

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

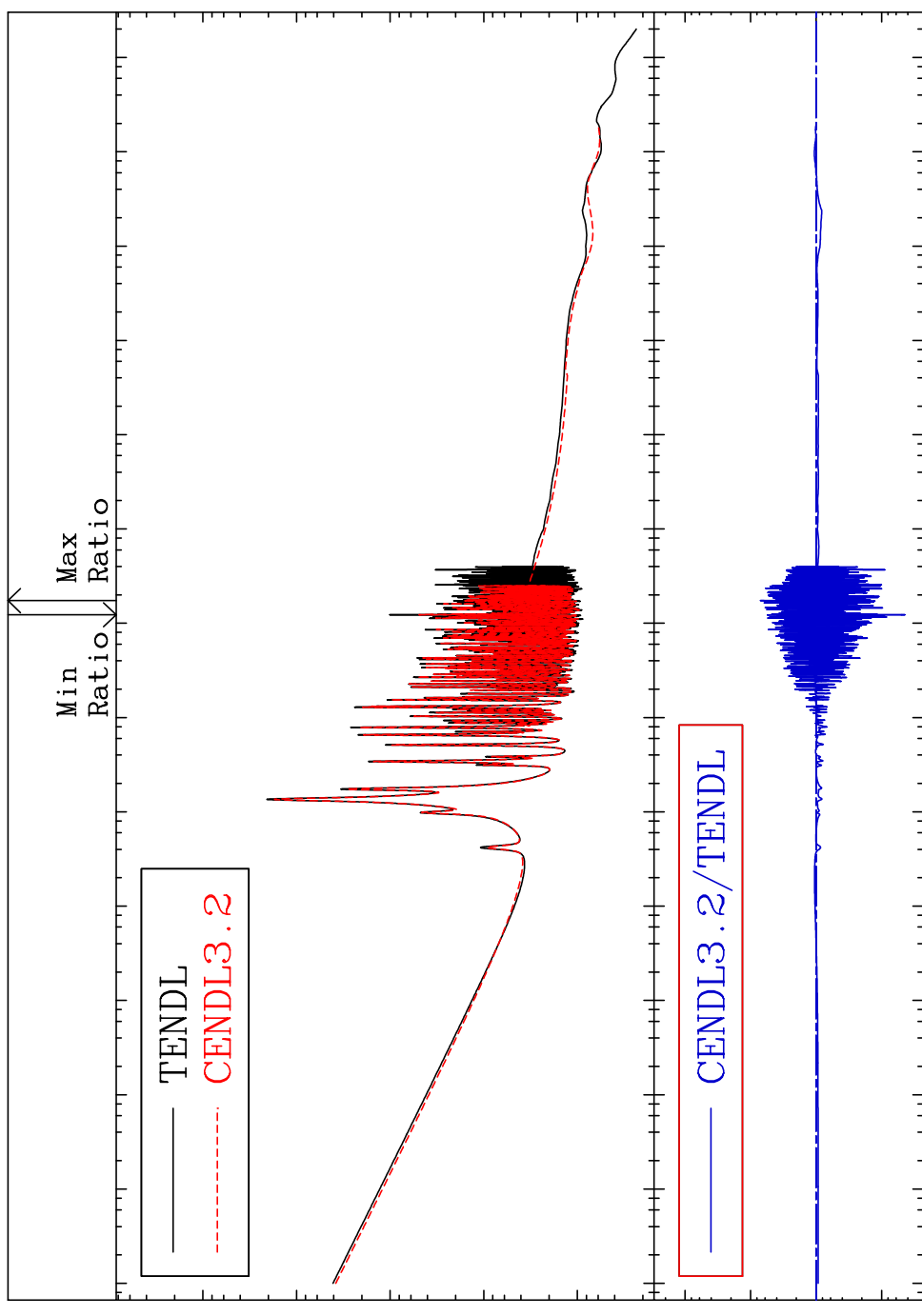
MAT 9549

Total

95-Am-243

Cross Section

-95.63 To 614.4 %



1

Incident Energy (eV)

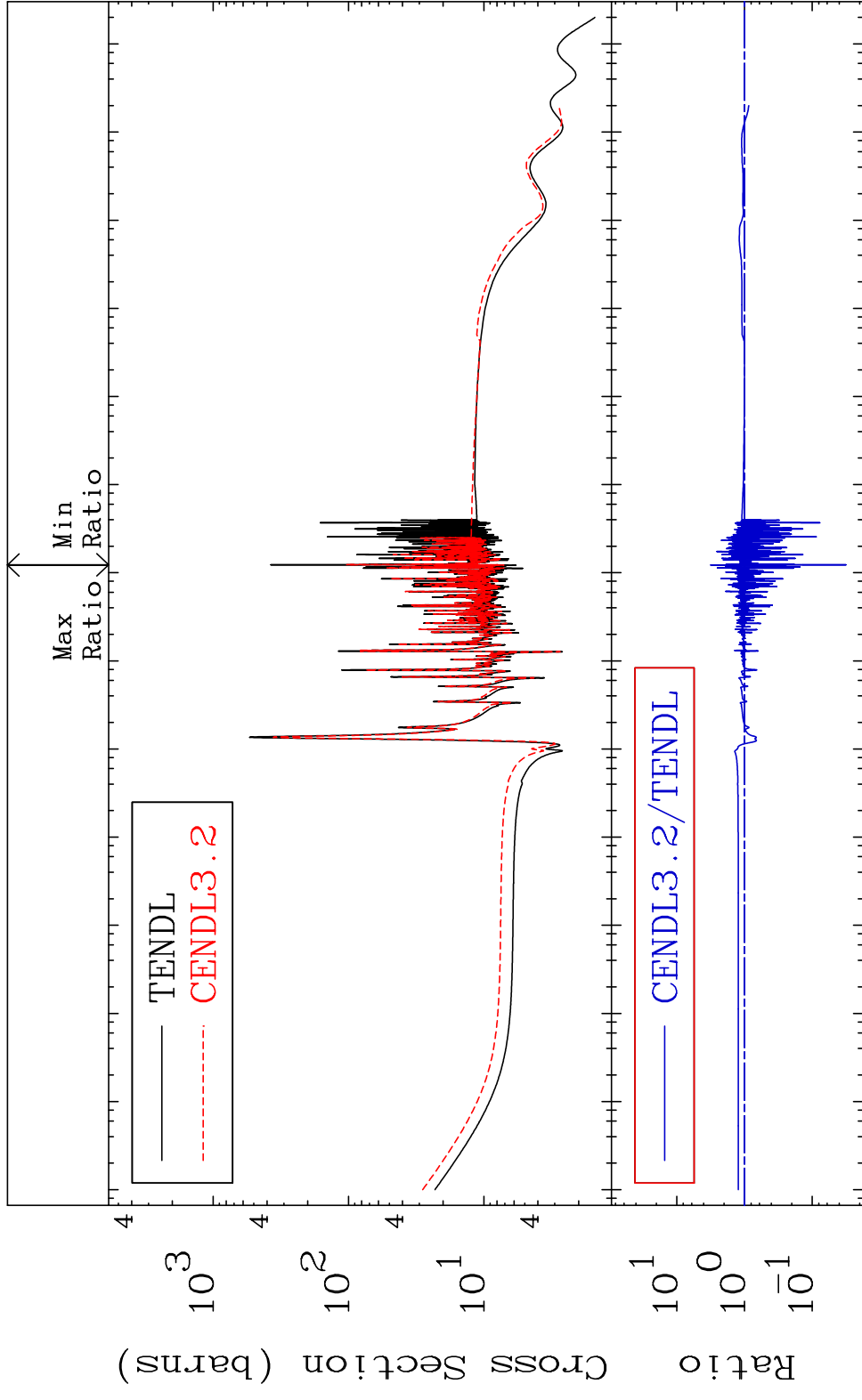
95-Am-243

MAT 9549

Elastic

95-Am-243

Cross Section -96.86 To 215.0 %

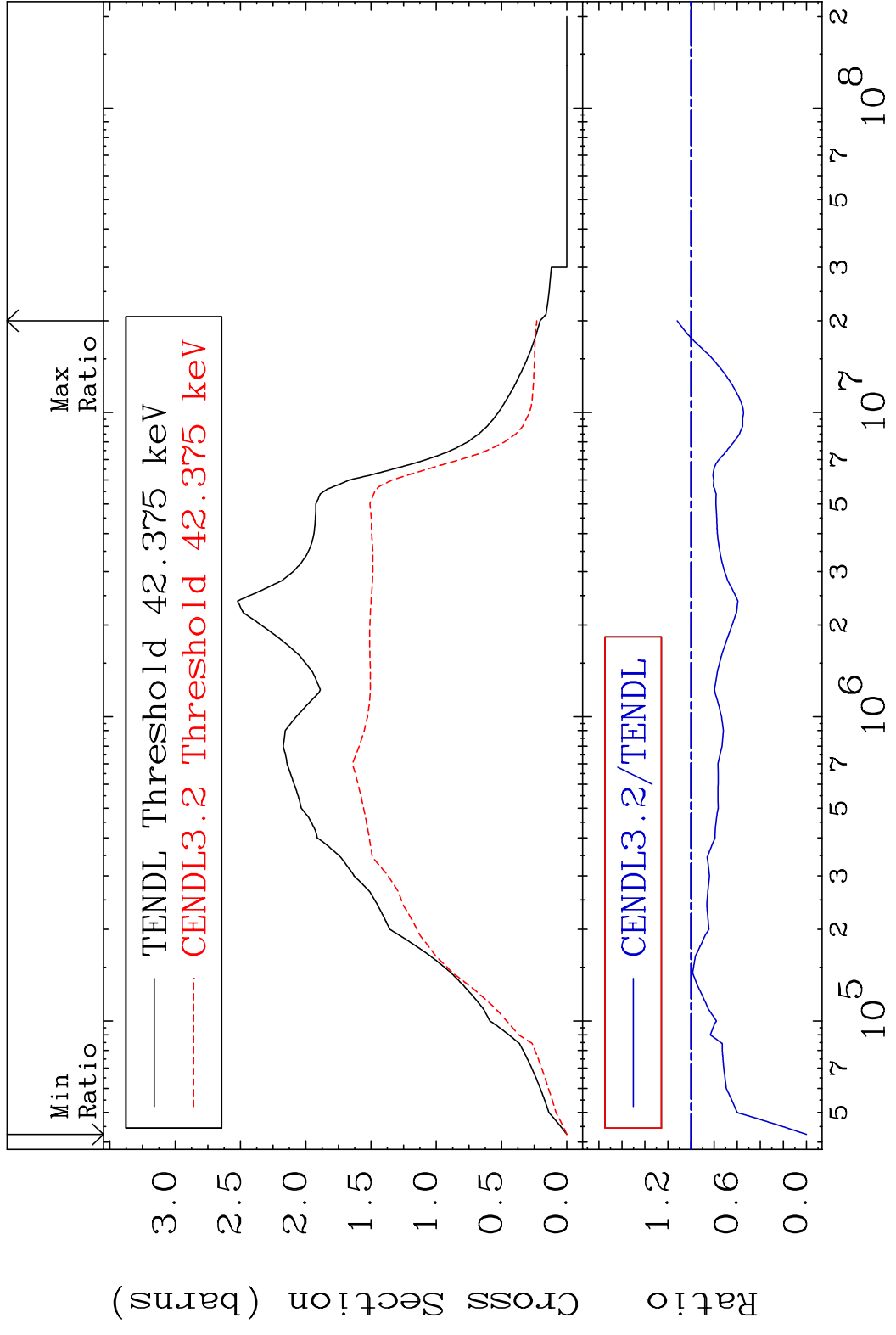


2

Incident Energy (eV)

95-Am-243

MAT 9549 Inelastic 95-Am-243  
 Cross Section -100.0 To 12.06 %

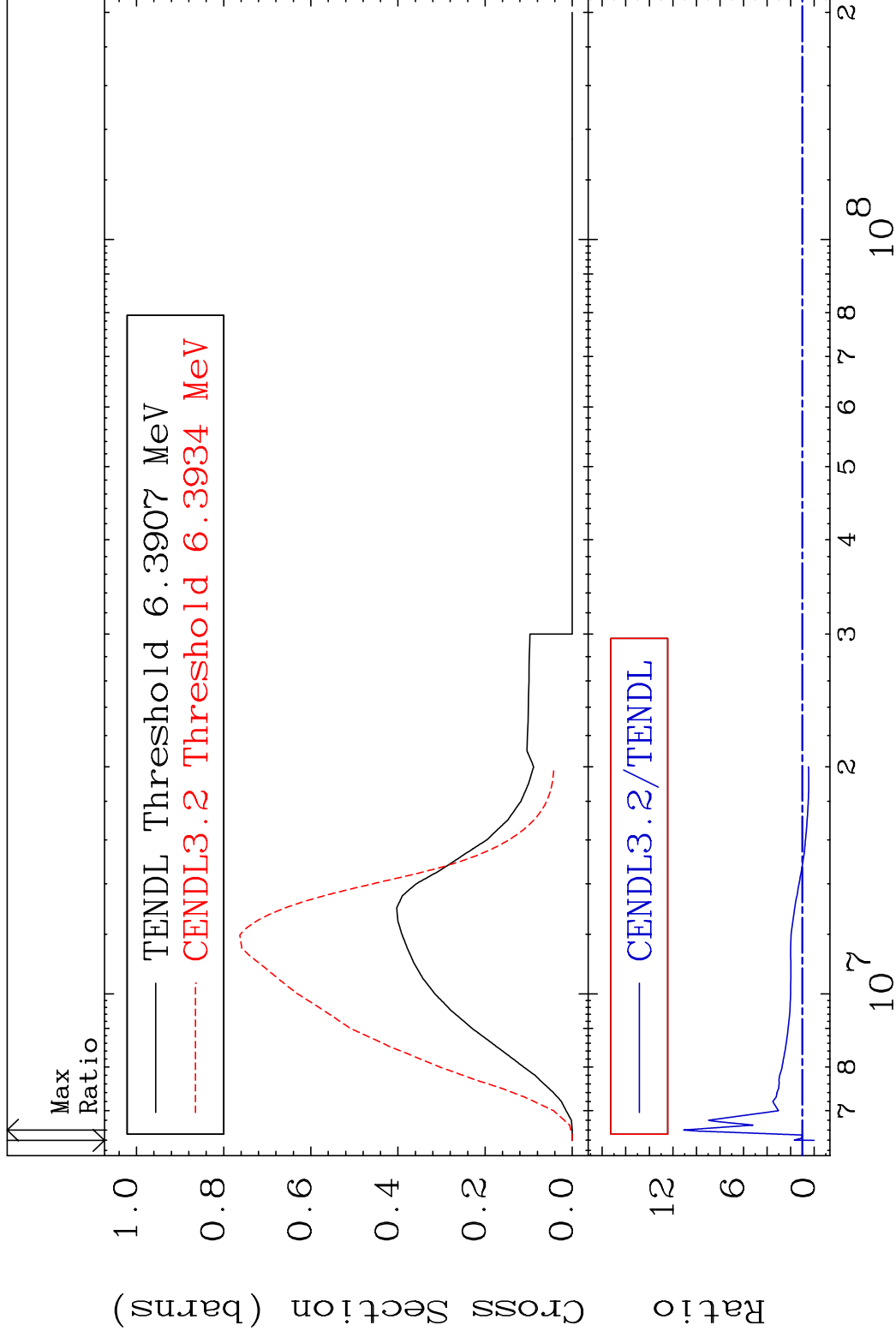


MAT 9549

(n,2n)

95-Am-243

Cross Section -100.0 To 1008. %



4

Incident Energy (eV)

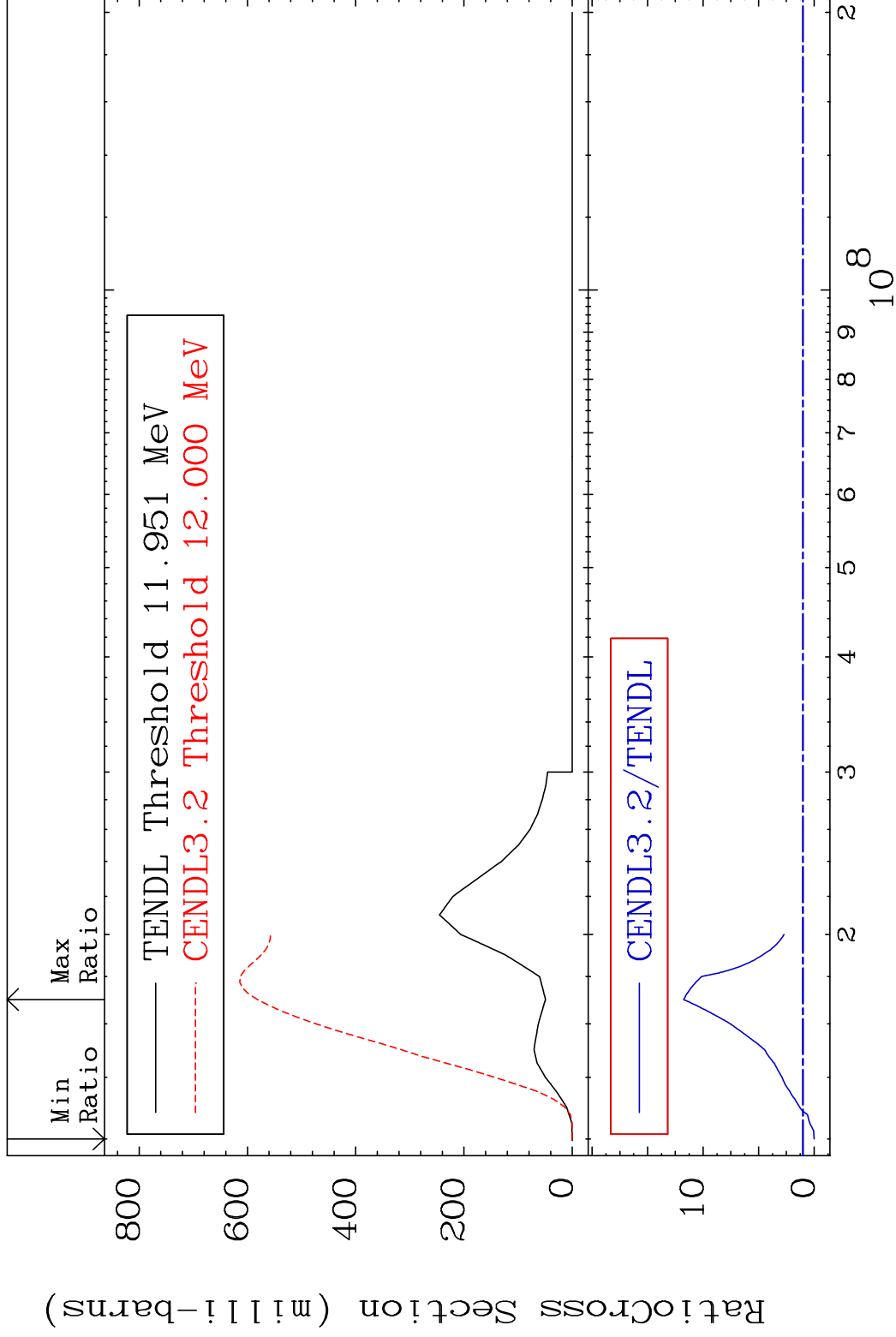
95-Am-243

MAT 9549

(n,3n)

95-Am-243

Cross Section -100.0 To 1075. %



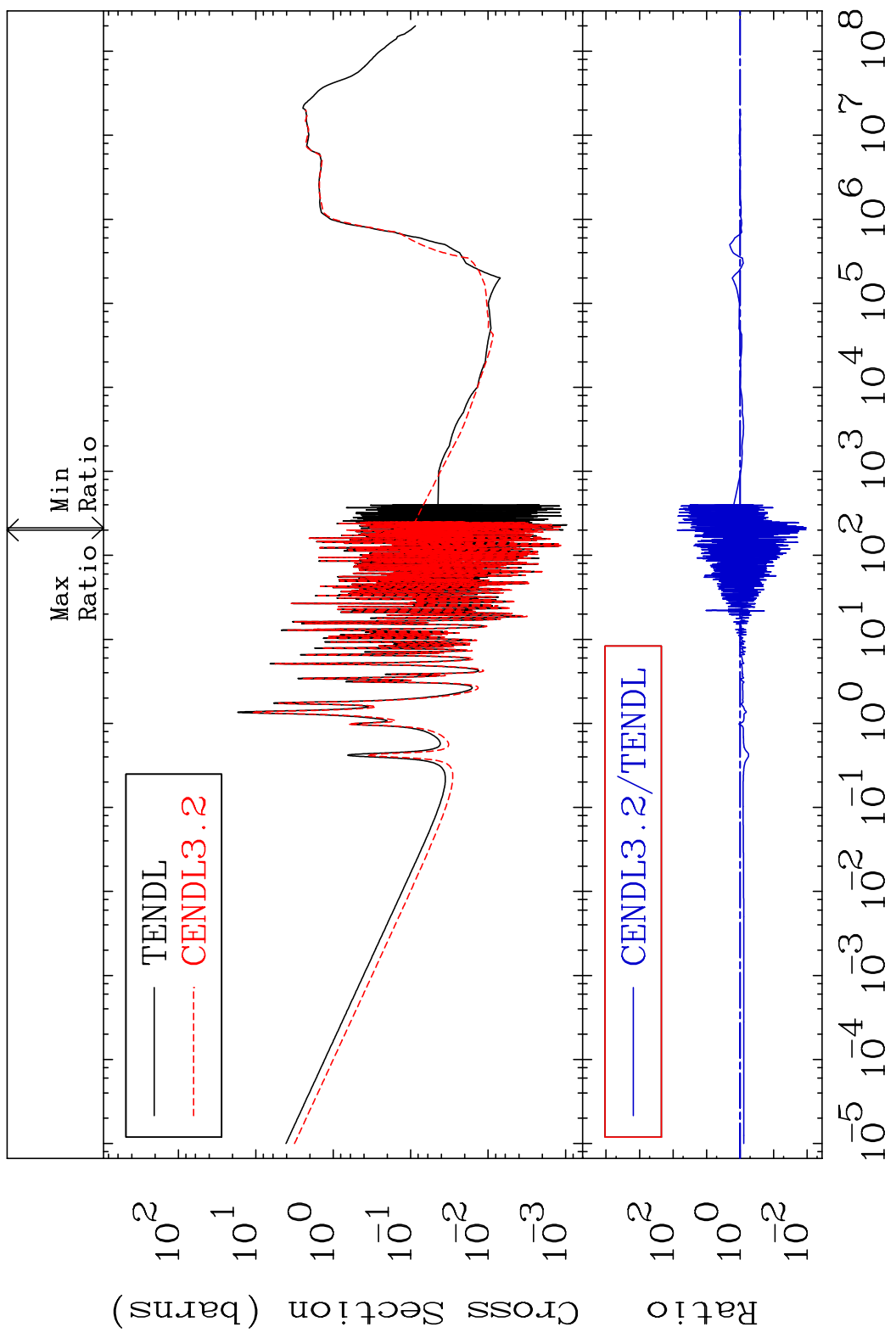
5

Incident Energy (eV)

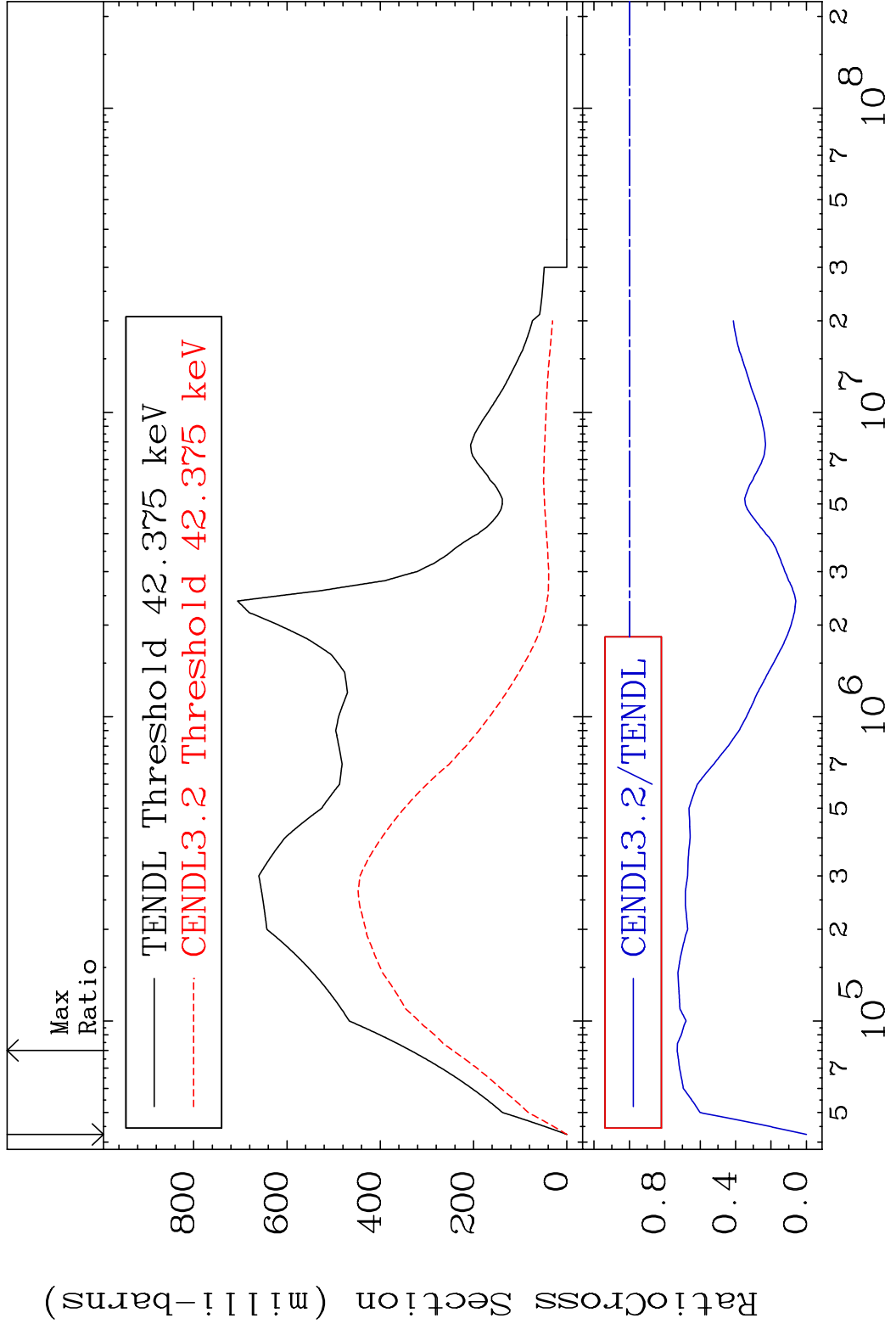
95-Am-243

MAT 9549

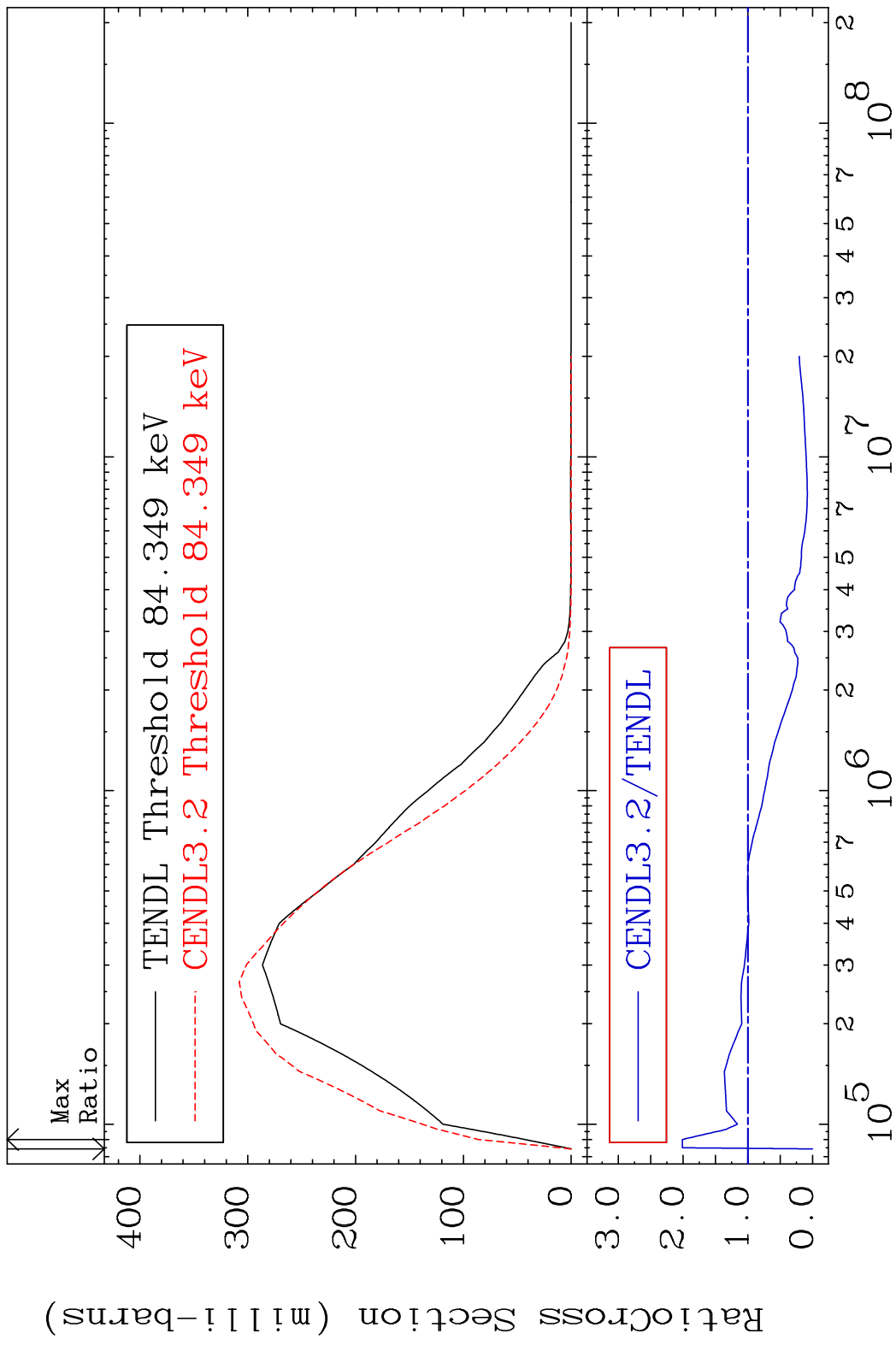
Fission  
Cross Section -98.95 To 7425. %  
95-Am-243



MAT 9549 MT= 51 (n, n') Level 95-Am-243  
 Cross Section -100.0 To -26.99%

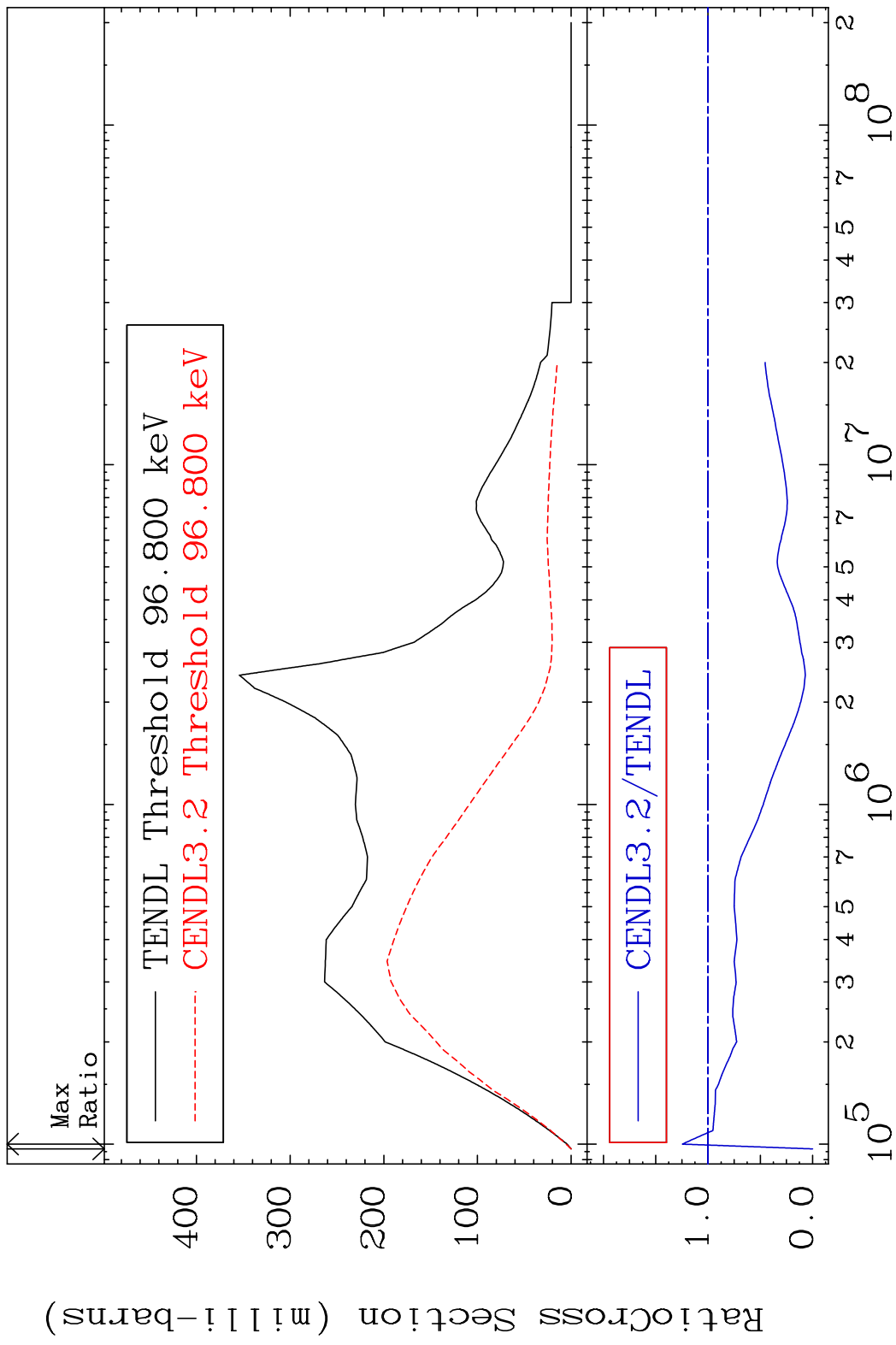


MAT 9549 MT= 52 (n, n') Level 95-Am-243  
Cross Section -100.0 To 101.2 %



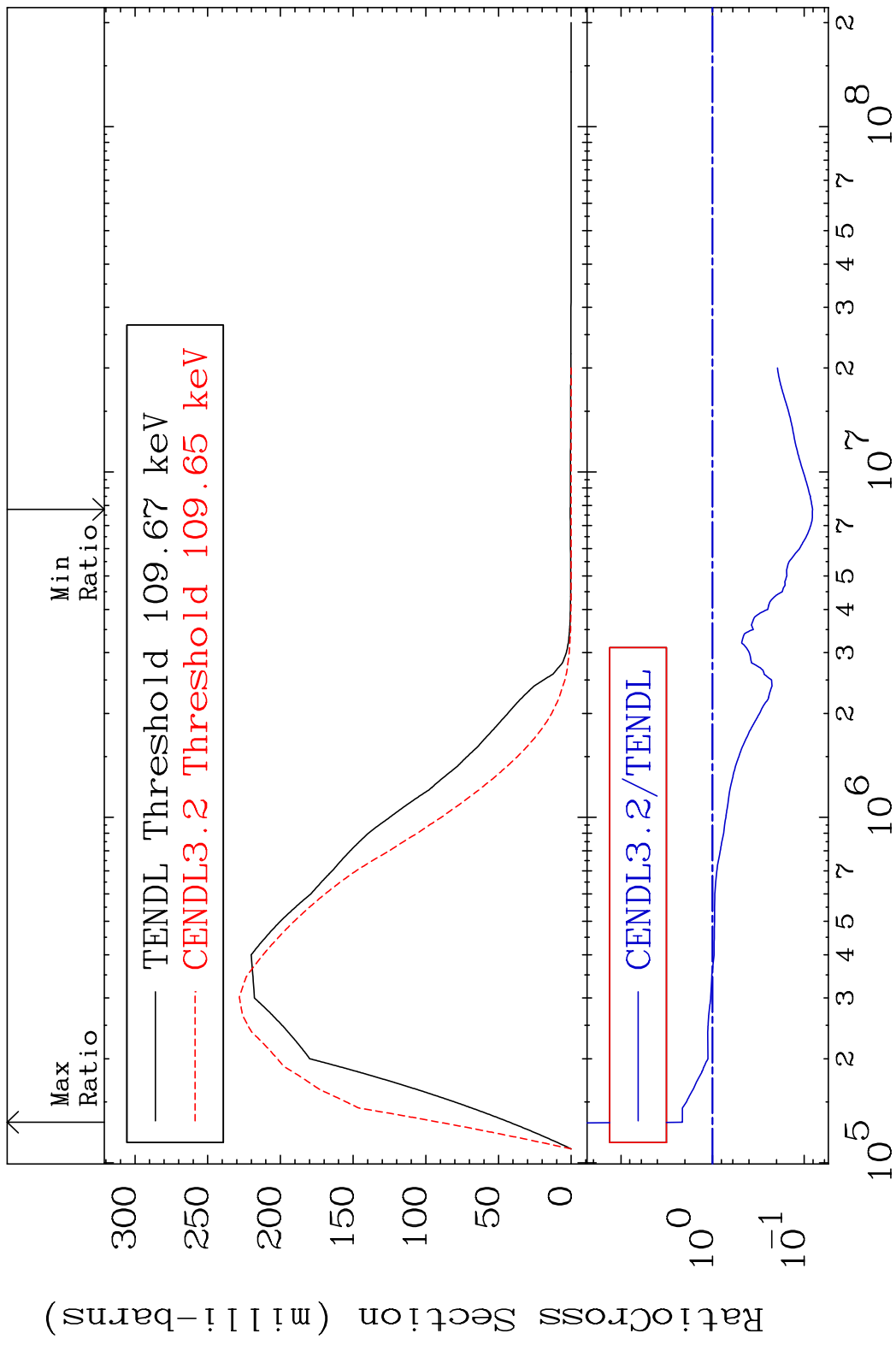
8 Incident Energy (eV) 95-Am-243

MAT 9549 MT= 53 (n, n') Level 95-Am-243  
 Cross Section -100.0 To 24.53 %



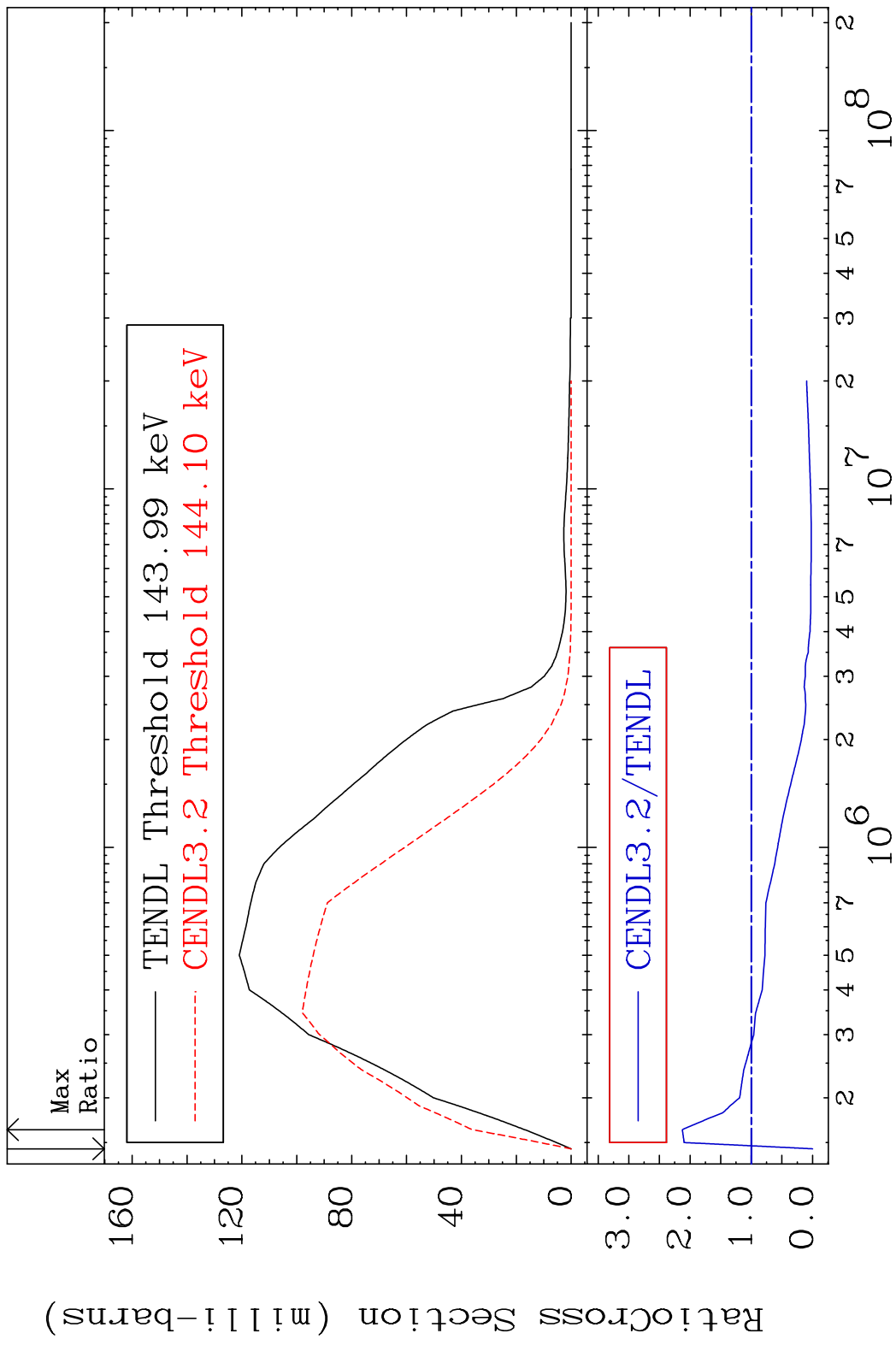
9 95-Am-243

MAT 9549 MT= 54 (n, n') Level 95-Am-243  
 Cross Section -91.90 To 113.6 %

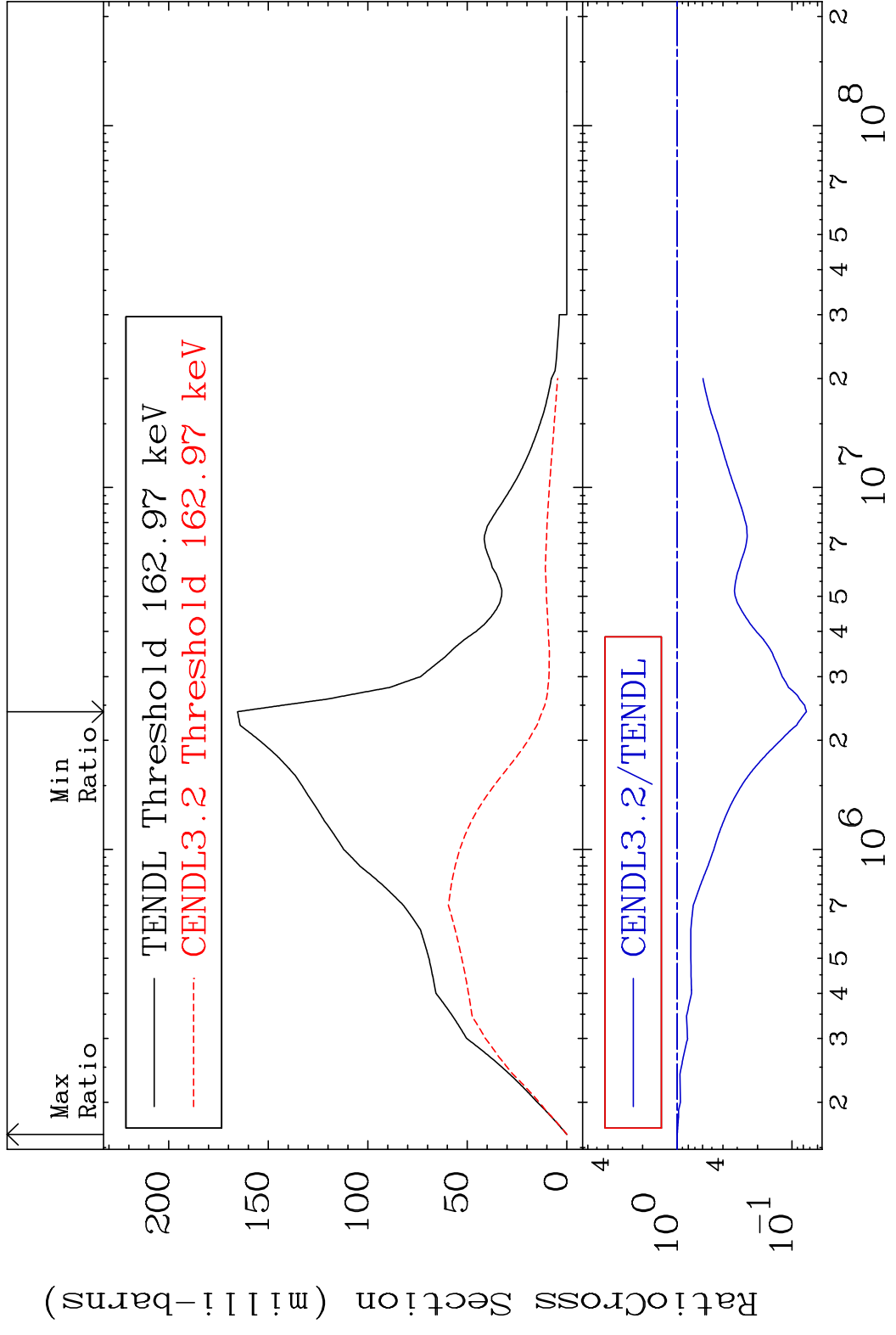


10 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup> 2 3 4 5 7 8 2 95-Am-243

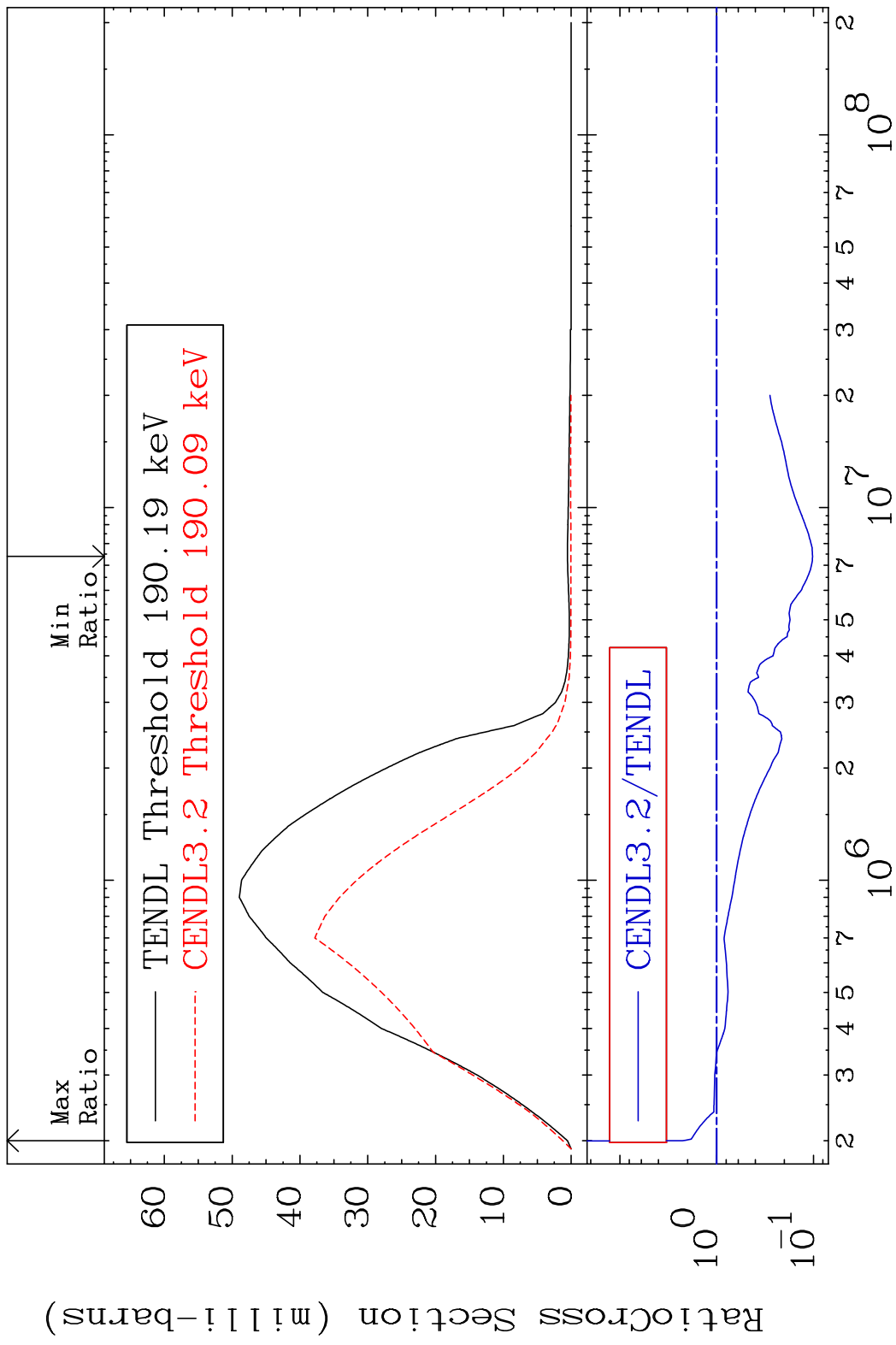
MAT 9549 MT= 55 (n, n') Level 95-Am-243  
 Cross Section -100.0 To 112.5 %



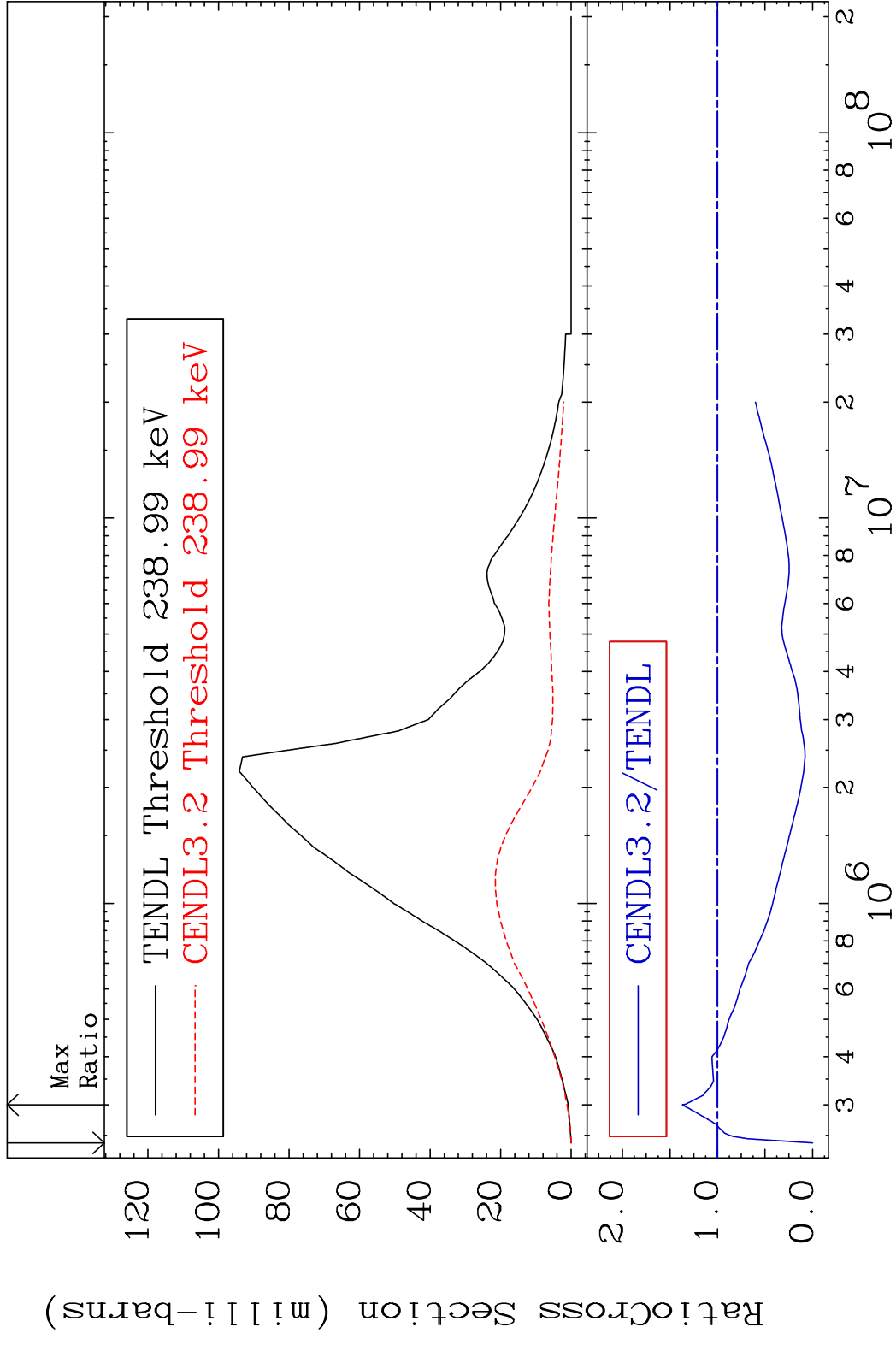
MAT 9549 MT= 56 (n,n') Level 95-Am-243  
 Cross Section -92.50 To 0.000 %



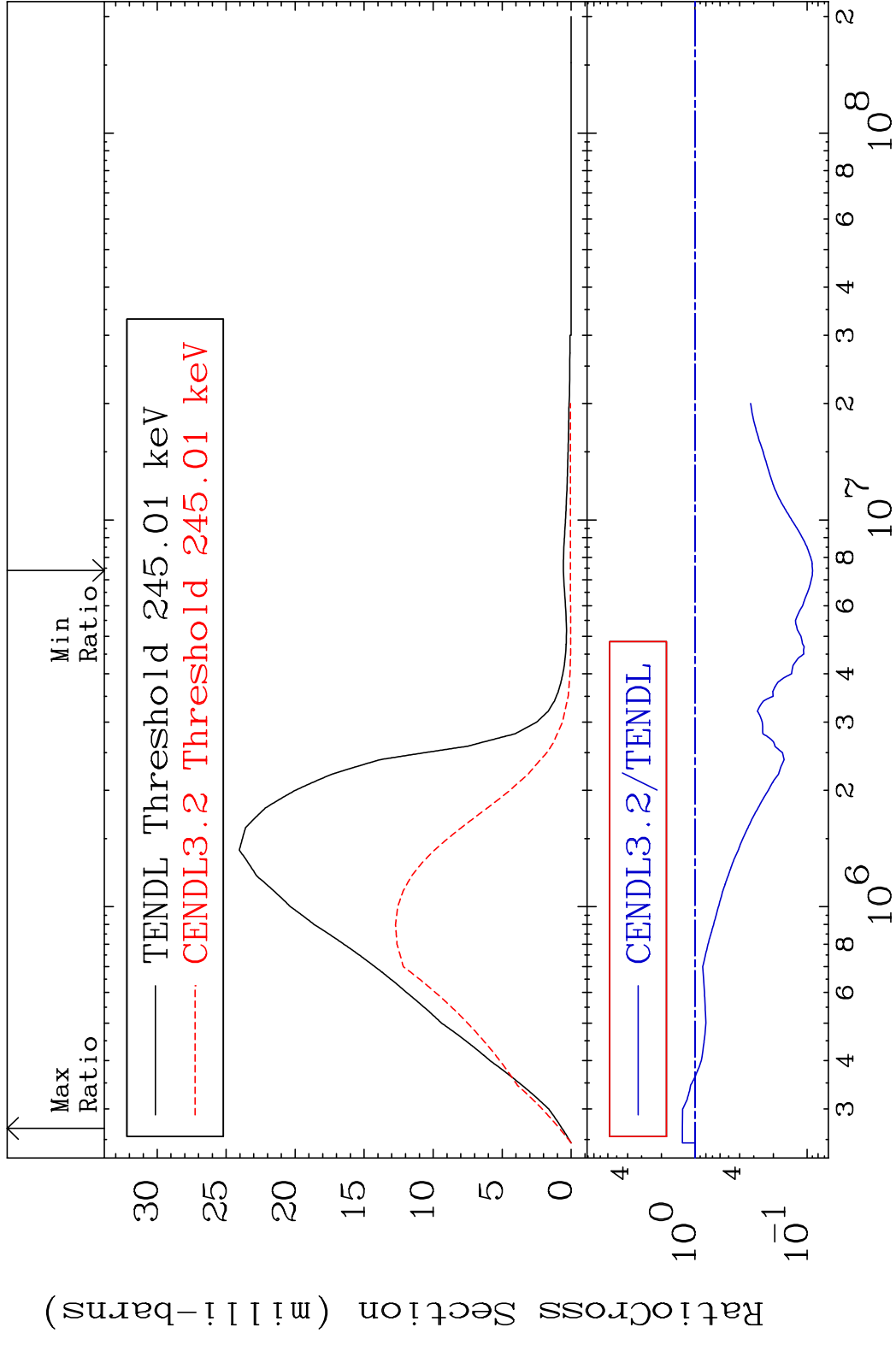
MAT 9549 MT= 57 (n, n') Level 95-Am-243  
 Cross Section -89.75 To 126.3 %



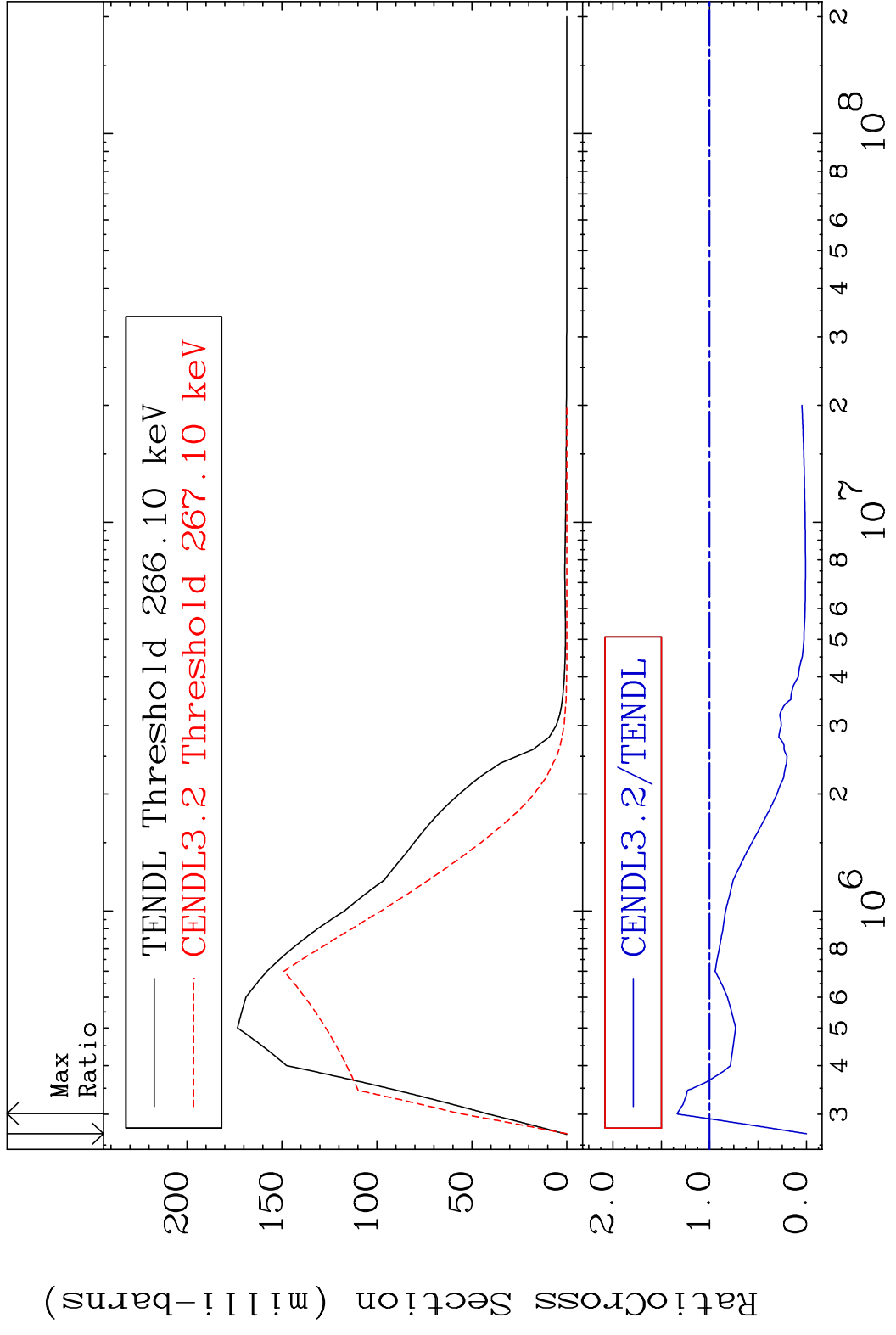
MAT 9549 MT= 58 (n,n') Level 95-Am-243  
 Cross Section -100.0 To 36.99 %



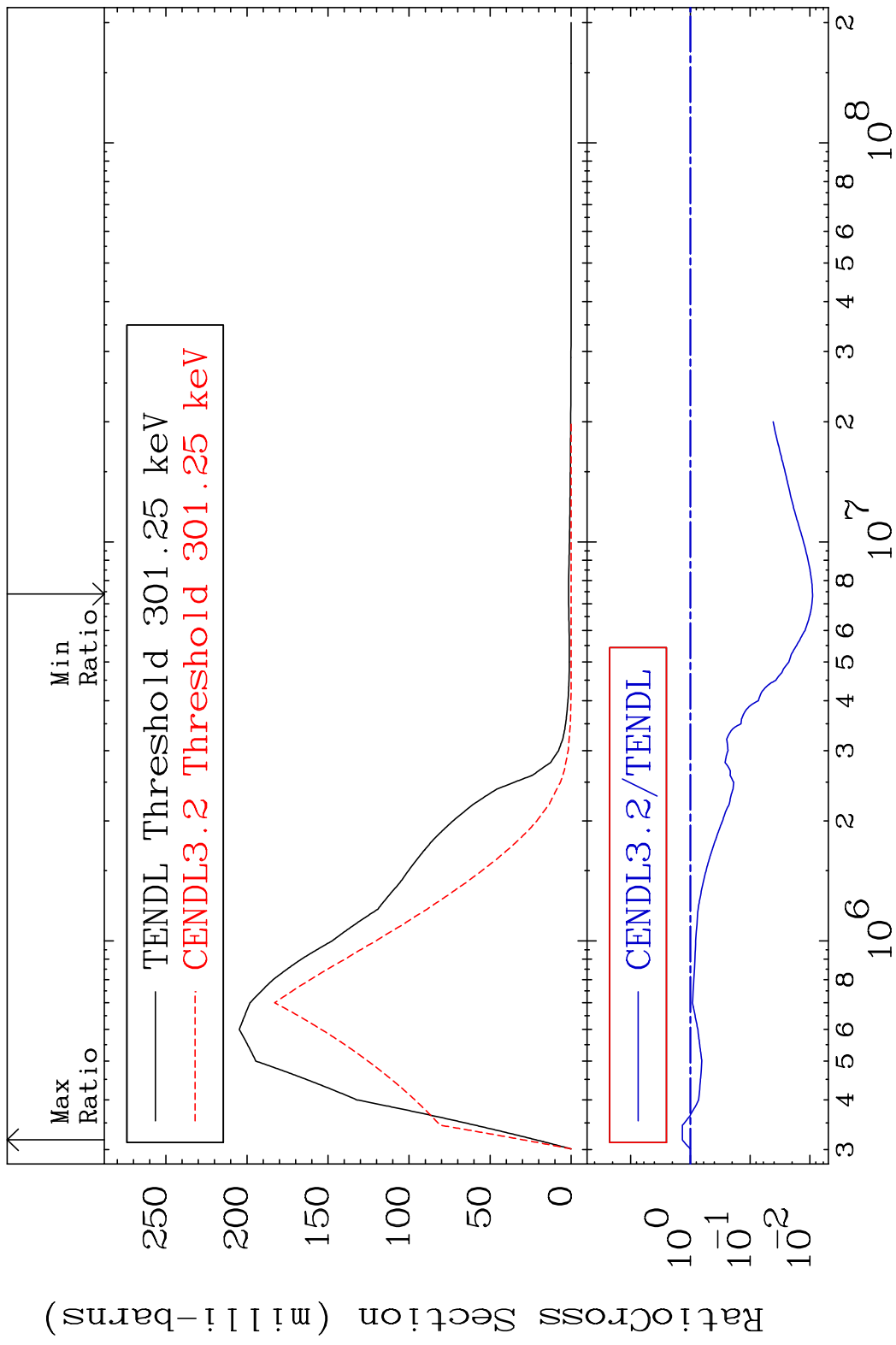
MAT 9549 MT= 59 (n, n') Level 95-Am-243  
 Cross Section -91.05 To 29.77 %



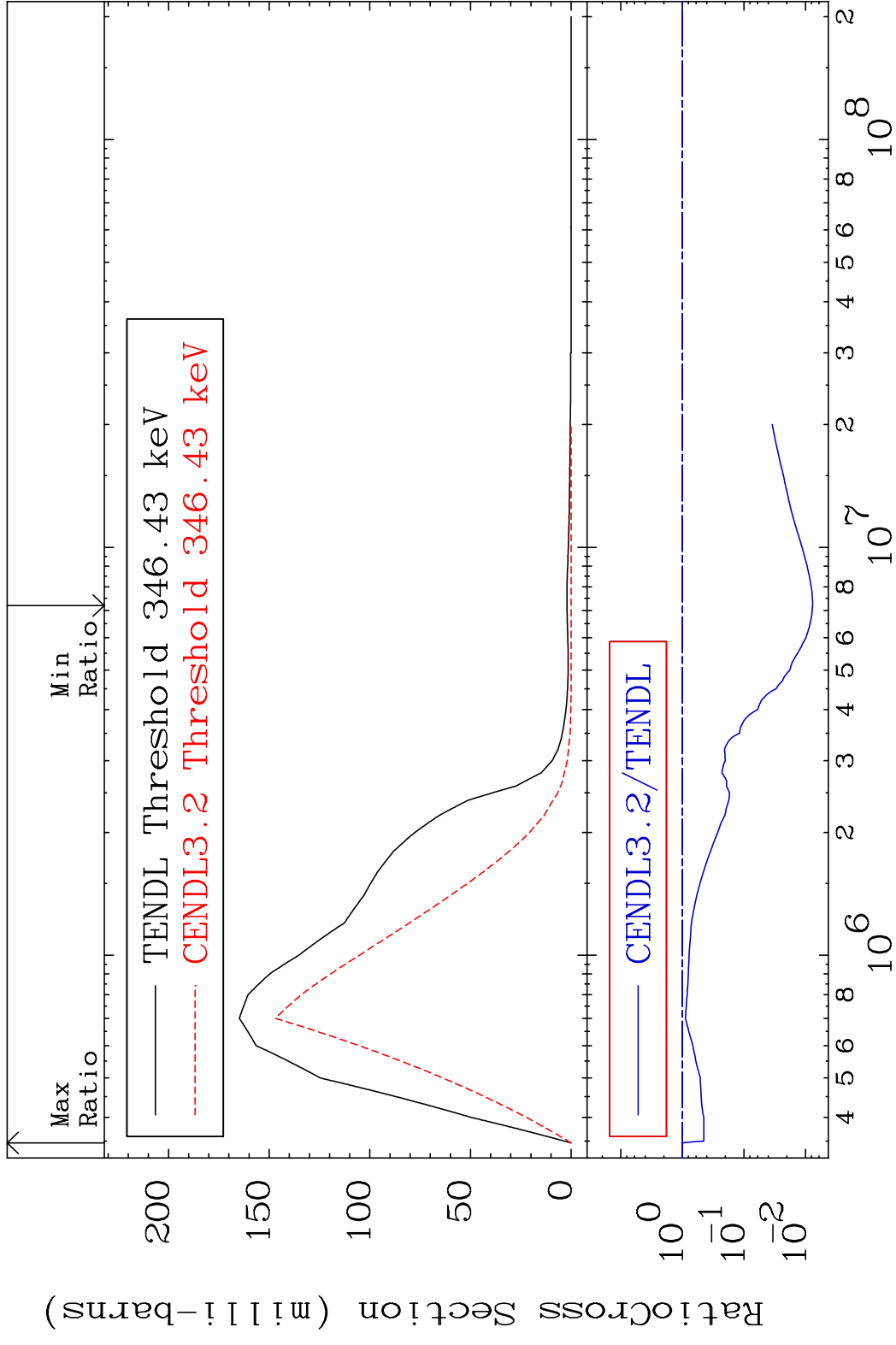
MAT 9549 MT= 60 (n, n') Level 95-Am-243  
 Cross Section -100.0 To 33.57 %



MAT 9549 MT= 61 (n, n') Level 95-Am-243  
 Cross Section -99.10 To 36.47 %



MAT 9549 MT= 62 (n, n') Level 95-Am-243  
 Cross Section -99.23 To 0.000 %

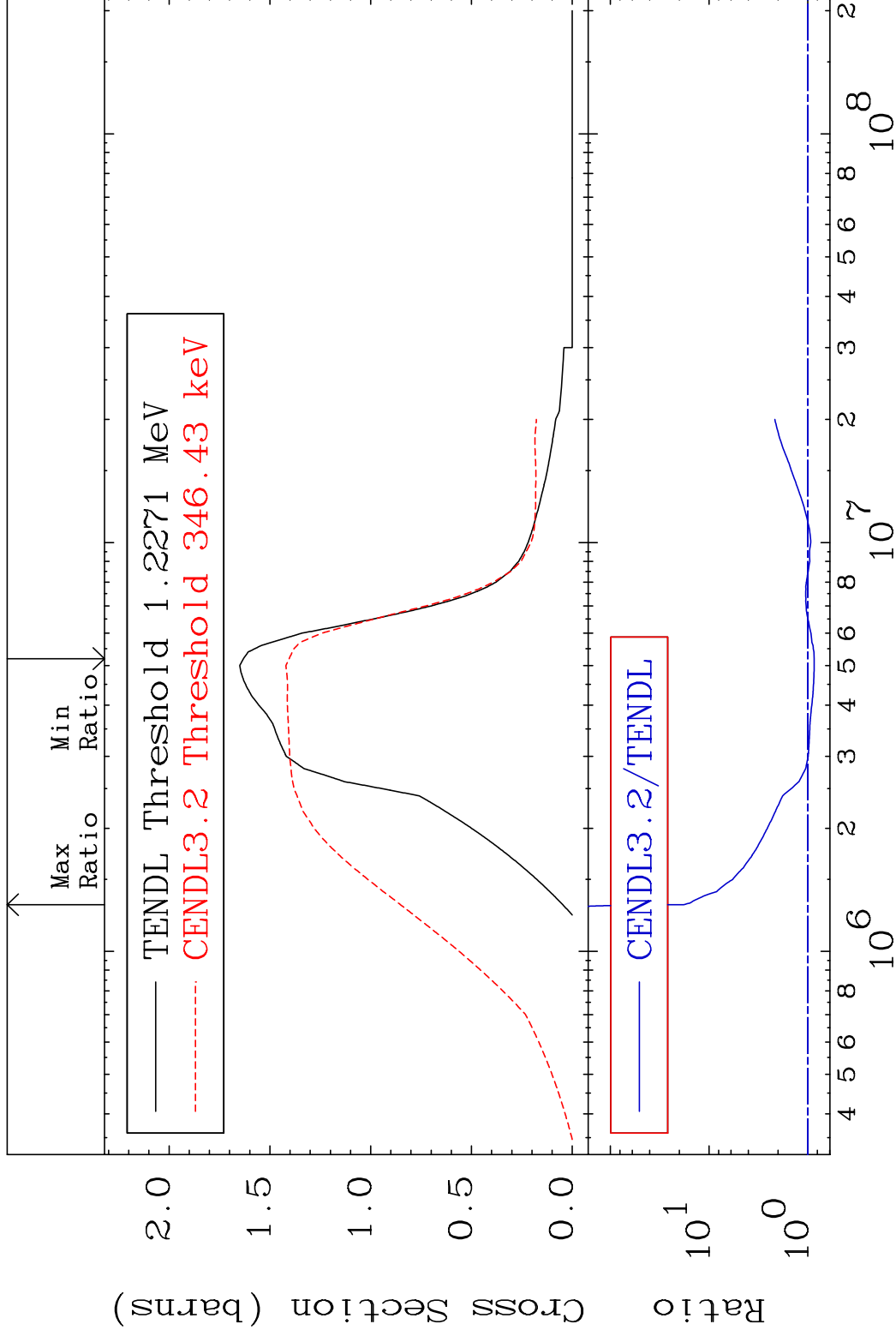


MAT 9549

(n, n') Continuum

95-Am-243

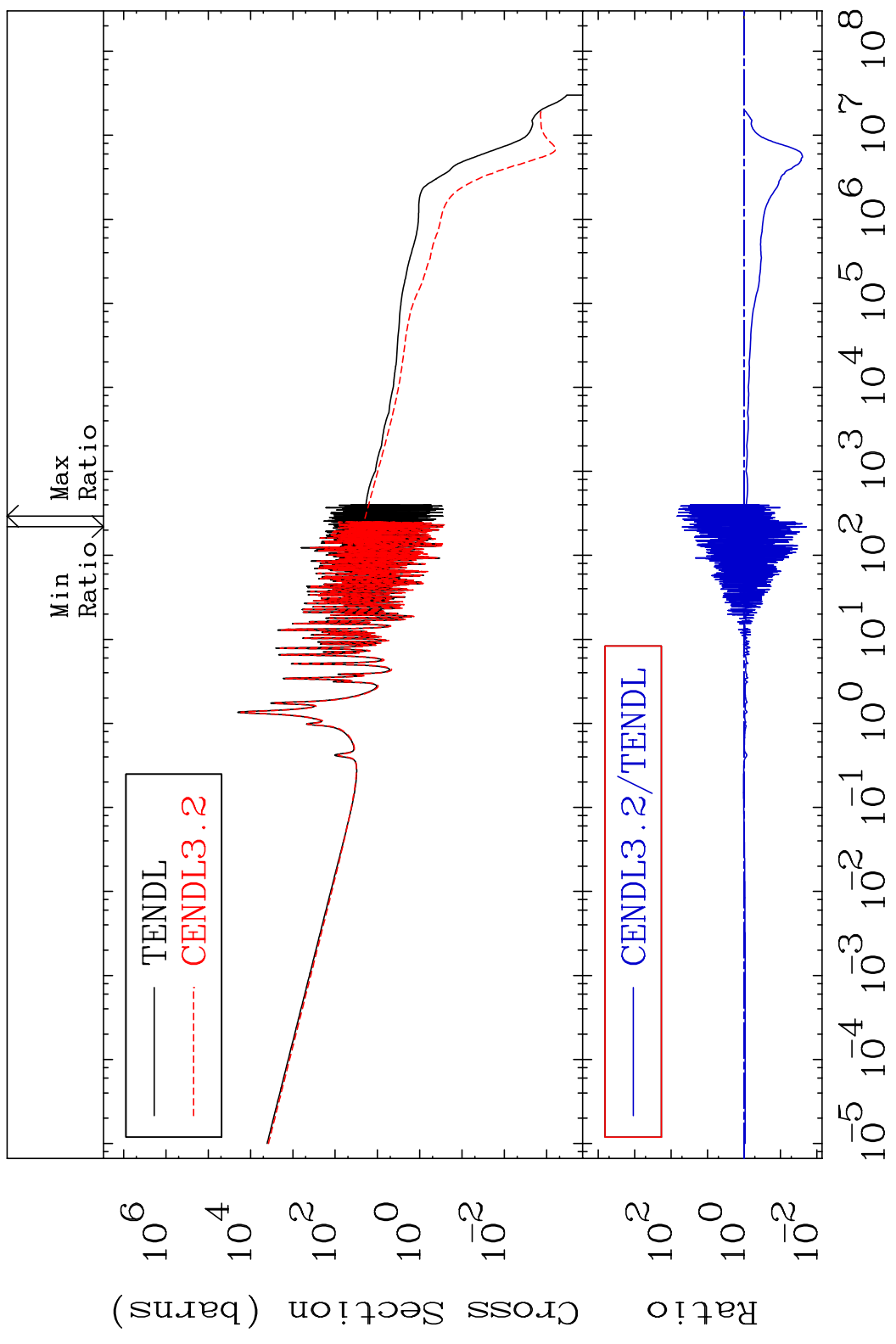
Cross Section -13.90 To 1708. %



MAT 9549

(n,  $\gamma$ )

Cross Section -98.07 To 6695. %  
95-Am-243



20

Incident Energy (eV)

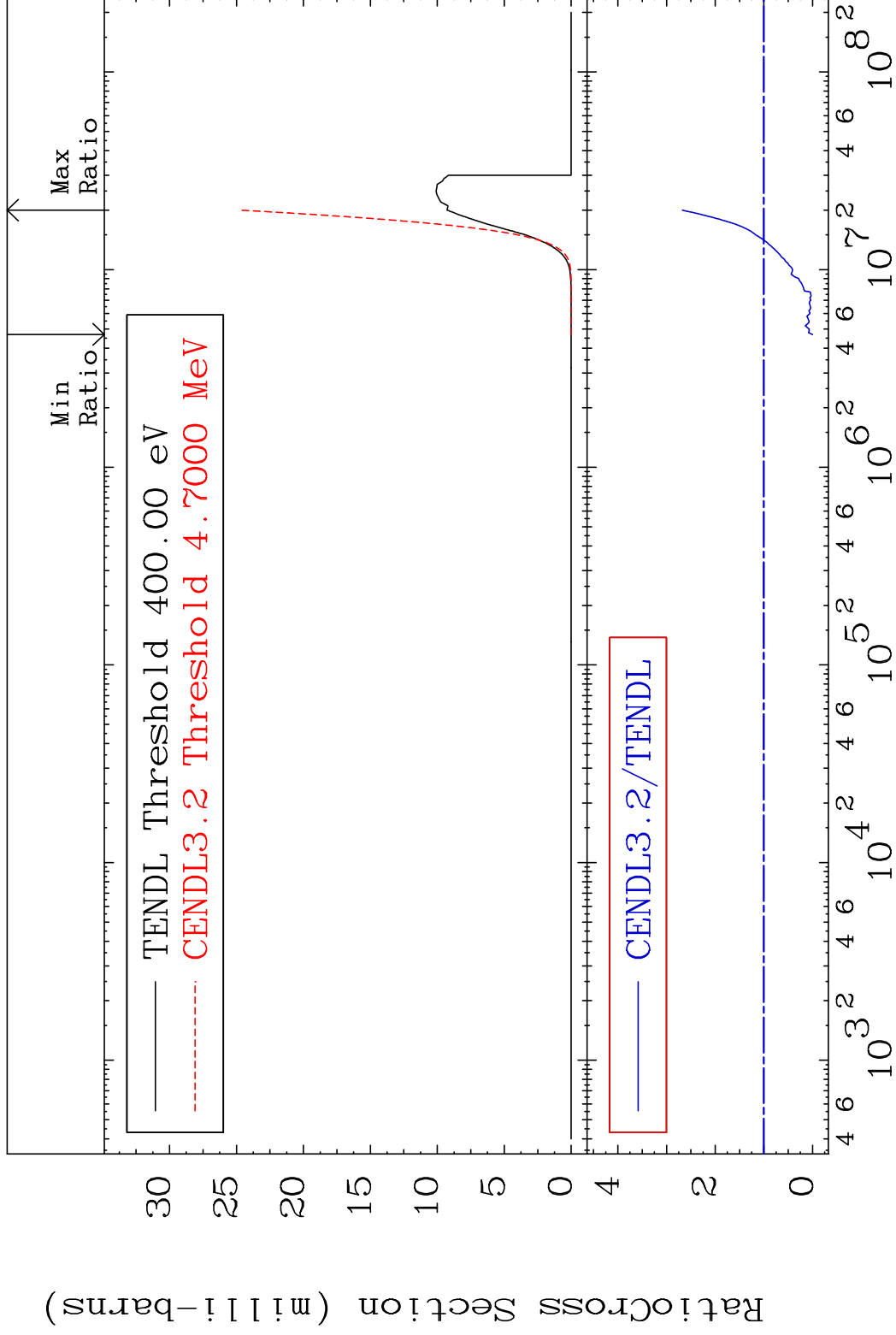
95-Am-243

MAT 9549

(n, p)

95-Am-243

Cross Section -100.0 To 167.5 %

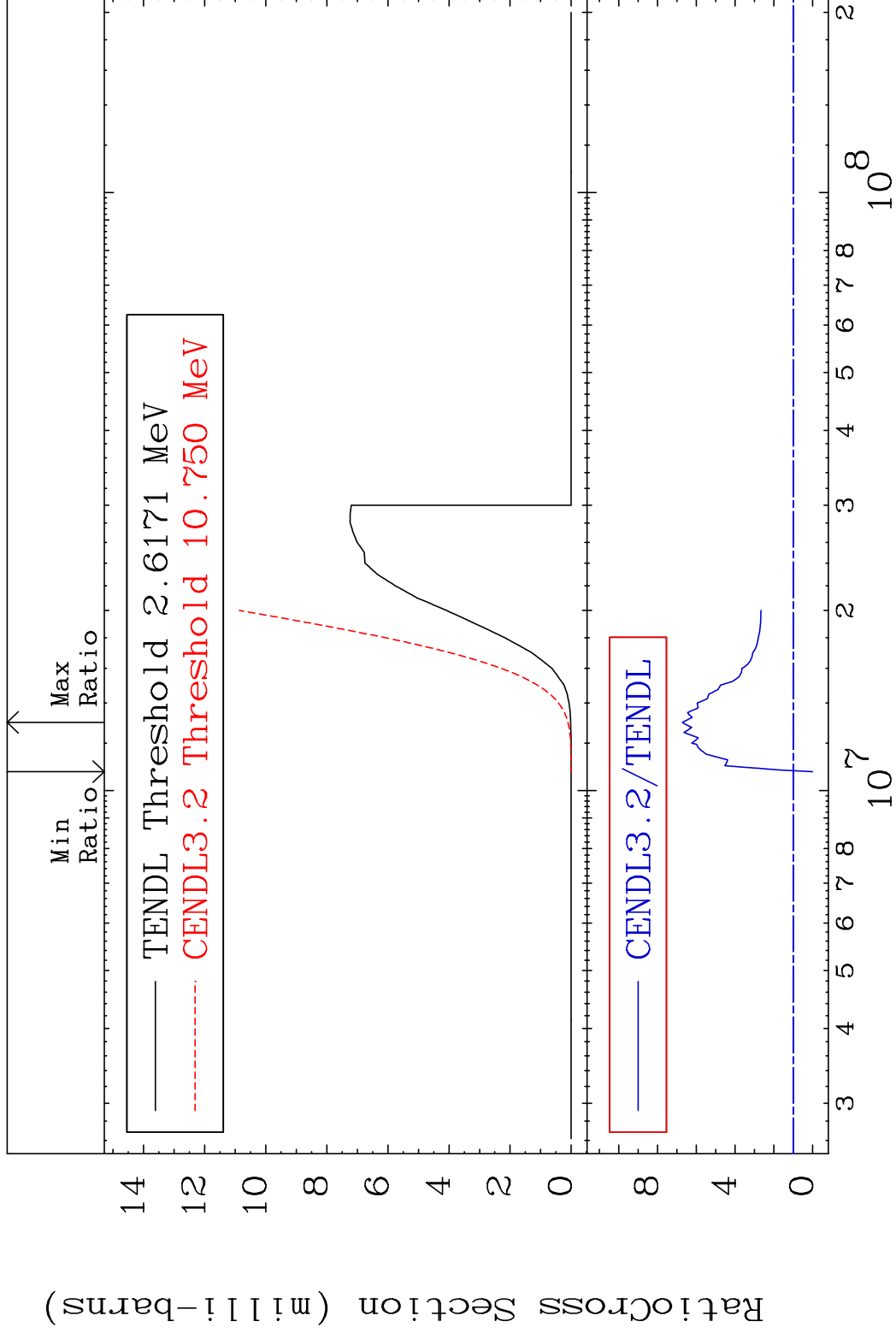


MAT 9549

(n, d)

95-Am-243

Cross Section -100.0 To 571.7 %

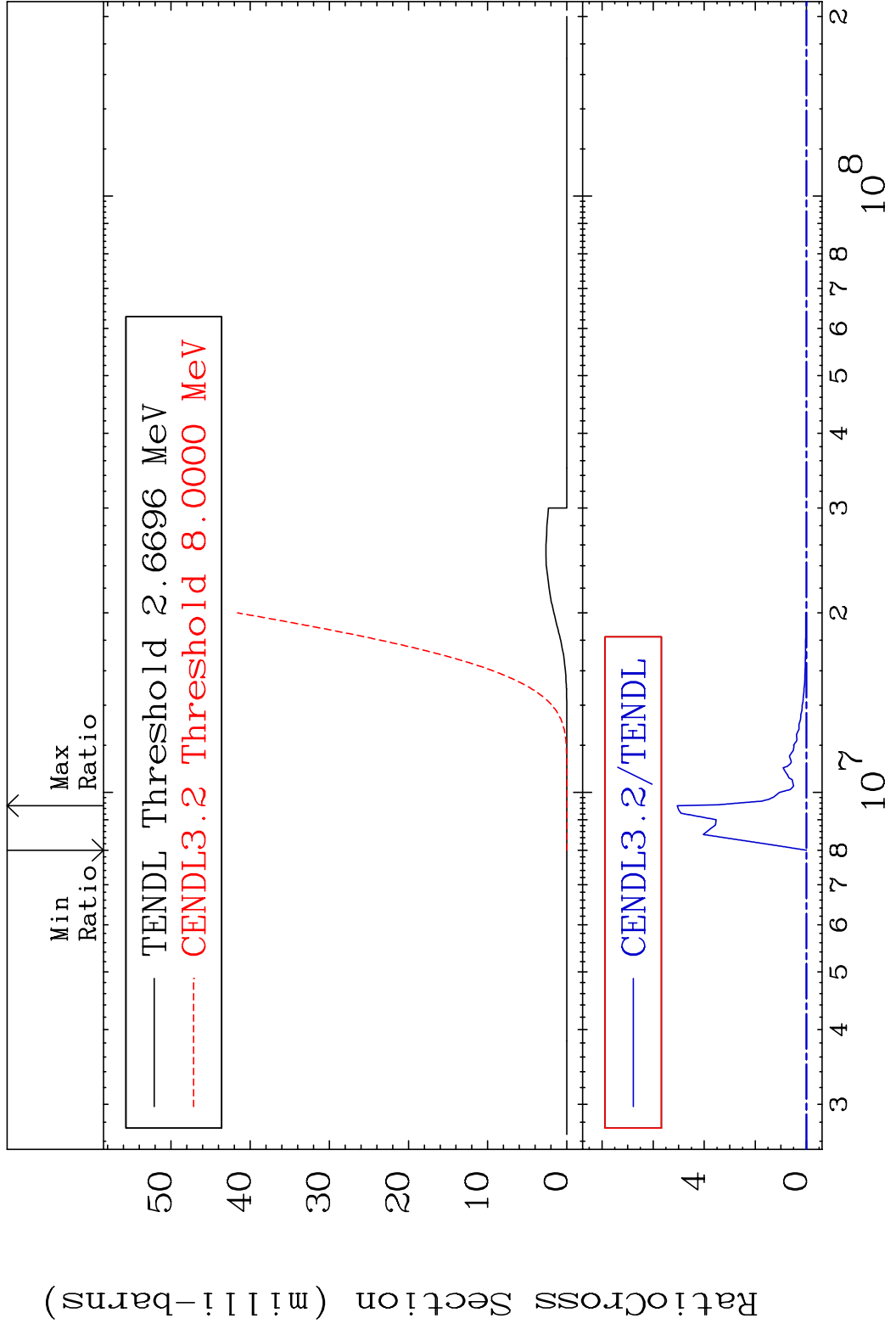


22

Incident Energy (eV)

95-Am-243

MAT 9549 (n, t) 95-Am-243  
 Cross Section -100.0 To 9999. %

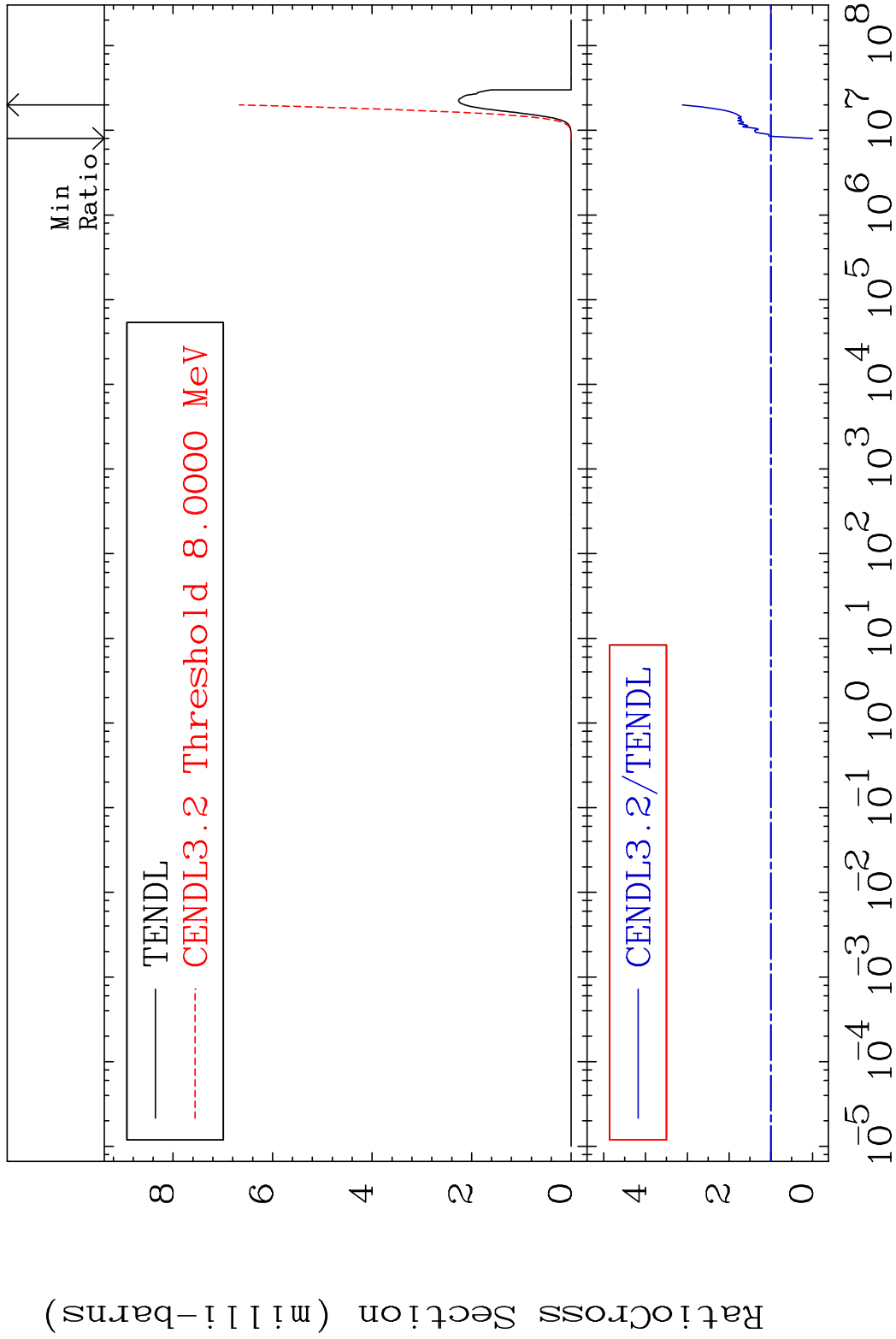


MAT 9549

(n,  $\alpha$ )

95-Am-243

Cross Section -100.0 To 211.8 %



24

Incident Energy (eV)

95-Am-243

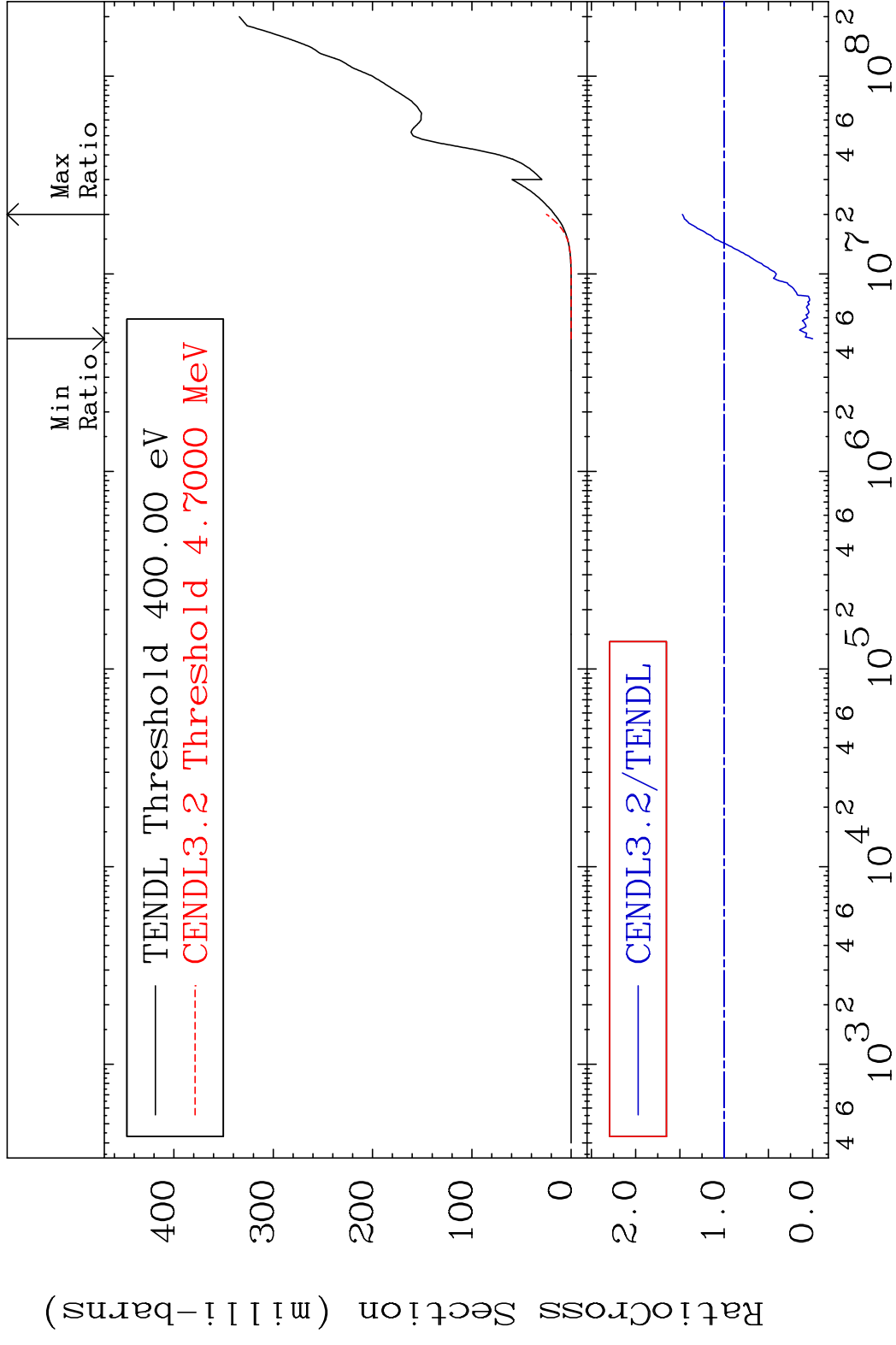
MAT 9549

Hydrogen Production

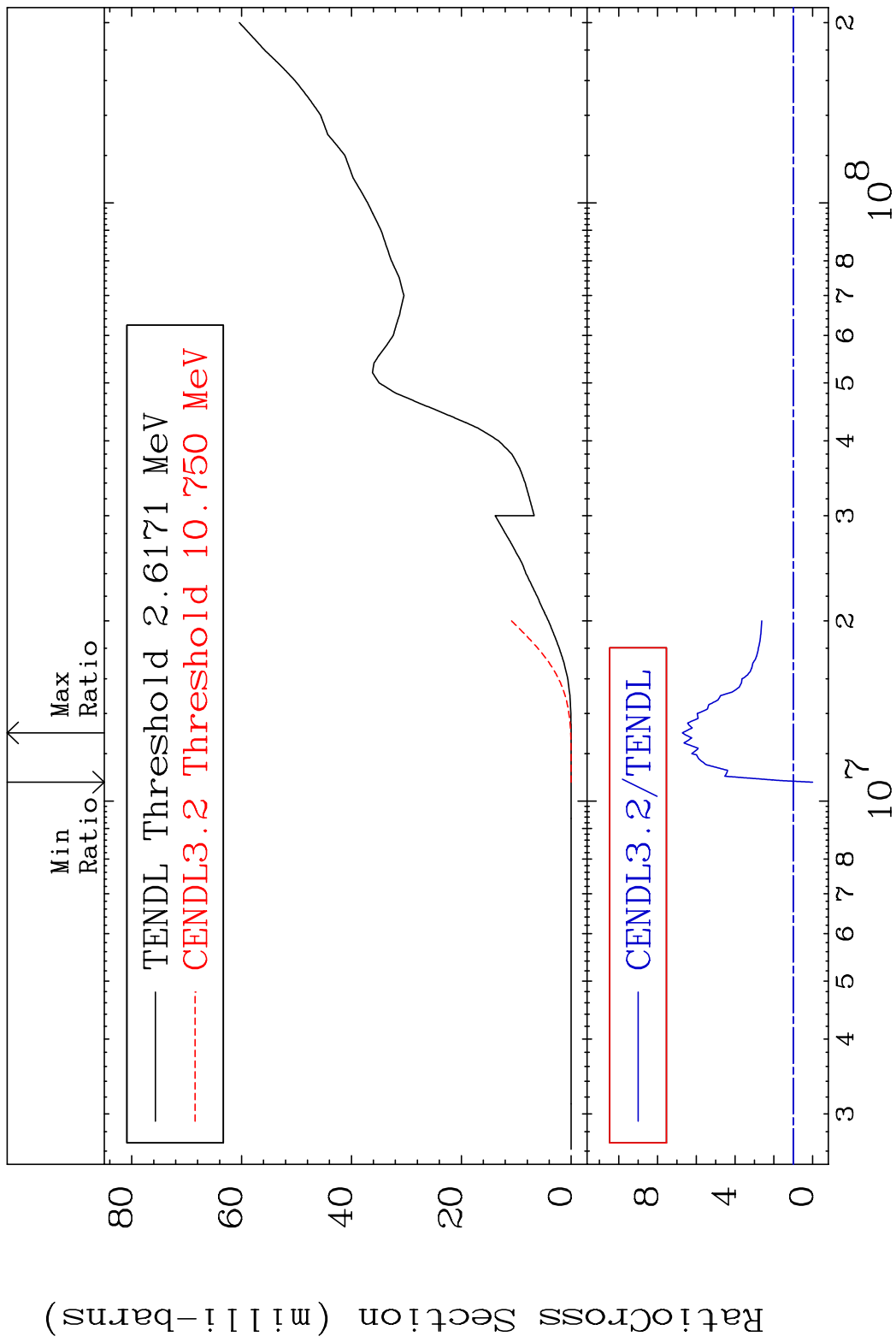
95-Am-243

Cross Section

-100.0 To 47.18 %

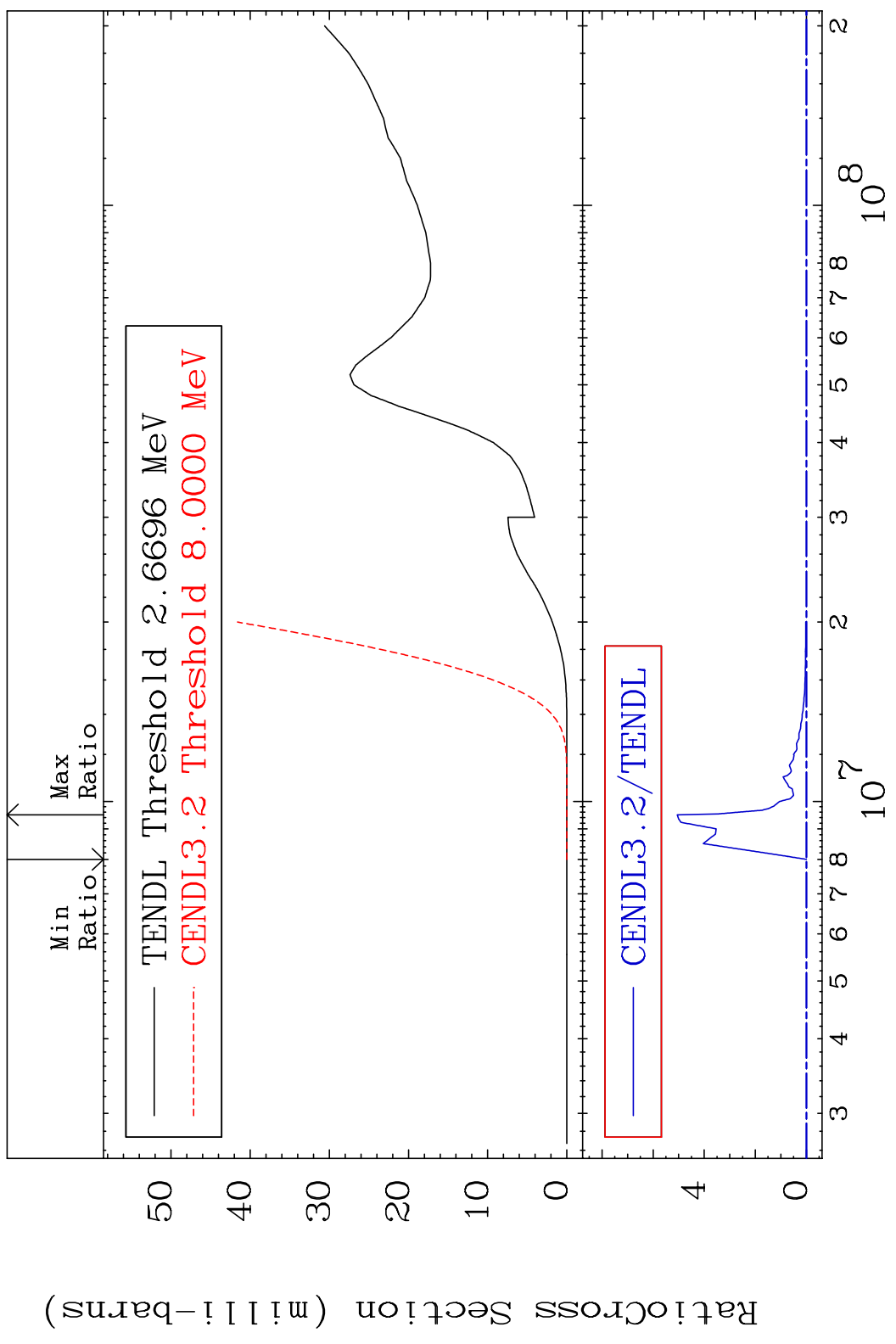


MAT 9549 Deuterium Production 95-Am-243  
 Cross Section -100.0 To 571.7 %



MAT 9549

Tritium Production 95-Am-243  
Cross Section -100.0 To 9999. %

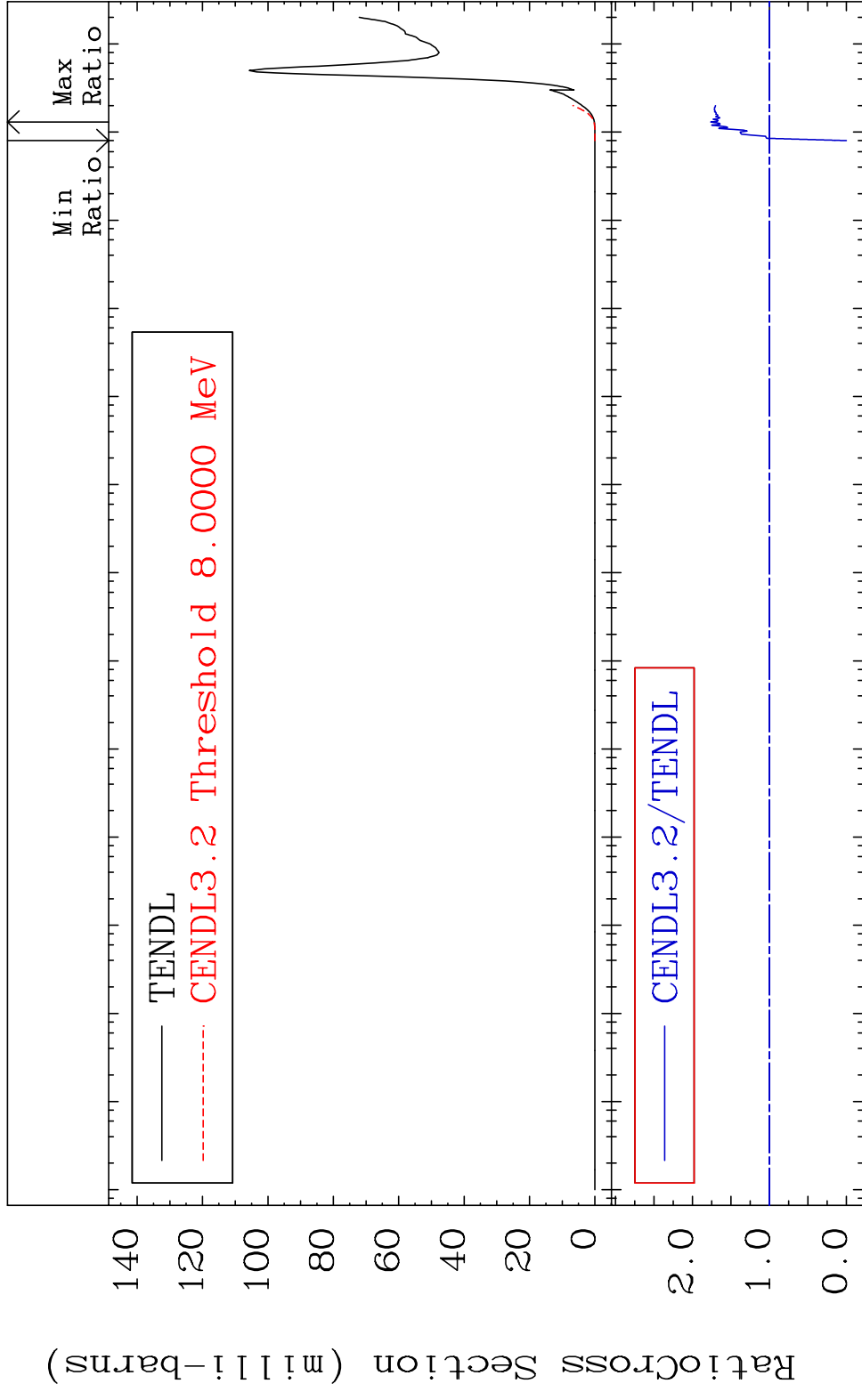


MAT 9549

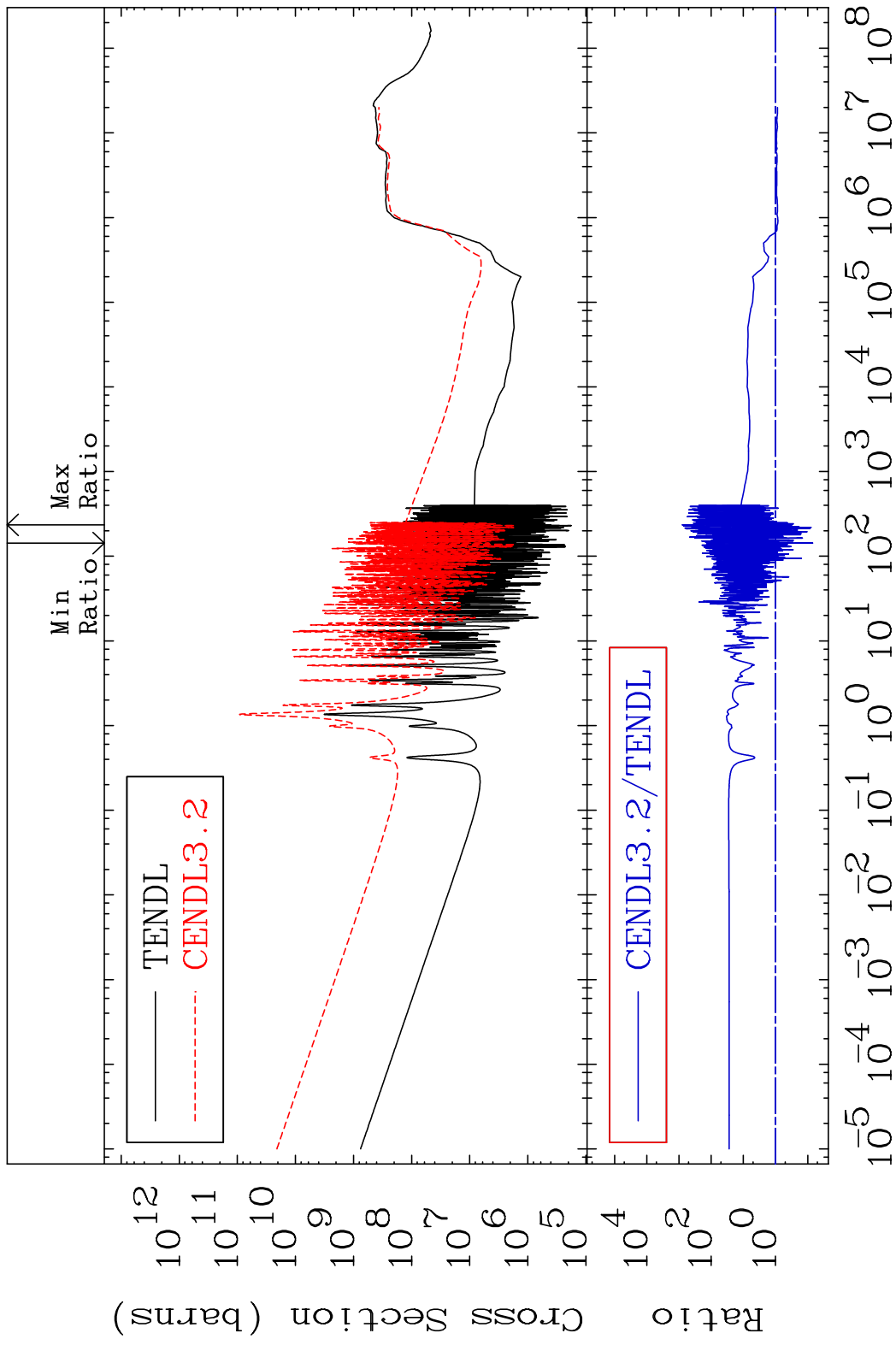
He-4 Production

95-Am-243

Cross Section -100.0 To 76.22 %



MAT 9549 Kerma total (eV-barns) 95-Am-243  
 Cross Section -92.92 To 9999. %

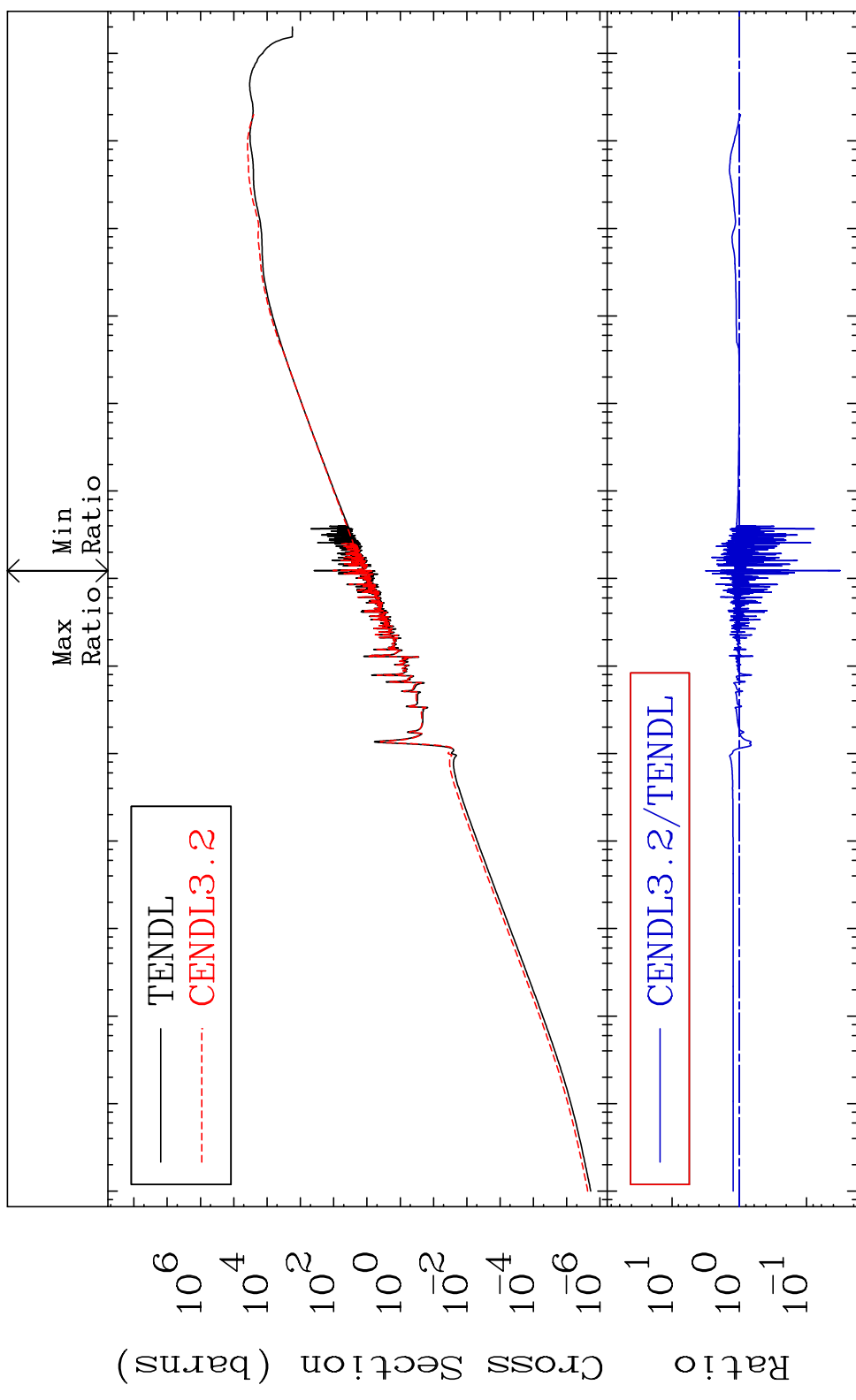


29 Incident Energy (eV) 95-Am-243

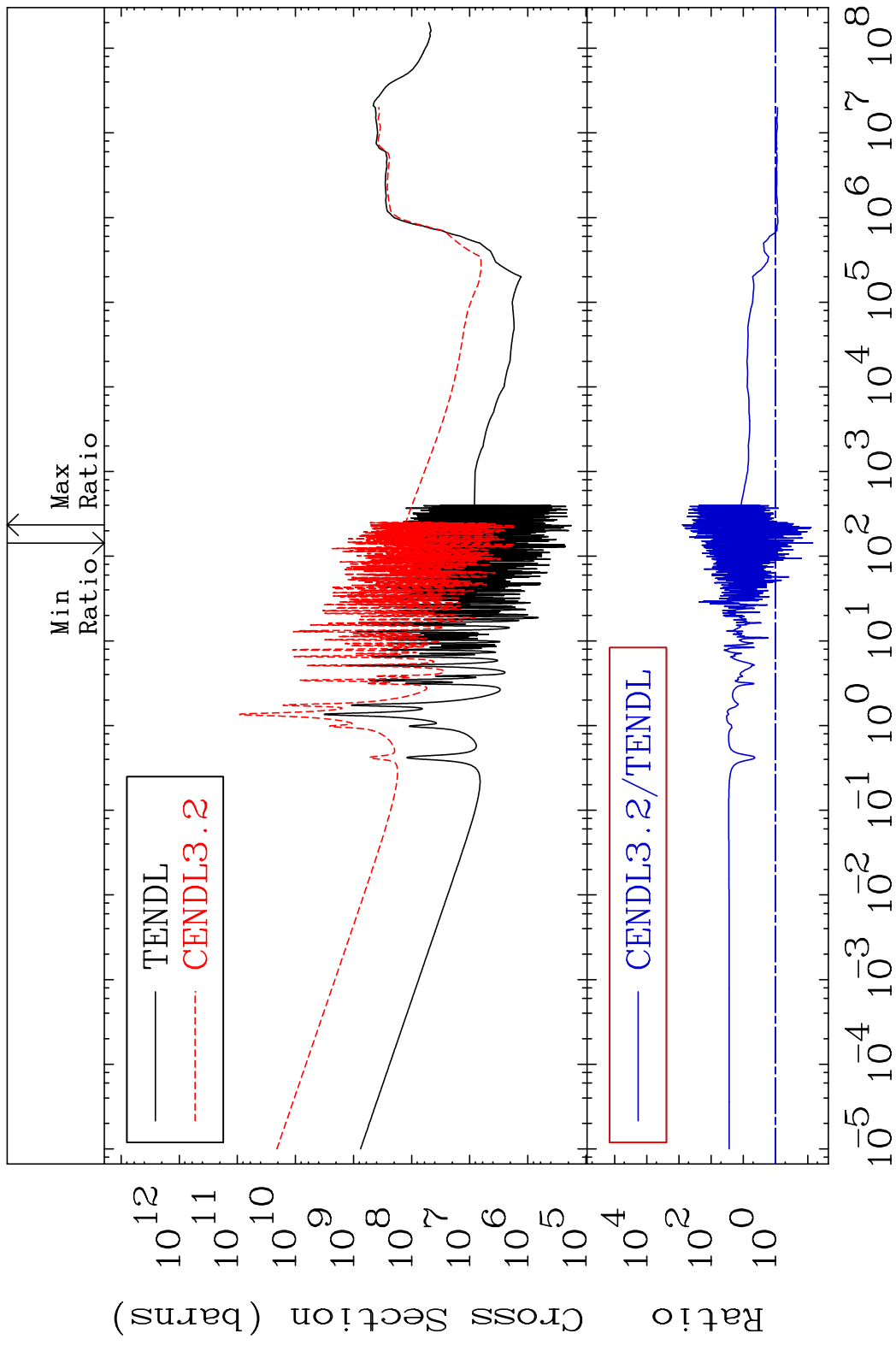
MAT 9549

Kerma elastic Cross Section -96.86 To 215.0 %

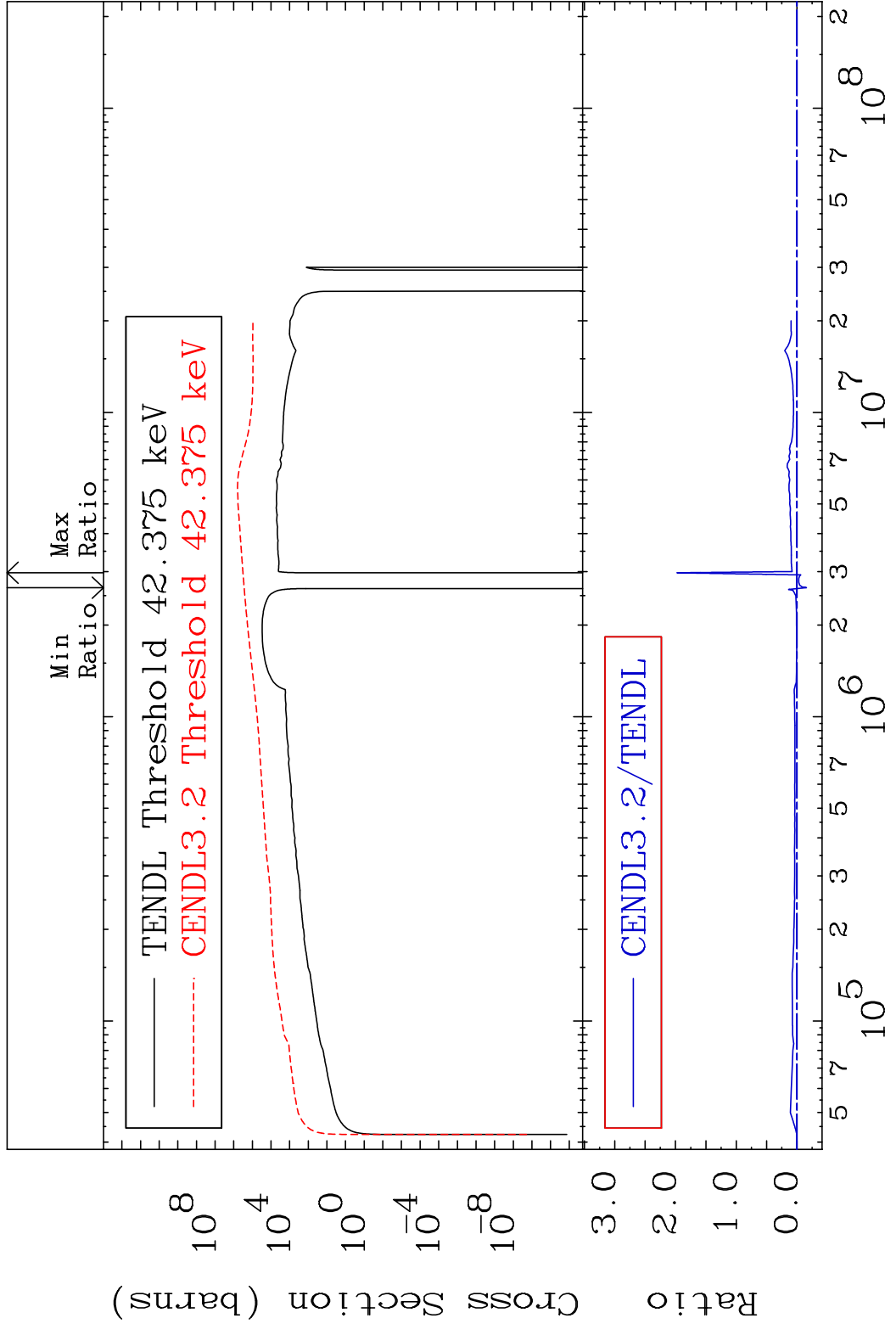
95-Am-243



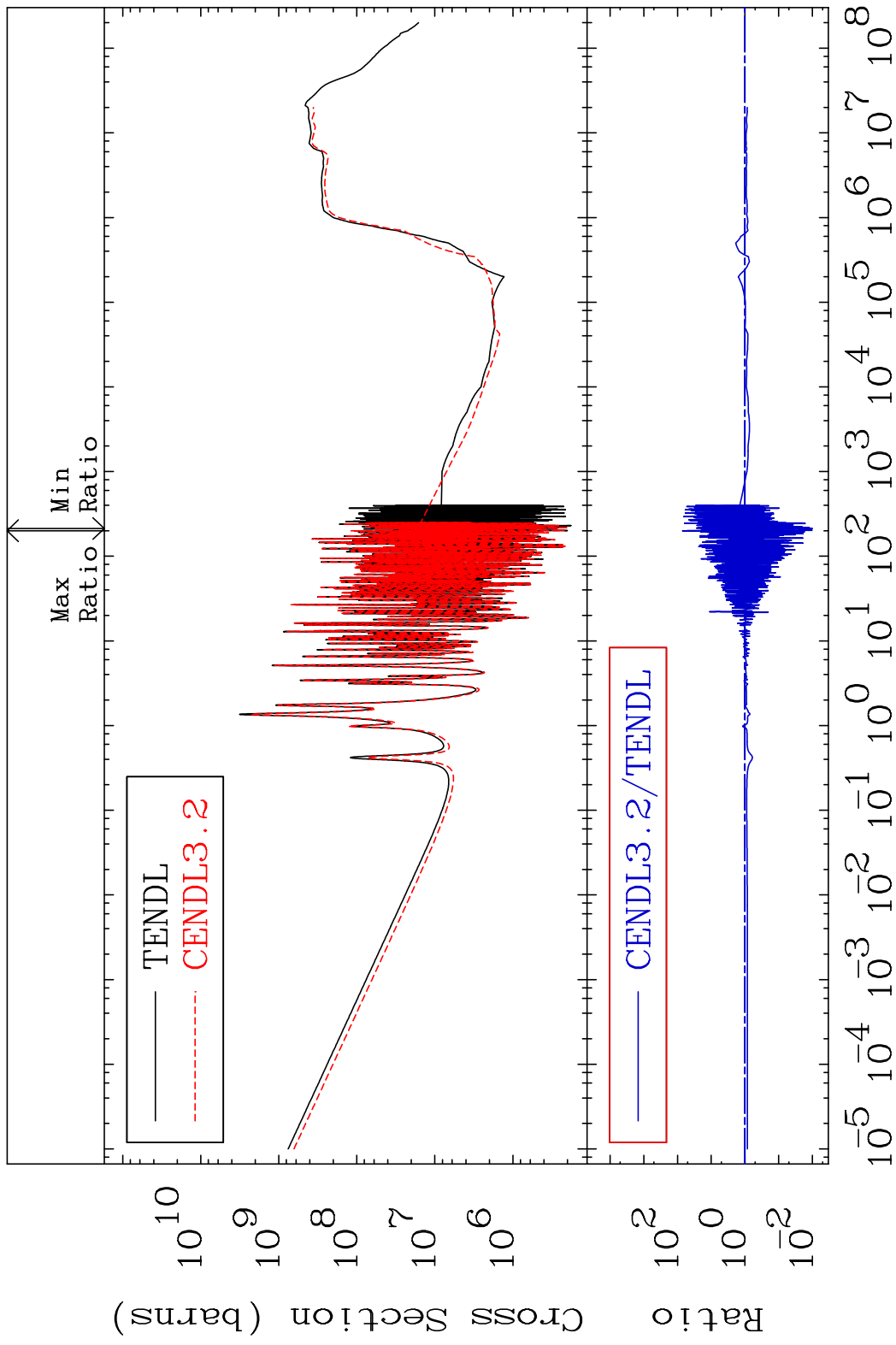
MAT 9549 Kerma non-elastic (all but mt2) 95-Am-243  
 Cross Section -92.92 To 9999. %

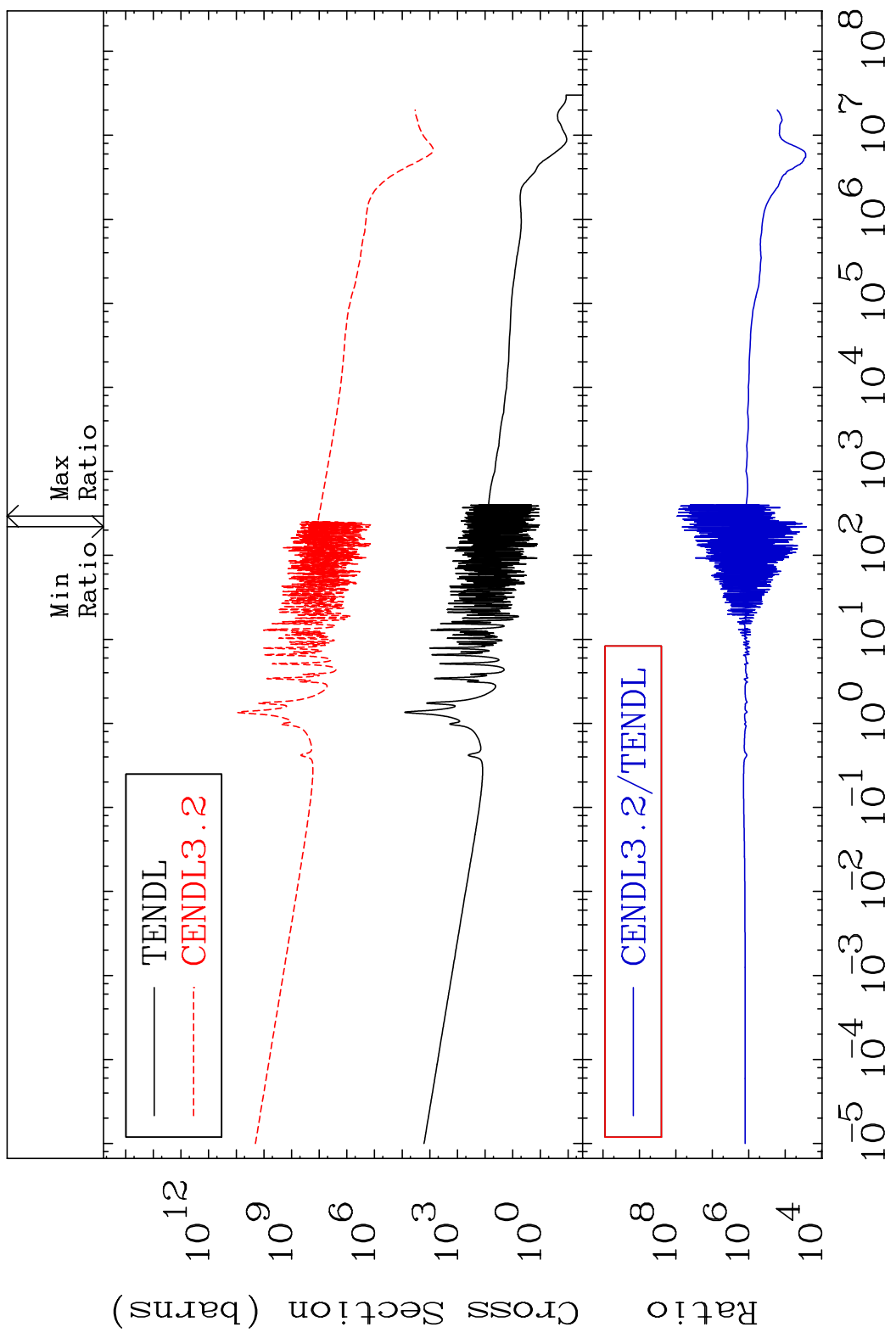


MAT 9549 Kerma inelastic (mt51-91) 95-Am-243  
 Cross Section -9999. To 9999. %

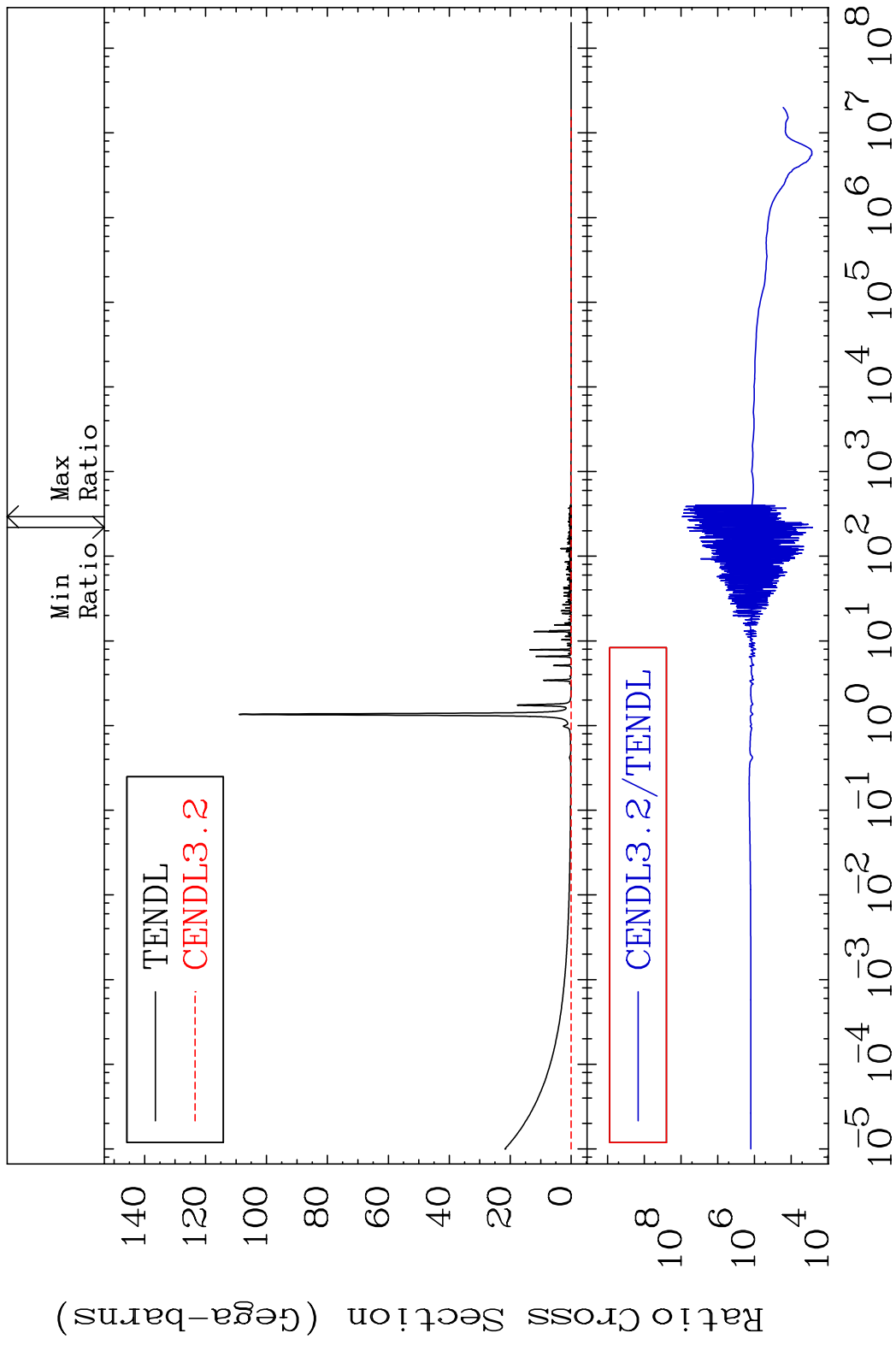


MAT 9549 Kerma fission (mt18 or mt19-20-21-38) 95-Am-243  
 Cross Section -99.01 To 7079. %



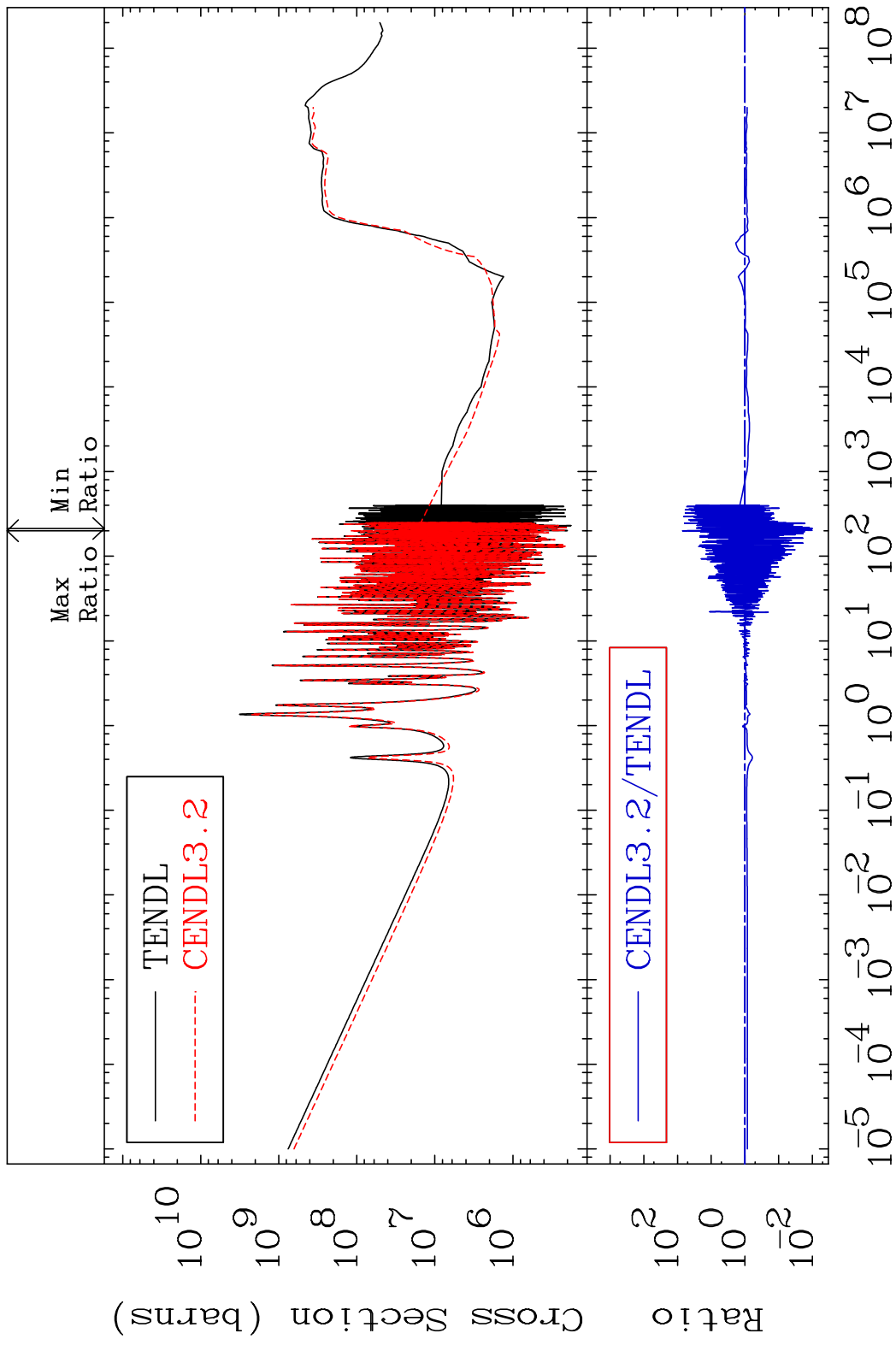


MAT 9549 Total photon (eV-barns) 95-Am-243  
Cross Section 9999. To 9999. %

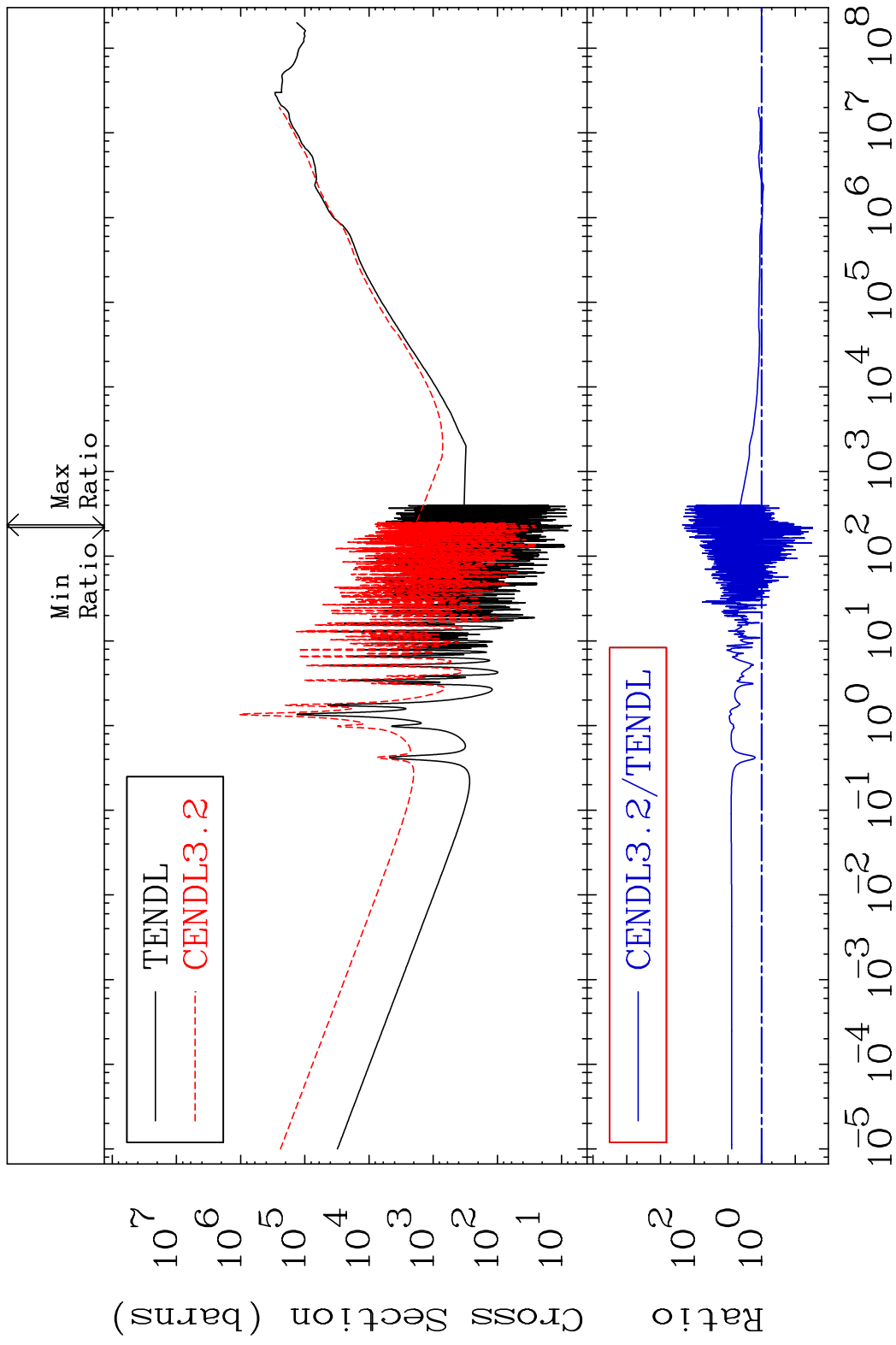


35 Incident Energy (eV) 95-Am-243

MAT 9549 Total kinematic kerma (high limit) 95-Am-243  
 Cross Section -99.01 To 7079. %



MAT 9549 Dpa total (eV-barns) 95-Am-243  
 Cross Section -96.92 To 9999. %

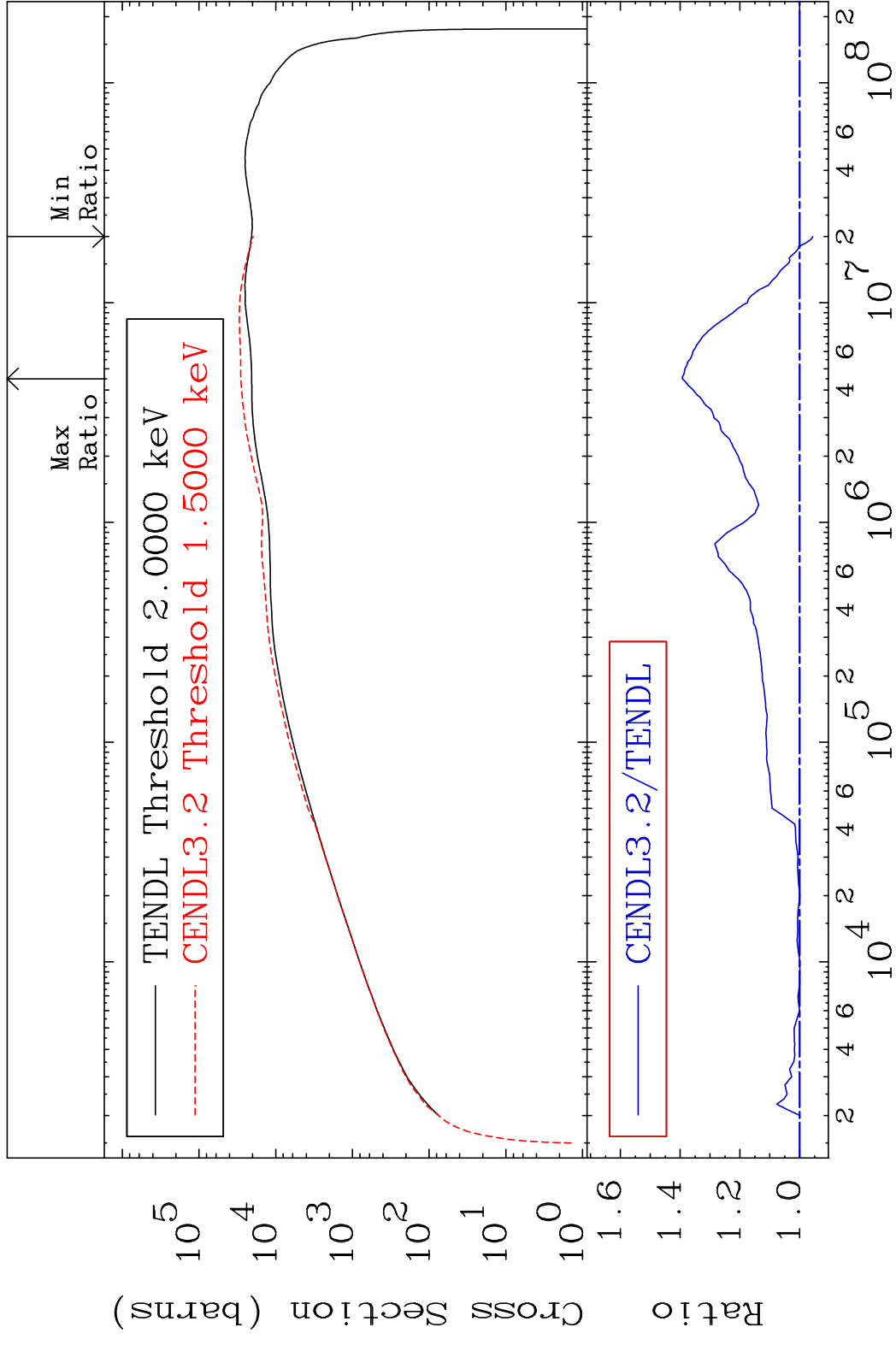


MAT 9549

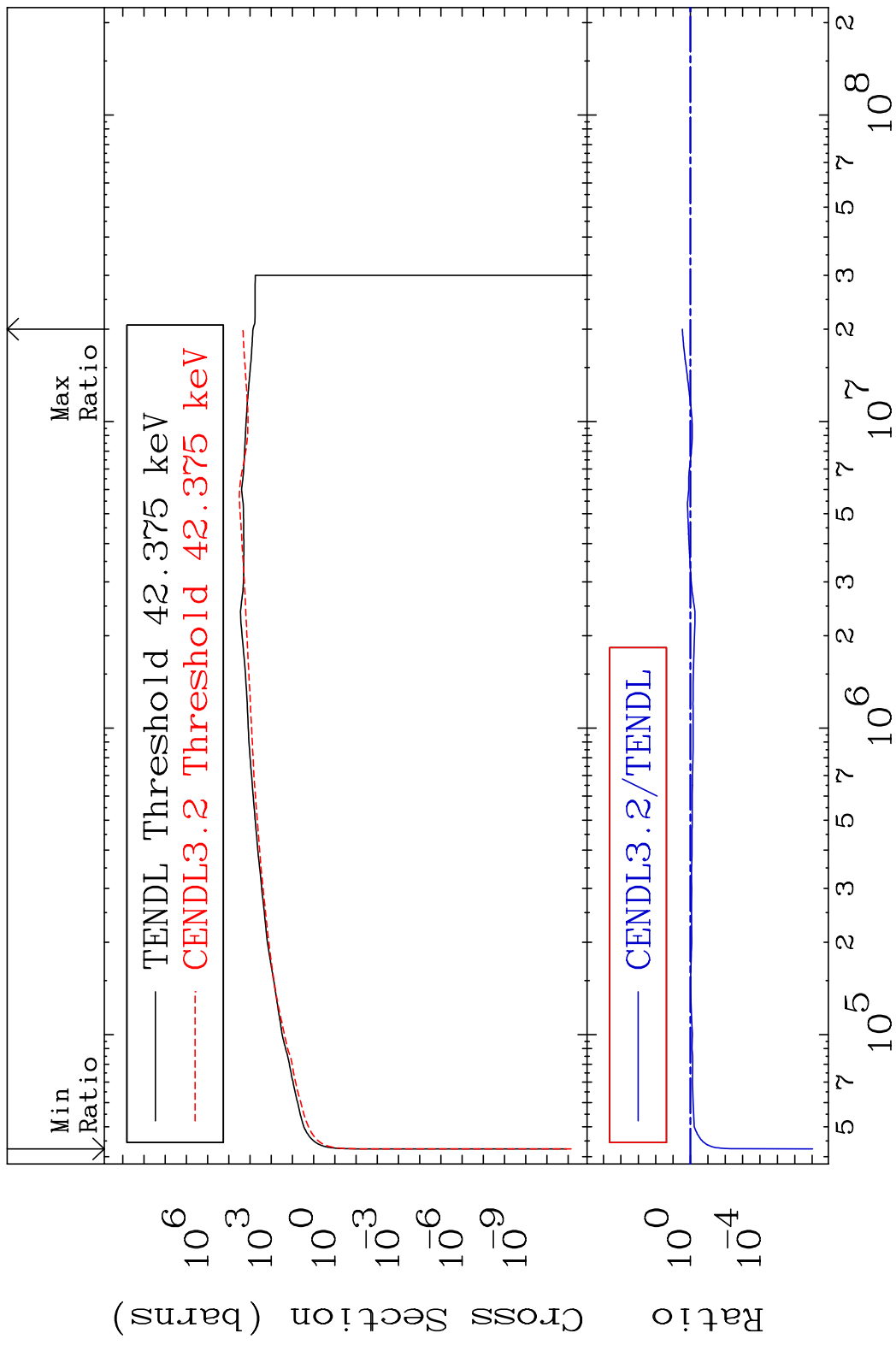
Dpa elastic (mt2)

95-Am-243

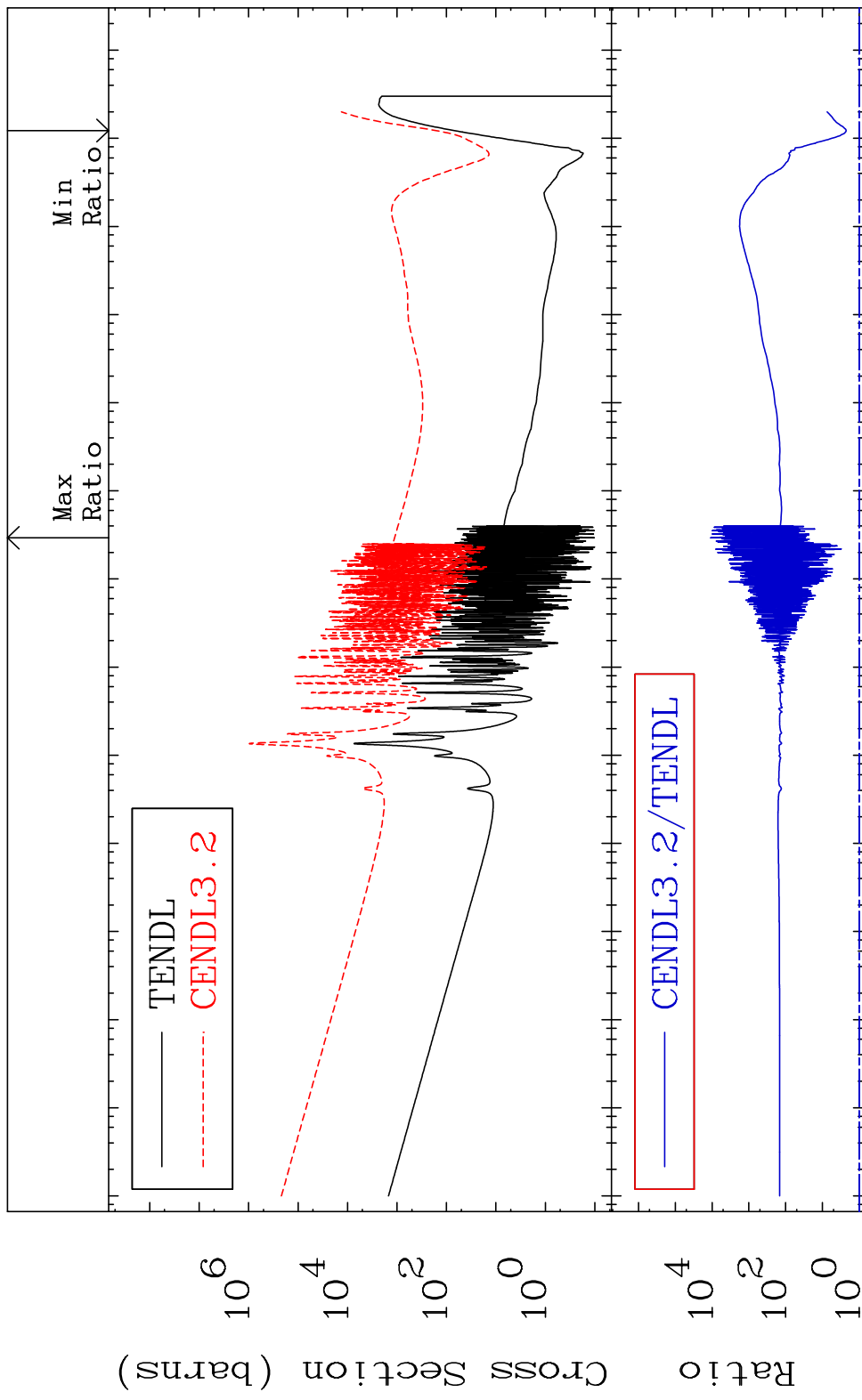
Cross Section -4.295 To 39.27 %



MAT 9549      Dpa inelastic (mt51-91)      95-Am-243  
 Cross Section      -100.0 To 192.8 %



MAT 9549 Dpa disappearance (mt102 -120) 95-Am-243  
 Cross Section 124.7 To 9999. %



40 Incident Energy (eV) 95-Am-243