

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

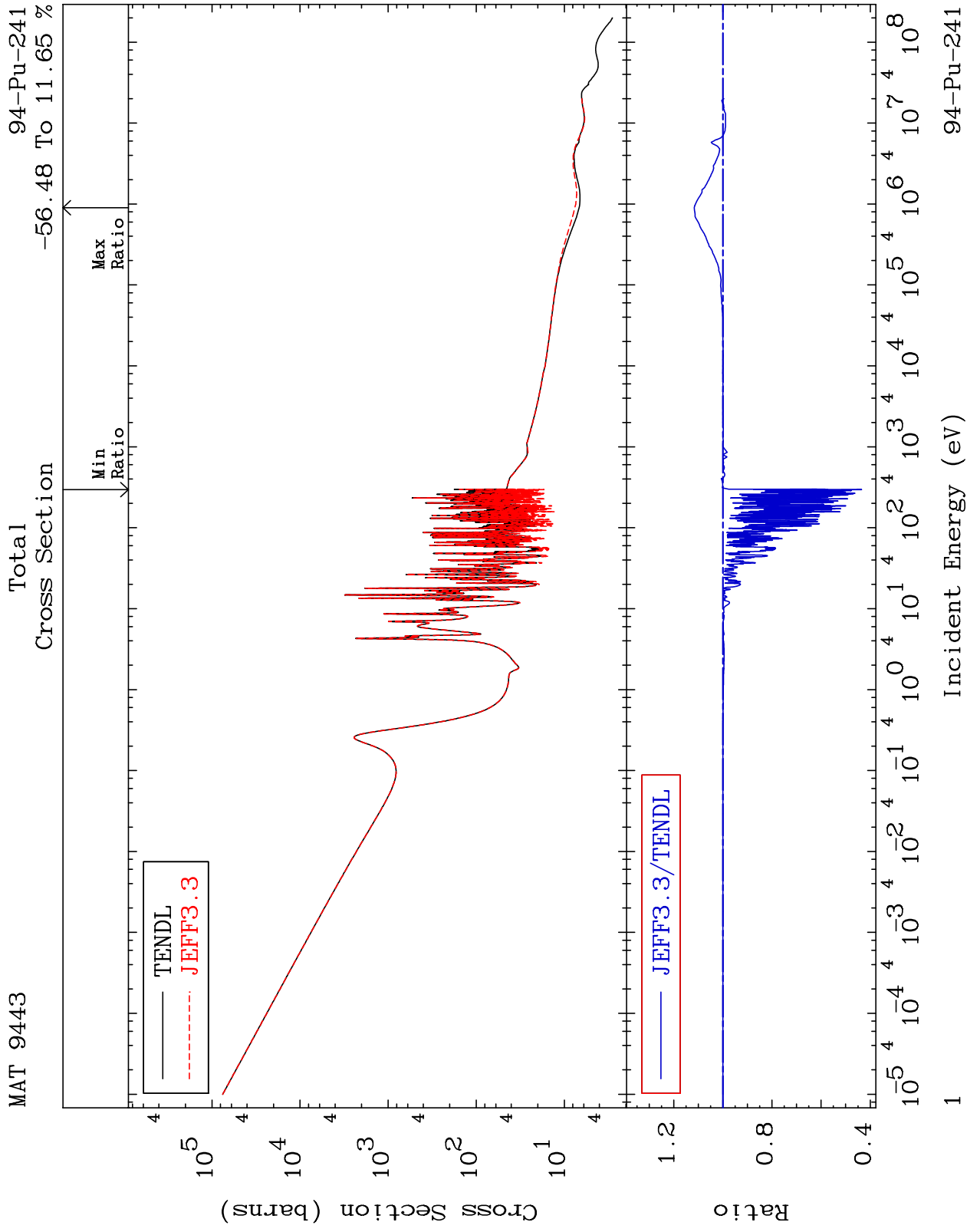
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Livermore, CA 94550

U.S.A.

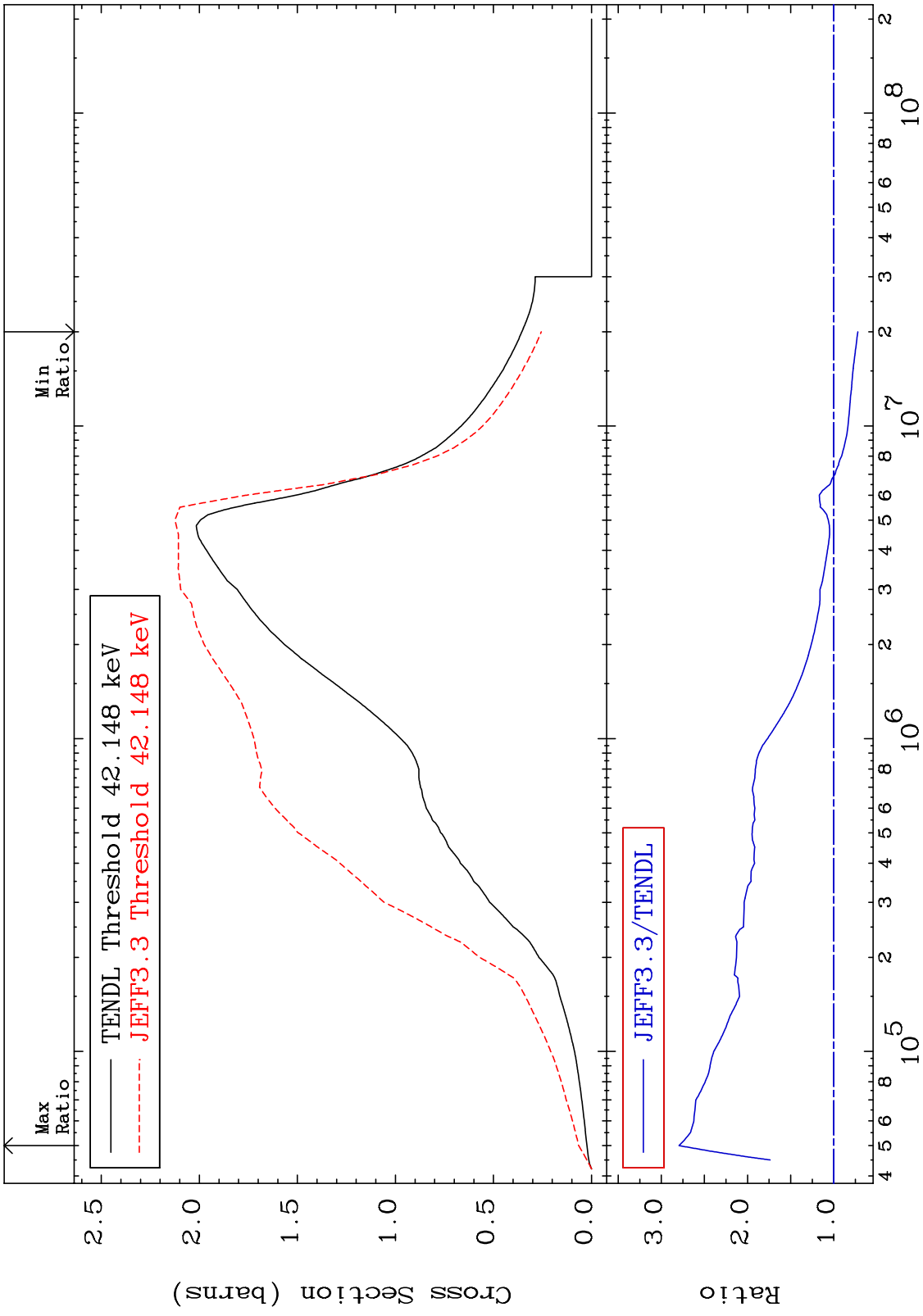
Tele: 925-443-1911

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

Press Mouse Button to Start

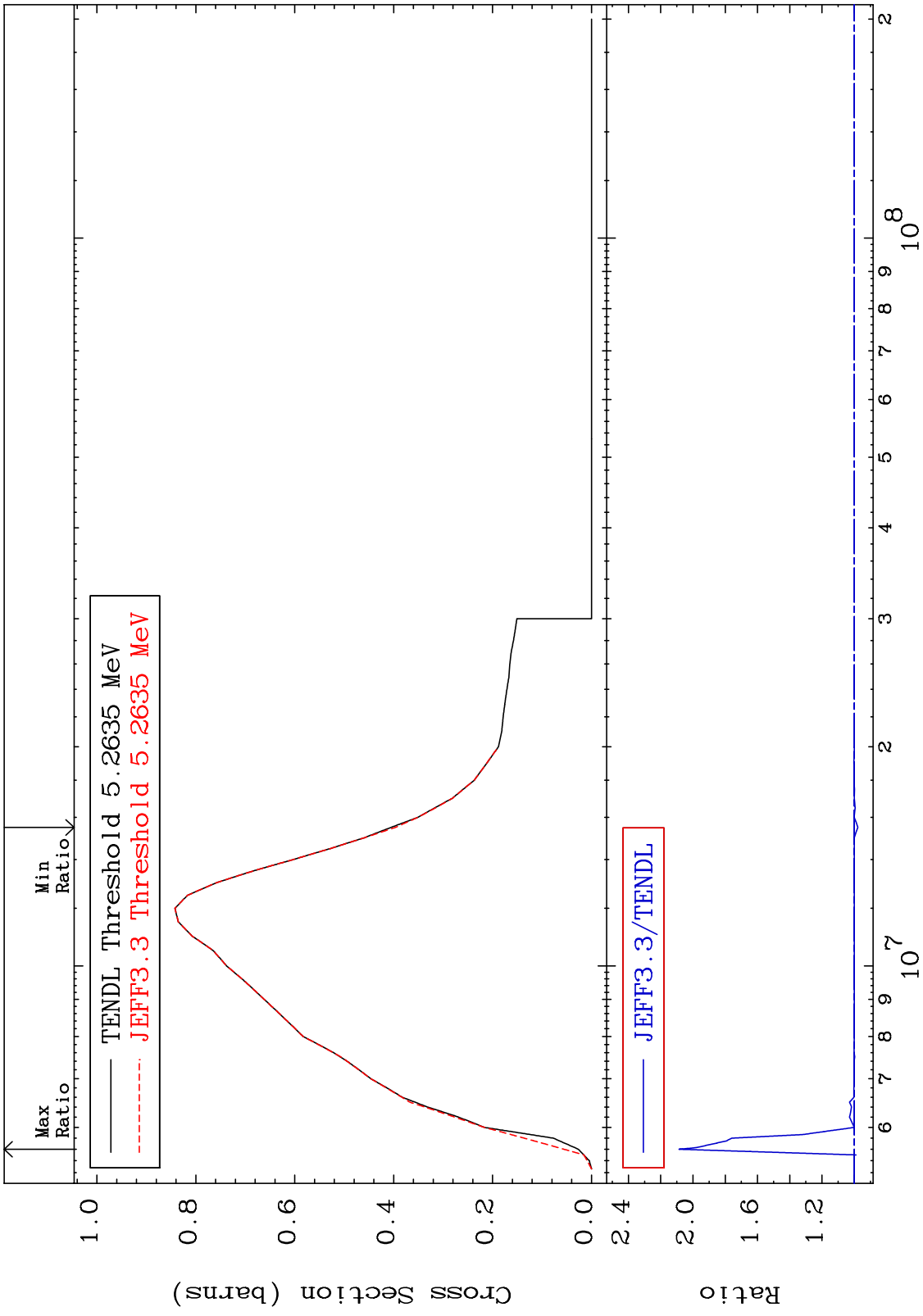


MAT 9443 Inelastic Cross Section 94-Pu-241 -27.88 To 179.4 %

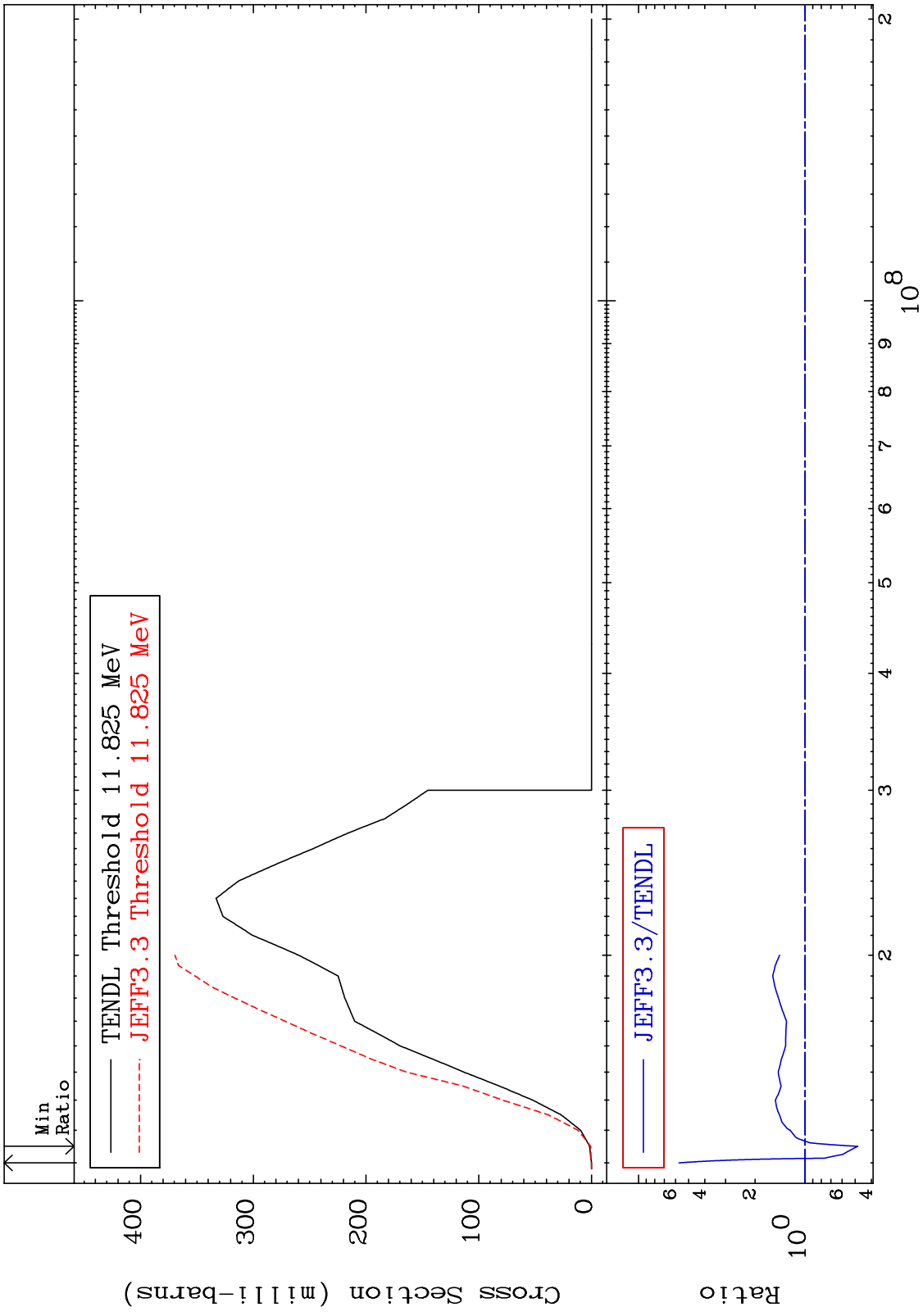


3 94-Pu-241

MAT 9443 94-Pu-241
-2.232 To 108.6 %
 (n,2n)
 Cross Section



MAT 9443 (n,3n) Cross Section 94-Pu-241 -51.74 To 471.2 %

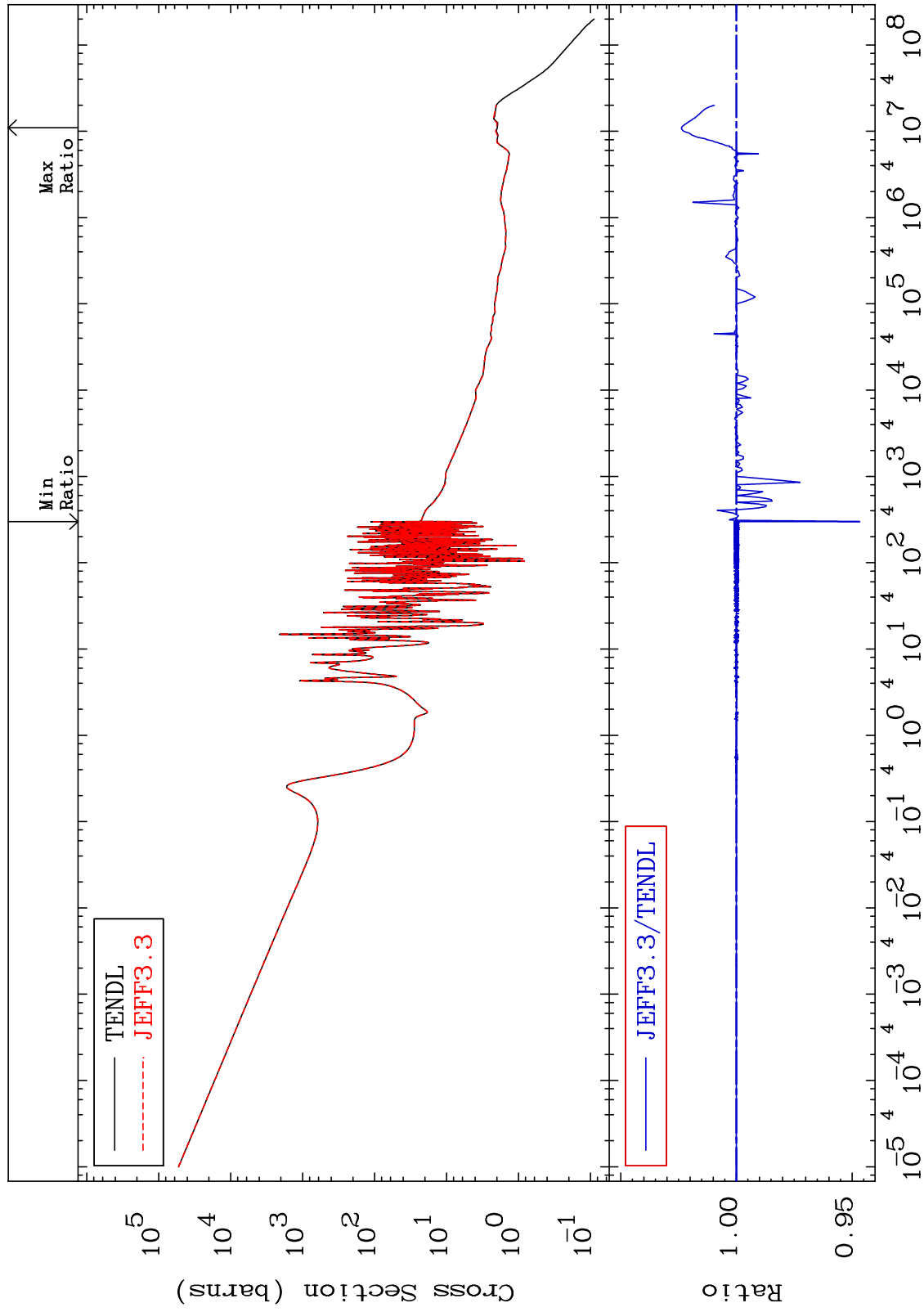


5 94-Pu-241 Incident Energy (eV)

MAT 9443

Fission
Cross Section

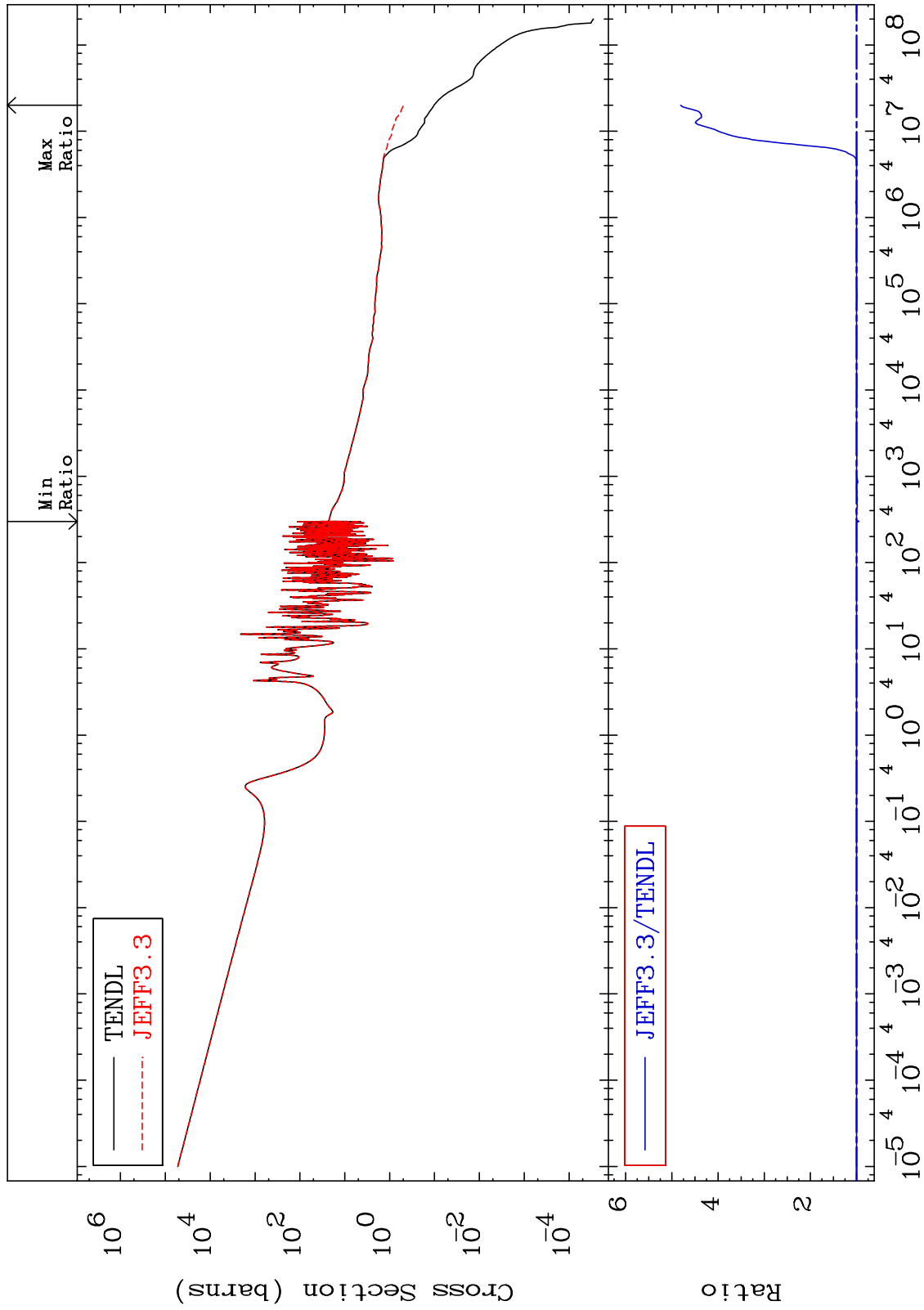
94-Pu-241
-5.337 To 2.378 %



MAT 9443

(n,f) First Chance
Cross Section

94-Pu-241
-5.337 To 381.0 %

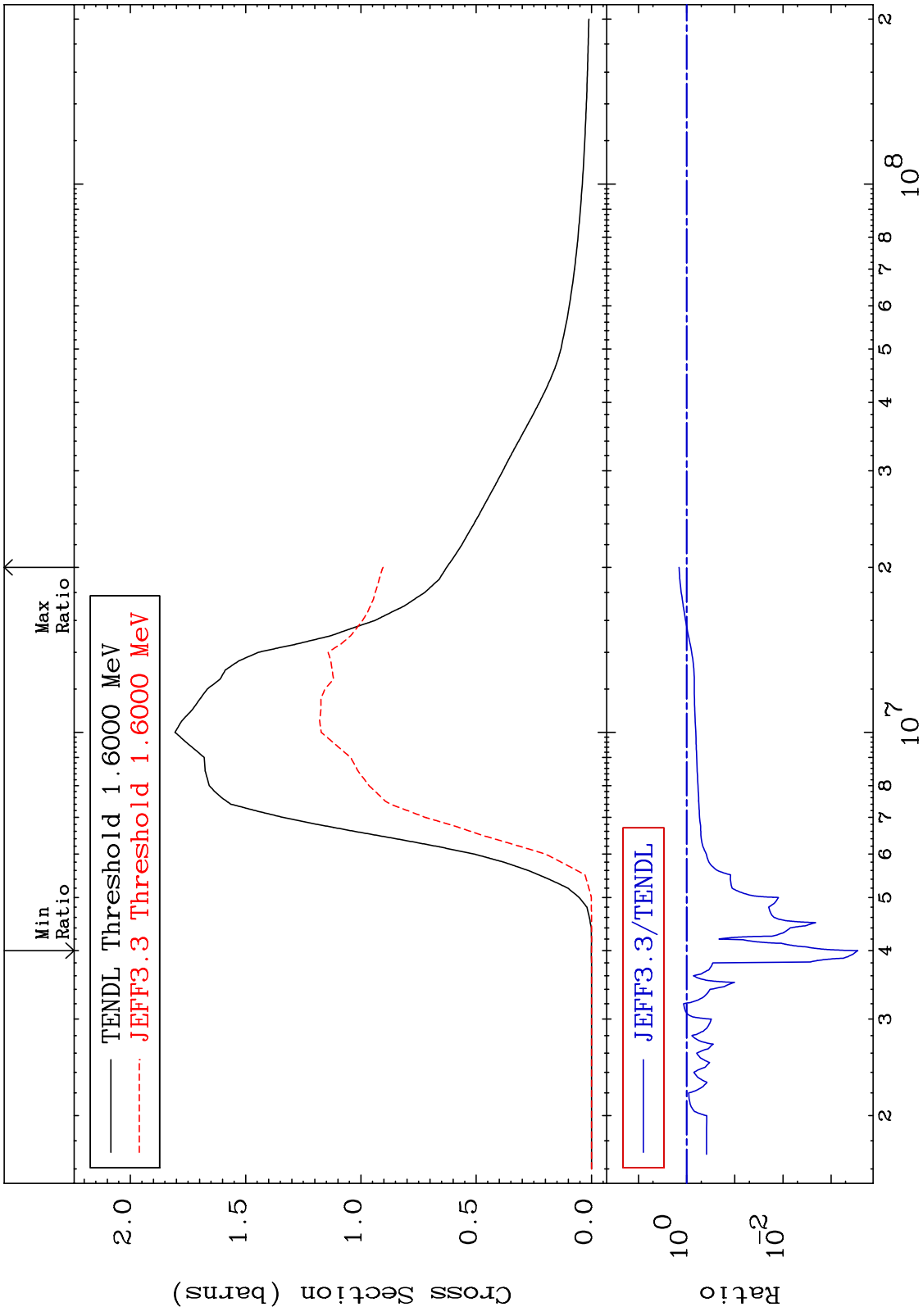


7

Incident Energy (eV)

94-Pu-241

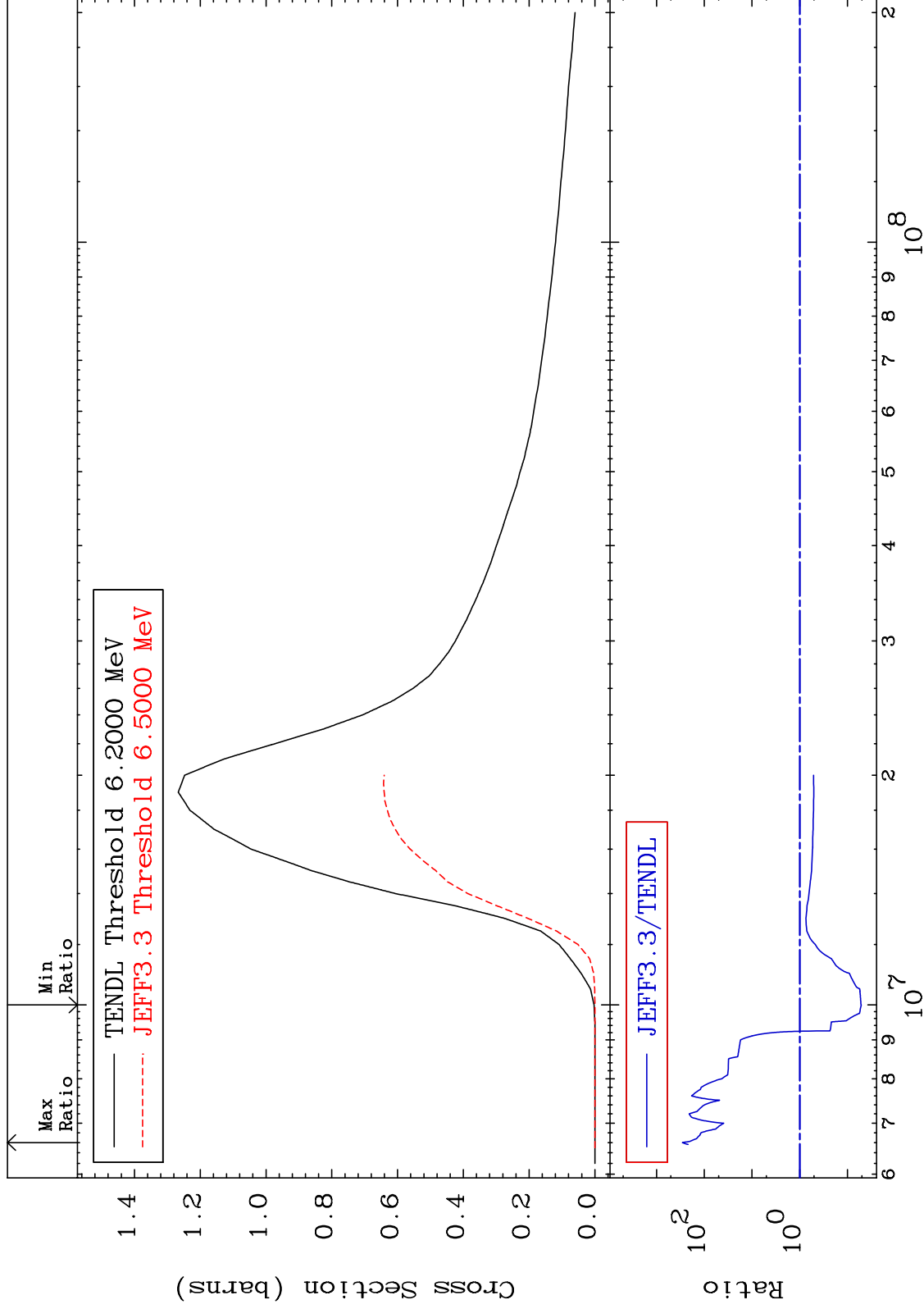
MAT 9443 (n,nf) Second Chance Cross Section 94-Pu-241 -99.97 To 44.05 %



MAT 9443

(n,2nf) Third Chance
Cross Section

94-Pu-241
-94.87 To 9999. %

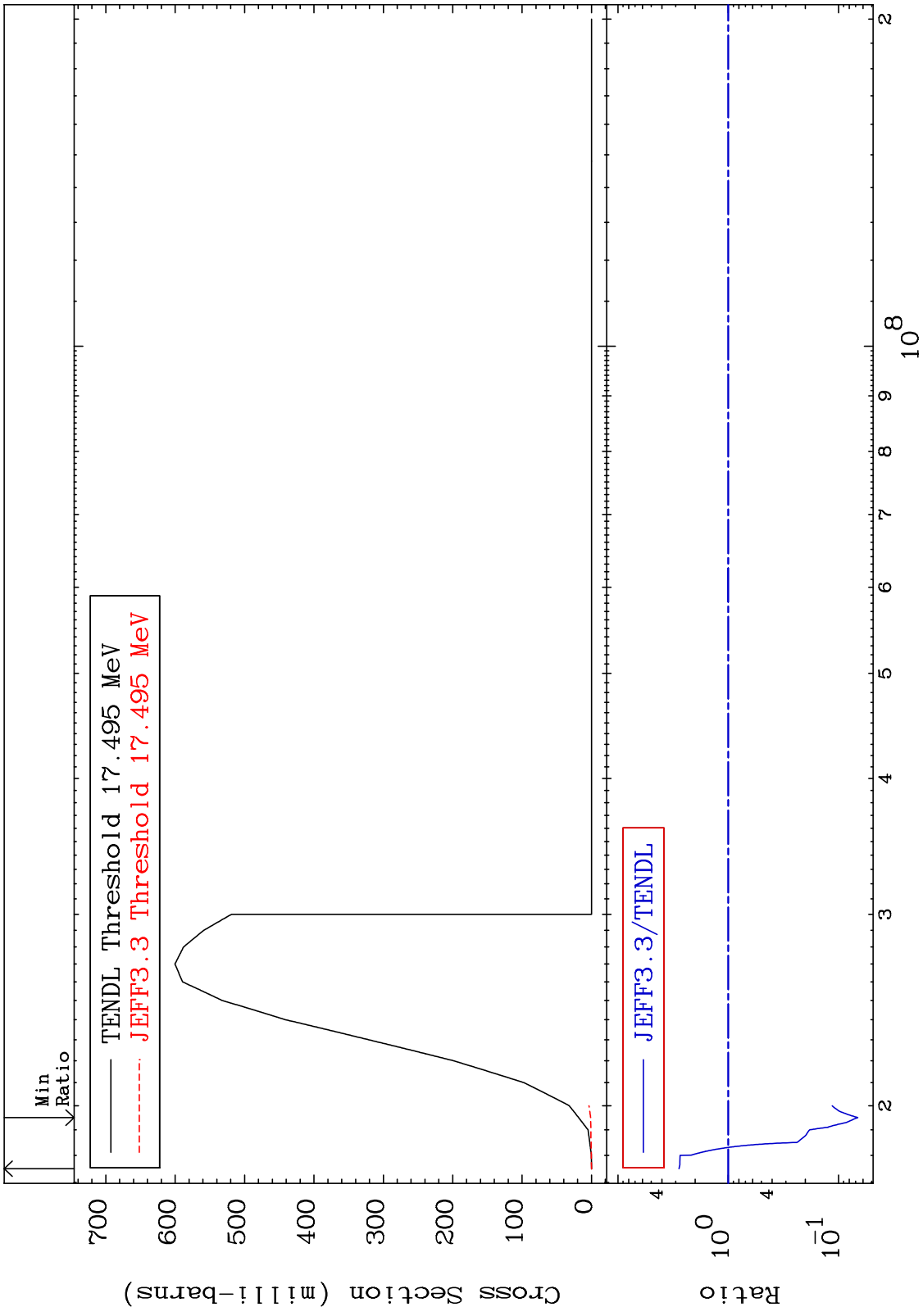


9

Incident Energy (eV)

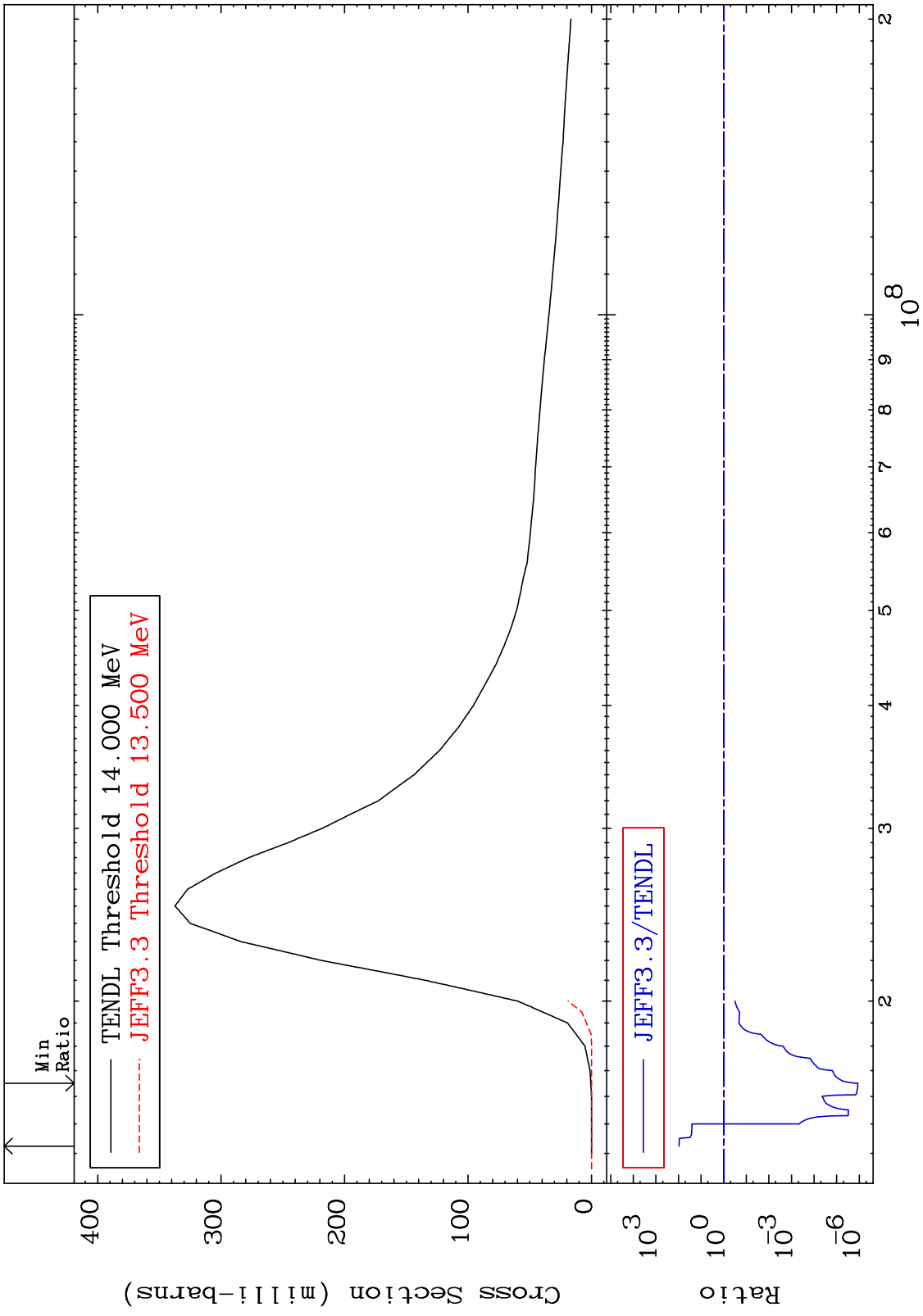
94-Pu-241

MAT 9443 (n,4n) Cross Section 94-Pu-241 -93.32 To 179.5 %

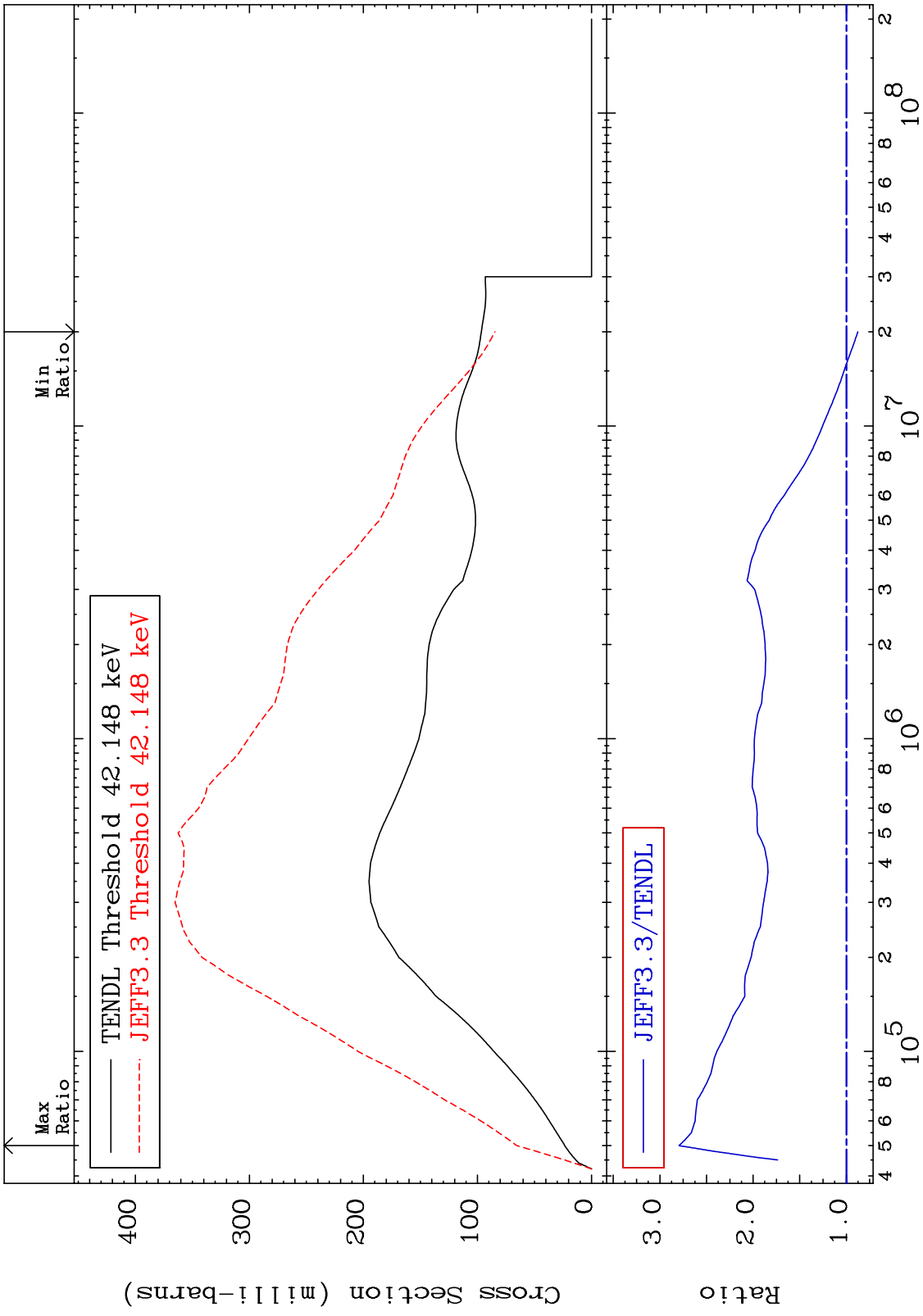


10 Incident Energy (eV) 94-Pu-241

MAT 9443 (n,3nf) Fourth Chance Cross Section 94-Pu-241 -100.0 To 9367. %

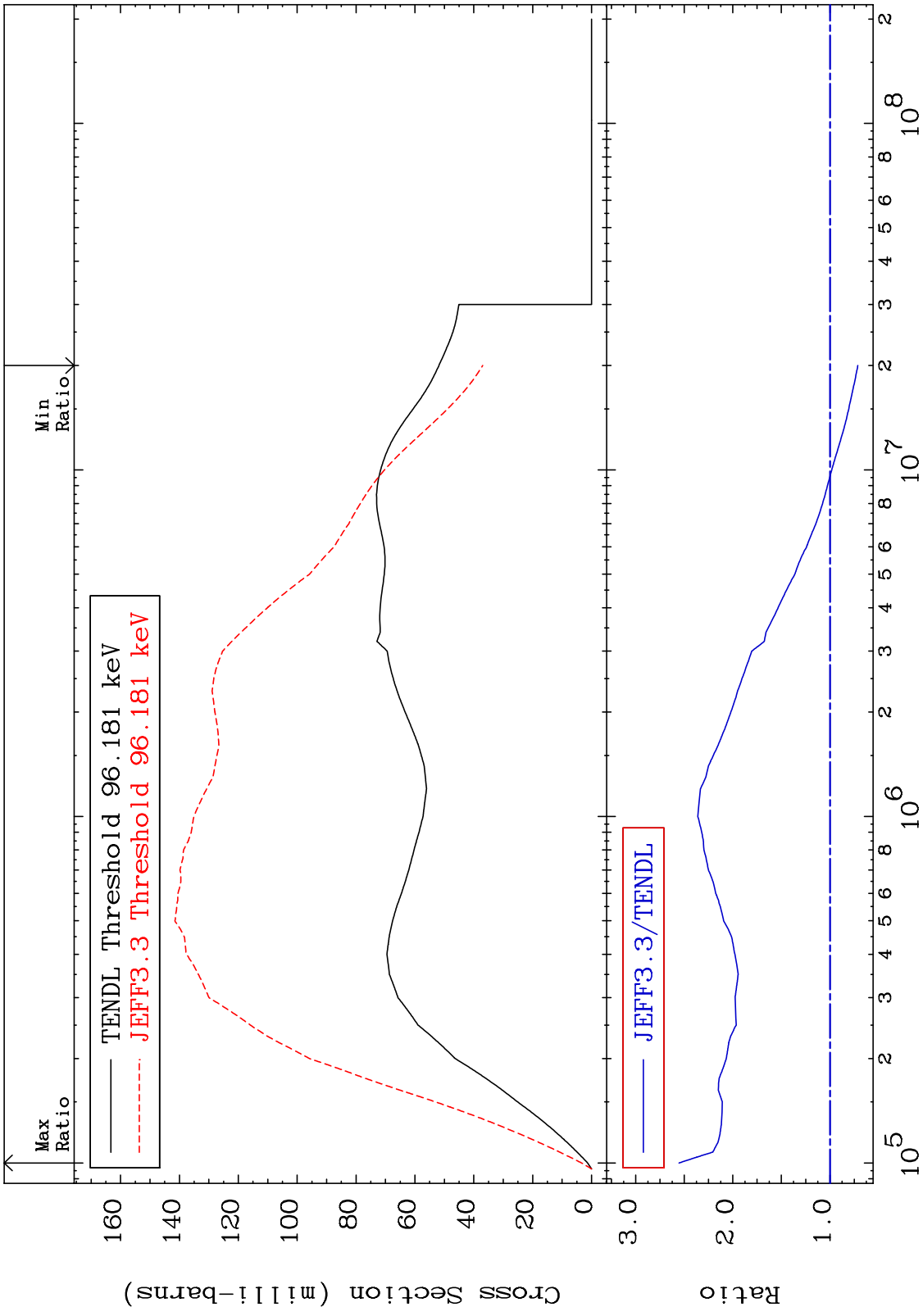


MAT 9443 MT= 51 (n,n') Level 94-Pu-241
 Cross Section -12.33 To 179.4 %

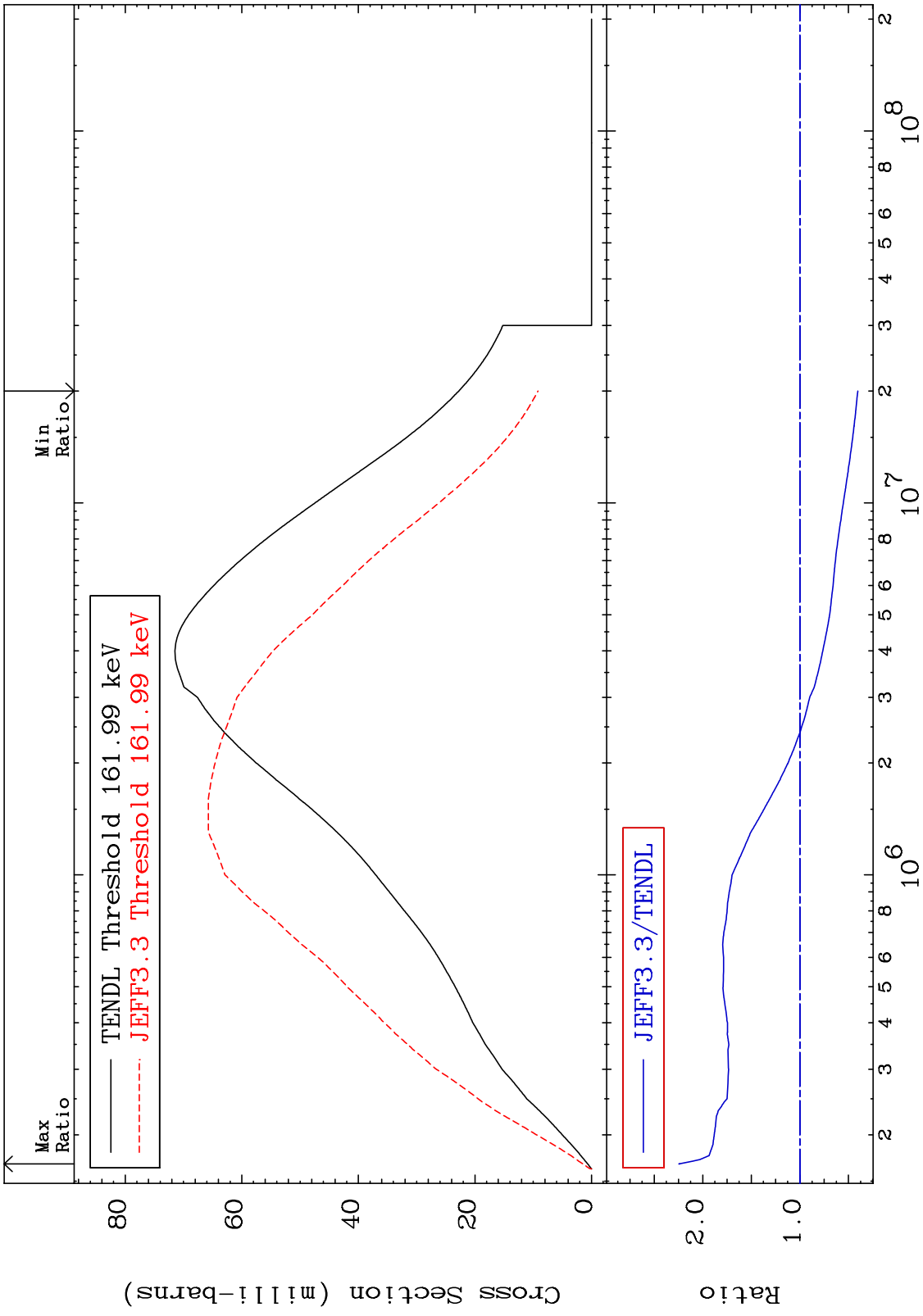


12 94-Pu-241

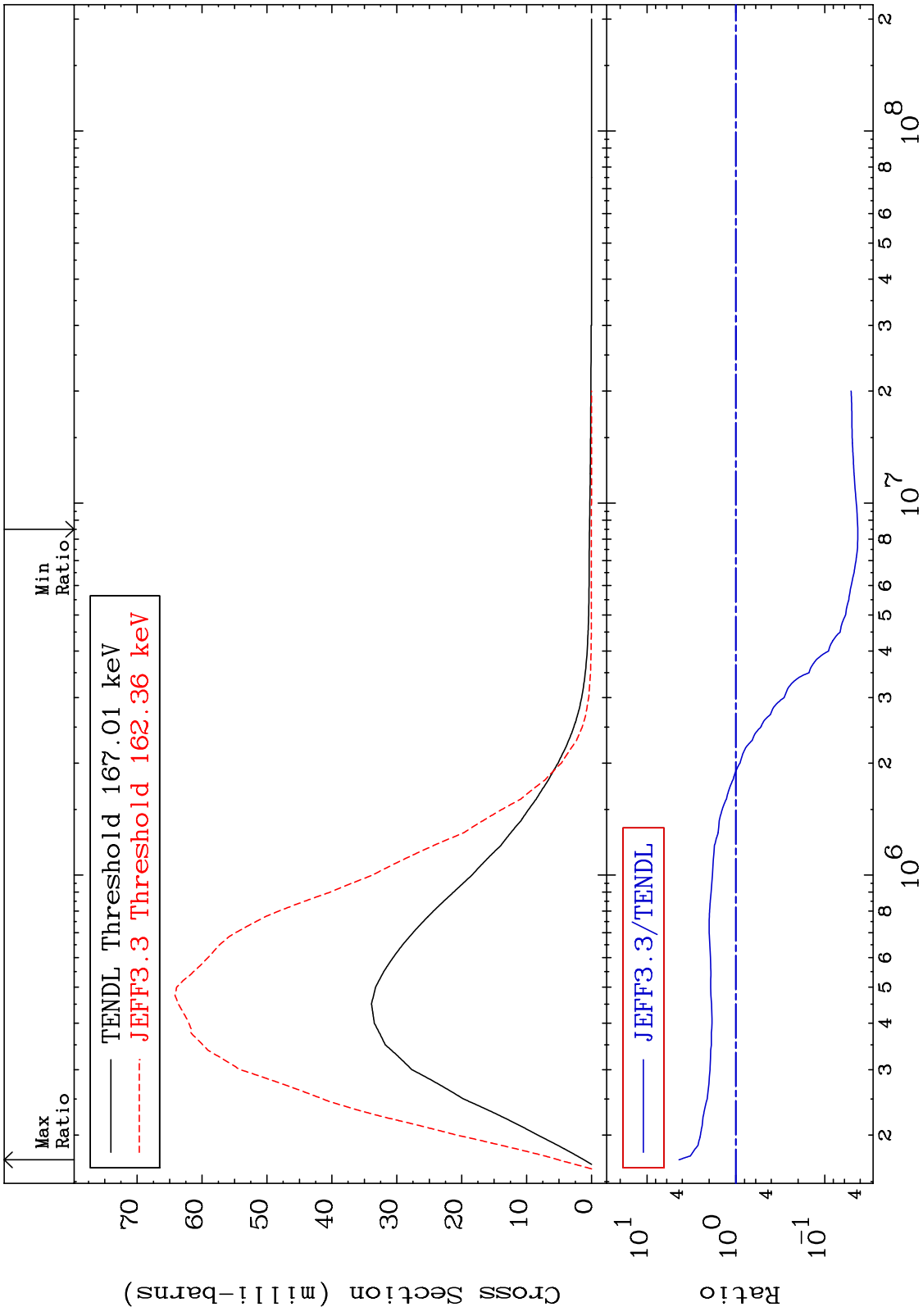
MAT 9443 MT= 52 (n,n') Level Cross Section 94-Pu-241
 -28.73 To 155.4 %



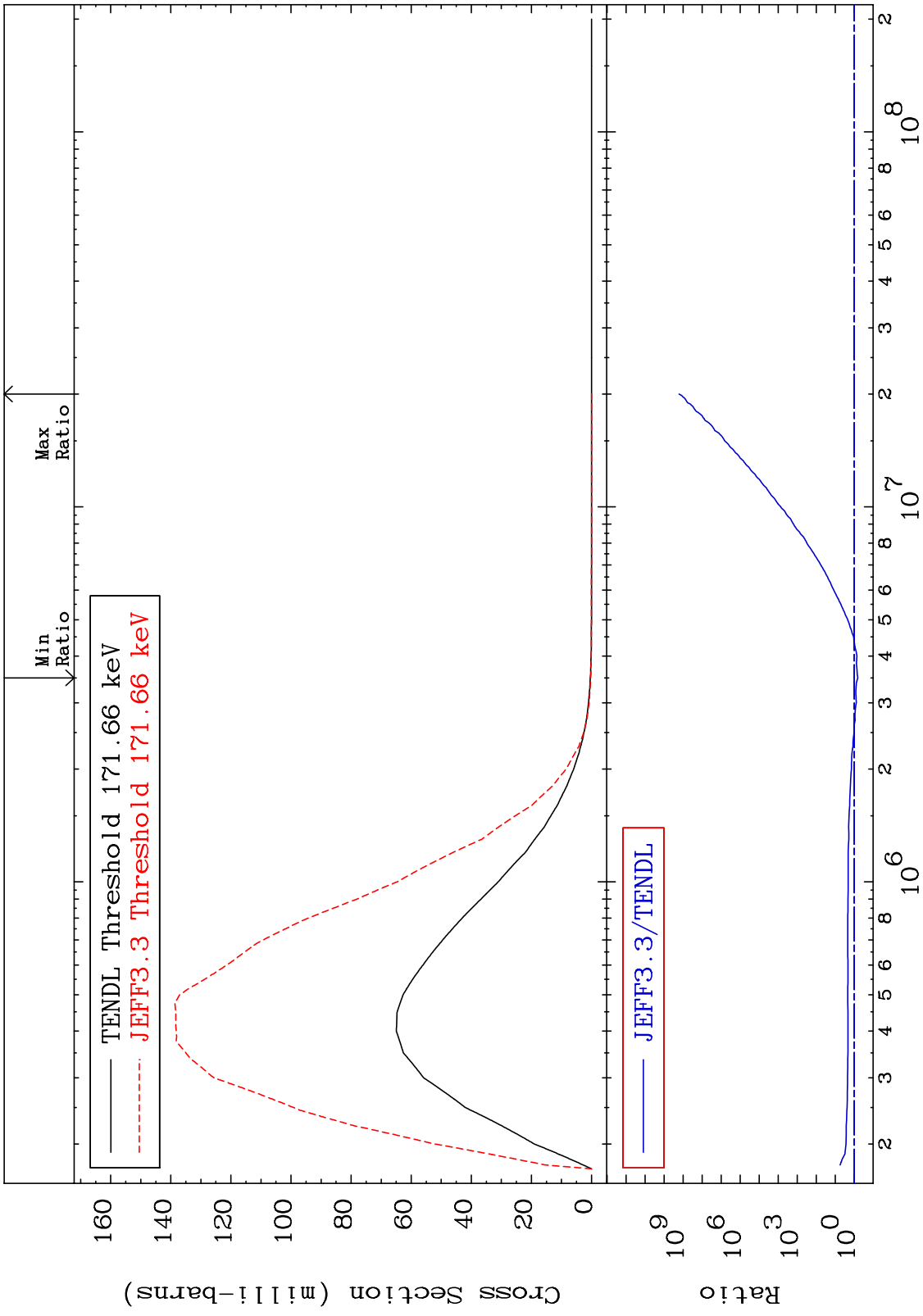
MAT 9443 MT= 53 (n,n') Level Cross Section 94-Pu-241
 -59.72 To 124.5 %



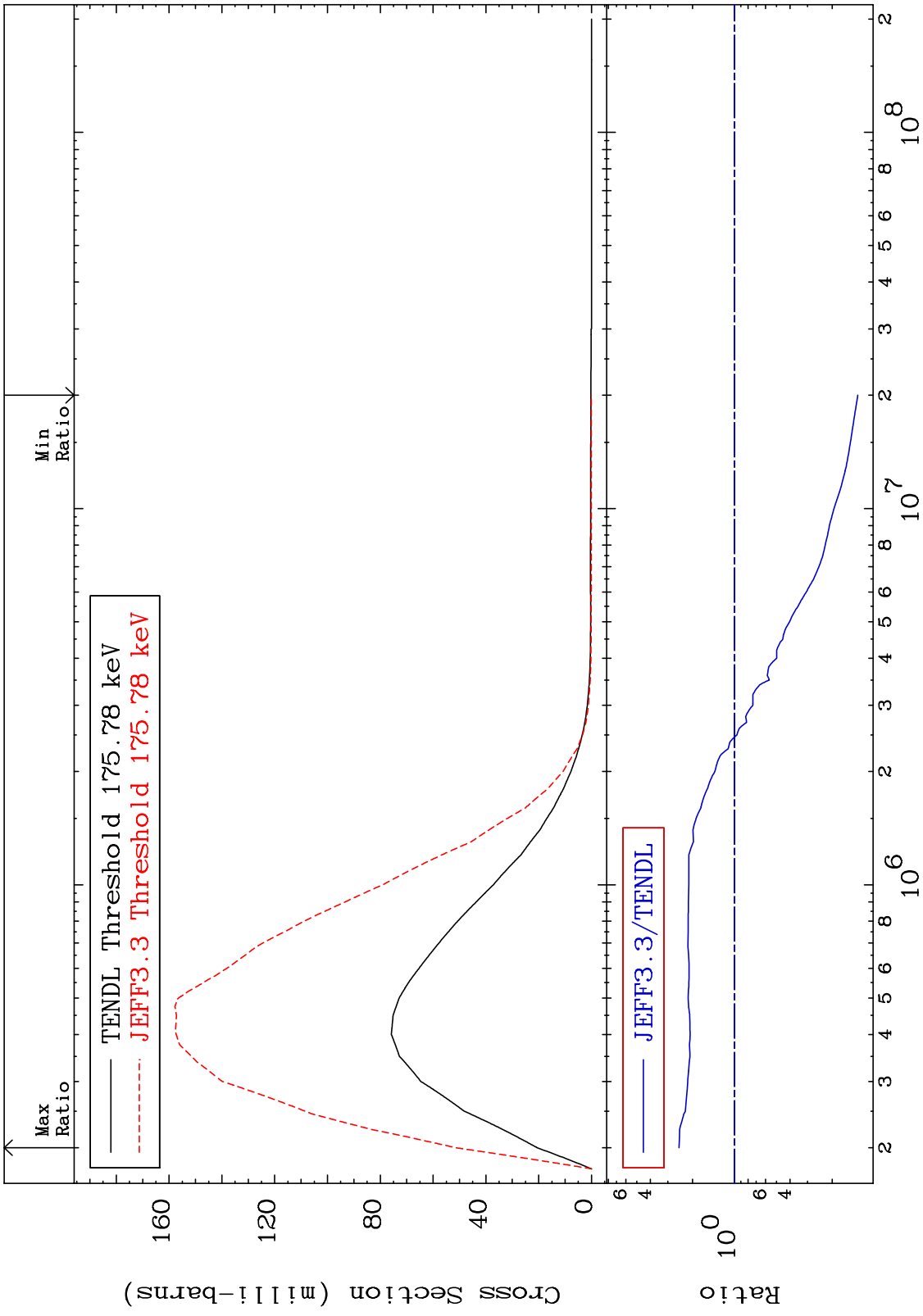
MAT 9443 MT= 54 (n,n') Level Cross Section 94-Pu-241
 -95.75 To 335.8 %



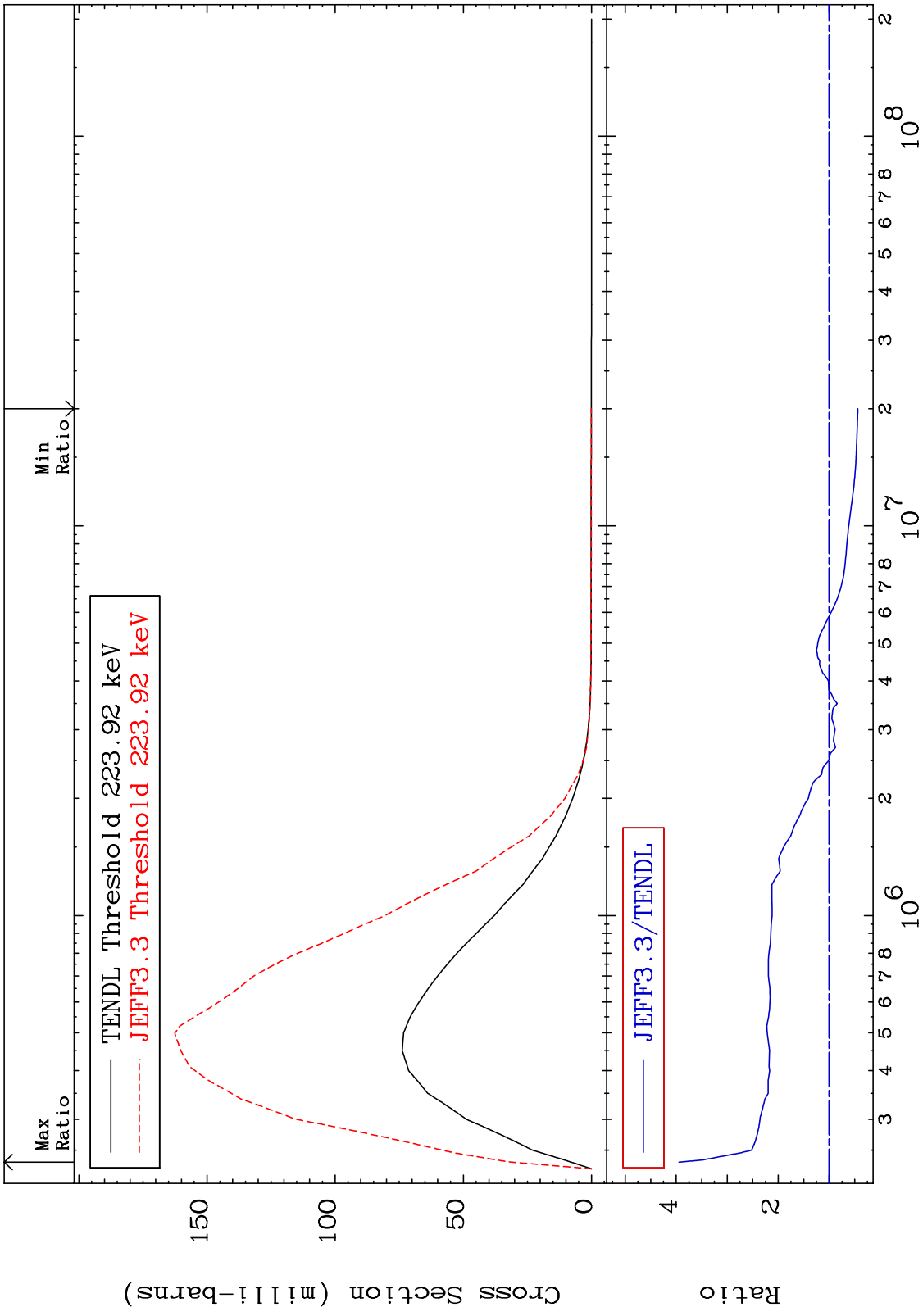
MAT 9443 MT= 55 (n,n') Level Cross Section 94-Pu-241
 -35.24 To 9999. %



MAT 9443 MT= 56 (n,n') Level Cross Section -86.91 To 149.5 % 94-Pu-241

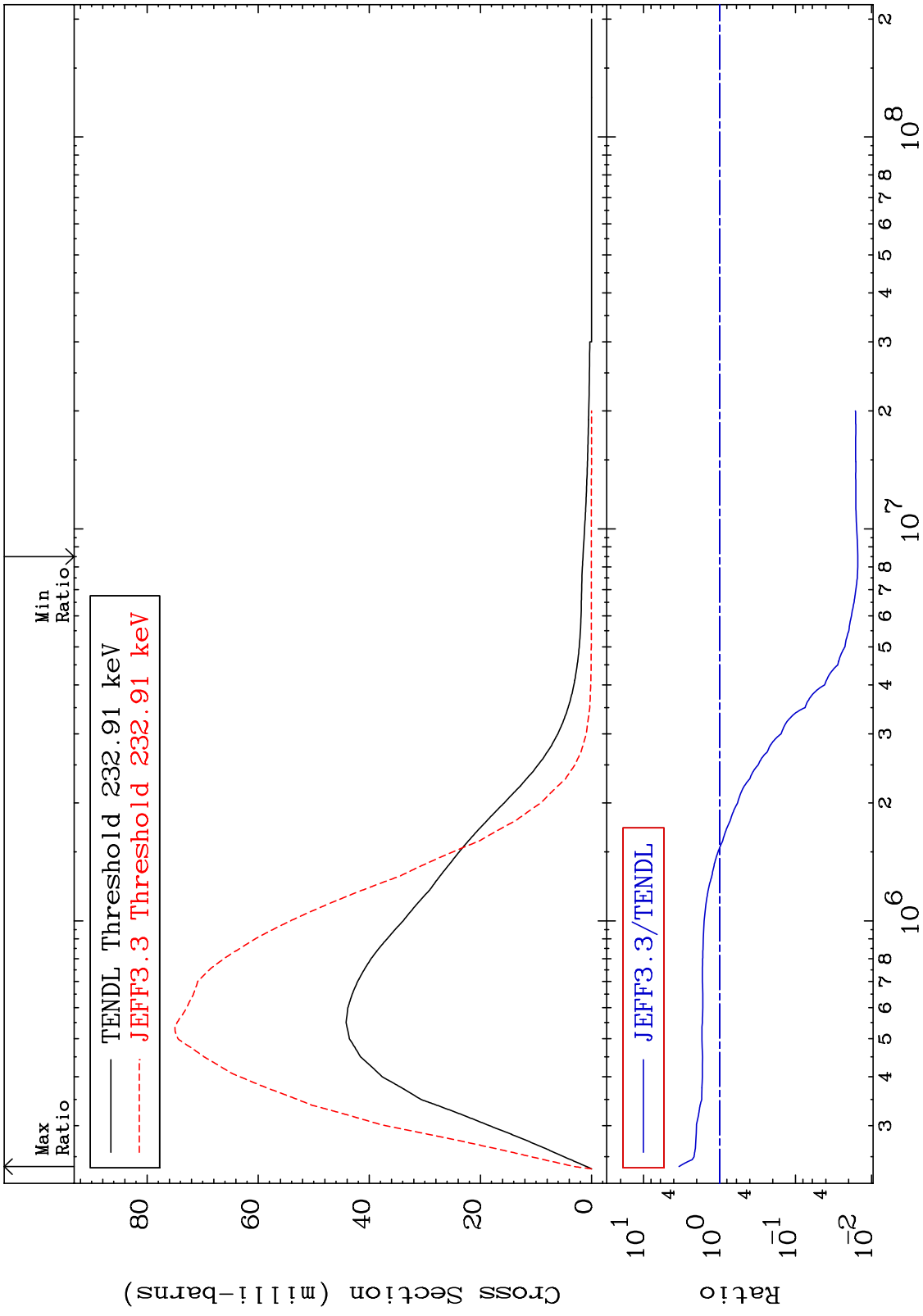


MAT 9443 MT= 57 (n,n') Level Cross Section 94-Pu-241
 -56.03 To 294.5 %

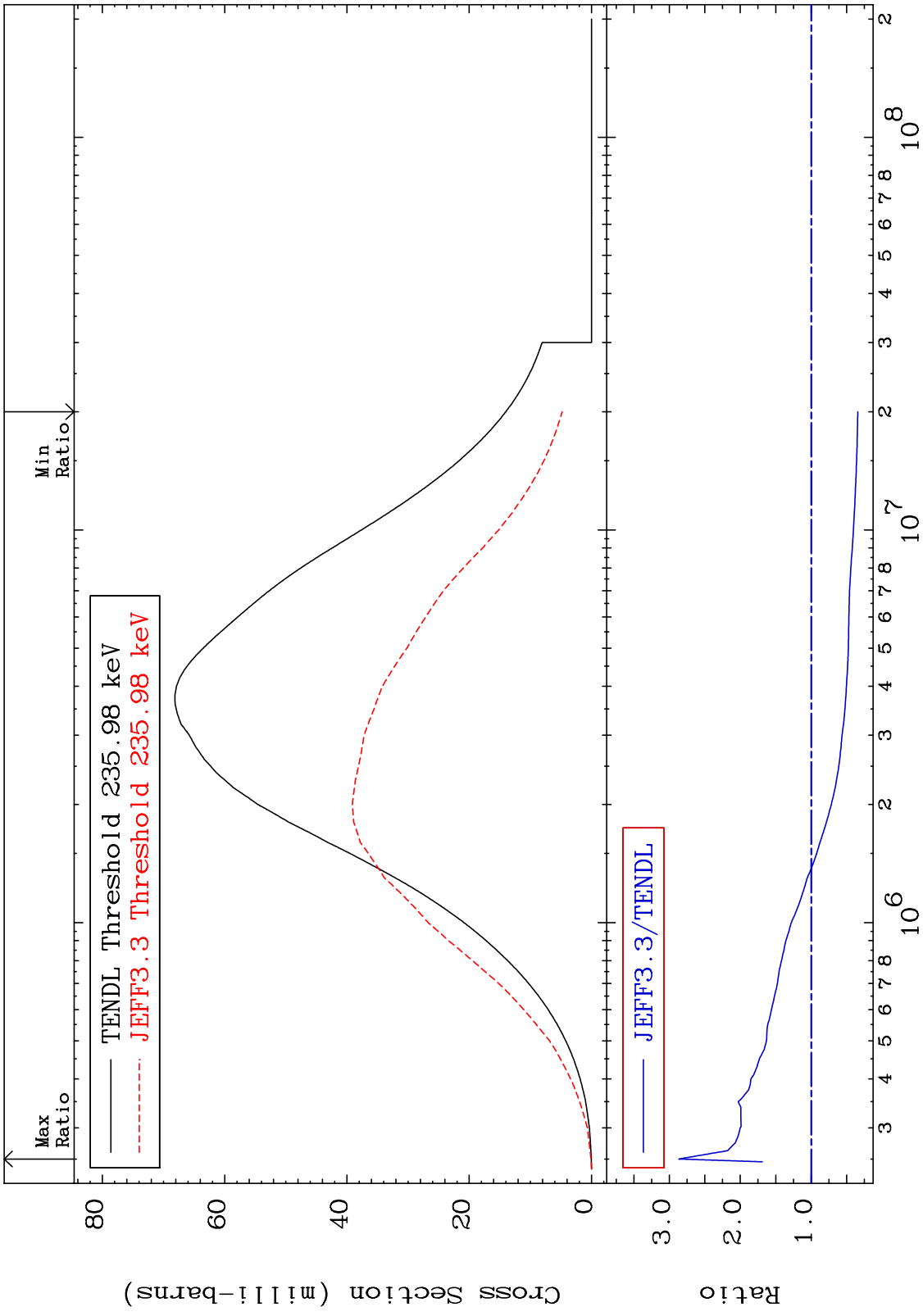


18 Incident Energy (eV) 94-Pu-241

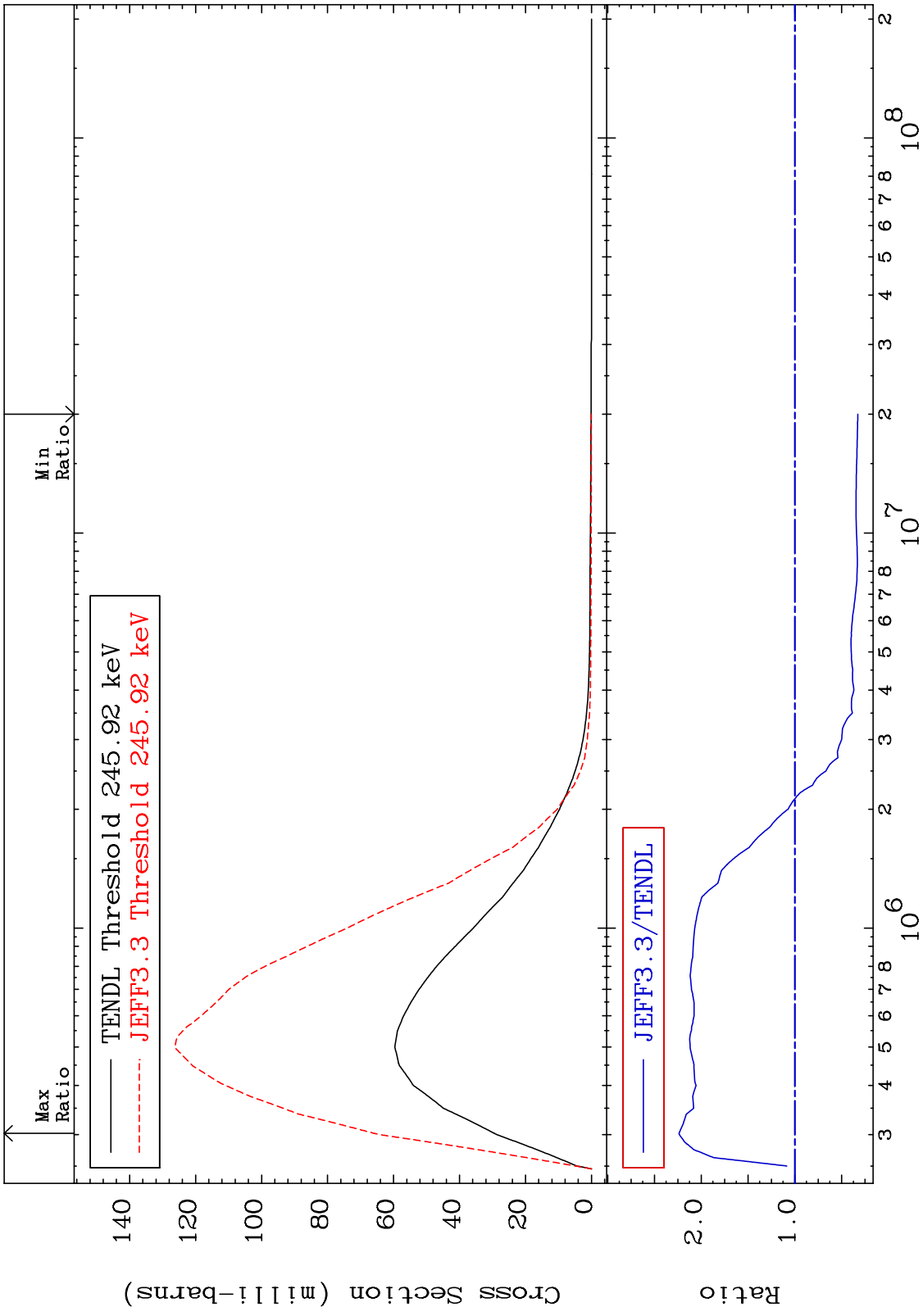
MAT 9443 MT= 58 (n,n') Level 94-Pu-241
 Cross Section -98.48 To 241.5 %



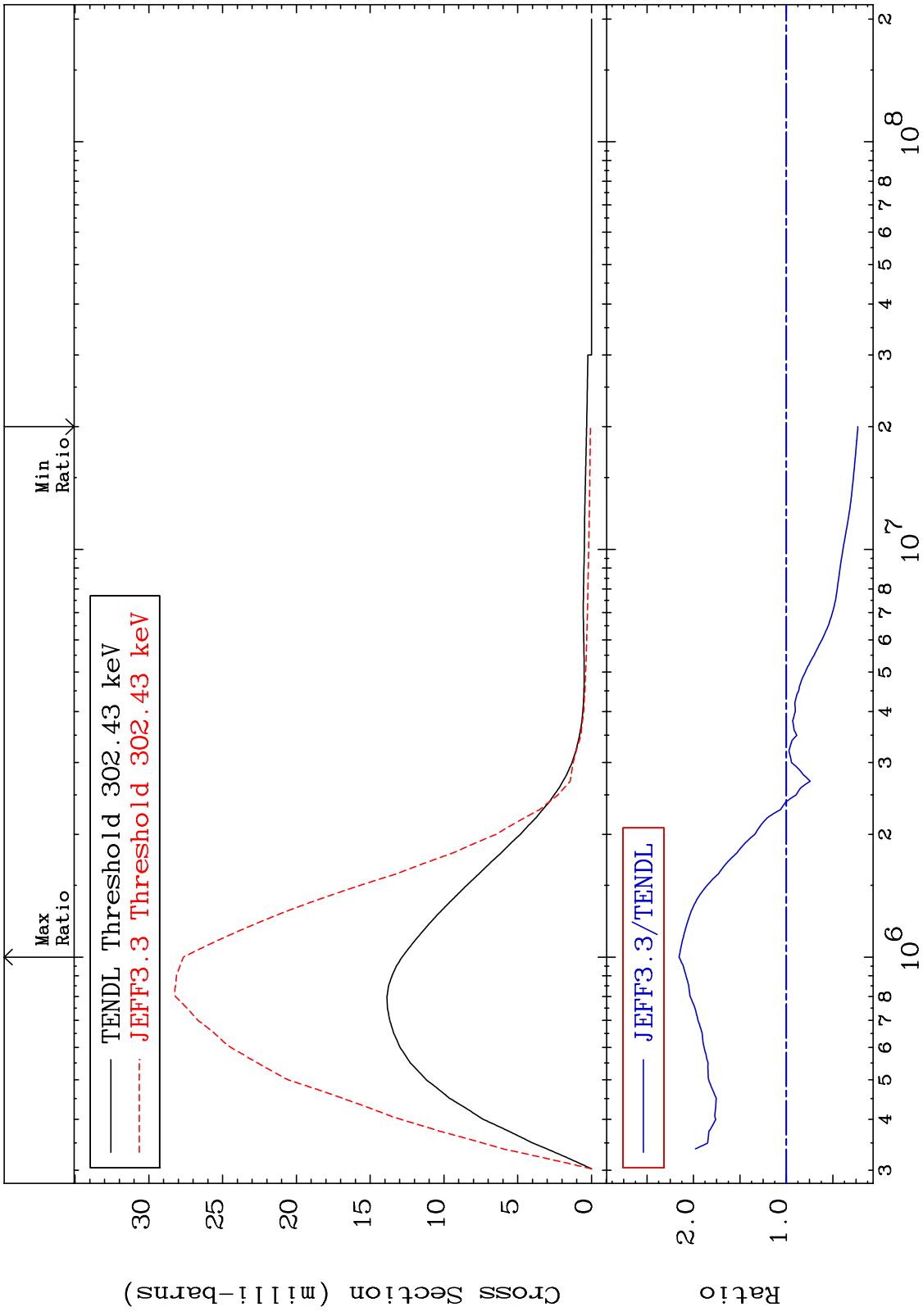
MAT 9443 MT= 59 (n,n') Level Cross Section 94-Pu-241
 -65.77 To 186.3 %



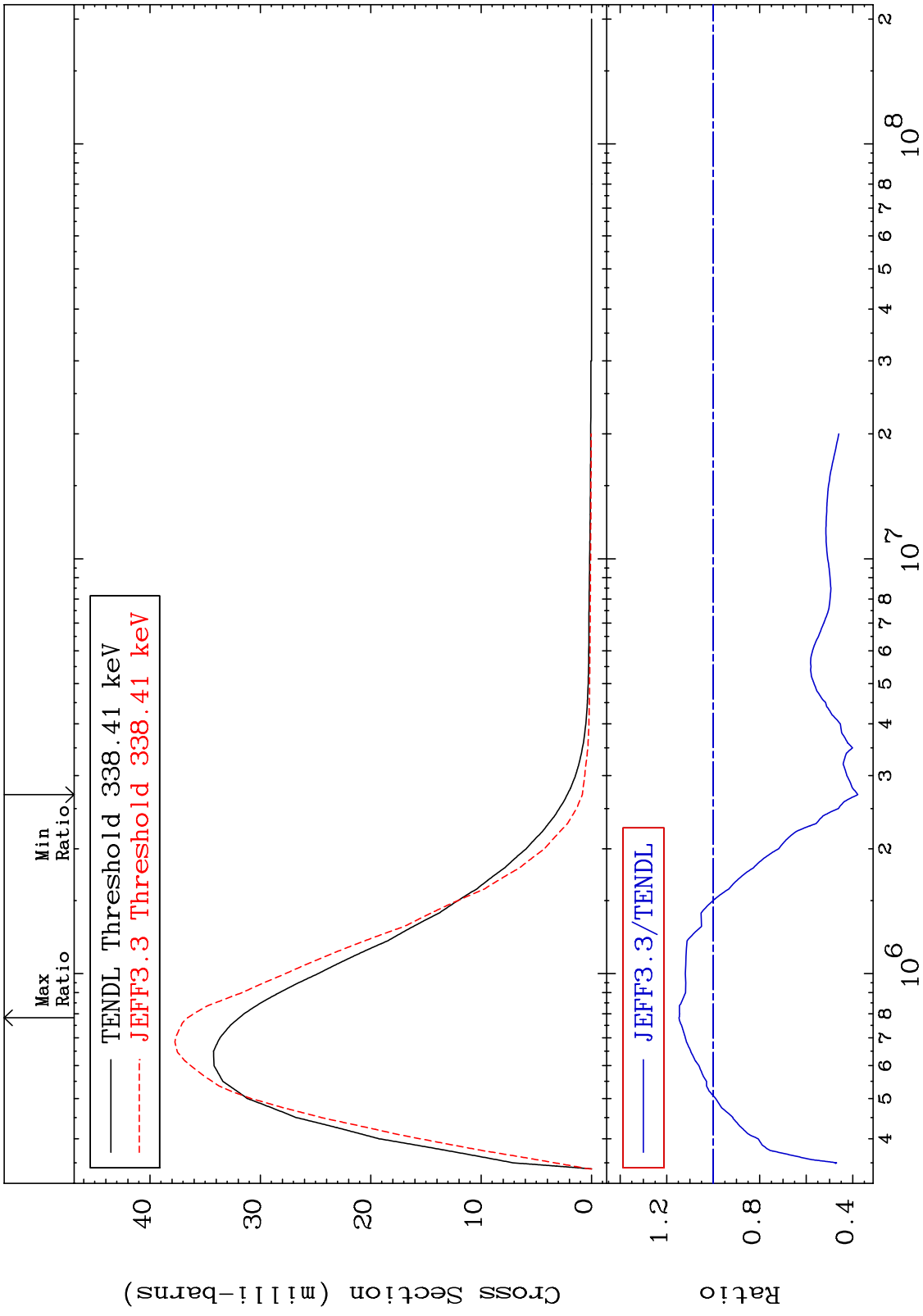
MAT 9443 MT= 60 (n,n') Level Cross Section 94-Pu-241
 -67.33 To 123.7 %



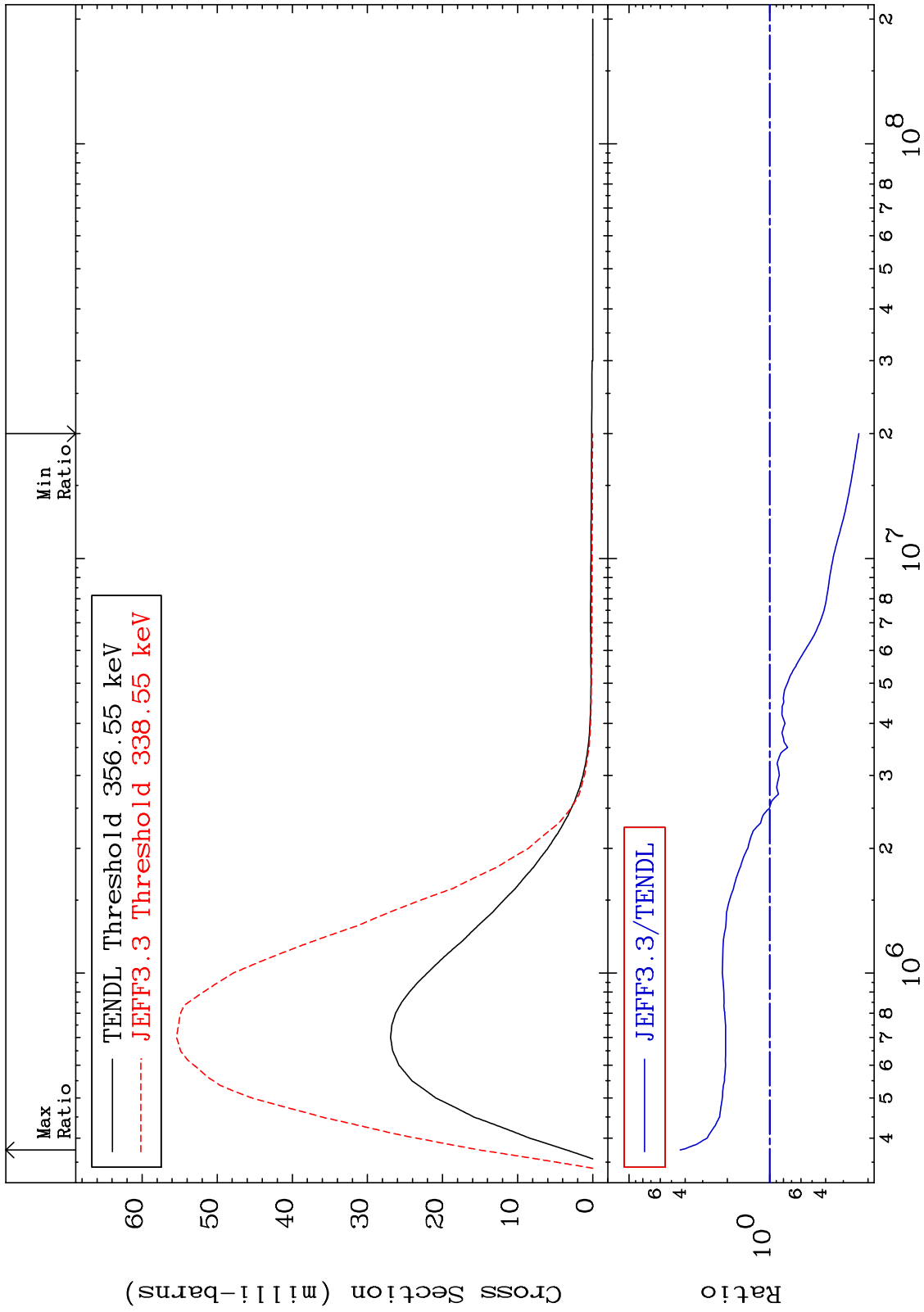
MAT 9443 MT= 61 (n,n') Level Cross Section 94-Pu-241
 -76.94 To 115.5 %



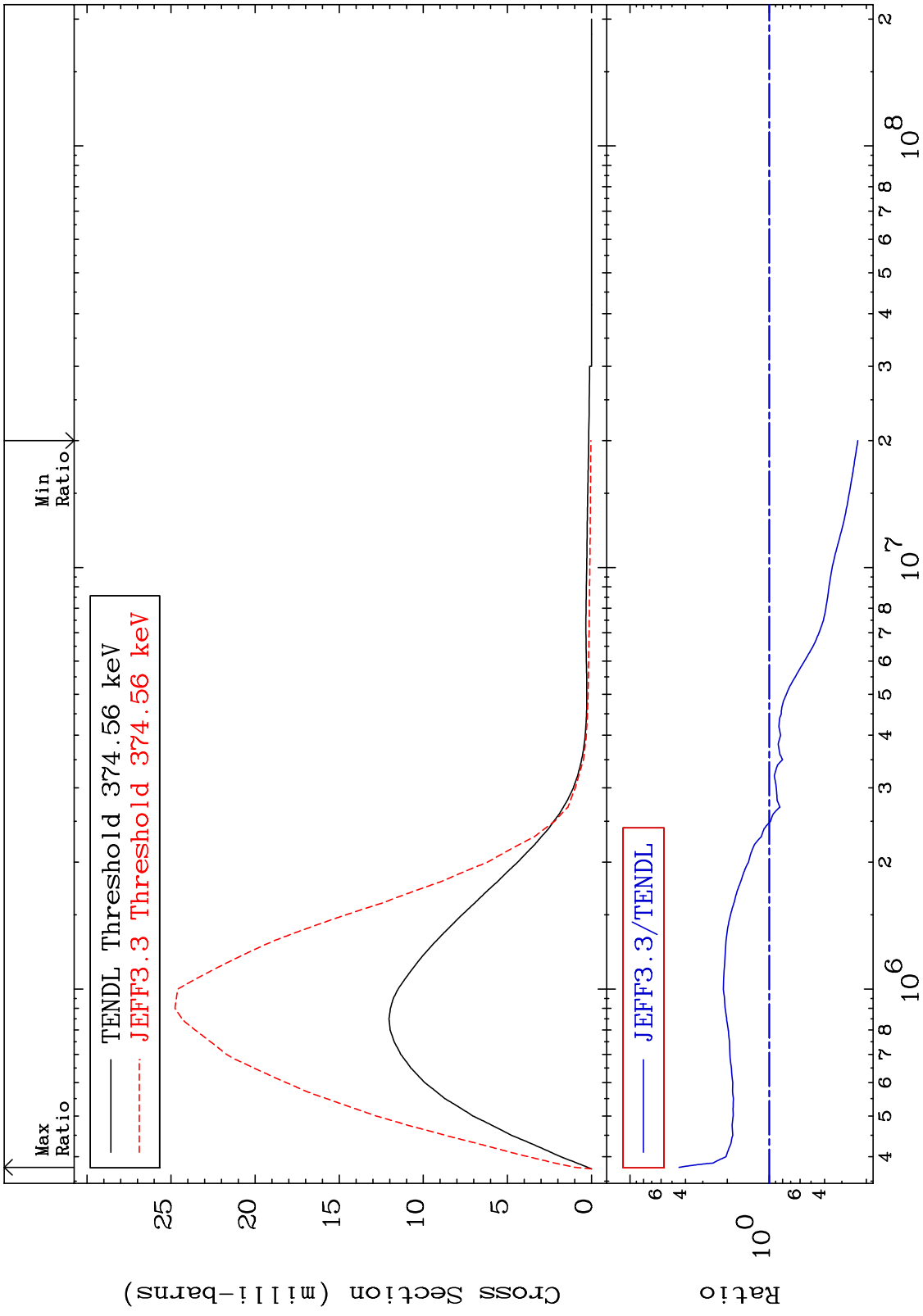
MAT 9443 MT= 62 (n,n') Level Cross Section 94-Pu-241
 -62.19 To 14.68 %



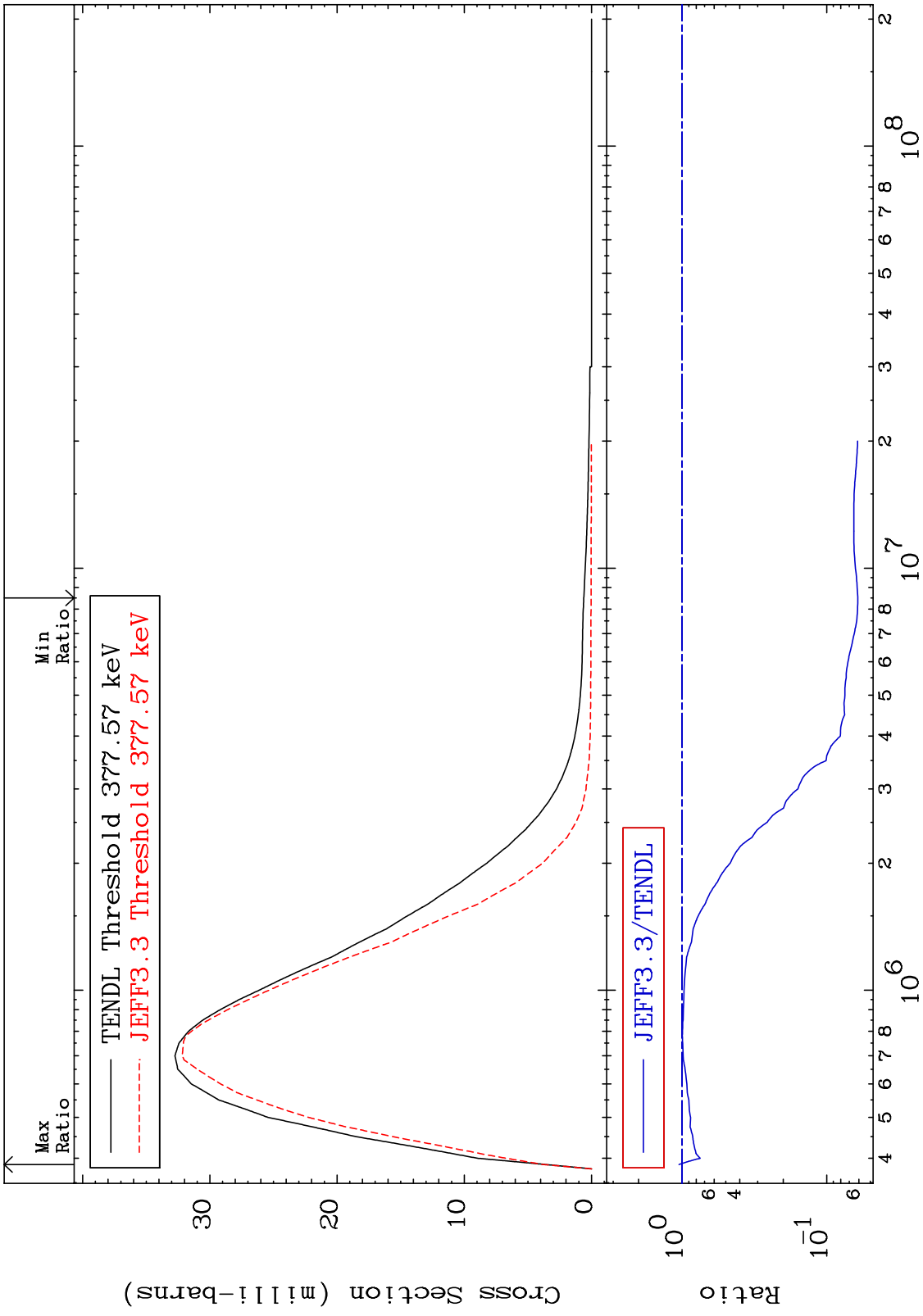
MAT 9443 MT= 63 (n,n') Level Cross Section 94-Pu-241
 -76.75 To 333.1 %



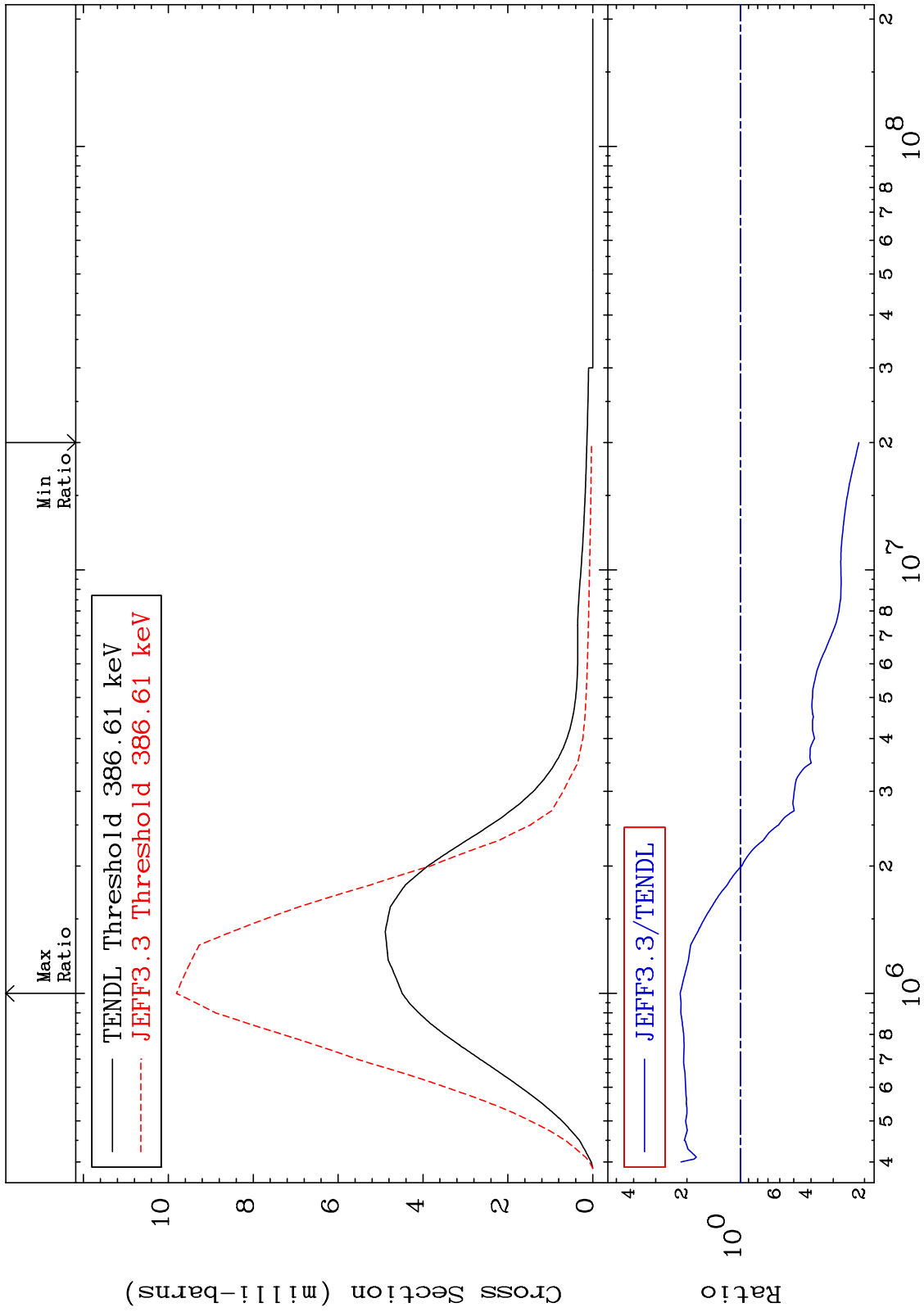
MAT 9443 MT= 64 (n,n') Level Cross Section 94-Pu-241
 -76.97 To 344.6 %



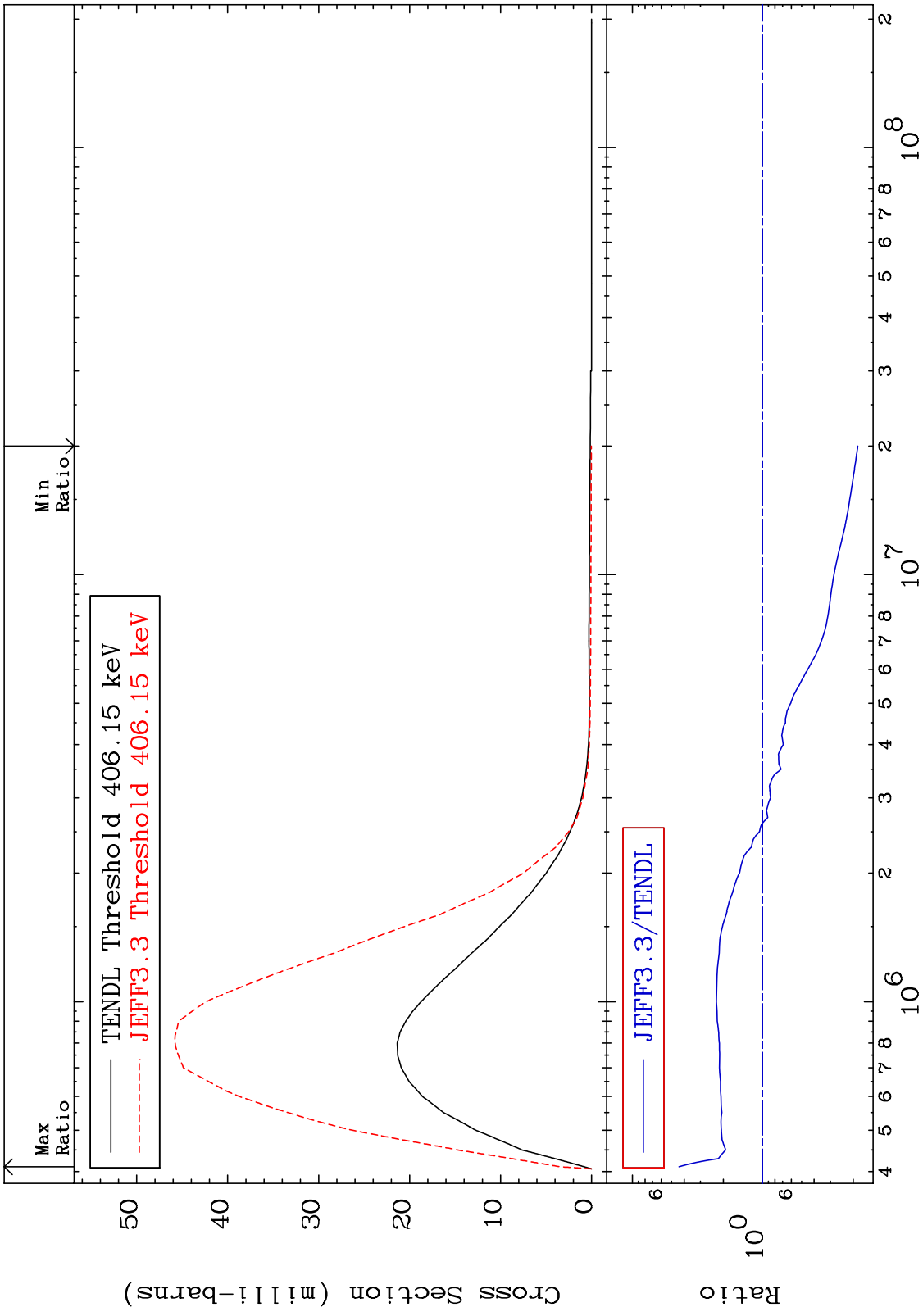
MAT 9443 MT= 65 (n,n') Level 94-Pu-241
 Cross Section -93.90 To 5.023 %



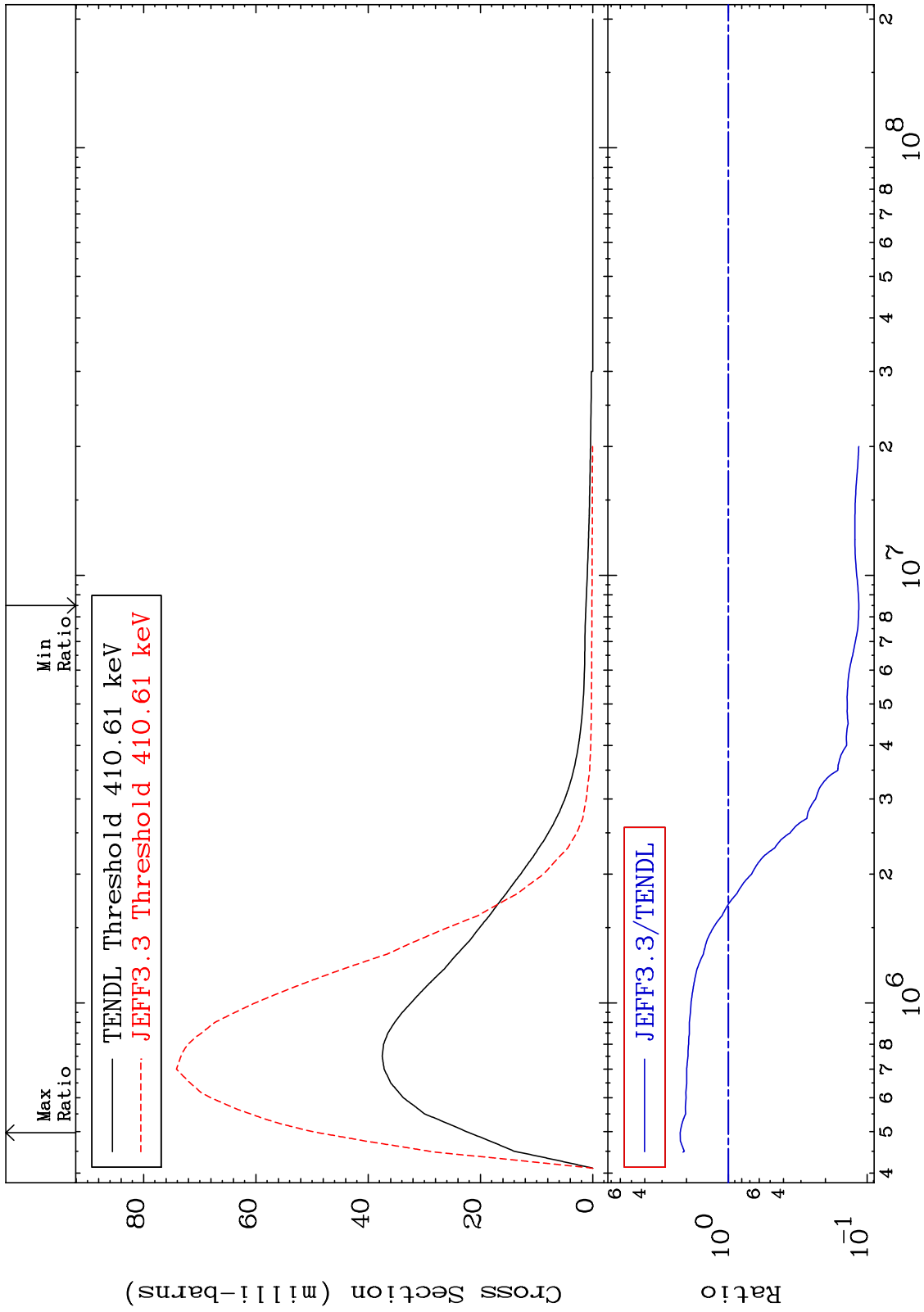
MAT 9443 MT= 66 (n,n') Level Cross Section -78.50 To 118.4 % 94-Pu-241



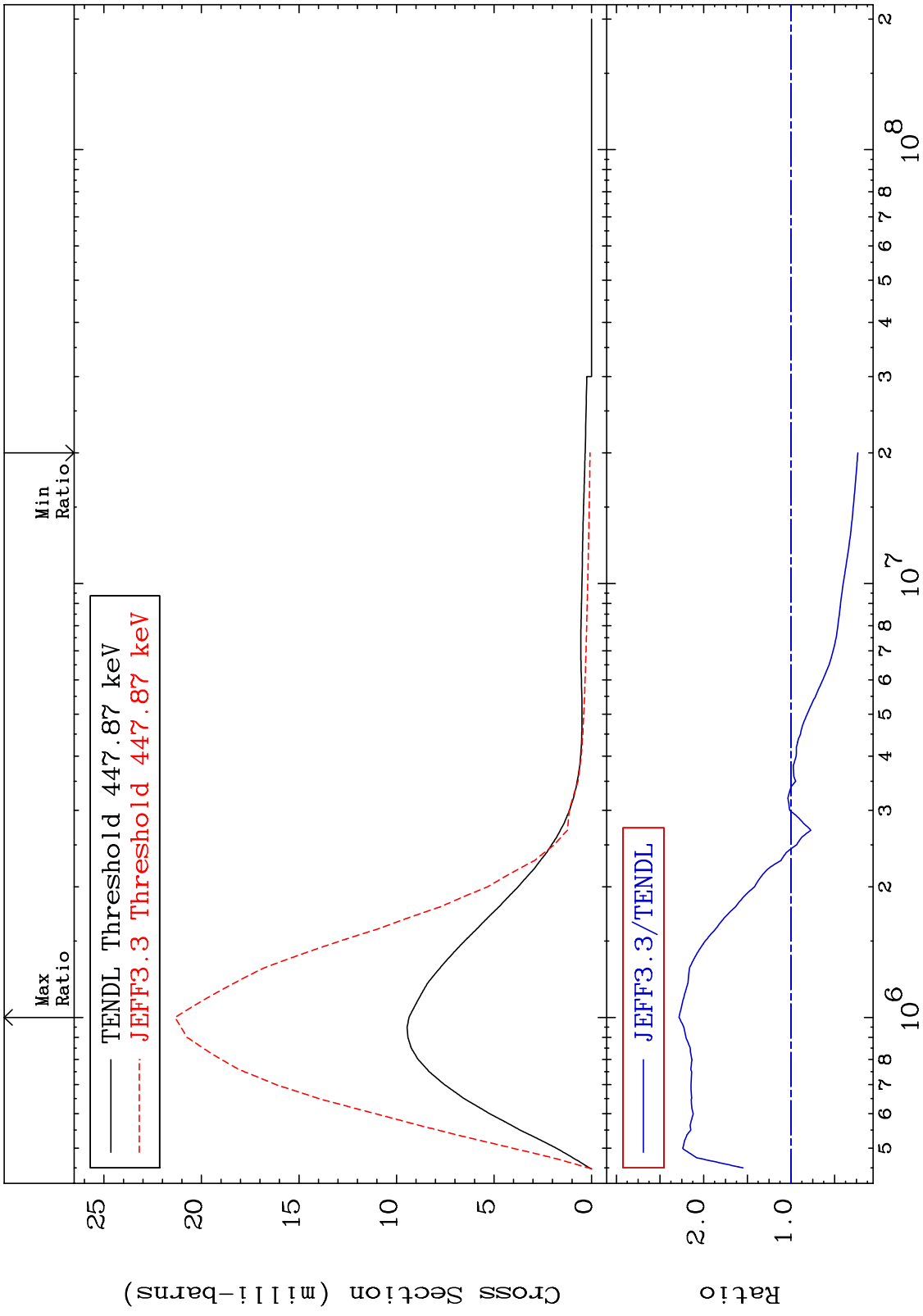
MAT 9443 MT= 67 (n,n') Level Cross Section 94-Pu-241
 -81.56 To 337.8 %



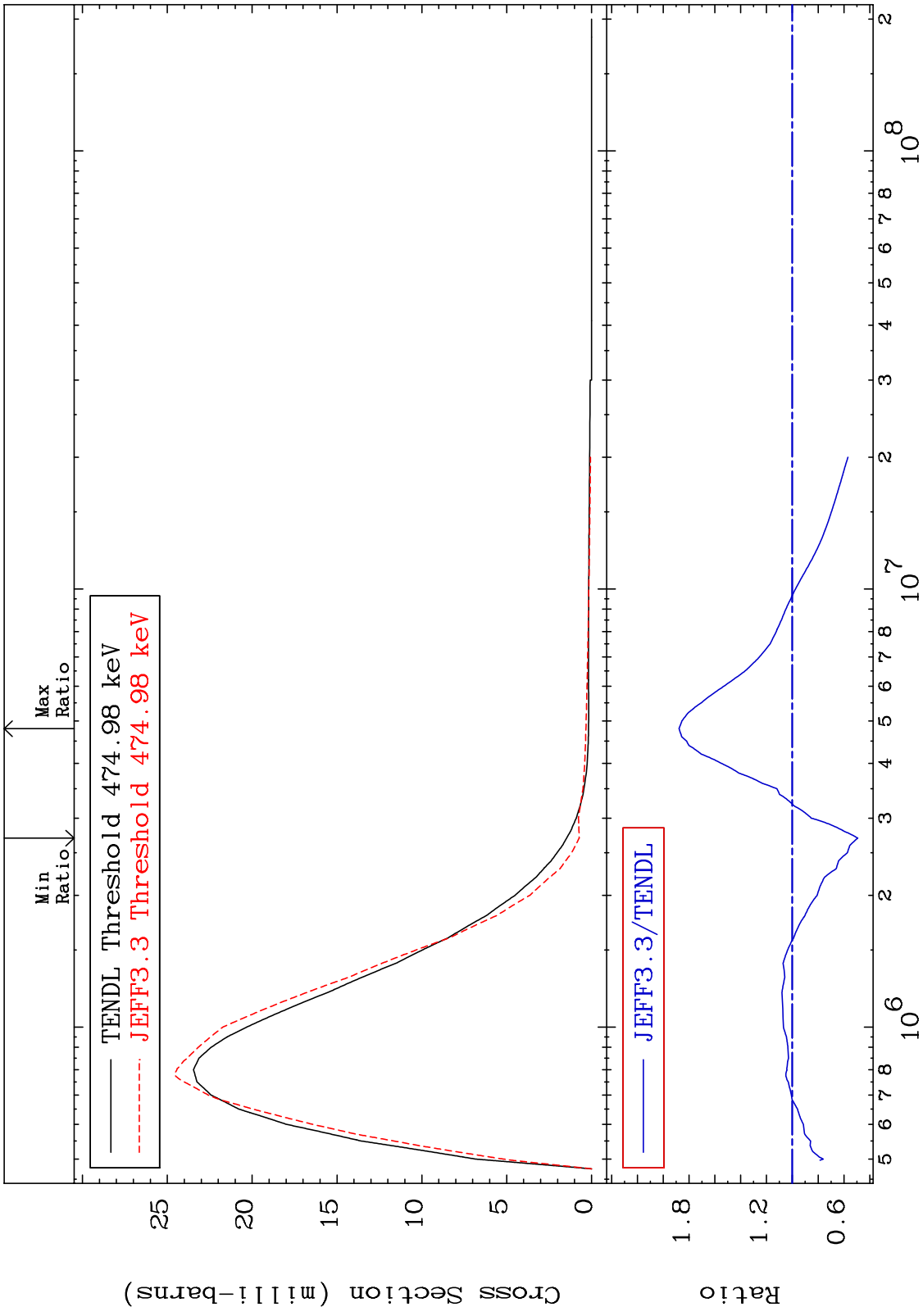
MAT 9443 MT= 68 (n,n') Level 94-Pu-241
 Cross Section -88.54 To 122.2 %



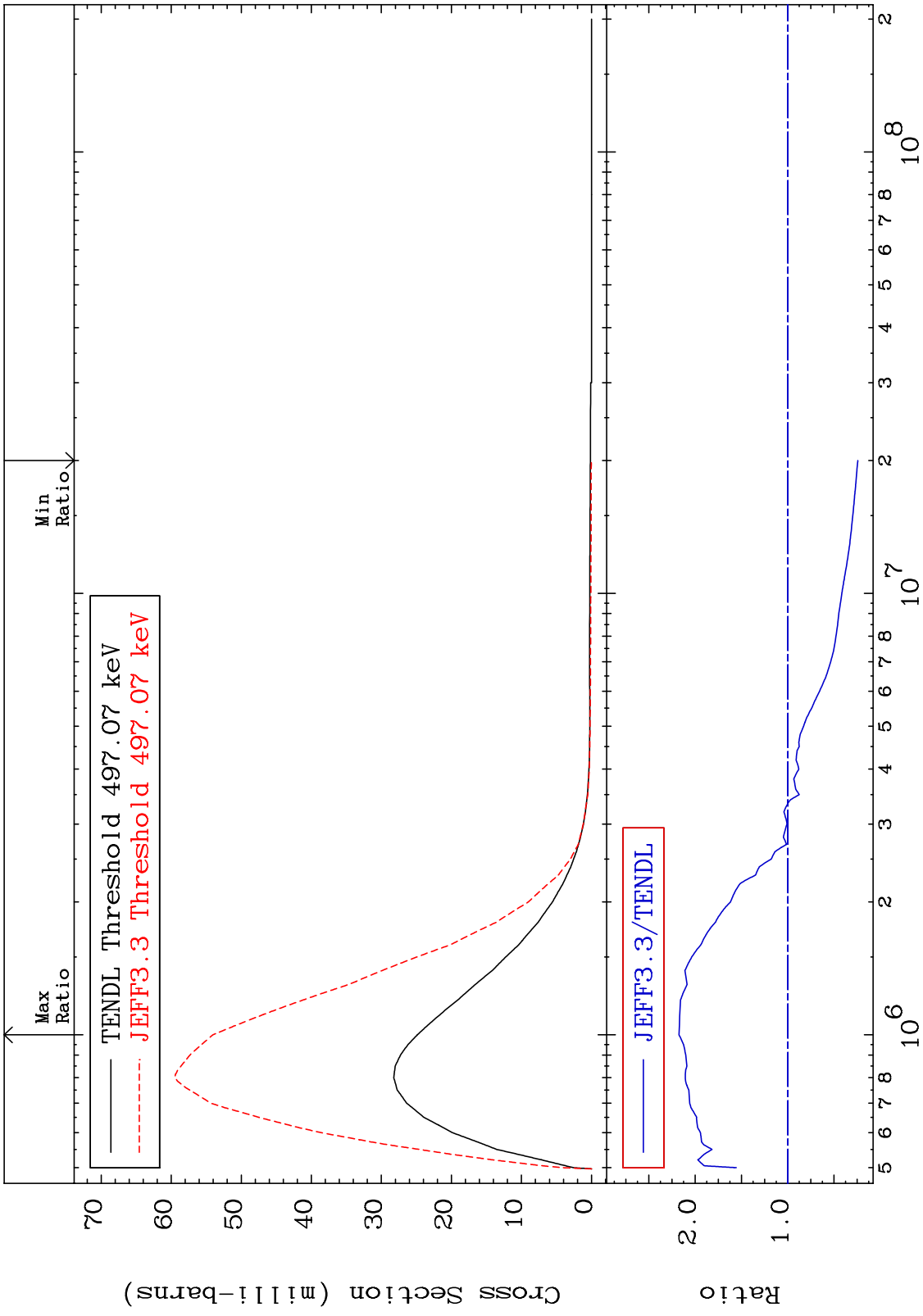
MAT 9443 MT= 69 (n,n') Level Cross Section 94-Pu-241
 -76.63 To 128.2 %



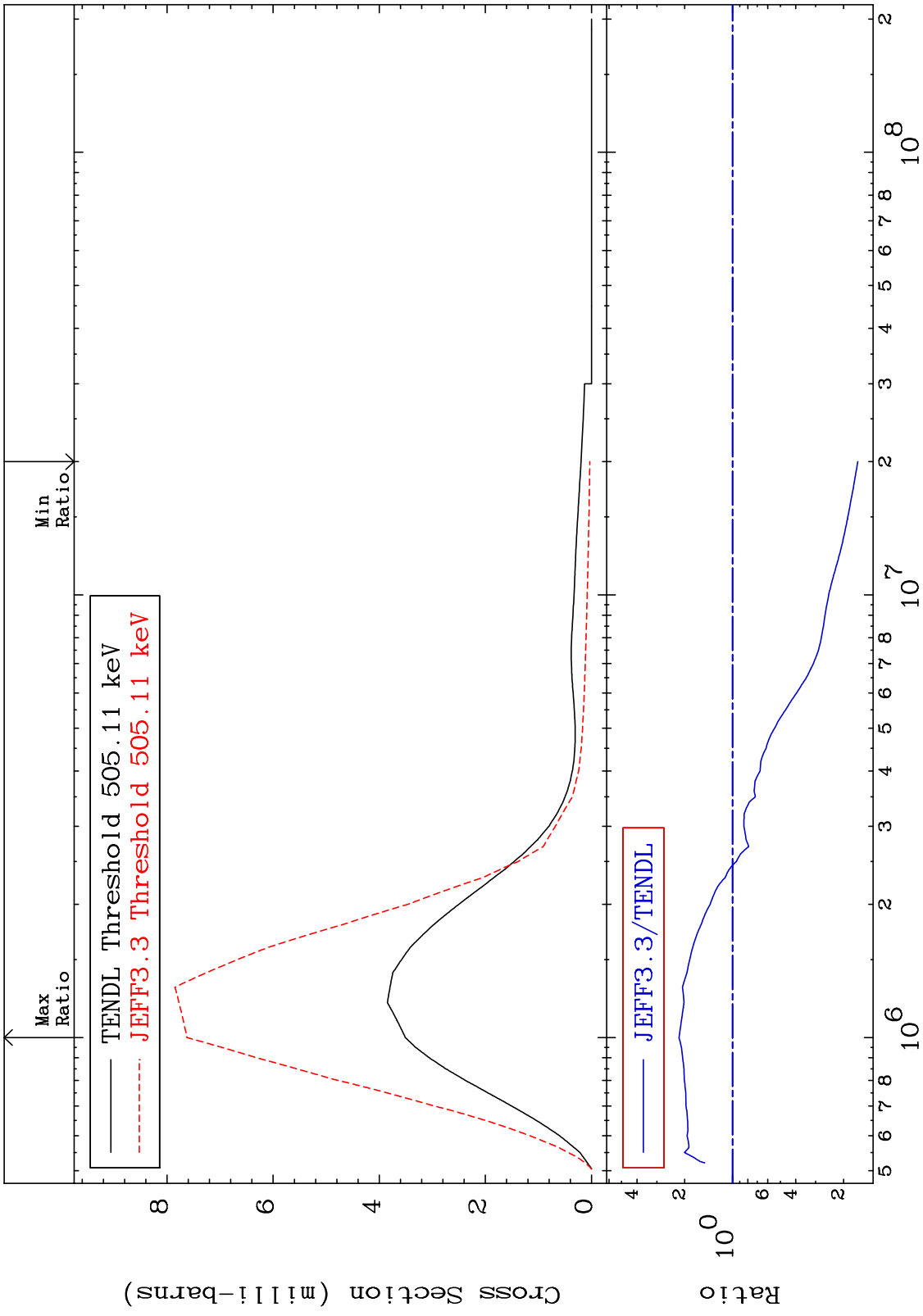
MAT 9443 MT= 70 (n,n') Level Cross Section 94-Pu-241
 -50.78 To 87.77 %



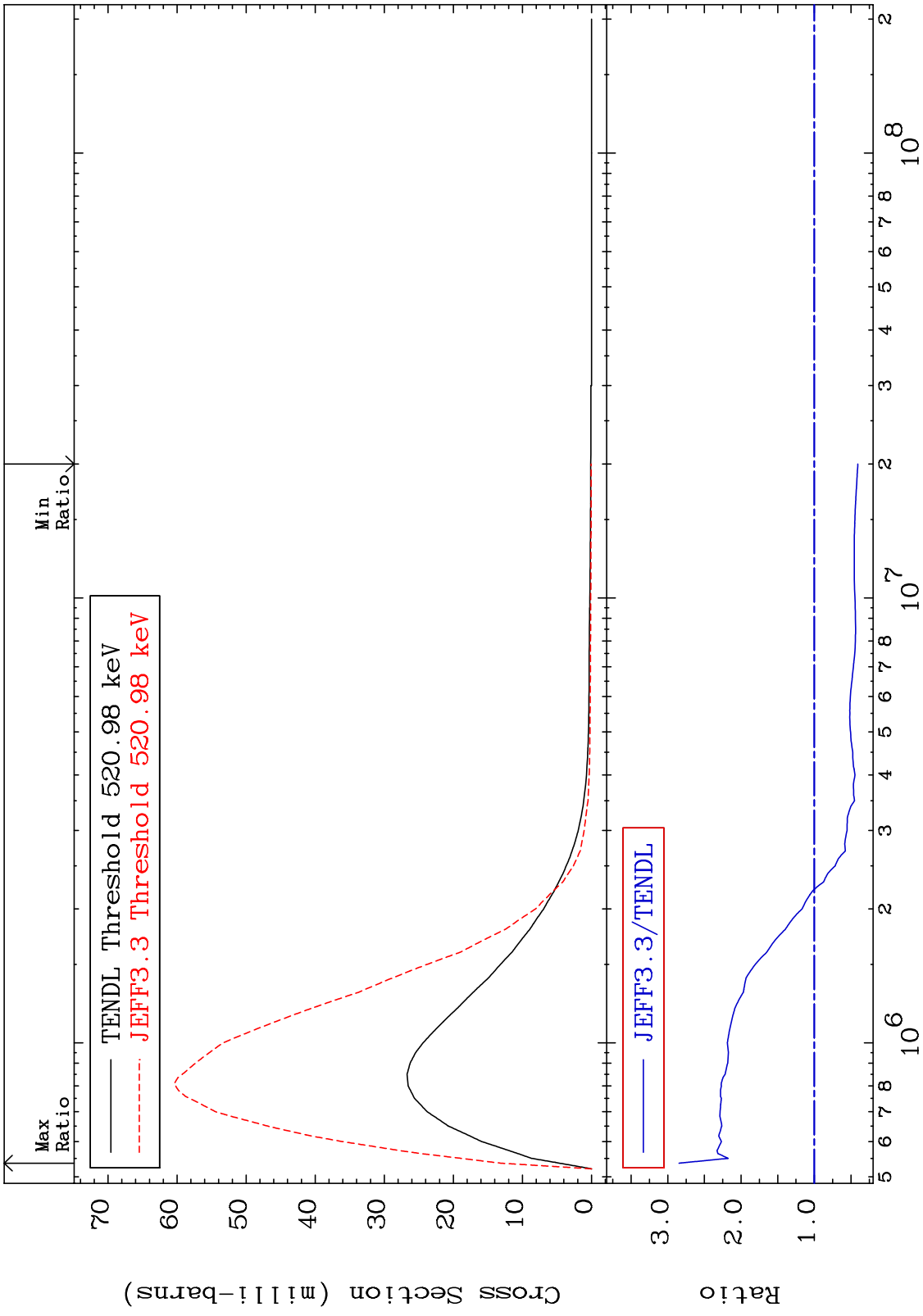
MAT 9443 MT= 71 (n,n') Level Cross Section 94-Pu-241
 -75.74 To 117.4 %



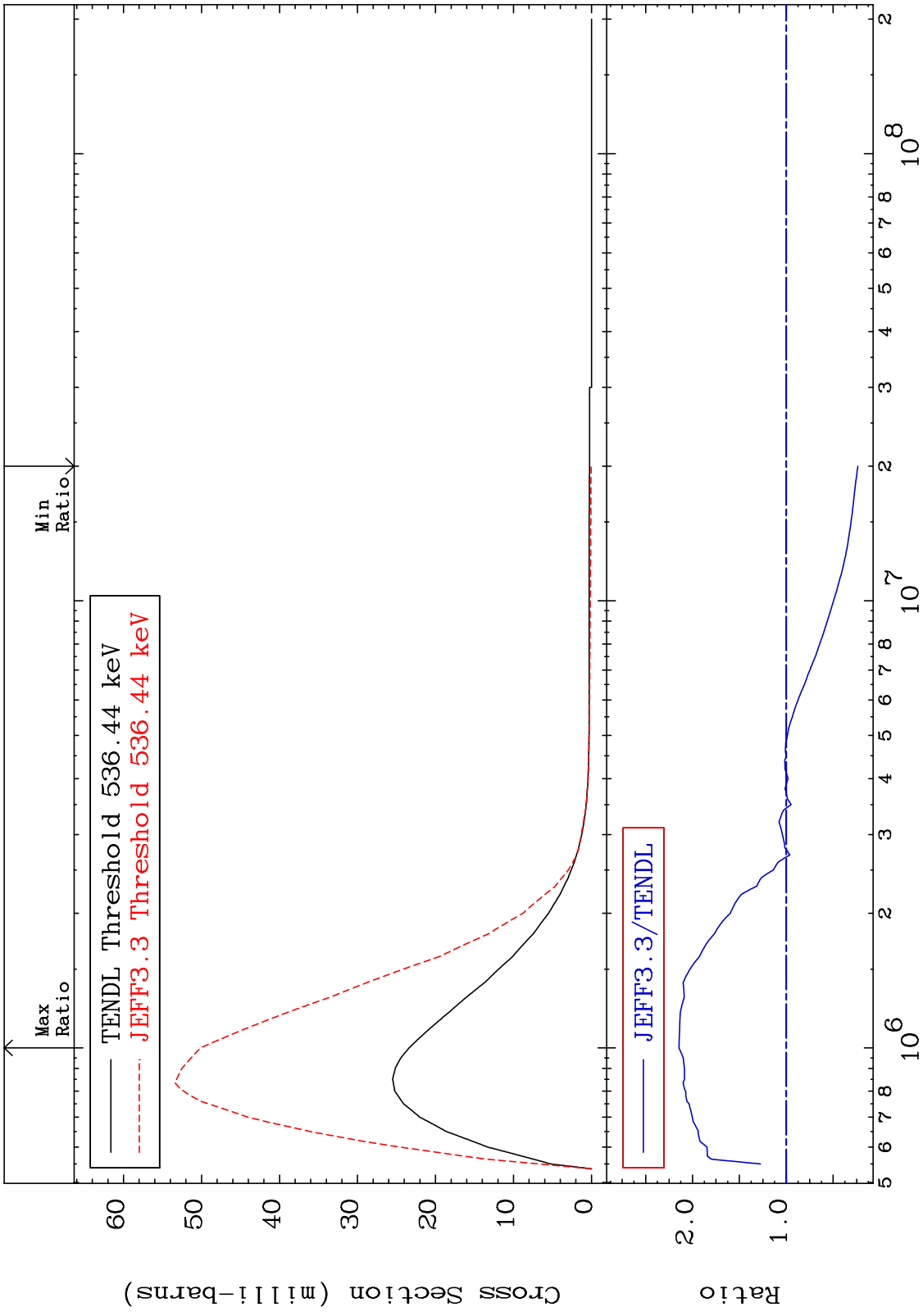
MAT 9443 MT= 72 (n,n') Level Cross Section 94-Pu-241
 -83.75 To 117.3 %



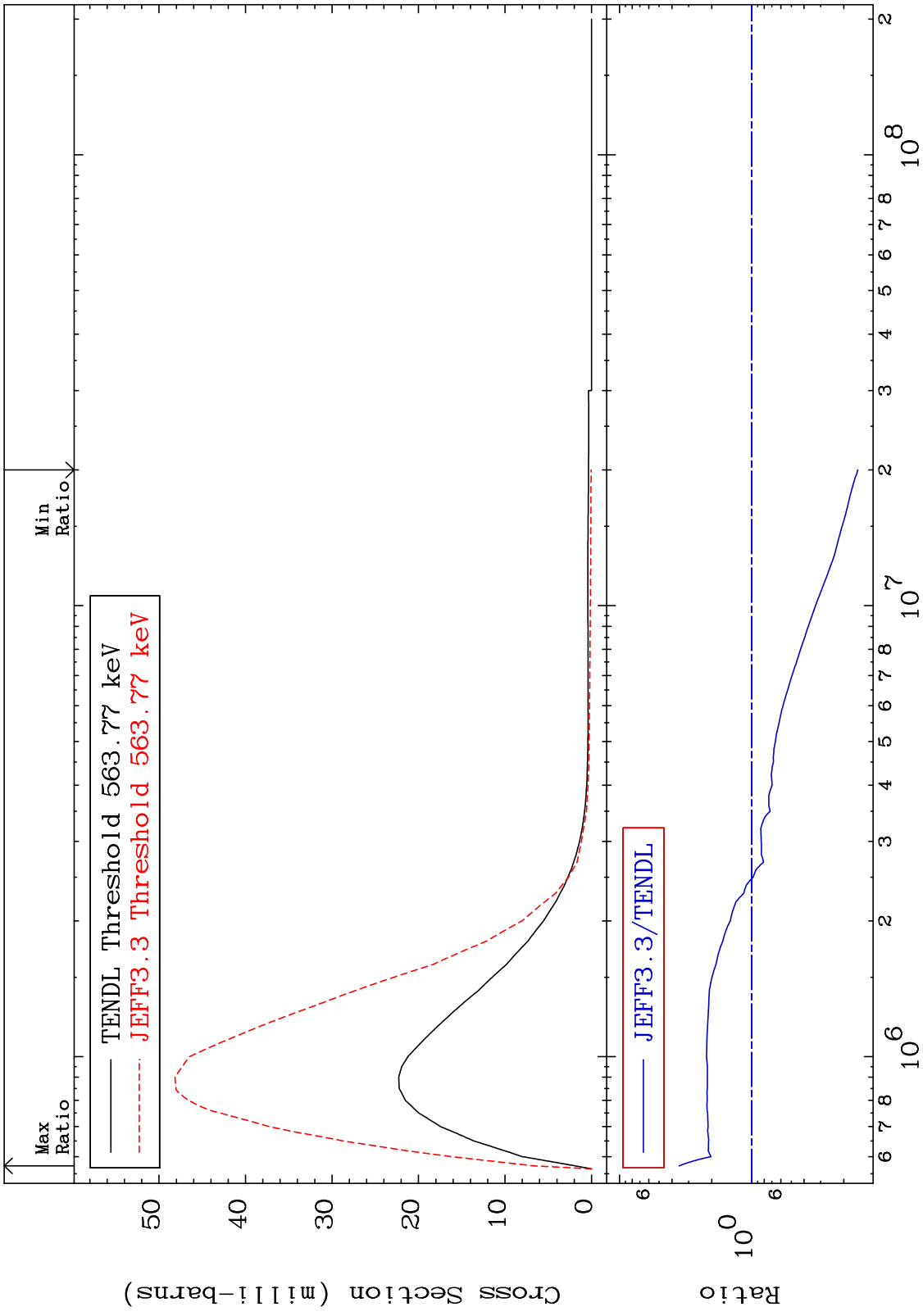
MAT 9443 MT= 73 (n,n') Level Cross Section 94-Pu-241
 -59.33 To 184.6 %



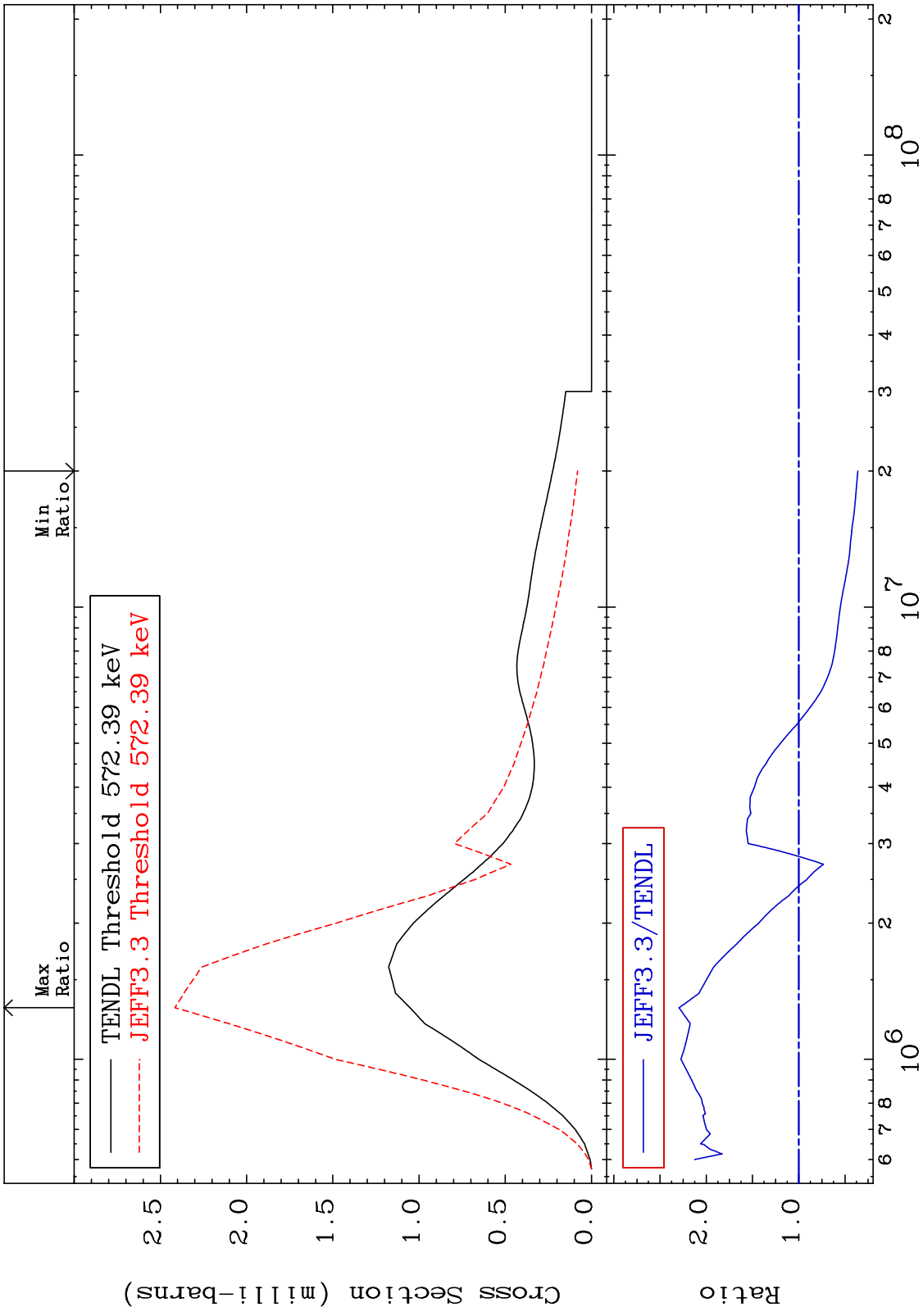
MAT 9443 MT= 74 (n,n') Level Cross Section 94-Pu-241
 -76.33 To 114.4 %



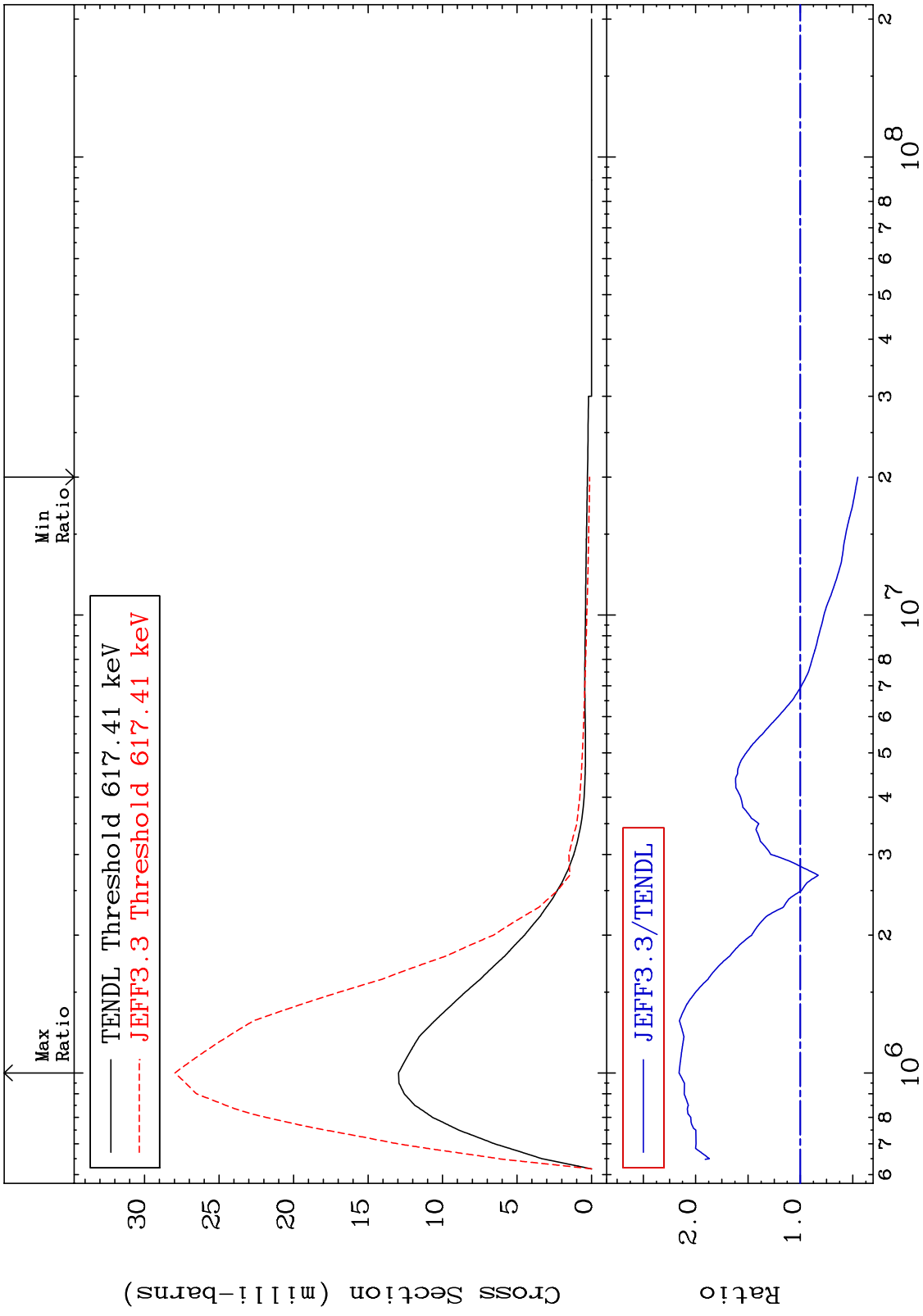
MAT 9443 MT= 75 (n,n') Level Cross Section 94-Pu-241
 -84.33 To 253.7 %



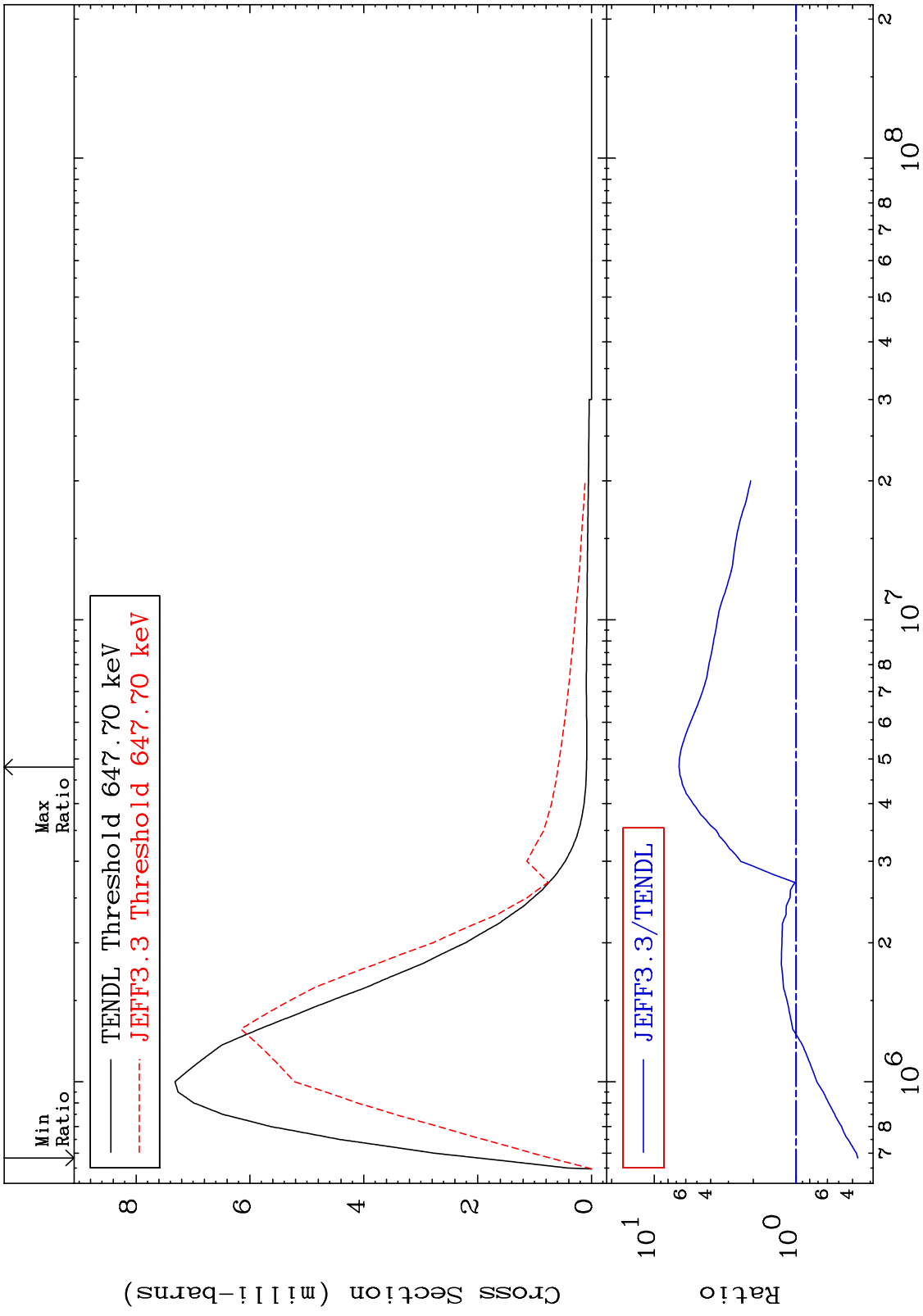
MAT 9443 MT= 76 (n,n') Level 94-Pu-241
 Cross Section -63.85 To 129.5 %



MAT 9443 MT= 77 (n,n') Level Cross Section 94-Pu-241
 -54.87 To 115.9 %



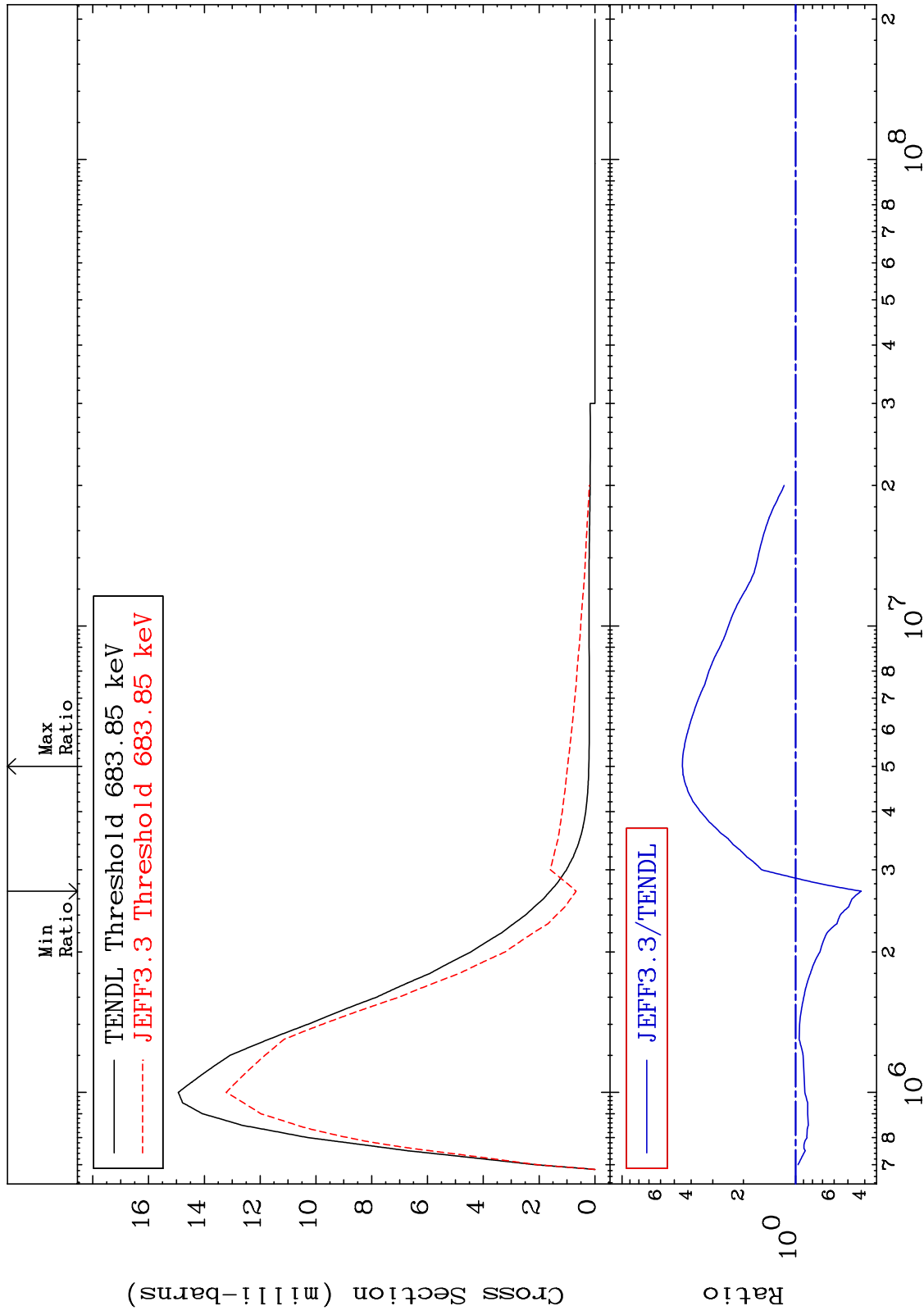
MAT 9443 MT= 78 (n,n') Level Cross Section 94-Pu-241
 -63.35 To 569.1 %



MAT 9443

MT= 79 (n,n') Level
Cross Section

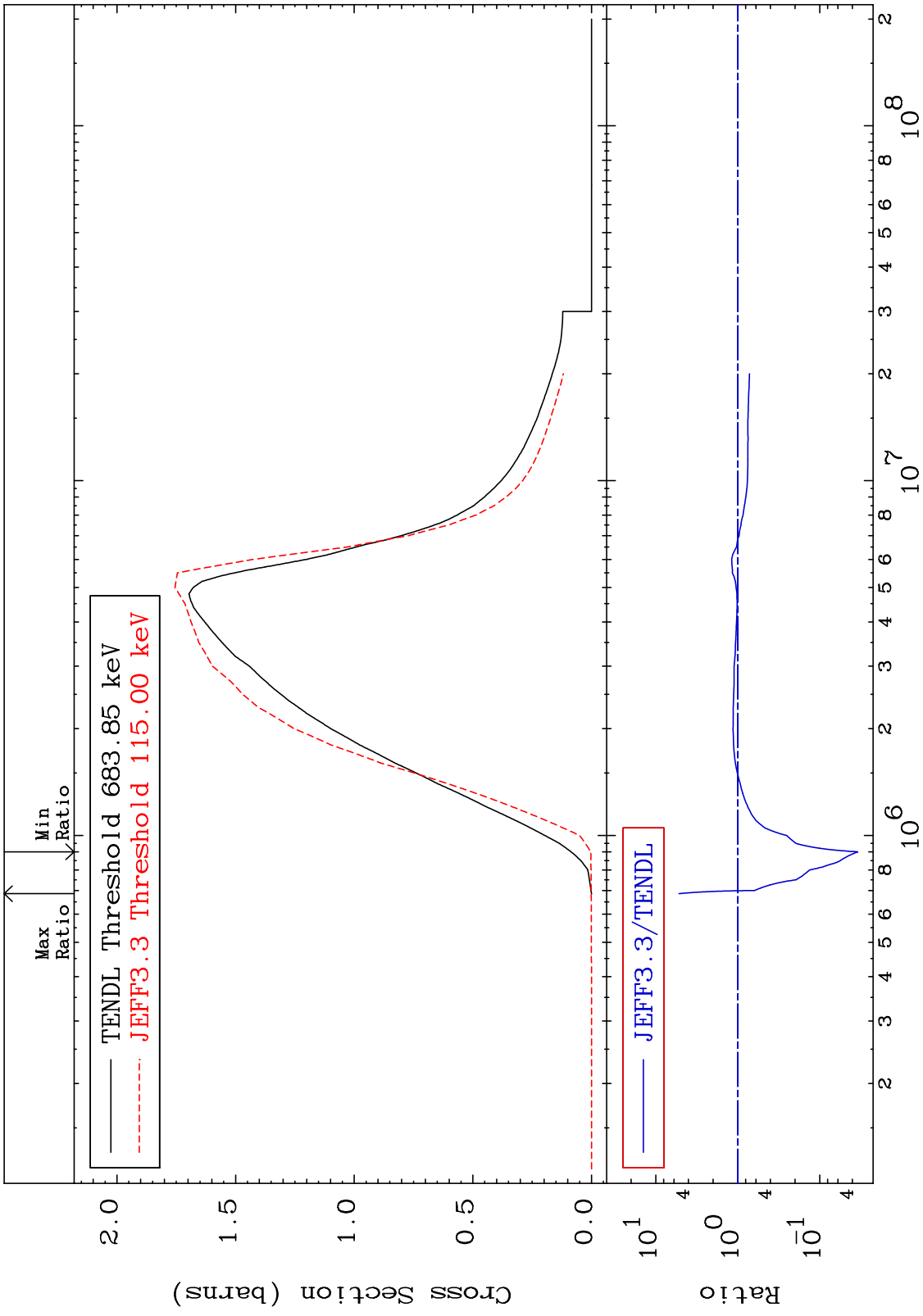
94-Pu-241
-58.18 To 348.7 %



40

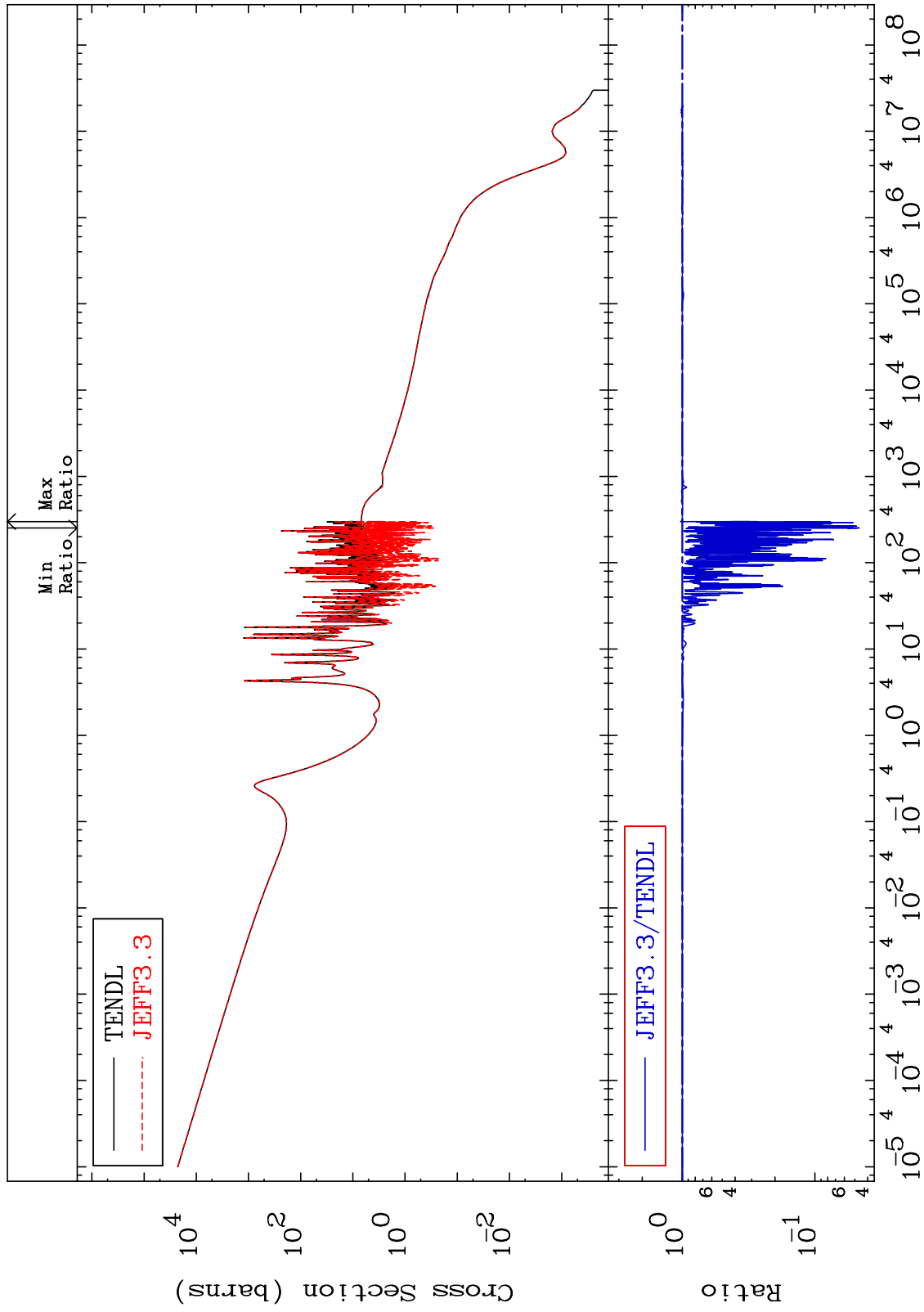
Incident Energy (eV)

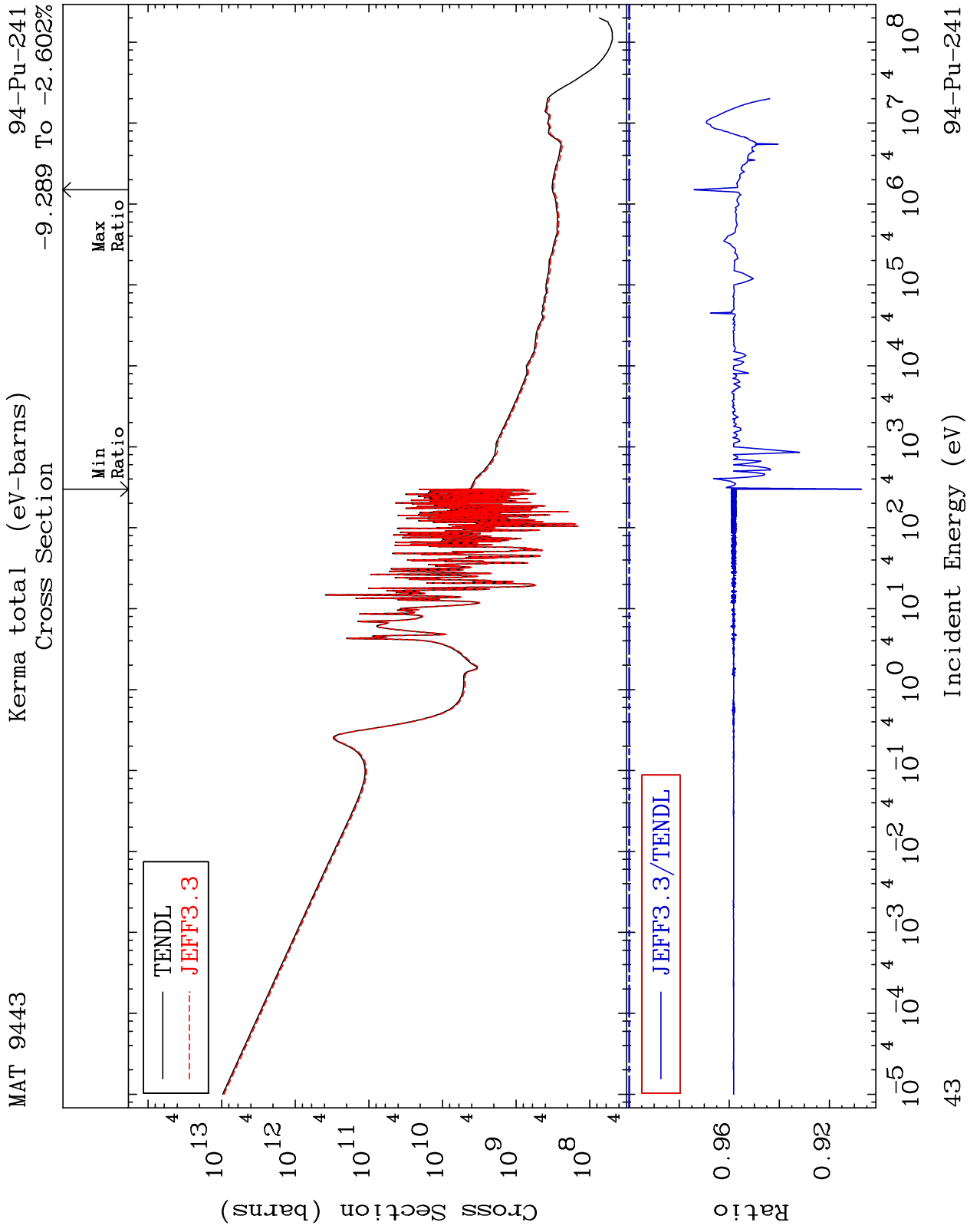
94-Pu-241

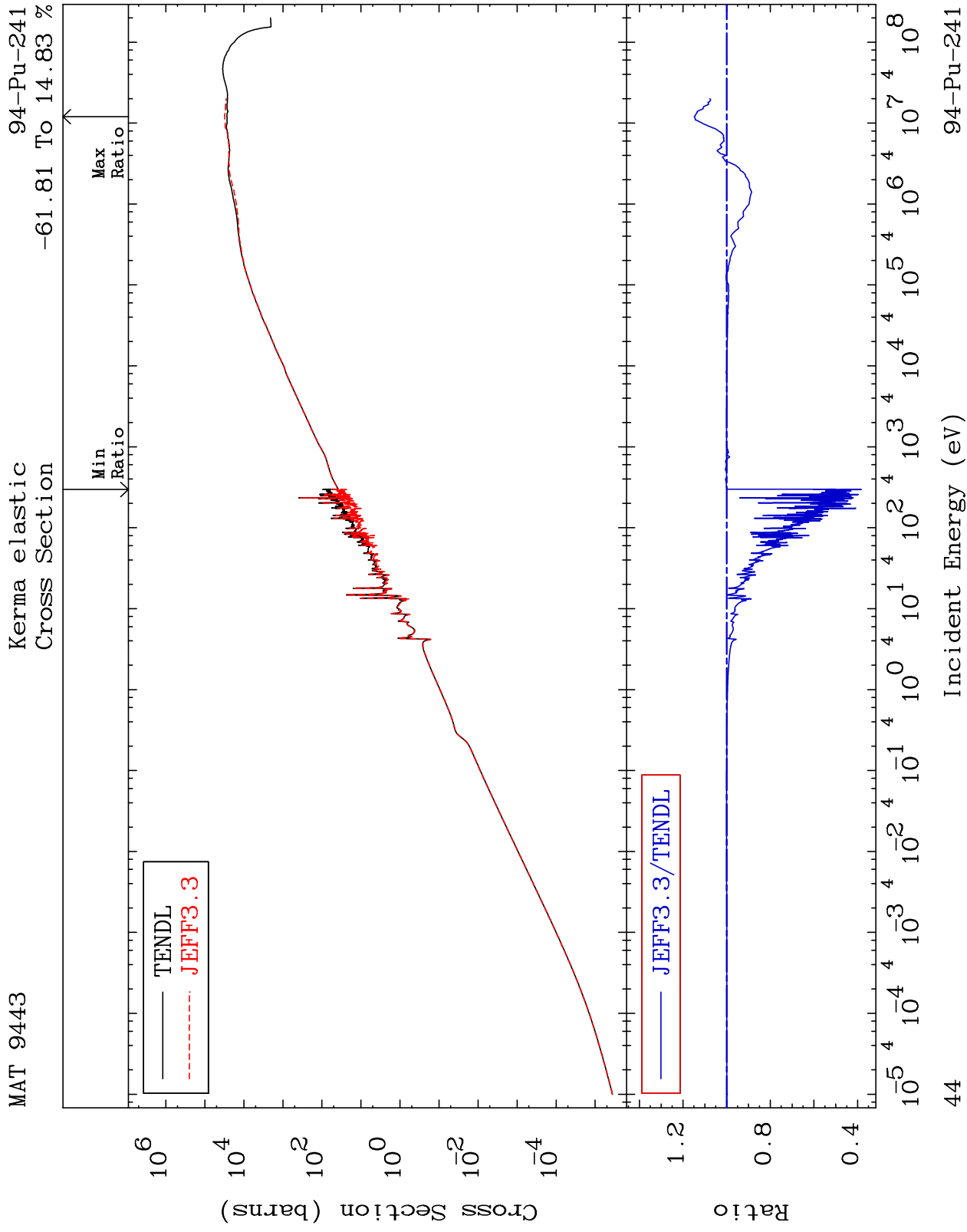


MAT 9443

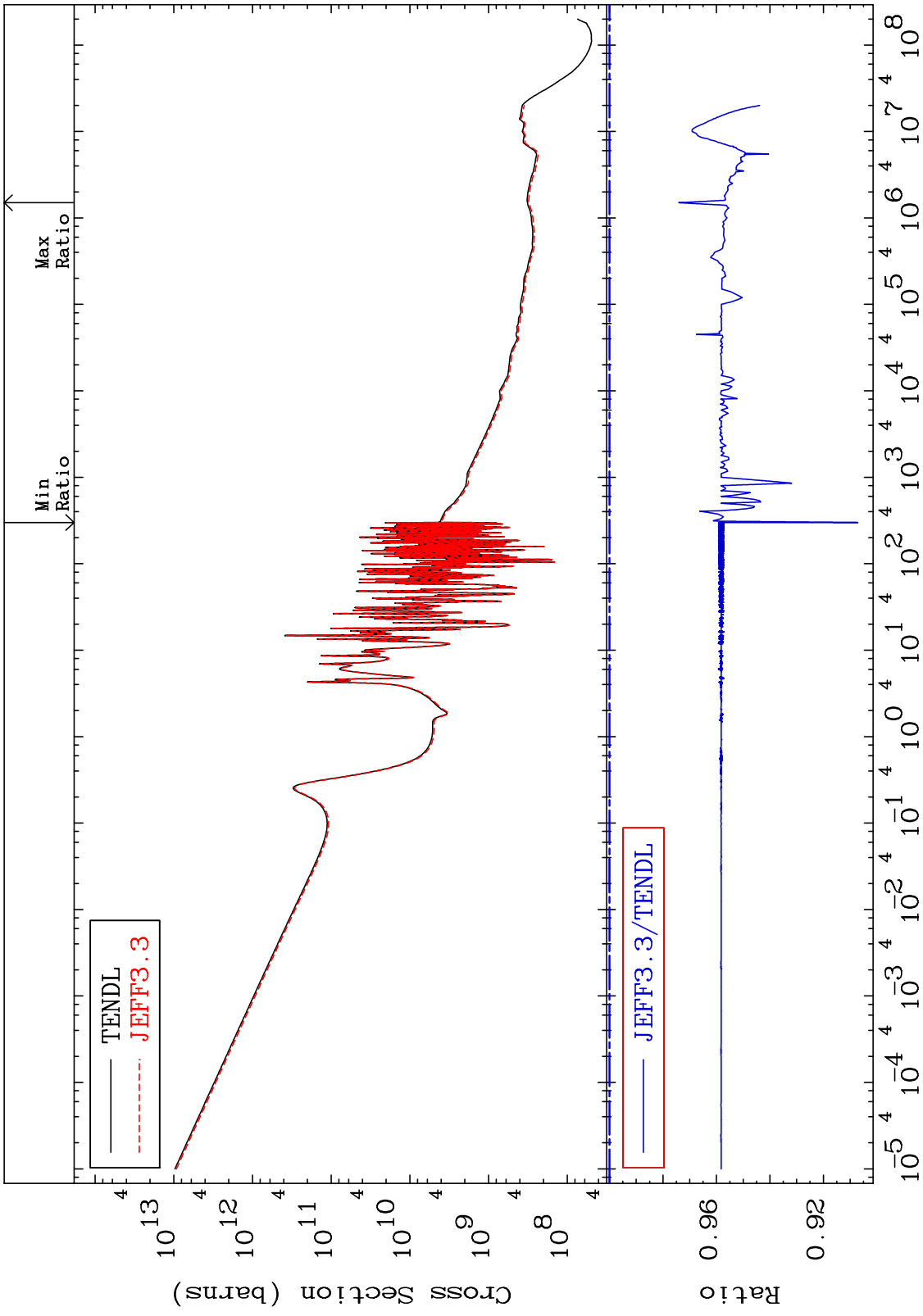
(n, γ) Cross Section
94-Pu-241
-95.35 To 2.796 %



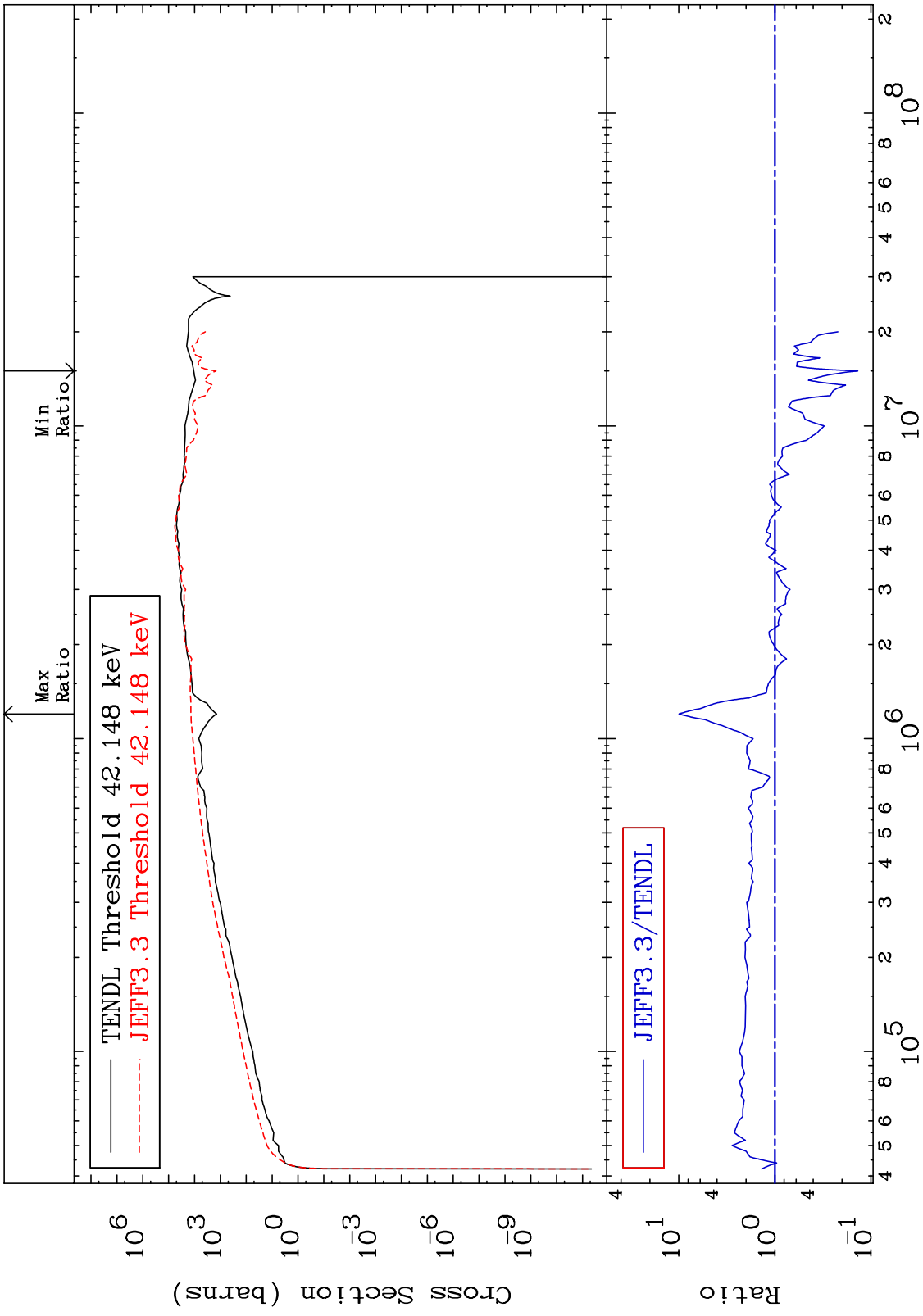




MAT 9443 Kerma non-elastic (all but mt2) Cross Section 94-Pu-241 -9.289 To -2.601%



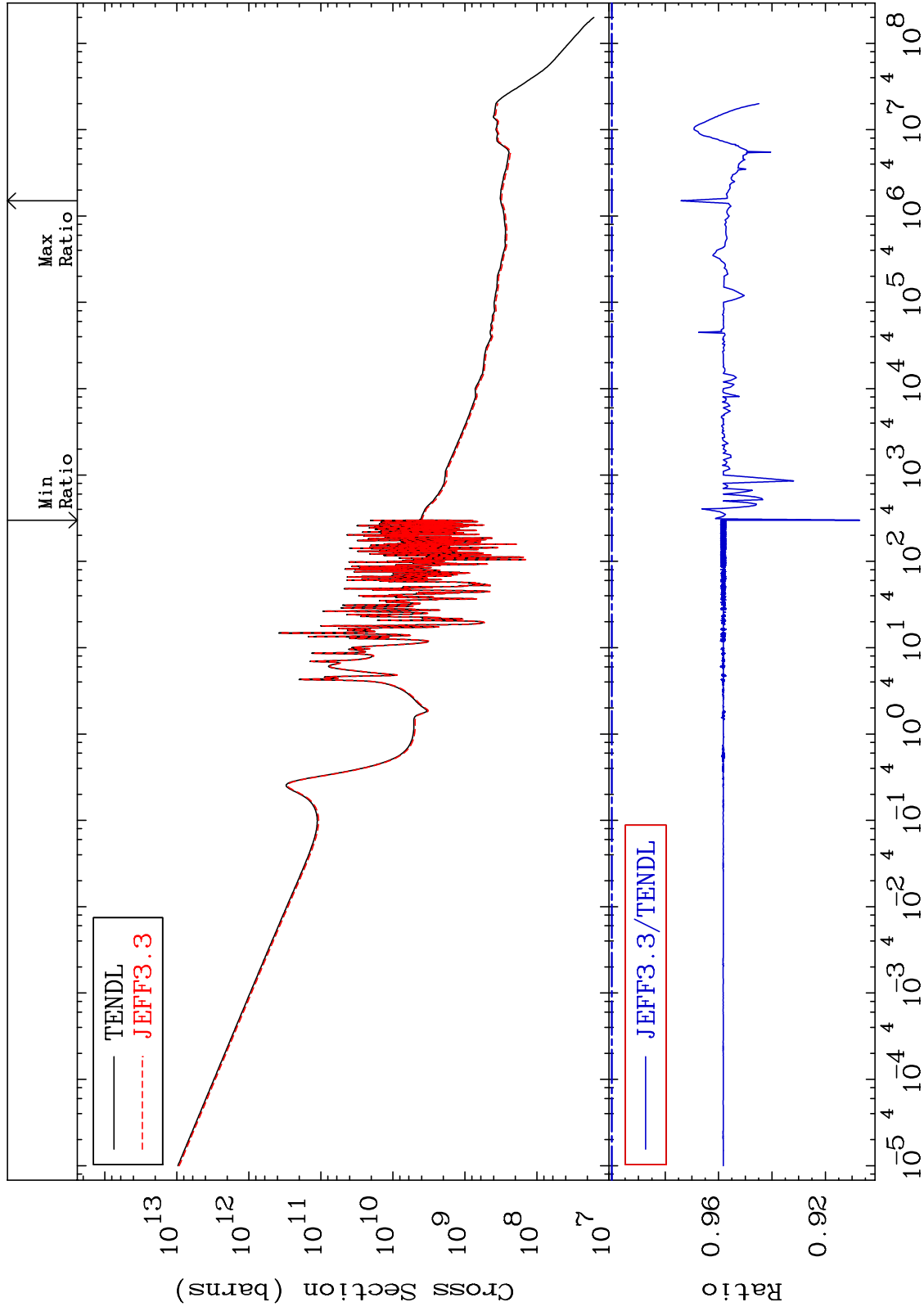
MAT 9443 Kerma inelastic (mt51-91) 94-Pu-241
 Cross Section -86.30 To 895.2 %



MAT 9443

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

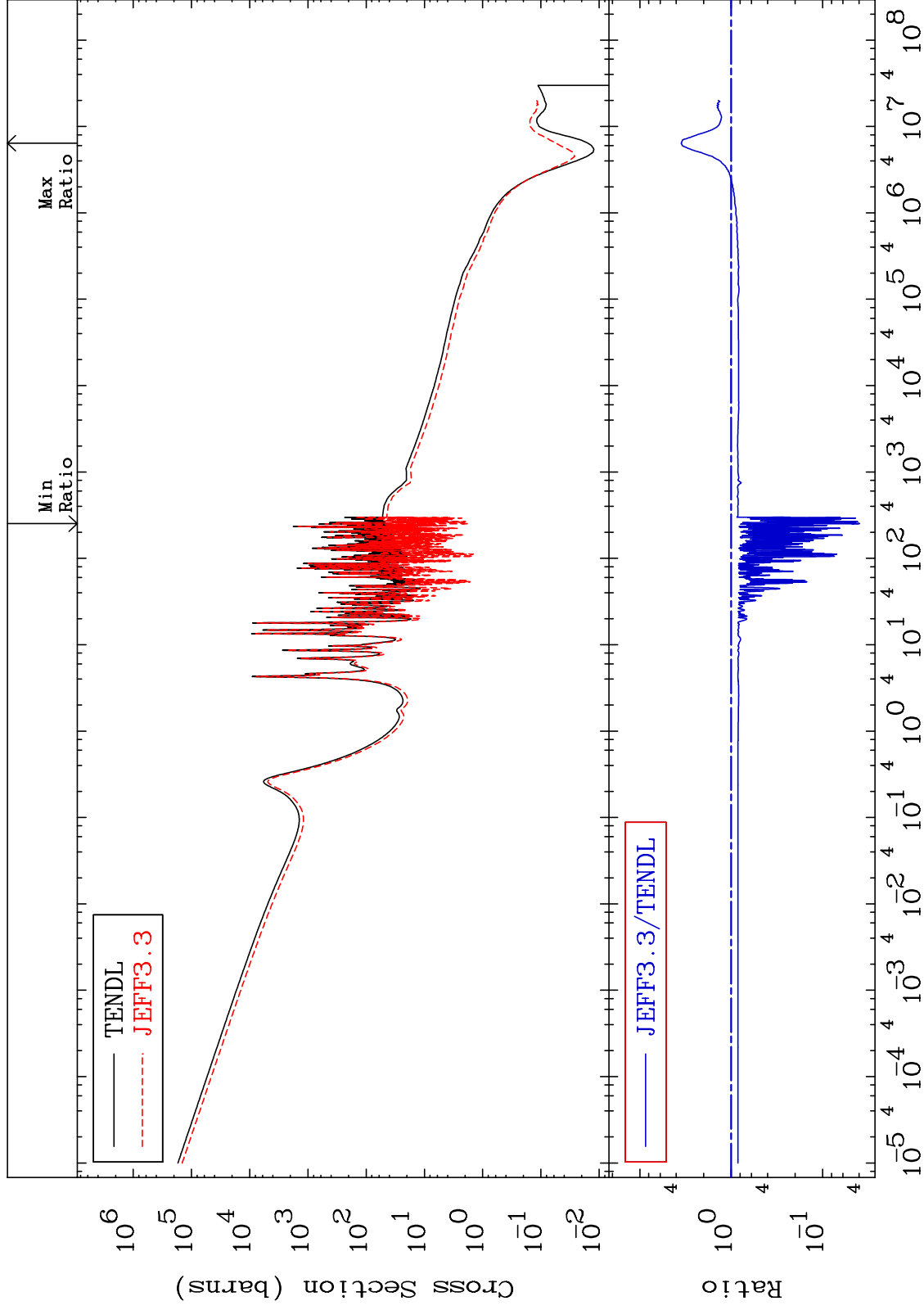
94-Pu-241
-9.289 To -2.602%



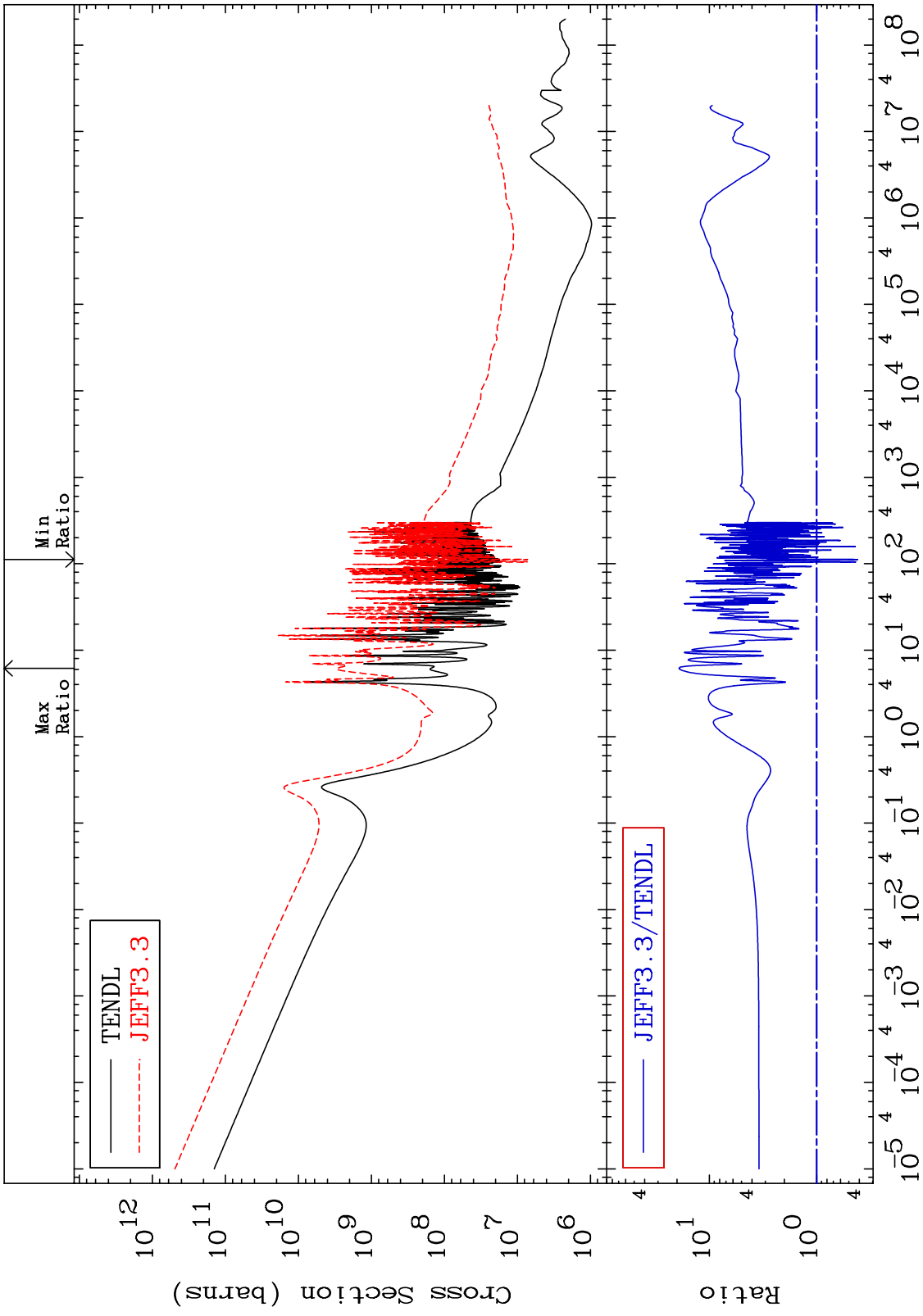
MAT 9443

Kerma capture (mt102)
Cross Section

94-Pu-241
-96.07 To 252.4 %

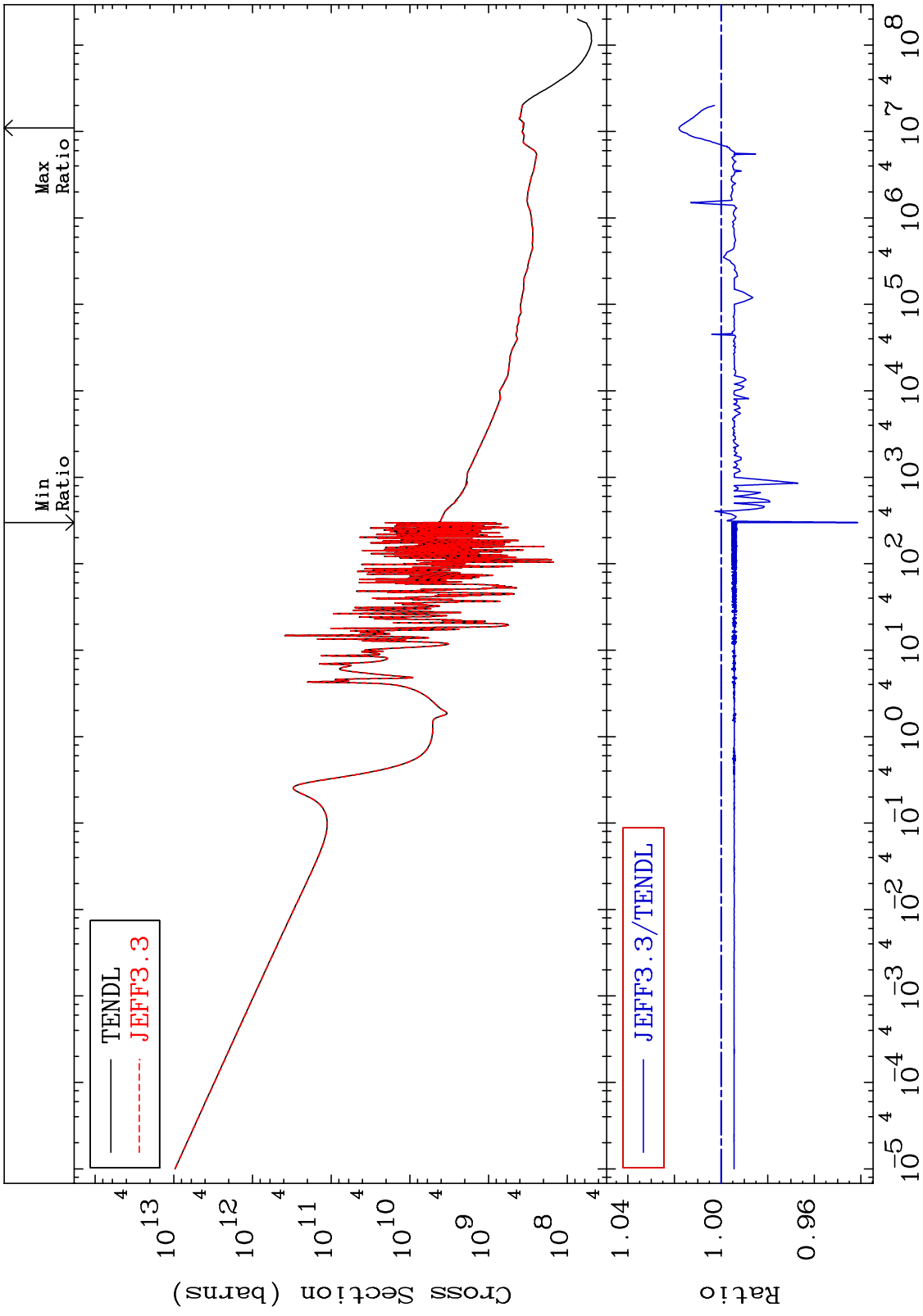


MAT 9443 94-Pu-241
-58.71 To 1812. %
 Total photon (eV-barns)
 Cross Section

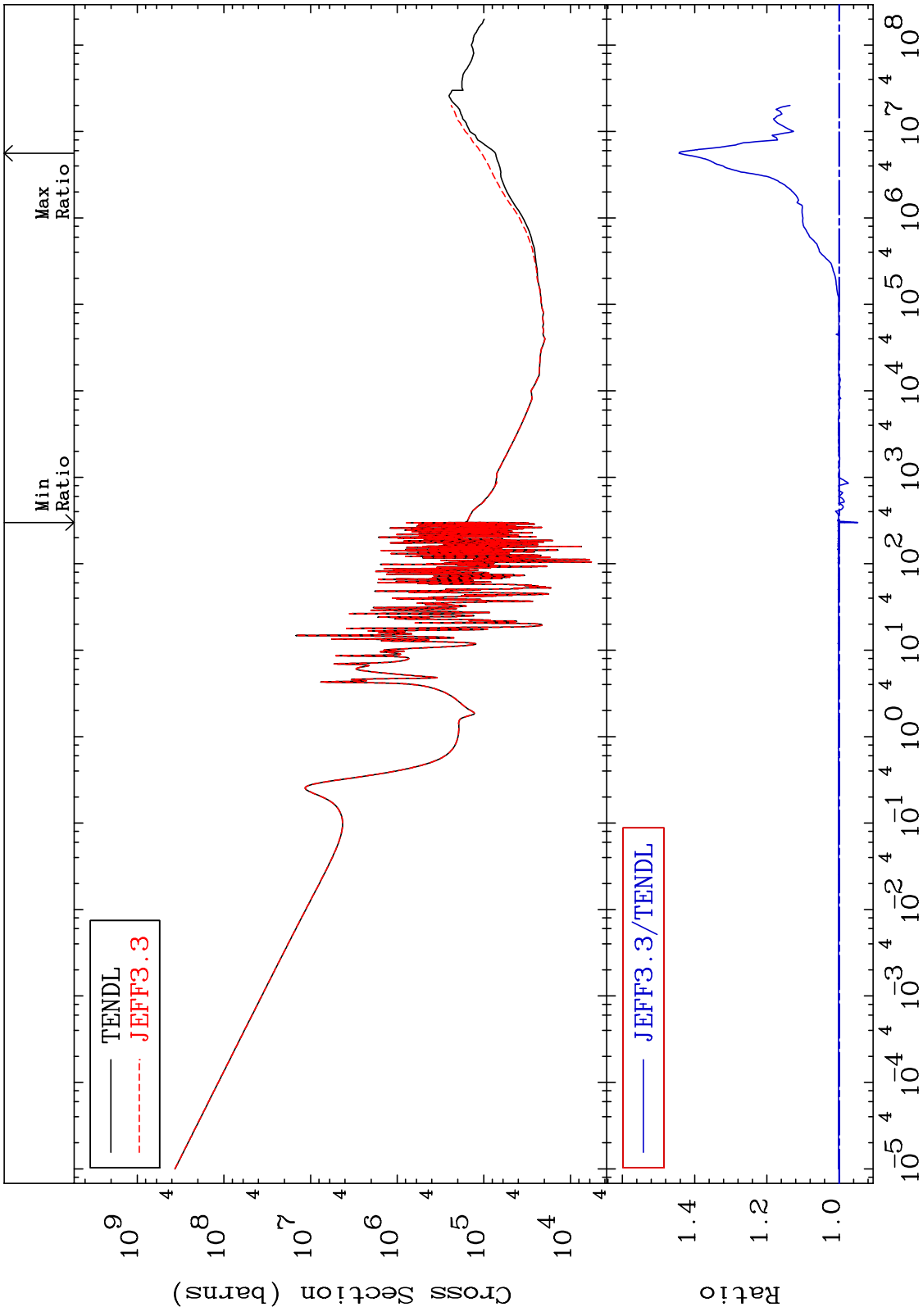


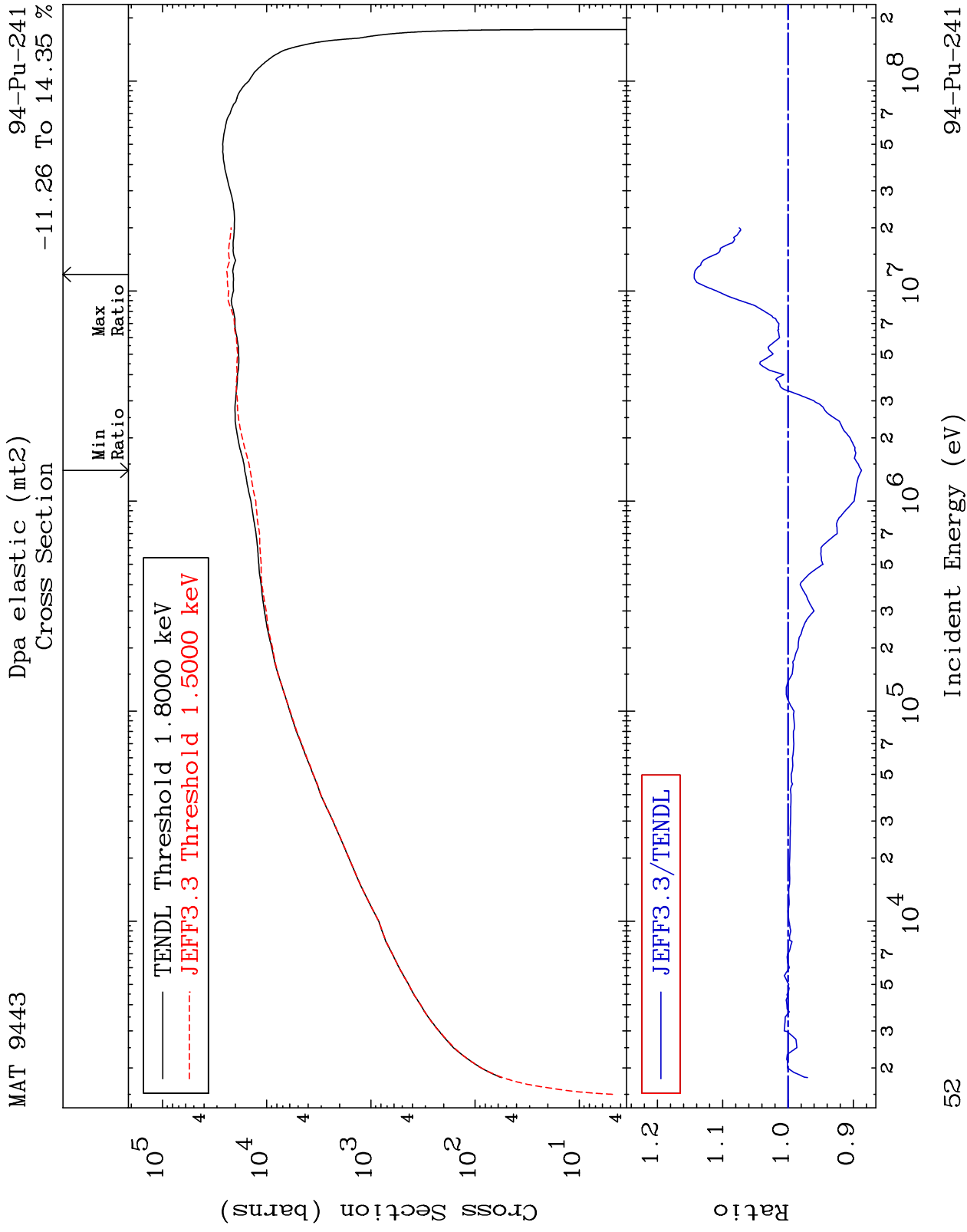
49 94-Pu-241

MAT 9443 Total kinematic kerma (high limit) Cross Section 94-Pu-241 -5.869 To 1.804 %

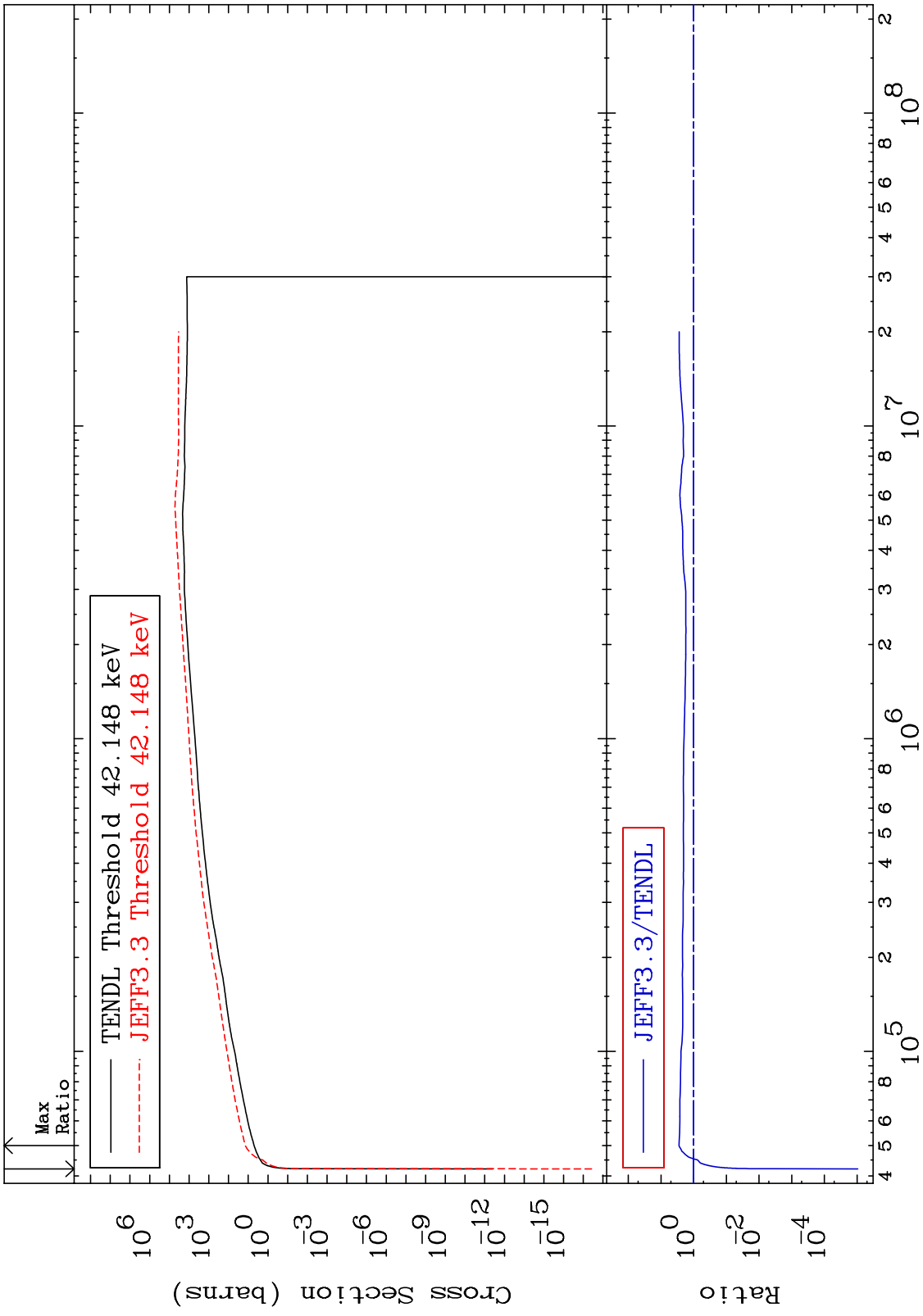


MAT 9443 Dpa total (eV-barns) 94-Pu-241
 Cross Section -5.186 To 44.32 %





MAT 9443 Dpa inelastic (mt51-91) 94-Pu-241
 Cross Section -100.0 To 180.2 %



MAT 9443 Dpa disappearance (mt102 -120) 94-Pu-241
 Cross Section -100.0 To 256.9 %

