

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

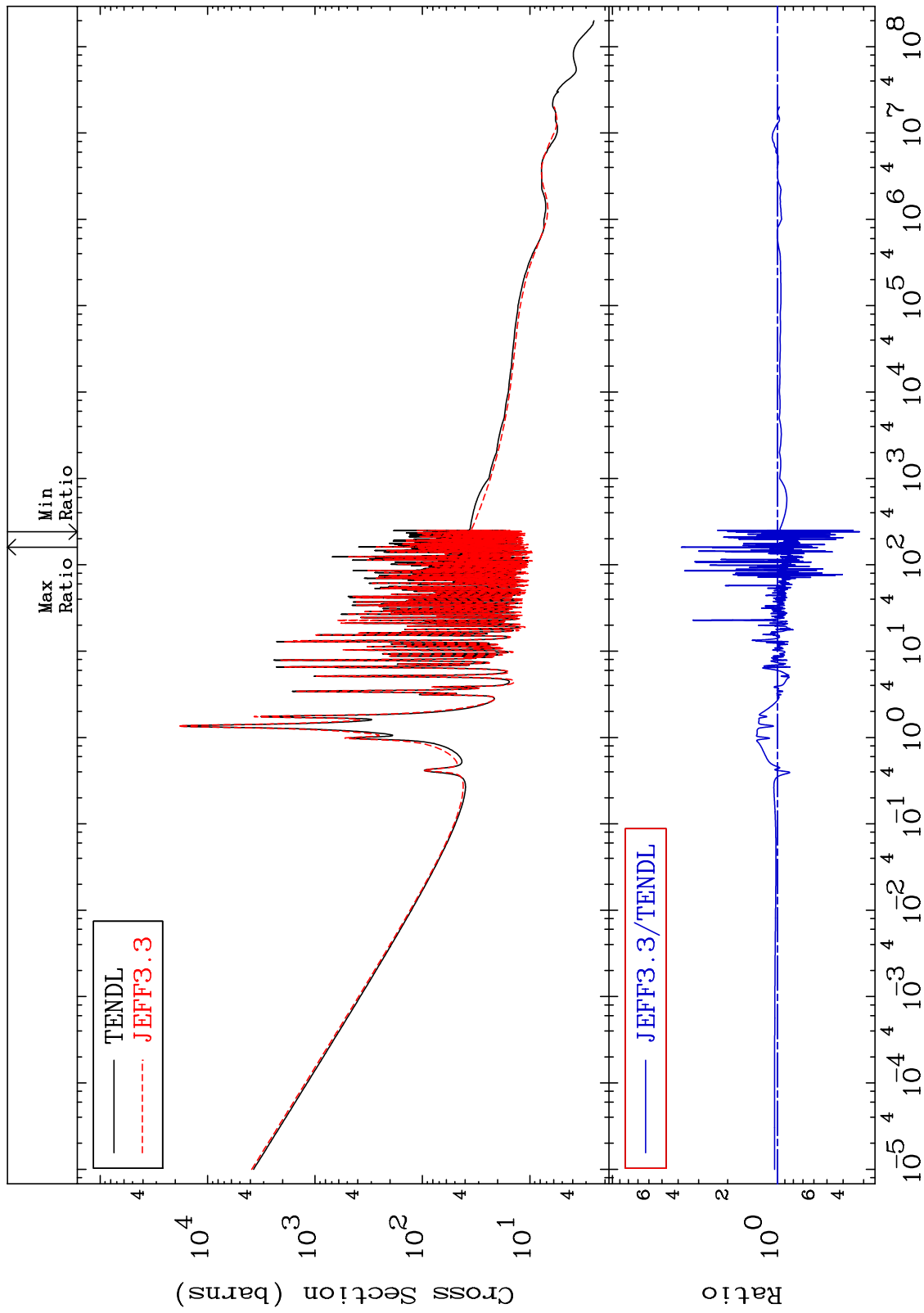
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9549

Total
Cross Section

95-Am-243
-68.33 To 282.4 %

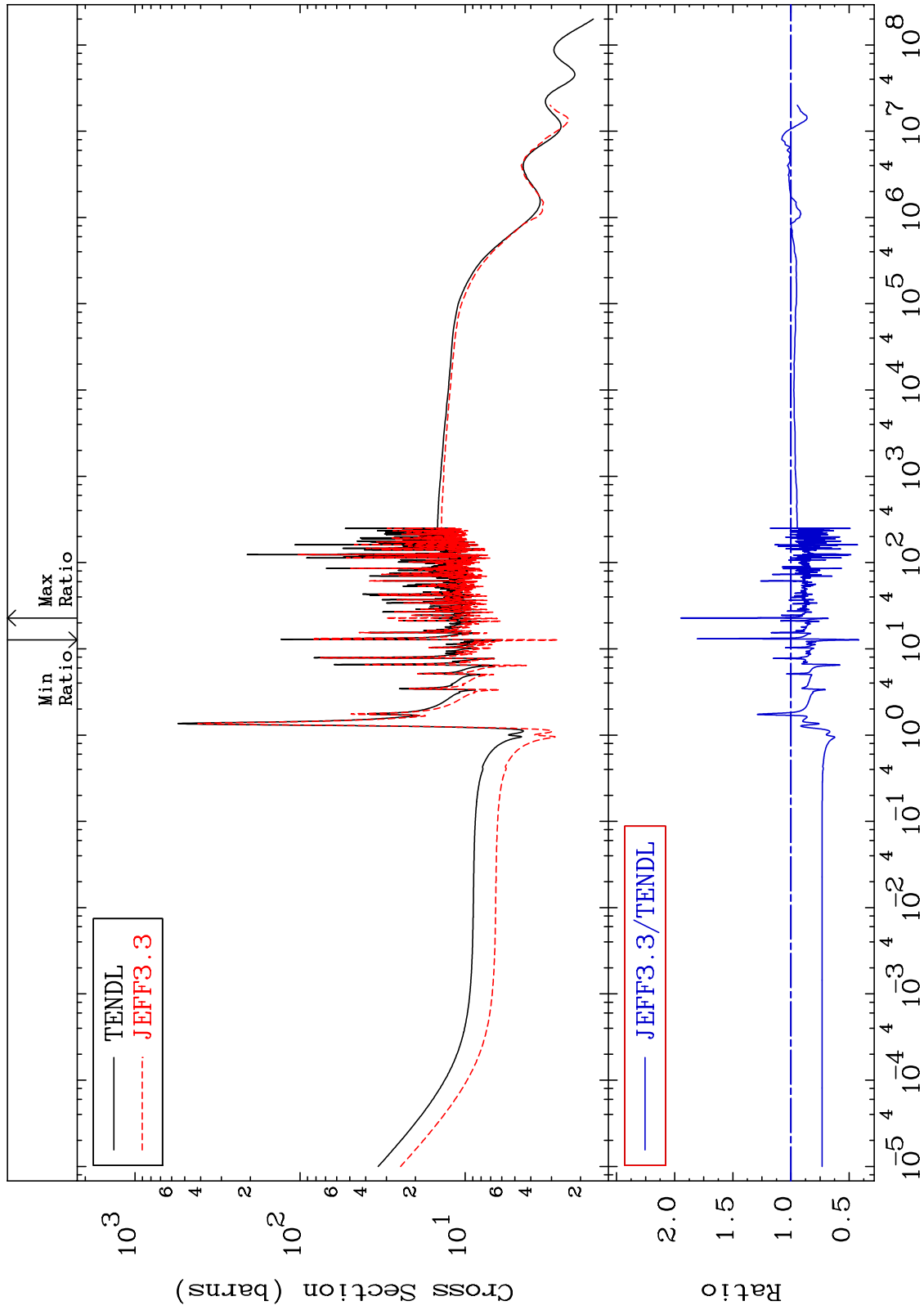


Incident Energy (eV)

95-Am-243

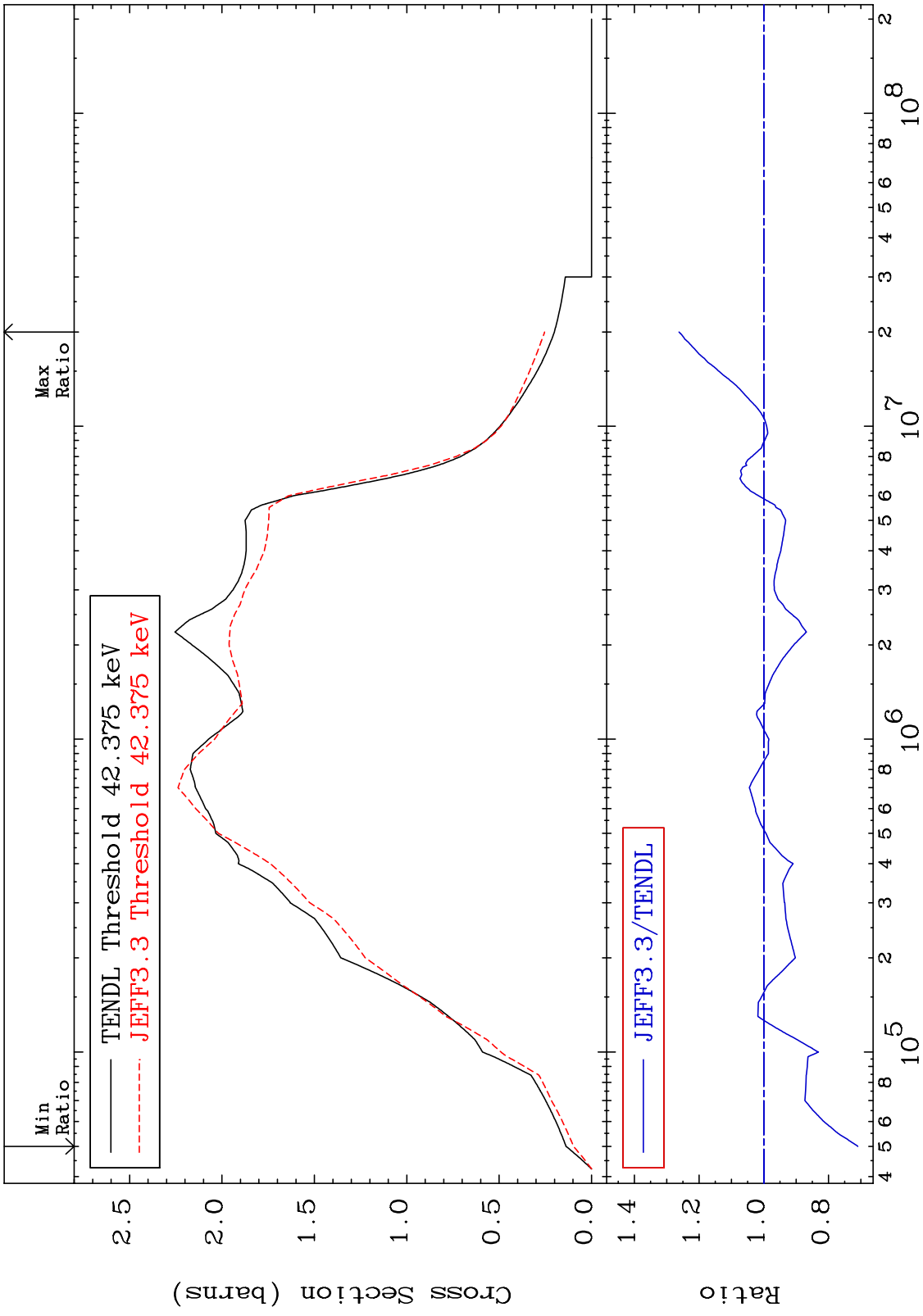
1

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

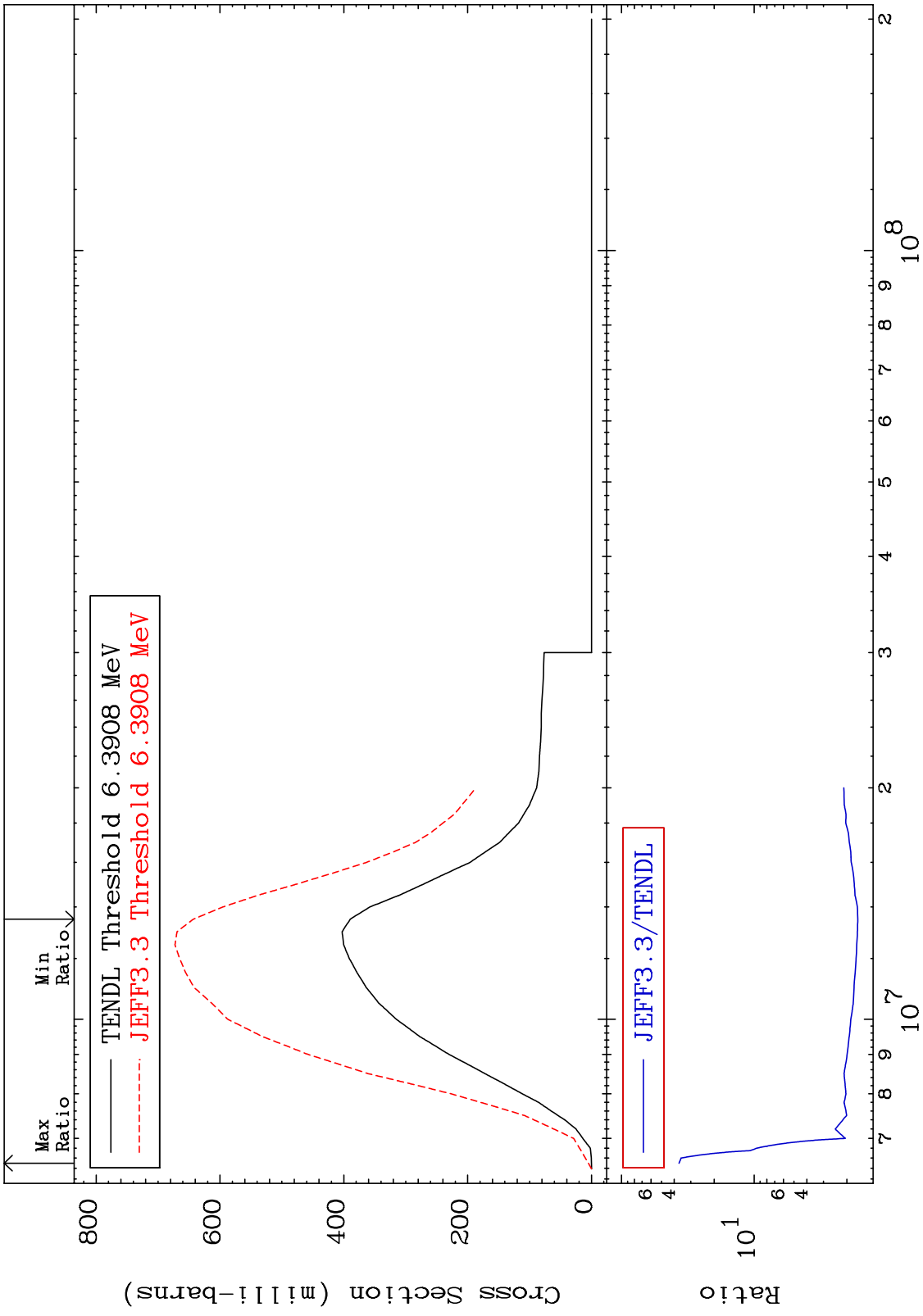


2 95-Am-243

MAT 9549 95-Am-243
-29.10 To 26.18 %

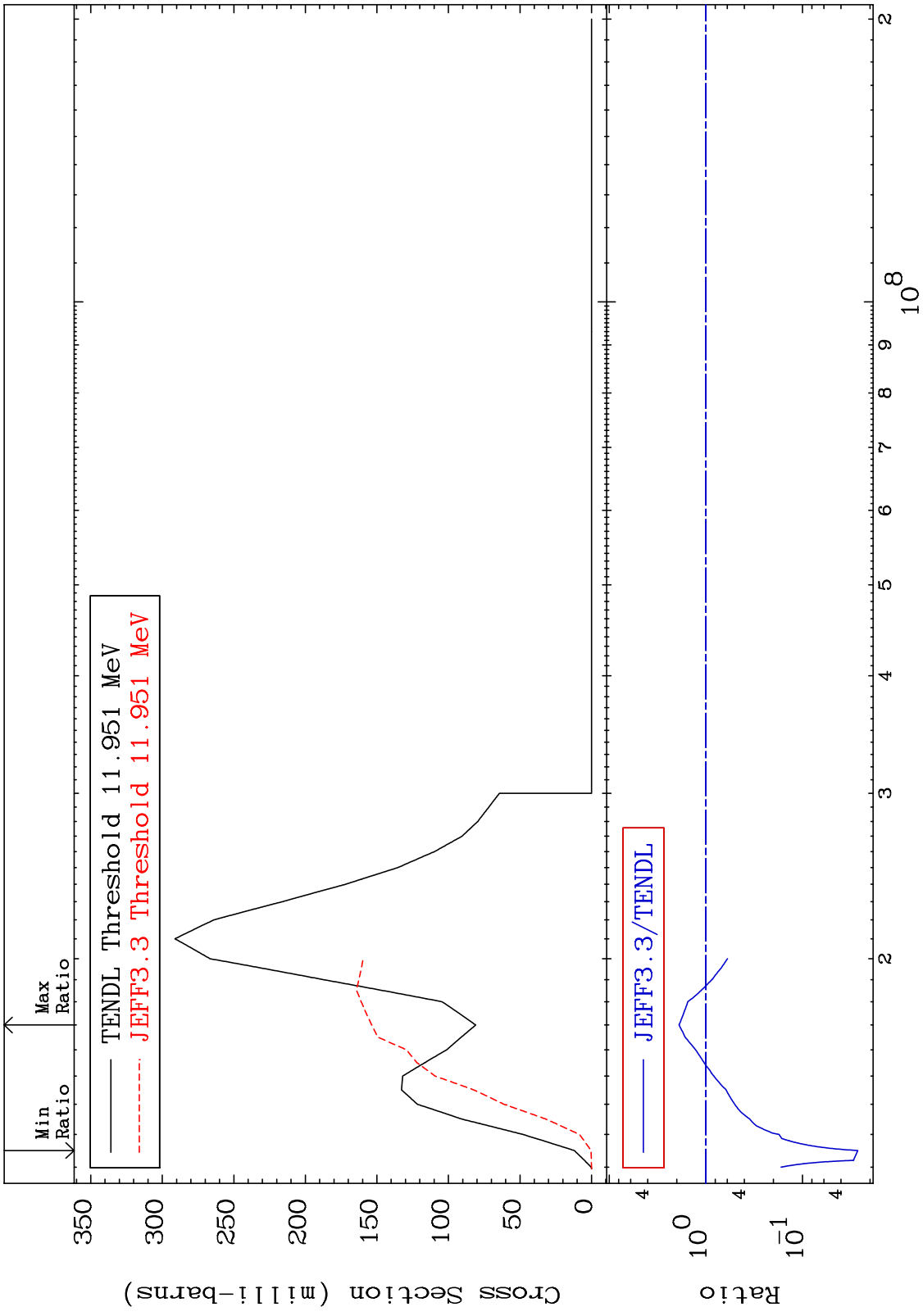


MAT 9549 (n,2n) Cross Section 95-Am-243 65.02 To 3582. %



4 95-Am-243

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



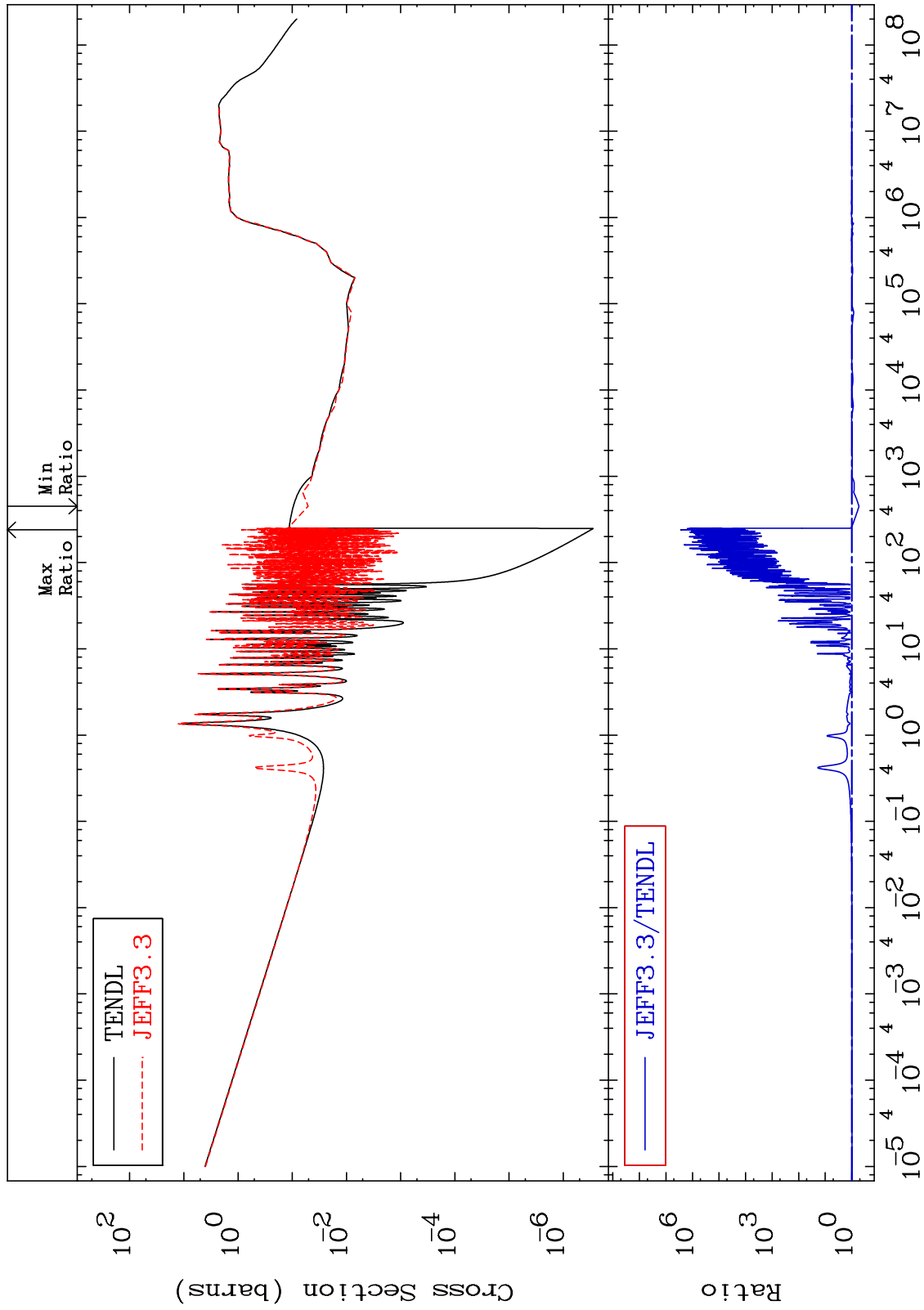
MAT 9549

Fission

95-Am-243

Cross Section

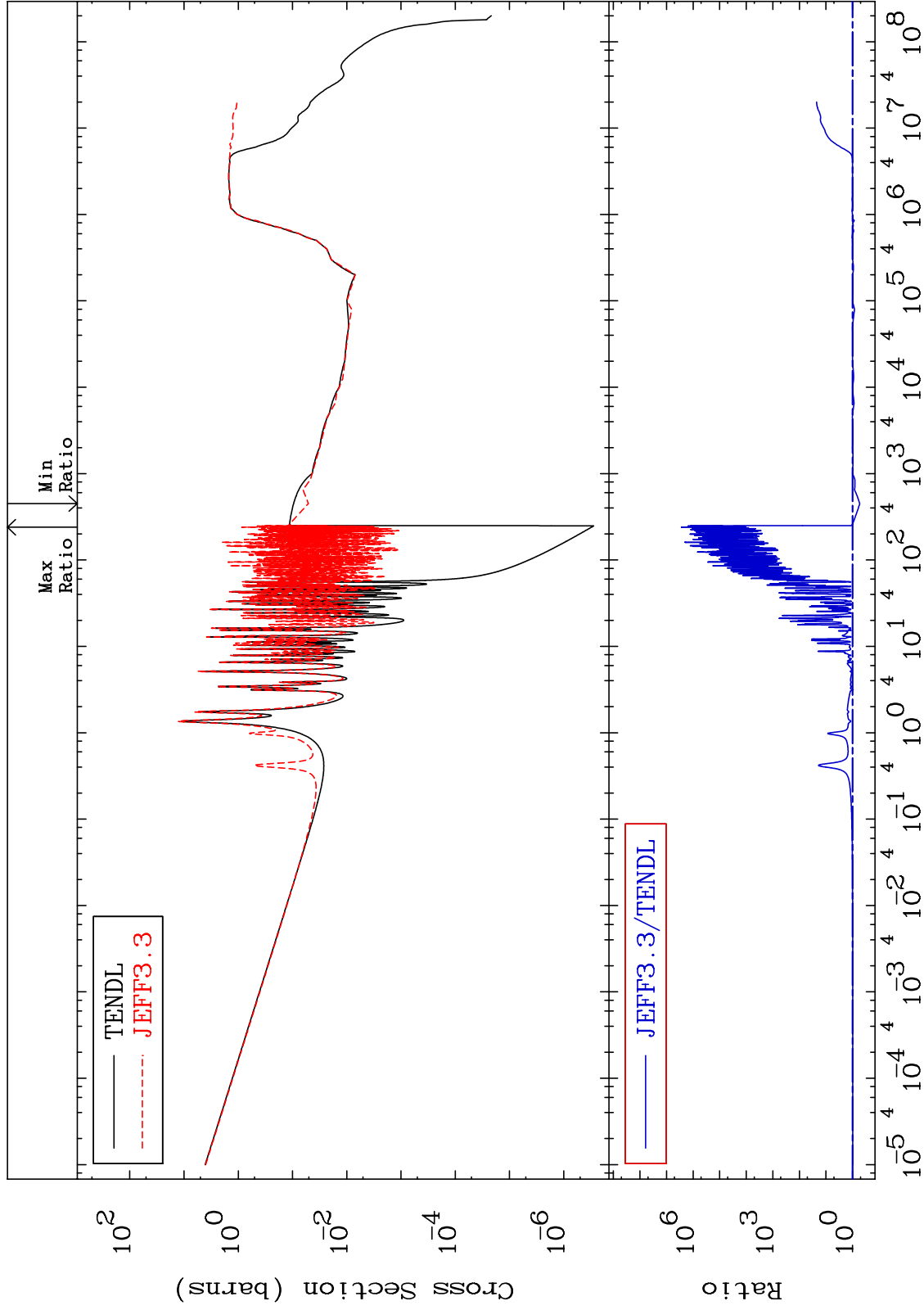
-46.64 To 9999. %



MAT 9549

(n,f) First Chance
Cross Section

95-Am-243
-46.64 To 9999. %

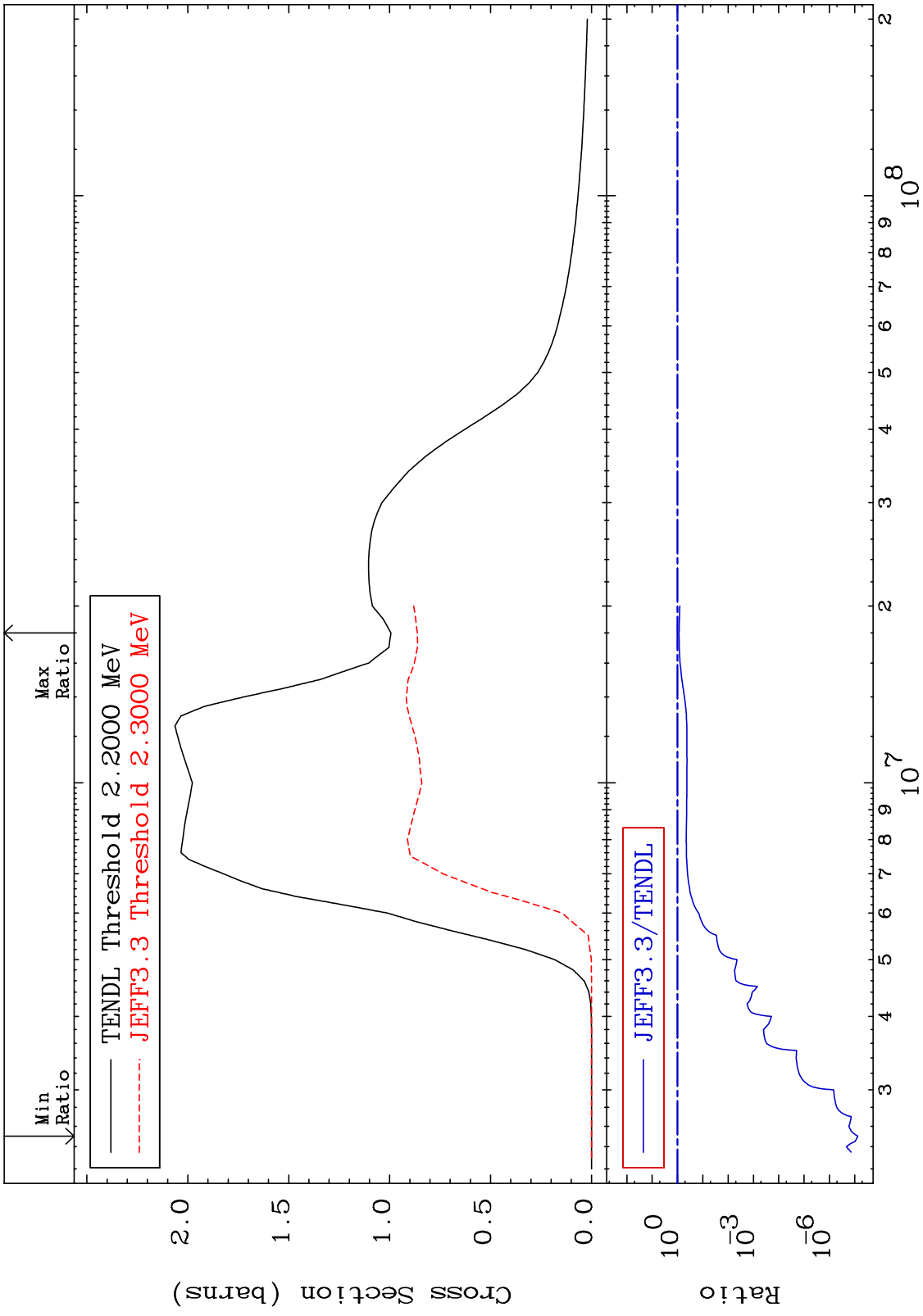


7

Incident Energy (eV)

95-Am-243

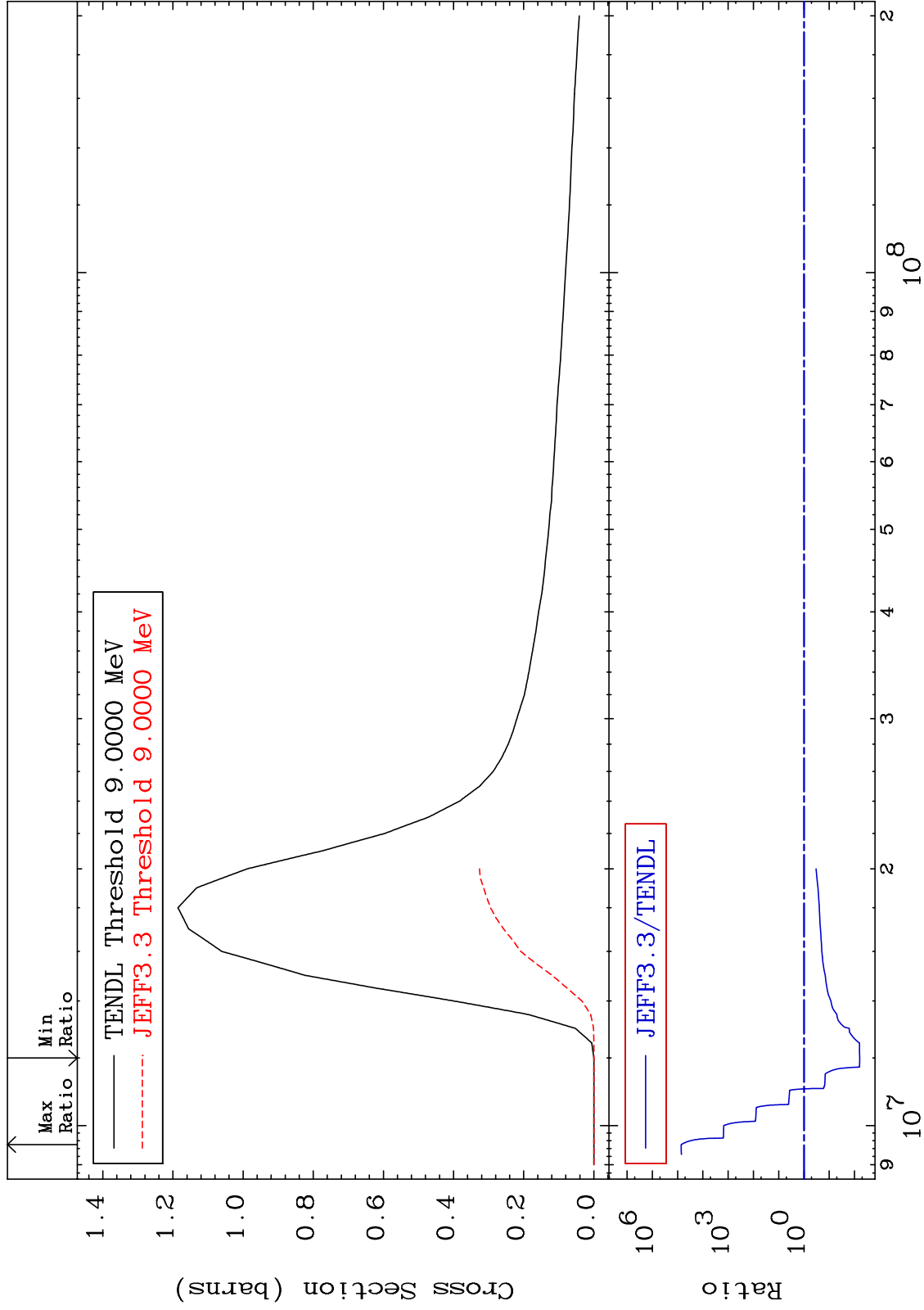
MAT 9549 (n,nf) Second Chance Cross Section 95-Am-243 -100.0 To -13.17%



MAT 9549

(n,2nf) Third Chance
Cross Section

95-Am-243
-99.38 To 9999. %



9

Incident Energy (eV)

95-Am-243

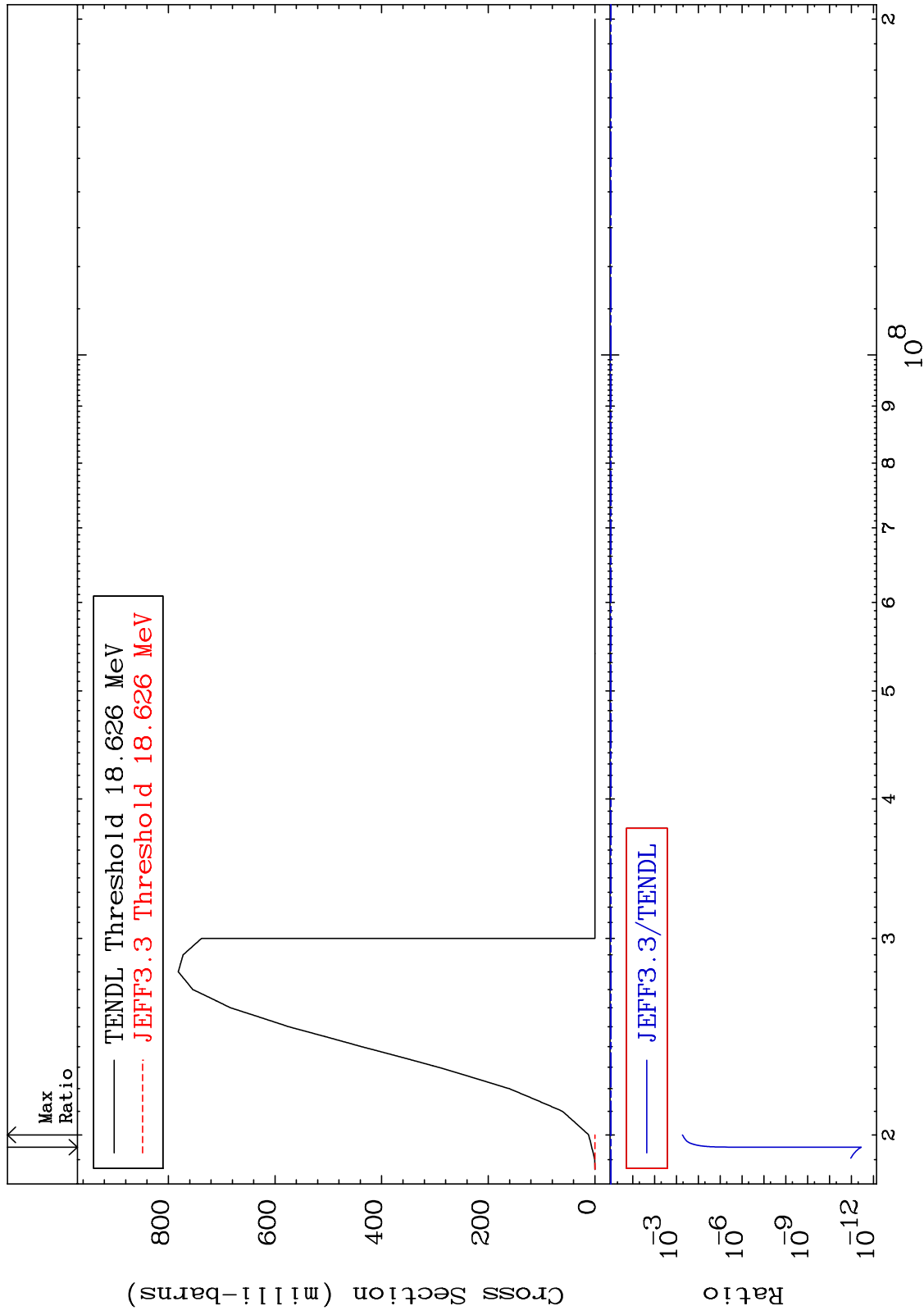
MAT 9549

(n,4n)

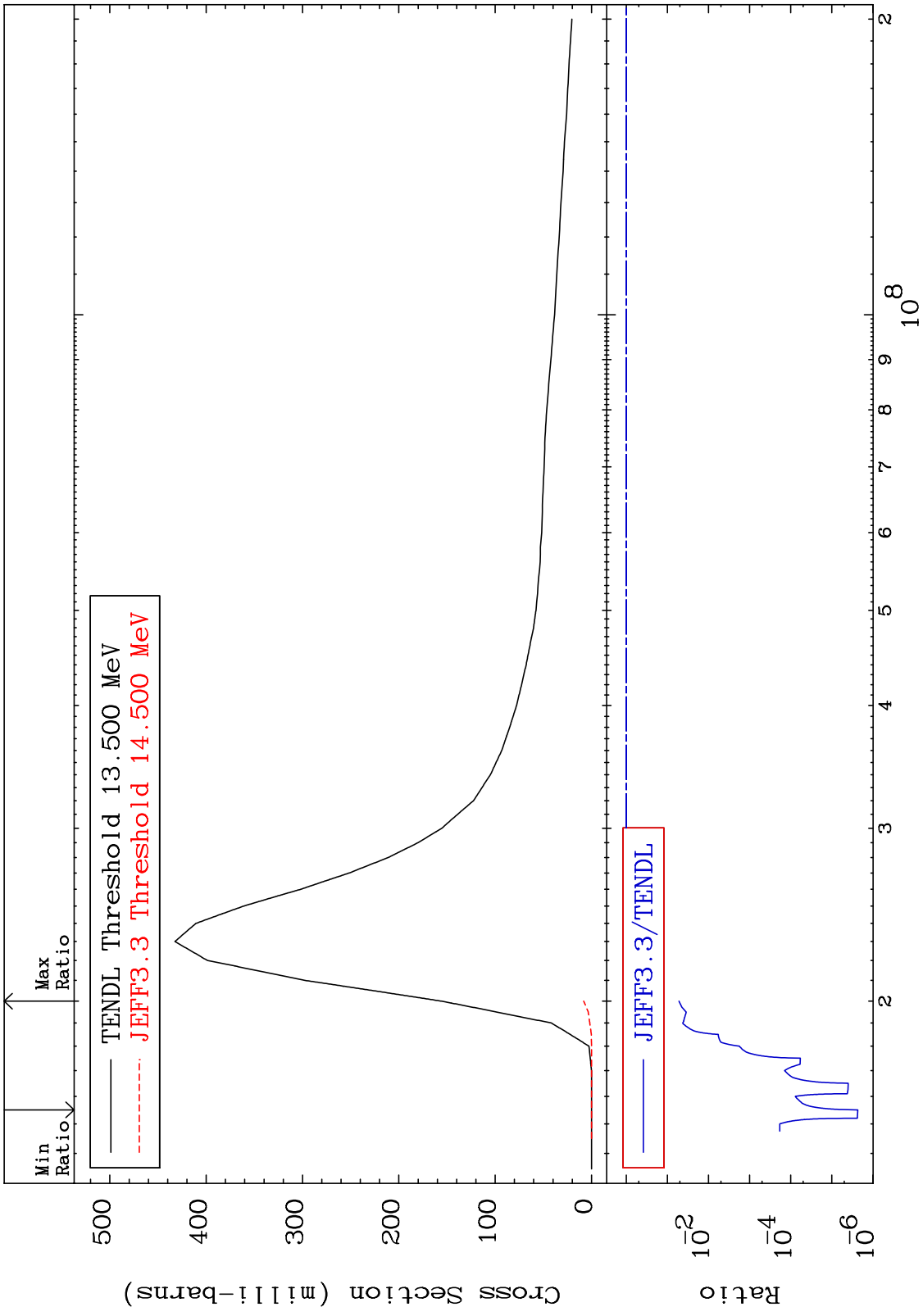
95-Am-243

Cross Section

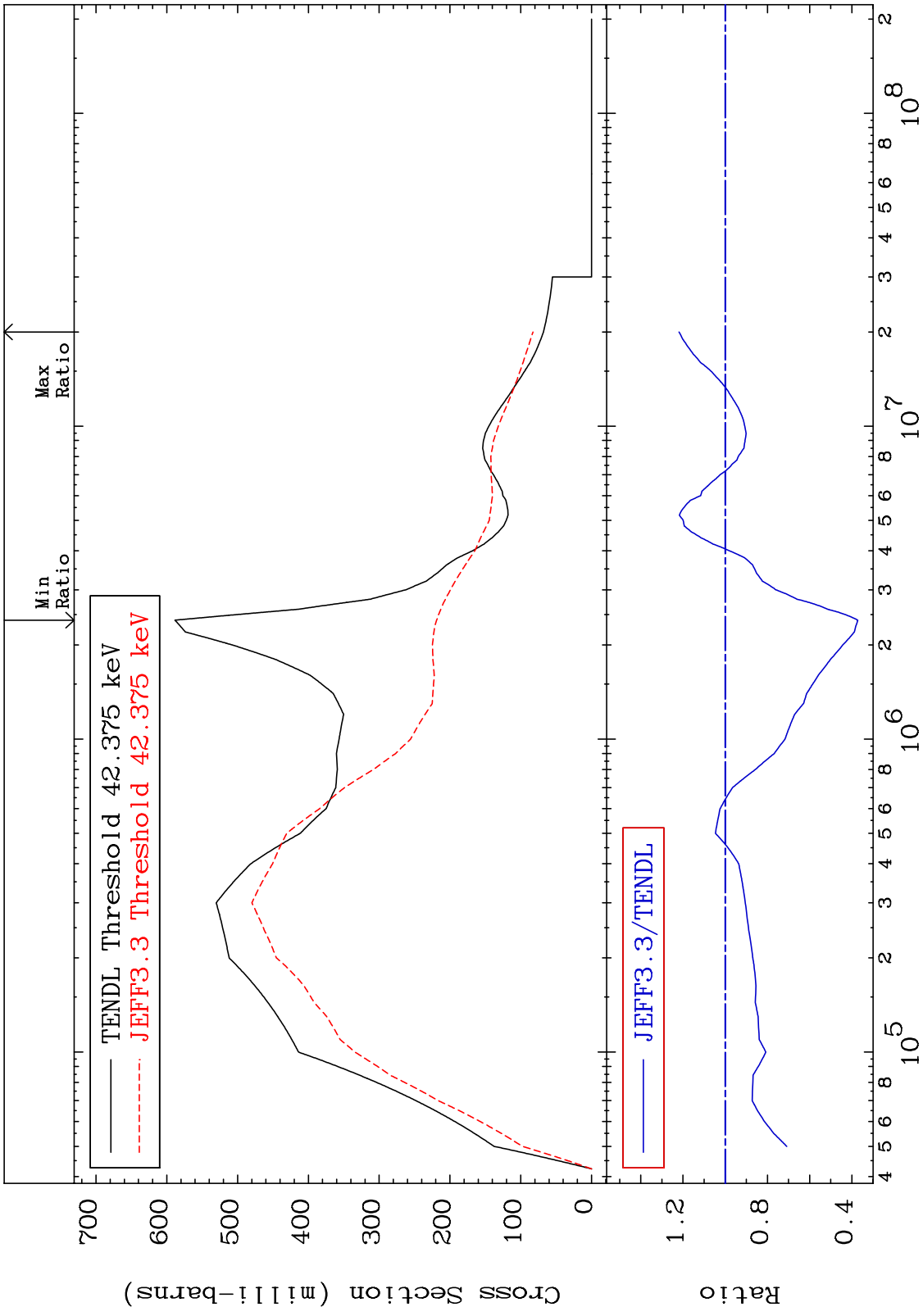
-100.0 To -99.95%



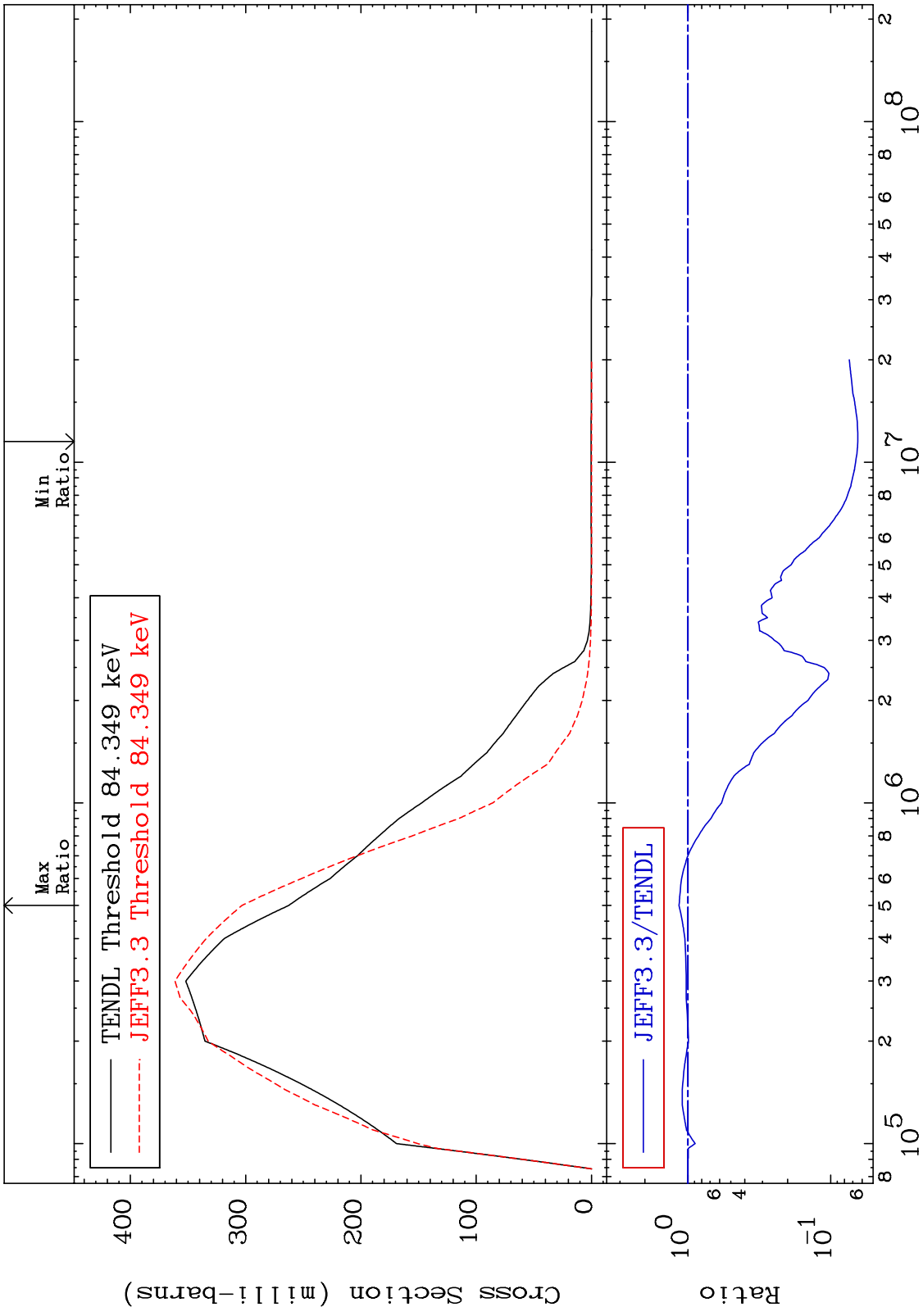
MAT 9549 (n,3nf) Fourth Chance Cross Section 95-Am-243 -100.0 To -94.78%



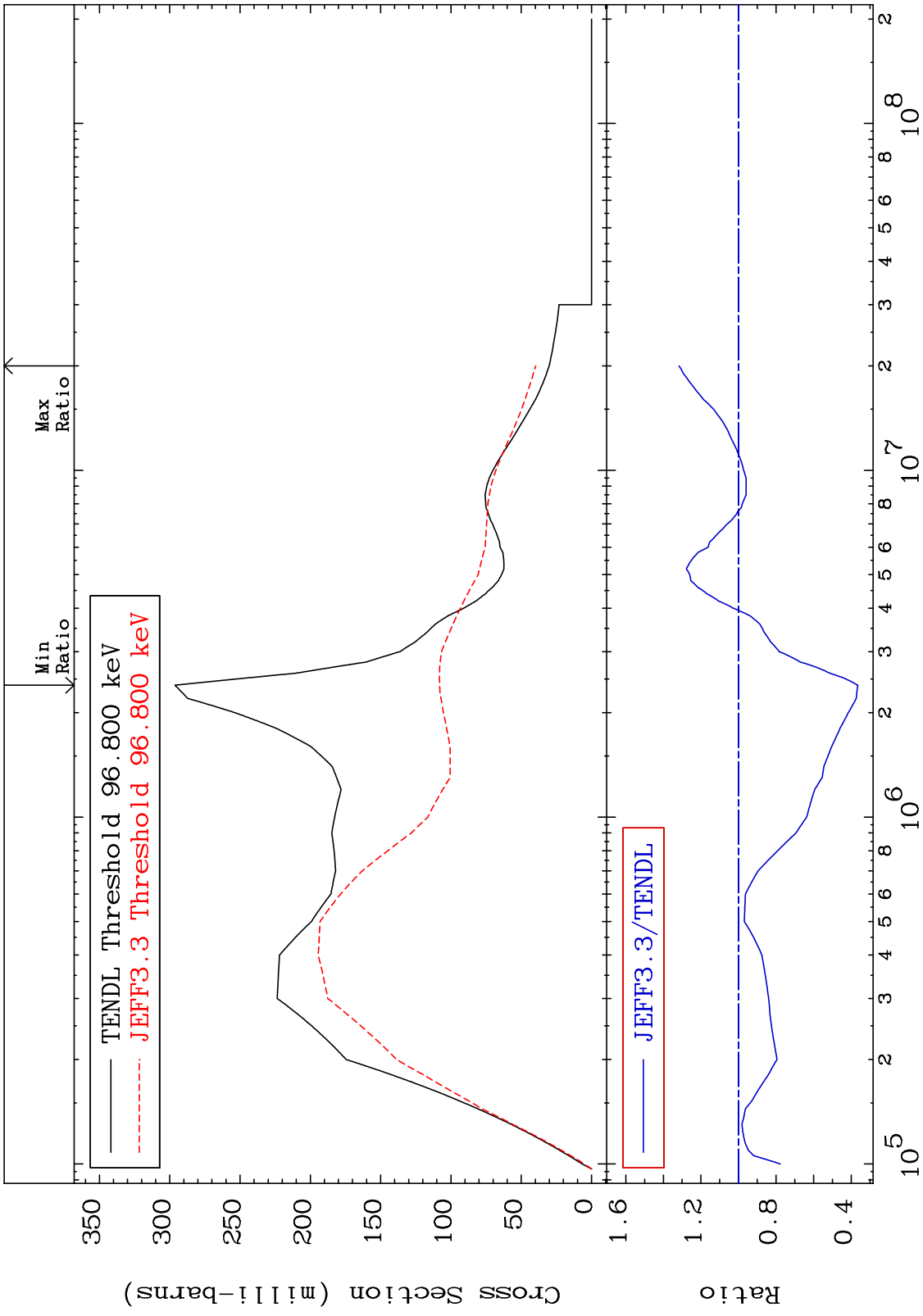
MAT 9549 MT= 51 (n,n') Level Cross Section 95-Am-243
 -62.83 To 21.87 %



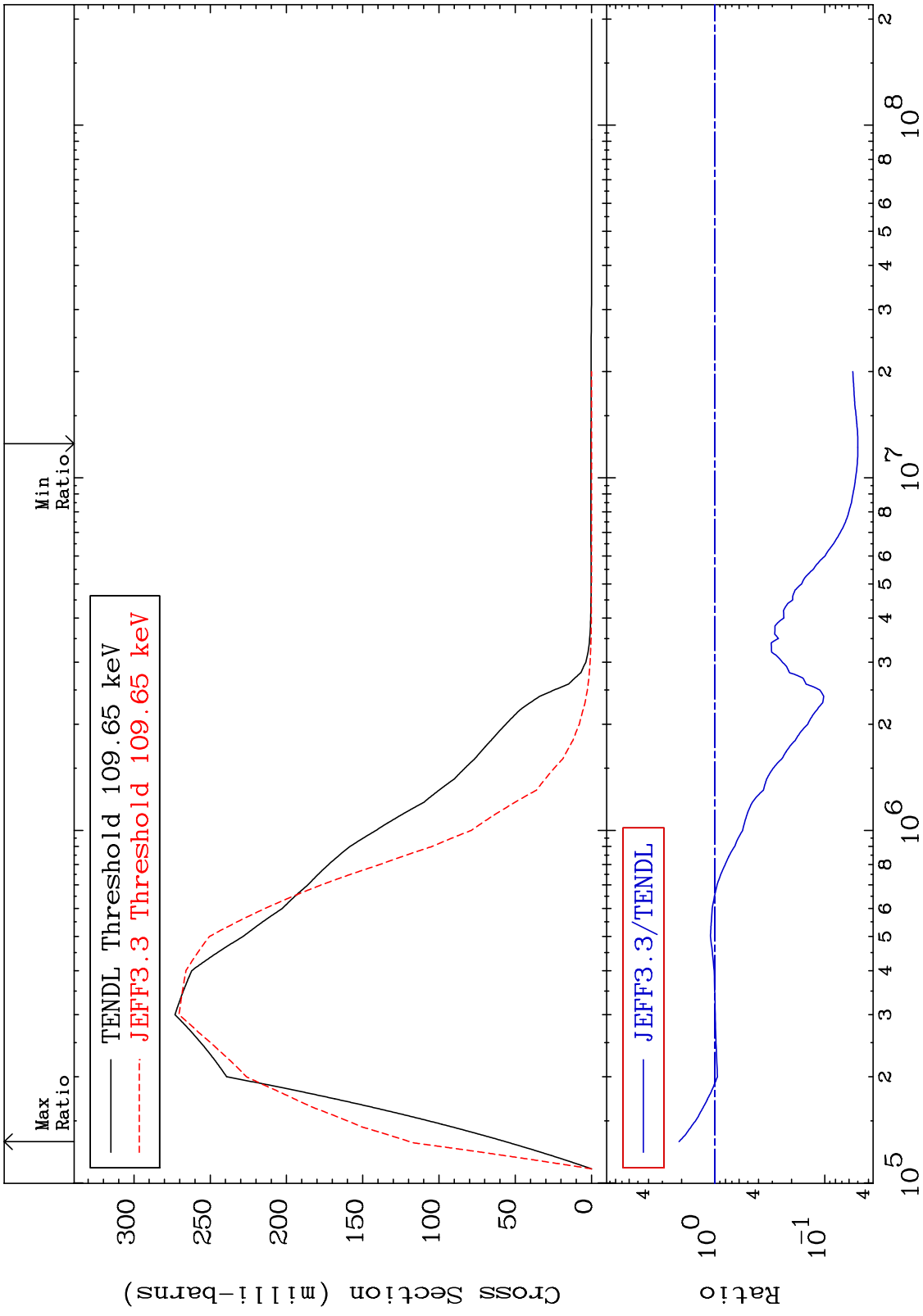
MAT 9549 MT= 52 (n,n') Level Cross Section 95-Am-243
-93.56 To 15.41 %



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

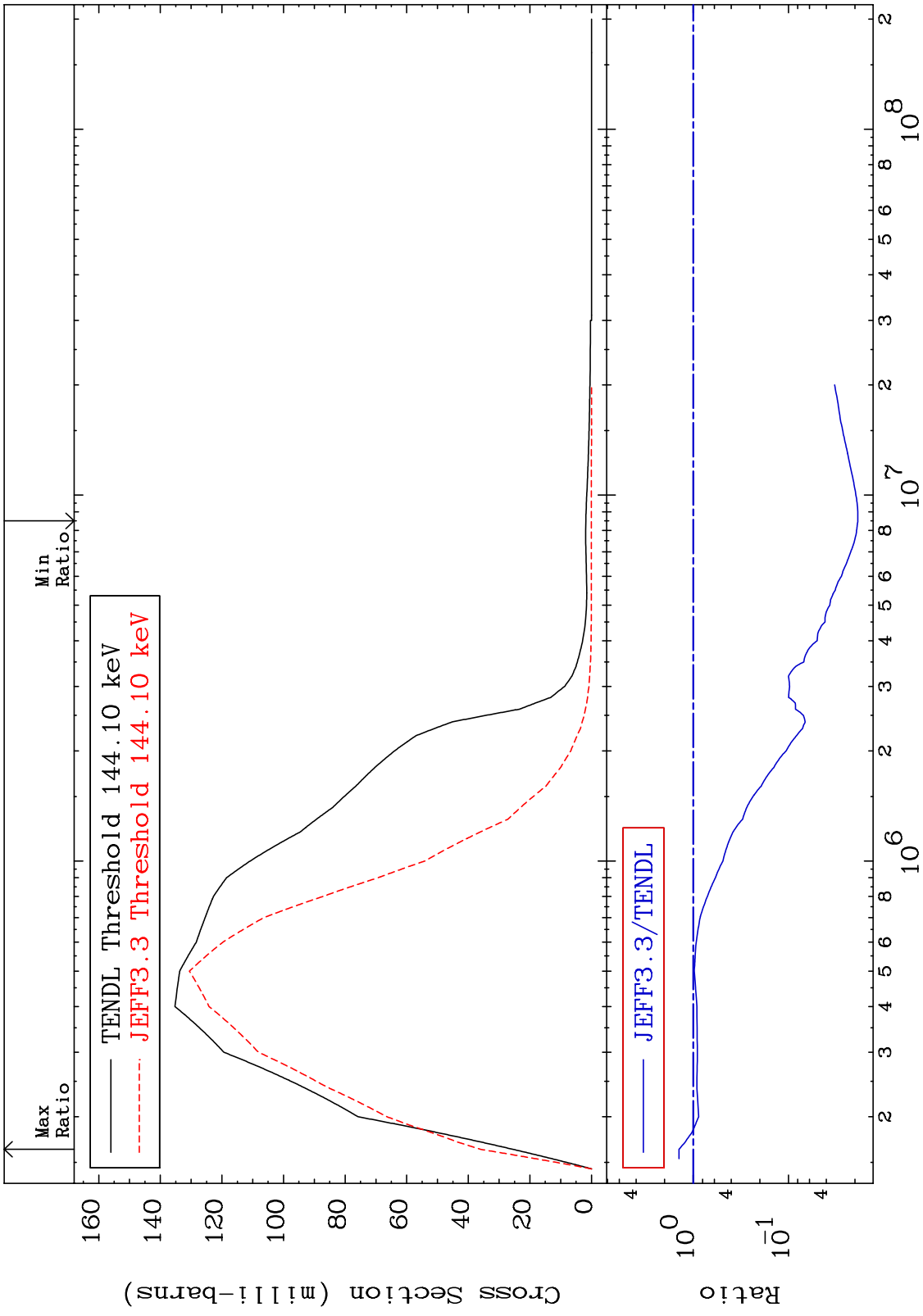


MAT 9549 MT= 54 (n,n') Level Cross Section 95-Am-243
-95.00 To 111.4 %



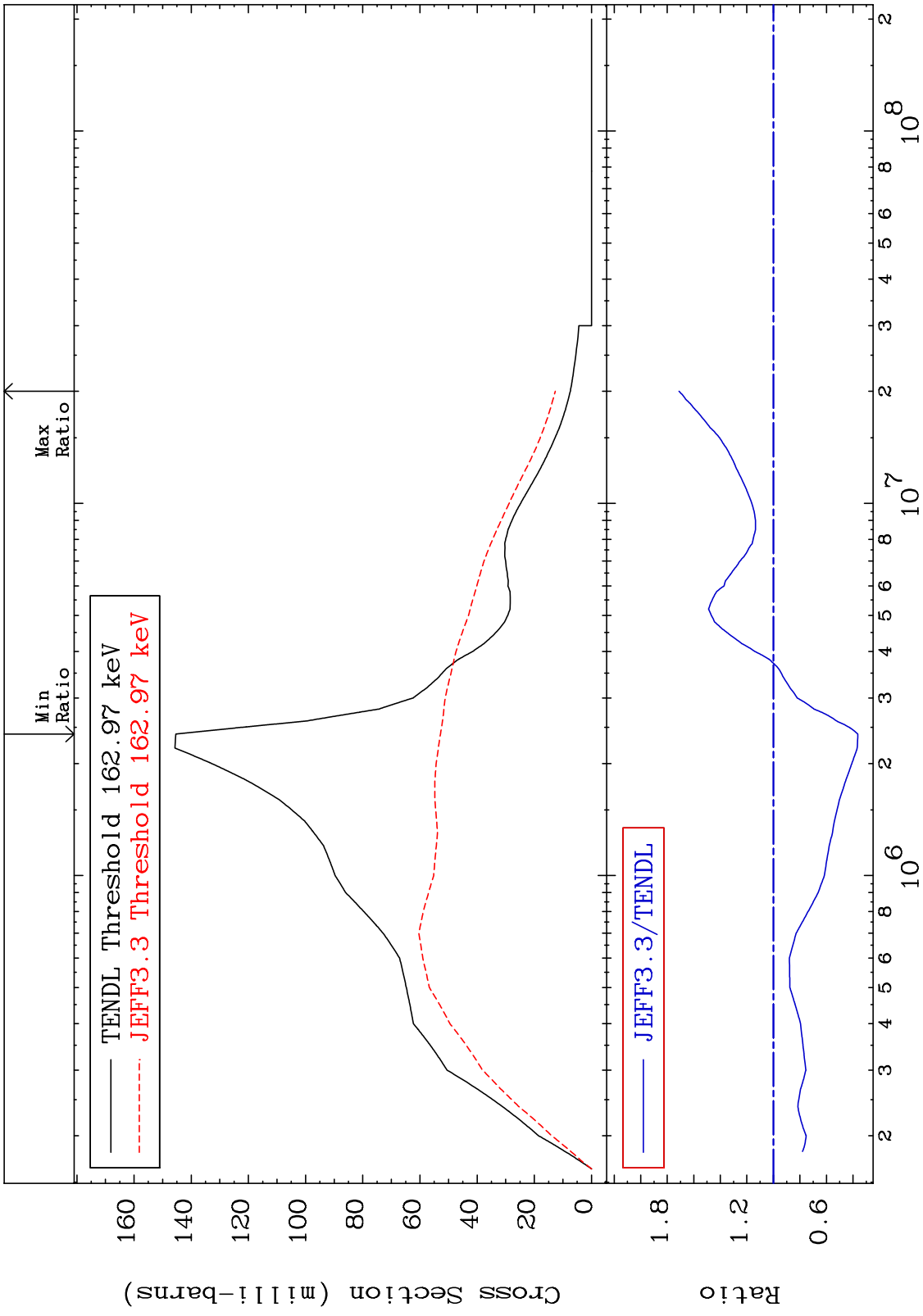
15 15 95-Am-243

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

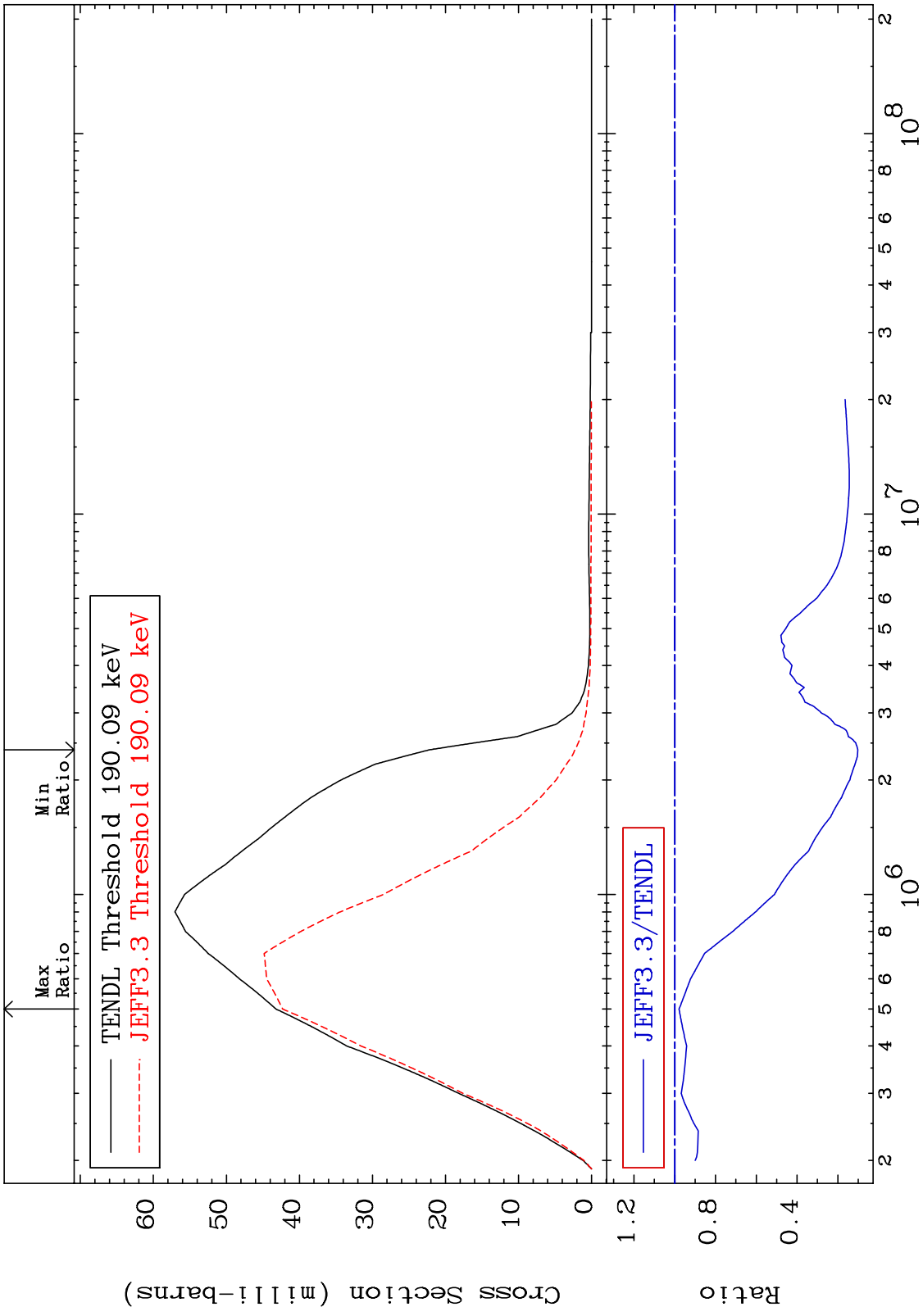


16 Incident Energy (eV) 95-Am-243

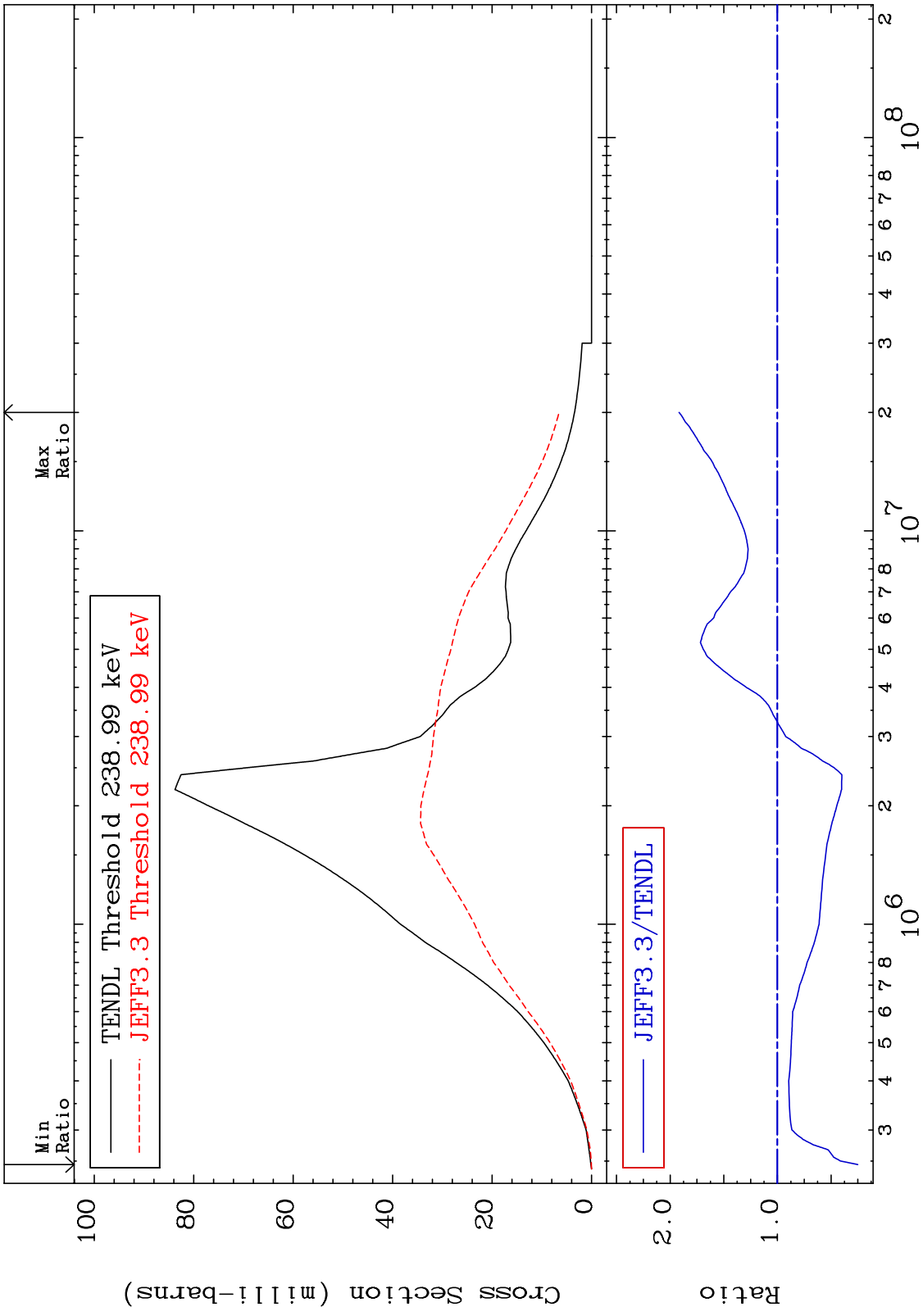
MAT 9549 MT= 56 (n,n') Level 95-Am-243
 Cross Section -63.68 To 71.12 %



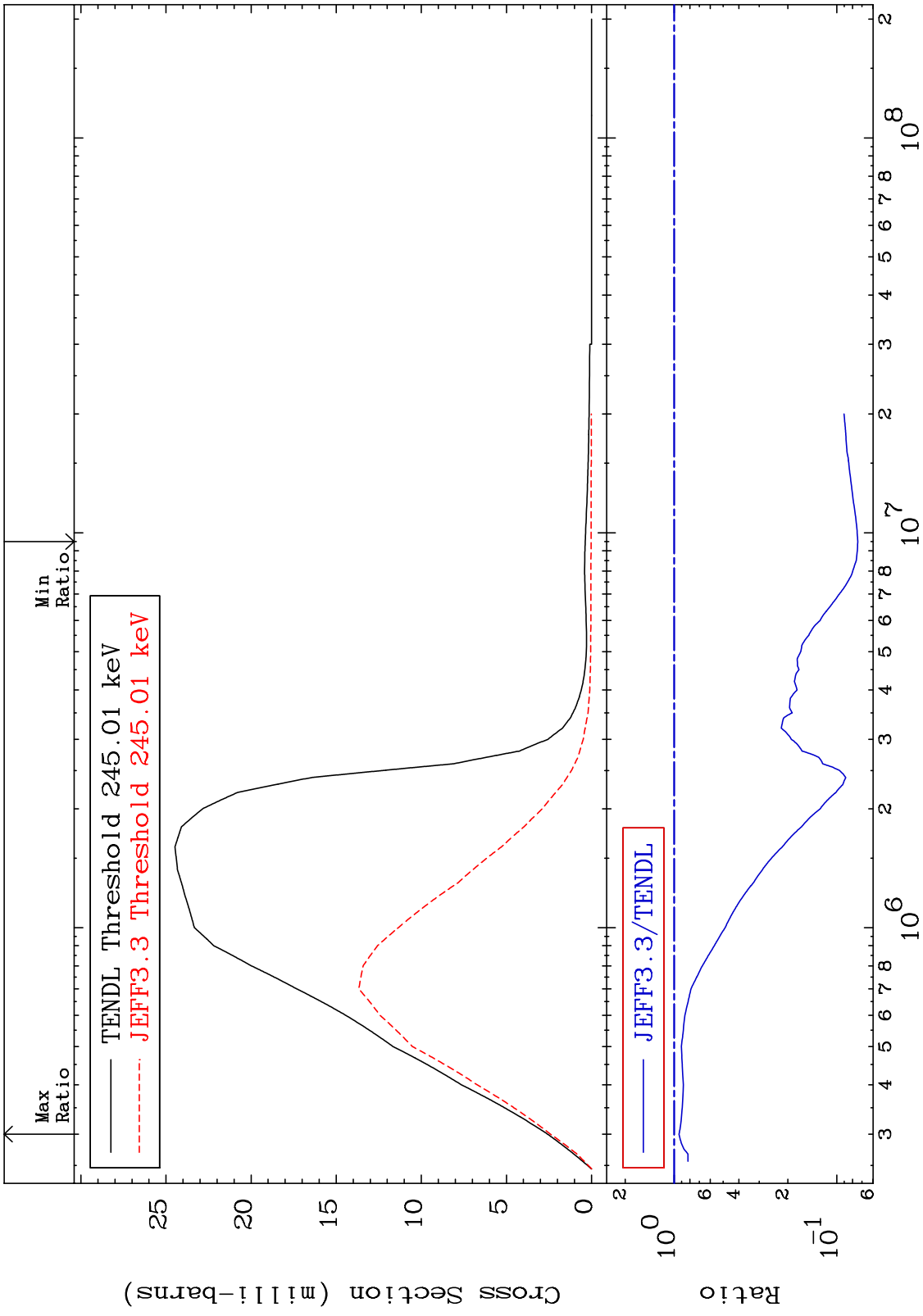
MAT 9549 MT= 57 (n,n') Level 95-Am-243
 Cross Section -89.81 To -2.105%



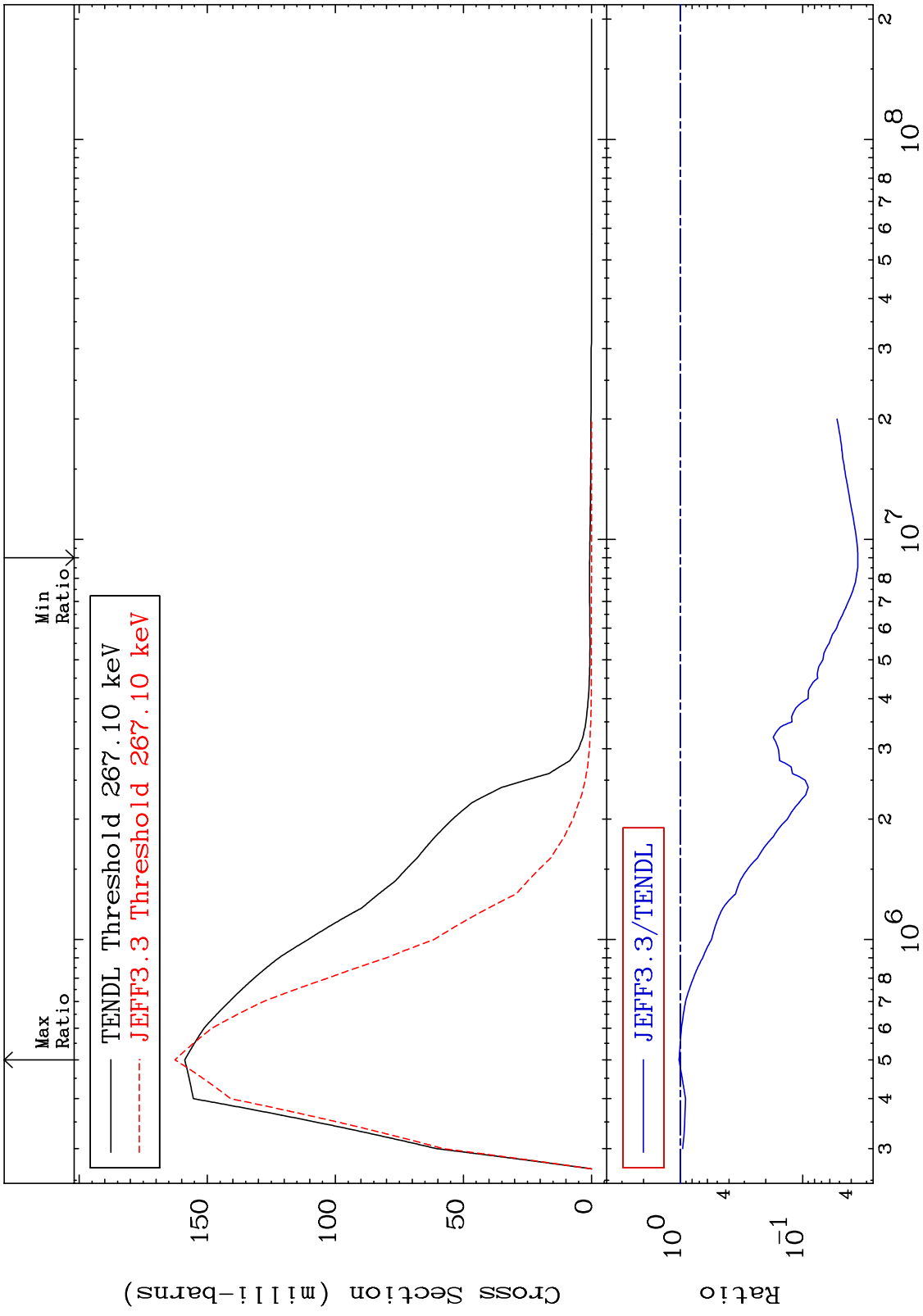
MAT 9549 MT= 58 (n,n') Level Cross Section 95-Am-243 -75.01 To 91.71 %



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



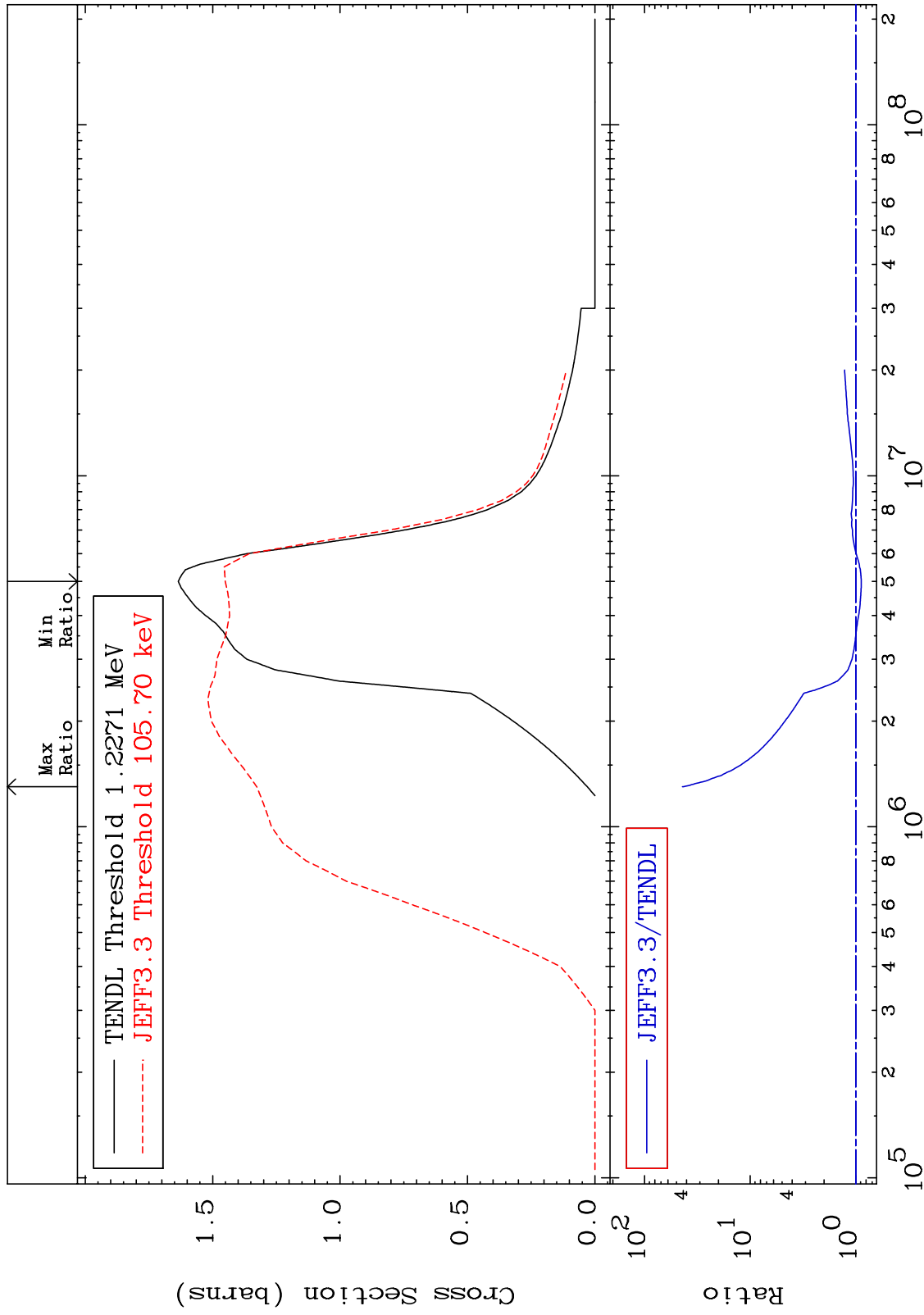
MAT 9549 MT= 60 (n,n') Level Cross Section 95-Am-243
 -96.46 To 2.417 %



MAT 9549

(n, n') Continuum
Cross Section

95-Am-243
-11.29 To 4283. %



22

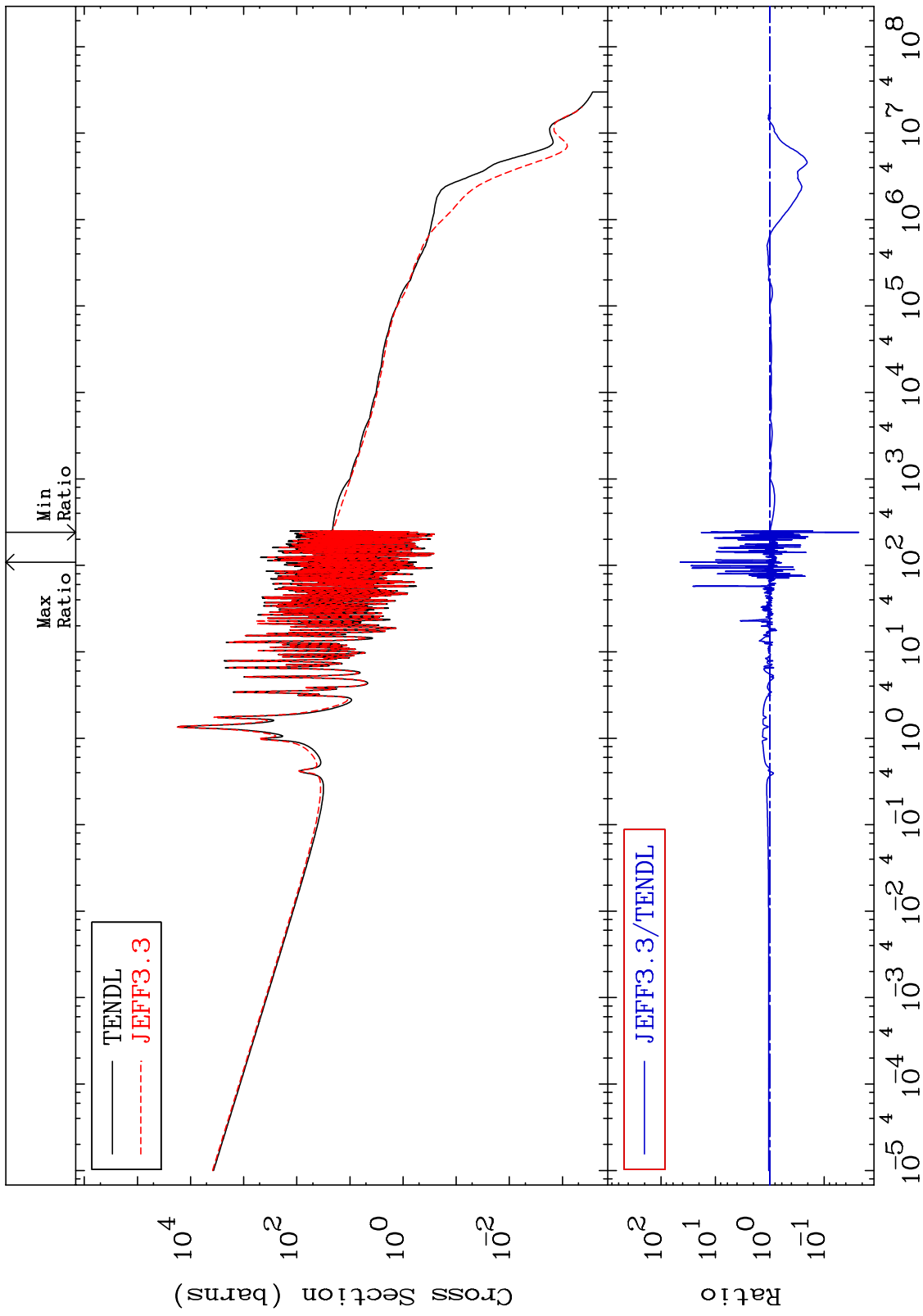
Incident Energy (eV)

95-Am-243

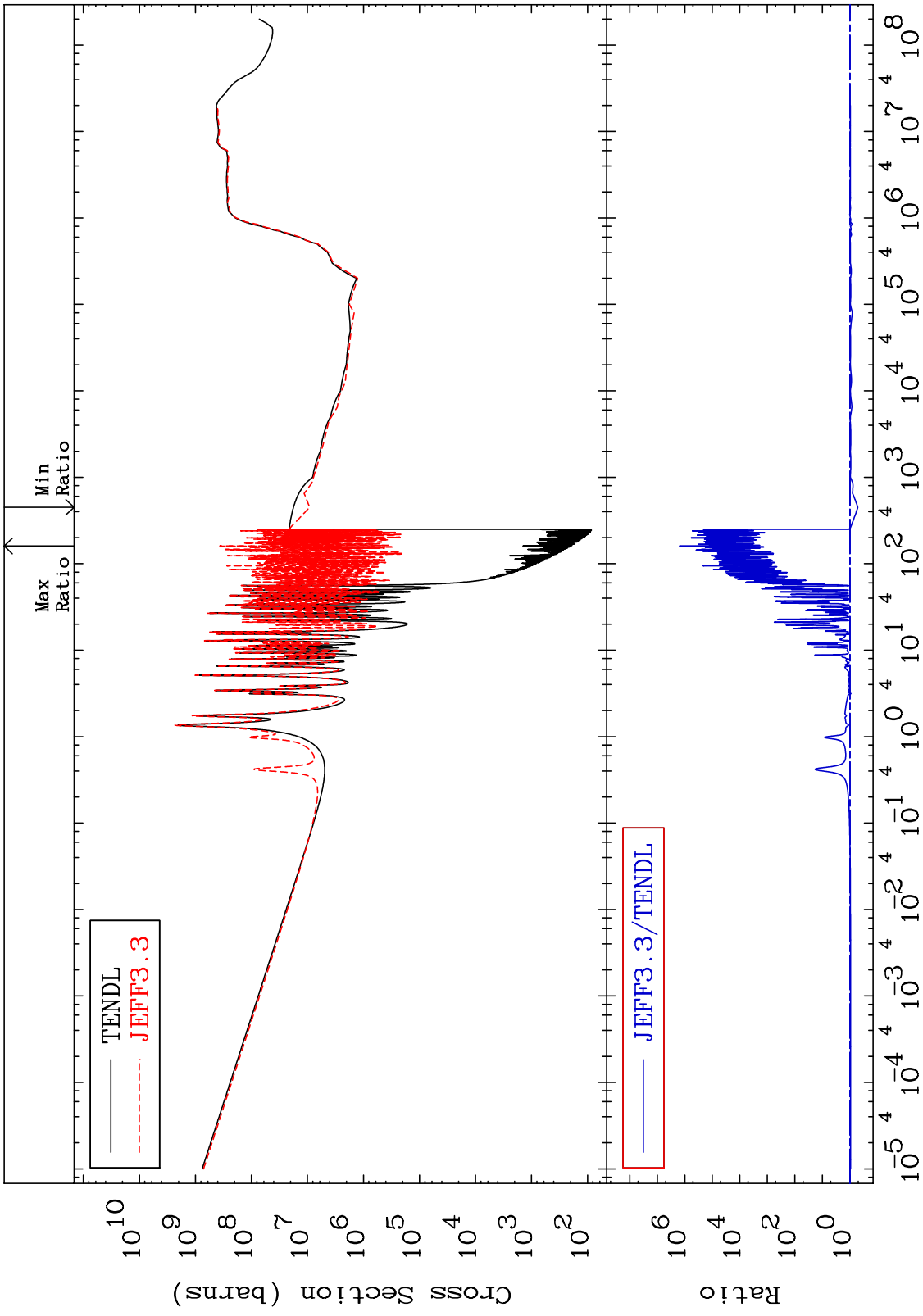
MAT 9549

(n, γ)
Cross Section

95-Am-243
-97.70 To 4348. %



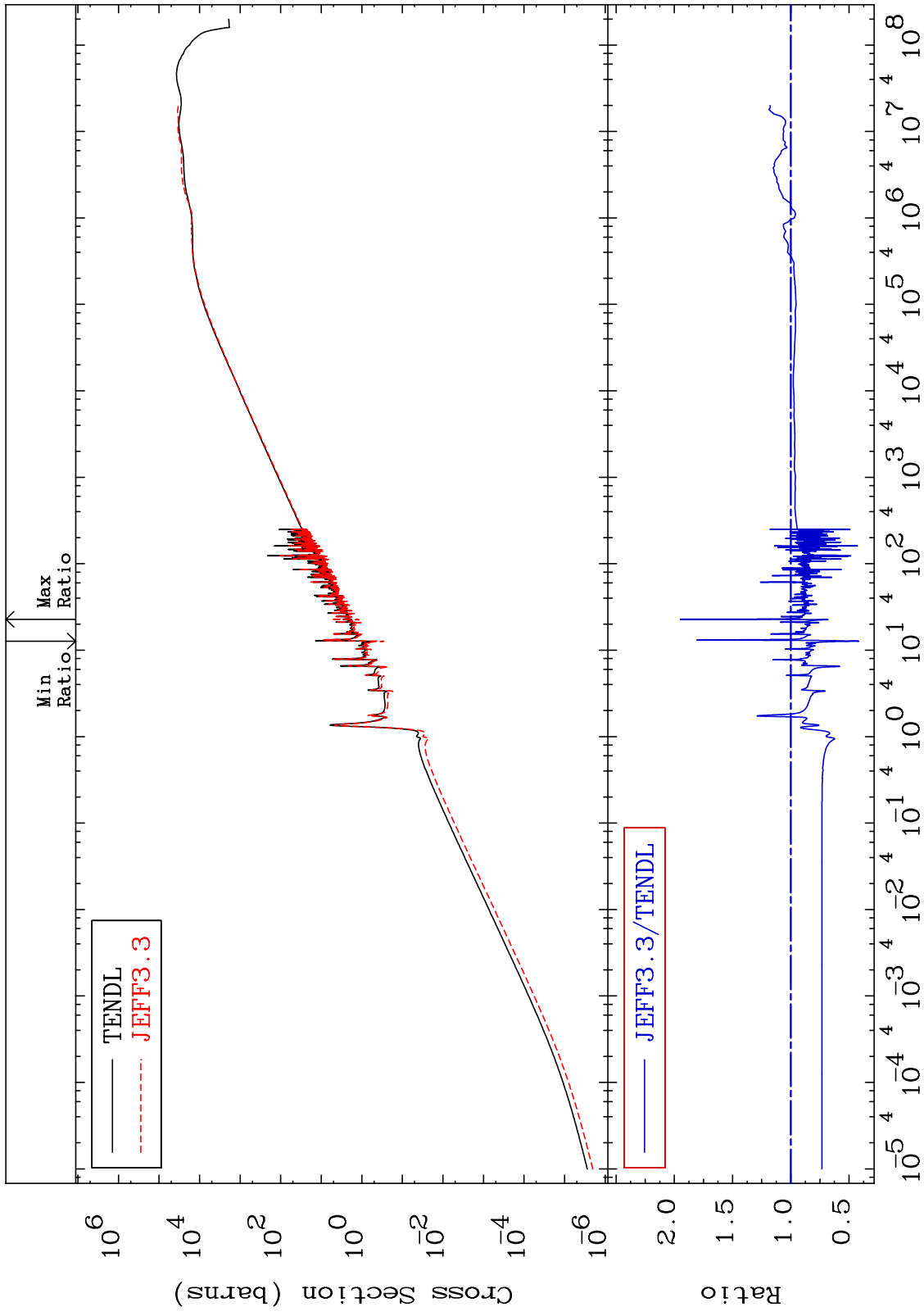
MAT 9549 Kerma total (eV-barns) 95-Am-243
 Cross Section -48.59 To 9999. %



MAT 9549

Kerma elastic
Cross Section

95-Am-243
-58.46 To 94.93 %



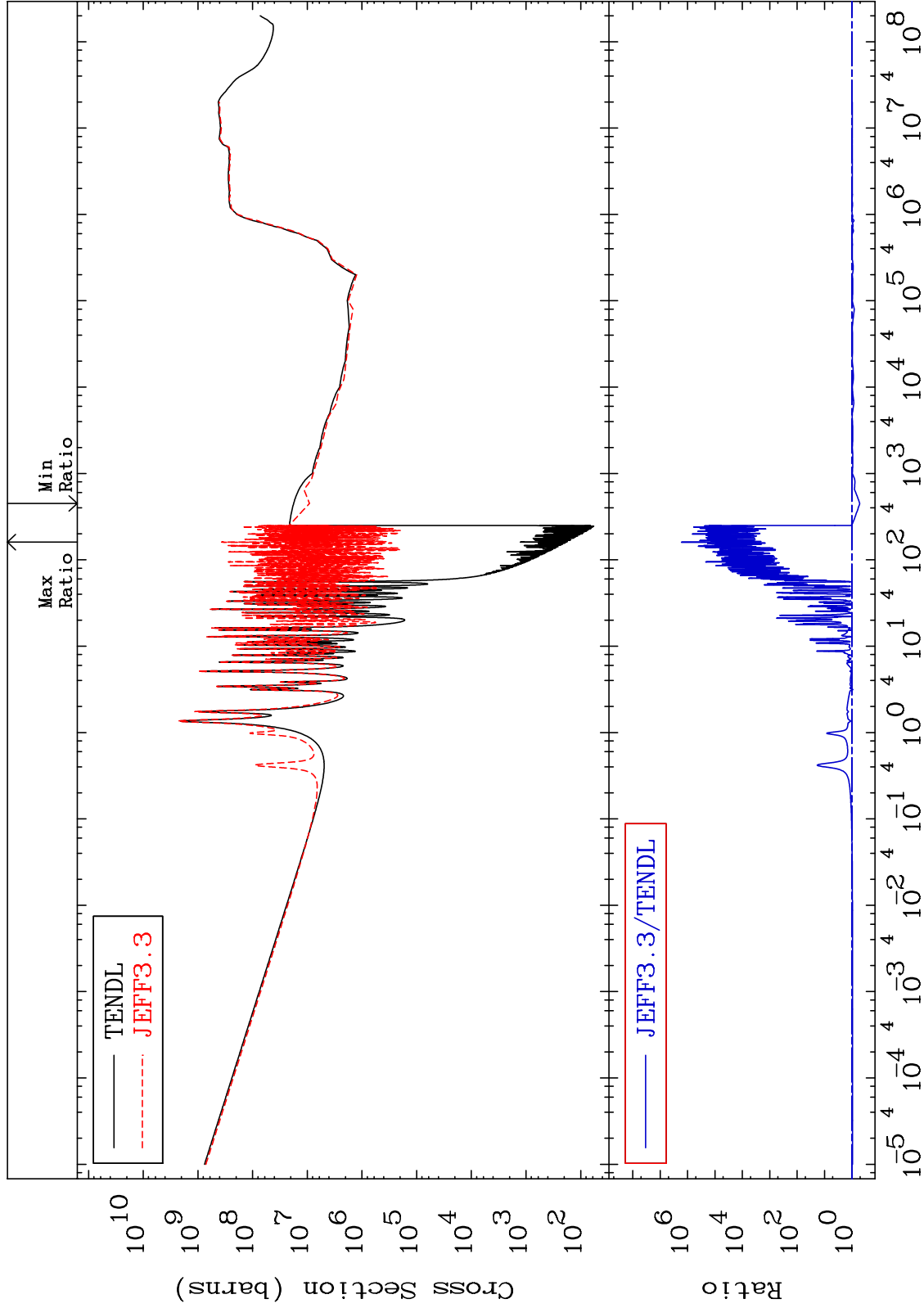
MAT 9549

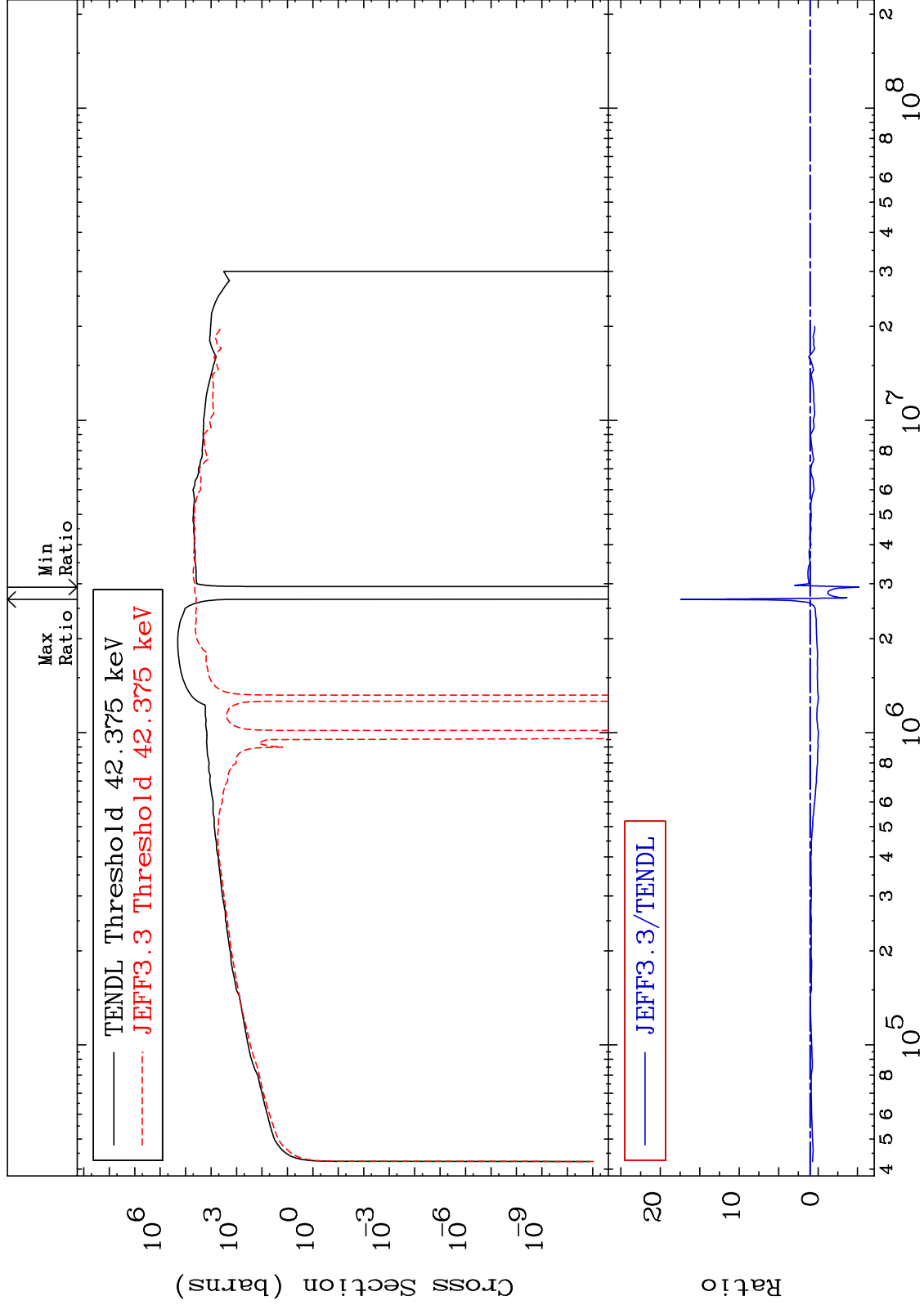
Kerma non-elastic (all but mt2)

95-Am-243

-48.59 To 9999. %

Cross Section

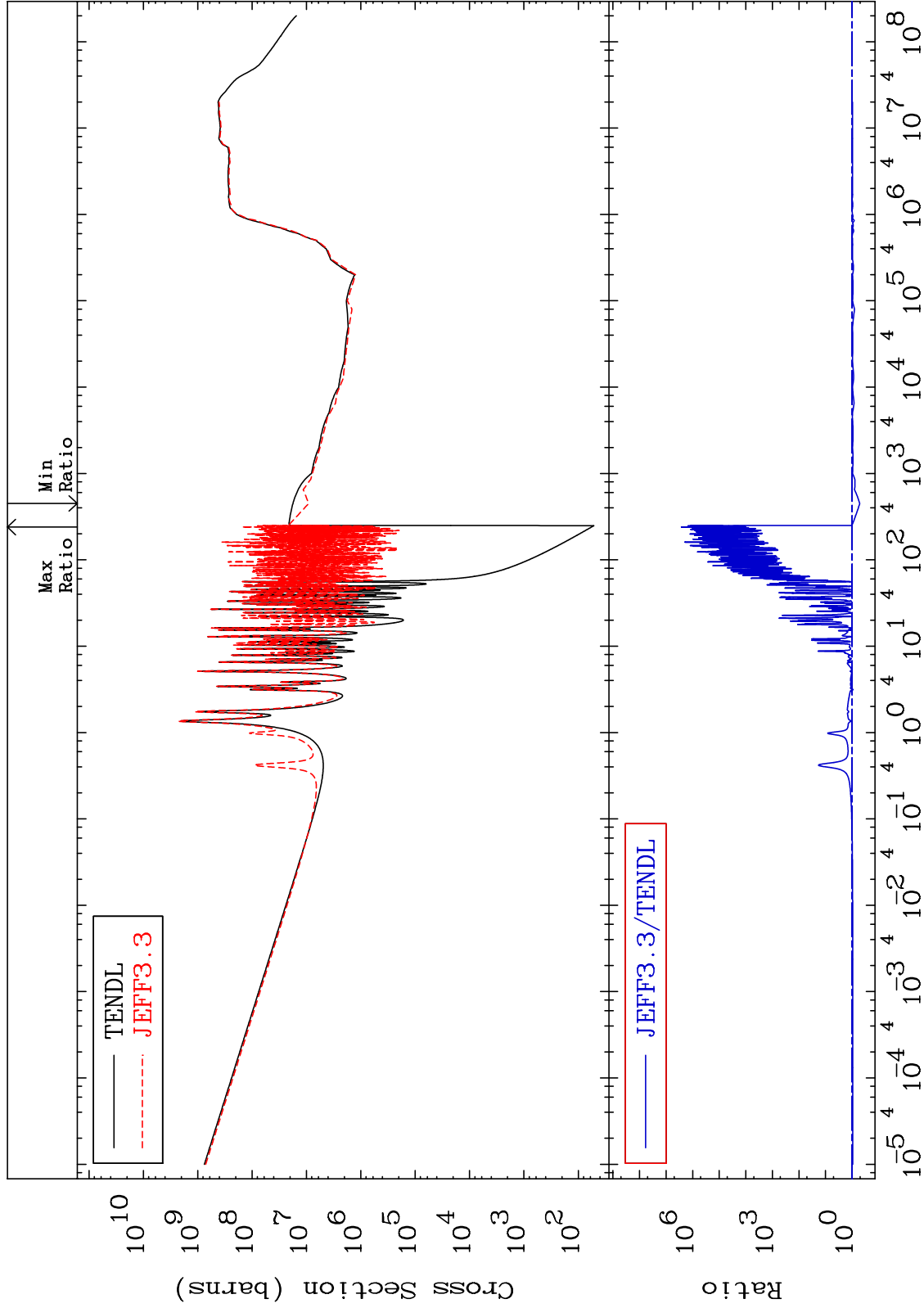




MAT 9549

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

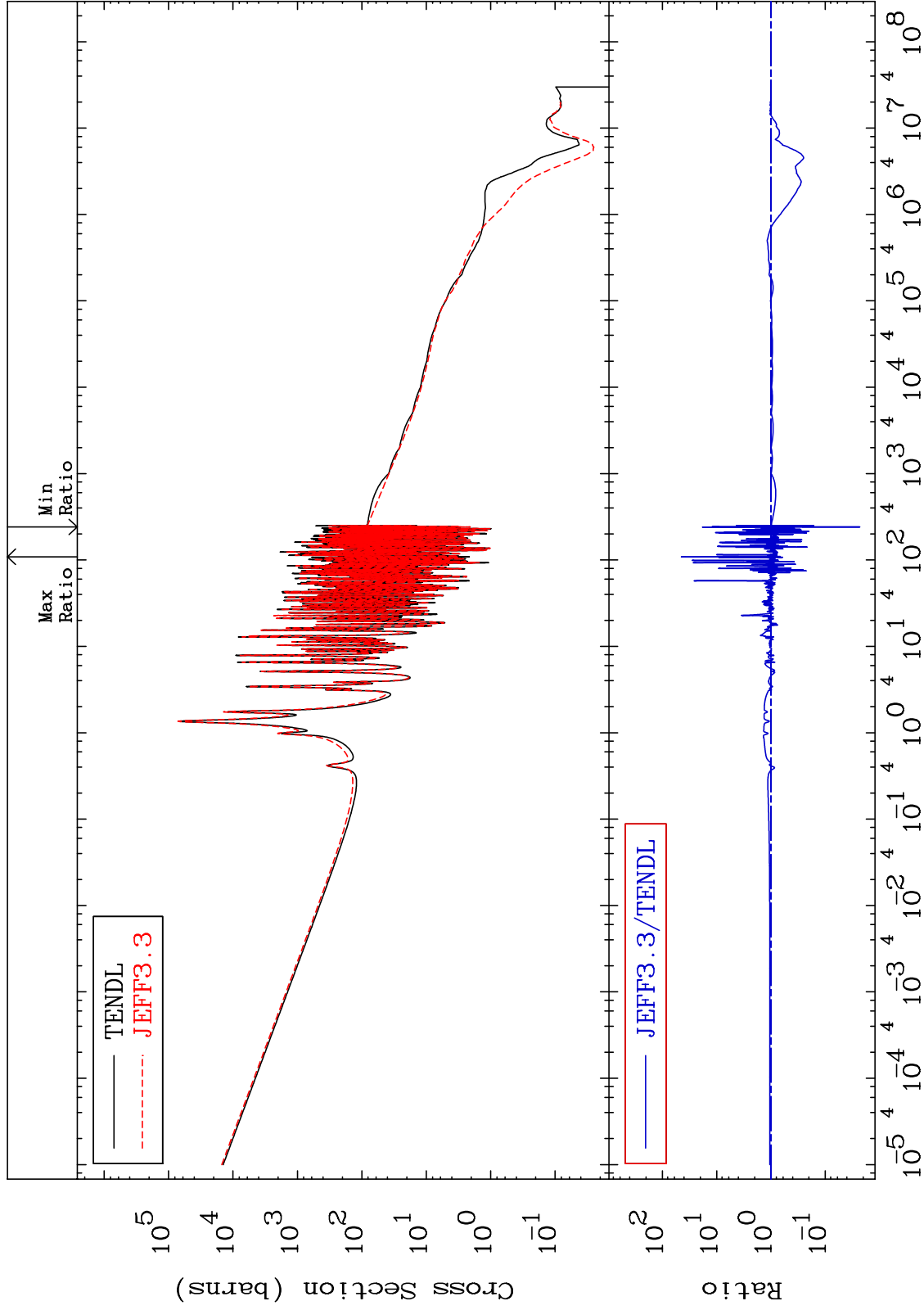
95-Am-243
-48.59 To 9999. %



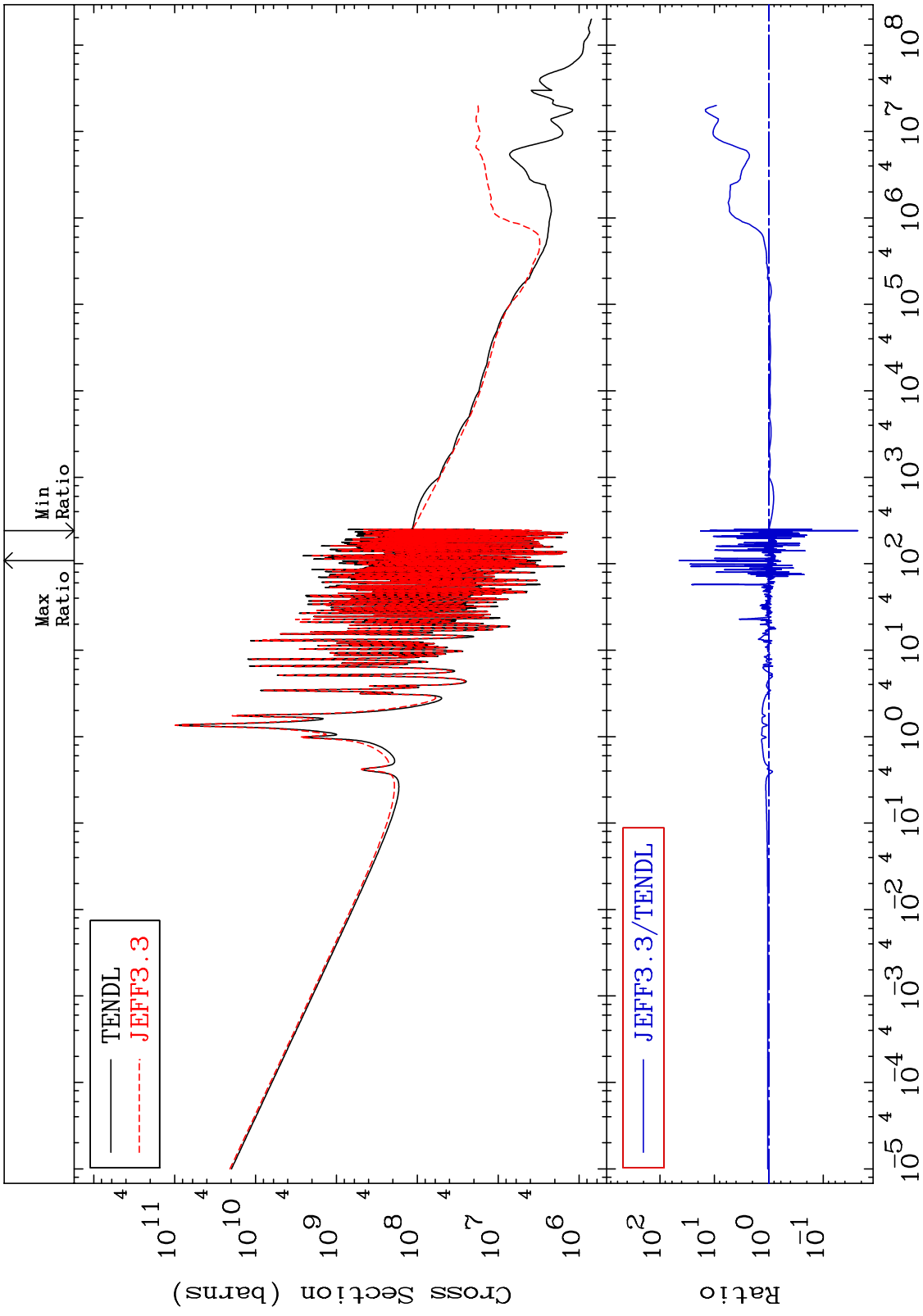
MAT 9549

Kerma capture (mt102)
Cross Section

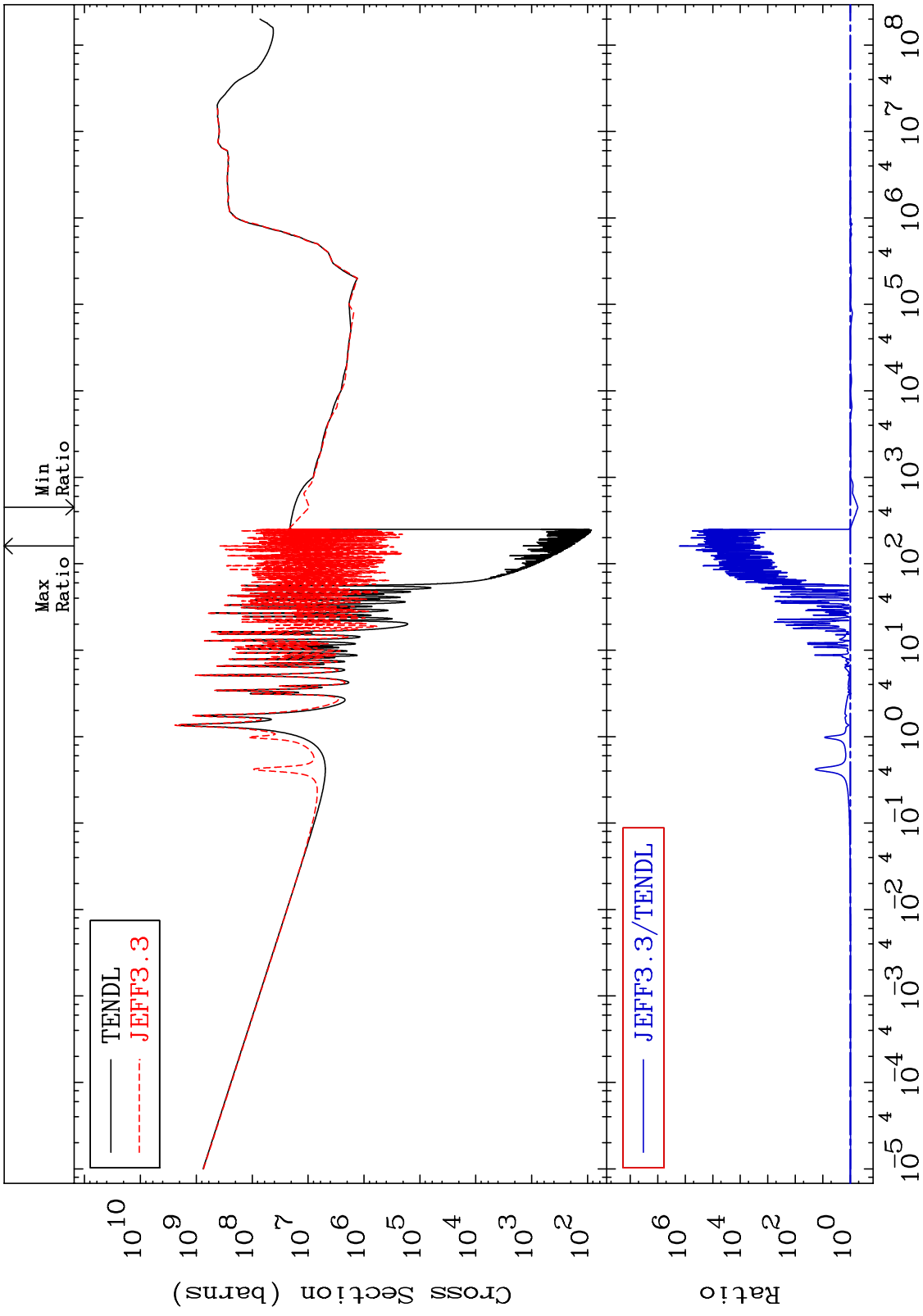
95-Am-243
-97.68 To 4385. %



MAT 9549 95-Am-243
 Total photon (eV-barns) -97.68 To 4355. %
 Cross Section



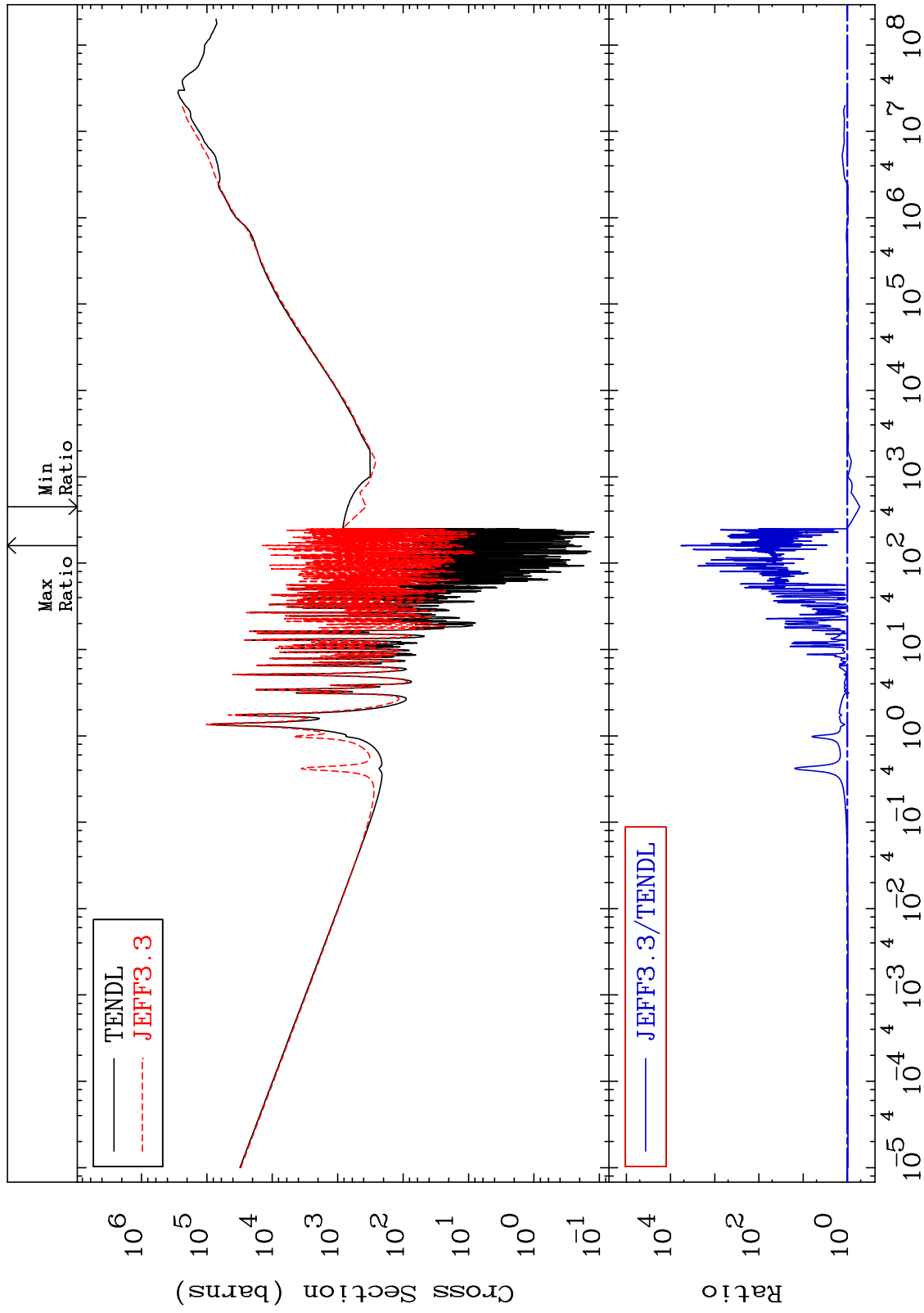
MAT 9549 Total kinematic kerma (high limit) 95-Am-243
 Cross Section -46.56 To 9999. %



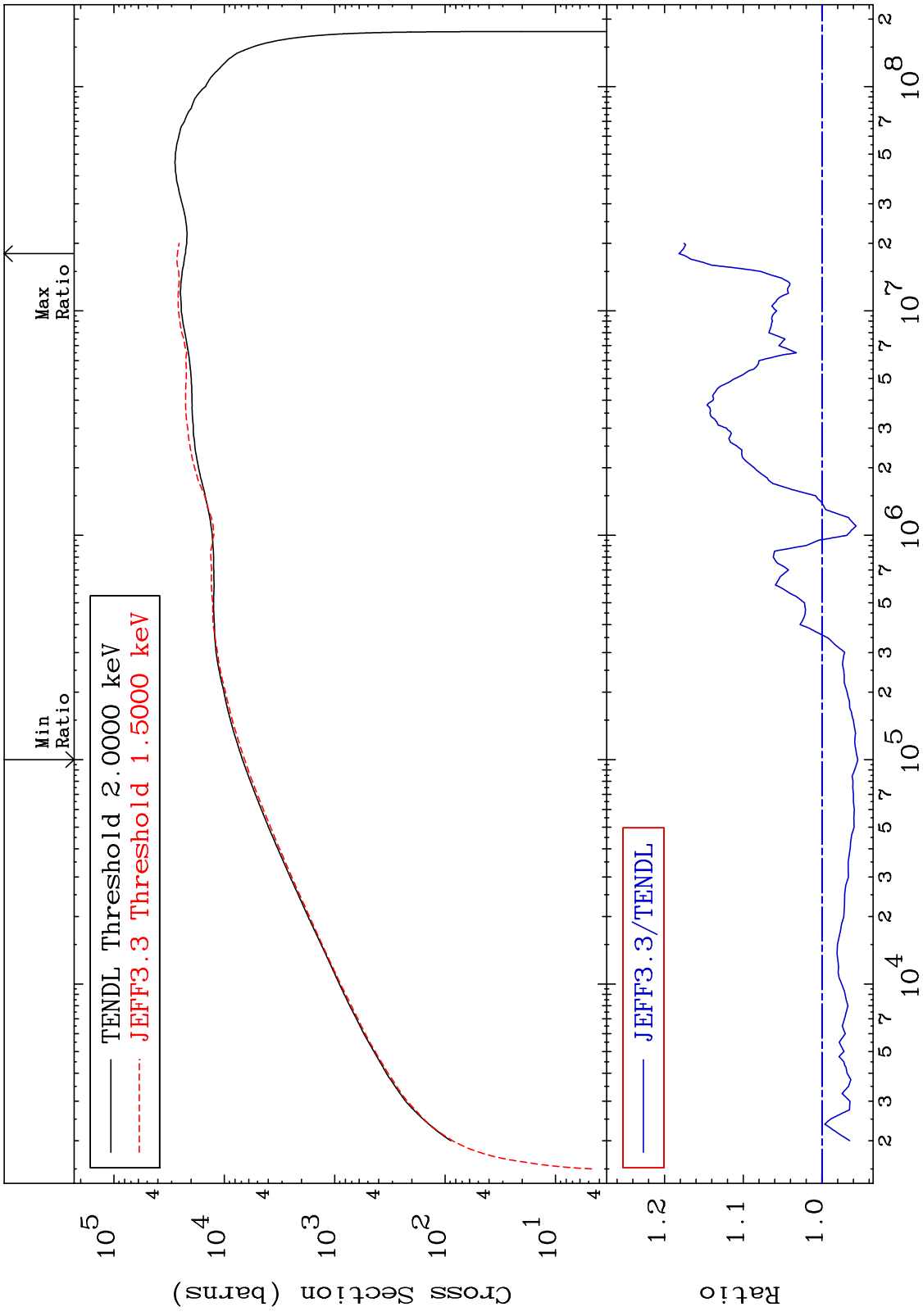
MAT 9549

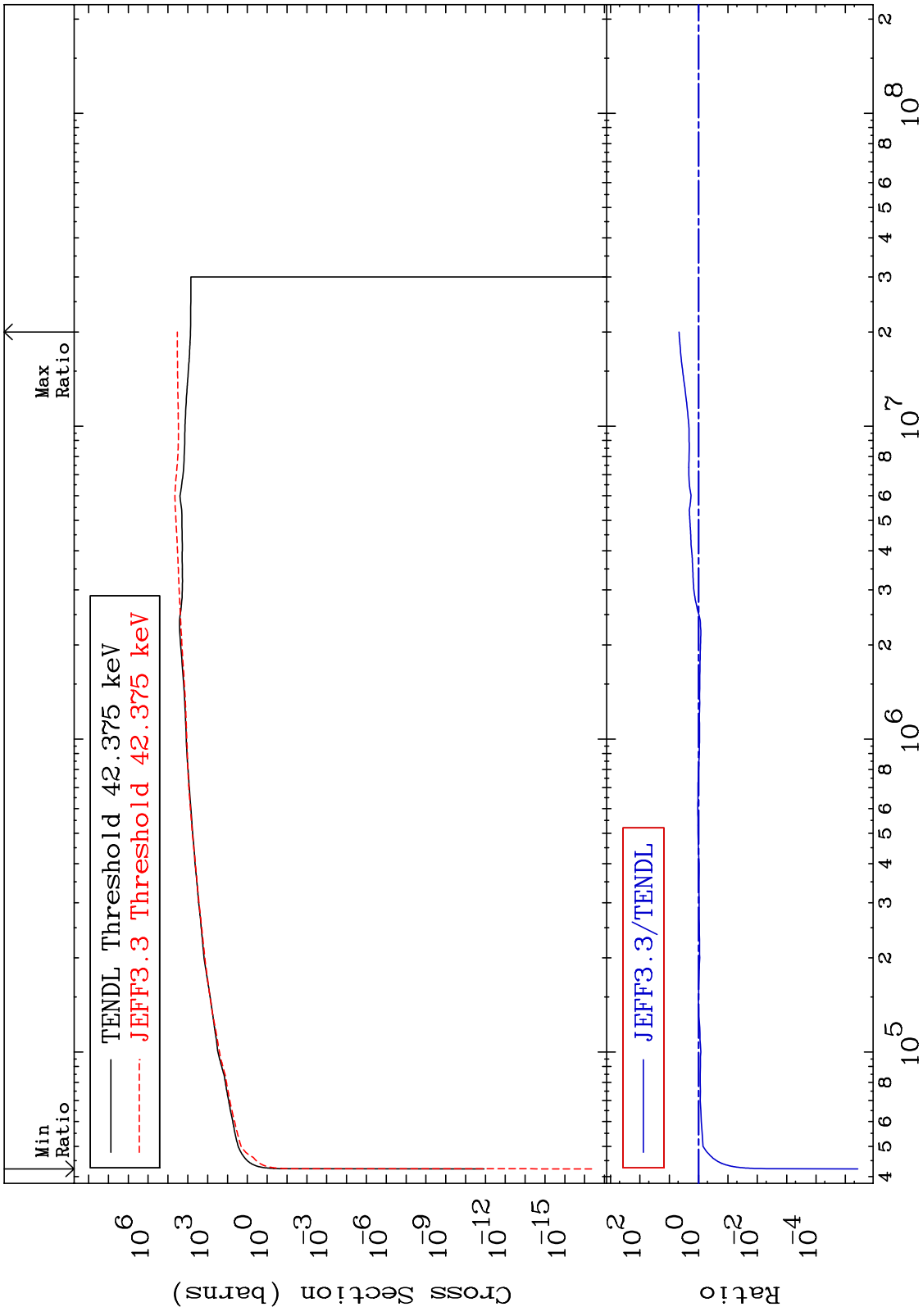
Dpa total (eV-barns)
Cross Section

95-Am-243
-47.53 To 9999. %

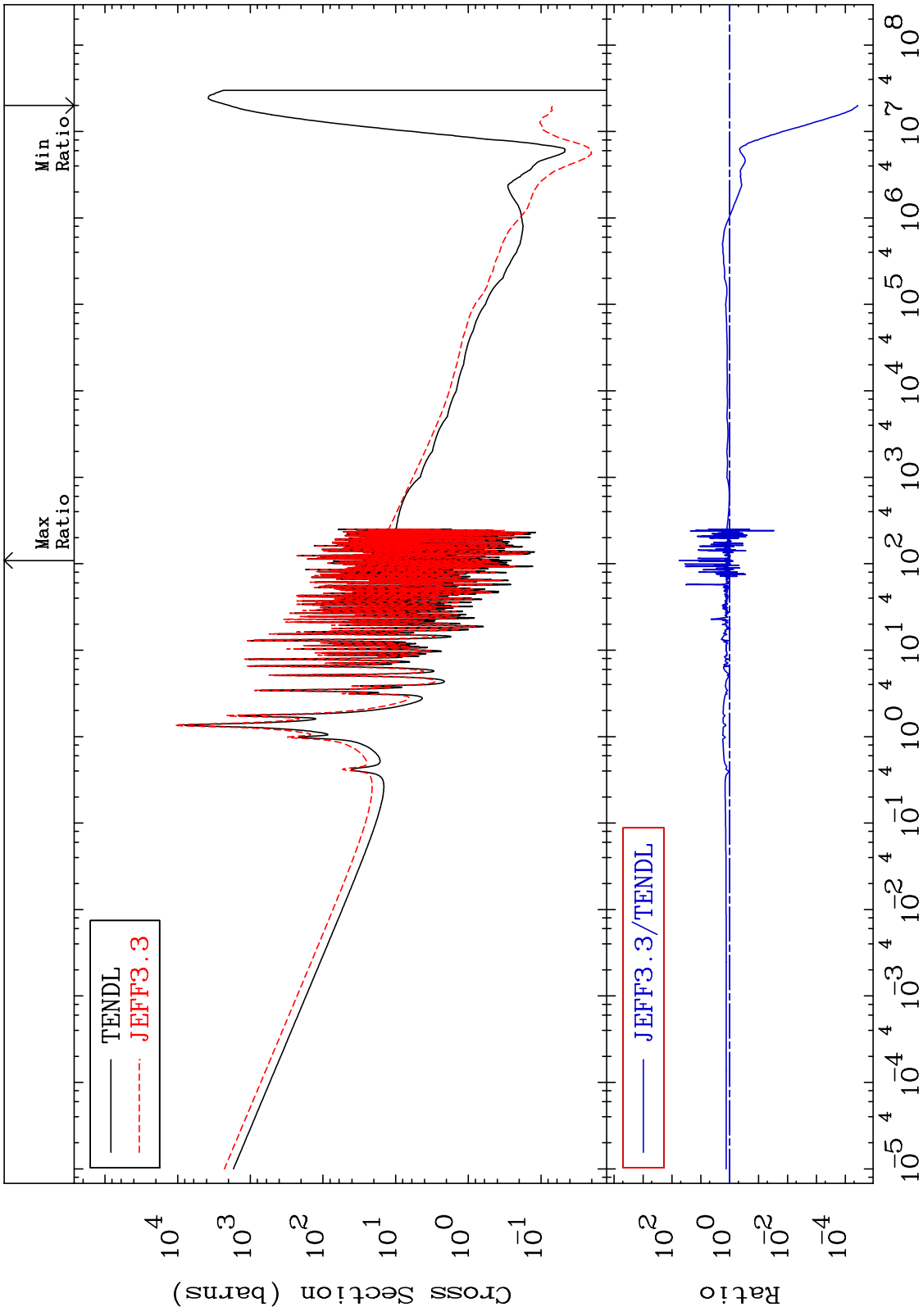


MAT 9549 95-Am-243
 Dpa elastic (mt2) -4.552 To 18.15 %
 Cross Section





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. %

