

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

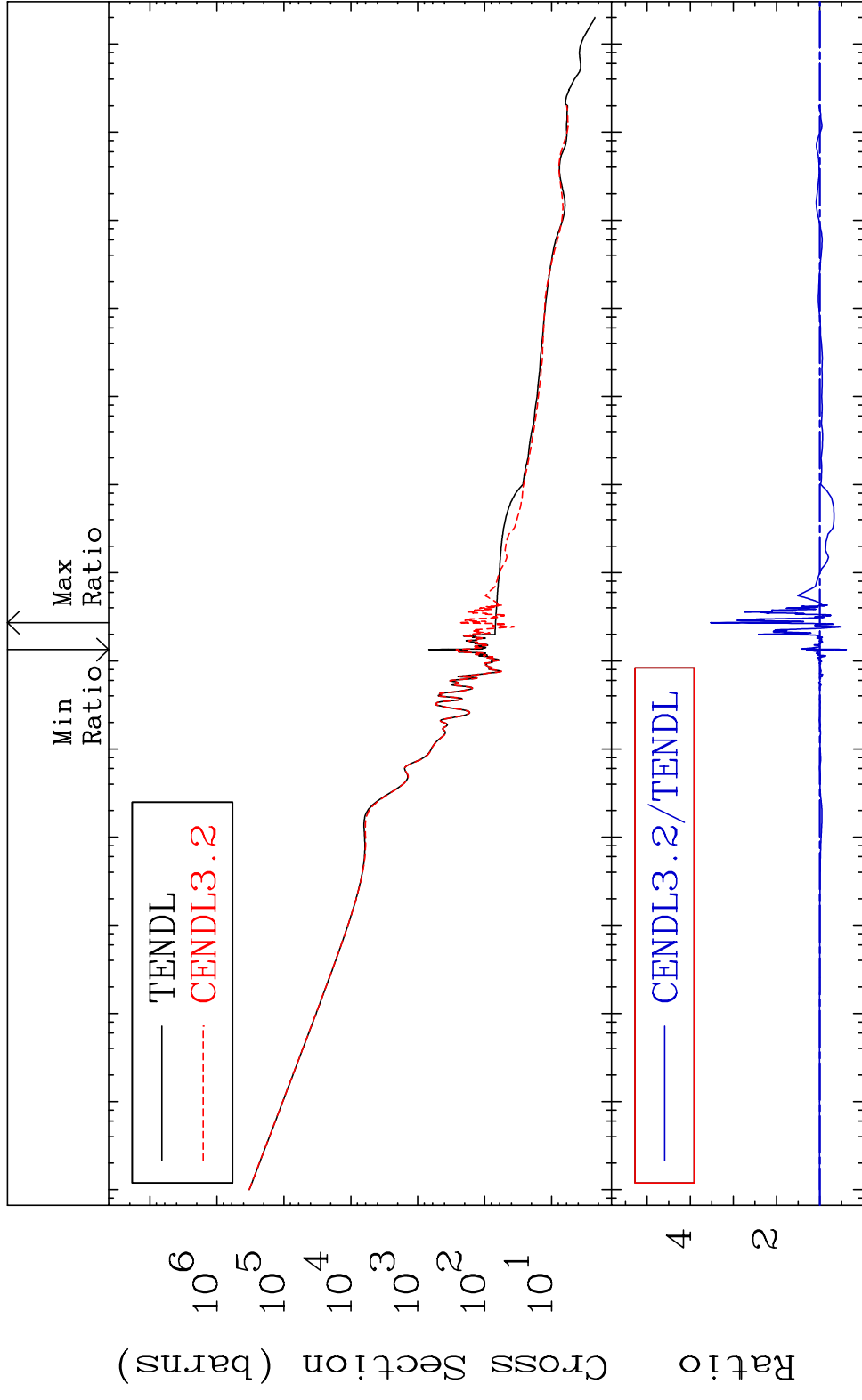
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9547

Total Cross Section -61.49 To 252.5 %

95-Am-242m



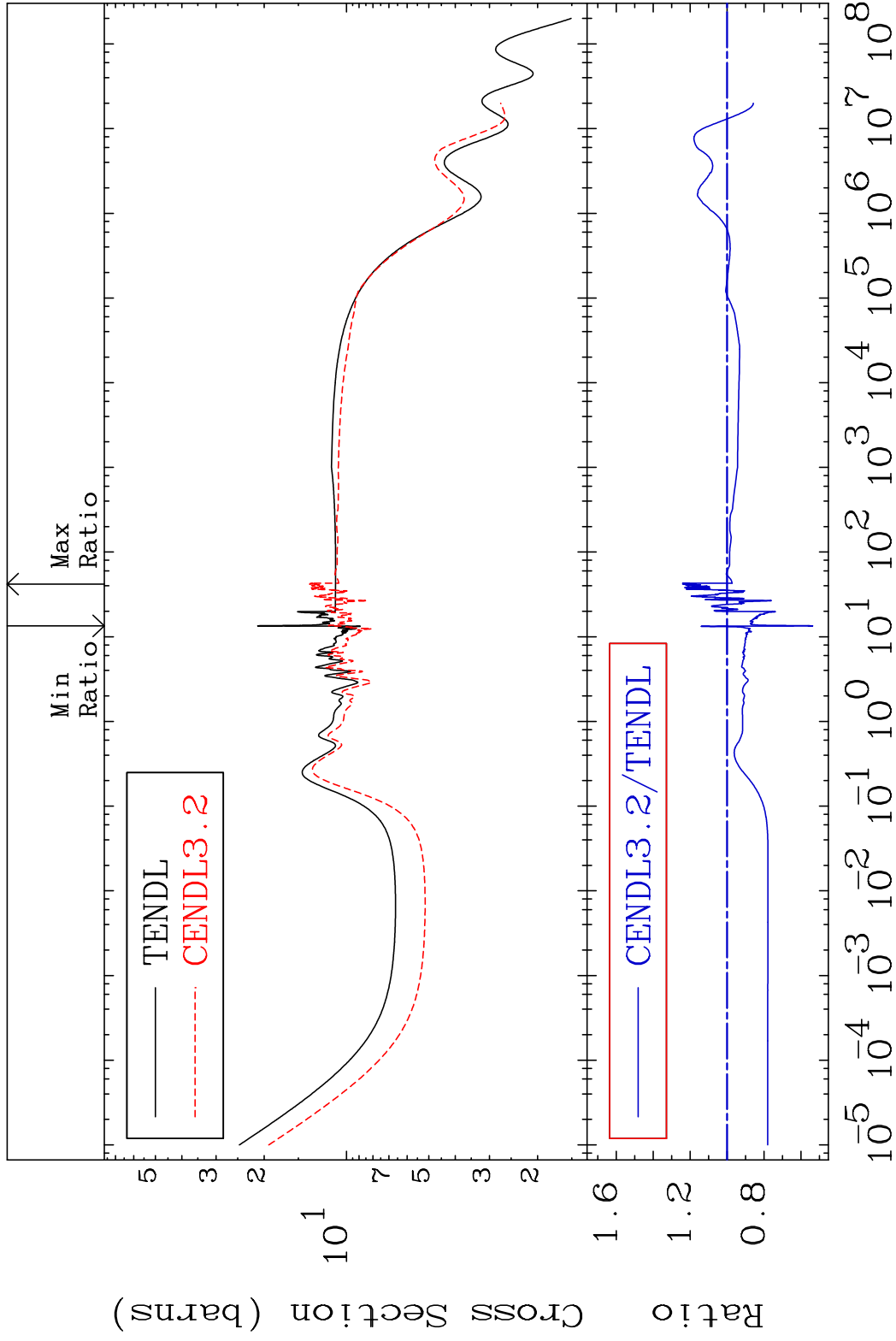
1 Incident Energy (eV) 95-Am-242m

MAT 9547

Elastic

95-Am-242m

Cross Section -46.23 To 24.27 %



2

Incident Energy (eV)

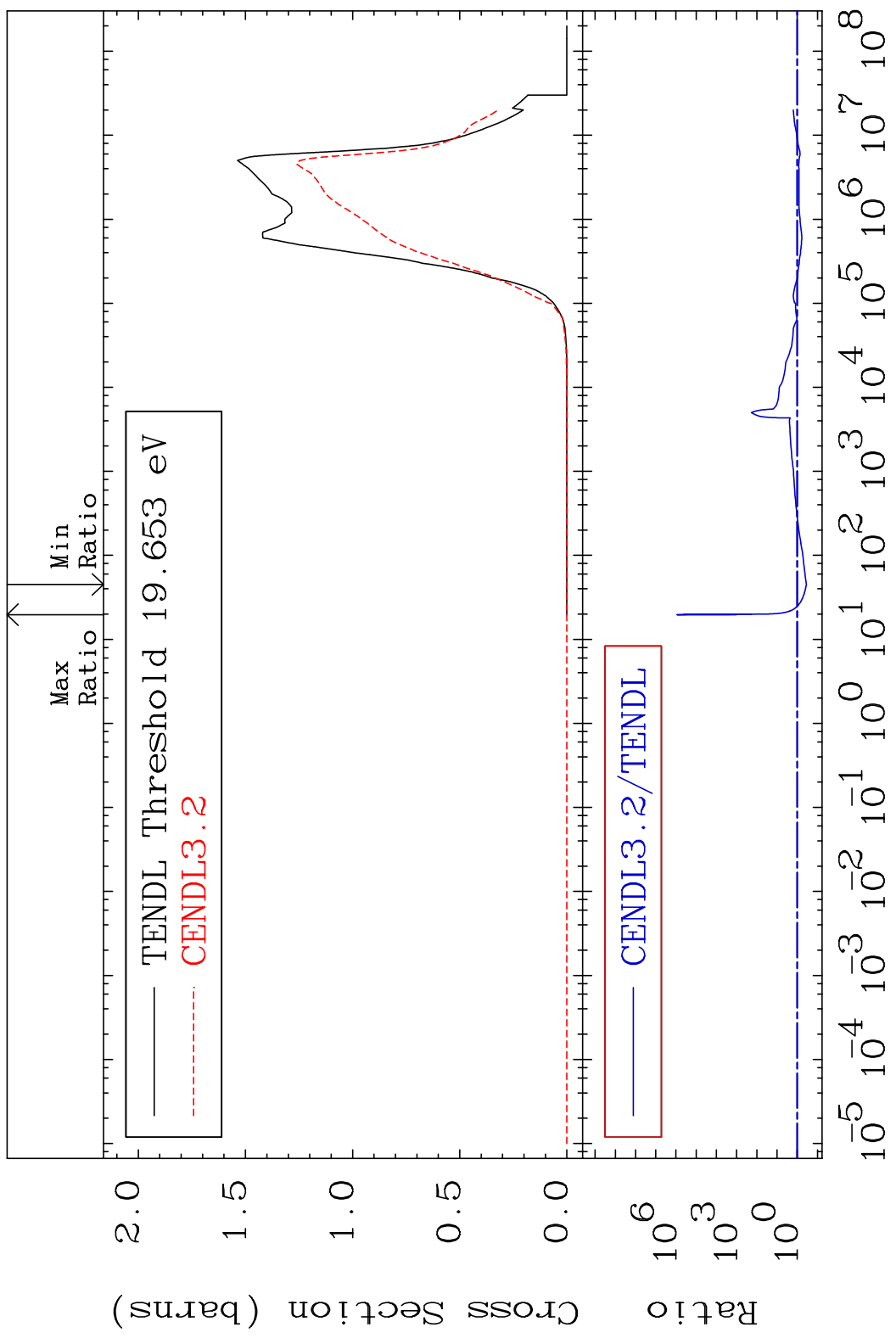
95-Am-242m

MAT 9547

Inelastic

95-Am-242m

Cross Section -64.85 To 9999. %

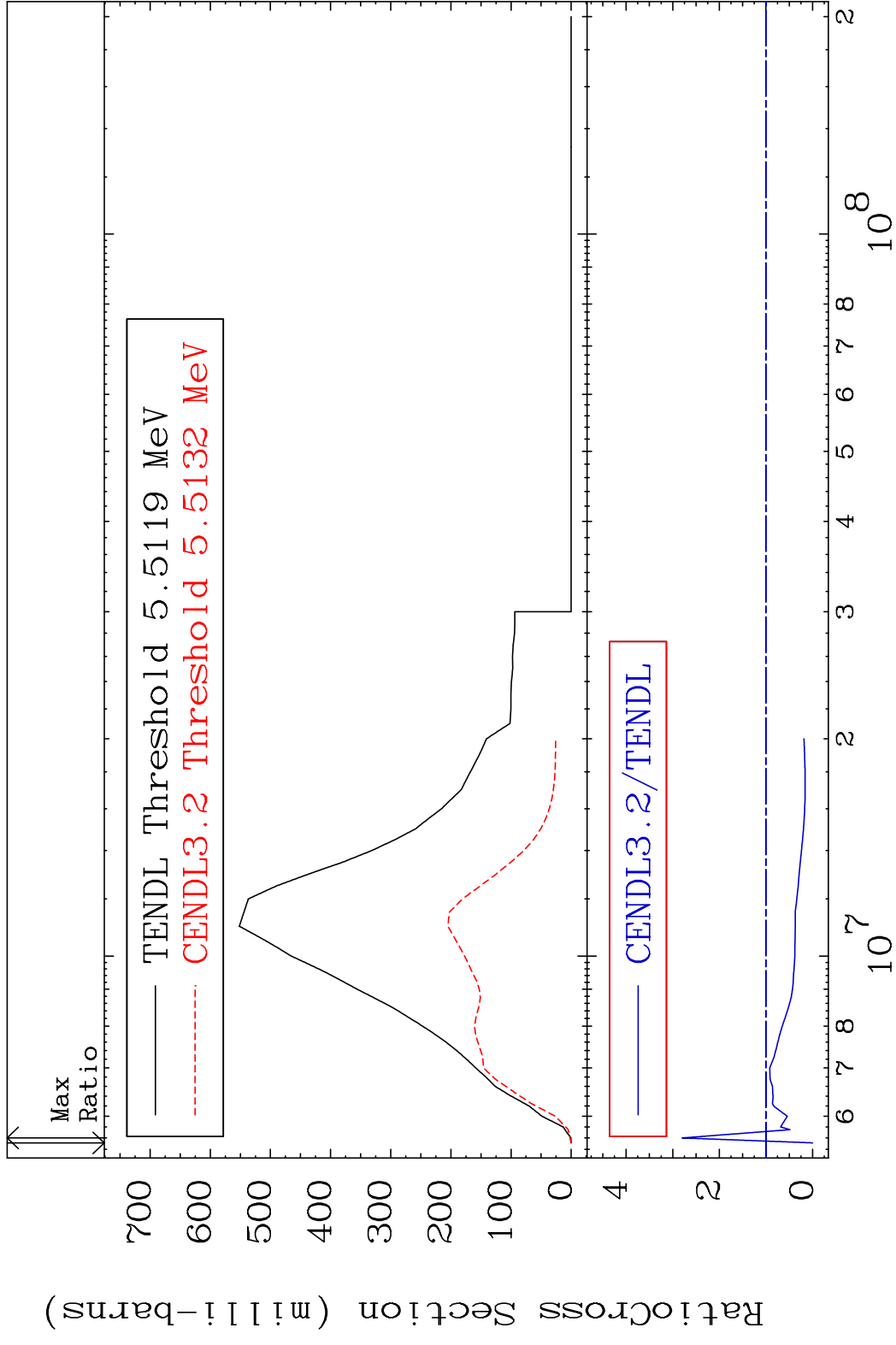


3

Incident Energy (eV)

95-Am-242m

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



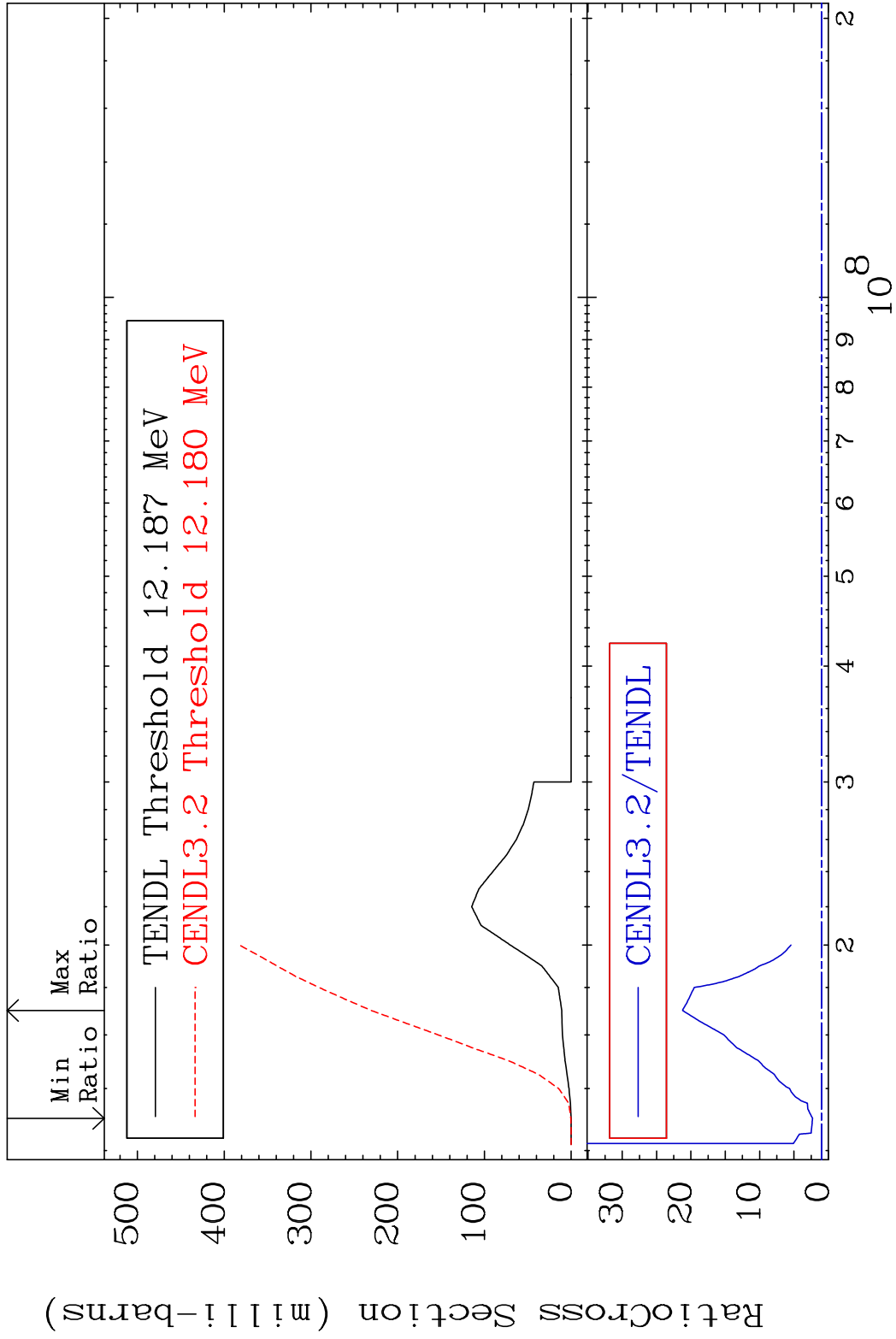
4 Incident Energy (eV) 95-Am-242m

MAT 9547

(n,3n)

95-Am-242m

Cross Section 129.2 To 2025. %



5

Incident Energy (eV)

95-Am-242m

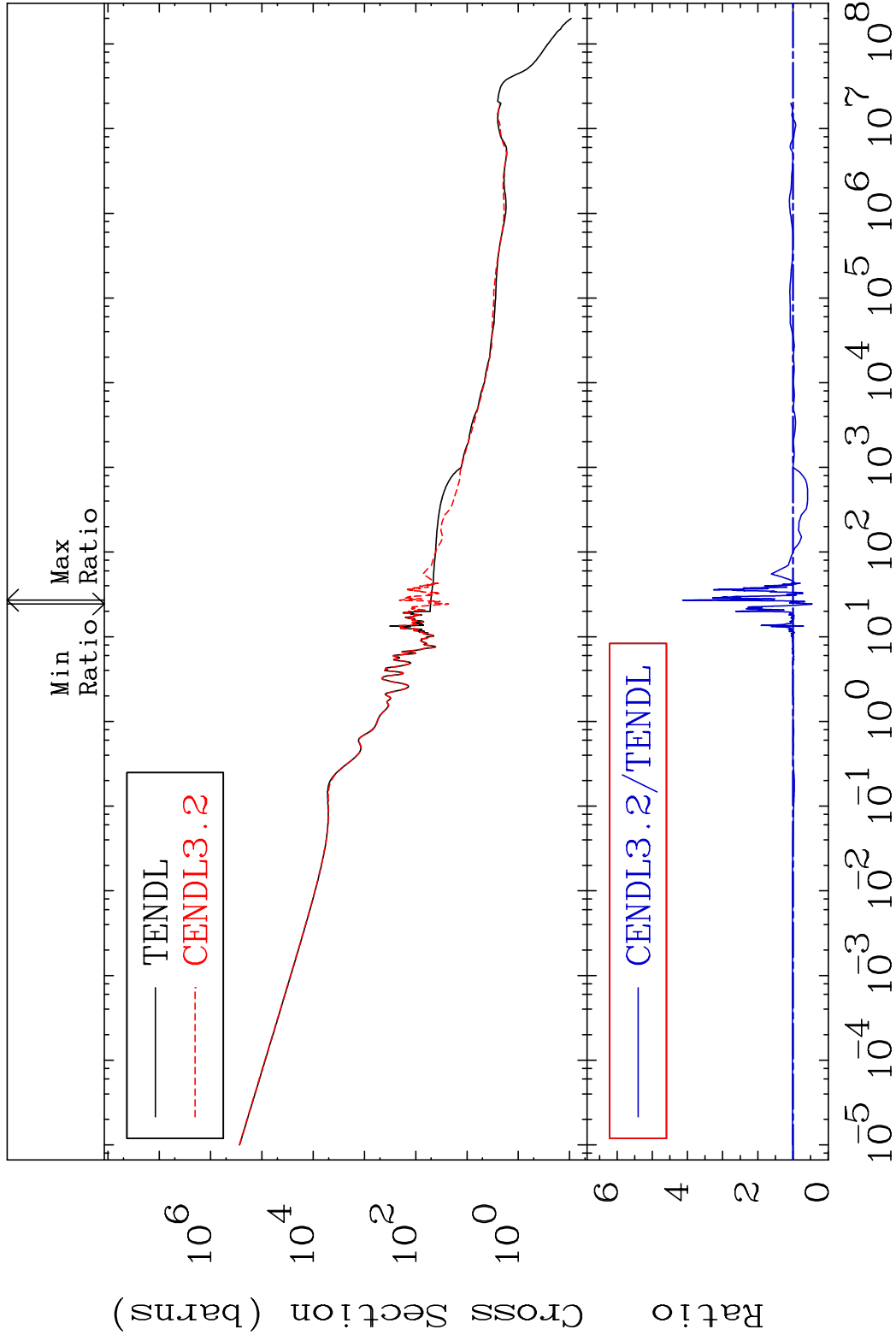
MAT 9547

Fission

95-Am-242m

Cross Section

-55.94 To 314.7 %

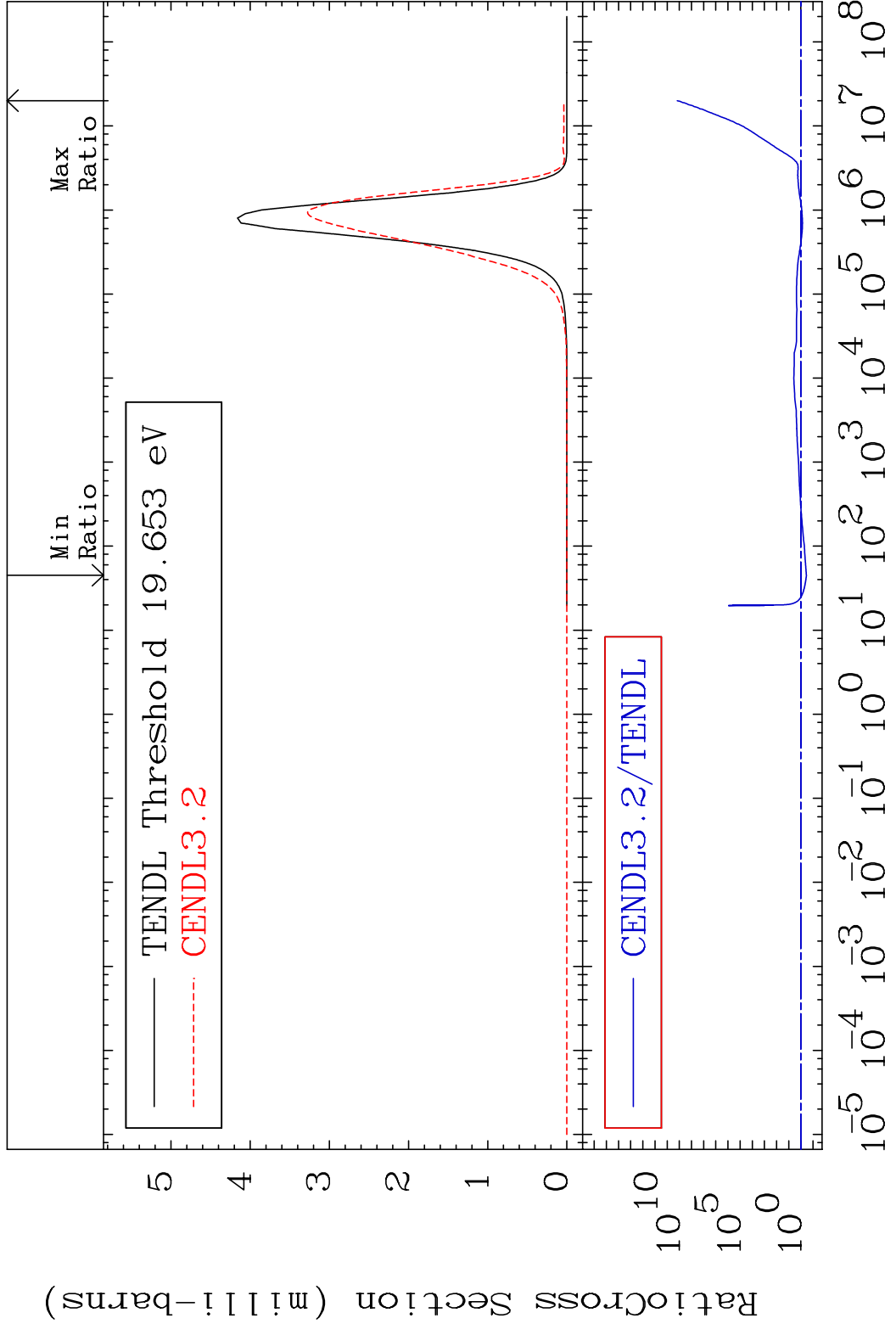


6

Incident Energy (eV)

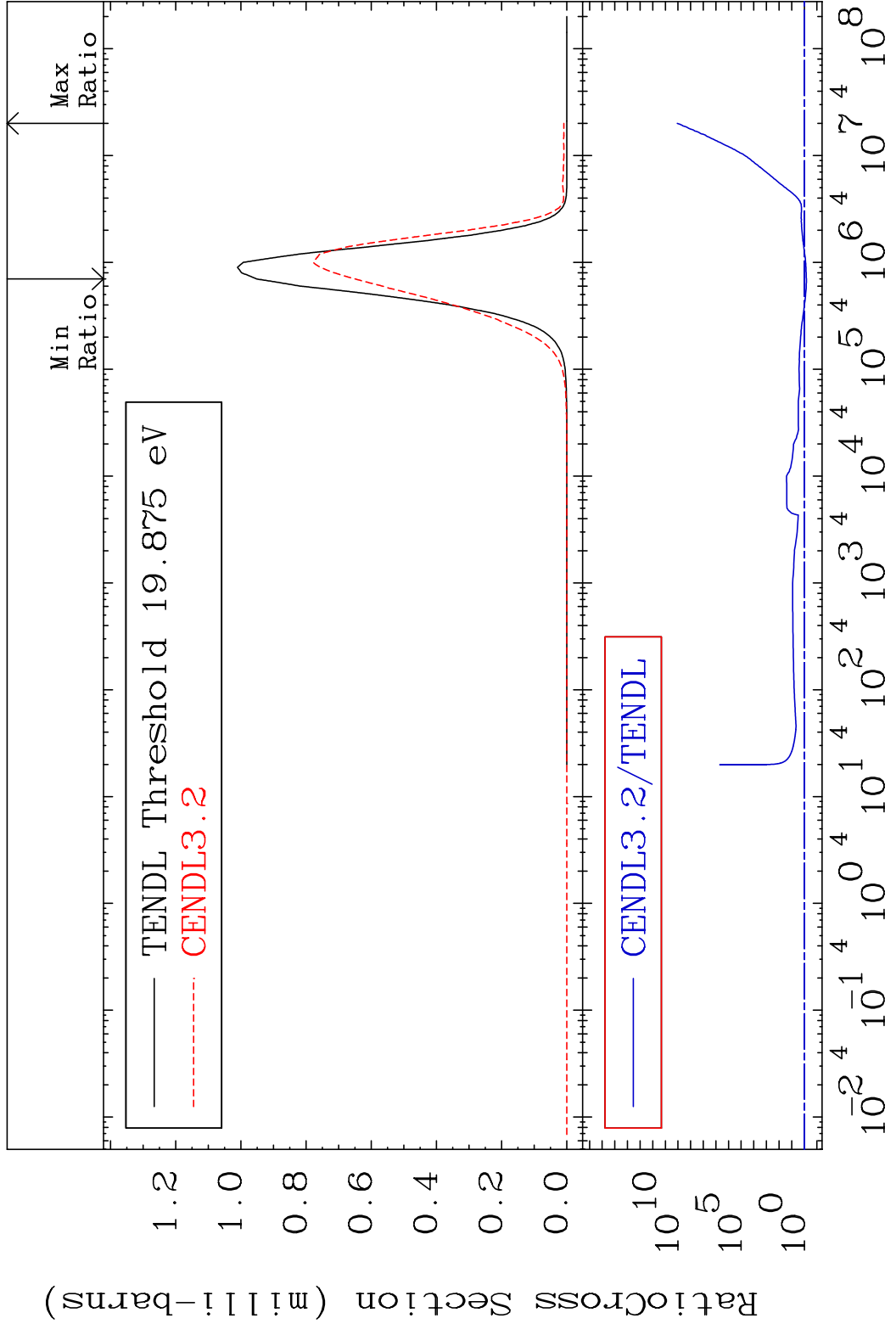
95-Am-242m

MAT 9547 MT= 51 (n, n') Level 95-Am-242m  
 Cross Section -64.87 To 9999. %

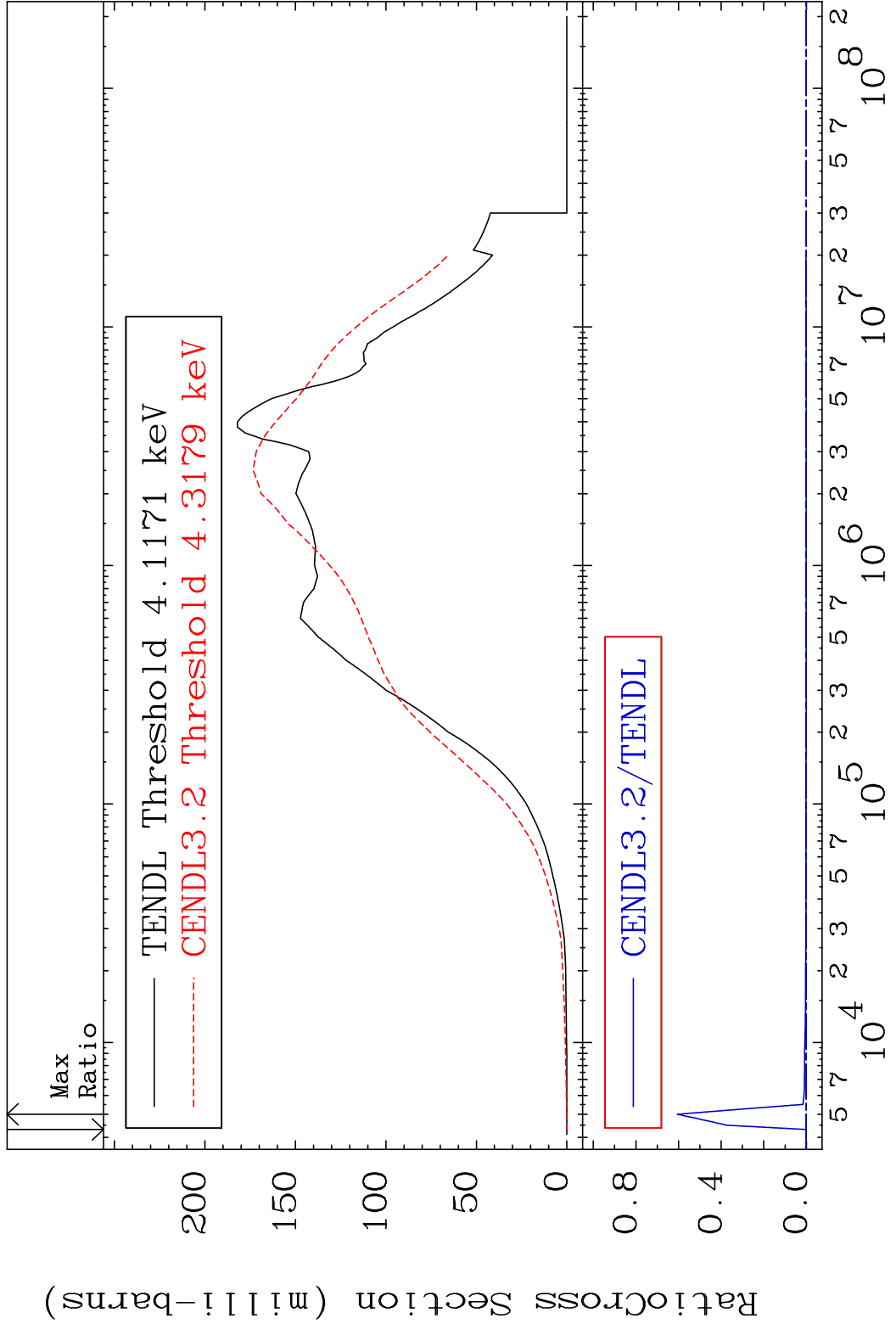


7 Incident Energy (eV) 95-Am-242m

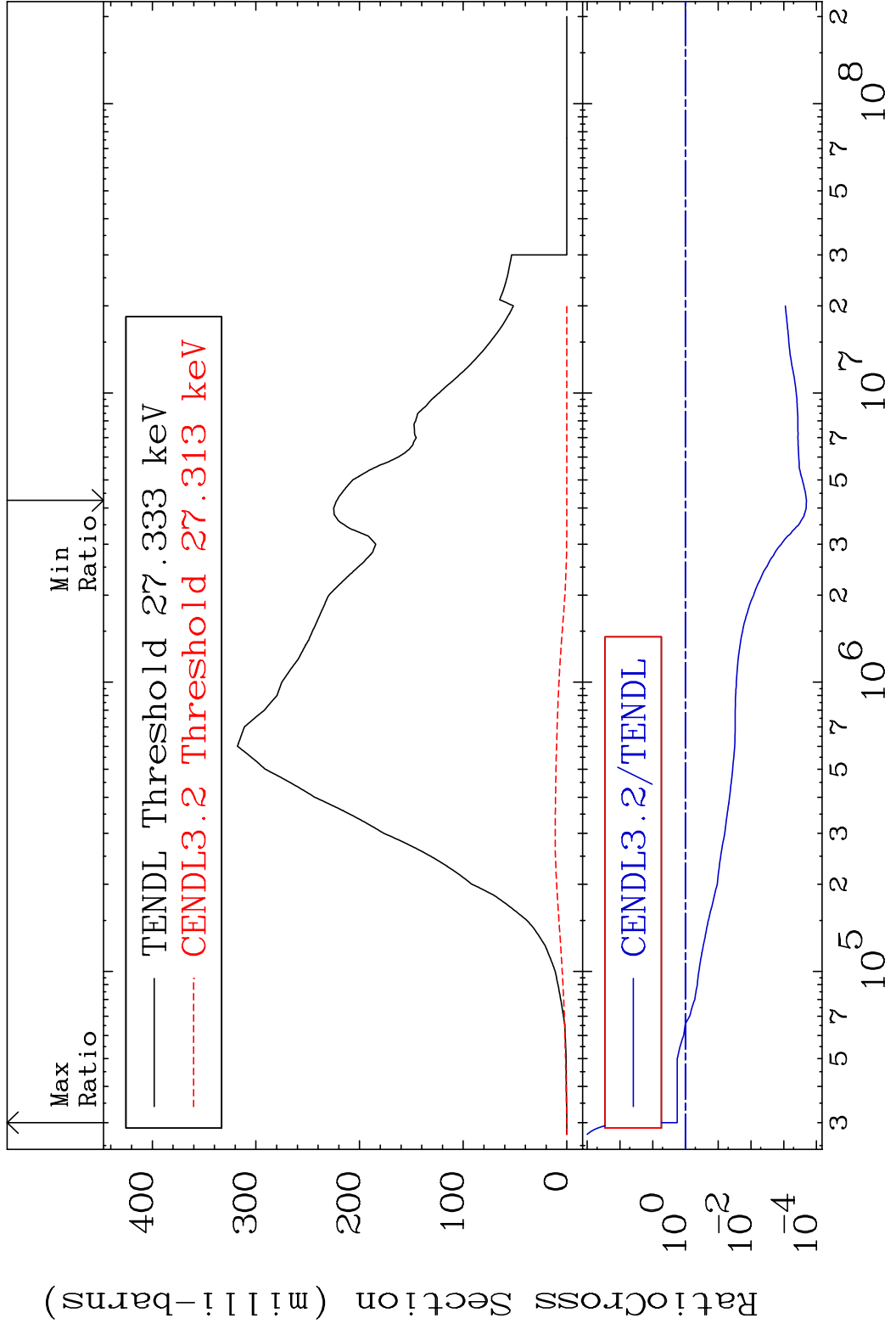
MAT 9547 MT= 52 (n, n') Level 95-Am-242m  
 Cross Section -31.73 To 9999. %



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

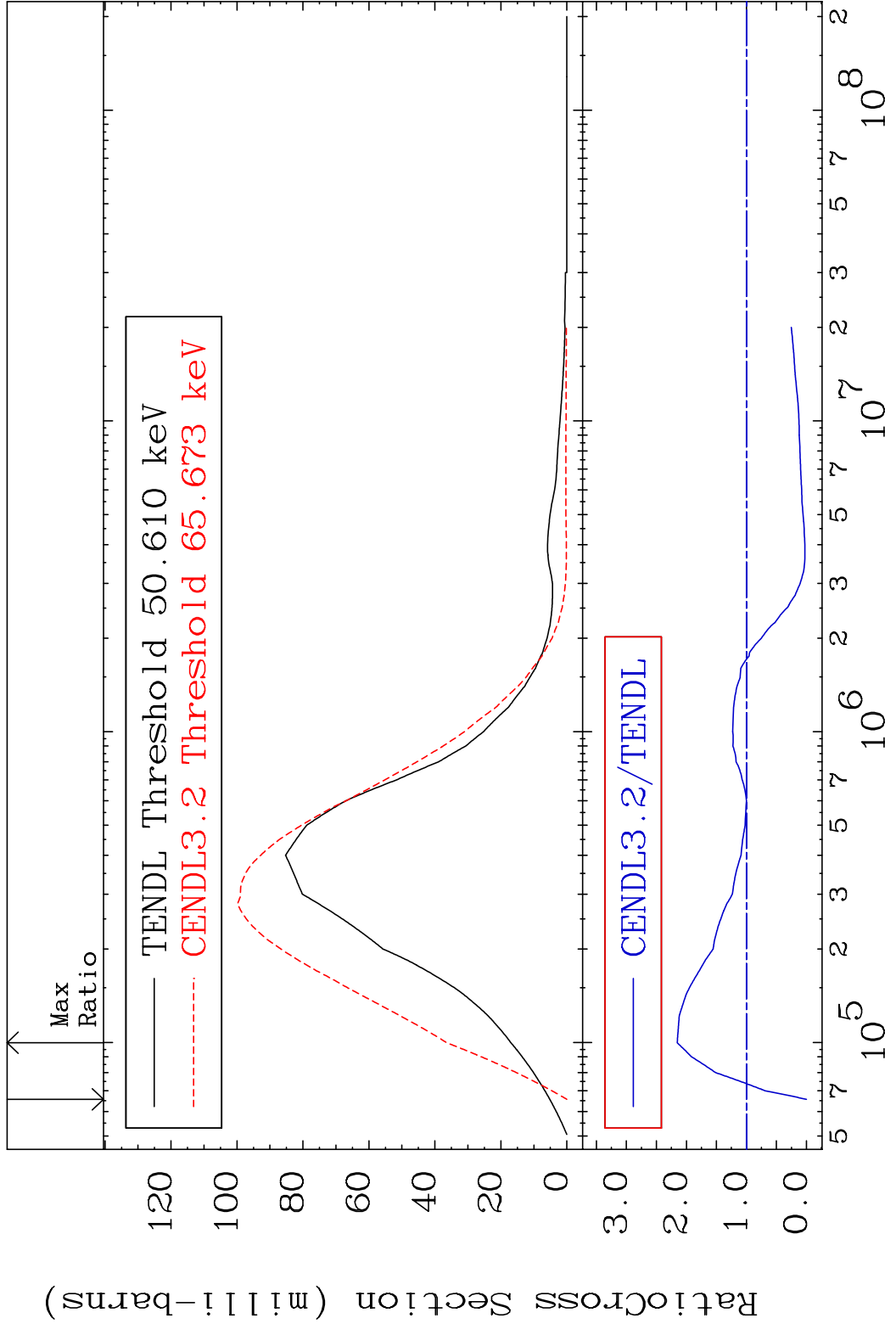


MAT 9547 MT= 54 (n, n') Level 95-Am-242m  
 Cross Section -99.98 To 78.57 %

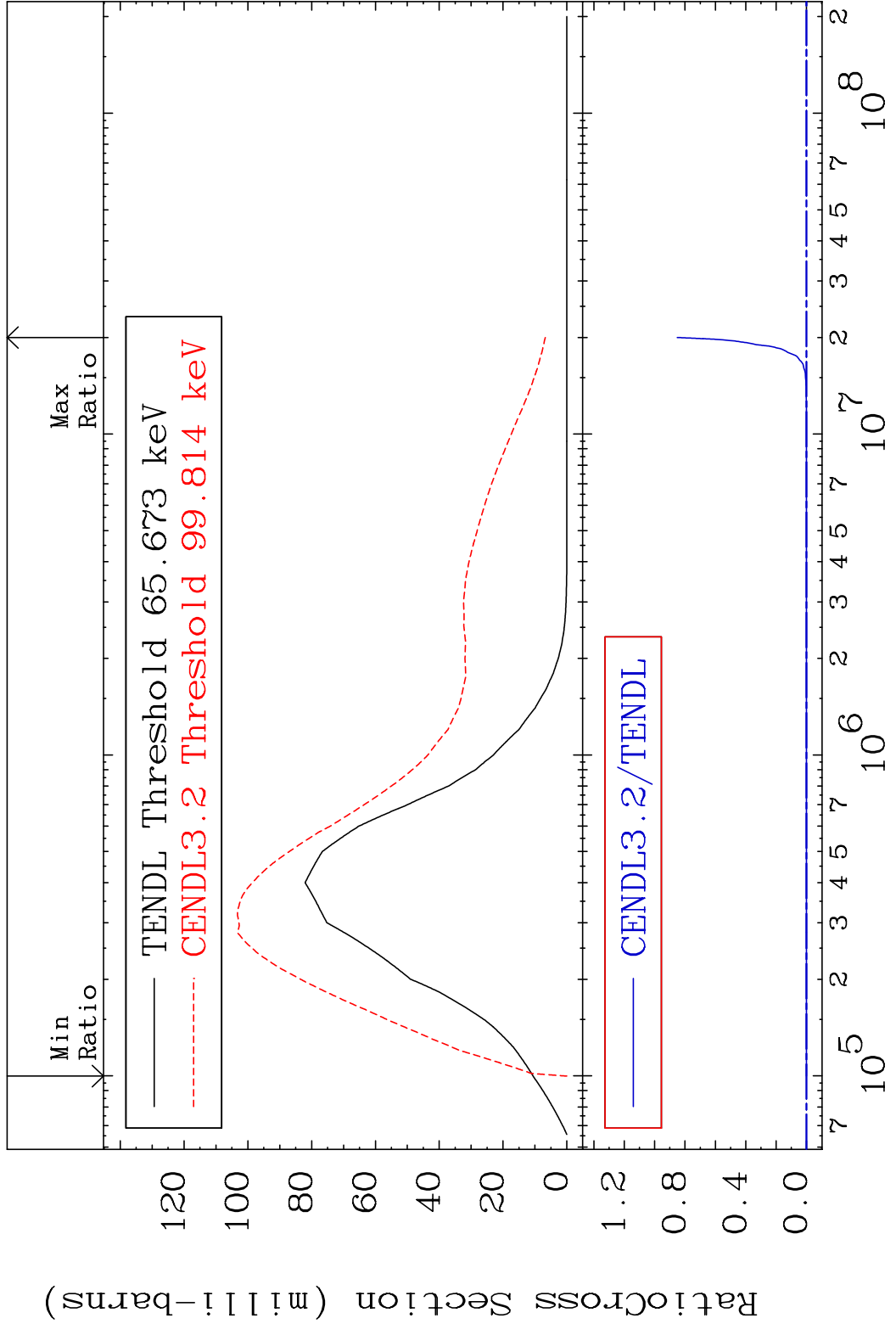


10 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 55 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 115.4 %

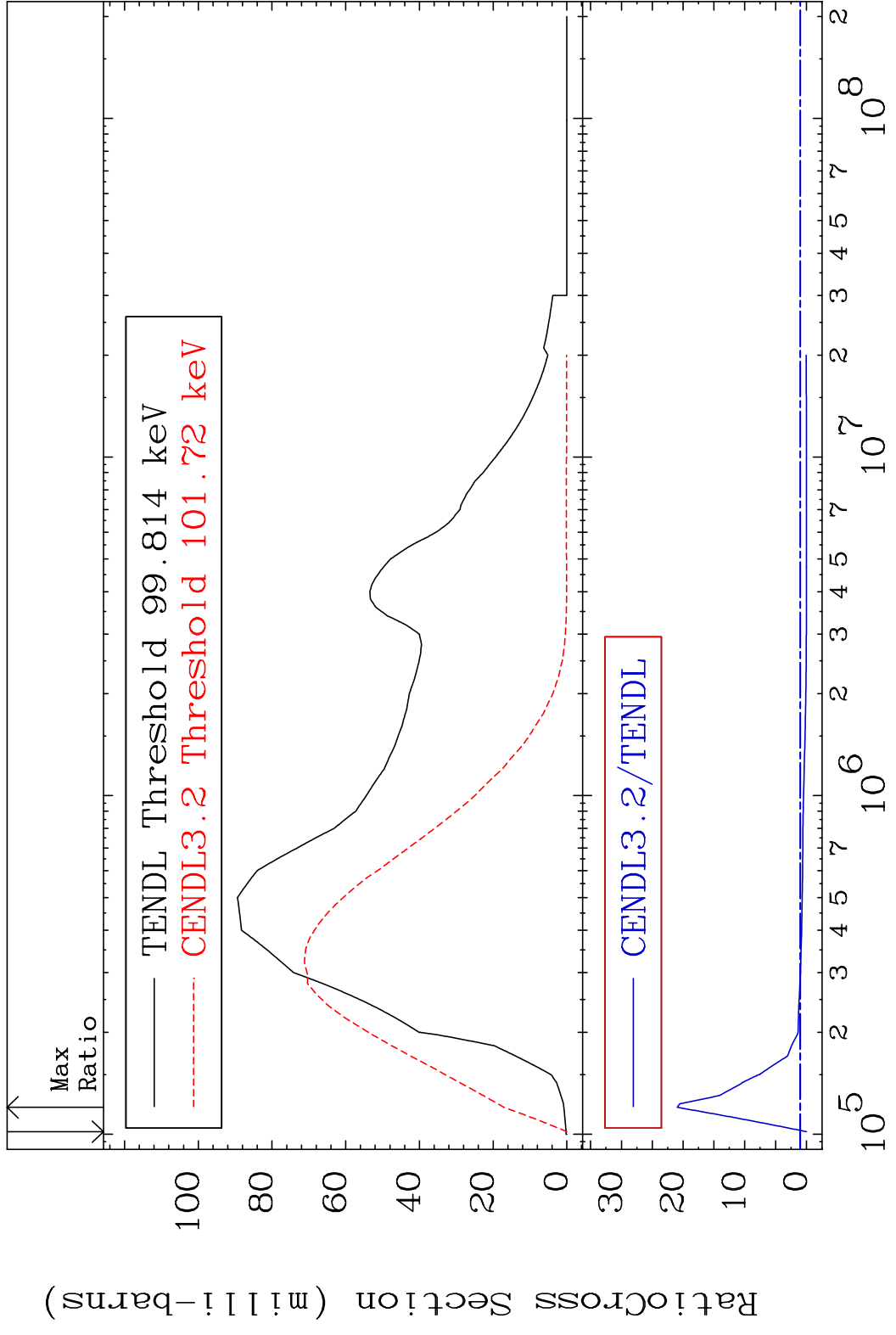


MAT 9547 MT= 56 (n,n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



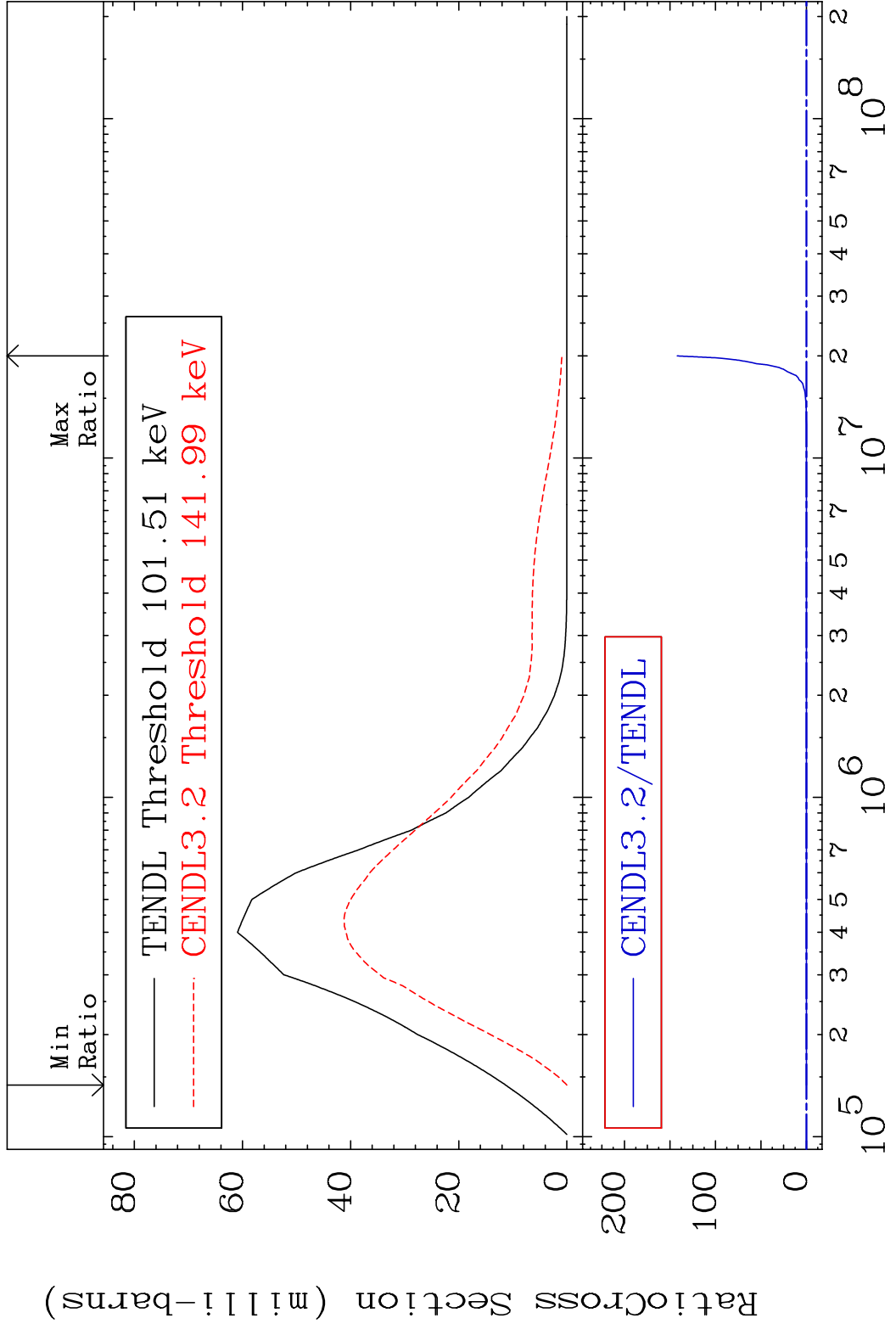
12 Incident Energy (eV) 95-Am-242m

MAT 9547 MT= 57 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 1996. %



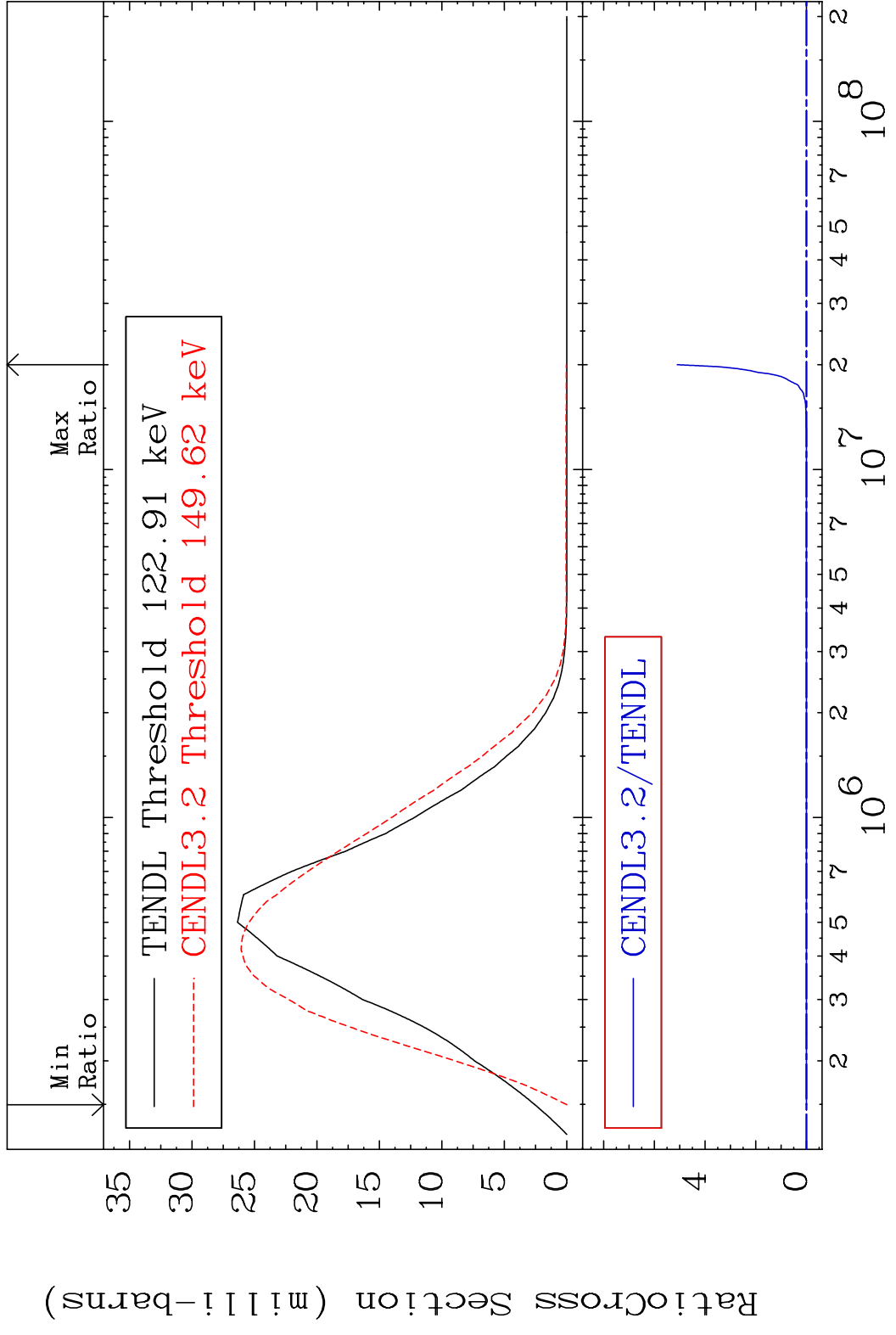
13 Incident Energy (eV) 95-Am-242m

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

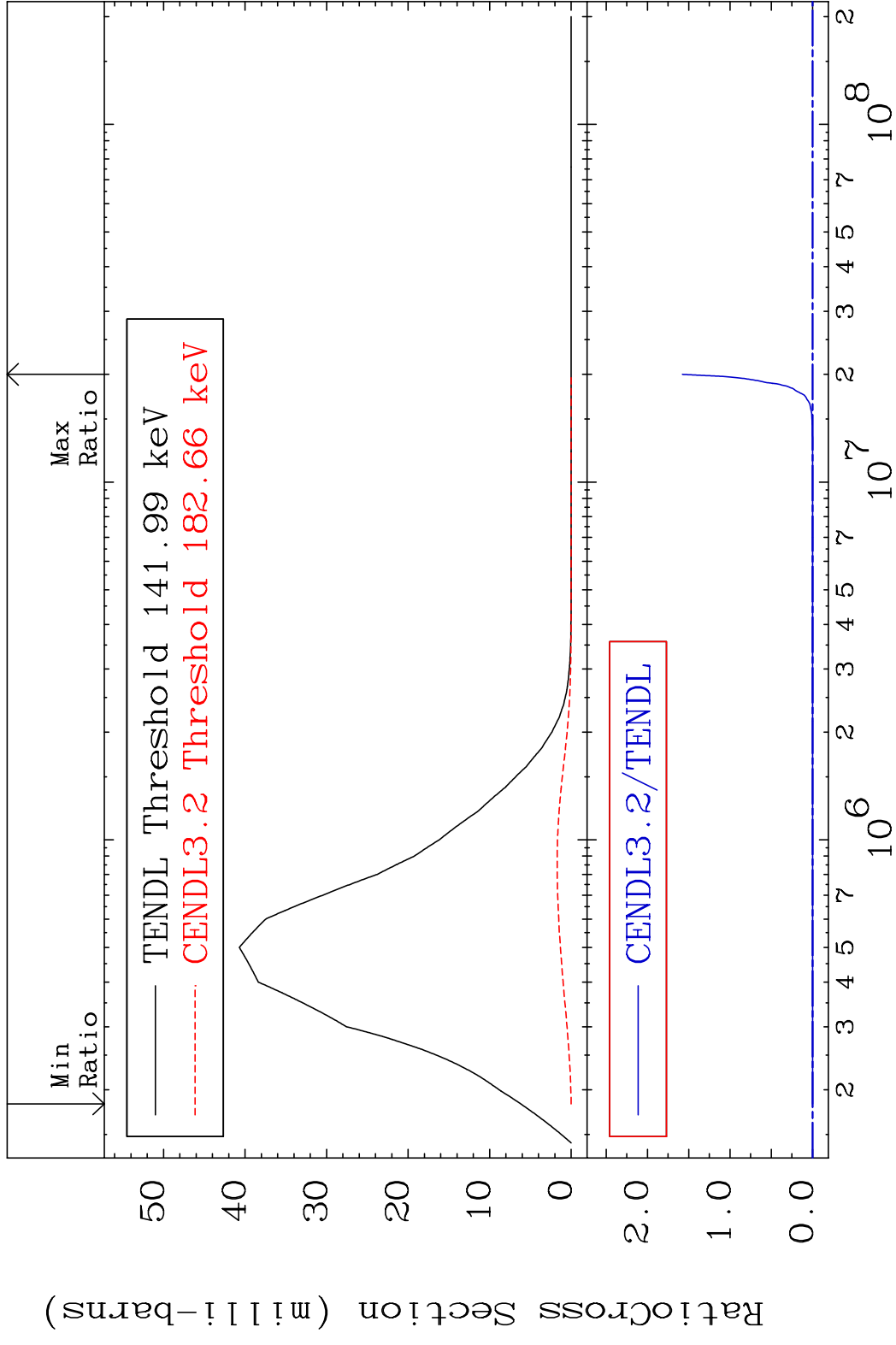


14 Incident Energy (eV) 95-Am-242m

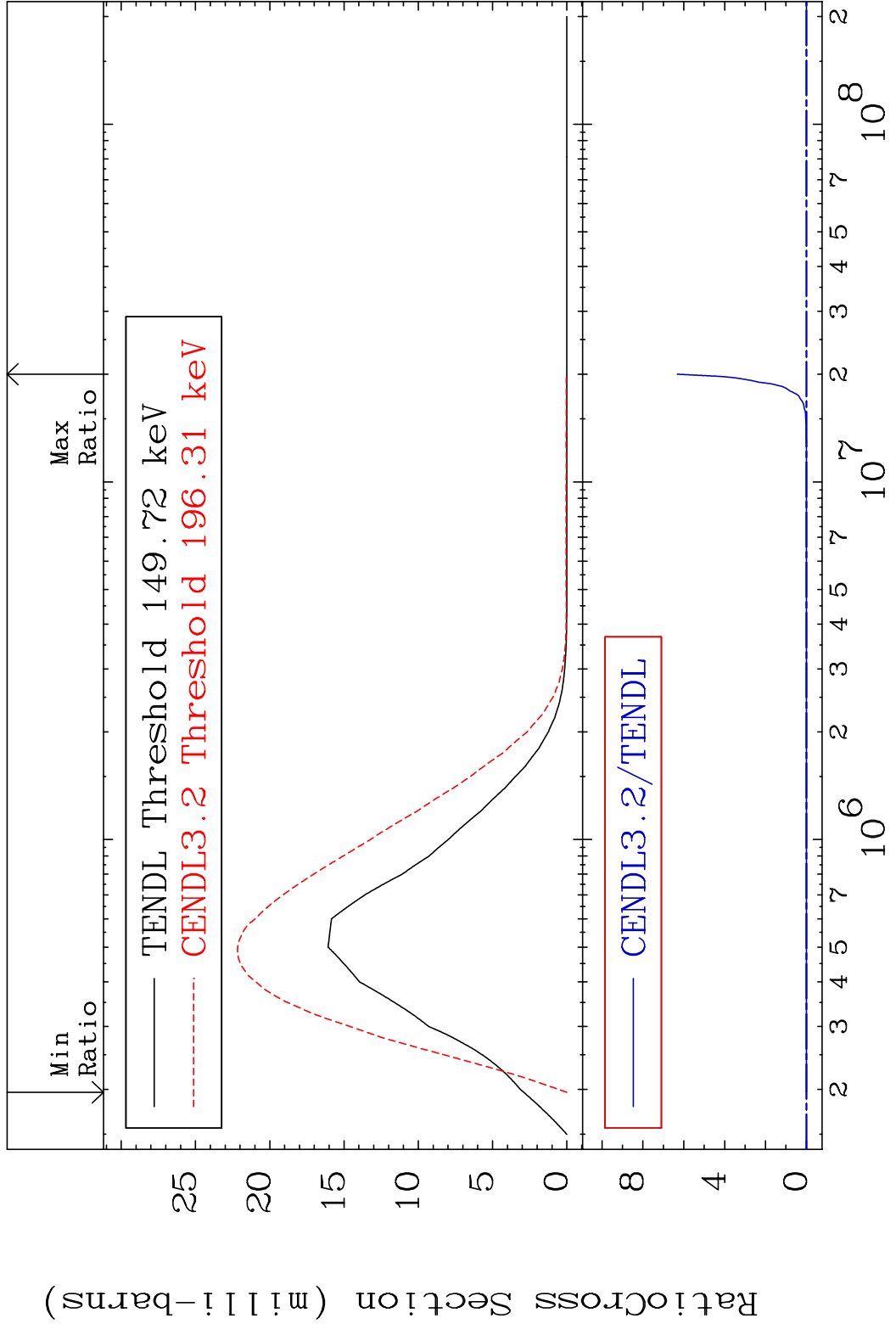
MAT 9547 MT= 59 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



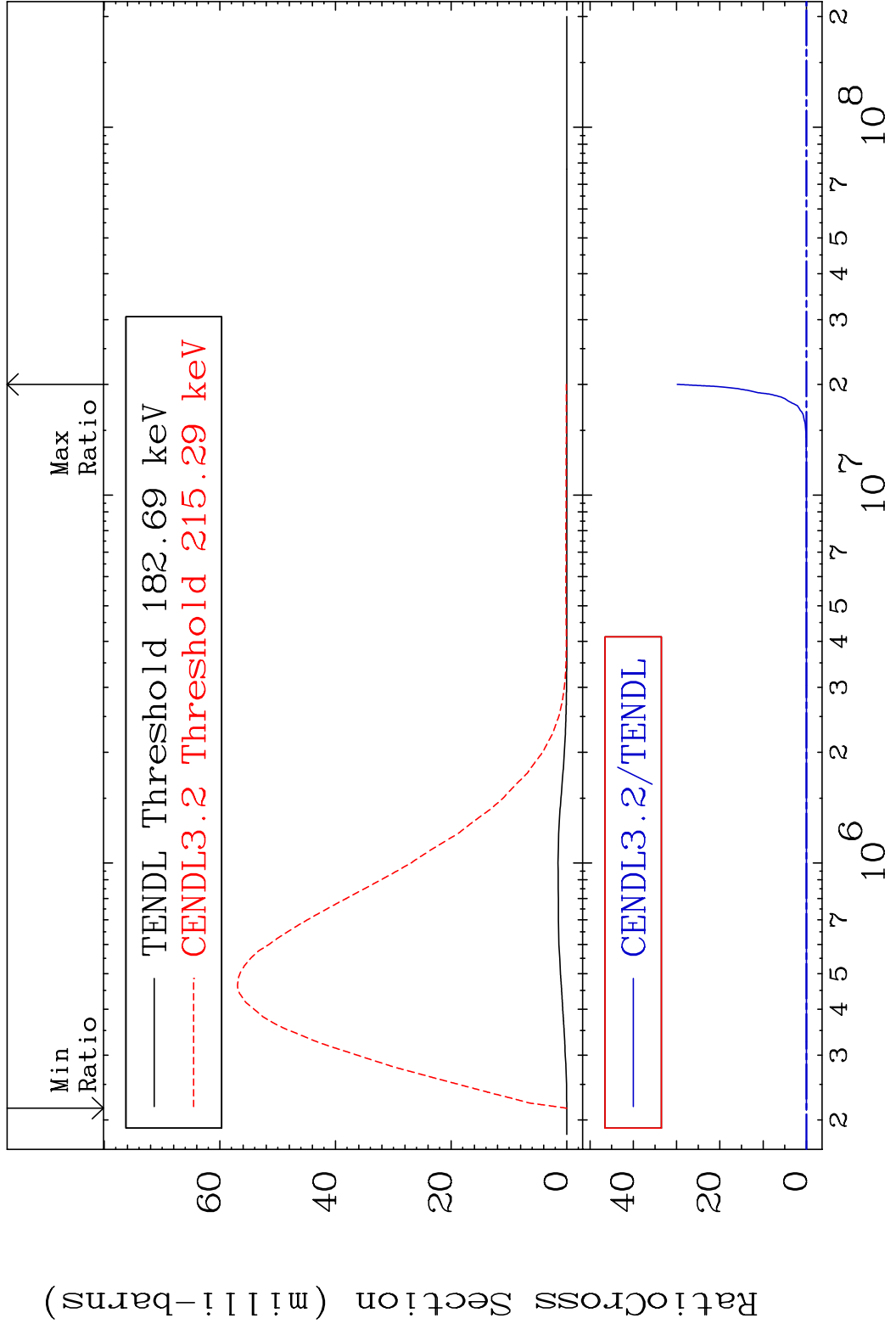
MAT 9547 MT= 60 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



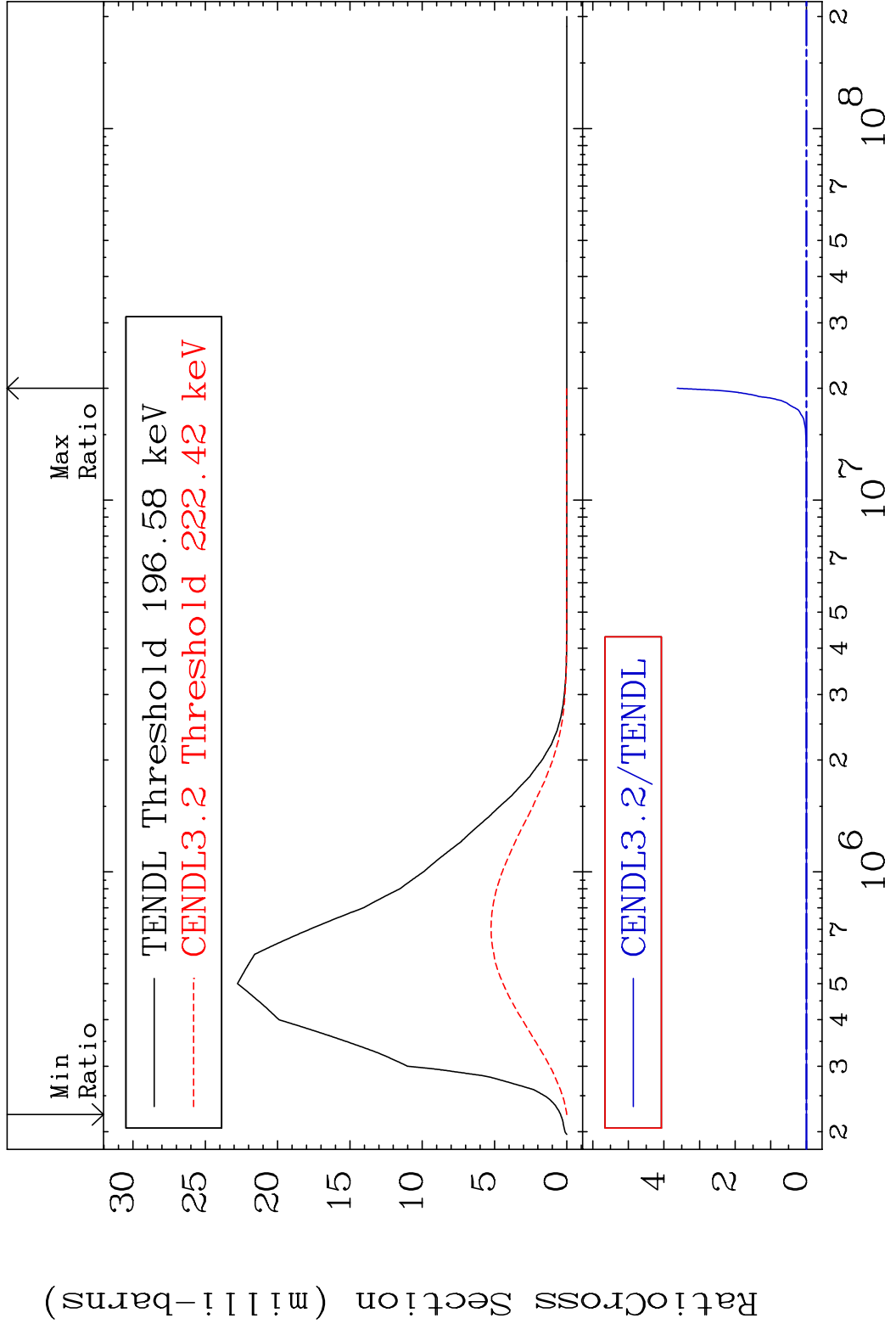
MAT 9547 MT= 61 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



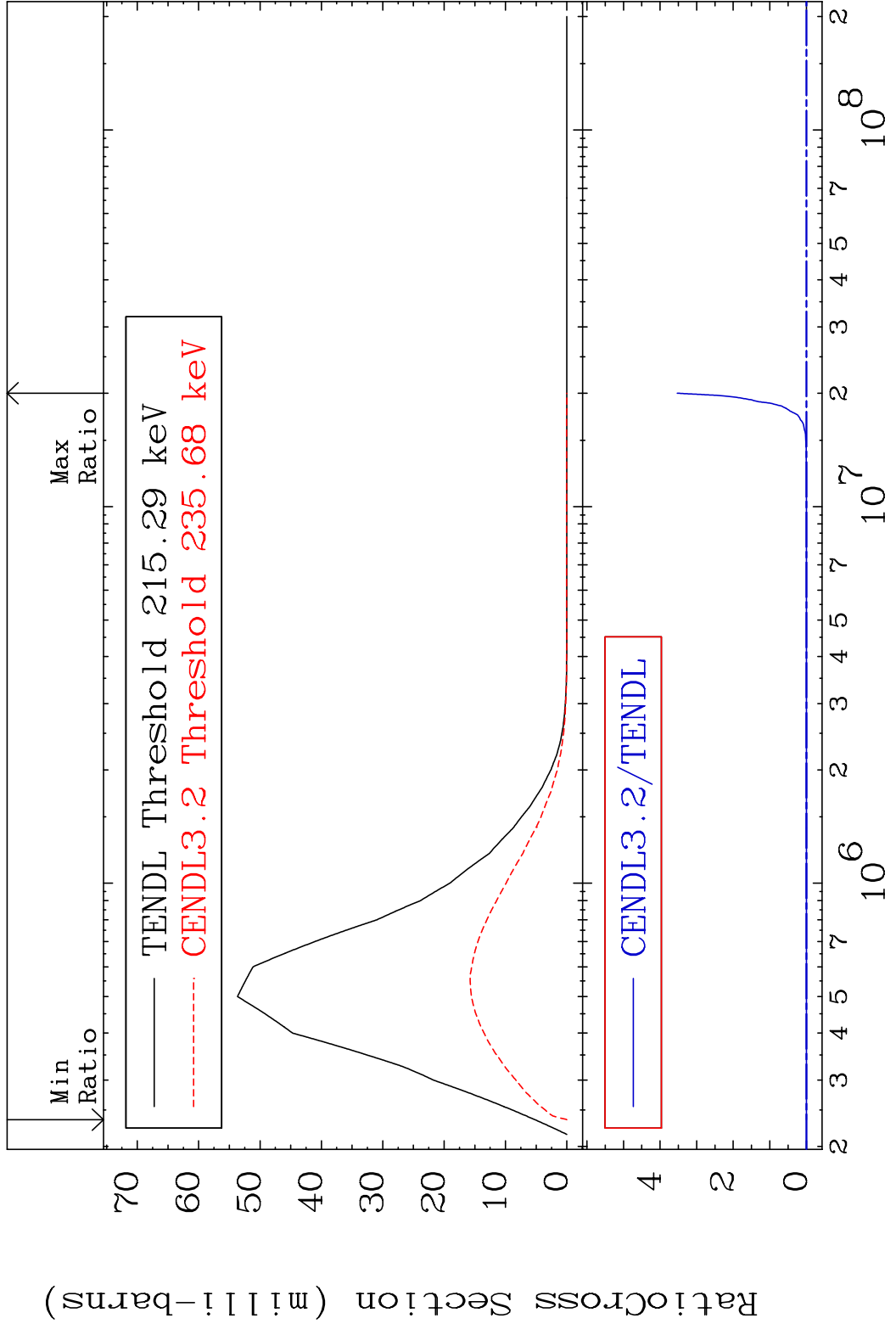
MAT 9547 MT= 62 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



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

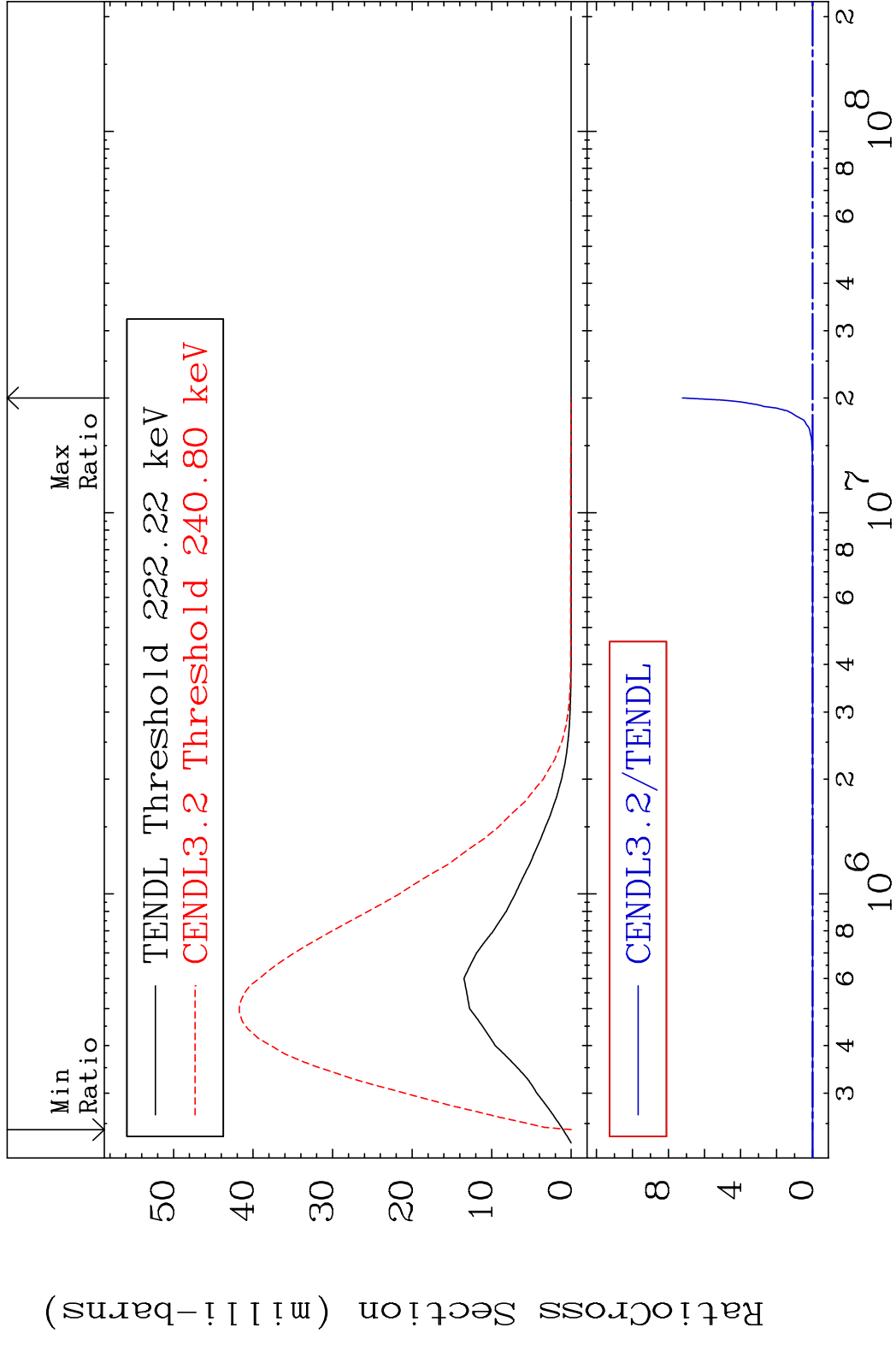


MAT 9547 MT= 64 (n,n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %

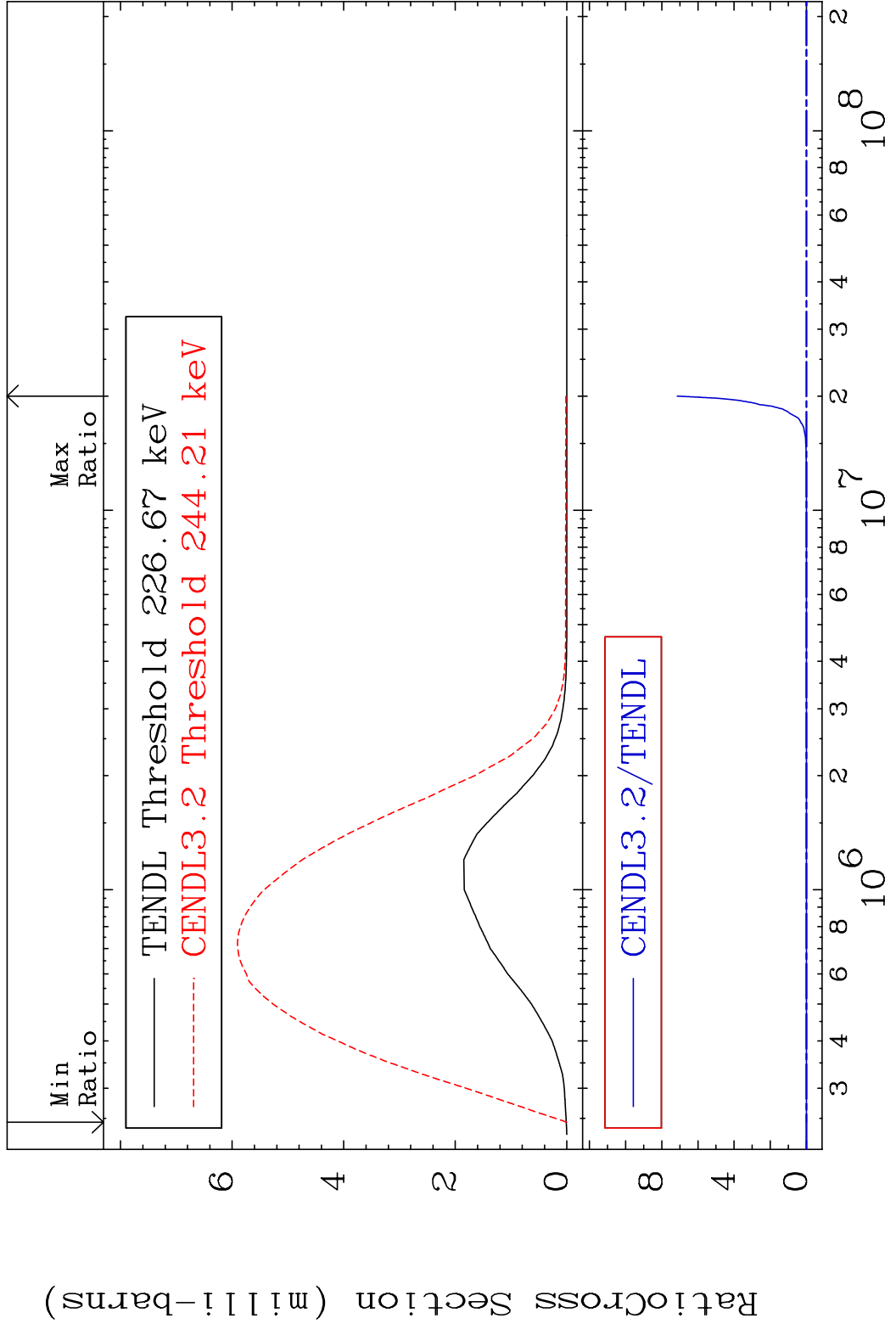


20 Incident Energy (eV) 95-Am-242m

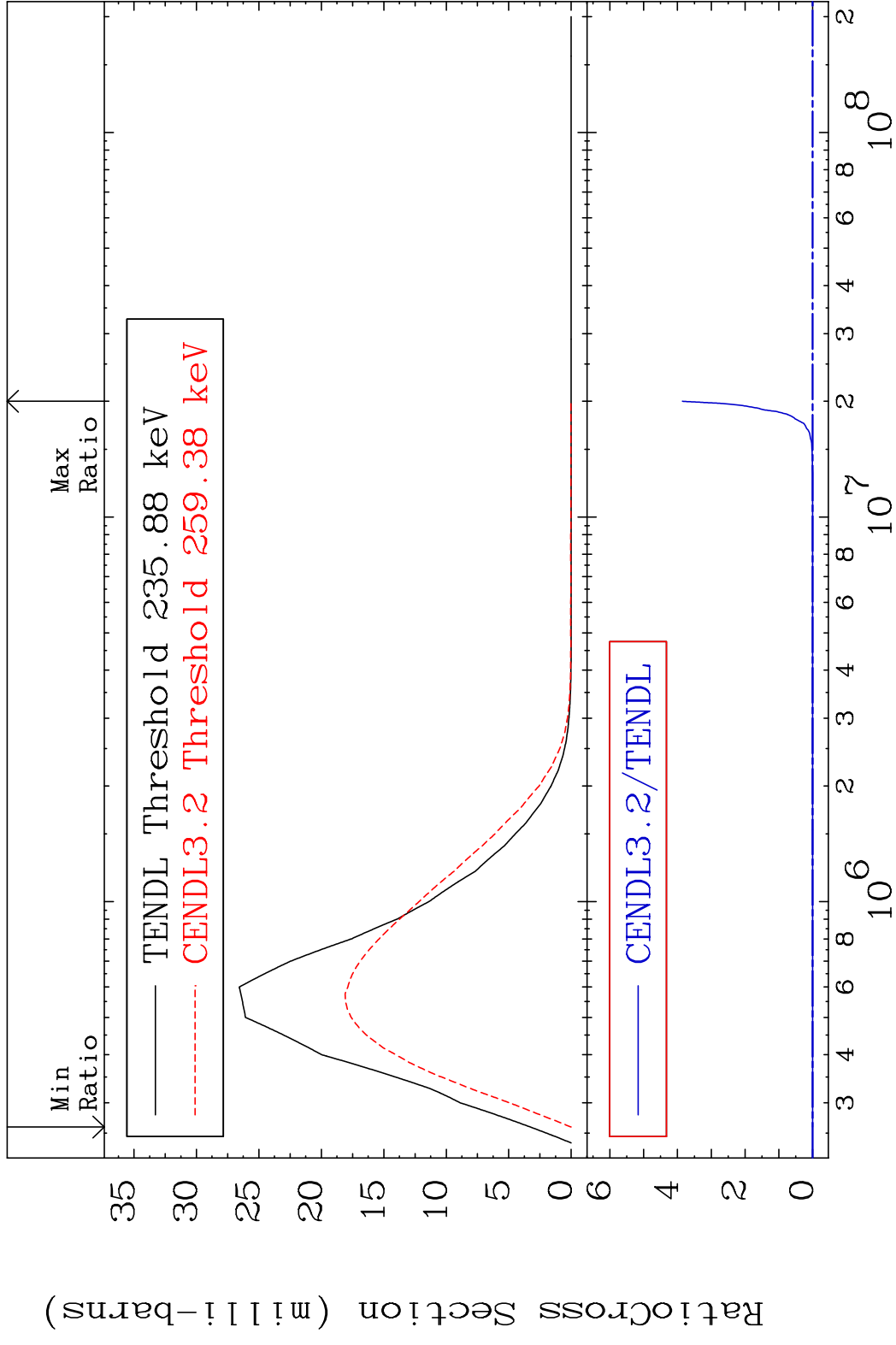
MAT 9547 MT= 65 (n,n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



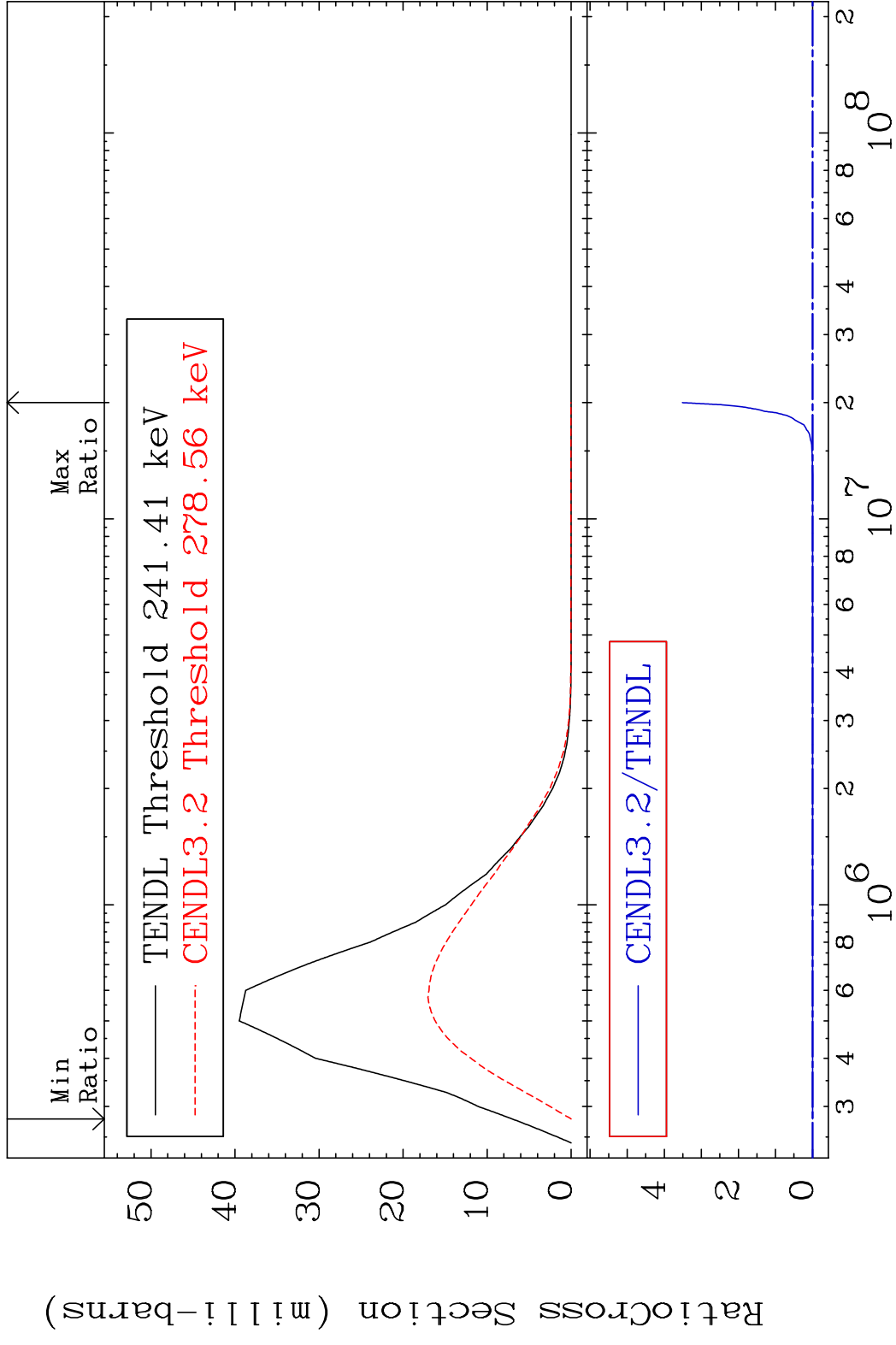
MAT 9547 MT= 66 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



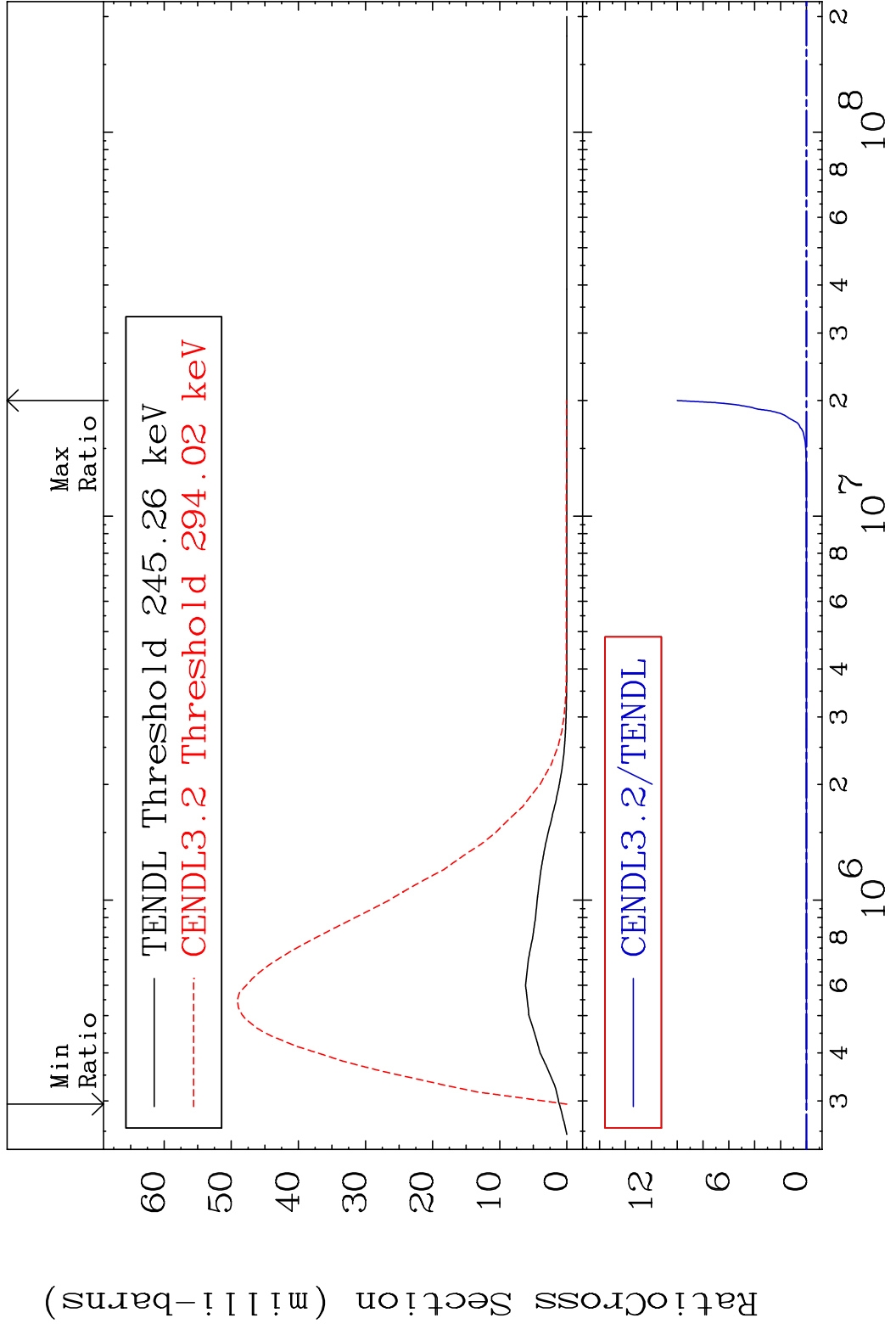
MAT 9547 MT= 67 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



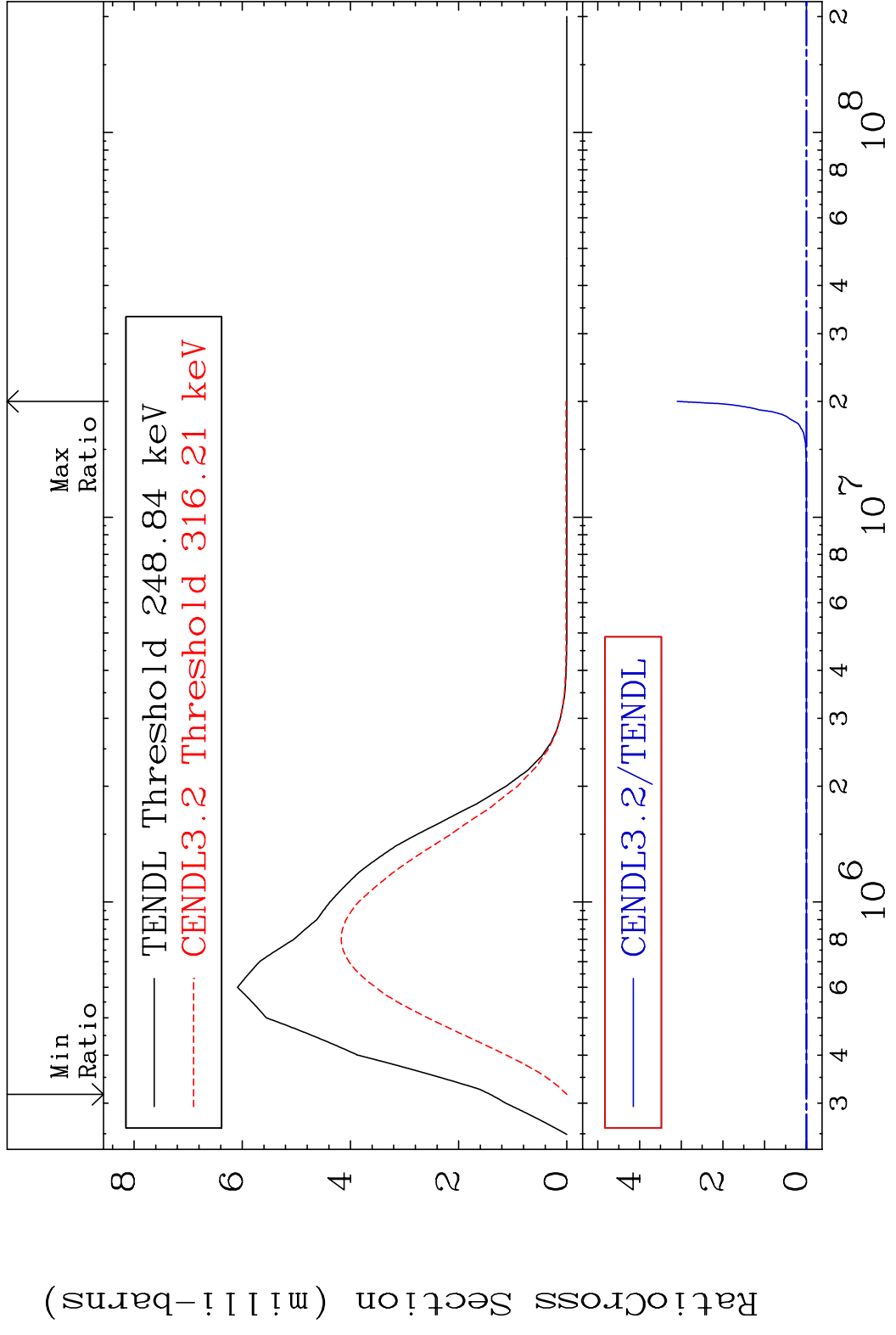
MAT 9547 MT= 68 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



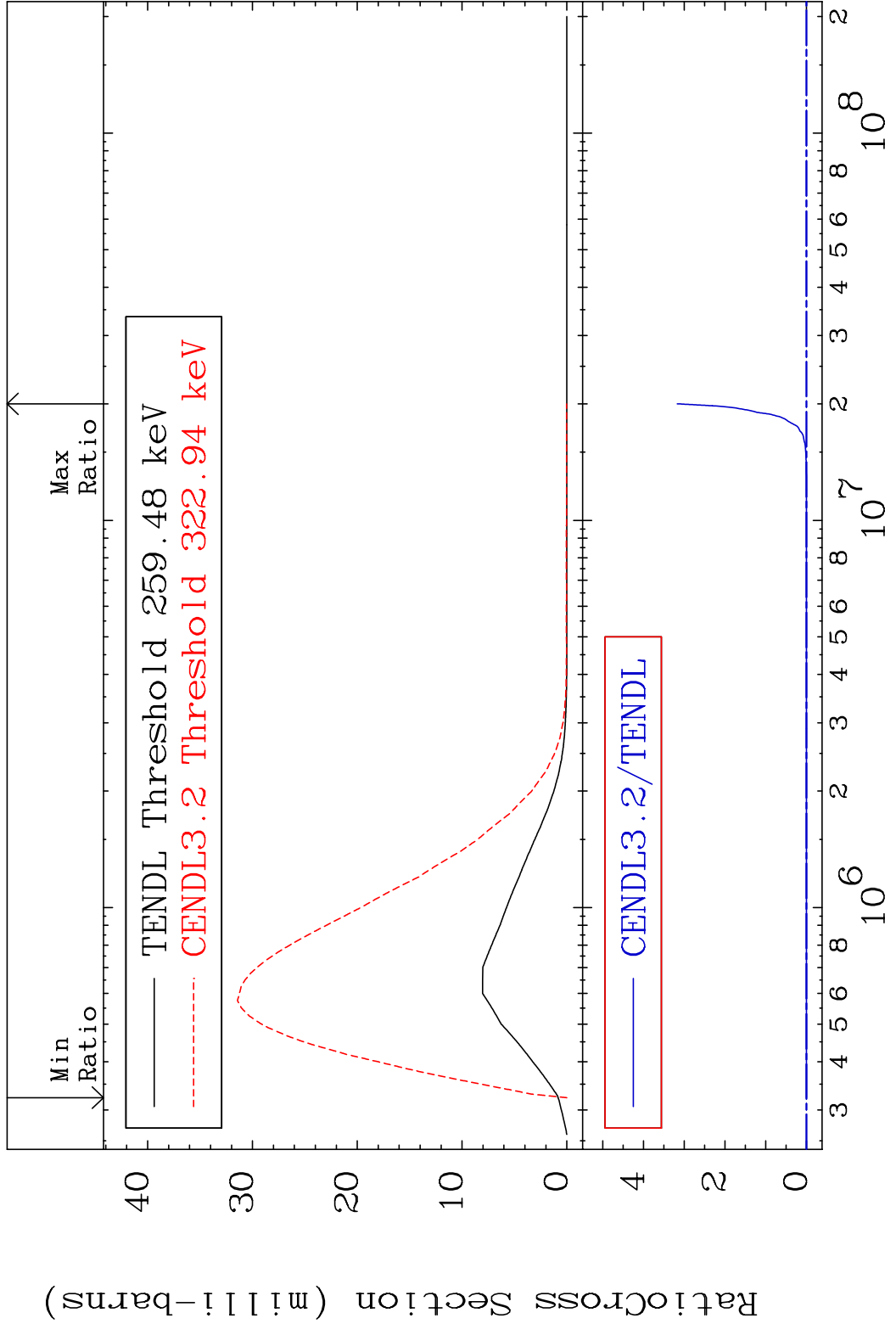
MAT 9547 MT= 69 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



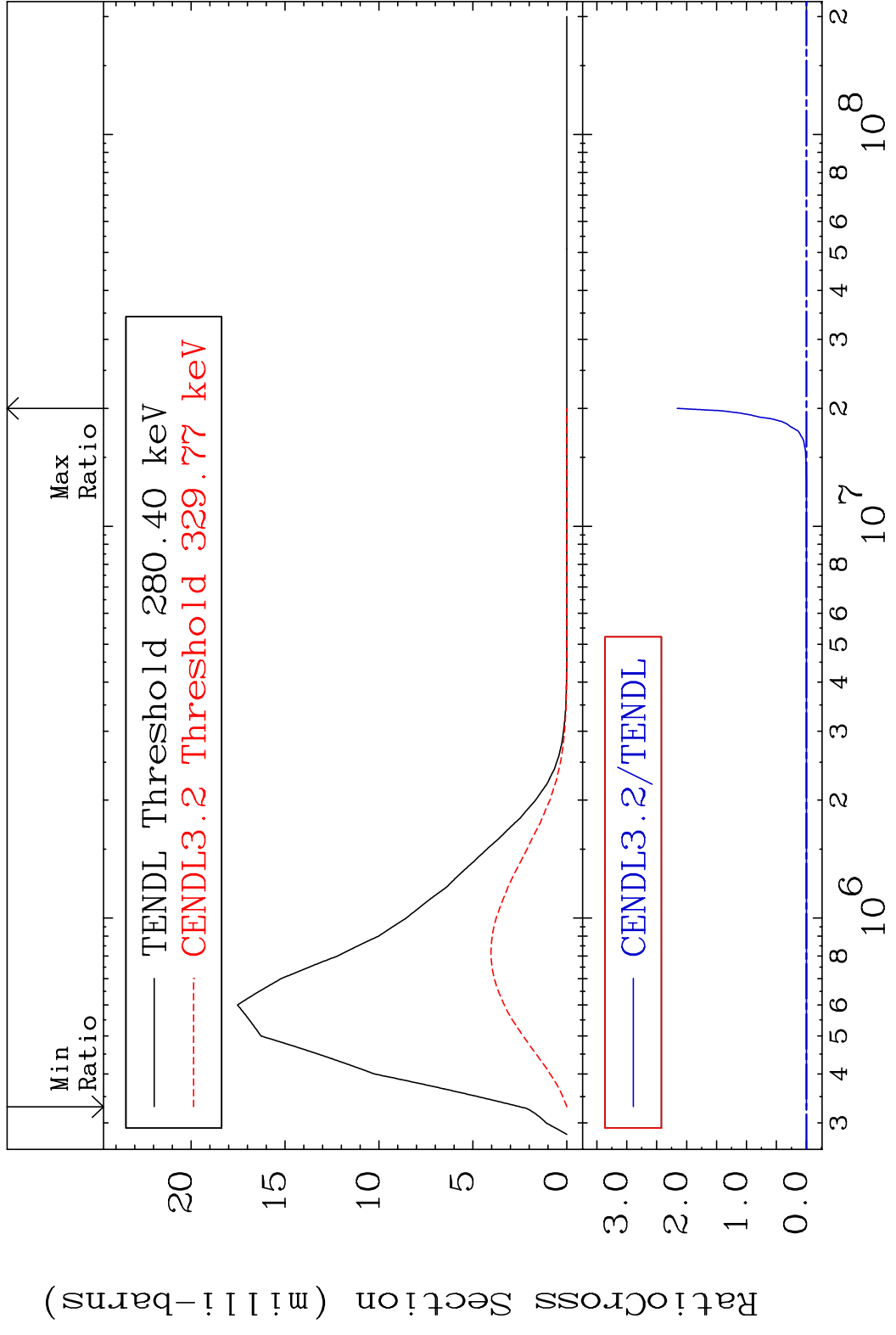
MAT 9547 MT= 70 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



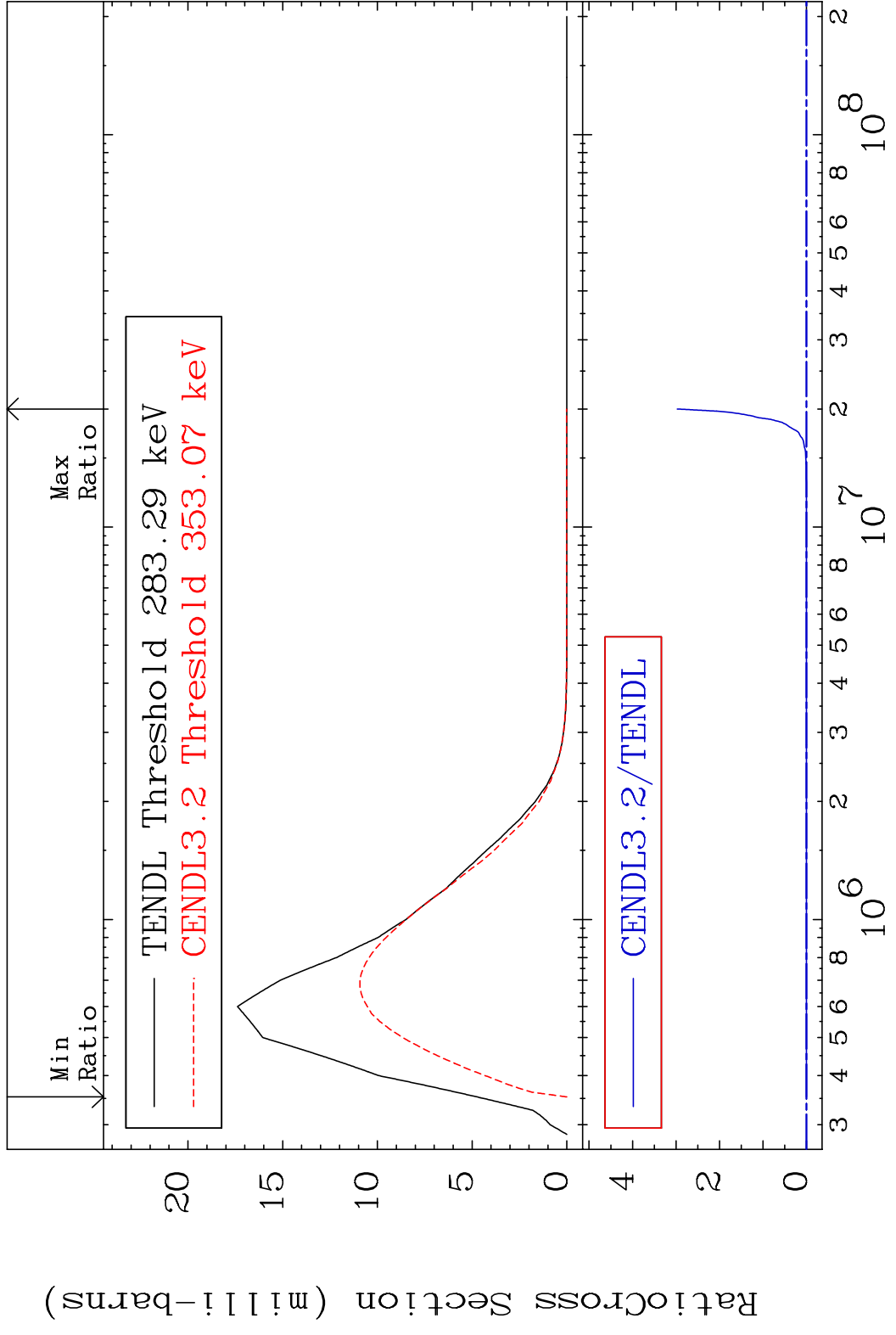
MAT 9547 MT= 71 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



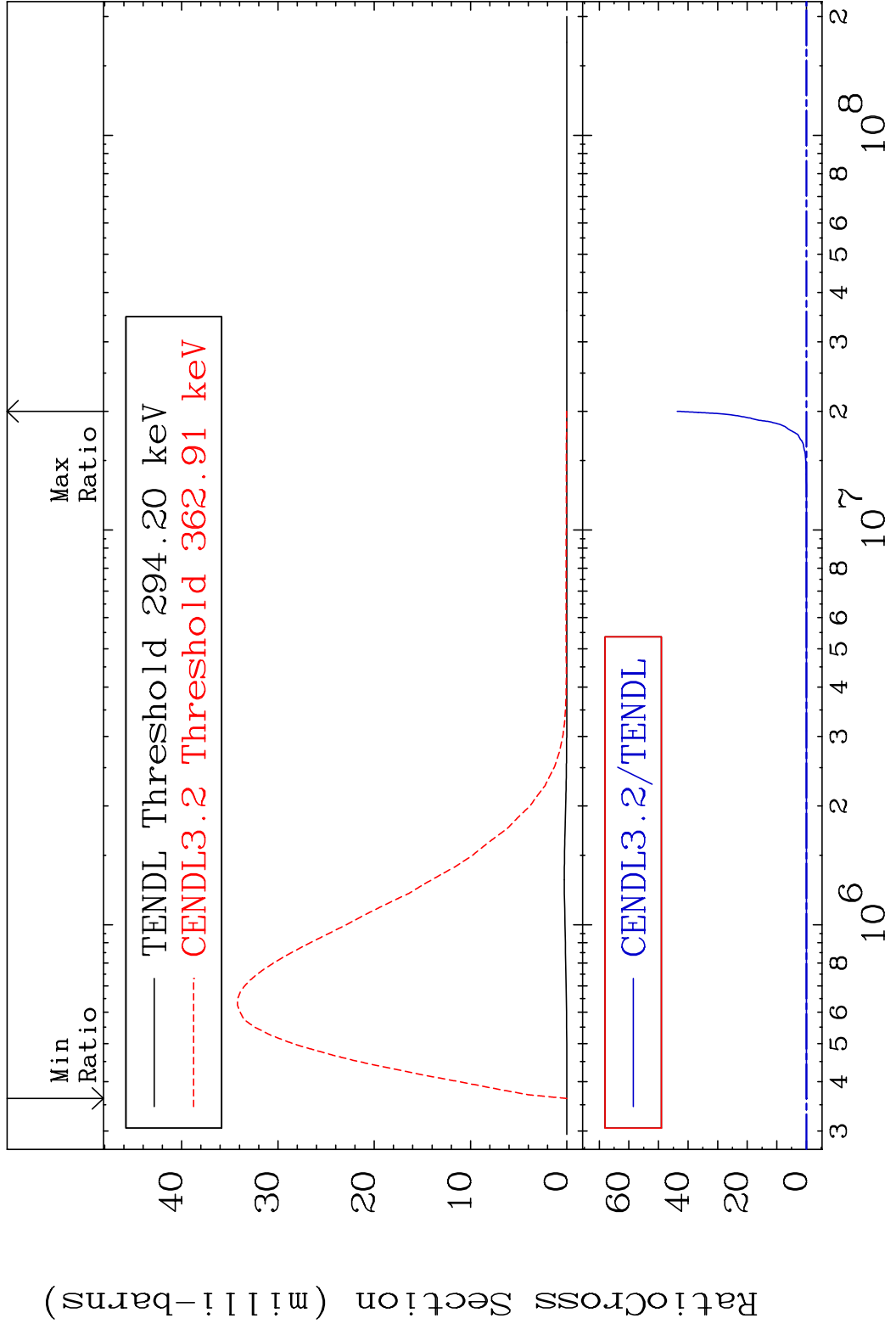
MAT 9547 MT= 72 (n,n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



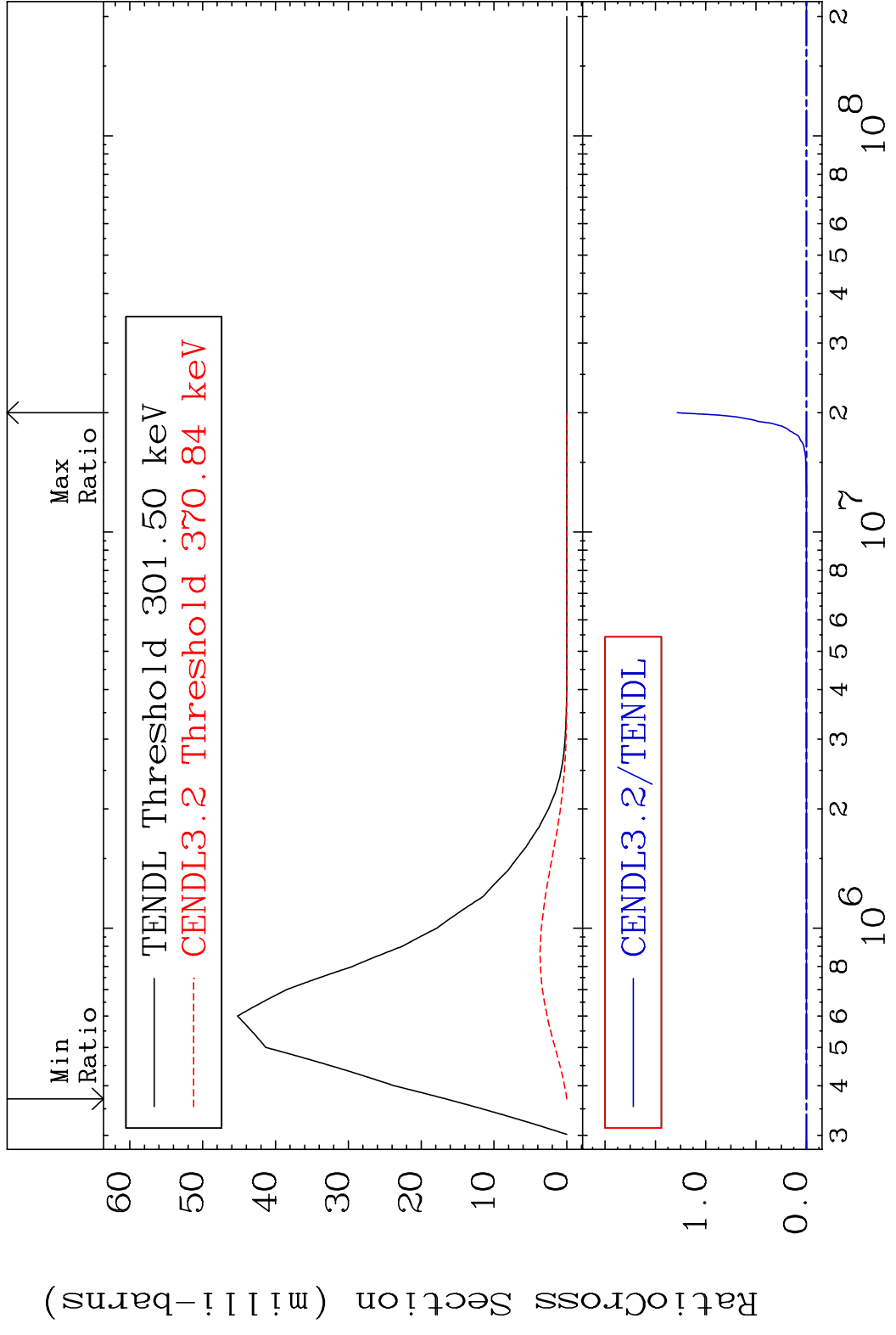
MAT 9547 MT= 73 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



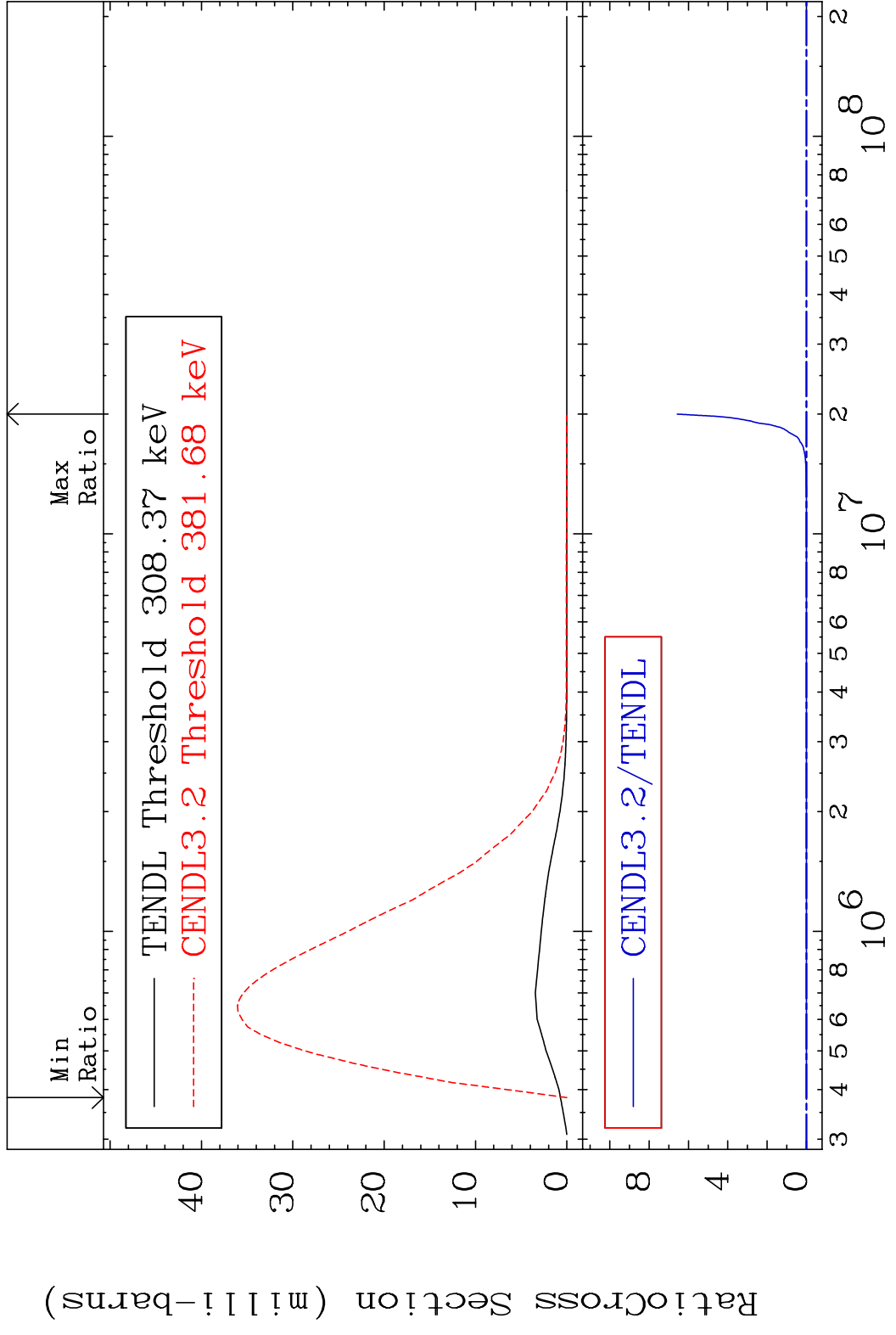
MAT 9547 MT= 74 (n,n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



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

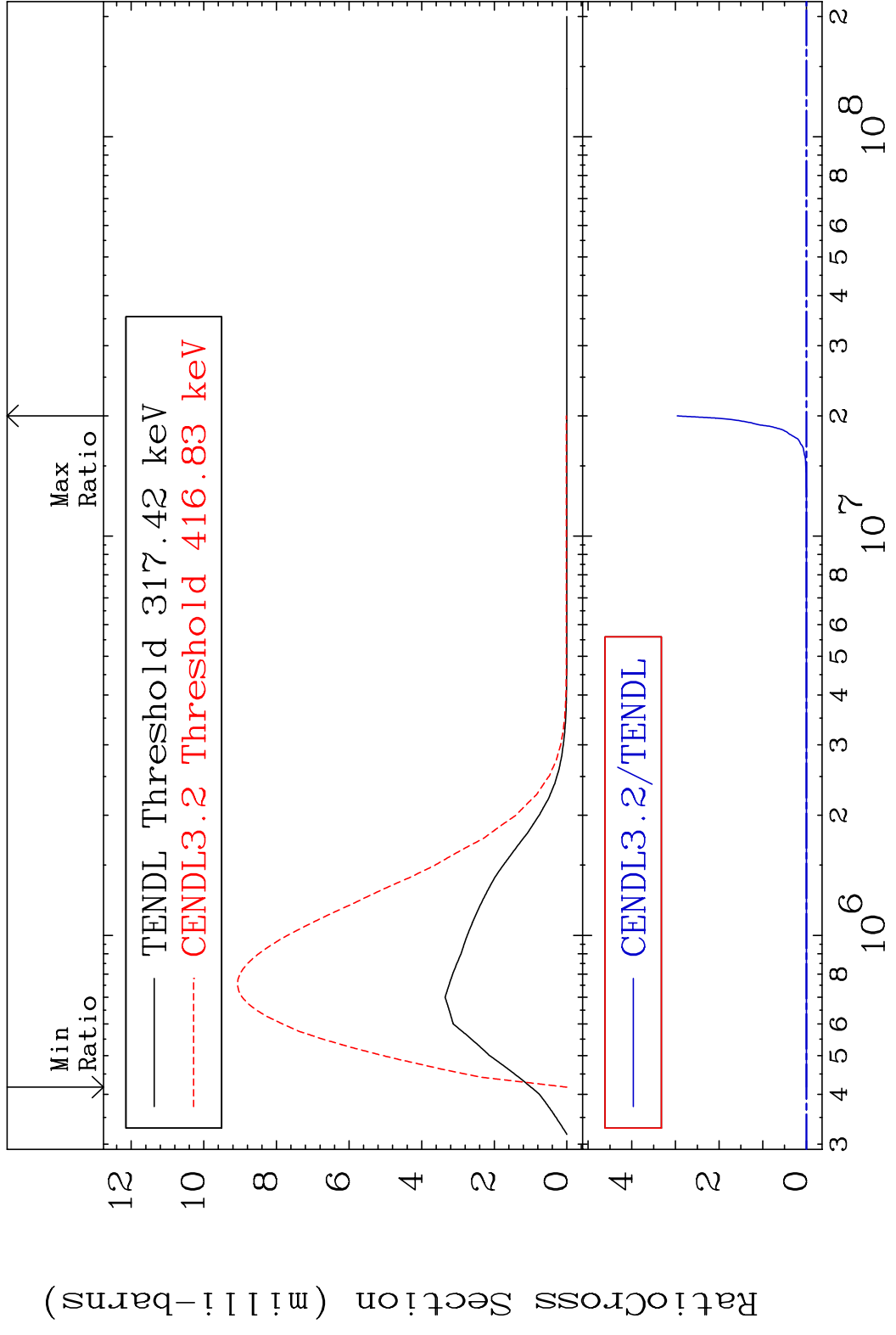


MAT 9547 MT= 76 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %

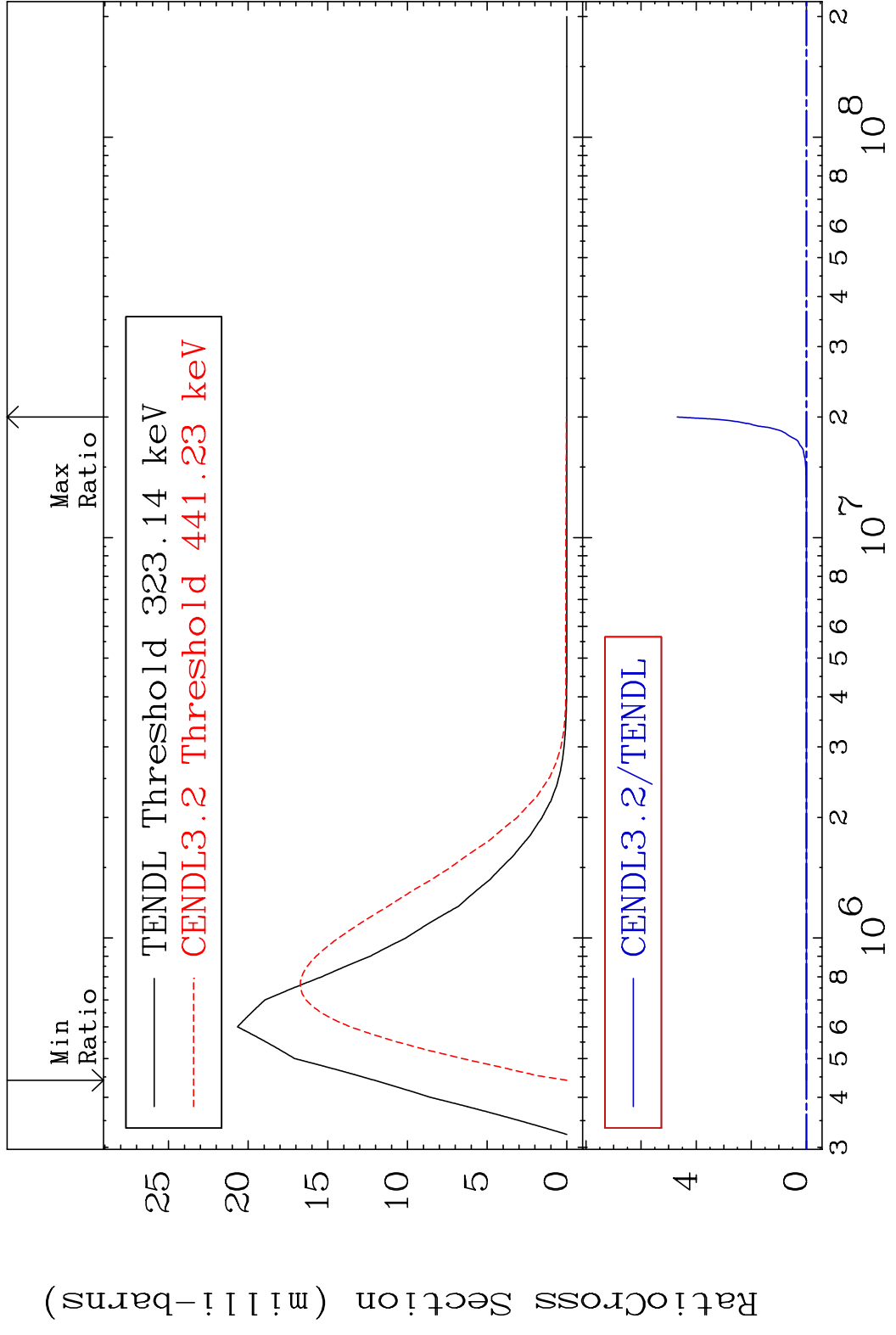


32 Incident Energy (eV) 95-Am-242m

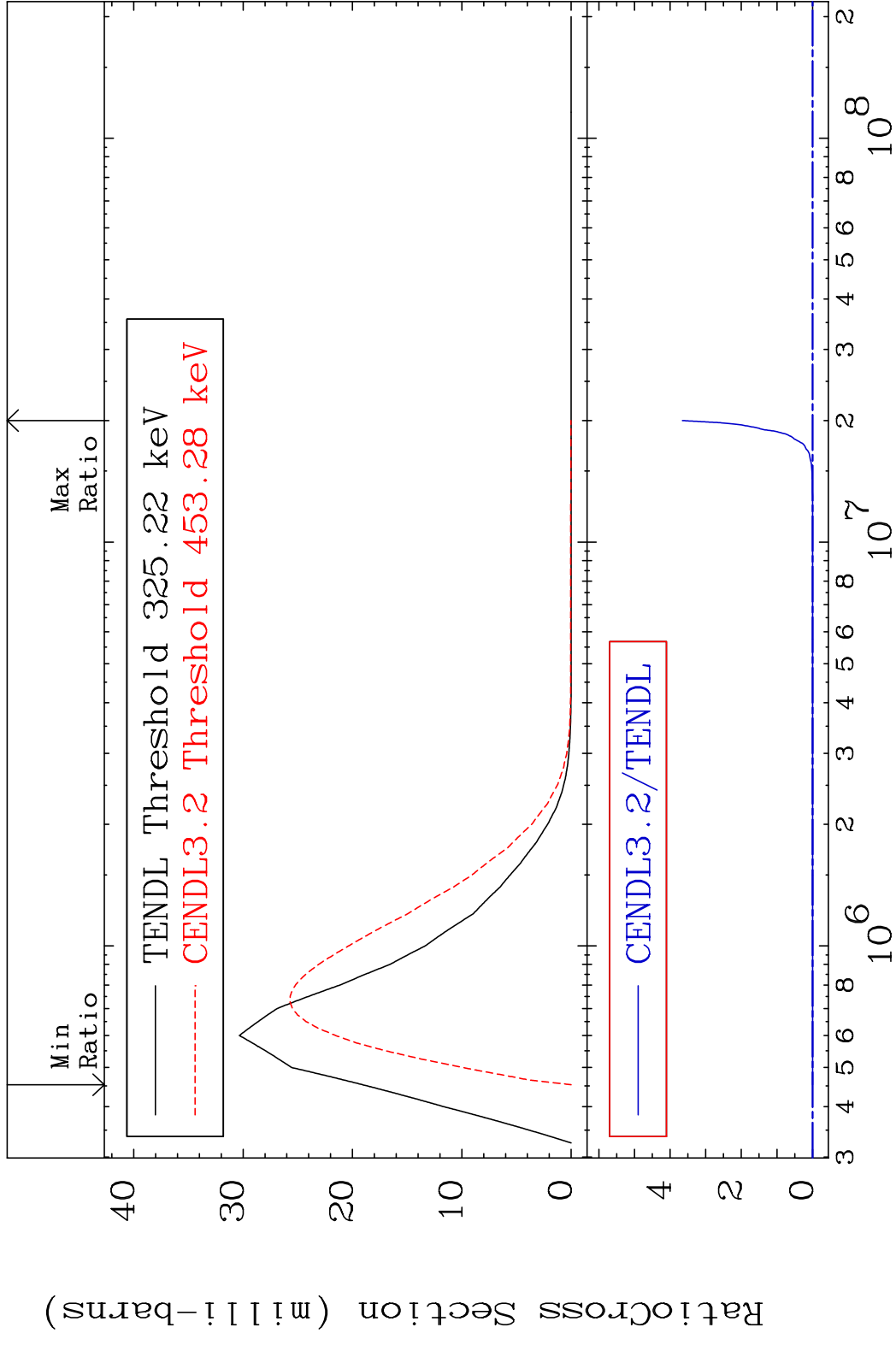
MAT 9547 MT= 77 (n, n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



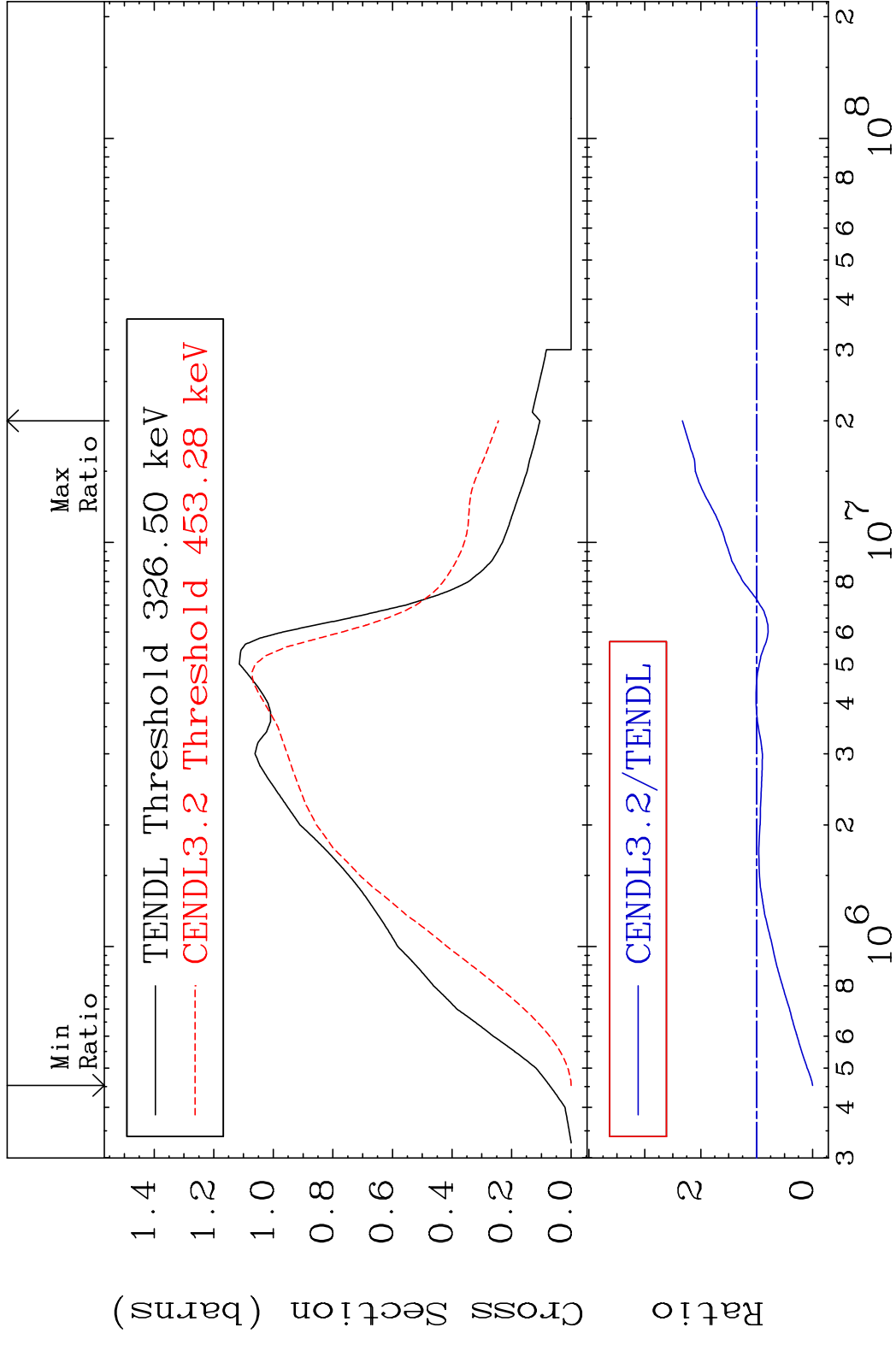
MAT 9547 MT= 78 (n,n') Level 95-Am-242m  
 Cross Section -100.0 To 9999. %



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 132.9 %

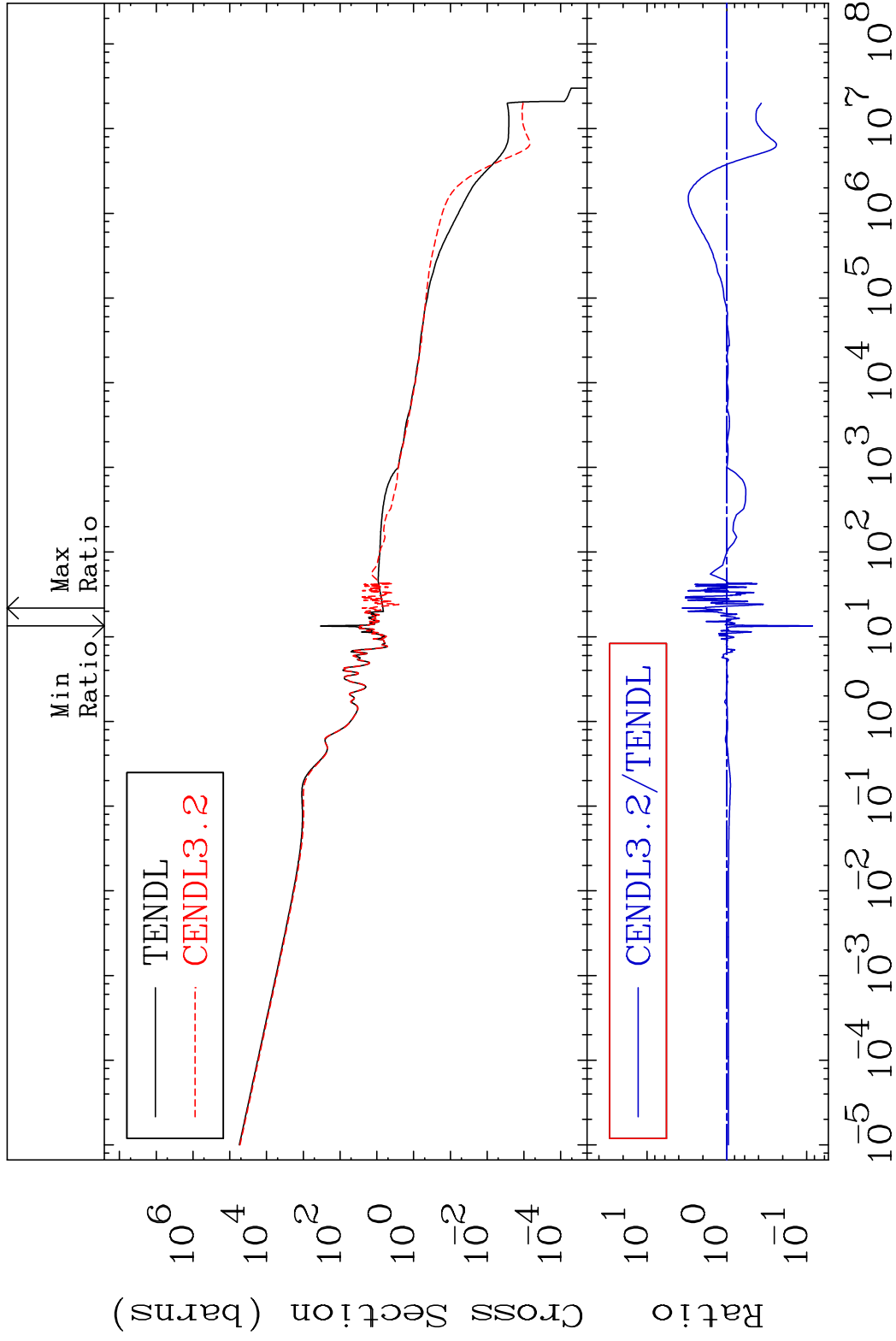


MAT 9547

(n,  $\gamma$ )

95-Am-242m

Cross Section -91.56 To 261.4 %



37

Incident Energy (eV)

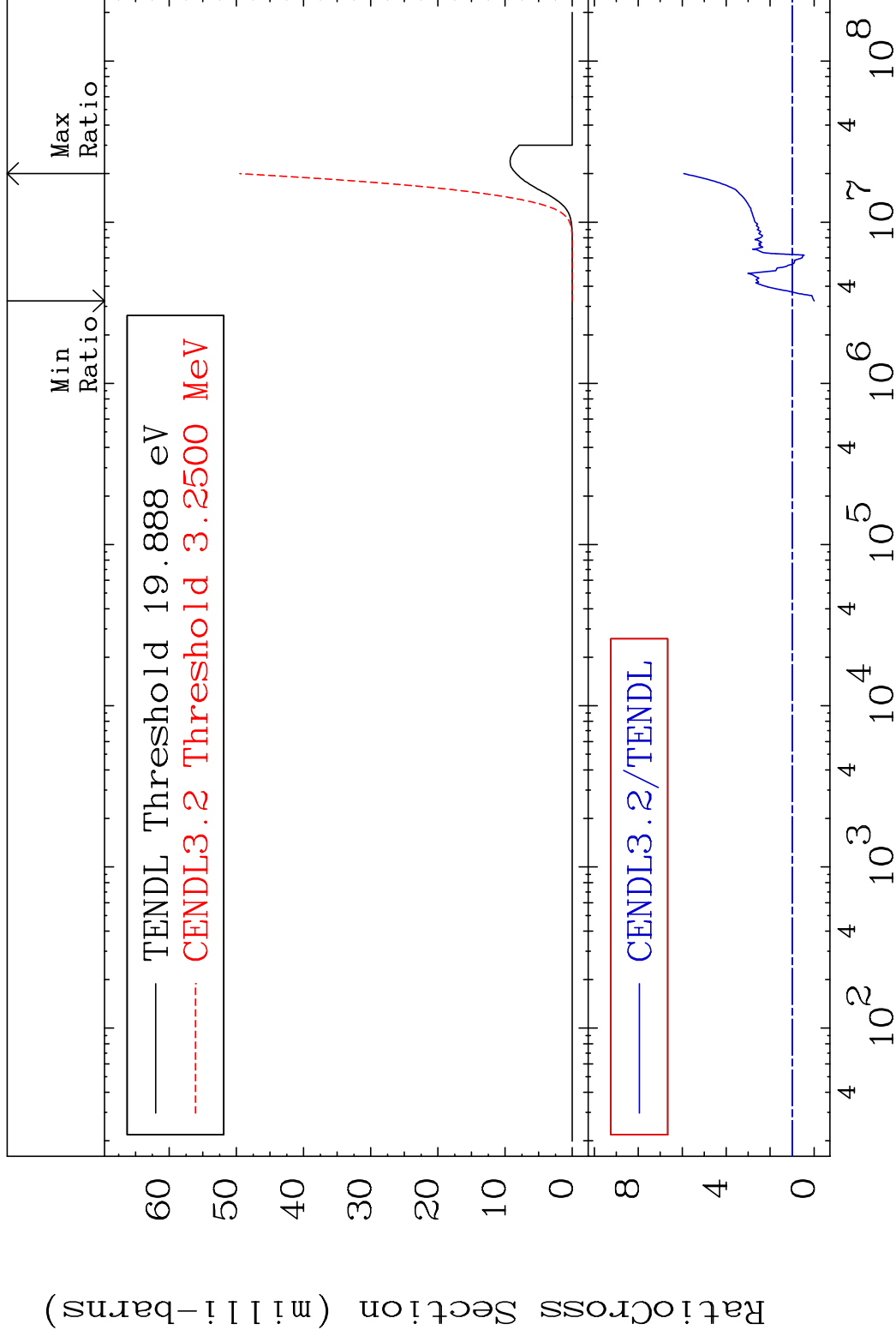
95-Am-242m

MAT 9547

(n, p)

95-Am-242m

Cross Section -100.0 To 493.4 %



38

Incident Energy (eV)

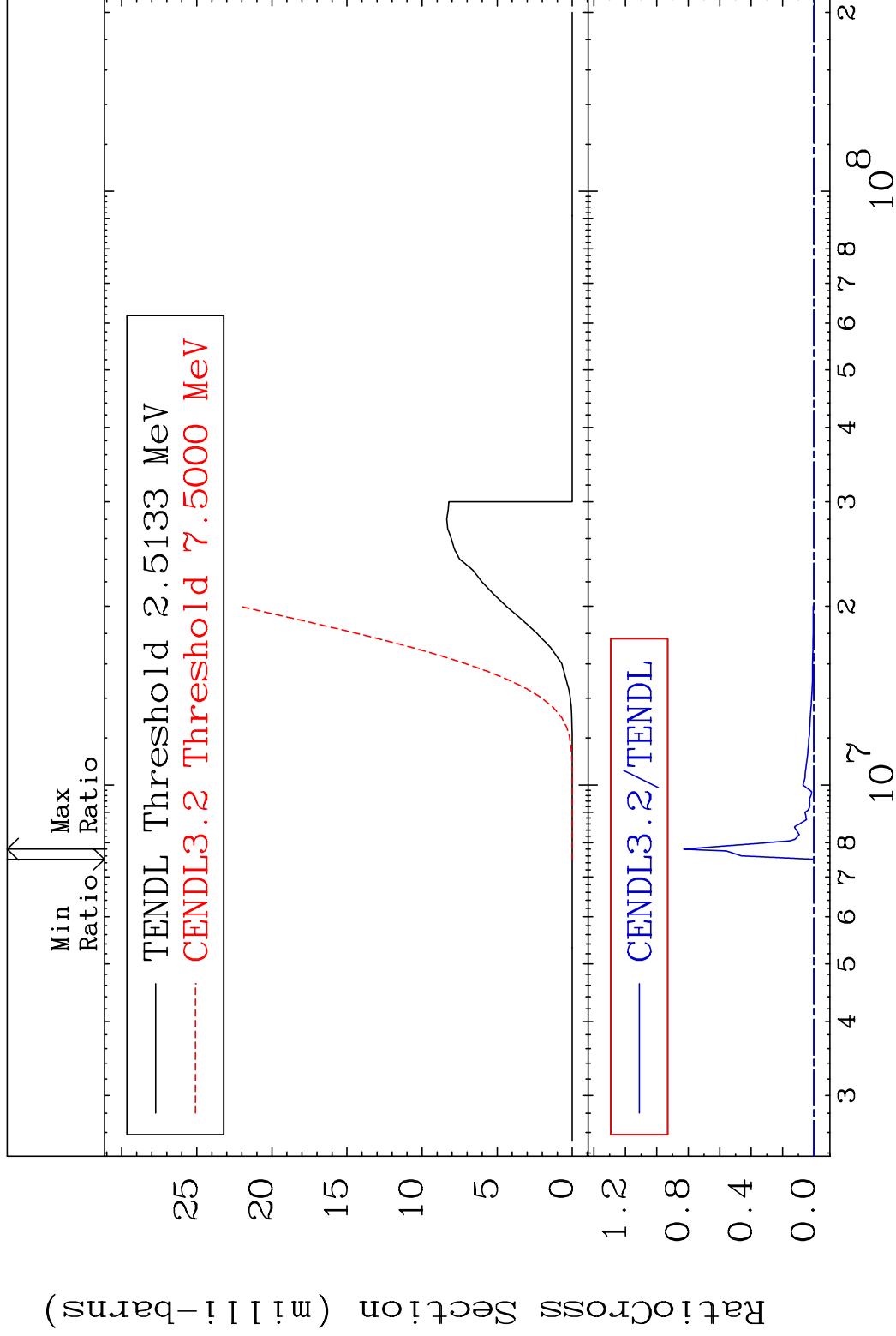
95-Am-242m

MAT 9547

(n, d)

95-Am-242m

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

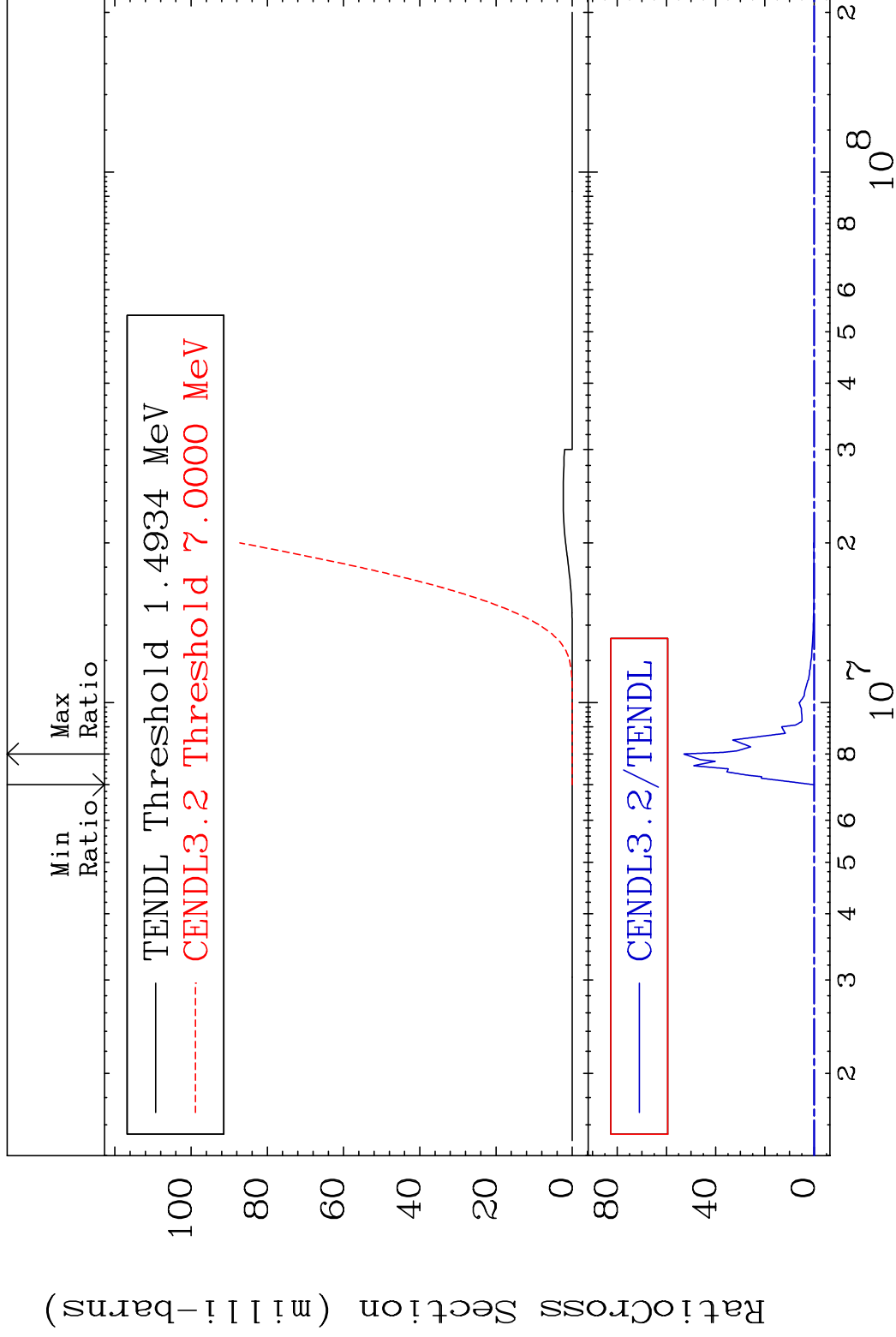
95-Am-242m

MAT 9547

(n, t)

95-Am-242m

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

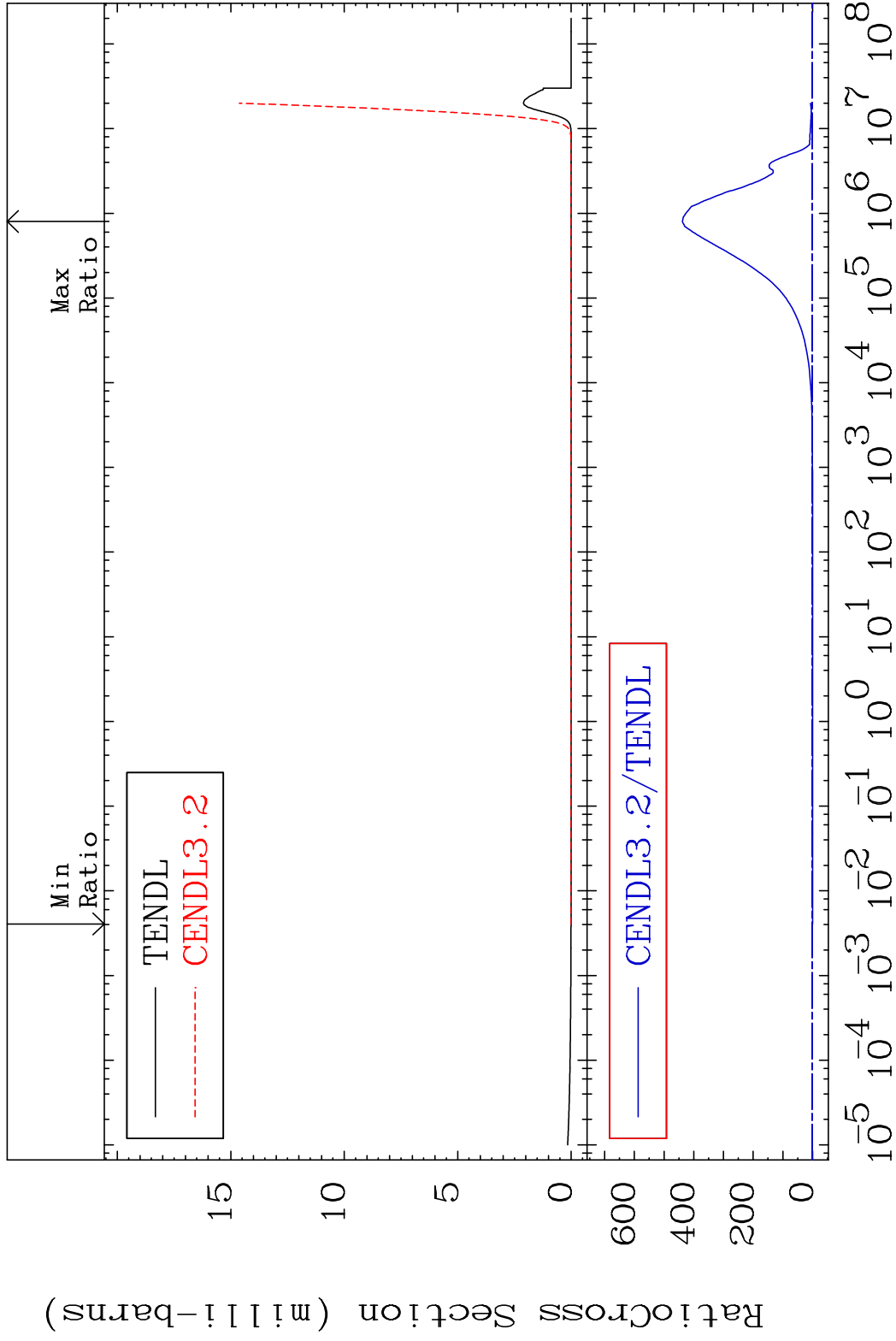
95-Am-242m

MAT 9547

(n,  $\alpha$ )

95-Am-242m

Cross Section -100.0 To 9999. %



41

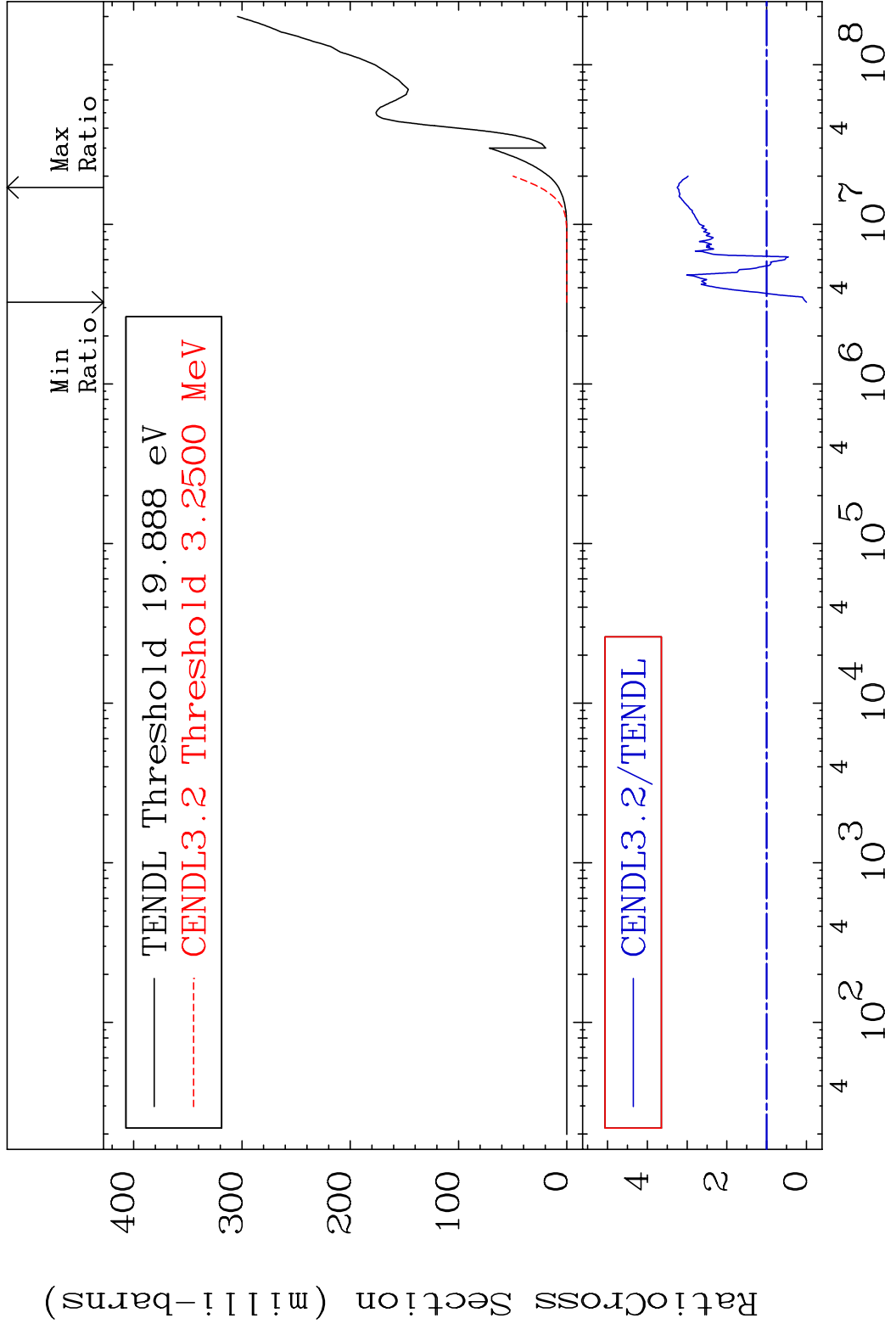
Incident Energy (eV)

95-Am-242m

MAT 9547

Hydrogen Production  
Cross Section -100.0 To 224.9 %

95-Am-242m



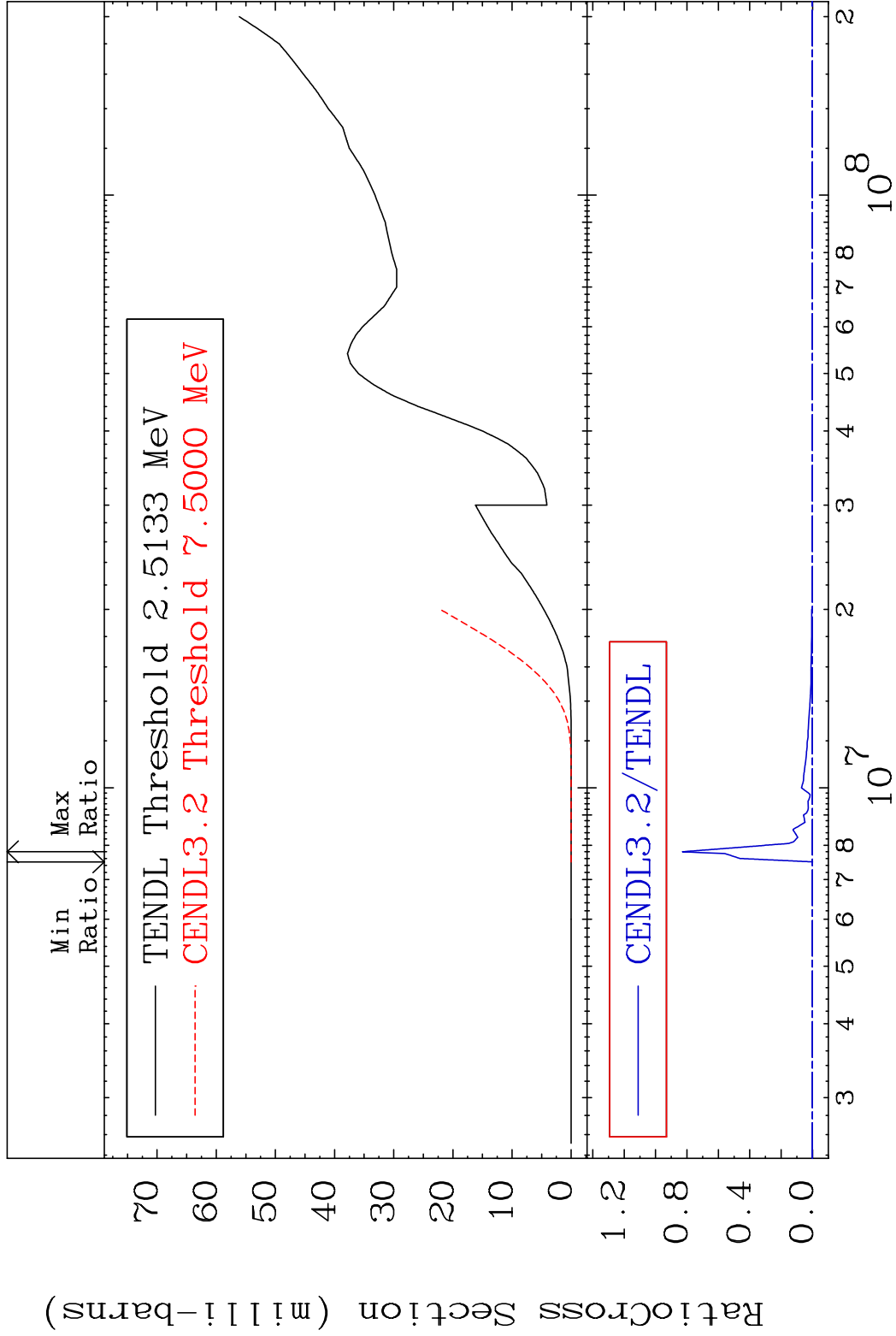
42

Incident Energy (eV)

95-Am-242m

MAT 9547

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



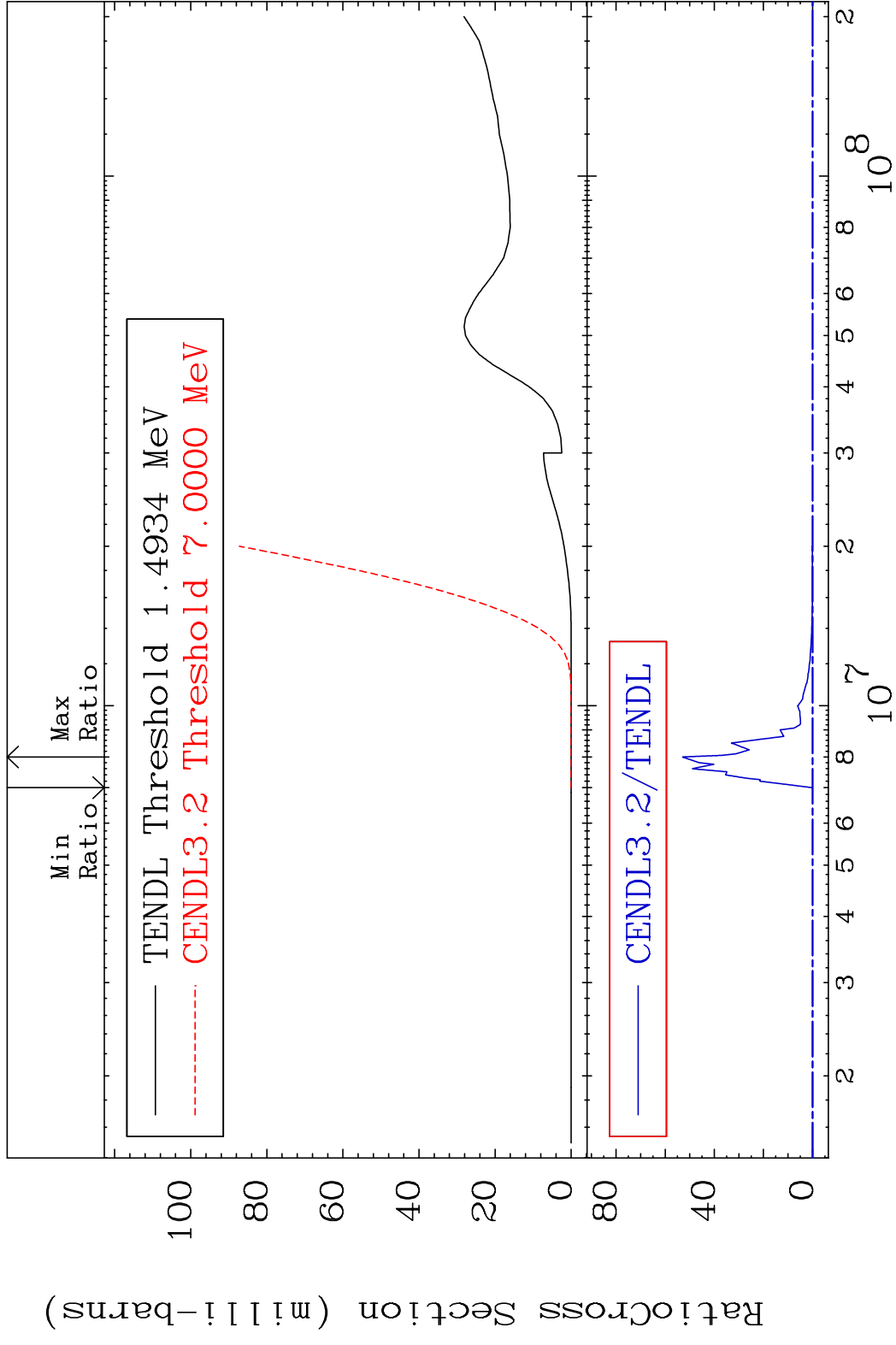
43

Incident Energy (eV)

95-Am-242m

MAT 9547

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



44

Incident Energy (eV)

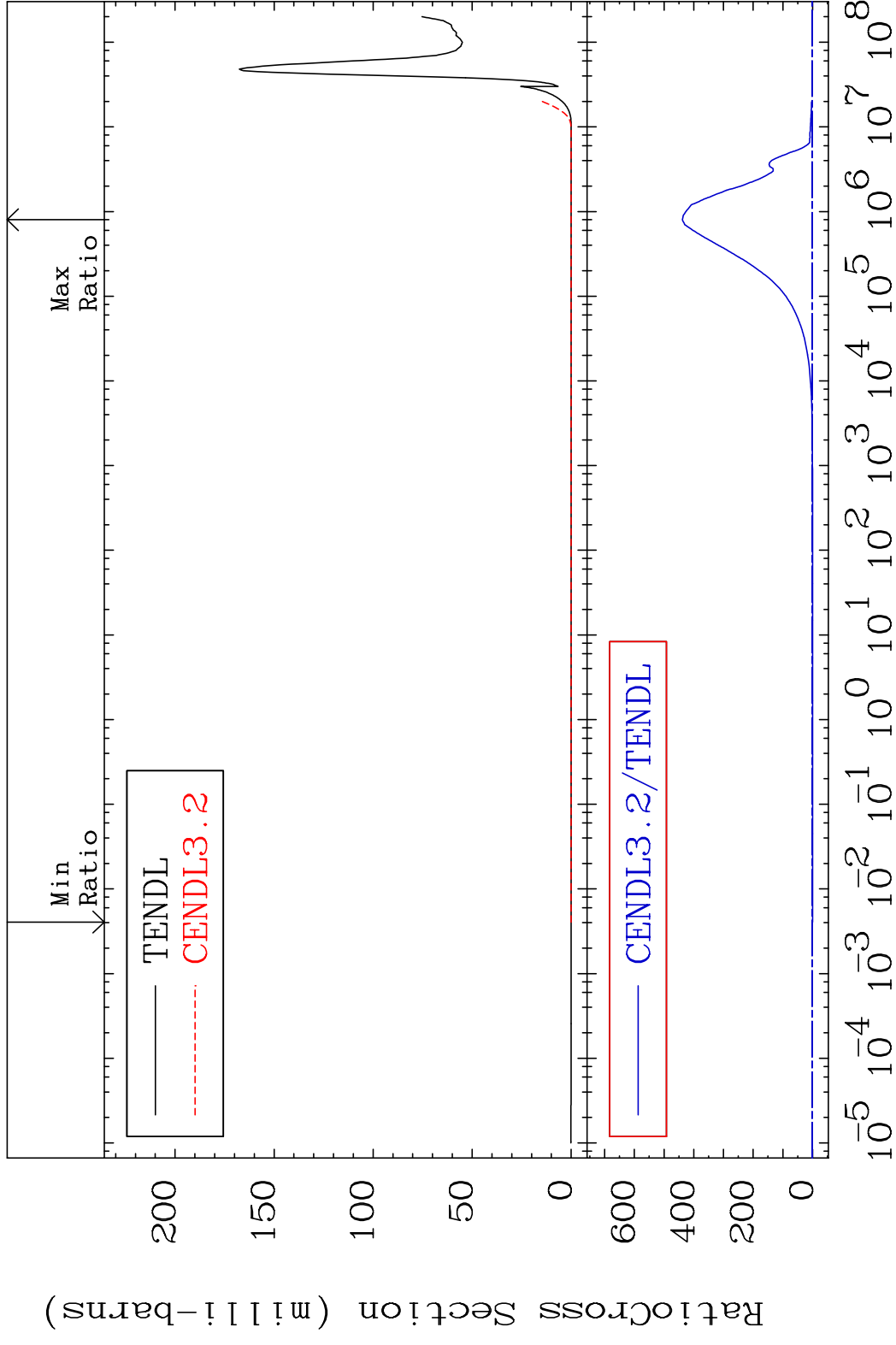
95-Am-242m

MAT 9547

He-4 Production

95-Am-242m

Cross Section -100.0 To 9999. %



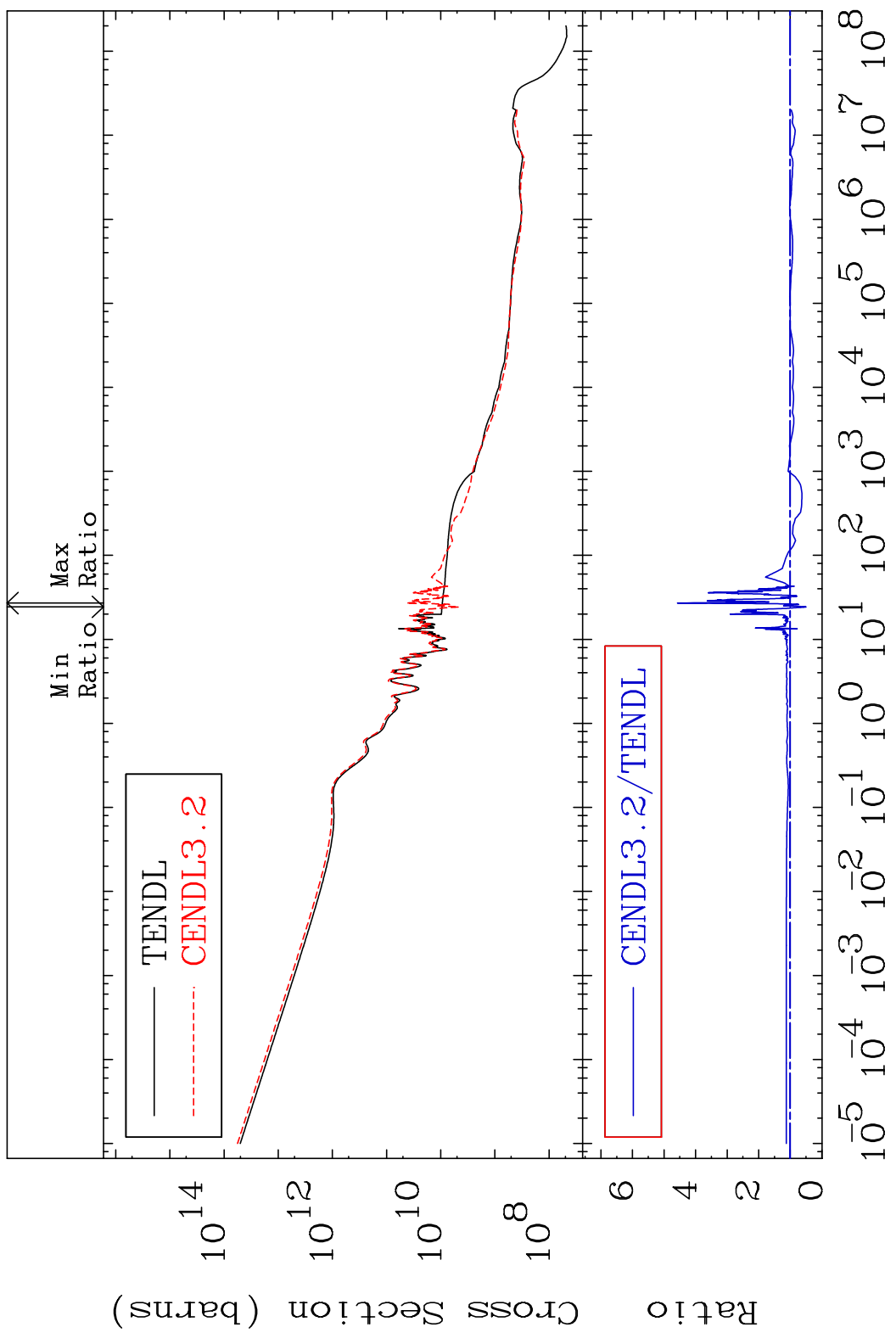
45

Incident Energy (eV)

95-Am-242m

MAT 9547

Kerma total (eV-barns) 95-Am-242m  
Cross Section -51.26 To 358.3 %



46

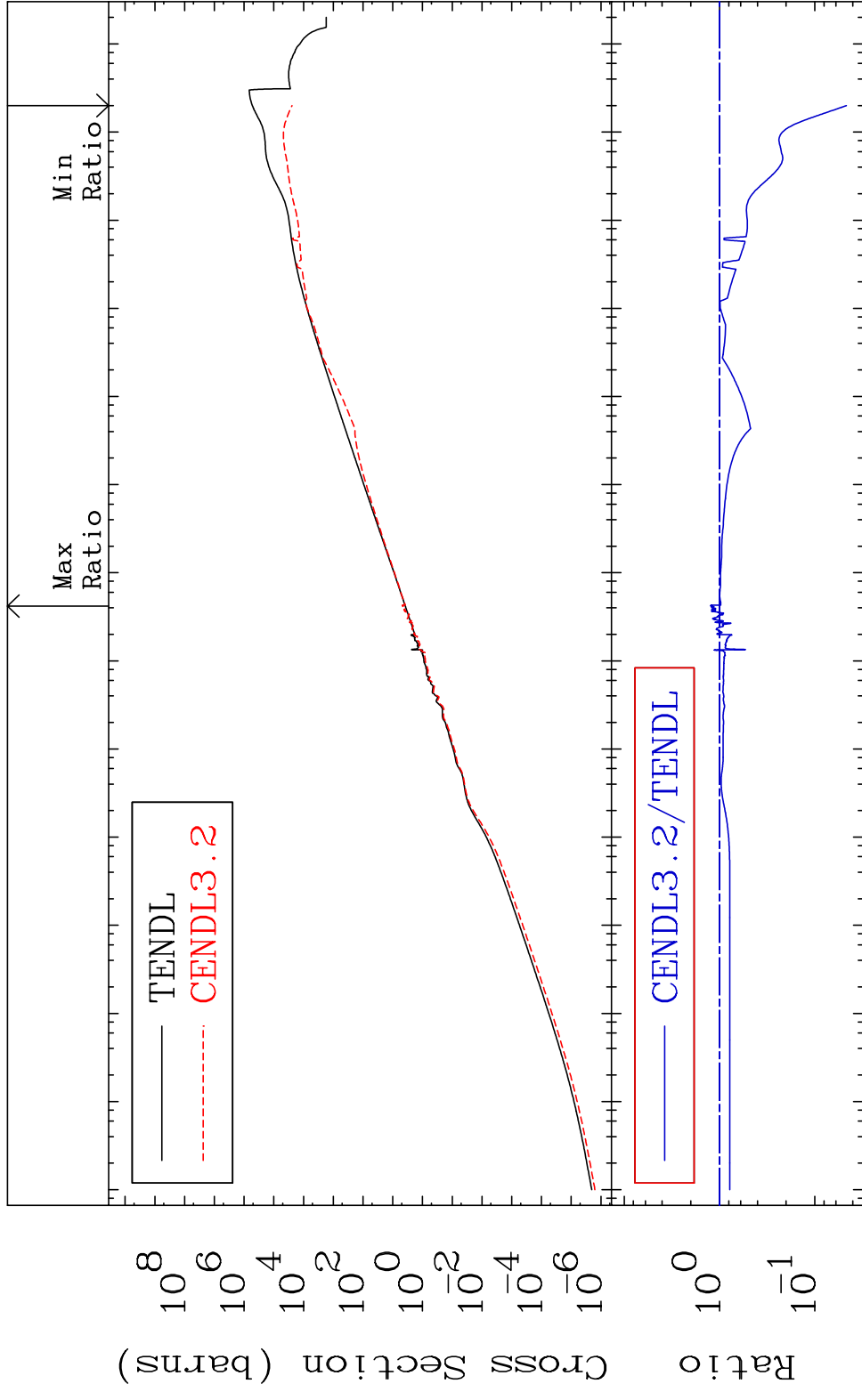
Incident Energy (eV)

95-Am-242m

MAT 9547

Kerma elastic  
Cross Section

95-Am-242m  
-95.33 To 23.67 %

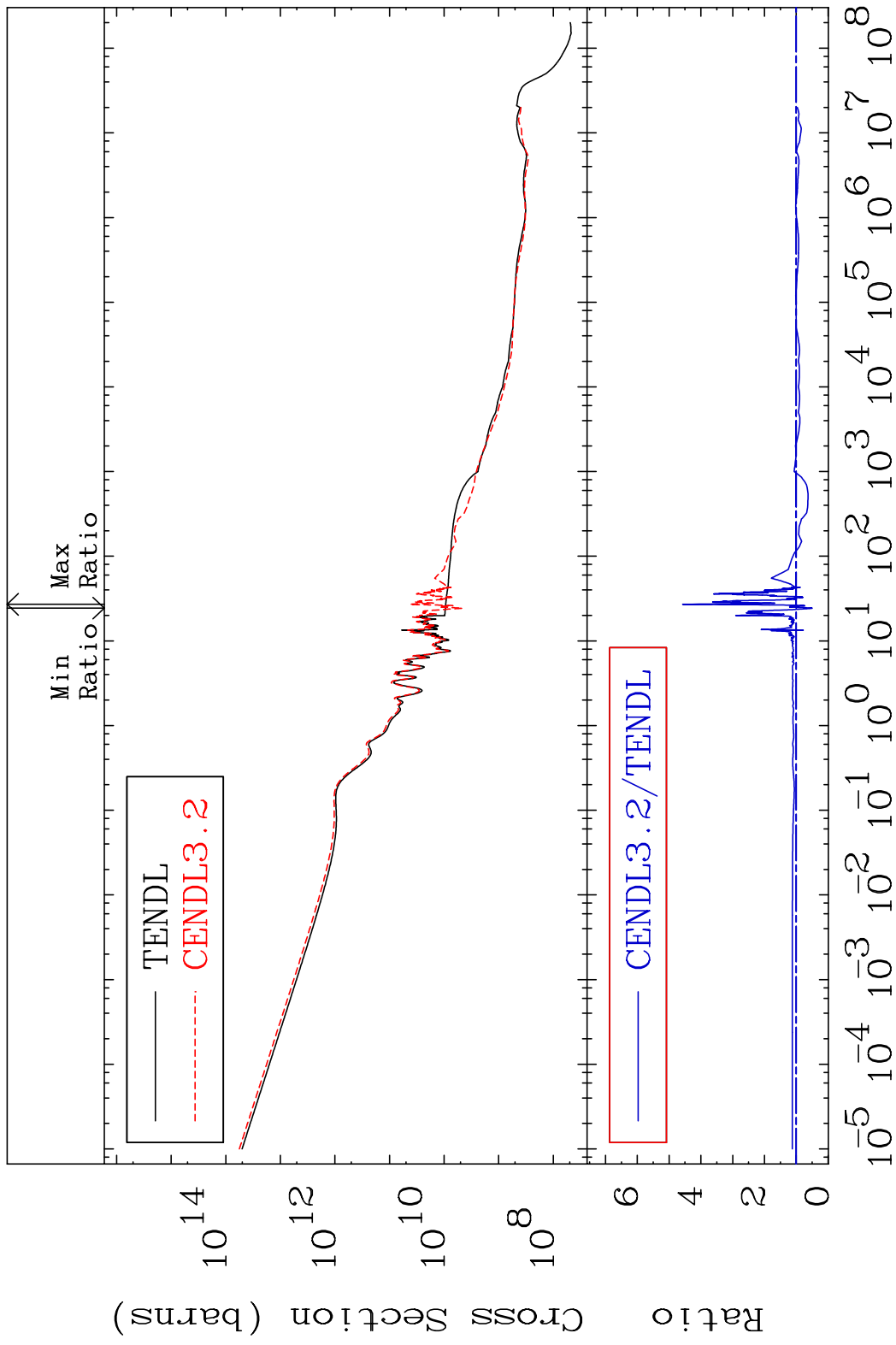


47

Incident Energy (eV)

95-Am-242m

MAT 9547 Kerma non-elastic (all but mt2) 95-Am-242m  
Cross Section -51.26 To 358.3 %

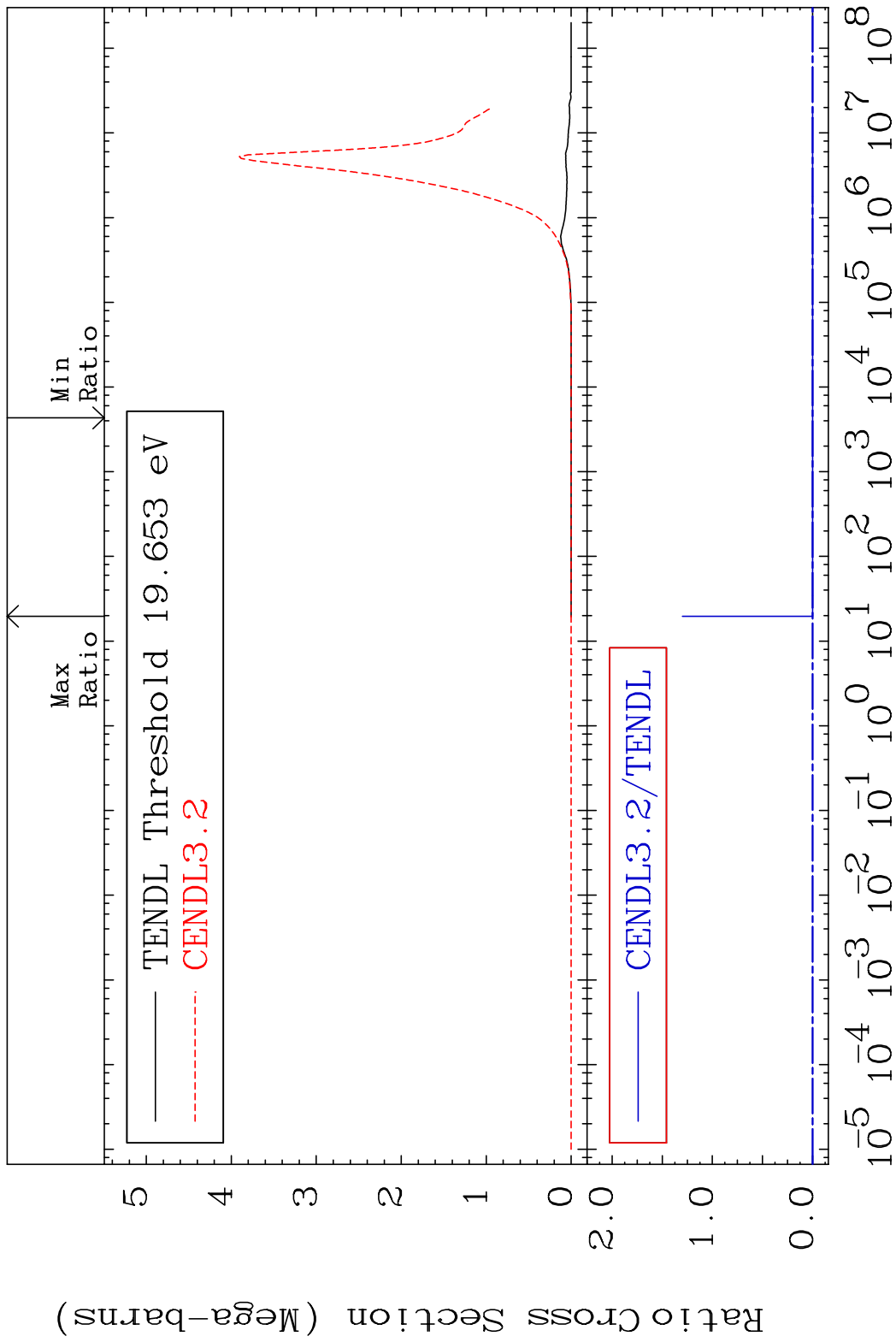


48

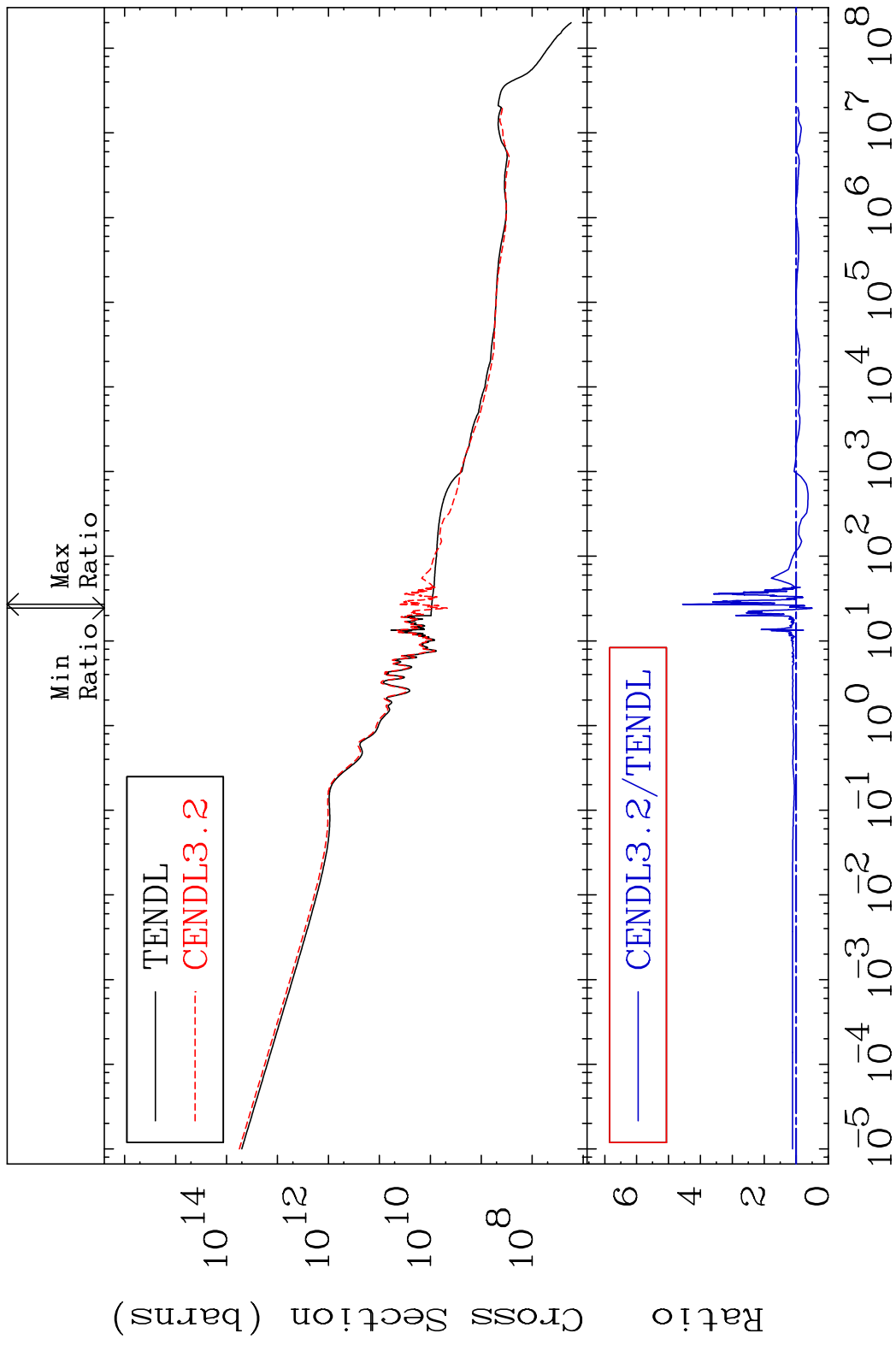
Incident Energy (eV)

95-Am-242m

MAT 9547 Kerma inelastic (mt51-91) 95-Am-242m  
 Cross Section -2252. To 9999. %



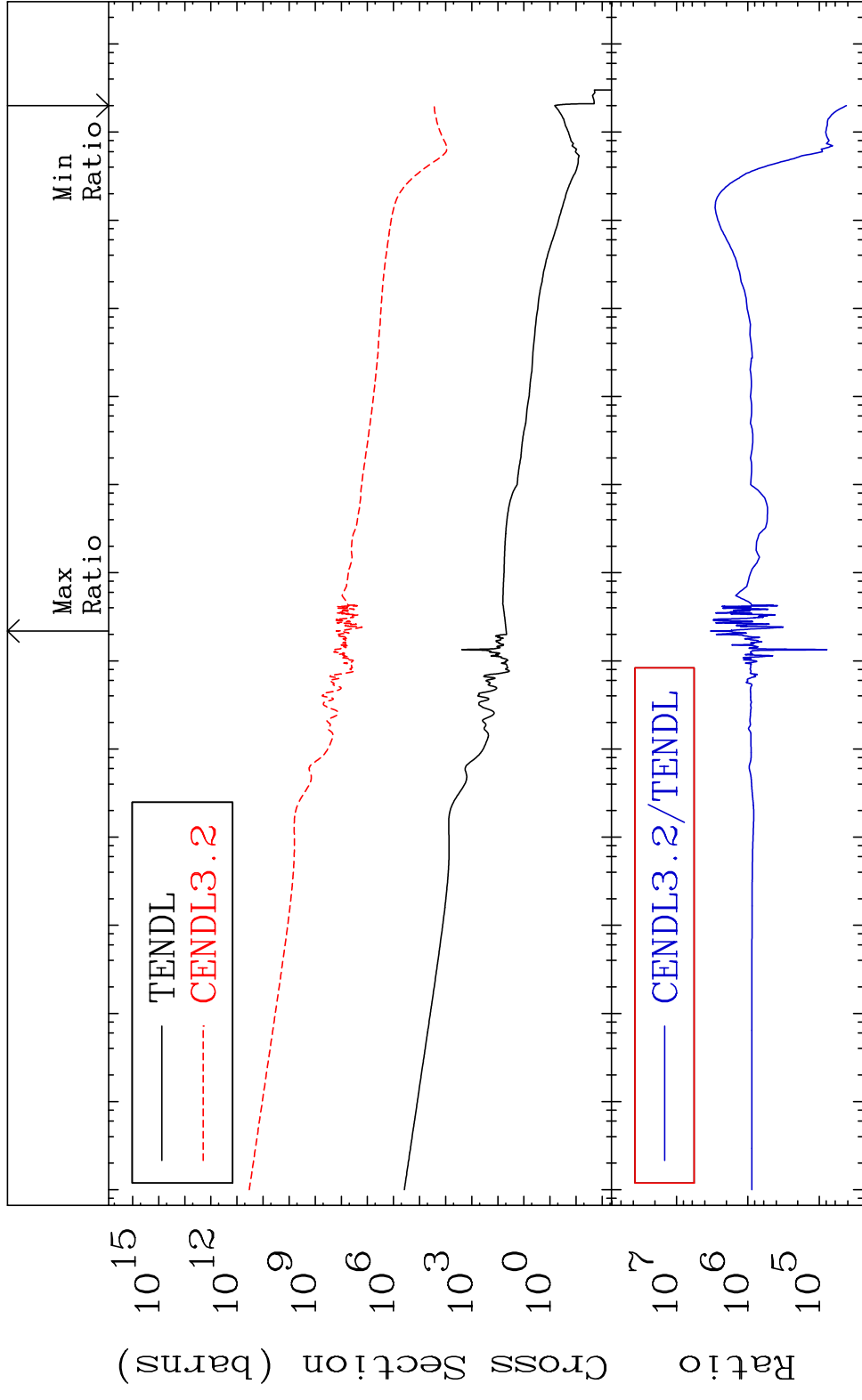
MAT 9547 Kerma fission (mt18 or mt19-20-21-30) 95-Am-242m  
 Cross Section -51.46 To 356.8 %



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

MAT 9547

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

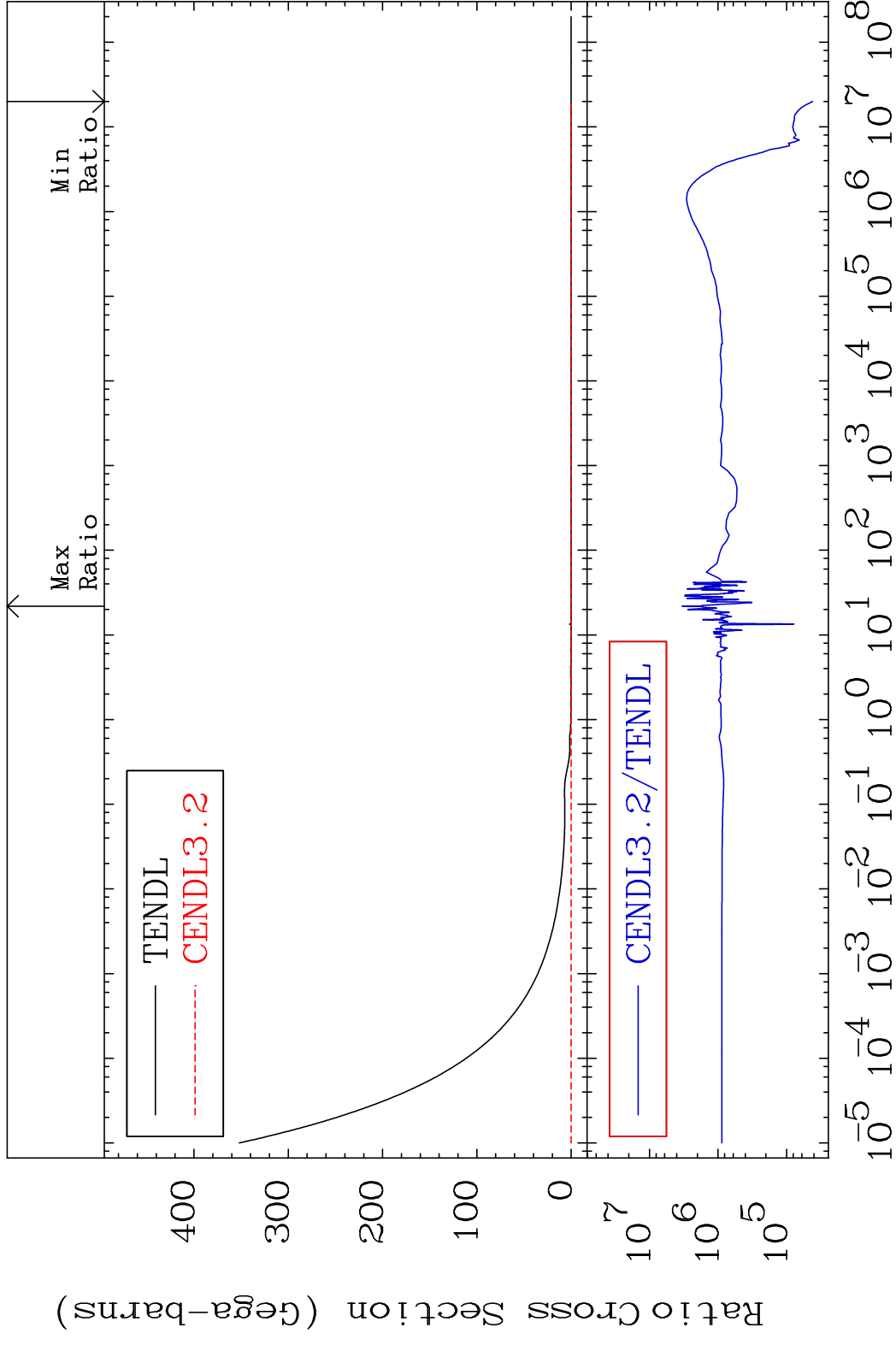


51

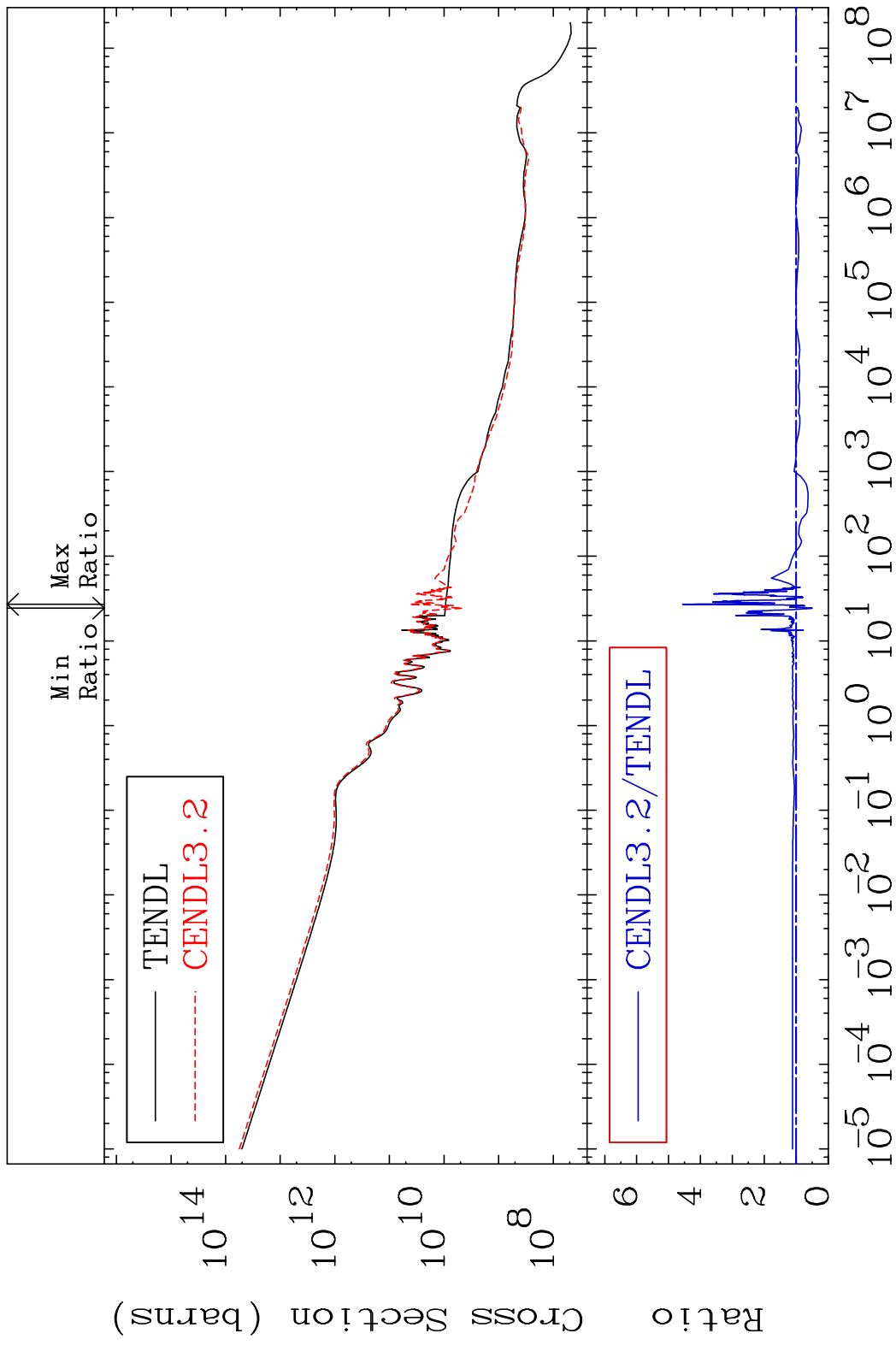
Incident Energy (eV)

95-Am-242m

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



MAT 9547 Total kinematic kerma (high limit)95-Am-242m  
Cross Section -51.46 To 356.8 %

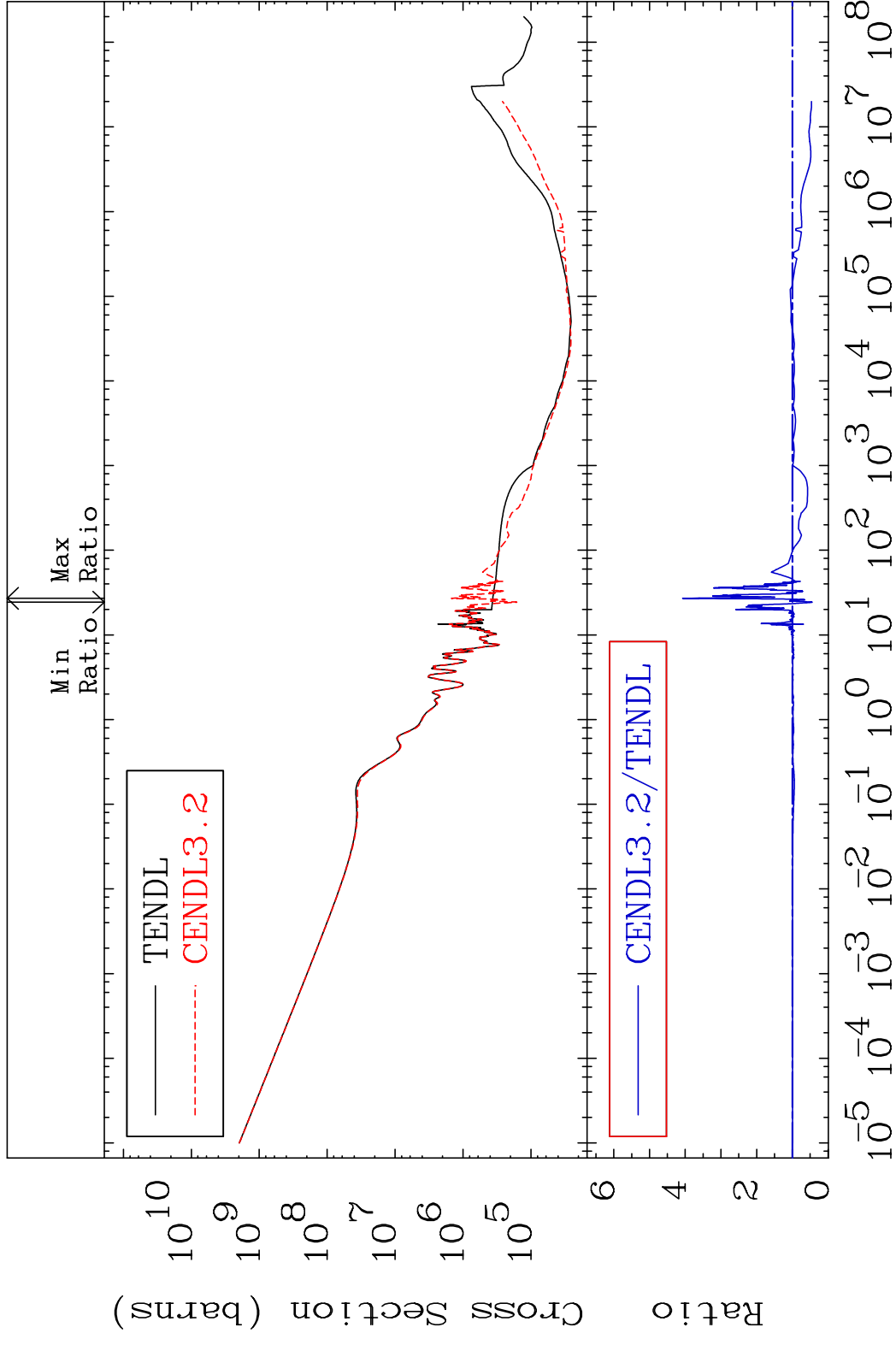


MAT 9547

Dpa total (eV-barns)

95-Am-242m

Cross Section -56.64 To 308.0 %



54

Incident Energy (eV)

95-Am-242m

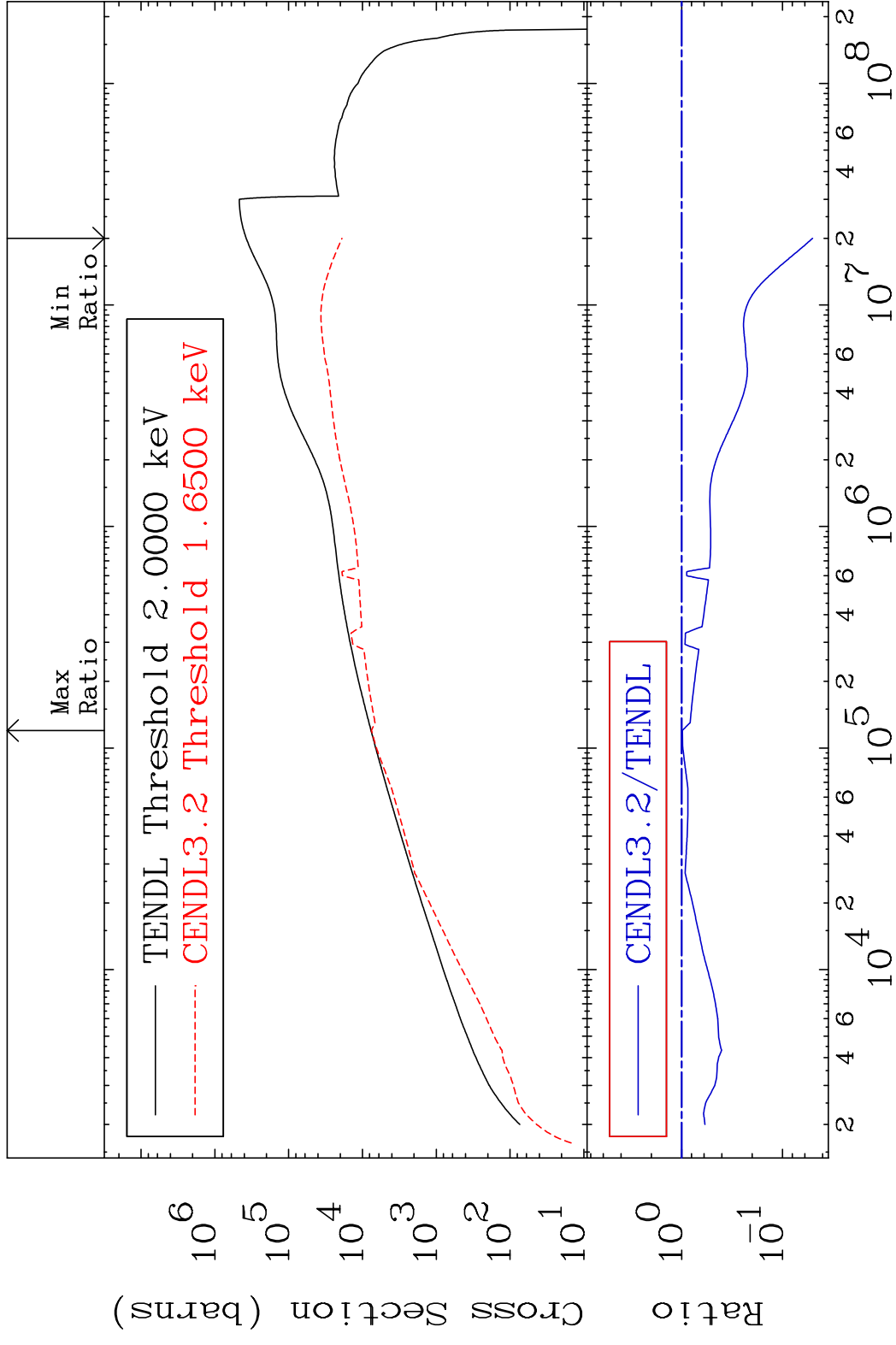
MAT 9547

Dpa elastic (mt2)

95-Am-242m

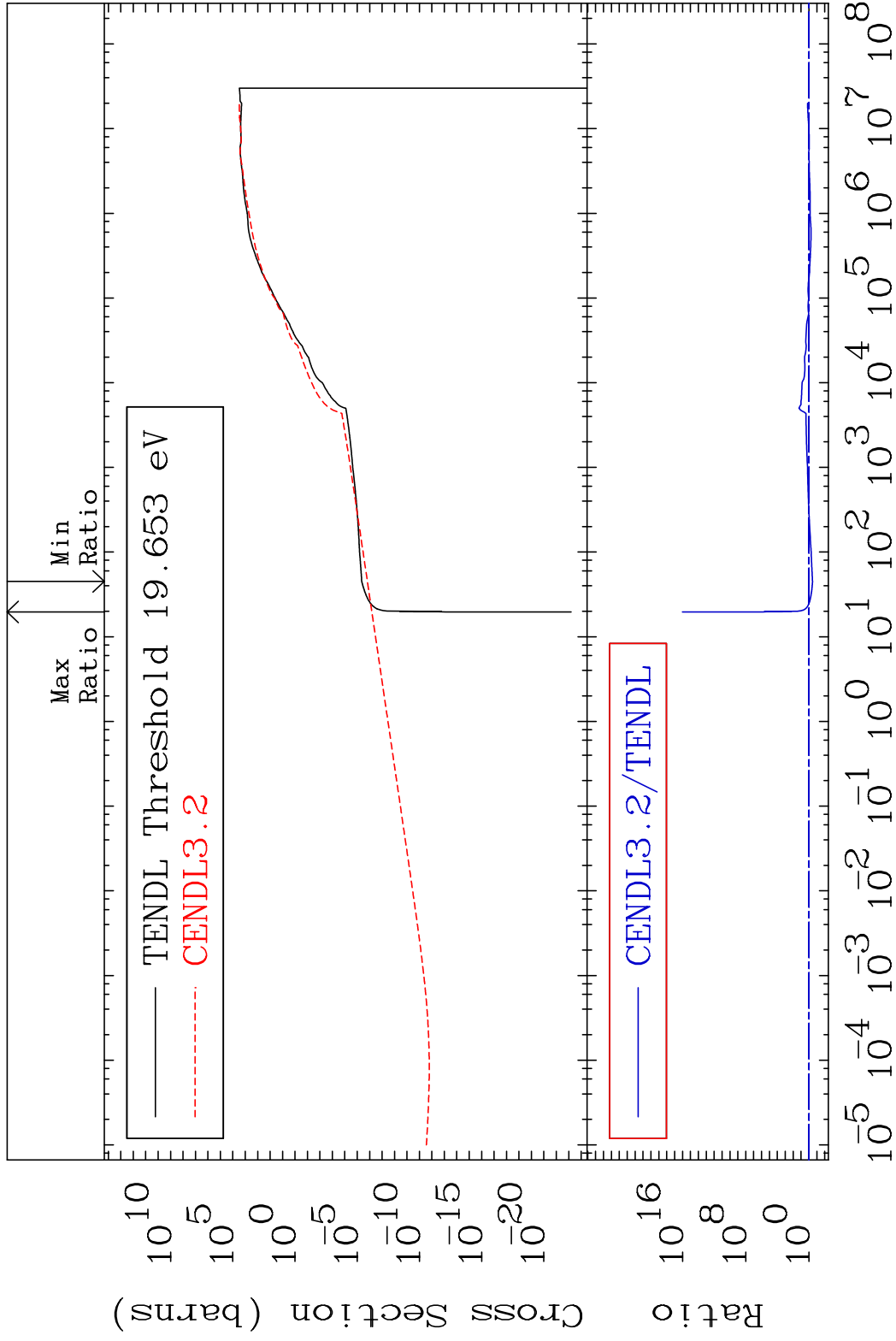
Cross Section

-94.96 To -1.308%



MAT 9547

Dpa inelastic (mt51-91) 95-Am-242m  
Cross Section -64.87 To 9999. %



56

Incident Energy (eV)

95-Am-242m

MAT 9547 Dpa disappearance (mt102 -120) 95-Am-242m  
 Cross Section 510.7 To 9999. %

