

Program Complot
(Version 2021-1)

by

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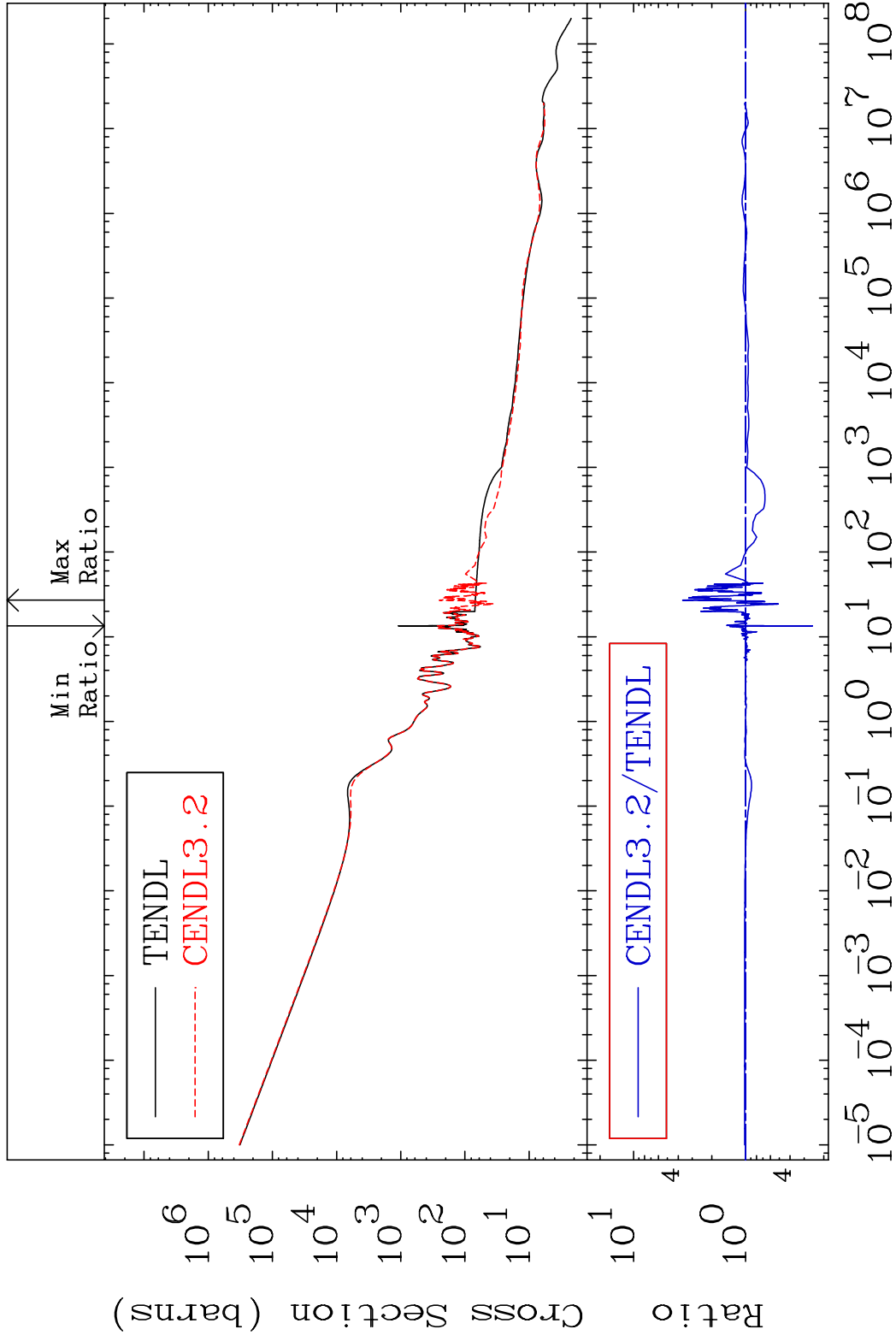
Press Mouse Button to Start

MAT 9547

Total

95-Am-242m

Cross Section -74.78 To 267.2 %



1

Incident Energy (eV)

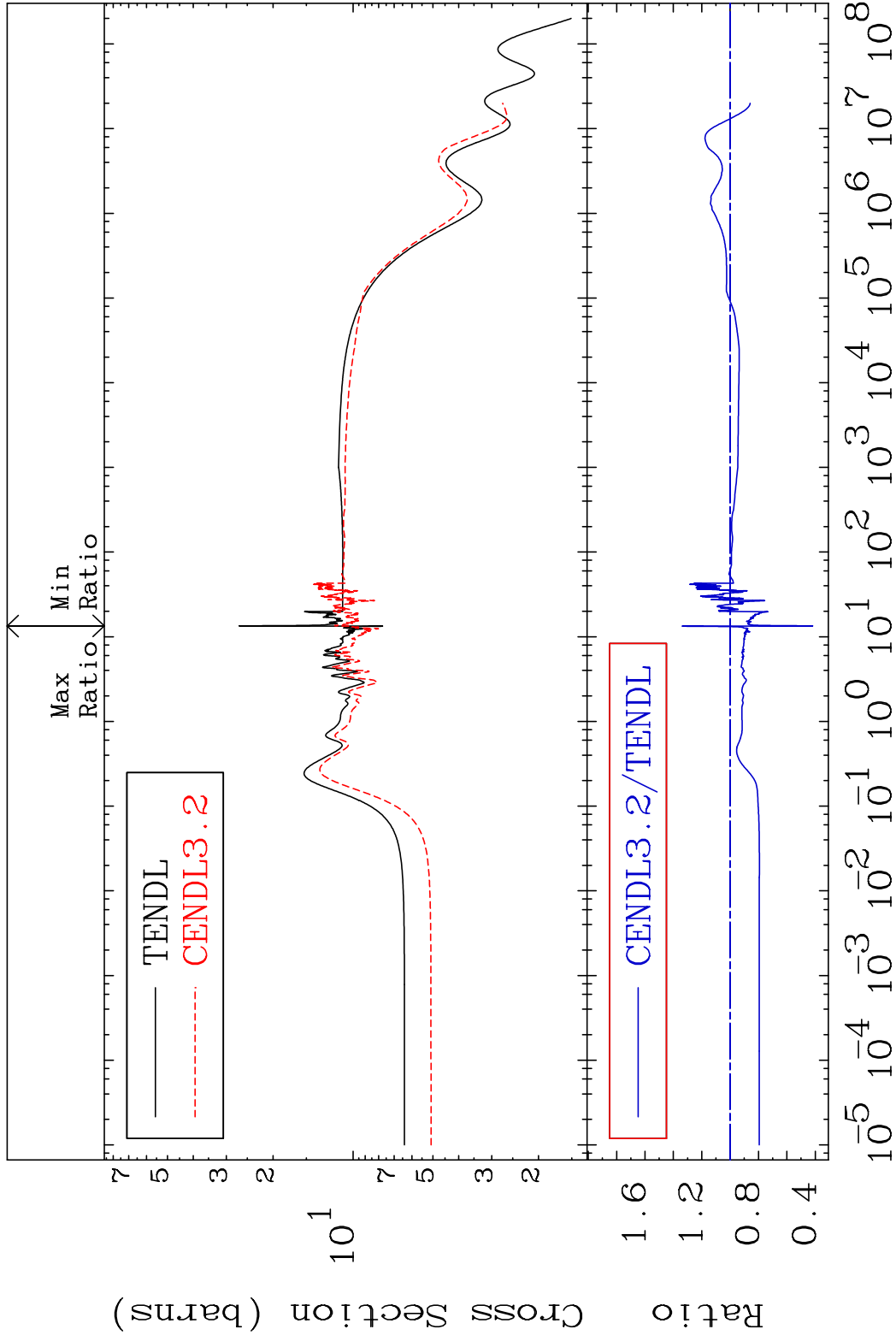
95-Am-242m

MAT 9547

Elastic

95-Am-242m

Cross Section -58.11 To 33.66 %



2

Incident Energy (eV)

95-Am-242m

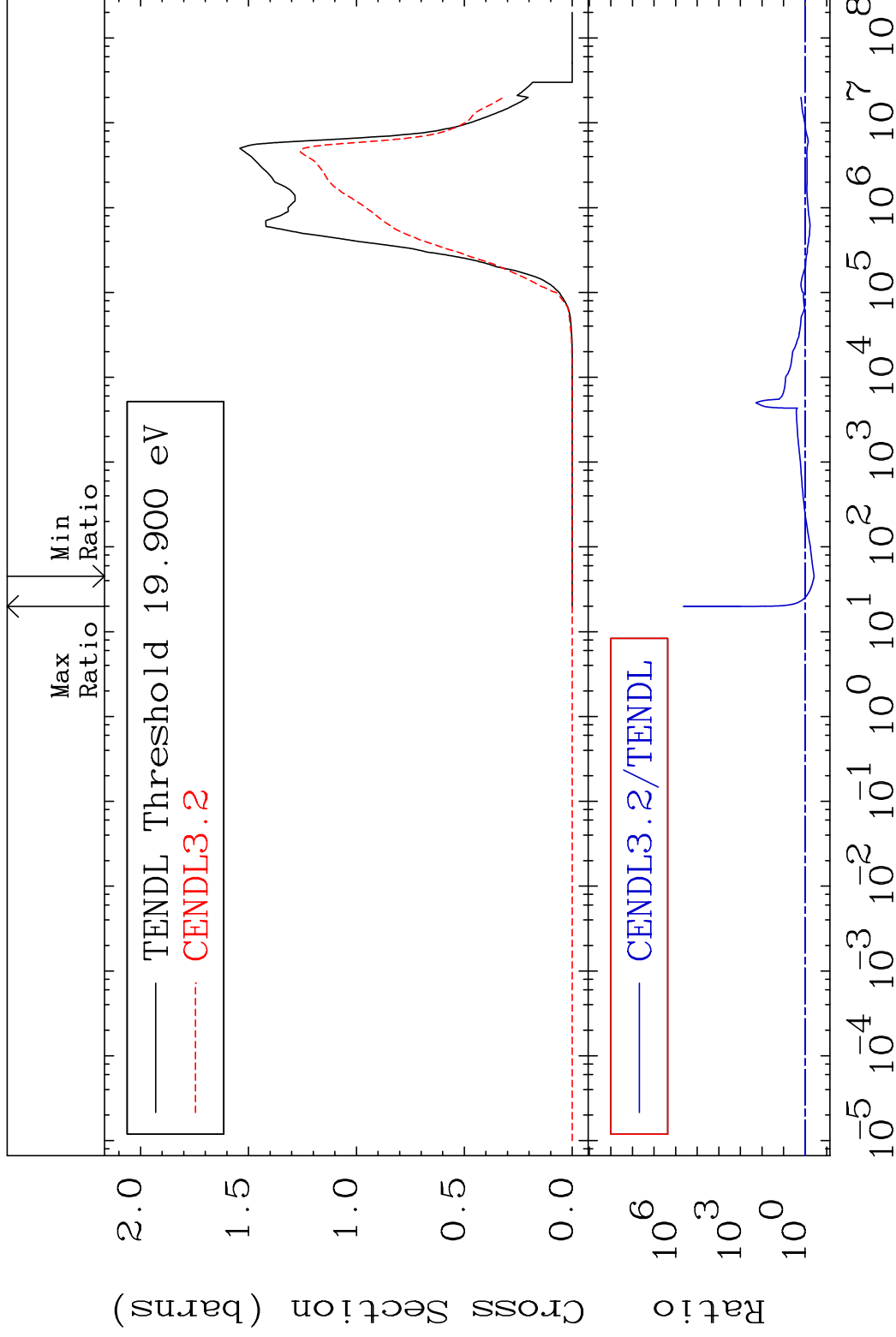
MAT 9547

Inelastic

95-Am-242m

Cross Section

-61.65 To 9999. %

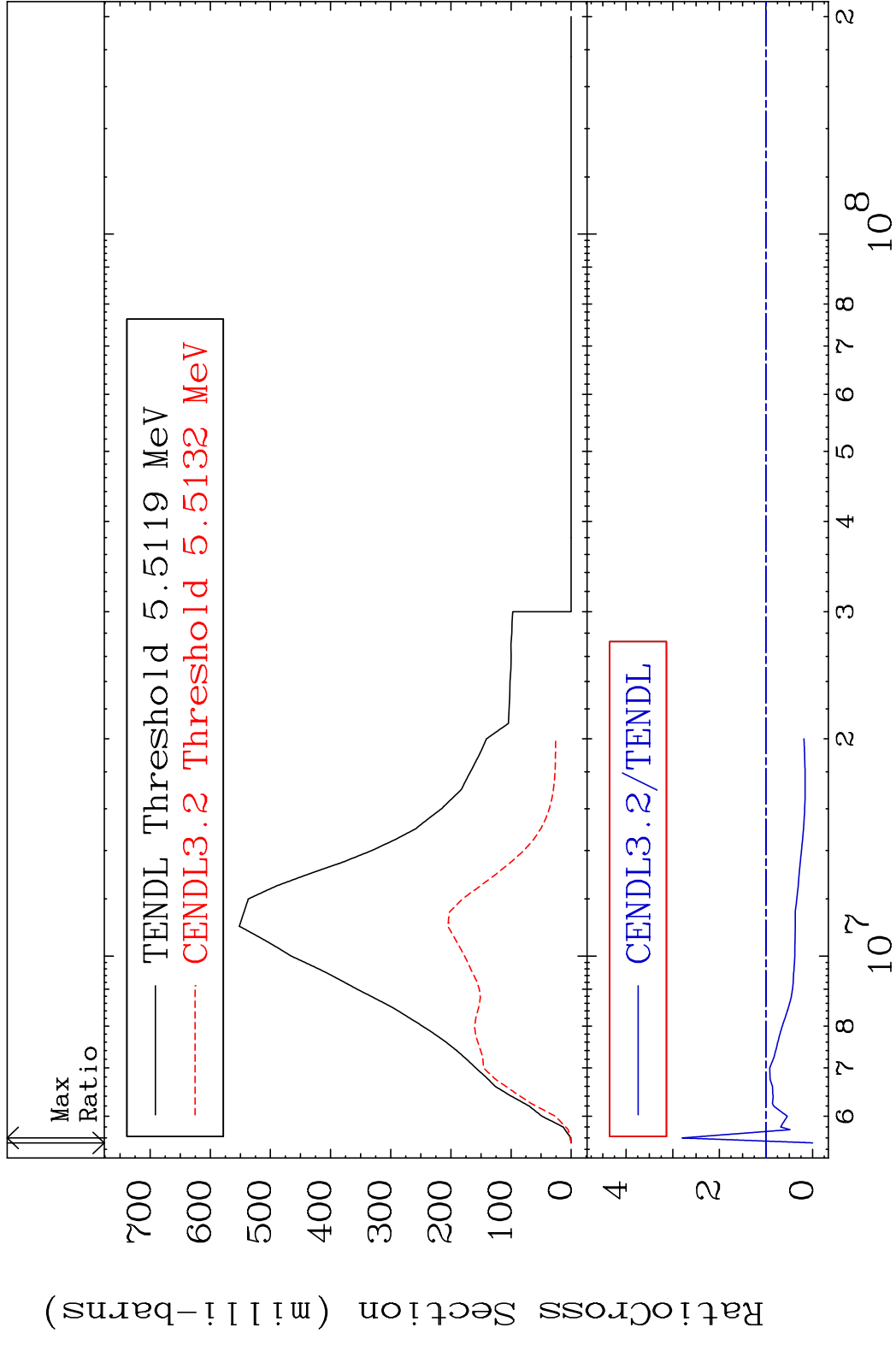


3

Incident Energy (eV)

95-Am-242m

MAT 9547 (n,2n) 95-Am-242m
 Cross Section -100.0 To 179.3 %



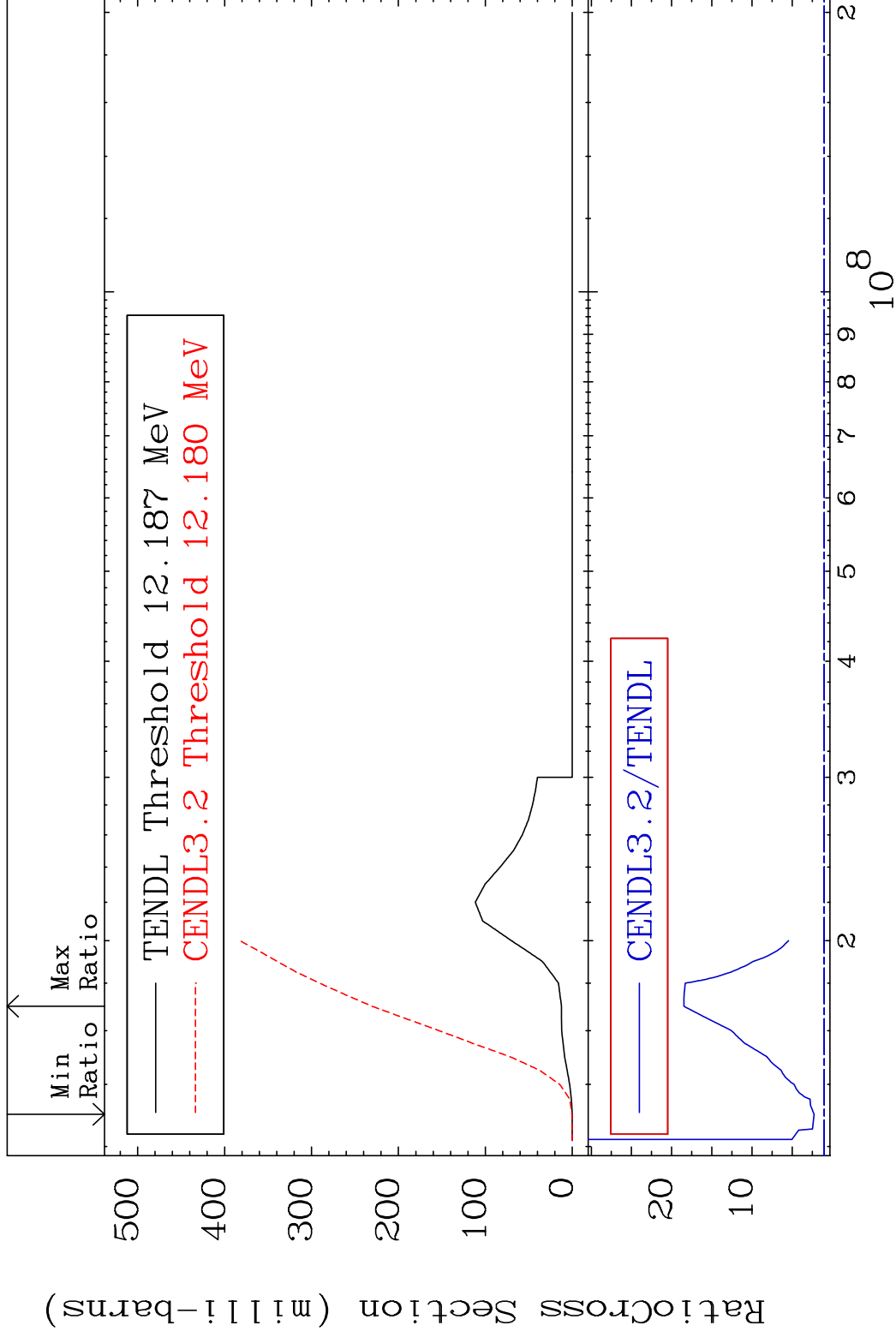
4 6 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2
 95-Am-242m

MAT 9547

(n,3n)

95-Am-242m

Cross Section 126.8 To 1750. %



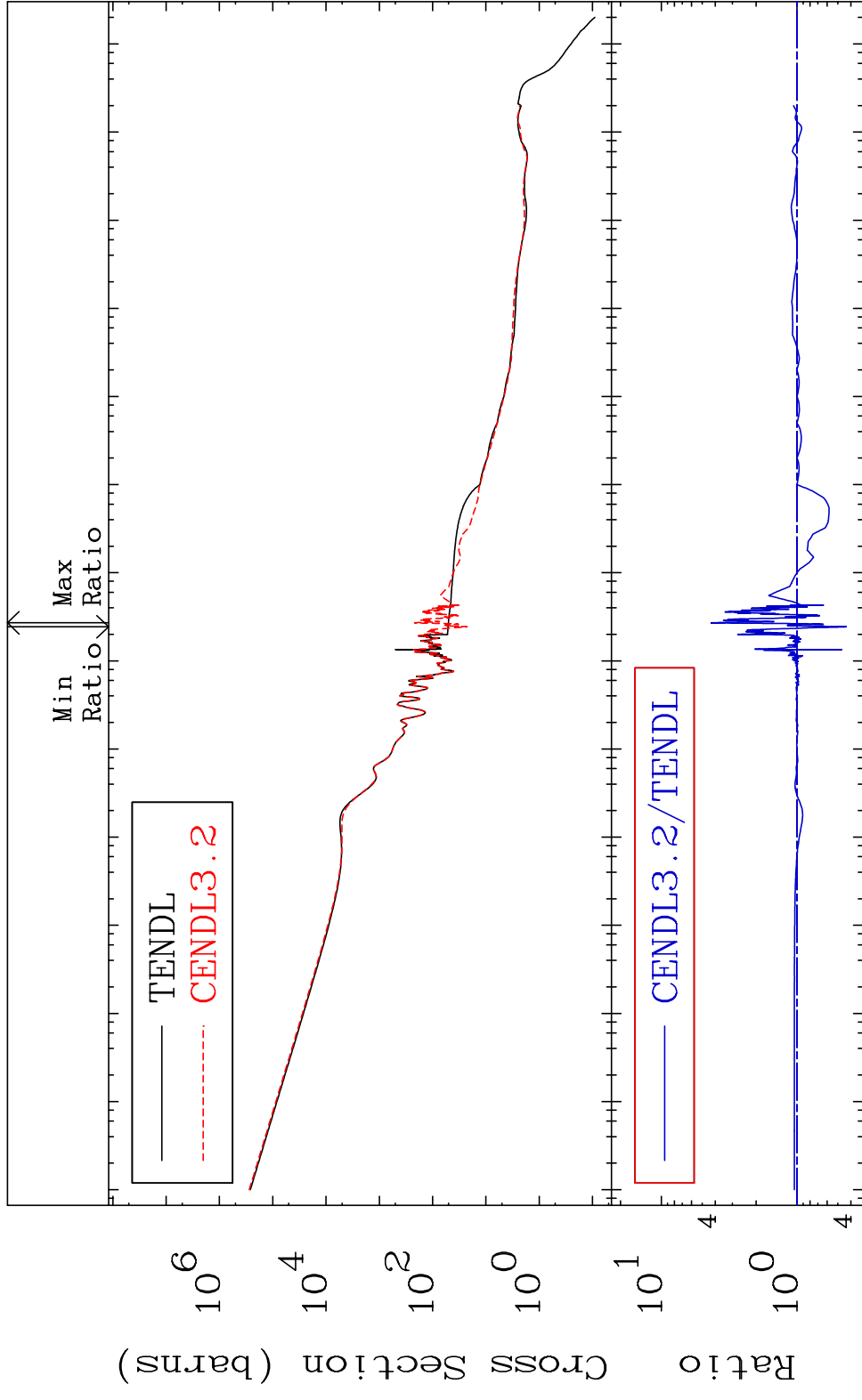
5

Incident Energy (eV)

95-Am-242m

MAT 9547

Fission Cross Section -56.75 To 332.5 %
95-Am-242m



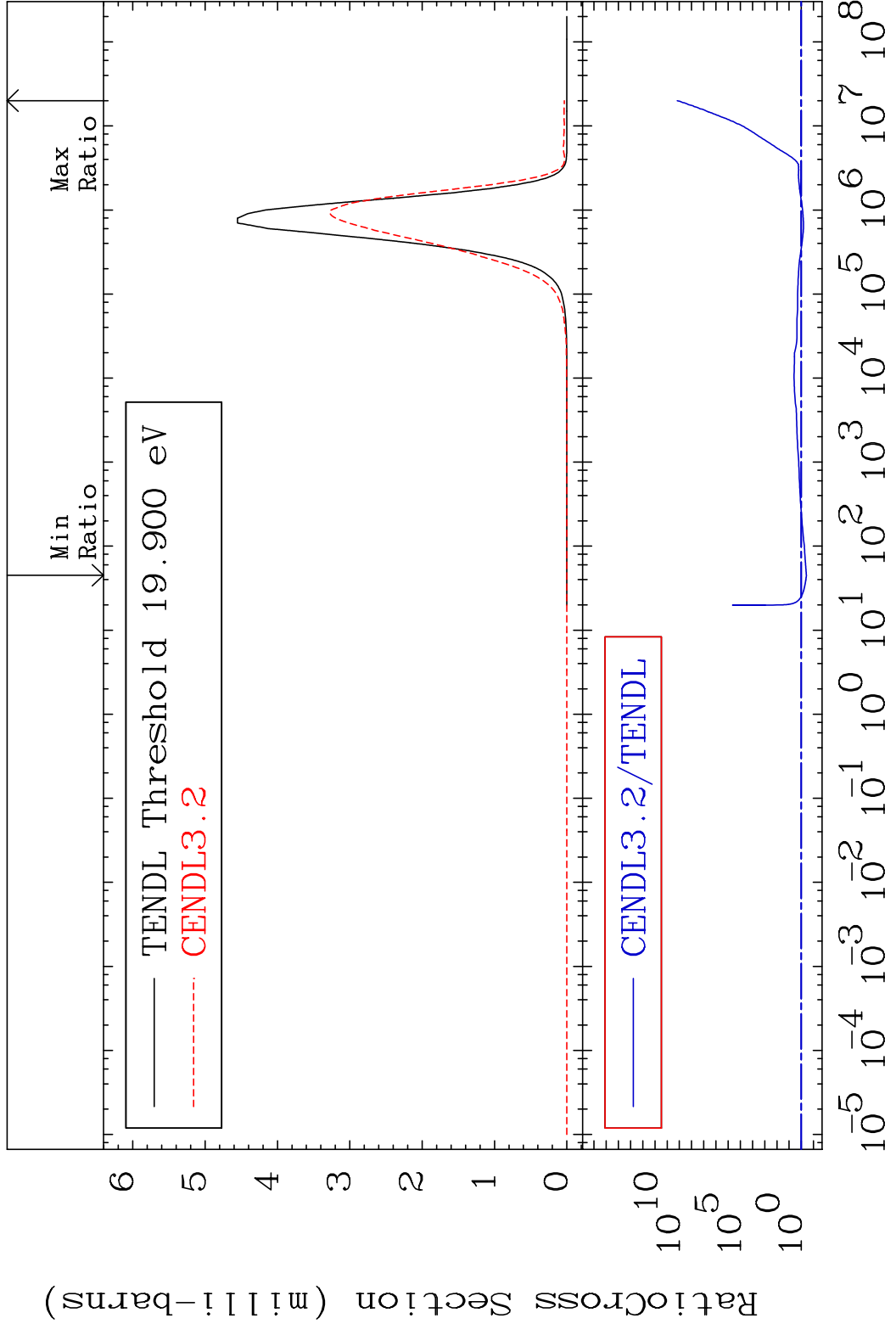
Ratio
Cross Section (barns)
Incident Energy (eV)

MAT 9547

MT= 51 (n, n') Level

95-Am-242m

Cross Section -61.67 To 9999. %



7

Incident Energy (eV)

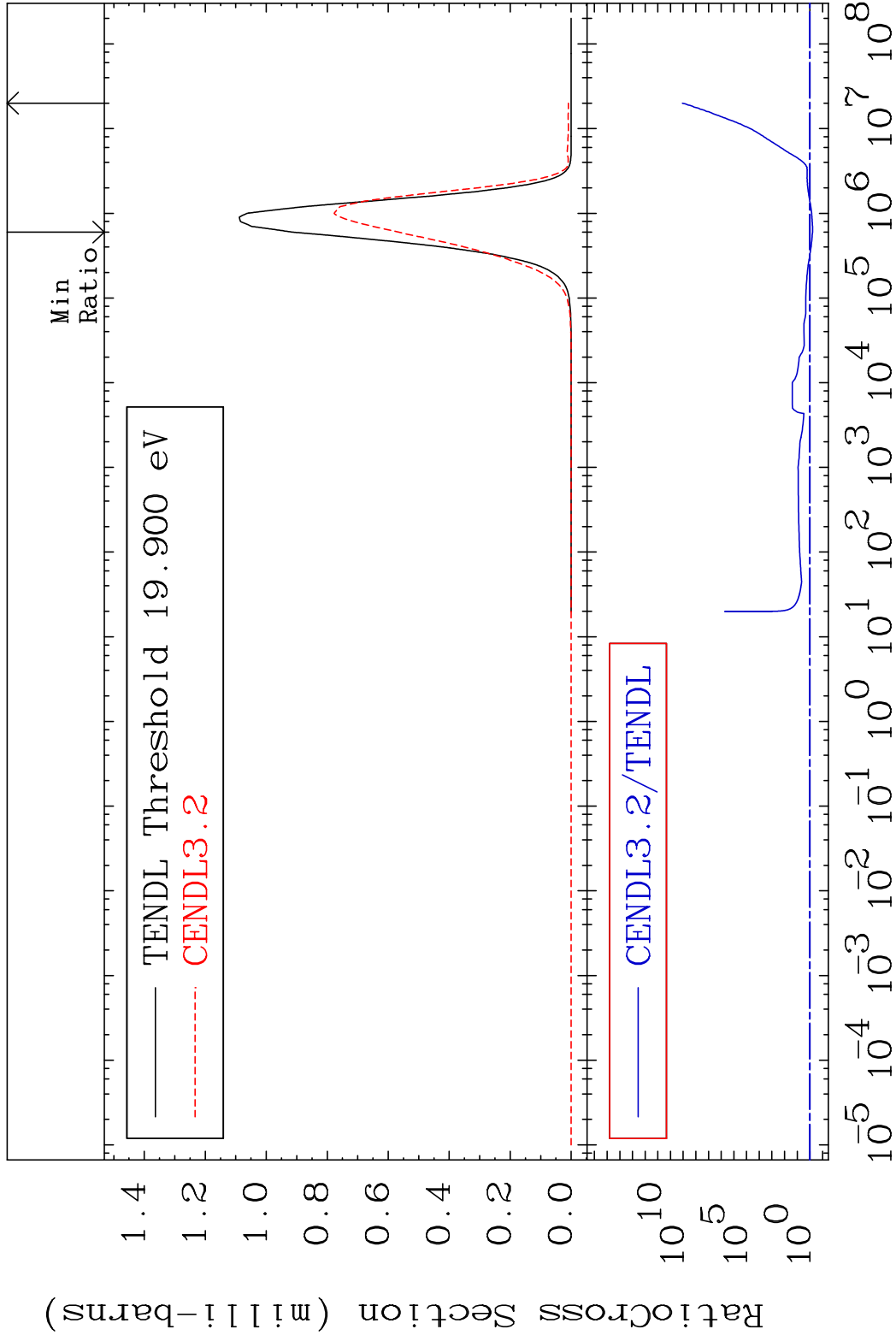
95-Am-242m

MAT 9547

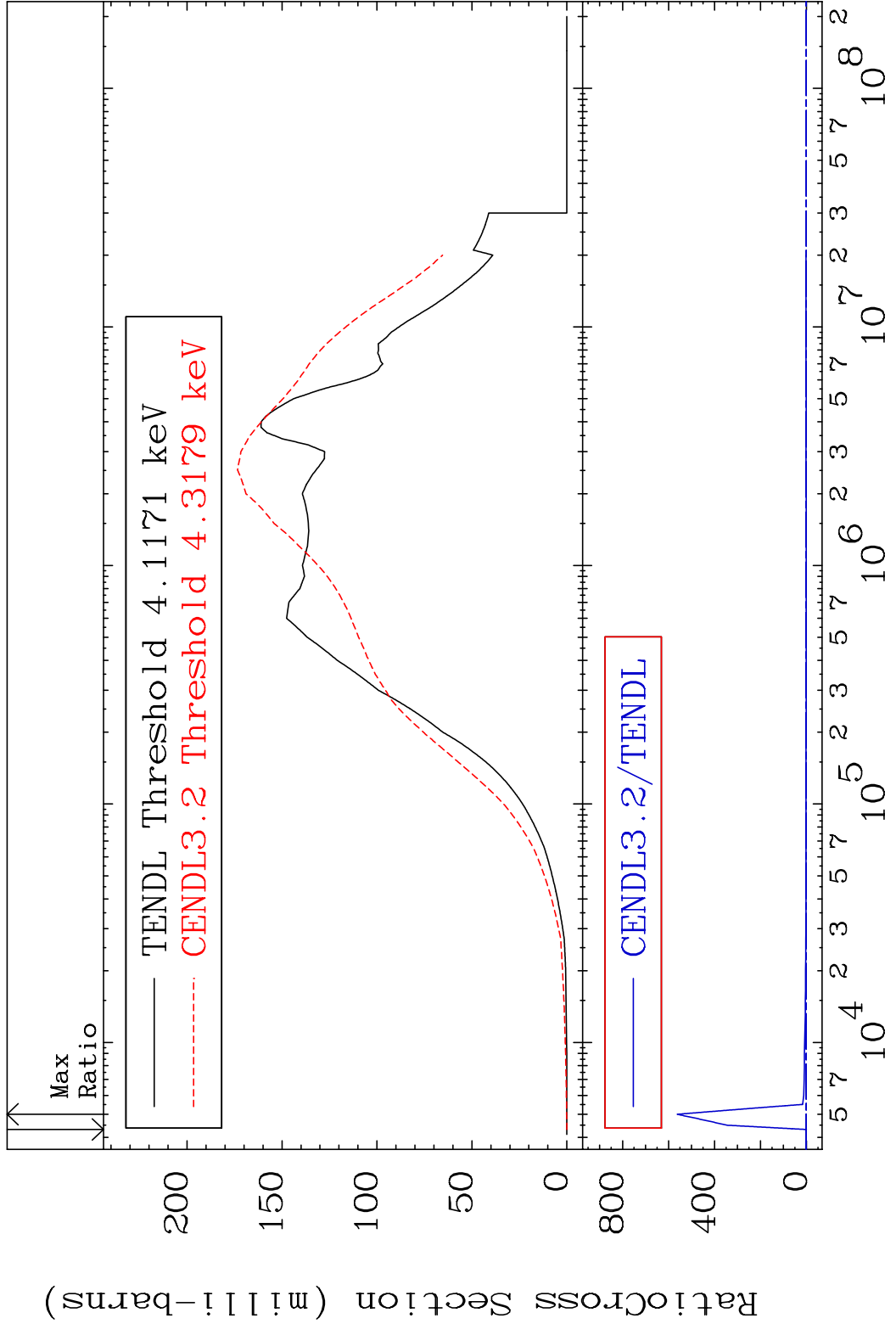
MT= 52 (n, n') Level

95-Am-242m

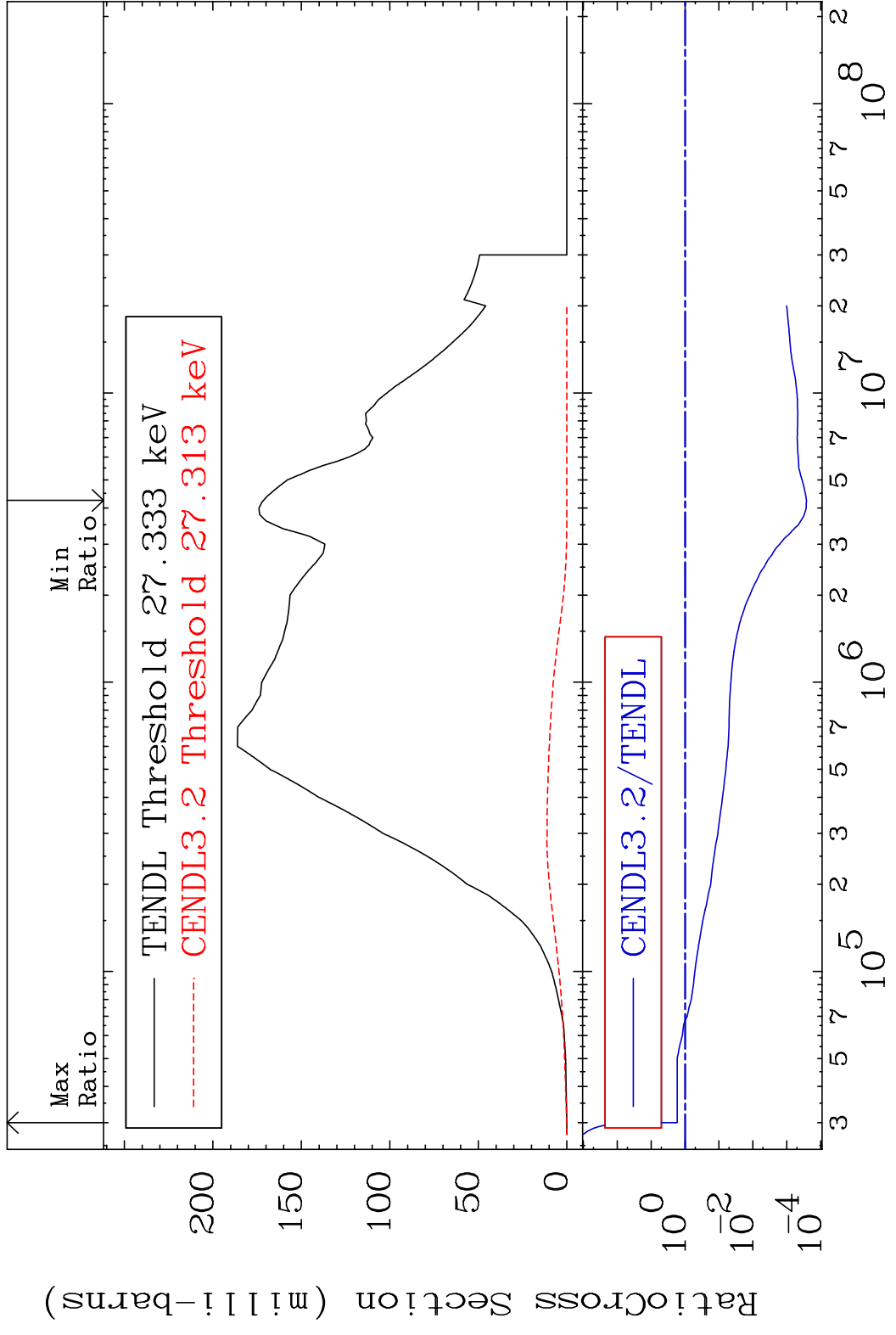
Cross Section -38.22 To 9999. %



MAT 9547 MT= 53 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

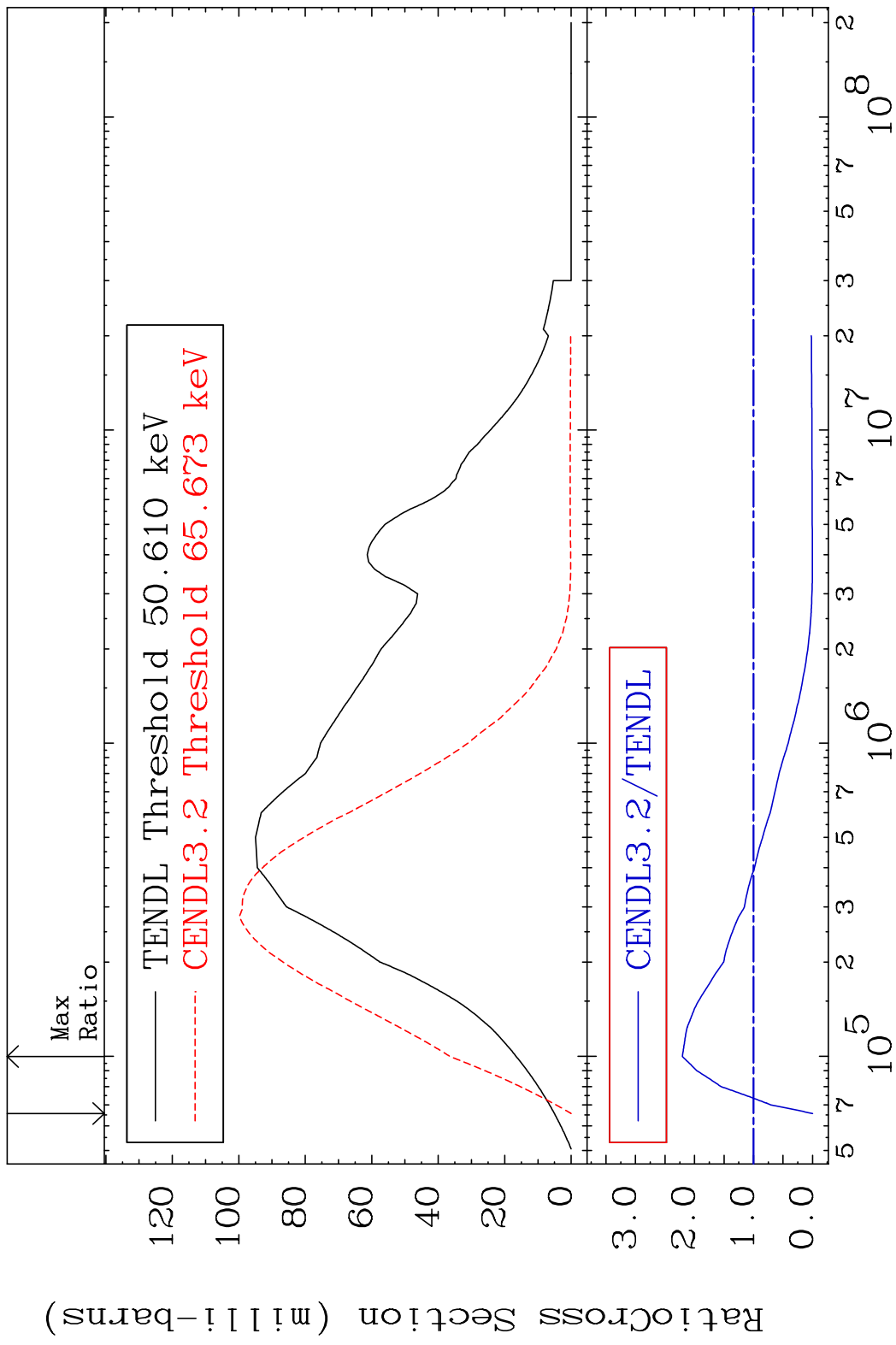


MAT 9547 MT= 54 (n, n') Level 95-Am-242m
 Cross Section -99.97 To 70.40 %

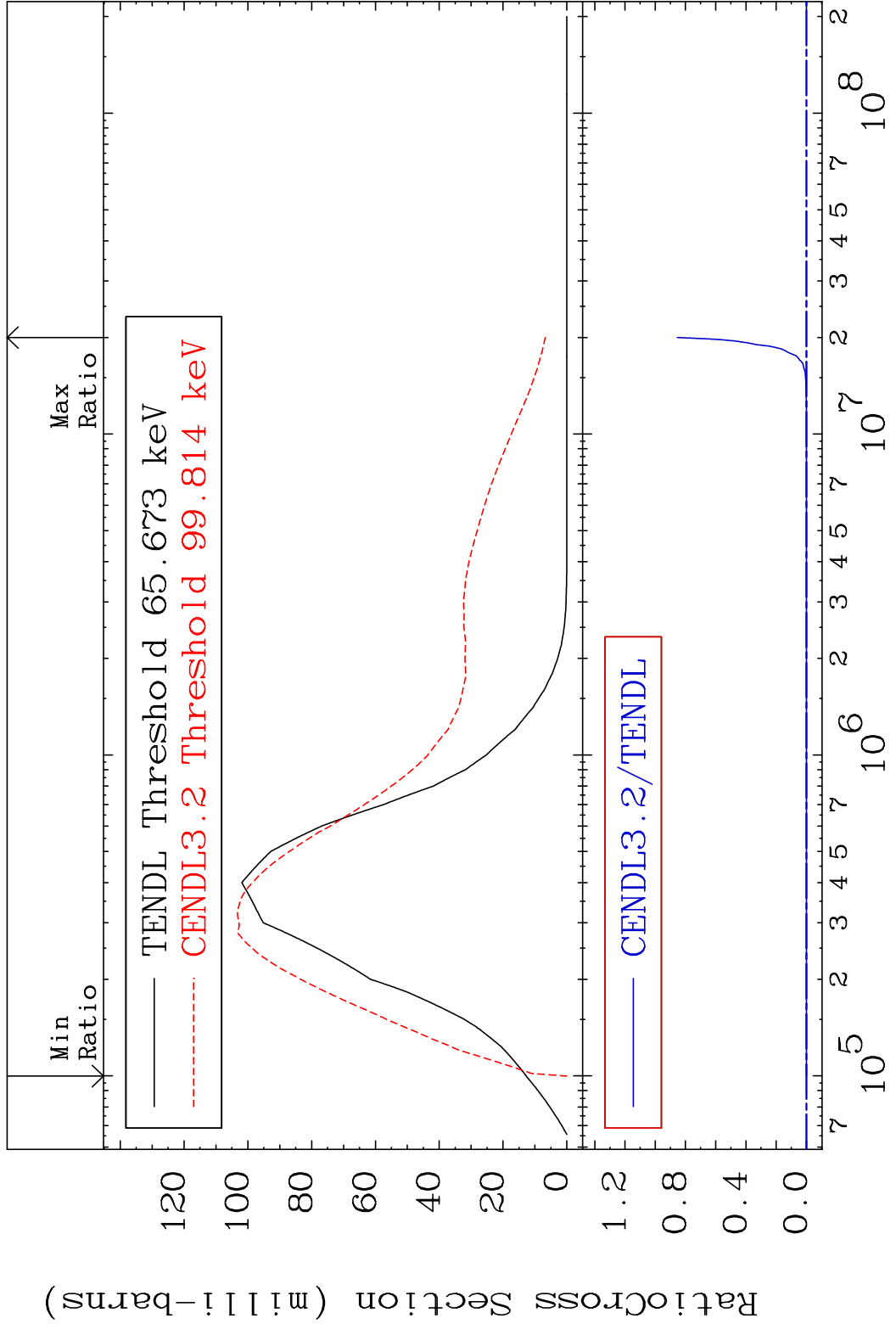


10 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 55 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 120.6 %

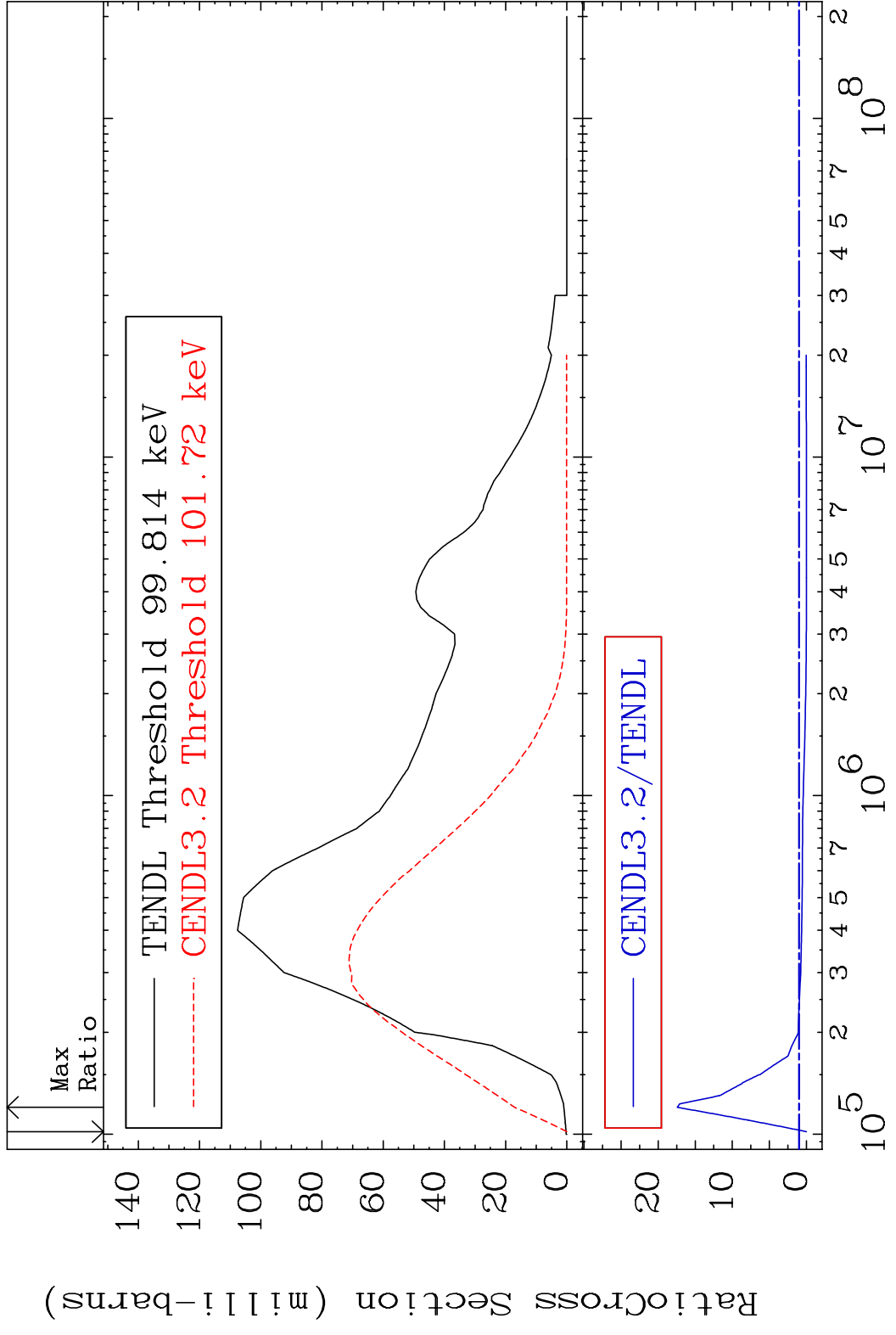


MAT 9547 MT= 56 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



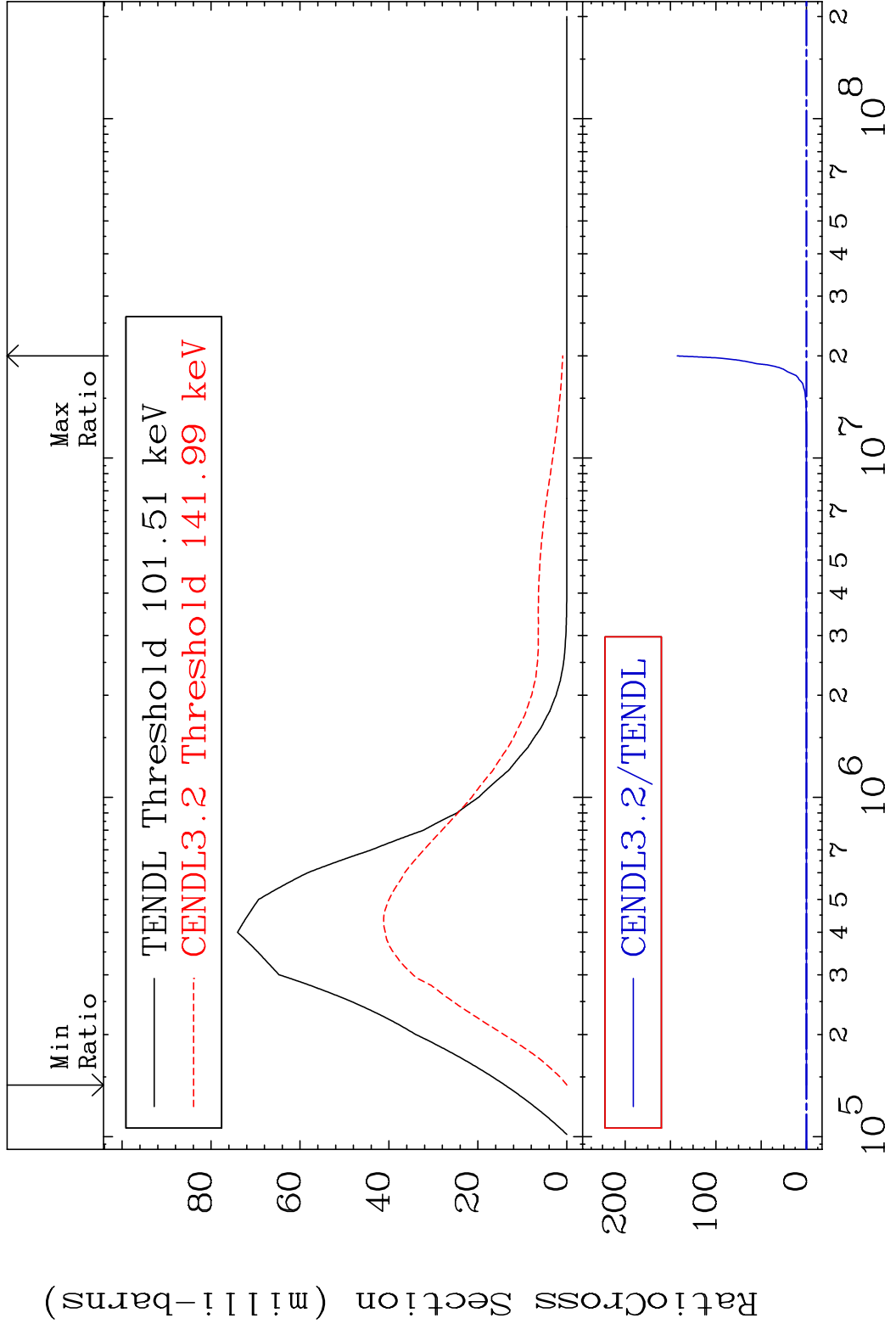
12 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 57 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 1644. %



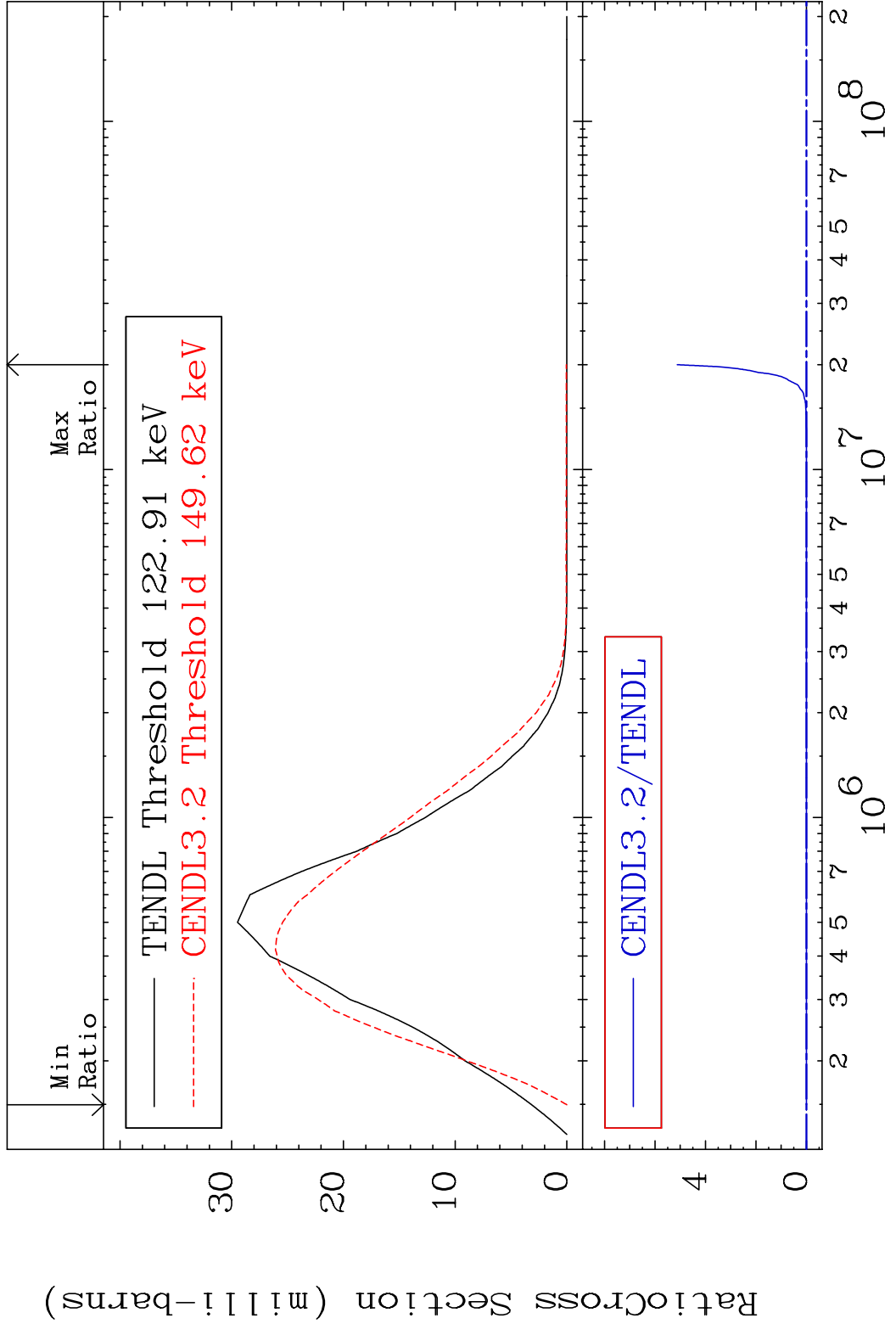
13 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 58 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

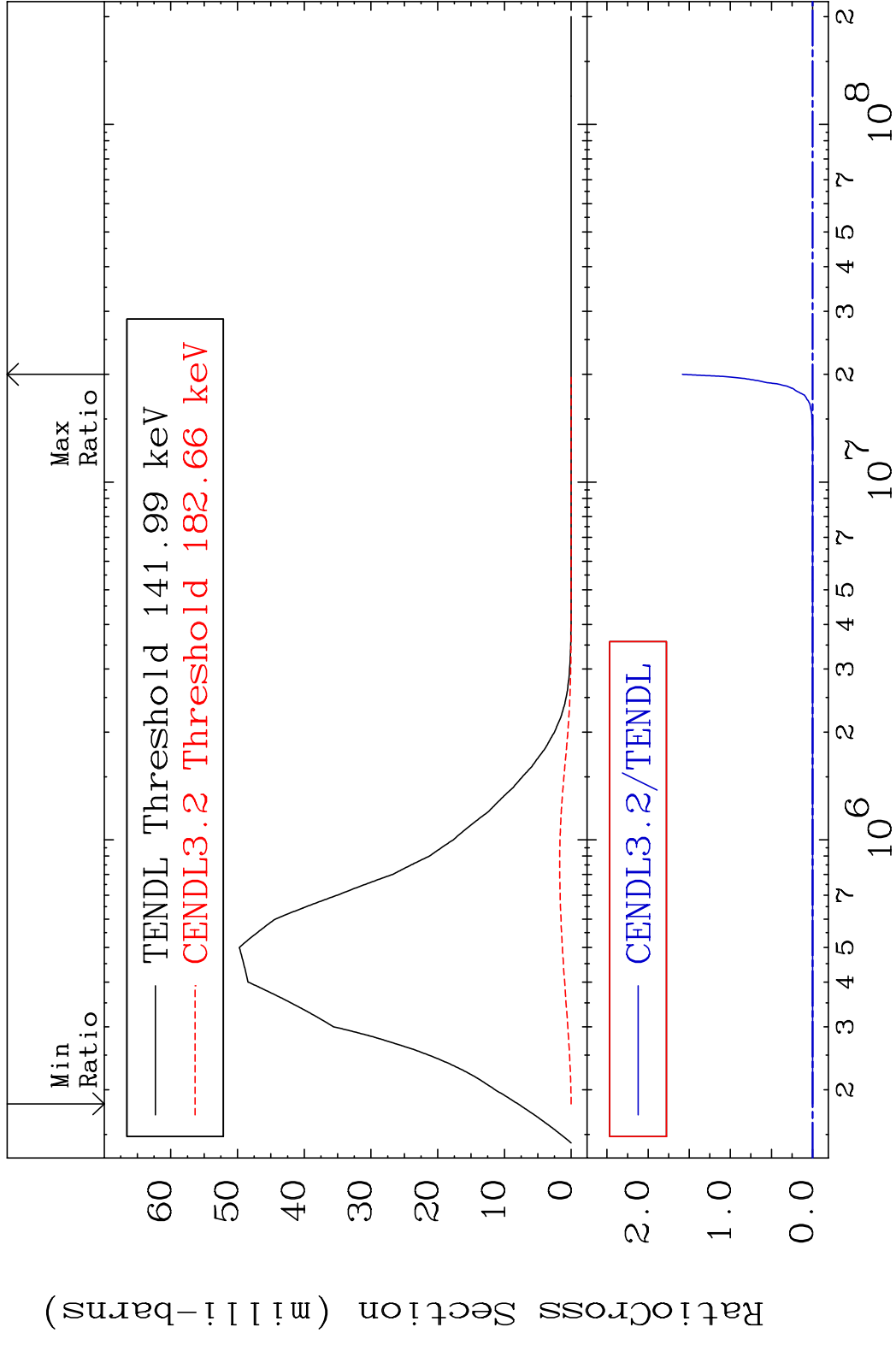


14 Incident Energy (eV) 95-Am-242m

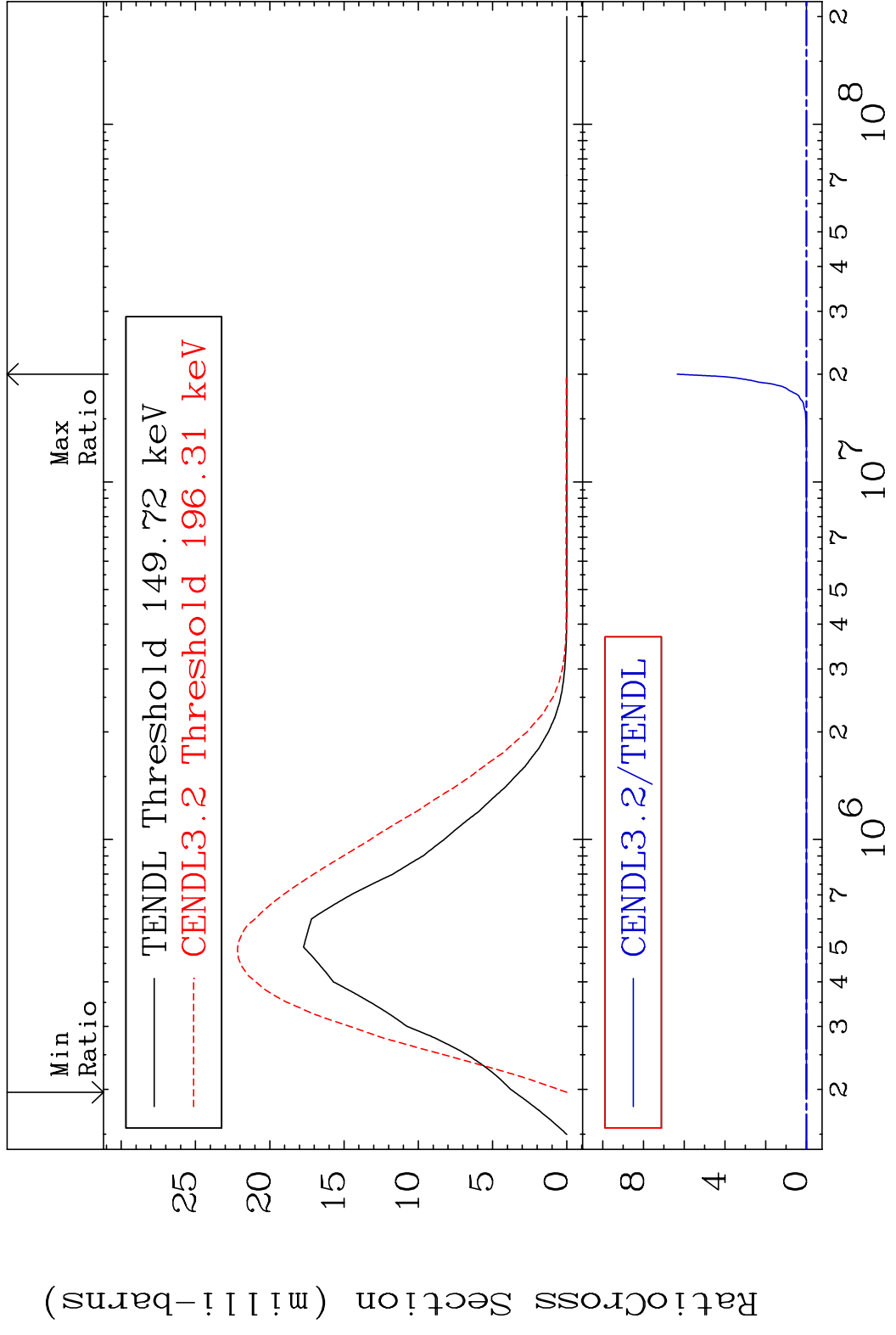
MAT 9547 MT= 59 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



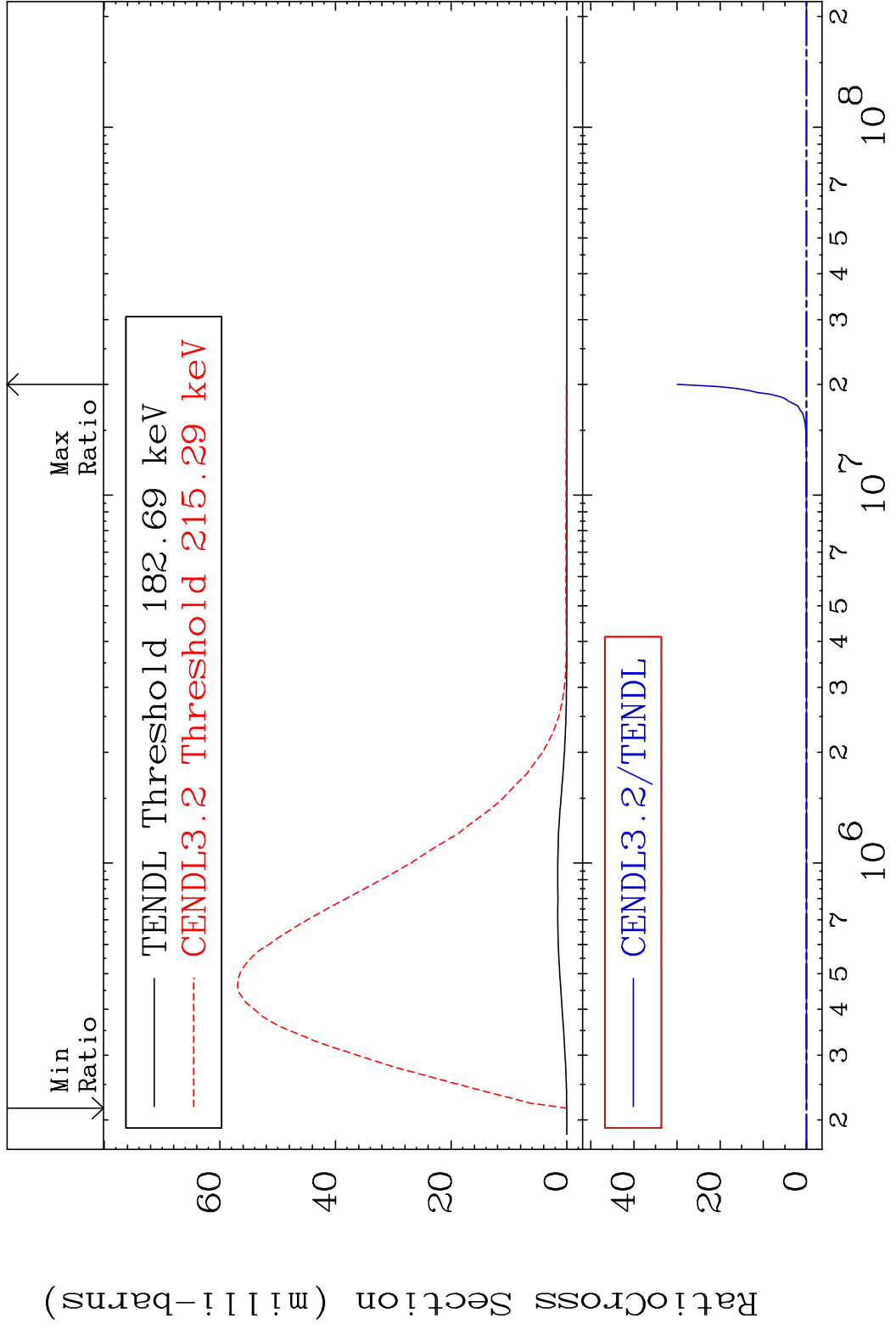
MAT 9547 MT= 60 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



MAT 9547 MT= 61 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

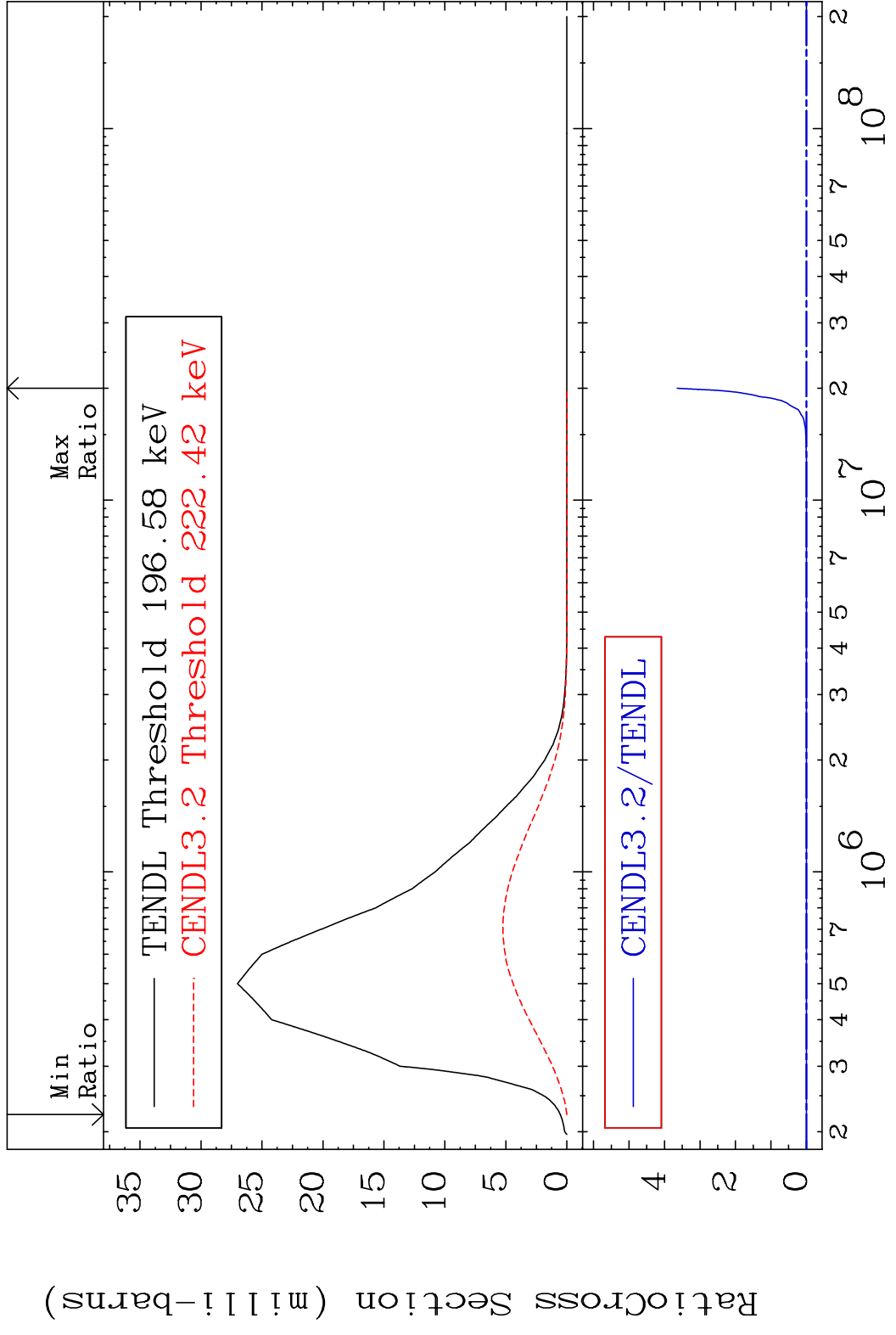


MAT 9547 MT= 62 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

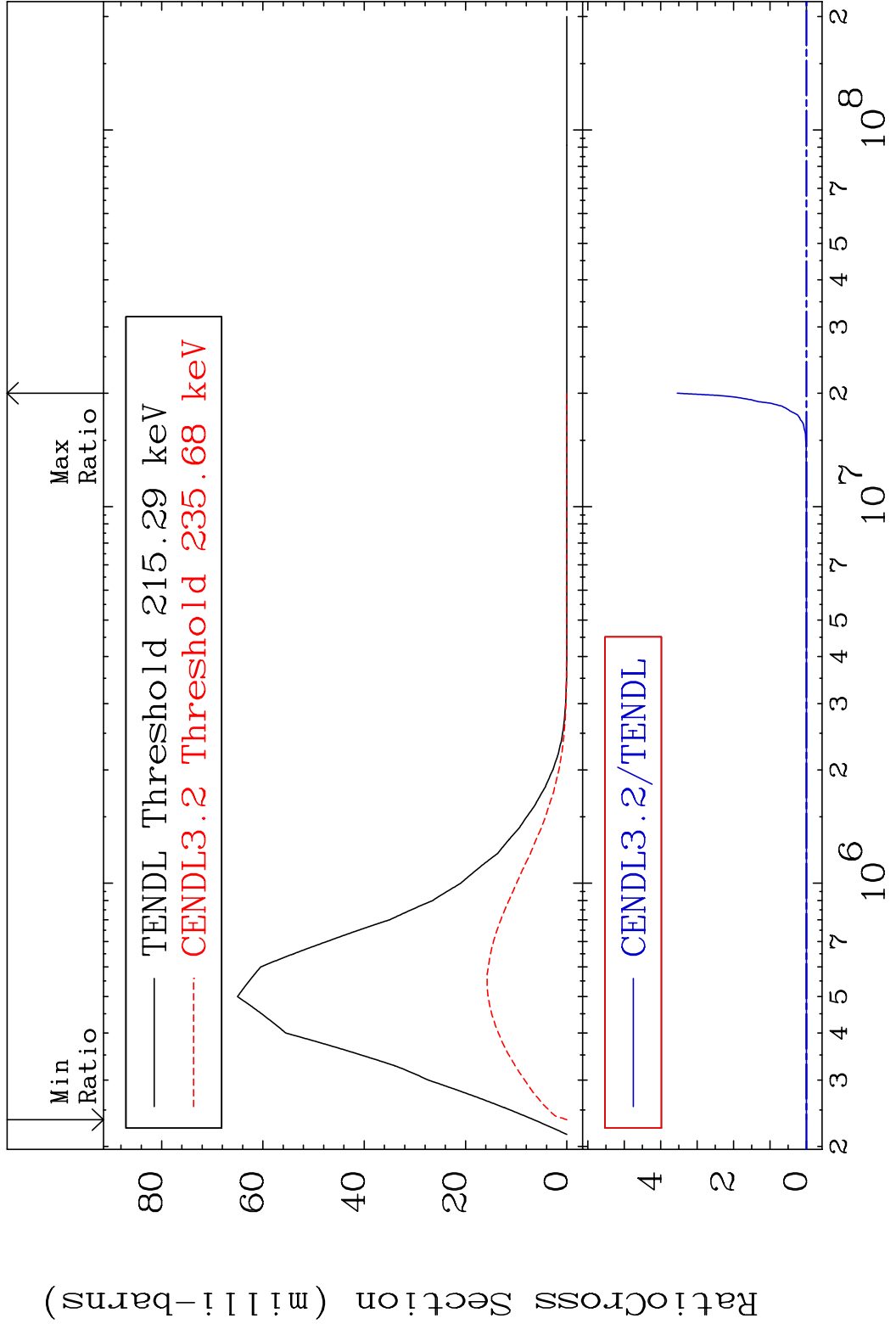


18 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 63 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

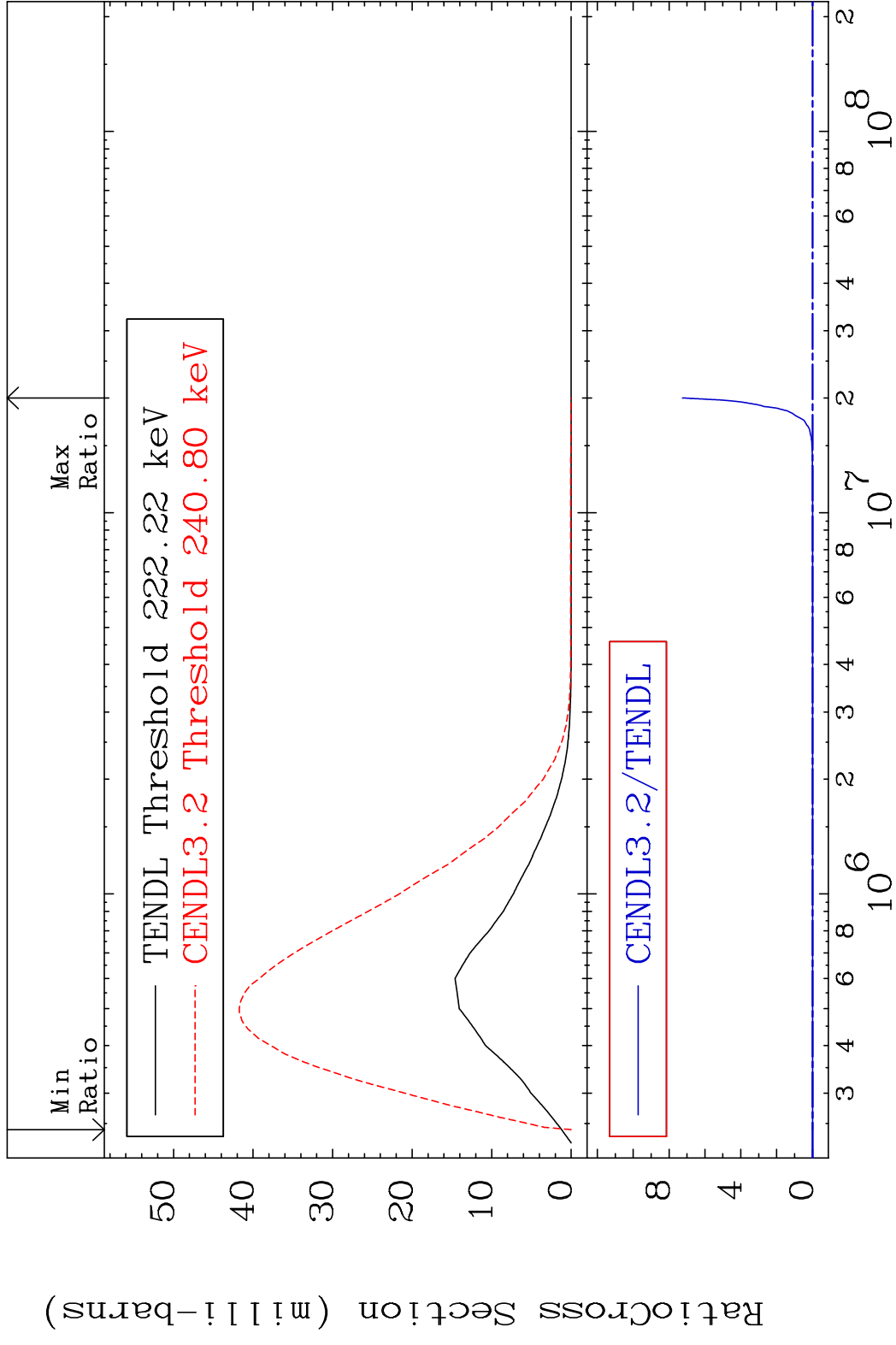


MAT 9547 MT= 64 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

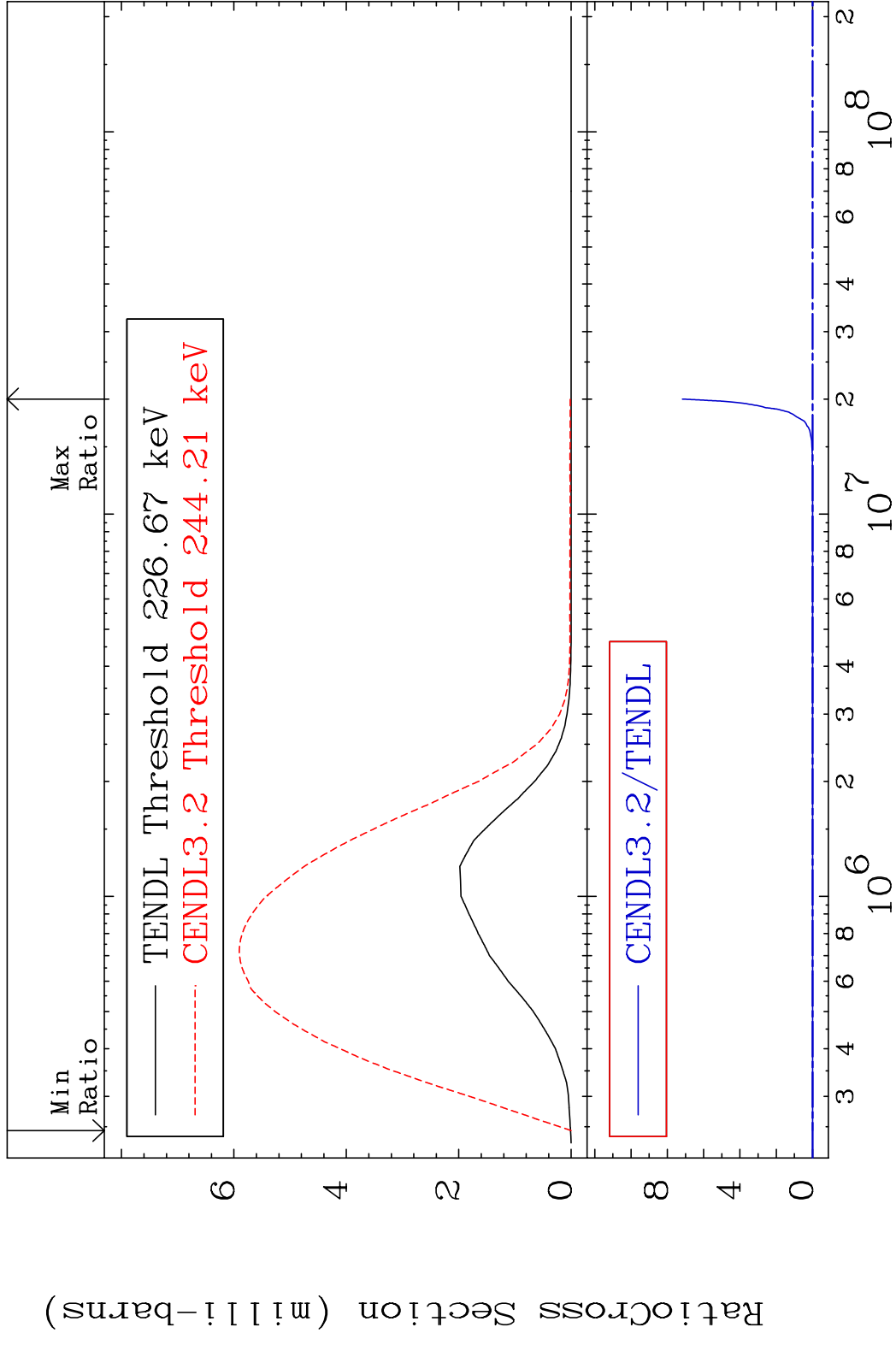


20 Incident Energy (eV) 95-Am-242m

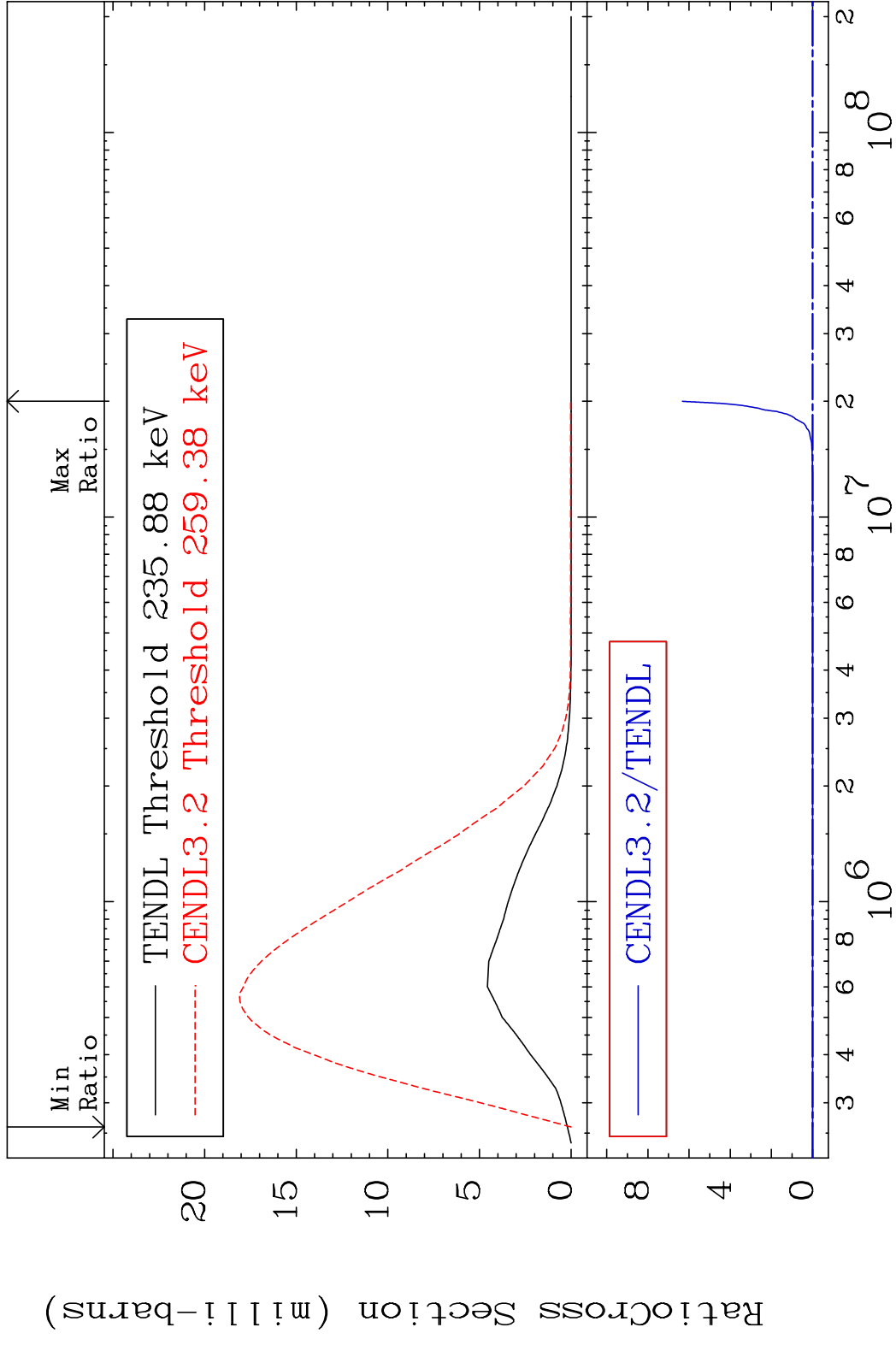
MAT 9547 MT= 65 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



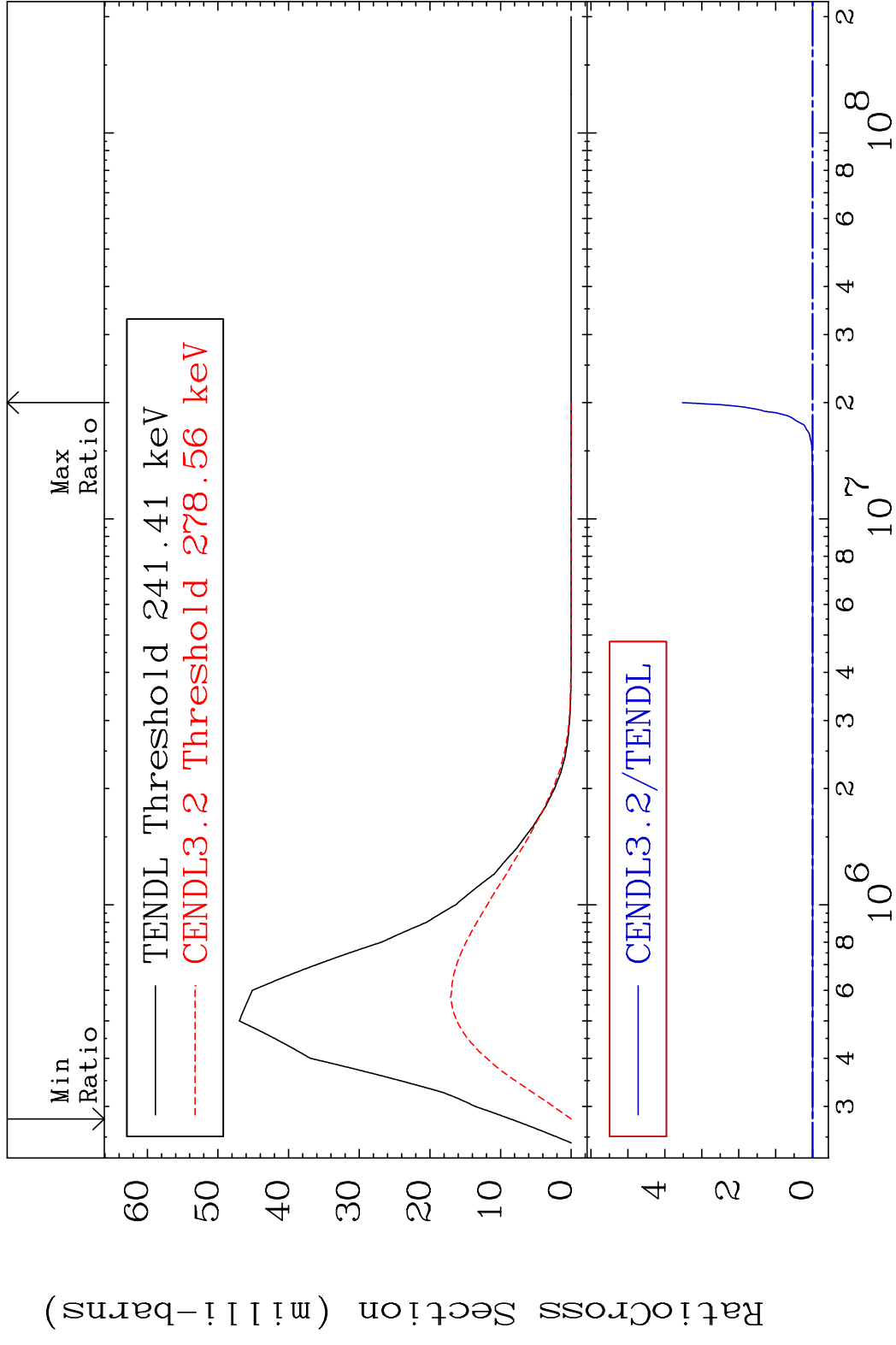
MAT 9547 MT= 66 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



MAT 9547 MT= 67 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

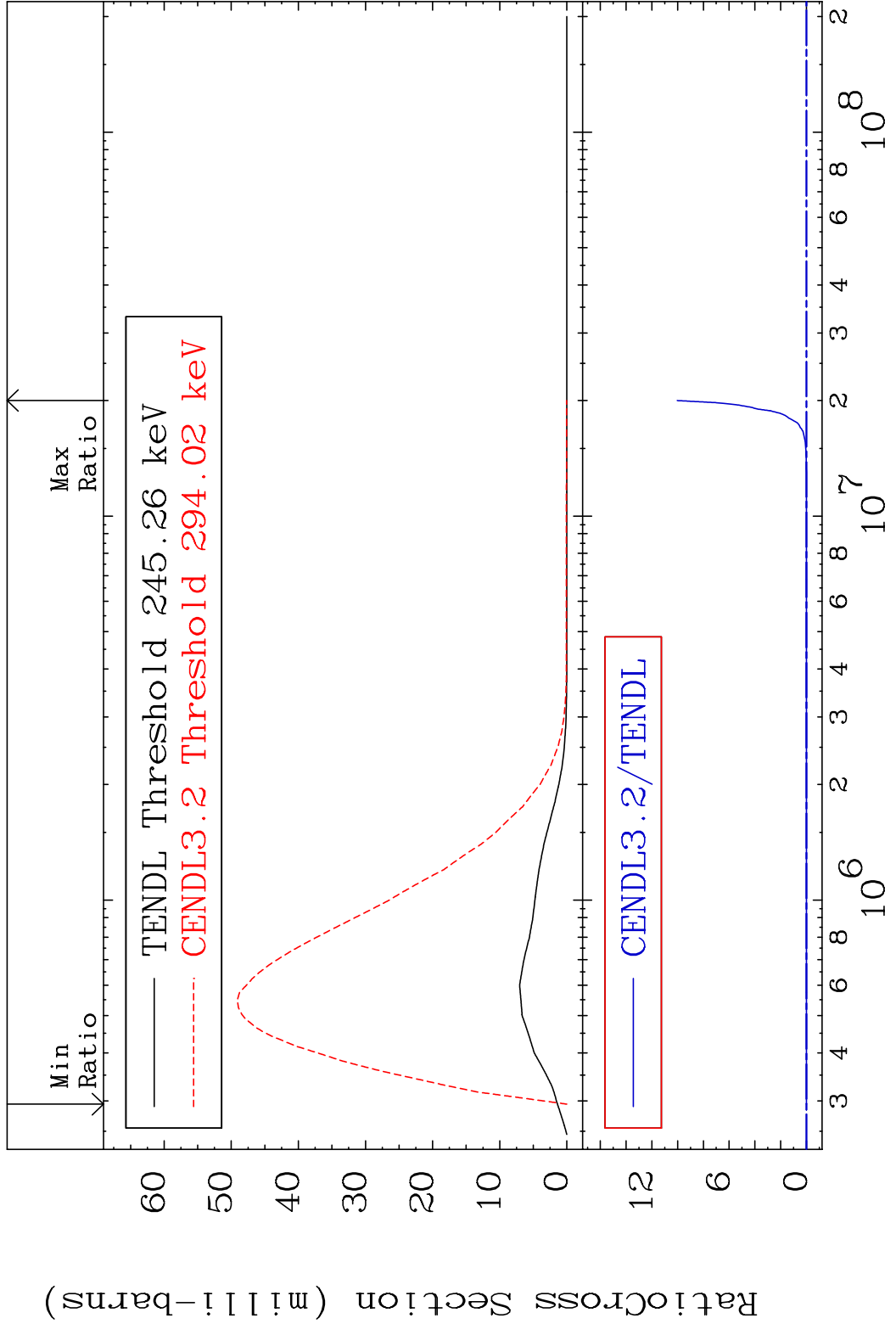


MAT 9547 MT= 68 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



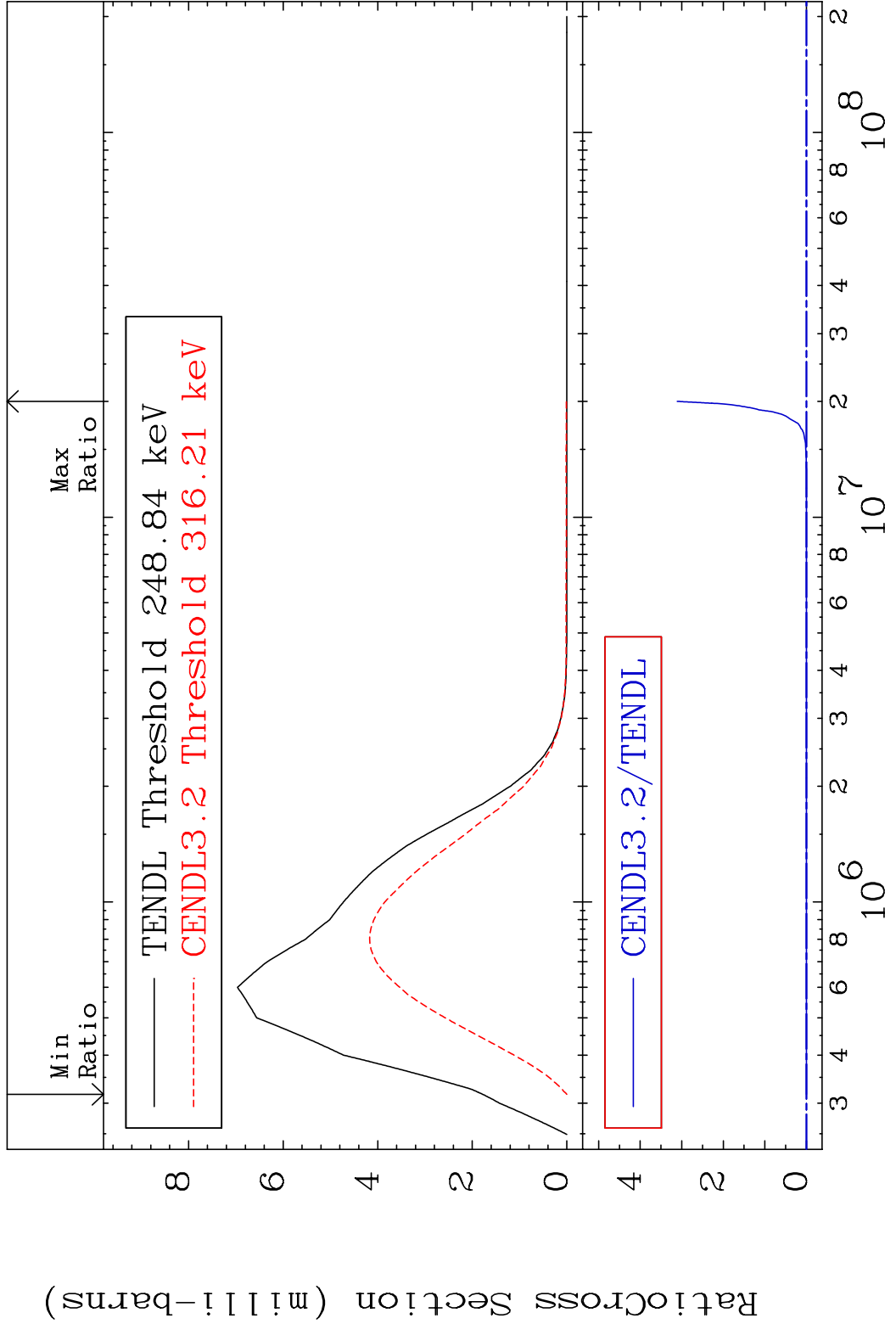
24 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 69 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

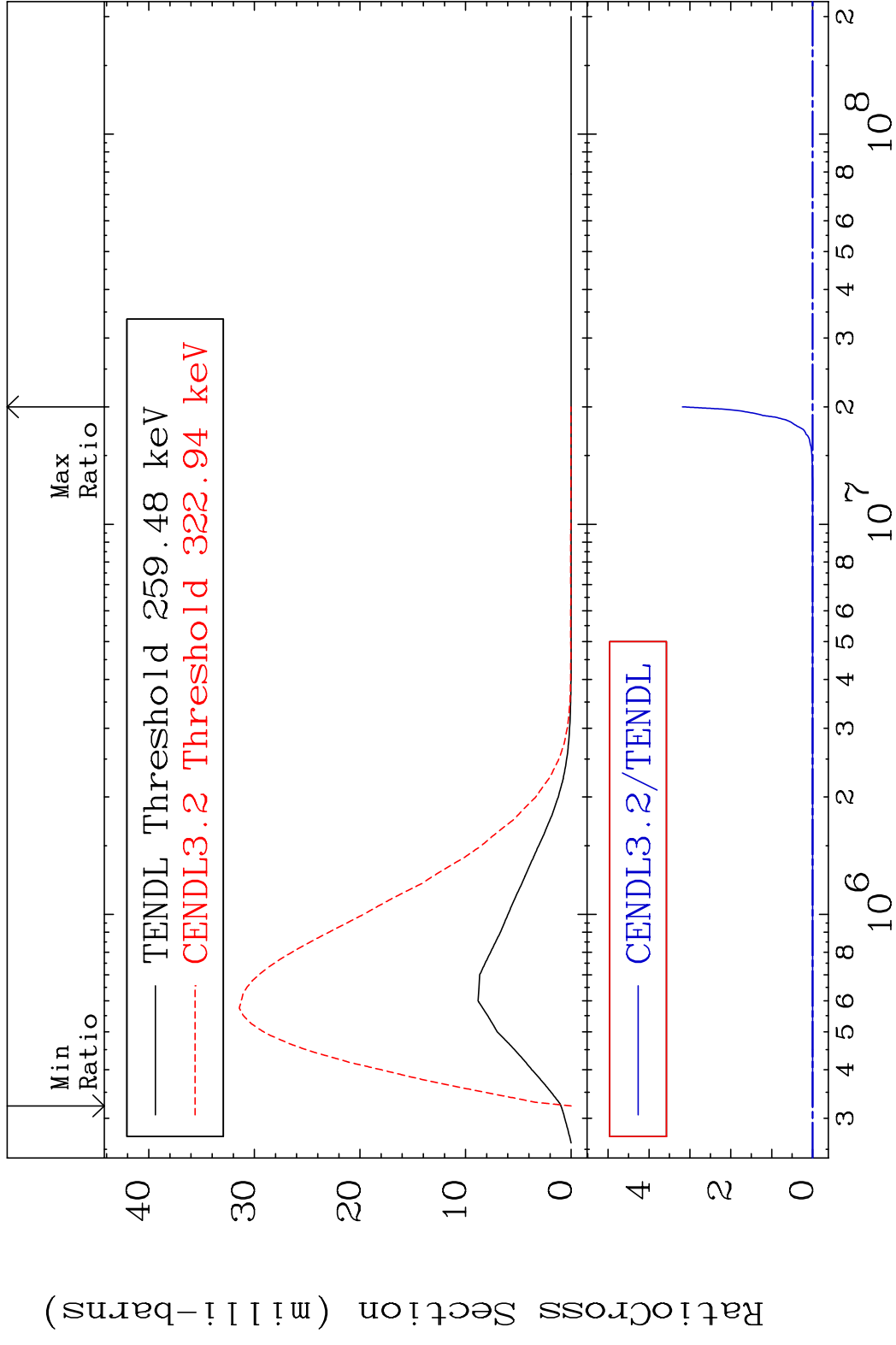


25 Incident Energy (eV) 95-Am-242m

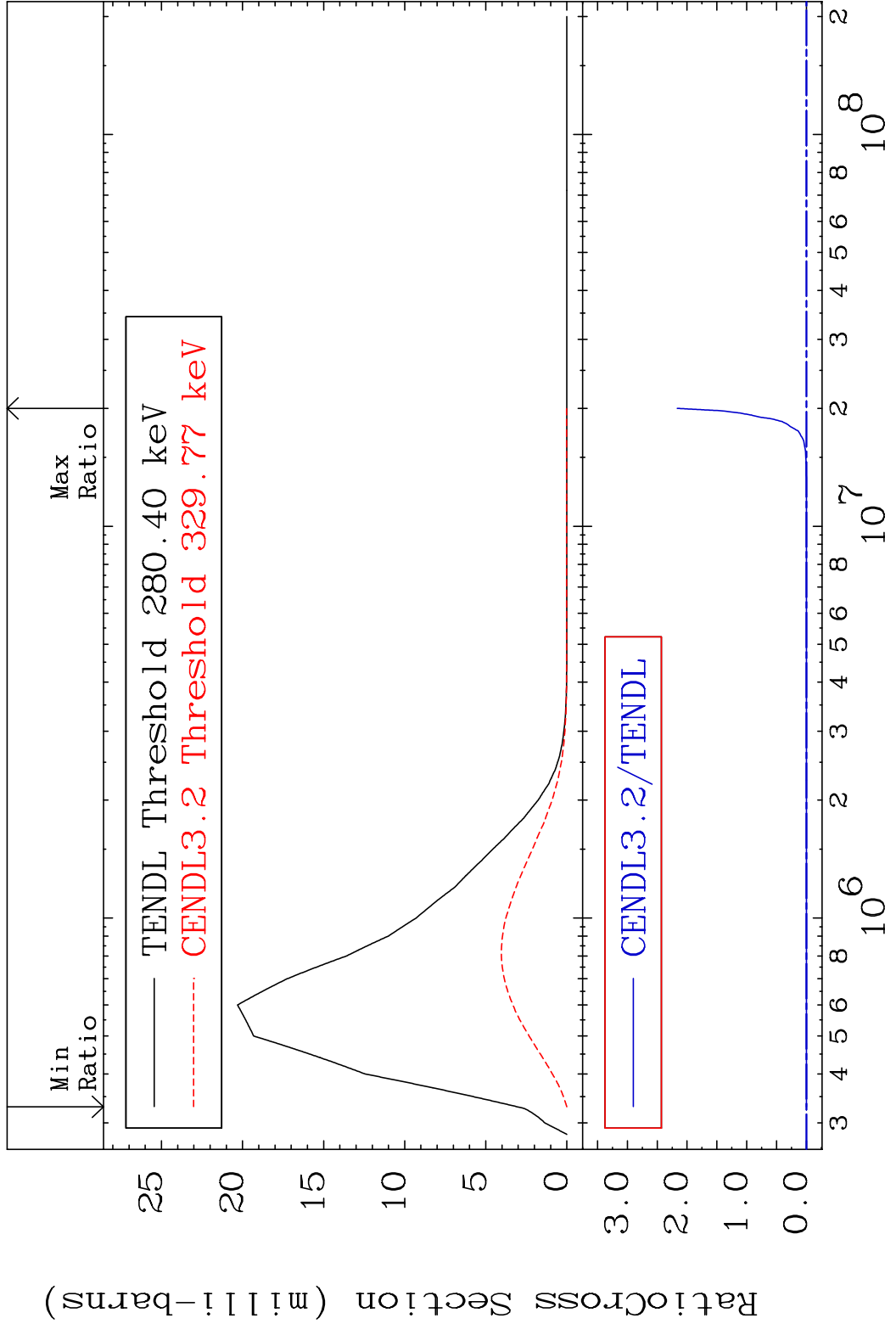
MAT 9547 MT= 70 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



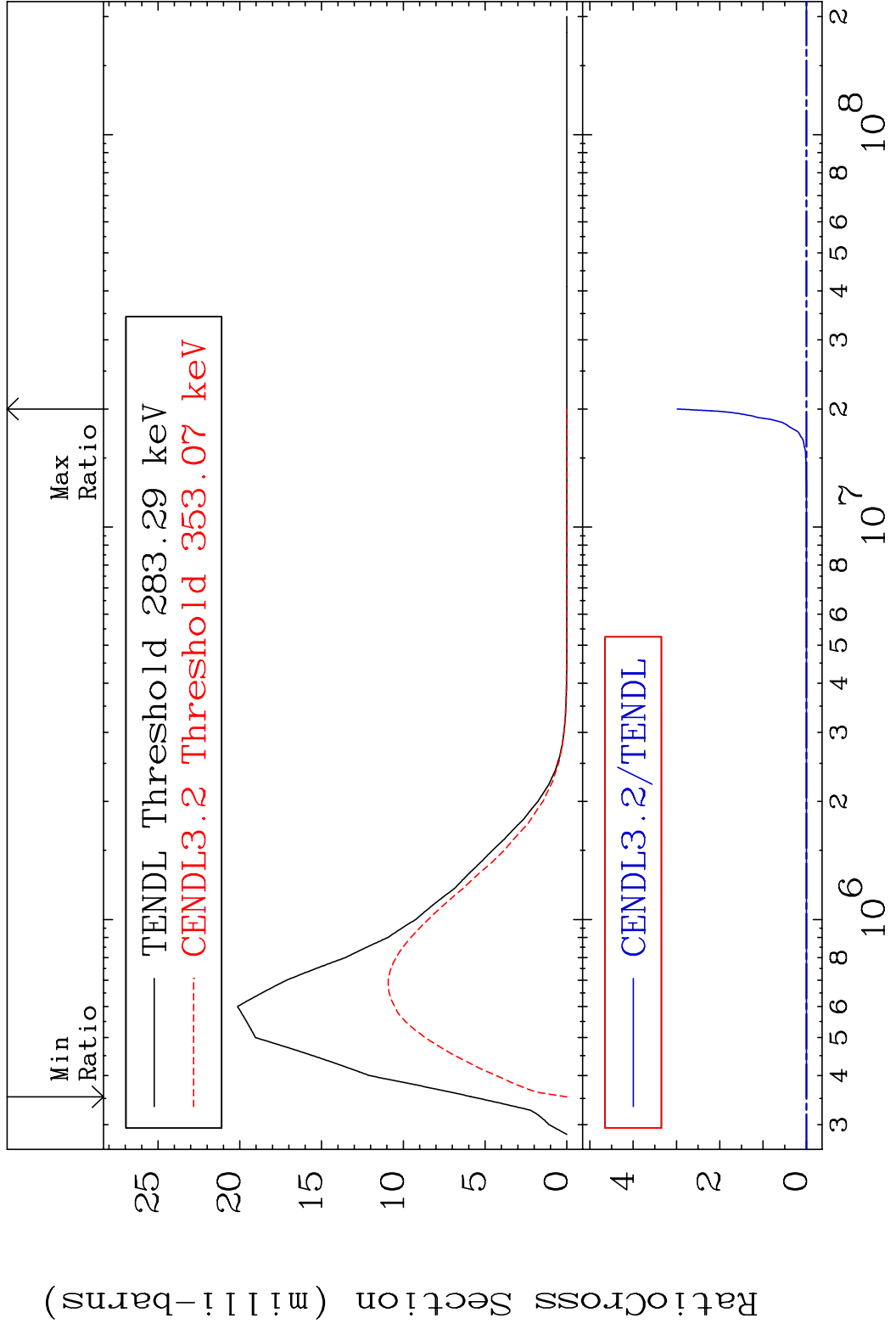
MAT 9547 MT= 71 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



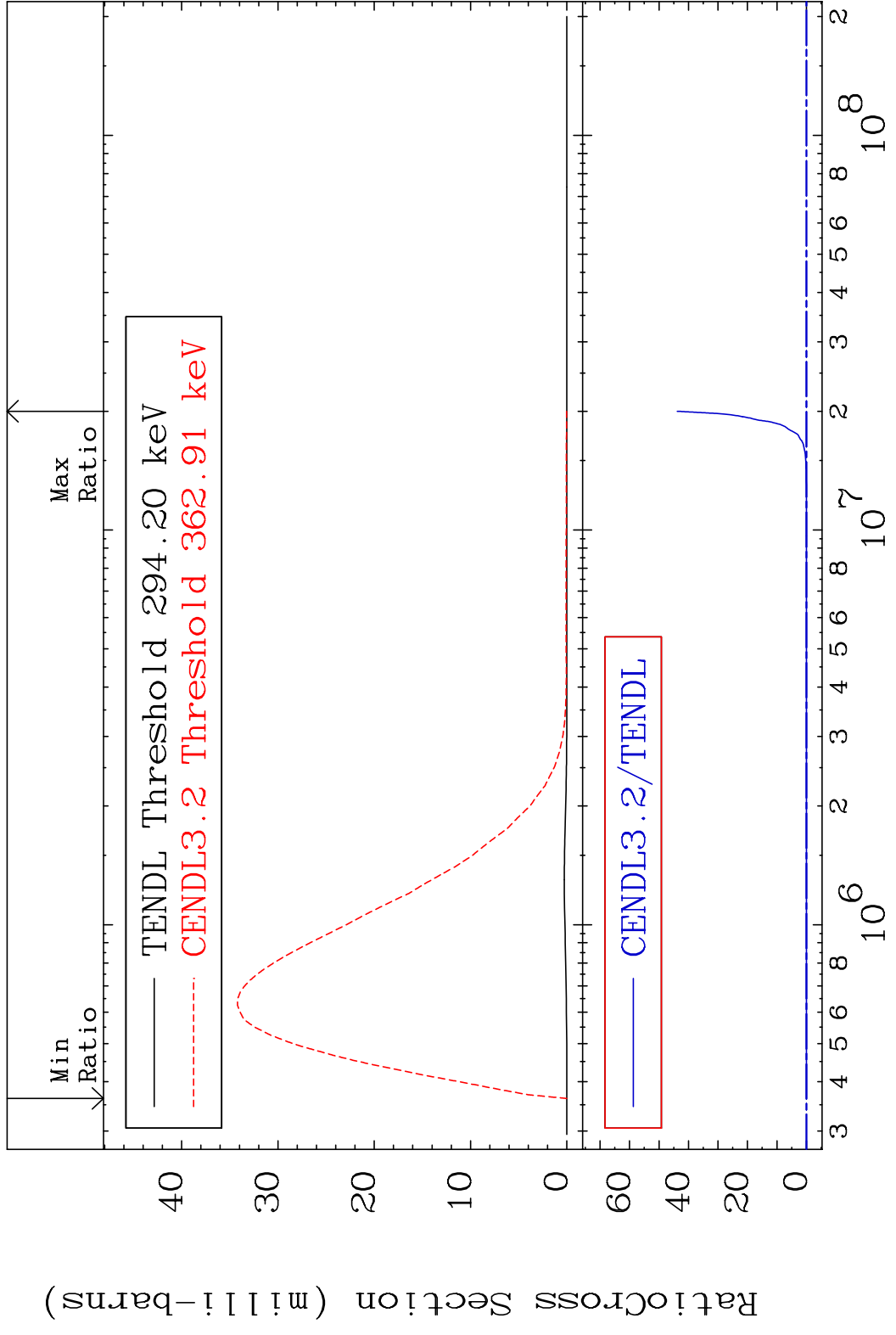
MAT 9547 MT= 72 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



MAT 9547 MT= 73 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

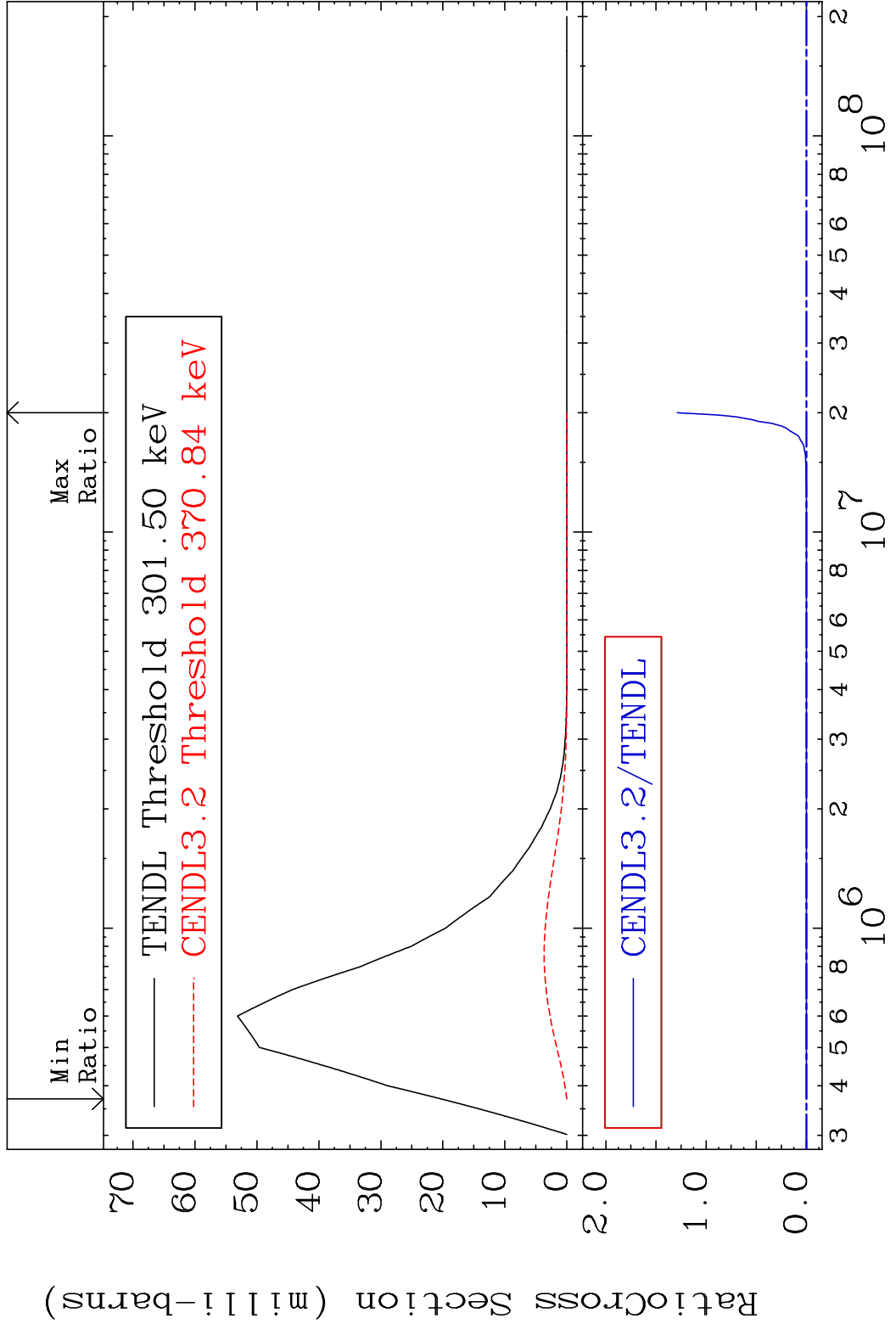


MAT 9547 MT= 74 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

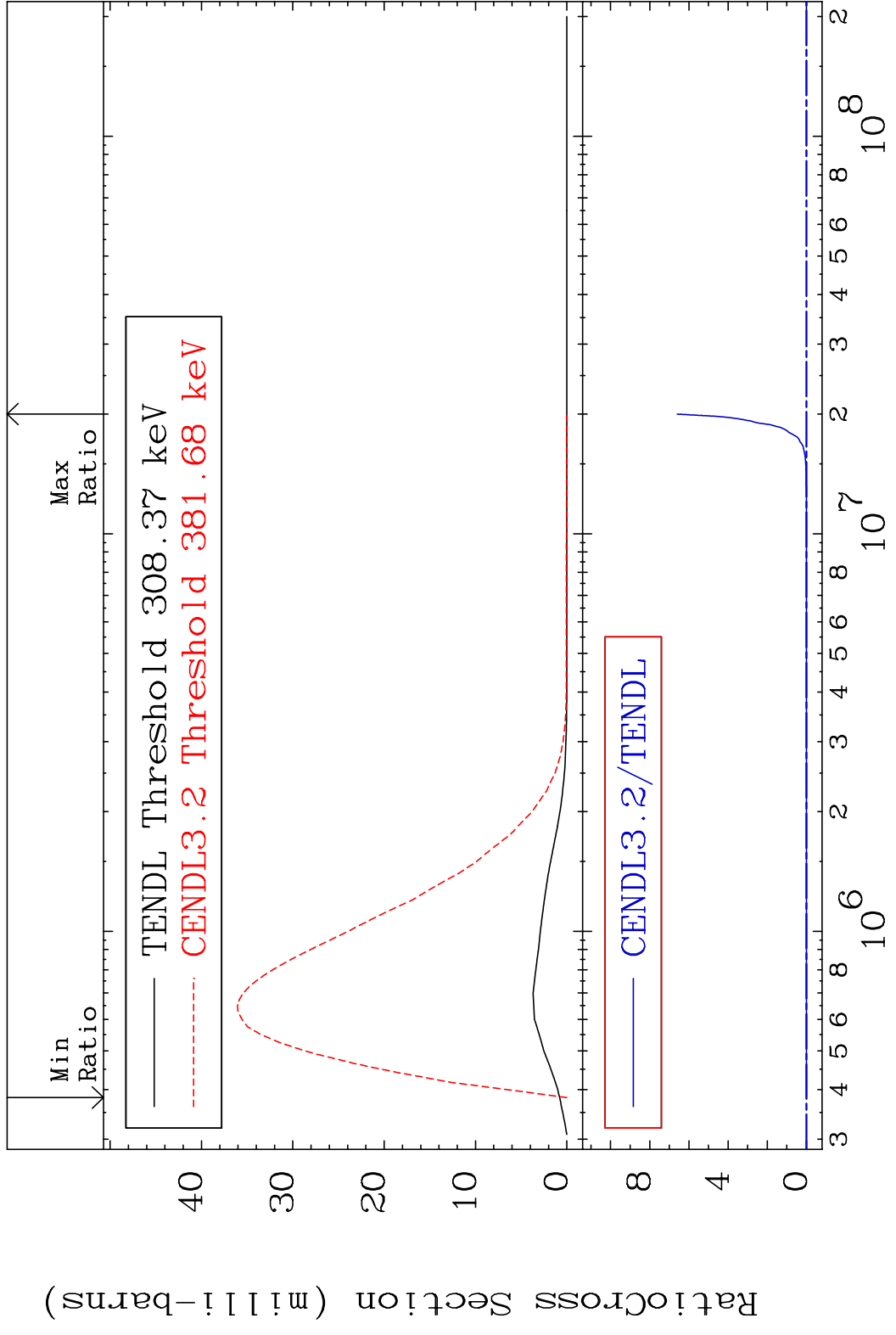


30 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 75 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

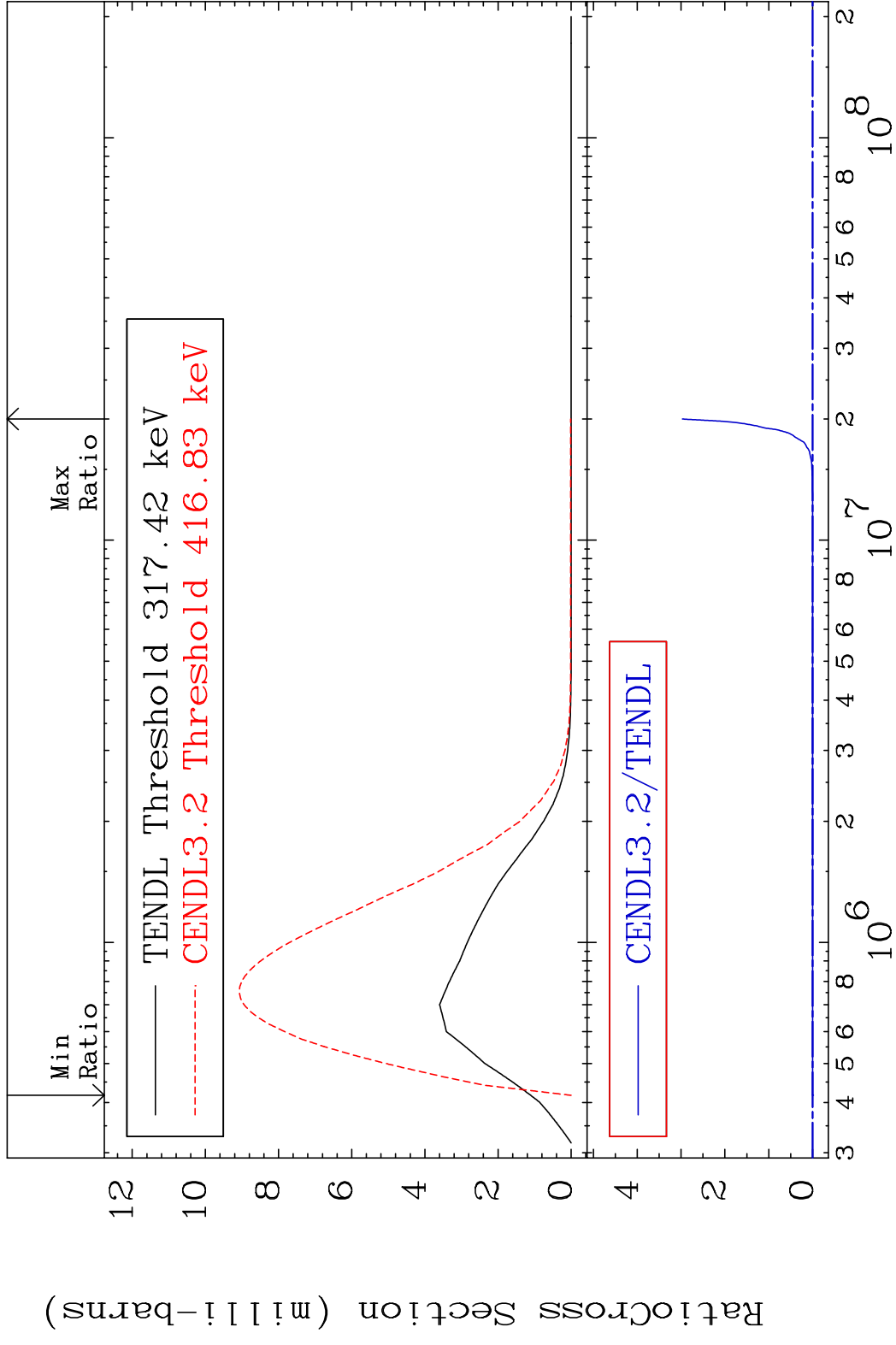


MAT 9547 MT= 76 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

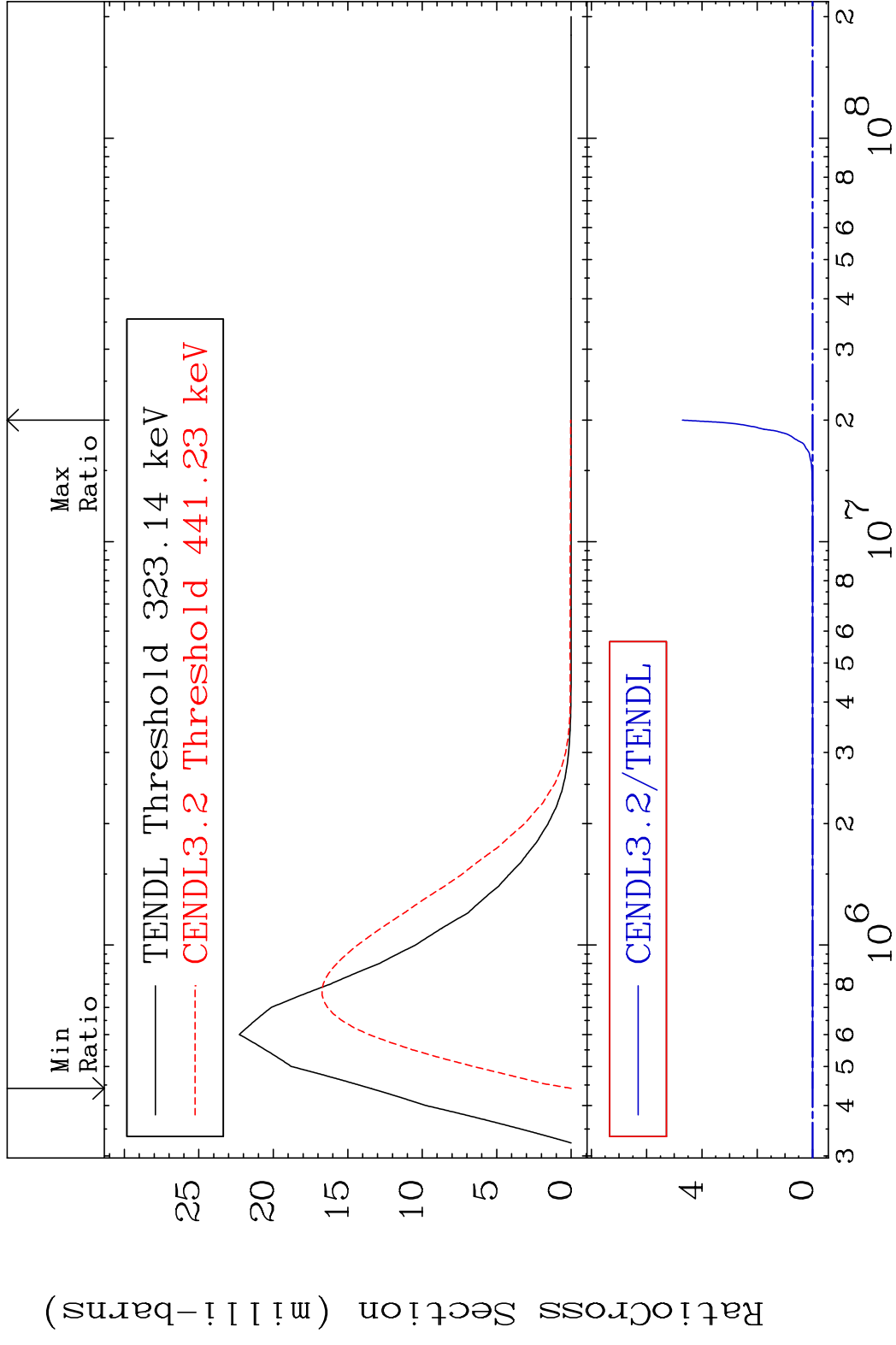


32 Incident Energy (eV) 95-Am-242m

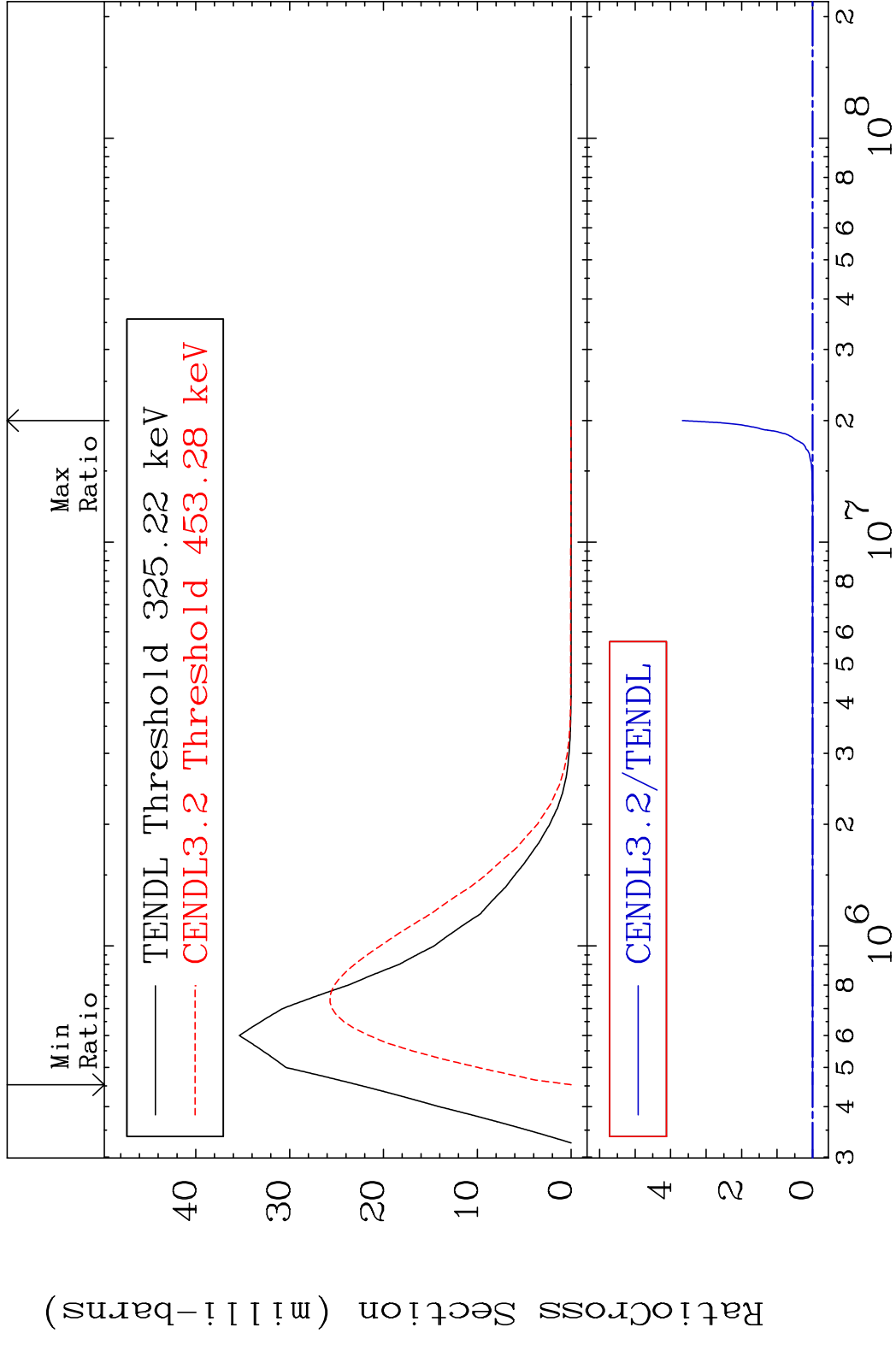
MAT 9547 MT= 77 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



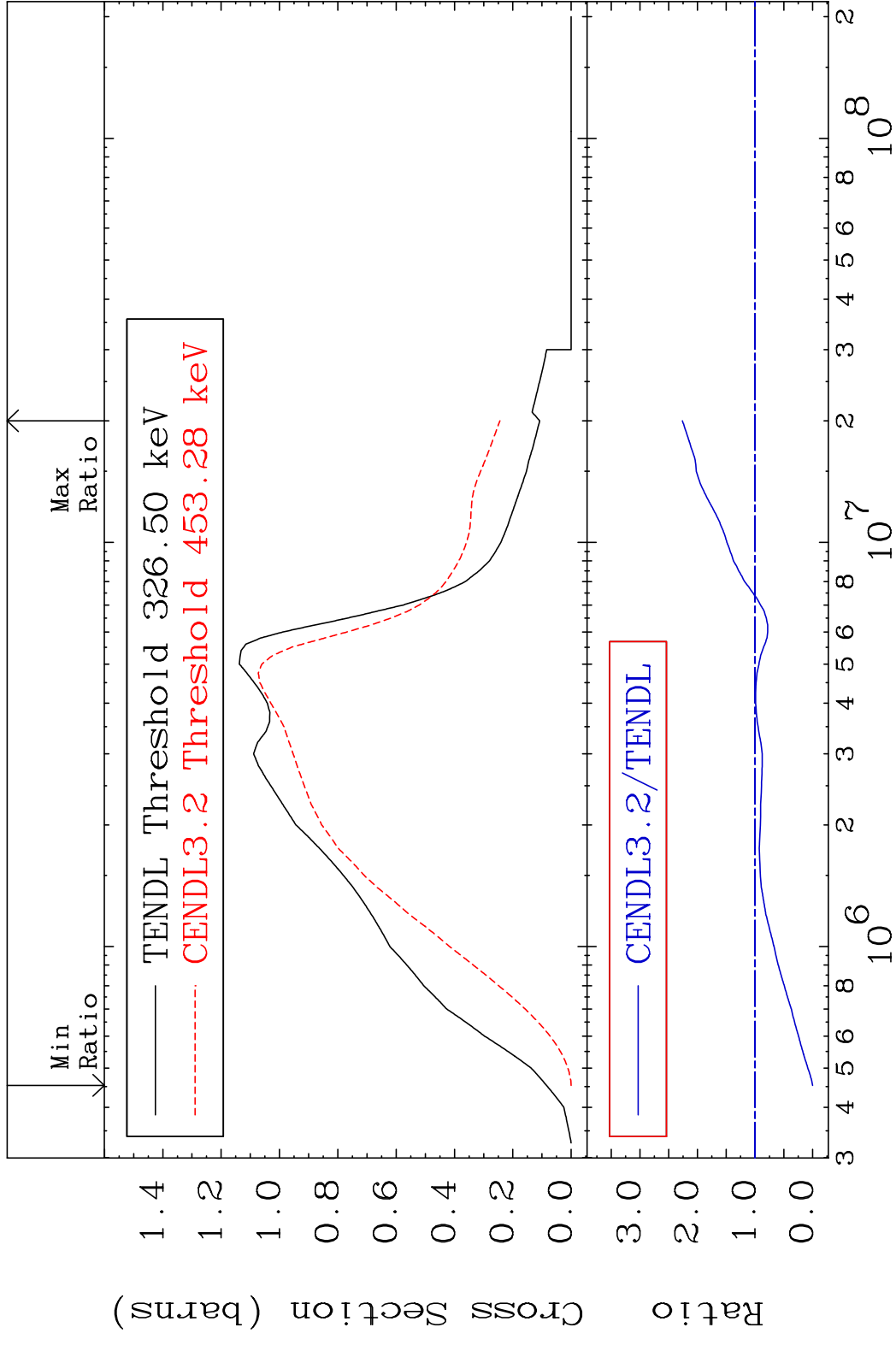
MAT 9547 MT= 78 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



MAT 9547 MT= 79 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



MAT 9547 (n, n') Continuum 95-Am-242m
 Cross Section -100.0 To 126.3 %

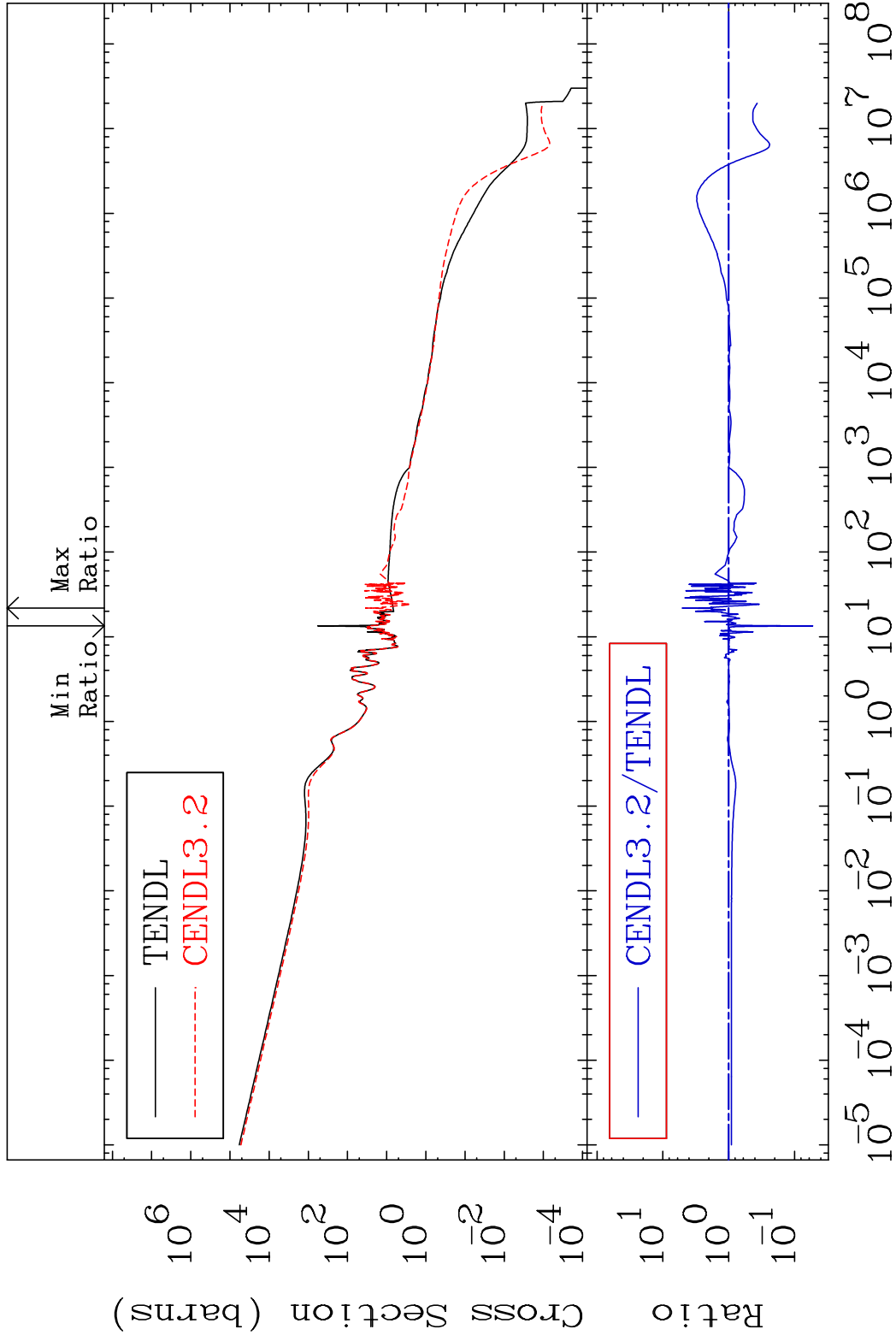


MAT 9547

(n, γ)

95-Am-242m

Cross Section -94.67 To 406.1 %



37

Incident Energy (eV)

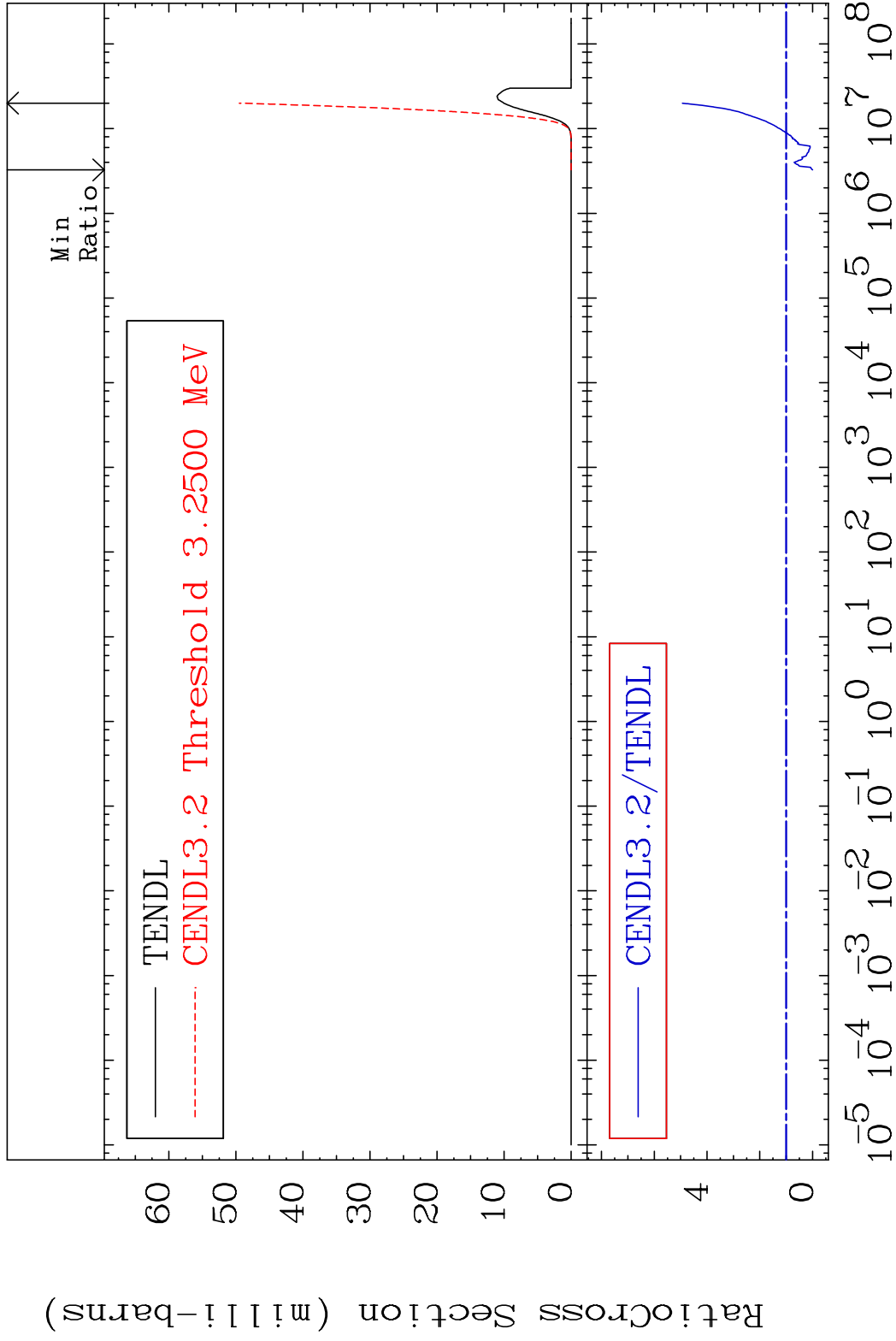
95-Am-242m

MAT 9547

(n, p)

95-Am-242m

Cross Section -100.0 To 393.6 %



38

Incident Energy (eV)

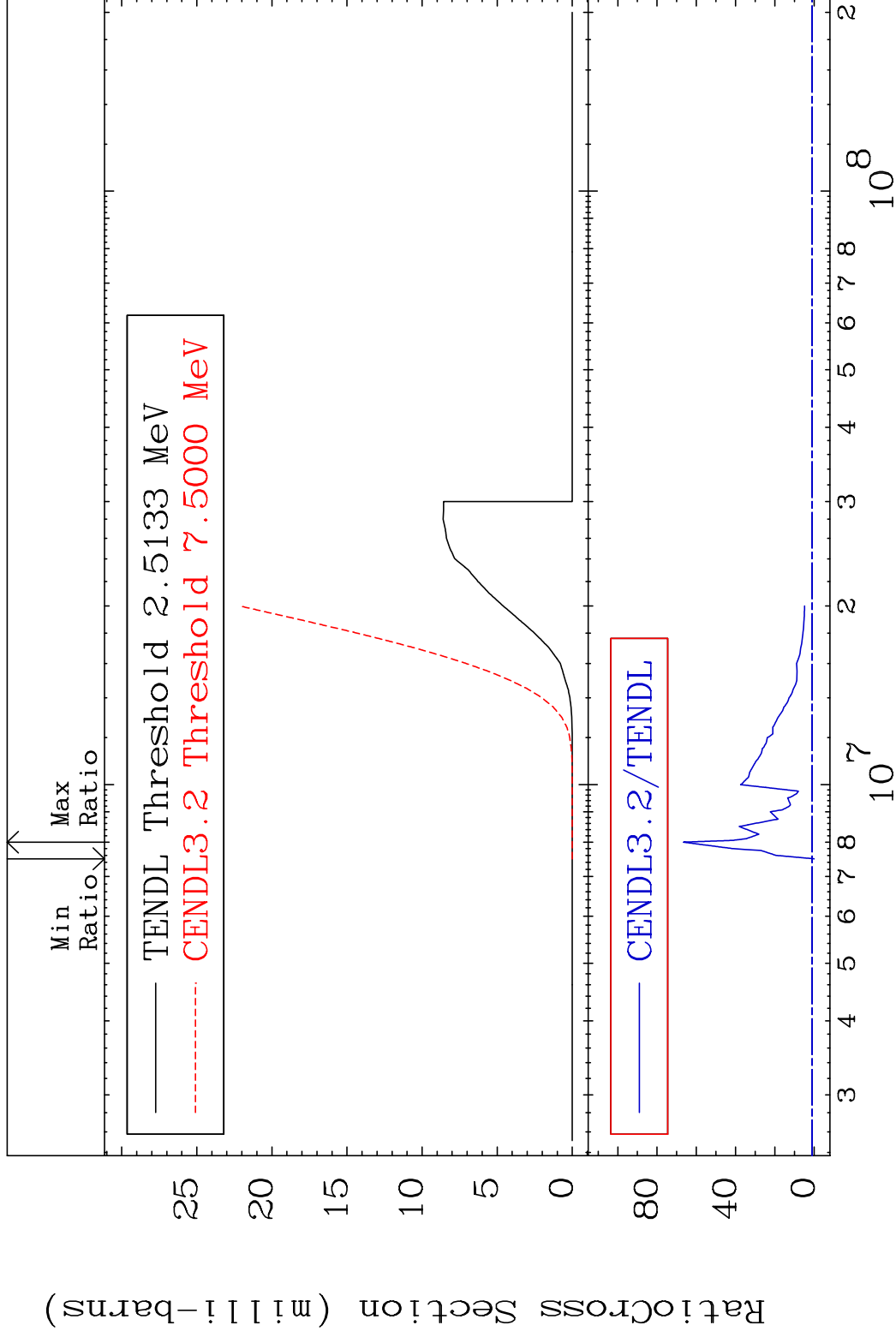
95-Am-242m

MAT 9547

(n, d)

95-Am-242m

Cross Section -100.0 To 6545. %



39

Incident Energy (eV)

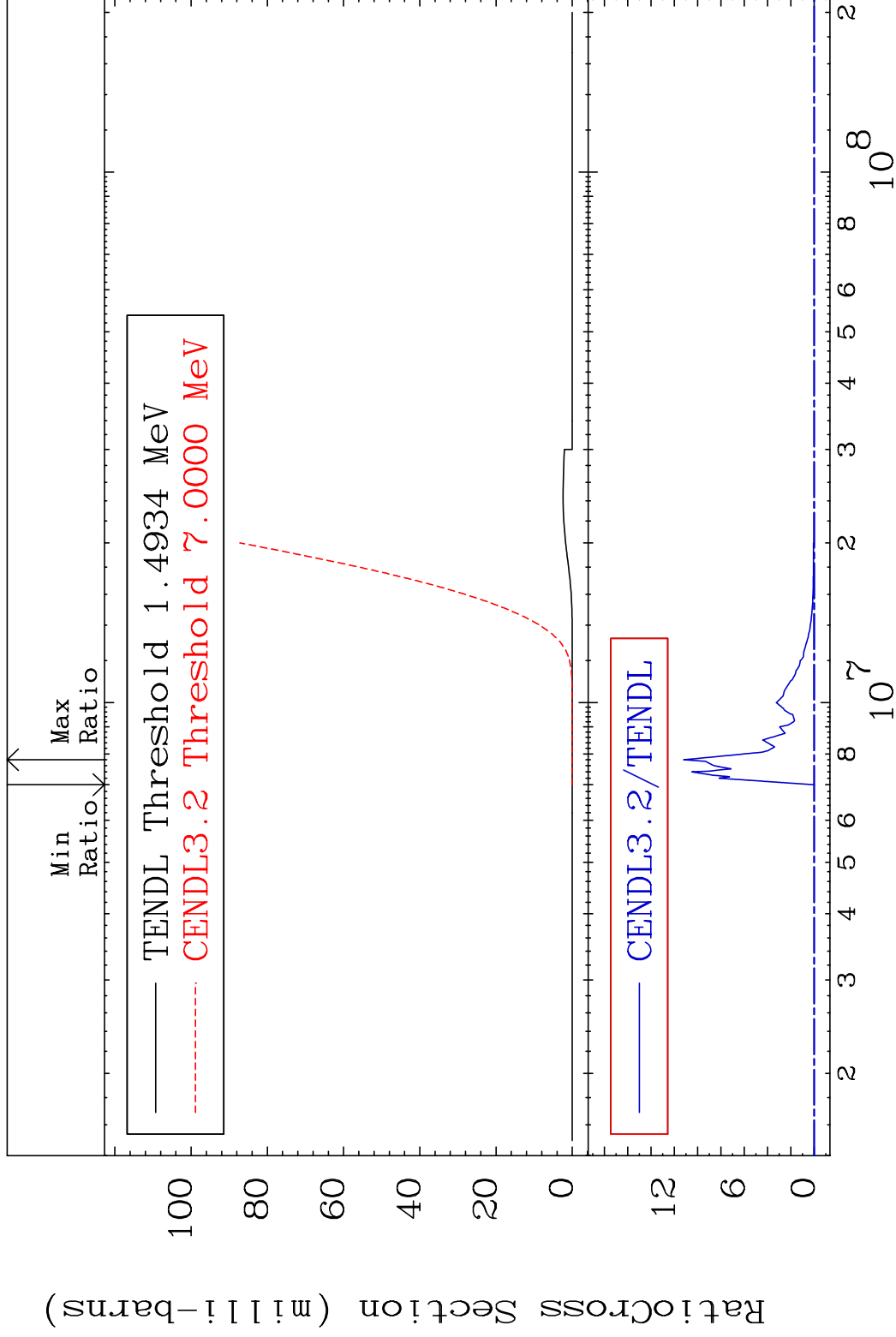
95-Am-242m

MAT 9547

(n, t)

95-Am-242m

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

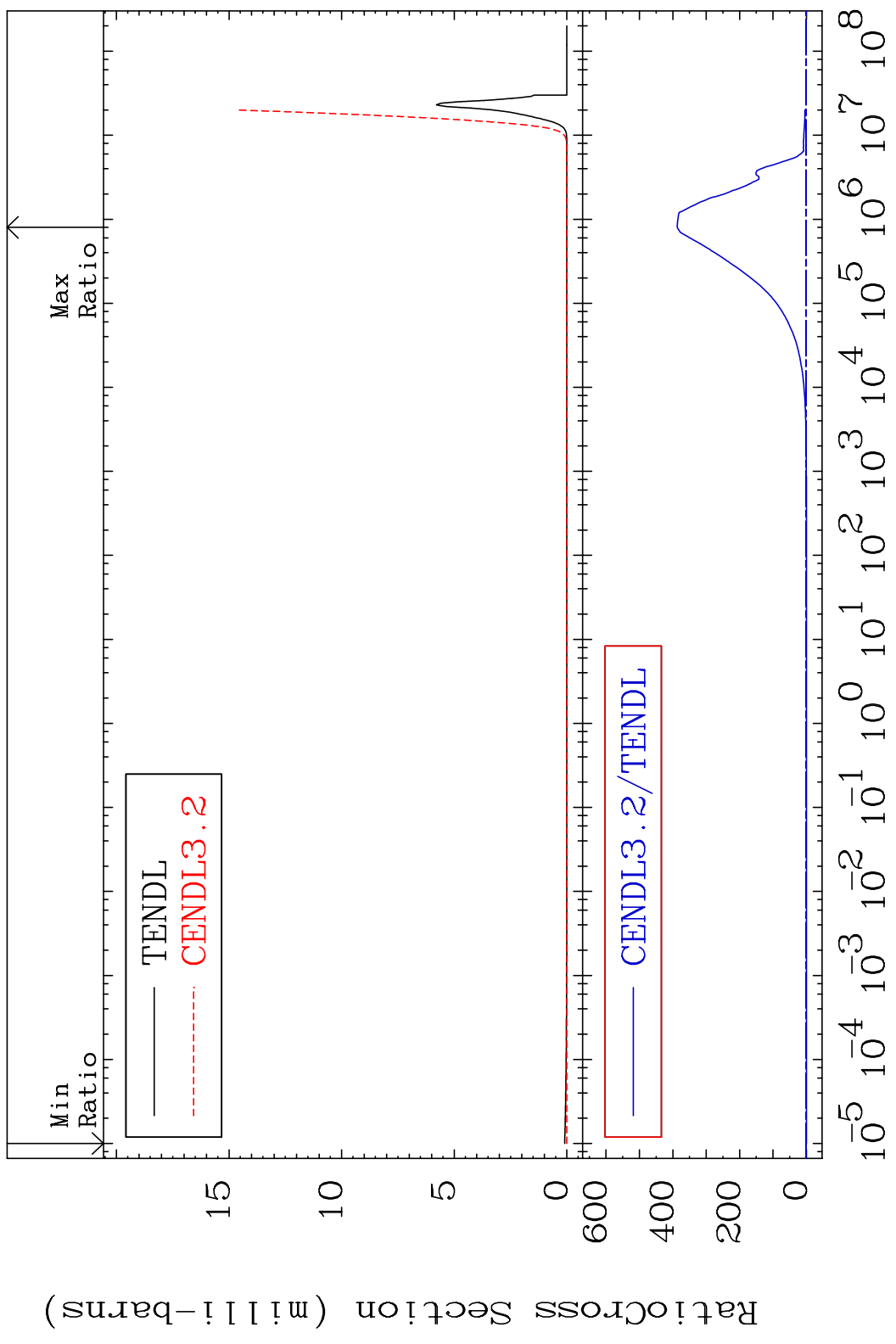
95-Am-242m

MAT 9547

(n, α)

95-Am-242m

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

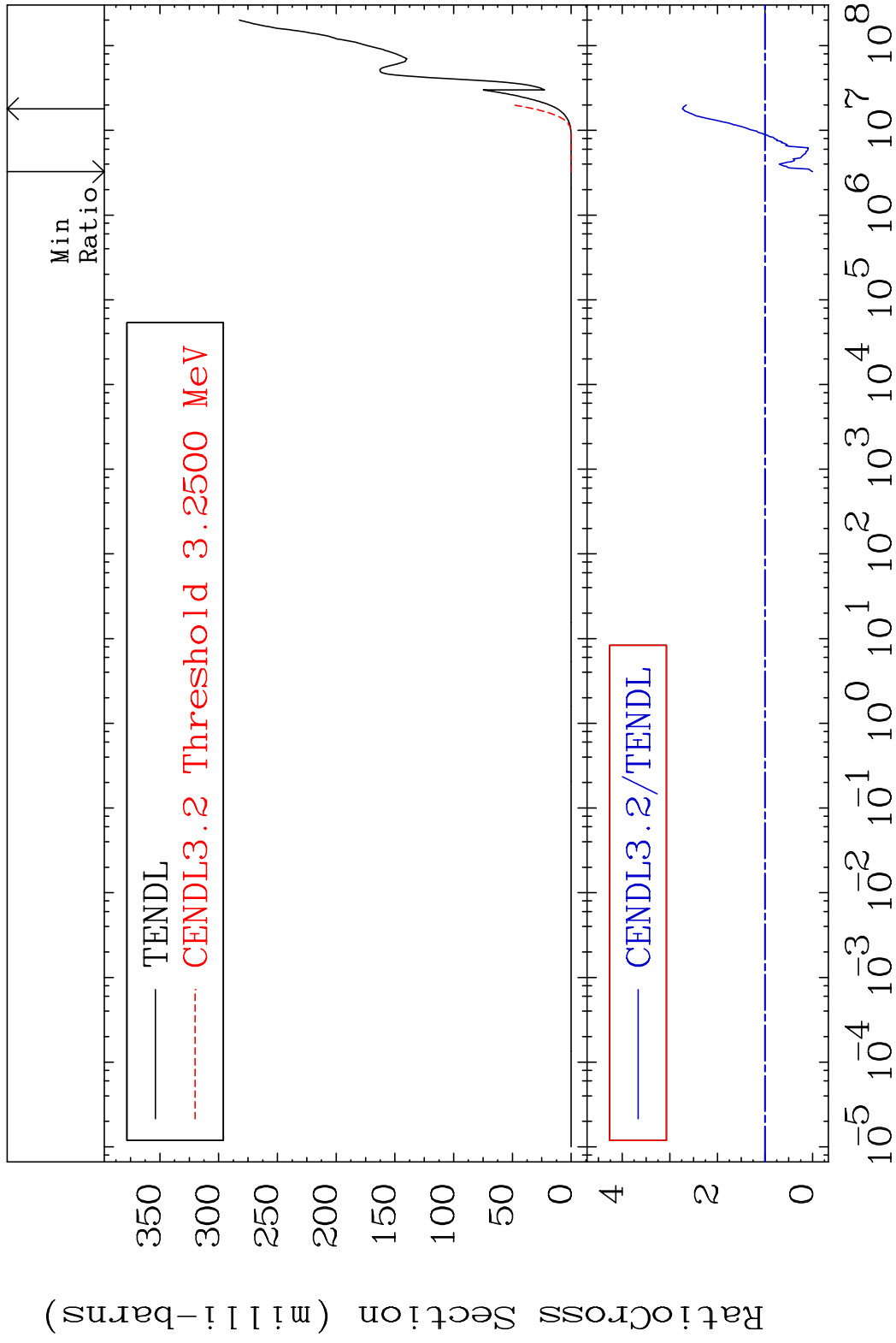
95-Am-242m

MAT 9547

Hydrogen Production

95-Am-242m

Cross Section -100.0 To 173.7 %



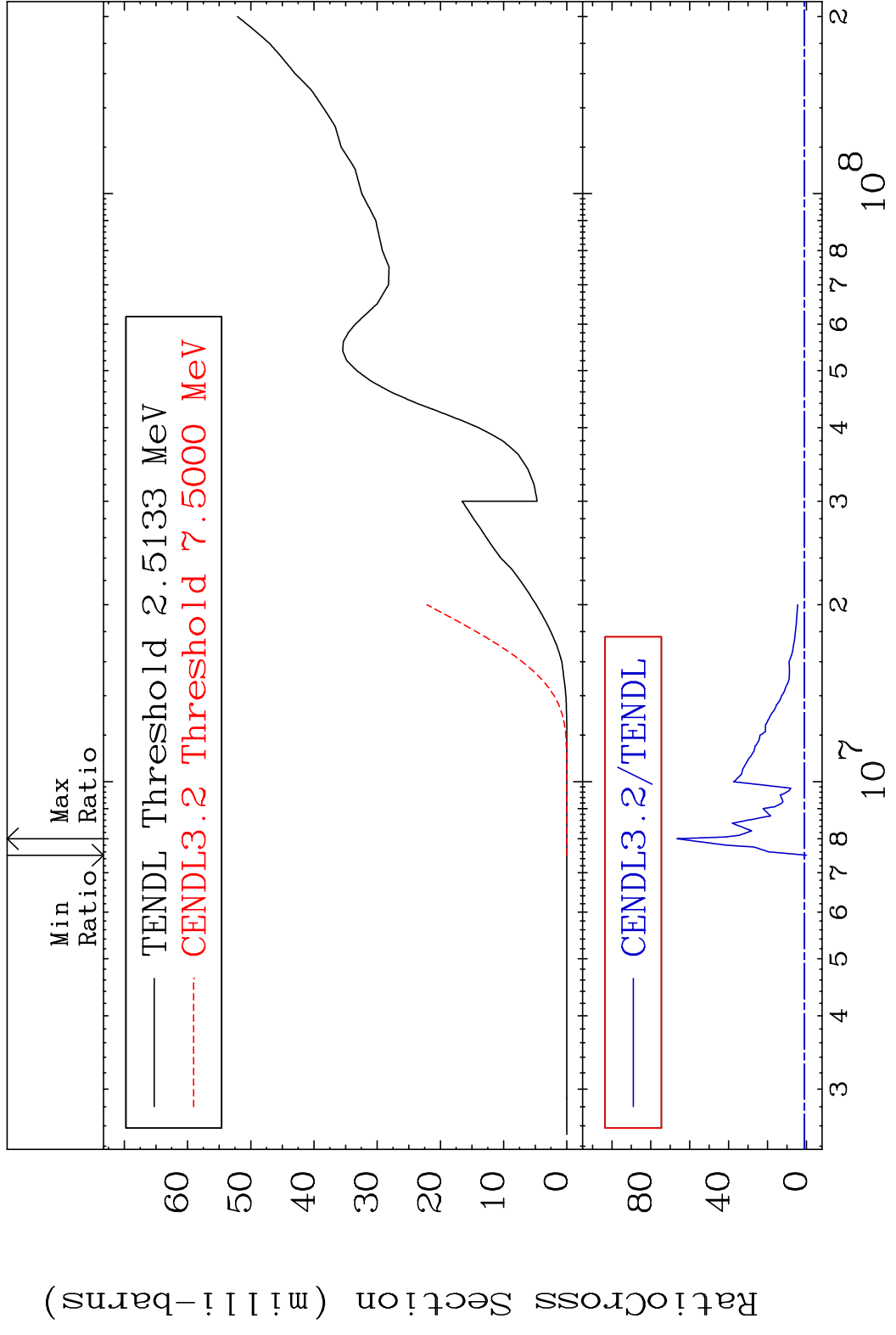
42

Incident Energy (eV)

95-Am-242m

MAT 9547

Deuterium Production 95-Am-242m
Cross Section -100.0 To 6545. %



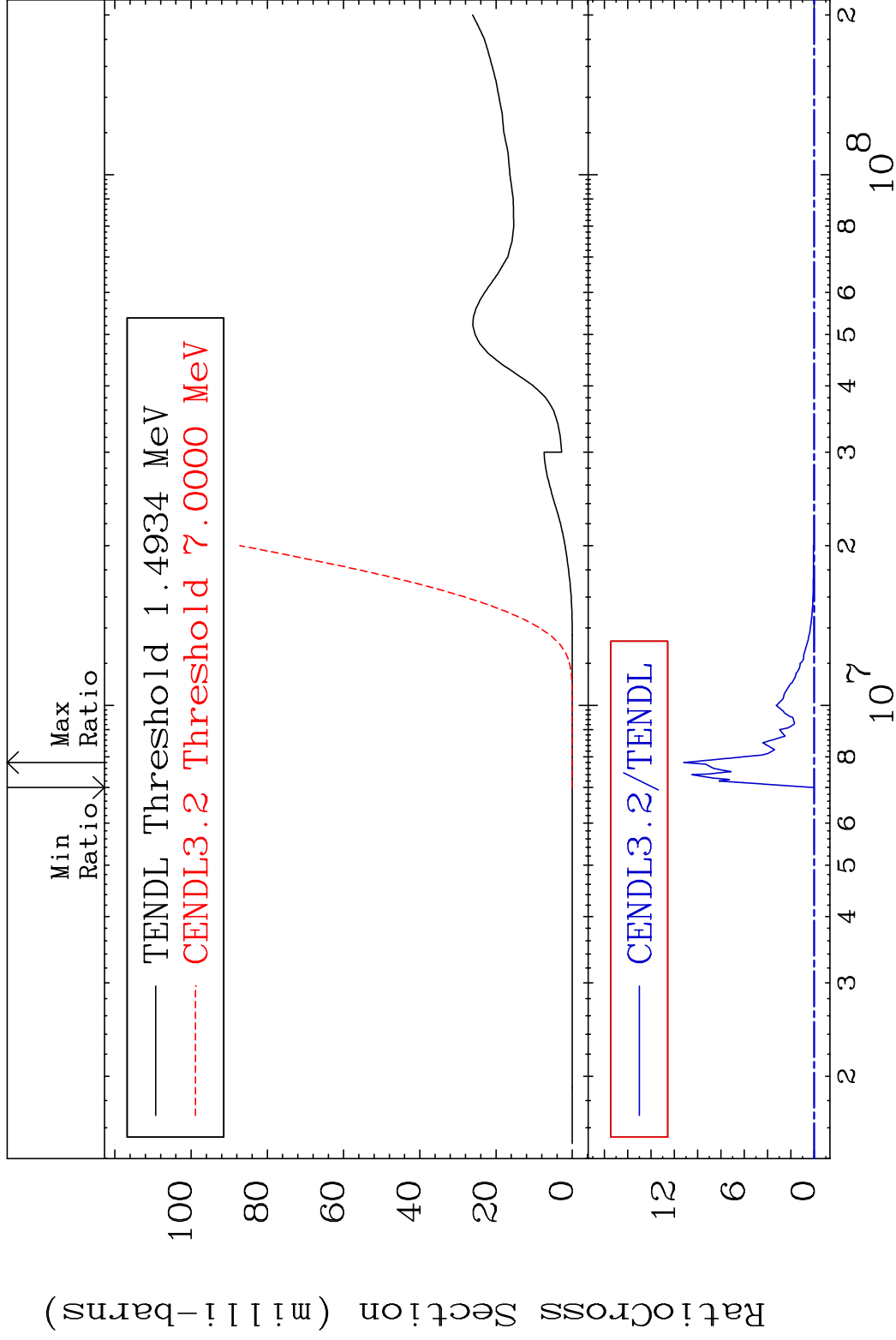
43

Incident Energy (eV)

95-Am-242m

MAT 9547

Tritium Production 95-Am-242m
Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

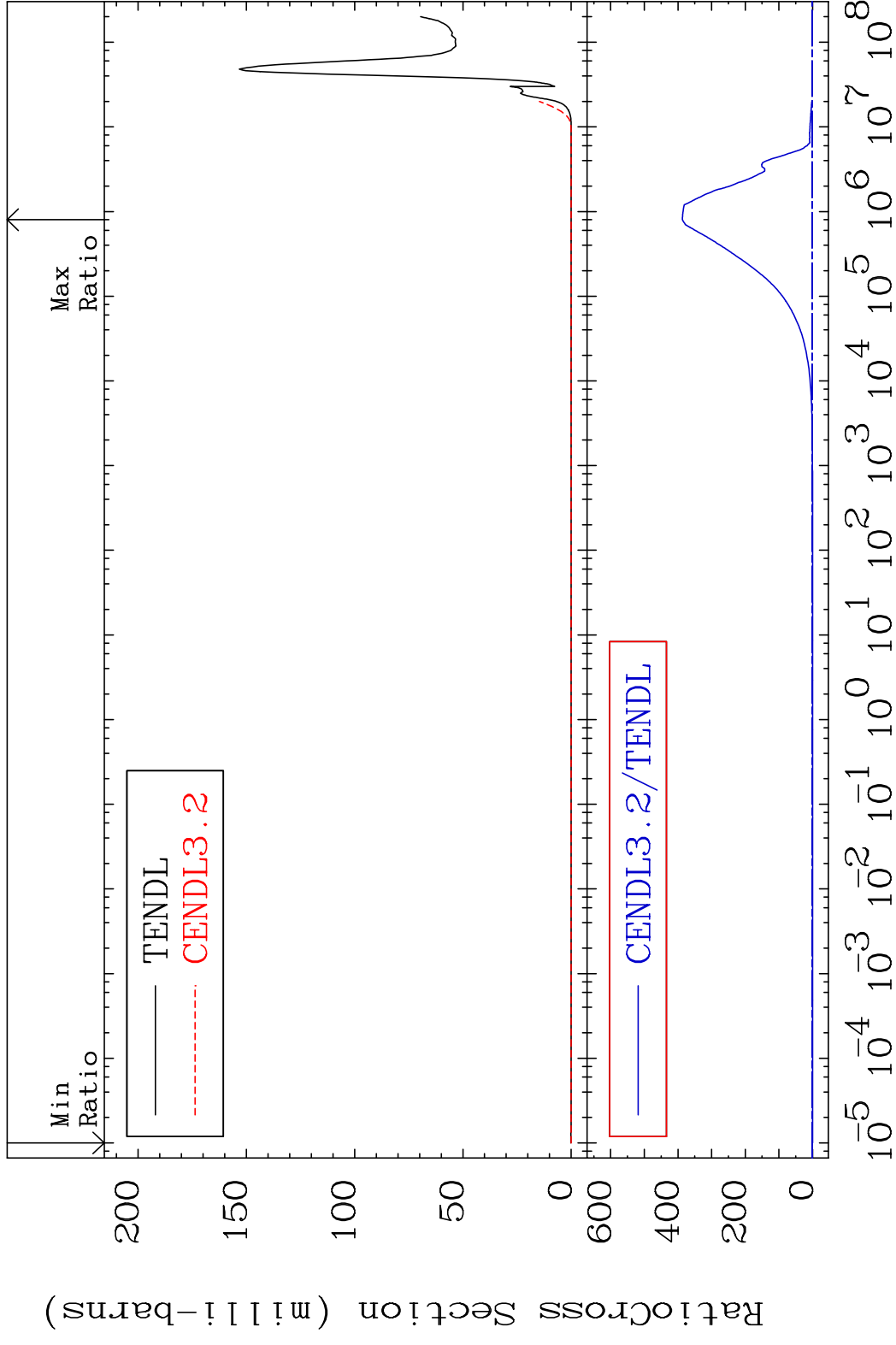
95-Am-242m

MAT 9547

He-4 Production

95-Am-242m

Cross Section -100.0 To 9999. %



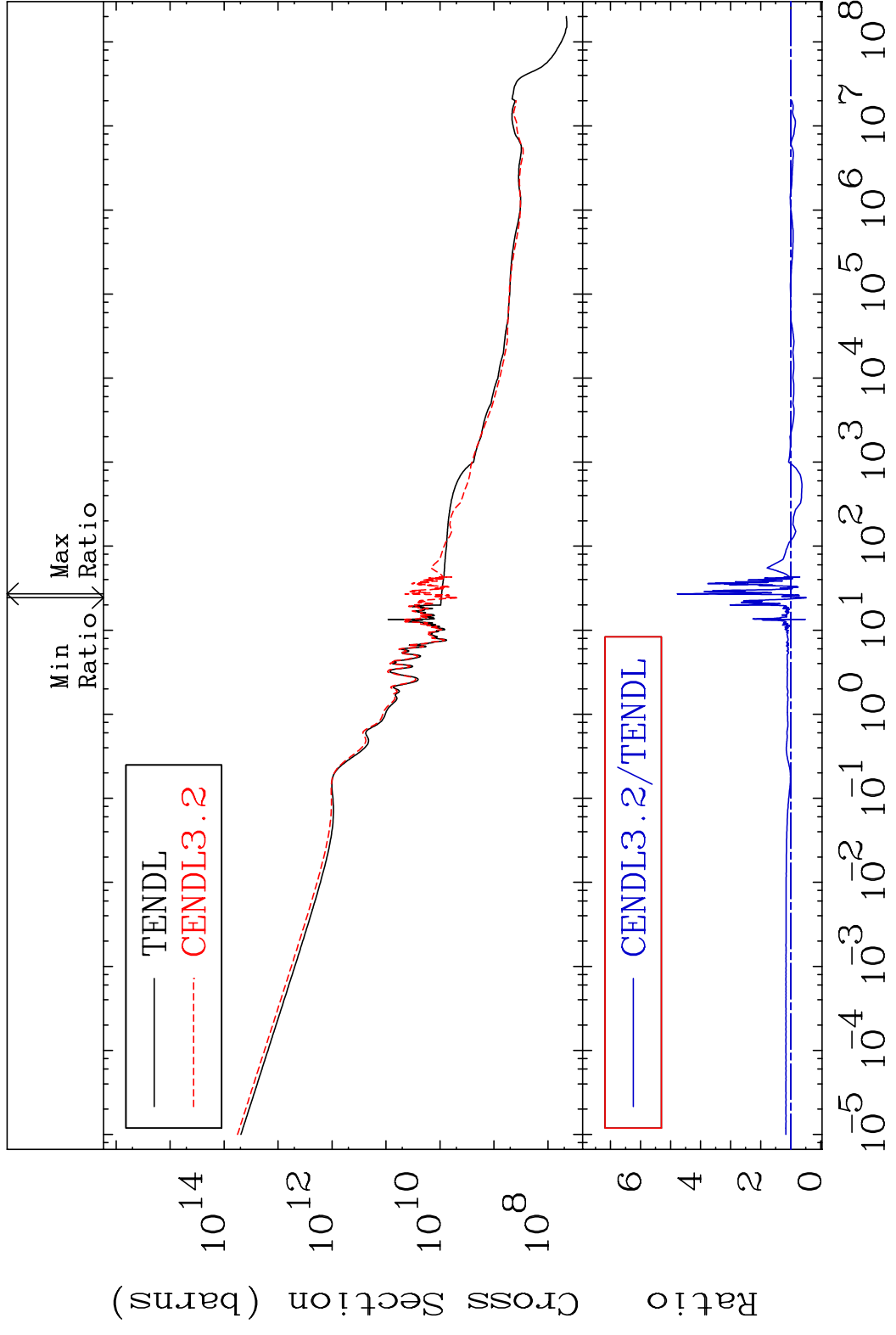
45

Incident Energy (eV)

95-Am-242m

MAT 9547

Kerma total (eV-barns) 95-Am-242m
Cross Section -52.17 To 378.1 %



46

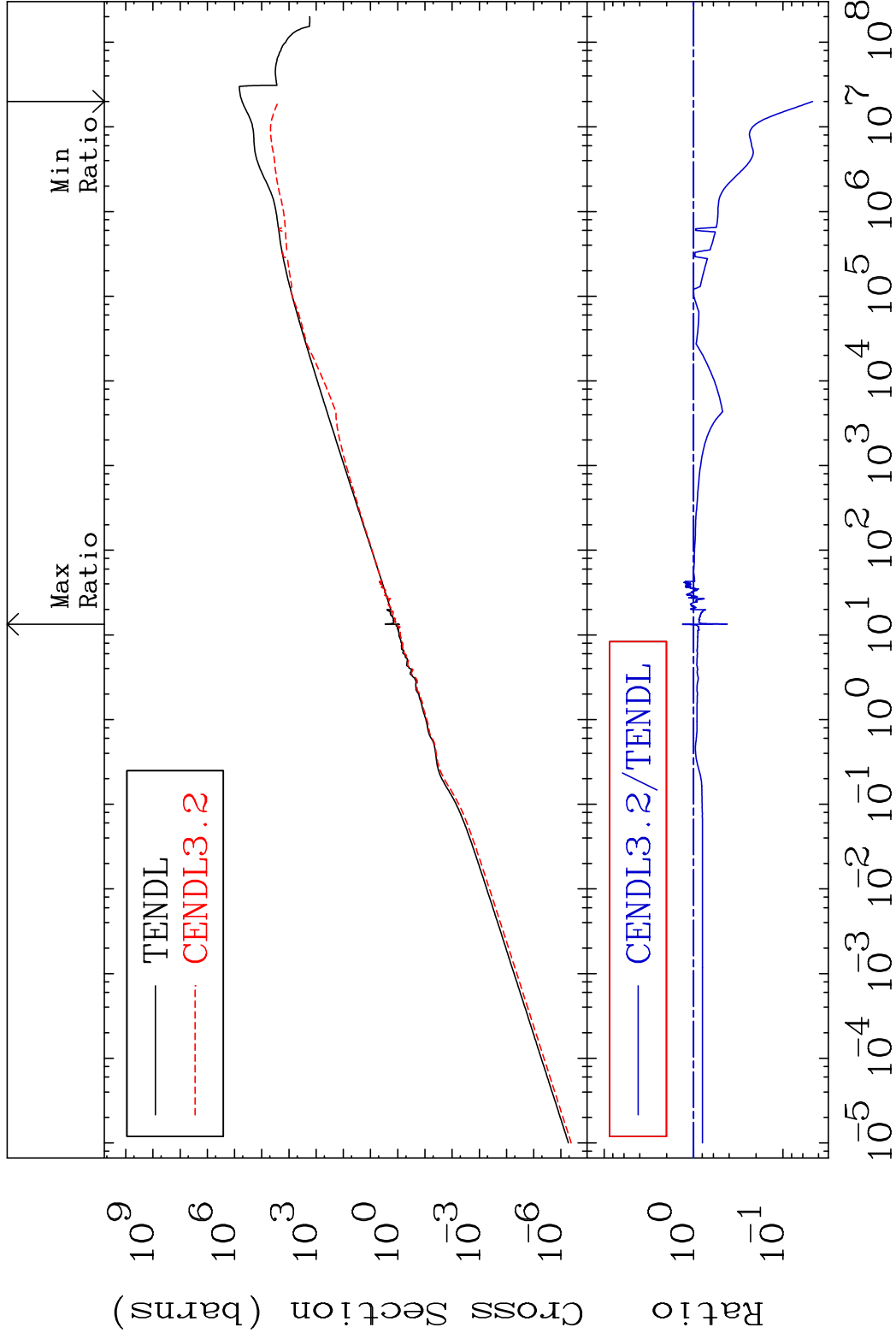
Incident Energy (eV)

95-Am-242m

MAT 9547

Kerma elastic
Cross Section

95-Am-242m
-95.32 To 33.45 %

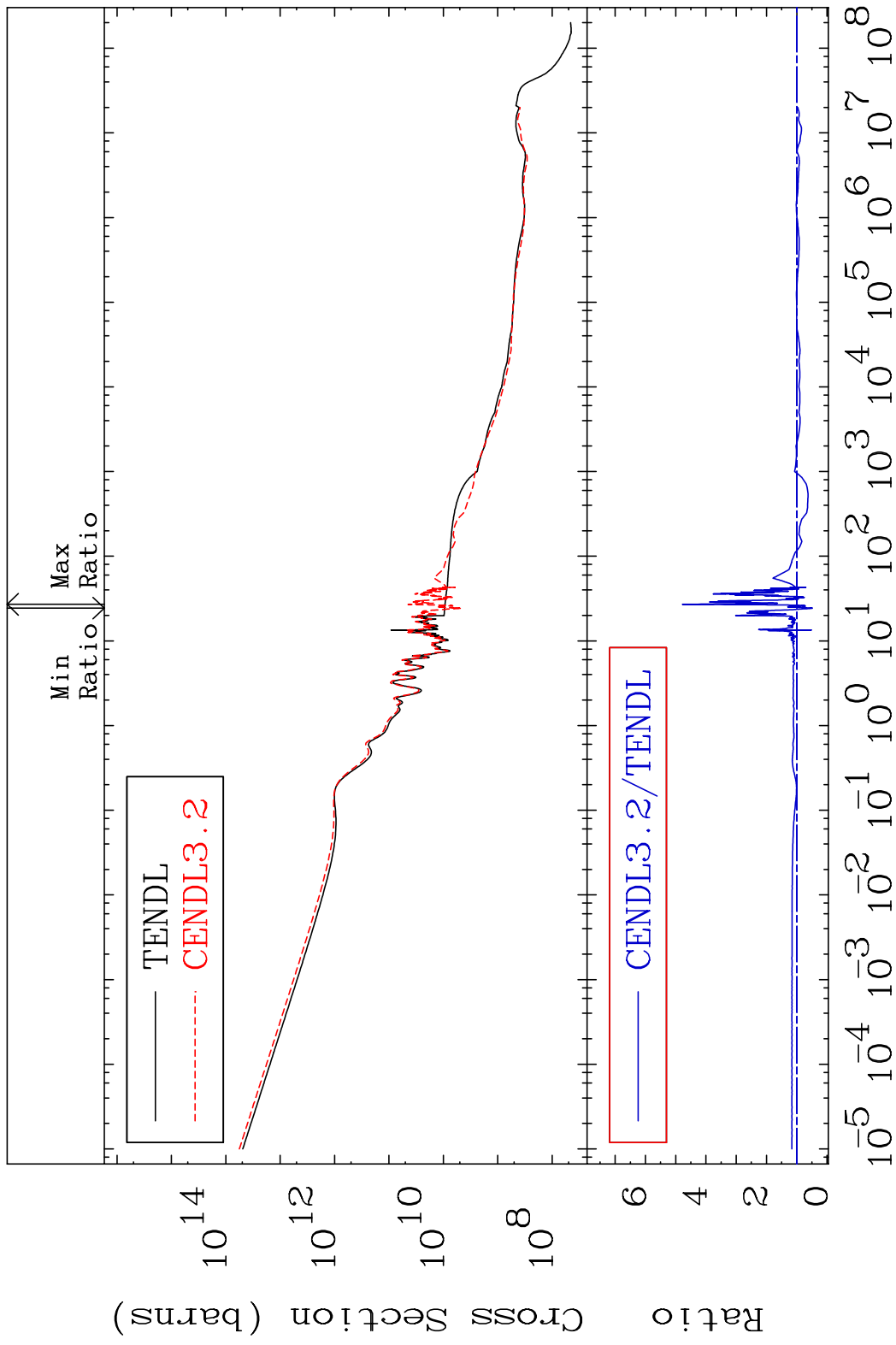


47

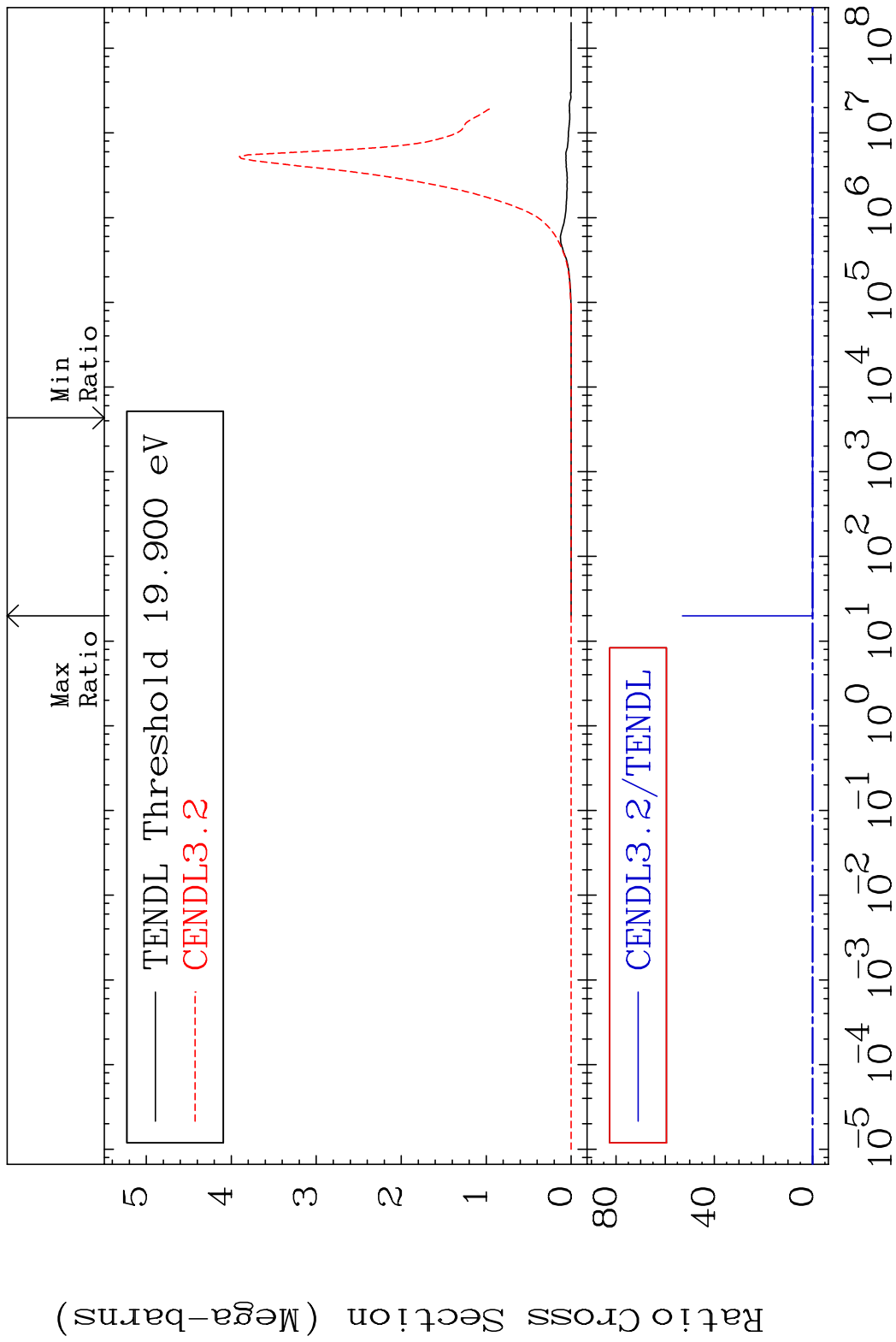
Incident Energy (eV)

95-Am-242m

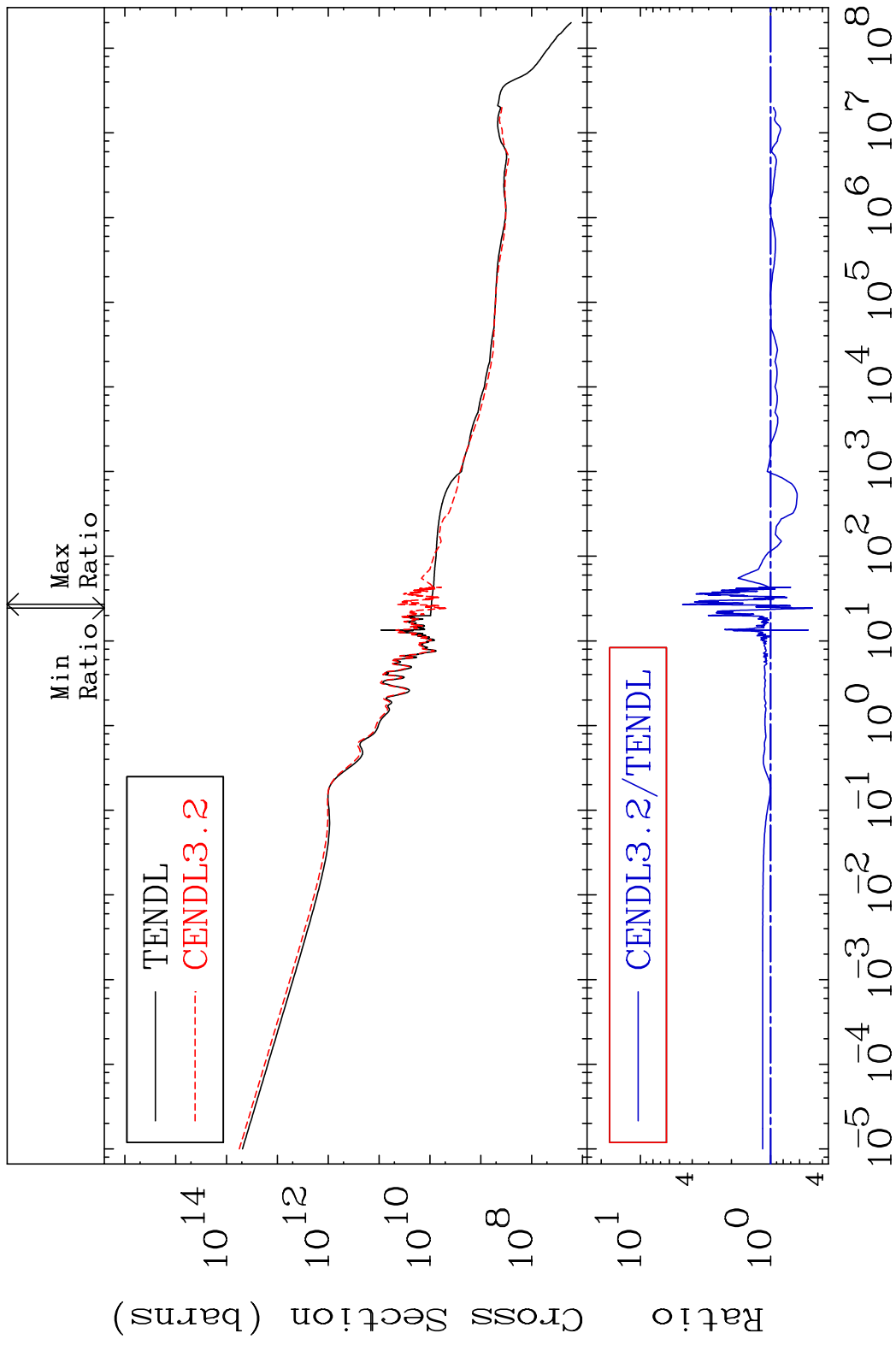
MAT 9547 Kerma non-elastic (all but mt2) 95-Am-242m
Cross Section -52.17 To 378.1 %



MAT 9547 Kerma inelastic (mt51-91) 95-Am-242m
 Cross Section -2081. To 9999. %



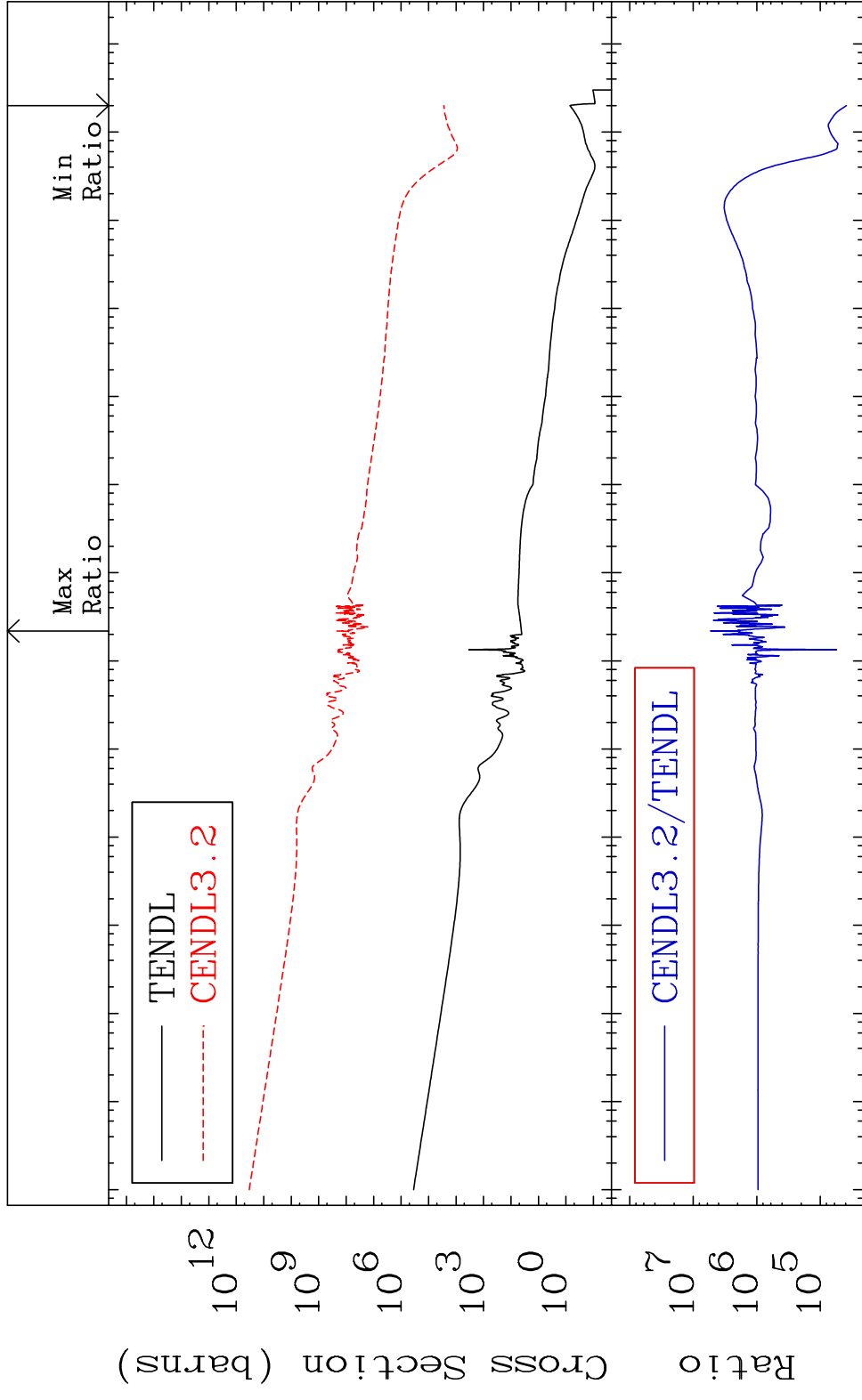
MAT 9547 Kerma fission (mt18 or mt19-20-21-30) 95-Am-242m
 Cross Section -52.36 To 376.4 %



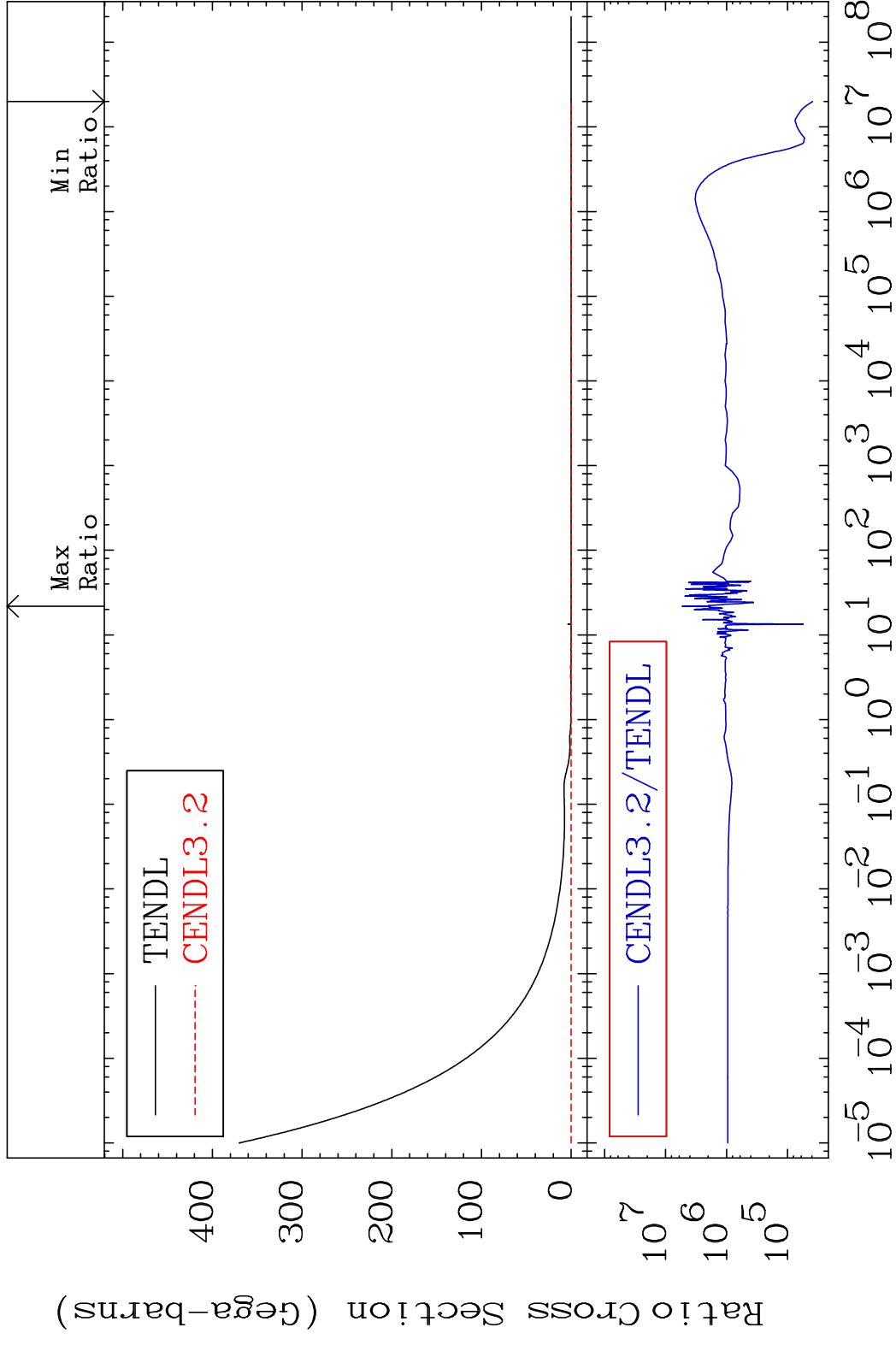
50 Incident Energy (eV) 95-Am-242m

MAT 9547

Kerma capture (mt102) 95-Am-242m
Cross Section 9999. To 9999. %

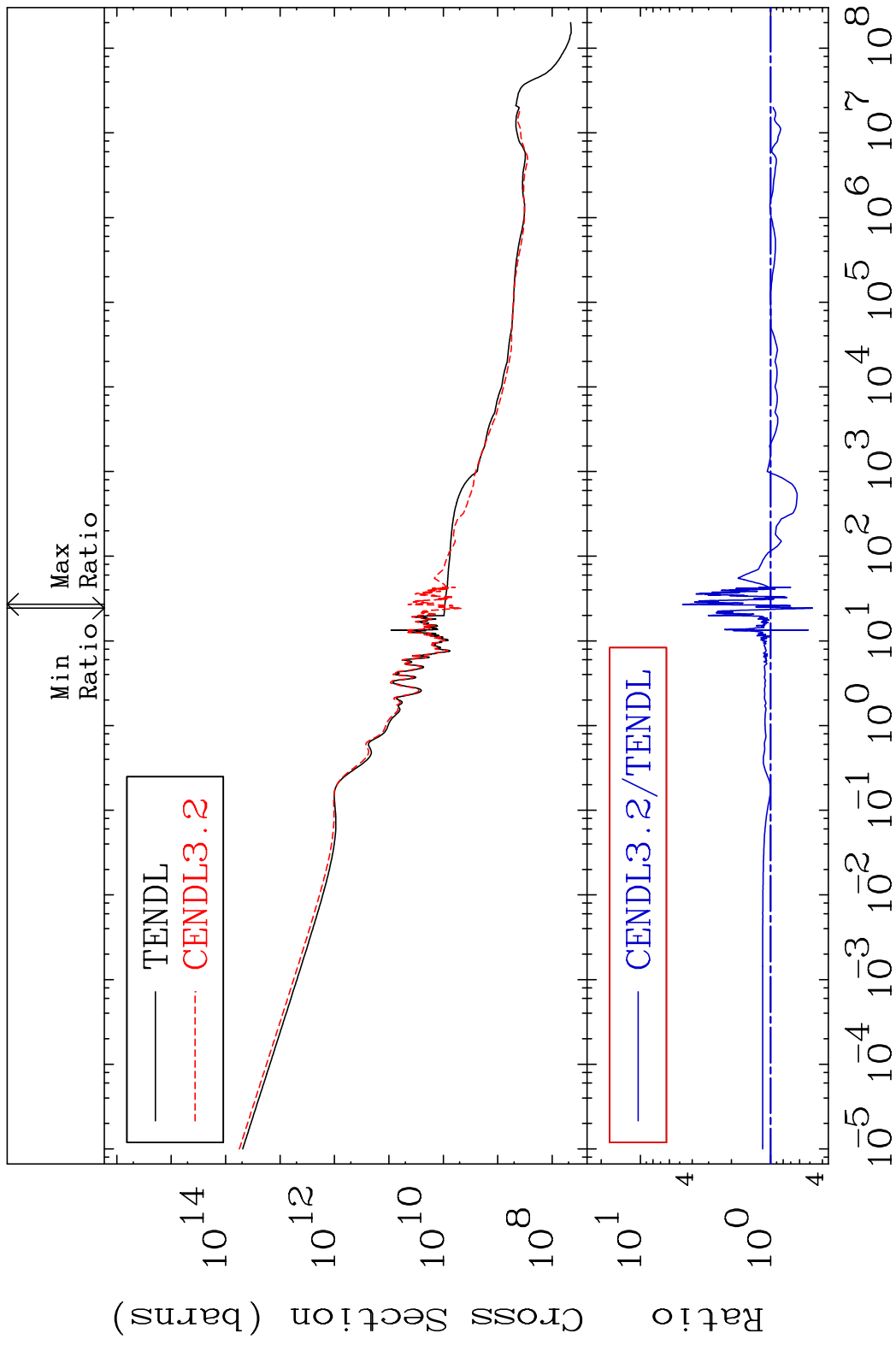


MAT 9547 Total photon (eV-barns) 95-Am-242m
 Cross Section 9999. To 9999. %



52 Incident Energy (eV) 95-Am-242m

MAT 9547 Total kinematic kerma (high limit)95-Am-242m
Cross Section -52.36 To 376.4 %

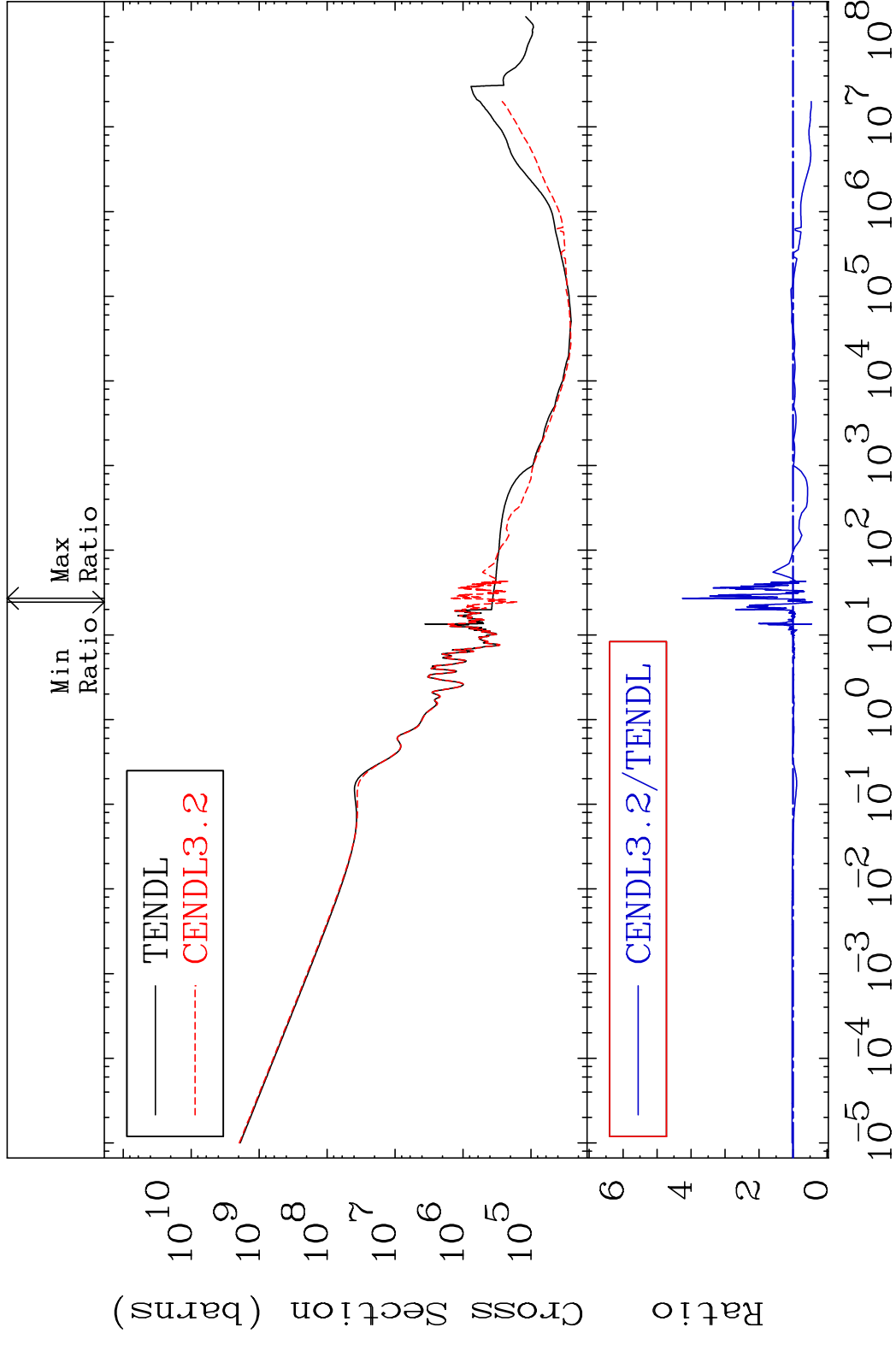


MAT 9547

Dpa total (eV-barns)

95-Am-242m

Cross Section -57.44 To 325.6 %



54

Incident Energy (eV)

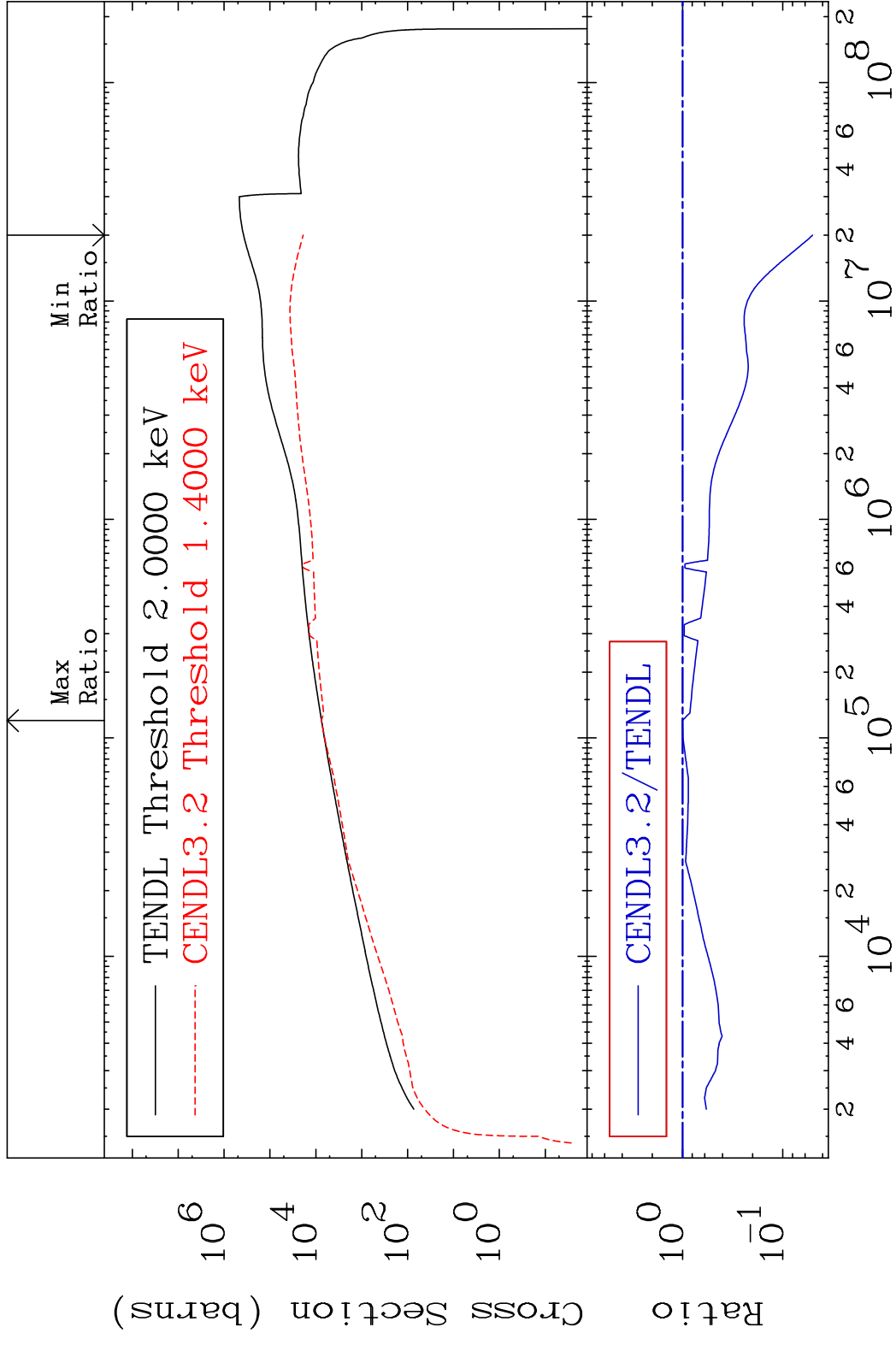
95-Am-242m

MAT 9547

Dpa elastic (mt2)

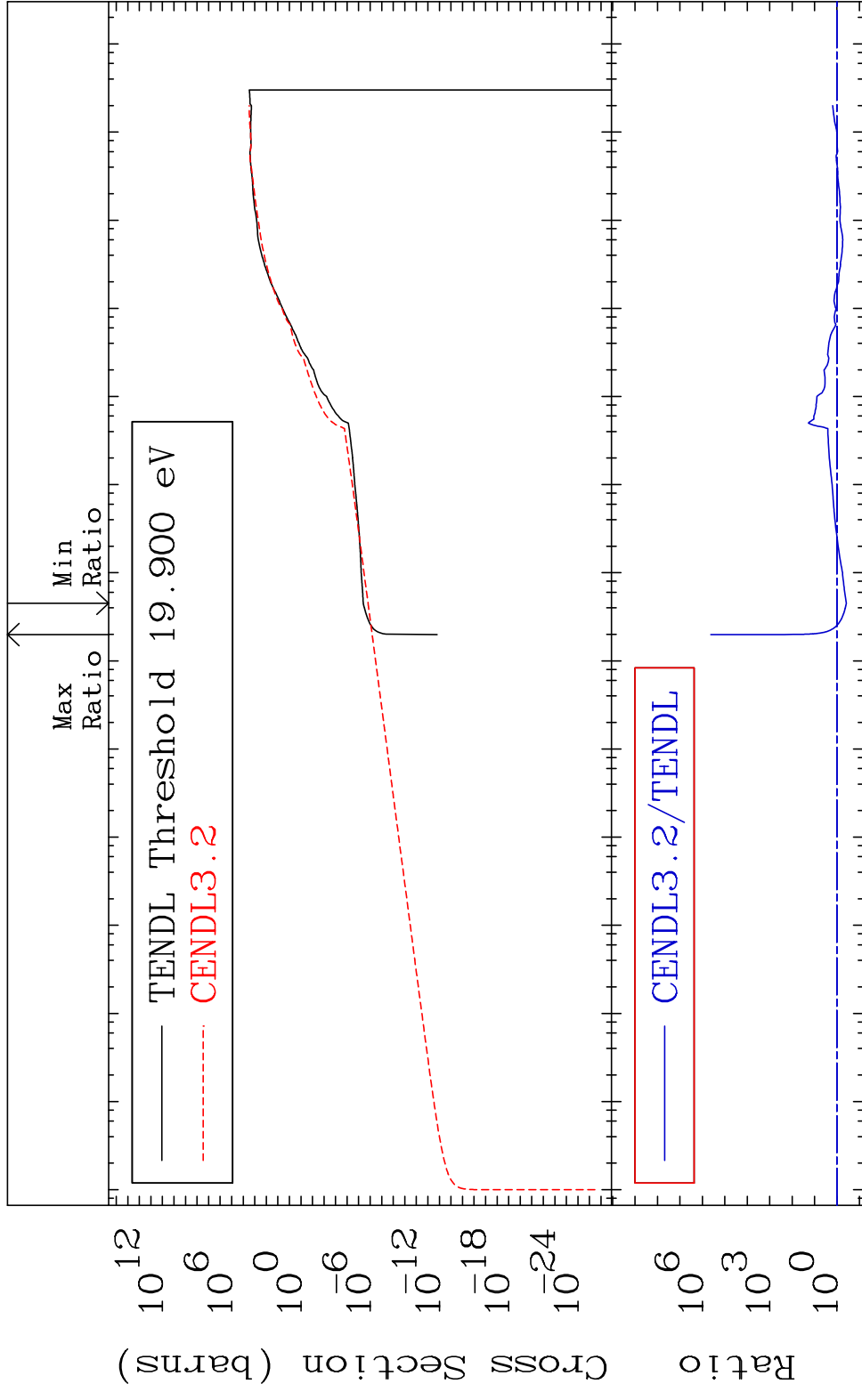
95-Am-242m

Cross Section -94.96 To 0.450 %

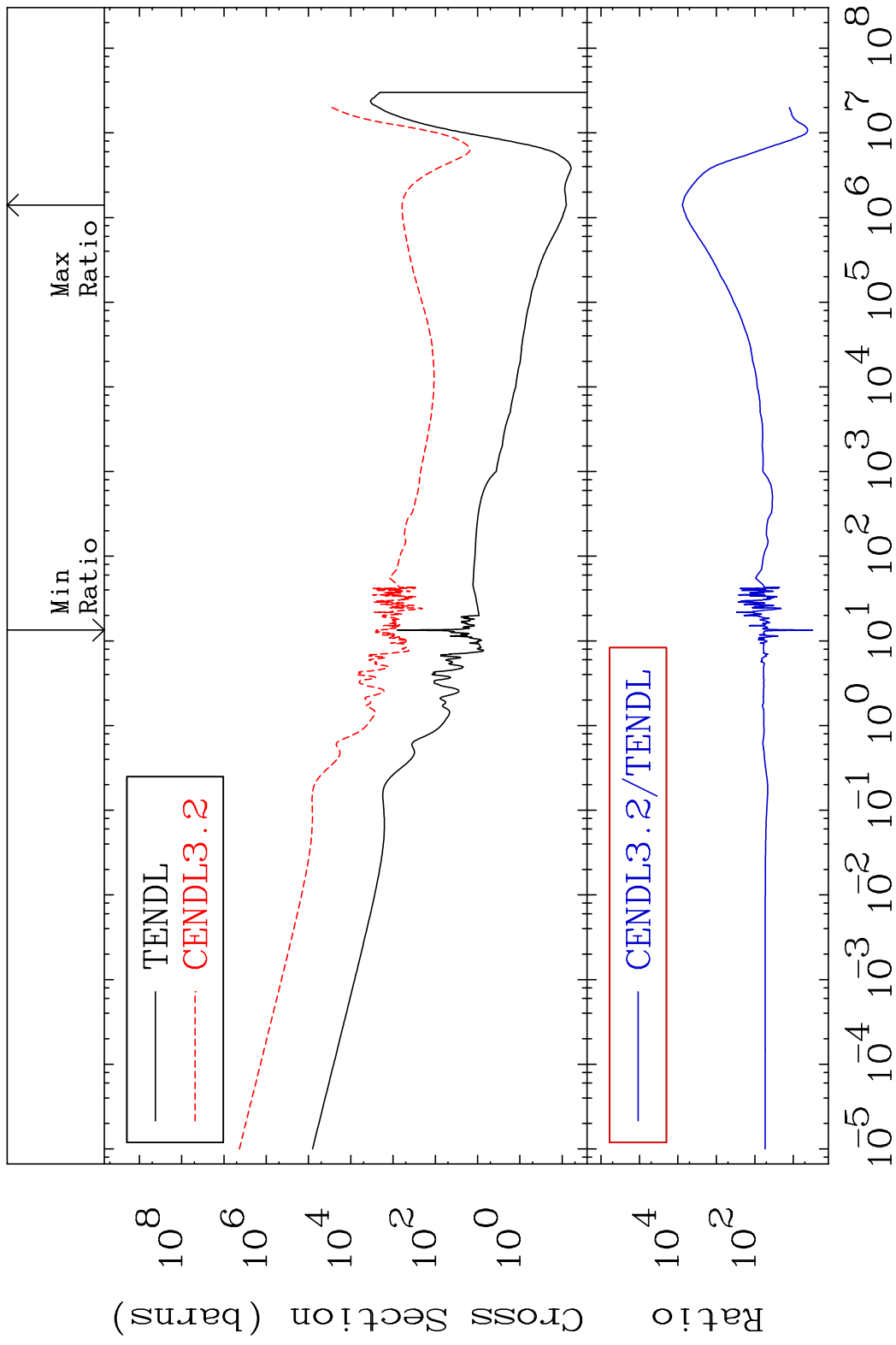


MAT 9547

Dpa inelastic (mt51-91) 95-Am-242m
Cross Section -61.67 To 9999. %



MAT 9547 Dpa disappearance (mt102 -120) 95-Am-242m
 Cross Section 214.8 To 9999. %



57 Incident Energy (eV) 95-Am-242m