

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

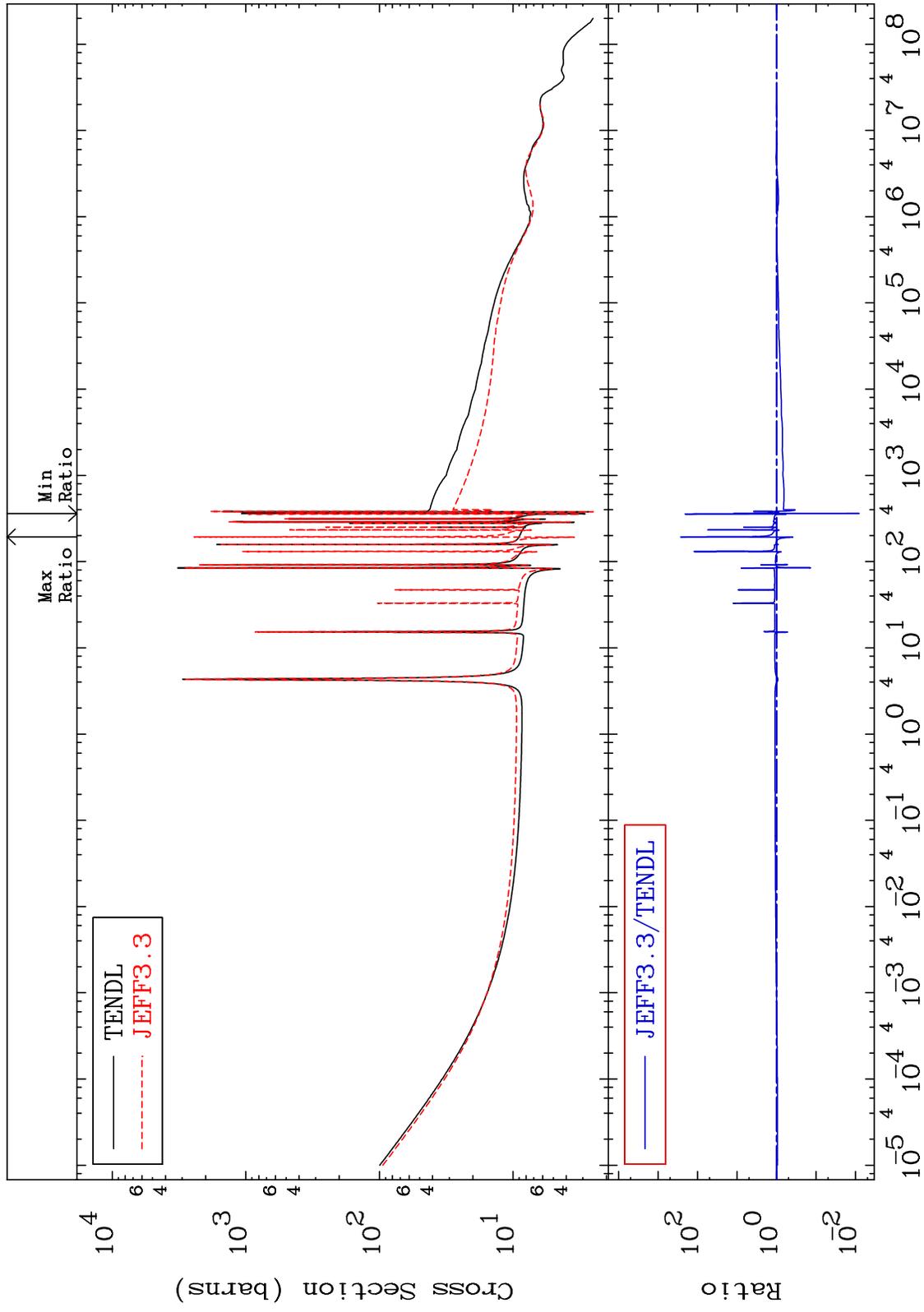
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9643

Total
Cross Section

96-Cm-246
-99.18 To 9999. %



1

Incident Energy (eV)

96-Cm-246

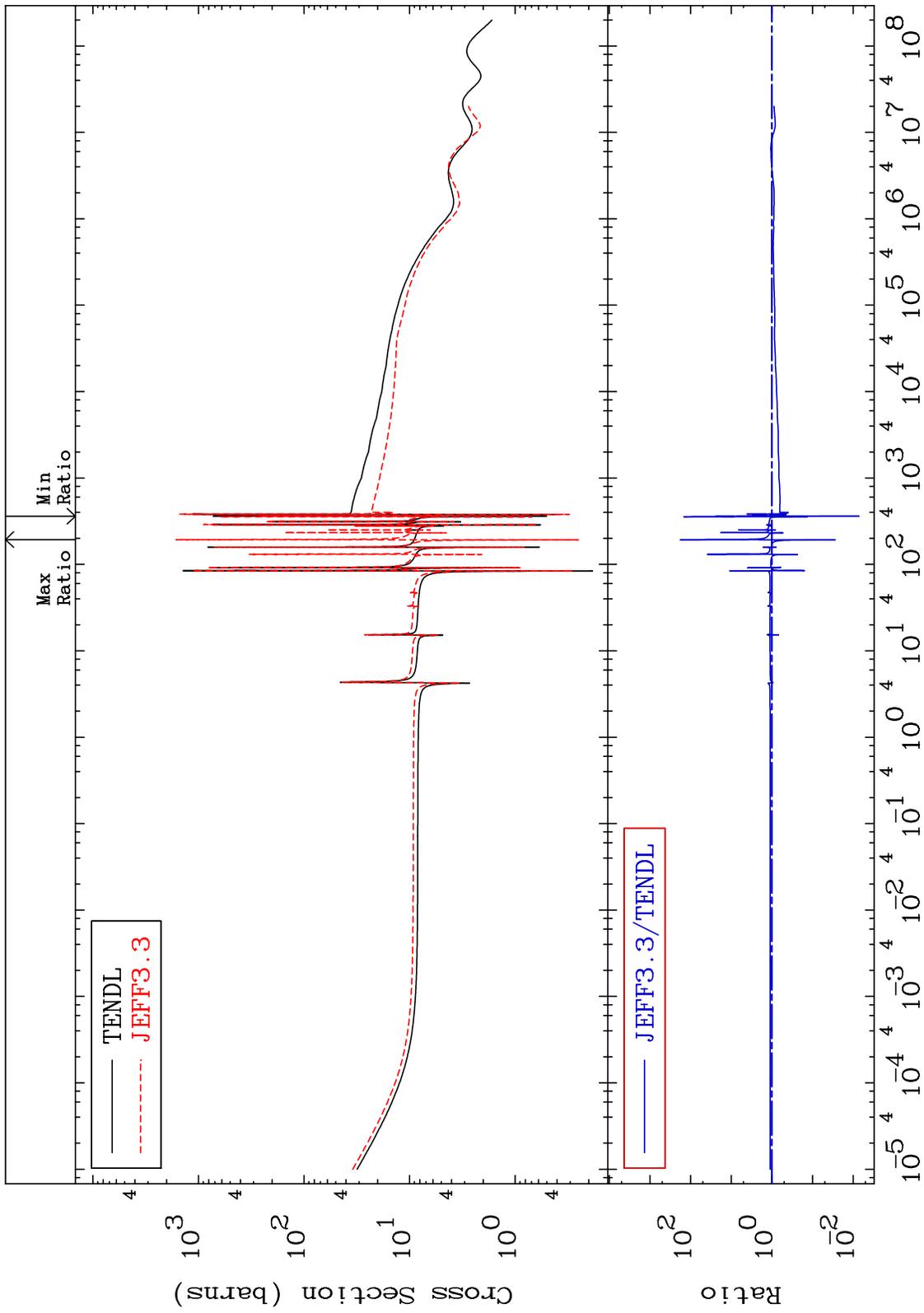
MAT 9643

Elastic

96-Cm-246

Cross Section

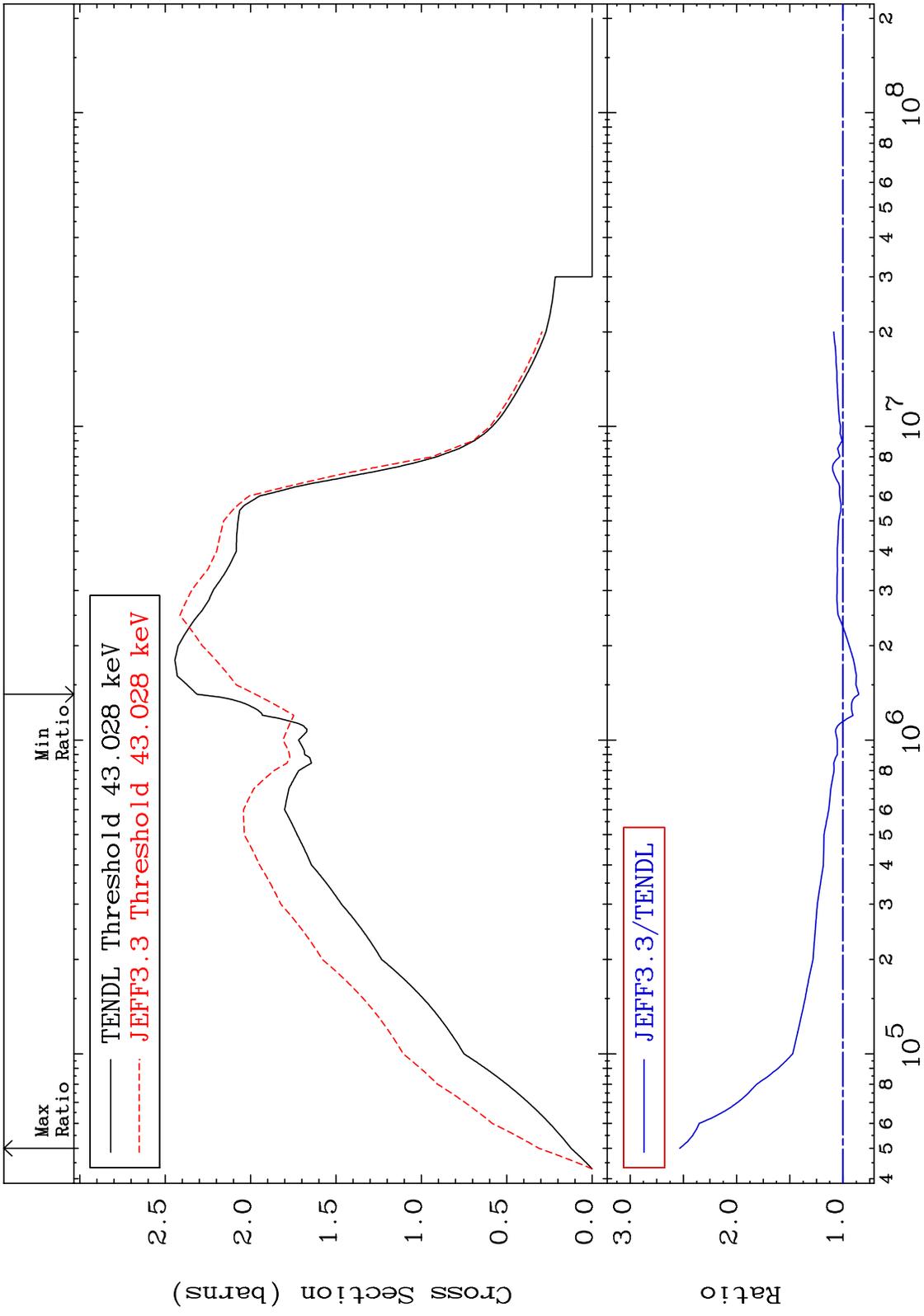
-99.28 To 9999. %



2

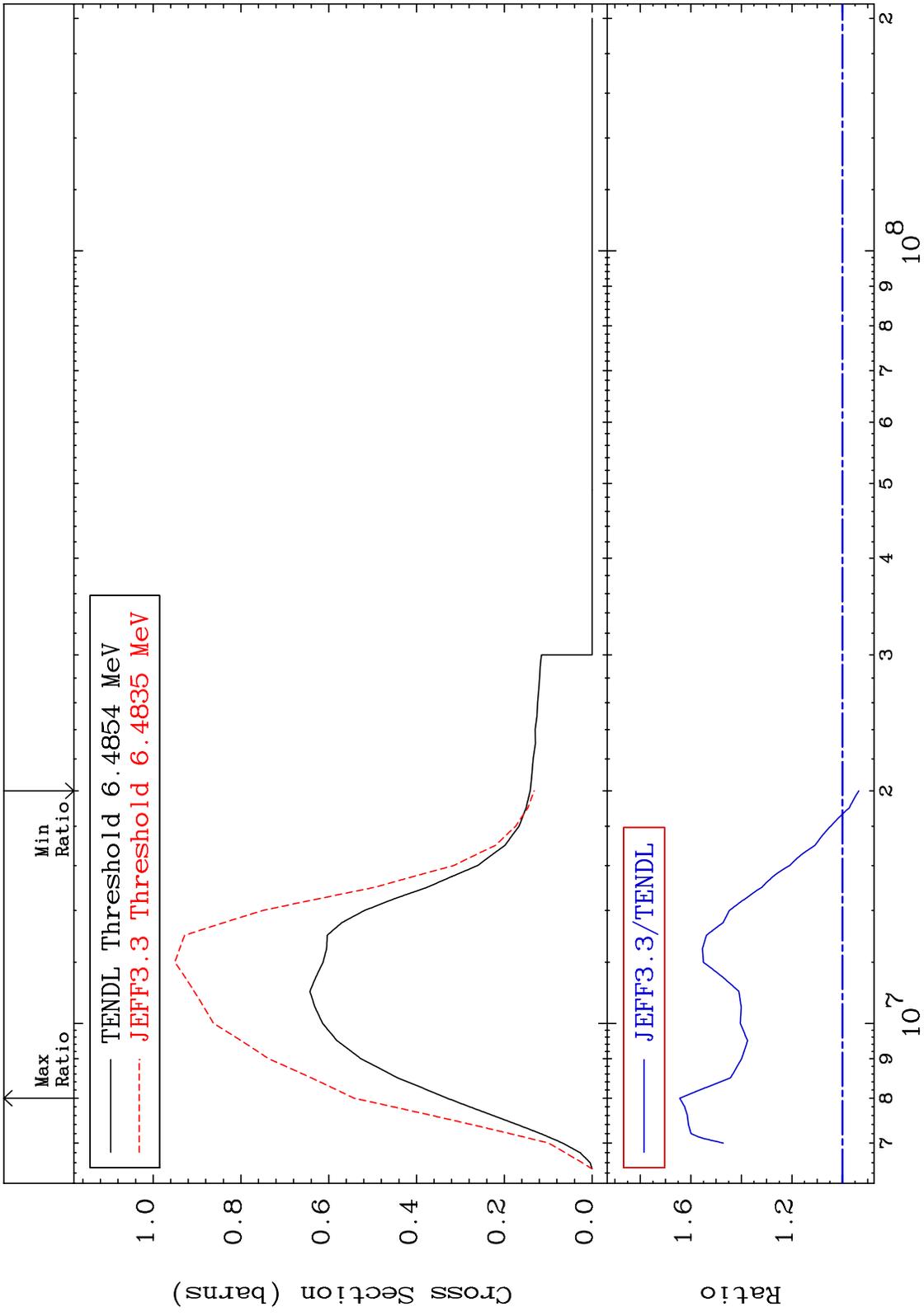
96-Cm-246

MAT 9643 Inelastic Cross Section 96-Cm-246 -14.80 To 153.4 %

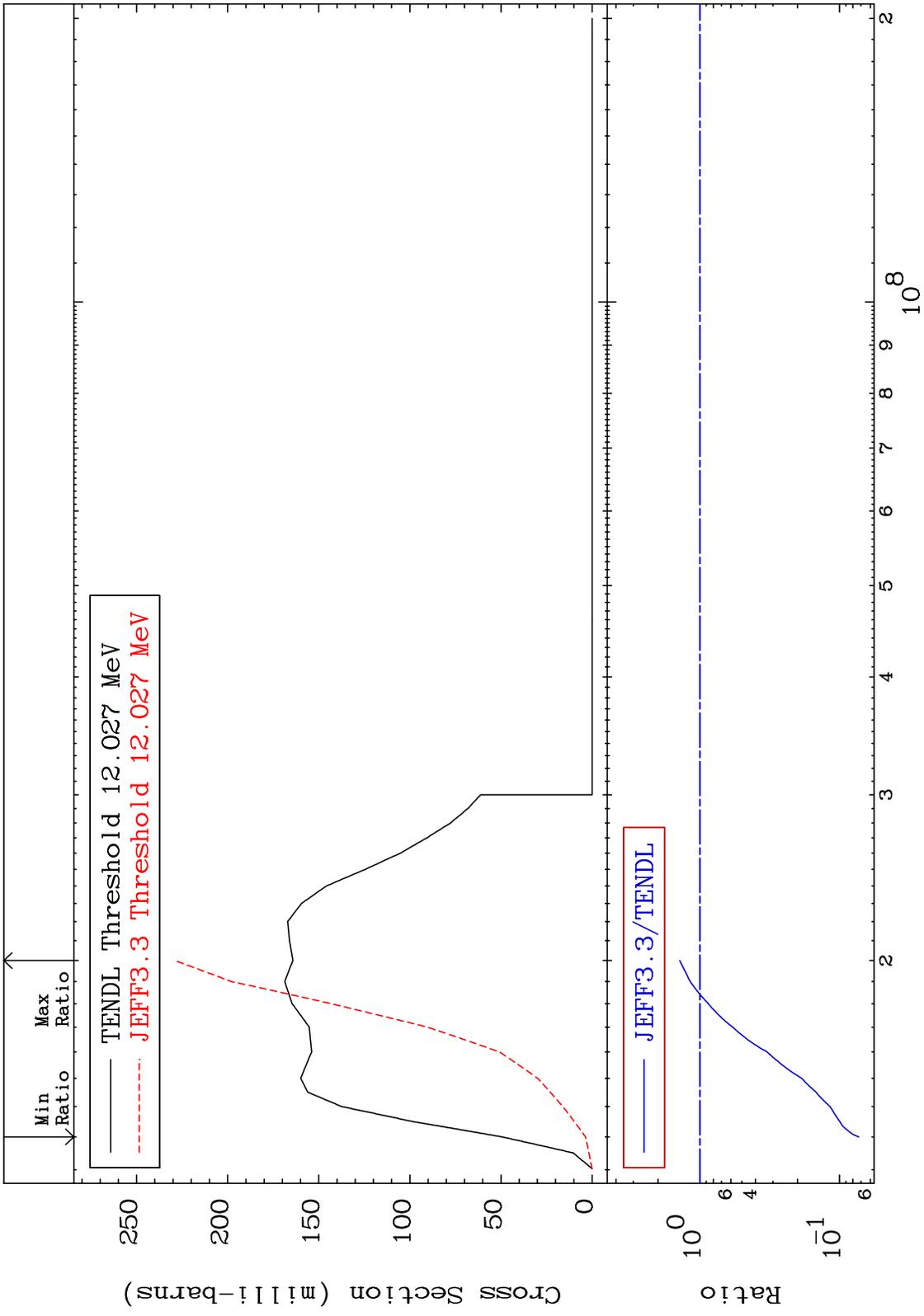


3 96-Cm-246

MAT 9643 96-Cm-246
-6.473 To 64.38 %
 (n,2n)
 Cross Section



MAT 9643 (n,3n) 96-Cm-246
 Cross Section -92.74 To 39.45 %



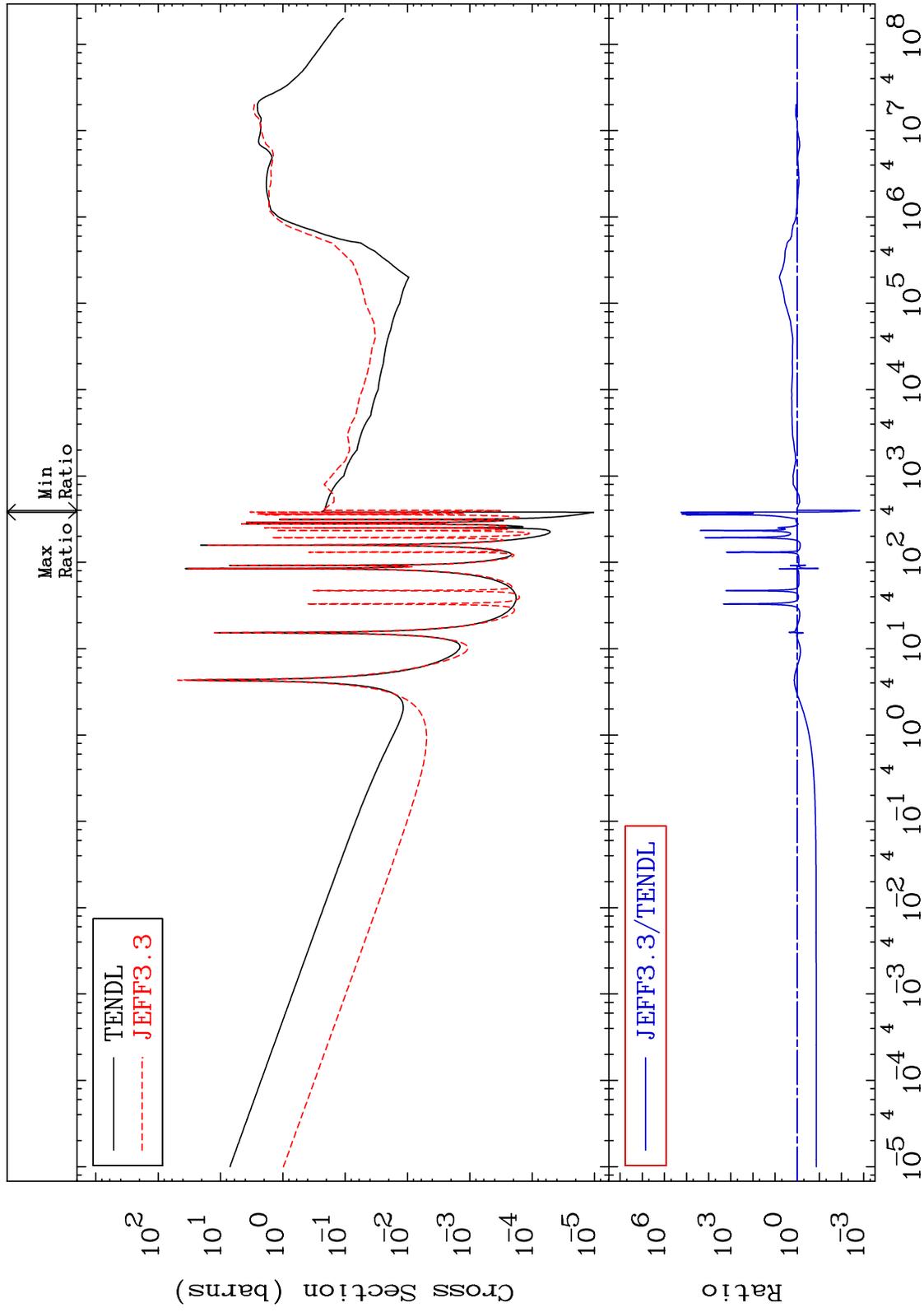
MAT 9643

Fission

96-Cm-246

Cross Section

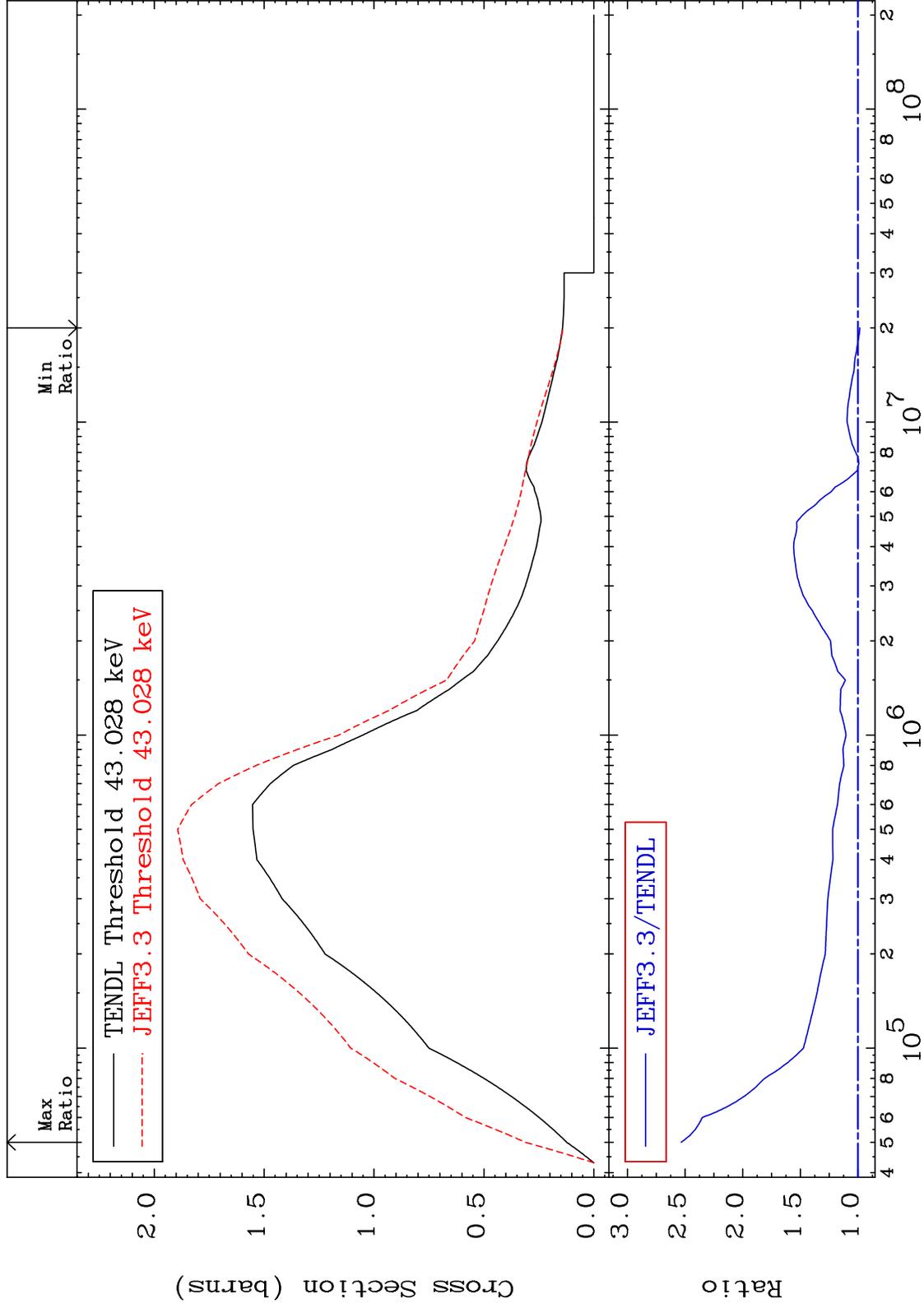
-99.85 To 9999. %



MAT 9643

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

96-Cm-246
-1.472 To 153.4 %

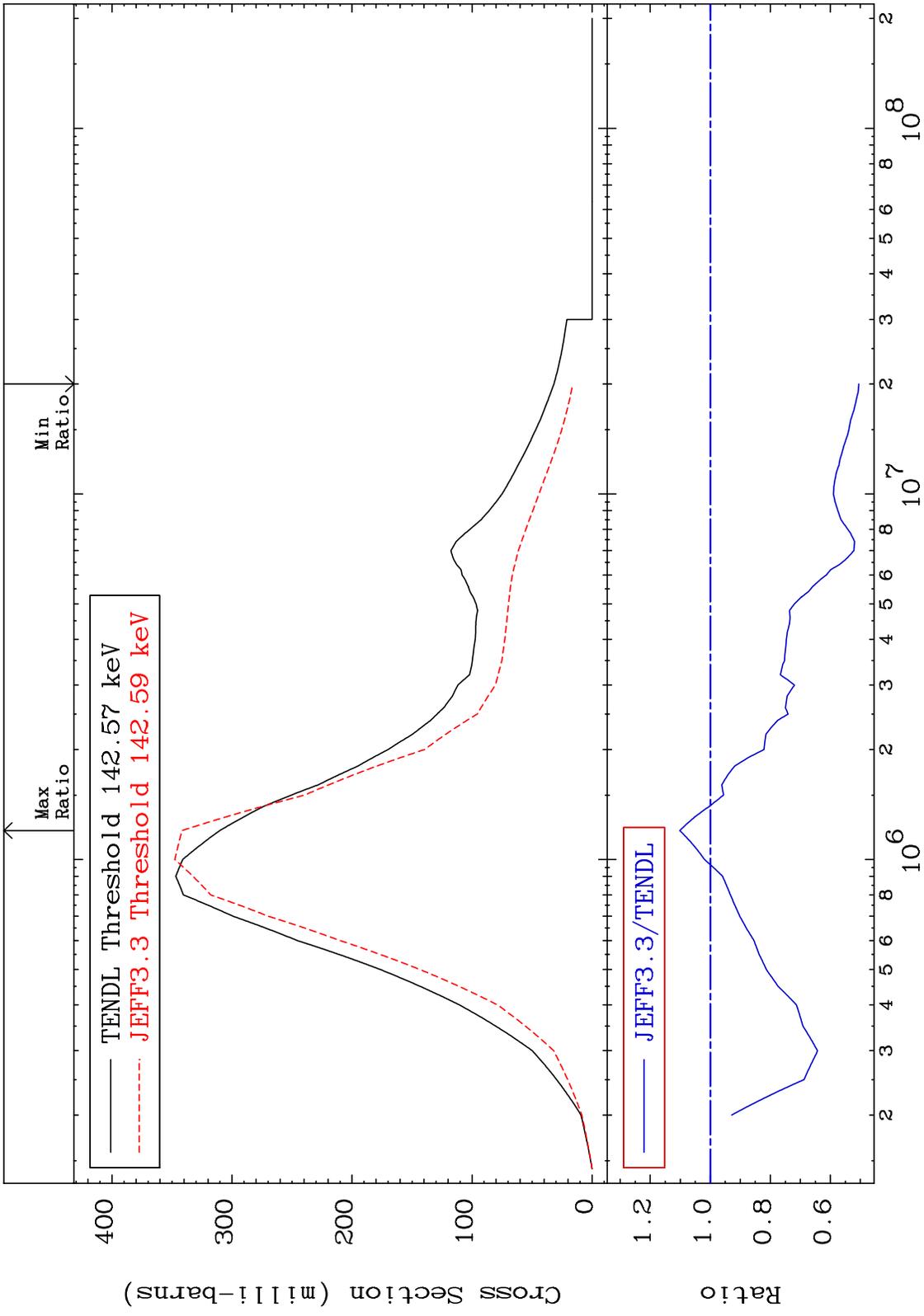


7

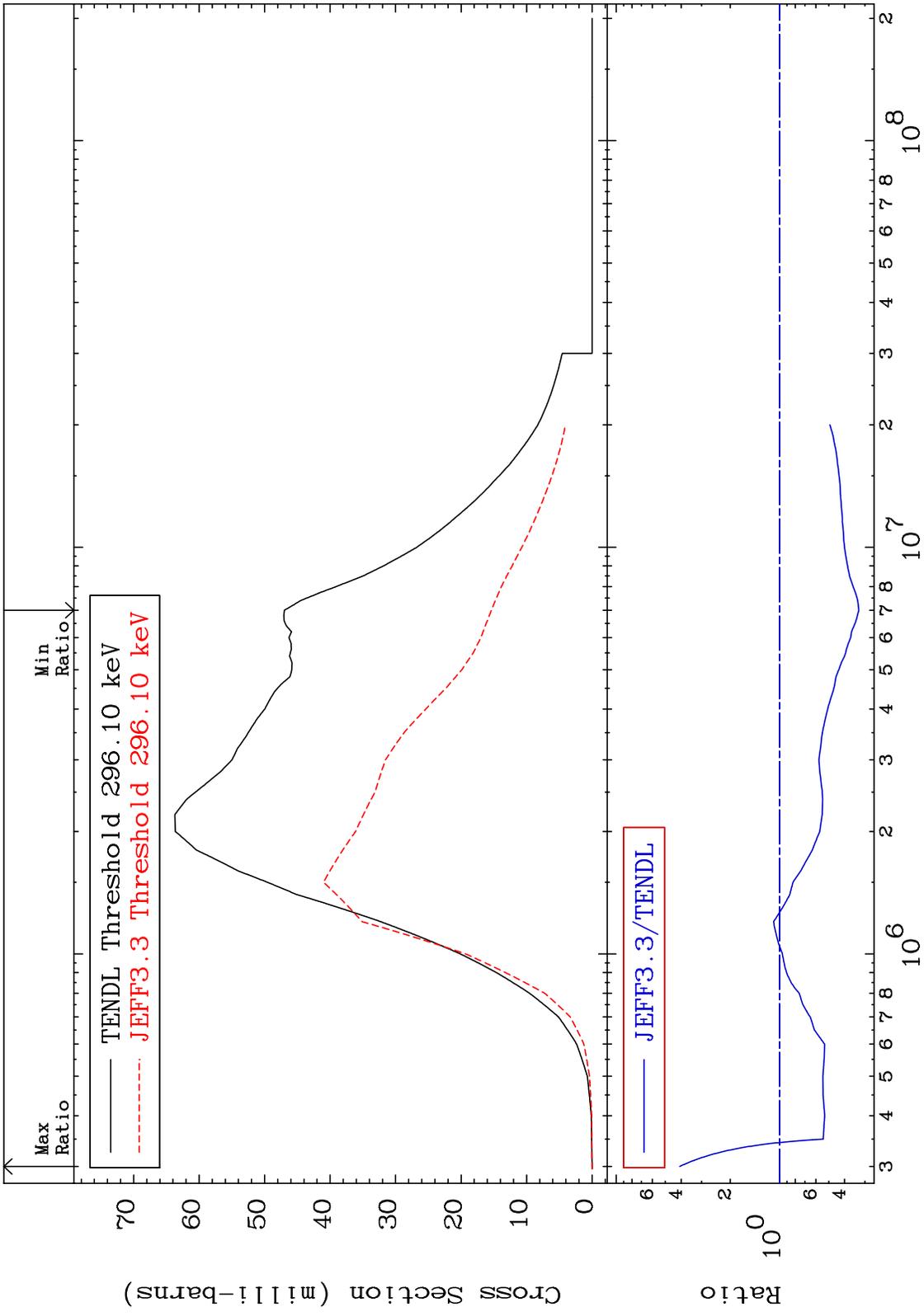
Incident Energy (eV)

96-Cm-246

MAT 9643 MT= 52 (n,n') Level 96-Cm-246
 Cross Section -49.47 To 10.17 %

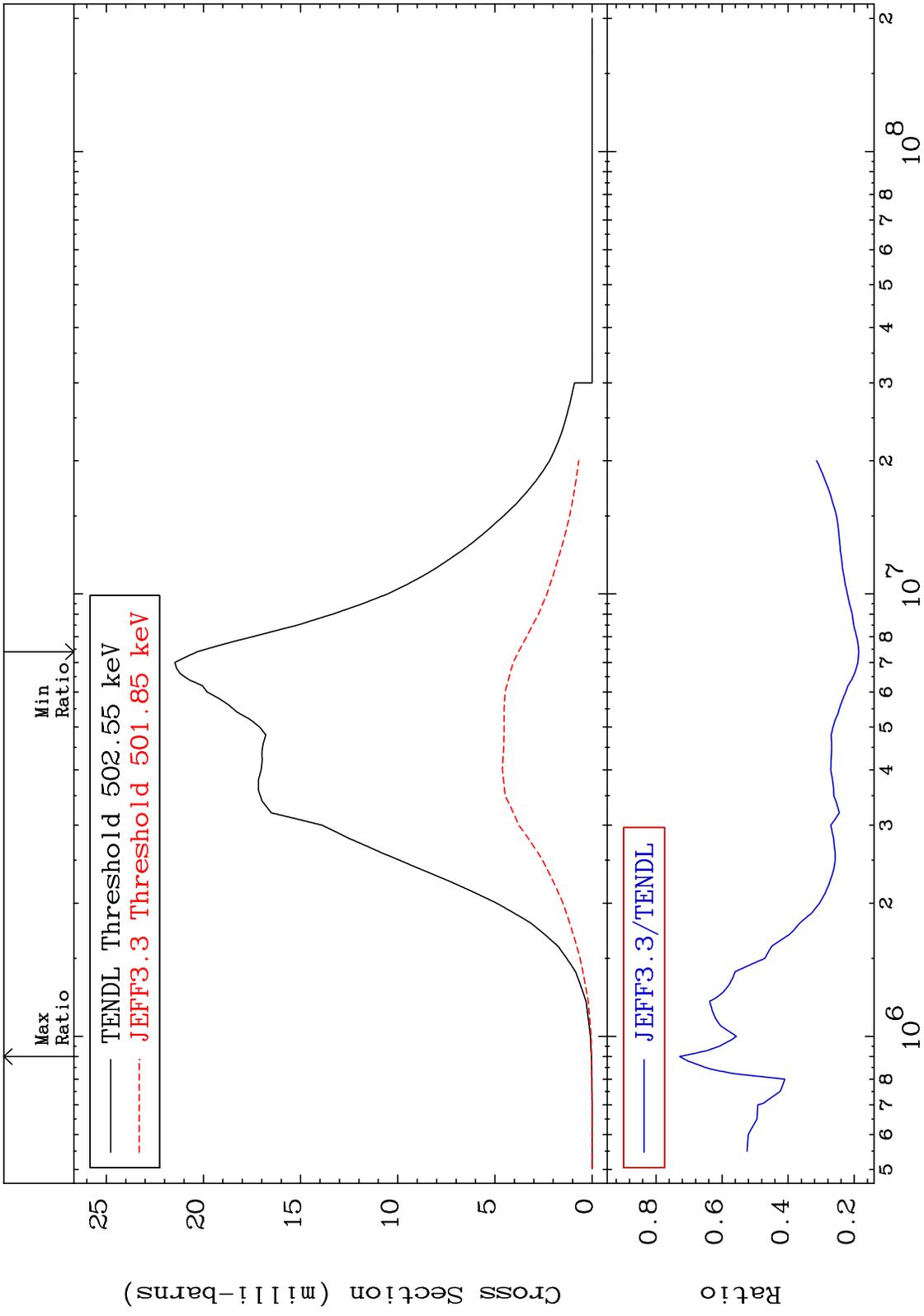


MAT 9643 MT= 53 (n,n') Level Cross Section 96-Cm-246 -67.29 To 307.9 %



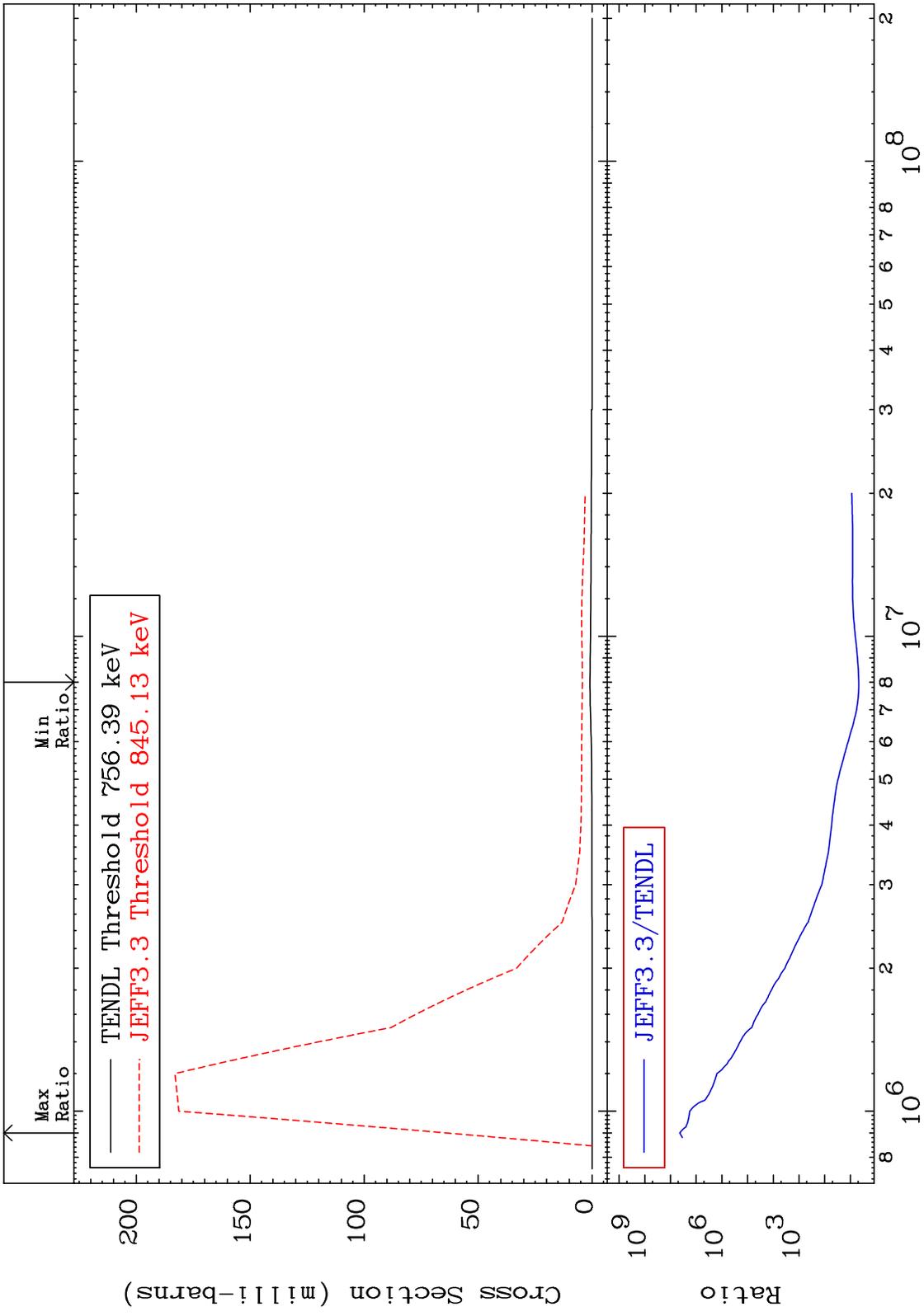
9 96-Cm-246

MAT 9643 MT= 54 (n,n') Level 96-Cm-246
 Cross Section -81.38 To -27.20%



10 96-Cm-246

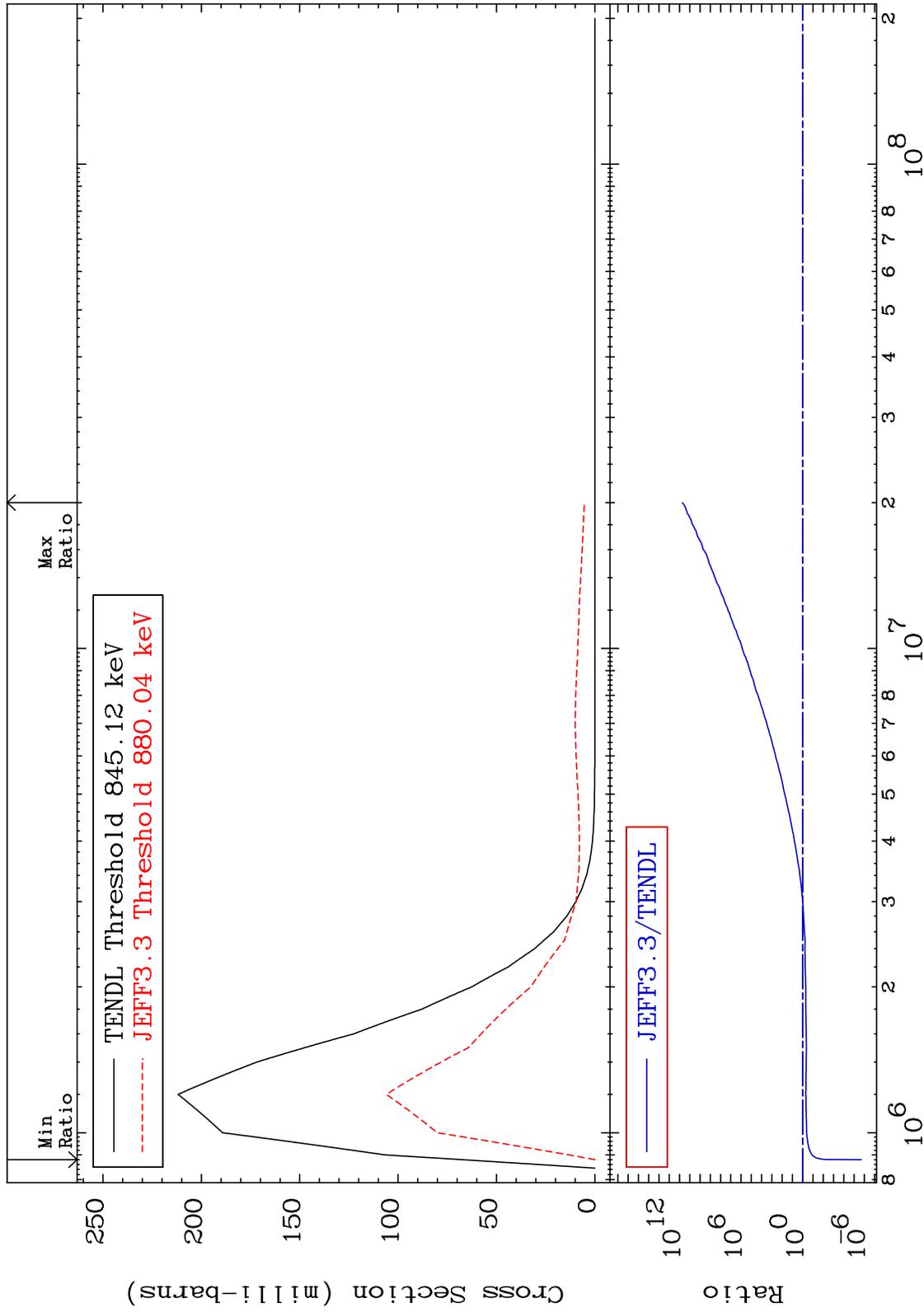
MAT 9643 MT= 55 (n,n') Level Cross Section 96-Cm-246
 370.5 To 9999. %



MAT 9643

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

96-Cm-246
-100.0 To 9999. %

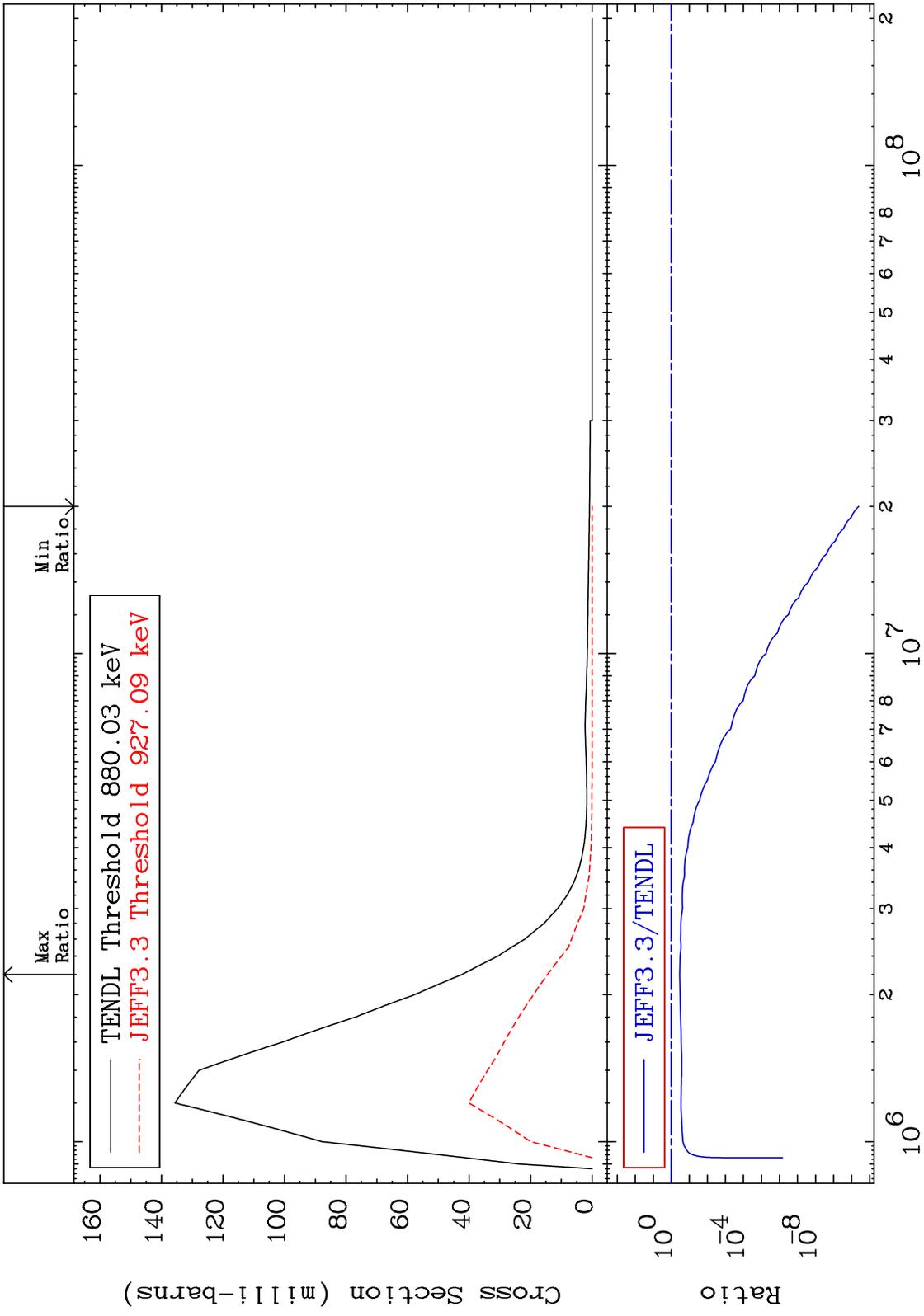


12

Incident Energy (eV)

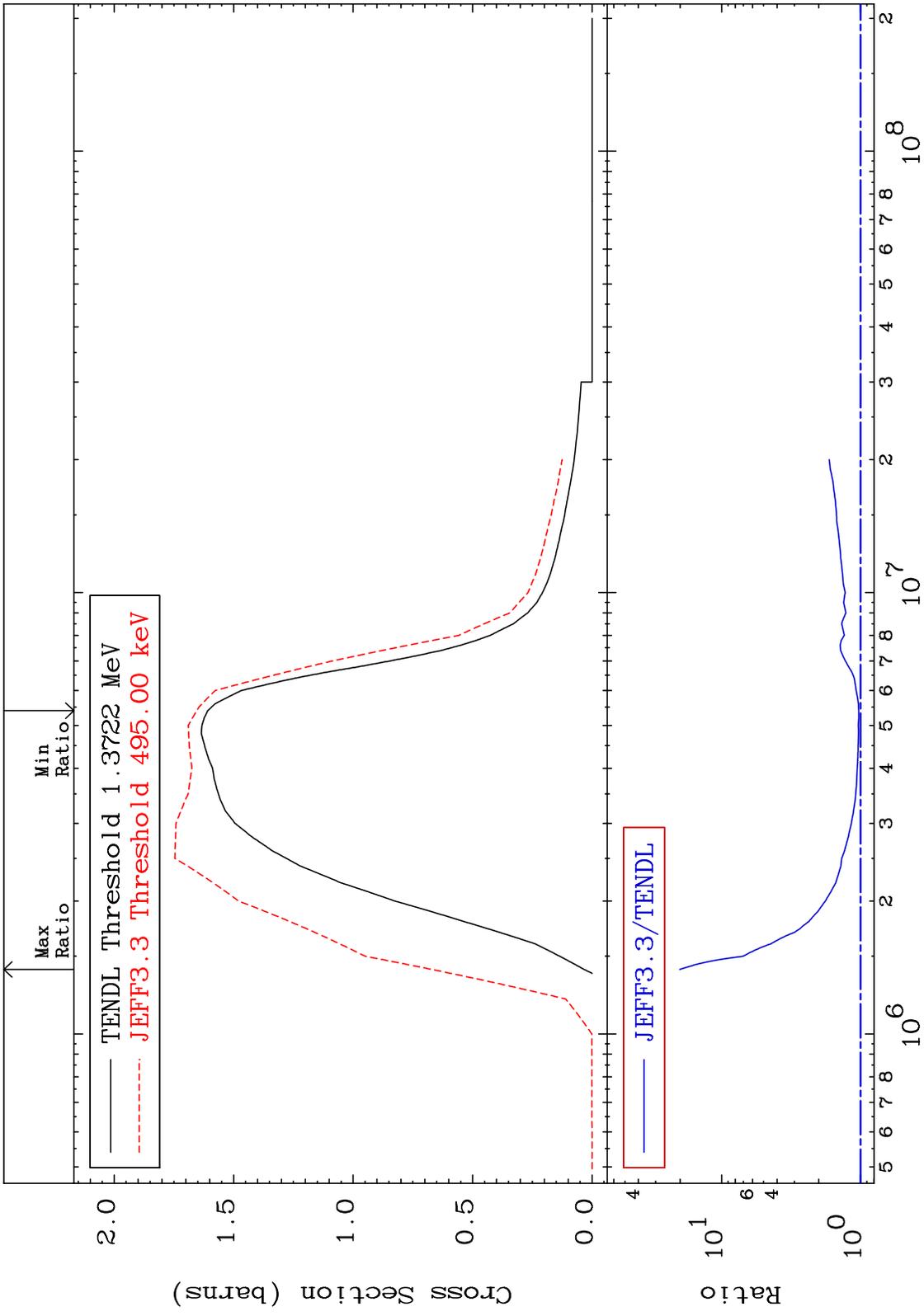
96-Cm-246

MAT 9643 MT= 57 (n,n') Level 96-Cm-246
 Cross Section -100.0 To -65.72%



13 Incident Energy (eV) 96-Cm-246

MAT 9643 (n, n') Continuum Cross Section 96-Cm-246 To 1910. %
 2.856



MAT 9643

(n, γ)

96-Cm-246

-99.46 To 9999. %

Cross Section

Max Ratio

Min Ratio

— TENDL
- - - JEFF3.3

Cross Section (barns)

— JEFF3.3/TENDL

Ratio

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

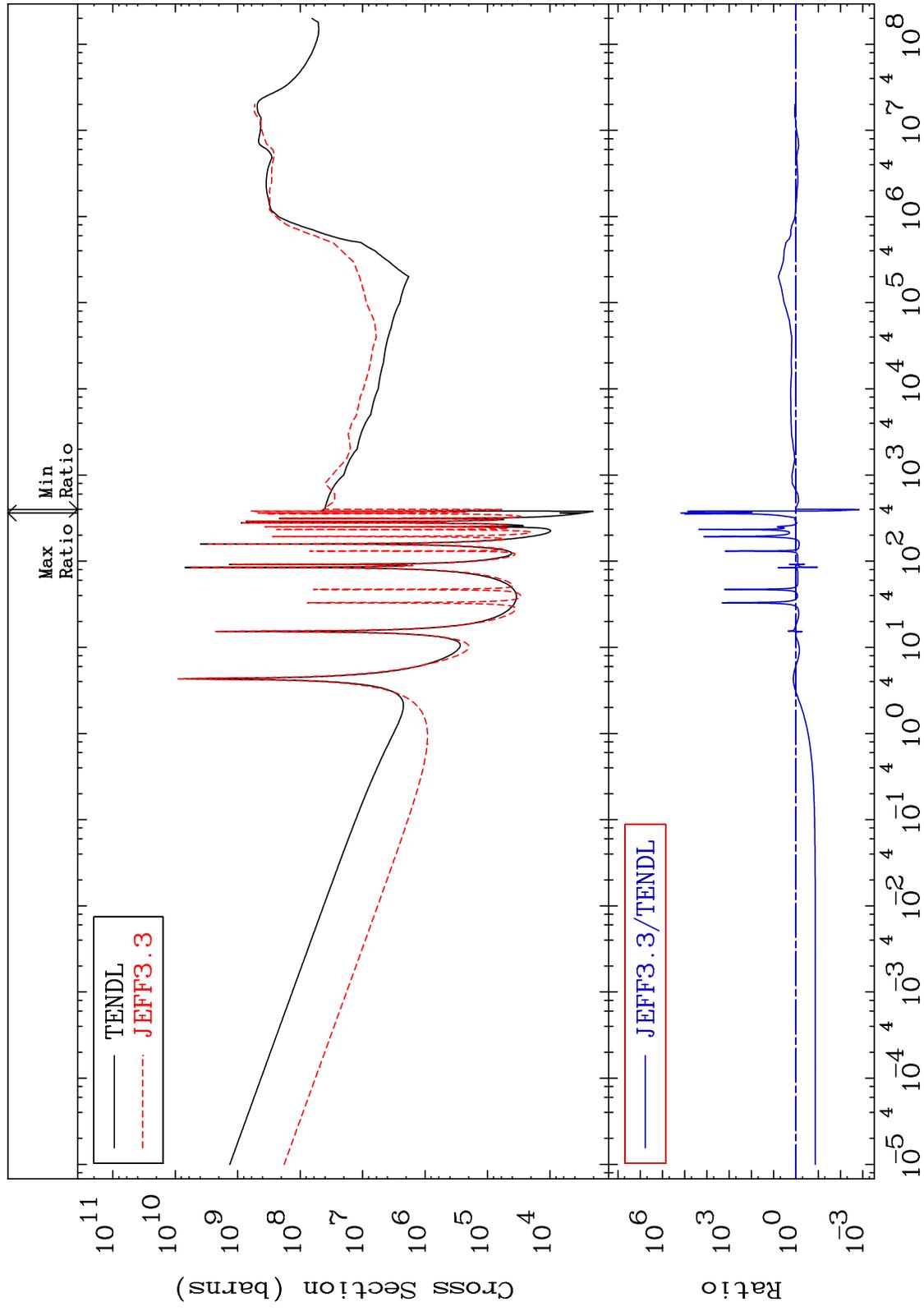
Incident Energy (eV)

96-Cm-246

MAT 9643

Kerma total (eV-barns)
Cross Section

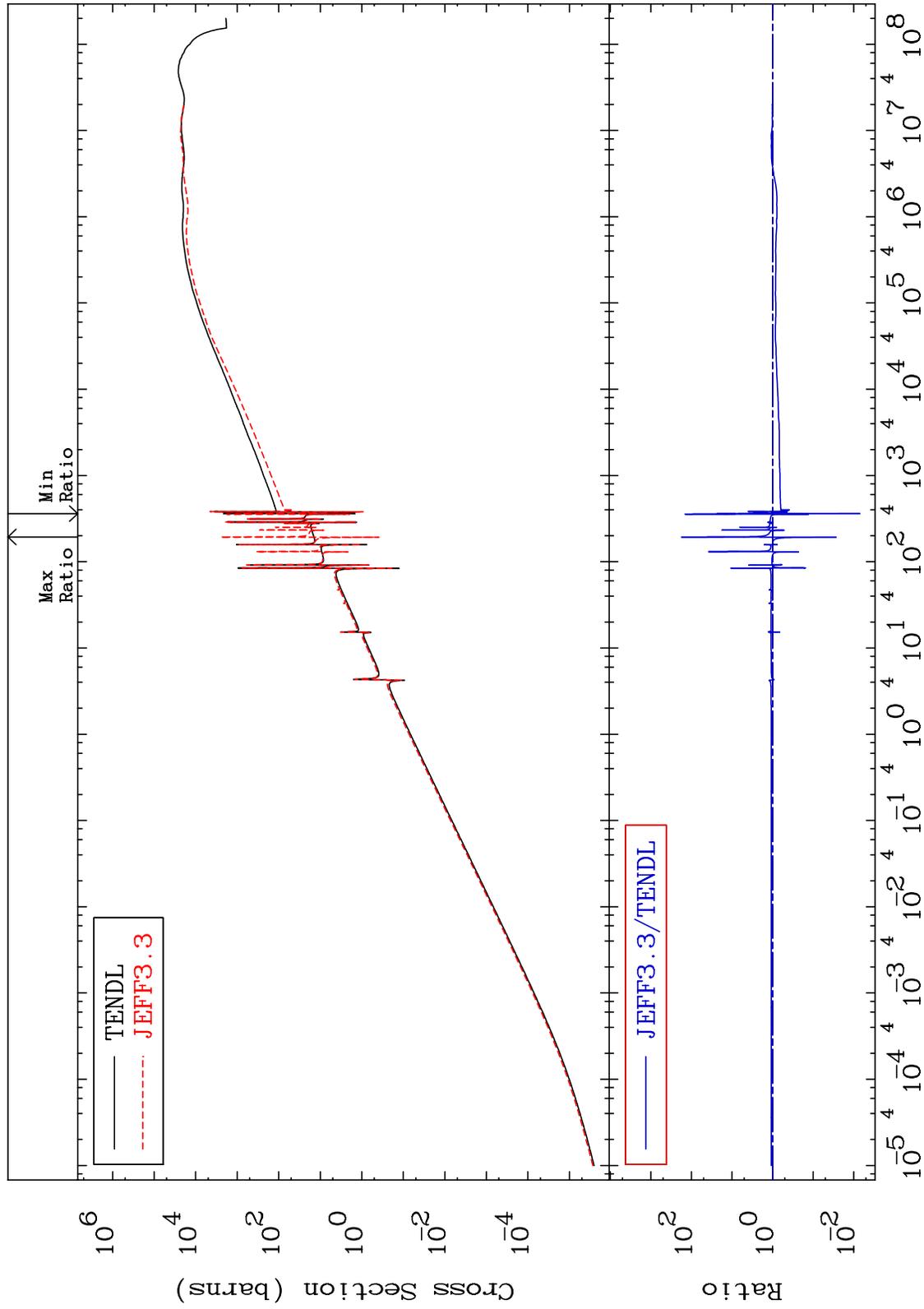
96-Cm-246
-99.85 To 9999. %



MAT 9643

Kerma elastic
Cross Section

96-Cm-246
-99.29 To 9999. %



17

Incident Energy (eV)

96-Cm-246

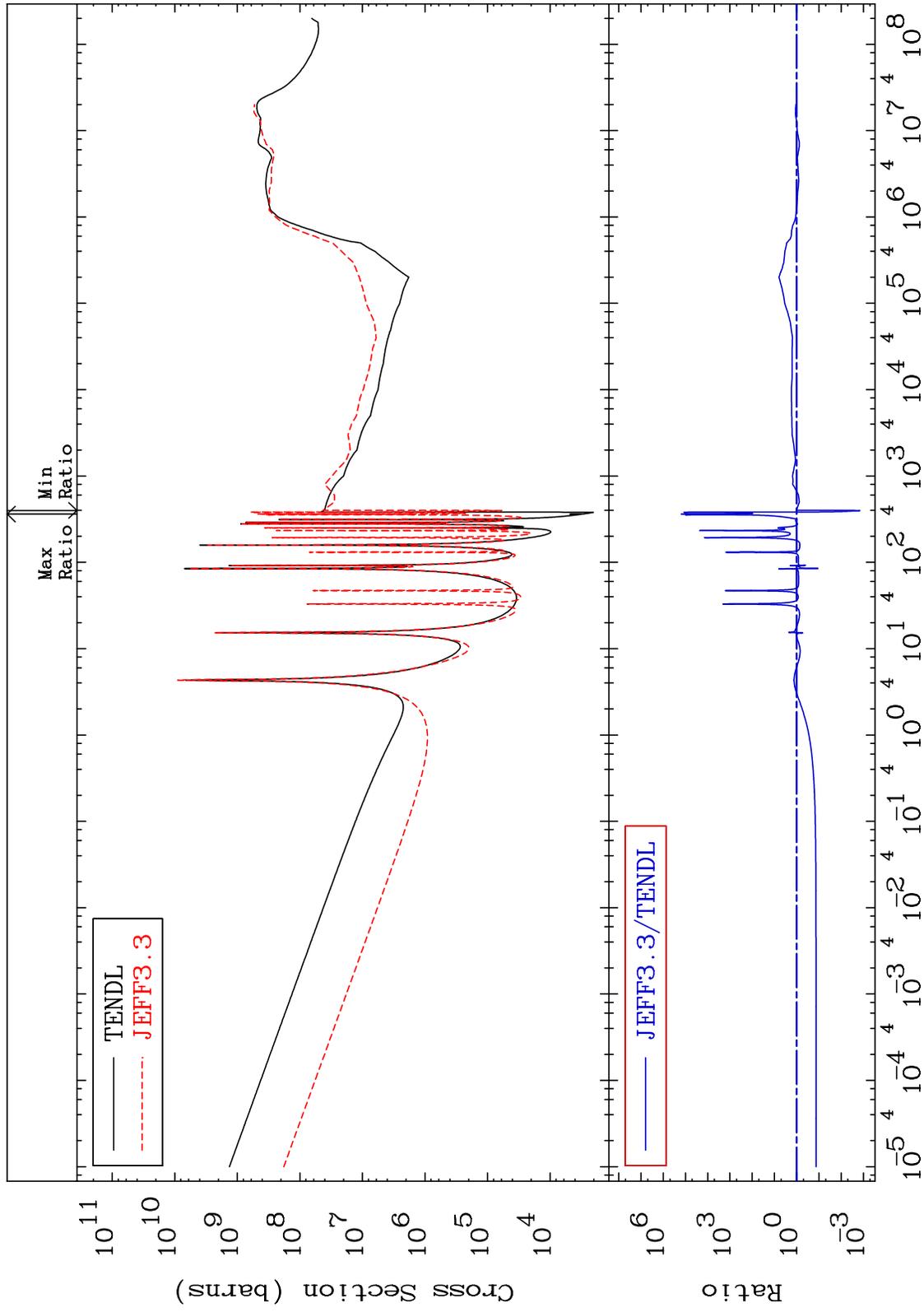
MAT 9643

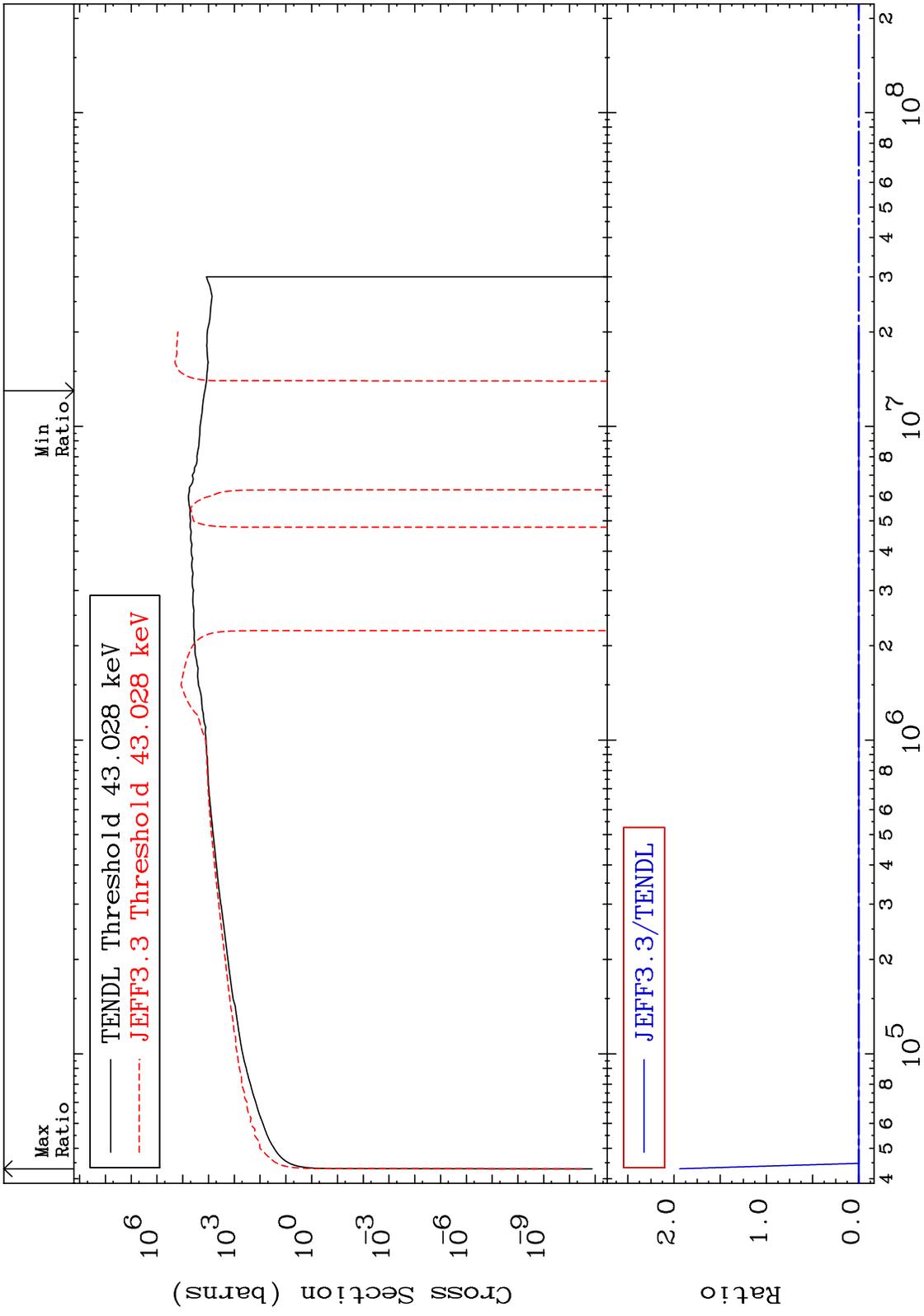
Kerma non-elastic (all but mt2)

96-Cm-246

-99.85 To 9999. %

Cross Section

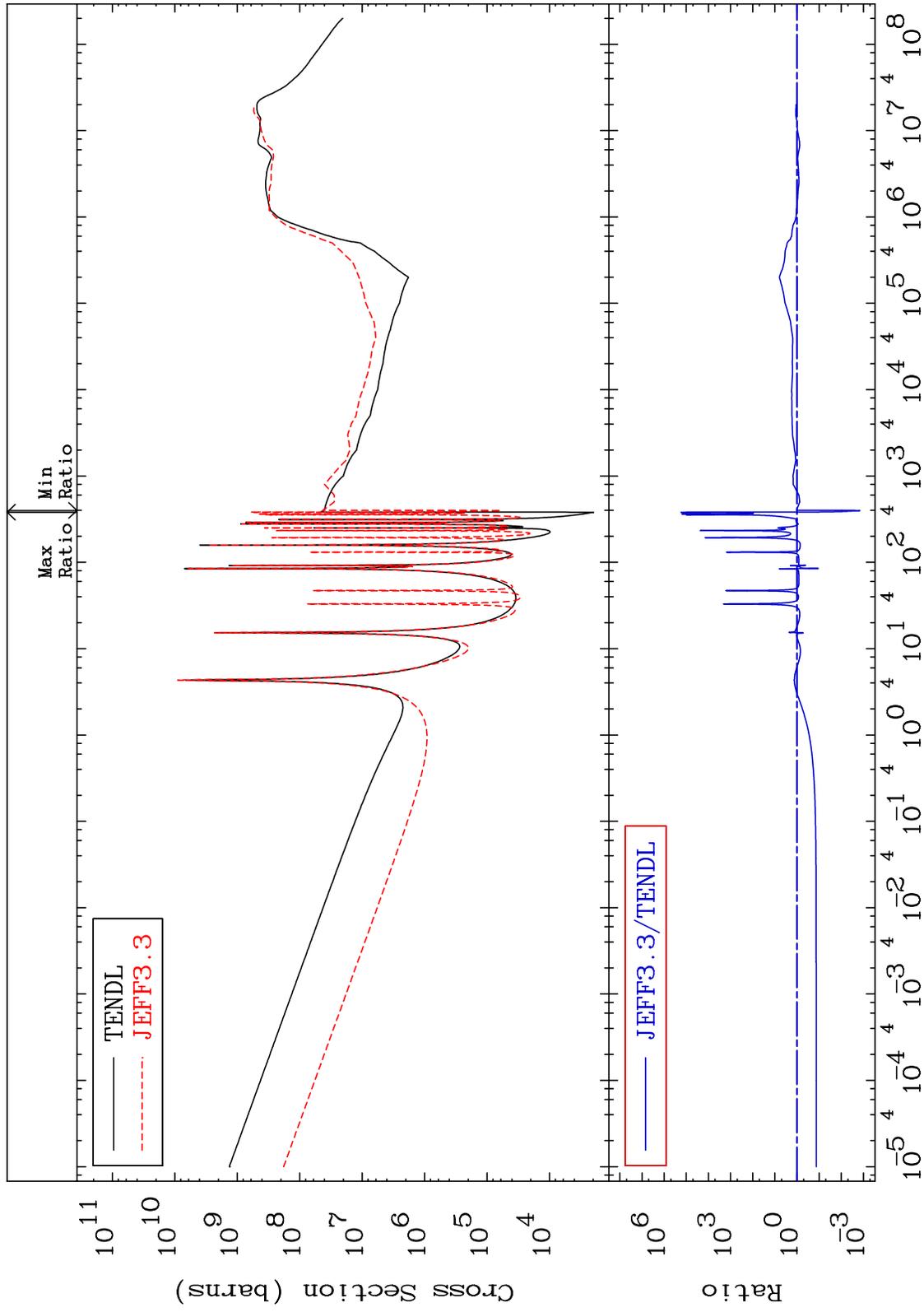




MAT 9643

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

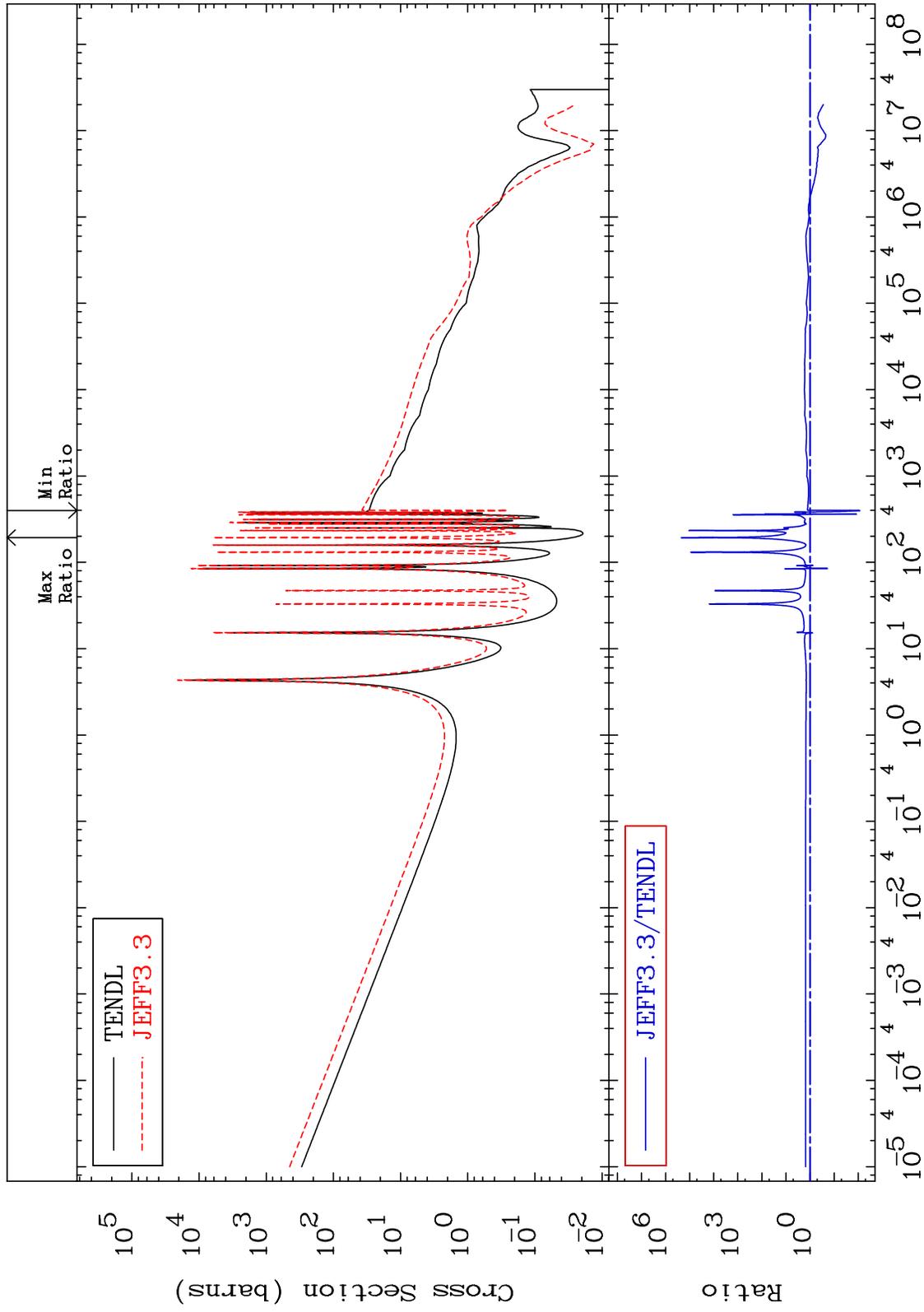
96-Cm-246
-99.85 To 9999. %



MAT 9643

Kerma capture (mt102)
Cross Section

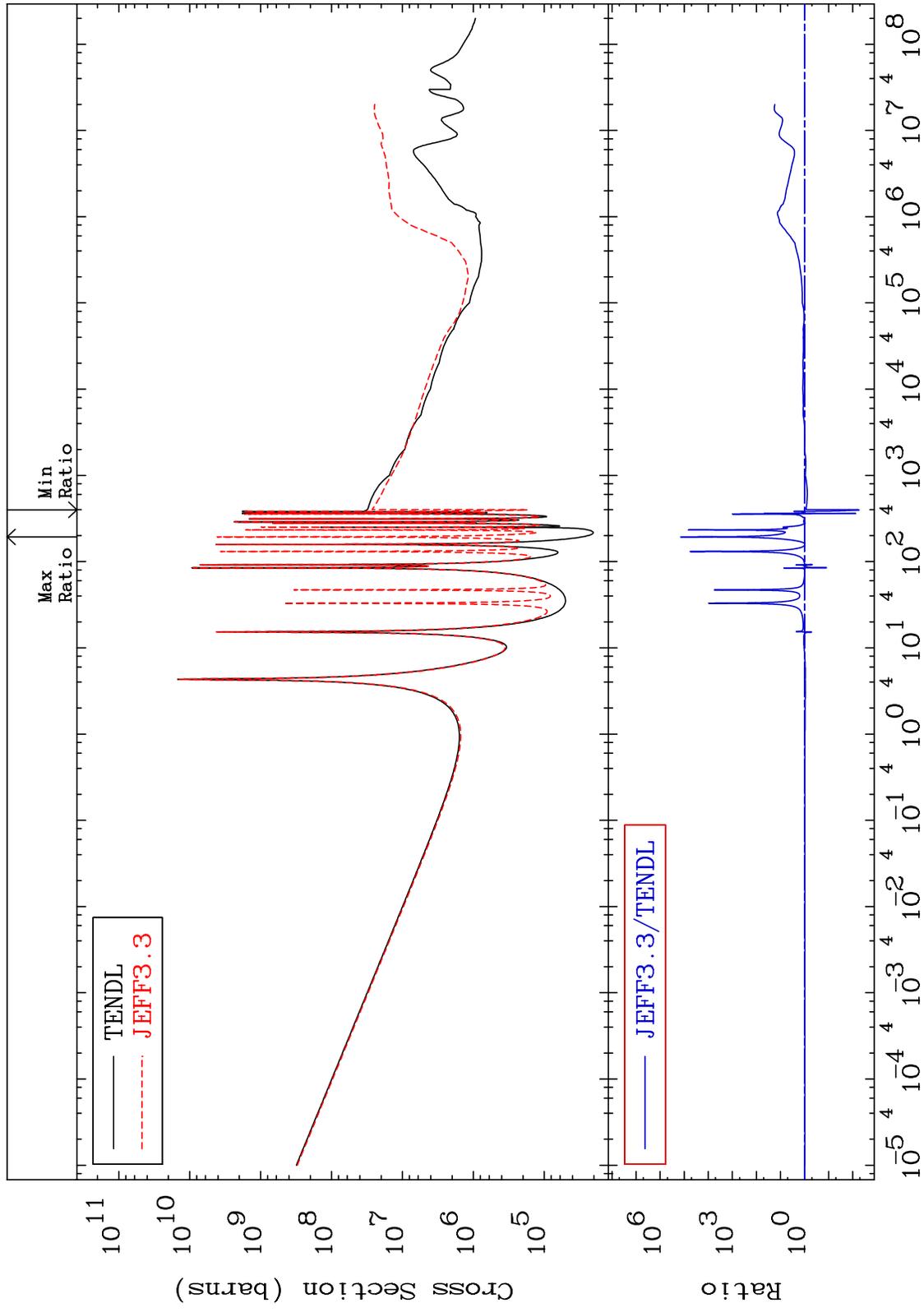
96-Cm-246
-99.14 To 9999. %



MAT 9643

Total photon (eV-barns)
Cross Section

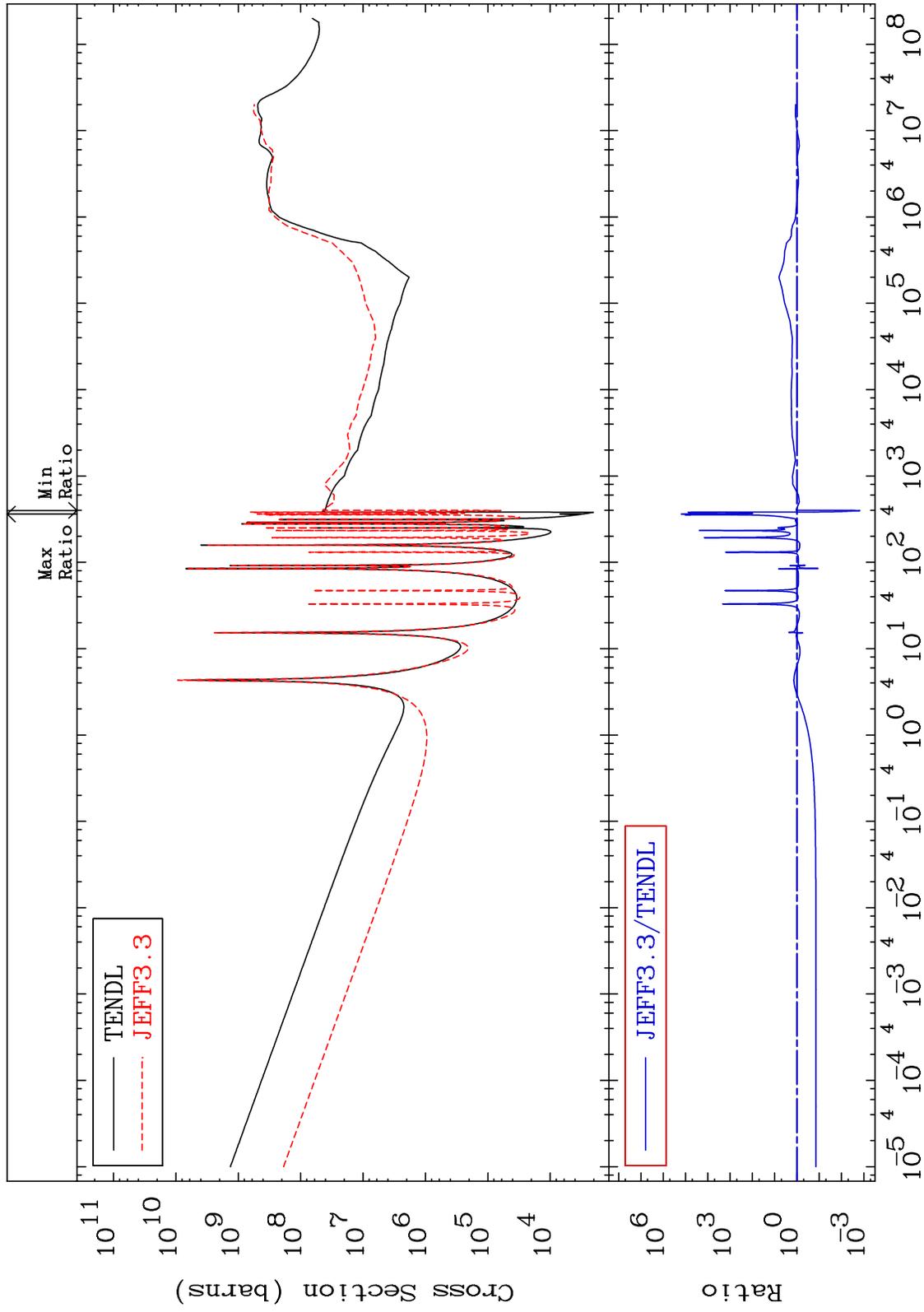
96-Cm-246
-99.46 To 9999. %



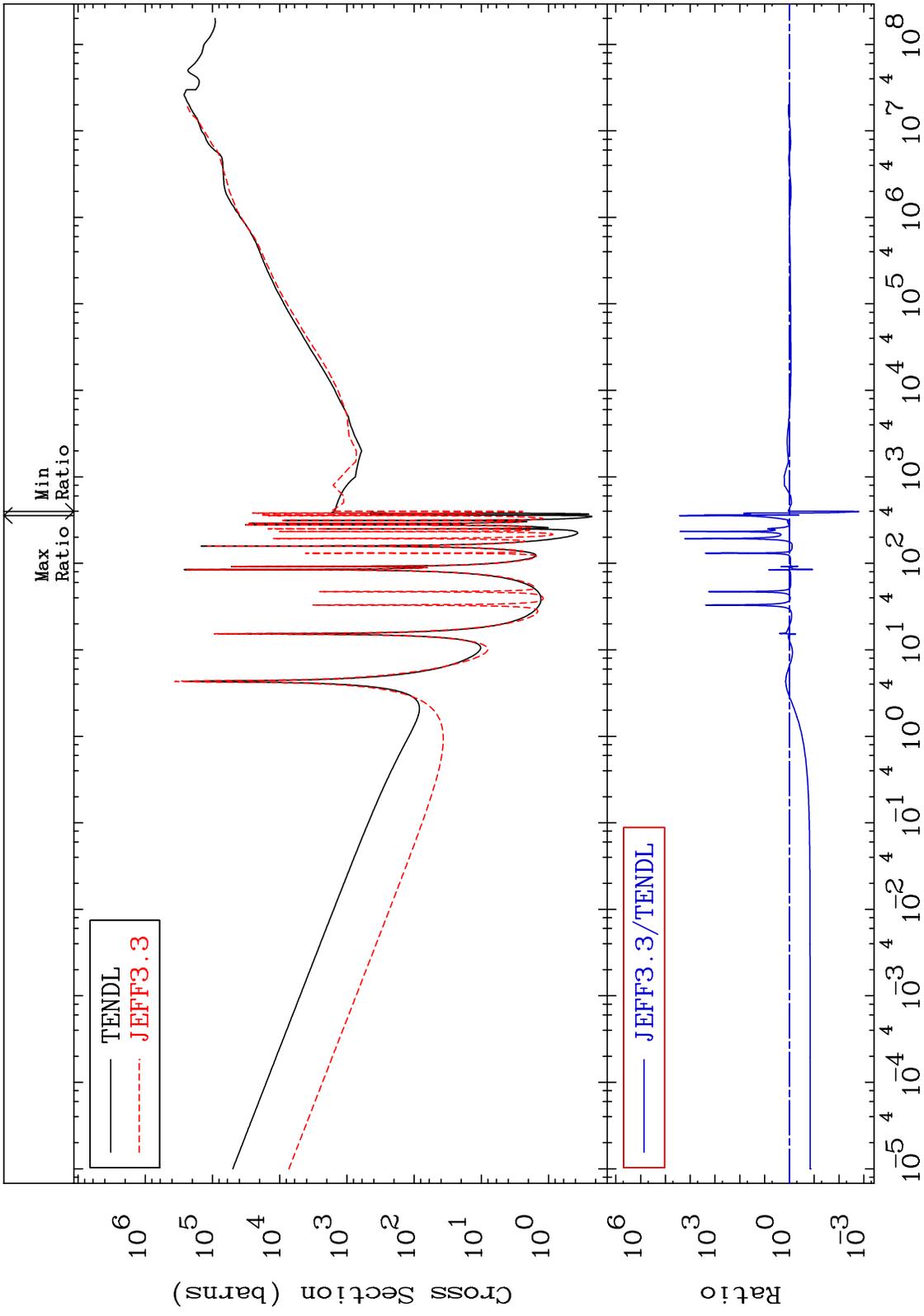
MAT 9643

Total kinematic kerma (high limit)
Cross Section

96-Cm-246
-99.85 To 9999. %

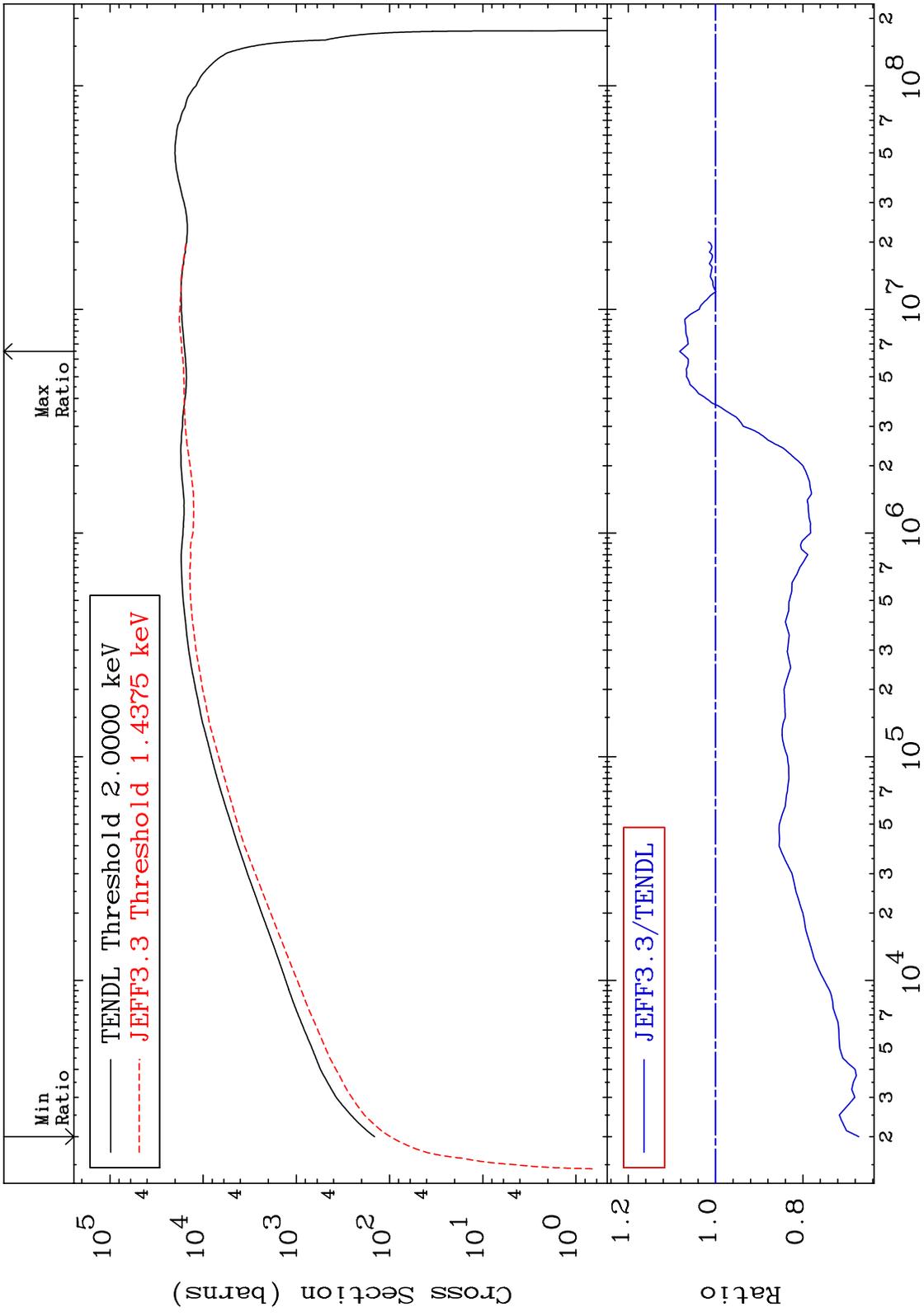


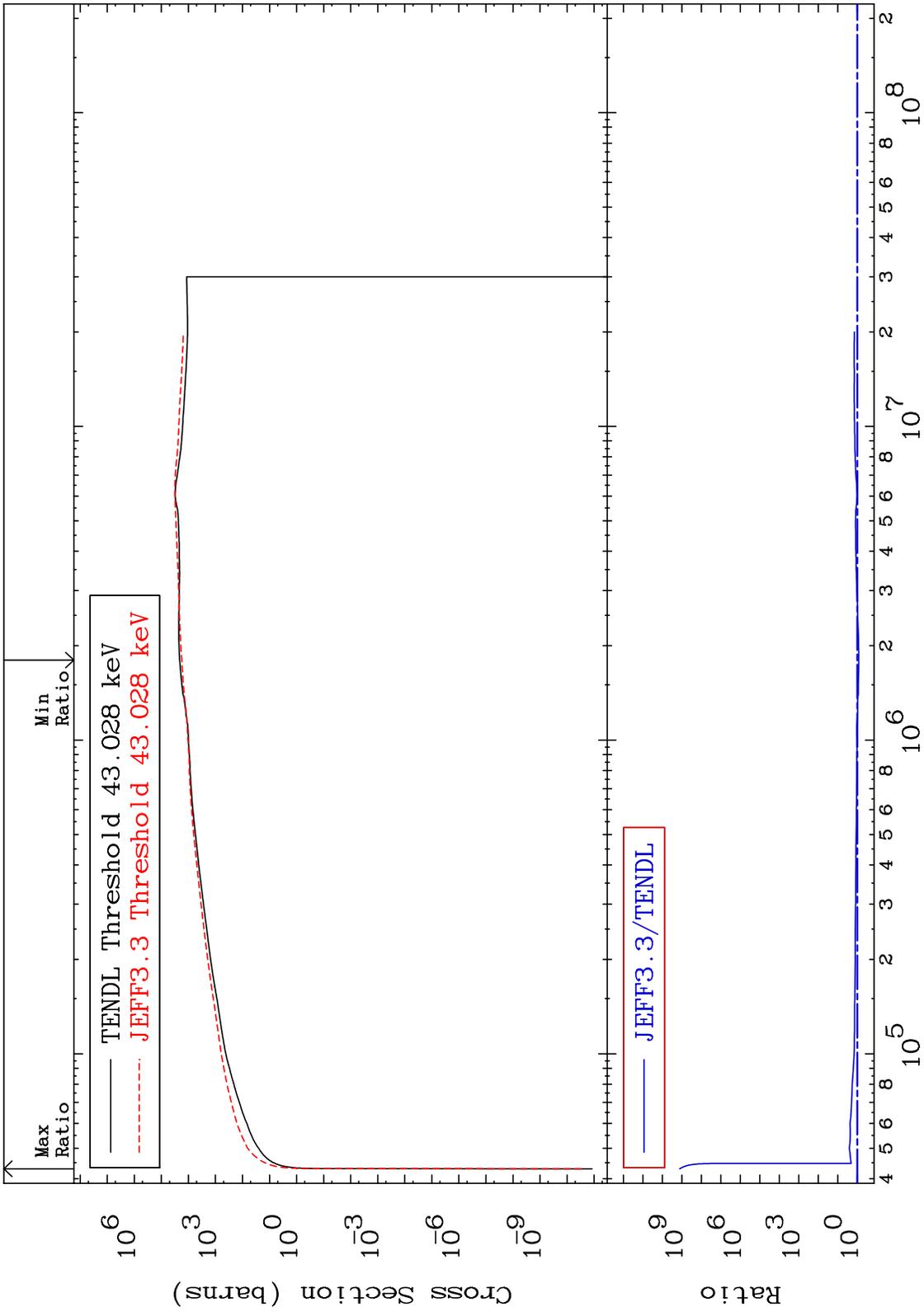
MAT 9643 Dpa total (eV-barns) 96-Cm-246
 Cross Section -99.84 To 9999. %



Incident Energy (eV) 96-Cm-246

MAT 9643 96-Cm-246
 Dpa elastic (mt2) -32.82 To 8.215 %
 Cross Section

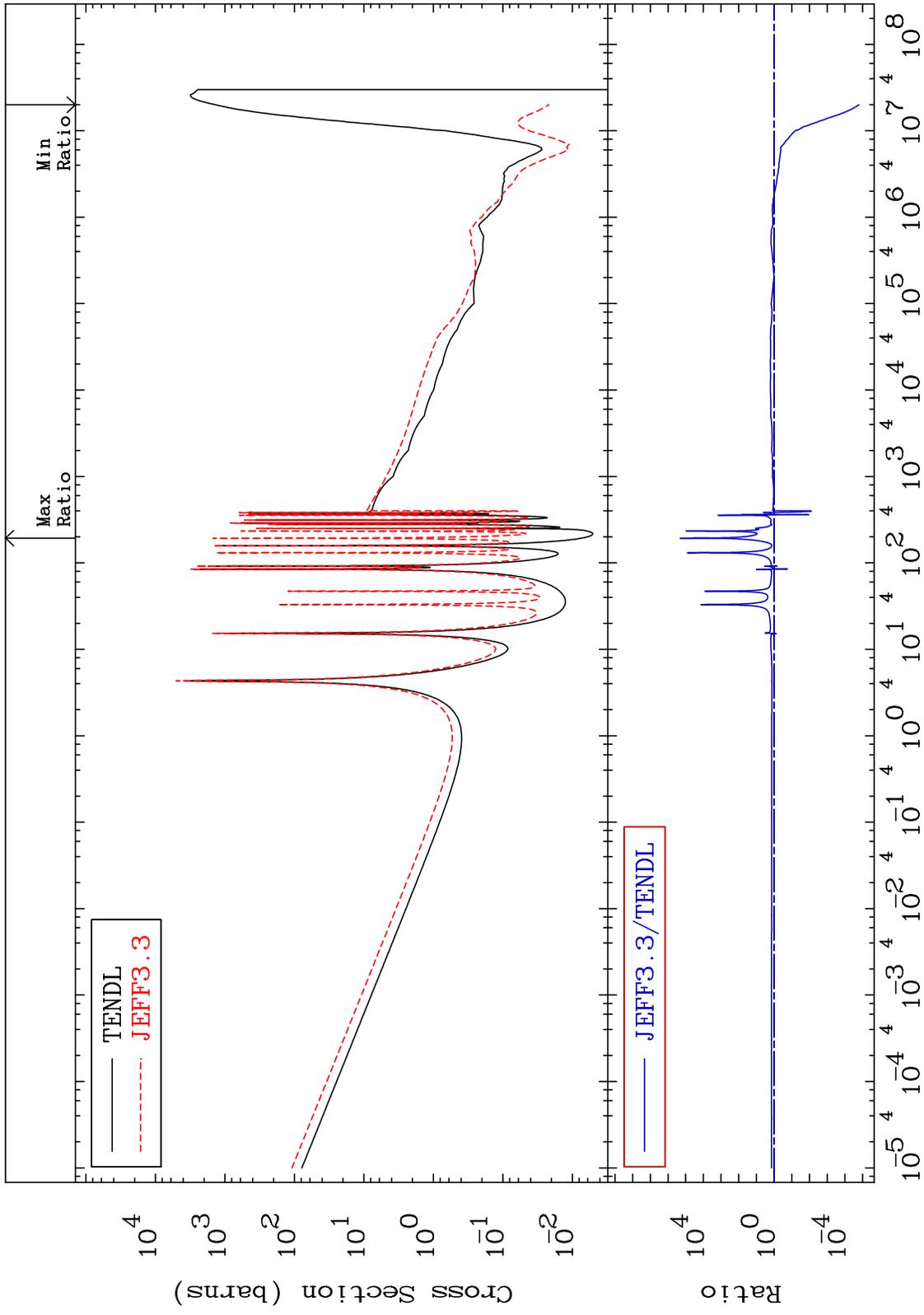




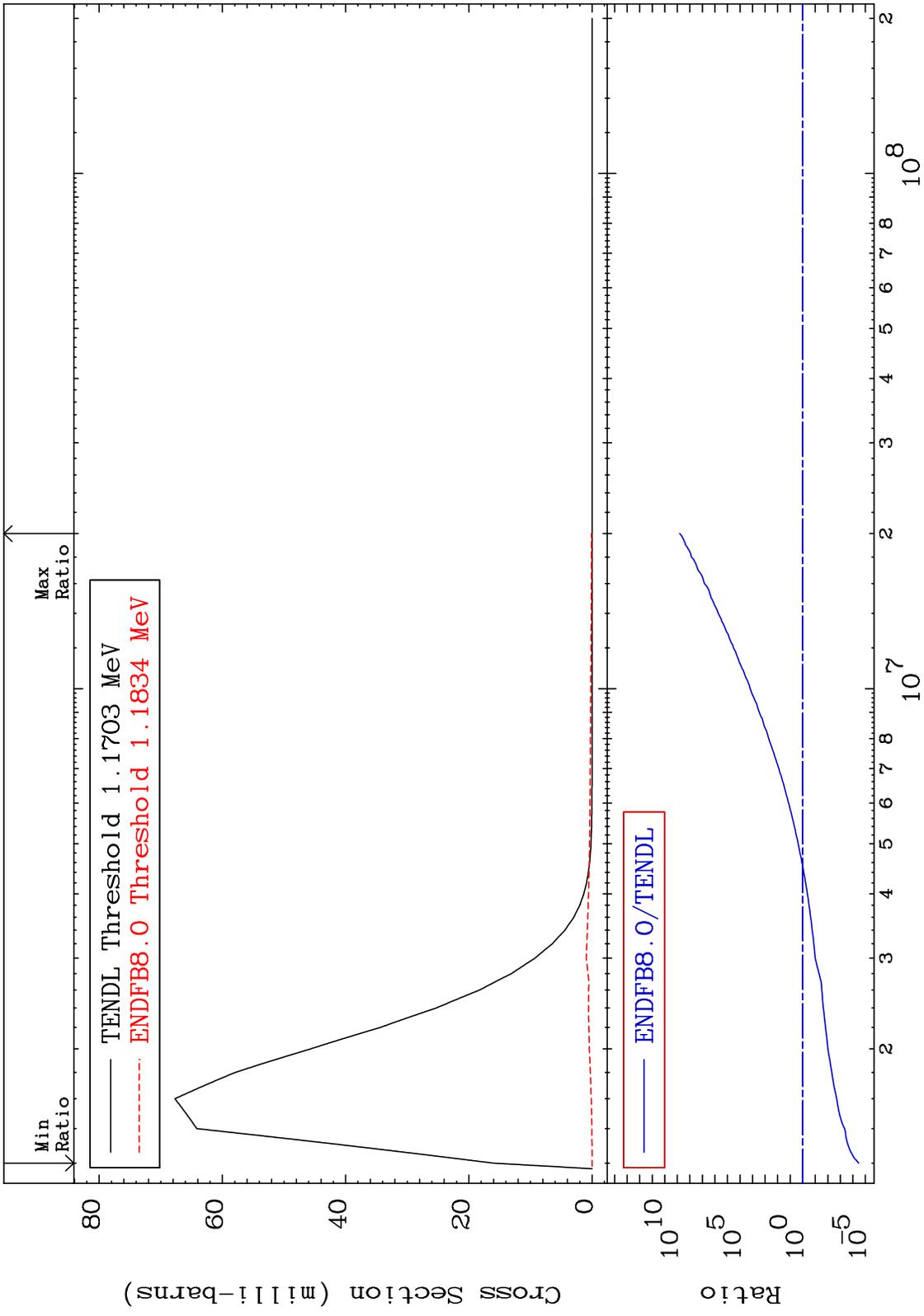
MAT 9643

Dpa disappearance (mt102 -120)
Cross Section

96-Cm-246
-100.0 To 9999. %



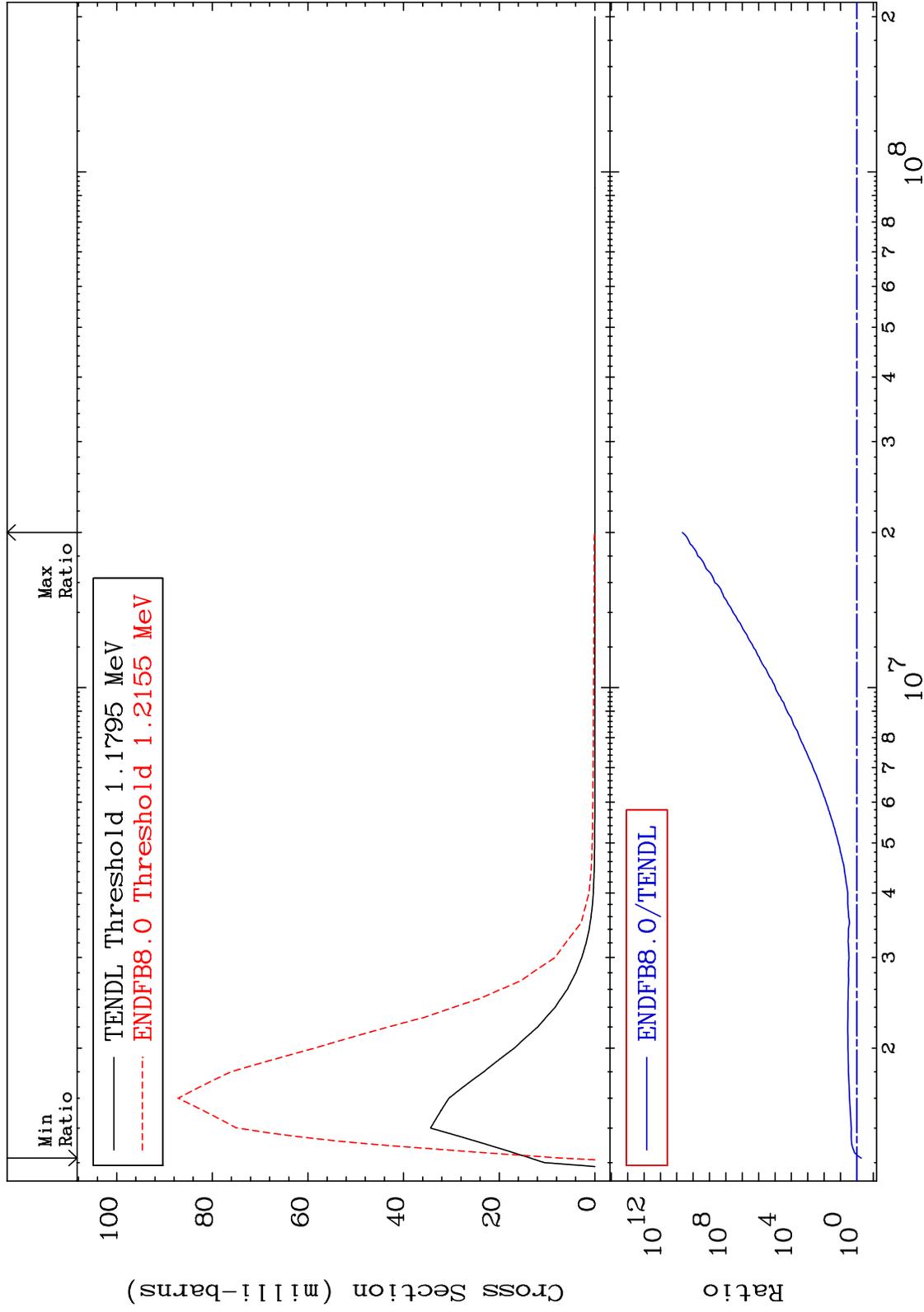
MAT 9643 MT= 68 (n,n') Level Cross Section 96-Cm-246
 -100.0 To 9999. %



MAT 9643

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

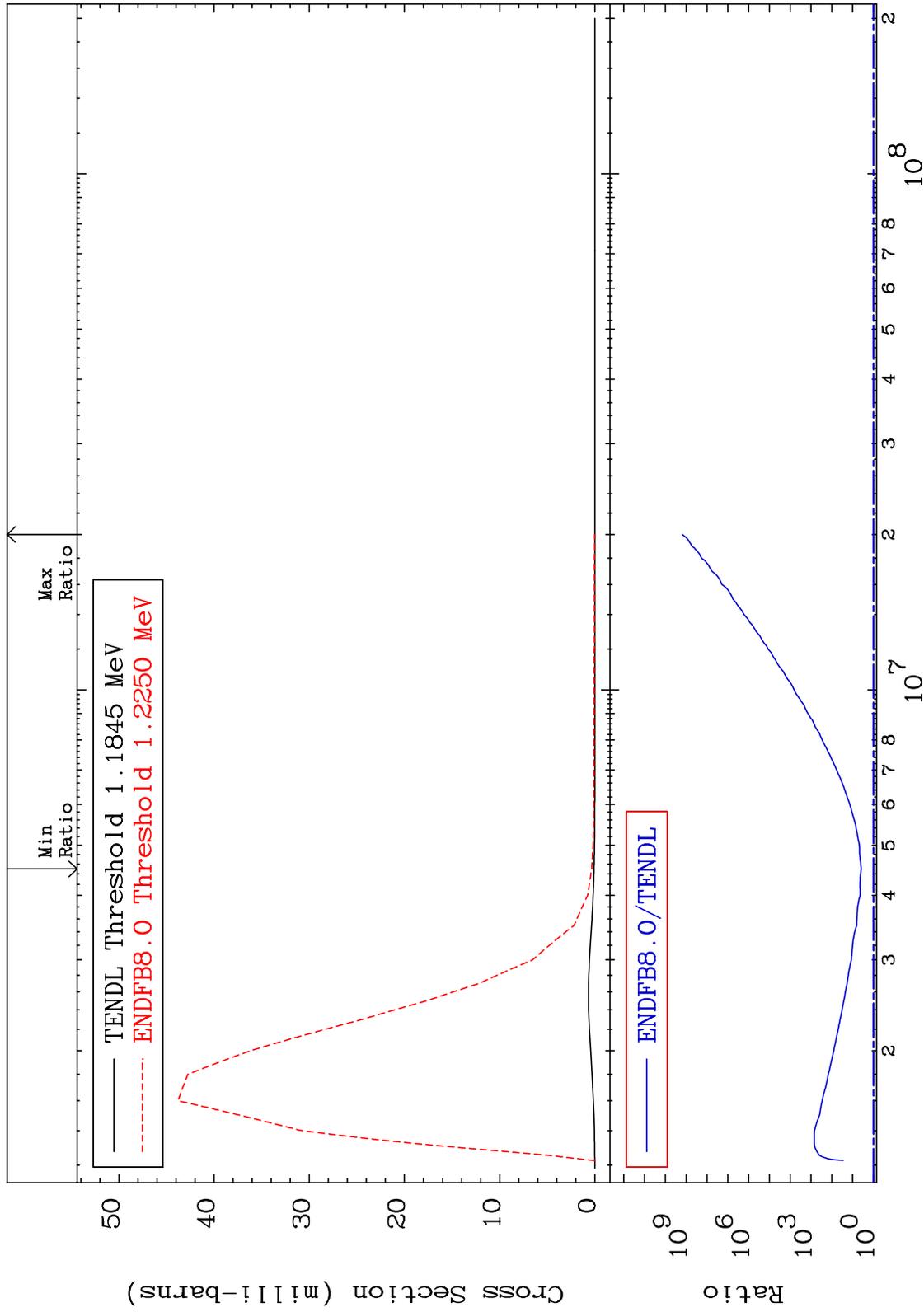
96-Cm-246
-46.65 To 9999. %



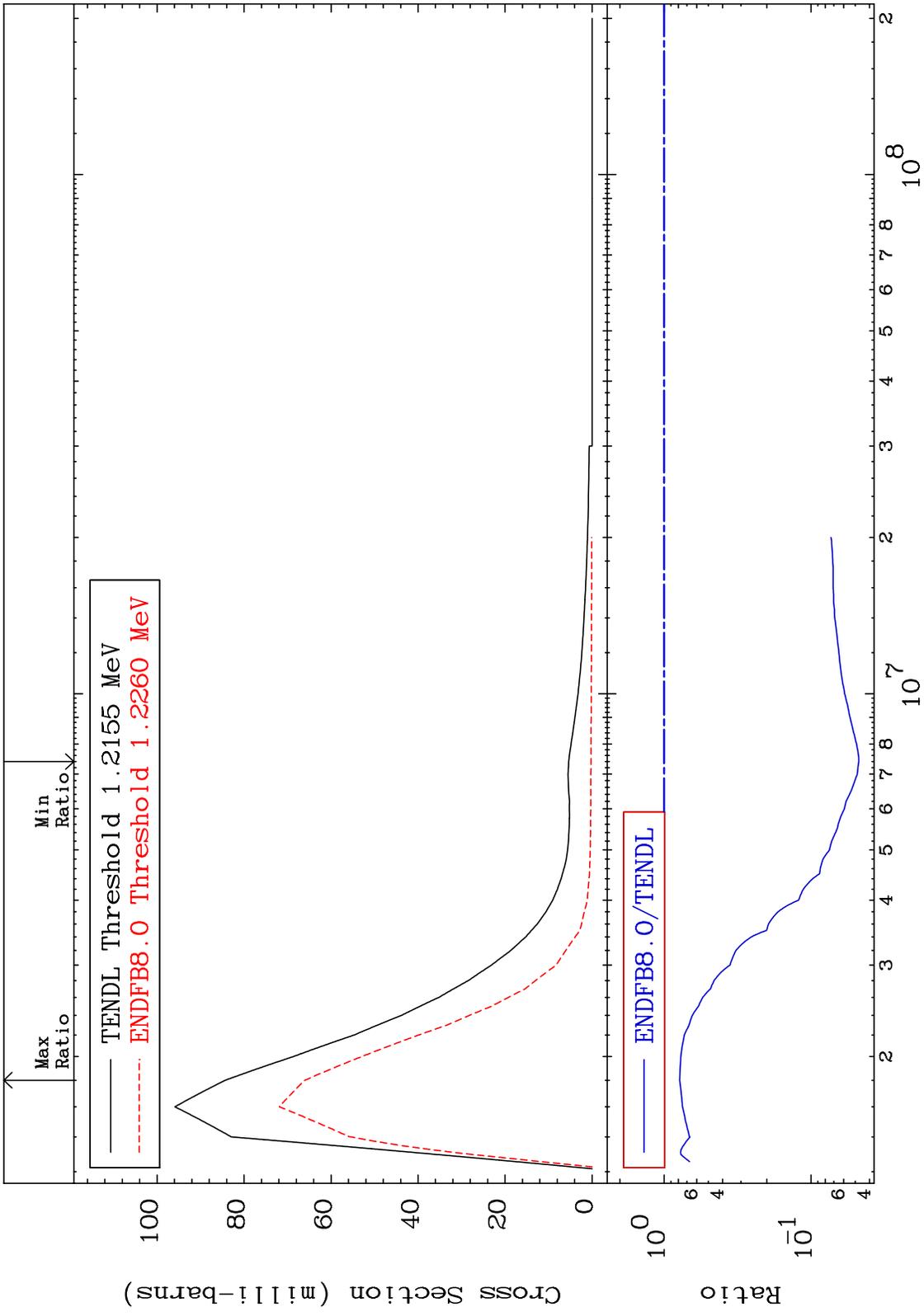
MAT 9643

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

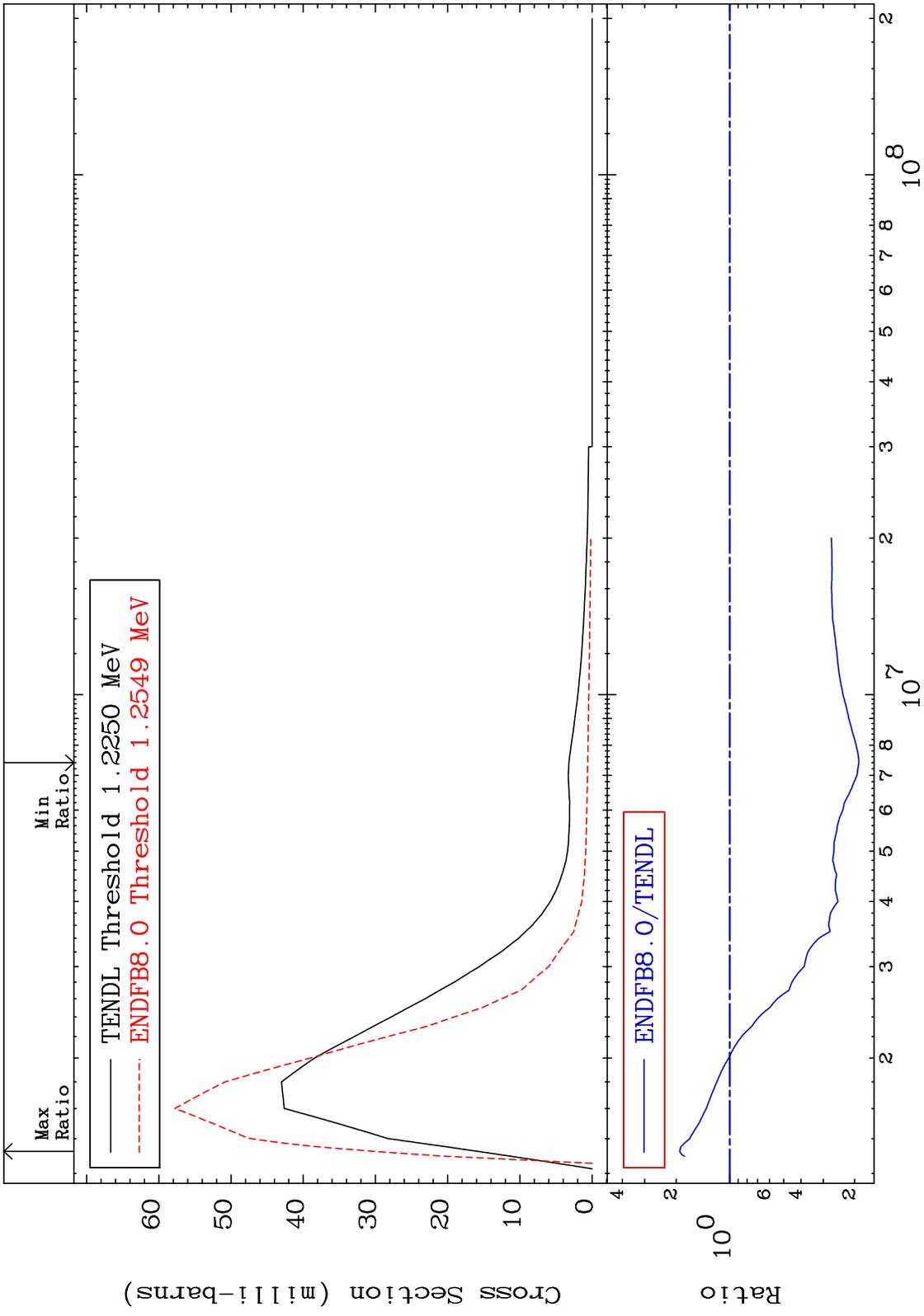
96-Cm-246
282.2 To 9999. %



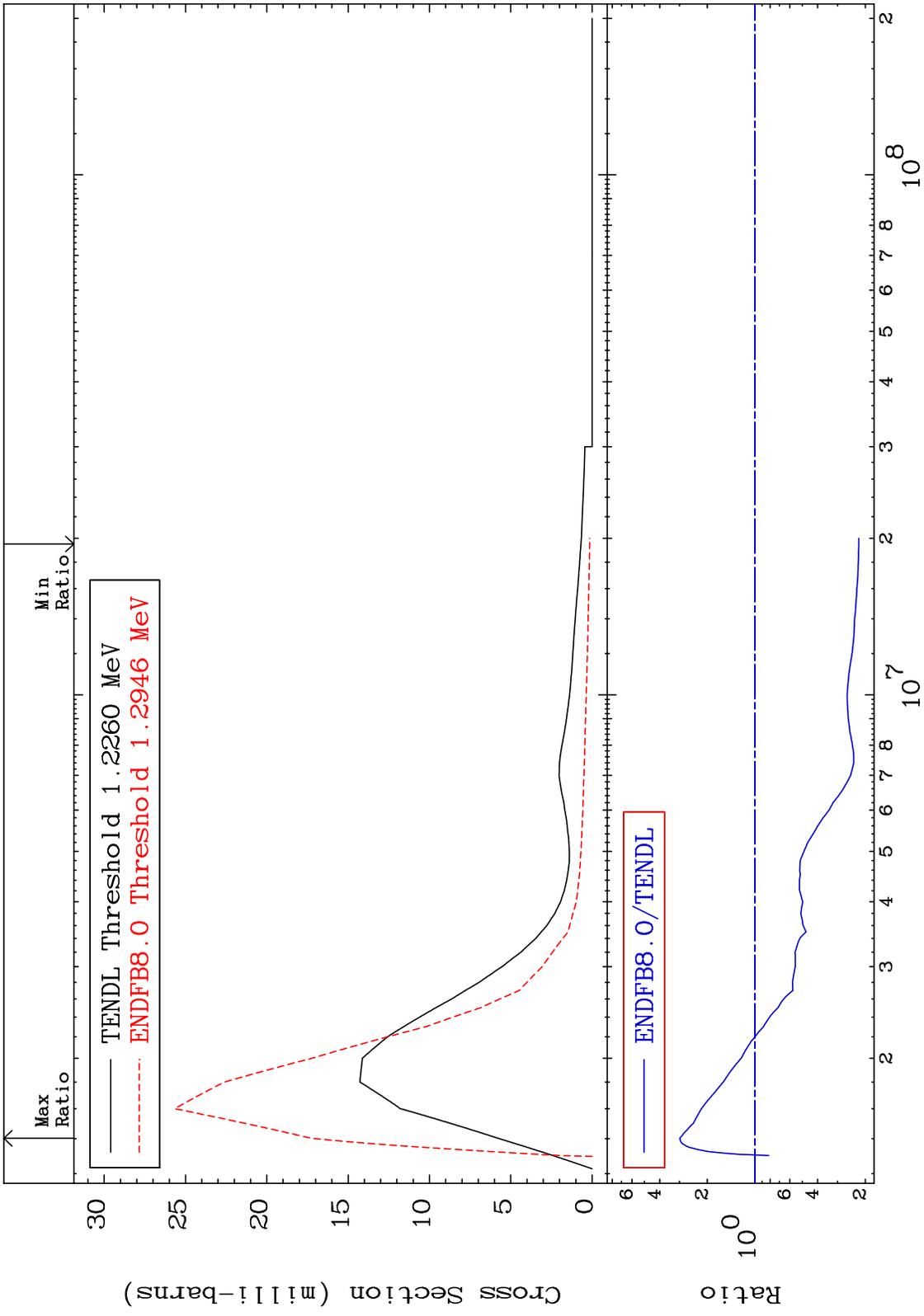
MAT 9643 MT= 71 (n,n') Level Cross Section 96-Cm-246
 -95.27 To -21.67%



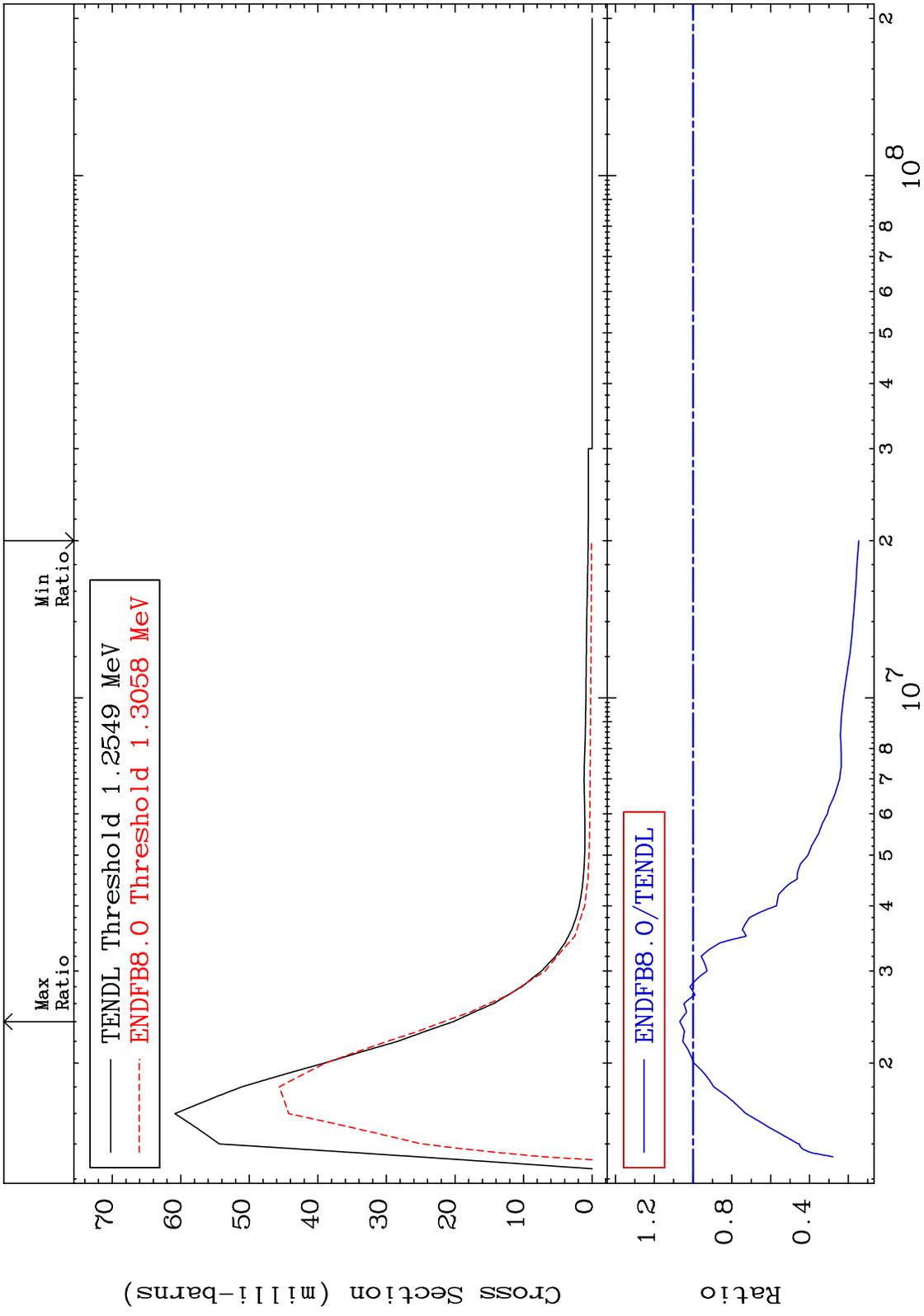
MAT 9643 MT= 72 (n,n') Level Cross Section 96-Cm-246
 -81.04 To 90.89 %



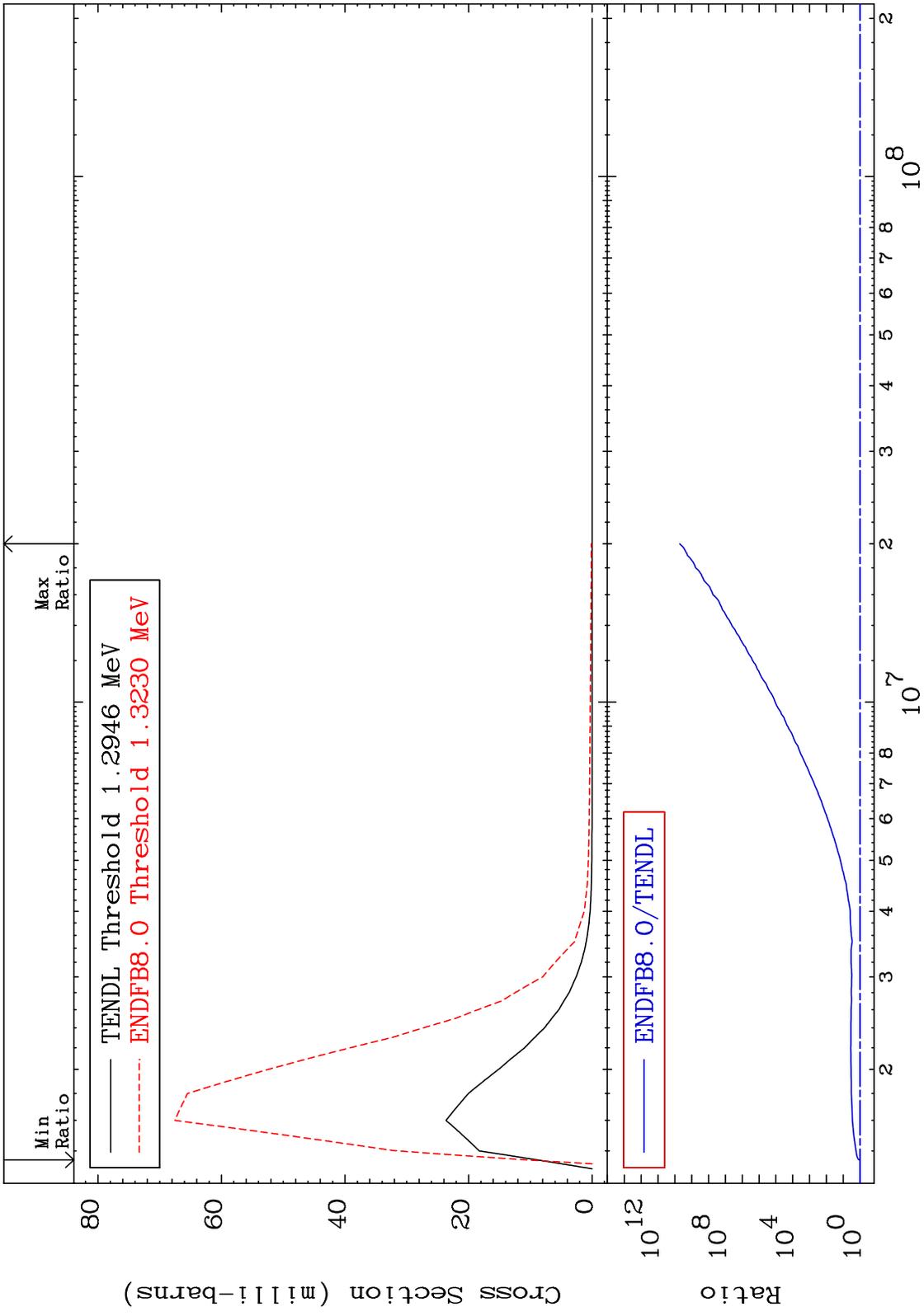
MAT 9643 MT= 73 (n,n') Level Cross Section -78.04 To 198.9 % 96-Cm-246



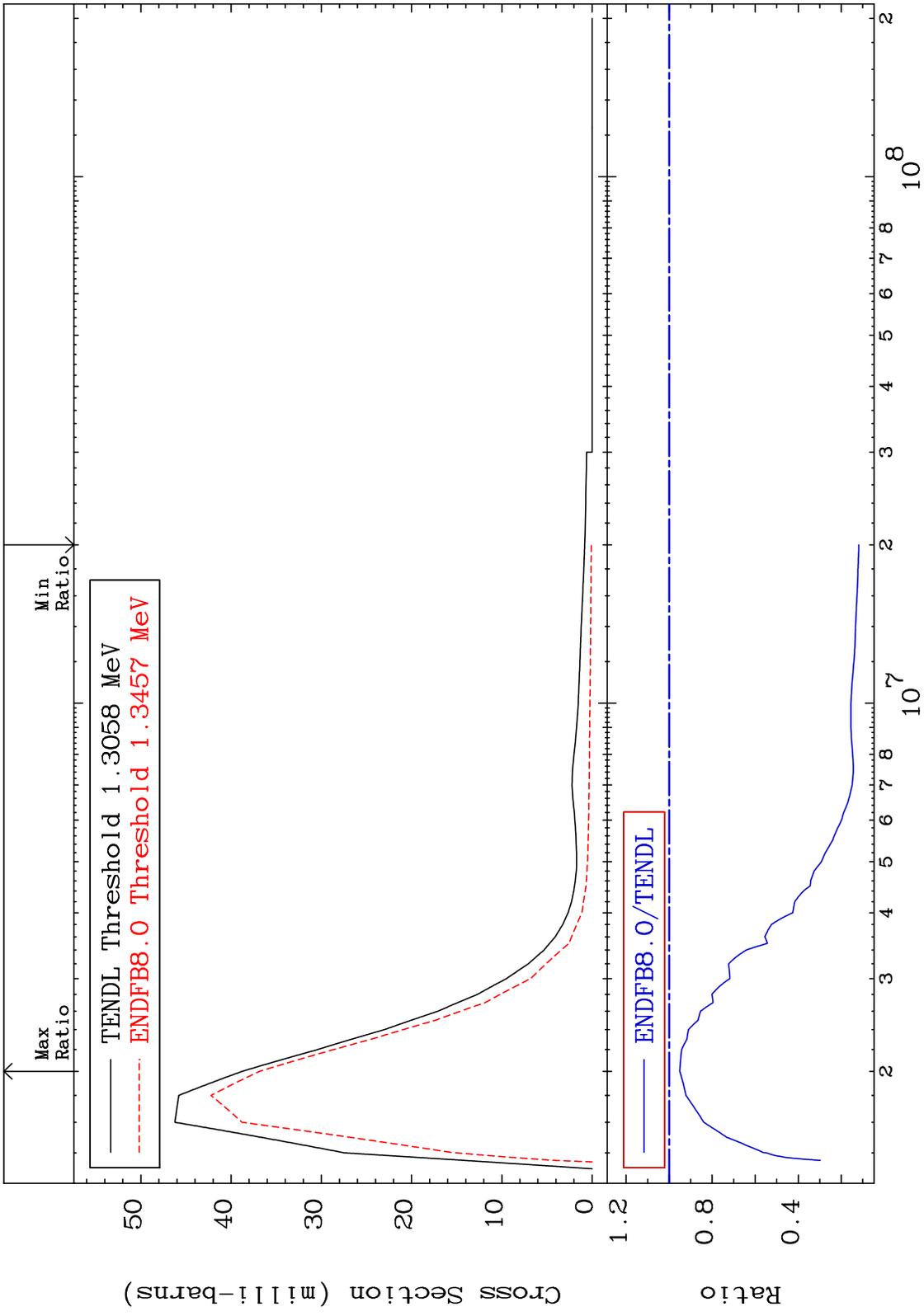
MAT 9643 MT= 74 (n,n') Level Cross Section 96-Cm-246
 -85.42 To 6.856 %



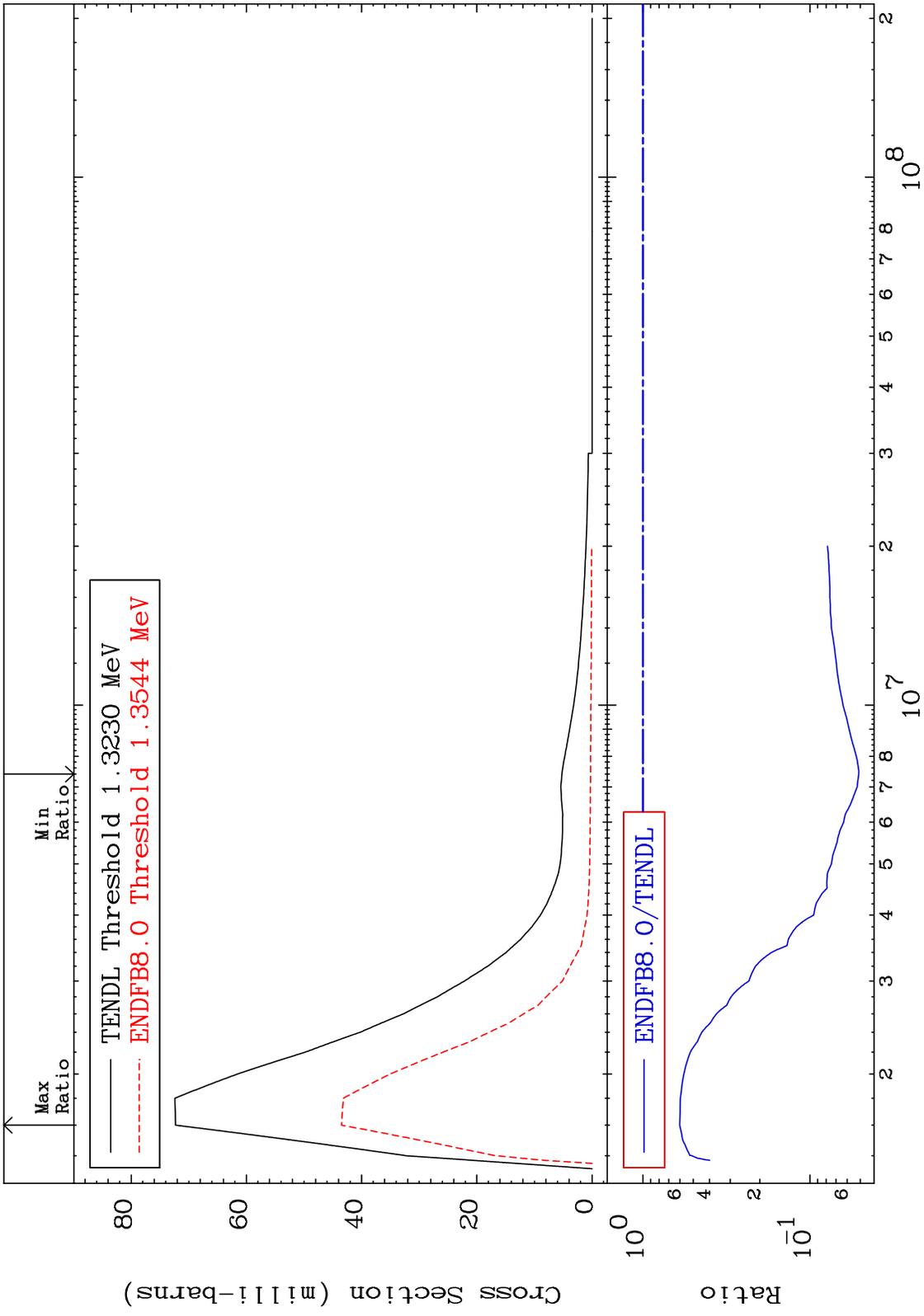
MAT 9643 MT= 75 (n,n') Level Cross Section 96-Cm-246
 19.01 To 9999. %



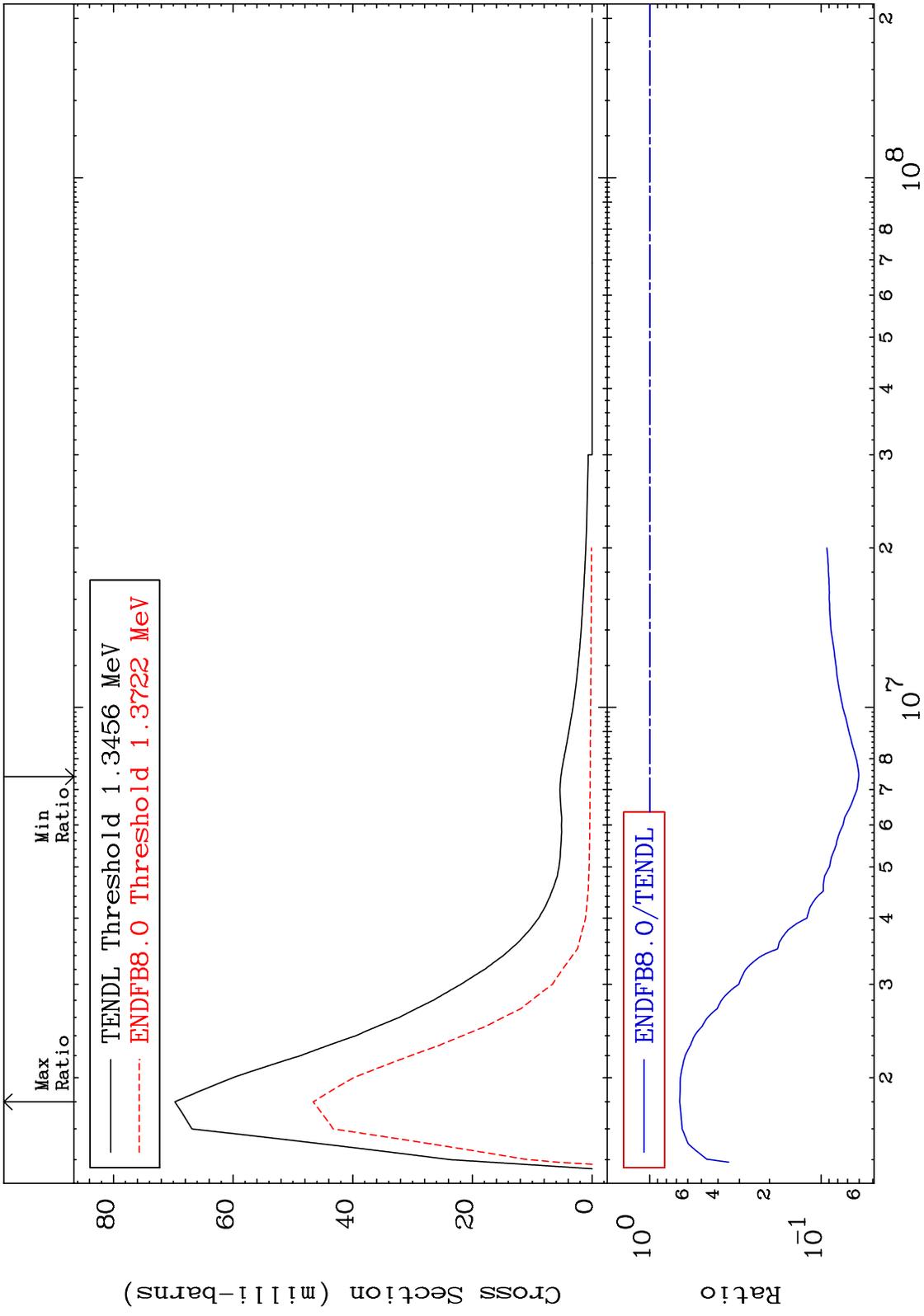
MAT 9643 MT= 76 (n,n') Level Cross Section 96-Cm-246
 -88.14 To -4.922%



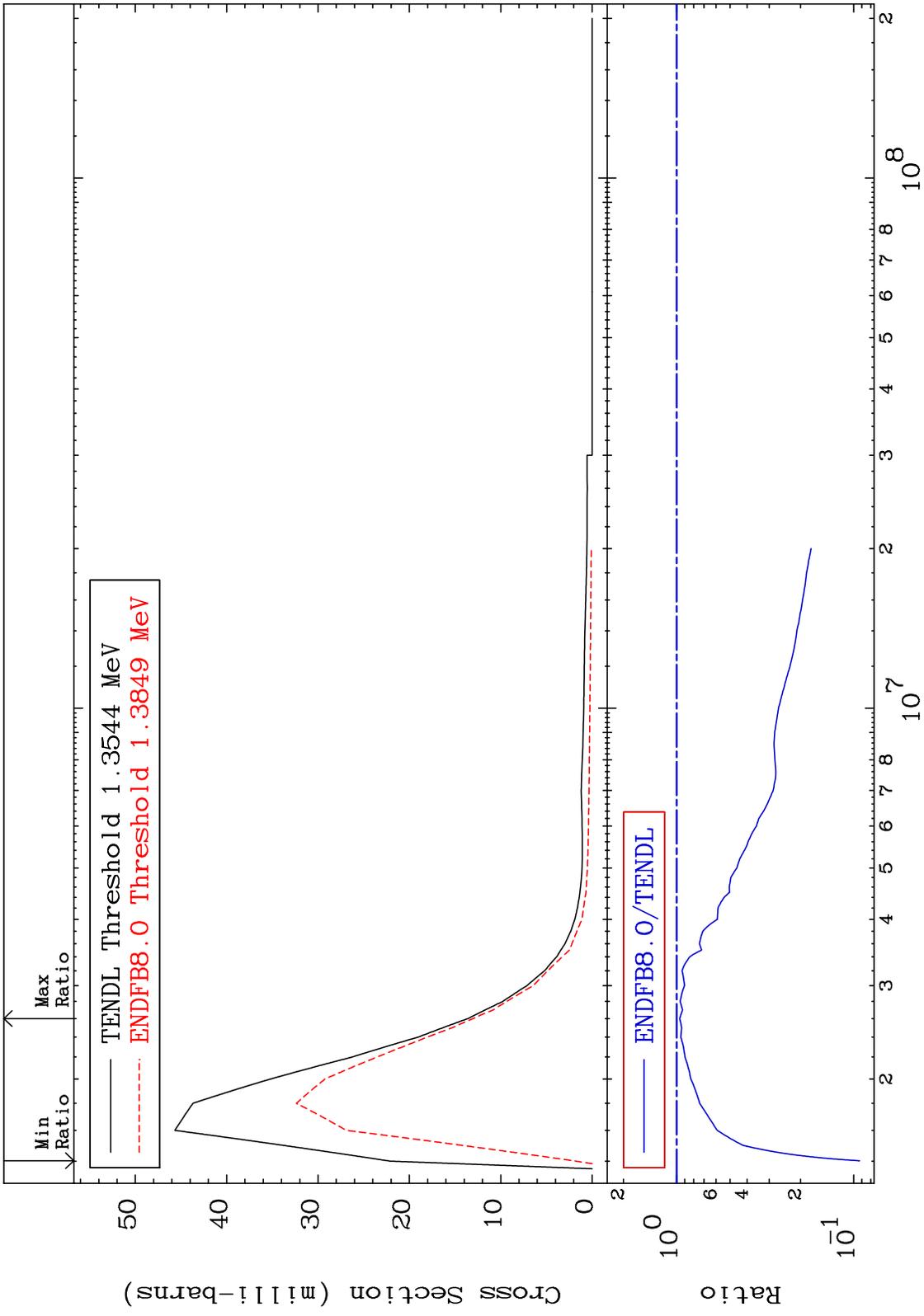
MAT 9643 MT= 77 (n,n') Level Cross Section 96-Cm-246
 -94.89 To -39.84%



MAT 9643 MT= 78 (n,n') Level Cross Section 96-Cm-246
 -93.97 To -33.15%



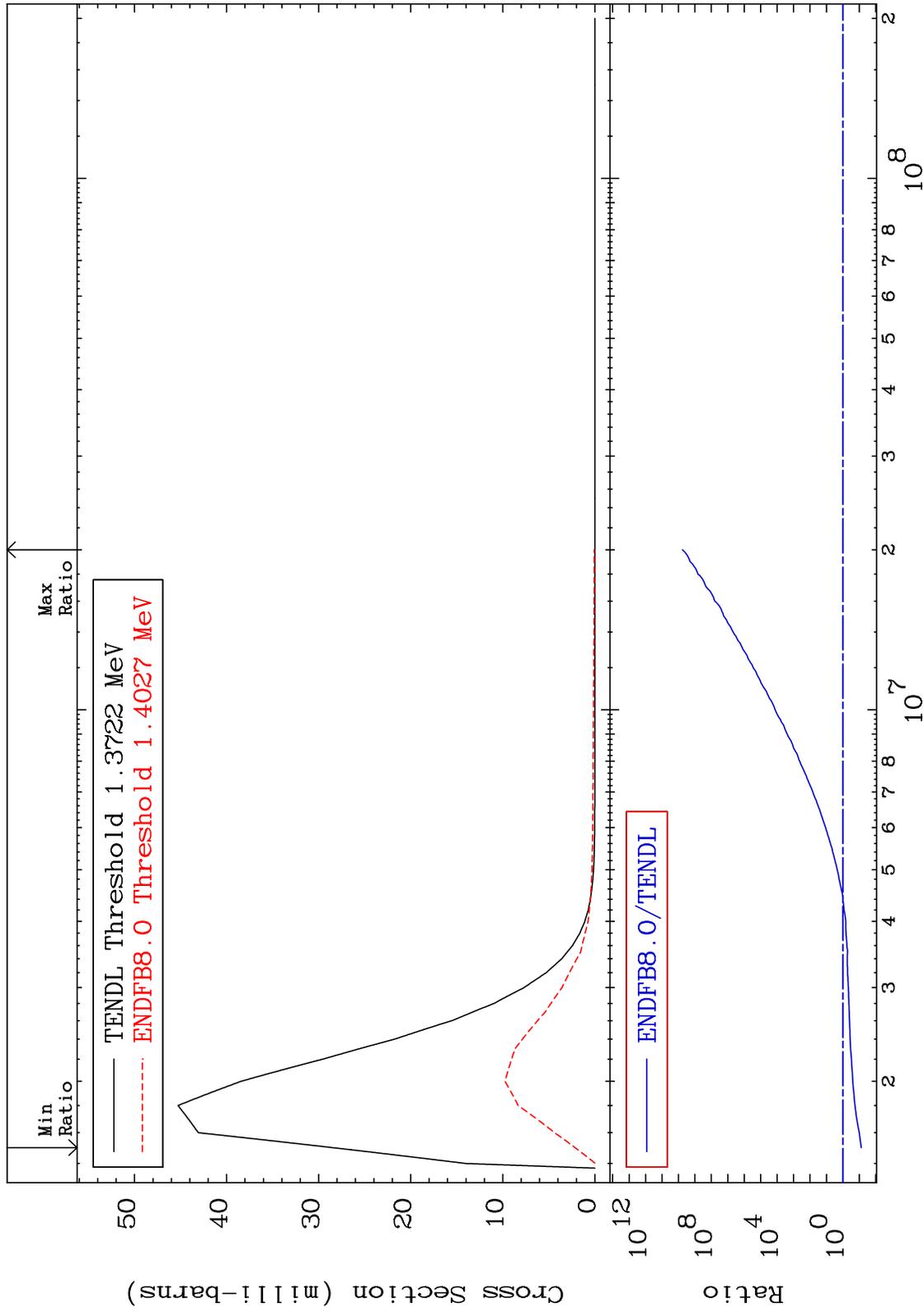
MAT 9643 MT= 79 (n,n') Level Cross Section 96-Cm-246
 -90.64 To -3.969%



MAT 9643

MT= 80 (n,n') Level
Cross Section

96-Cm-246
-92.45 To 9999. %



40

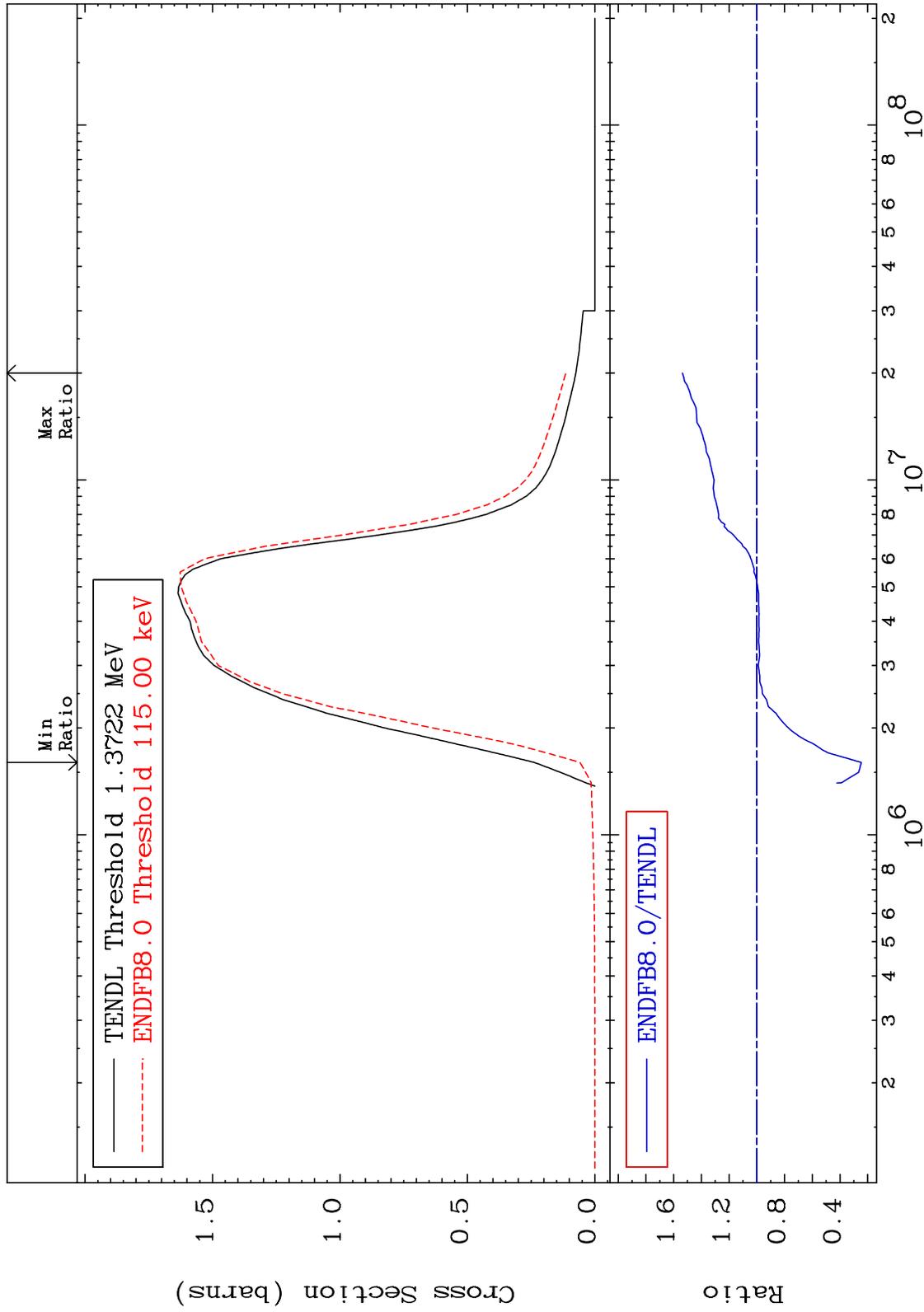
Incident Energy (eV)

96-Cm-246

MAT 9643

(n, n') Continuum
Cross Section

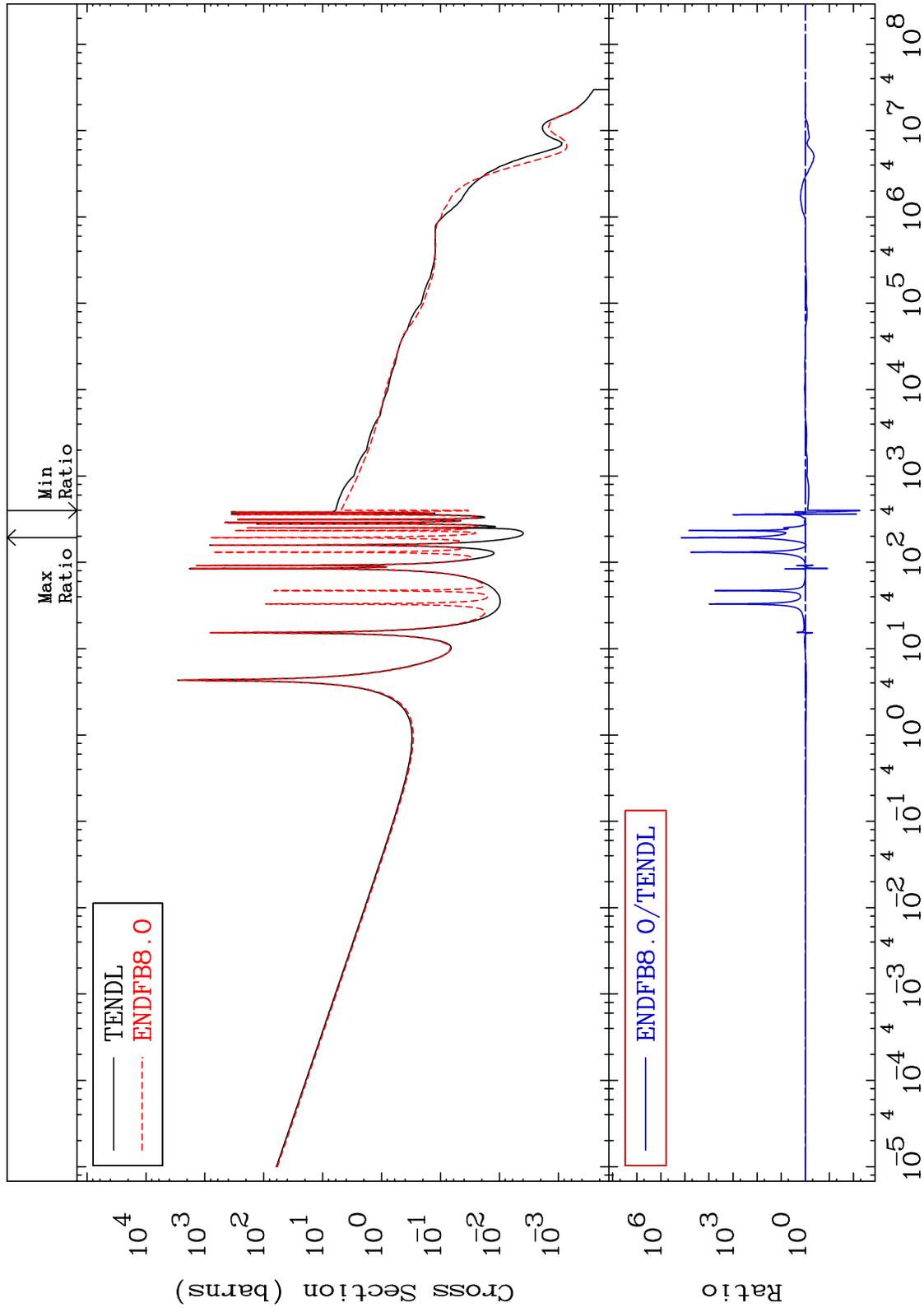
96-Cm-246
-75.39 To 53.65 %



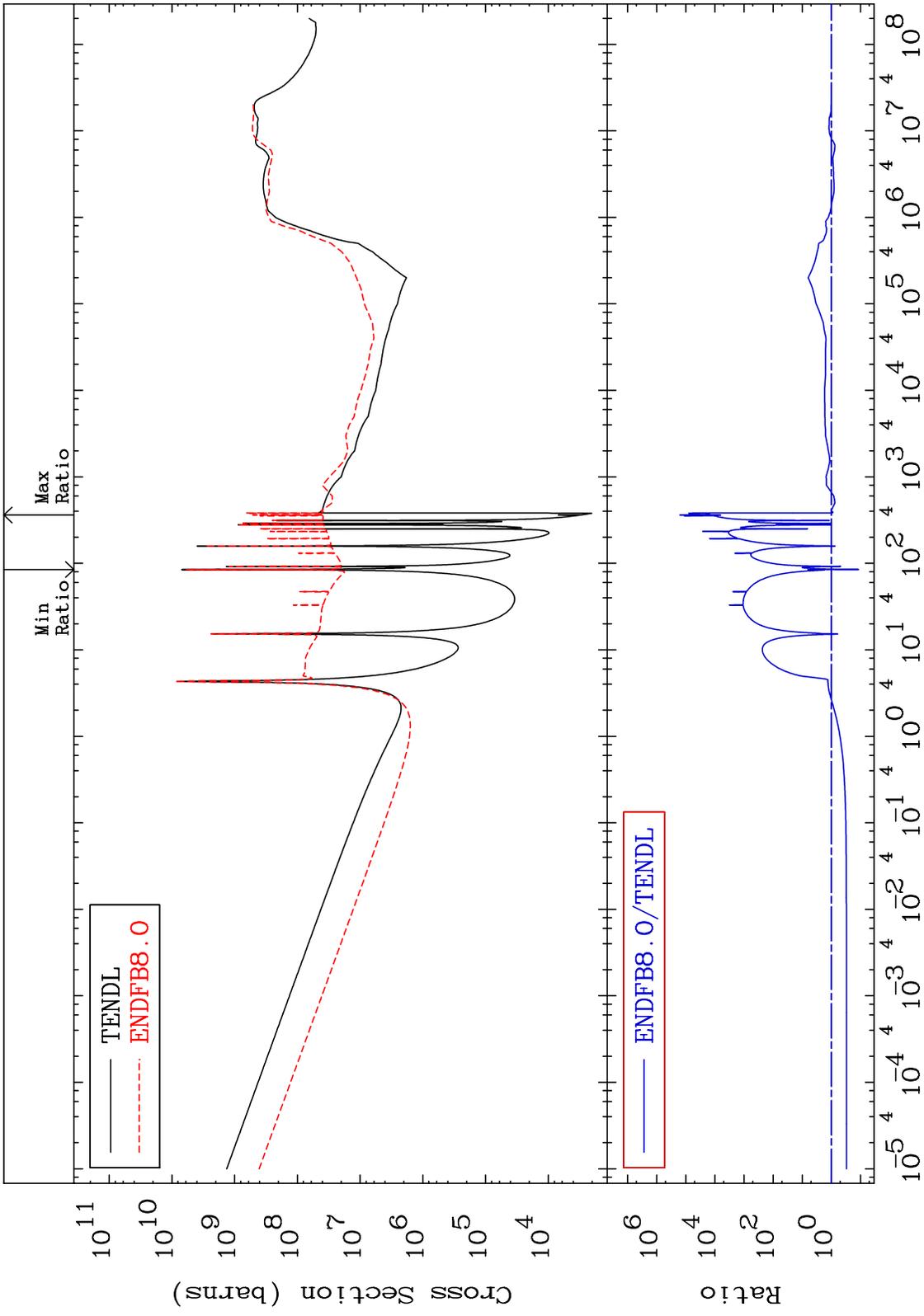
MAT 9643

(n, γ)
Cross Section

96-Cm-246
-99.46 To 9999. %



MAT 9643 Kerma total (eV-barns) 96-Cm-246
 Cross Section -88.54 To 9999. %

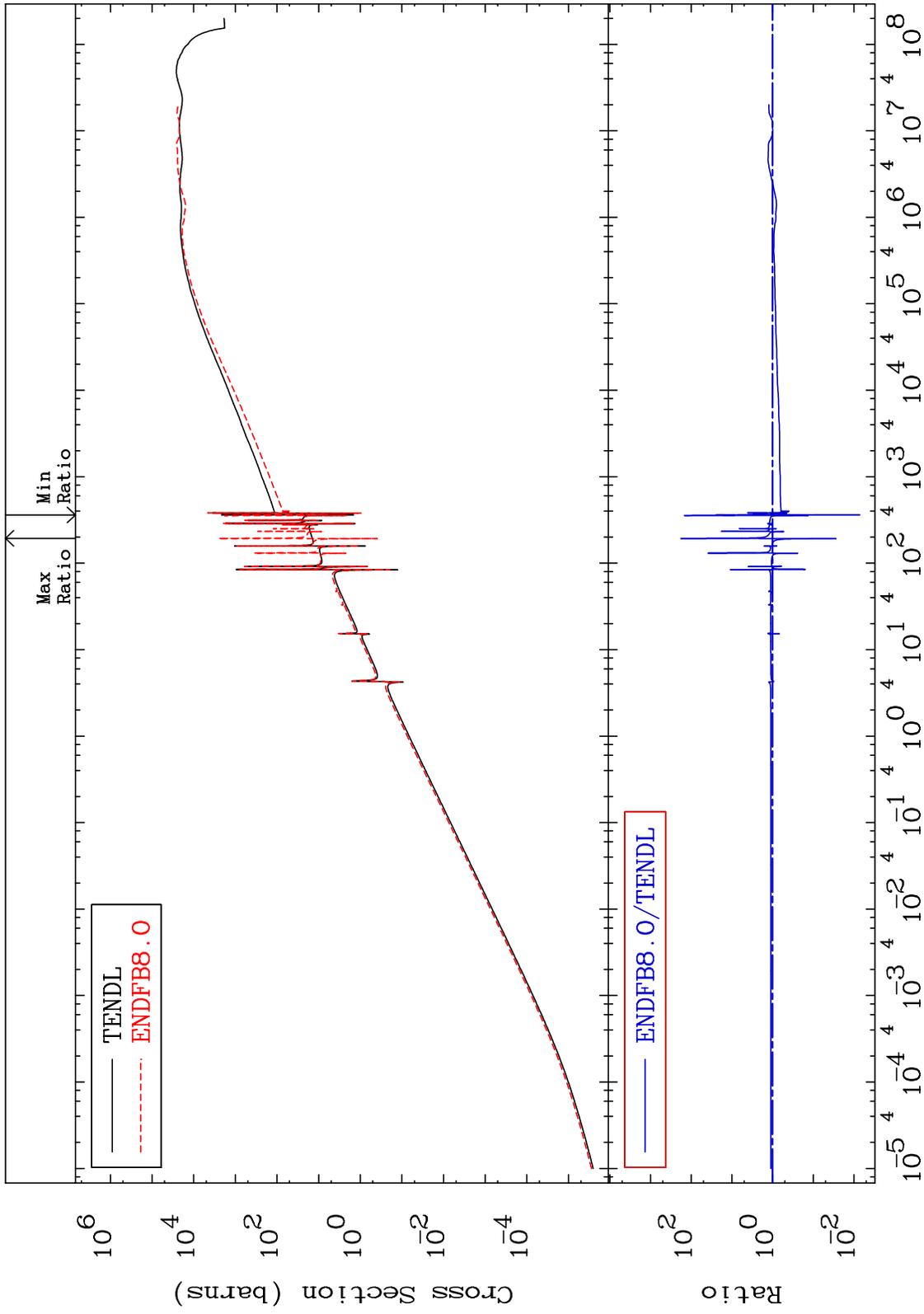


43 Incident Energy (eV) 96-Cm-246

MAT 9643

Kerma elastic
Cross Section

96-Cm-246
-99.28 To 9999. %



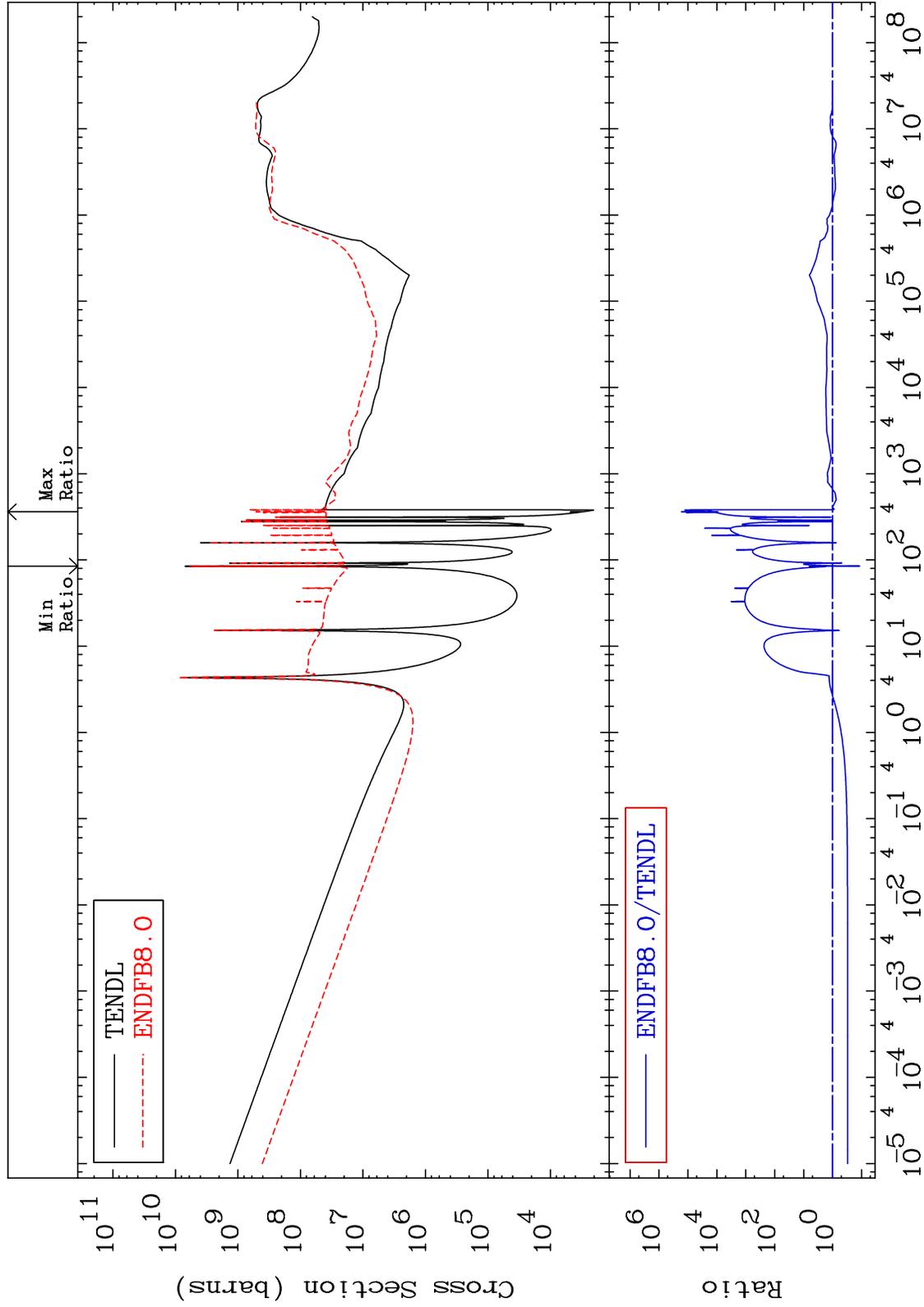
MAT 9643

Kerma non-elastic (all but mt2)

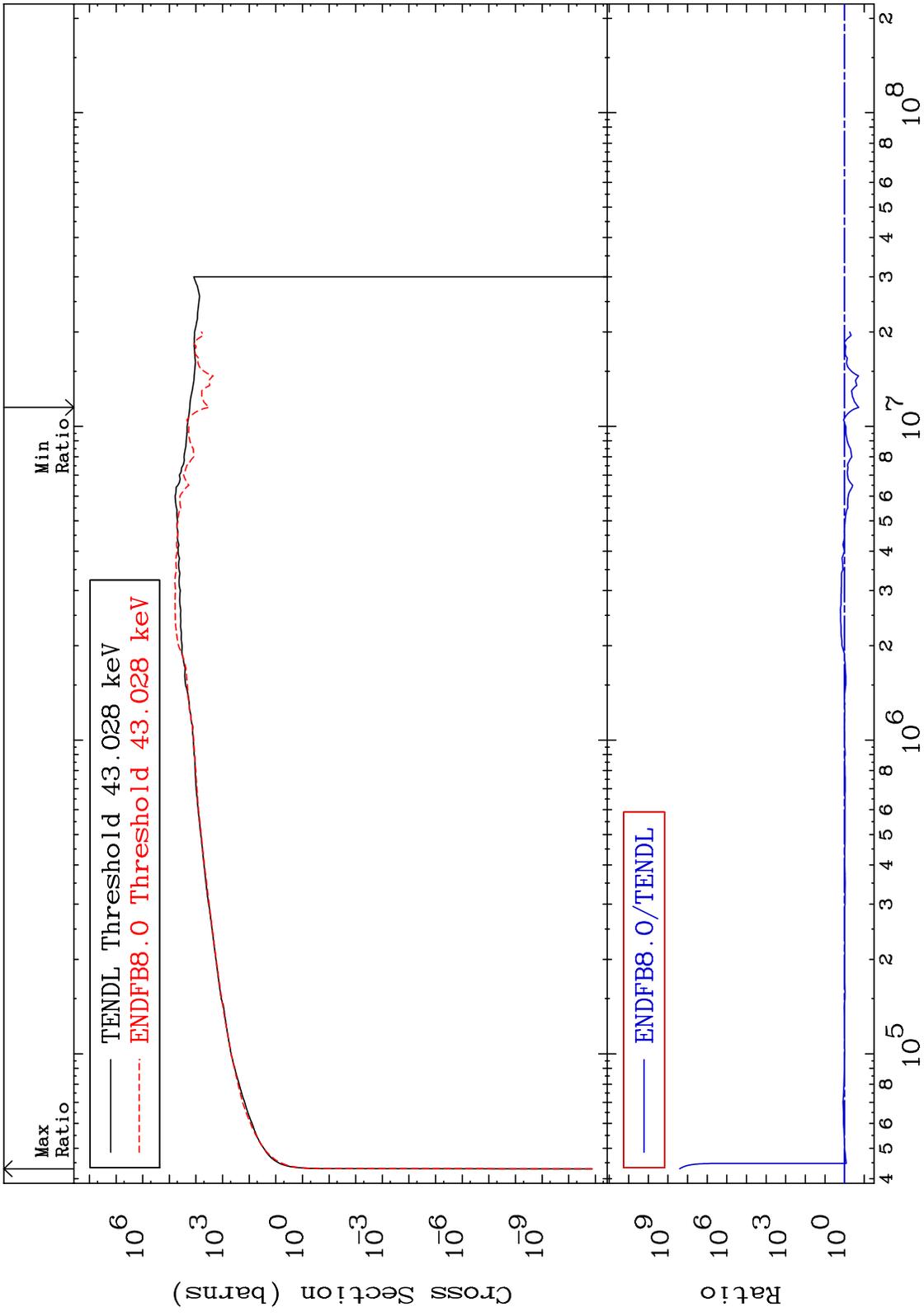
96-Cm-246

-88.54 To 9999. %

Cross Section



MAT 9643 Kerma inelastic (mt51-91) 96-Cm-246
Cross Section -81.18 To 9999. %

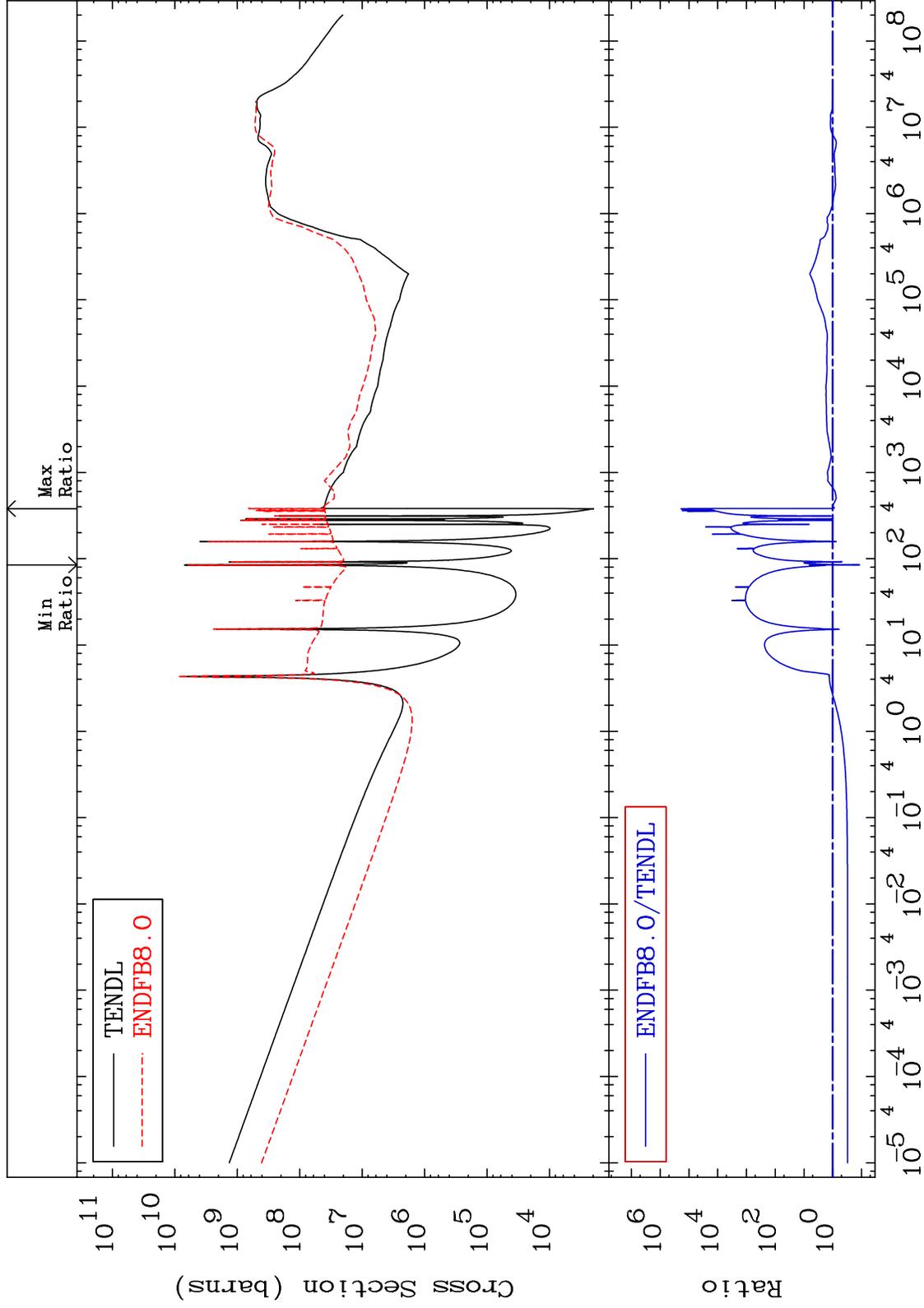


46 96-Cm-246

MAT 9643

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

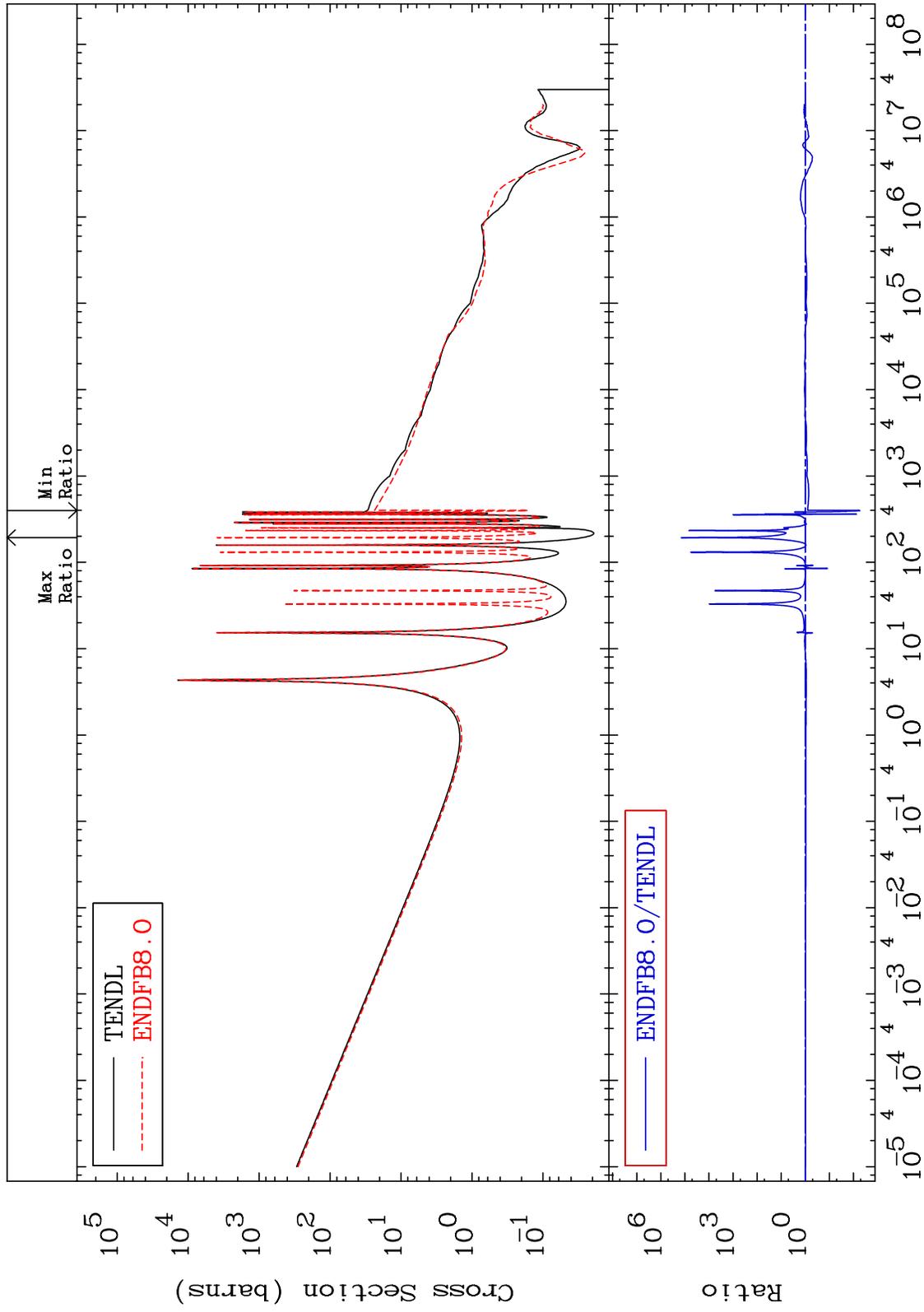
96-Cm-246
-88.54 To 9999. %



MAT 9643

Kerma capture (mt102)
Cross Section

96-Cm-246
-99.46 To 9999. %



48

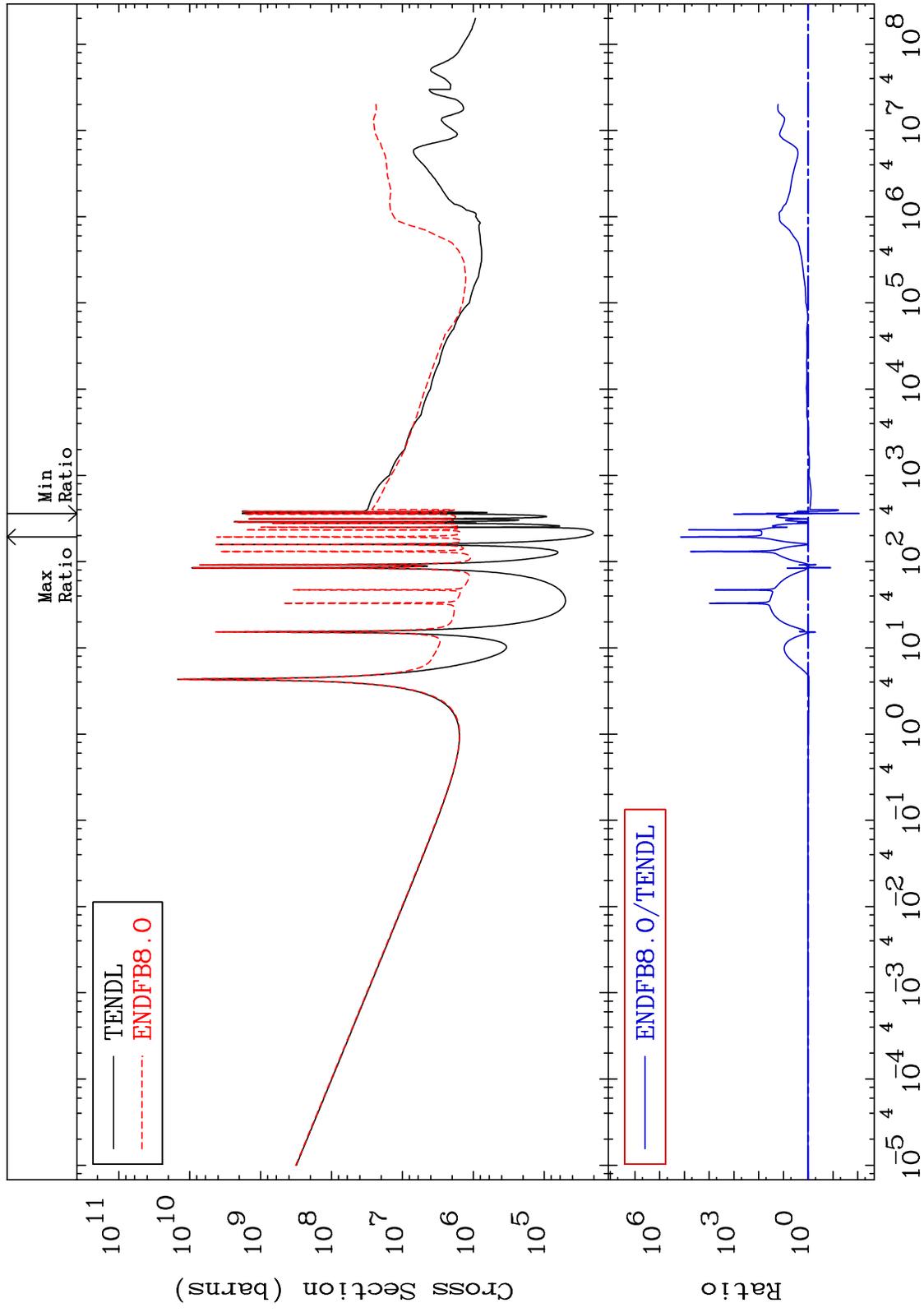
Incident Energy (eV)

96-Cm-246

MAT 9643

Total photon (eV-barns)
Cross Section

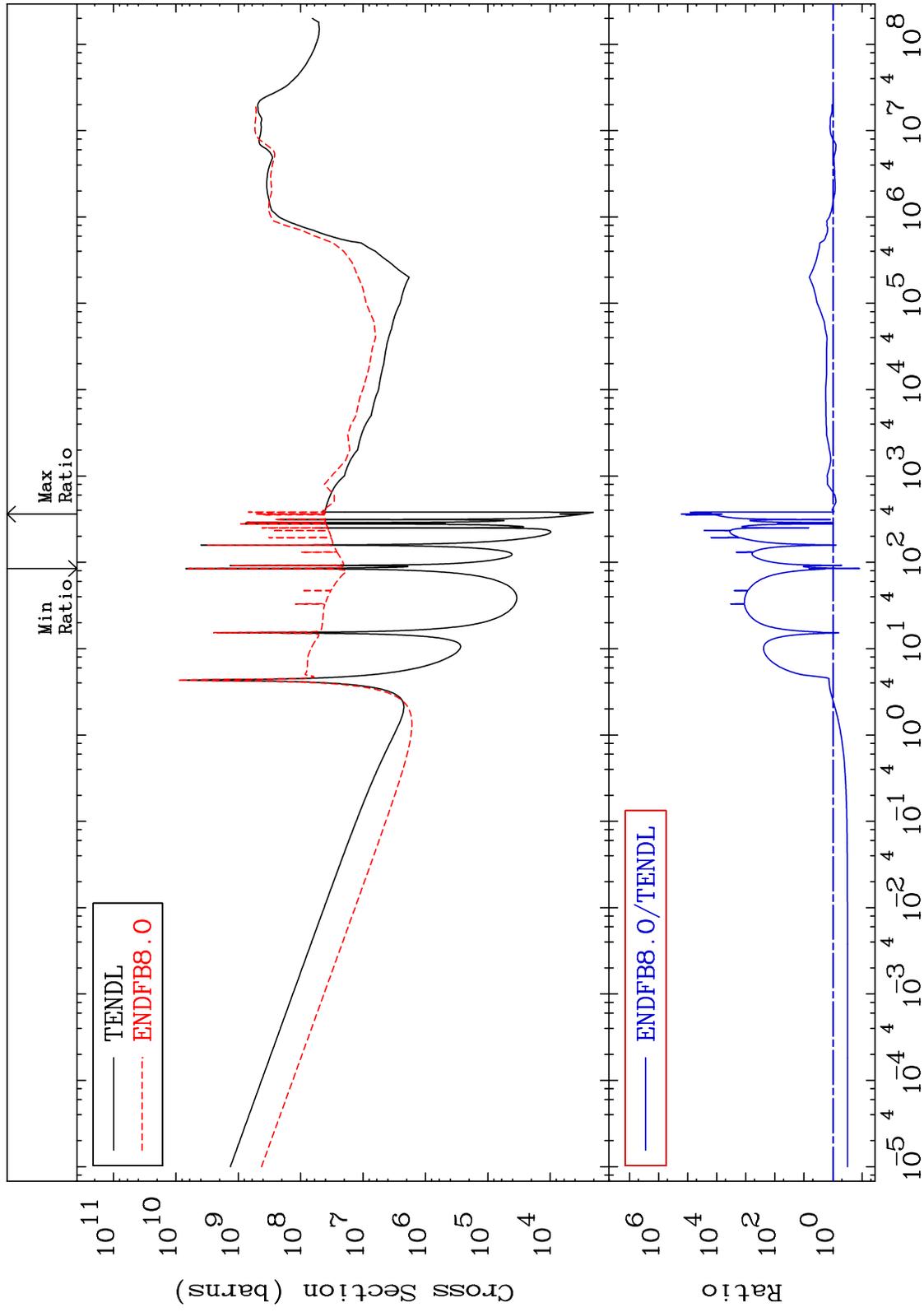
96-Cm-246
-99.12 To 9999. %



MAT 9643

Total kinematic kerma (high limit)
Cross Section

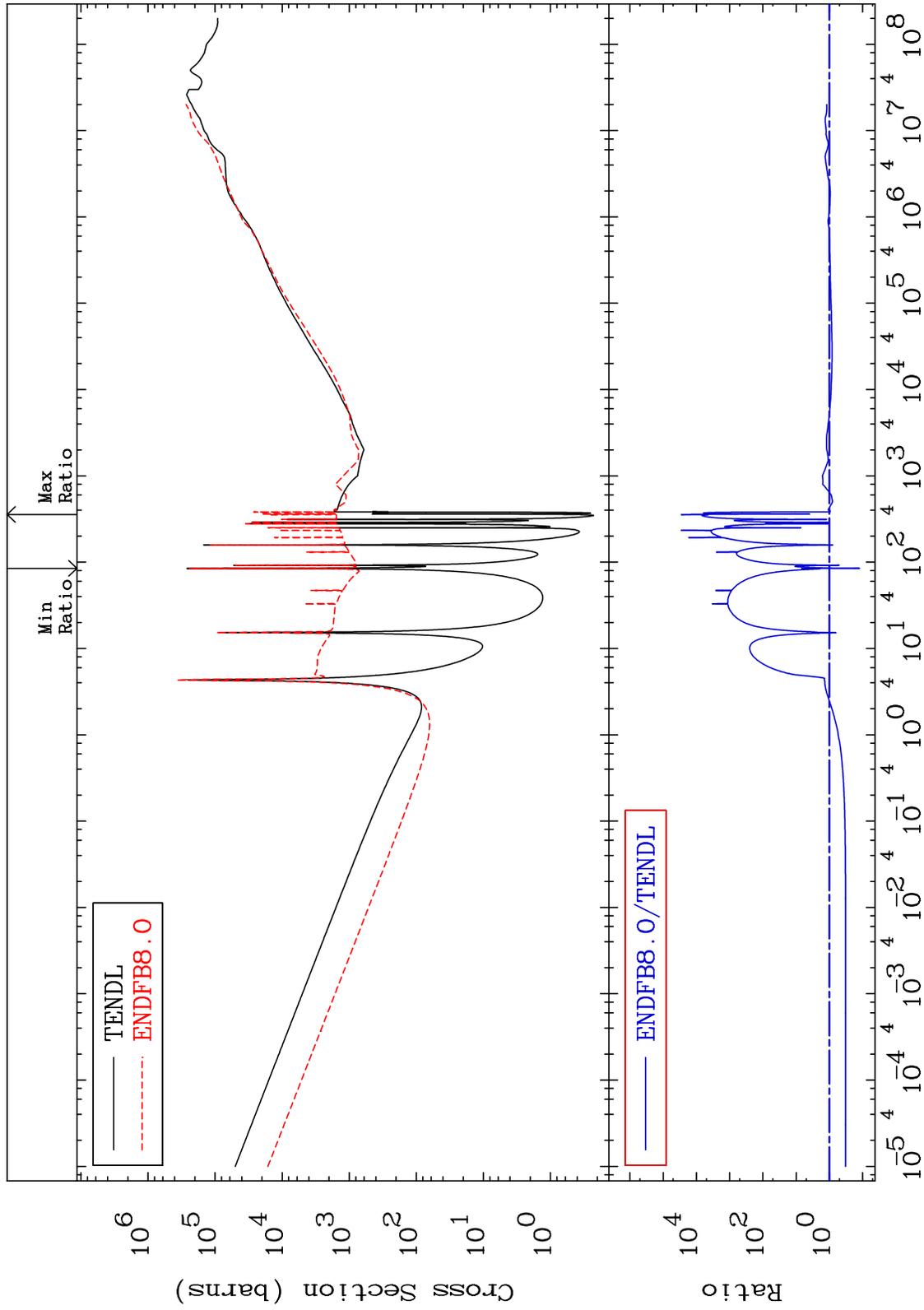
96-Cm-246
-88.04 To 9999. %



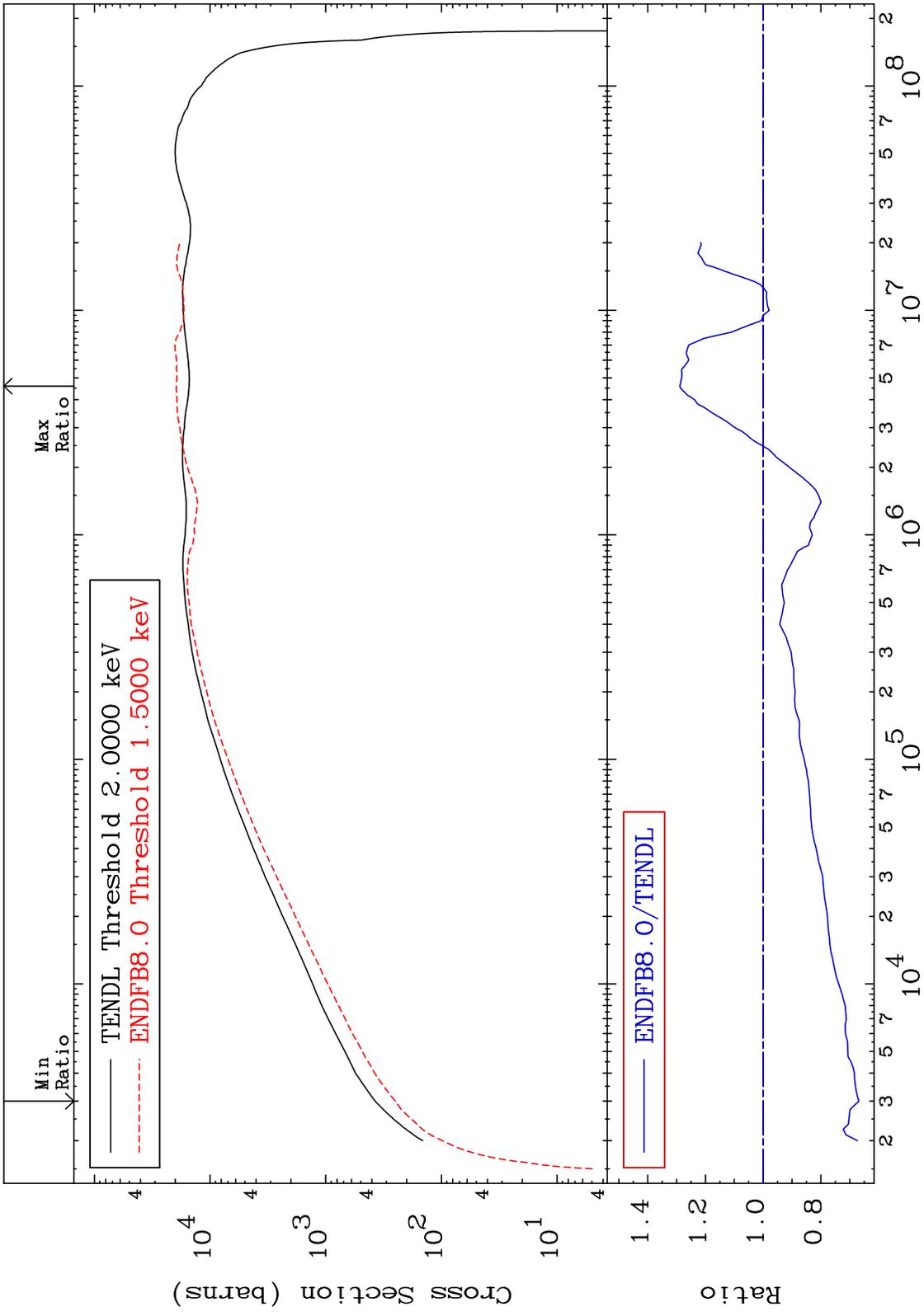
MAT 9643

Dpa total (eV-barns)
Cross Section

96-Cm-246
-87.79 To 9999. %



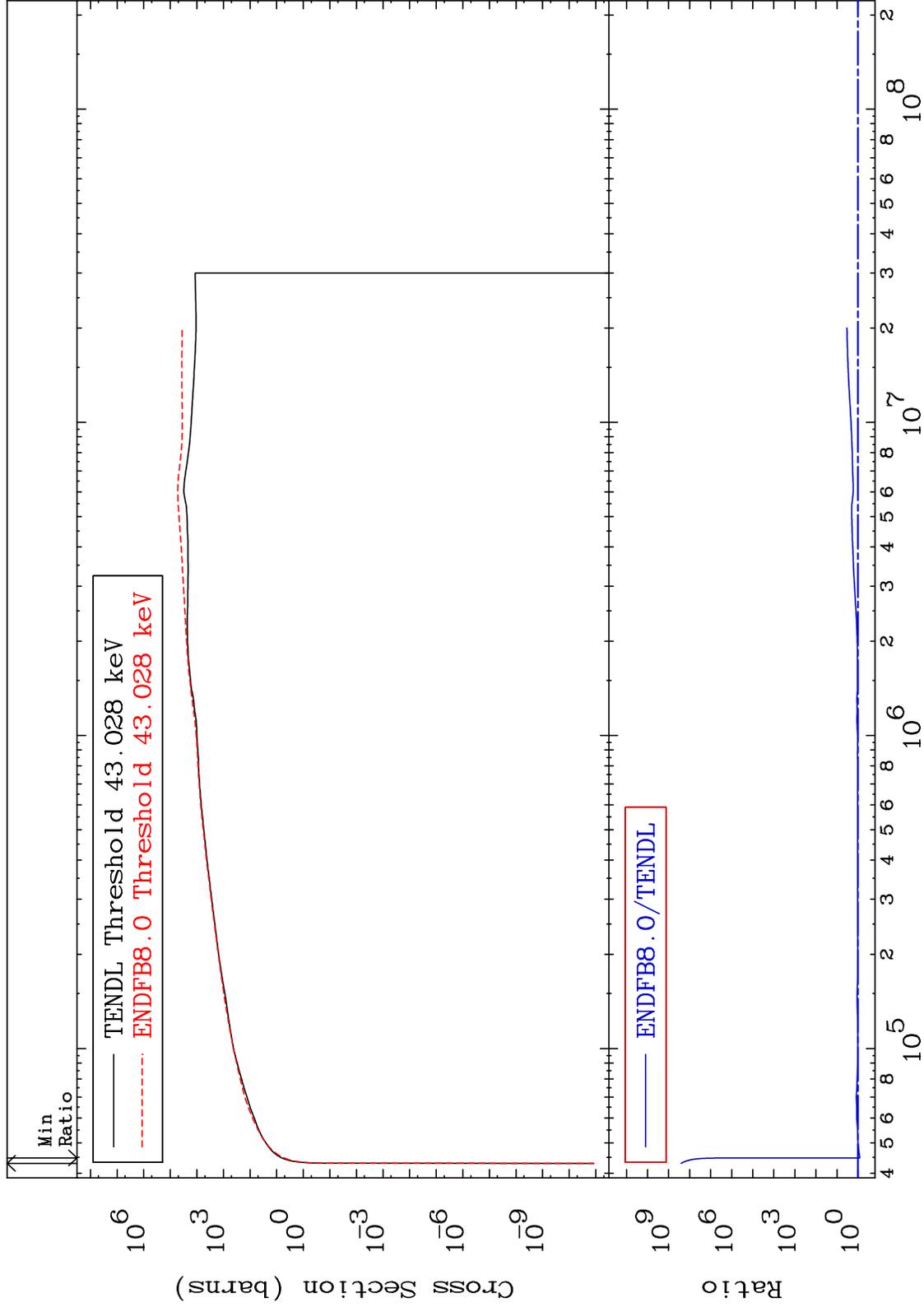
MAT 9643 96-Cm-246
 Dpa elastic (mt2) -33.11 To 28.89 %
 Cross Section



MAT 9643

Dpa inelastic (mt51-91)
Cross Section

96-Cm-246
-17.86 To 9999. %



MAT 9643

Dpa disappearance (mt102 -120)
Cross Section

96-Cm-246
-99.99 To 9999. %

