

Program Complot
(Version 2018-1)

by

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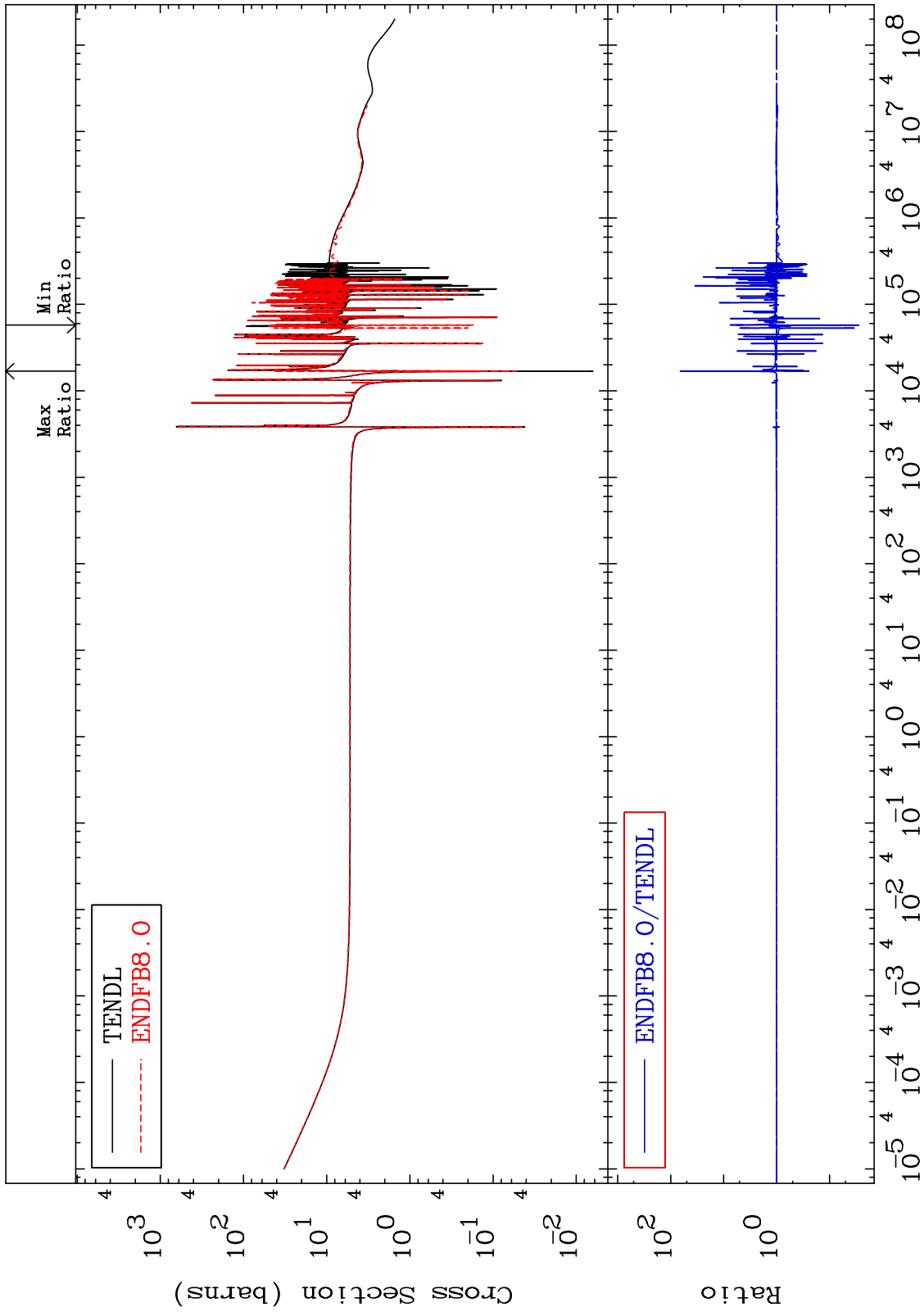
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4025

Total
Cross Section

40-Zr-90
-97.19 To 6499. %



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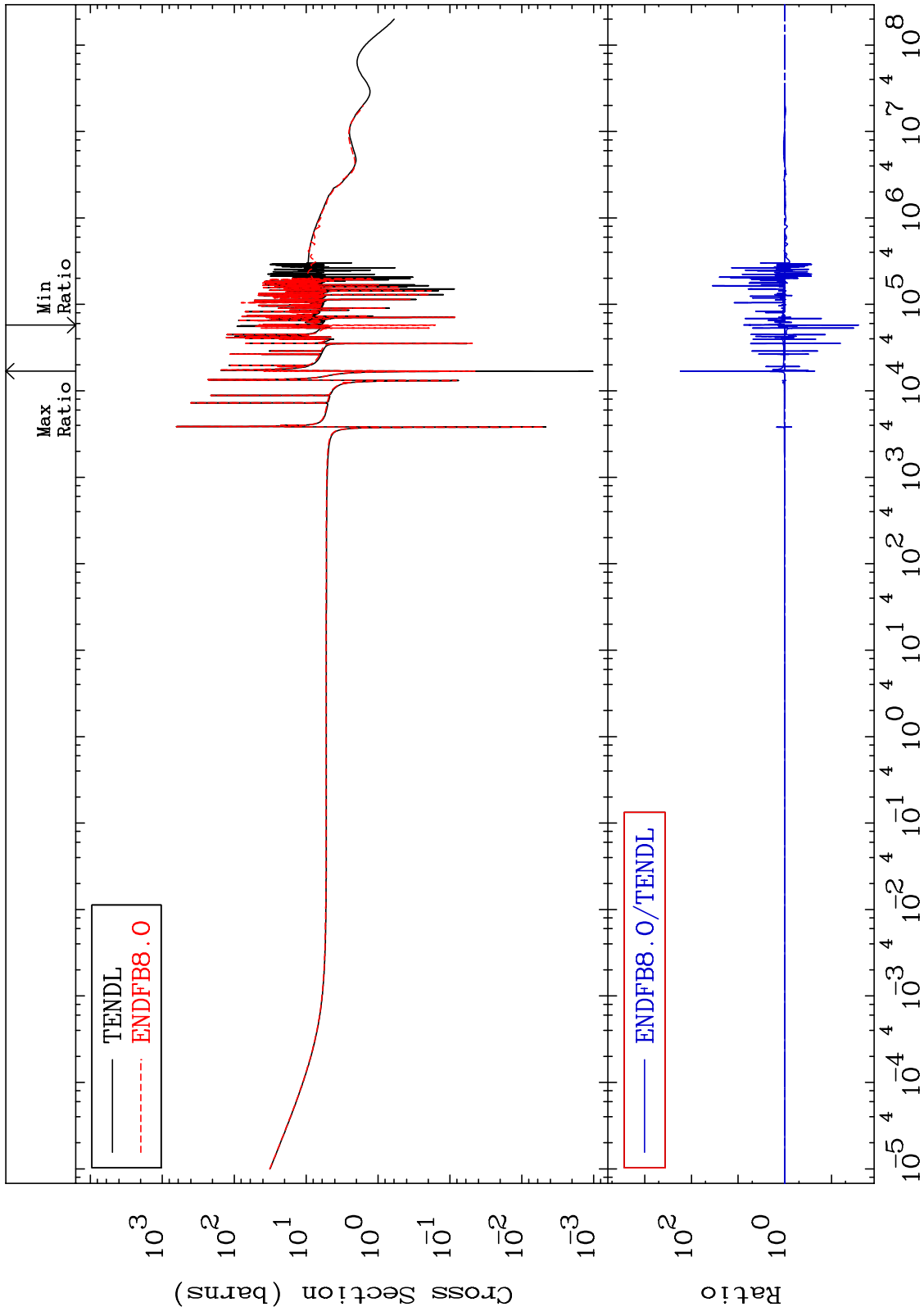
Incident Energy (eV)

40-Zr-90

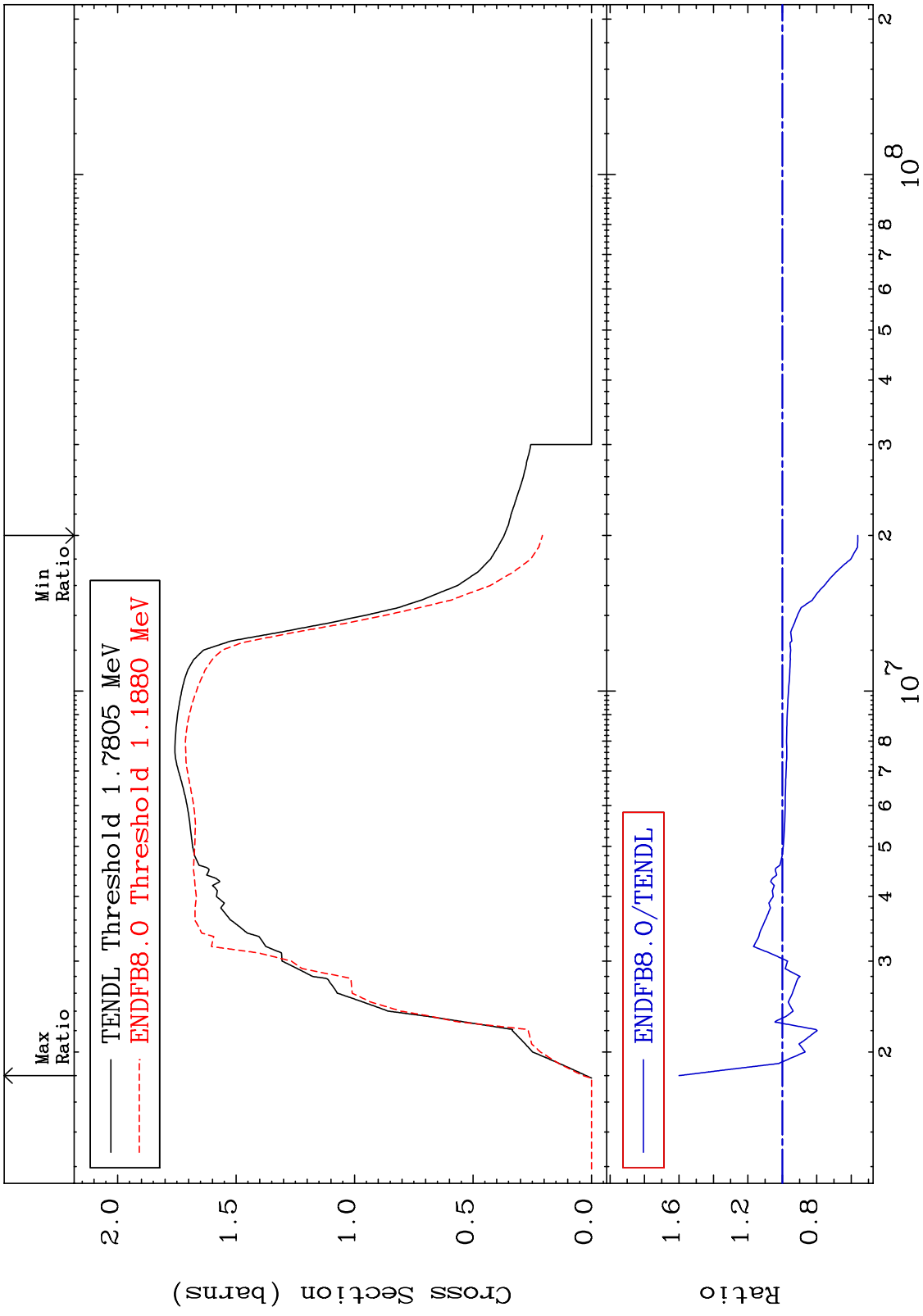
MAT 4025

Elastic
Cross Section

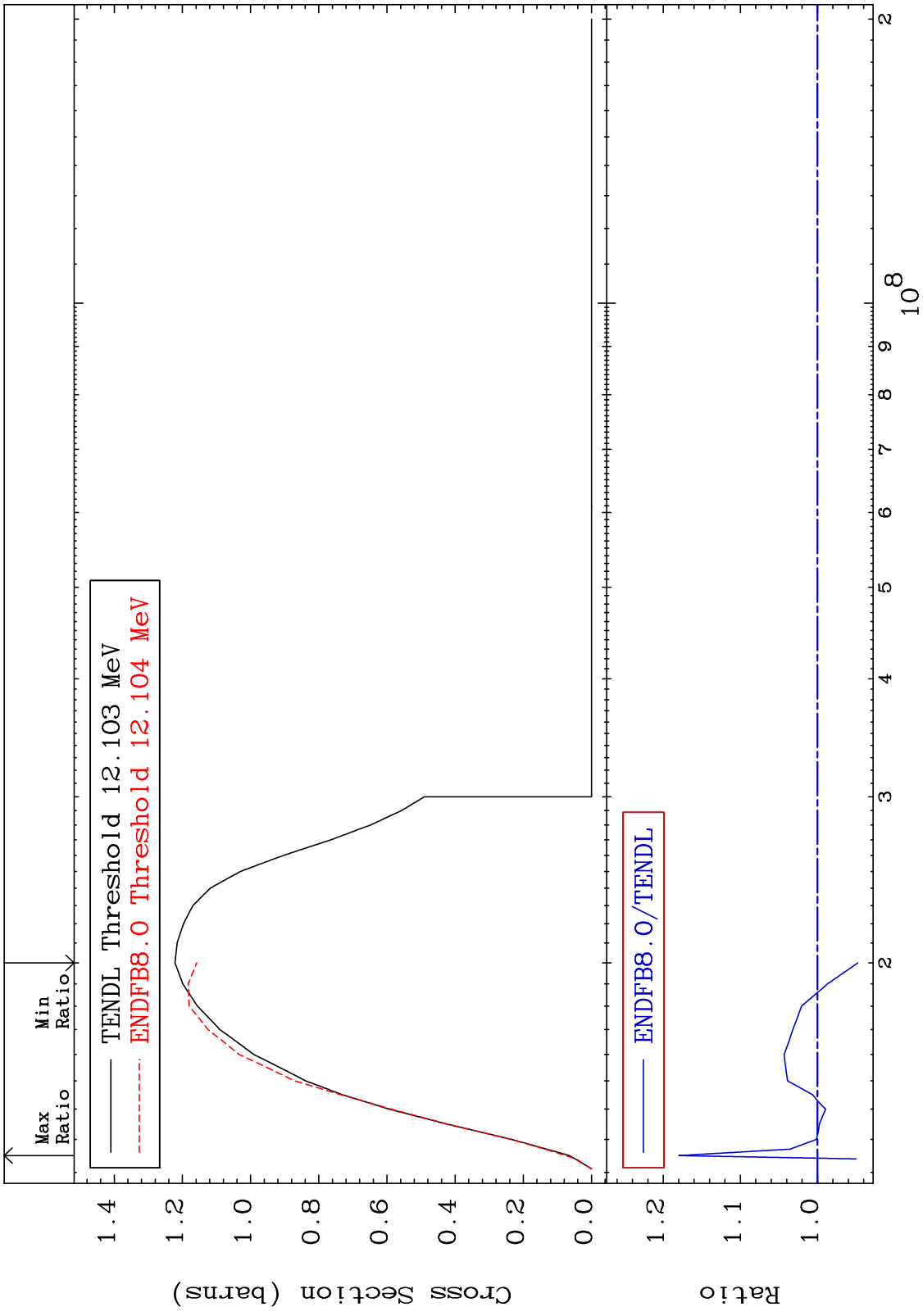
40-Zr-90
-97.40 To 9999. %



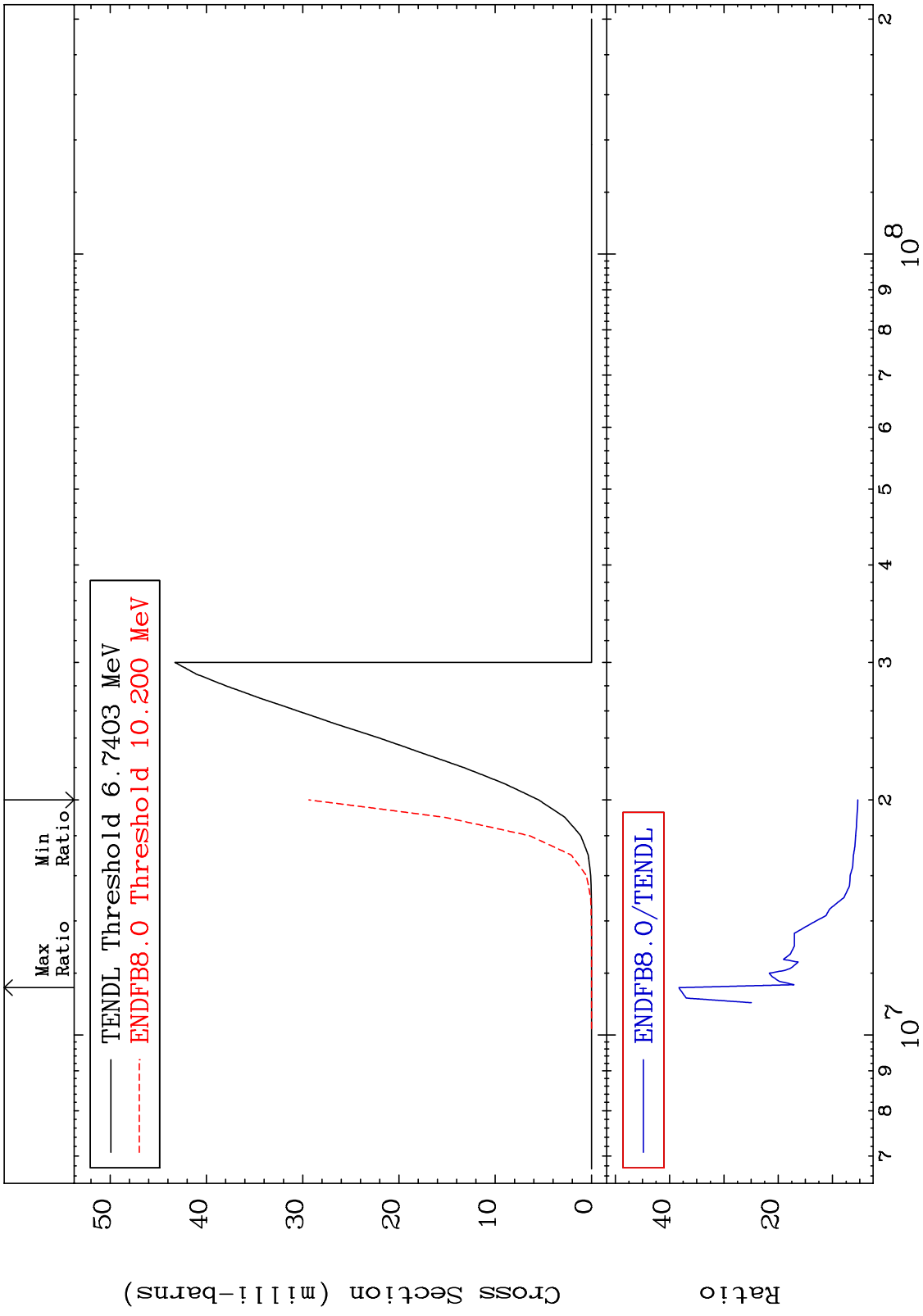
MAT 4025 Inelastic Cross Section 40-Zr-90 -43.81 To 59.94 %



MAT 4025 (n,2n) Cross Section 40-Zr-90 -5.238 To 17.96 %

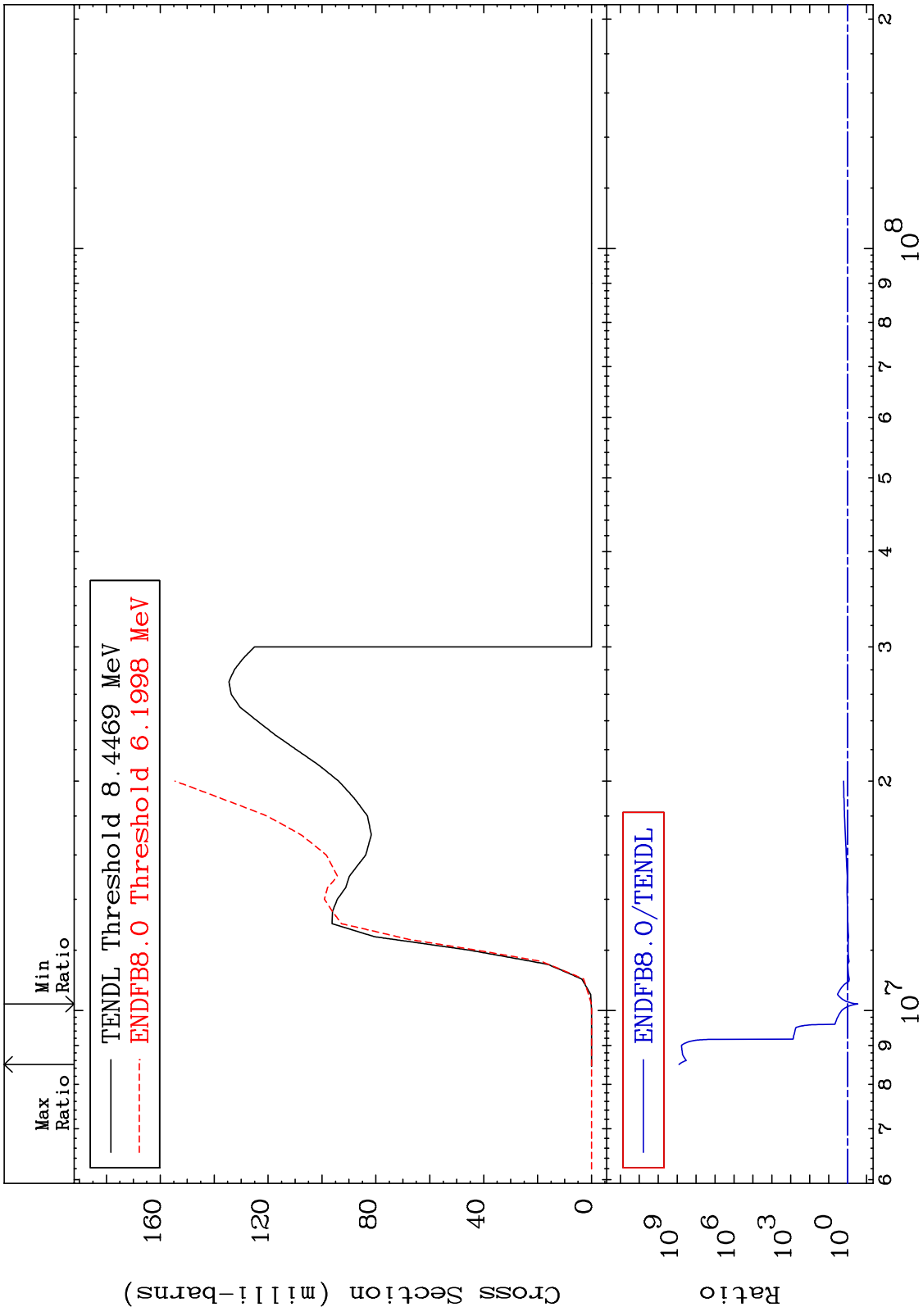


MAT 4025 $(n, n') \alpha$ Cross Section 40-Zr-90 433.8 To 3727. %

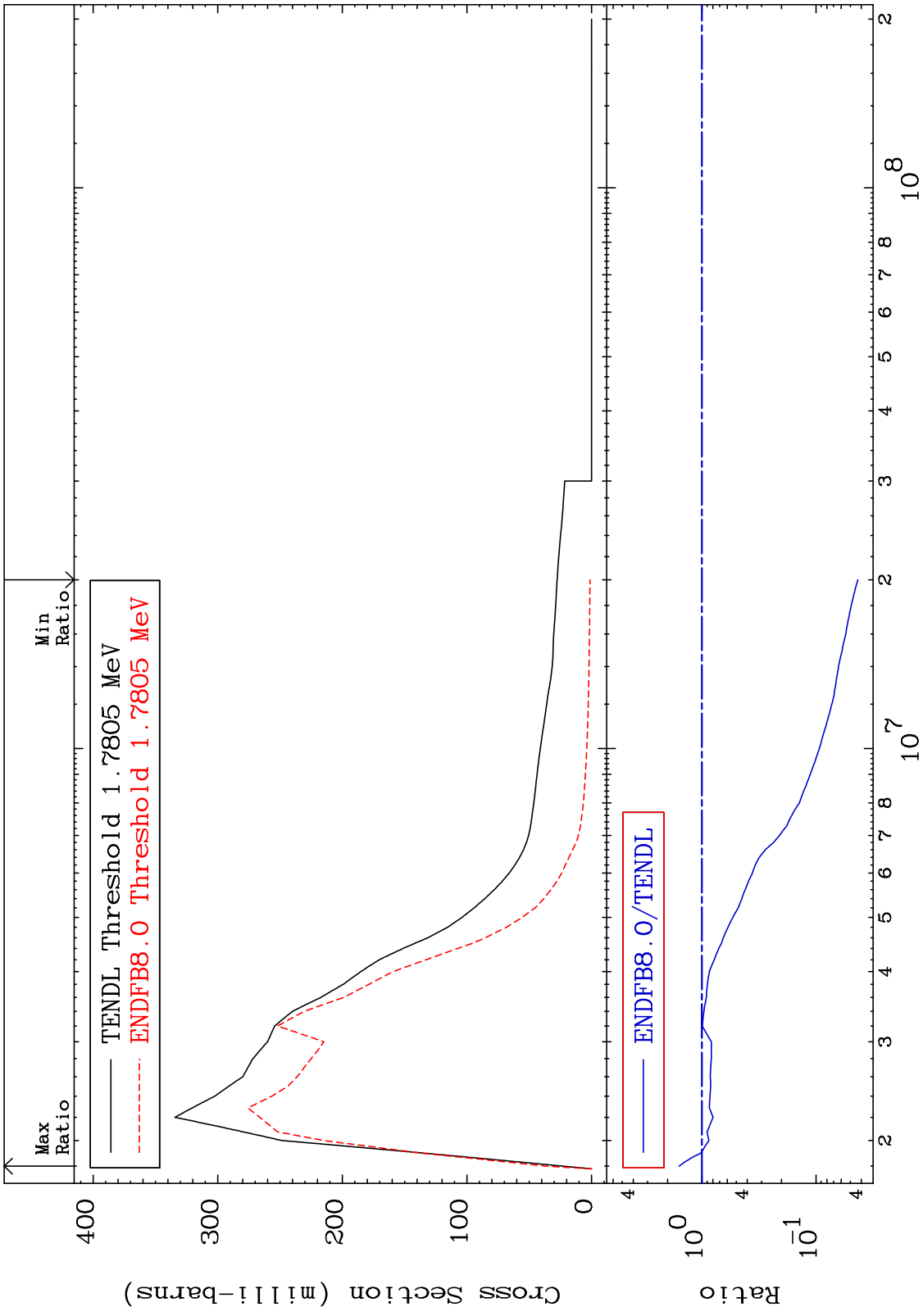


5 Incident Energy (eV) 40-Zr-90

MAT 4025 (n,n') p 40-Zr-90
Cross Section -71.21 To 9999. %

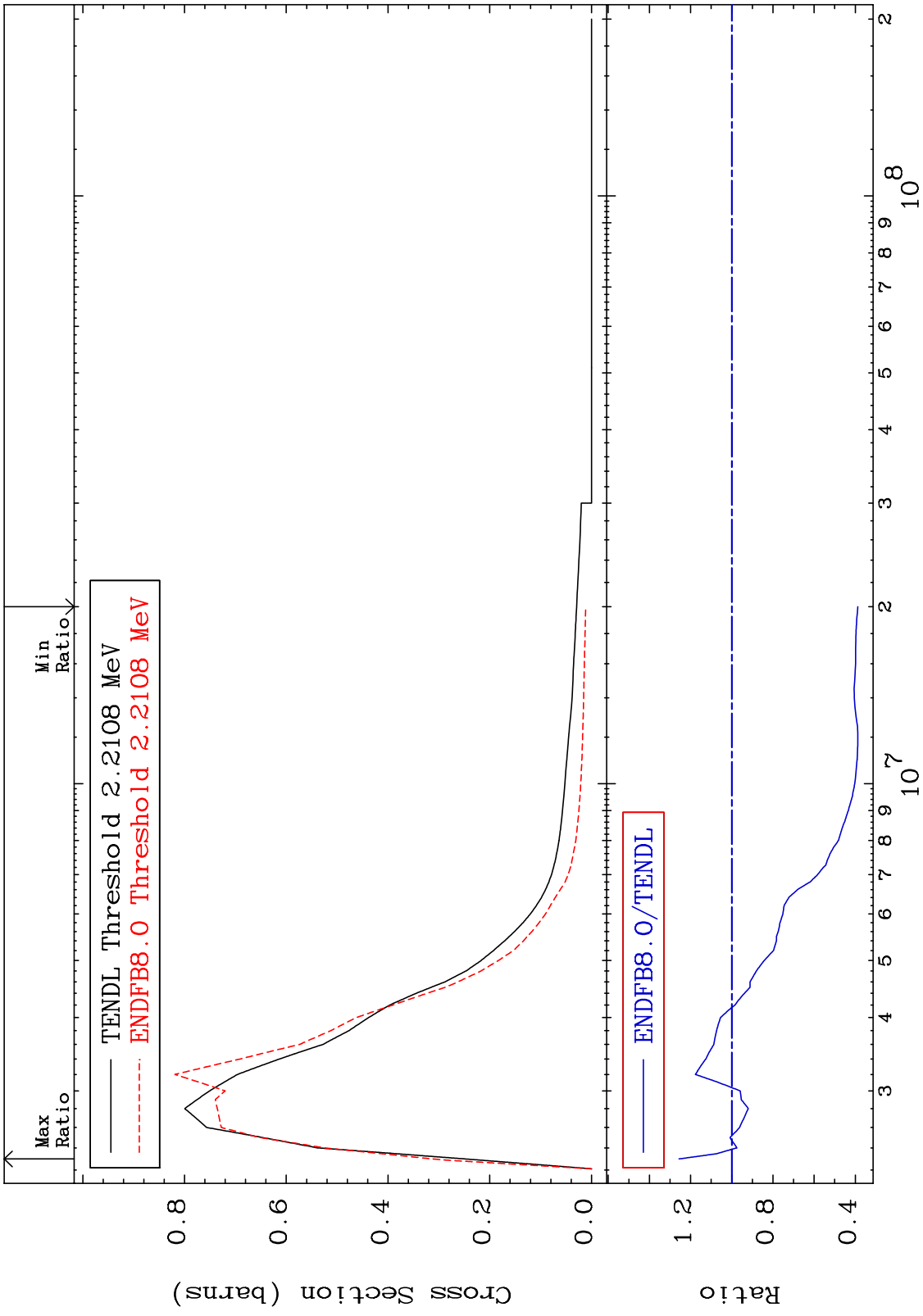


MAT 4025 MT= 51 (n,n') Level Cross Section 40-Zr-90 -95.71 To 58.60 %

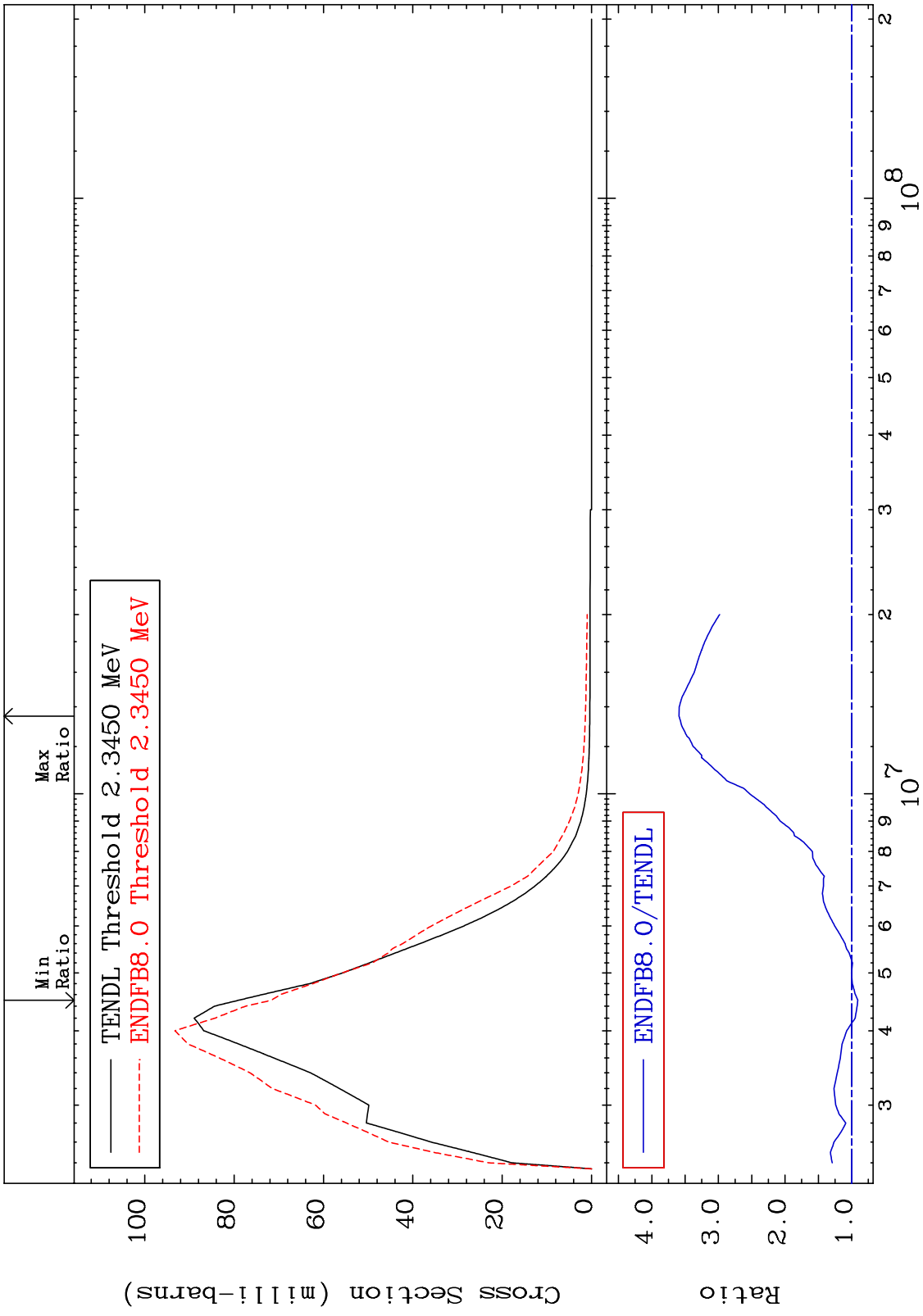


7 Incident Energy (eV) 40-Zr-90

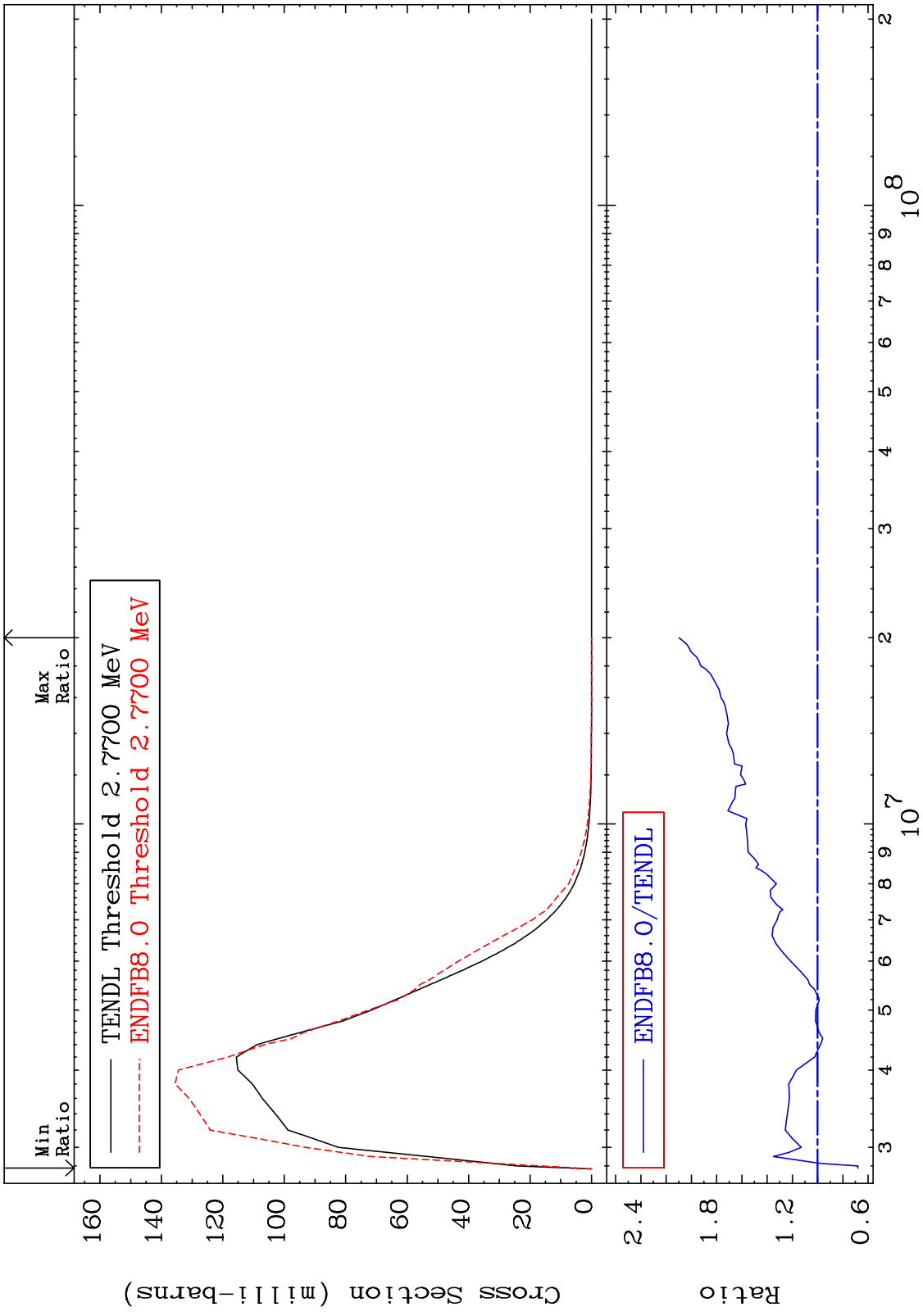
MAT 4025 MT= 52 (n,n') Level Cross Section 40-Zr-90 -61.23 To 25.62 %



MAT 4025 MT= 53 (n,n') Level Cross Section 40-Zr-90
 -9.295 To 259.1 %

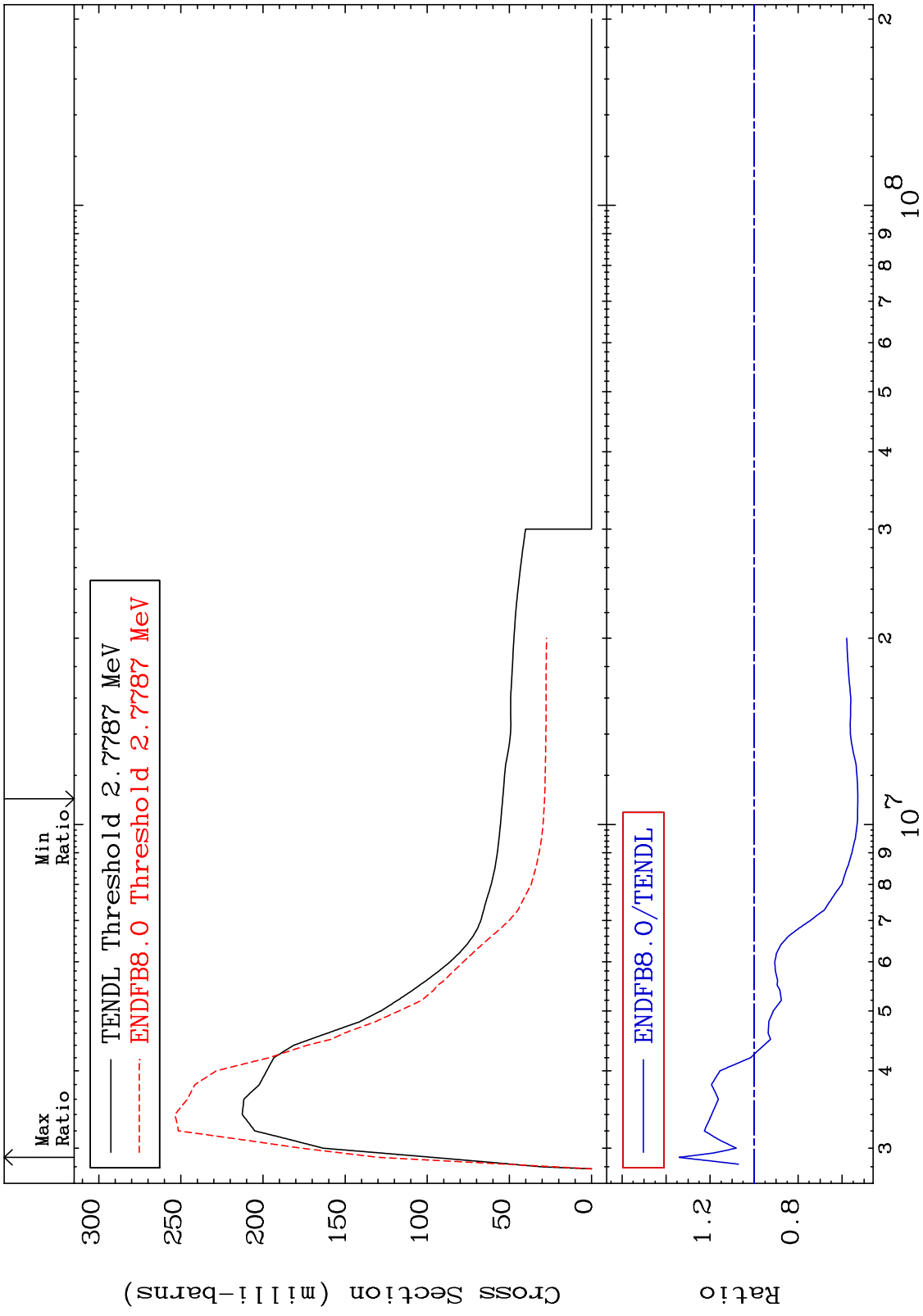


MAT 4025 MT= 54 (n,n') Level Cross Section 40-Zr-90 -31.88 To 109.8 %

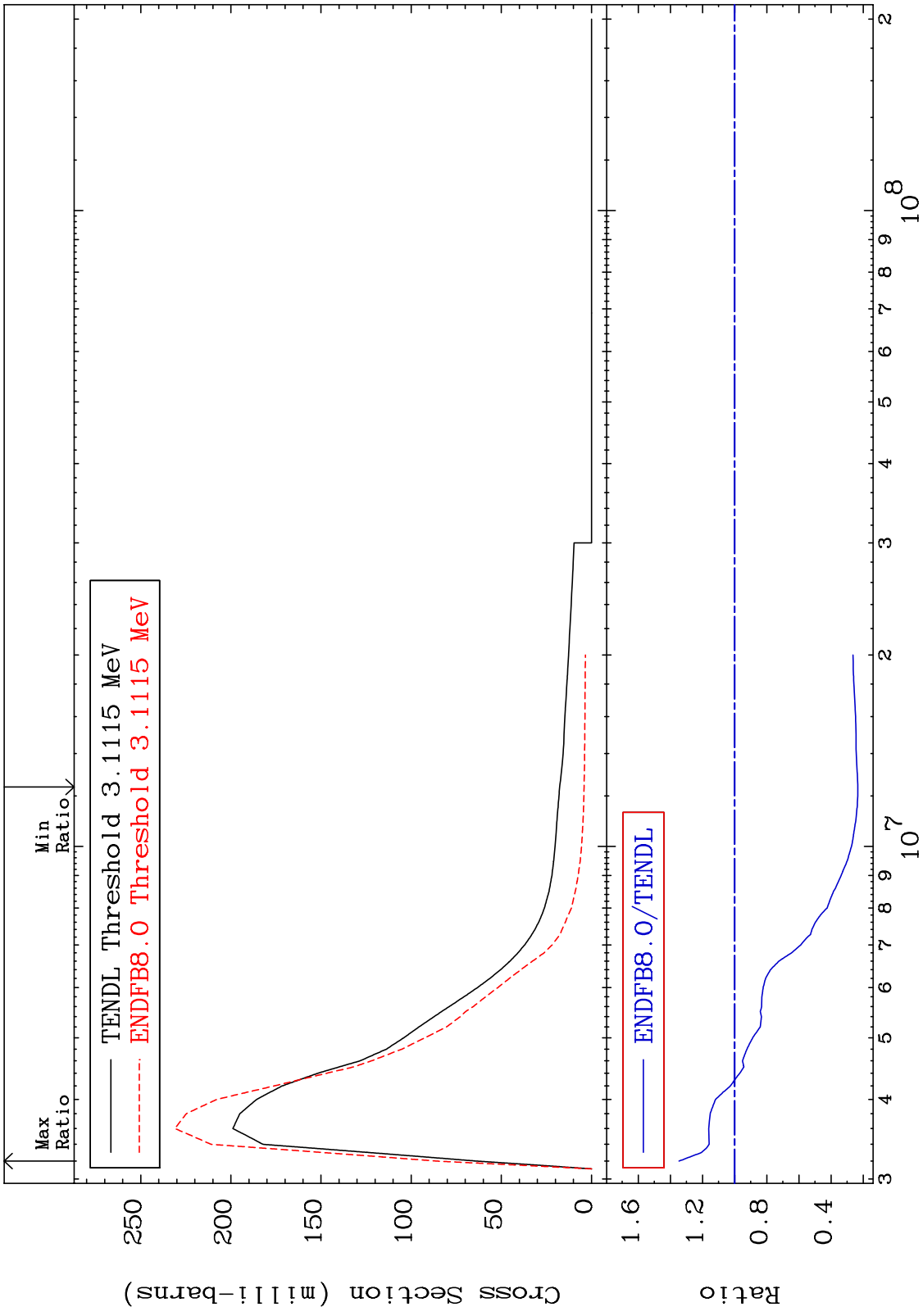


10 Incident Energy (eV) 40-Zr-90

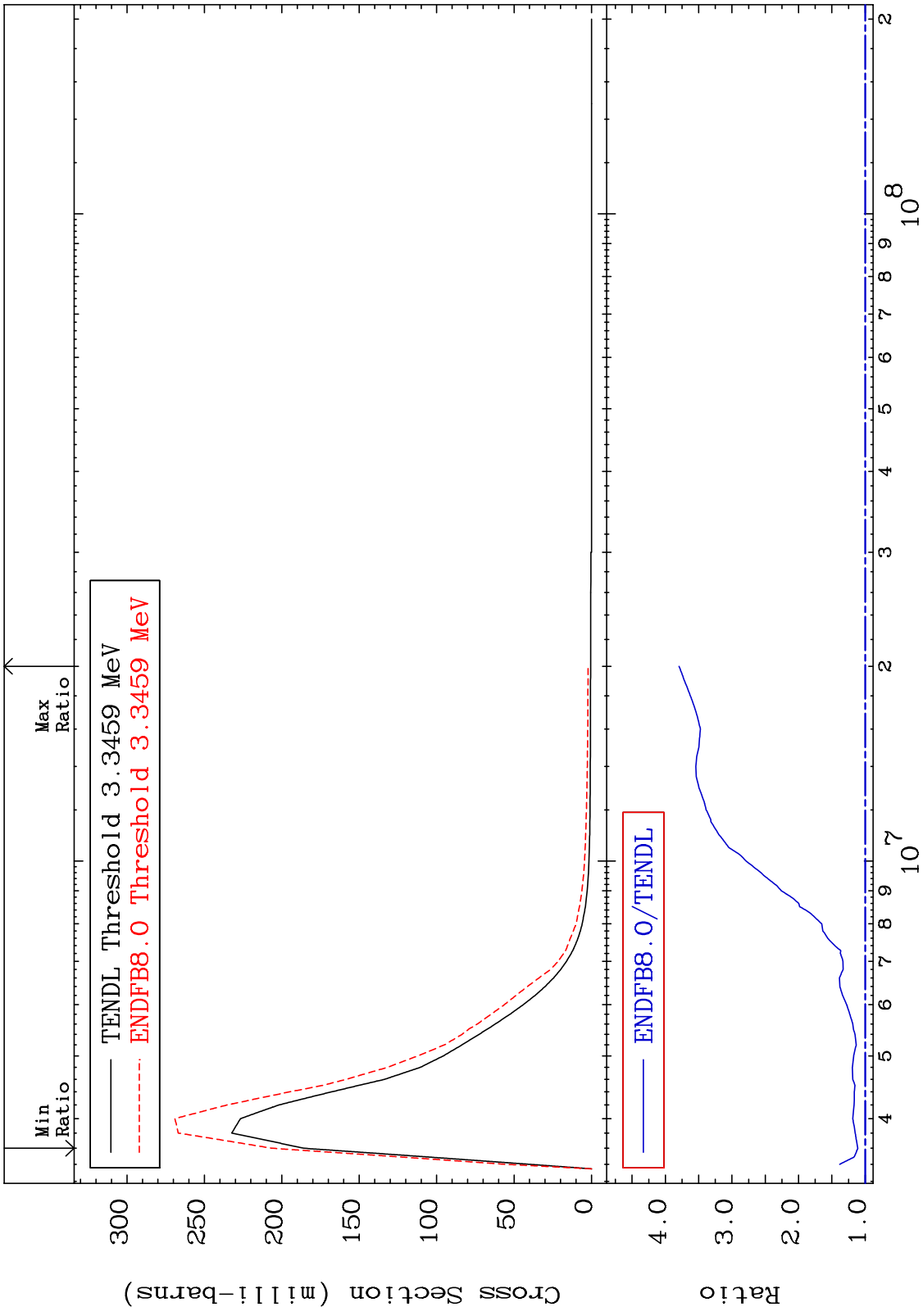
MAT 4025 MT= 55 (n,n') Level Cross Section -47.16 To 34.11 % 40-Zr-90



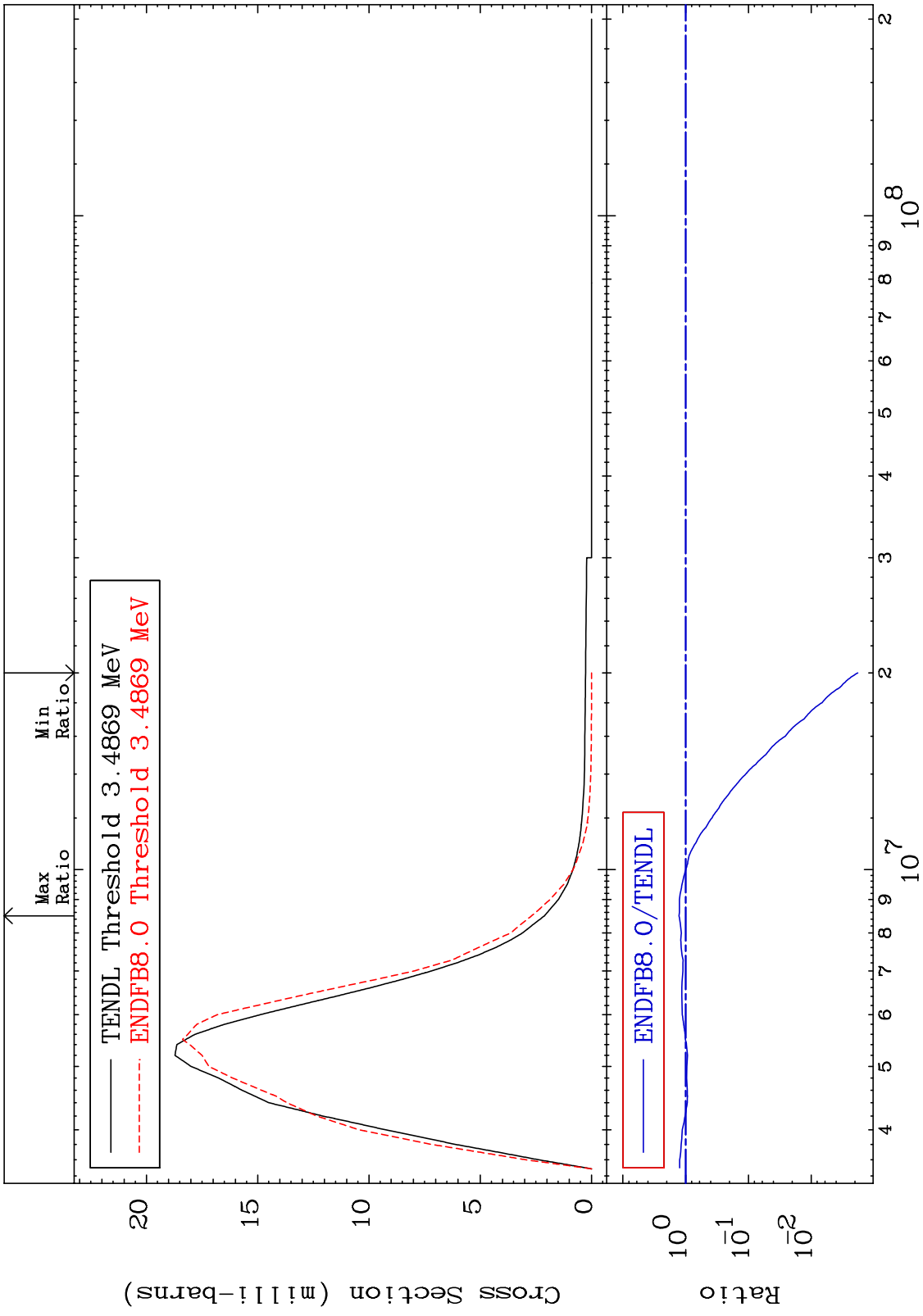
MAT 4025 MT= 56 (n,n') Level Cross Section -76.69 To 34.59 % 40-Zr-90



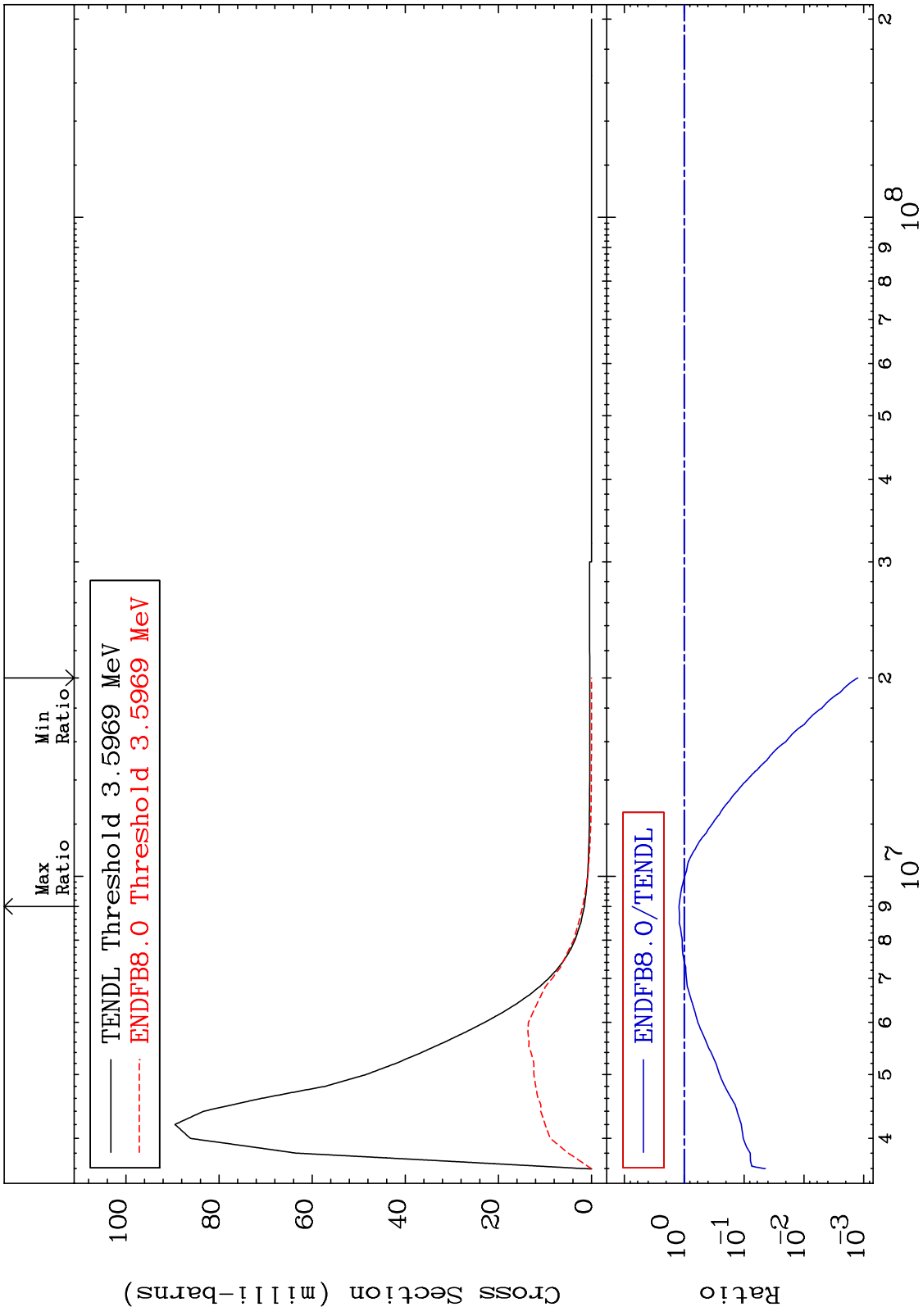
MAT 4025 MT= 57 (n,n') Level Cross Section 11.00 To 279.5 % 40-Zr-90



MAT 4025 MT= 58 (n,n') Level Cross Section 40-Zr-90
 -99.82 To 27.41 %



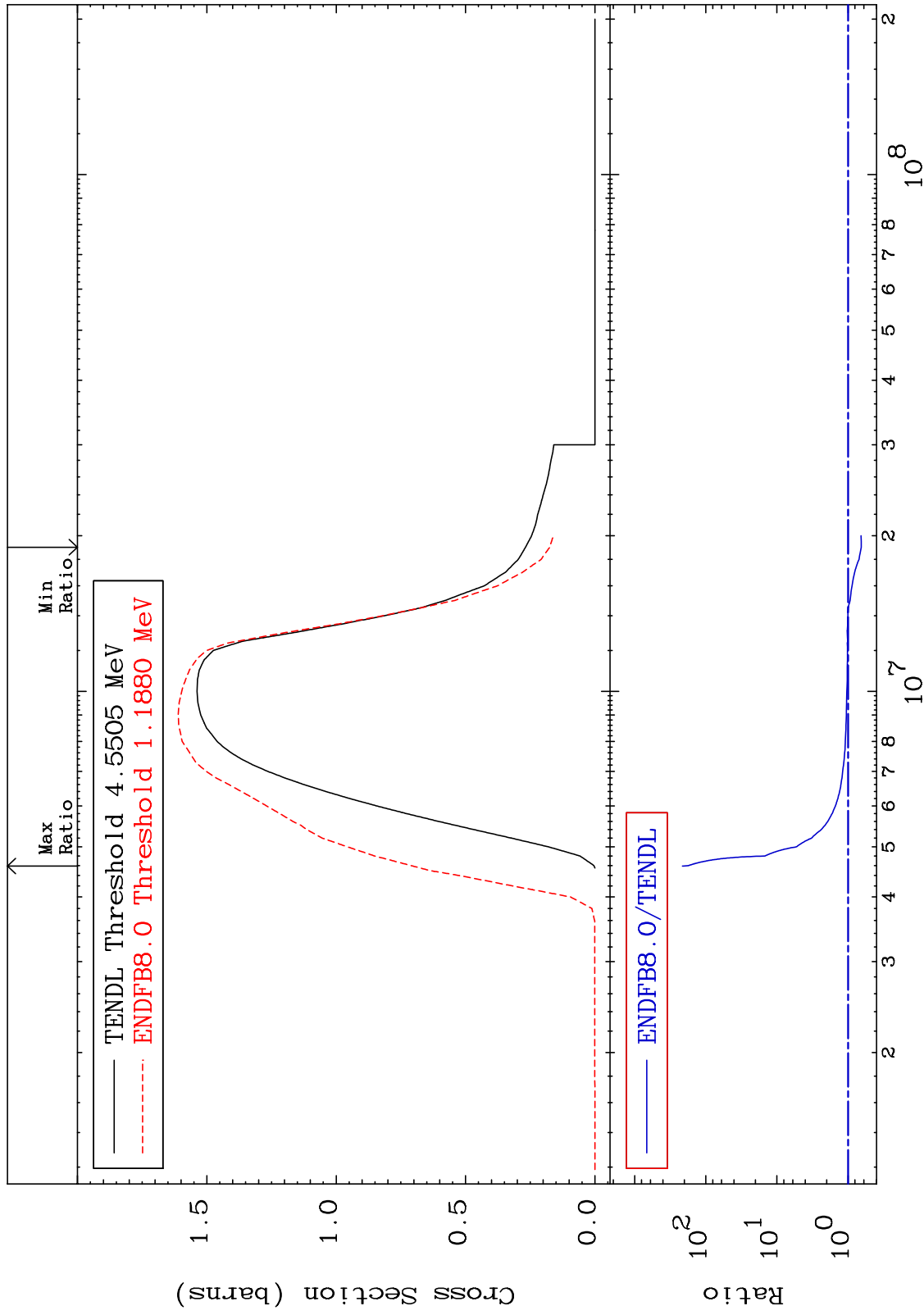
MAT 4025 MT= 59 (n,n') Level Cross Section 40-Zr-90
 -99.87 To 21.90 %



MAT 4025

(n, n') Continuum
Cross Section

40-Zr-90
-34.81 To 9999. %



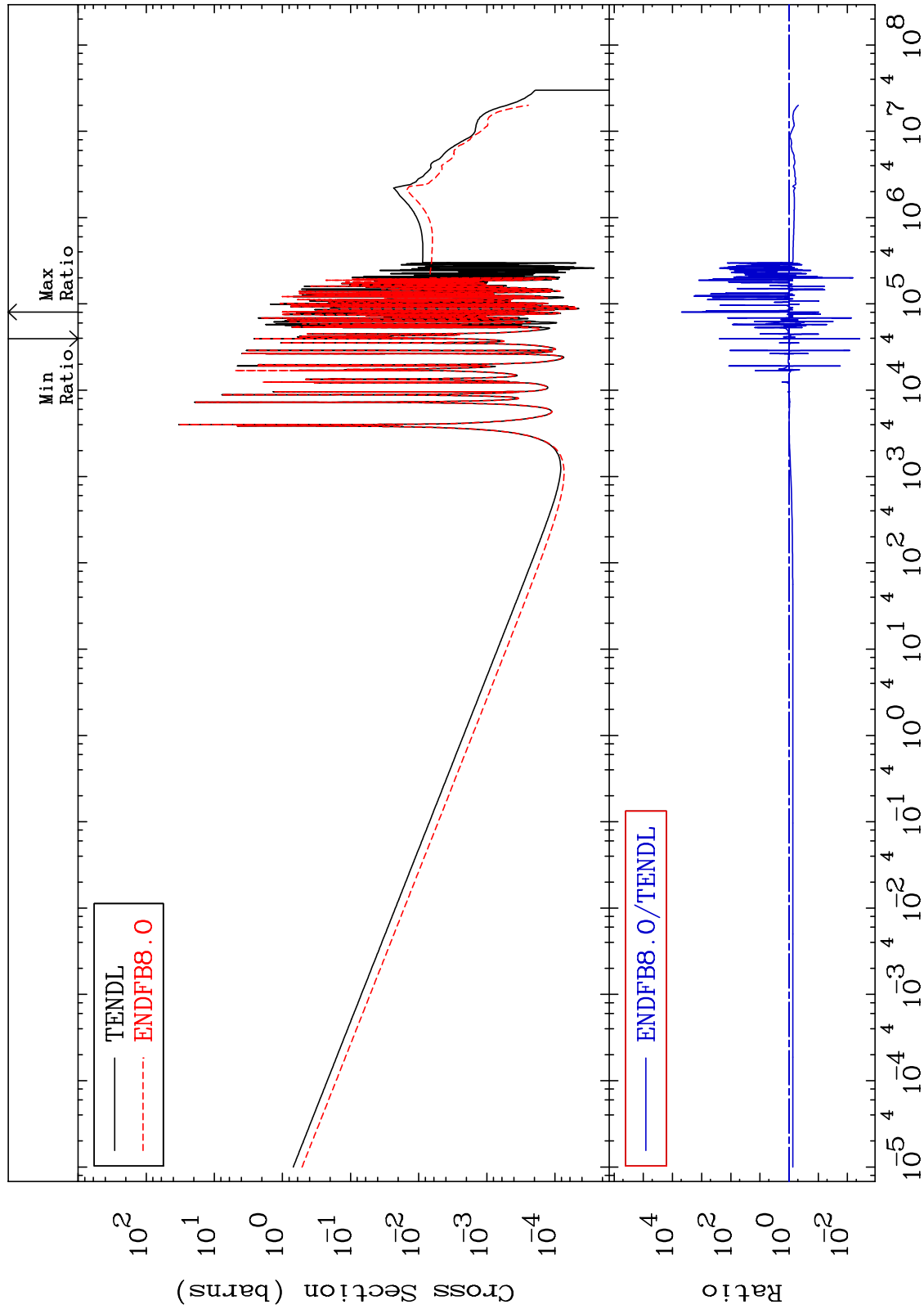
MAT 4025

(n, γ)

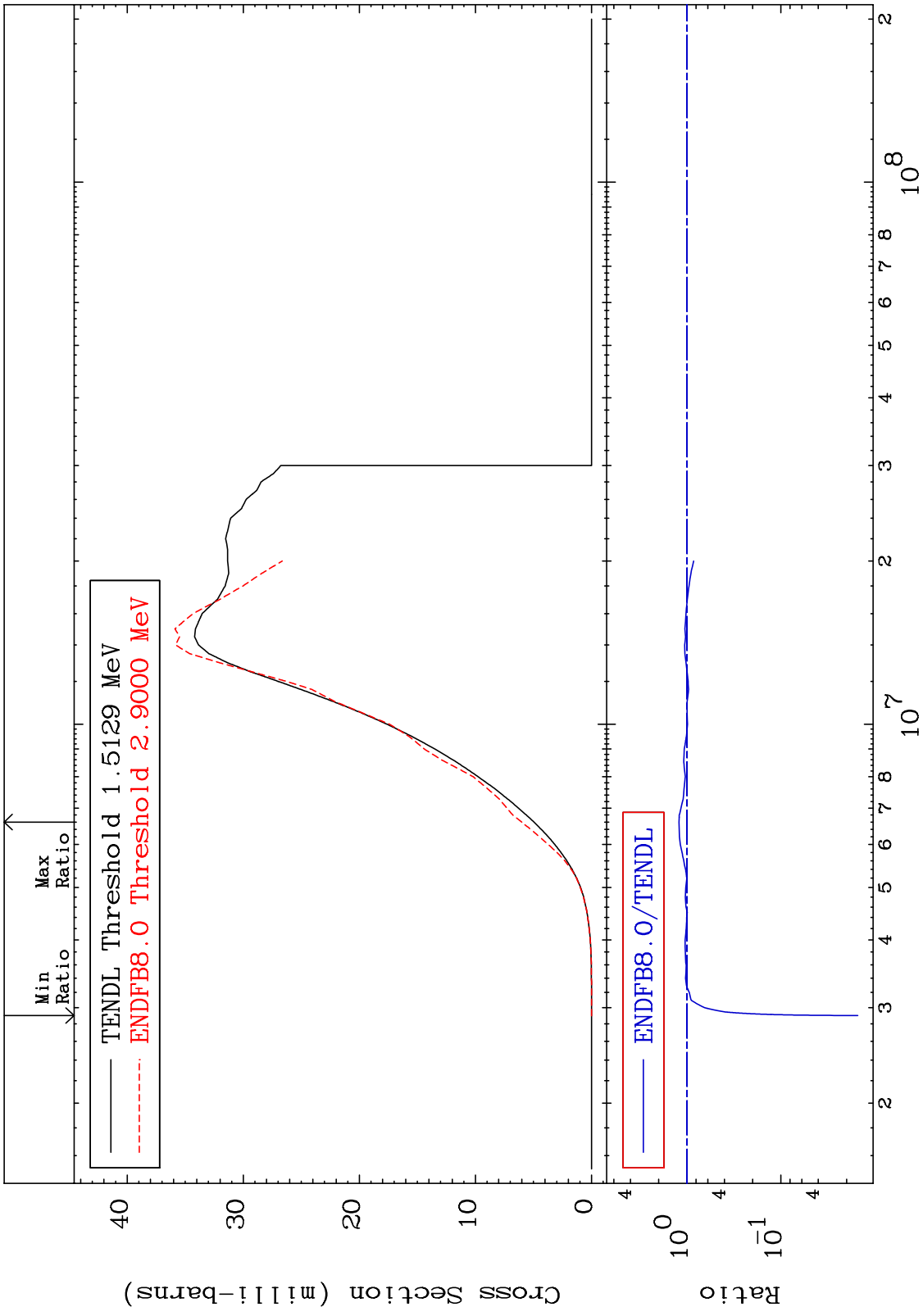
40-Zr-90

Cross Section

-99.62 To 9999. %

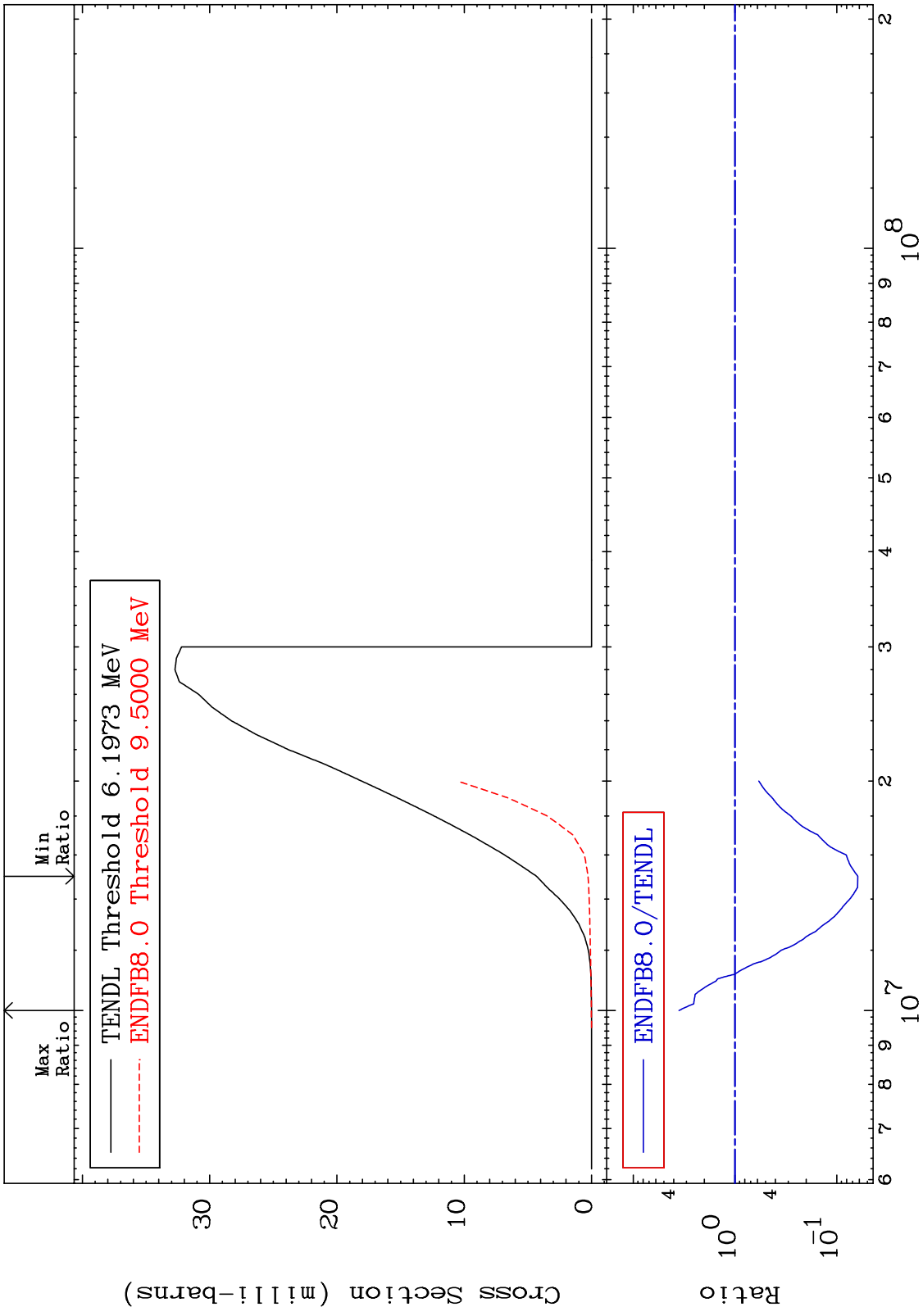


MAT 4025 (n,p) Cross Section 40-Zr-90 -98.48 To 21.40 %

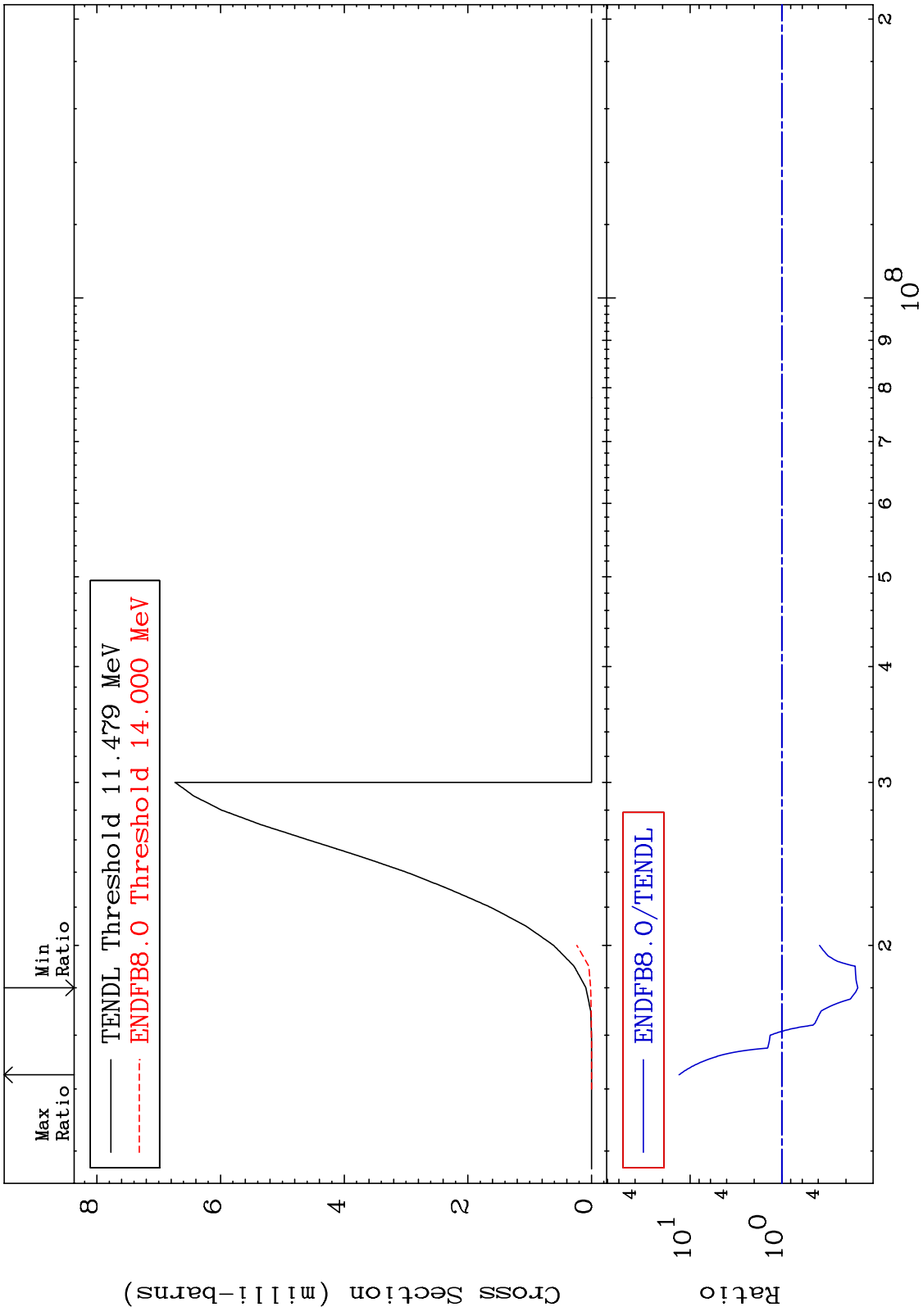


Incident Energy (eV) 40-Zr-90

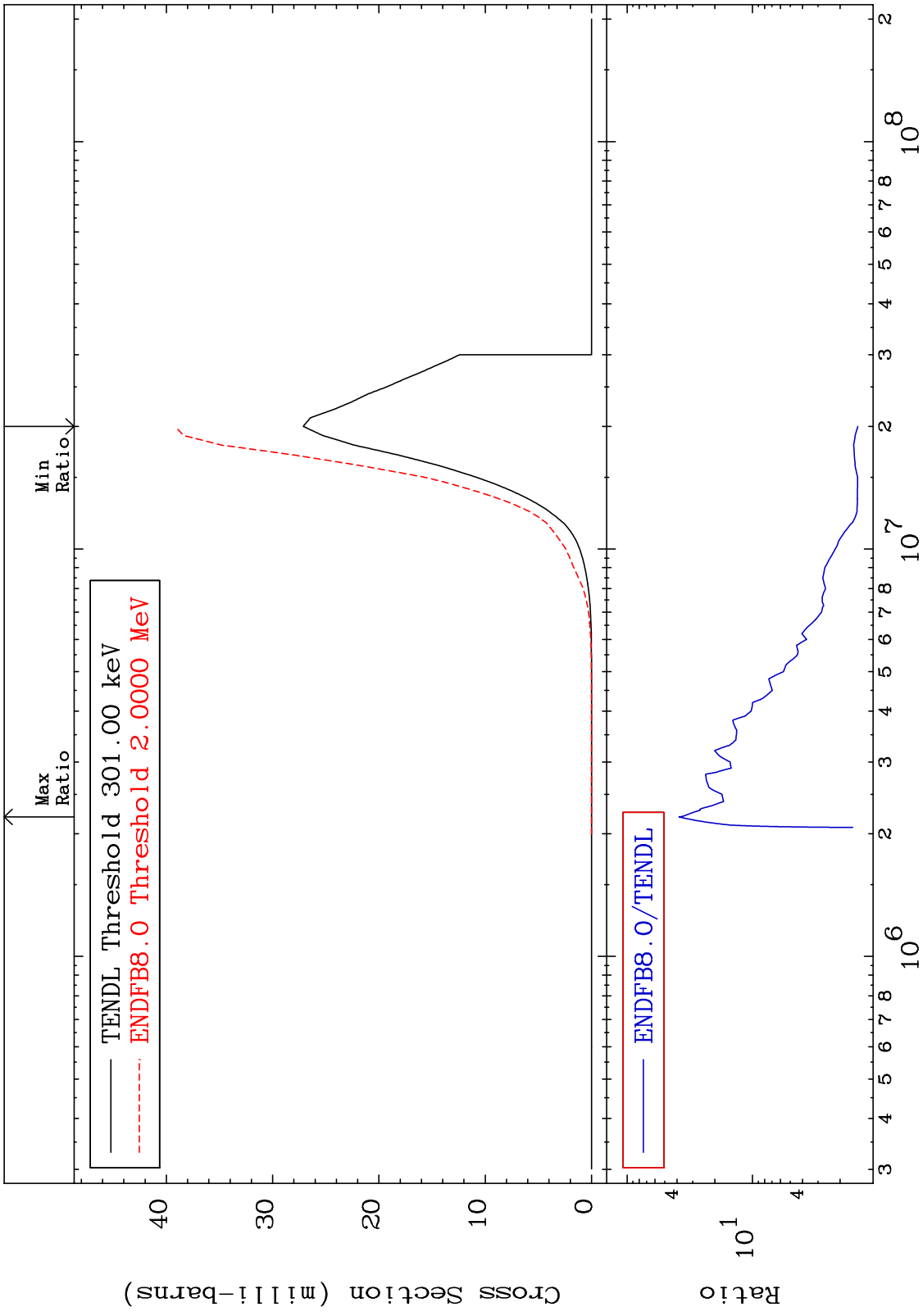
MAT 4025 (n,d) 40-Zr-90
 Cross Section -93.80 To 254.5 %



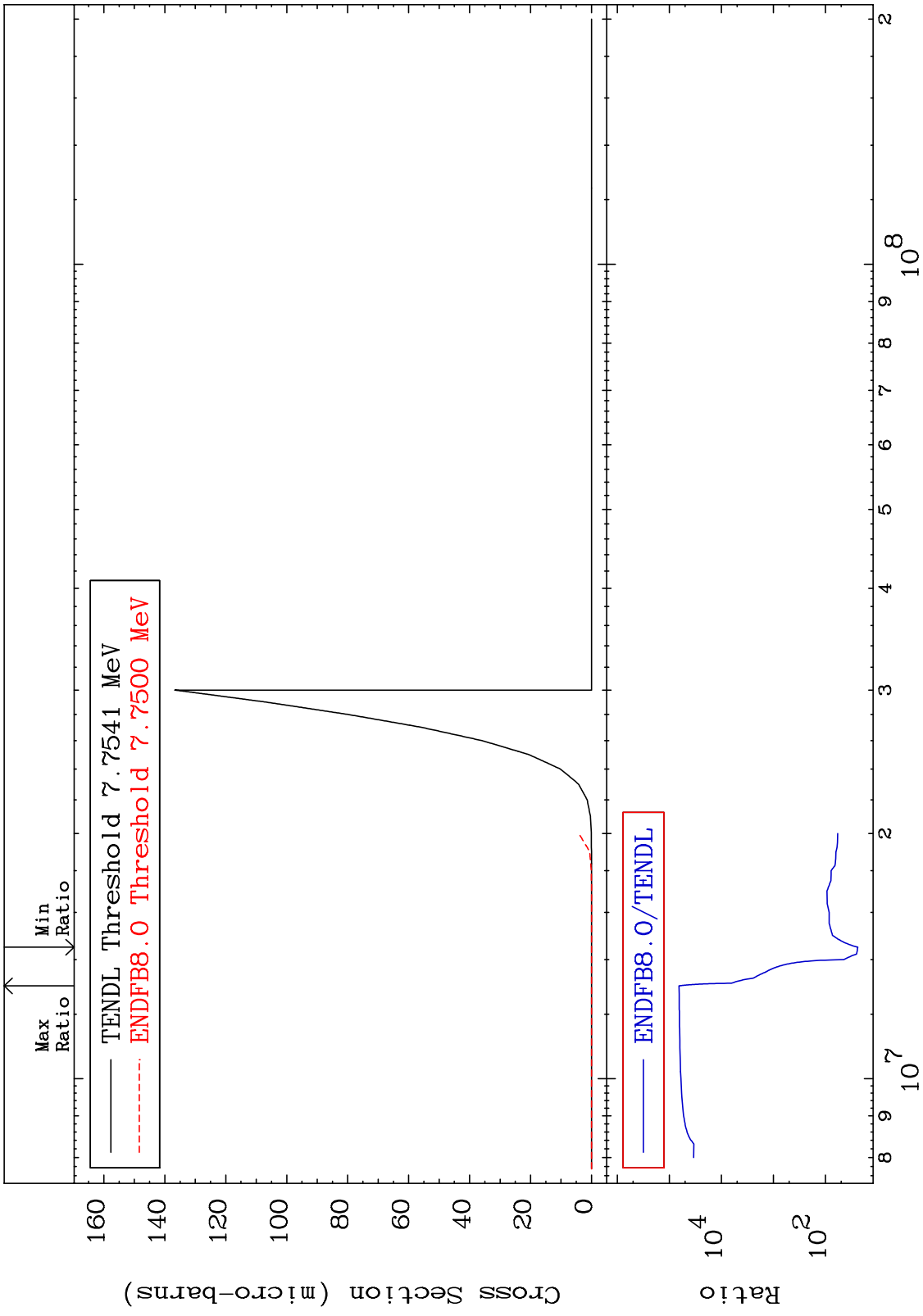
MAT 4025 (n,t) Cross Section 40-Zr-90 -85.18 To 1223. %

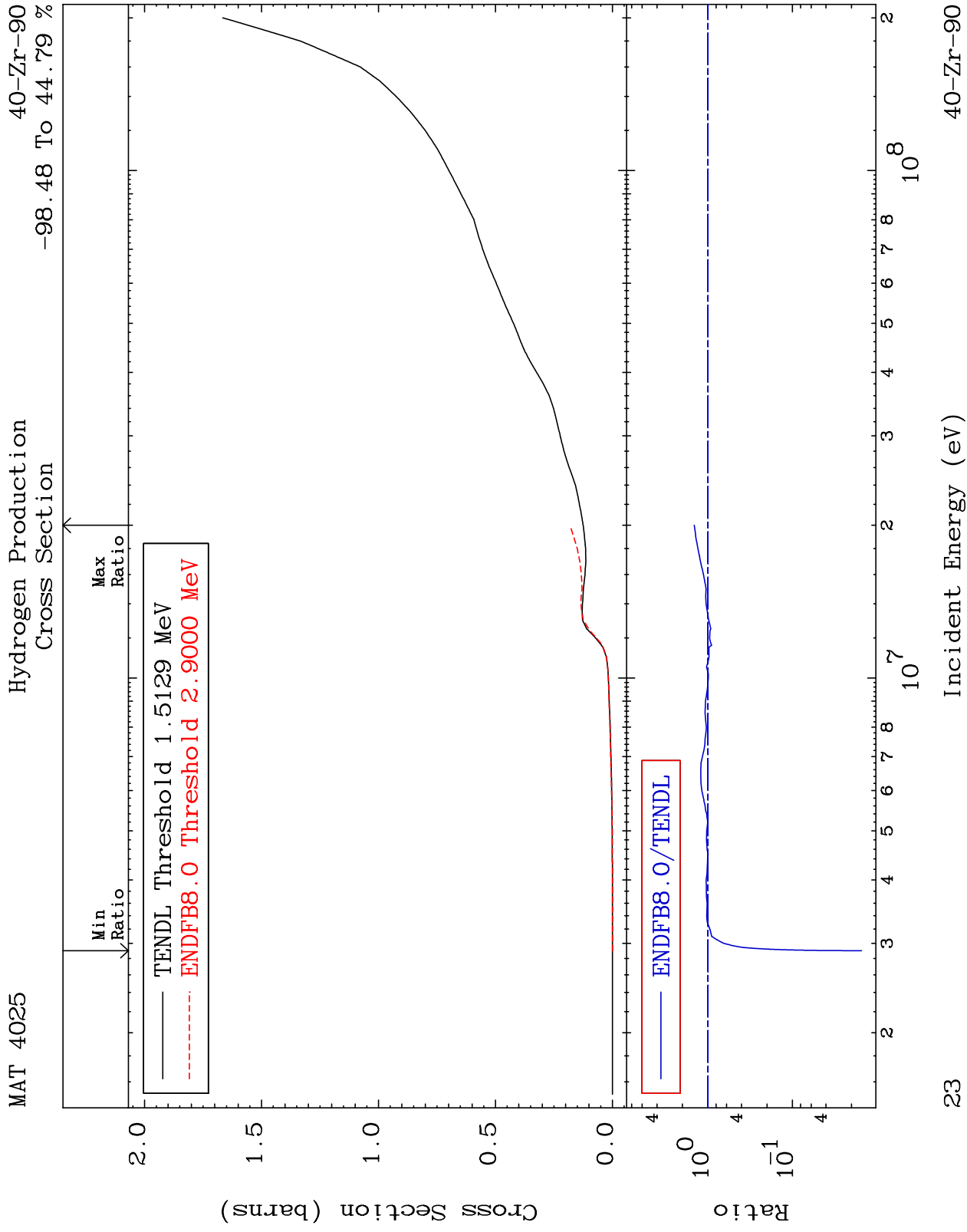


MAT 4025 (n,α) Cross Section 40-Zr-90 44.46 To 3754. %

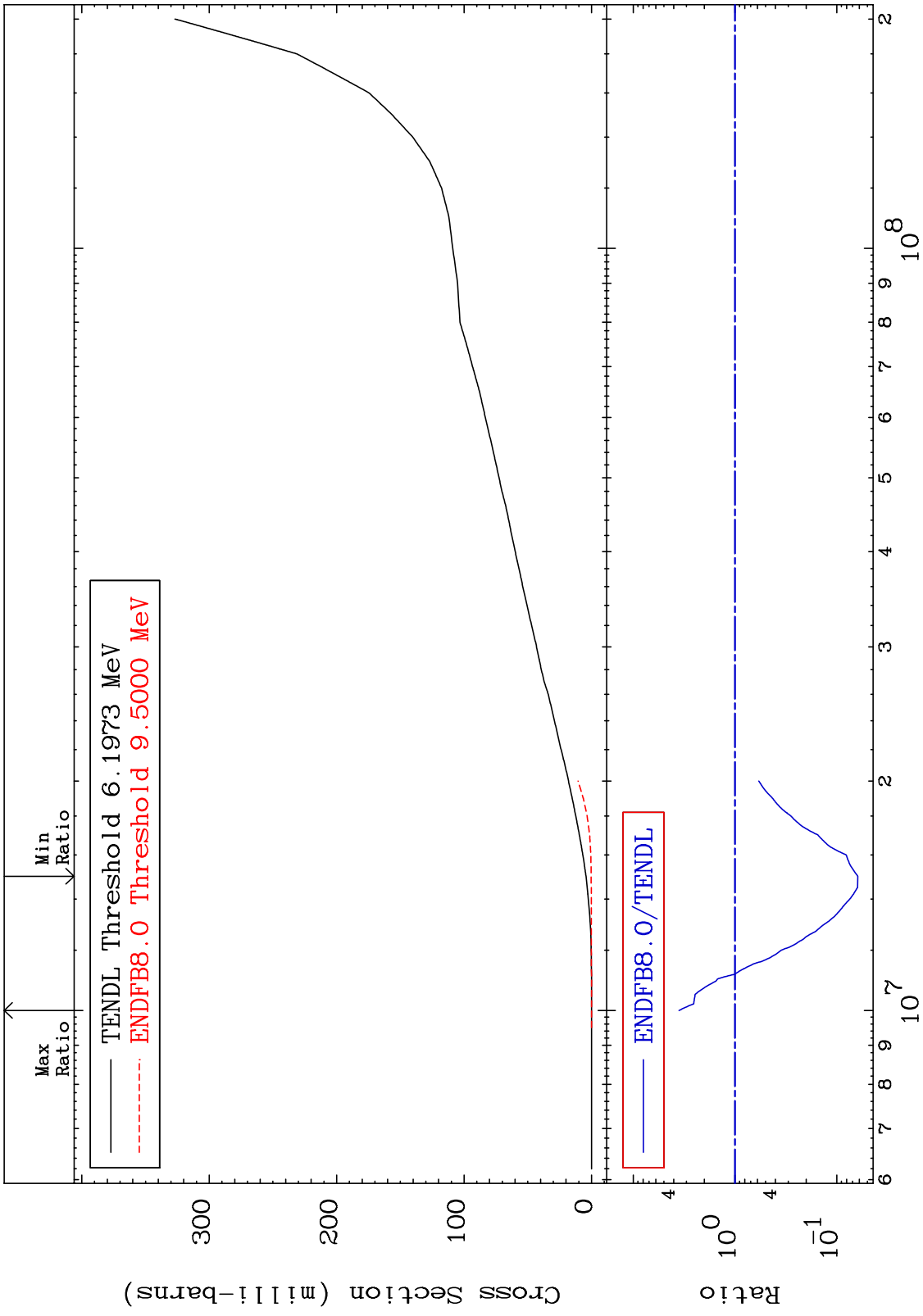


MAT 4025 (n,p) α 40-Zr-90
 Cross Section 2293. To 9999. %

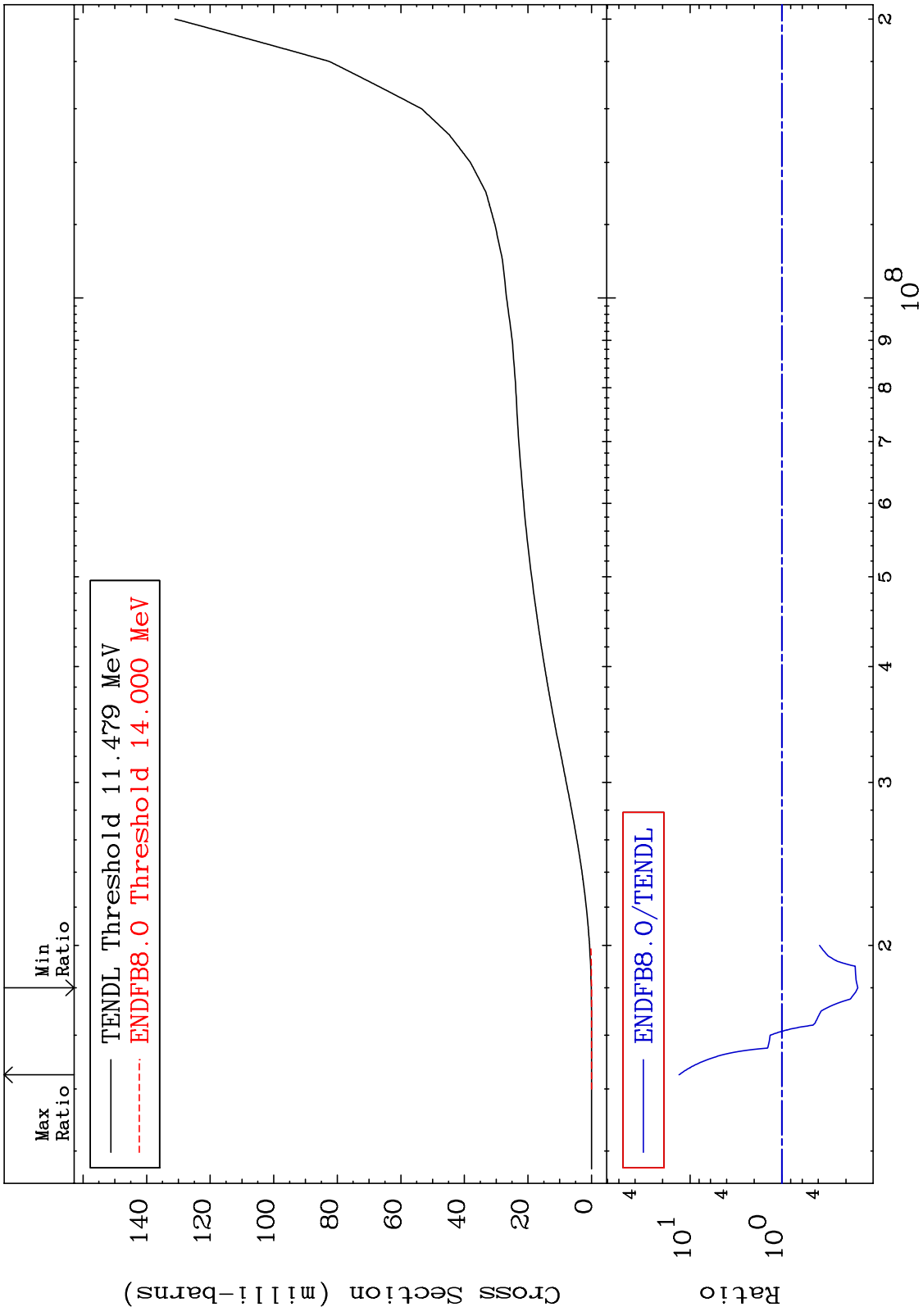




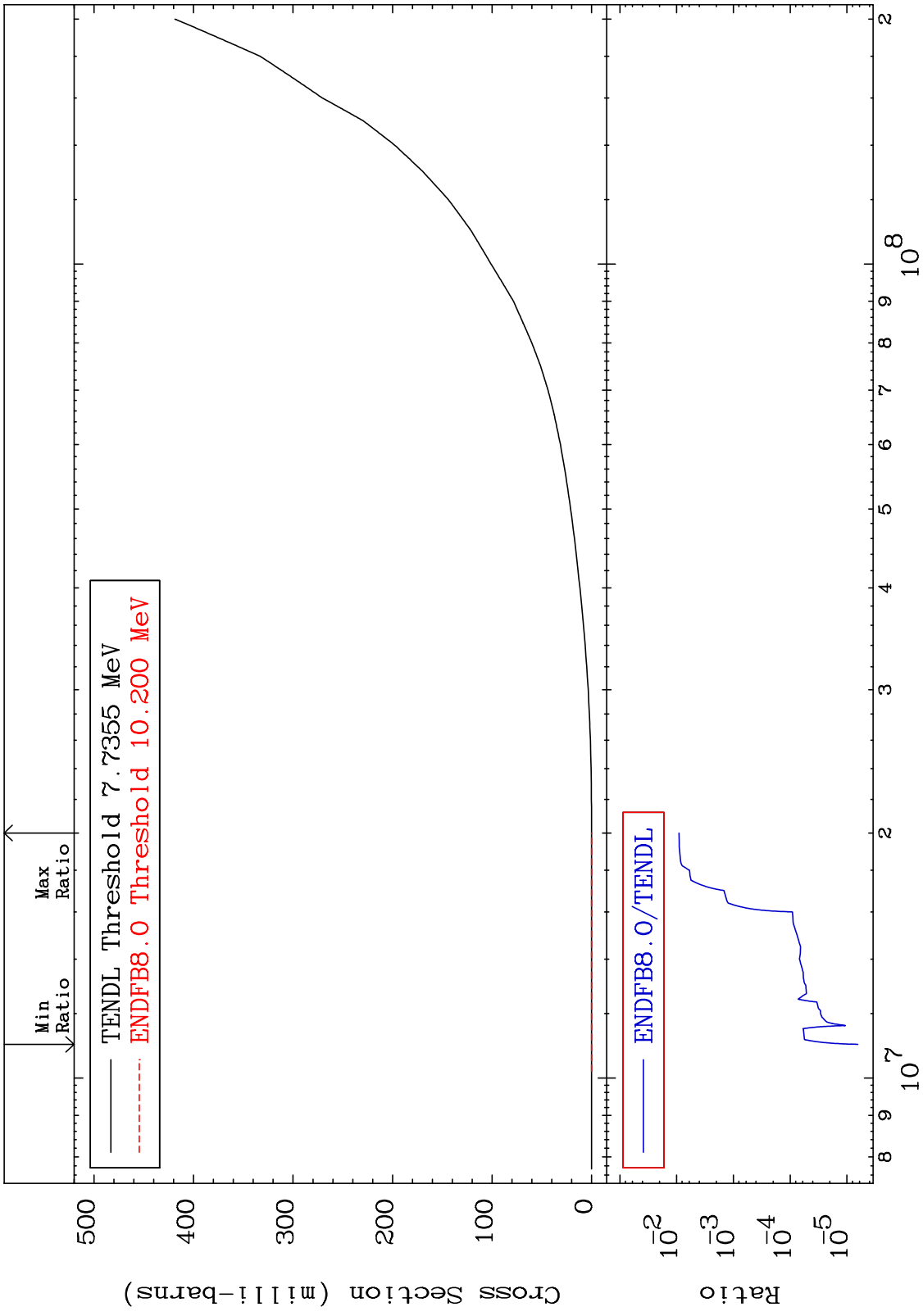
MAT 4025 Deuterium Production Cross Section 40-Zr-90 -93.80 To 254.5 %



24 40-Zr-90 Incident Energy (eV)



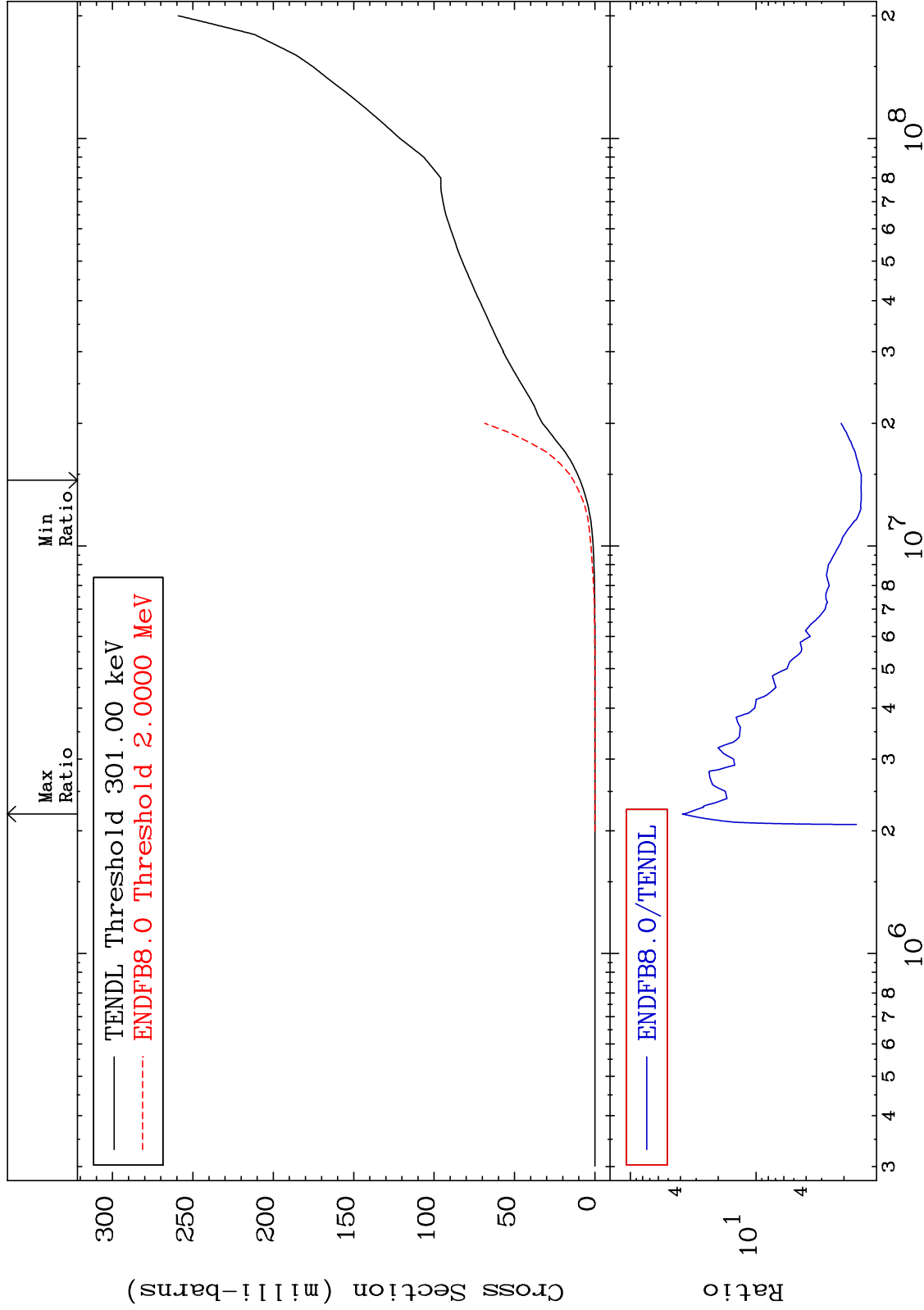
MAT 4025 He-3 Production Cross Section 40-Zr-90
 -100.0 To -99.09%



MAT 4025

He-4 Production
Cross Section

40-Zr-90
45.32 To 3754. %

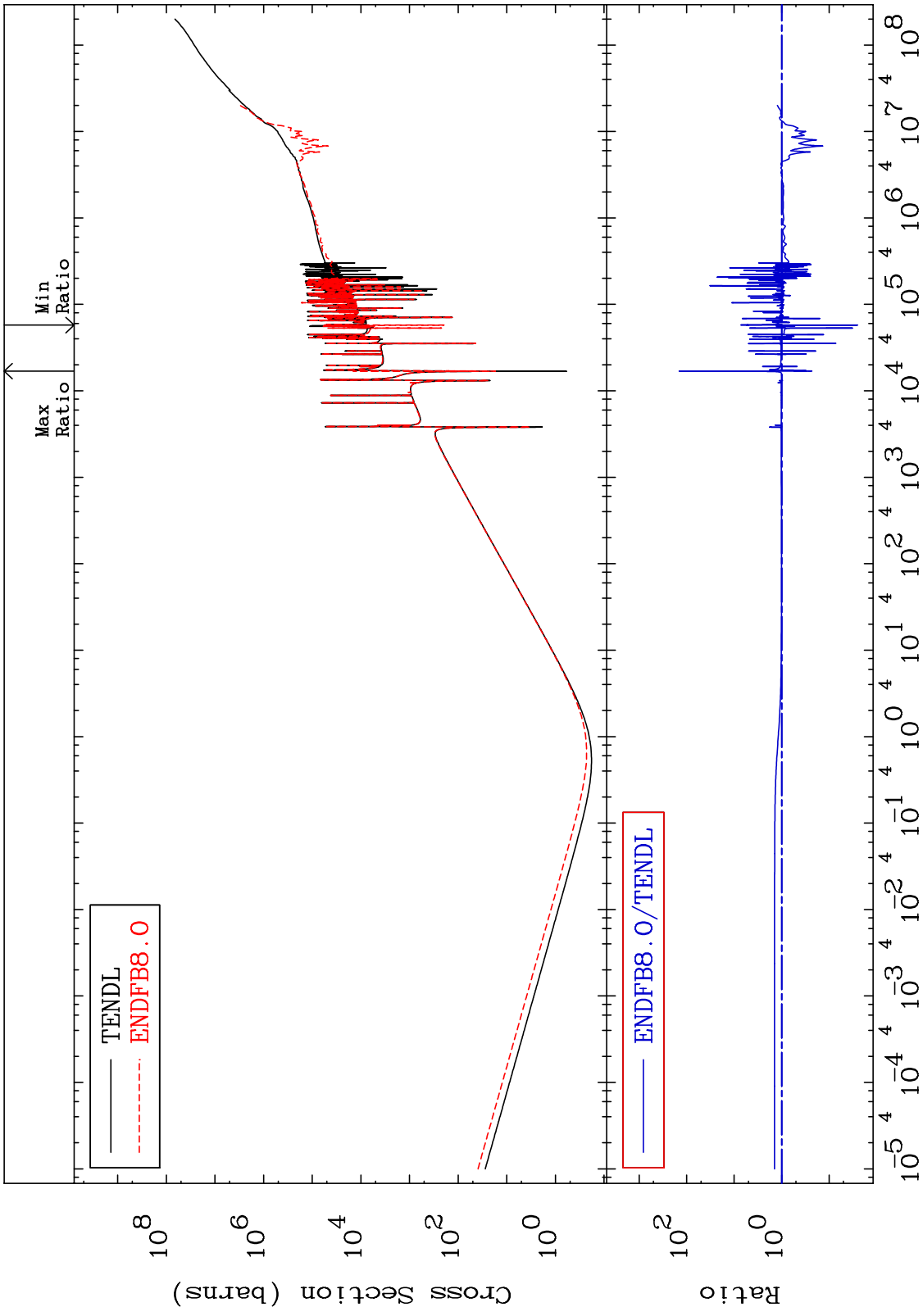


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Incident Energy (eV)

40-Zr-90

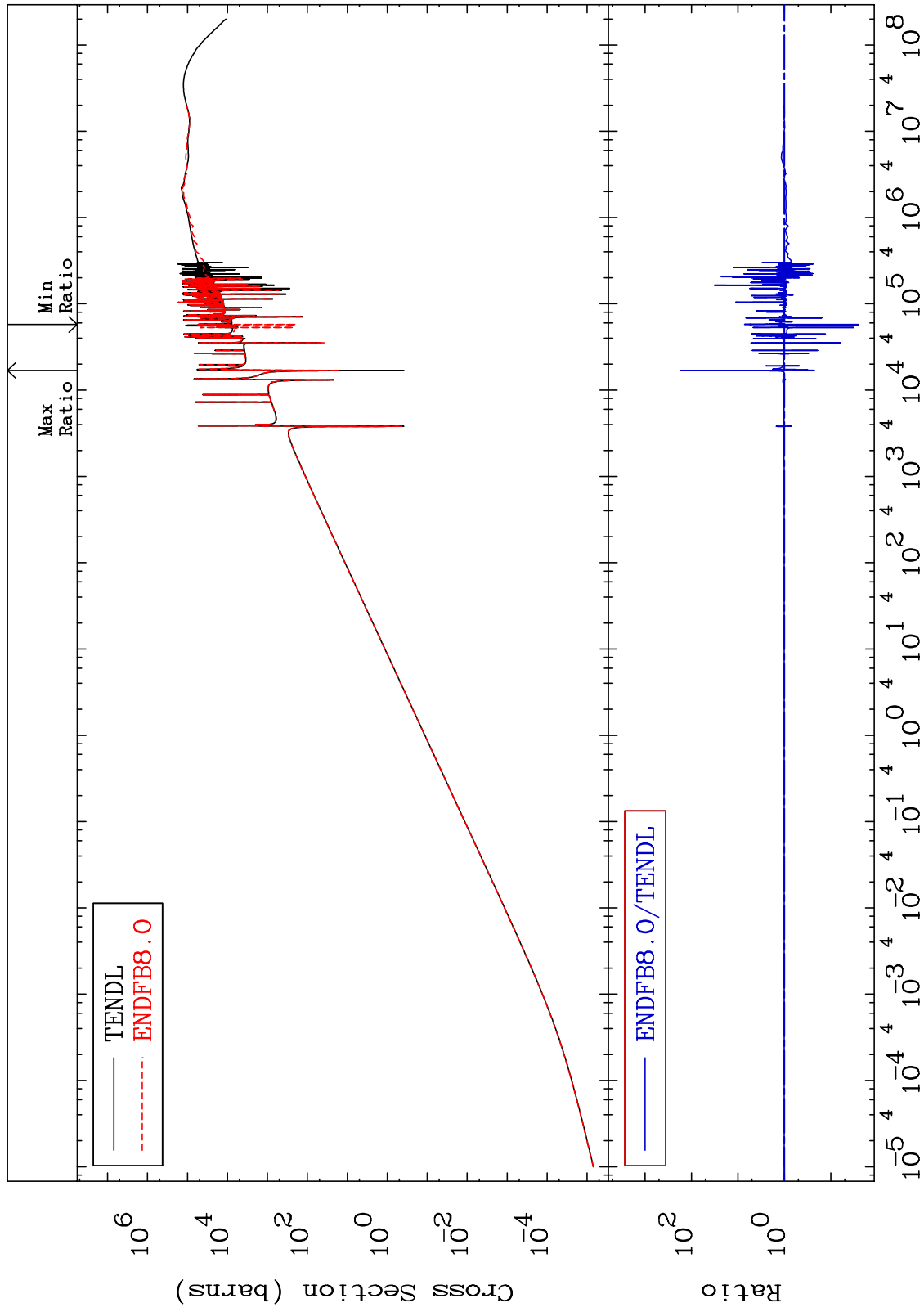
MAT 4025 Kerma total (eV-barns) Cross Section 40-Zr-90
 -97.51 To 9999. %



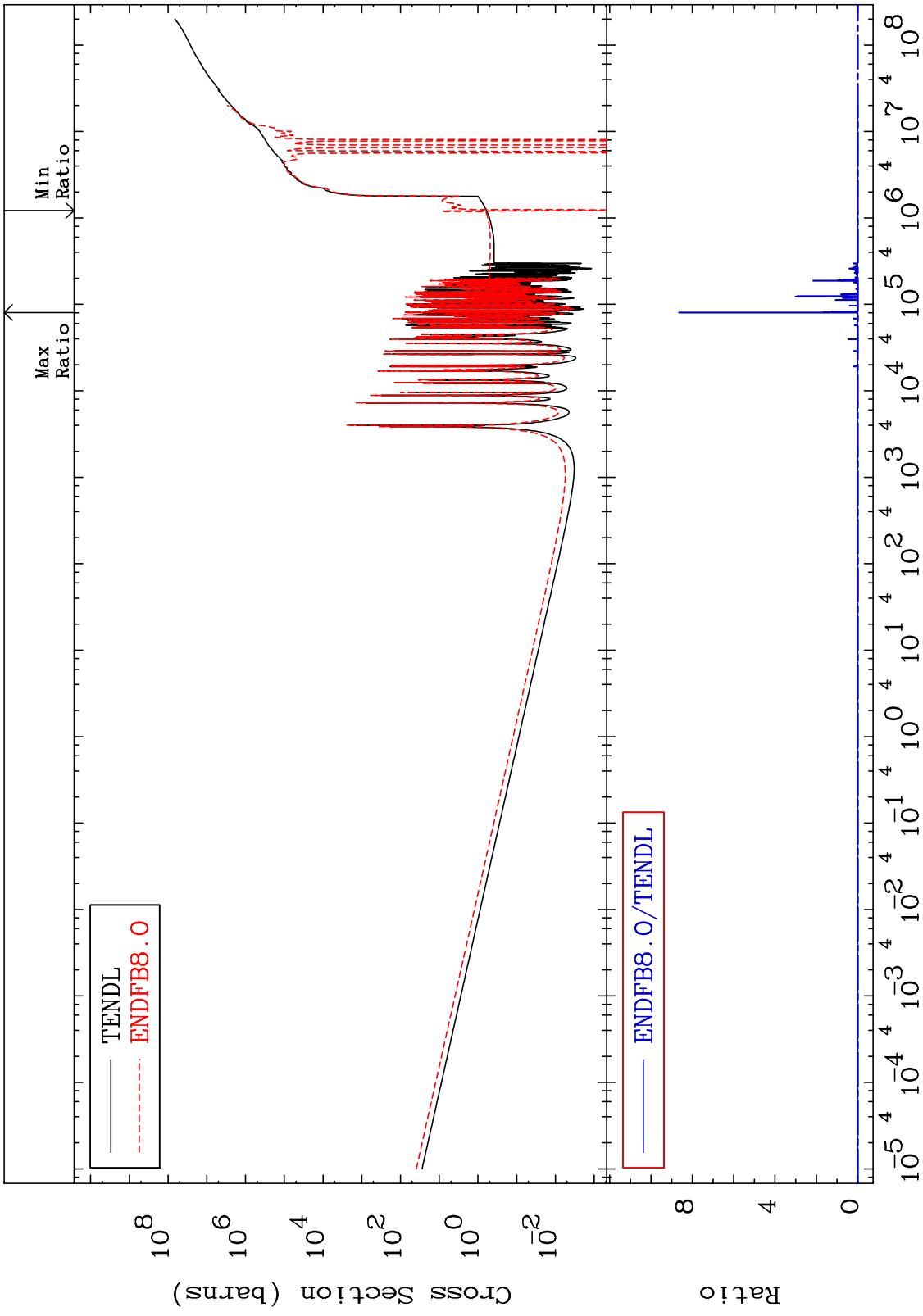
MAT 4025

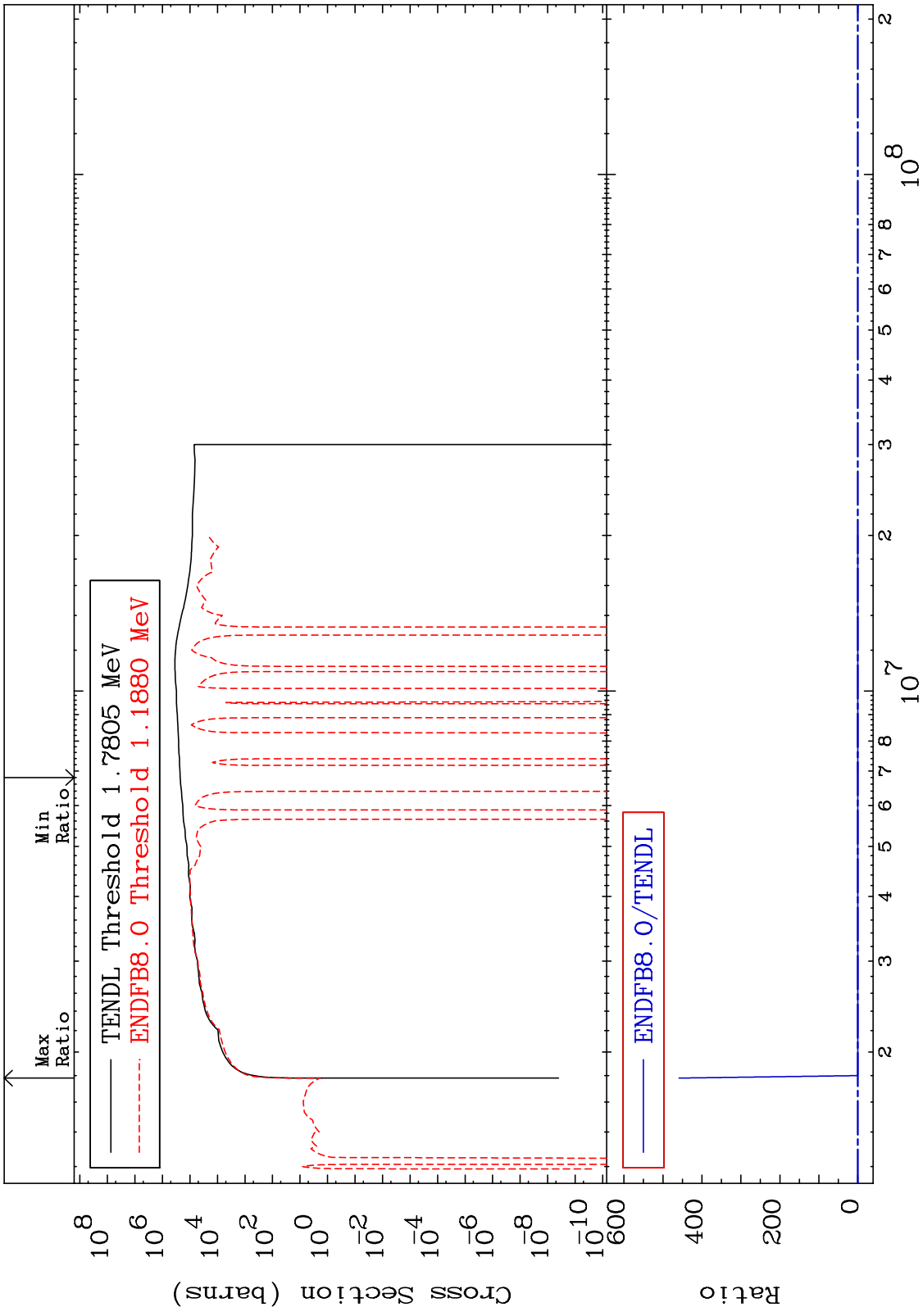
Kerma elastic
Cross Section

40-Zr-90
-97.53 To 9999. %



MAT 4025 Kerma non-elastic (all but mt2) 40-Zr-90
 Cross Section -674.3 To 9999. %

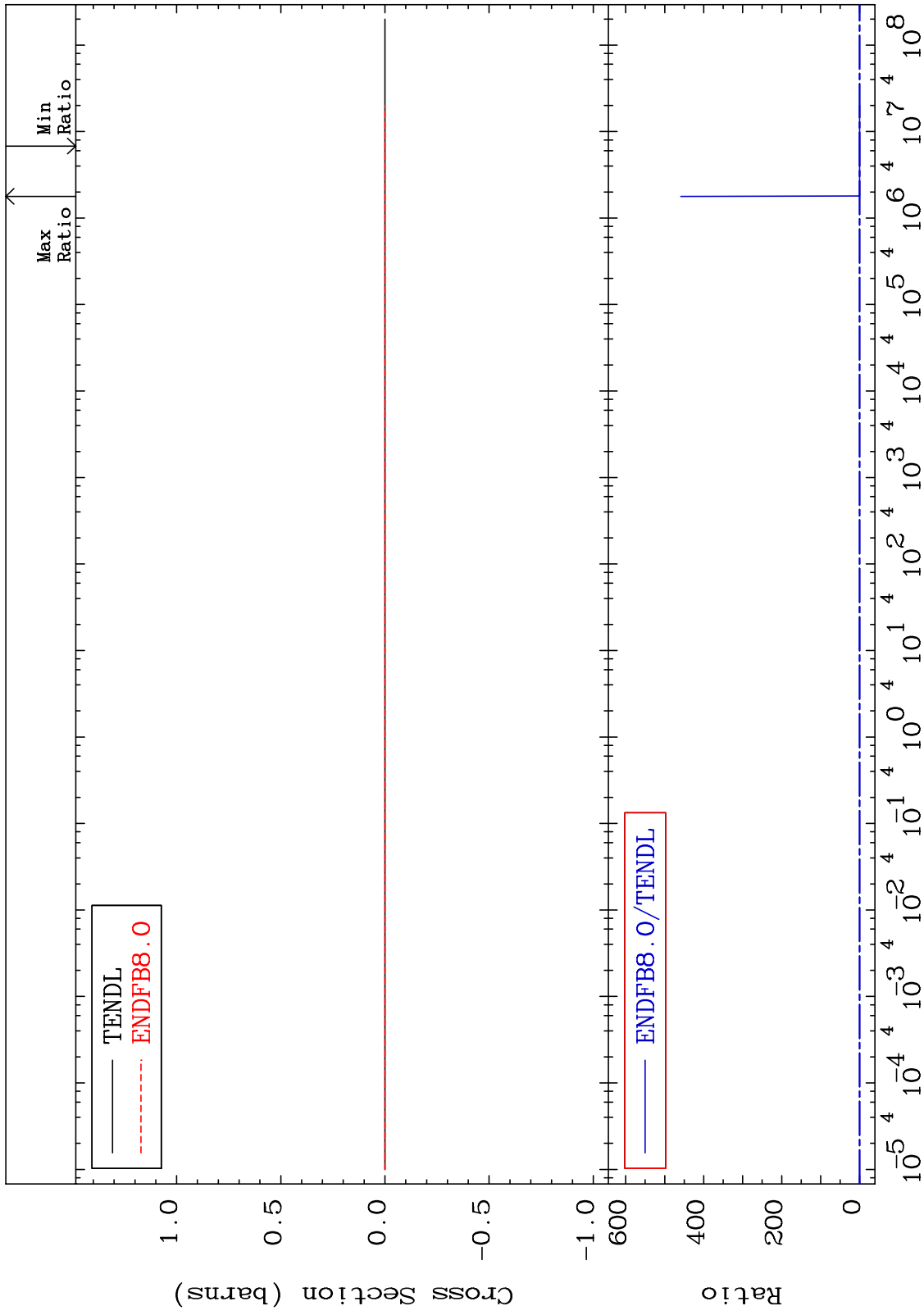




MAT 4025

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

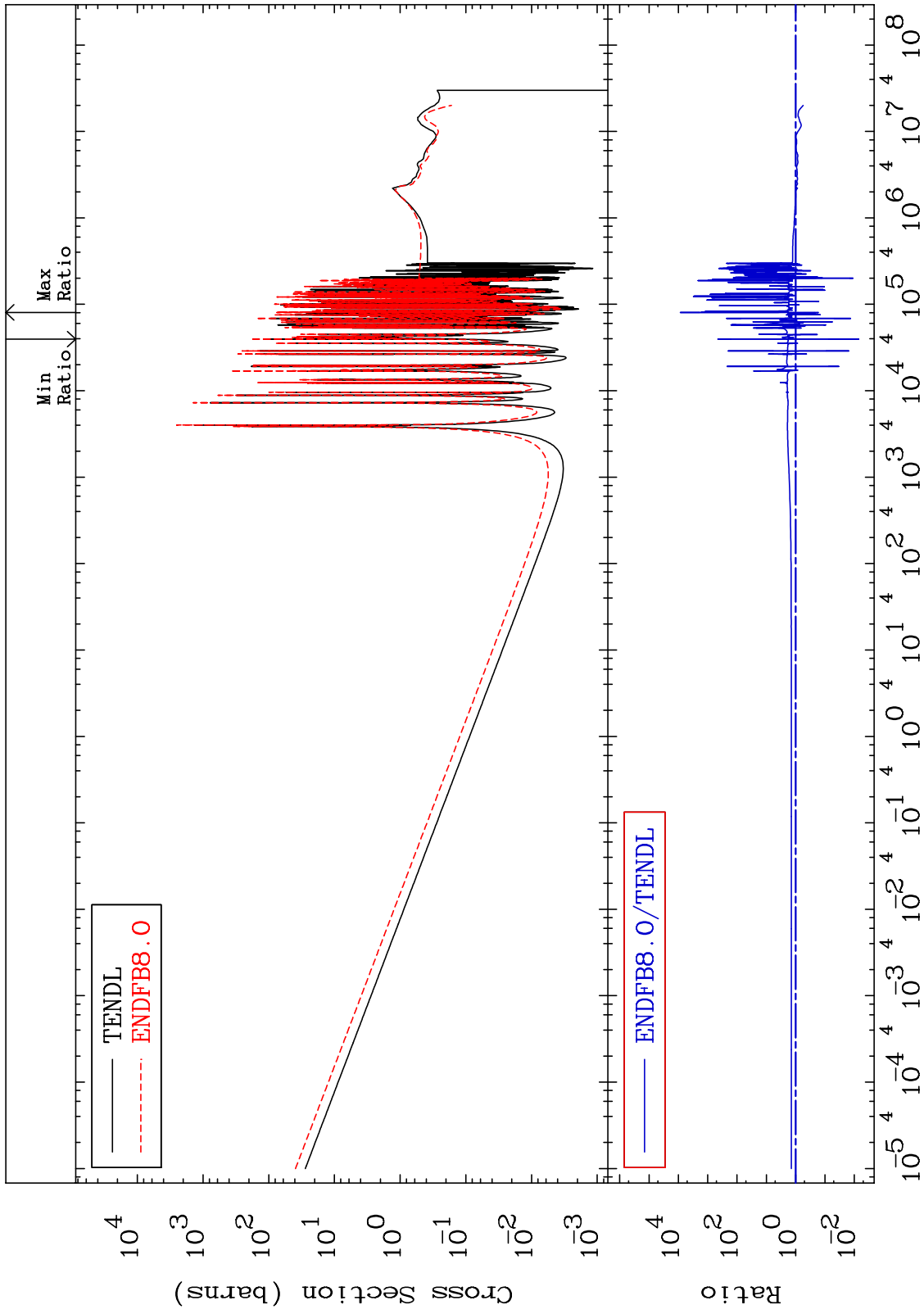
40-Zr-90
-140.3 To 9999. %



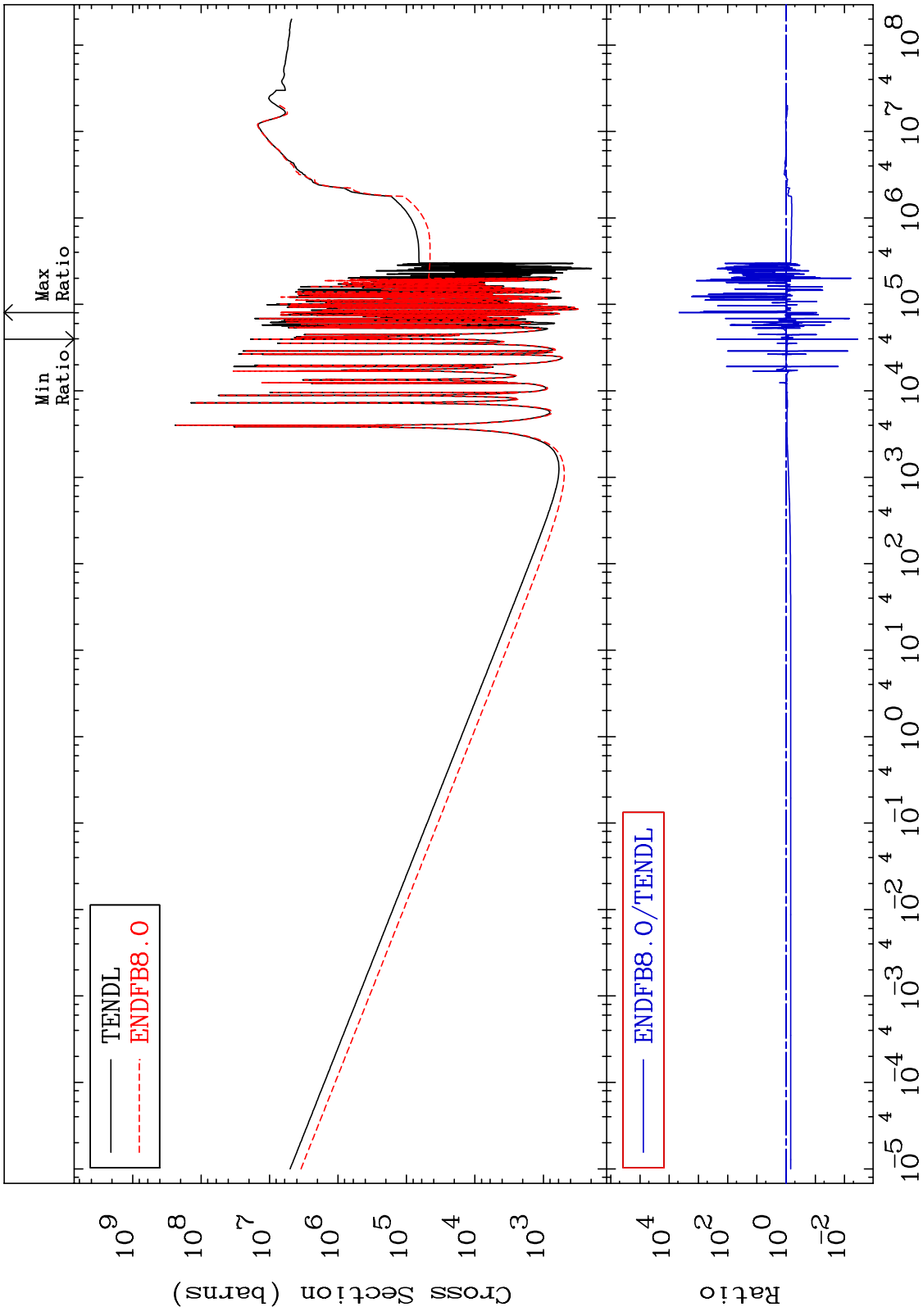
MAT 4025

Kerma capture (mt102)
Cross Section

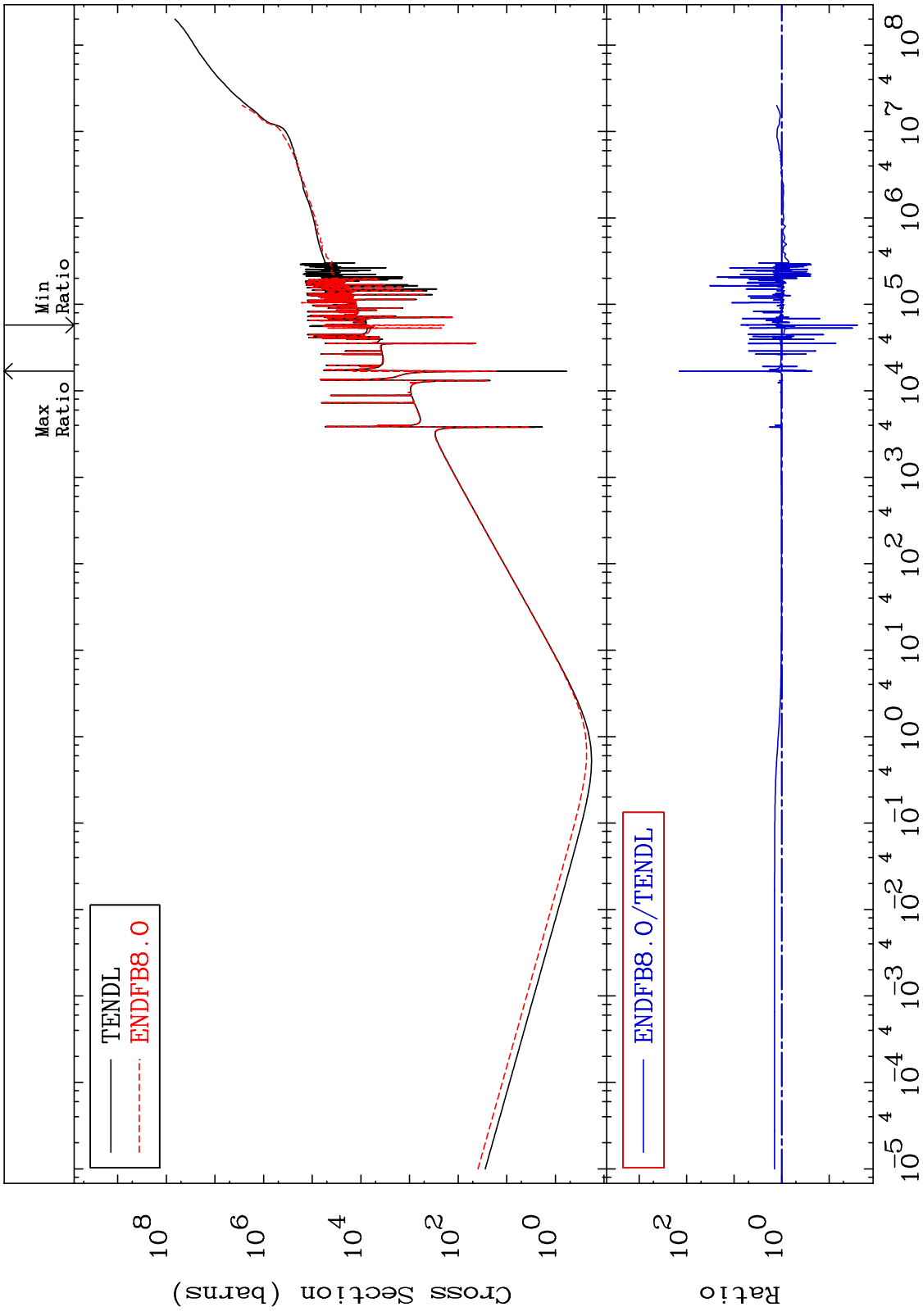
40-Zr-90
-99.30 To 9999. %



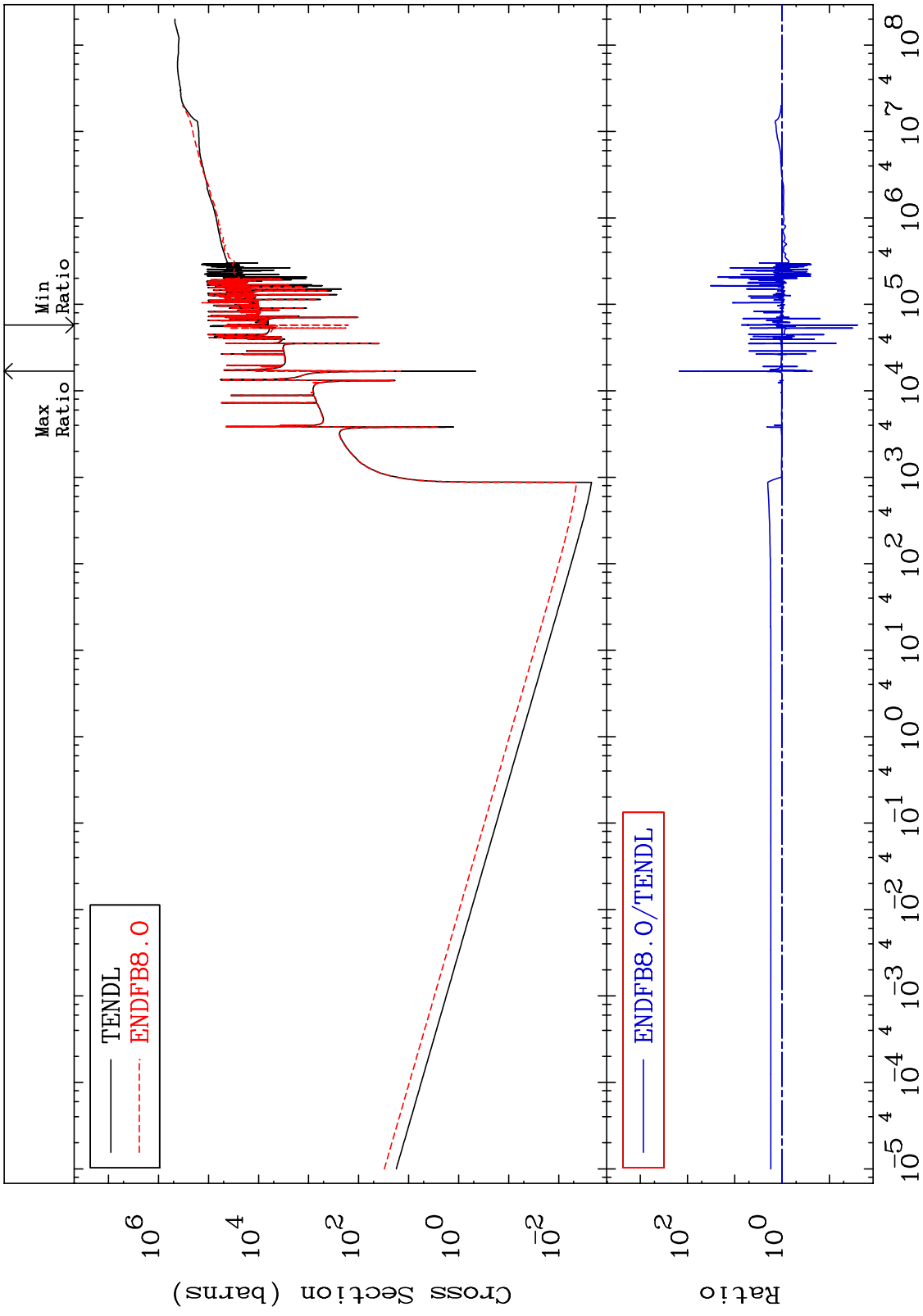
MAT 4025 40-Zr-90
 Total photon (eV-barns) -99.65 To 9999. %
 Cross Section



MAT 4025 Total kinematic kerma (high limit) 40-Zr-90
 Cross Section -97.51 To 9999. %



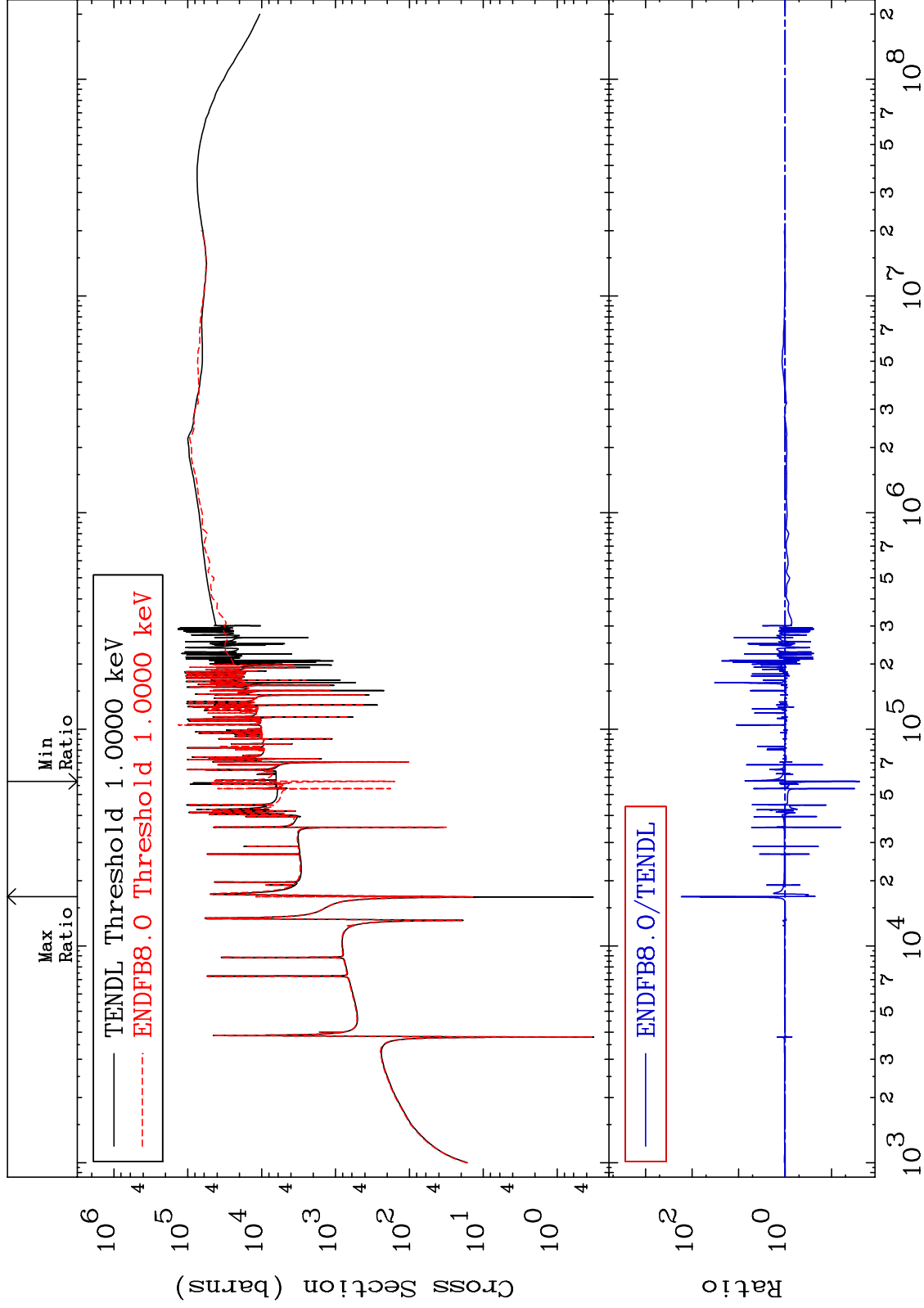
MAT 4025 Dpa total (eV-barns) 40-Zr-90
 Cross Section -97.51 To 9999. %



MAT 4025

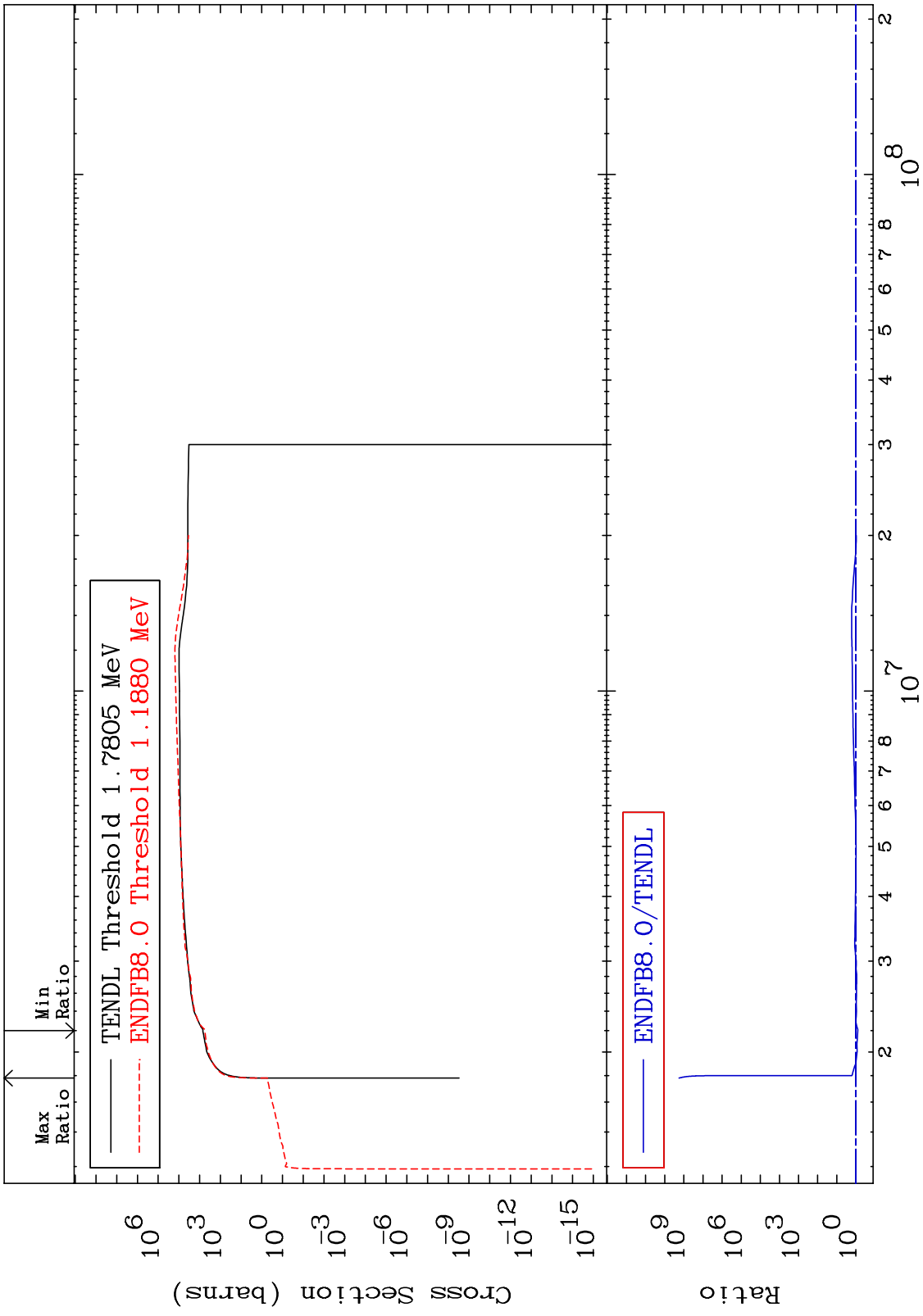
Dpa elastic (mt2)
Cross Section

40-Zr-90
-97.52 To 9999. %



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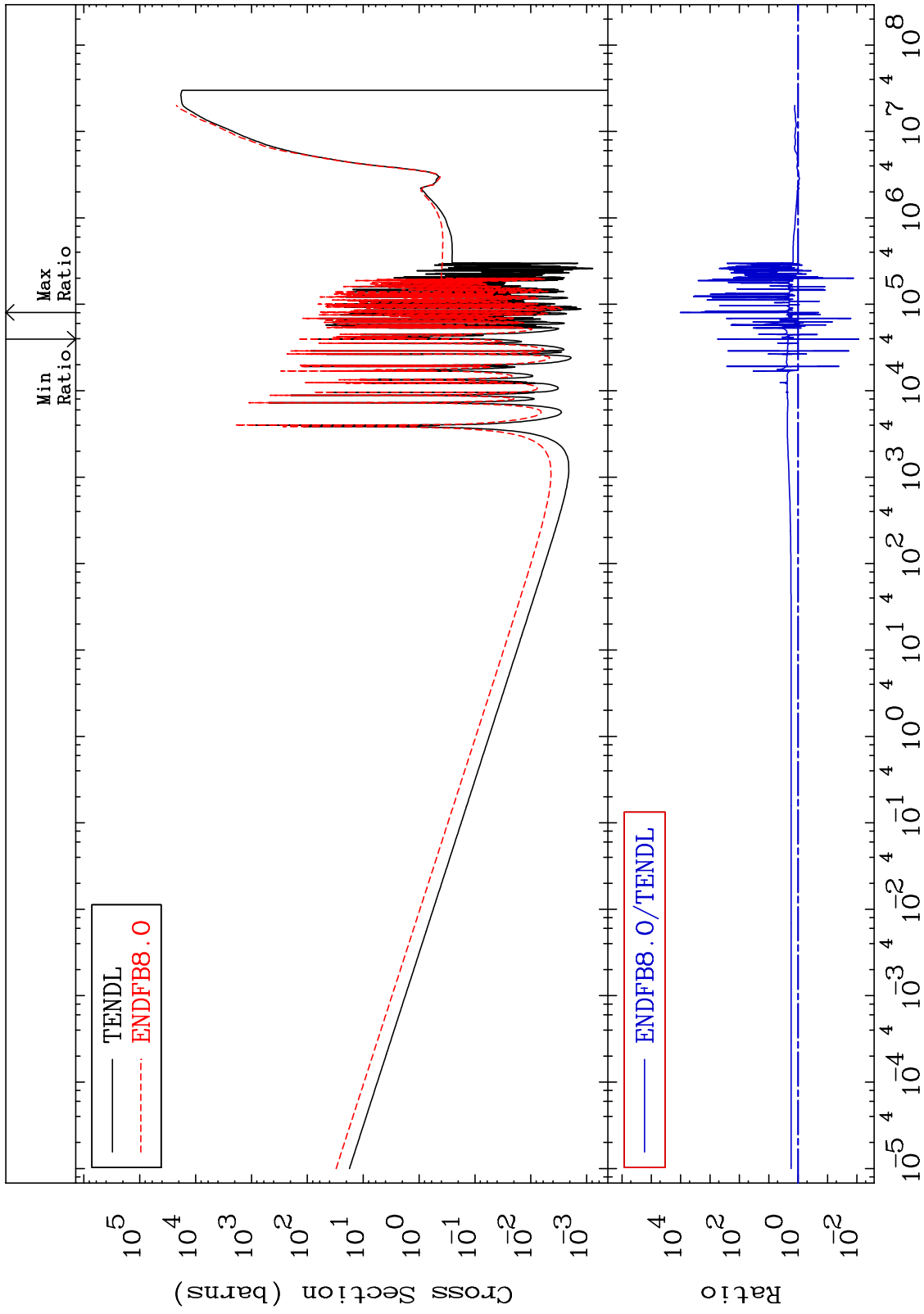
40-Zr-90



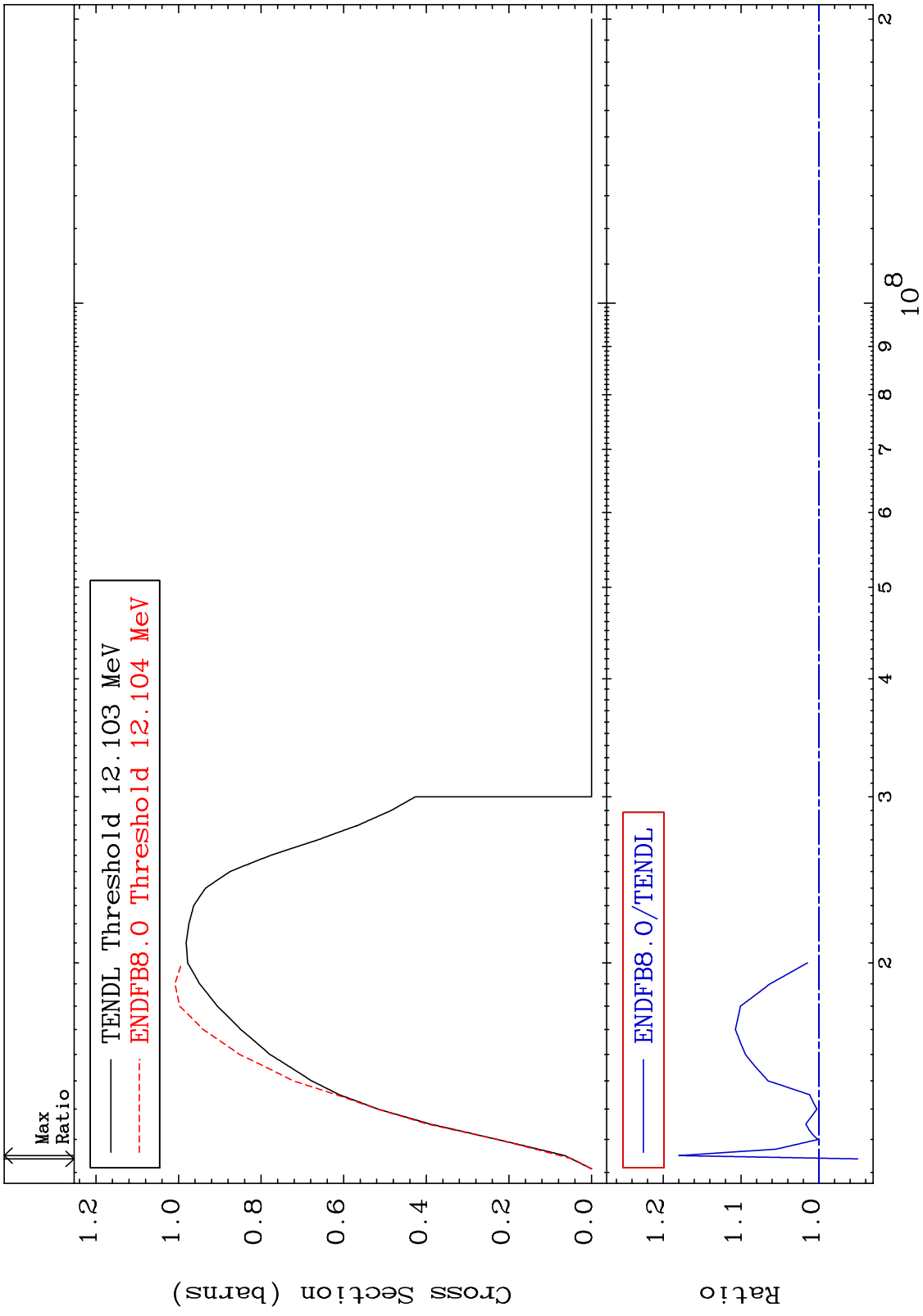
MAT 4025

Dpa disappearance (mt102 -120)
Cross Section

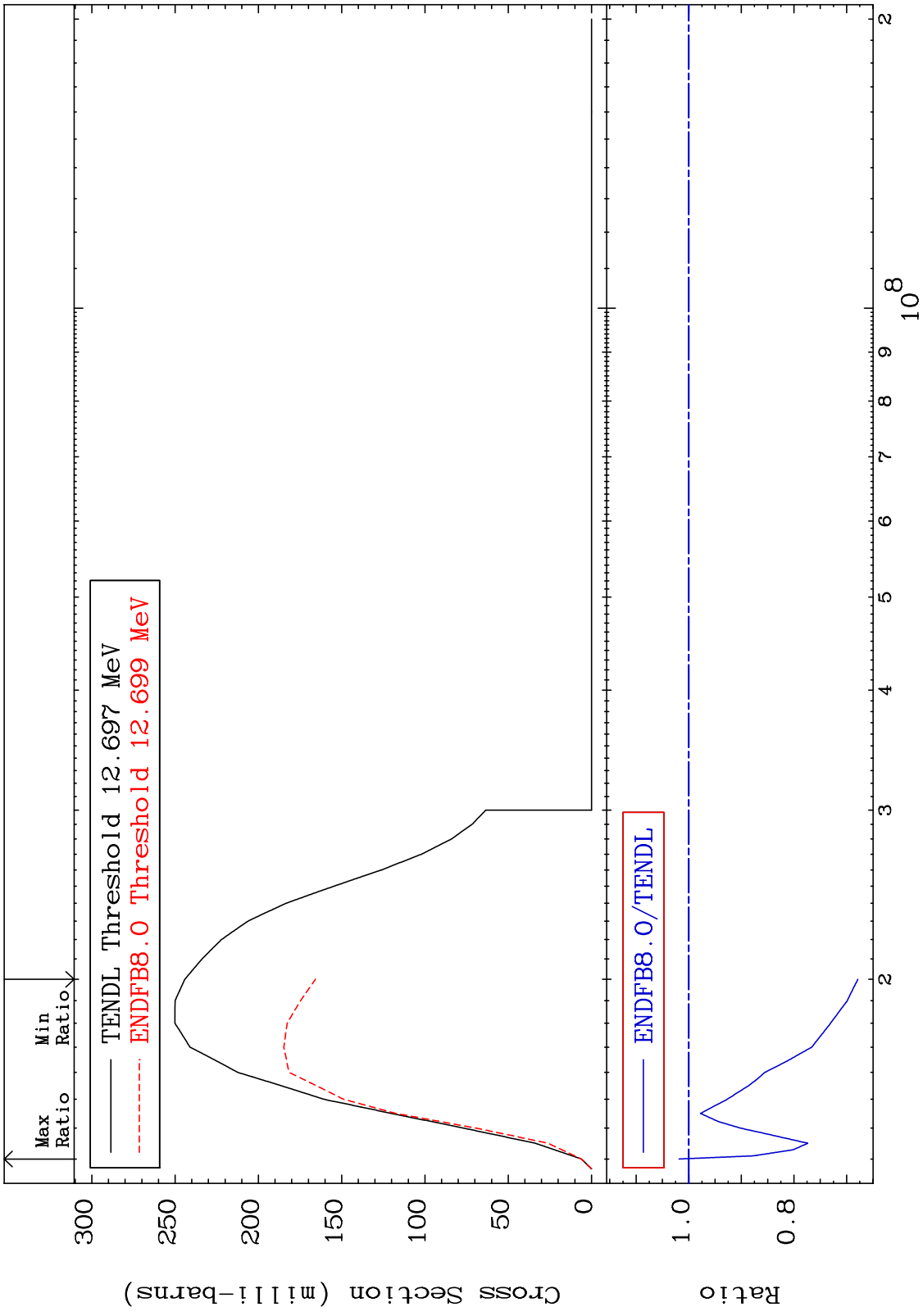
40-Zr-90
-99.15 To 9999. %



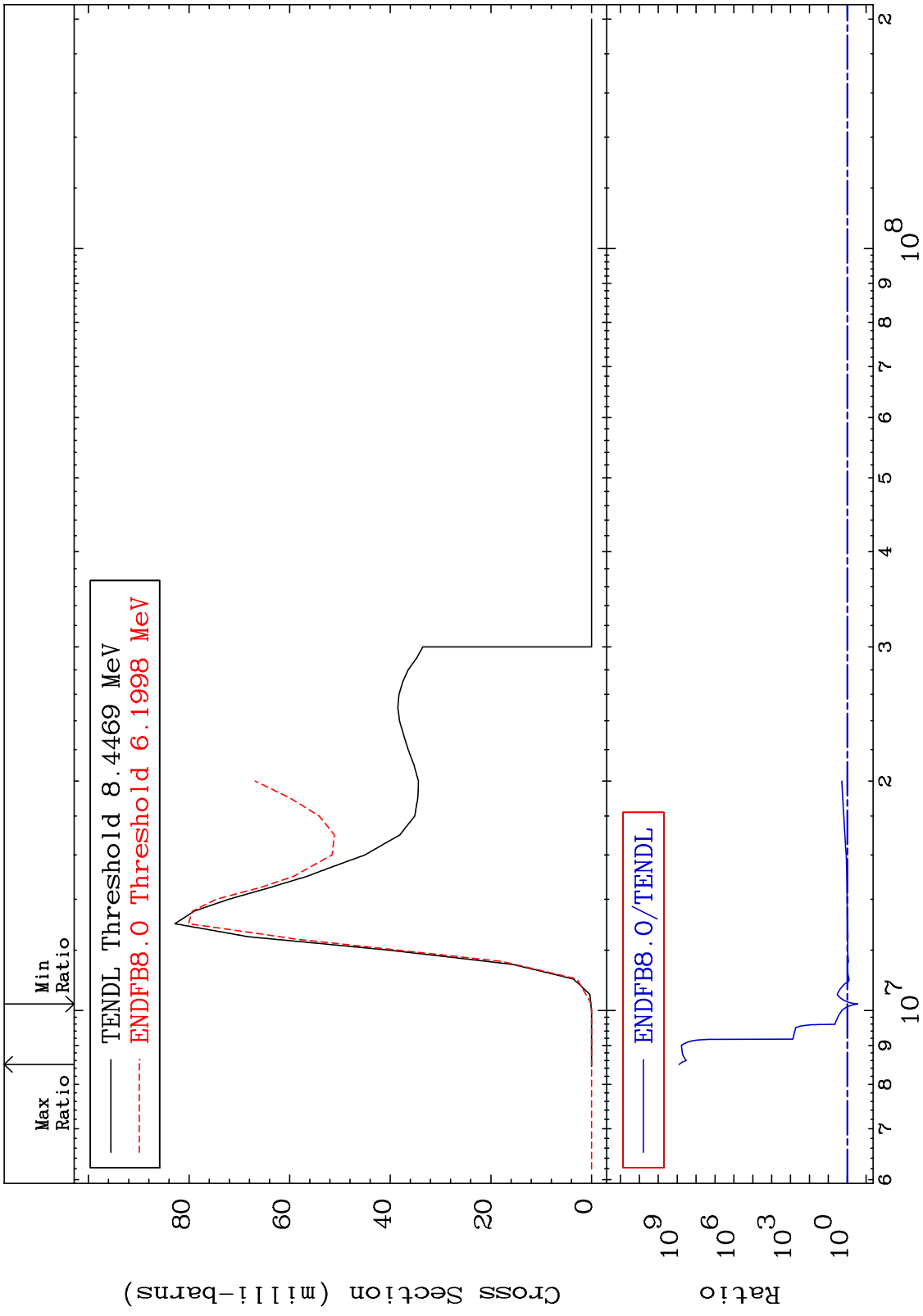
MAT 4025 (n,2n) : 40-Zr-89g 40-Zr-90
 Radionuclide Production Cross Section -4.994 To 17.96 %



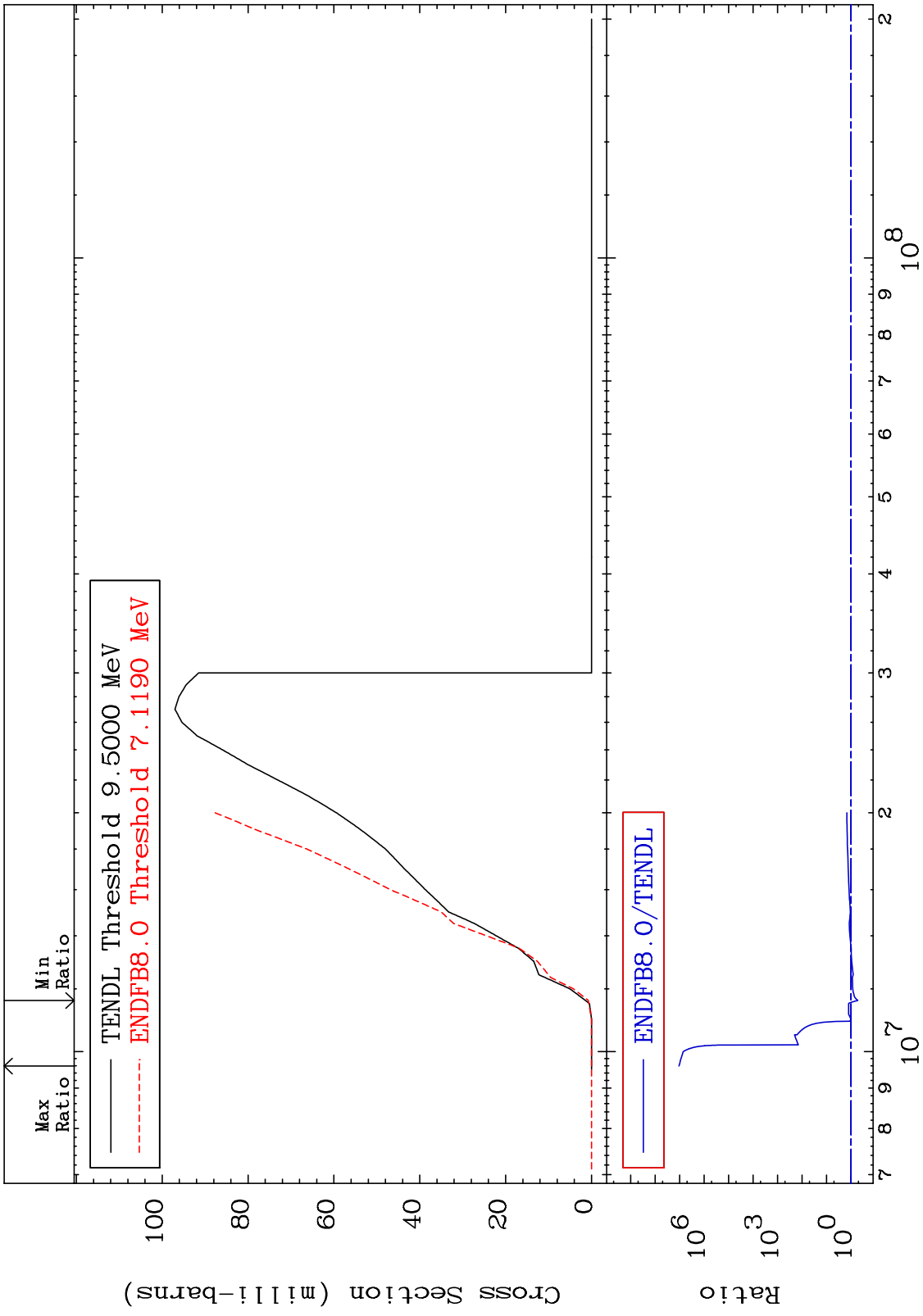
MAT 4025 (n,2n):40-Zr-89m1 40-Zr-90
 Radionuclide Production Cross Section -32.13 To 1.835 %



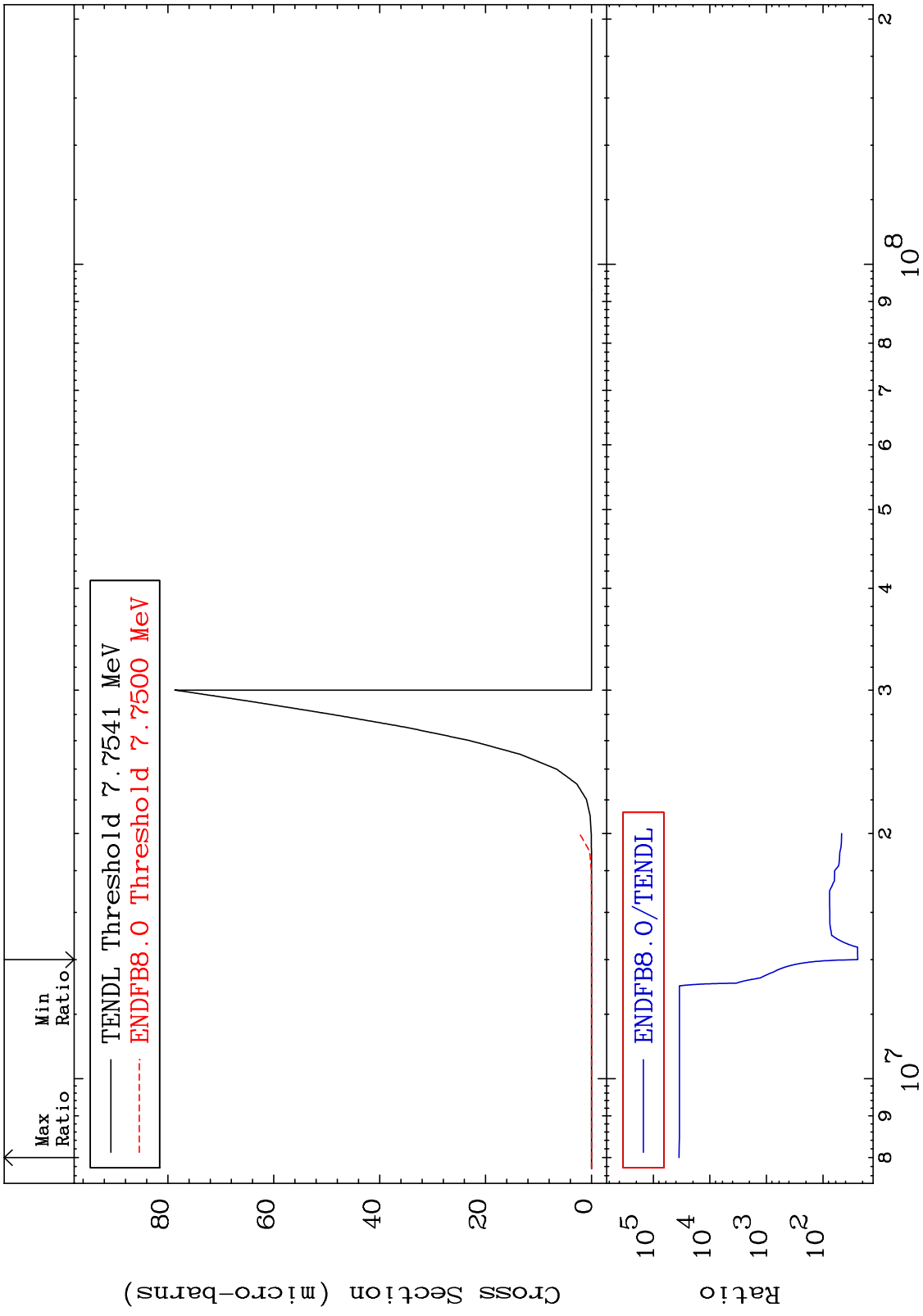
MAT 4025 (n,n') p:39-Y -89g 40-Zr-90
 Radionuclide Production Cross Section -72.45 To 9999. %



MAT 4025 (n,n') p:39-Y -89m1 40-Zr-90
 Radionuclide Production Cross Section -47.54 To 9999. %



MAT 4025 (n,p) α :37-Rb-86g 40-Zr-90
 Radionuclide Production Cross Section 2333. To 9999. %



MAT 4025 (n,p) α :37-Rb-86m2 40-Zr-90
 Radionuclide Production Cross Section 1563. To 9999. %

