

Program Complot
(Version 2018-1)

by

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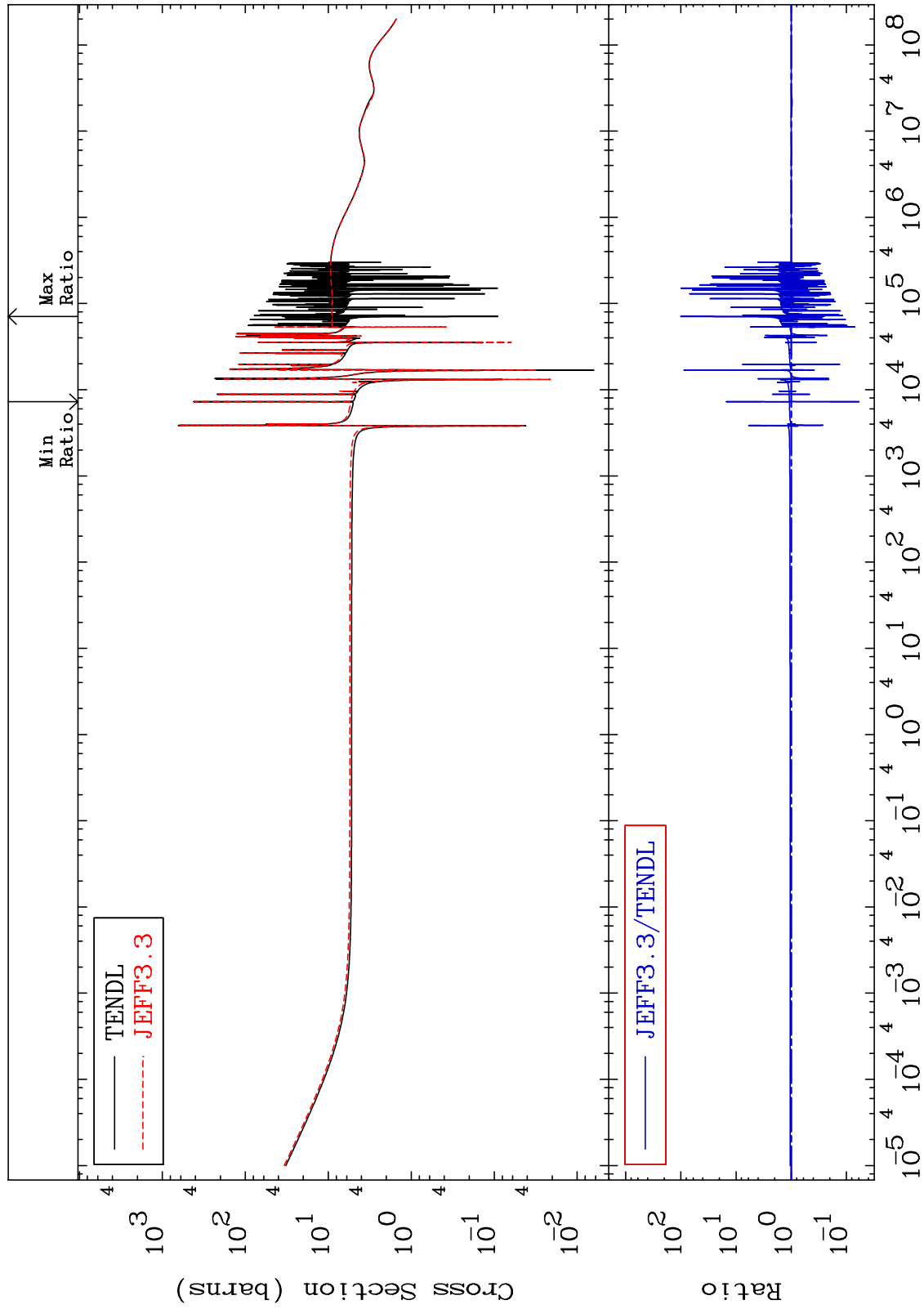
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4025

Total
Cross Section

40-Zr-90
-94.09 To 9906. %



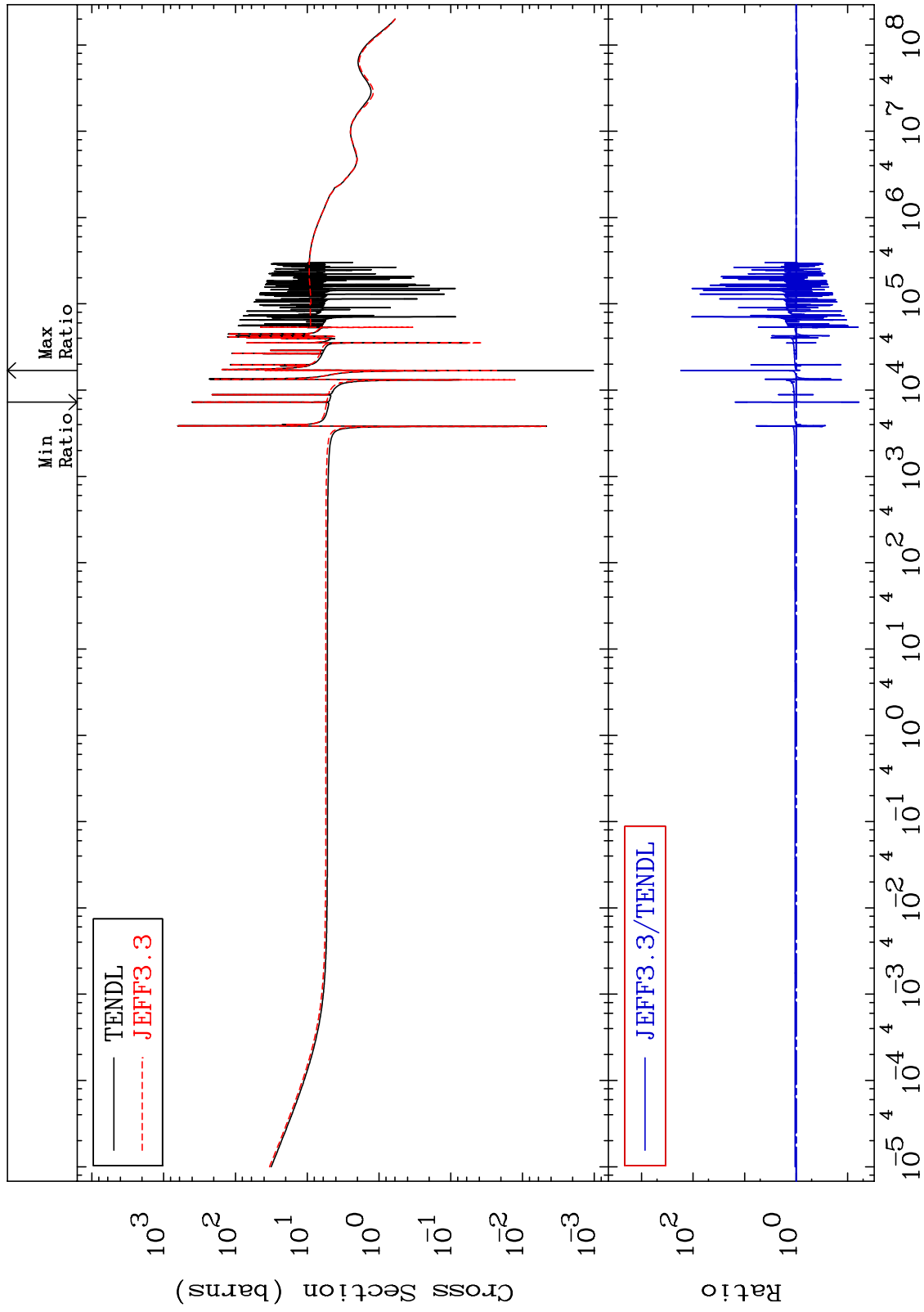
Incident Energy (eV)

40-Zr-90

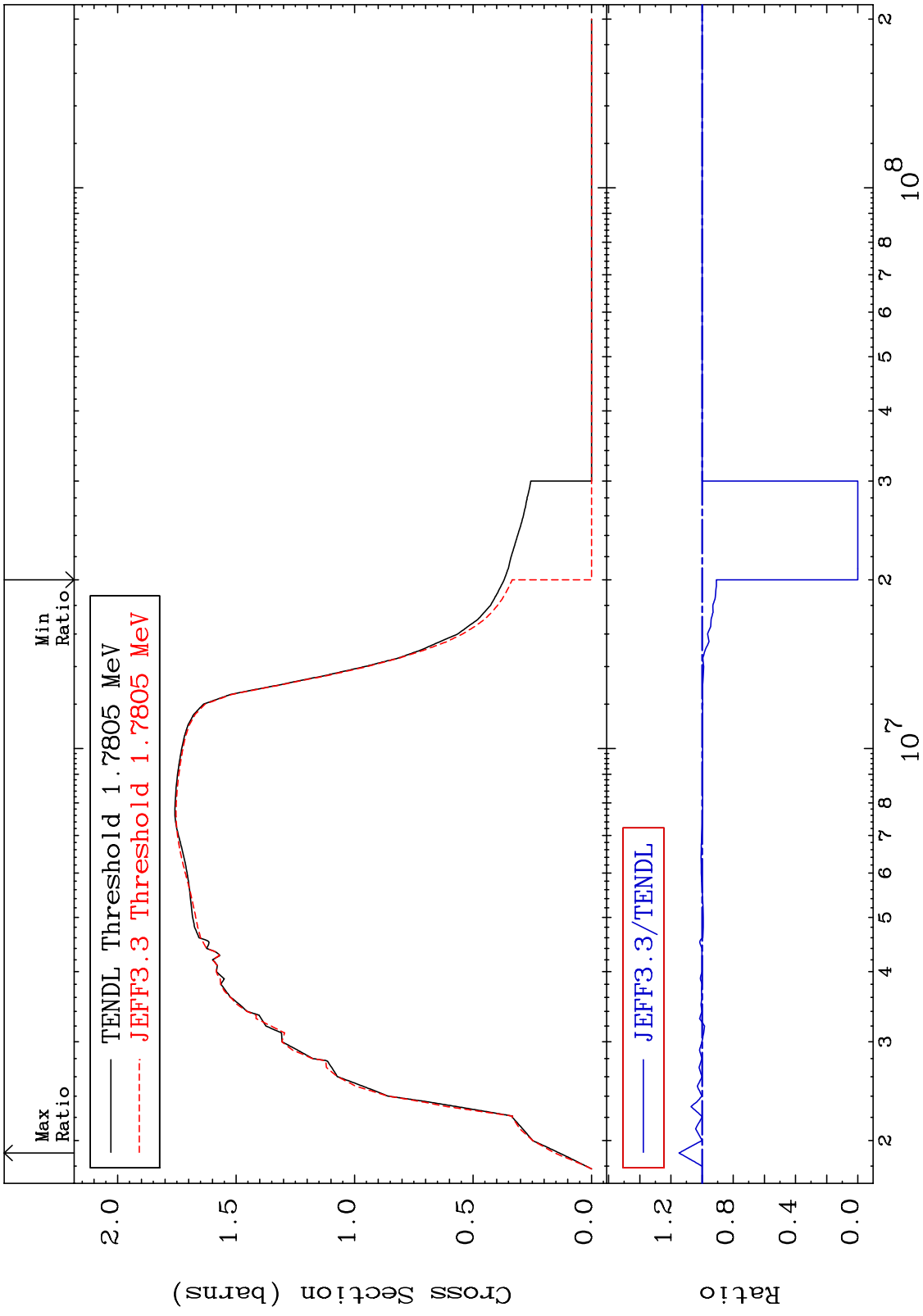
MAT 4025

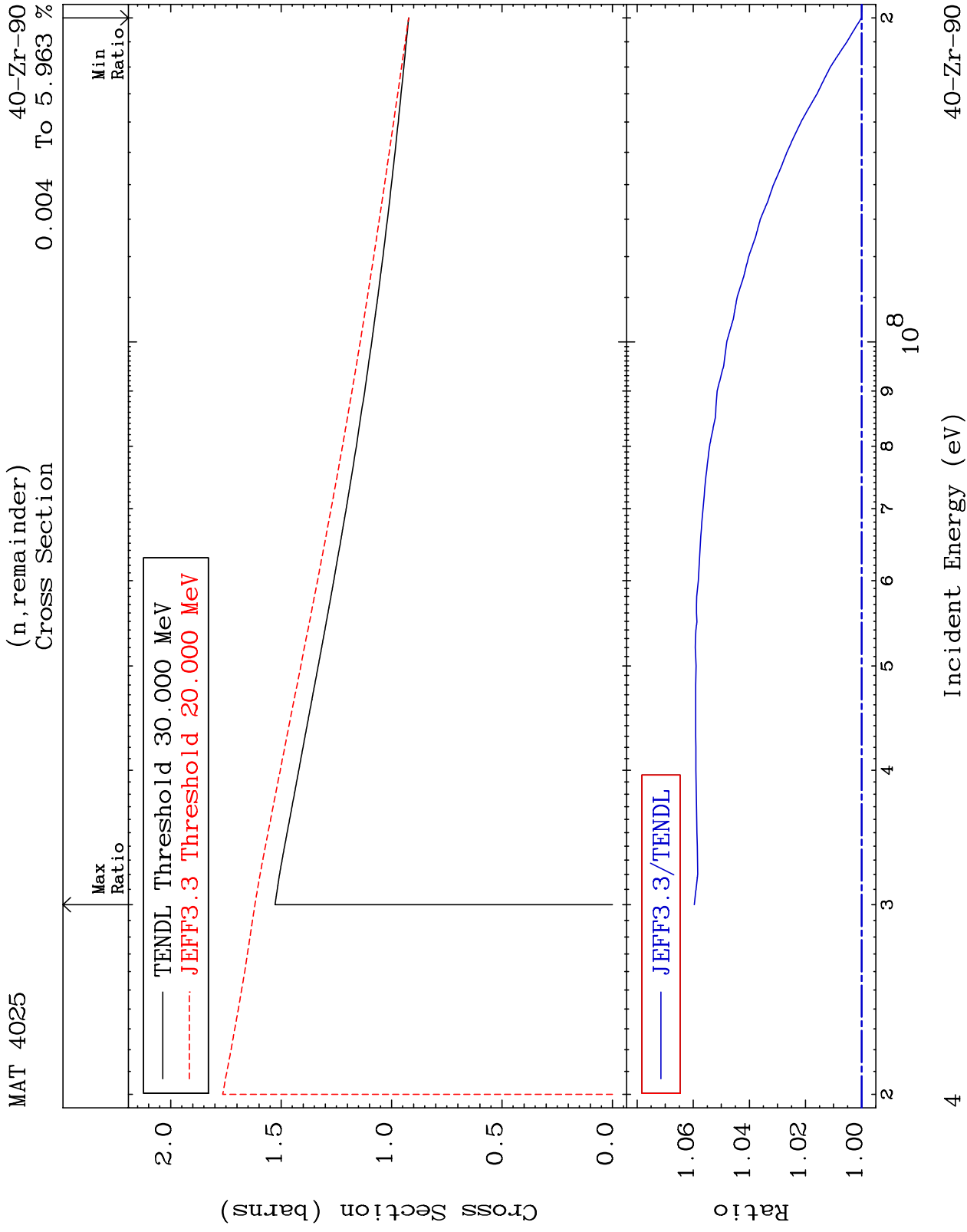
Elastic
Cross Section

40-Zr-90
-93.99 To 9999. %

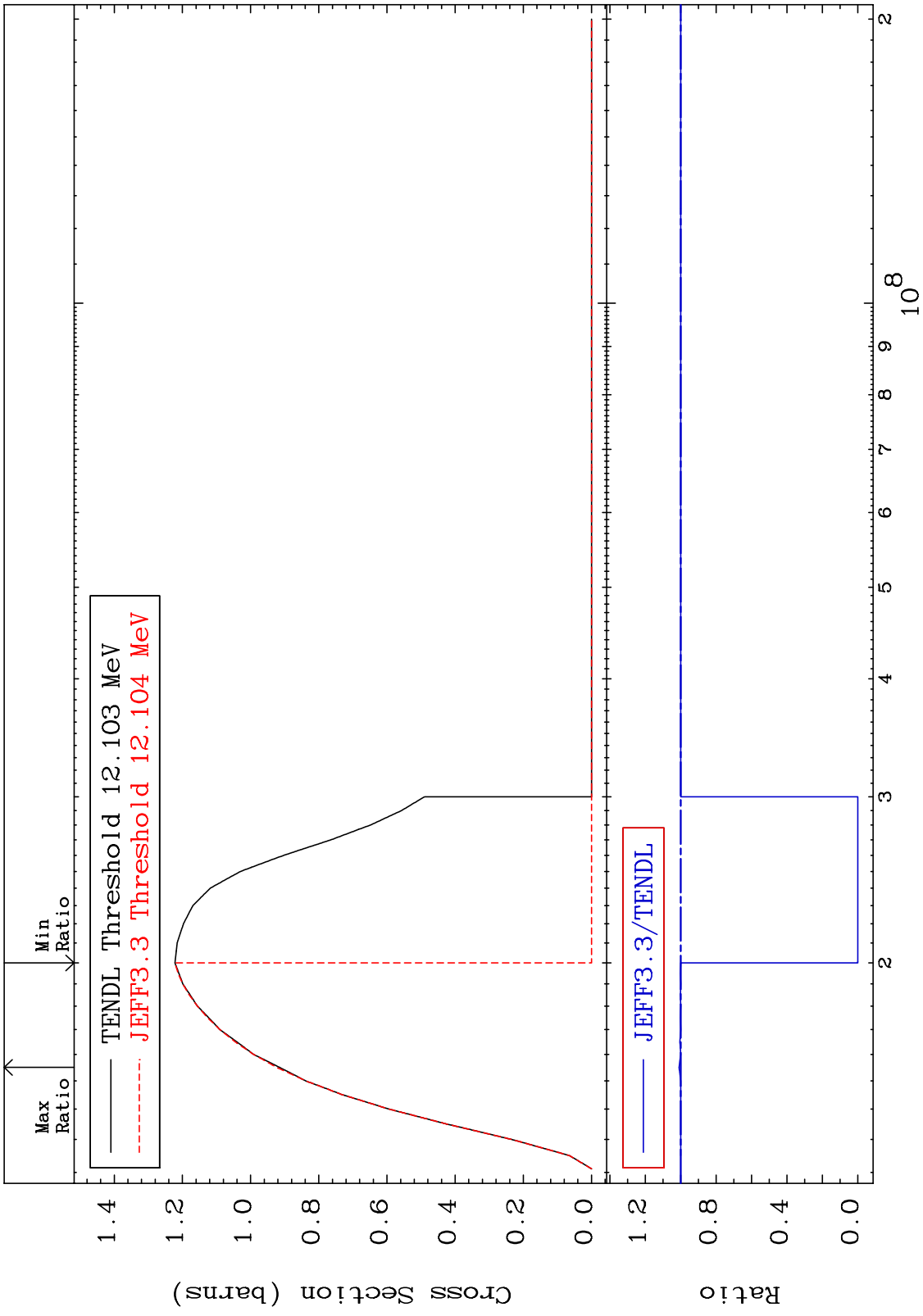


MAT 4025 Inelastic Cross Section 40-Zr-90 -100.0 To 14.78 %





MAT 4025 (n,2n) Cross Section 40-Zr-90 -100.0 To 0.948 %

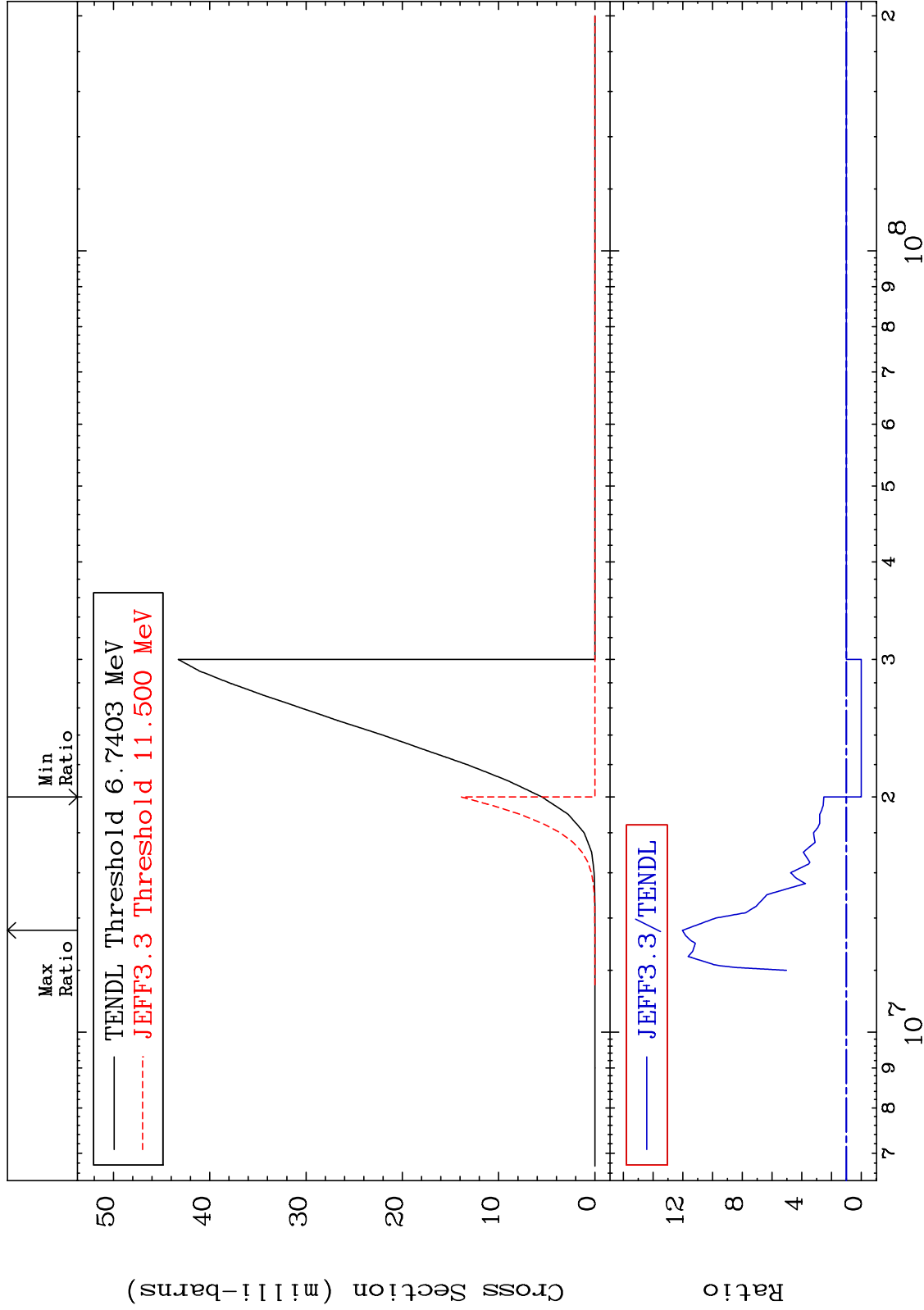


MAT 4025

(n, n') α

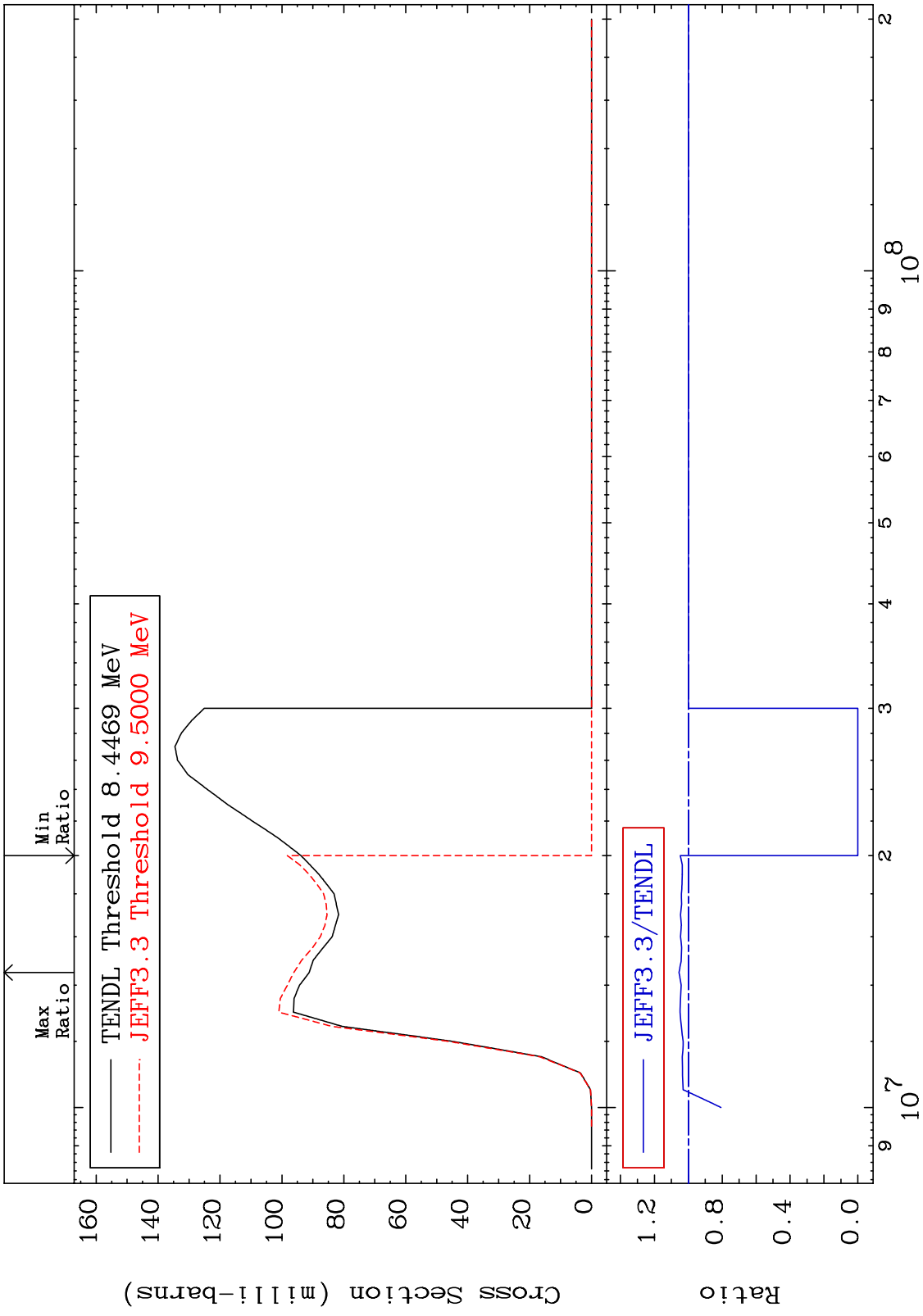
40-Zr-90
-100.0 To 1102. %

Cross Section



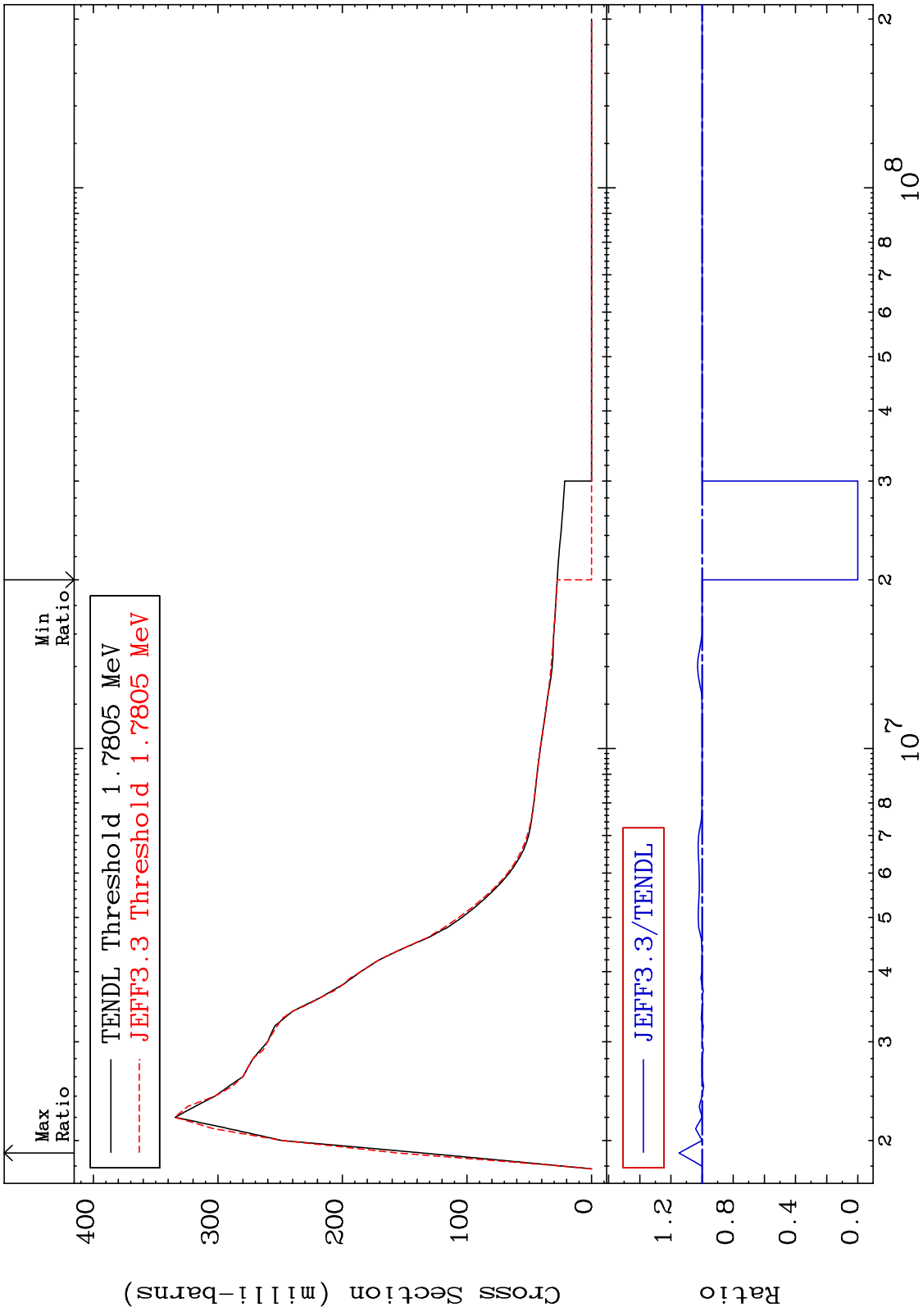
6

MAT 4025 (n, n') p 40-Zr-90
 Cross Section -100.0 To 5.462 %

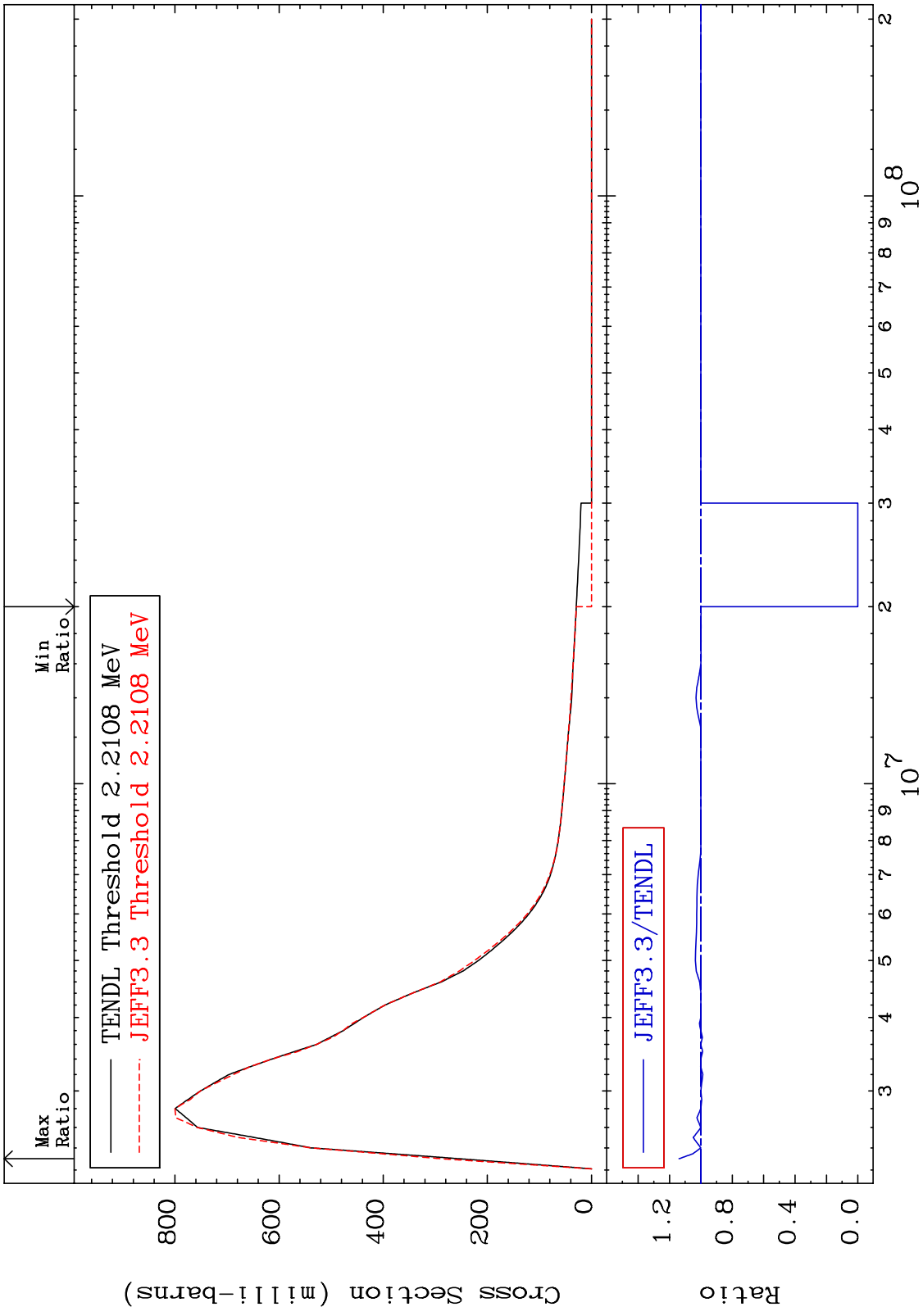


7 9 10⁷ 2 3 4 5 6 7 8 9 10⁸ 2
 40-Zr-90

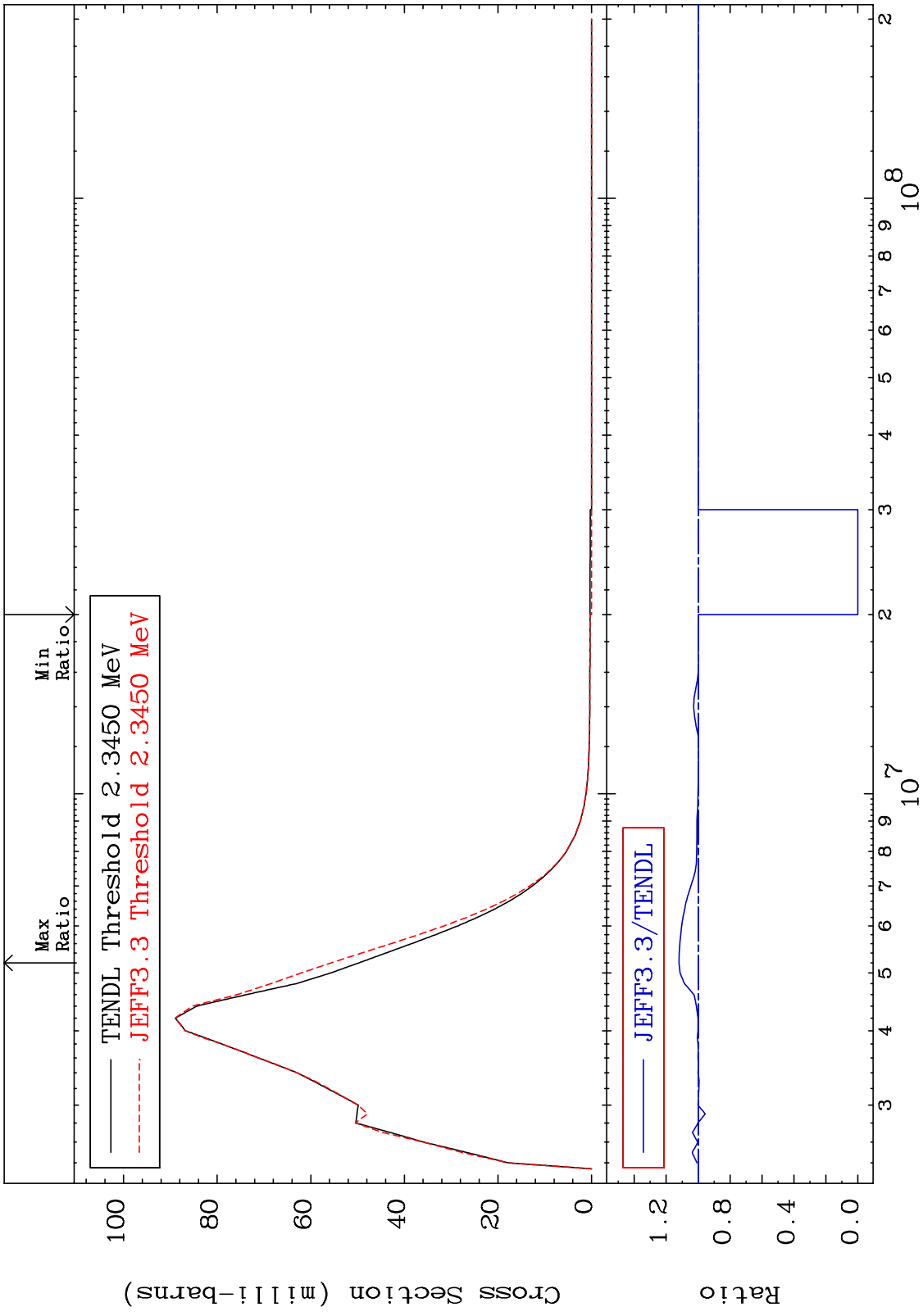
MAT 4025 MT= 51 (n,n') Level Cross Section -100.0 To 14.78 % 40-Zr-90



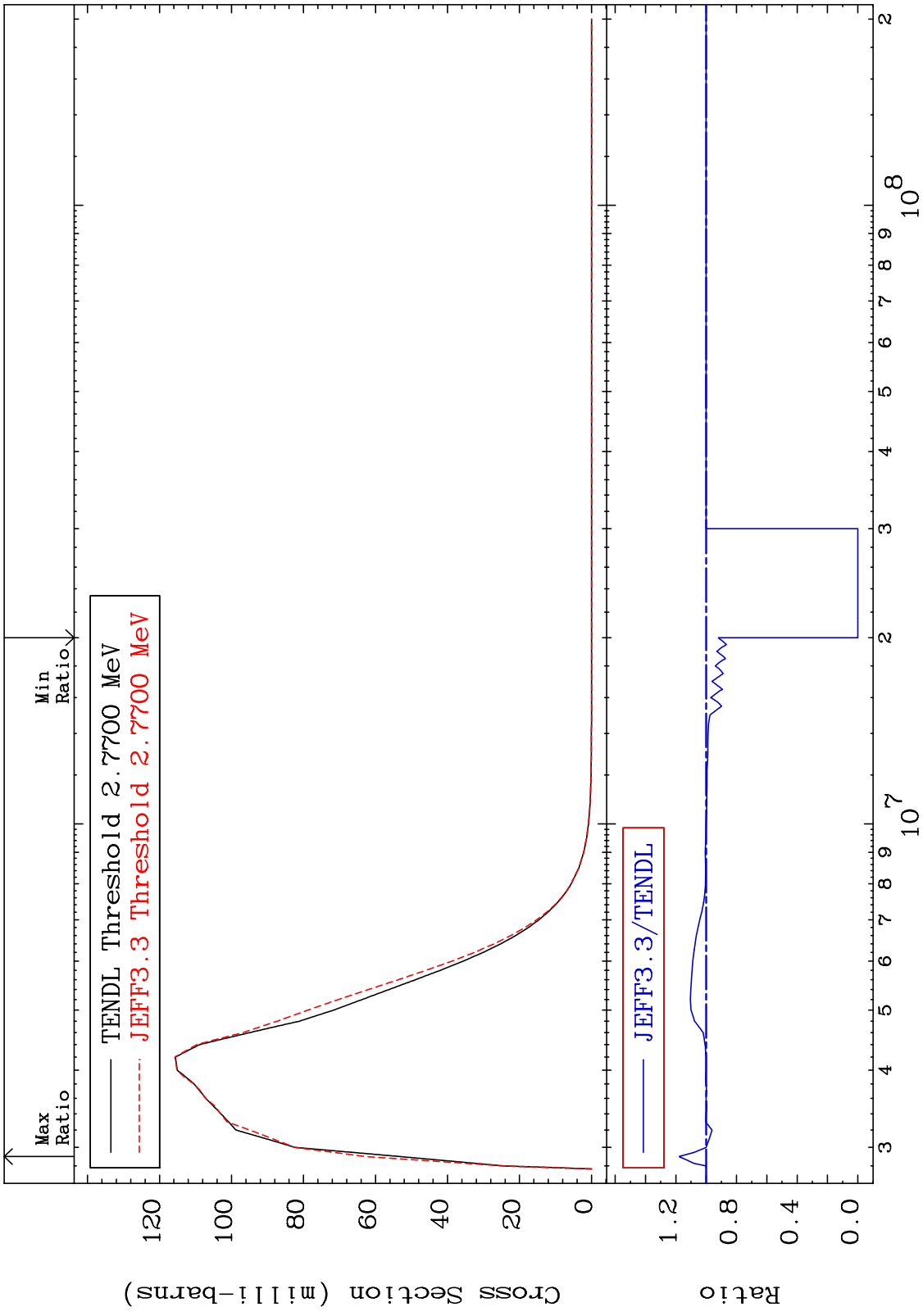
MAT 4025 MT= 52 (n,n') Level Cross Section -100.0 To 13.91 % 40-Zr-90

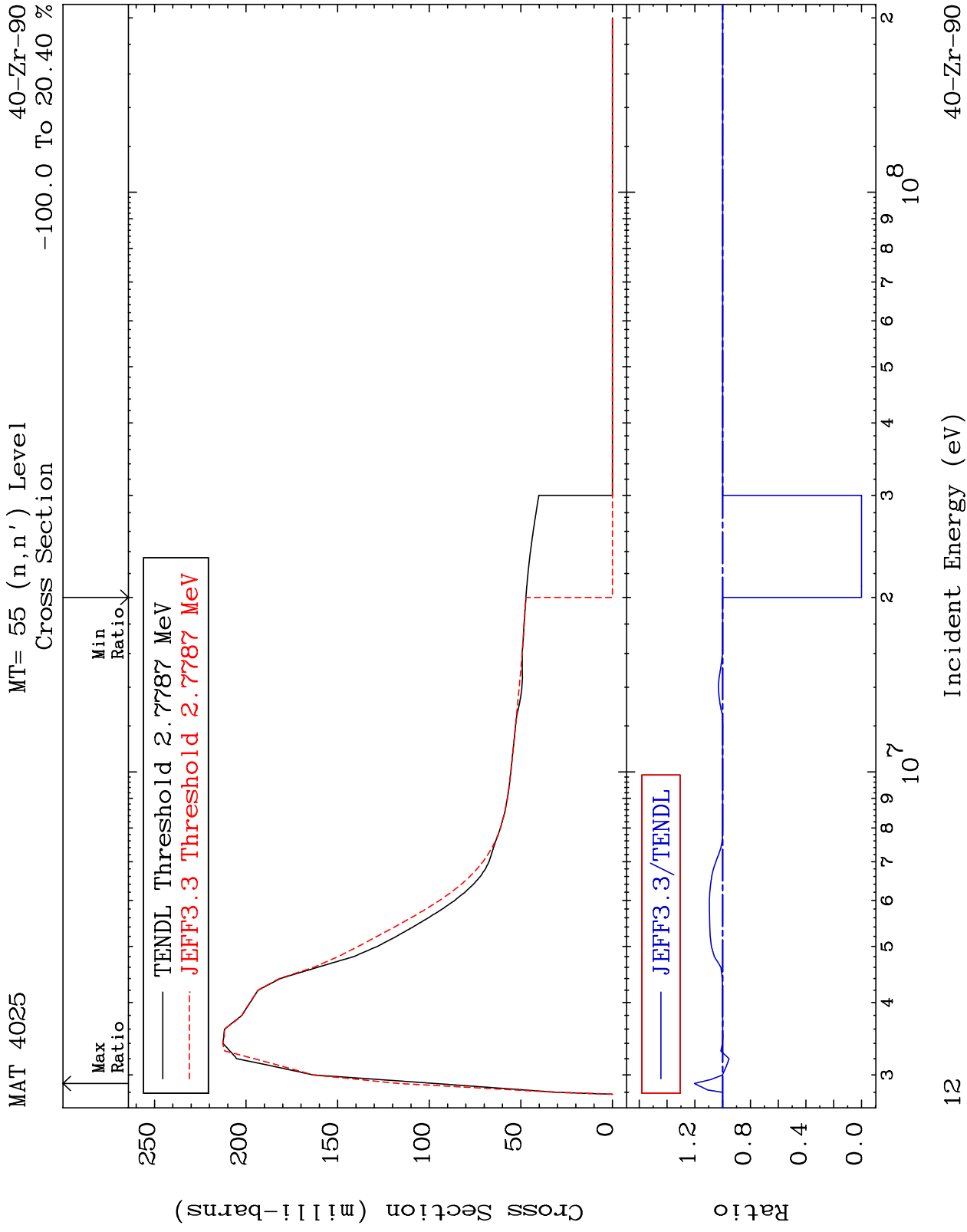


MAT 4025 MT= 53 (n,n') Level Cross Section 40-Zr-90
 -100.0 To 11.95 %

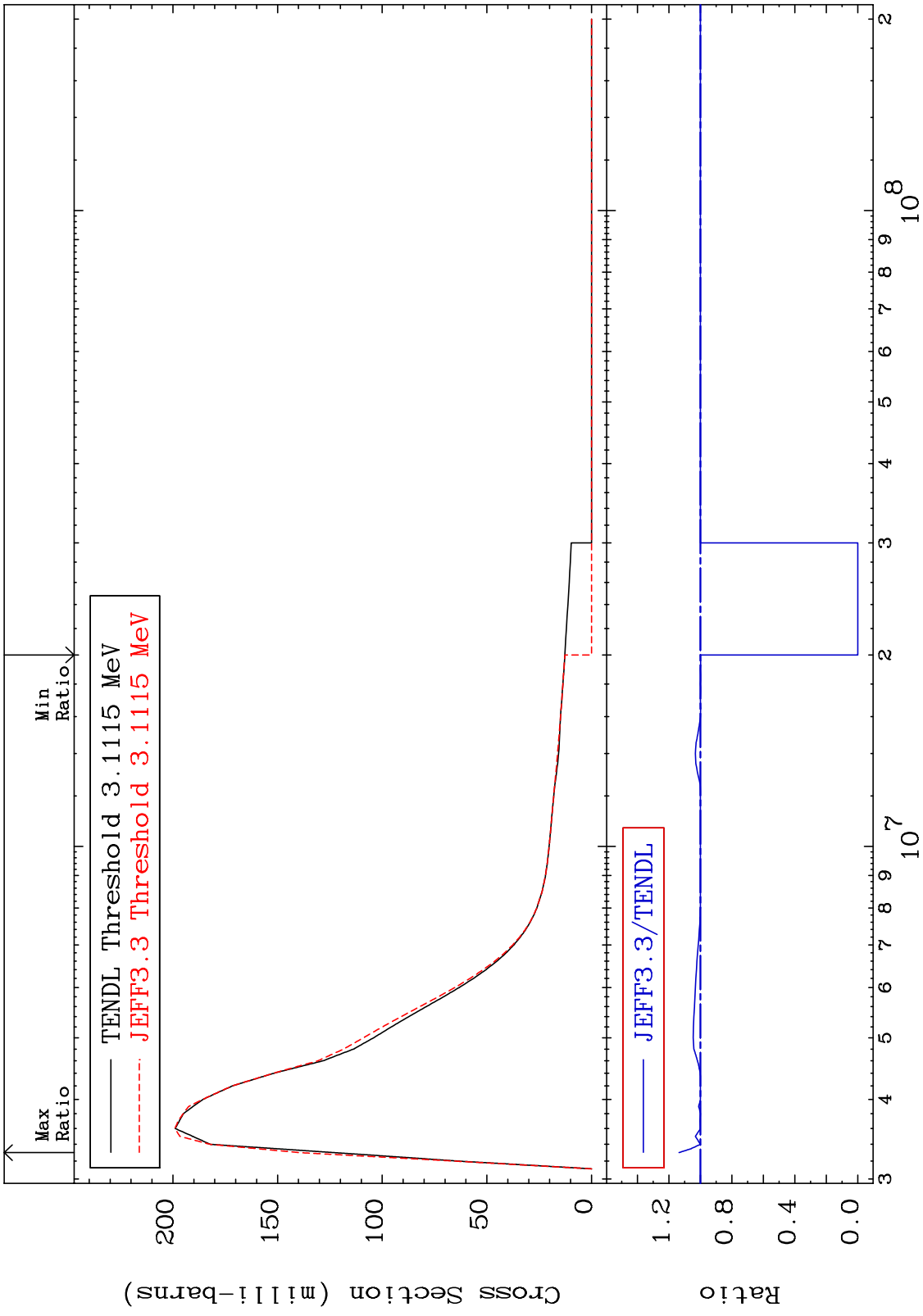


MAT 4025 MT= 54 (n,n') Level Cross Section -100.0 To 17.89 % 40-Zr-90

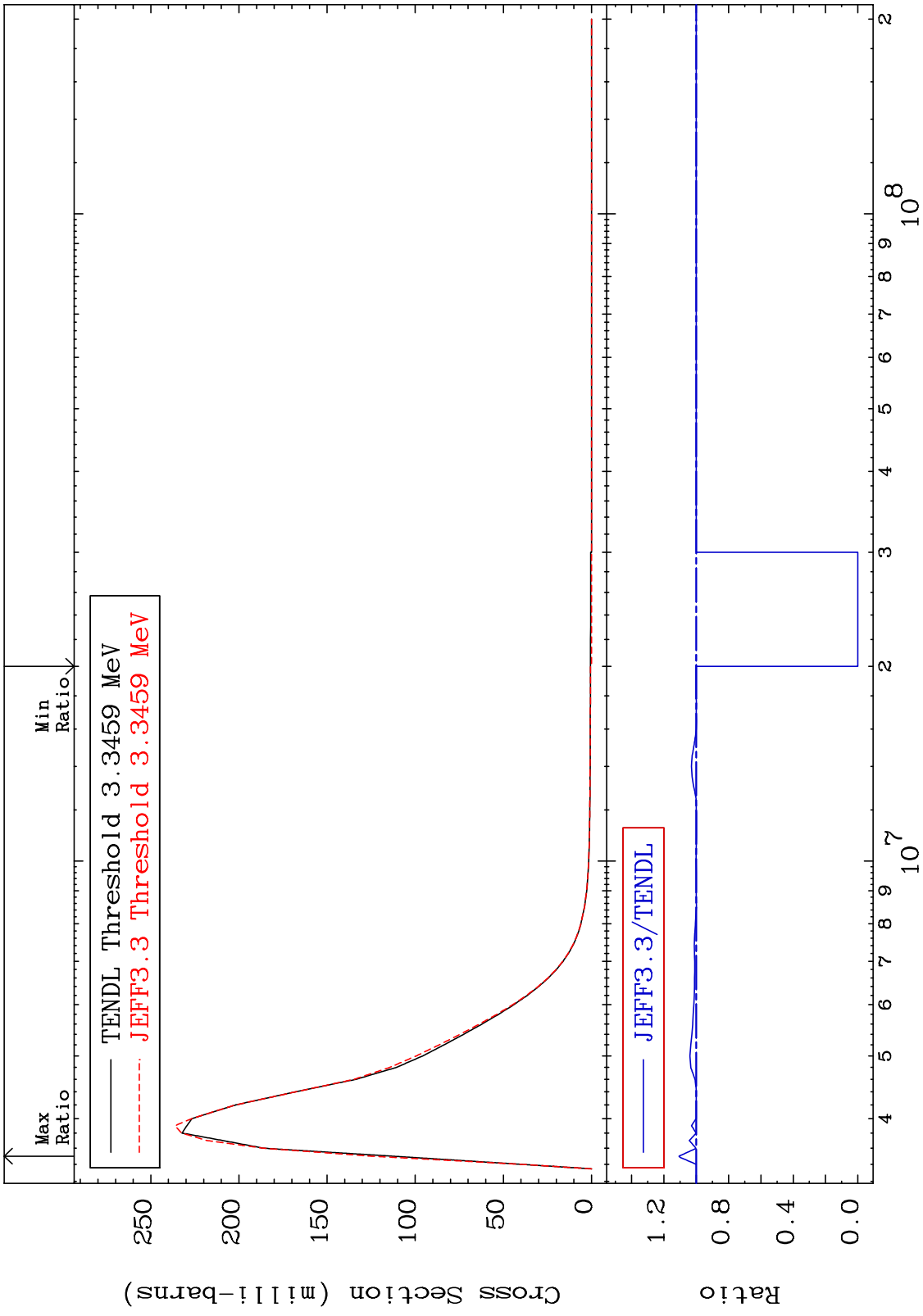




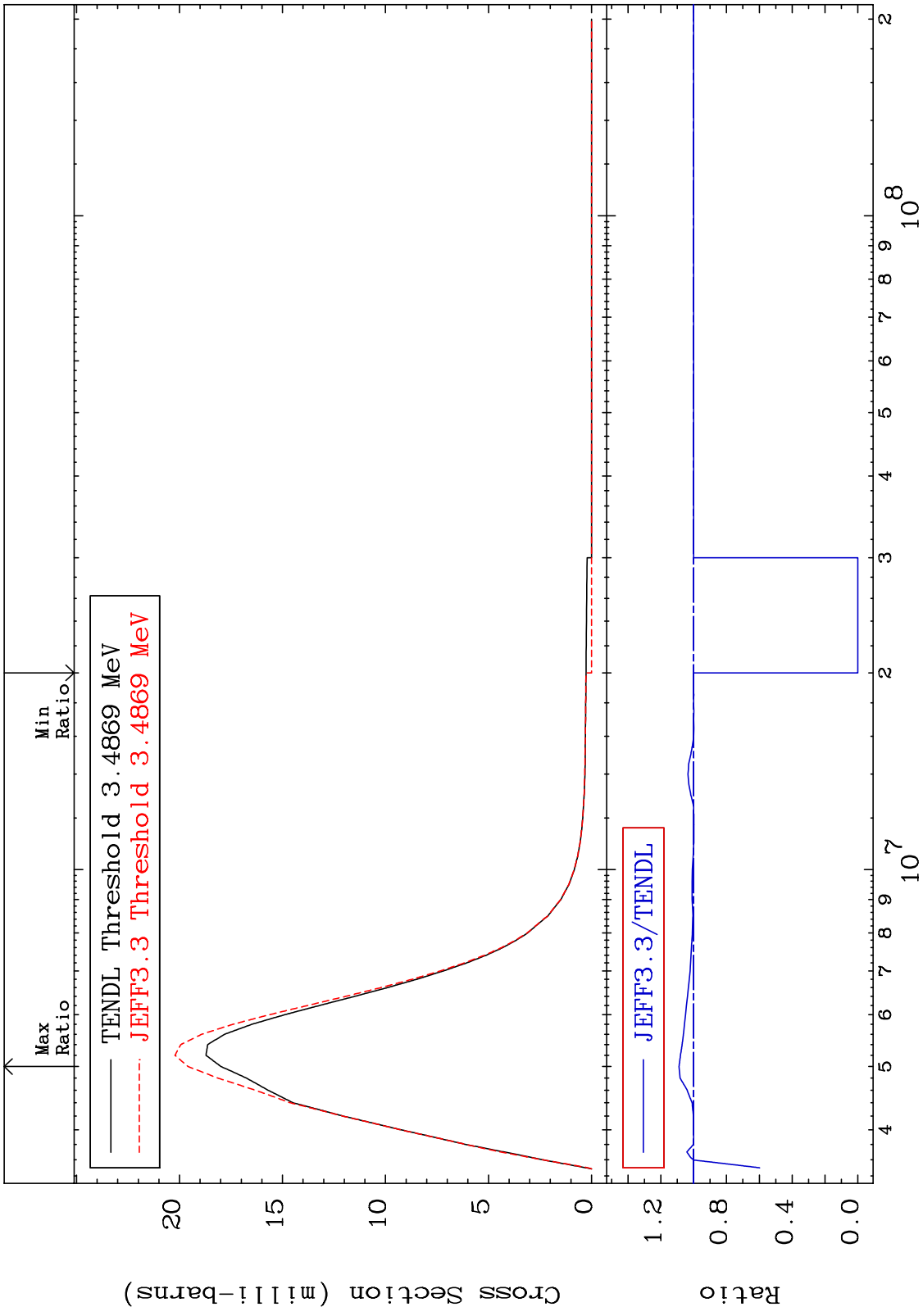
MAT 4025 MT= 56 (n,n') Level Cross Section 40-Zr-90
 -100.0 To 13.63 %



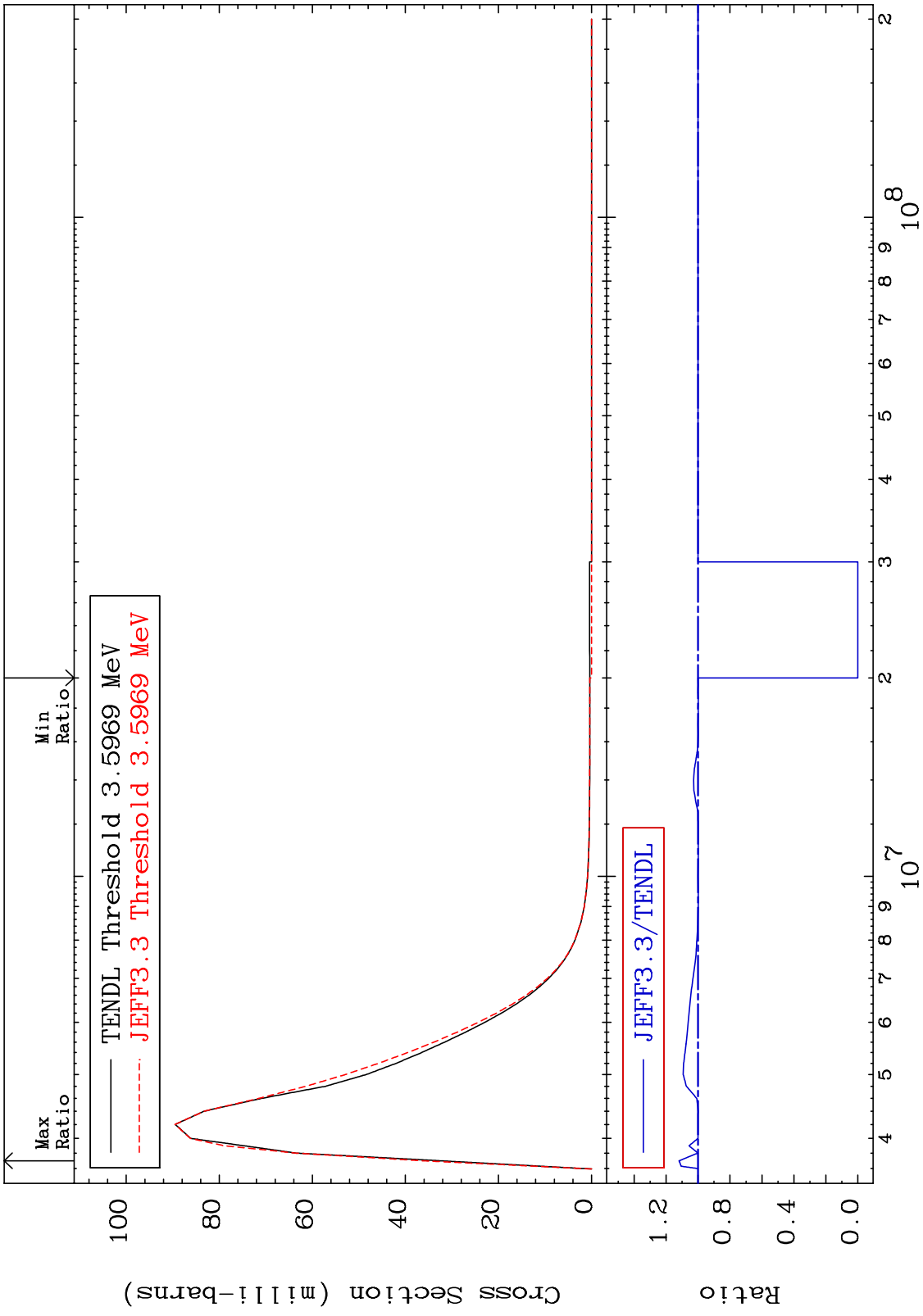
MAT 4025 MT= 57 (n,n') Level Cross Section 40-Zr-90
 -100.0 To 10.65 %



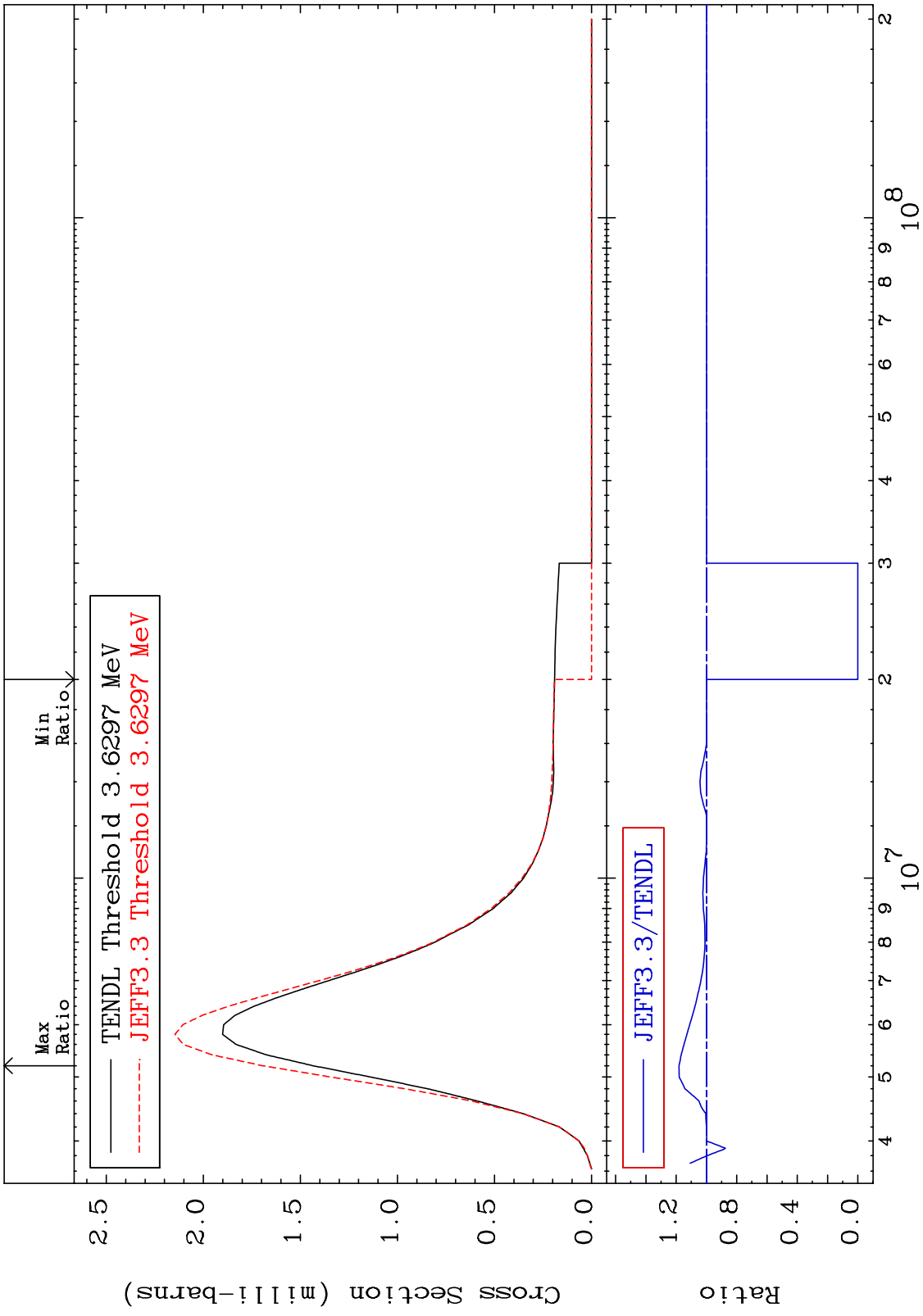
MAT 4025 MT= 58 (n,n') Level Cross Section -100.0 To 8.899 % 40-Zr-90



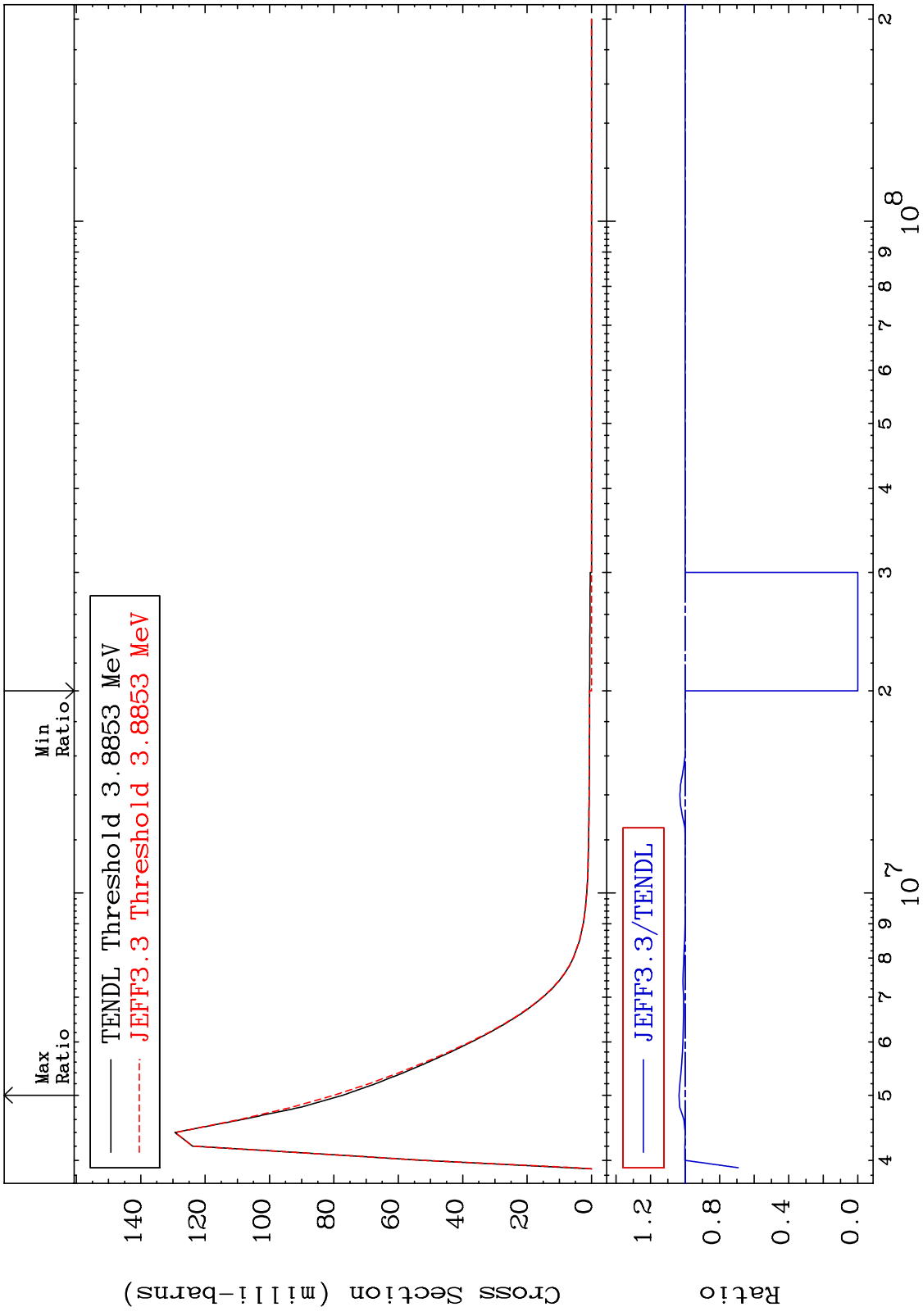
MAT 4025 MT= 59 (n,n') Level Cross Section -100.0 To 11.90 % 40-Zr-90



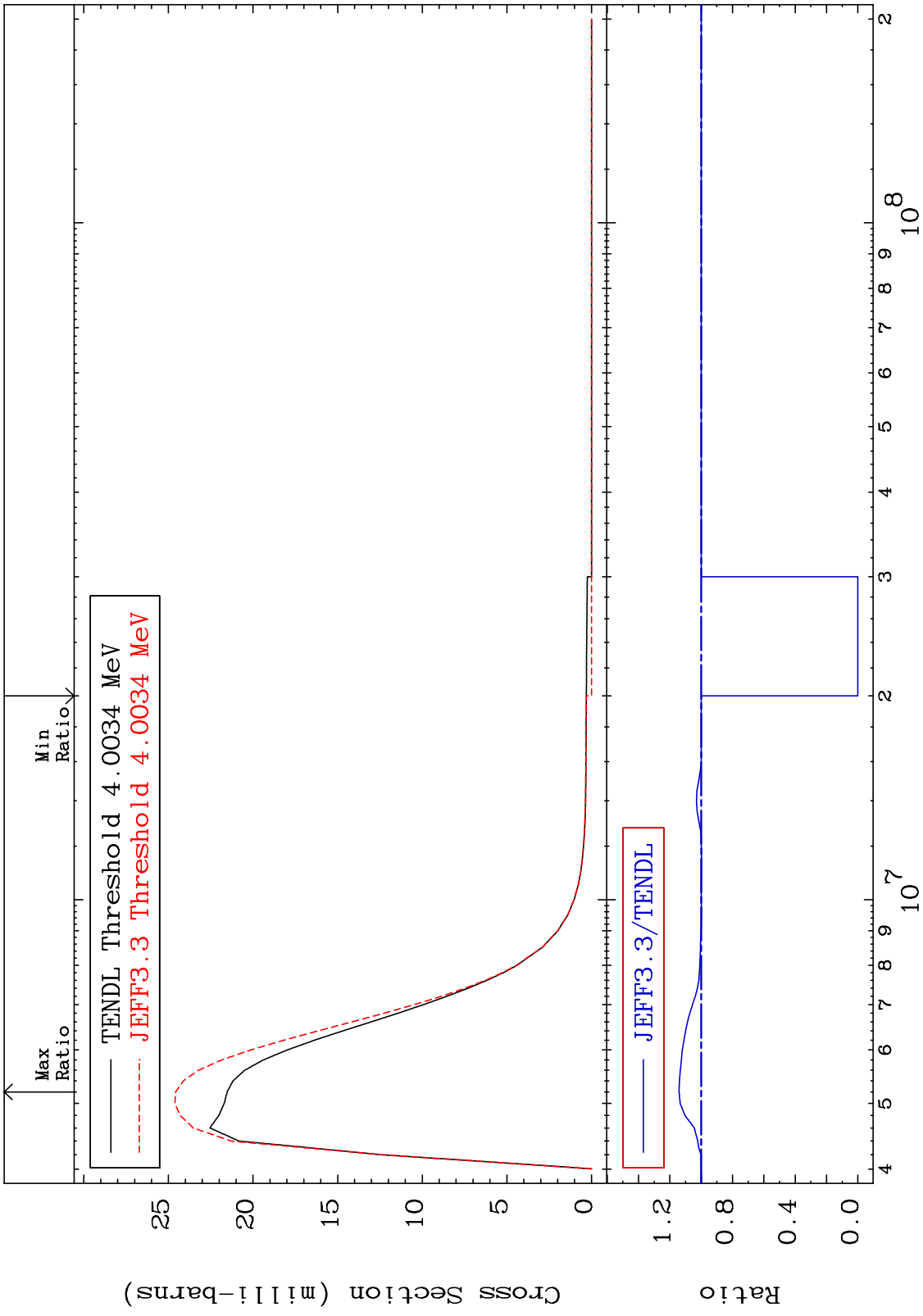
MAT 4025 MT= 60 (n,n') Level Cross Section -100.0 To 18.09 % 40-Zr-90



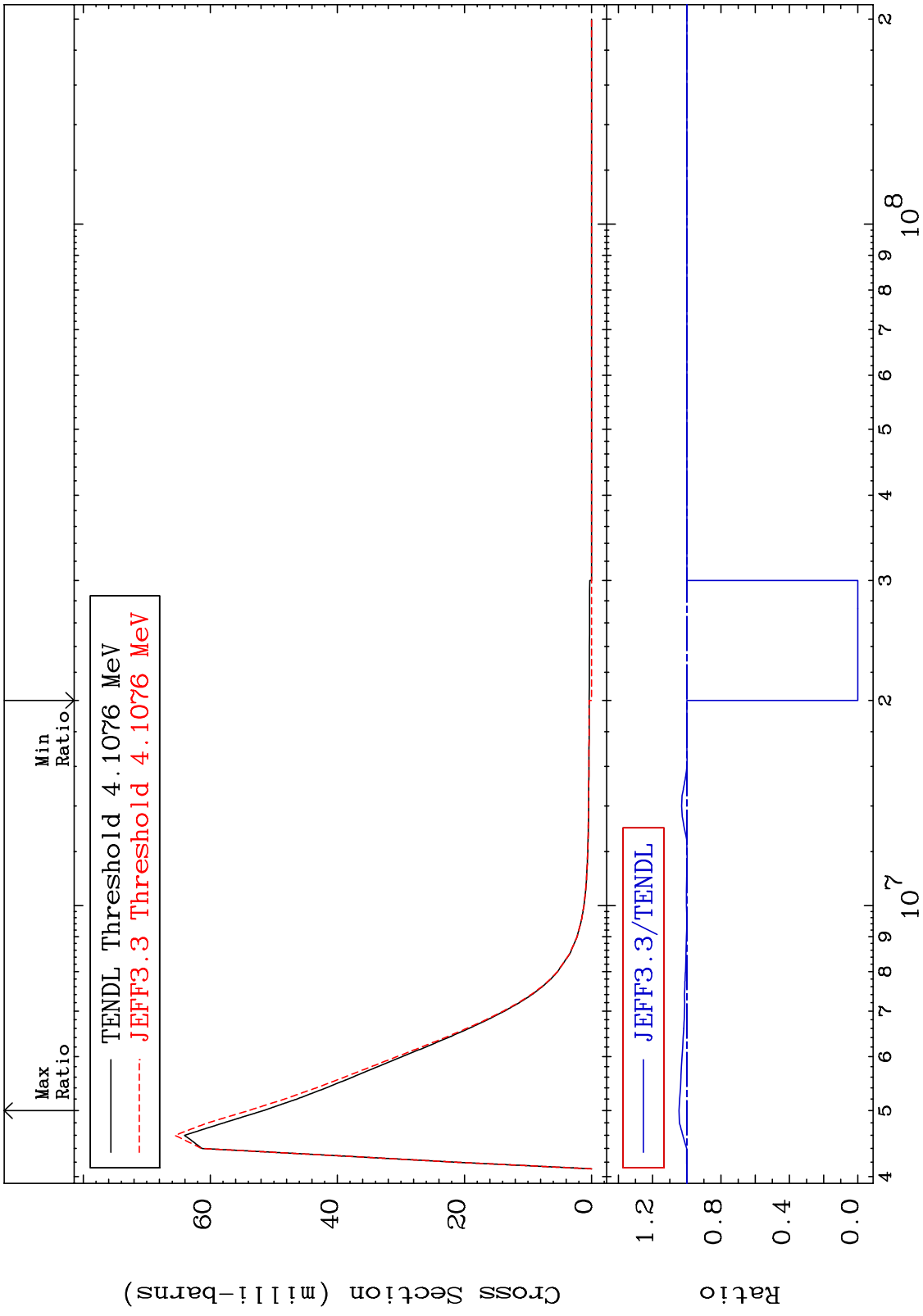
MAT 4025 MT= 61 (n,n') Level Cross Section -100.0 To 3.494 % 40-Zr-90



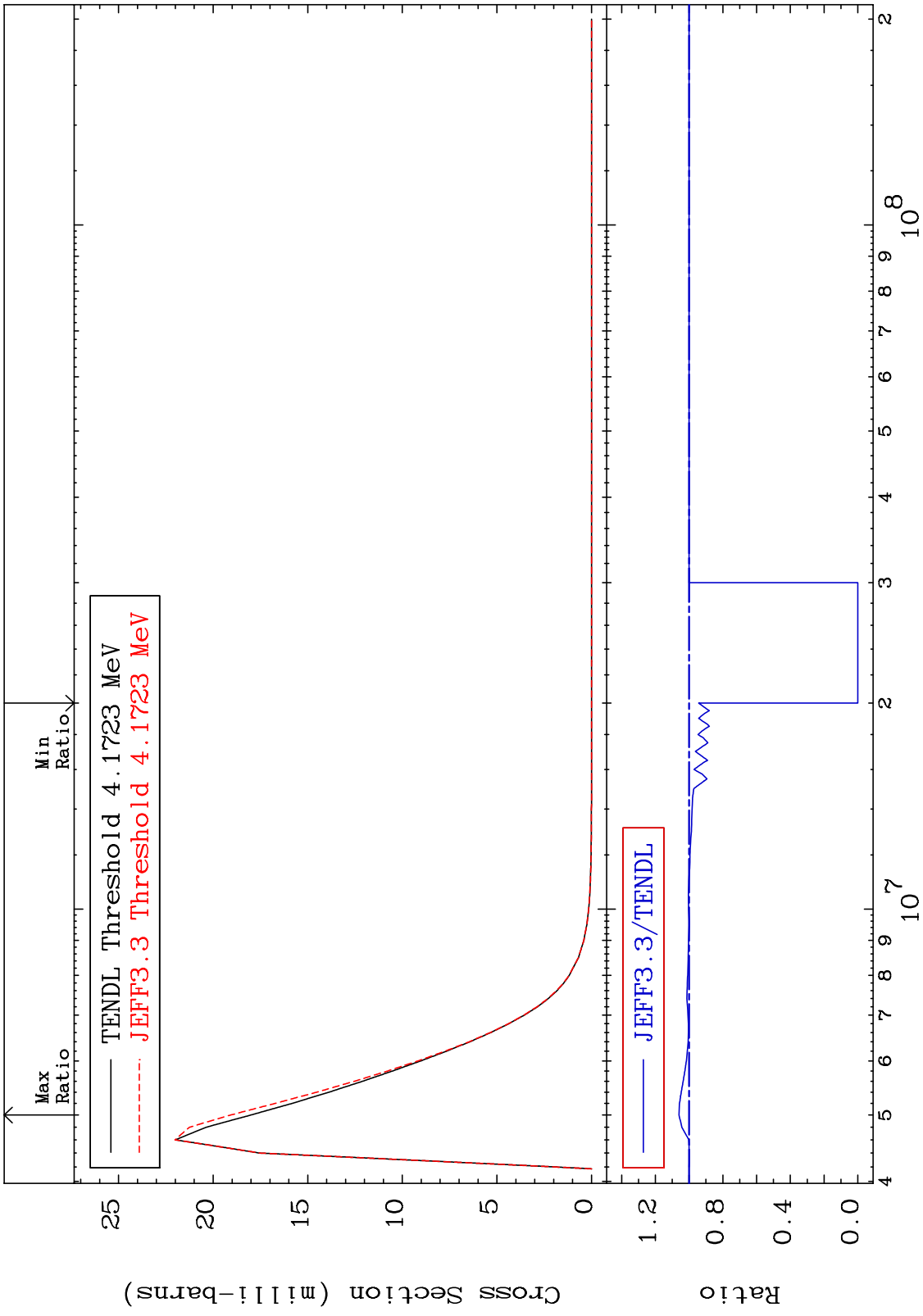
MAT 4025 MT= 62 (n,n') Level Cross Section -100.0 To 14.13 % 40-Zr-90



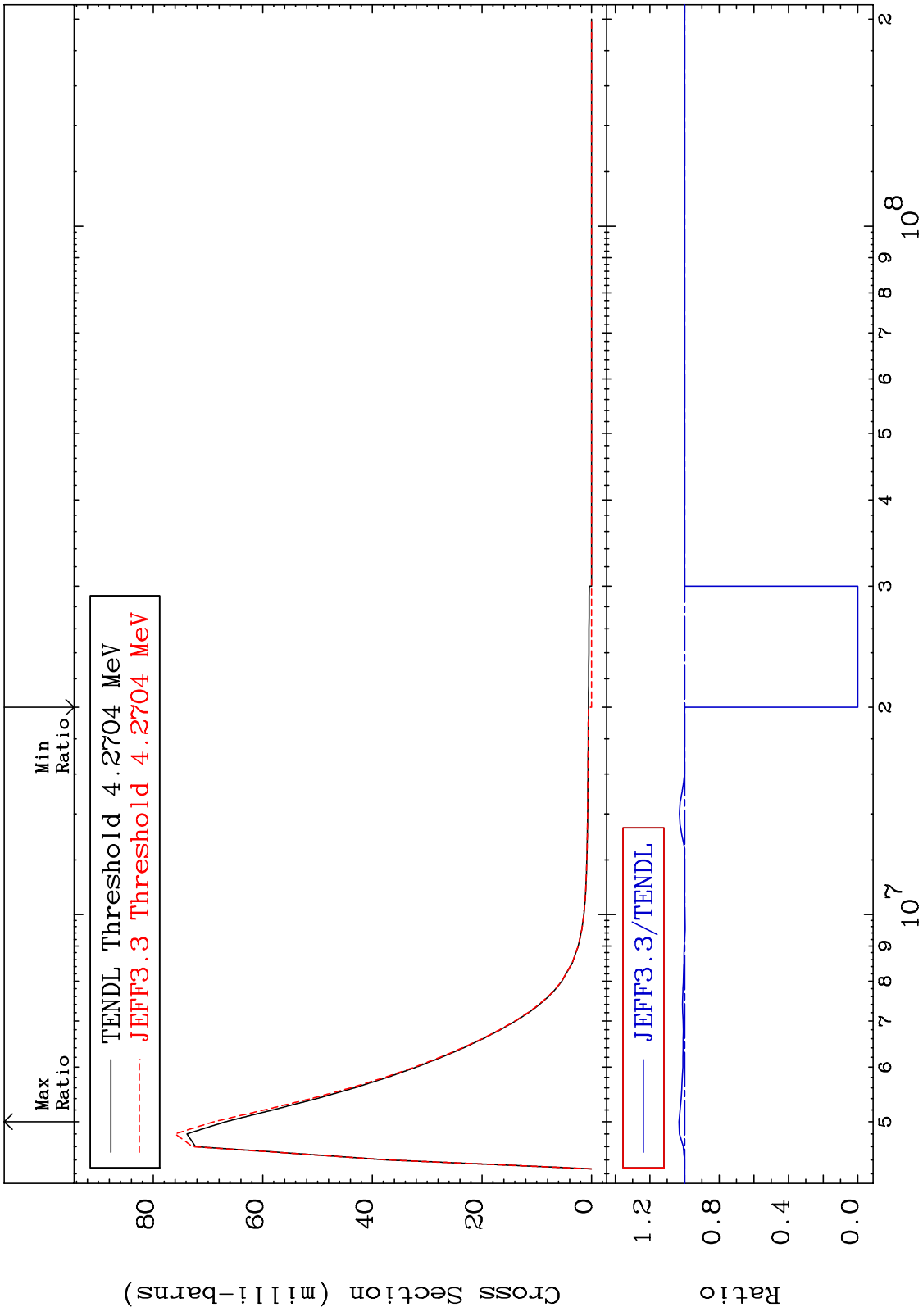
MAT 4025 MT= 63 (n,n') Level Cross Section -100.0 To 4.556 % 40-Zr-90



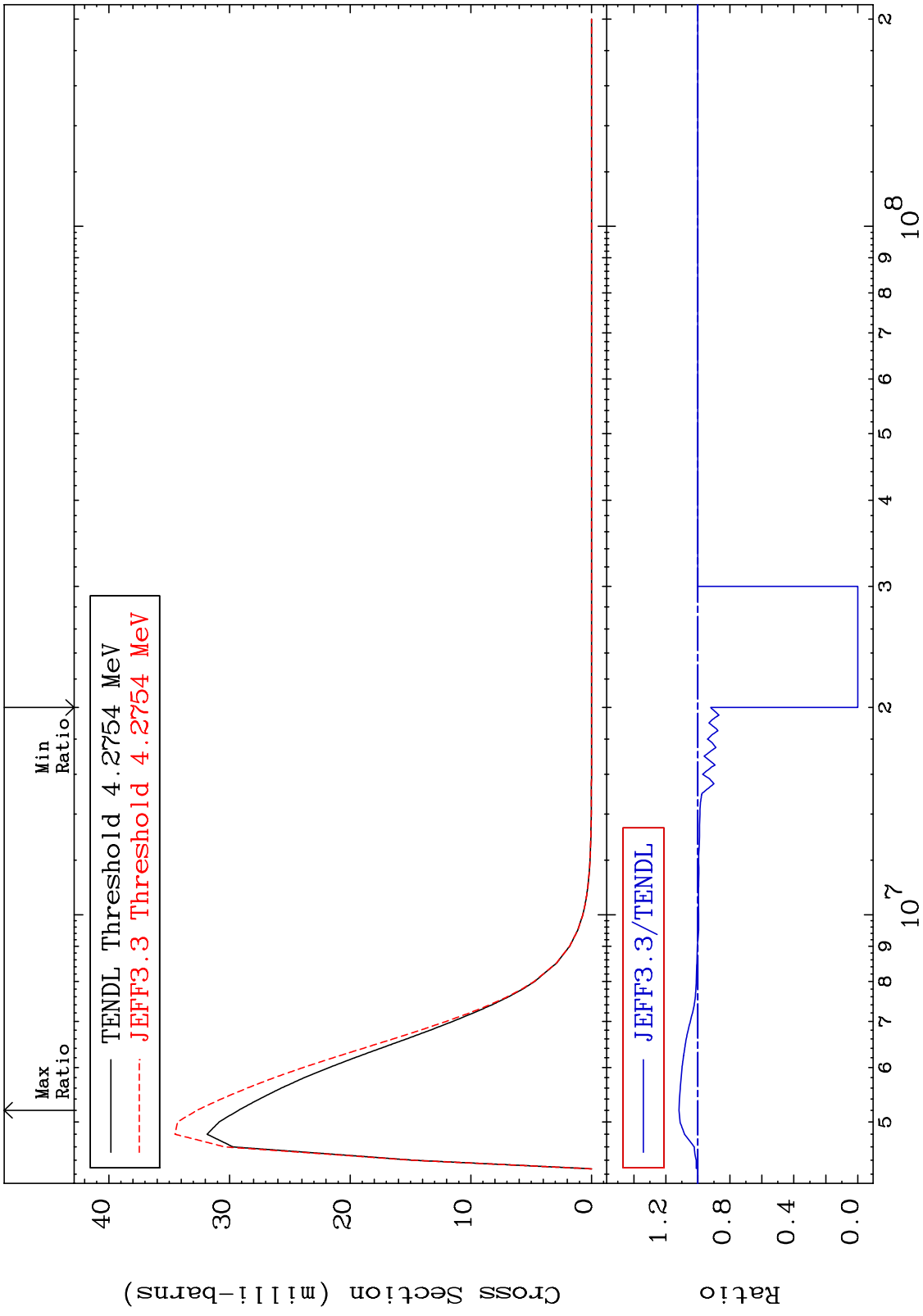
MAT 4025 MT= 64 (n,n') Level Cross Section -100.0 To 5.957 % 40-Zr-90



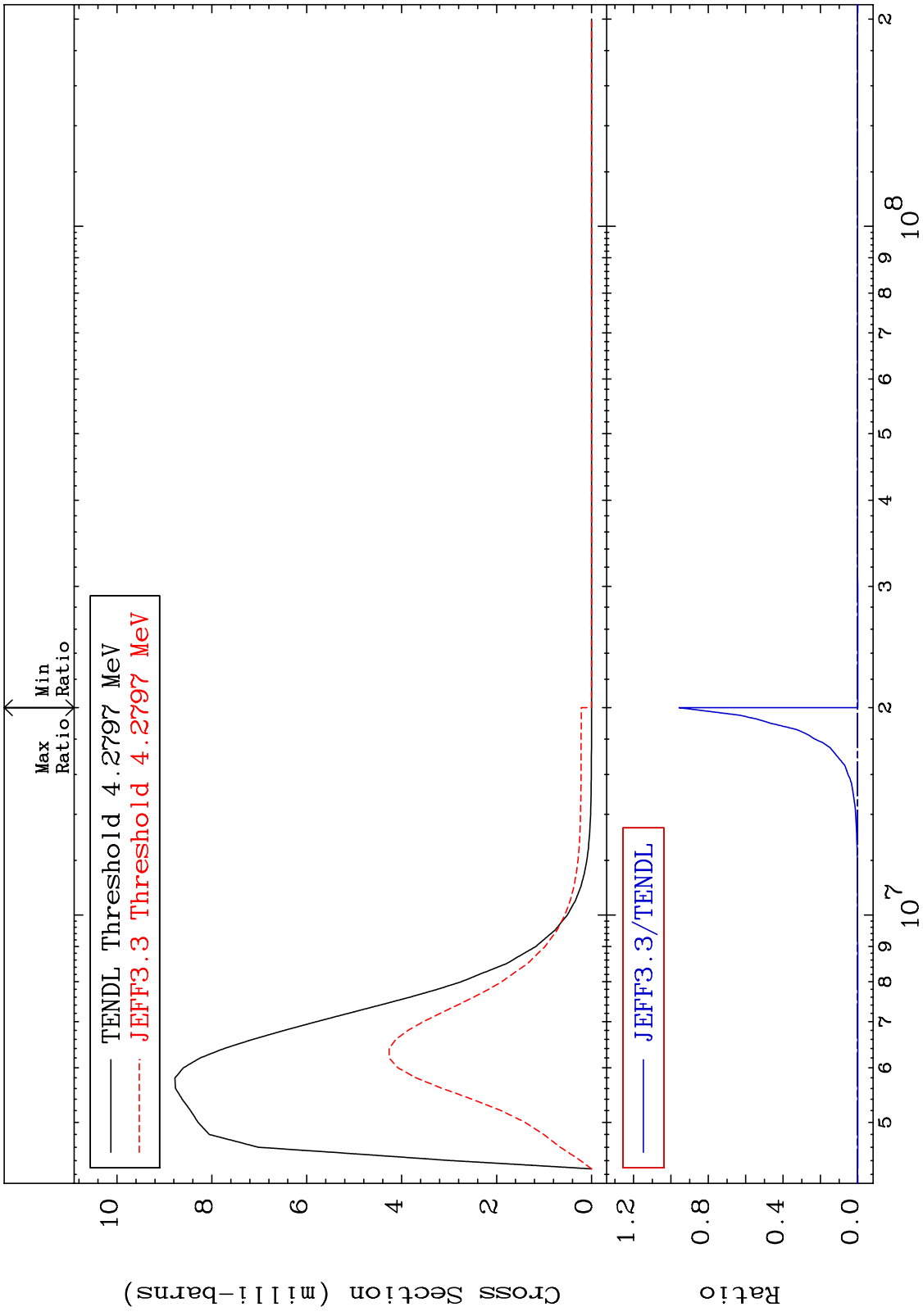
MAT 4025 MT= 65 (n,n') Level Cross Section -100.0 To 3.205 % 40-Zr-90



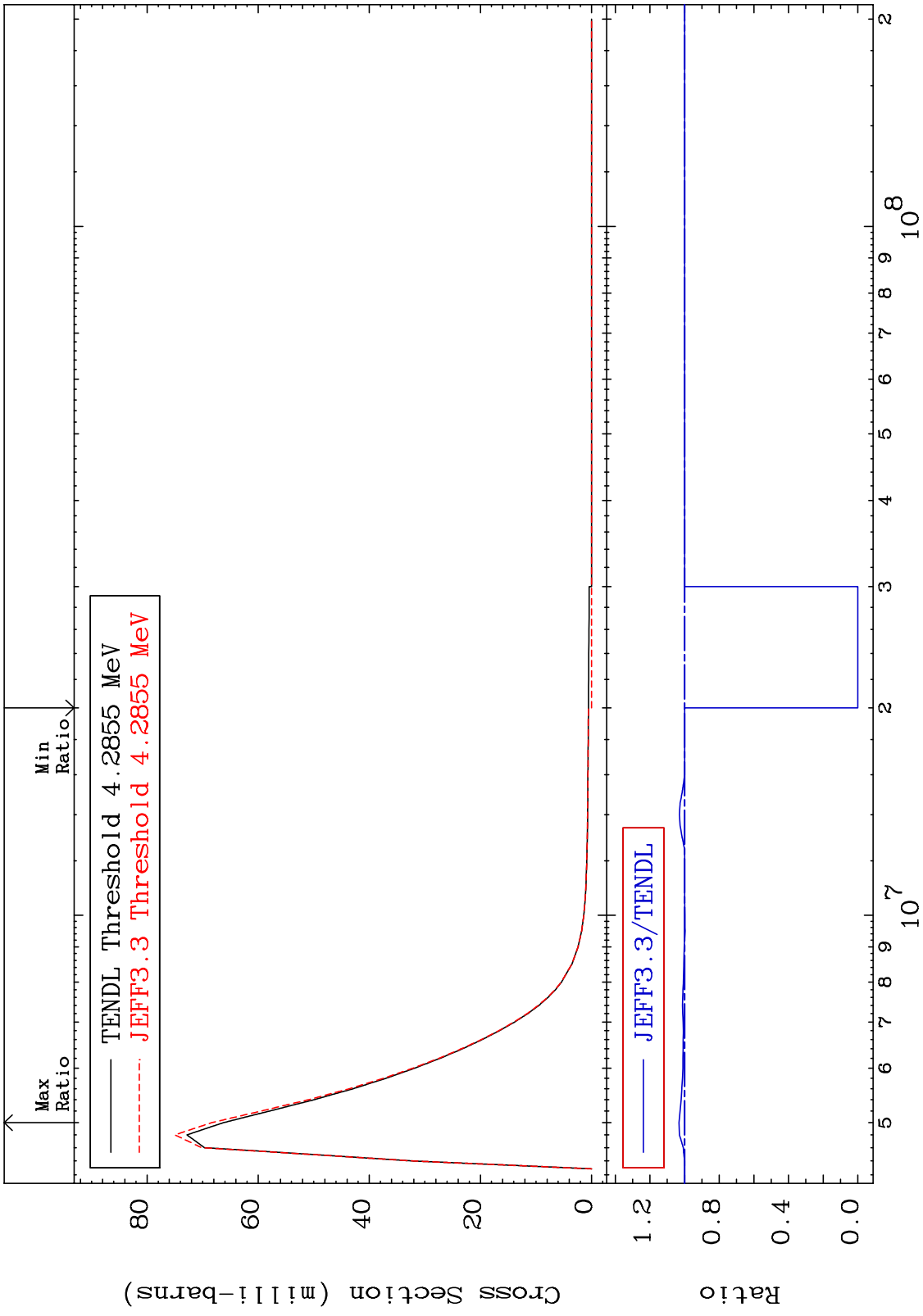
MAT 4025 MT= 66 (n,n') Level Cross Section -100.0 To 11.76 % 40-Zr-90



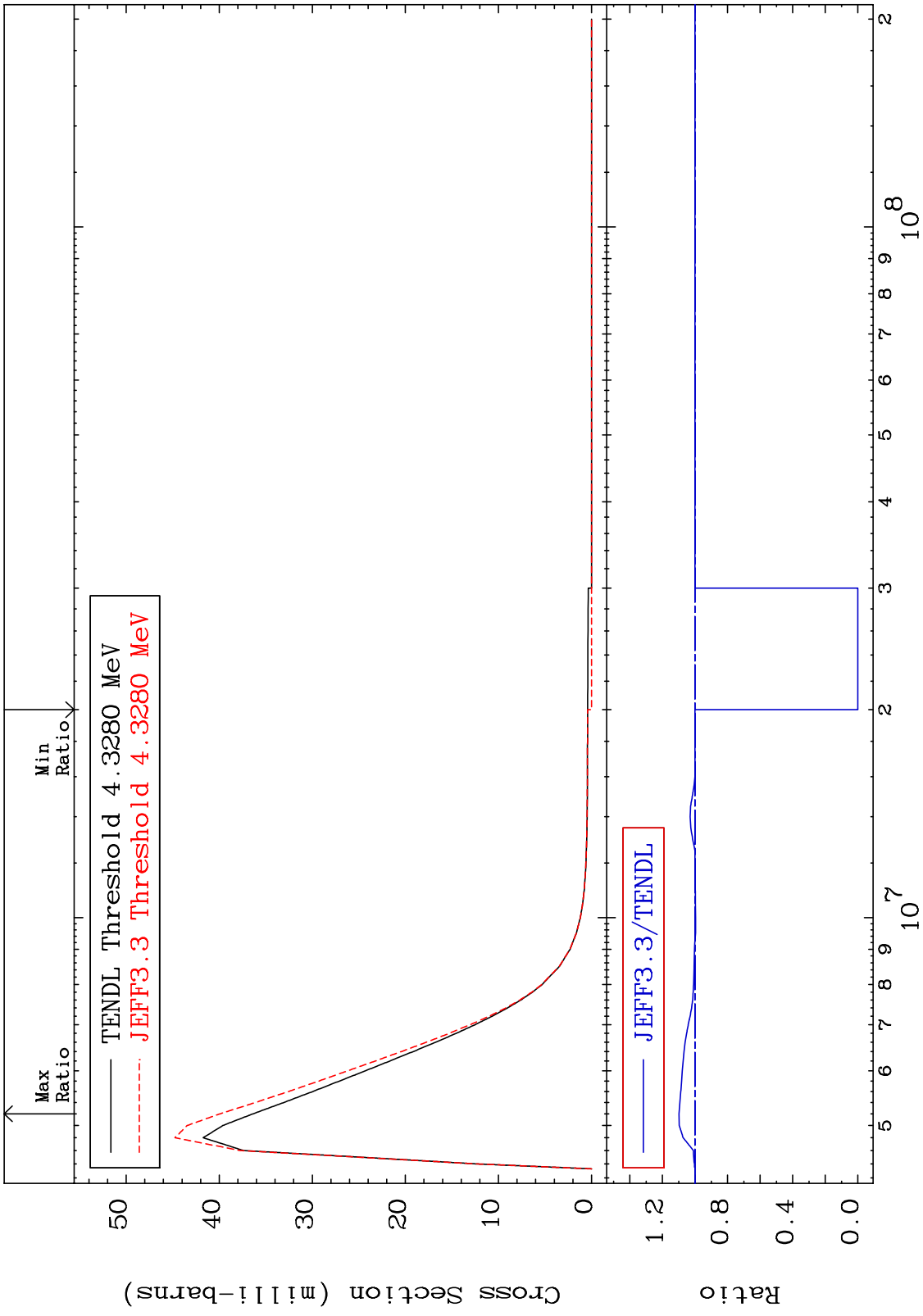
MAT 4025 MT= 67 (n,n') Level Cross Section -100.0 To 9999. % 40-Zr-90



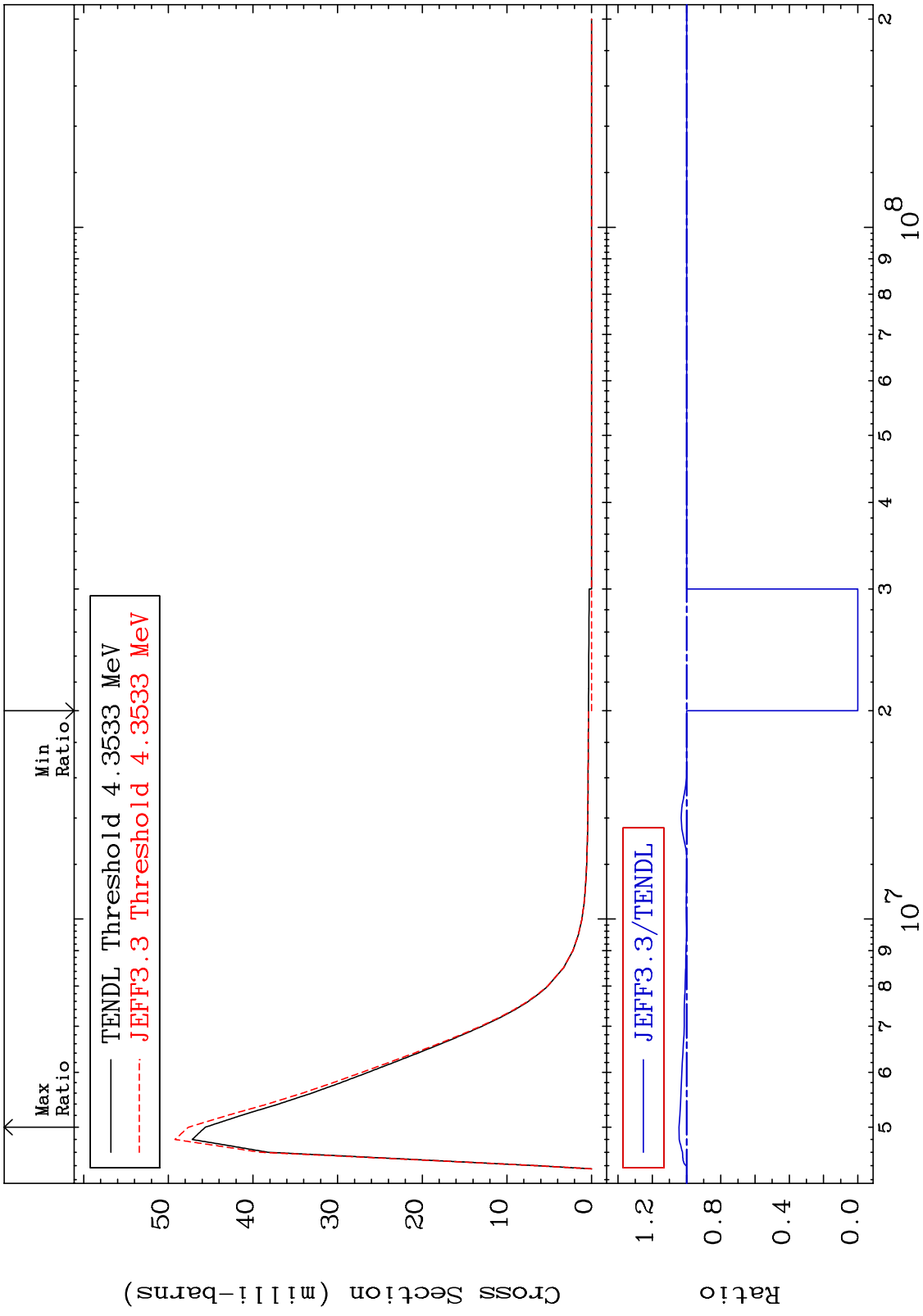
MAT 4025 MT= 68 (n,n') Level Cross Section -100.0 To 3.196 % 40-Zr-90



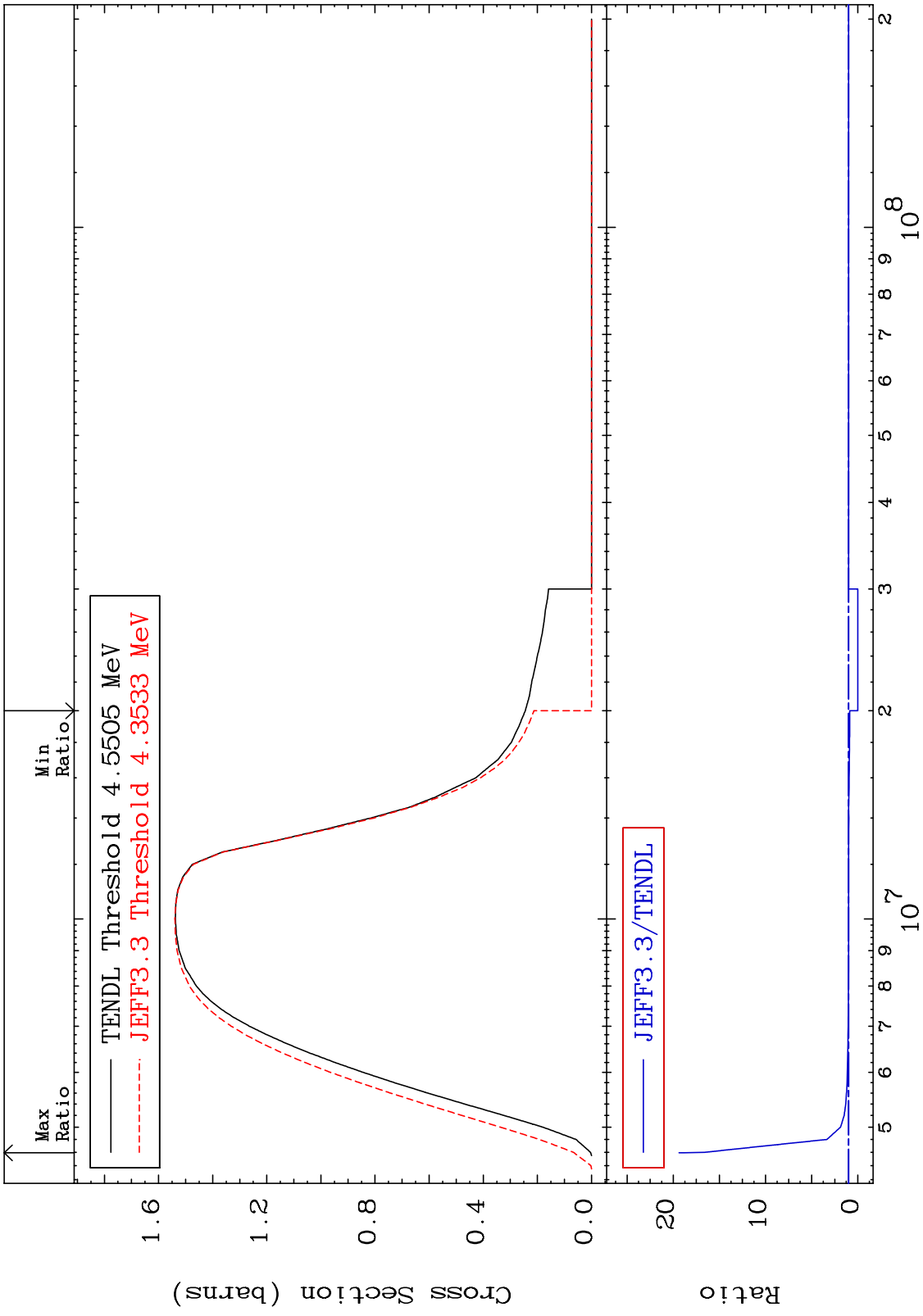
MAT 4025 MT= 69 (n,n') Level Cross Section -100.0 To 9.770 % 40-Zr-90



MAT 4025 MT= 70 (n,n') Level Cross Section -100.0 To 4.380 % 40-Zr-90



MAT 4025 (n,n') Continuum Cross Section 40-Zr-90 -100.0 To 1837. %



28 Incident Energy (eV) 40-Zr-90

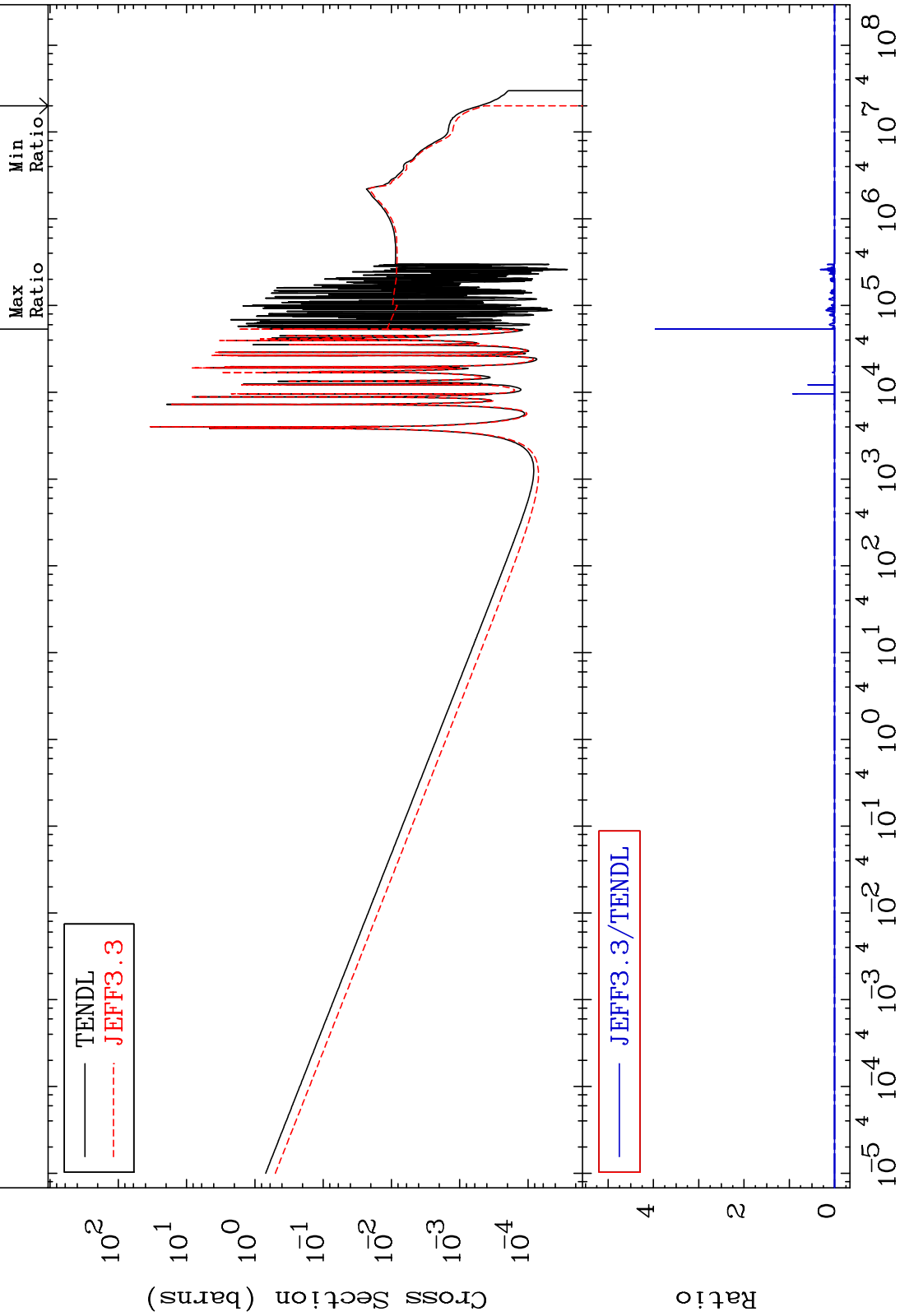
MAT 4025

(n, γ)

40-Zr-90

Cross Section

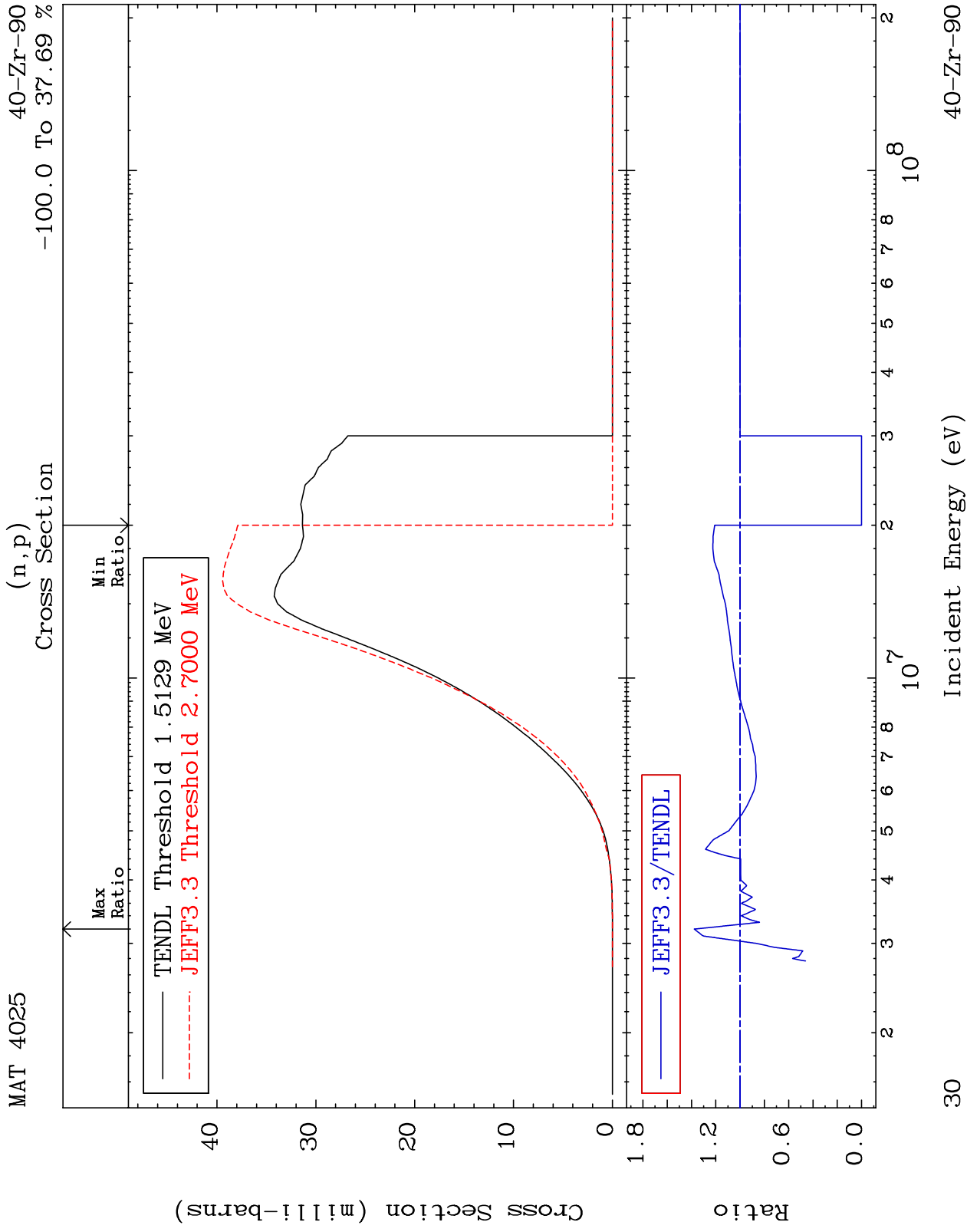
-100.0 To 9999. %

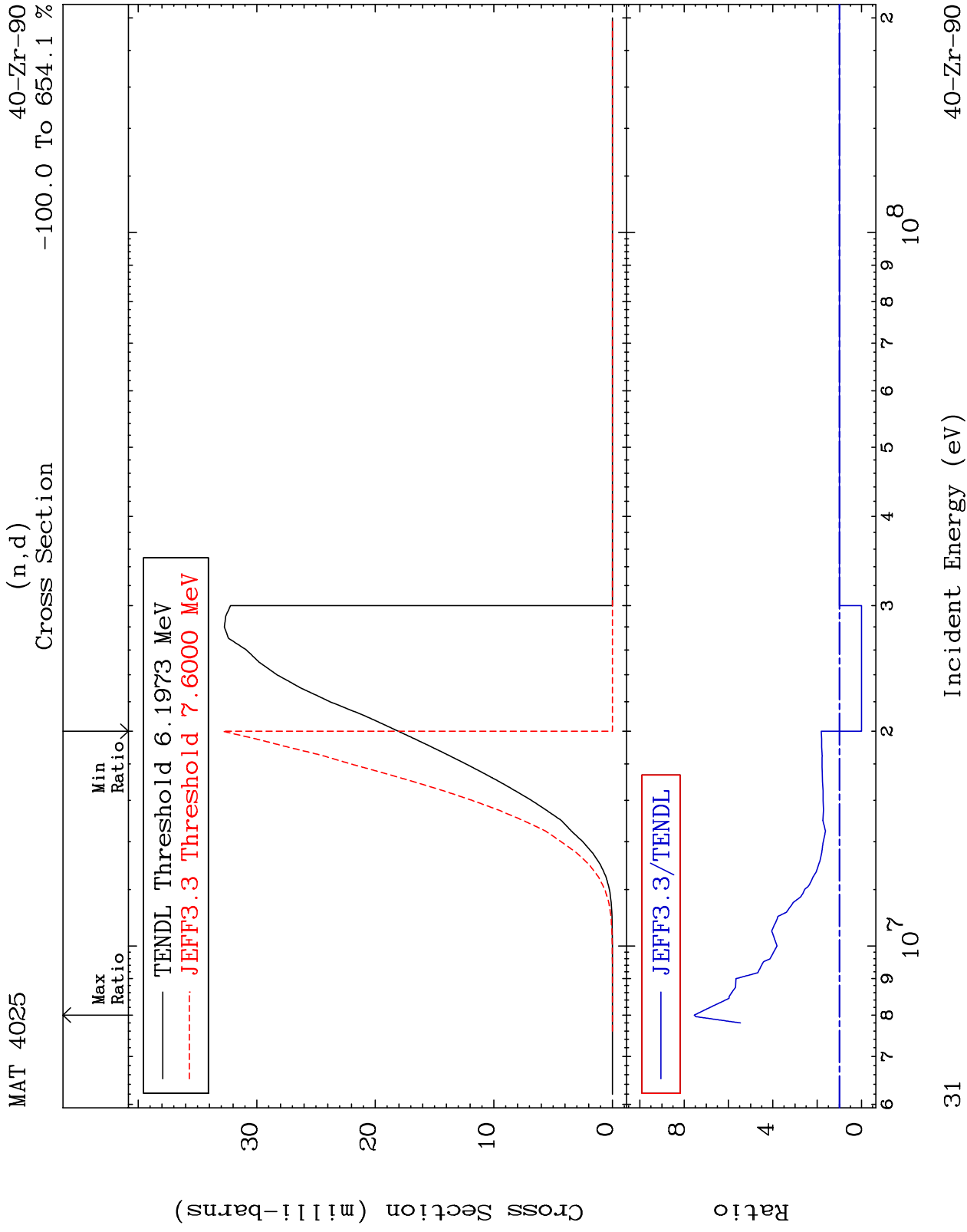


29

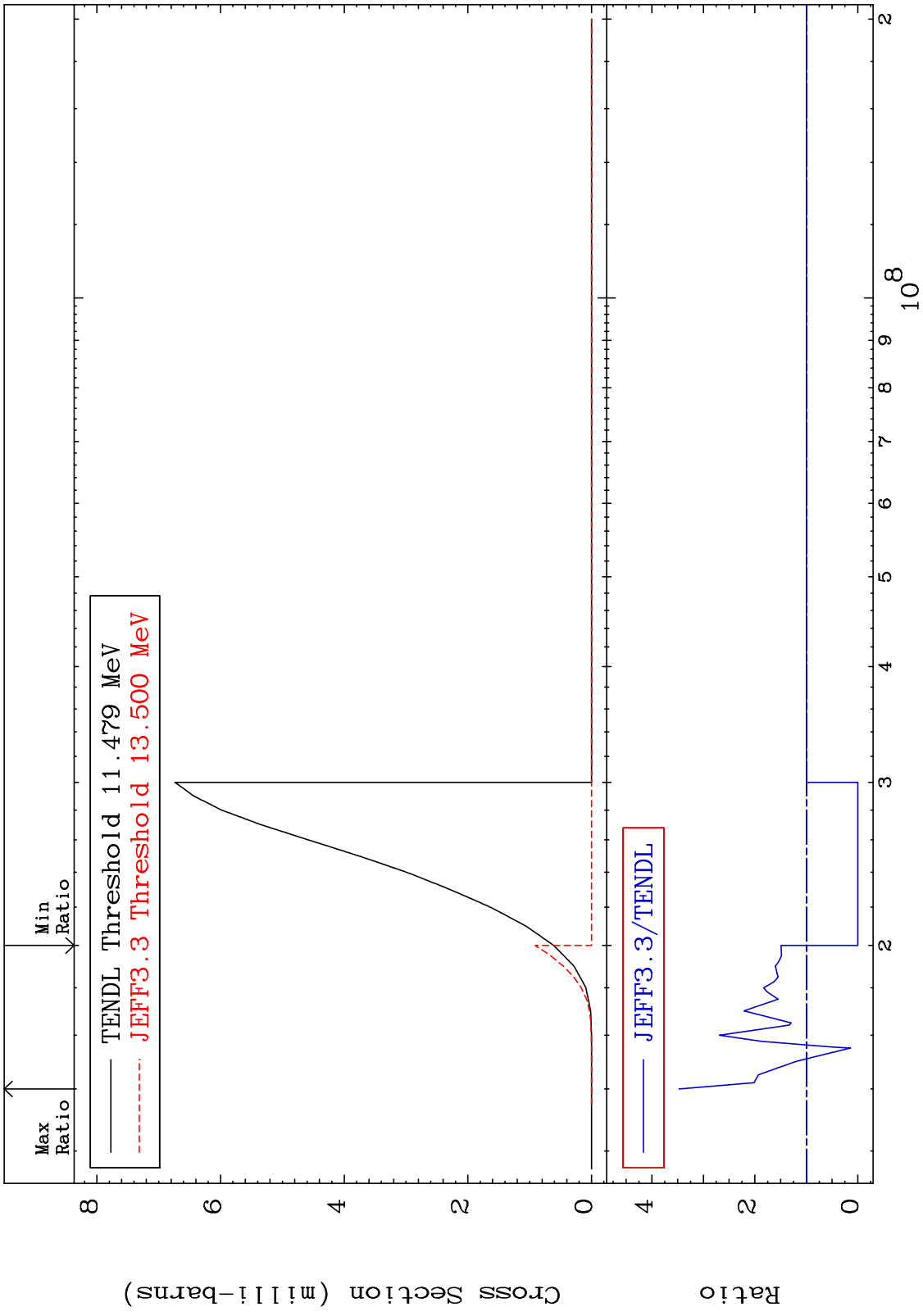
Incident Energy (eV)

40-Zr-90

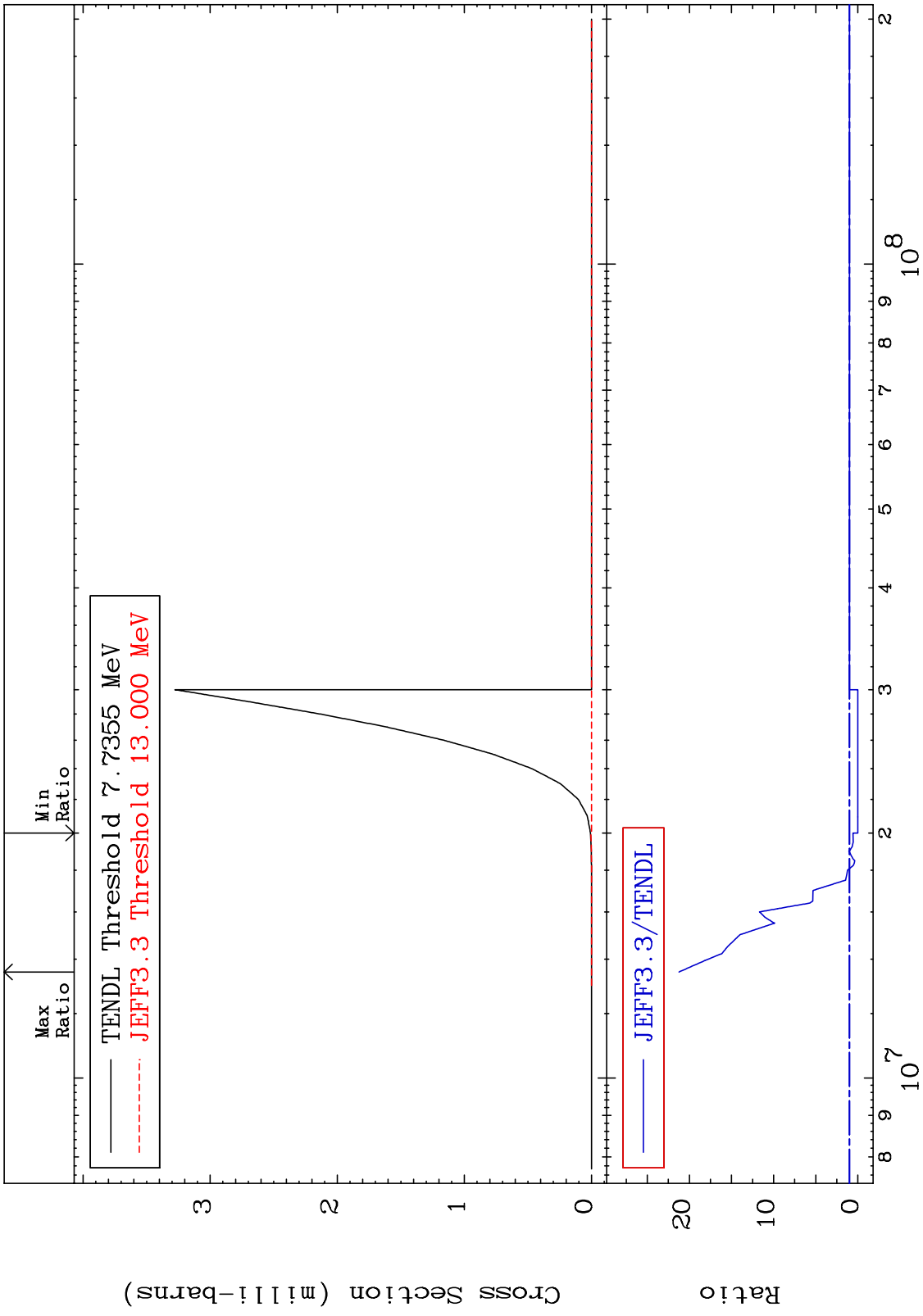




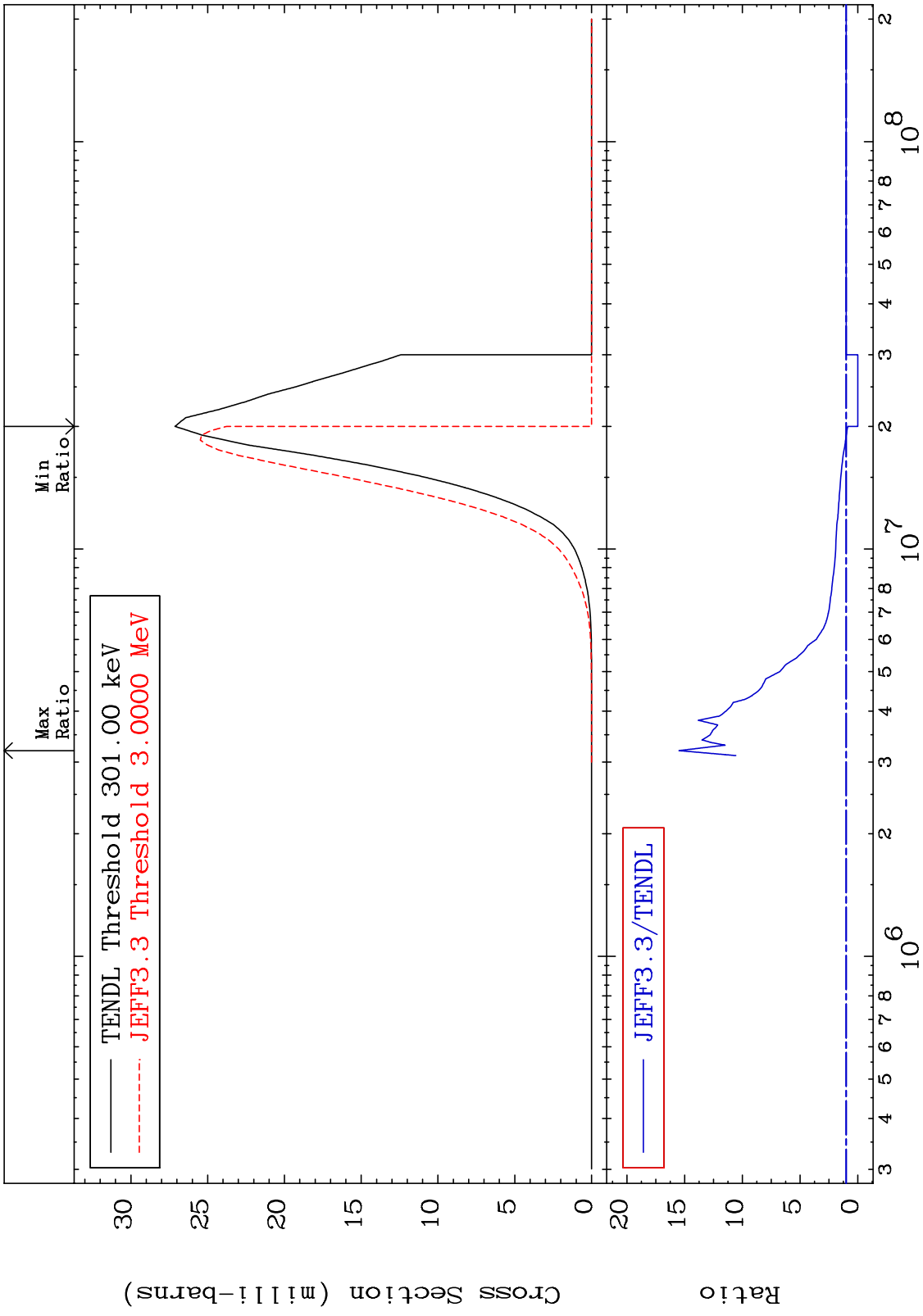
MAT 4025 (n,t) 40-Zr-90
 Cross Section -100.0 To 247.2 %



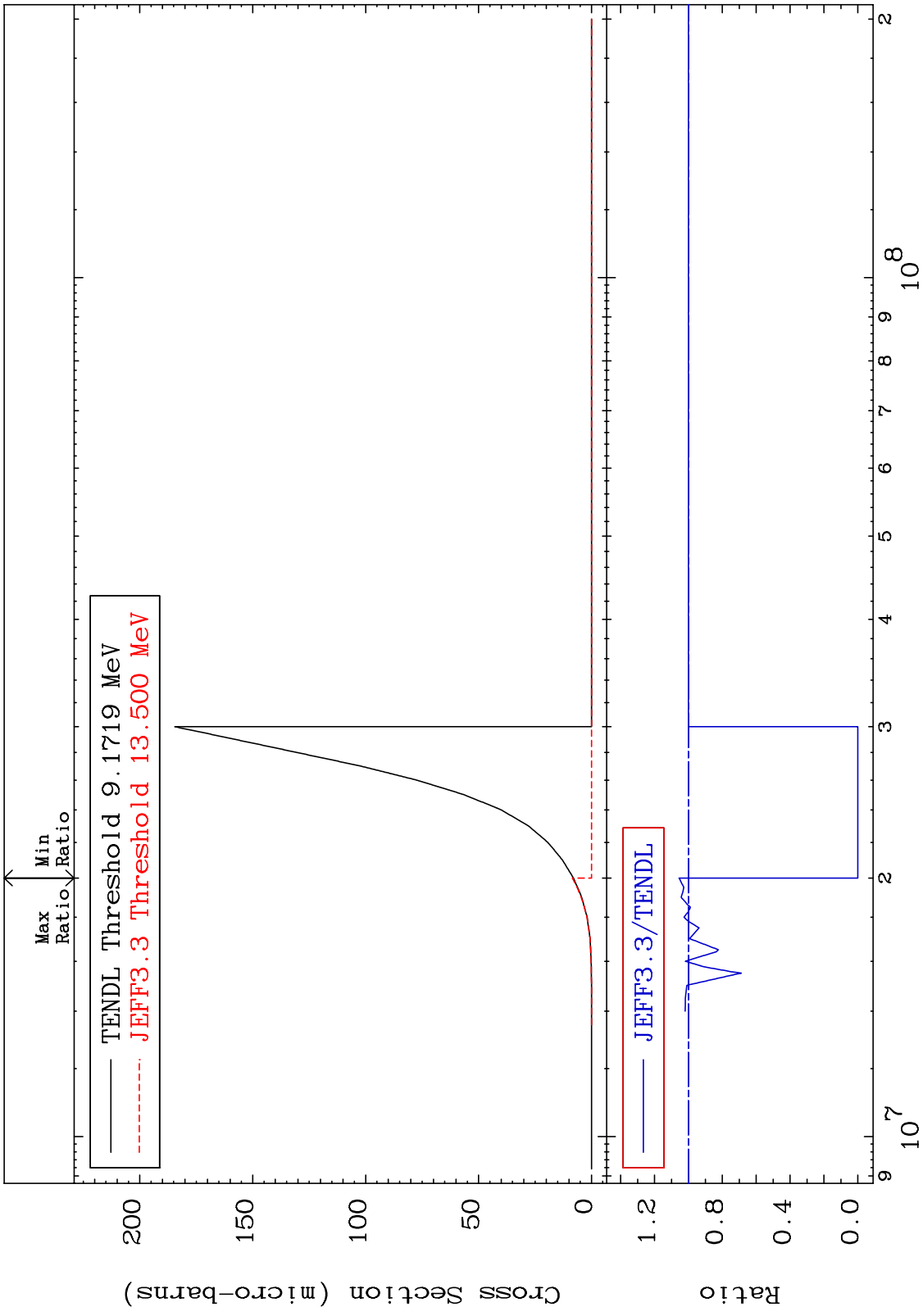
MAT 4025 (n, He-3) 40-Zr-90
 Cross Section -100.0 To 2023. %

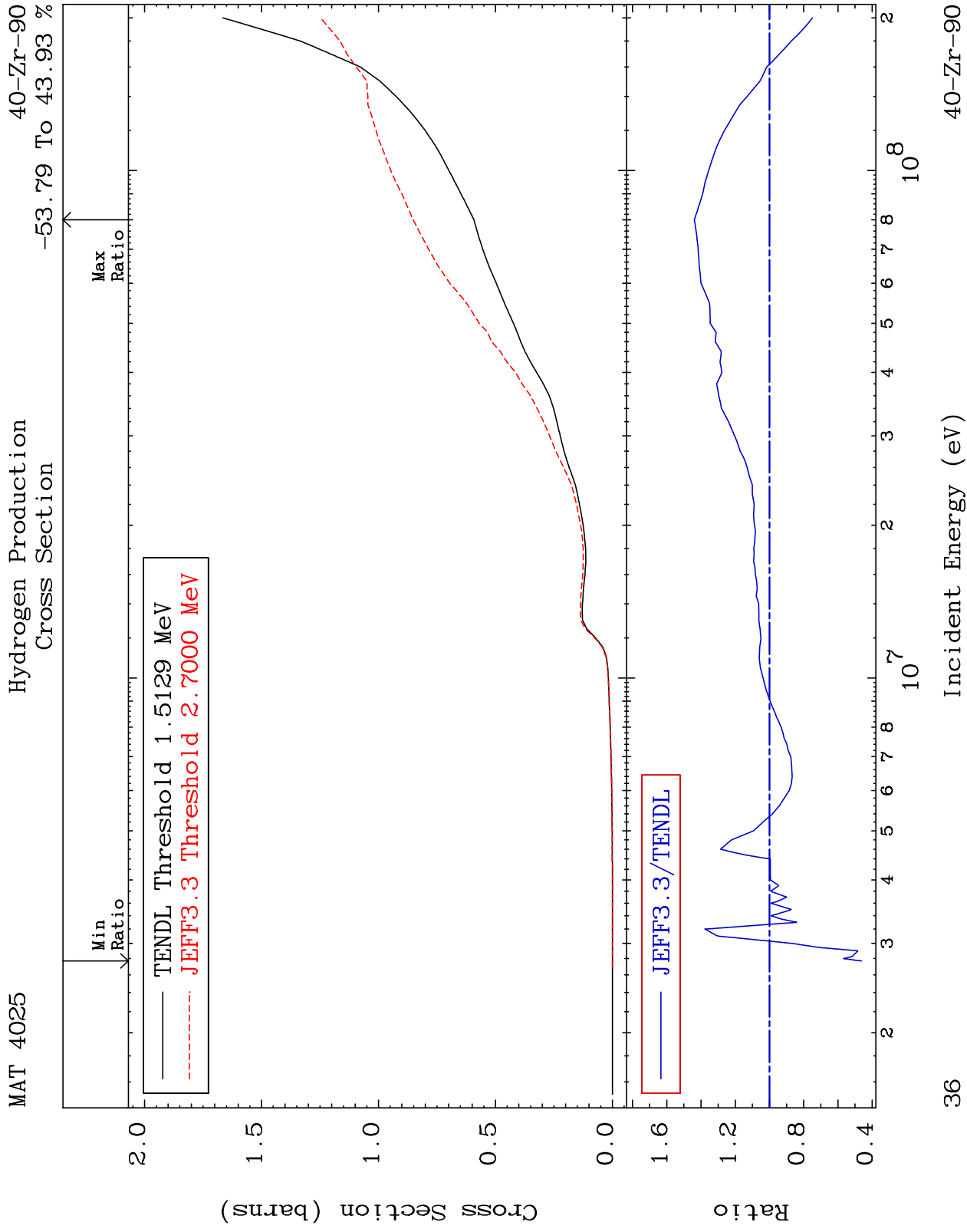


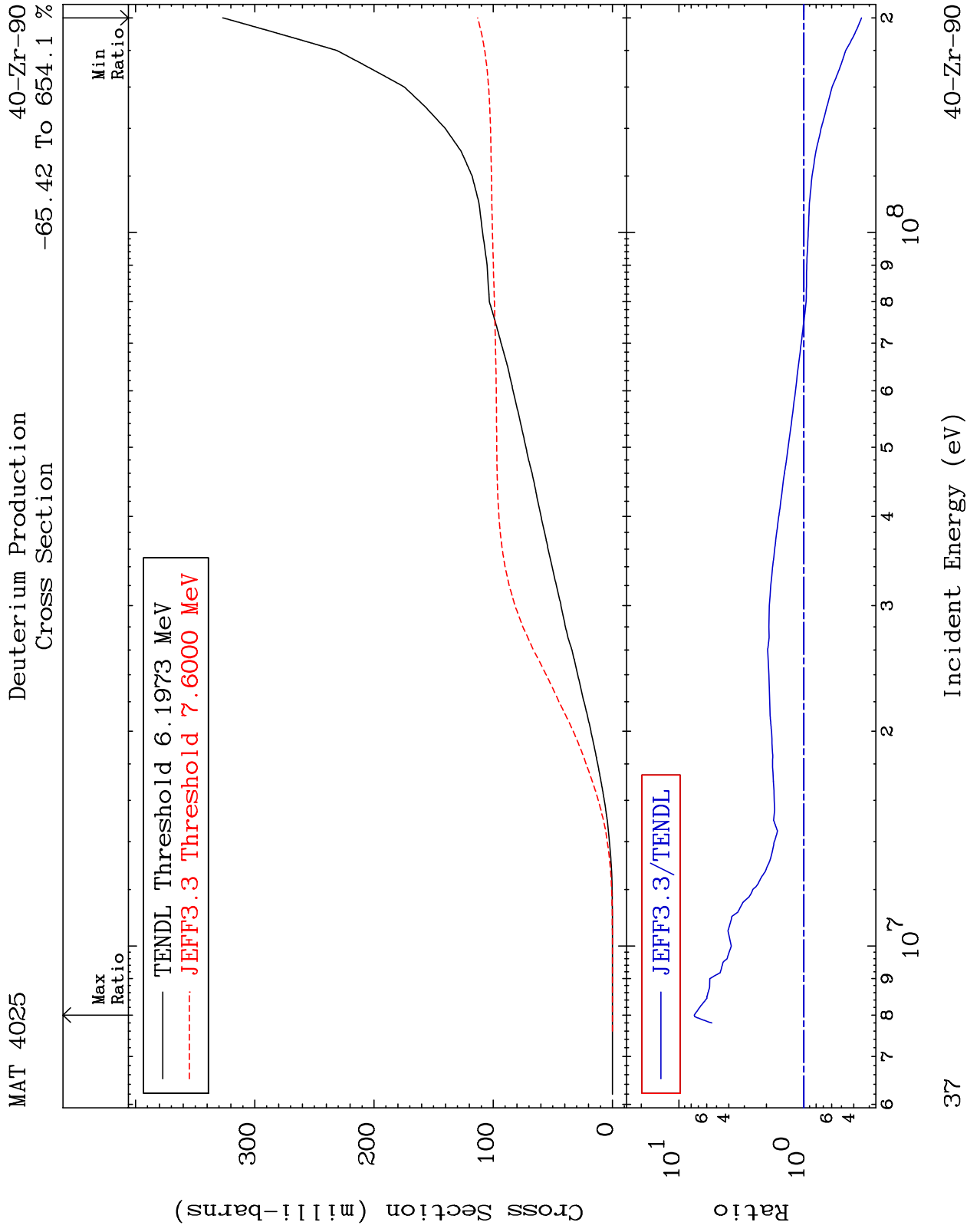
MAT 4025 40-Zr-90
-100.0 To 1449. %

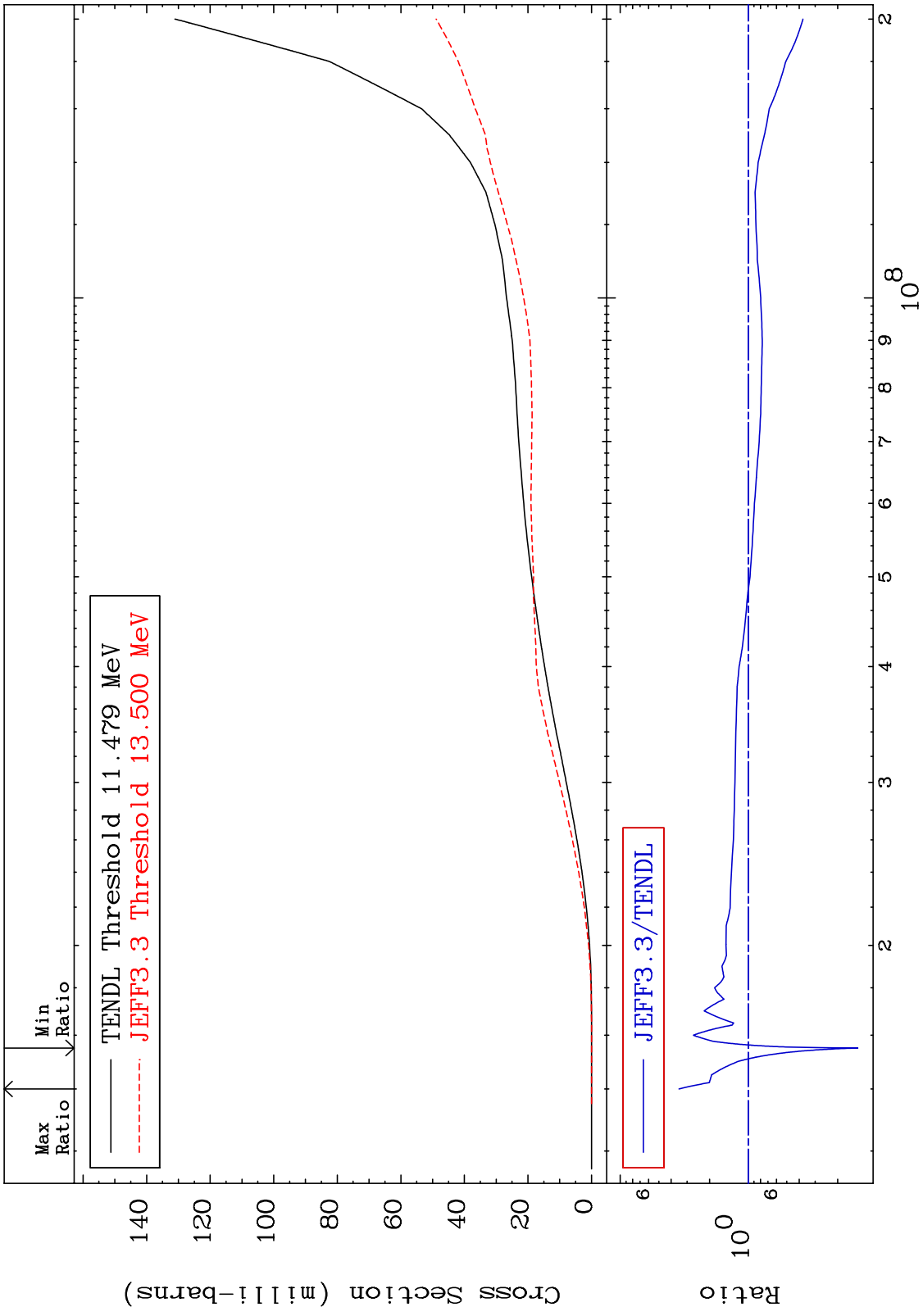


MAT 4025 (n,2p) Cross Section 40-Zr-90
 -100.0 To 5.546 %

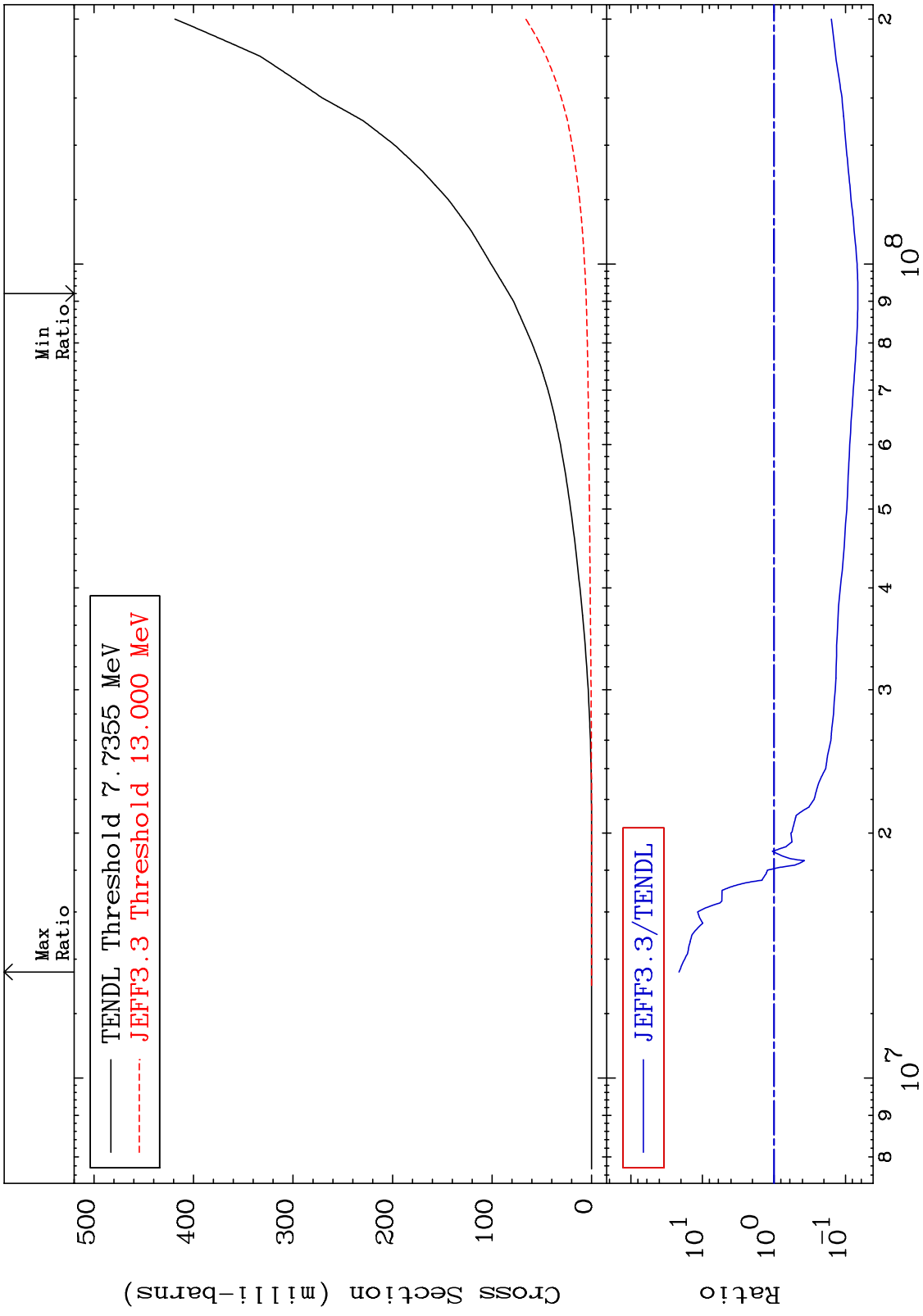








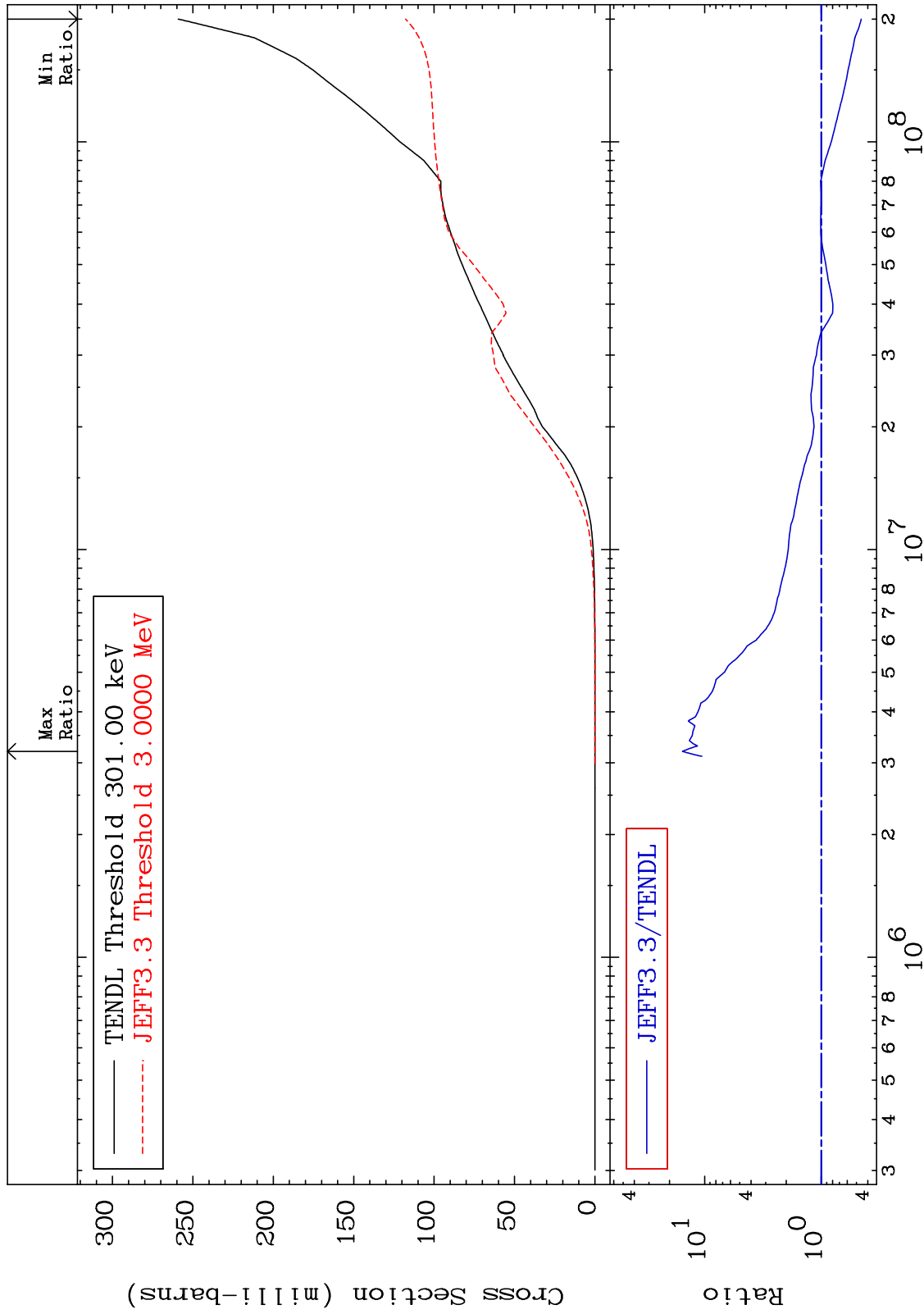
MAT 4025 He-3 Production Cross Section 40-Zr-90
 -93.28 To 2023. %



MAT 4025

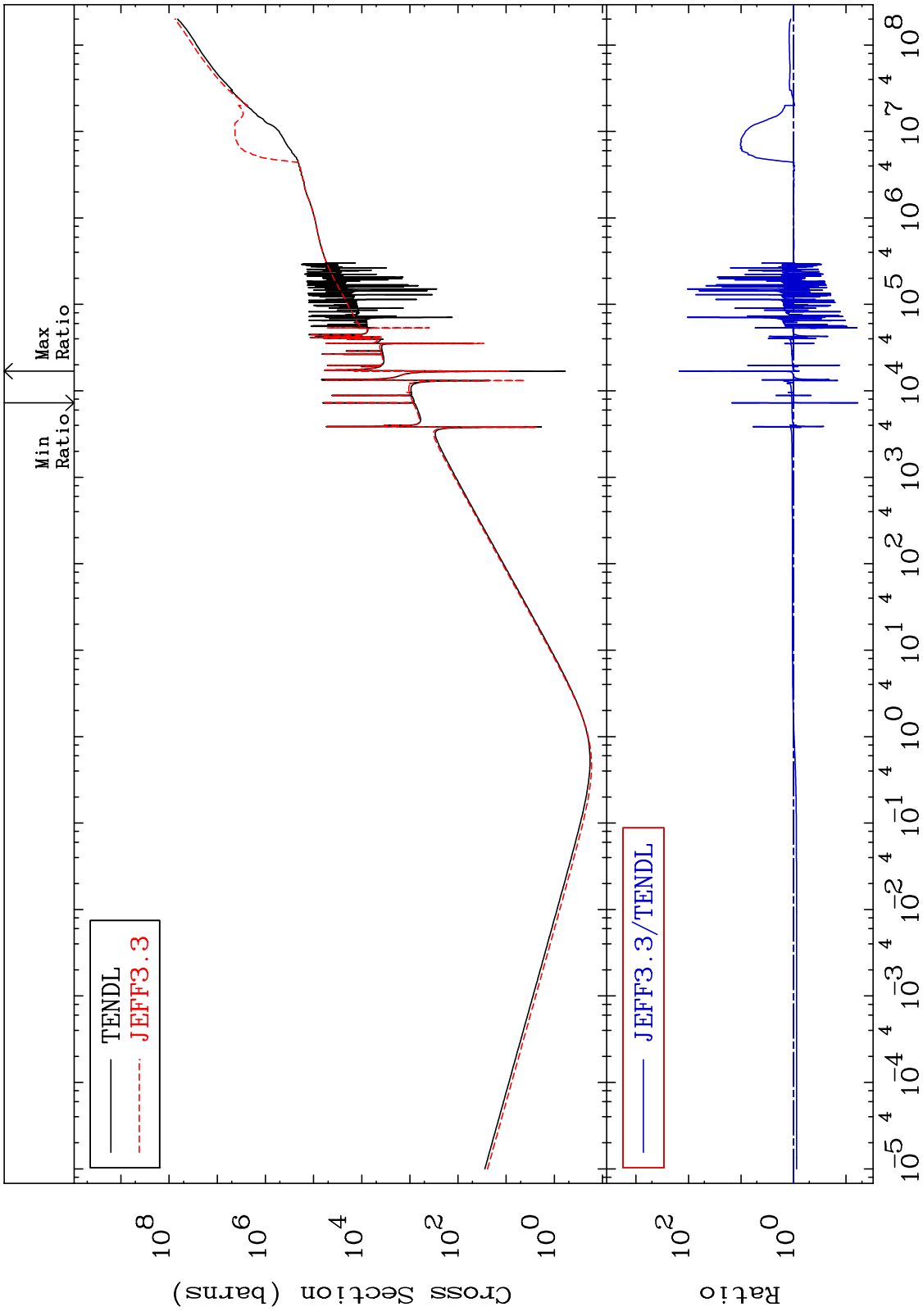
He-4 Production
Cross Section

40-Zr-90
-54.58 To 1449. %



40

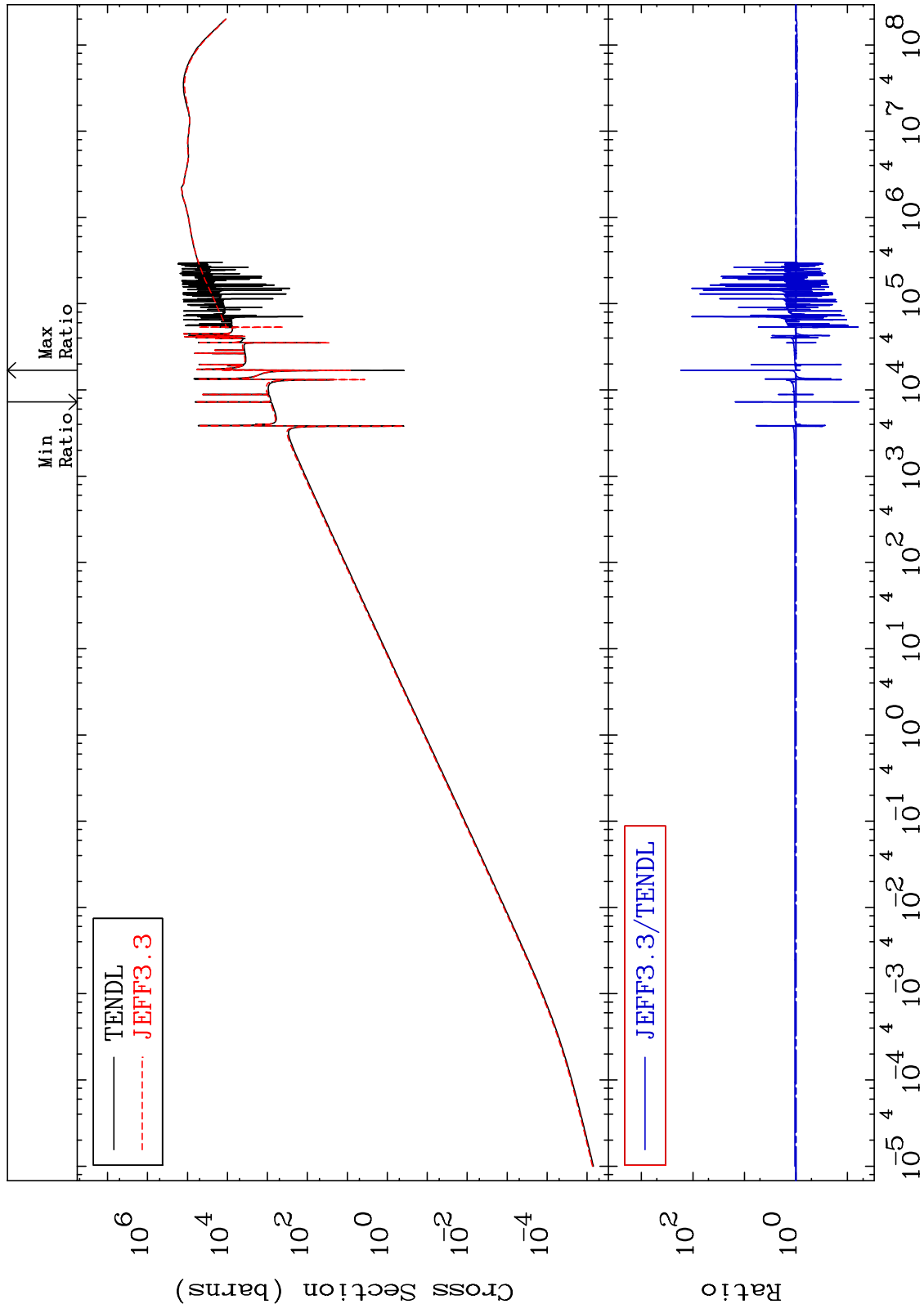
MAT 4025 Kerma total (eV-barns) 40-Zr-90
 Cross Section -94.03 To 9999. %



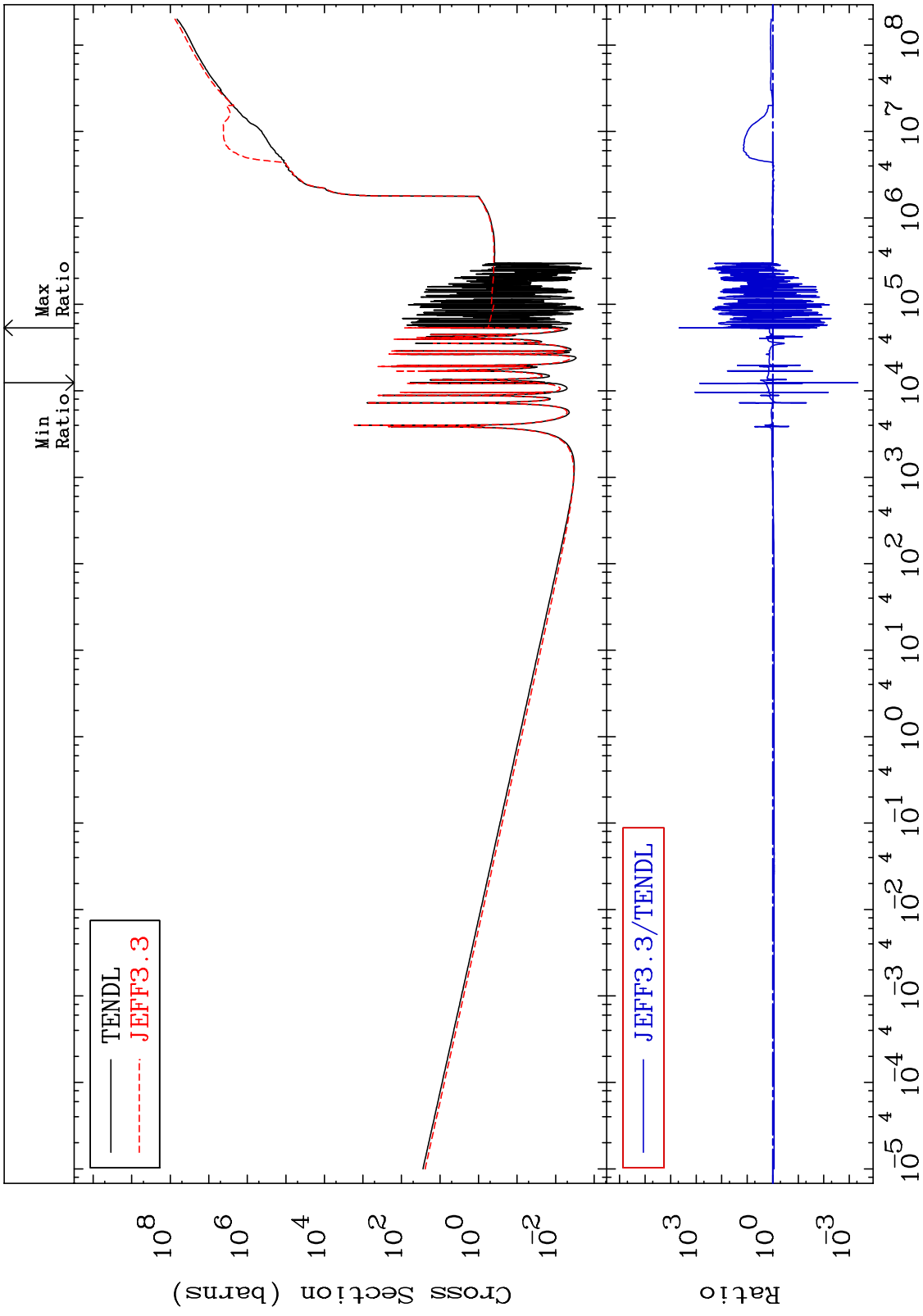
MAT 4025

Kerma elastic
Cross Section

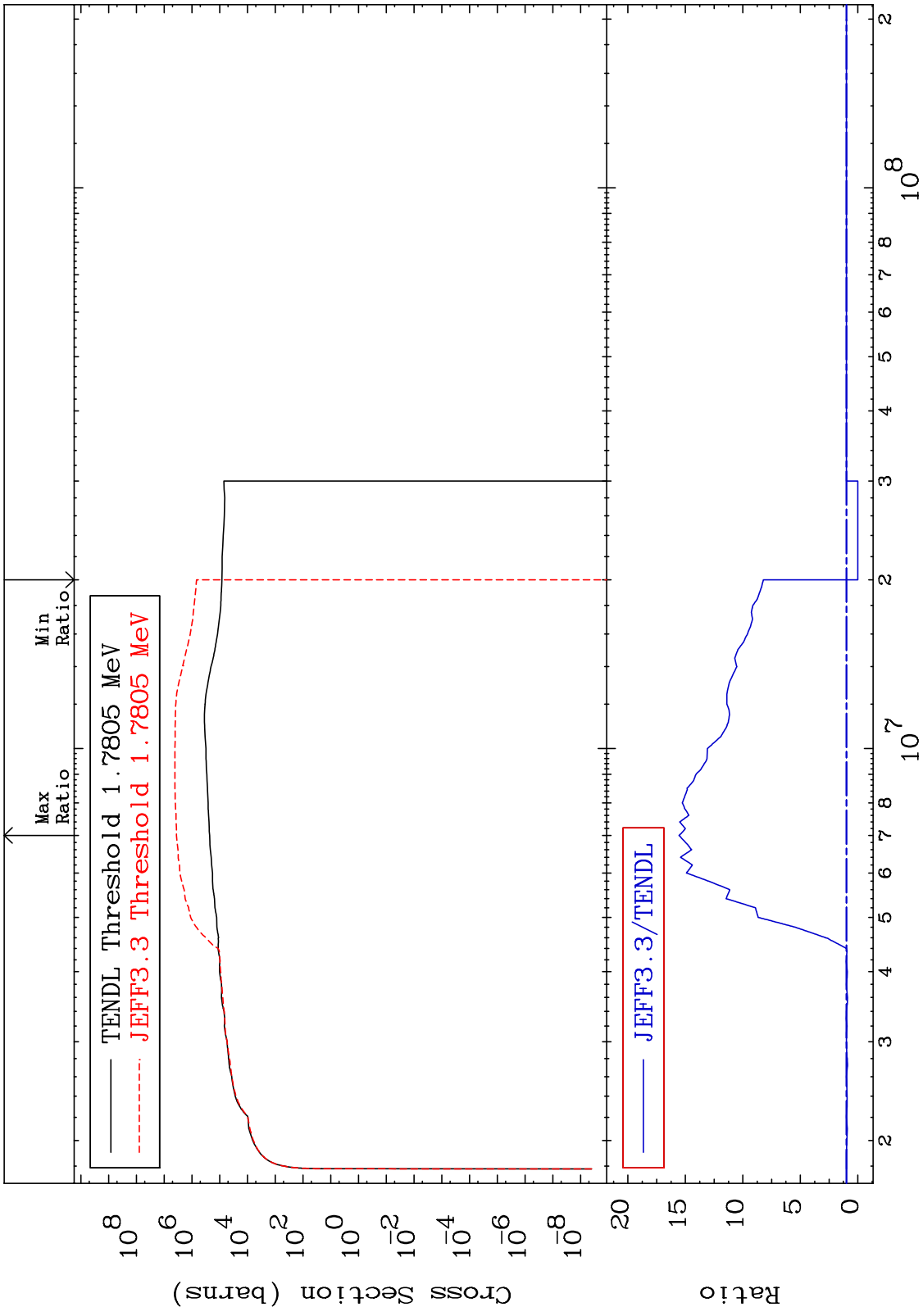
40-Zr-90
-94.02 To 9999. %



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



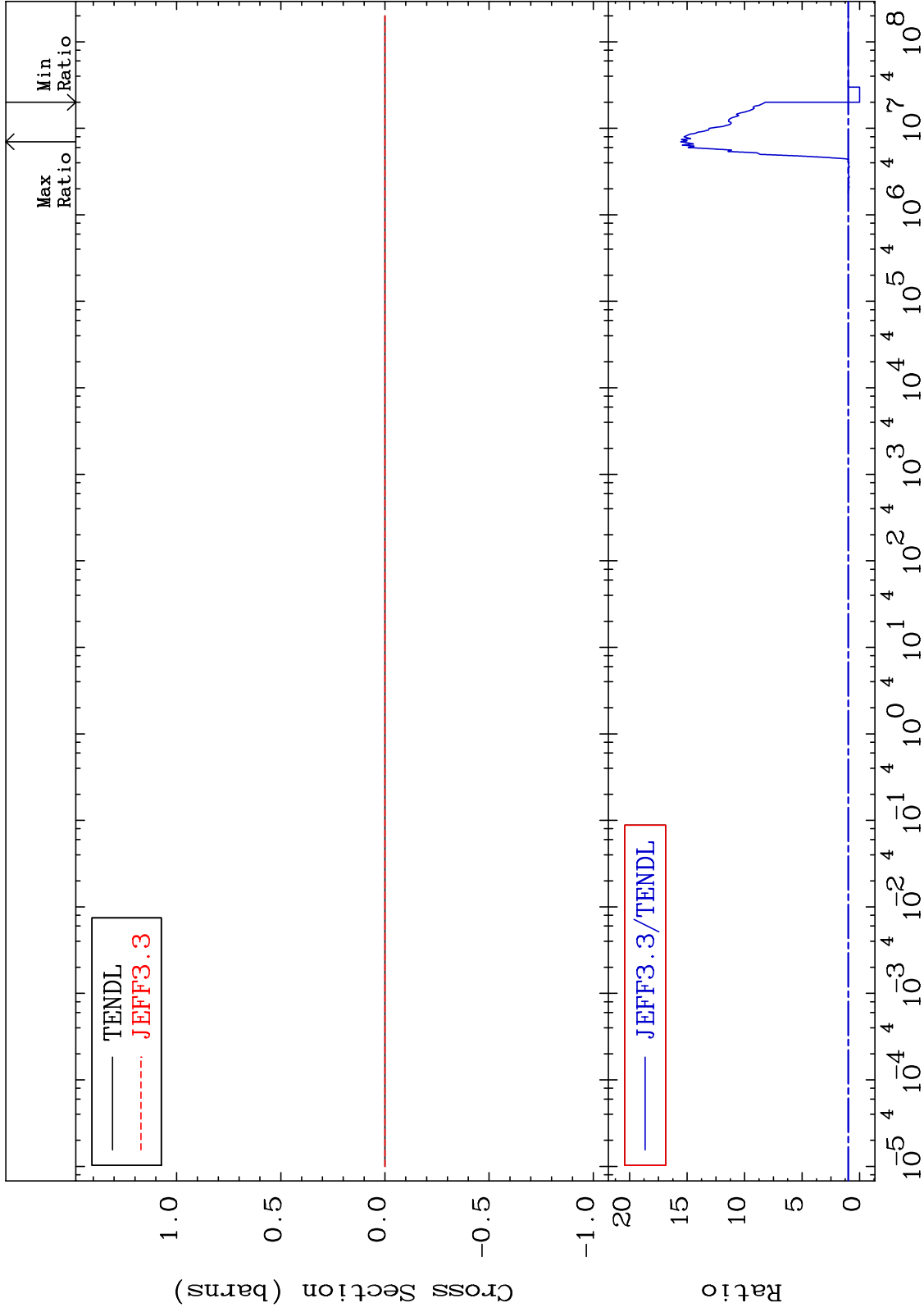
MAT 4025 Kerma inelastic (mt51-91) 40-Zr-90
 -100.0 To 1455. %
 Cross Section



MAT 4025

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

40-Zr-90
-100.0 To 1455. %



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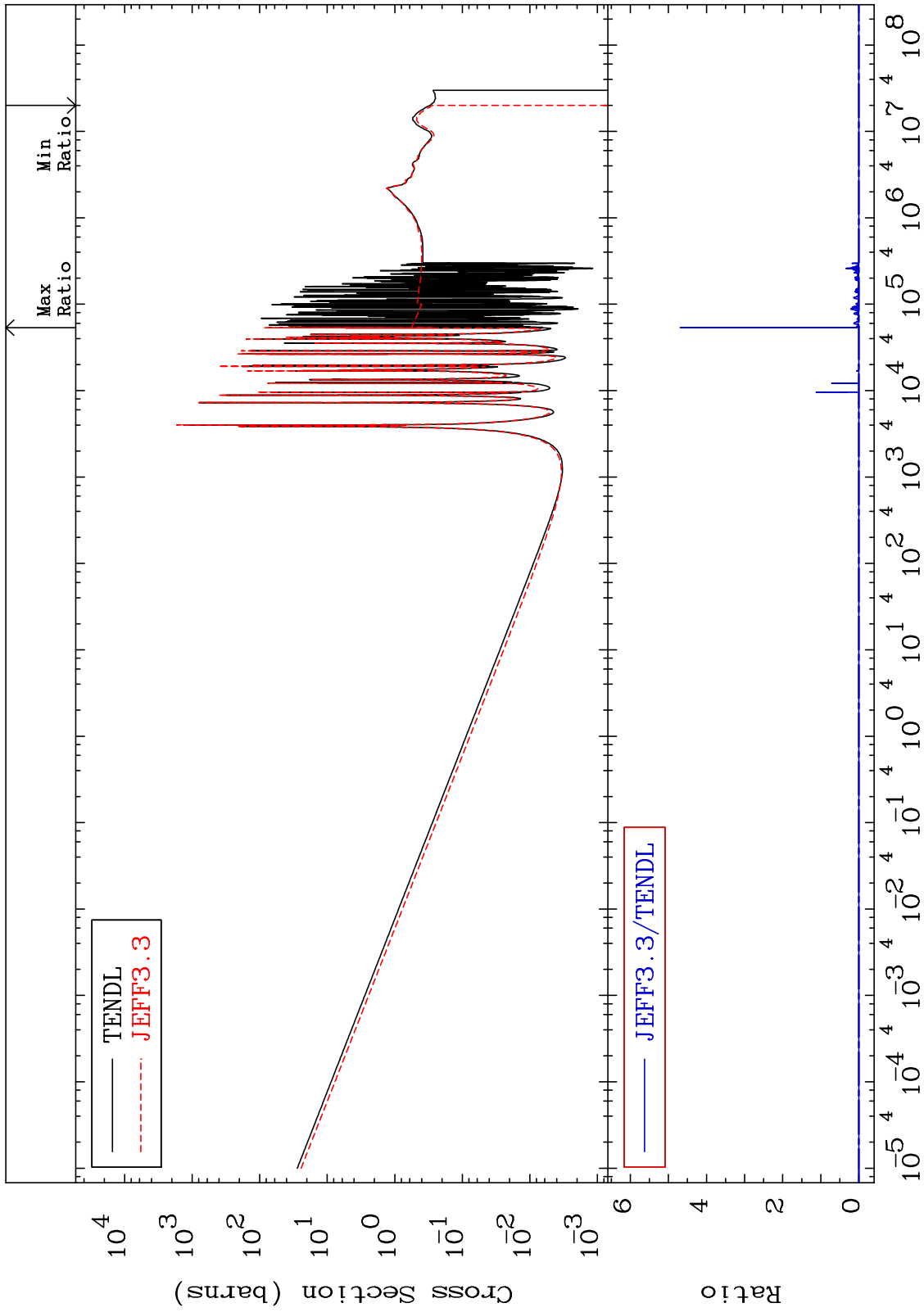
Incident Energy (eV)

40-Zr-90

MAT 4025

Kerma capture (mt102)
Cross Section

40-Zr-90
-100.0 To 9999. %

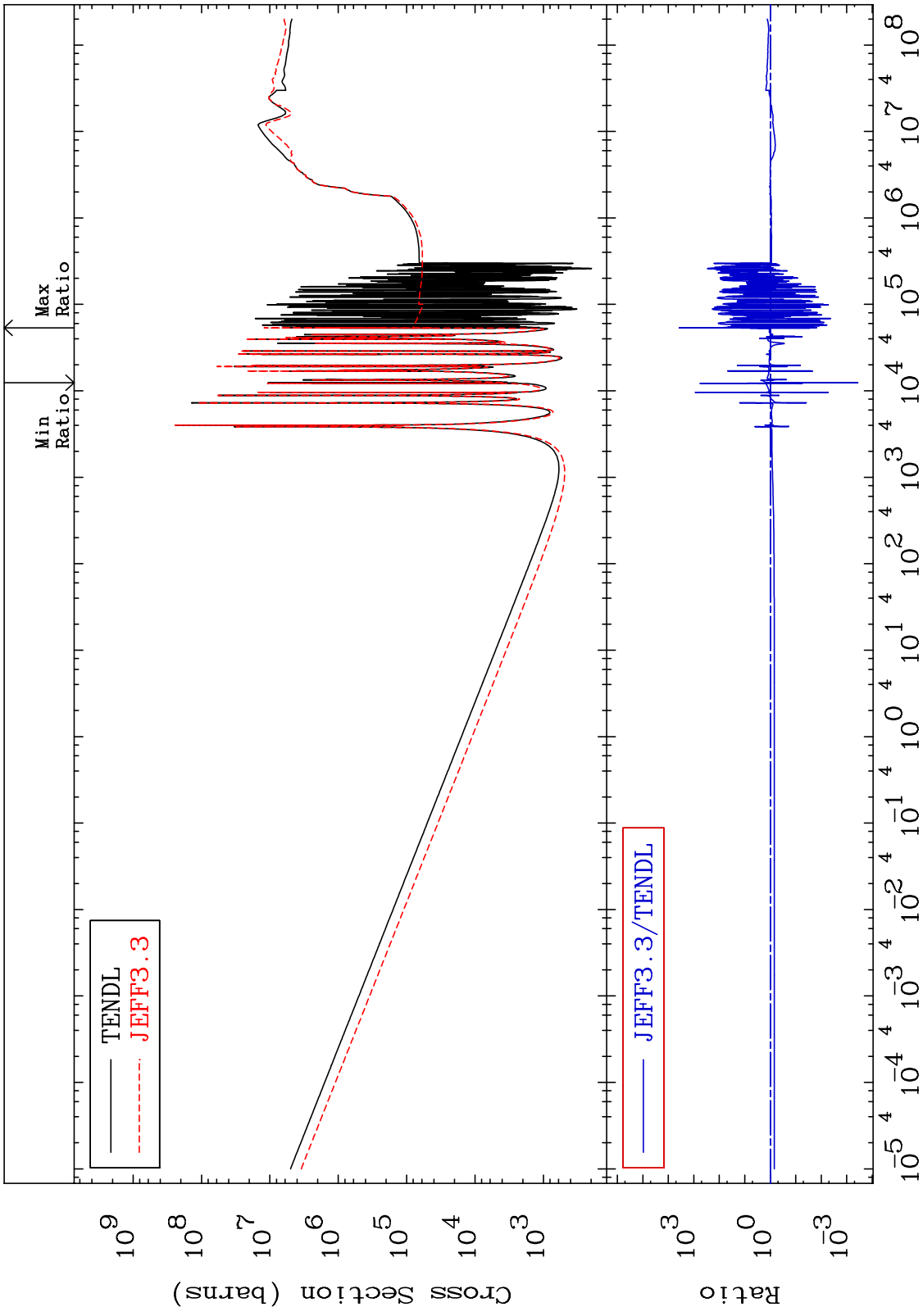


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Incident Energy (eV)

40-Zr-90

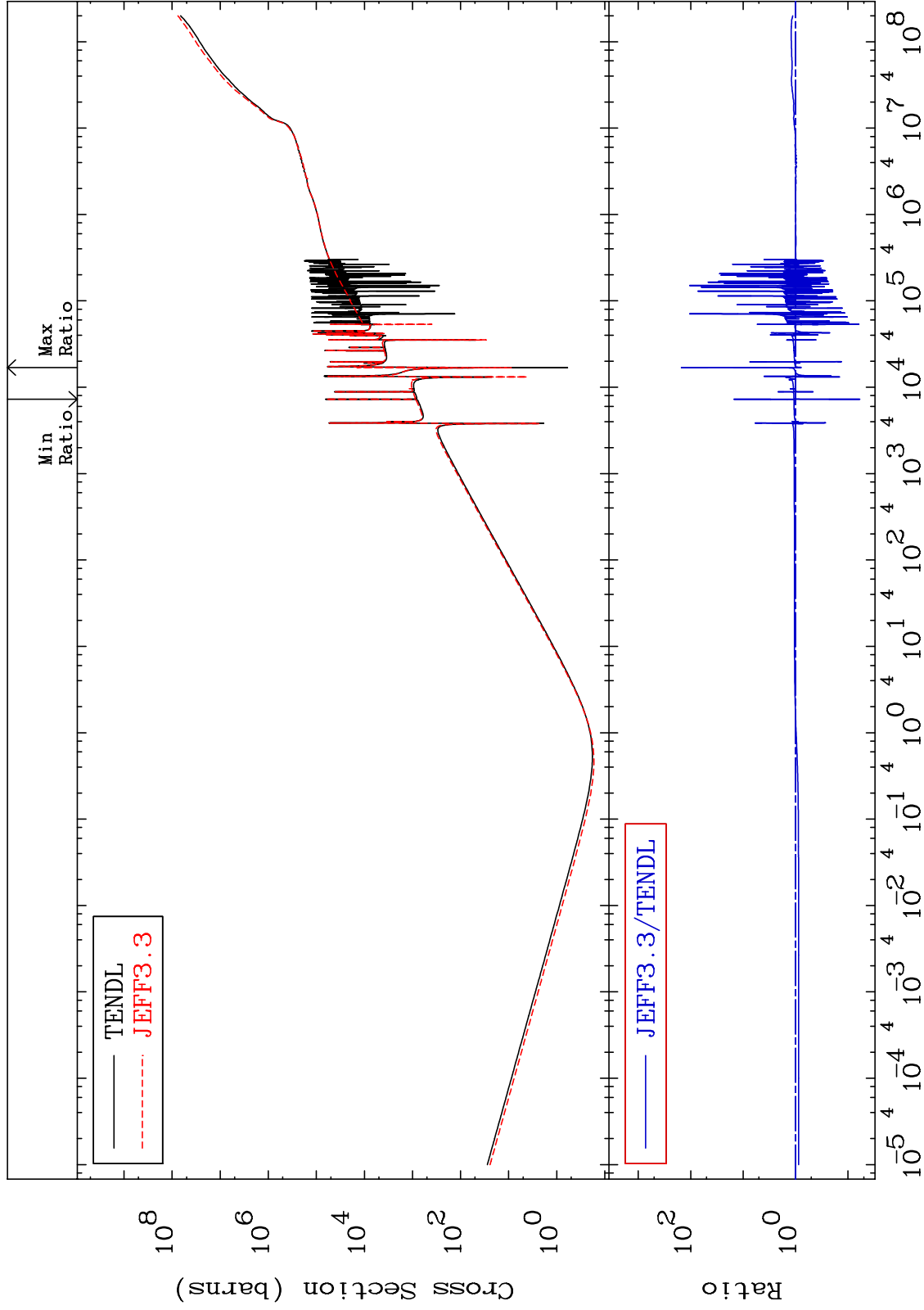
MAT 4025 Total photon (eV-barns) Cross Section 40-Zr-90 -99.96 To 9999. %



MAT 4025

Total kinematic kerma (high limit)
Cross Section

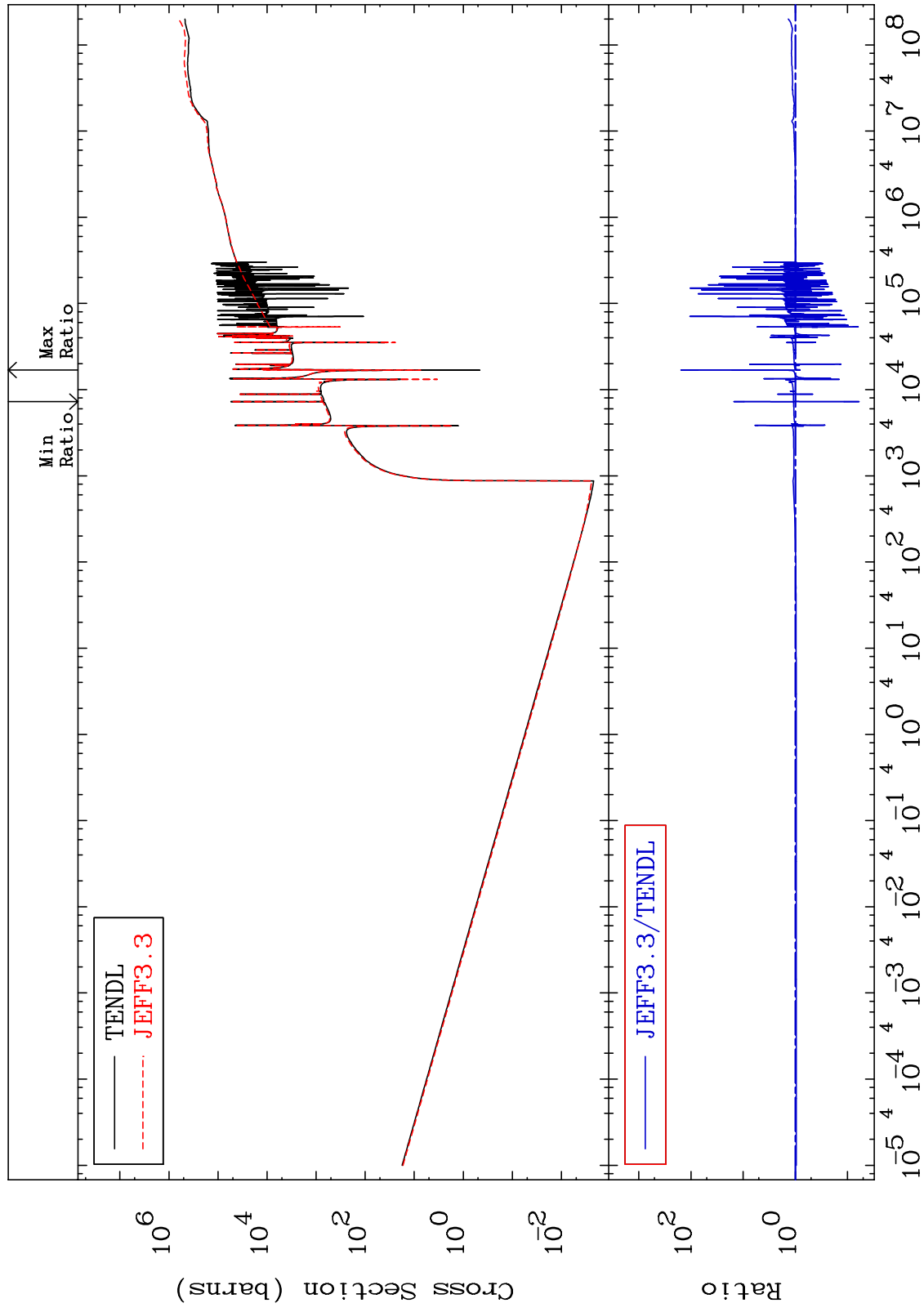
40-Zr-90
-94.03 To 9999. %



MAT 4025

Dpa total (eV-barns)
Cross Section

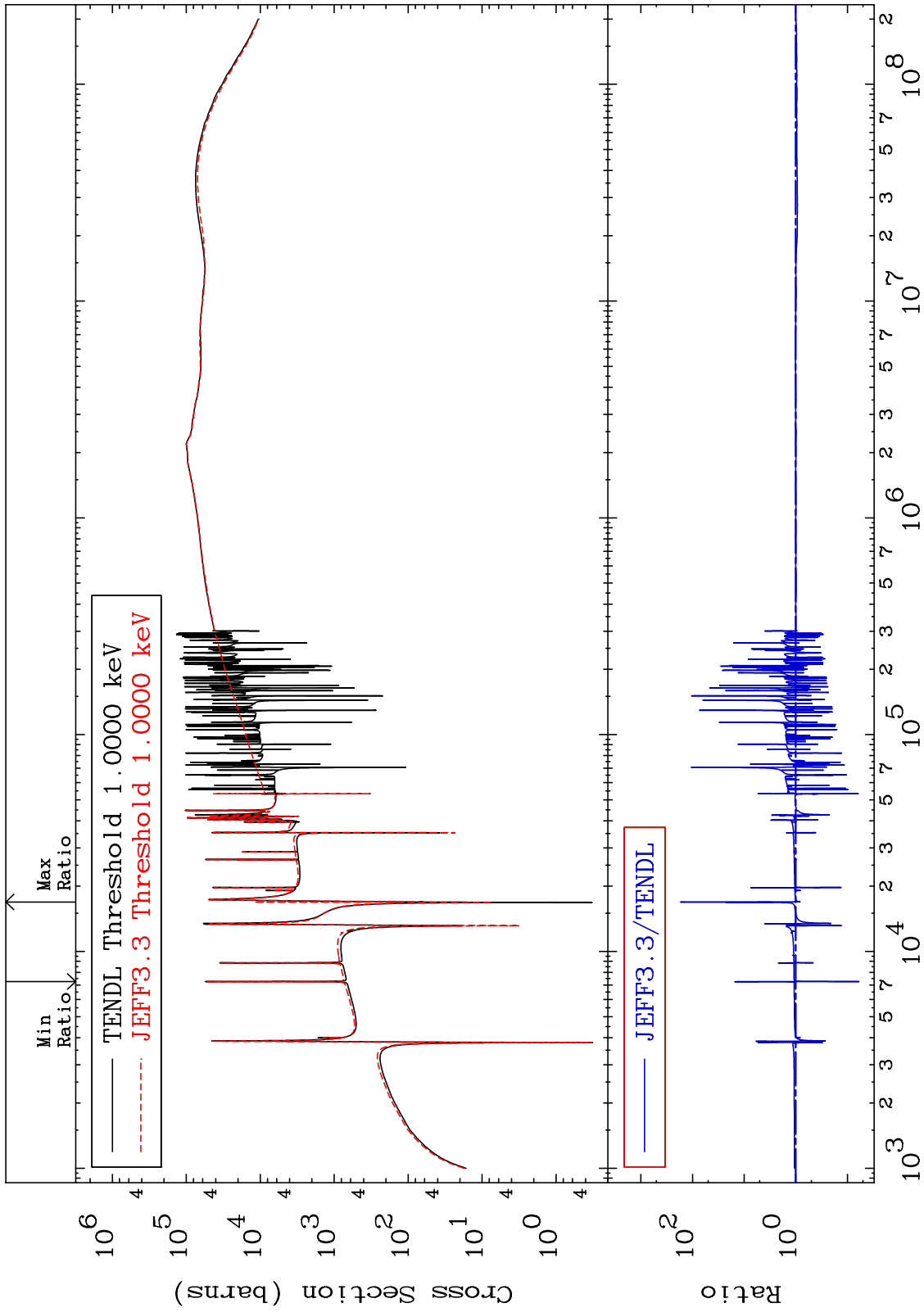
40-Zr-90
-94.01 To 9999. %



MAT 4025

Dpa elastic (mt2)
Cross Section

40-Zr-90
-94.00 To 9999. %

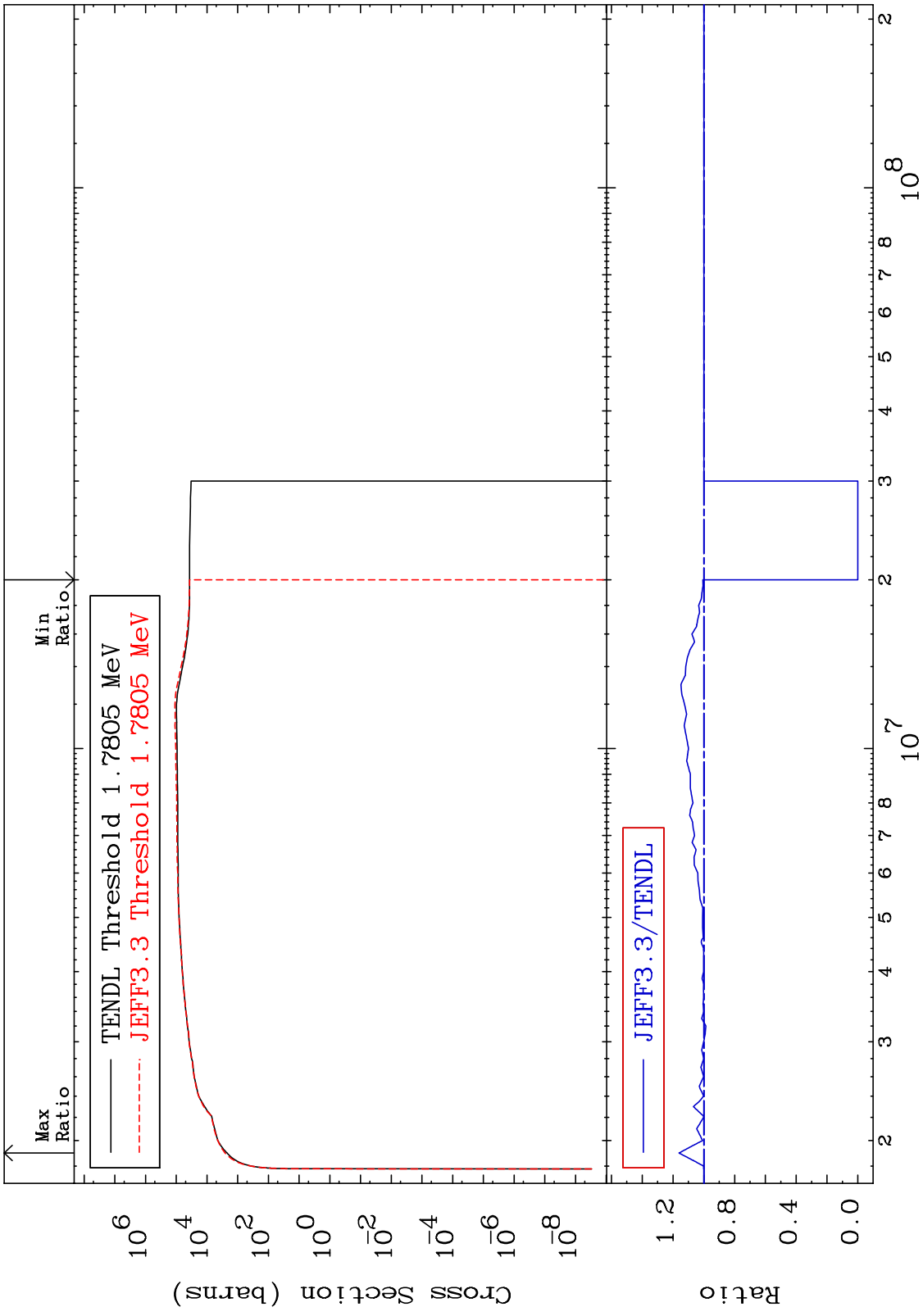


50

Incident Energy (eV)

40-Zr-90

MAT 4025 Dpa inelastic (mt51-91) 40-Zr-90
 Cross Section -100.0 To 16.08 %



MAT 4025

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-90
-100.0 To 9999. %

