

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

MAT 9640

96-Cm-245

-82.49 To 513.0 %

Total
Cross Section

Max
Ratio

Min
Ratio

— TENDL
- - - JEFF3.3

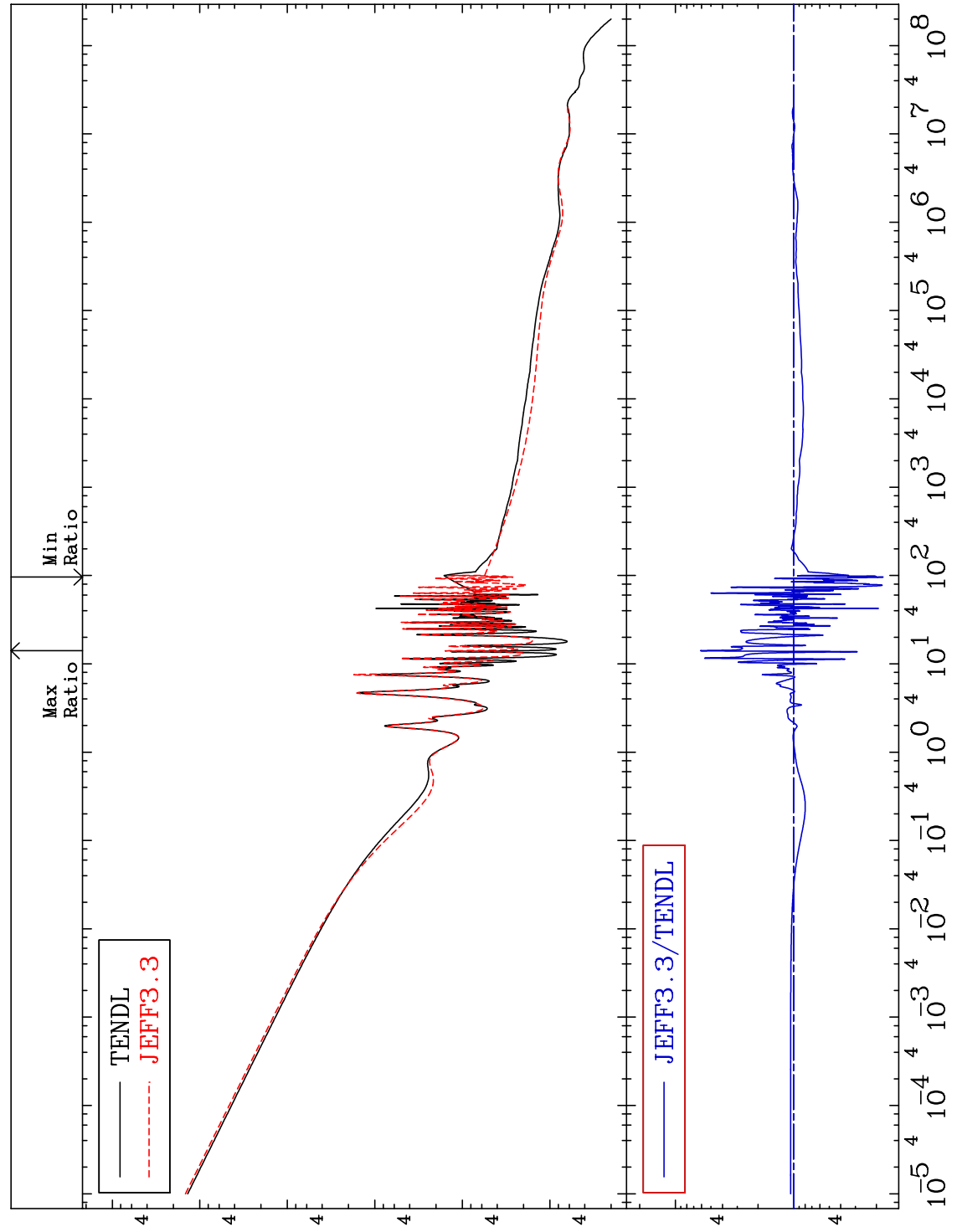
— JEFF3.3/TENDL

Cross Section (barns)

Ratio

Incident Energy (eV)

96-Cm-245



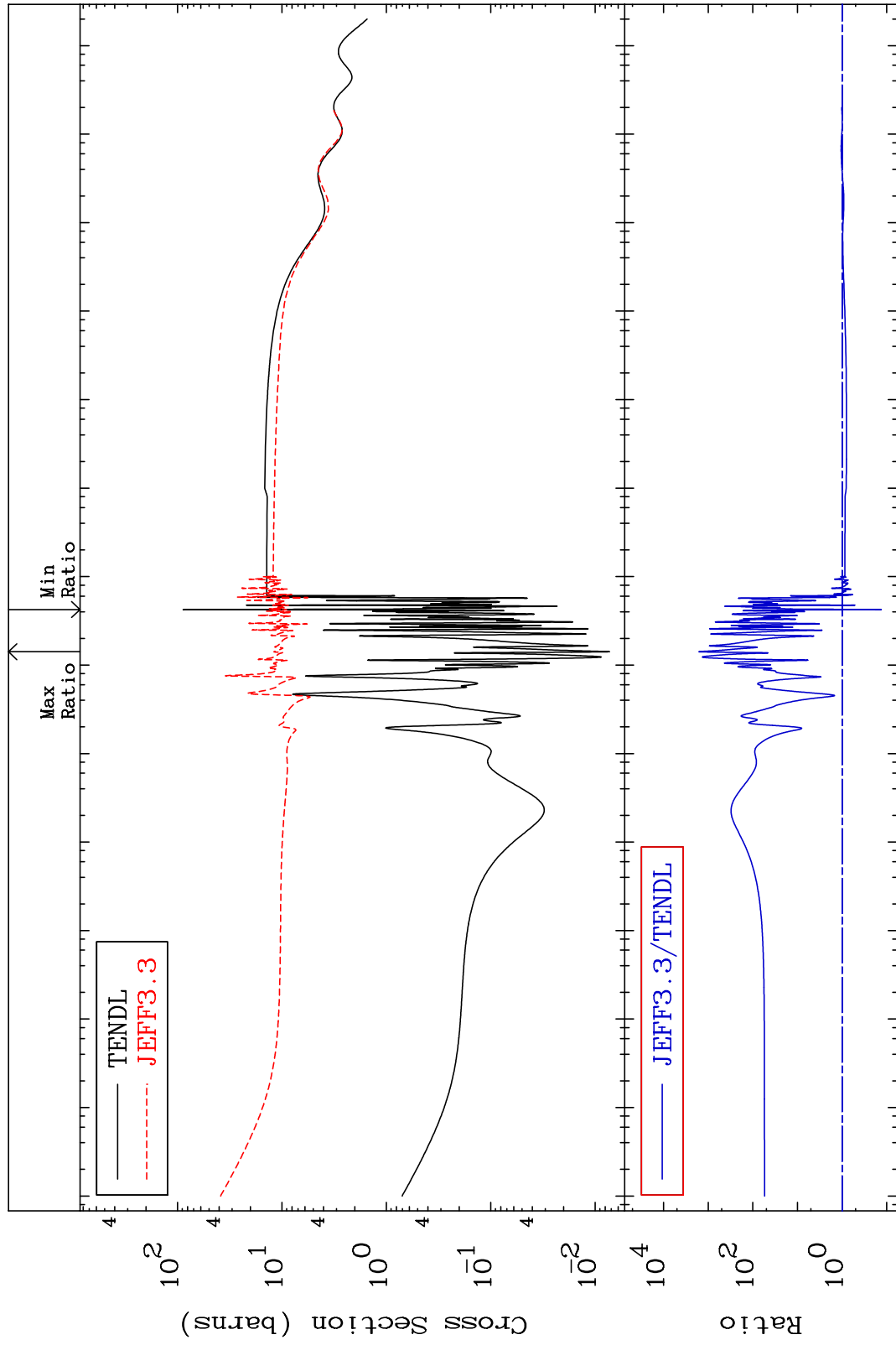
MAT 9640

Elastic

96-Cm-245

-86.96 To 9999. %

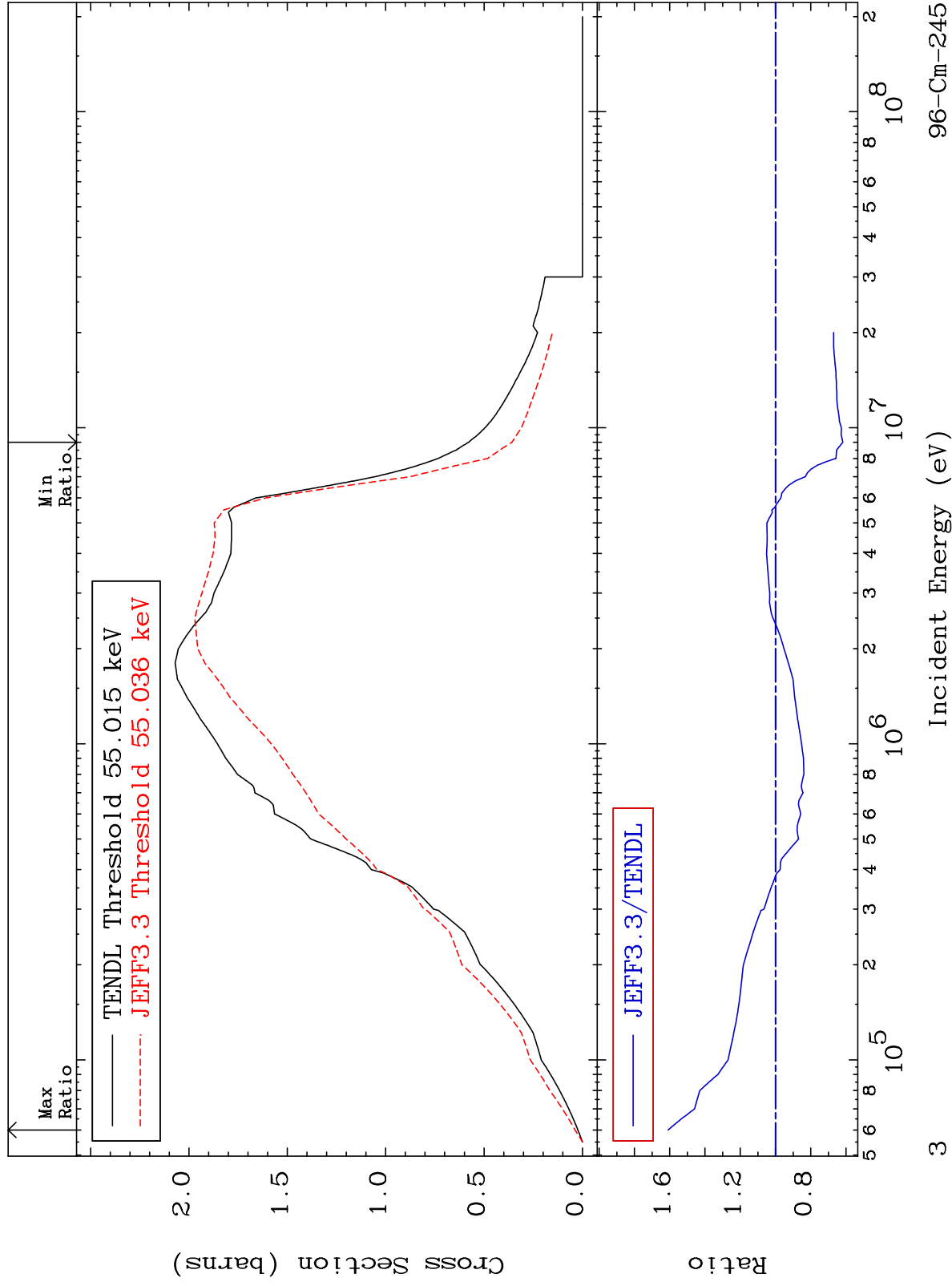
Cross Section

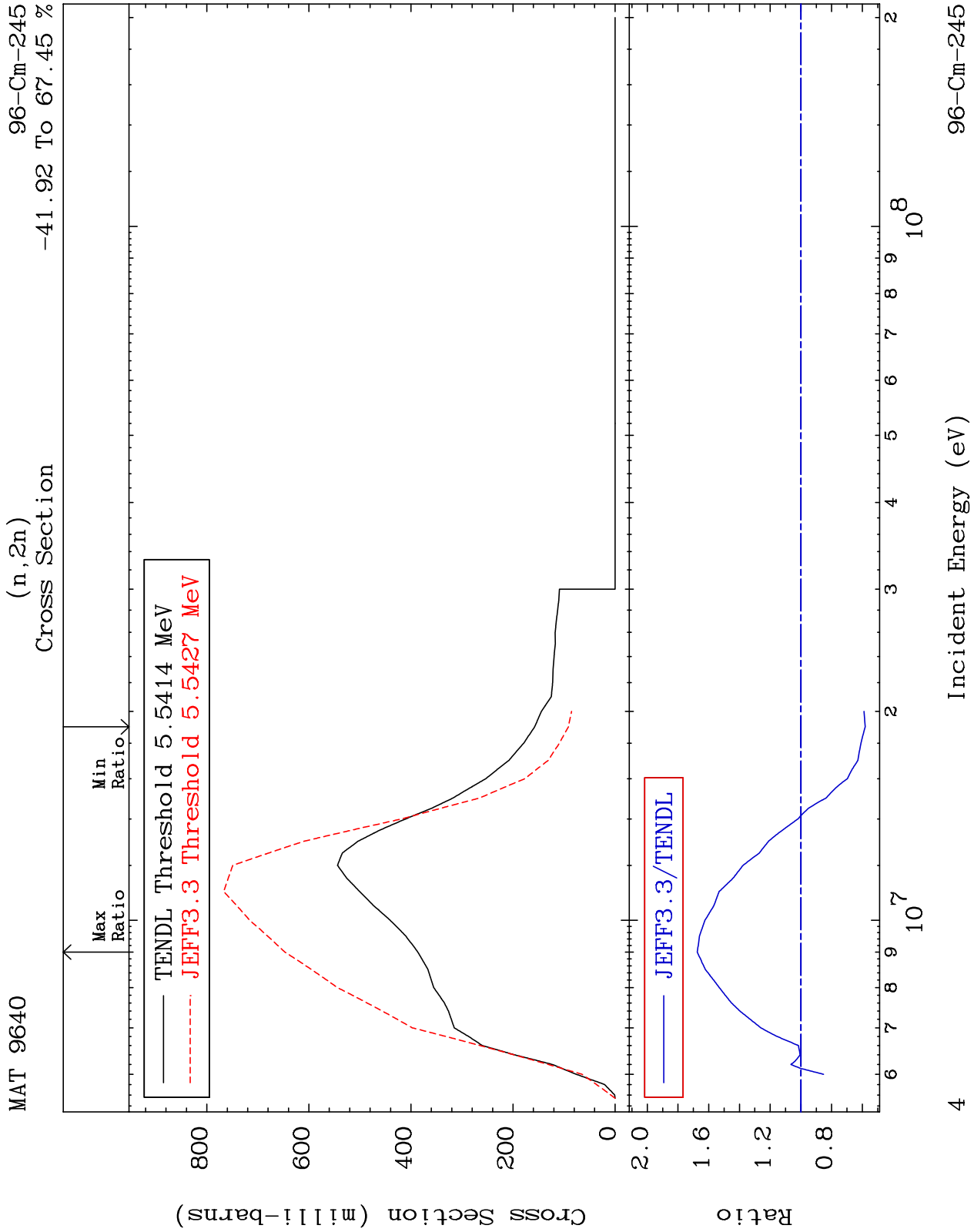


MAT 9640

Inelastic
Cross Section

96-Cm-245
-38.19 To 60.97 %





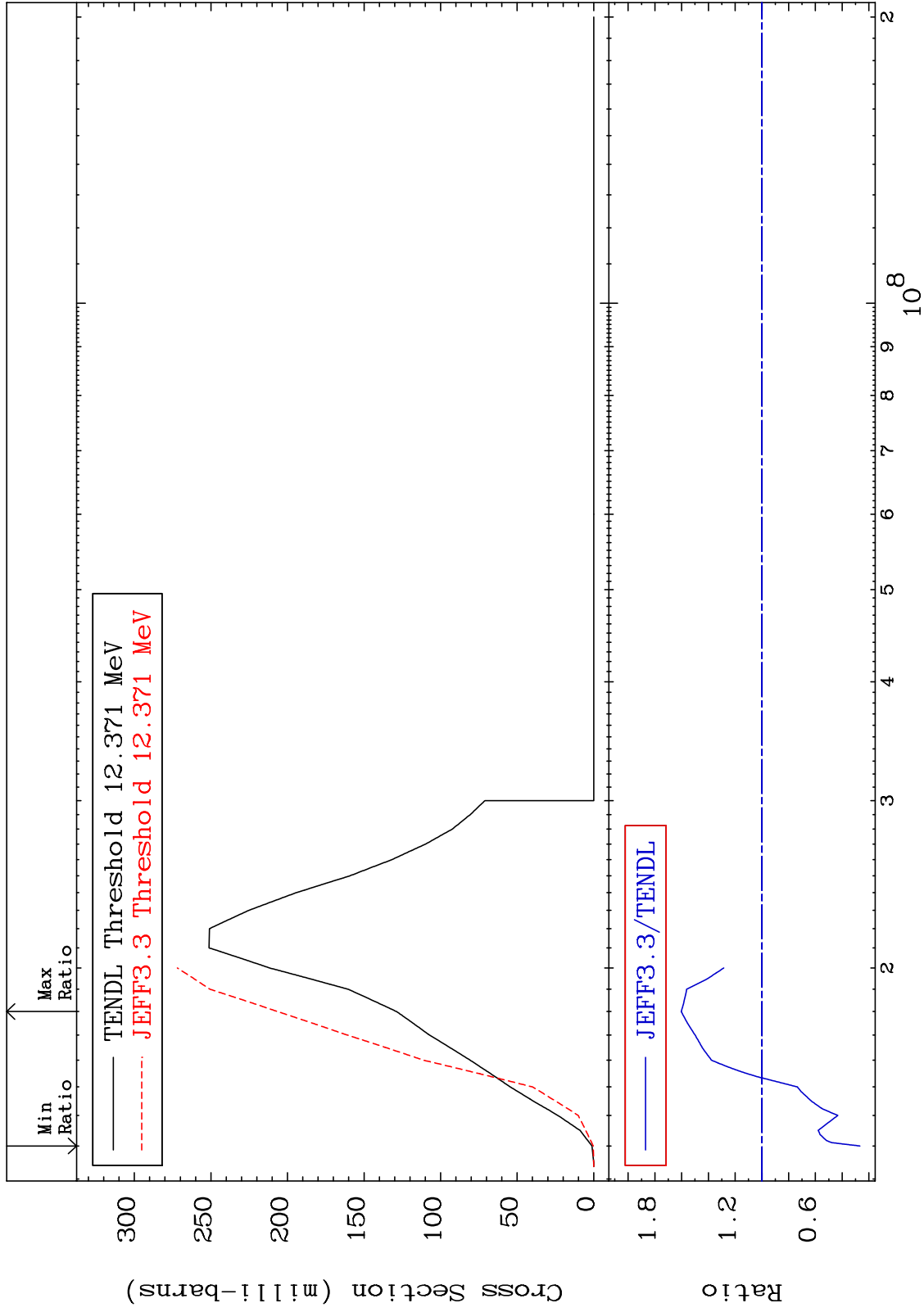
MAT 9640

(n, 3n)

96-Cm-245

Cross Section

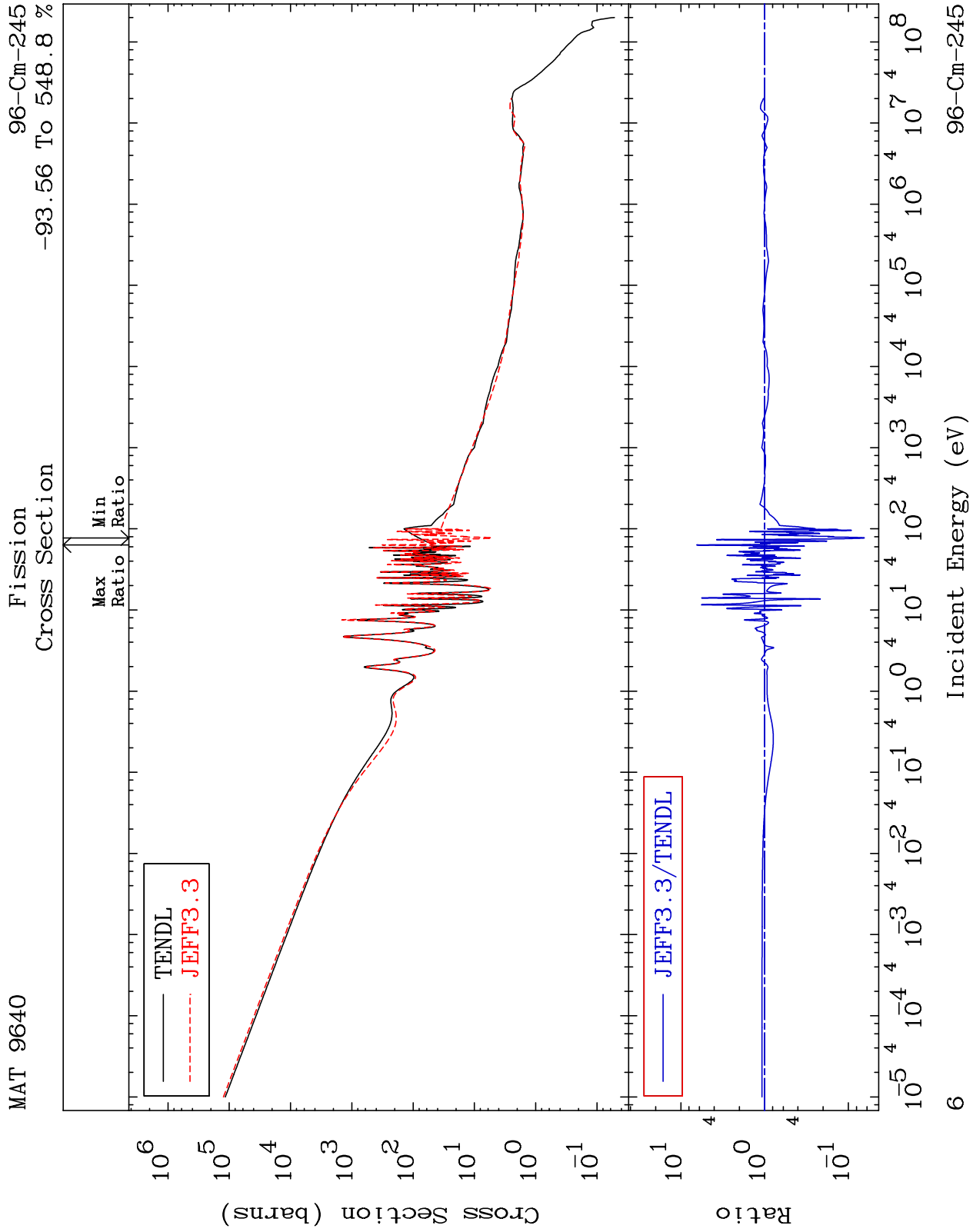
-73.30 To 60.32 %



5

Incident Energy (eV)

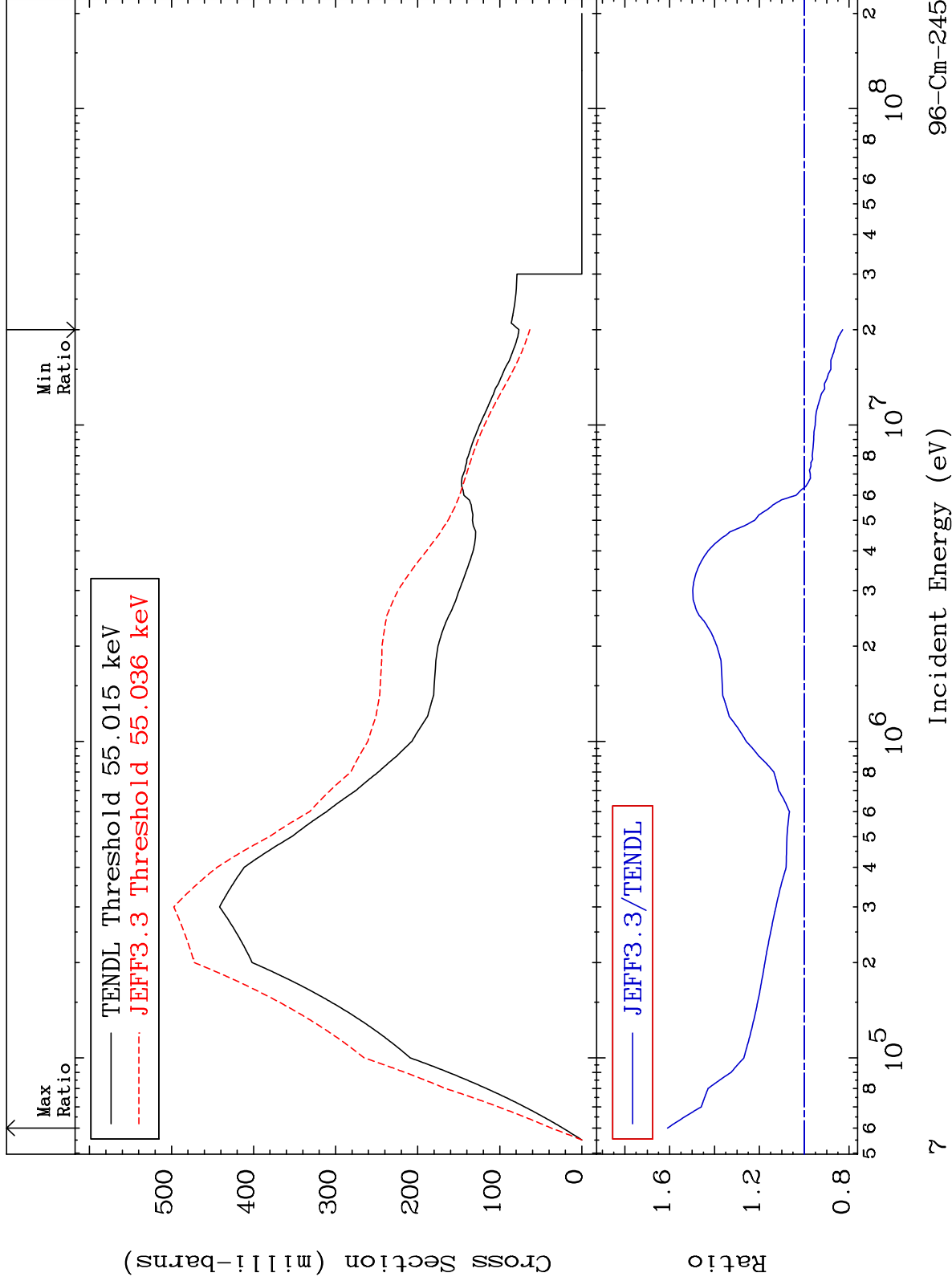
96-Cm-245



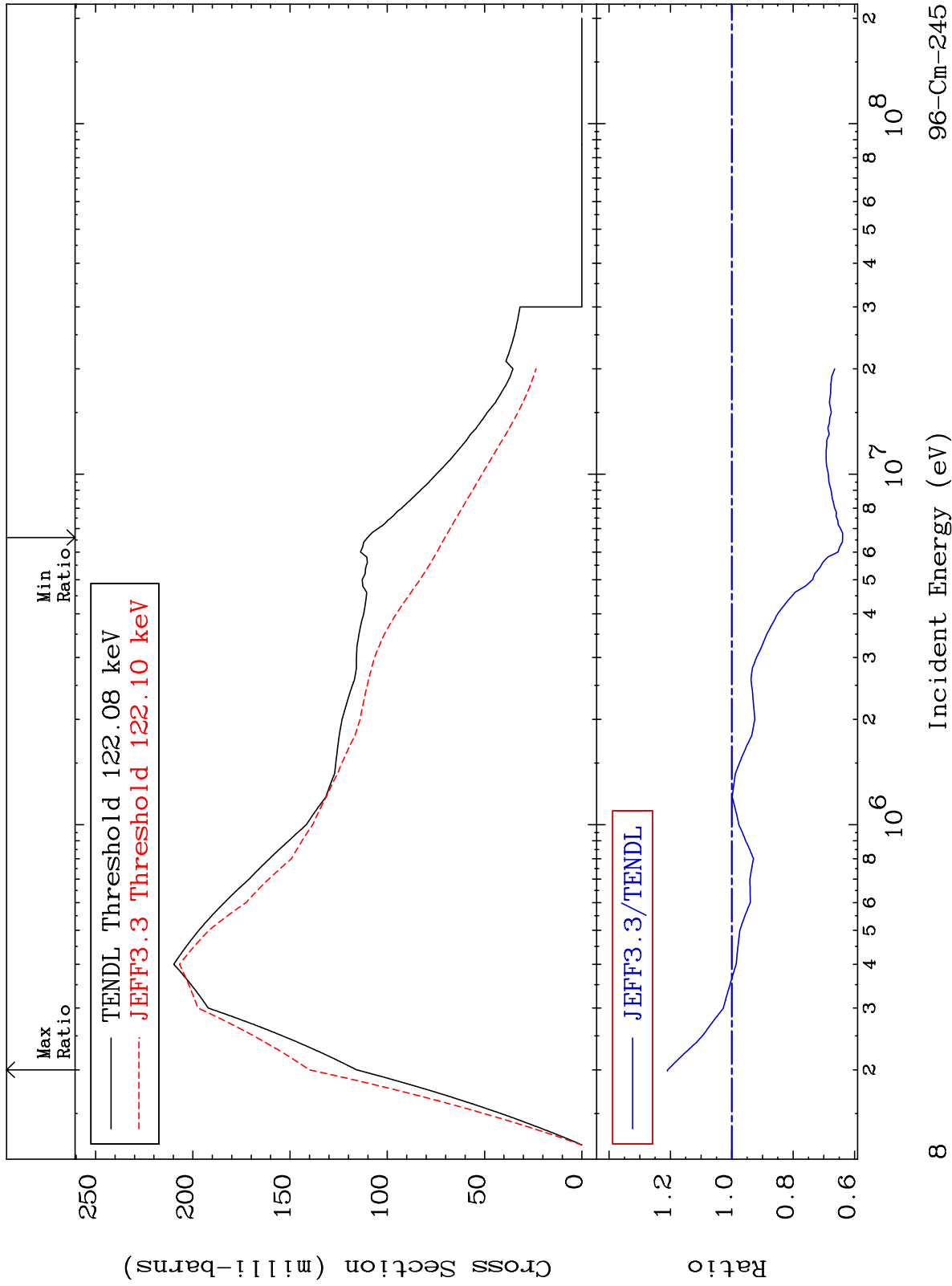
MAT 9640

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

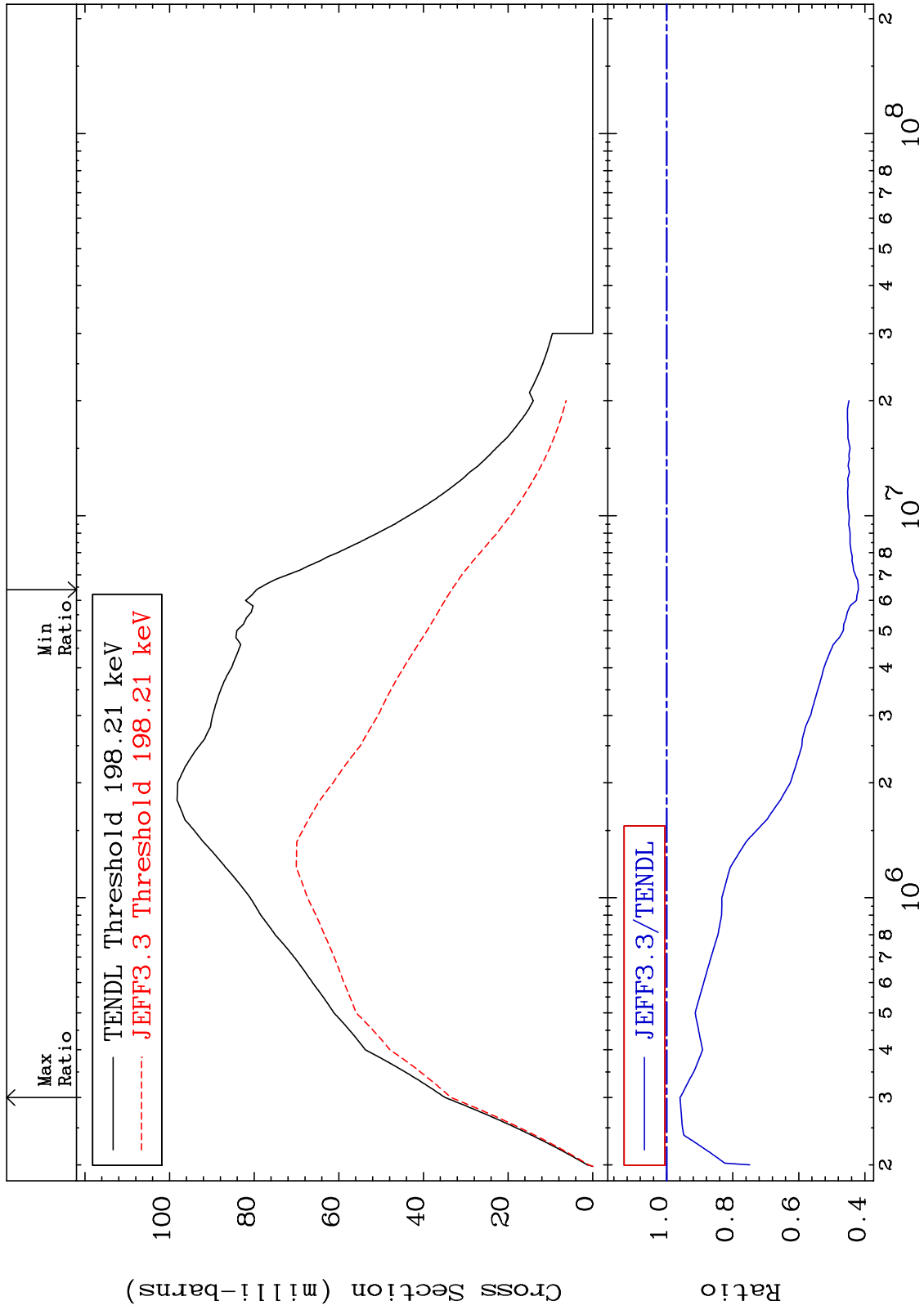
96-Cm-245
-17.12 To 60.97 %



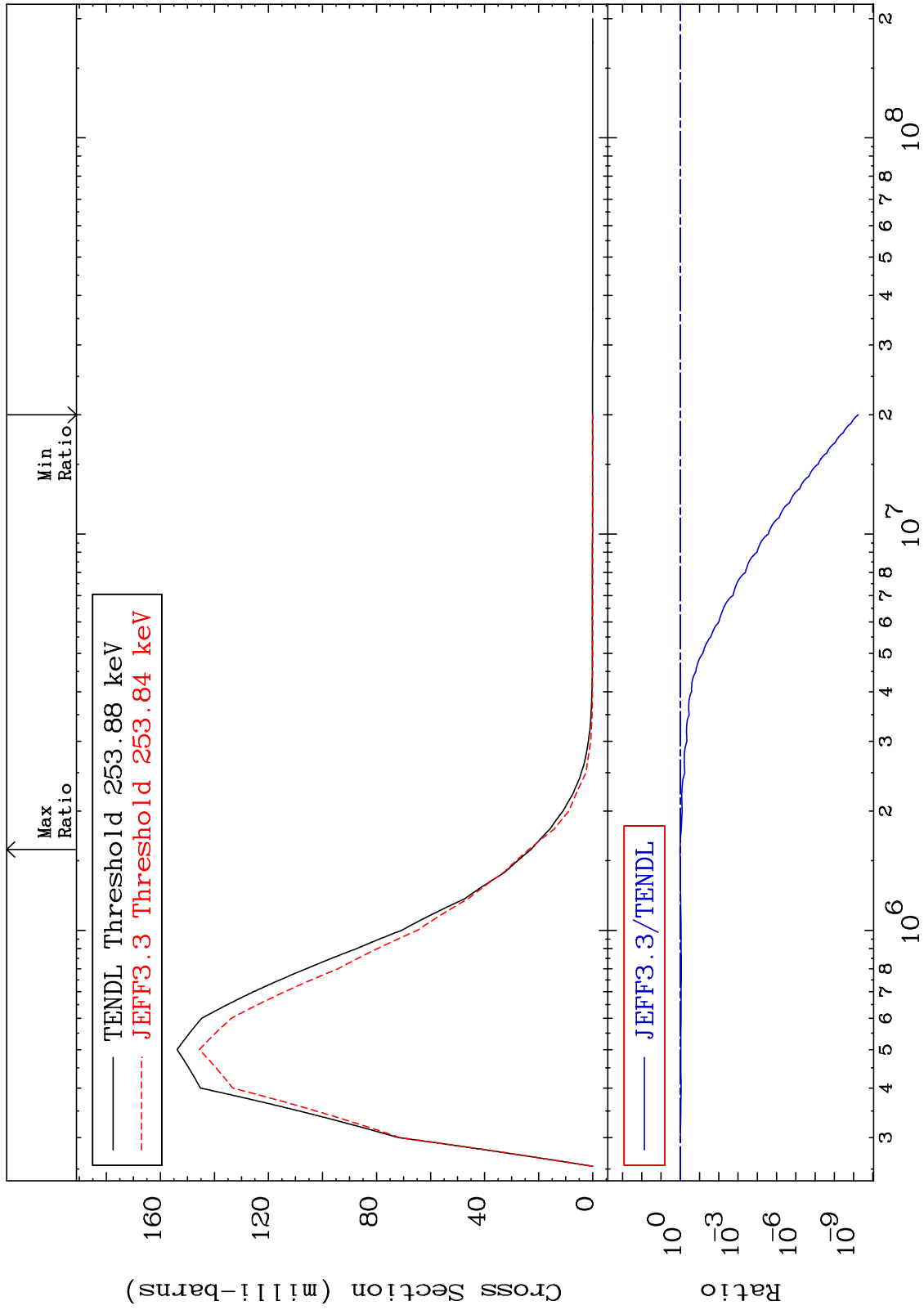
MAT 9640 MT= 52 (n,n') Level 96-Cm-245
Cross Section -36.14 To 20.95 %



MAT 9640 MT= 53 (n,n') Level Cross Section 96-Cm-245
 -58.06 To -4.019%

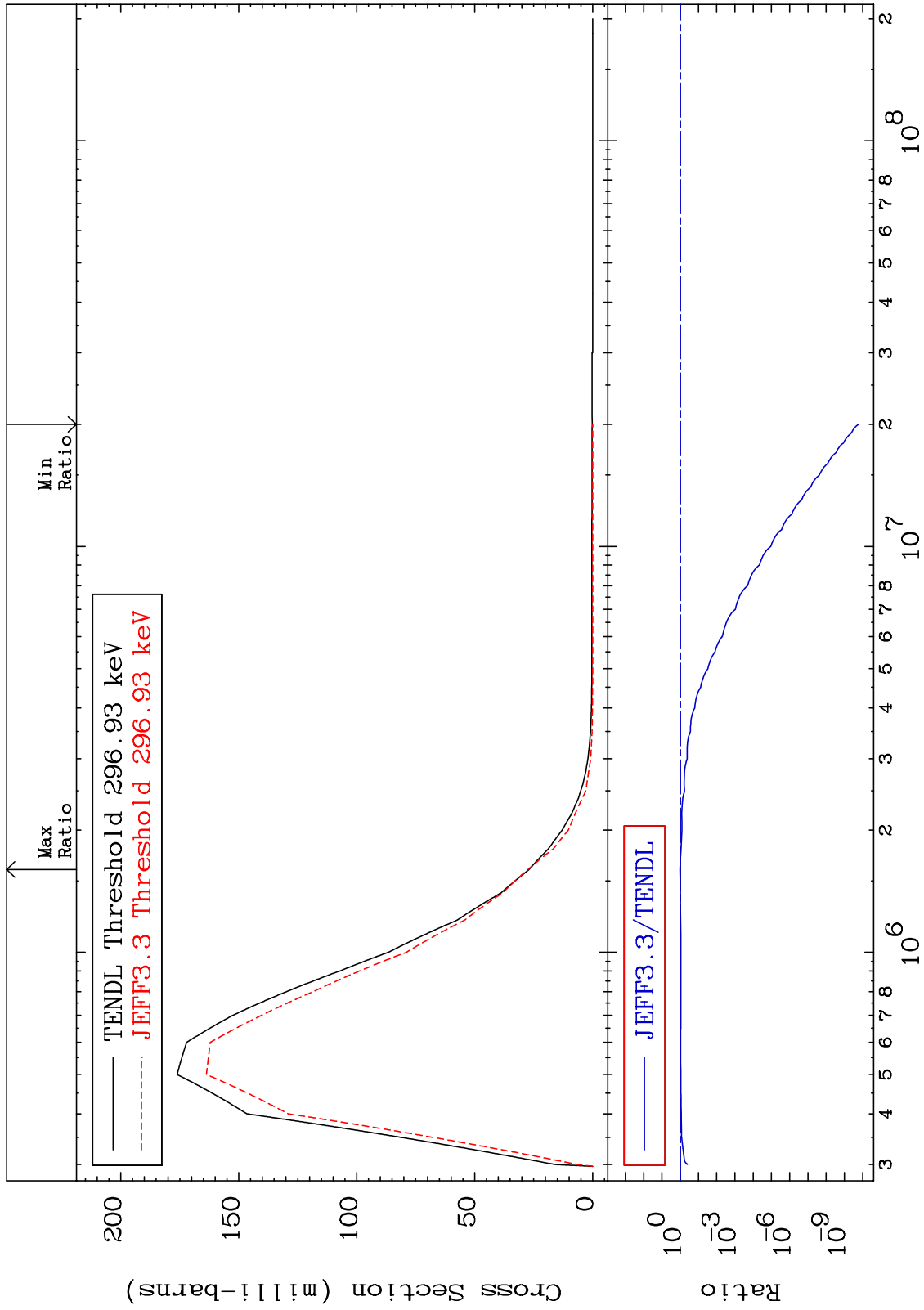


MAT 9640 MT= 54 (n,n') Level Cross Section 96-Cm-245
-100.0 To 3.429 %



10 Incident Energy (eV) 96-Cm-245

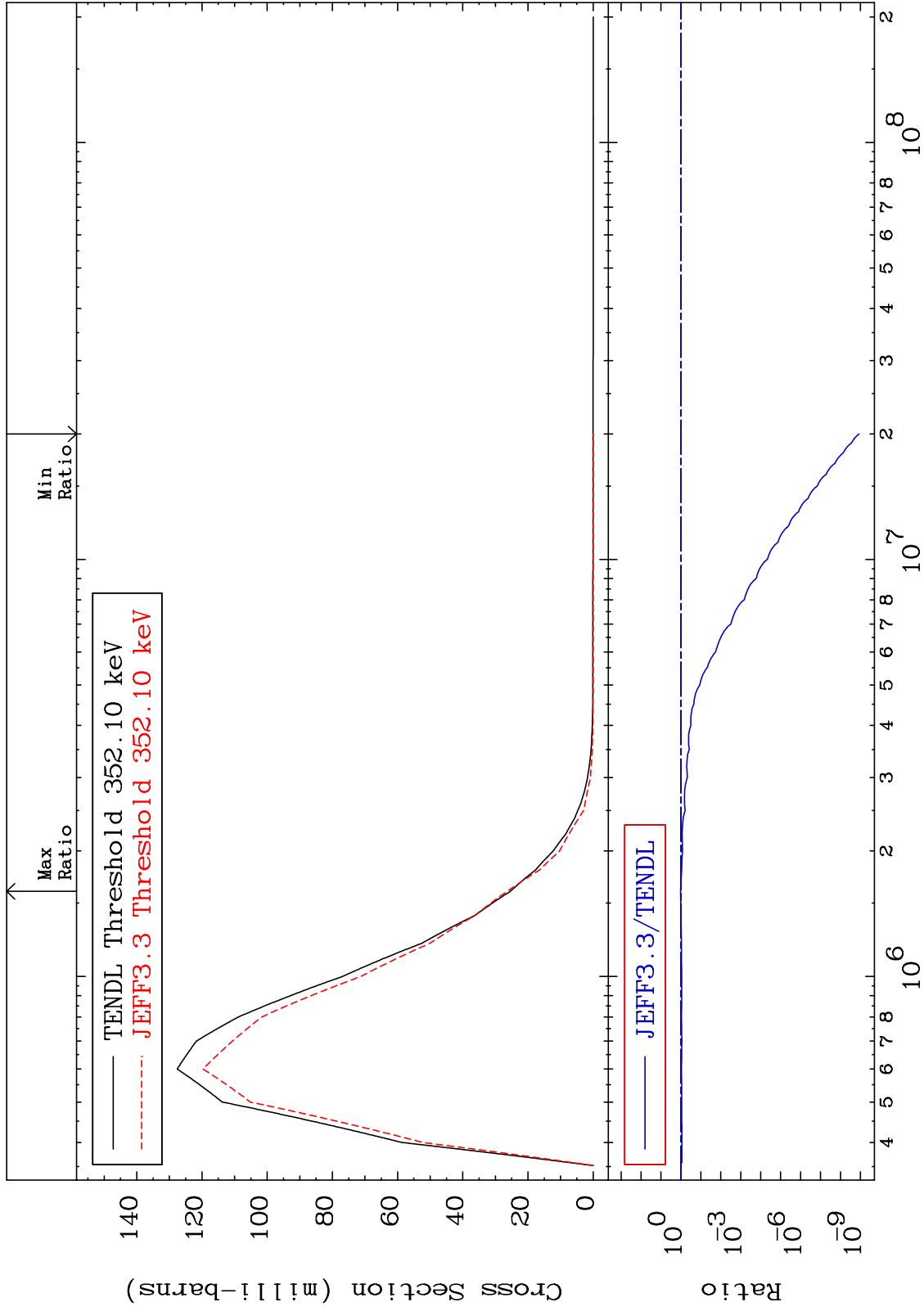
MAT 9640 MT= 55 (n,n') Level Cross Section 96-Cm-245
 -100.0 To 1.787 %



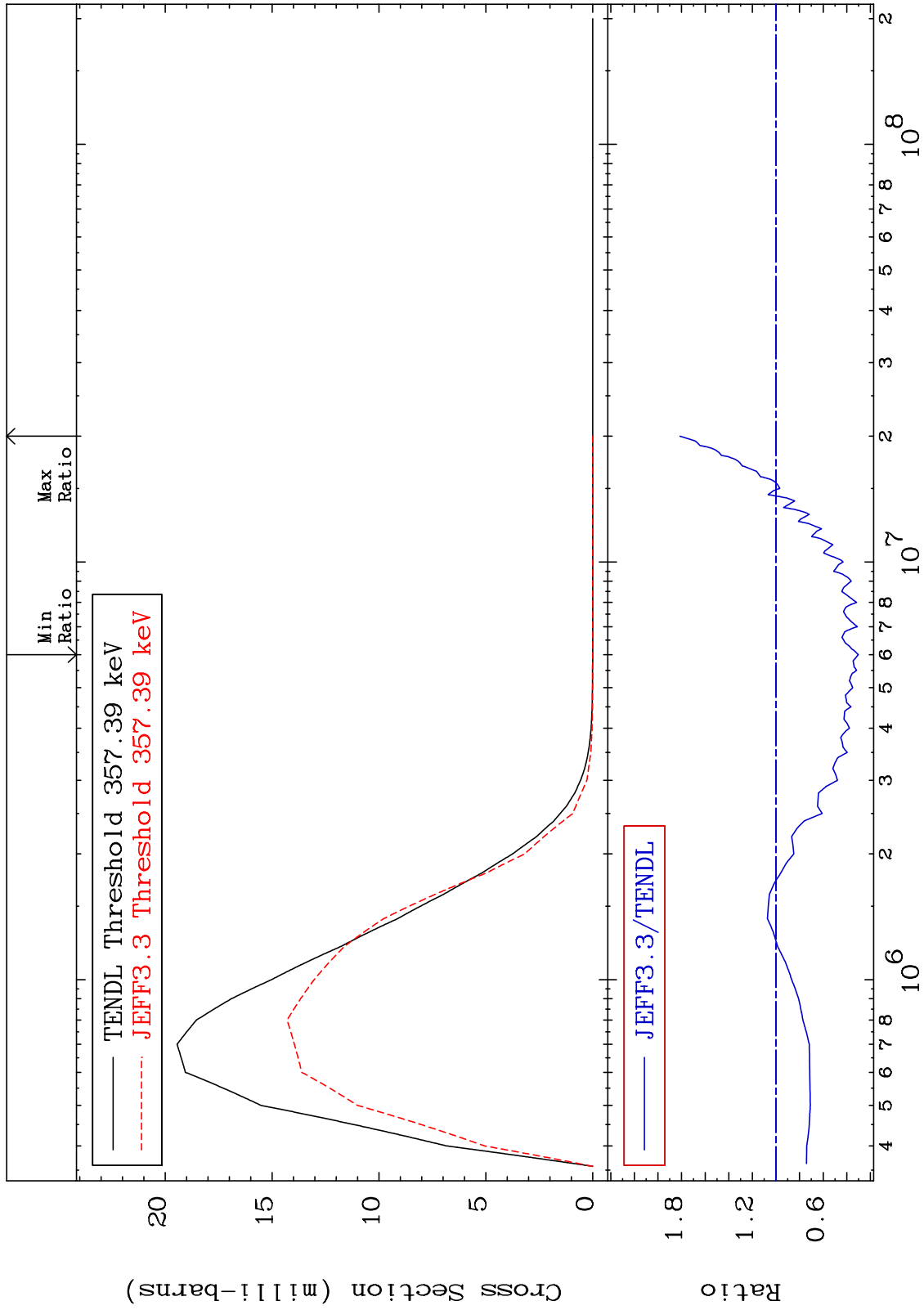
MAT 9640

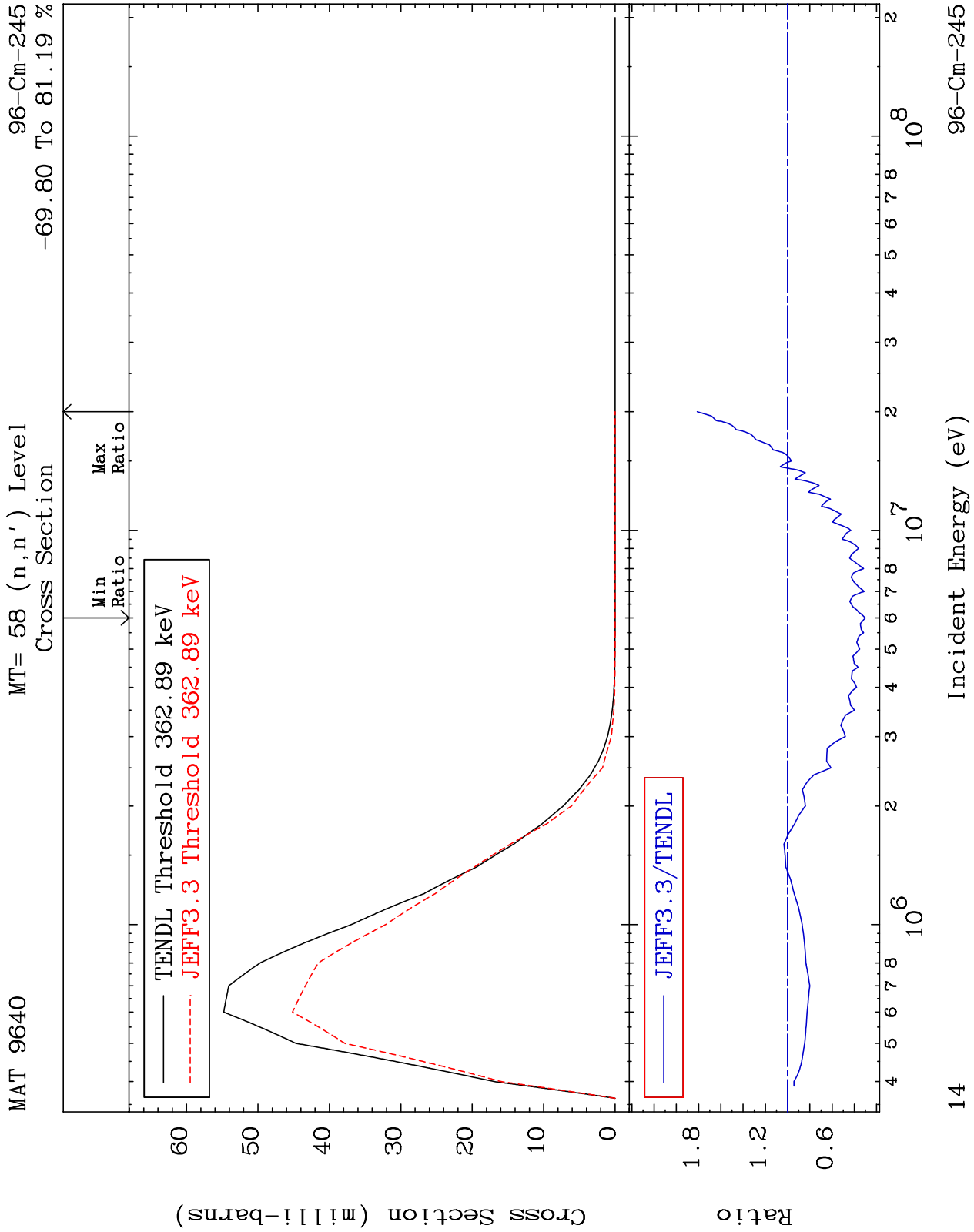
MT= 56 (n,n') Level
Cross Section

96-Cm-245
-100.0 To 3.785 %



MAT 9640 MT= 57 (n,n') Level Cross Section 96-Cm-245
 -69.89 To 81.32 %

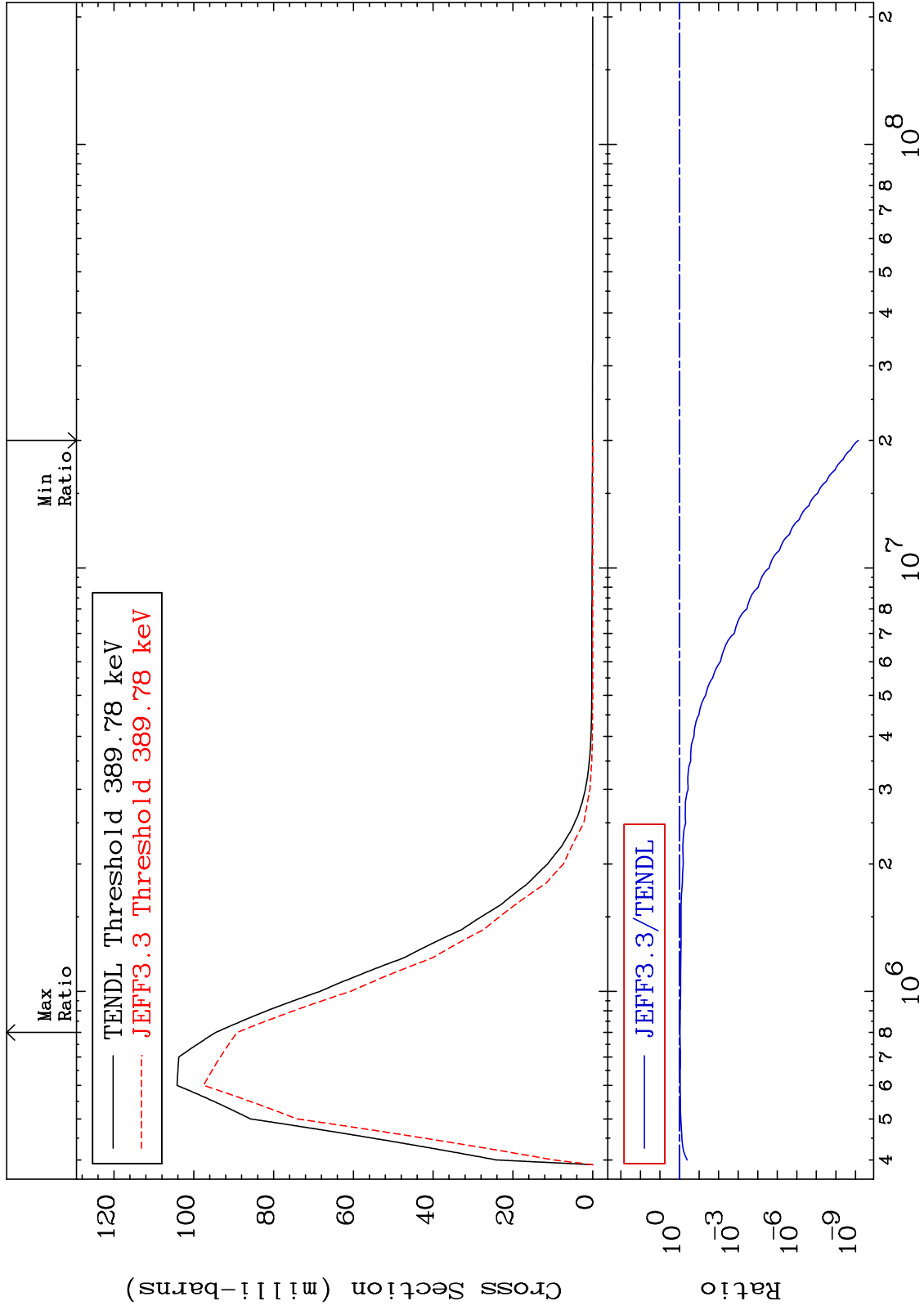




MAT 9640

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

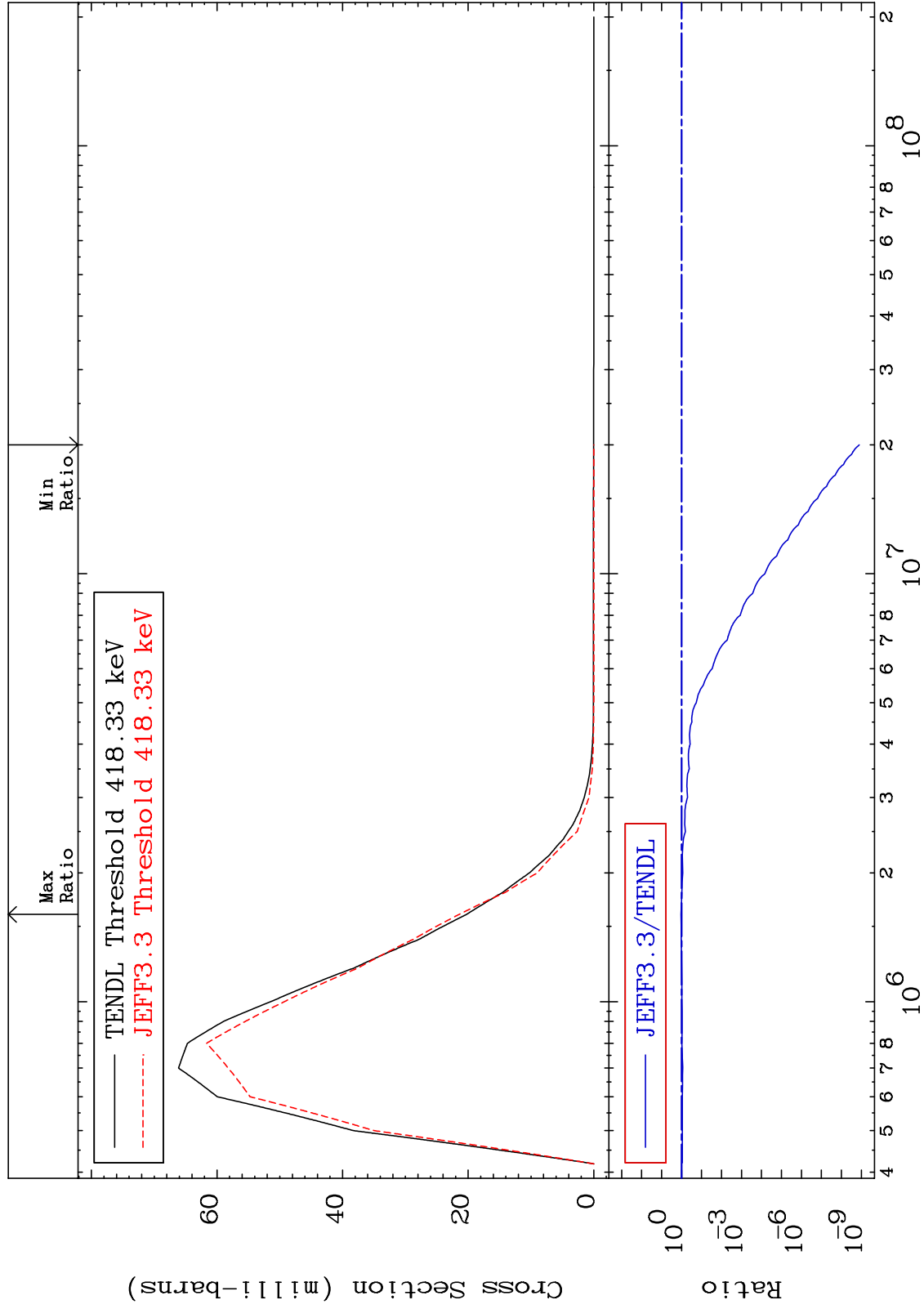
96-Cm-245
-100.0 To -5.655%



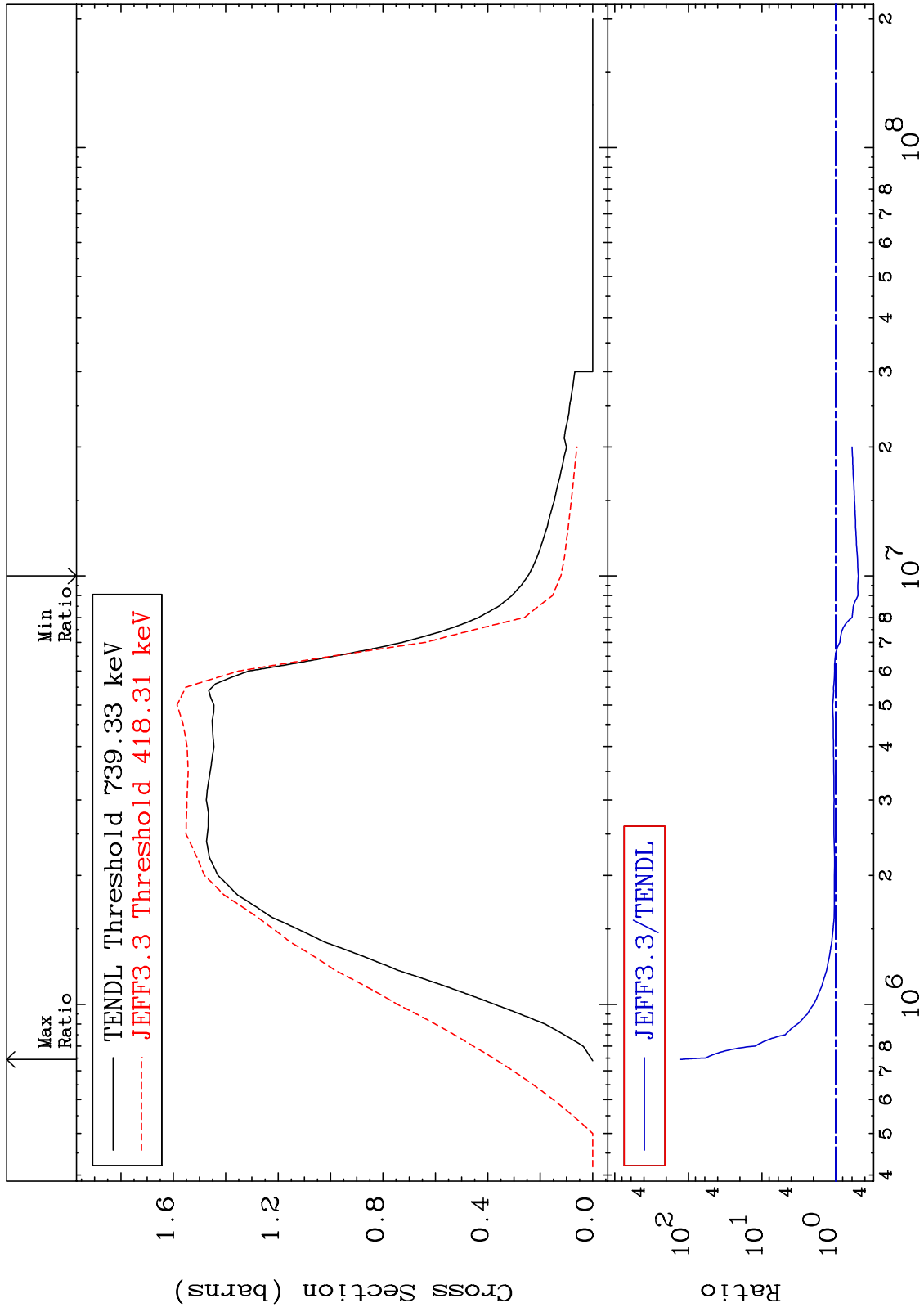
MAT 9640

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

96-Cm-245
-100.0 To 5.866 %



MAT 9640 (n,n') Continuum Cross Section 96-Cm-245 -50.98 To 9999. %

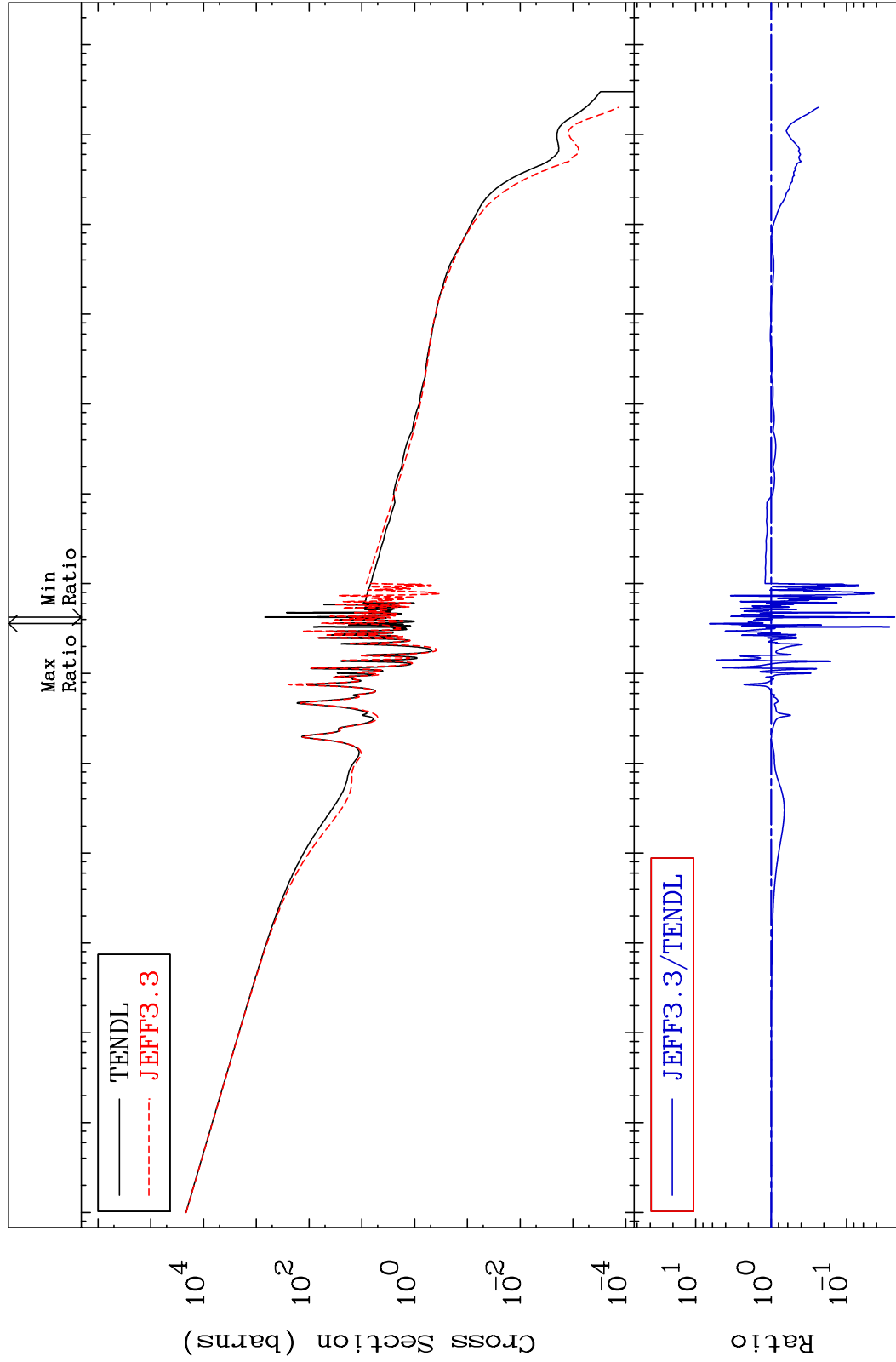


MAT 9640

96-Cm-245

-97.72 To 559.2 %

(n, γ)
Cross Section



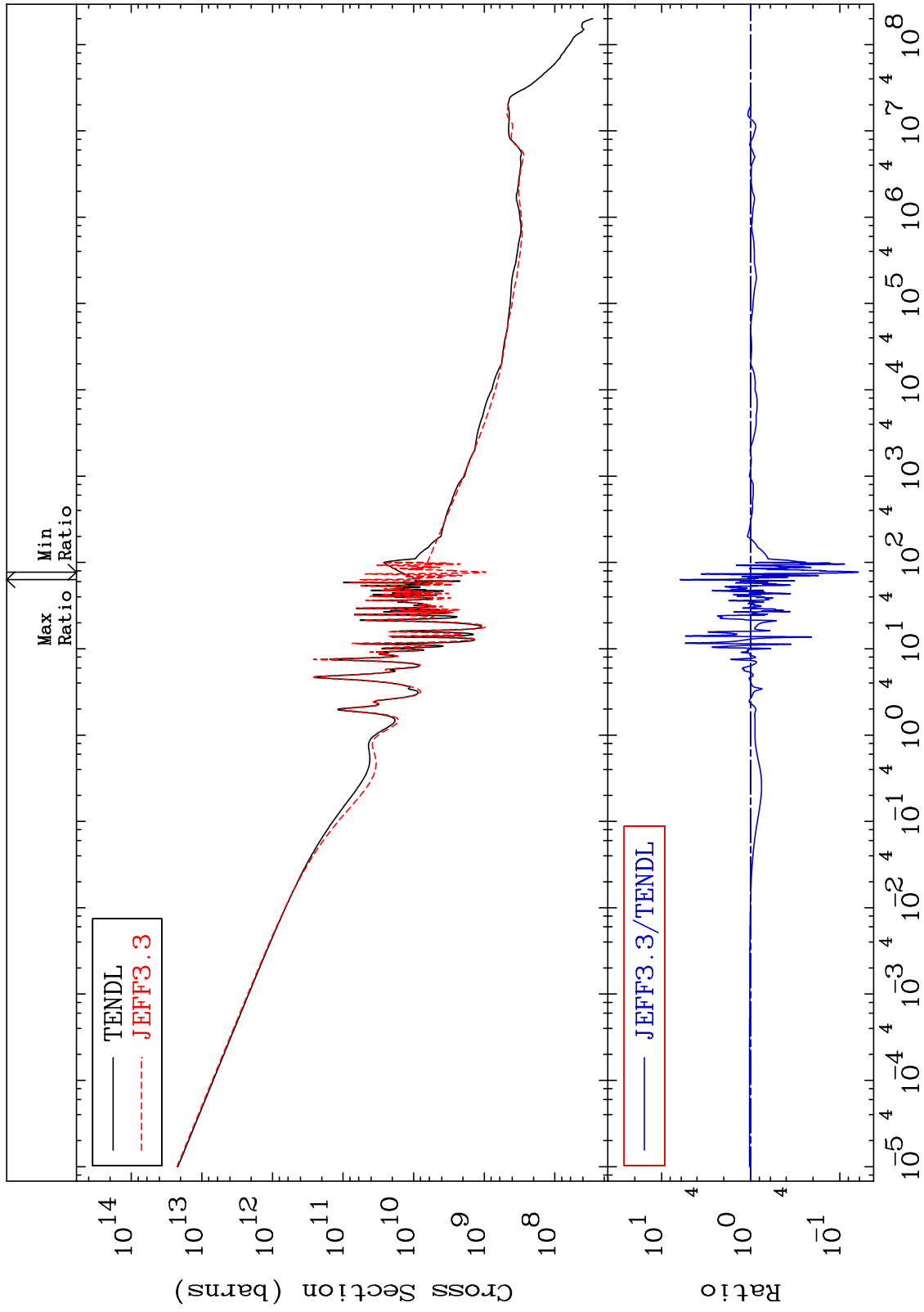
Incident Energy (eV)

96-Cm-245

MAT 9640

Kerma total (eV-barns)
Cross Section

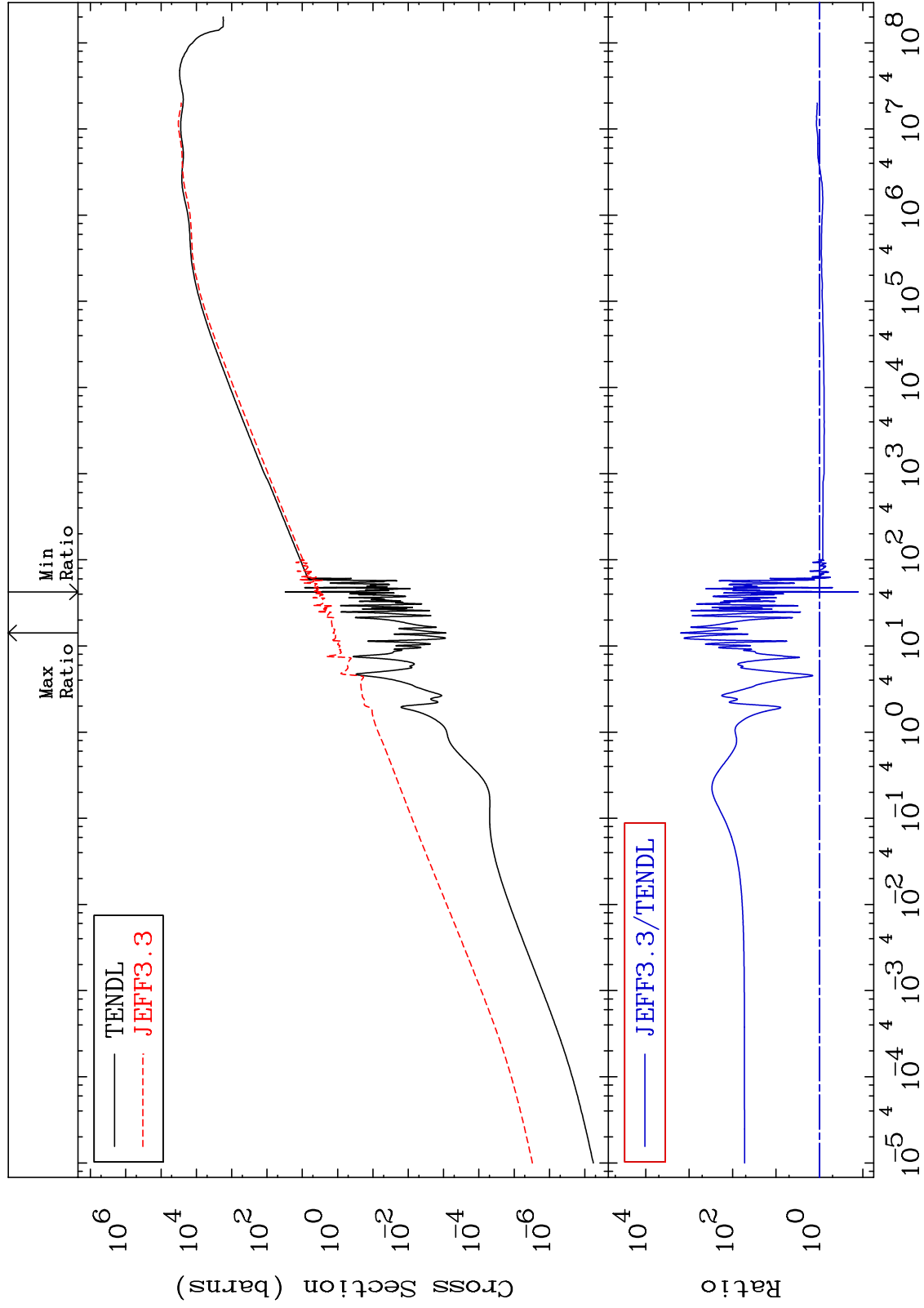
96-Cm-245
-93.83 To 521.2 %



MAT 9640

Kerma elastic
Cross Section

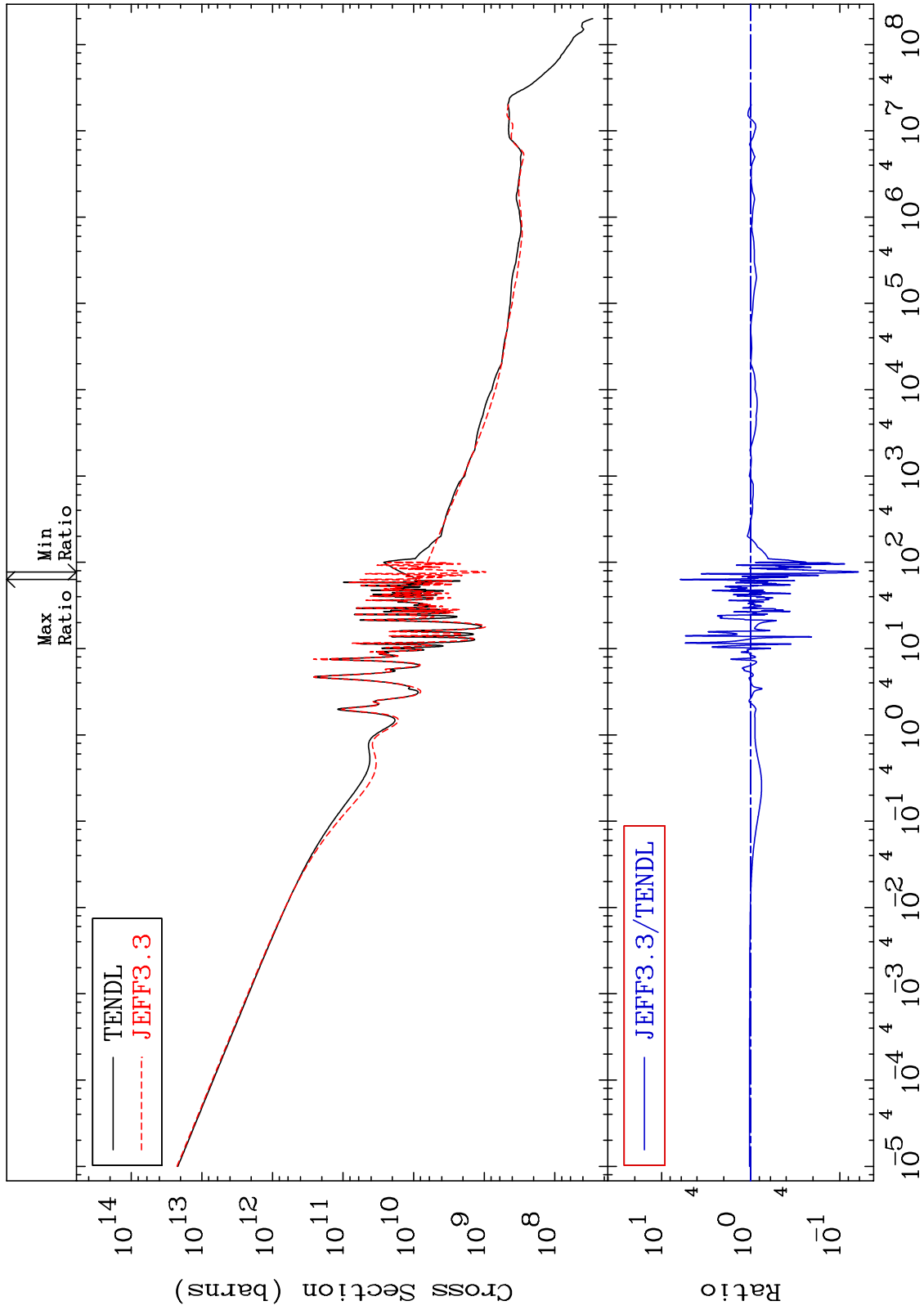
96-Cm-245
-87.36 To 9999. %



MAT 9640

Kerma non-elastic (all but mt2)
Cross Section

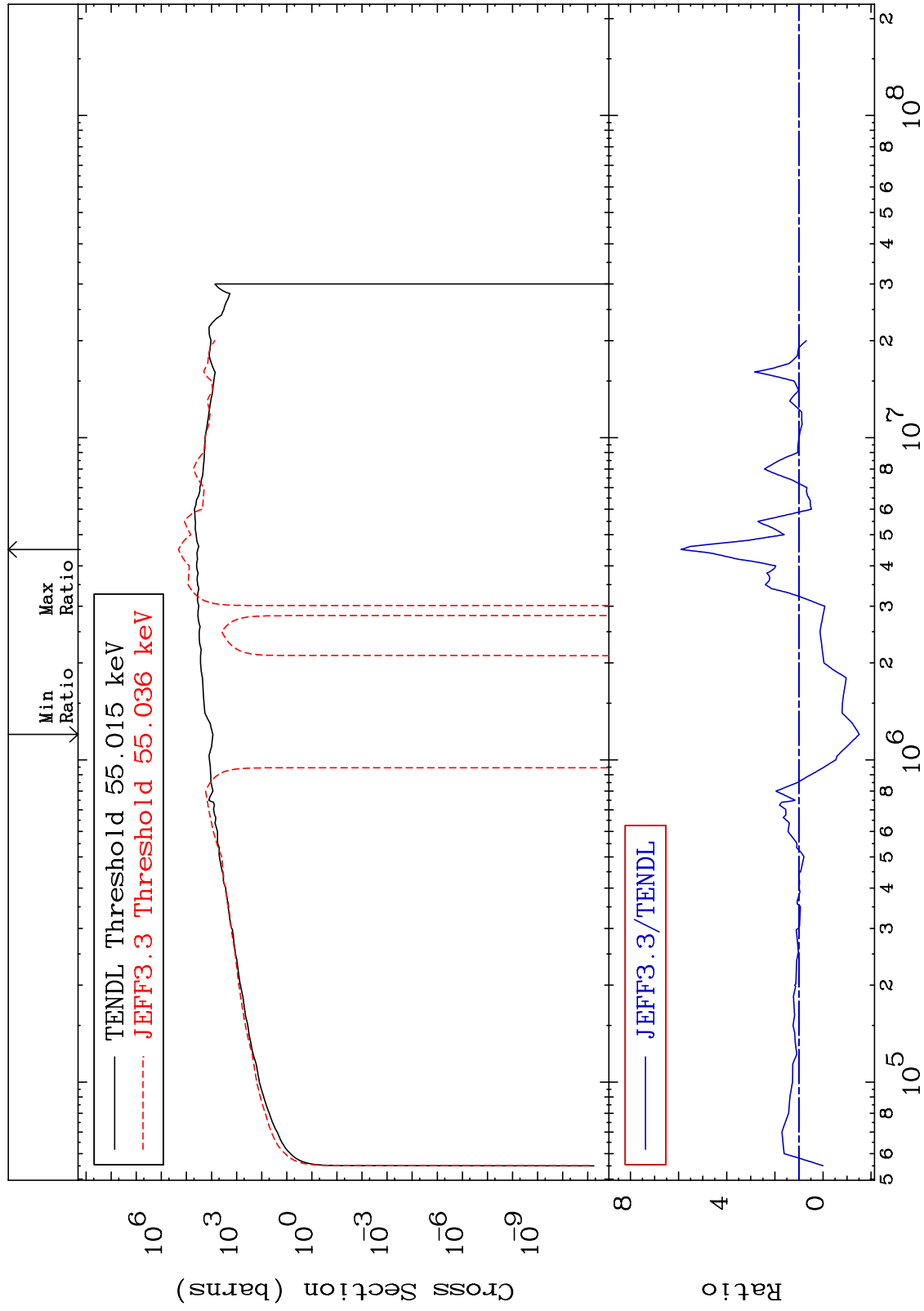
96-Cm-245
-93.83 To 521.2 %



MAT 9640

Kerma inelastic (mt51-91)
Cross Section

96-Cm-245
-250.9 To 489.9 %



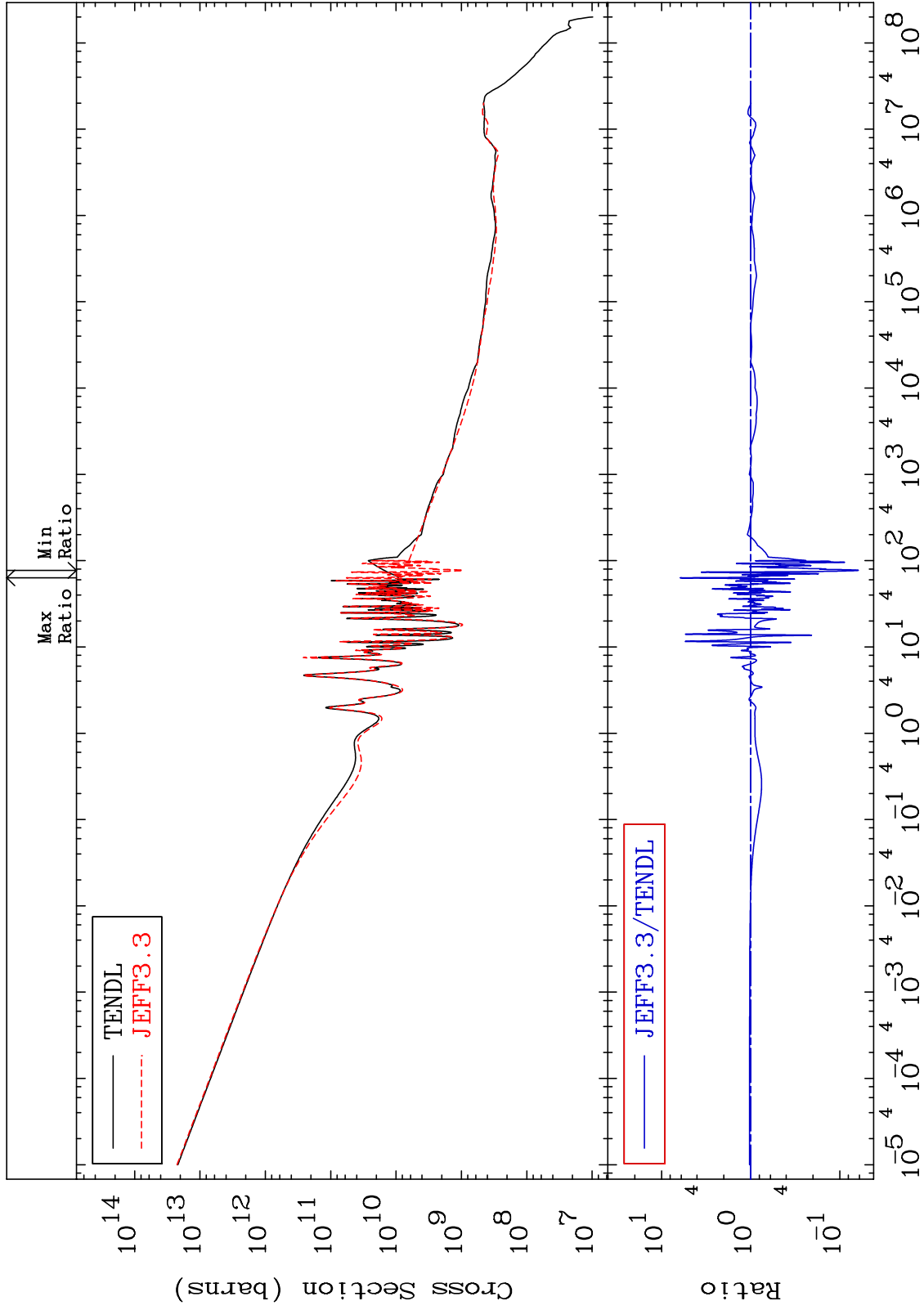
22

96-Cm-245

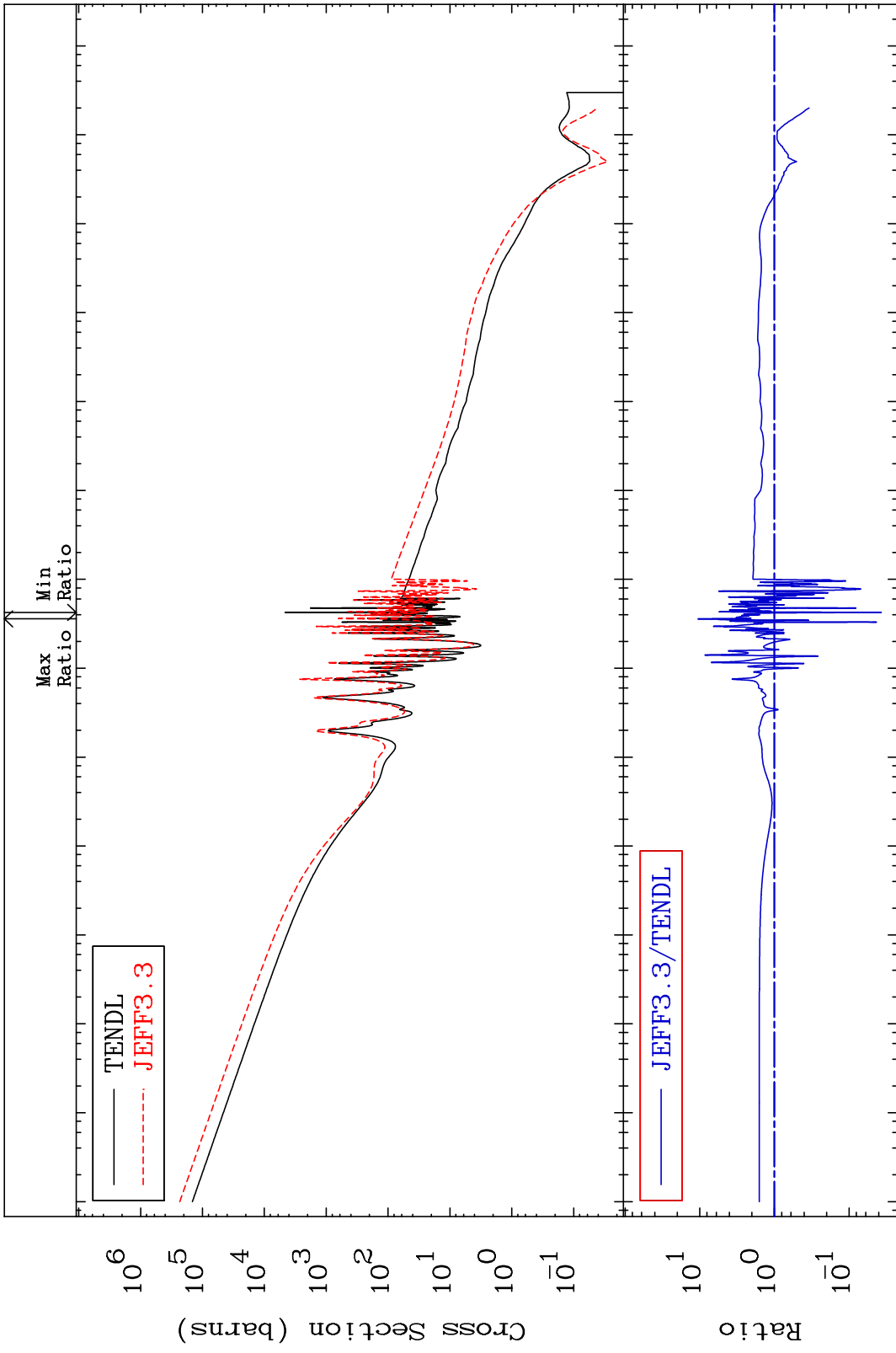
MAT 9640

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

96-Cm-245
-93.83 To 521.2 %



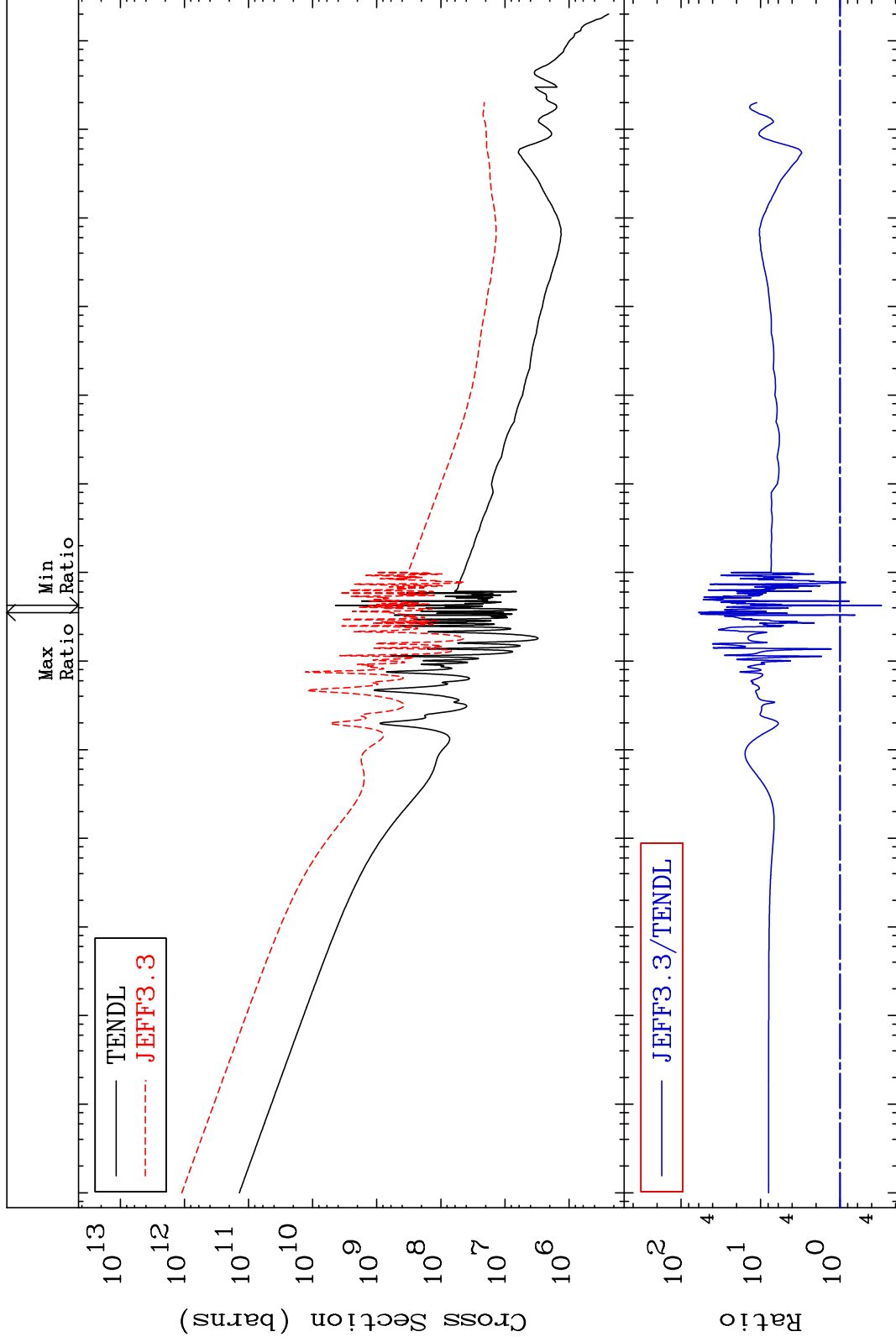
MAT 9640 Kerma capture (mt102) 96-Cm-245
 Cross Section -96.32 To 962.8 %



MAT 9640

Total photon (eV-barns)
Cross Section

96-Cm-245
-69.99 To 5952. %



25

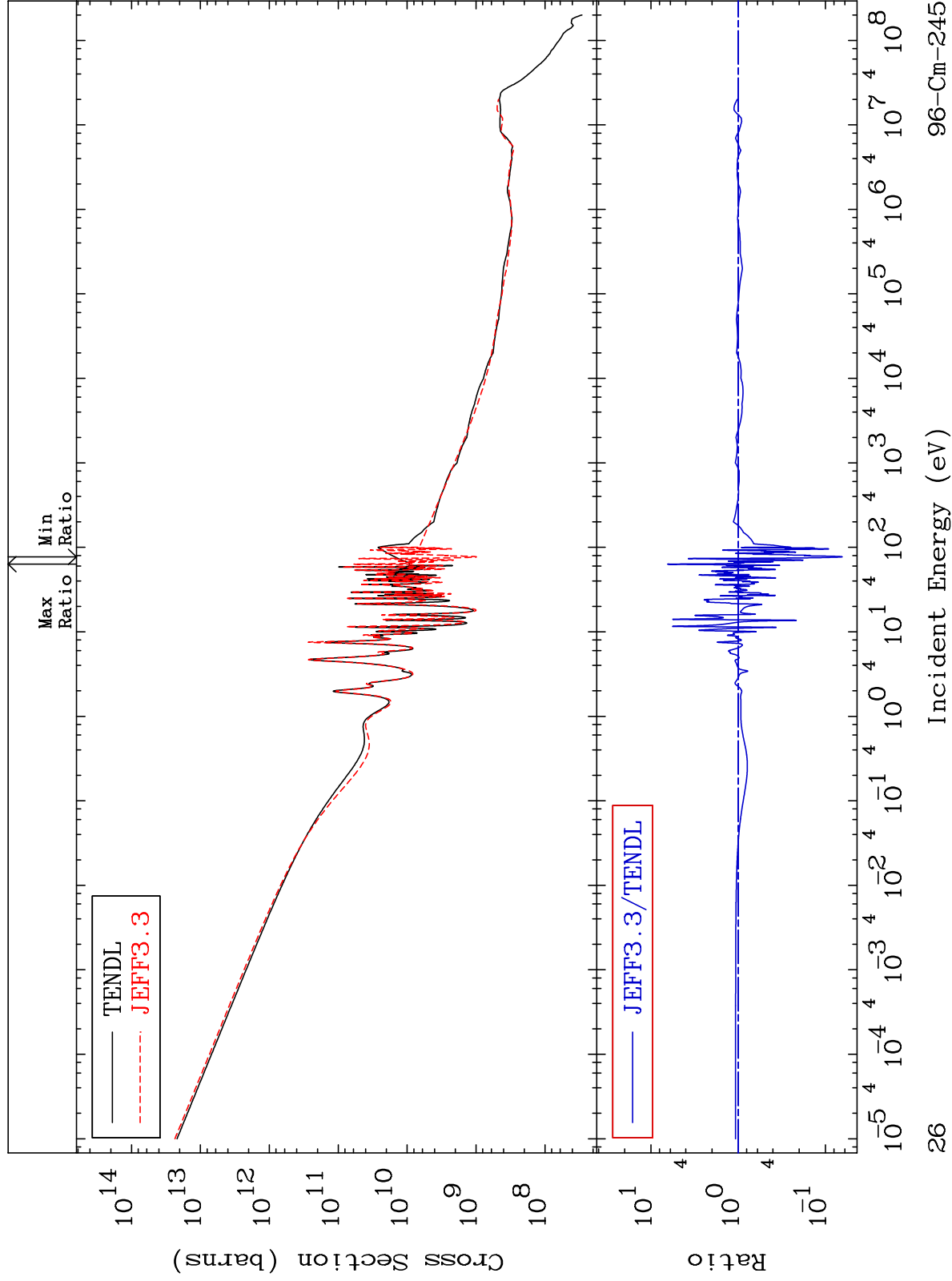
Incident Energy (eV)

96-Cm-245

MAT 9640

Total kinematic kerma (high limit)
Cross Section

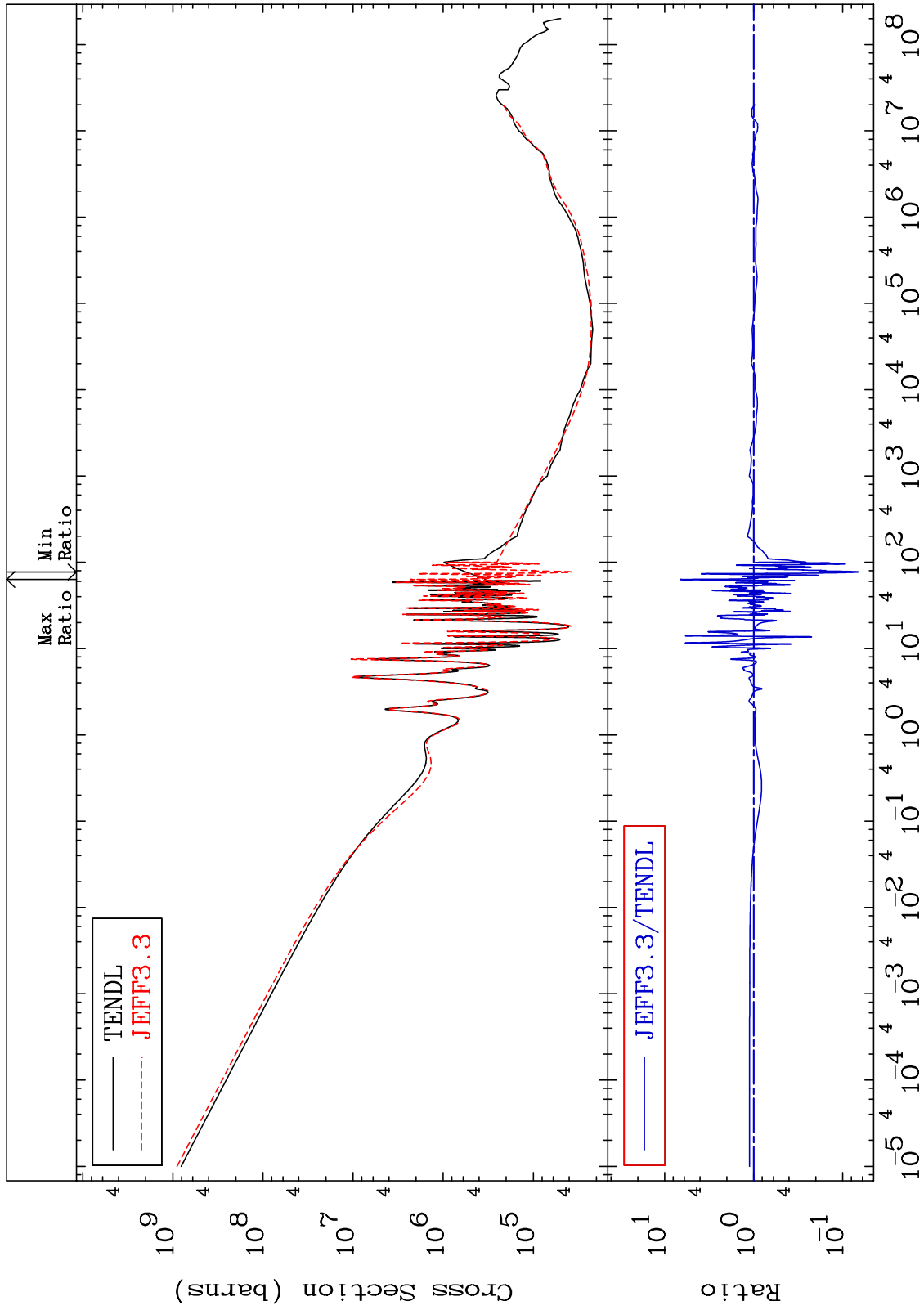
96-Cm-245
-93.57 To 547.9 %



MAT 9640

Dpa total (eV-barns)
Cross Section

96-Cm-245
-93.34 To 571.1 %



27

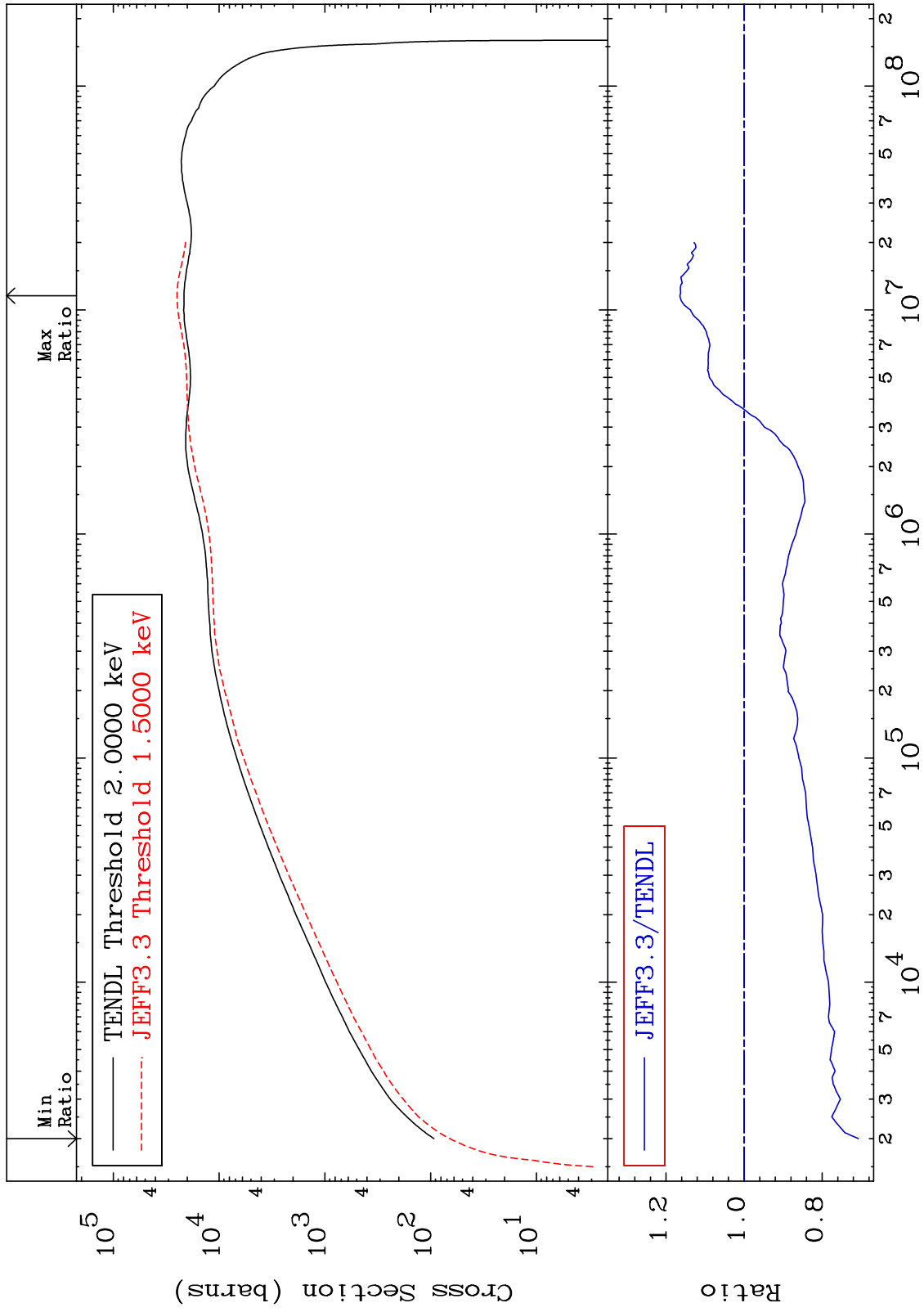
Incident Energy (eV)

96-Cm-245

MAT 9640

Dpa elastic (mt2)
Cross Section

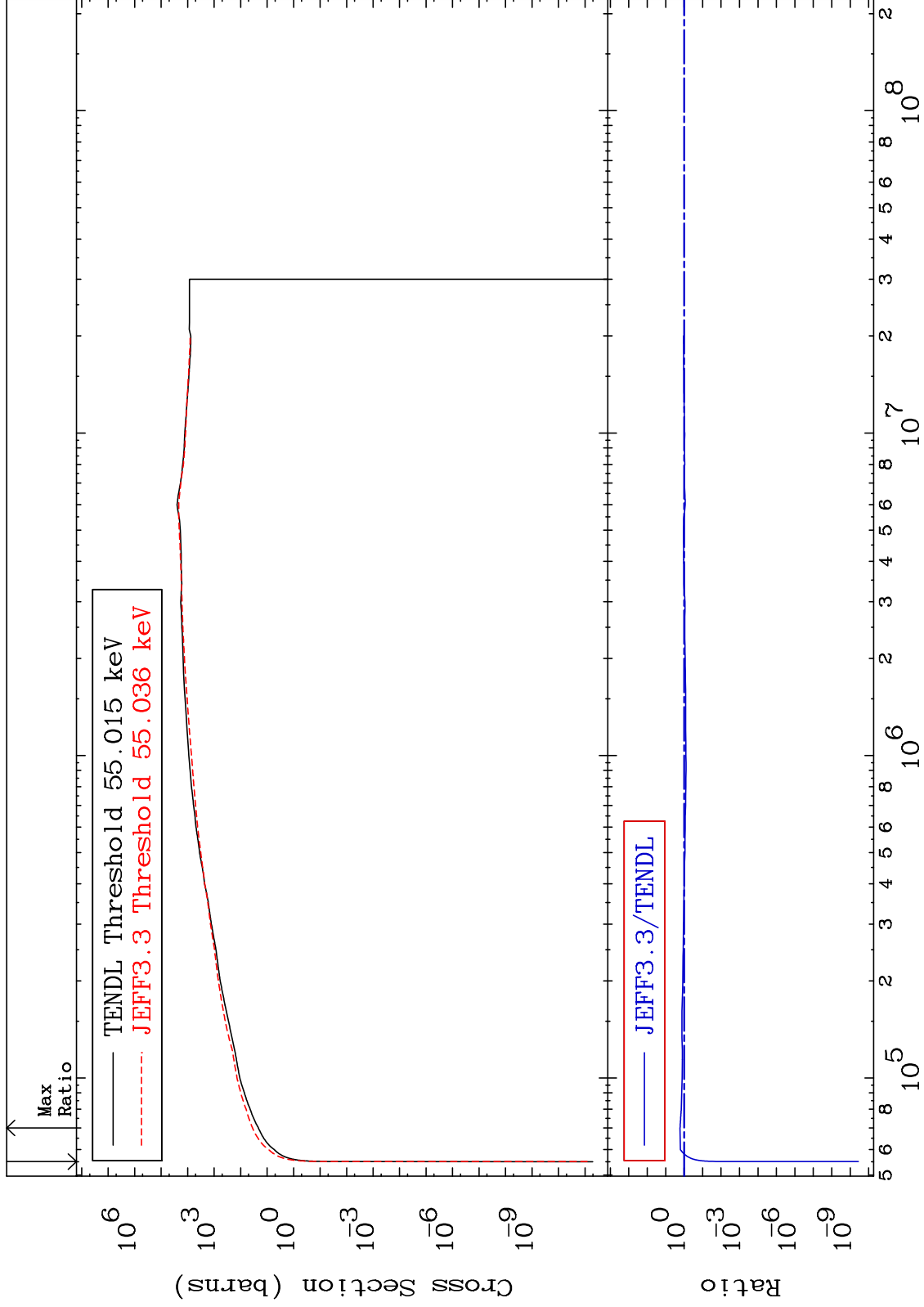
96-Cm-245
-29.29 To 16.42 %



MAT 9640

Dpa inelastic (mt51-91)
Cross Section

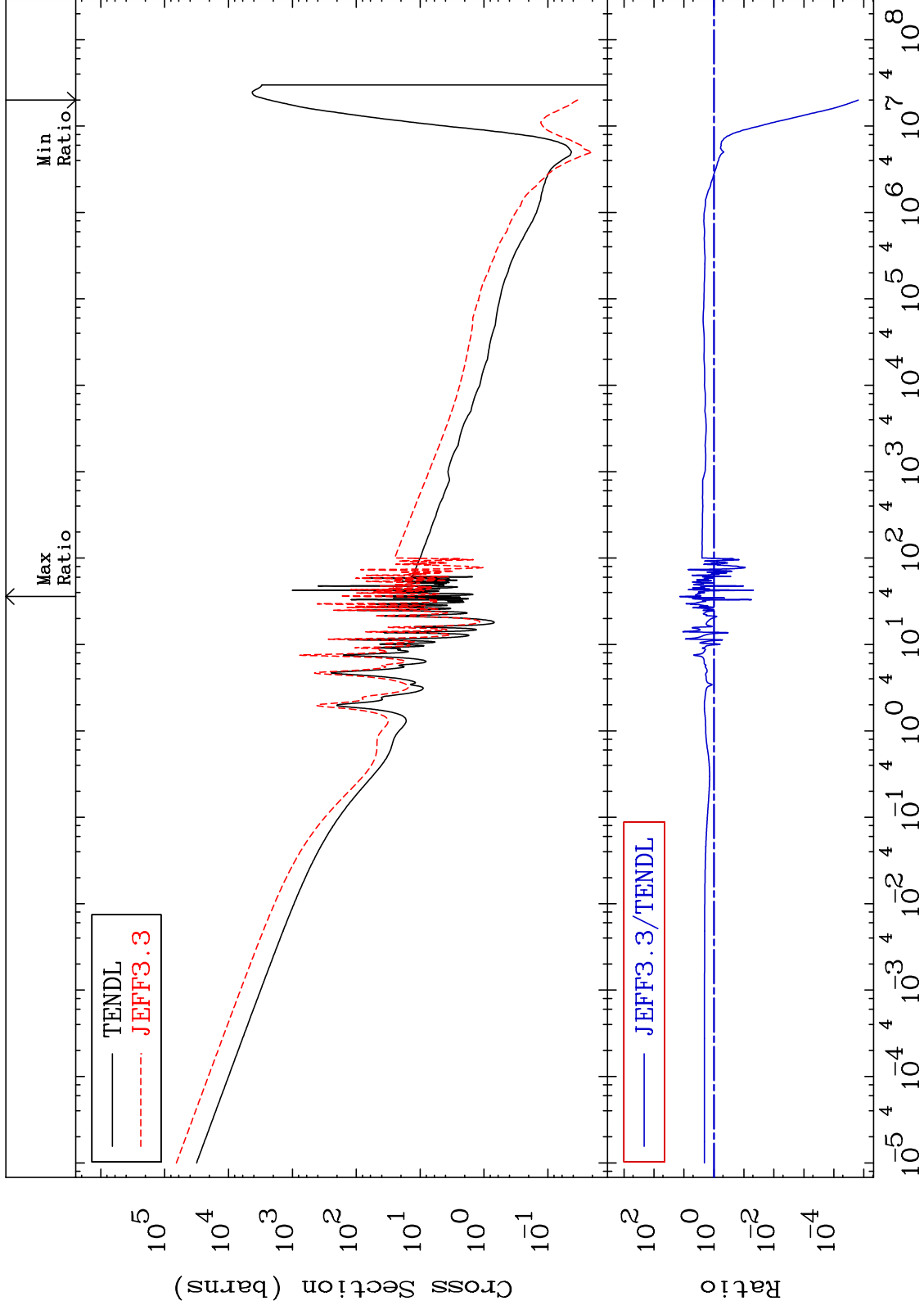
96-Cm-245
-100.0 To 66.87 %



MAT 9640

Dpa disappearance (mt102 -120)
Cross Section

96-Cm-245
-100.0 To 1276. %



30

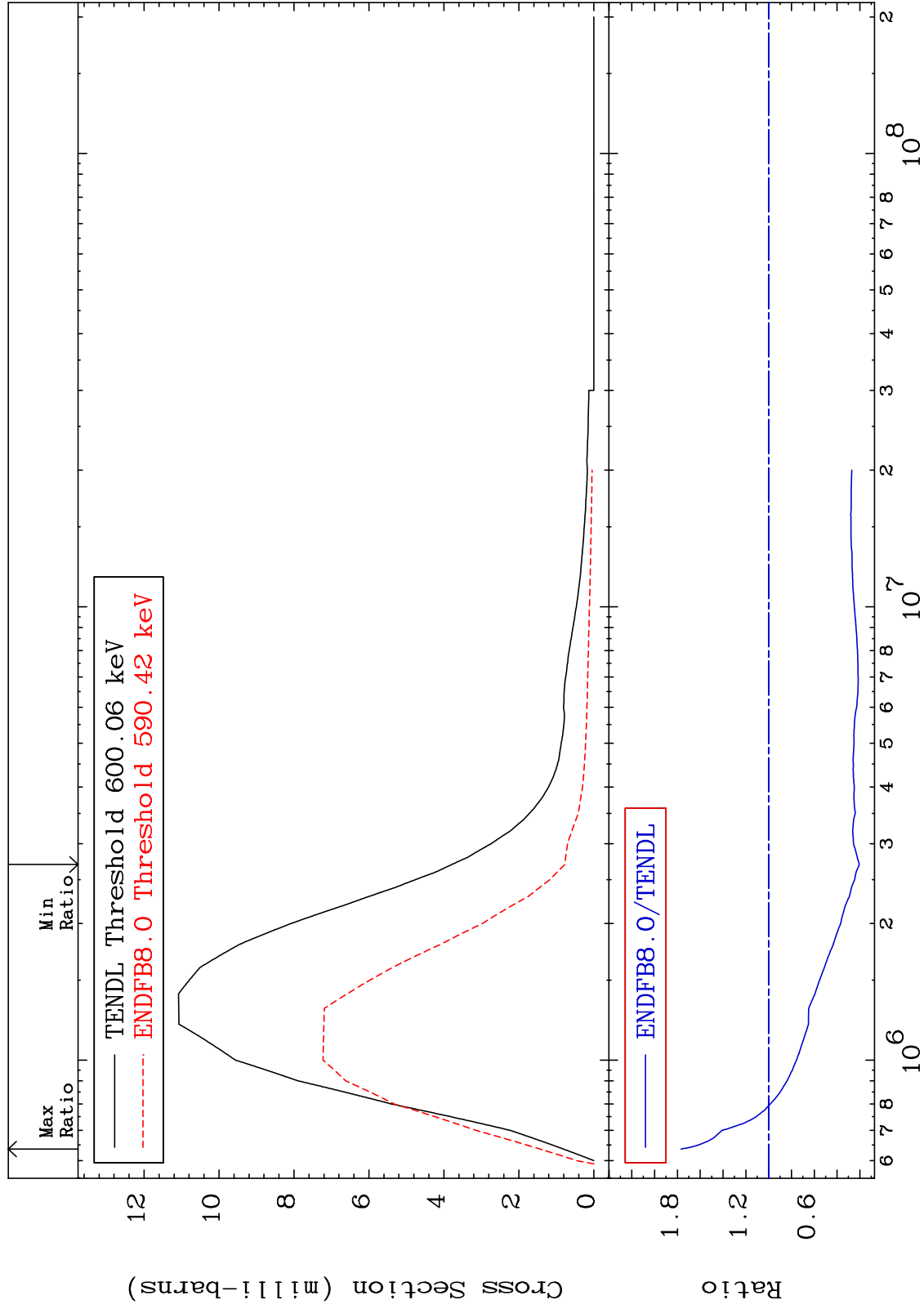
Incident Energy (eV)

96-Cm-245

MAT 9640

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

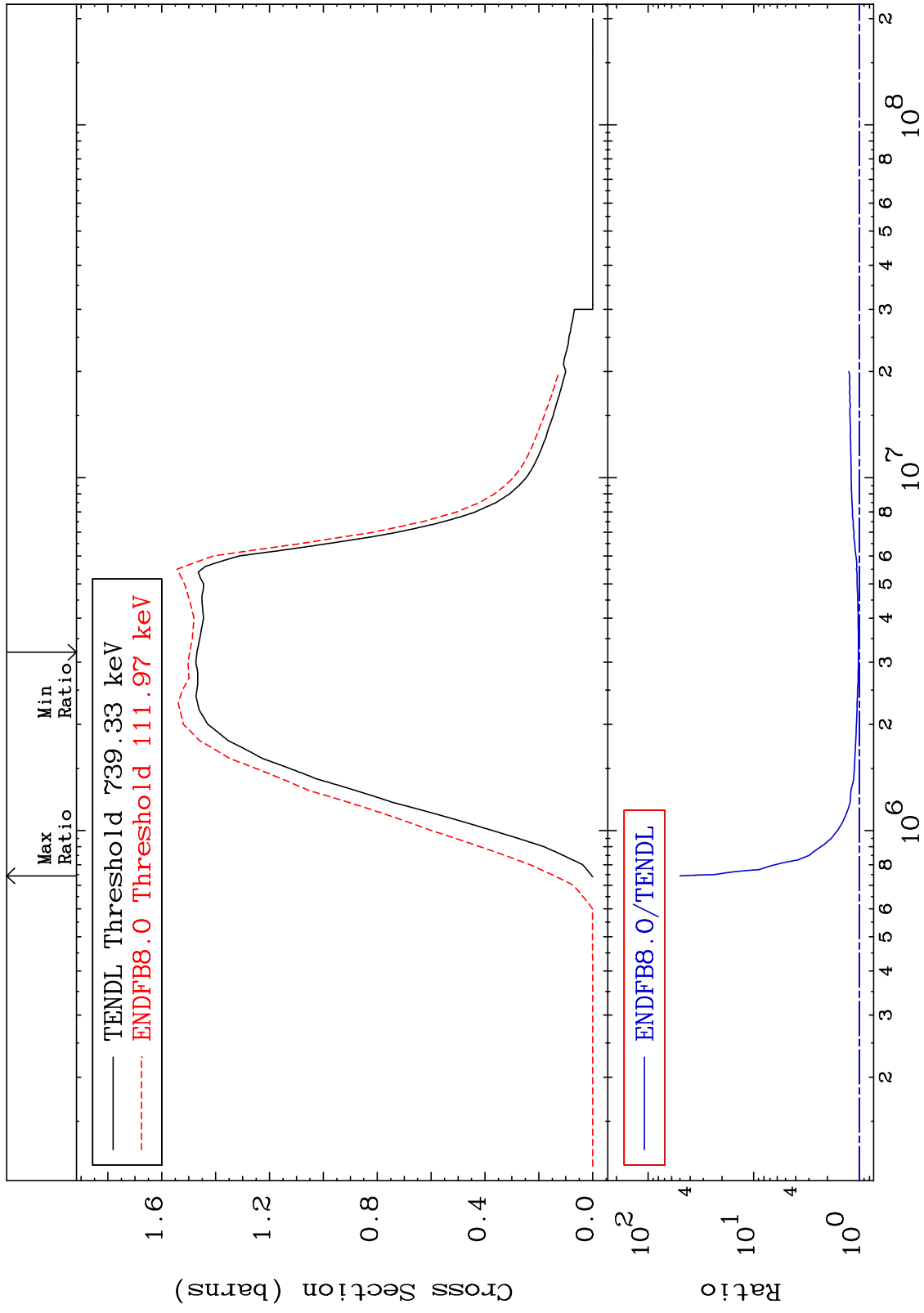
96-Cm-245
-79.51 To 76.83 %



MAT 9640

(n,n') Continuum
Cross Section

96-Cm-245
1.822 To 4893. %

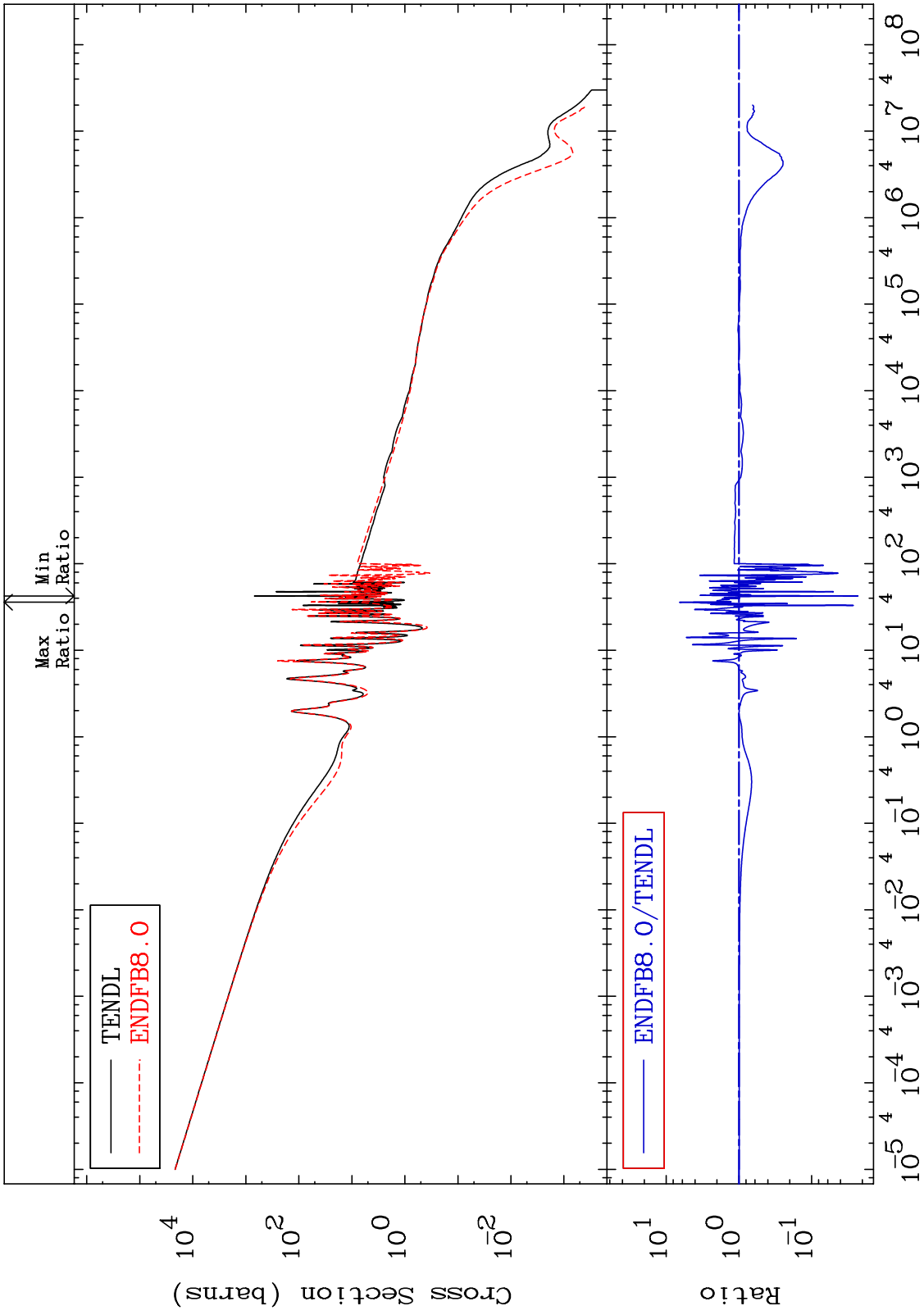


MAT 9640

96-Cm-245

-97.72 To 559.2 %

(n, γ)
Cross Section



96-Cm-245

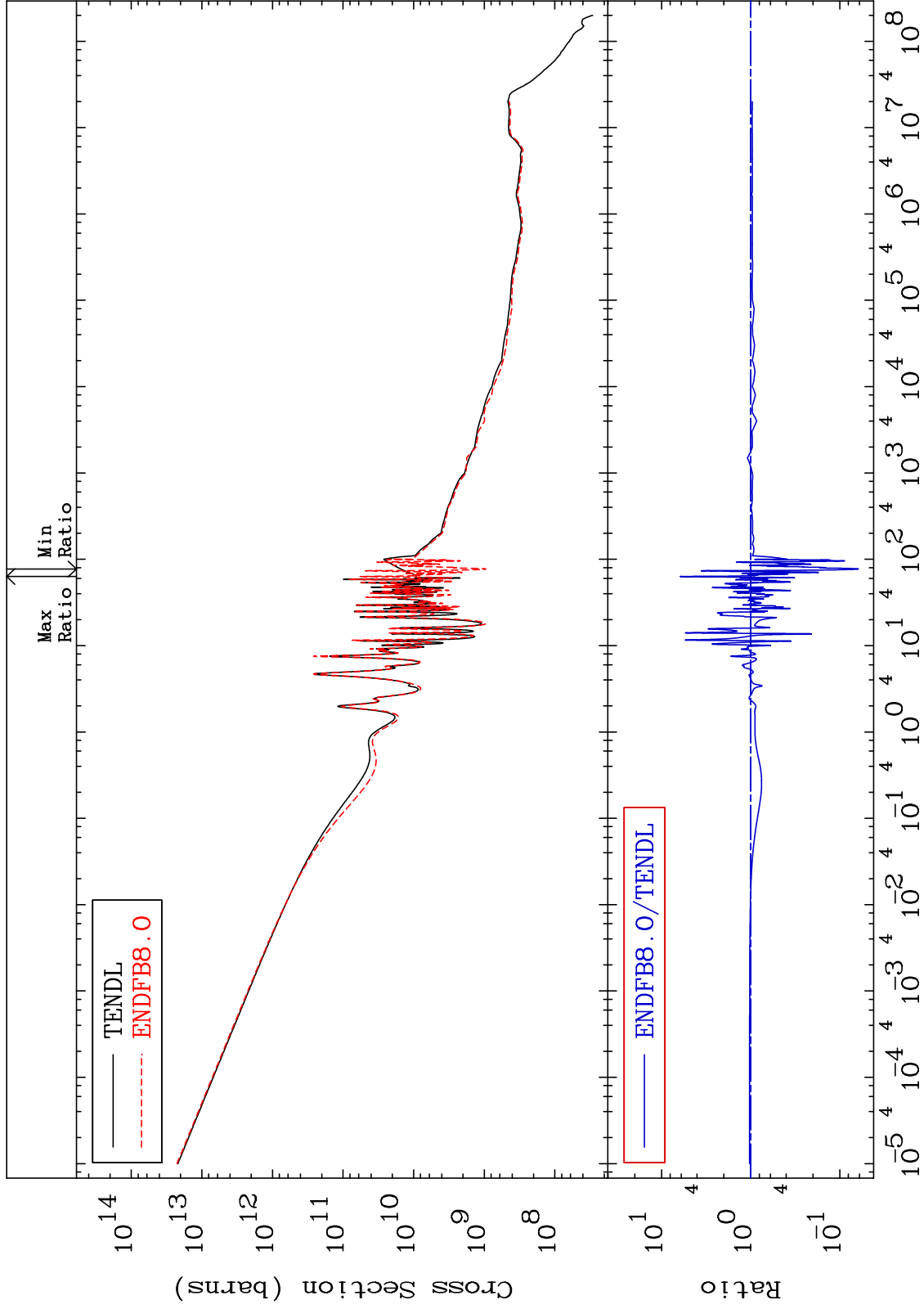
Incident Energy (eV)

33

MAT 9640

Kerma total (eV-barns)
Cross Section

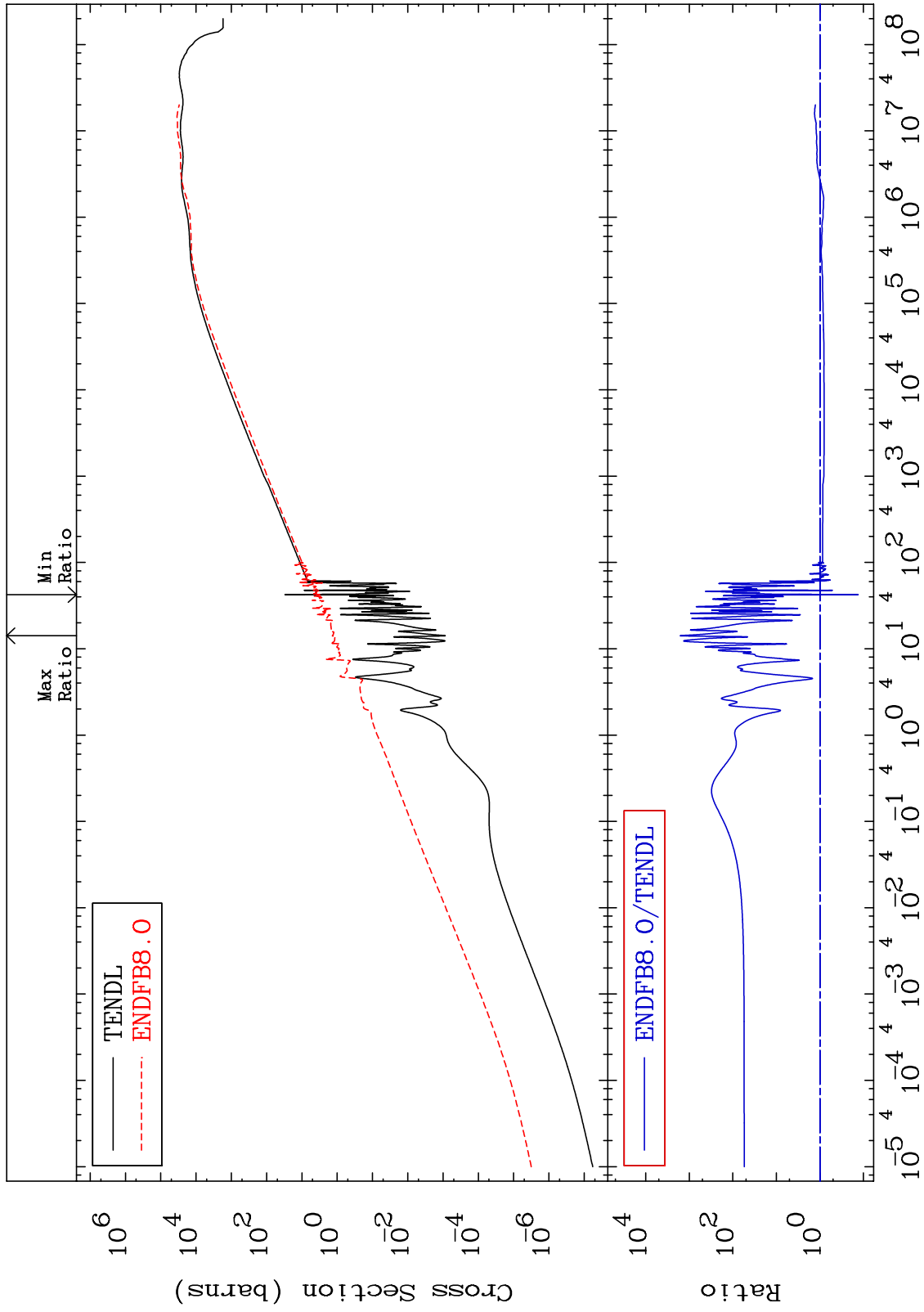
96-Cm-245
-93.83 To 521.2 %



MAT 9640

Kerma elastic
Cross Section

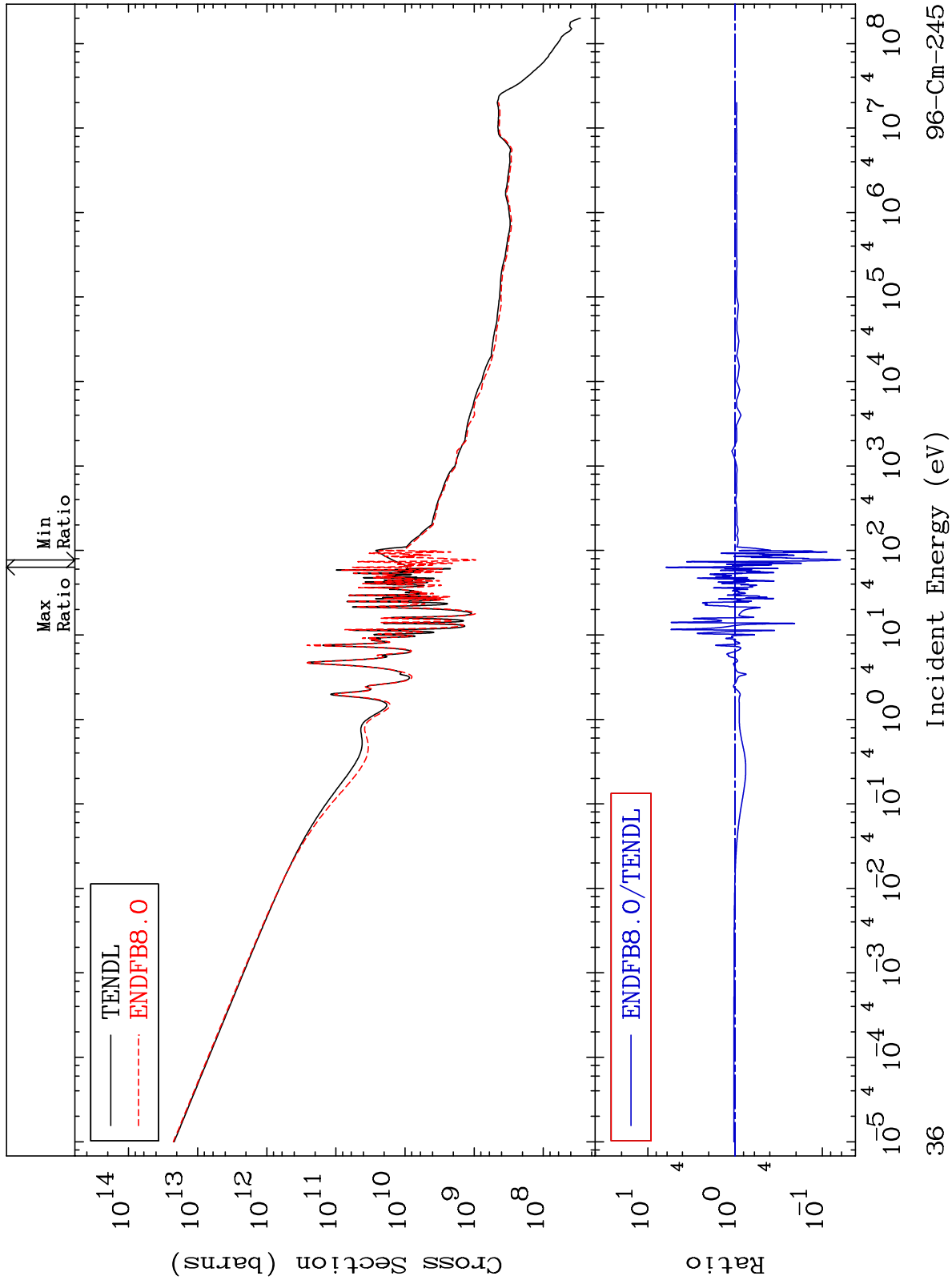
96-Cm-245
-86.96 To 9999. %



MAT 9640

Kerma non-elastic (all but mt2)
Cross Section

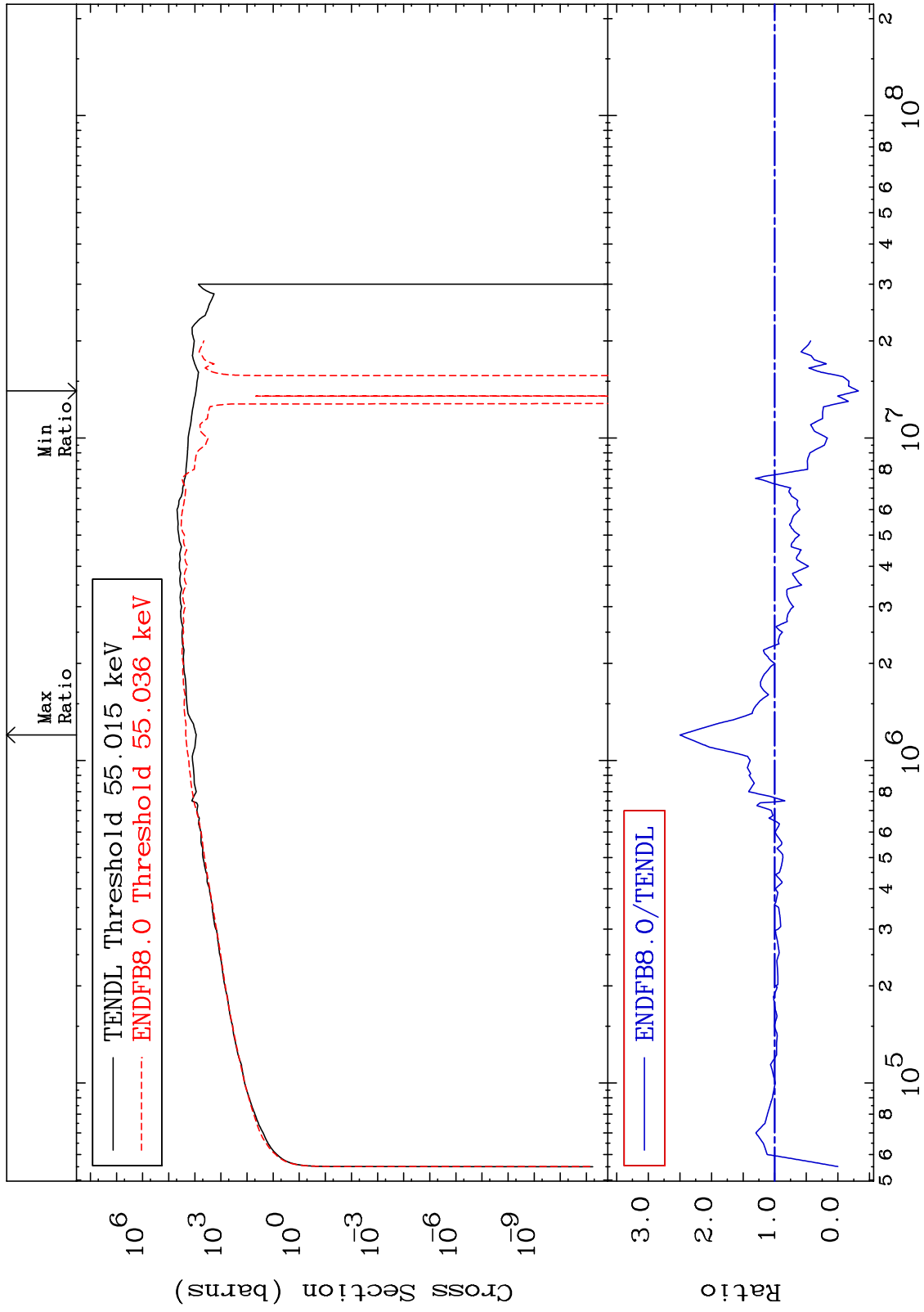
96-Cm-245
-93.83 To 521.2 %



MAT 9640

Kerma inelastic (mt51-91)
Cross Section

96-Cm-245
-132.4 To 149.8 %



37

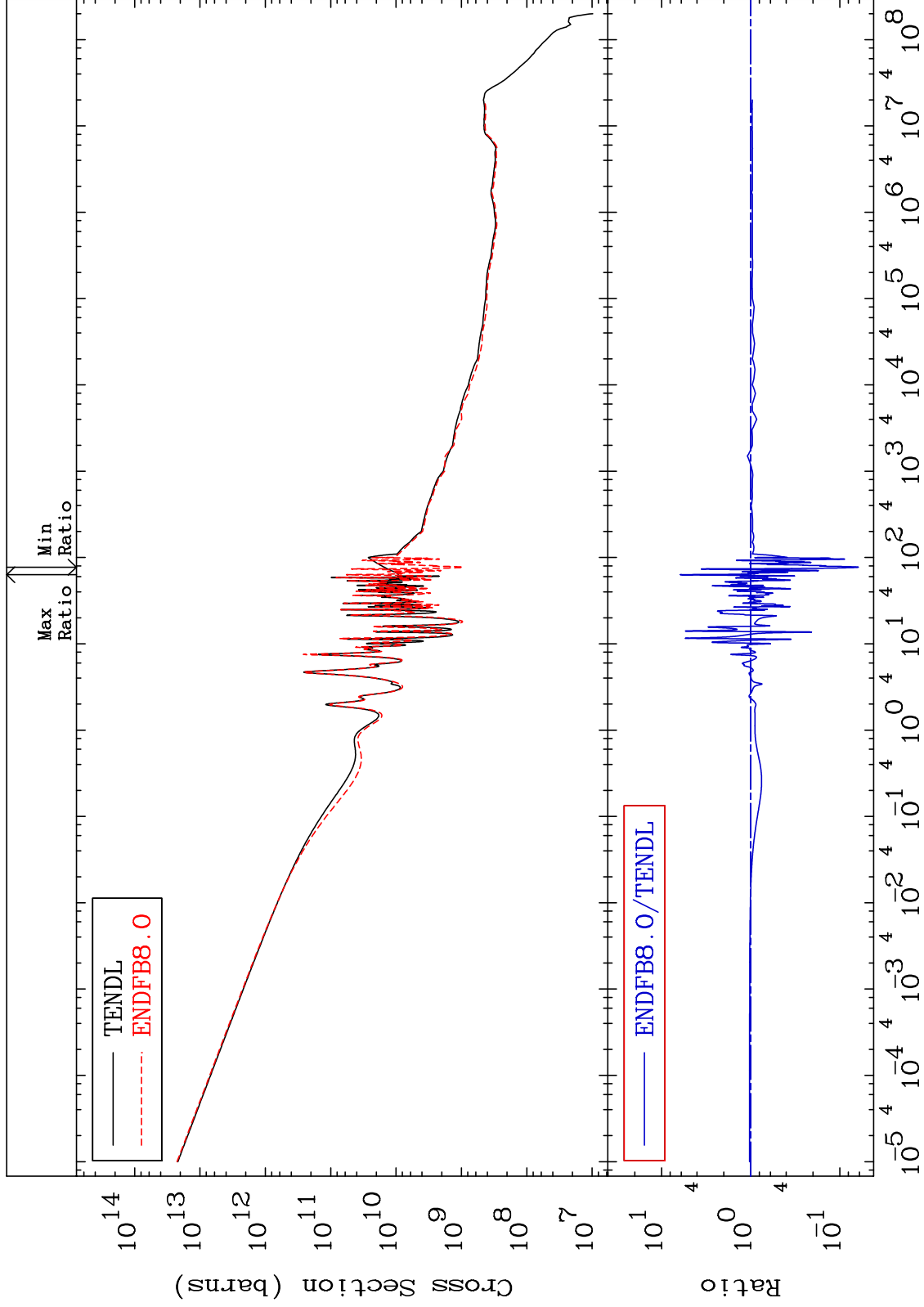
Incident Energy (eV)

96-Cm-245

MAT 9640

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

96-Cm-245
-93.83 To 521.2 %



38

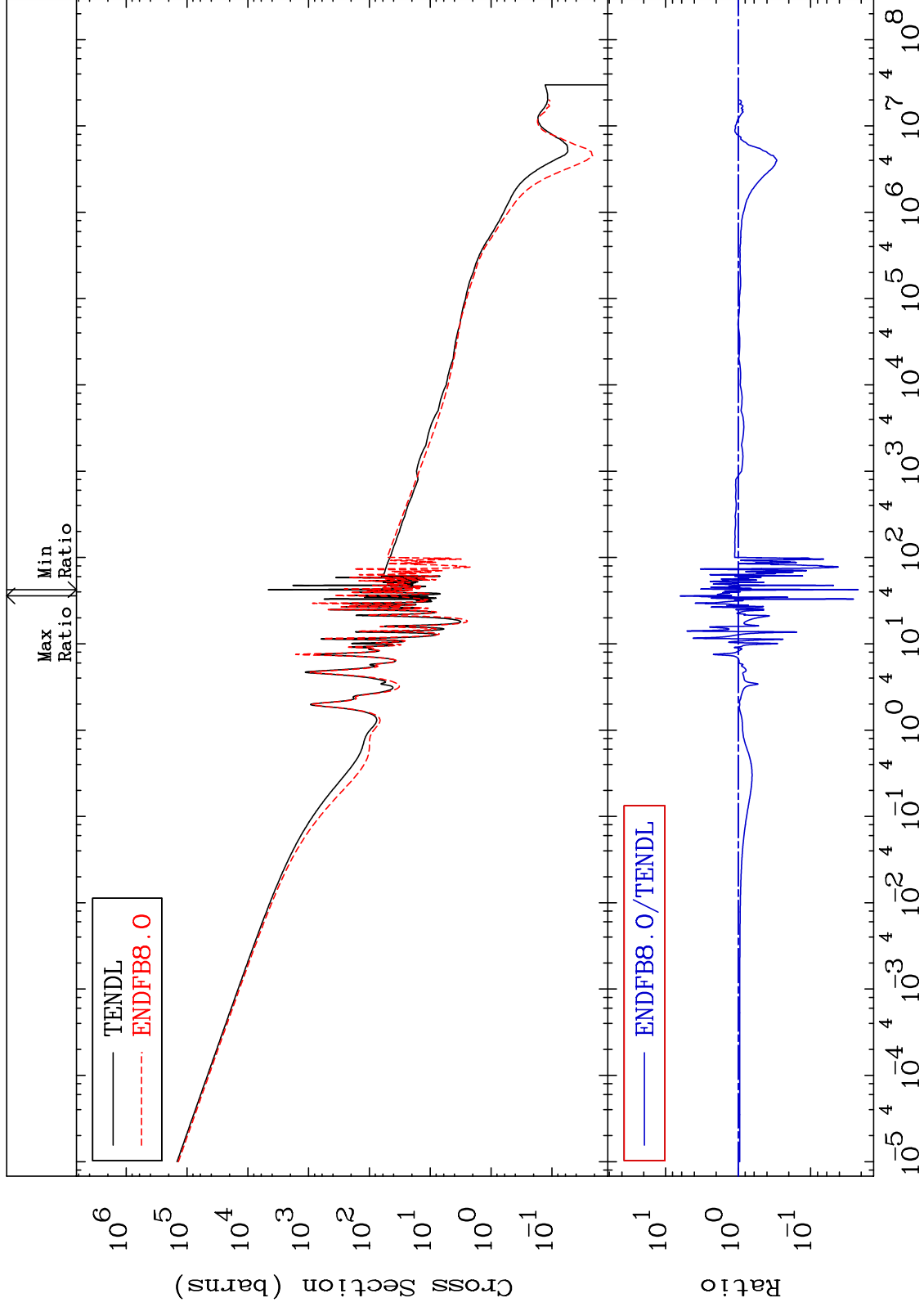
Incident Energy (eV)

96-Cm-245

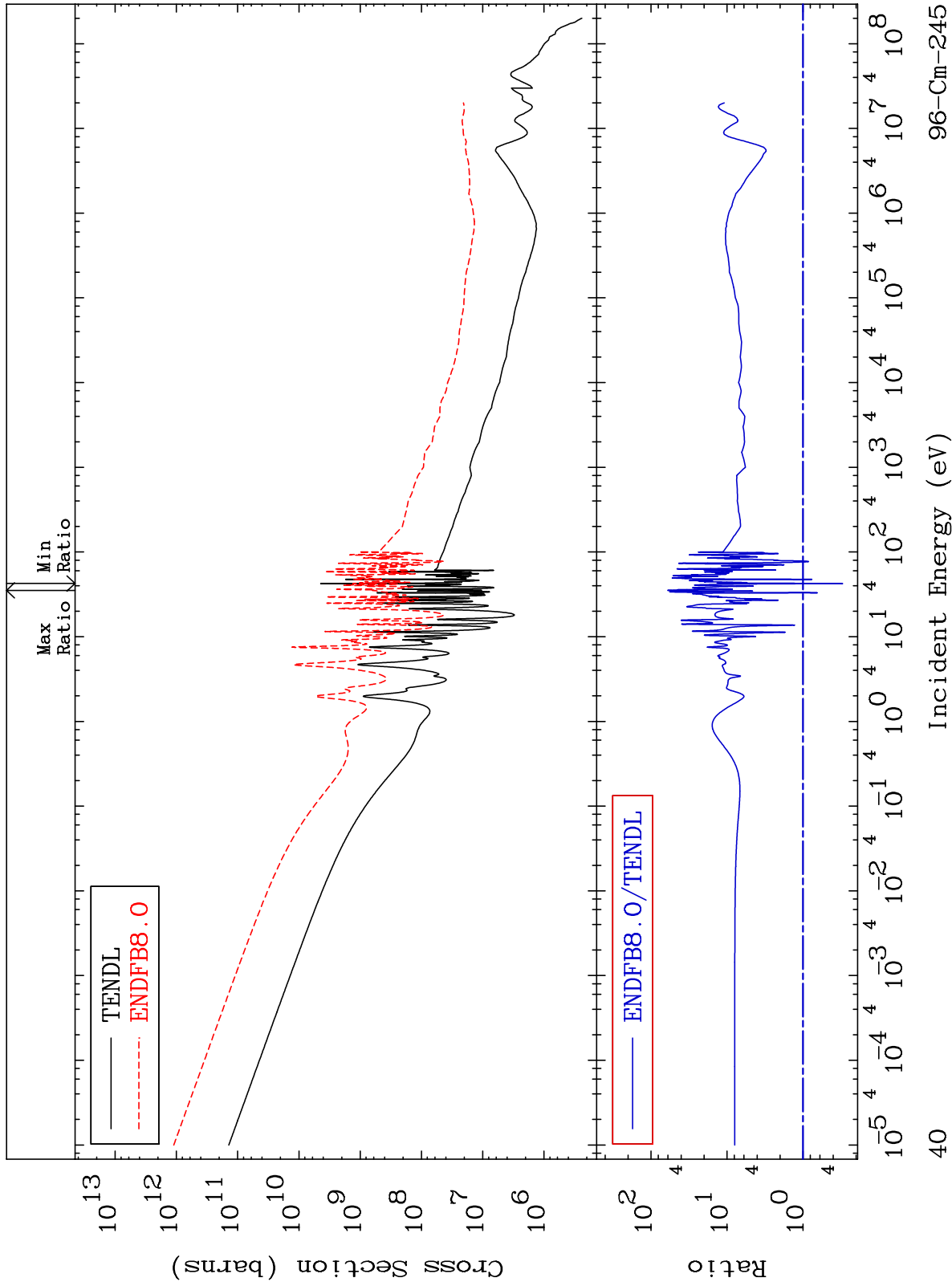
MAT 9640

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. %



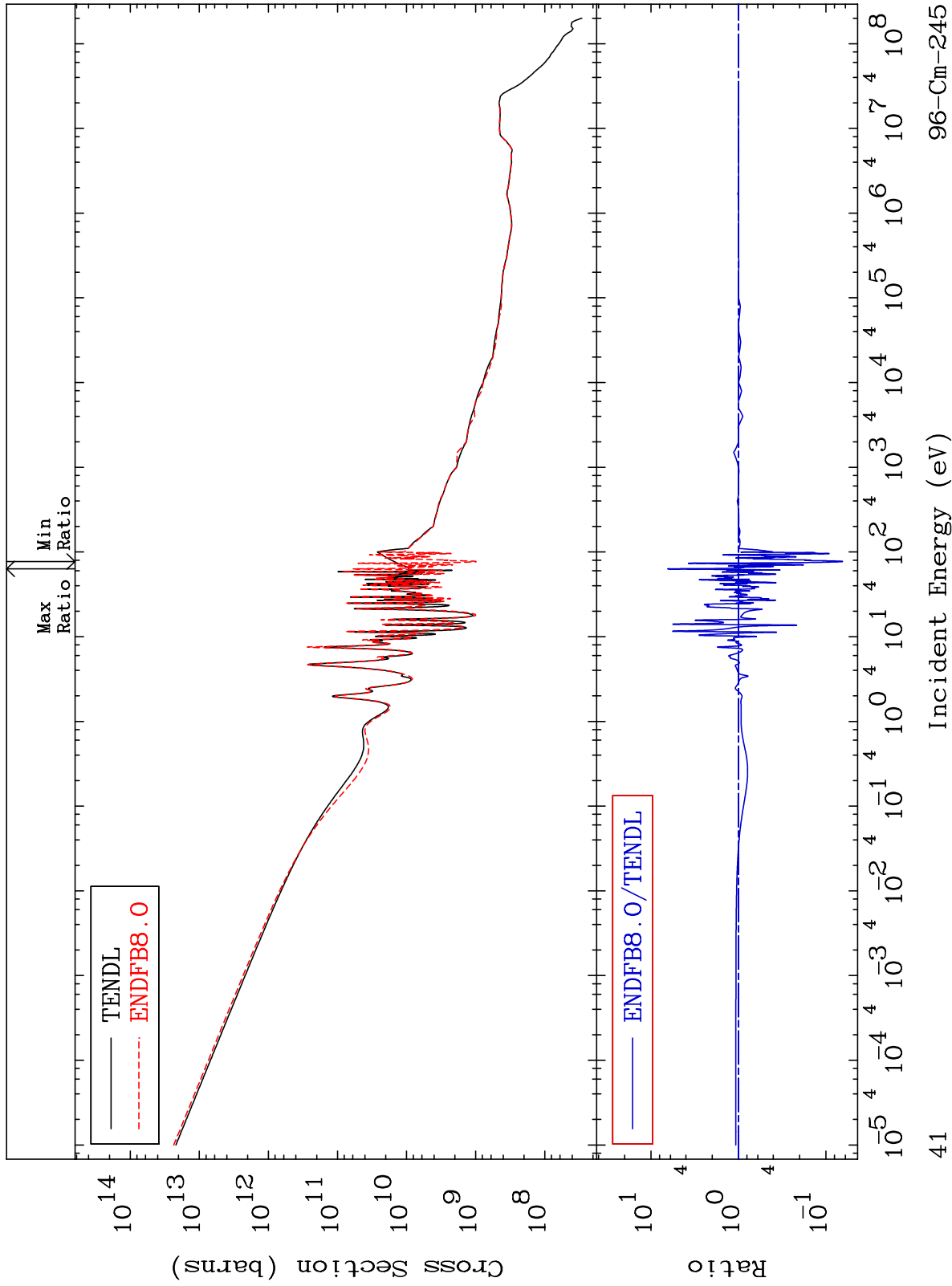
96-Cm-245

40

MAT 9640

Total kinematic kerma (high limit)
Cross Section

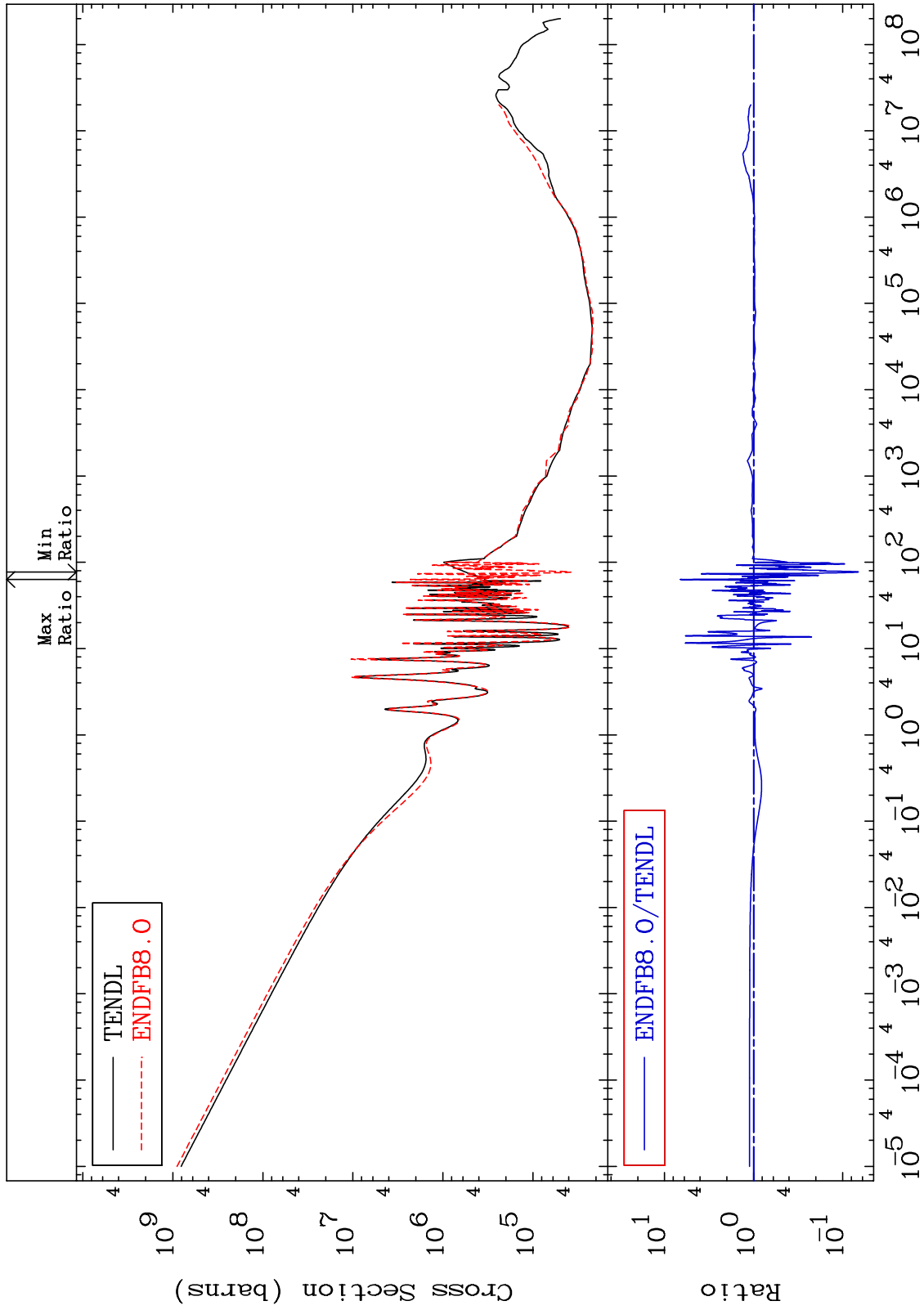
96-Cm-245
-93.57 To 547.9 %



MAT 9640

Dpa total (eV-barns)
Cross Section

96-Cm-245
-93.34 To 570.6 %



42

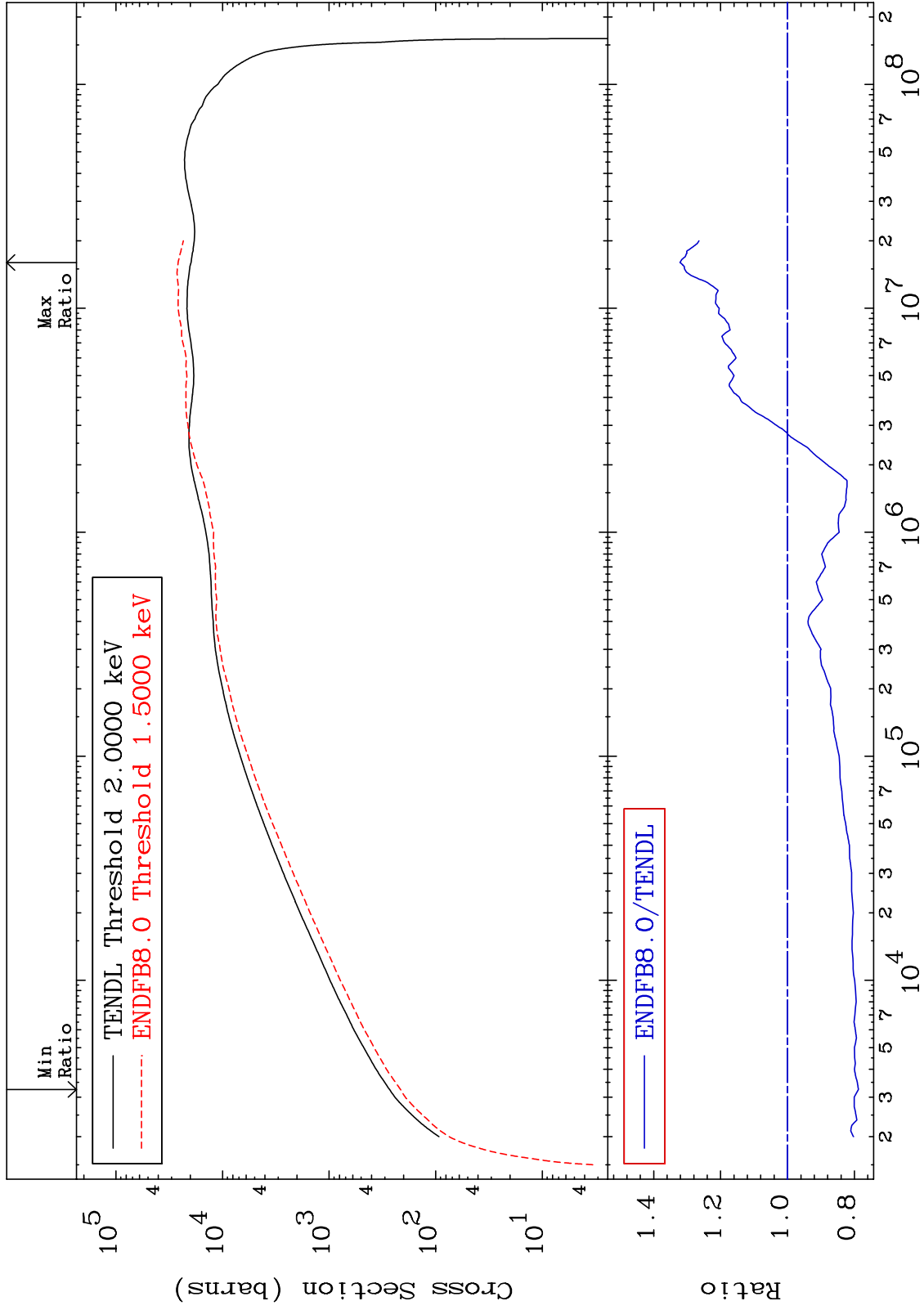
Incident Energy (eV)

96-Cm-245

MAT 9640

Dpa elastic (mt2)
Cross Section

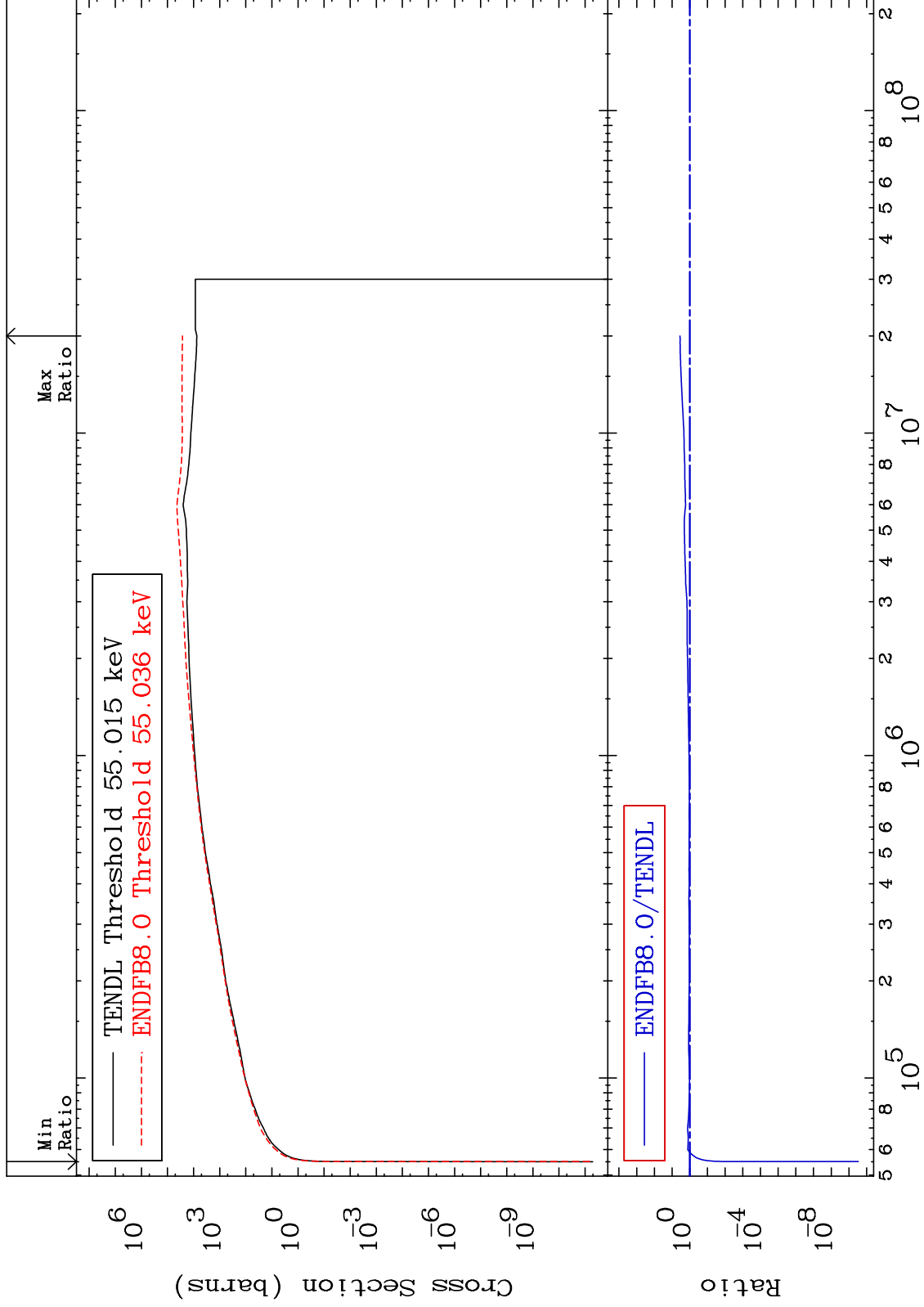
96-Cm-245
-21.19 To 32.14 %



MAT 9640

Dpa inelastic (mt51-91)
Cross Section

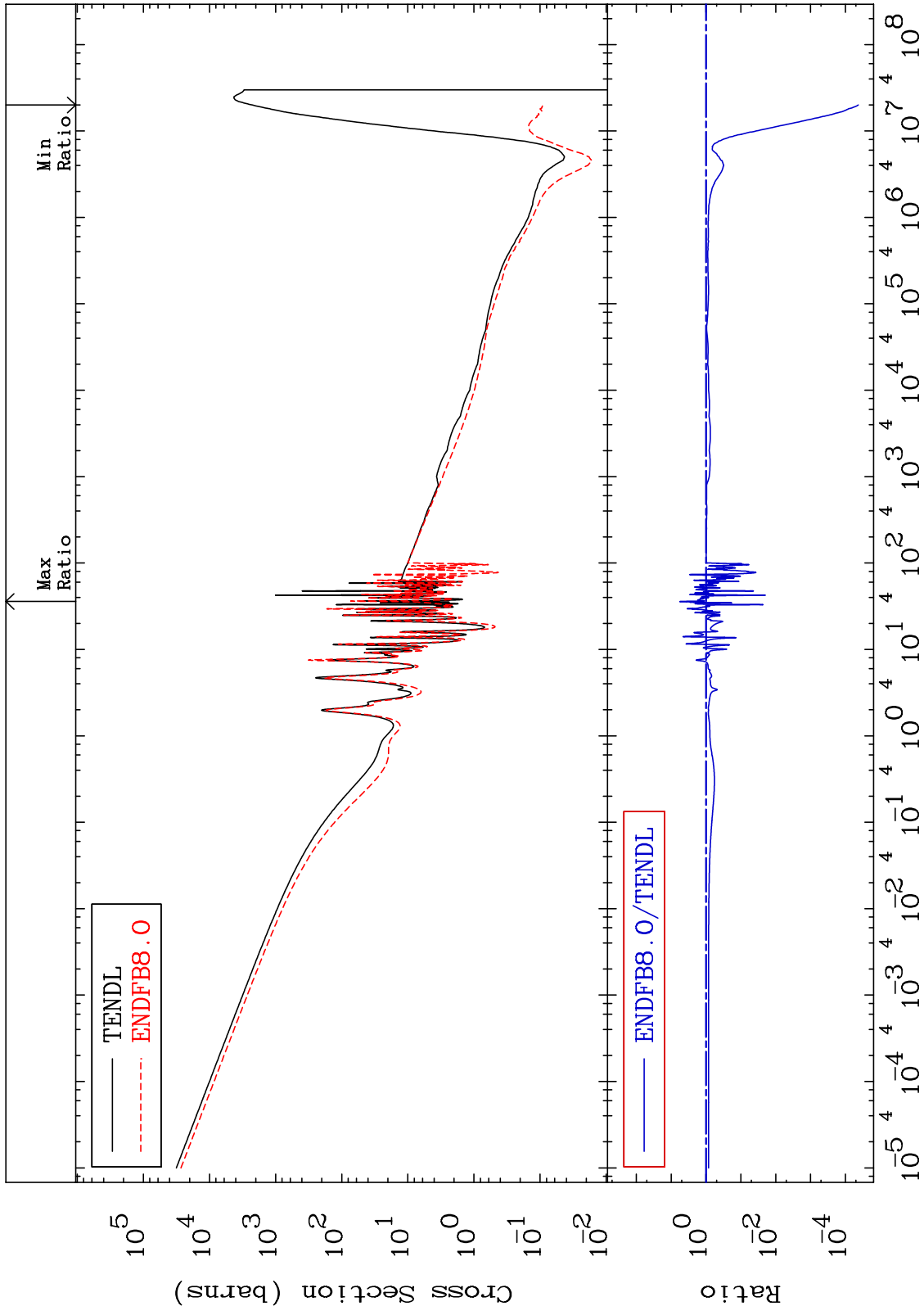
96-Cm-245
-100.0 To 254.1 %



MAT 9640

Dpa disappearance (mt102 -120)
Cross Section

96-Cm-245
-100.0 To 466.7 %



45

Incident Energy (eV)

96-Cm-245