

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 9640

96-Cm-245

-82.49 To 513.0 %

Total
Cross Section

Max
Ratio

Min
Ratio

— TENDL
- - - ENDFB8.0

— ENDFB8.0/TENDL

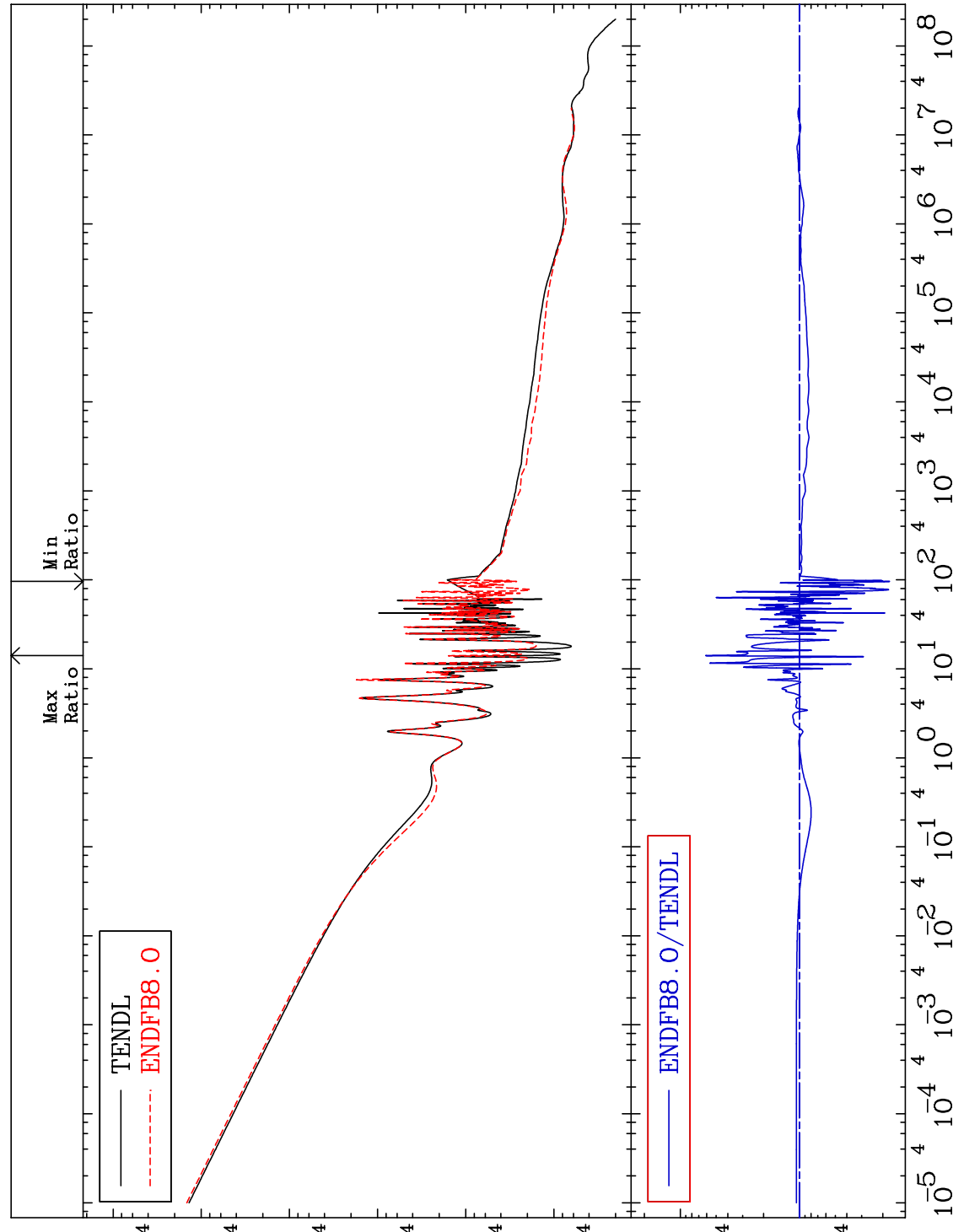
Cross Section (barns)

Ratio

1

Incident Energy (eV)

96-Cm-245



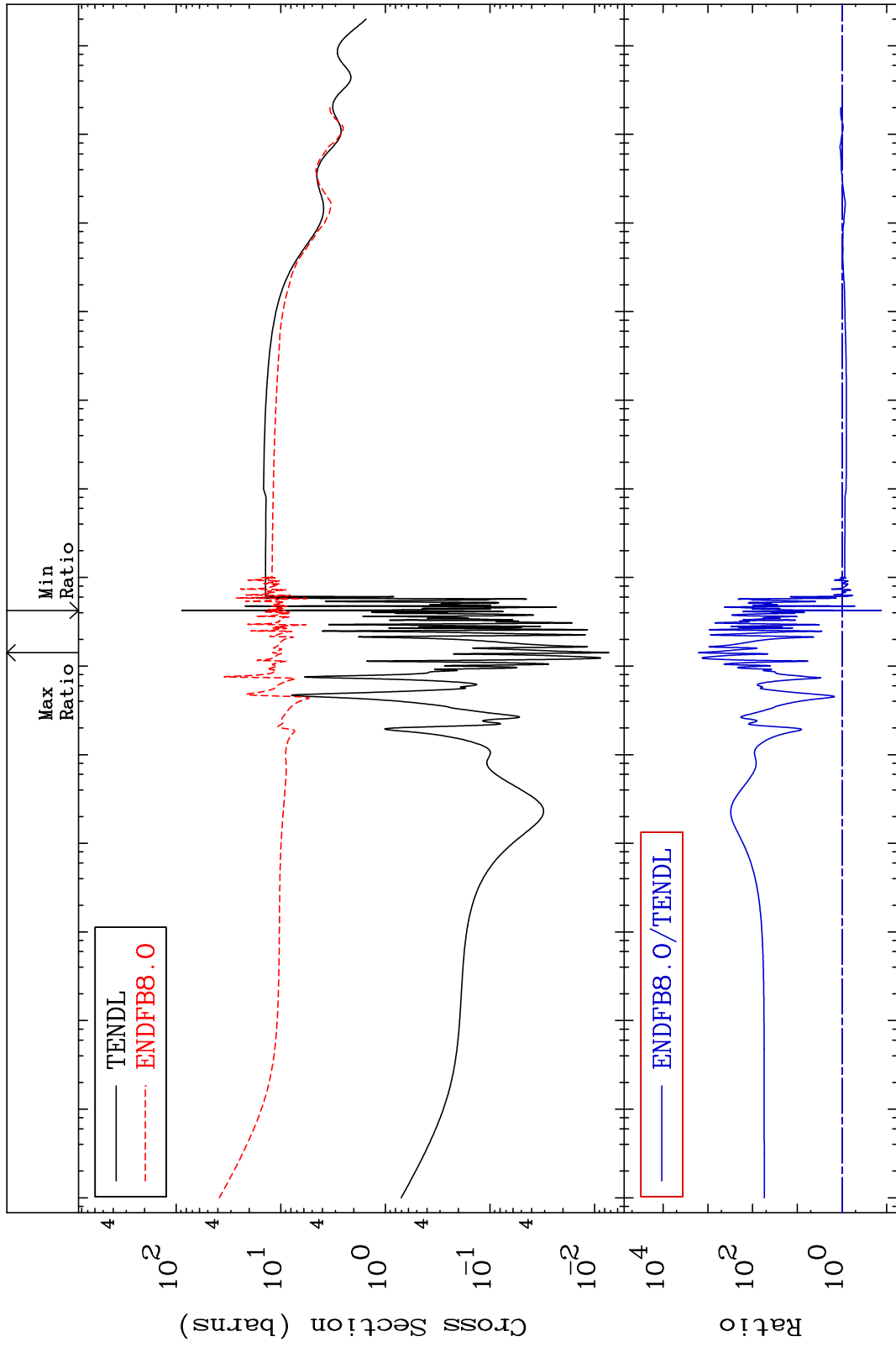
MAT 9640

Elastic

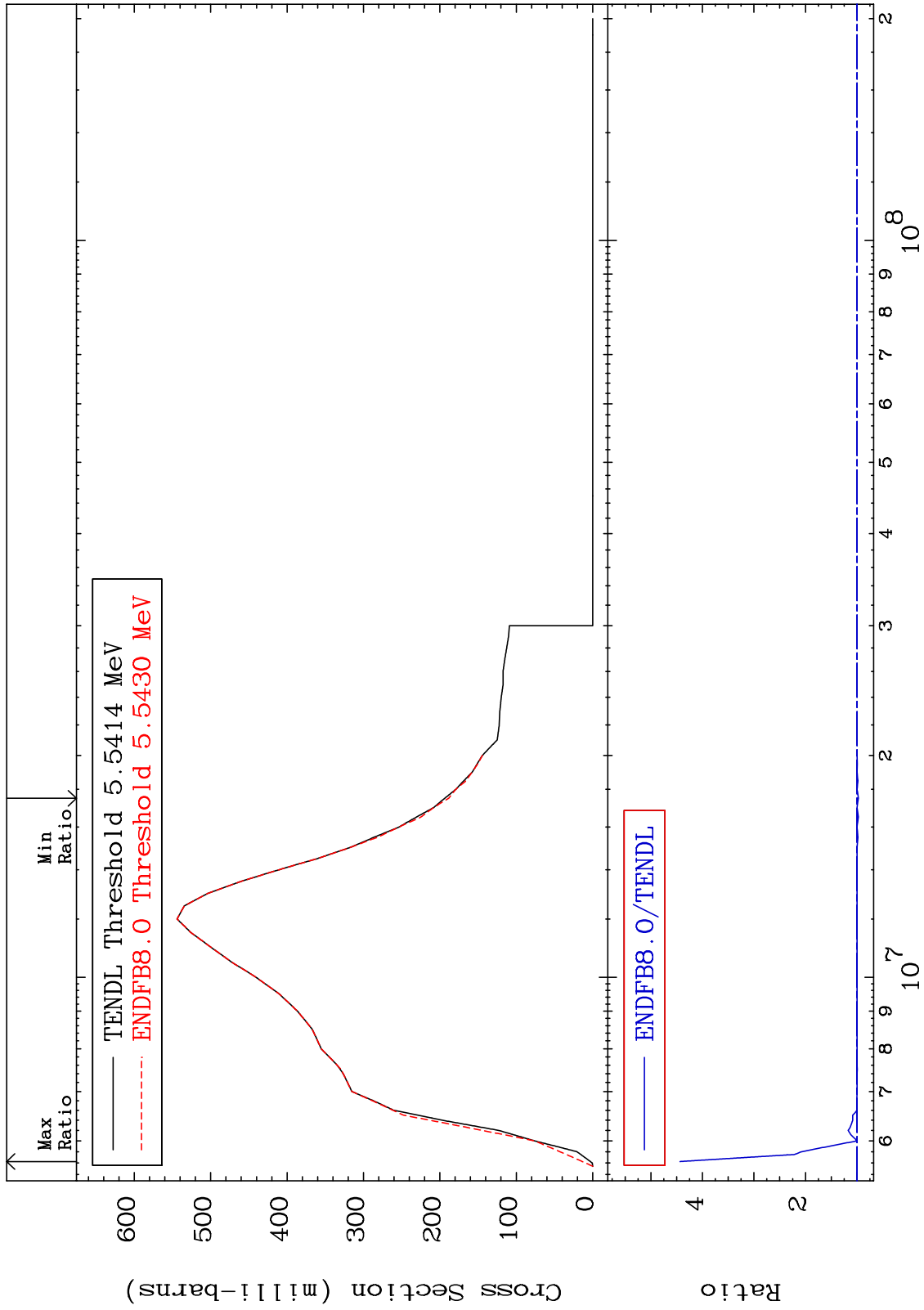
96-Cm-245

-86.96 To 9999. %

Cross Section



MAT 9640 (n,2n) Cross Section 96-Cm-245 -2.647 To 343.5 %



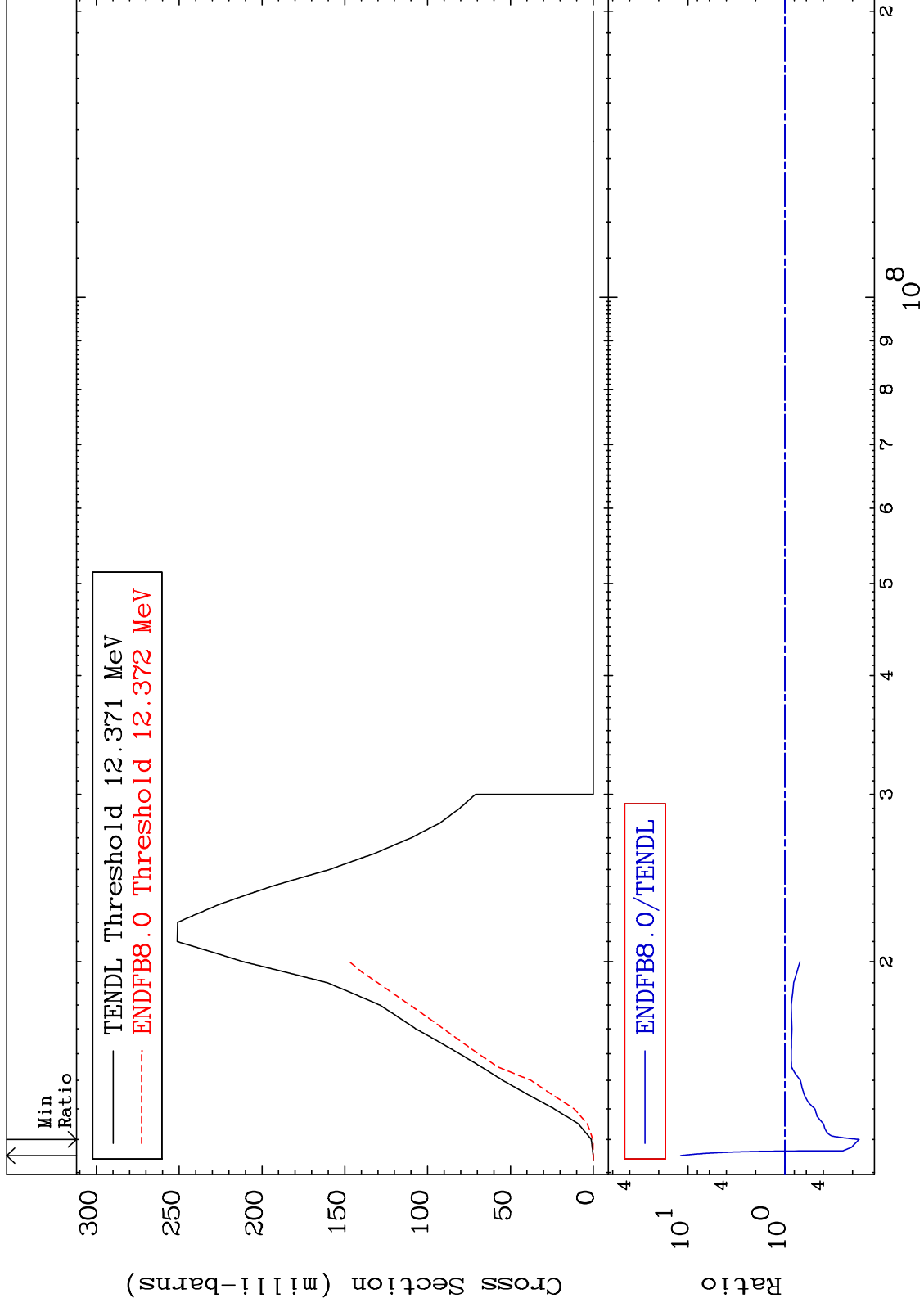
MAT 9640

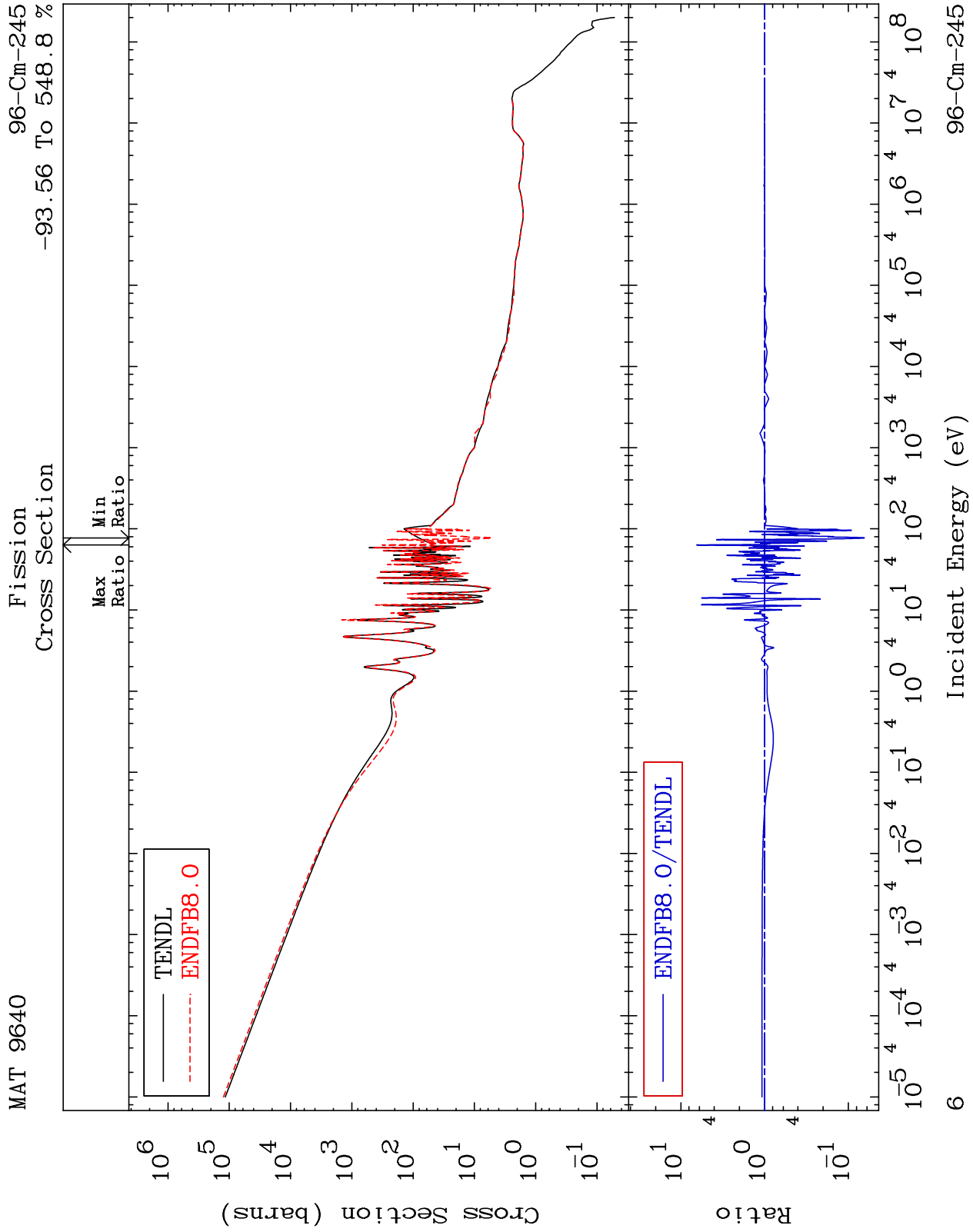
(n, 3n)

96-Cm-245

Cross Section

-82.93 To 1090. %

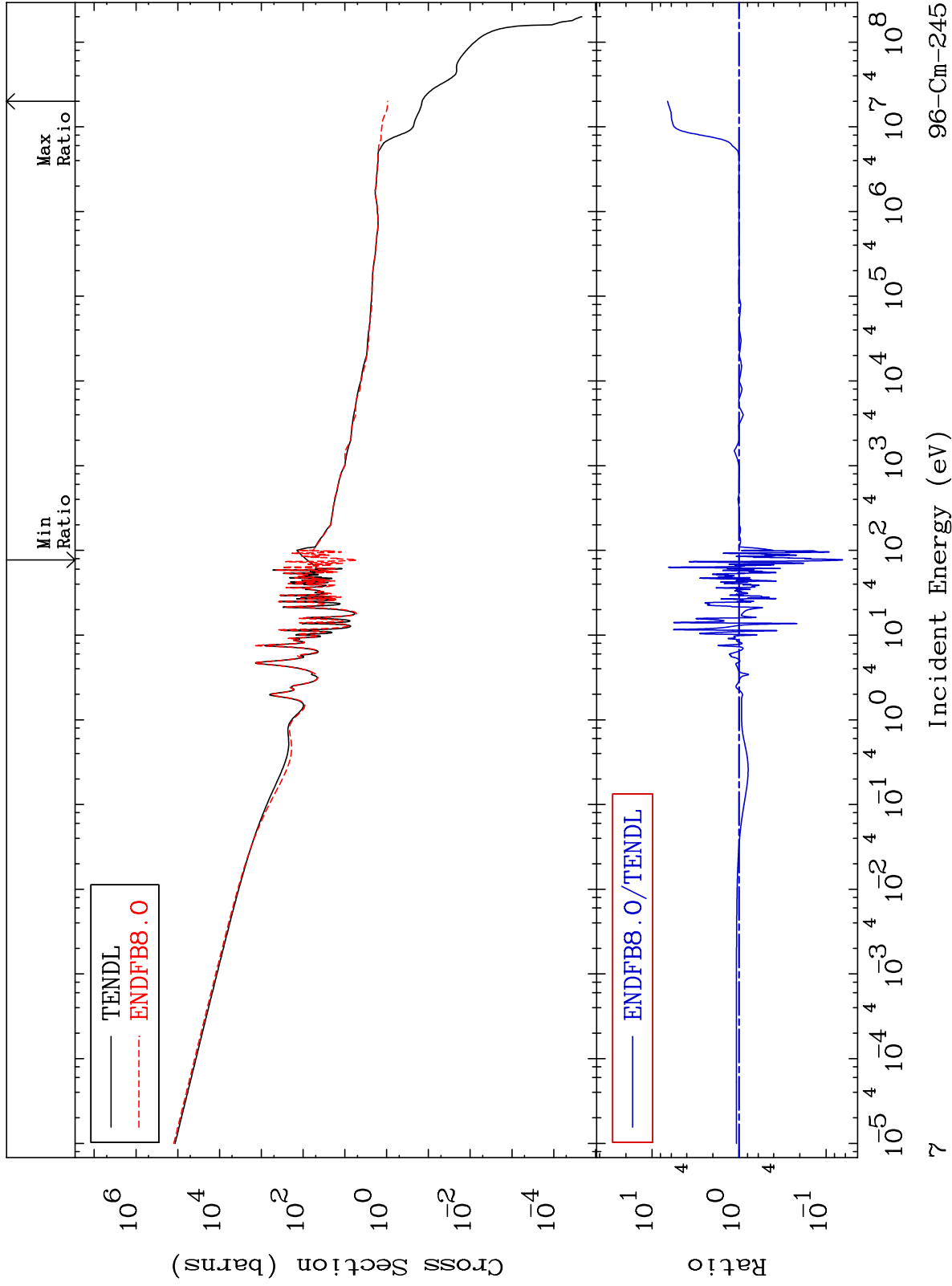




MAT 9640

(n,f) First Chance
Cross Section

96-Cm-245
-93.56 To 563.9 %

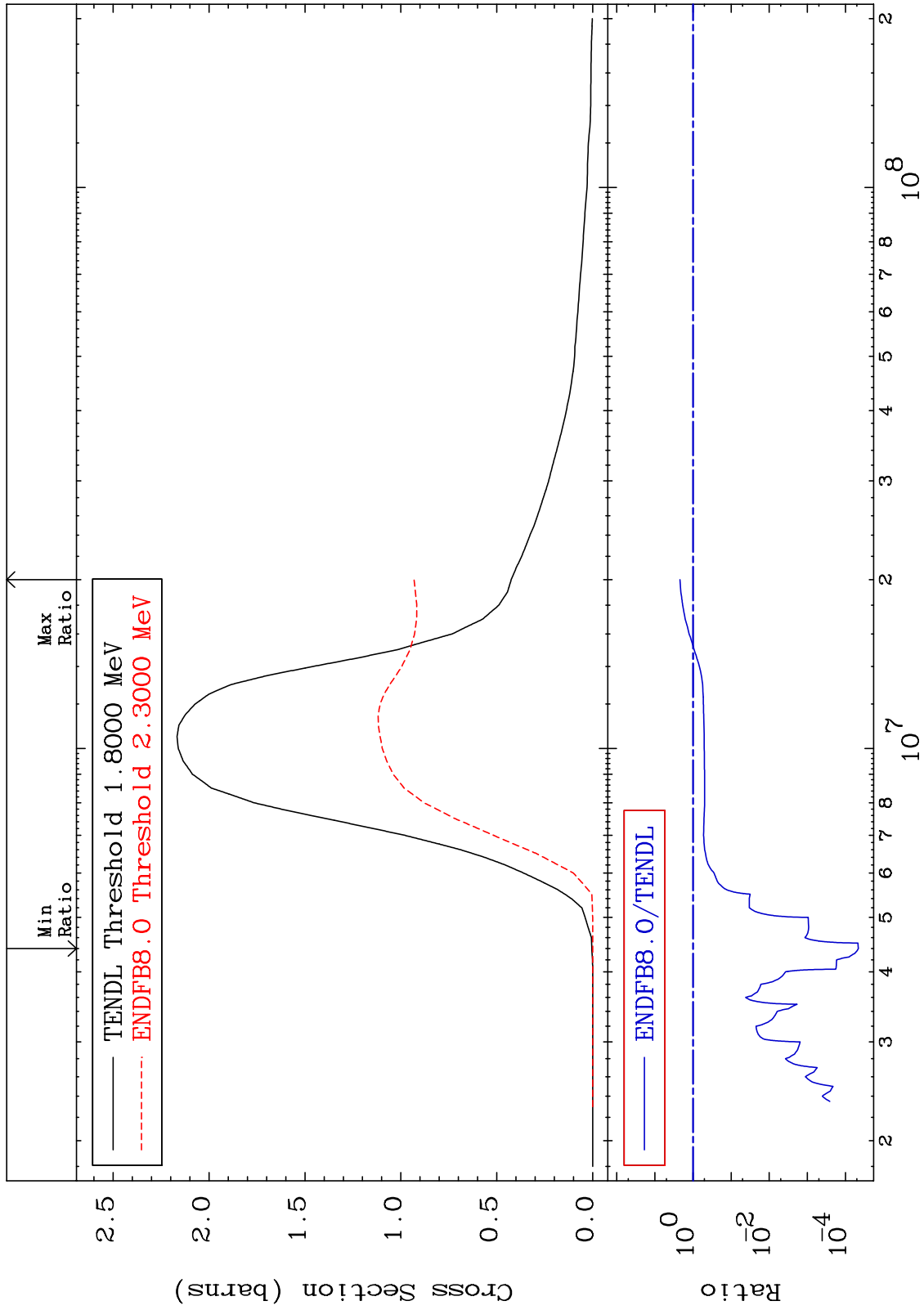


96-Cm-245

MAT 9640

(n, nf) Second Chance
Cross Section

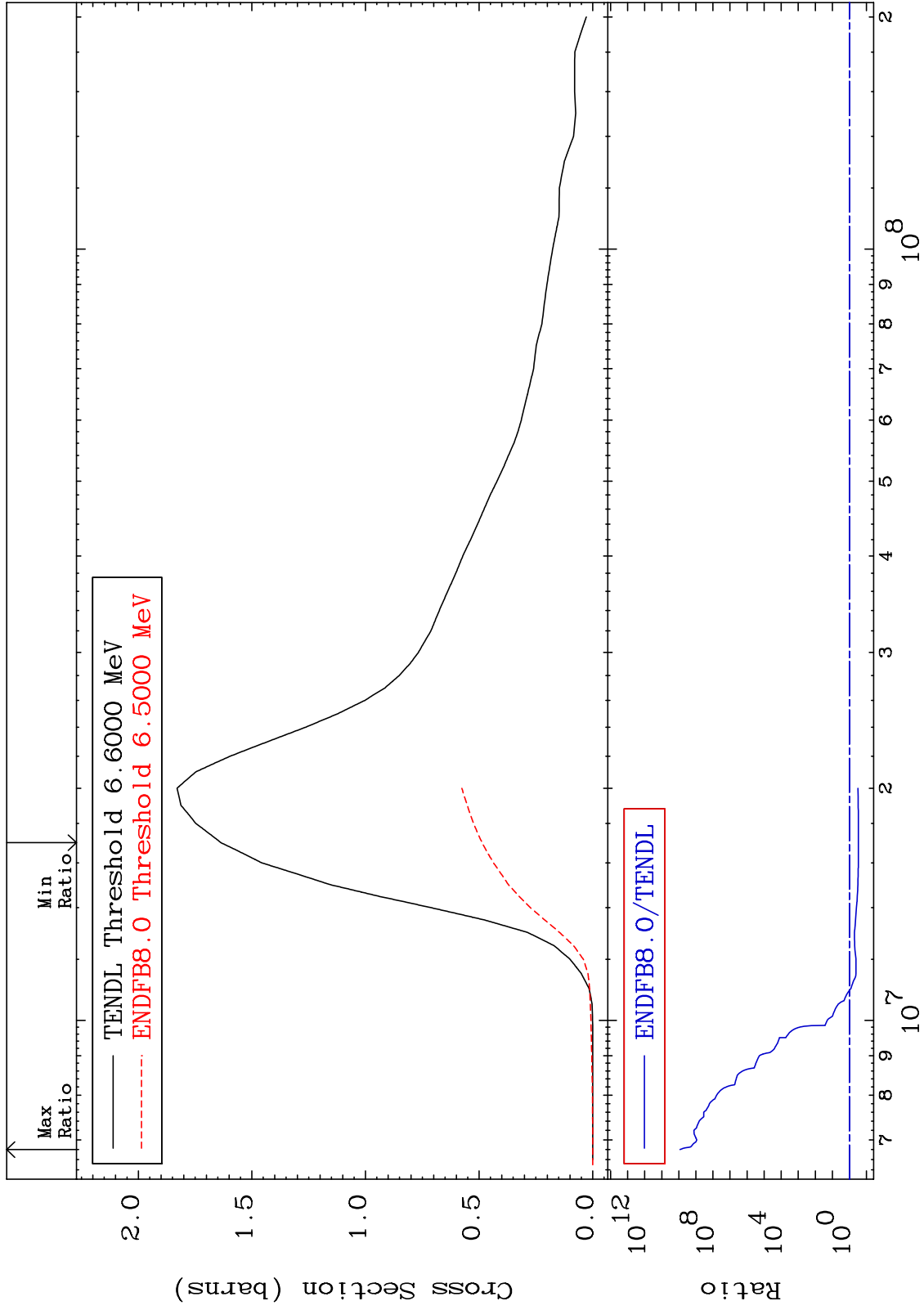
96-Cm-245
-100.0 To 119.3 %



MAT 9640

(n,2nf) Third Chance
Cross Section

96-Cm-245
-70.24 To 9999. %



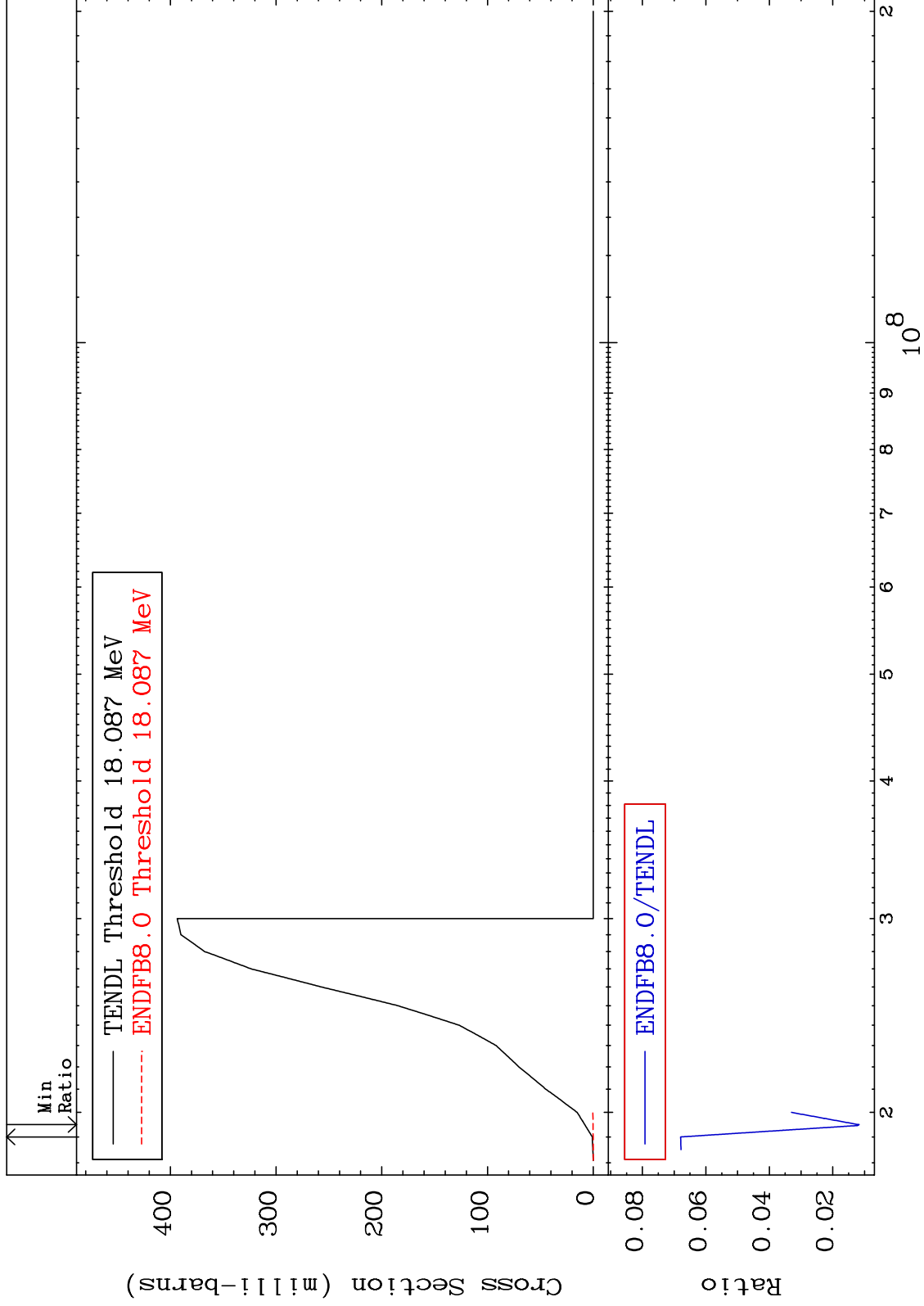
MAT 9640

(n, 4n)

96-Cm-245

Cross Section

-98.83 To -93.20%



10

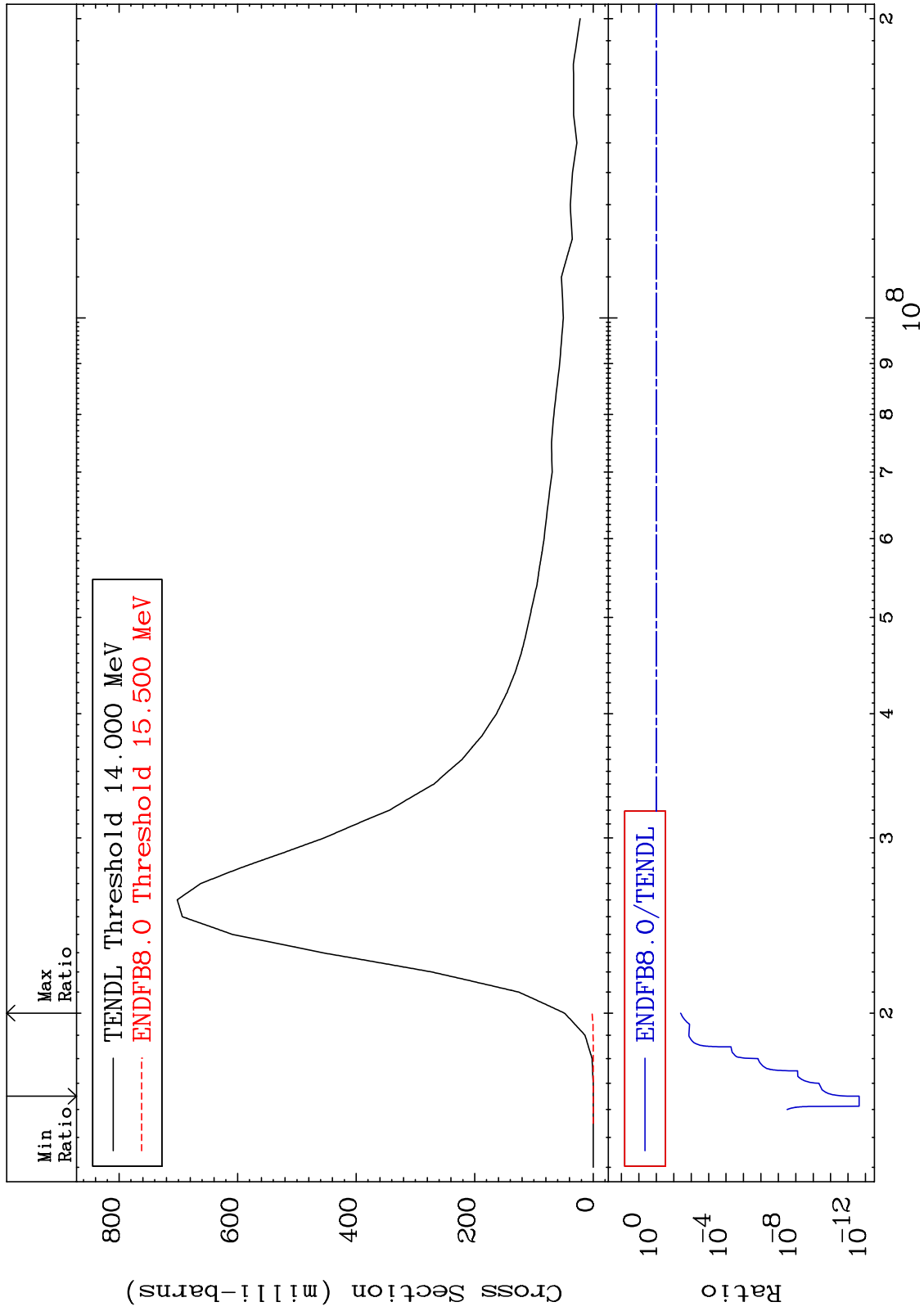
Incident Energy (eV)

96-Cm-245

MAT 9640

(n,3nf) Fourth Chance
Cross Section

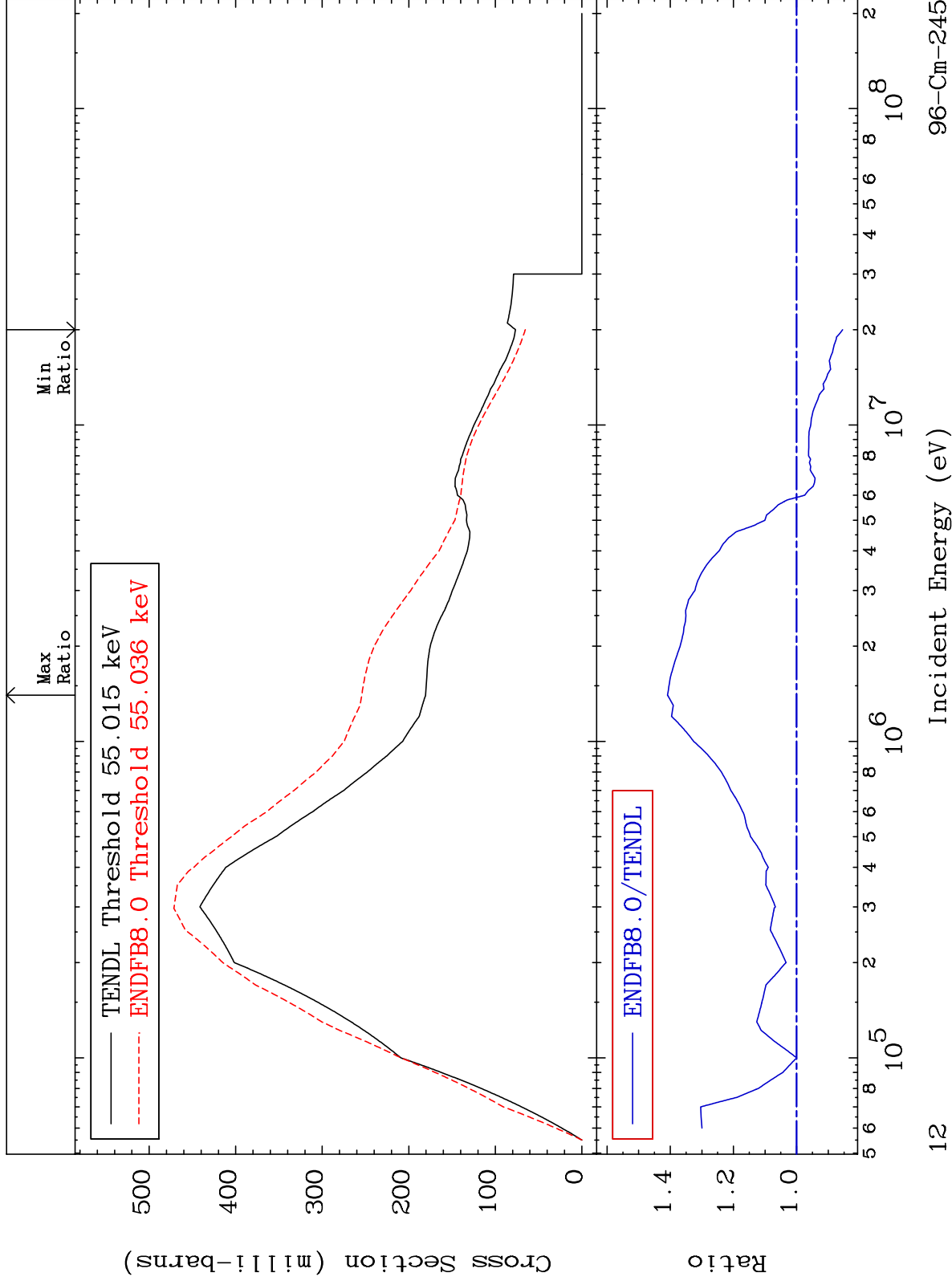
96-Cm-245
-100.0 To -95.95%



MAT 9640

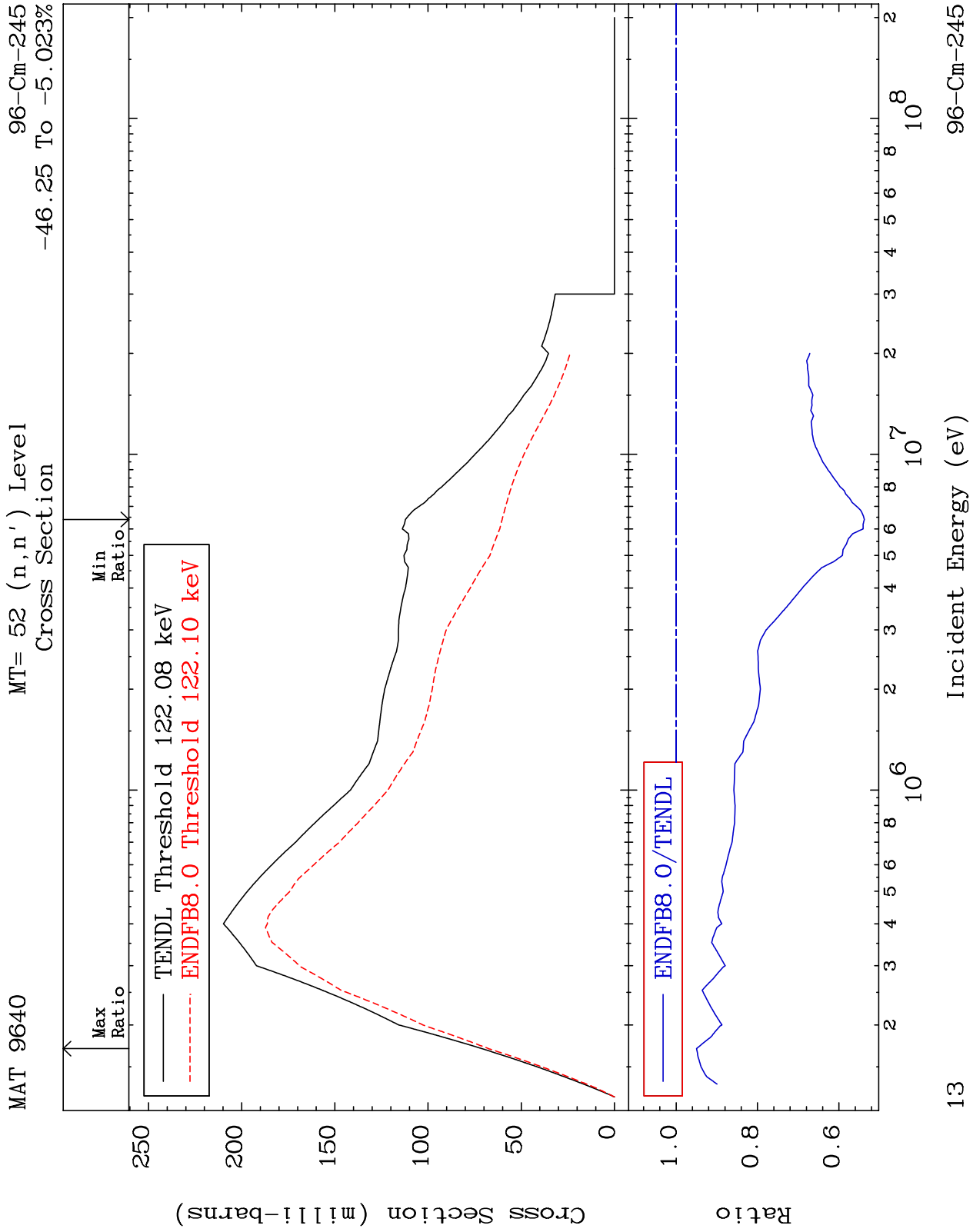
MT= 51 (n,n') Level
Cross Section

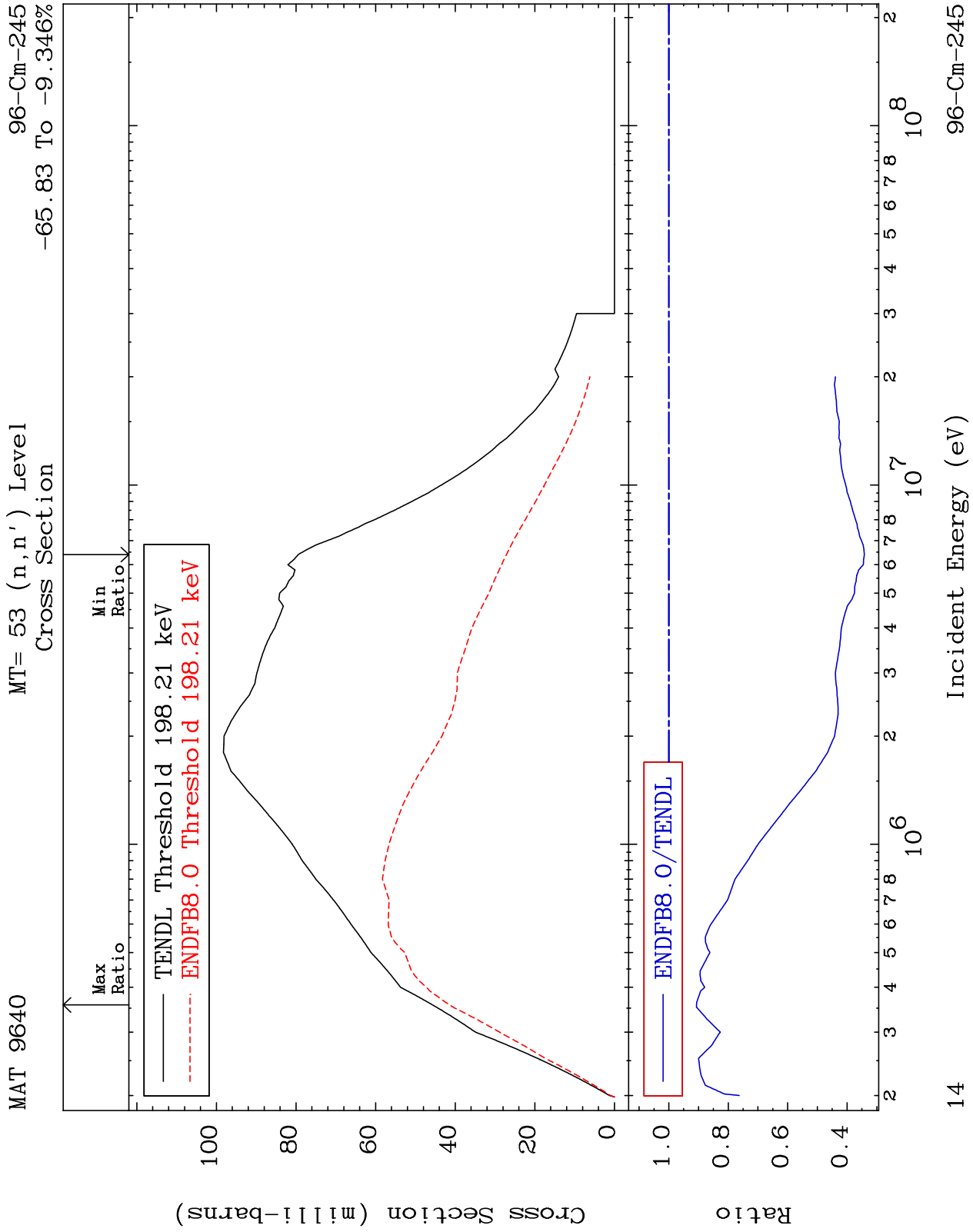
96-Cm-245
-14.57 To 40.86 %



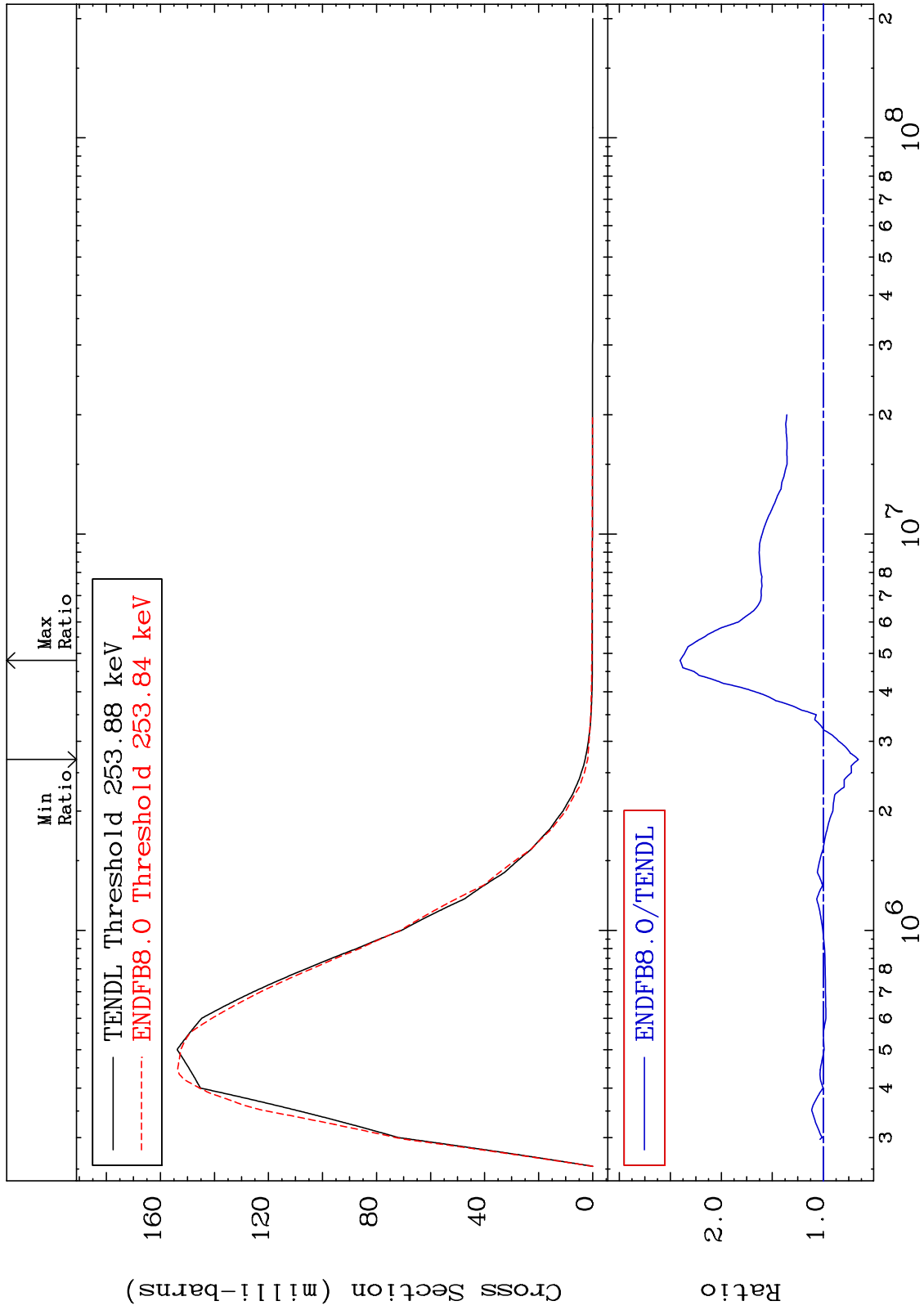
12

96-Cm-245

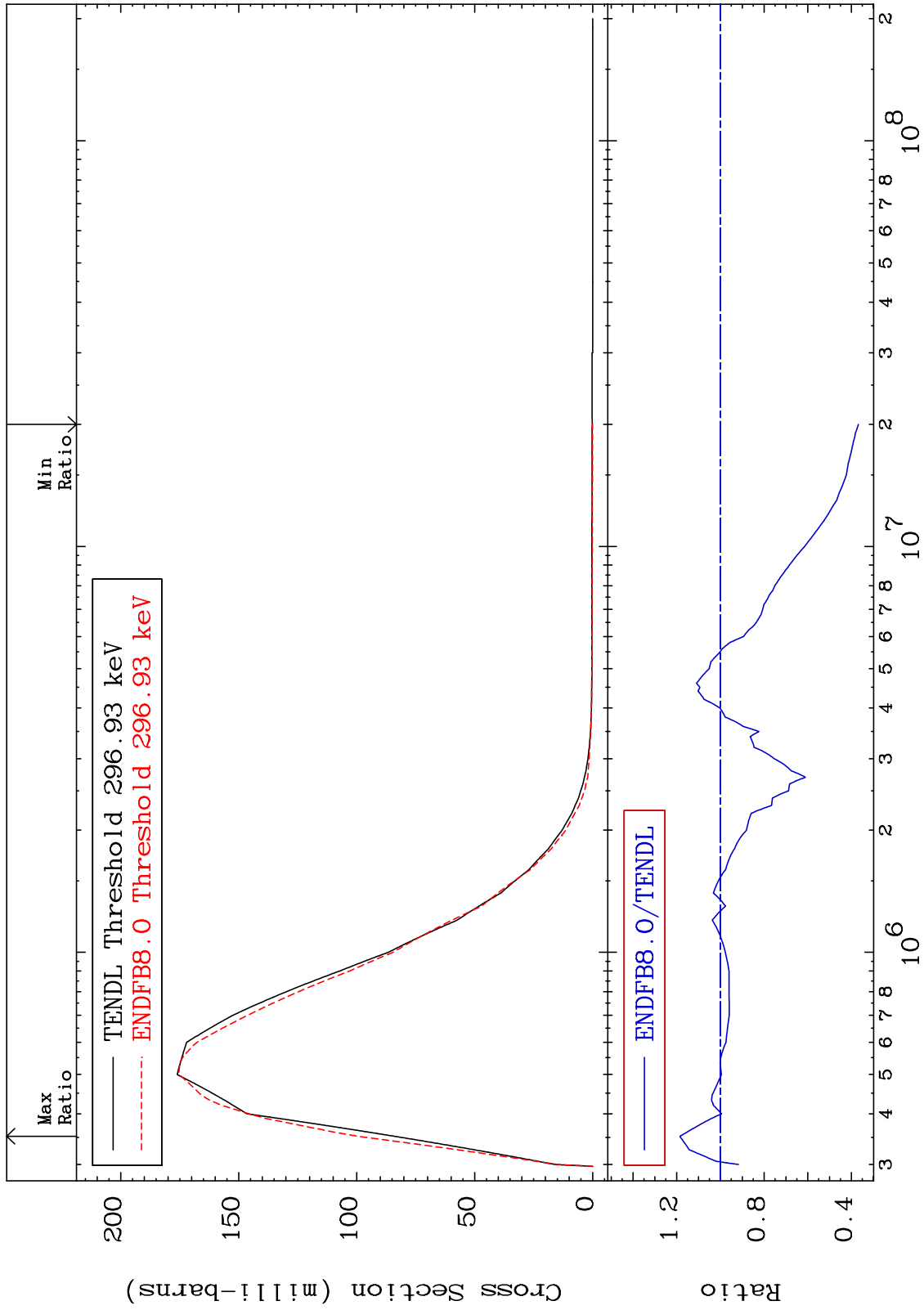




MAT 9640 MT= 54 (n,n') Level Cross Section 96-Cm-245
-34.46 To 140.5 %



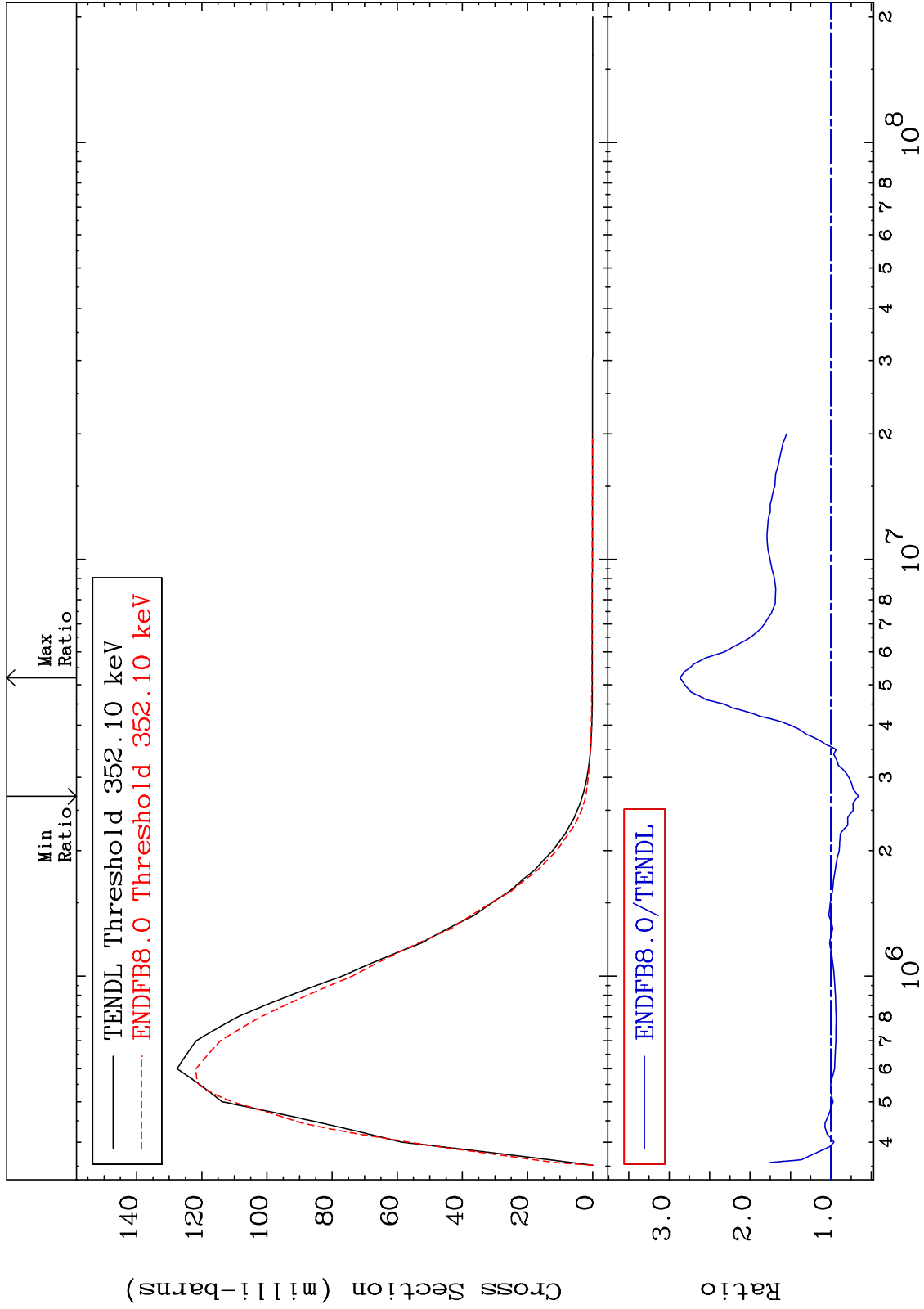
MAT 9640 MT= 55 (n,n') Level Cross Section 96-Cm-245
-63.20 To 18.48 %



MAT 9640

MT= 56 (n,n') Level
Cross Section

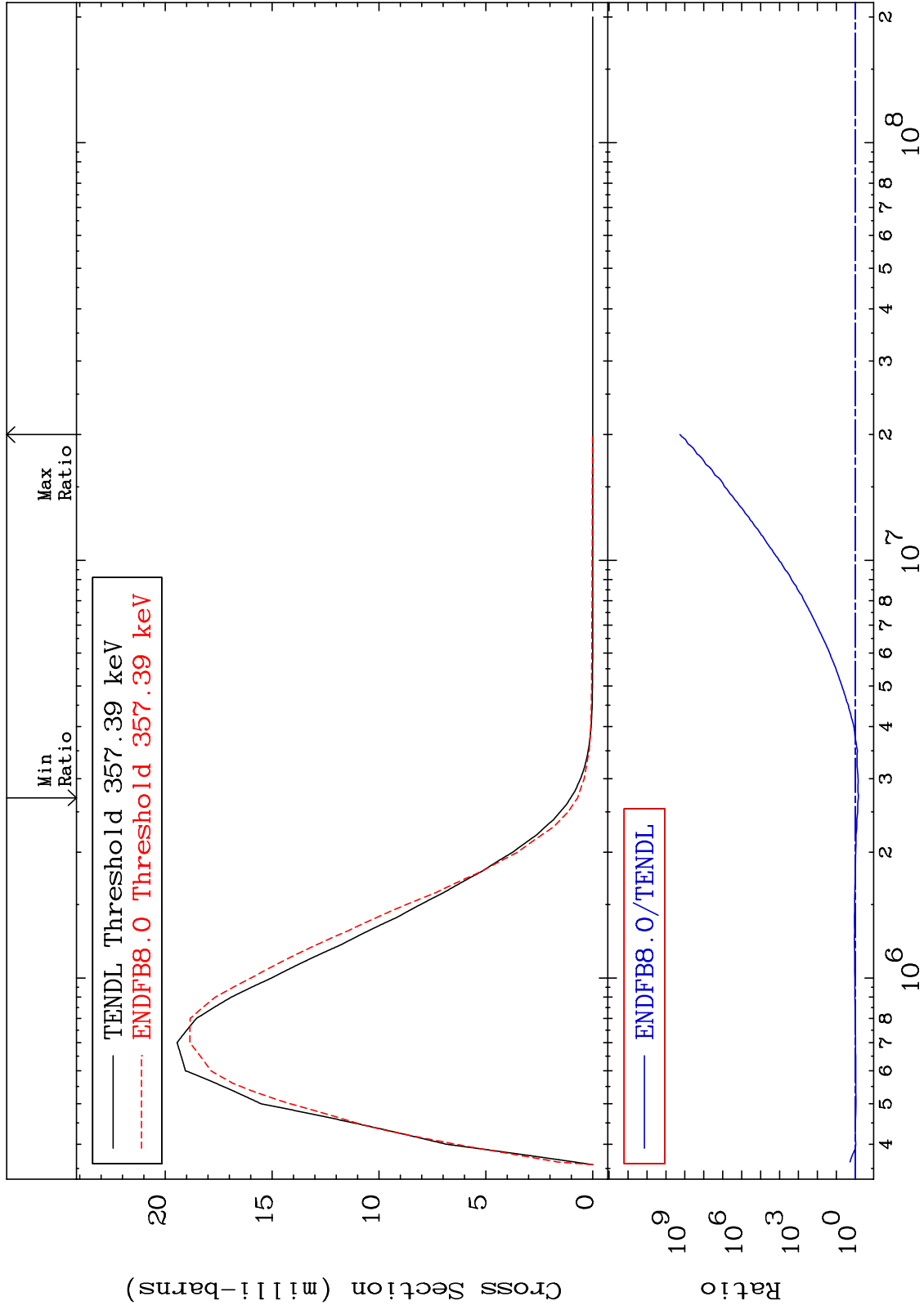
96-Cm-245
-34.07 To 186.6 %



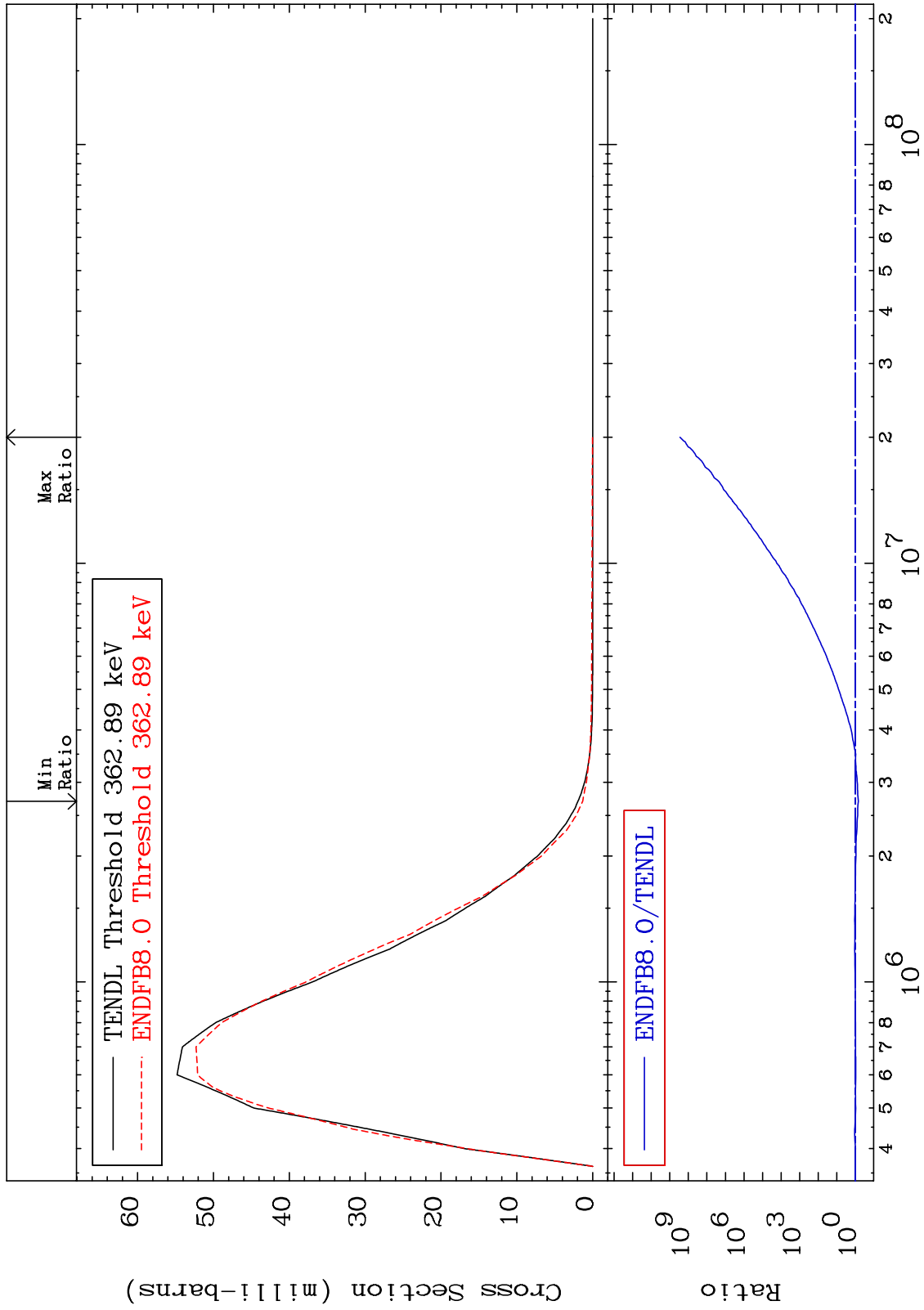
MAT 9640

MT= 57 (n,n') Level
Cross Section

96-Cm-245
-31.69 To 9999. %



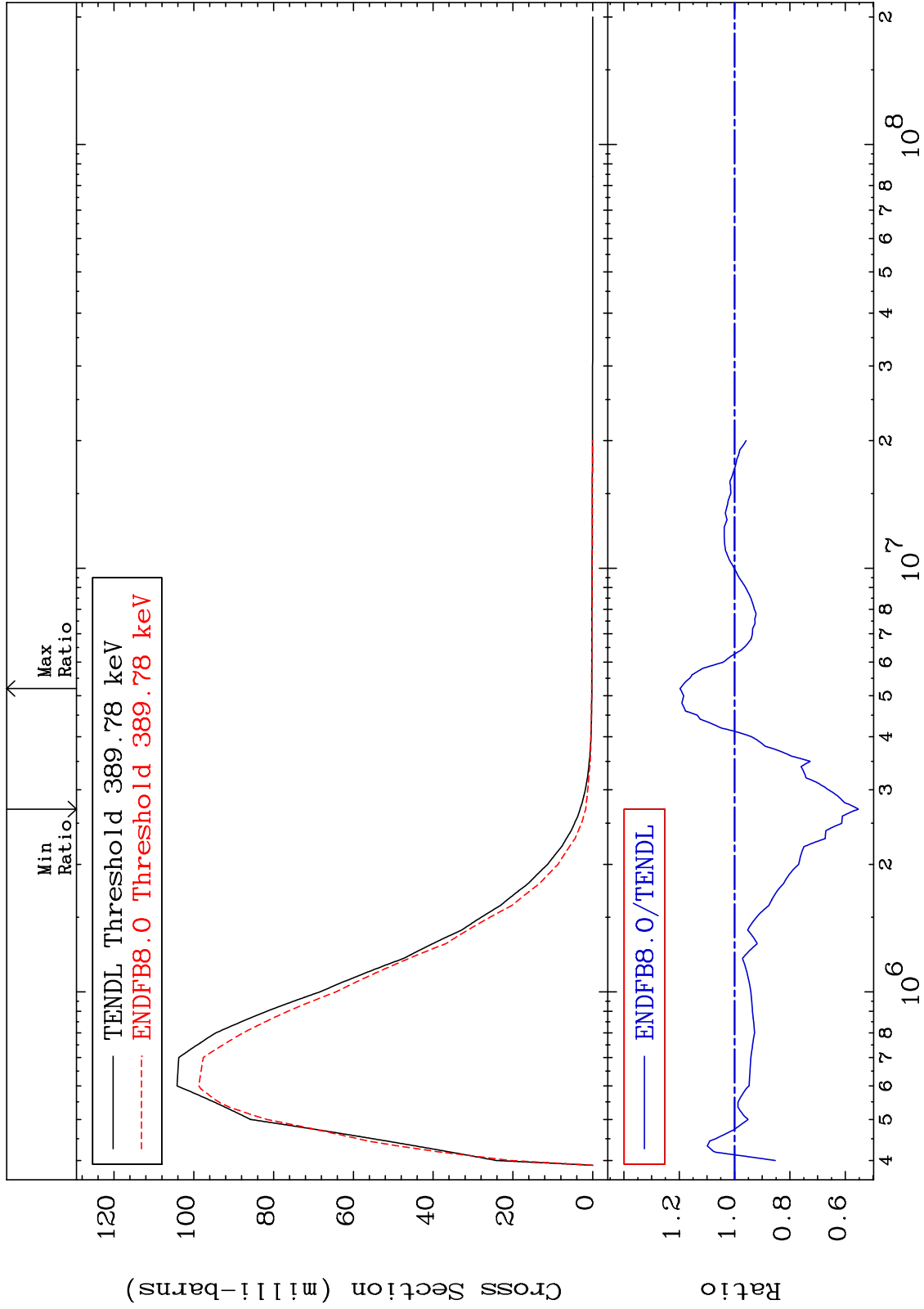
MAT 9640 MT= 58 (n,n') Level Cross Section 96-Cm-245
 -31.89 To 9999. %



MAT 9640

MT= 59 (n,n') Level
Cross Section

96-Cm-245
-44.74 To 19.73 %



20

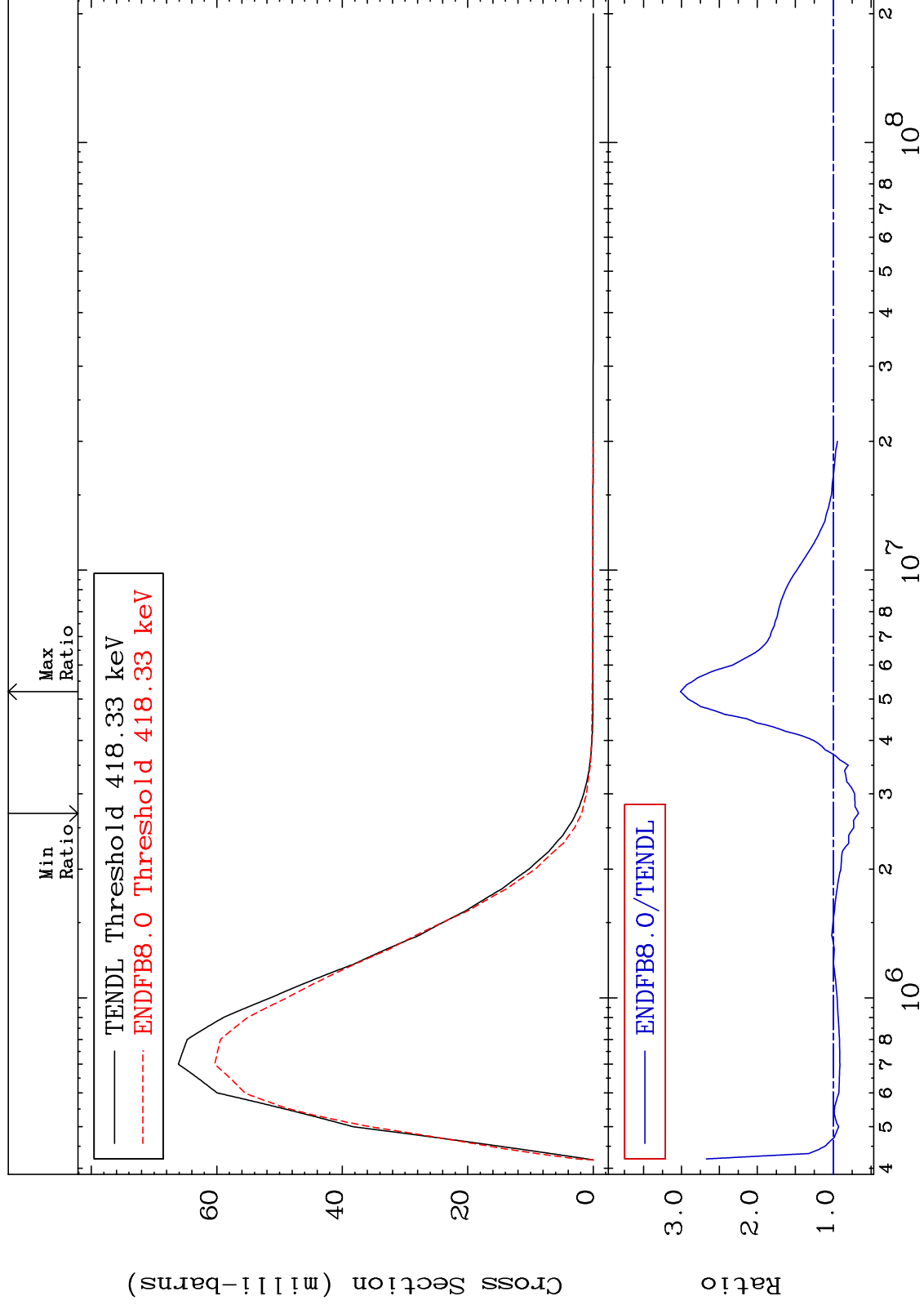
Incident Energy (eV)

96-Cm-245

MAT 9640

MT= 60 (n,n') Level
Cross Section

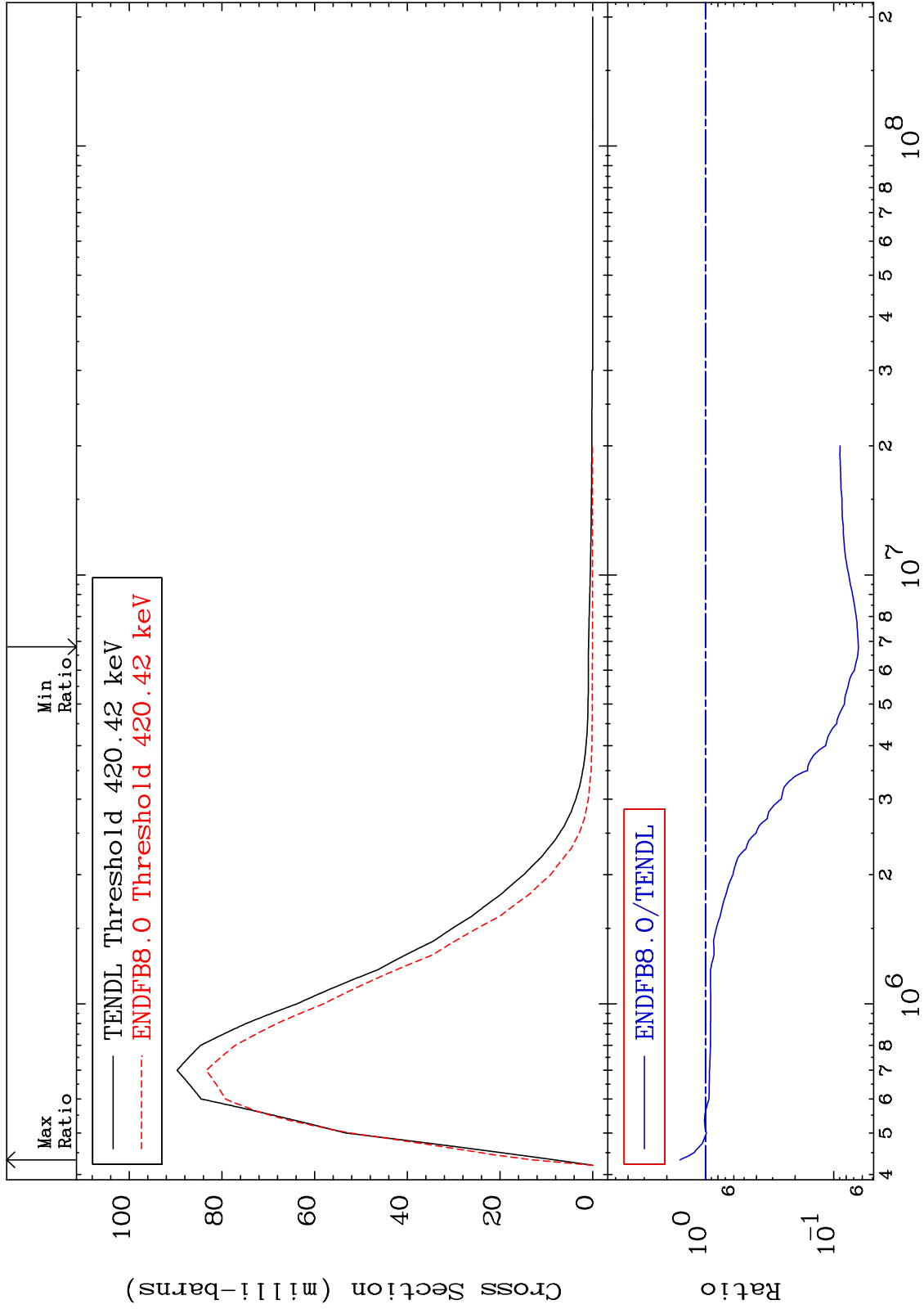
96-Cm-245
-33.34 To 201.3 %



MAT 9640

MT= 61 (n,n') Level
Cross Section

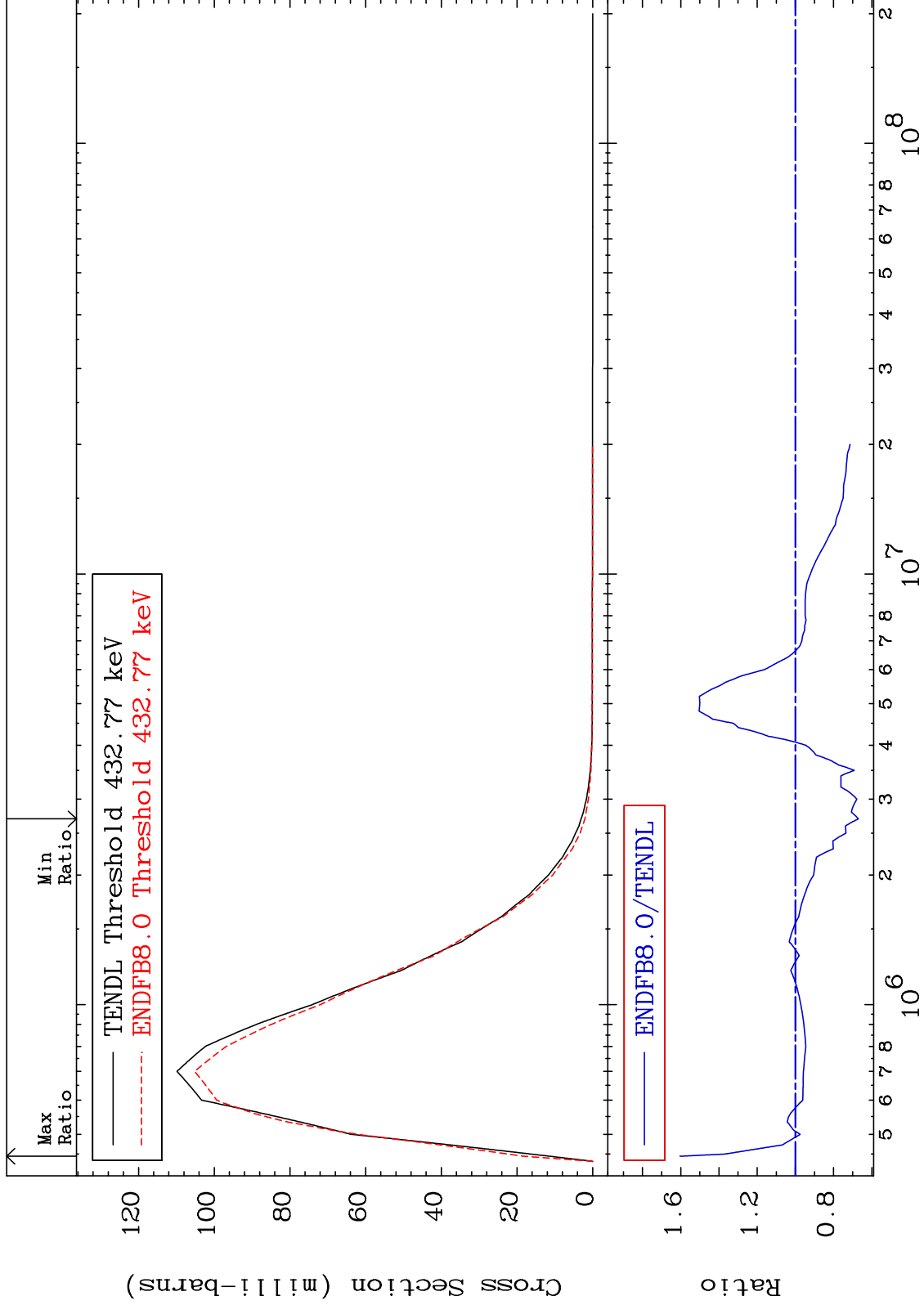
96-Cm-245
-93.57 To 57.70 %



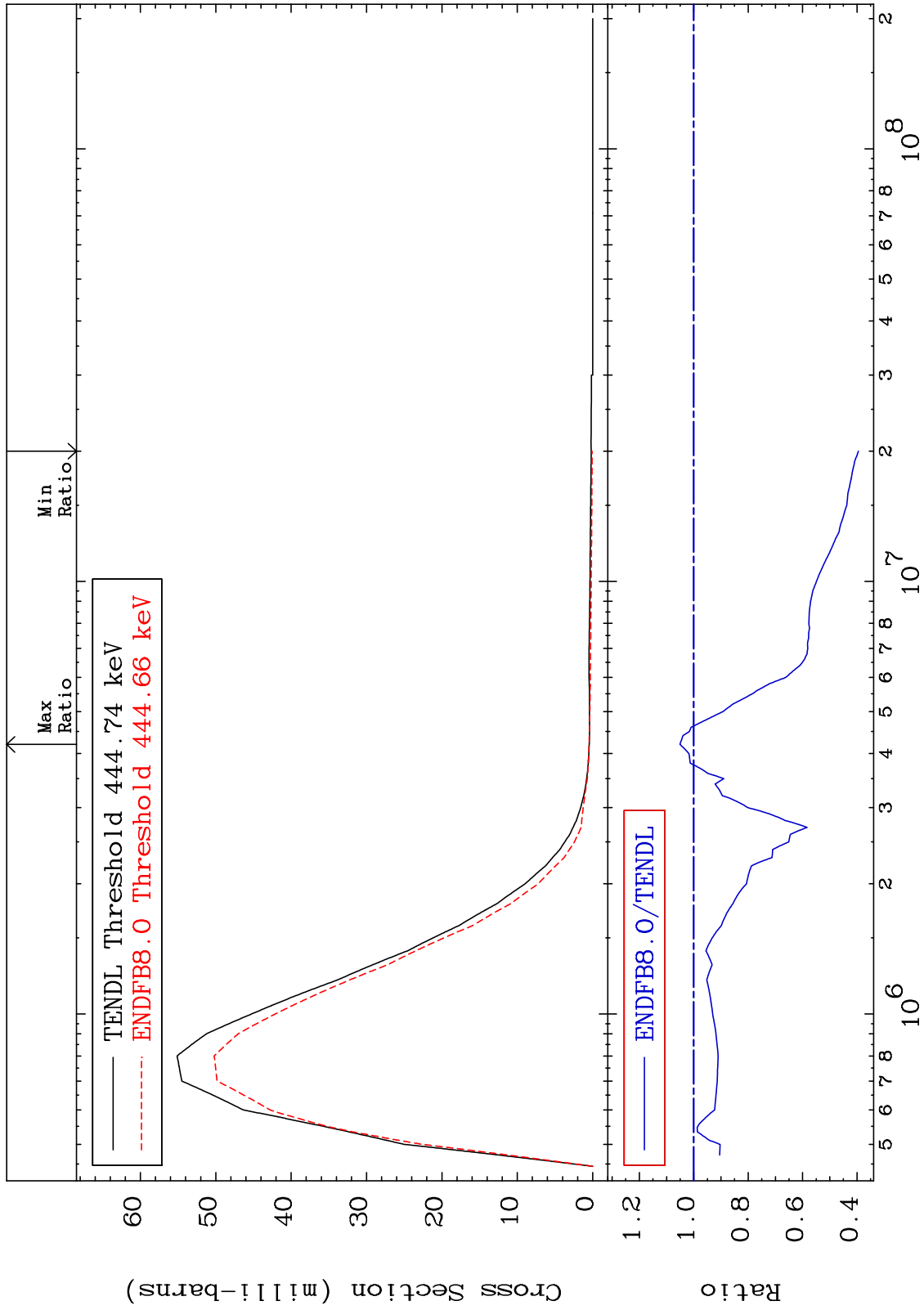
MAT 9640

MT= 62 (n,n') Level
Cross Section

96-Cm-245
-32.99 To 60.38 %



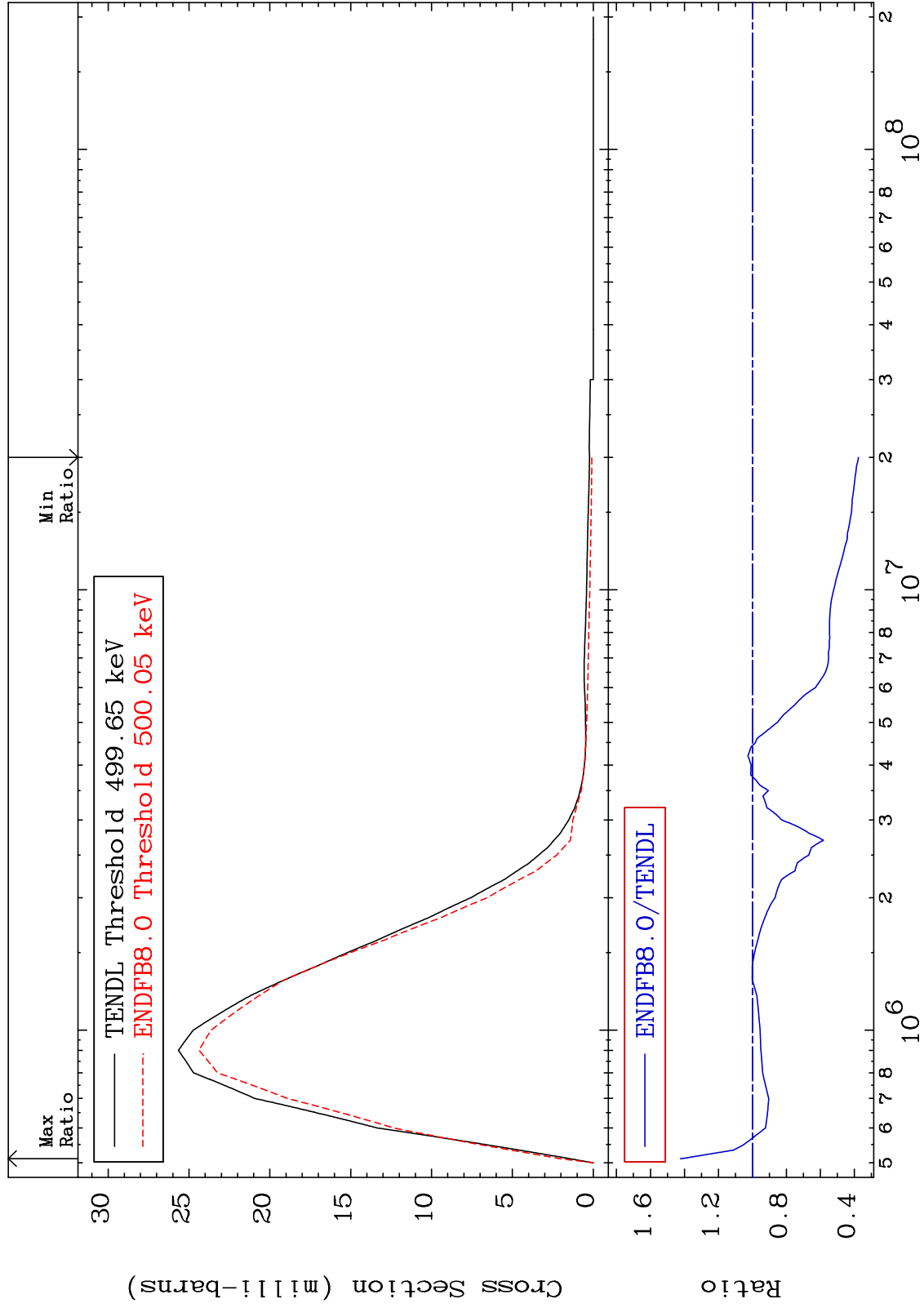
MAT 9640 MT= 63 (n,n') Level Cross Section 96-Cm-245
 -60.51 To 5.051 %



MAT 9640

MT= 64 (n,n') Level
Cross Section

96-Cm-245
-62.45 To 42.34 %



25

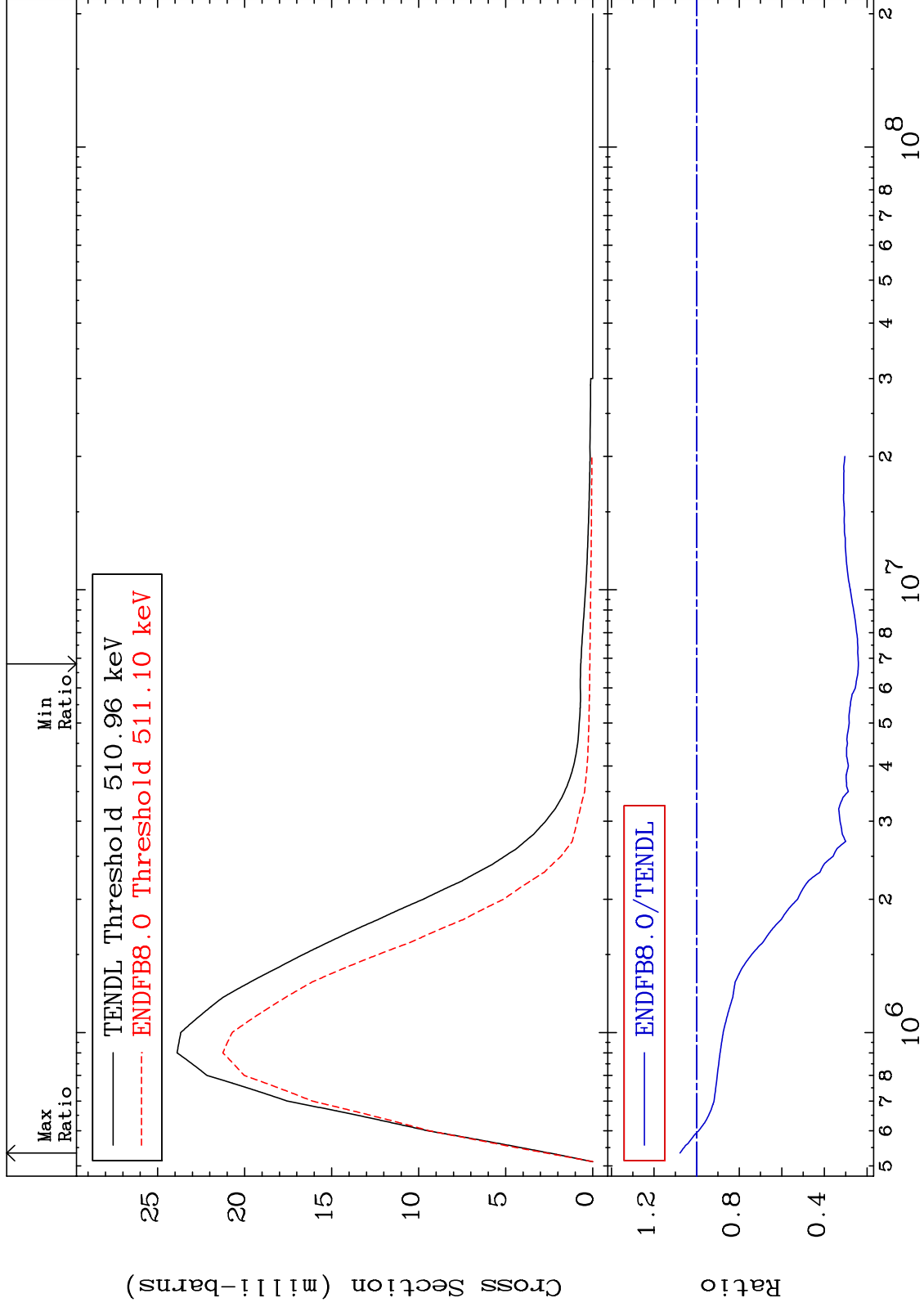
Incident Energy (eV)

96-Cm-245

MAT 9640

MT= 65 (n,n') Level
Cross Section

96-Cm-245
-75.96 To 7.809 %

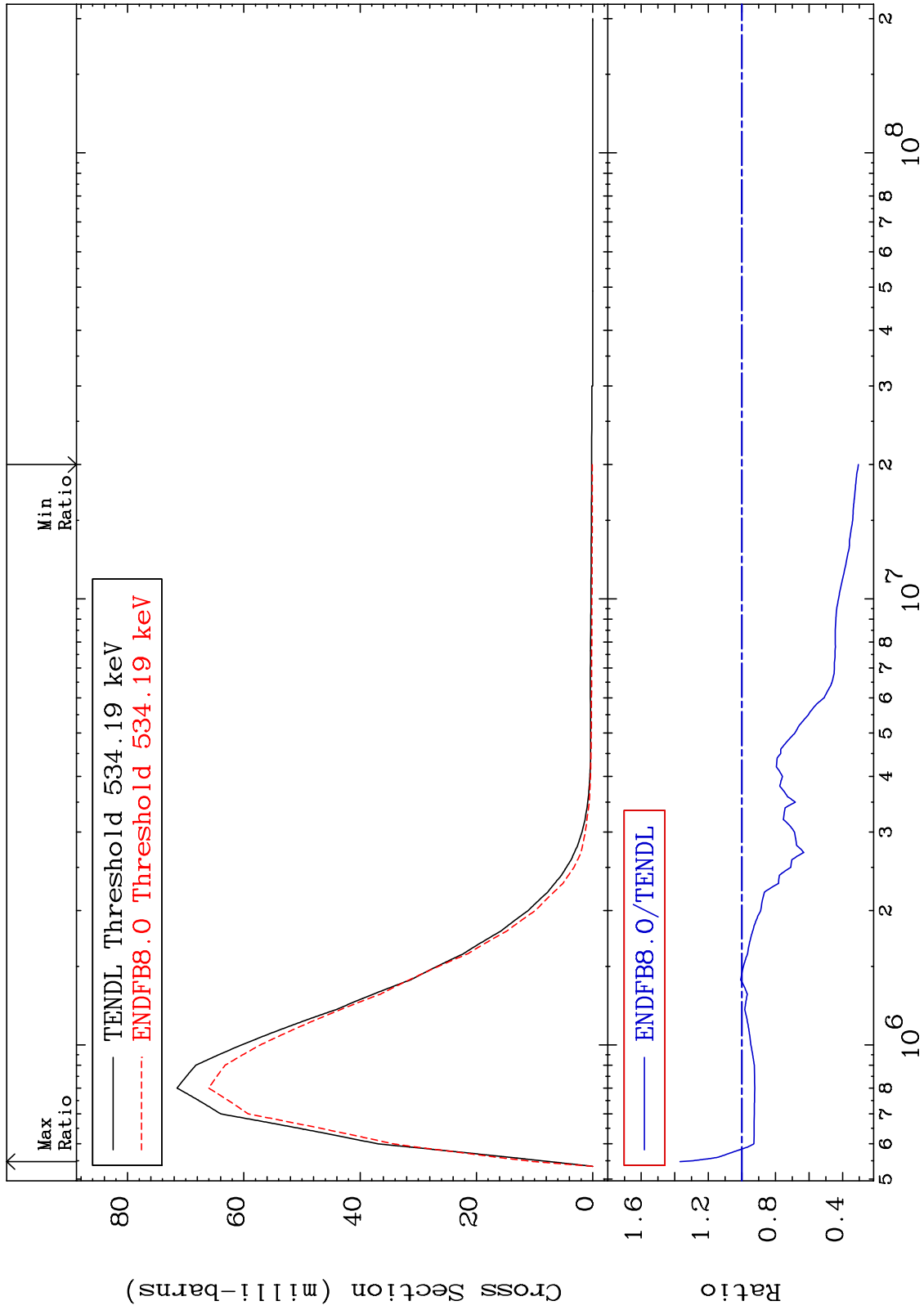


26

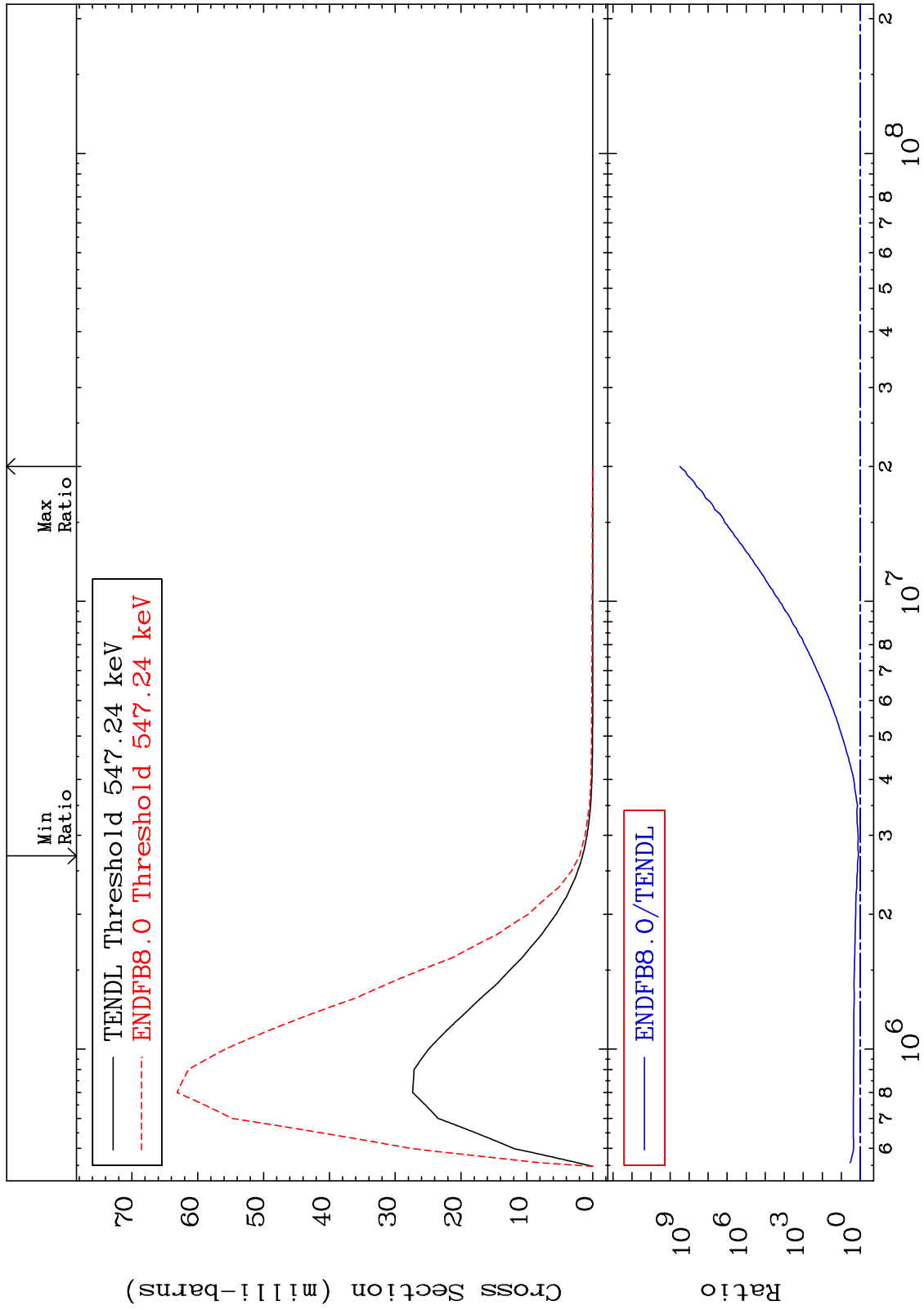
Incident Energy (eV)

96-Cm-245

MAT 9640 MT= 66 (n,n') Level Cross Section 96-Cm-245
 -69.45 To 36.88 %



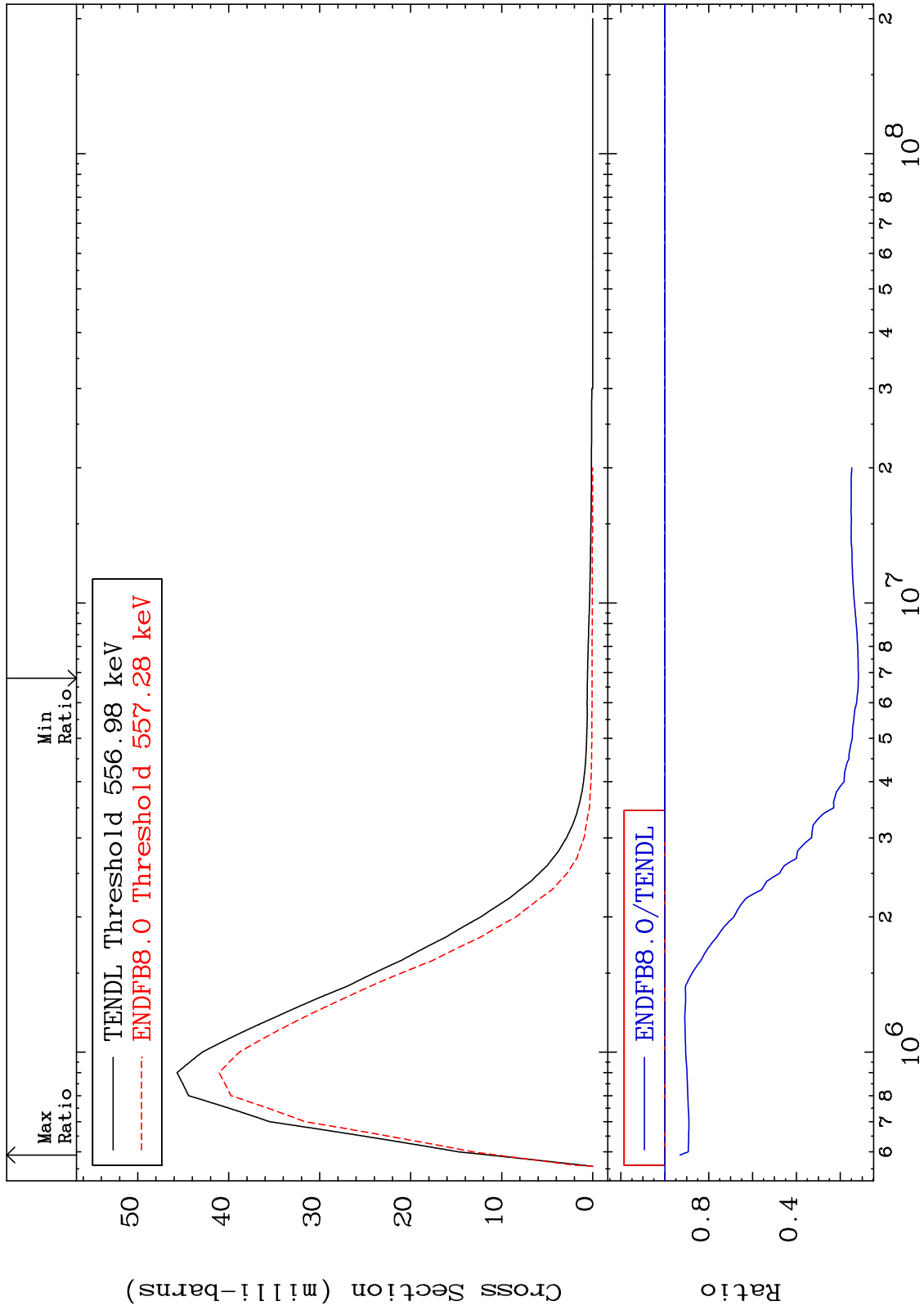
MAT 9640 MT= 67 (n,n') Level Cross Section 96-Cm-245
 26.79 To 9999. %



MAT 9640

MT= 68 (n,n') Level
Cross Section

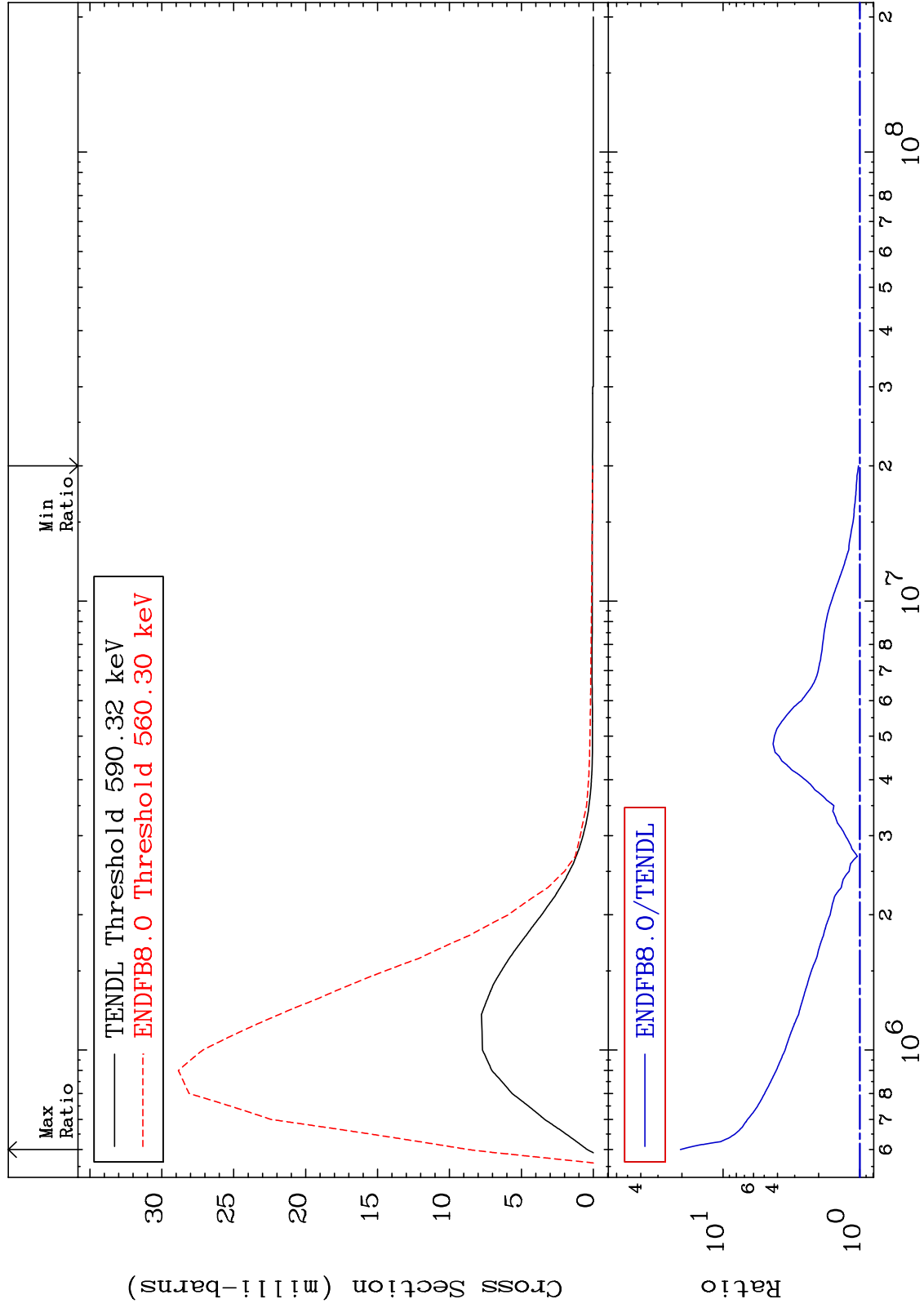
96-Cm-245
-88.25 To -6.933%



MAT 9640

MT= 69 (n,n') Level
Cross Section

96-Cm-245
2.322 To 1951. %



30

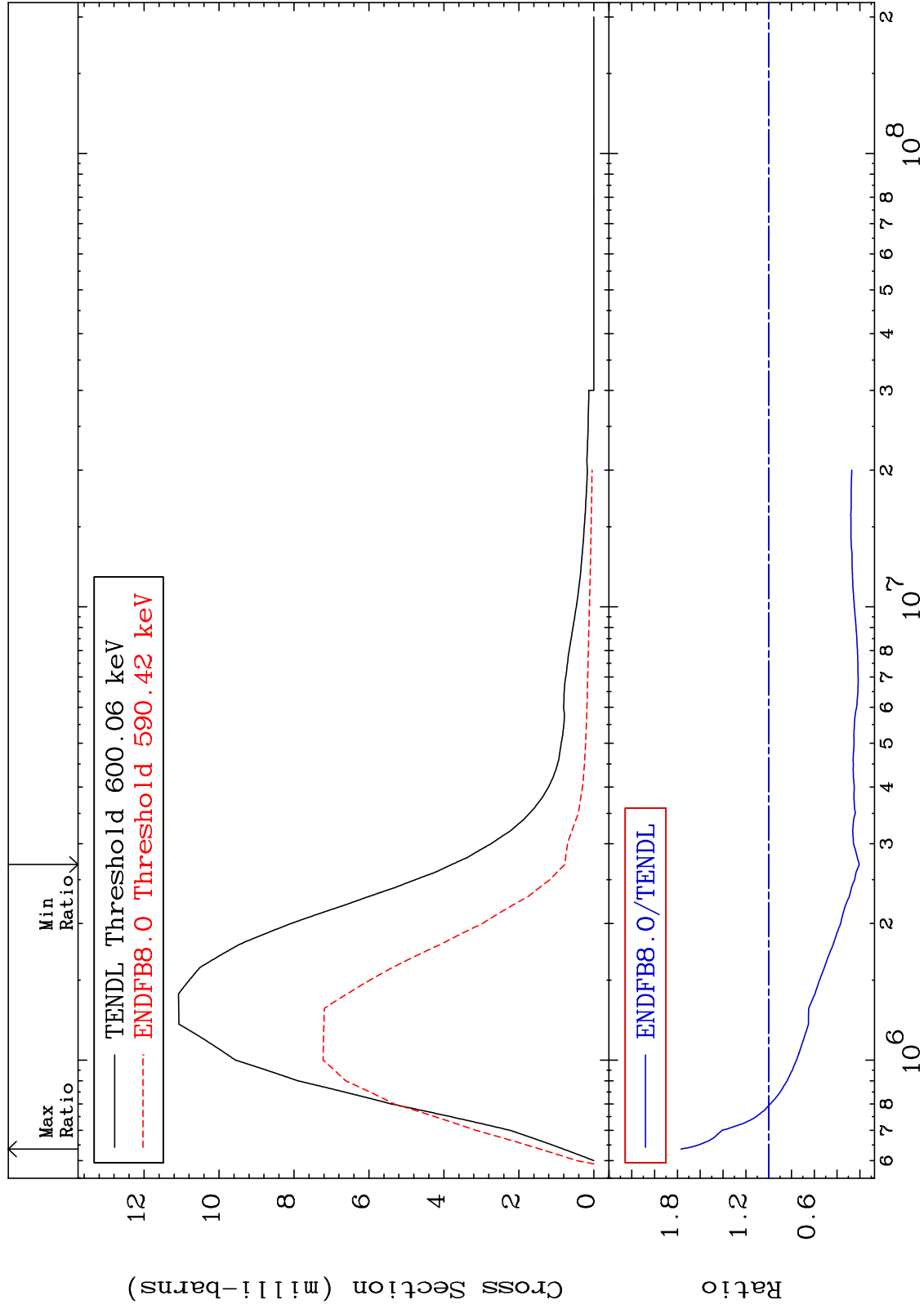
Incident Energy (eV)

96-Cm-245

MAT 9640

MT= 70 (n,n') Level
Cross Section

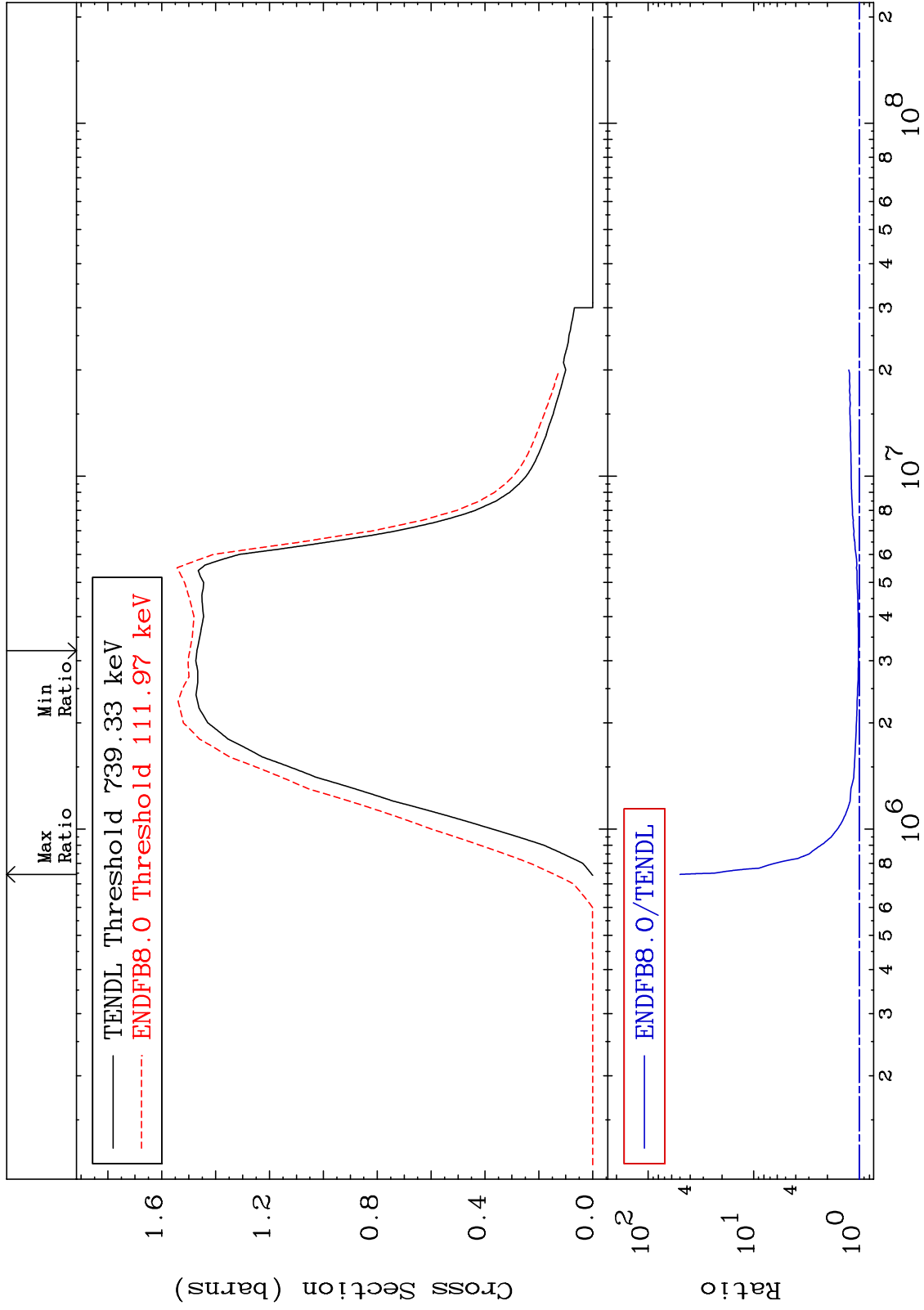
96-Cm-245
-79.51 To 76.83 %



MAT 9640

(n,n') Continuum
Cross Section

96-Cm-245
1.822 To 4893. %

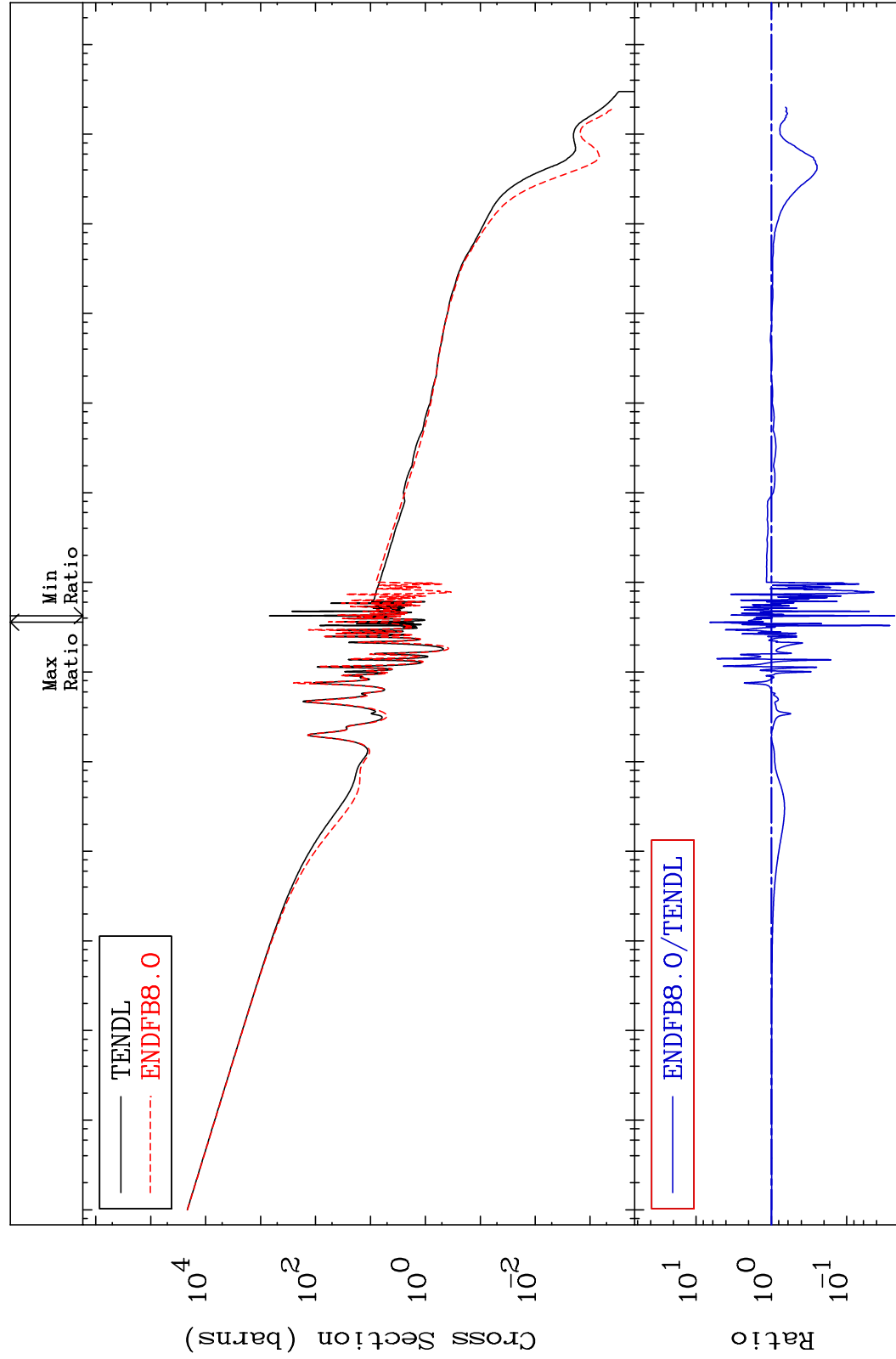


MAT 9640

96-Cm-245

-97.72 To 559.2 %

(n, γ)
Cross Section

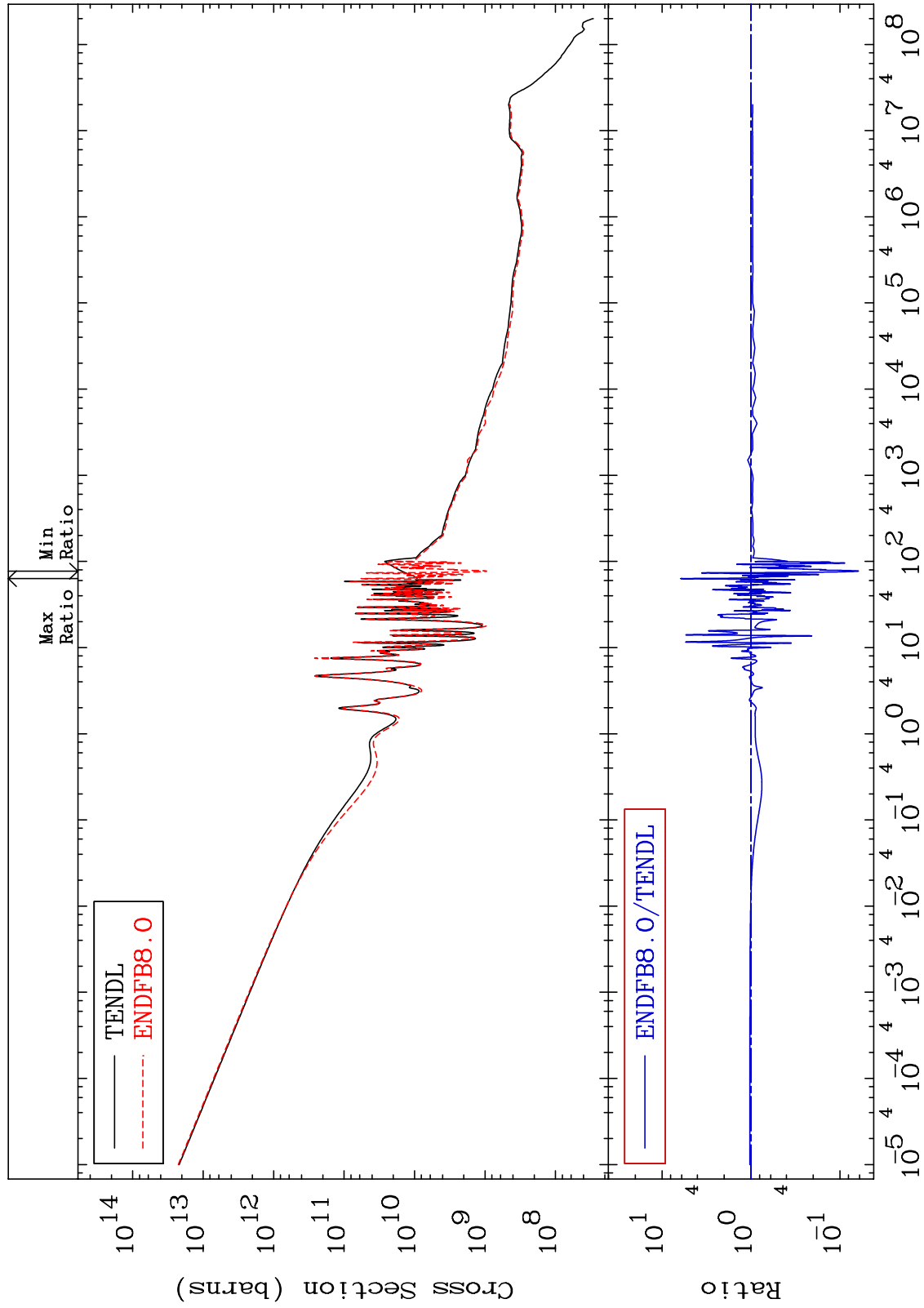


Incident Energy (eV) 96-Cm-245

MAT 9640

Kerma total (eV-barns)
Cross Section

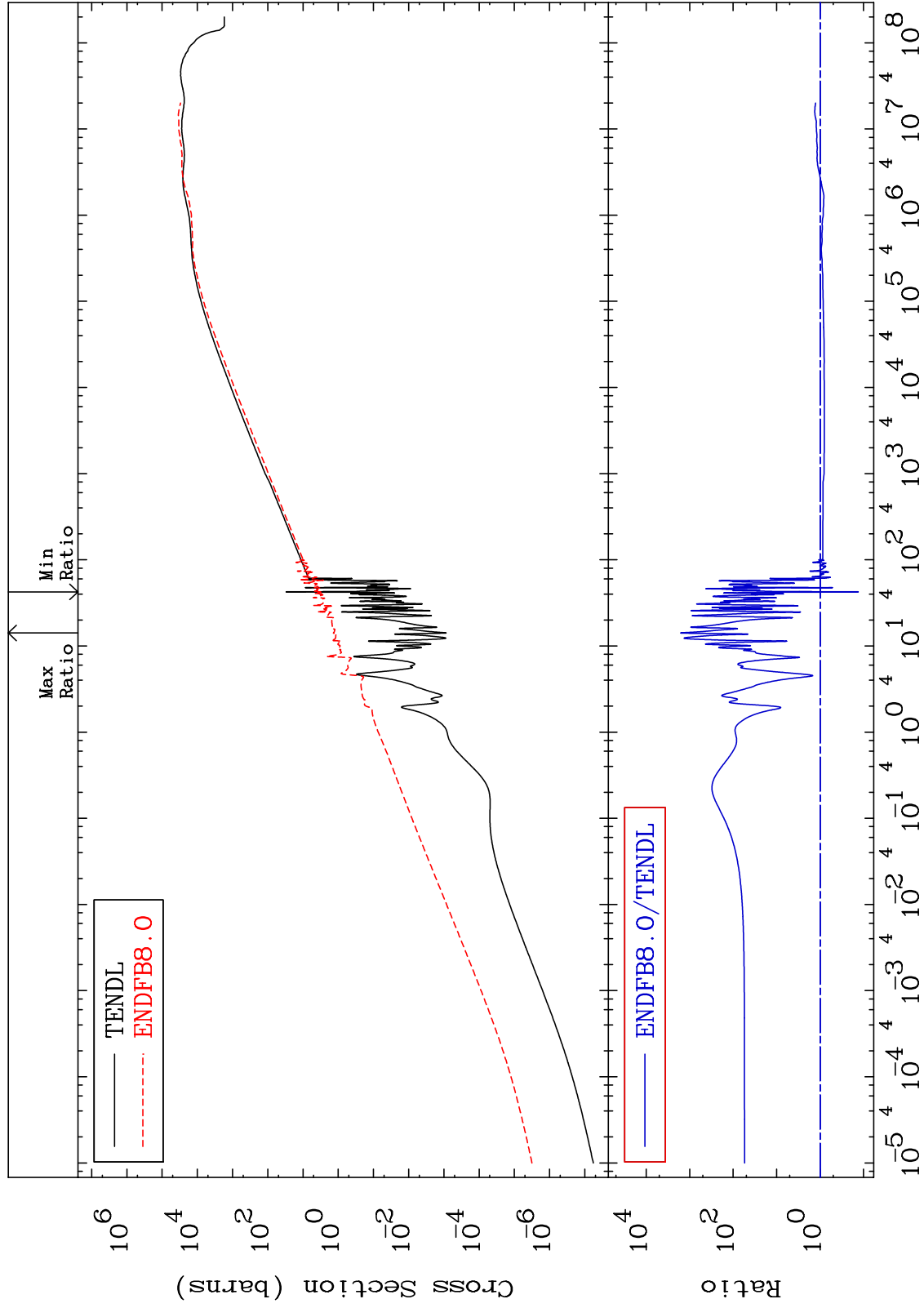
96-Cm-245
-93.83 To 521.2 %



MAT 9640

Kerma elastic
Cross Section

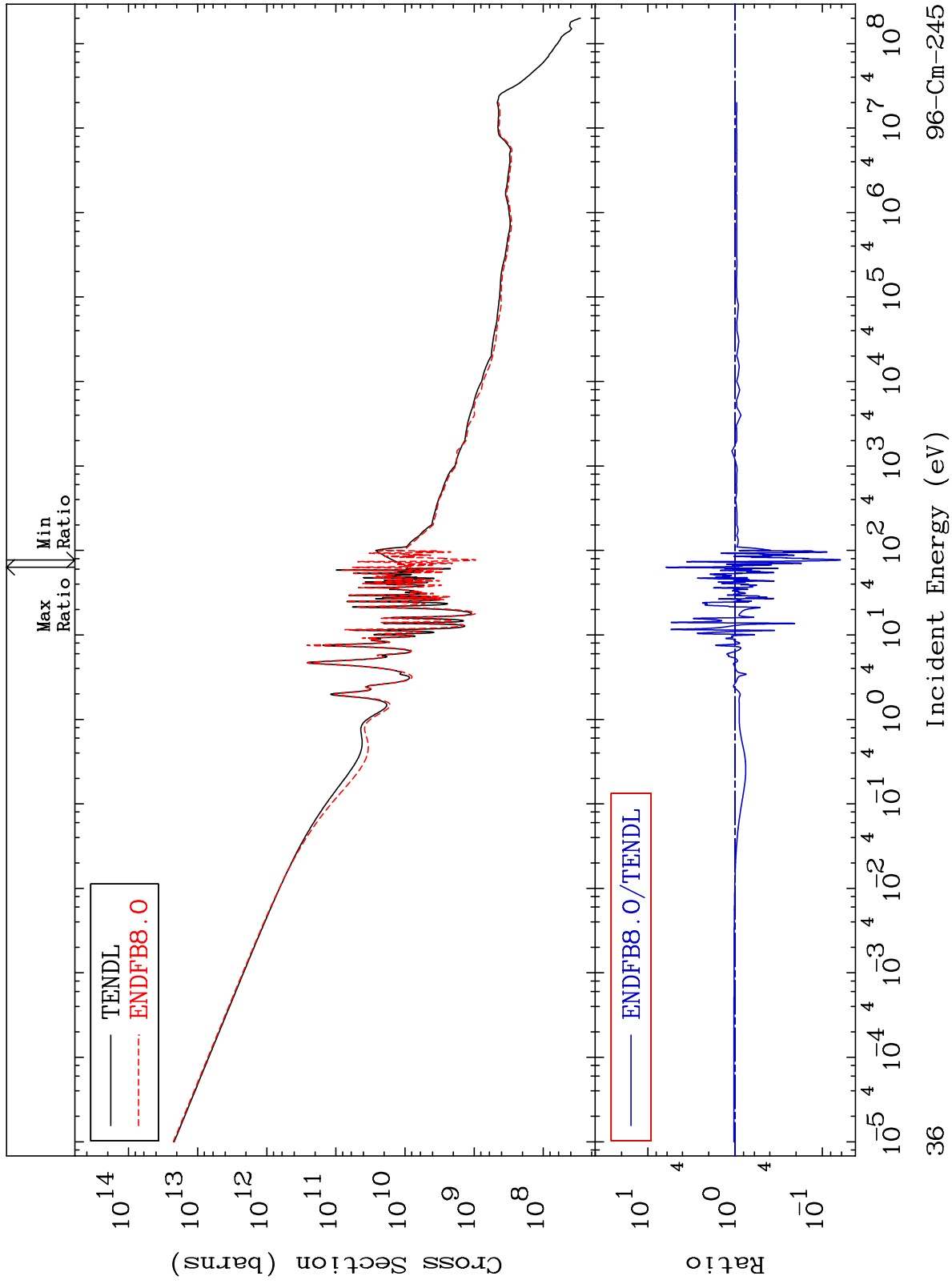
96-Cm-245
-86.96 To 9999. %



MAT 9640

Kerma non-elastic (all but mt2)
Cross Section

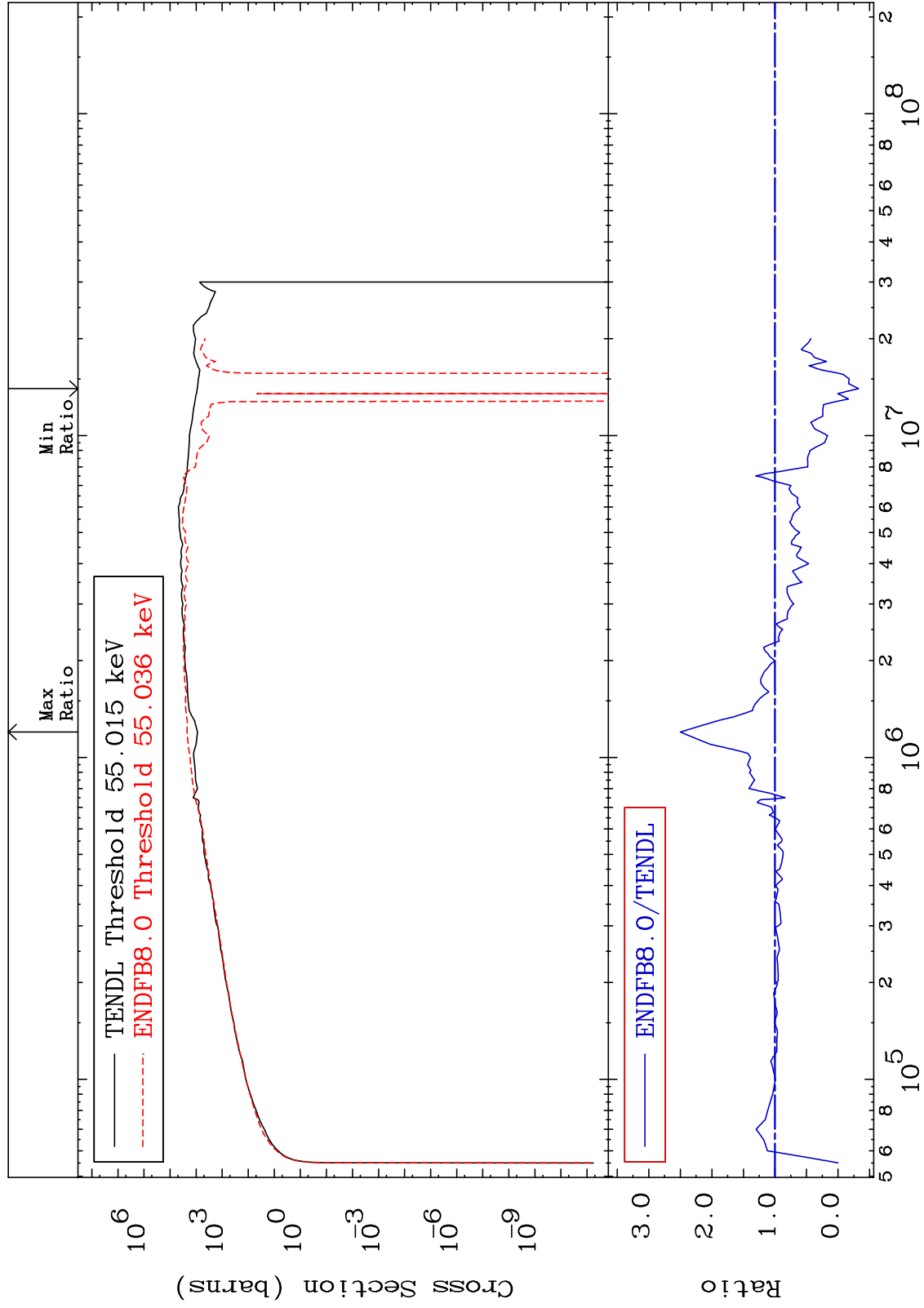
96-Cm-245
-93.83 To 521.2 %



MAT 9640

Kerma inelastic (mt51-91)
Cross Section

96-Cm-245
-132.4 To 149.8 %



37

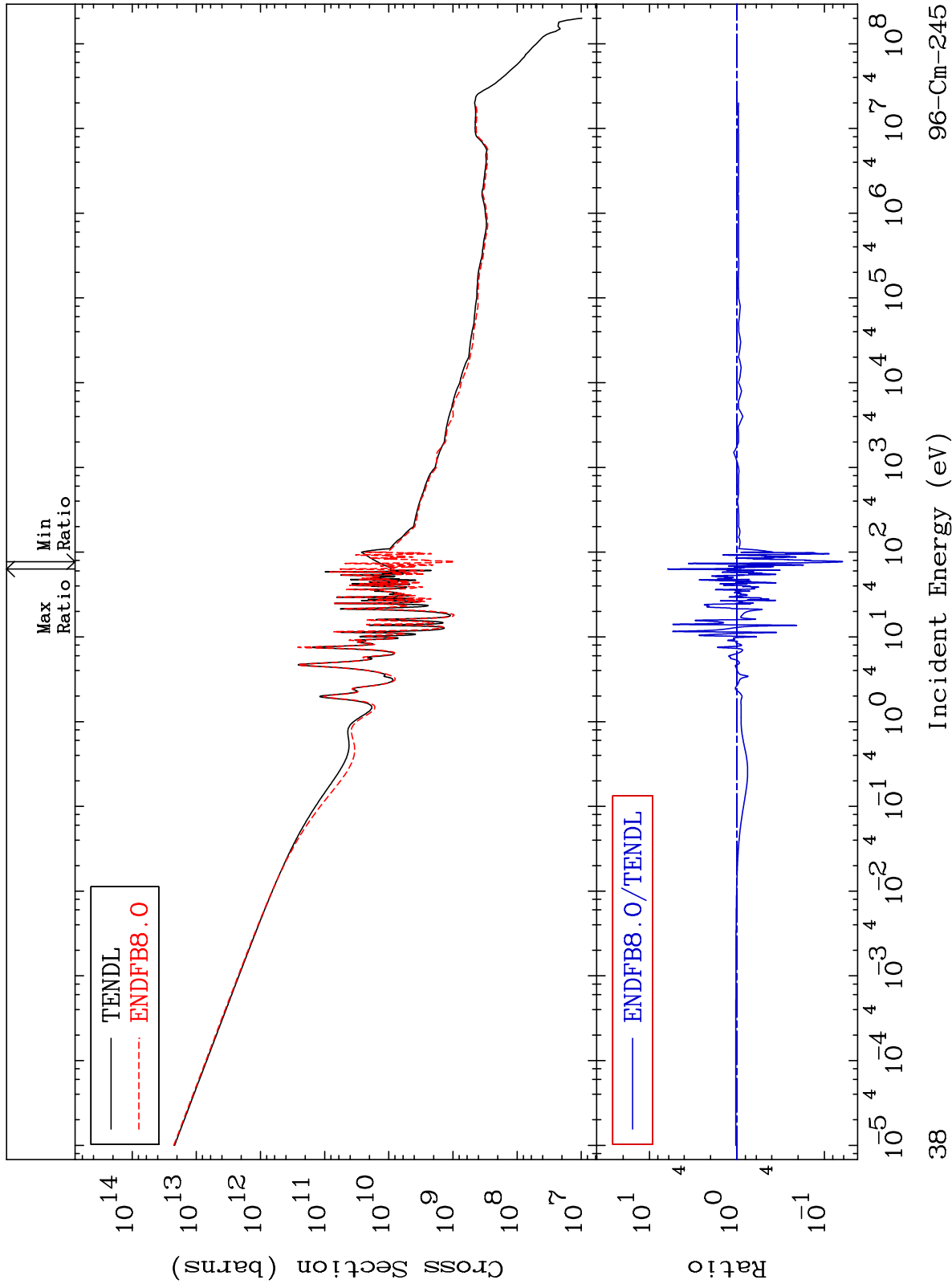
Incident Energy (eV)

96-Cm-245

MAT 9640

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

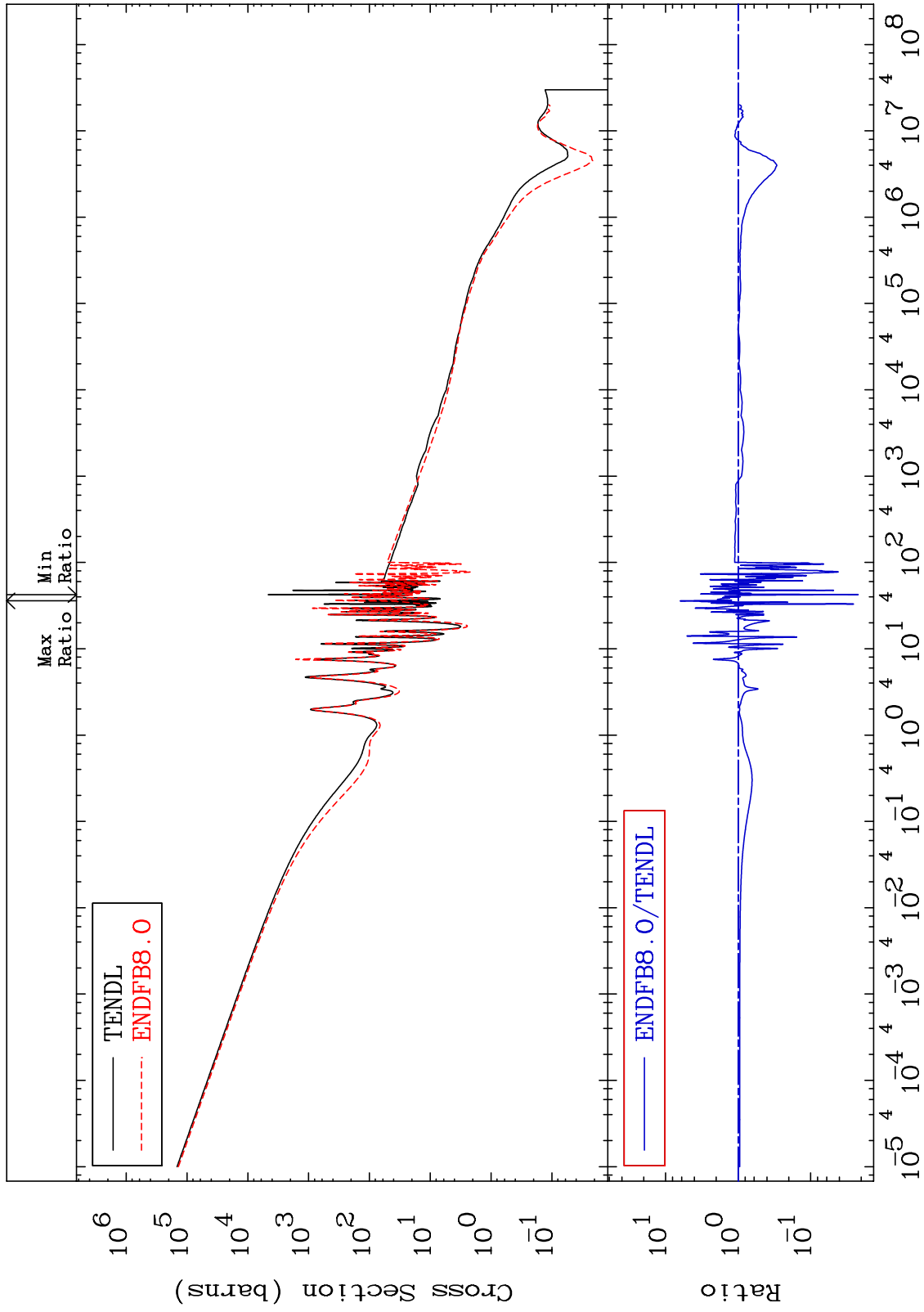
96-Cm-245
-93.83 To 521.2 %



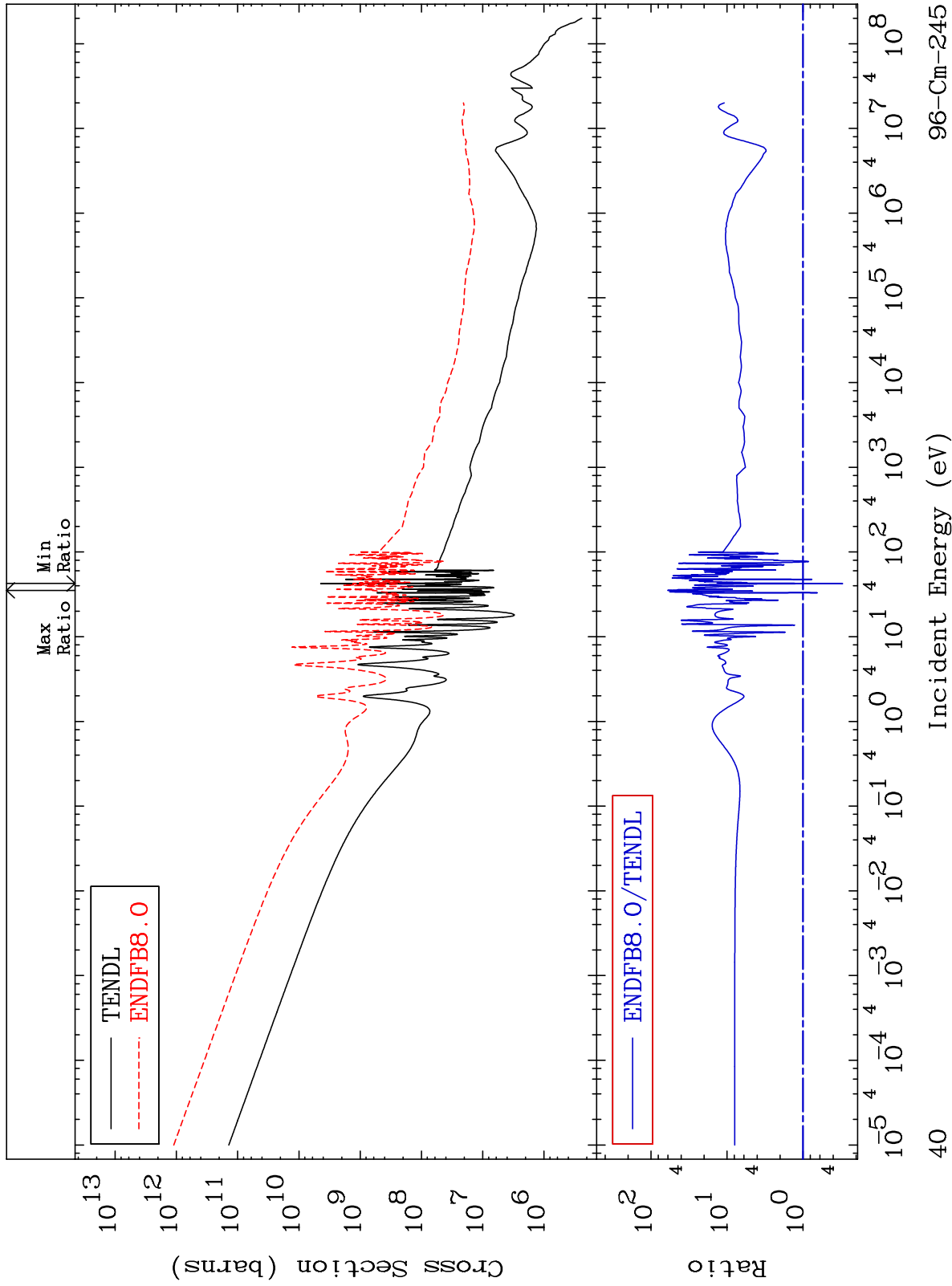
MAT 9640

Kerma capture (mt102)
Cross Section

96-Cm-245
-97.81 To 532.4 %



MAT 9640 Total photon (eV-barns) 96-Cm-245
Cross Section -69.94 To 5959. %

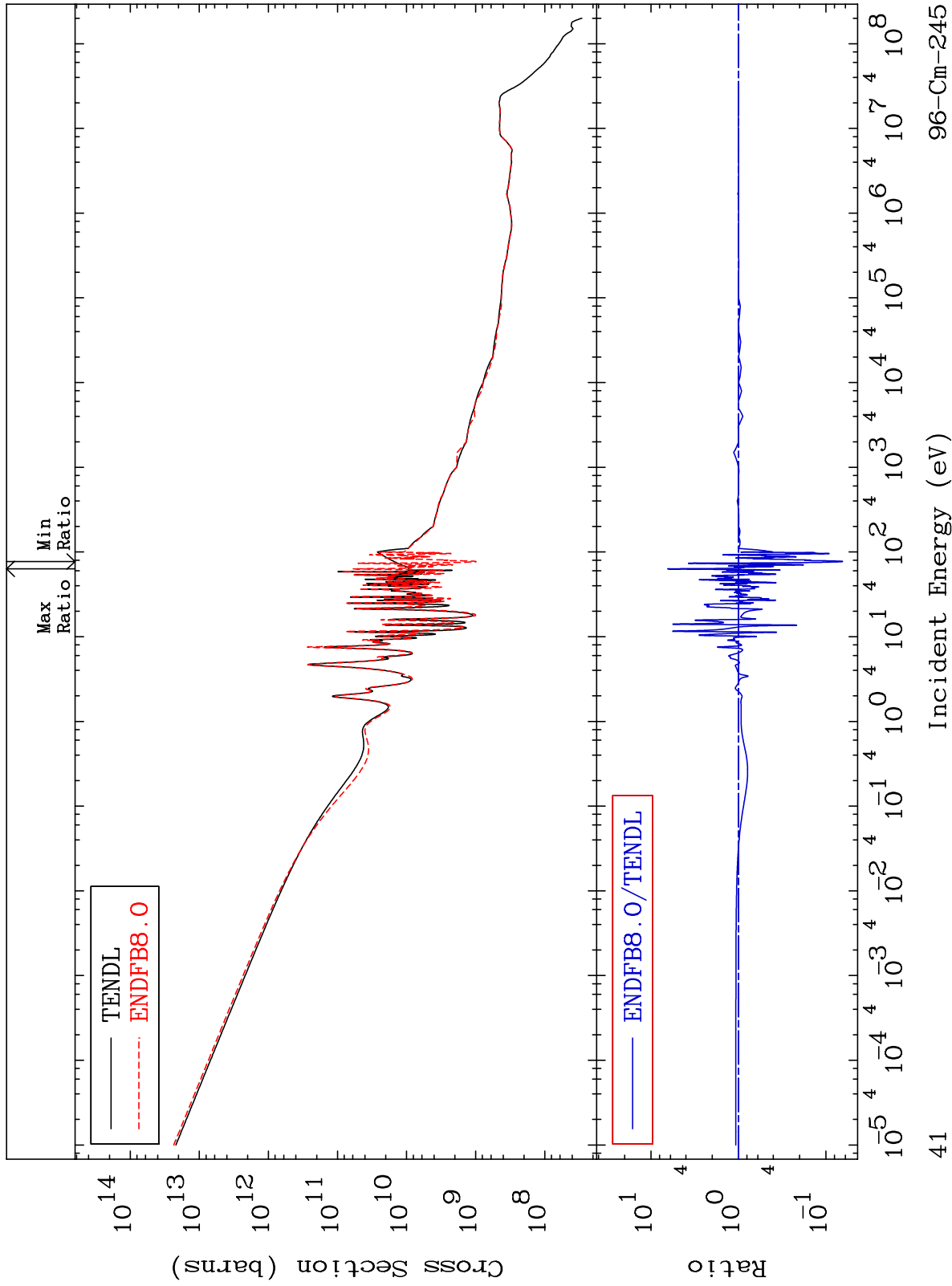


96-Cm-245

MAT 9640

Total kinematic kerma (high limit)
Cross Section

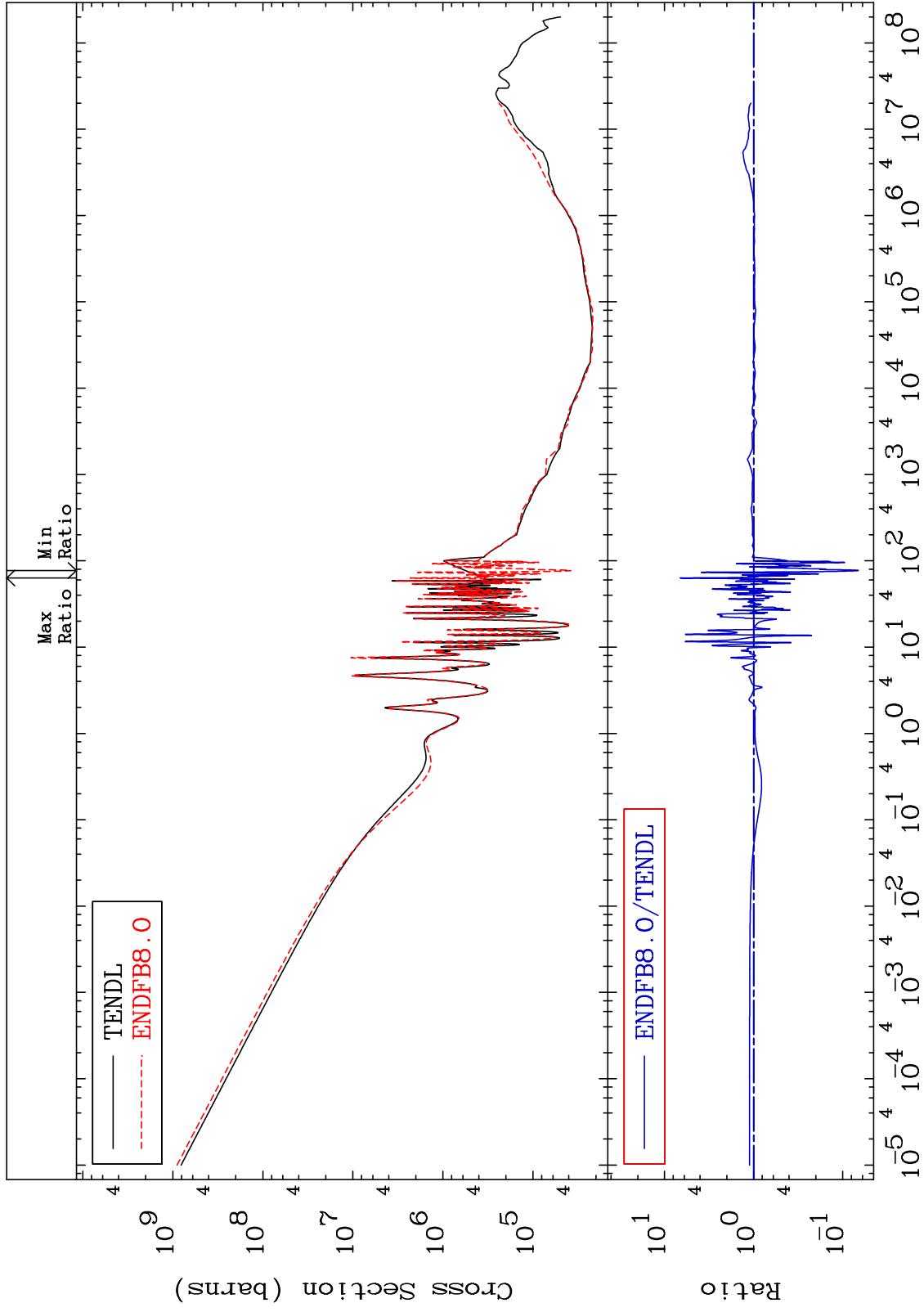
96-Cm-245
-93.57 To 547.9 %



MAT 9640

Dpa total (eV-barns)
Cross Section

96-Cm-245
-93.34 To 570.6 %



42

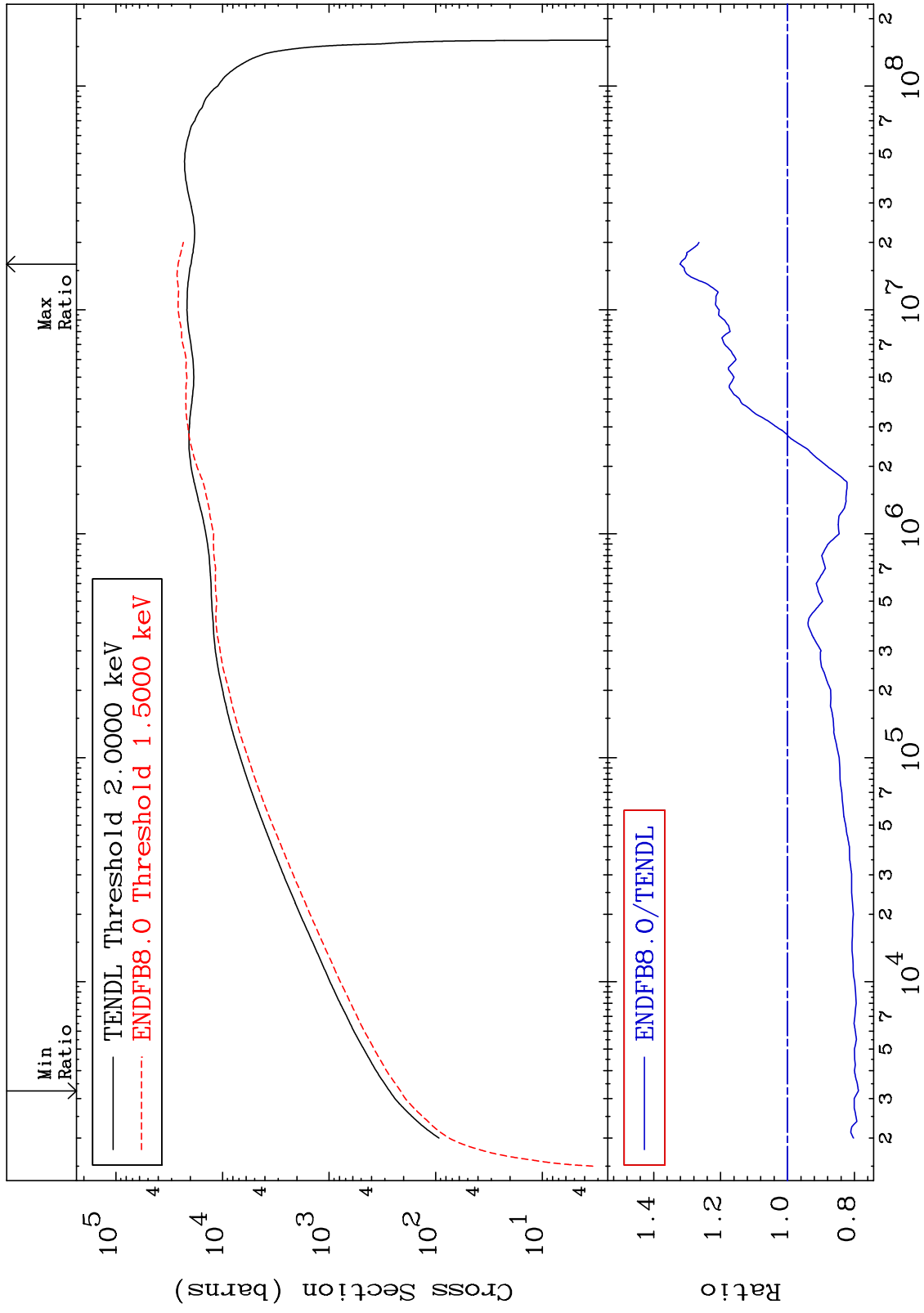
Incident Energy (eV)

96-Cm-245

MAT 9640

Dpa elastic (mt2)
Cross Section

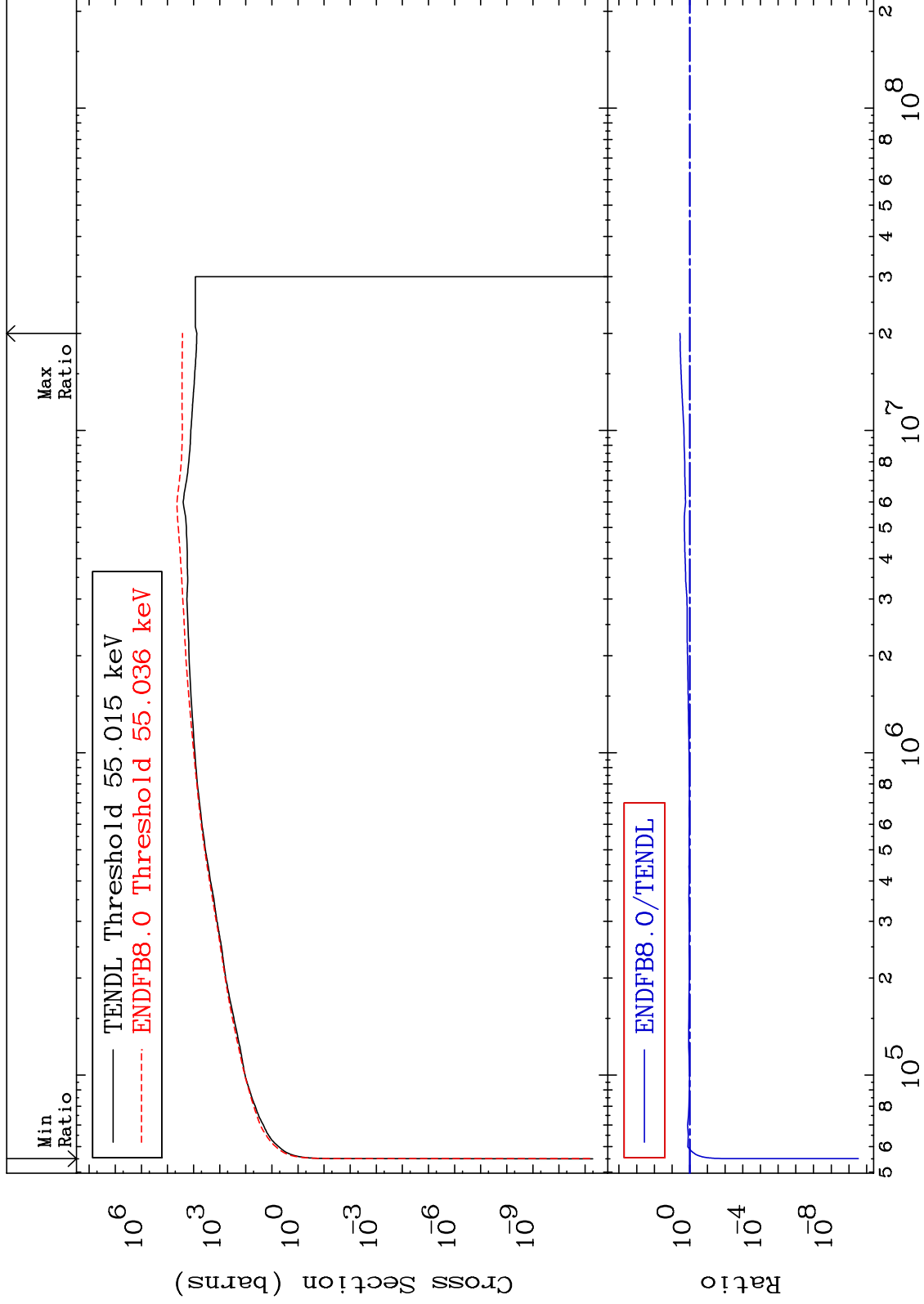
96-Cm-245
-21.19 To 32.14 %



MAT 9640

Dpa inelastic (mt51-91)
Cross Section

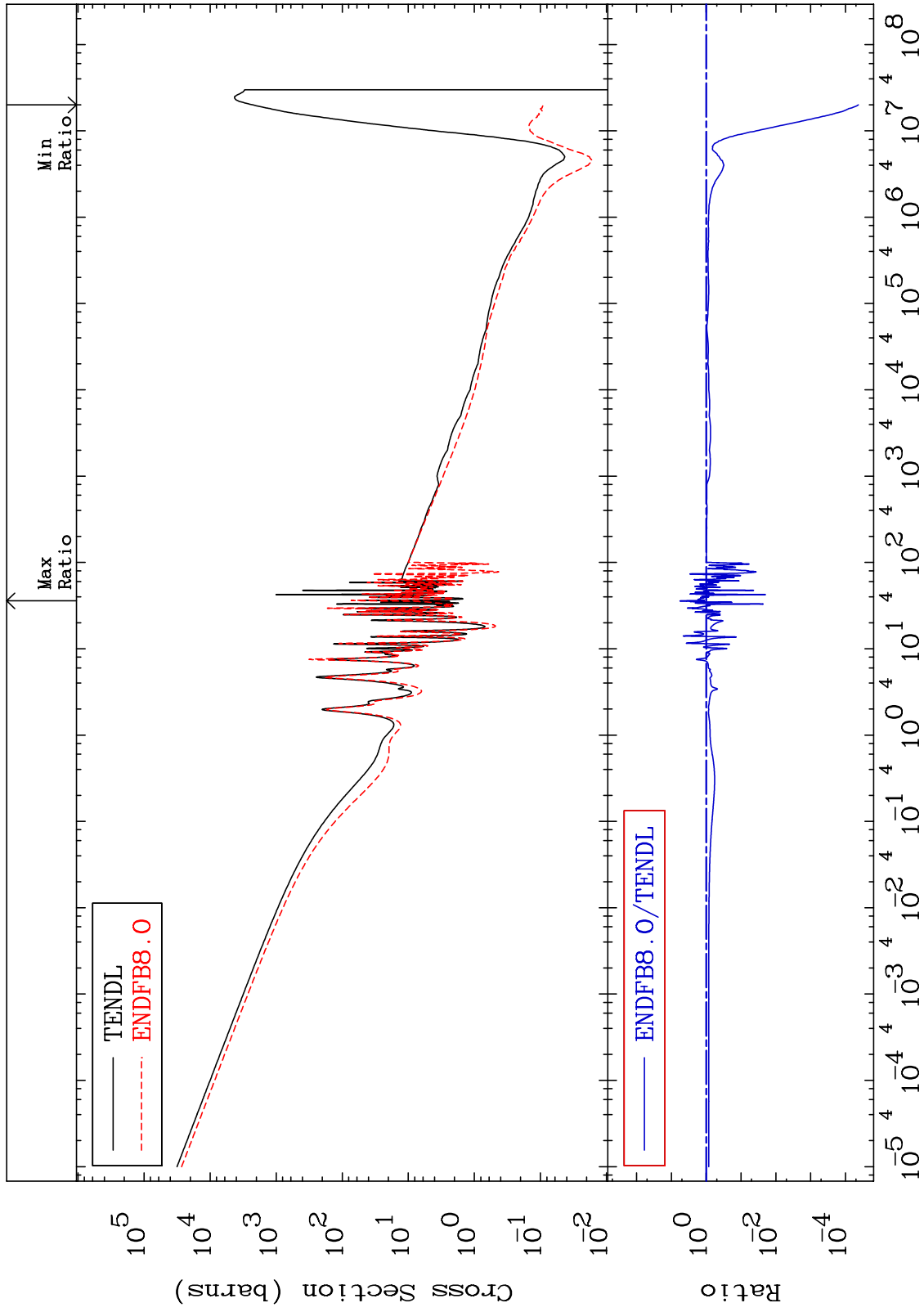
96-Cm-245
-100.0 To 254.1 %



MAT 9640

Dpa disappearance (mt102 -120)
Cross Section

96-Cm-245
-100.0 To 466.7 %



45

Incident Energy (eV)

96-Cm-245