

Program Complot
(Version 2018-1)

by

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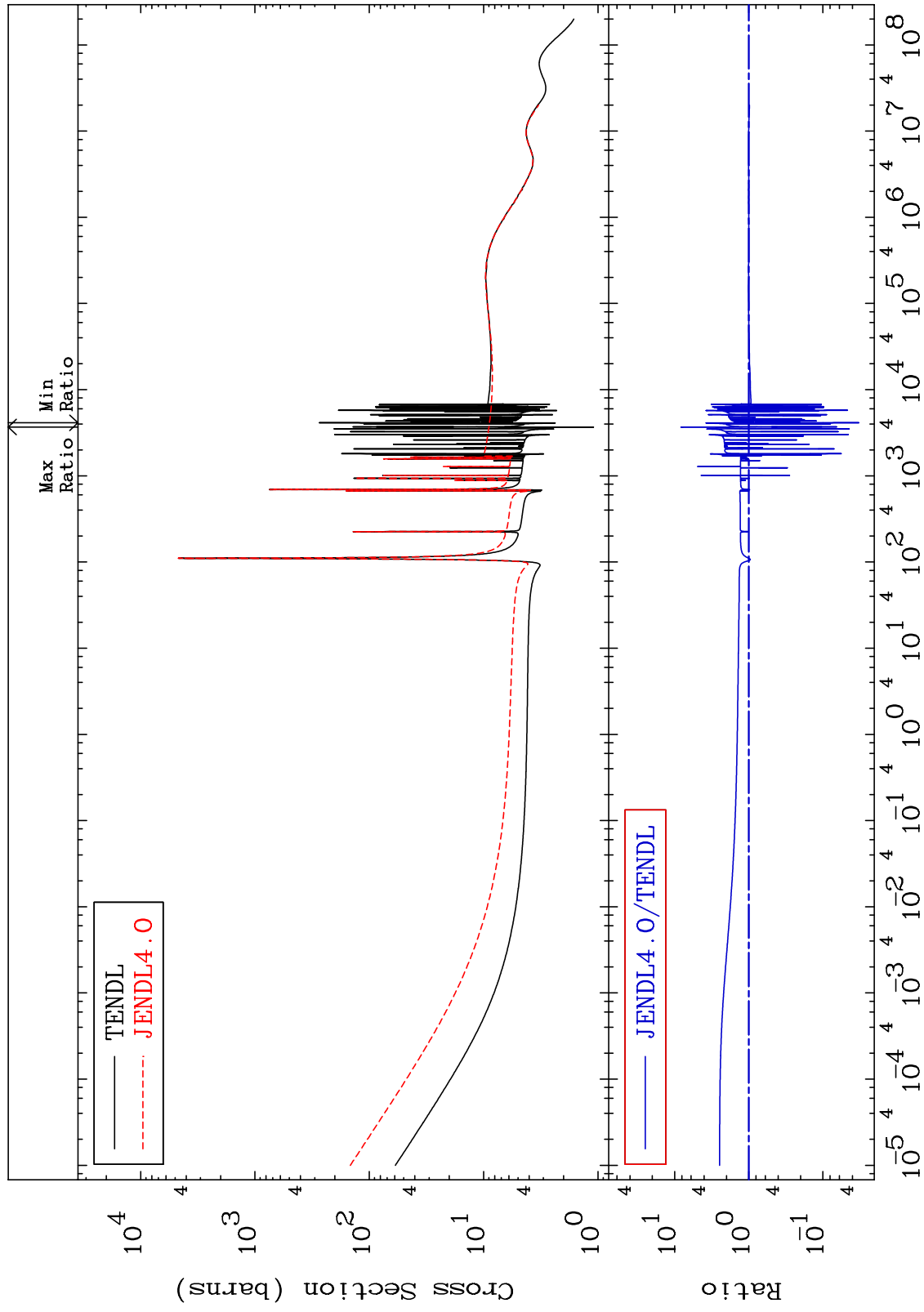
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 4034 40-Zr-93 -96.74 To 723.6 %

Total Cross Section

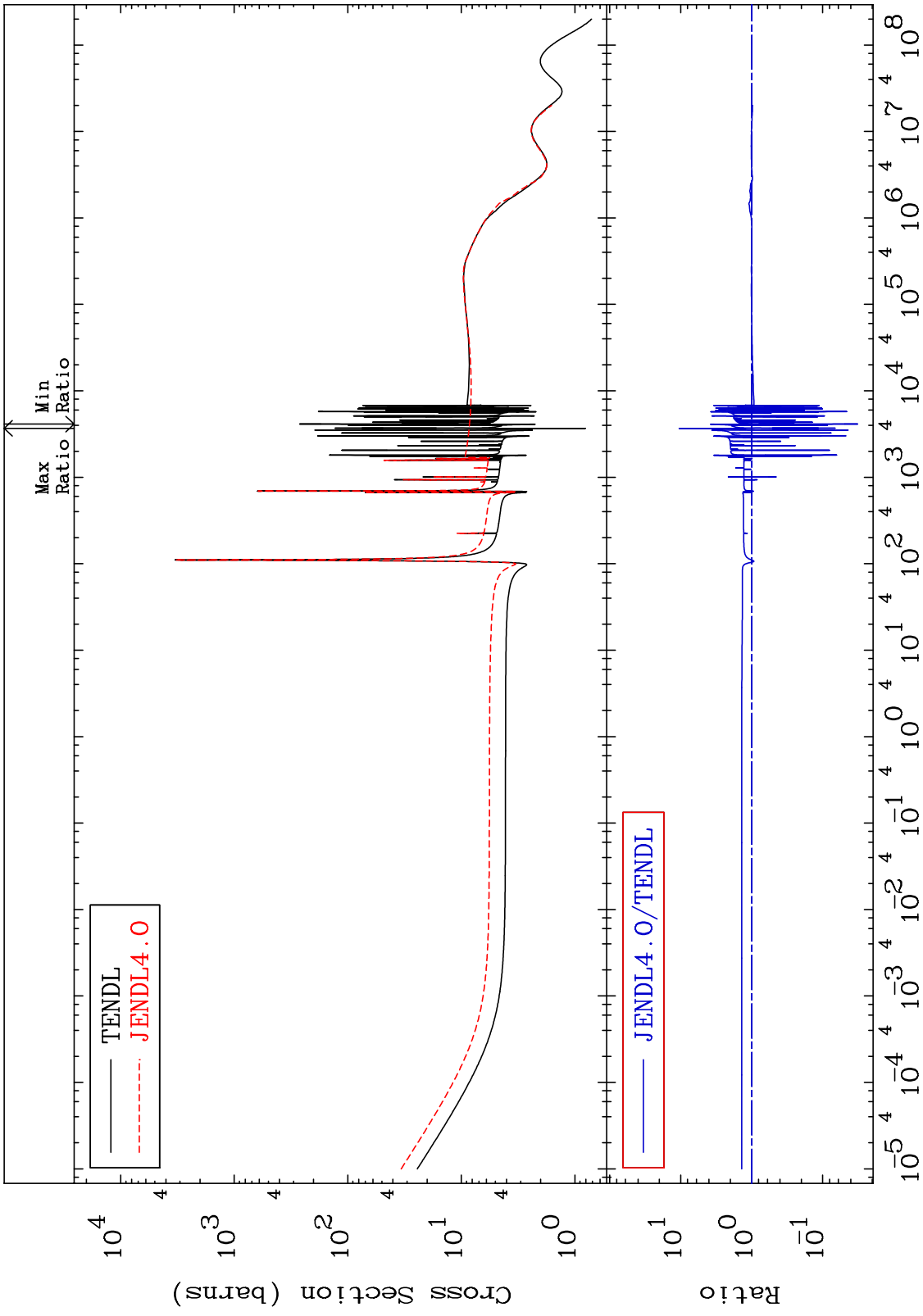


40-Zr-93

Incident Energy (eV)

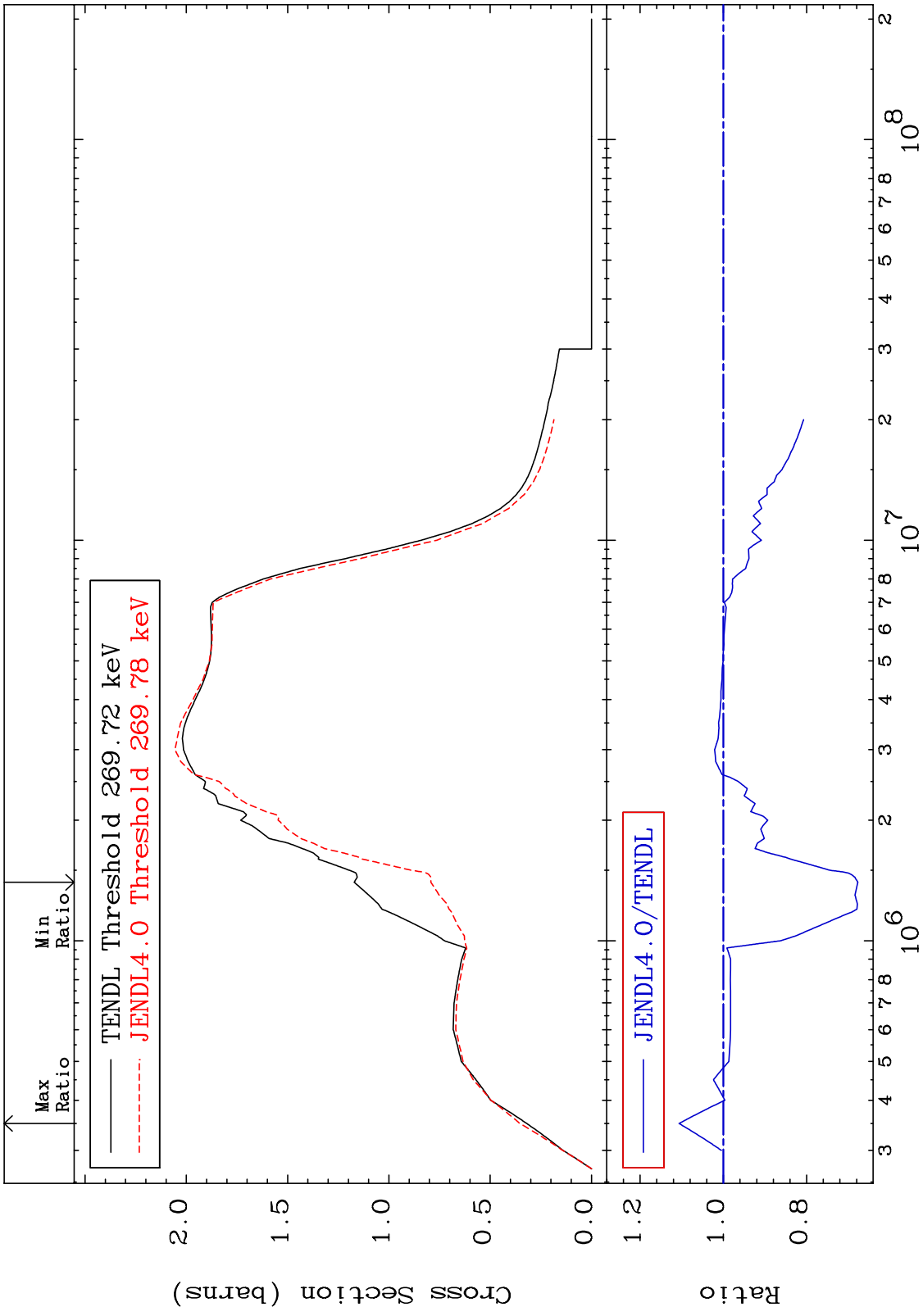
1

MAT 4034 Elastic Cross Section 40-Zr-93 -96.81 To 956.1 %

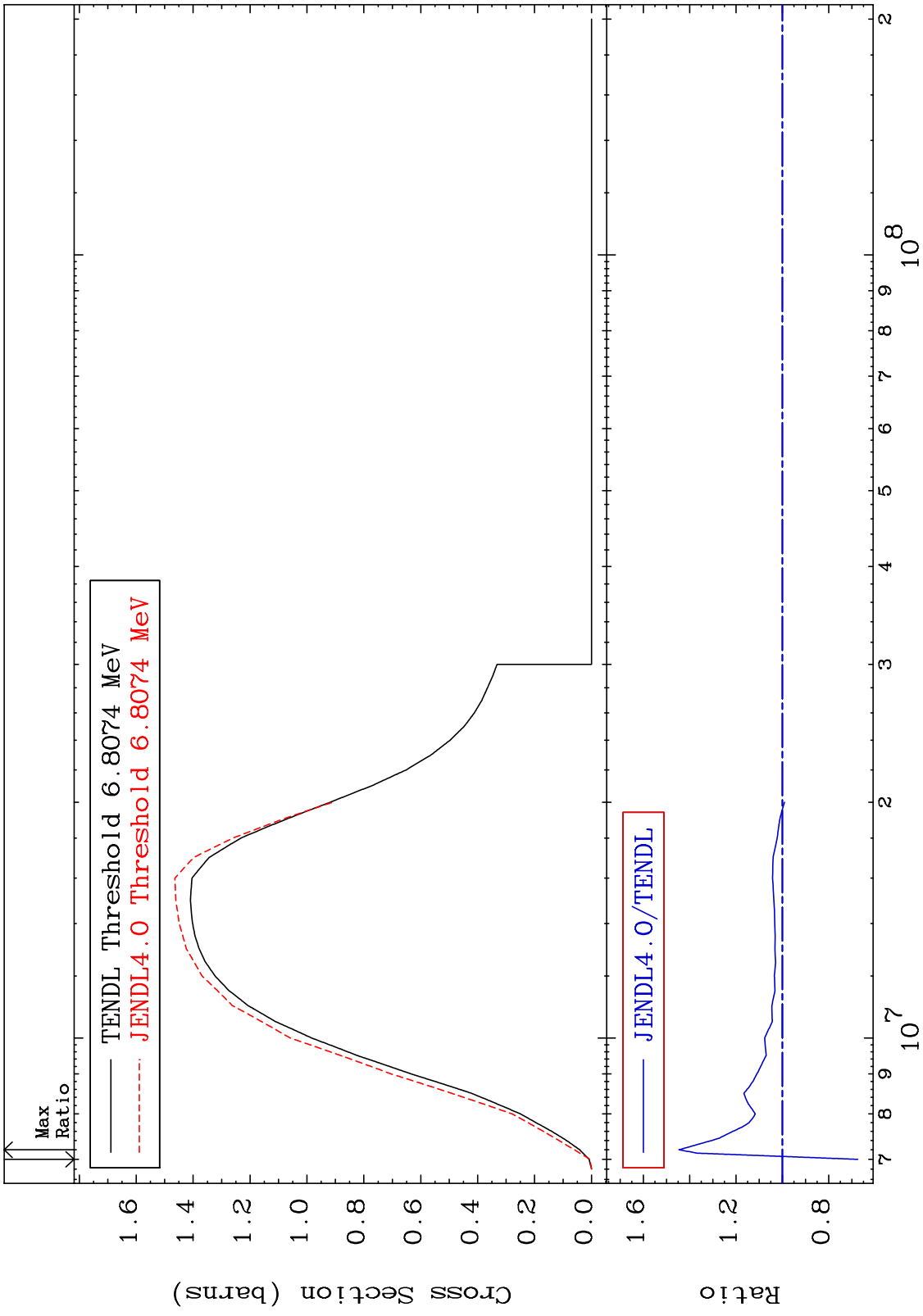


2 40-Zr-93 Incident Energy (eV)

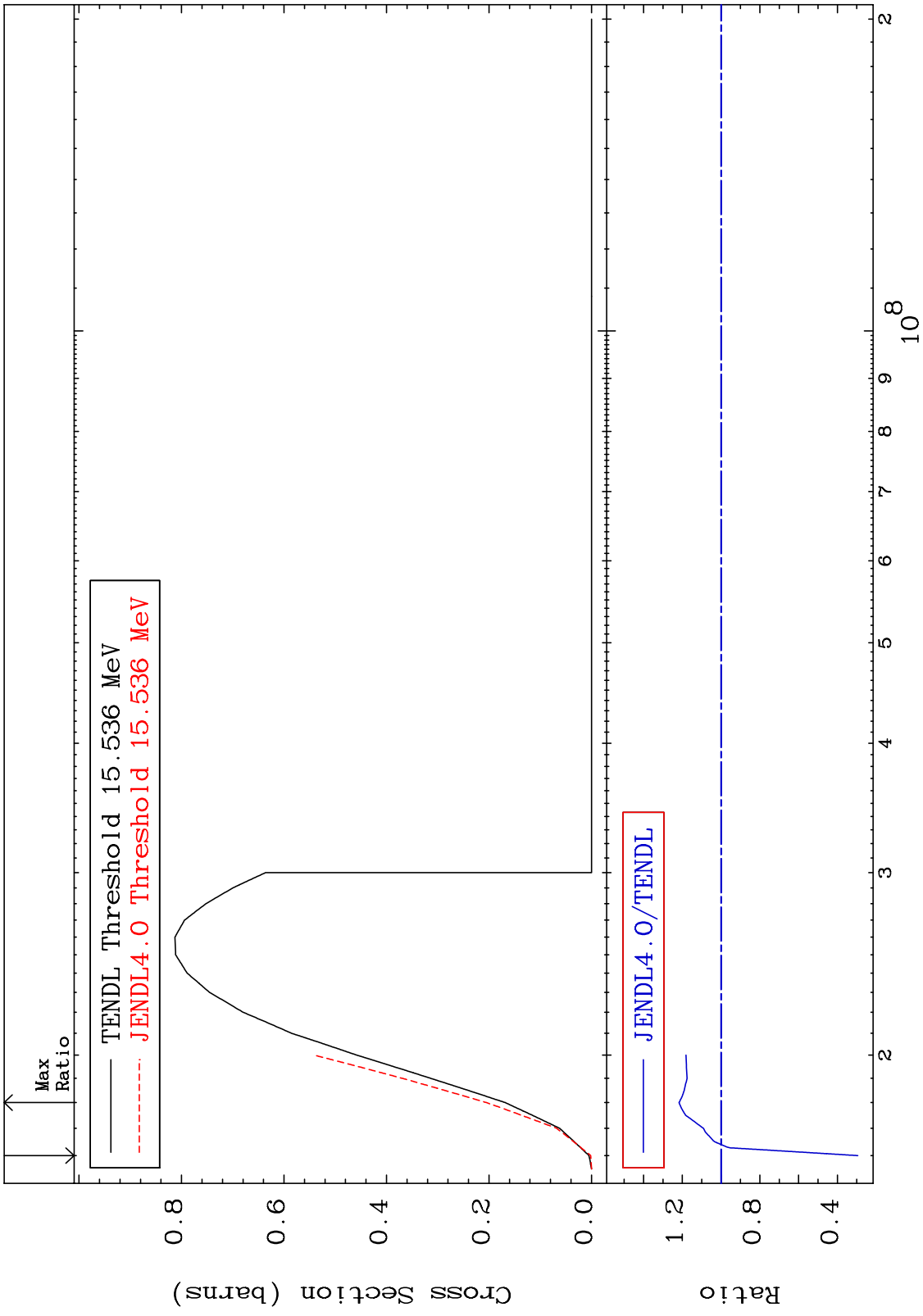
MAT 4034 Inelastic Cross Section 40-Zr-93 -32.29 To 10.65 %



MAT 4034 (n,2n) Cross Section 40-Zr-93 -32.54 To 44.59 %



MAT 4034 (n,3n) Cross Section 40-Zr-93 -70.56 To 21.68 %



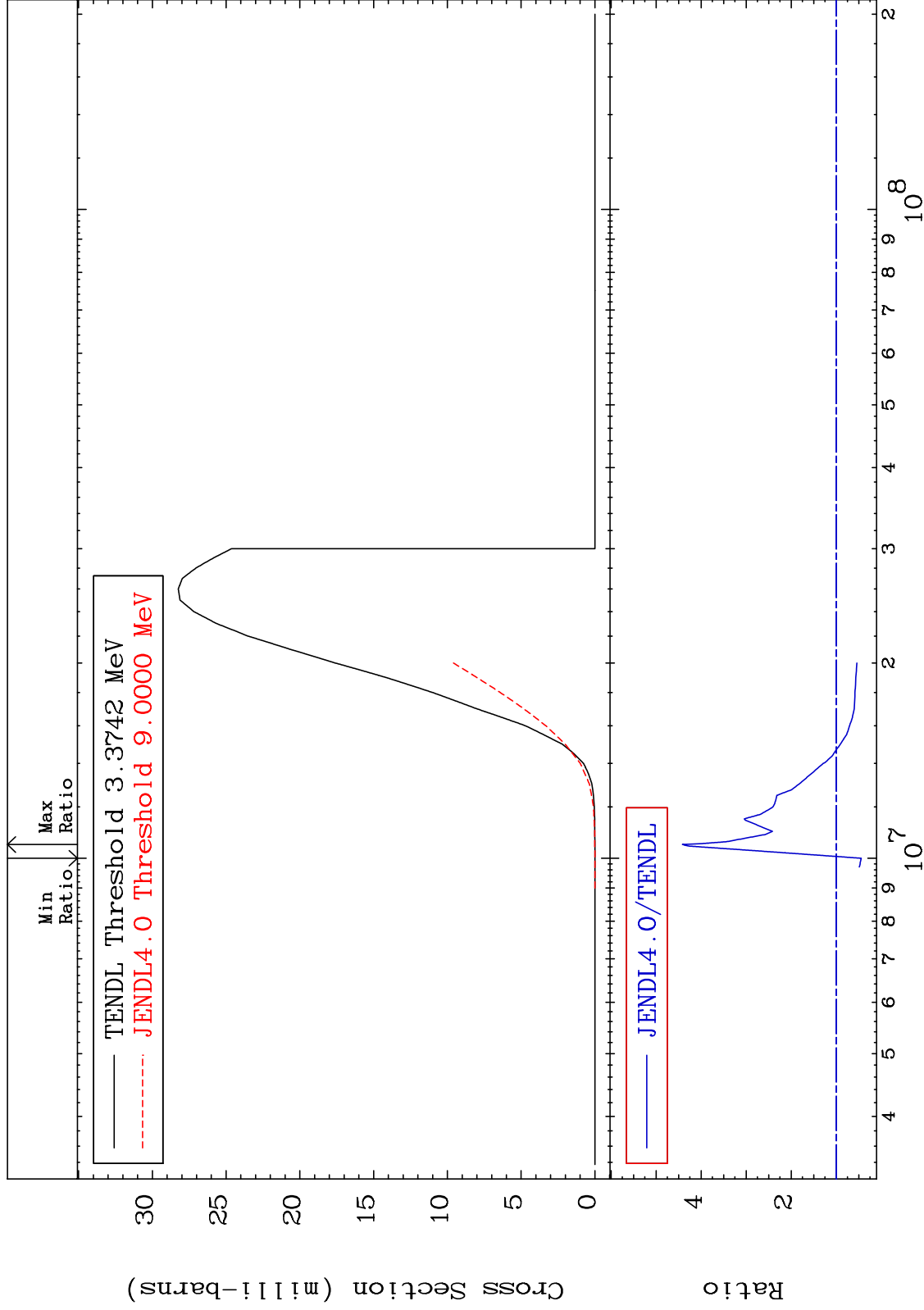
MAT 4034

(n, n') α

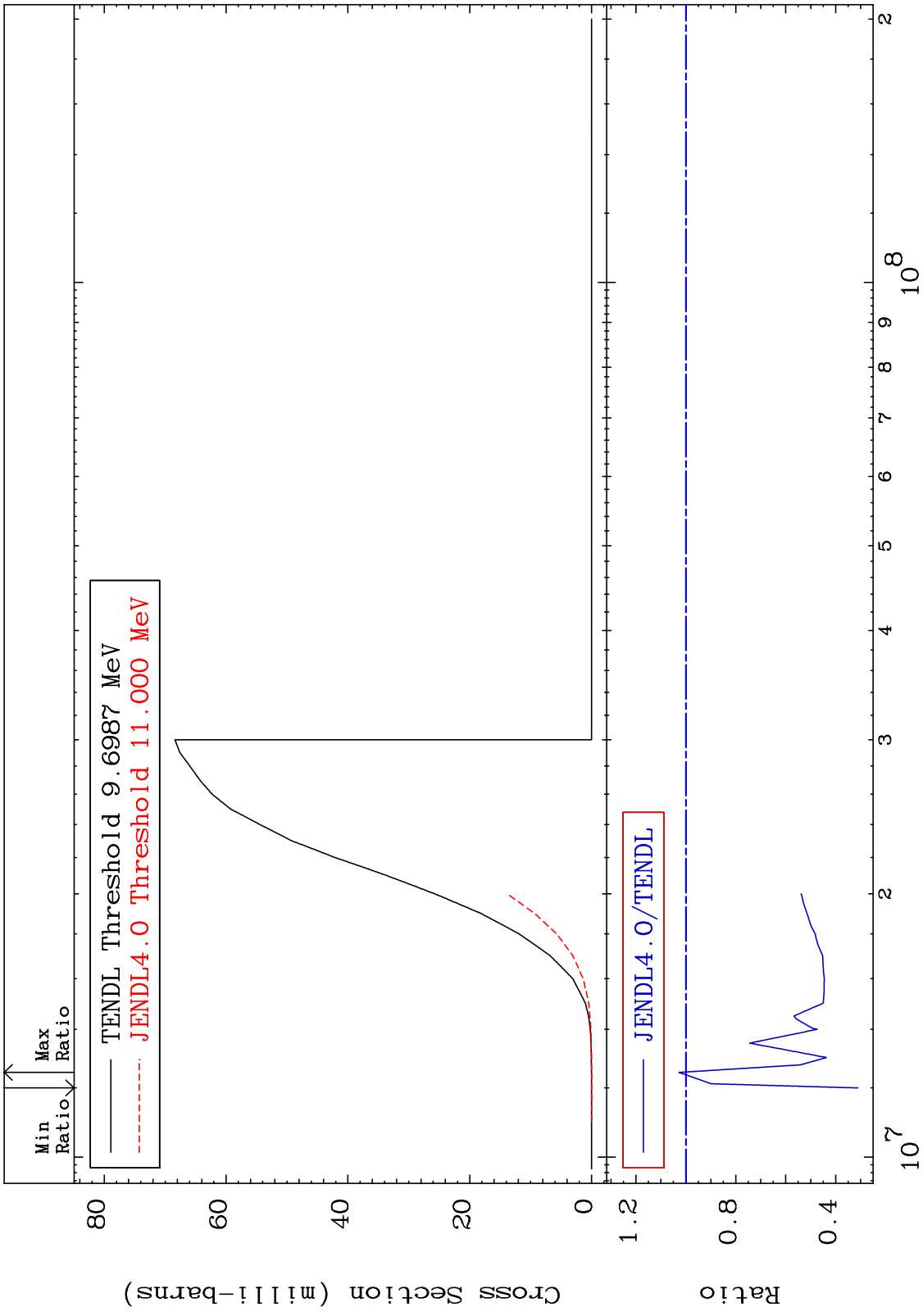
40-Zr-93

Cross Section

-55.57 To 341.5 %



MAT 4034 (n,n') p 40-Zr-93
 Cross Section -68.89 To 2.733 %



Incident Energy (eV) 40-Zr-93

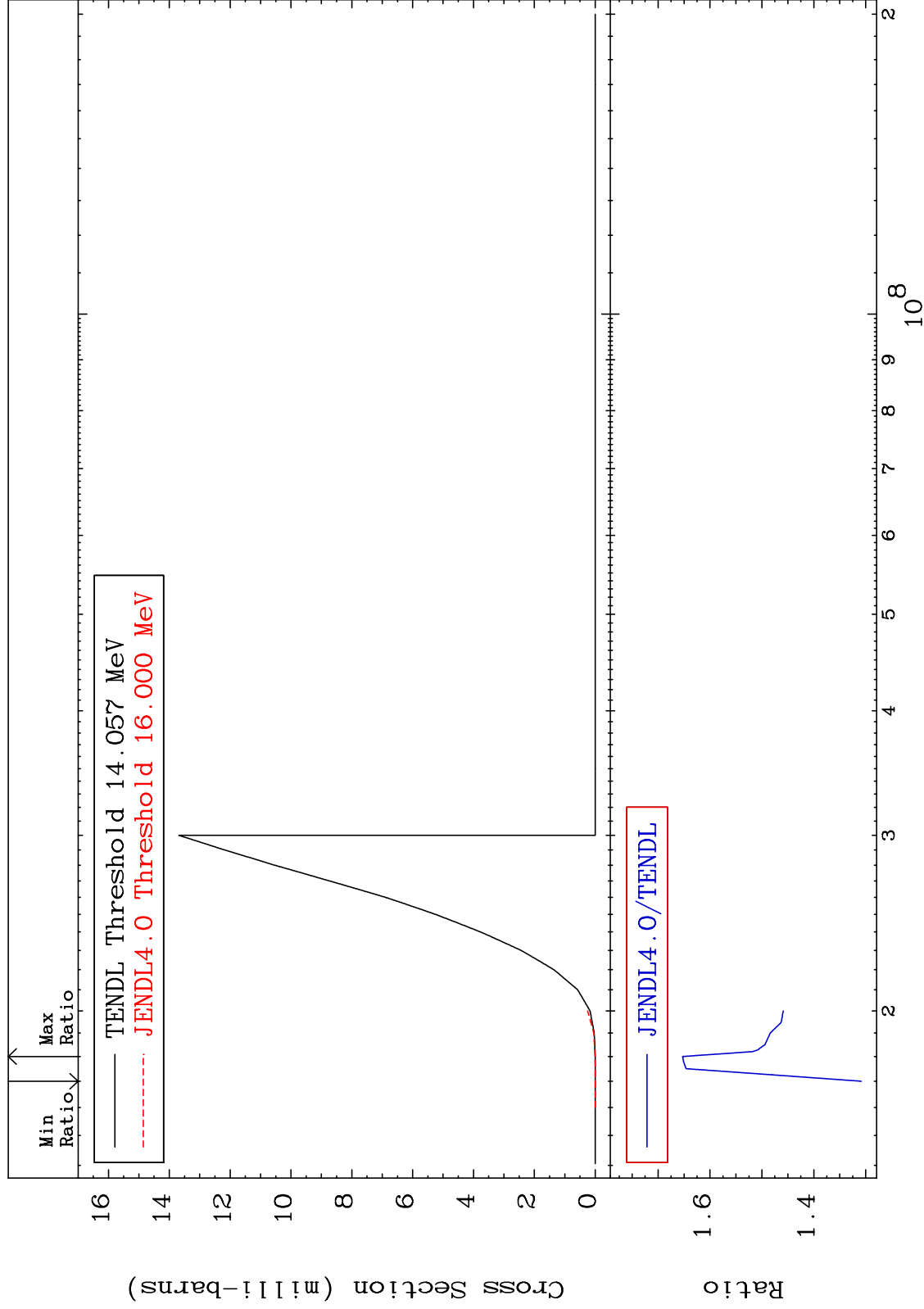
MAT 4034

(n, n') d

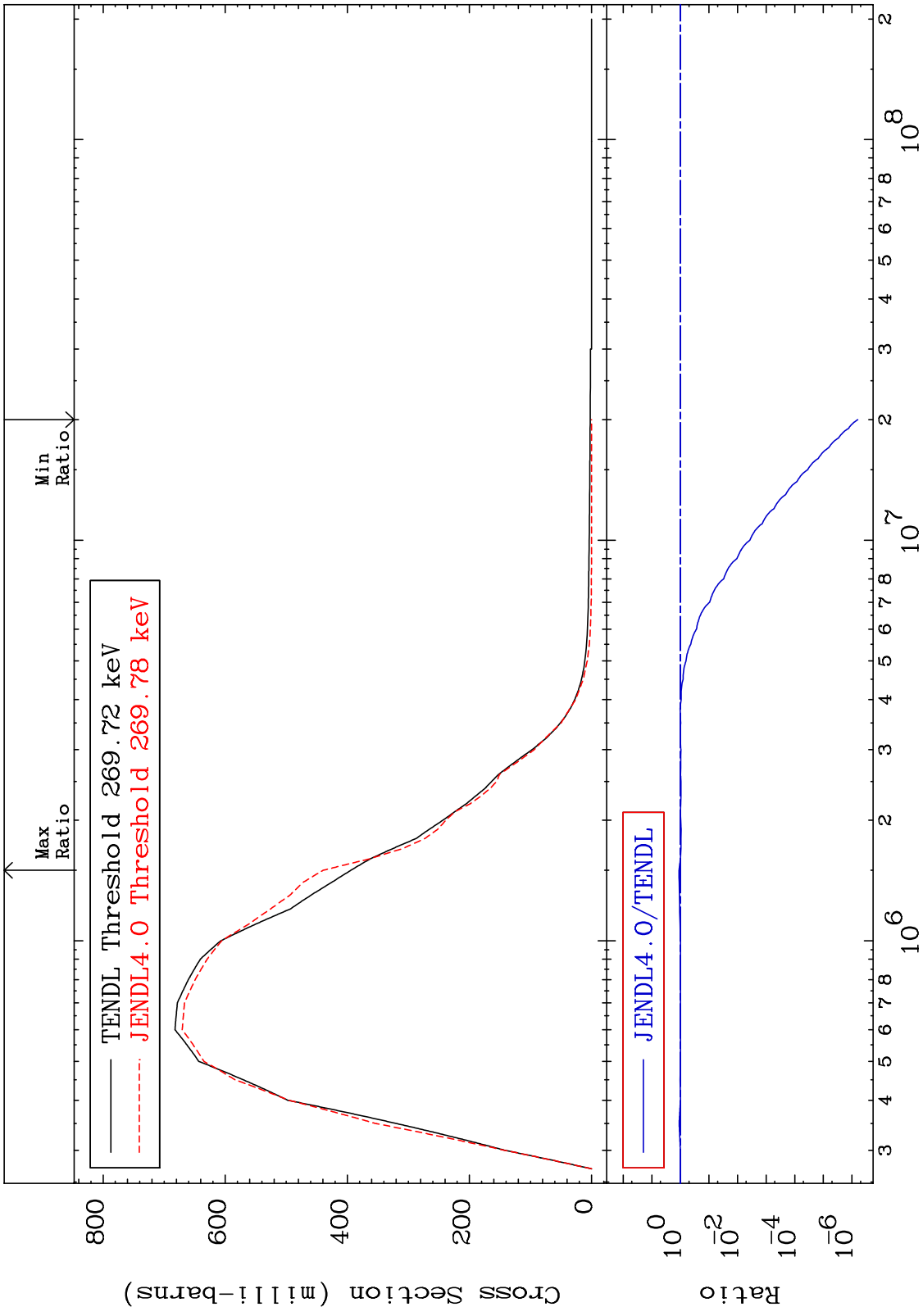
40-Zr-93

Cross Section

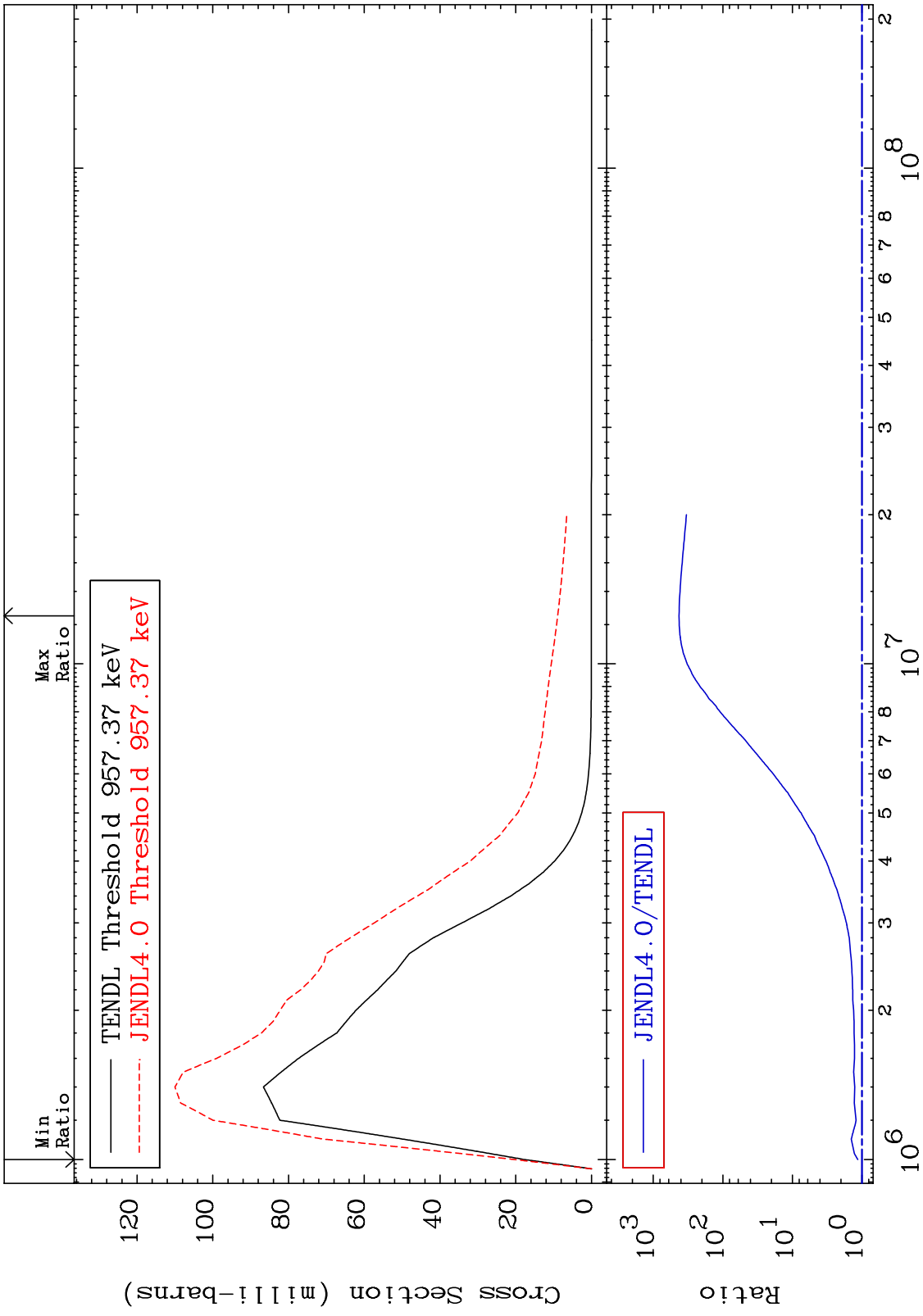
30.84 To 65.27 %



MAT 4034 MT= 51 (n,n') Level Cross Section 40-Zr-93
 -100.0 To 11.49 %

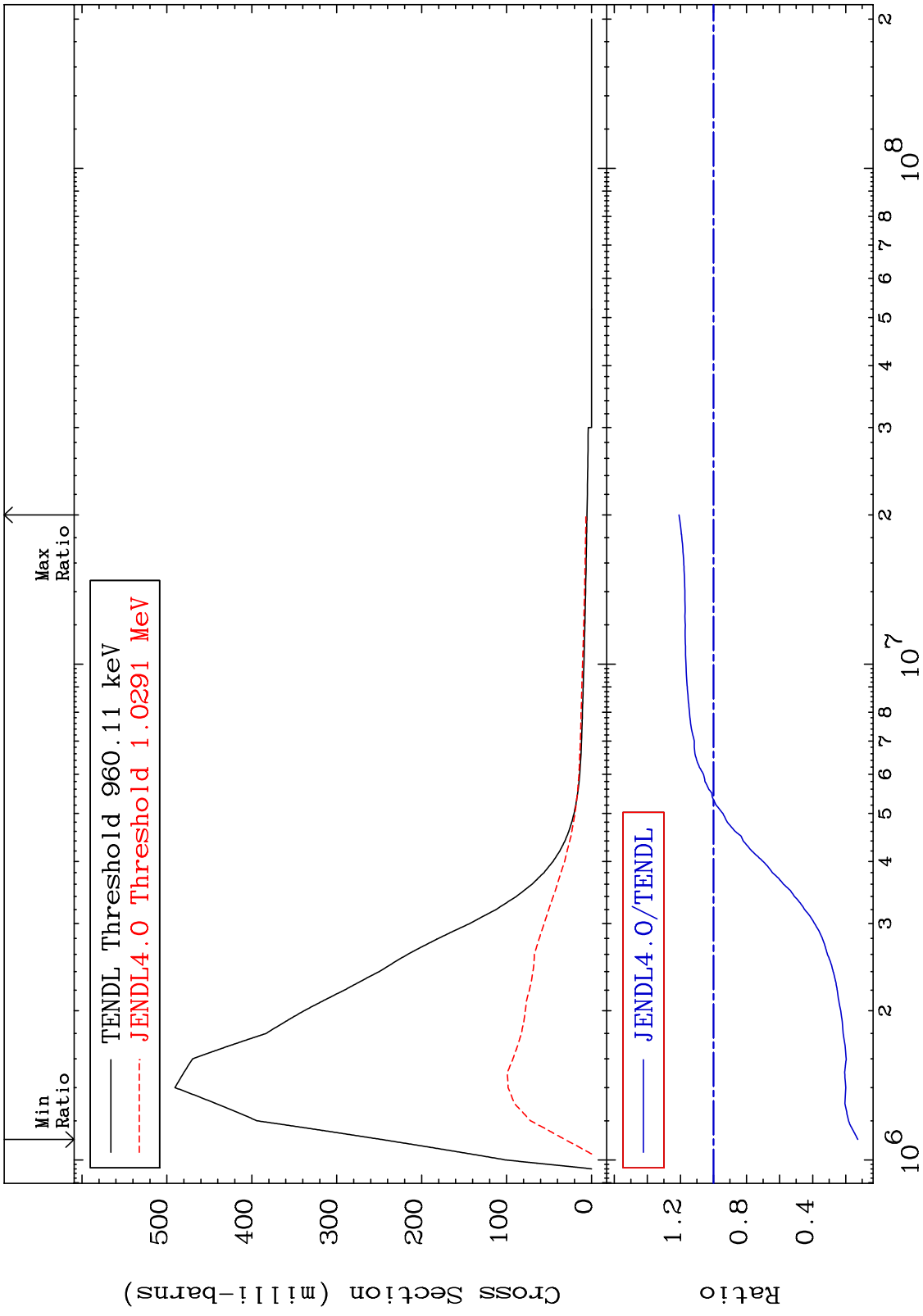


MAT 4034 MT= 52 (n,n') Level Cross Section 40-Zr-93
14.61 To 9999. %



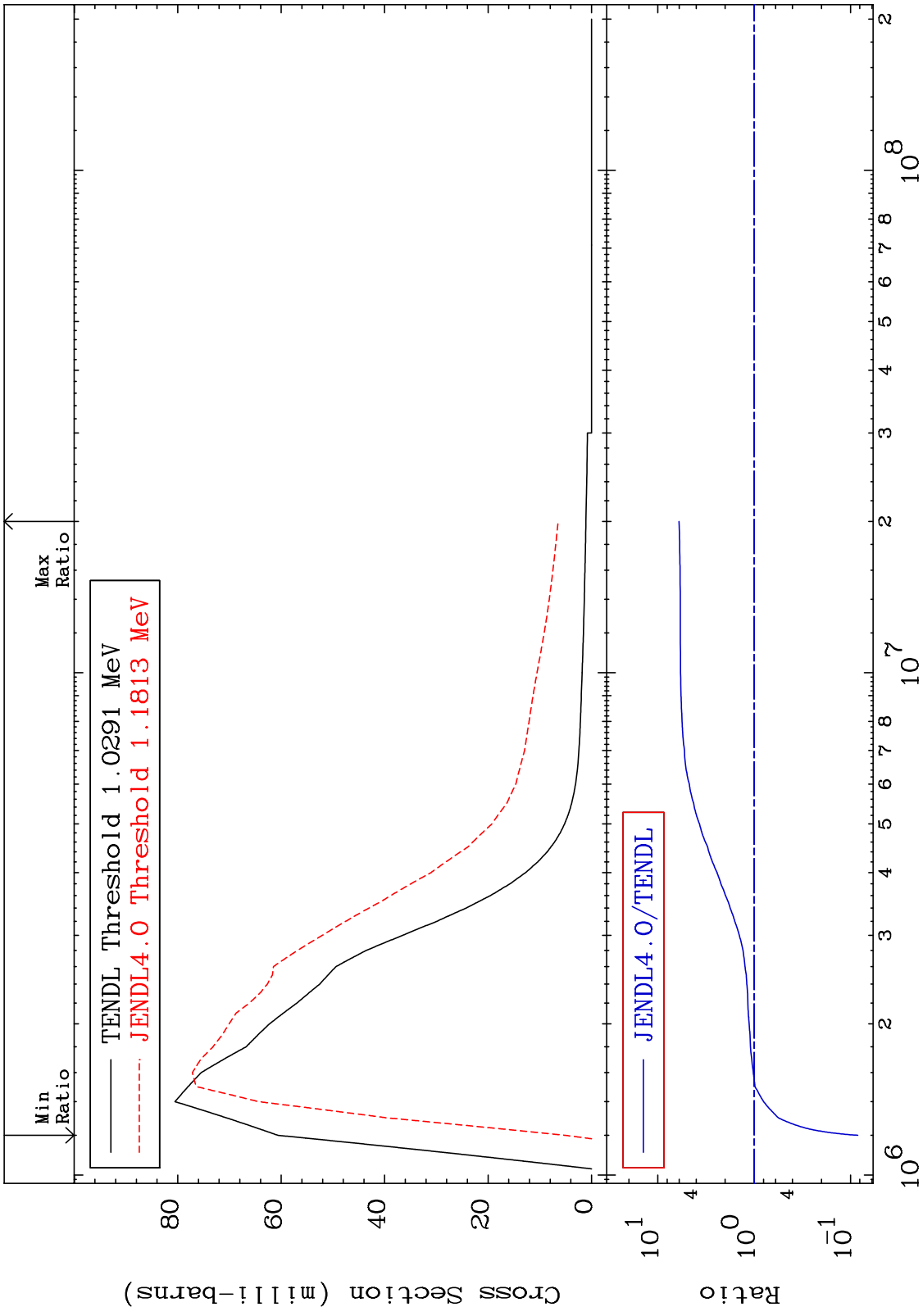
40-Zr-93

MAT 4034 MT= 53 (n,n') Level Cross Section -87.33 To 20.83 % 40-Zr-93



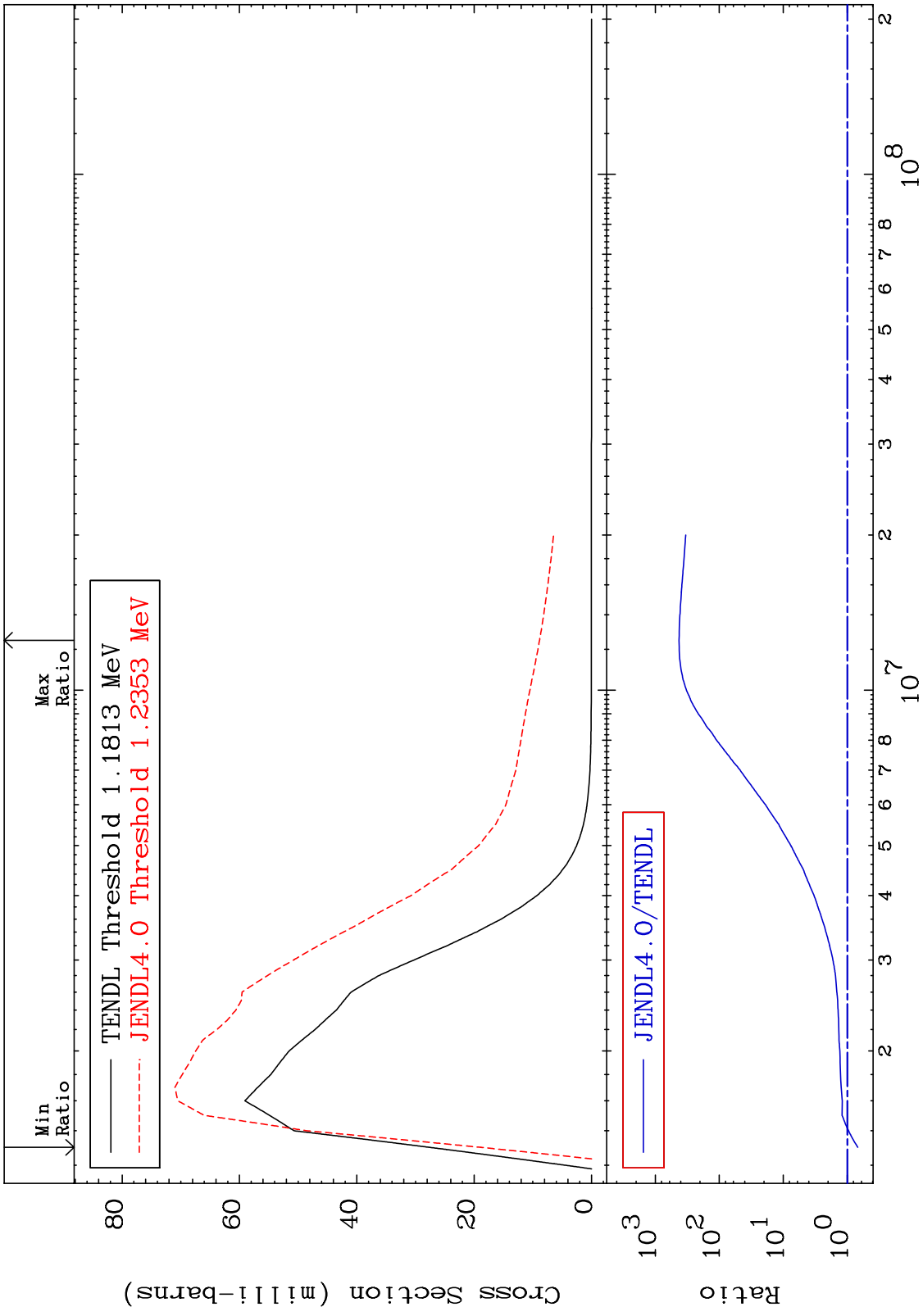
11 Incident Energy (eV) 40-Zr-93

MAT 4034 MT= 54 (n,n') Level Cross Section 40-Zr-93
 -91.60 To 502.7 %

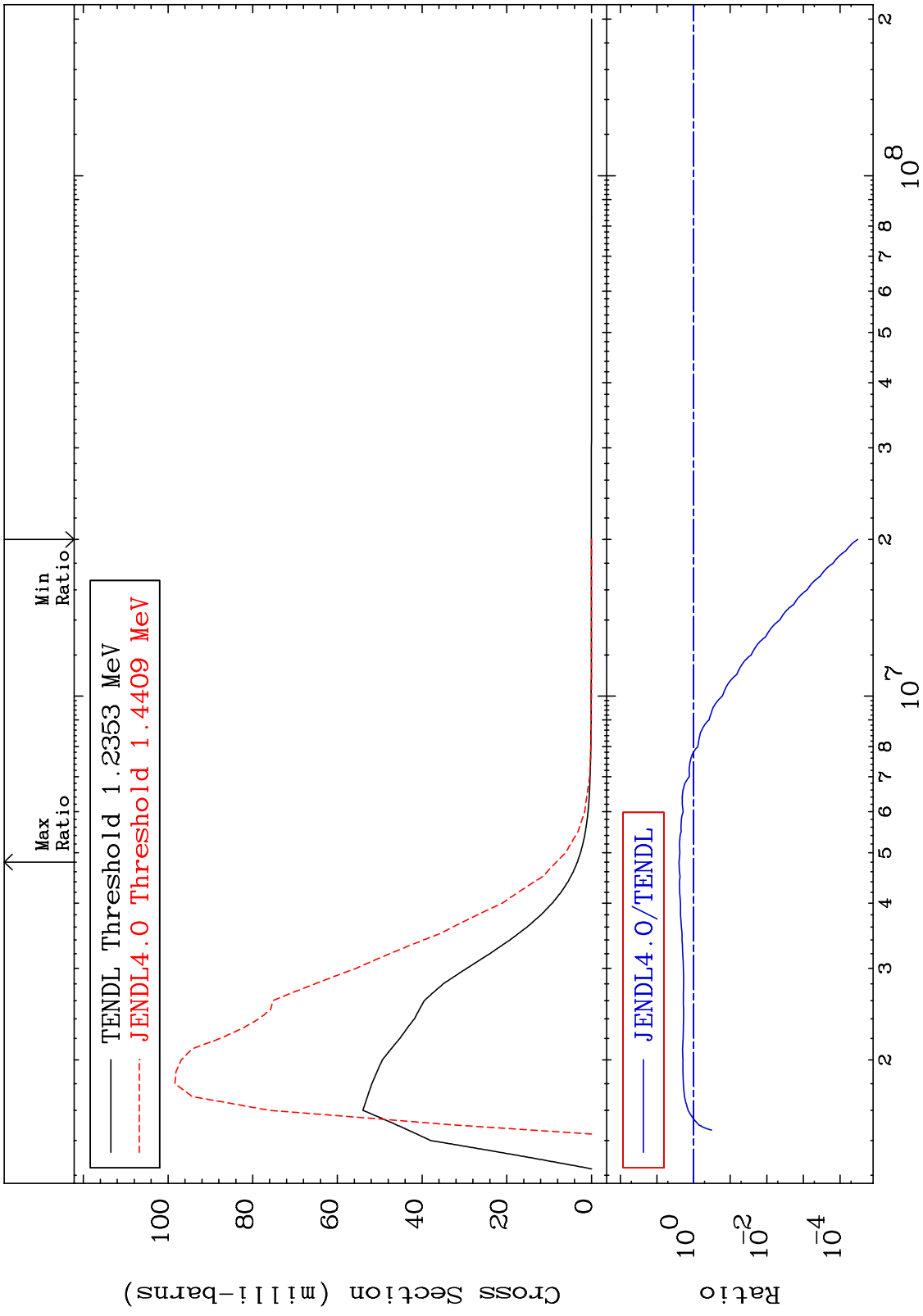


12 Incident Energy (eV) 40-Zr-93

MAT 4034 MT= 55 (n,n') Level Cross Section 40-Zr-93
 -31.66 To 9999. %



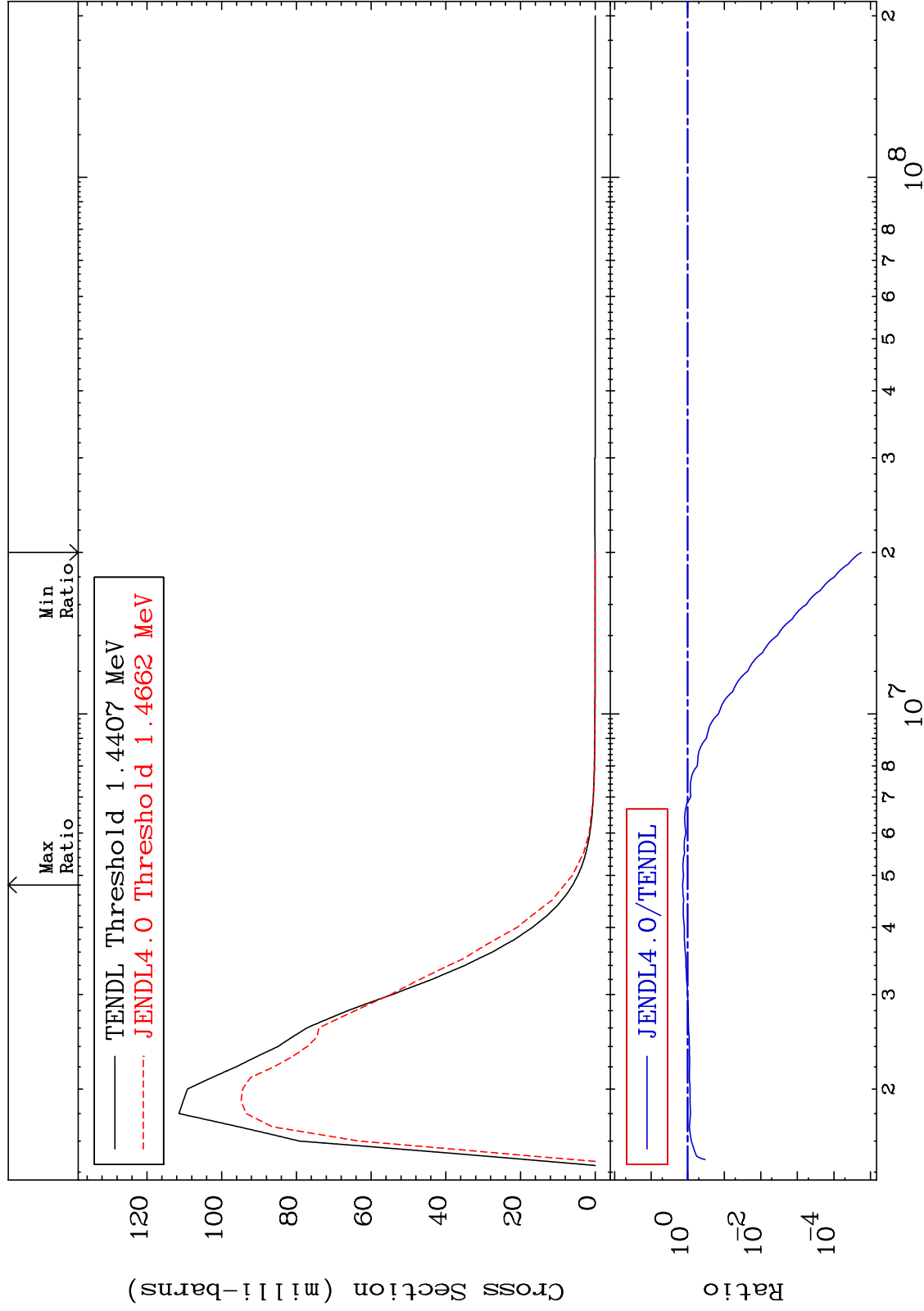
MAT 4034 MT= 56 (n,n') Level Cross Section -100.0 To 148.6 % 40-Zr-93



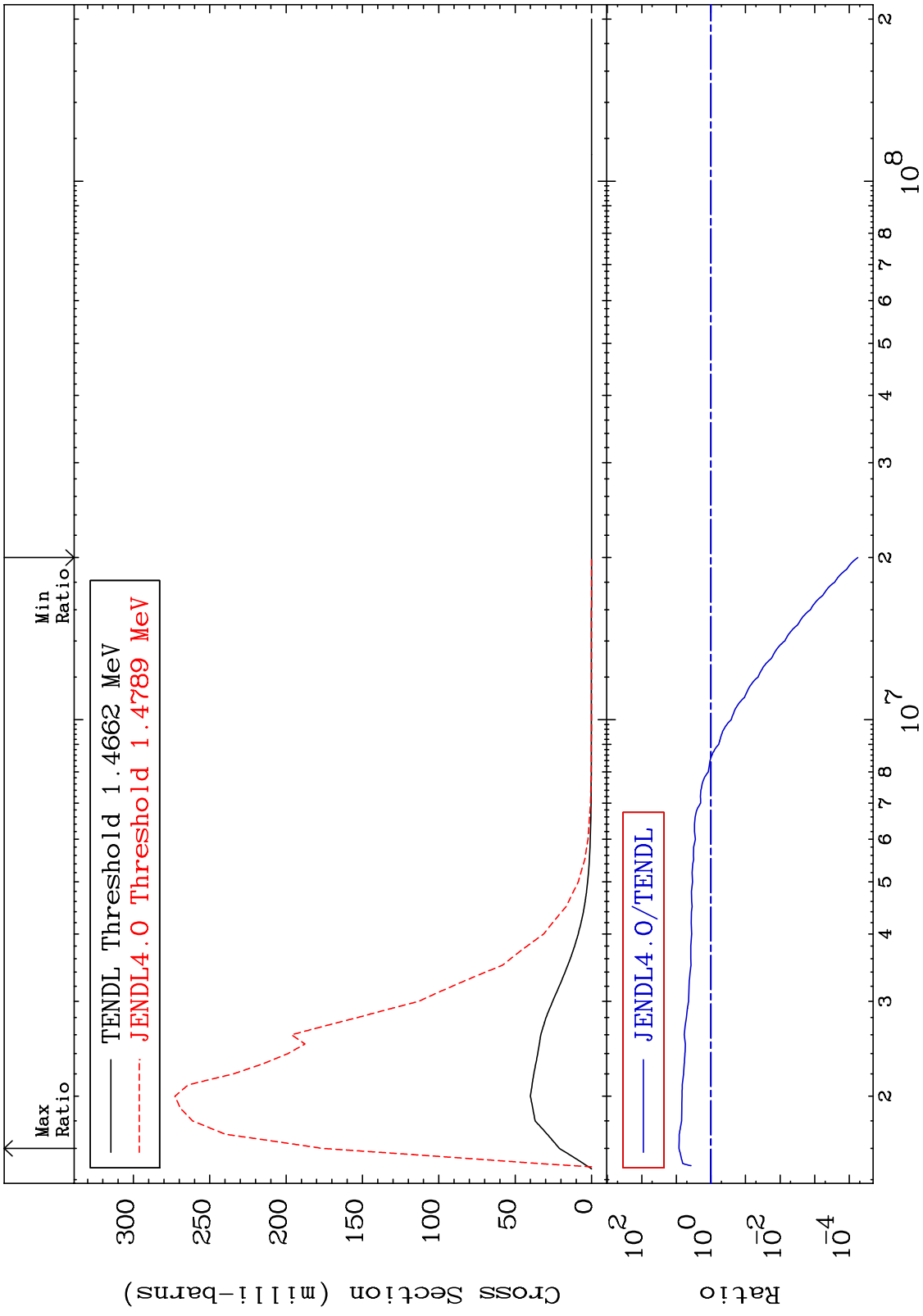
MAT 4034

MT= 57 (n,n') Level
Cross Section

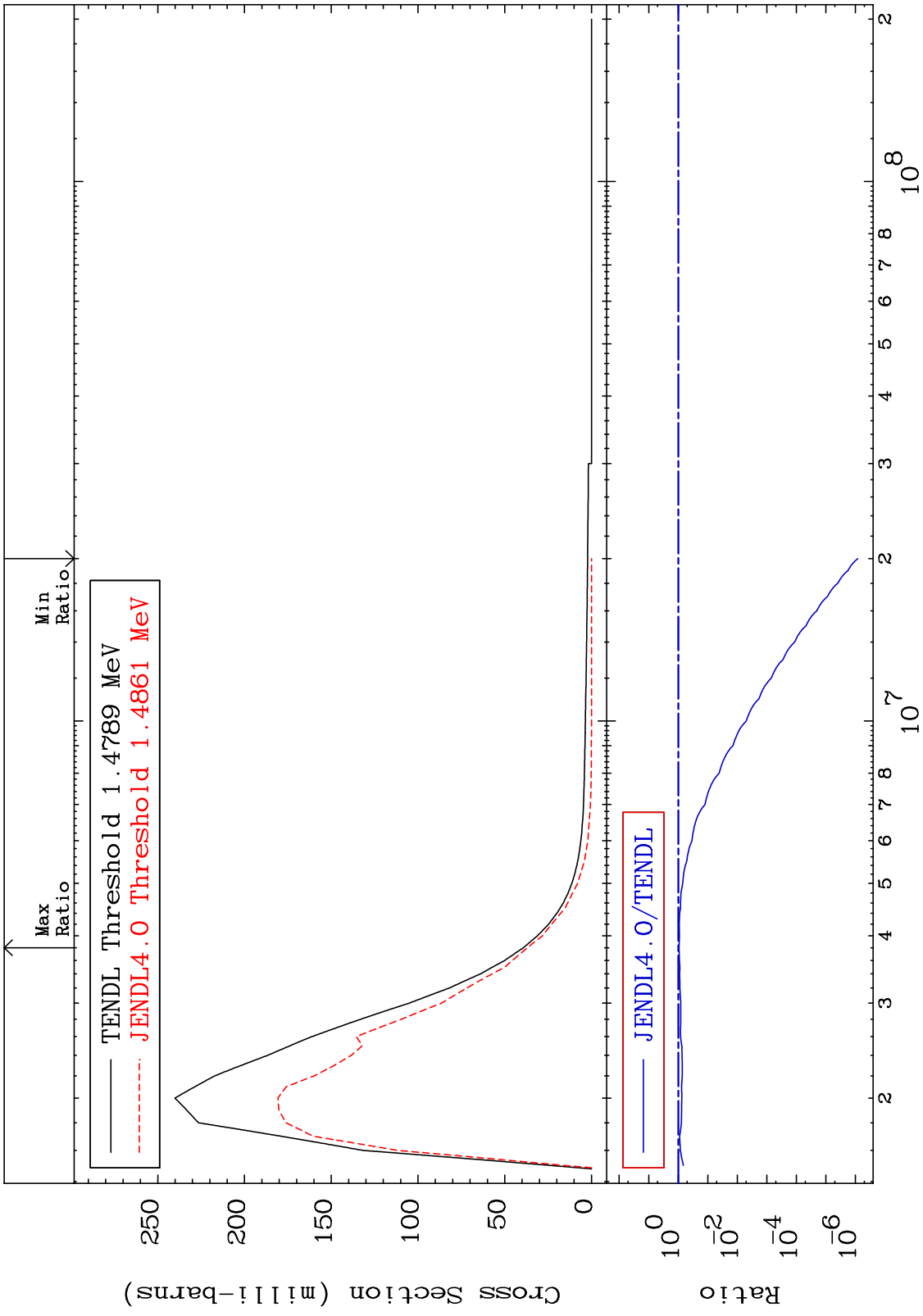
40-Zr-93
-100.0 To 37.51 %



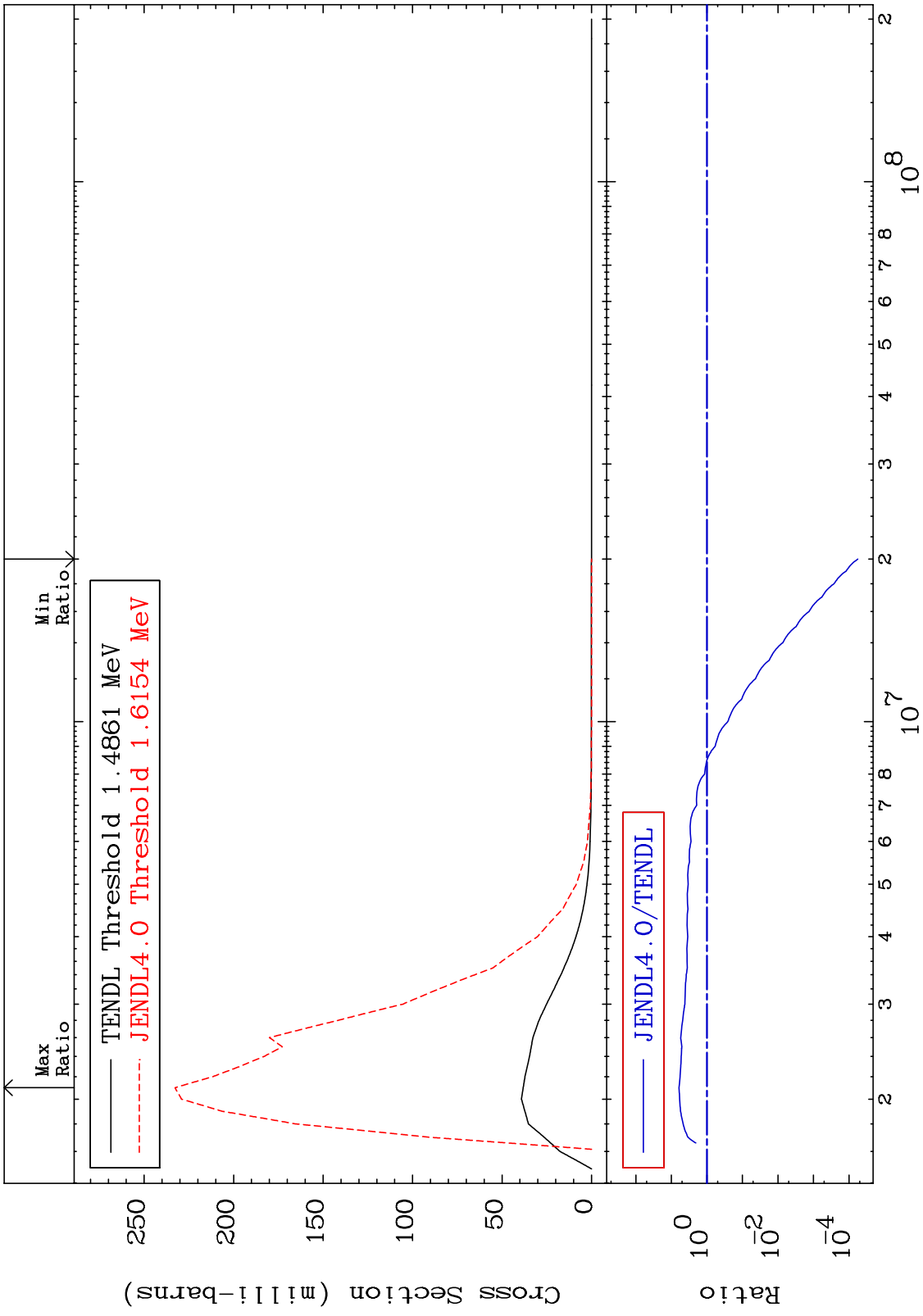
MAT 4034 MT= 58 (n,n') Level Cross Section 40-Zr-93
 -99.99 To 735.8 %



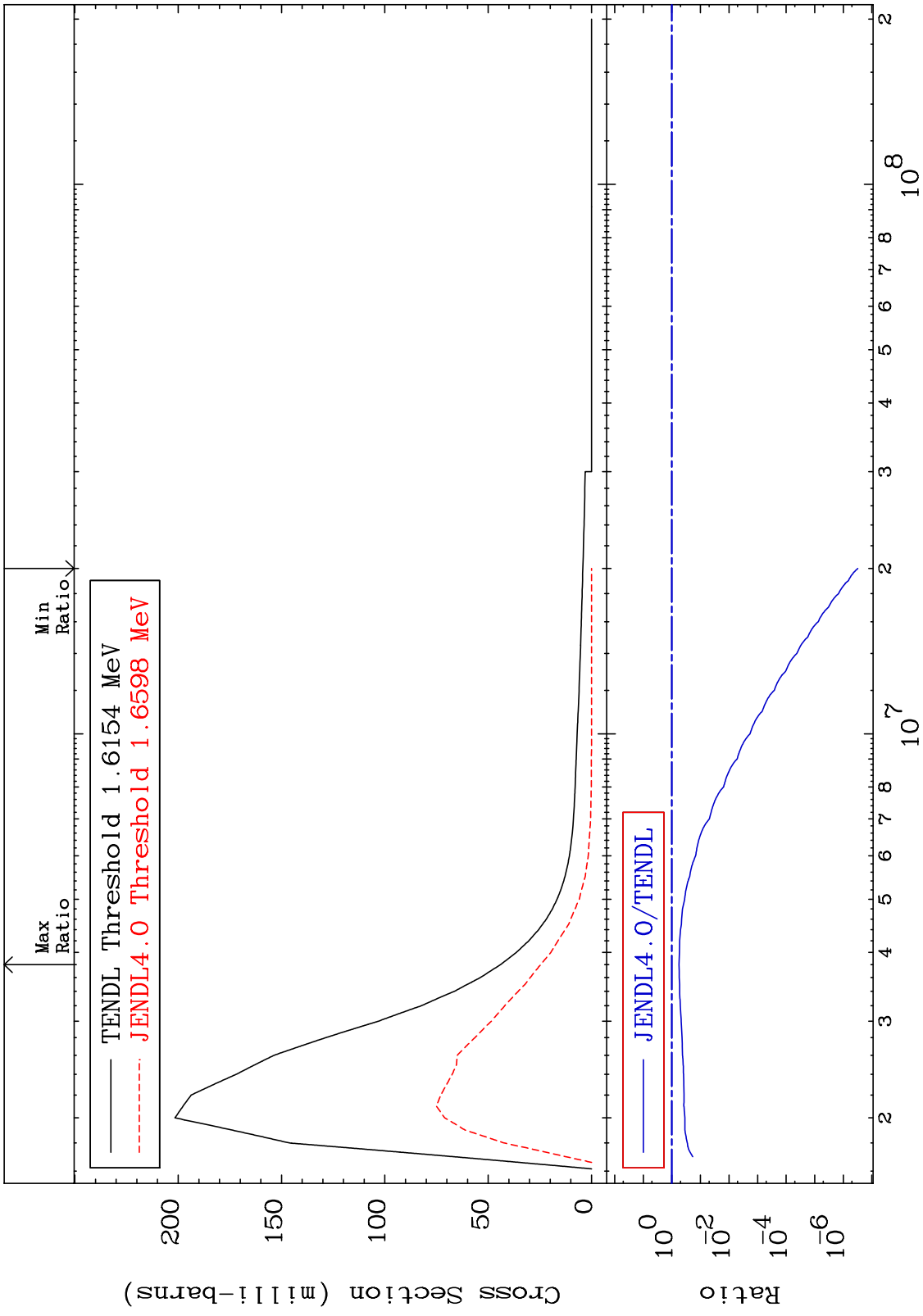
MAT 4034 MT= 59 (n,n') Level Cross Section 40-Zr-93
 -100.0 To -6.092%



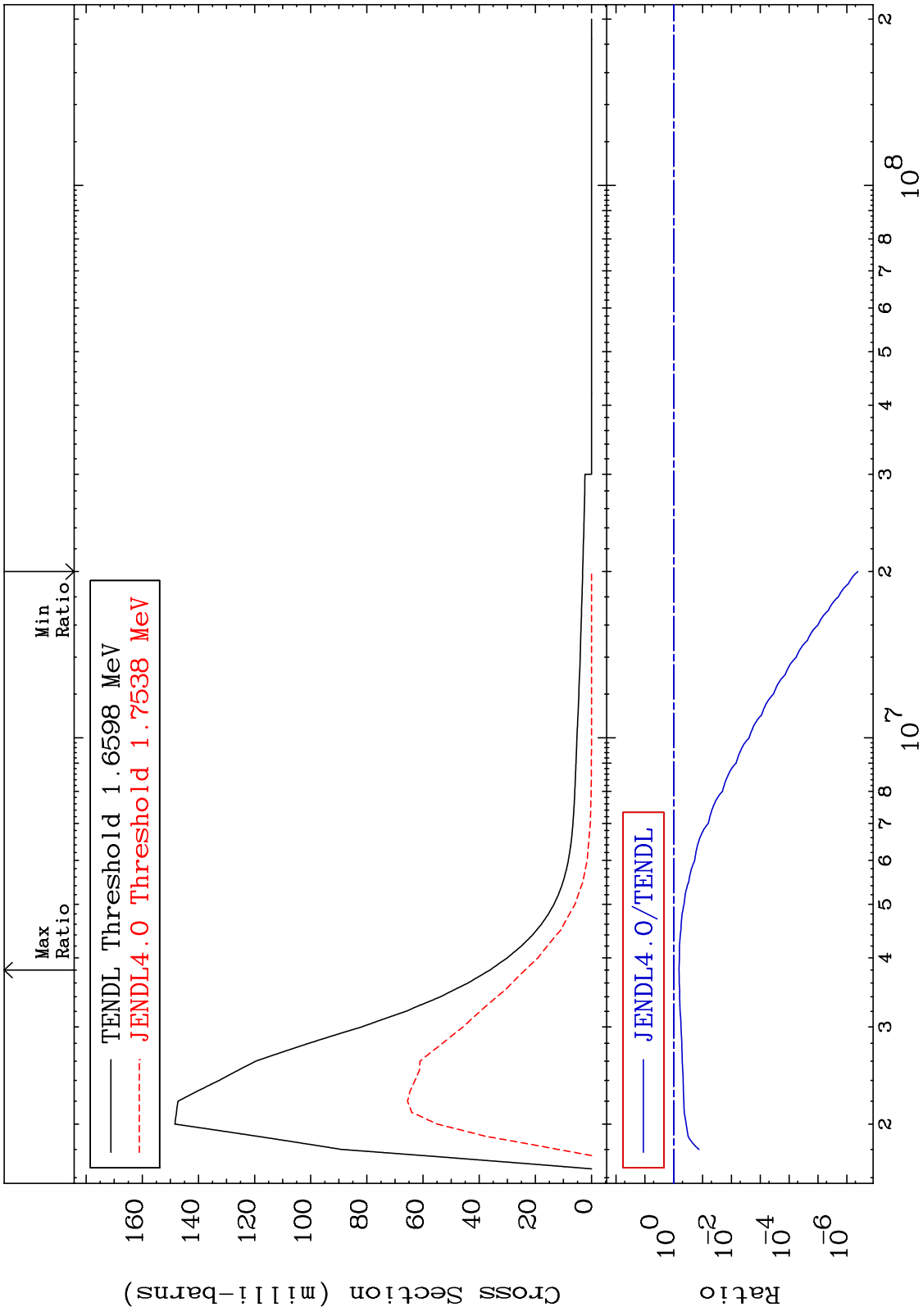
MAT 4034 MT= 60 (n,n') Level Cross Section 40-Zr-93
 -99.99 To 509.9 %



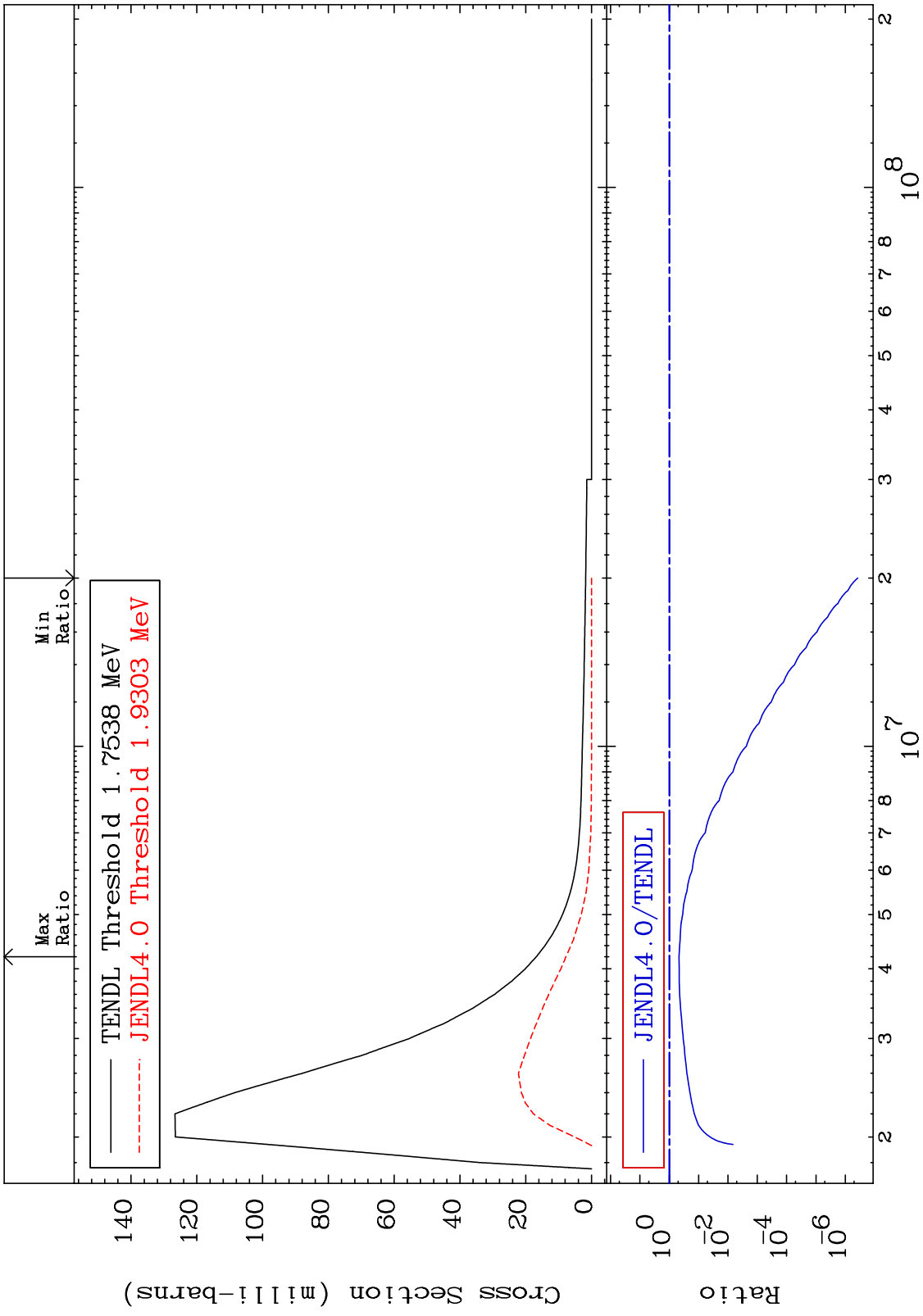
MAT 4034 MT= 61 (n,n') Level Cross Section 40-Zr-93
 -100.0 To -43.95%



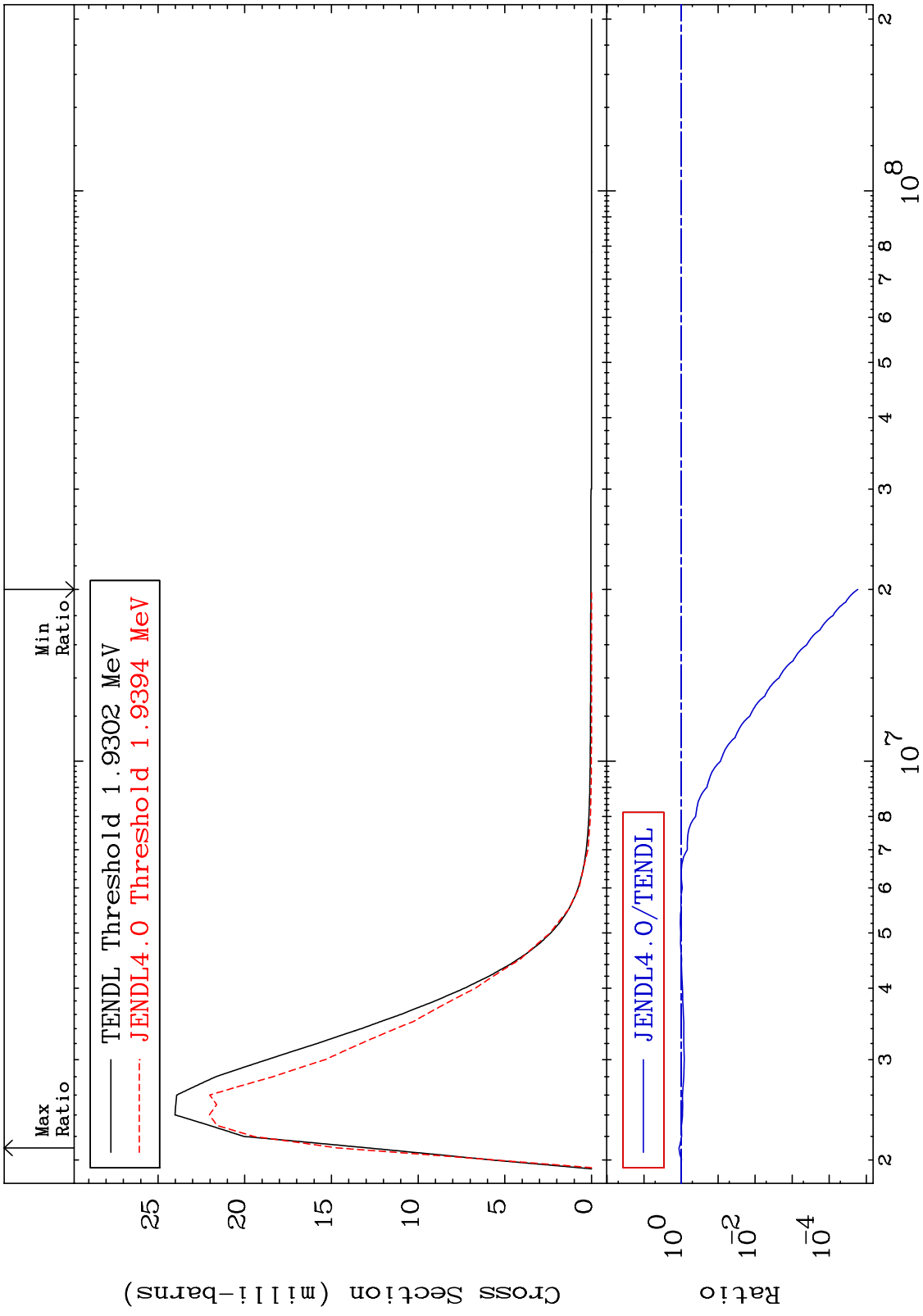
MAT 4034 MT= 62 (n,n') Level Cross Section 40-Zr-93
 -100.0 To -34.52%



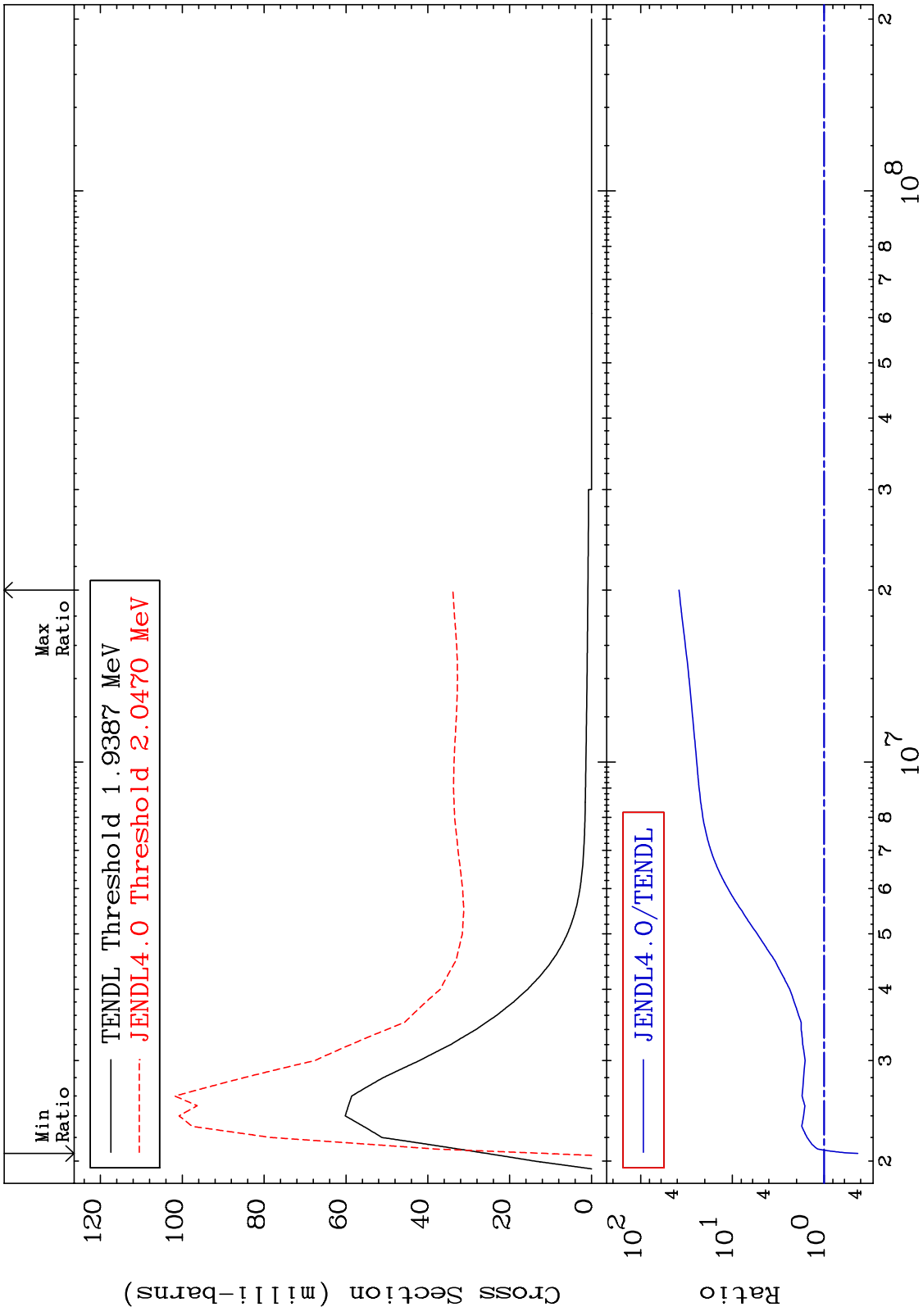
MAT 4034 MT= 63 (n,n') Level Cross Section 40-Zr-93
 -100.0 To -53.62%



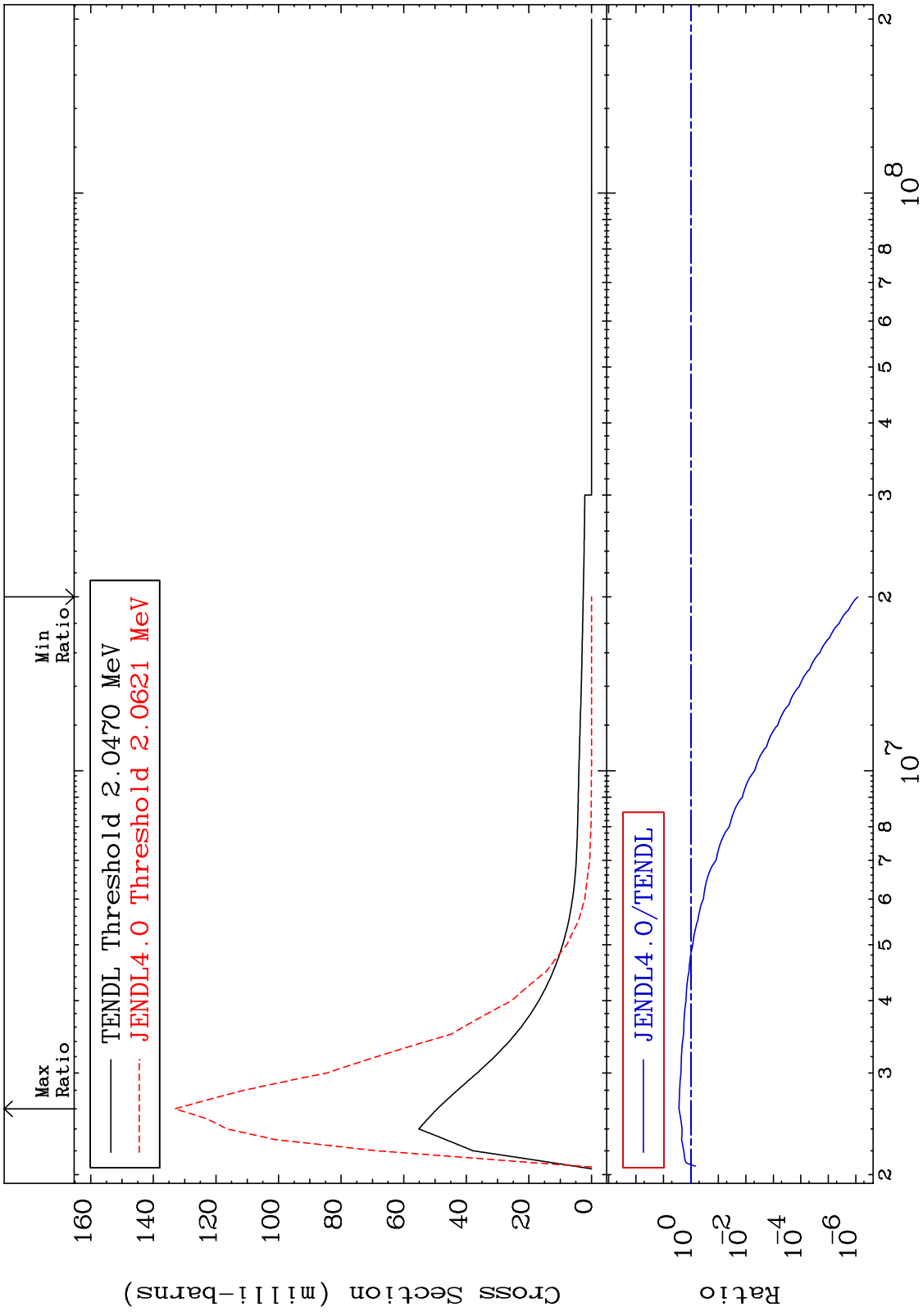
MAT 4034 MT= 64 (n,n') Level Cross Section 40-Zr-93
 -100.0 To 13.67 %



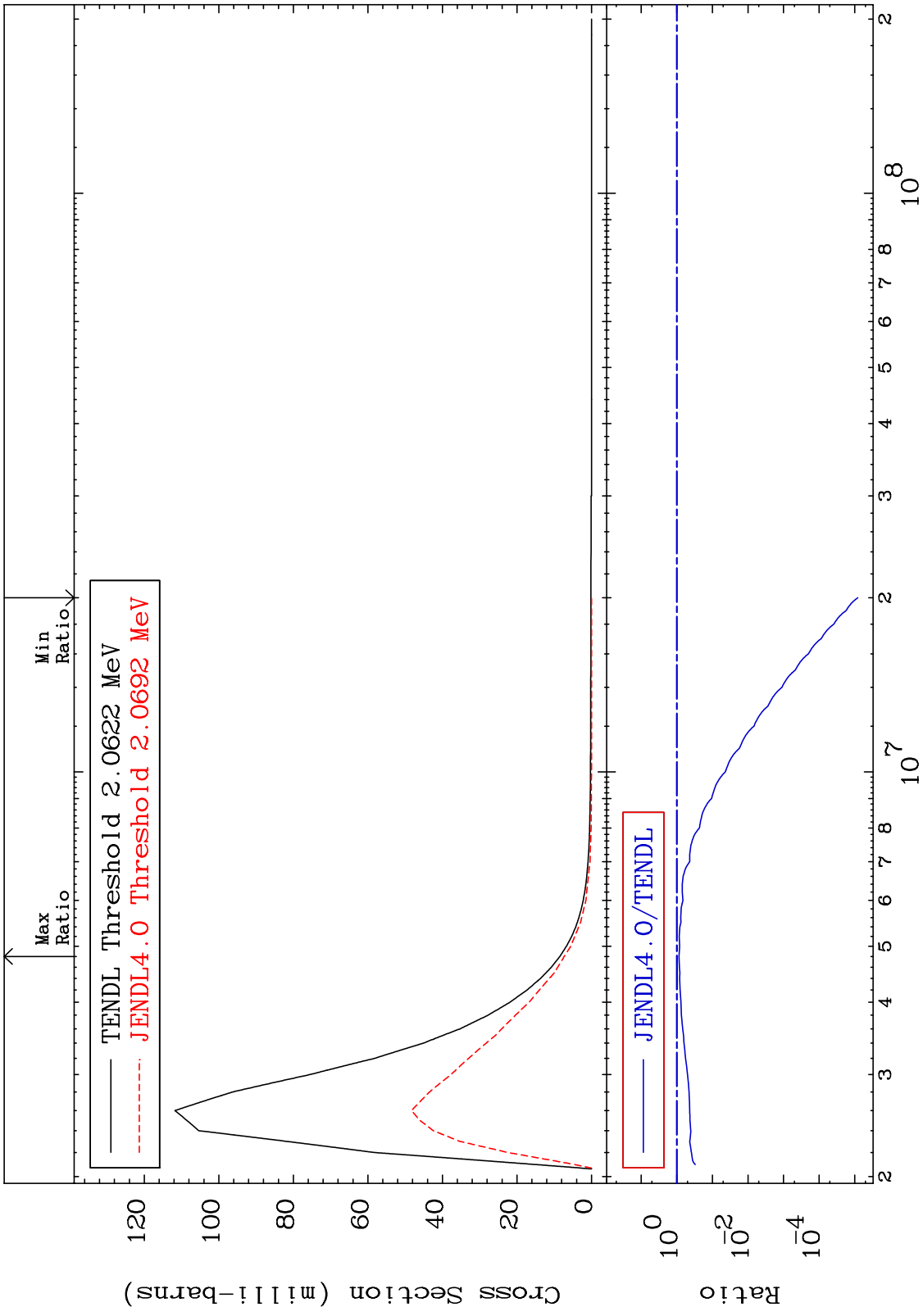
MAT 4034 MT= 65 (n,n') Level Cross Section -57.15 To 3715. % 40-Zr-93



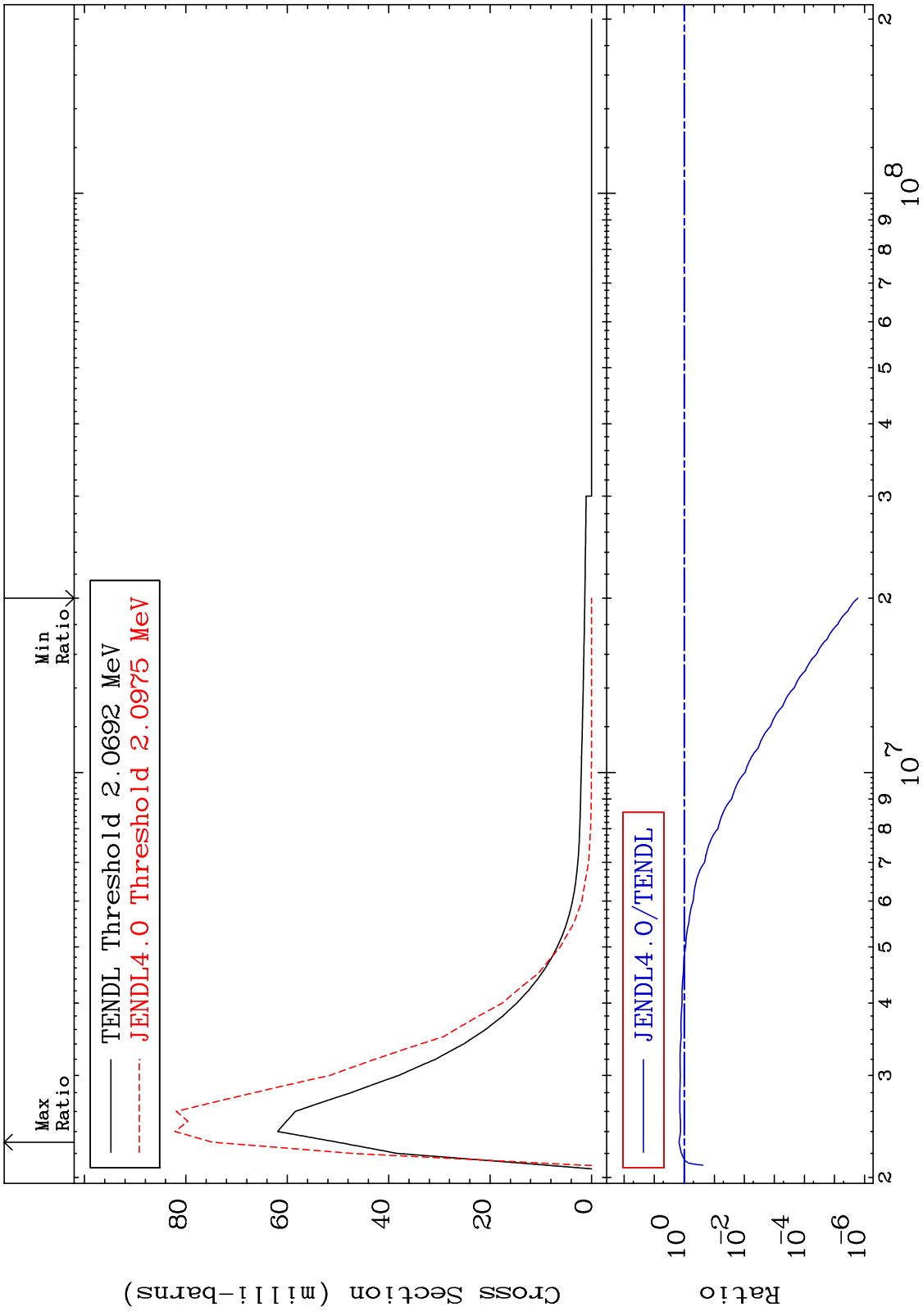
MAT 4034 MT= 66 (n,n') Level Cross Section -100.0 To 170.1 % 40-Zr-93



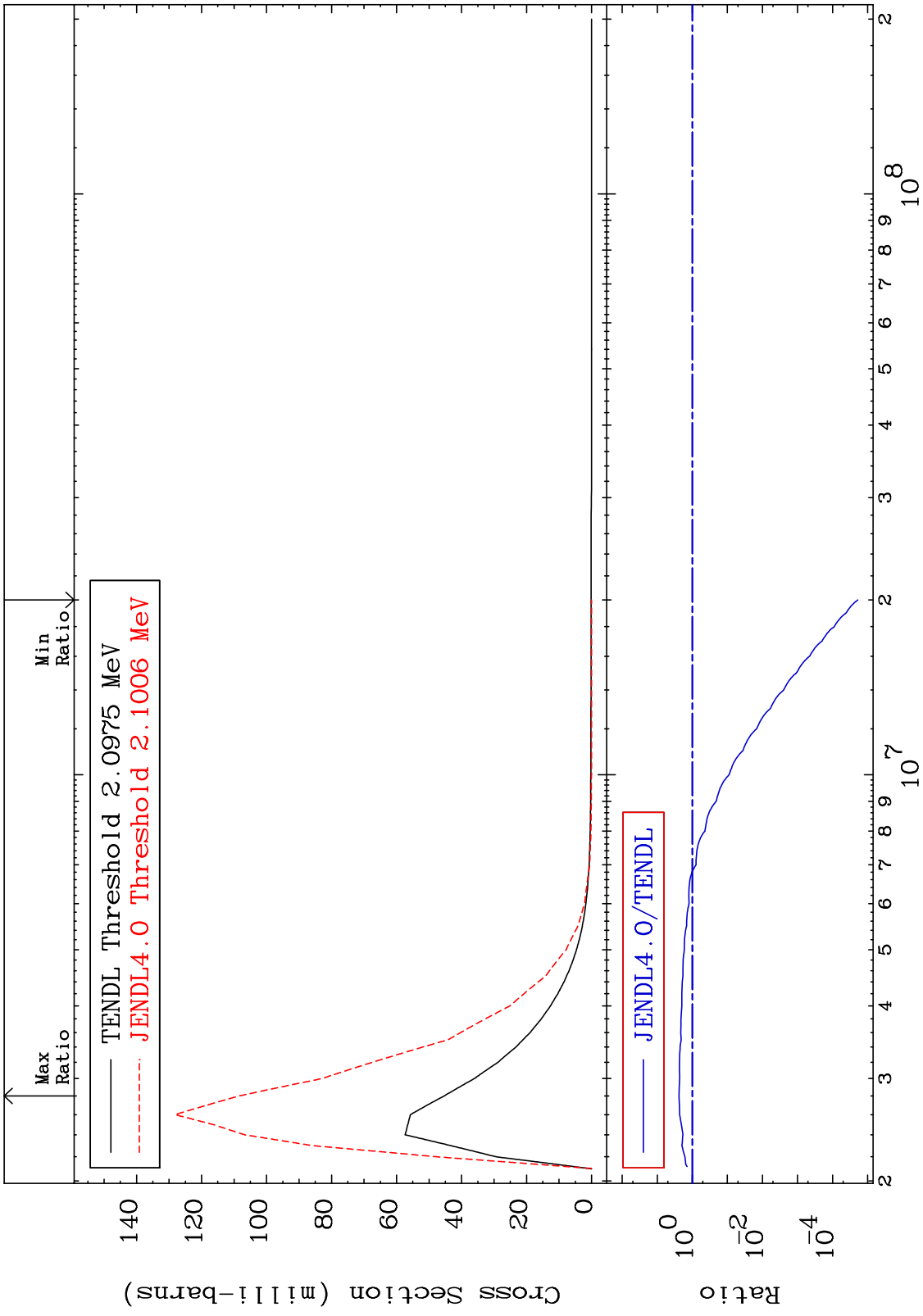
MAT 4034 MT= 67 (n,n') Level Cross Section 40-Zr-93
 -100.0 To -13.91%



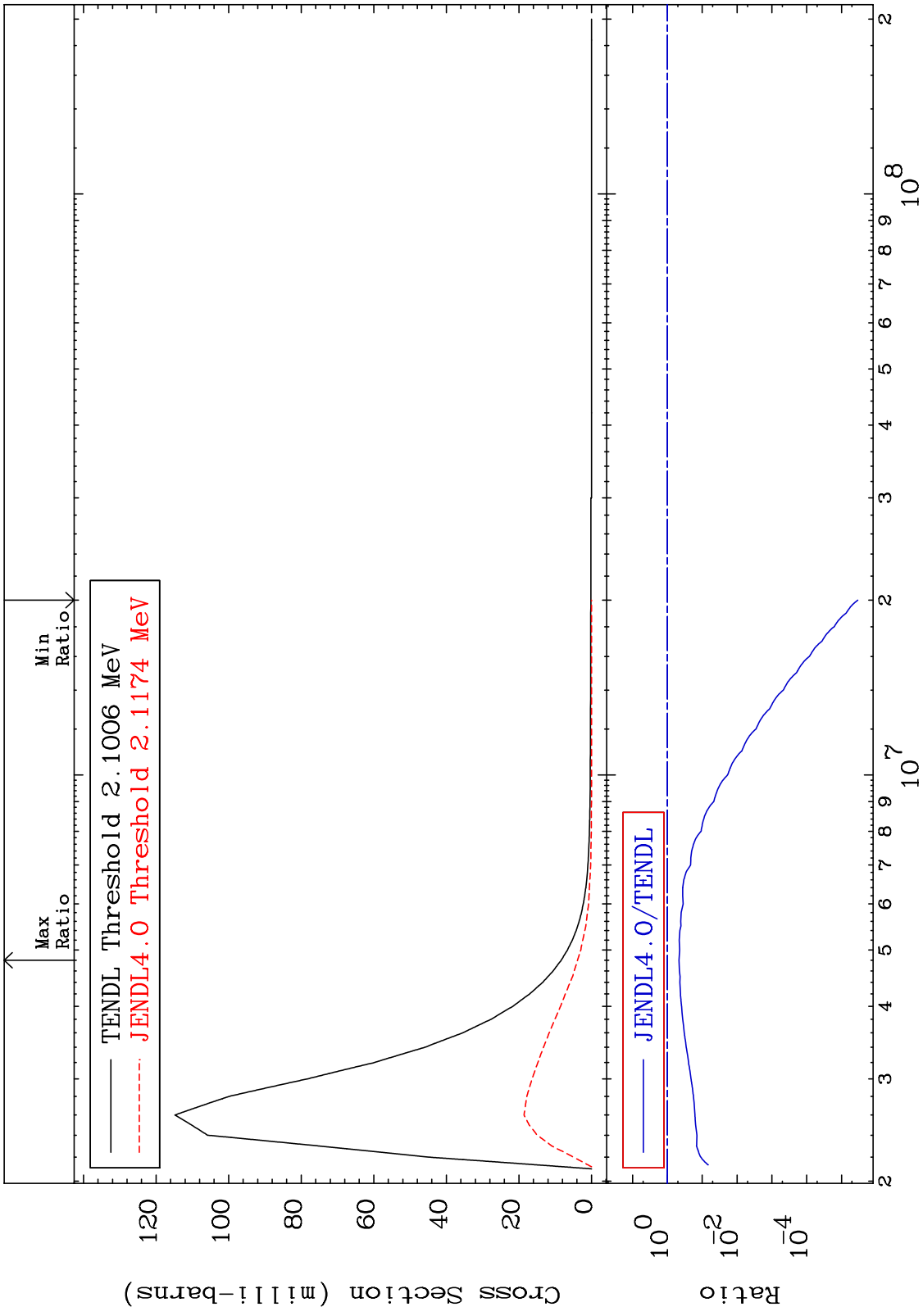
MAT 4034 MT= 68 (n,n') Level Cross Section 40-Zr-93
 -100.0 To 49.13 %



MAT 4034 MT= 69 (n,n') Level Cross Section 40-Zr-93
 -100.0 To 139.2 %



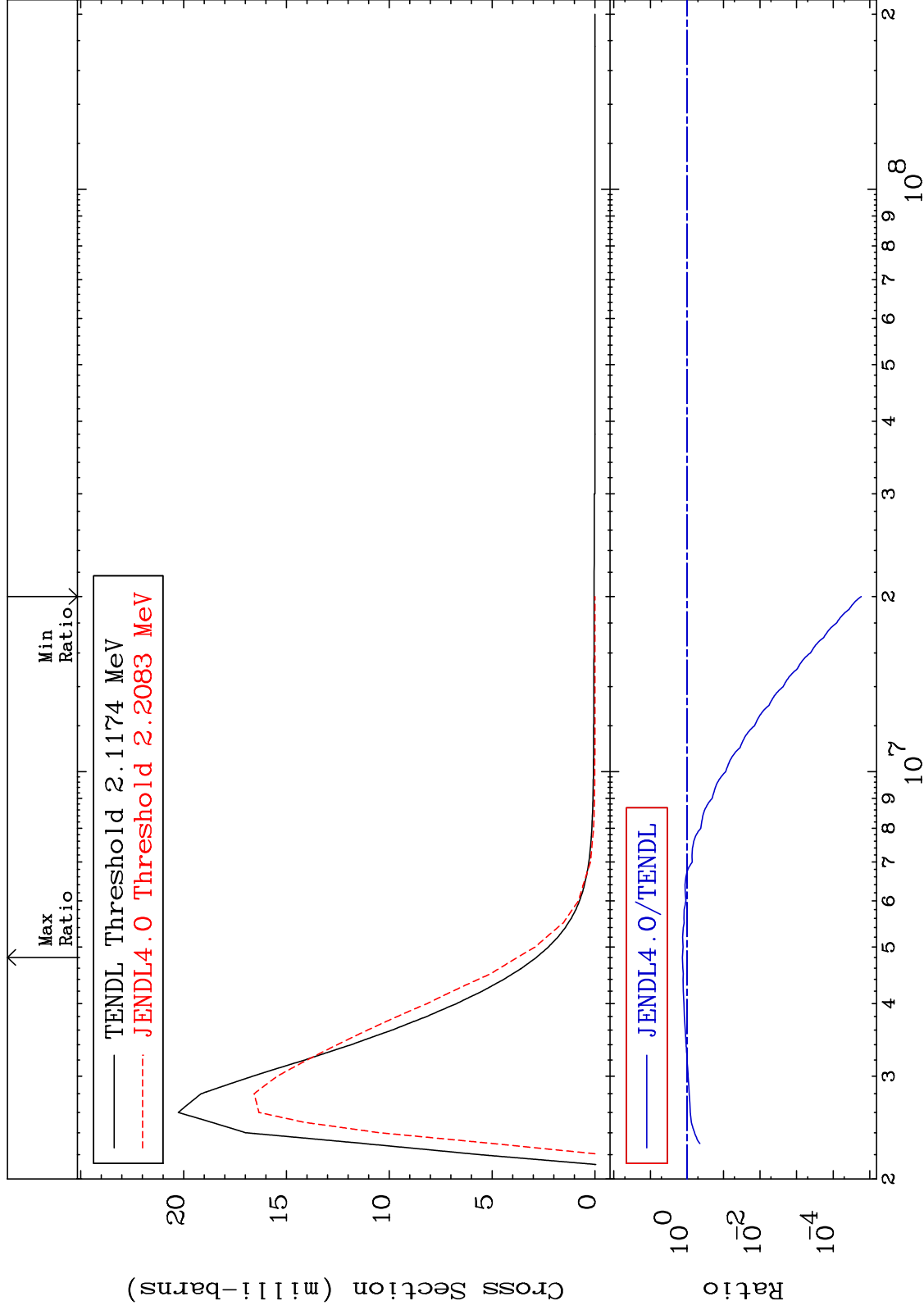
MAT 4034 MT= 70 (n,n') Level Cross Section 40-Zr-93
 -100.0 To -53.74%



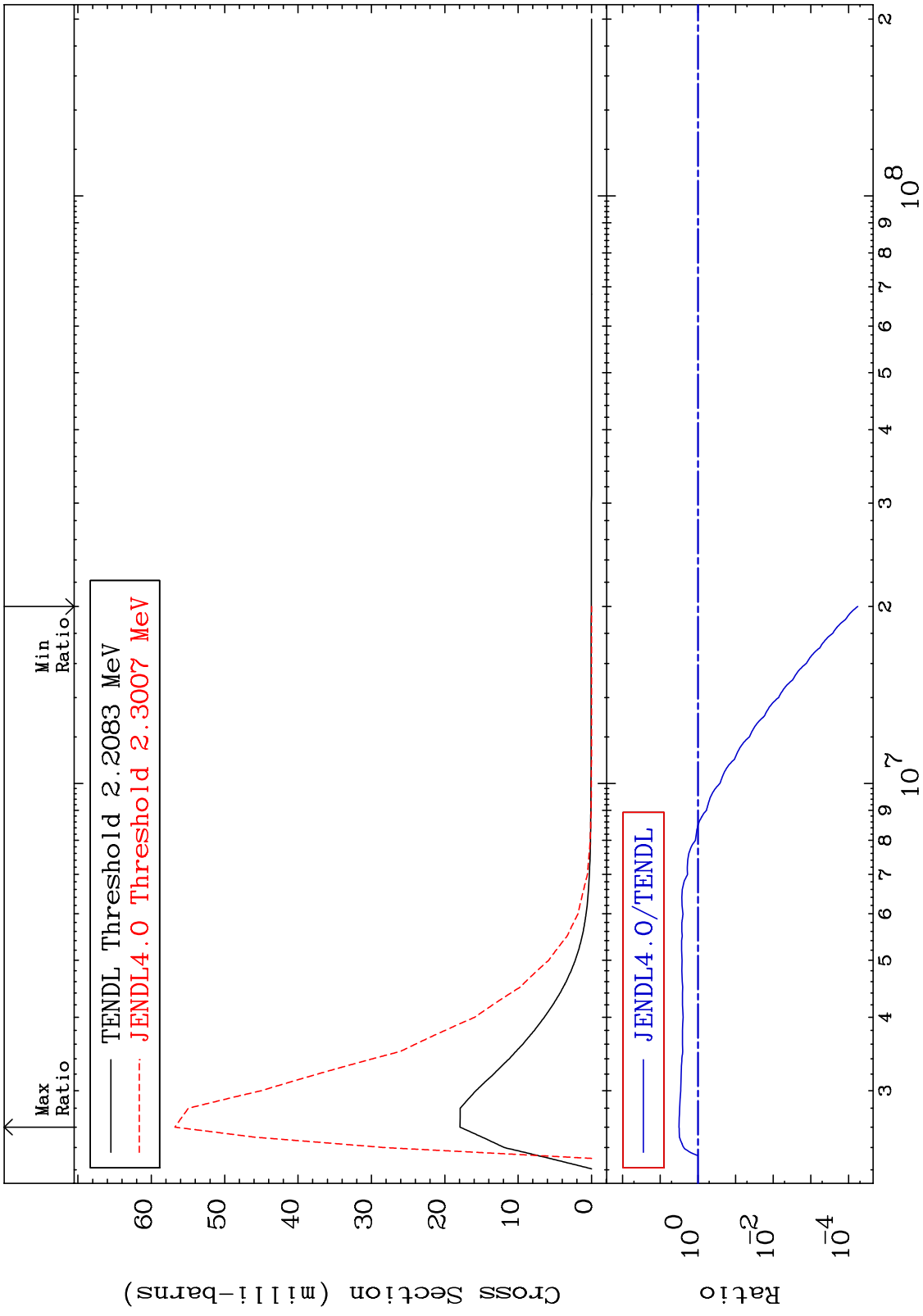
MAT 4034

MT= 71 (n,n') Level
Cross Section

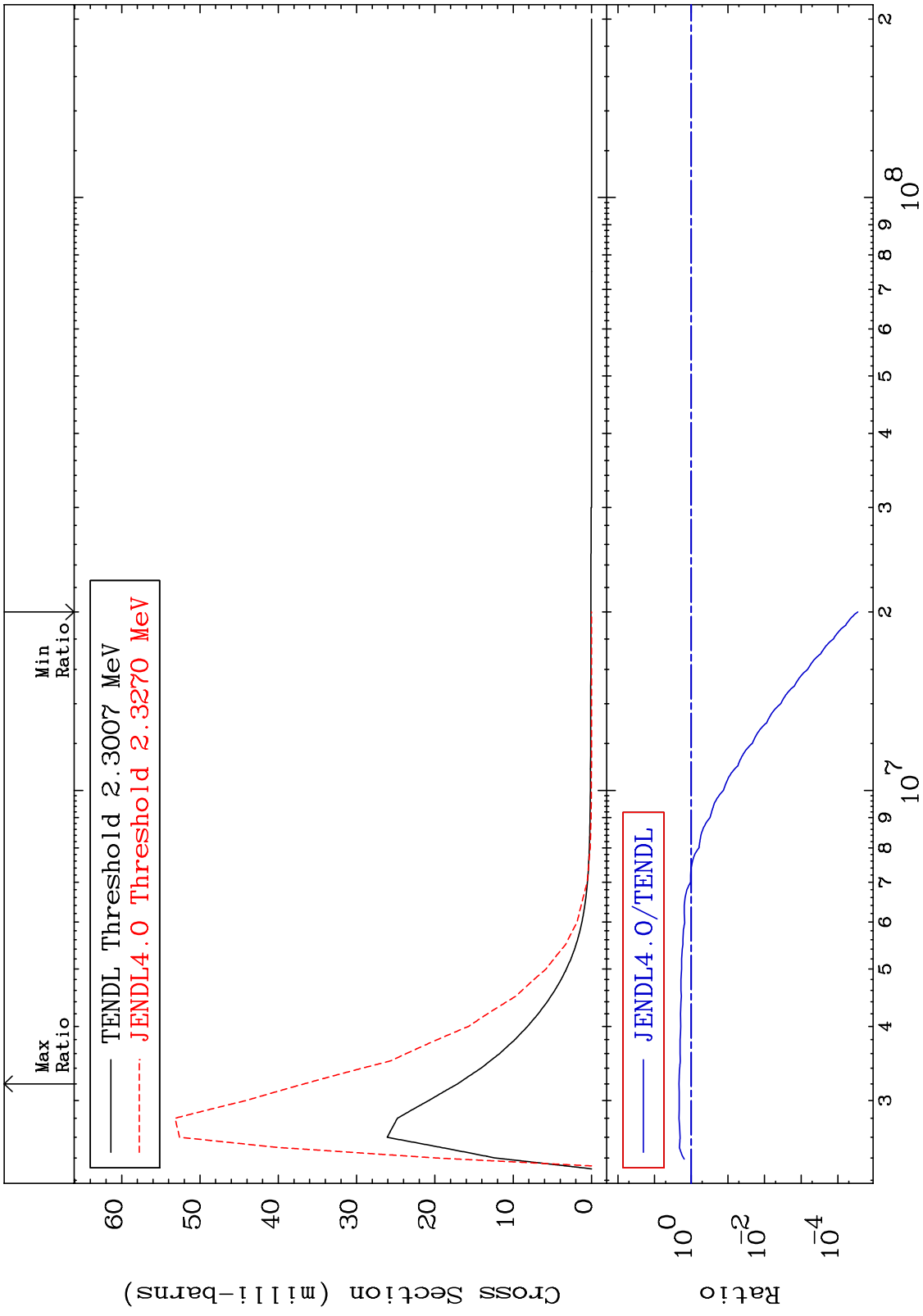
40-Zr-93
-100.0 To 32.59 %



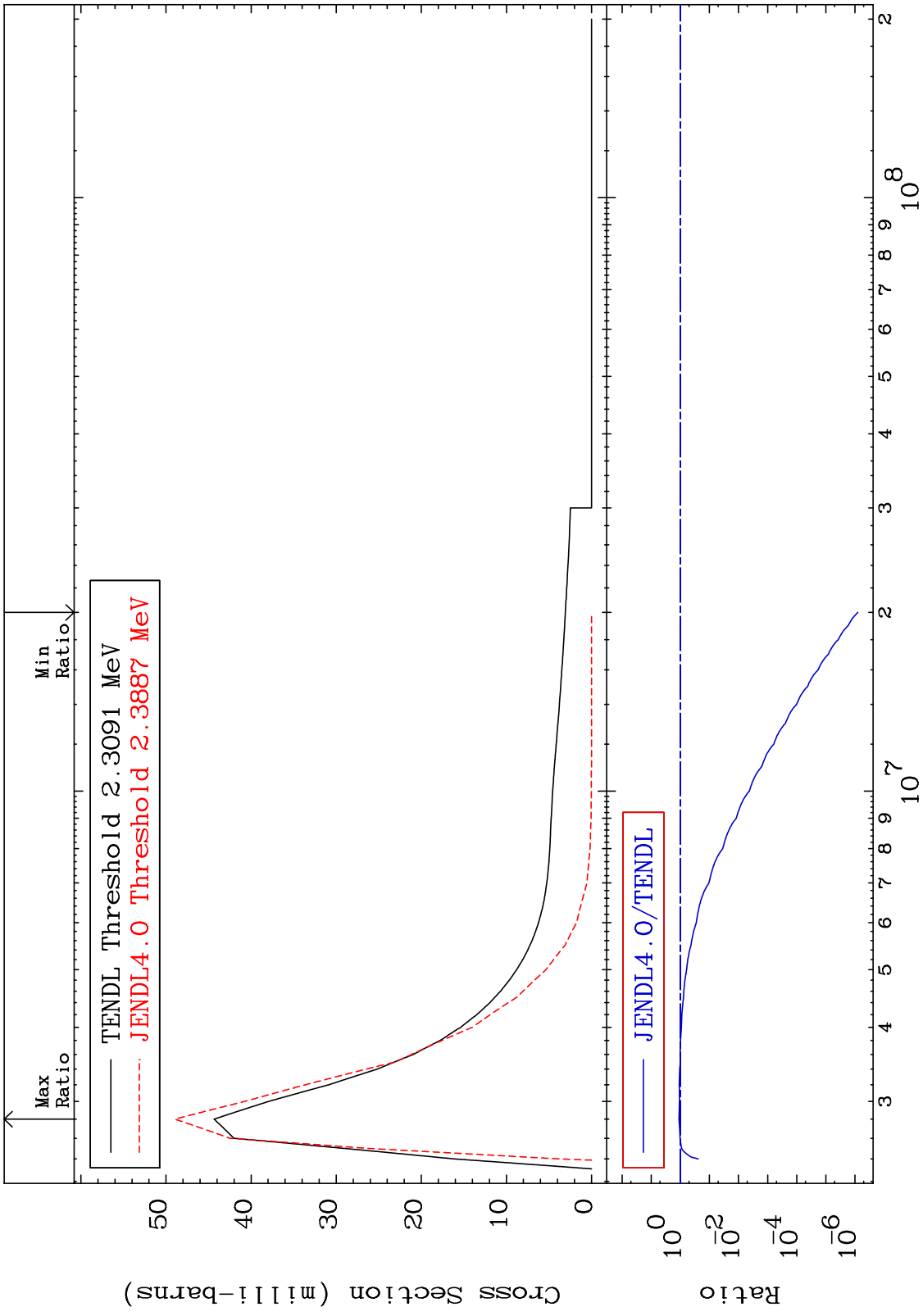
MAT 4034 MT= 72 (n,n') Level Cross Section 40-Zr-93
 -99.99 To 216.8 %



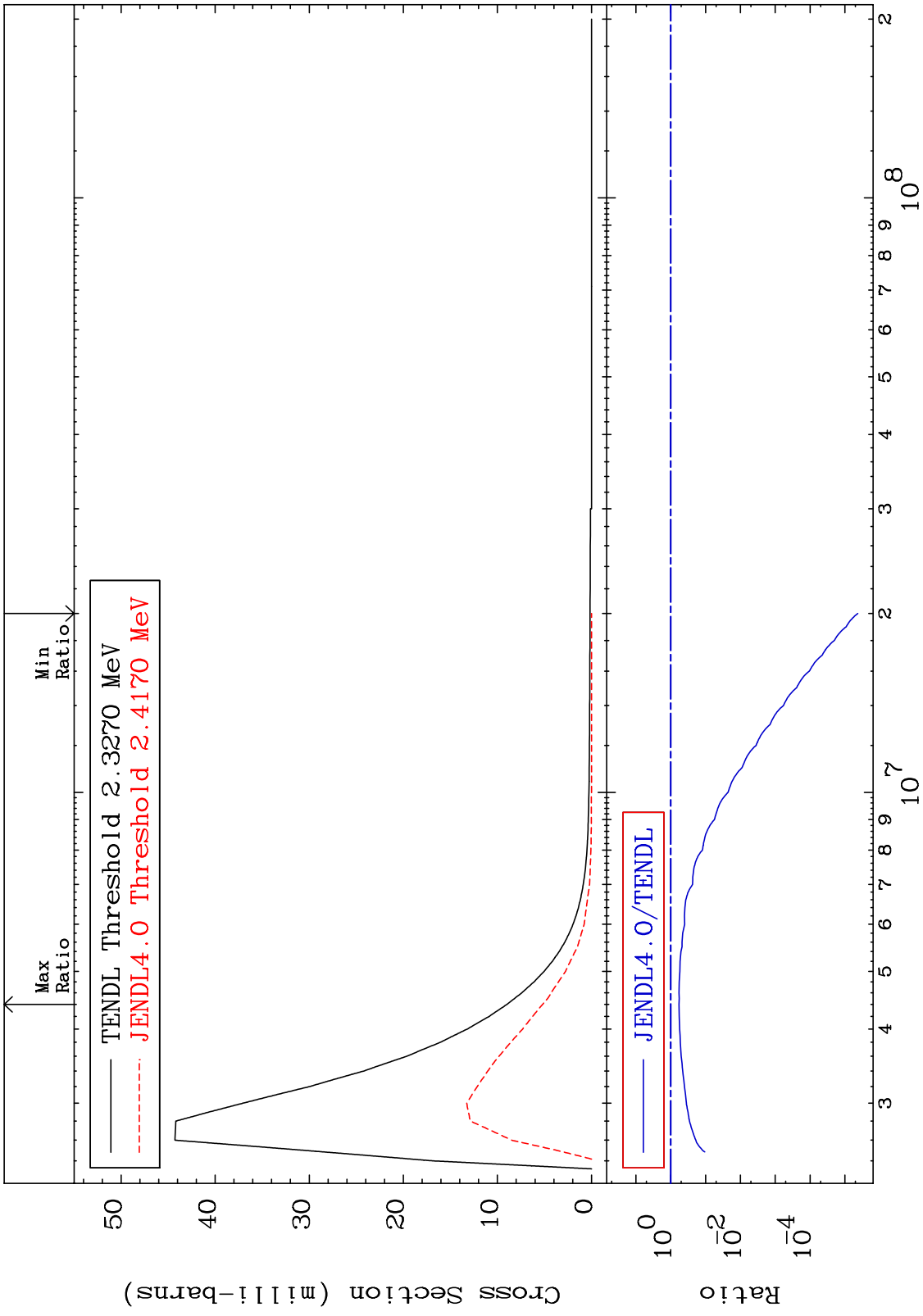
MAT 4034 MT= 73 (n,n') Level Cross Section 40-Zr-93
 -100.0 To 114.7 %



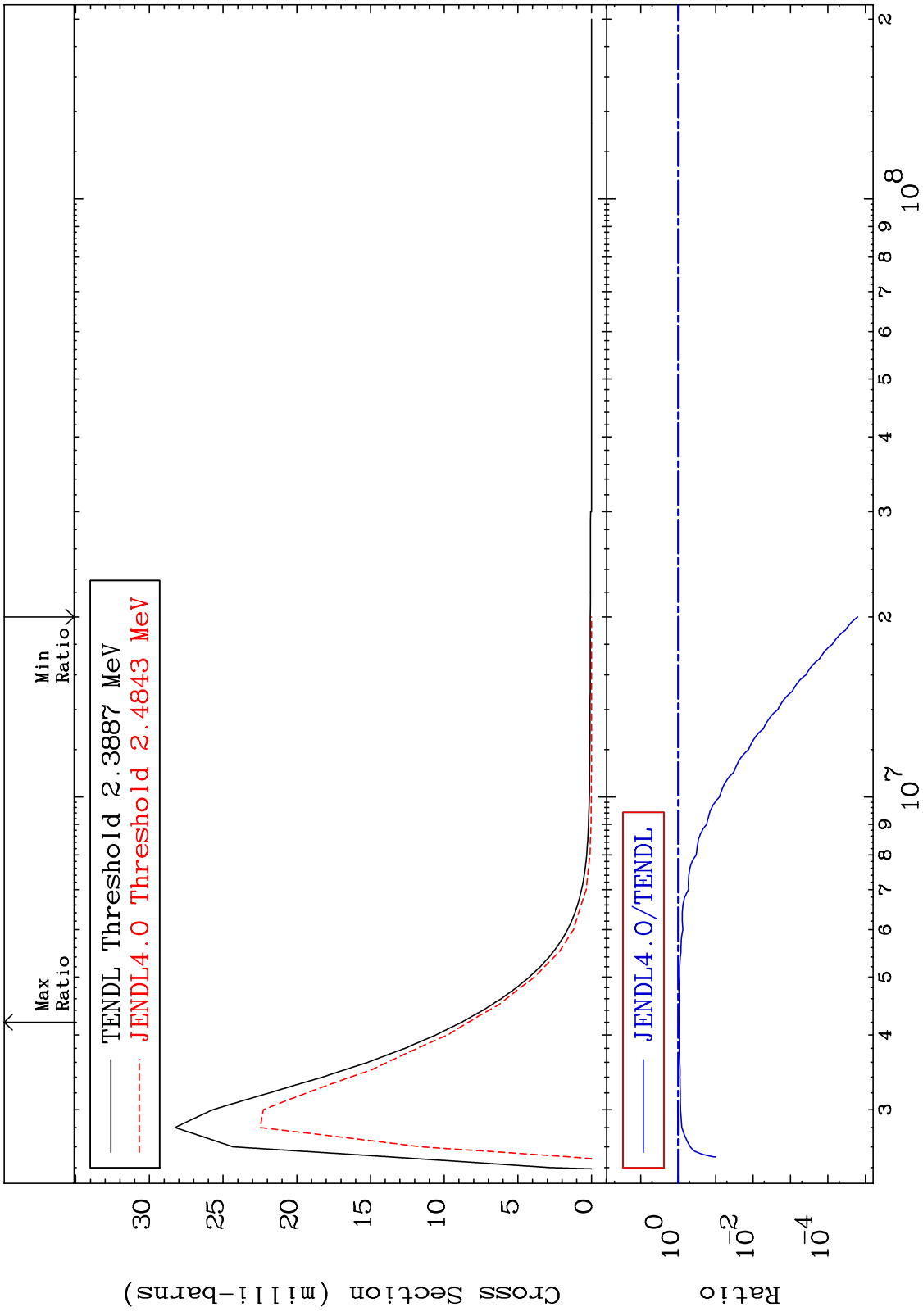
MAT 4034 MT= 74 (n,n') Level Cross Section 40-Zr-93
 -100.0 To 10.37 %



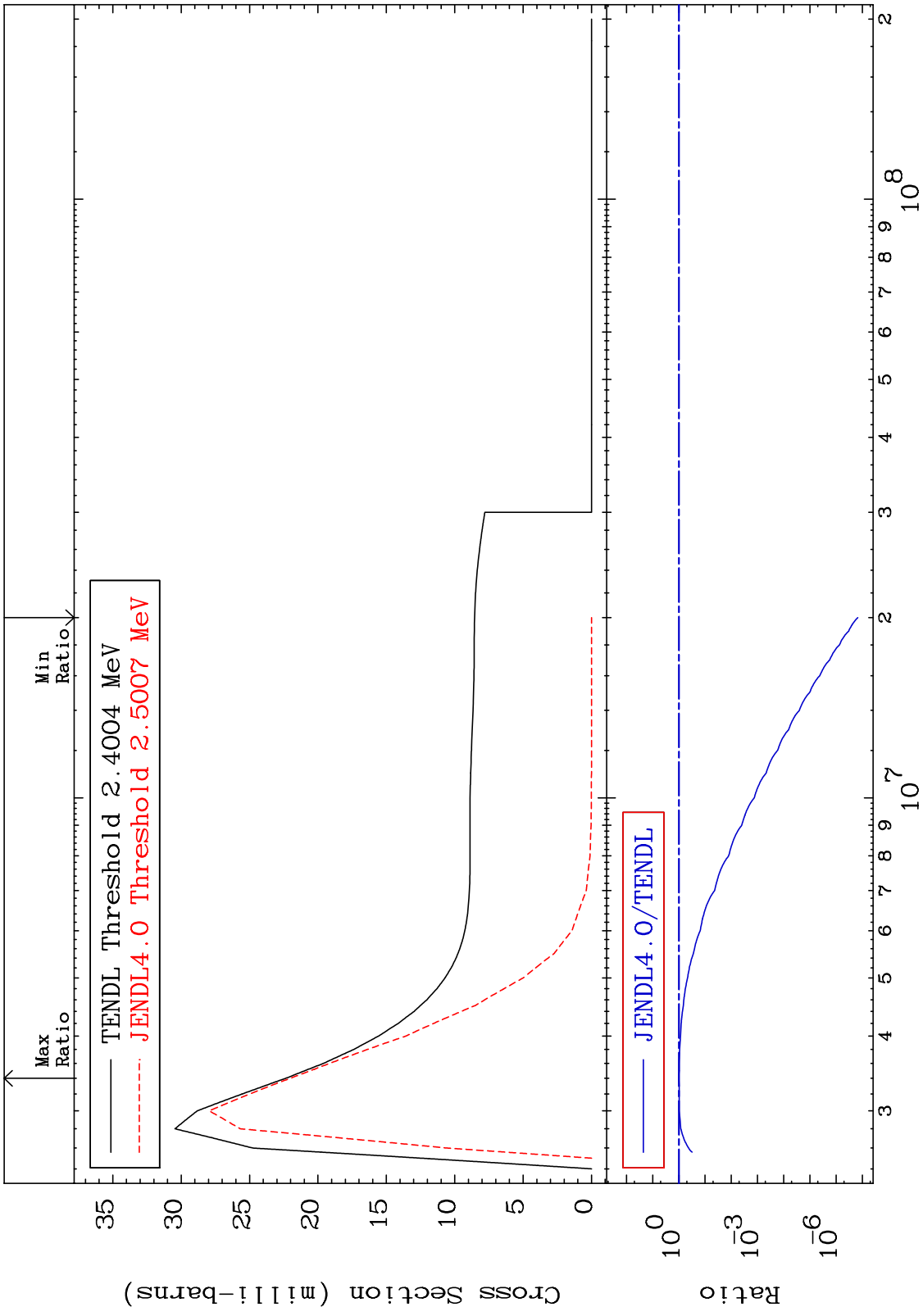
MAT 4034 MT= 75 (n,n') Level Cross Section -100.0 To -42.11% 40-Zr-93



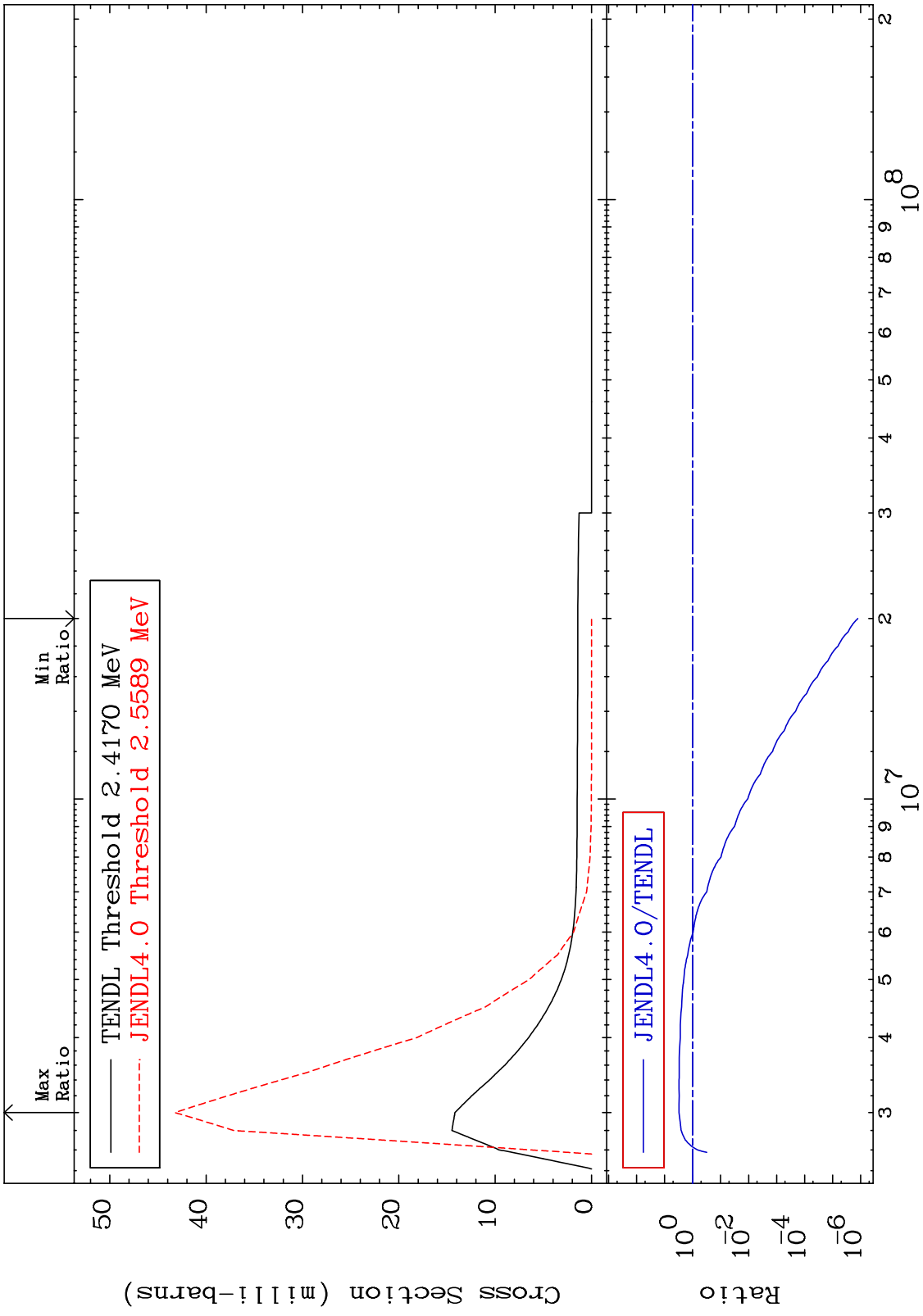
MAT 4034 MT= 76 (n,n') Level Cross Section 40-Zr-93
 -100.0 To -5.168%



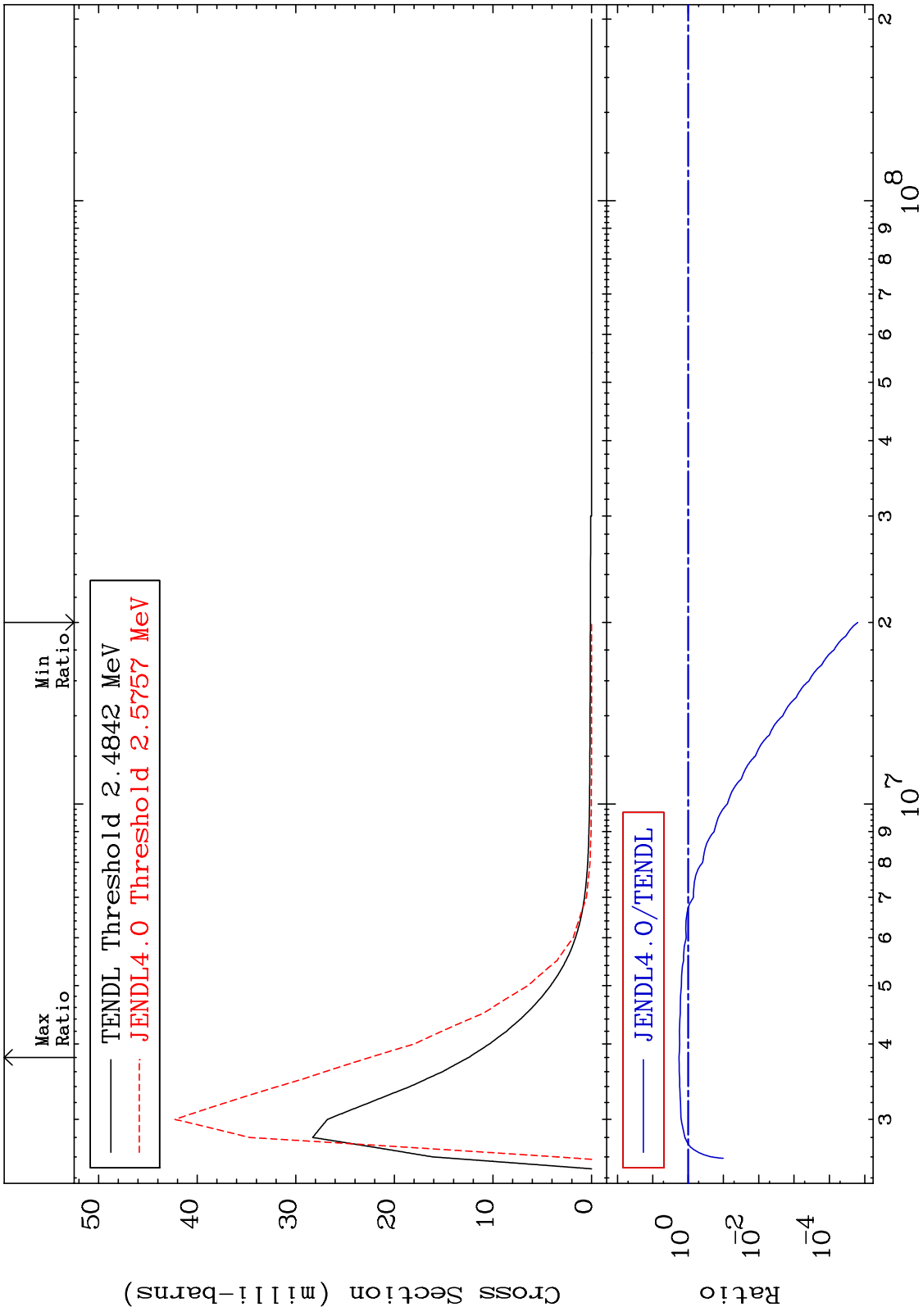
MAT 4034 MT= 77 (n,n') Level Cross Section 40-Zr-93
 -100.0 To -1.405%



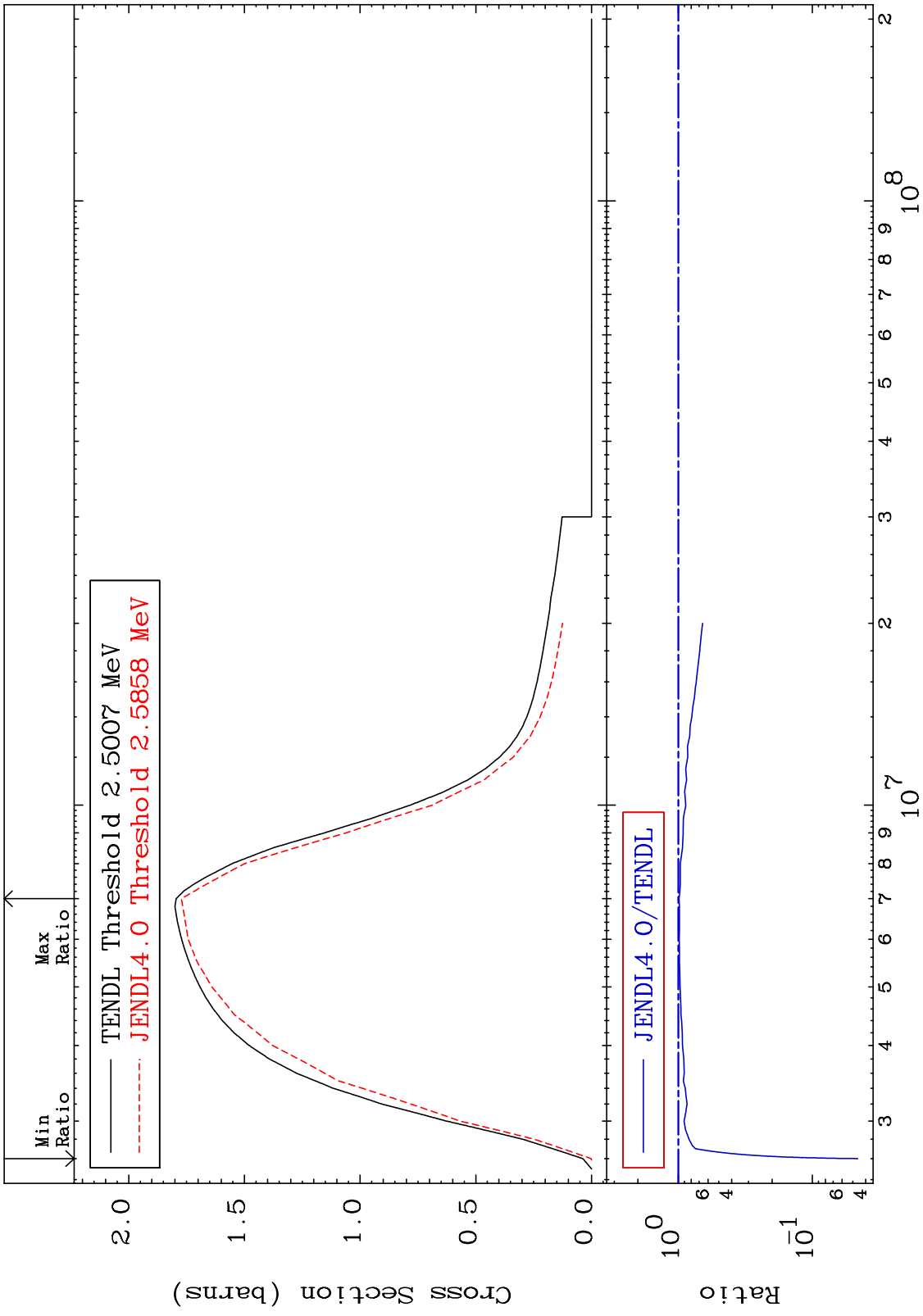
MAT 4034 MT= 78 (n,n') Level Cross Section 40-Zr-93
 -100.0 To 205.1 %



MAT 4034 MT= 79 (n,n') Level Cross Section 40-Zr-93
 -100.0 To 80.53 %



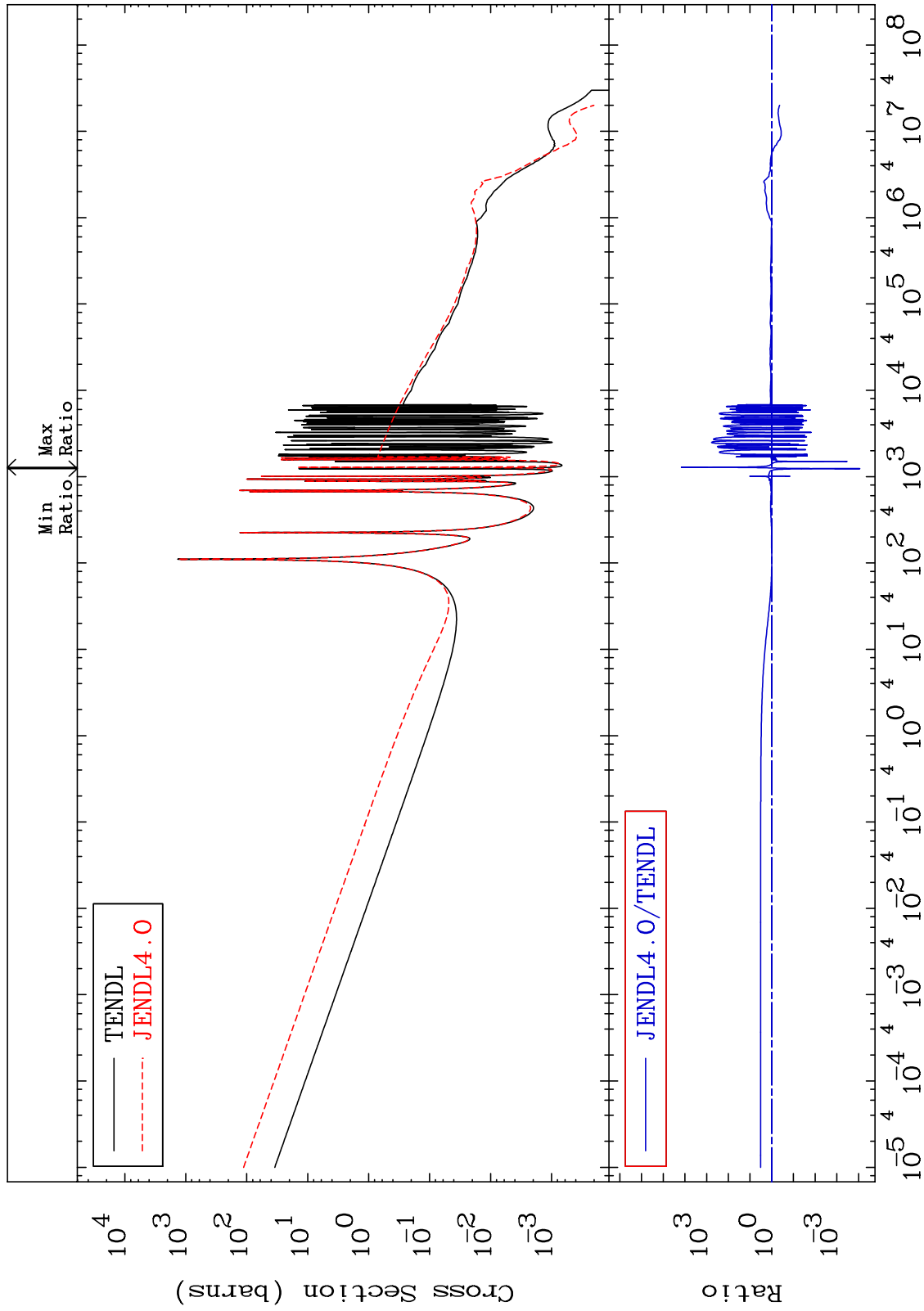
MAT 4034 (n,n') Continuum Cross Section 40-Zr-93 -95.42 To -1.254%



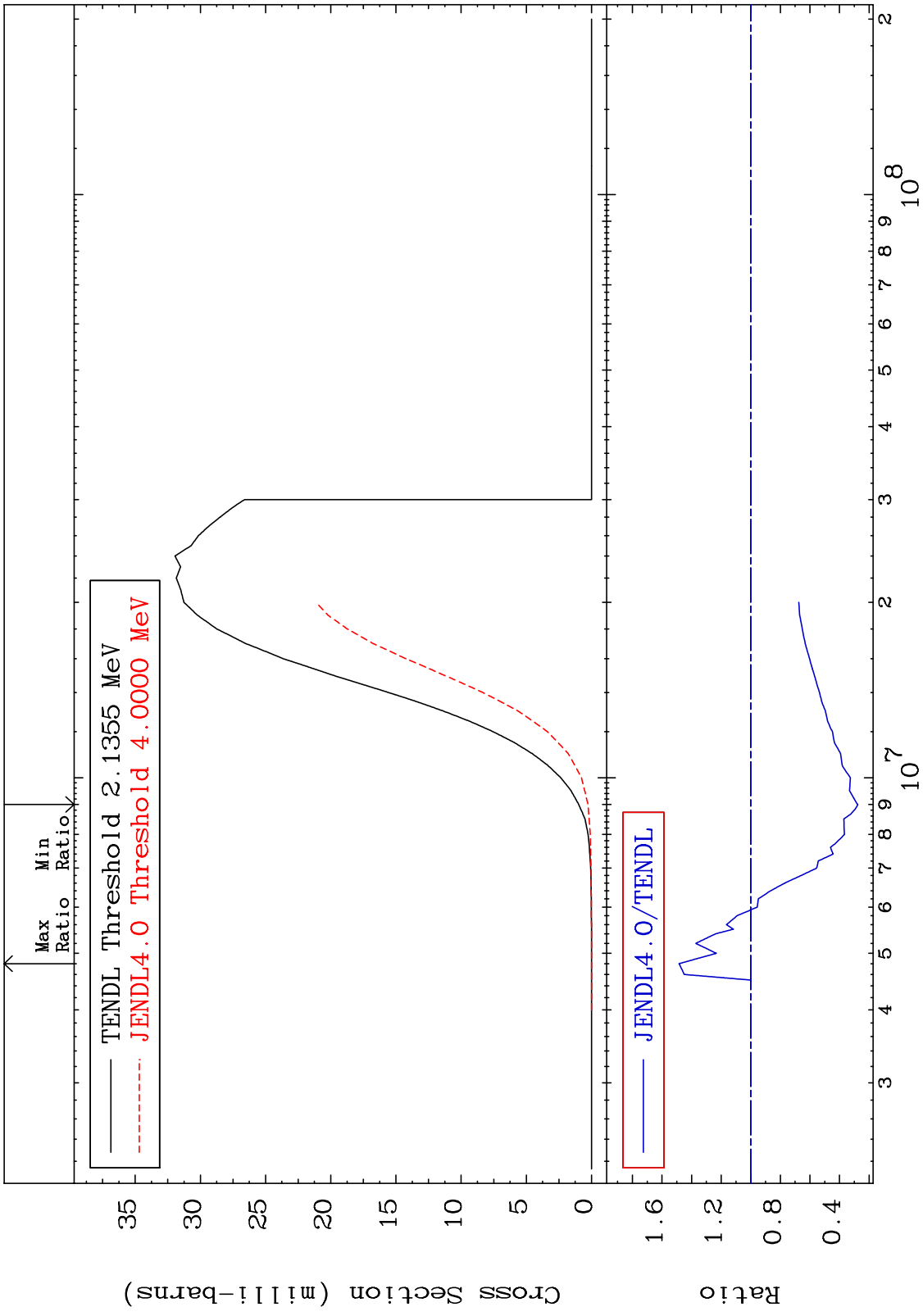
MAT 4034

40-Zr-93

(n, γ)
Cross Section
-99.99 To 9999. %

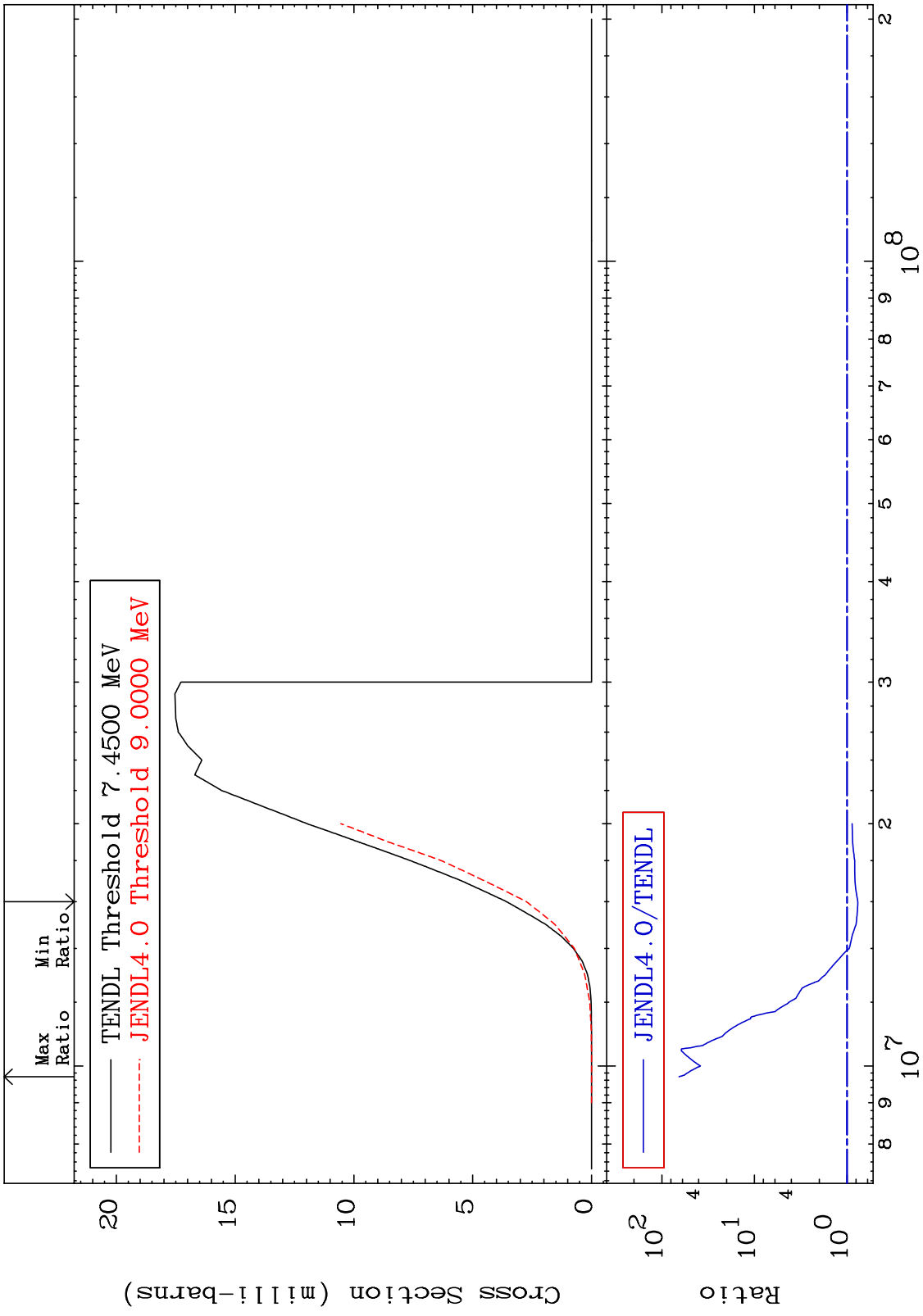


MAT 4034 (n,p) Cross Section 40-Zr-93 -72.38 To 48.46 %



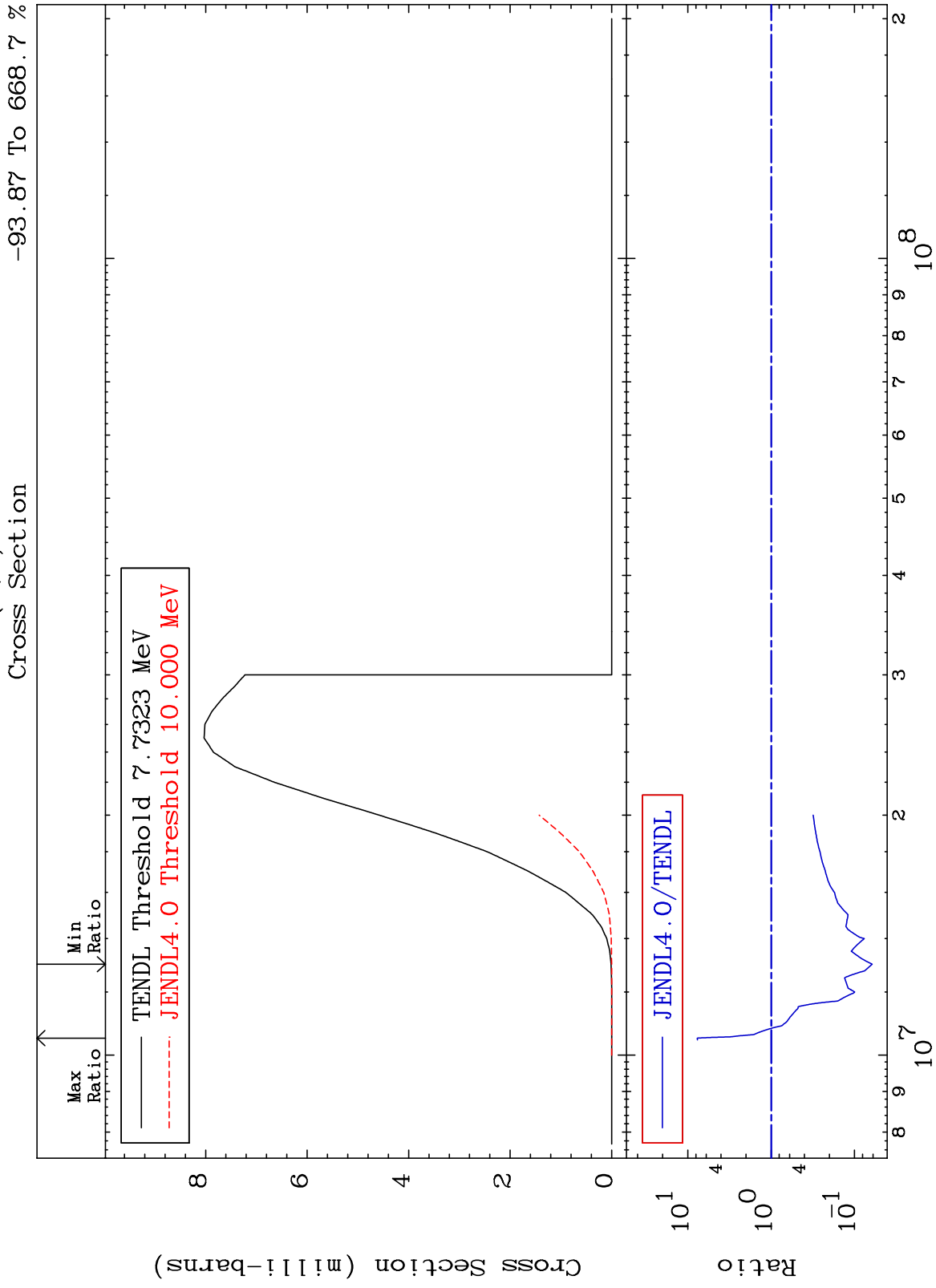
40 40-Zr-93

MAT 4034 (n,d) Cross Section 40-Zr-93 -23.39 To 6420. %

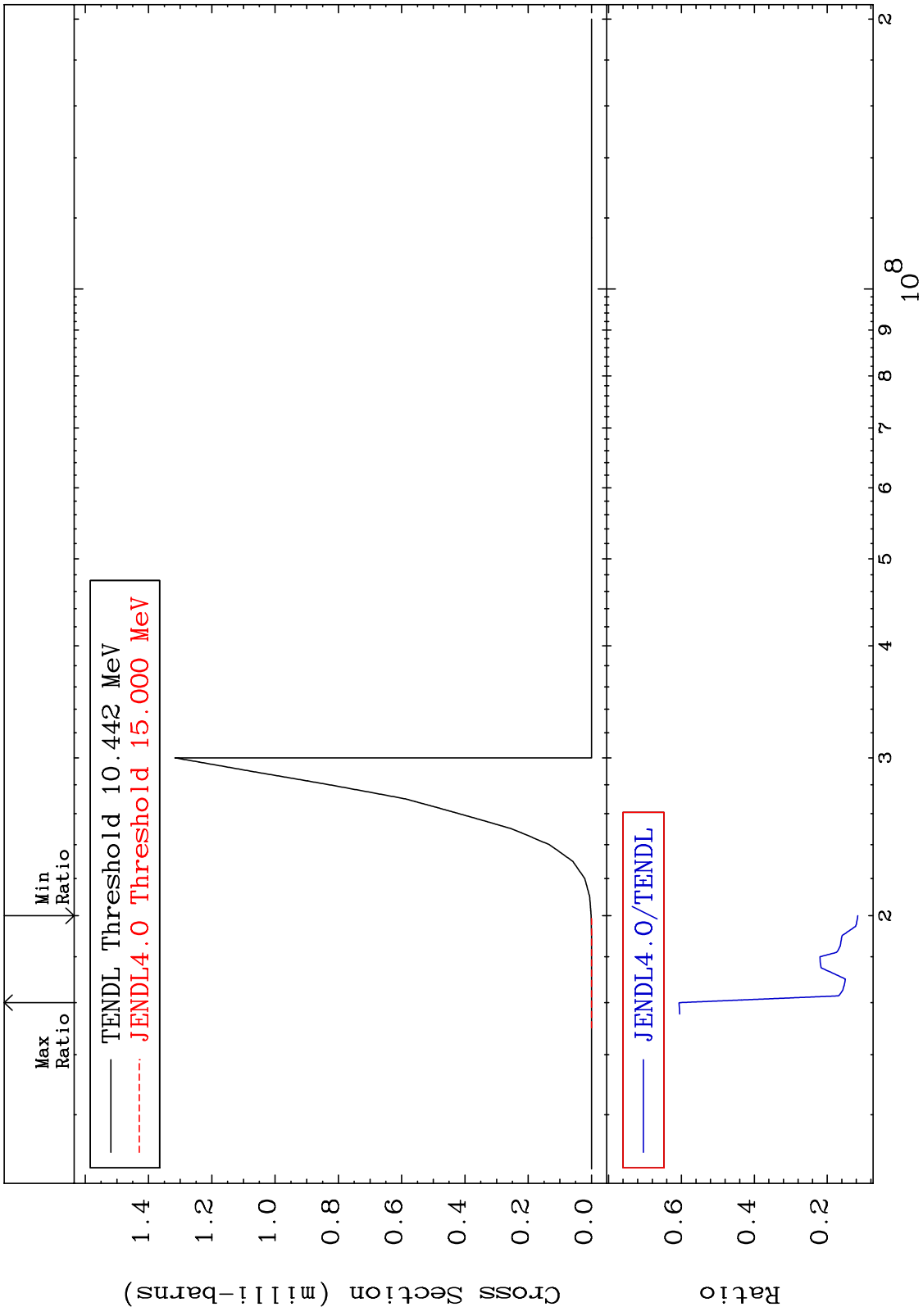


41 40-Zr-93 Incident Energy (eV)

MAT 4034 (n,t) 40-Zr-93 -93.87 To 668.7 %



42 40-Zr-93 Incident Energy (eV)



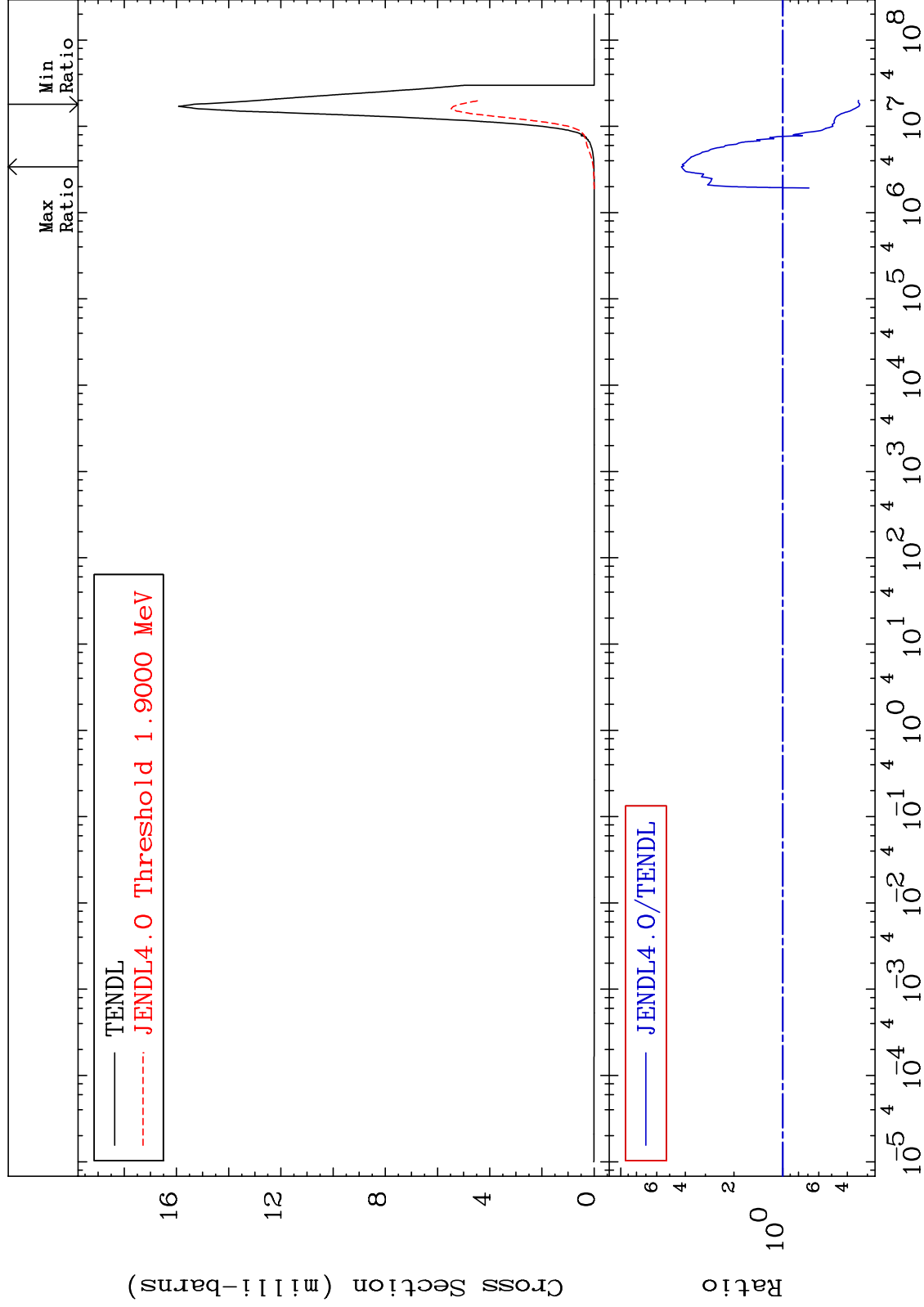
MAT 4034

(n, α)

40-Zr-93

Cross Section

-66.54 To 322.0 %



44

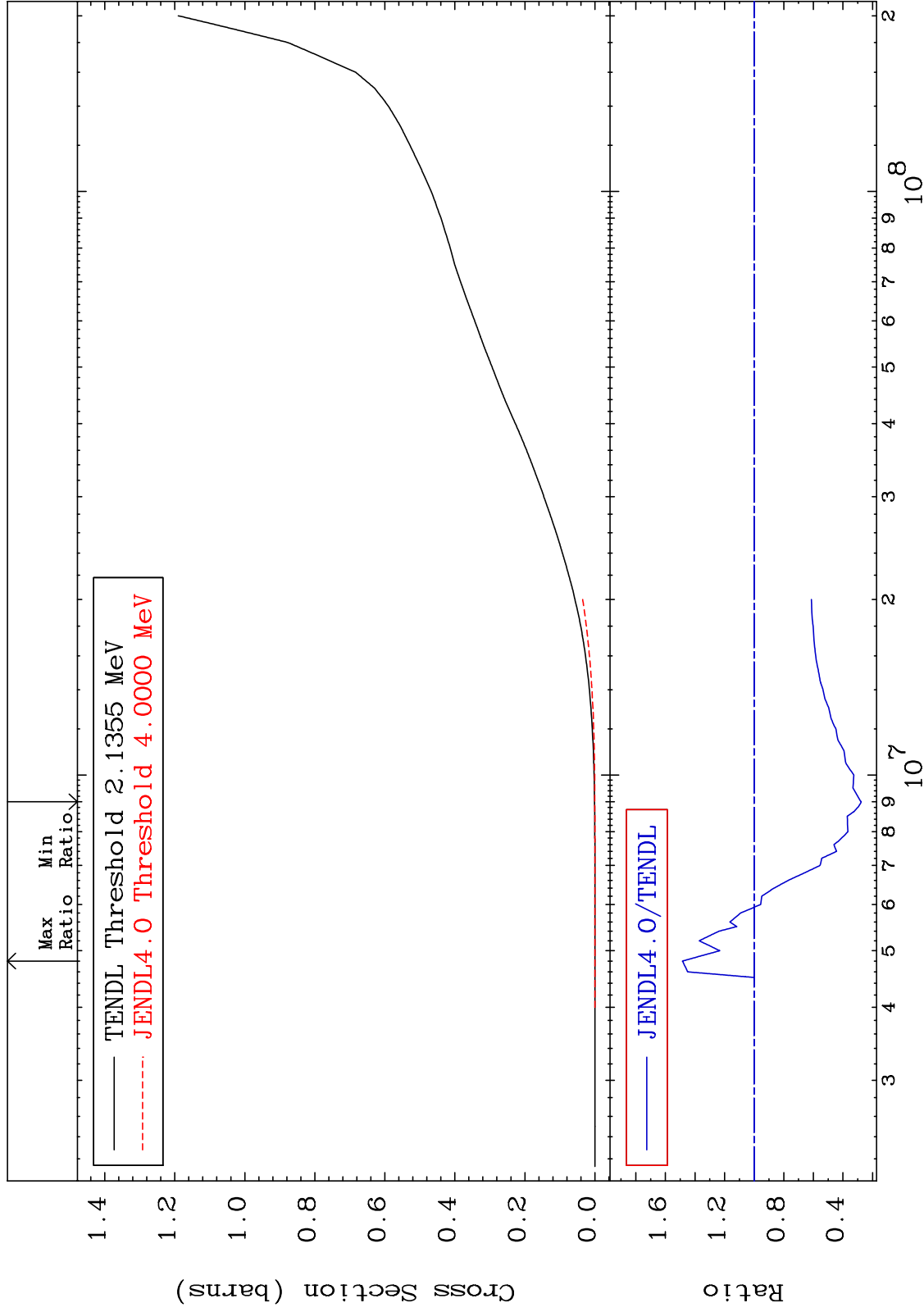
Incident Energy (eV)

40-Zr-93

MAT 4034

Hydrogen Production
Cross Section

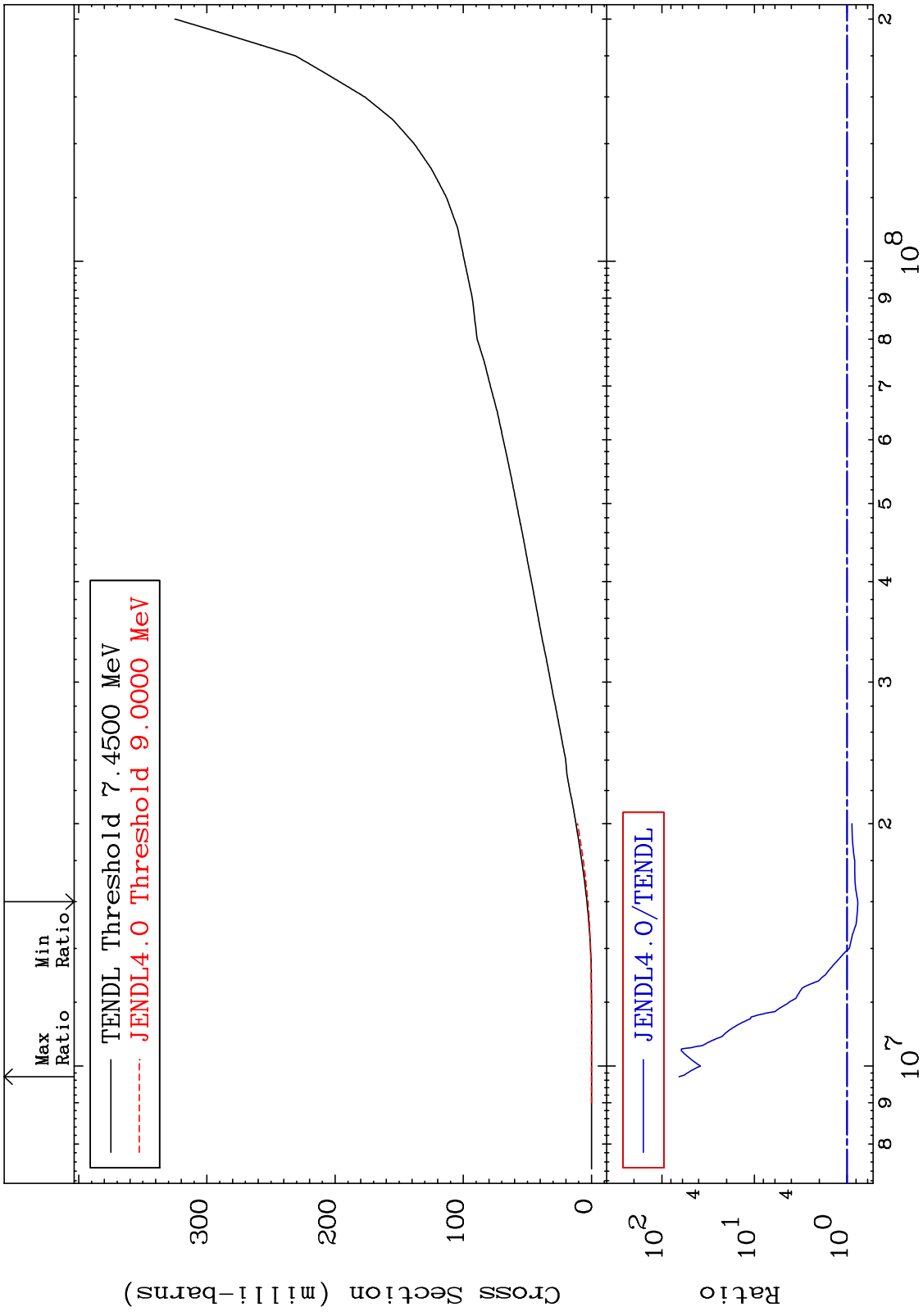
40-Zr-93
-72.38 To 48.46 %



45

Incident Energy (eV)

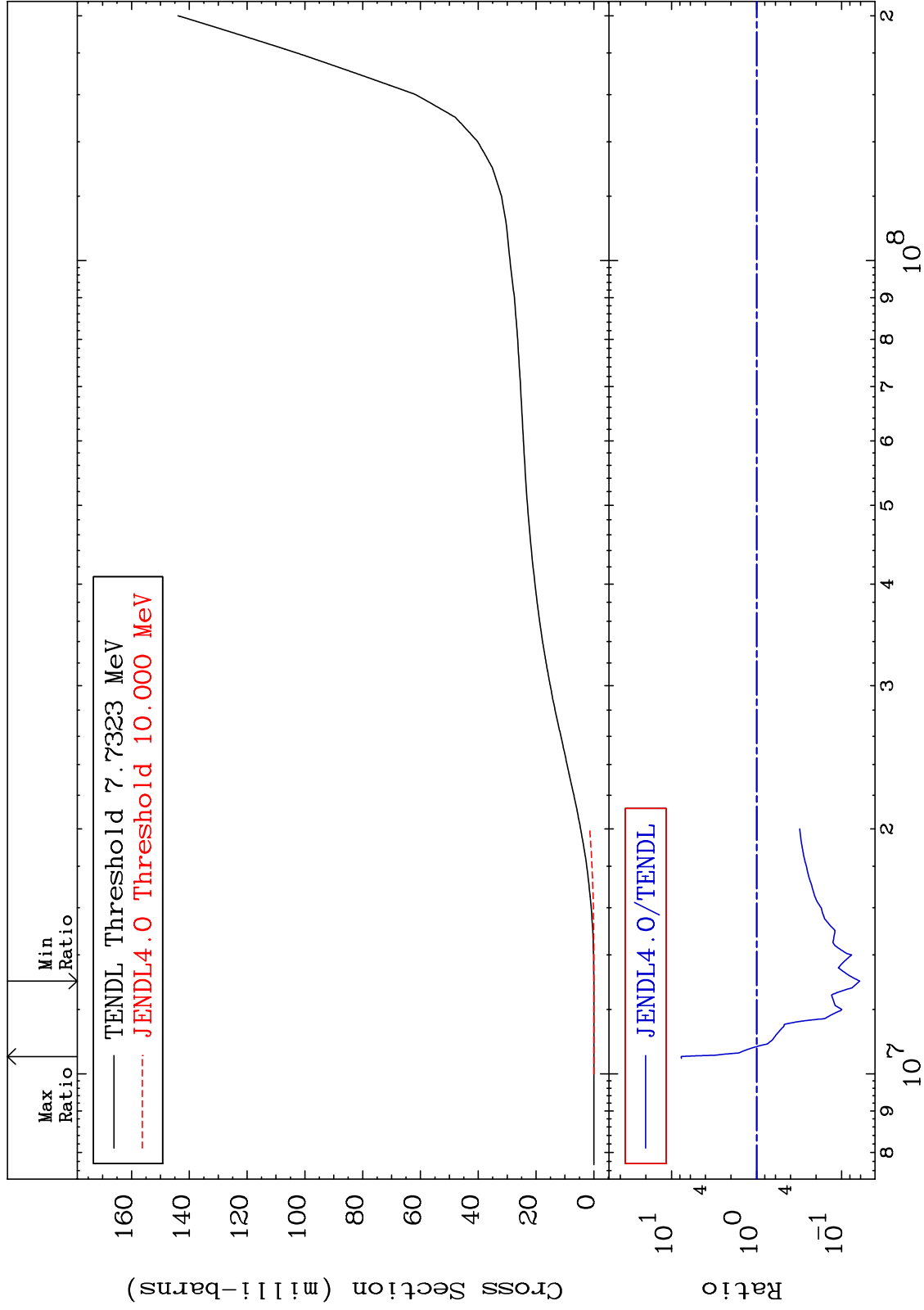
40-Zr-93



MAT 4034

Tritium Production
Cross Section

40-Zr-93
-93.87 To 668.7 %



47

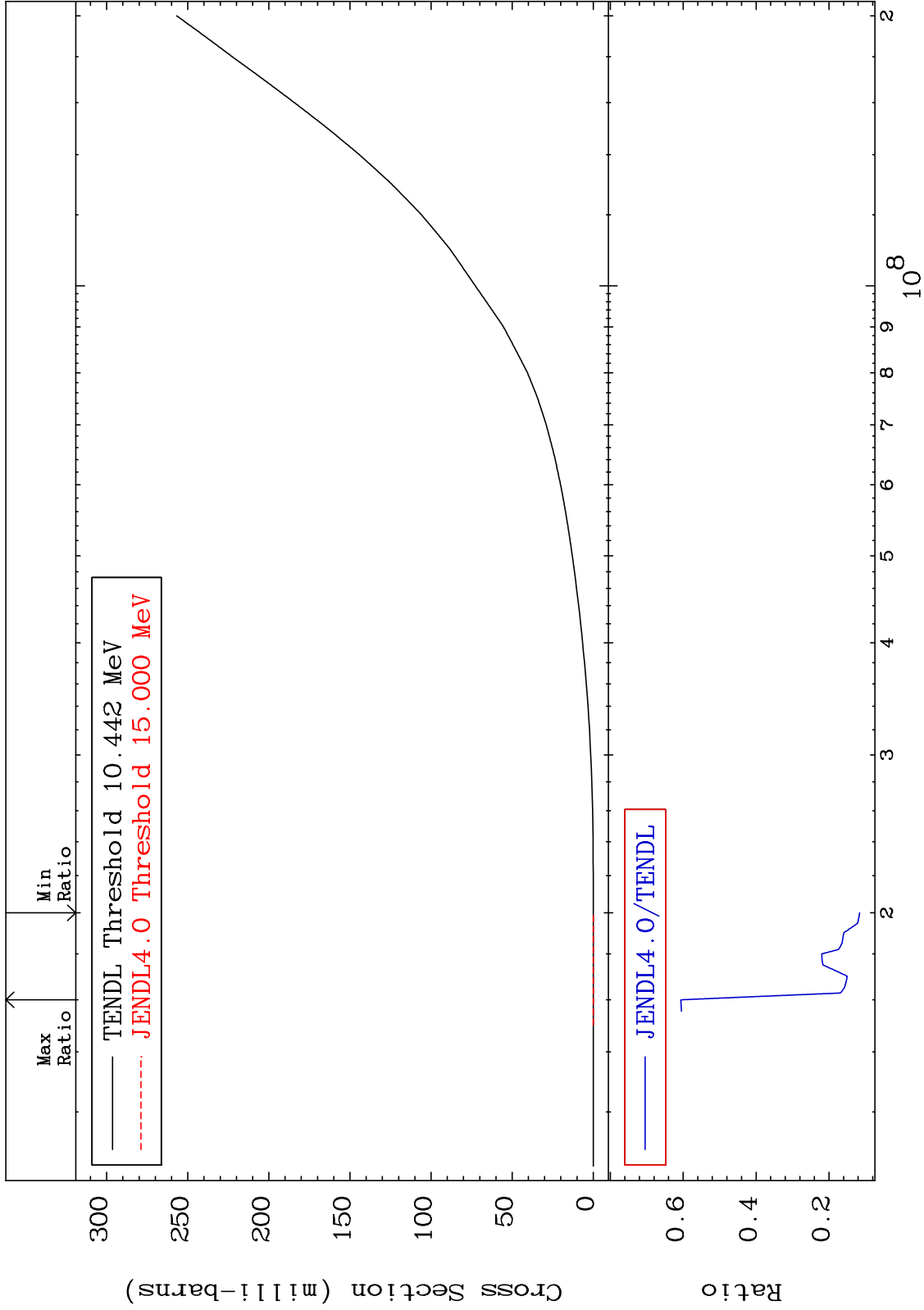
Incident Energy (eV)

40-Zr-93

MAT 4034

He-3 Production
Cross Section

40-Zr-93
-88.41 To -39.35%



48

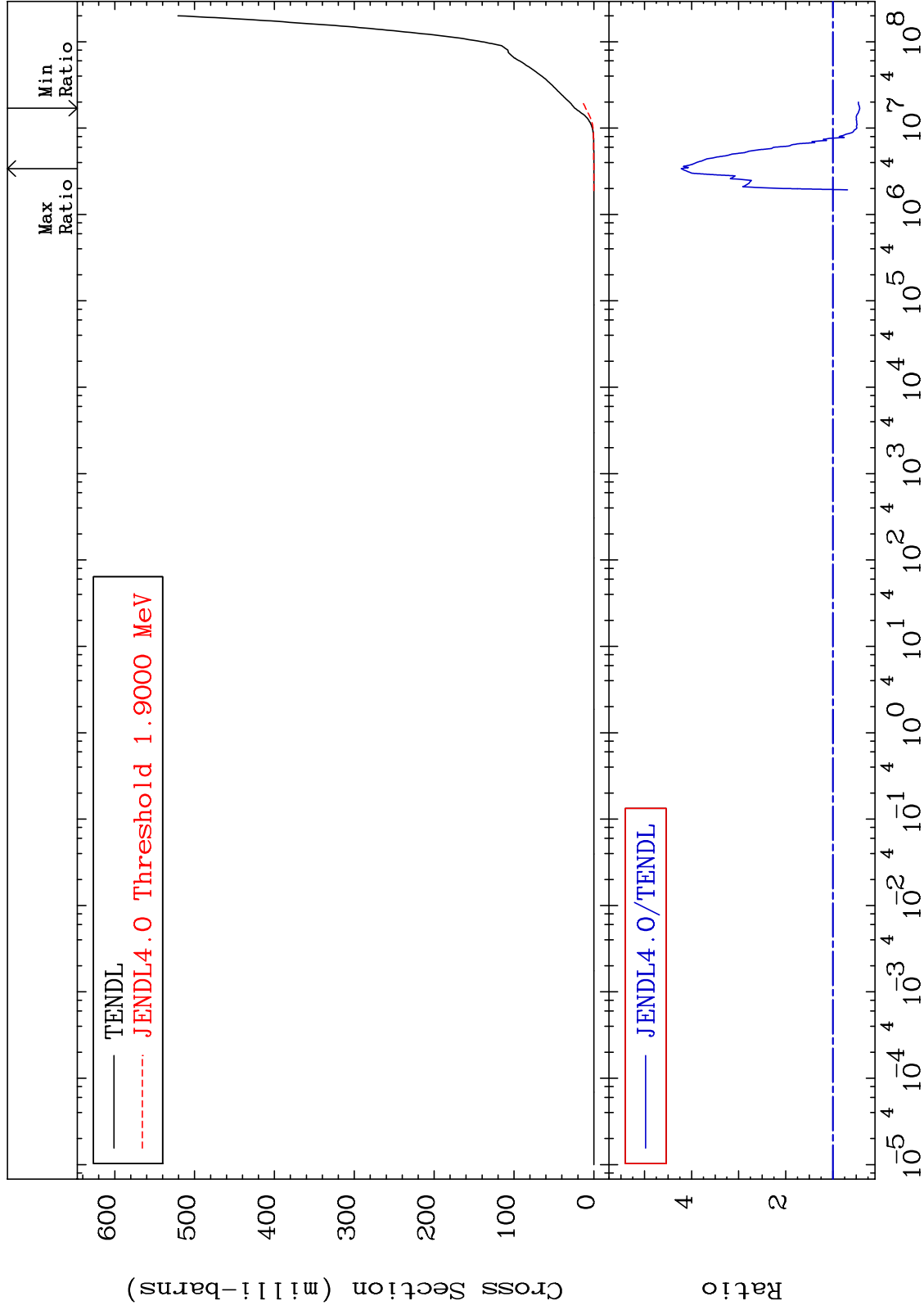
Incident Energy (eV)

40-Zr-93

MAT 4034

He-4 Production
Cross Section

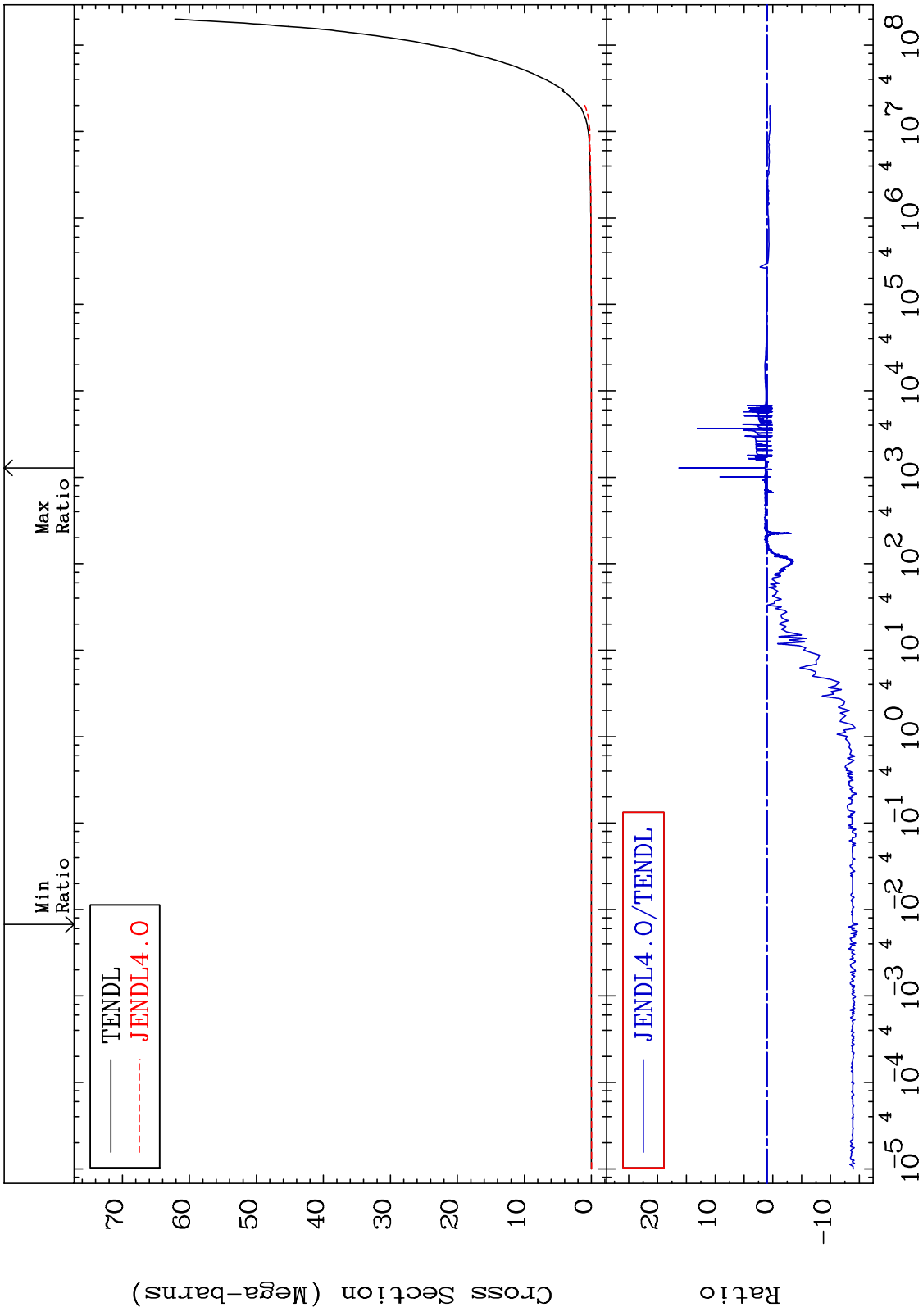
40-Zr-93
-57.29 To 322.0 %



49

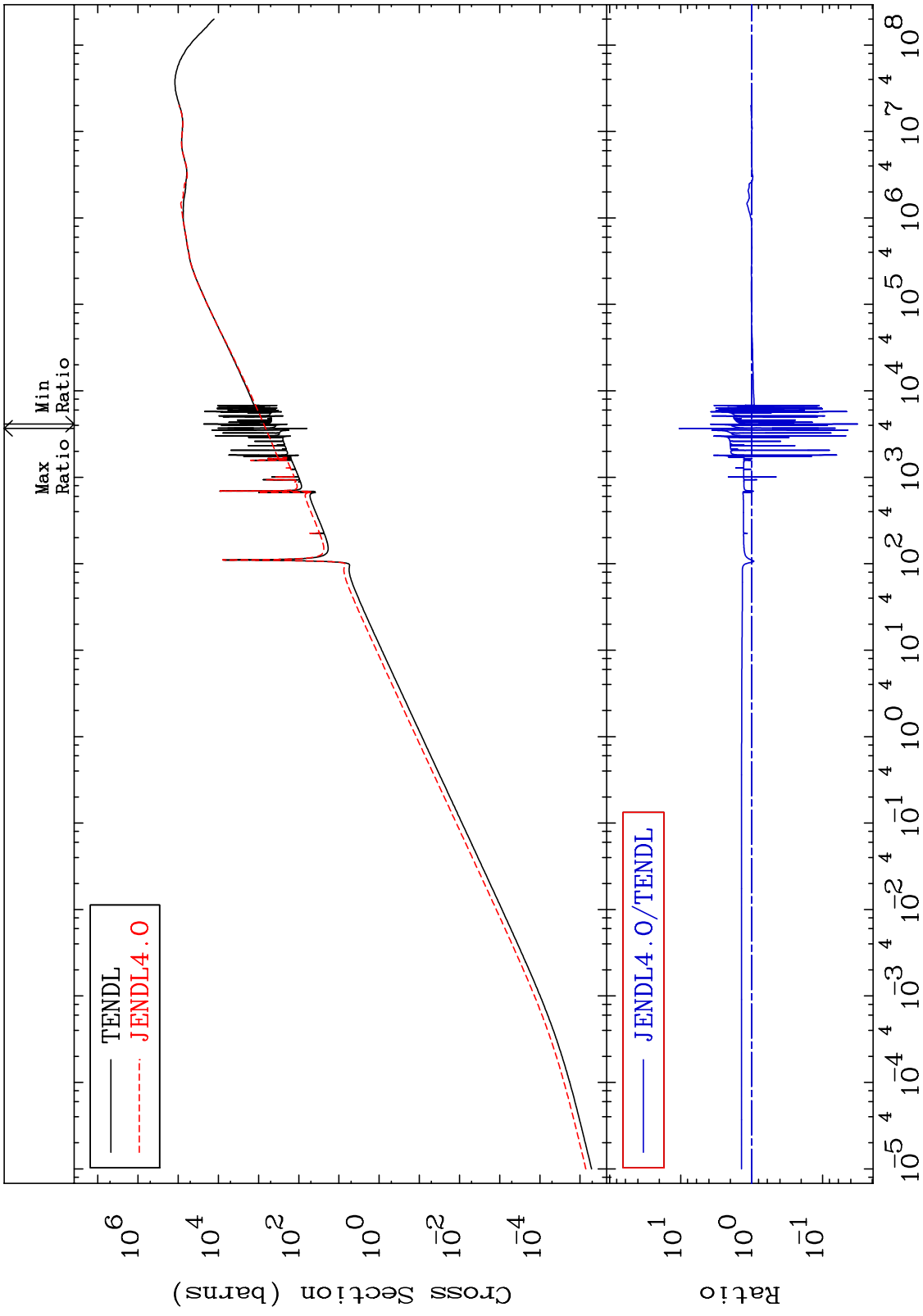
40-Zr-93

MAT 4034 Kerma total (eV-barns) 40-Zr-93
Cross Section -1575. To 1528. %



50 Incident Energy (eV) 40-Zr-93

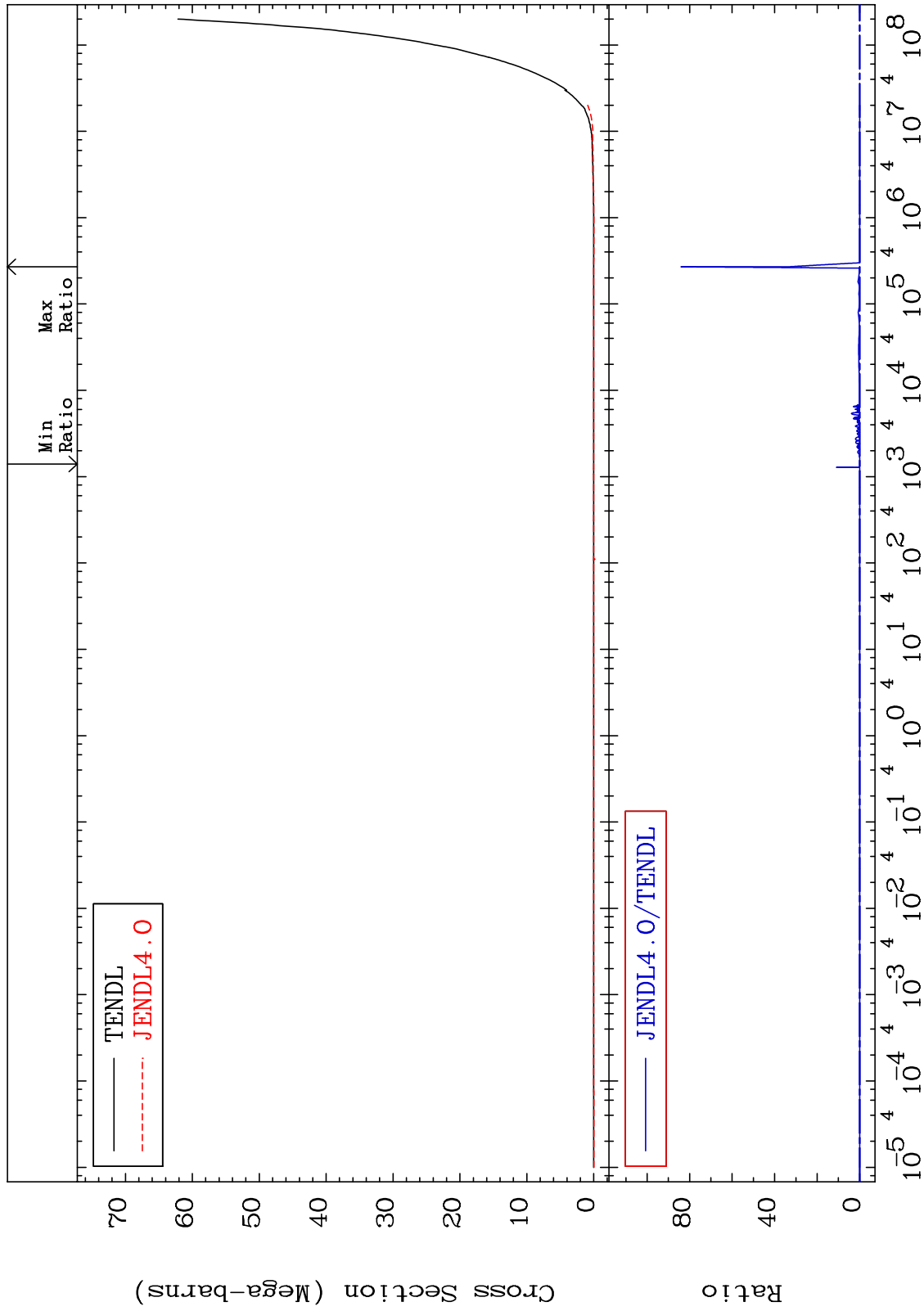
MAT 4034 Kerma elastic Cross Section 40-Zr-93
 -96.81 To 953.9 %

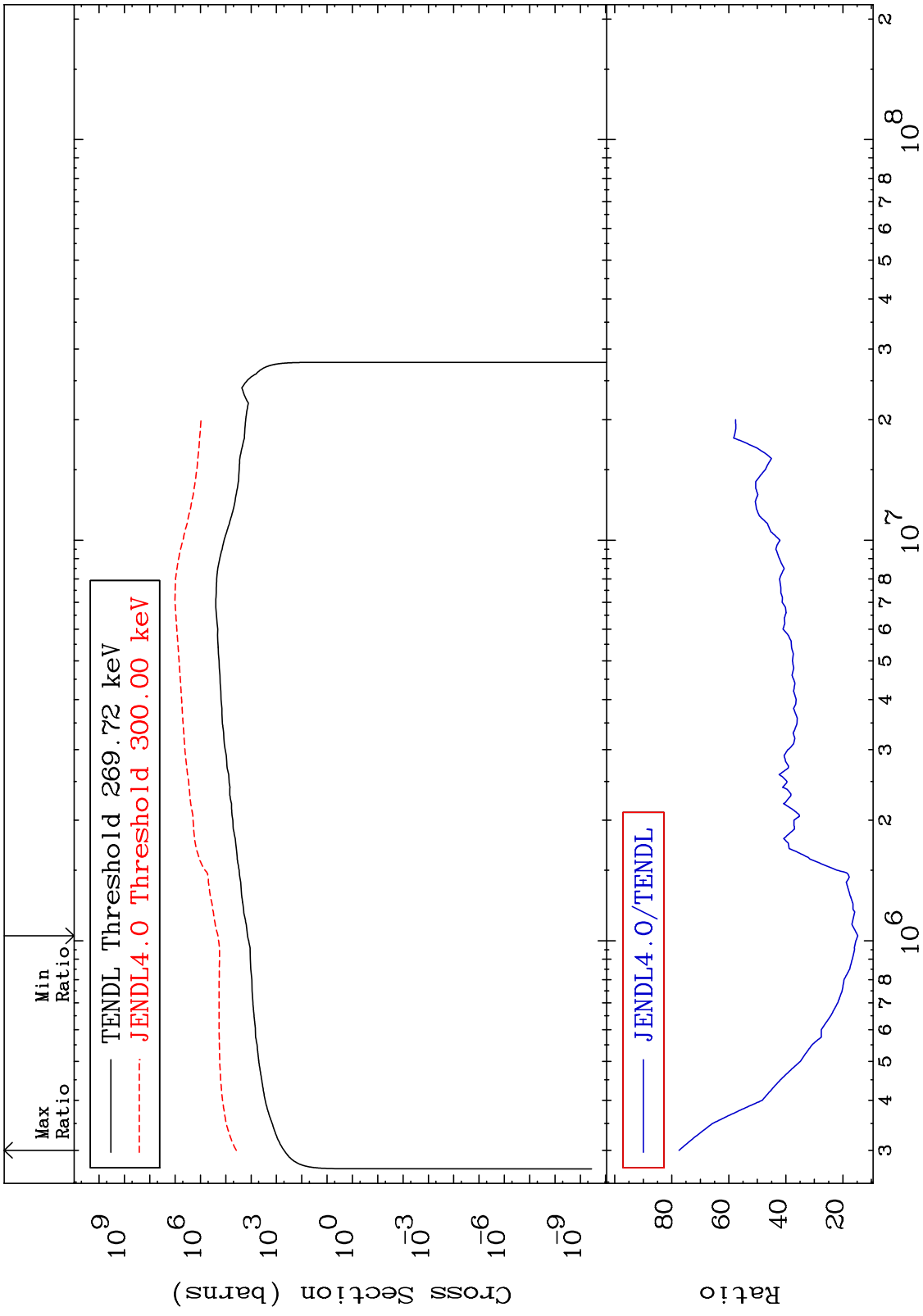


MAT 4034

Kerma non-elastic (all but mt.2)
Cross Section

40-Zr-93
-4145. To 9999. %

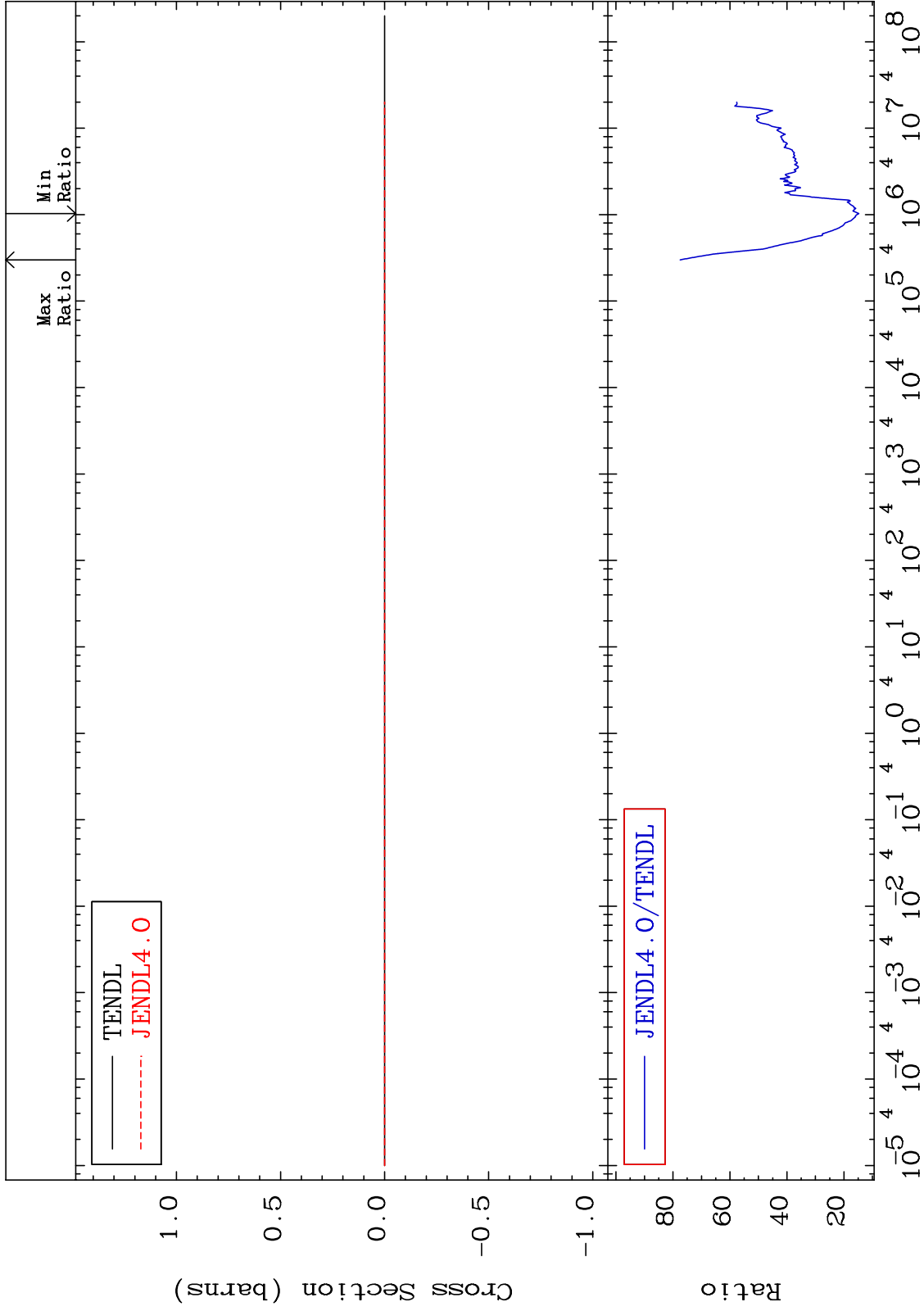




MAT 4034

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

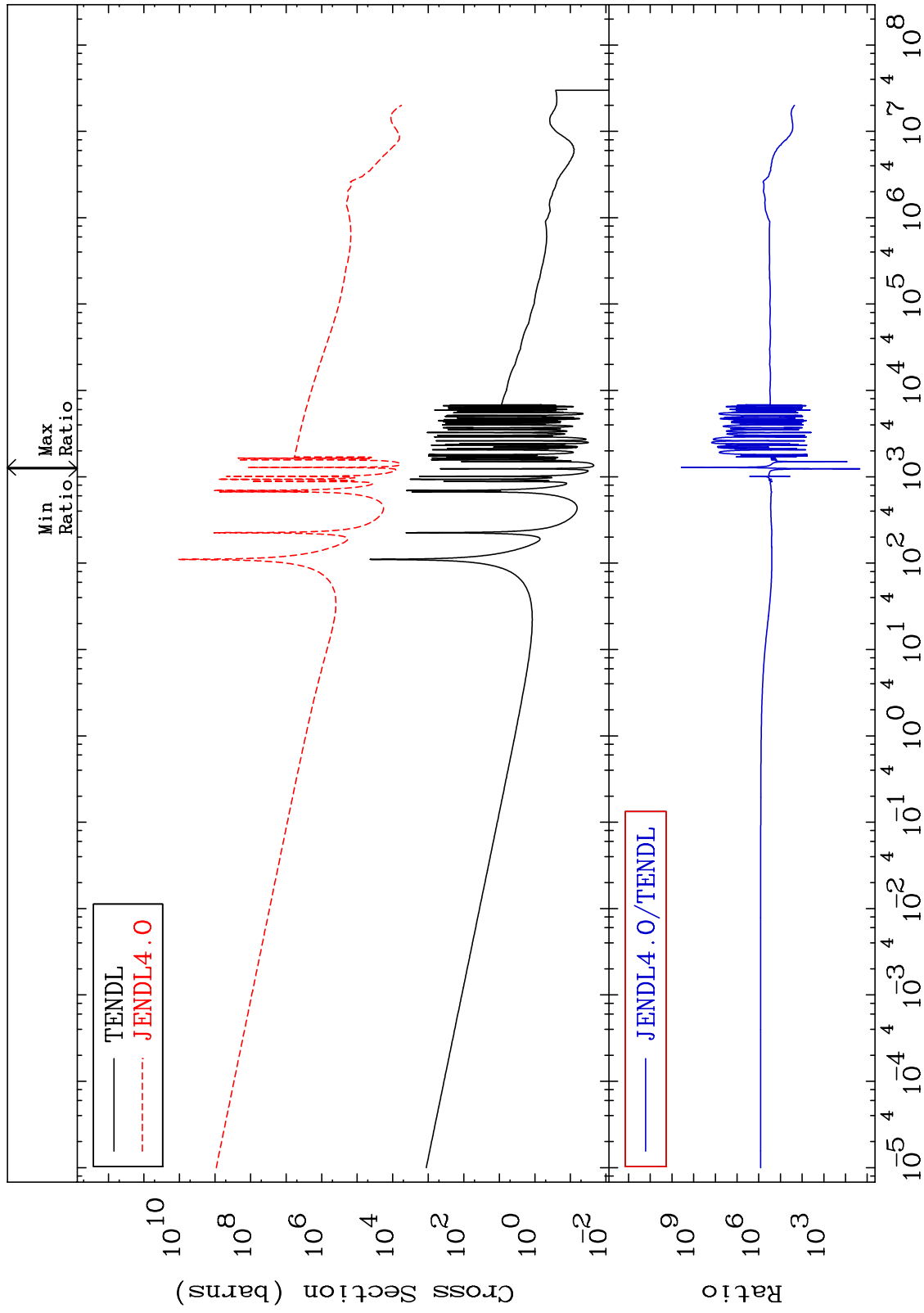
40-Zr-93
1375. To 7645. %



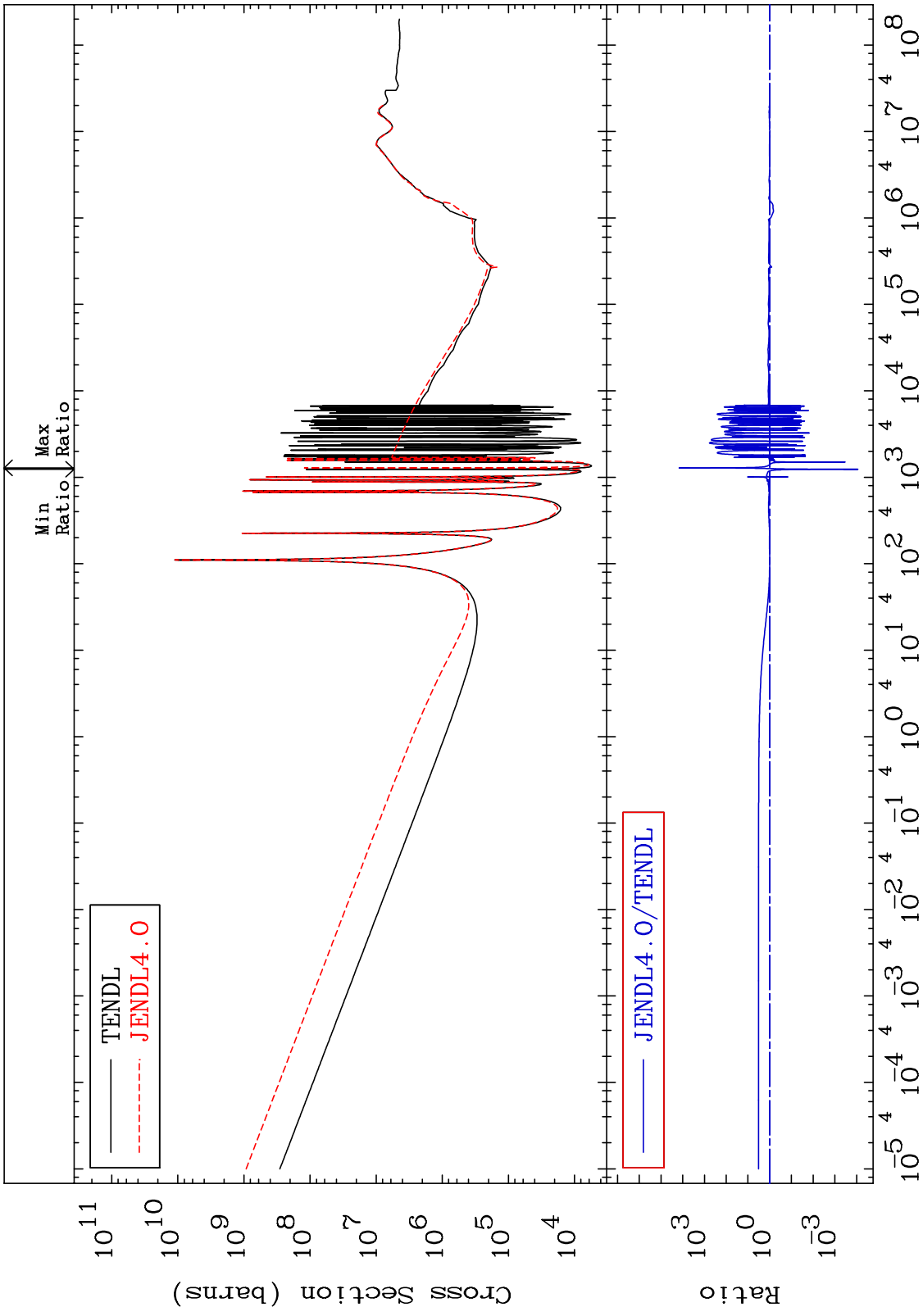
MAT 4034

Kerma capture (mt102)
Cross Section

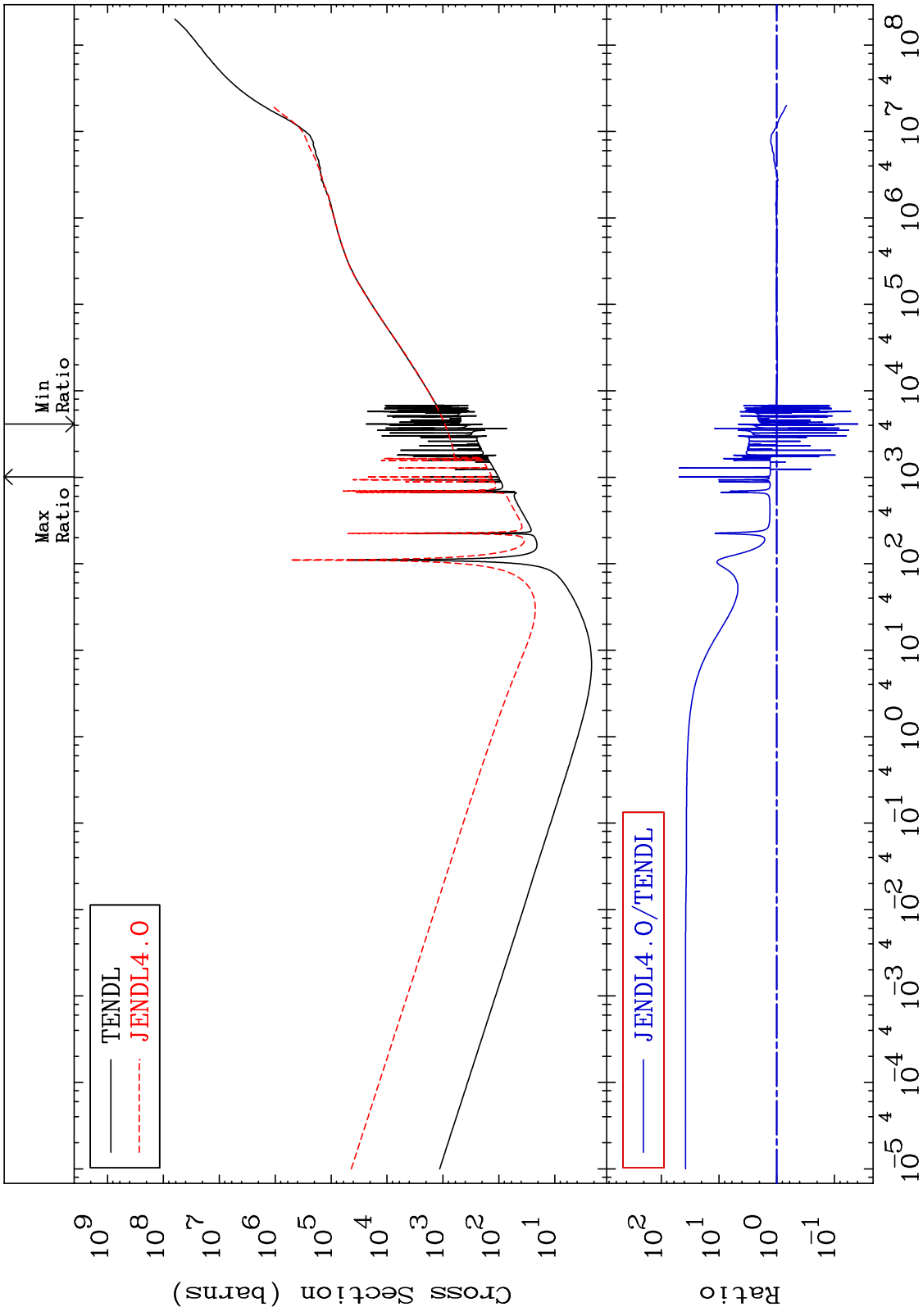
40-Zr-93
2112. To 9999. %



MAT 4034 40-Zr-93
 Total photon (eV-barns) Cross Section -99.99 To 9999. %



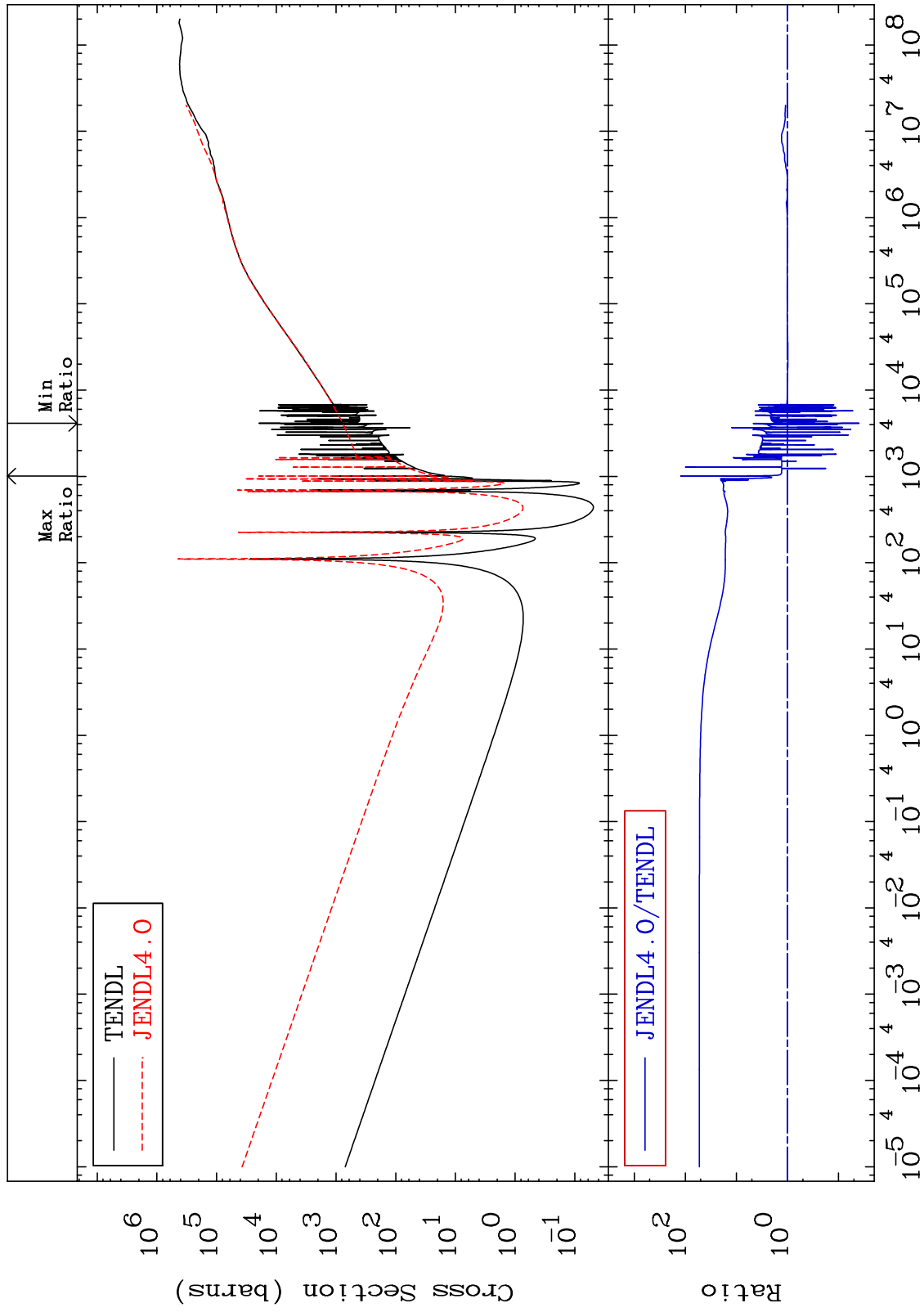
MAT 4034 Total kinematic kerma (high limit) 40-Zr-93
 Cross Section -96.06 To 4812. %



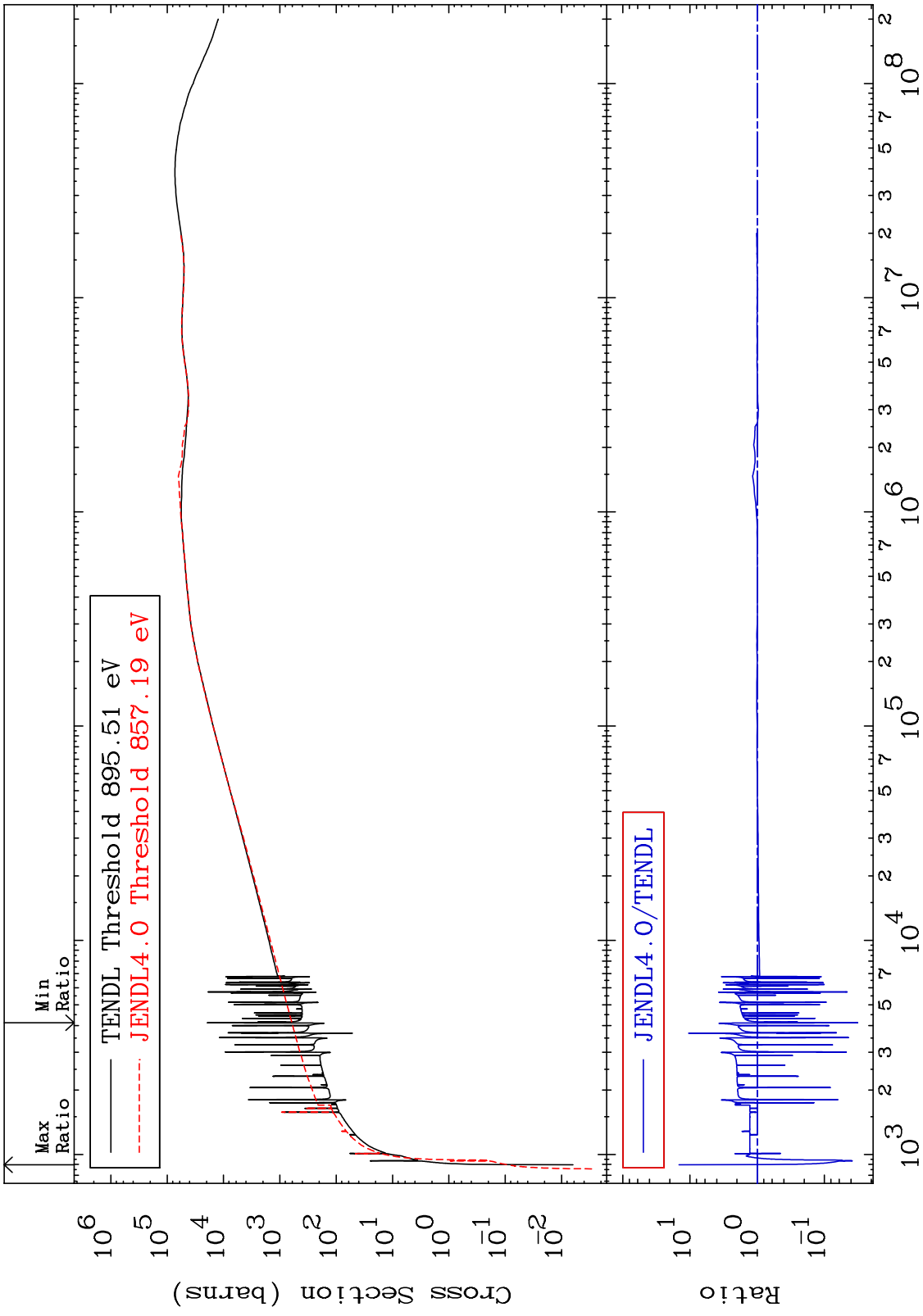
MAT 4034

Dpa total (eV-barns)
Cross Section

40-Zr-93
-96.03 To 9999. %



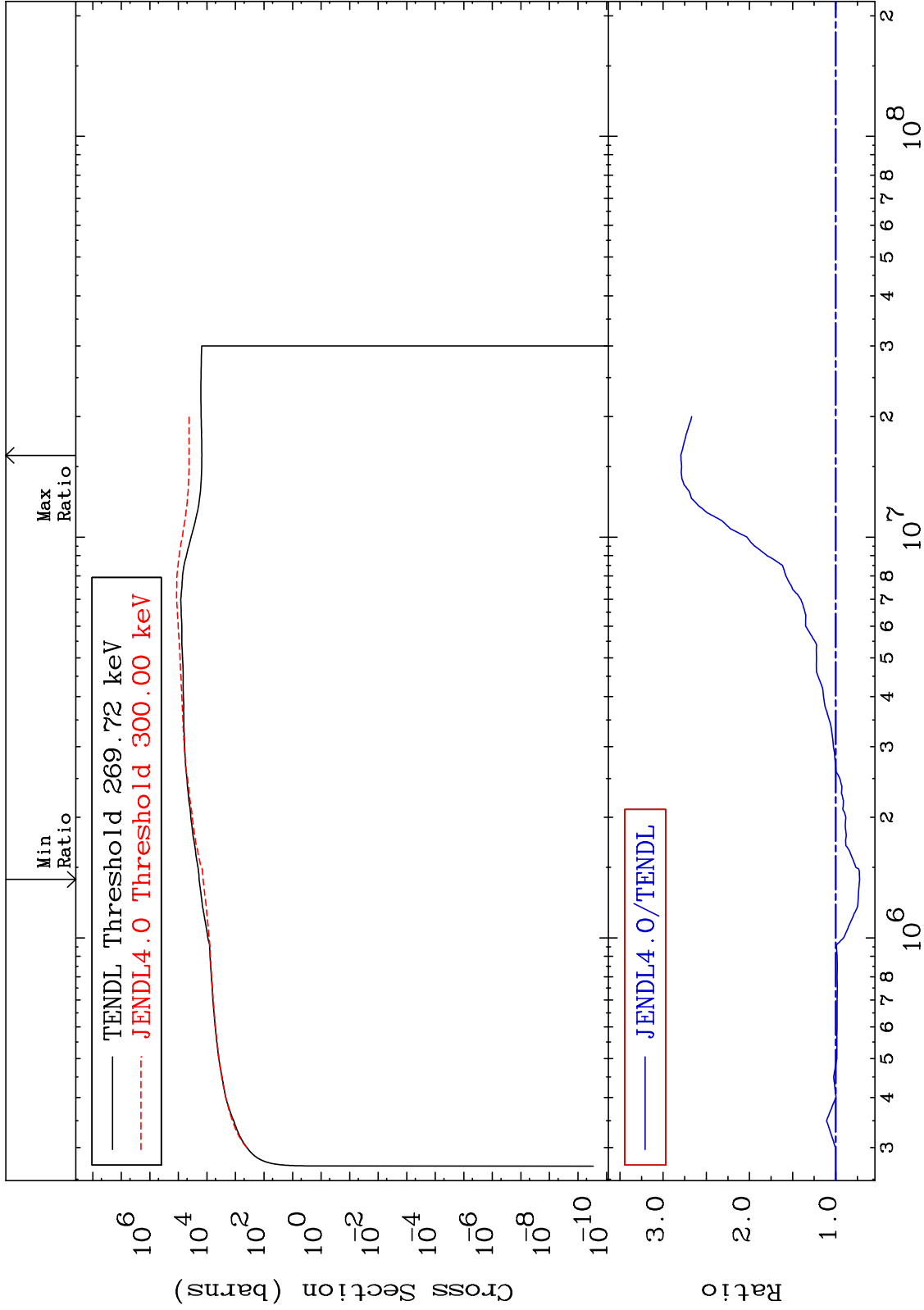
MAT 4034 40-Zr-93
Dpa elastic (mt2) -96.82 To 1356. %
Cross Section



MAT 4034

Dpa inelastic (mt51-91)
Cross Section

40-Zr-93
-27.66 To 179.5 %



60

40-Zr-93

40-Zr-93

MAT 4034

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-93
-99.85 To 9999. %

