

Program Complot
(Version 2018-1)

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

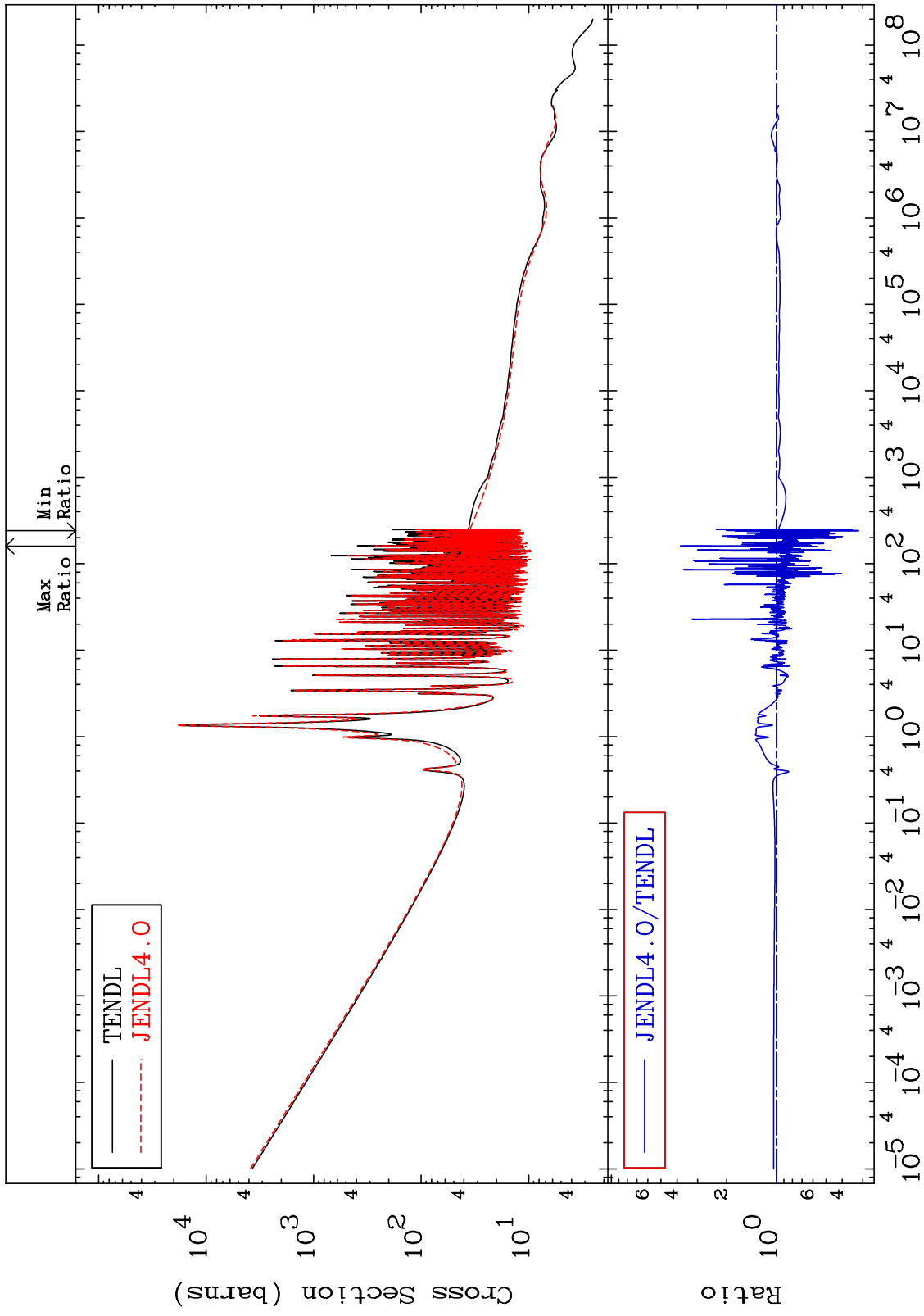
Press Mouse Button to Start

MAT 9549

Total
Cross Section

95-Am-243

-68.33 To 282.4 %

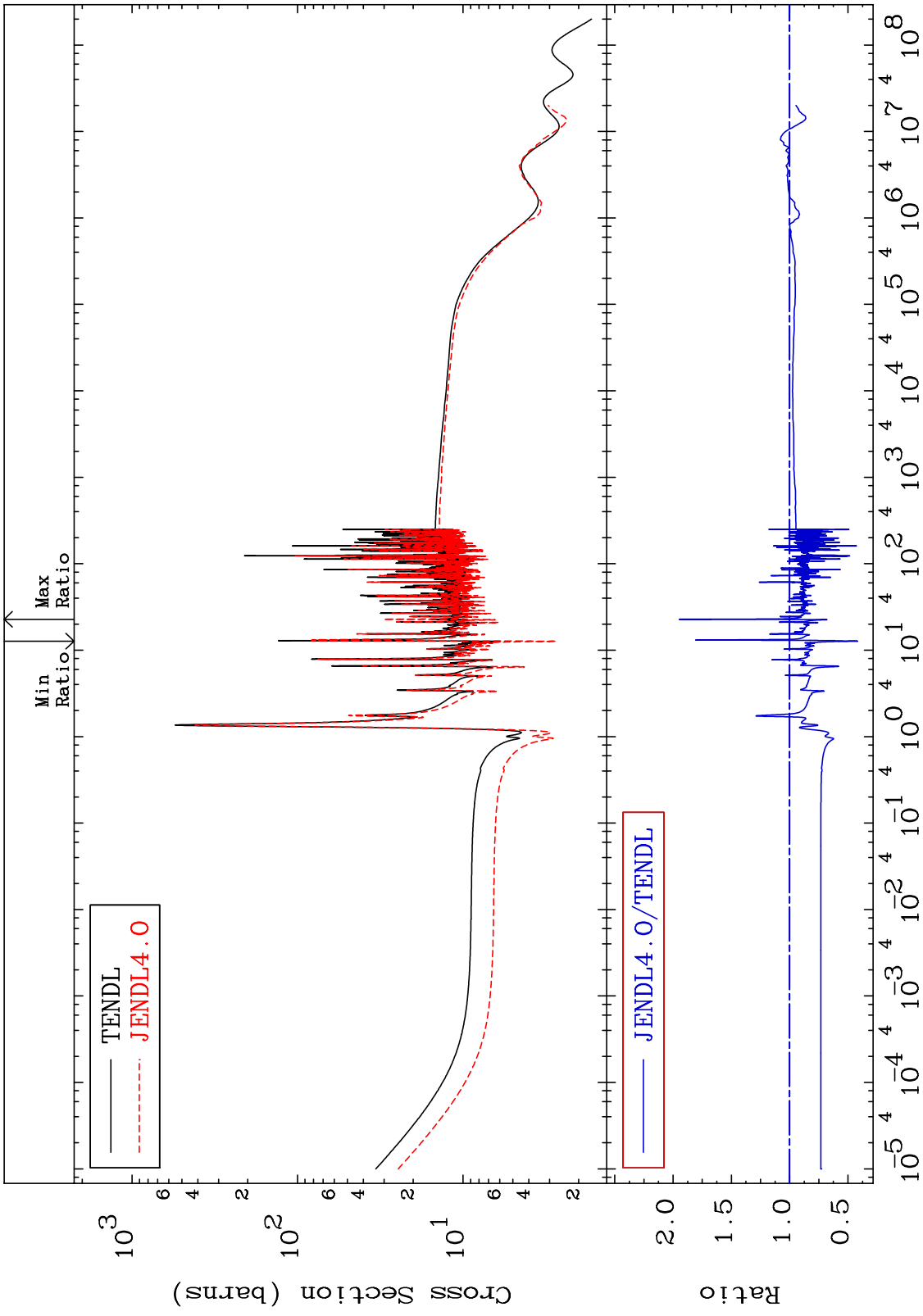


1

Incident Energy (eV)

95-Am-243

MAT 9549 Elastic Cross Section 95-Am-243 -58.46 To 94.89 %

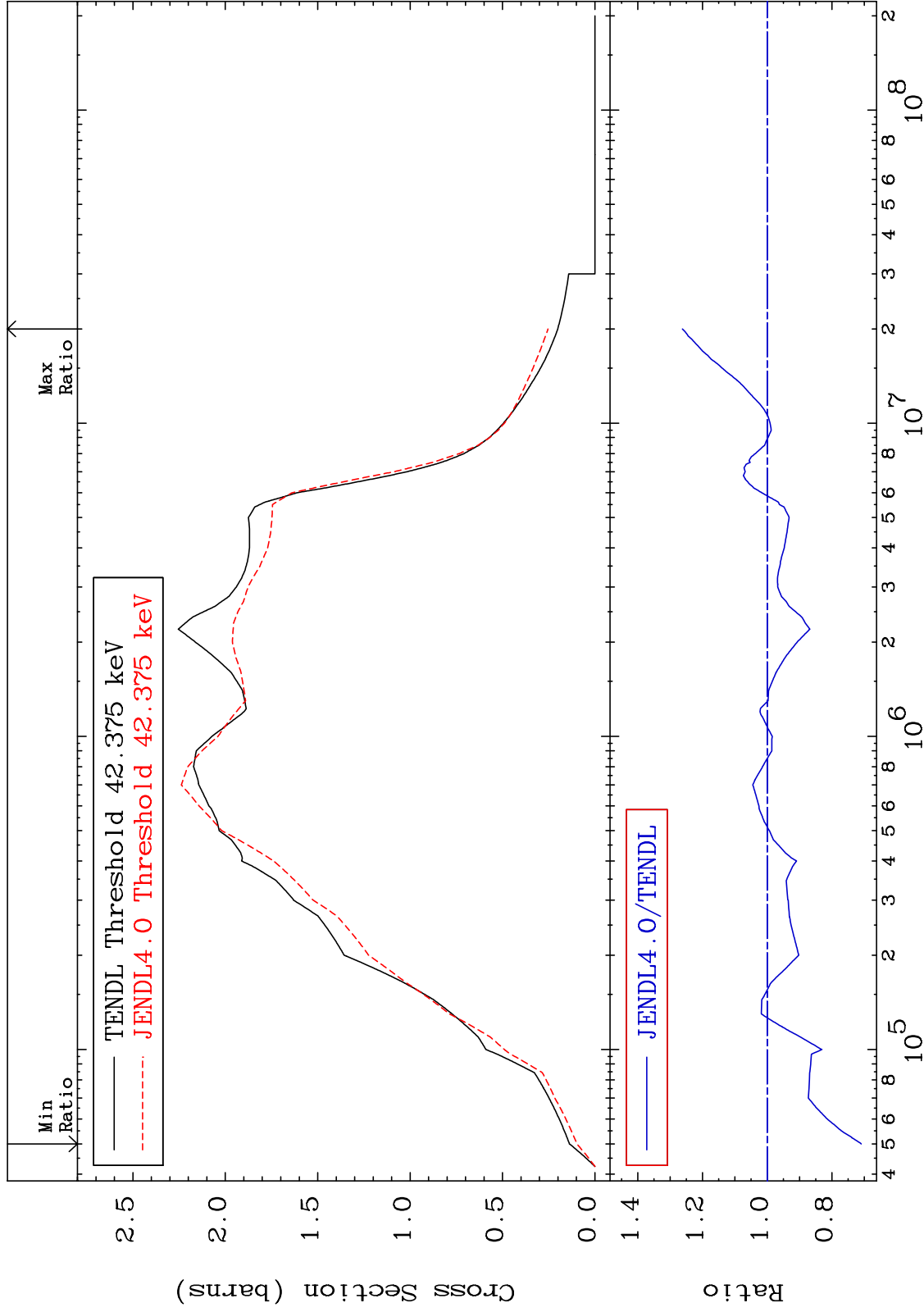


2 95-Am-243

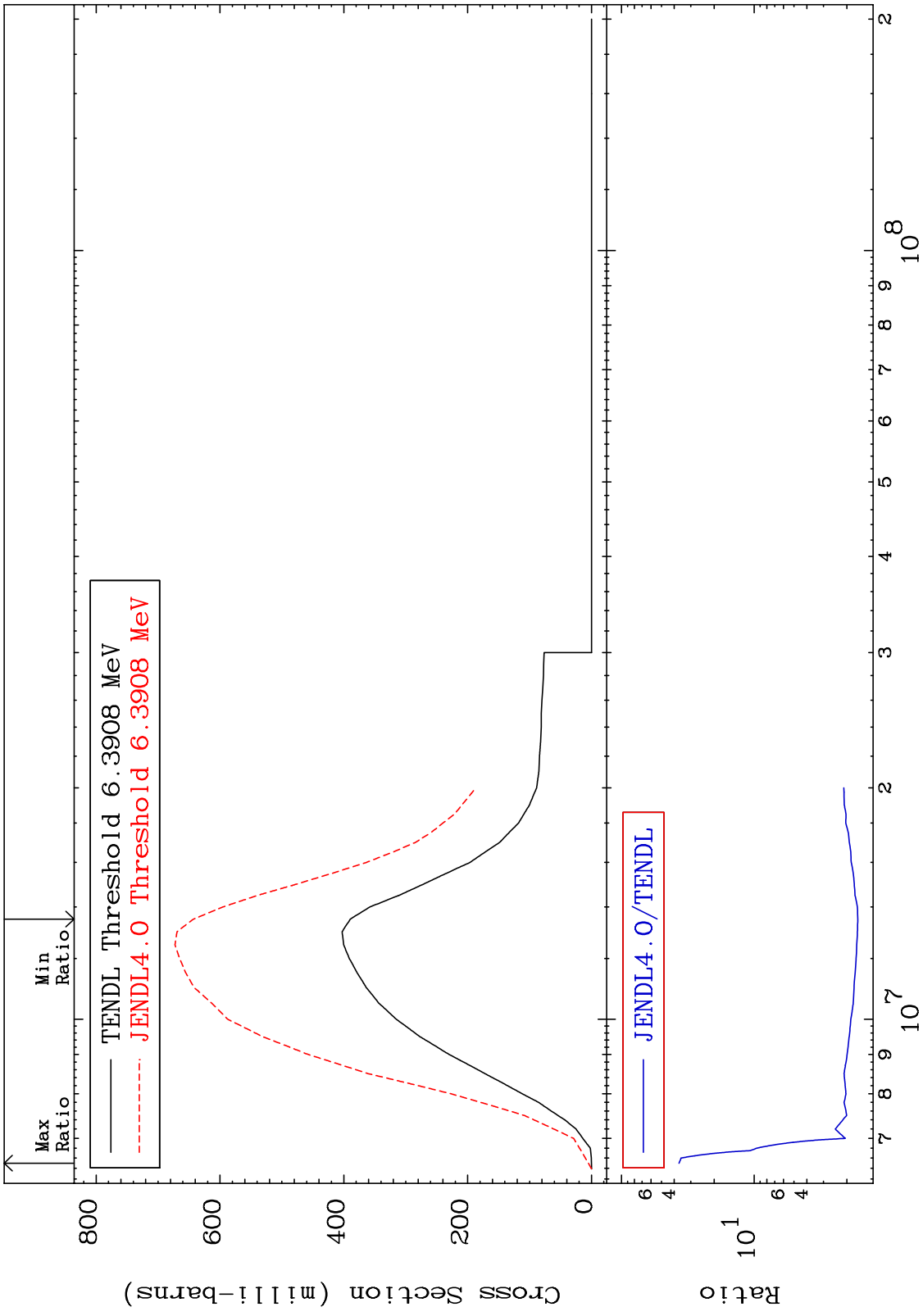
MAT 9549

Inelastic
Cross Section

95-Am-243
-29.10 To 26.18 %

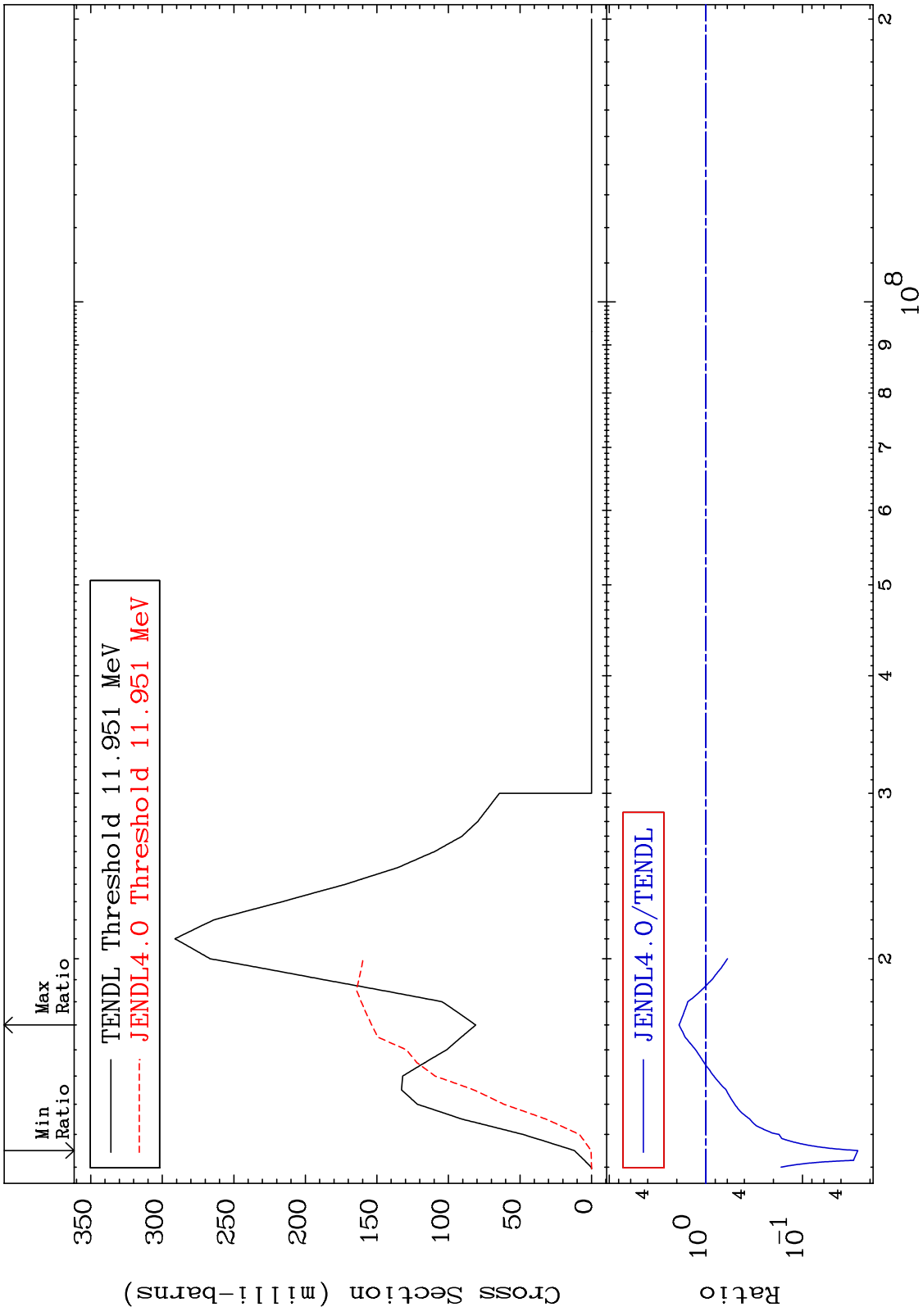


MAT 9549 (n,2n) Cross Section 95-Am-243 65.02 To 3582. %



4 95-Am-243

MAT 9549 (n,3n) Cross Section 95-Am-243 -97.32 To 89.84 %



5 Incident Energy (eV) 95-Am-243

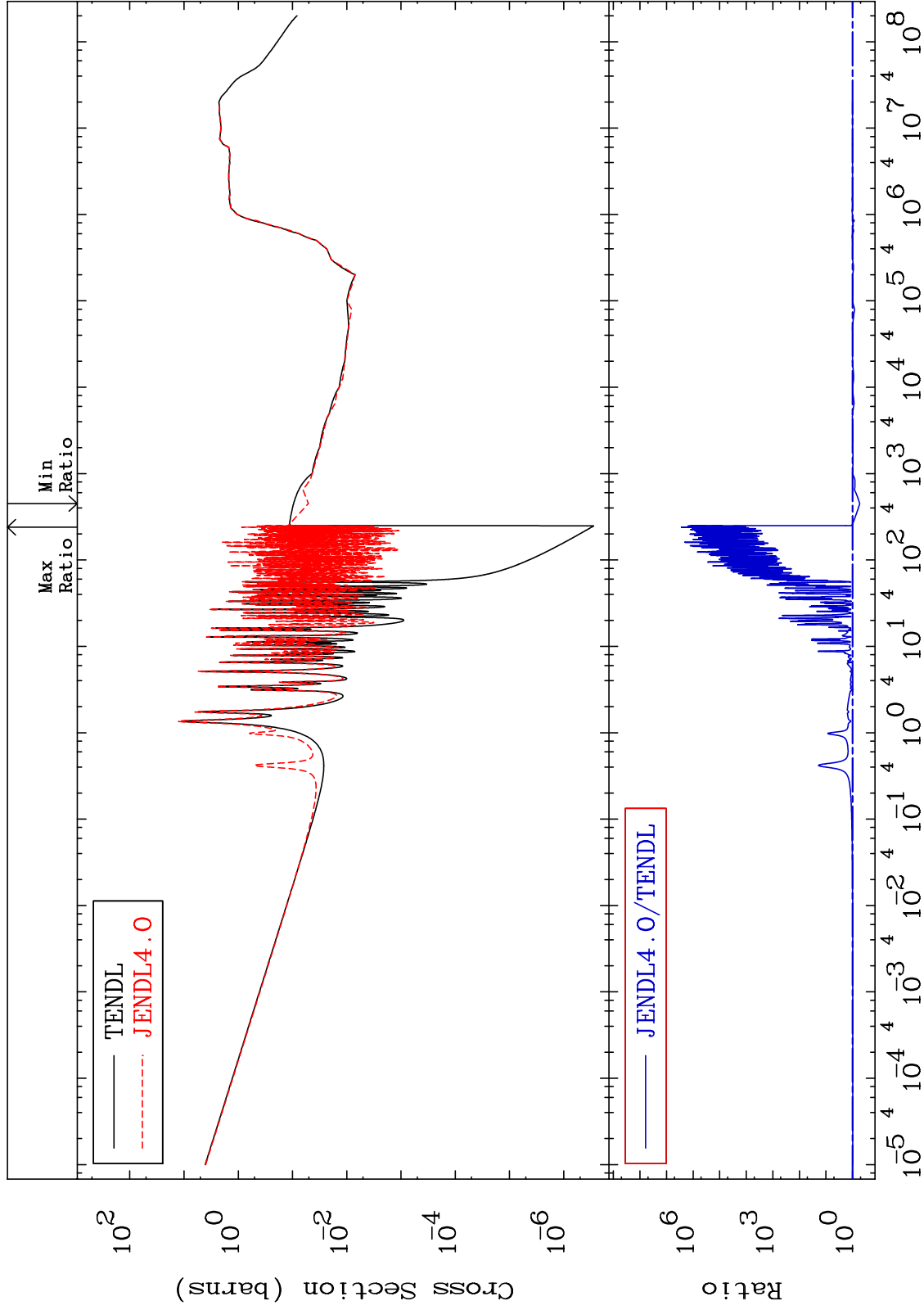
MAT 9549

Fission

95-Am-243

-46.64 To 9999. %

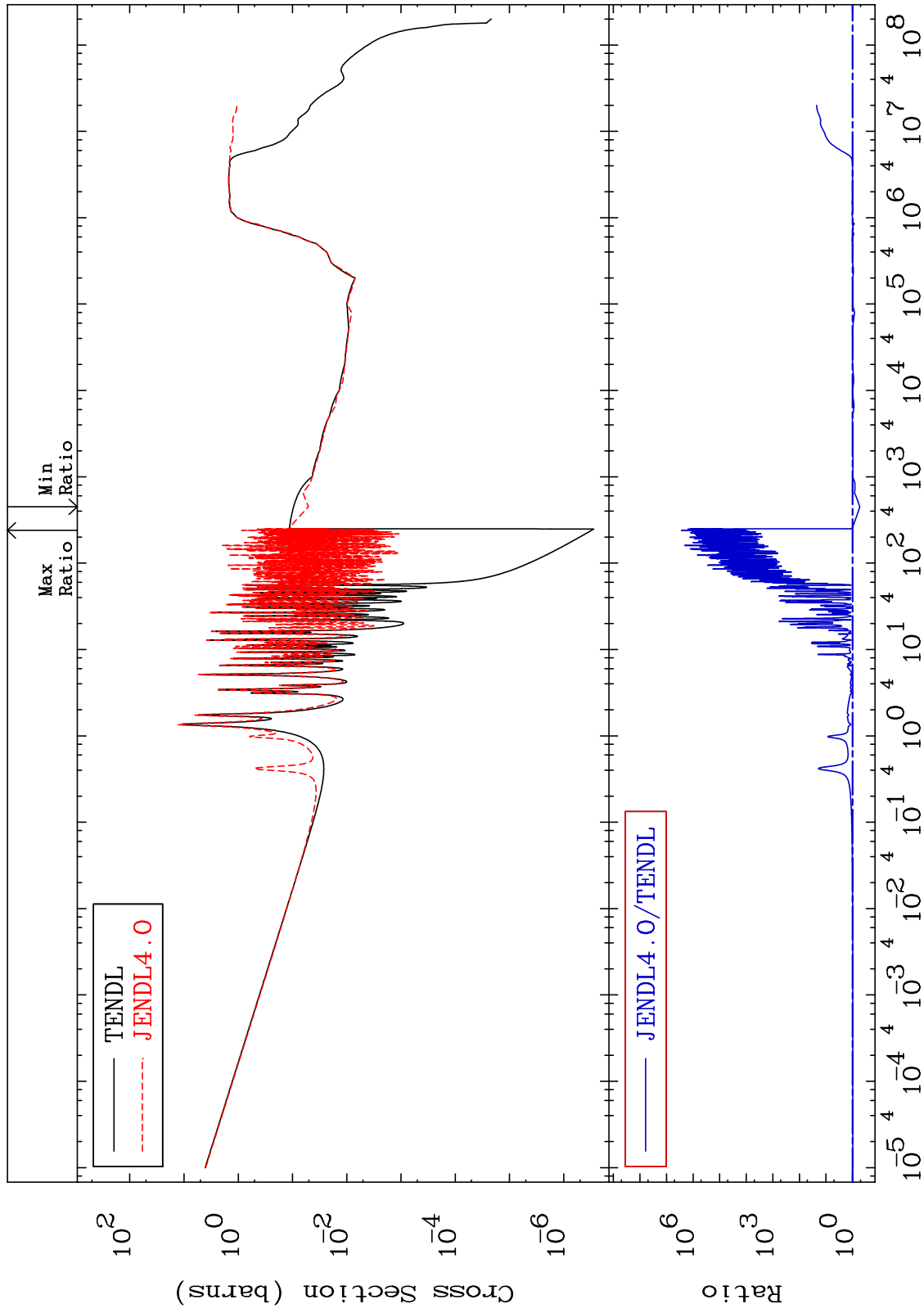
Cross Section



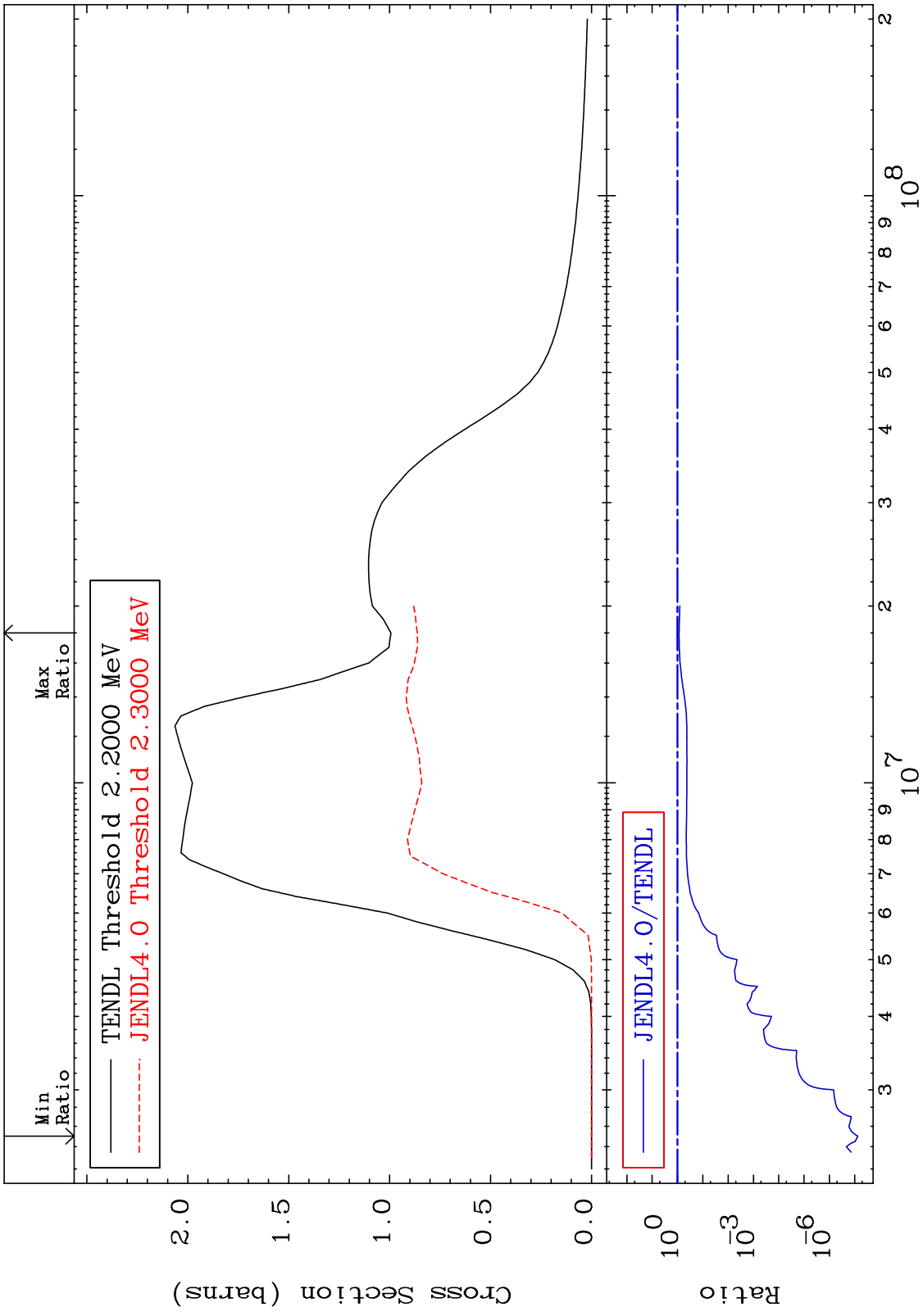
MAT 9549

(n,f) First Chance
Cross Section

95-Am-243
-46.64 To 9999. %



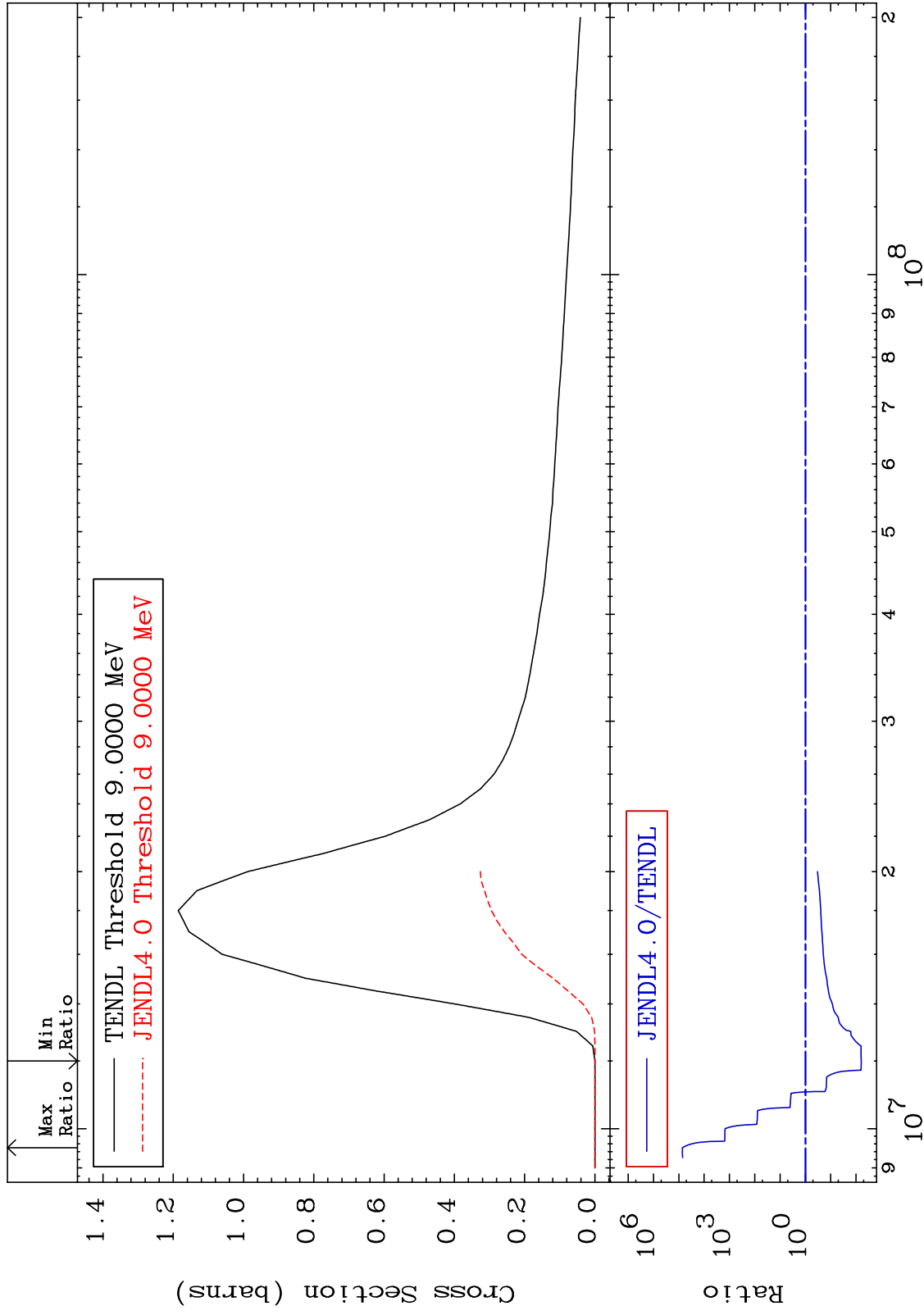
MAT 9549 (n,nf) Second Chance Cross Section 95-Am-243 -100.0 To -13.17%



MAT 9549

(n,2nf) Third Chance
Cross Section

95-Am-243
-99.38 To 9999. %

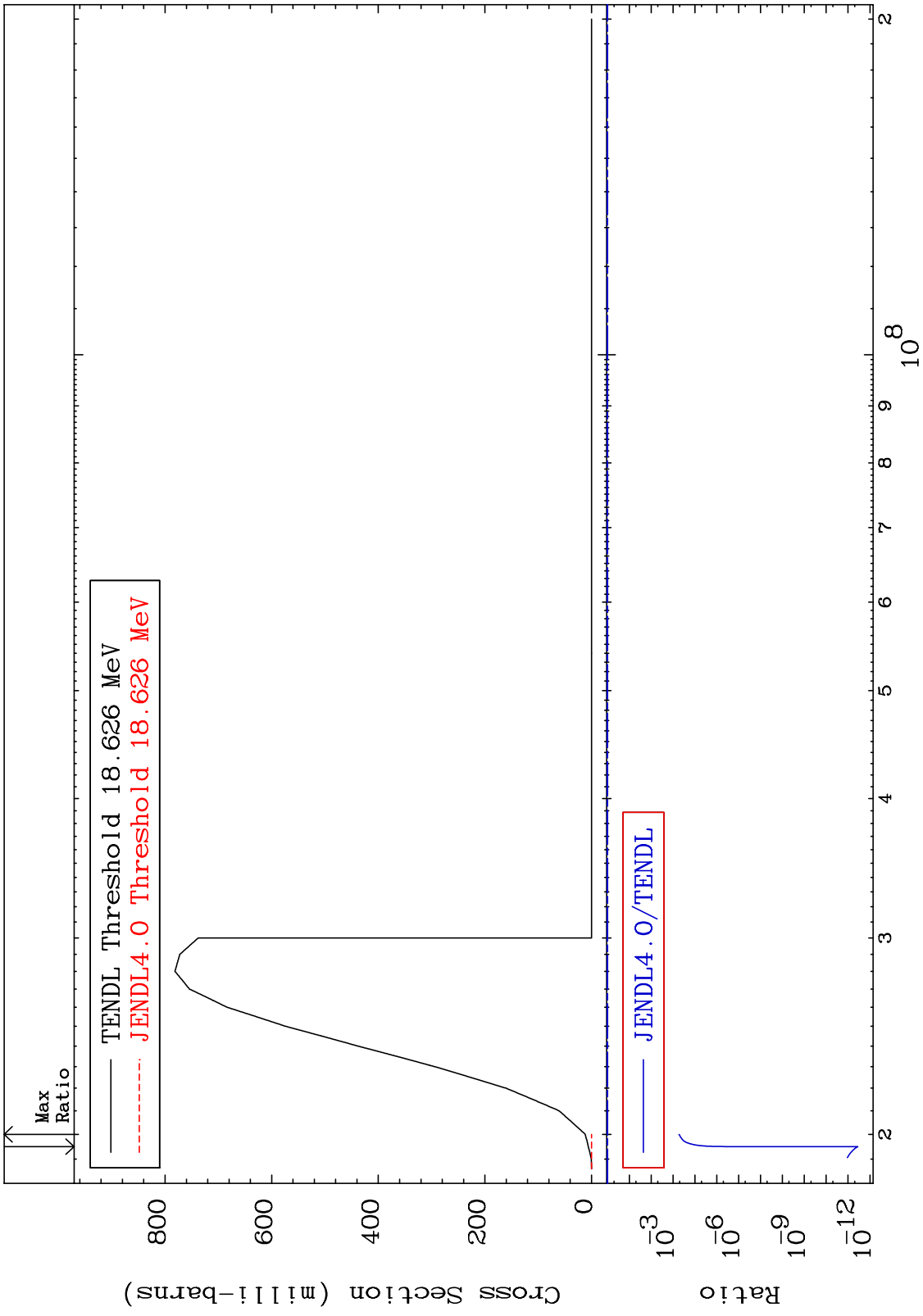


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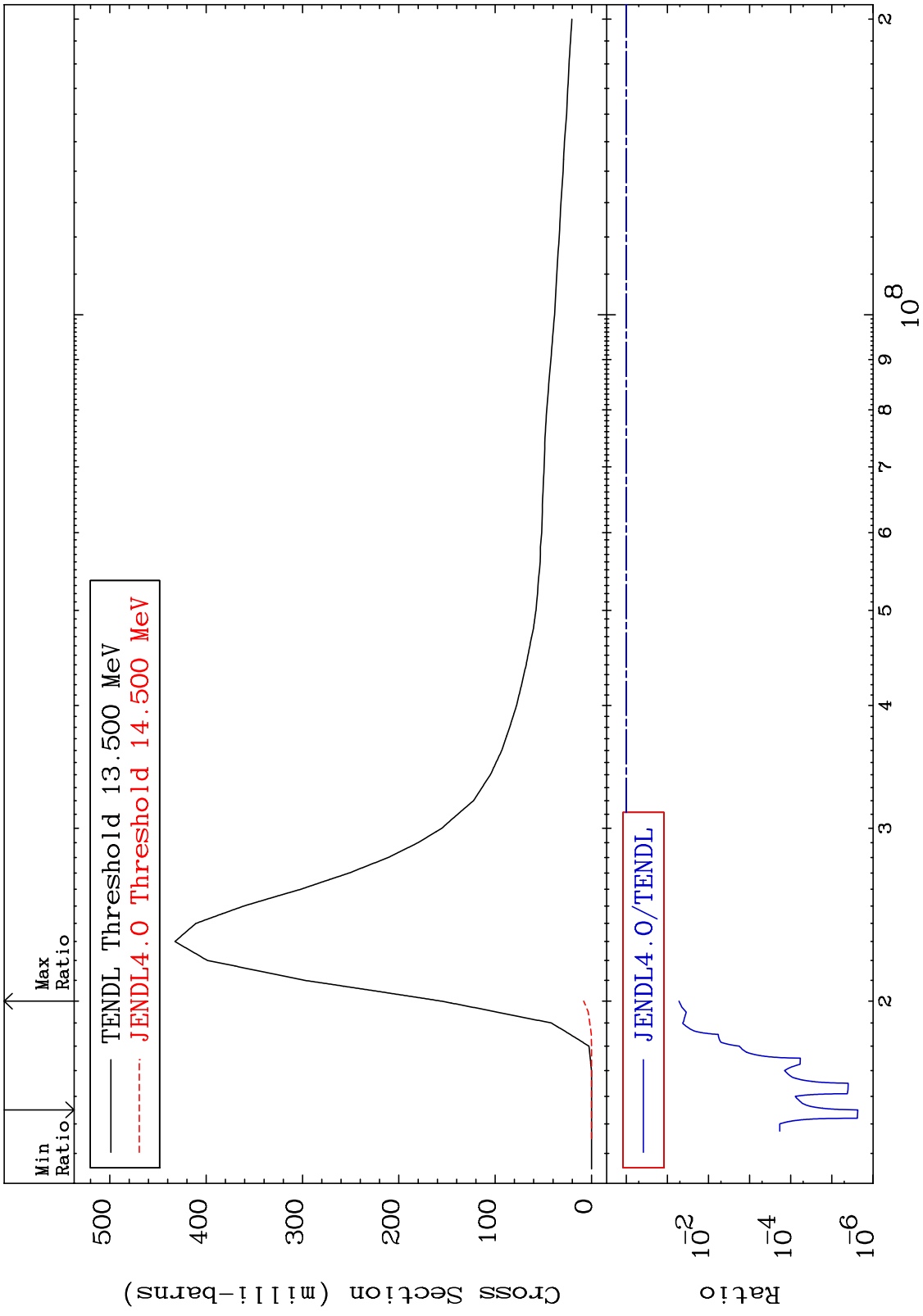
Incident Energy (eV)

95-Am-243

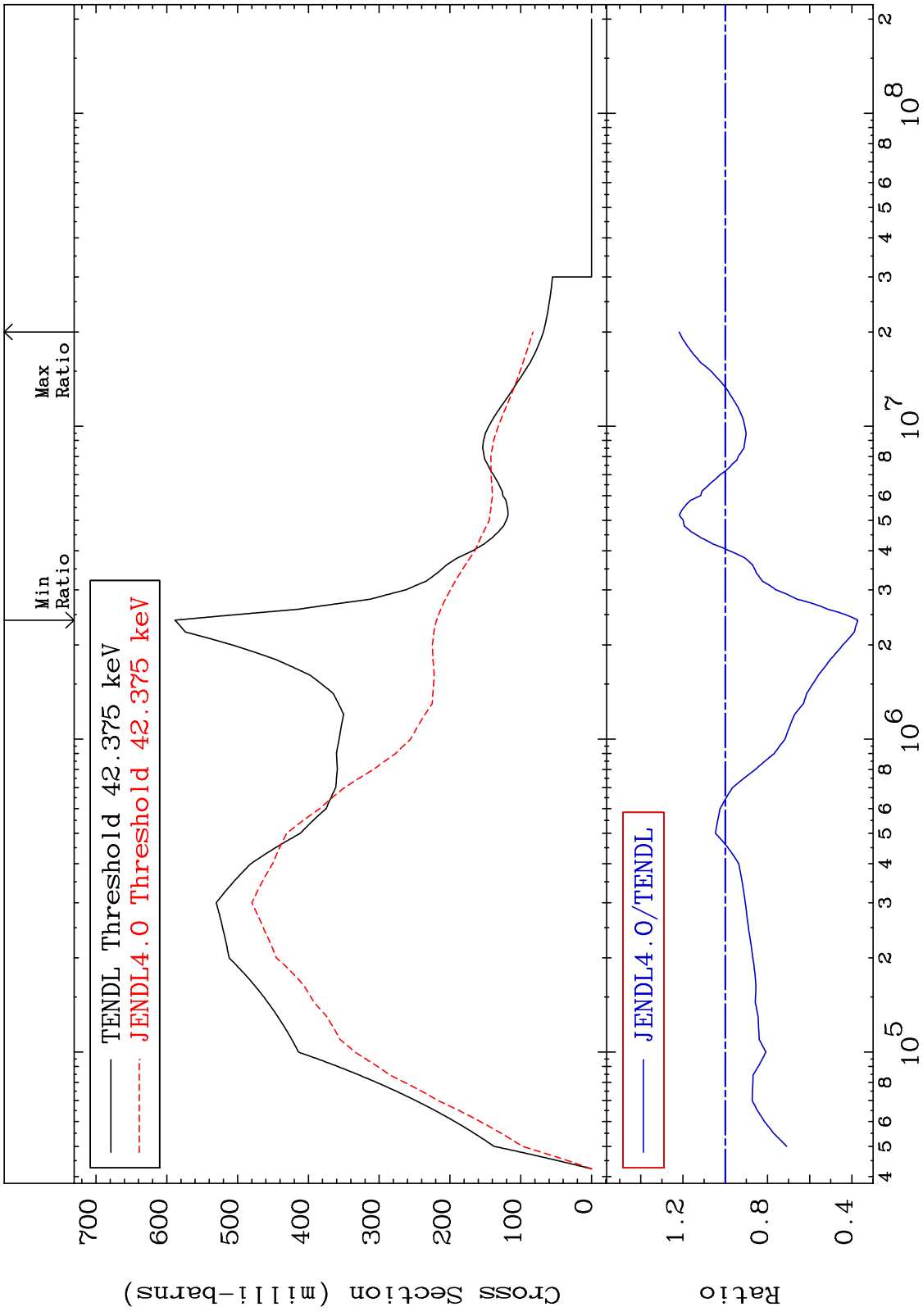
MAT 9549 (n,4n) Cross Section 95-Am-243 -100.0 To -99.95%



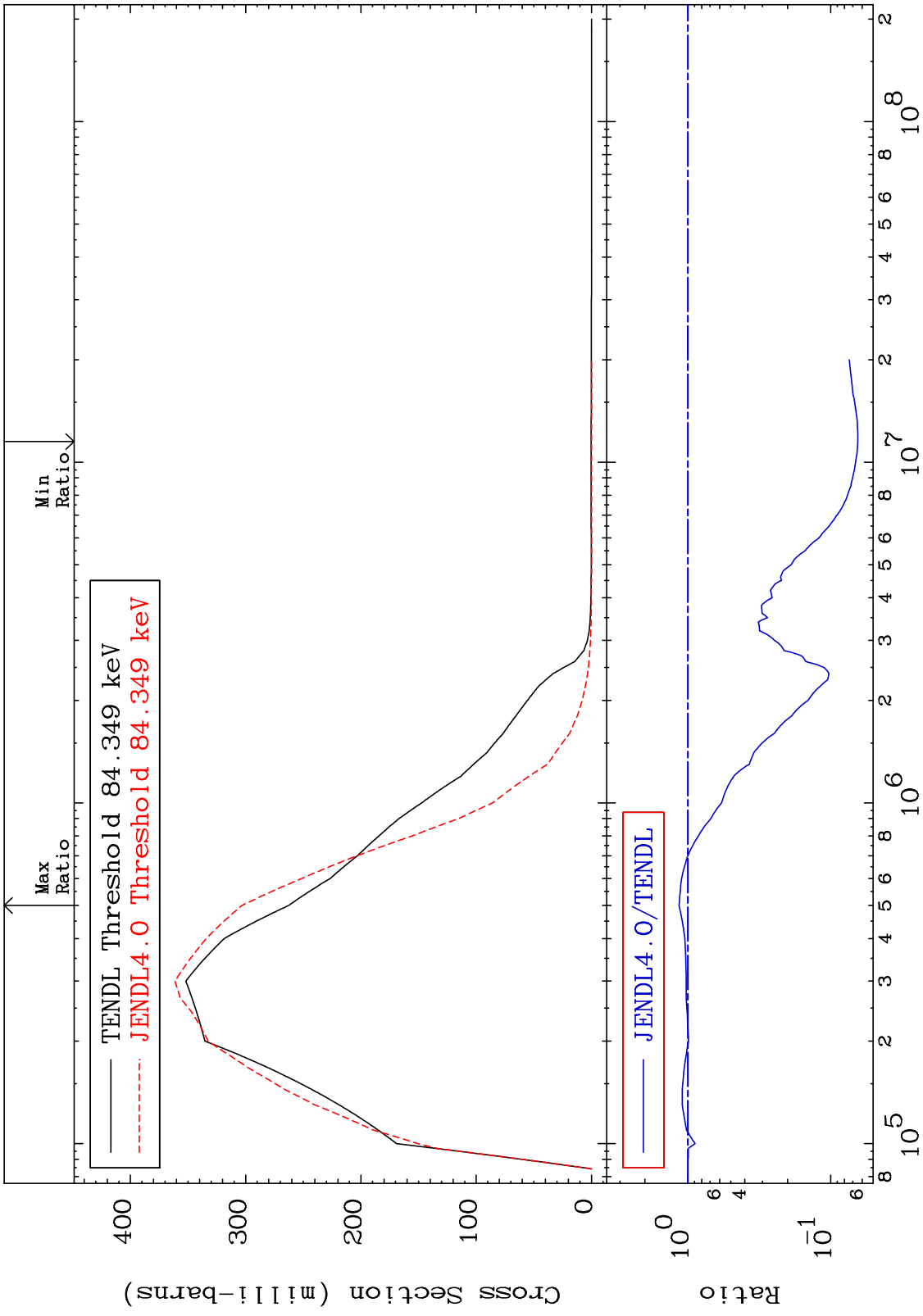
MAT 9549 (n,3nf) Fourth Chance Cross Section 95-Am-243 -100.0 To -94.78%



MAT 9549 MT= 51 (n,n') Level 95-Am-243
 Cross Section -62.83 To 21.87 %

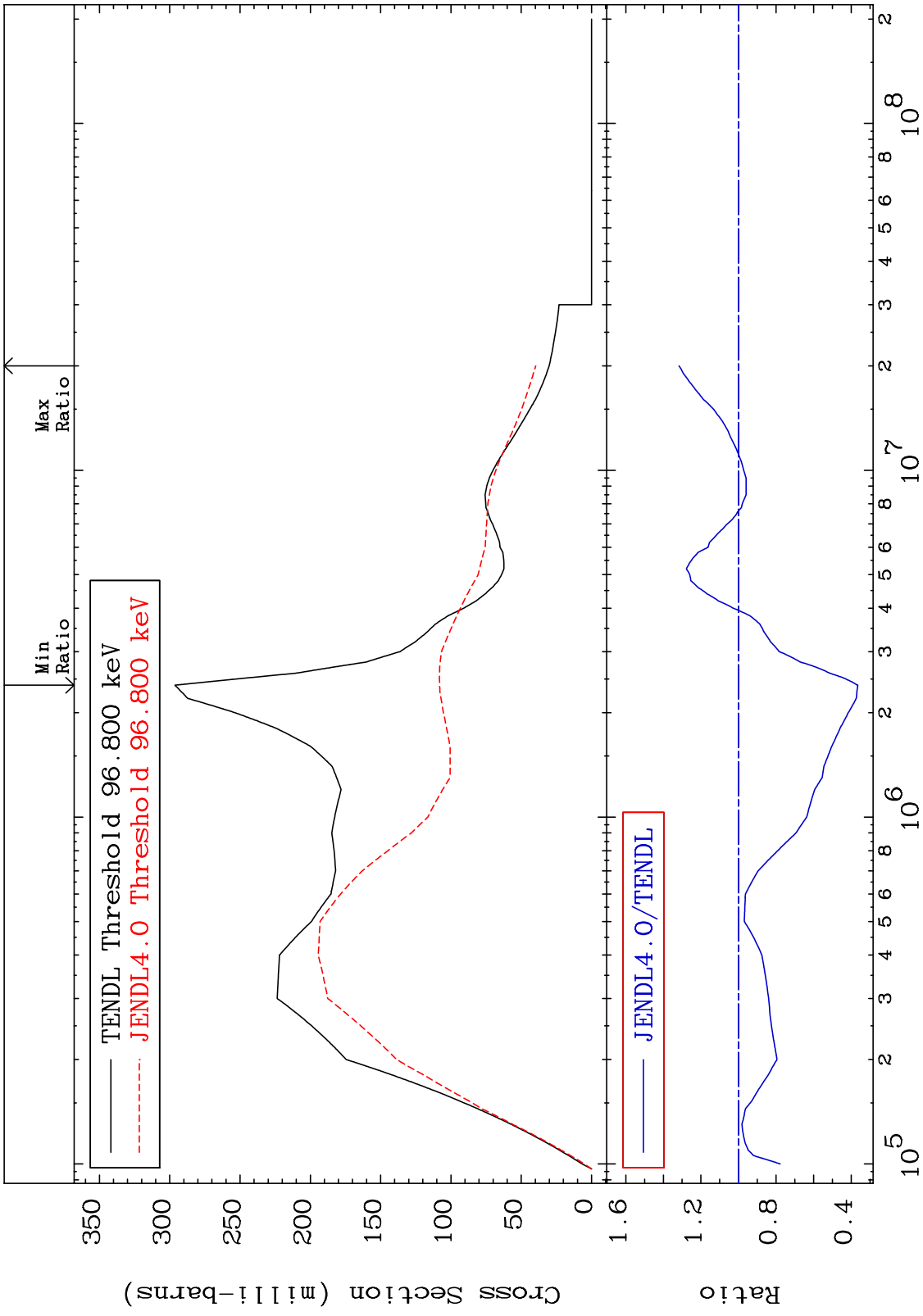


MAT 9549 MT= 52 (n,n') Level Cross Section 95-Am-243
 -93.56 To 15.41 %

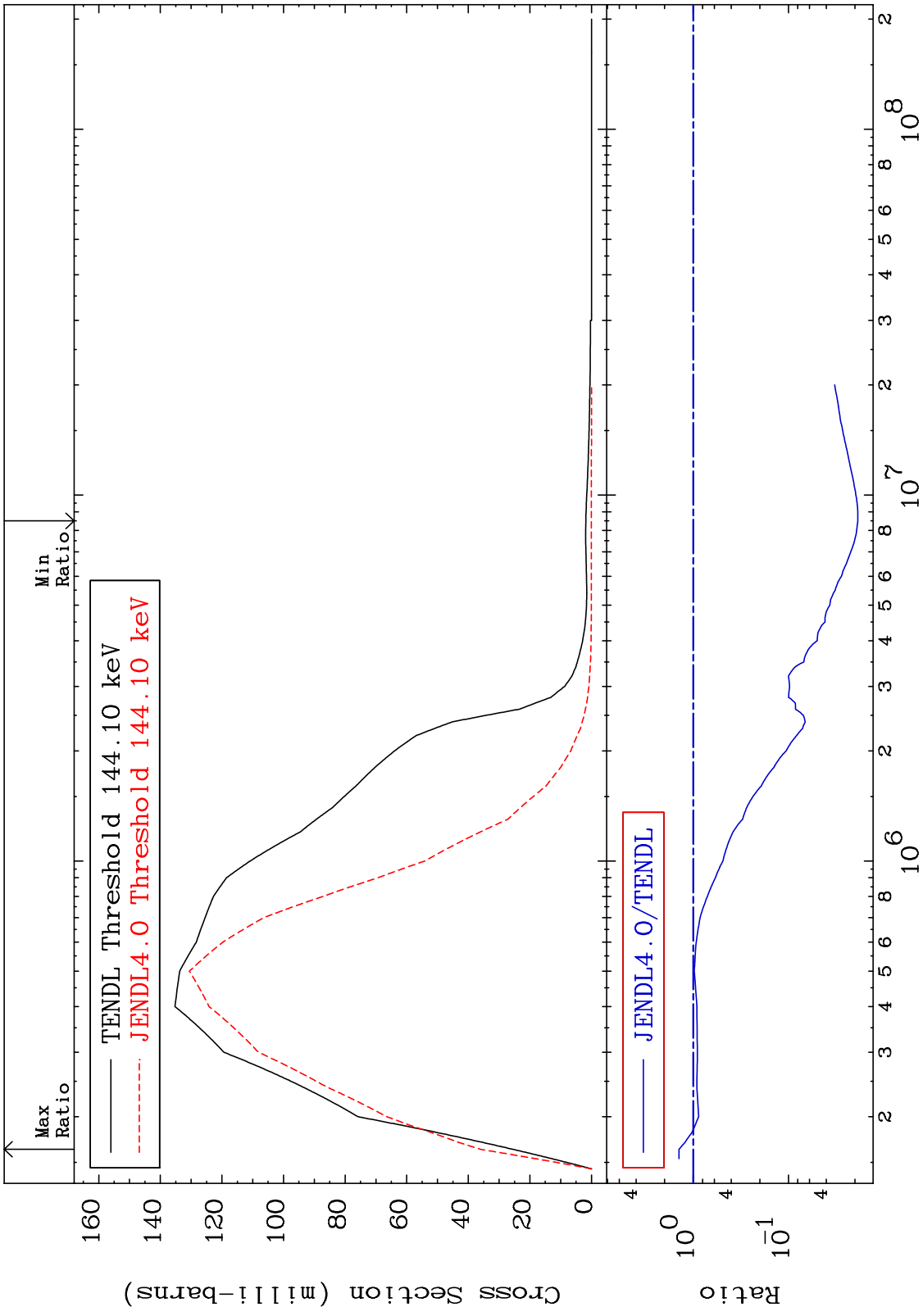


13 Incident Energy (eV) 95-Am-243

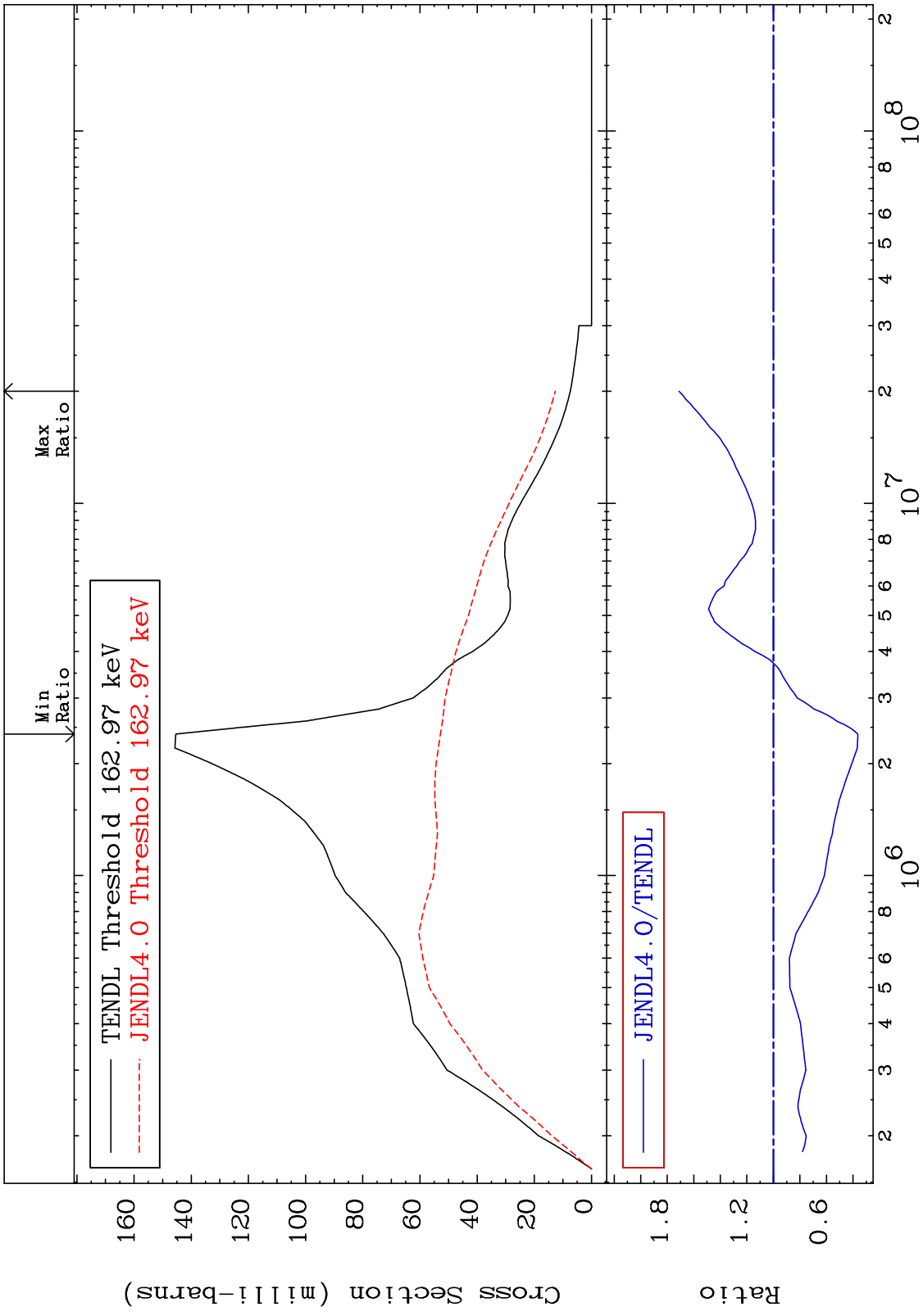
MAT 9549 MT= 53 (n,n') Level Cross Section 95-Am-243
 -63.54 To 31.65 %



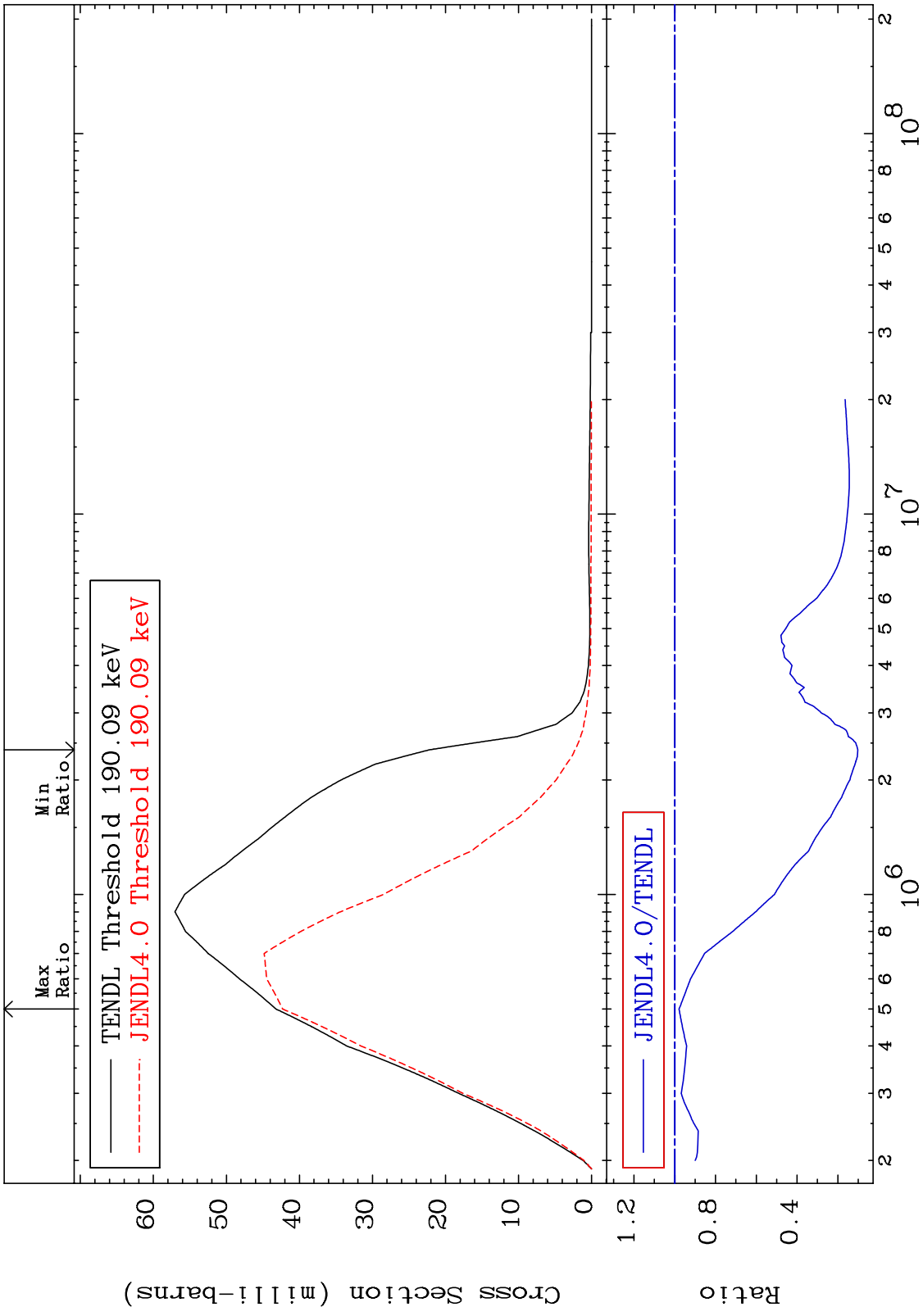
MAT 9549 MT= 55 (n,n') Level Cross Section 95-Am-243
 -98.14 To 41.17 %



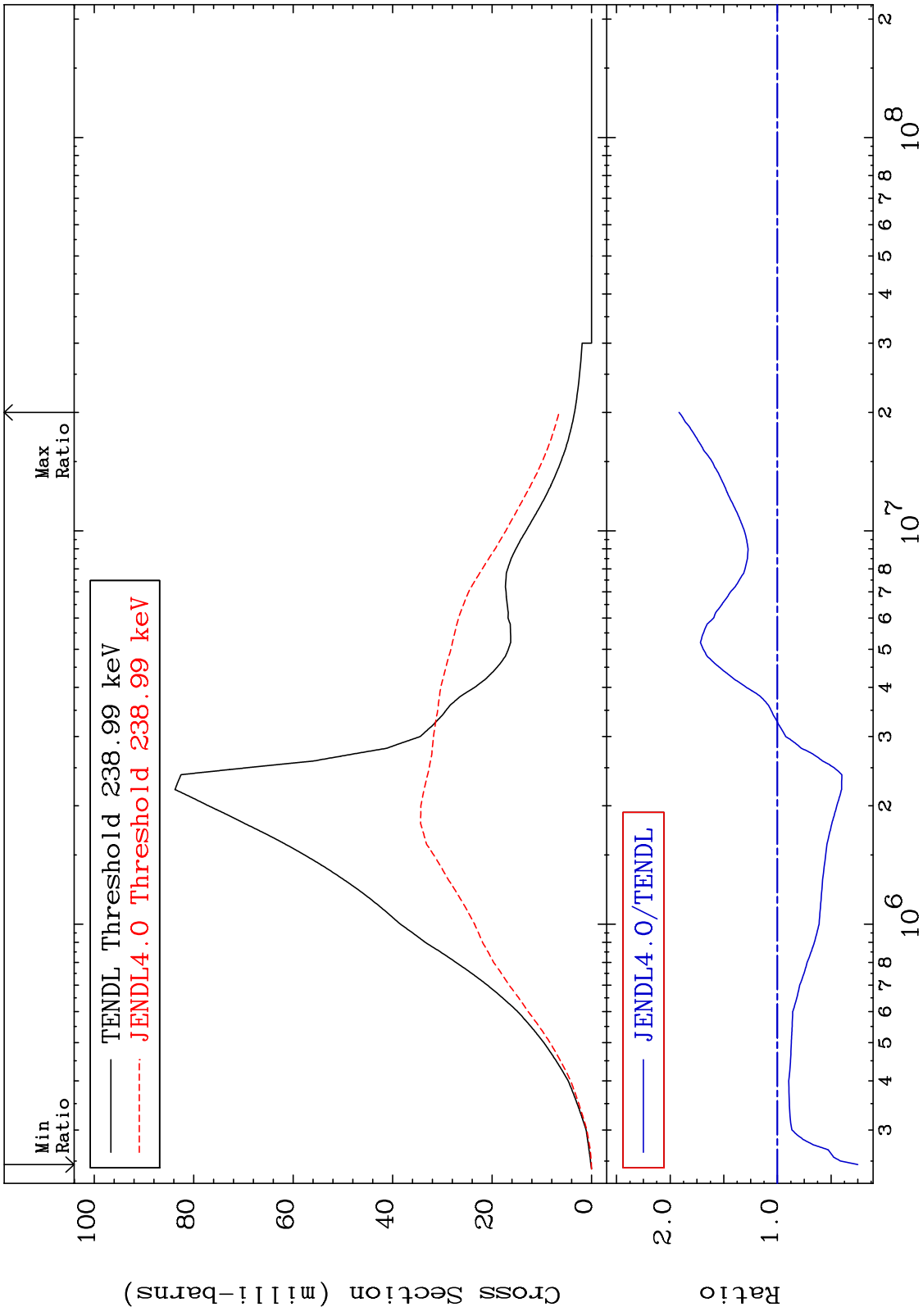
MAT 9549 MT= 56 (n,n') Level 95-Am-243
 Cross Section -63.68 To 71.12 %



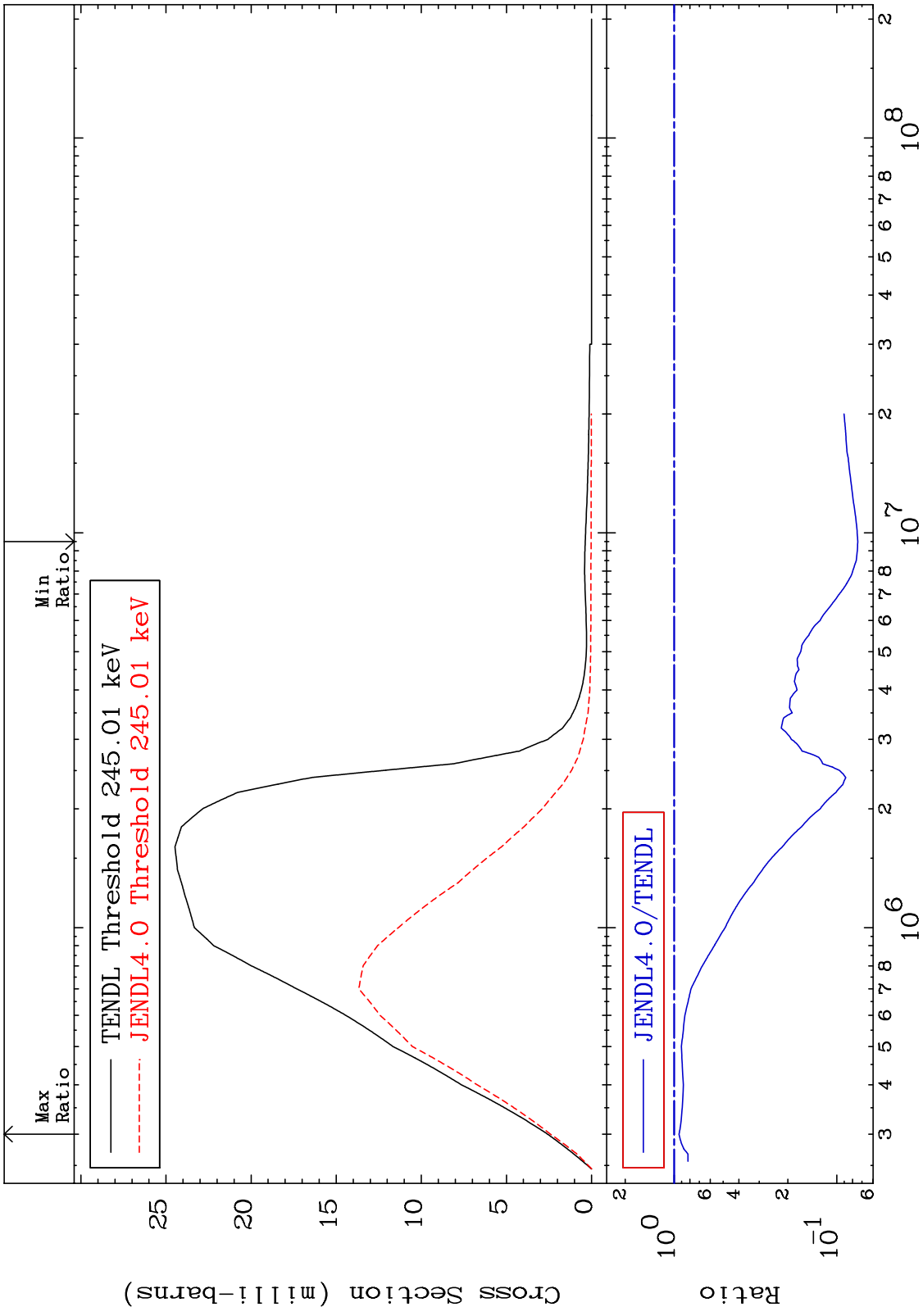
MAT 9549 MT= 57 (n,n') Level Cross Section 95-Am-243 -89.81 To -2.105%



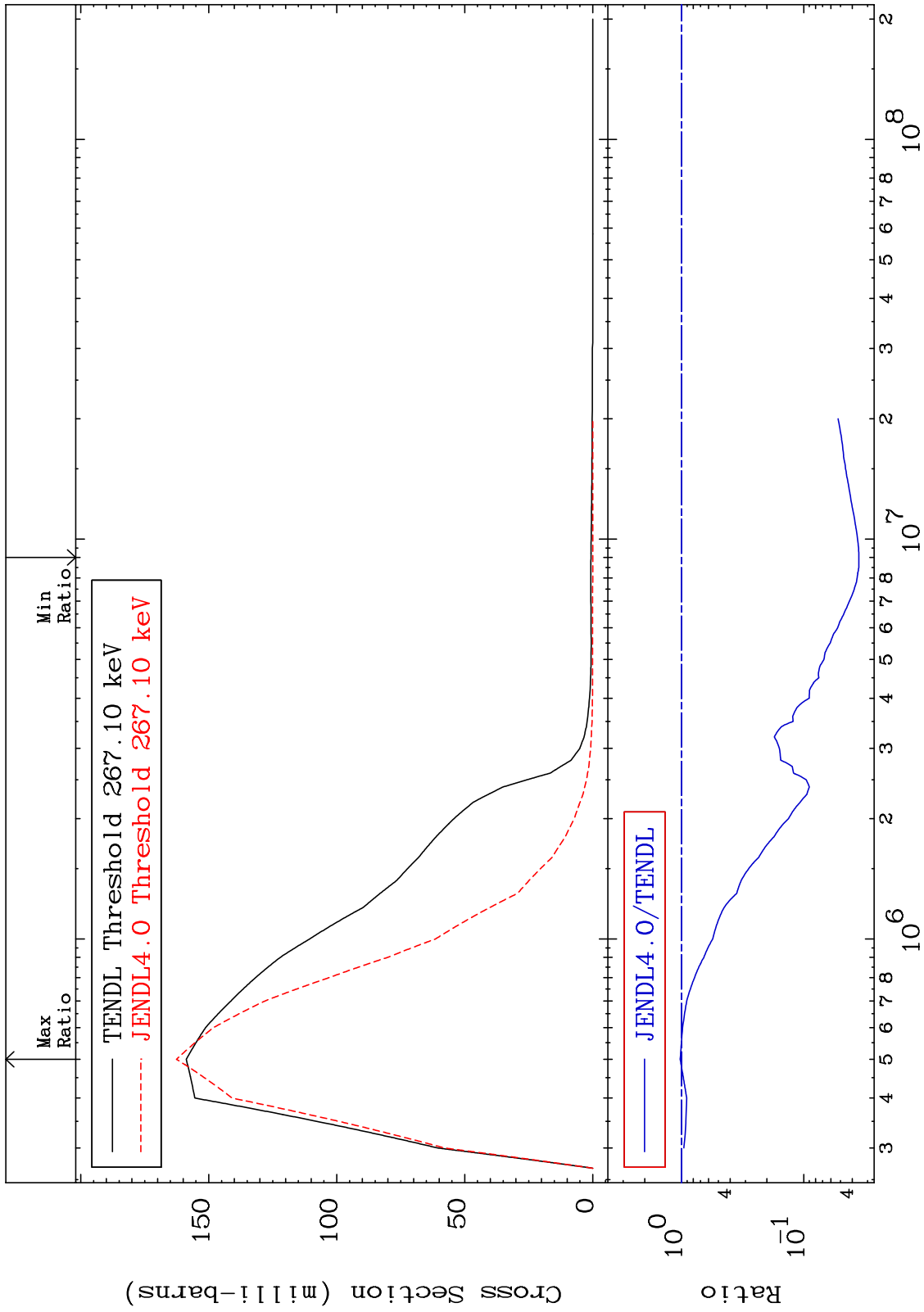
MAT 9549 MT= 58 (n,n') Level Cross Section -75.01 To 91.71 % 95-Am-243



MAT 9549 MT= 59 (n,n') Level Cross Section 95-Am-243 -92.58 To -6.660%



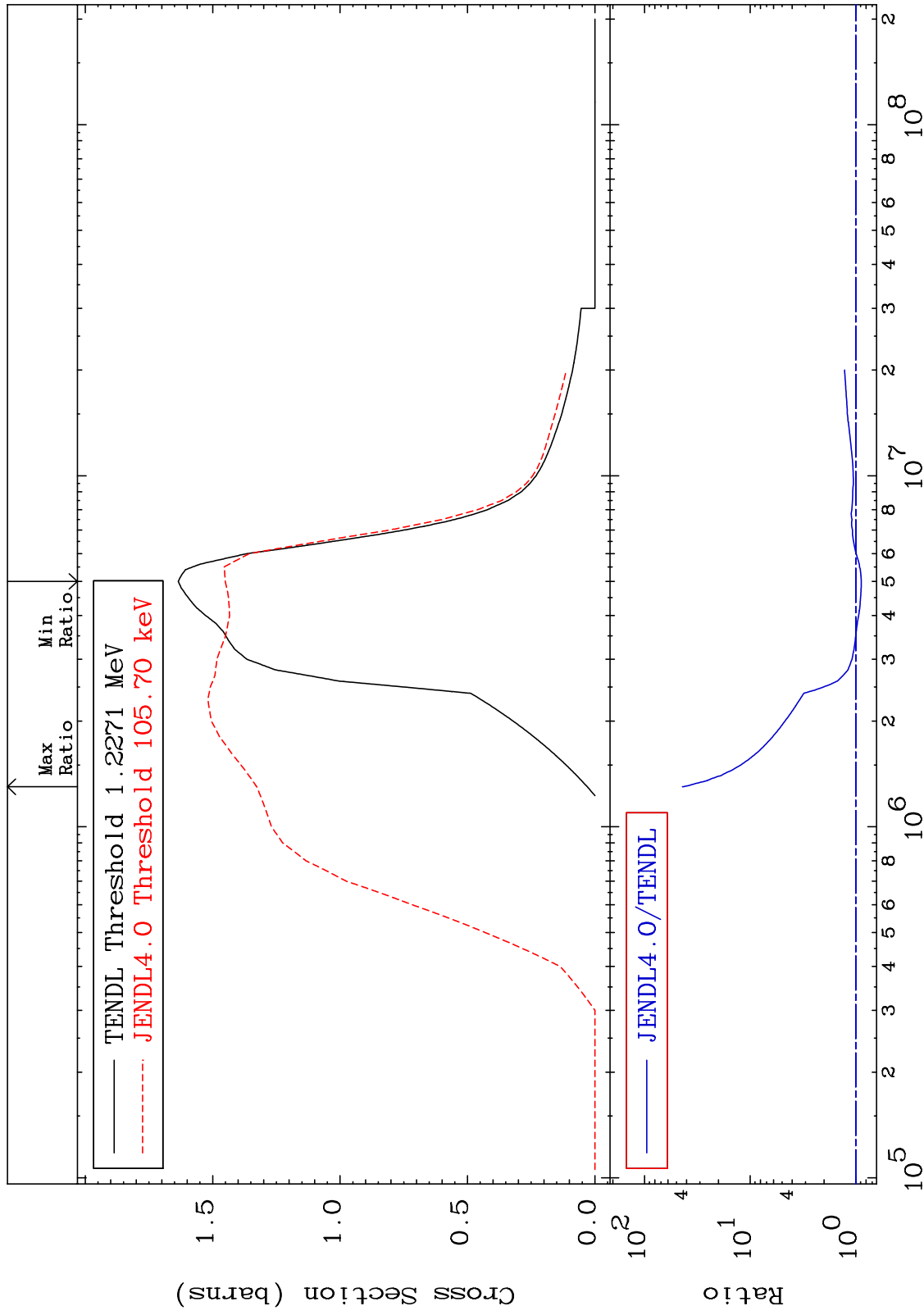
MAT 9549 MT= 60 (n,n') Level Cross Section 95-Am-243
 -96.46 To 2.417 %



MAT 9549

(n, n') Continuum
Cross Section

95-Am-243
-11.29 To 4283. %



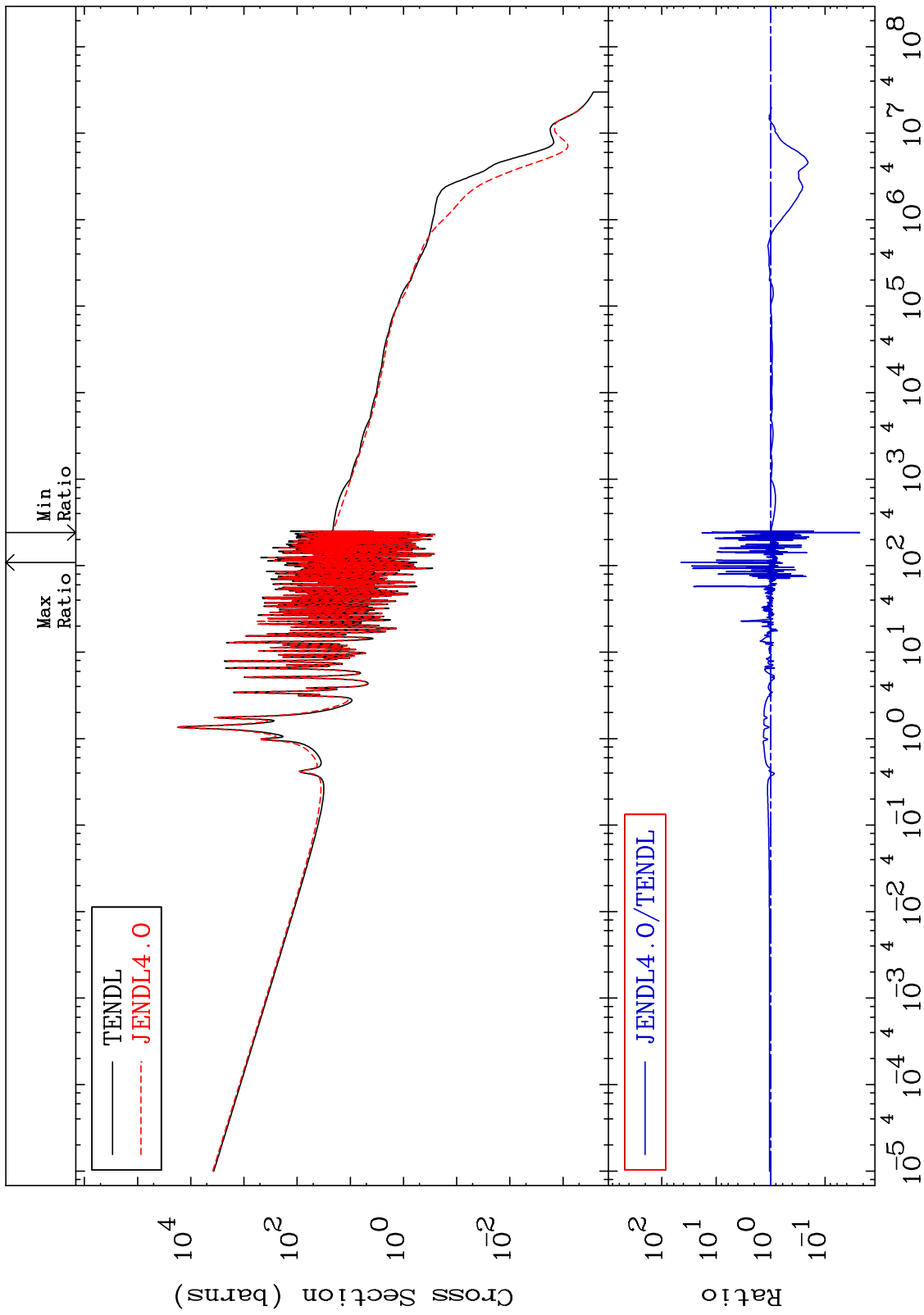
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Incident Energy (eV)

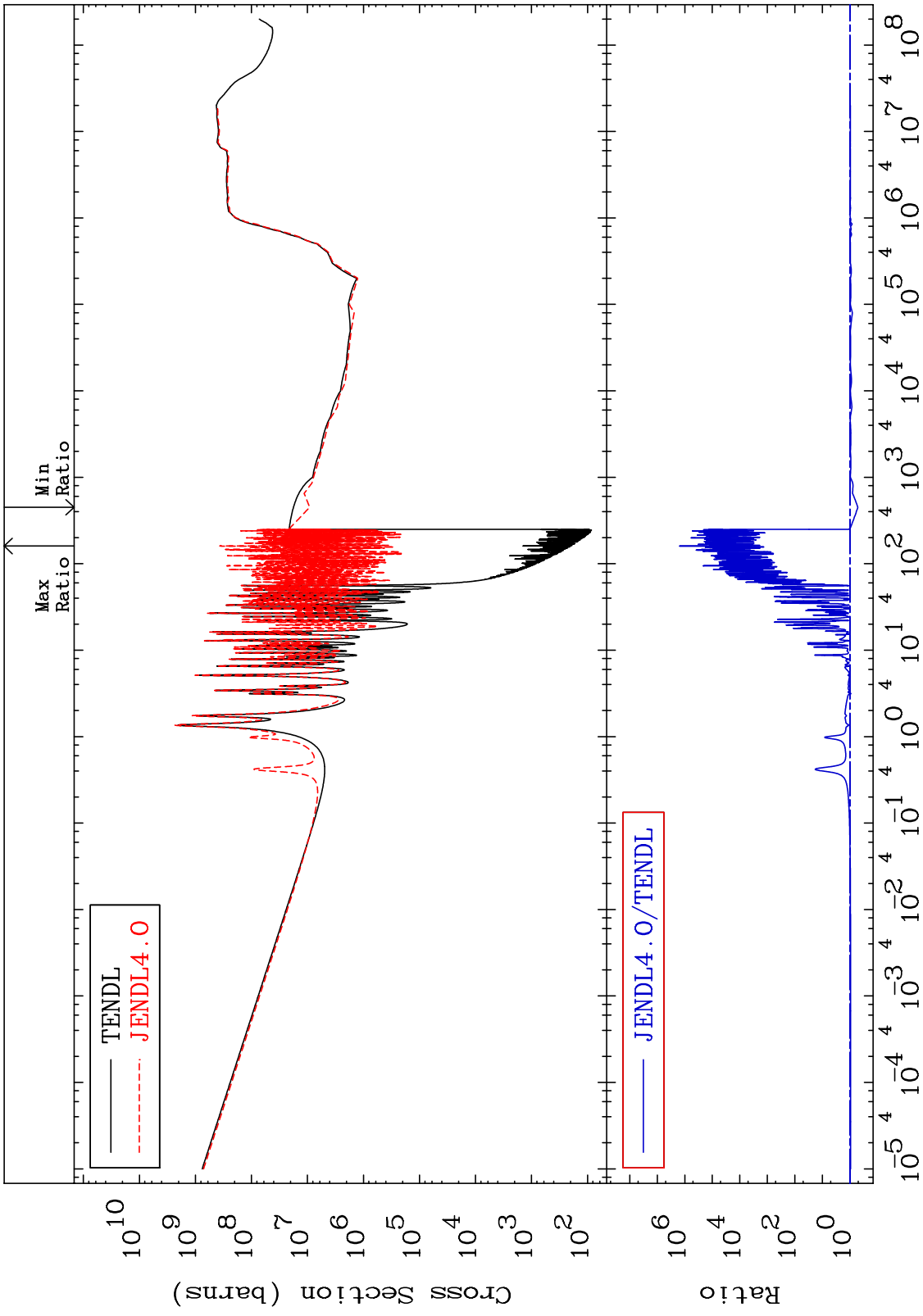
95-Am-243

MAT 9549

(n, γ) Cross Section
95-Am-243
-97.70 To 4348. %



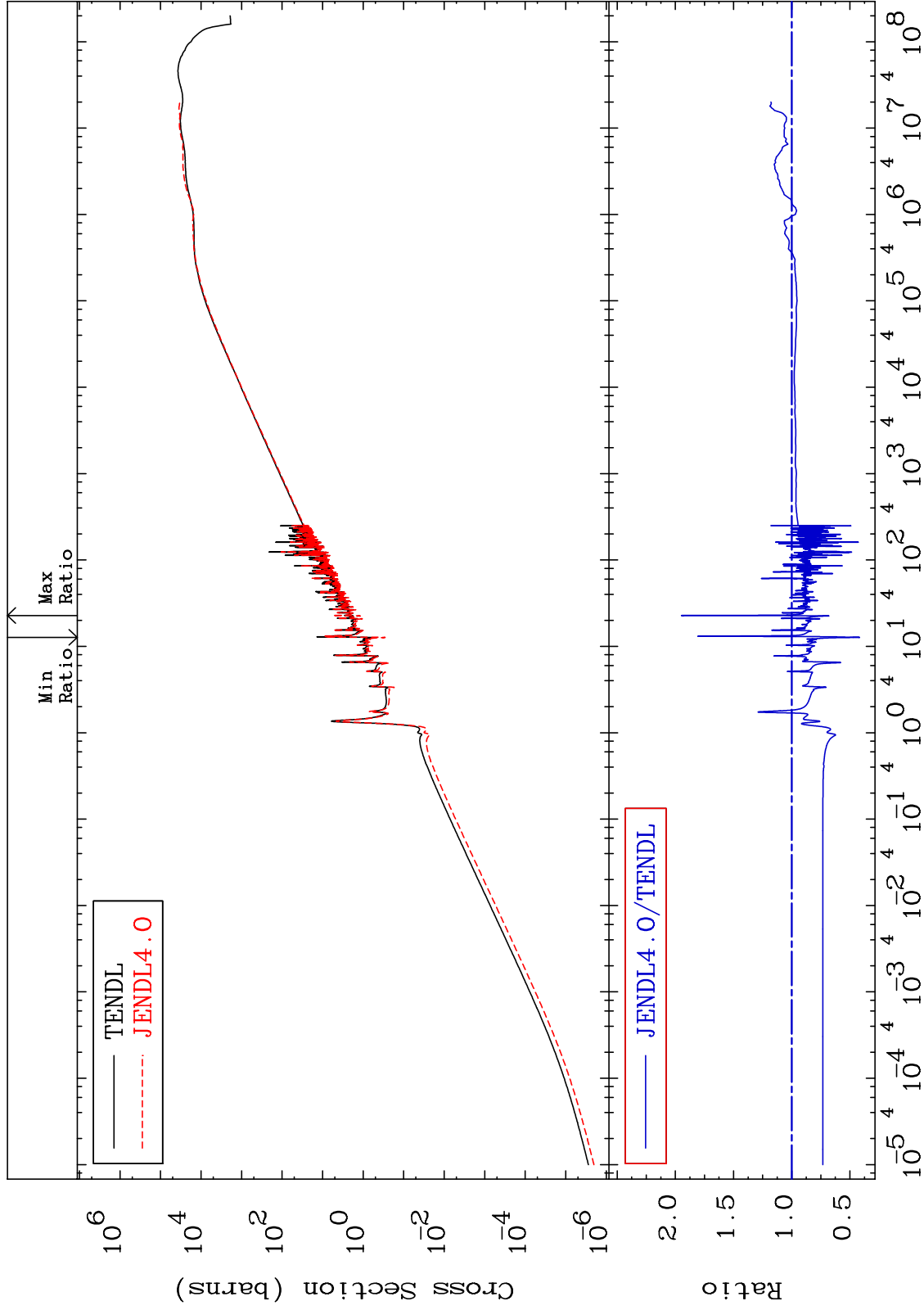
MAT 9549 Kerma total (eV-barns) 95-Am-243
 Cross Section -48.59 To 9999. %



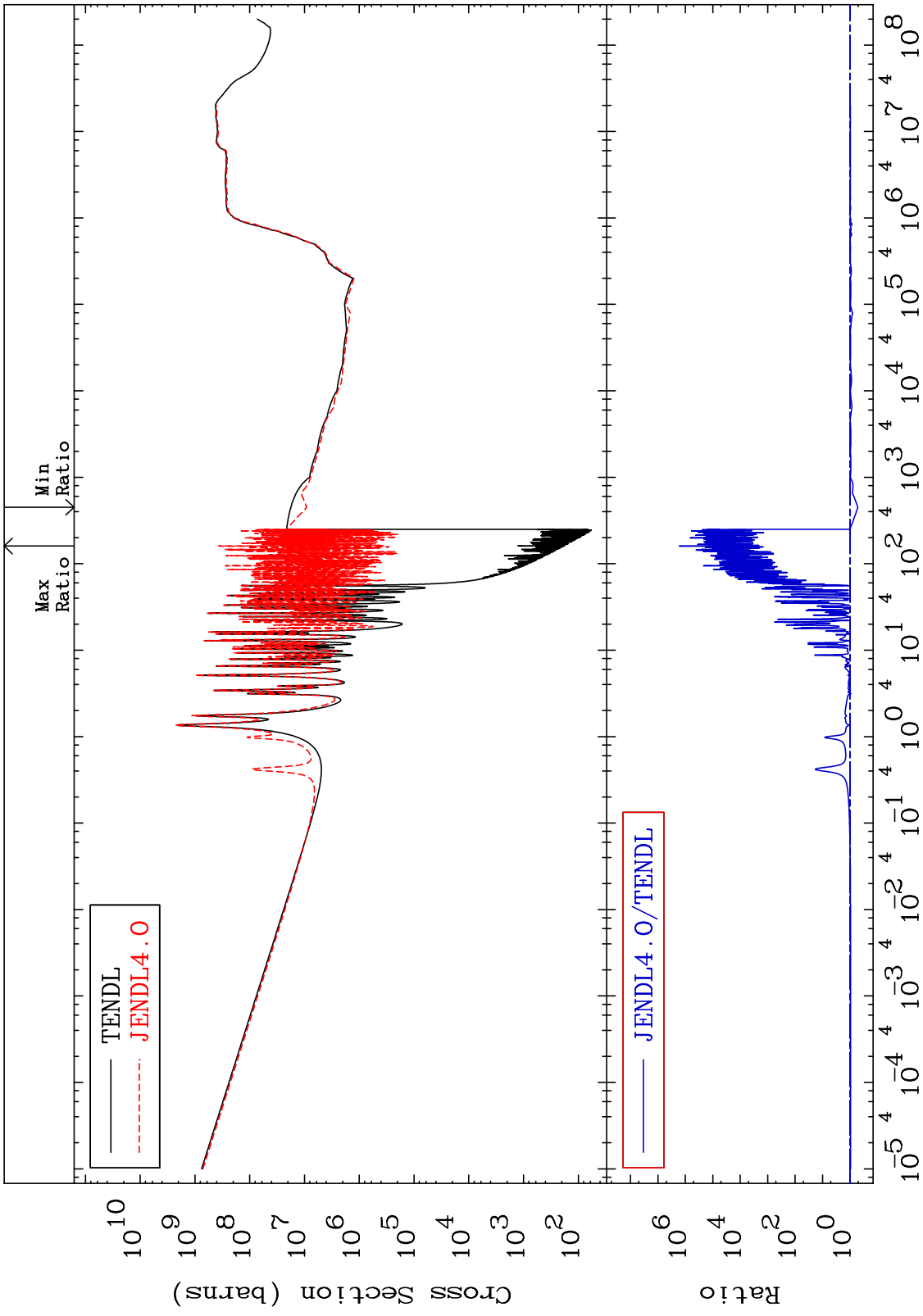
MAT 9549

Kerma elastic
Cross Section

95-Am-243
-58.46 To 94.93 %



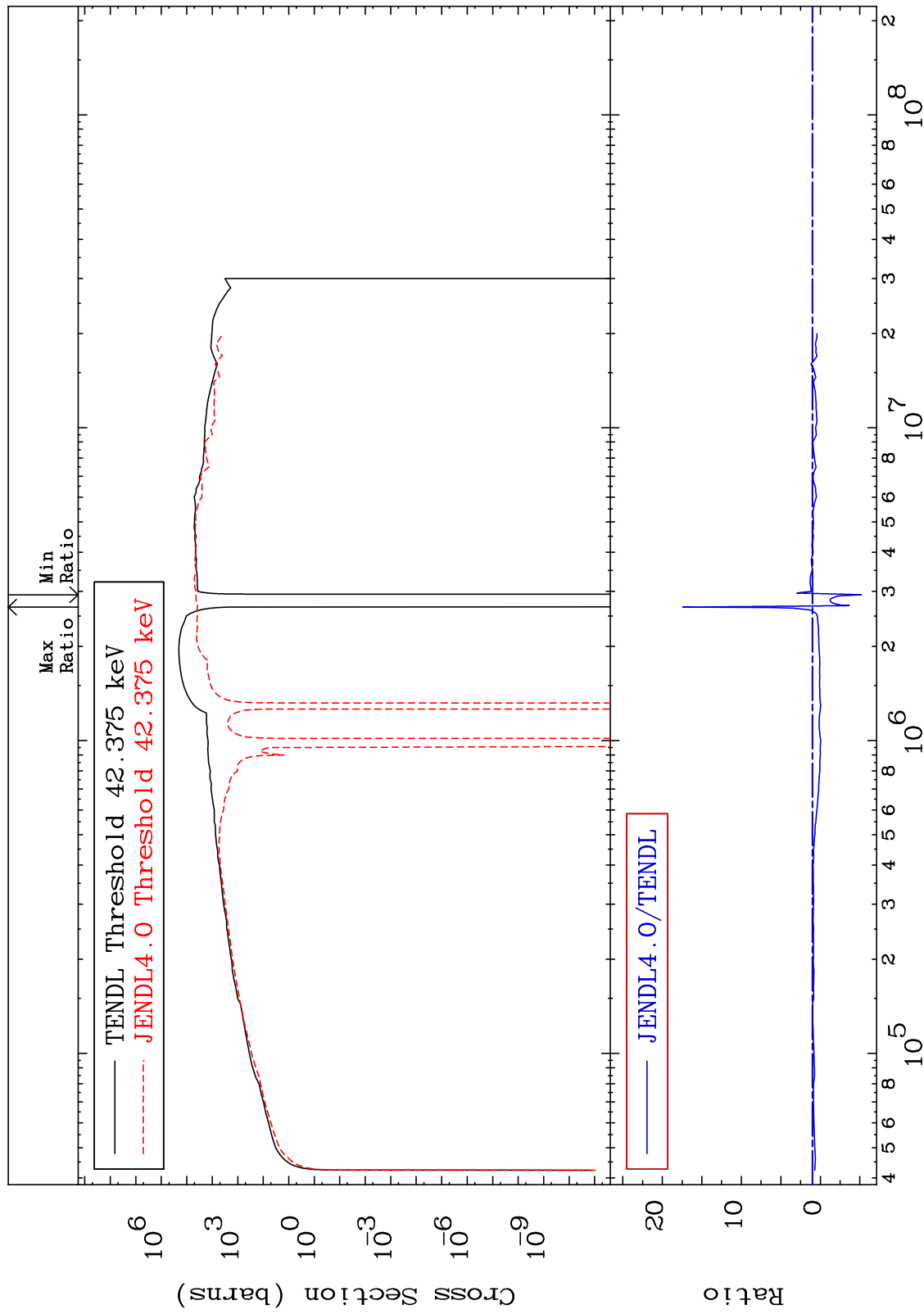
MAT 9549 Kerma non-elastic (all but mt2) 95-Am-243
 -48.59 To 9999. %
 Cross Section



MAT 9549

Kerma inelastic (mt51-91)
Cross Section

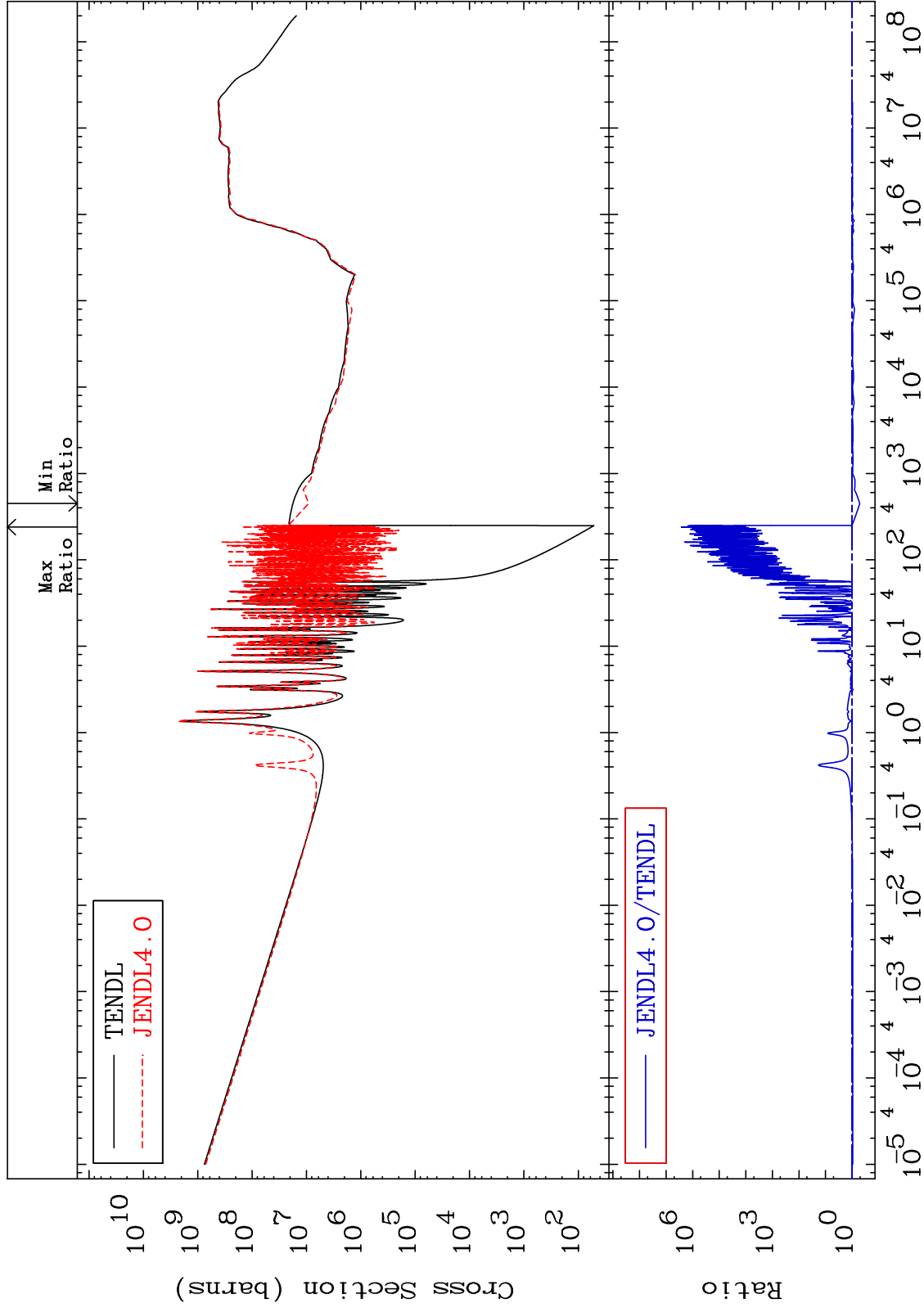
95-Am-243
-618.7 To 1642. %



MAT 9549

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

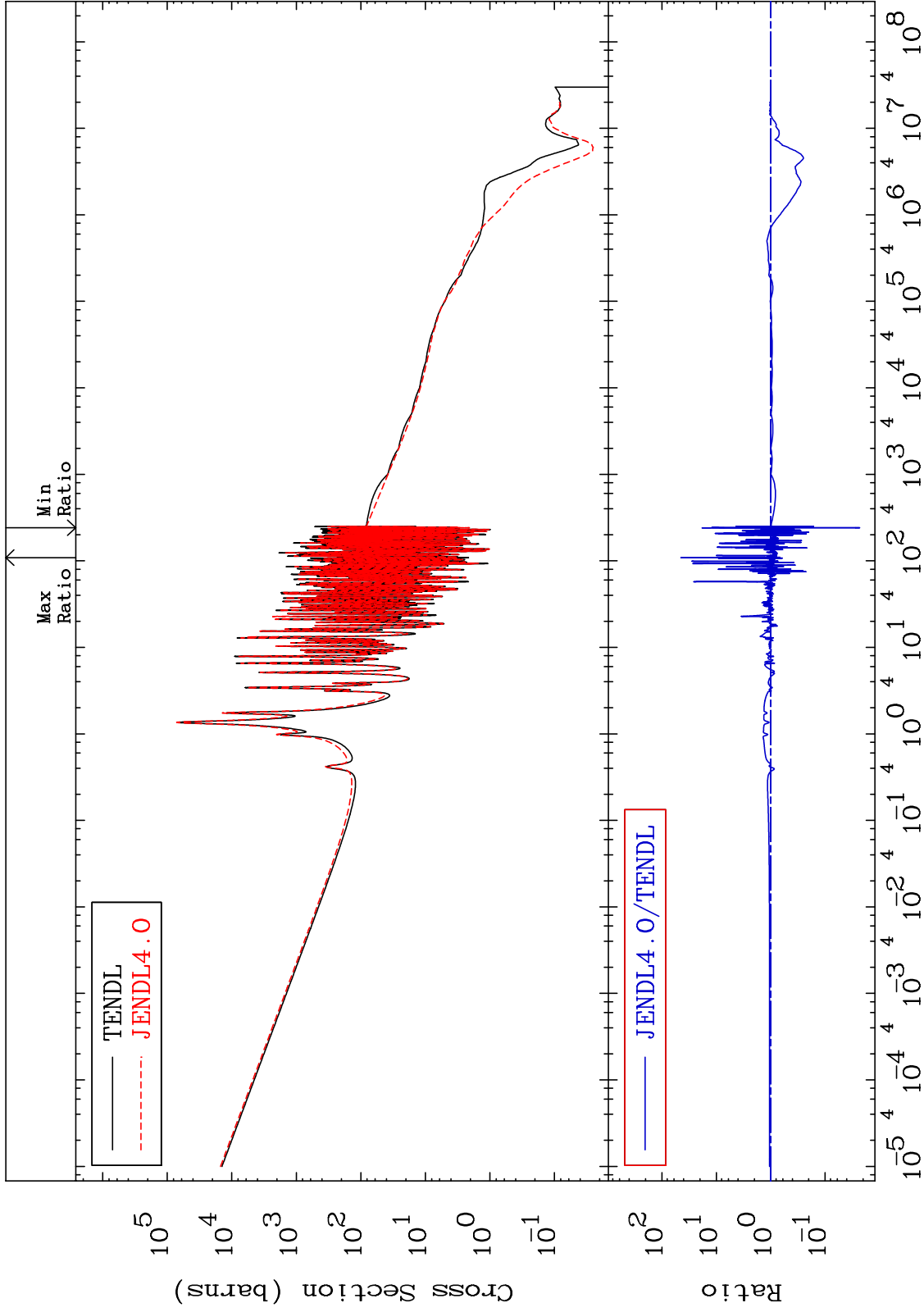
95-Am-243
-48.59 To 9999. %



MAT 9549

Kerma capture (mt102)
Cross Section

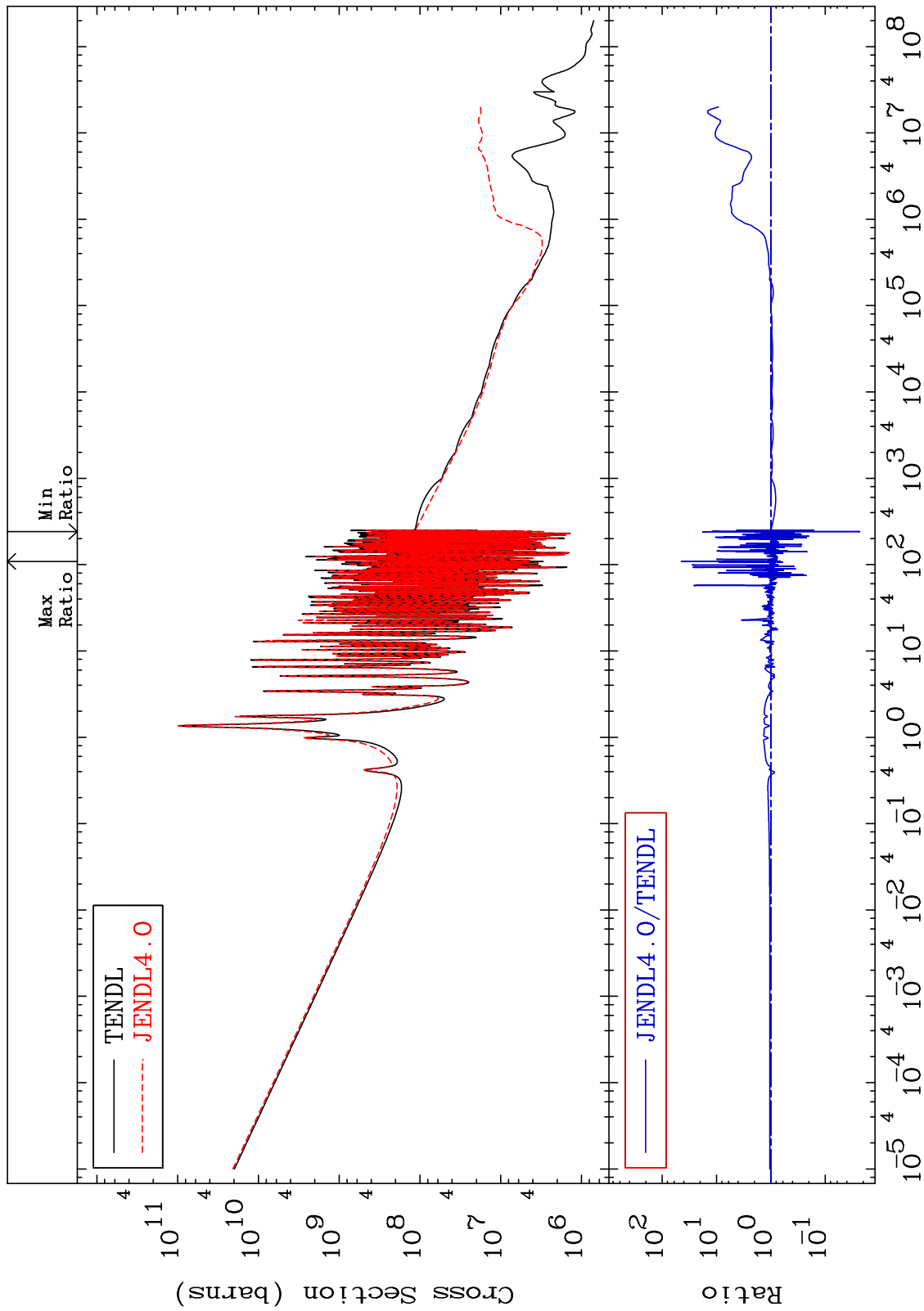
95-Am-243
-97.68 To 4385. %



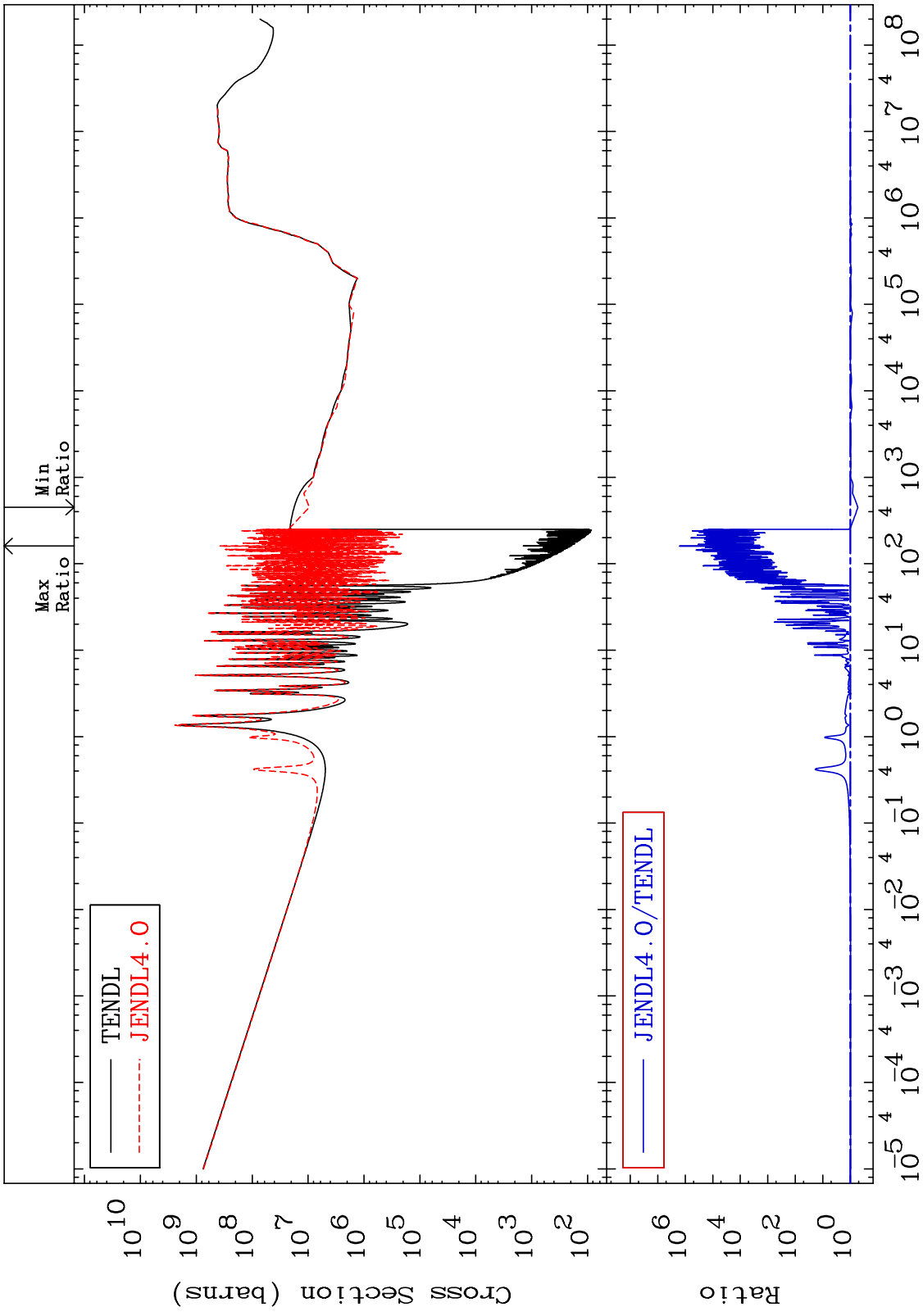
MAT 9549

Total photon (eV-barns)
Cross Section

95-Am-243
-97.68 To 4355. %



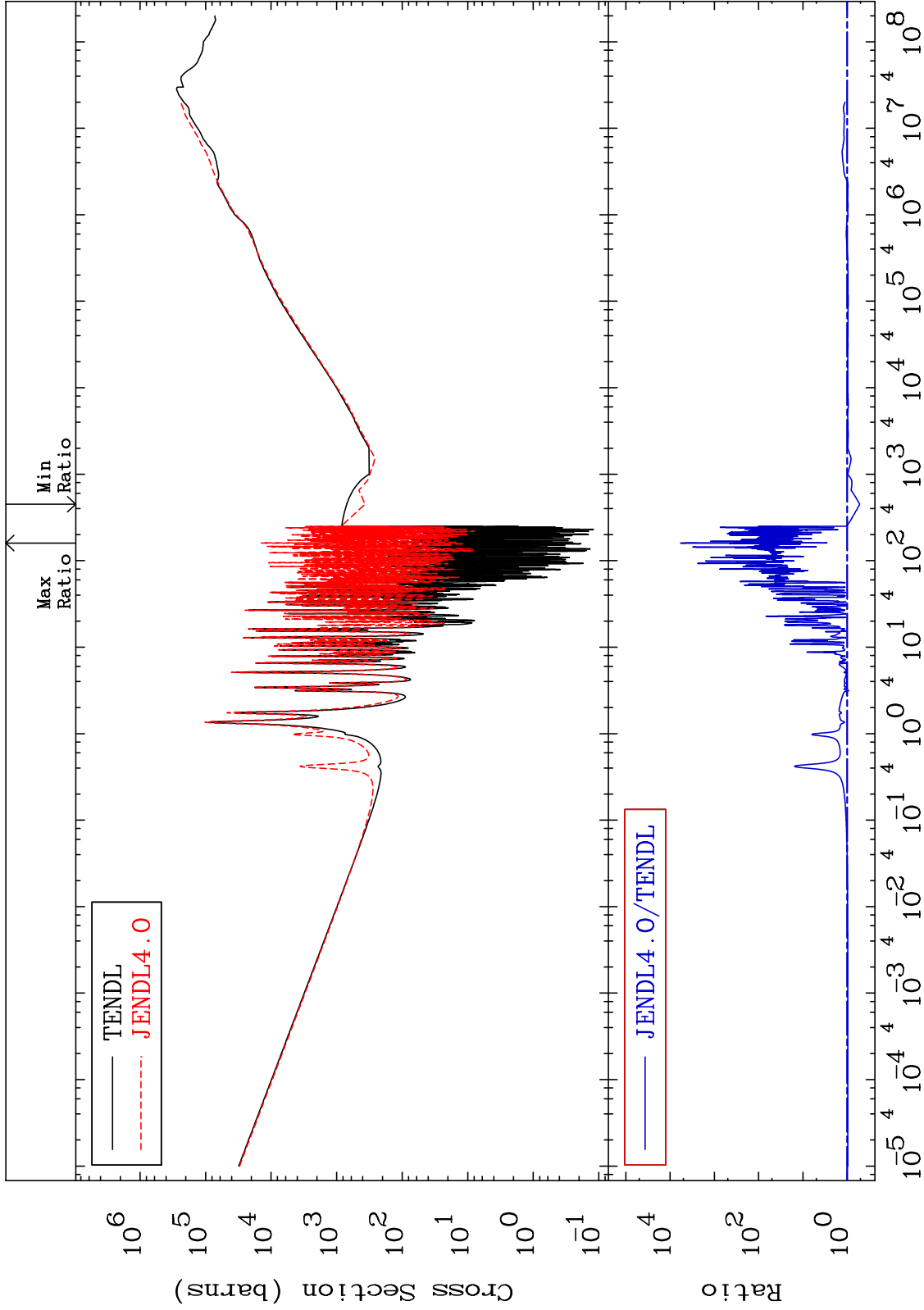
MAT 9549 Total kinematic kerma (high limit) 95-Am-243
 Cross Section -46.56 To 9999. %



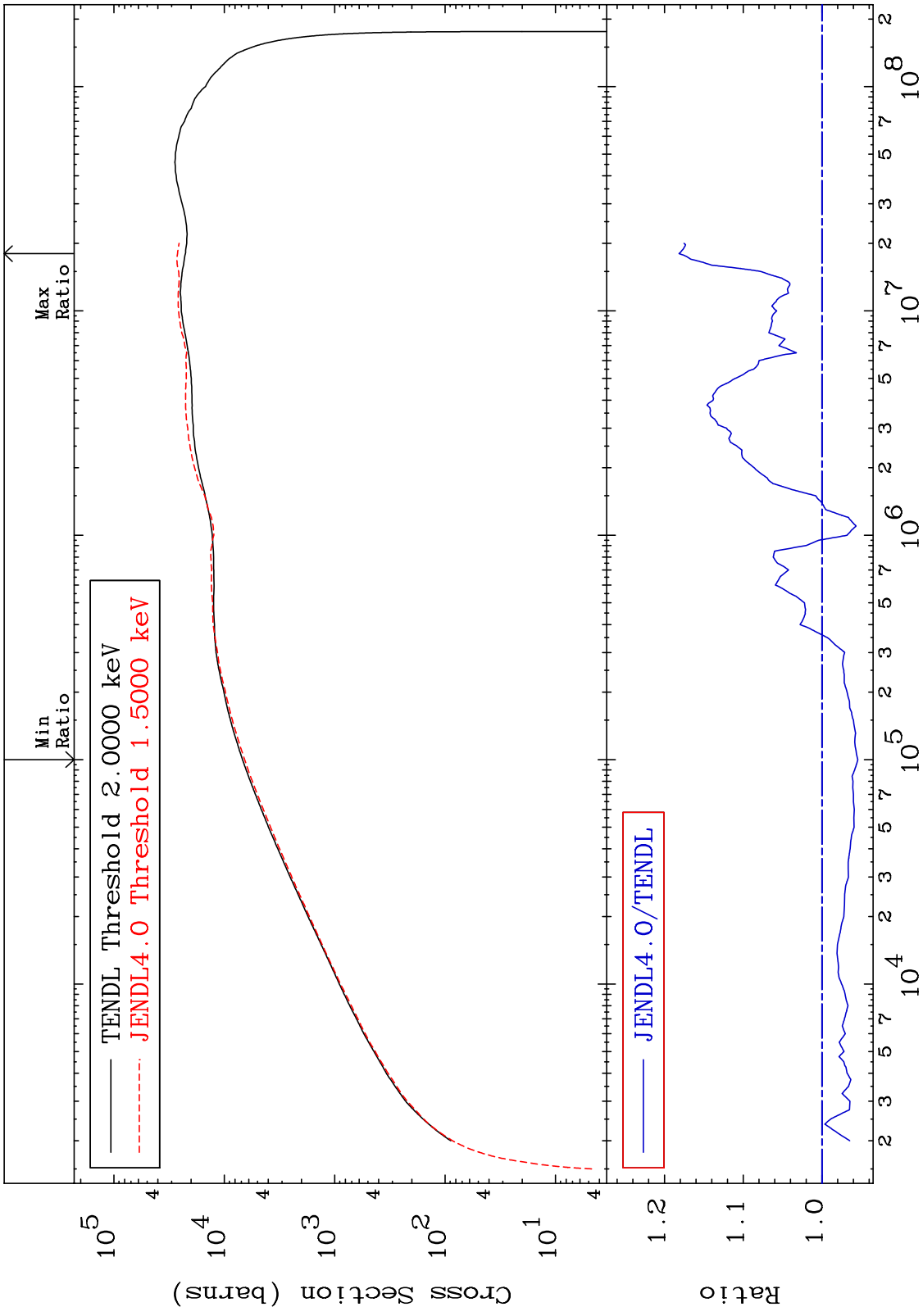
MAT 9549

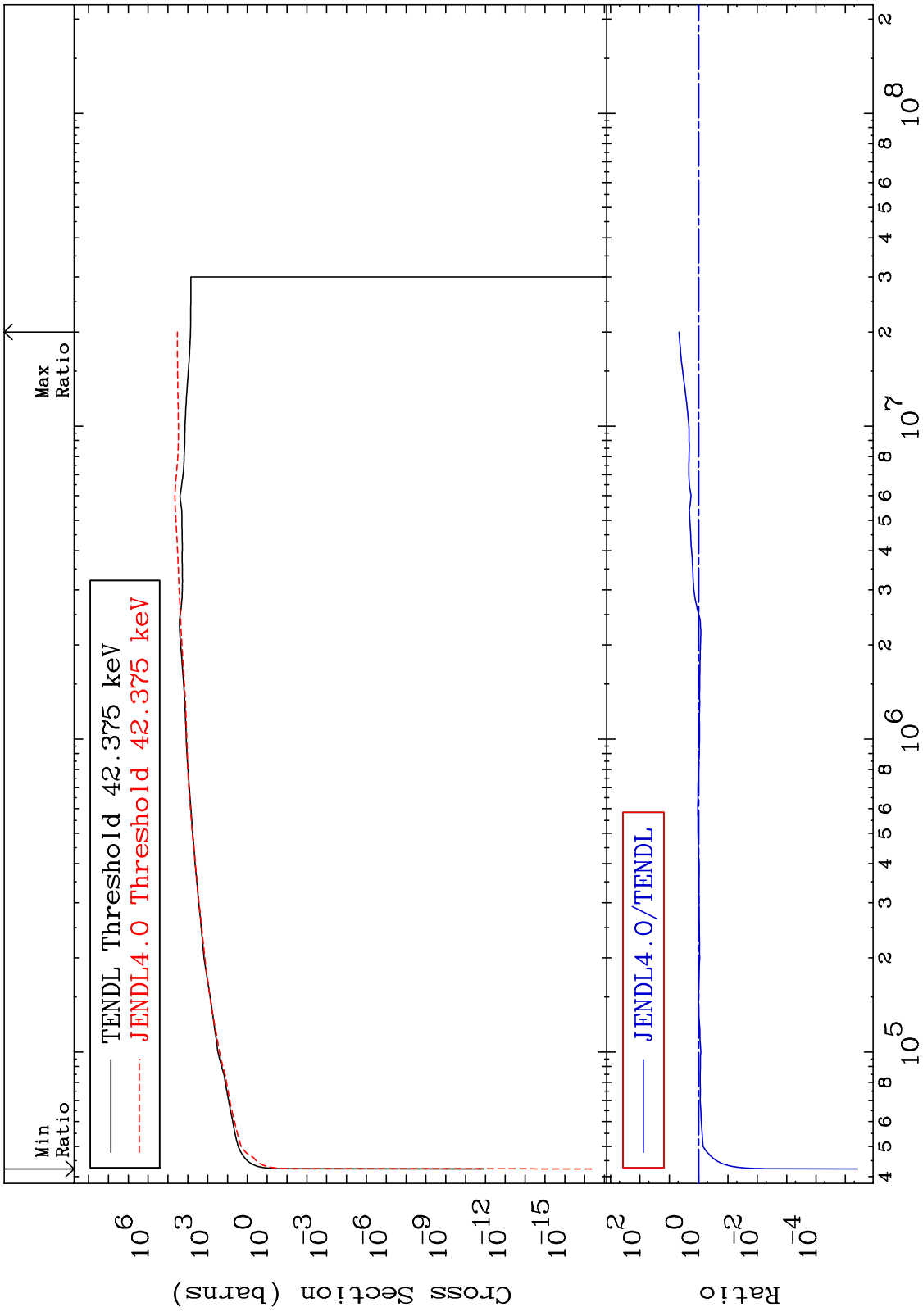
Dpa total (eV-barns)
Cross Section

95-Am-243
-47.53 To 9999. %

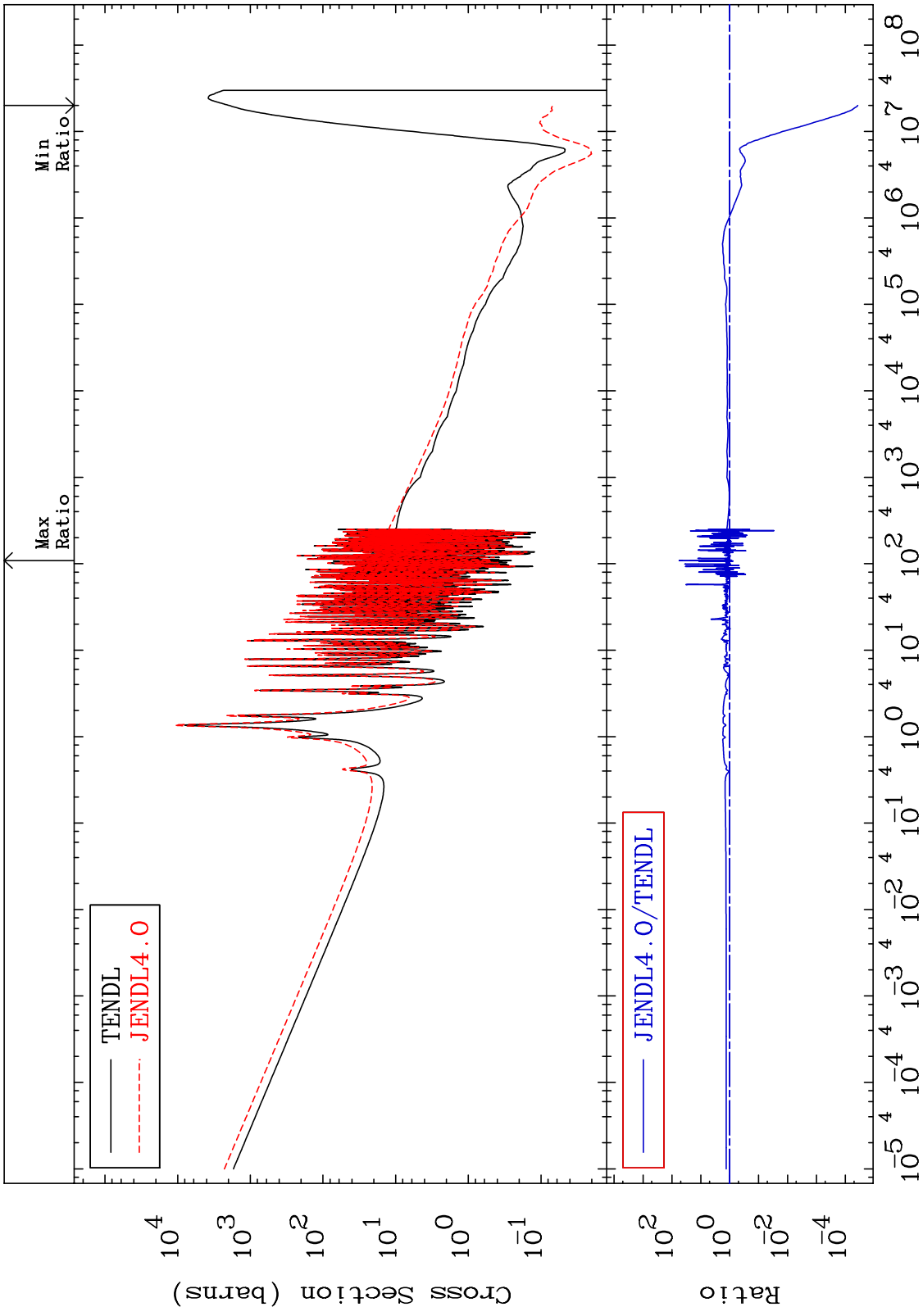


MAT 9549 95-Am-243
 Dpa elastic (mt2) -4.552 To 18.15 %
 Cross Section





MAT 9549 Dpa disappearance (mt102 -120) 95-Am-243
 Cross Section -100.0 To 5580. %



MAT 9549 (n,2n):95-Am-242m2 95-Am-243
 Radionuclide Production Cross Section 6.855 To 1021. %

