

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

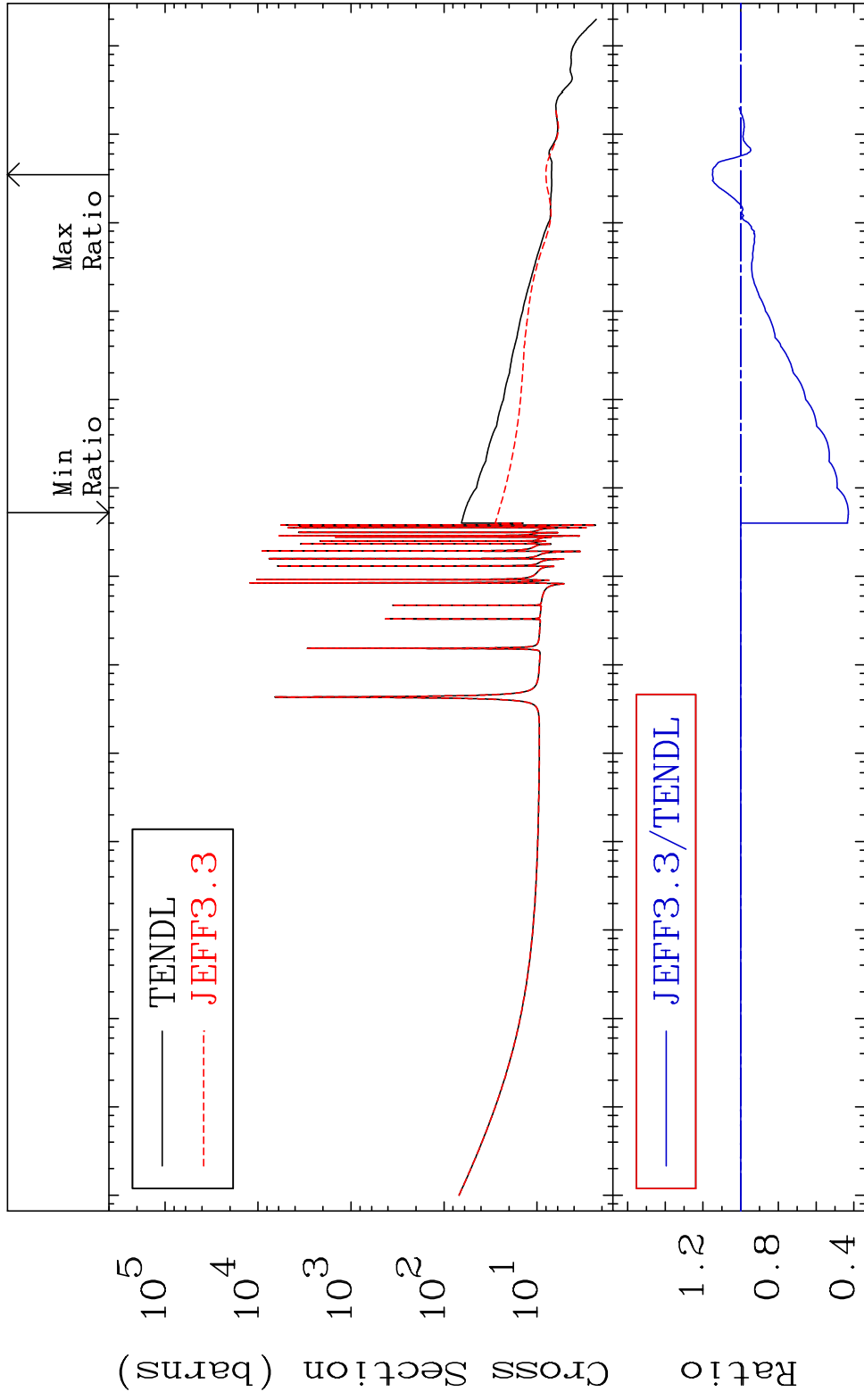
Press Mouse Button to Start

MAT 9643

Total

96-Cm-246

Cross Section -57.07 To 15.02 %



1

Incident Energy (eV)

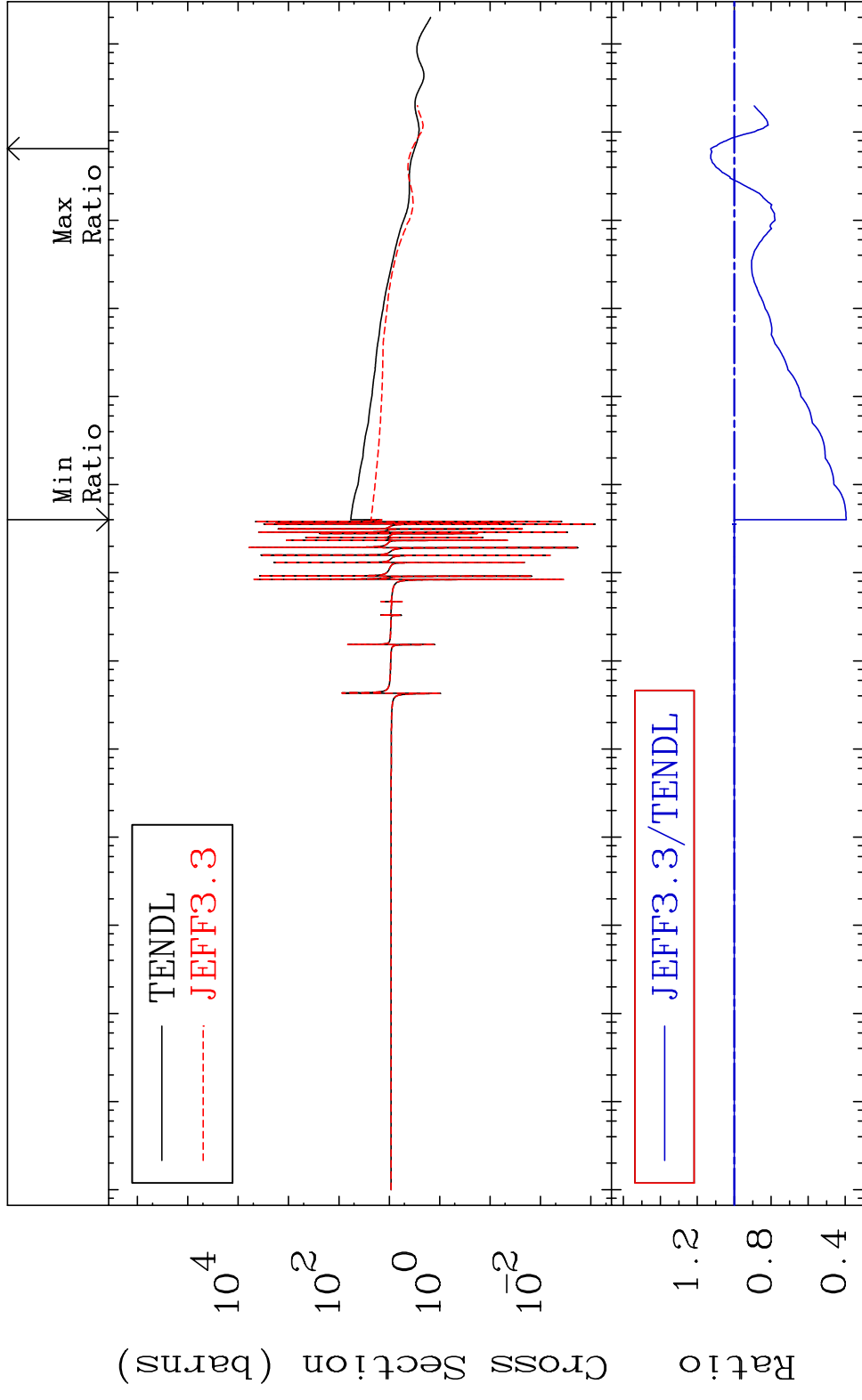
96-Cm-246

MAT 9643

Elastic

96-Cm-246

Cross Section -60.66 To 12.73 %



2

Incident Energy (eV)

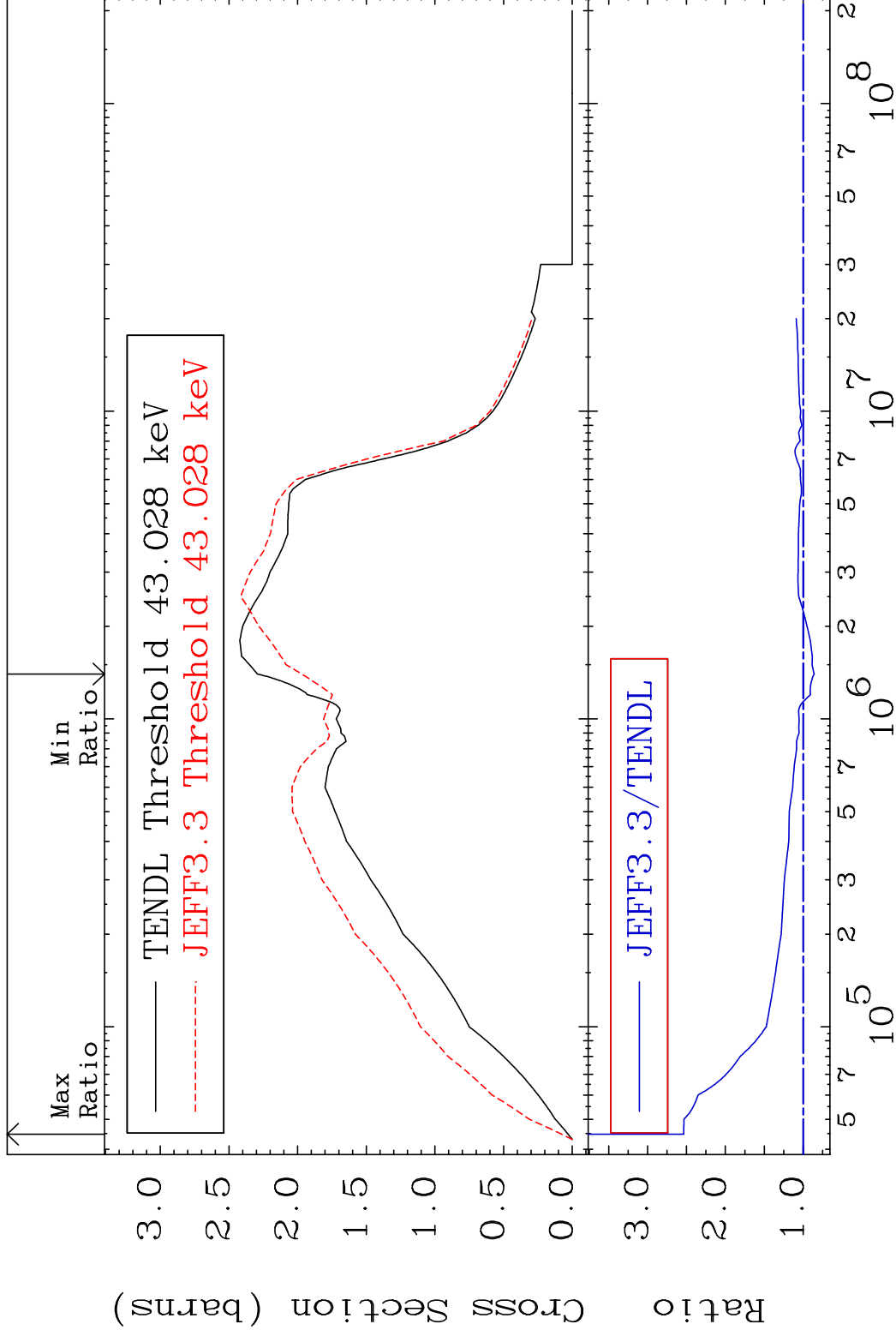
96-Cm-246

MAT 9643

Inelastic

96-Cm-246

Cross Section -14.07 To 153.6 %



3

Incident Energy (eV)

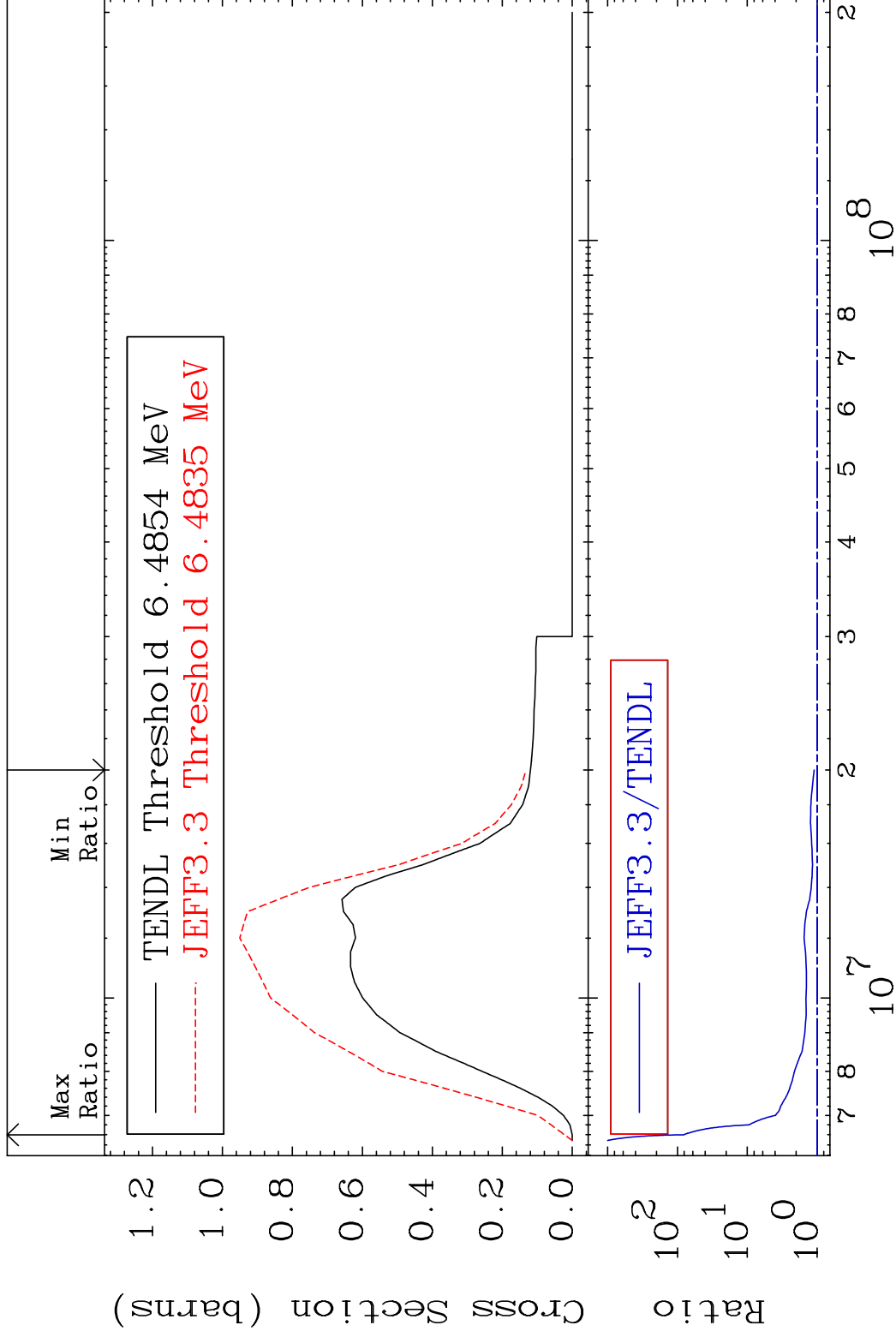
96-Cm-246

MAT 9643

(n,2n)

96-Cm-246

Cross Section 10.26 To 8040. %



4

Incident Energy (eV)

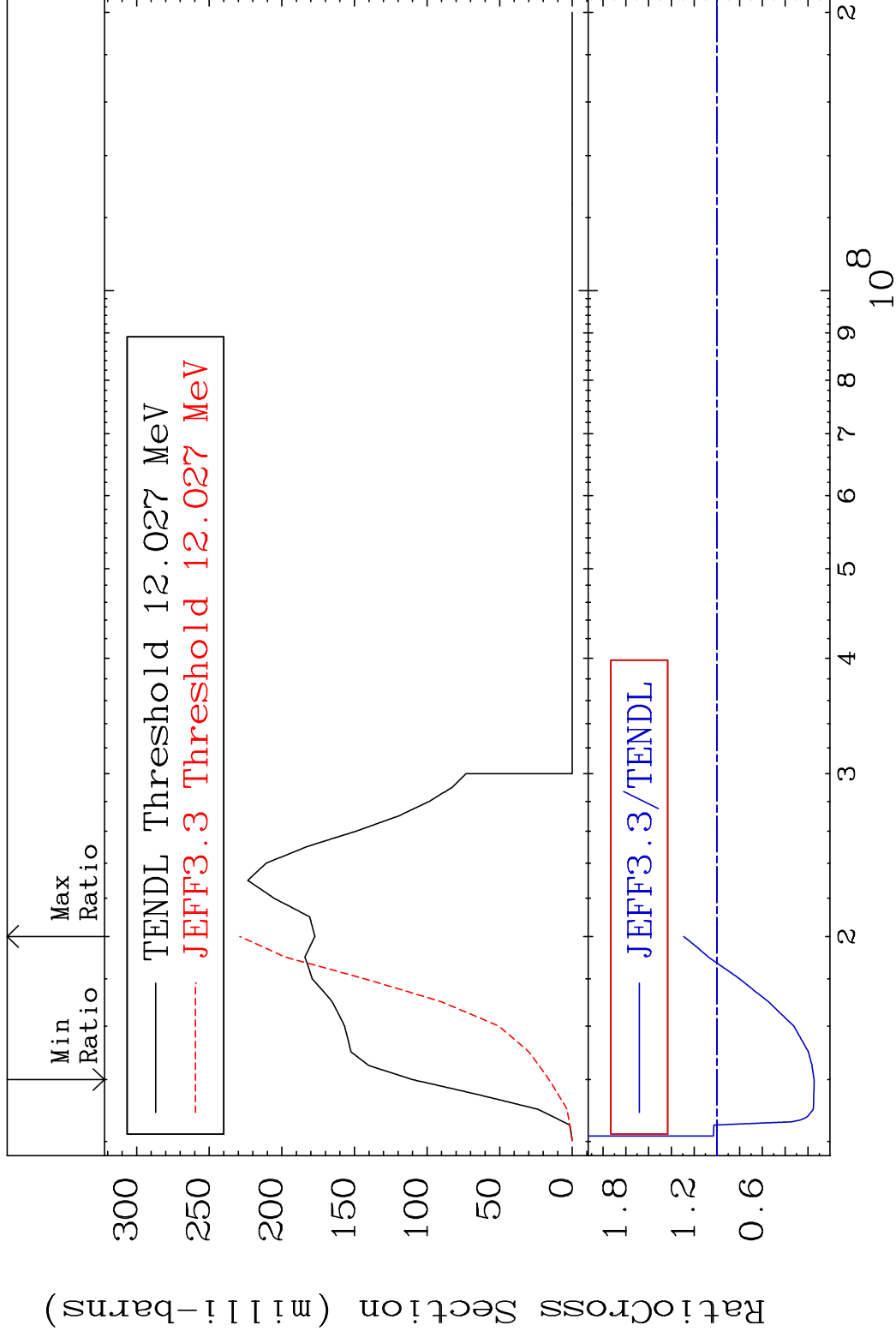
96-Cm-246

MAT 9643

(n,3n)

96-Cm-246

Cross Section -85.43 To 29.17 %



5

Incident Energy (eV)

96-Cm-246

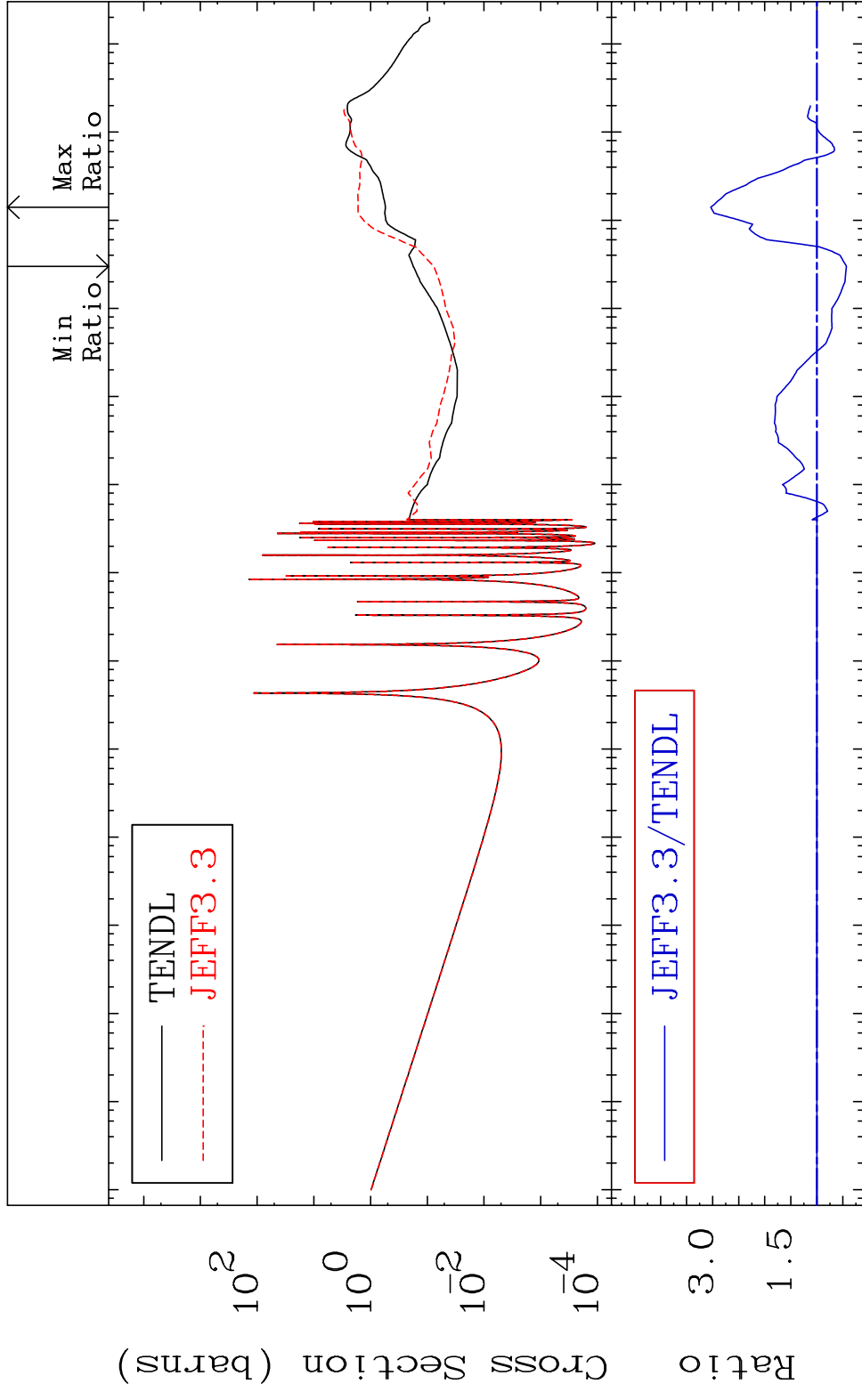
MAT 9643

Fission

96-Cm-246

Cross Section

-56.59 To 203.8 %



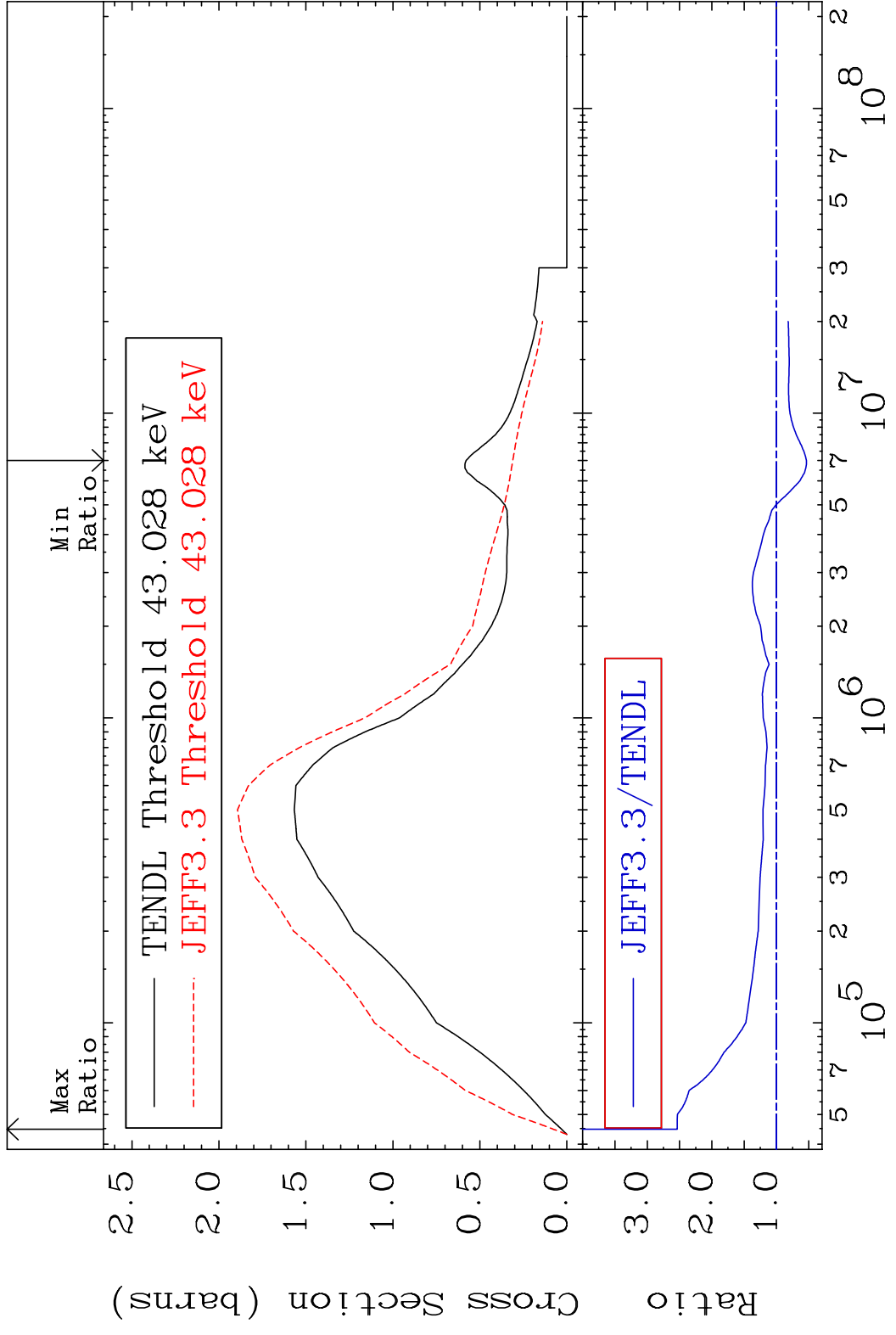
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

6

Incident Energy (eV)

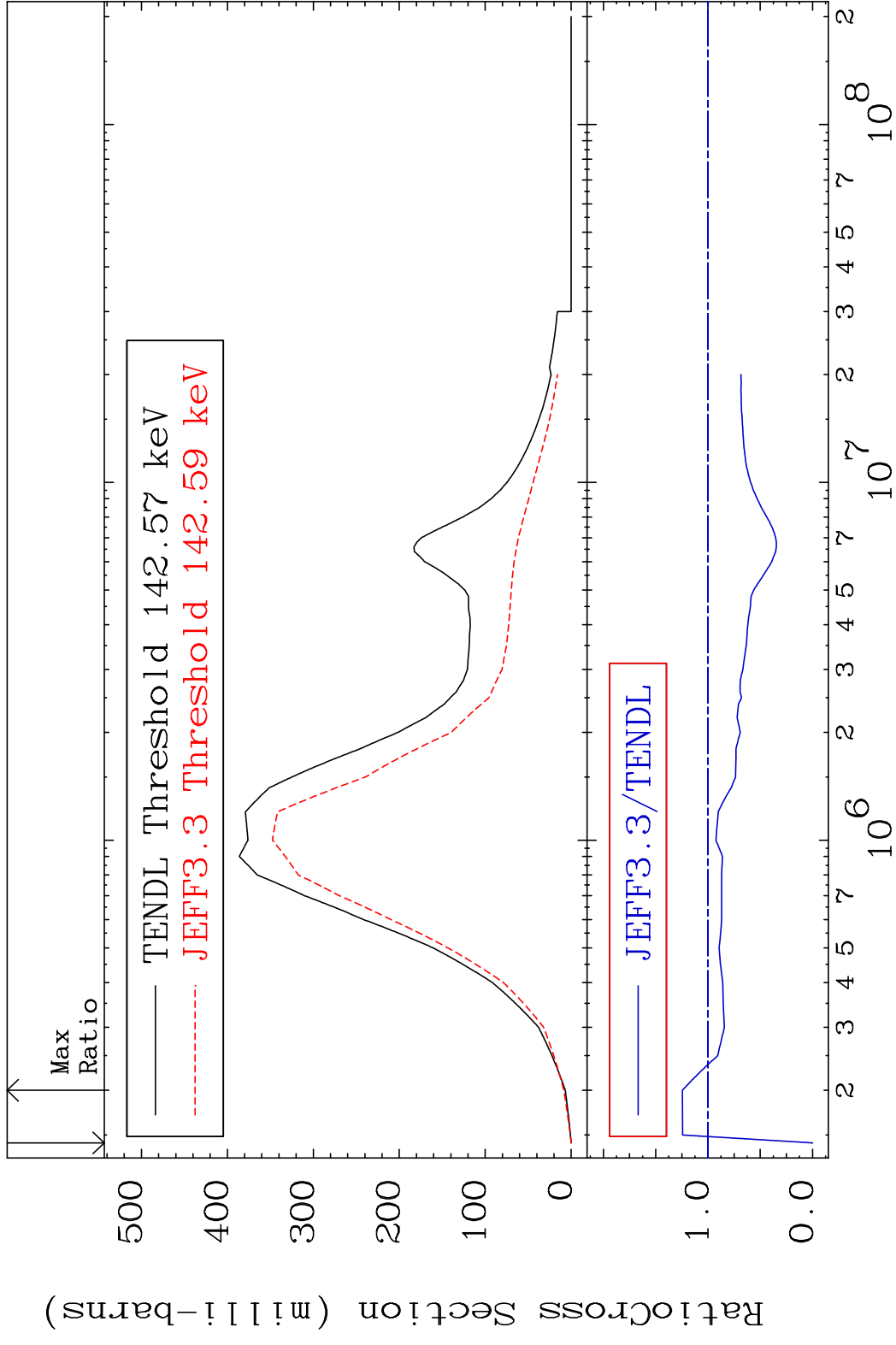
96-Cm-246

MAT 9643 MT= 51 (n, n') Level 96-Cm-246
 Cross Section -46.41 To 153.6 %

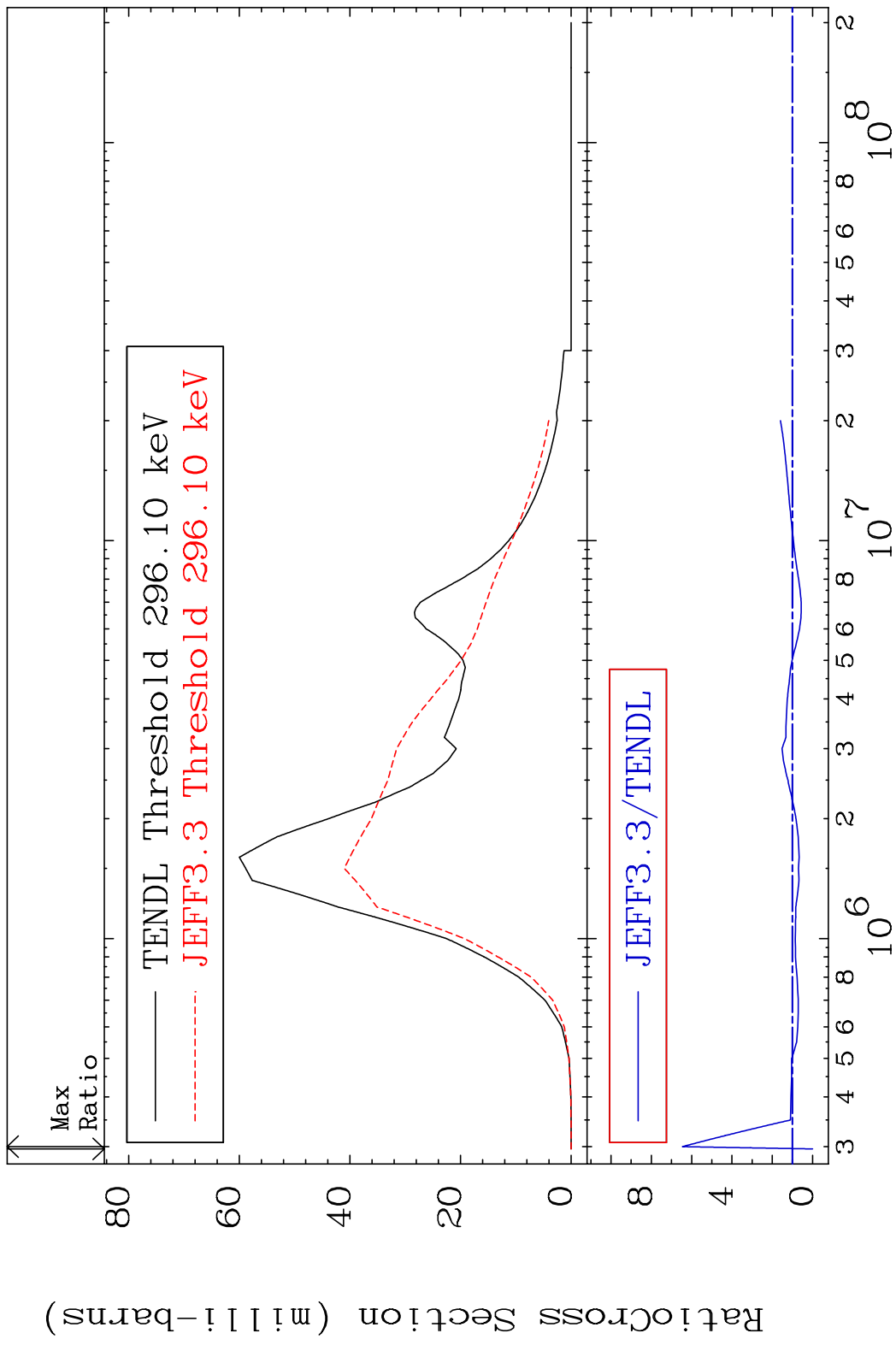


7 96-Cm-246

MAT 9643 MT= 52 (n, n') Level 96-Cm-246
 Cross Section -100.0 To 24.49 %

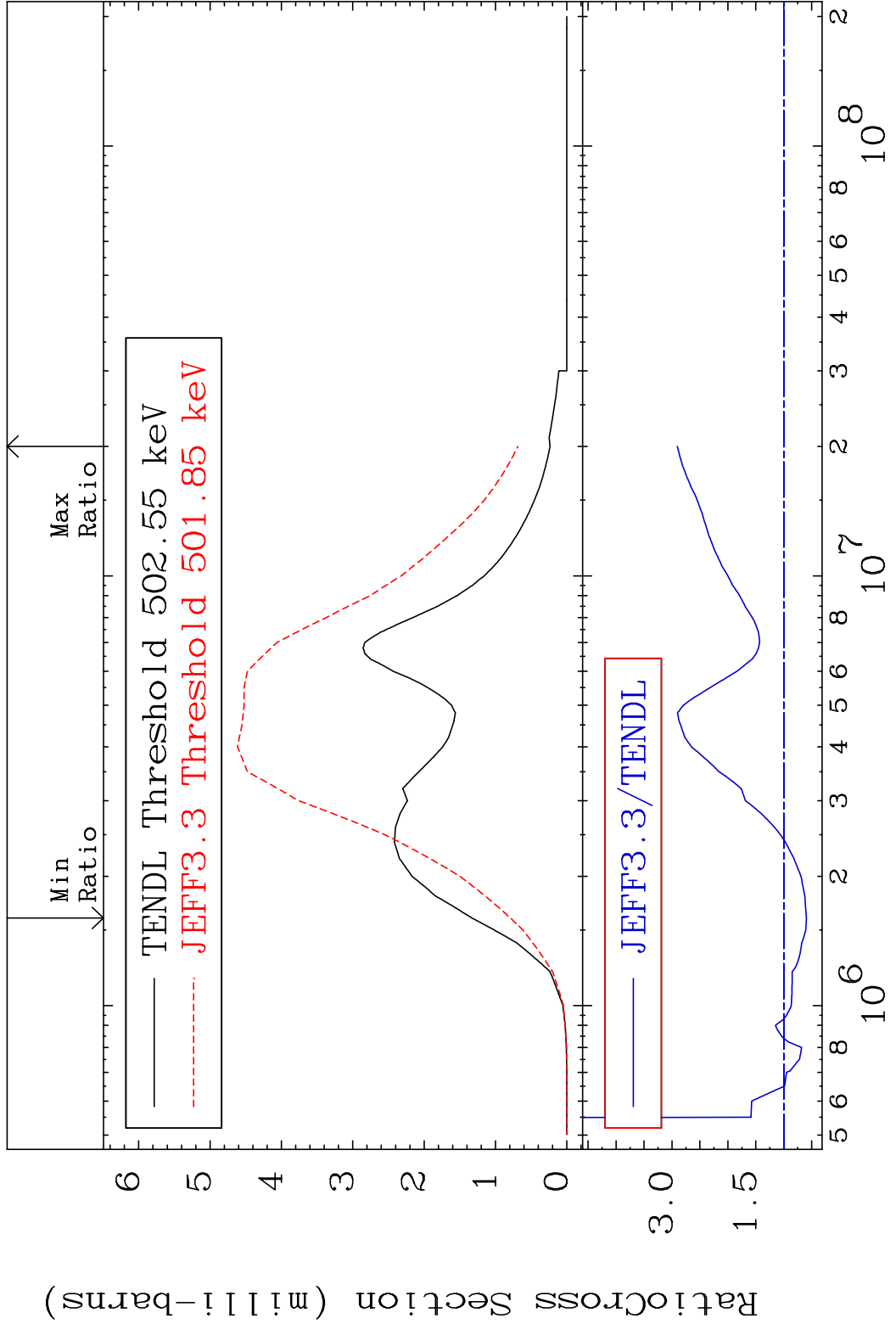


MAT 9643 MT= 53 (n,n') Level 96-Cm-246
 Cross Section -100.0 To 546.1 %



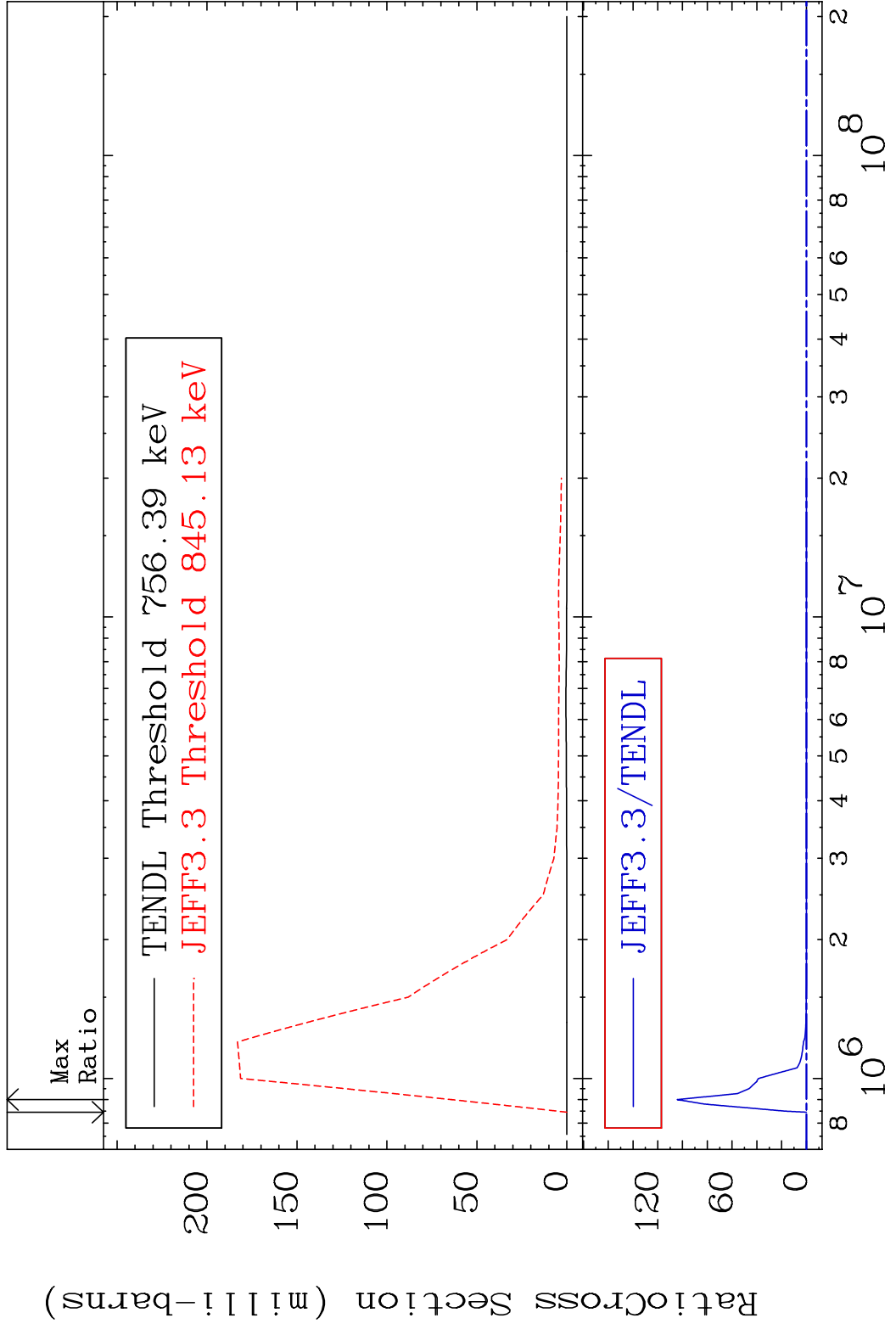
9 96-Cm-246

MAT 9643 MT= 54 (n, n') Level 96-Cm-246
 Cross Section -40.52 To 190.7 %

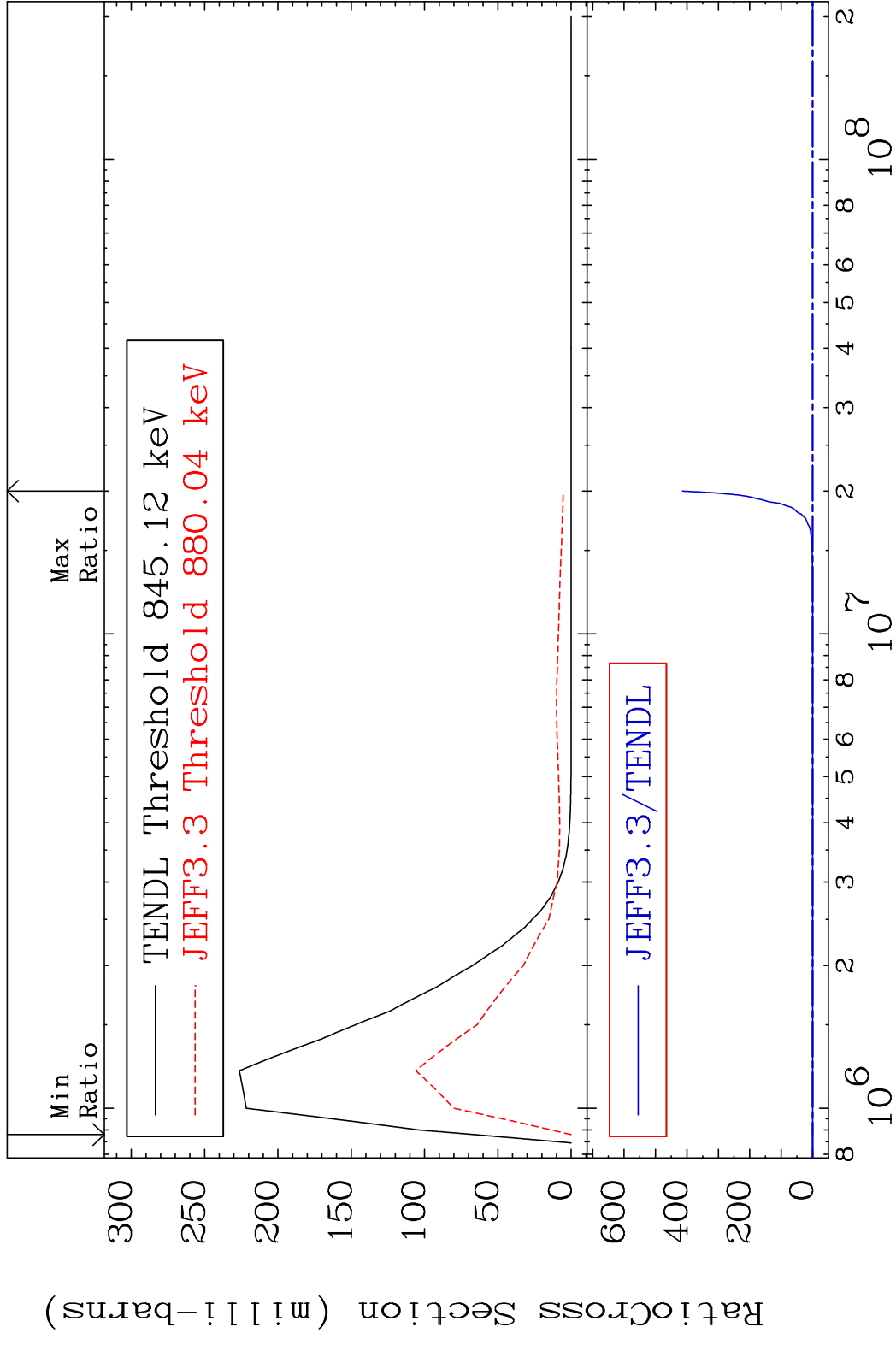


10 Incident Energy (eV) 96-Cm-246

MAT 9643 MT= 55 (n, n') Level 96-Cm-246
 Cross Section -100.0 To 9999. %

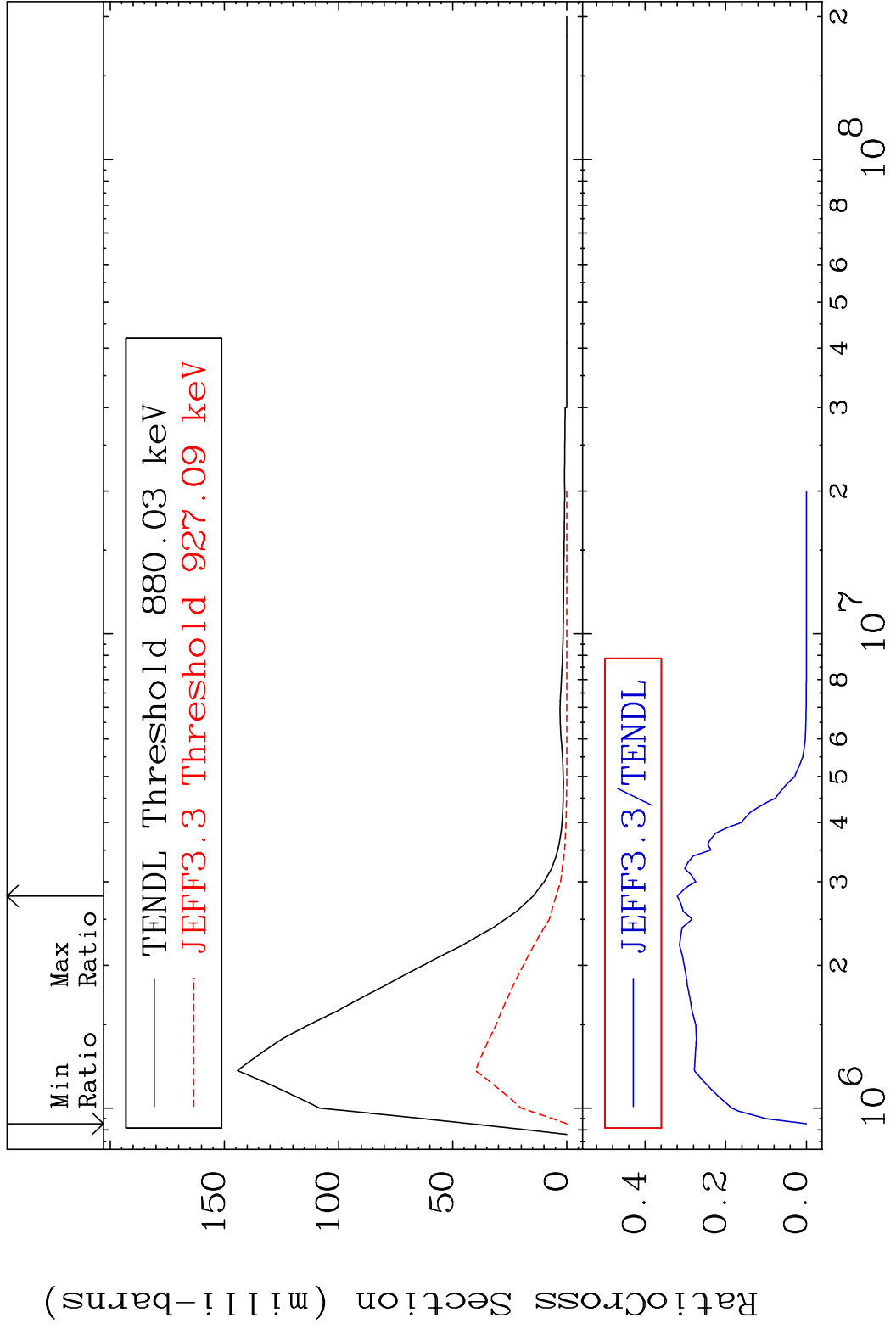


MAT 9643 MT= 56 (n, n') Level 96-Cm-246
 Cross Section -100.0 To 9999. %

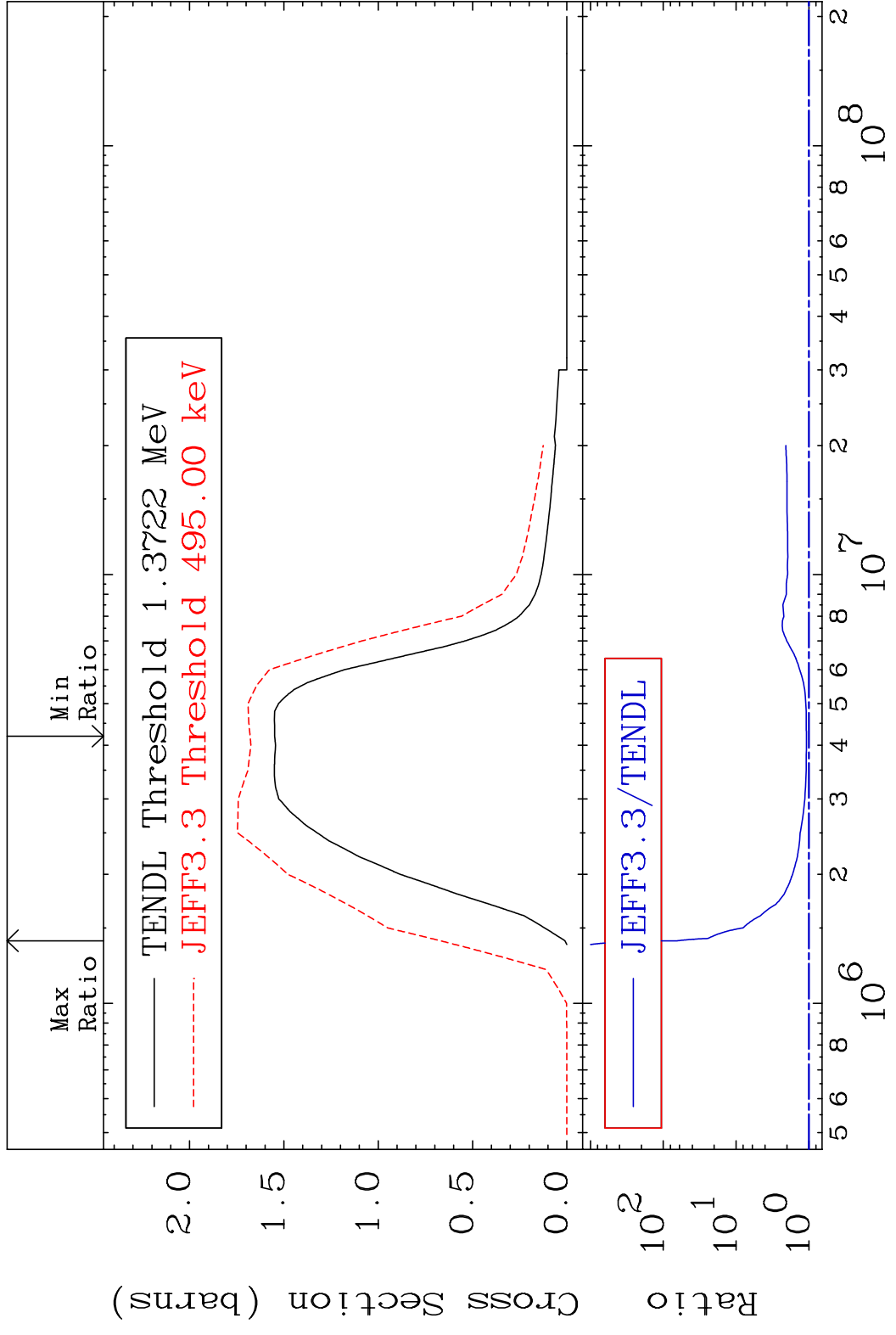


12 Incident Energy (eV) 96-Cm-246

MAT 9643 MT= 57 (n,n') Level 96-Cm-246
 Cross Section -100.0 To -67.97%



MAT 9643 (n, n') Continuum 96-Cm-246
 Cross Section 8.355 To 6346. %

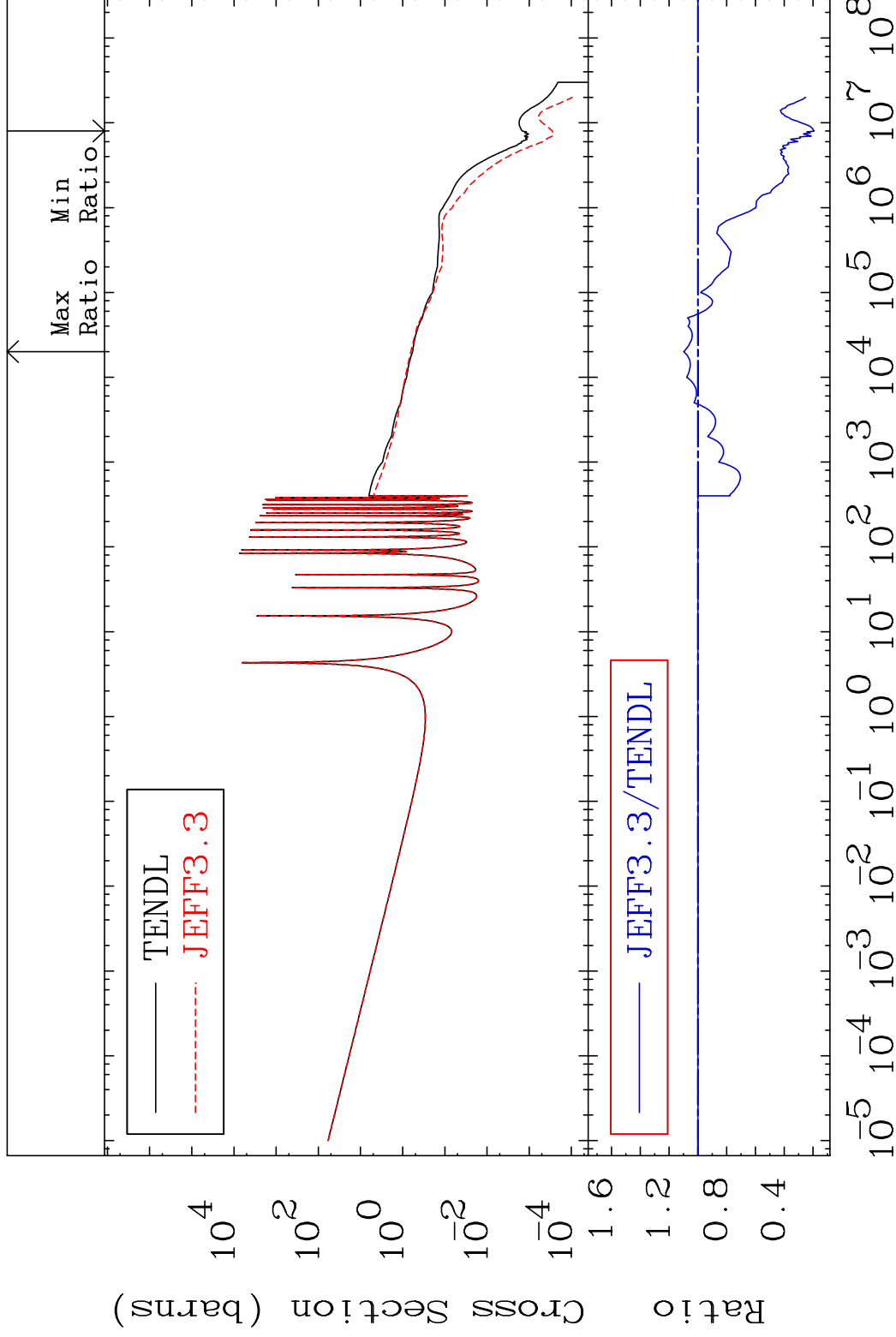


MAT 9643

(n, γ)

96-Cm-246

Cross Section -80.71 To 9.891 %



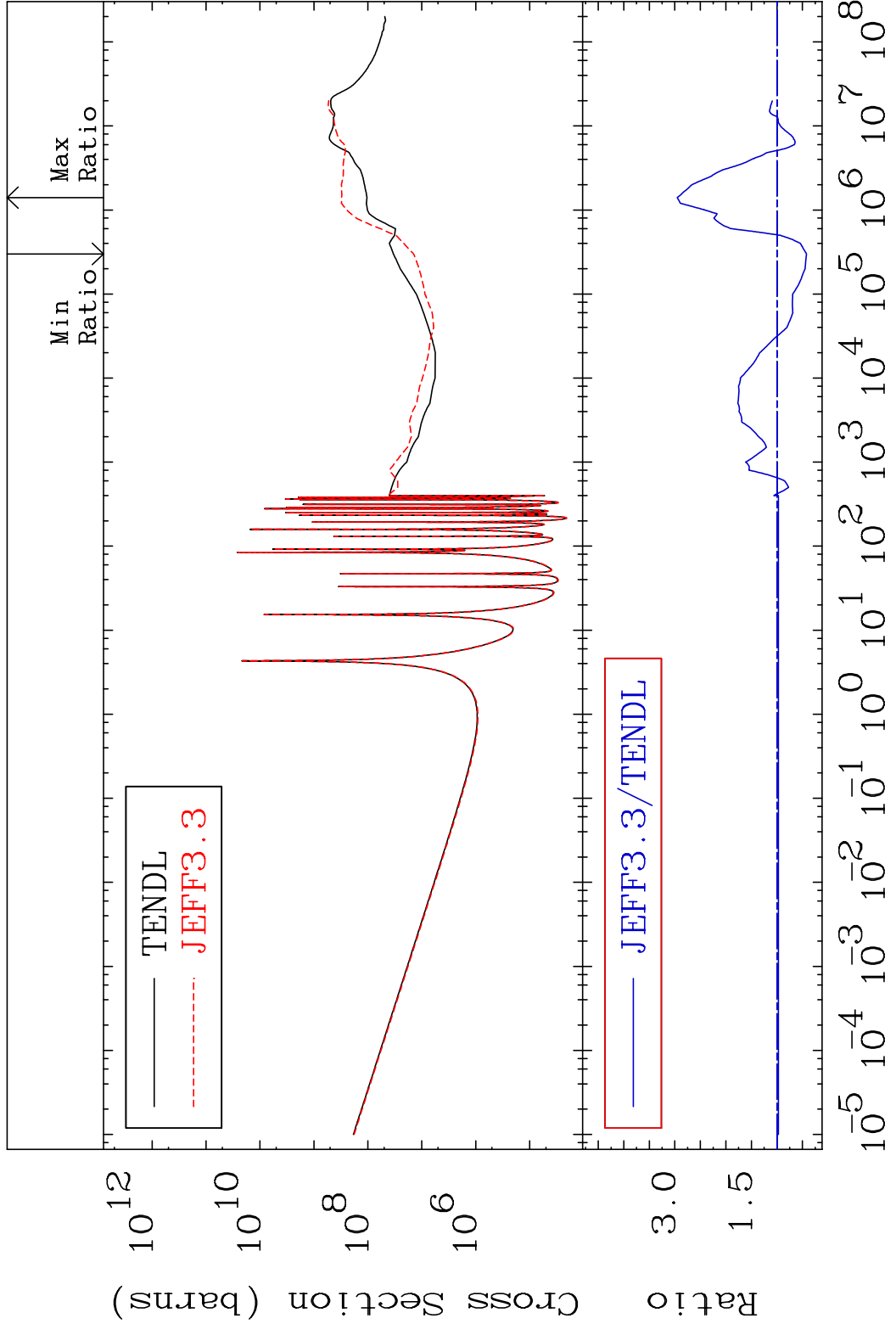
15

Incident Energy (eV)

96-Cm-246

MAT 9643

Kerma total (eV-barns) 96-Cm-246
Cross Section -57.75 To 195.4 %



16

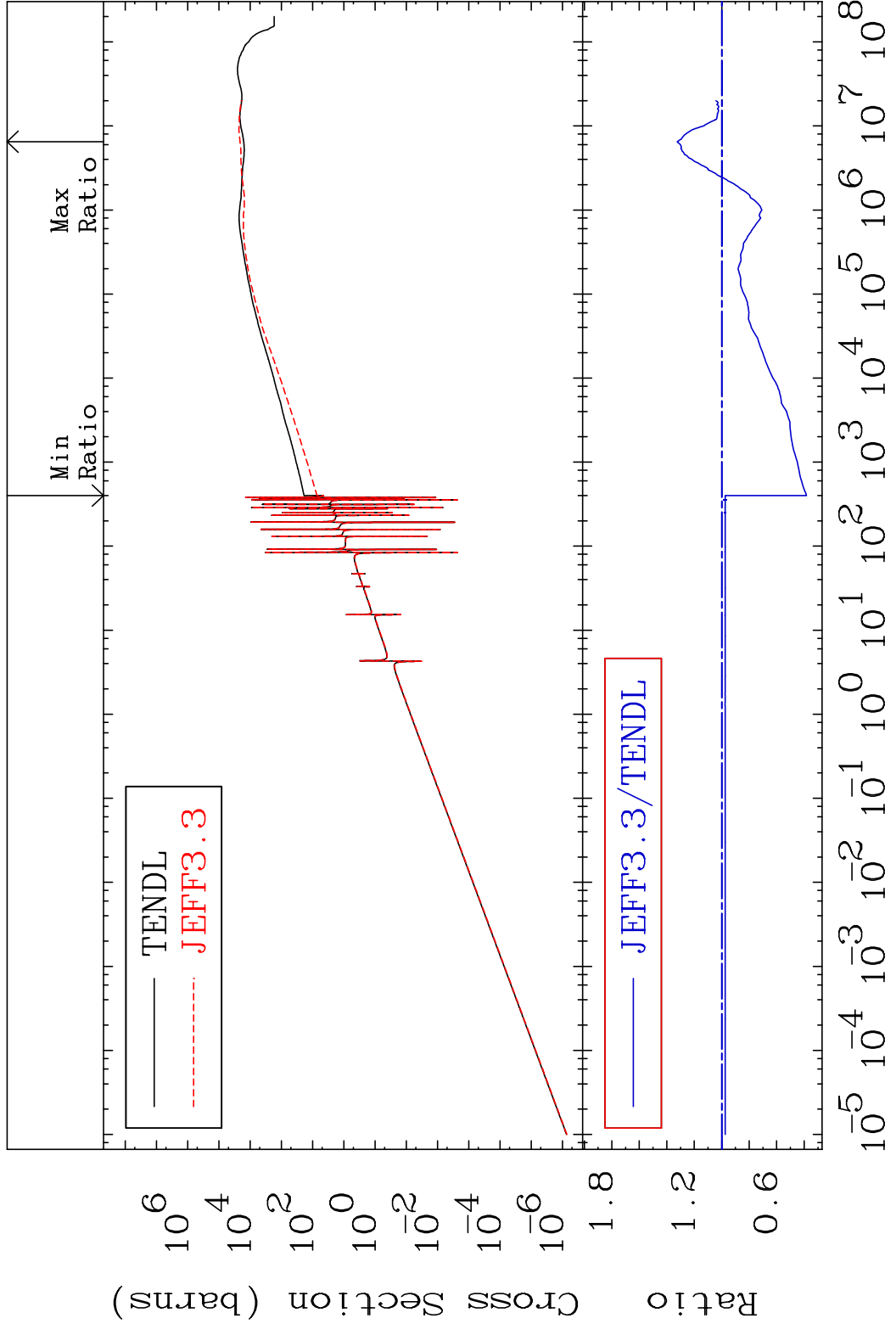
Incident Energy (eV)

96-Cm-246

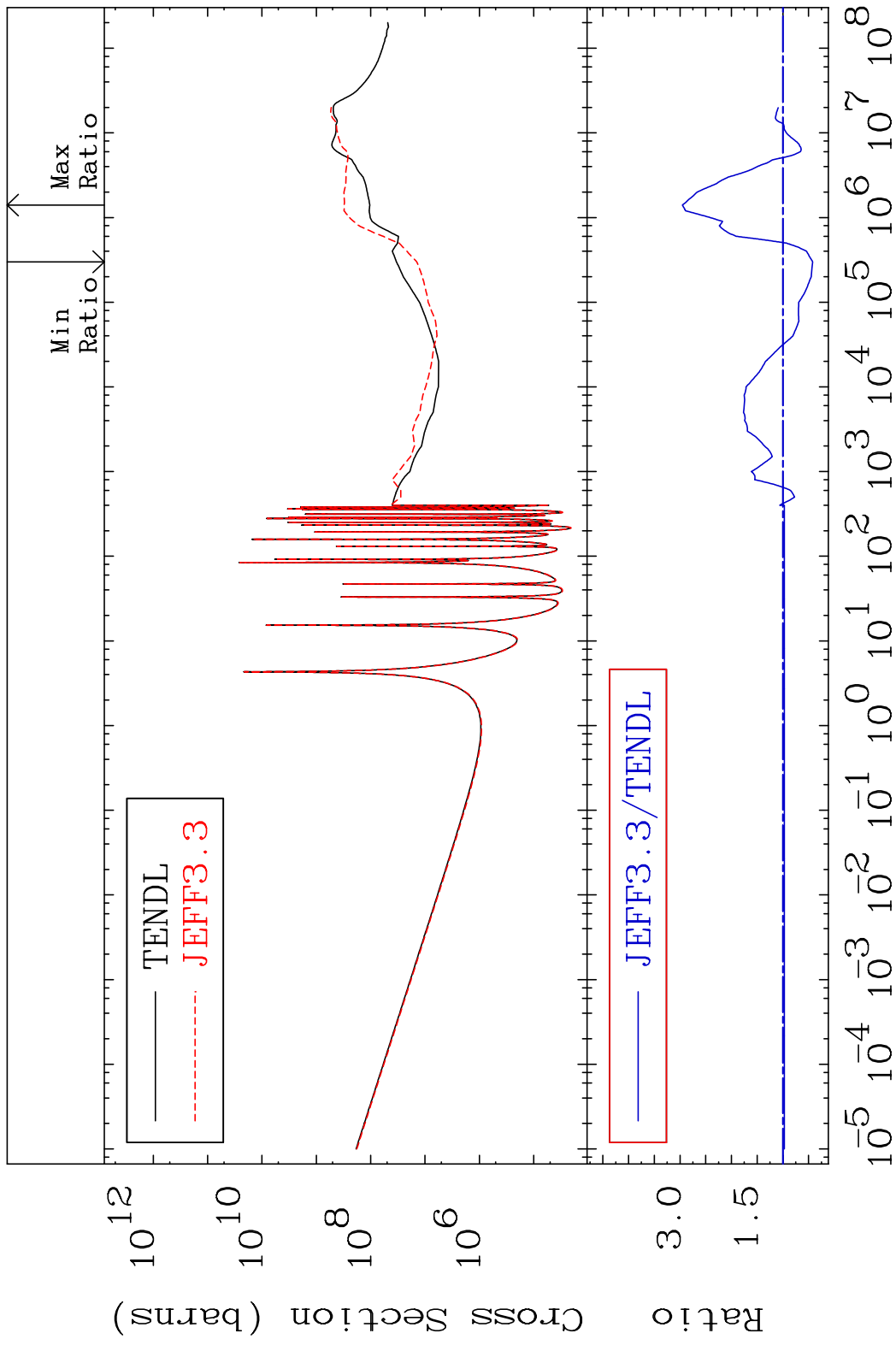
MAT 9643

Kerma elastic
Cross Section

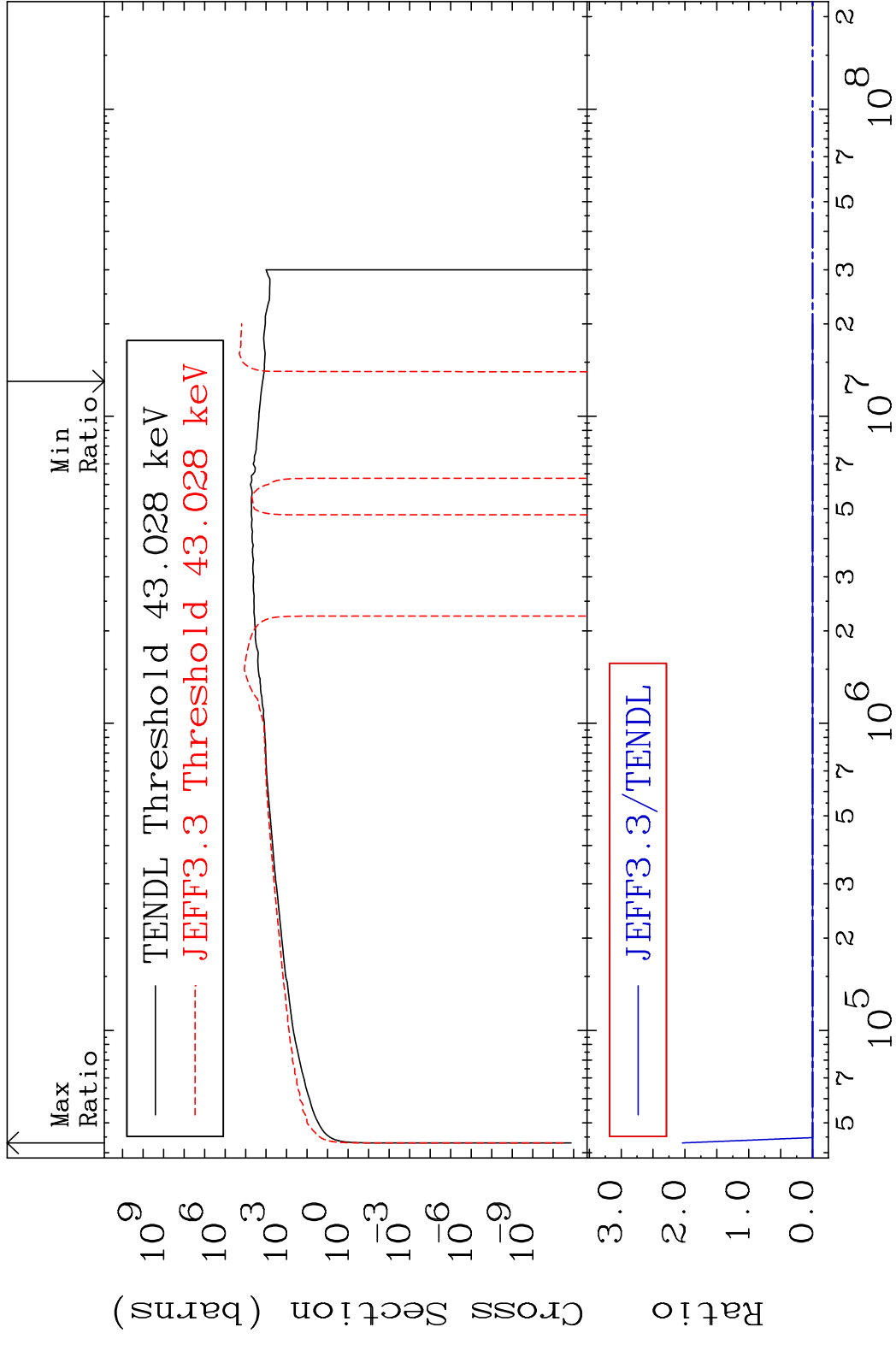
96-Cm-246
-61.63 To 32.43 %



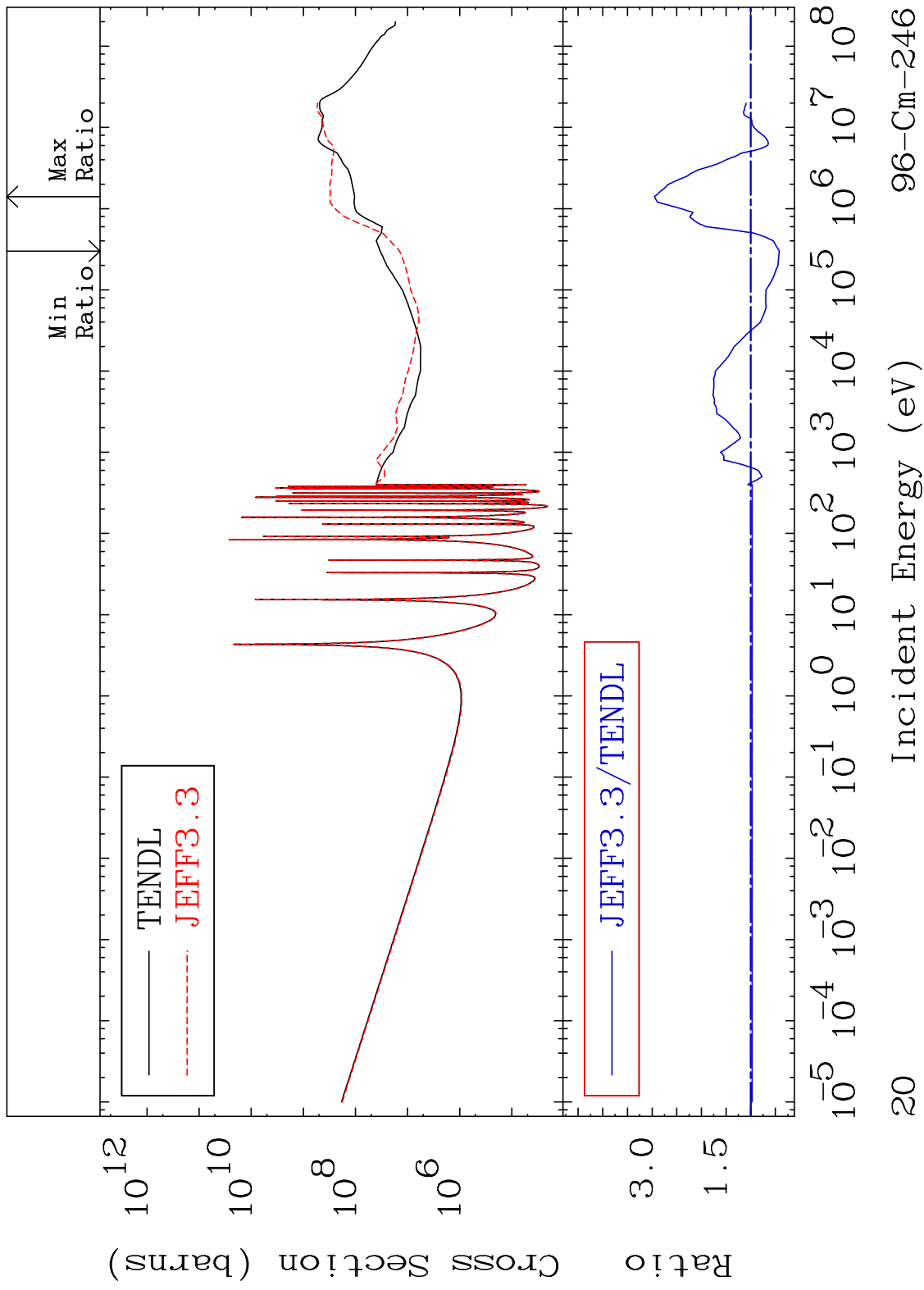
MAT 9643 Kerma non-elastic (all but mt2) 96-Cm-246
 Cross Section -57.78 To 195.4 %



MAT 9643 Kerma inelastic (mt51-91) 96-Cm-246
 Cross Section -978.4 To 9999. %

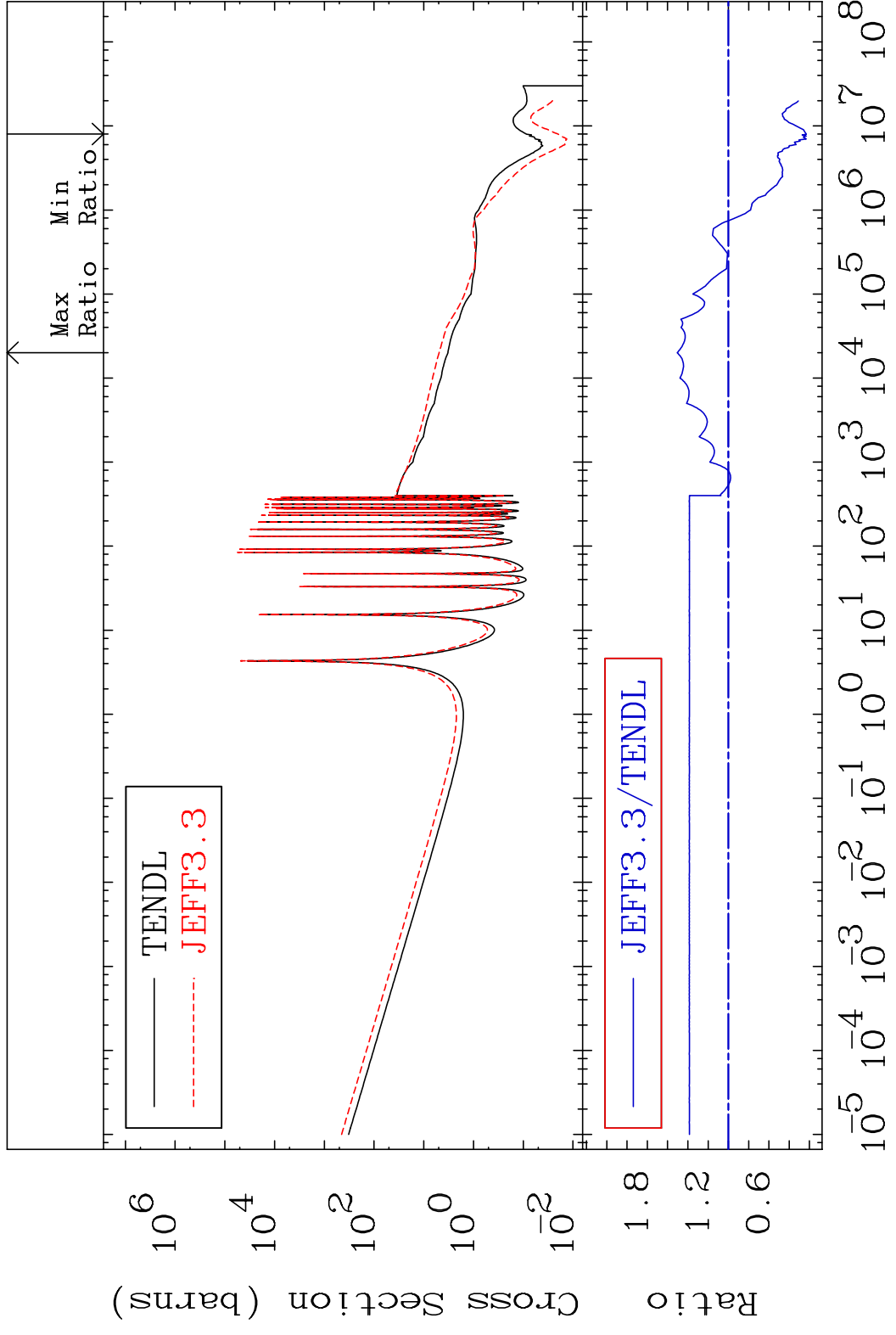


MAT 9643 Kerma fission (mt18 or mt19-20-21-38) 96-Cm-246
 Cross Section -57.78 To 195.4 %

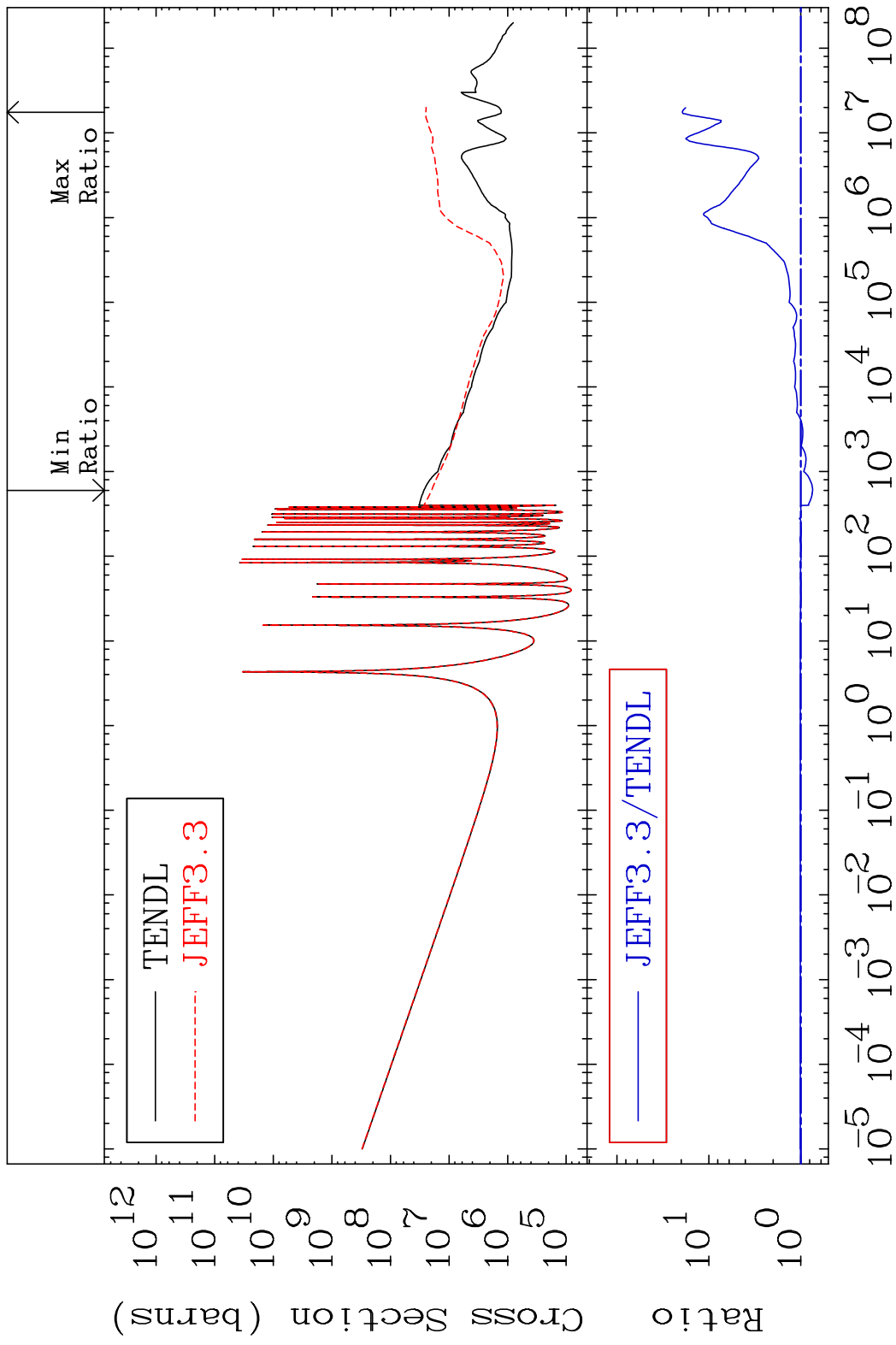


MAT 9643

Kerma capture (mt102) 96-Cm-246
Cross Section -76.95 To 50.54 %

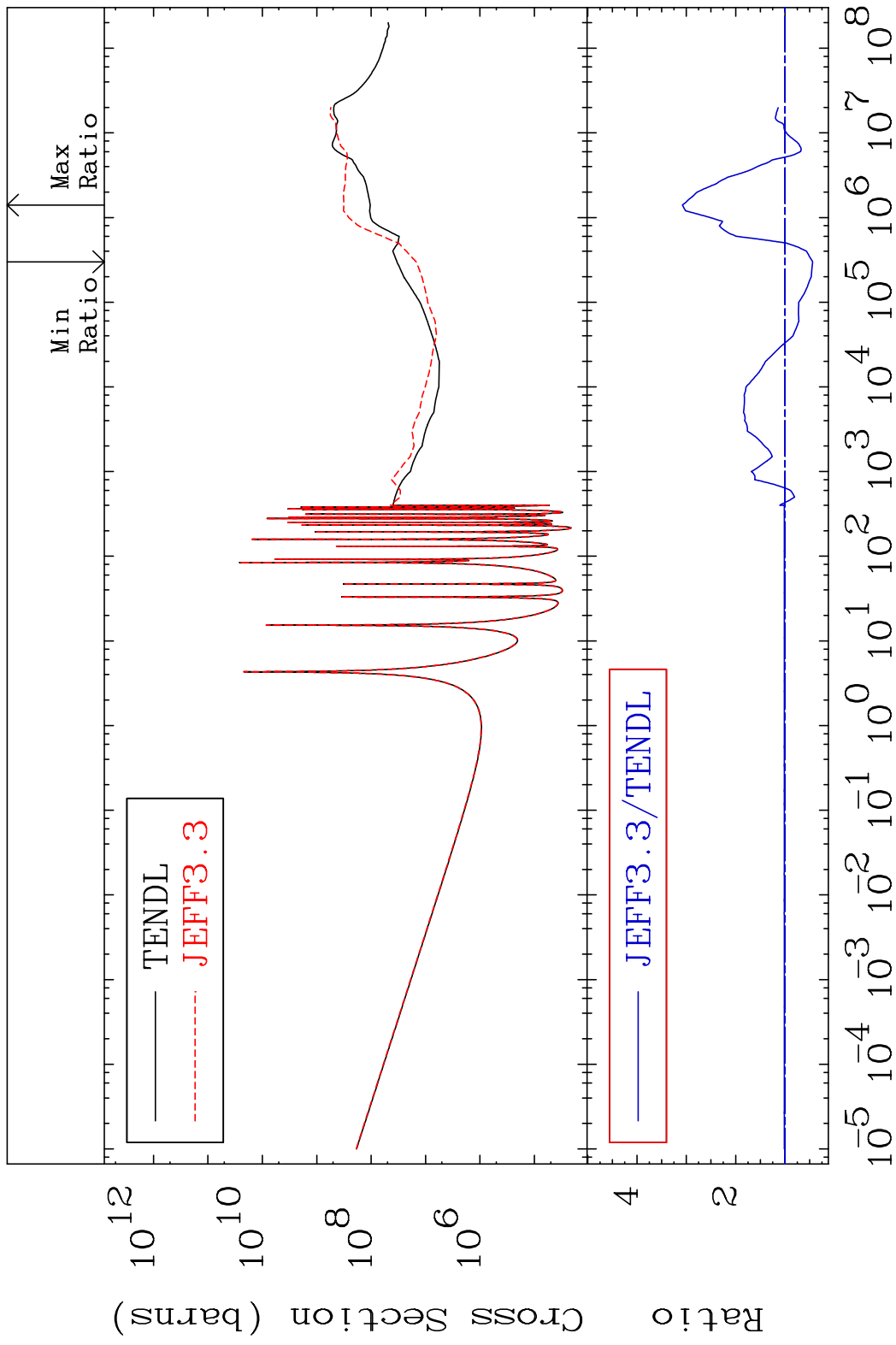


MAT 9643 Total photon (eV-barns) 96-Cm-246
 Cross Section -25.66 To 1840. %



22 Incident Energy (eV) 96-Cm-246

MAT 9643 Total kinematic kerma (high limit) 96-Cm-246
 Cross Section -55.94 To 208.0 %

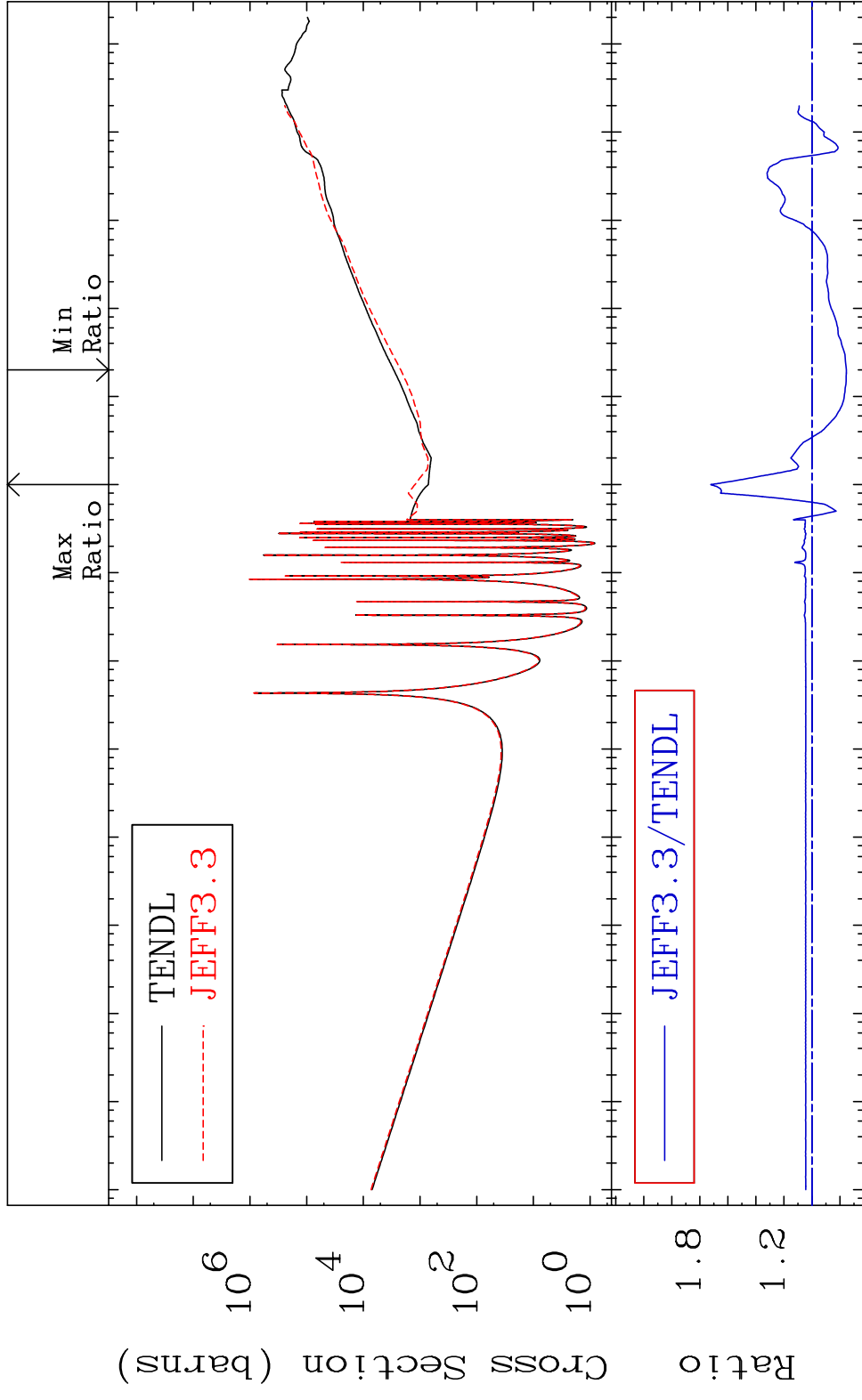


MAT 9643

Dpa total (eV-barns)

96-Cm-246

Cross Section -24.62 To 72.18 %



24

Incident Energy (eV)

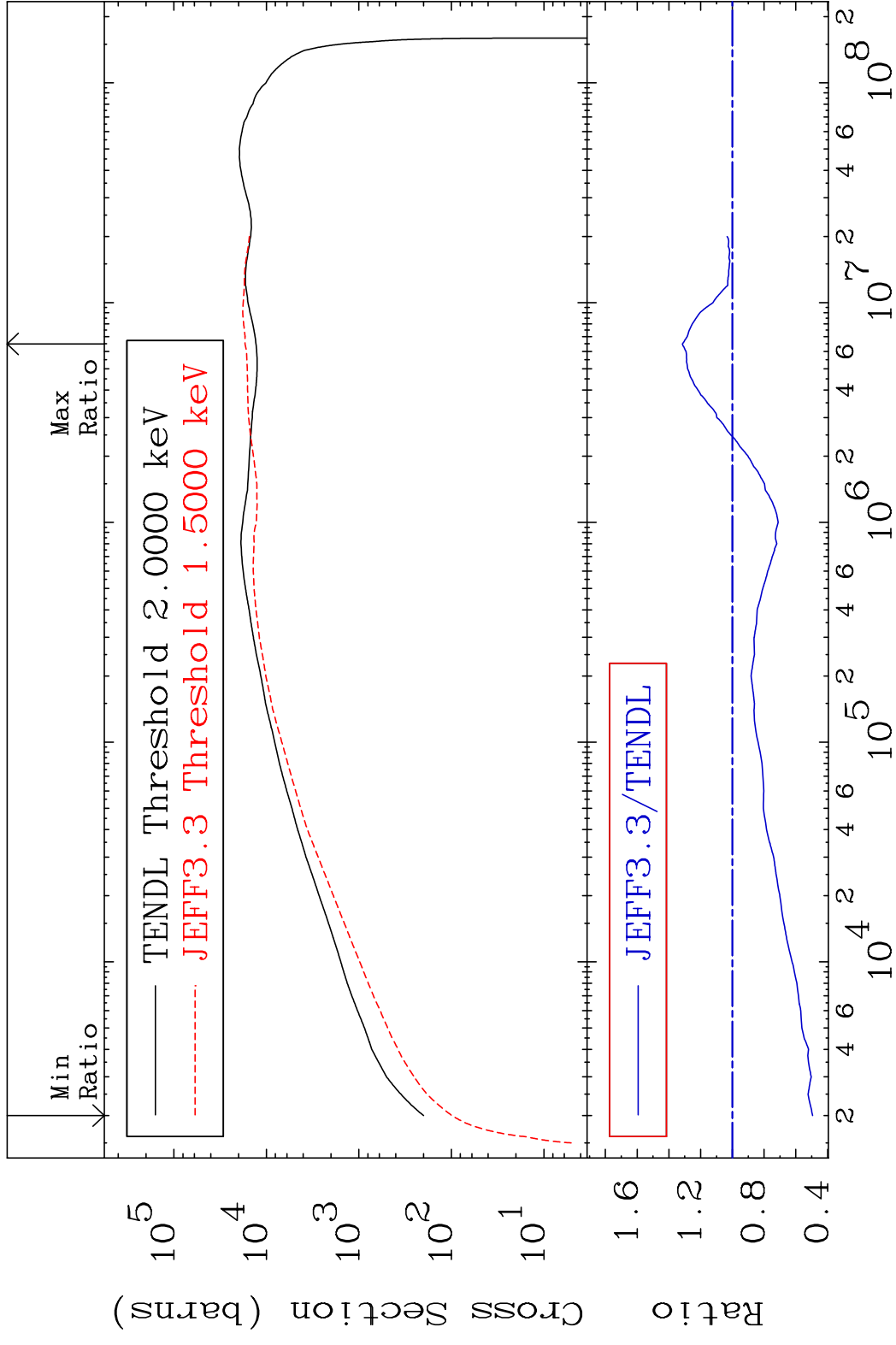
96-Cm-246

MAT 9643

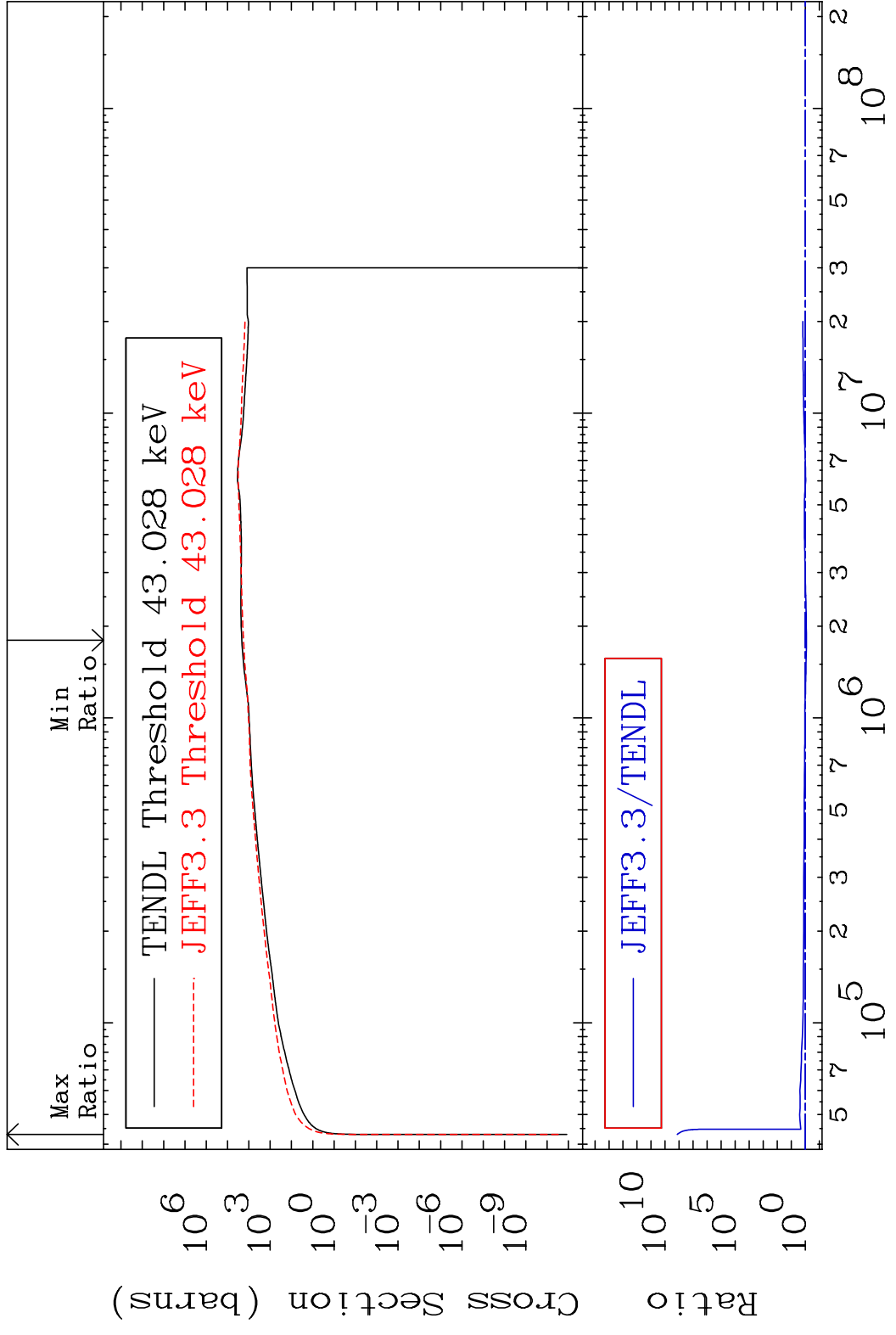
Dpa elastic (mt2)

96-Cm-246

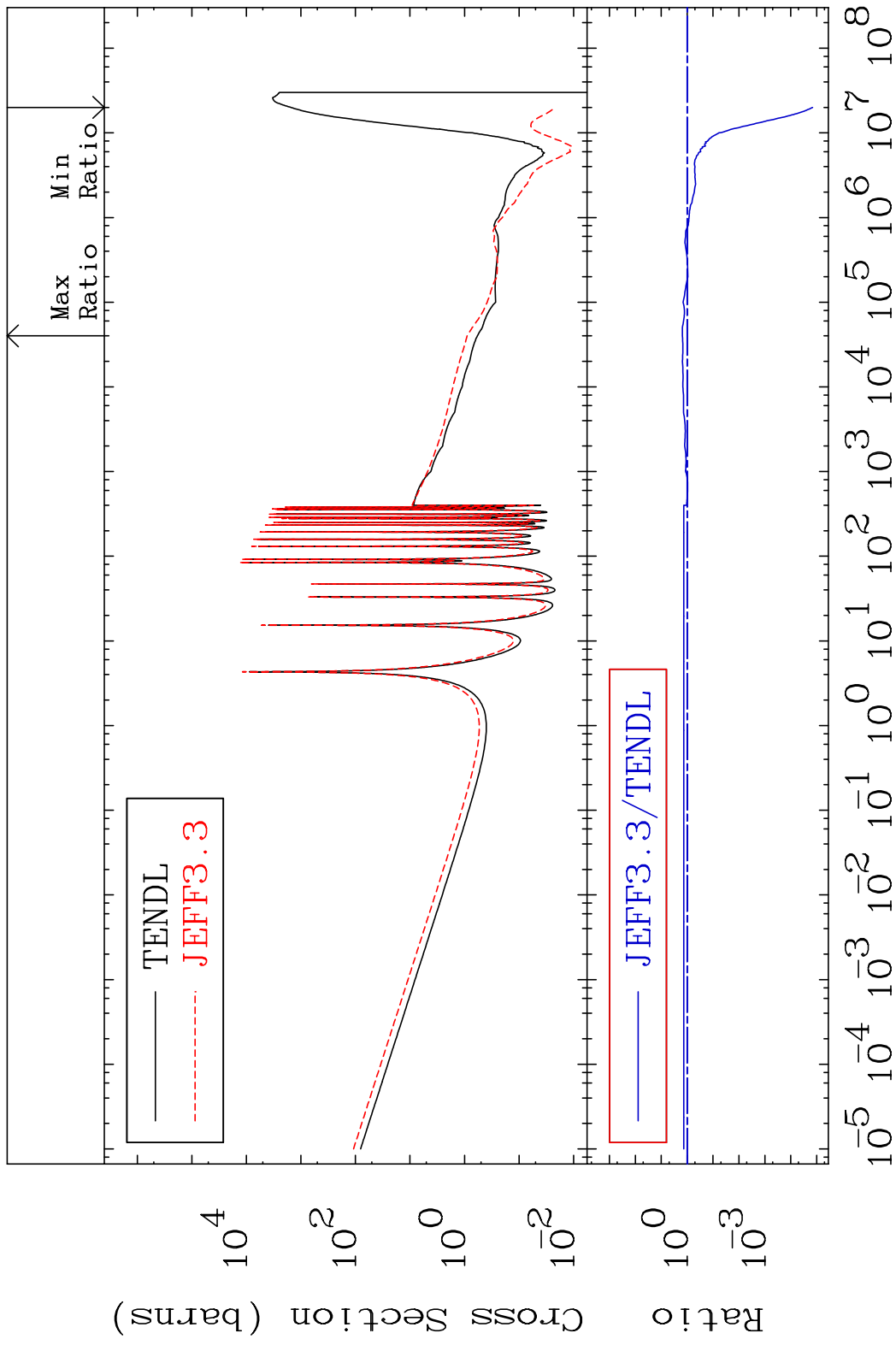
Cross Section -50.53 To 31.51 %



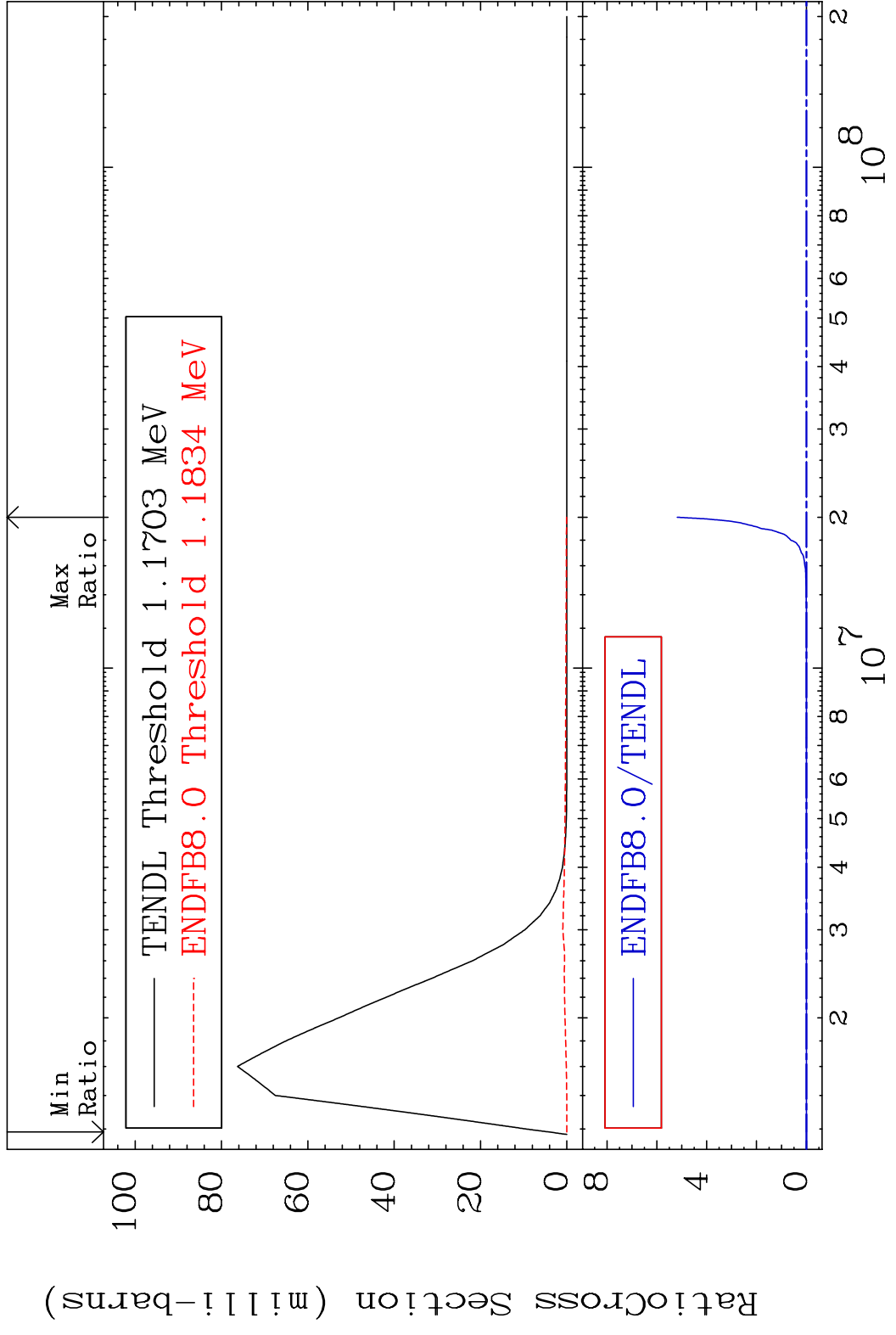
MAT 9643 Dpa inelastic (mt51-91) 96-Cm-246
 Cross Section -17.52 To 9999. %



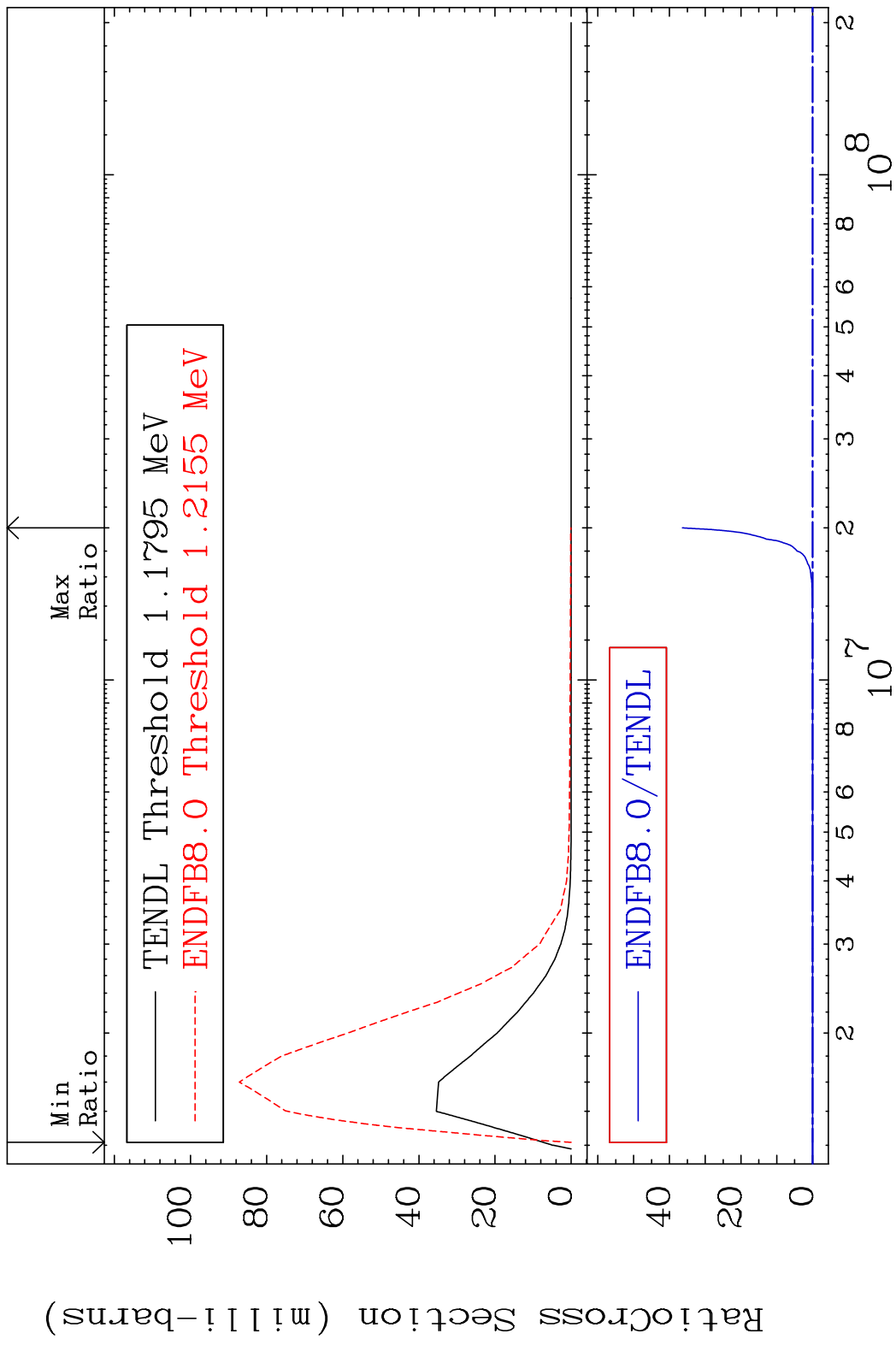
MAT 9643 Dpa disappearance (mt102 -120) 96-Cm-246
 Cross Section -100.0 To 53.23 %



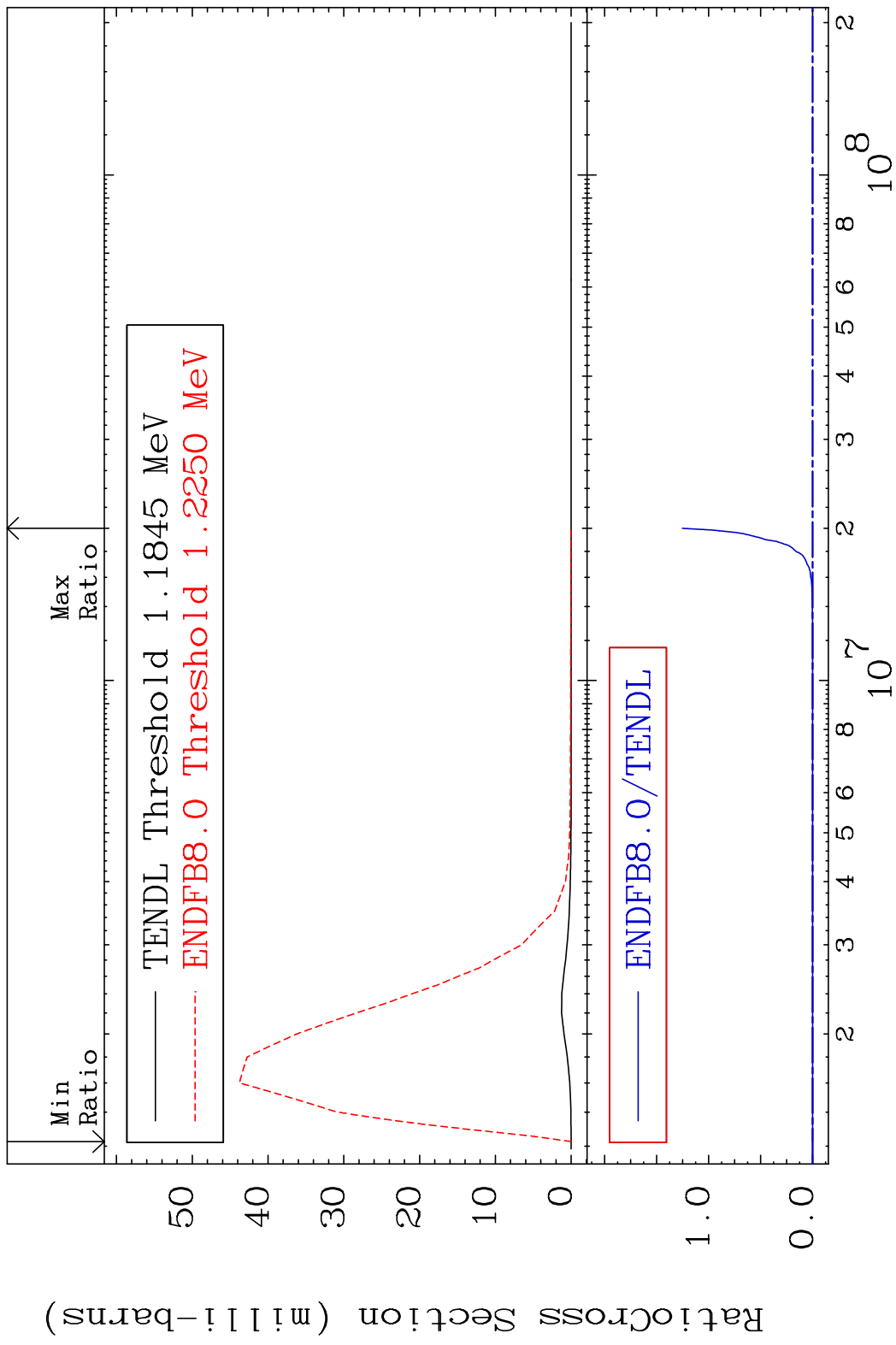
MAT 9643 MT= 68 (n, n') Level 96-Cm-246
 Cross Section -100.0 To 9999. %



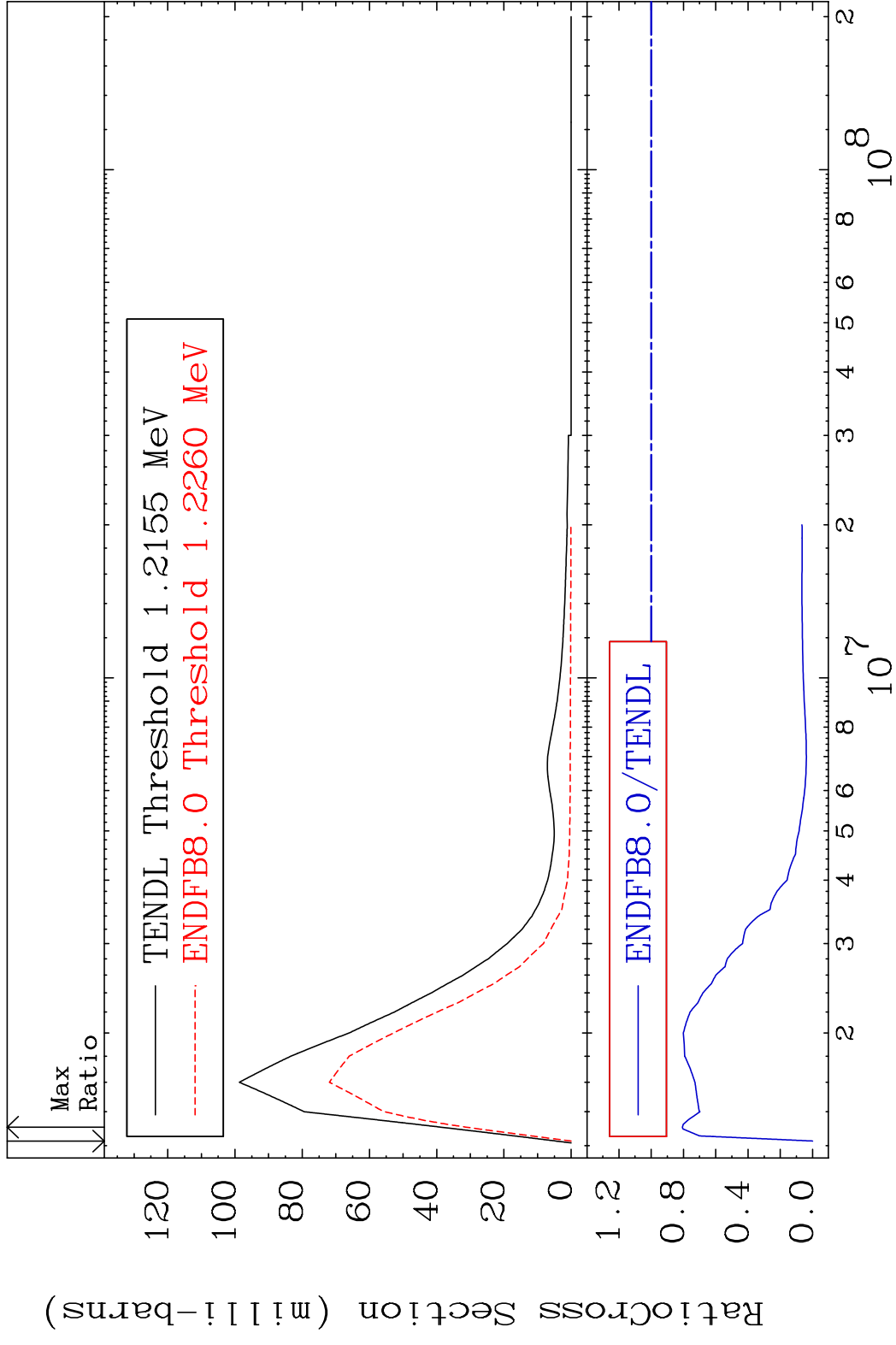
MAT 9643 MT= 69 (n, n') Level 96-Cm-246
 Cross Section -100.0 To 9999. %



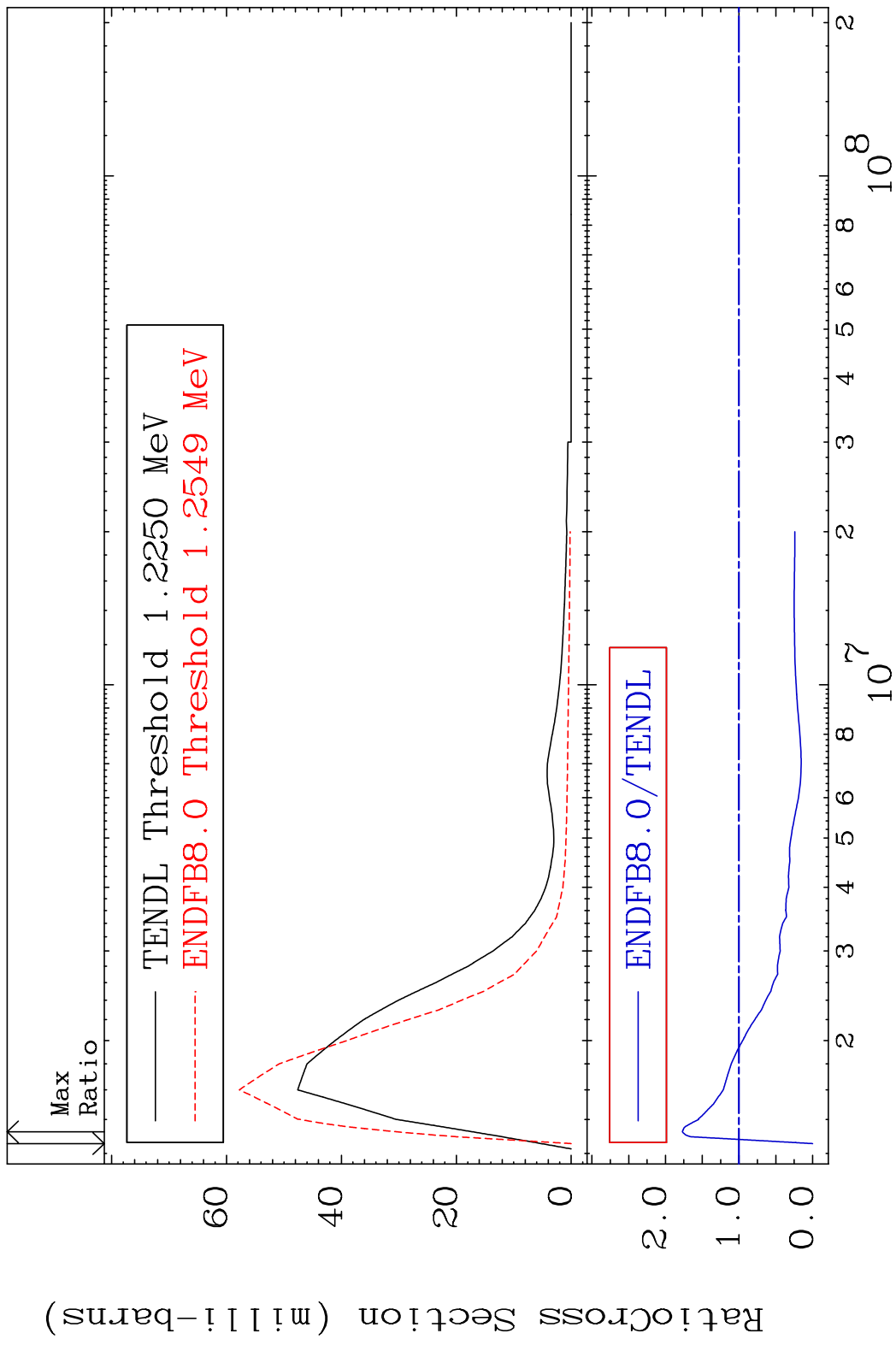
MAT 9643 MT= 70 (n, n') Level 96-Cm-246
 Cross Section -100.0 To 9999. %



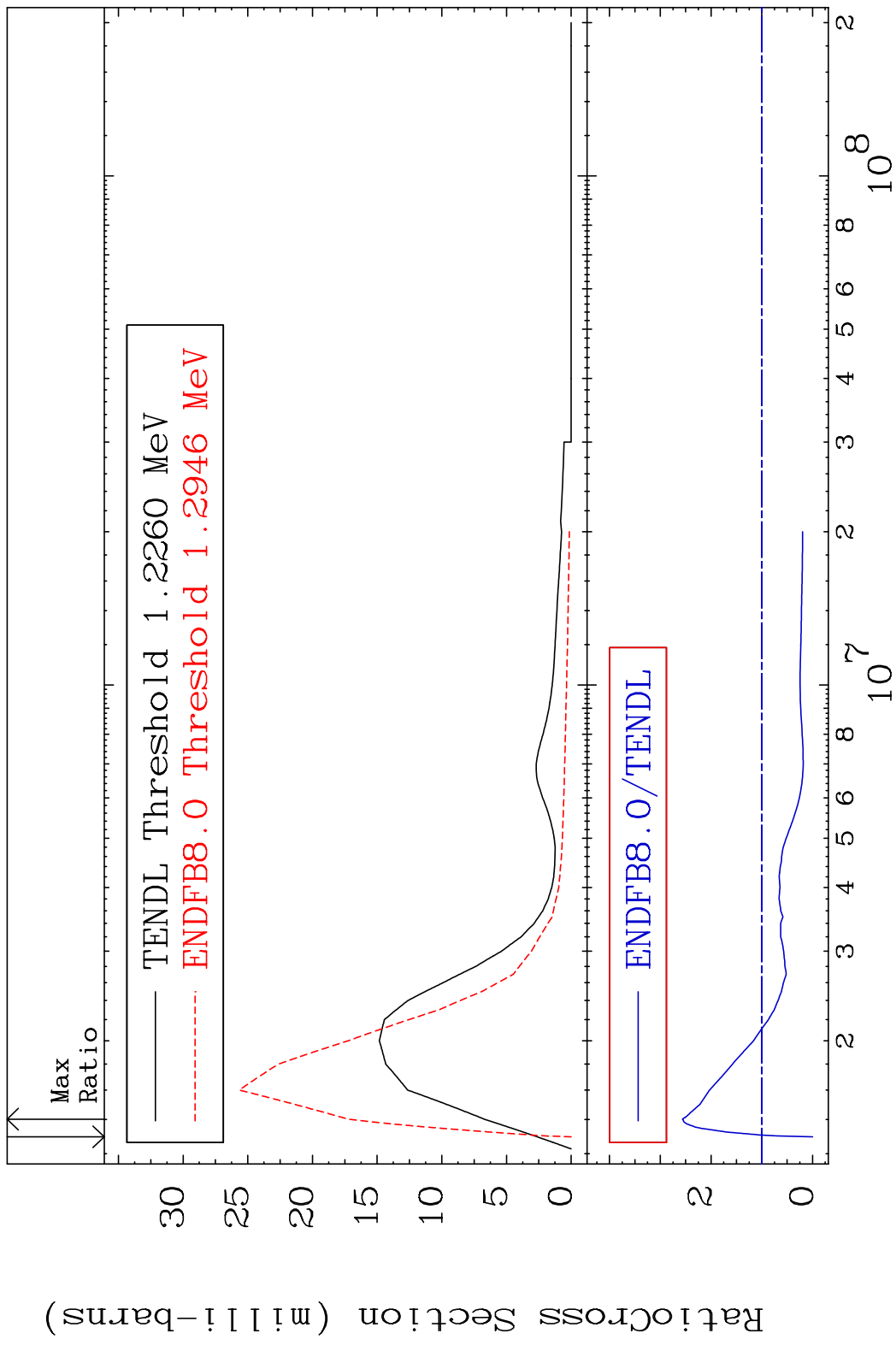
MAT 9643 MT= 71 (n,n') Level 96-Cm-246
 Cross Section -100.0 To -19.31%



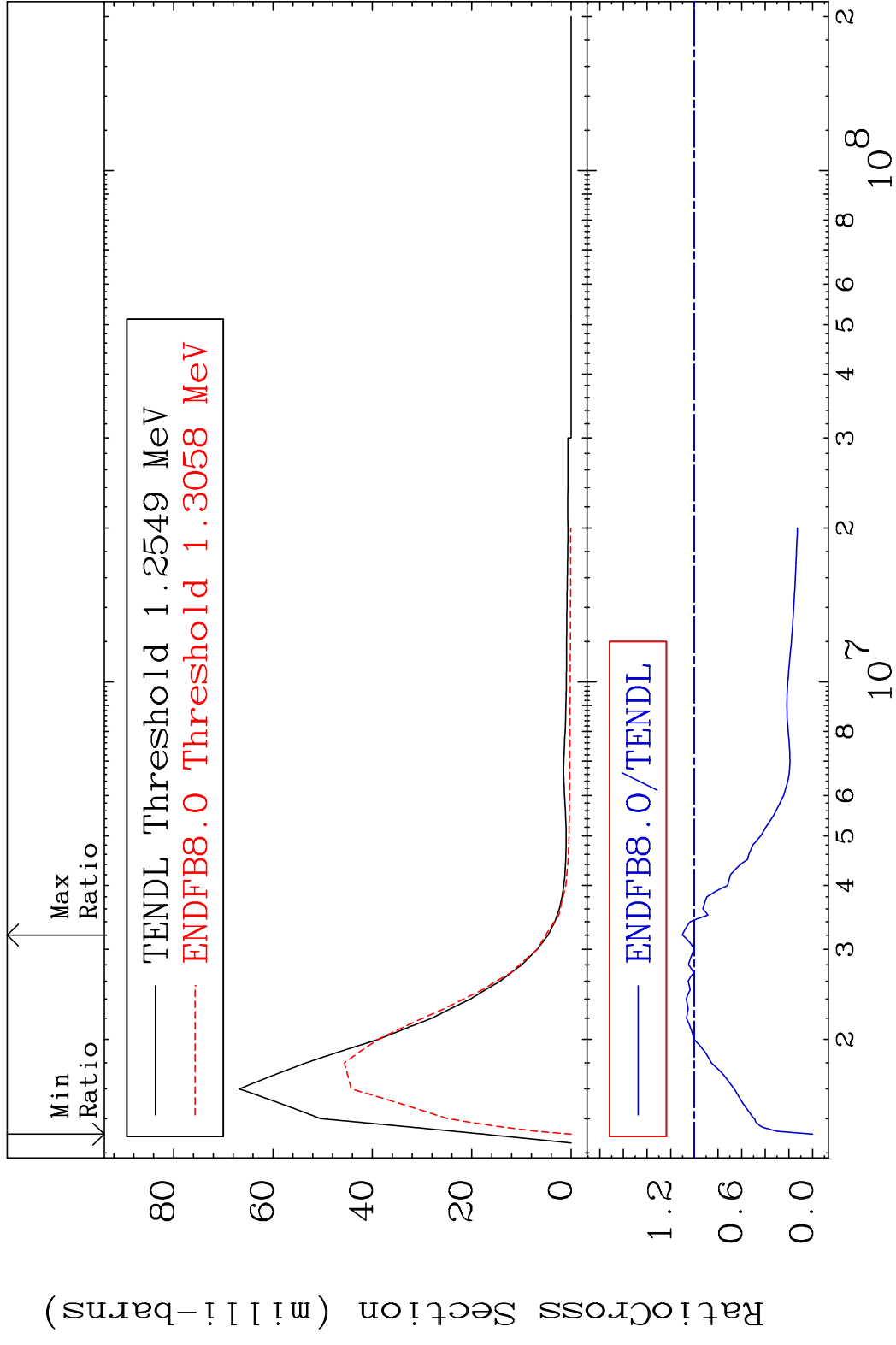
MAT 9643 MT= 72 (n, n') Level 96-Cm-246
 Cross Section -100.0 To 77.03 %



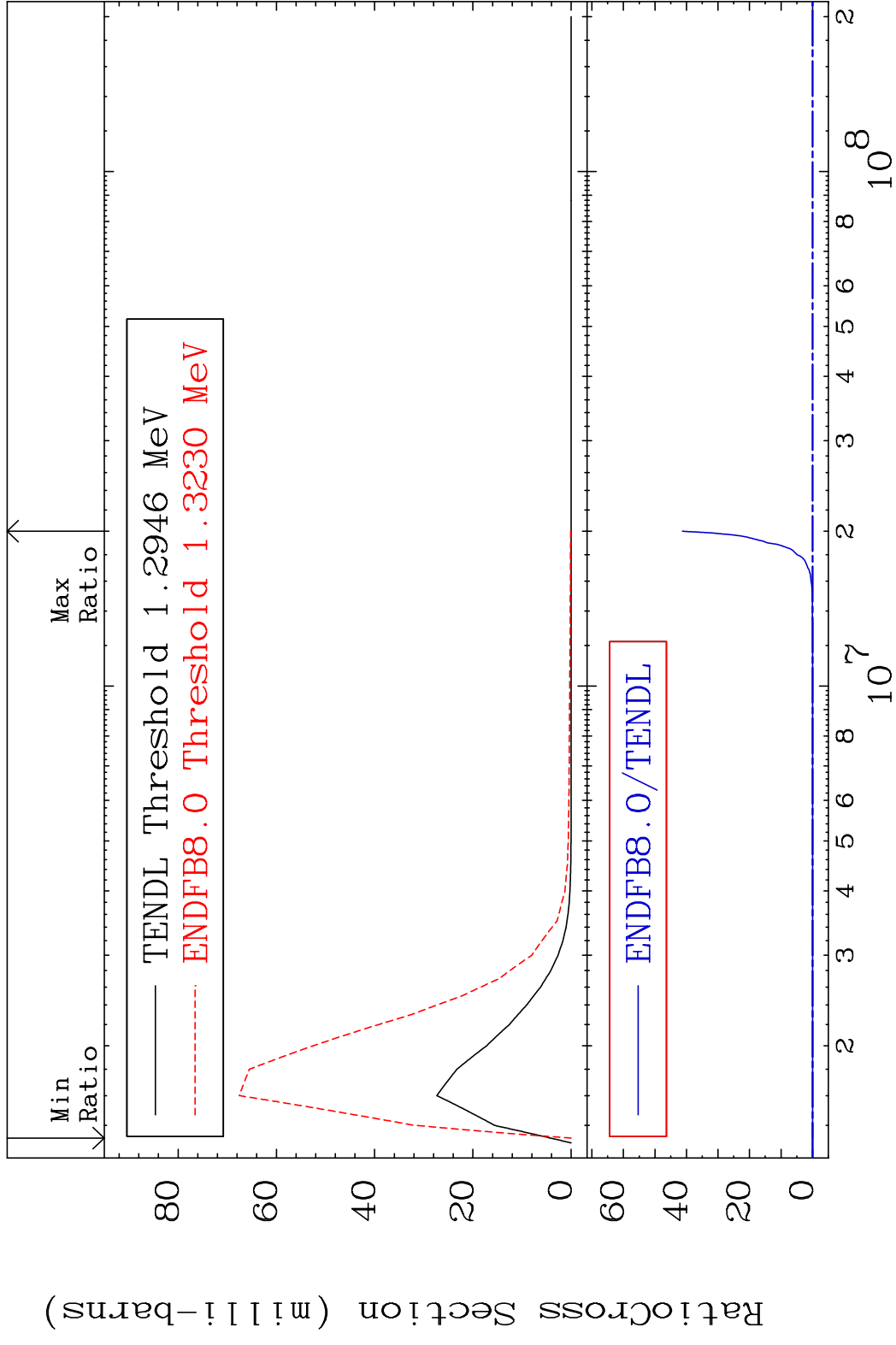
MAT 9643 MT= 73 (n, n') Level 96-Cm-246
 Cross Section -100.0 To 156.5 %



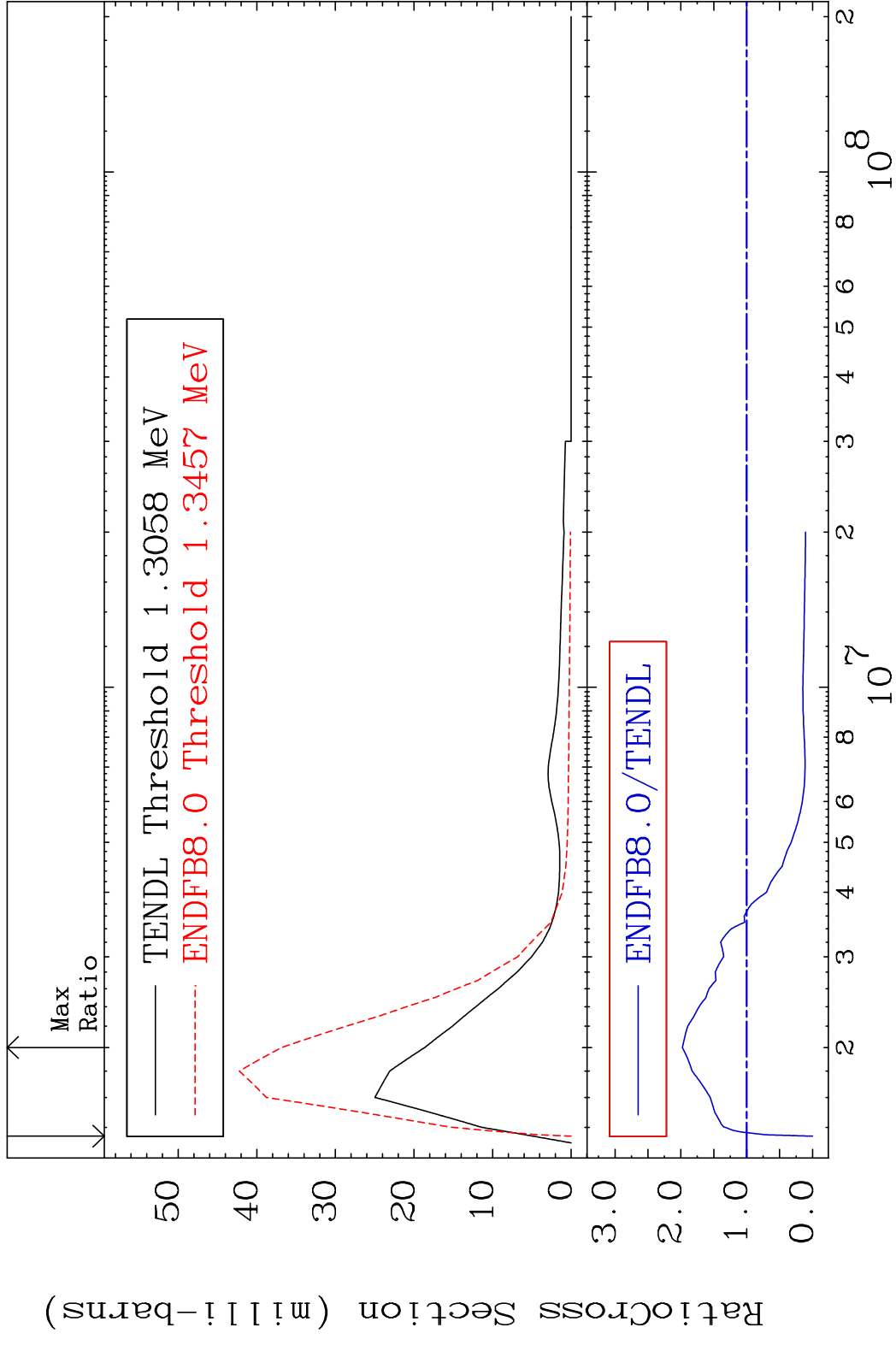
MAT 9643 MT= 74 (n, n') Level 96-Cm-246
 Cross Section -100.0 To 10.14 %



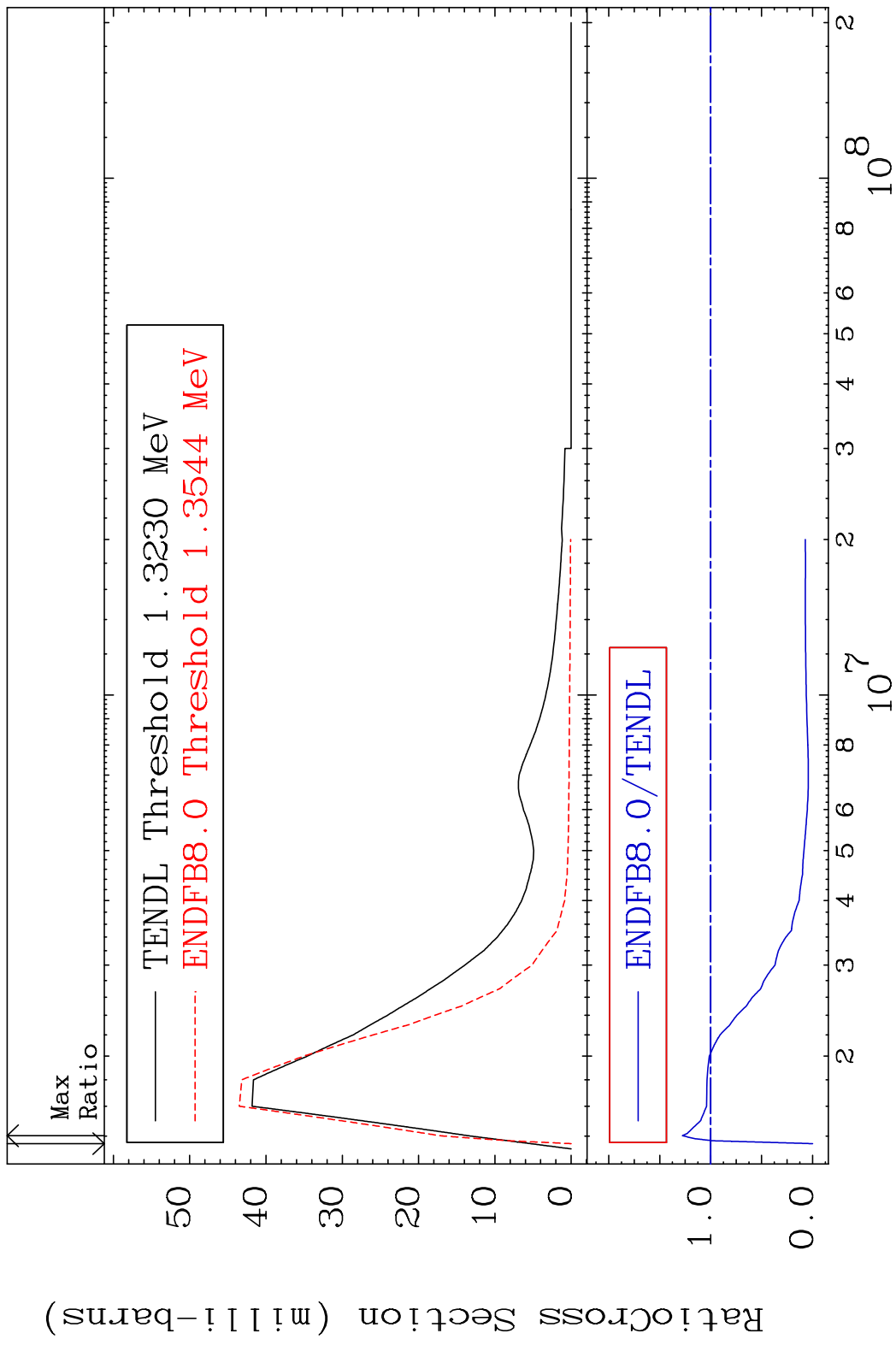
MAT 9643 MT= 75 (n, n') Level 96-Cm-246
 Cross Section -100.0 To 9999. %



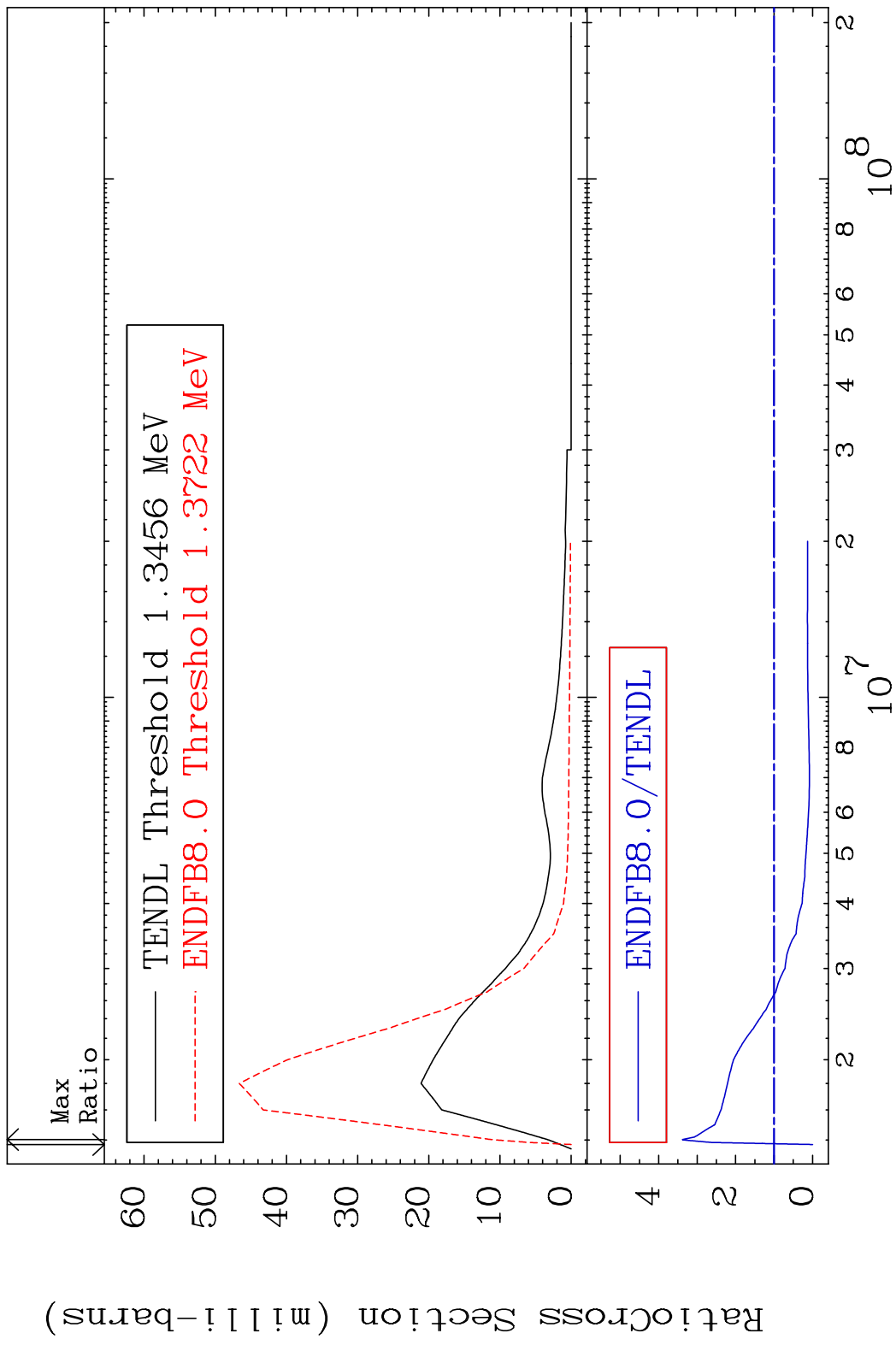
MAT 9643 MT= 76 (n, n') Level 96-Cm-246
 Cross Section -100.0 To 97.73 %



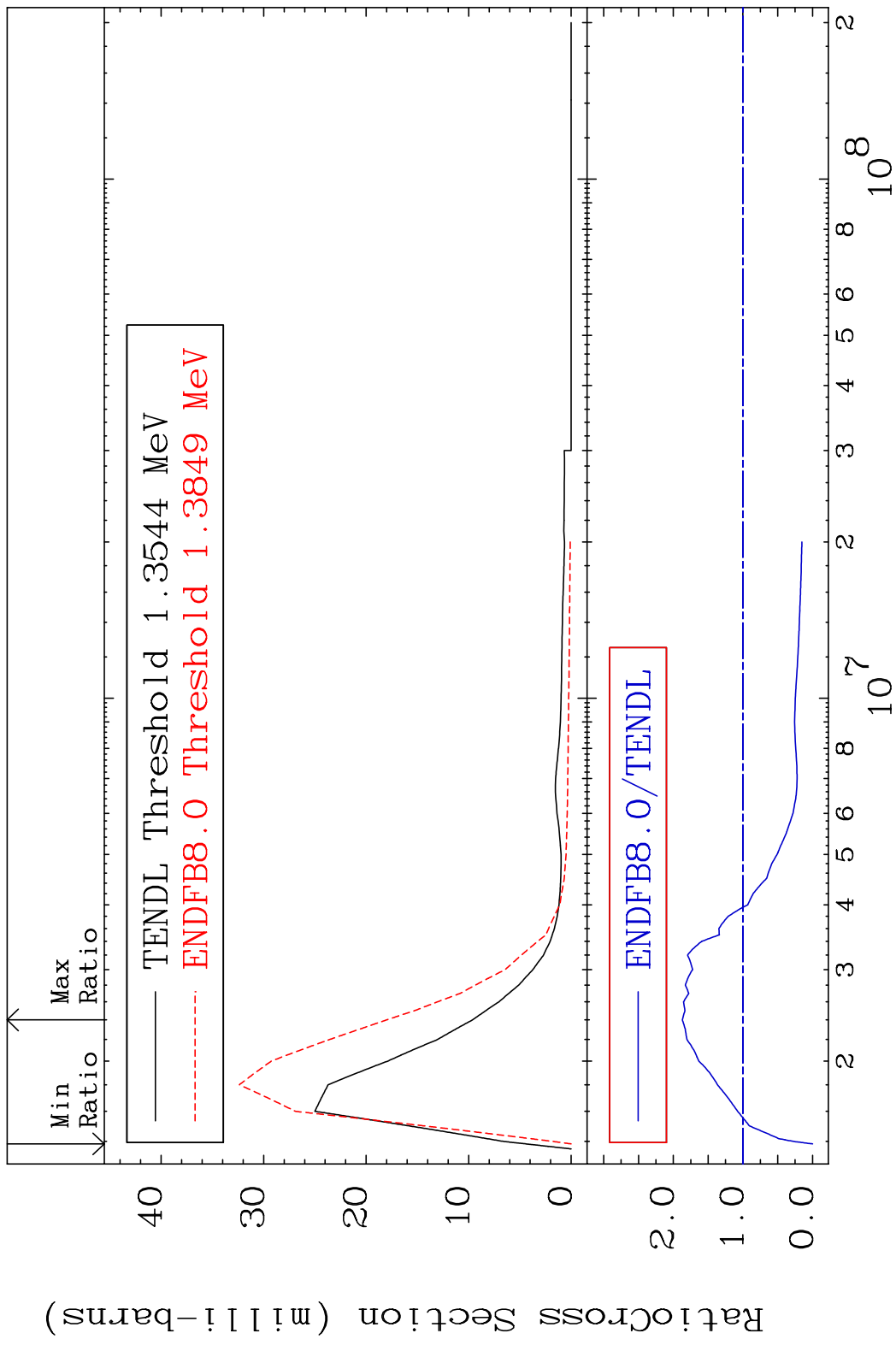
MAT 9643 MT= 77 (n,n') Level 96-Cm-246
 Cross Section -100.0 To 27.78 %



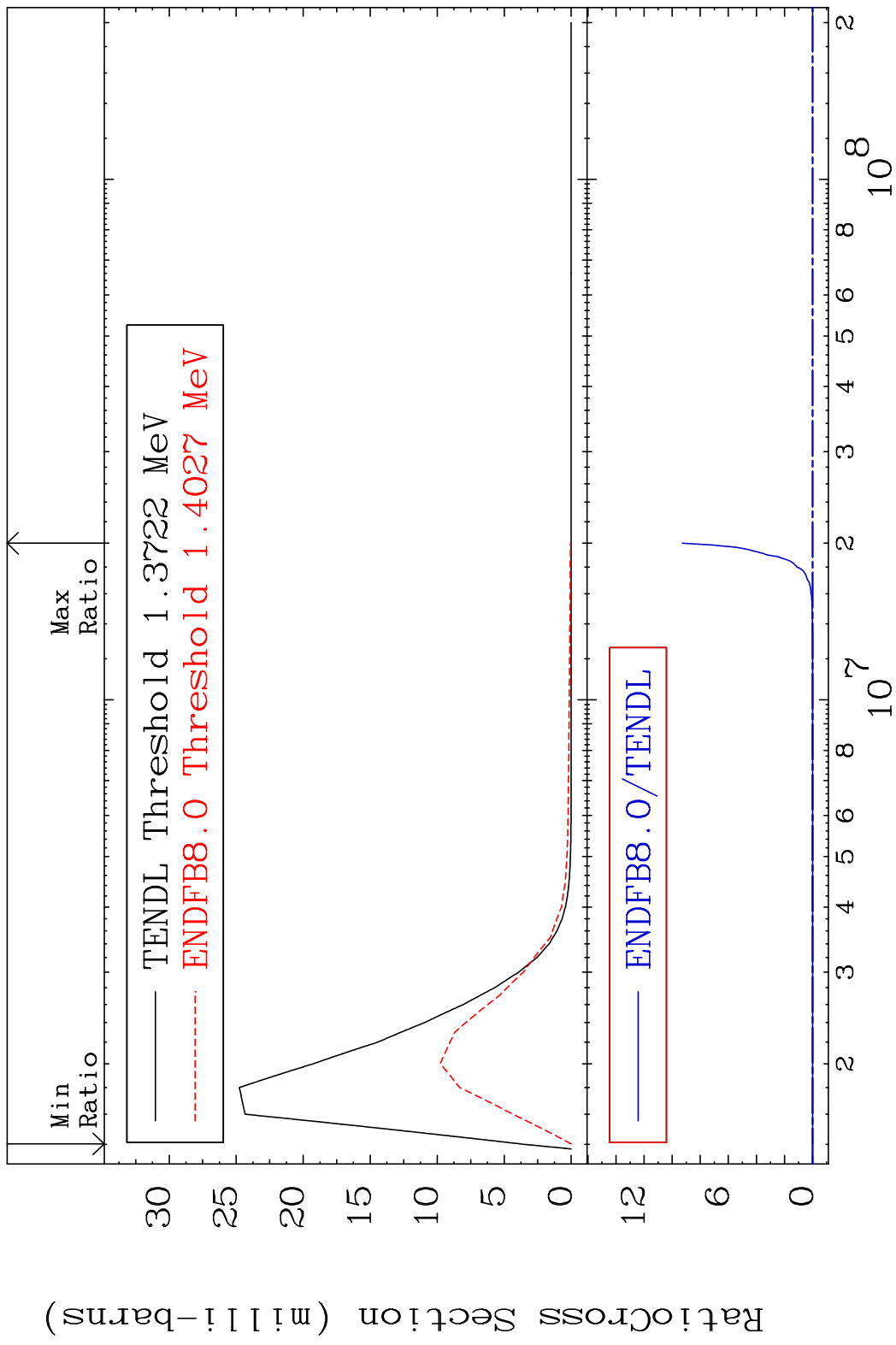
MAT 9643 MT= 78 (n, n') Level 96-Cm-246
 Cross Section -100.0 To 238.4 %



MAT 9643 MT= 79 (n, n') Level 96-Cm-246
 Cross Section -100.0 To 87.01 %



MAT 9643 MT= 80 (n, n') Level 96-Cm-246
 Cross Section -100.0 To 9999. %

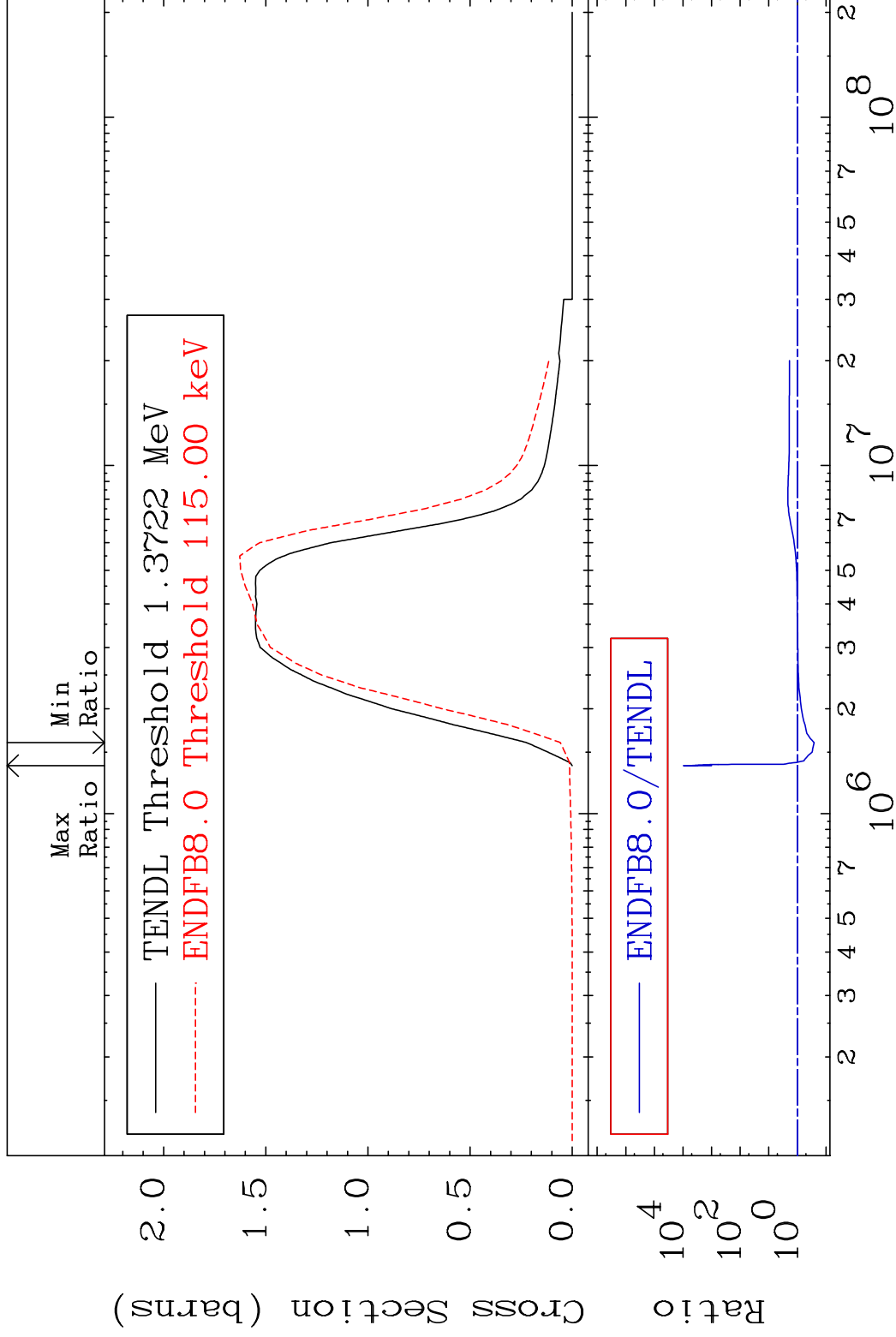


MAT 9643

(n,n') Continuum

96-Cm-246

Cross Section -74.02 To 9999. %

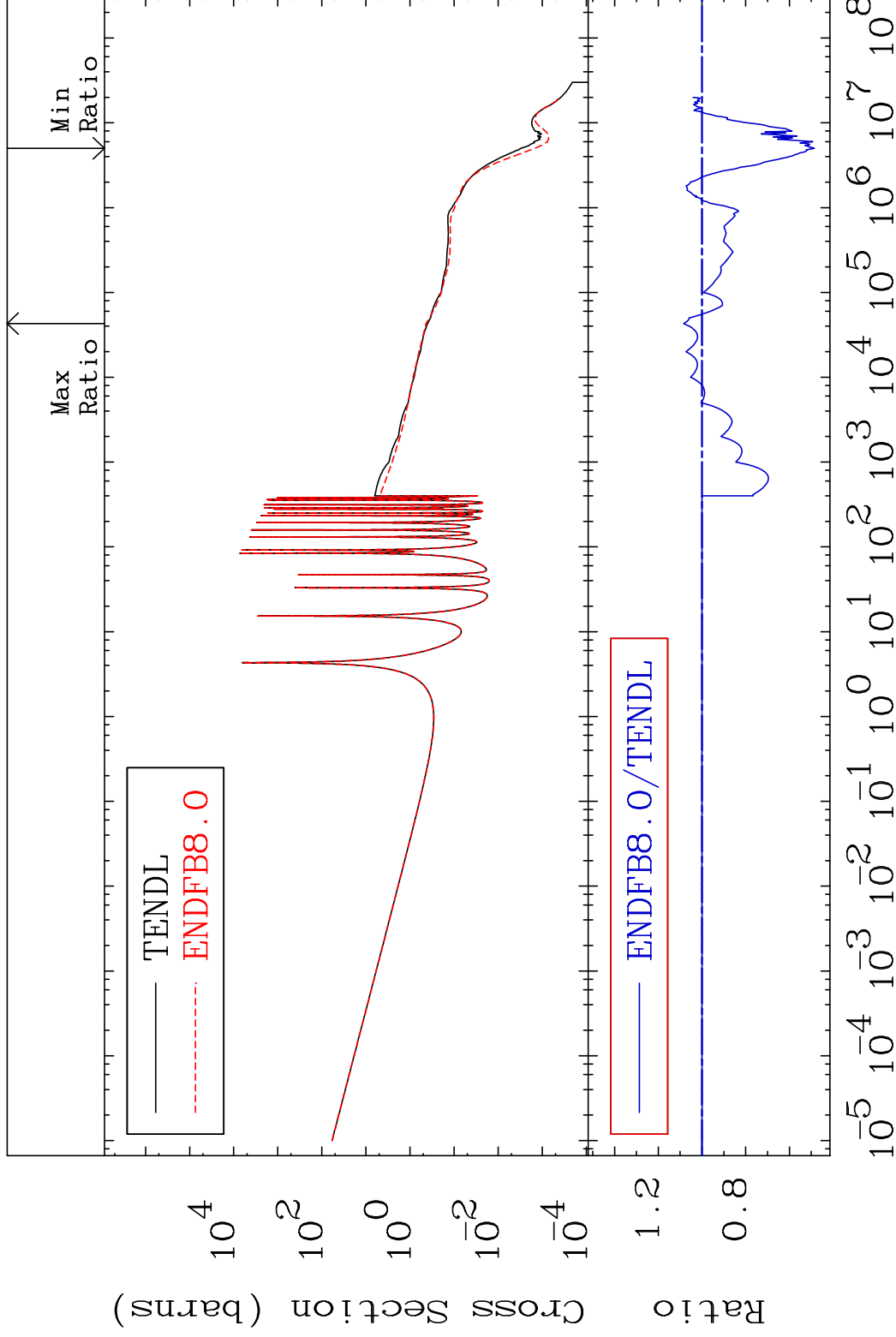


MAT 9643

(n, γ)

96-Cm-246

Cross Section -51.31 To 8.395 %

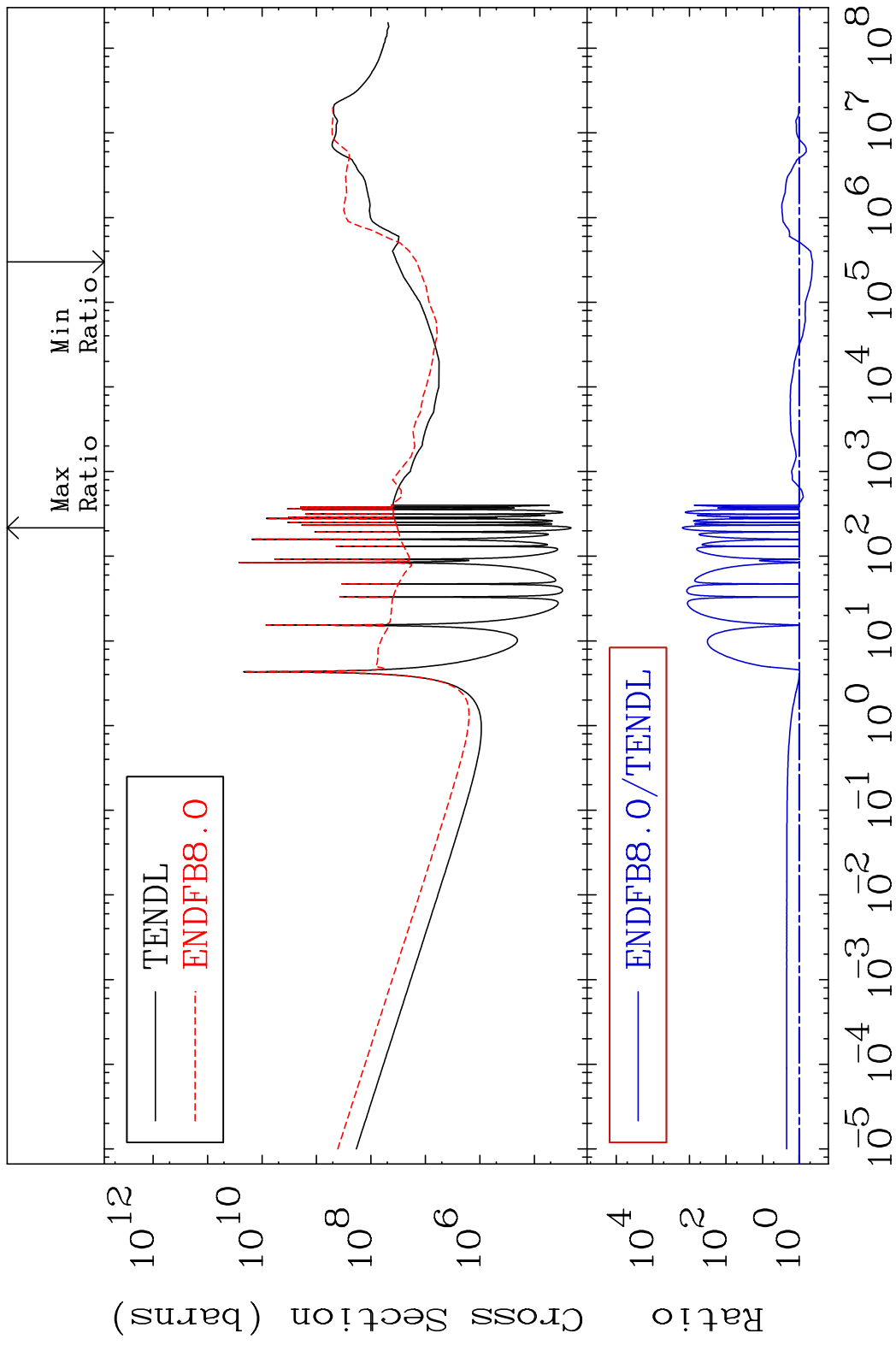


42

Incident Energy (eV)

96-Cm-246

MAT 9643 Kerma total (eV-barns) 96-Cm-246
 Cross Section -56.92 To 9999. %

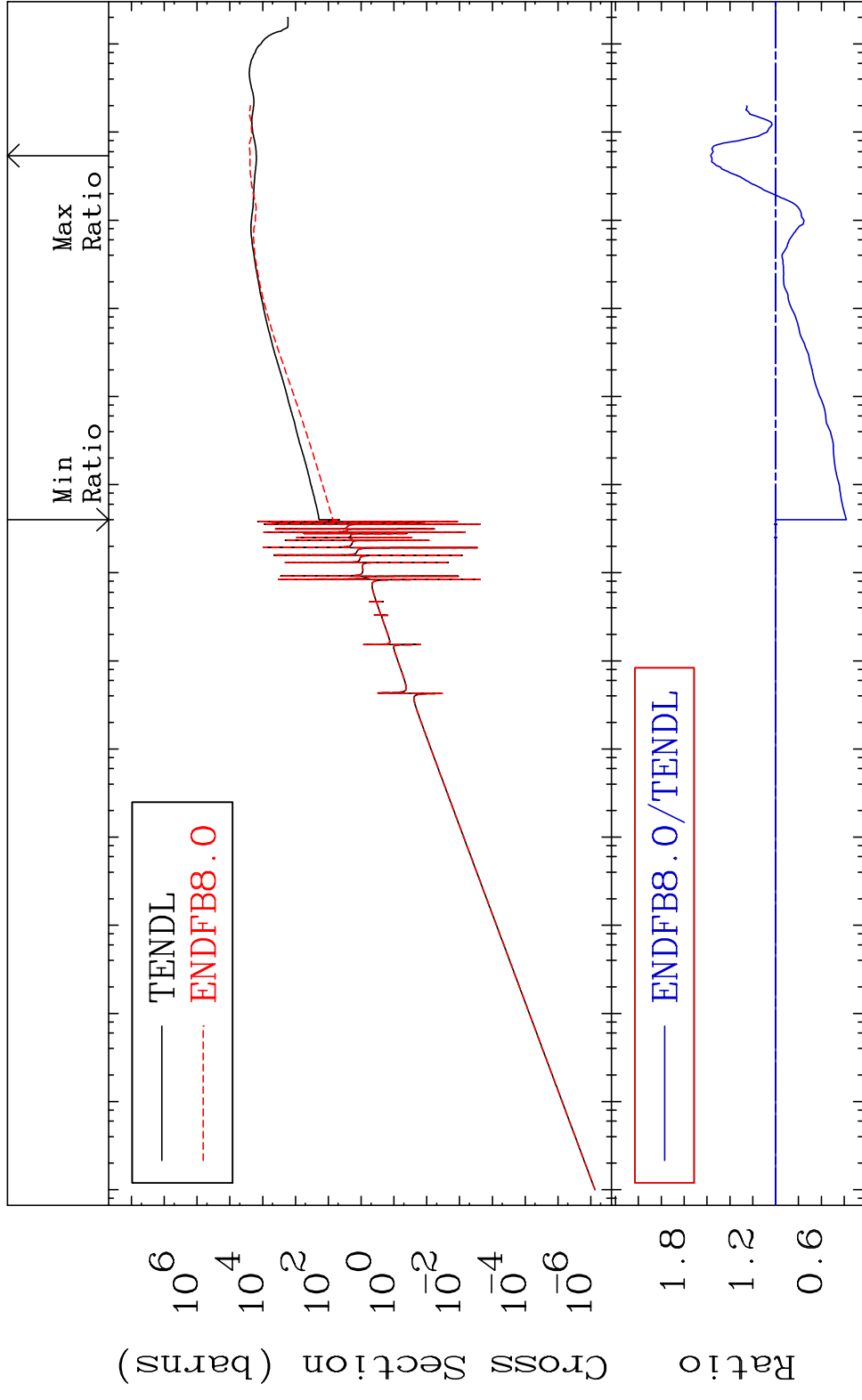


43 Incident Energy (eV) 96-Cm-246

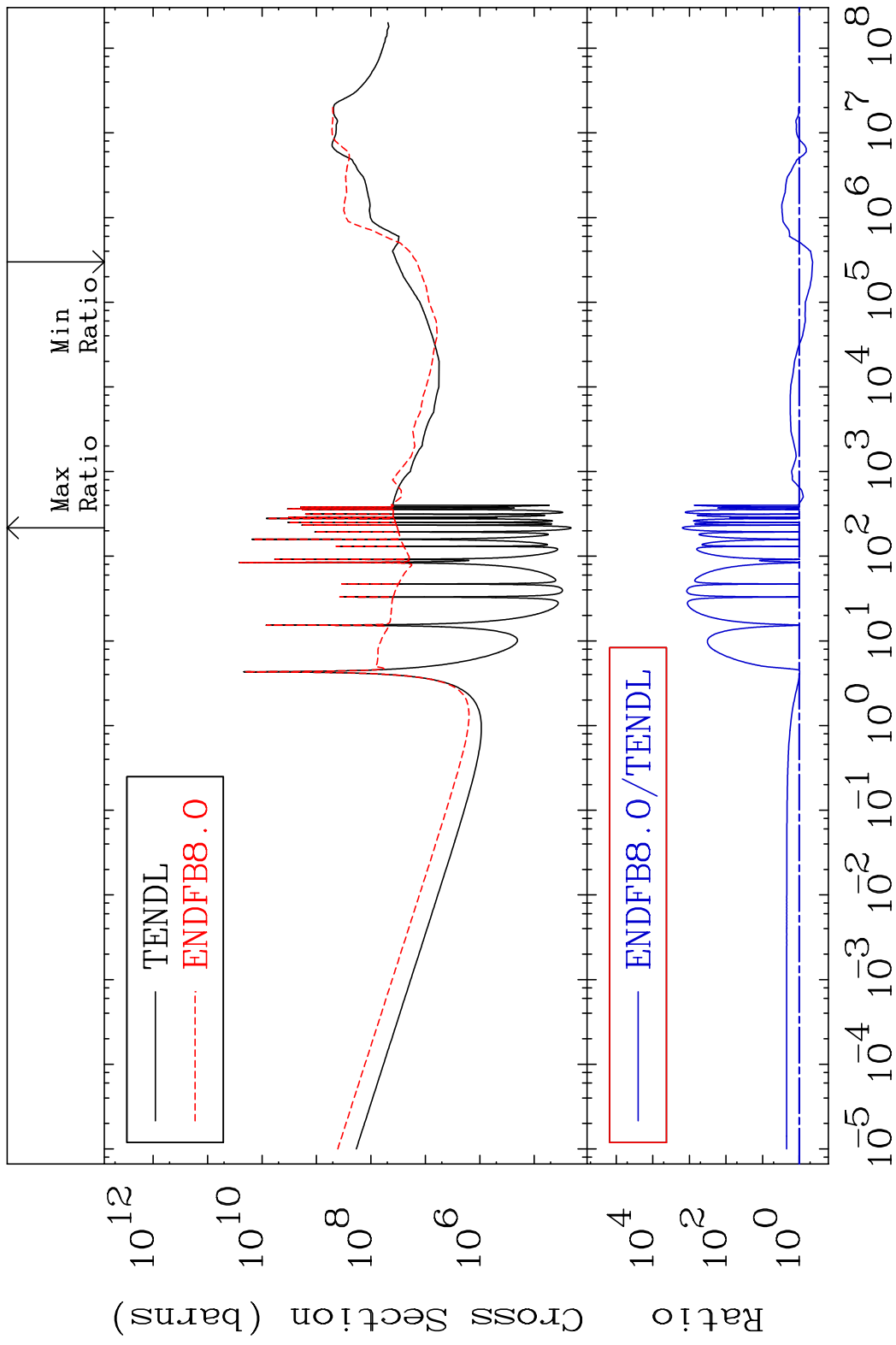
MAT 9643

Kerma elastic
Cross Section

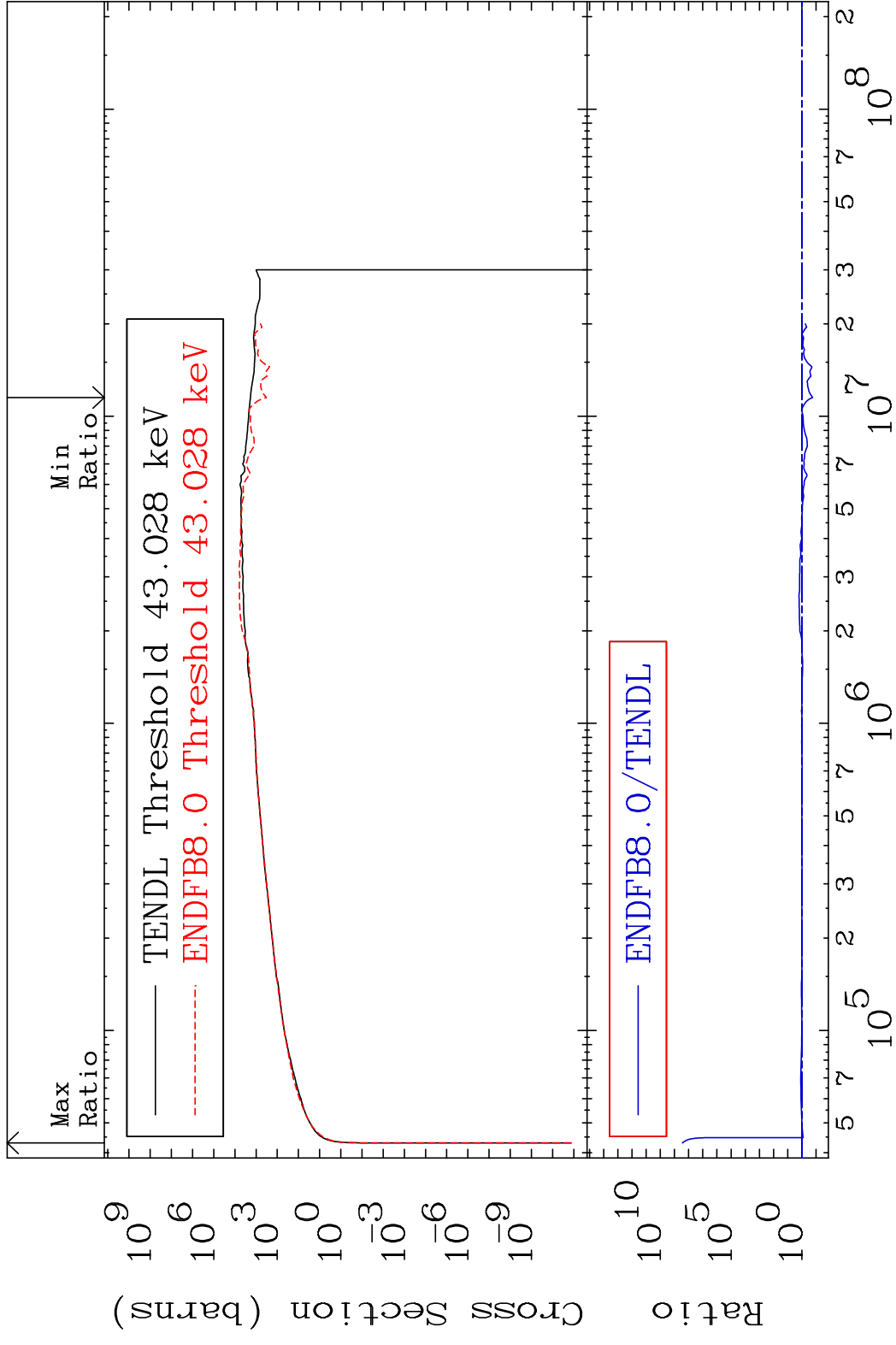
96-Cm-246
-61.80 To 56.75 %



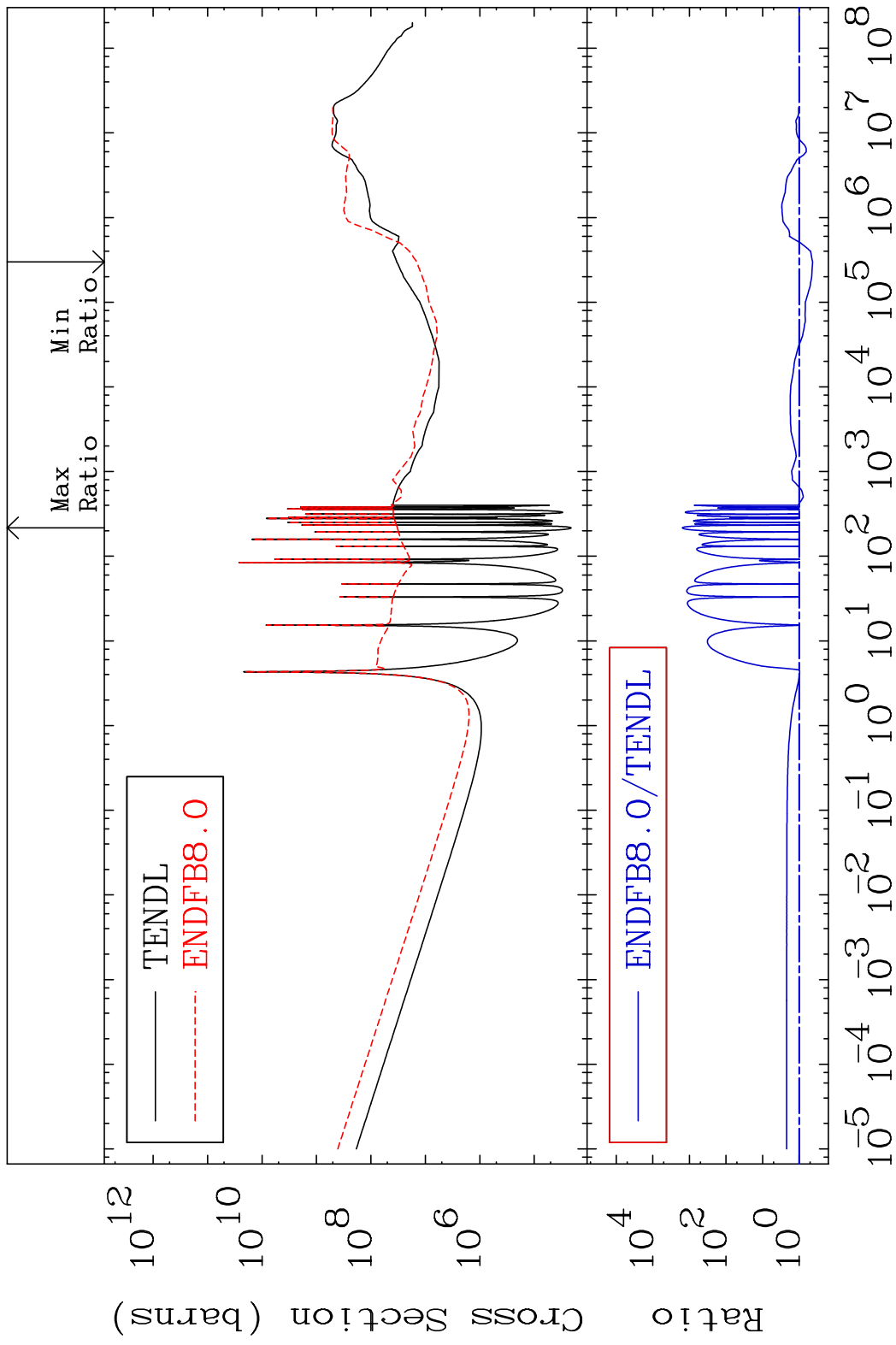
MAT 9643 Kerma non-elastic (all but mt2) 96-Cm-246
 Cross Section -56.94 To 9999. %



MAT 9643 Kerma inelastic (mt51-91) 96-Cm-246
 Cross Section -82.57 To 9999. %

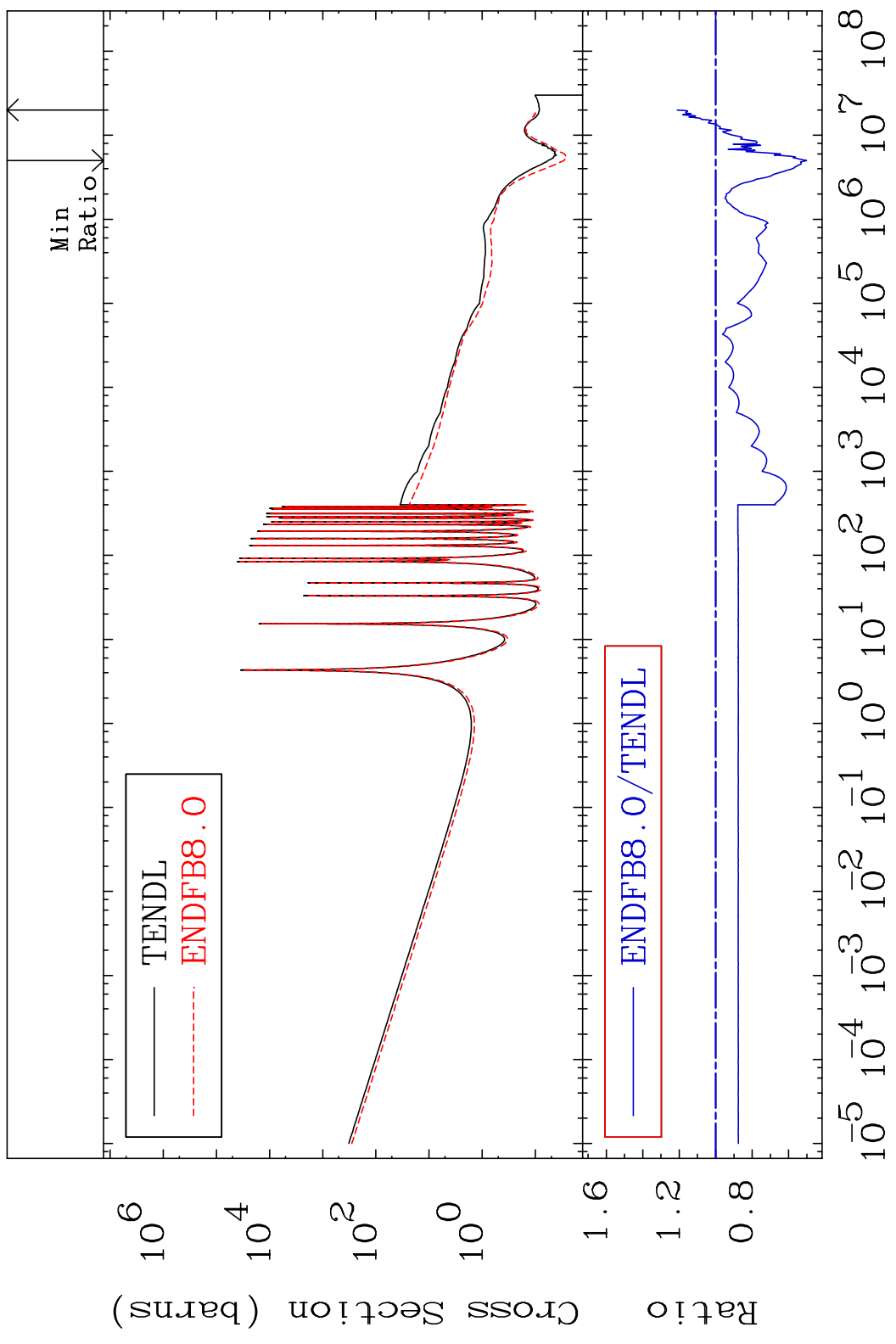


MAT 9643 Kerma fission (mt18 or mt19-20-21-38) 96-Cm-246
 Cross Section -56.95 To 9999. %



MAT 9643

Kerma capture (mt102) 96-Cm-246
Cross Section -49.77 To 21.12 %



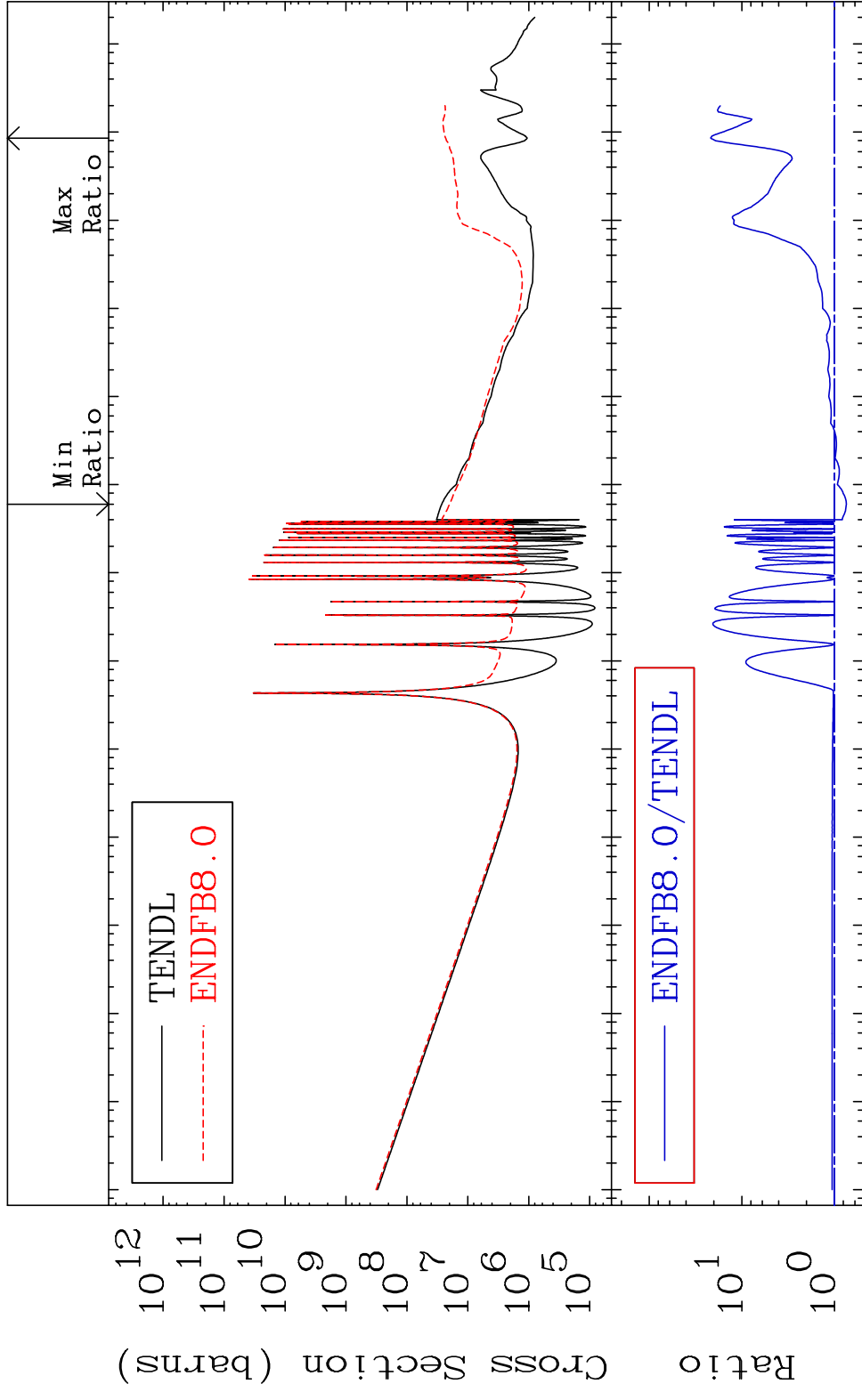
48

Incident Energy (eV)

96-Cm-246

MAT 9643

Total photon (eV-barns) 96-Cm-246
Cross Section -25.69 To 2067. %

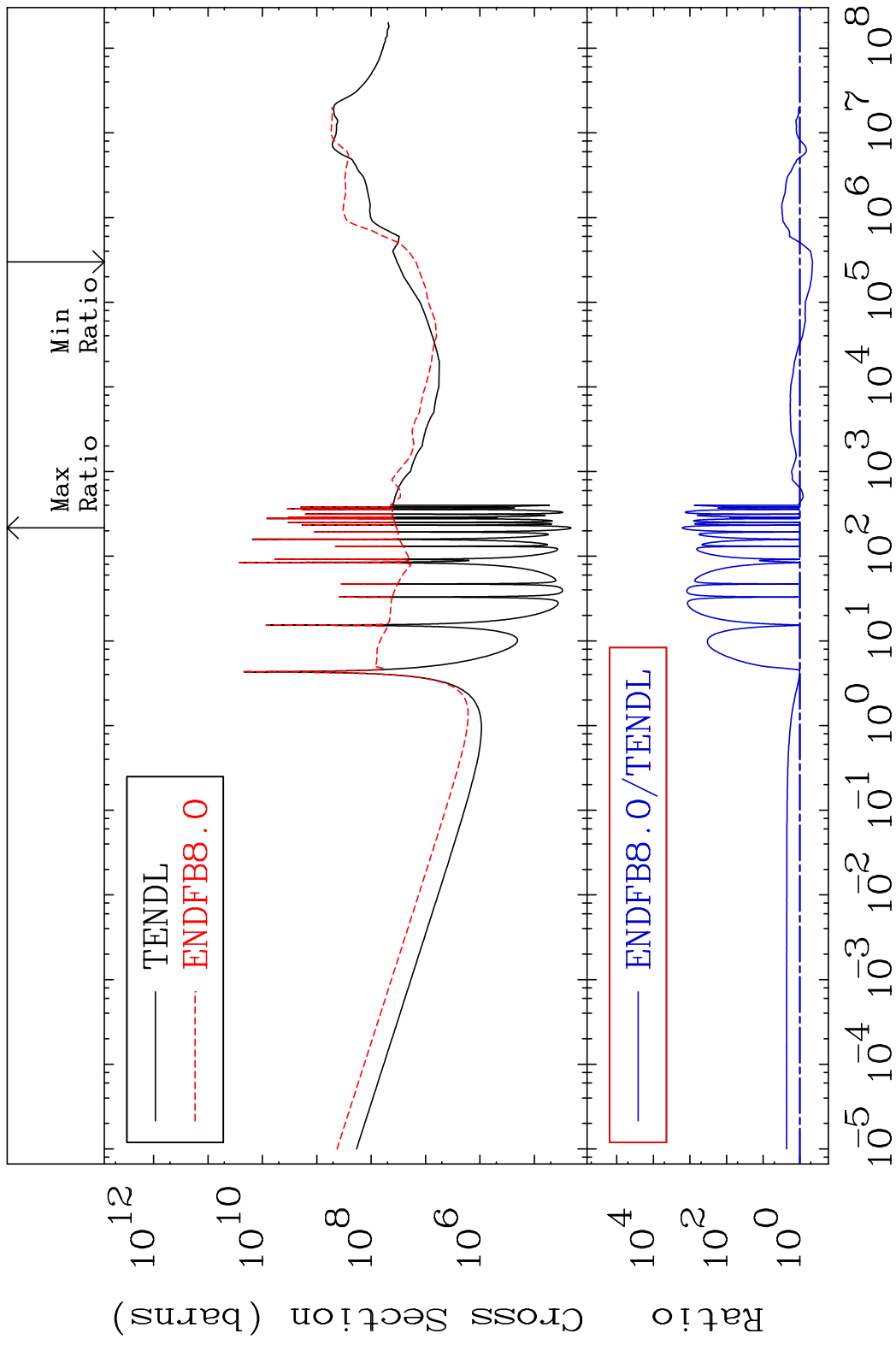


49

Incident Energy (eV)

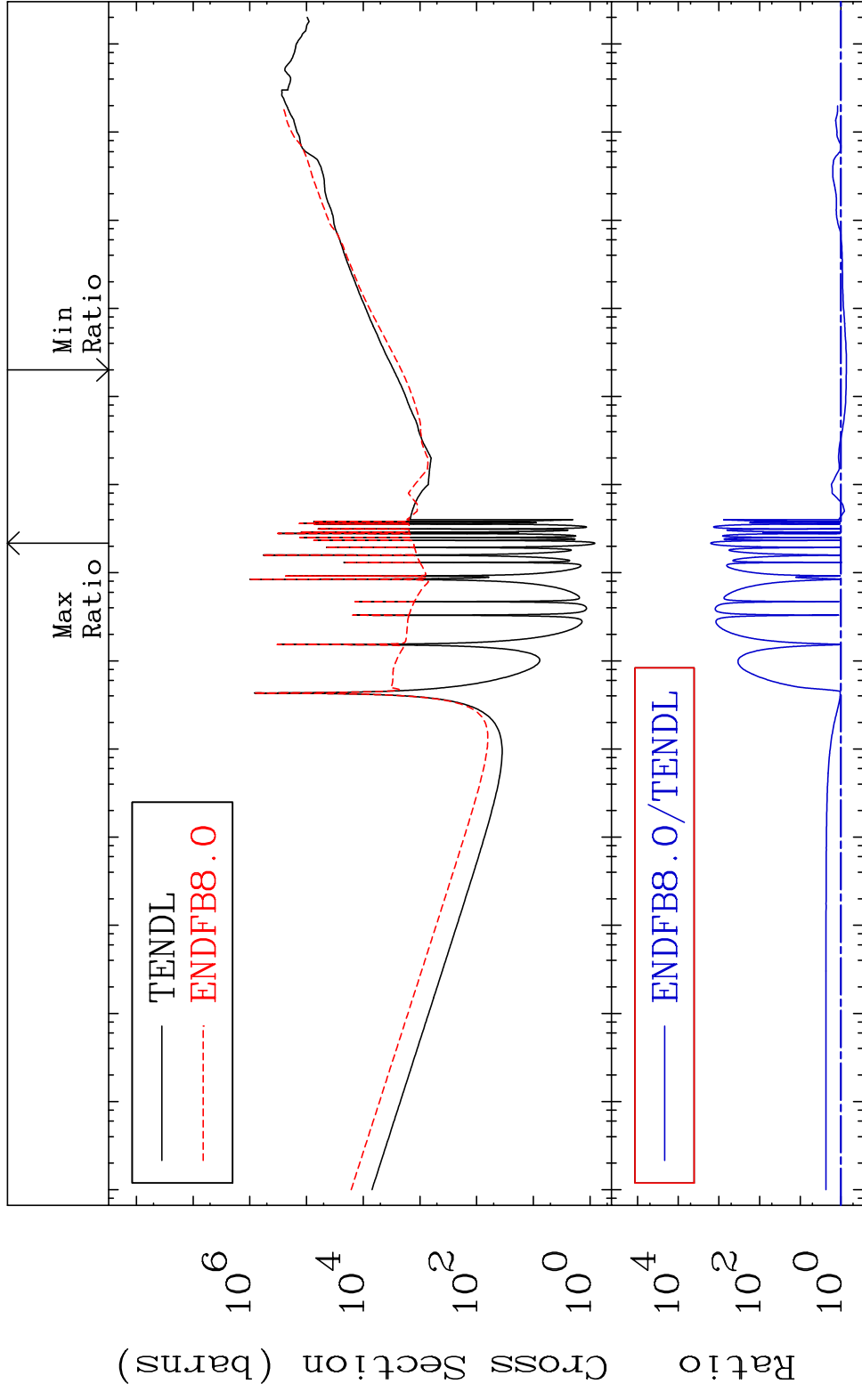
96-Cm-246

MAT 9643 Total kinematic kerma (high limit) 96-Cm-246
 Cross Section -55.07 To 9999. %



50 Incident Energy (eV) 96-Cm-246

MAT 9643 Dpa total (eV-barns) 96-Cm-246
 Cross Section -26.52 To 9999. %



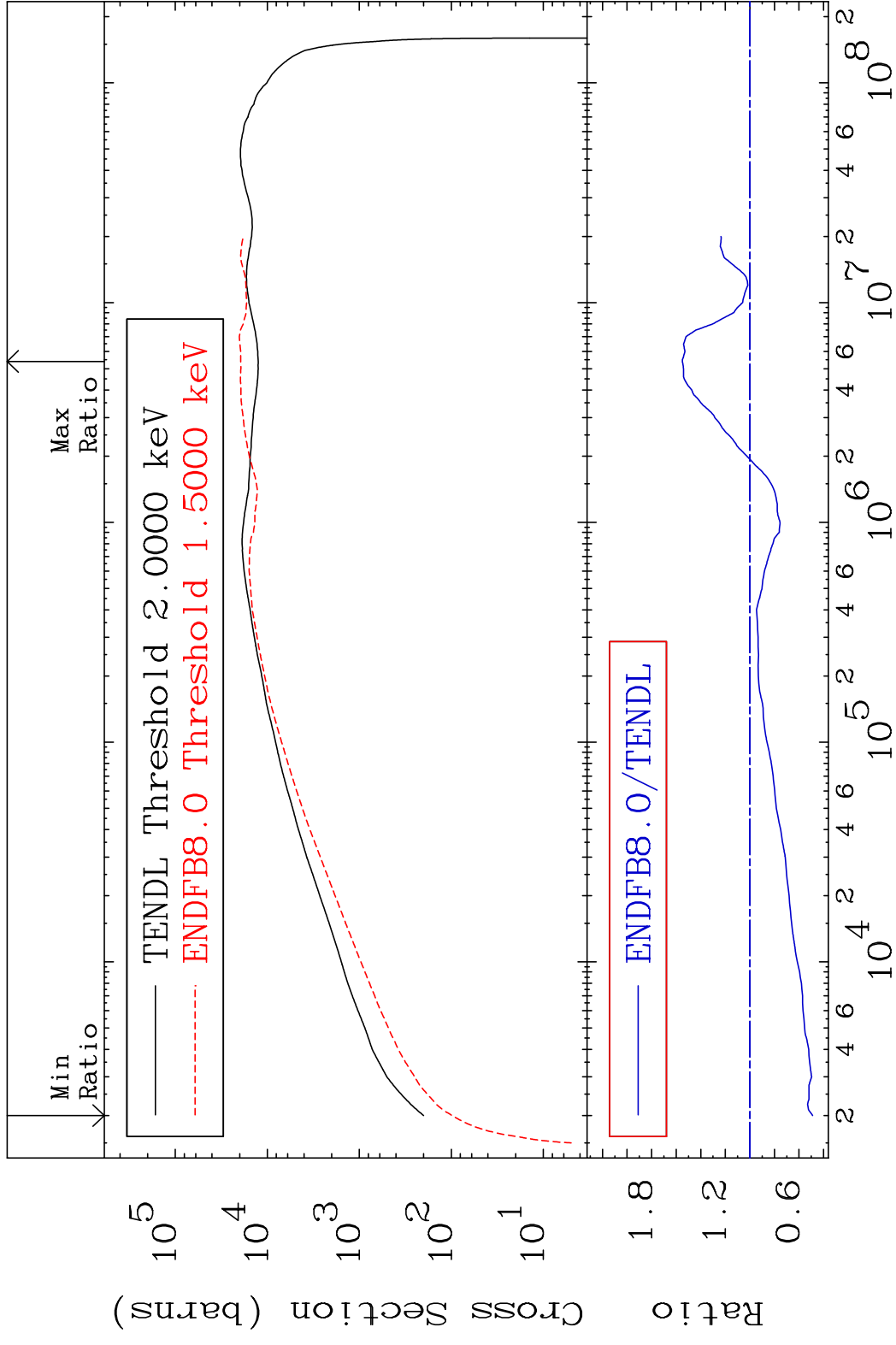
MAT 9643

Dpa elastic (mt2)

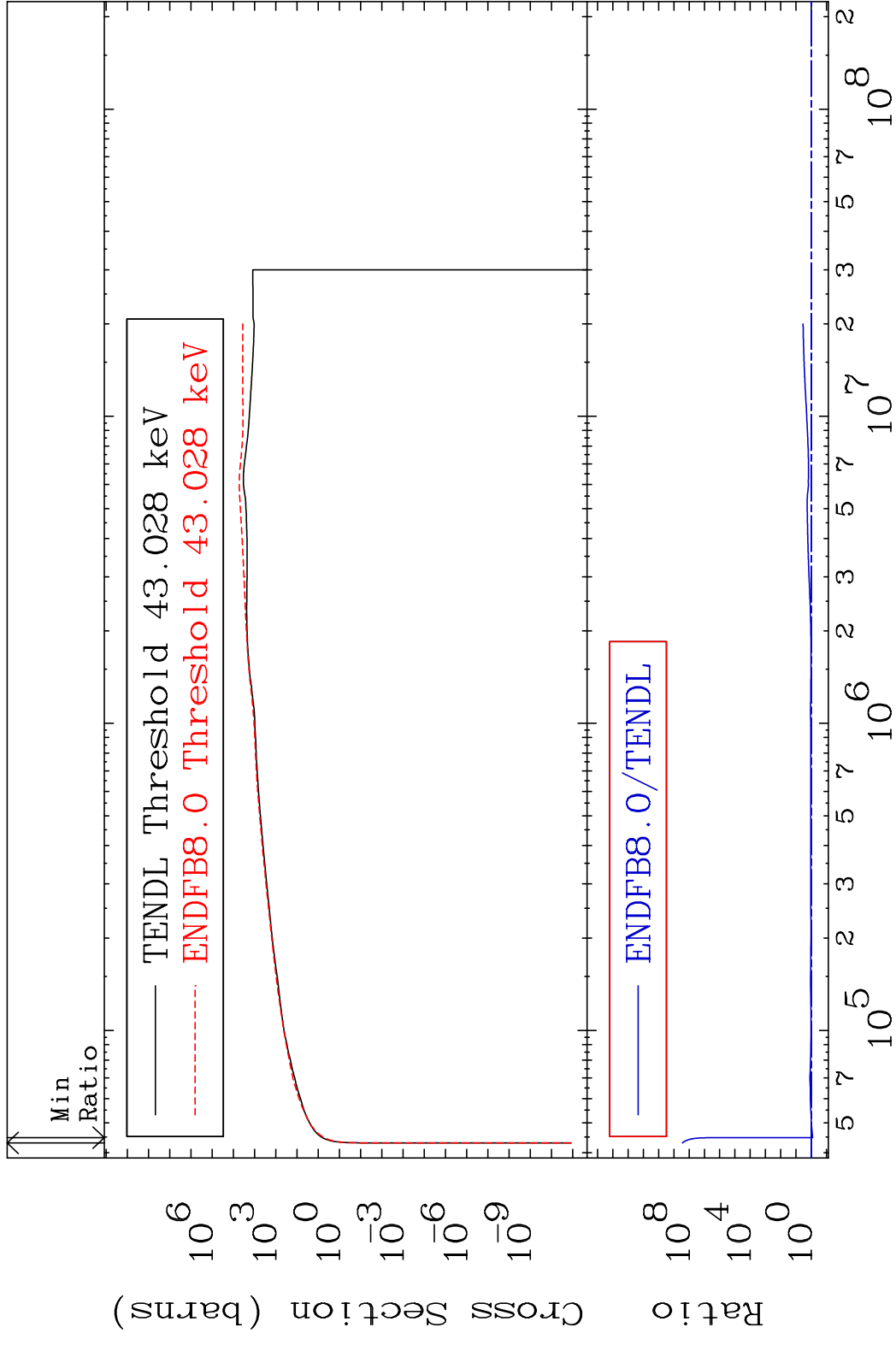
96-Cm-246

Cross Section

-51.02 To 54.98 %



MAT 9643 Dpa inelastic (mt51-91) 96-Cm-246
 Cross Section -17.57 To 9999. %



MAT 9643 Dpa disappearance (mt102 -120) 96-Cm-246
 Cross Section -99.99 To -16.86%

