

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

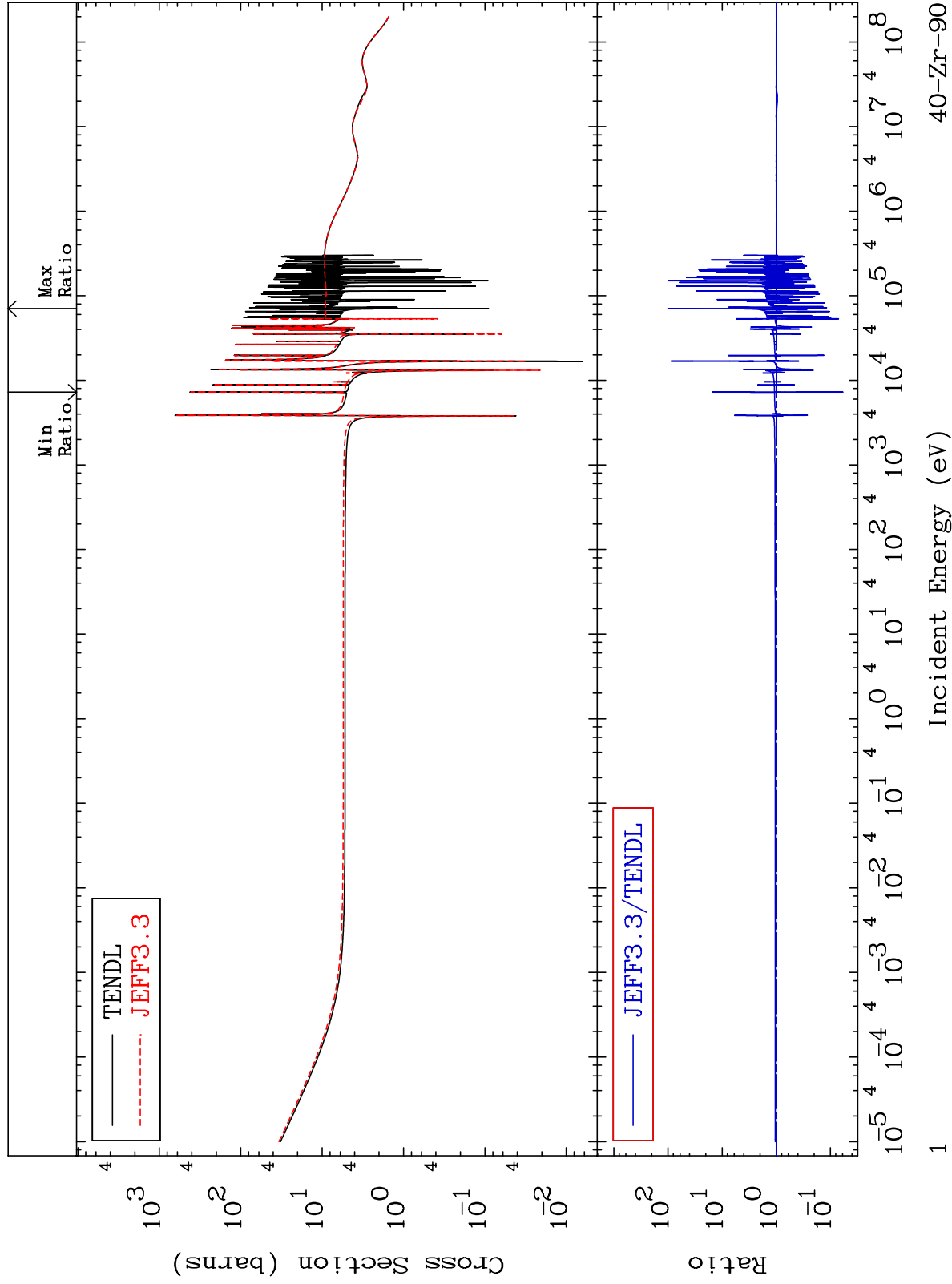
MAT 4025

Total

40-Zr-90

Cross Section

-94.09 To 9905. %



Incident Energy (eV)

40-Zr-90

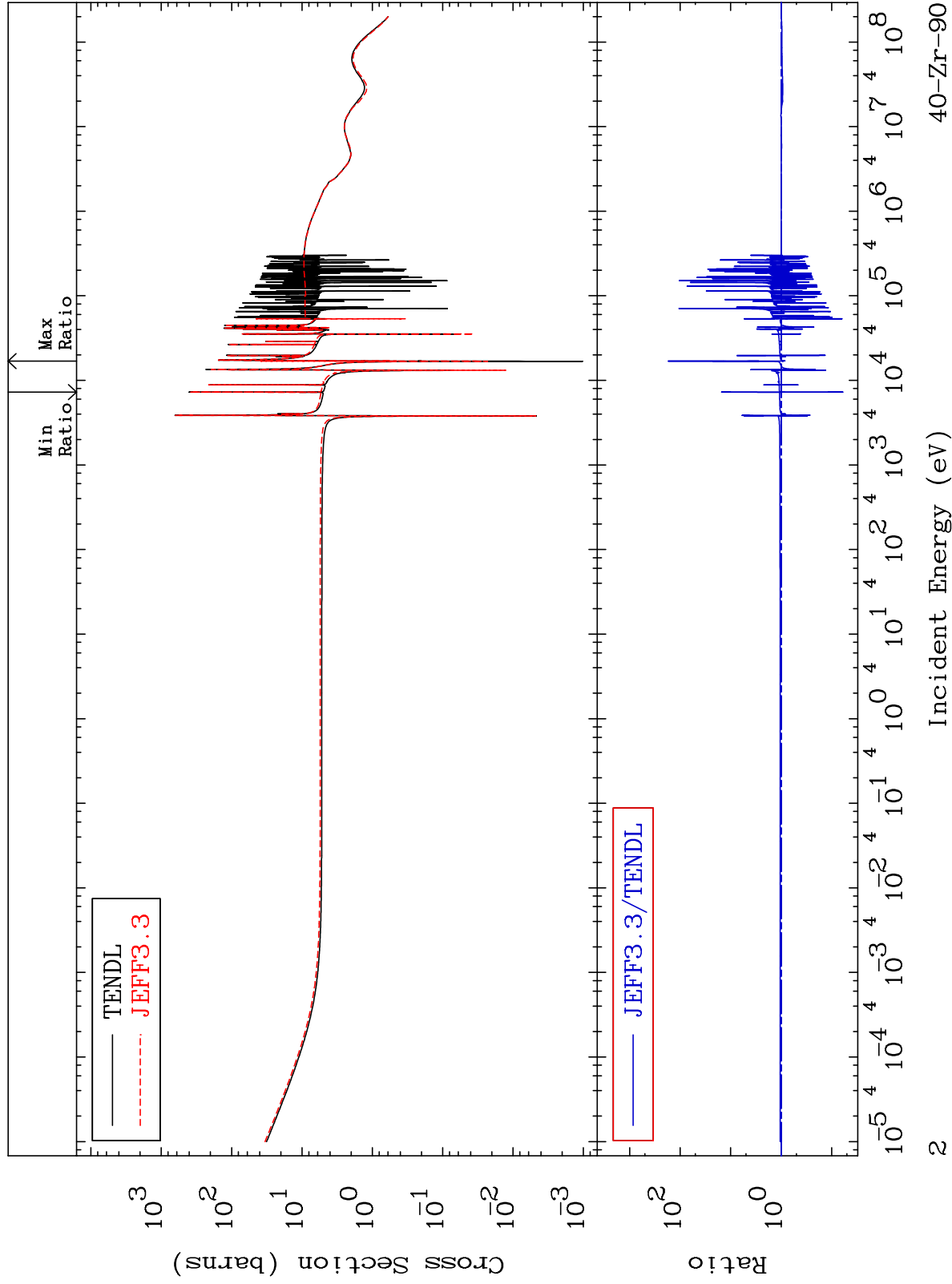
MAT 4025

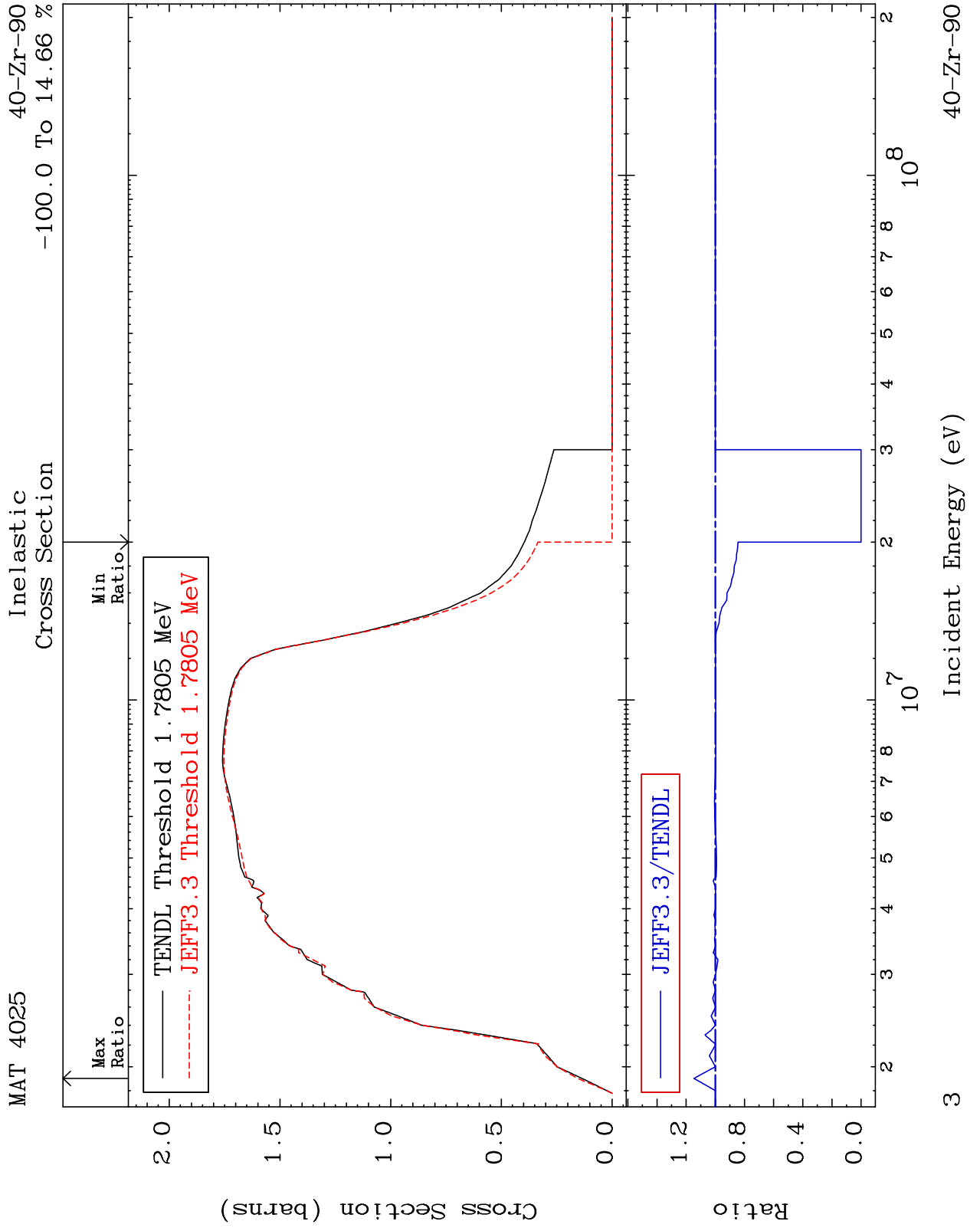
Elastic

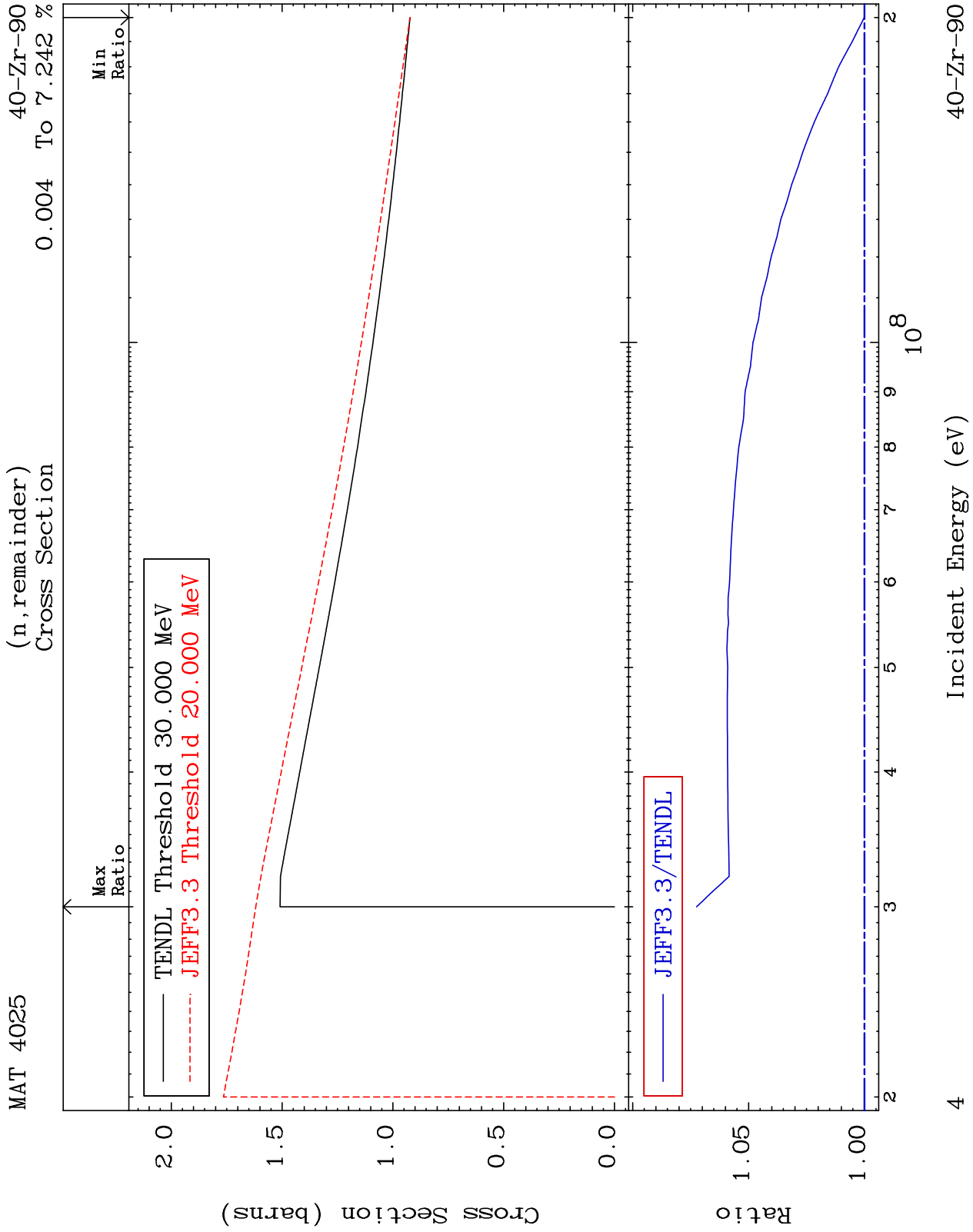
Cross Section

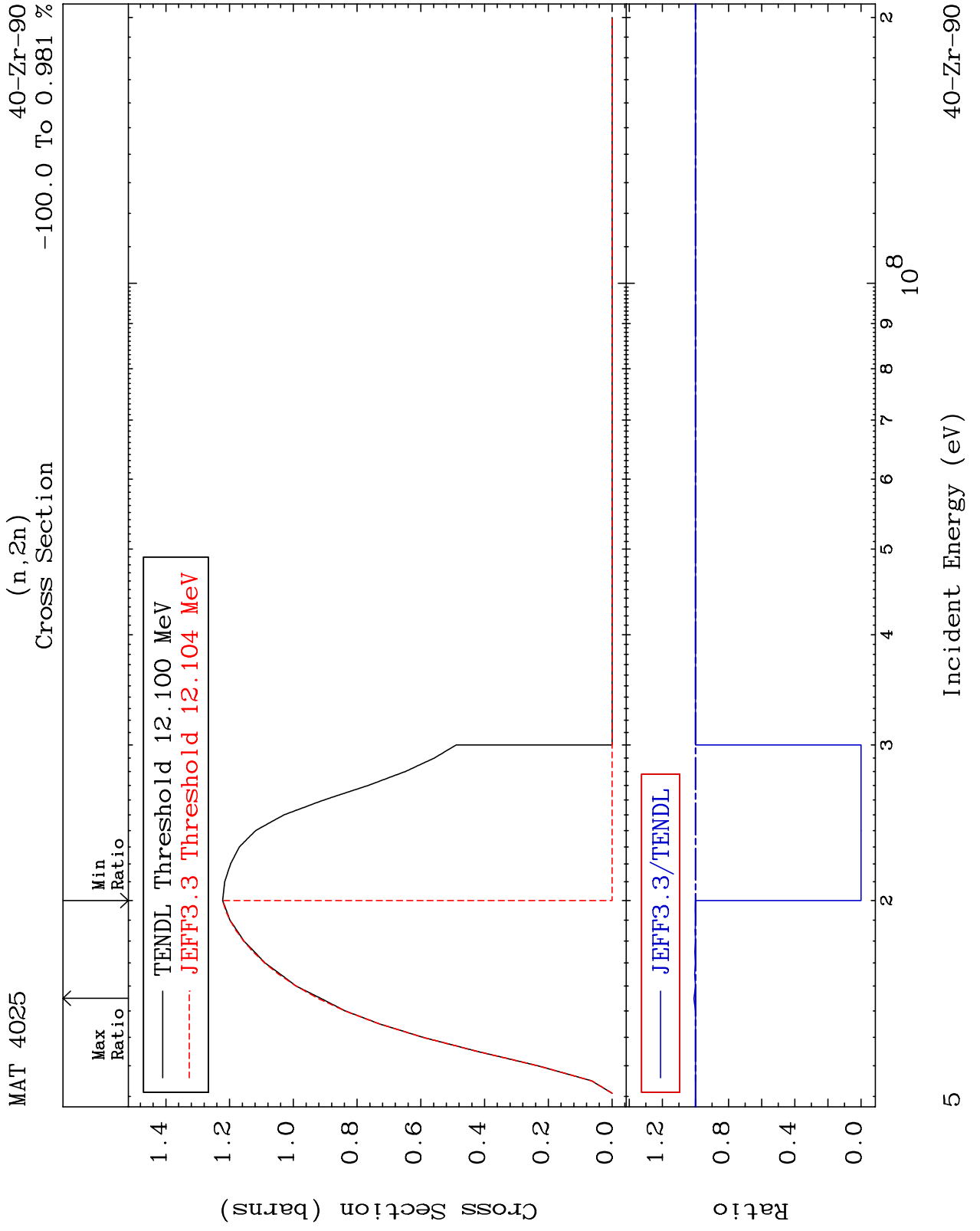
40-Zr-90

-93.99 To 9999. %









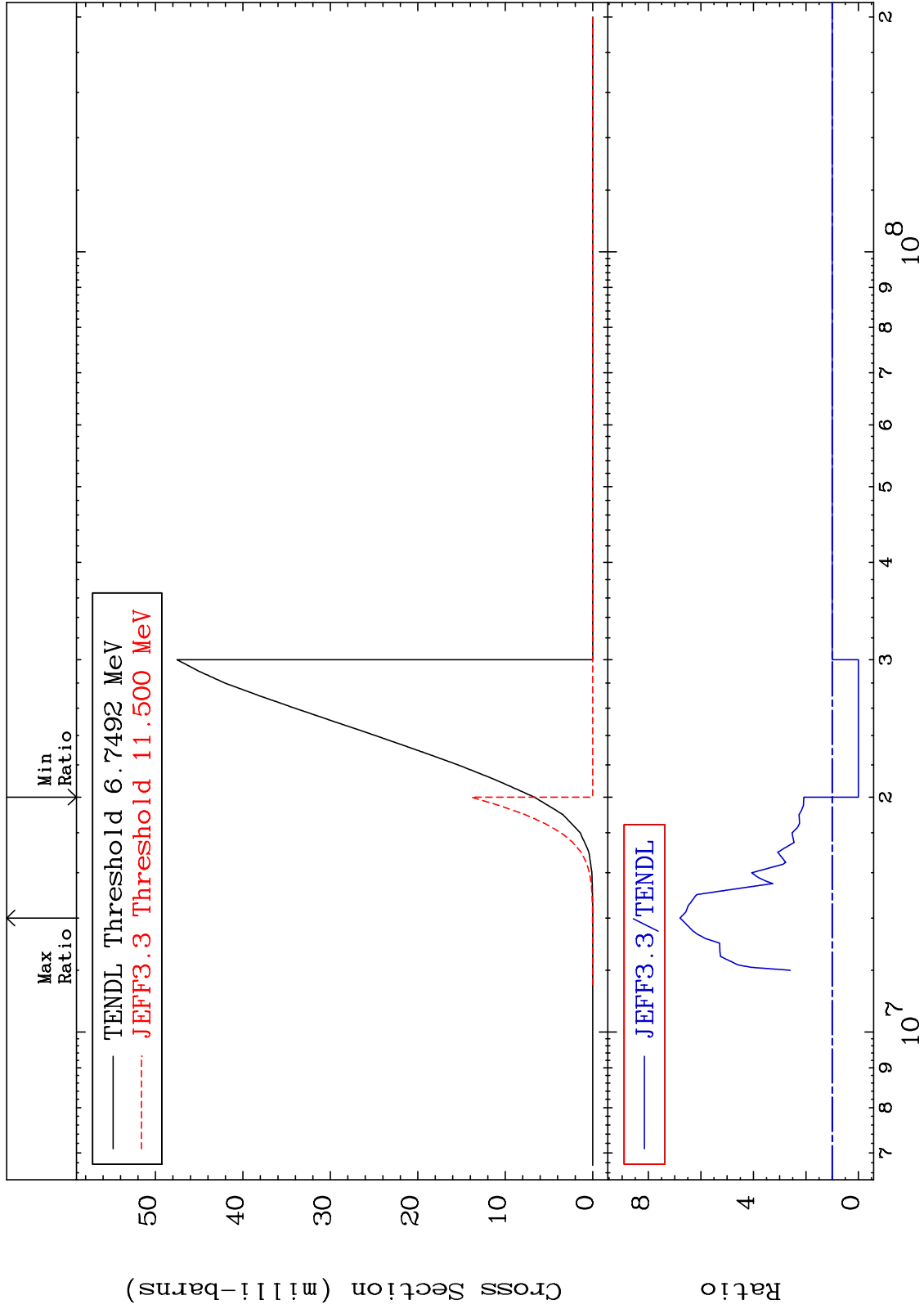
MAT 4025

(n, n') α

40-Zr-90

Cross Section

-100.0 To 579.6 %



6

Incident Energy (eV)

40-Zr-90

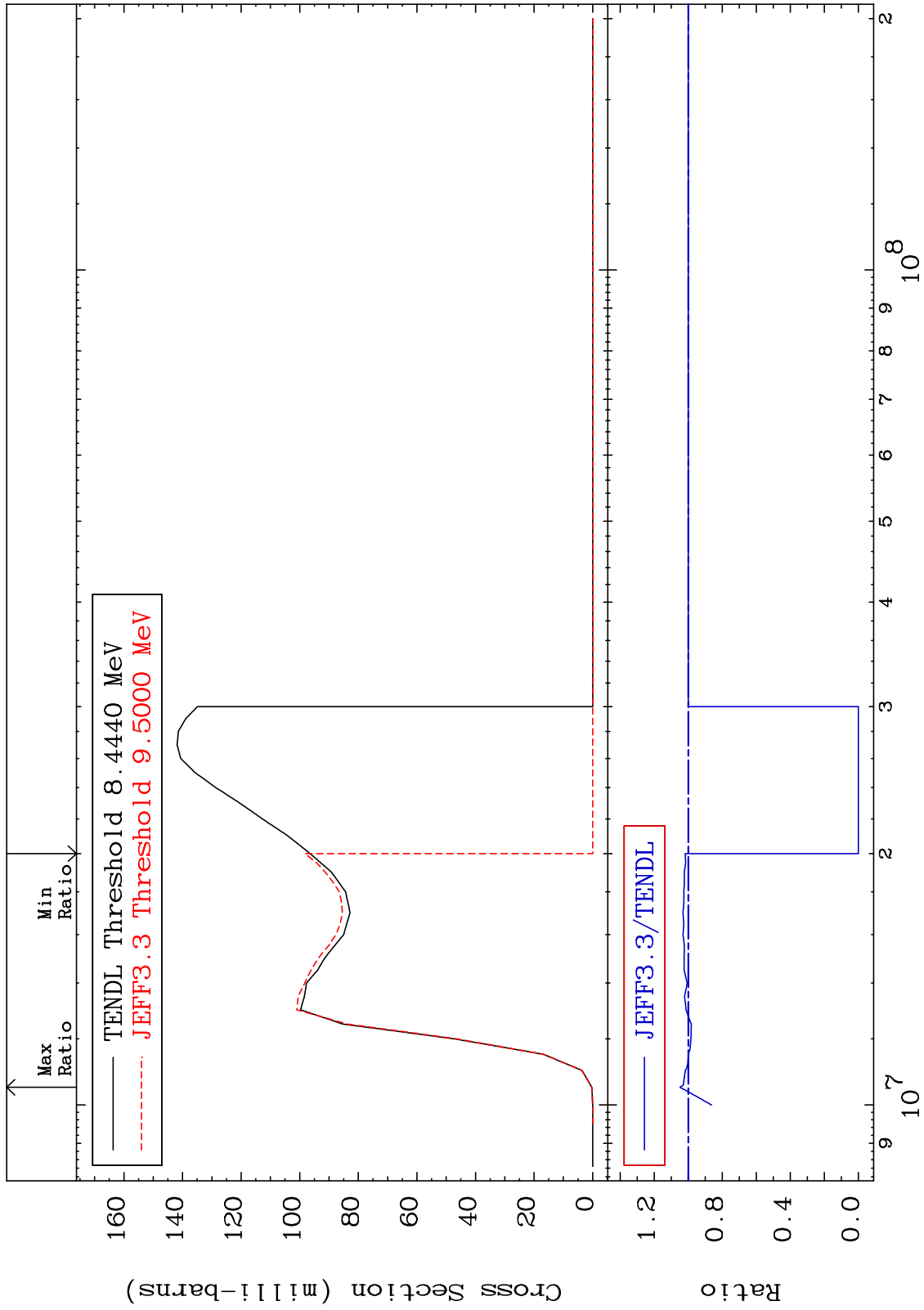
MAT 4025

(n,n') p

40-Zr-90

Cross Section

-100.0 To 4.840 %



7

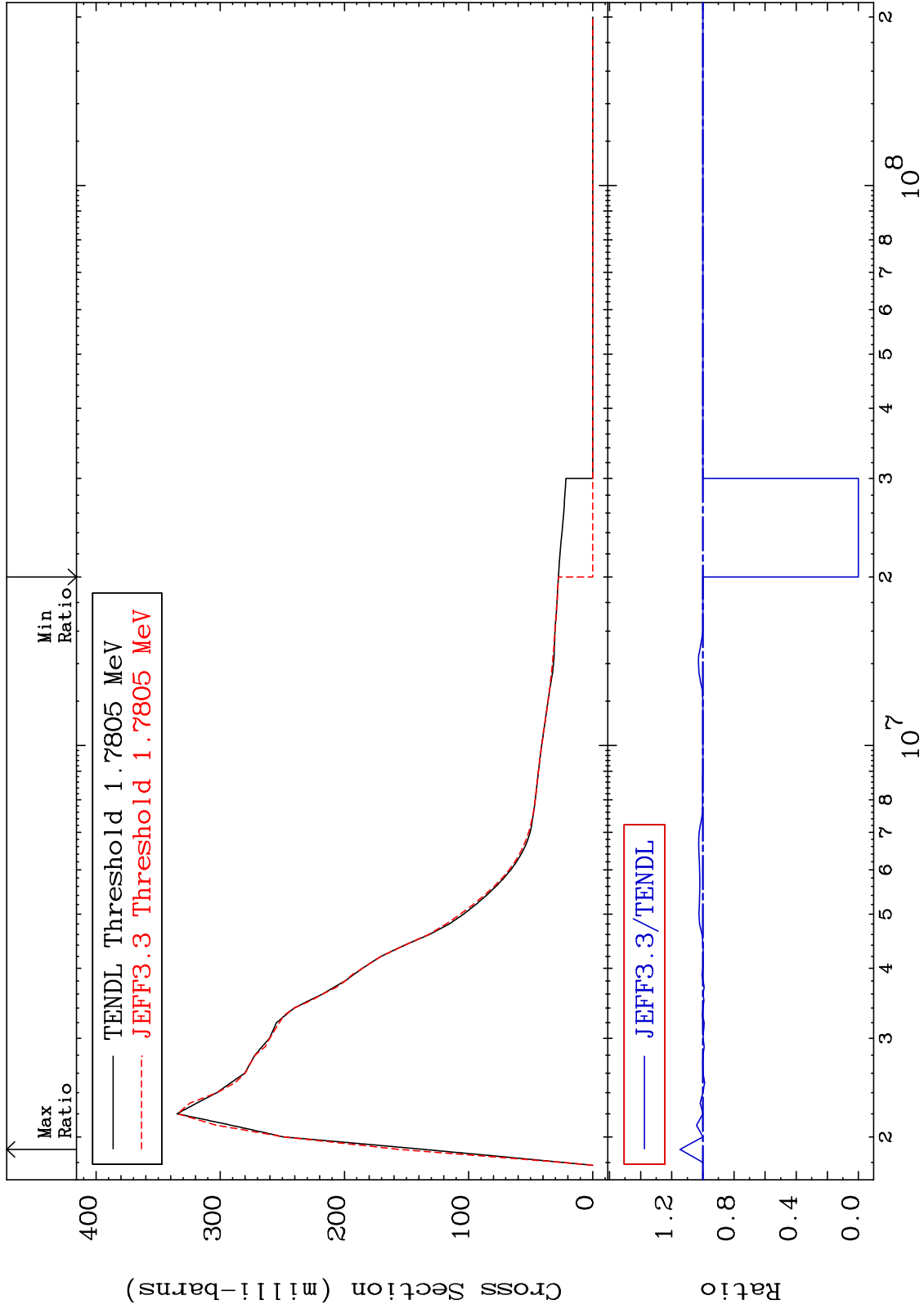
Incident Energy (eV)

40-Zr-90

MAT 4025

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

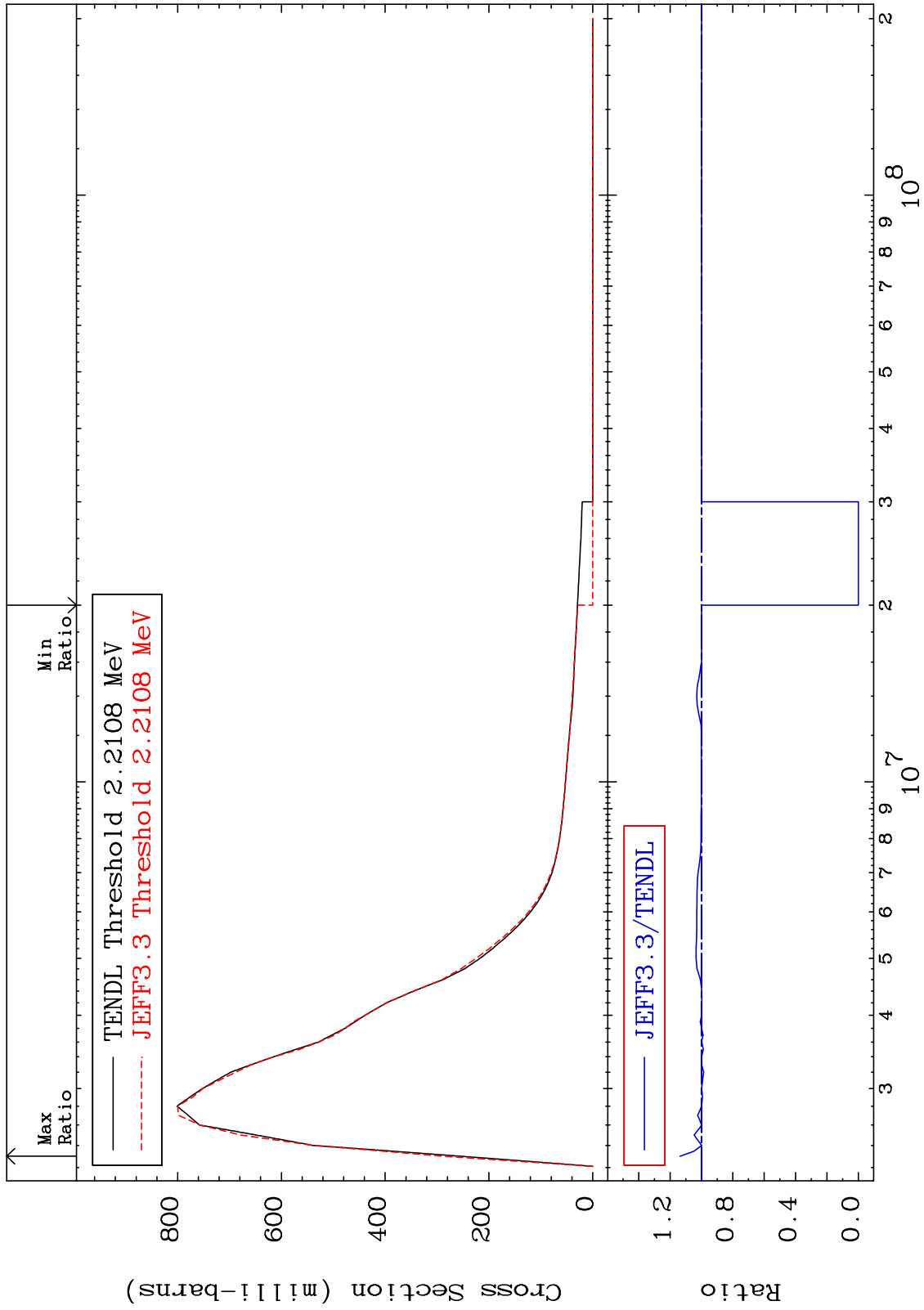
40-Zr-90
-100.0 To 14.66 %

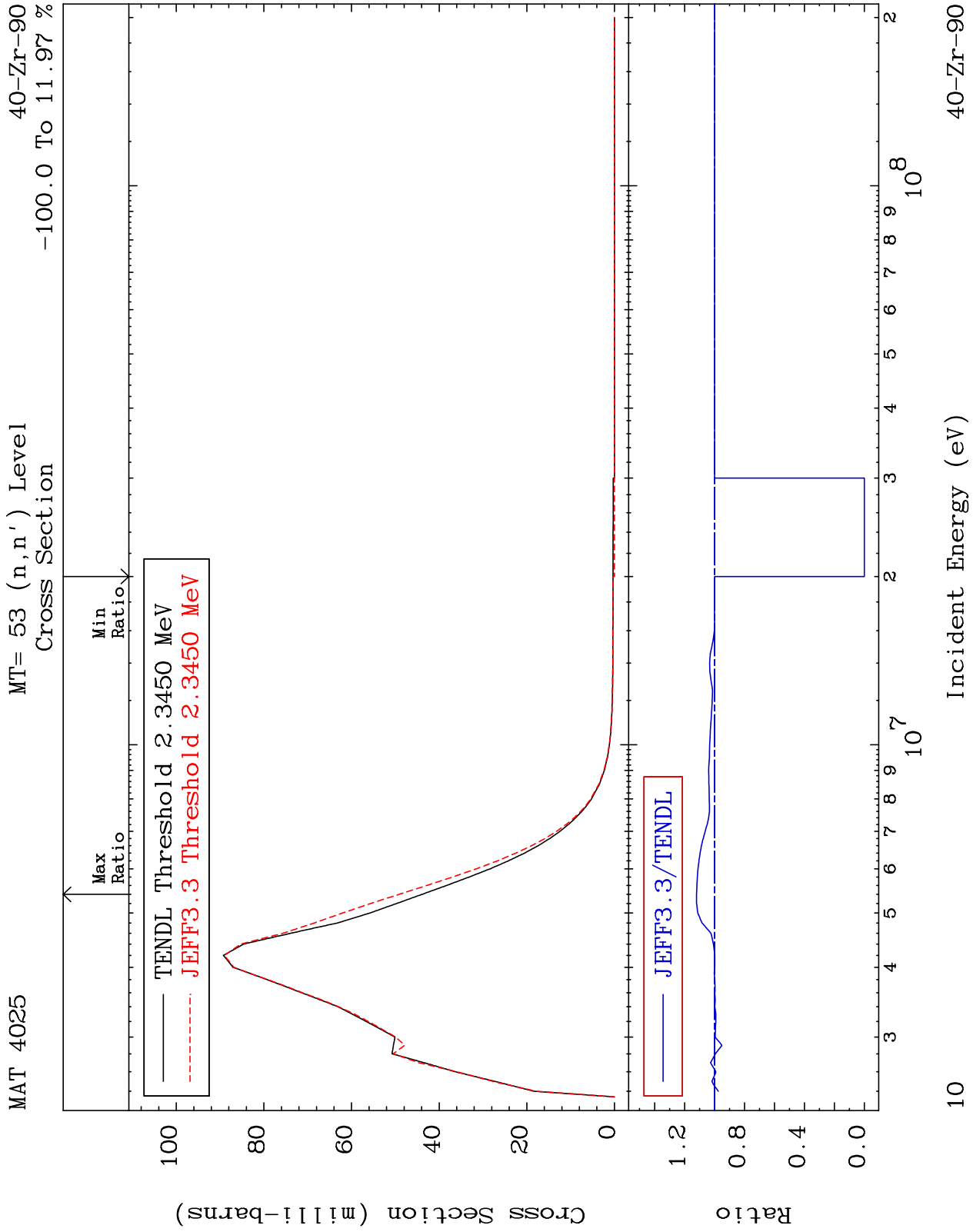


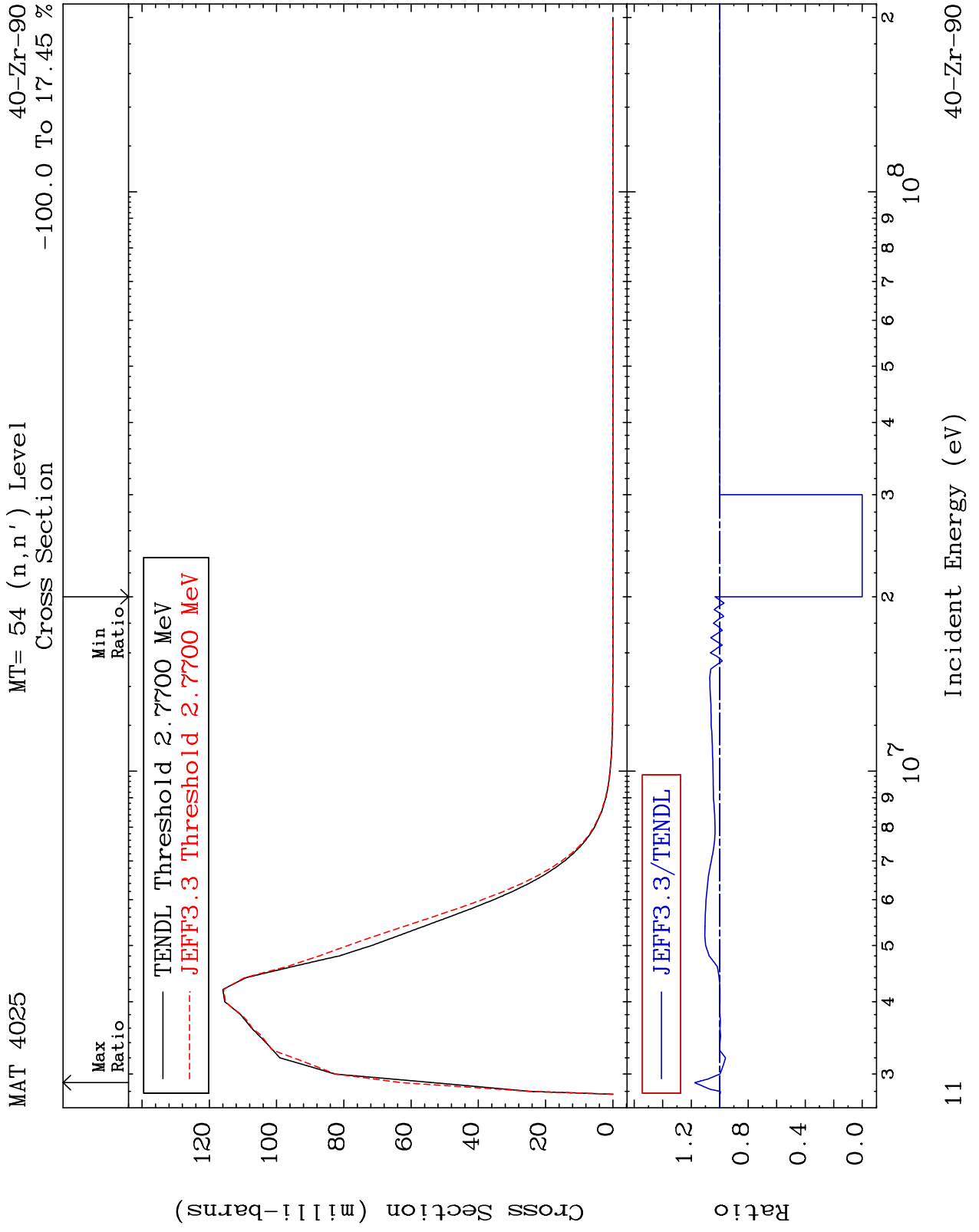
MAT 4025

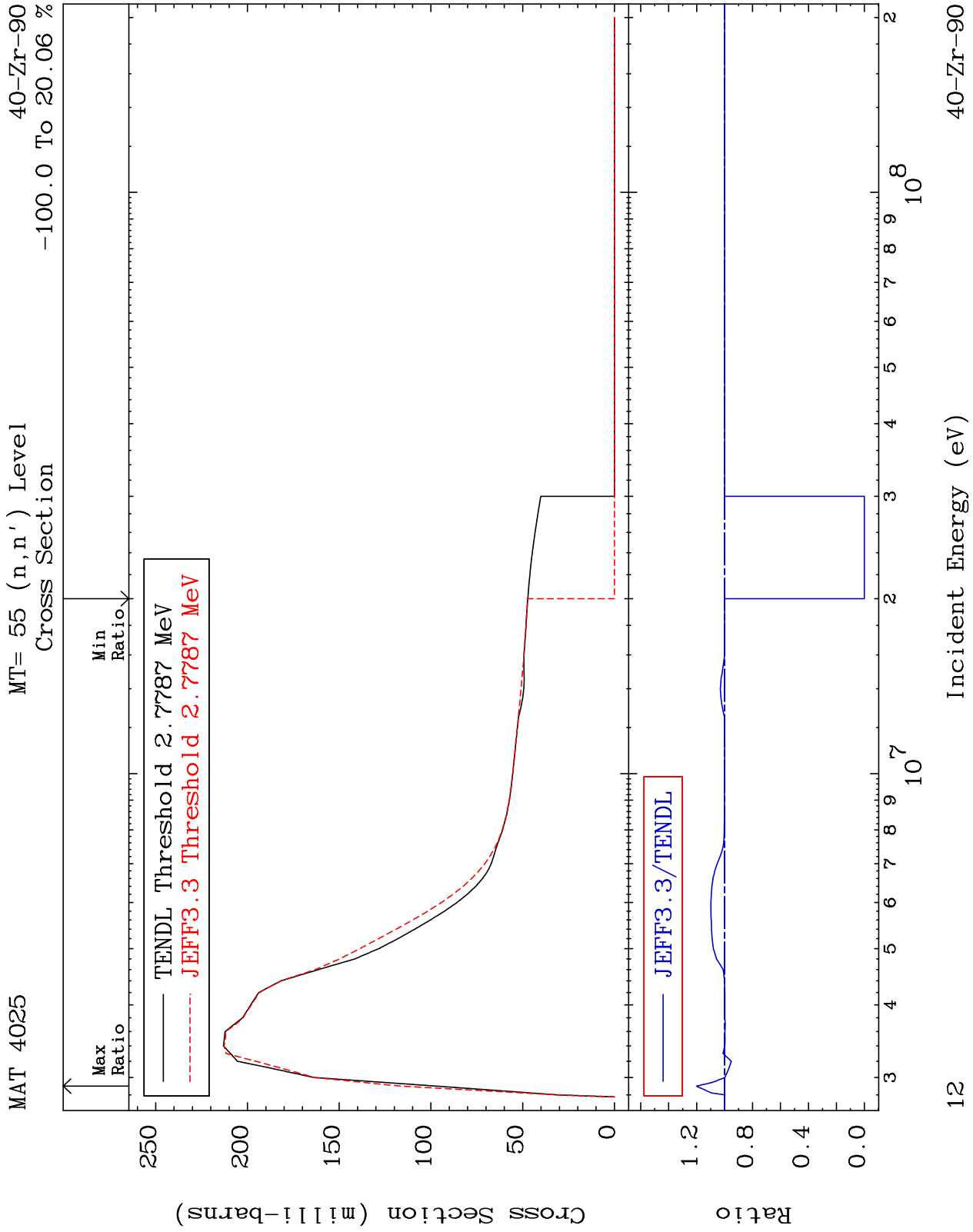
MT= 52 (n,n') Level
Cross Section

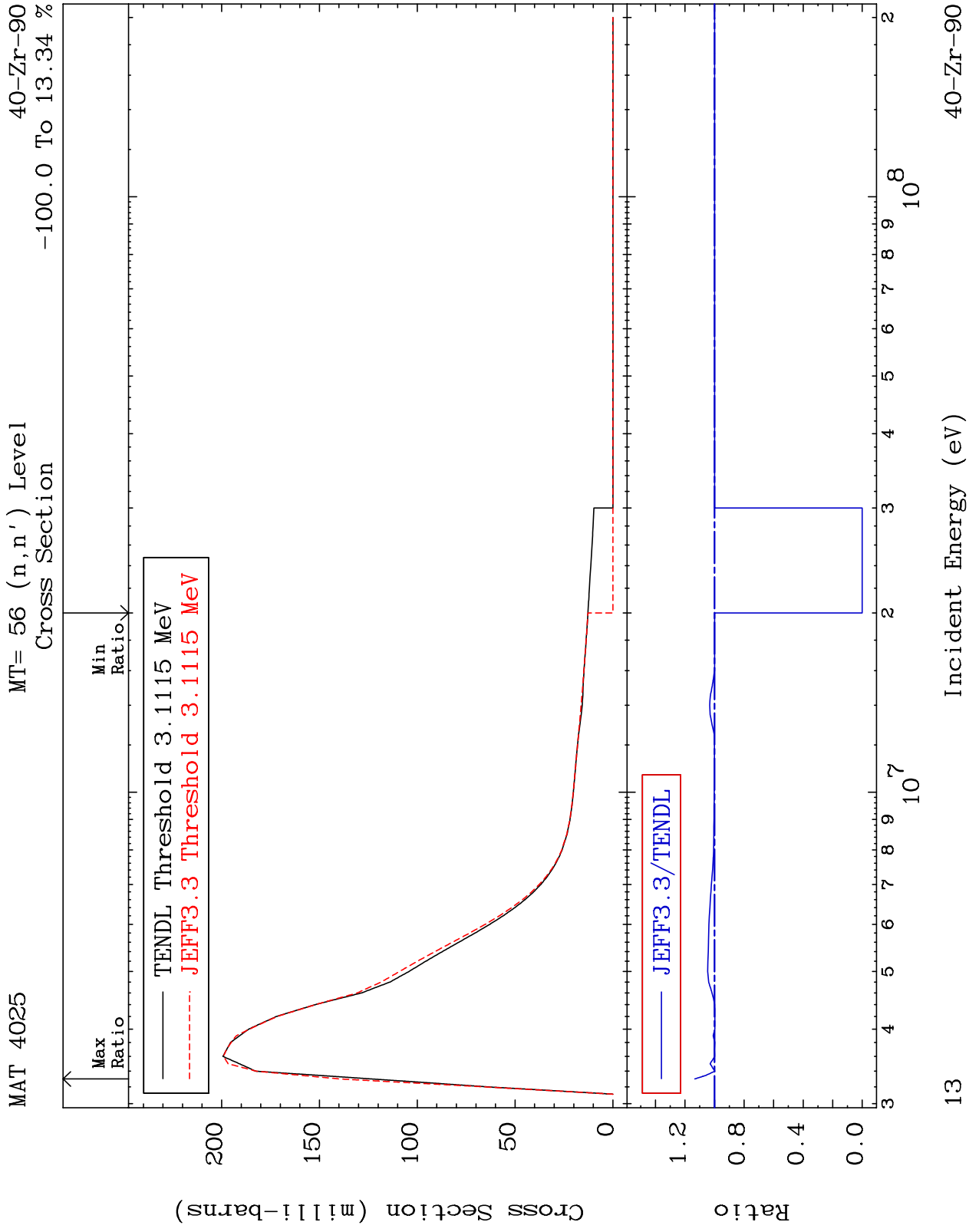
40-Zr-90
-100.0 To 13.65 %

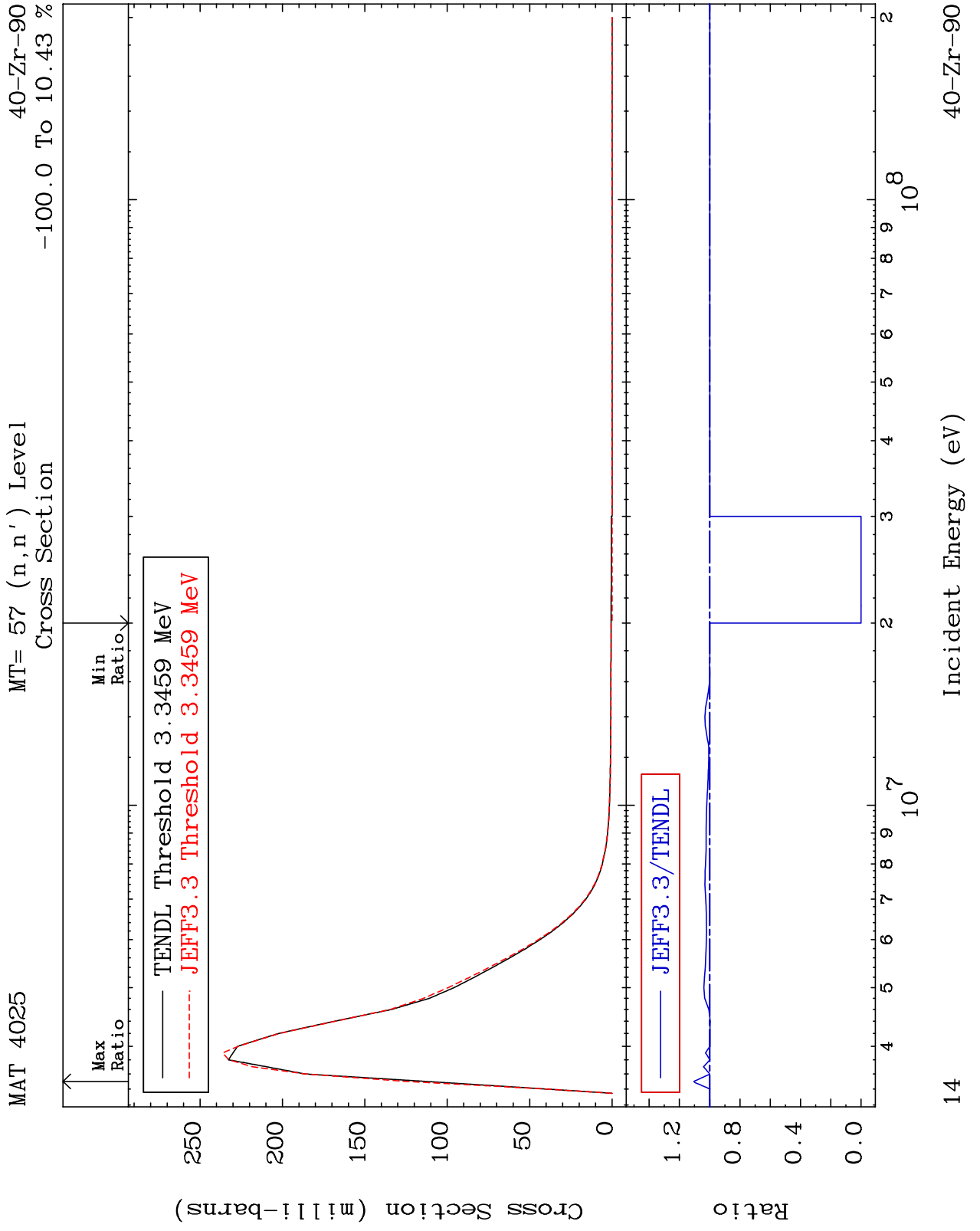








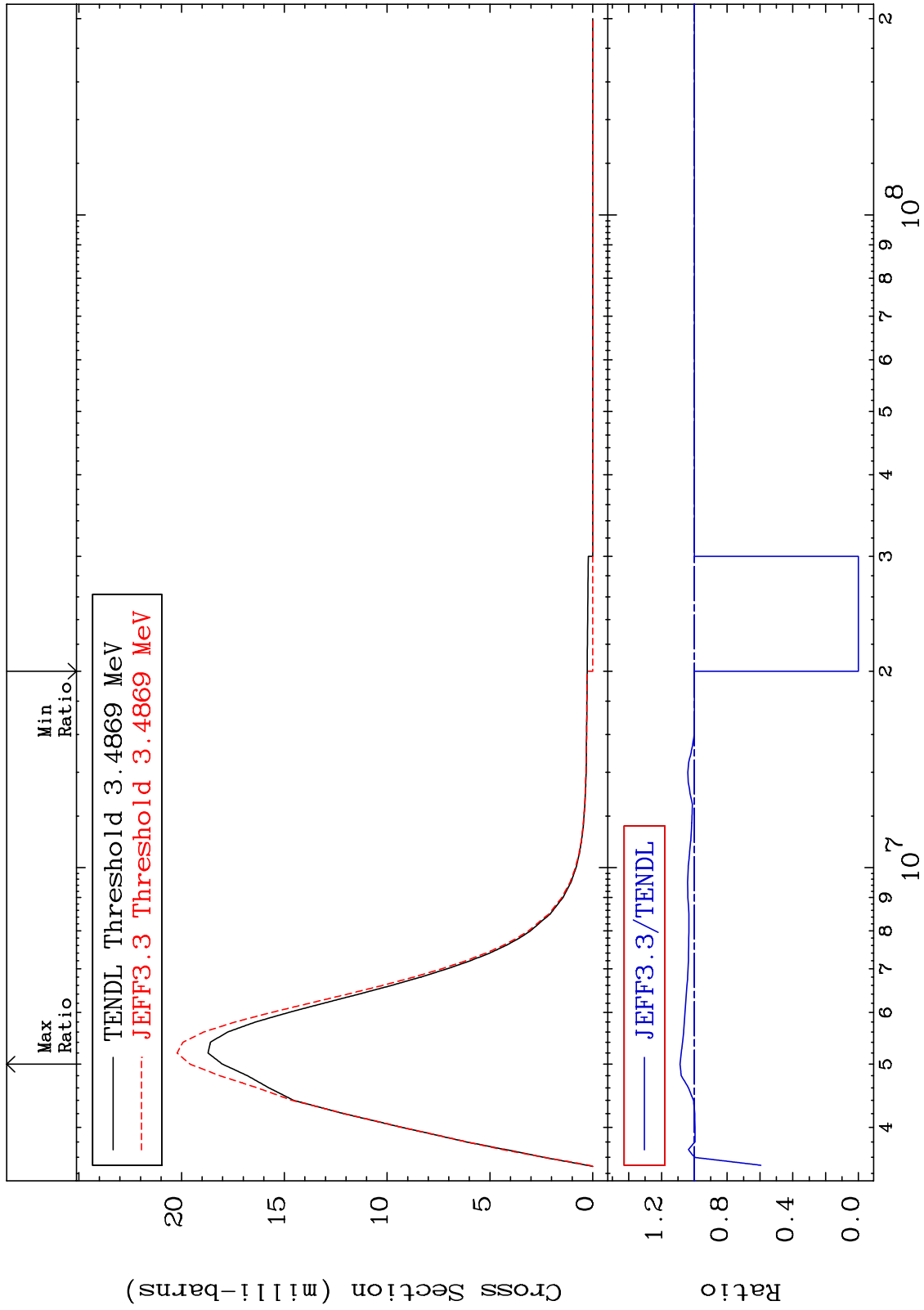




MAT 4025

MT= 58 (n,n') Level
Cross Section

40-Zr-90
-100.0 To 8.738 %



15

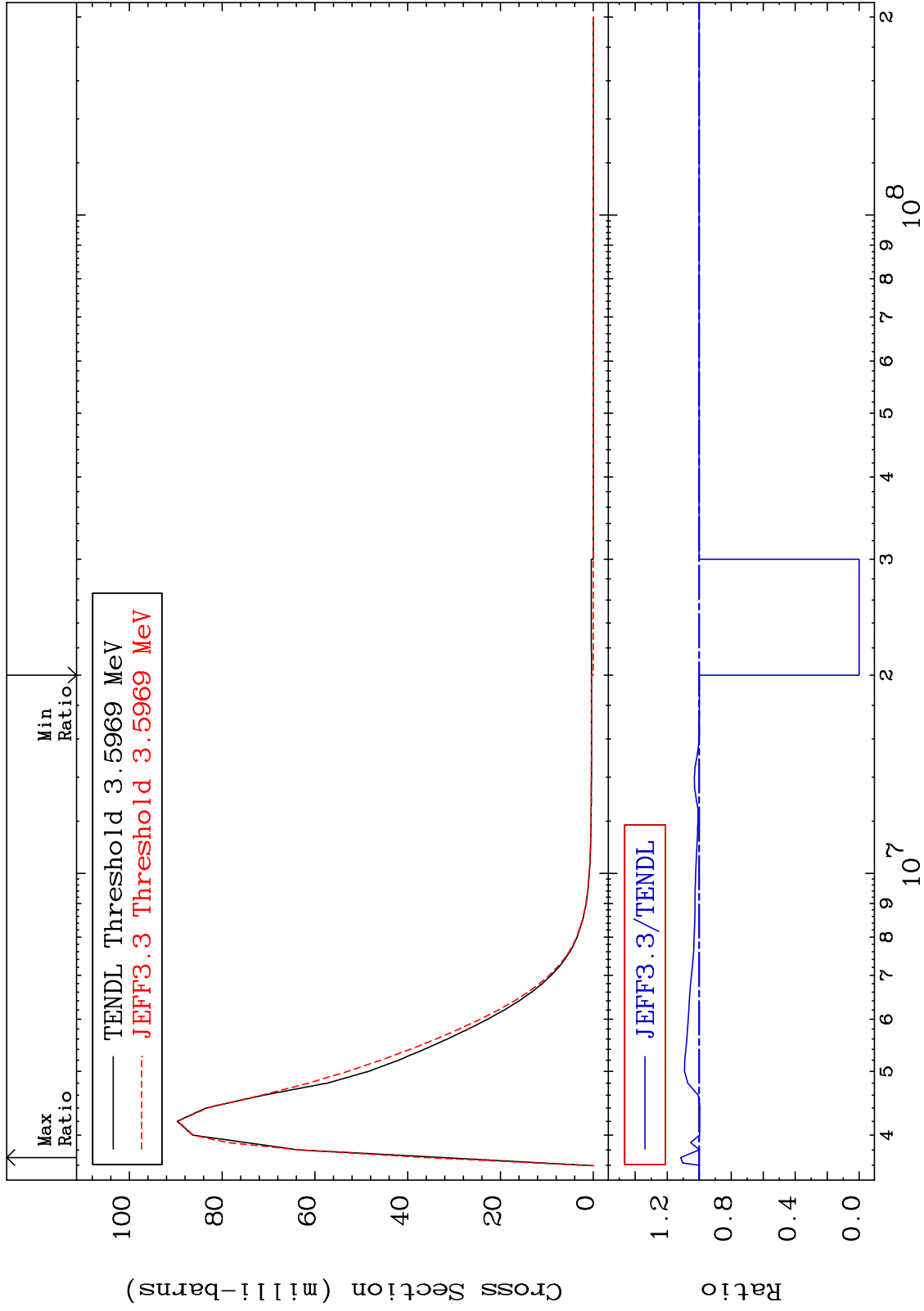
Incident Energy (eV)

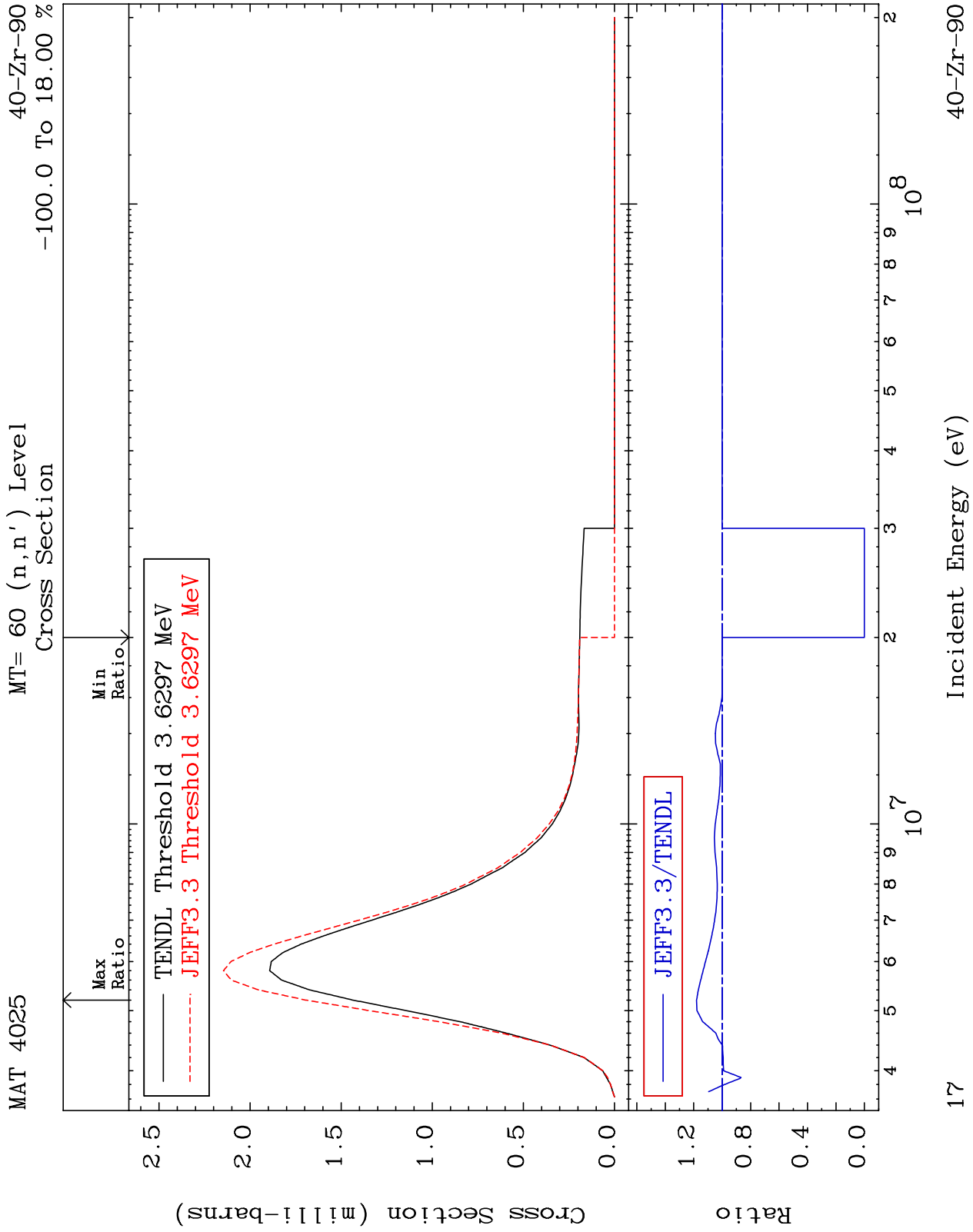
40-Zr-90

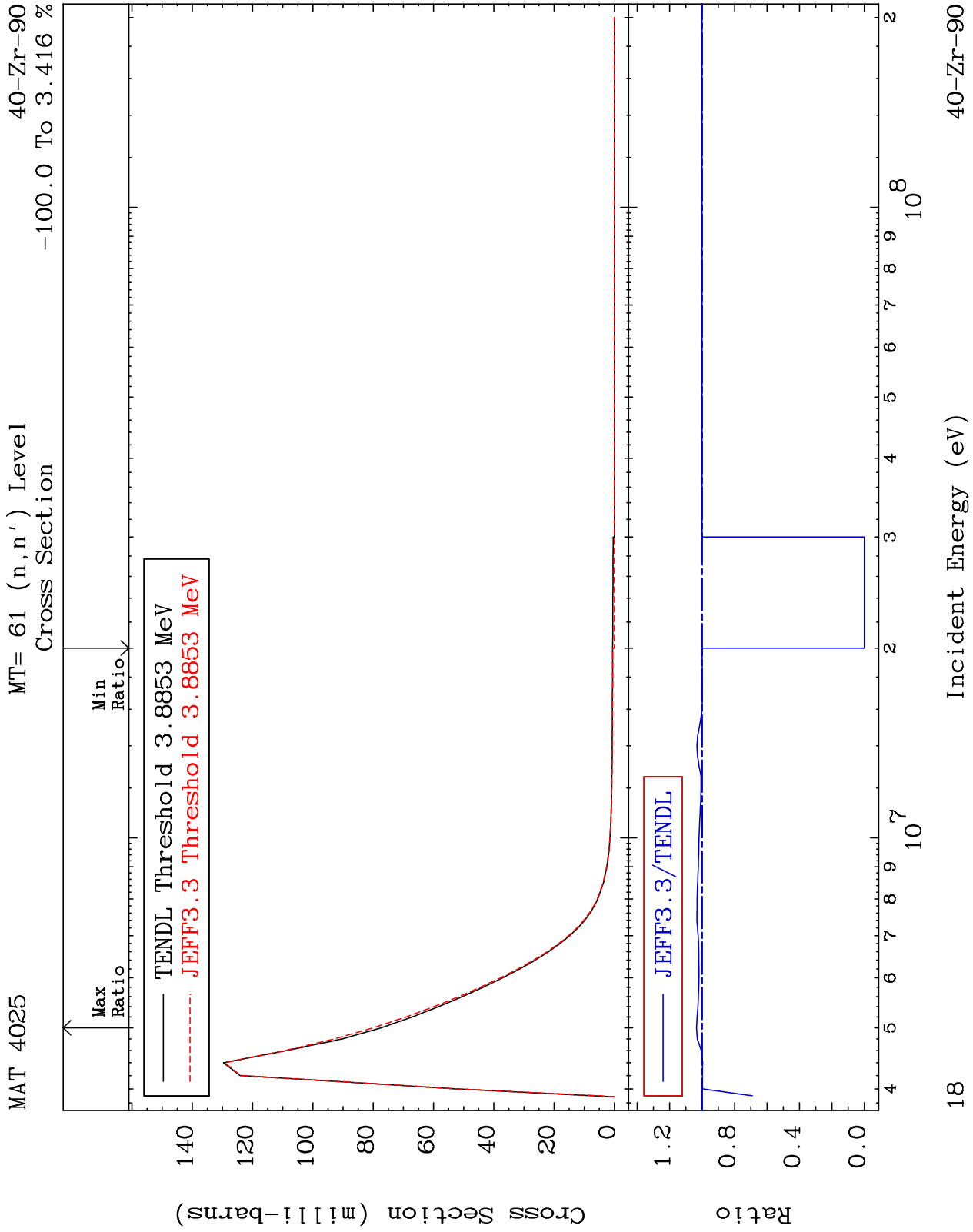
MAT 4025

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

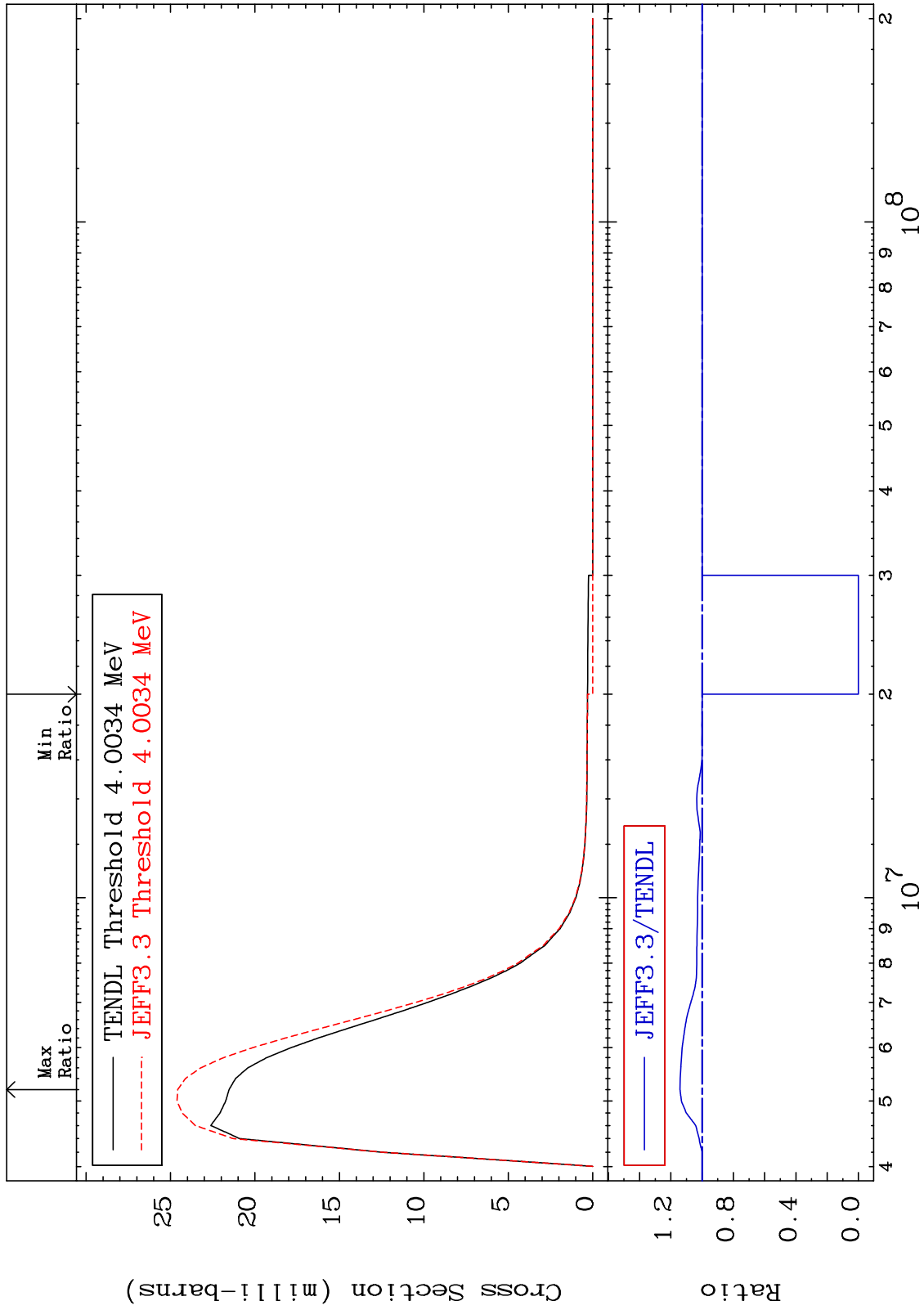
40-Zr-90
-100.0 To 11.63 %







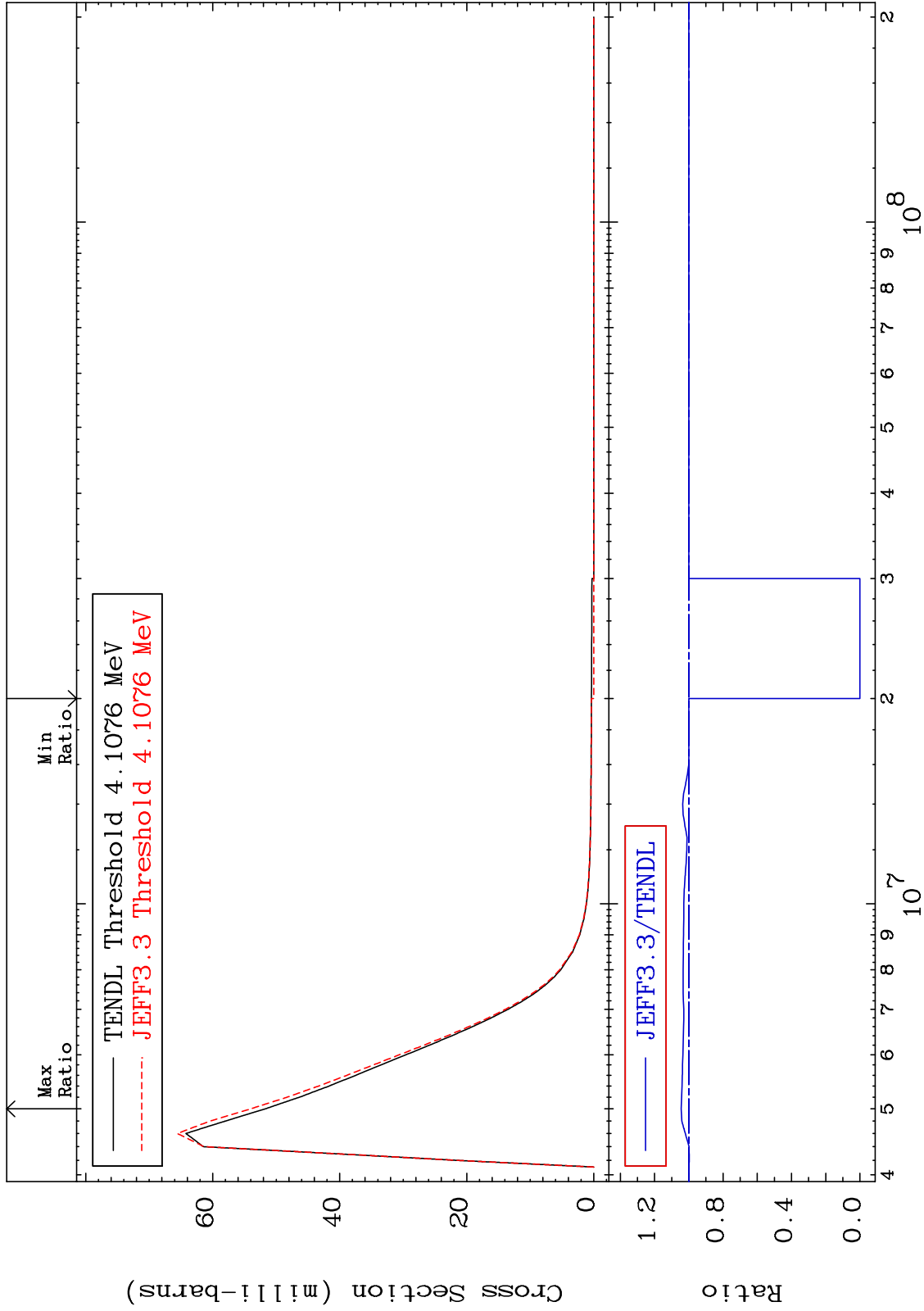
MAT 4025 MT= 62 (n,n') Level Cross Section 40-Zr-90
 -100.0 To 14.12 %

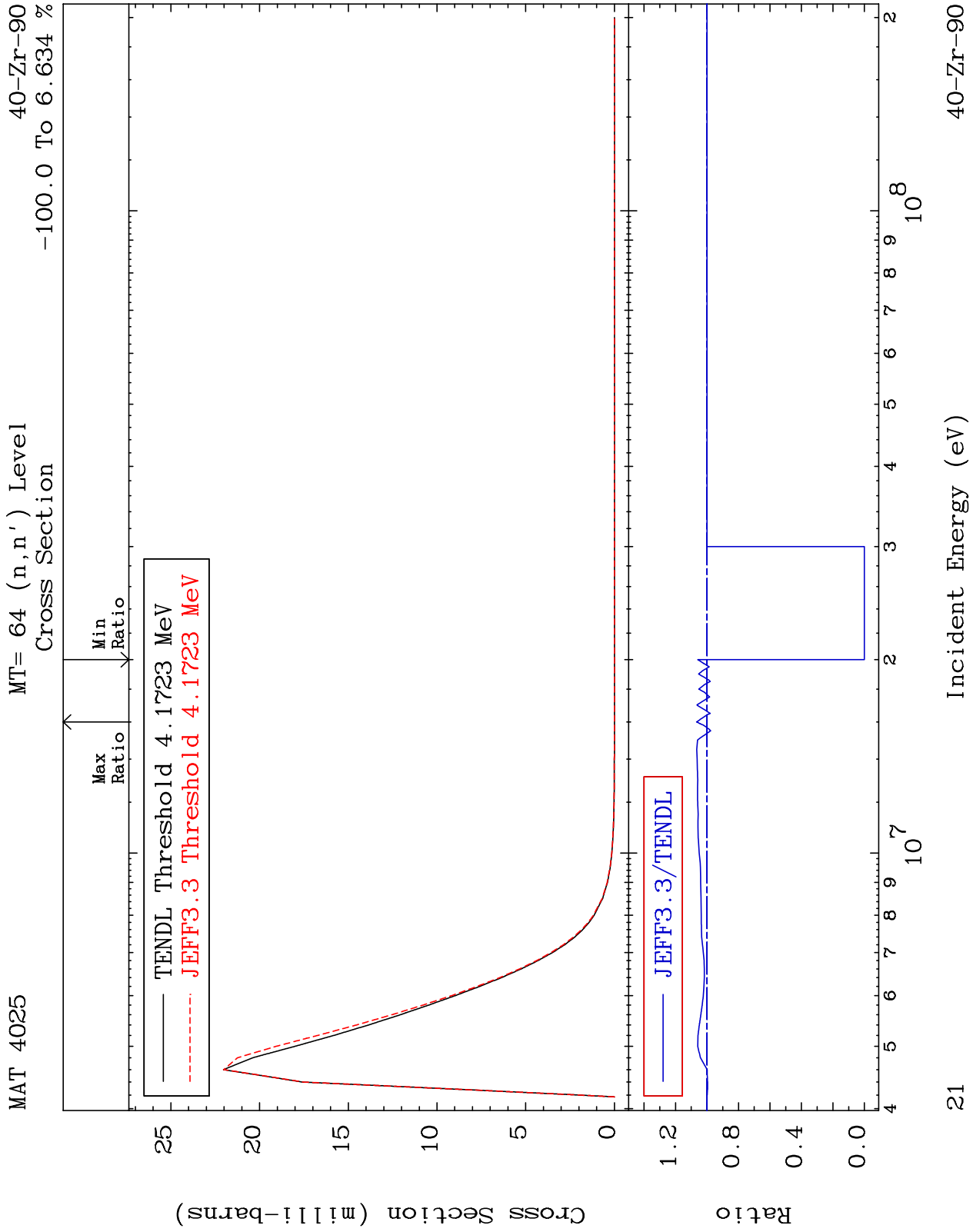


MAT 4025

MT= 63 (n,n') Level
Cross Section

40-Zr-90
-100.0 To 4.441 %

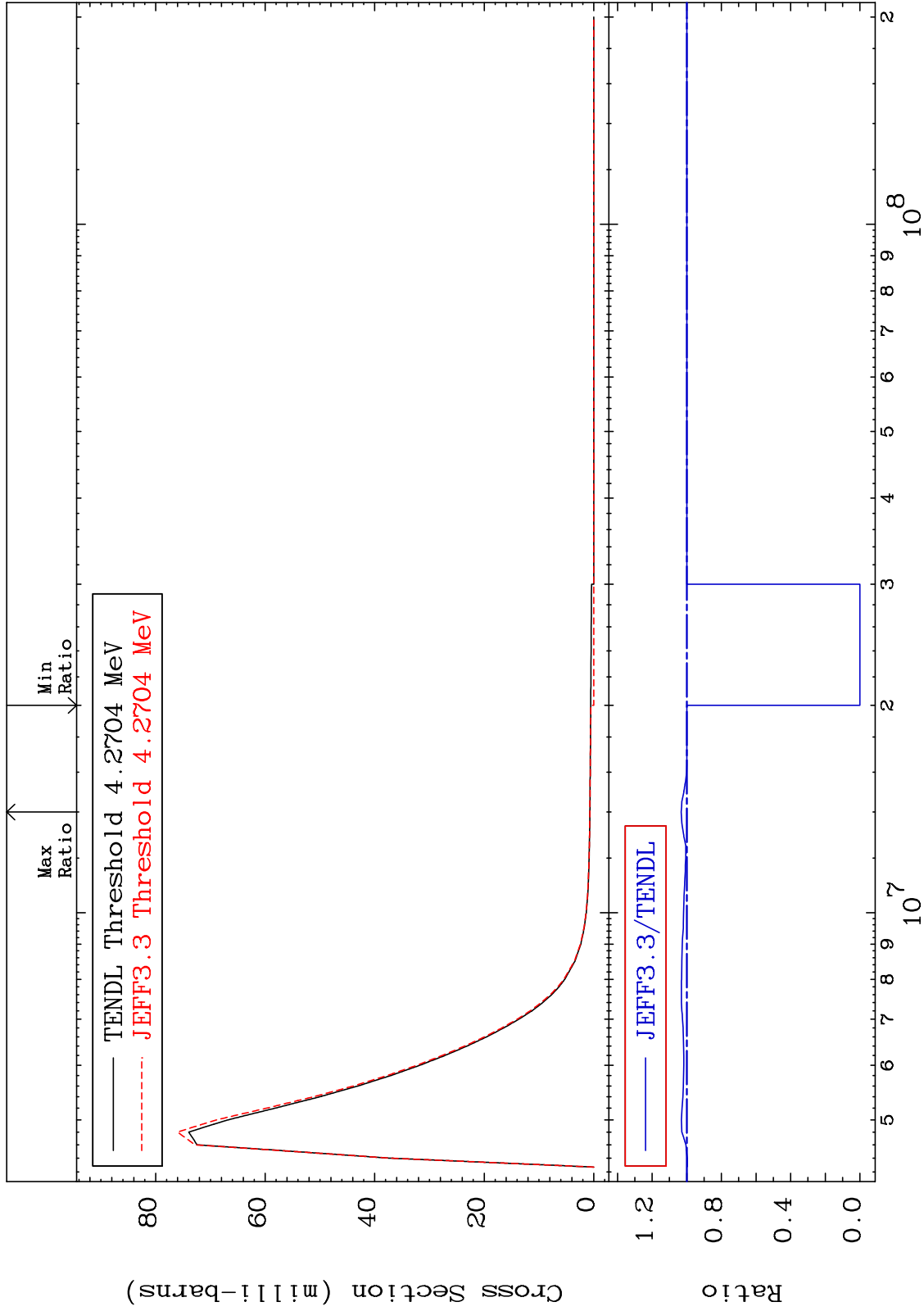




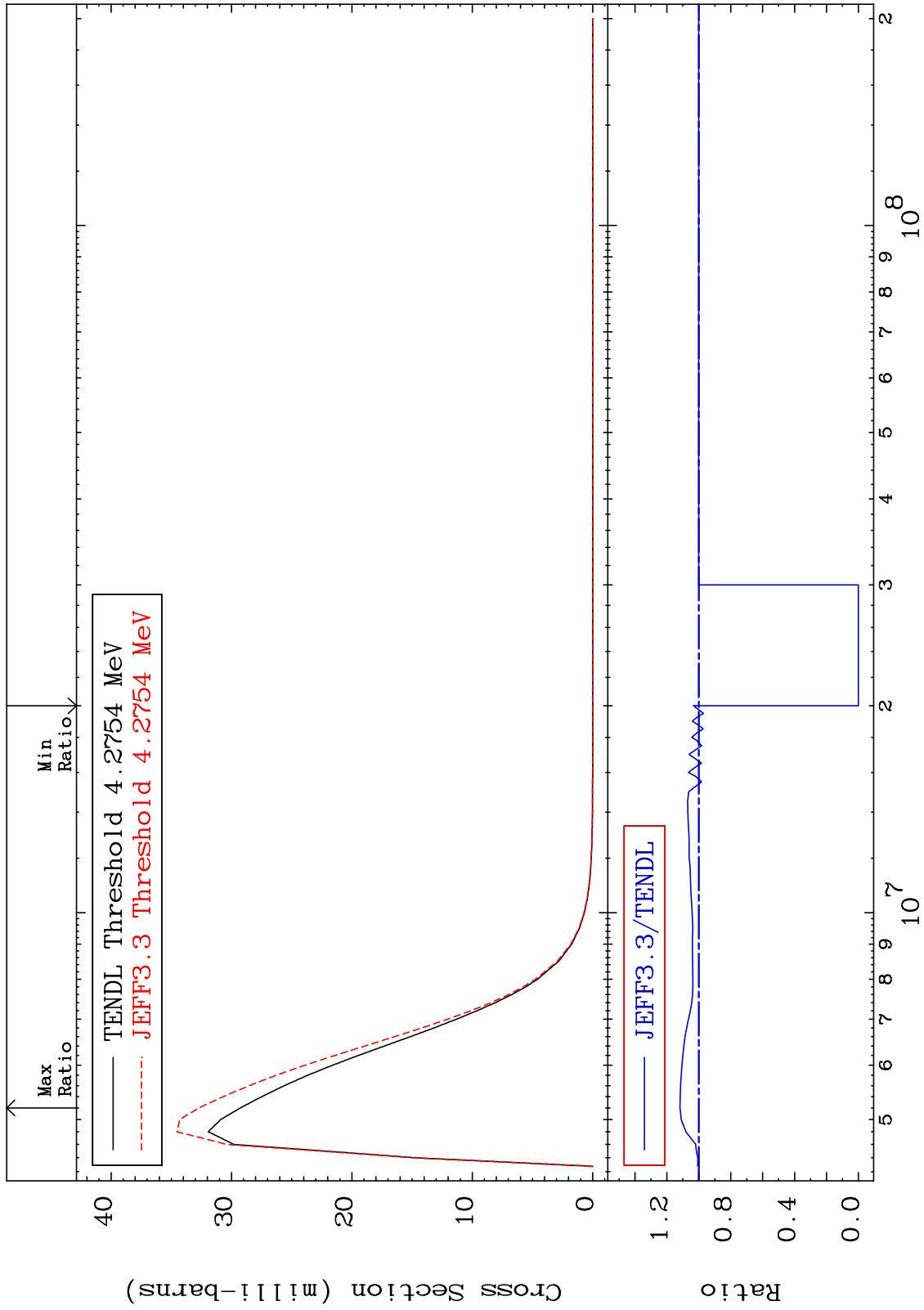
MAT 4025

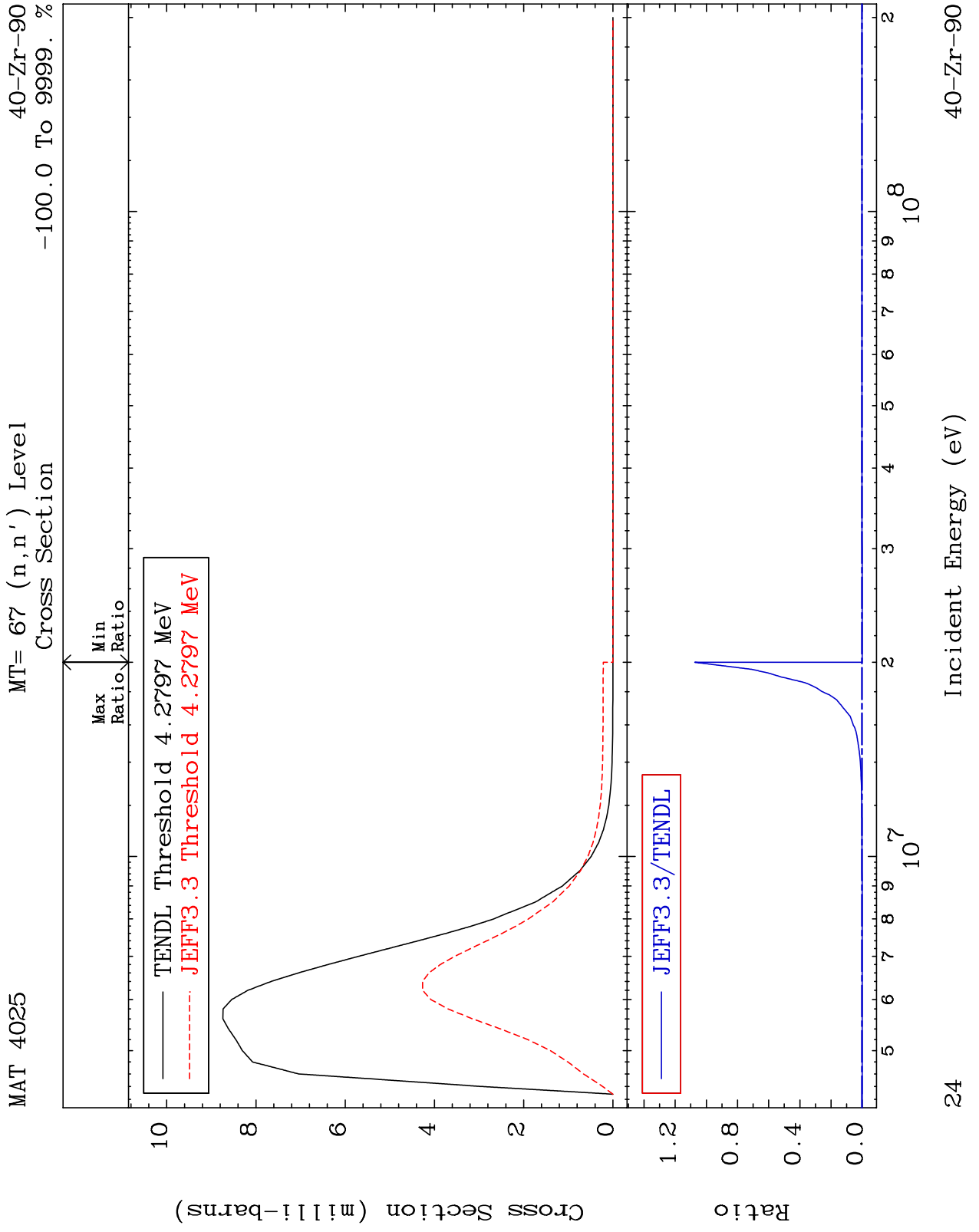
MT= 65 (n,n') Level
Cross Section

40-Zr-90
-100.0 To 3.202 %



MAT 4025 MT= 66 (n,n') Level 40-Zr-90
 Cross Section -100.0 To 11.78 %

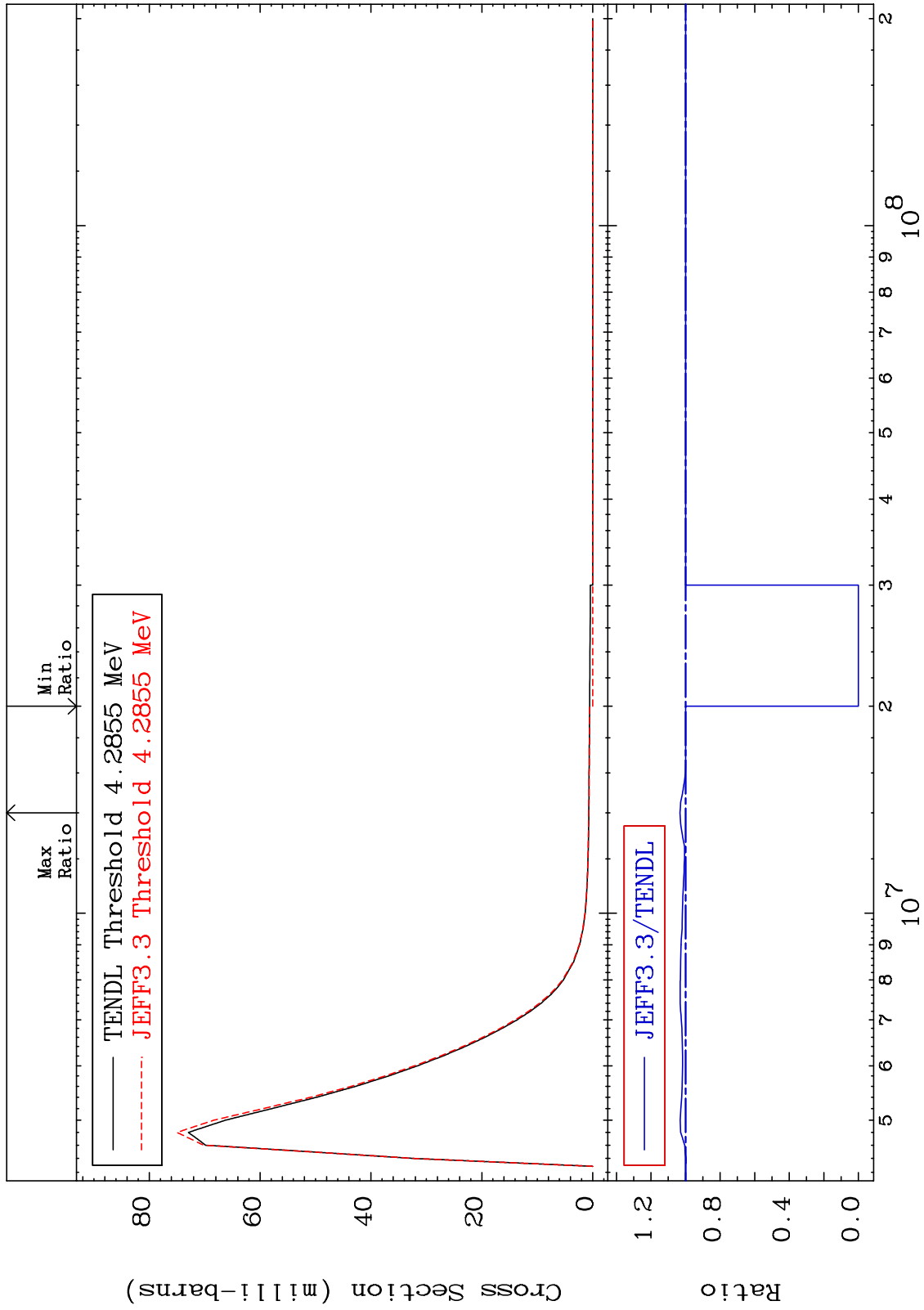




MAT 4025

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

40-Zr-90
-100.0 To 3.203 %

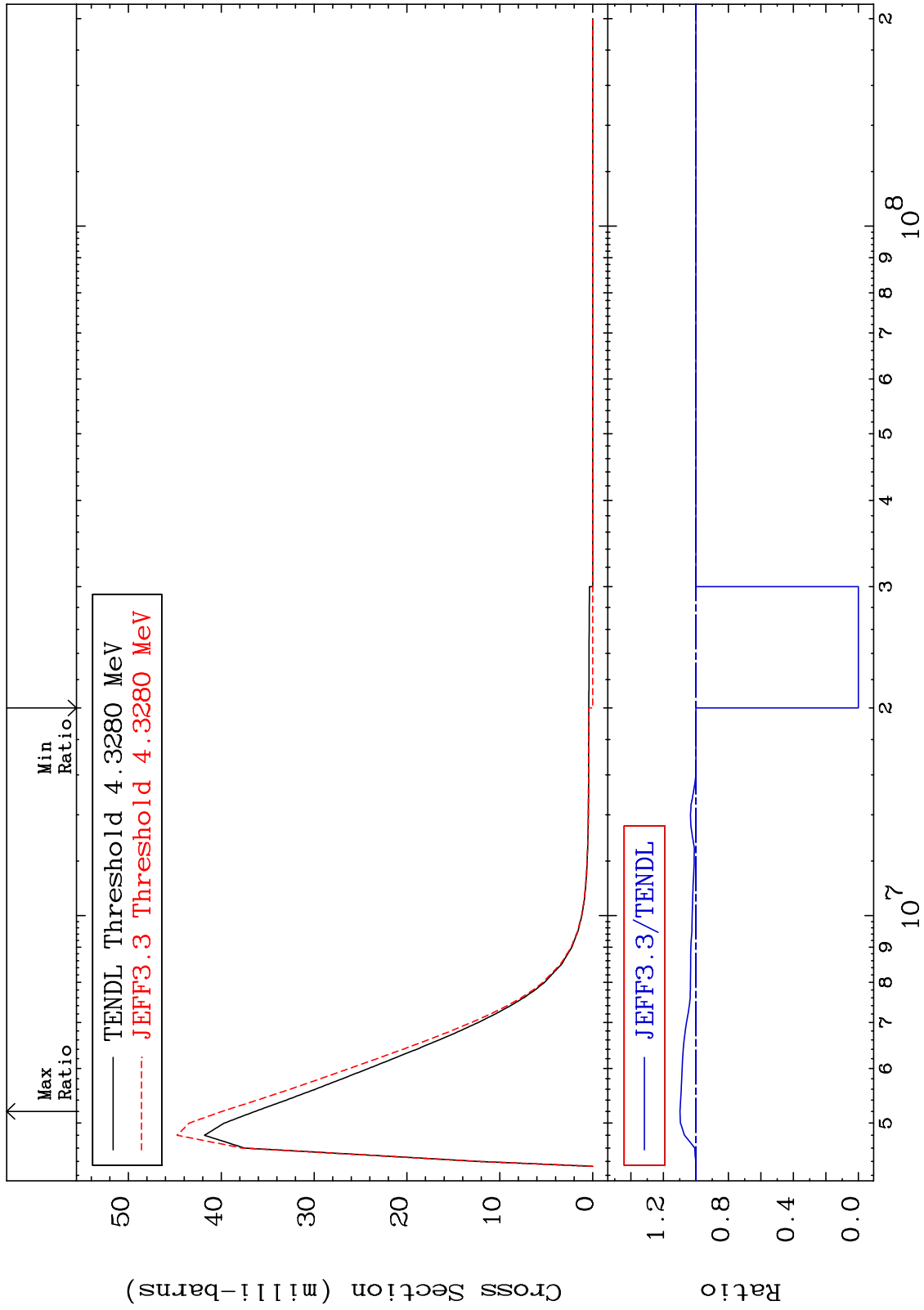


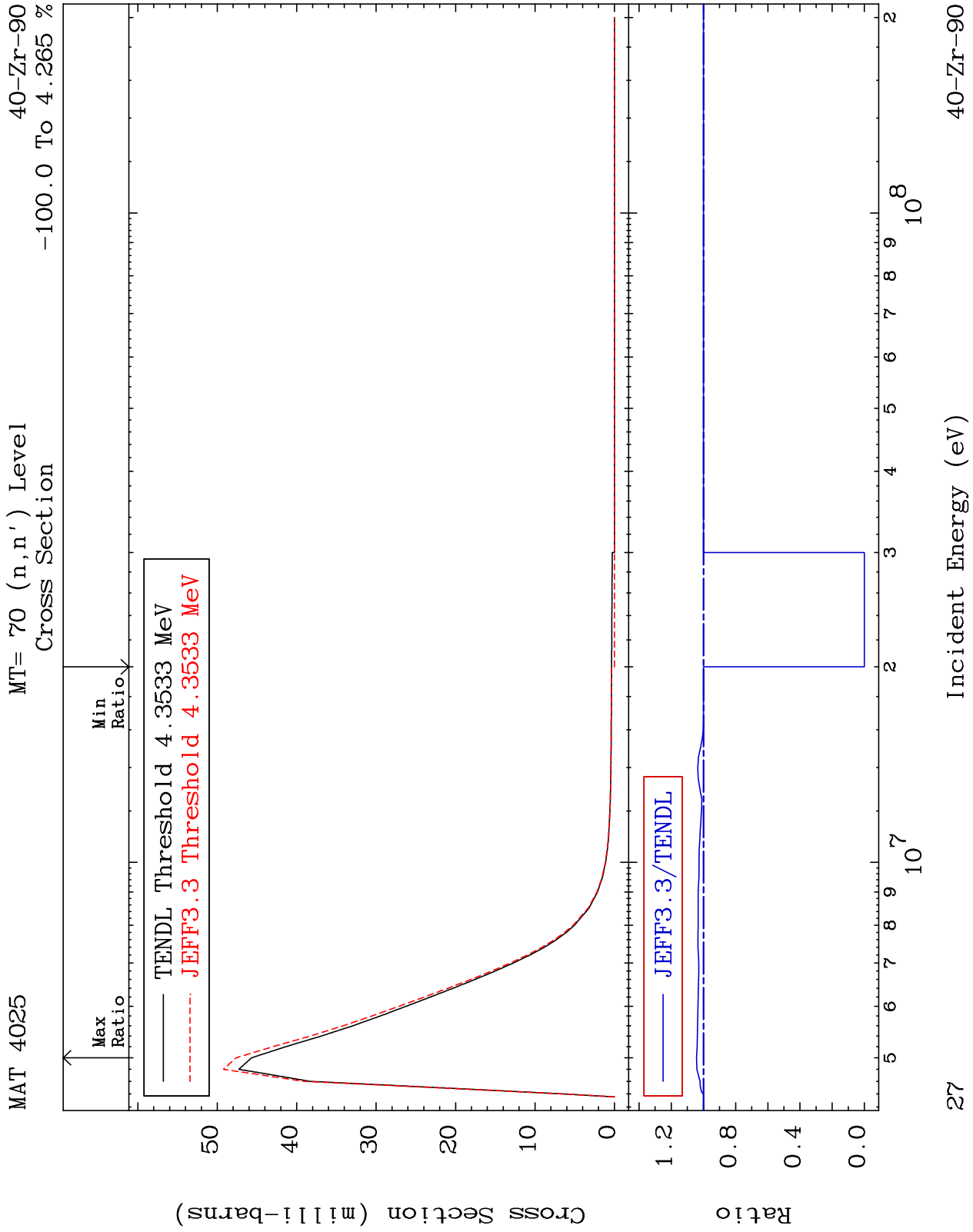
25

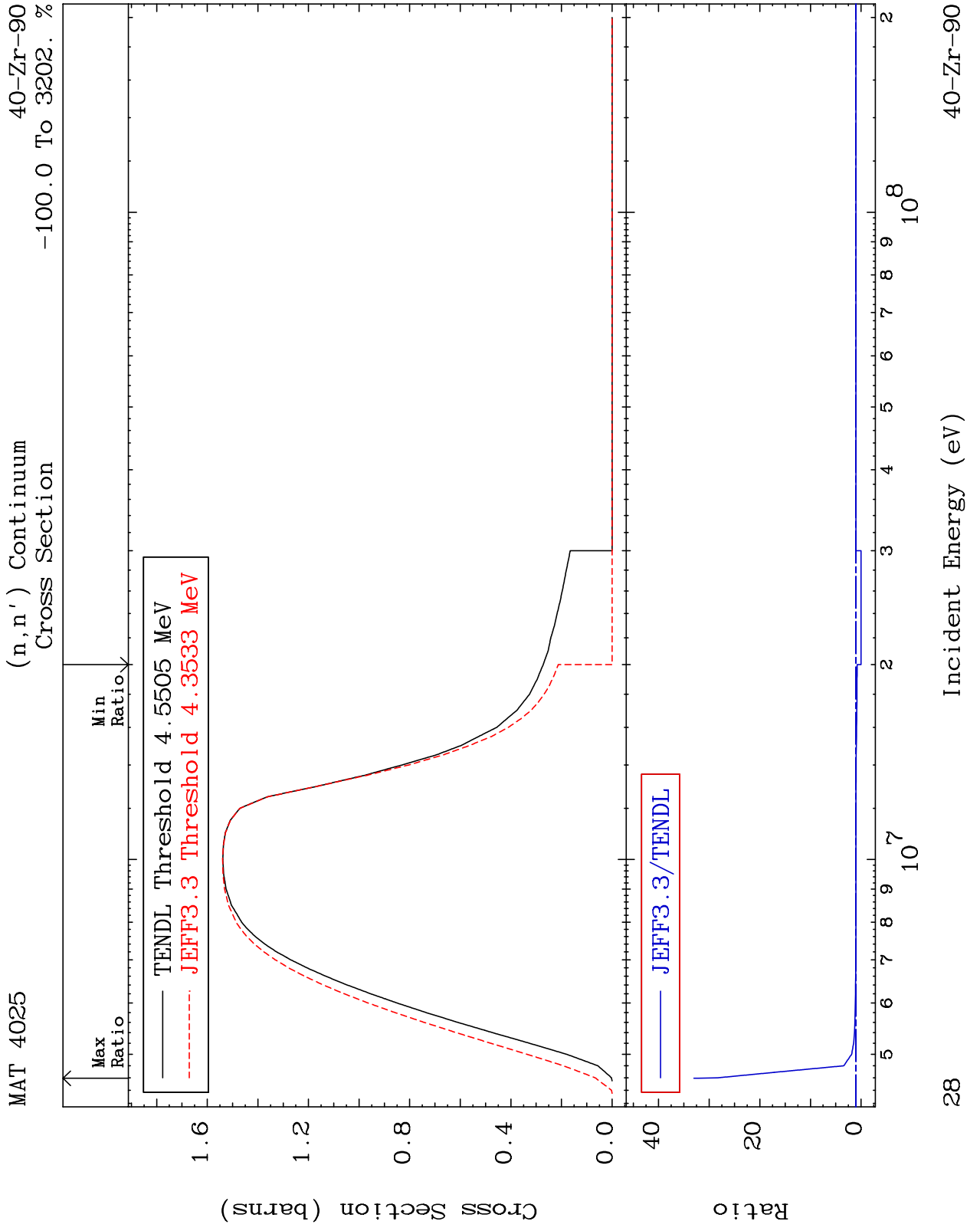
Incident Energy (eV)

40-Zr-90

MAT 4025 MT= 69 (n,n') Level Cross Section 40-Zr-90
 -100.0 To 9.798 %







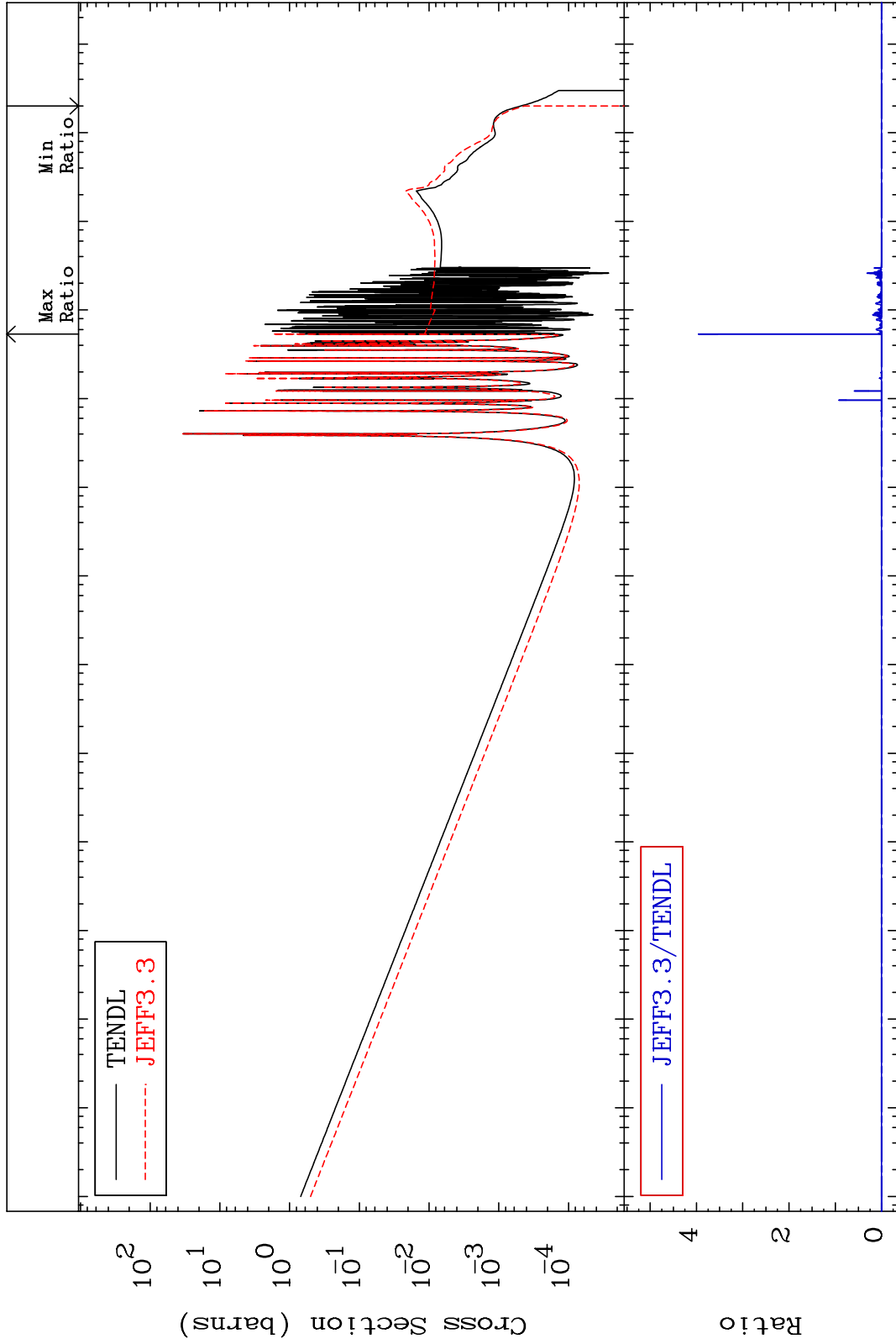
MAT 4025

40-Zr-90

(n, γ)

Cross Section

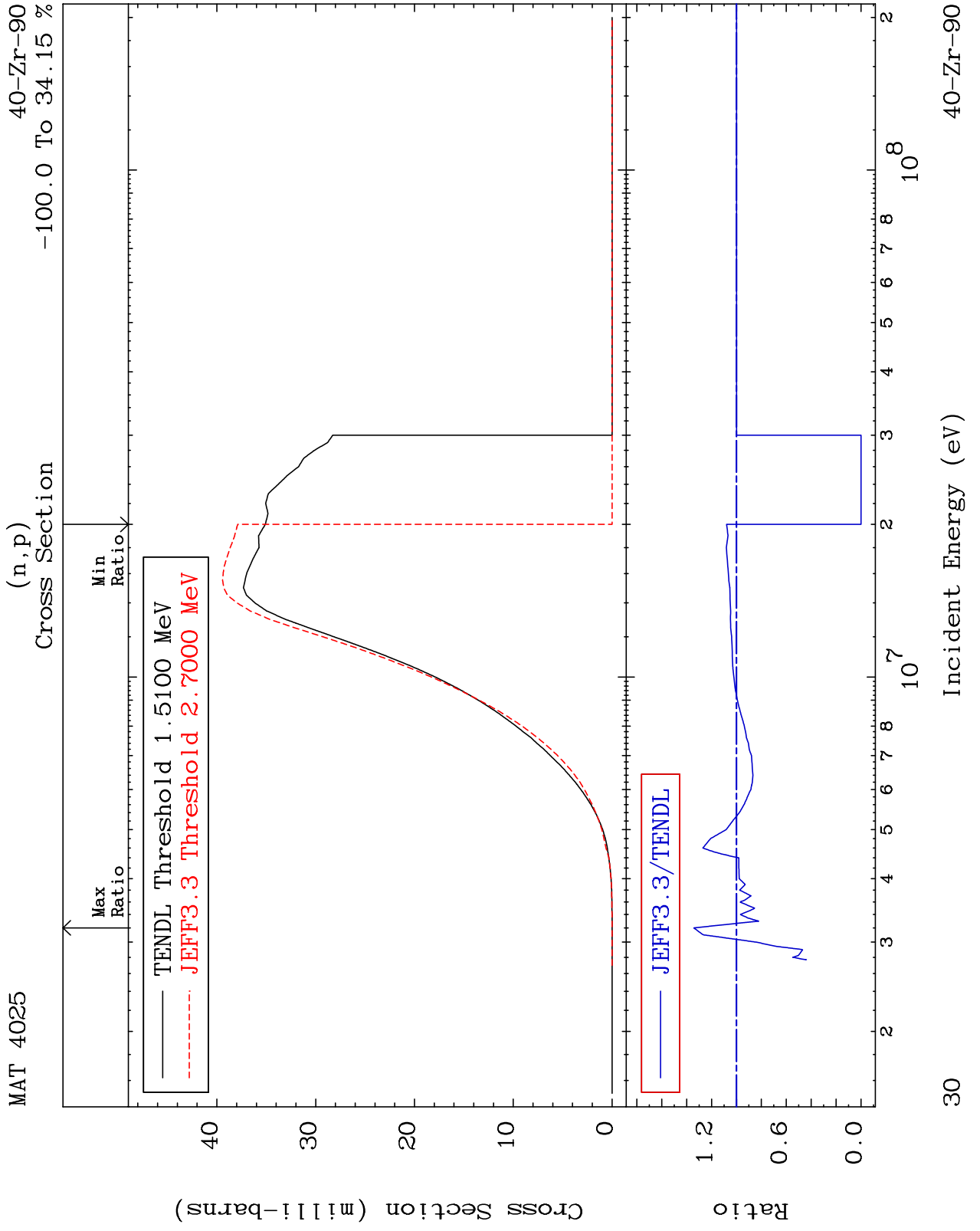
-100.0 To 9999. %

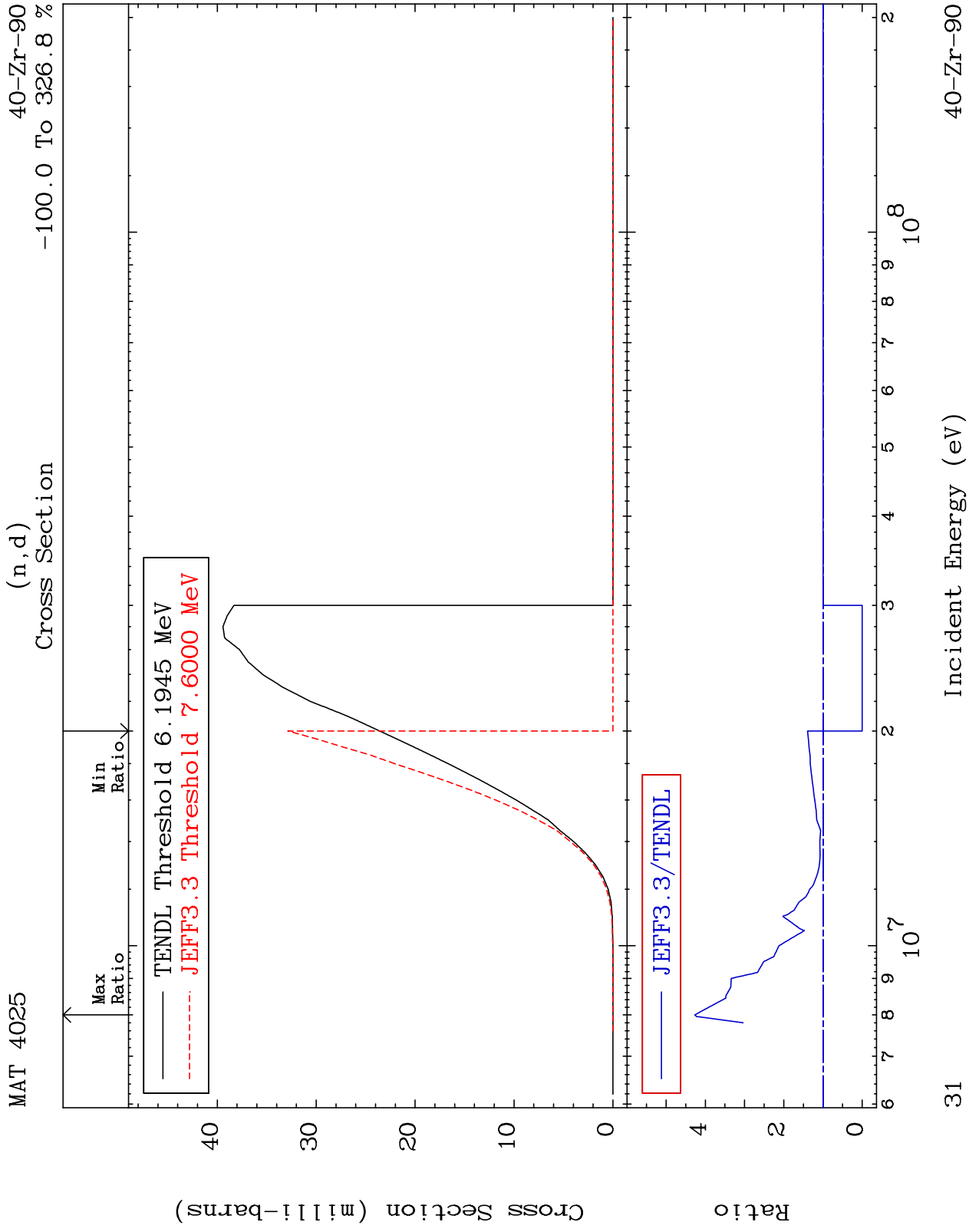


Incident Energy (eV)

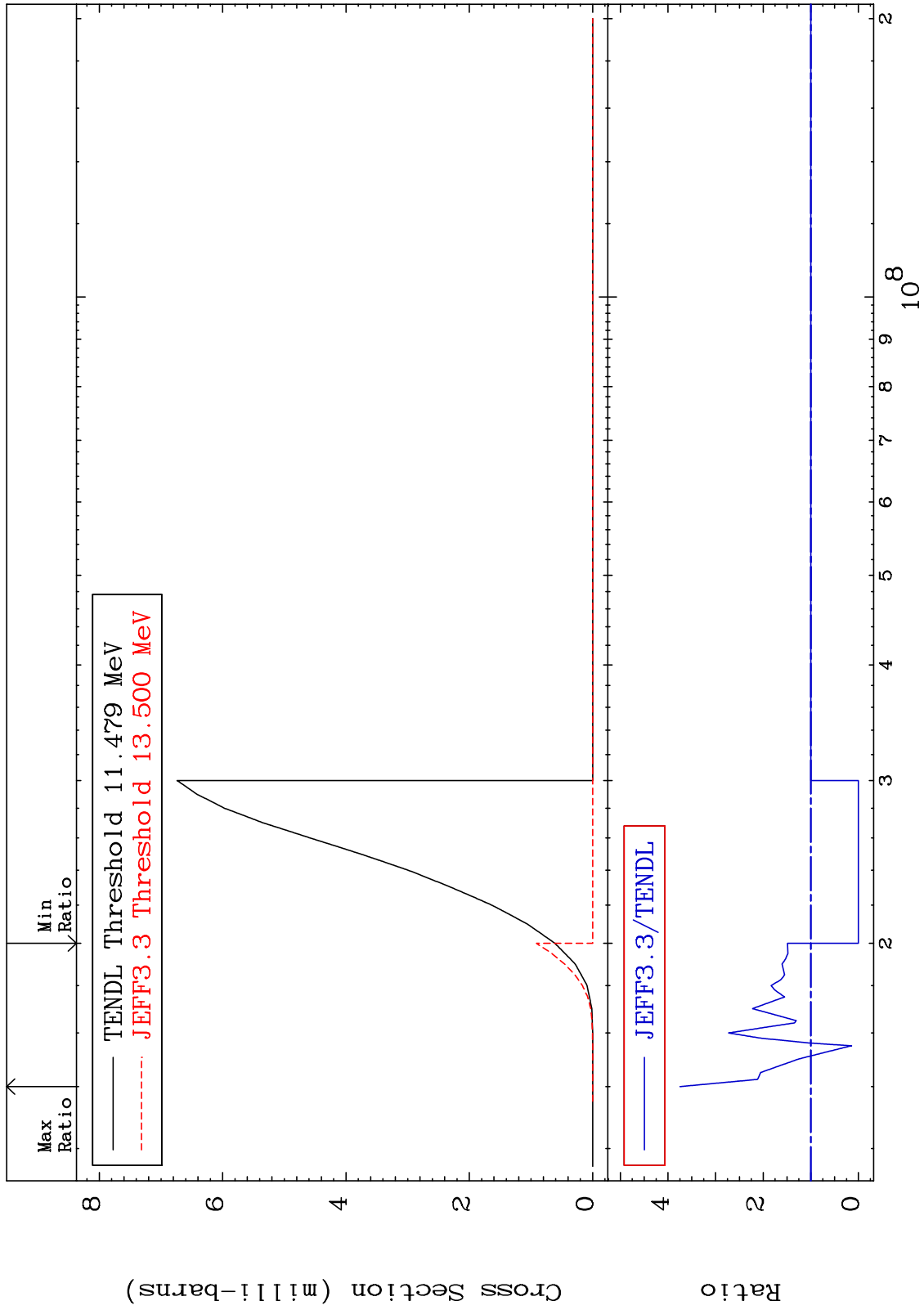
29

40-Zr-90





MAT 4025 (n, t) Cross Section 40-Zr-90 -100.0 To 274.7 %



Incident Energy (eV) 40-Zr-90

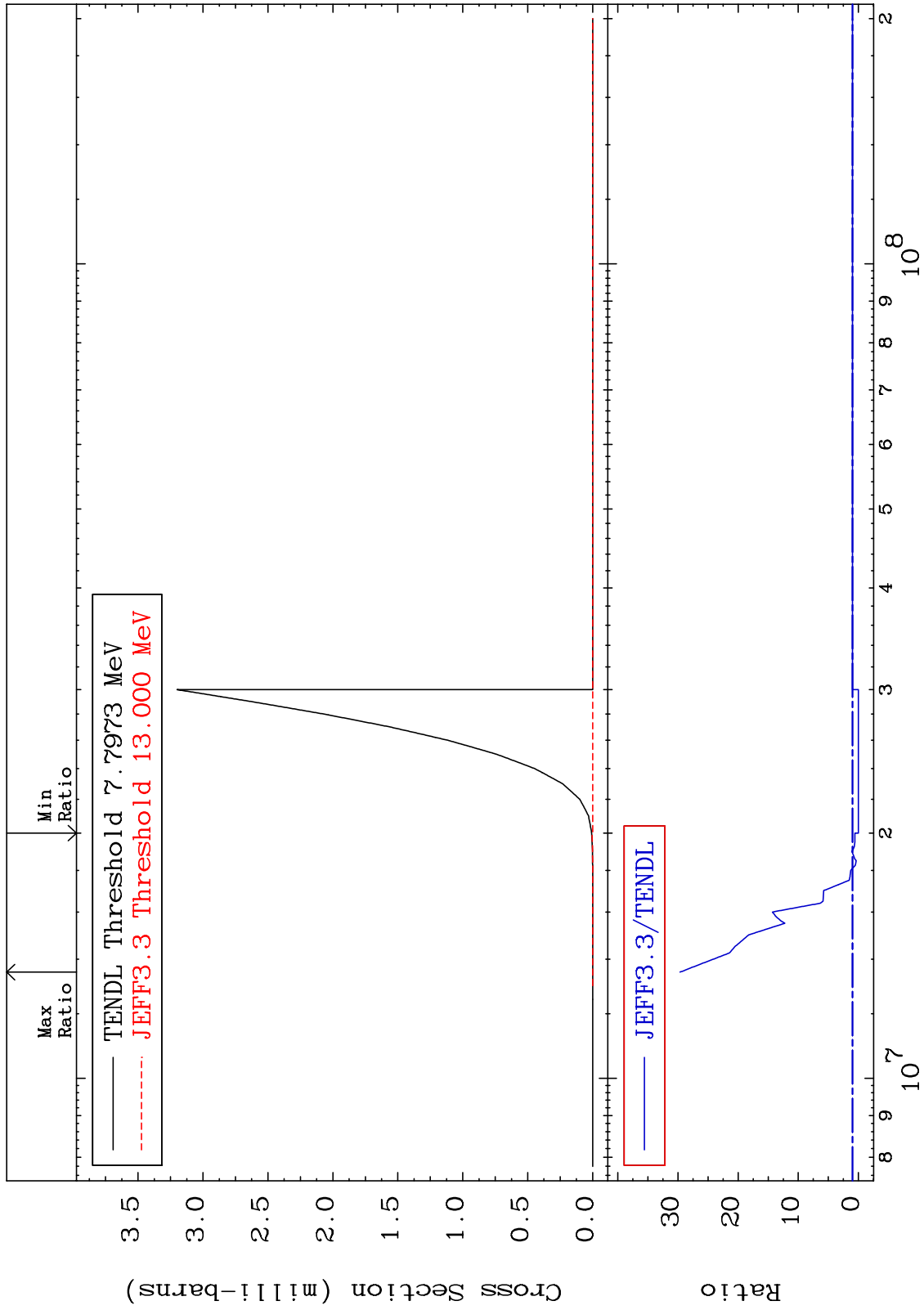
MAT 4025

(n, He-3)

40-Zr-90

Cross Section

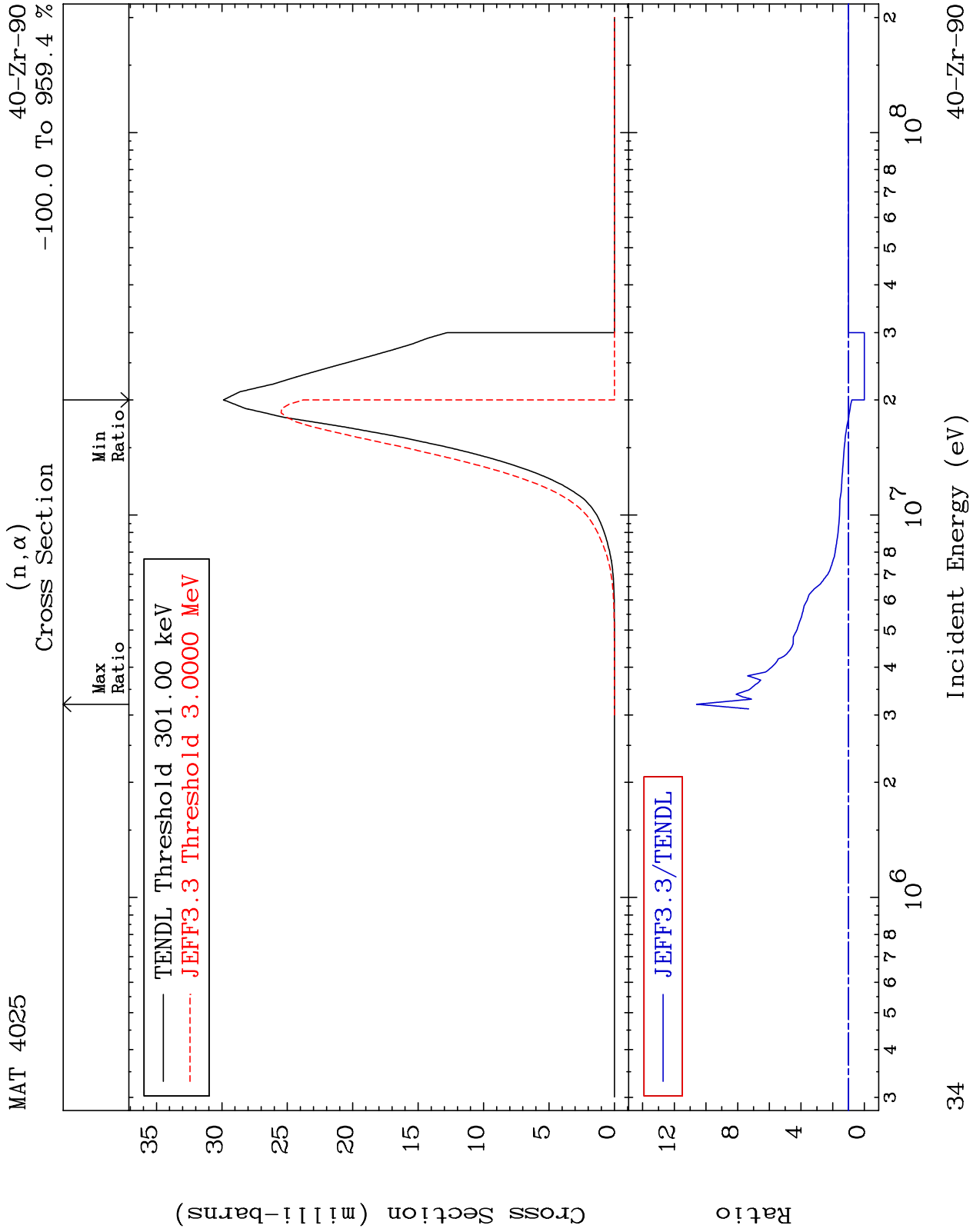
-100.0 To 2866. %



33

Incident Energy (eV)

40-Zr-90



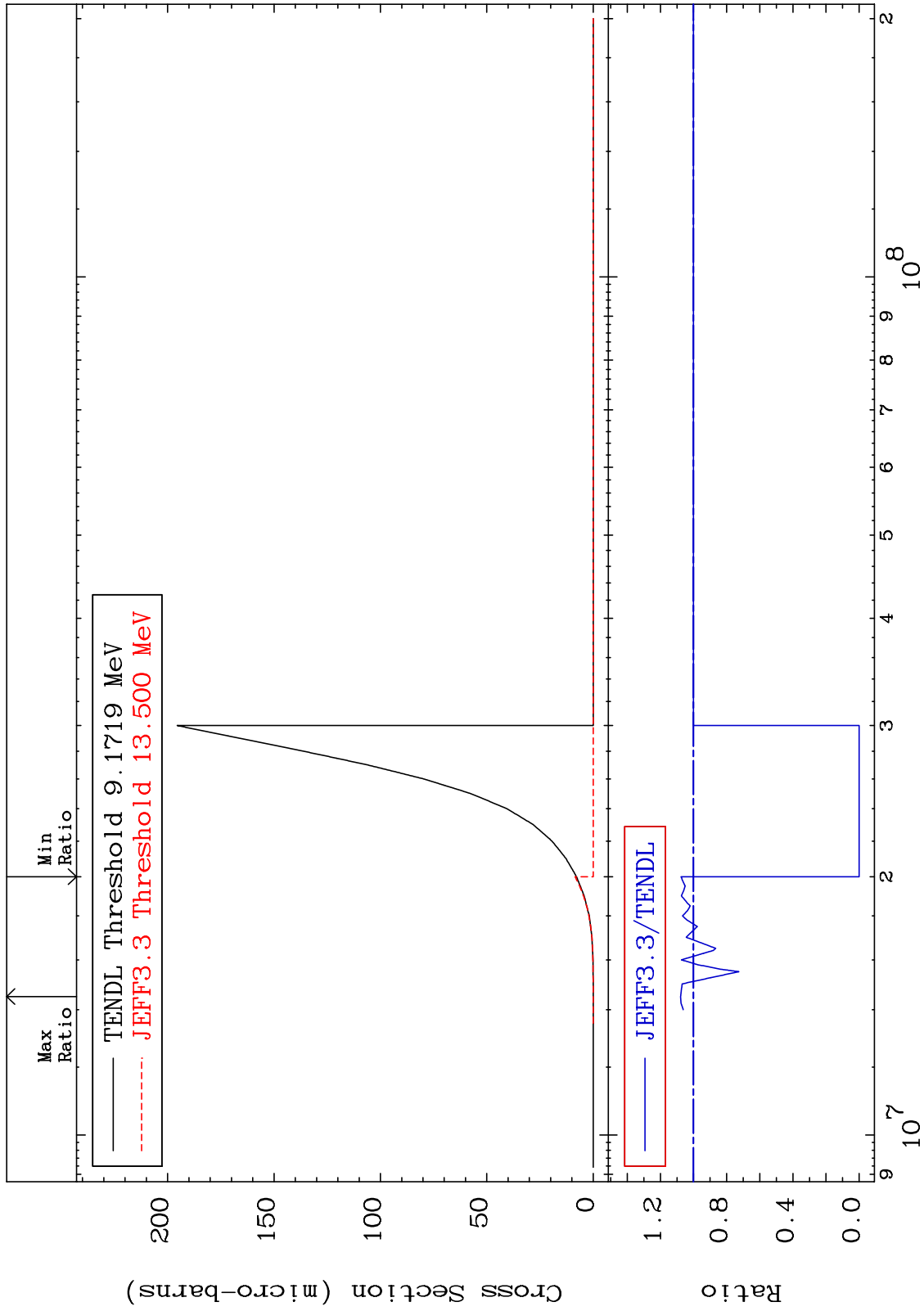
MAT 4025

(n,2p)

40-Zr-90

Cross Section

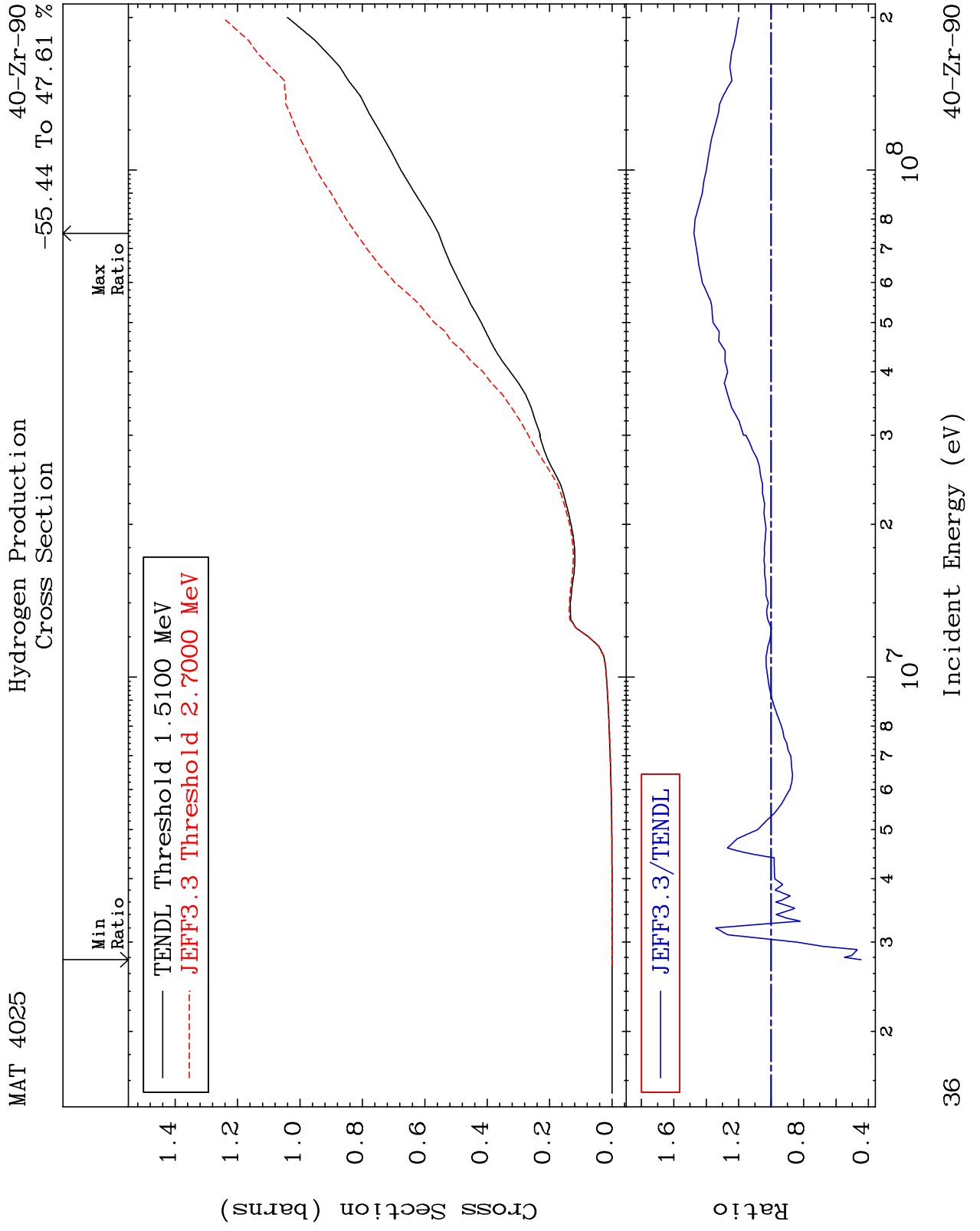
-100.0 To 7.789 %

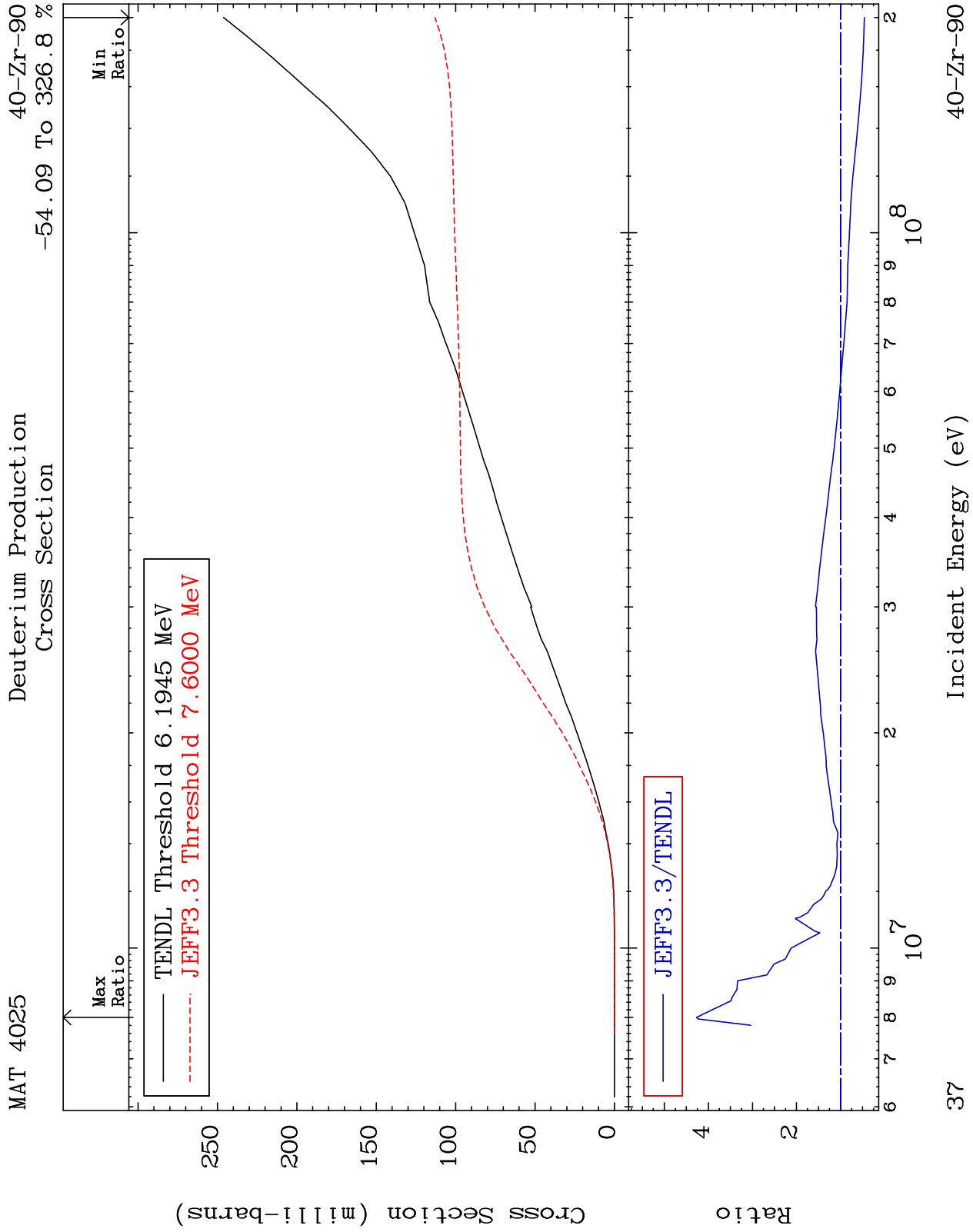


35

Incident Energy (eV)

40-Zr-90

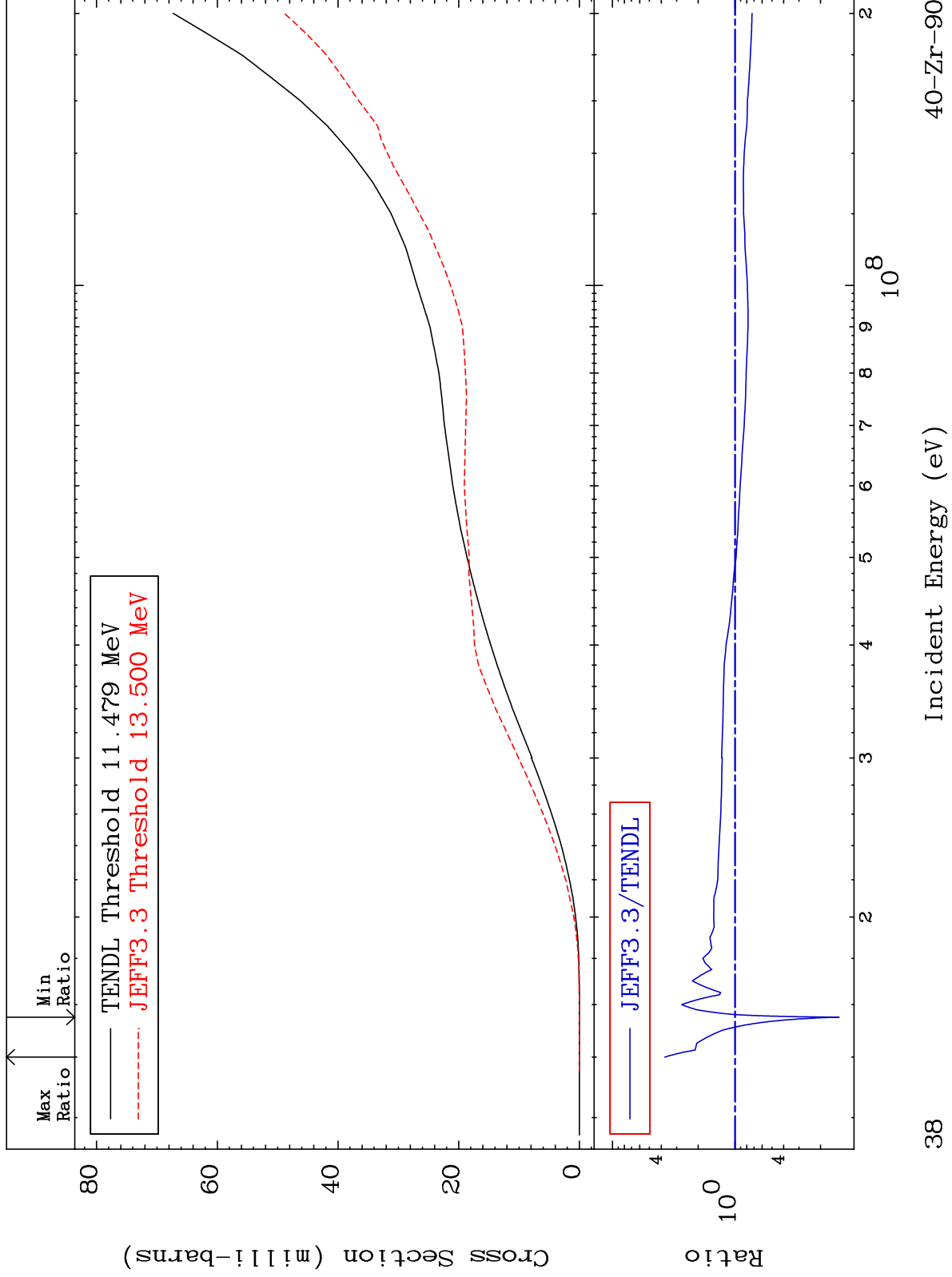




MAT 4025

Tritium Production
Cross Section

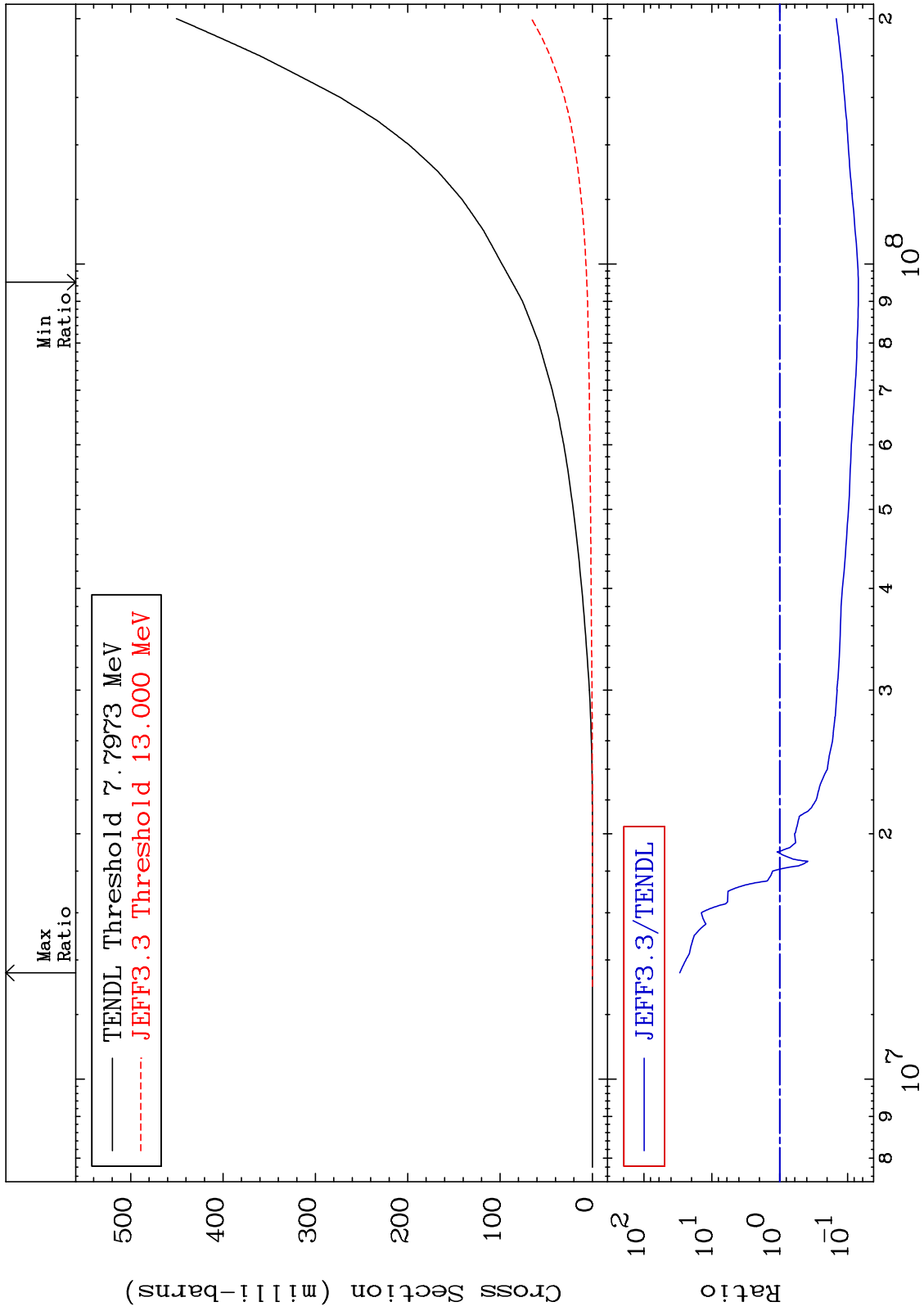
40-Zr-90
-85.88 To 274.7 %



MAT 4025

He-3 Production
Cross Section

40-Zr-90
-93.05 To 2866. %



39

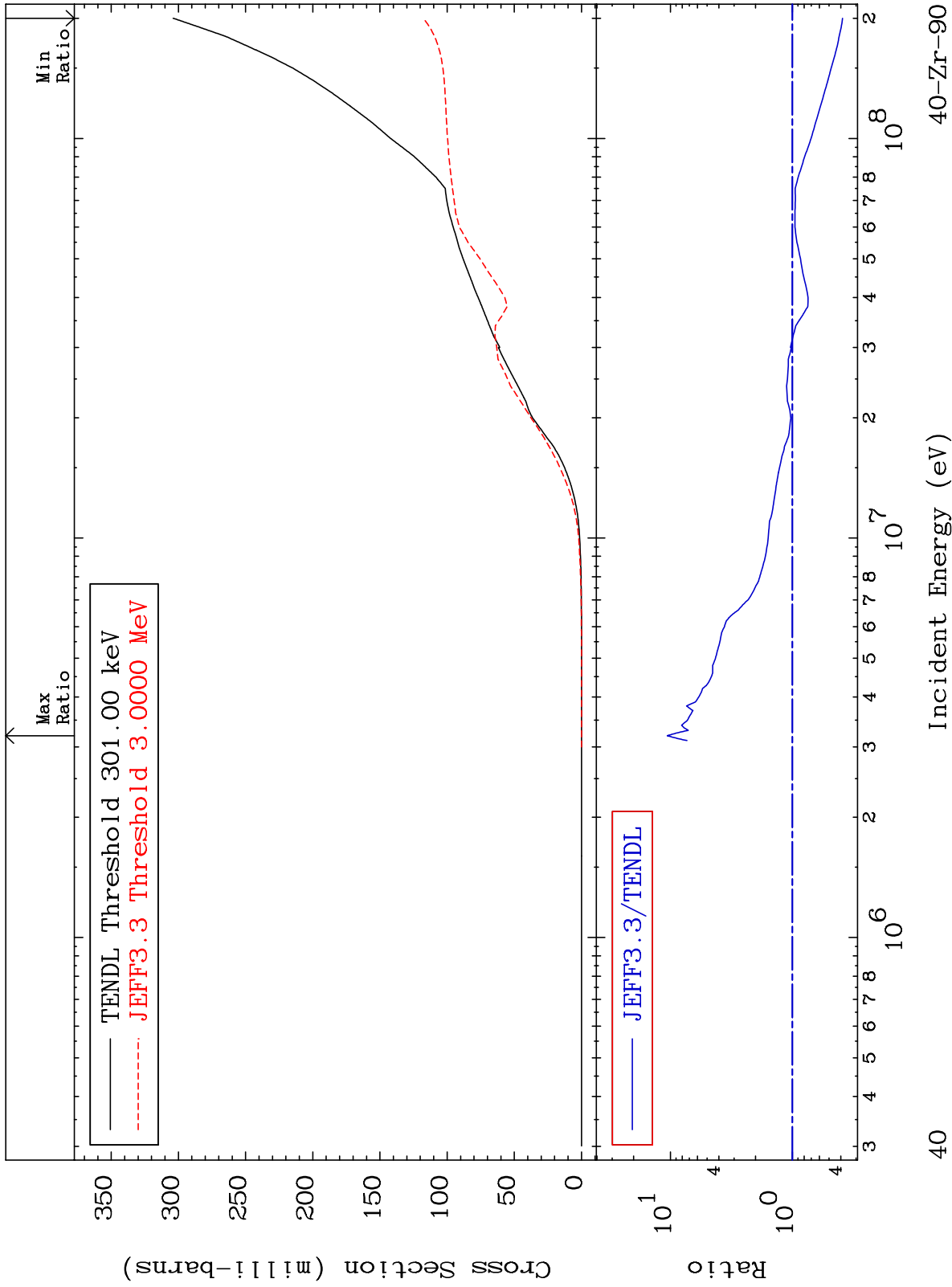
Incident Energy (eV)

40-Zr-90

MAT 4025

He-4 Production
Cross Section

40-Zr-90
-61.28 To 959.4 %



40

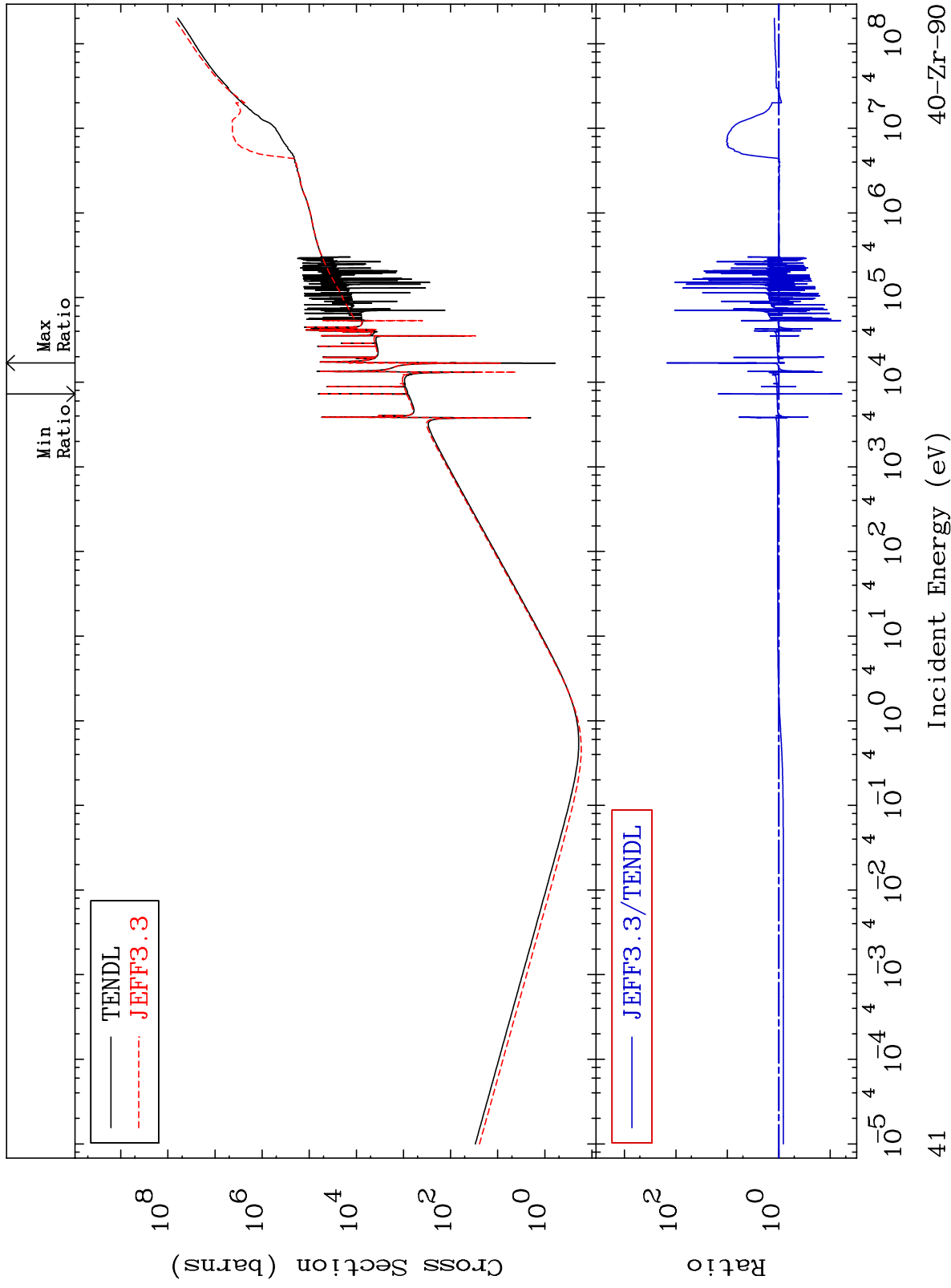
Incident Energy (eV)

40-Zr-90

MAT 4025

Kerma total (eV-barns)
Cross Section

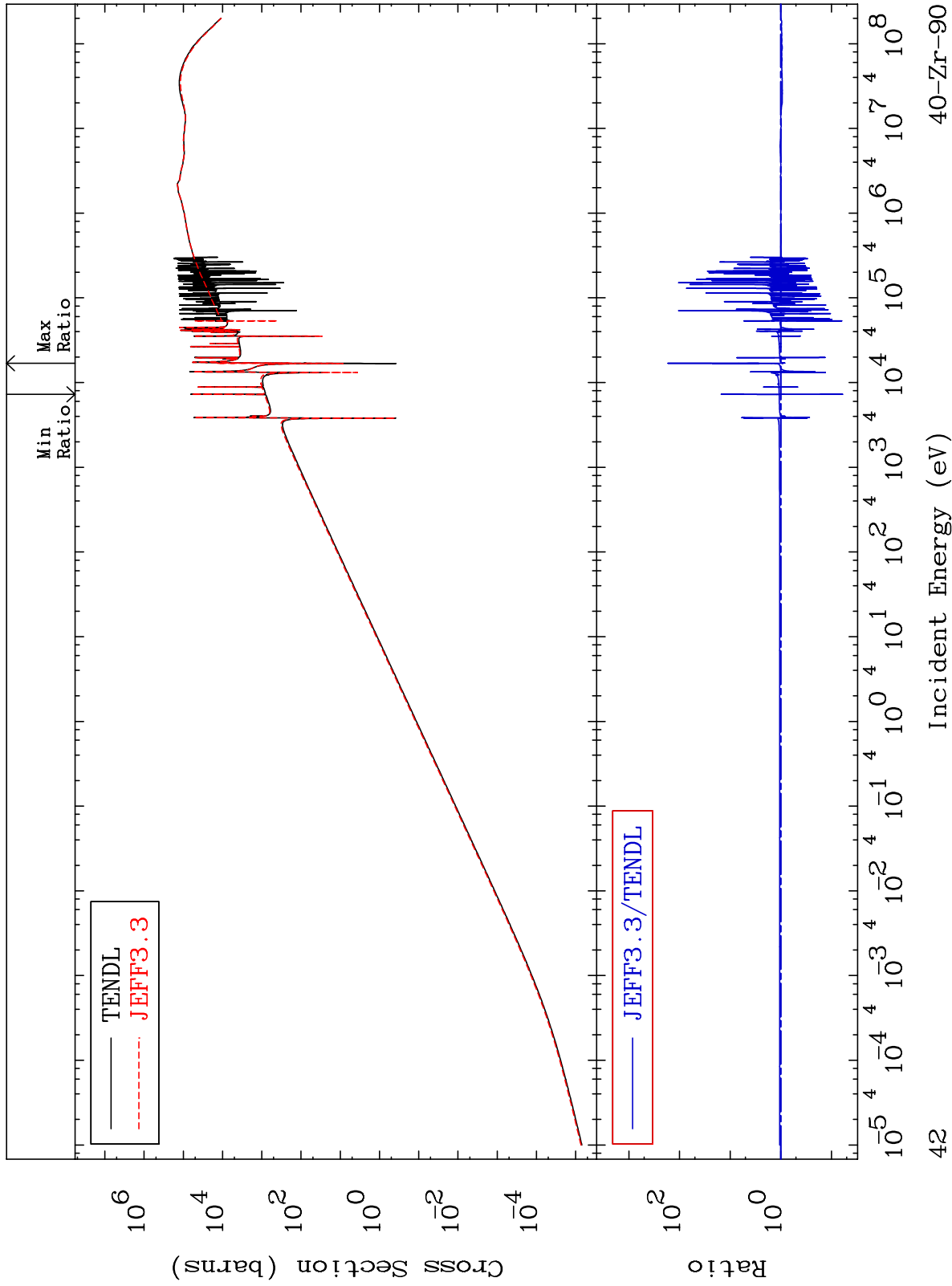
40-Zr-90
-94.03 To 9999. %



MAT 4025

Kerma elastic
Cross Section

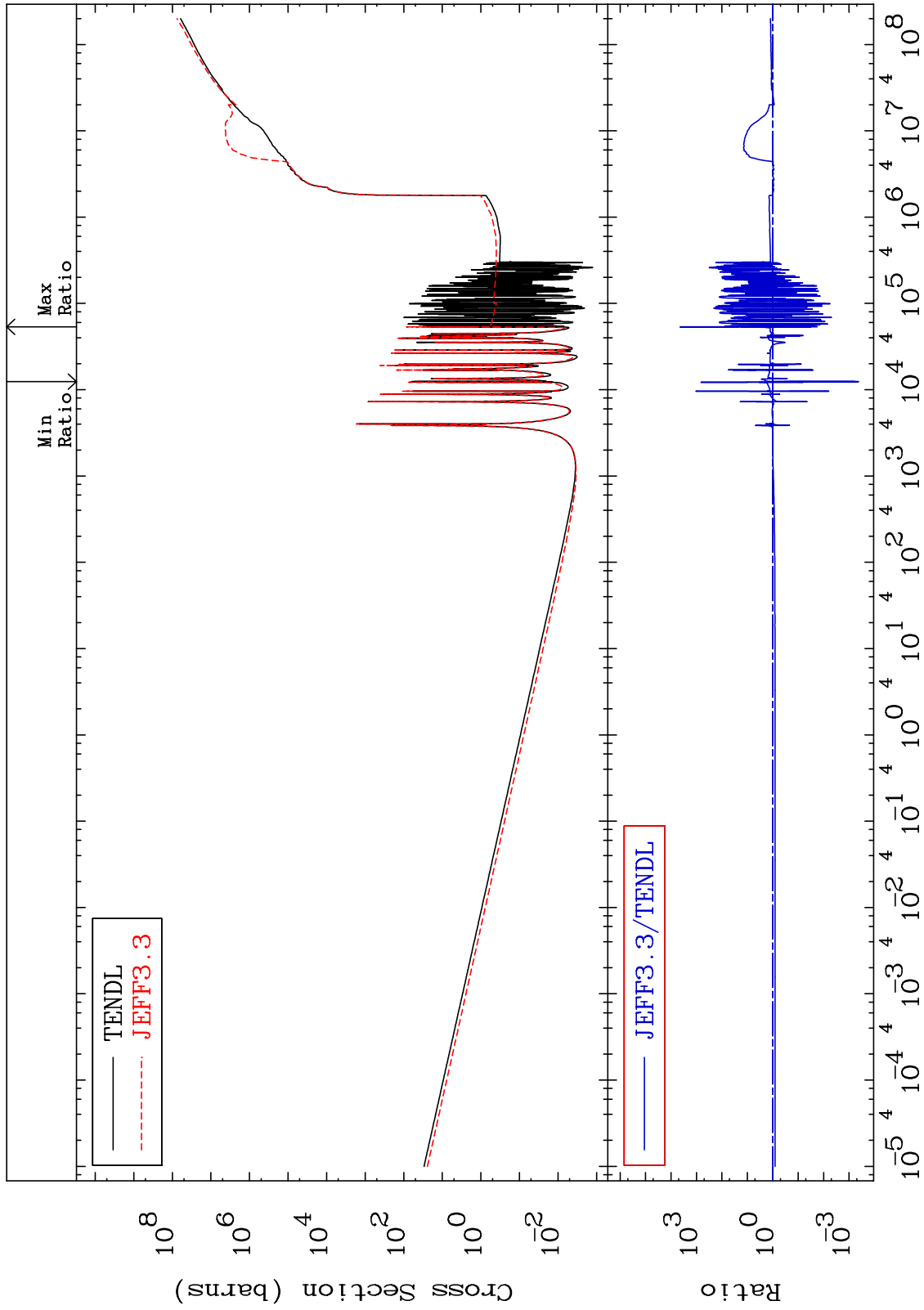
40-Zr-90
-94.02 To 9999. %



MAT 4025

Kerma non-elastic (all but mt2)
Cross Section

40-Zr-90
-99.96 To 9999. %



43

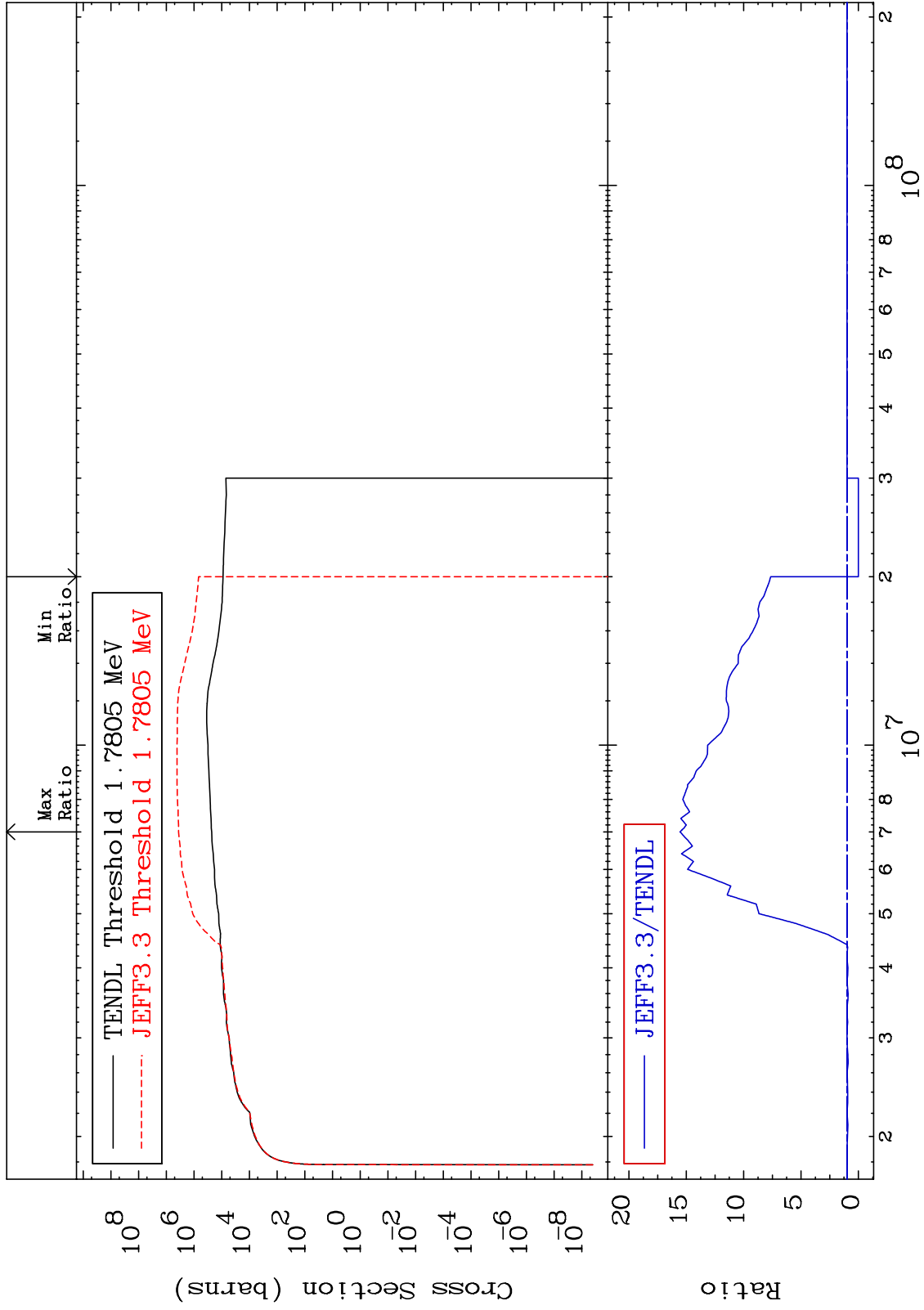
Incident Energy (eV)

40-Zr-90

MAT 4025

Kerma inelastic (mt51-91)
Cross Section

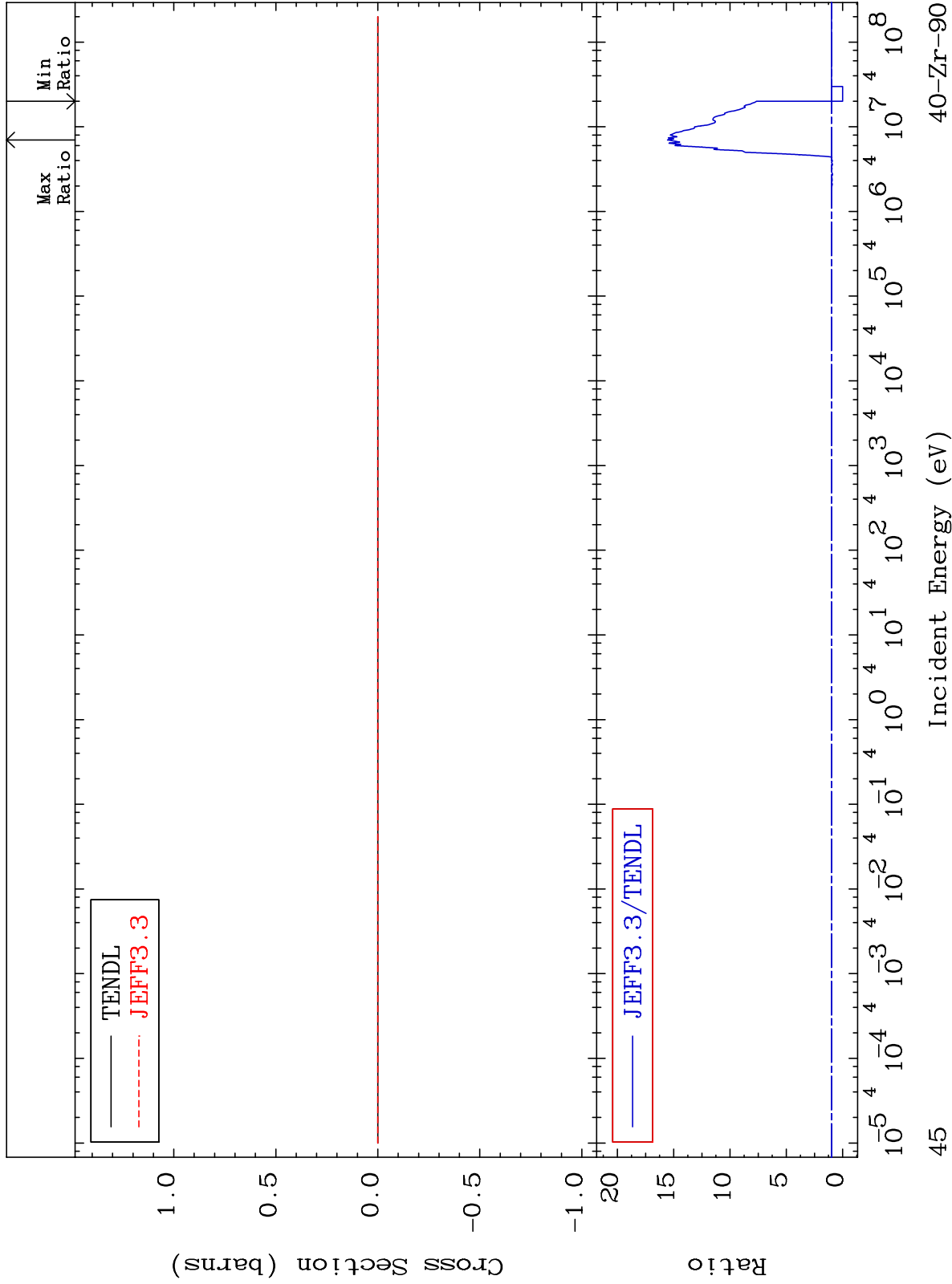
40-Zr-90
-100.0 To 1455. %



MAT 4025

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

40-Zr-90
-100.0 To 1455. %



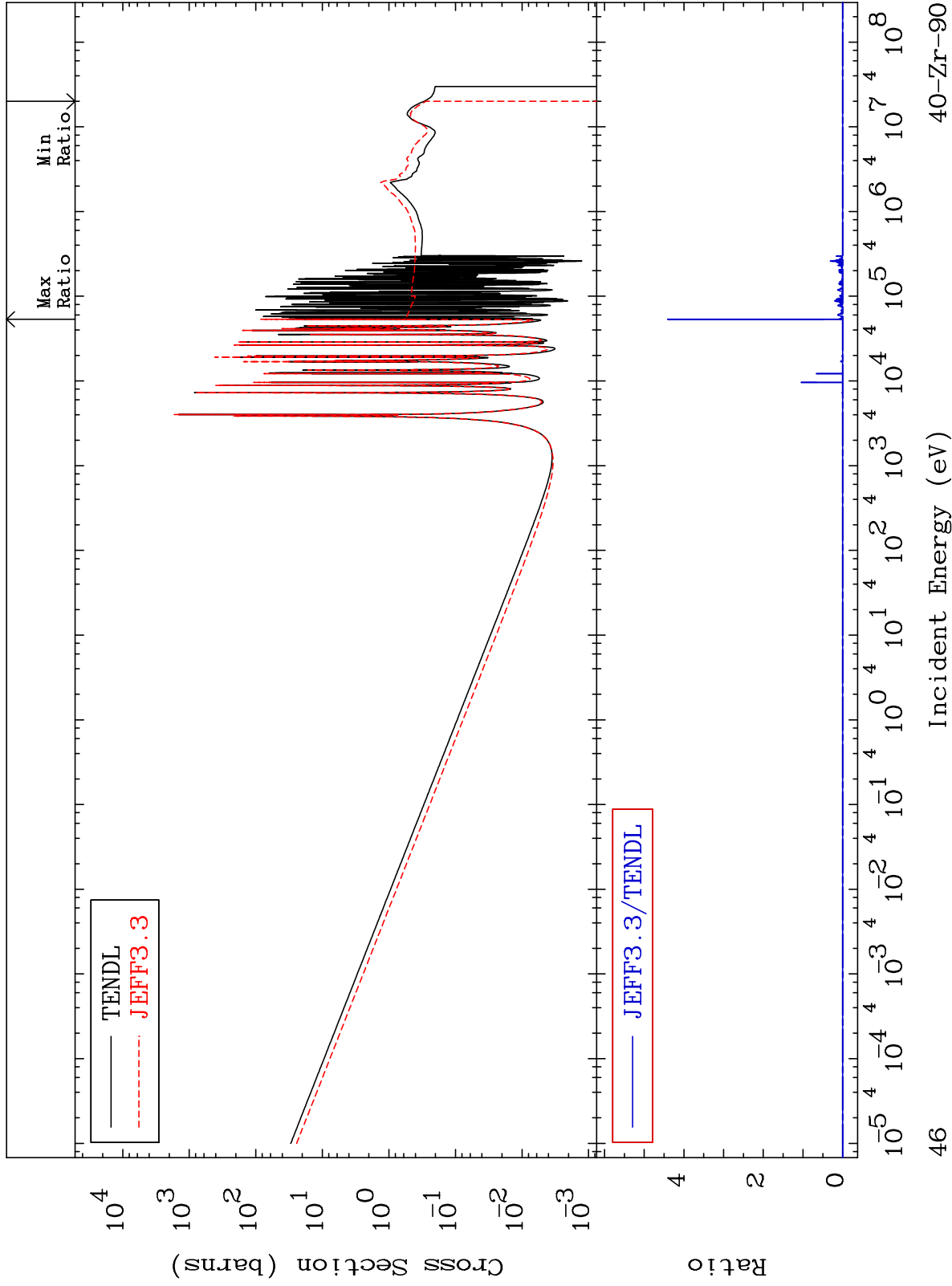
45

40-Zr-90

MAT 4025

Kerma capture (mt102)
Cross Section

40-Zr-90
-100.0 To 9999. %

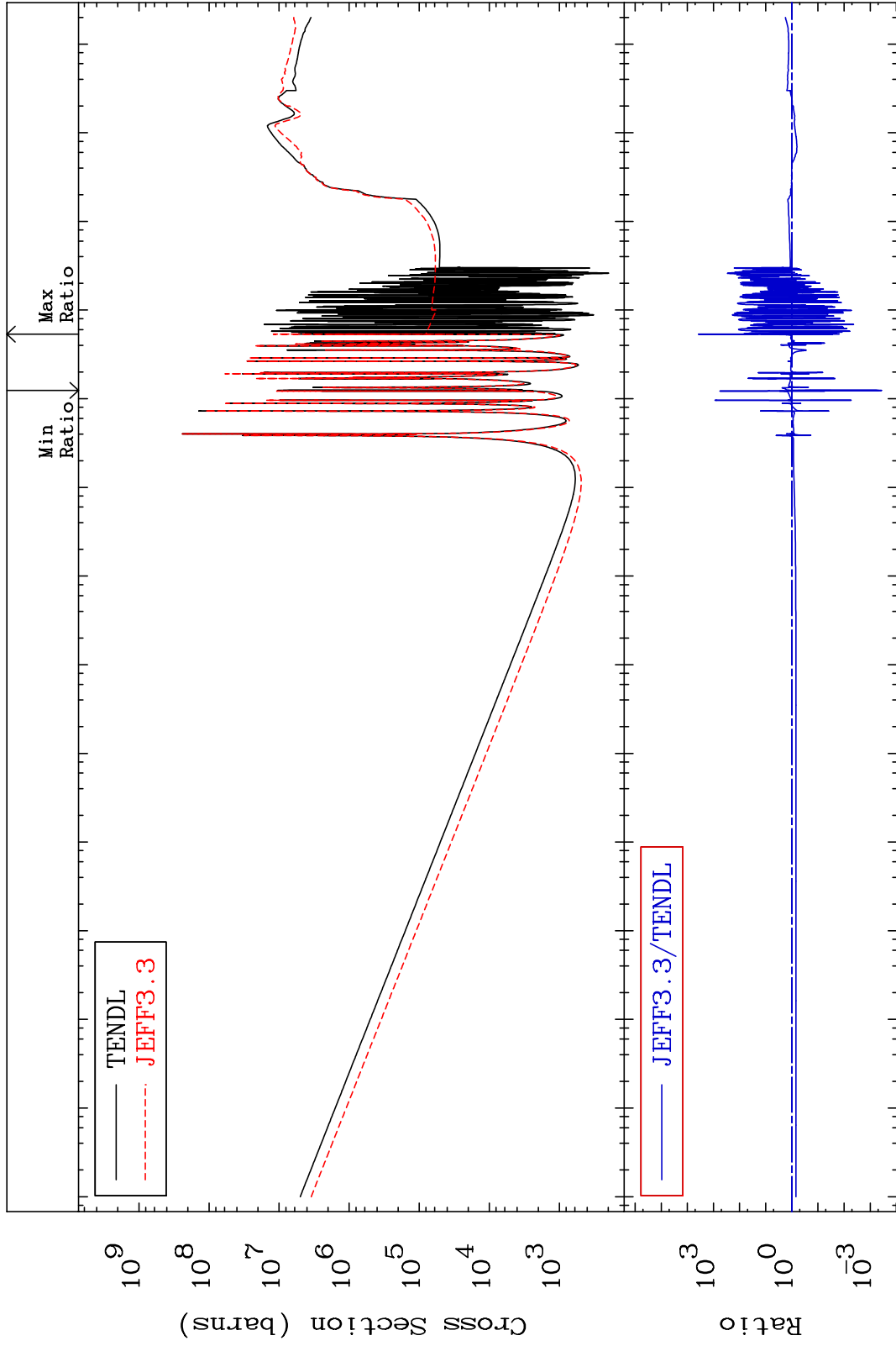


46

MAT 4025

Total photon (eV-barns)
Cross Section

40-Zr-90
-99.96 To 9999. %



47

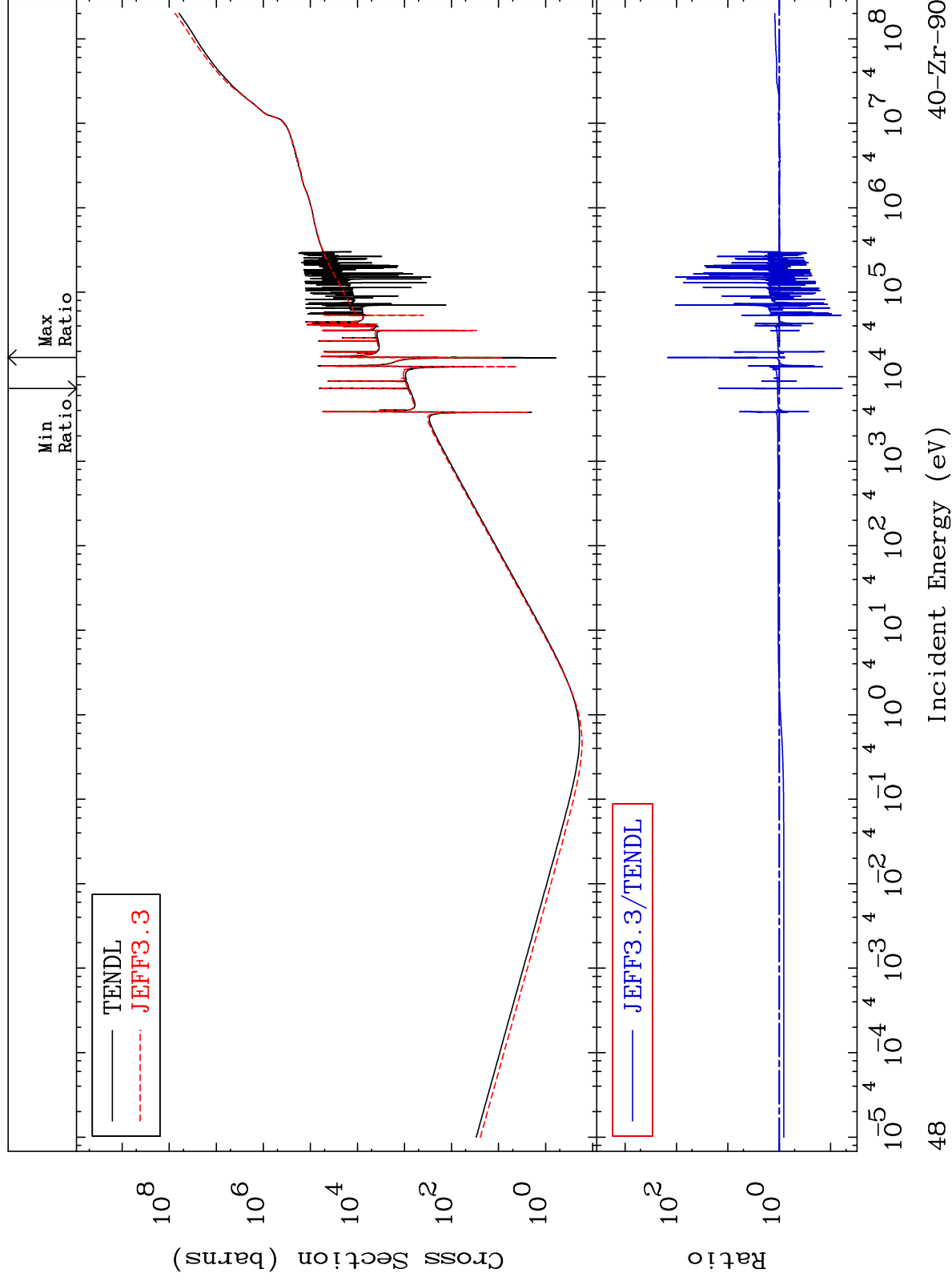
Incident Energy (eV)

40-Zr-90

MAT 4025

Total kinematic kerma (high limit)
Cross Section

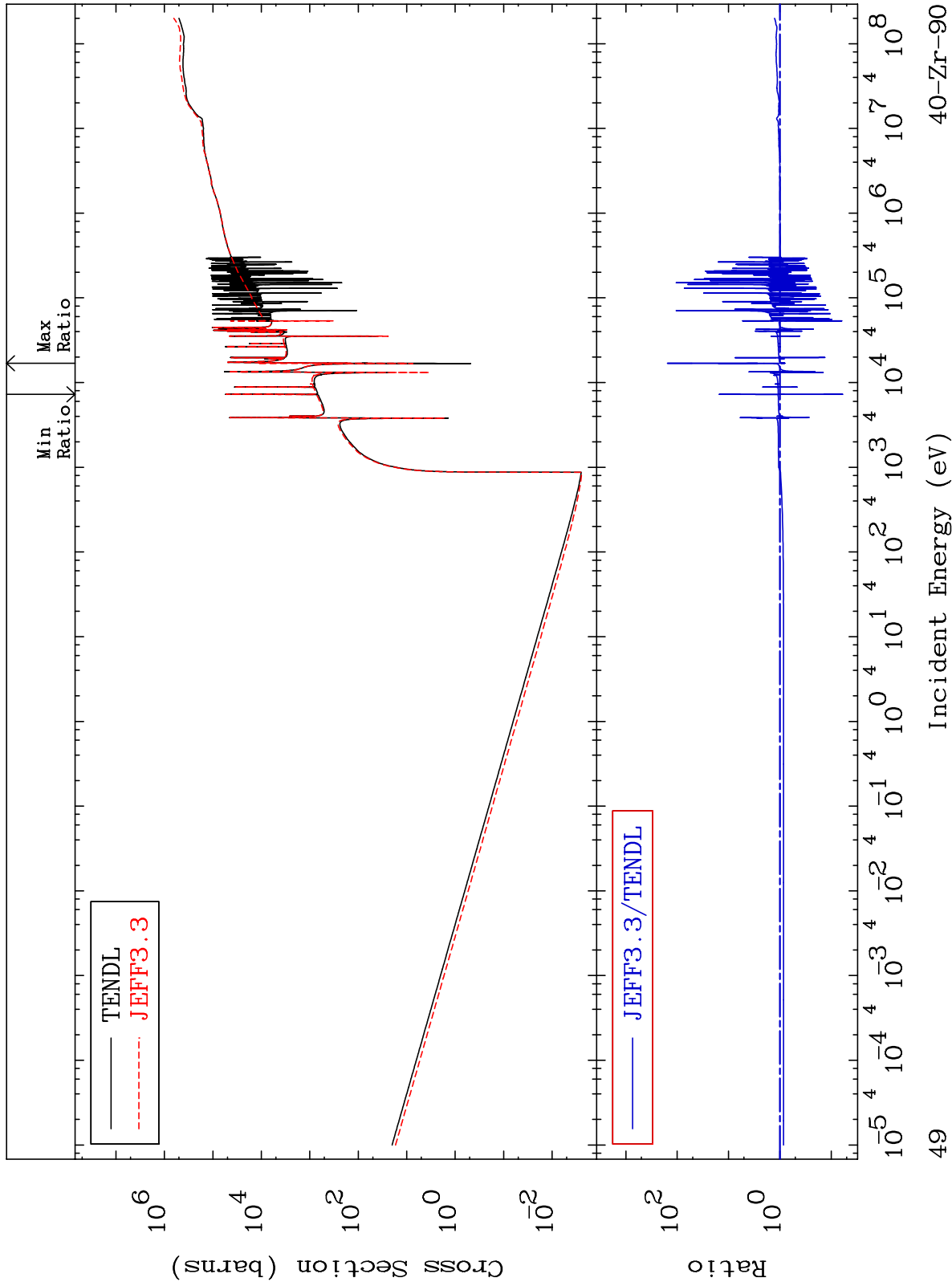
40-Zr-90
-94.03 To 9999. %



MAT 4025

Dpa total (eV-barns)
Cross Section

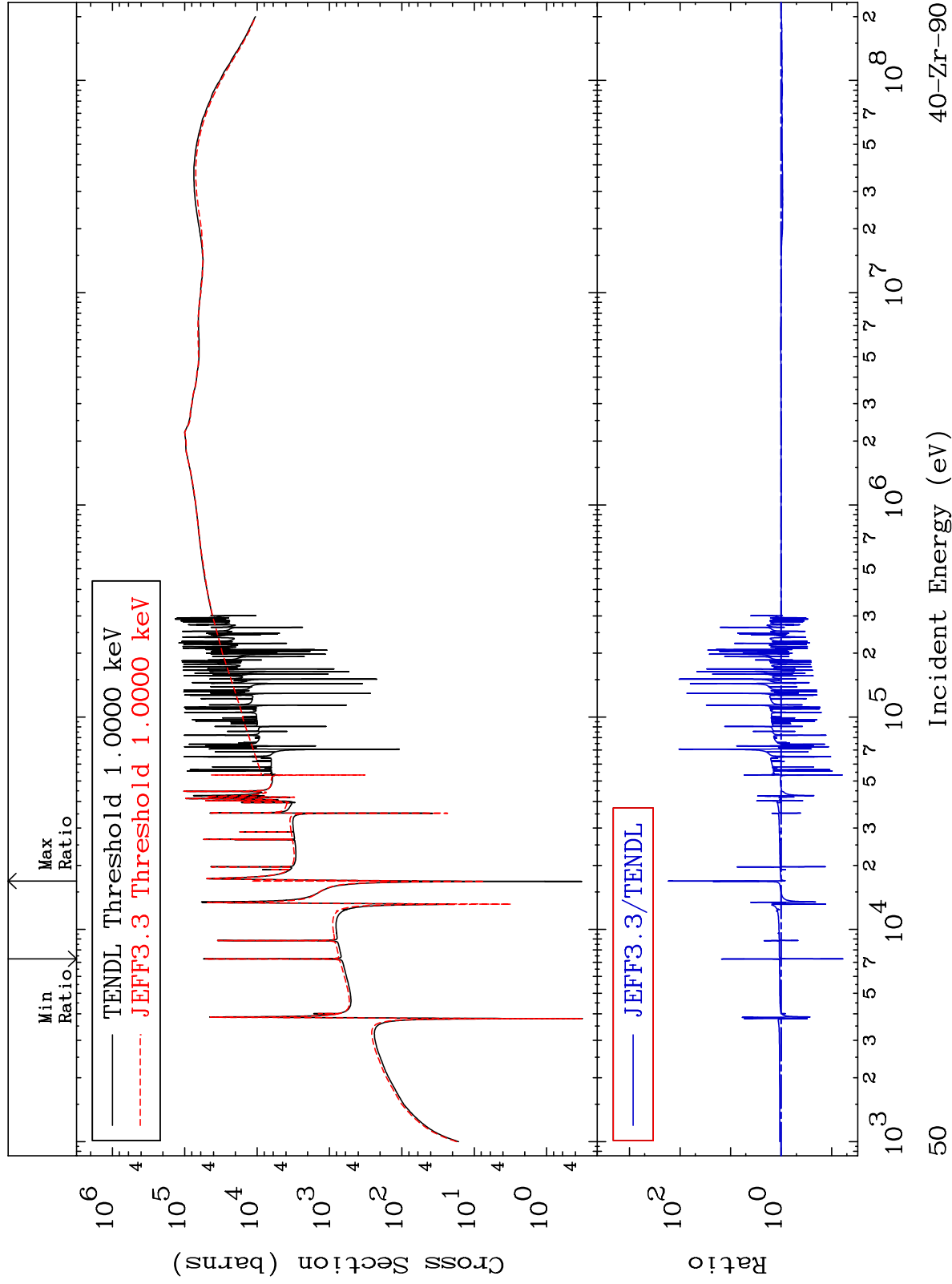
40-Zr-90
-94.01 To 9999. %



MAT 4025

Dpa elastic (mt2)
Cross Section

40-Zr-90
-94.00 To 9999. %

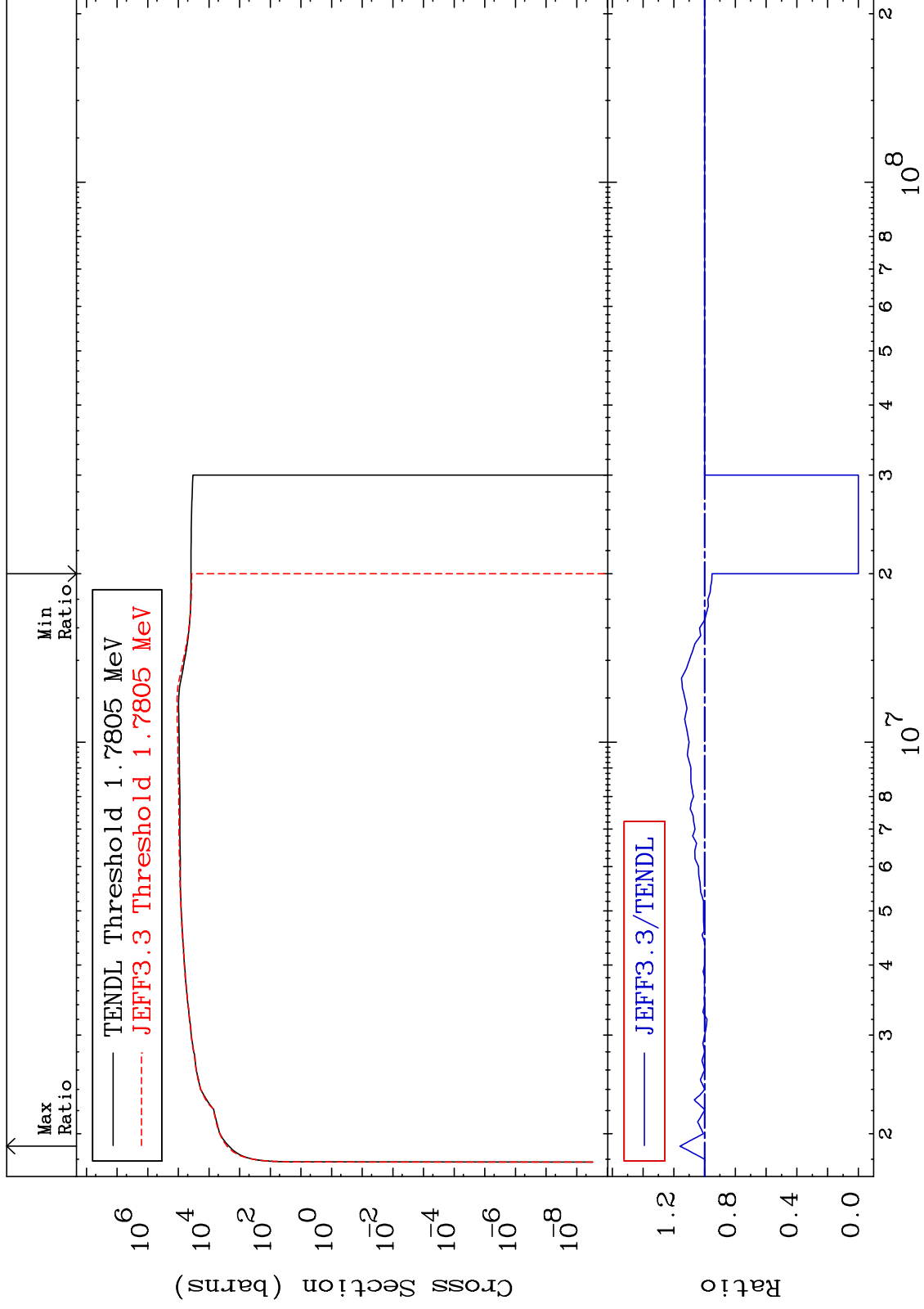


50

MAT 4025

Dpa inelastic (mt51-91)
Cross Section

40-Zr-90
-100.0 To 15.96 %



MAT 4025

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-90
-100.0 To 9999. %

