

Program Complot
(Version 2021-1)

by

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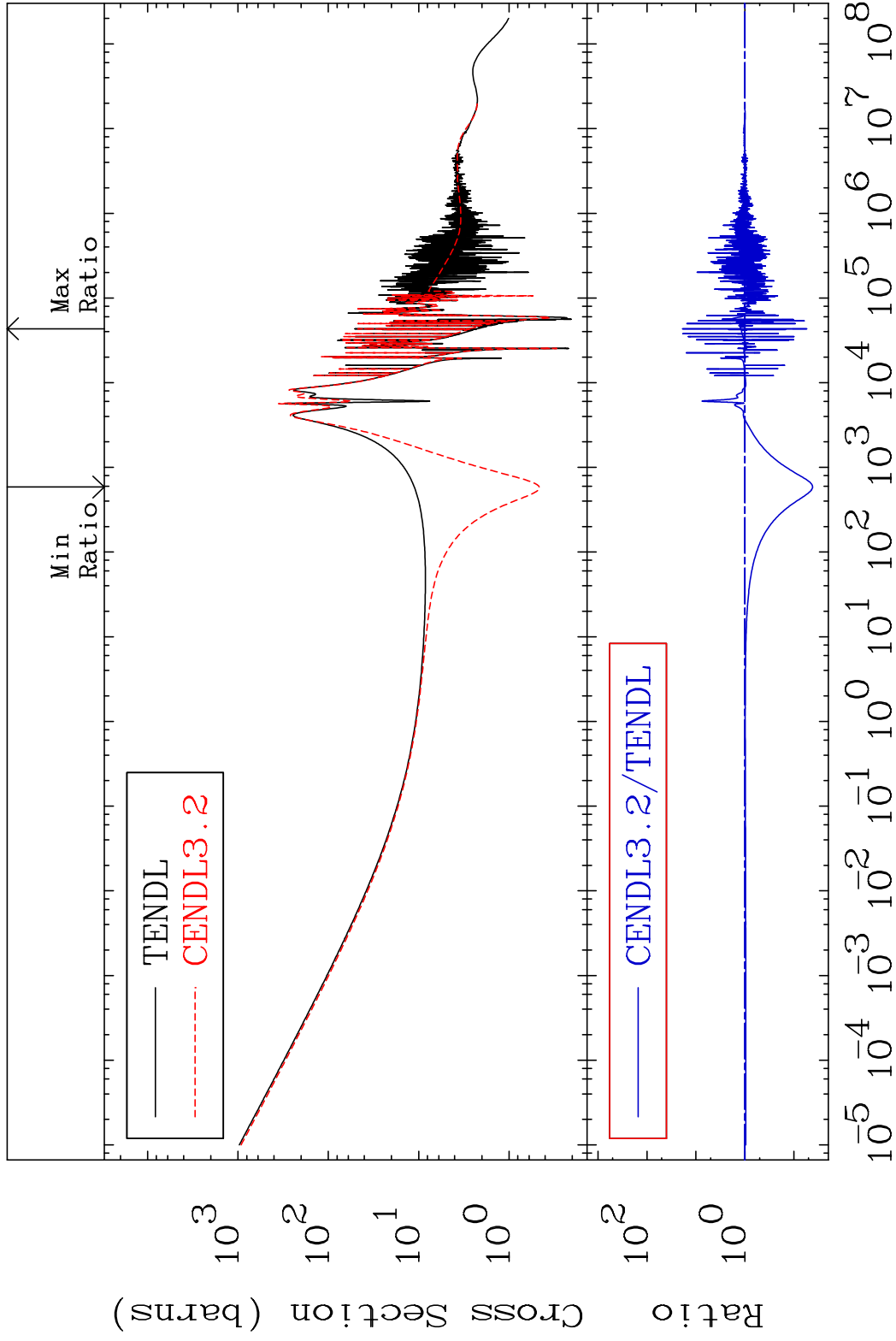
Press Mouse Button to Start

MAT 2434

Total

24-Cr-53

Cross Section -95.86 To 1790. %



1

Incident Energy (eV)

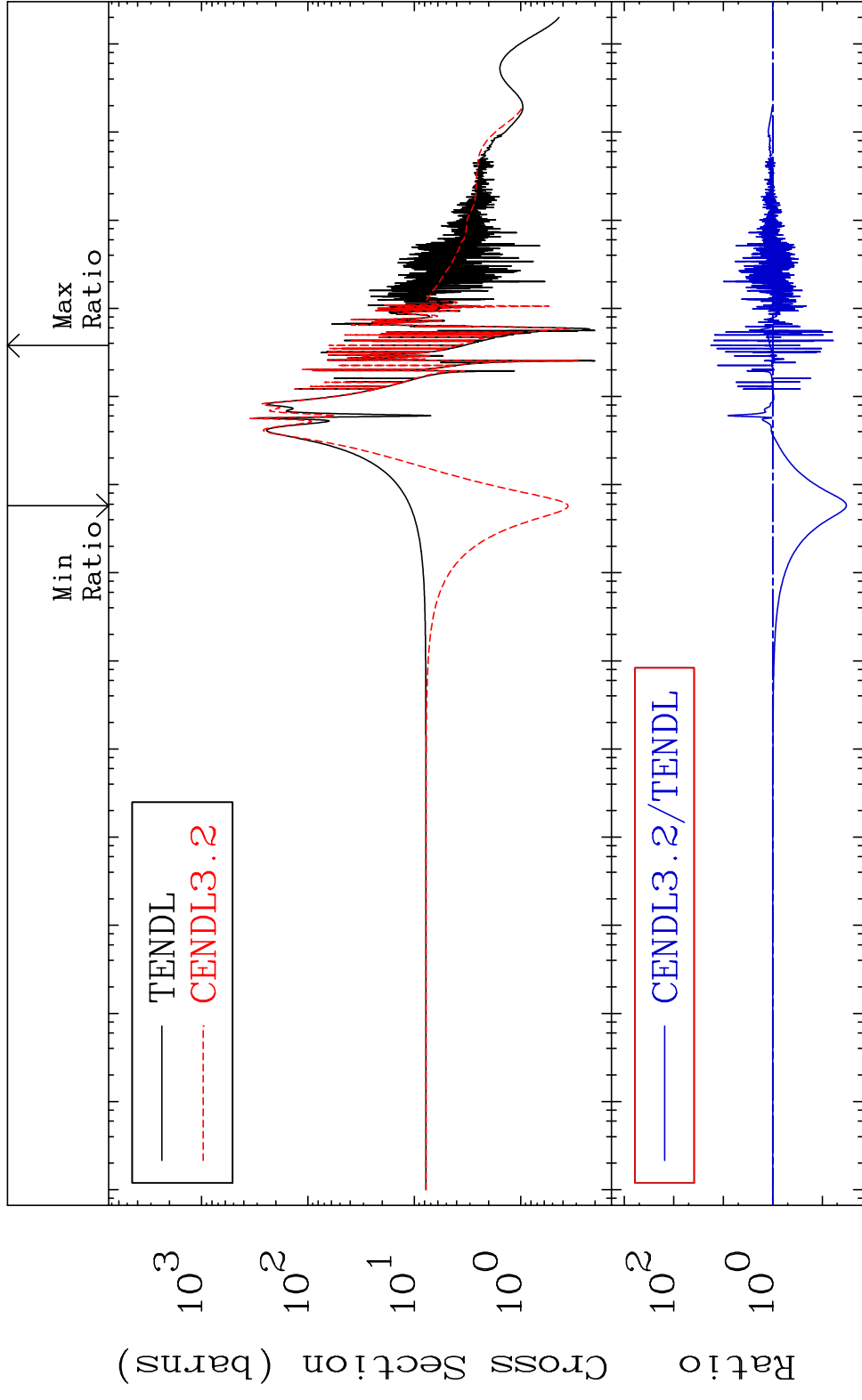
24-Cr-53

MAT 2434

Elastic

24-Cr-53

Cross Section -96.73 To 1695. %



Incident Energy (eV)

2

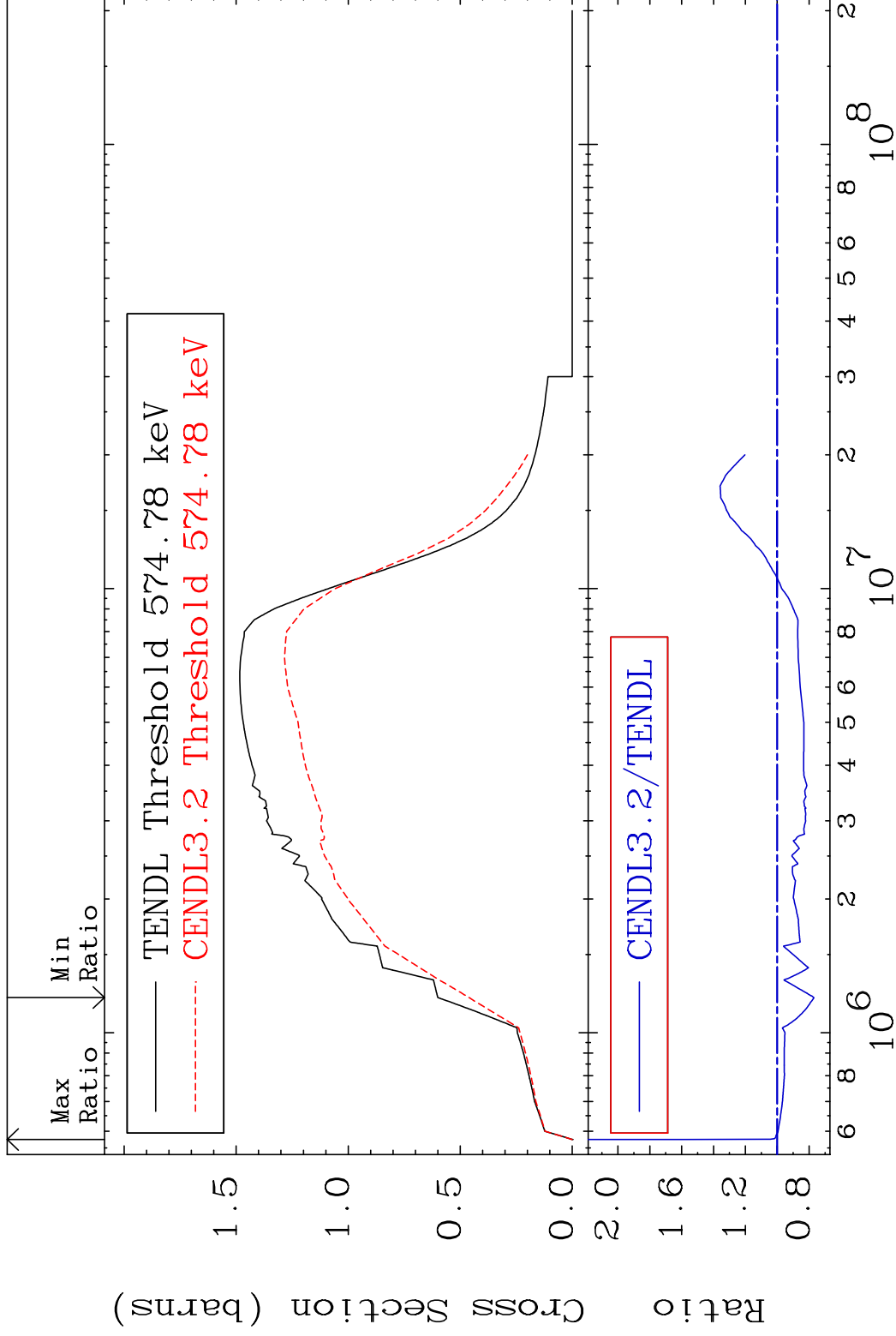
24-Cr-53

MAT 2434

Inelastic

²⁴Cr-53

Cross Section -23.13 To 58.74 %



3

Incident Energy (eV)

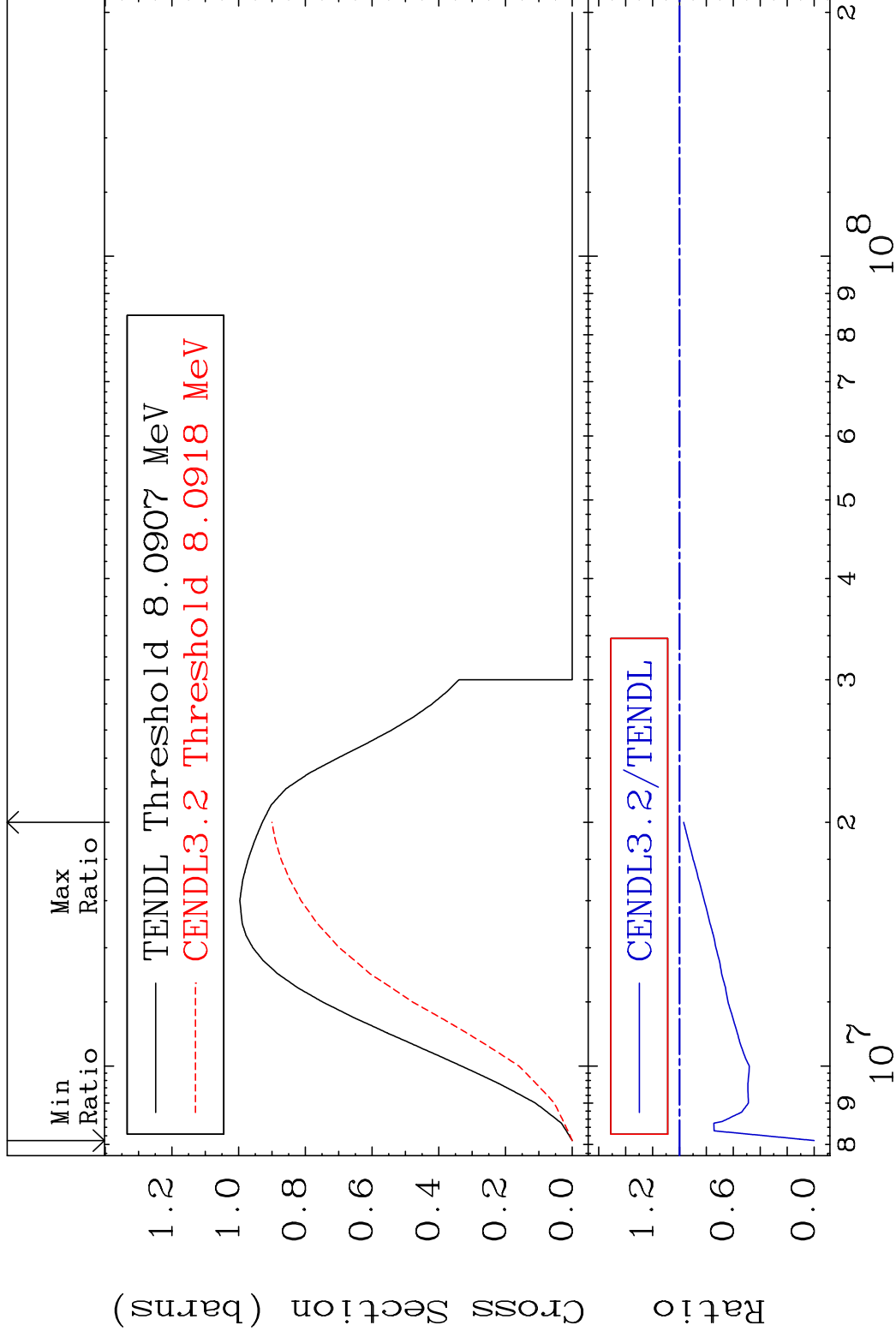
²⁴Cr-53

MAT 2434

(n,2n)

24-Cr-53

Cross Section -100.0 To -3.087%



4

Incident Energy (eV)

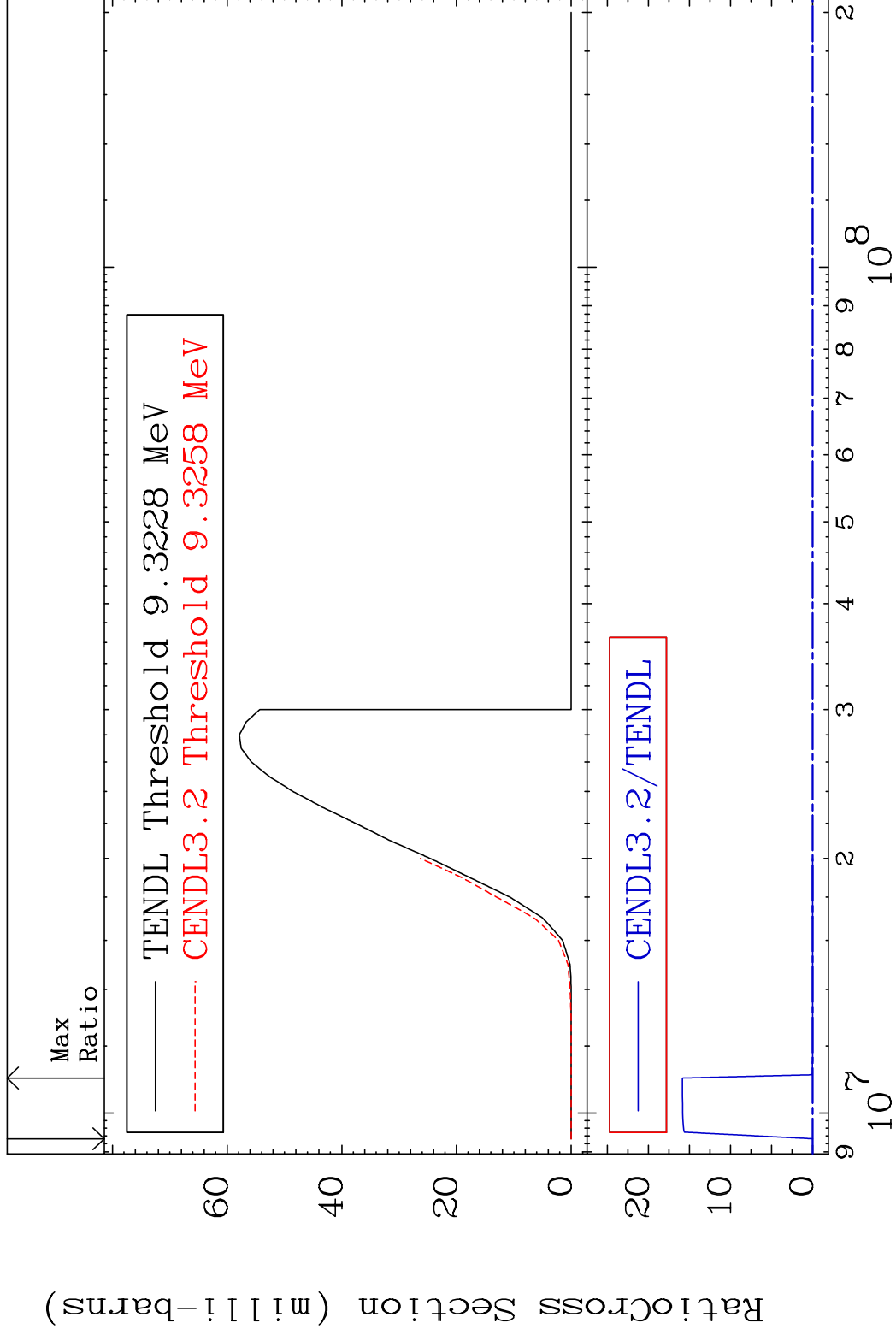
24-Cr-53

MAT 2434

(n, n') α

²⁴Cr-53

Cross Section -100.0 To 9999. %



5

Incident Energy (eV)

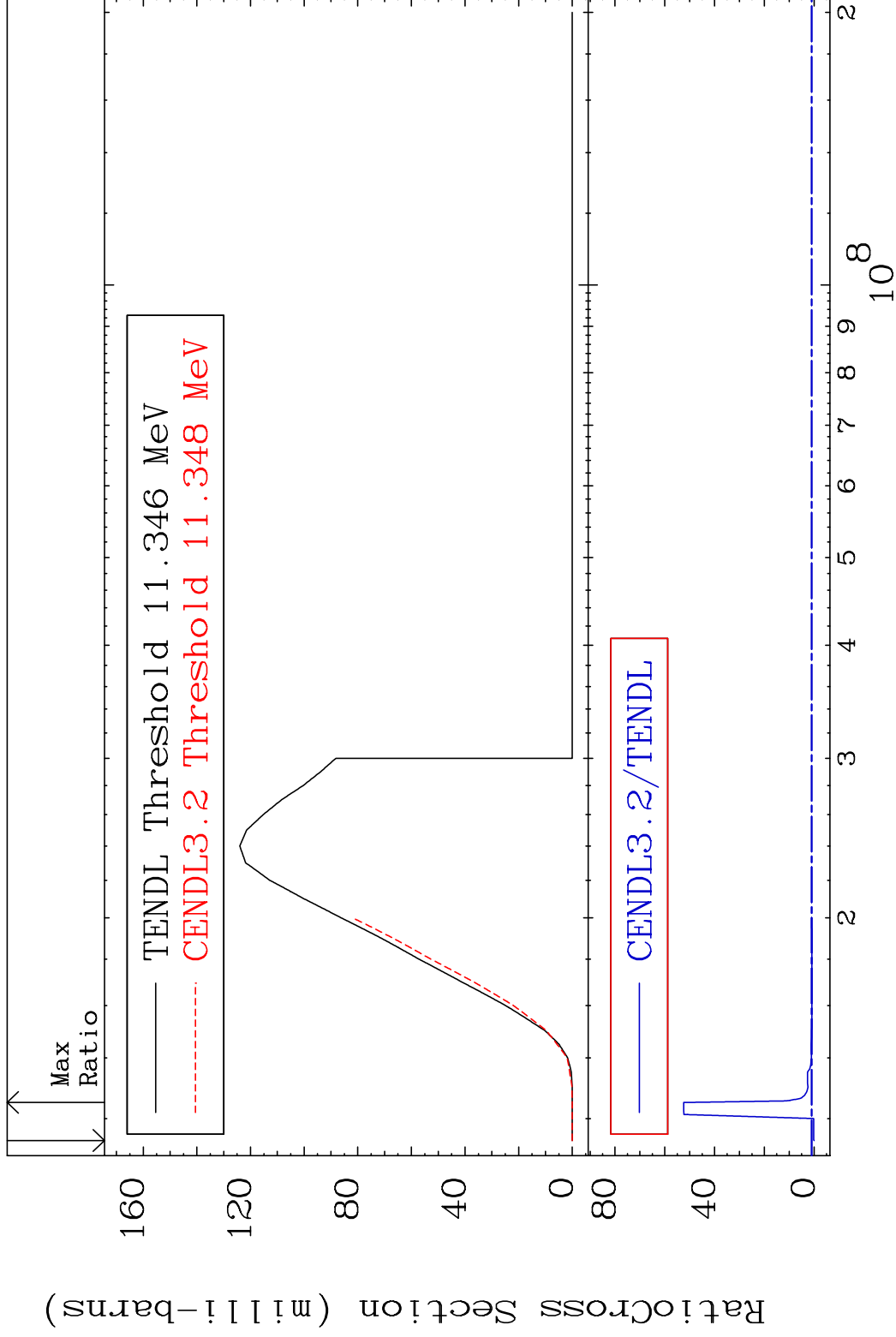
²⁴Cr-53

MAT 2434

(n, n') p

²⁴Cr-53

Cross Section -100.0 To 5142. %

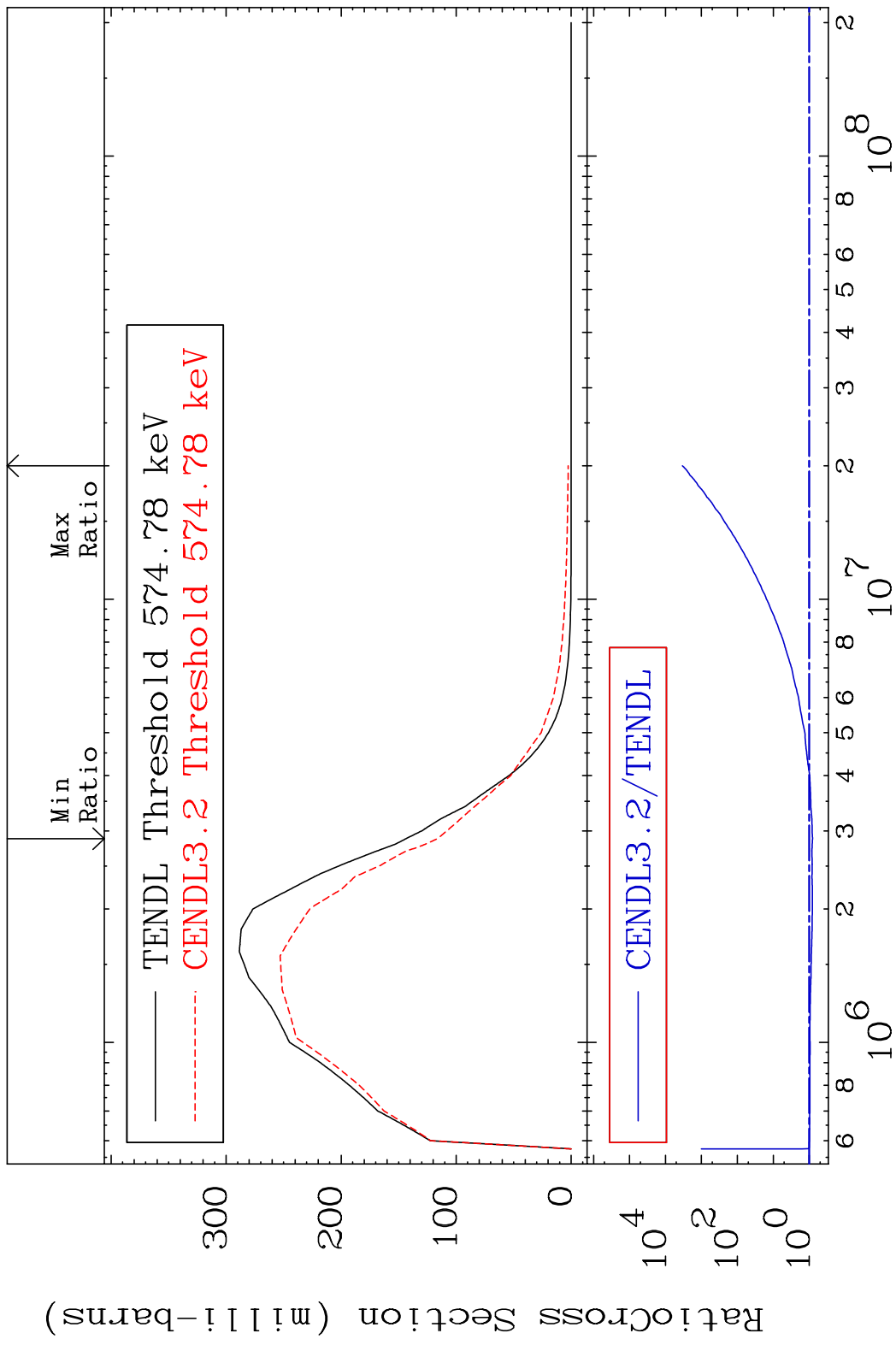


6

Incident Energy (eV)

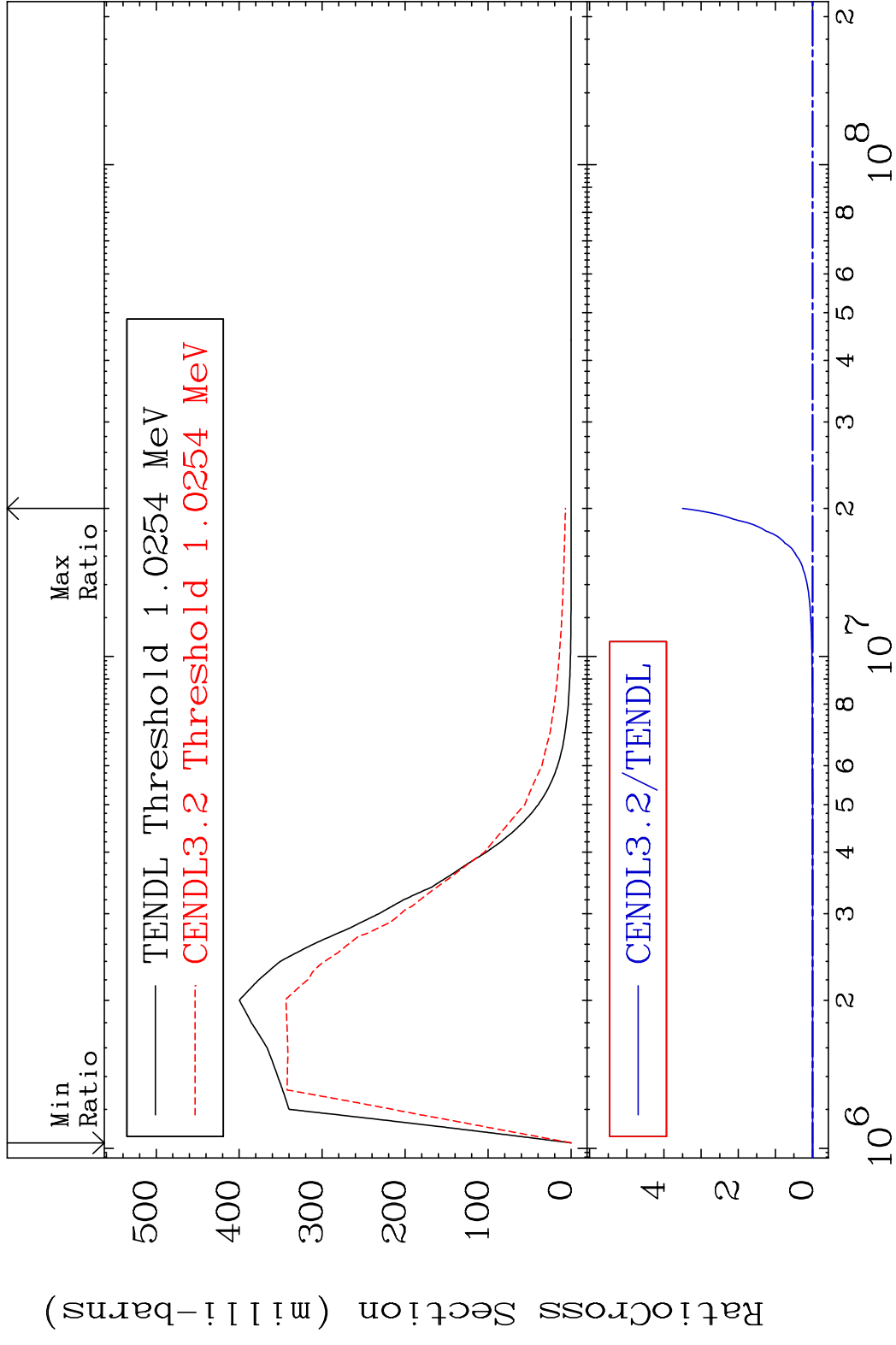
²⁴Cr-53

MAT 2434 MT= 51 (n, n') Level 24-Cr-53
 Cross Section -19.01 To 9999. %



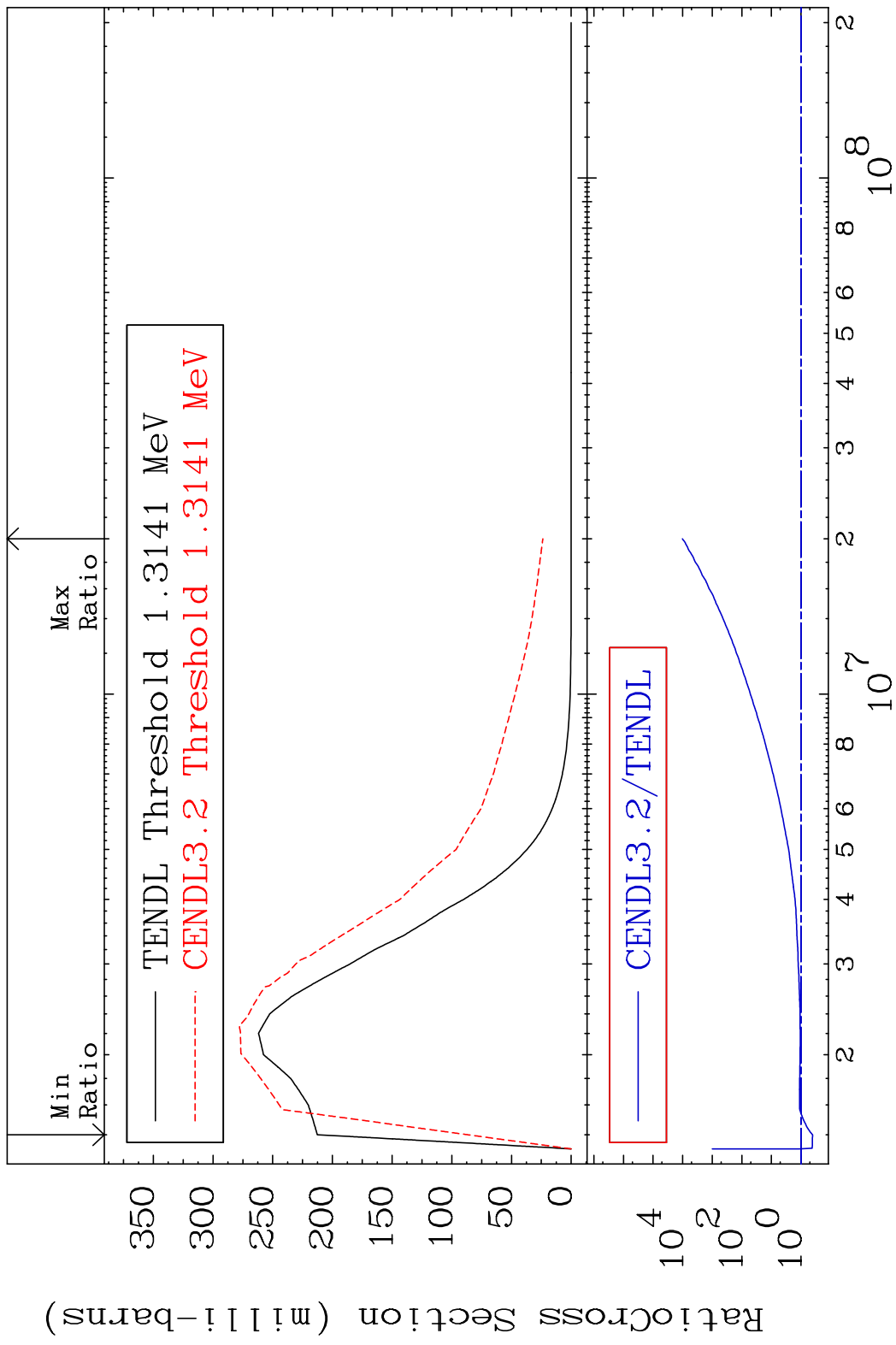
7 Incident Energy (eV) 24-Cr-53

MAT 2434 MT= 52 (n, n') Level 24-Cr-53
 Cross Section -100.0 To 9999. %

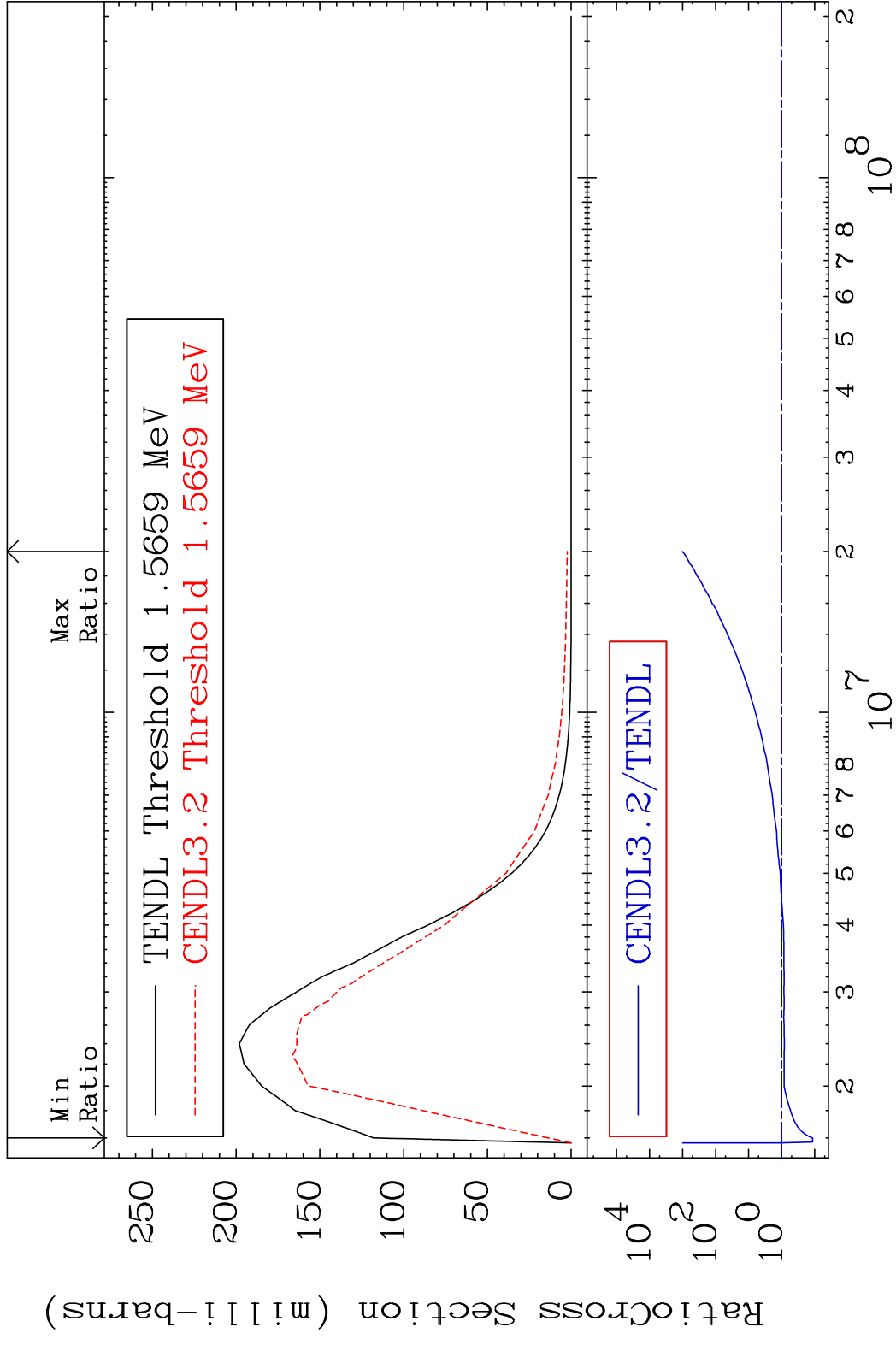


8 Incident Energy (eV) 24-Cr-53

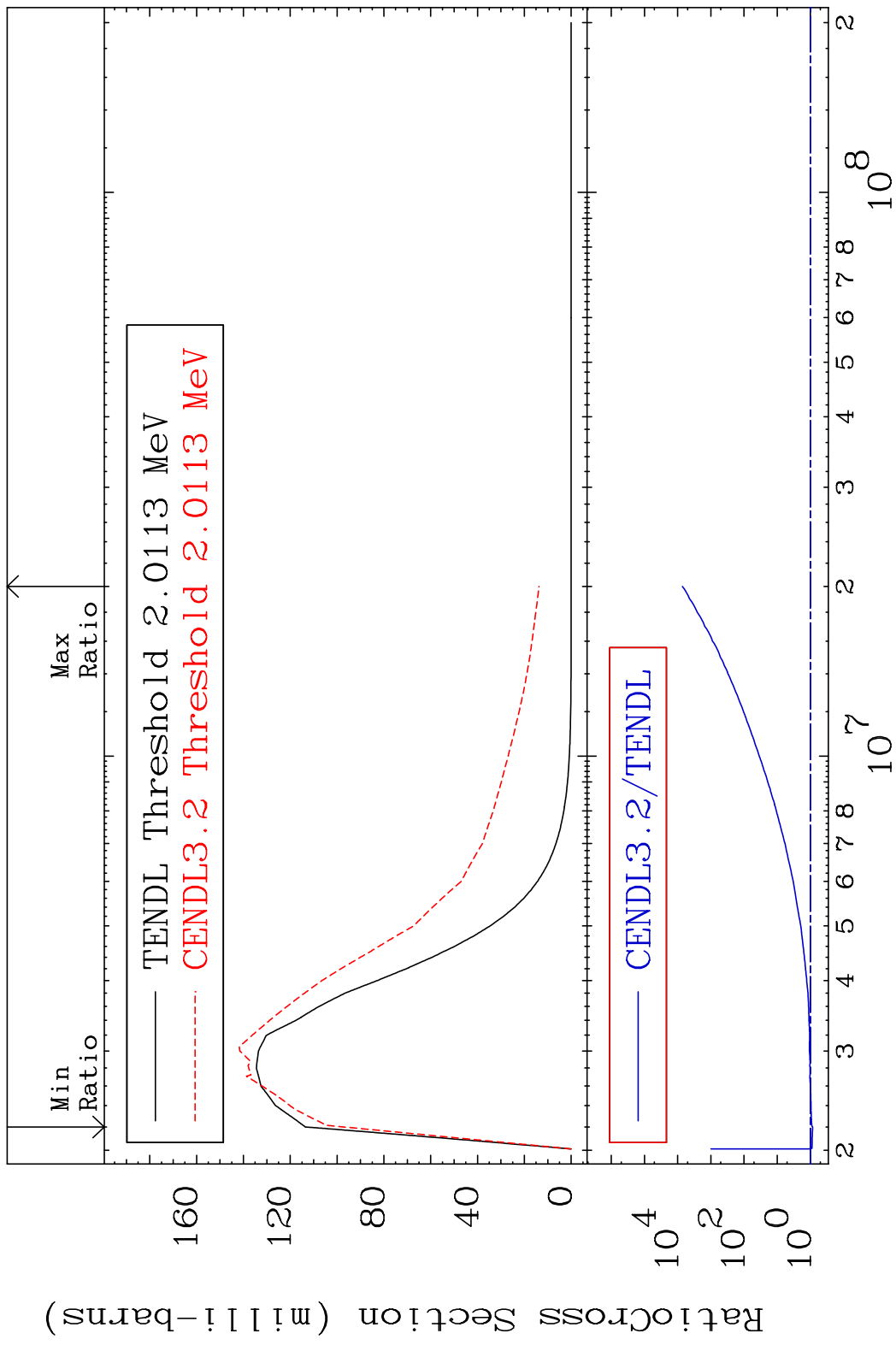
MAT 2434 MT= 53 (n, n') Level 24-Cr-53
 Cross Section -59.26 To 9999. %



MAT 2434 MT= 54 (n, n') Level 24-Cr-53
 Cross Section -88.42 To 9999. %

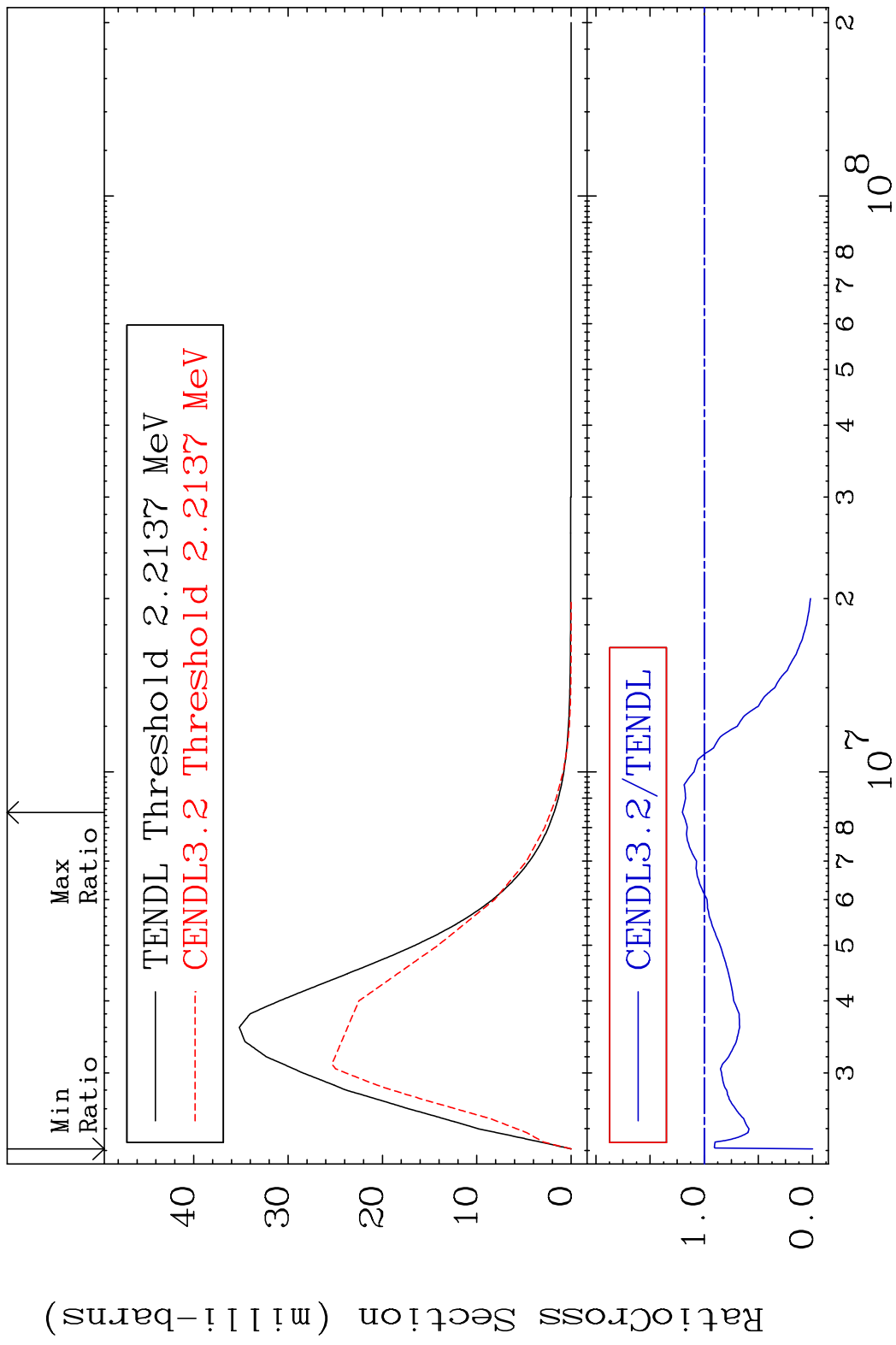


MAT 2434 MT= 55 (n, n') Level 24-Cr-53
 Cross Section -14.26 To 9999. %



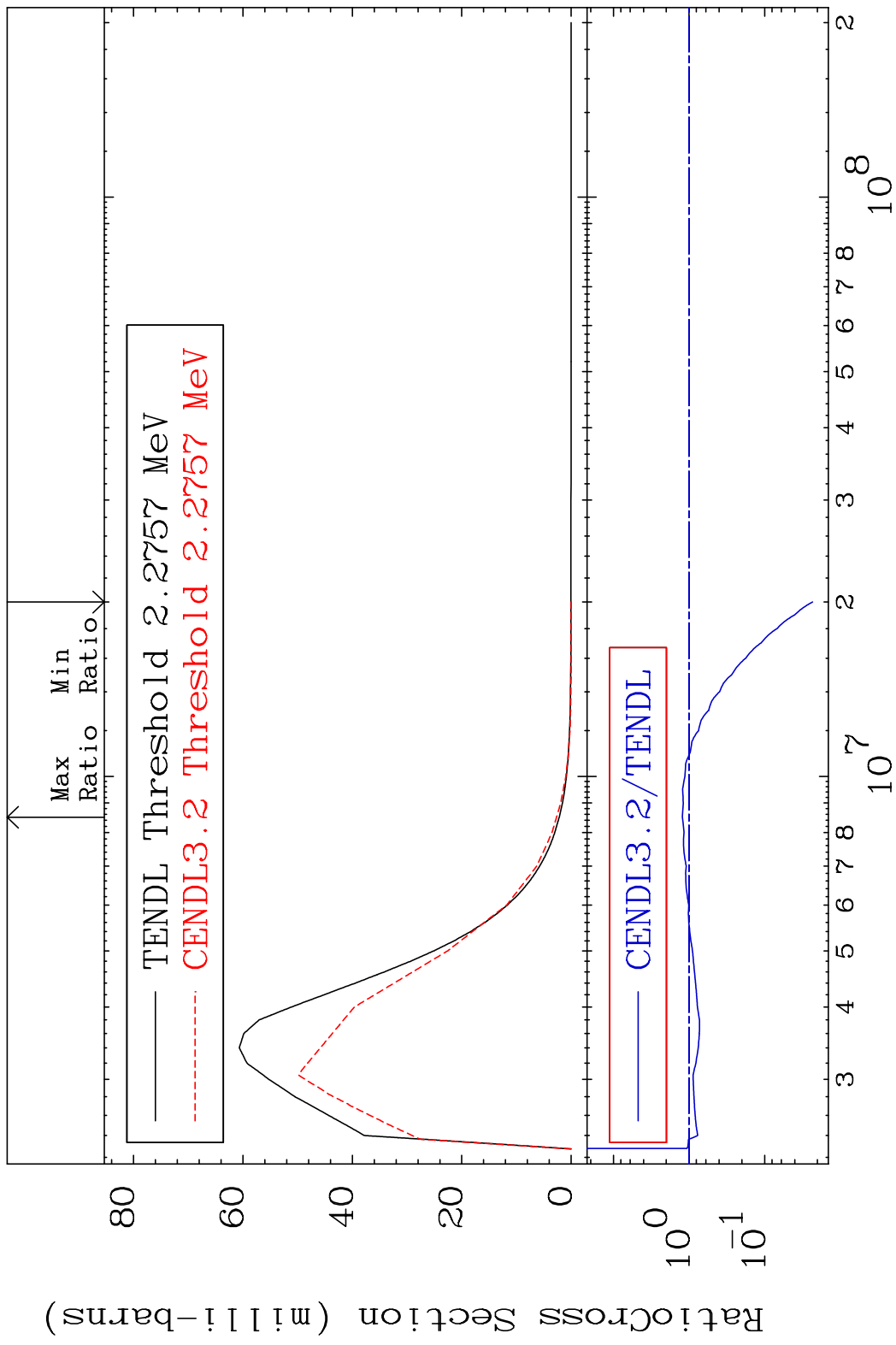
11 Incident Energy (eV) 24-Cr-53

MAT 2434 MT= 56 (n, n') Level 24-Cr-53
 Cross Section -100.0 To 20.19 %

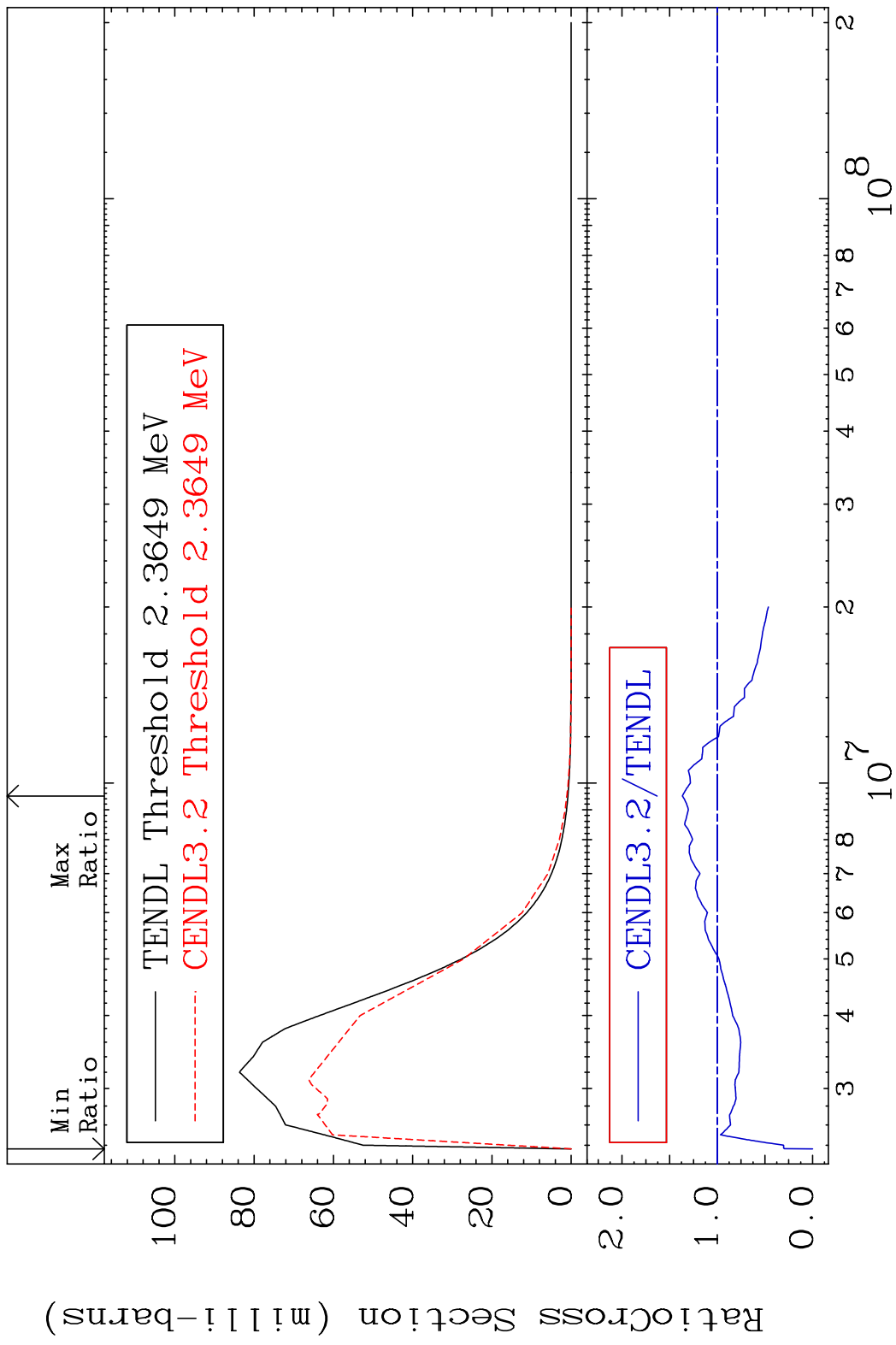


12 24-Cr-53

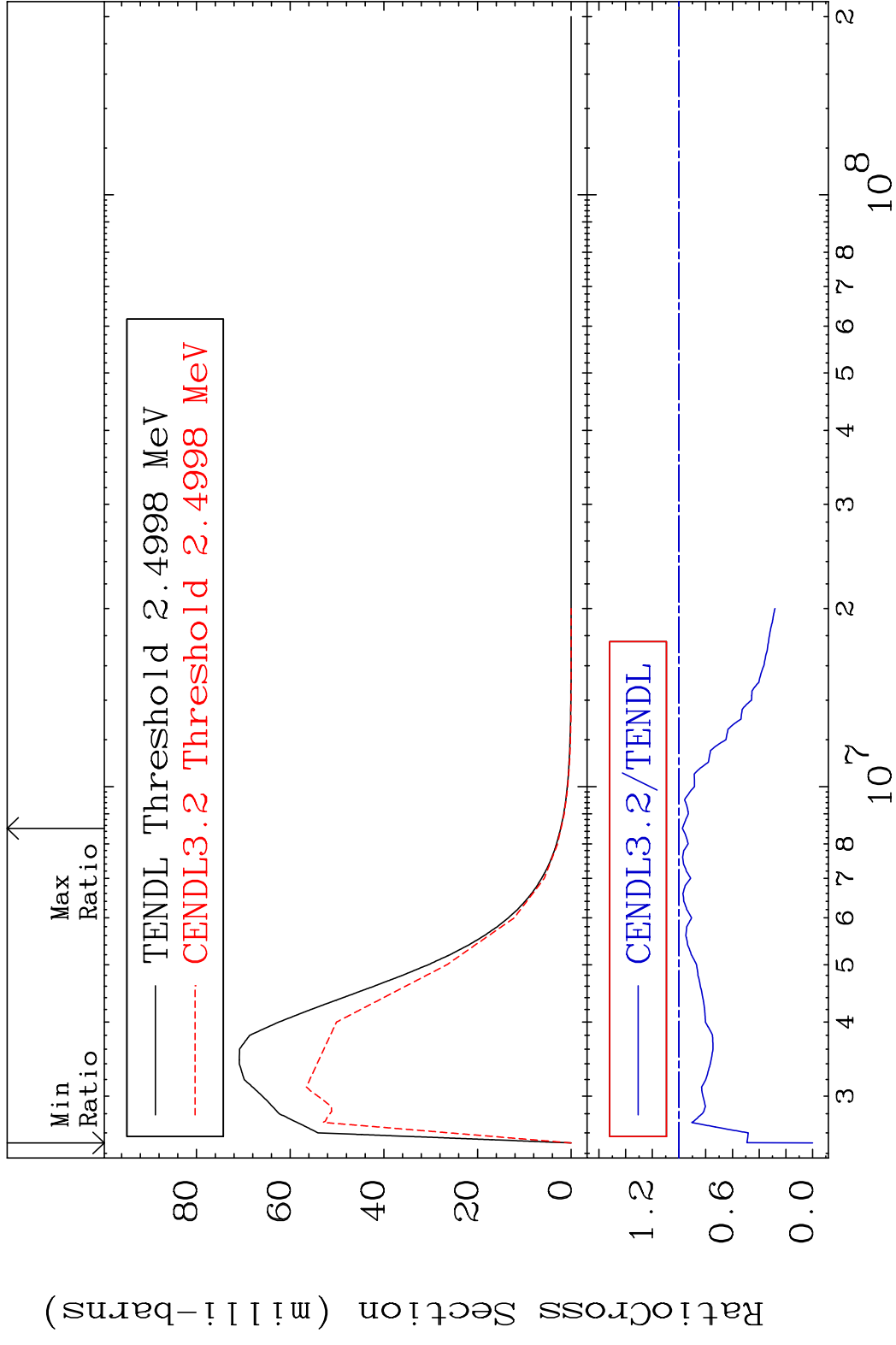
MAT 2434 MT= 57 (n, n') Level 24-Cr-53
 Cross Section -97.68 To 22.54 %



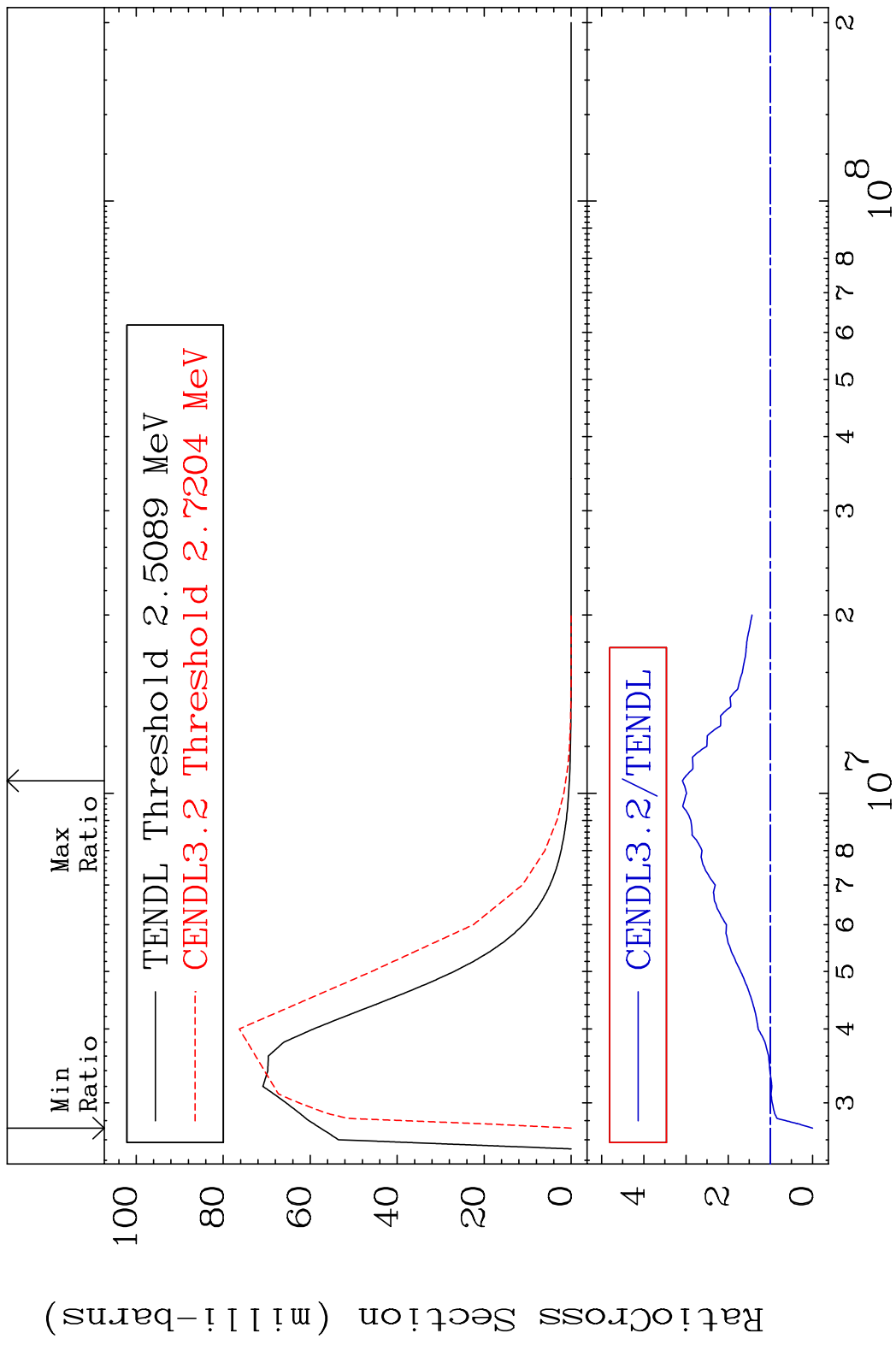
MAT 2434 MT= 58 (n,n') Level 24-Cr-53
 Cross Section -100.0 To 36.67 %



MAT 2434 MT= 59 (n, n') Level 24-Cr-53
 Cross Section -100.0 To -2.477%

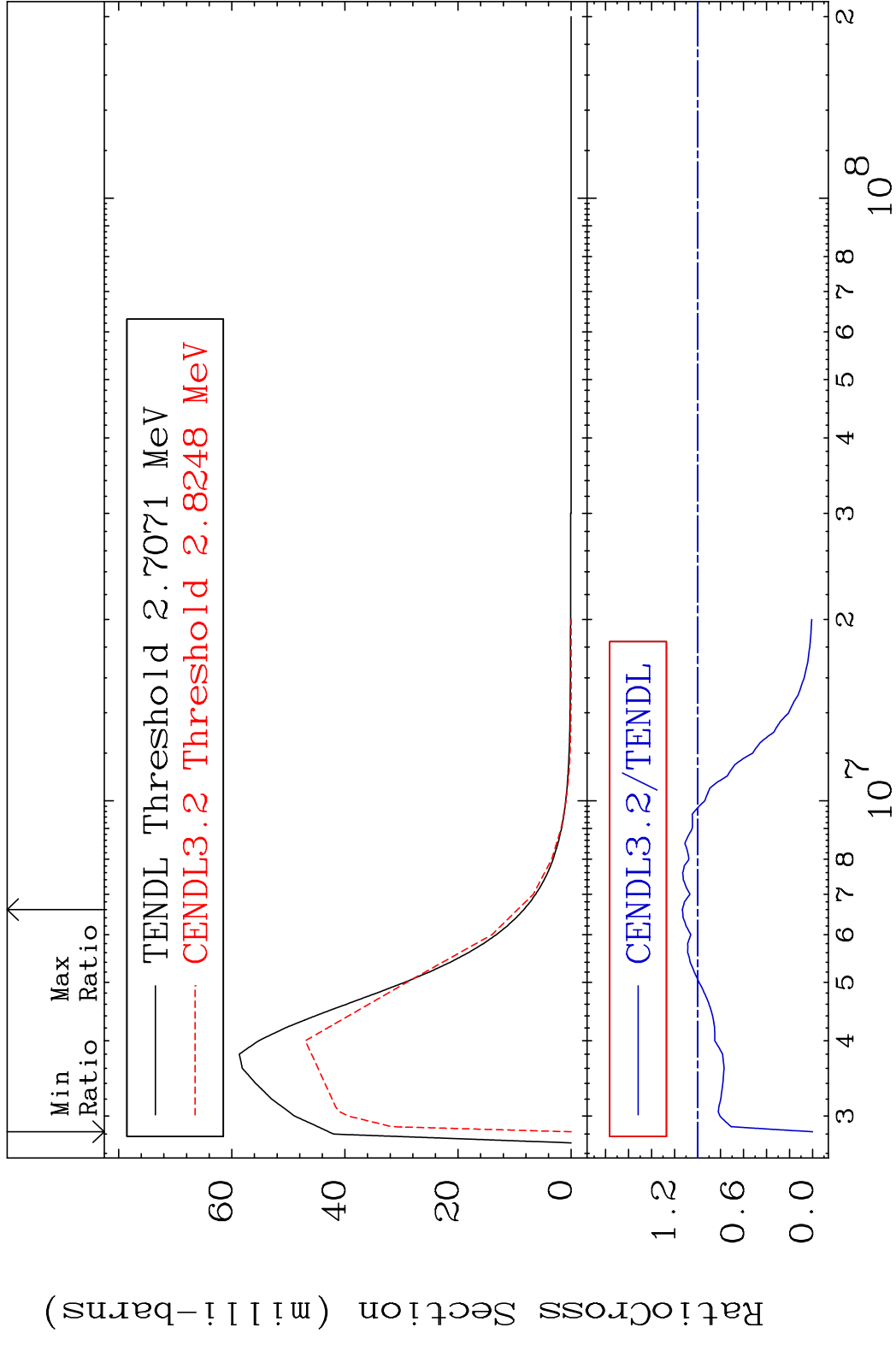


MAT 2434 MT= 60 (n, n') Level 24-Cr-53
 Cross Section -100.0 To 208.5 %

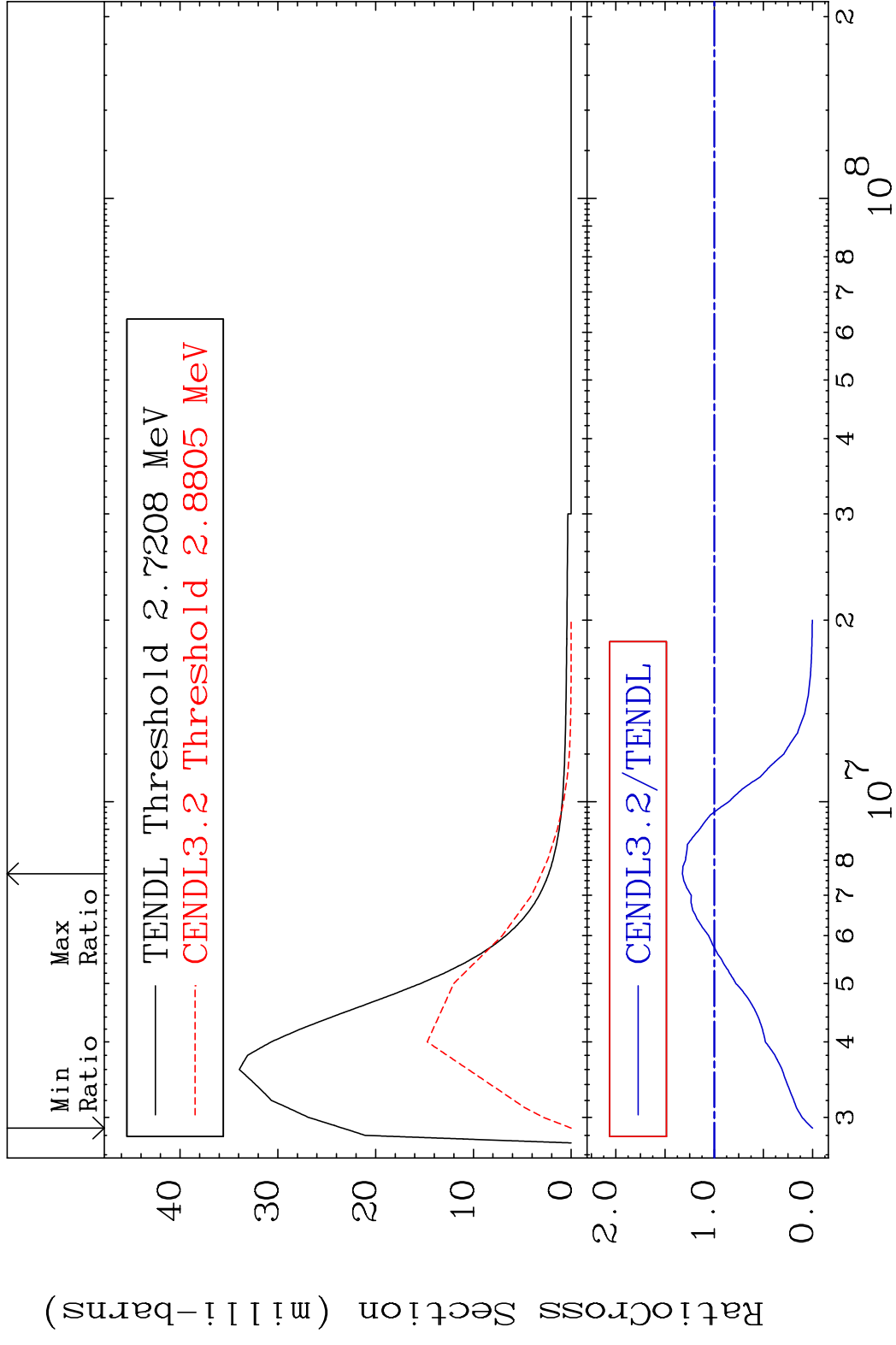


16 Incident Energy (eV) 24-Cr-53

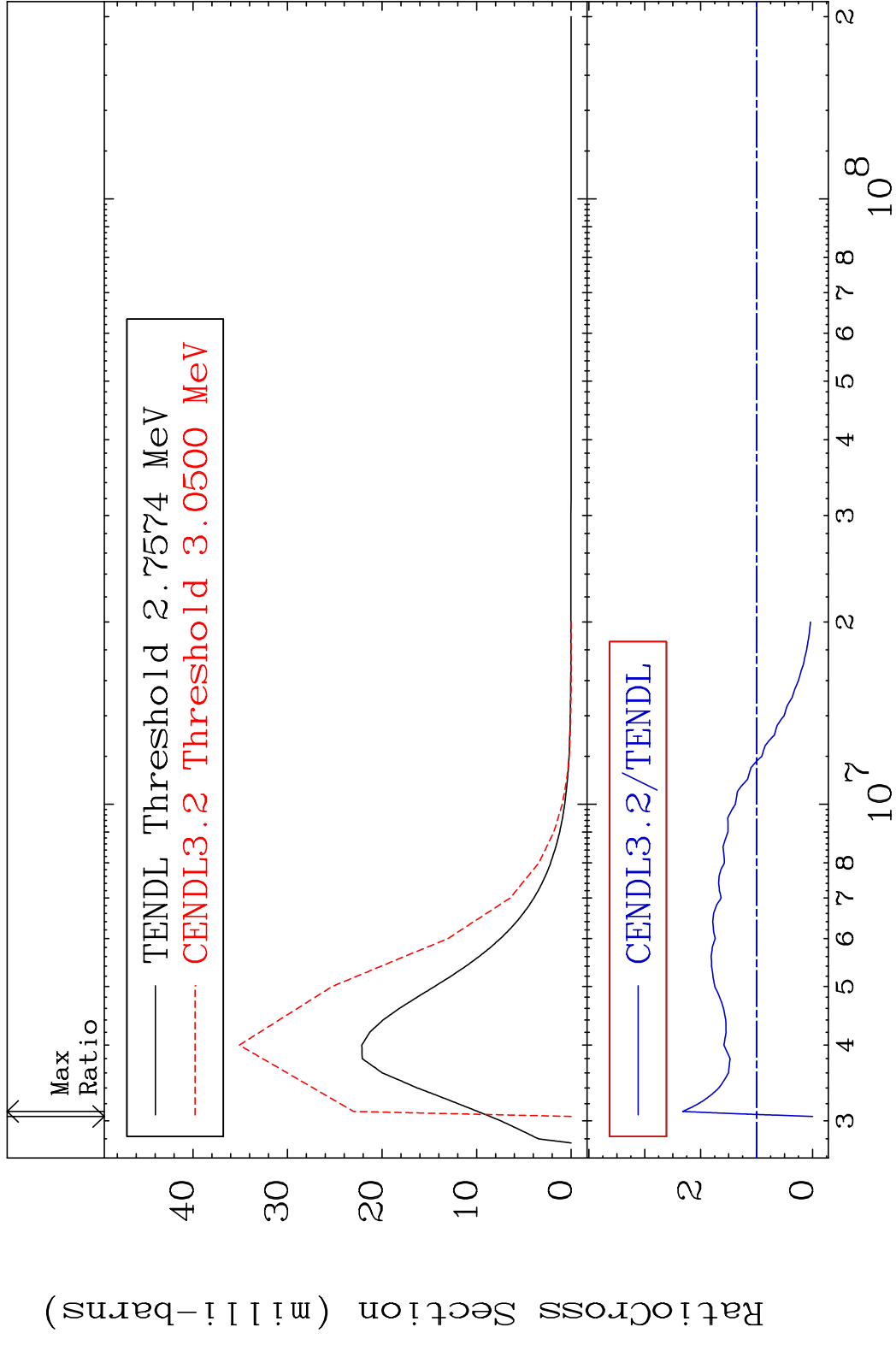
MAT 2434 MT= 61 (n, n') Level 24-Cr-53
 Cross Section -100.0 To 13.26 %



MAT 2434 MT= 62 (n, n') Level 24-Cr-53
 Cross Section -100.0 To 32.41 %



MAT 2434 MT= 63 (n, n') Level 24-Cr-53
 Cross Section -100.0 To 132.8 %

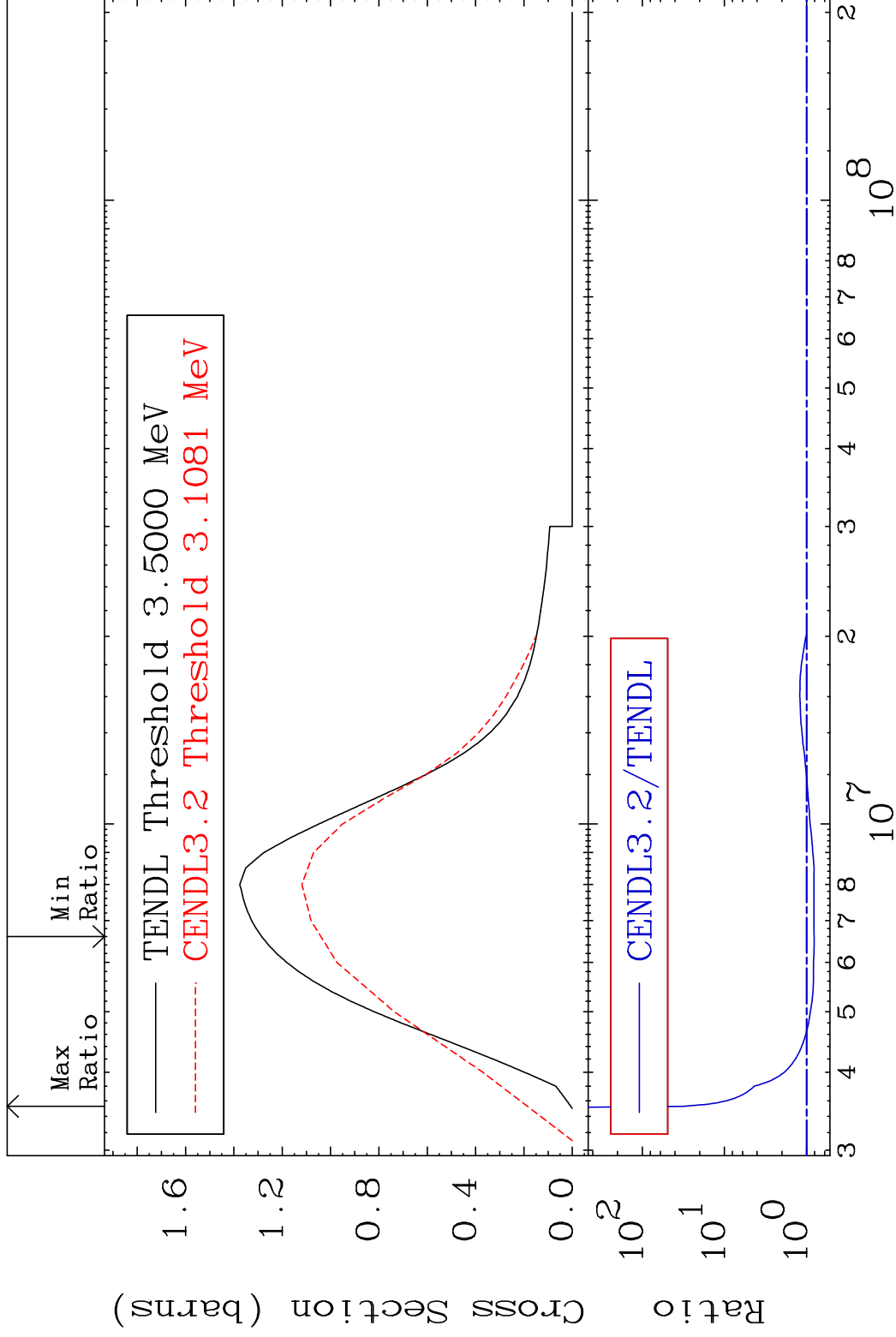


MAT 2434

(n, n') Continuum

²⁴Cr-53

Cross Section -19.08 To 3034. %



20

Incident Energy (eV)

²⁴Cr-53

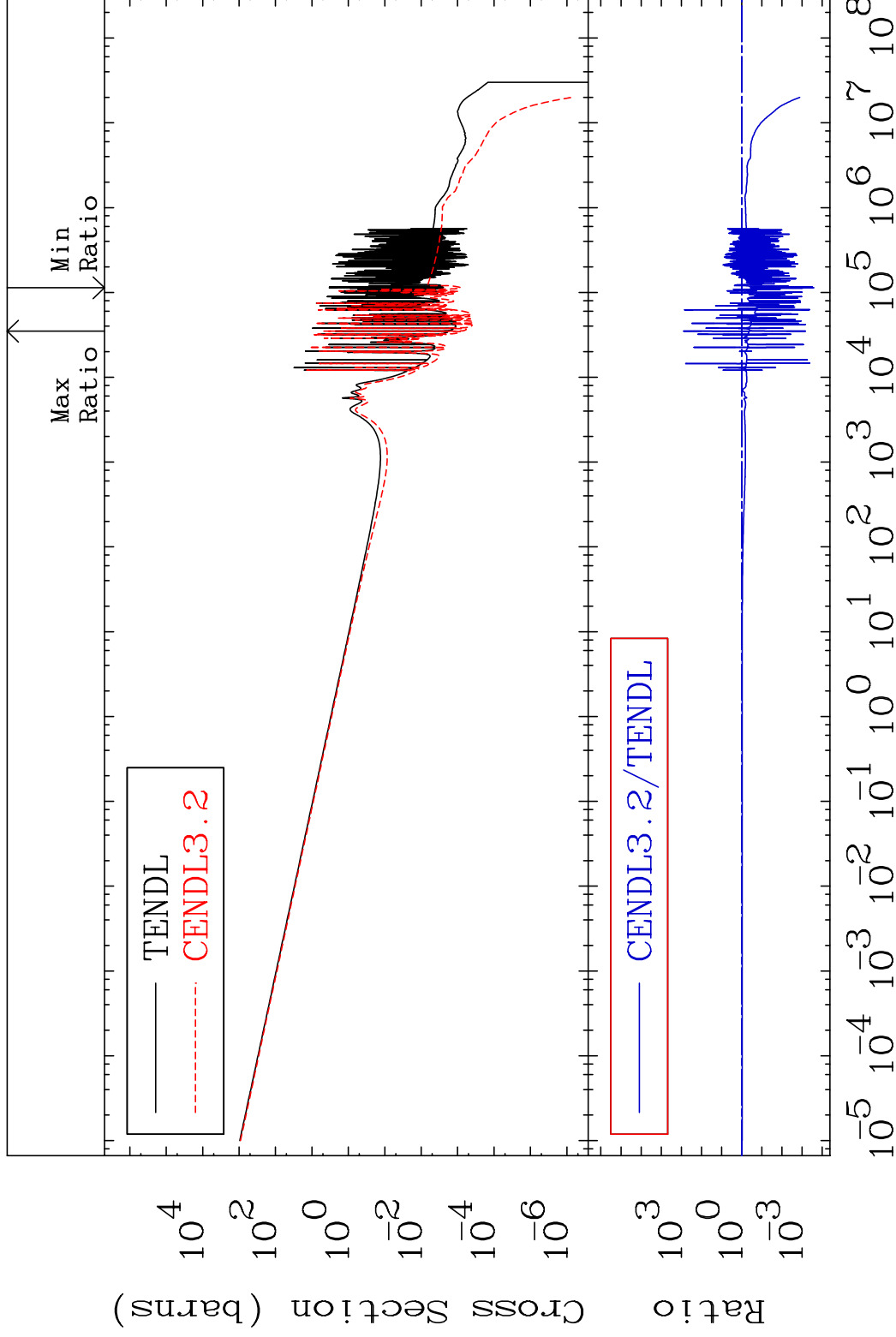
MAT 2434

(n, γ)

24-Cr-53

Cross Section

-99.97 To 9999. %



21

Incident Energy (eV)

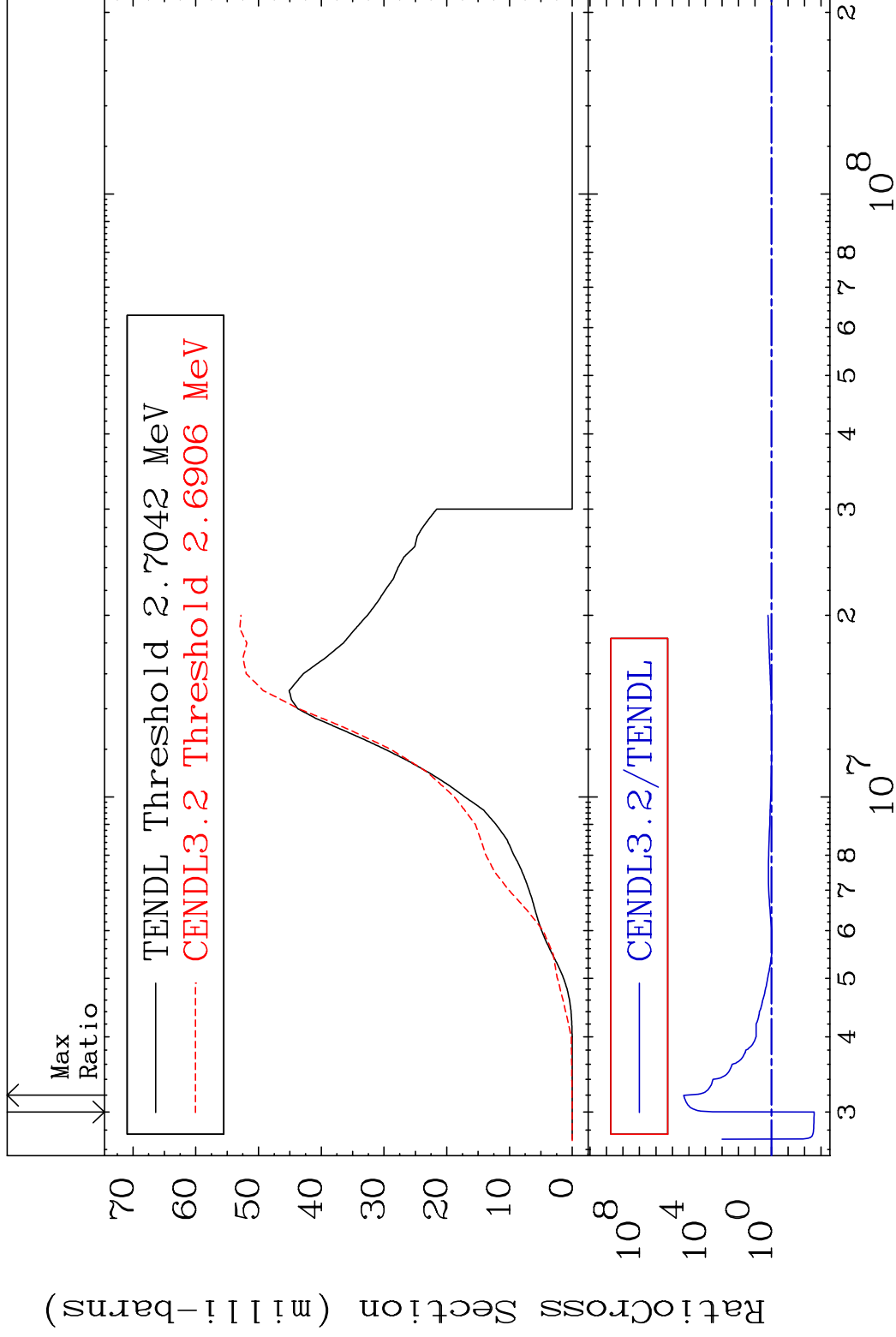
24-Cr-53

MAT 2434

(n, p)

24-Cr-53

Cross Section -99.74 To 9999. %



22

Incident Energy (eV)

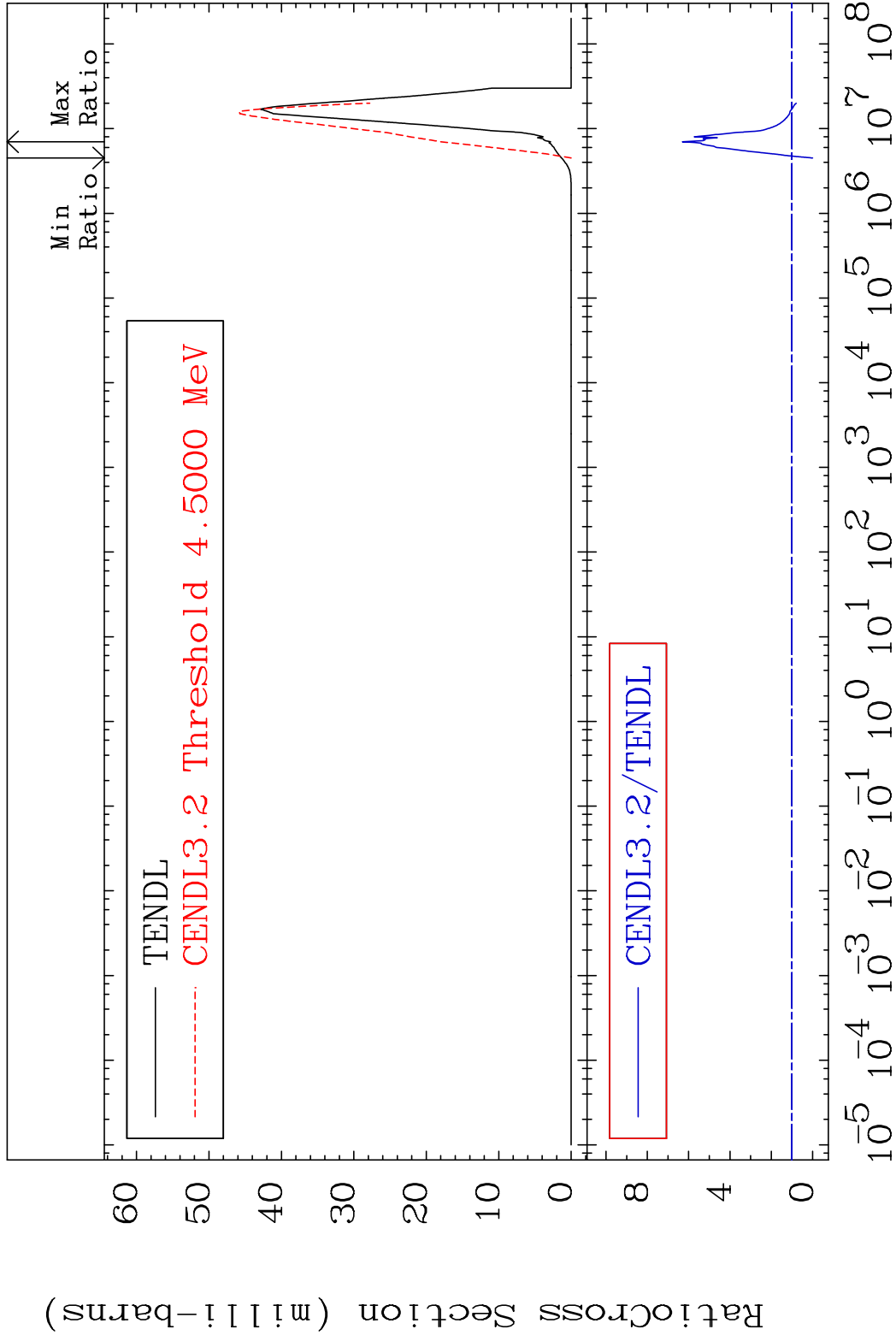
24-Cr-53

MAT 2434

(n, α)

²⁴Cr-53

Cross Section -100.0 To 530.5 %



23

Incident Energy (eV)

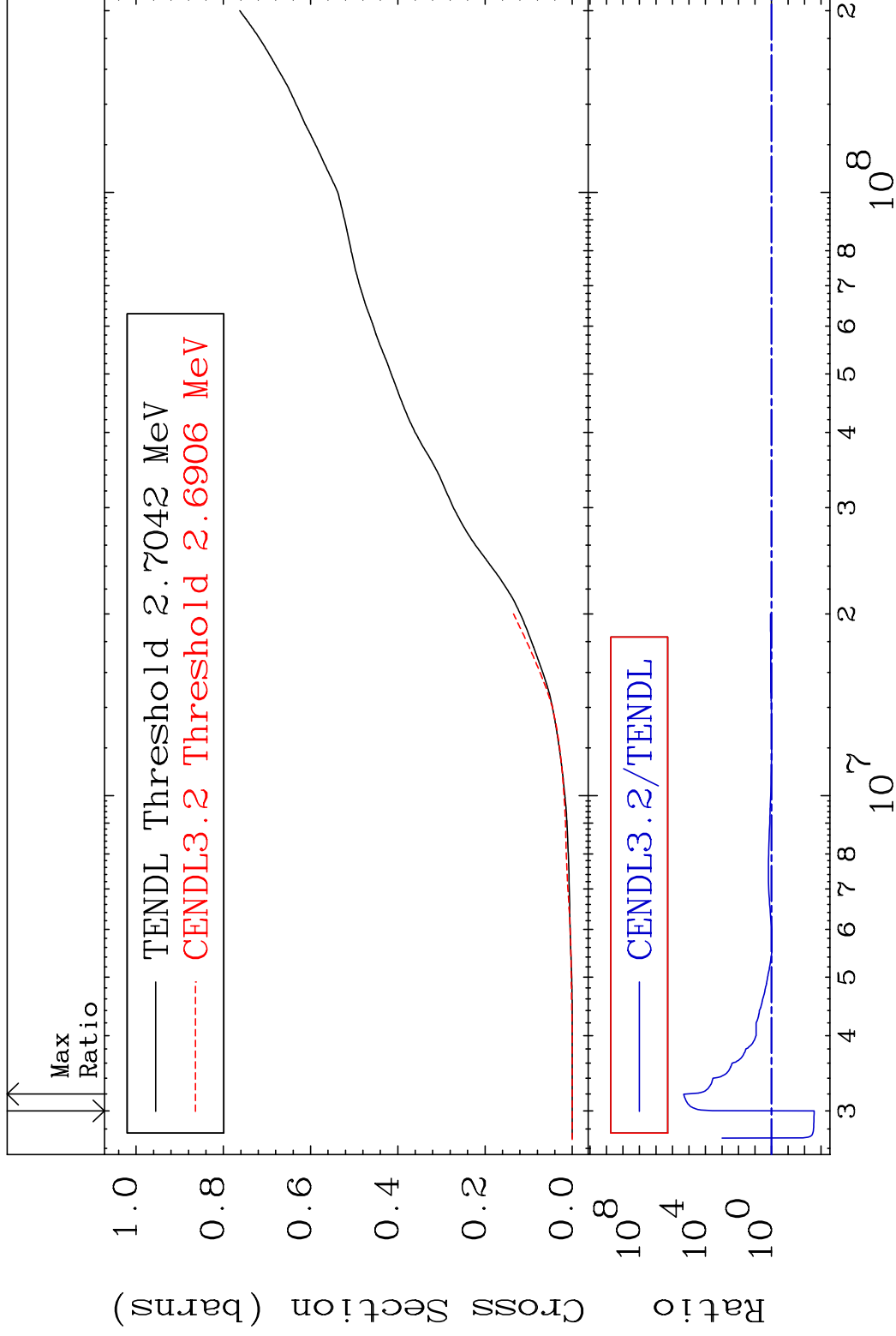
²⁴Cr-53

MAT 2434

Hydrogen Production

²⁴Cr-53

Cross Section -99.74 To 9999. %



24

Incident Energy (eV)

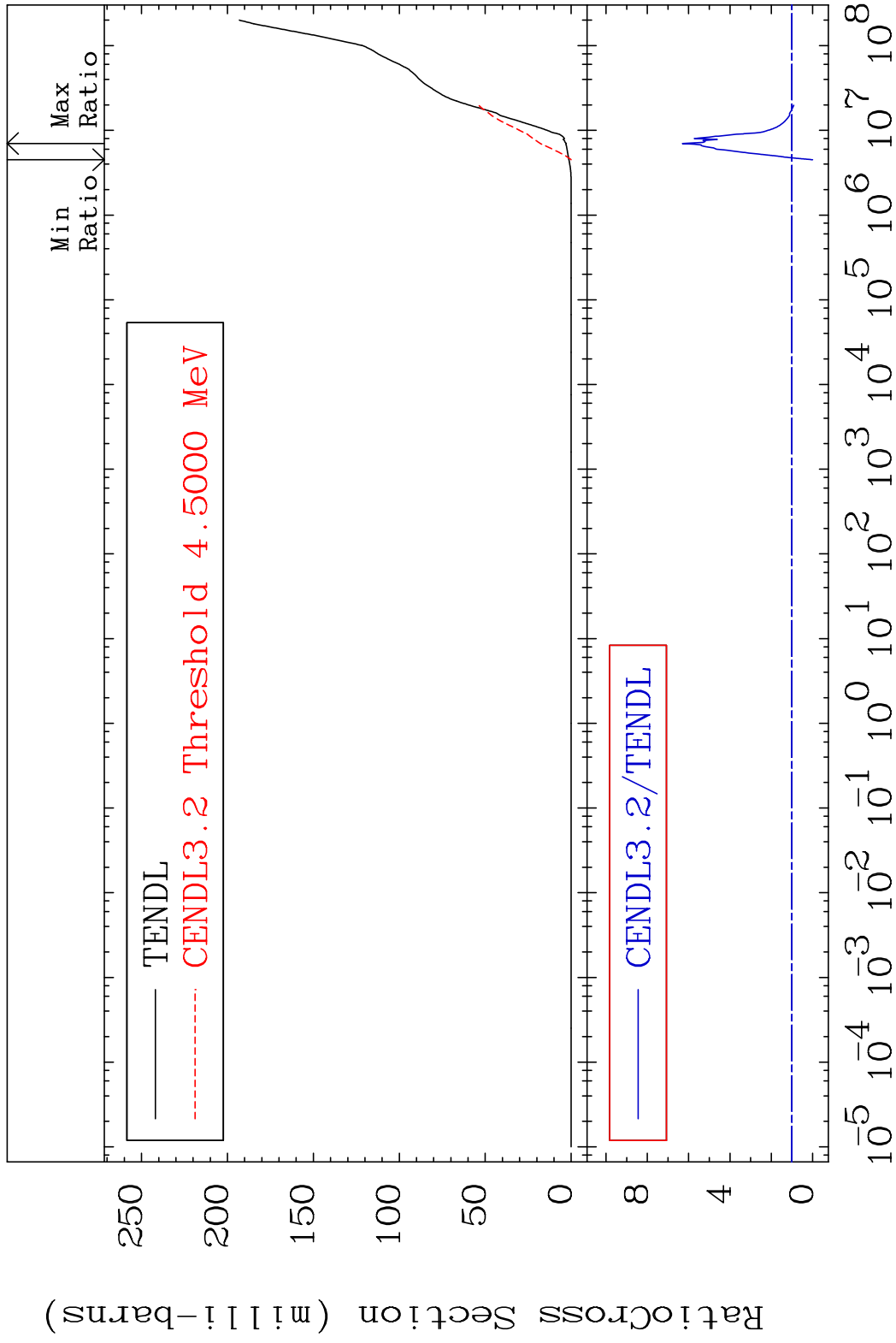
²⁴Cr-53

MAT 2434

He-4 Production

²⁴Cr-53

Cross Section -100.0 To 530.5 %

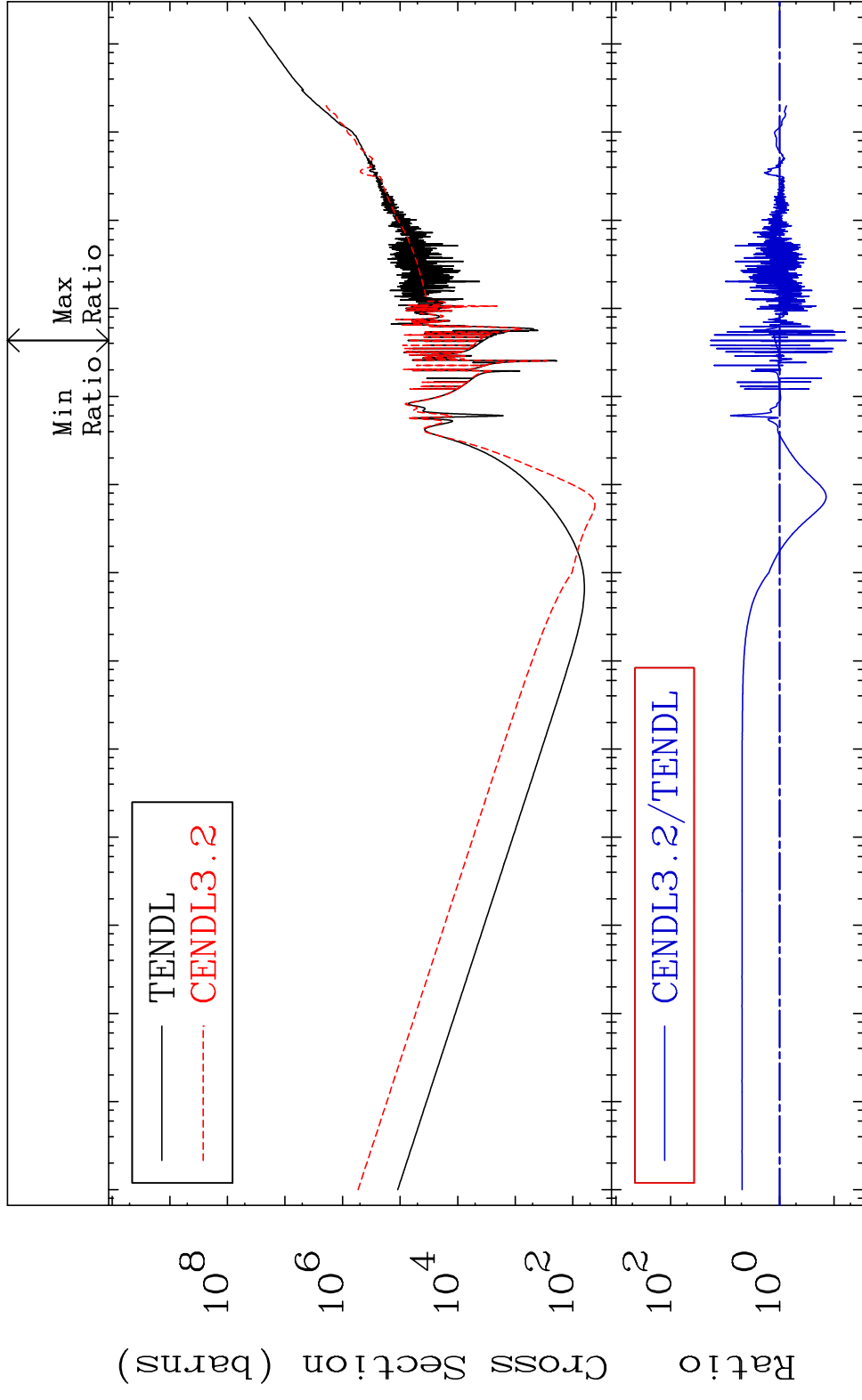


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Incident Energy (eV)

²⁴Cr-53

MAT 2434 Kerma total (eV-barns) 24-Cr-53
 Cross Section -94.05 To 1732. %



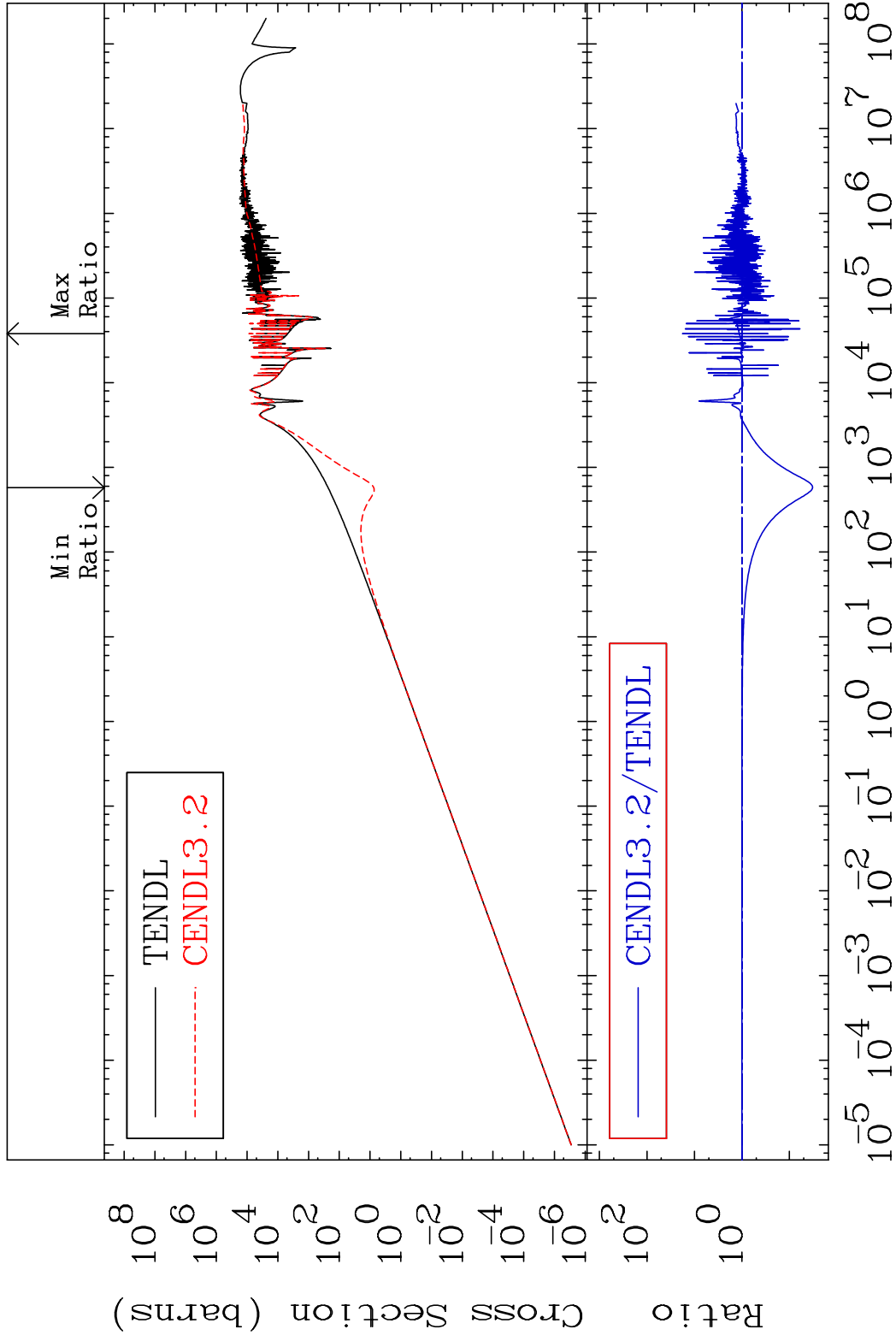
Incident Energy (eV) 24-Cr-53

MAT 2434

Kerma elastic
Cross Section

24-Cr-53

-96.74 To 1696. %

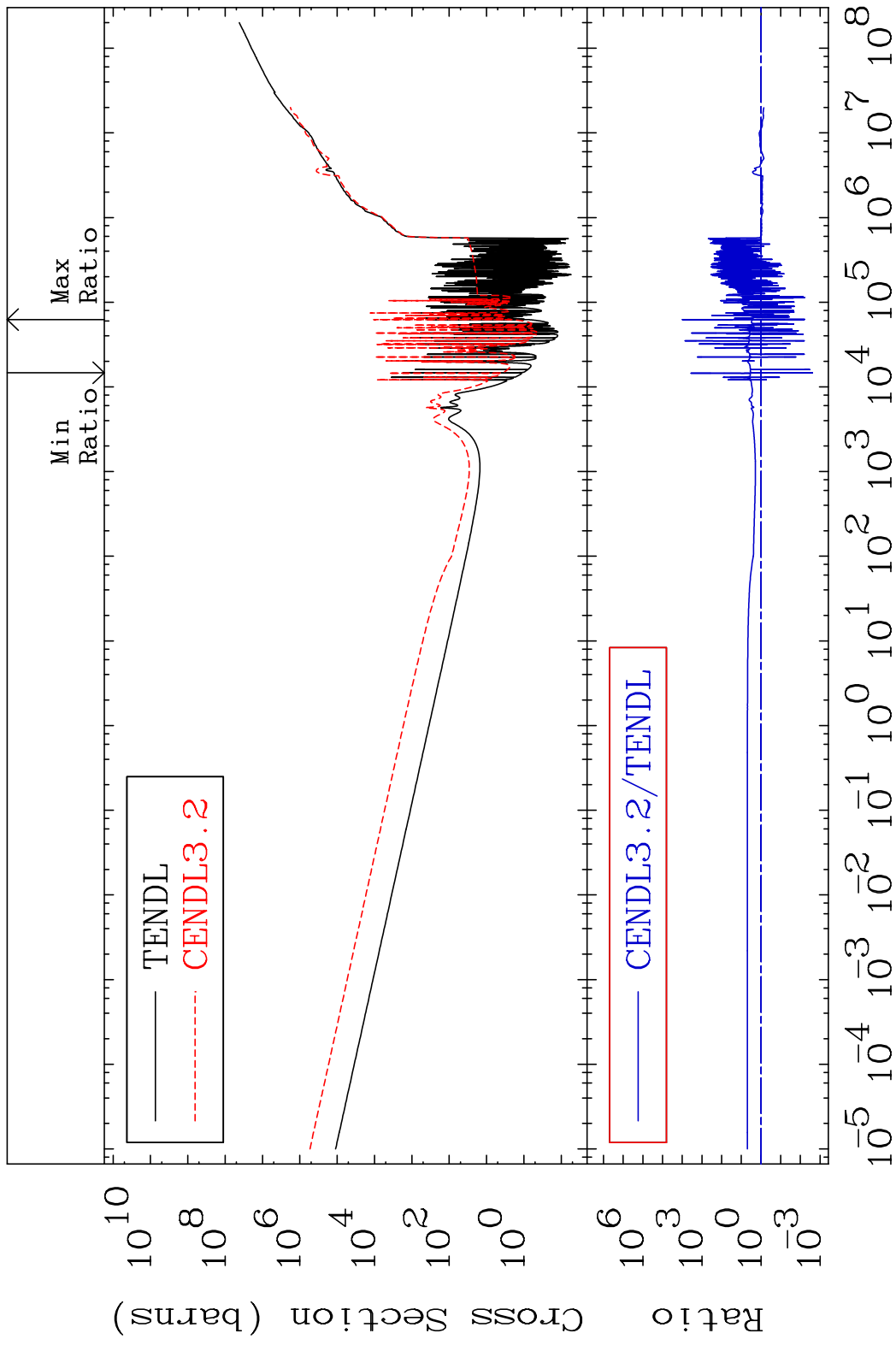


27

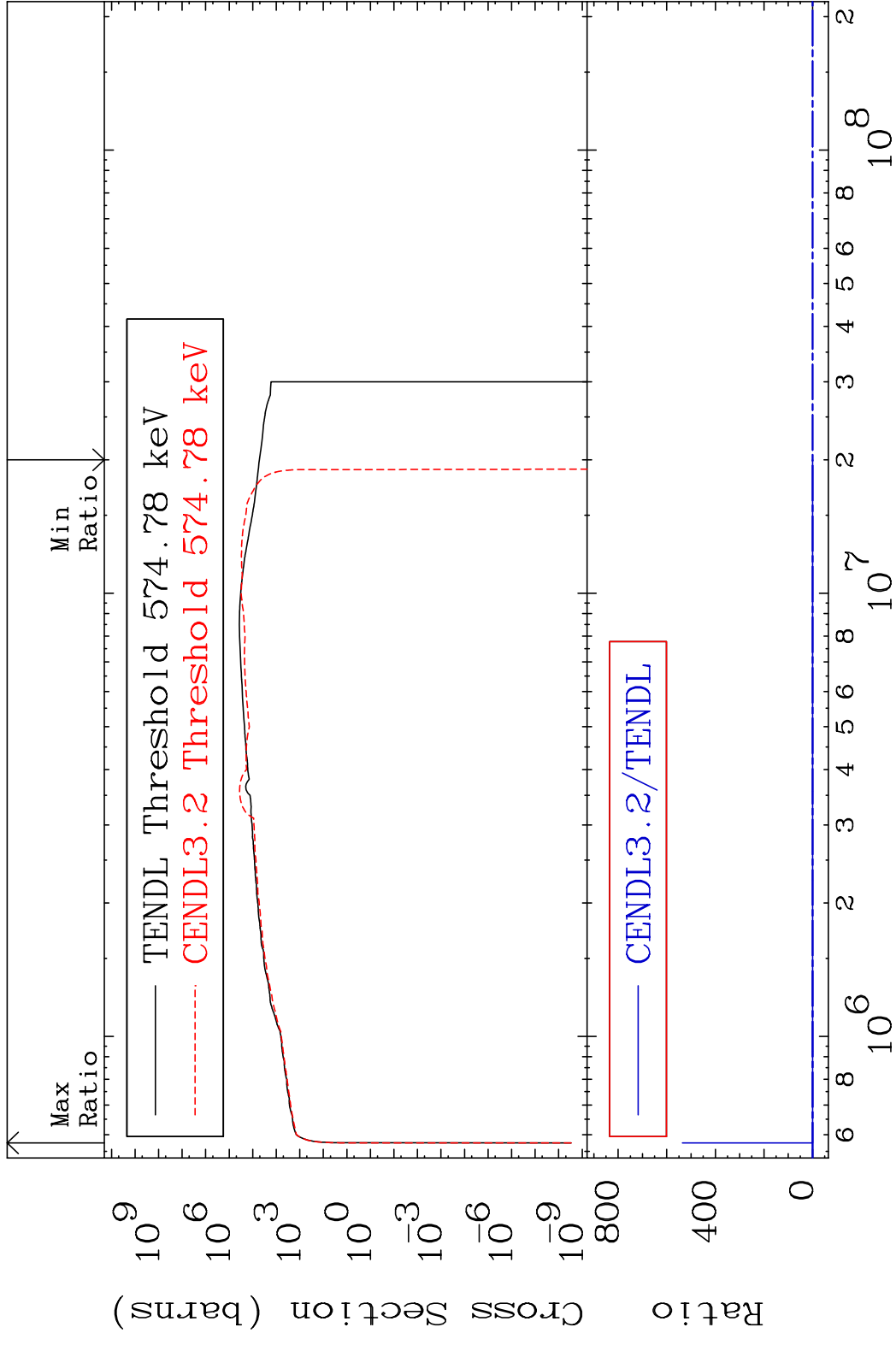
Incident Energy (eV)

24-Cr-53

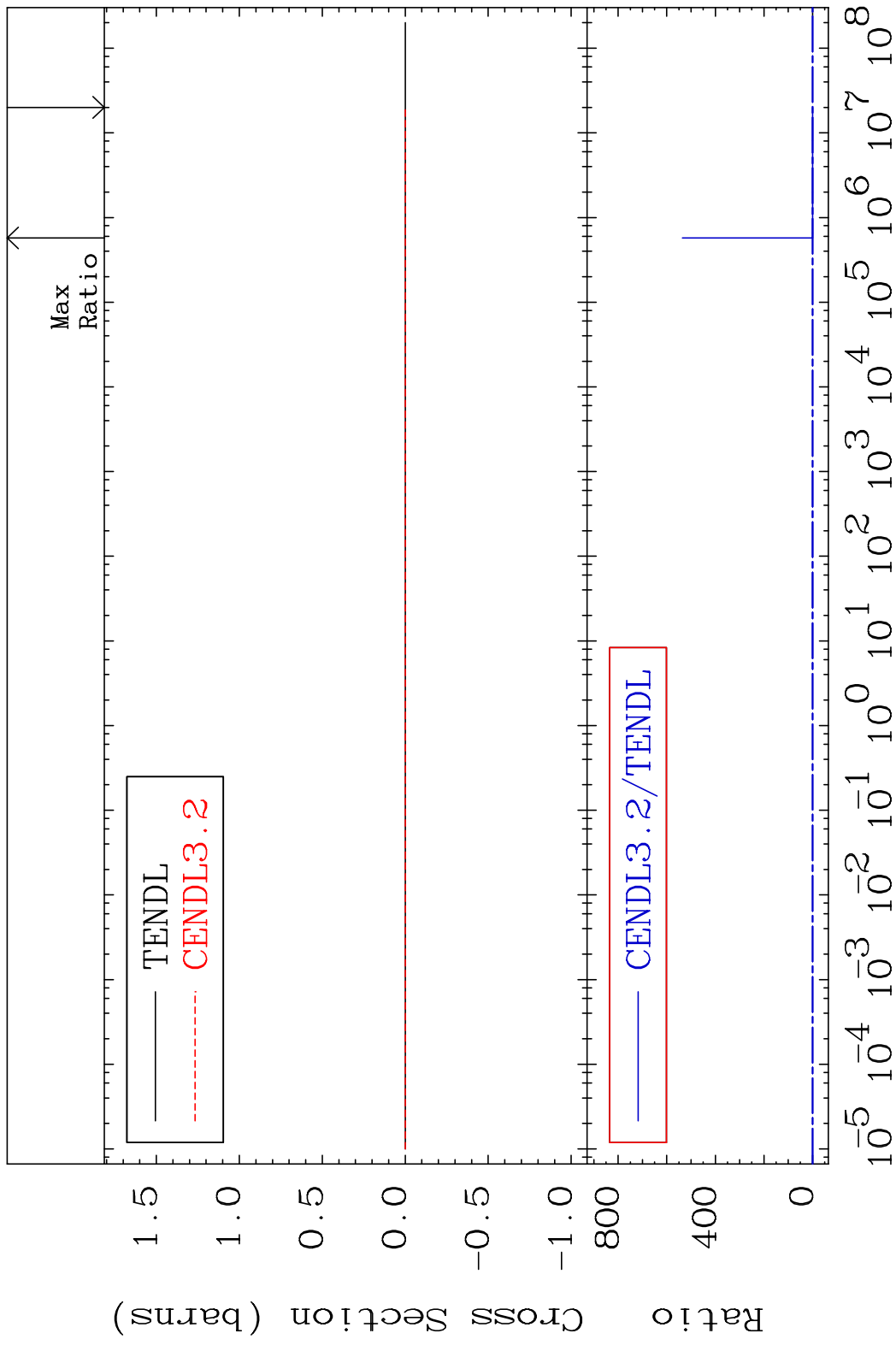
MAT 2434 Kerma non-elastic (all but mt2) 24-Cr-53
 Cross Section -99.76 To 9999. %



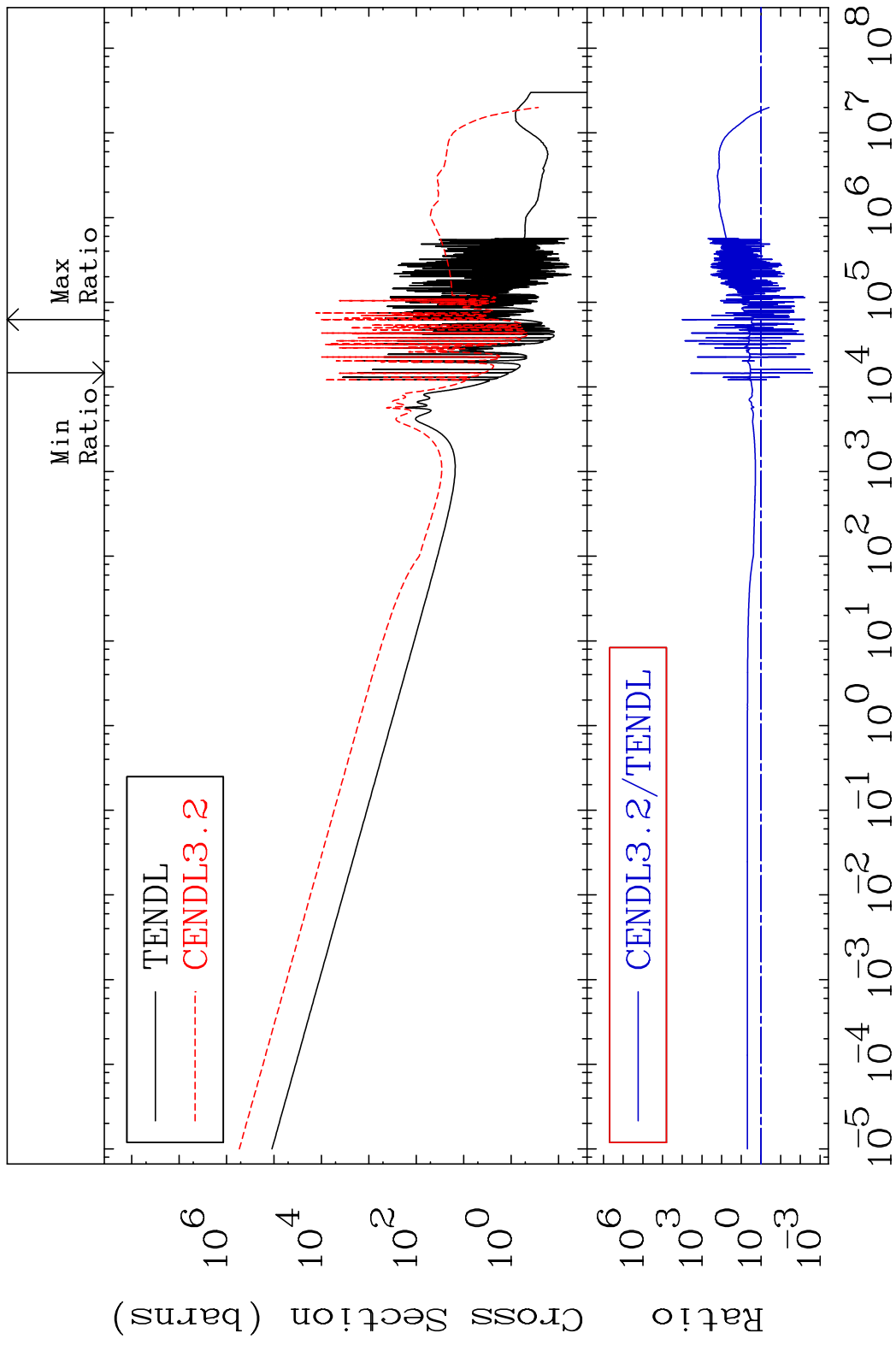
MAT 2434 Kerma inelastic (mt51-91) 24-Cr-53
 Cross Section -131.0 To 9999. %



MAT 2434 Kerma fission (mt18 or mt19-20-21-38) 24-Cr-53
 Cross Section -131.0 To 9999. %

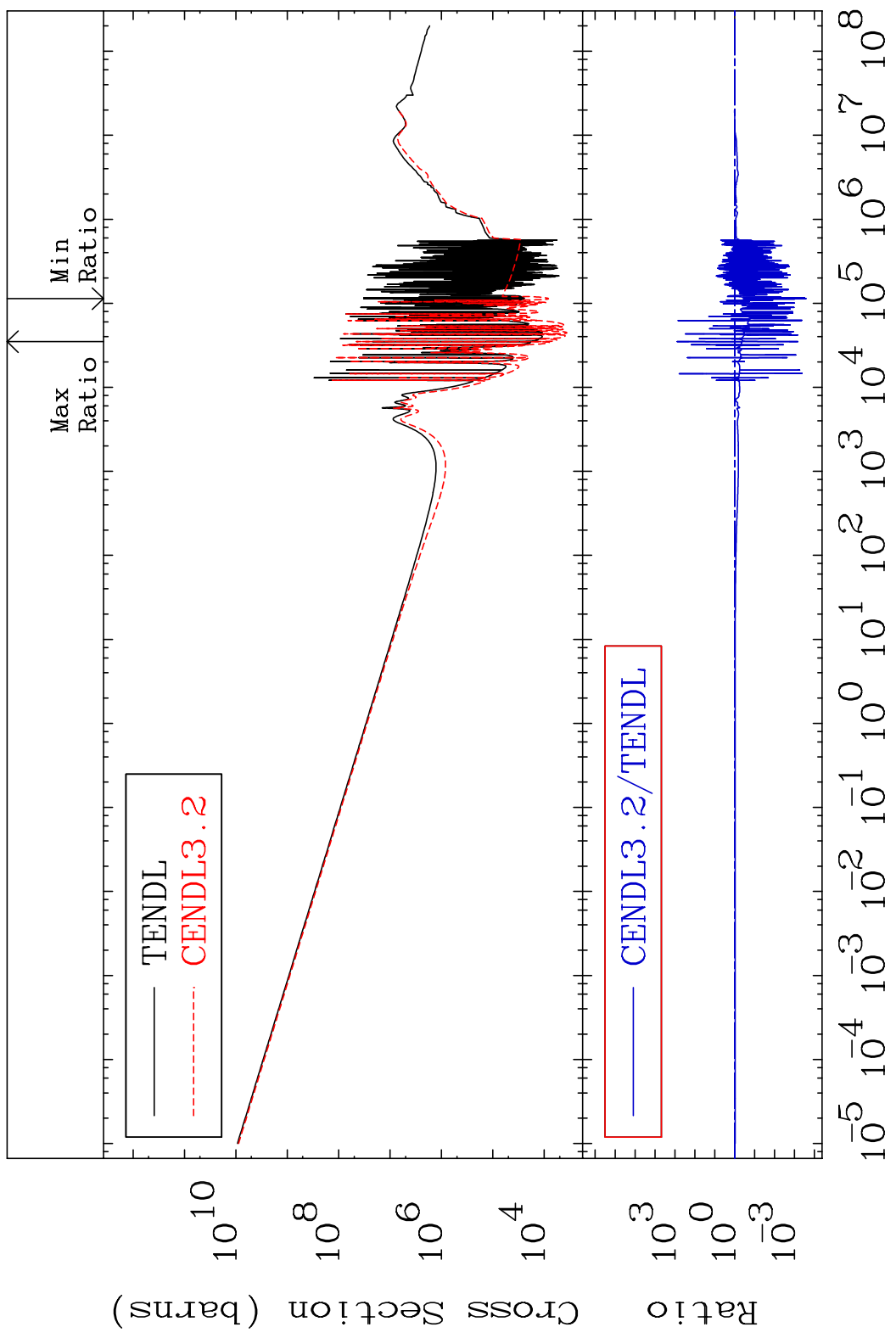


MAT 2434 Kerma capture (mt102) 24-Cr-53
 Cross Section -99.76 To 9999. %



MAT 2434

Total photon (eV-barns) 24-Cr-53
Cross Section -99.97 To 9999. %

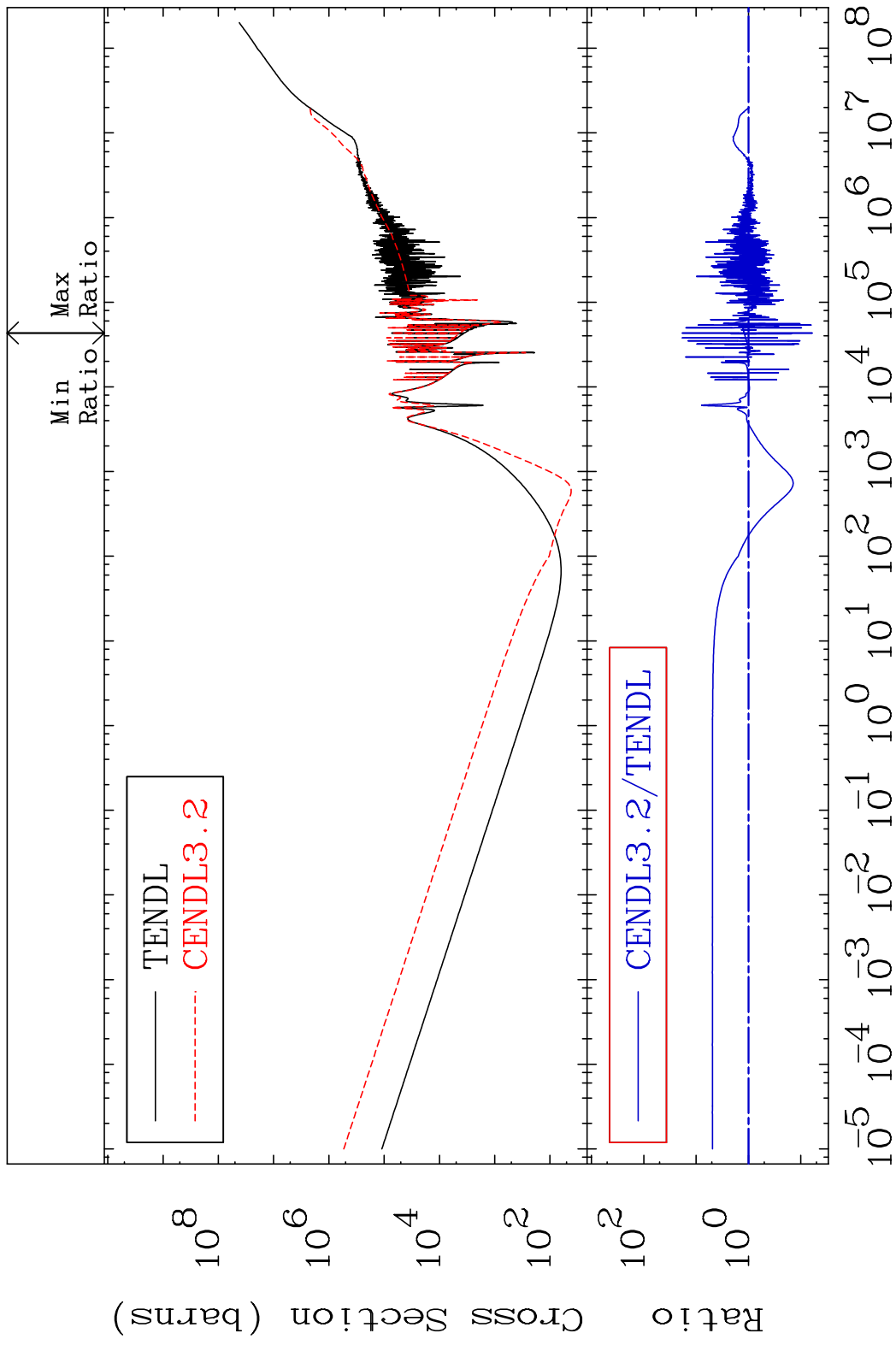


32

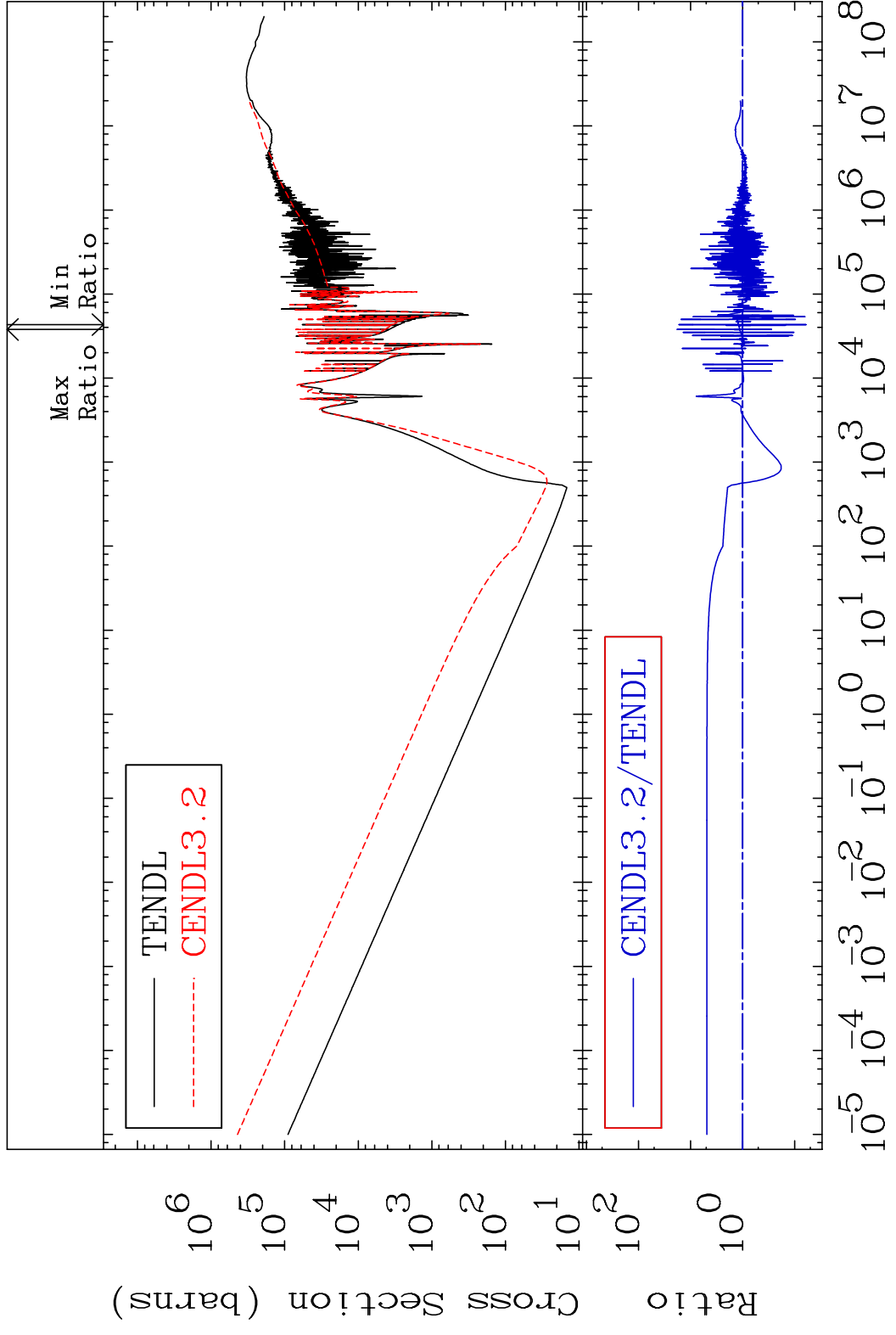
Incident Energy (eV)

24-Cr-53

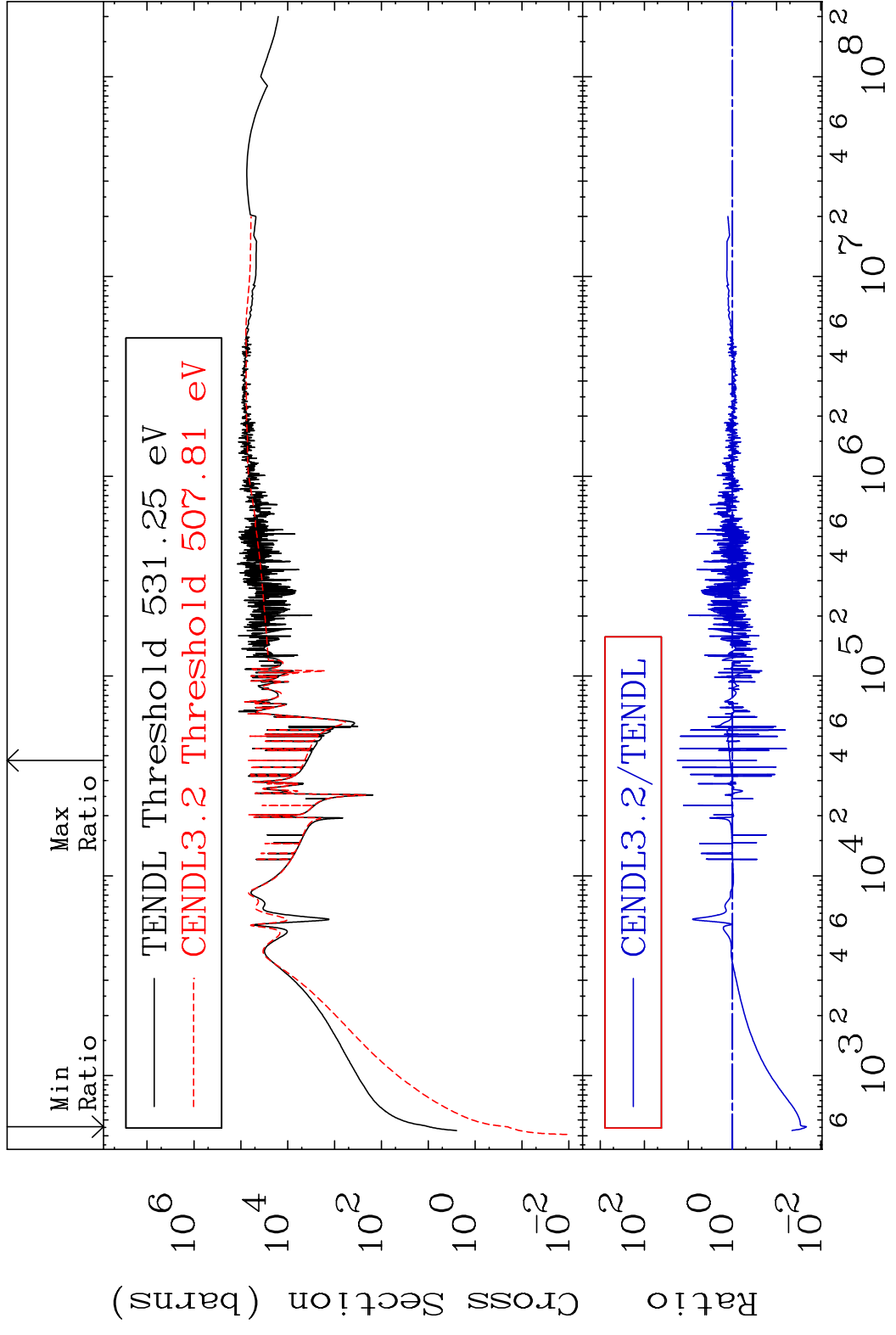
MAT 2434 Total kinematic kerma (high limit) 24-Cr-53
 Cross Section -94.05 To 1732. %



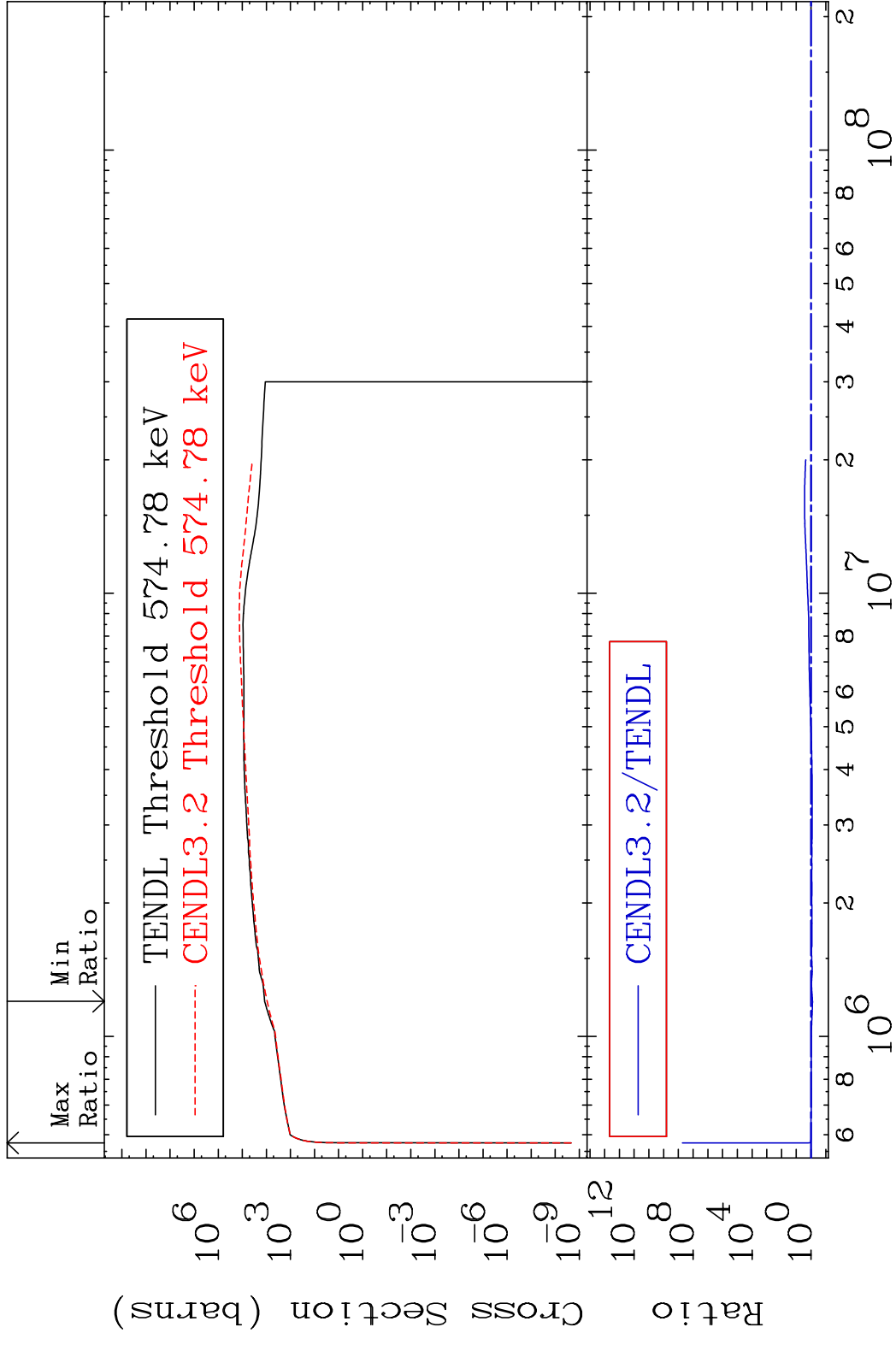
MAT 2434 Dpa total (eV-barns) 24-Cr-53
 Cross Section -94.06 To 1708. %



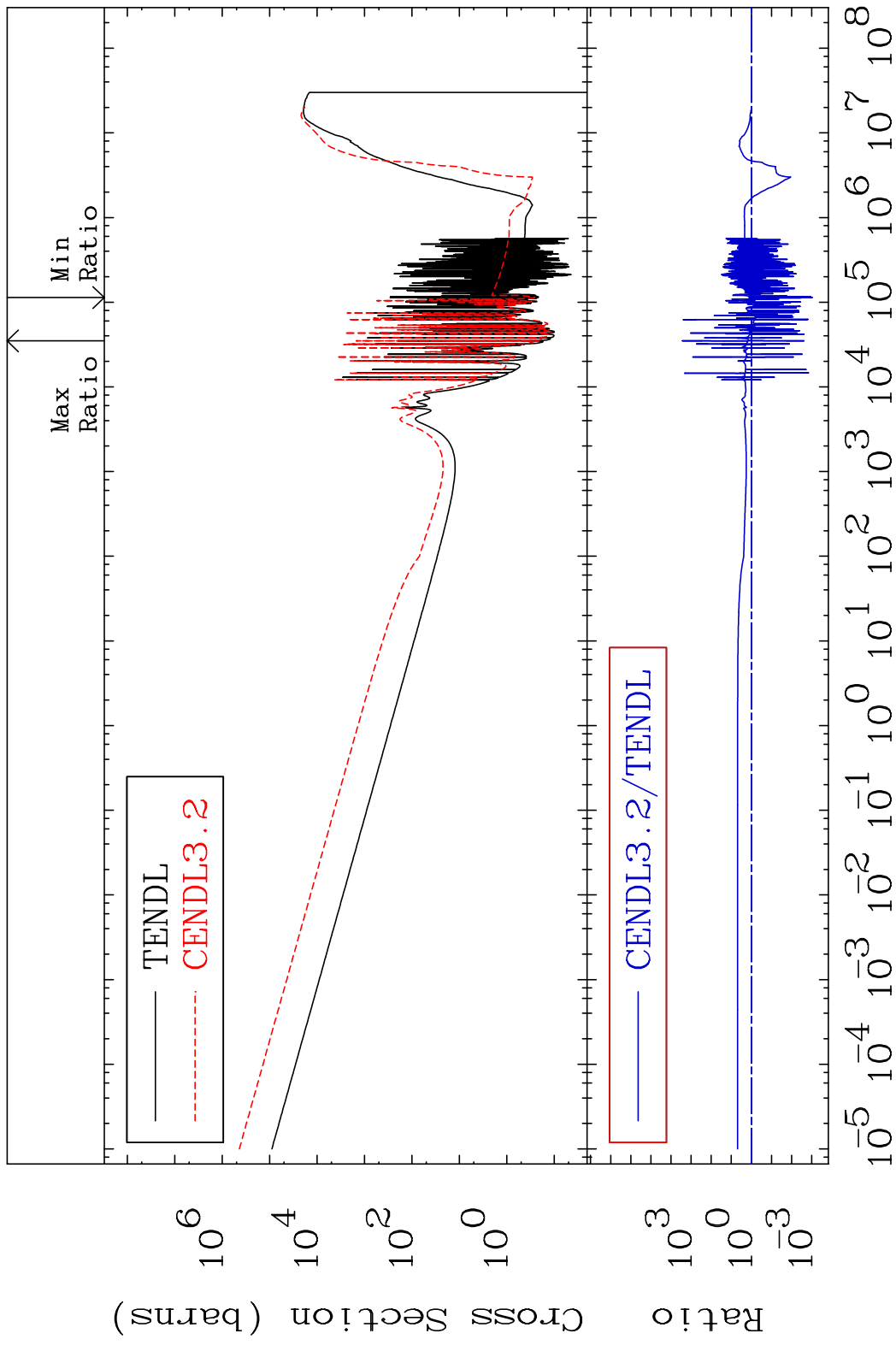
MAT 2434 Dpa elastic (mt2) 24-Cr-53
 Cross Section -97.89 To 1696. %



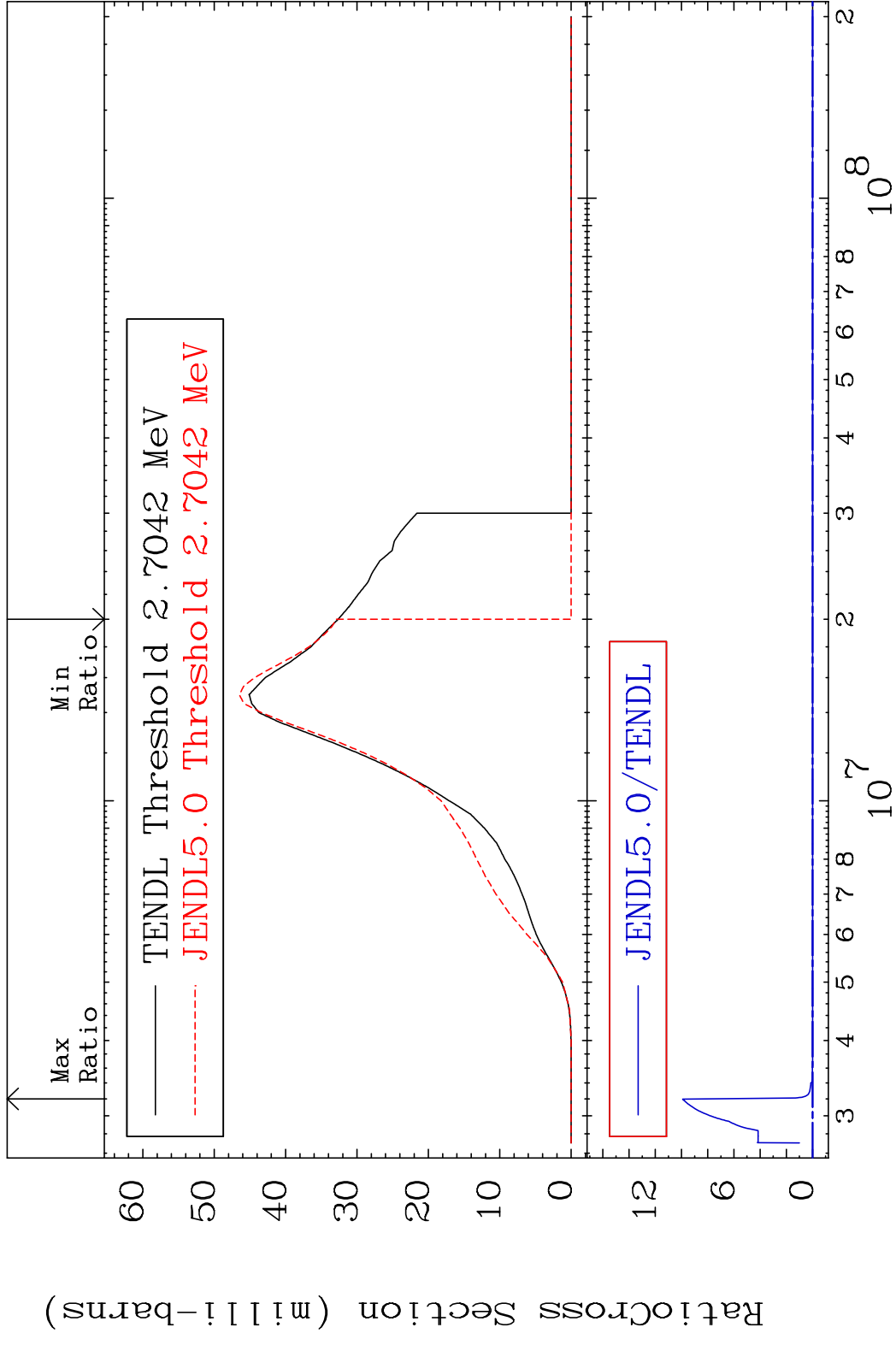
MAT 2434 Dpa inelastic (mt51-91) 24-Cr-53
 Cross Section -21.37 To 9999. %



MAT 2434 Dpa disappearance (mt102 -120) 24-Cr-53
 Cross Section -99.91 To 9999. %



MAT 2434 (n,p) 24-Cr-53
 Cross Section -100.0 To 9999. %



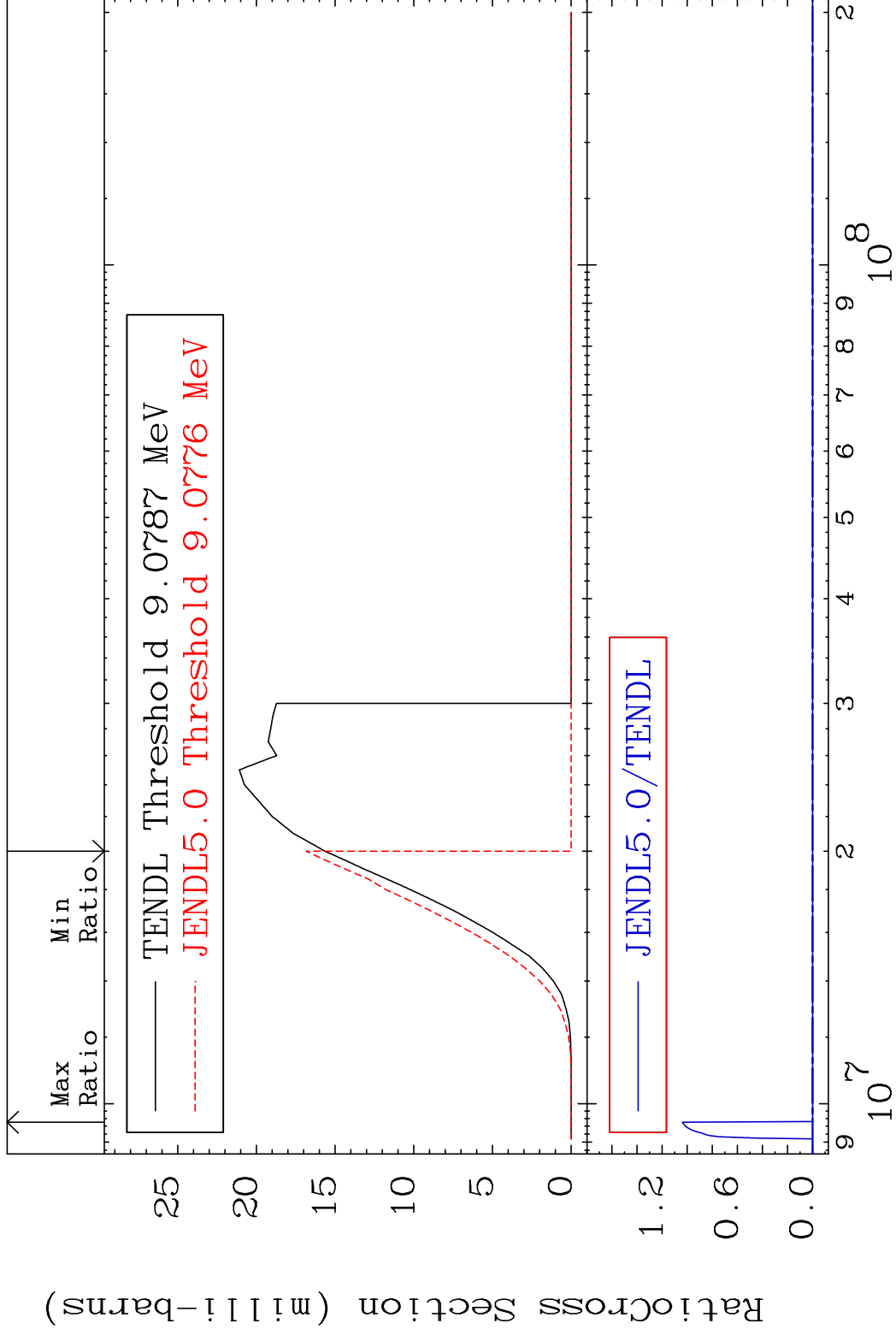
38 Incident Energy (eV) 24-Cr-53

MAT 2434

(n,d)

24-Cr-53

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

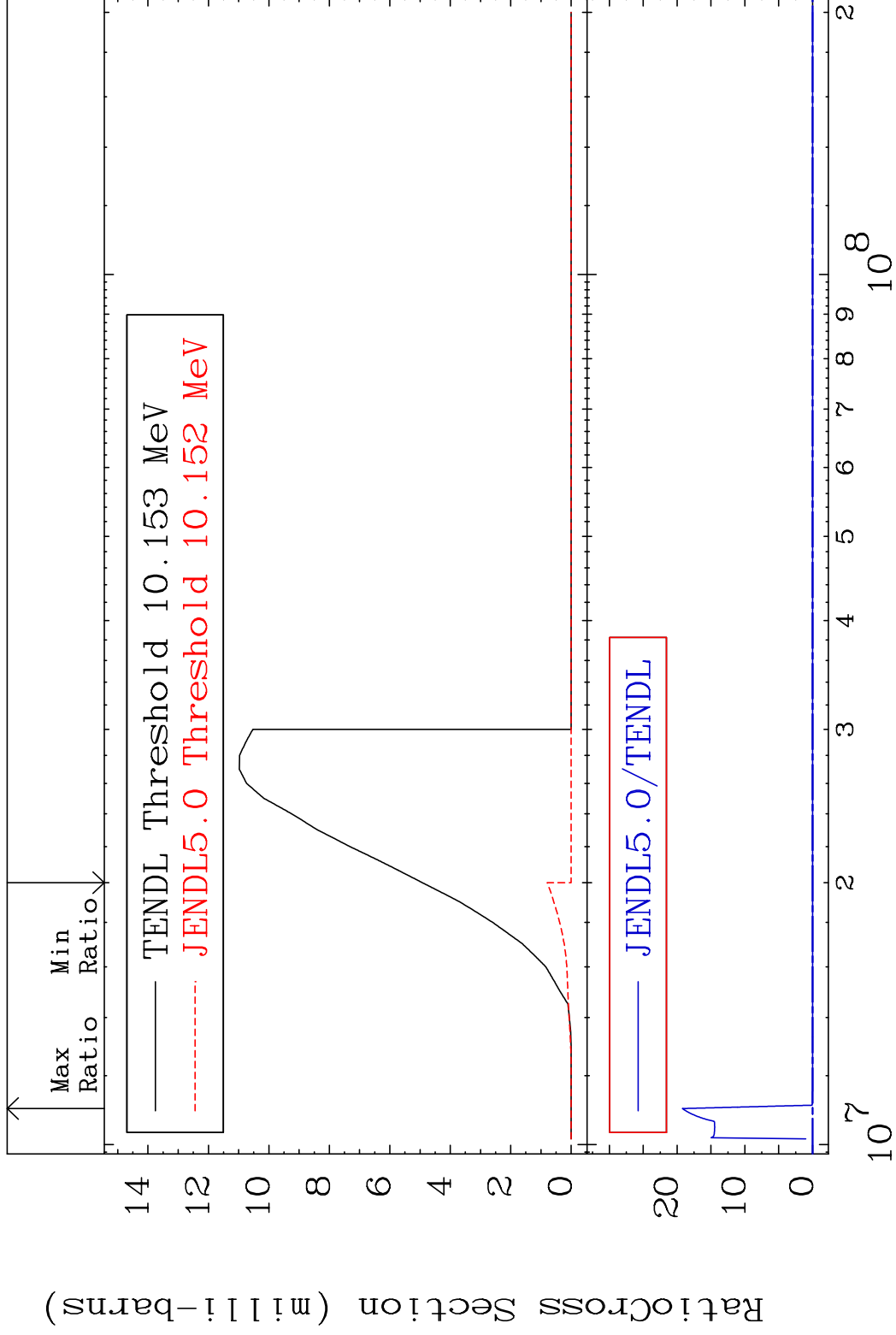
24-Cr-53

MAT 2434

(n, t)

24-Cr-53

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

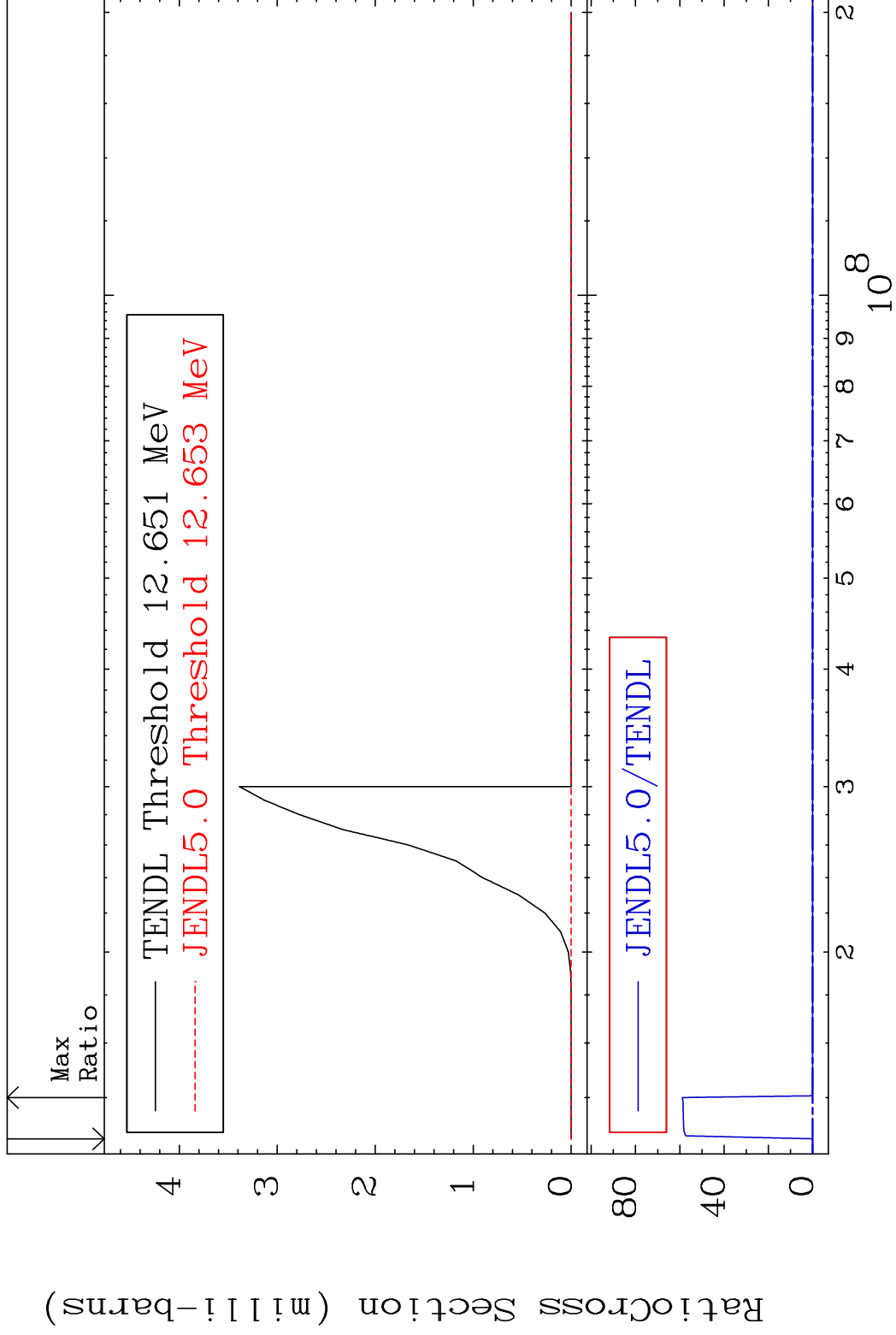
24-Cr-53

MAT 2434

(n, He-3)

²⁴Cr-53

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

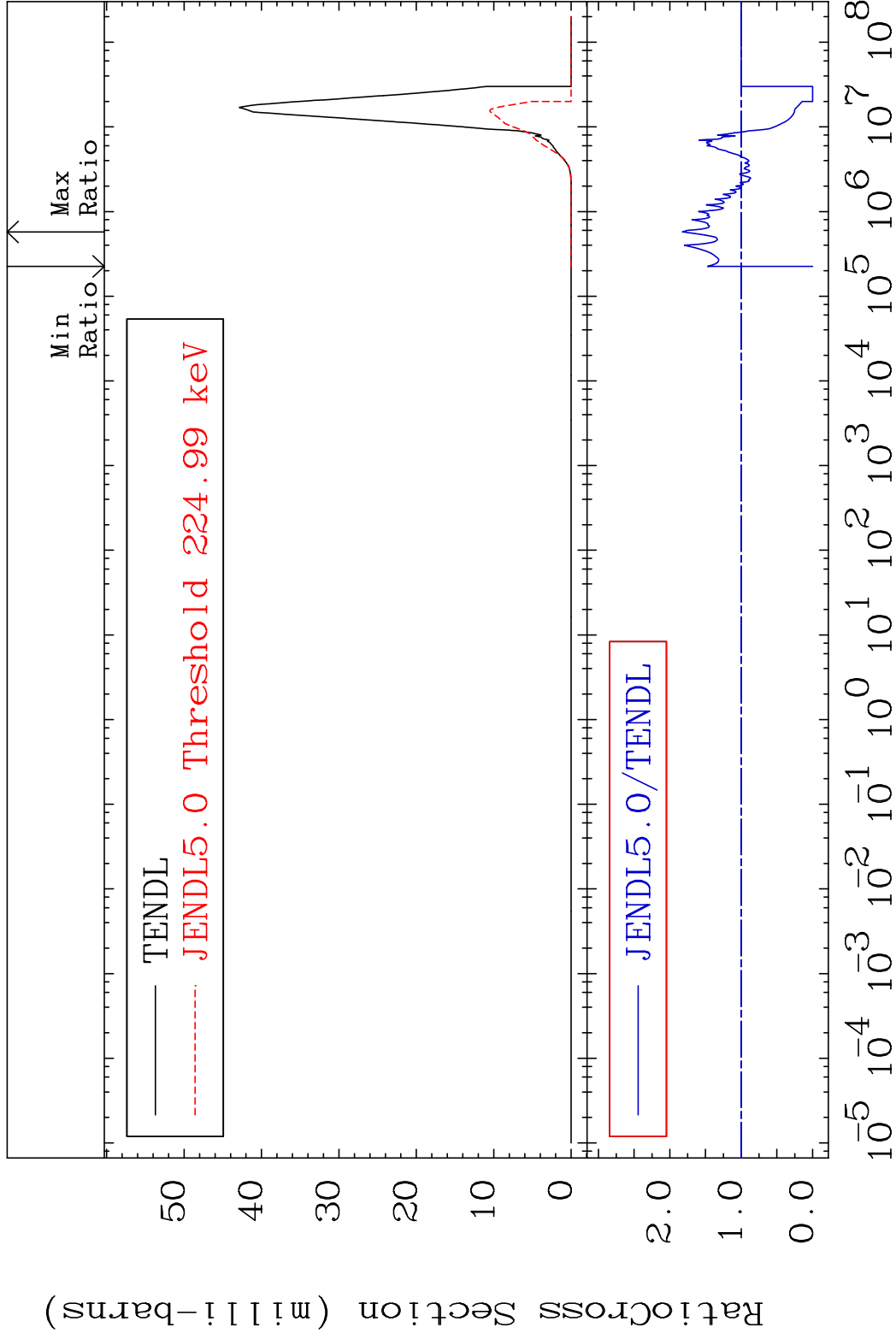
²⁴Cr-53

MAT 2434

(n, α)

24-Cr-53

Cross Section -100.0 To 82.43 %



42

Incident Energy (eV)

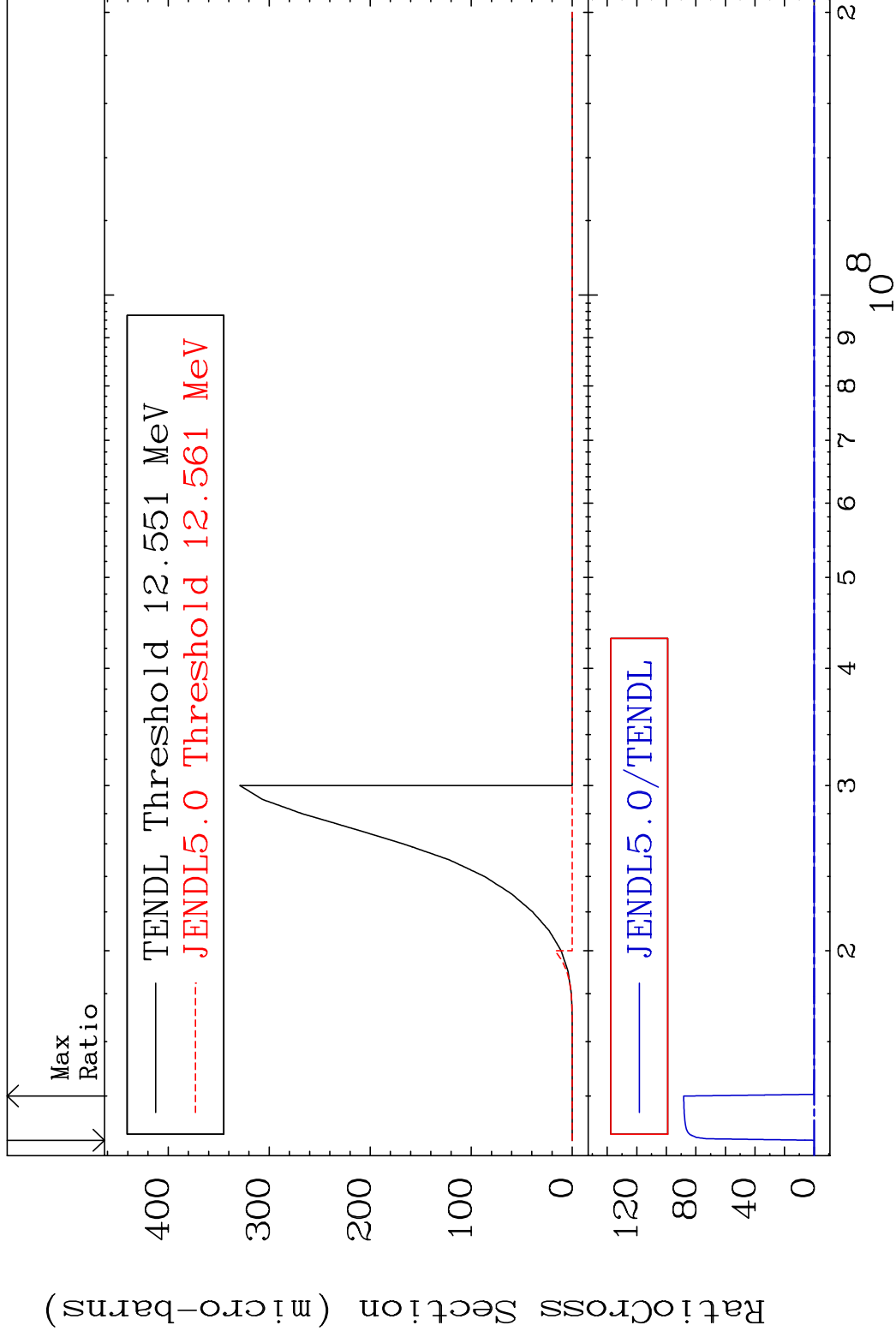
24-Cr-53

MAT 2434

(n,2p)

²⁴Cr-53

Cross Section -100.0 To 9999. %

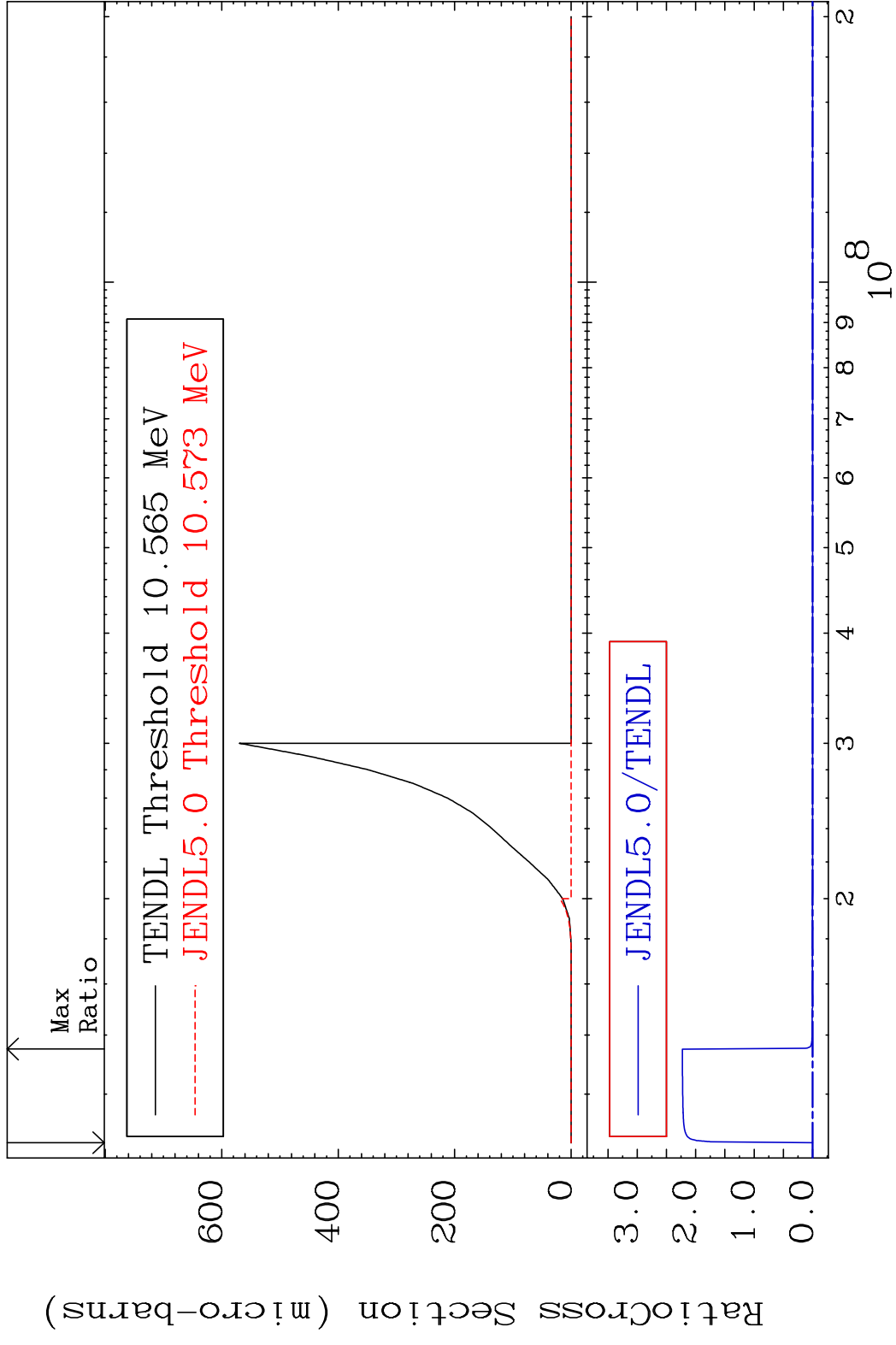


43

Incident Energy (eV)

²⁴Cr-53

MAT 2434 (n,p) α 24-Cr-53
 Cross Section -100.0 To 9999. %

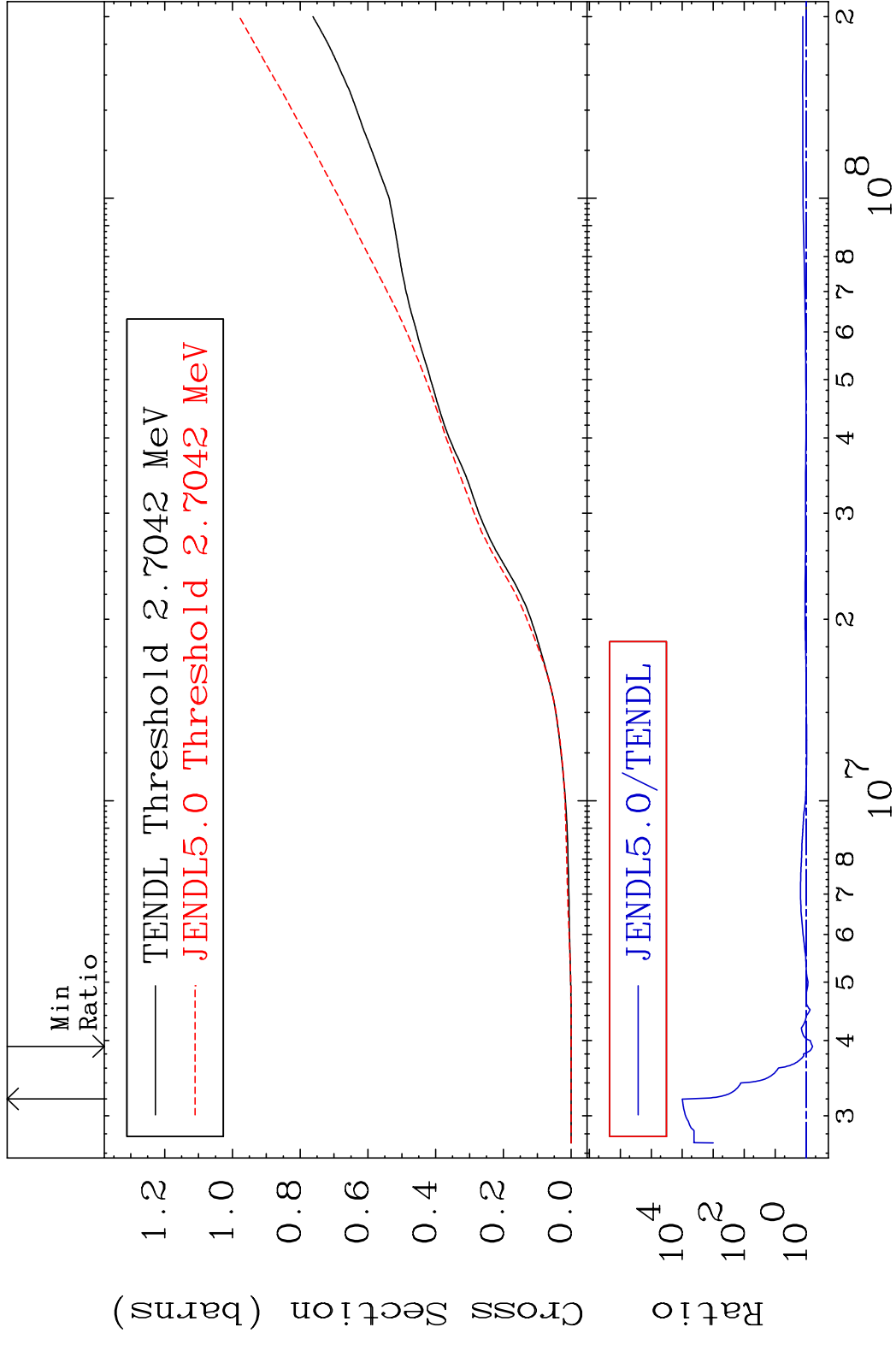


MAT 2434

Hydrogen Production

24-Cr-53

Cross Section -37.23 To 9999. %



45

Incident Energy (eV)

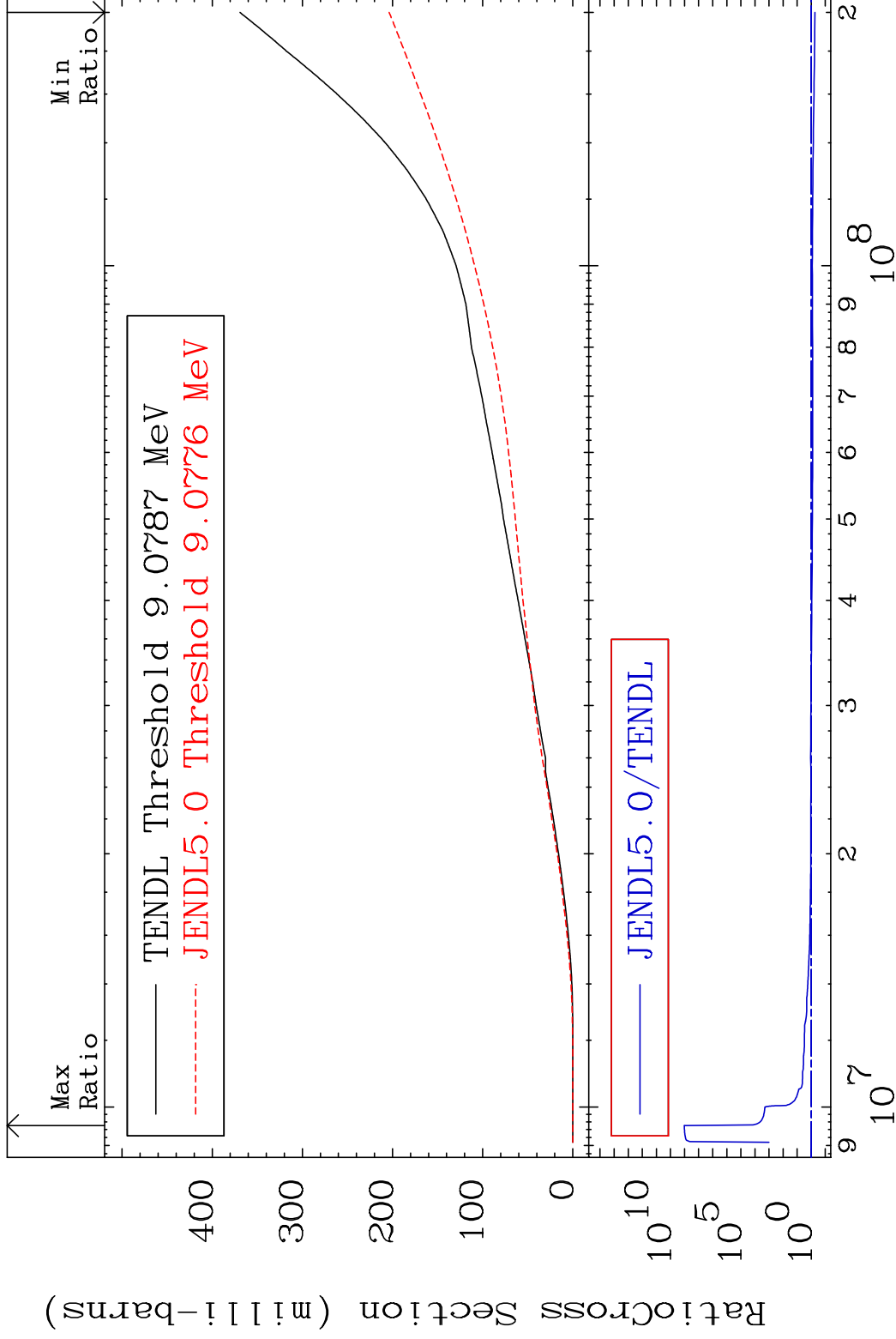
24-Cr-53

MAT 2434

Deuterium Production

24-Cr-53

Cross Section -44.82 To 9999. %



46

Incident Energy (eV)

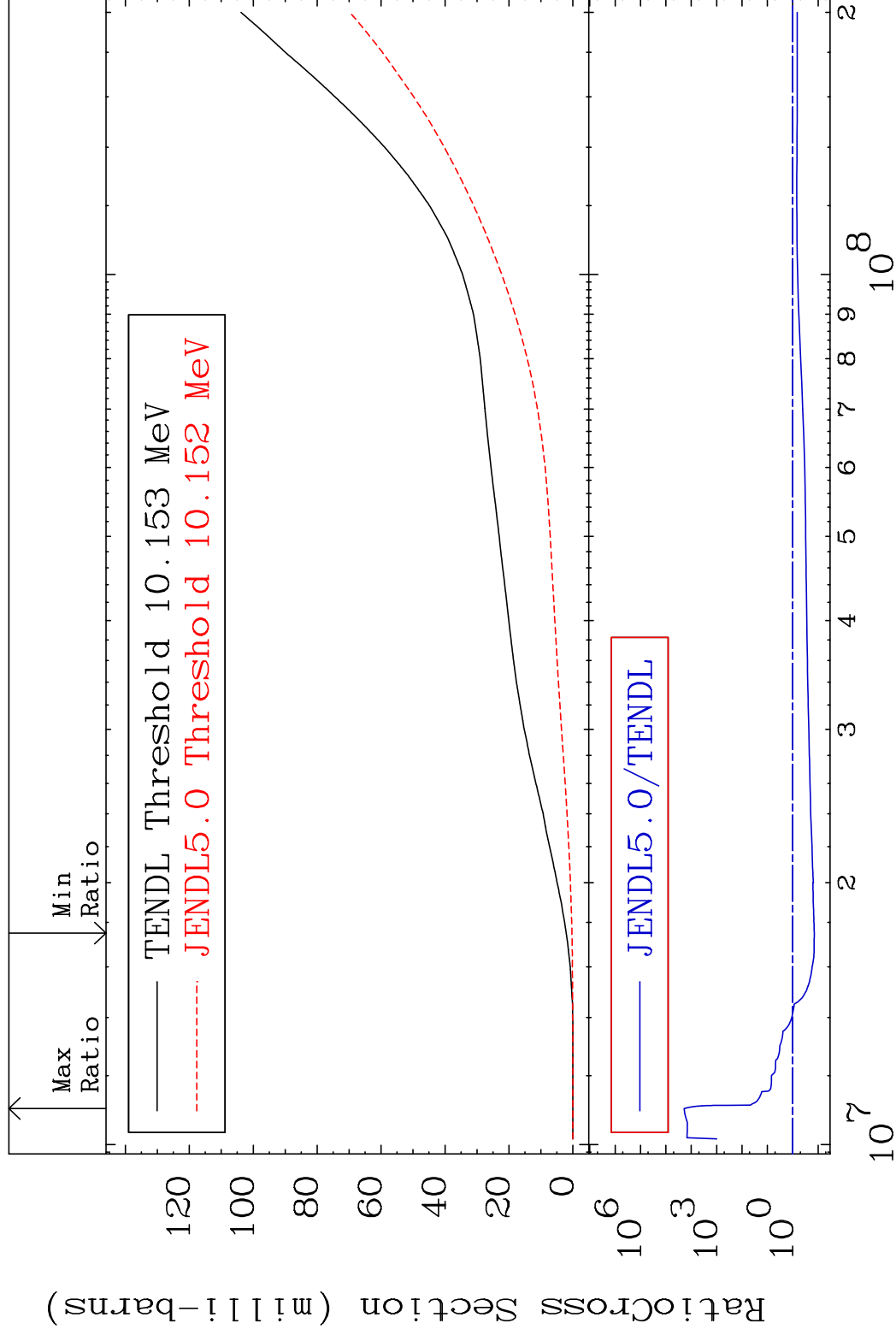
24-Cr-53

MAT 2434

Tritium Production

24-Cr-53

Cross Section -85.80 To 9999. %

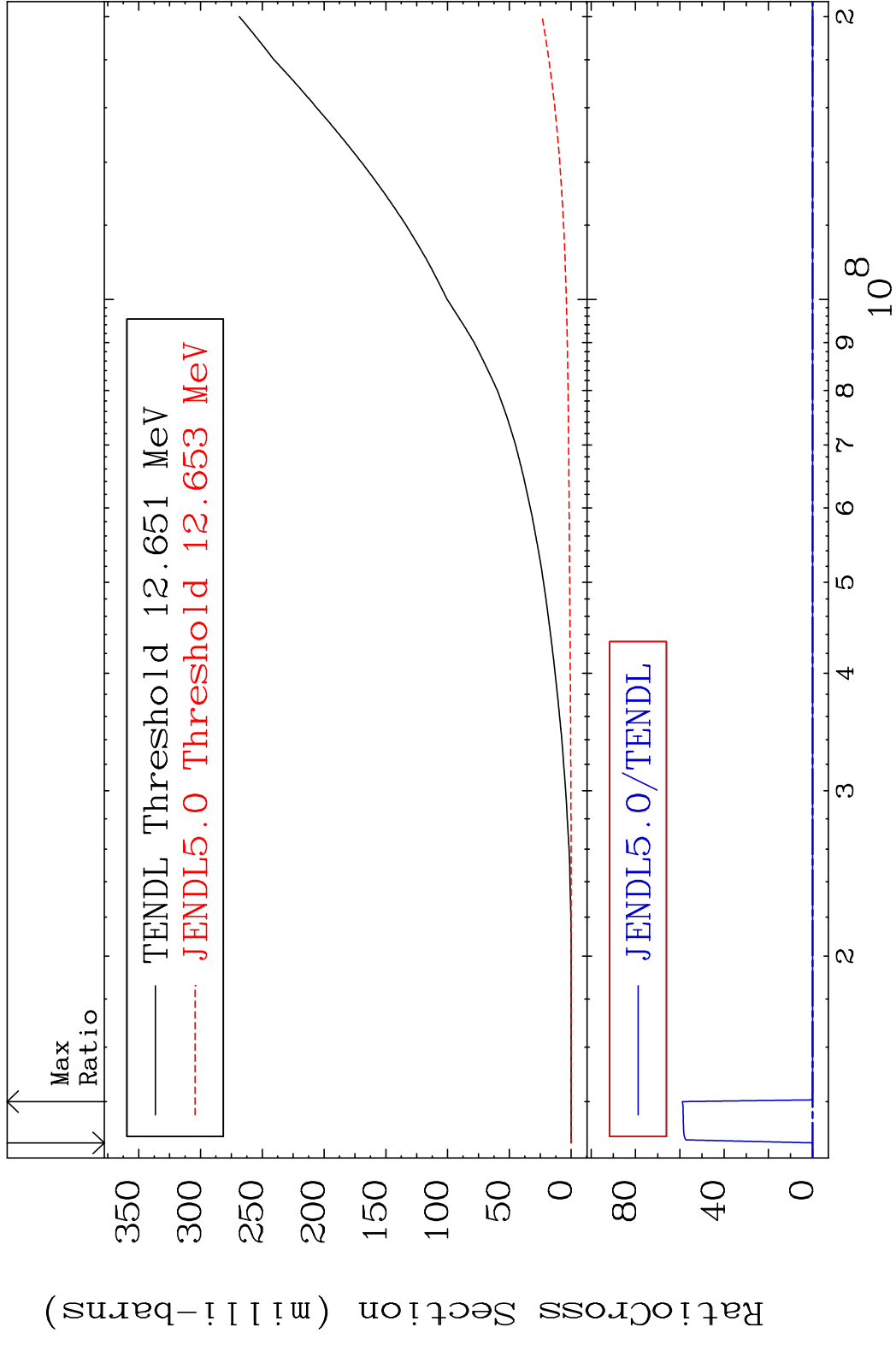


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Incident Energy (eV)

24-Cr-53

MAT 2434 He-3 Production 24-Cr-53
 Cross Section -100.0 To 9999. %

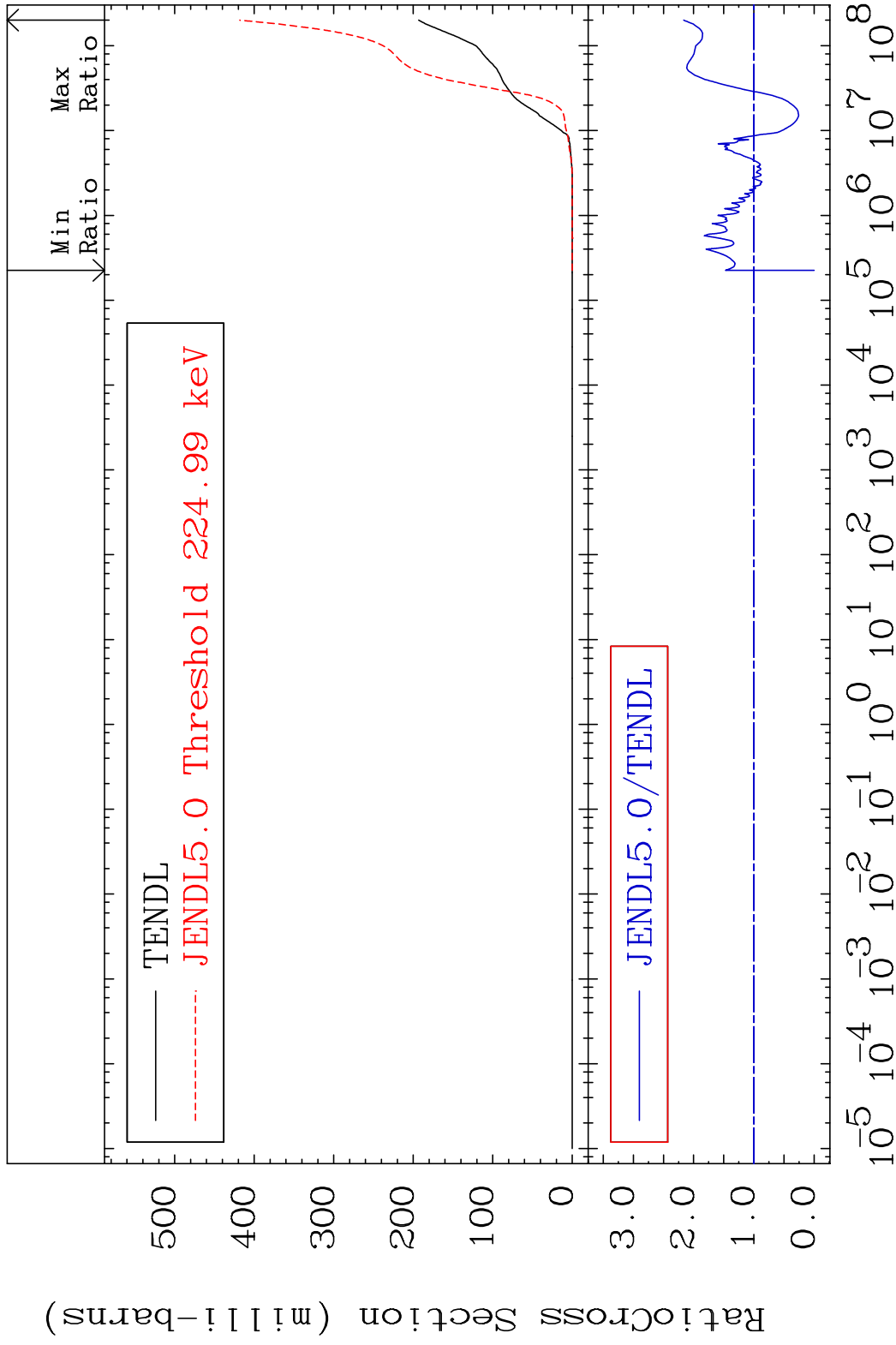


MAT 2434

He-4 Production

²⁴Cr-53

Cross Section -100.0 To 116.5 %



49

Incident Energy (eV)

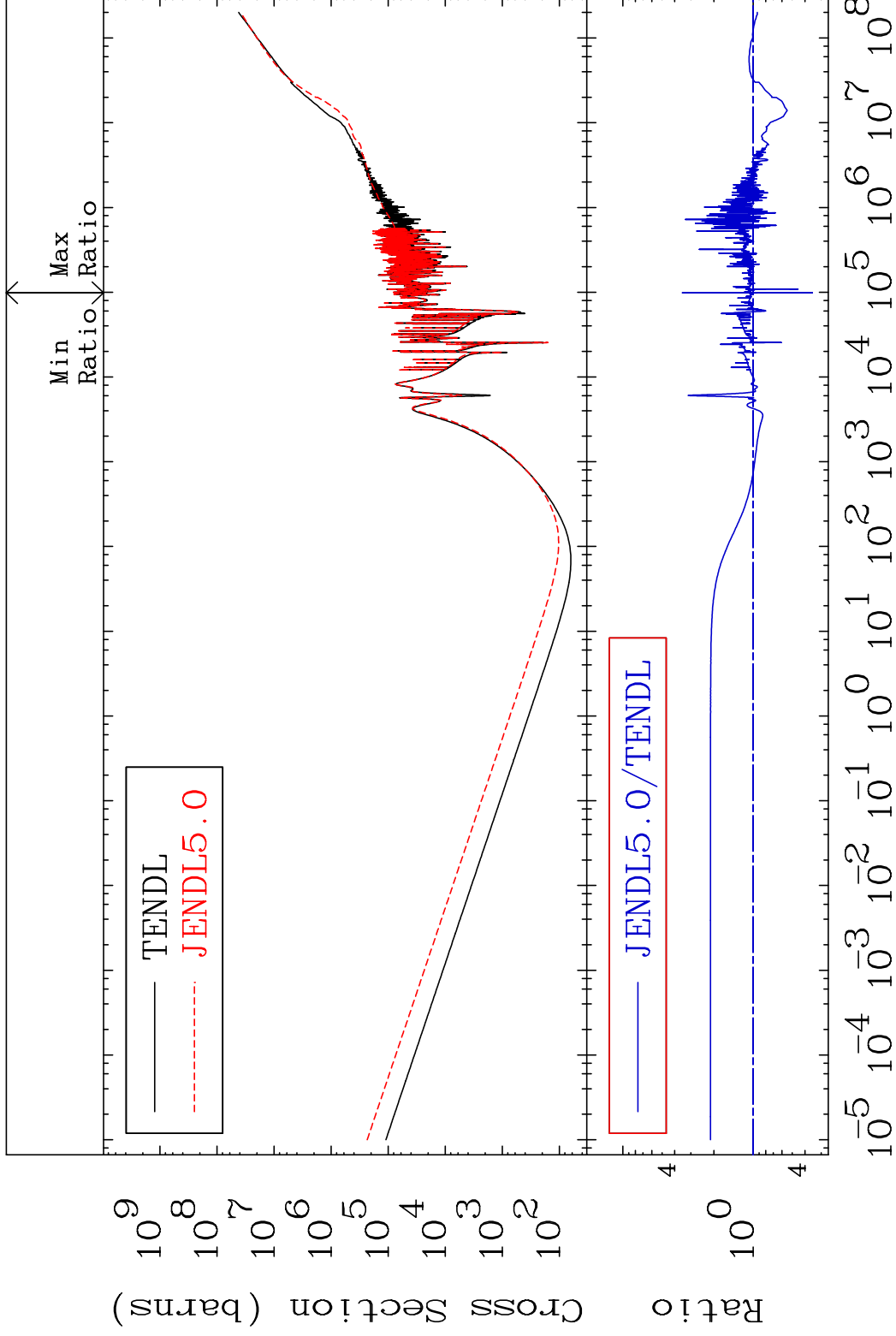
²⁴Cr-53

MAT 2434

Kerma total (eV-barns)

24-Cr-53

Cross Section -65.03 To 250.4 %



50

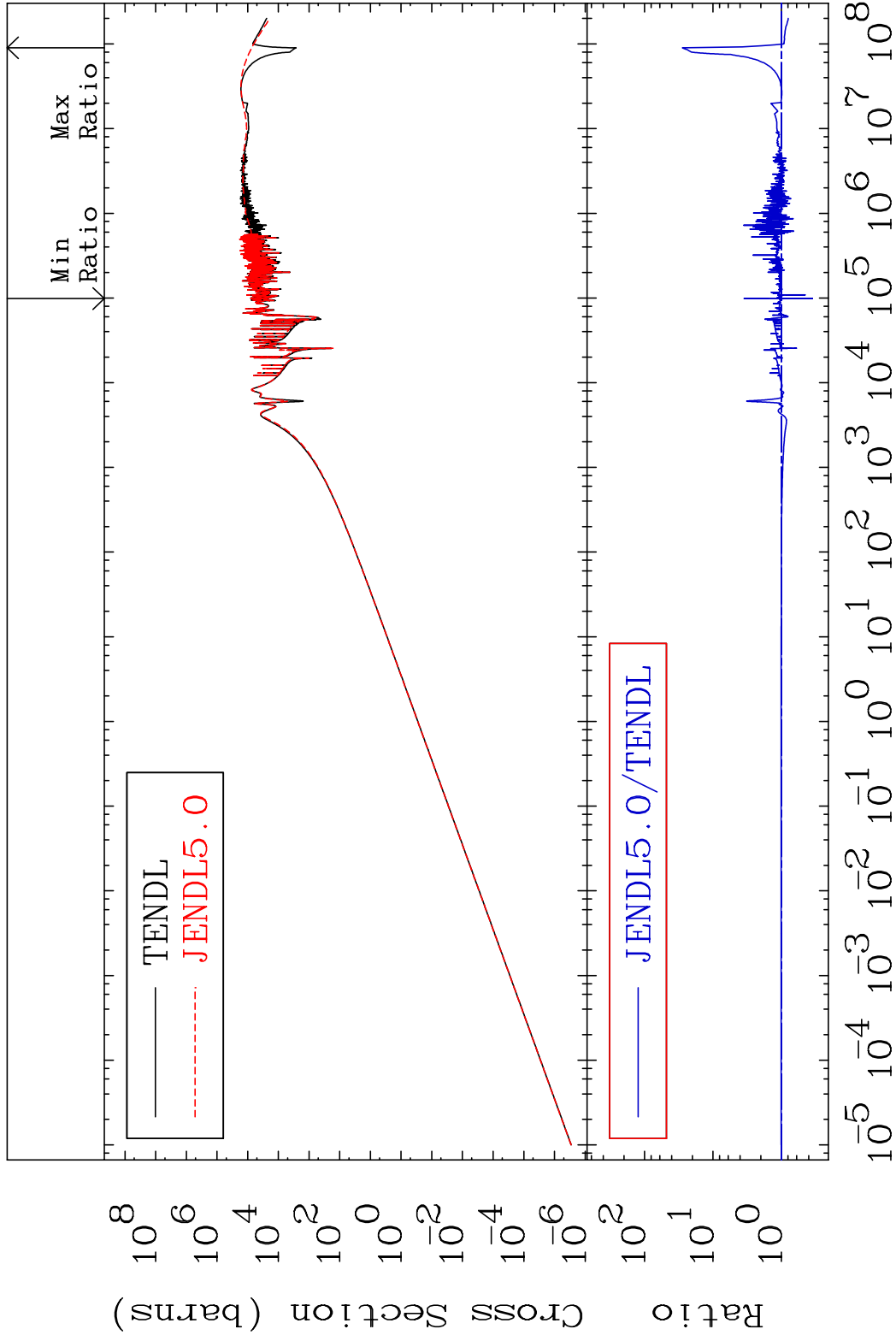
Incident Energy (eV)

24-Cr-53

MAT 2434

Kerma elastic
Cross Section

24-Cr-53
-64.97 To 2701. %

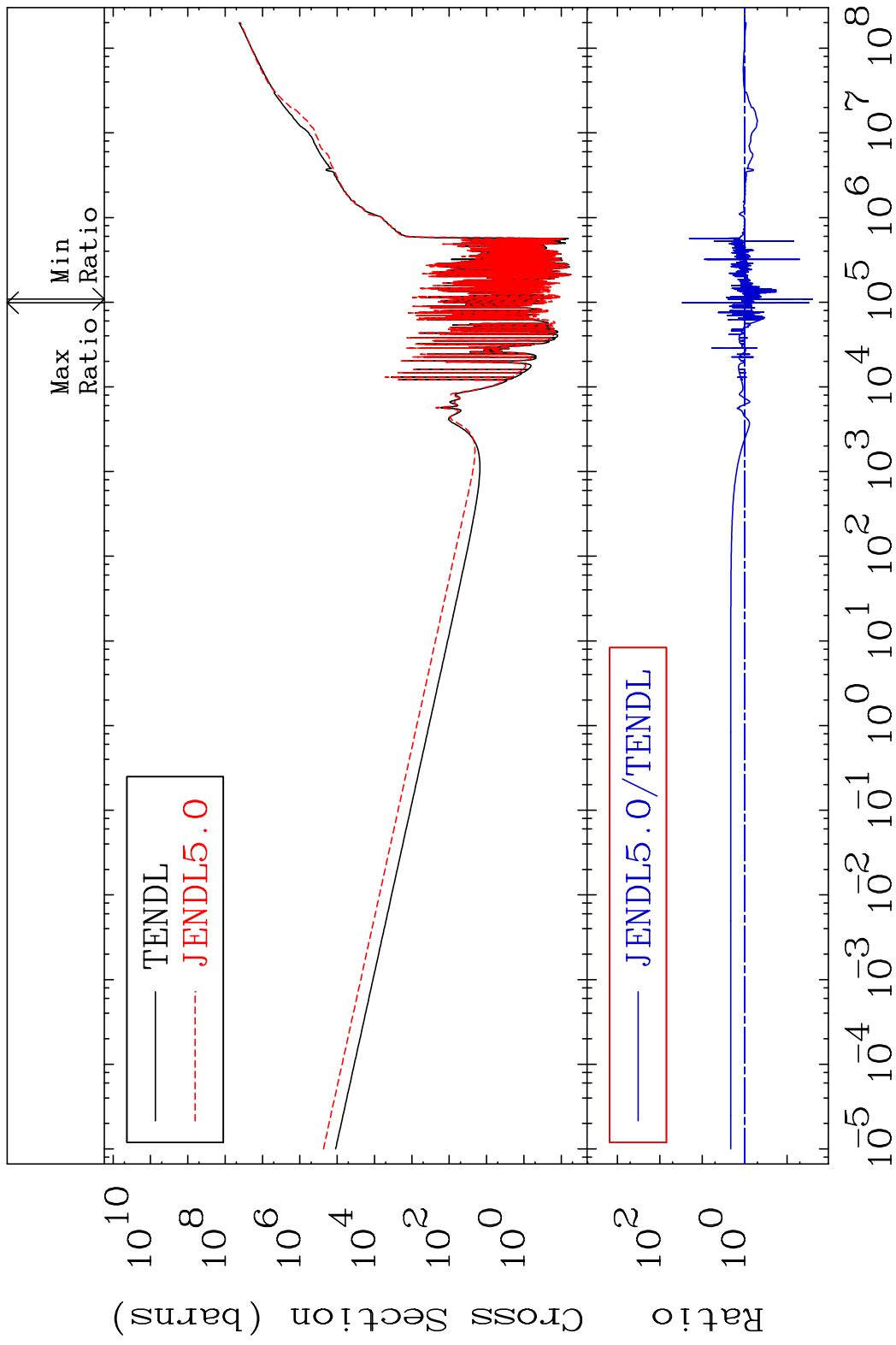


51

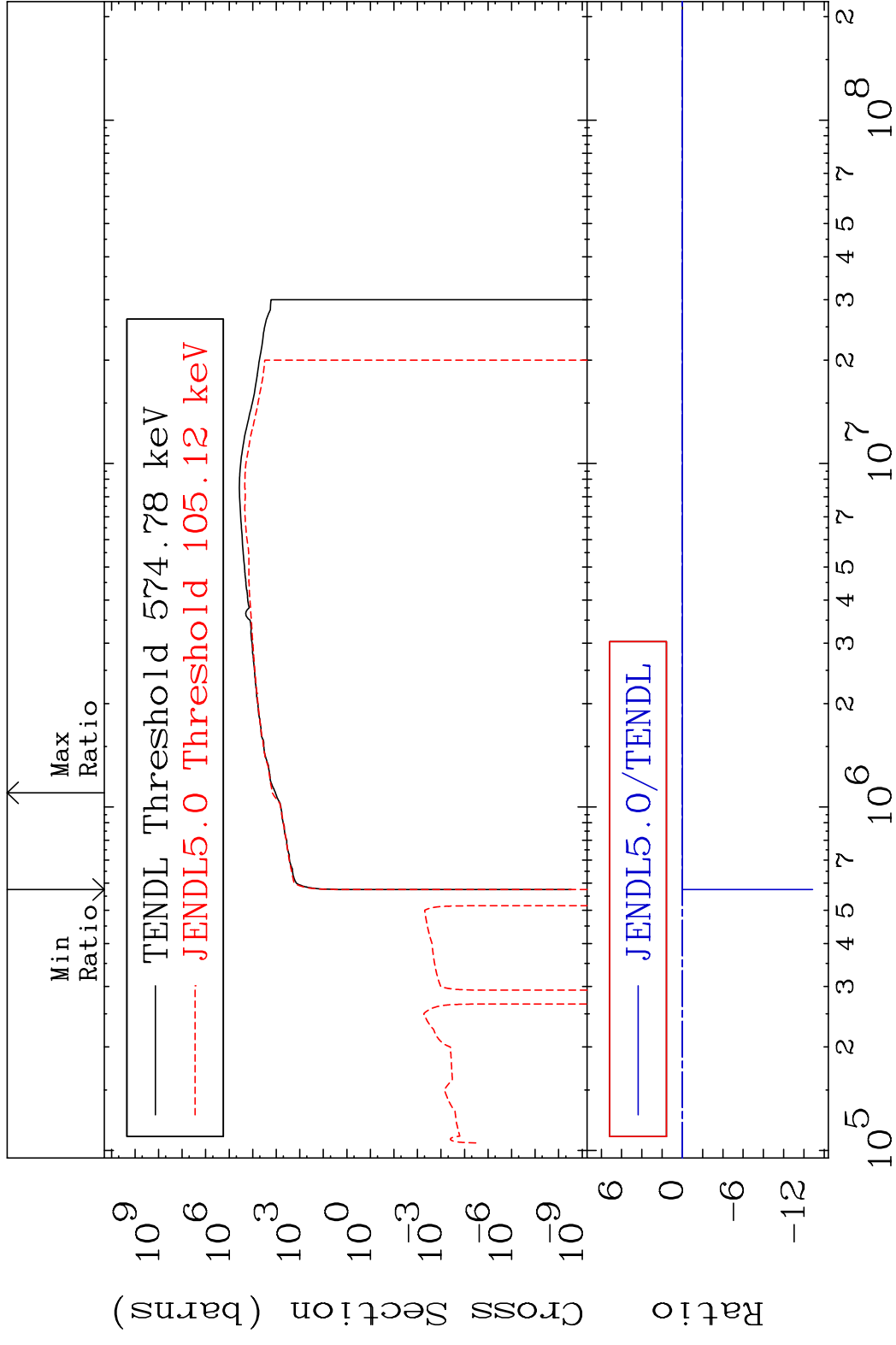
Incident Energy (eV)

24-Cr-53

MAT 2434 Kerma non-elastic (all but mt2) 24-Cr-53
 Cross Section -97.50 To 2831. %

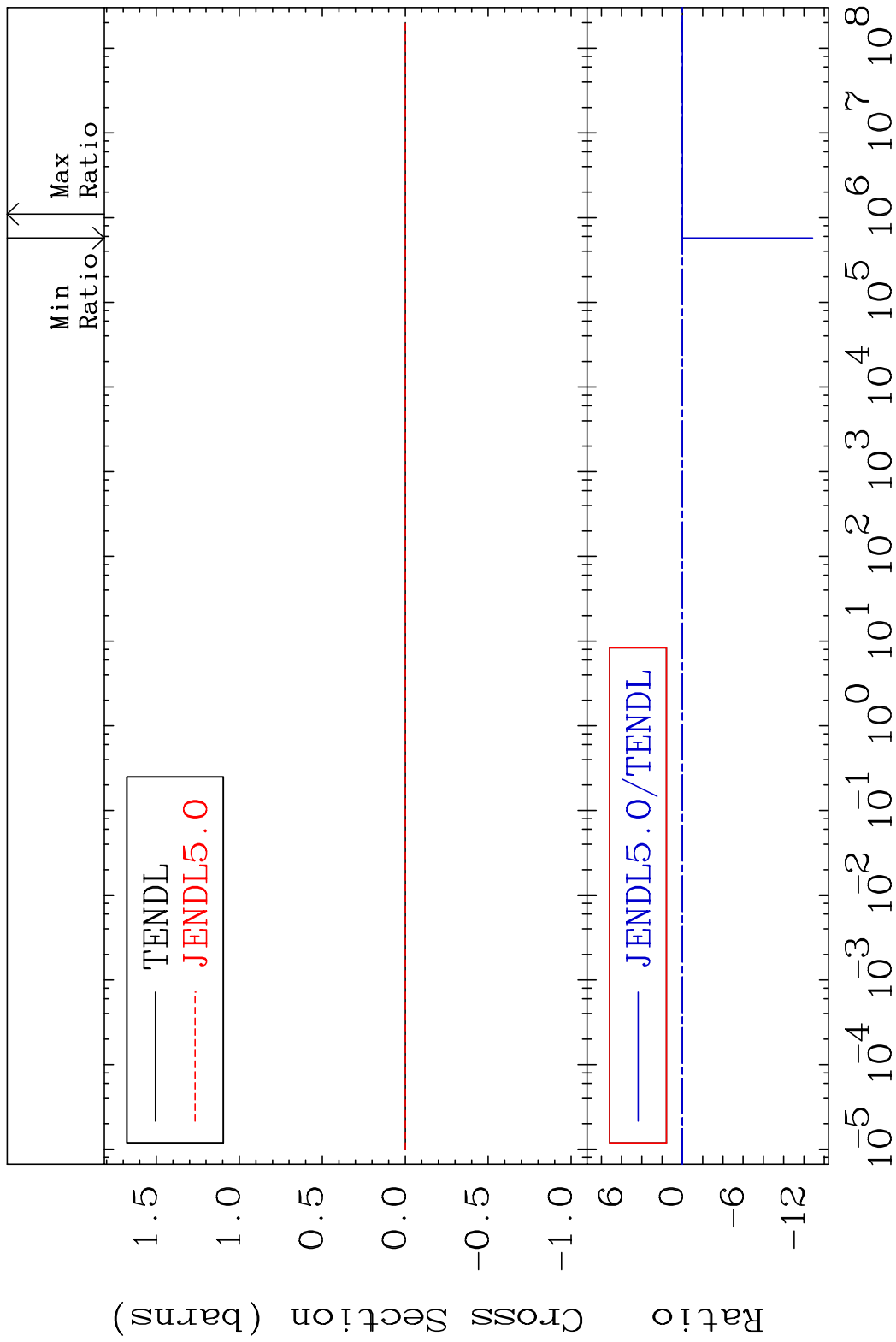


MAT 2434 Kerma inelastic (mt51-91) 24-Cr-53
 Cross Section -9999. To 35.77 %

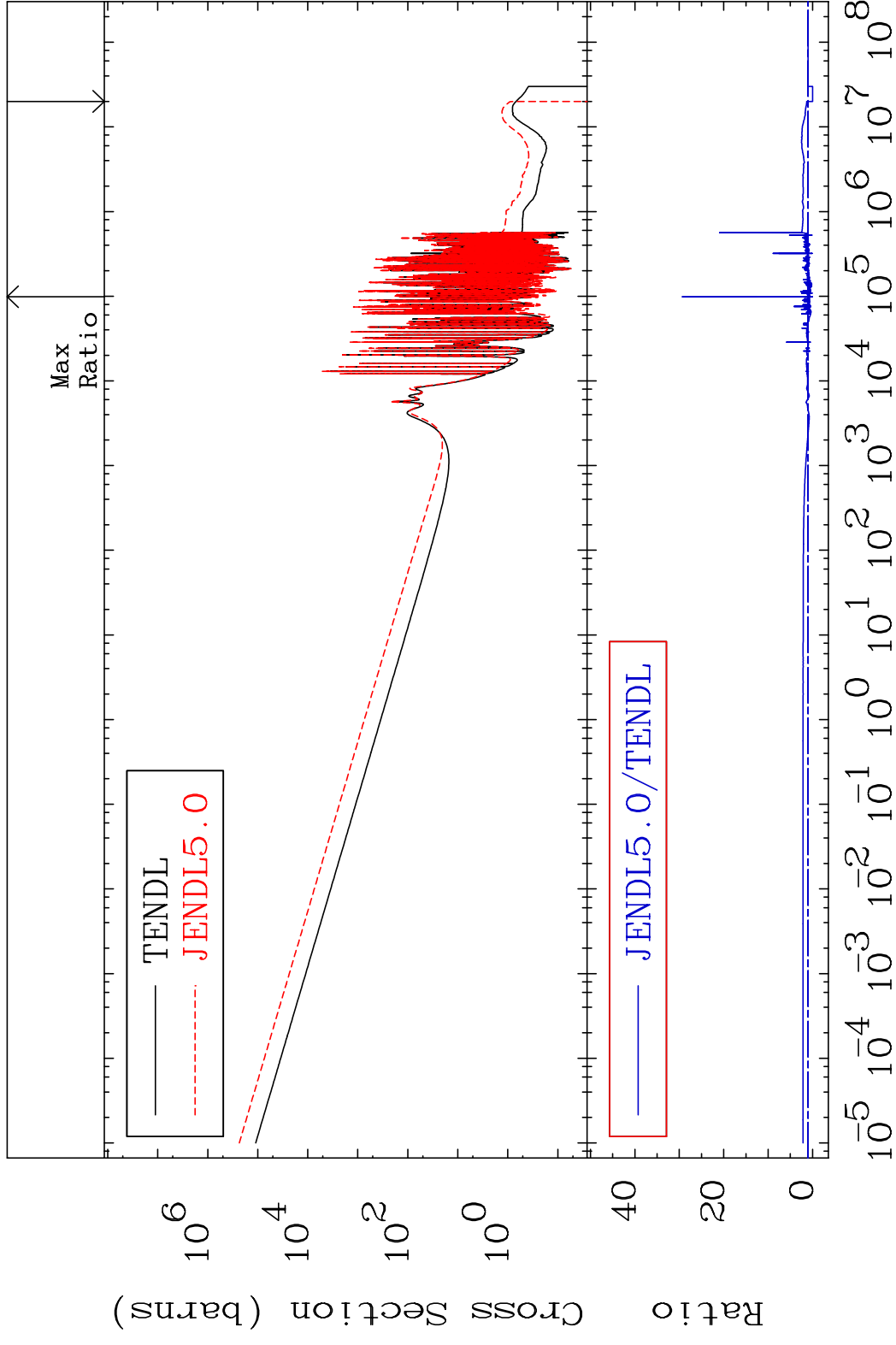


53 24-Cr-53

MAT 2434 Kerma fission (mt18 or mt19-20-21-38) 24-Cr-53
 Cross Section -9999. To 35.77 %



MAT 2434 Kerma capture (mt102) 24-Cr-53
 Cross Section -100.0 To 2831. %



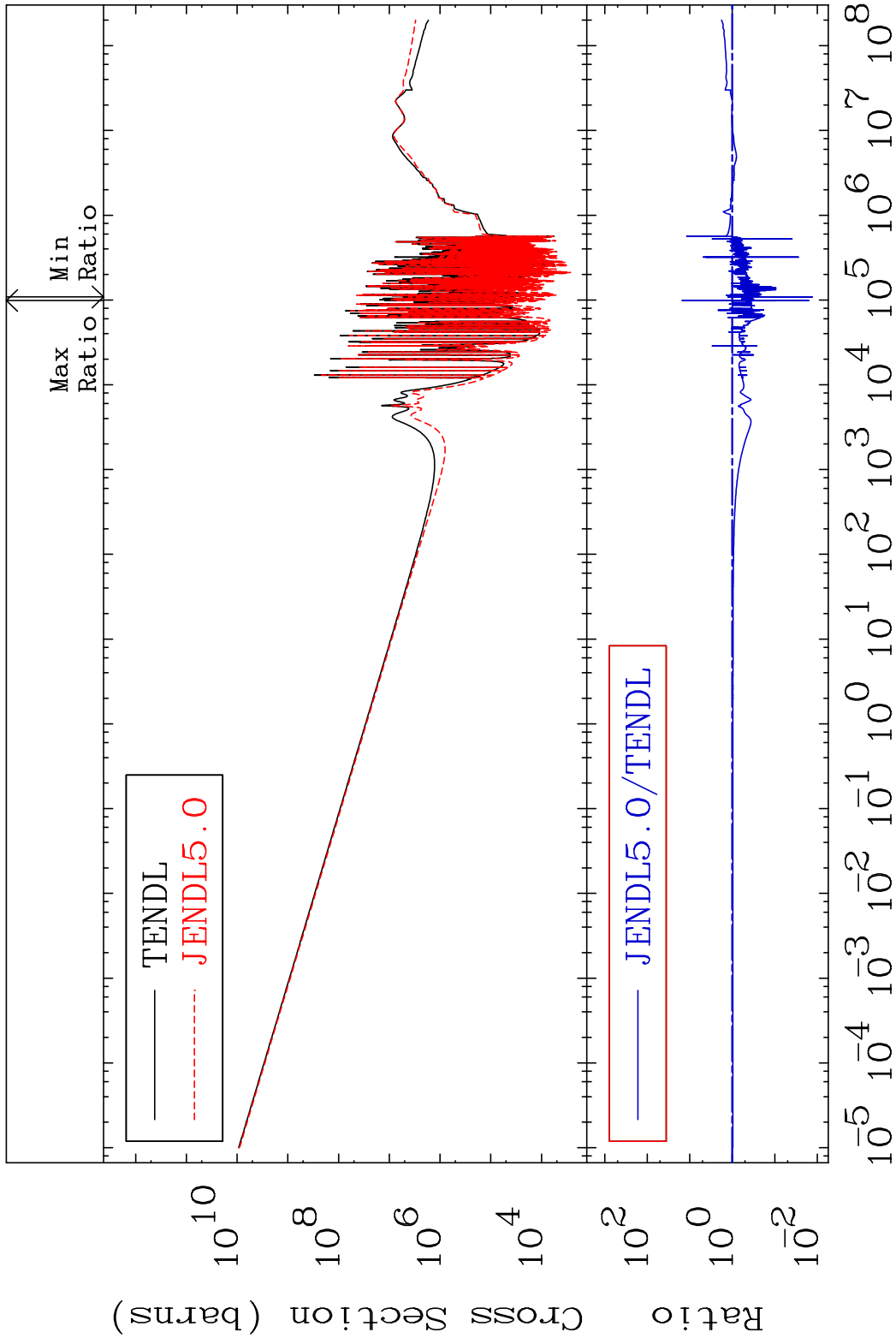
55 Incident Energy (eV) 24-Cr-53

MAT 2434

Total photon (eV-barns)

24-Cr-53

Cross Section -98.71 To 1414. %

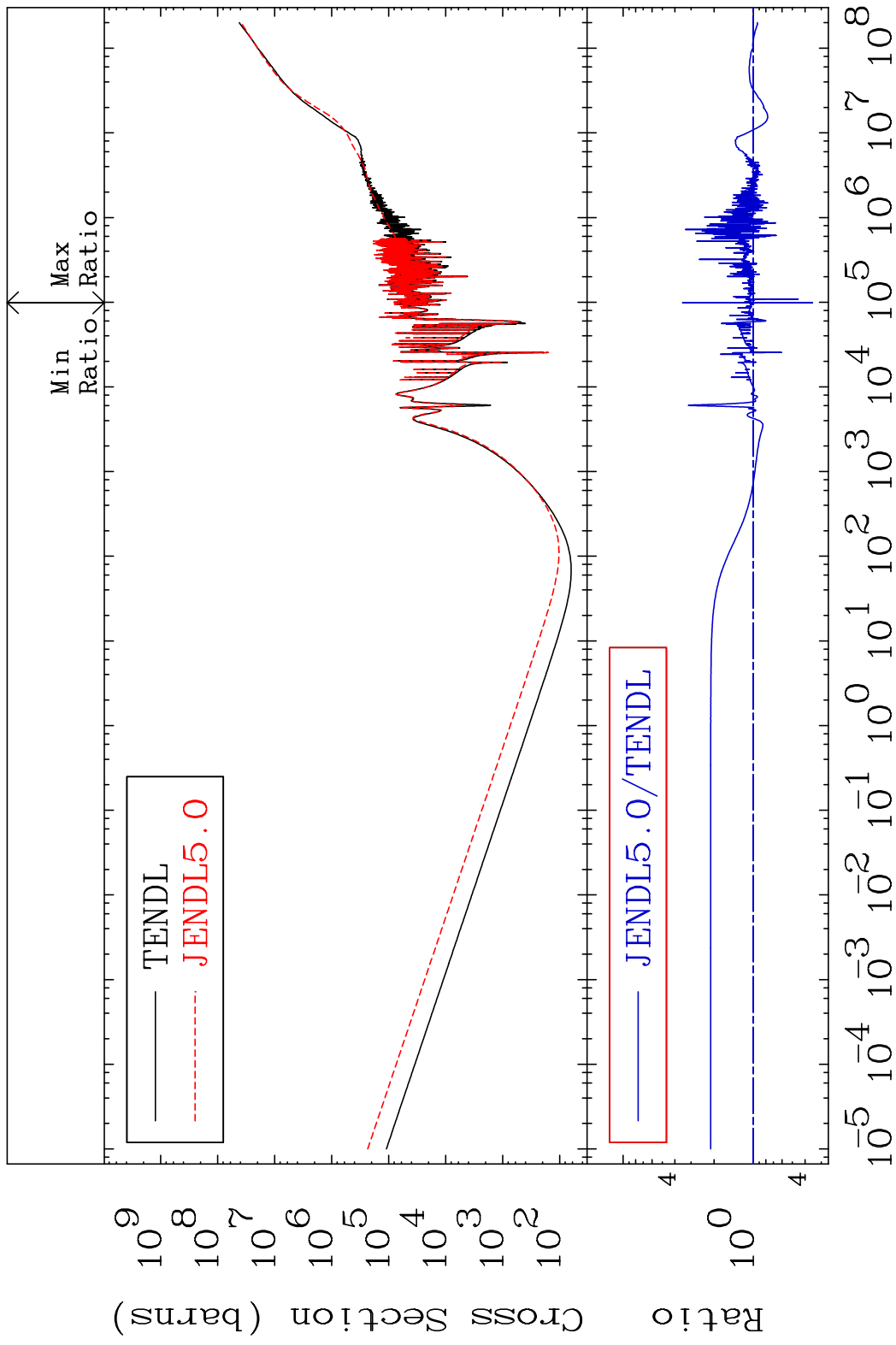


56

Incident Energy (eV)

24-Cr-53

MAT 2434 Total kinematic kerma (high limit) 24-Cr-53
 Cross Section -65.03 To 250.4 %

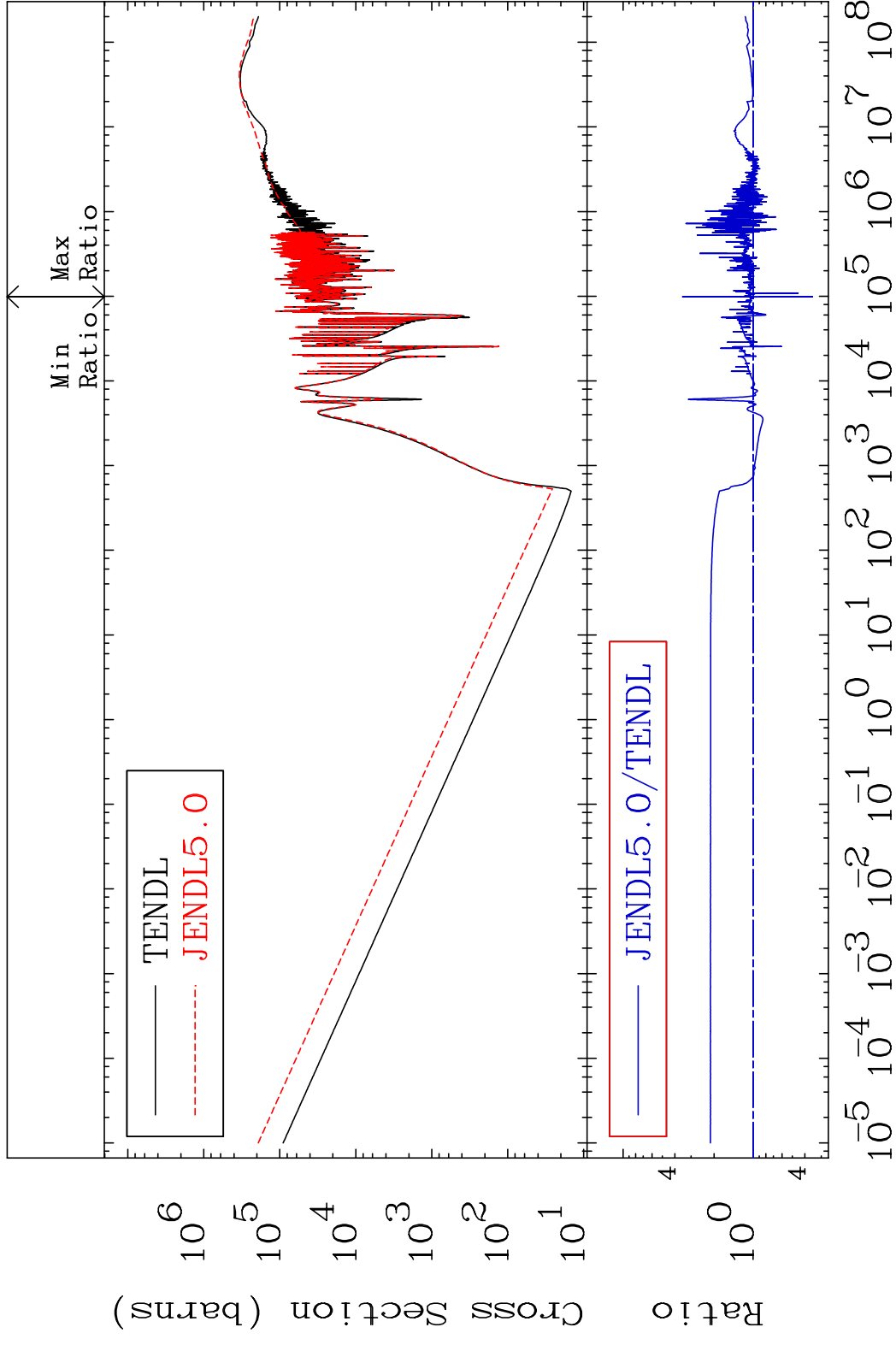


MAT 2434

Dpa total (eV-barns)

24-Cr-53

Cross Section -65.04 To 250.4 %

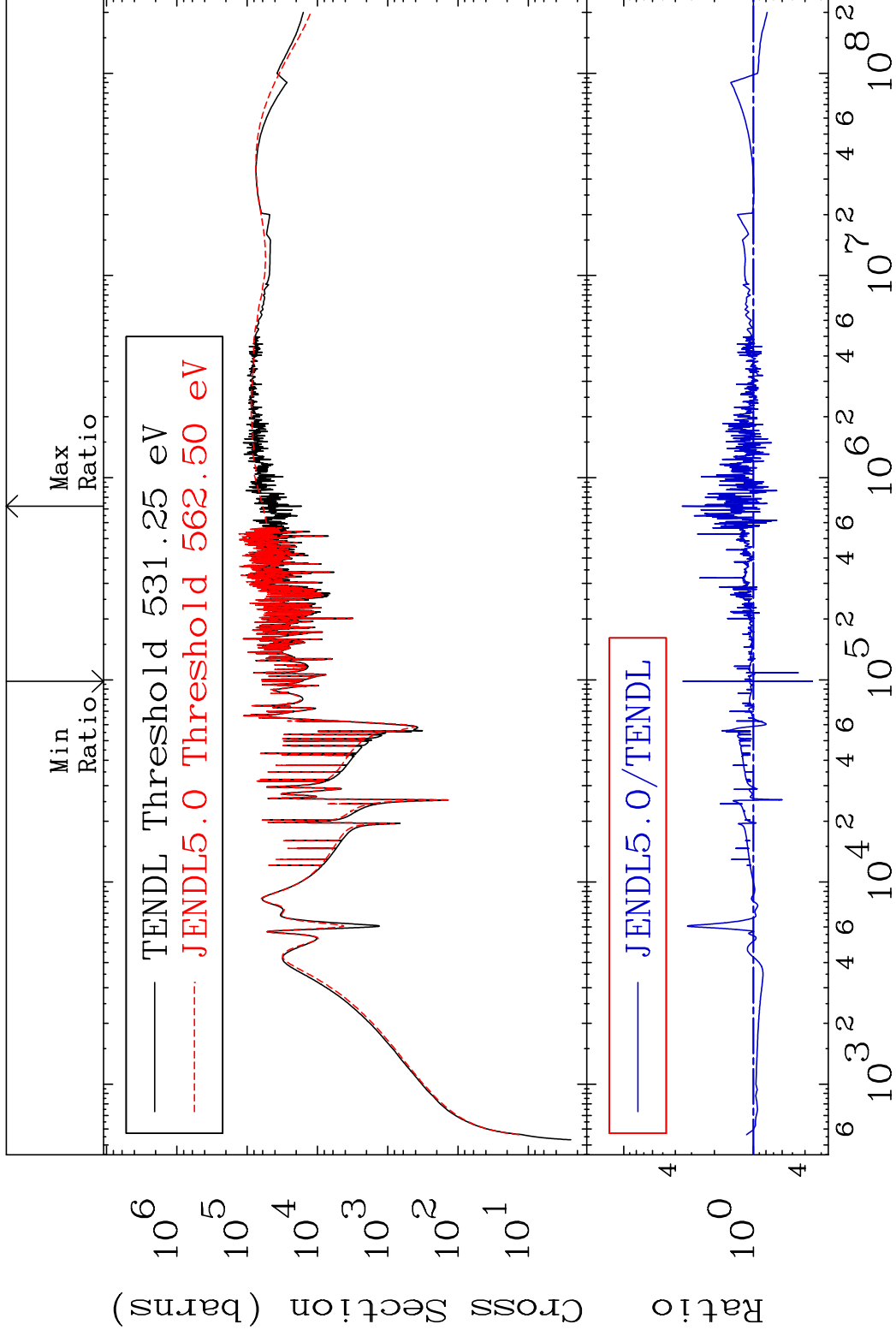


MAT 2434

Dpa elastic (mt2)

²⁴Cr-53

Cross Section -64.97 To 254.1 %

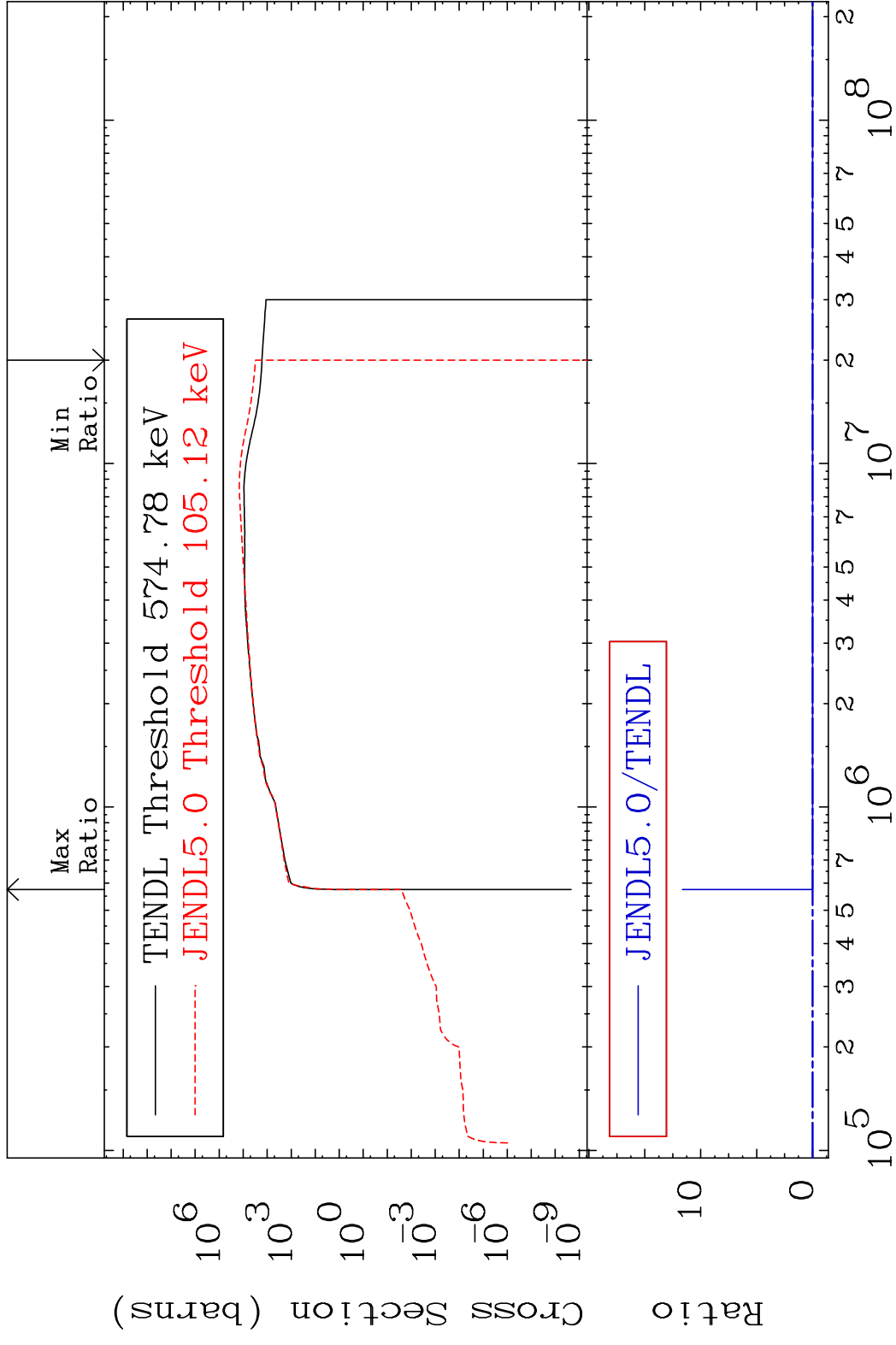


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Incident Energy (eV)

²⁴Cr-53

MAT 2434 Dpa inelastic (mt51-91) 24-Cr-53
 Cross Section -100.0 To 9999. %



60 Incident Energy (eV) 24-Cr-53

MAT 2434 Dpa disappearance (mt102 -120) 24-Cr-53
 Cross Section -100.0 To 2846. %

