

Program Complot
(Version 2018-1)

by

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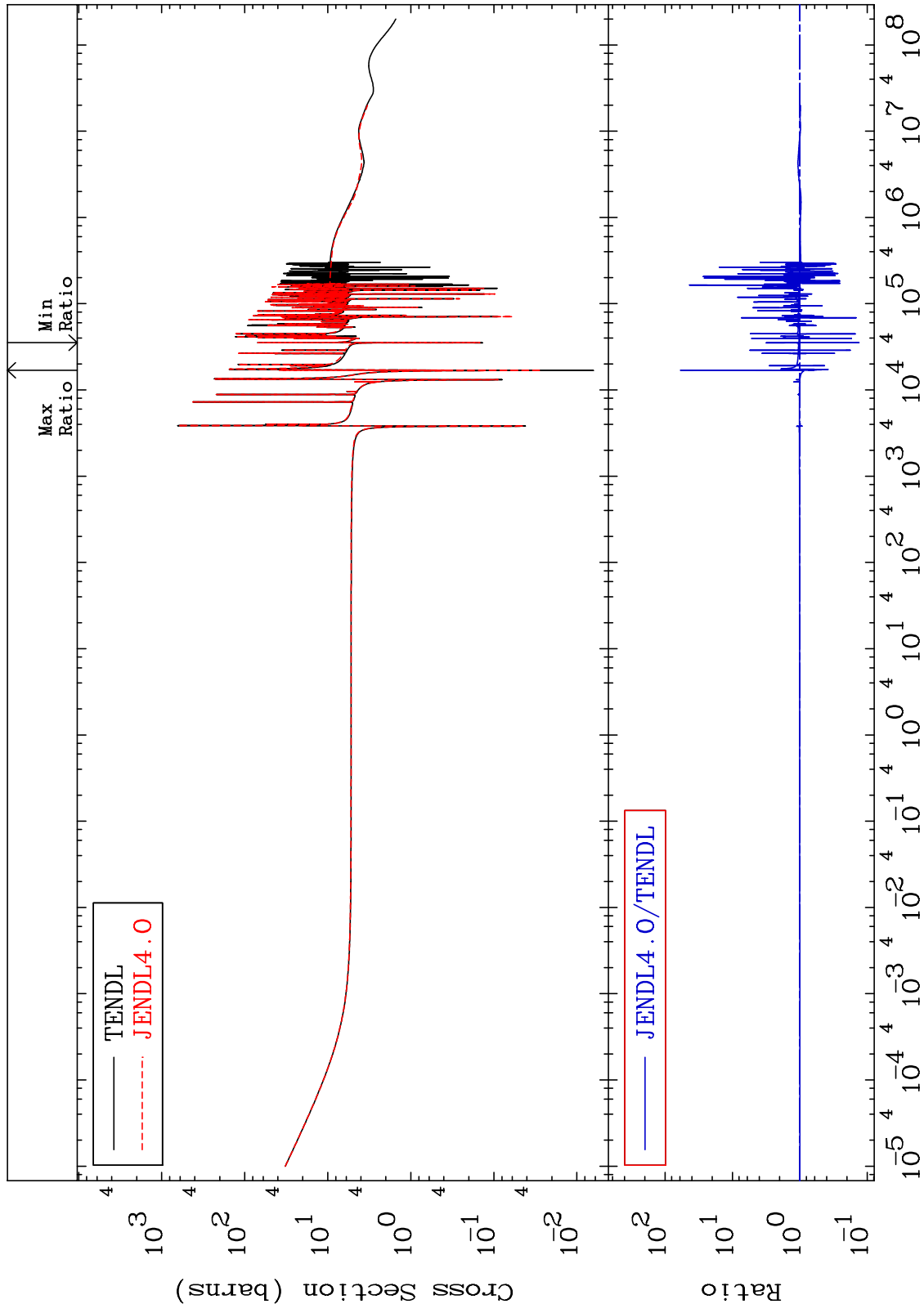
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4025

Total
Cross Section

40-Zr-90
-86.76 To 5764. %



Incident Energy (eV)

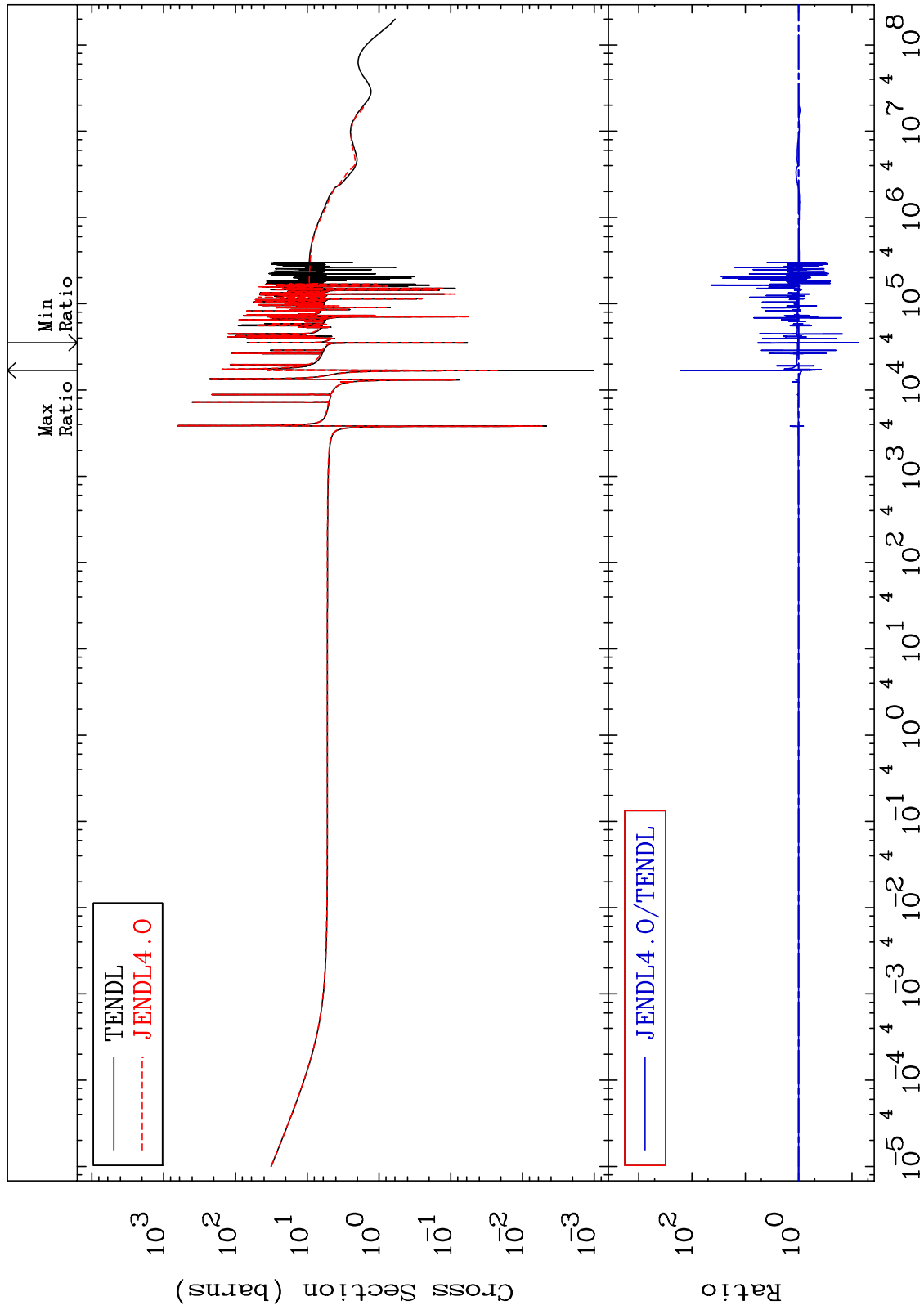
40-Zr-90

1

MAT 4025

Elastic
Cross Section

40-Zr-90
-92.63 To 9999. %

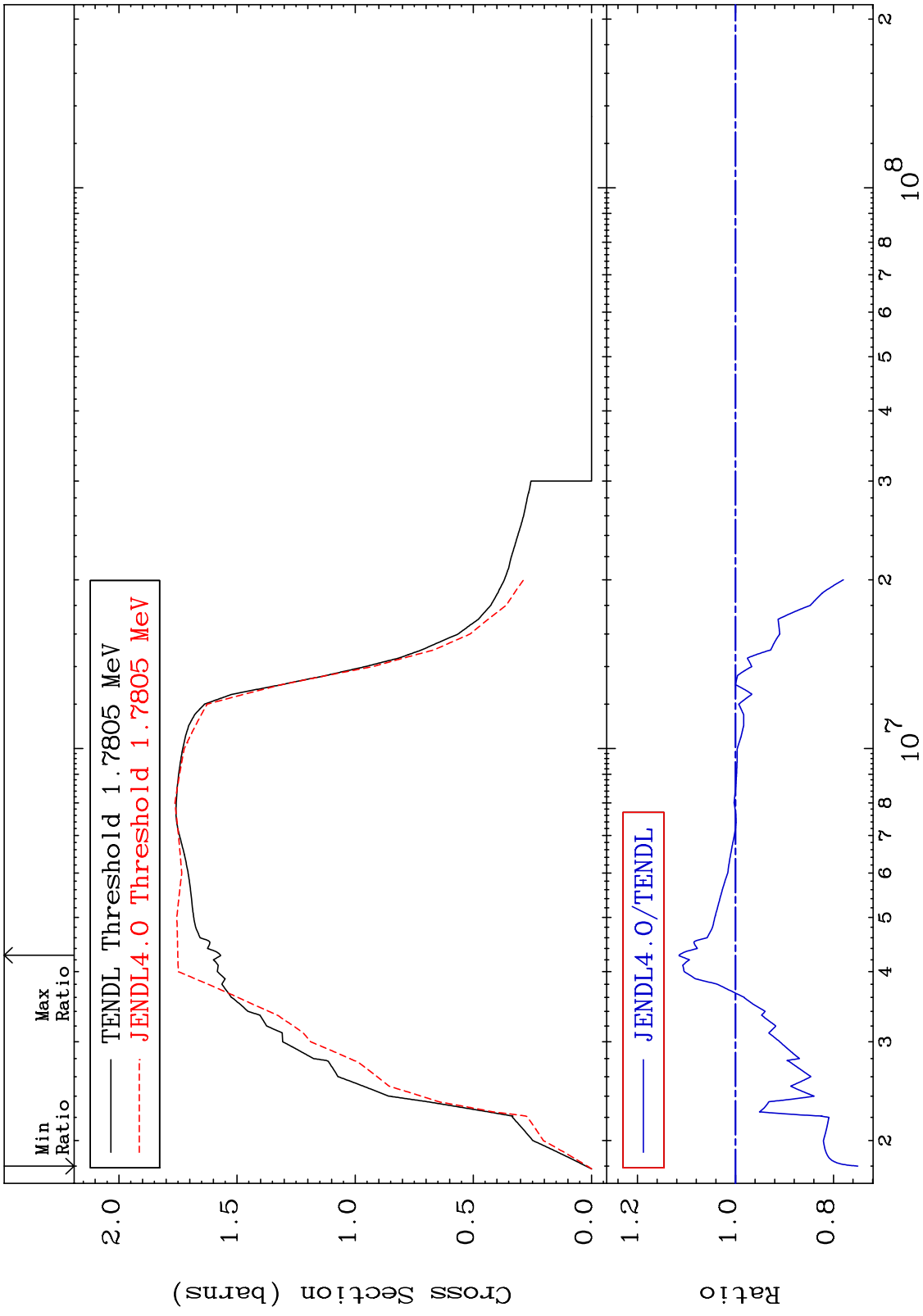


2

Incident Energy (eV)

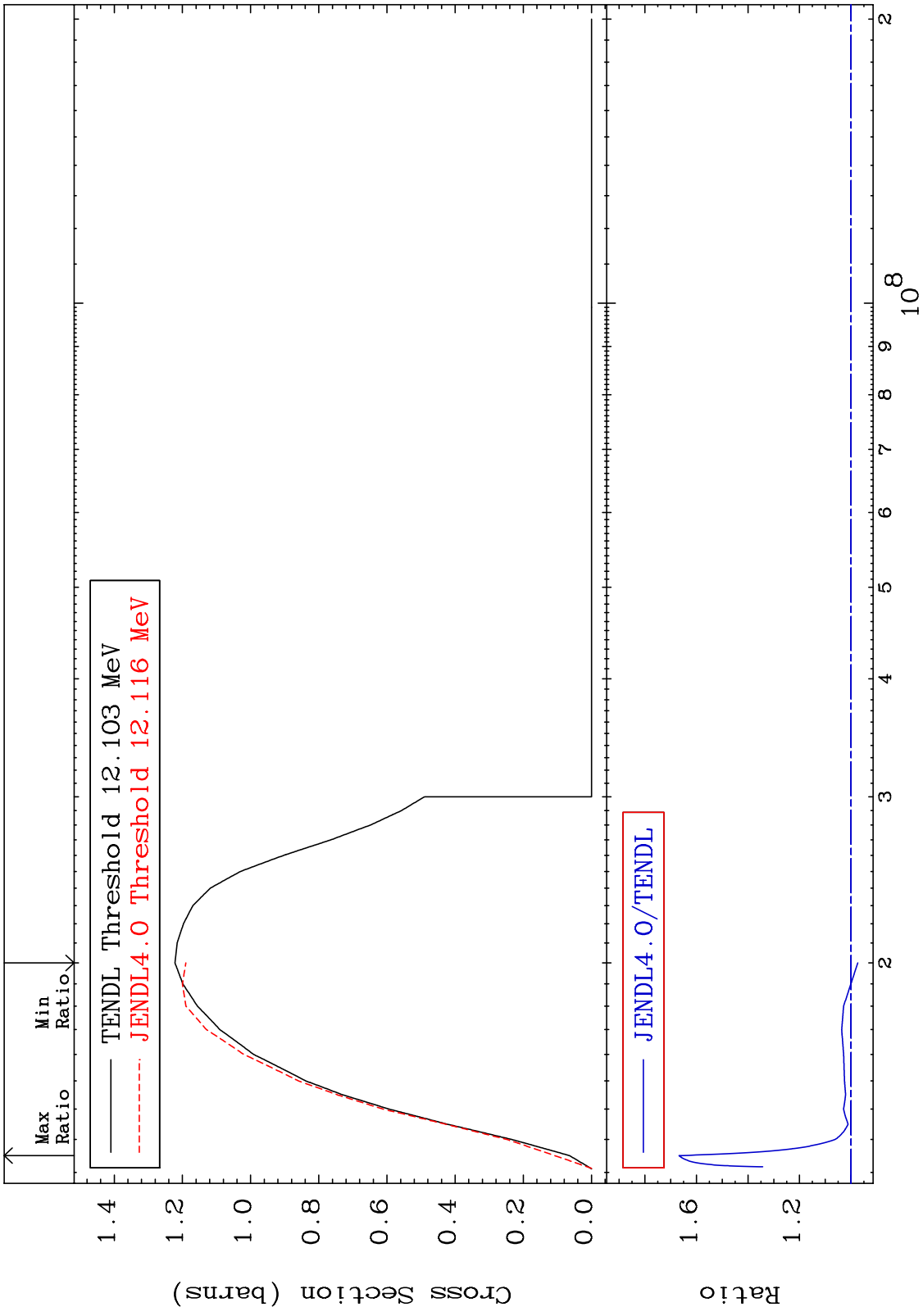
40-Zr-90

MAT 4025 Inelastic Cross Section 40-Zr-90 -24.97 To 11.52 %

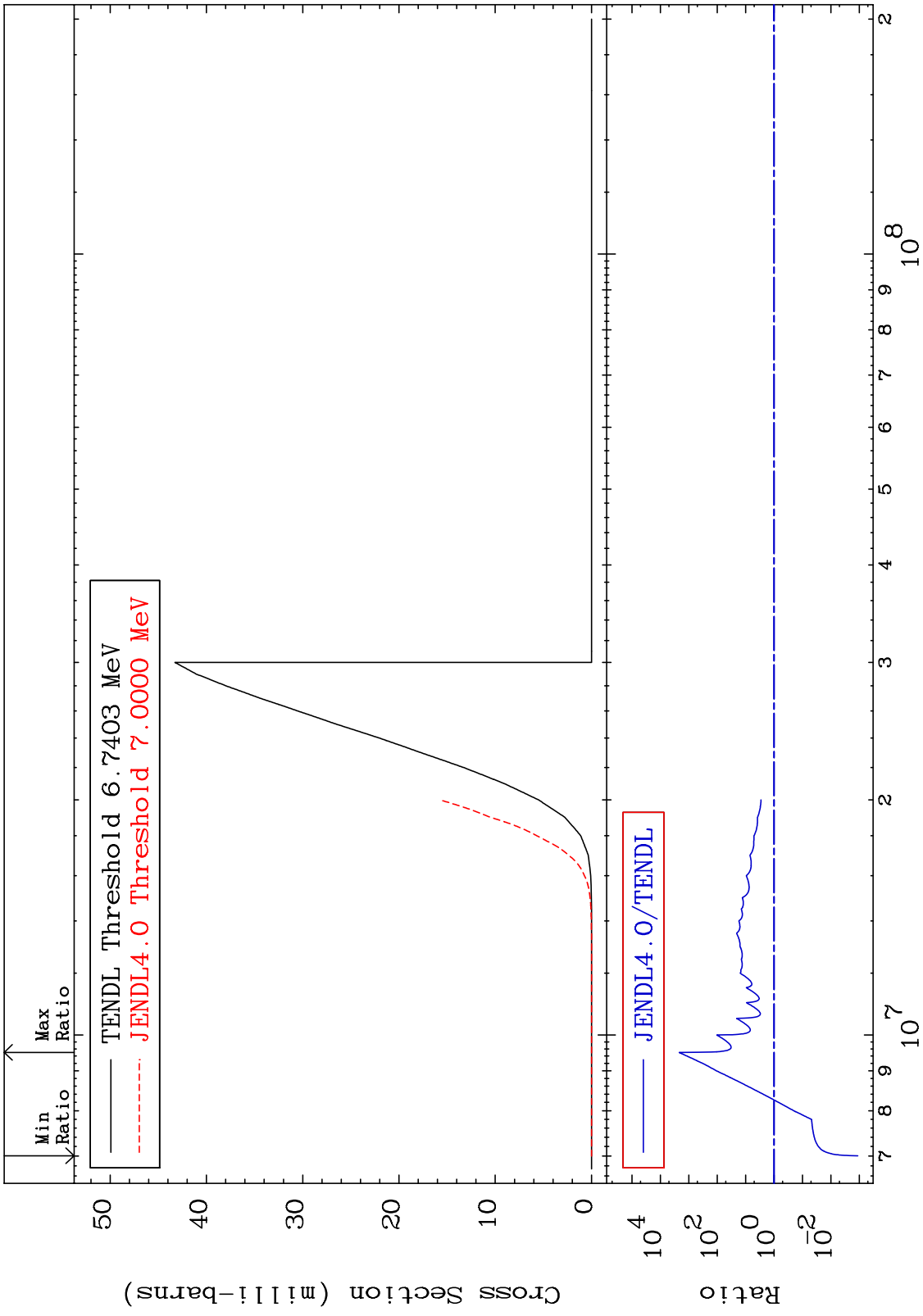


3 40-Zr-90

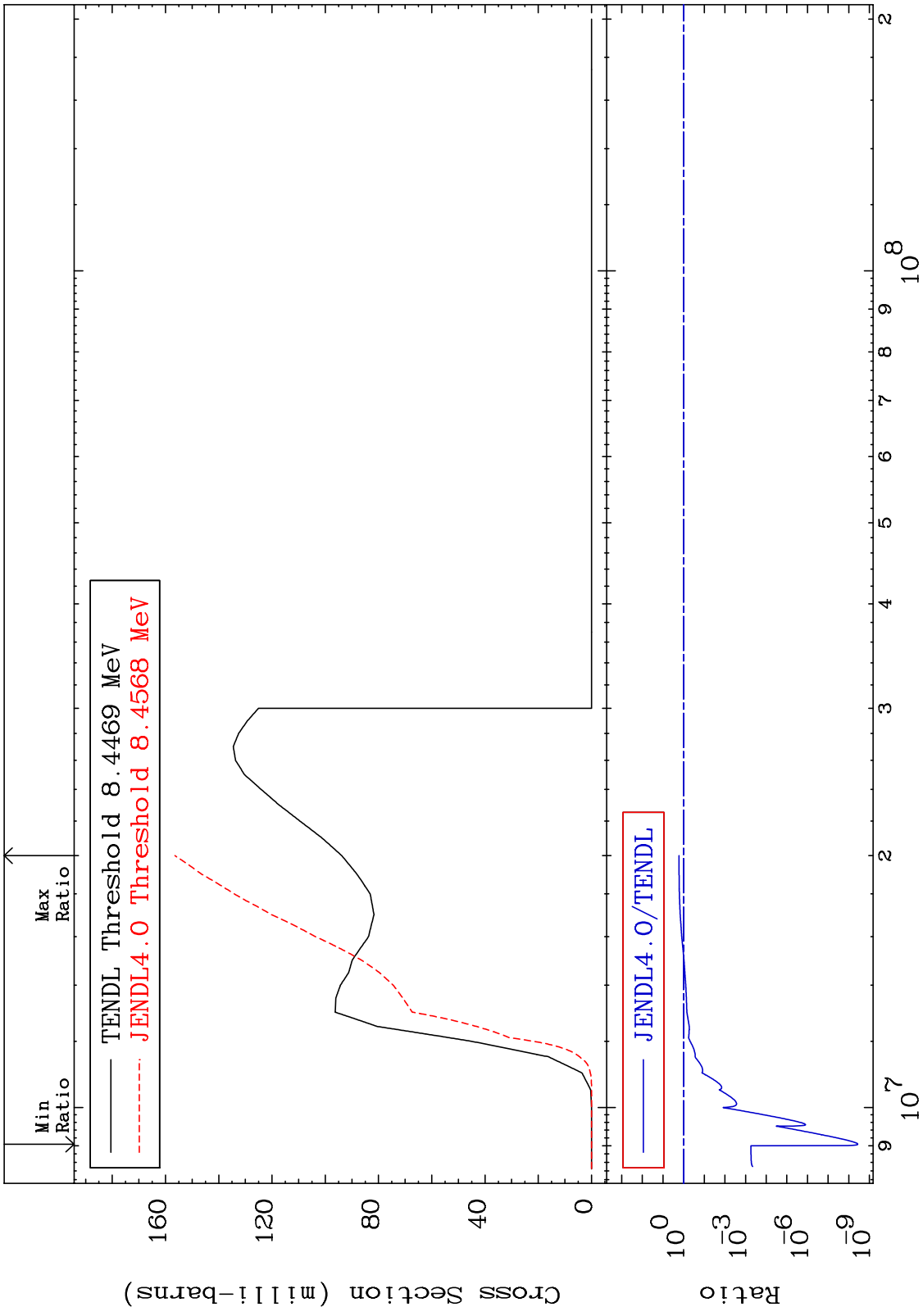
MAT 4025 (n,2n) Cross Section 40-Zr-90 -2.621 To 66.74 %



MAT 4025 $(n, n') \alpha$ 40-Zr-90
 Cross Section -99.89 To 9999. %

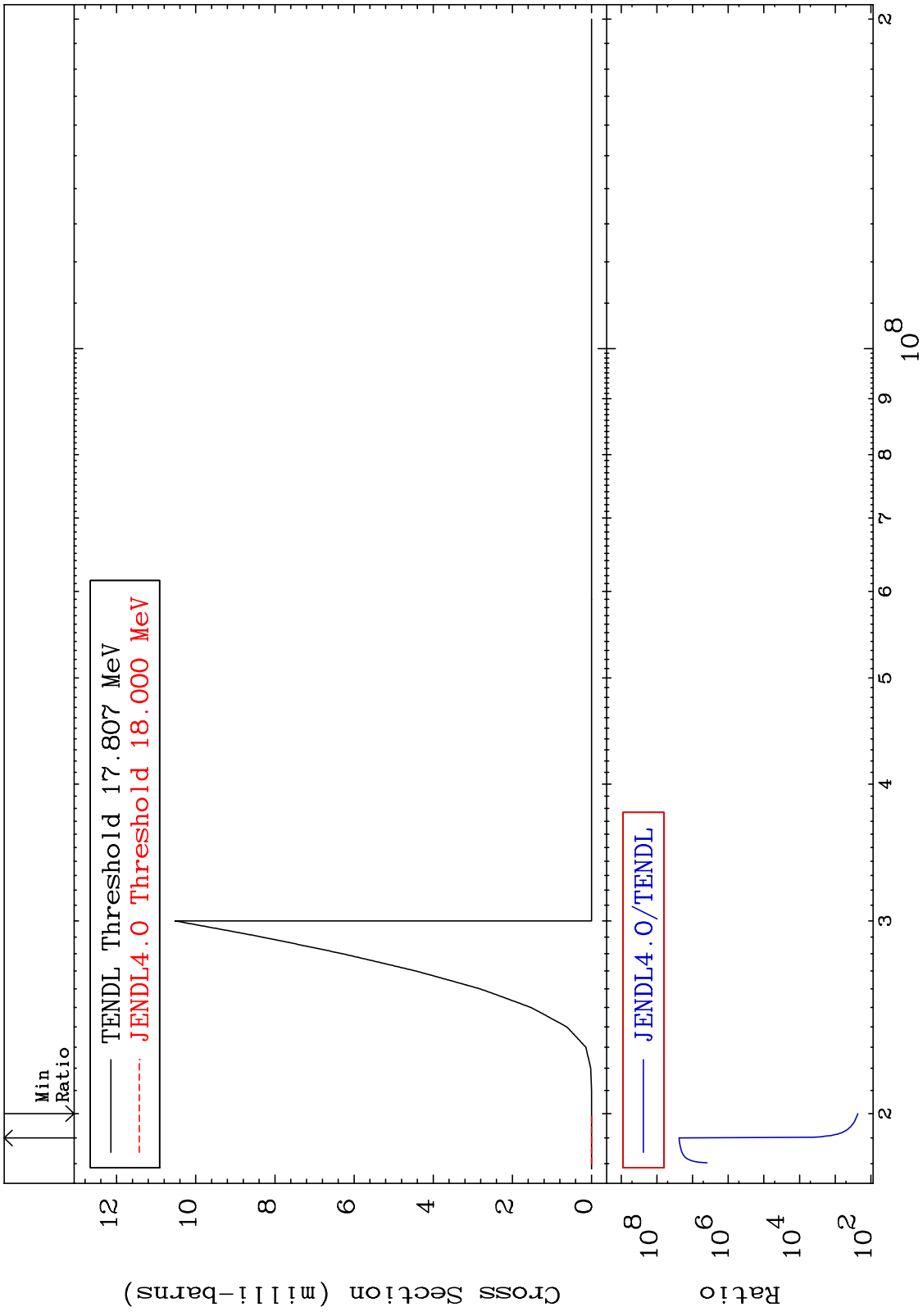


MAT 4025 (n, n') p 40-Zr-90
Cross Section -100.0 To 66.74 %

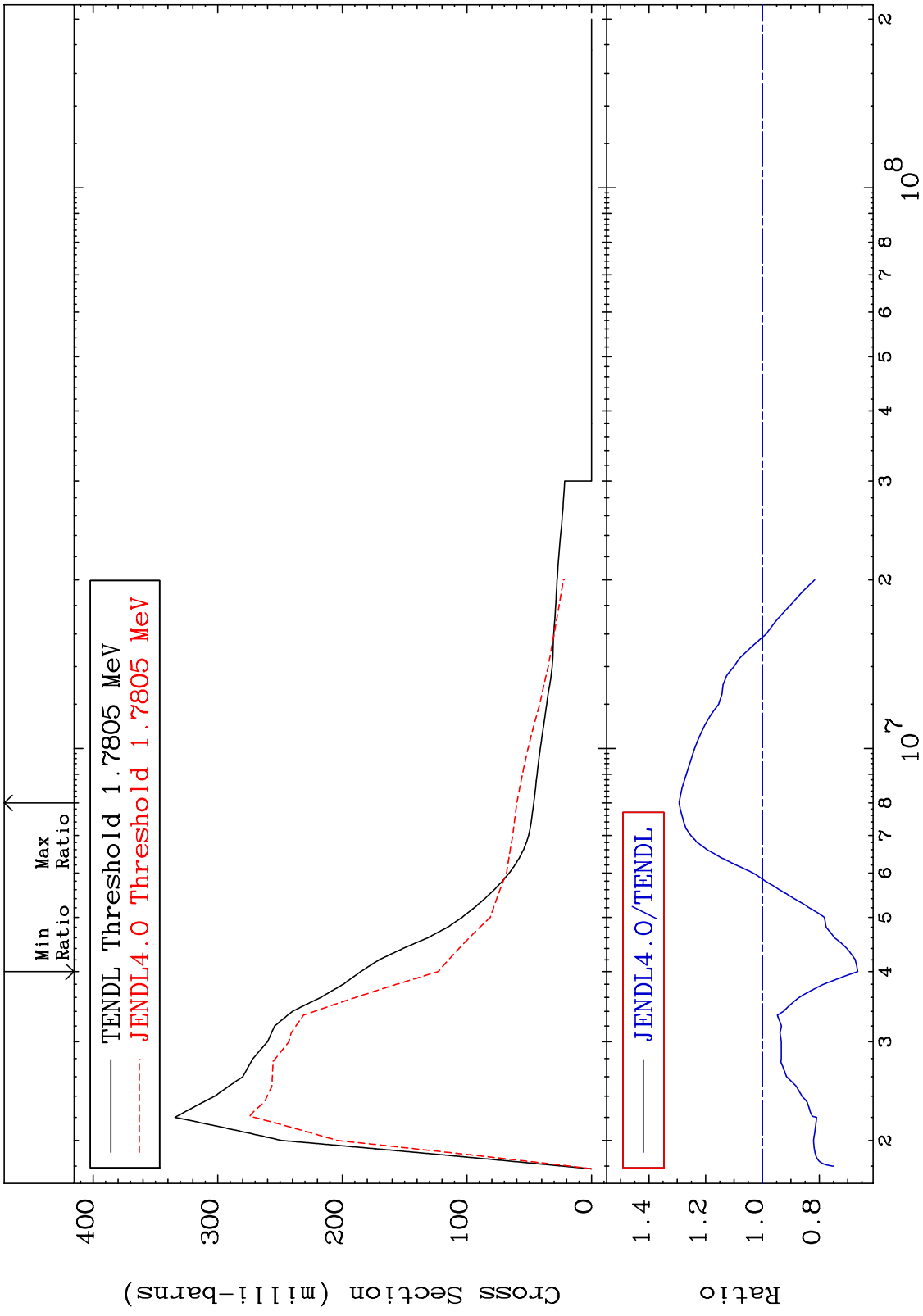


6 Incident Energy (eV) 40-Zr-90

MAT 4025 (n,n') d 40-Zr-90
 Cross Section 9999. To 9999. %

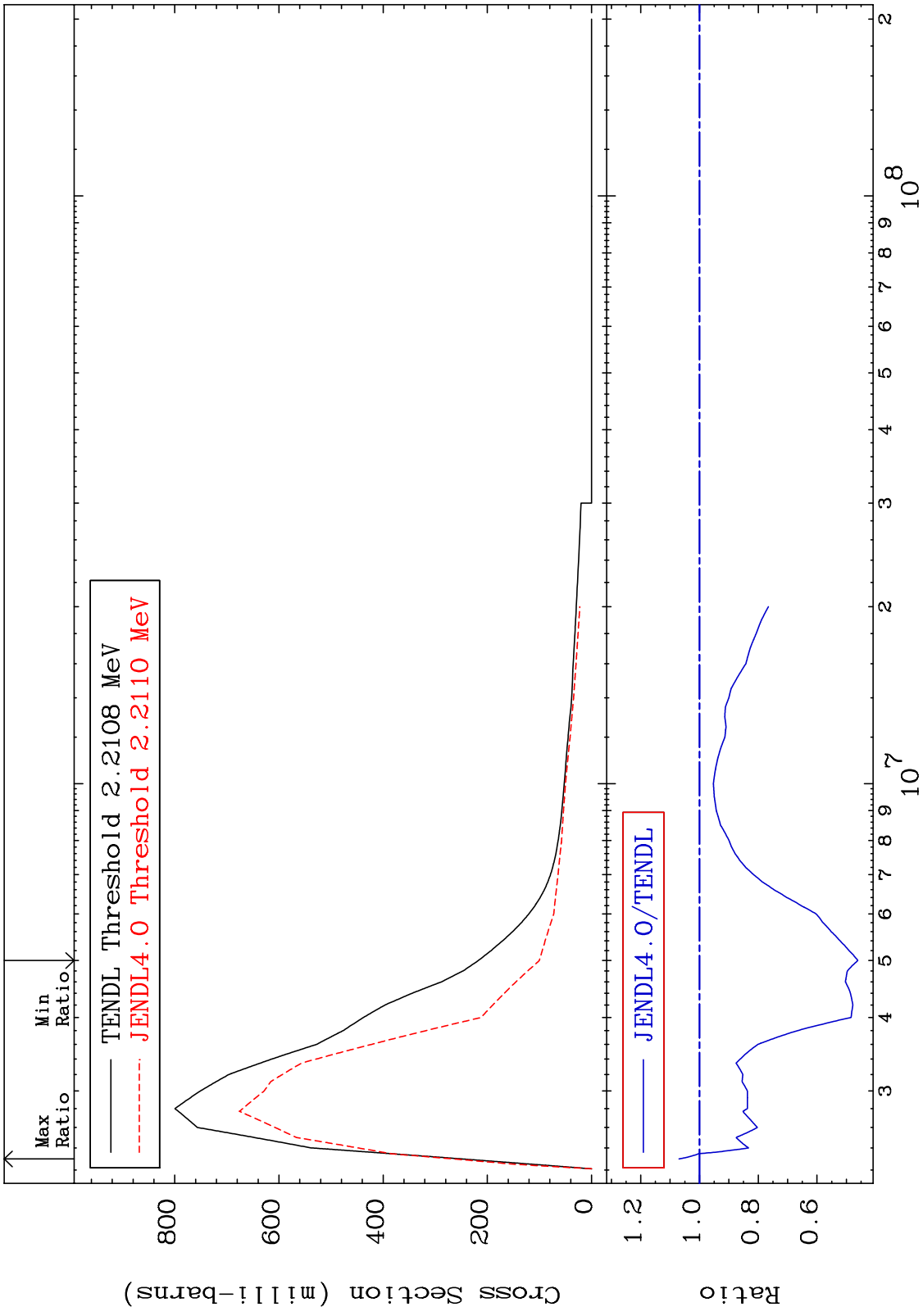


MAT 4025 MT= 51 (n,n') Level Cross Section 40-Zr-90 -33.58 To 29.39 %



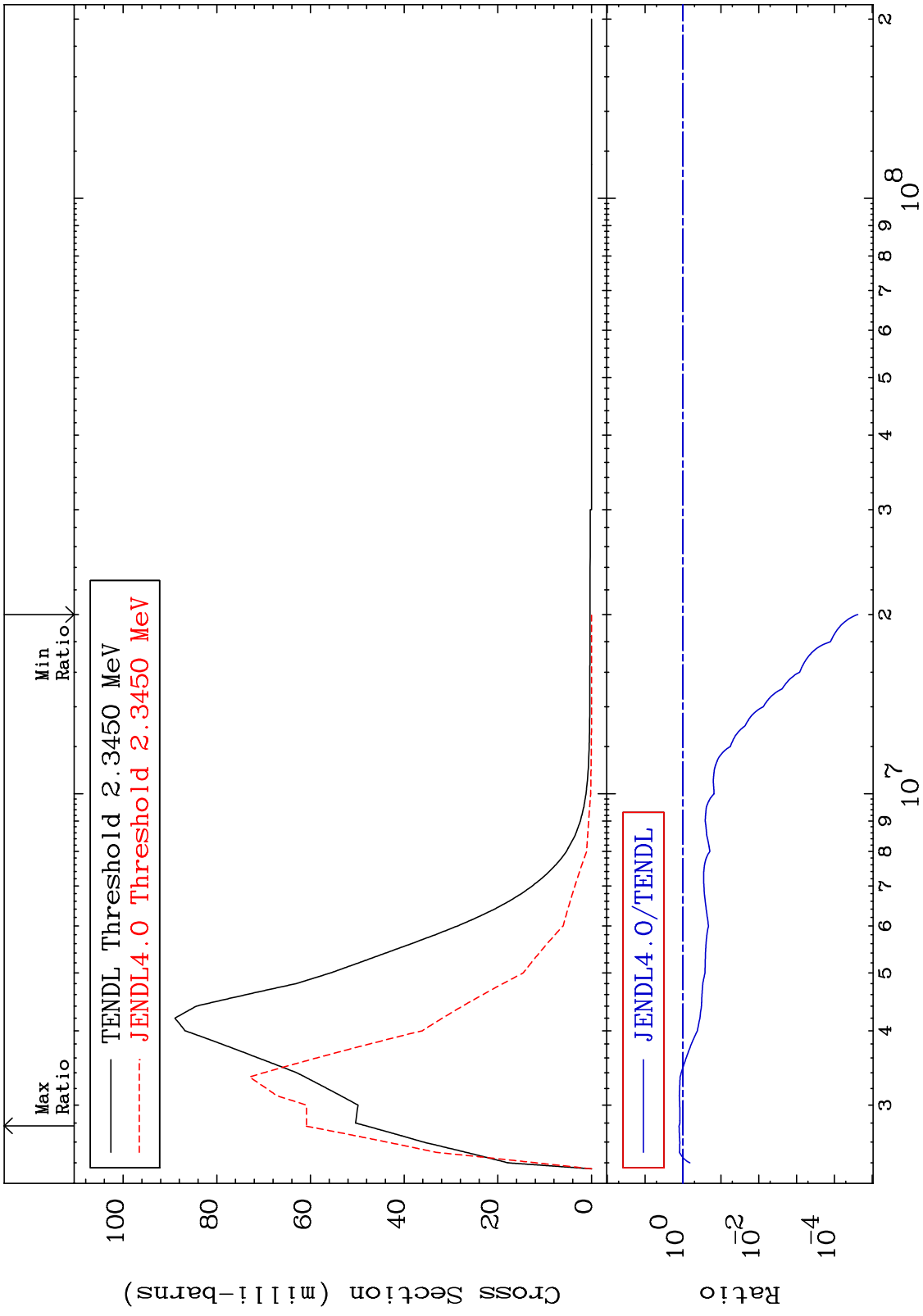
8 Incident Energy (eV) 40-Zr-90

MAT 4025 MT= 52 (n,n') Level Cross Section 40-Zr-90 -53.90 To 6.954 %



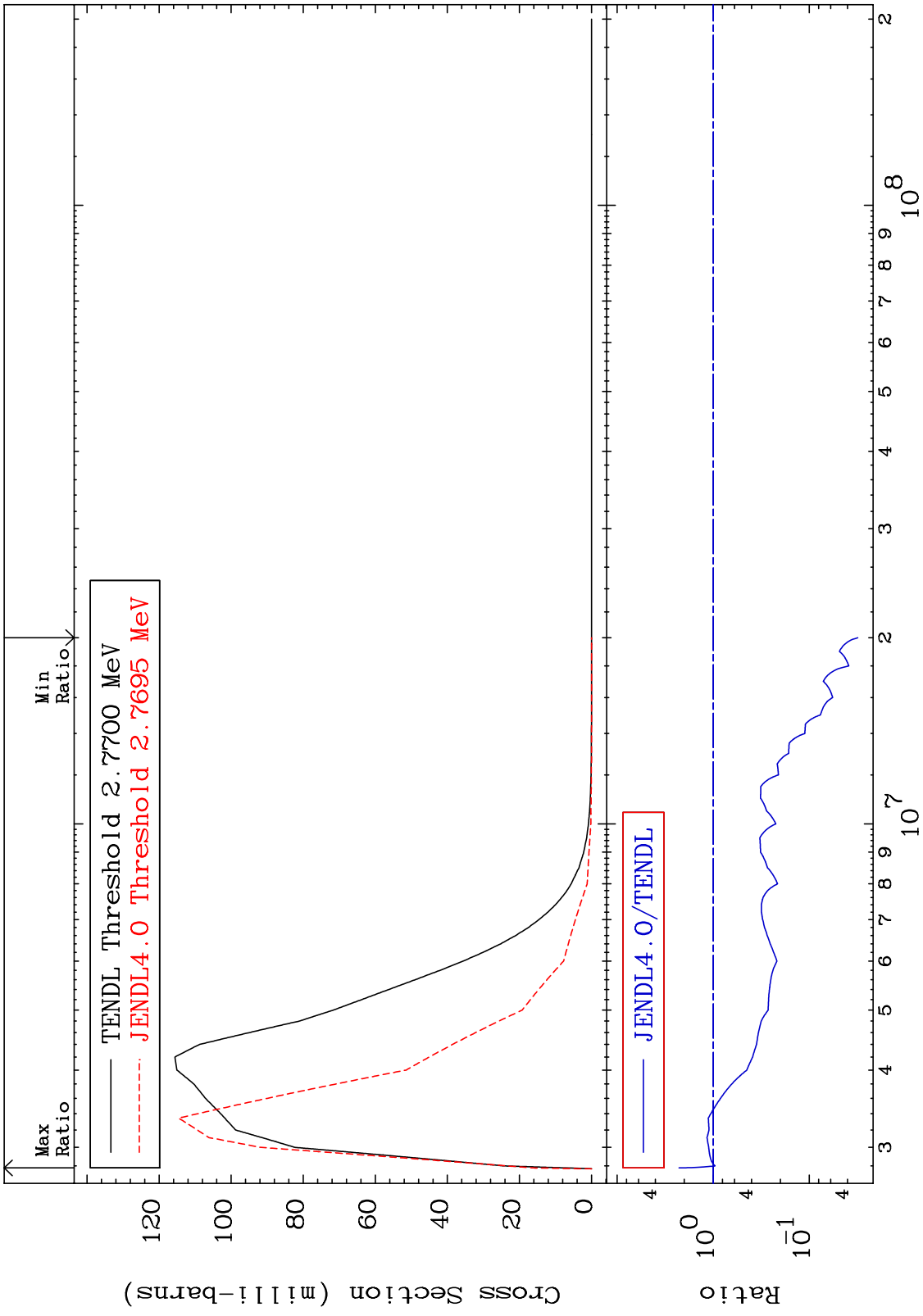
9 Incident Energy (eV) 40-Zr-90

MAT 4025 MT= 53 (n,n') Level Cross Section -100.0 To 27.21 % 40-Zr-90

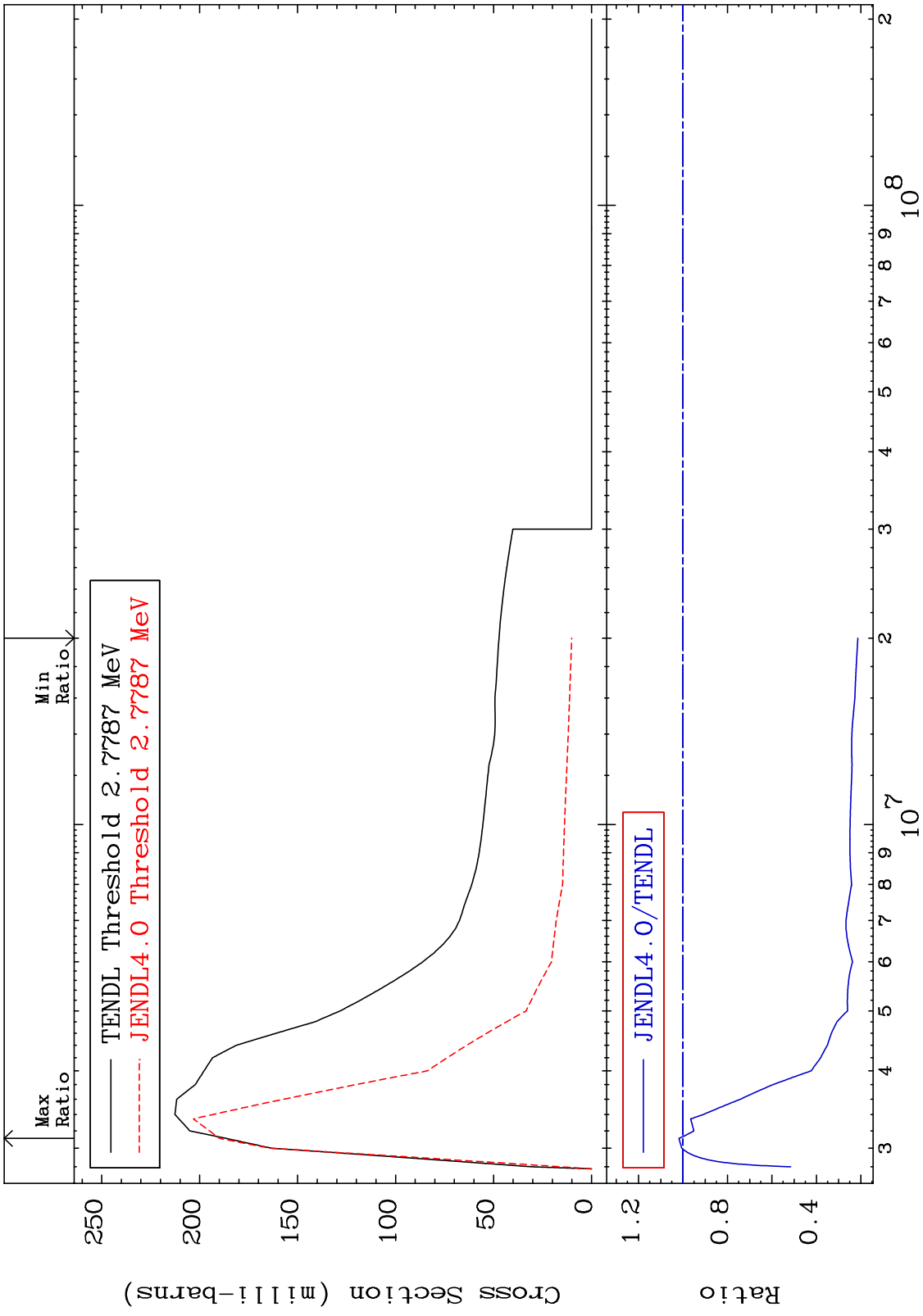


10 Incident Energy (eV) 40-Zr-90

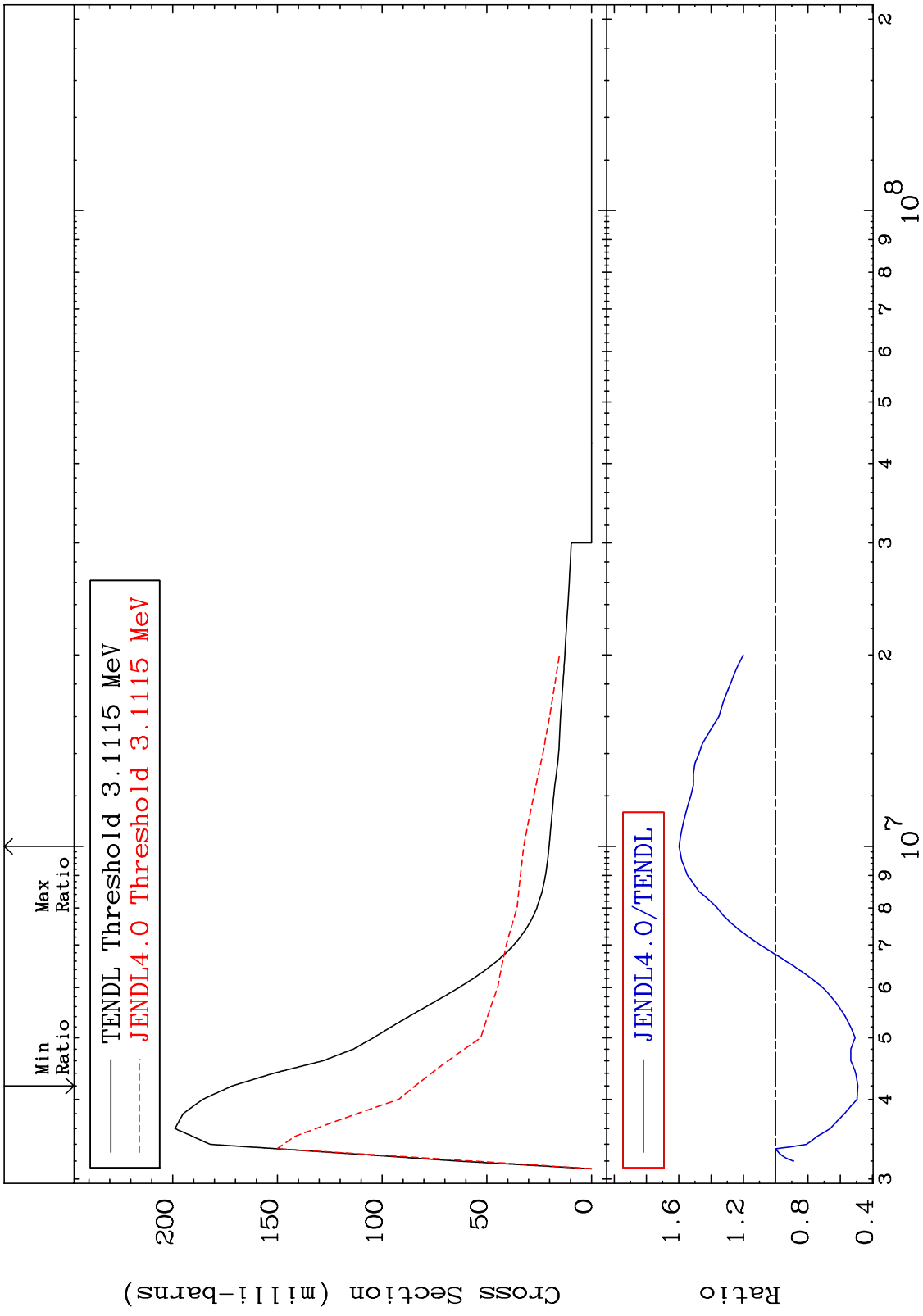
MAT 4025 MT= 54 (n,n') Level Cross Section 40-Zr-90 -96.87 To 127.0 %



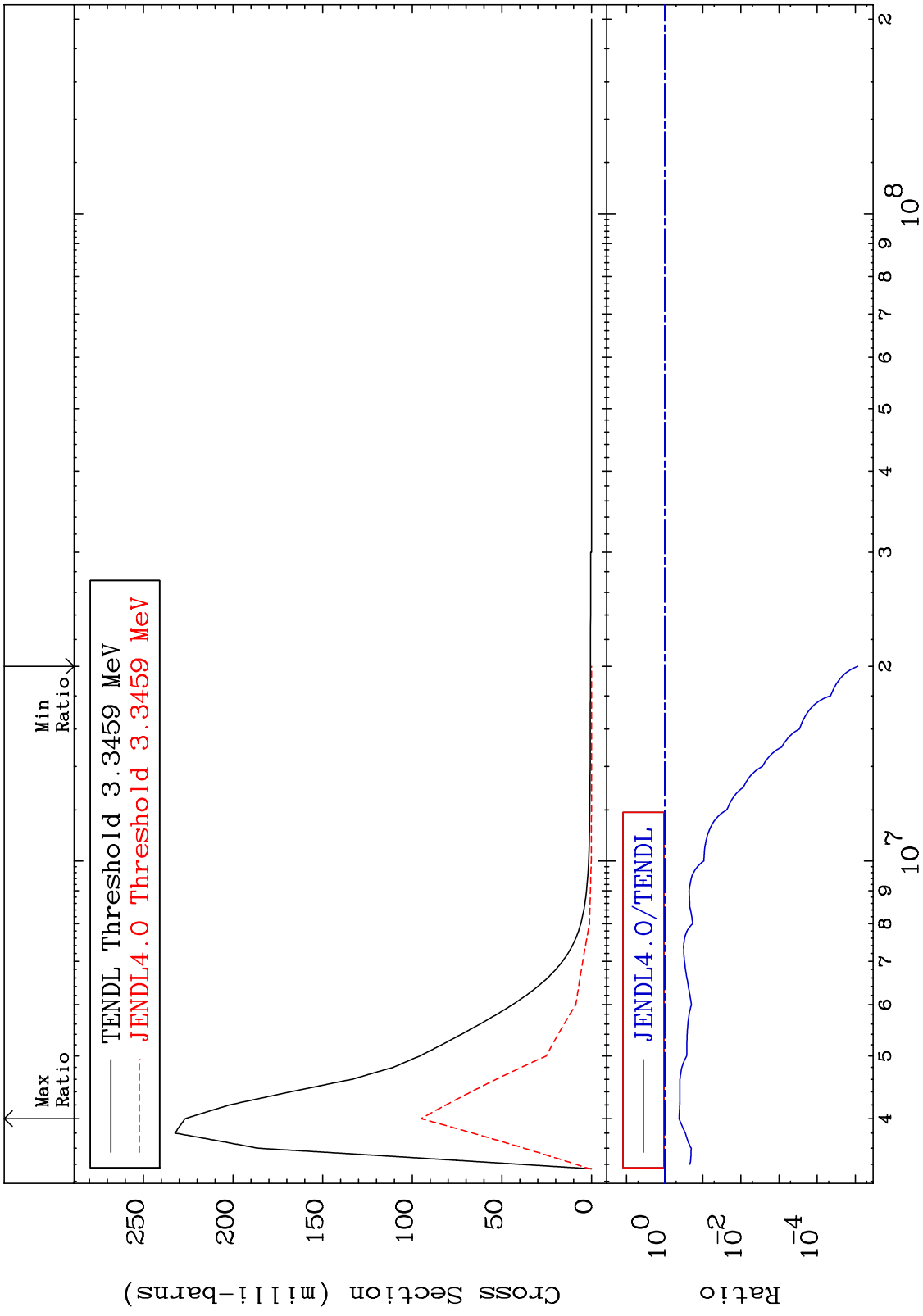
MAT 4025 MT= 55 (n,n') Level Cross Section -78.63 To 1.774 % 40-Zr-90



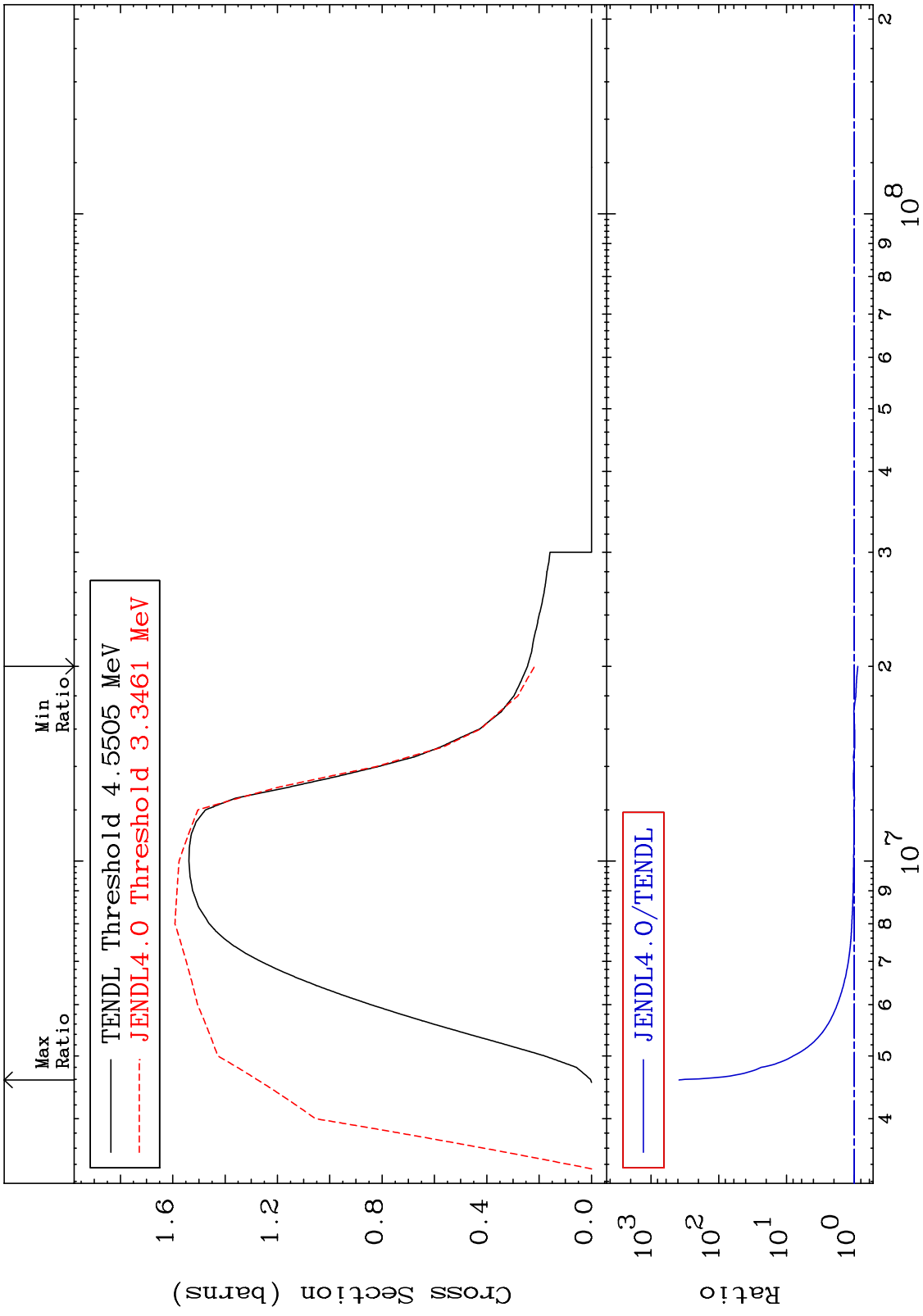
MAT 4025 MT= 56 (n,n') Level Cross Section 40-Zr-90 -50.90 To 59.85 %



MAT 4025 MT= 57 (n,n') Level Cross Section 40-Zr-90
 -100.0 To -58.04%



MAT 4025 (n,n') Continuum Cross Section 40-Zr-90 -11.29 To 9999. %



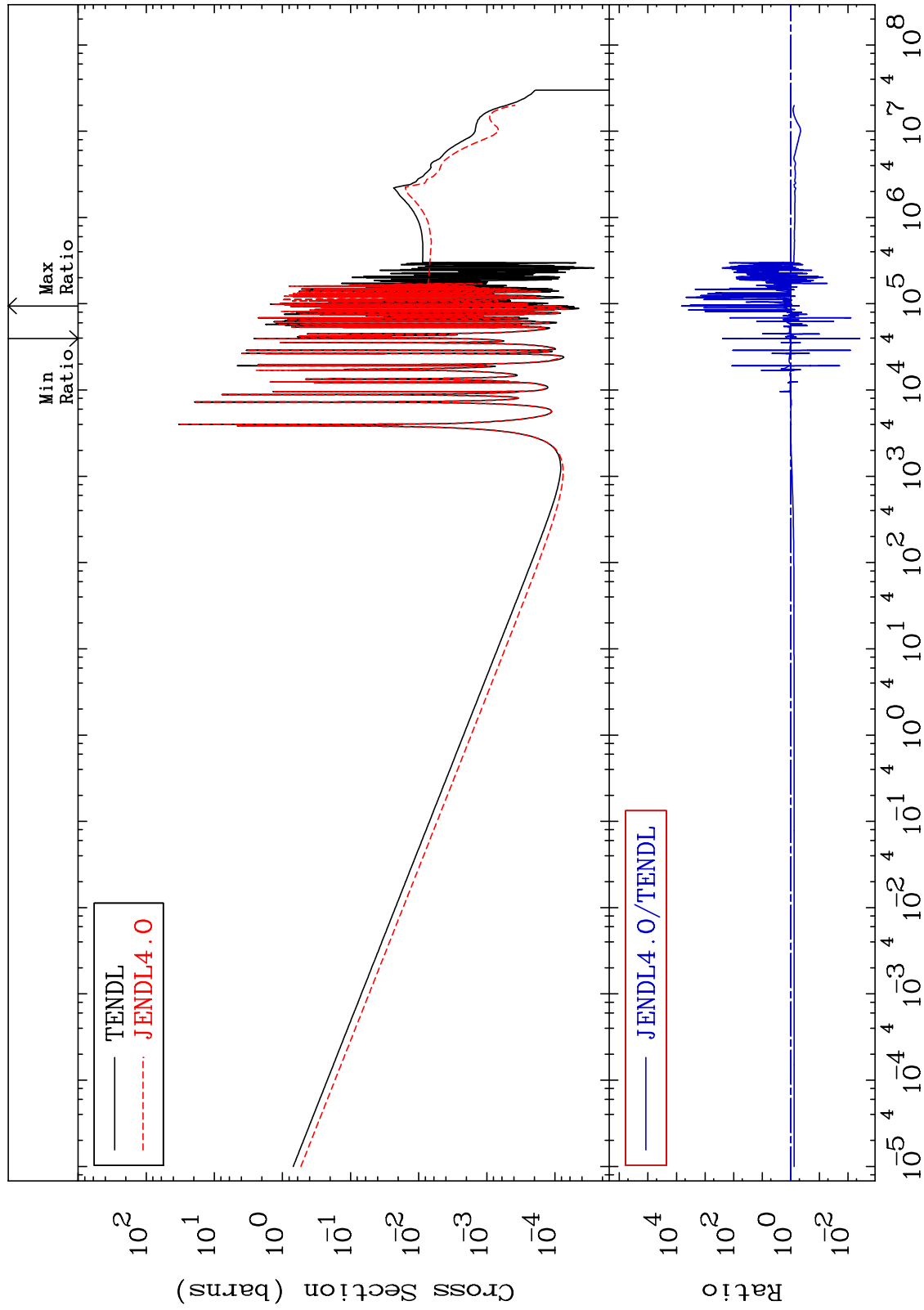
MAT 4025

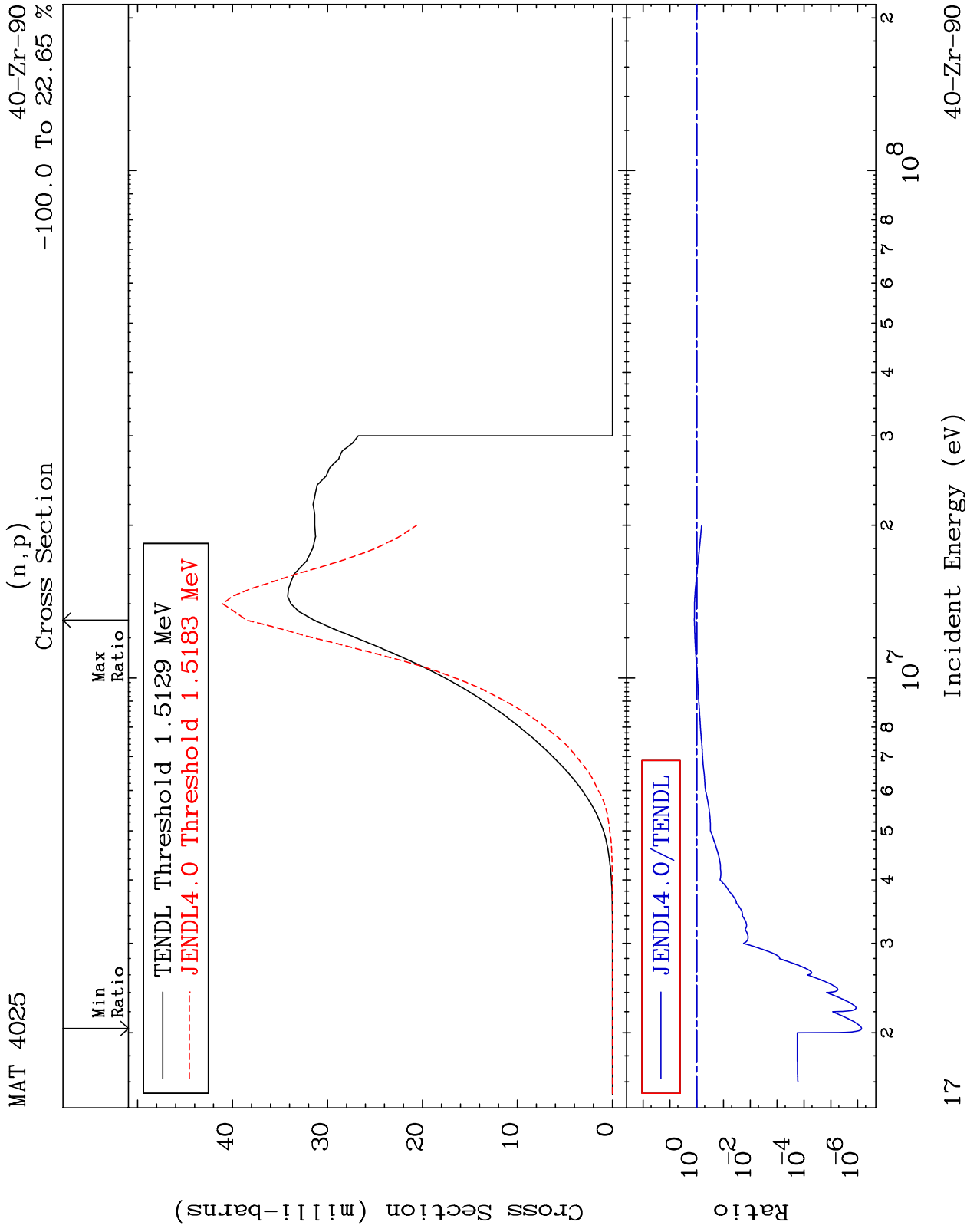
(n, γ)

40-Zr-90

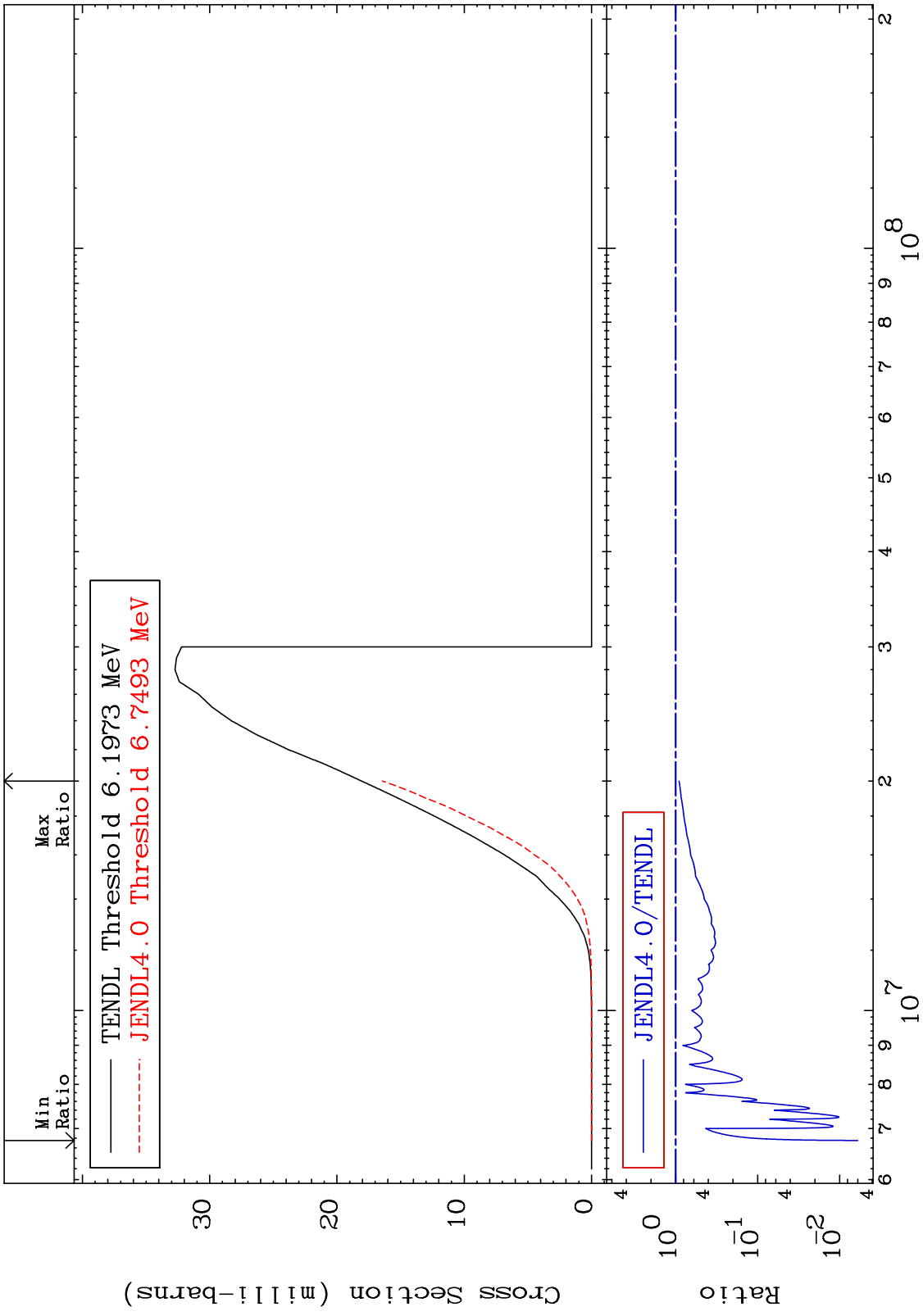
Cross Section

-99.61 To 9999. %

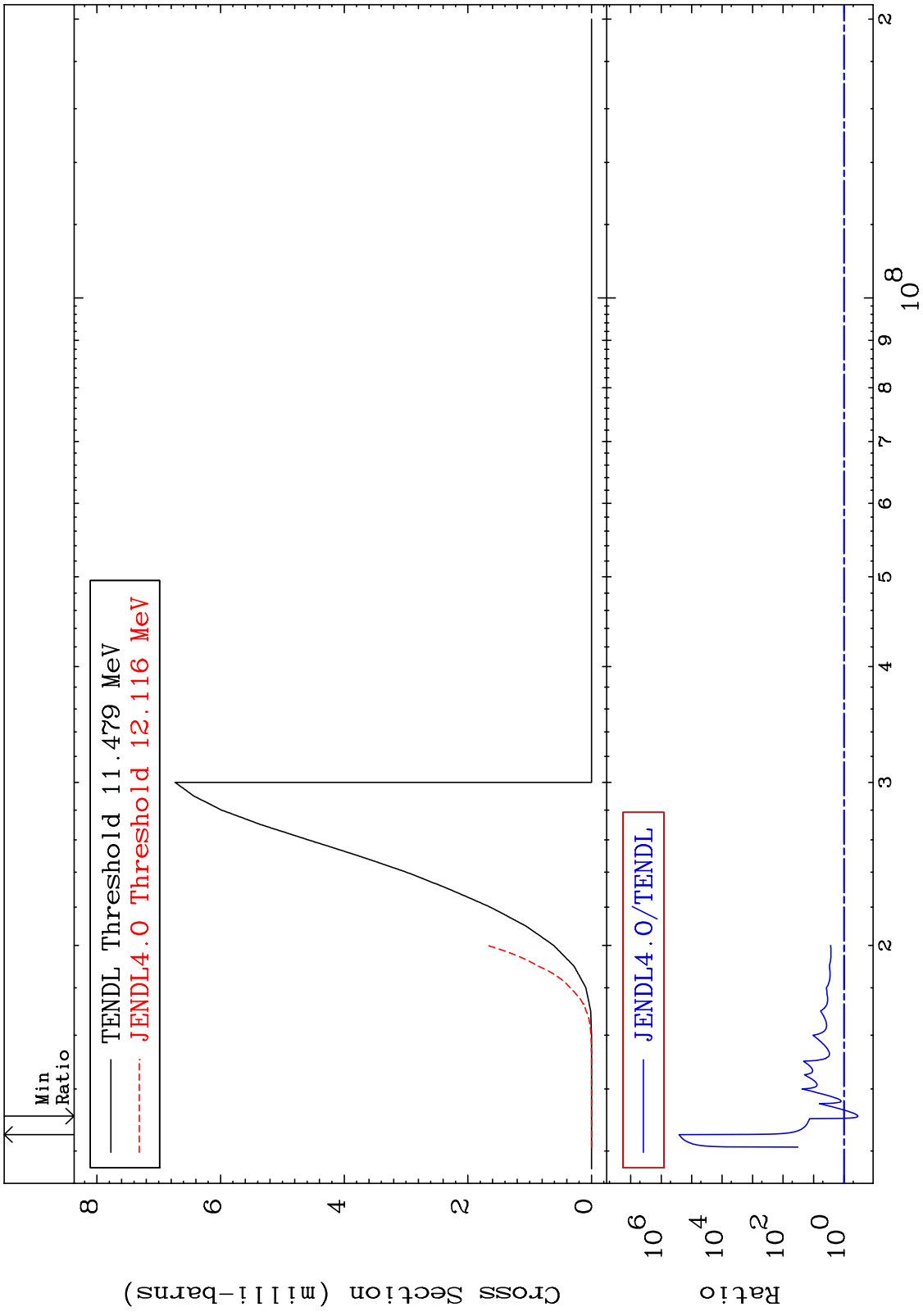




MAT 4025 (n,d) 40-Zr-90
 Cross Section -99.40 To -9.054%



MAT 4025 (n,t) 40-Zr-90
 Cross Section -64.75 To 9999. %



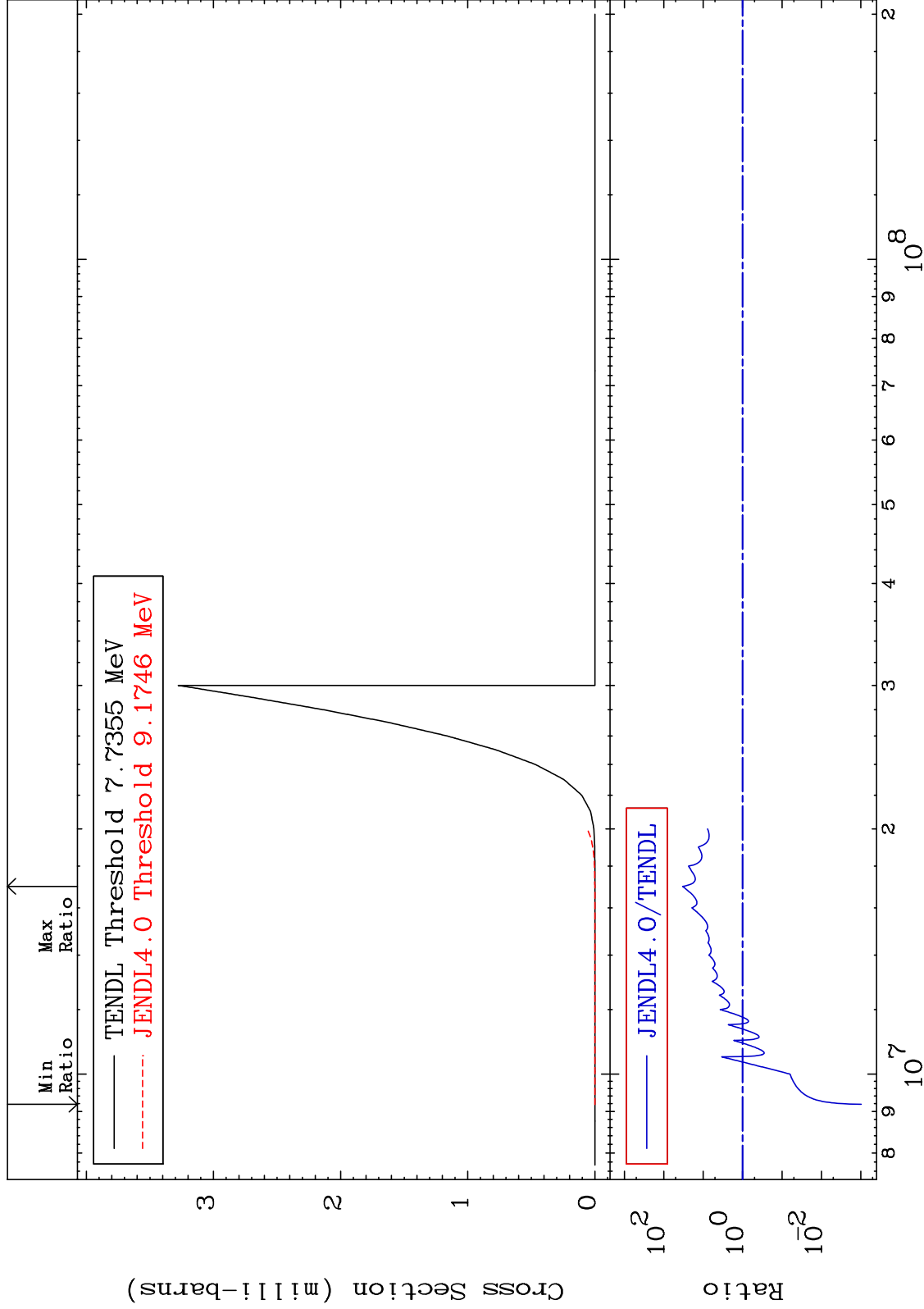
MAT 4025

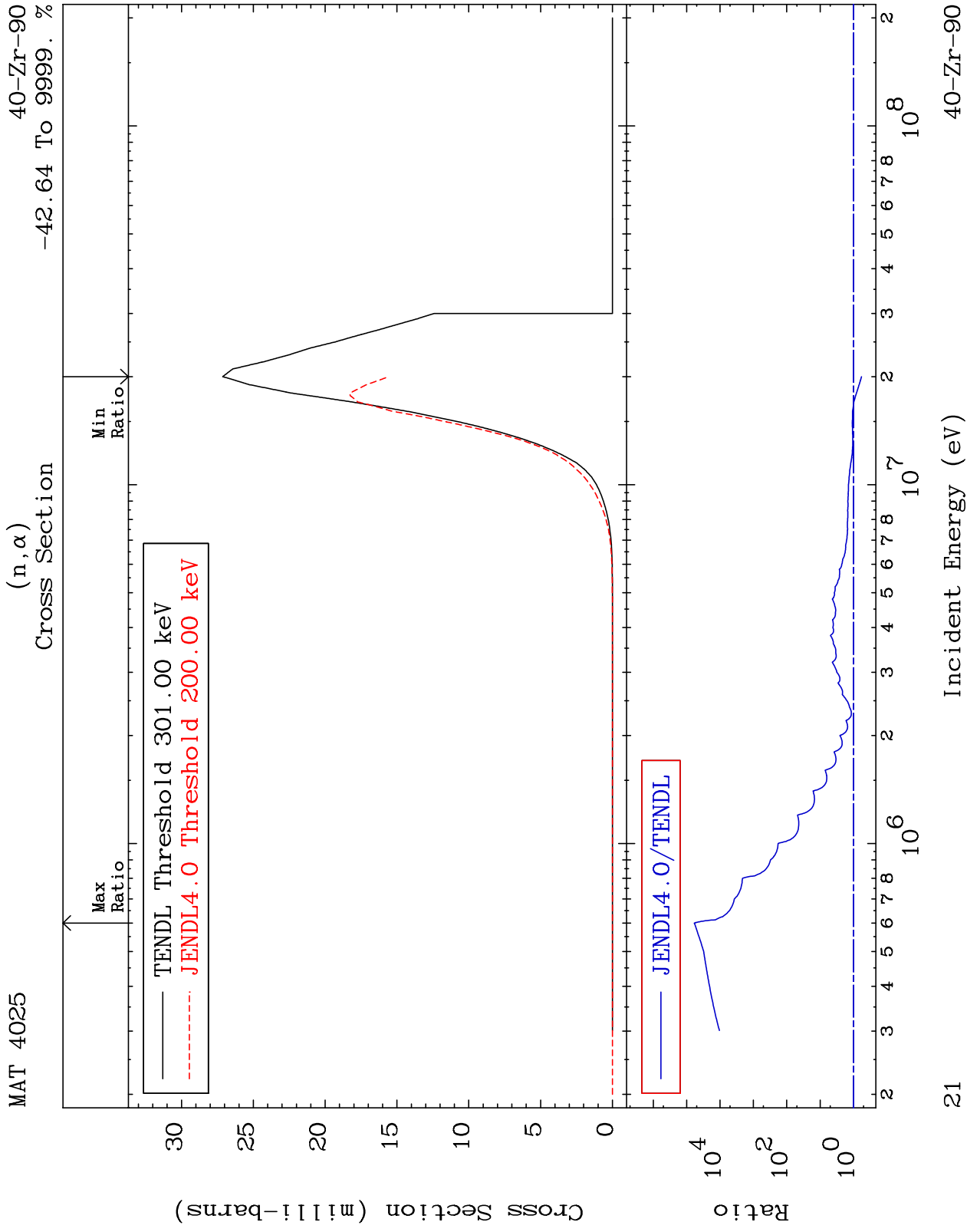
(n, He-3)

40-Zr-90

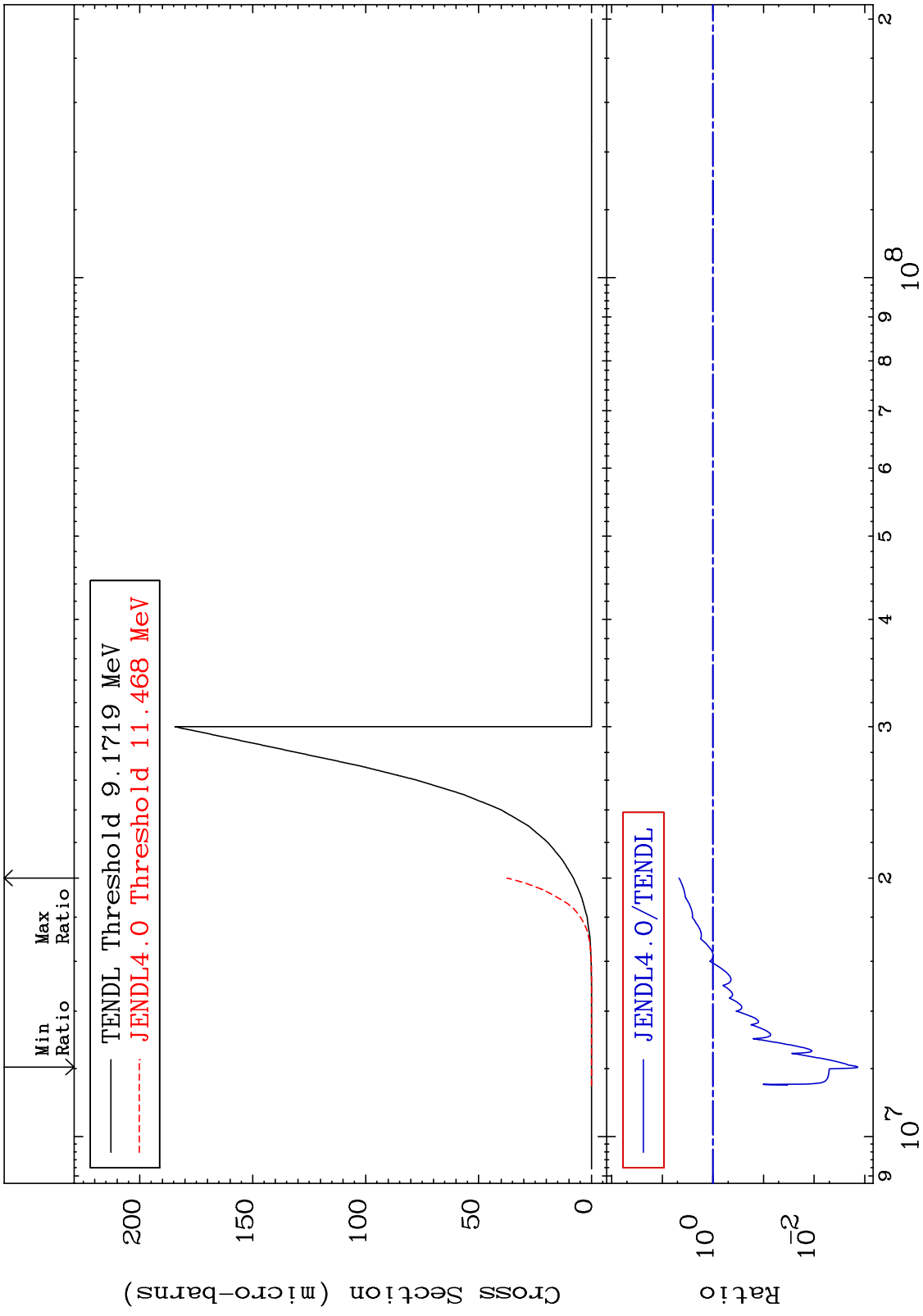
Cross Section

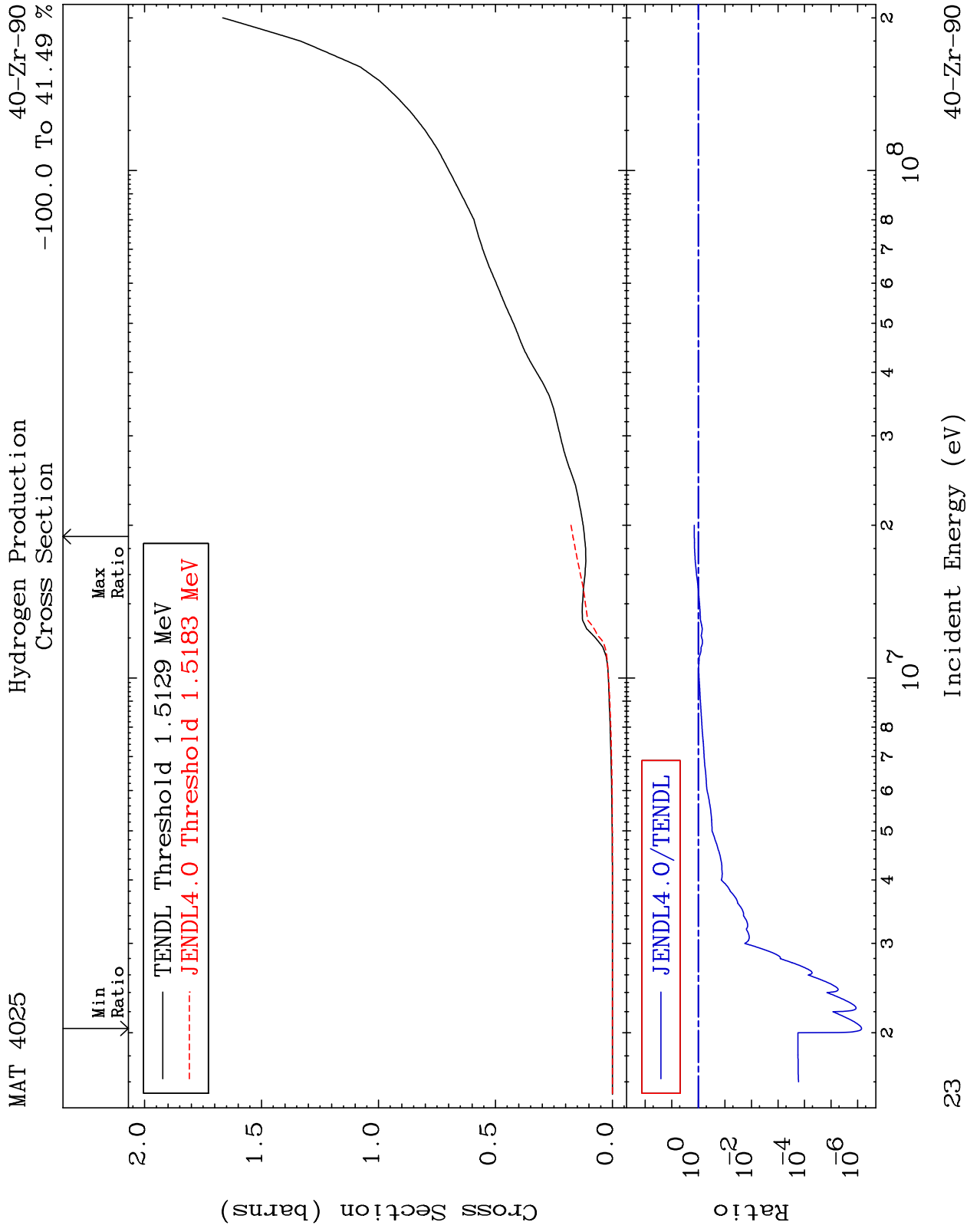
-99.90 To 3258. %



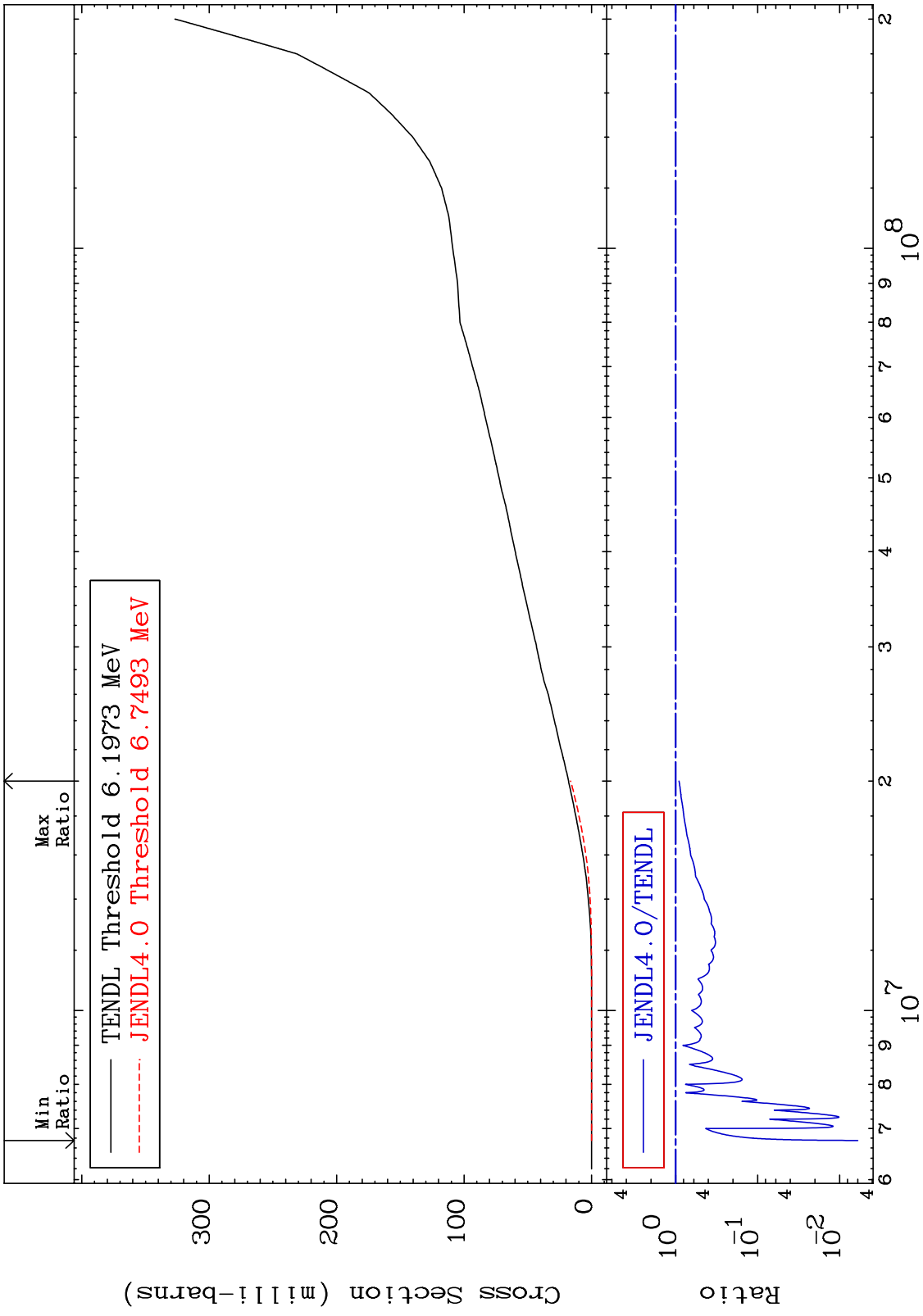


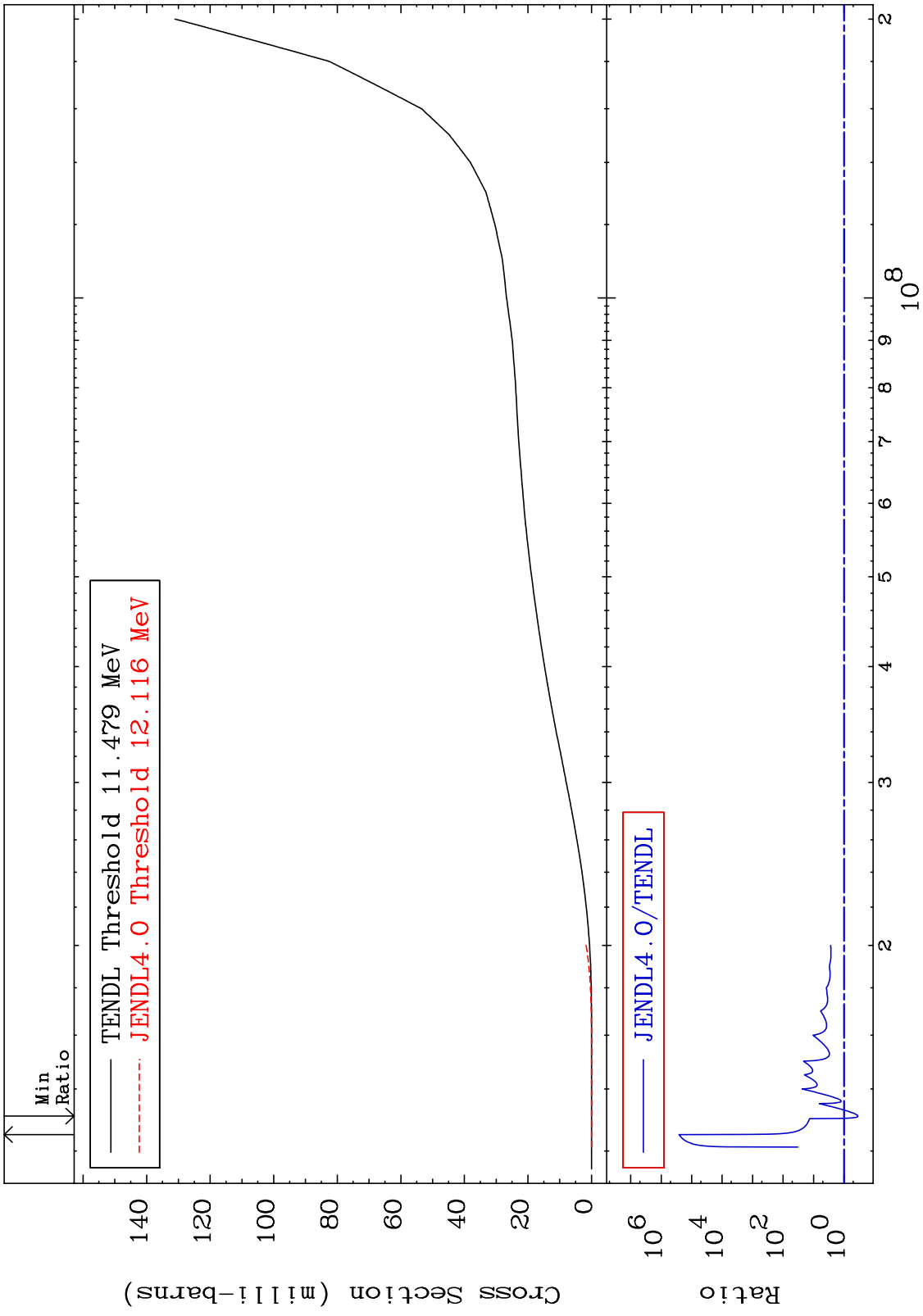
MAT 4025 (n,2p) Cross Section 40-Zr-90 -99.86 To 367.0 %



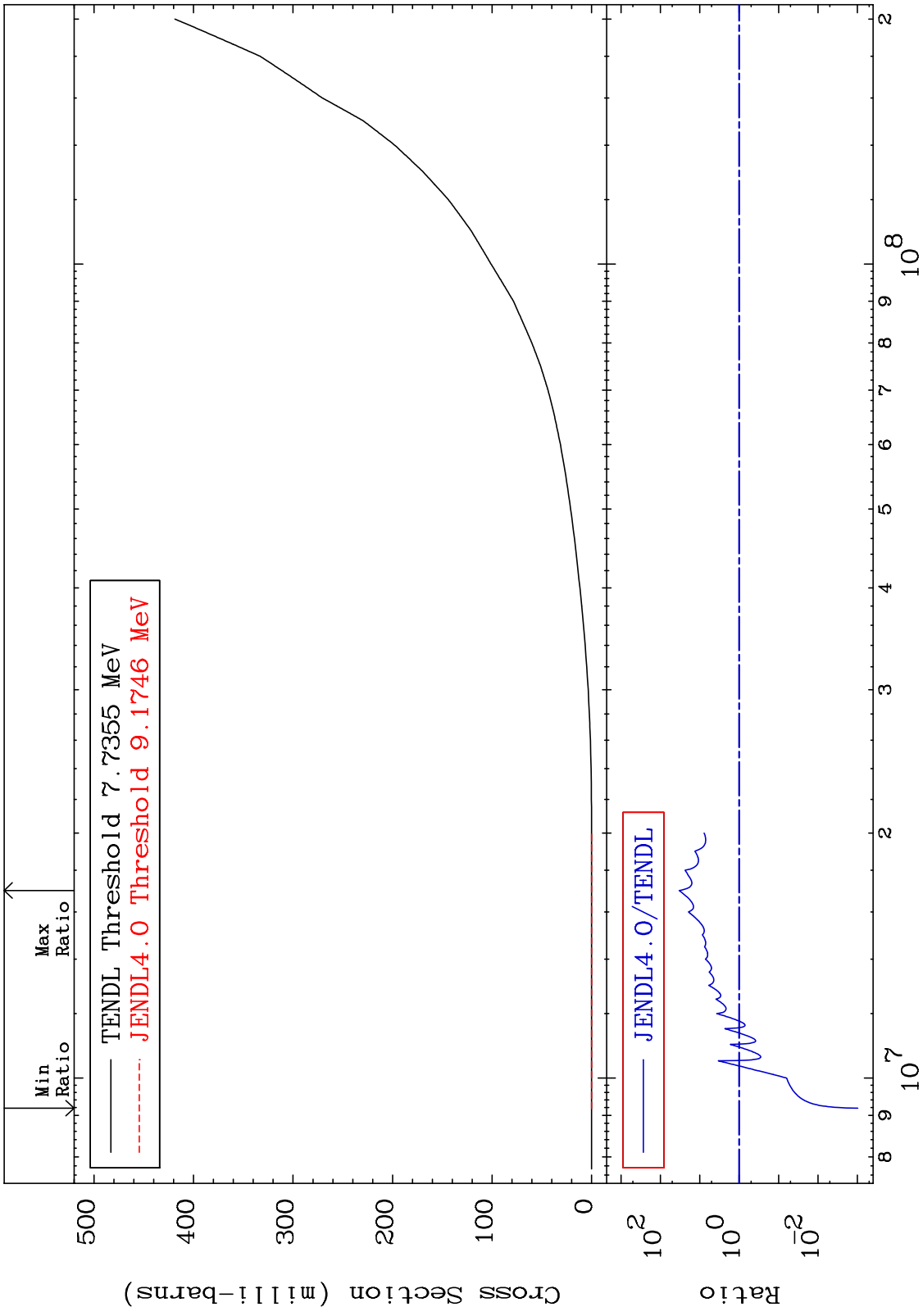


MAT 4025 Deuterium Production Cross Section 40-Zr-90 -99.40 To -9.056%

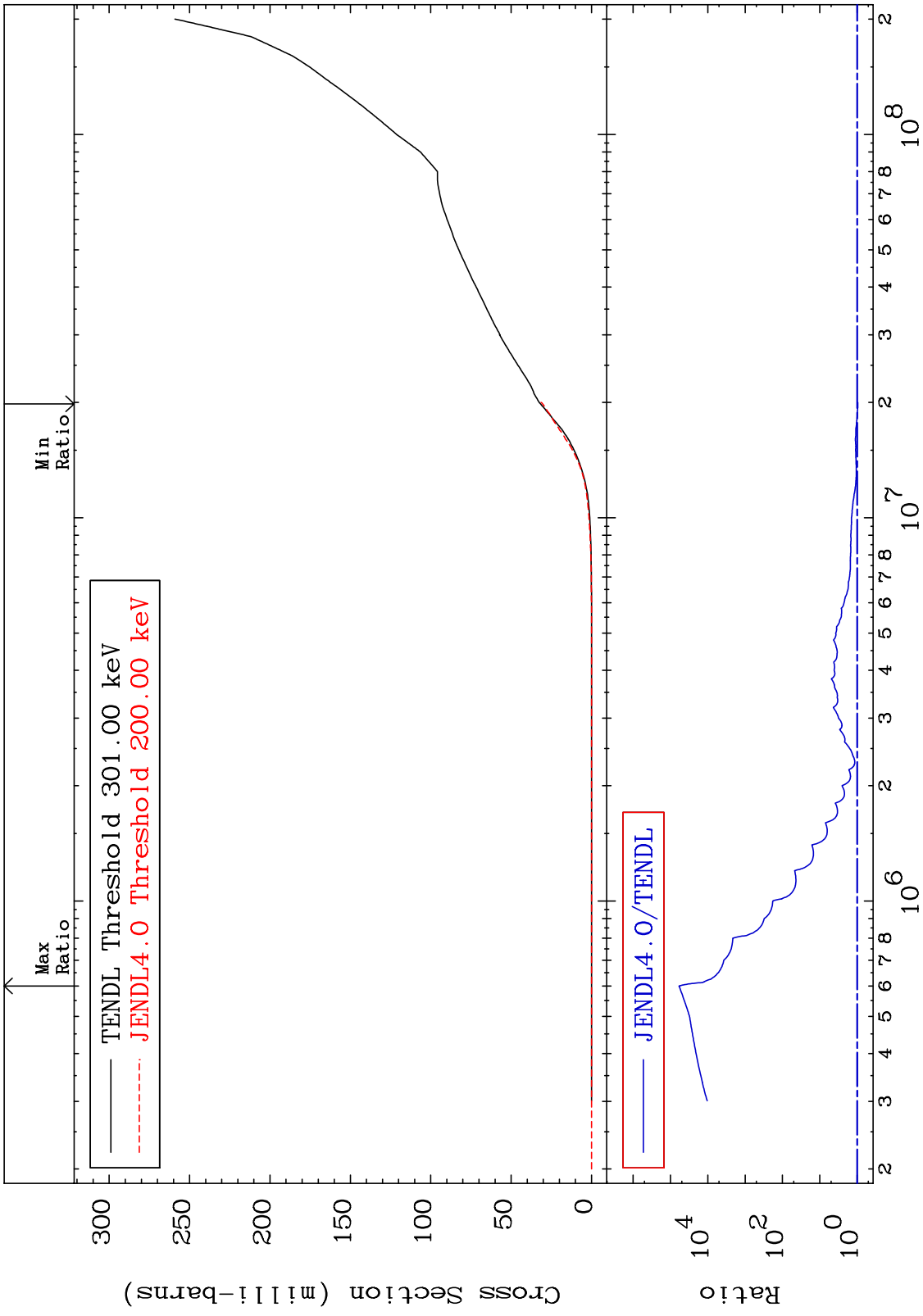




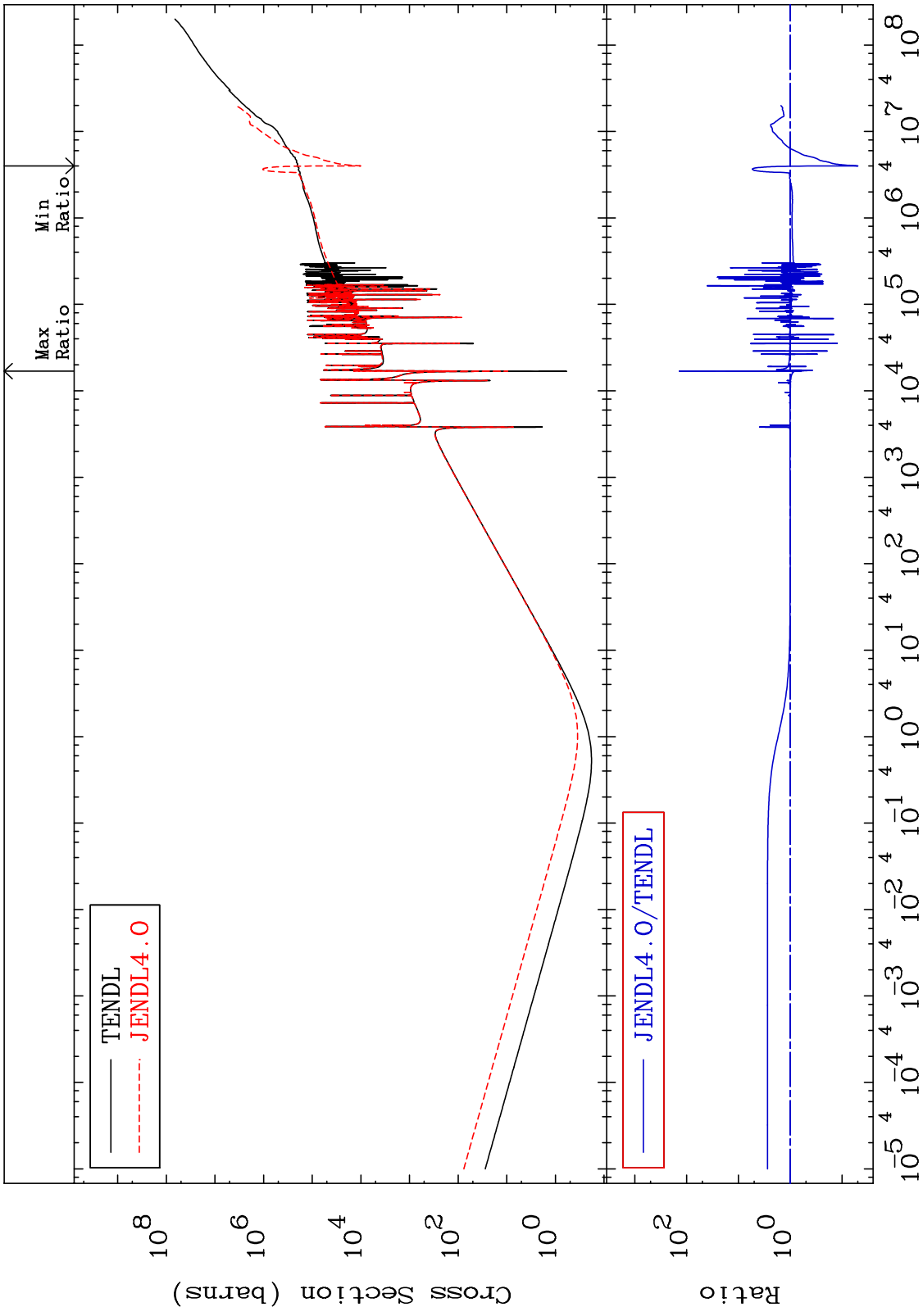
MAT 4025 He-3 Production Cross Section 40-Zr-90
 -99.90 To 3258. %



MAT 4025 He-4 Production Cross Section 40-Zr-90
 -4.157 To 9999. %



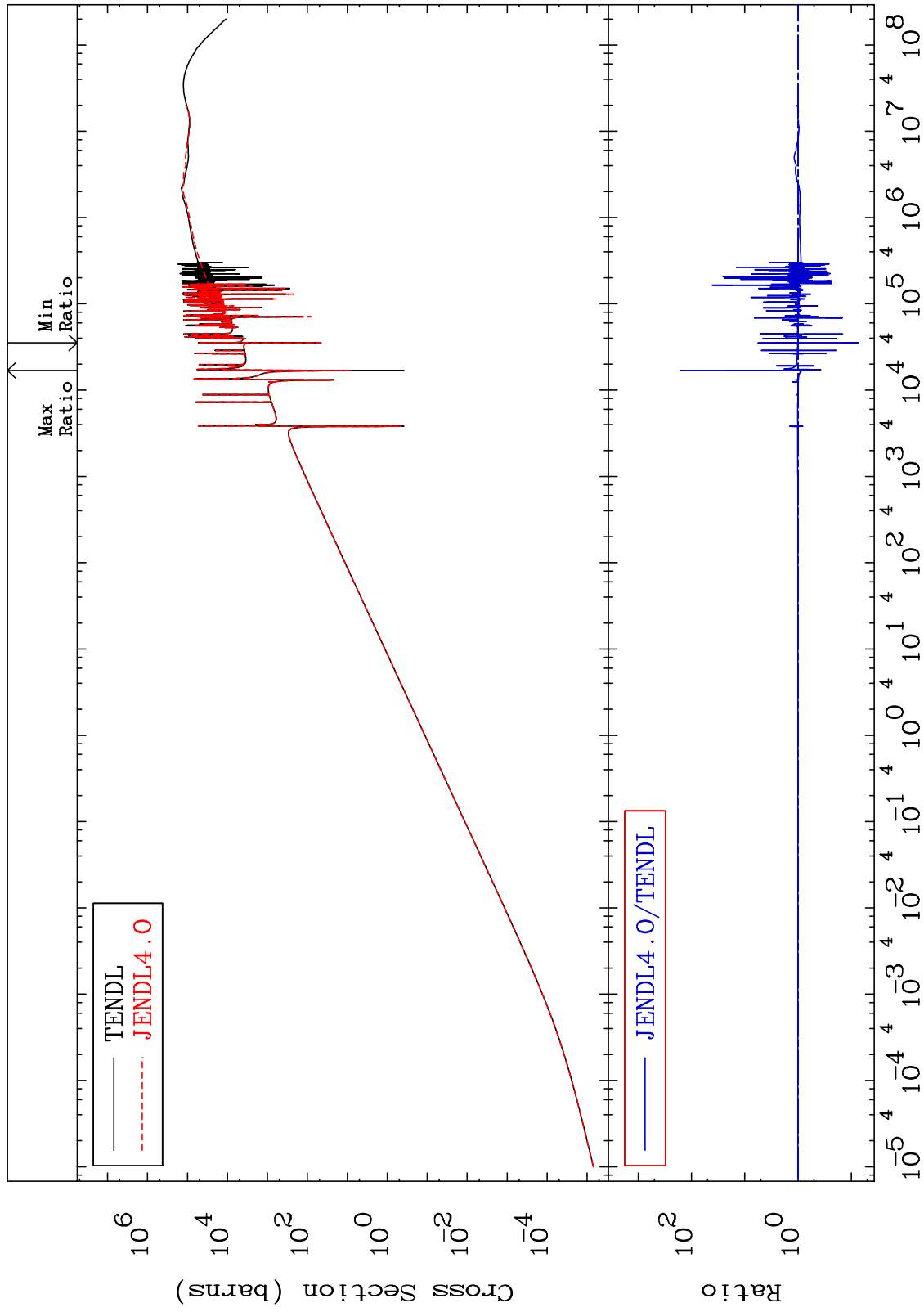
MAT 4025 Kerma total (eV-barns) Cross Section 40-Zr-90
 -95.02 To 9999. %



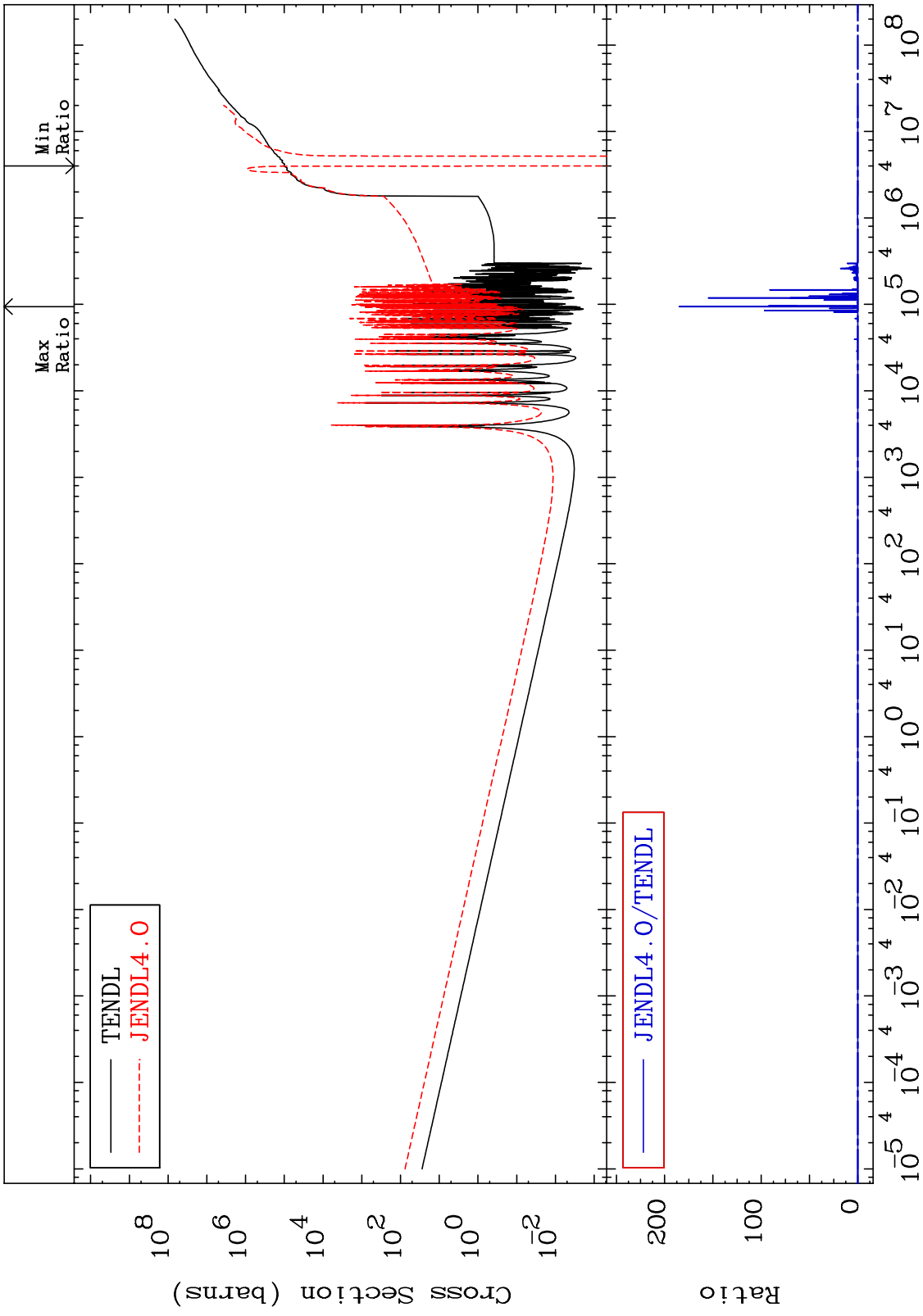
MAT 4025

Kerma elastic
Cross Section

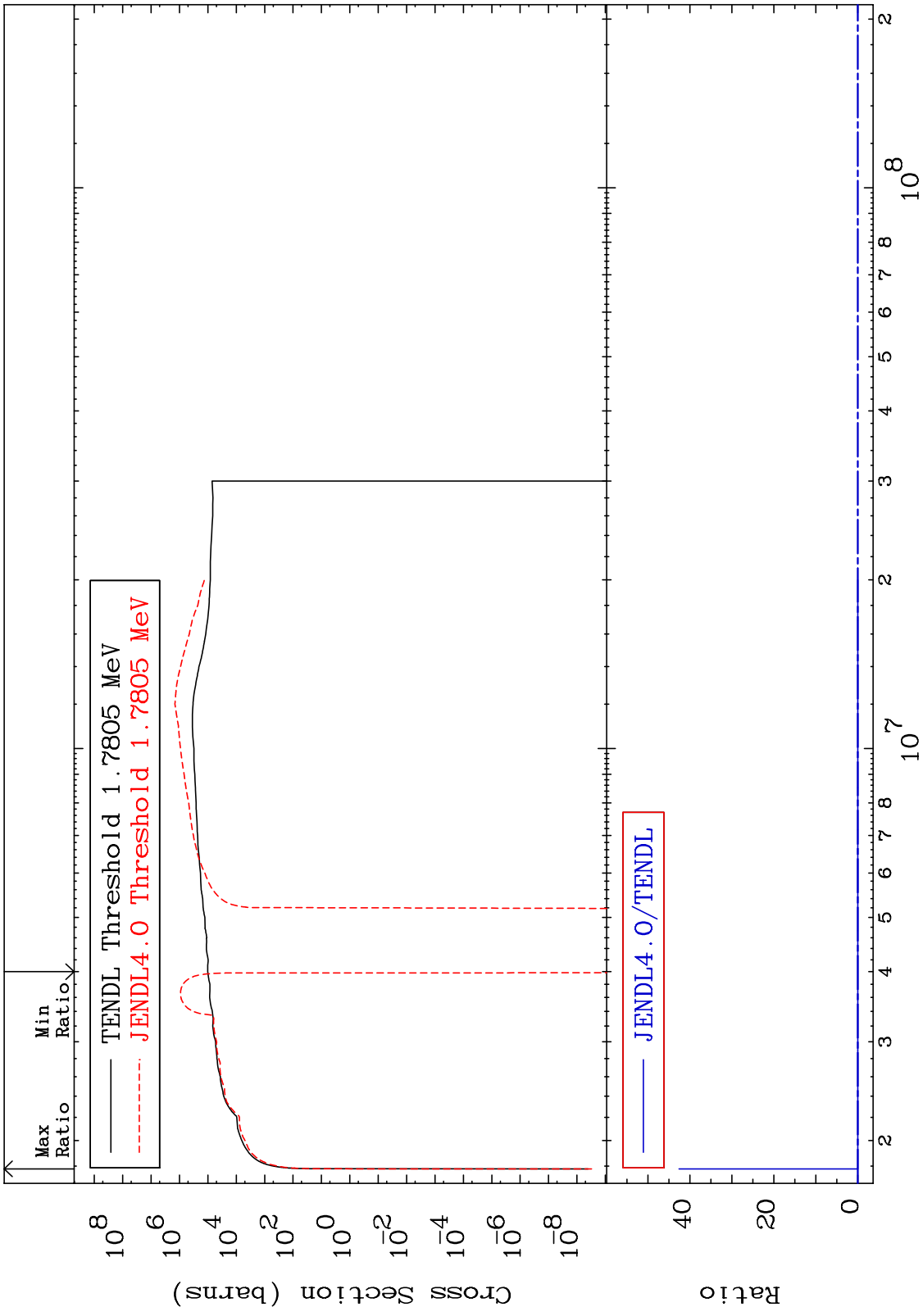
40-Zr-90
-92.85 To 9999. %



MAT 4025 Kerma non-elastic (all but mt2) 40-Zr-90
 Cross Section -197.5 To 9999. %



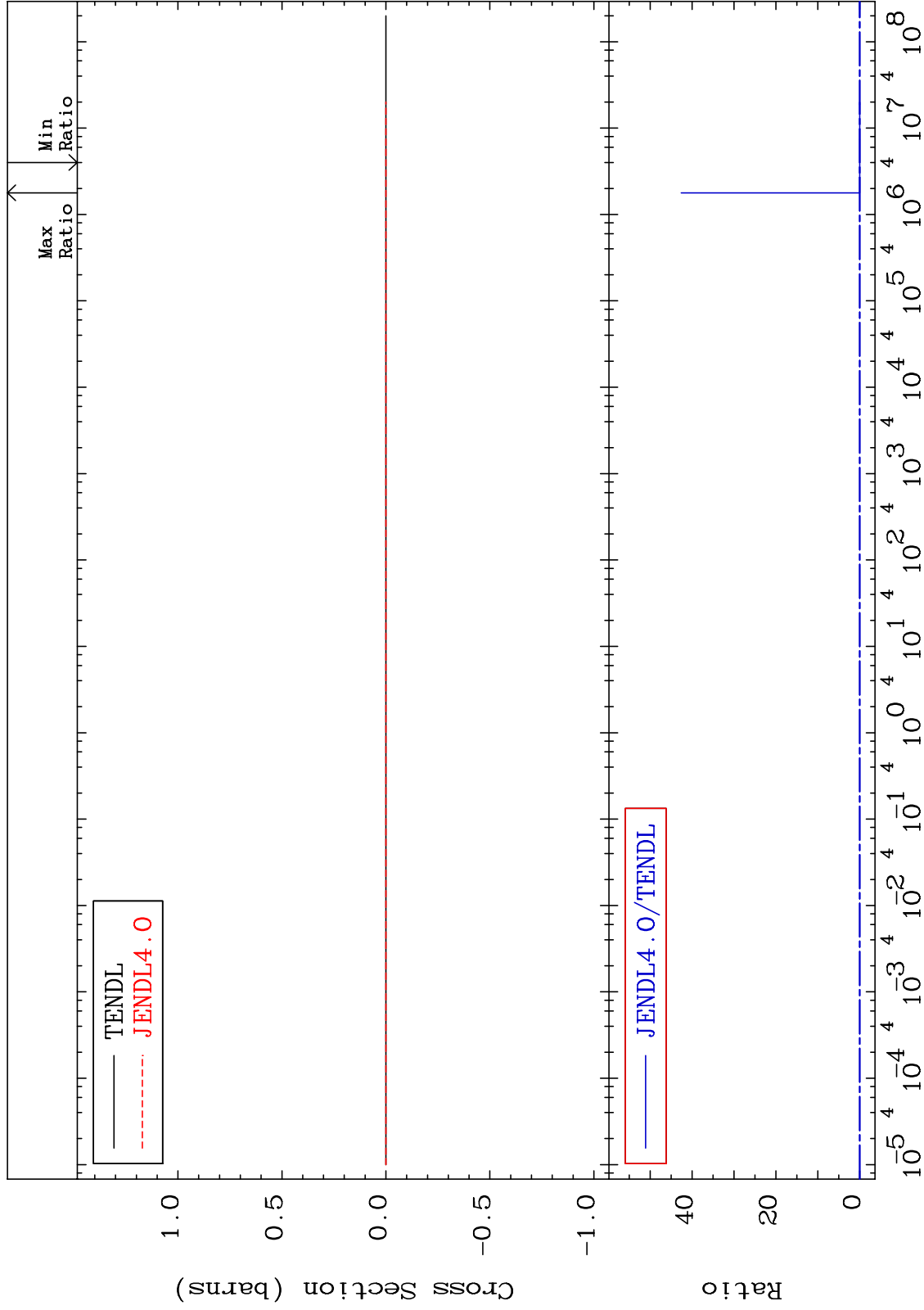
30 Incident Energy (eV) 40-Zr-90



MAT 4025

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

40-Zr-90
-198.0 To 9999. %



32

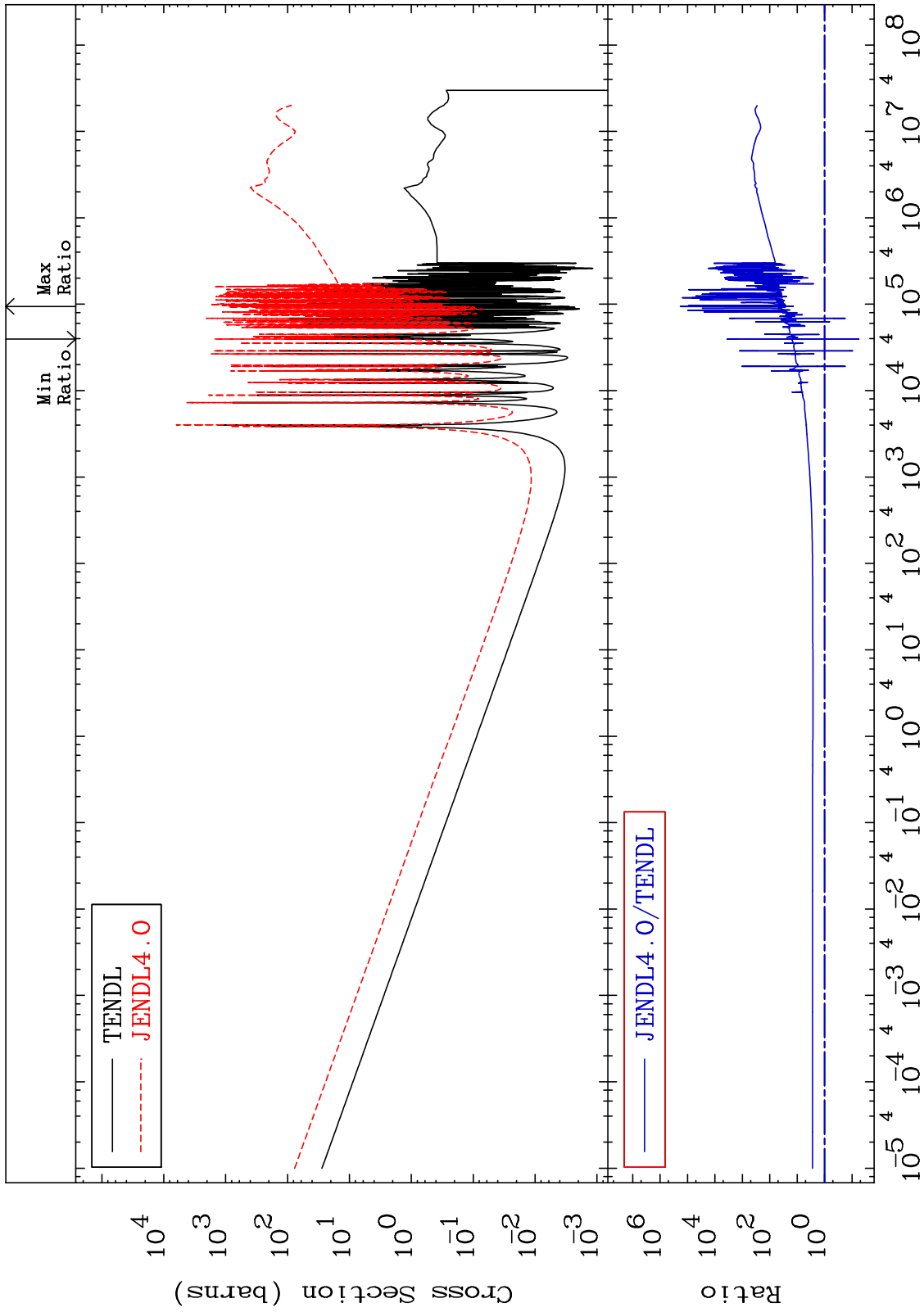
Incident Energy (eV)

40-Zr-90

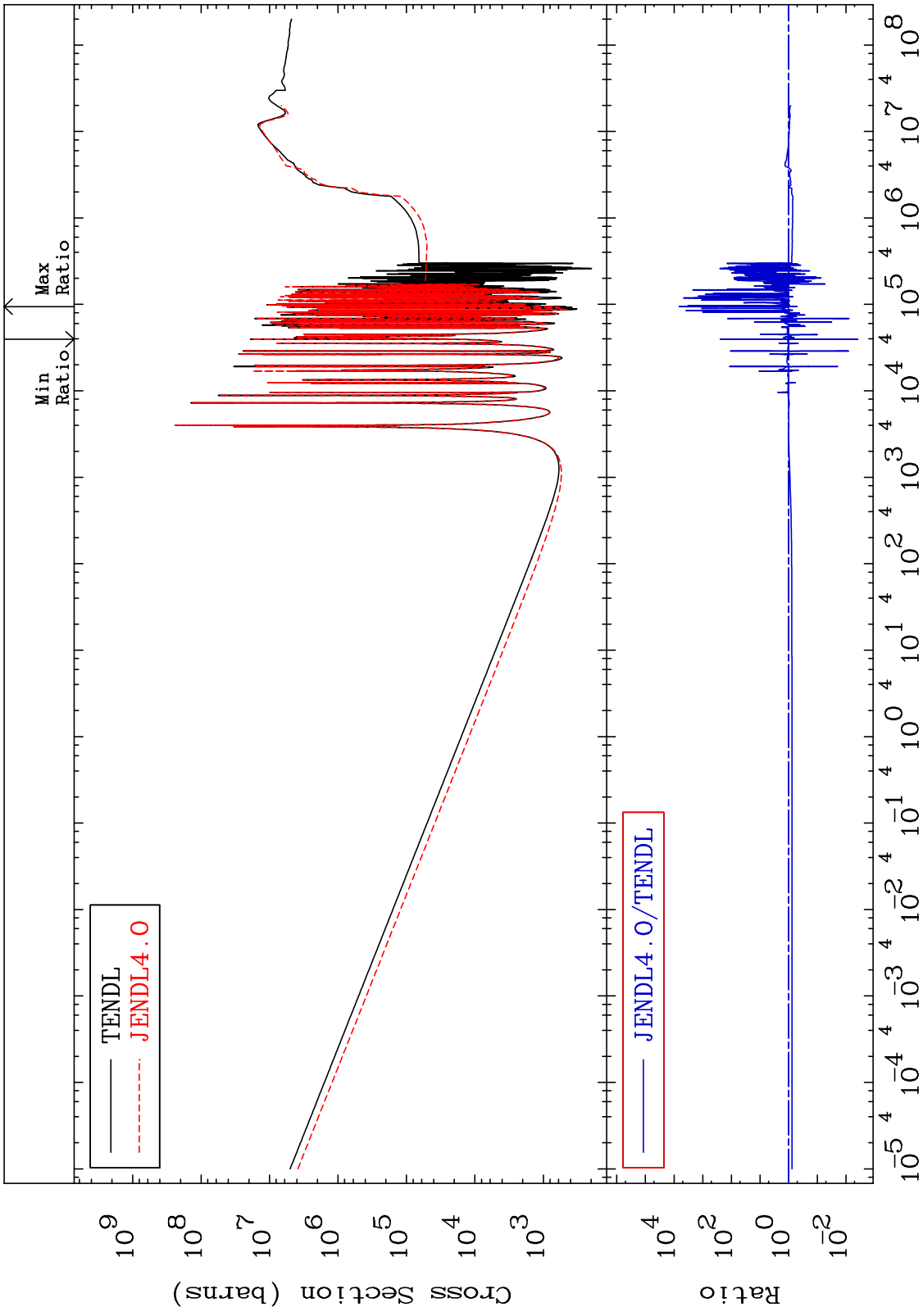
MAT 4025

Kerma capture (mt102)
Cross Section

40-Zr-90
-94.38 To 9999. %

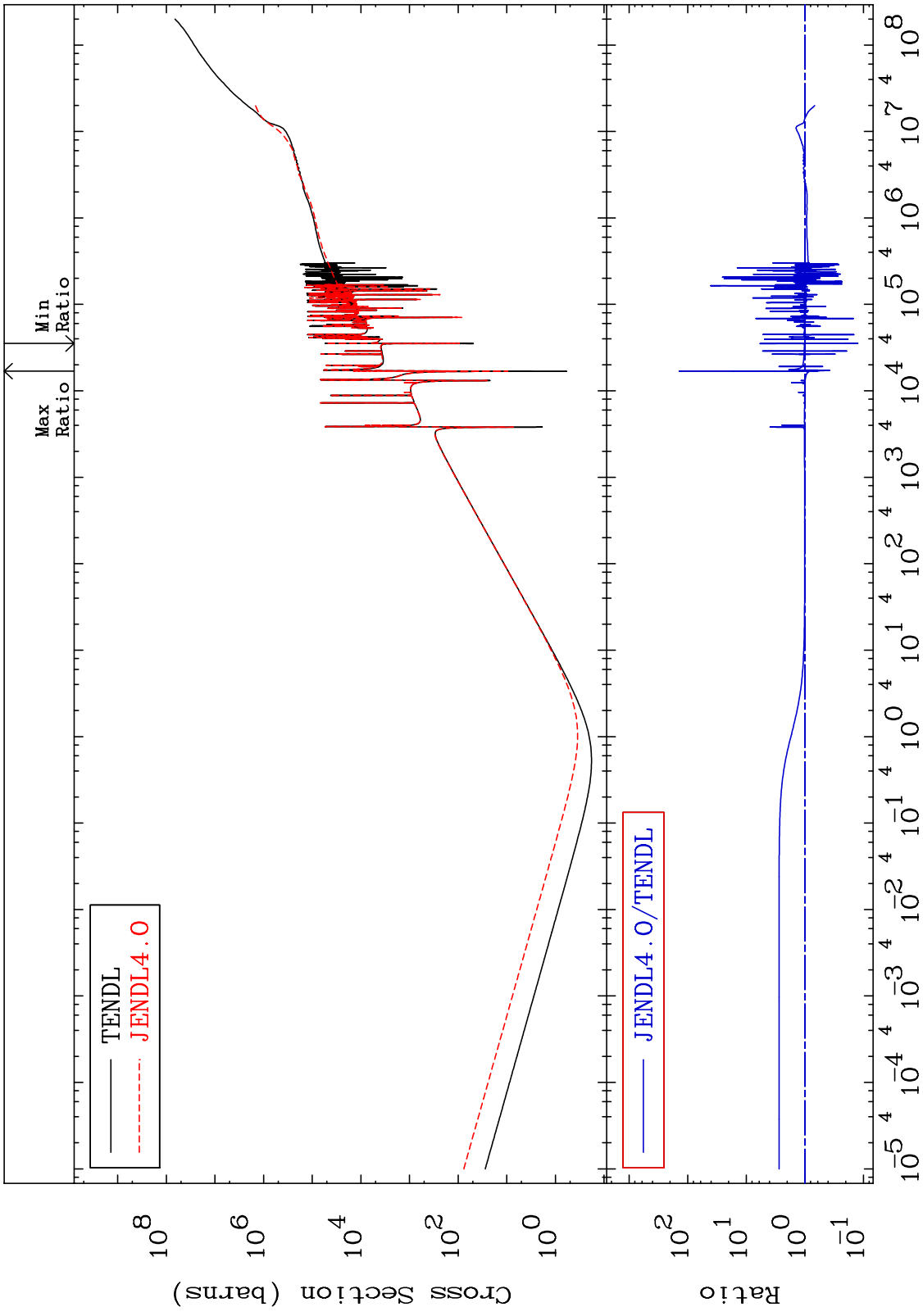


MAT 4025 40-Zr-90
 Total photon (eV-barns)
 Cross Section -99.61 To 9999. %

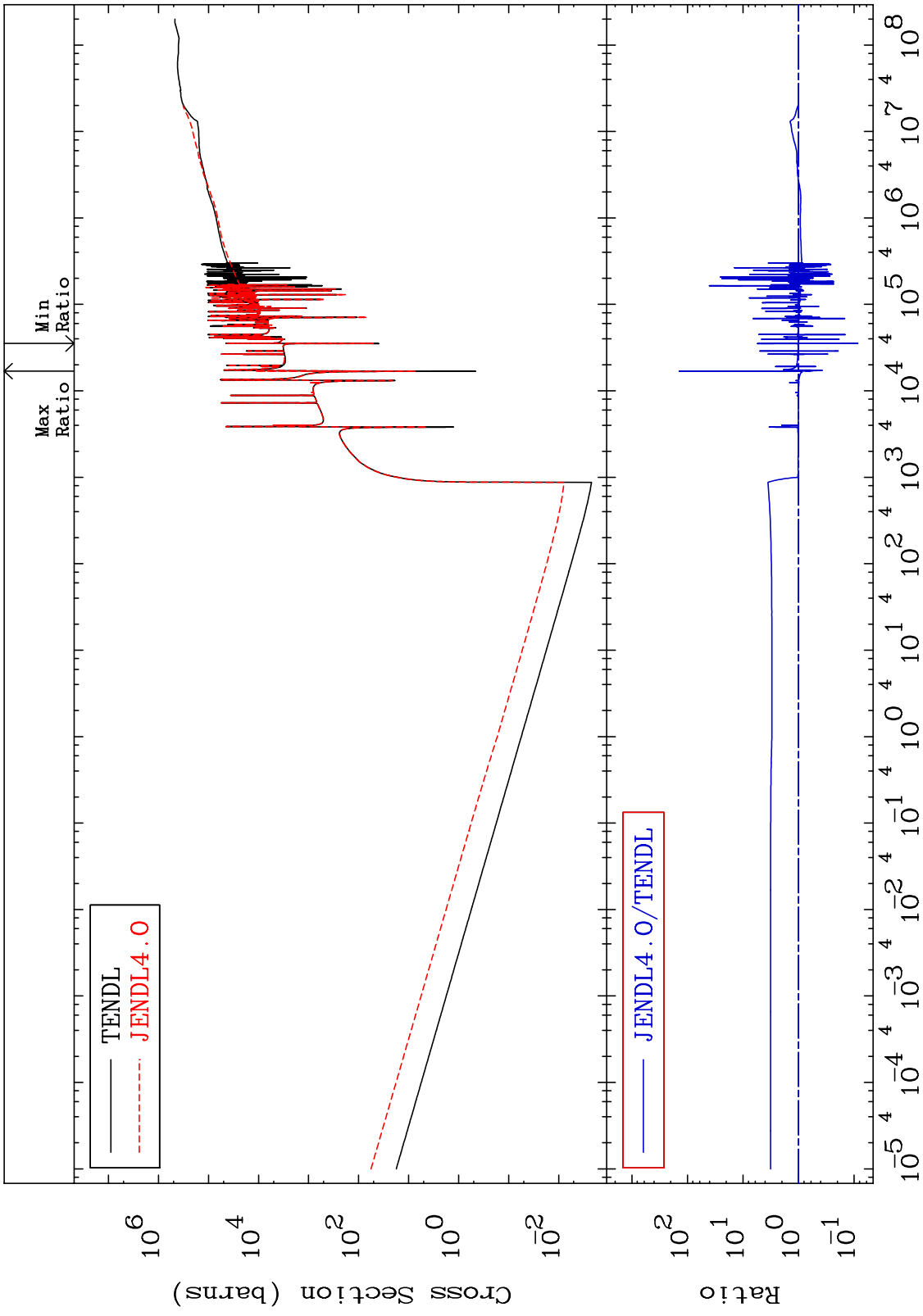


Incident Energy (eV) 40-Zr-90

MAT 4025 Total kinematic kerma (high limit) 40-Zr-90
Cross Section -87.55 To 9999. %



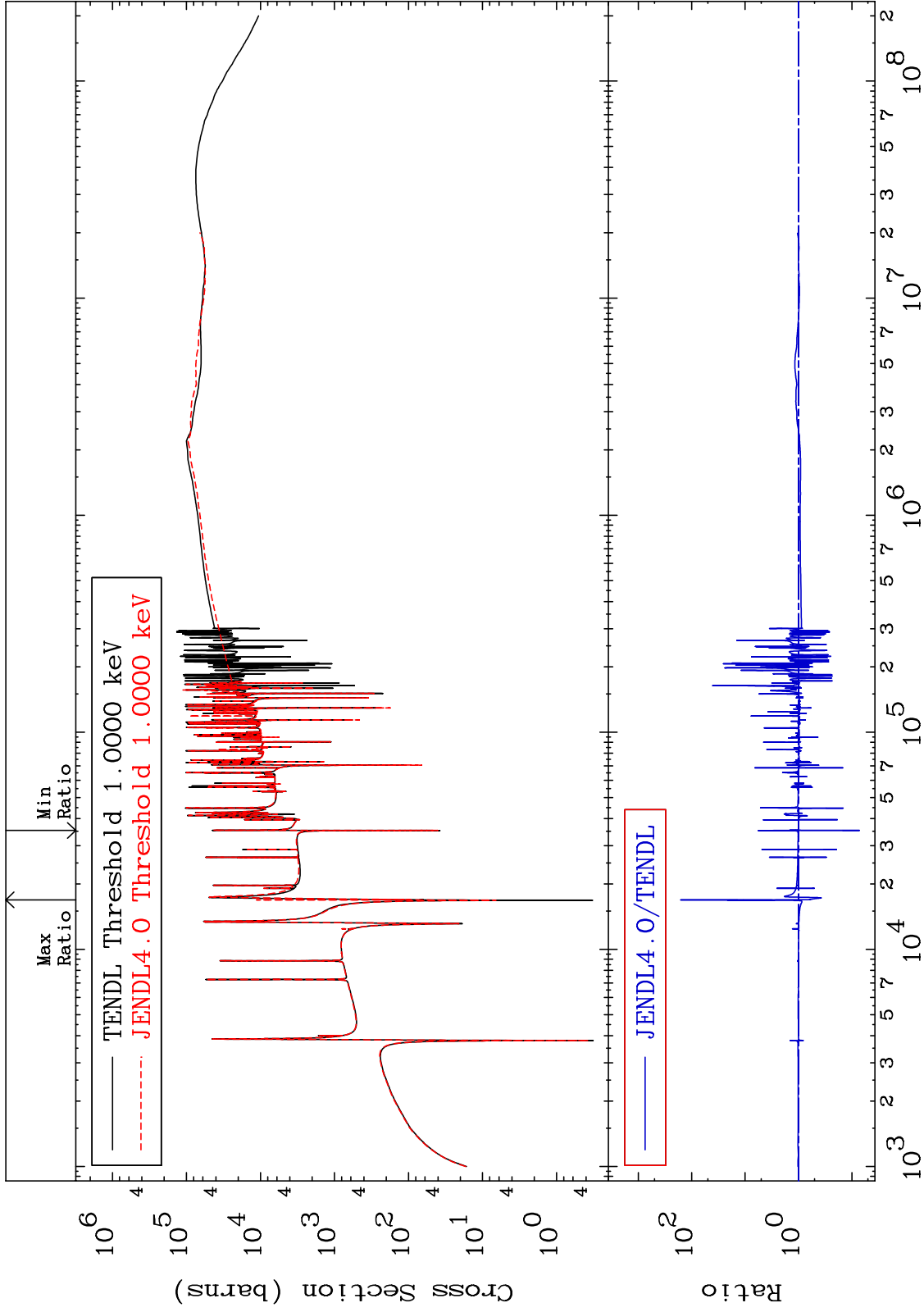
MAT 4025 Dpa total (eV-barns) 40-Zr-90
 Cross Section -91.42 To 9999. %



MAT 4025

Dpa elastic (mt2)
Cross Section

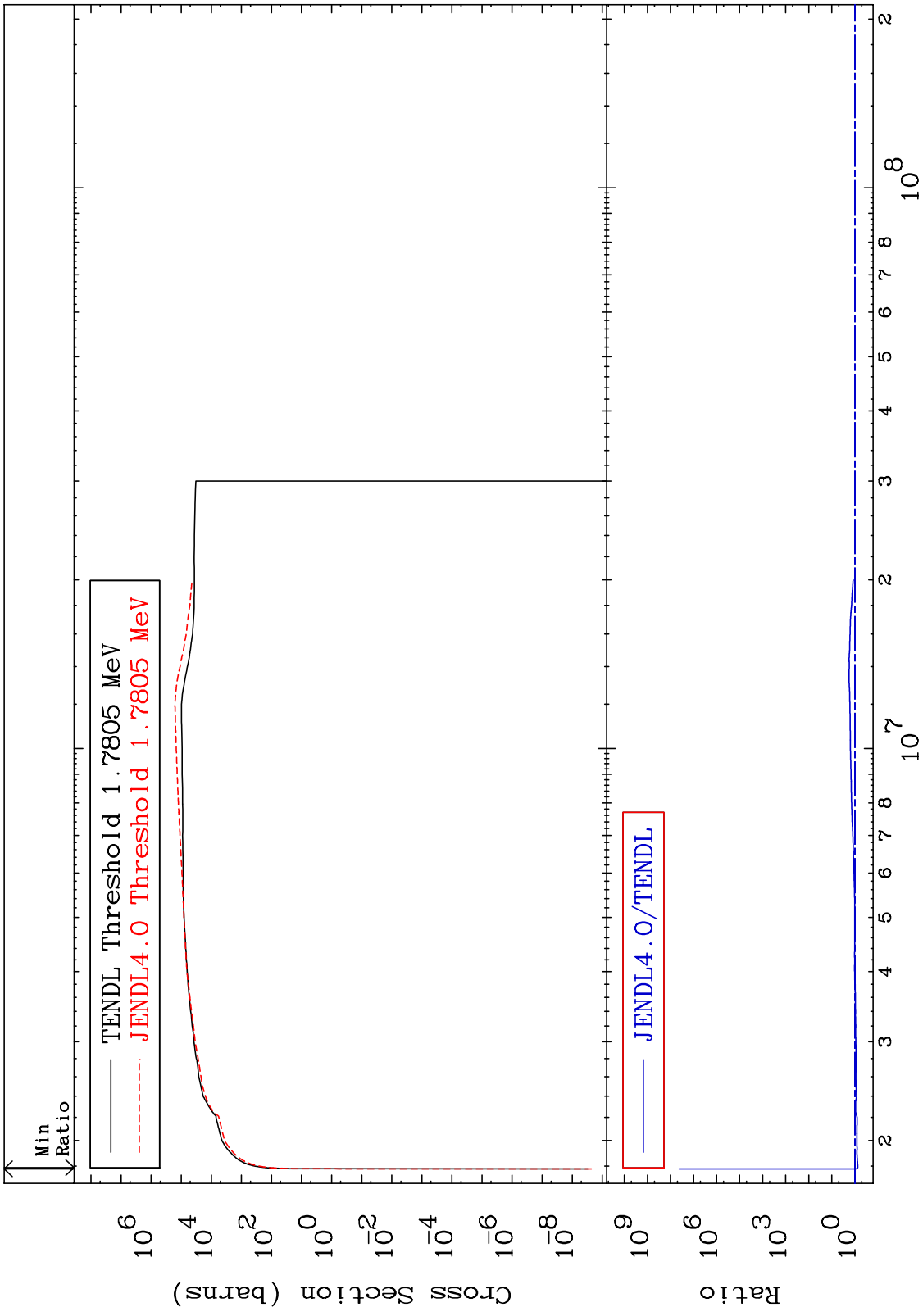
40-Zr-90
-92.85 To 9999. %



37

40-Zr-90

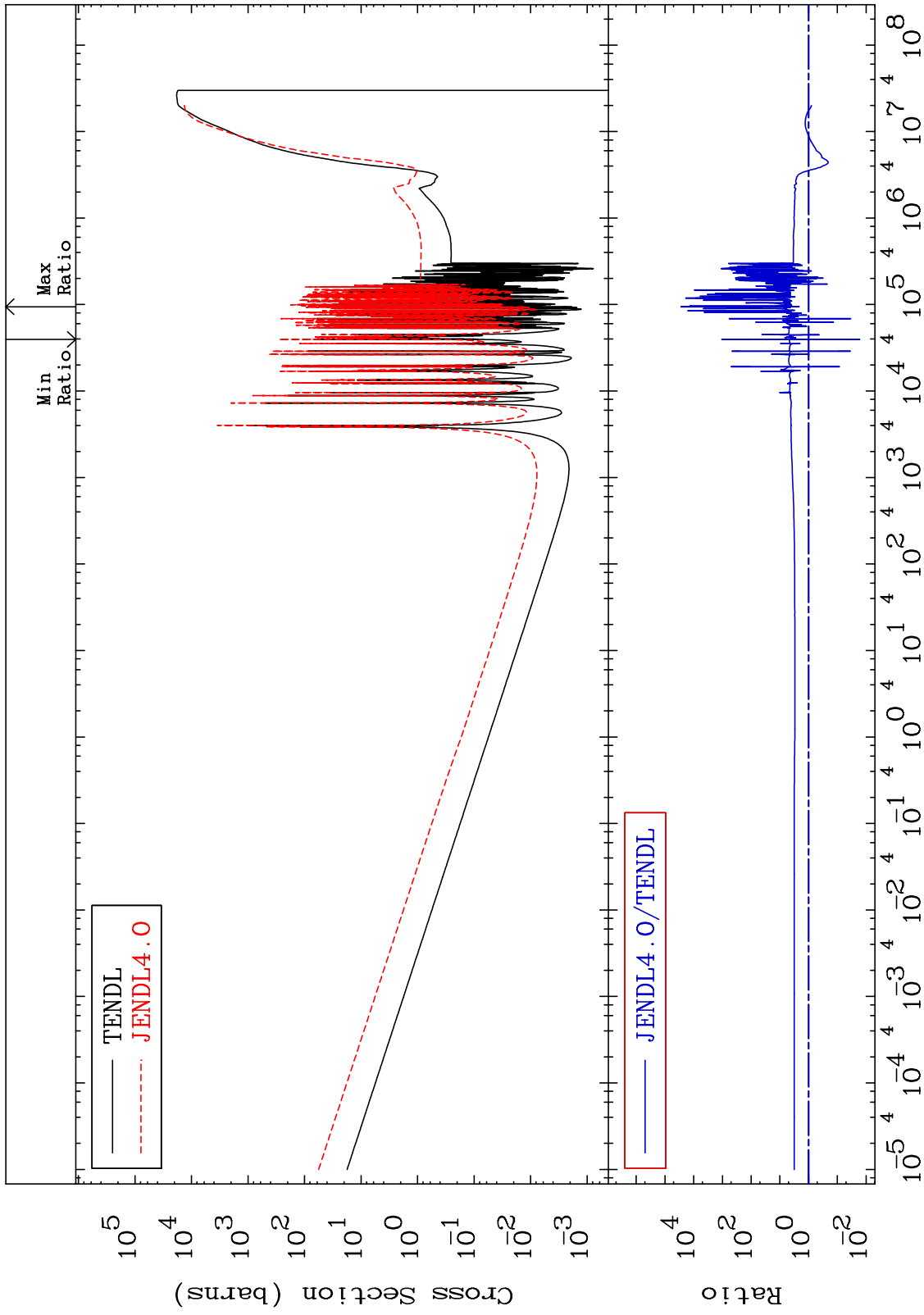
MAT 4025 Dpa inelastic (mt51-91) 40-Zr-90
 Cross Section -25.76 To 9999. %



MAT 4025

Dpa disappearance (mt102 -120)
Cross Section

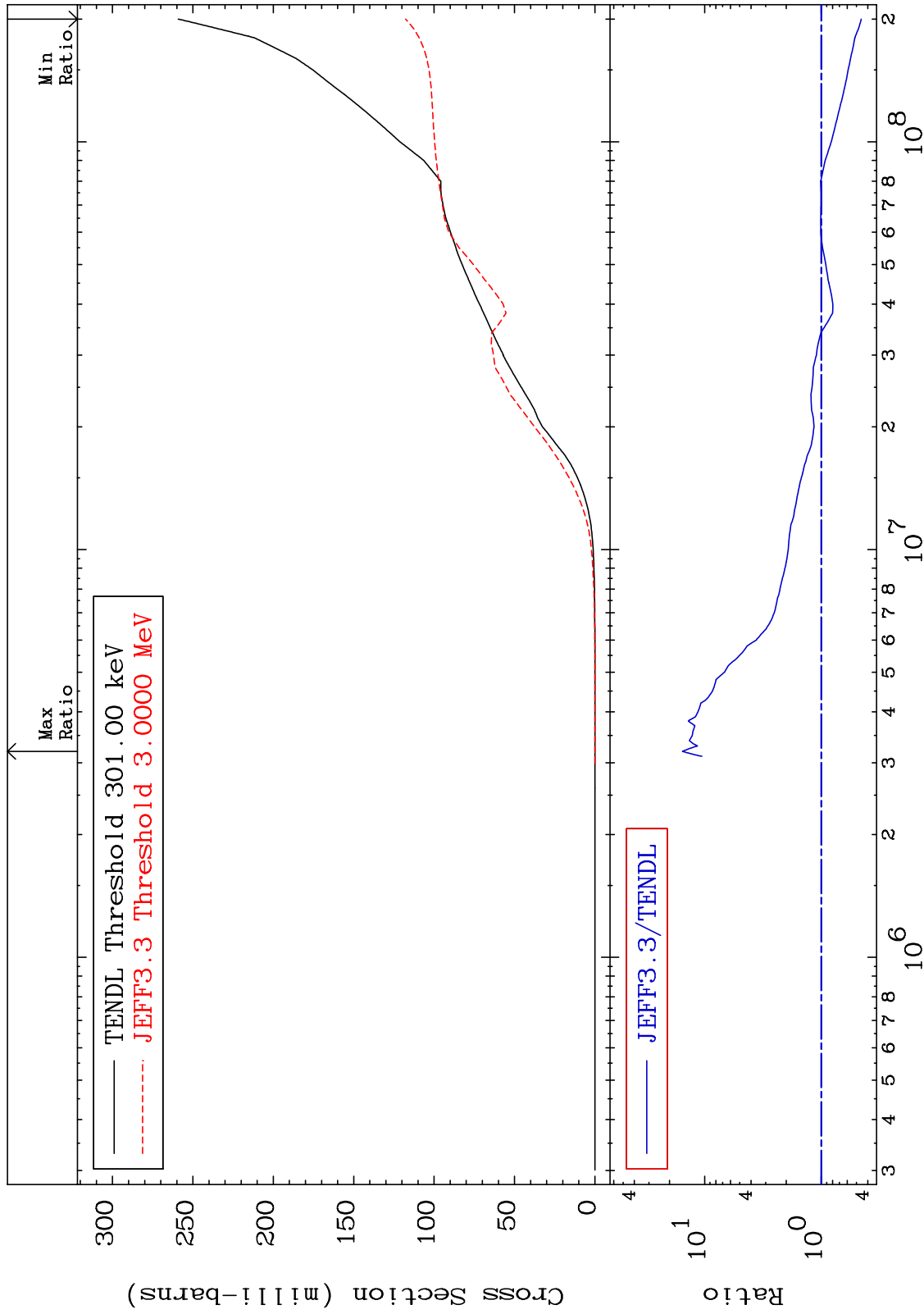
40-Zr-90
-98.32 To 9999. %



MAT 4025

He-4 Production
Cross Section

40-Zr-90
-54.58 To 1449. %

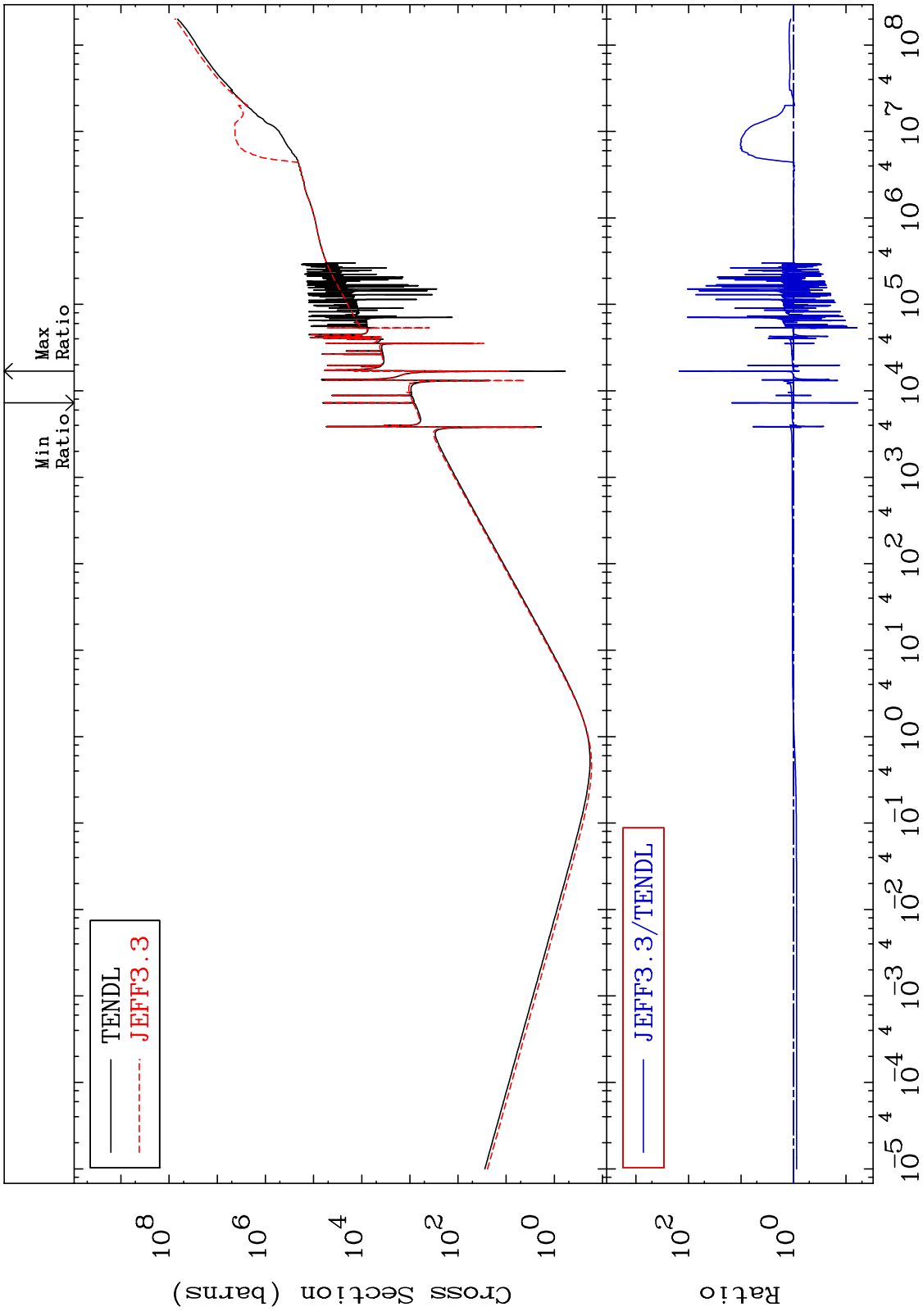


40

Incident Energy (eV)

40-Zr-90

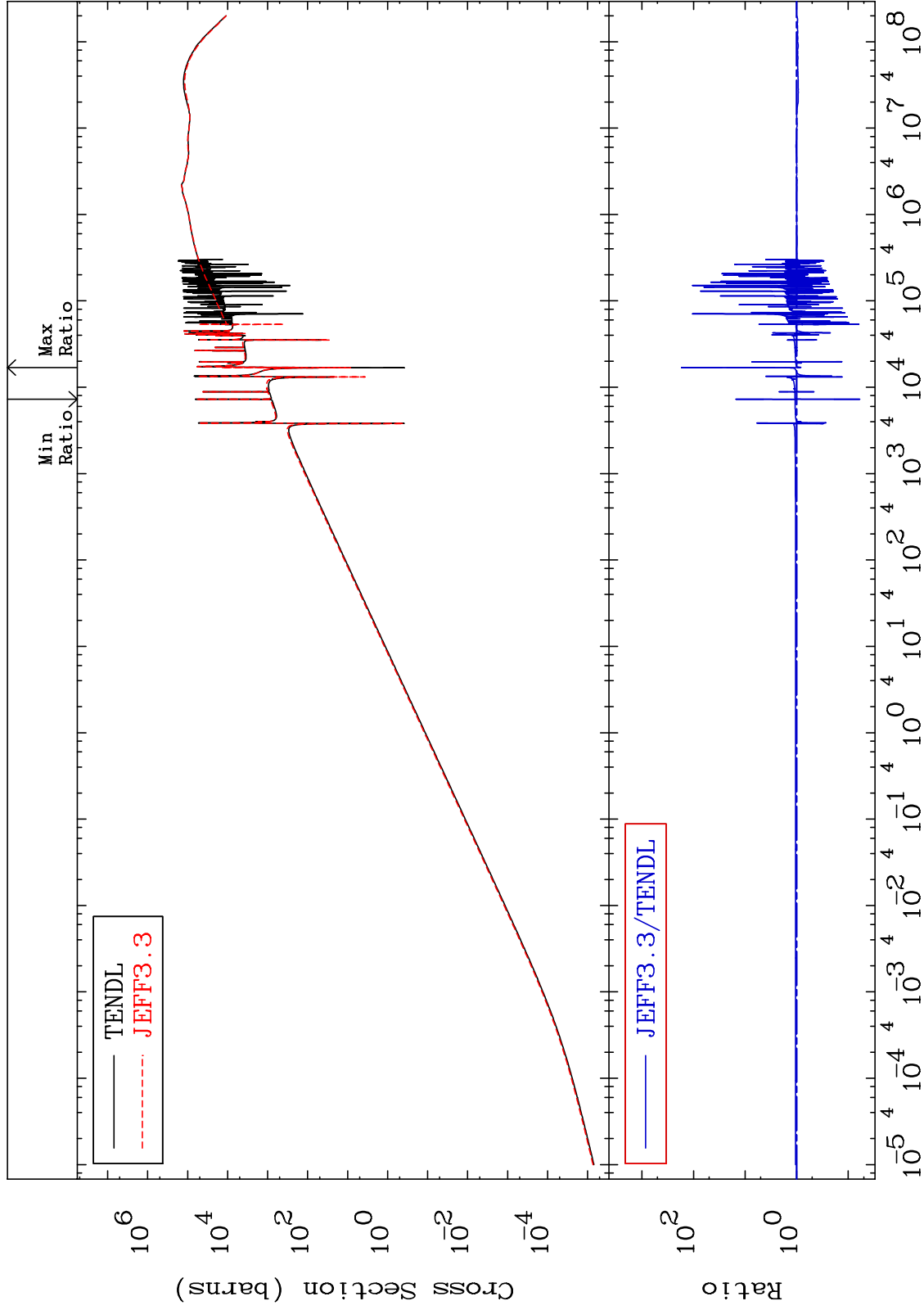
MAT 4025 Kerma total (eV-barns) 40-Zr-90
 Cross Section -94.03 To 9999. %



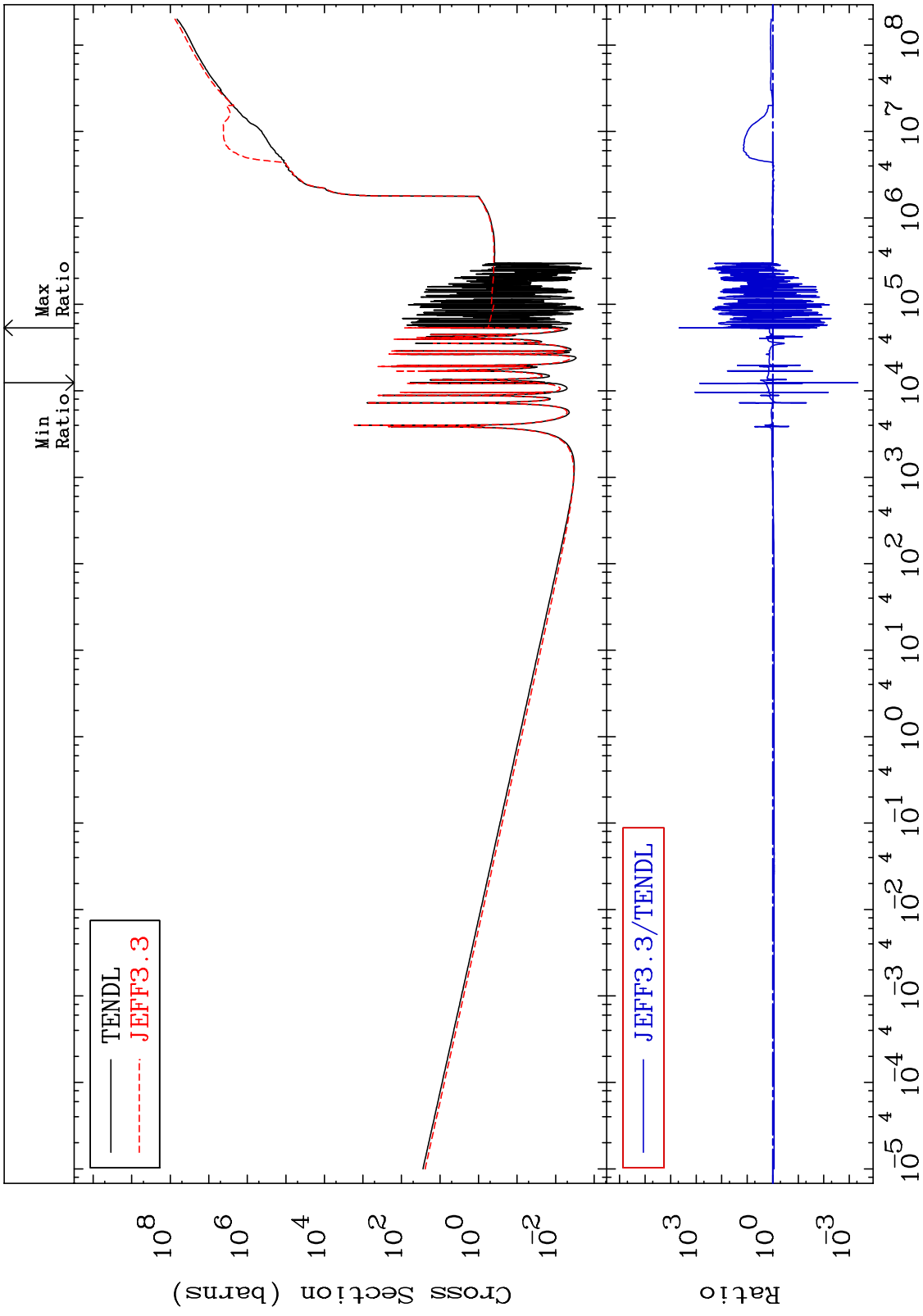
MAT 4025

Kerma elastic
Cross Section

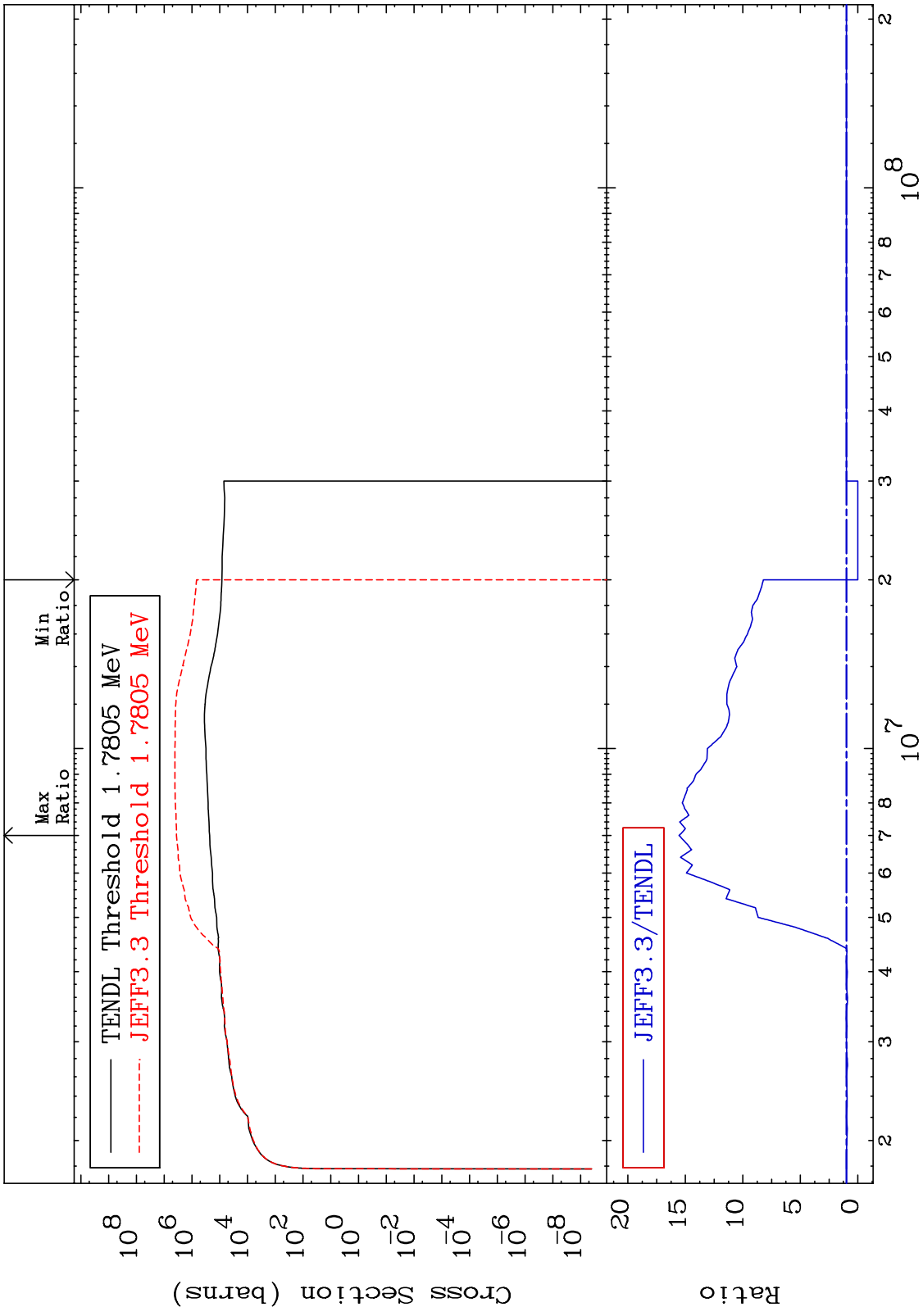
40-Zr-90
-94.02 To 9999. %



MAT 4025 Kerma non-elastic (all but mt2) 40-Zr-90
 Cross Section -99.95 To 9999. %



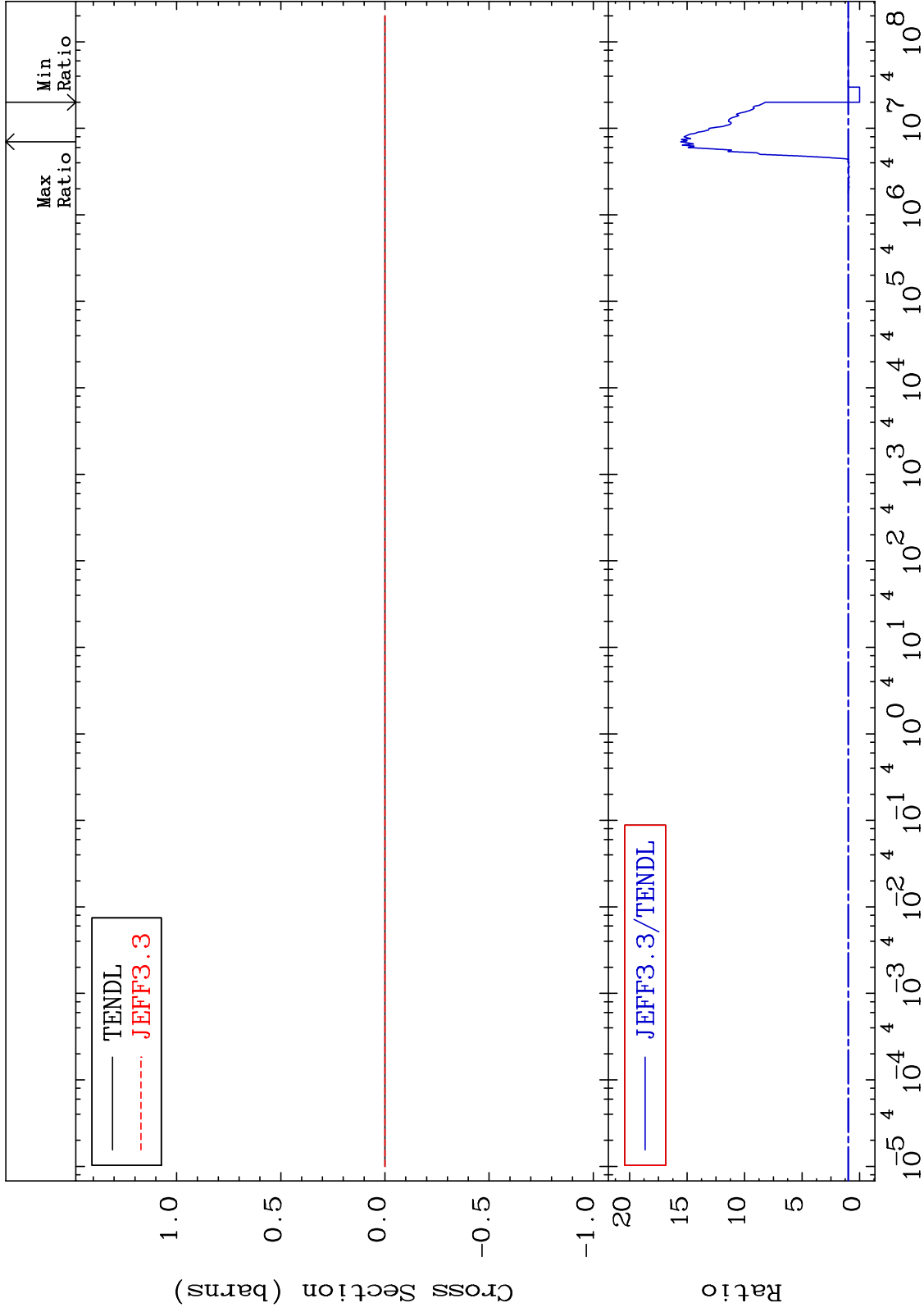
MAT 4025 Kerma inelastic (mt51-91) 40-Zr-90
 -100.0 To 1455. %
 Cross Section



MAT 4025

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

40-Zr-90
-100.0 To 1455. %



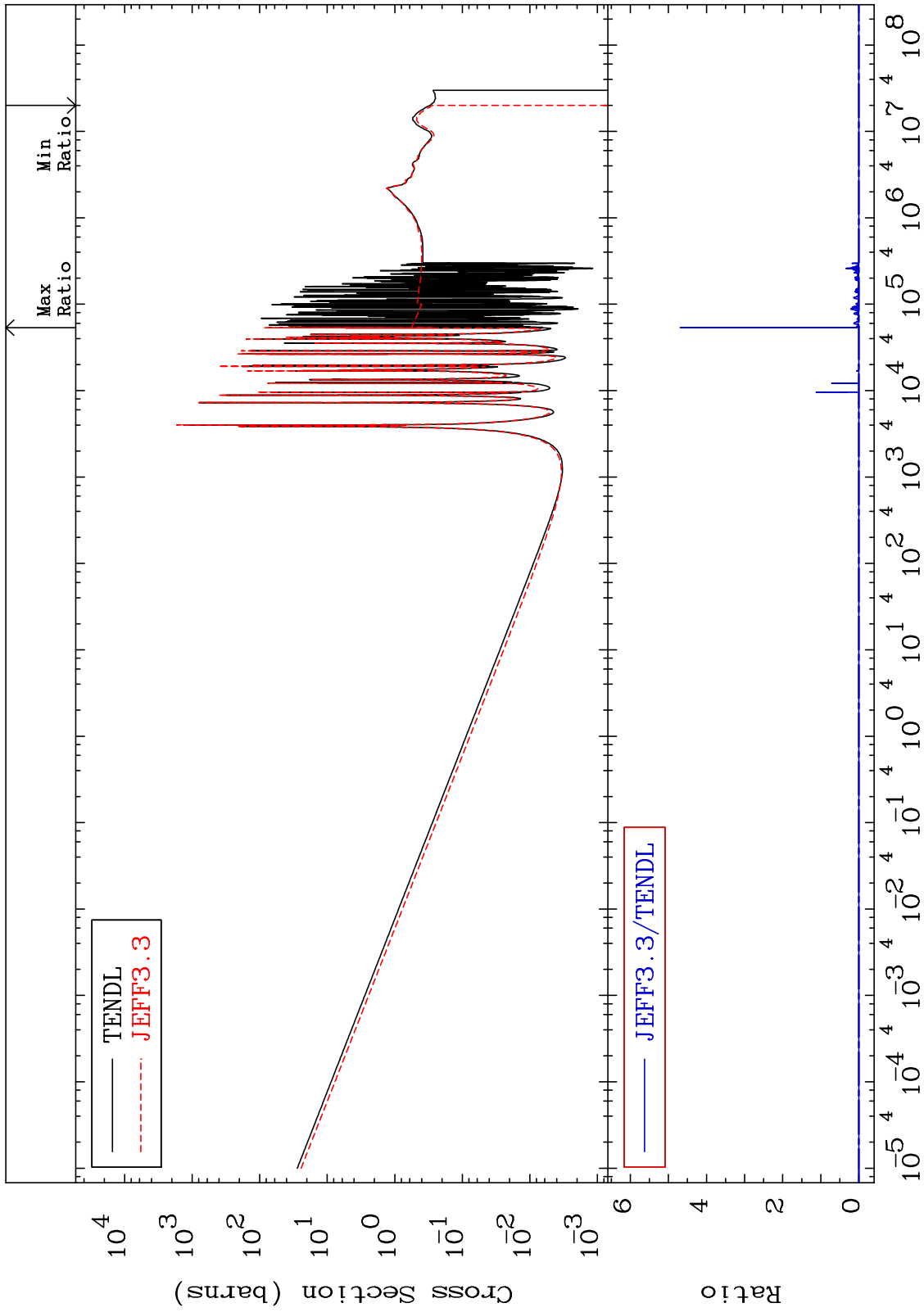
45

40-Zr-90

MAT 4025

Kerma capture (mt102)
Cross Section

40-Zr-90
-100.0 To 9999. %

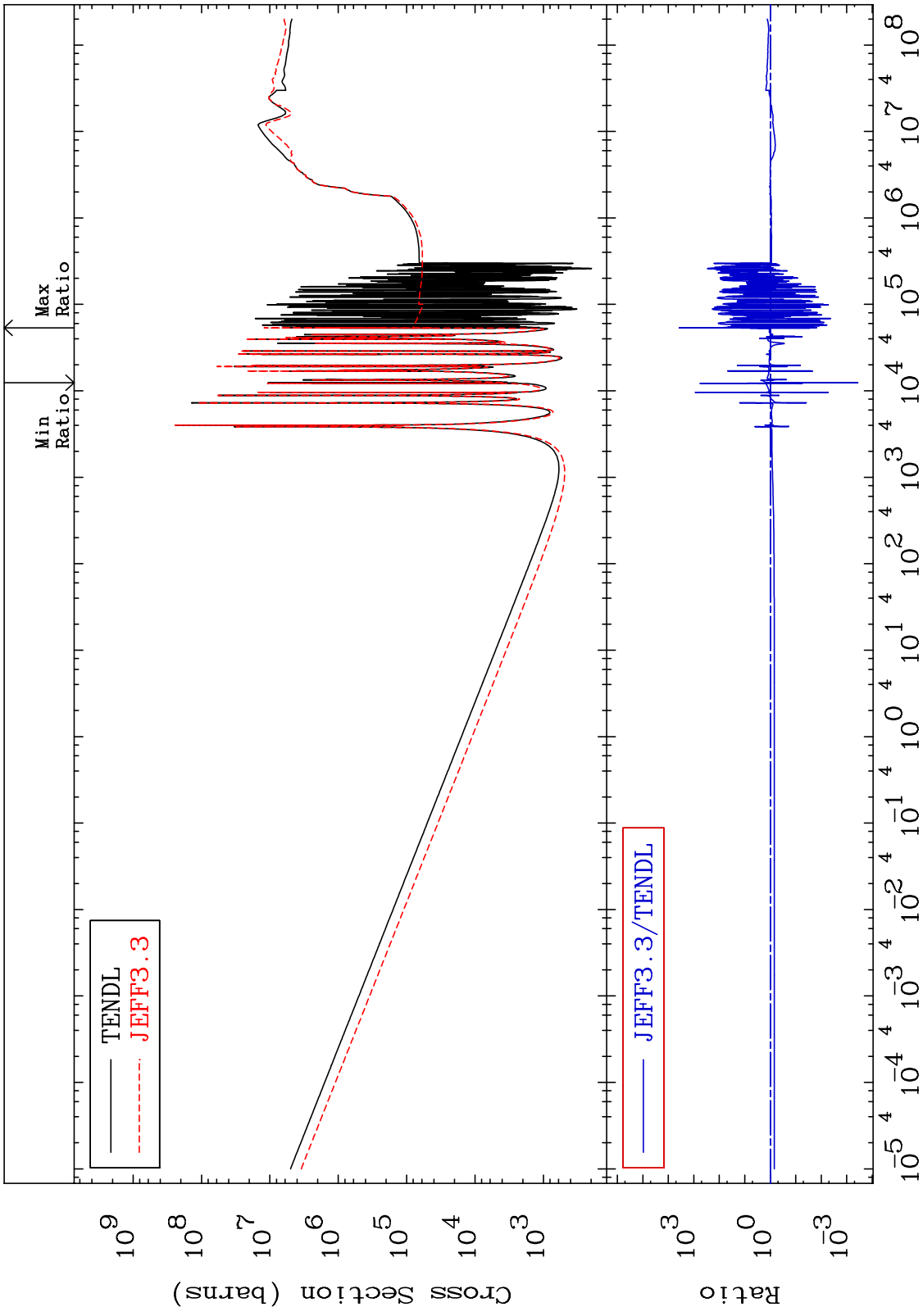


46

Incident Energy (eV)

40-Zr-90

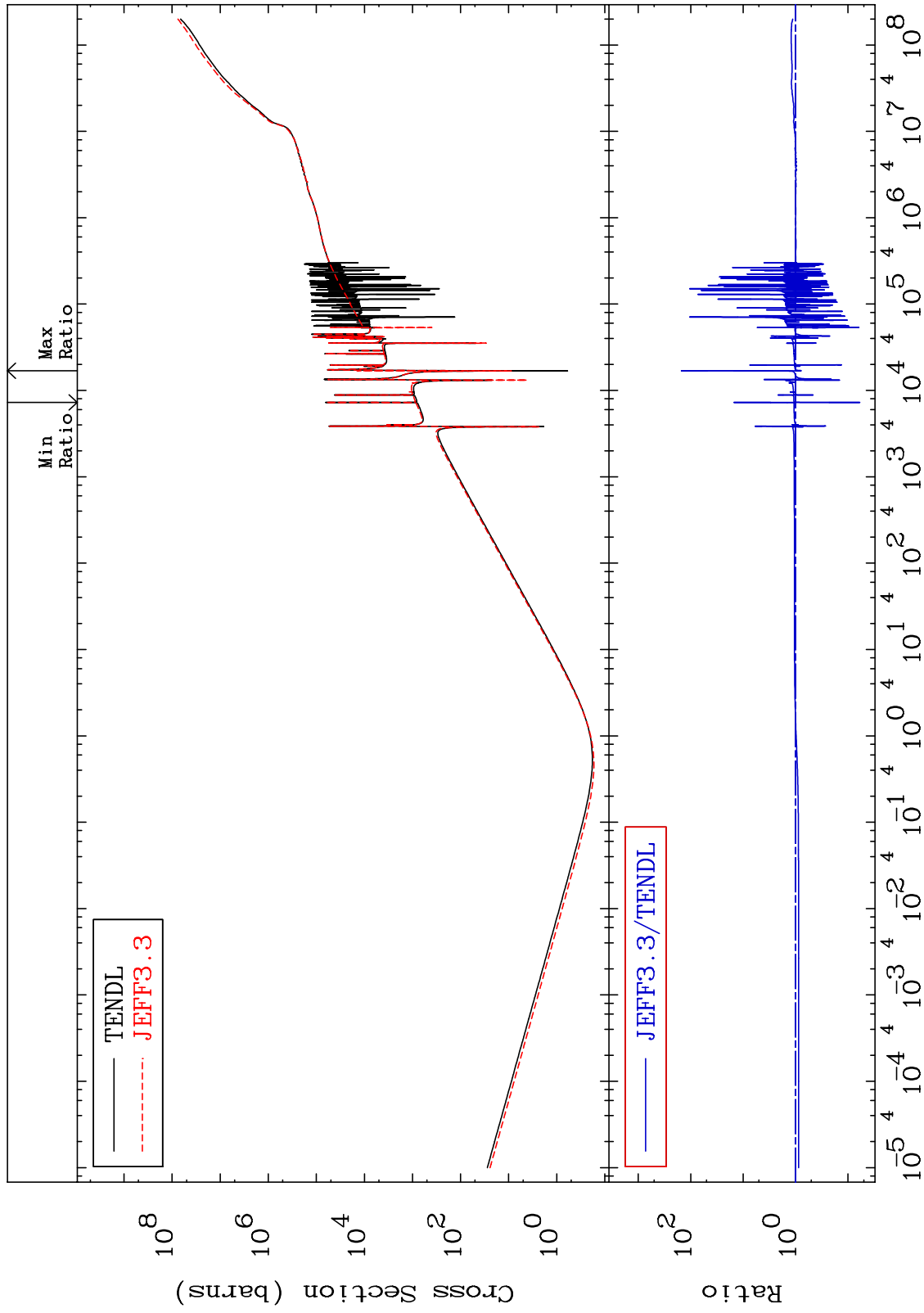
MAT 4025 Total photon (eV-barns) Cross Section 40-Zr-90 -99.96 To 9999. %



MAT 4025

Total kinematic kerma (high limit)
Cross Section

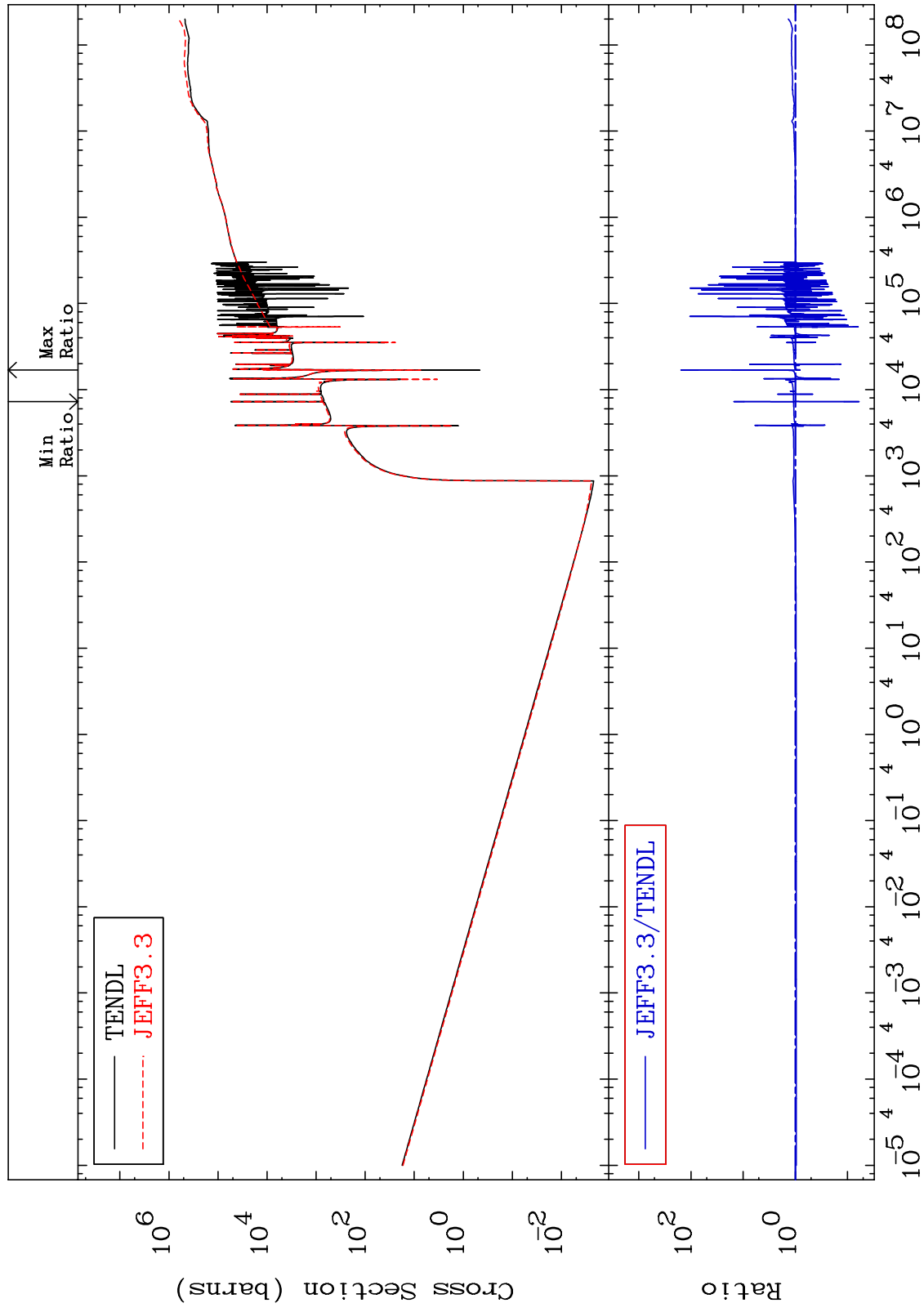
40-Zr-90
-94.03 To 9999. %



MAT 4025

Dpa total (eV-barns)
Cross Section

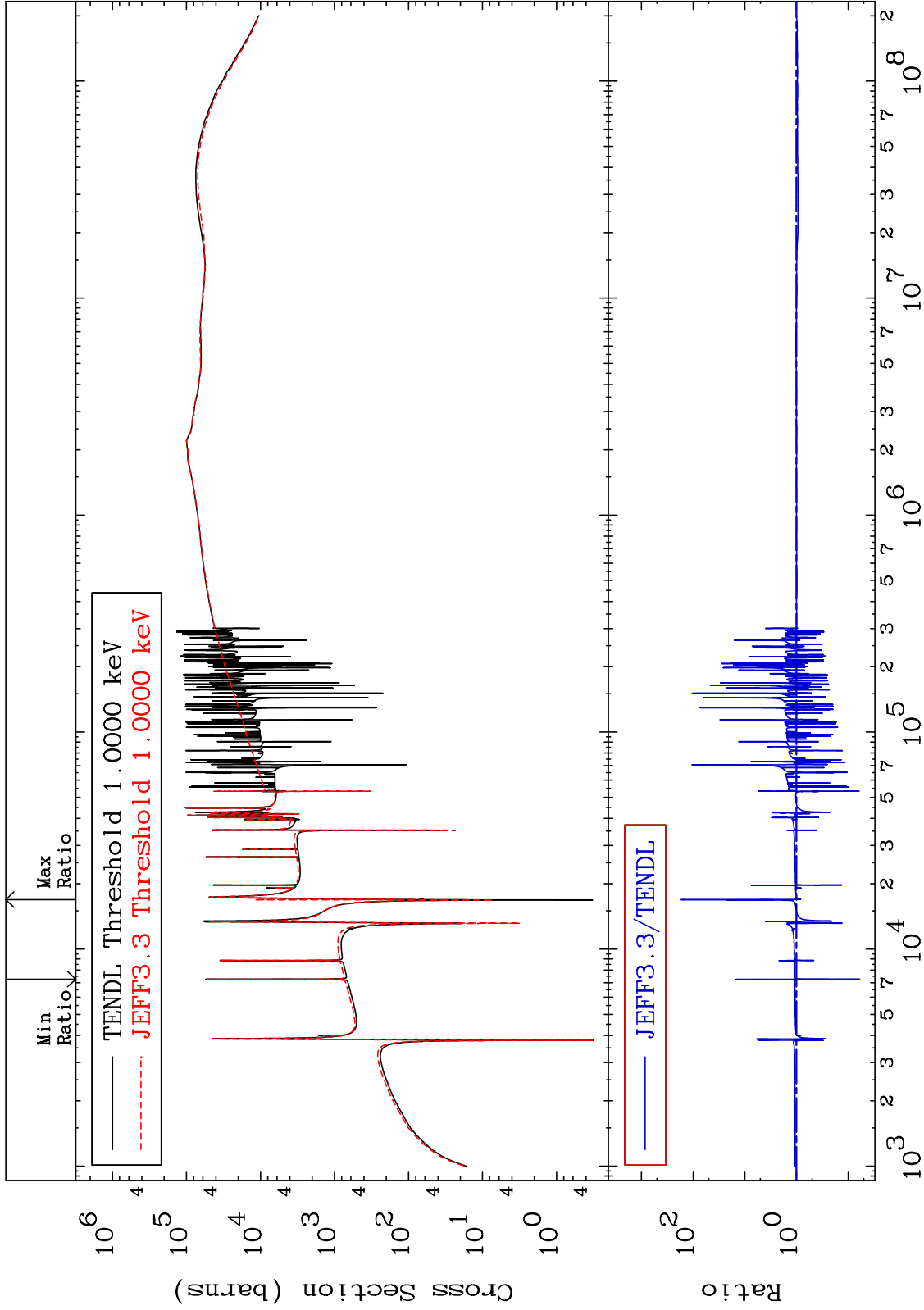
40-Zr-90
-94.01 To 9999. %



MAT 4025

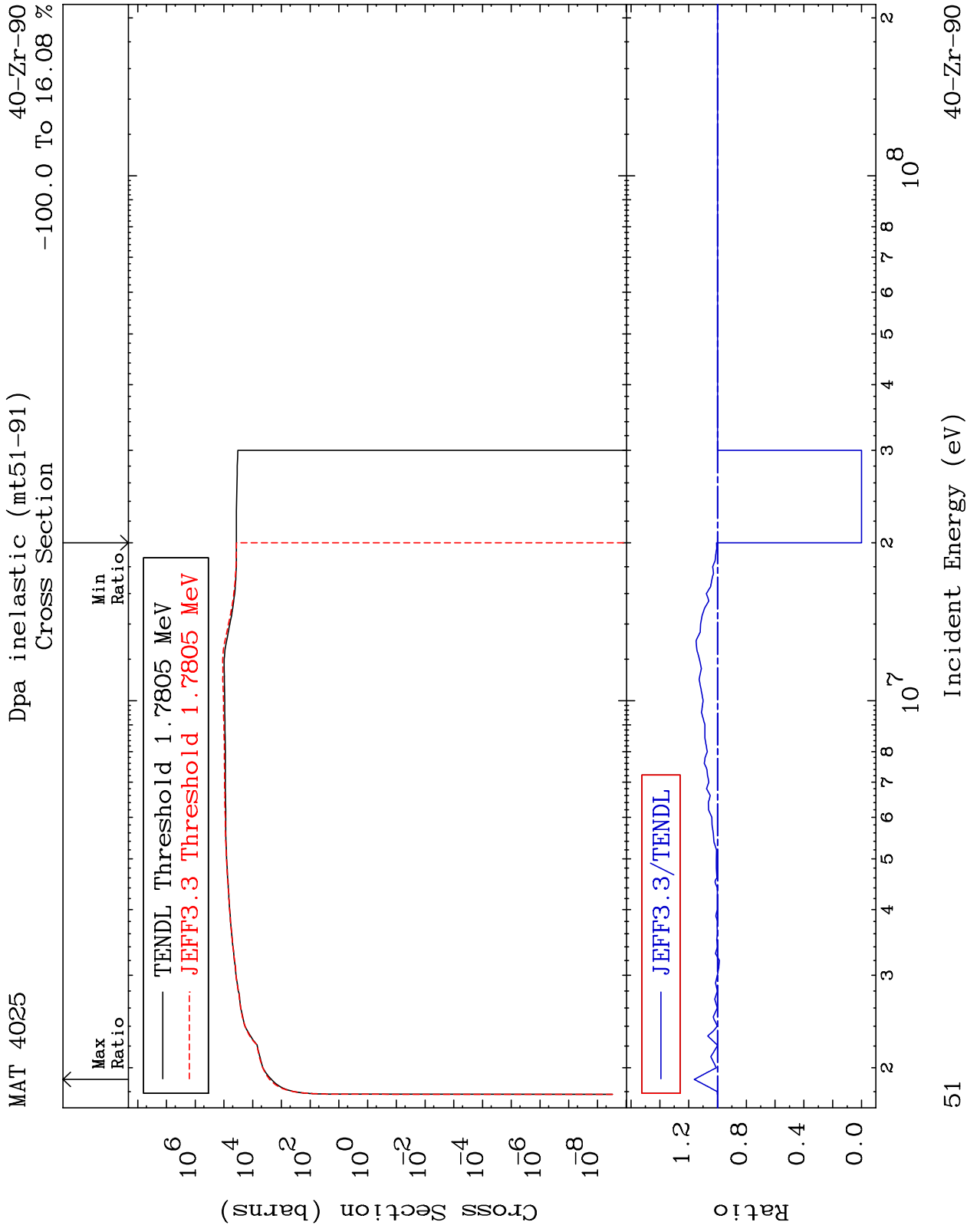
Dpa elastic (mt2)
Cross Section

40-Zr-90
-94.00 To 9999. %



50

40-Zr-90



MAT 4025

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-90
-100.0 To 9999. %

