

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

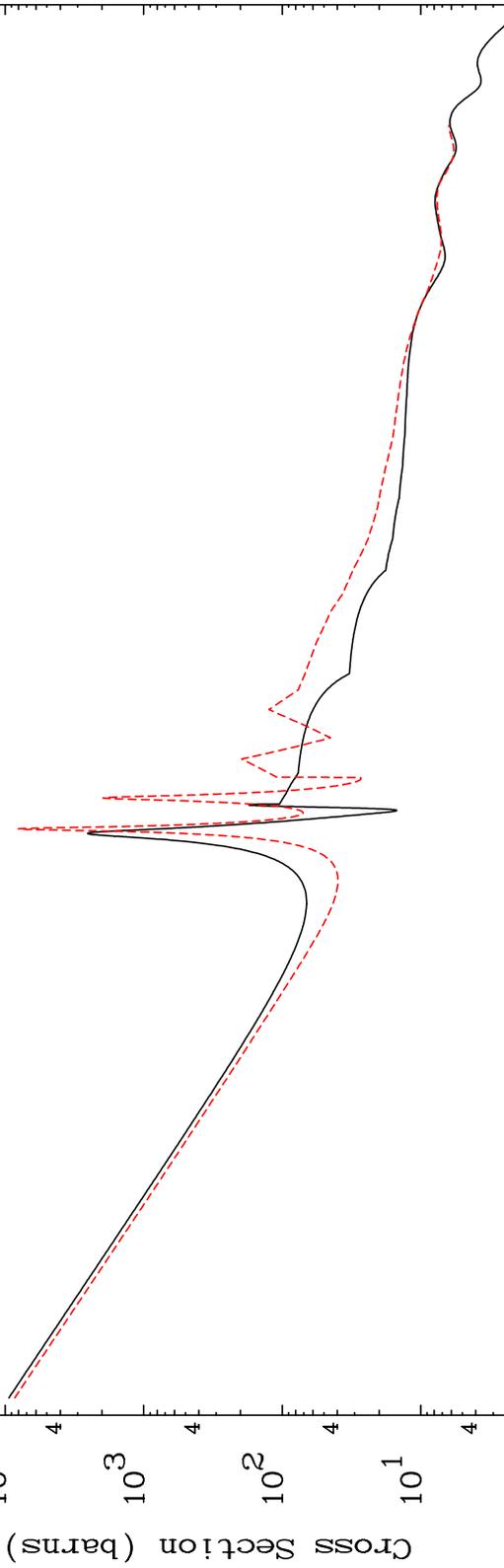
MAT 9428 94-Pu-236 -85.28 To 1896. %

Total Cross Section

Min Ratio Max Ratio

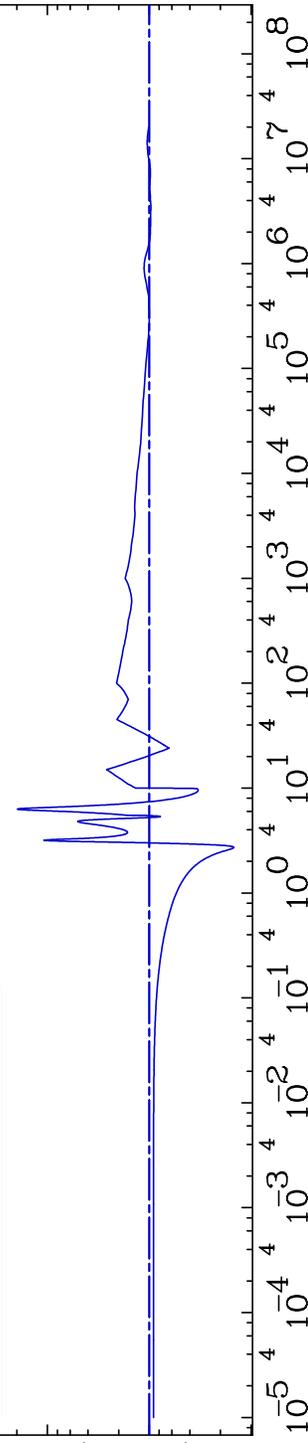
TENDL
ENDFB8.0

10⁴
10³
10²
10¹



ENDFB8.0/TENDL

10¹
10⁰
10⁻¹



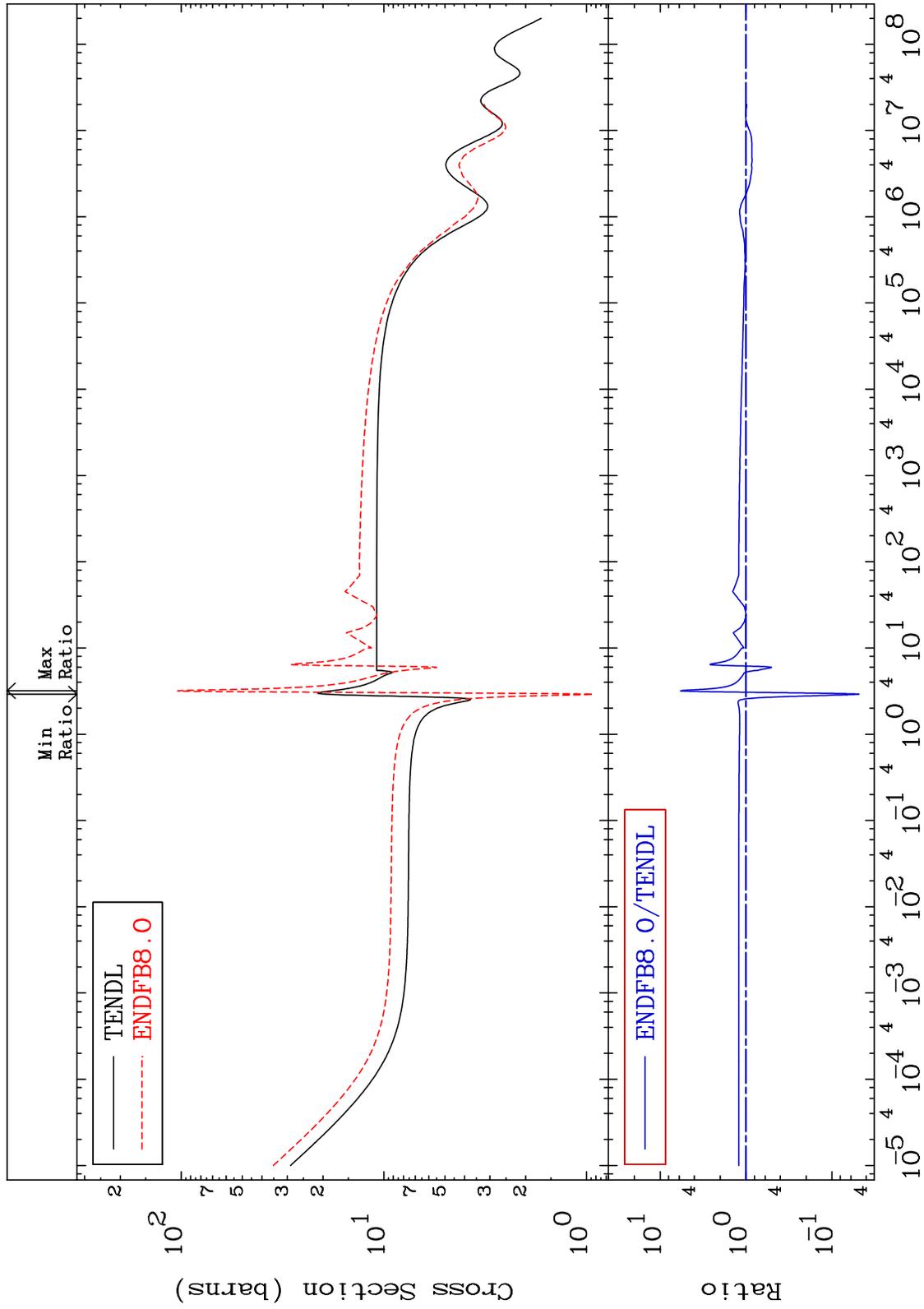
Incident Energy (eV) 94-Pu-236

MAT 9428

Elastic
Cross Section

94-Pu-236

-95.16 To 478.5 %



2

Incident Energy (eV)

94-Pu-236

MAT 9428

Inelastic
Cross Section

94-Pu-236
243.4 To 2633. %

Min
Ratio

Max
Ratio

— TENDL Threshold 44.821 keV
- - - ENDFB8.0 Threshold 44.821 keV

— ENDFB8.0/TENDL

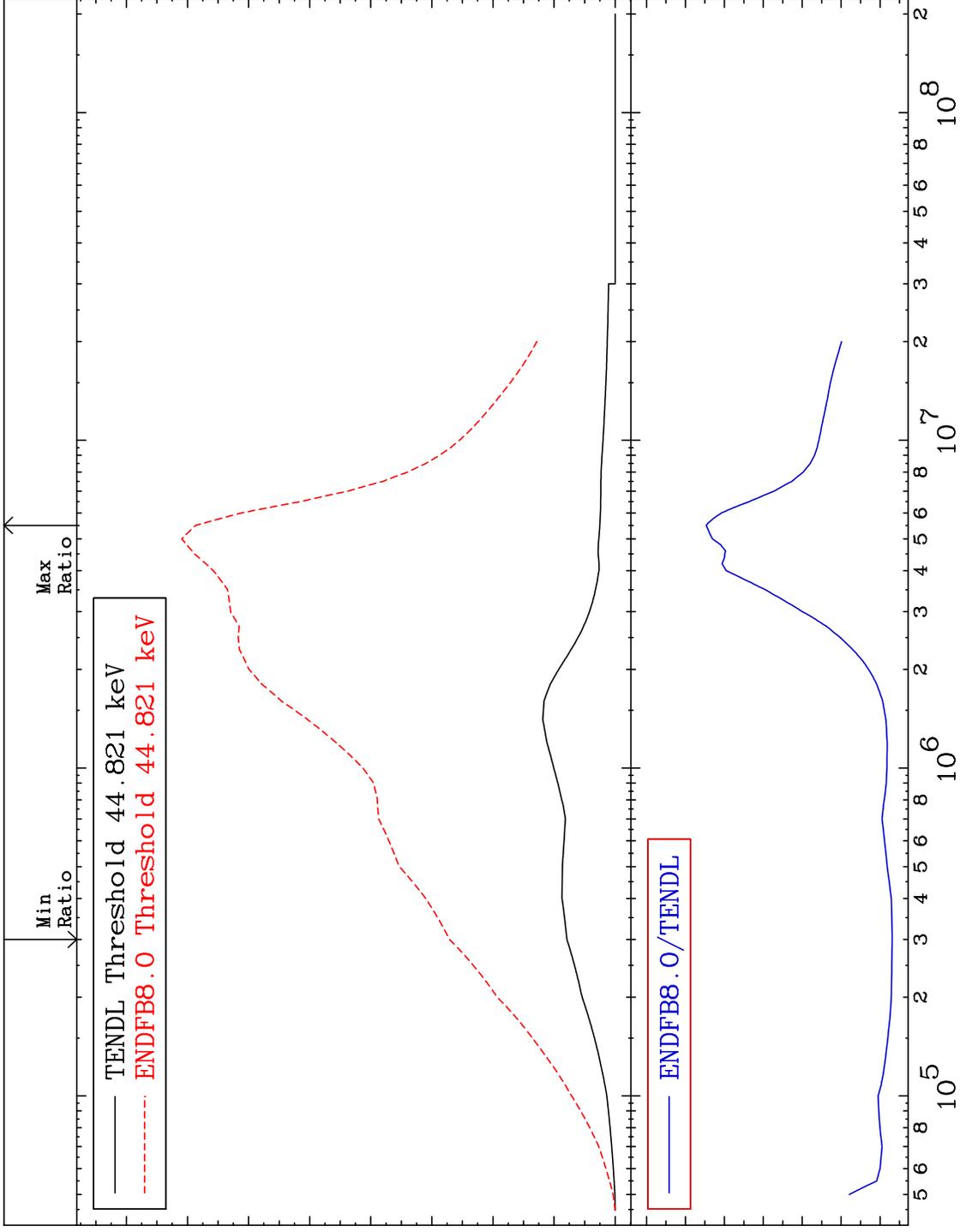
Cross Section (barns)

Ratio

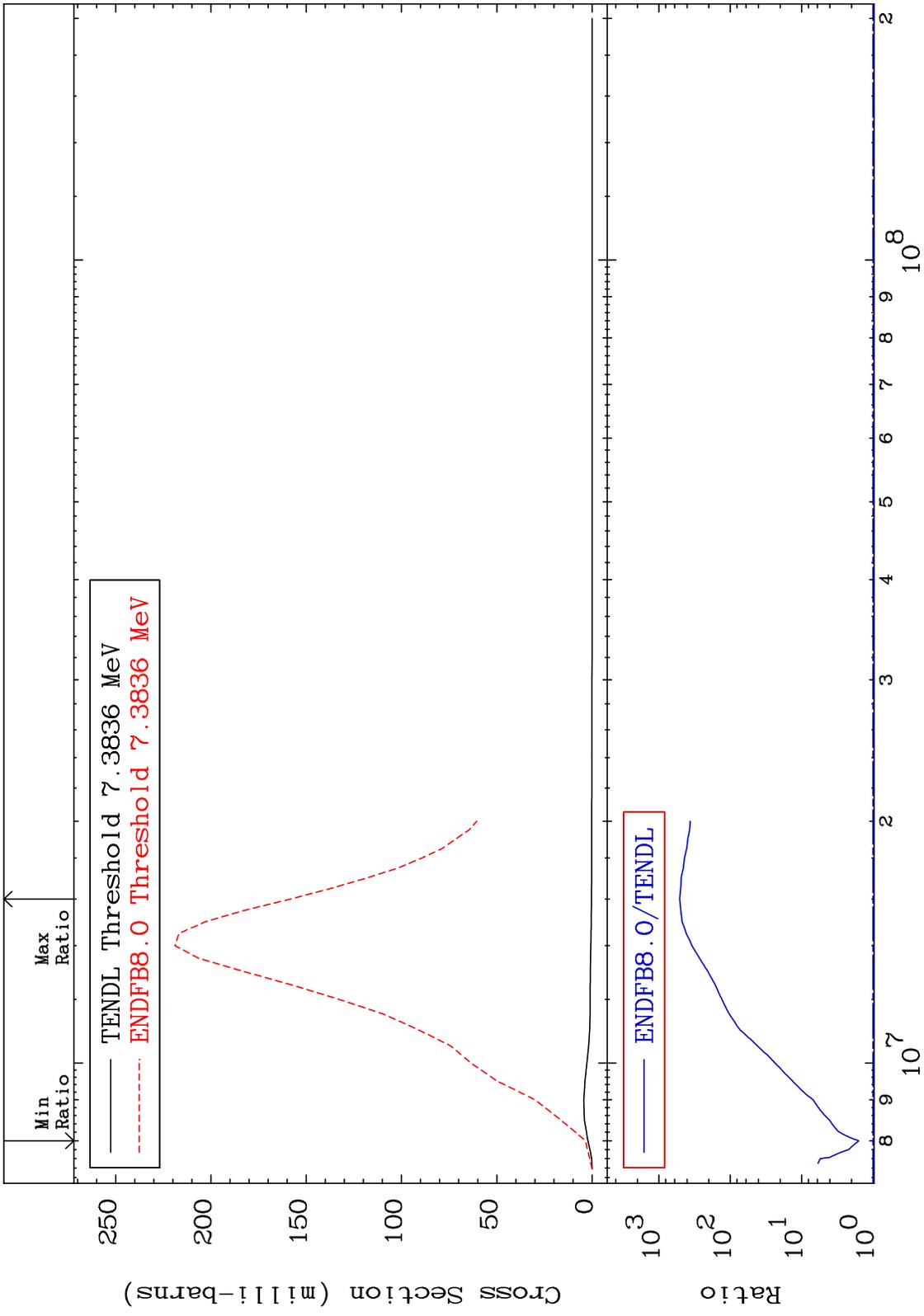
3

Incident Energy (eV)

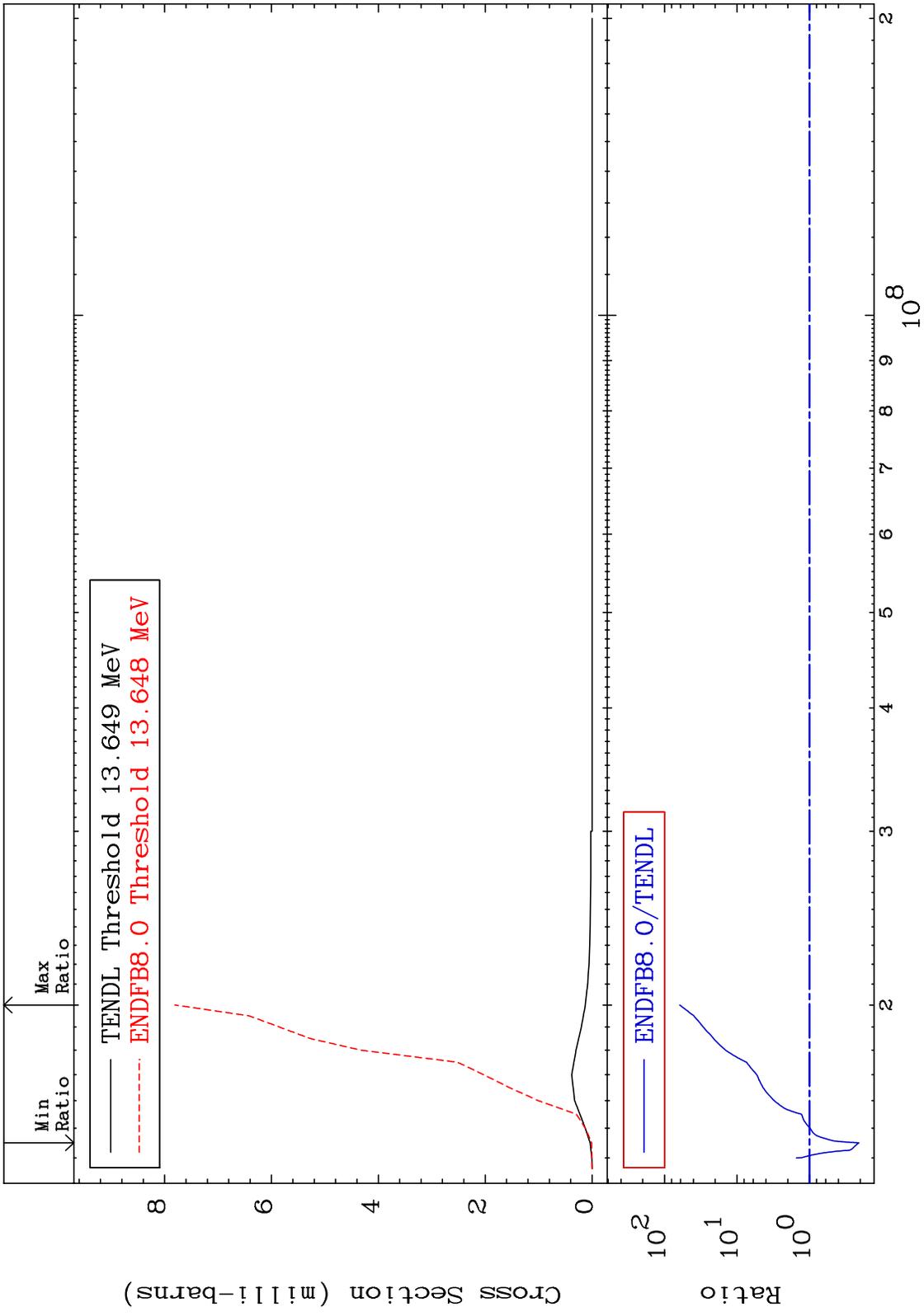
94-Pu-236



MAT 9428 (n,2n) Cross Section 94-Pu-236 57.77 To 9999. %



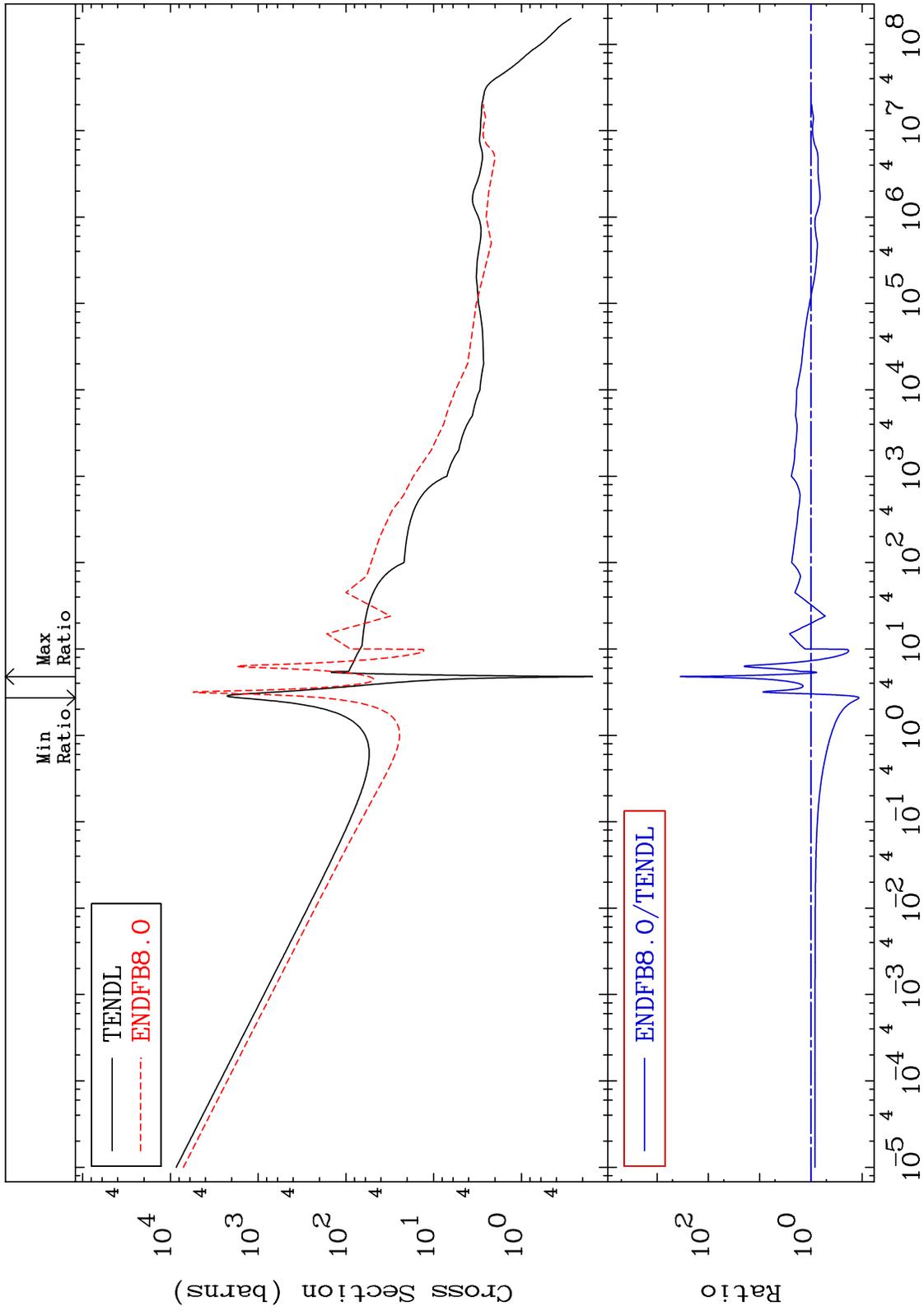
MAT 9428 (n,3n) Cross Section 94-Pu-236
 -79.08 To 6072. %



5 Incident Energy (eV) 94-Pu-236

MAT 9428 94-Pu-236 -88.49 To 9999. %

Fission Cross Section



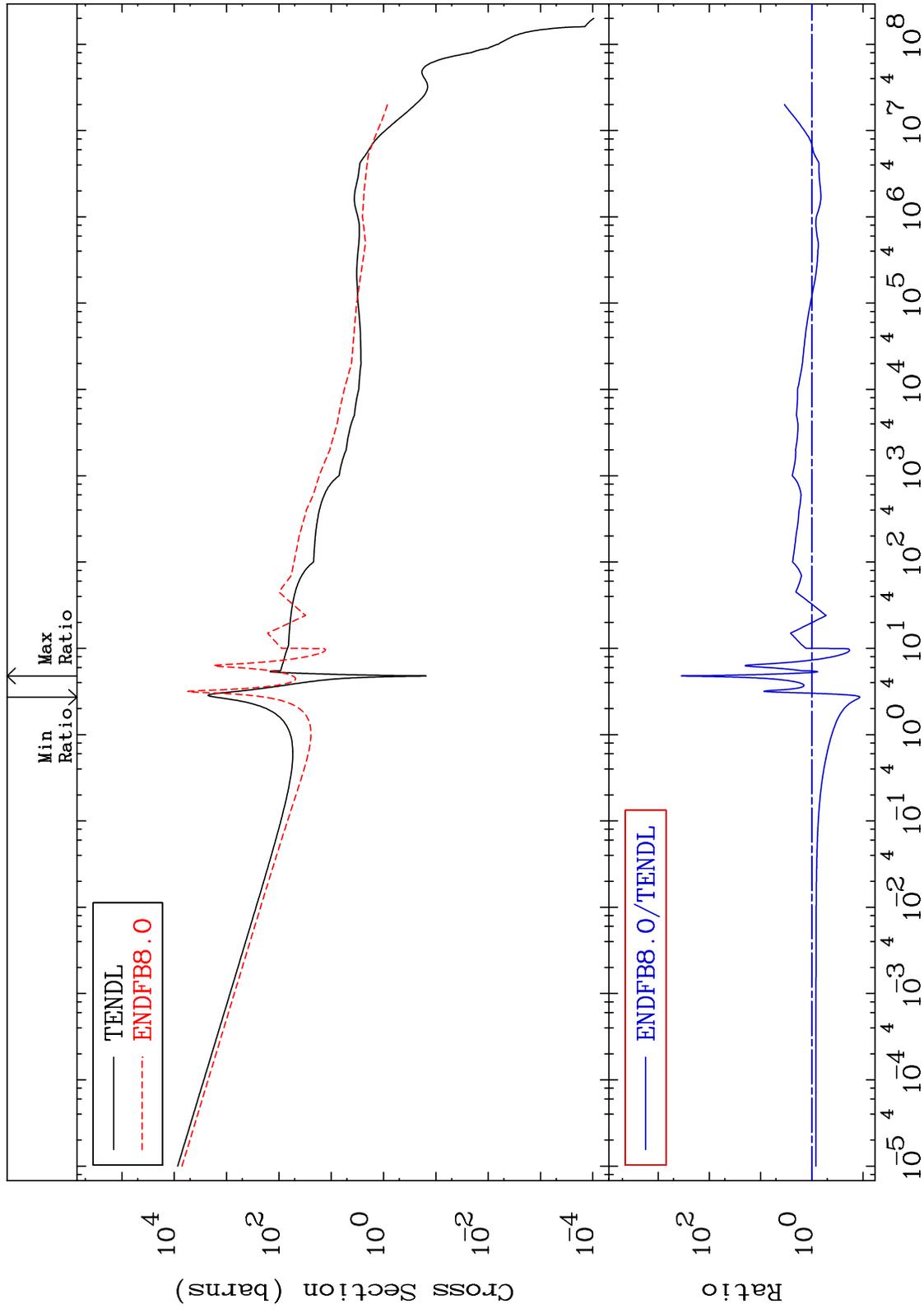
94-Pu-236

94-Pu-236

MAT 9428

(n,f) First Chance
Cross Section

94-Pu-236
-88.49 To 9999. %



7

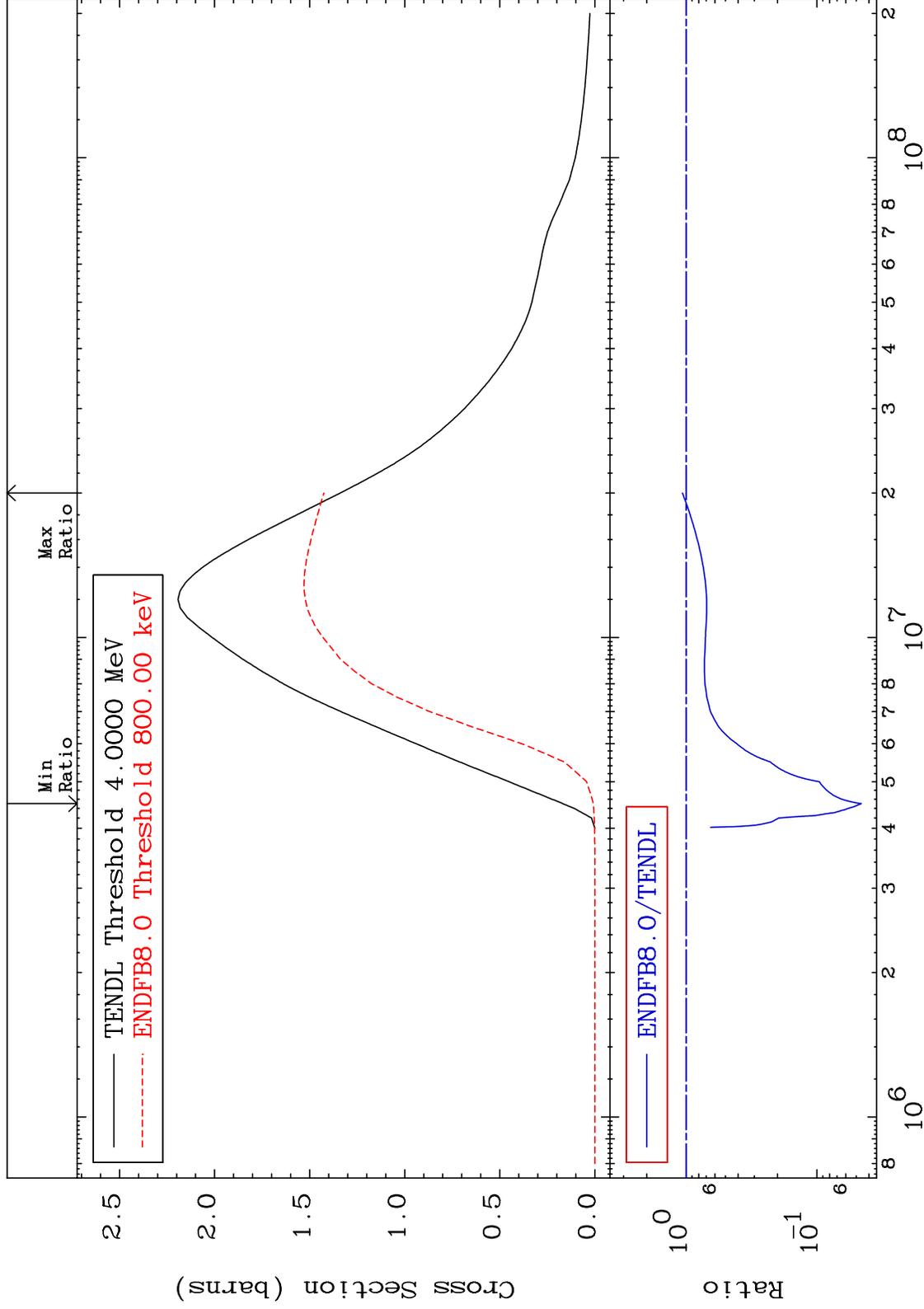
Incident Energy (eV)

94-Pu-236

MAT 9428

(n, nf) Second Chance
Cross Section

94-Pu-236
-95.44 To 6.501 %



8

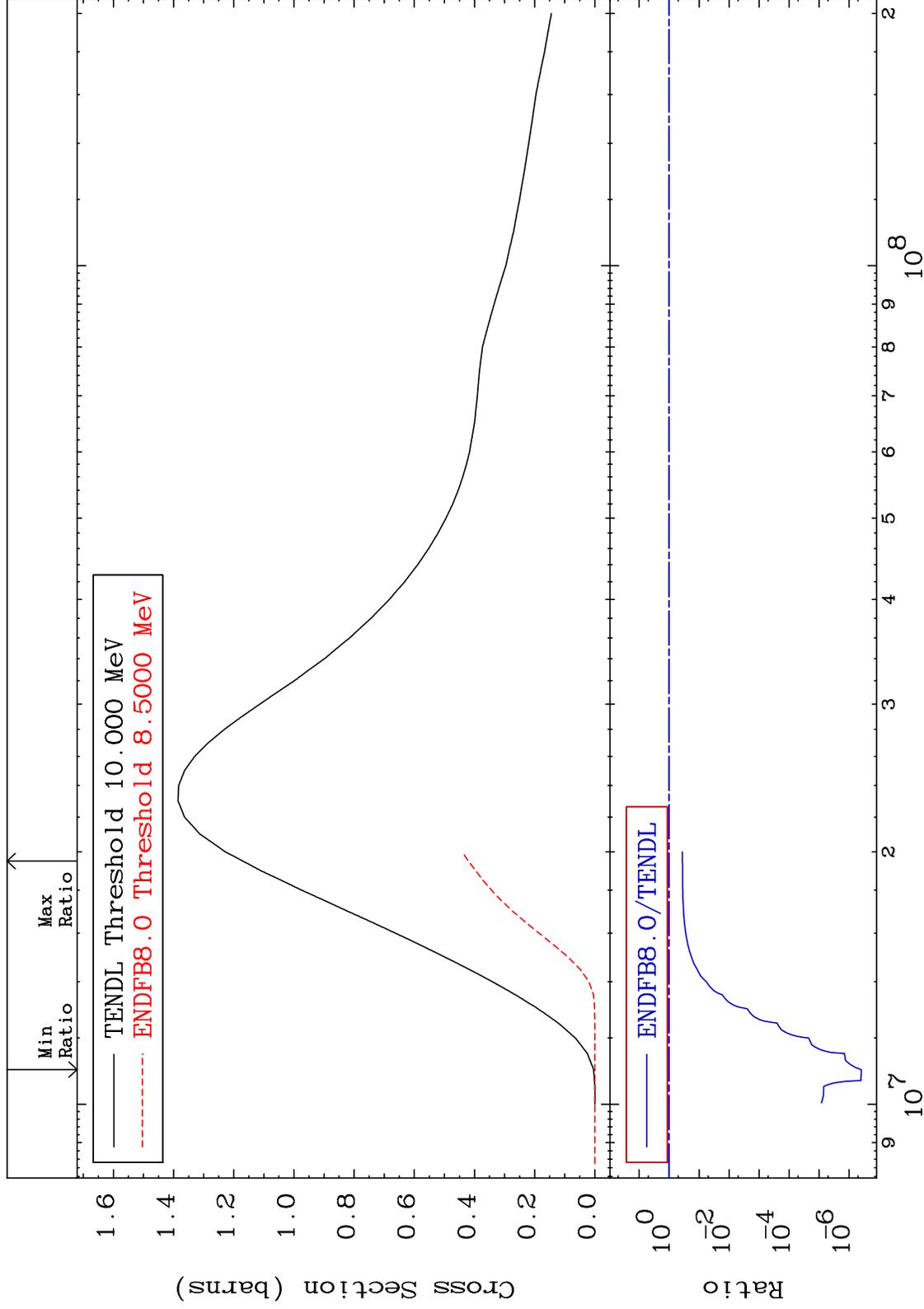
Incident Energy (eV)

94-Pu-236

MAT 9428

(n,2nf) Third Chance
Cross Section

94-Pu-236
-100.0 To -64.04%



9

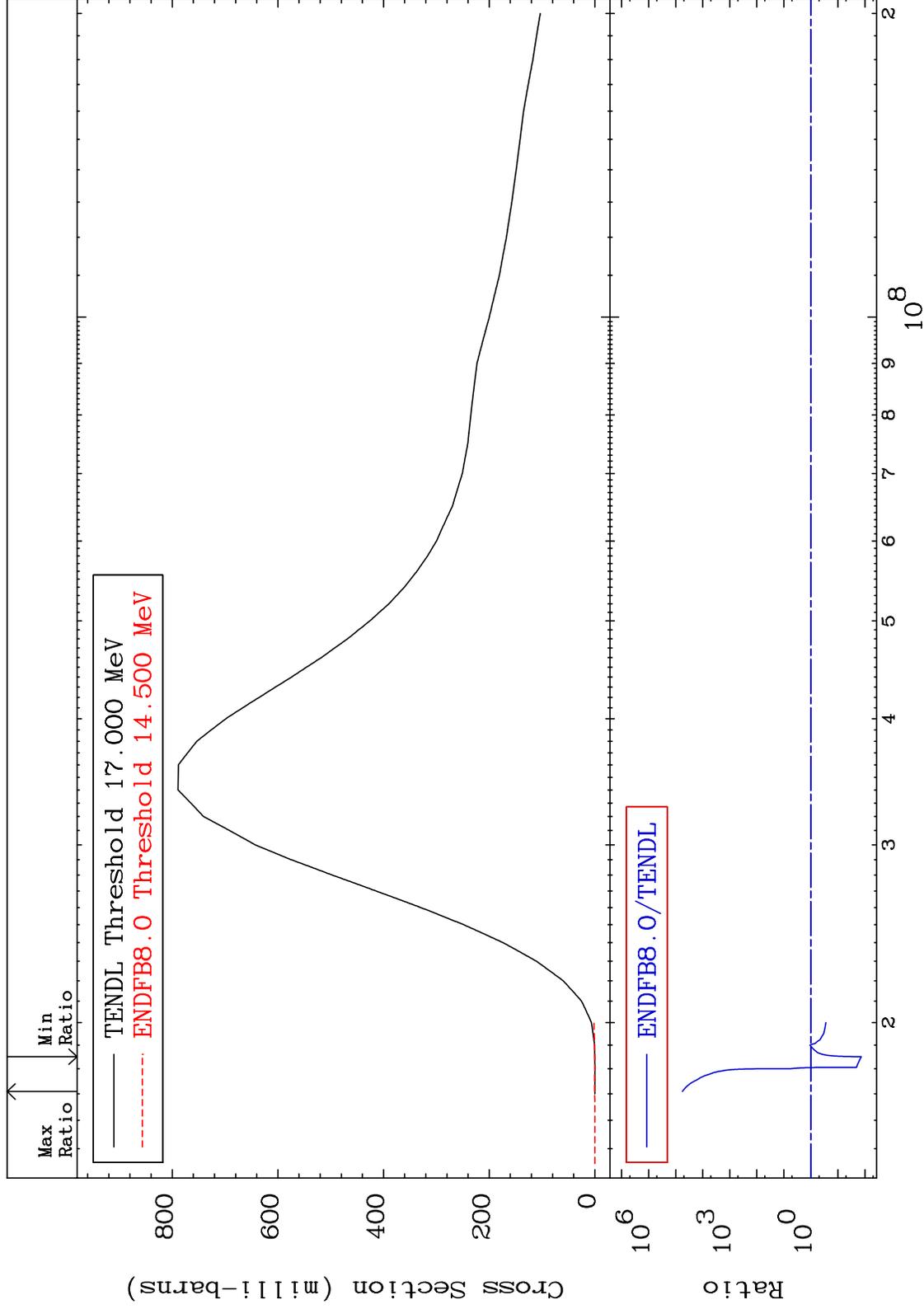
Incident Energy (eV)

94-Pu-236

MAT 9428

(n,3nf) Fourth Chance
Cross Section

94-Pu-236
-98.64 To 9999. %

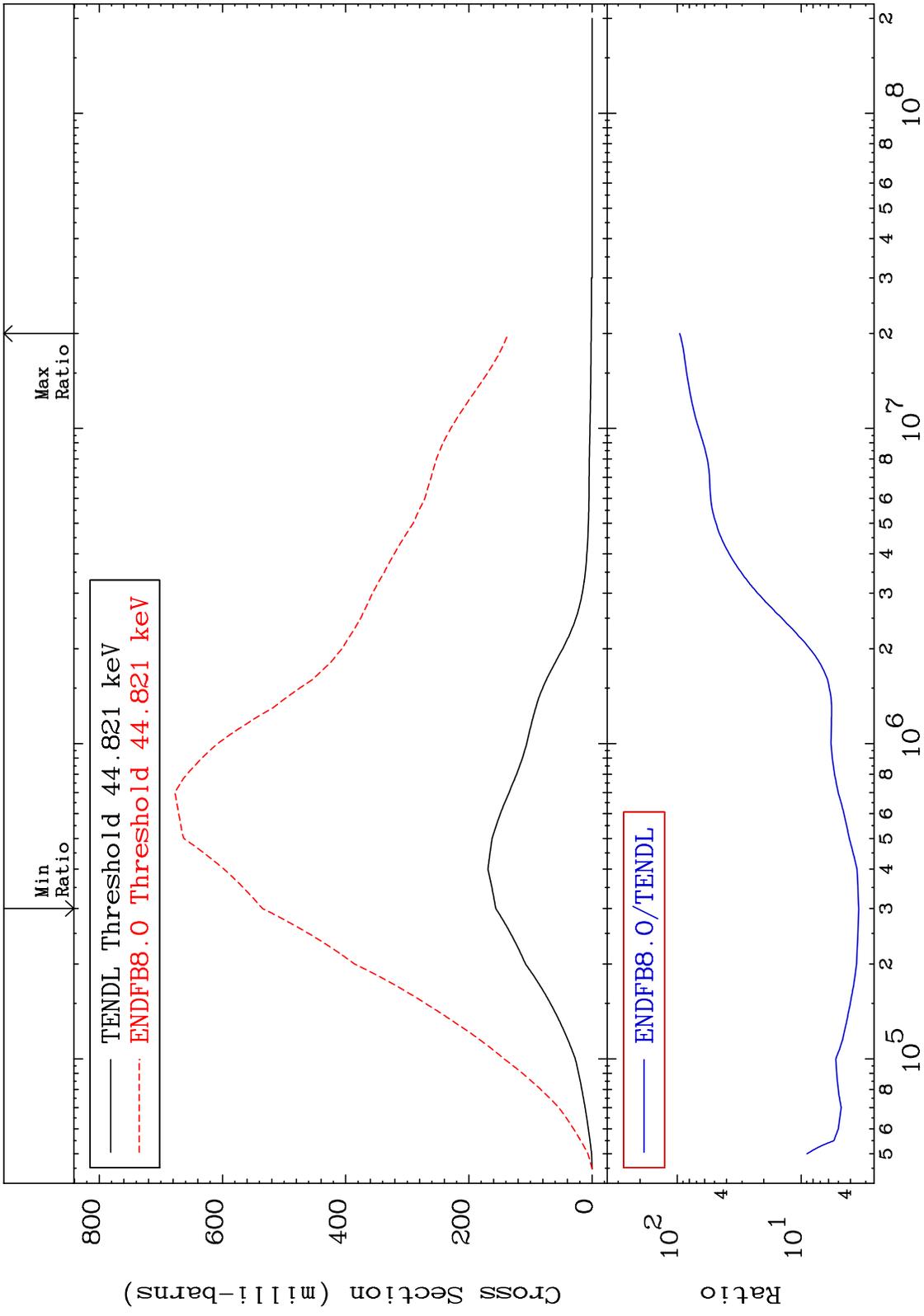


10

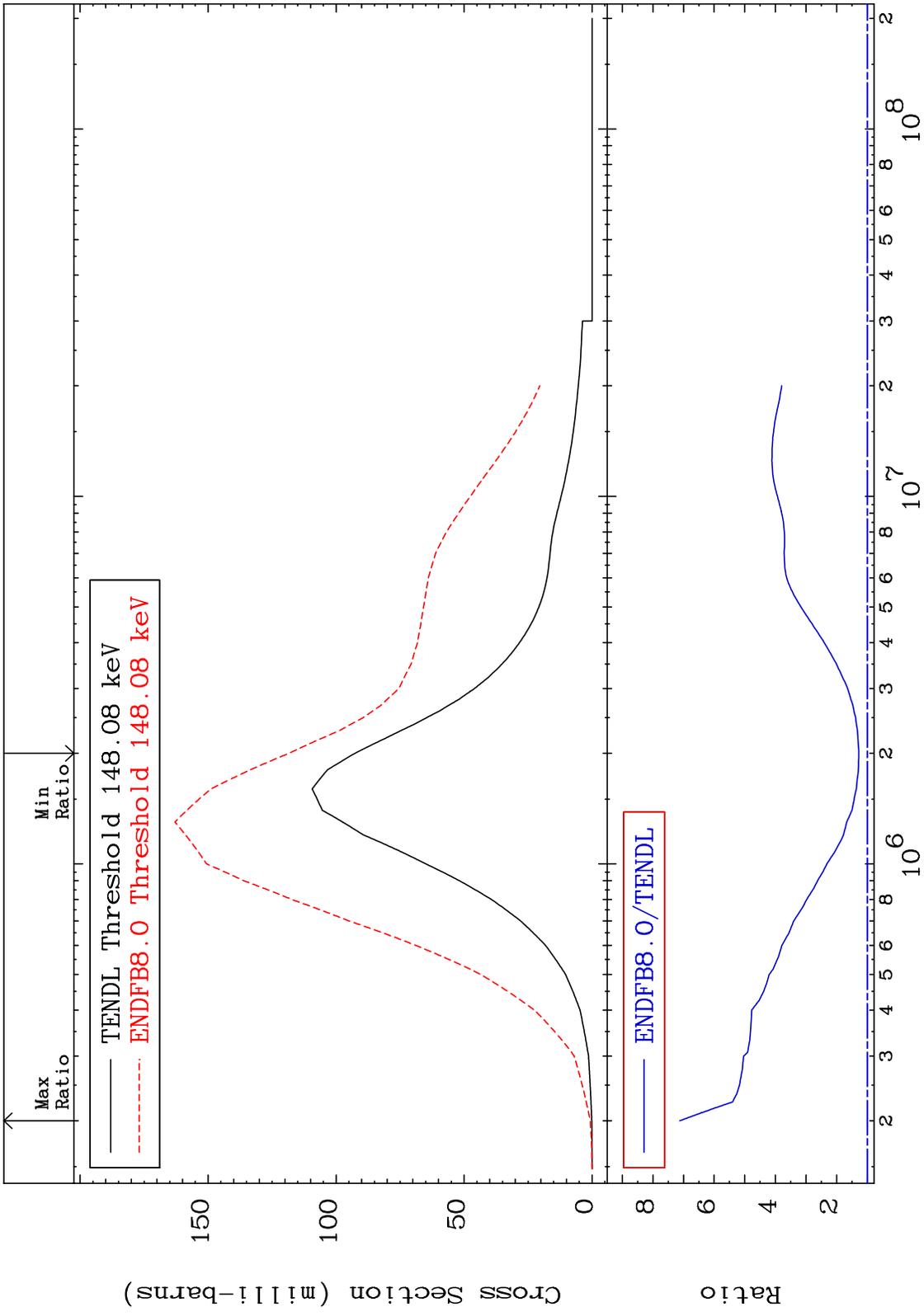
Incident Energy (eV)

94-Pu-236

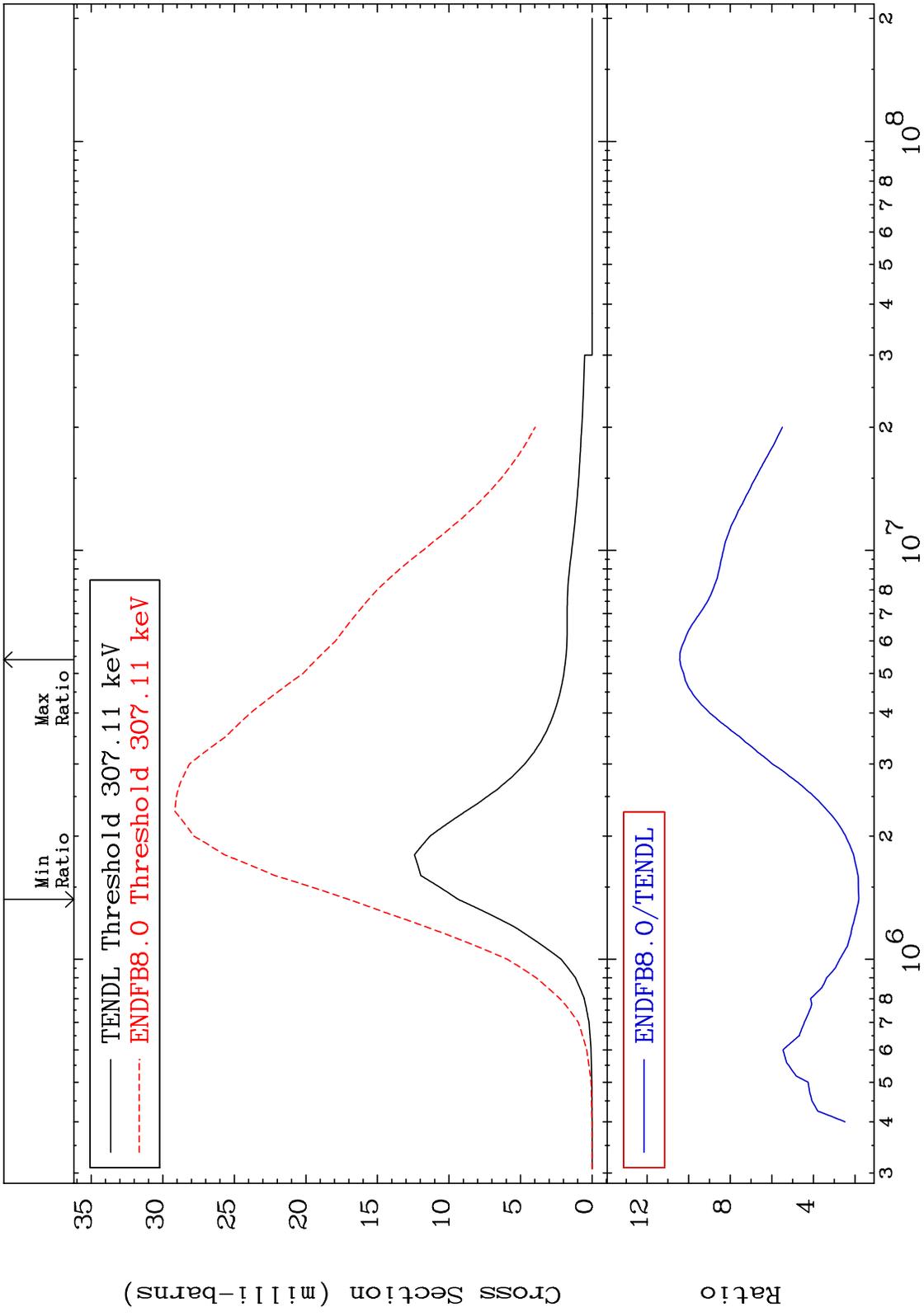
MAT 9428 MT= 51 (n,n') Level Cross Section 94-Pu-236 242.0 To 9446. %



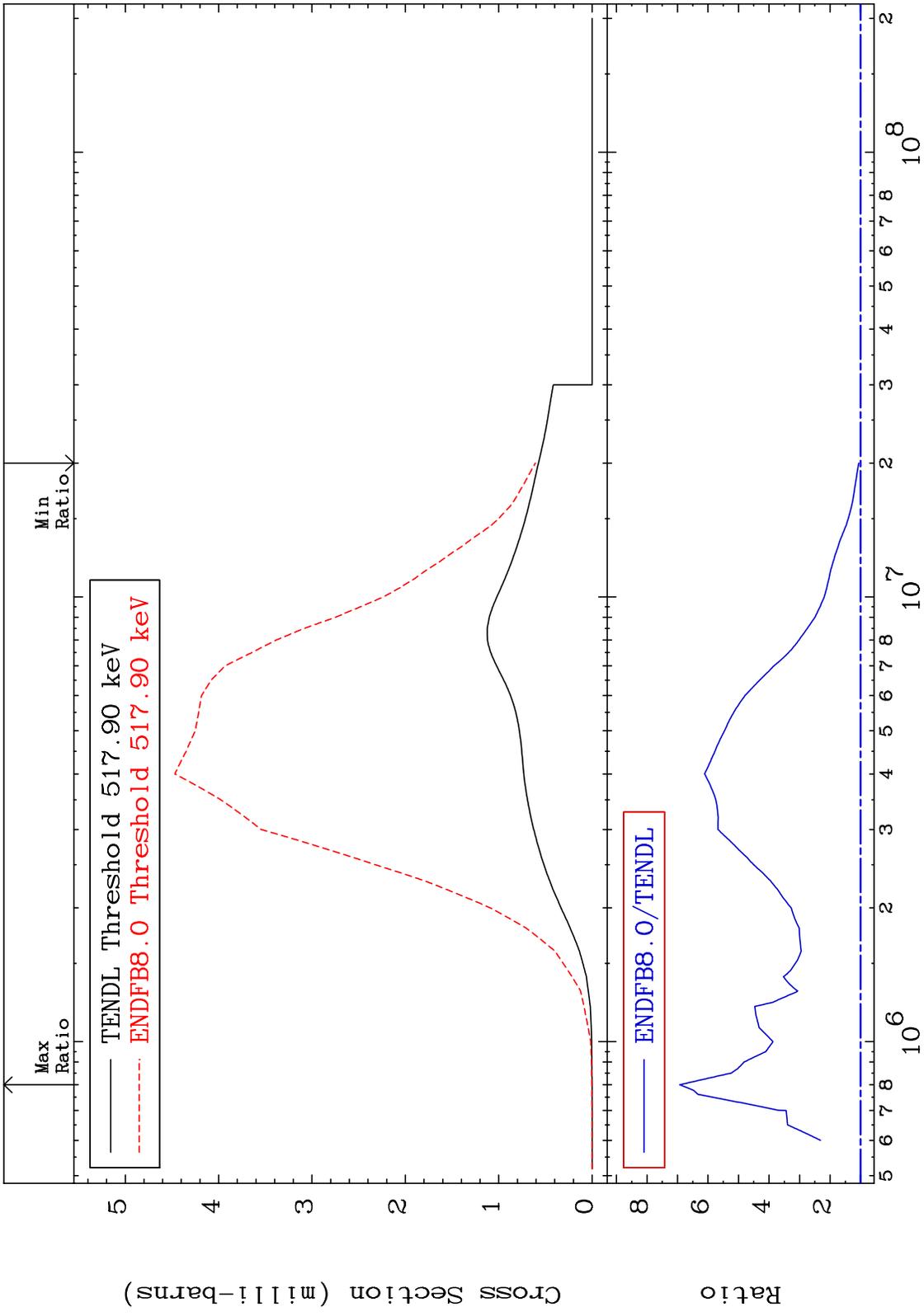
MAT 9428 MT= 52 (n,n') Level Cross Section 94-Pu-236 27.82 To 612.3 %



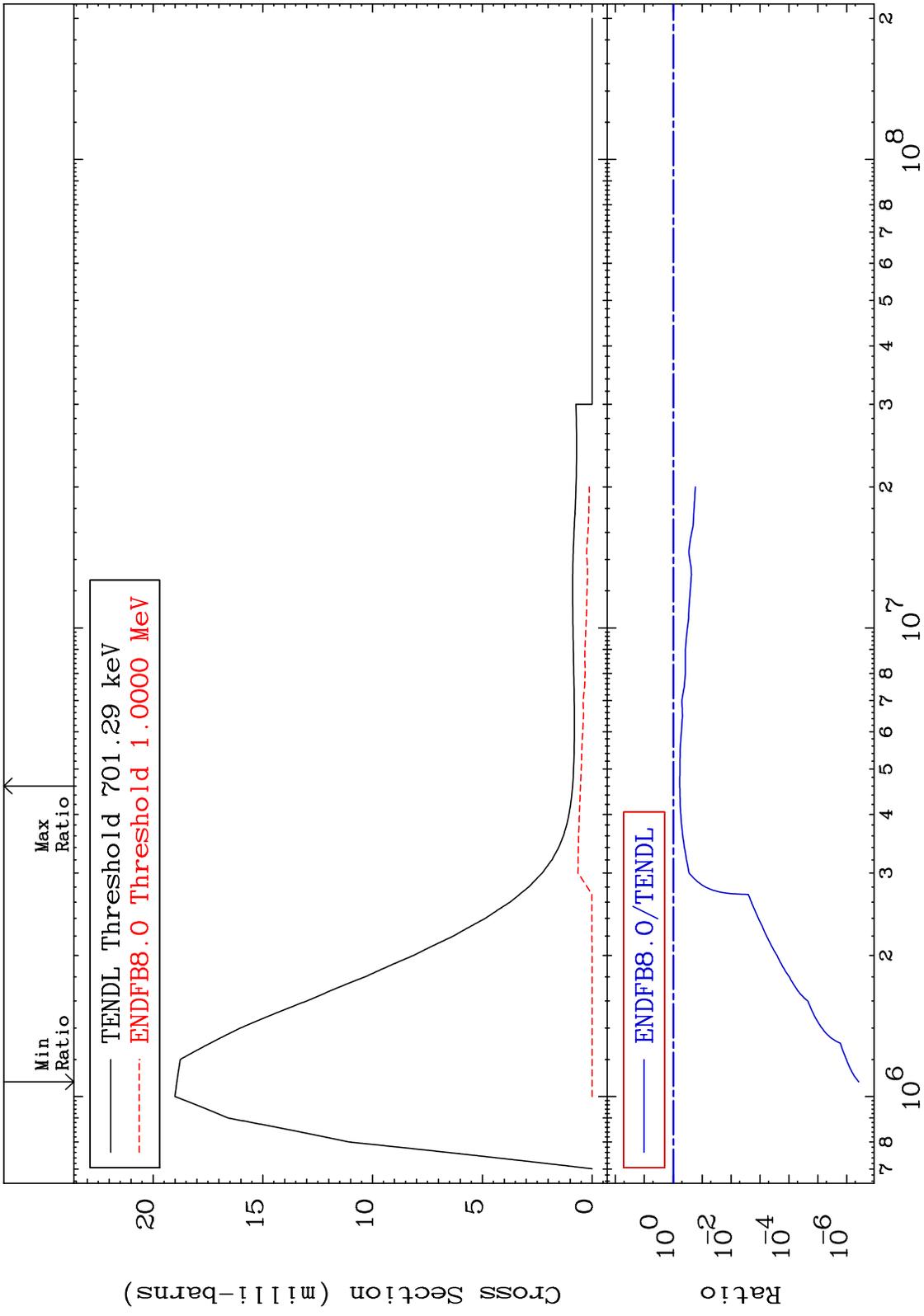
MAT 9428 MT= 53 (n,n') Level Cross Section 81.93 To 942.9 % 94-Pu-236



MAT 9428 MT= 54 (n,n') Level Cross Section 94-Pu-236 To 592.6 %



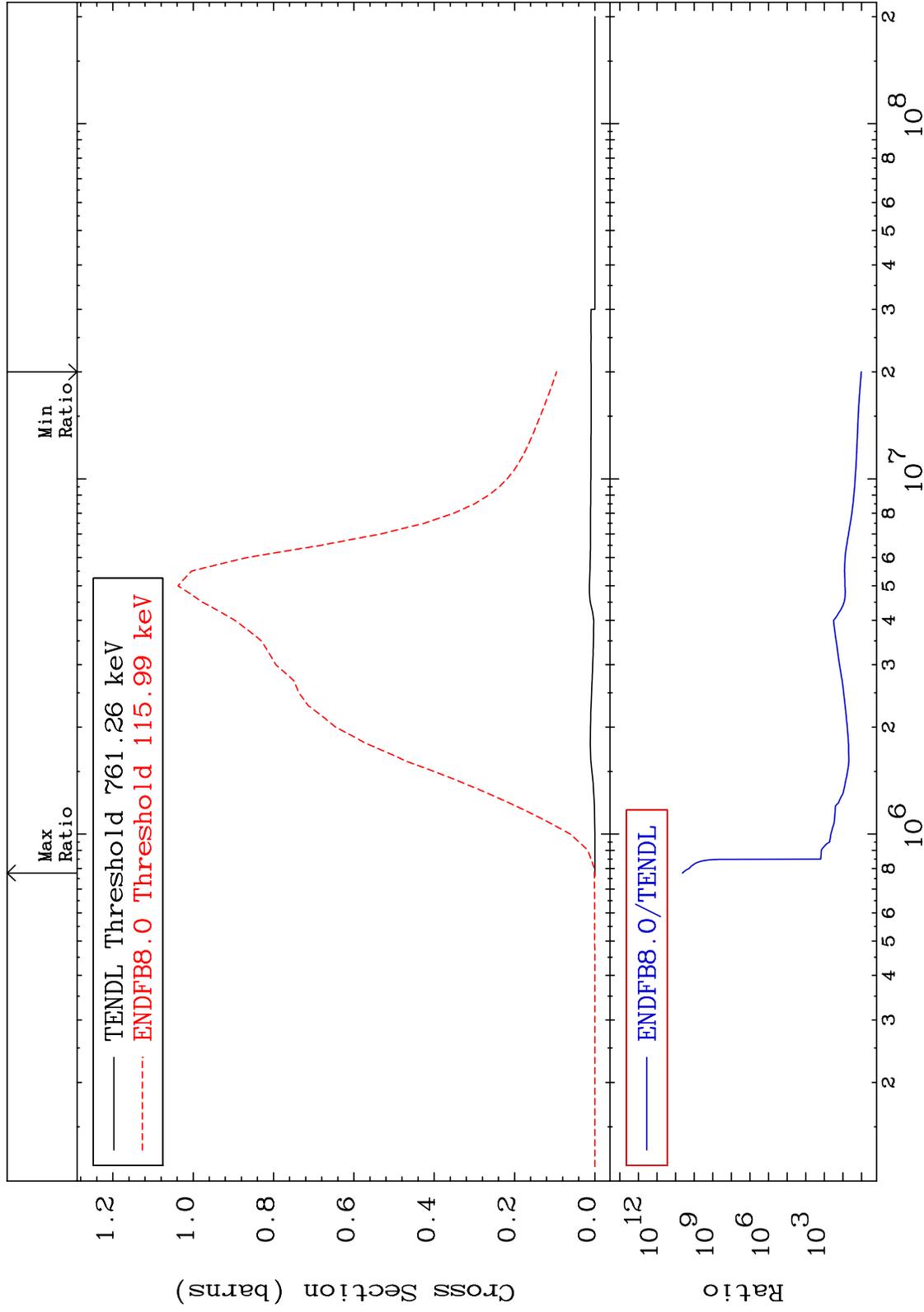
MAT 9428 MT= 55 (n,n') Level Cross Section 94-Pu-236
 -100.0 To -40.53%



MAT 9428

(n, n') Continuum
Cross Section

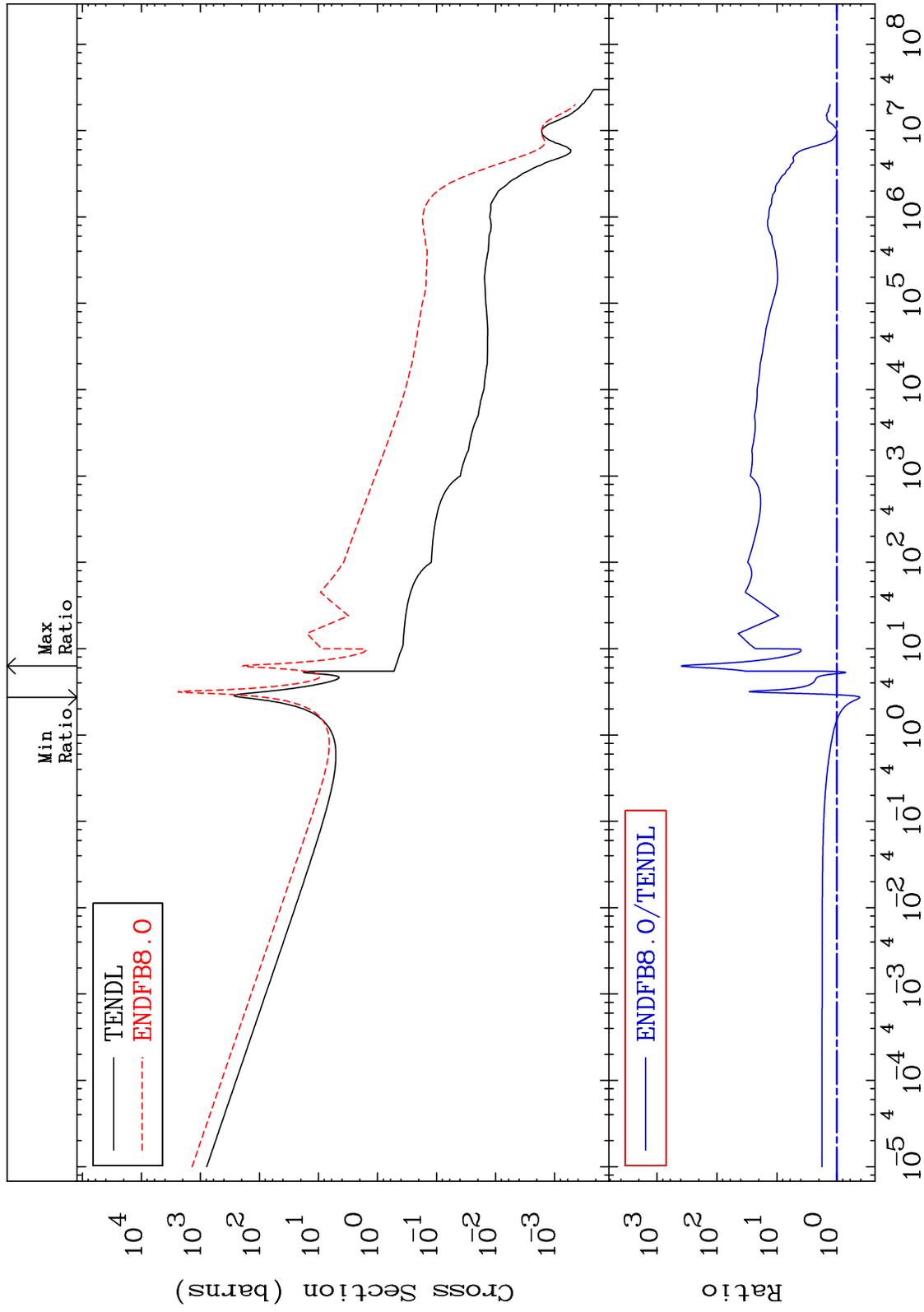
94-Pu-236
917.2 To 9999. %



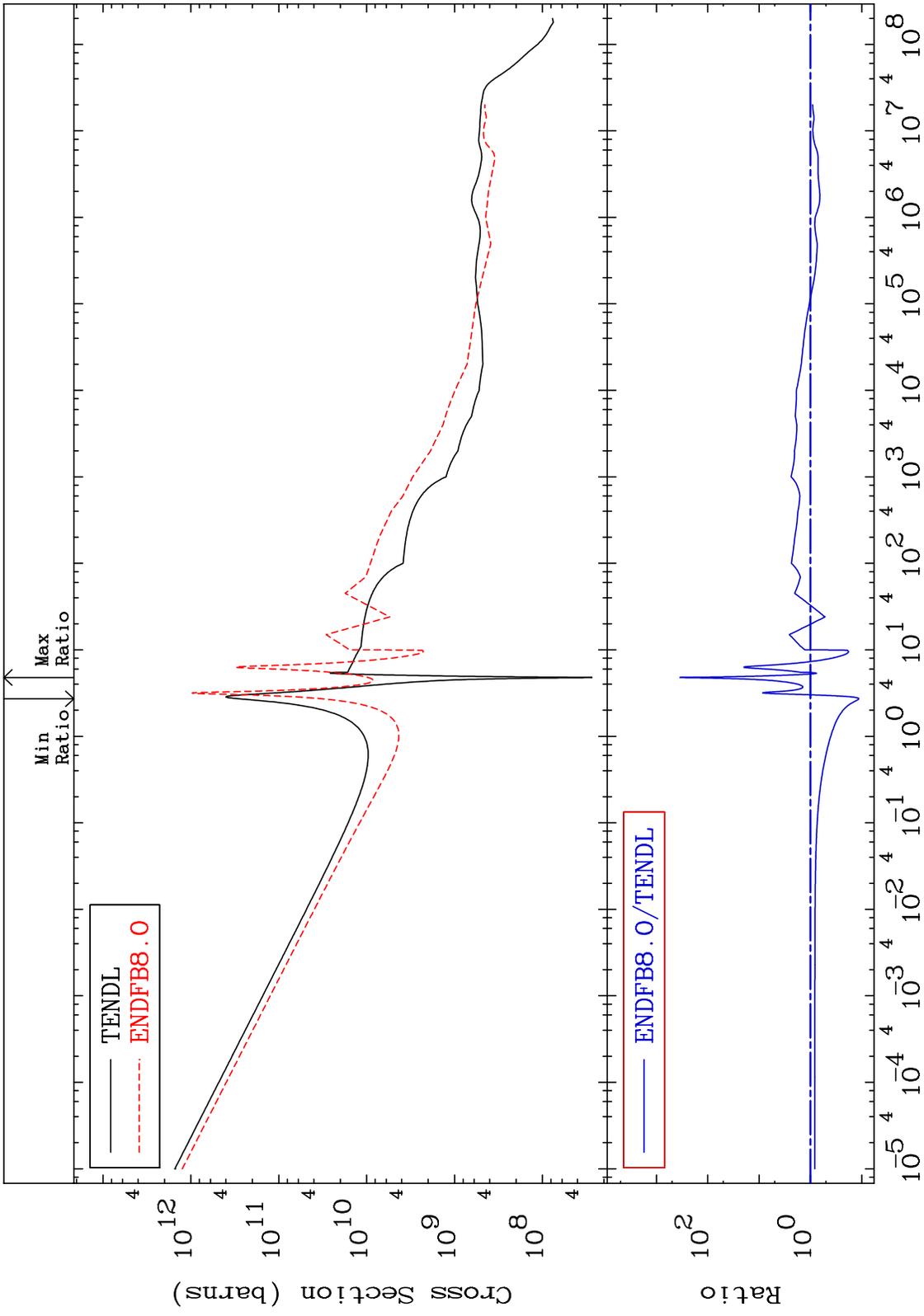
MAT 9428

(n, γ)
Cross Section

94-Pu-236
-58.48 To 9999. %



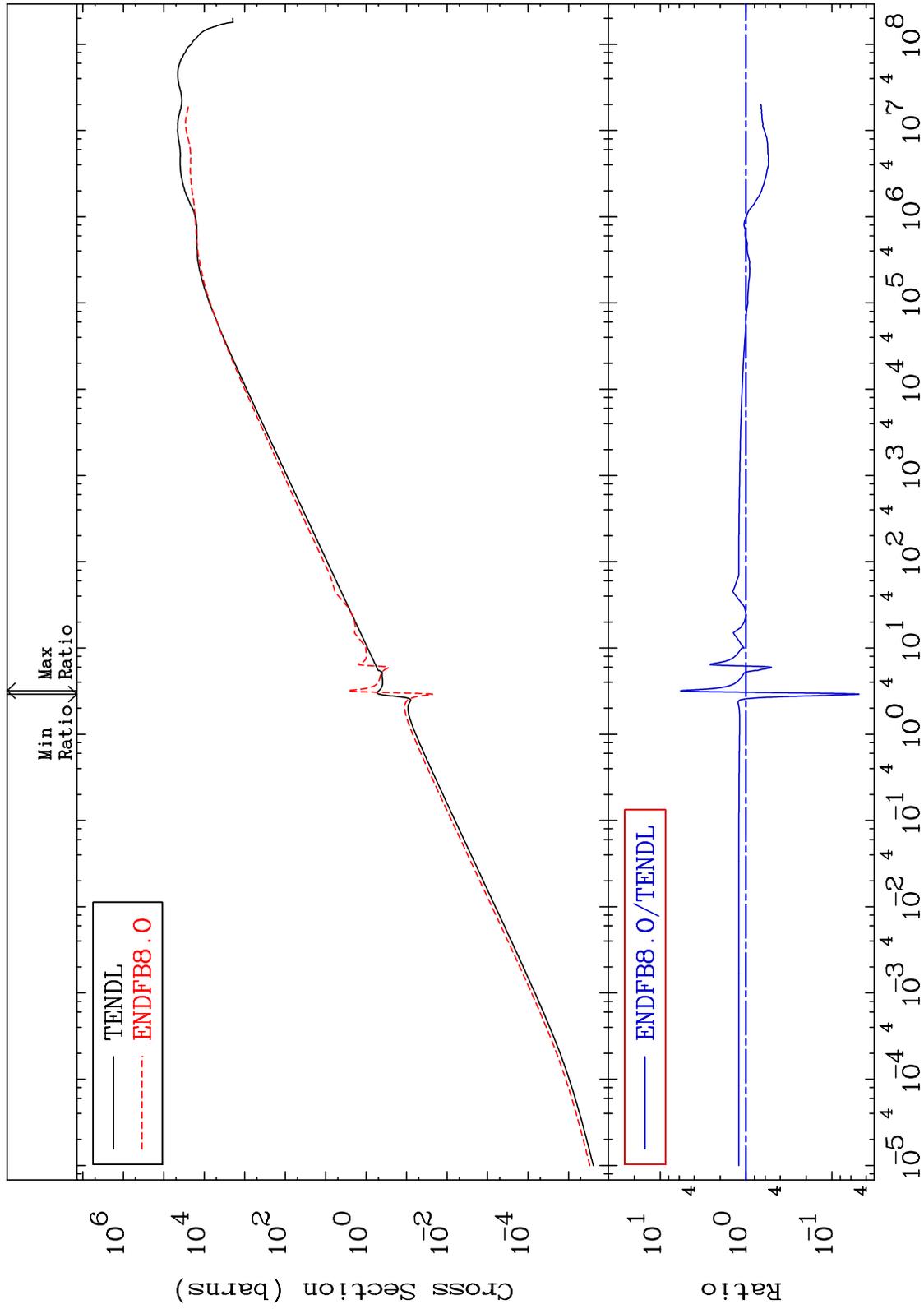
MAT 9428 Kerma total (eV-barns) 94-Pu-236
 Cross Section -88.56 To 9999. %



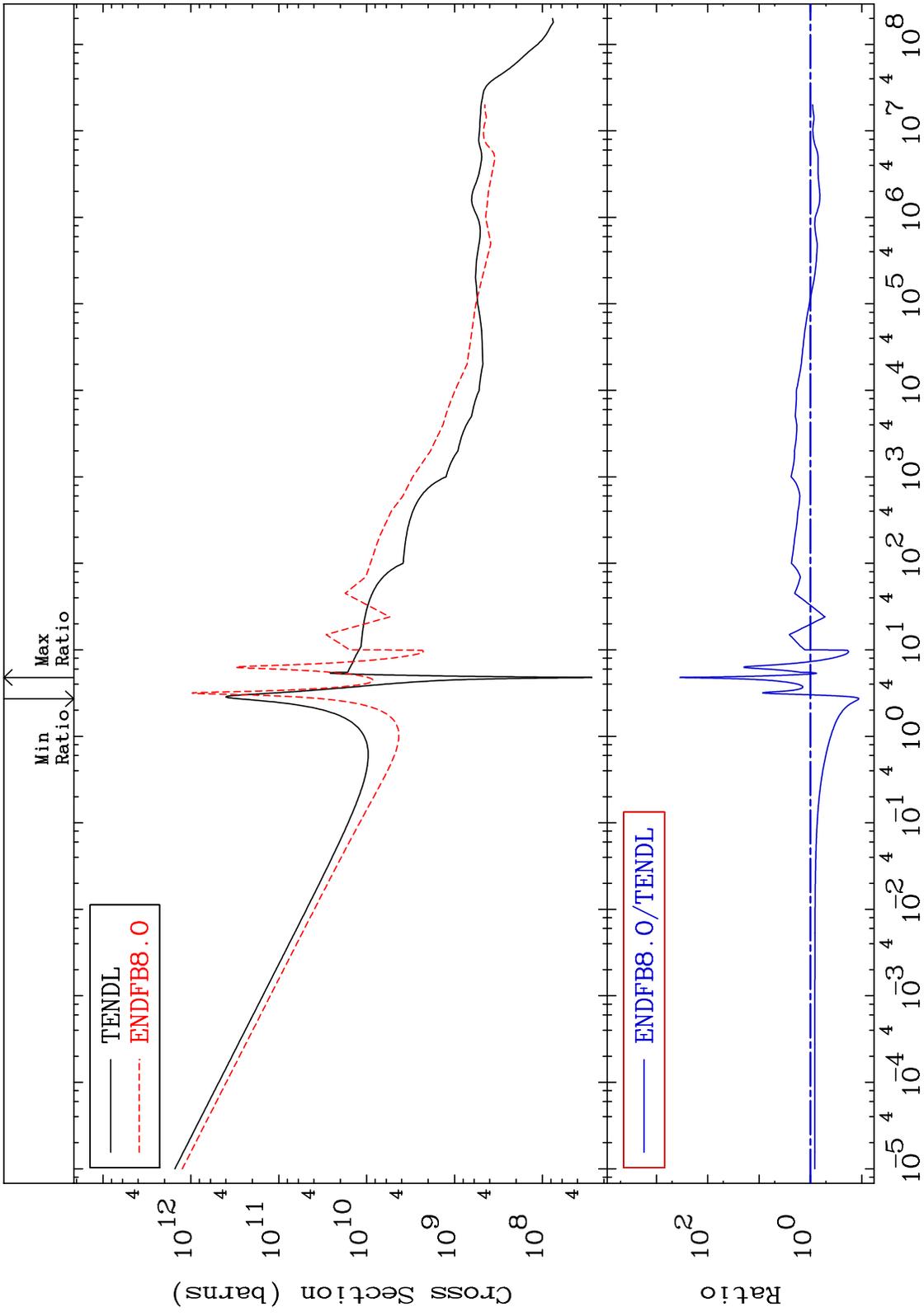
MAT 9428

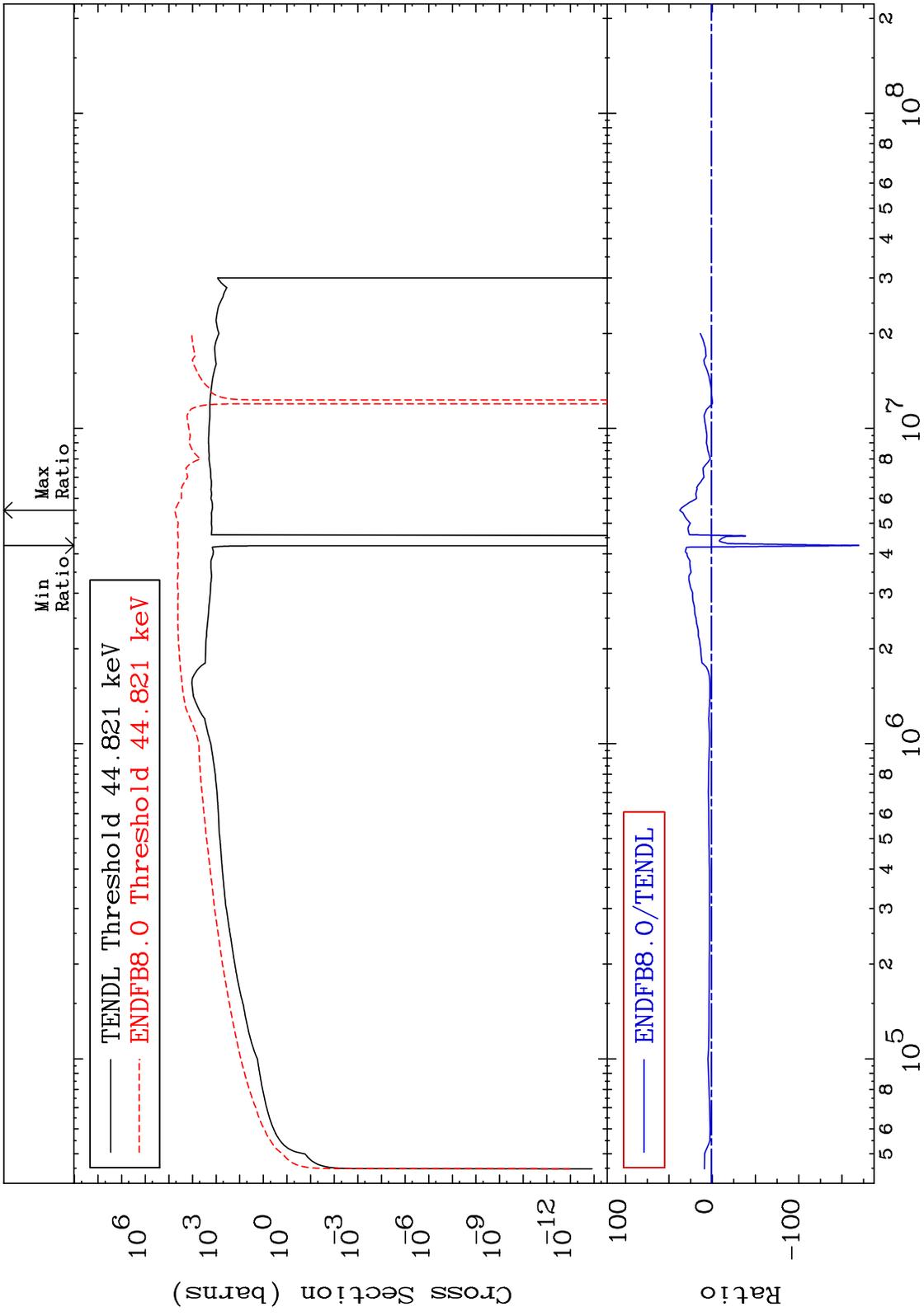
Kerma elastic
Cross Section

94-Pu-236
-95.16 To 478.5 %



MAT 9428 Kerma non-elastic (all but mt2) 94-Pu-236
 Cross Section -88.56 To 9999. %





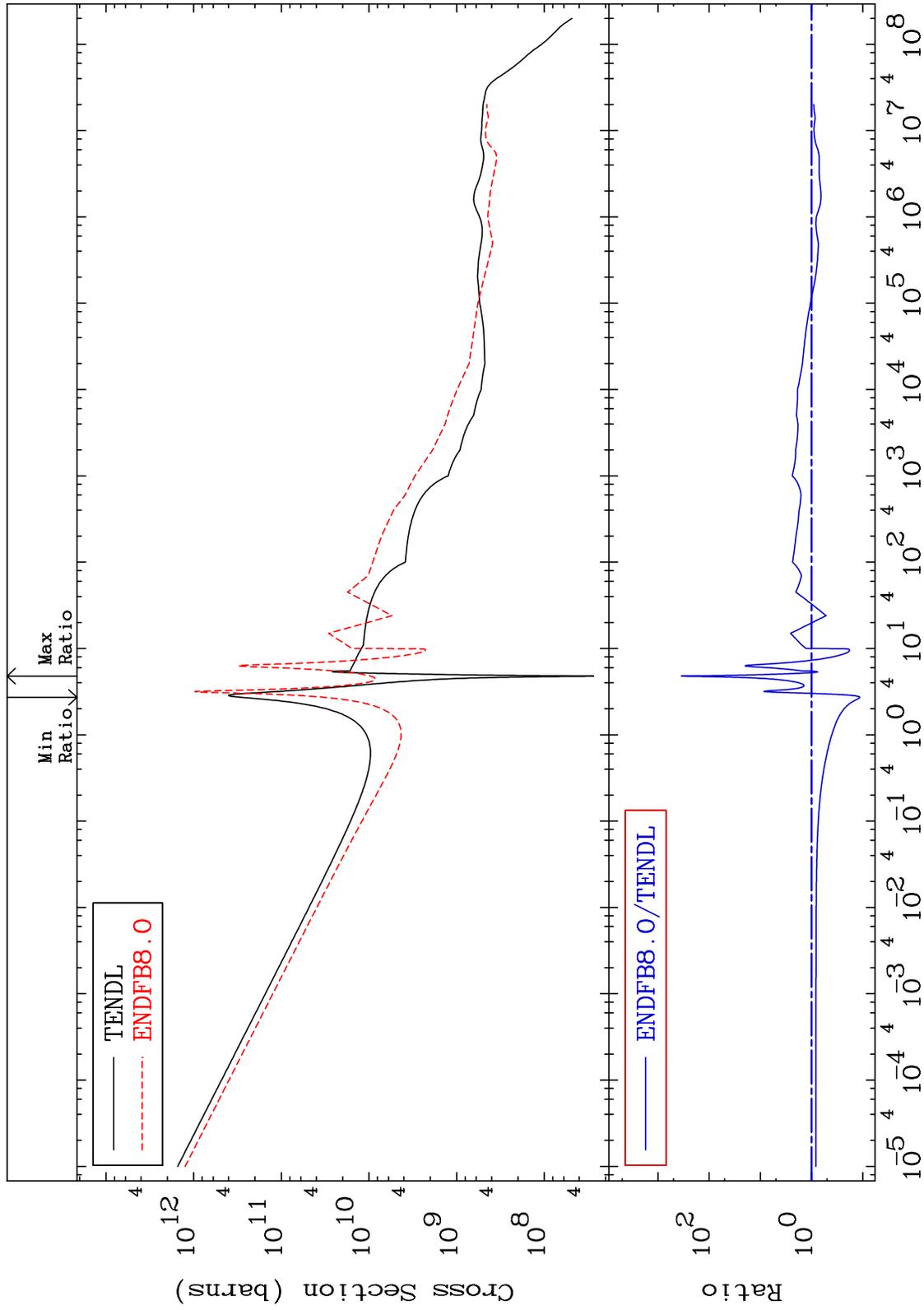
MAT 9428

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

94-Pu-236

-88.56 To 9999. %

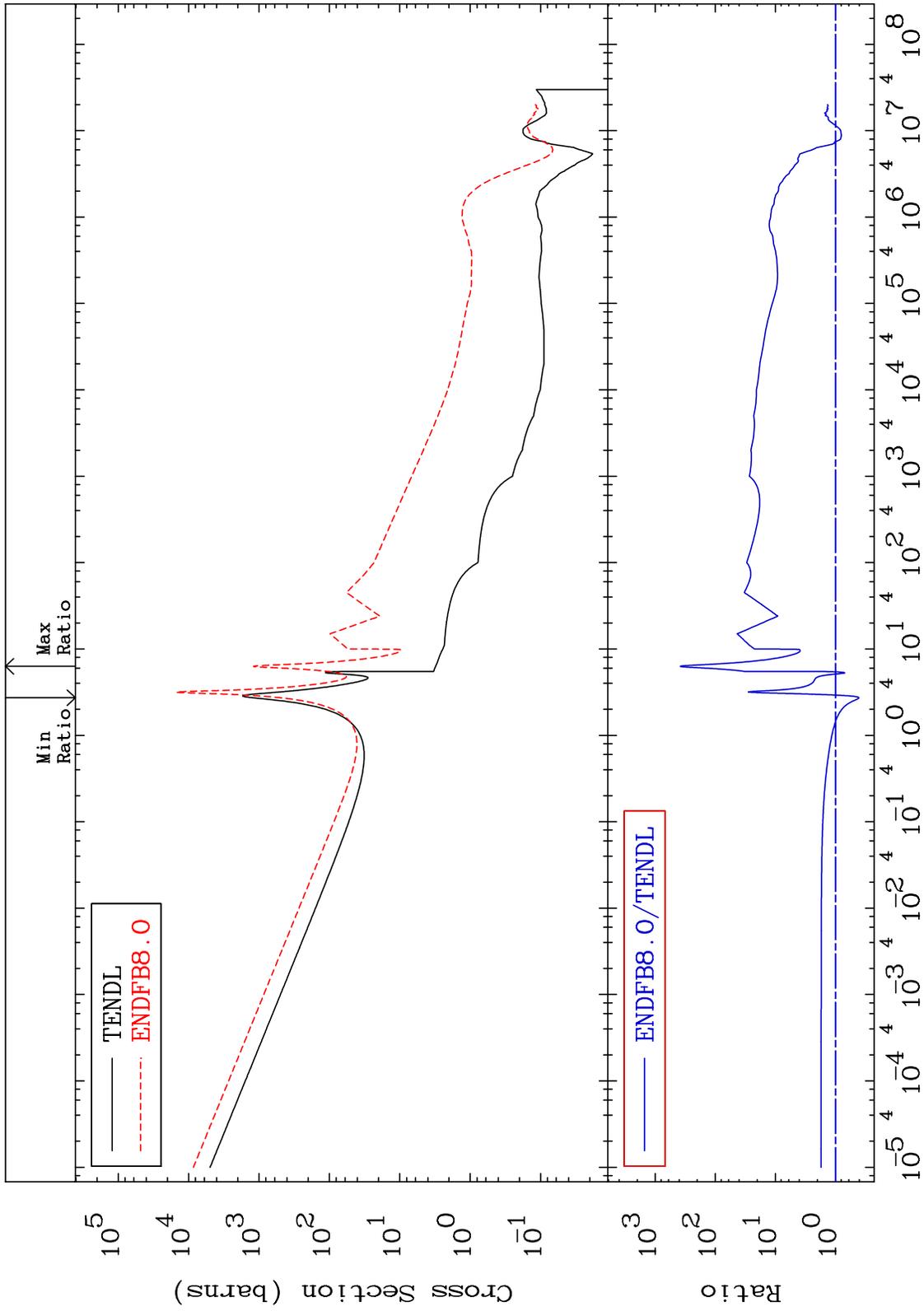
Cross Section



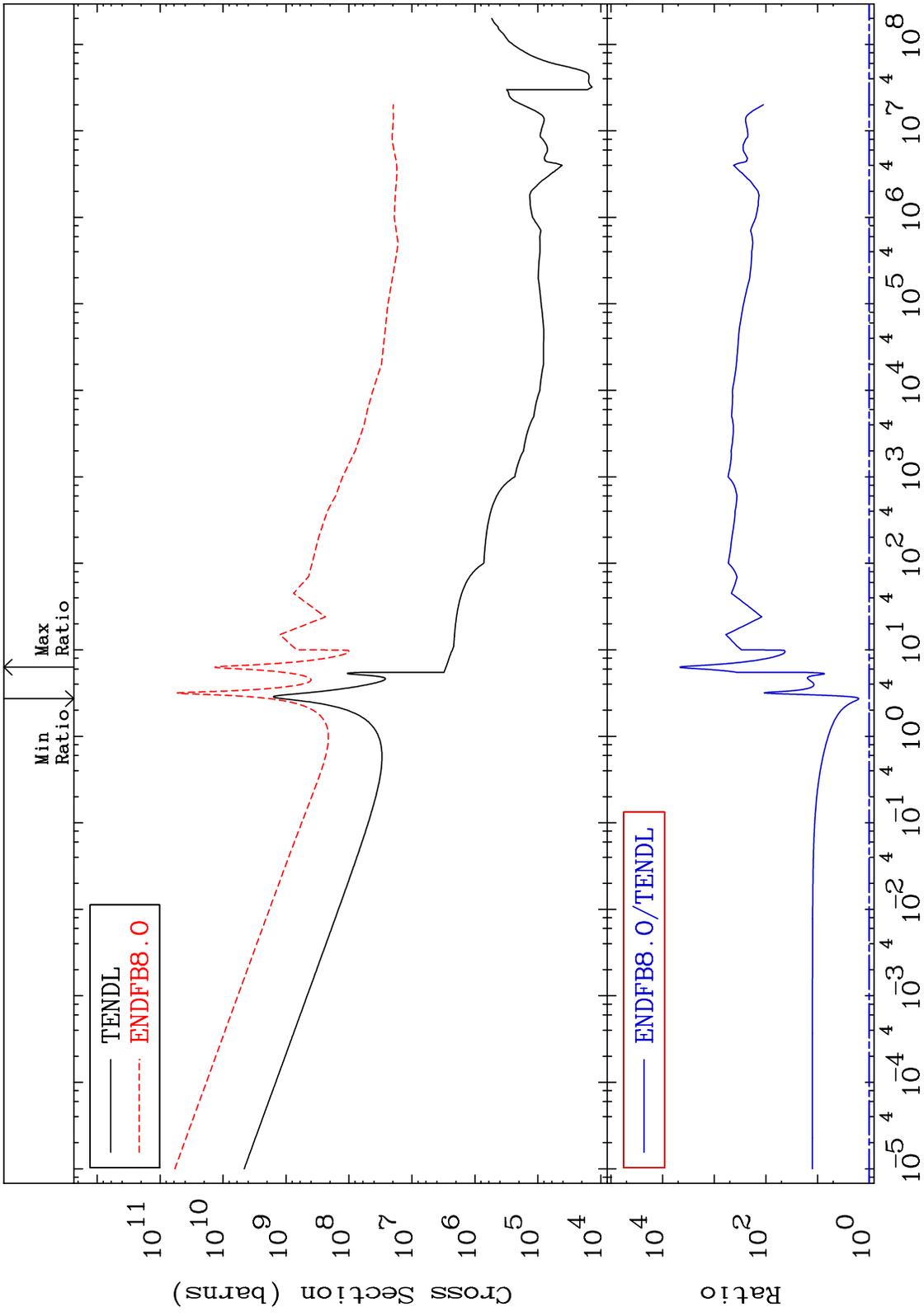
MAT 9428

Kerma capture (mt102)
Cross Section

94-Pu-236
-59.42 To 9999. %



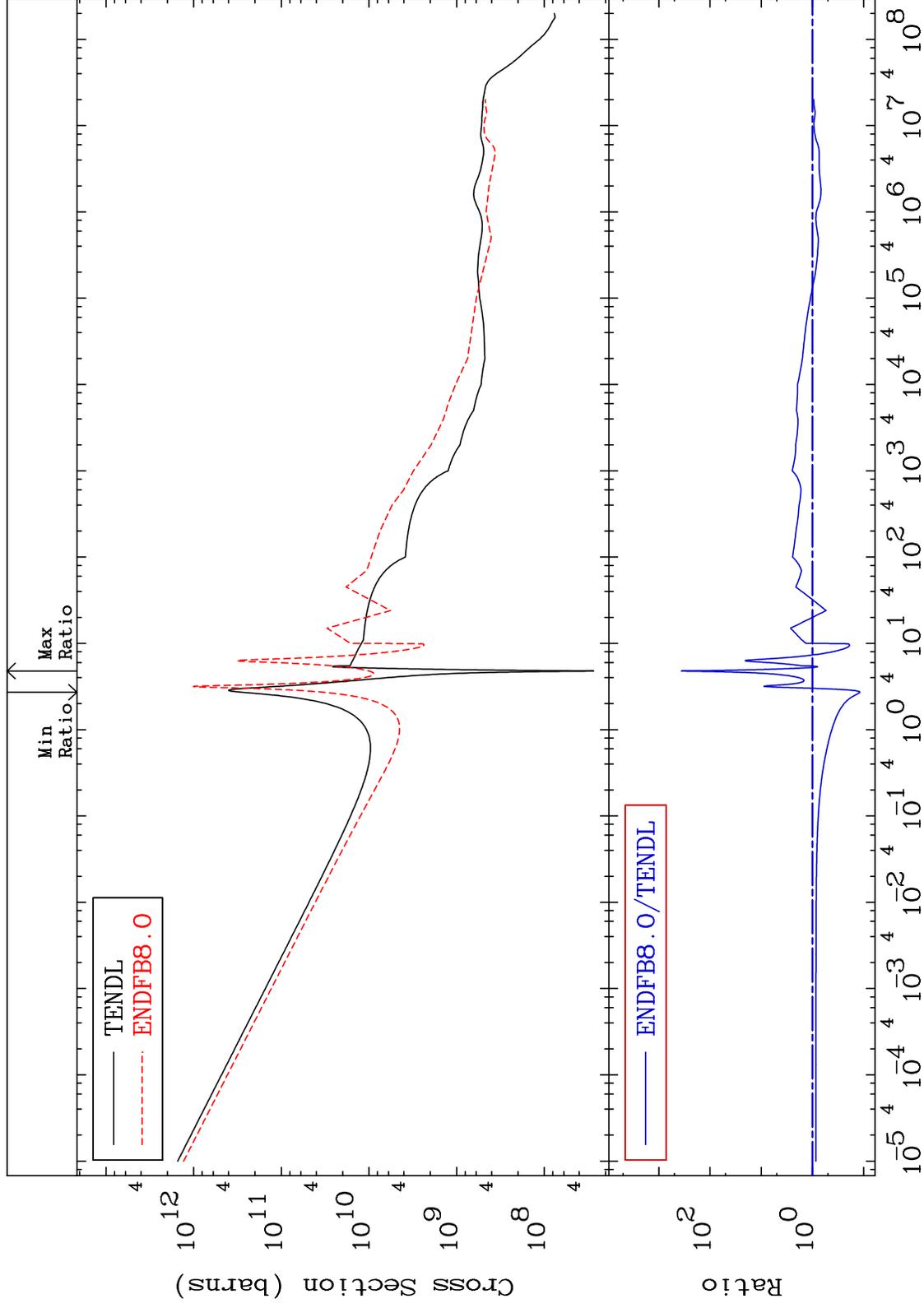
MAT 9428 94-Pu-236
 Total photon (eV-barns) 59.91 To 9999. %
 Cross Section



MAT 9428

Total kinematic kerma (high limit)
Cross Section

94-Pu-236
-88.10 To 9999. %



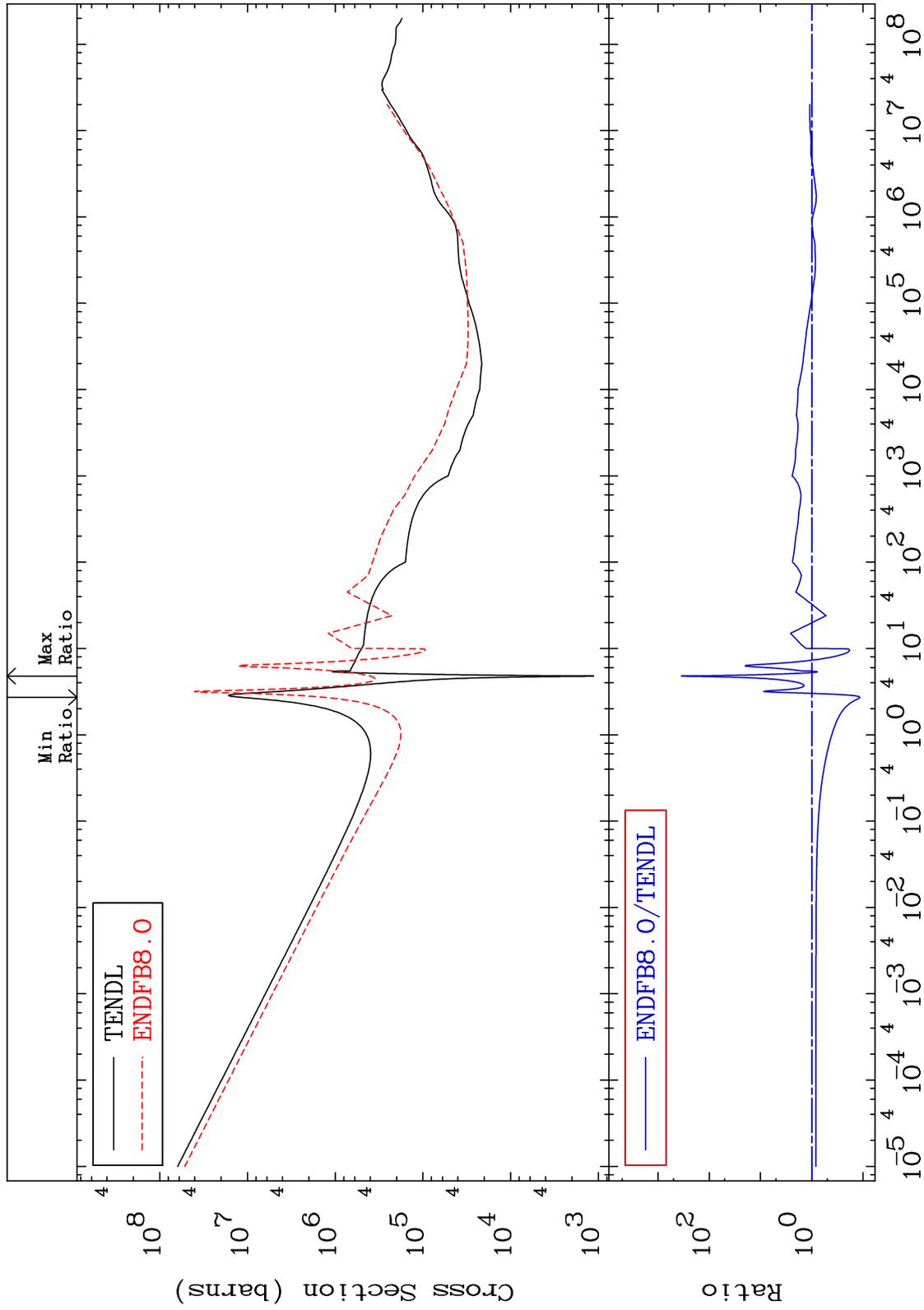
MAT 9428

Dpa total (eV-barns)

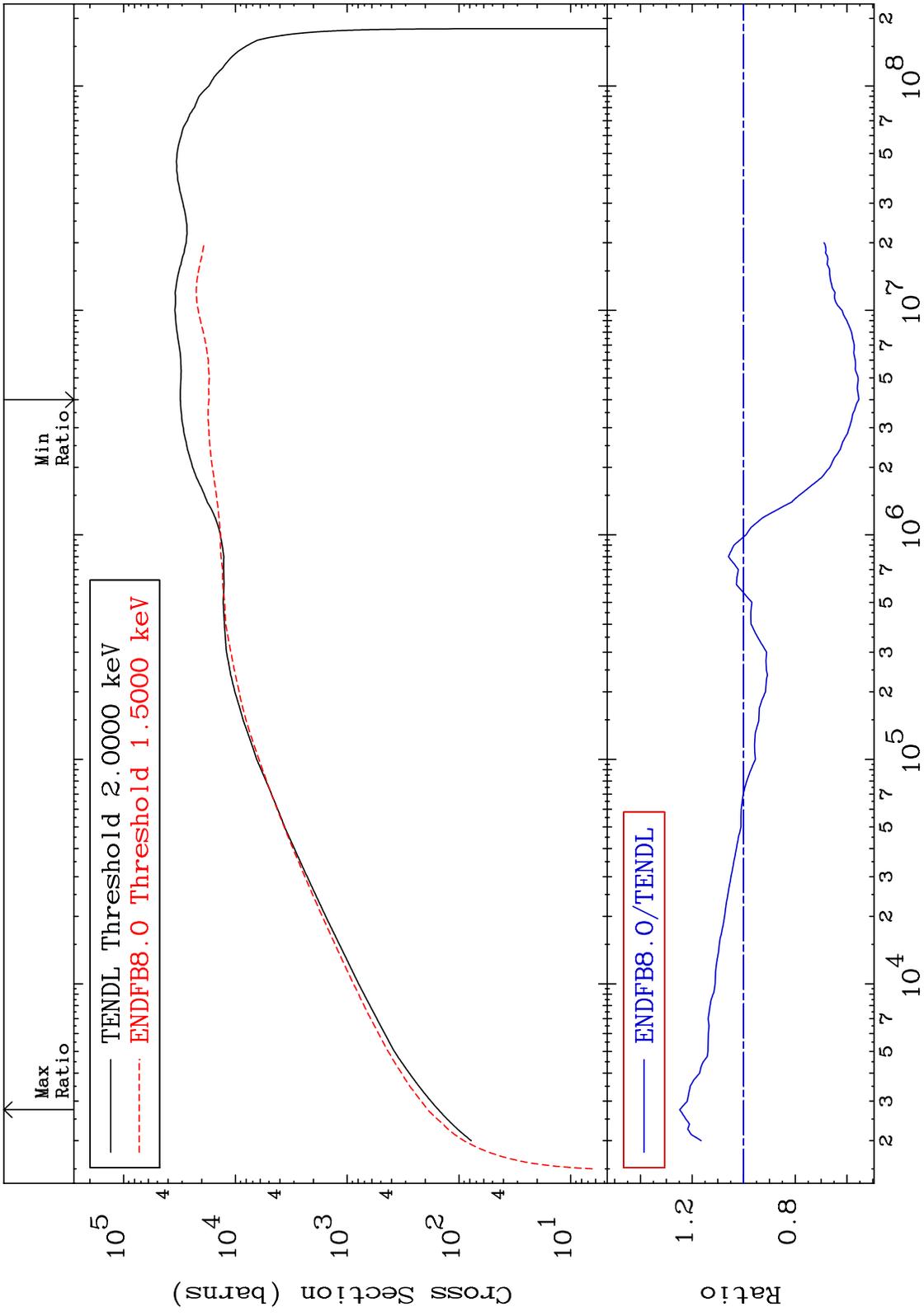
94-Pu-236

-88.47 To 9999. %

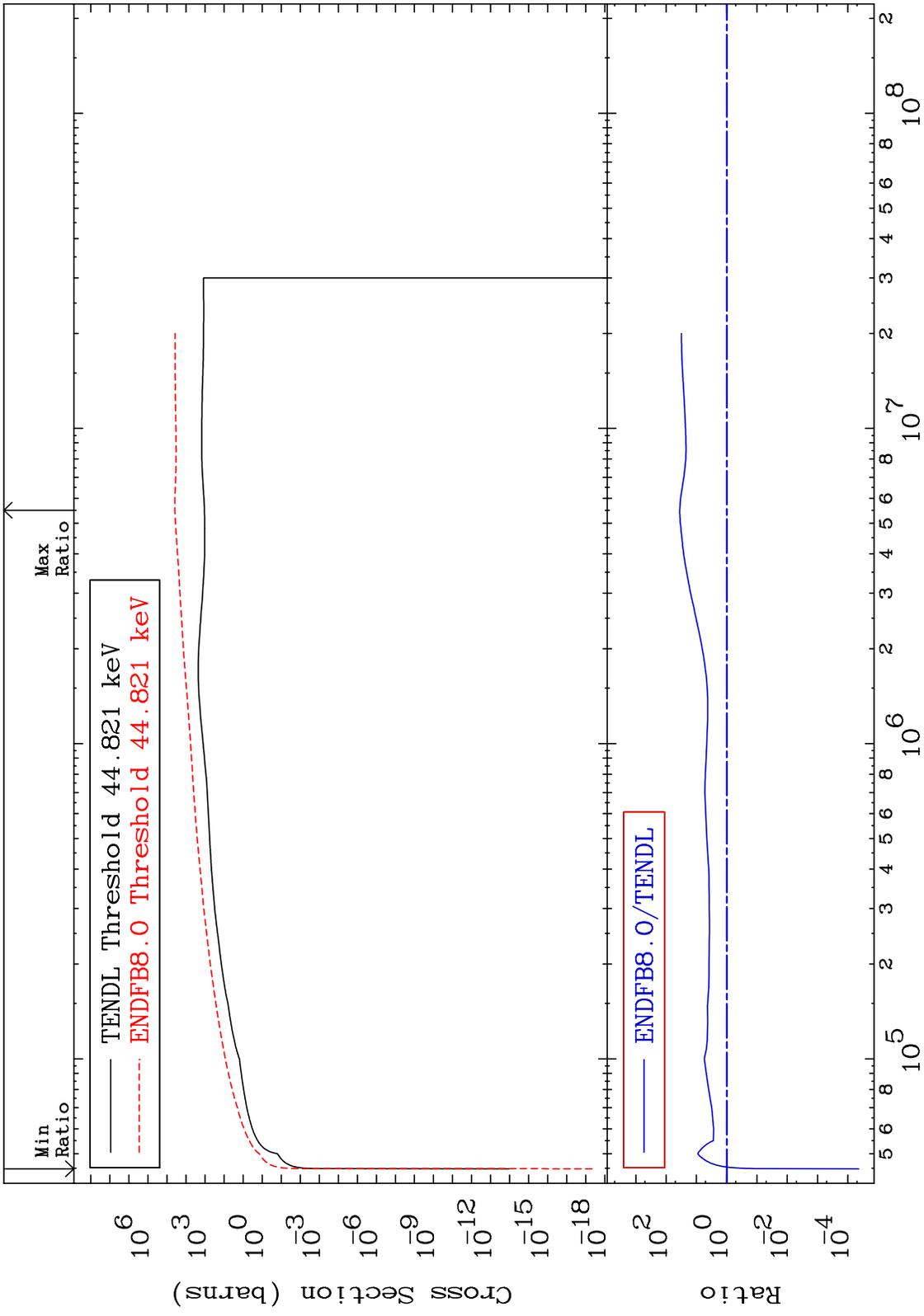
Cross Section



MAT 9428 94-Pu-236
 Dpa elastic (mt2) -44.61 To 24.77 %
 Cross Section



MAT 9428 Dpa inelastic (mt51-91) 94-Pu-236
 Cross Section -100.0 To 3450. %



MAT 9428 Dpa disappearance (mt102 -120) 94-Pu-236
 Cross Section -100.0 To 9999. %

