

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

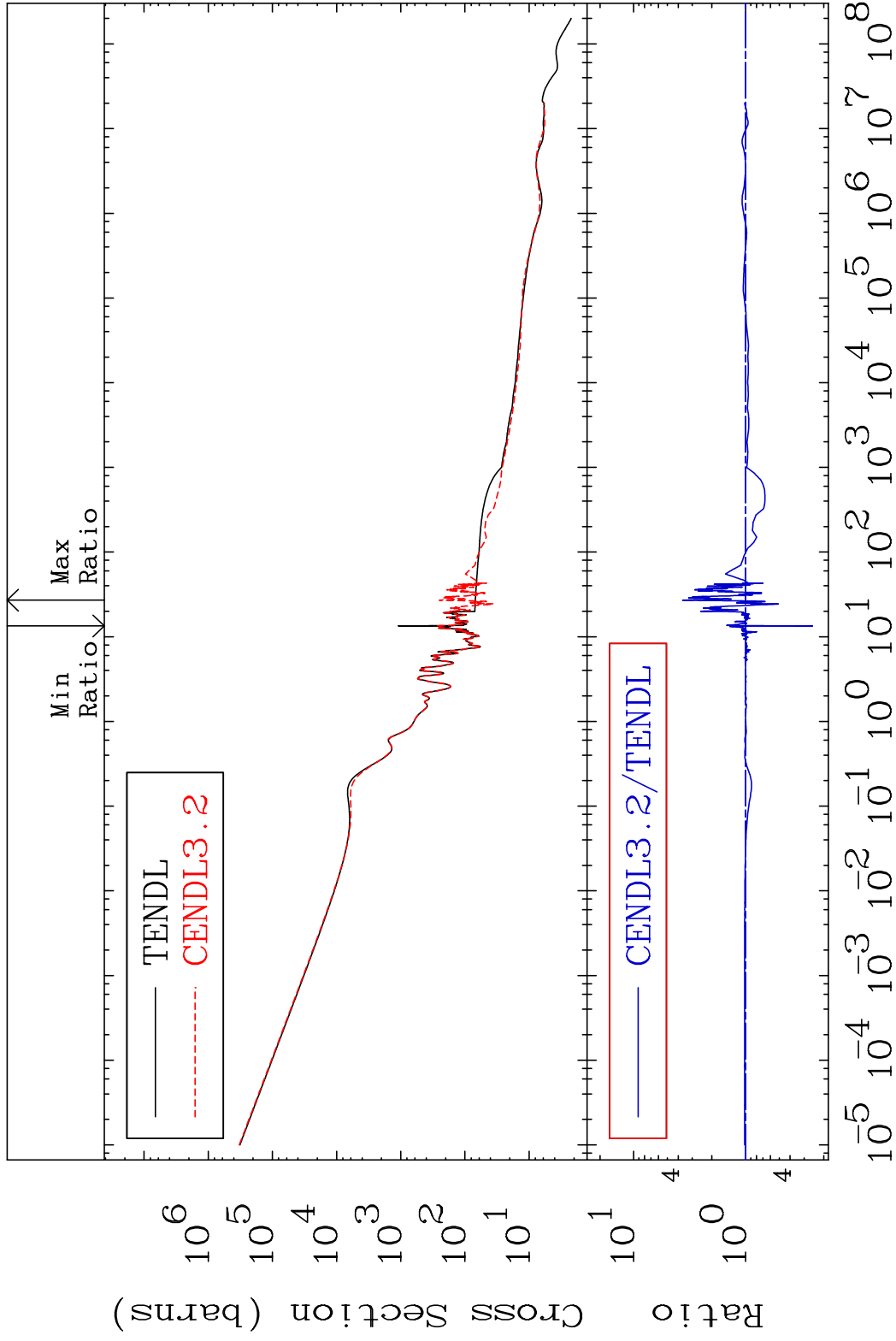
Press Mouse Button to Start

MAT 9547

Total

95-Am-242m

Cross Section -74.78 To 267.2 %



1

Incident Energy (eV)

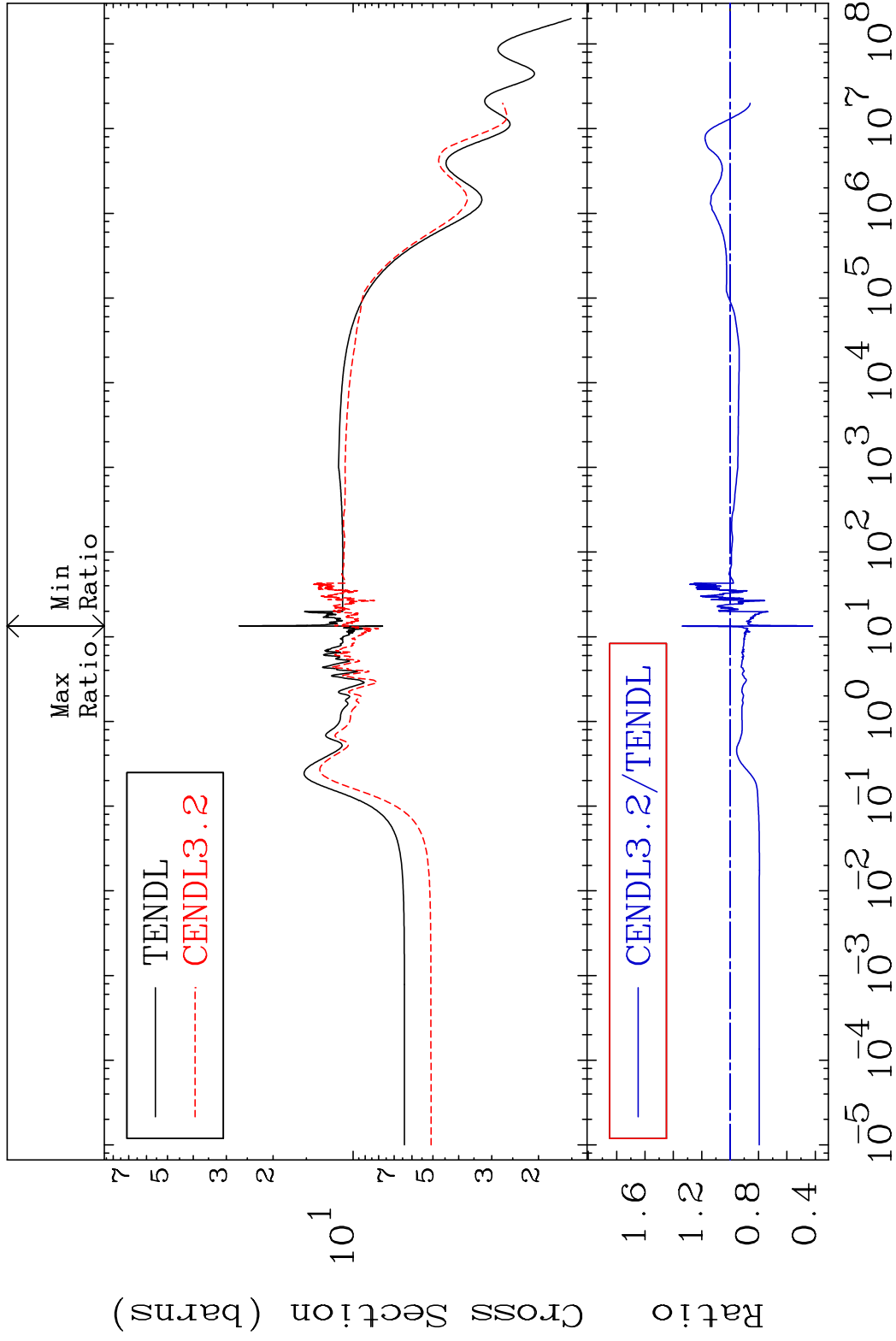
95-Am-242m

MAT 9547

Elastic

95-Am-242m

Cross Section -58.11 To 33.66 %



2

Incident Energy (eV)

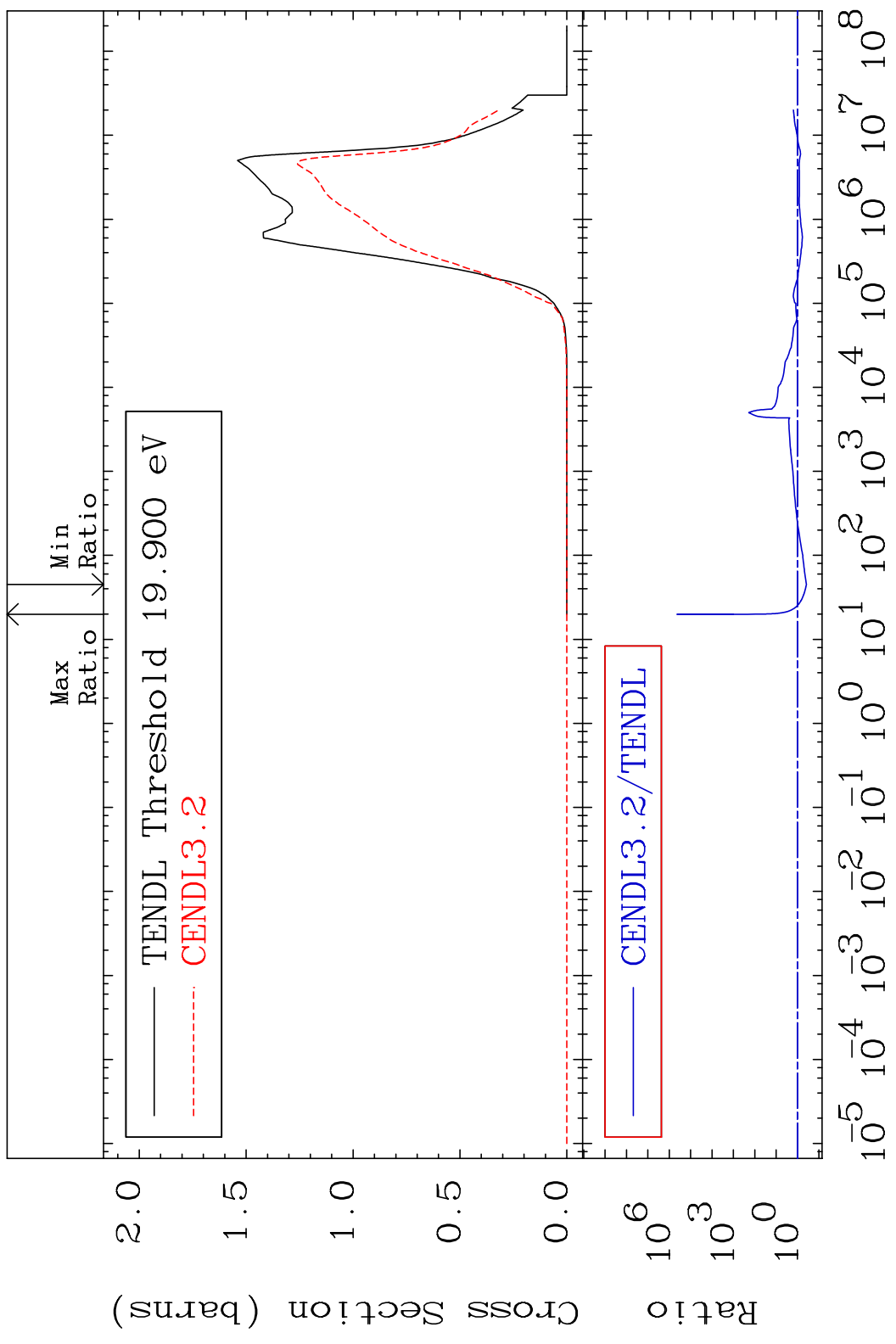
95-Am-242m

MAT 9547

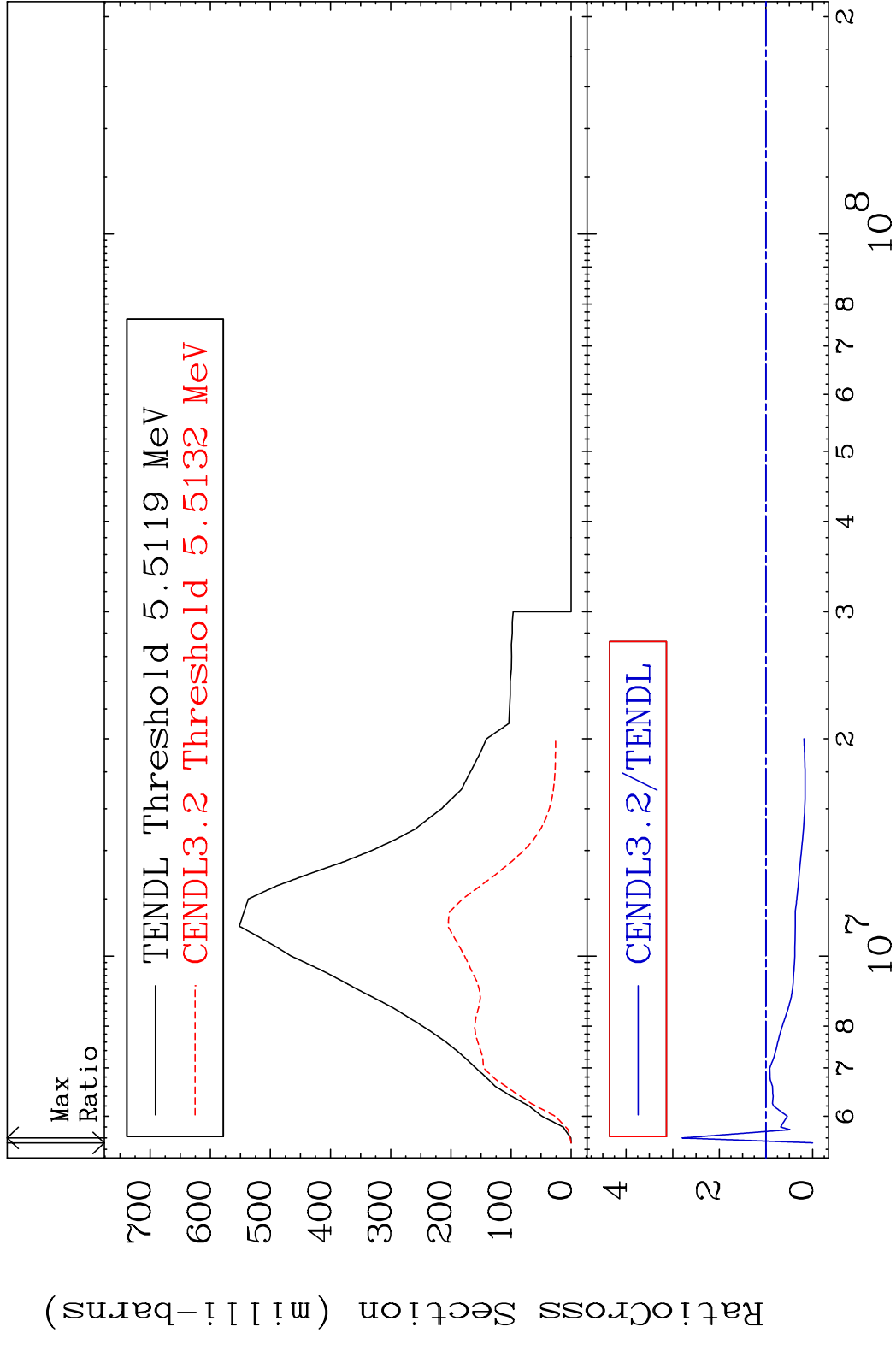
Inelastic

95-Am-242m

Cross Section -61.65 To 9999. %



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



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

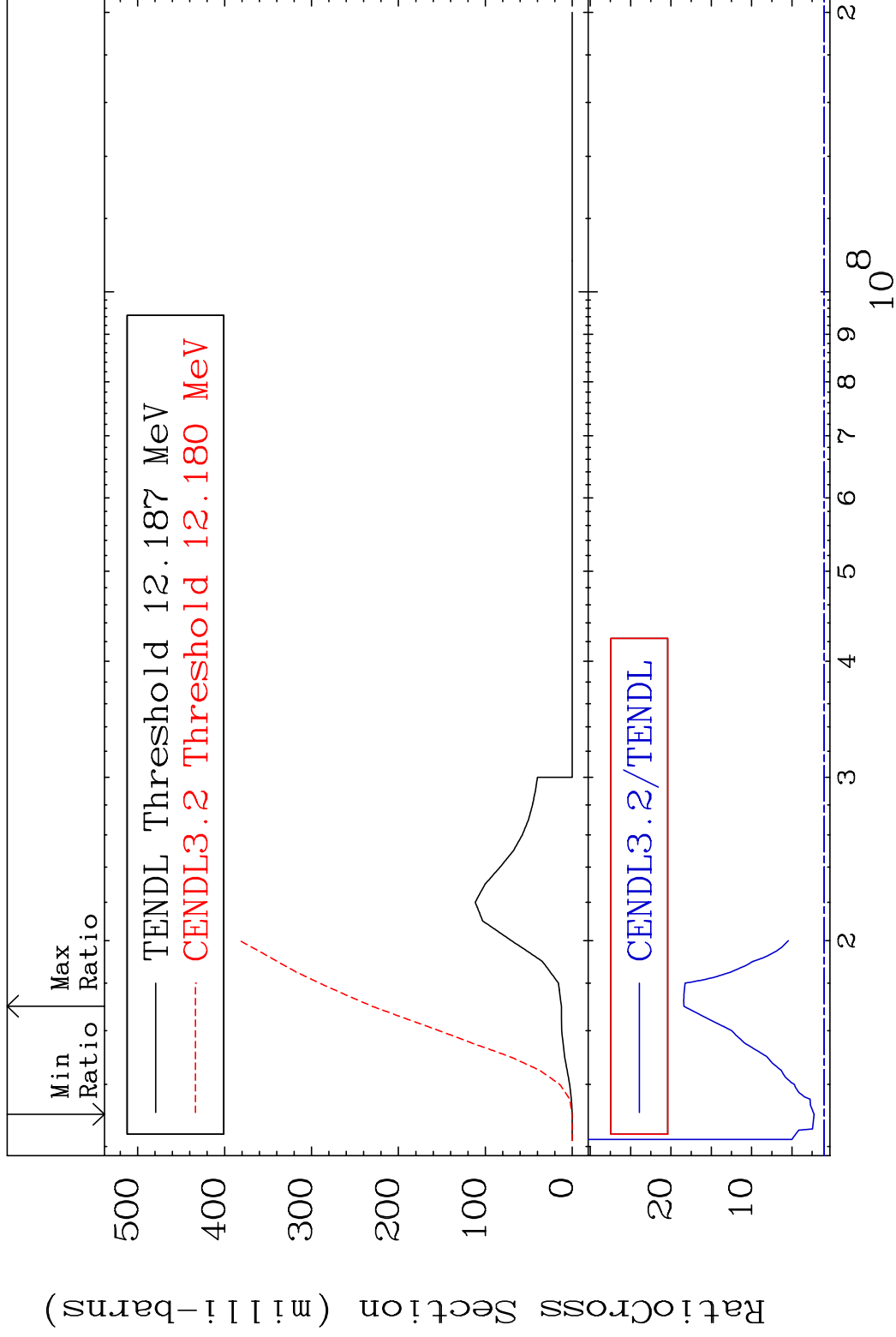
MAT 9547

(n,3n)

95-Am-242m

Cross Section 126.0

To 1743. %



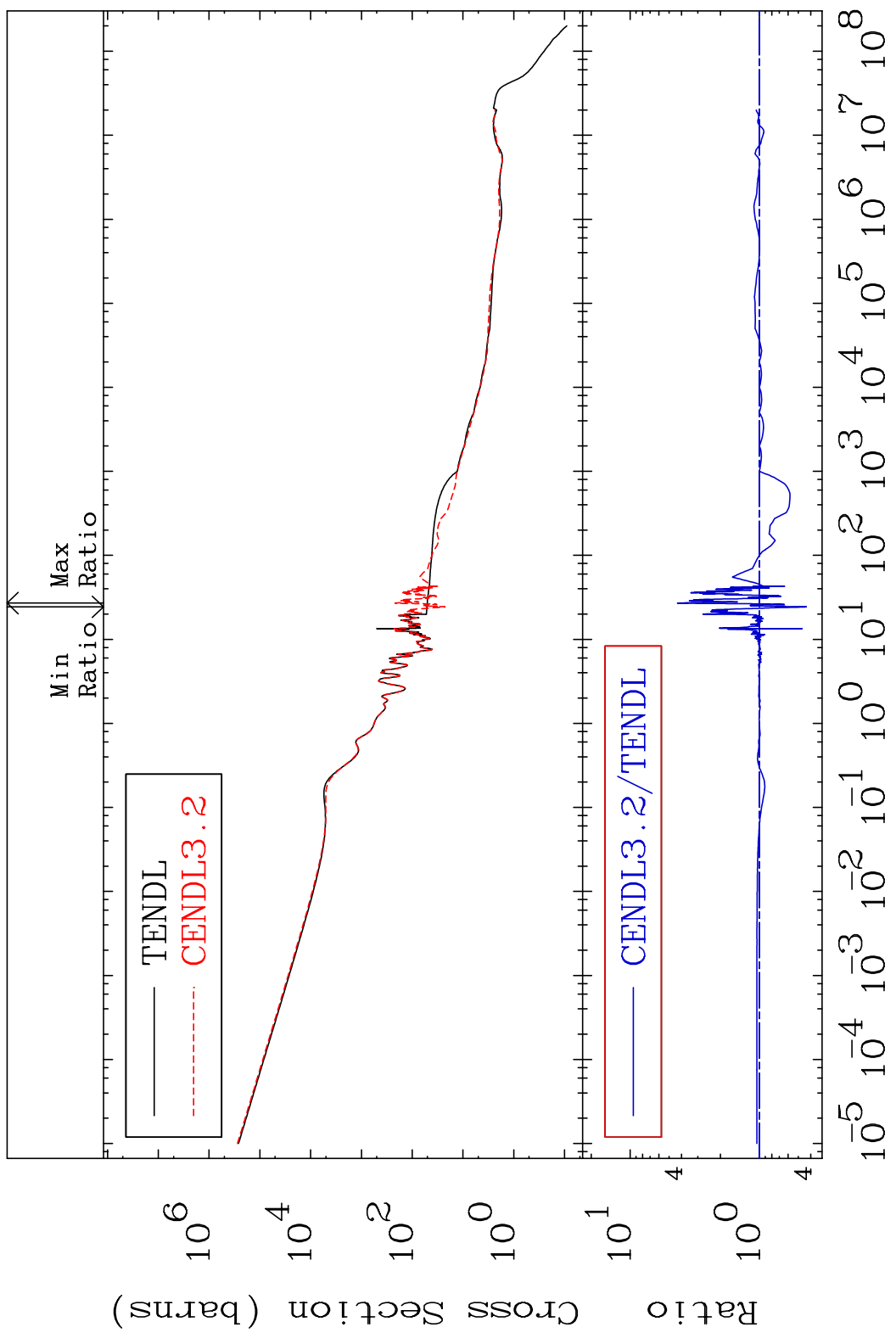
5

Incident Energy (eV)

95-Am-242m

MAT 9547

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

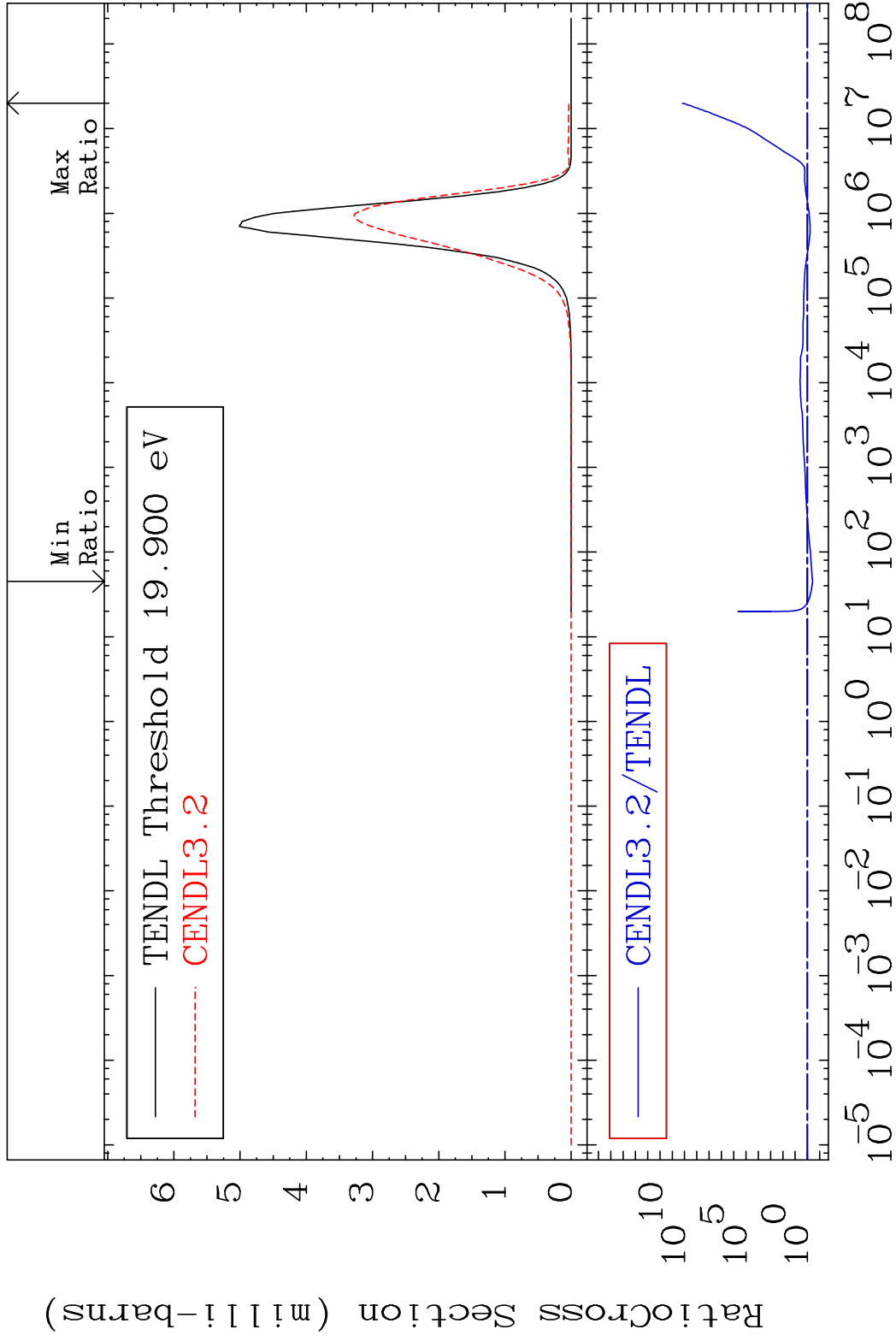


MAT 9547

MT= 51 (n, n') Level

95-Am-242m

Cross Section -61.67 To 9999. %



7

Incident Energy (eV)

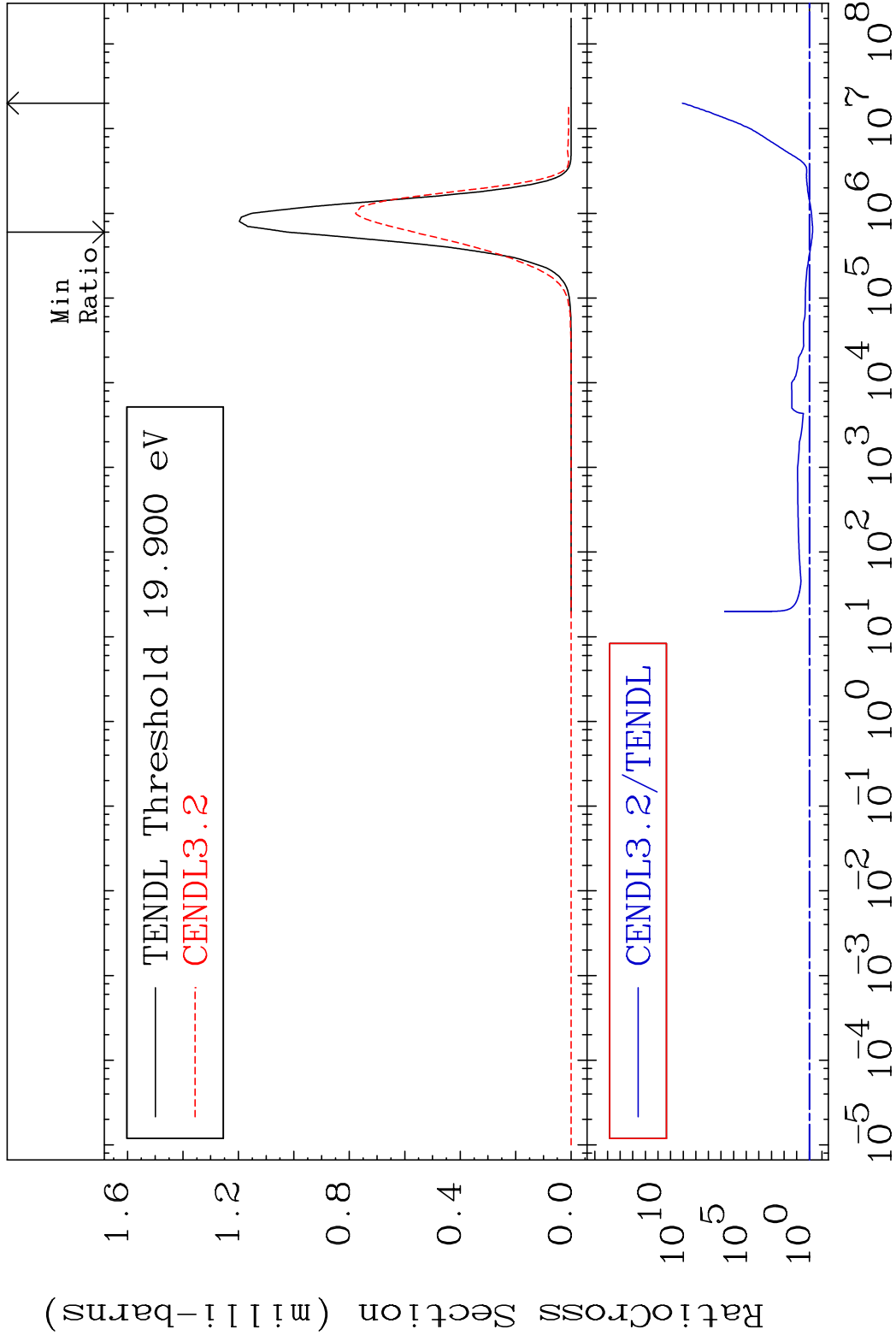
95-Am-242m

MAT 9547

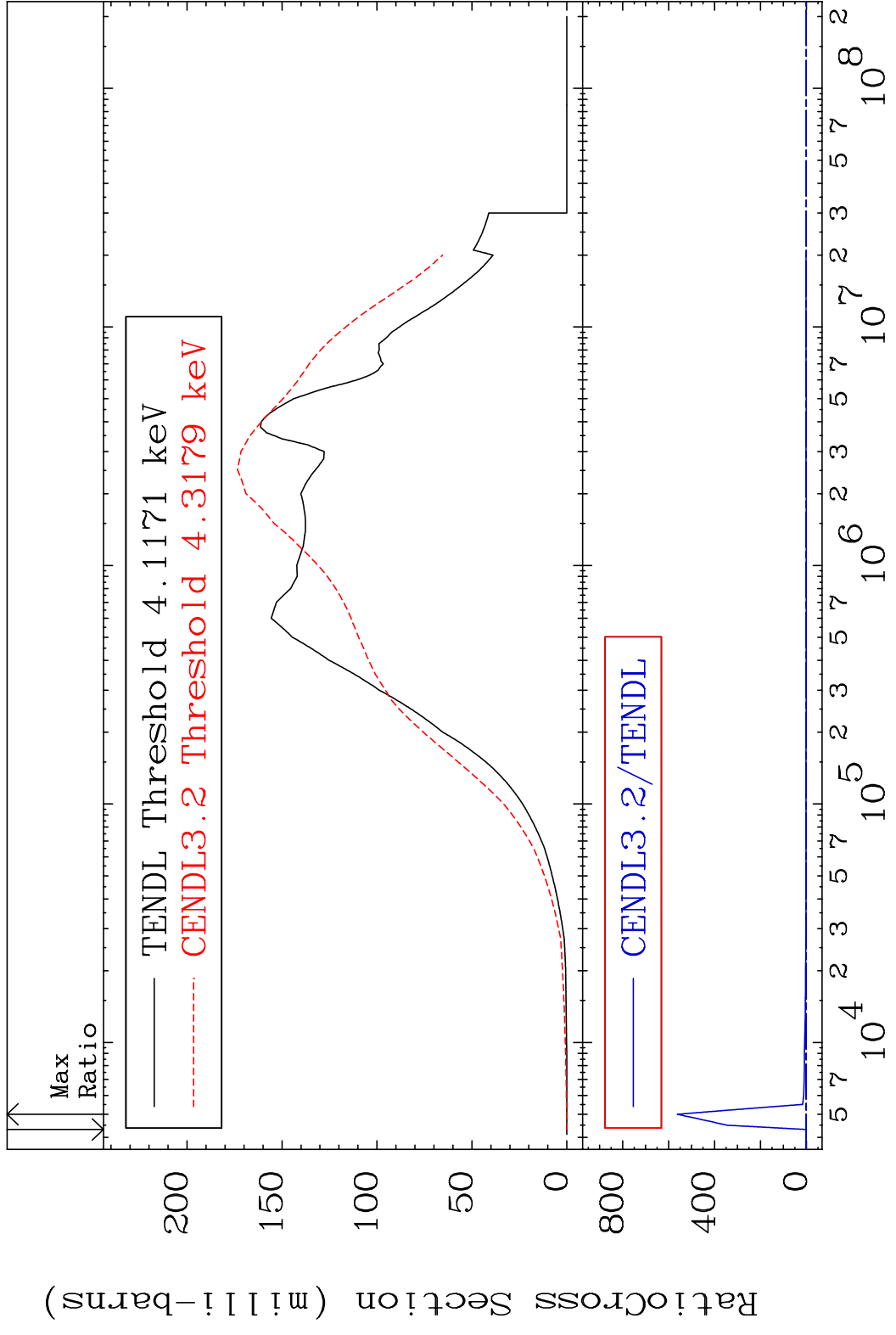
MT= 52 (n, n') Level

95-Am-242m

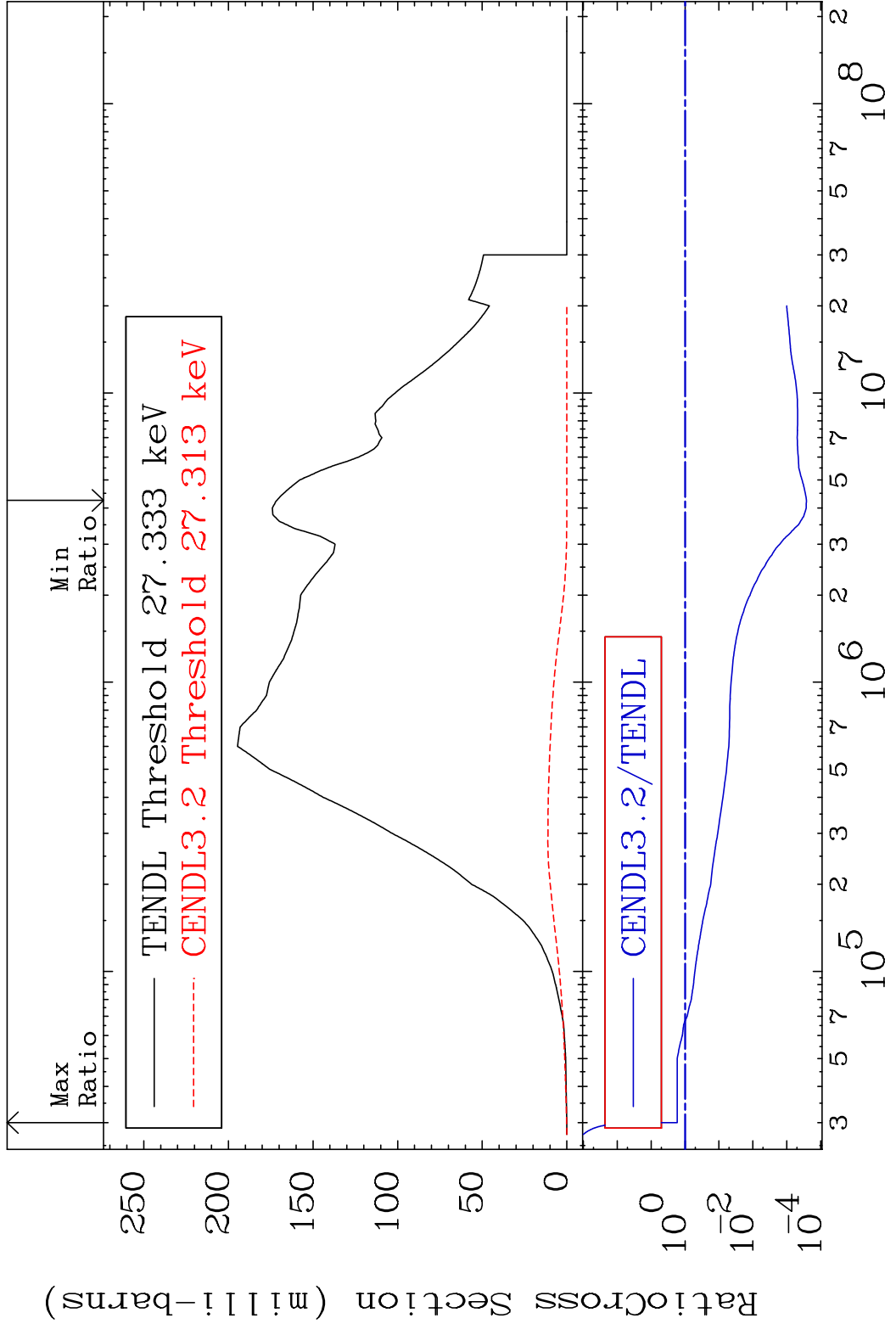
Cross Section -44.79 To 9999. %



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

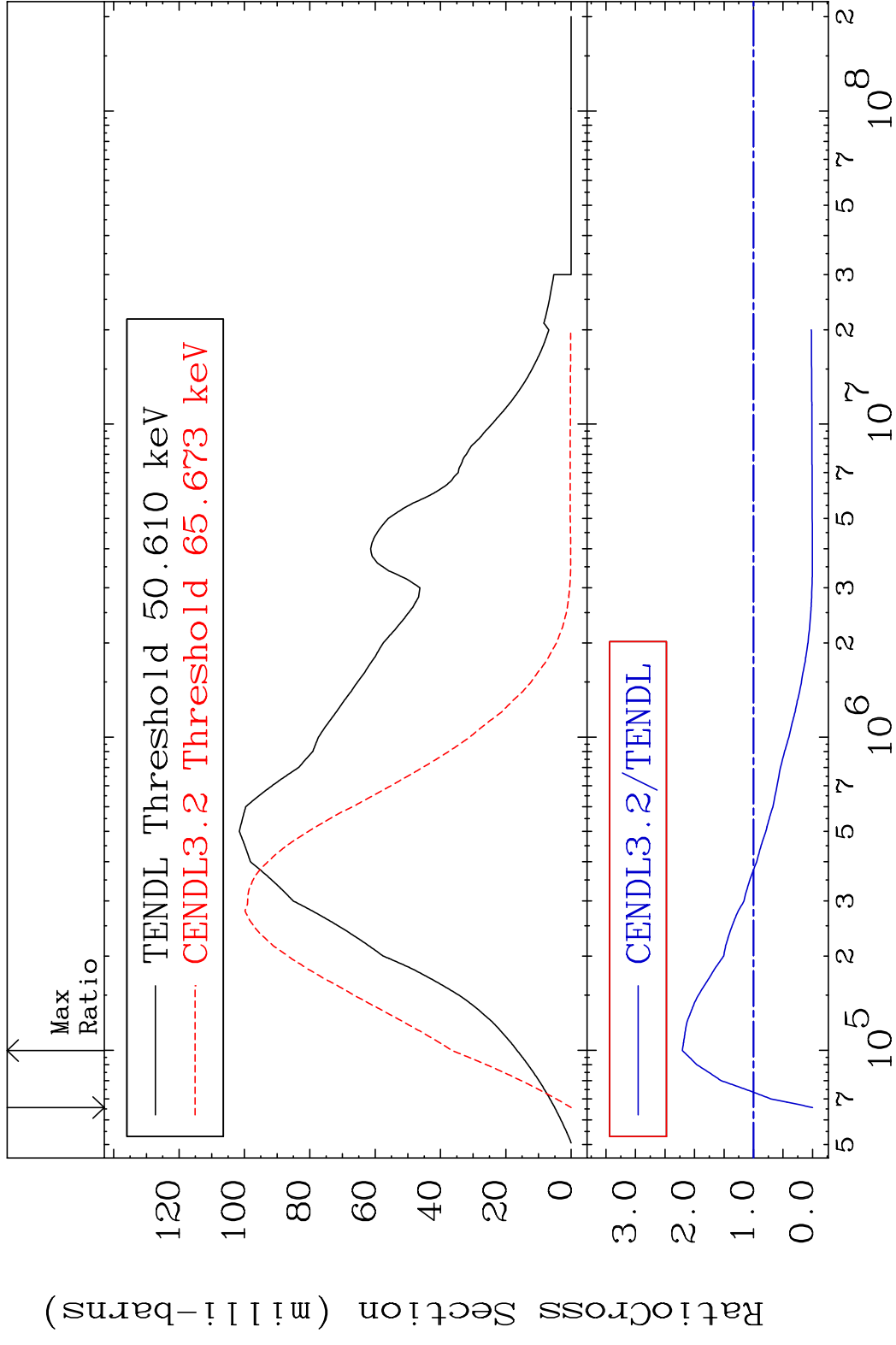


MAT 9547 MT= 54 (n, n') Level 95-Am-242m
 Cross Section -99.97 To 70.40 %

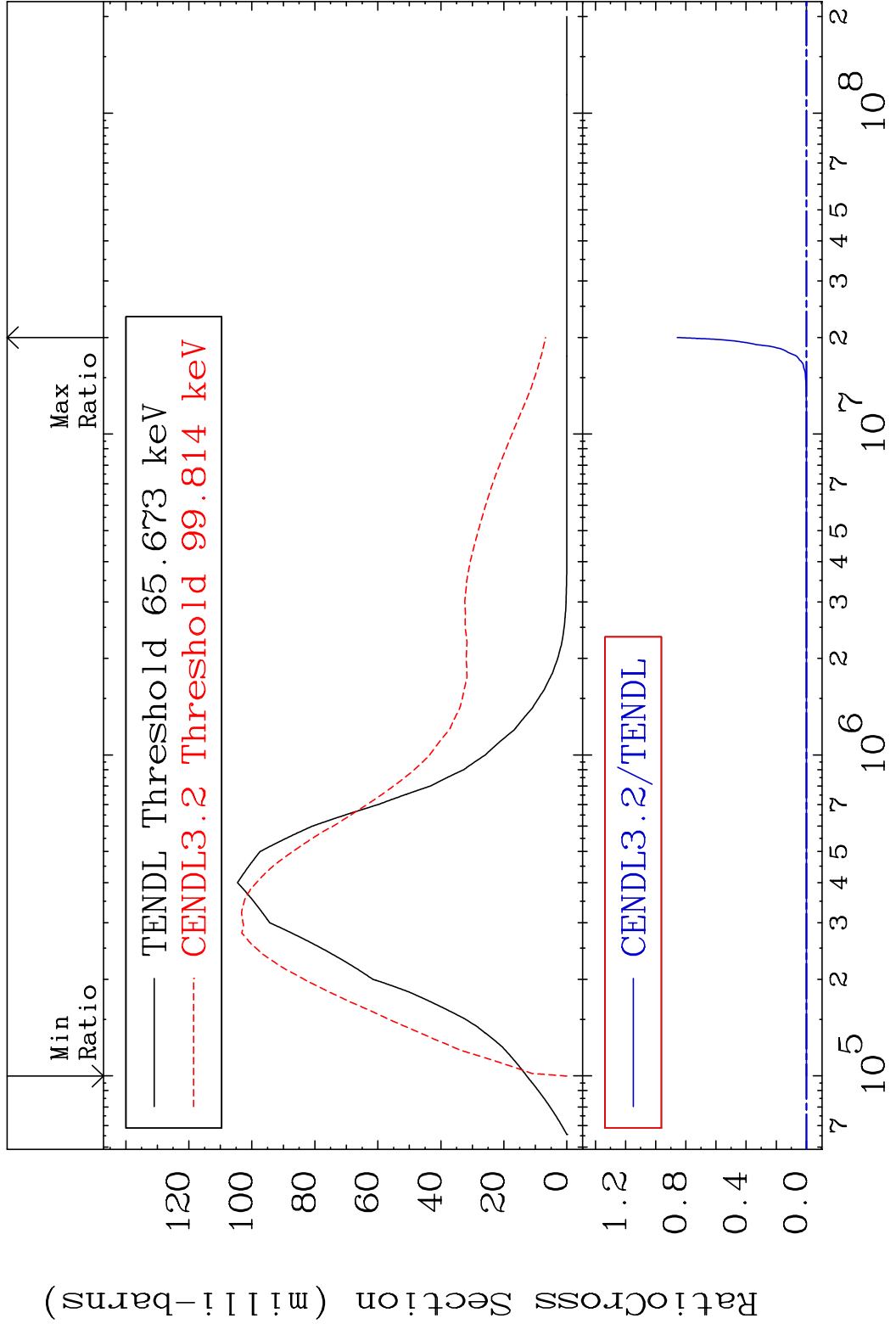


10 Incident Energy (eV) 95-Am-242m

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

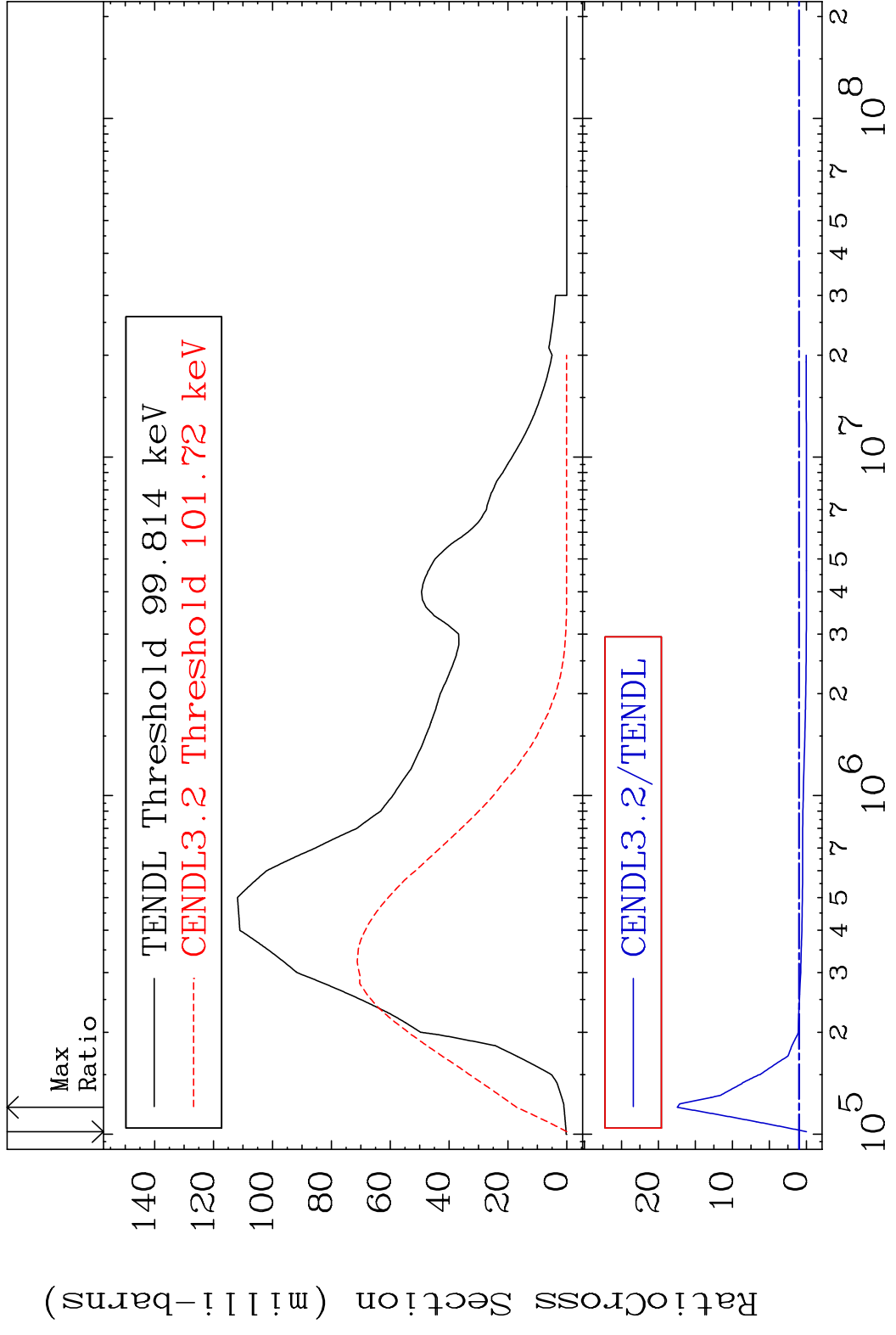


MAT 9547 MT= 56 (n,n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



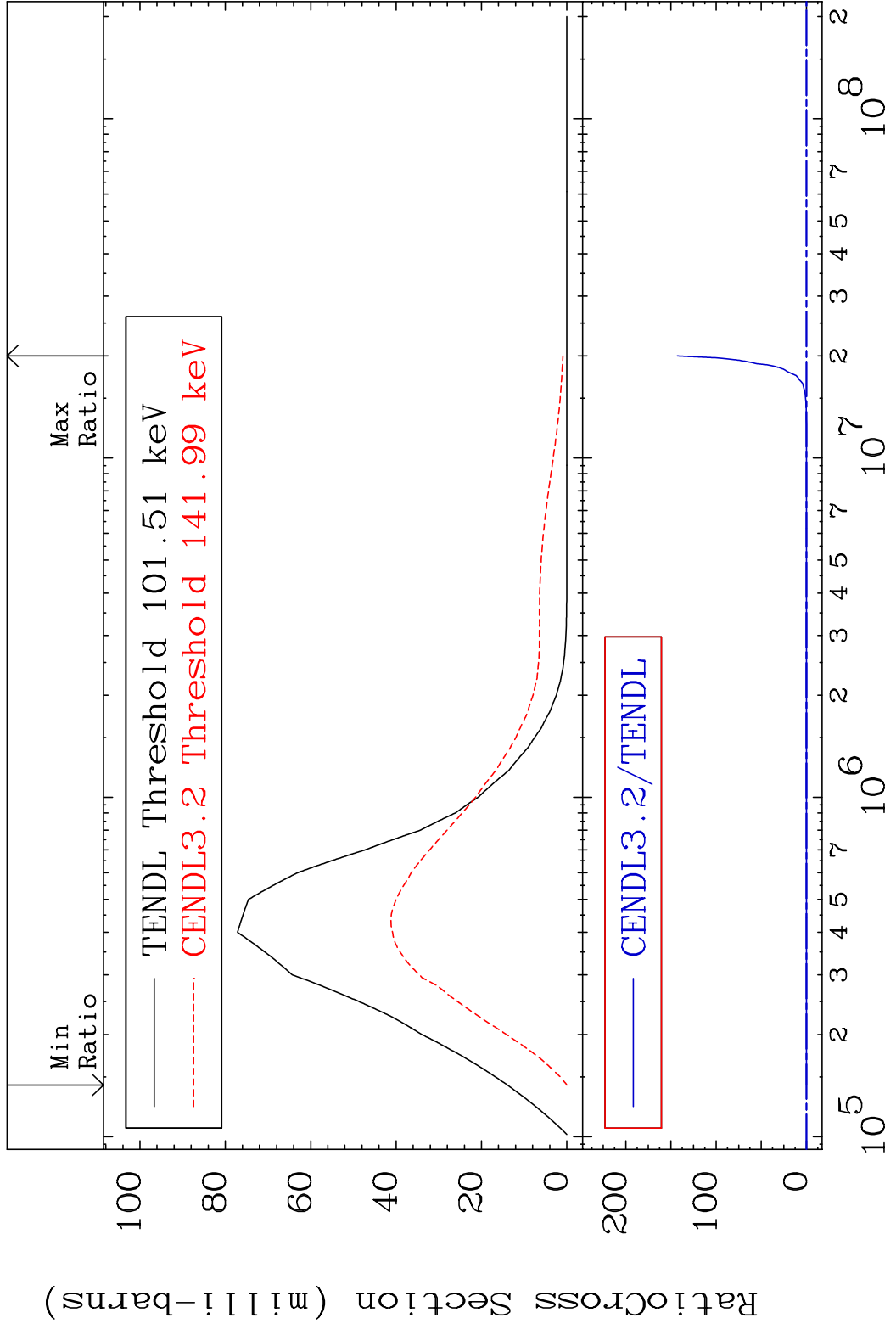
12 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 57 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 1647. %



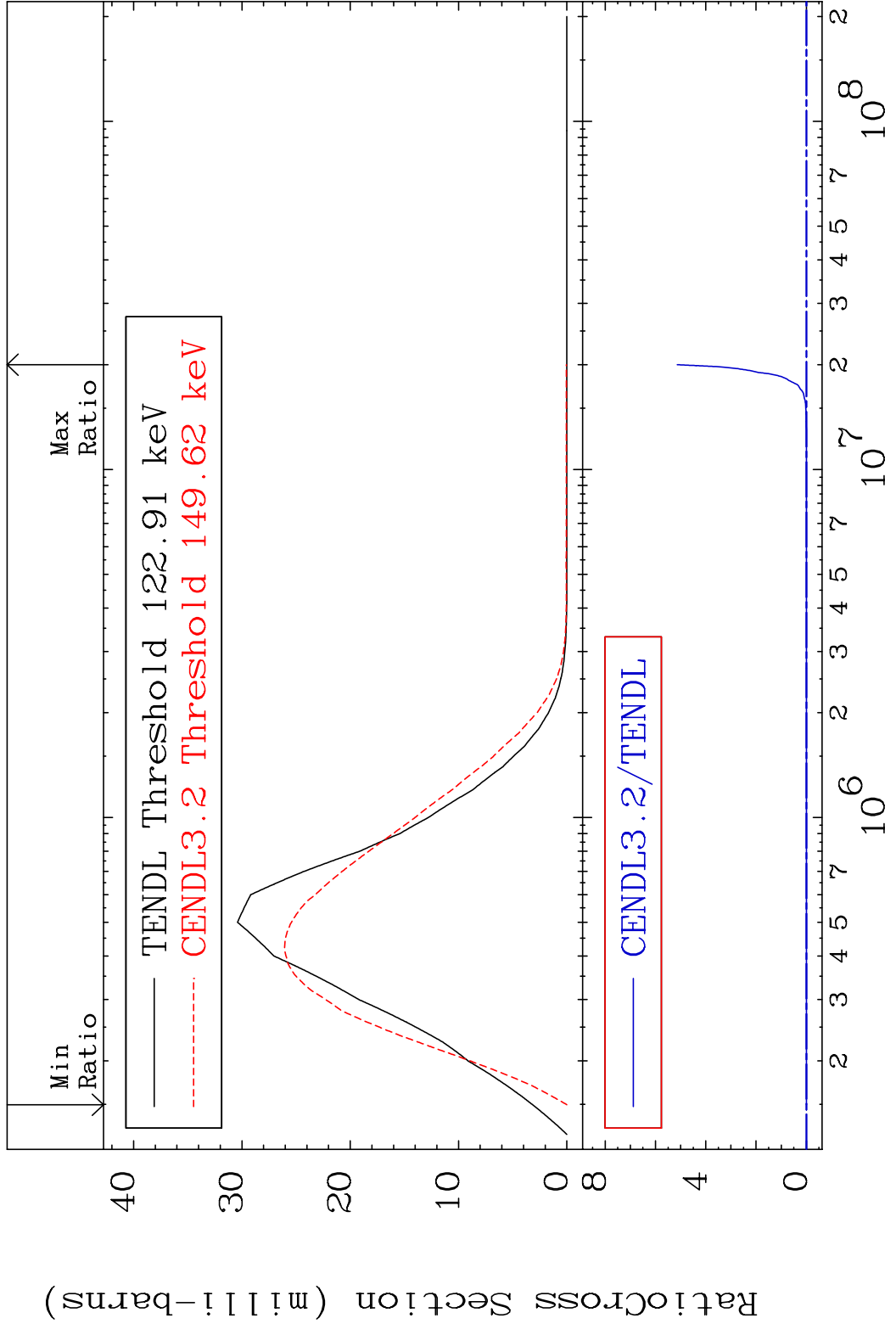
13 Incident Energy (eV) 95-Am-242m

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

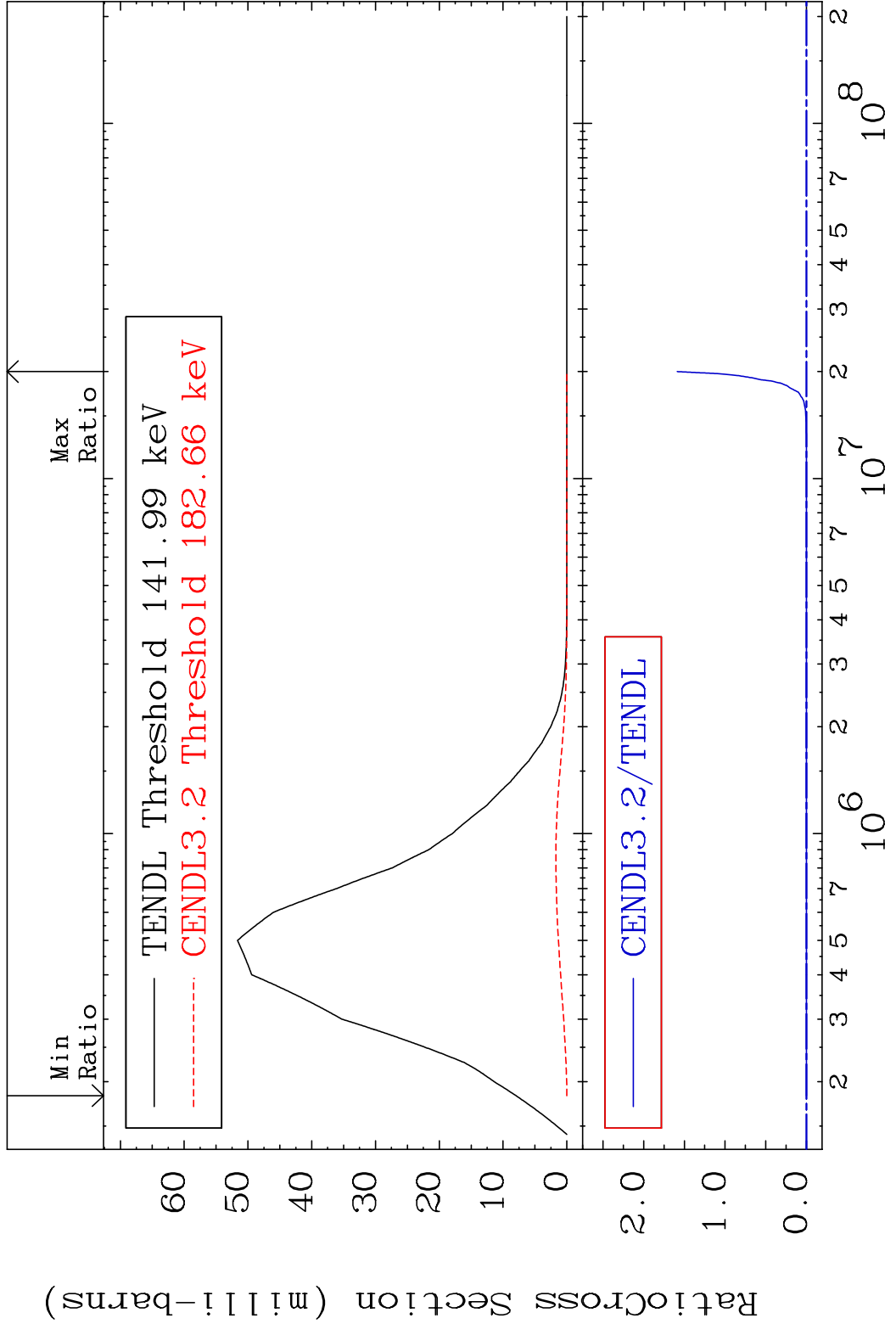


14 Incident Energy (eV) 95-Am-242m

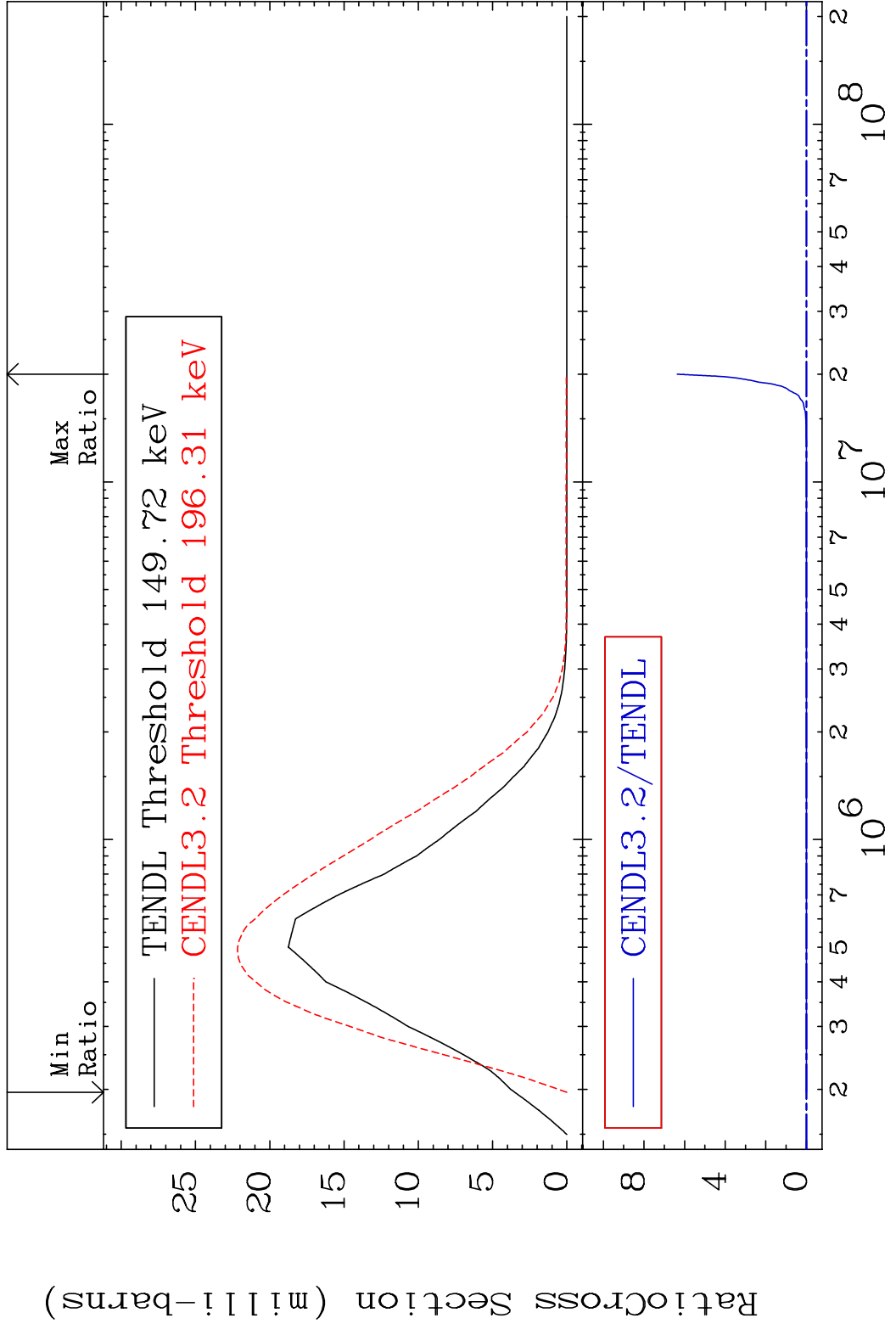
MAT 9547 MT= 59 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



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

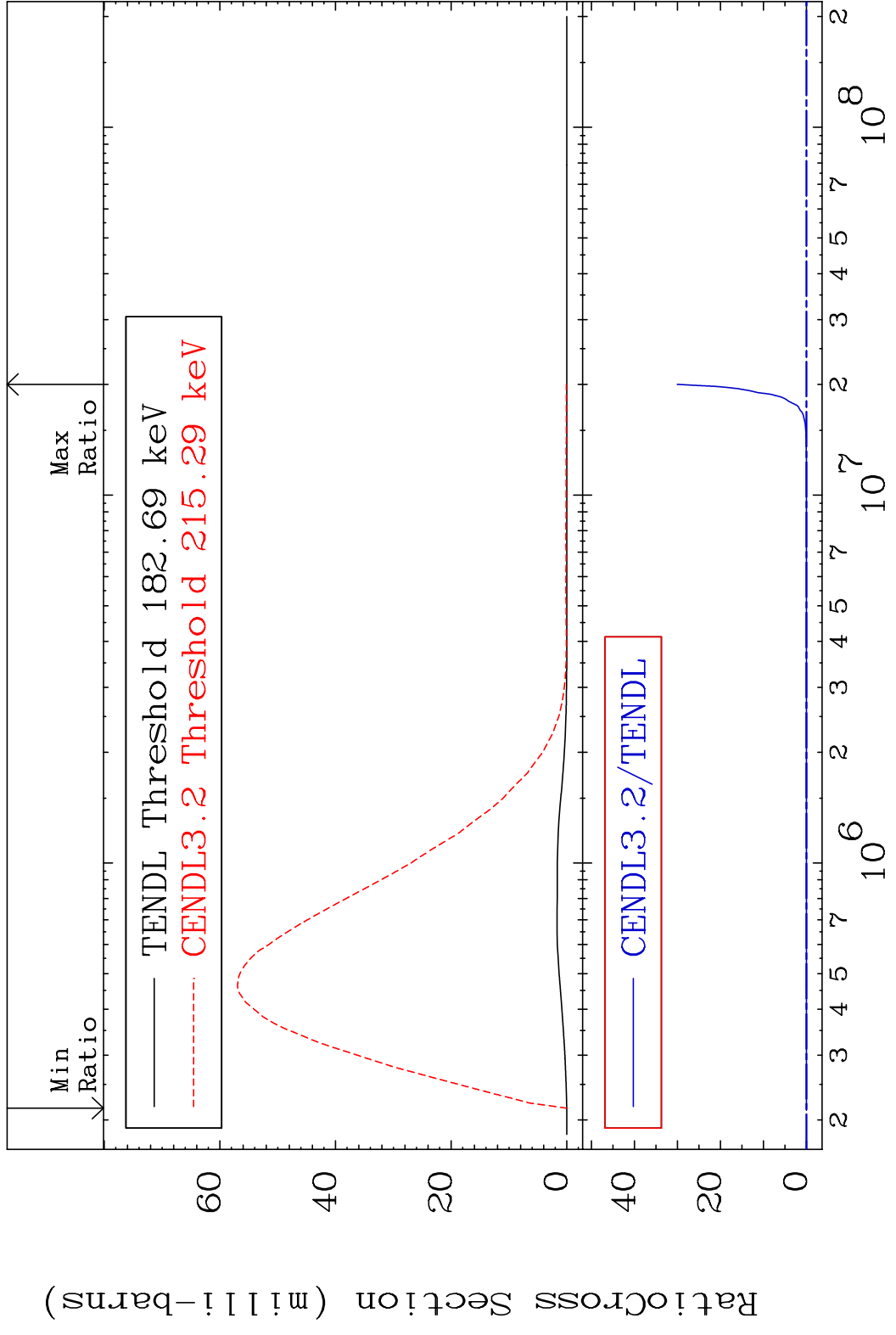


MAT 9547 MT= 61 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

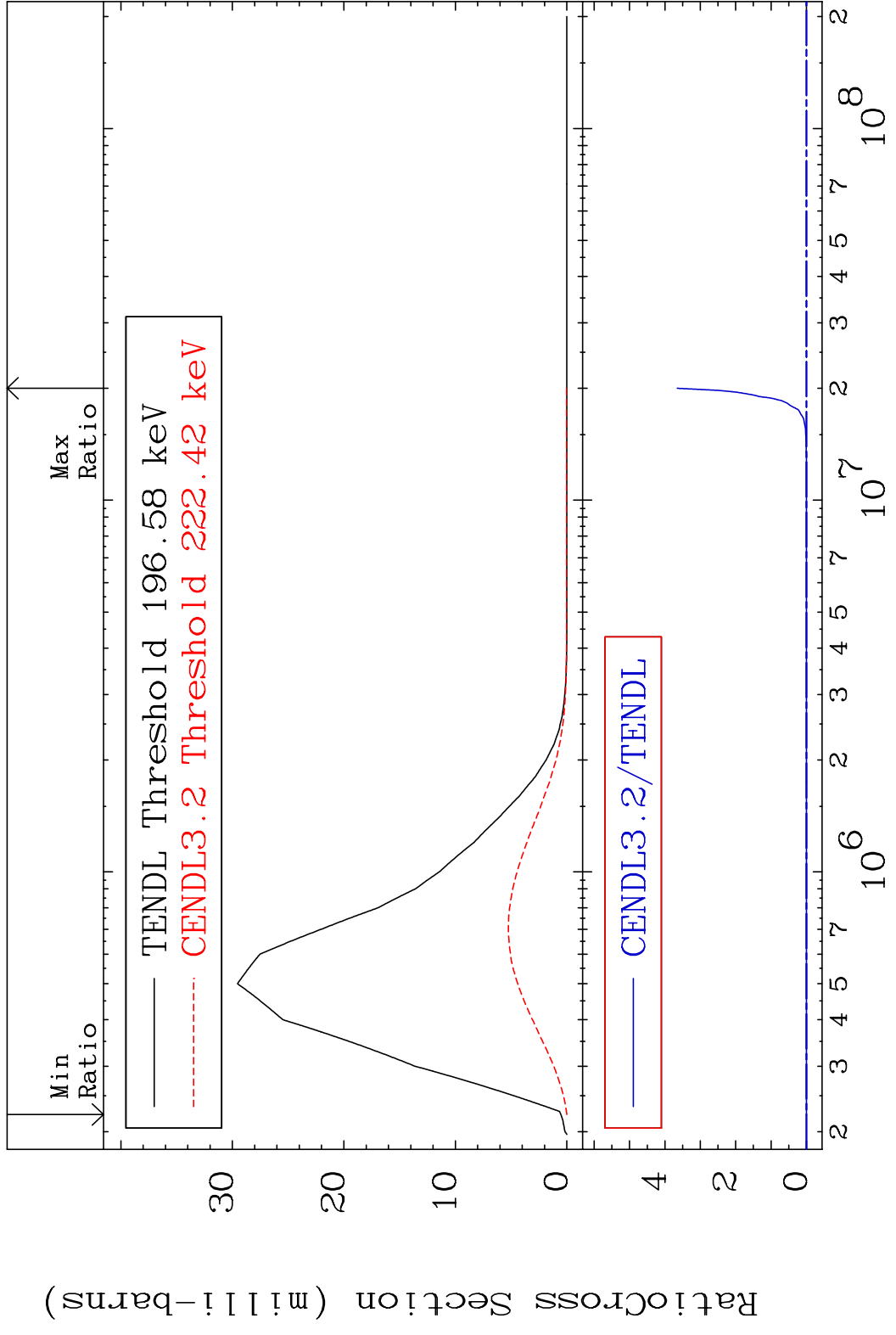


17 Incident Energy (eV) 95-Am-242m

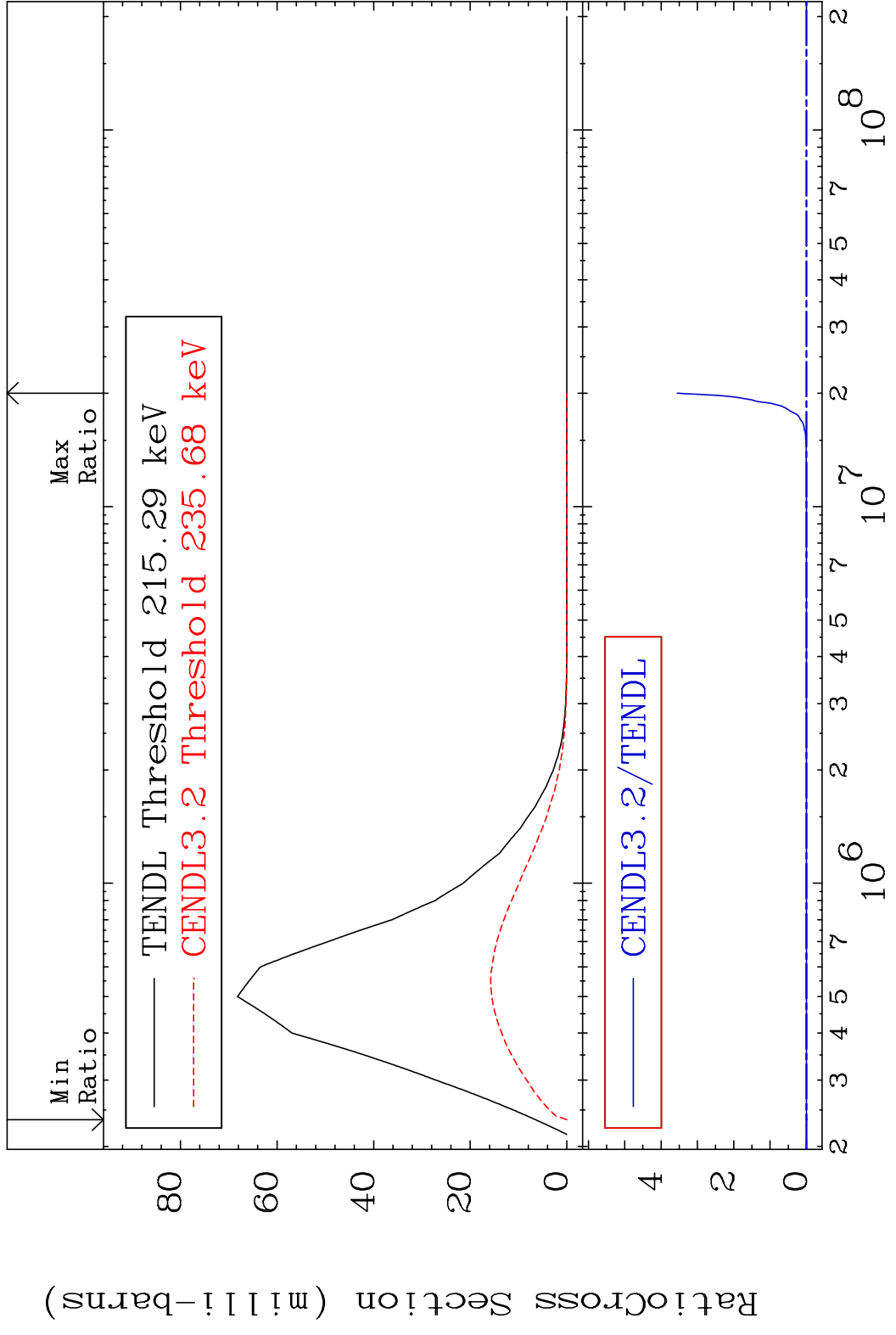
MAT 9547 MT= 62 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %



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

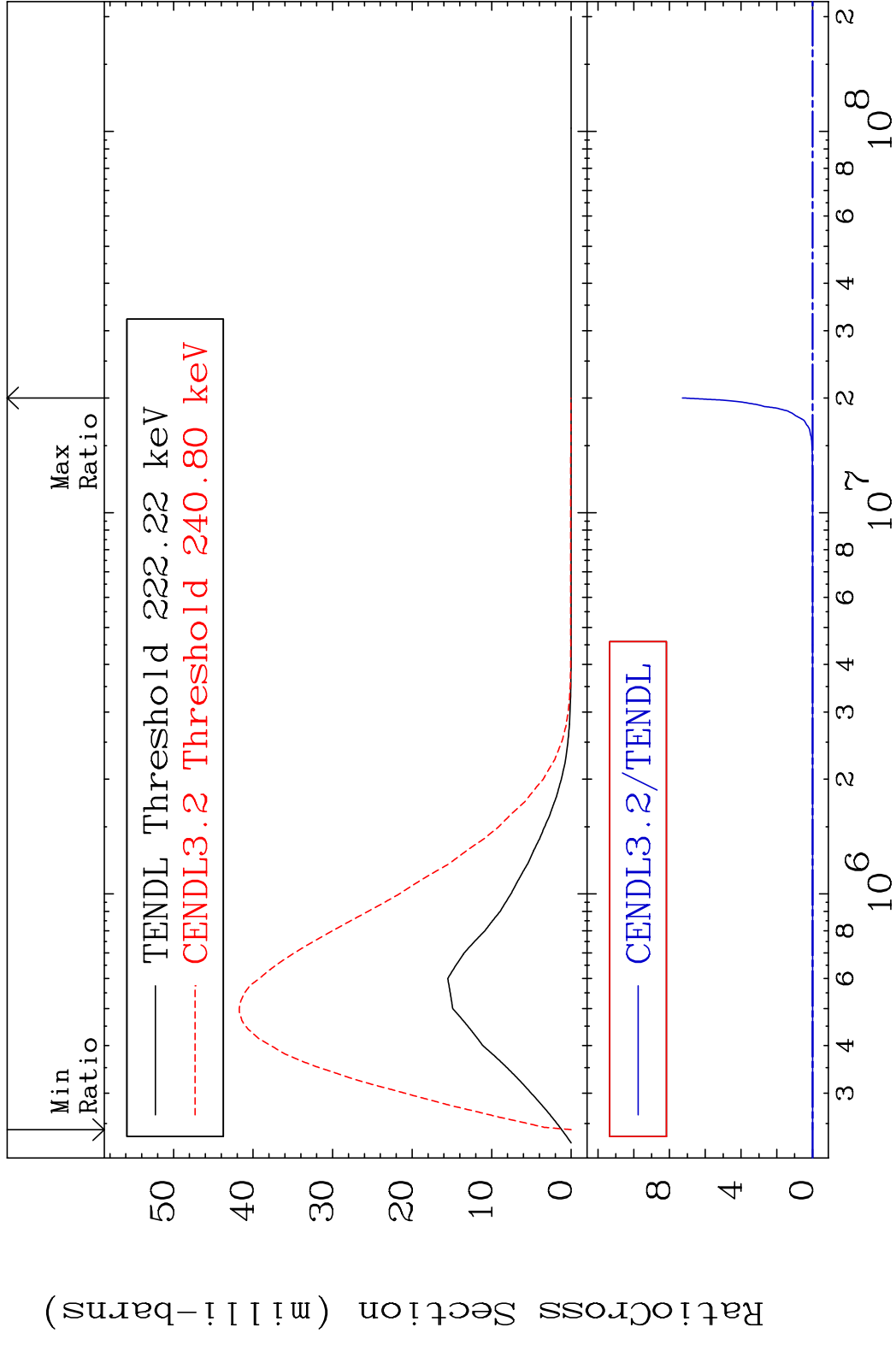


MAT 9547 MT= 64 (n, n') Level 95-Am-242m
 Cross Section -100.0 To 9999. %

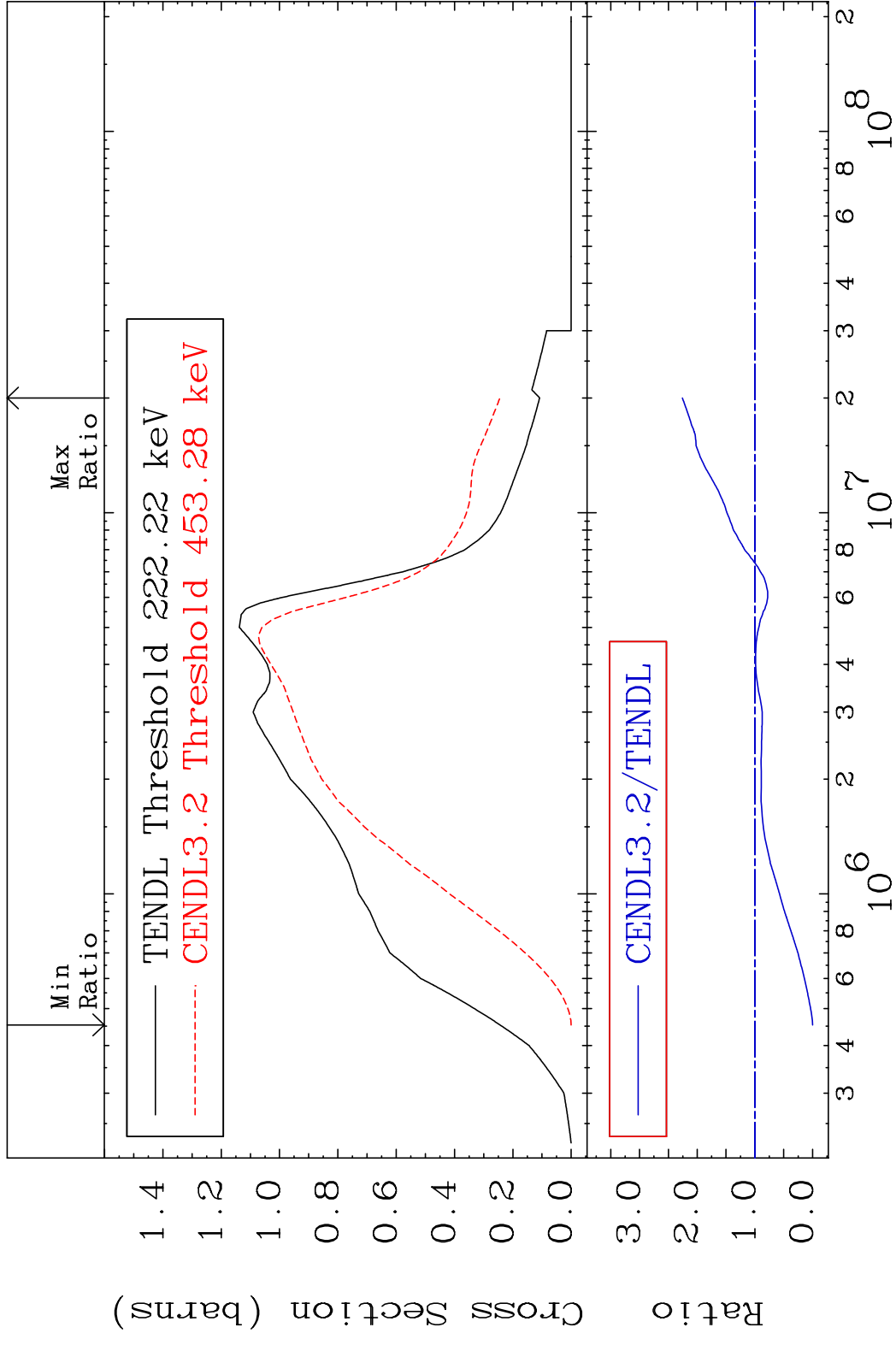


20 Incident Energy (eV) 95-Am-242m

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



MAT 9547 (n, n') Continuum 95-Am-242m
 Cross Section -100.0 To 125.8 %

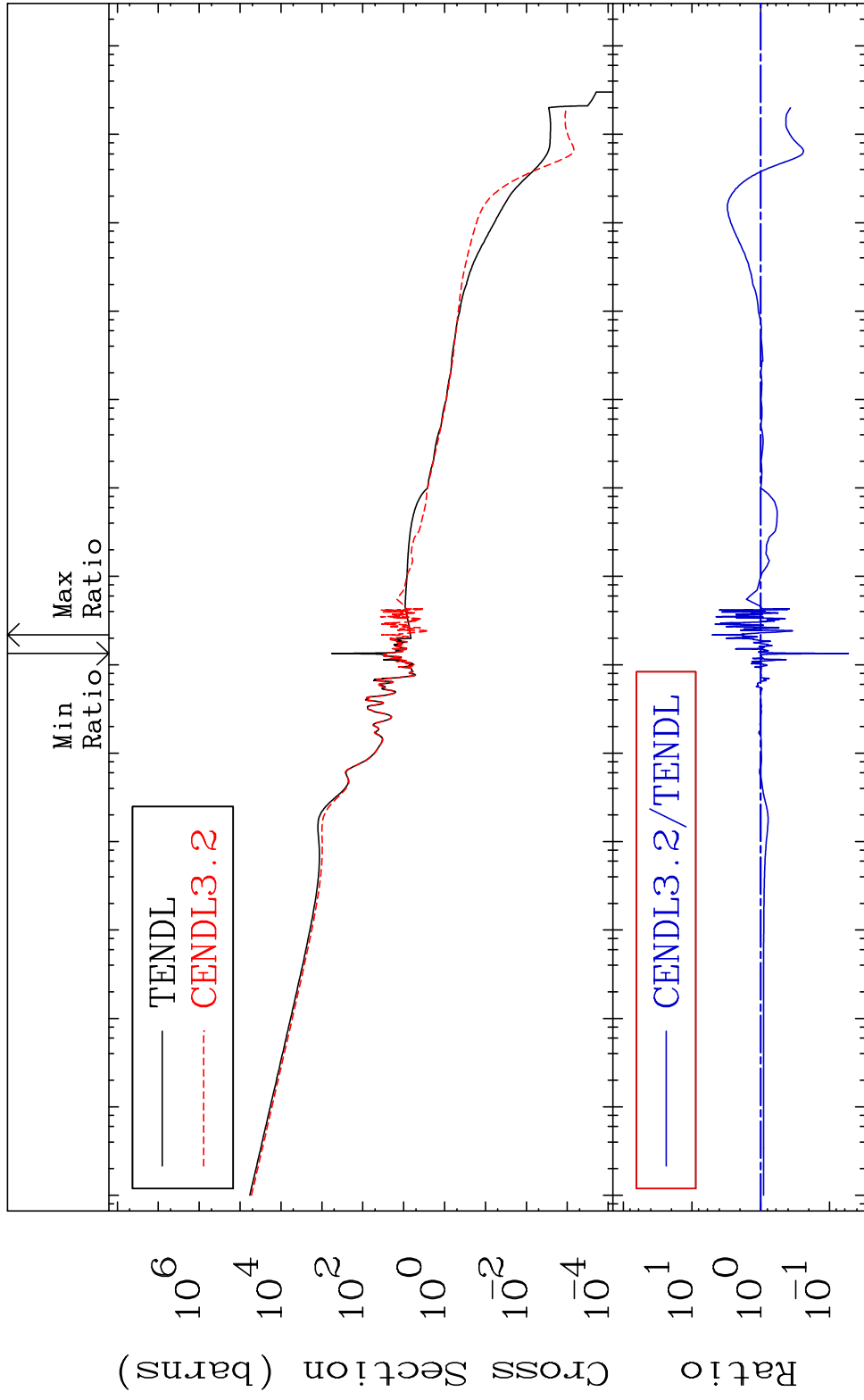


MAT 9547

(n, γ)

95-Am-242m

Cross Section -94.67 To 406.1 %



23

Incident Energy (eV)

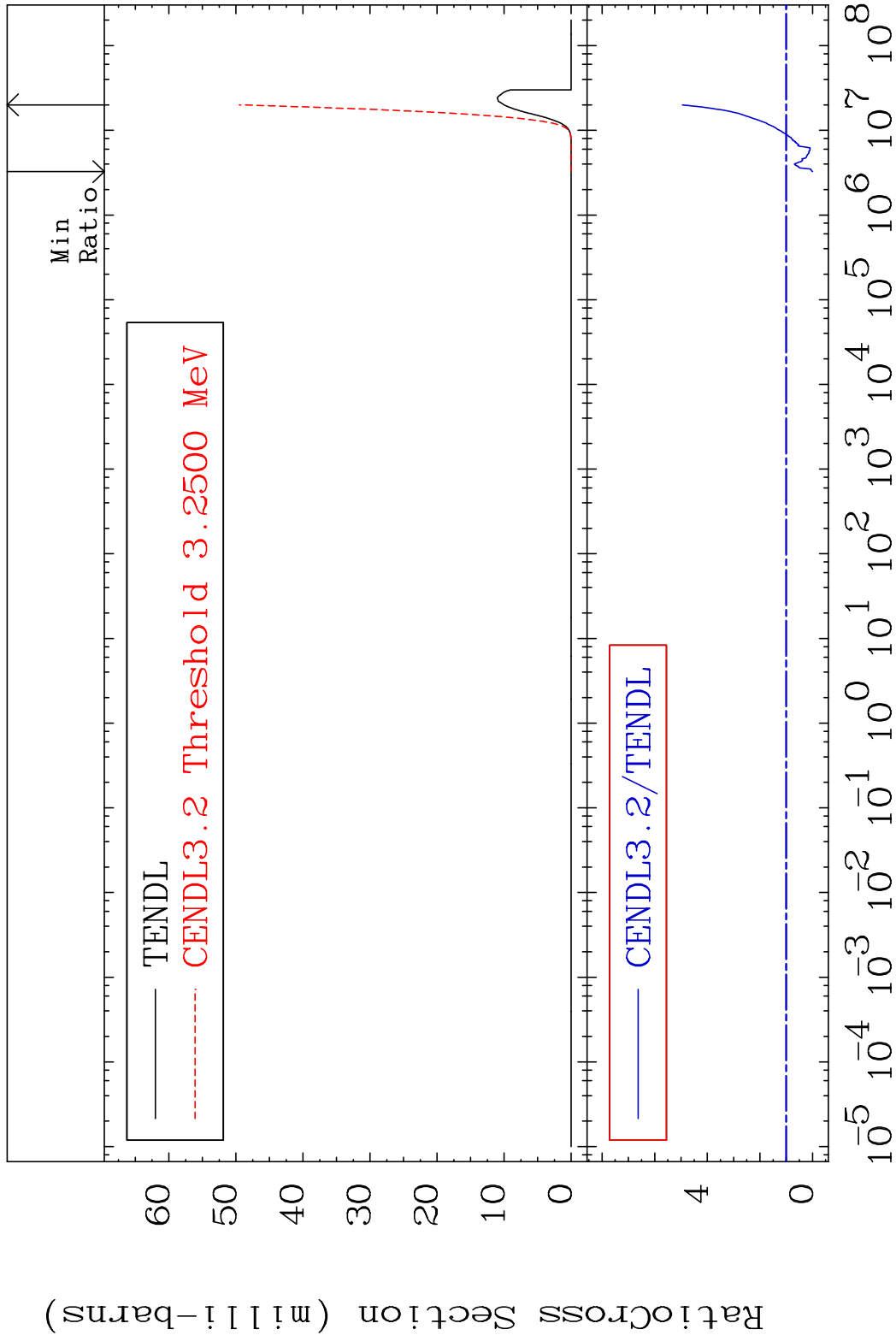
95-Am-242m

MAT 9547

(n, p)

95-Am-242m

Cross Section -100.0 To 394.8 %



24

Incident Energy (eV)

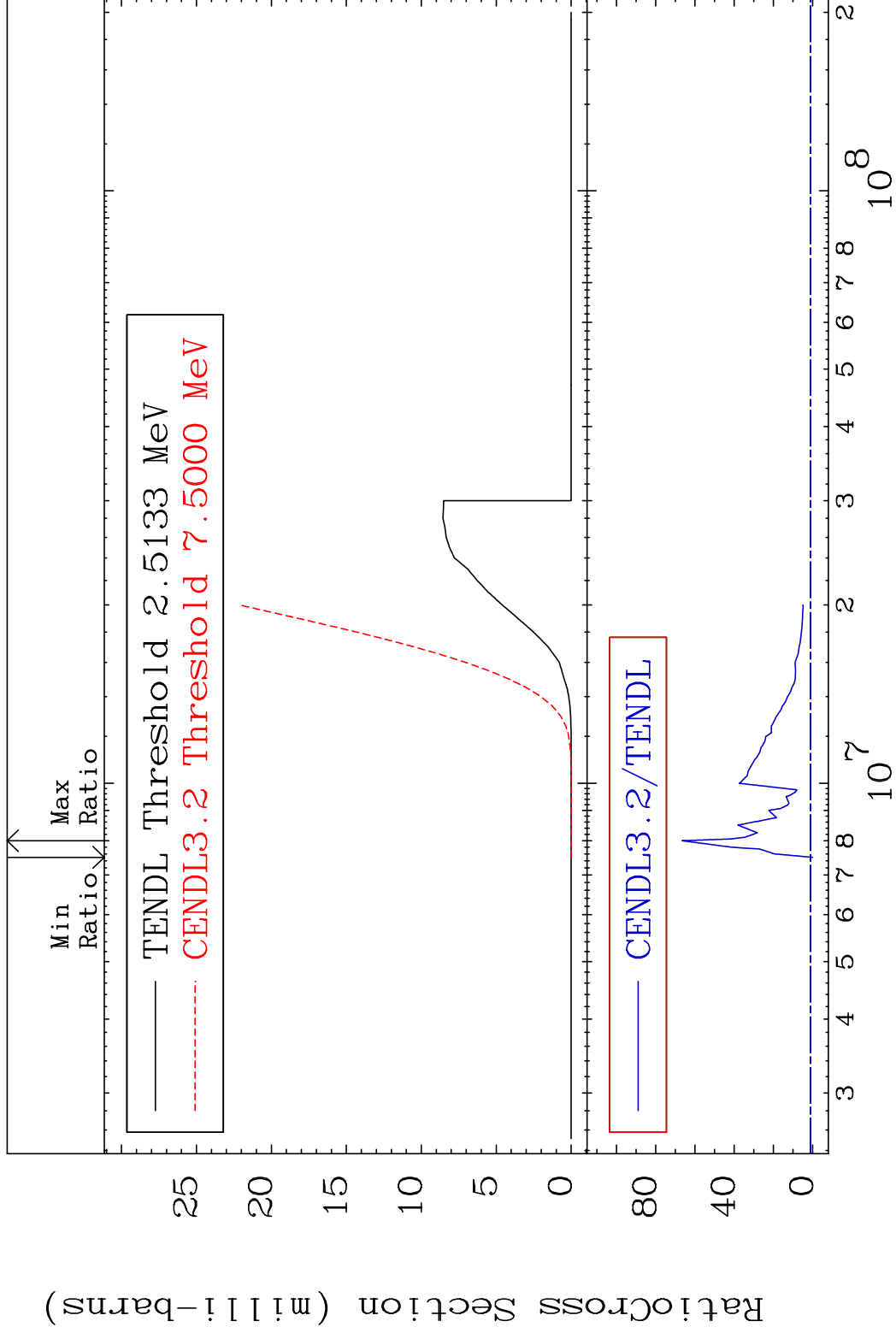
95-Am-242m

MAT 9547

(n, d)

95-Am-242m

Cross Section -100.0 To 6539. %



25

Incident Energy (eV)

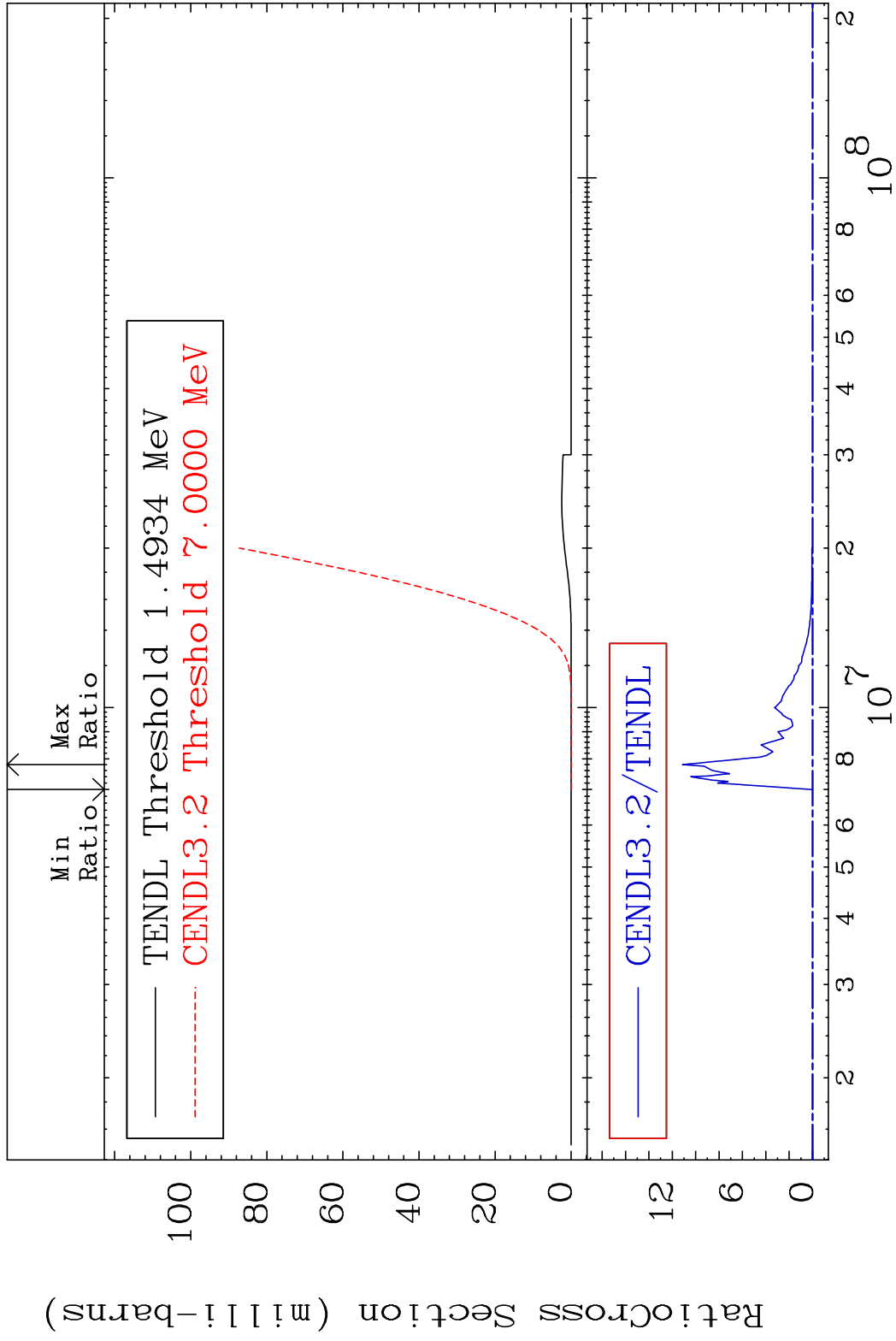
95-Am-242m

MAT 9547

(n, t)

95-Am-242m

Cross Section -100.0 To 9999. %



26

Incident Energy (eV)

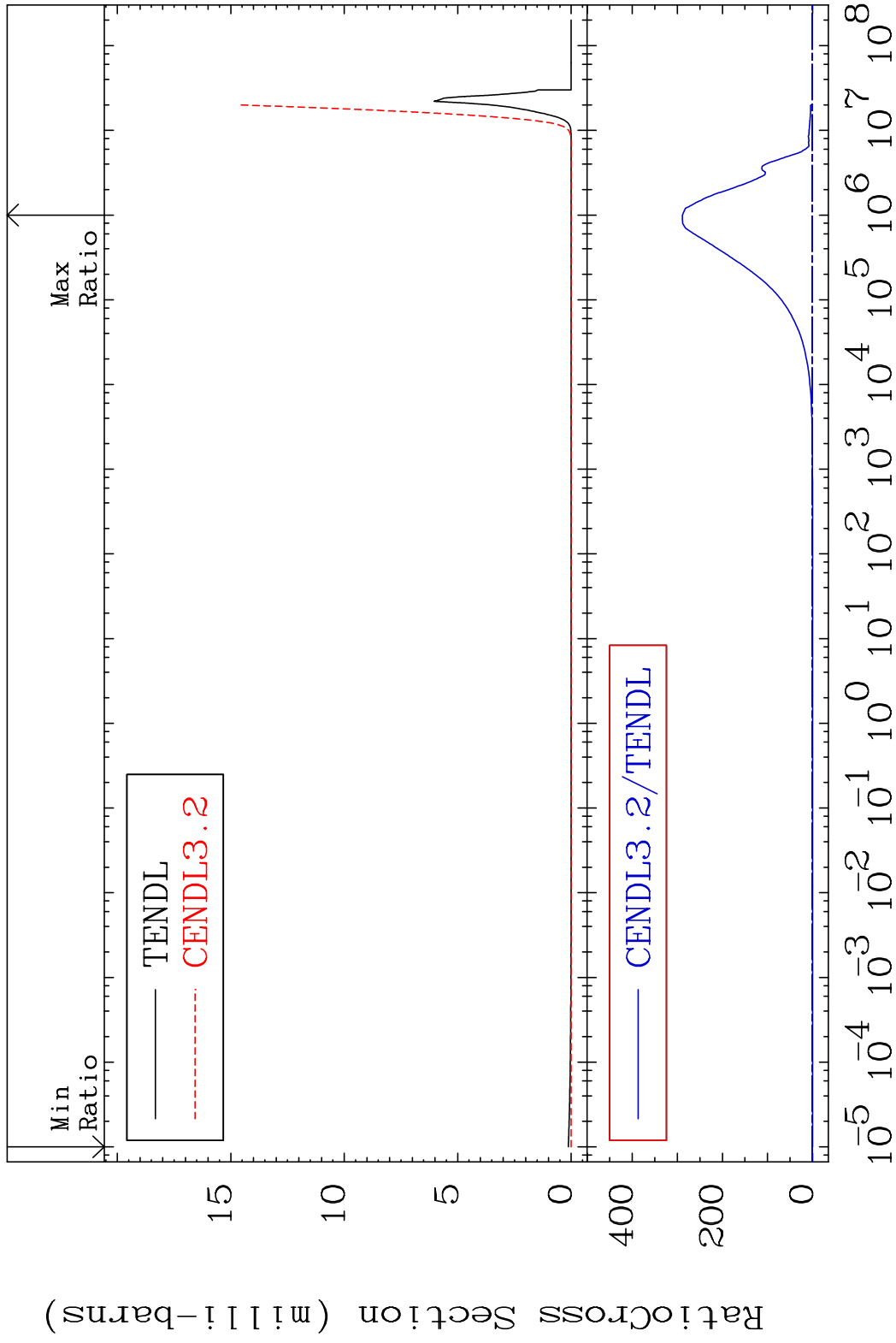
95-Am-242m

MAT 9547

(n, α)

95-Am-242m

Cross Section -100.0 To 9999. %



27

Incident Energy (eV)

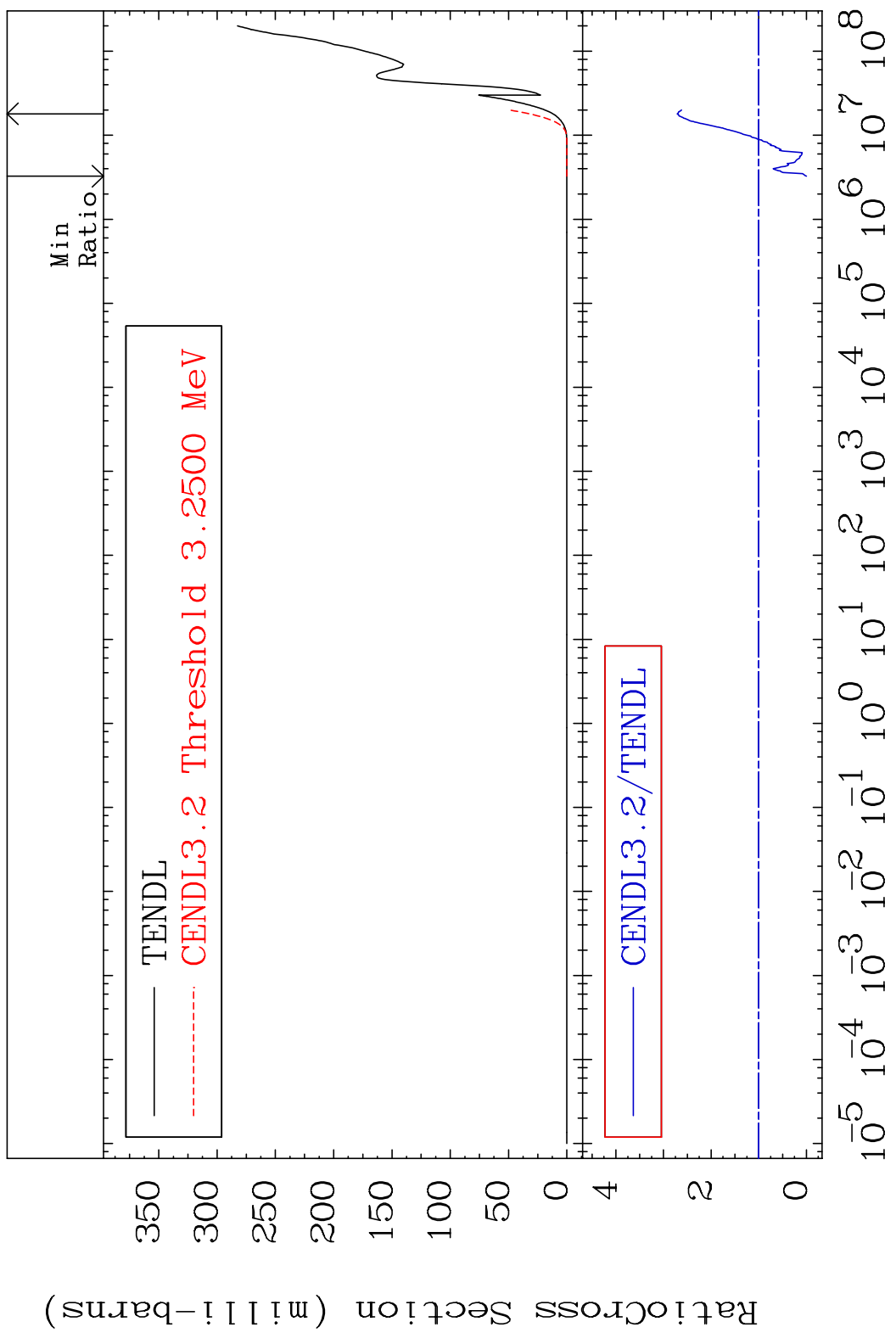
95-Am-242m

MAT 9547

Hydrogen Production

95-Am-242m

Cross Section -100.0 To 171.3 %

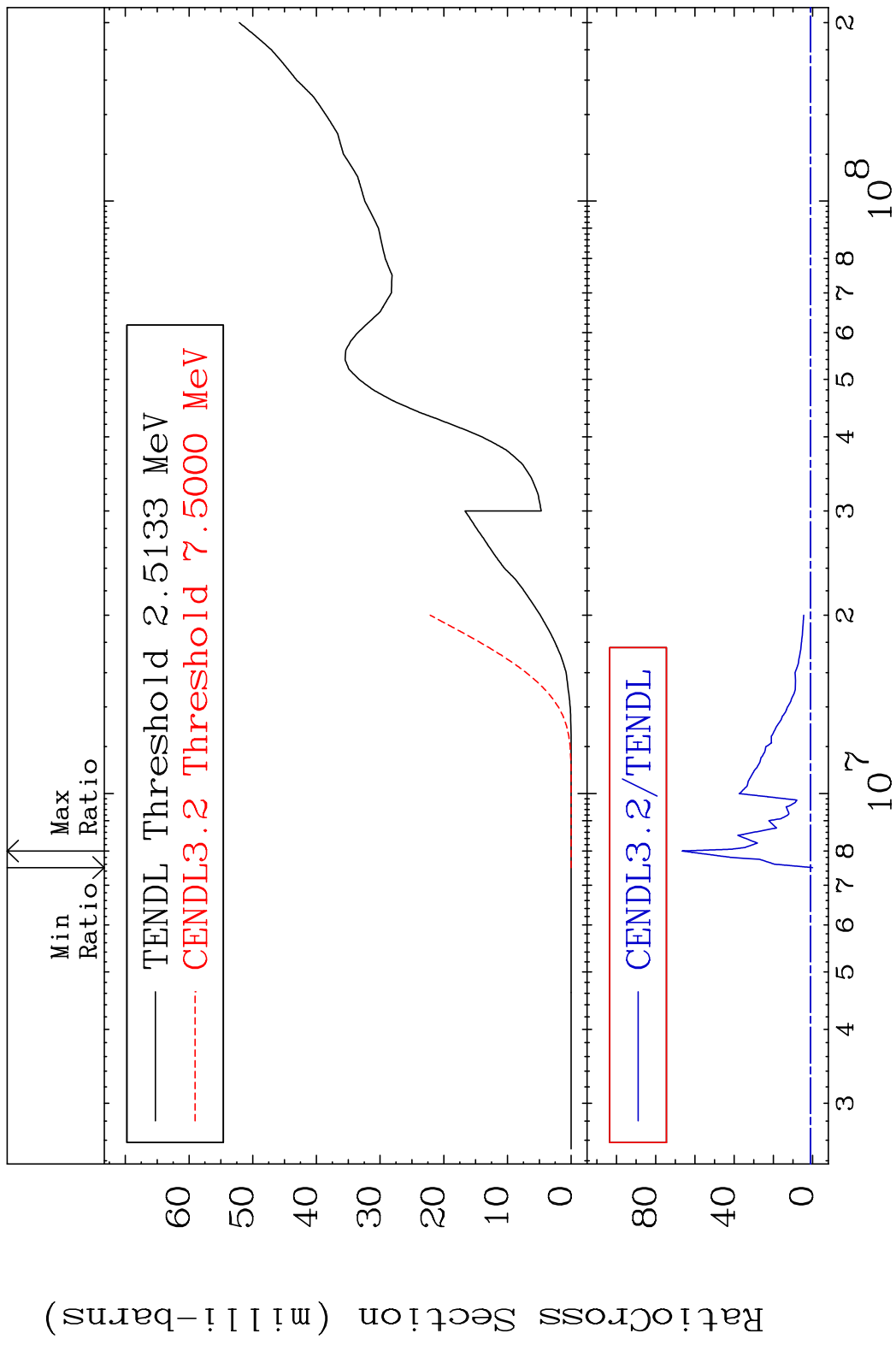


28

Incident Energy (eV)

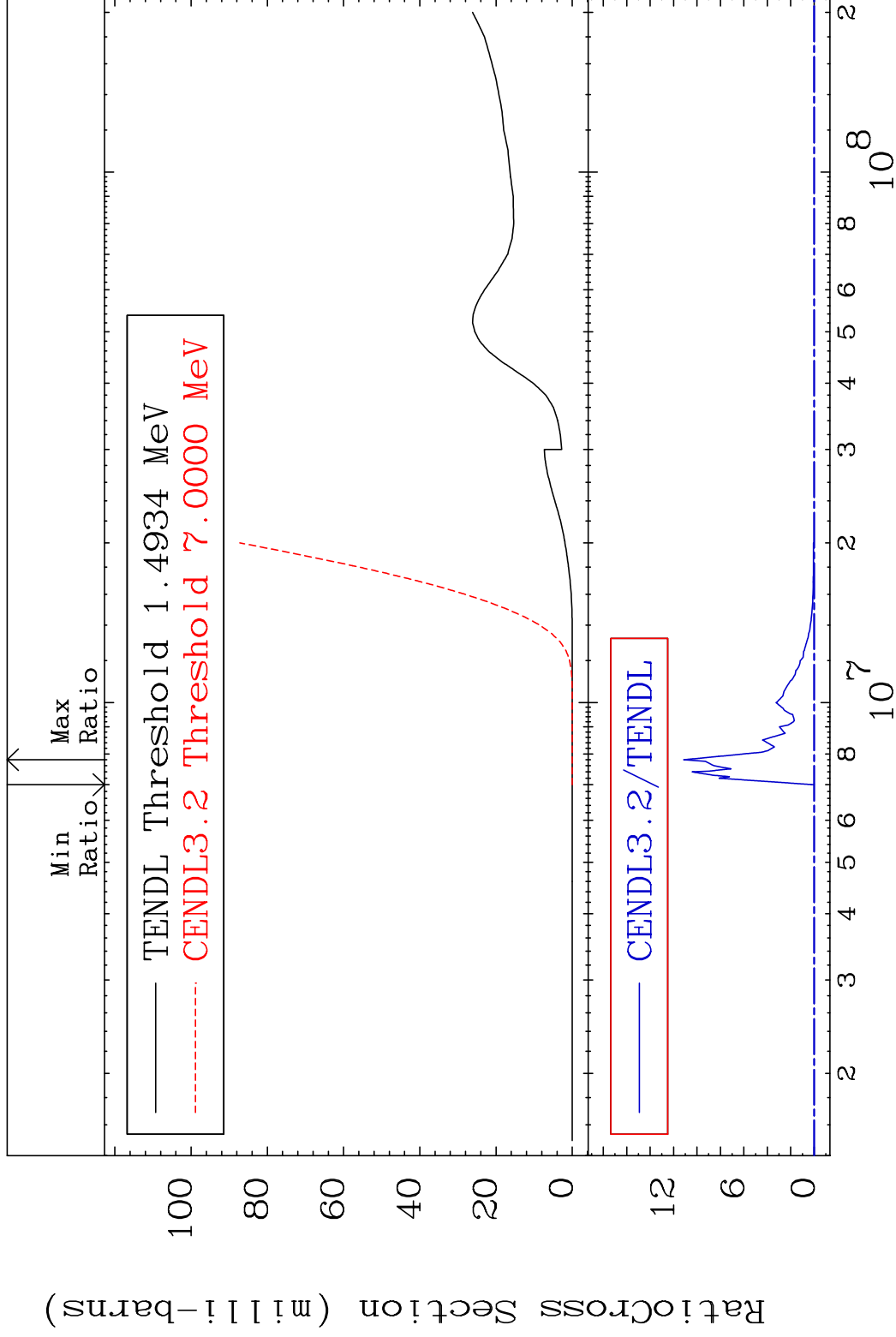
95-Am-242m

MAT 9547 Deuterium Production 95-Am-242m
 Cross Section -100.0 To 6539. %



MAT 9547

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



30

Incident Energy (eV)

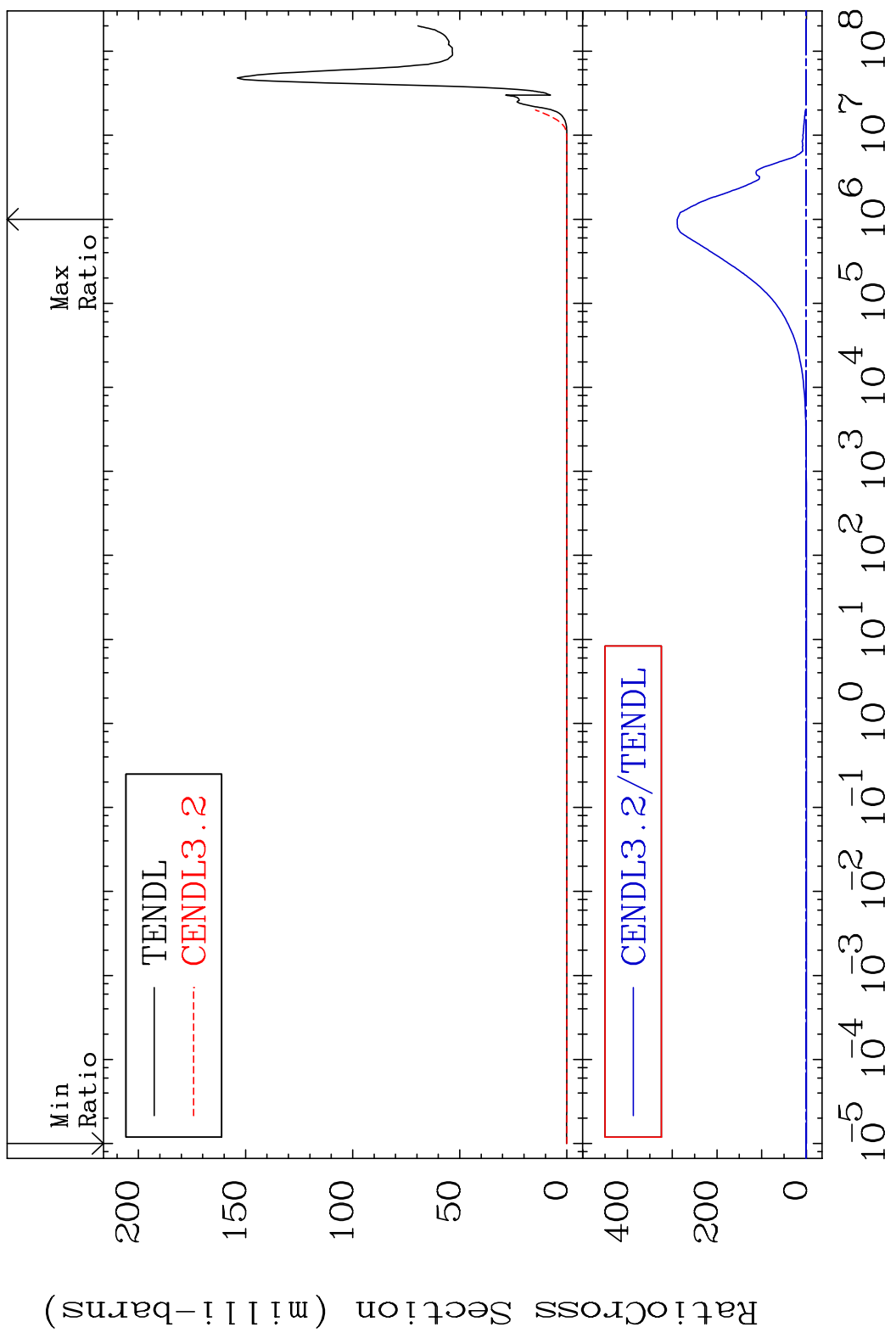
95-Am-242m

MAT 9547

He-4 Production

95-Am-242m

Cross Section -100.0 To 9999. %



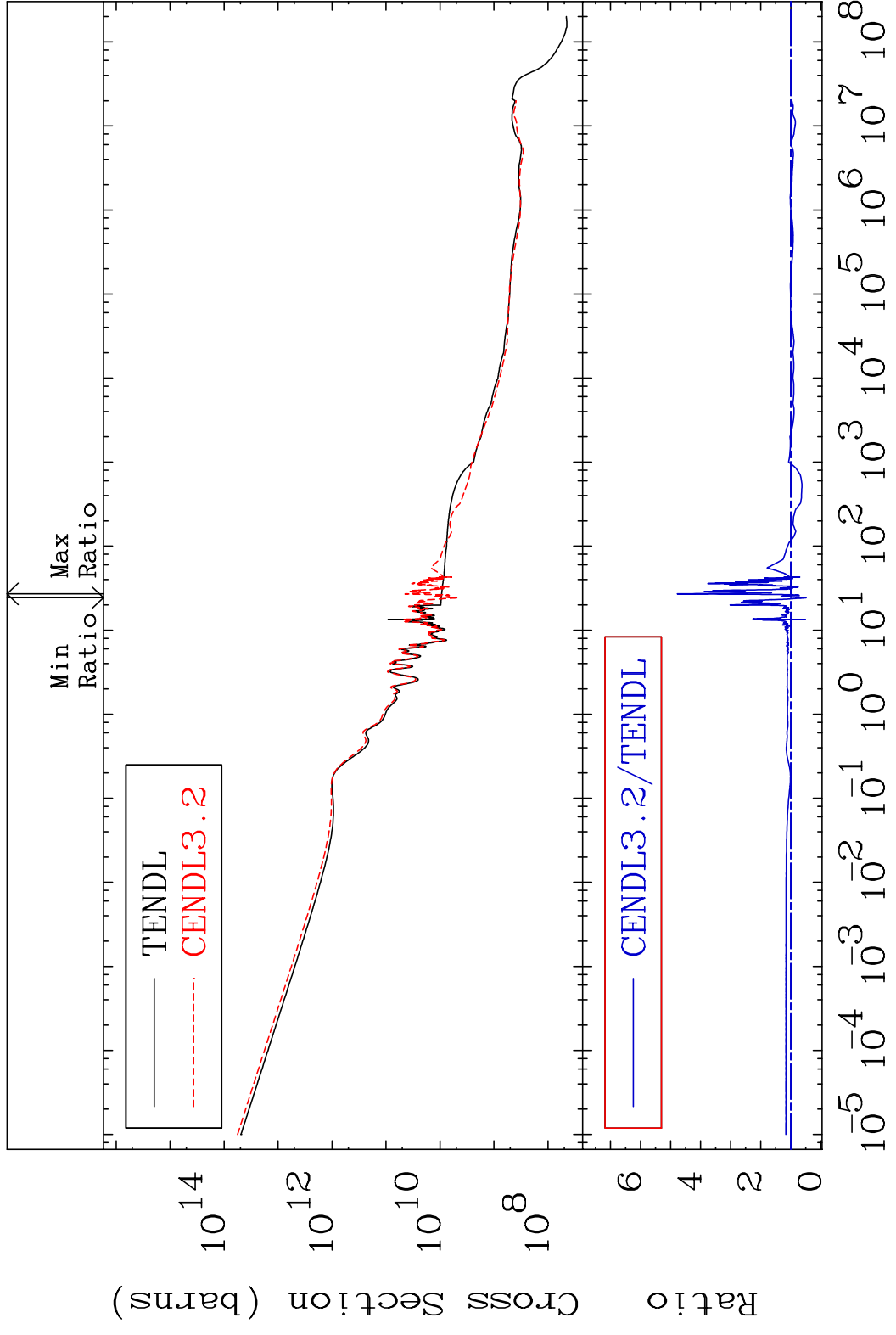
31

Incident Energy (eV)

95-Am-242m

MAT 9547

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

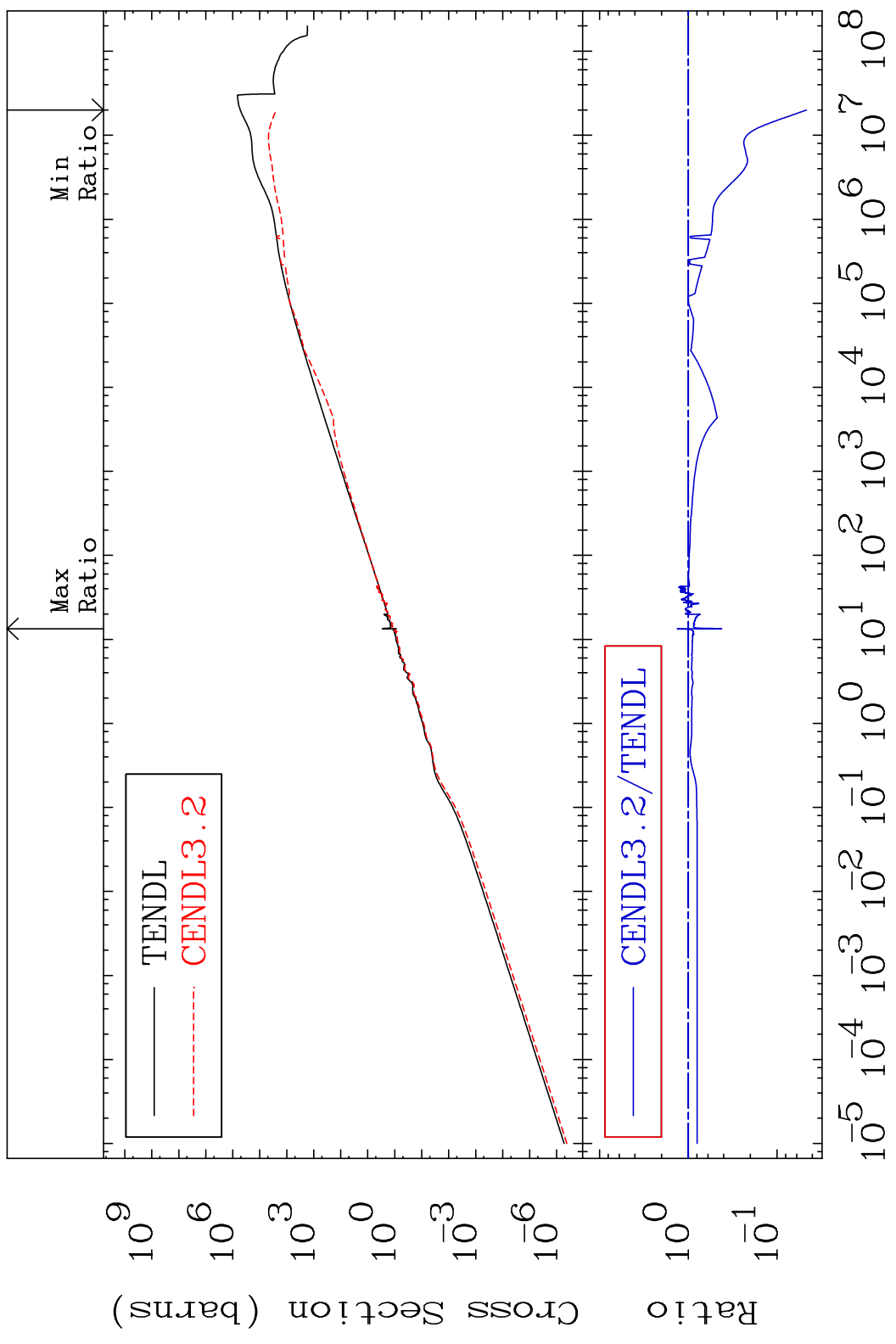


32

Incident Energy (eV) 95-Am-242m

MAT 9547

Kerma elastic Cross Section -95.32 To 33.45 %
95-Am-242m

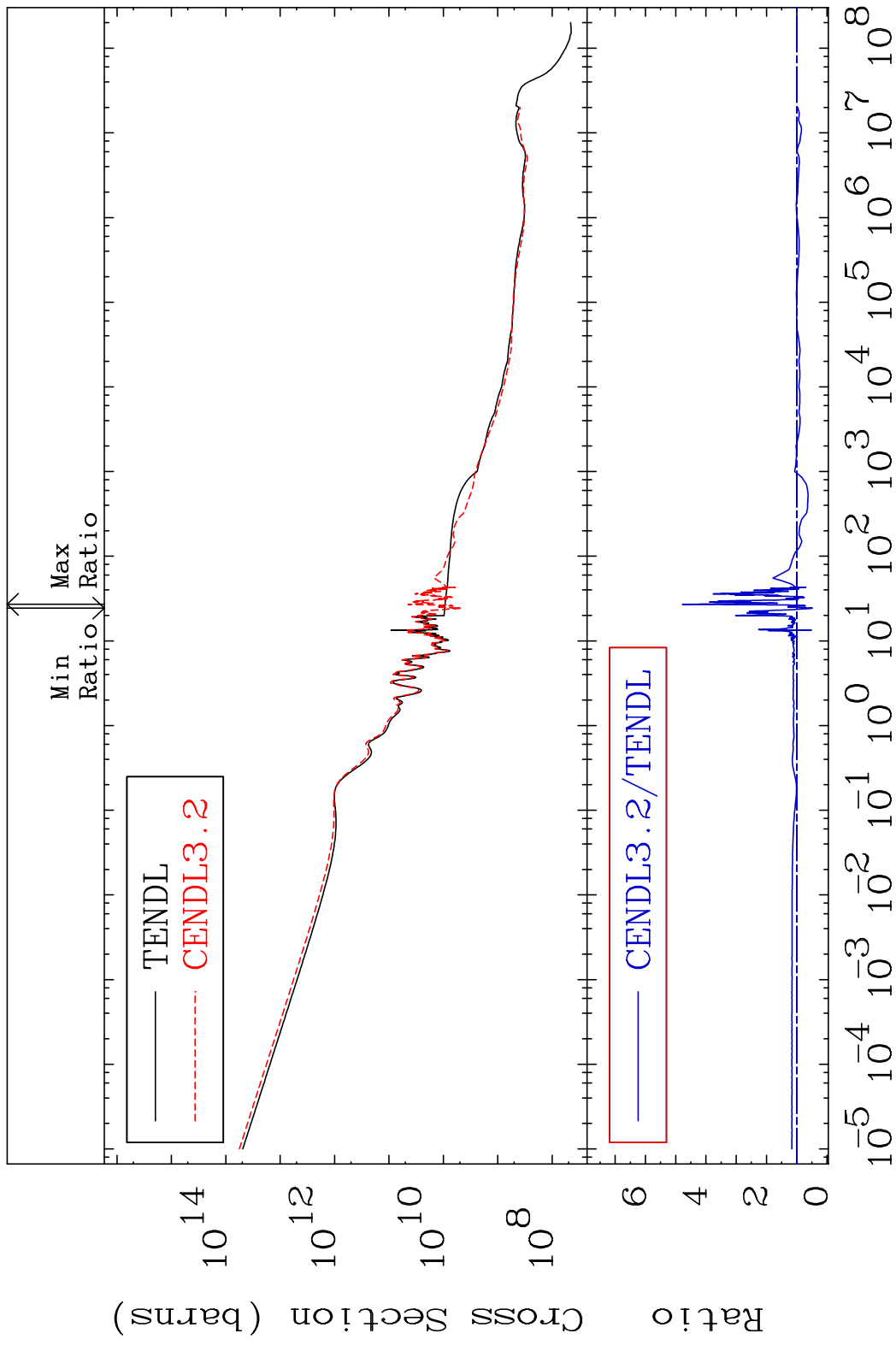


33

Incident Energy (eV)

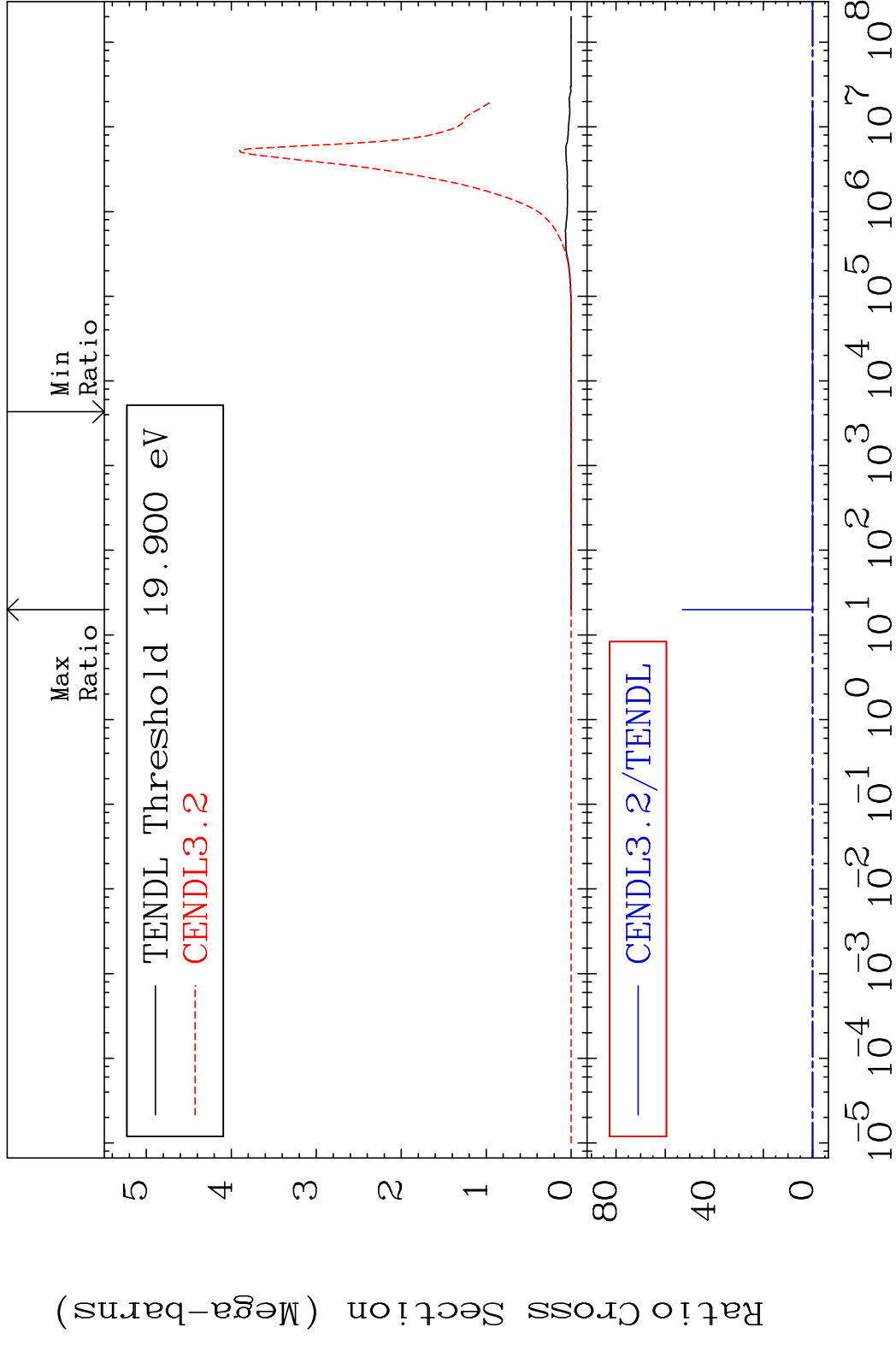
95-Am-242m

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

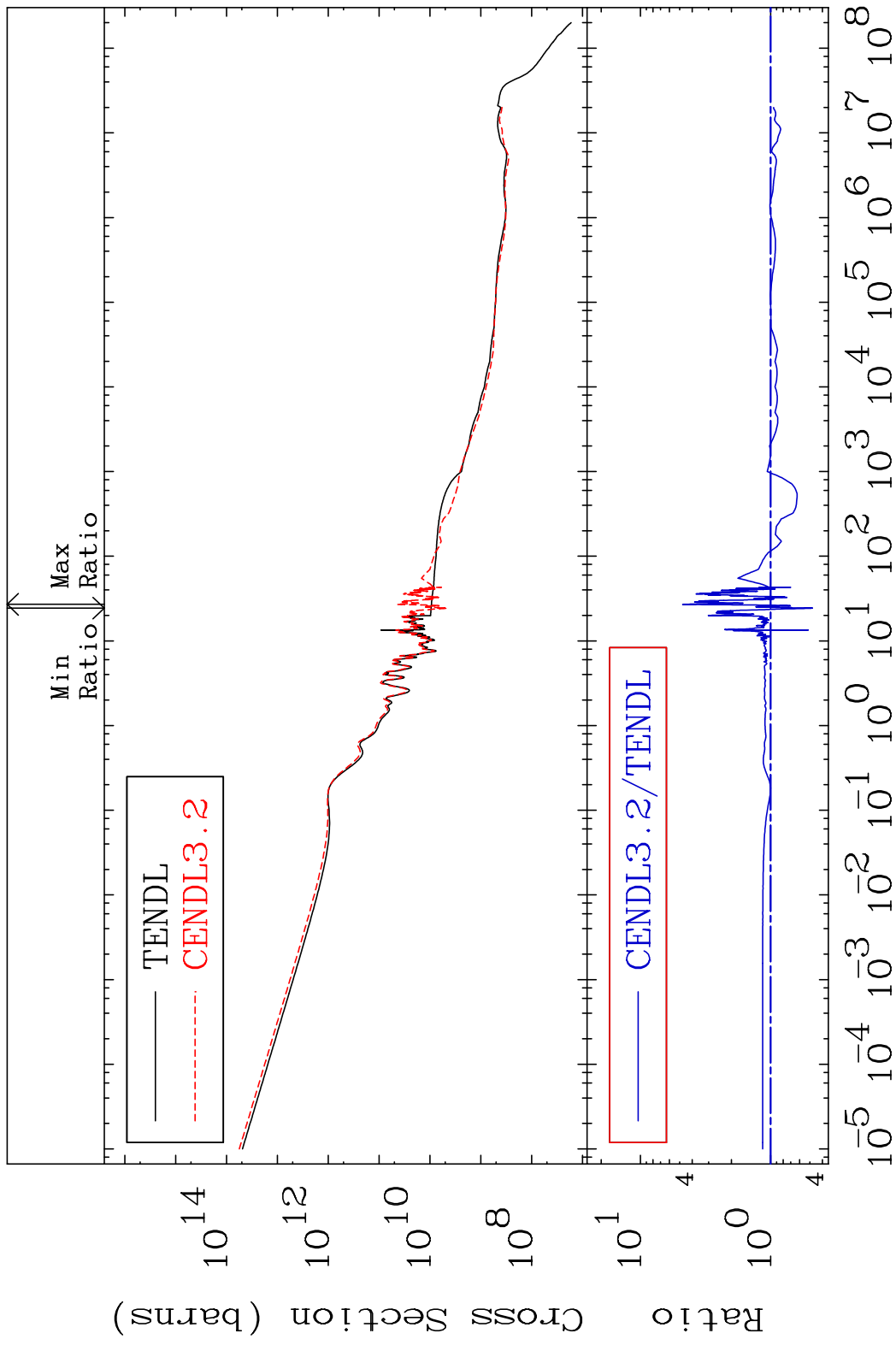


34 Incident Energy (eV) 95-Am-242m

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

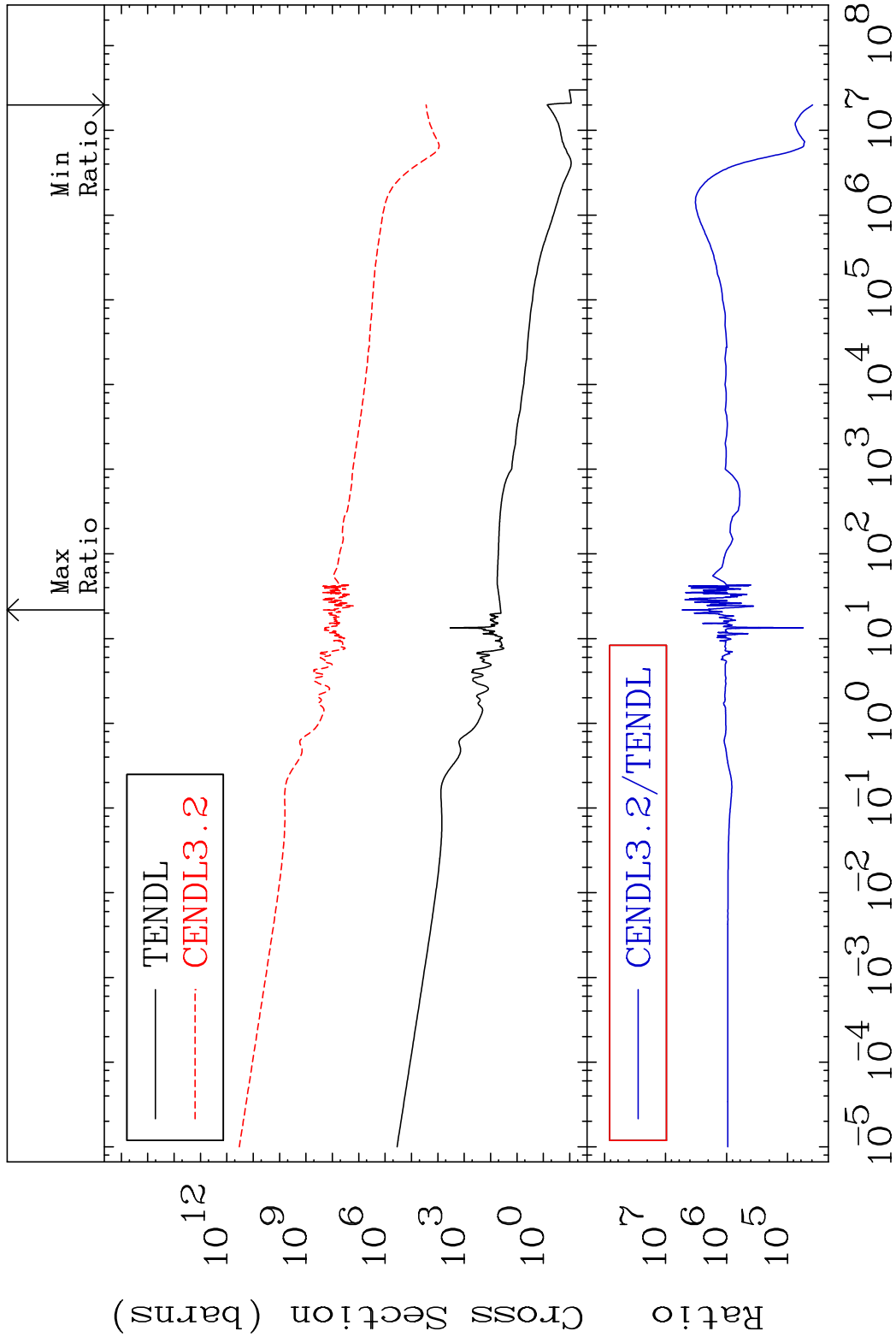


MAT 9547 Kerma fission (mt18 or mt19-20-21-30) 95-Am-242m
 Cross Section -52.36 To 376.4 %



MAT 9547

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

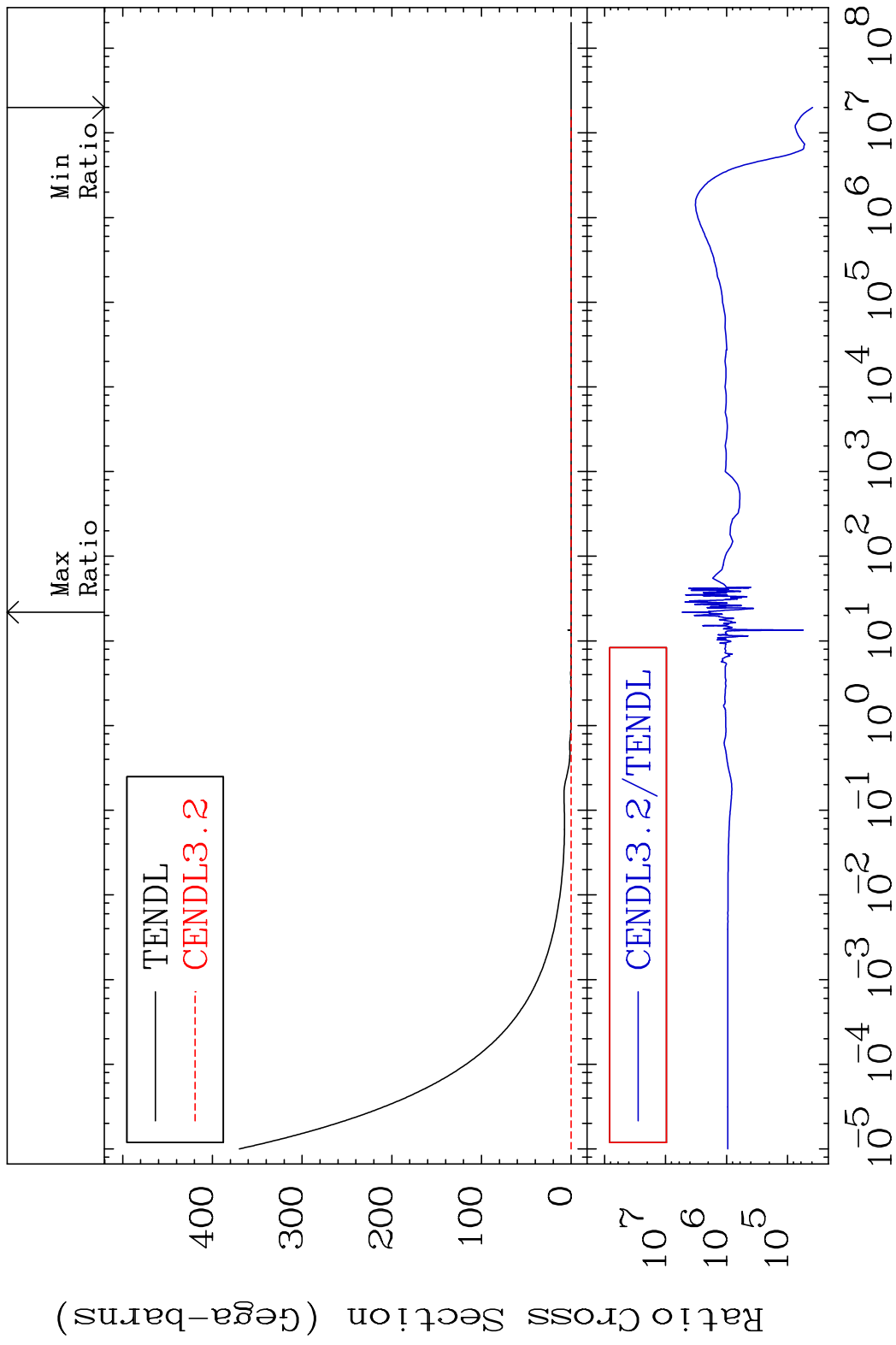


37

Incident Energy (eV)

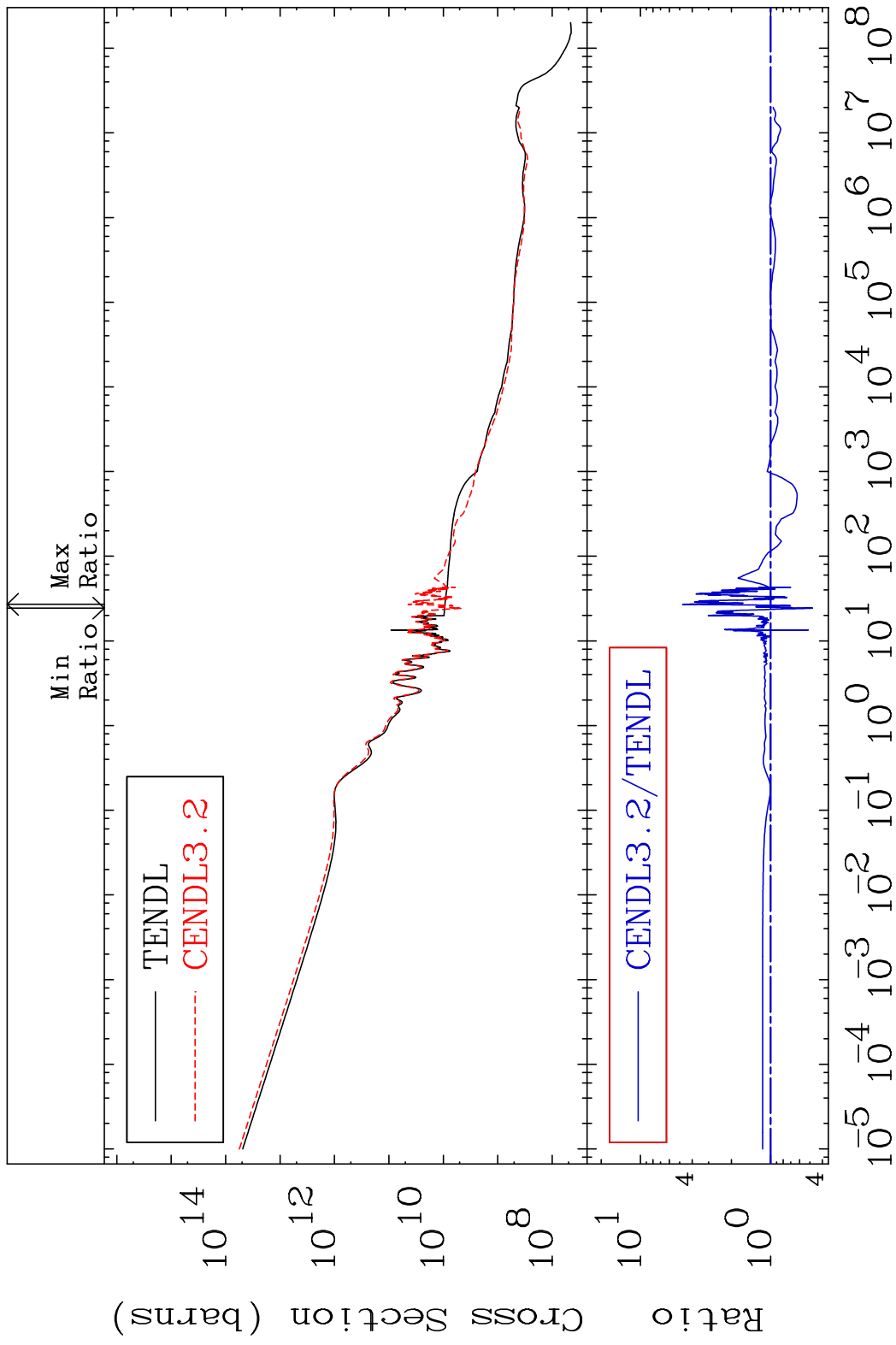
95-Am-242m

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



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

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



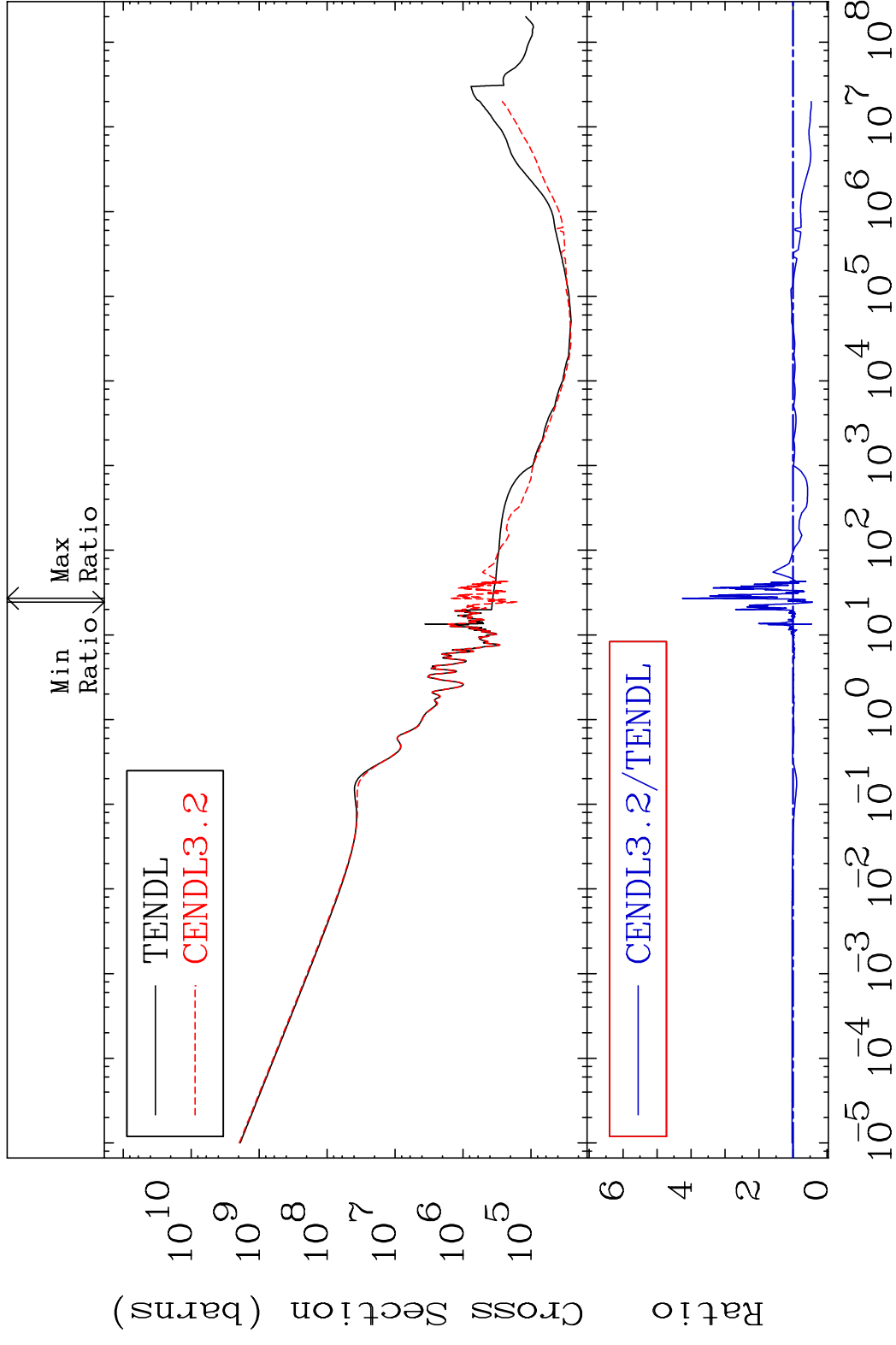
39 Incident Energy (eV) 95-Am-242m

MAT 9547

Dpa total (eV-barns)

95-Am-242m

Cross Section -57.44 To 325.6 %



40

Incident Energy (eV)

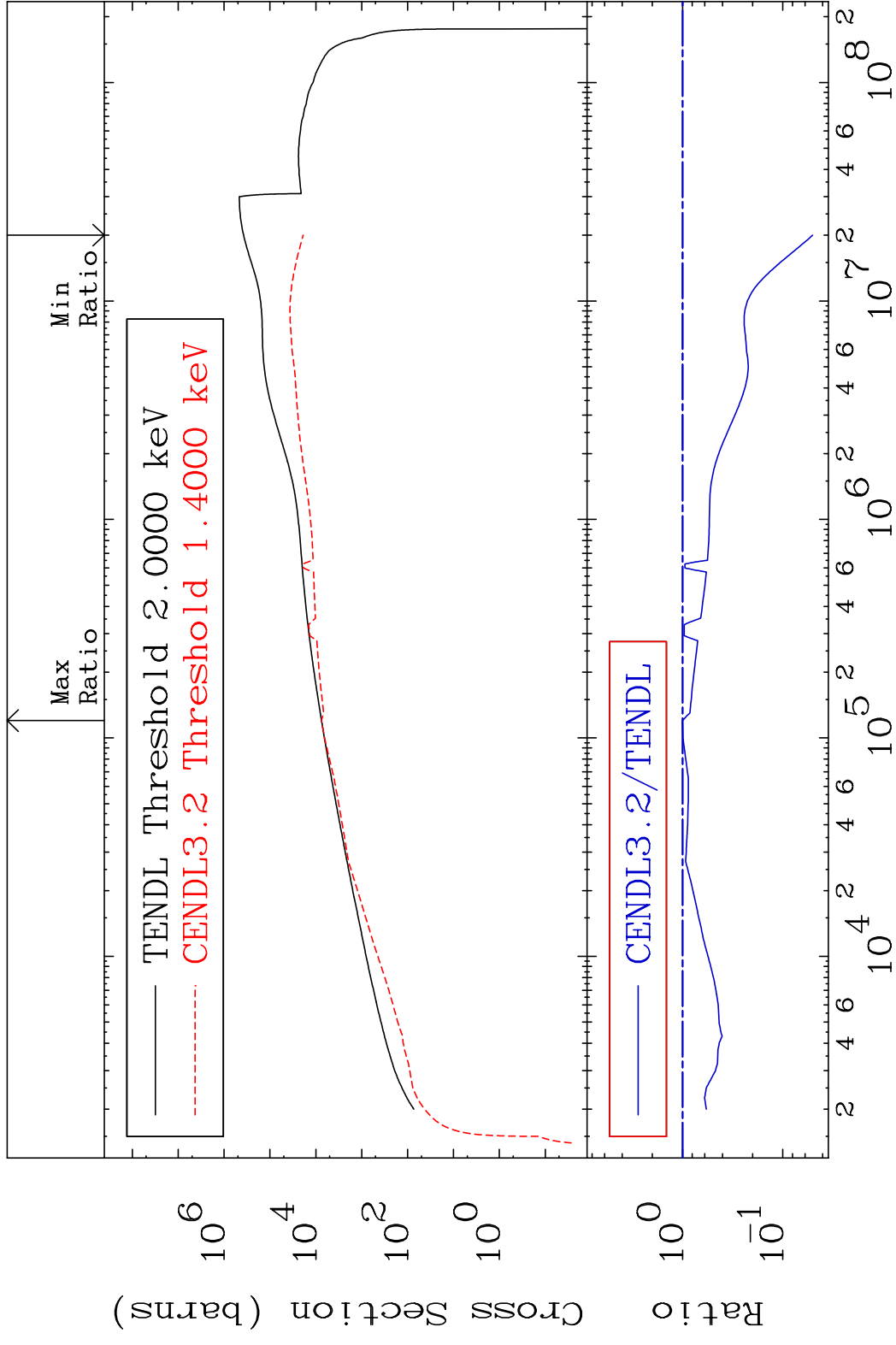
95-Am-242m

MAT 9547

Dpa elastic (mt2)

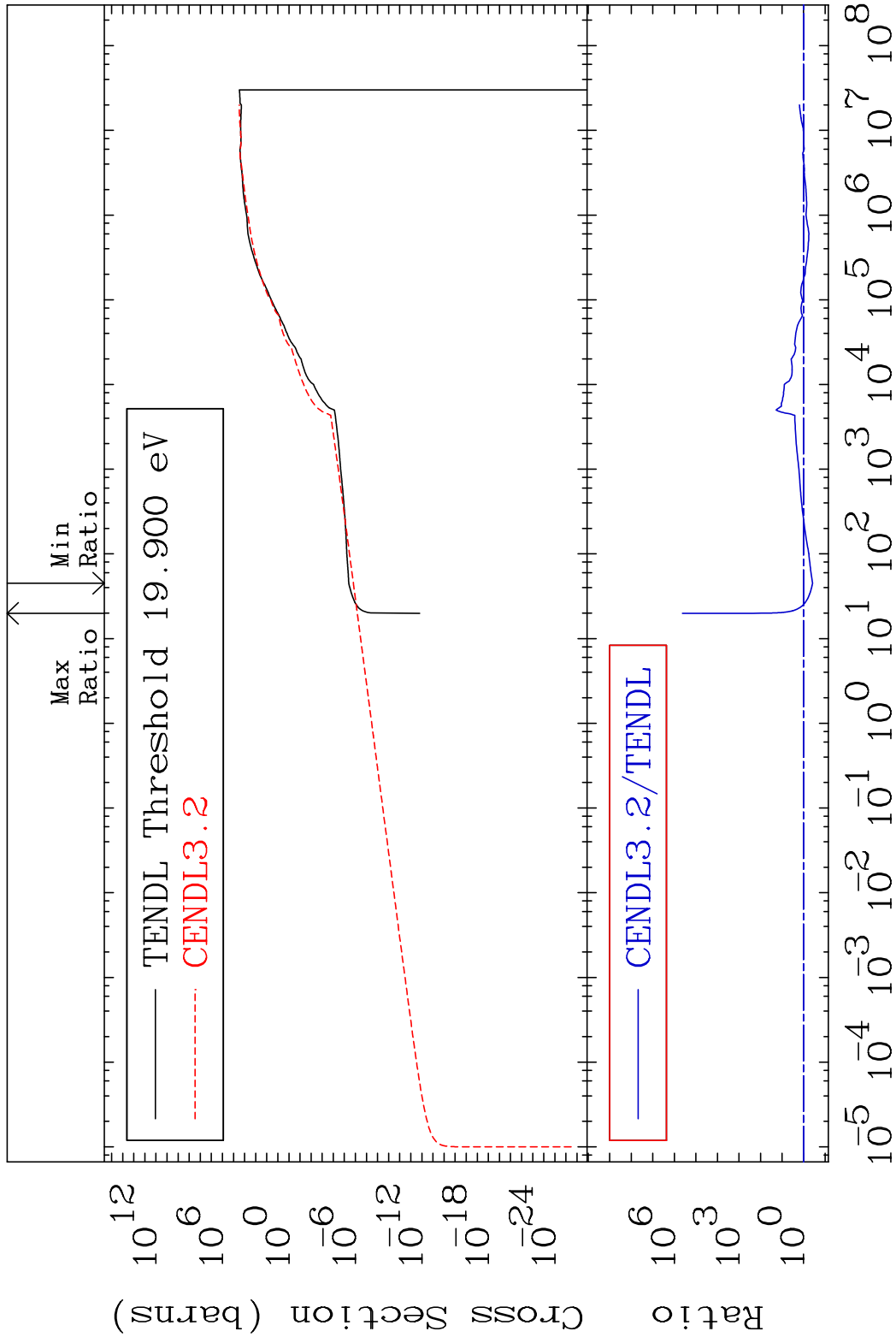
95-Am-242m

Cross Section -94.96 To 0.450 %



MAT 9547

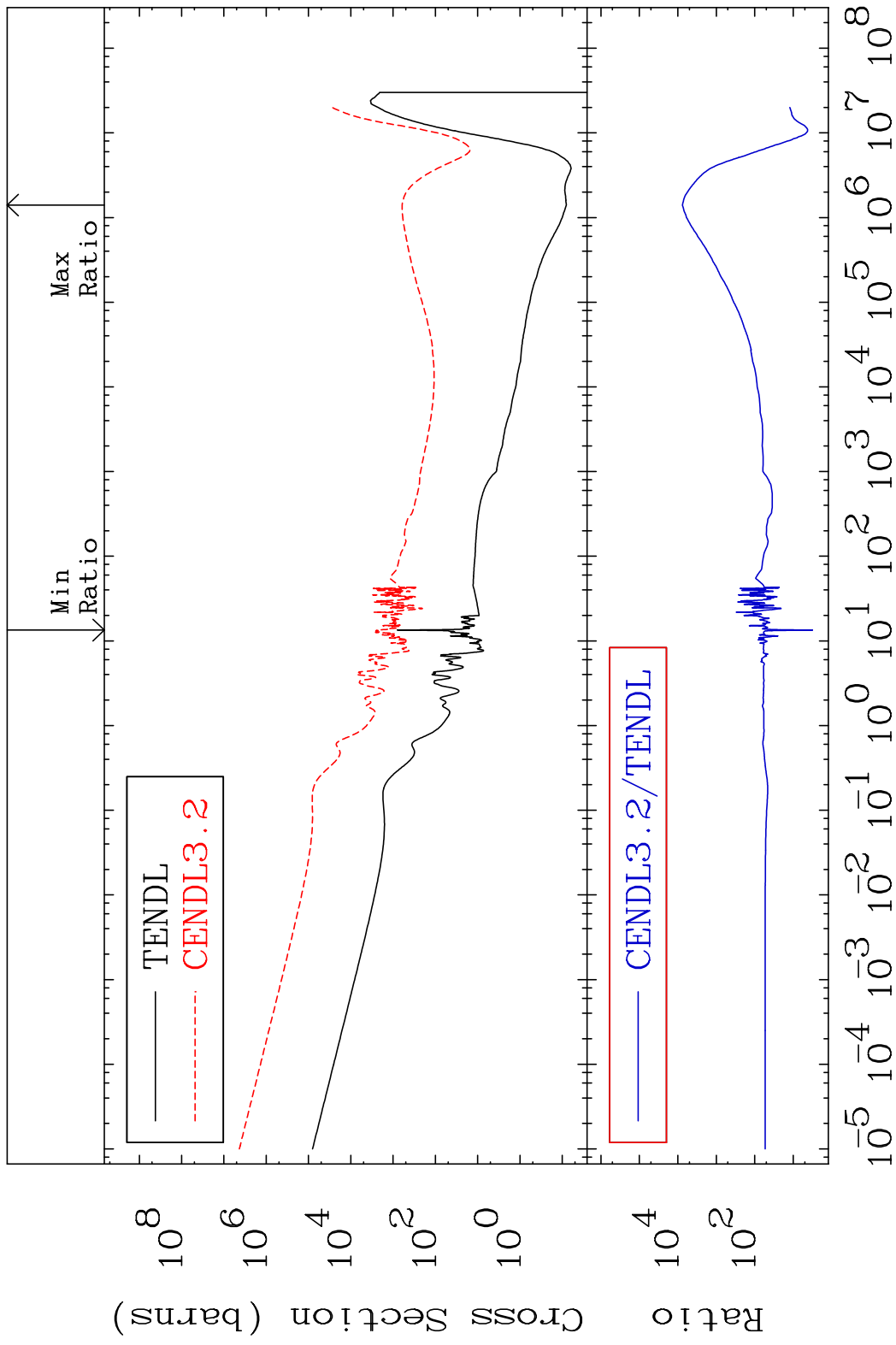
Dpa inelastic (mt51-91) 95-Am-242m
Cross Section -61.67 To 9999. %



42

Incident Energy (eV) 95-Am-242m

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



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