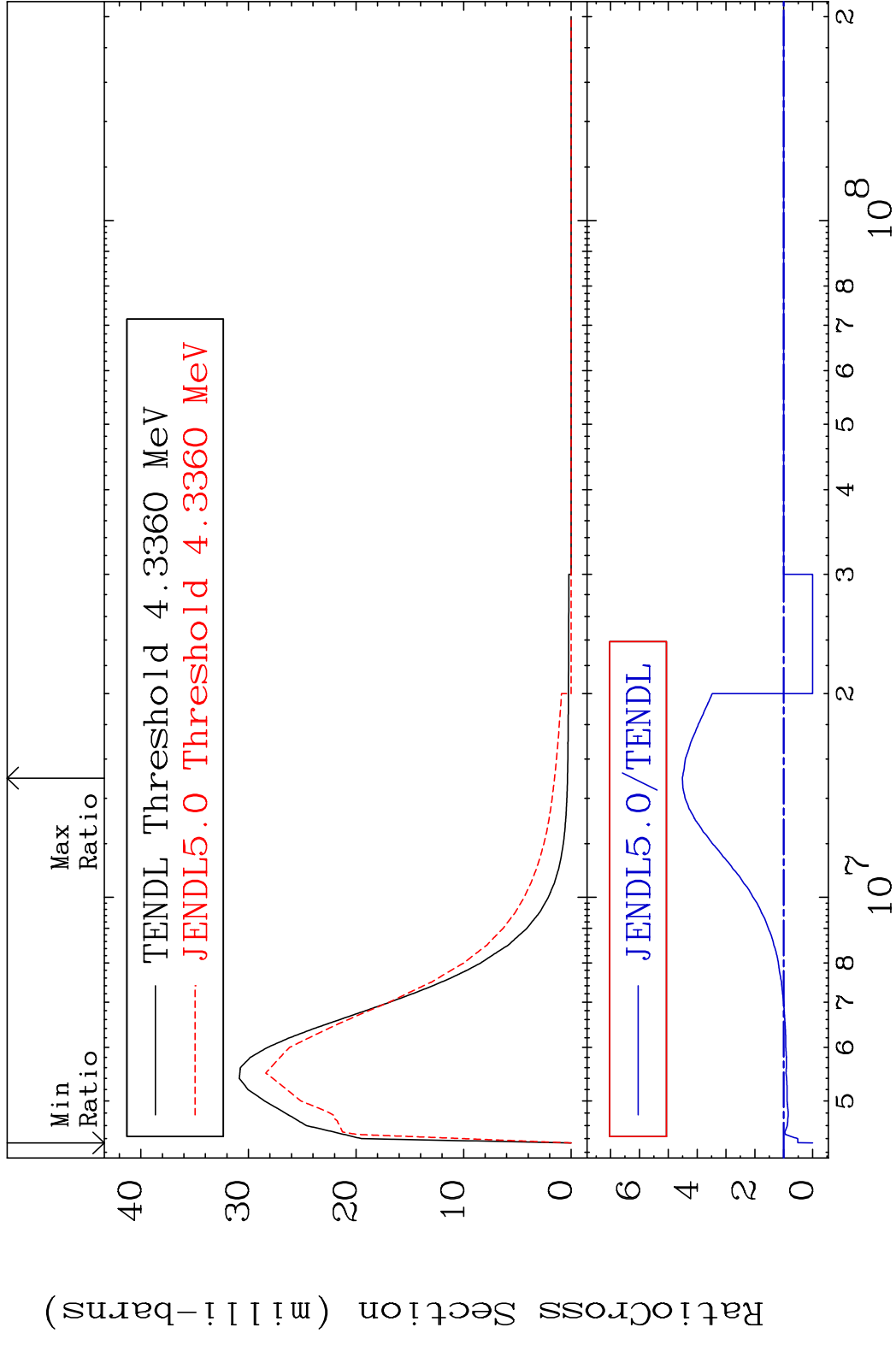
MAT 2437 MT= 77 (n,n') Level 24-Cr-54
 Cross Section -100.0 To 275.2 %



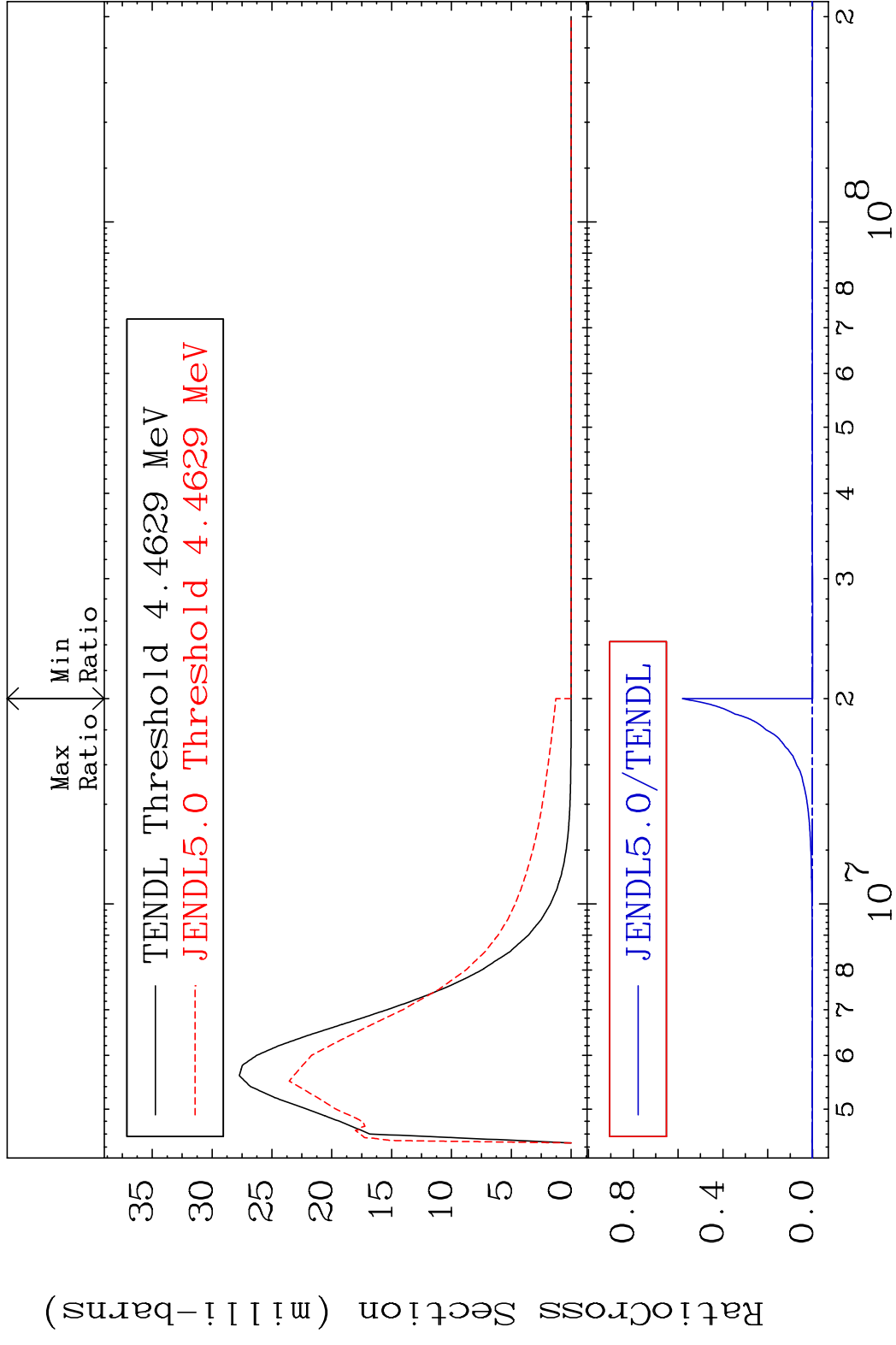
MAT 2437 MT= 78 (n, n') Level 24-Cr-54
 Cross Section -100.0 To 250.3 %



MAT 2437 MT= 79 (n, n') Level 24-Cr-54
 Cross Section -100.0 To 351.2 %



MAT 2437 MT= 80 (n, n') Level 24-Cr-54
 Cross Section -100.0 To 9999. %

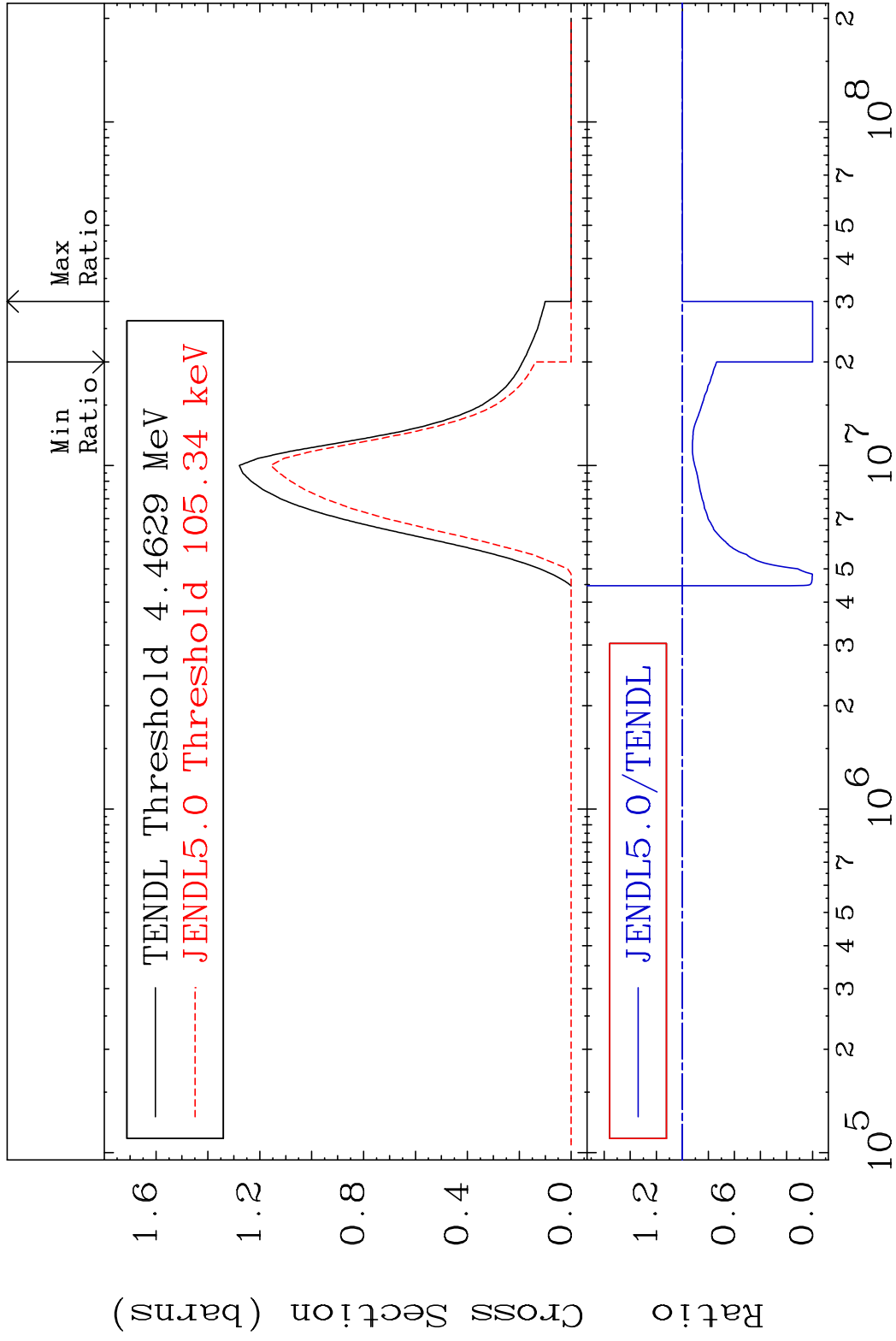


MAT 2437

(n, n') Continuum

²⁴Cr-54

Cross Section -100.0 To 0.000 %



39

Incident Energy (eV)

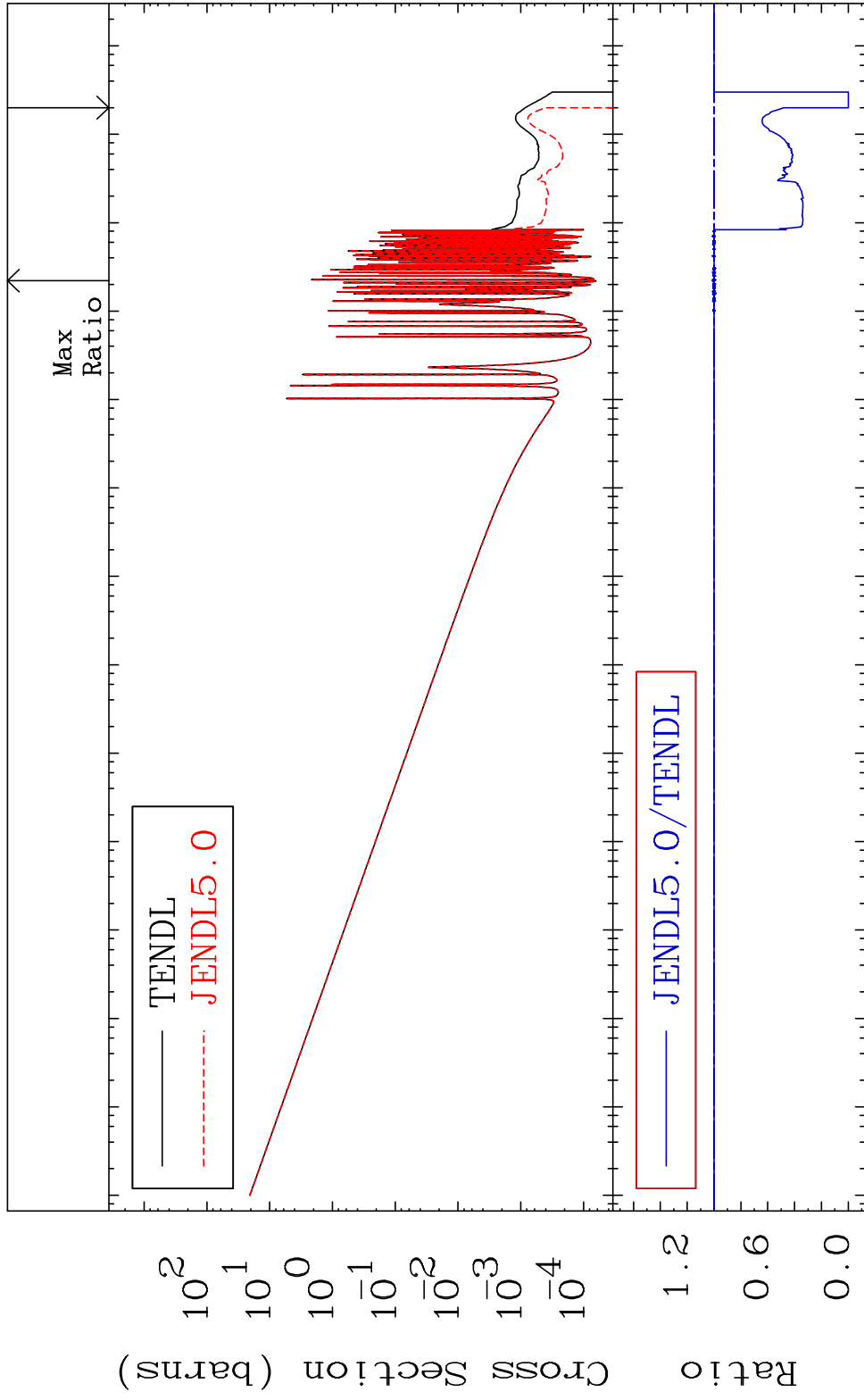
²⁴Cr-54

MAT 2437

(n, γ)

24-Cr-54

Cross Section -100.0 To 1.260 %



Incident Energy (eV) 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

40

Incident Energy (eV)

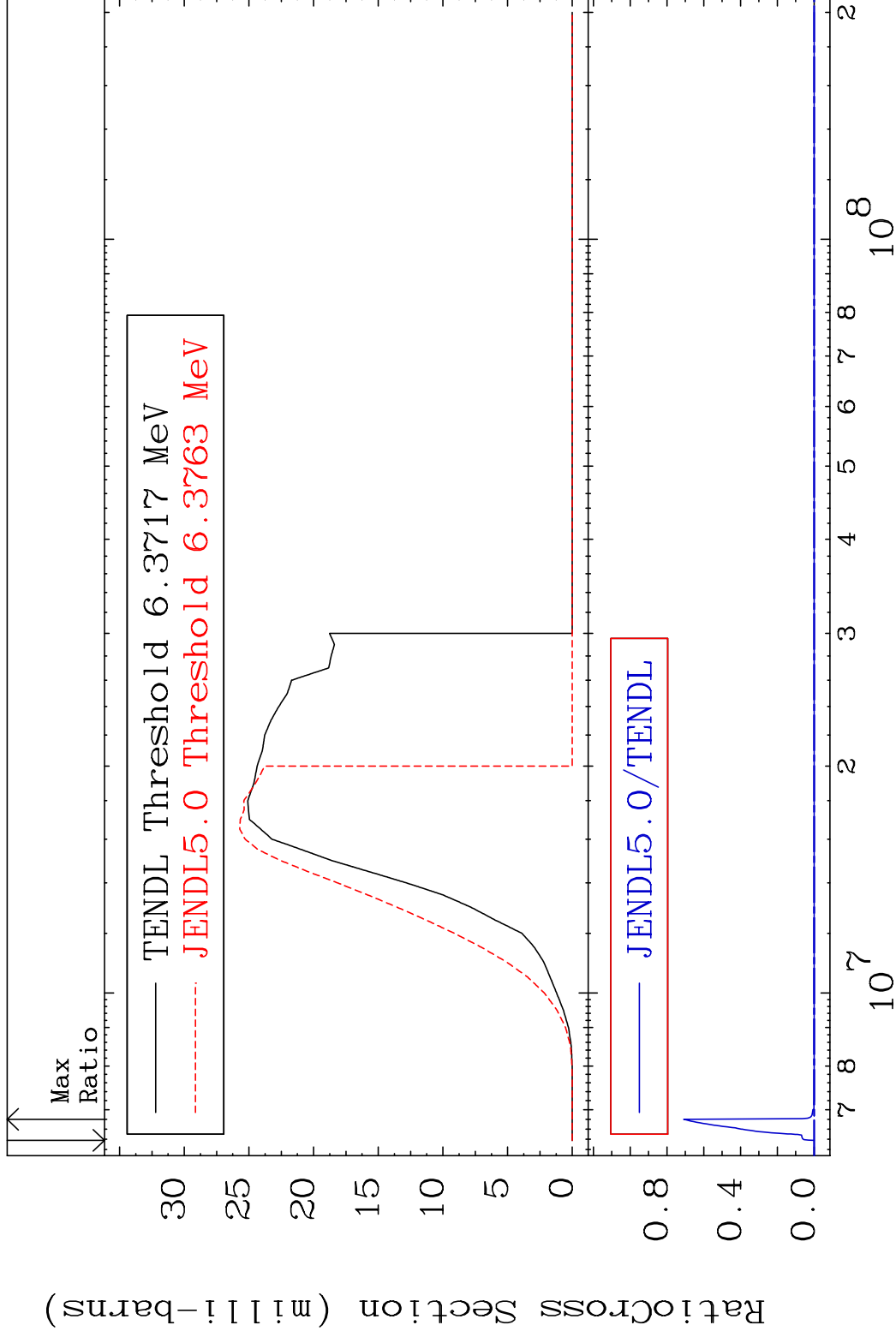
24-Cr-54

MAT 2437

(n,p)

24-Cr-54

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

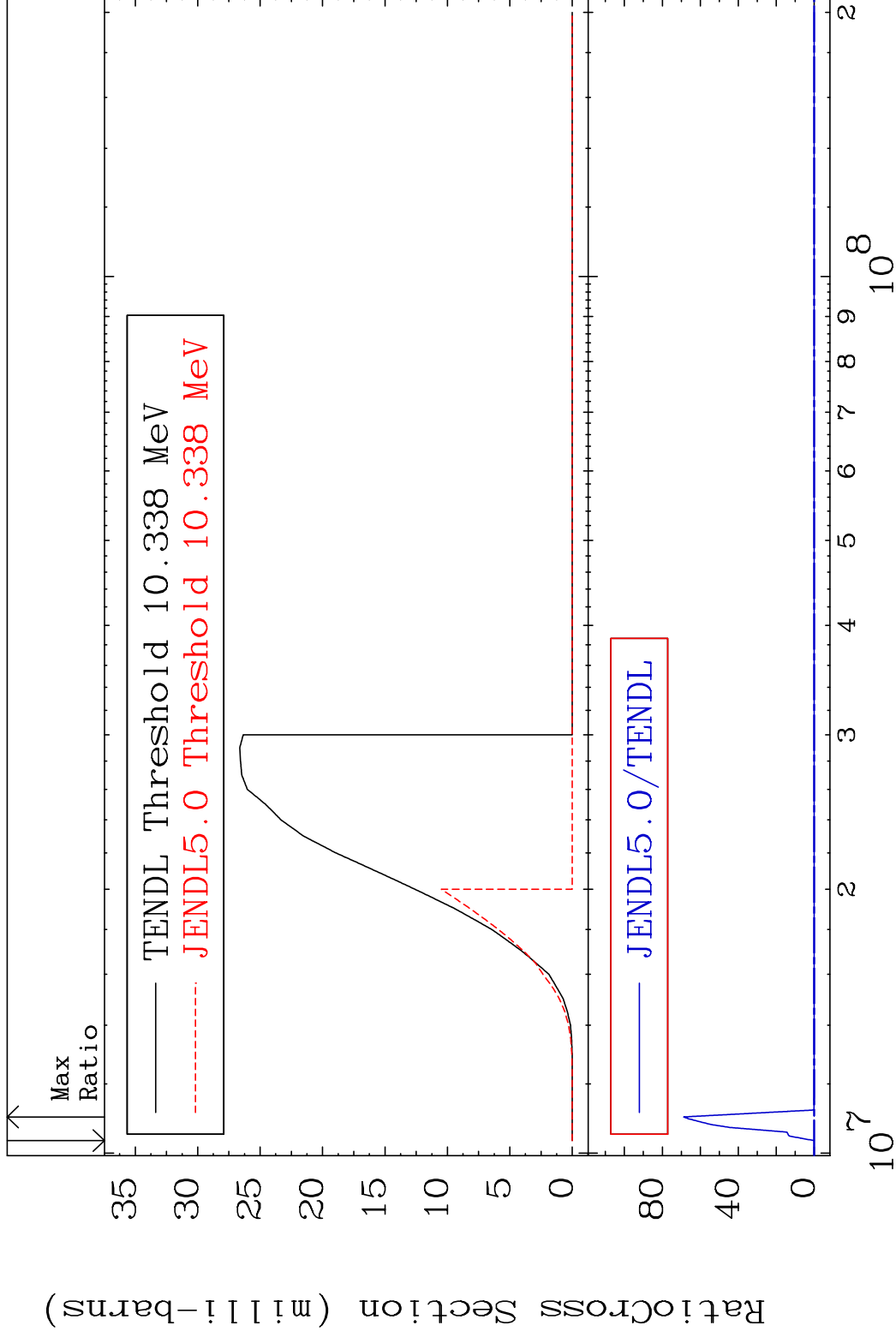
24-Cr-54

MAT 2437

(n,d)

²⁴Cr-54

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

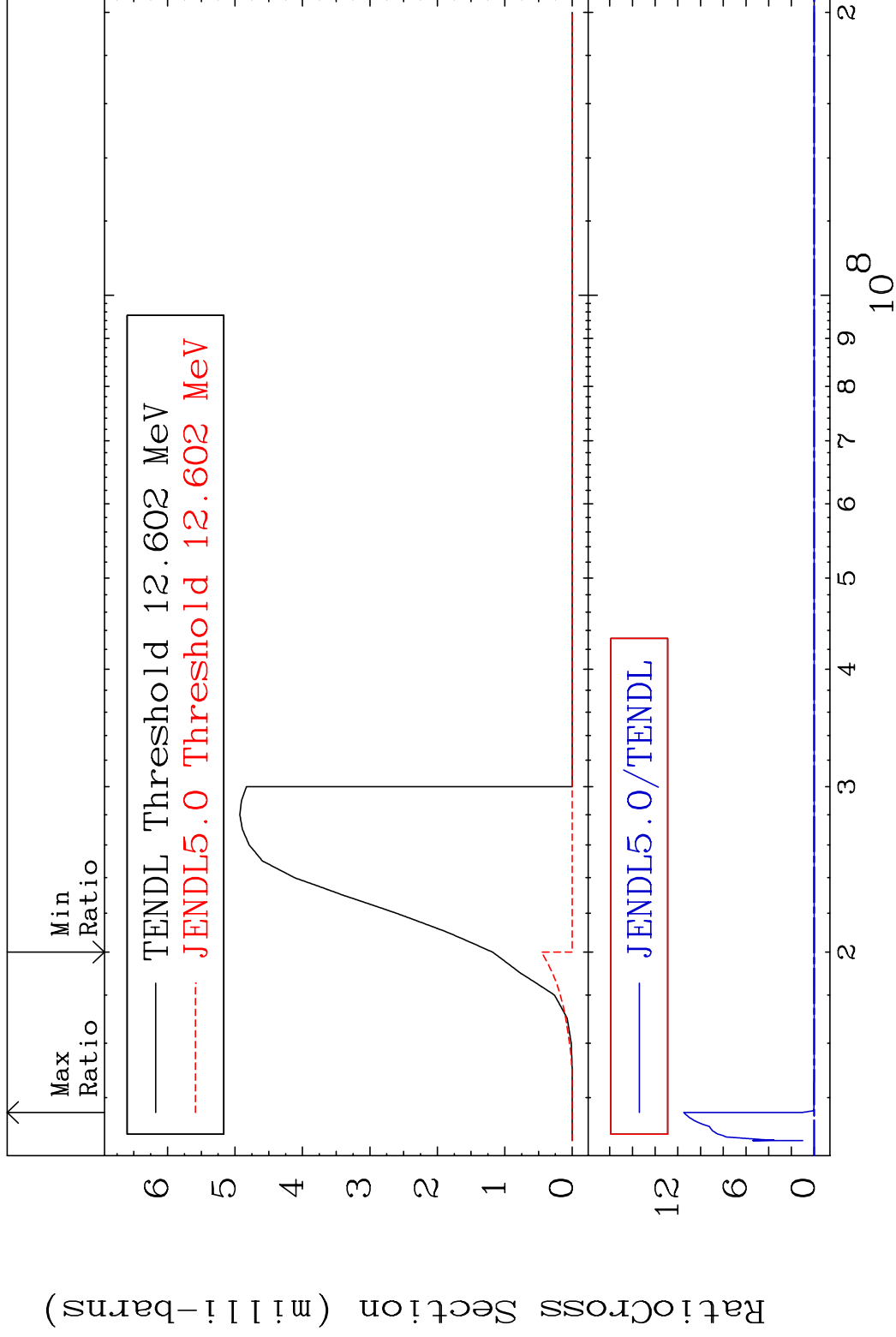
²⁴Cr-54

MAT 2437

(n, t)

24-Cr-54

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

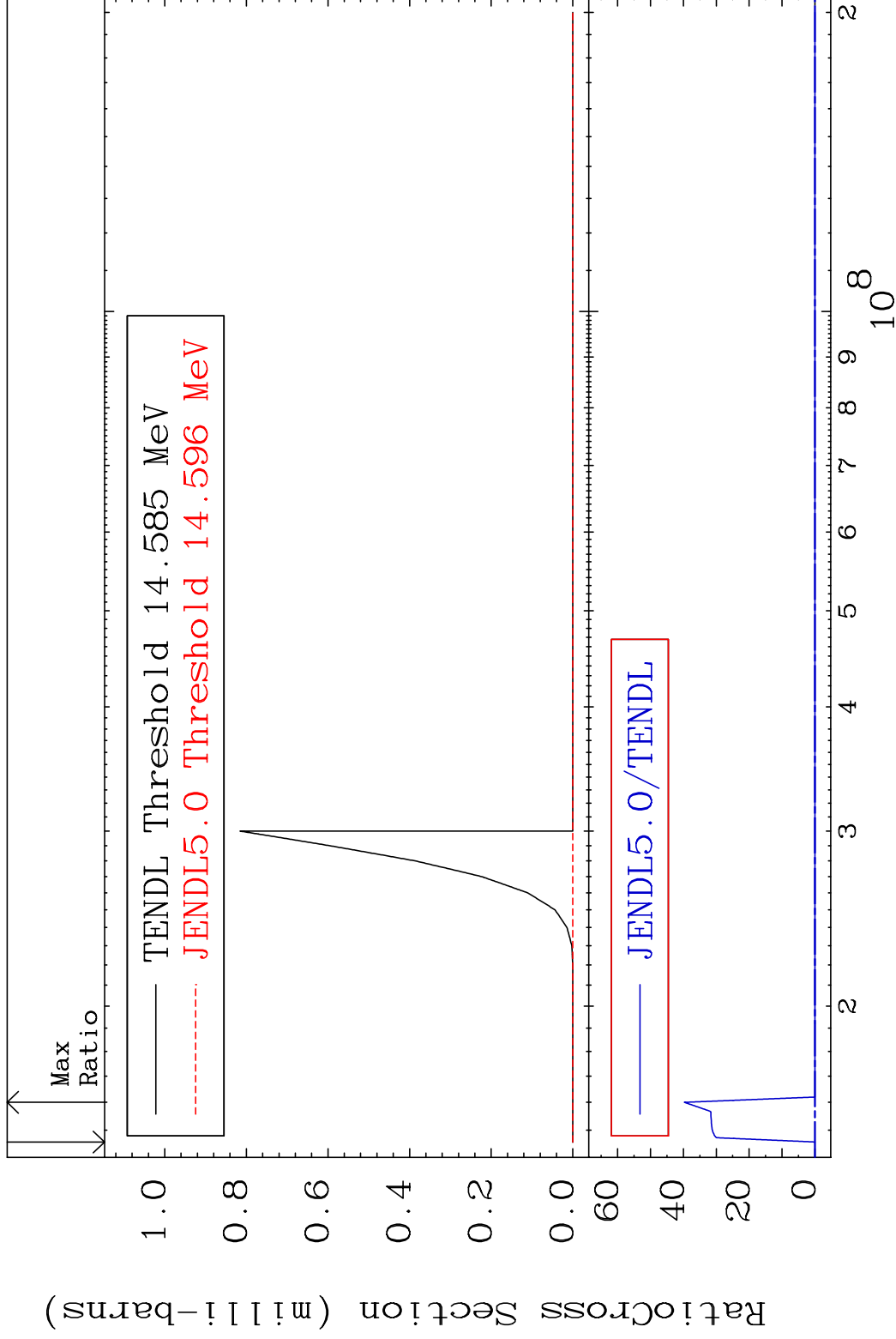
24-Cr-54

MAT 2437

(n, He-3)

²⁴Cr-54

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

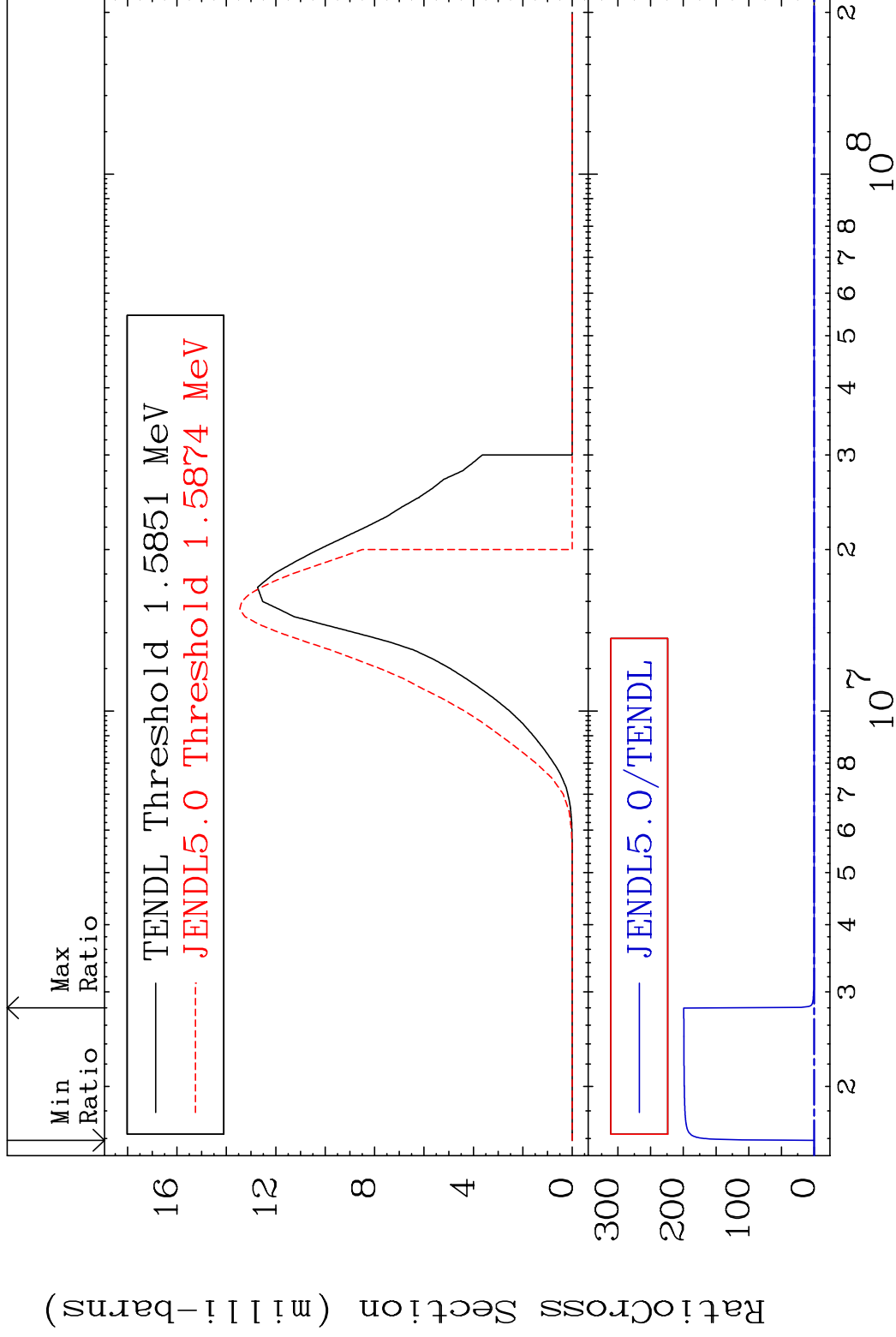
²⁴Cr-54

MAT 2437

(n, α)

²⁴Cr-54

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

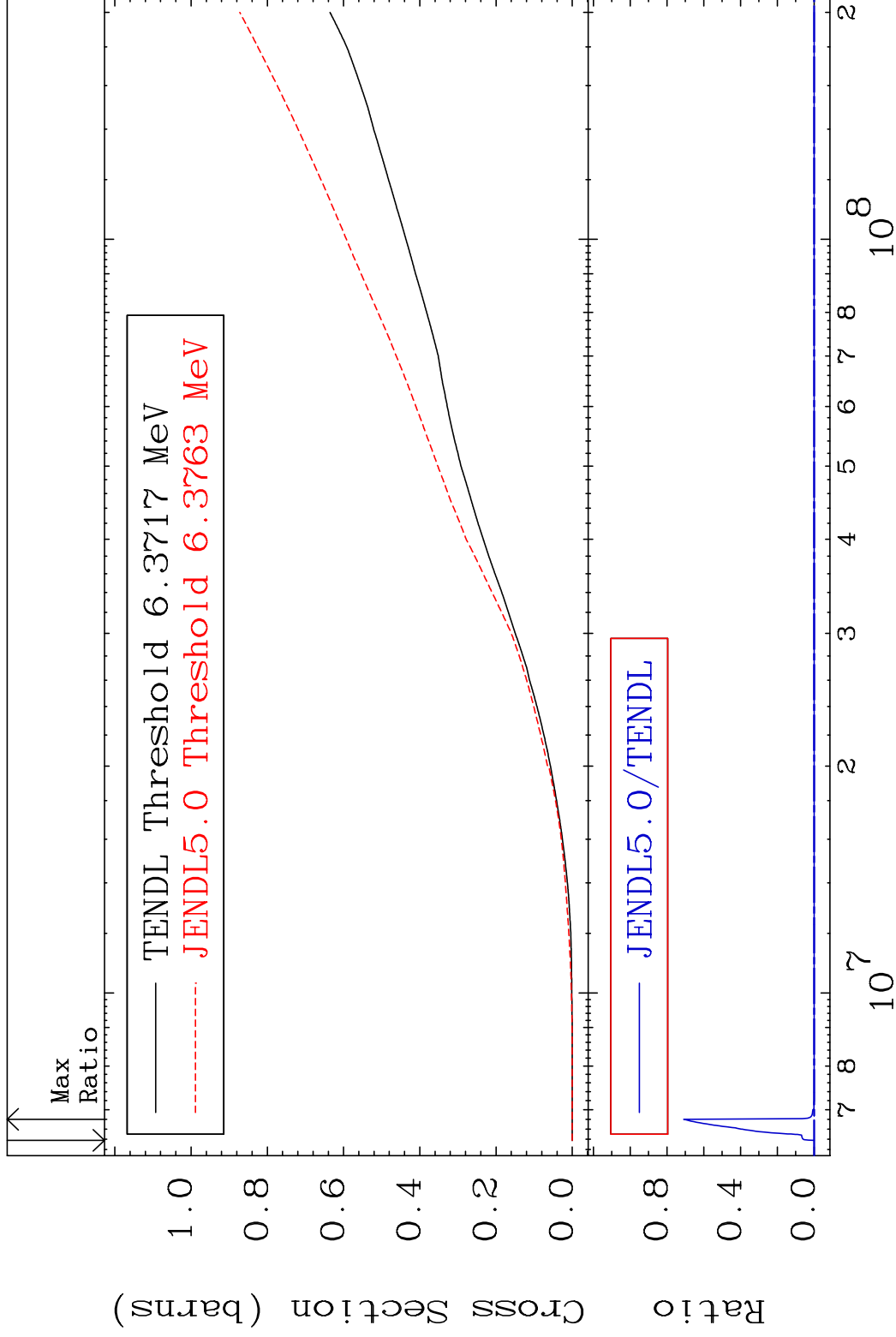
²⁴Cr-54

MAT 2437

Hydrogen Production

²⁴Cr-54

Cross Section -100.0 To 9999. %

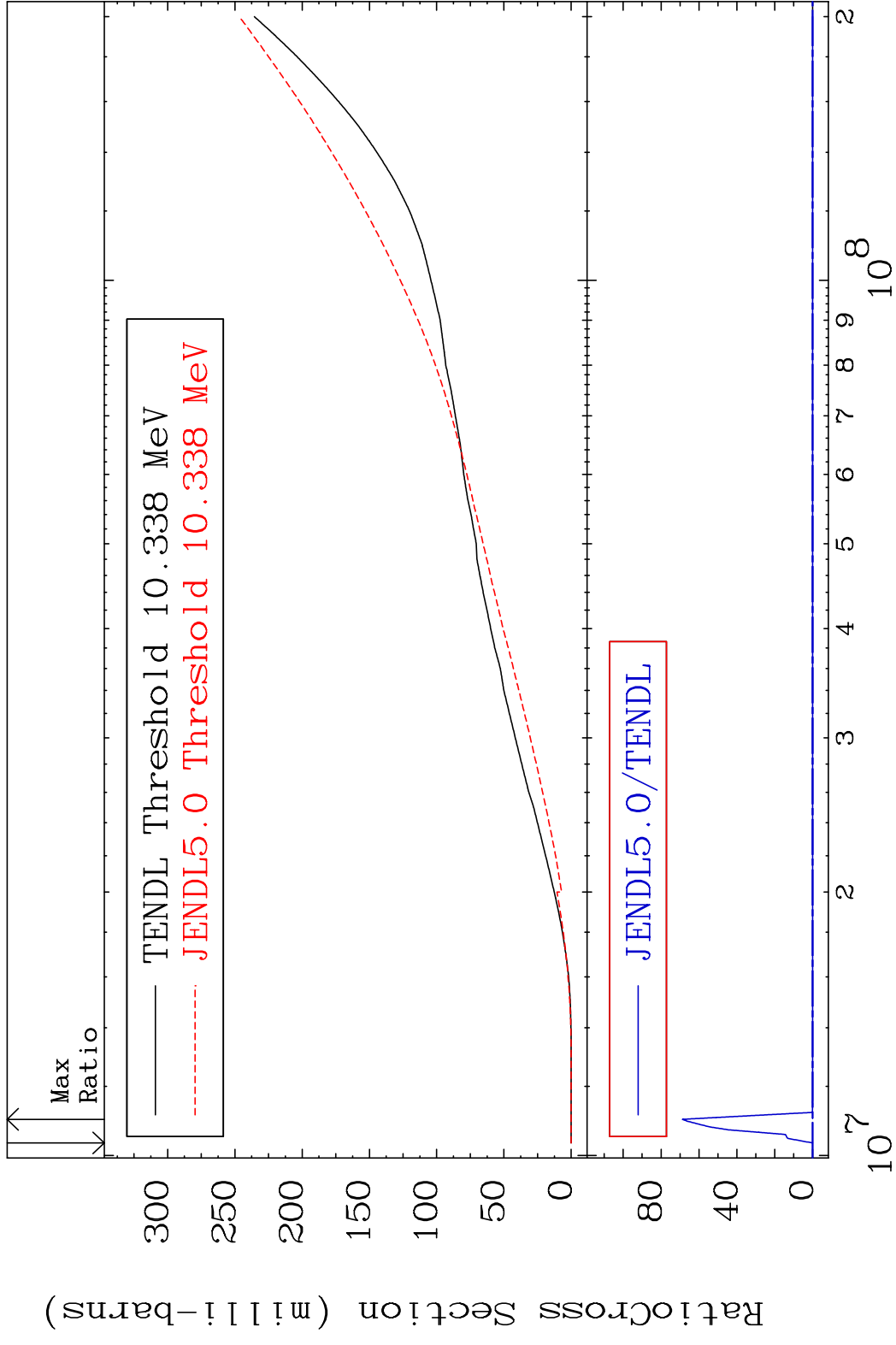


46

Incident Energy (eV)

²⁴Cr-54

MAT 2437 Deuterium Production 24-Cr-54
 Cross Section -100.0 To 9999. %



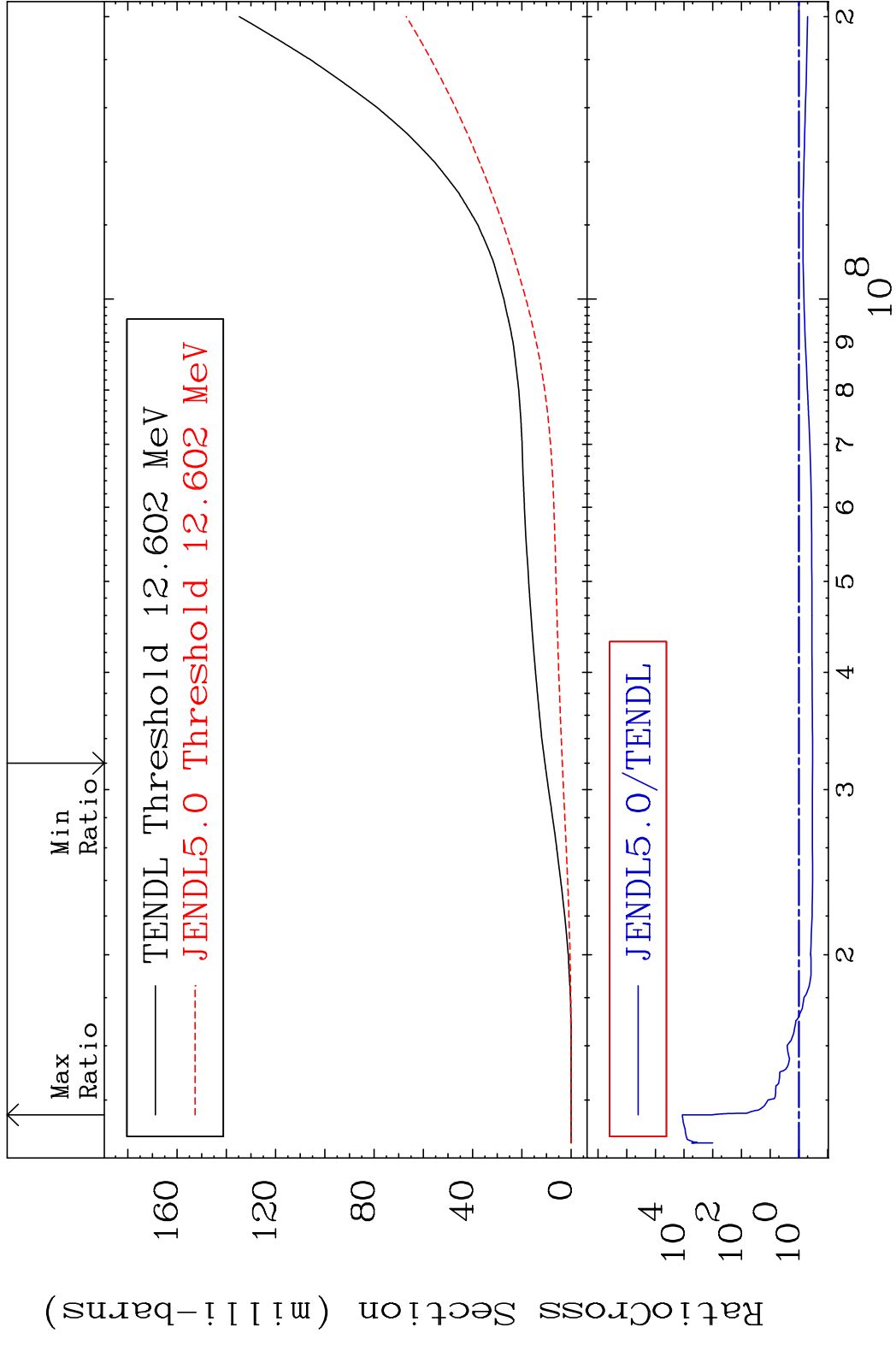
47 24-Cr-54

MAT 2437

Tritium Production

²⁴Cr-54

Cross Section -66.41 To 9999. %



48

Incident Energy (eV)

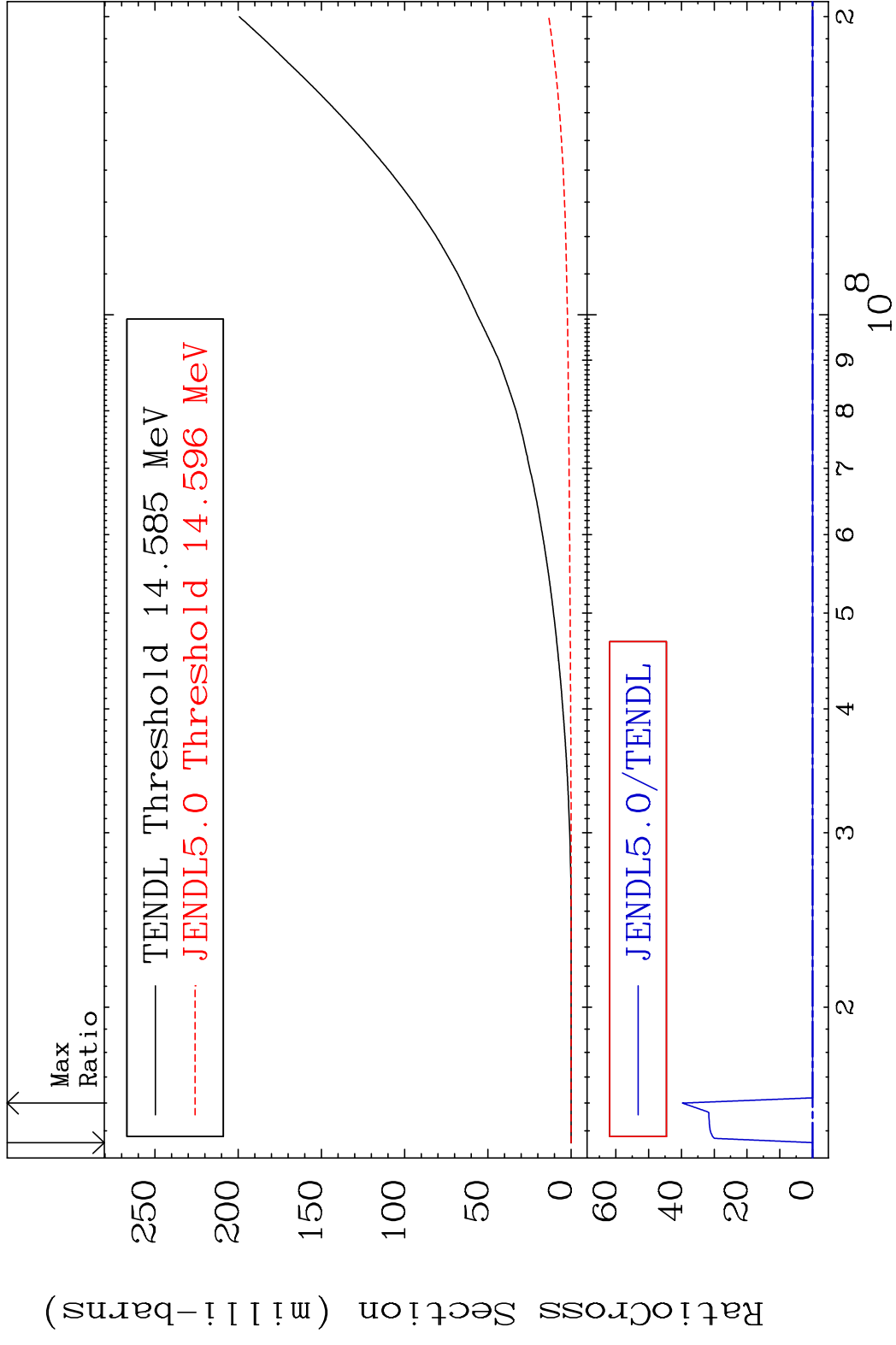
²⁴Cr-54

MAT 2437

He-3 Production

²⁴Cr-54

Cross Section -100.0 To 9999. %

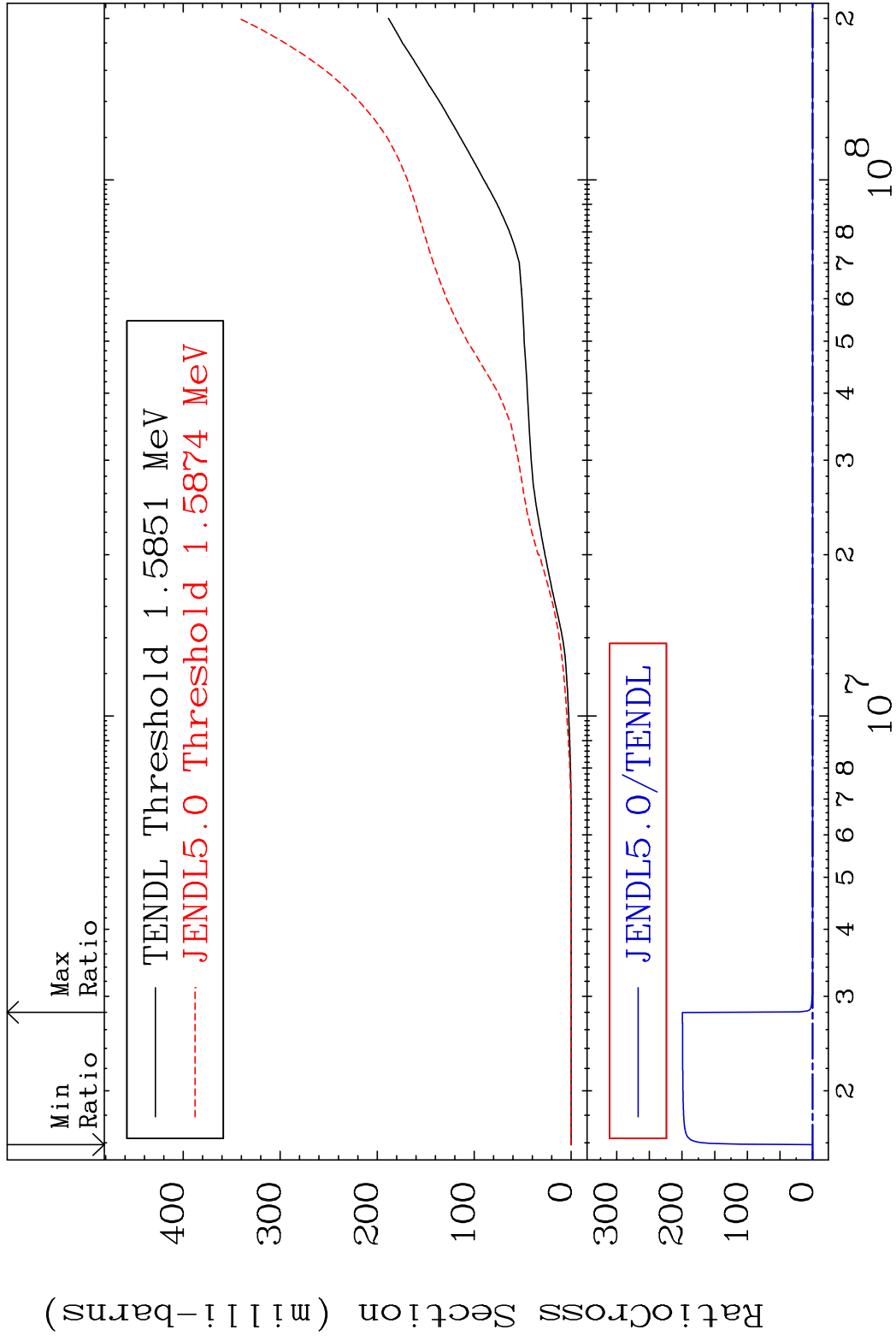


MAT 2437

He-4 Production

²⁴Cr-54

Cross Section -100.0 To 9999. %

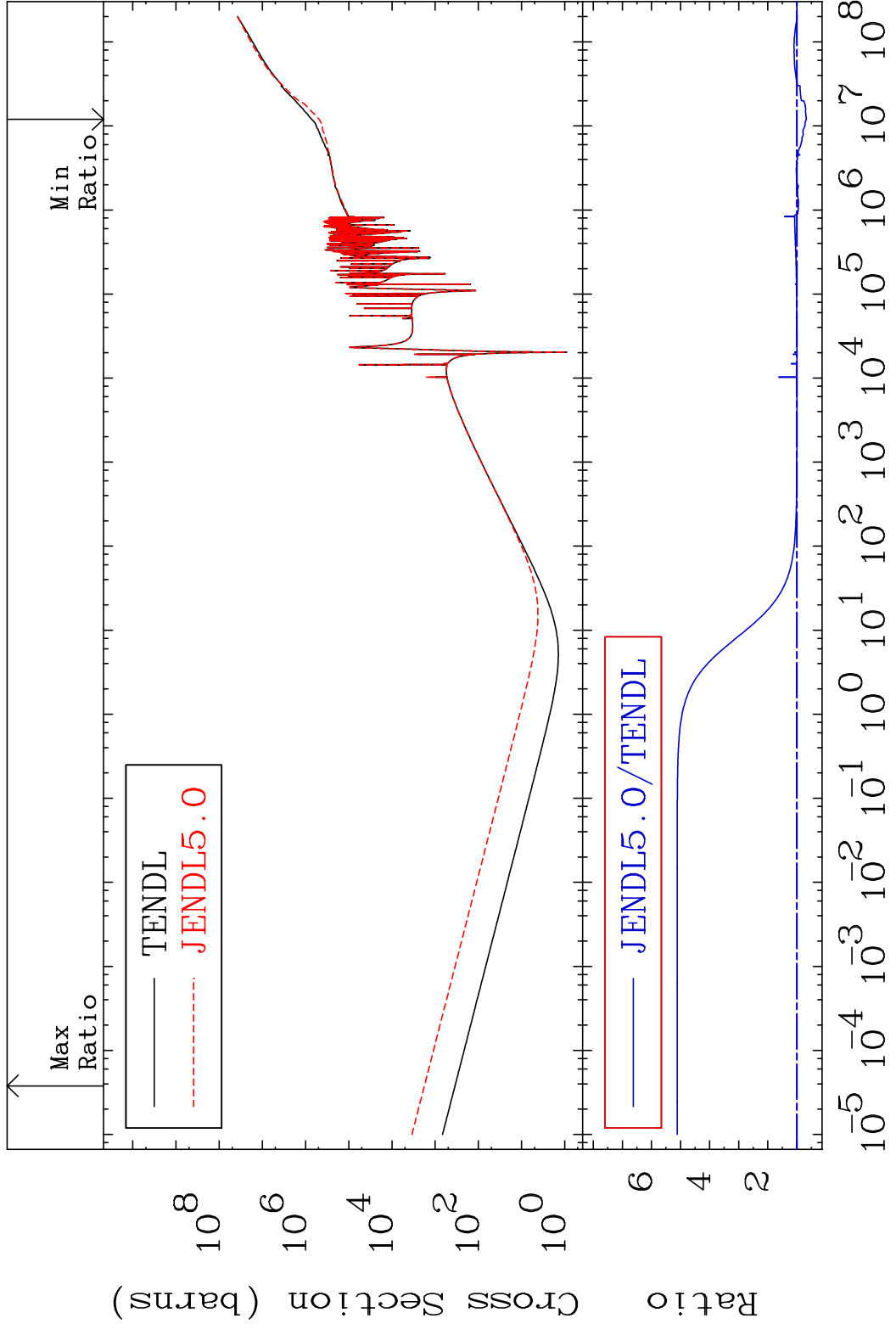


50

Incident Energy (eV)

²⁴Cr-54

MAT 2437 Kerma total (eV-barns) 24-Cr-54
 Cross Section -32.78 To 411.6 %

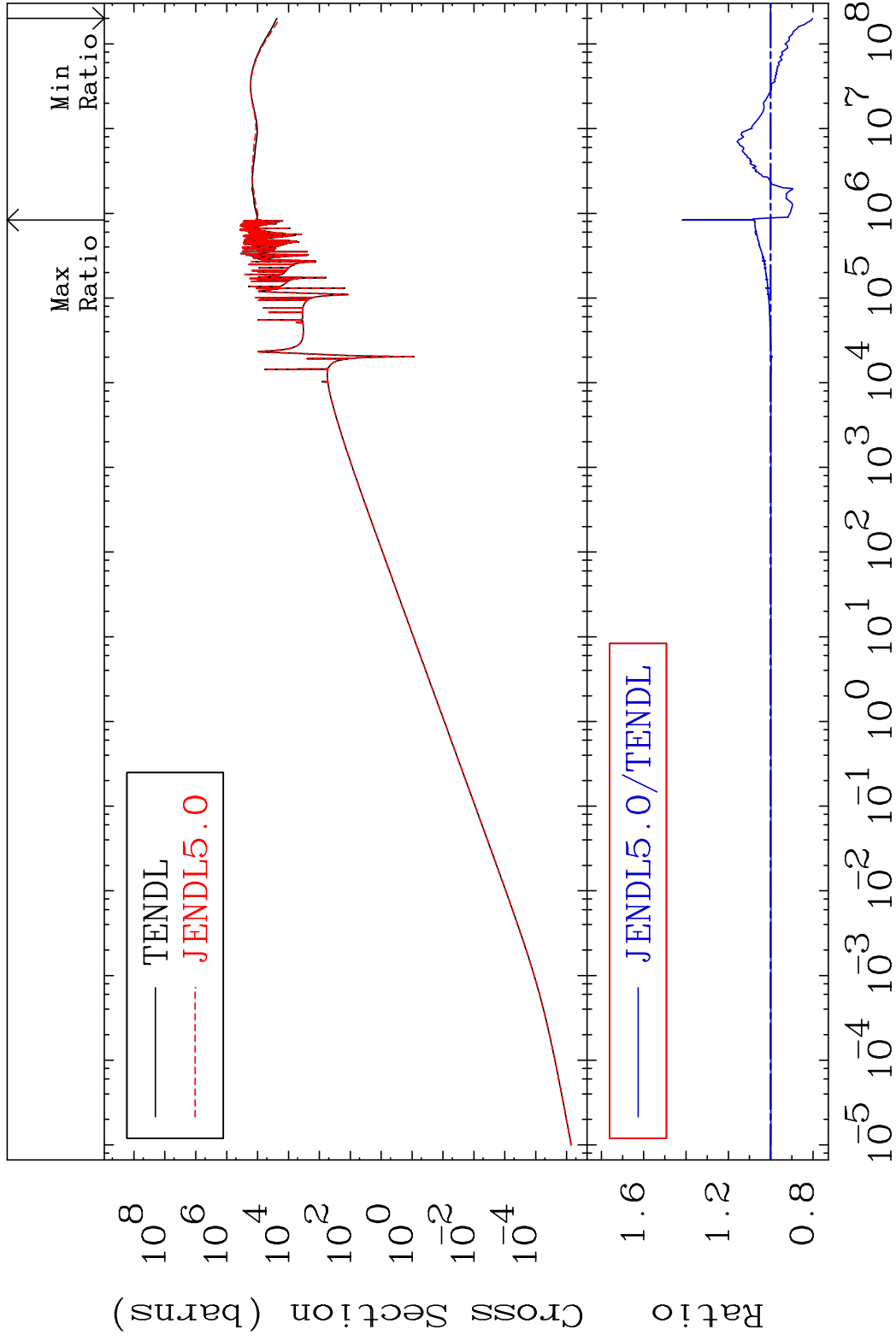


MAT 2437

Kerma elastic

24-Cr-54

Cross Section -19.77 To 41.75 %

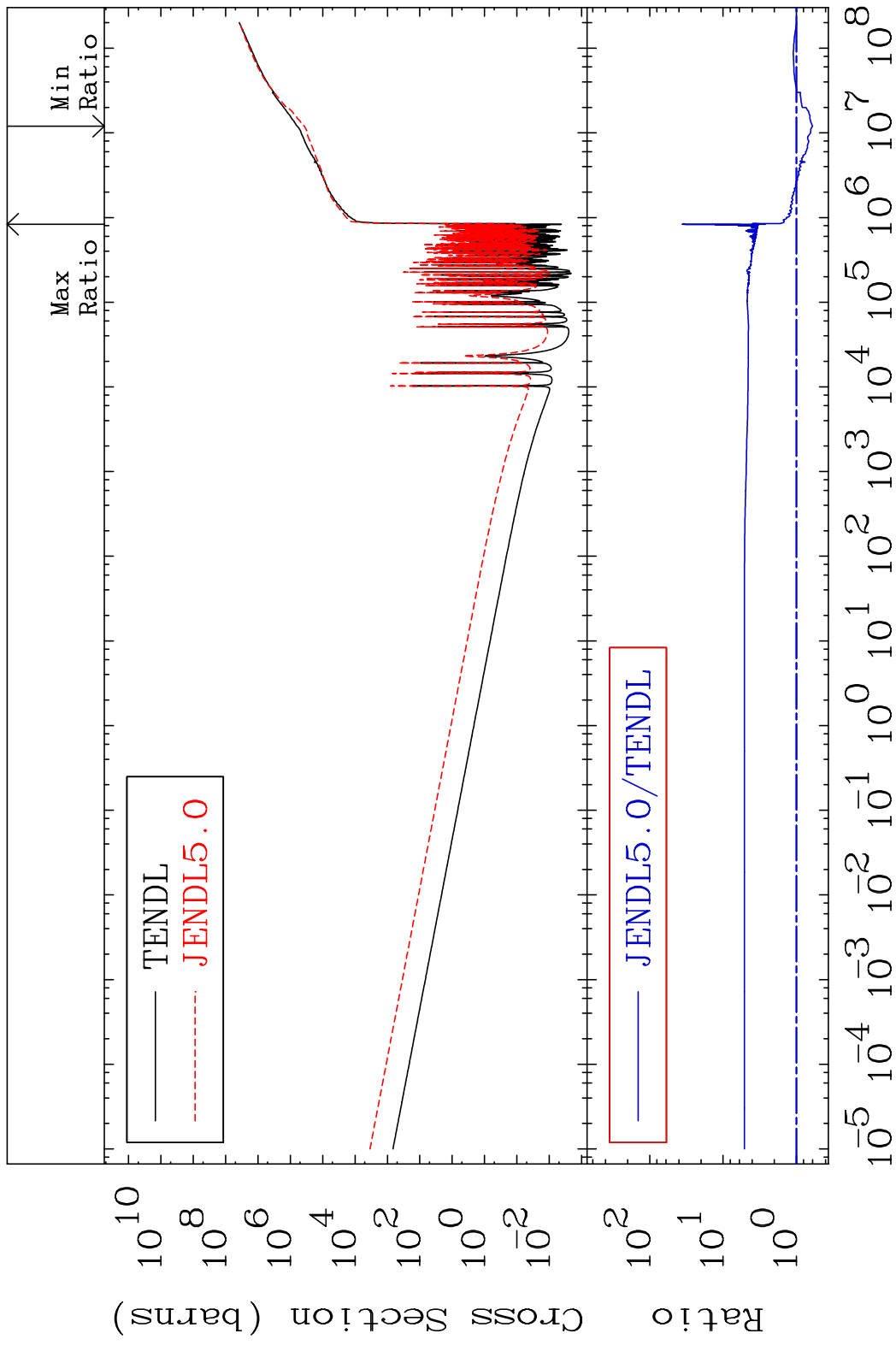


52

Incident Energy (eV)

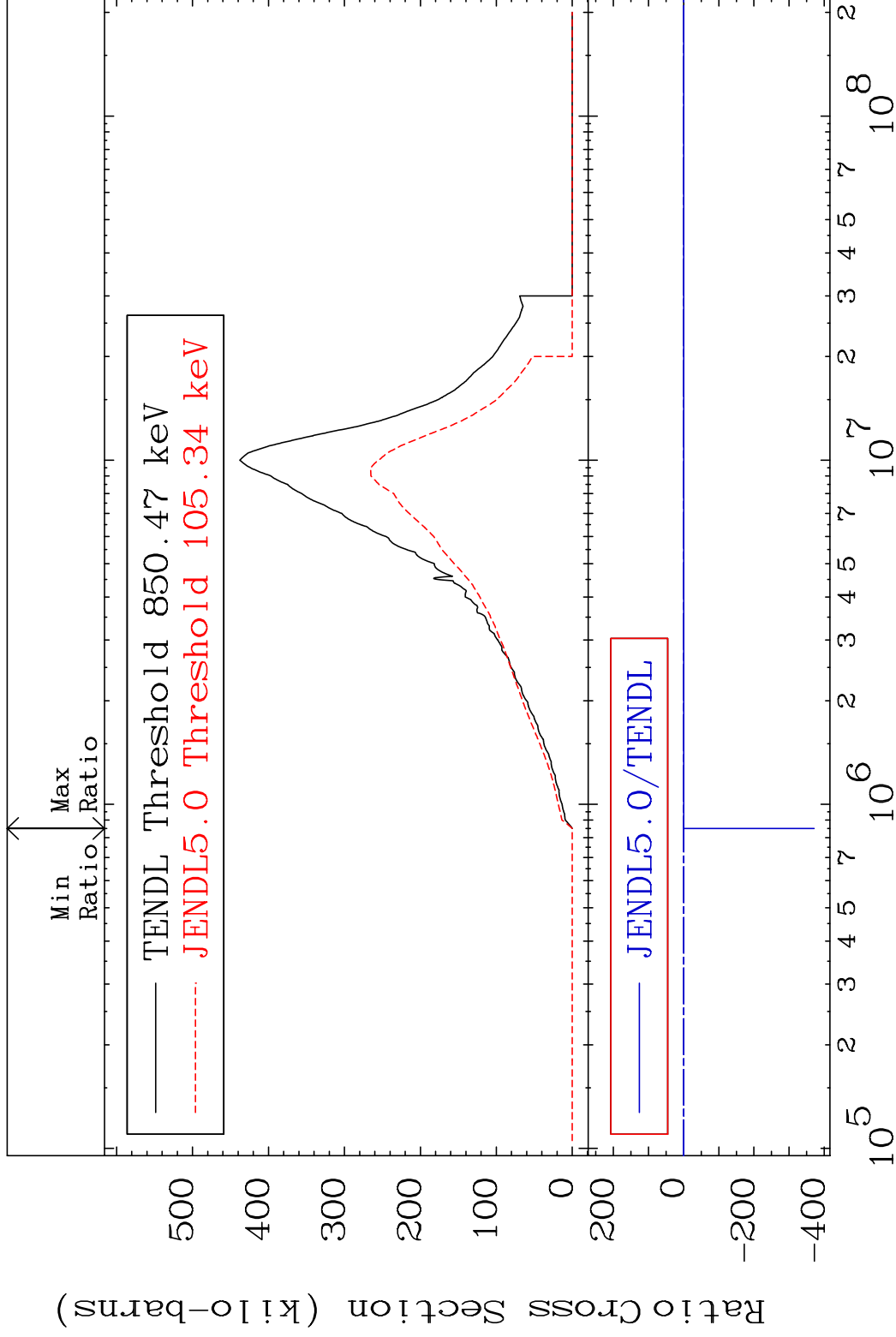
24-Cr-54

MAT 2437 Kerma non-elastic (all but mt2) 24-Cr-54
 Cross Section -39.78 To 3491. %



MAT 2437

Kerma inelastic (mt51-91) 24-Cr-54
Cross Section -9999. To 65.76 %

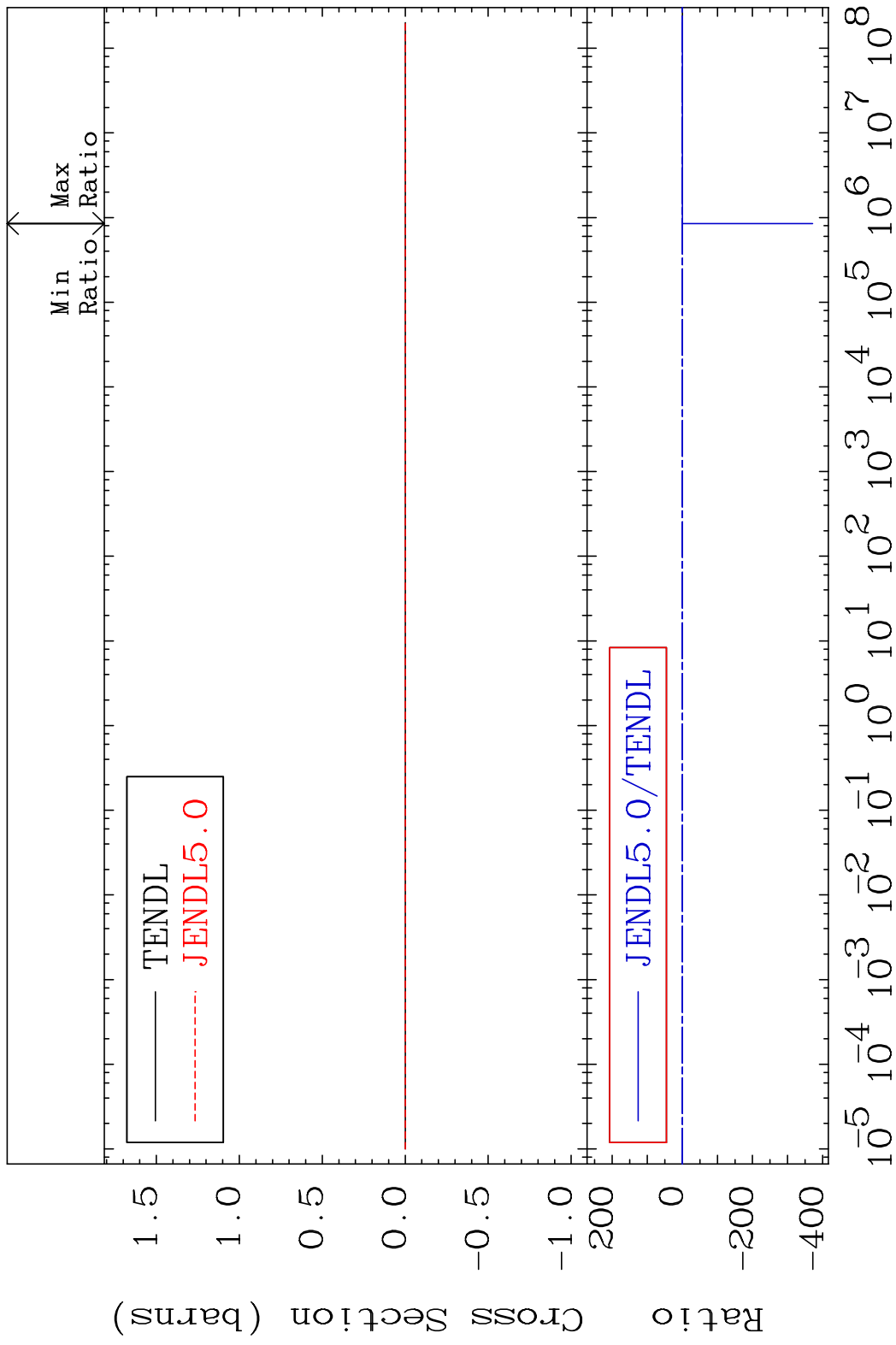


54

Incident Energy (eV)

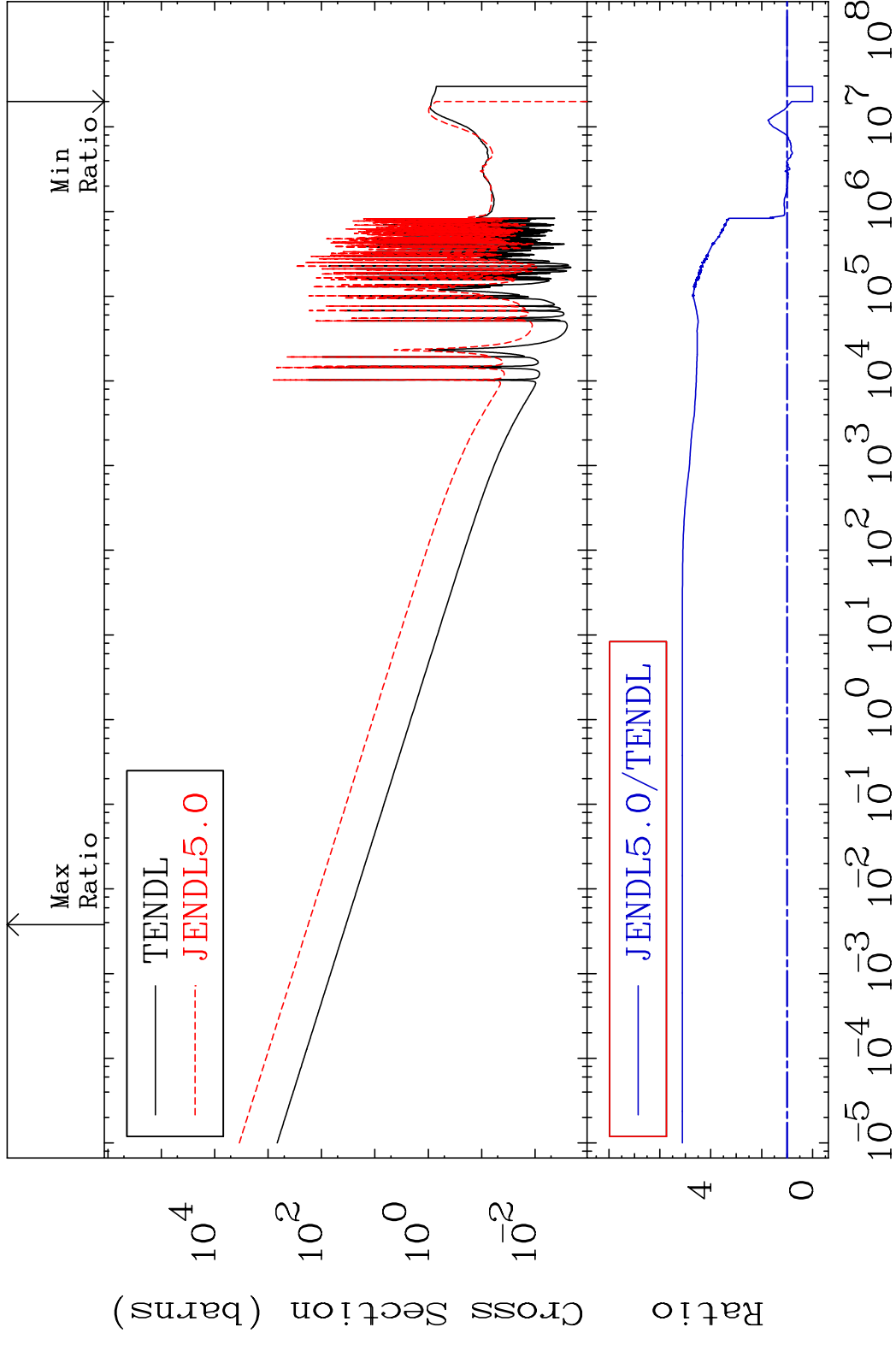
24-Cr-54

MAT 2437 Kerma fission (mt18 or mt19-20-21-38) 24-Cr-54
 Cross Section -9999. To 65.76 %



MAT 2437

Kerma capture (mt102) 24-Cr-54
Cross Section -100.0 To 411.6 %



56

Incident Energy (eV)

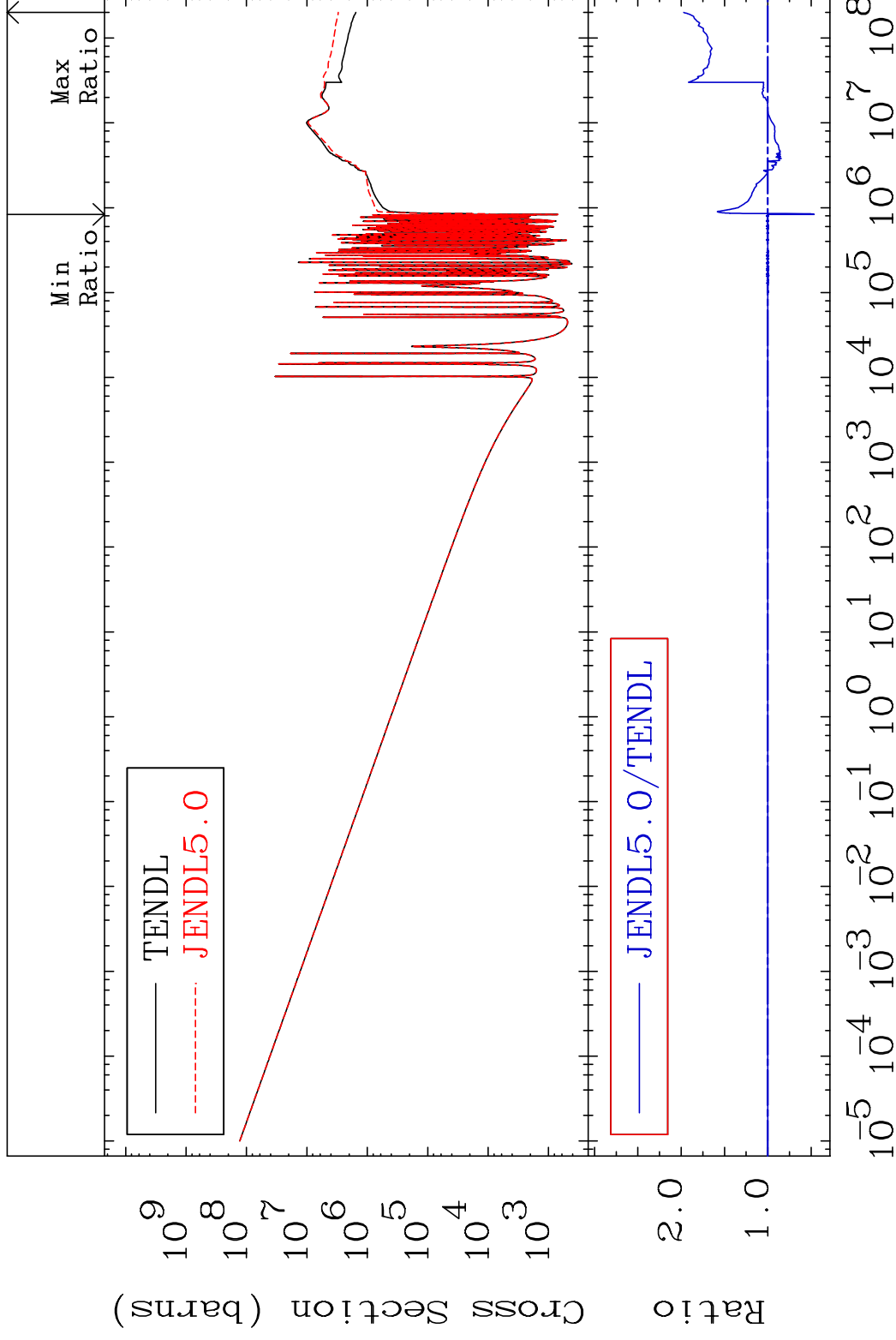
24-Cr-54

MAT 2437

Total photon (eV-barns)

24-Cr-54

Cross Section -53.44 To 97.12 %

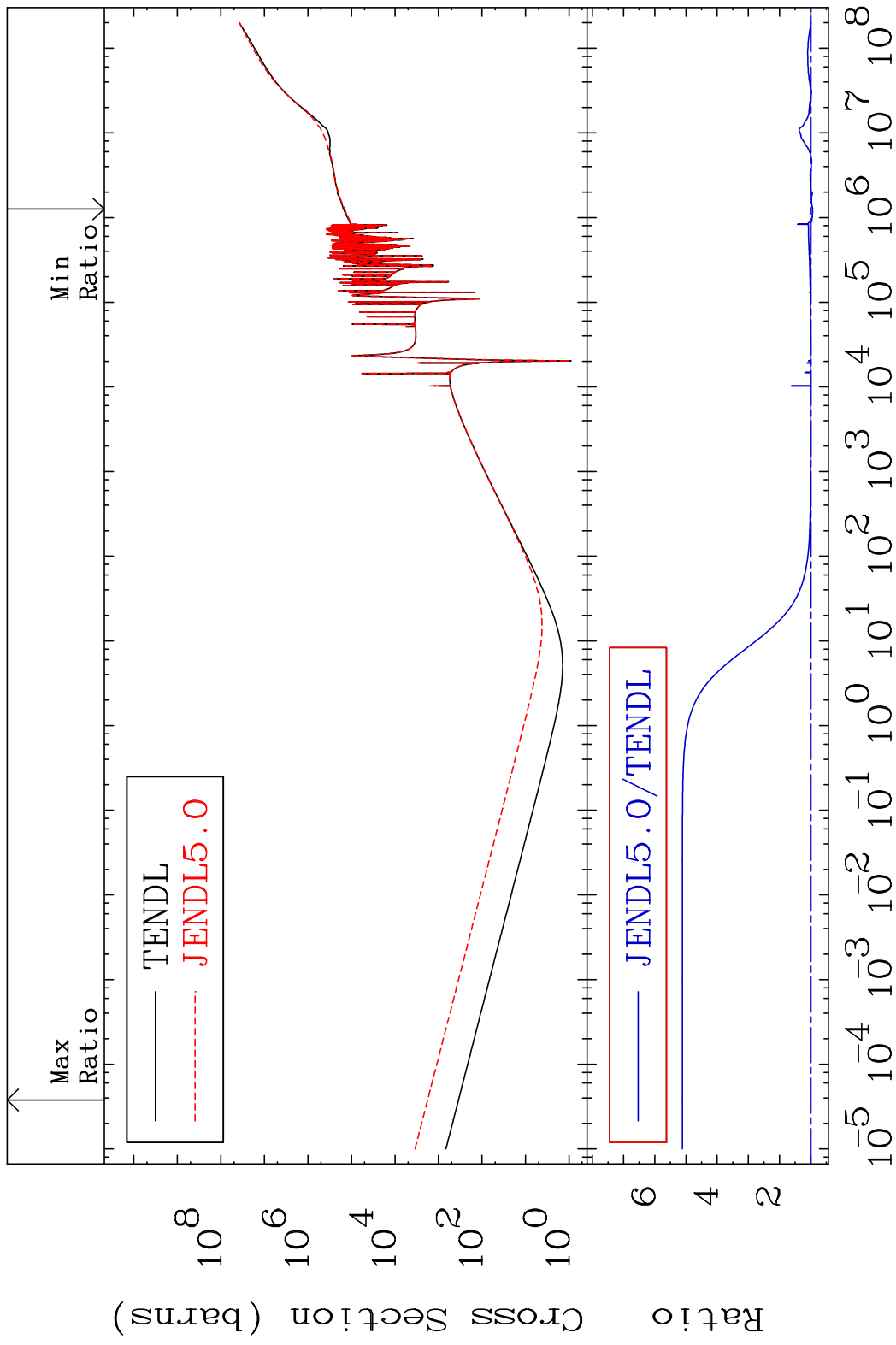


57

Incident Energy (eV)

24-Cr-54

MAT 2437 Total kinematic kerma (high limit) 24-Cr-54
 Cross Section -5.893 To 411.6 %

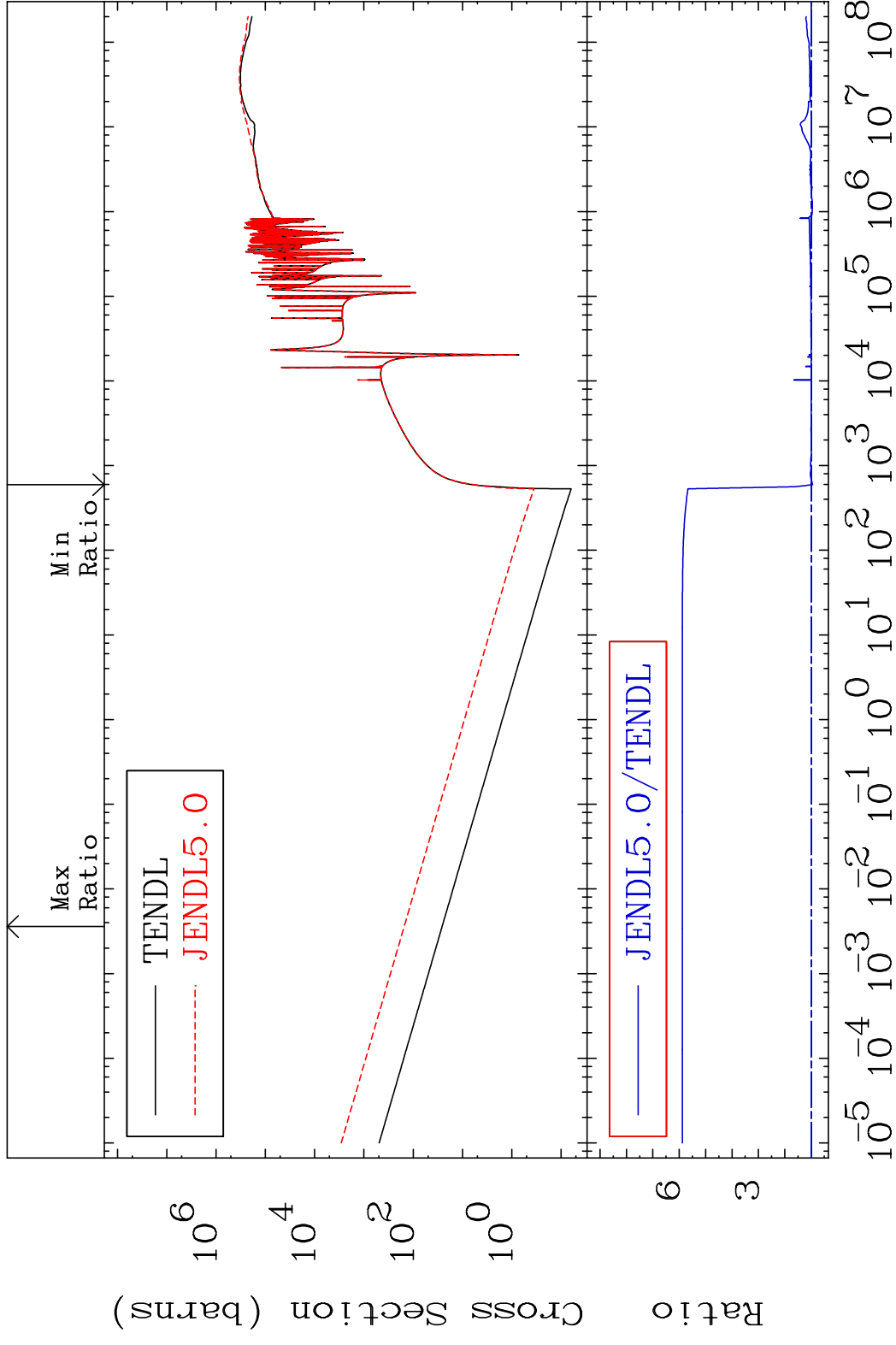


MAT 2437

Dpa total (eV-barns)

24-Cr-54

Cross Section -5.367 To 488.2 %



59

Incident Energy (eV)

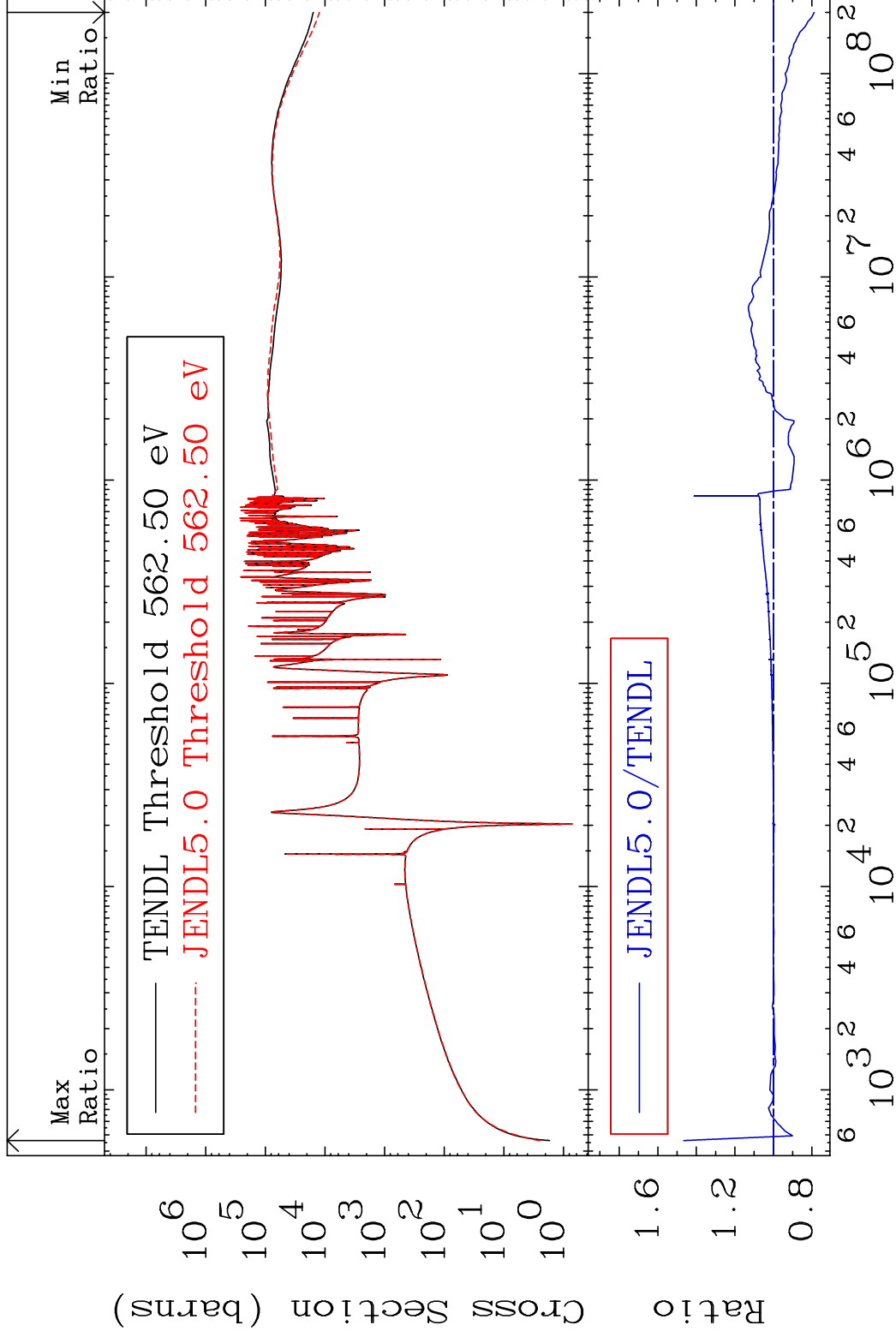
24-Cr-54

MAT 2437

Dpa elastic (mt2)

²⁴Cr-54

Cross Section -21.11 To 46.57 %



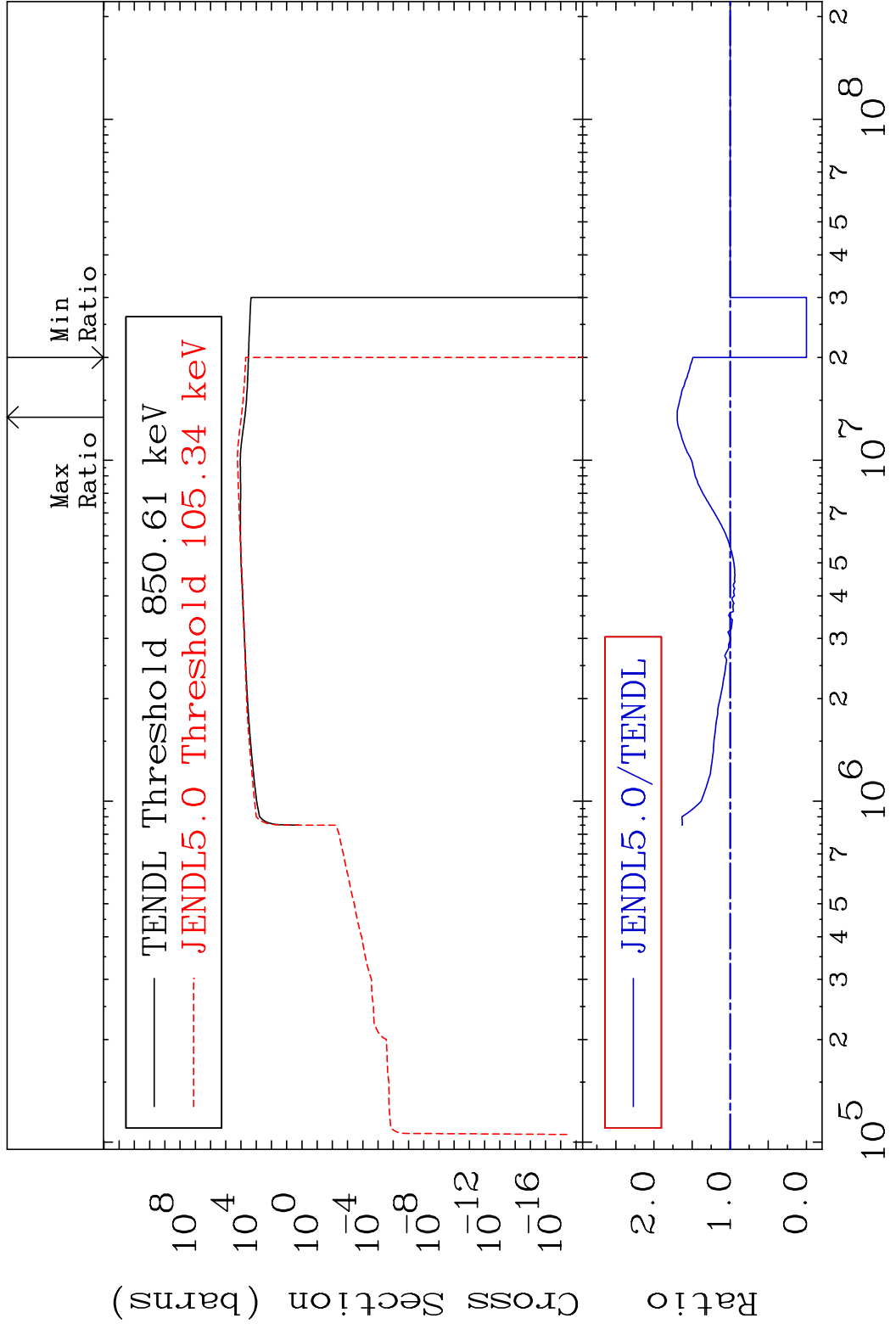
60

Incident Energy (eV)

²⁴Cr-54

MAT 2437

Dpa inelastic (mt51-91) 24-Cr-54
Cross Section -100.0 To 69.52 %

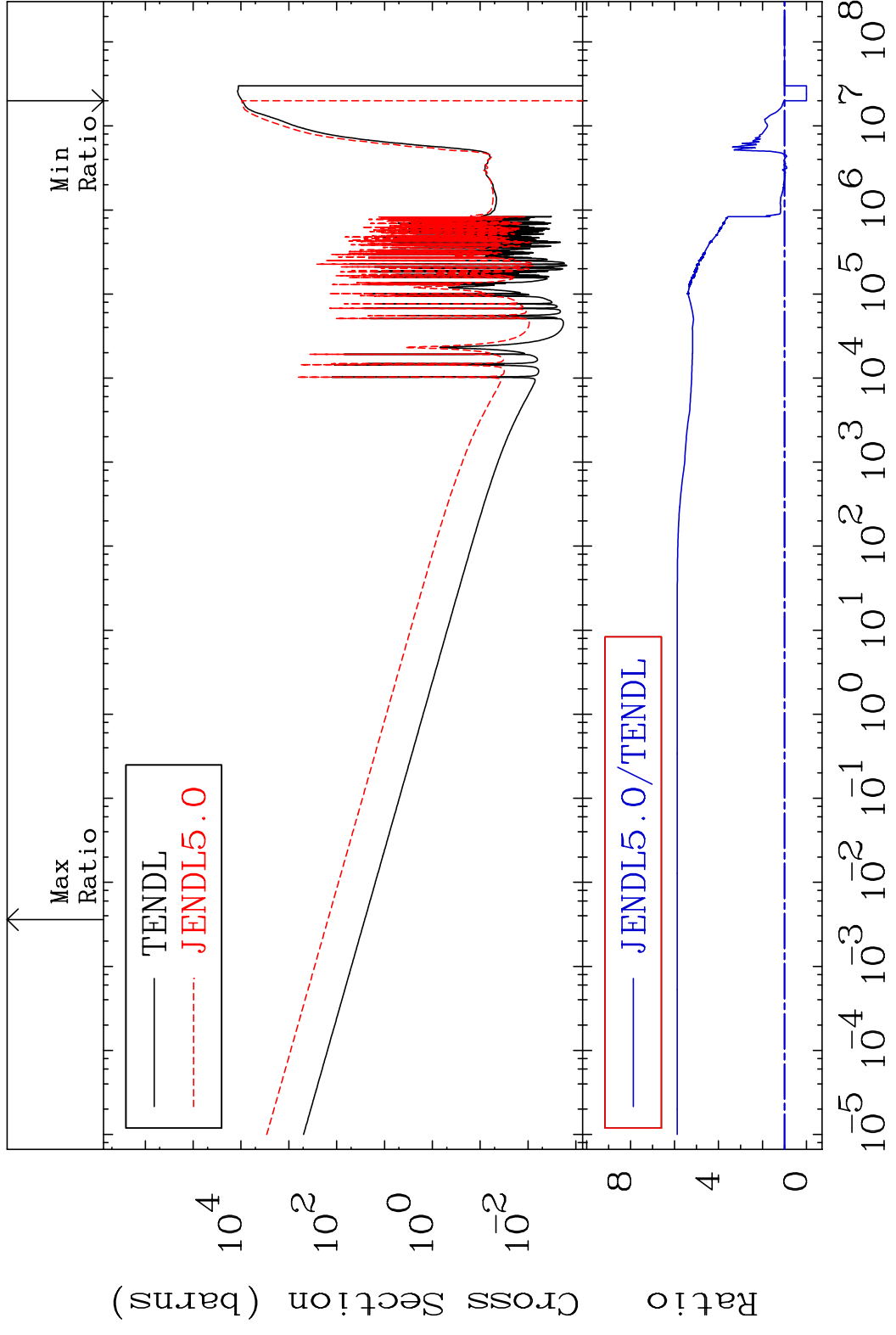


61

Incident Energy (eV)

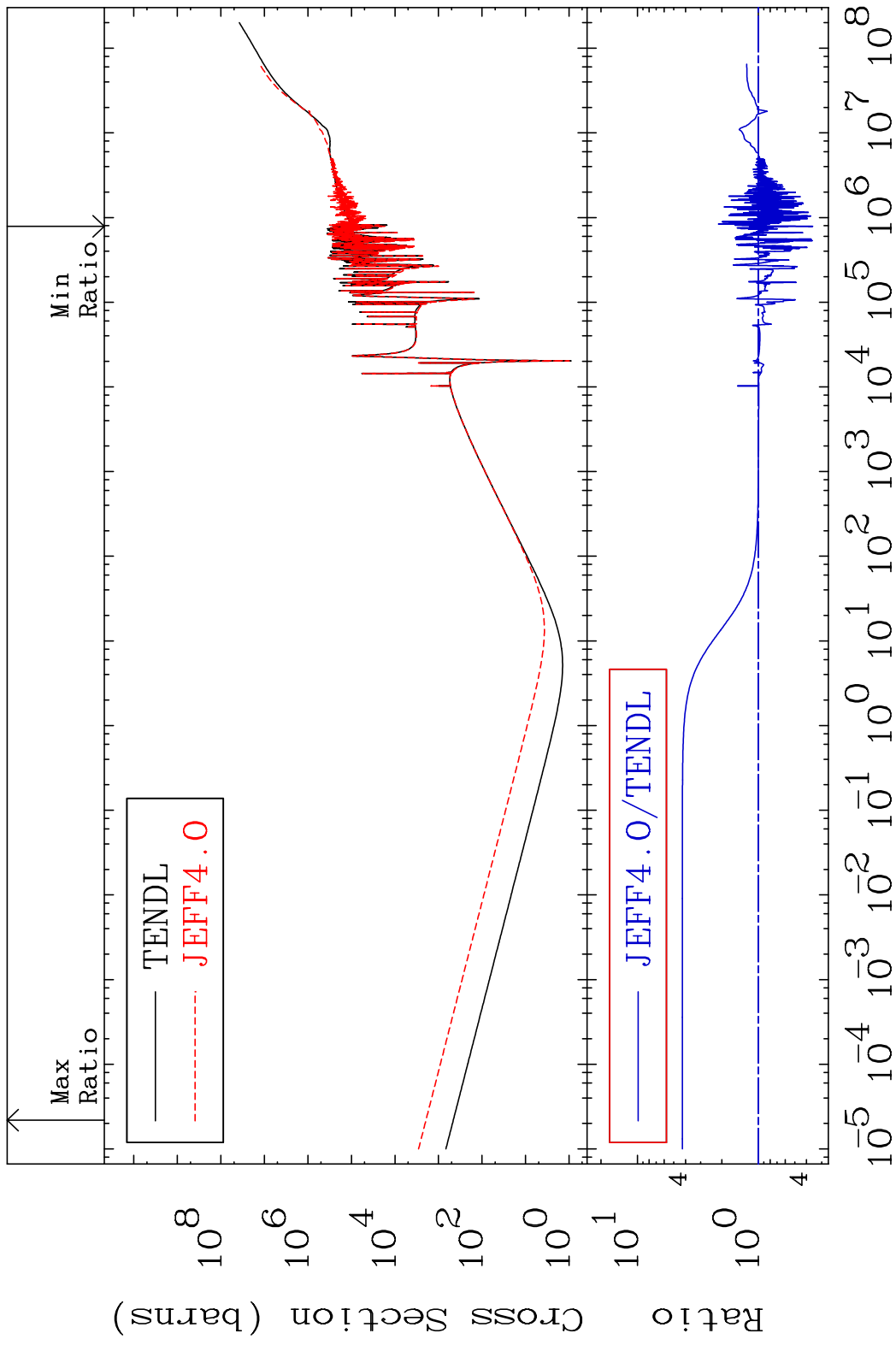
24-Cr-54

MAT 2437 Dpa disappearance (mt102 -120) 24-Cr-54
 Cross Section -100.0 To 488.2 %

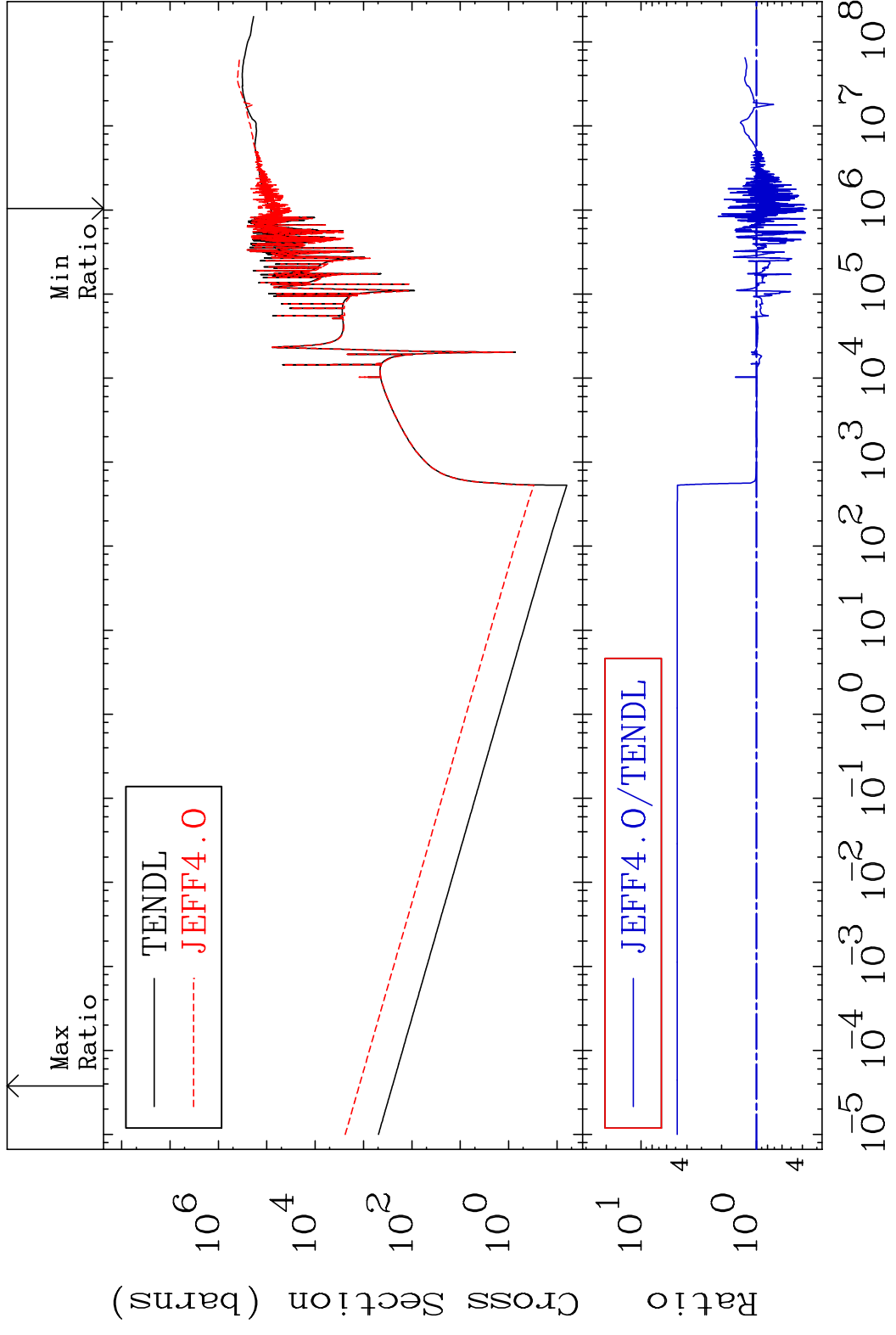


62 Incident Energy (eV) 24-Cr-54

MAT 2437 Total kinematic kerma (high limit) 24-Cr-54
Cross Section -64.35 To 324.8 %



MAT 2437 Dpa total (eV-barns) 24-Cr-54
 Cross Section -63.12 To 385.7 %



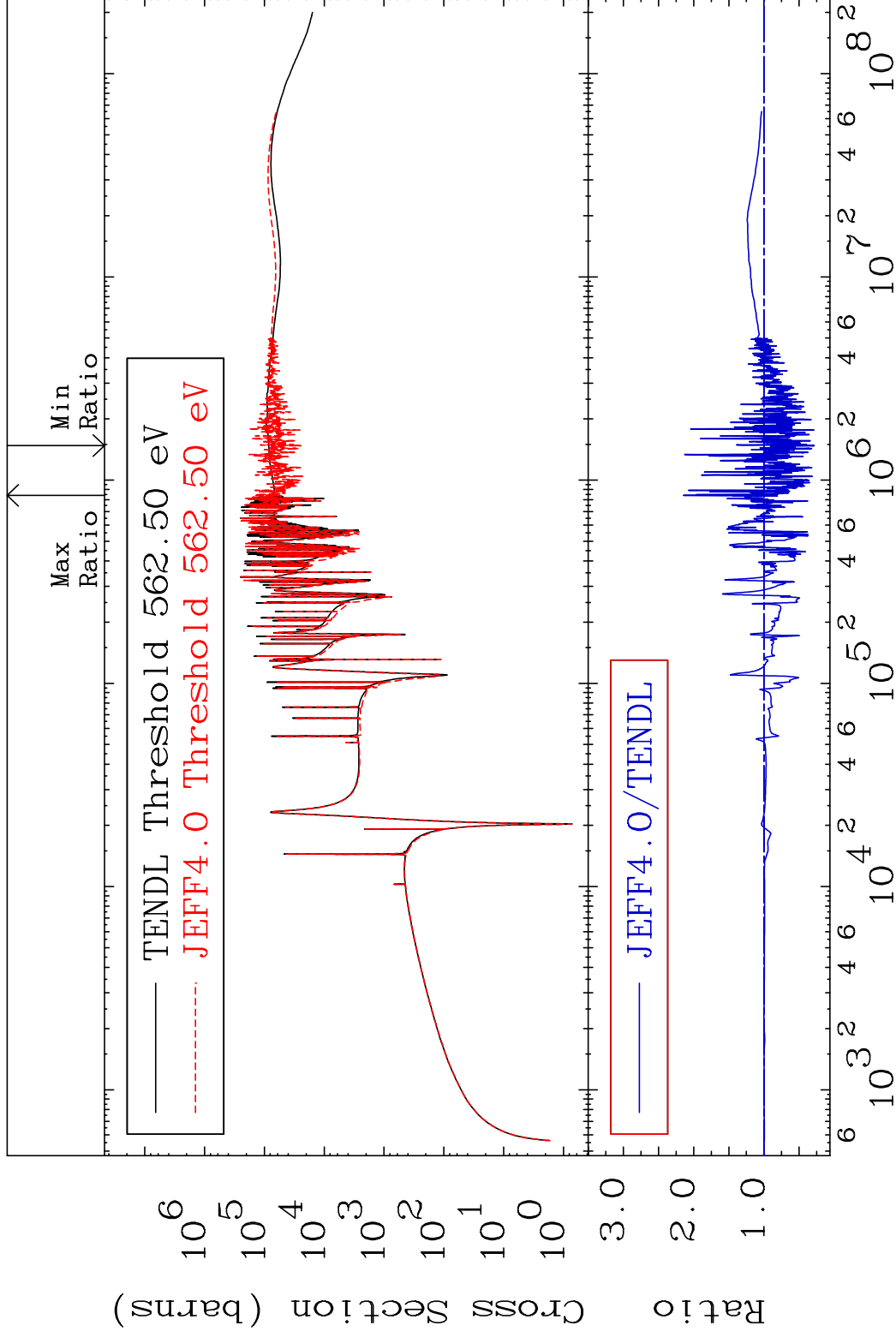
64 Incident Energy (eV) 24-Cr-54

MAT 2437

Dpa elastic (mt2)

²⁴Cr-54

Cross Section -71.34 To 114.3 %

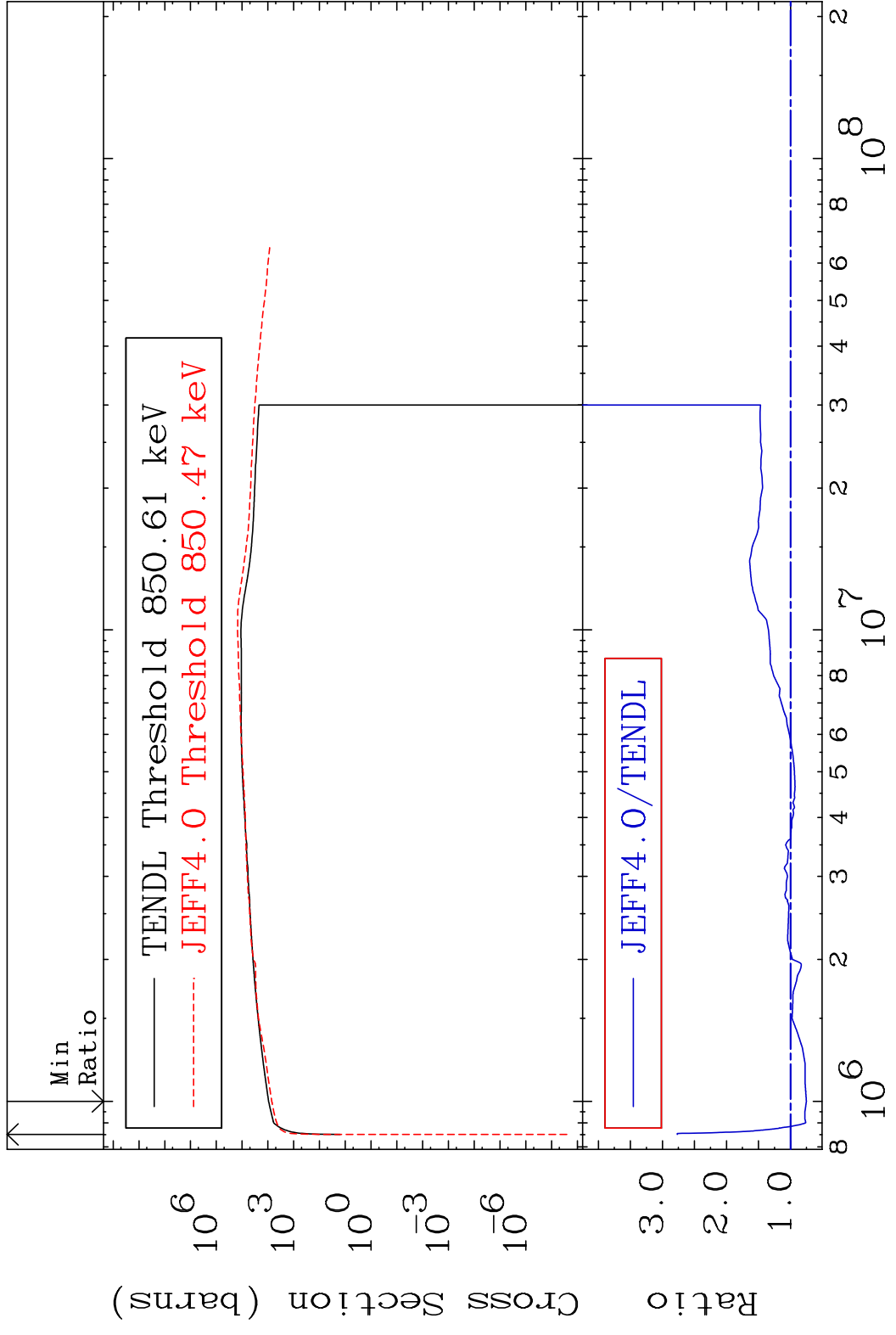


65

Incident Energy (eV)

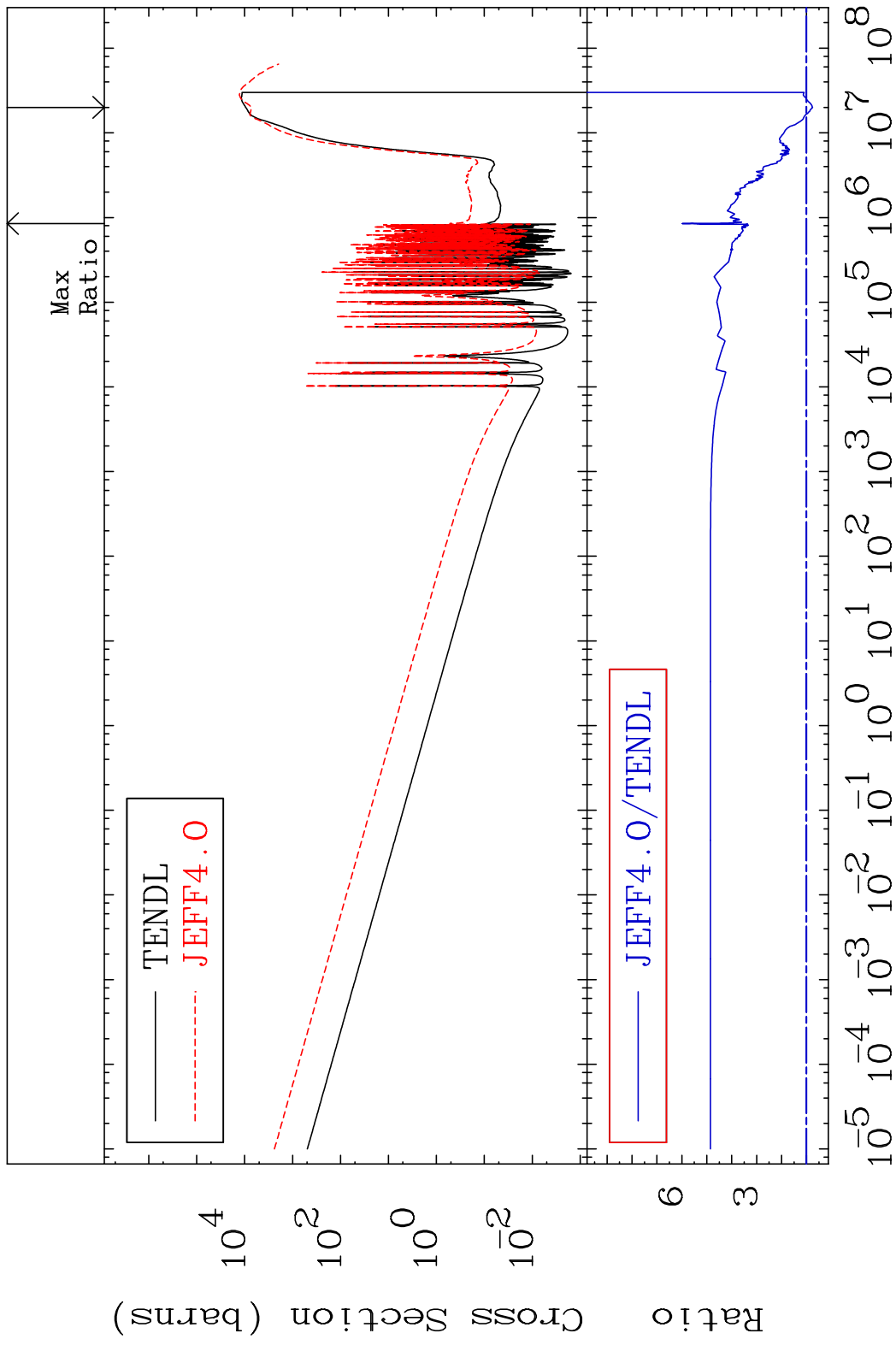
²⁴Cr-54

MAT 2437 Dpa inelastic (mt51-91) 24-Cr-54
 Cross Section -24.83 To 176.9 %



66 Incident Energy (eV) 24-Cr-54

MAT 2437 Dpa disappearance (mt102 -120) 24-Cr-54
 Cross Section -24.29 To 498.0 %



67 Incident Energy (eV) 24-Cr-54

