

Program Complot
(Version 2018-1)

by

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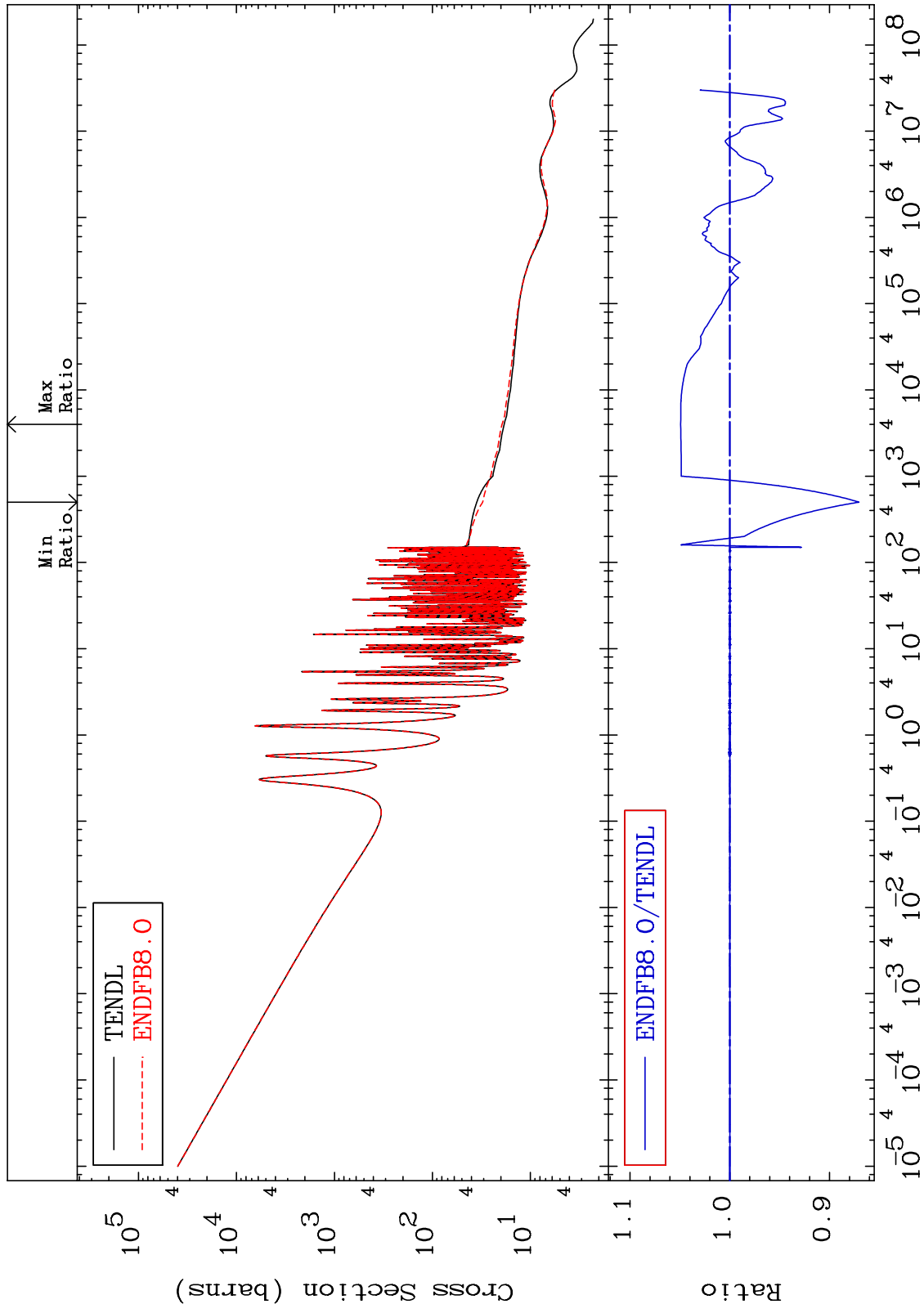
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9543

Total
Cross Section

95-Am-241
-12.95 To 4.925 %



Incident Energy (eV)

95-Am-241

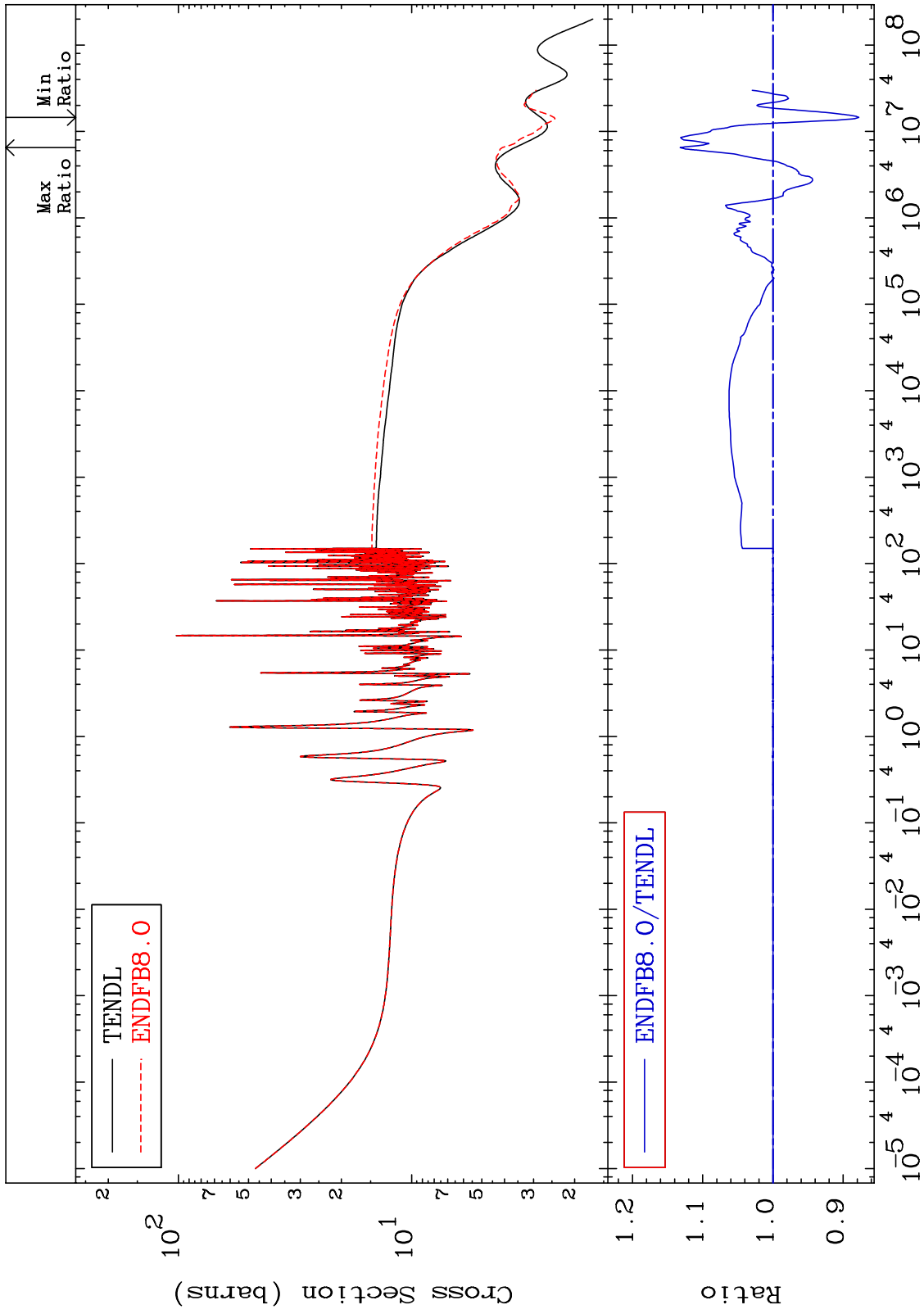
MAT 9543

Elastic

95-Am-241

Cross Section

-12.23 To 13.20 %

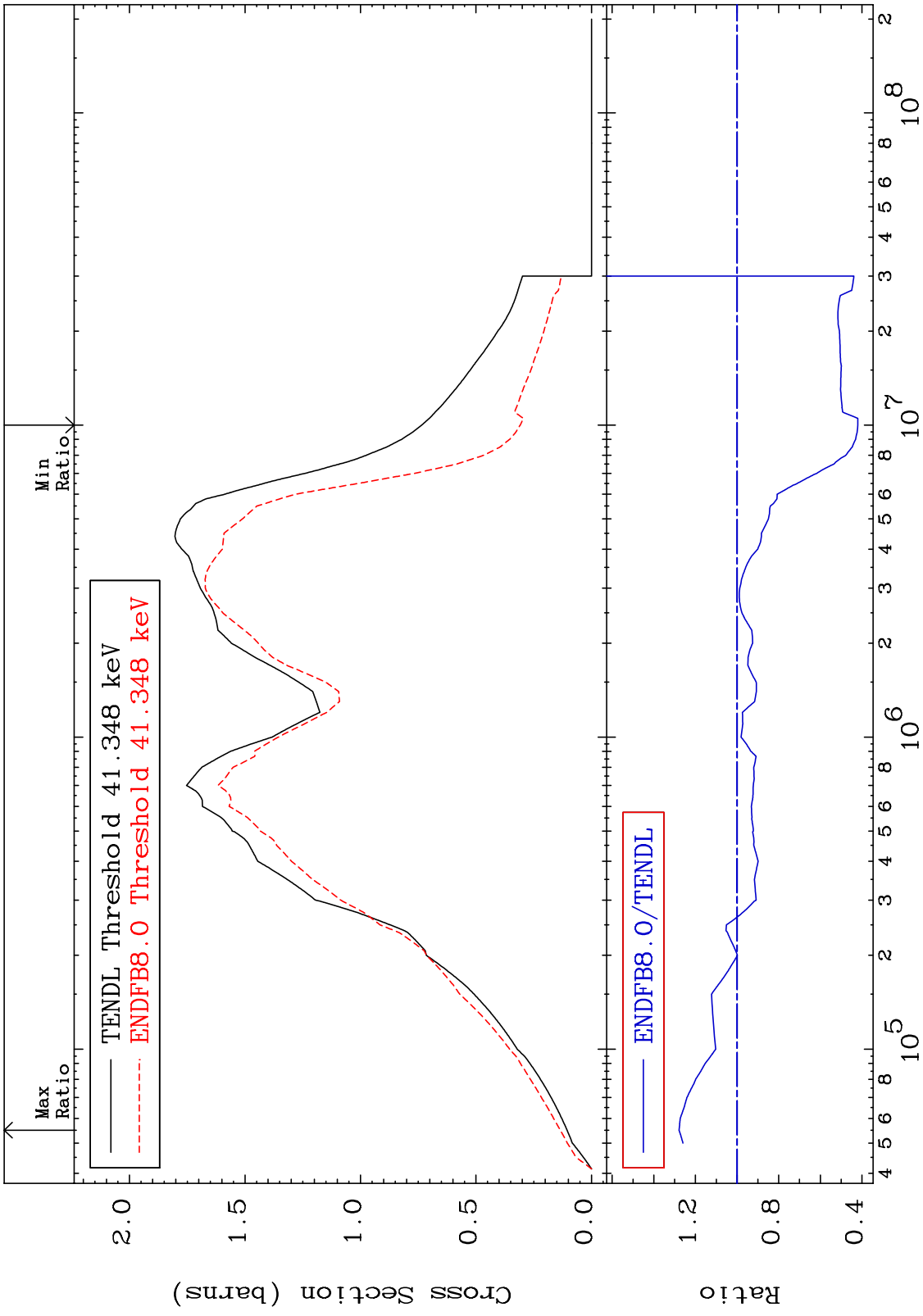


2

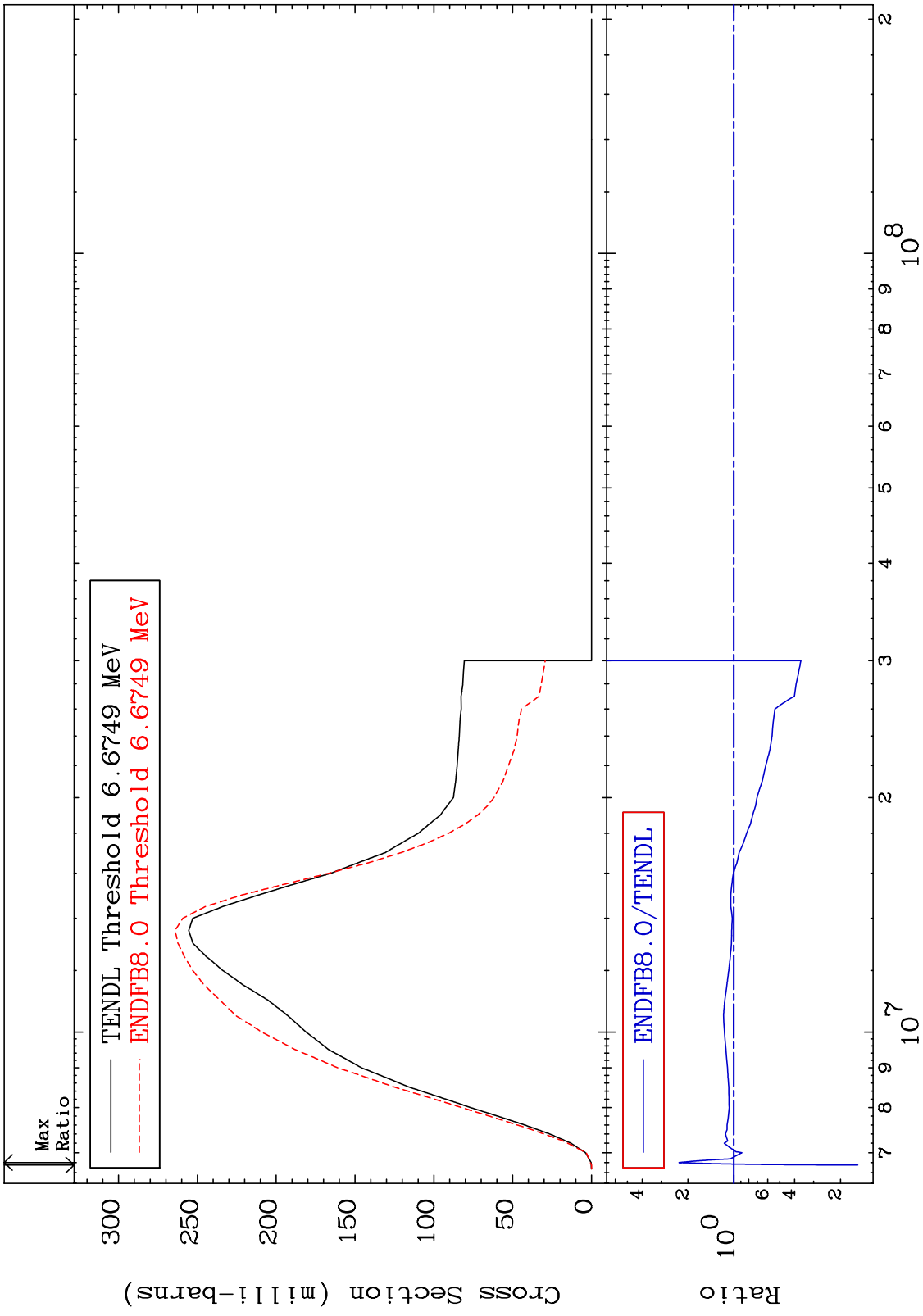
Incident Energy (eV)

95-Am-241

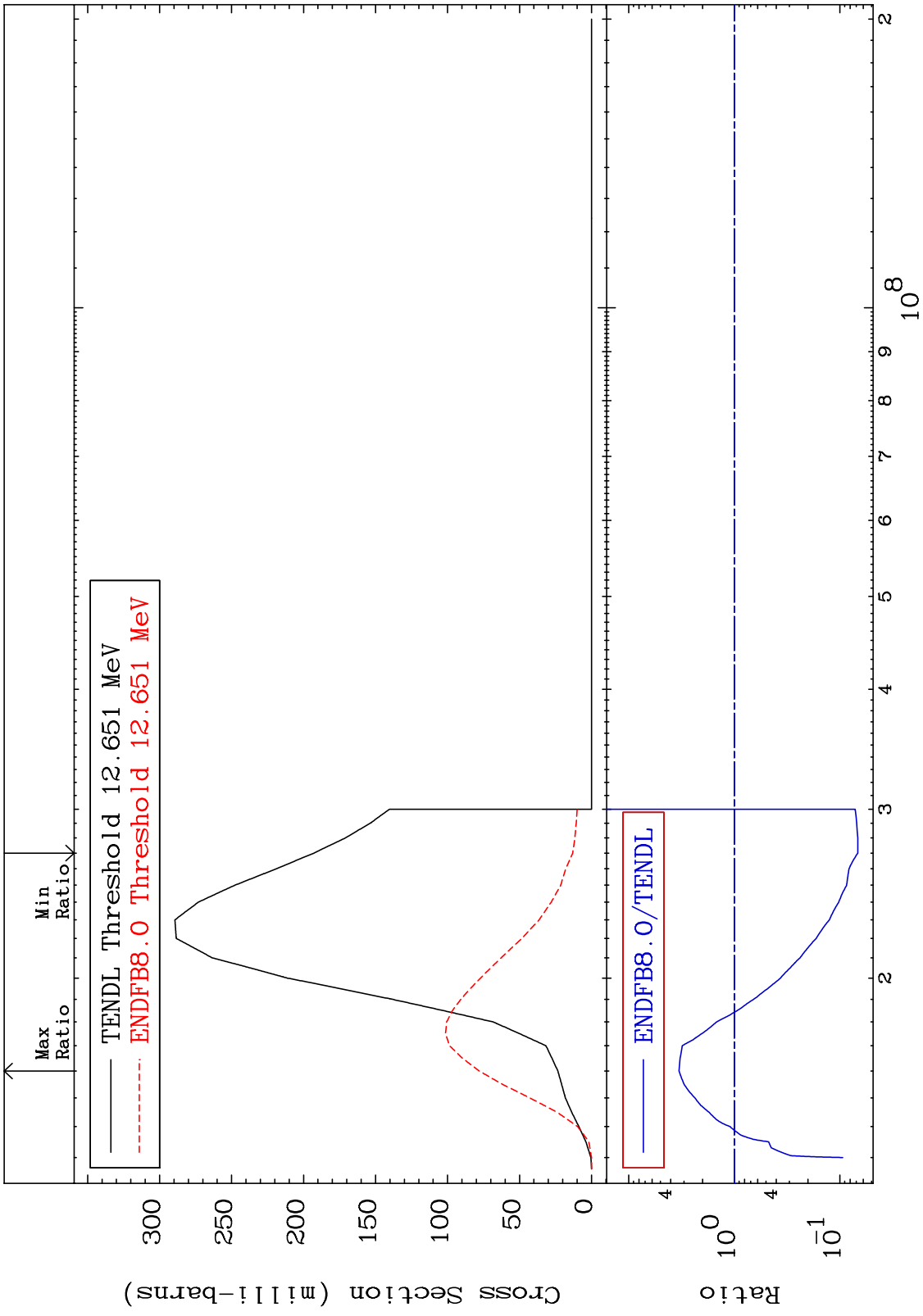
MAT 9543 95-Am-241
-58.01 To 27.88 %
Inelastic Cross Section



MAT 9543 (n,2n) Cross Section 95-Am-241 -84.62 To 129.1 %



MAT 9543 (n,3n) 95-Am-241
Cross Section -93.25 To 233.5 %

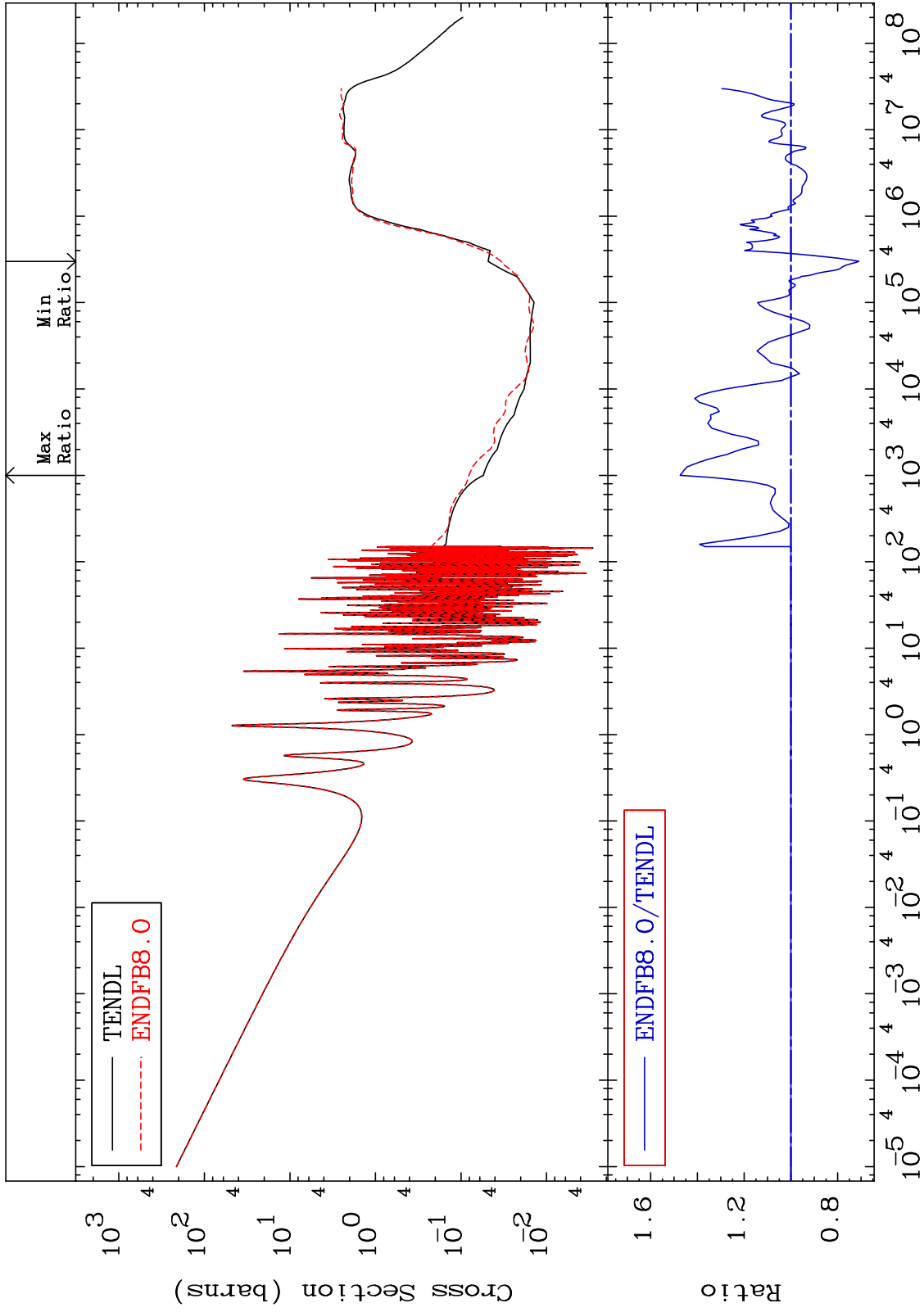


MAT 9543

Fission
Cross Section

95-Am-241

-29.06 To 47.39 %

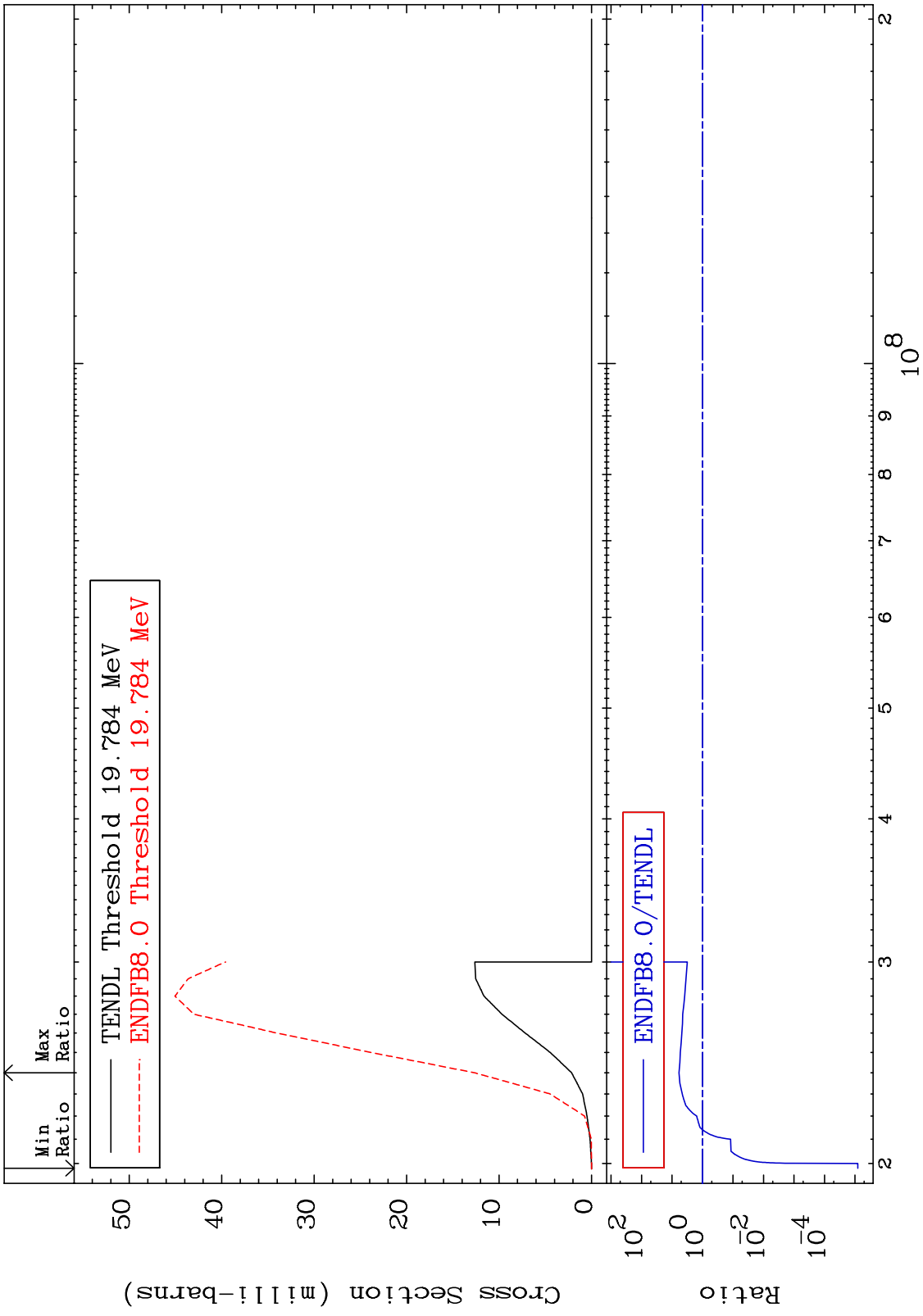


6

Incident Energy (eV)

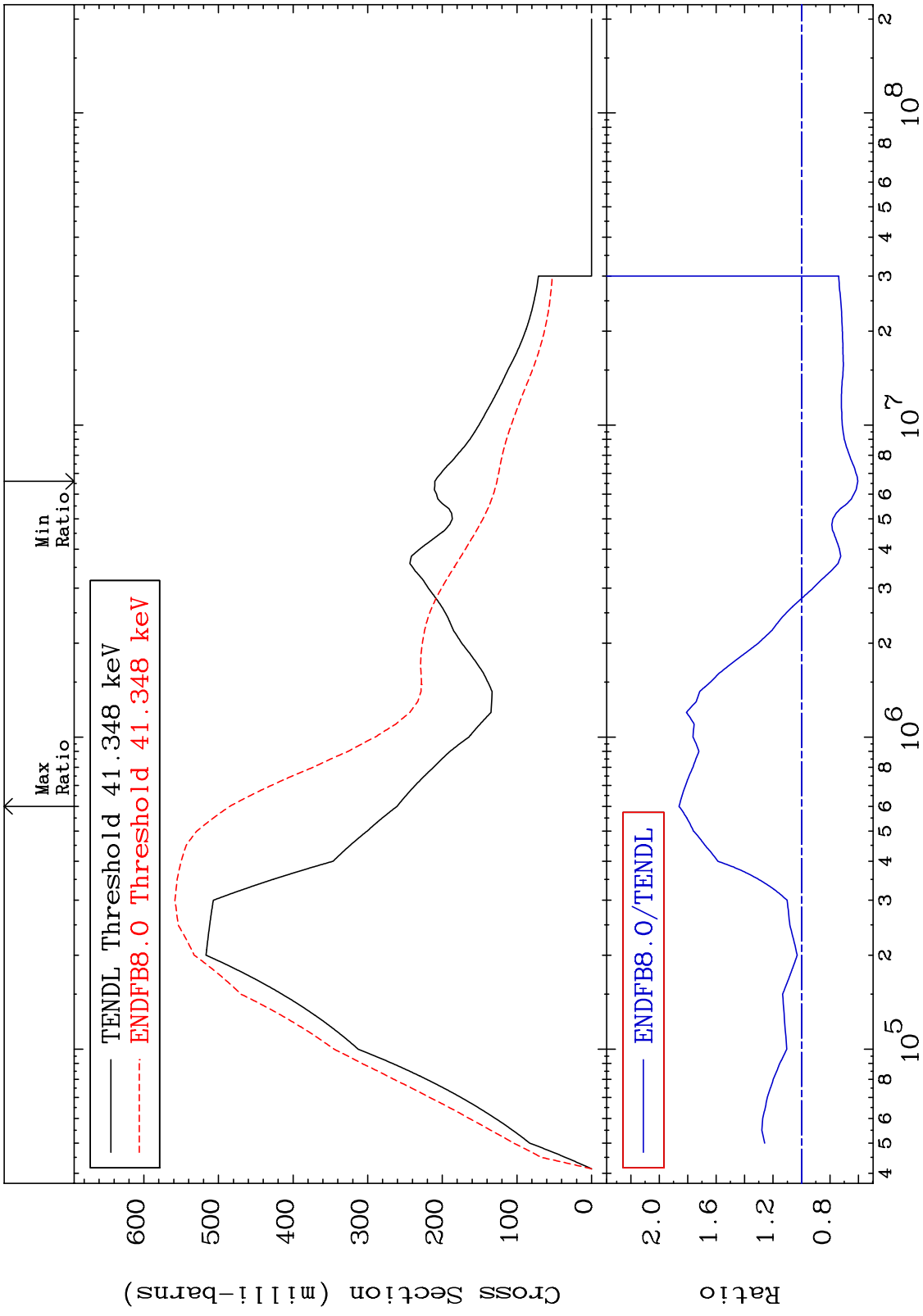
95-Am-241

MAT 9543 (n,4n) Cross Section 95-Am-241 -100.0 To 487.9 %

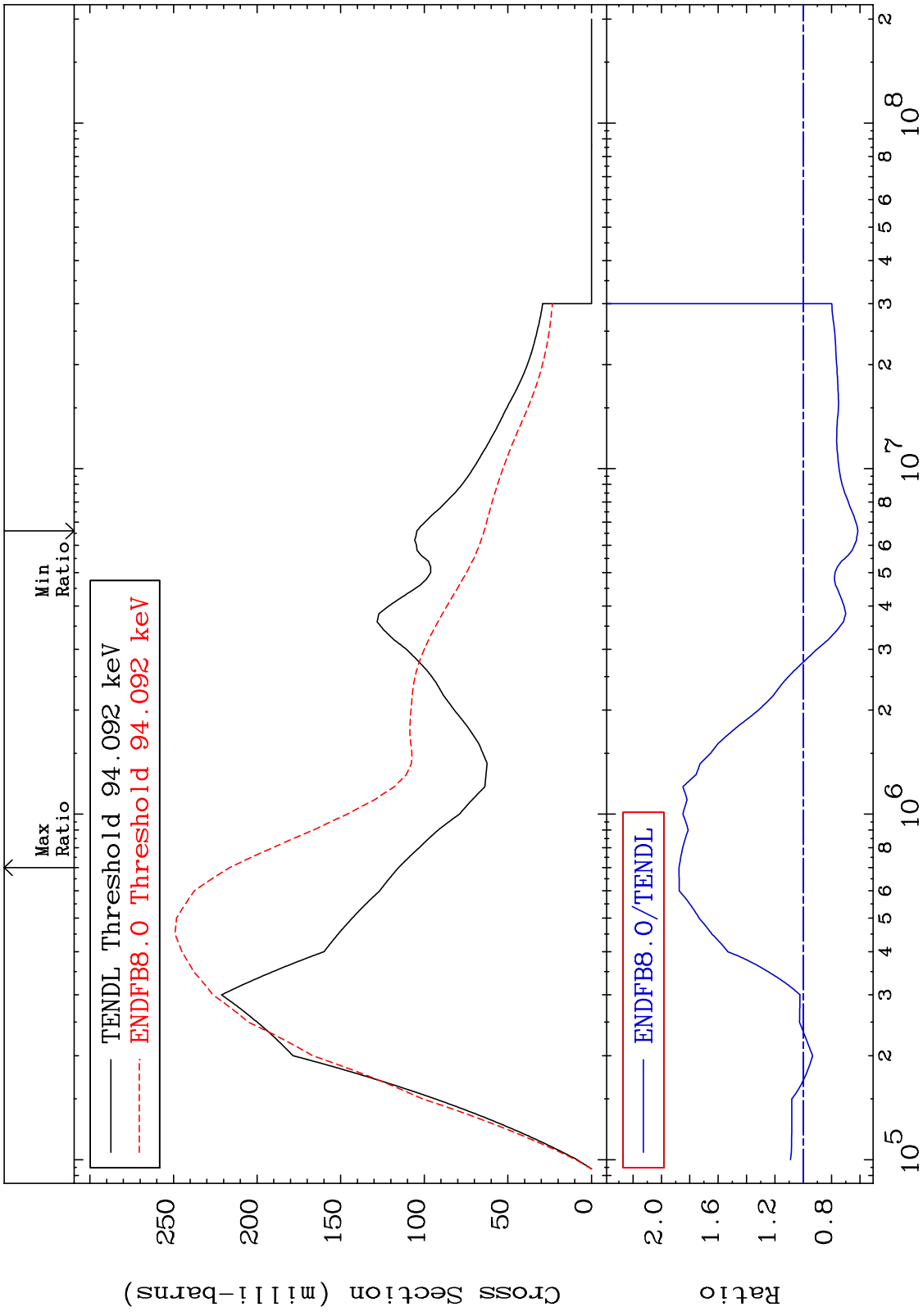


7 Incident Energy (eV) 95-Am-241

MAT 9543 MT= 51 (n,n') Level 95-Am-241
 Cross Section -39.58 To 86.09 %

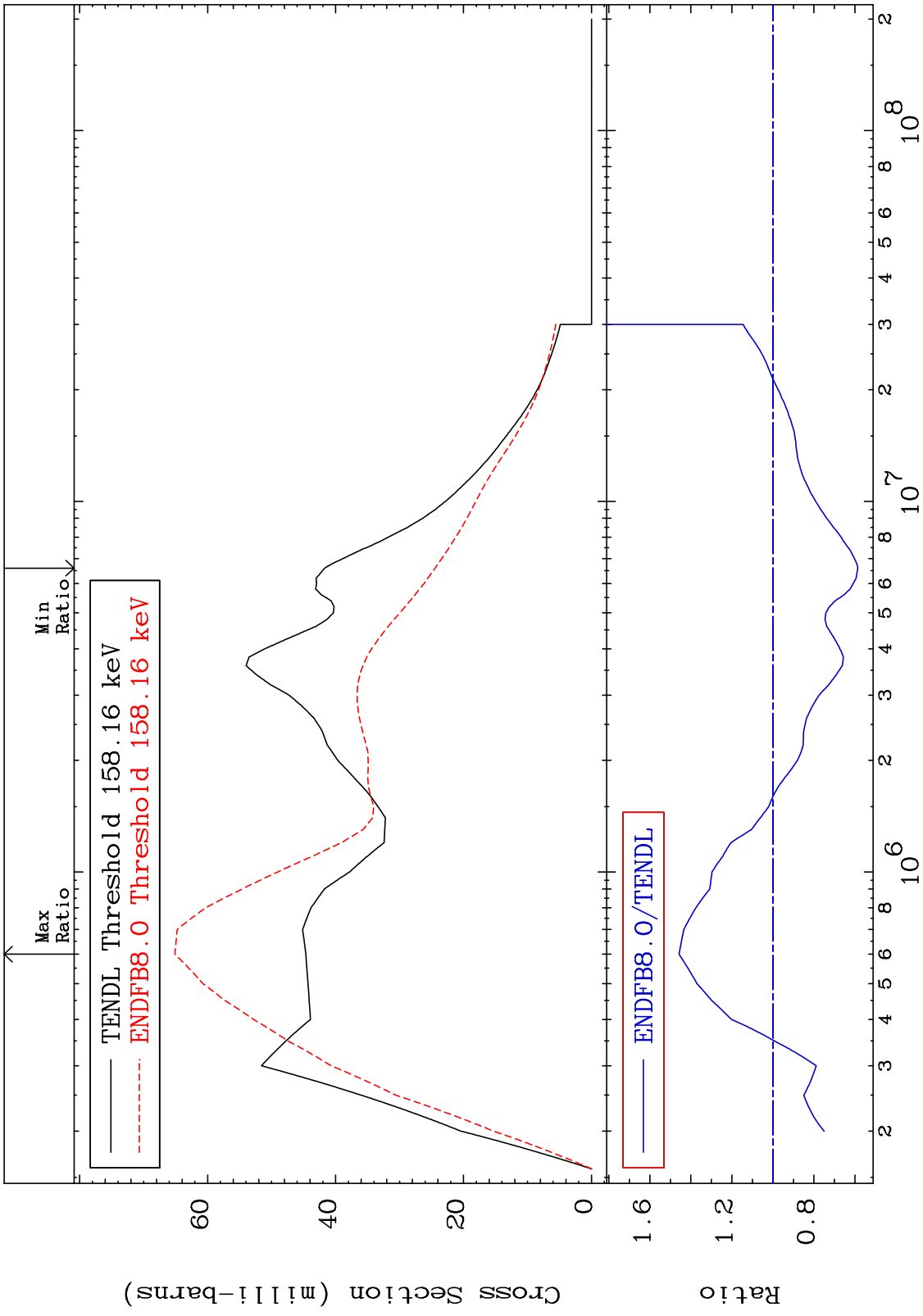


MAT 9543 MT= 52 (n,n') Level Cross Section 95-Am-241
 -38.48 To 87.57 %



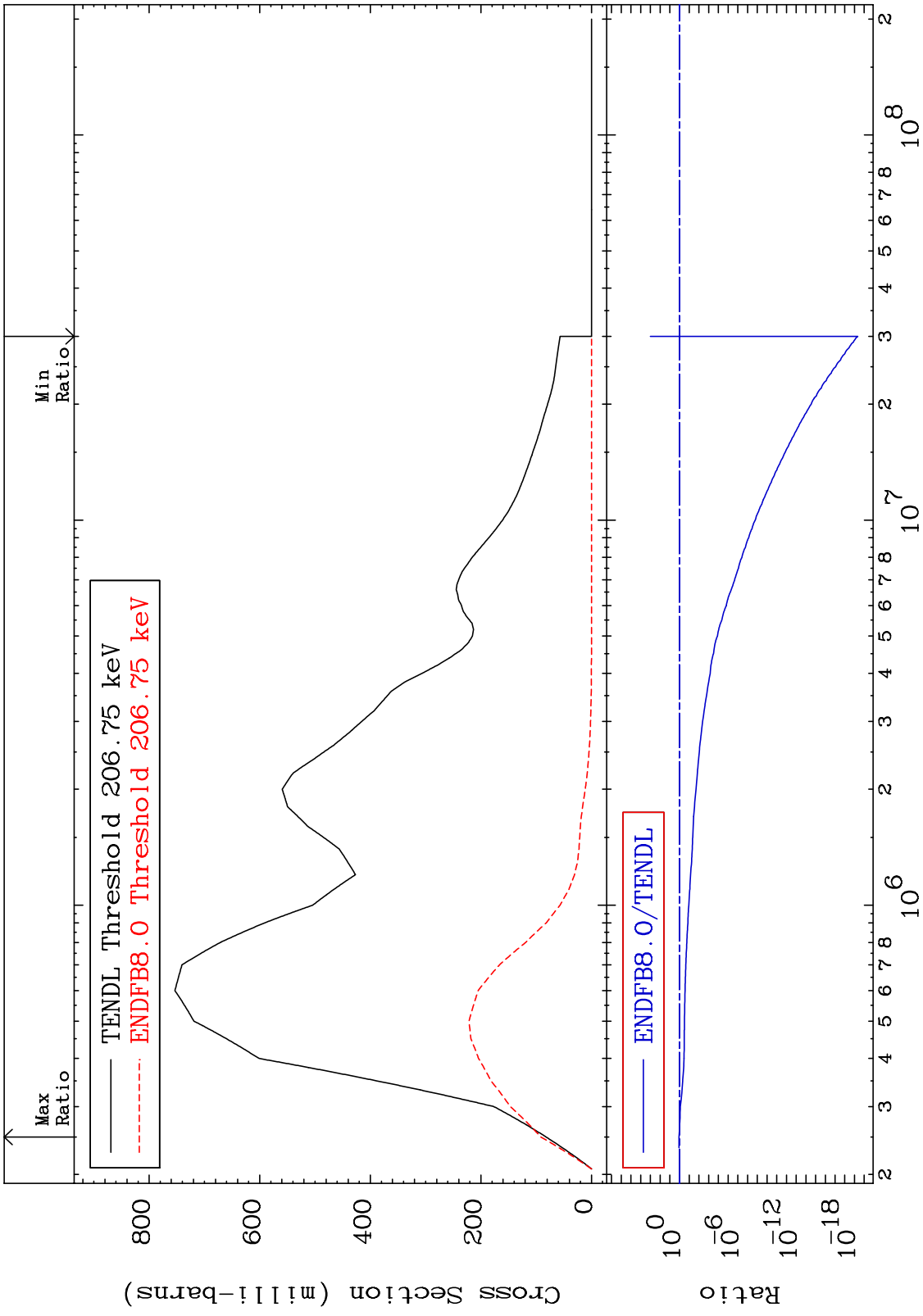
95-Am-241 Incident Energy (eV)

MAT 9543 MT= 53 (n,n') Level Cross Section 95-Am-241
 -41.41 To 45.77 %

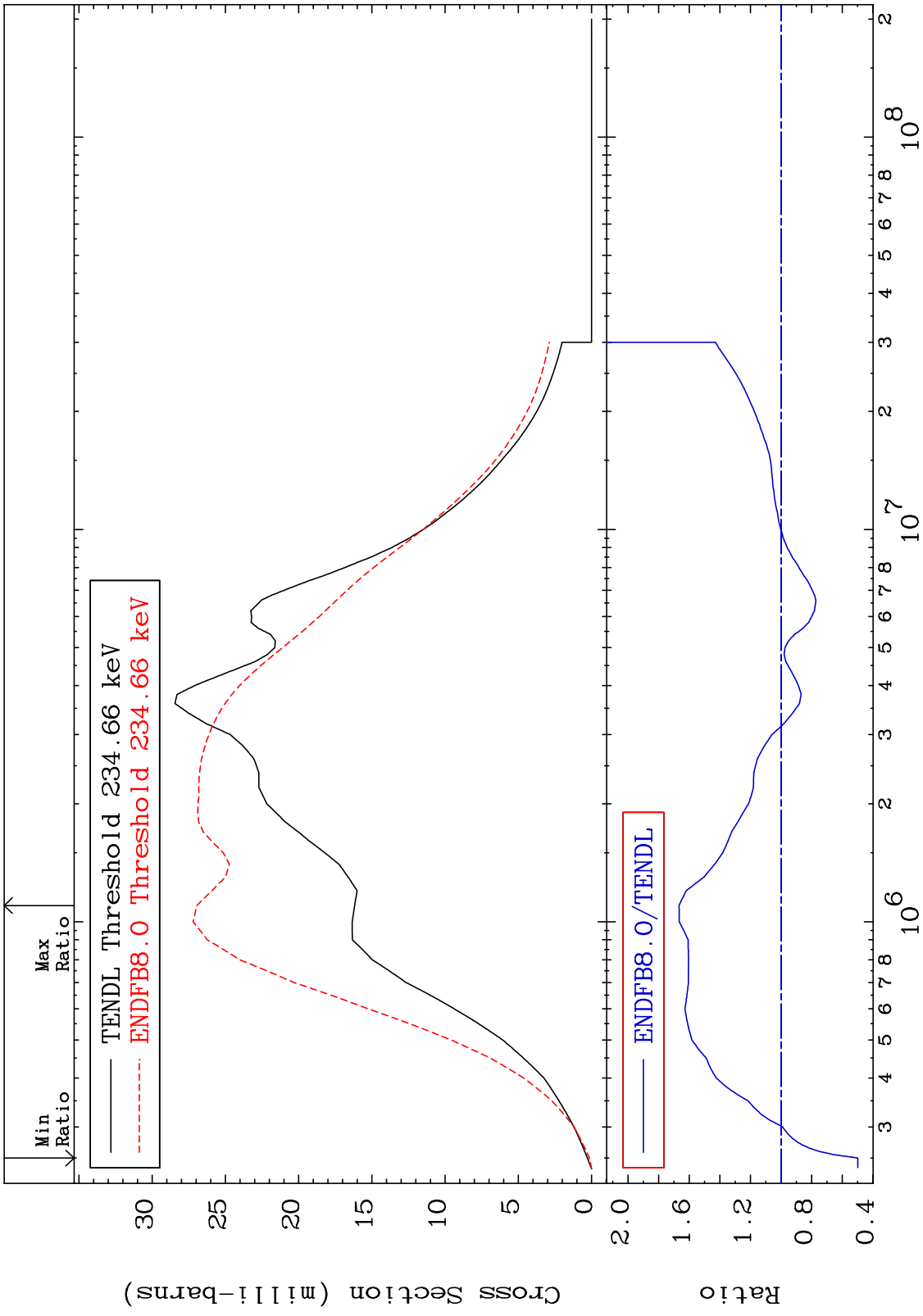


10 Incident Energy (eV) 95-Am-241

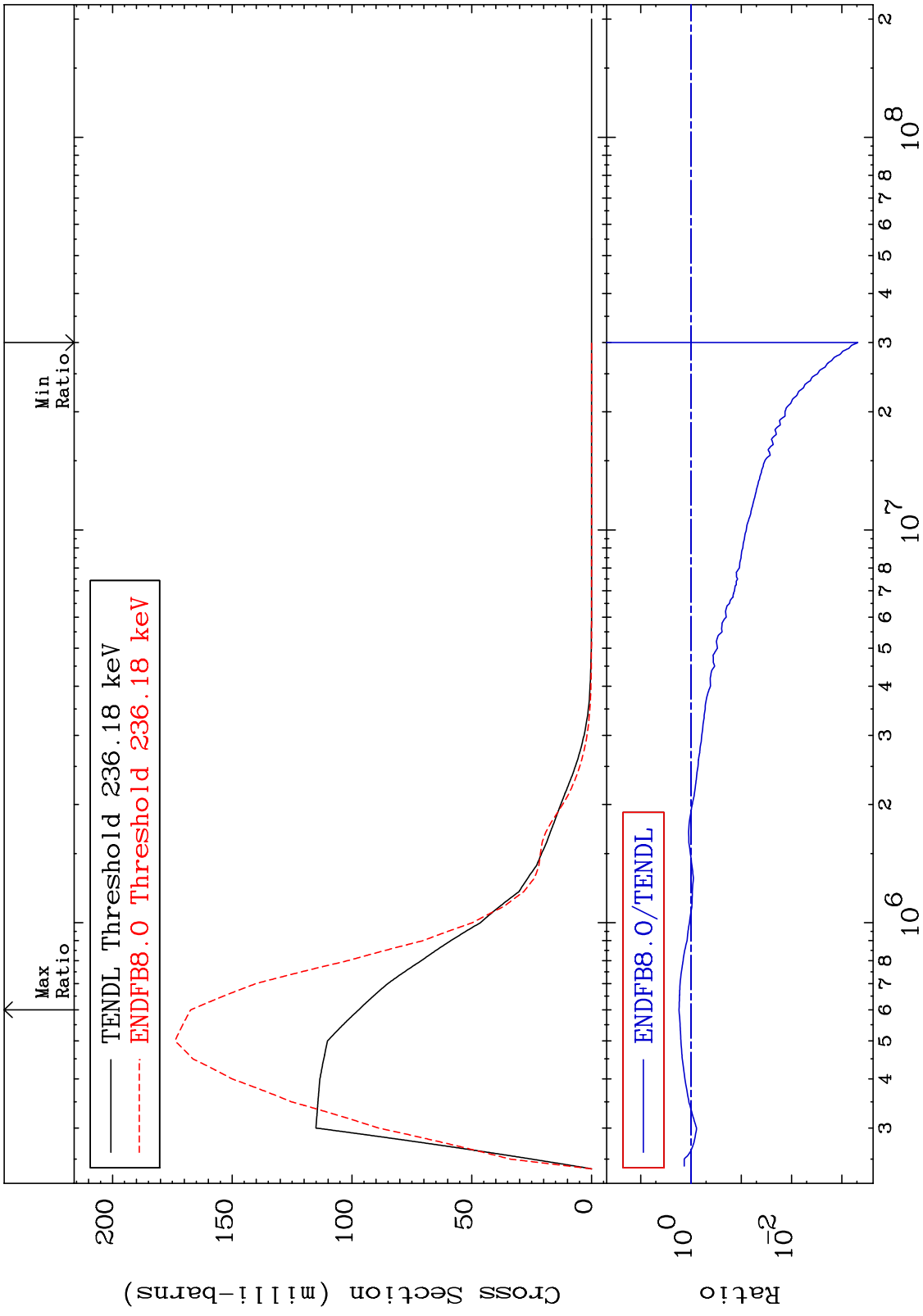
MAT 9543 MT= 54 (n,n') Level Cross Section 95-Am-241
 -100.0 To 11.69 %



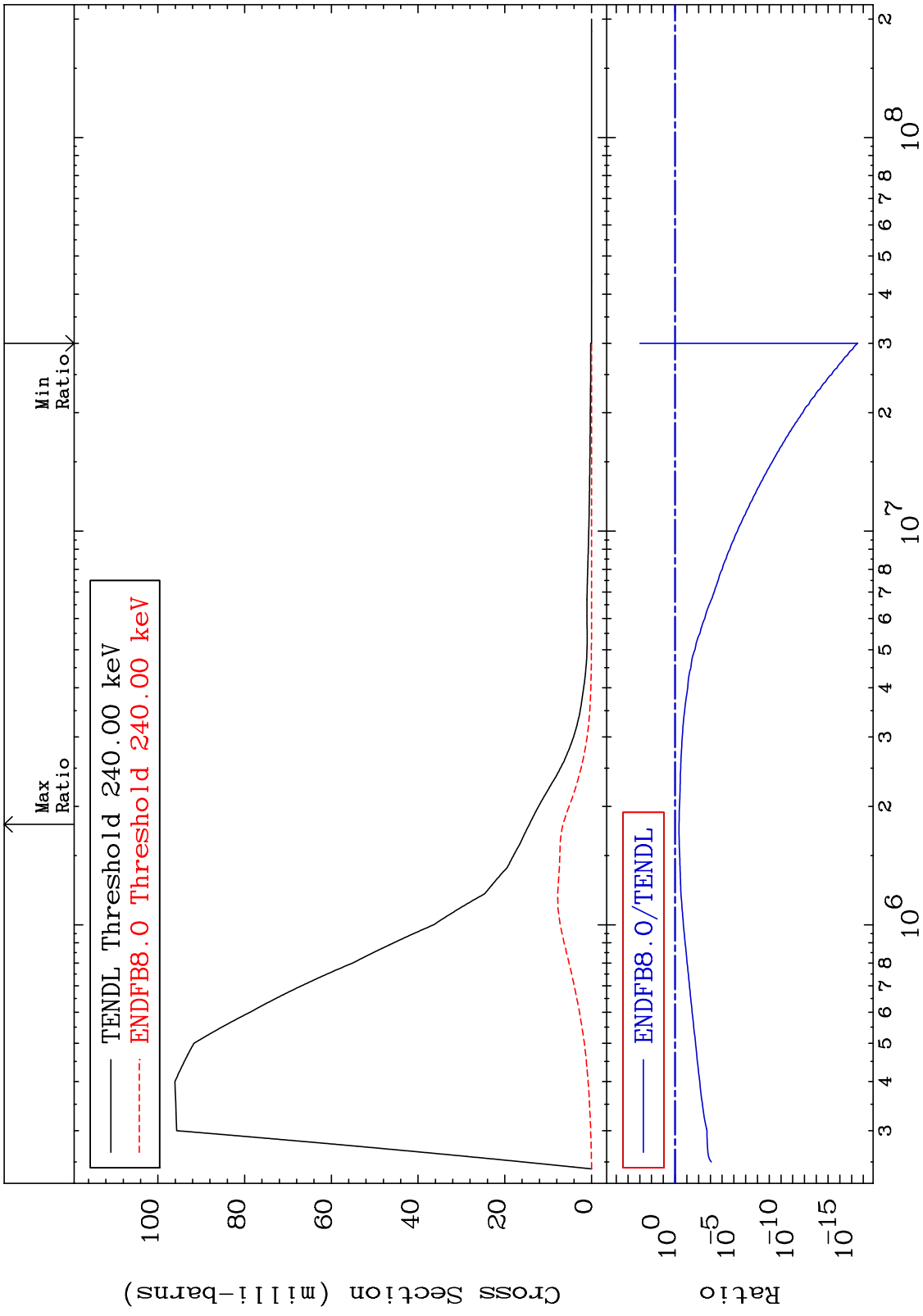
MAT 9543 MT= 55 (n,n') Level Cross Section 95-Am-241
 -50.18 To 66.62 %



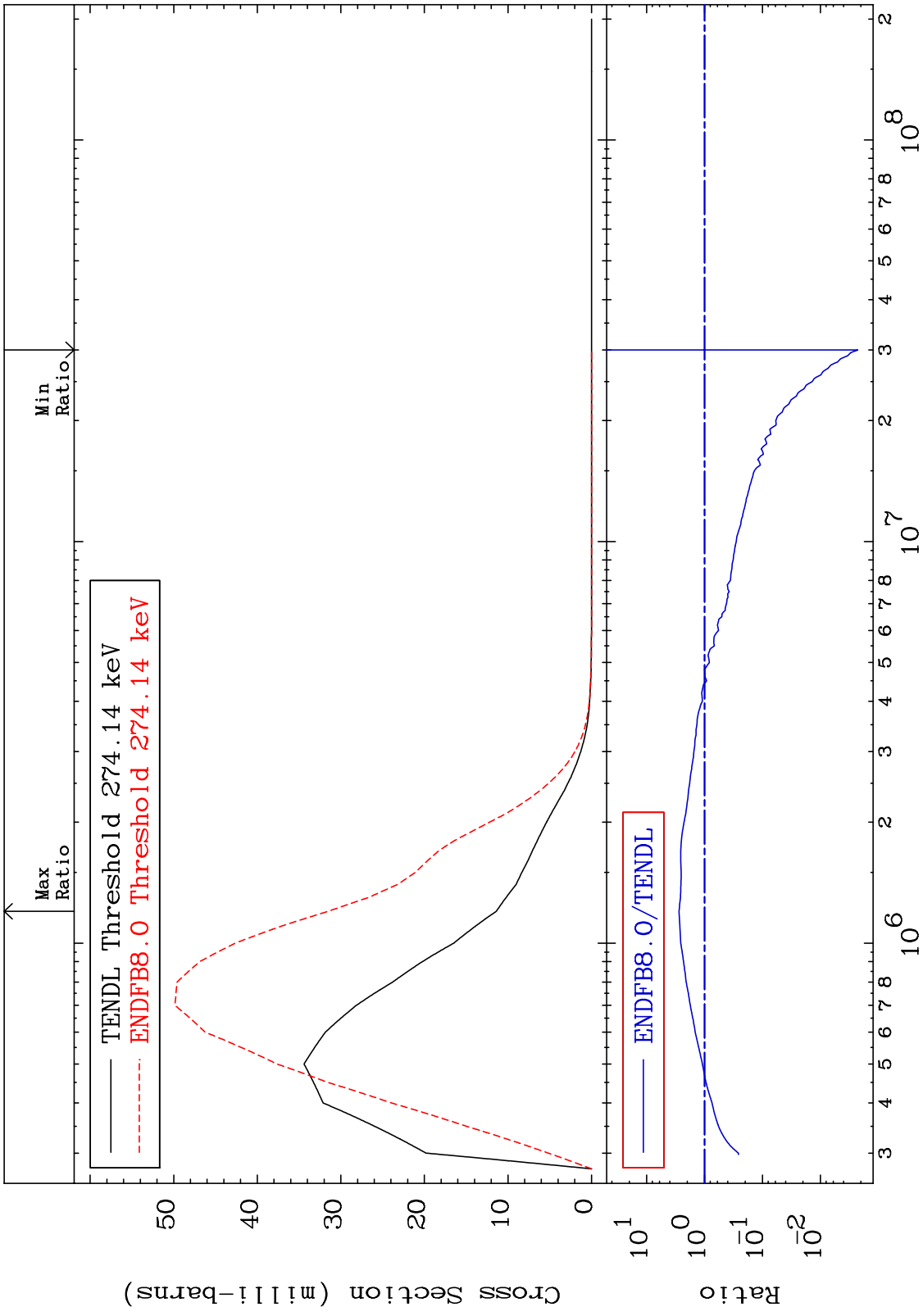
MAT 9543 MT= 56 (n,n') Level Cross Section 95-Am-241
 -99.95 To 72.20 %



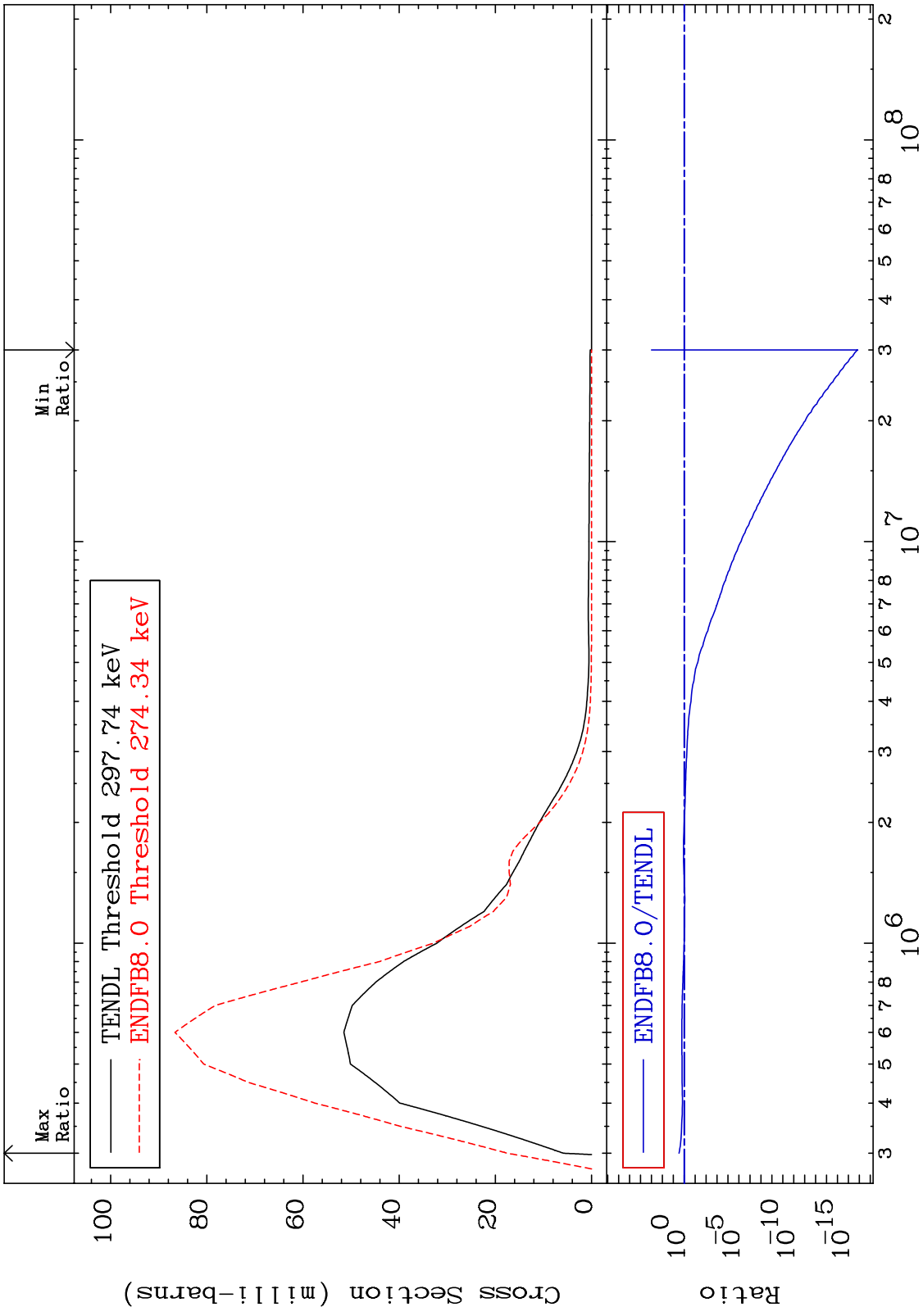
MAT 9543 MT= 57 (n,n') Level Cross Section 95-Am-241
 -100.0 To -54.16%



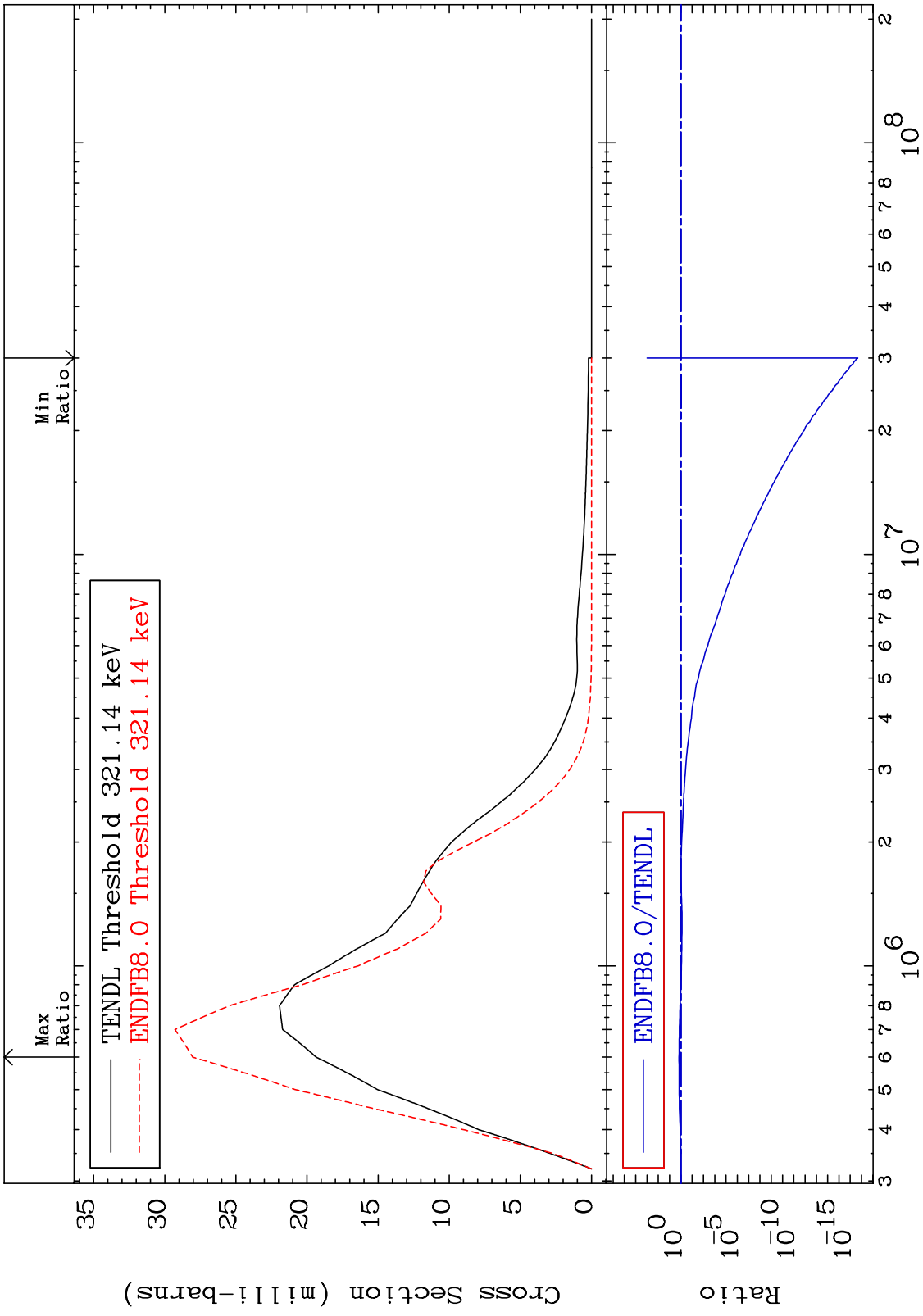
MAT 9543 MT= 58 (n,n') Level Cross Section 95-Am-241
 -99.77 To 176.4 %



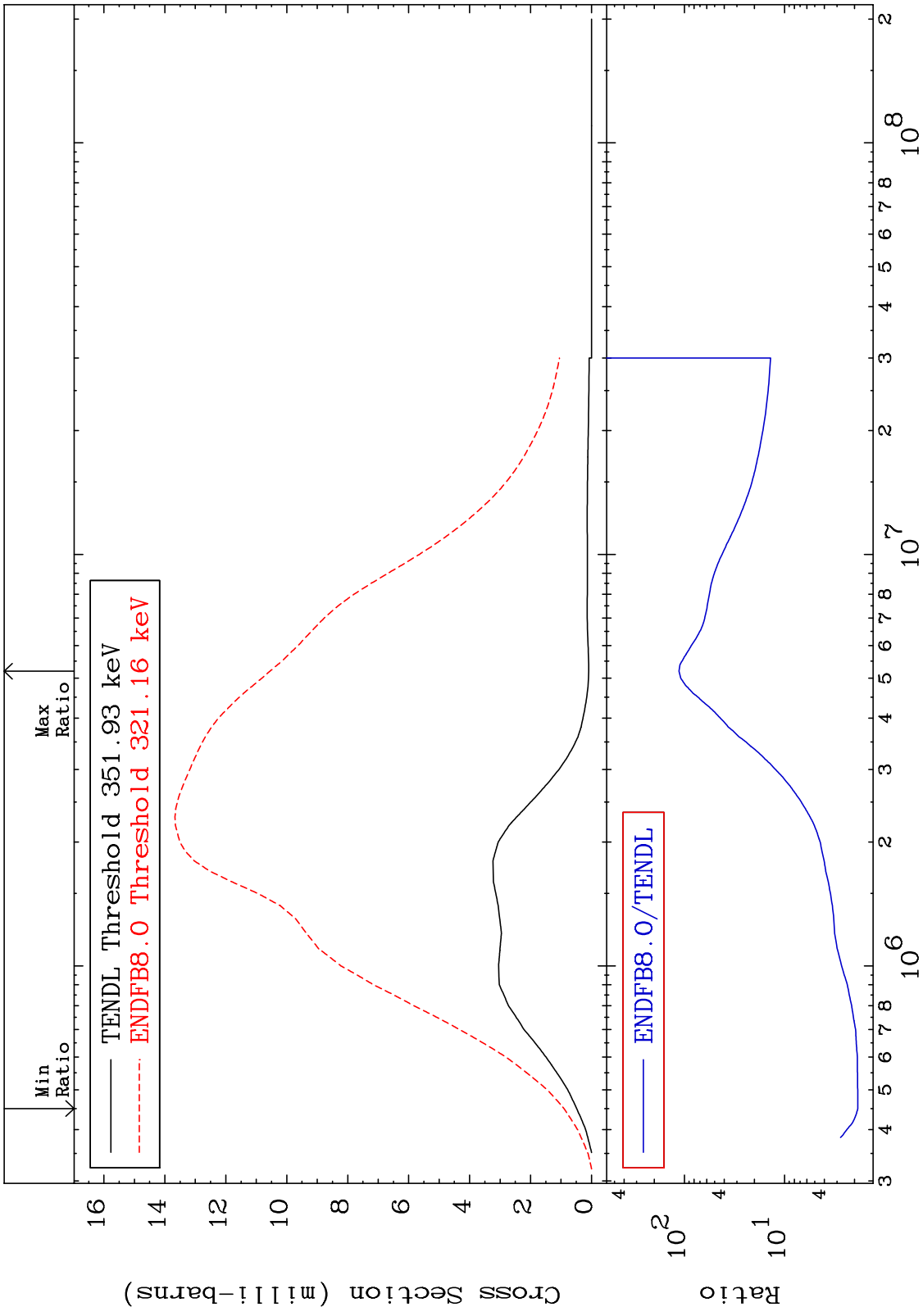
MAT 9543 MT= 59 (n,n') Level Cross Section 95-Am-241 -100.0 To 198.6 %



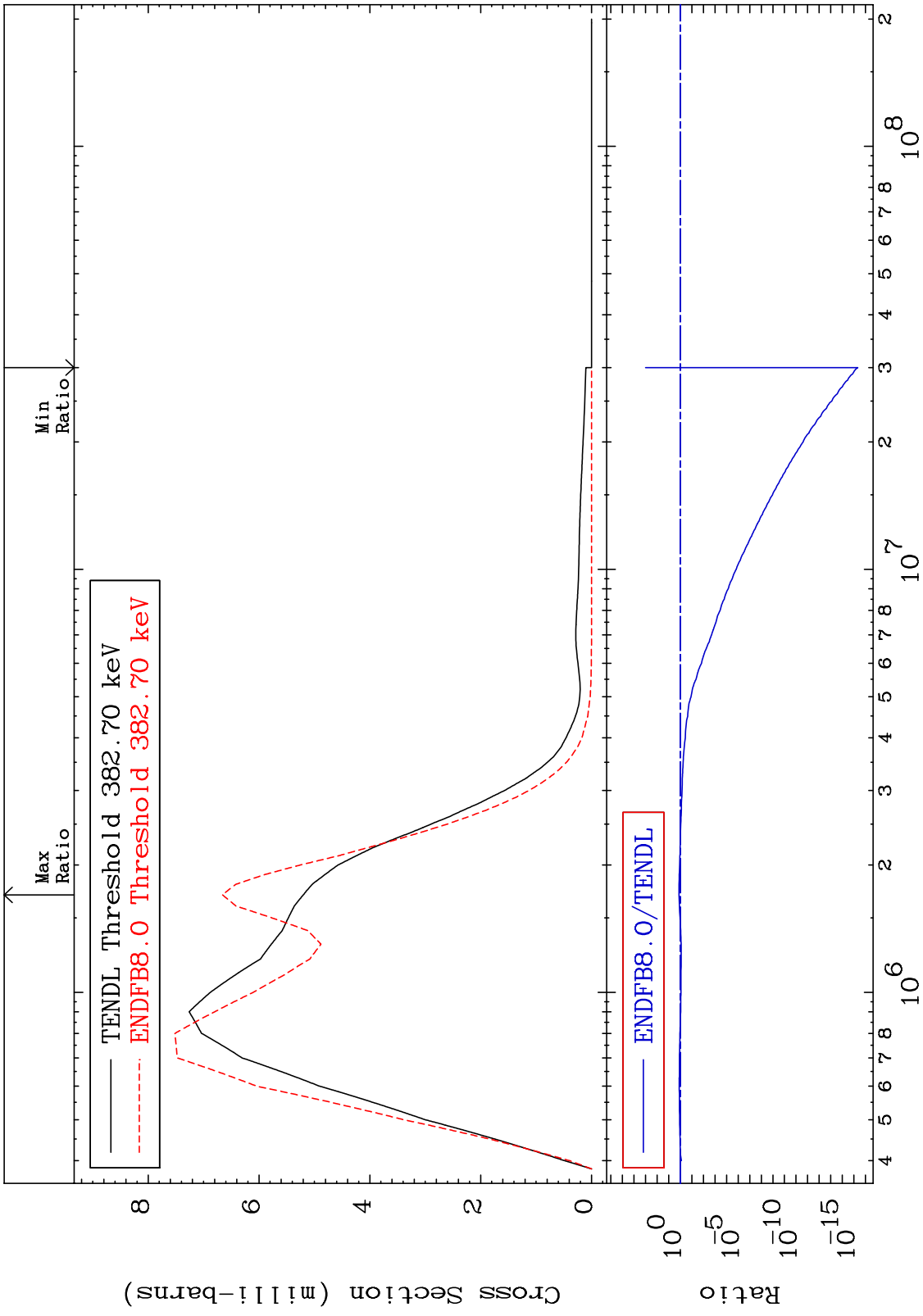
MAT 9543 MT= 60 (n,n') Level 95-Am-241
 Cross Section -100.0 To 44.85 %



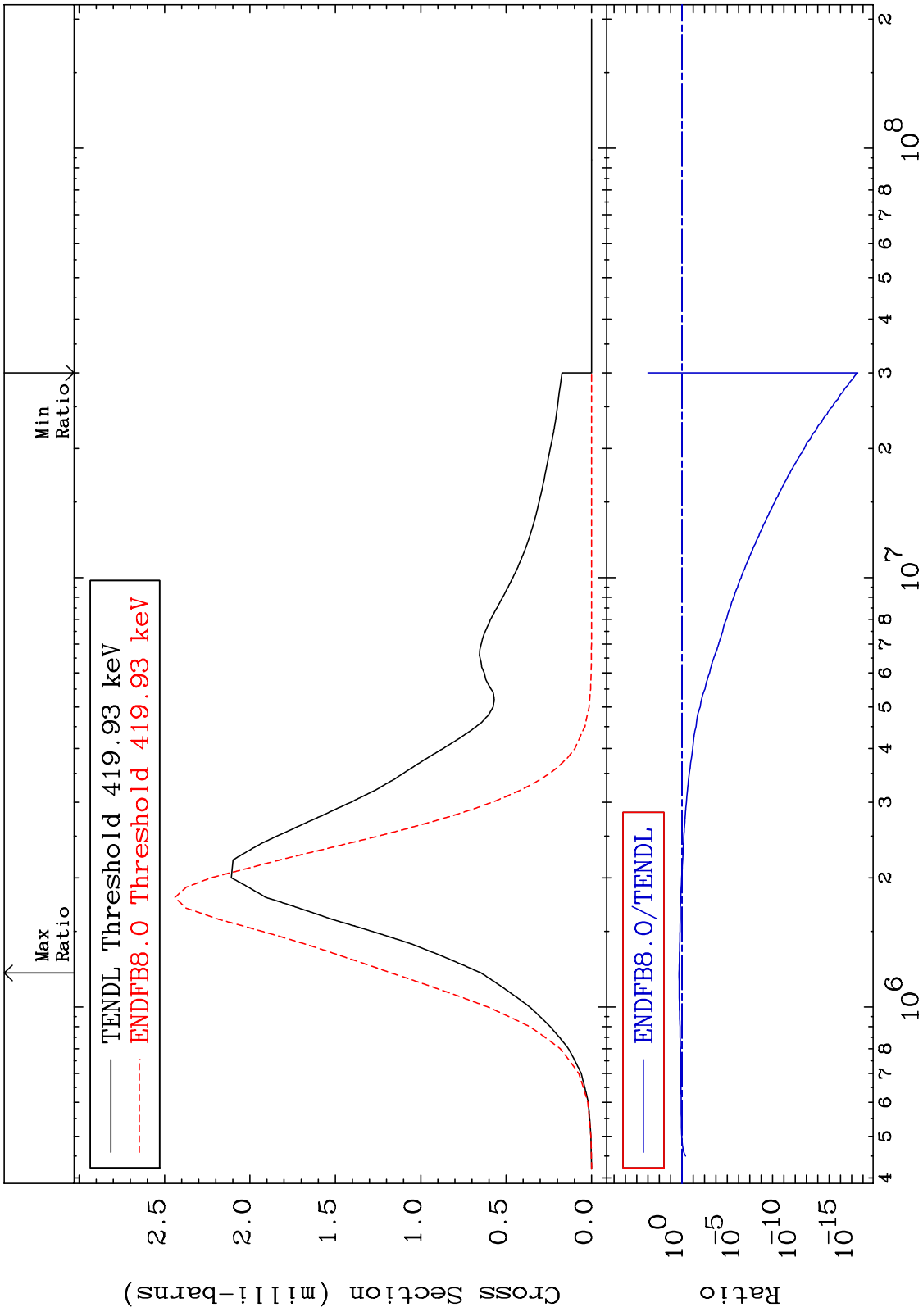
MAT 9543 MT= 61 (n,n') Level Cross Section 95-Am-241 85.65 To 9999. %



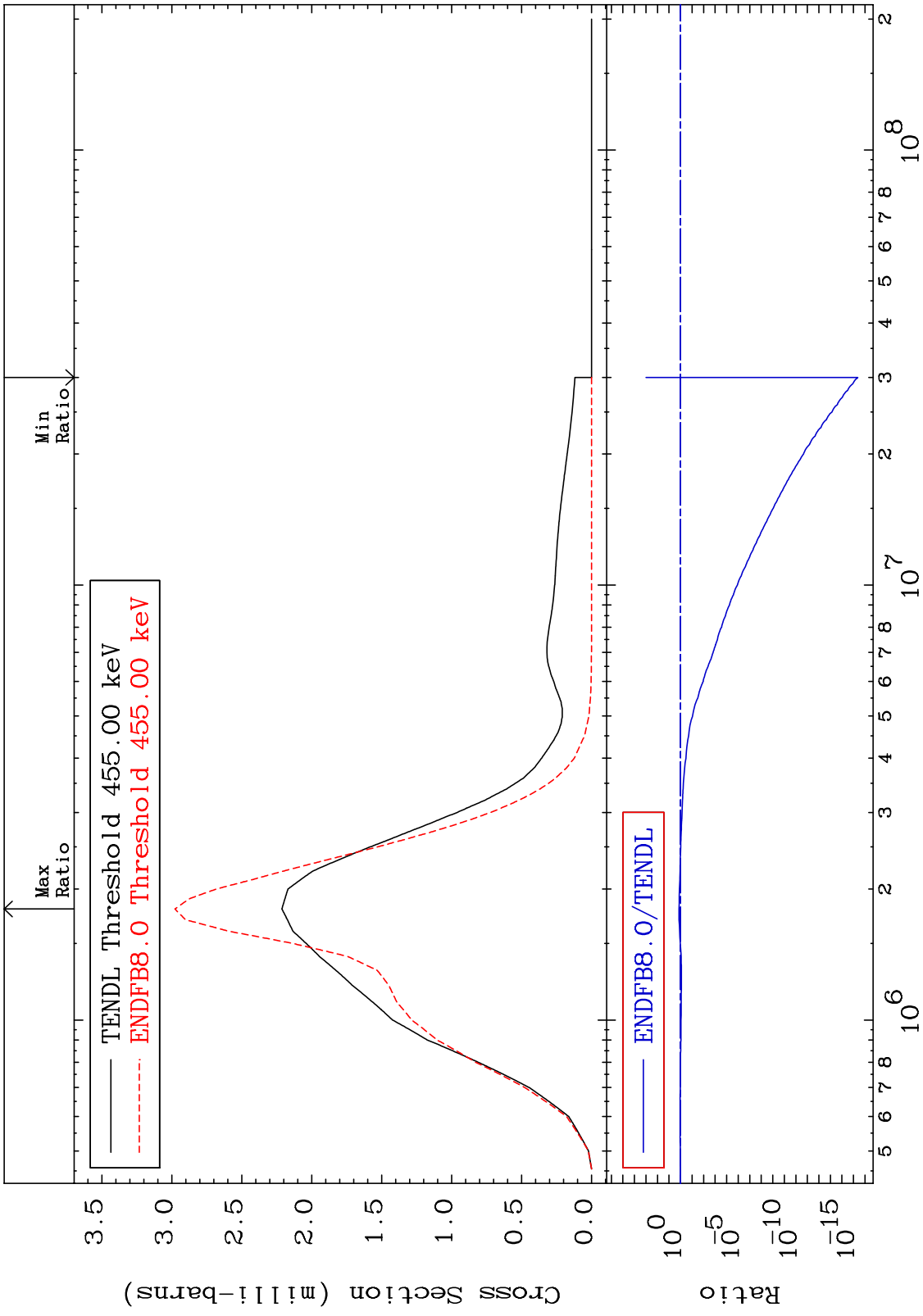
MAT 9543 MT= 62 (n,n') Level Cross Section 95-Am-241
 -100.0 To 28.01 %



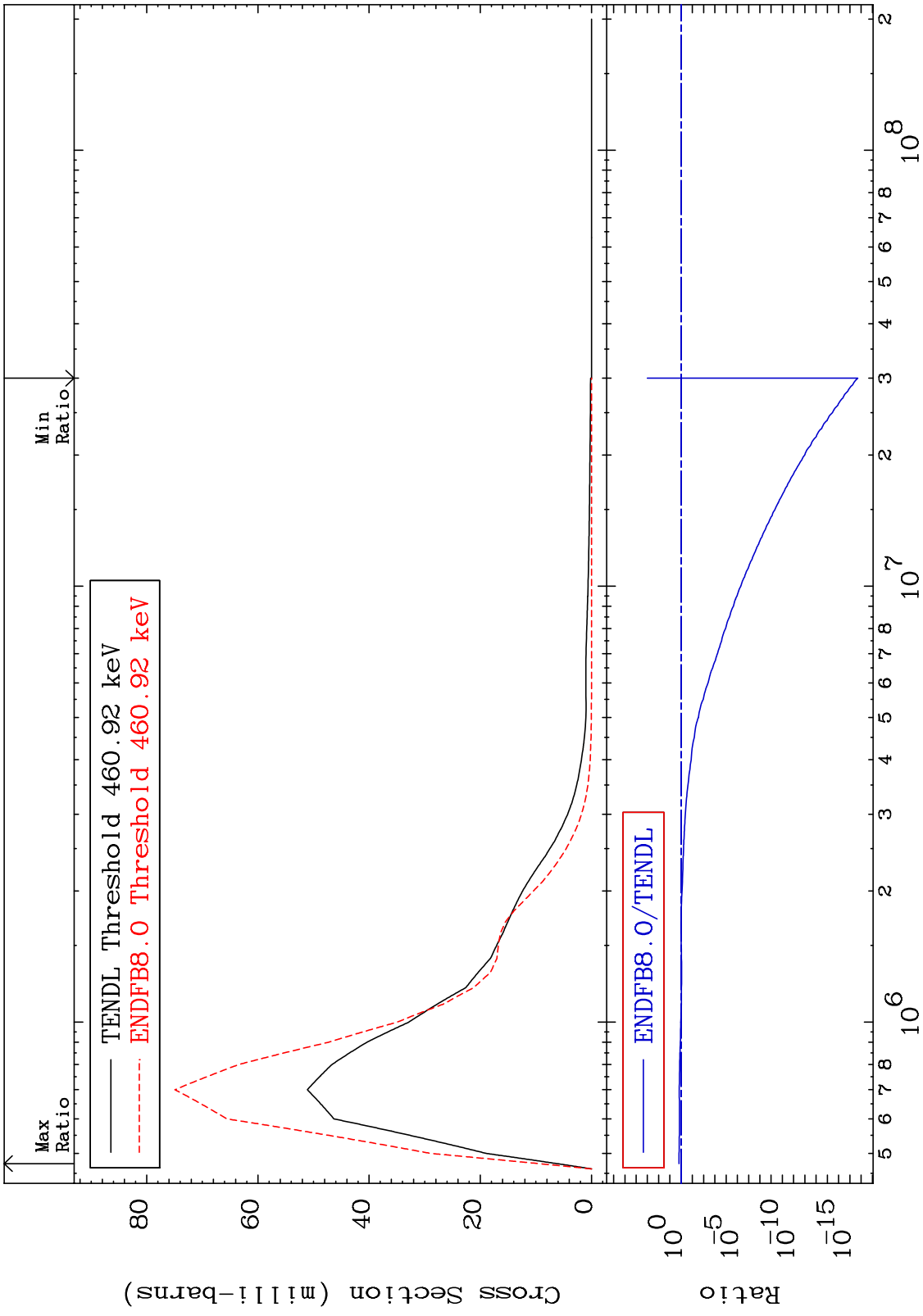
MAT 9543 MT= 63 (n,n') Level Cross Section 95-Am-241
 -100.0 To 81.28 %



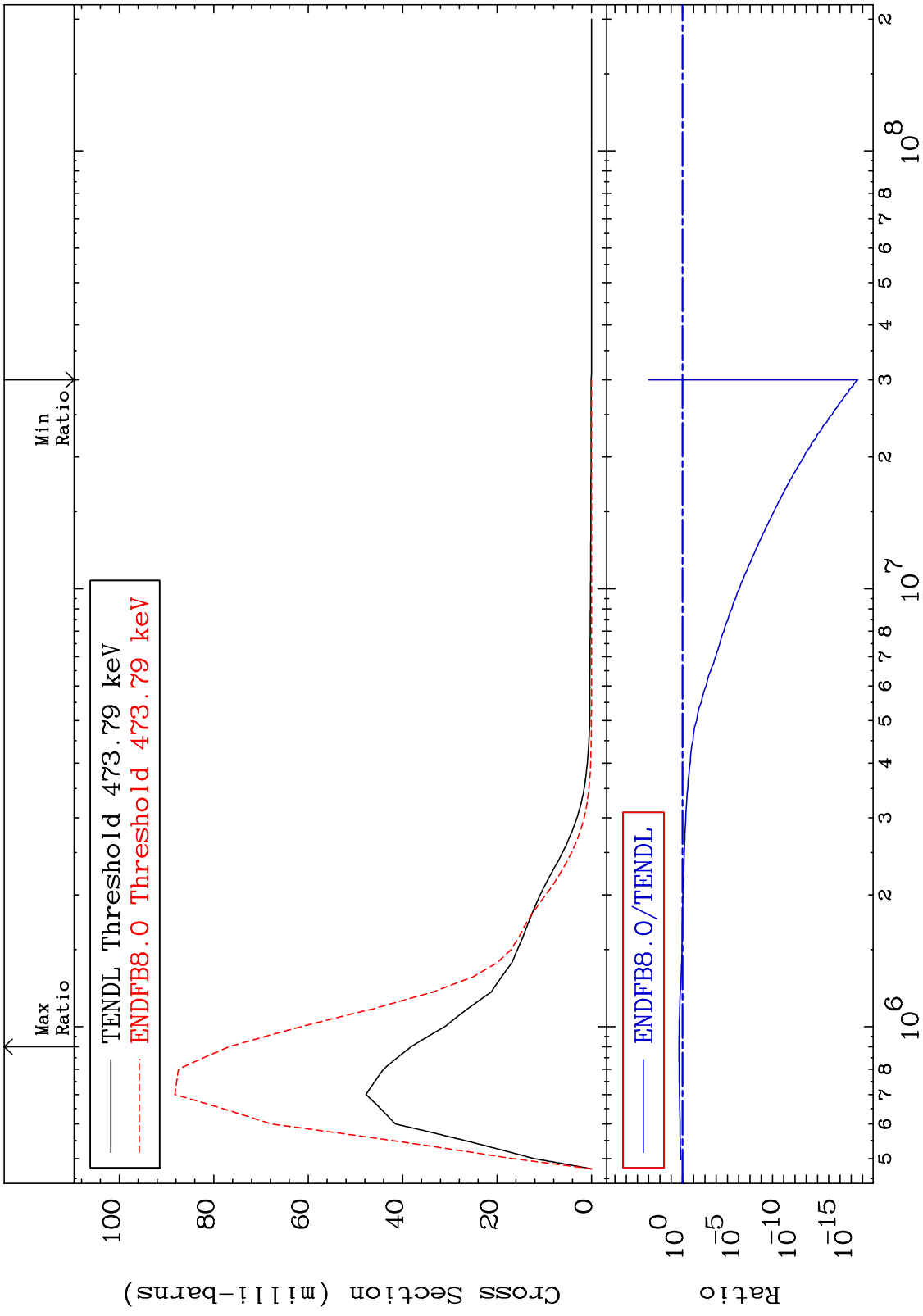
MAT 9543 MT= 64 (n,n') Level Cross Section 95-Am-241
 -100.0 To 34.54 %



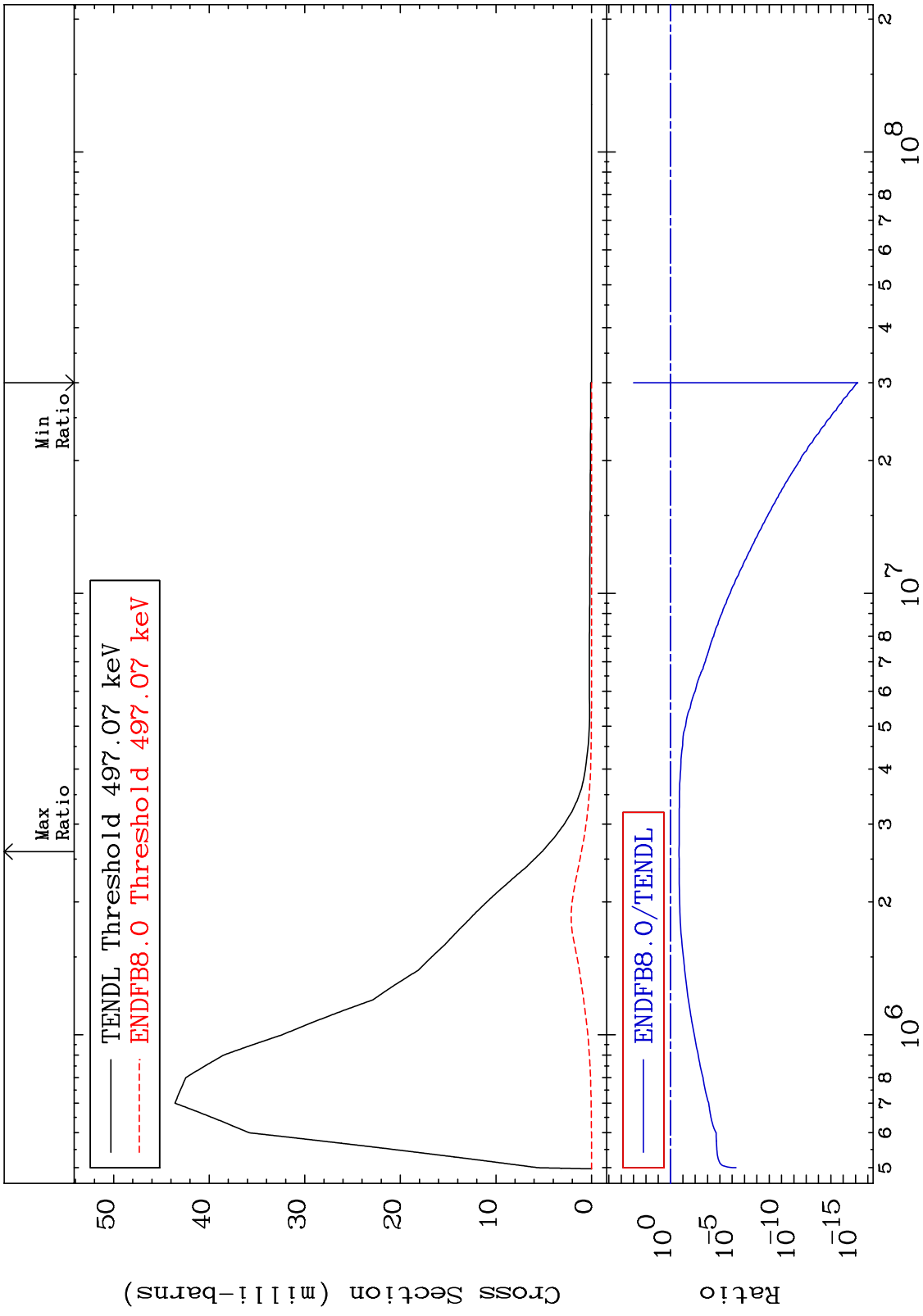
MAT 9543 MT= 65 (n,n') Level Cross Section 95-Am-241
 -100.0 To 53.02 %



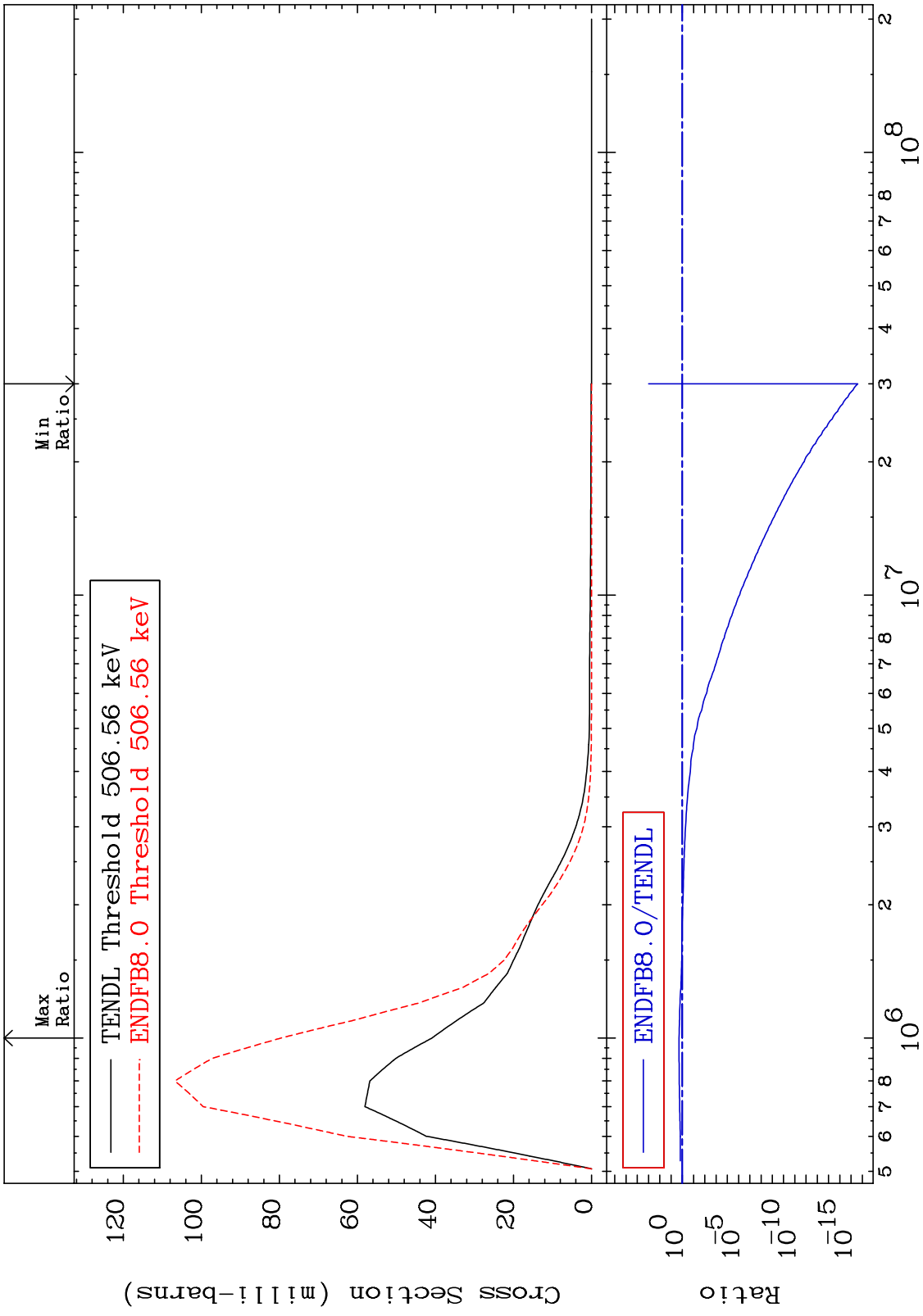
MAT 9543 MT= 66 (n,n') Level Cross Section 95-Am-241
 -100.0 To 100.9 %



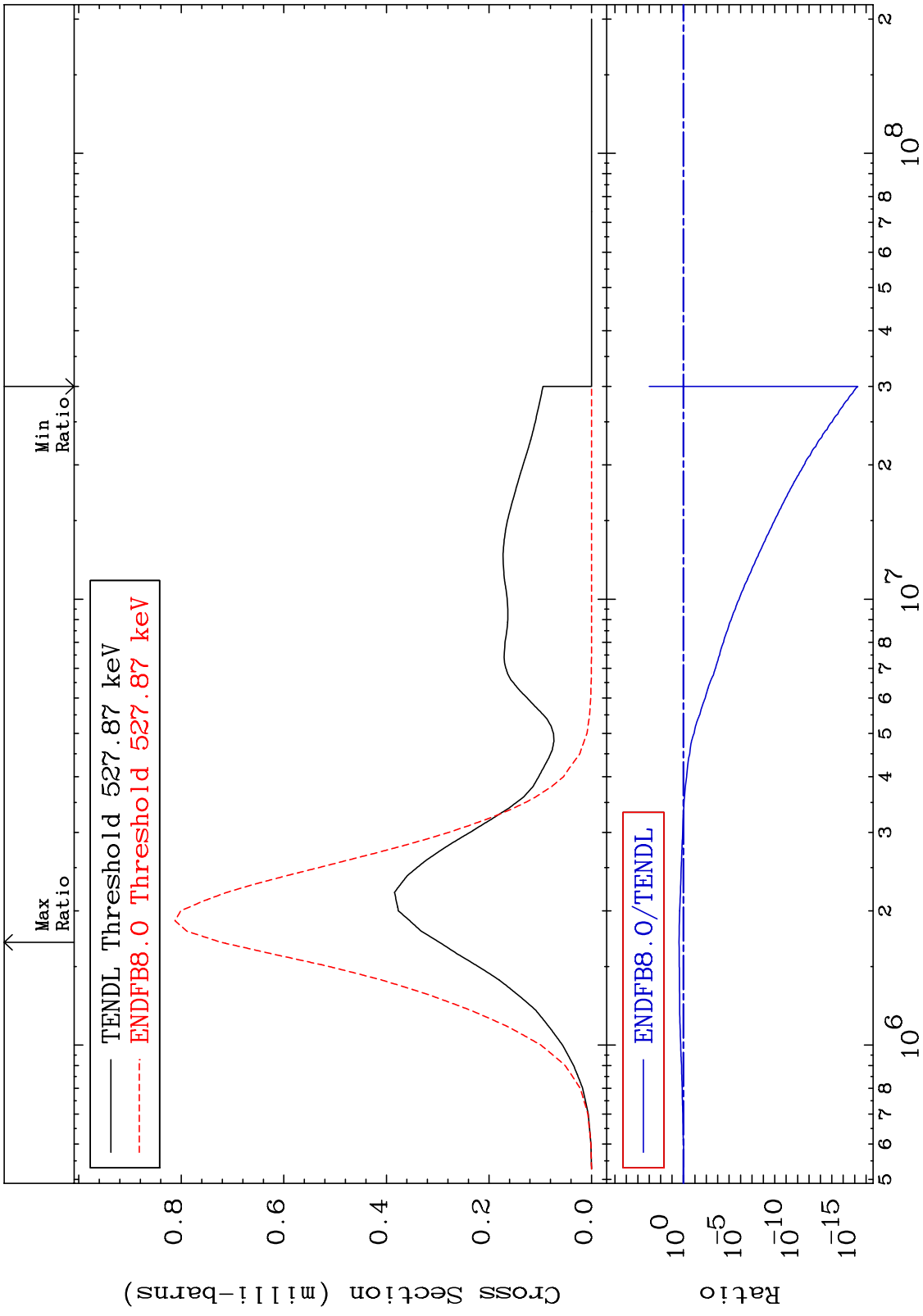
MAT 9543 MT= 67 (n,n') Level Cross Section 95-Am-241
 -100.0 To -79.59%



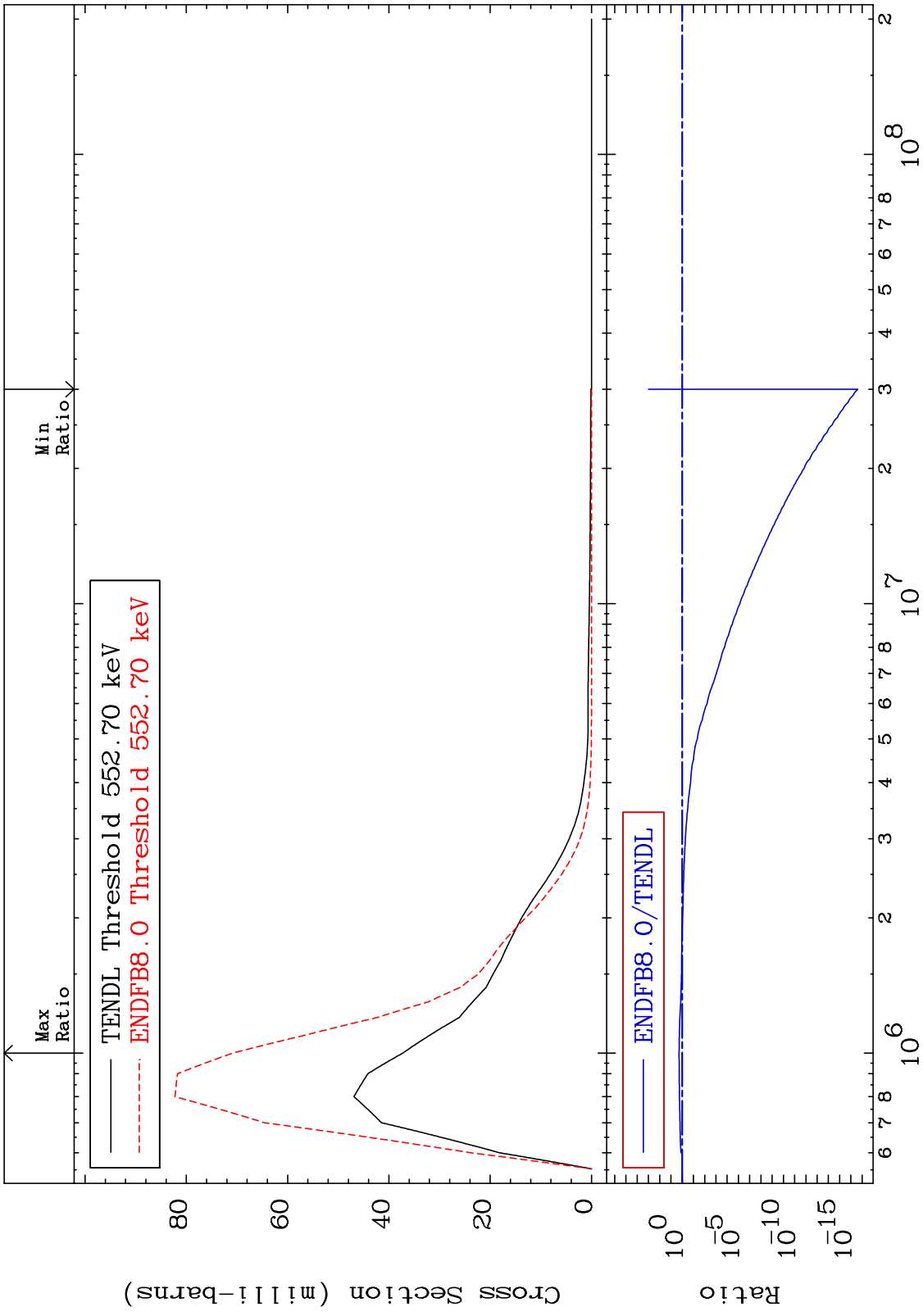
MAT 9543 MT= 68 (n,n') Level Cross Section 95-Am-241
 -100.0 To 94.62 %



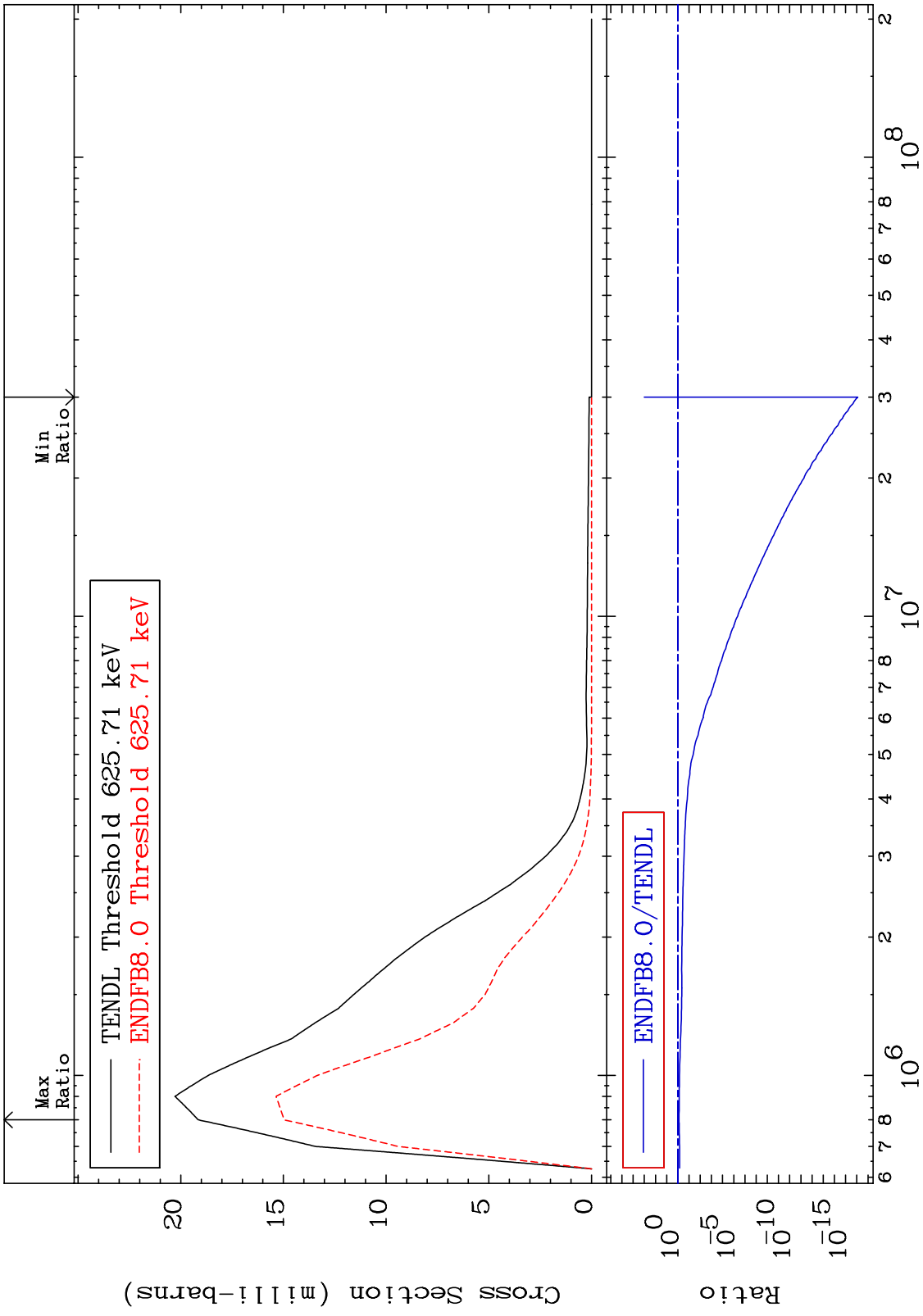
MAT 9543 MT= 69 (n,n') Level Cross Section 95-Am-241 -100.0 To 143.5 %



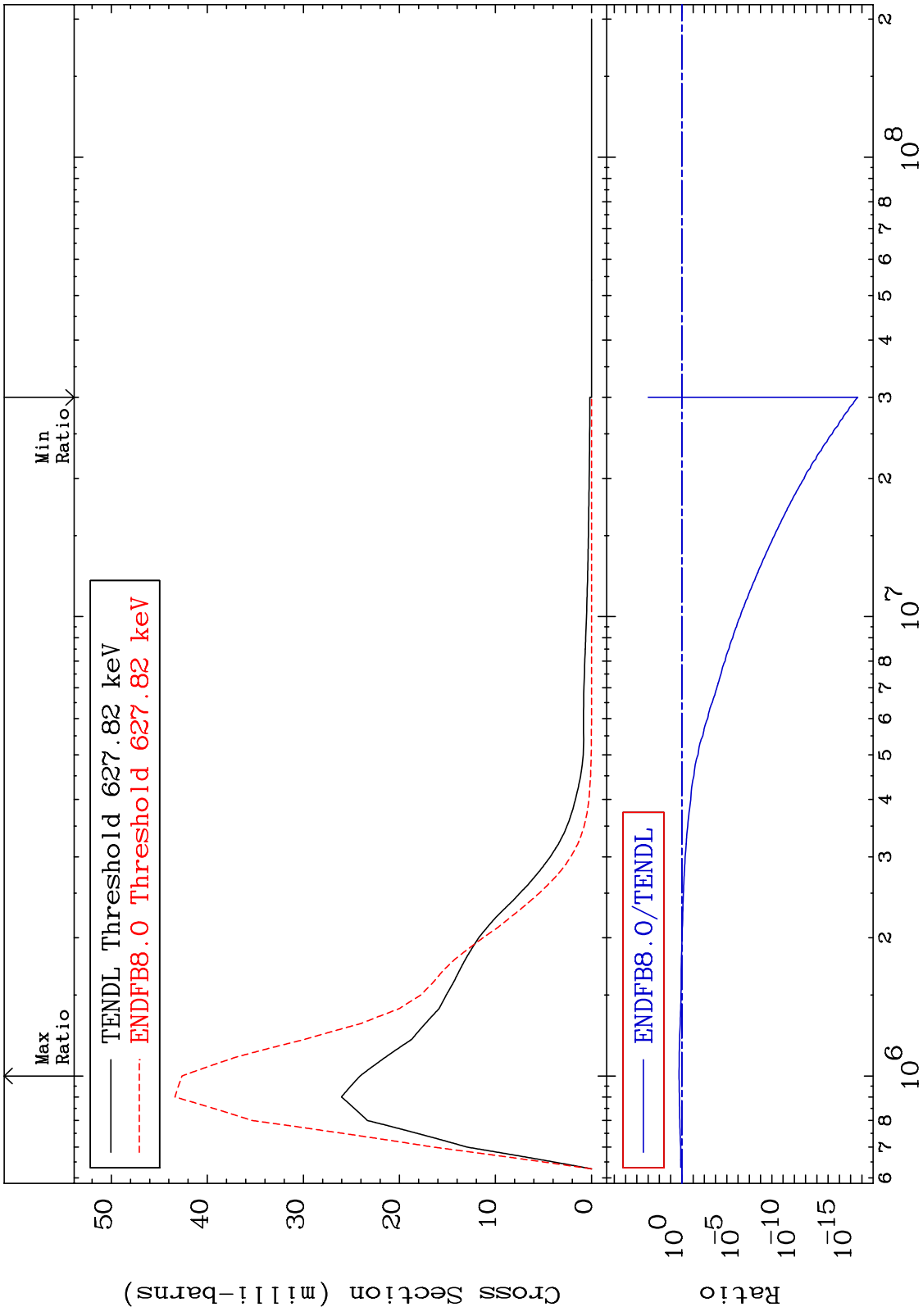
MAT 9543 MT= 72 (n,n') Level Cross Section 95-Am-241
 -100.0 To 90.05 %



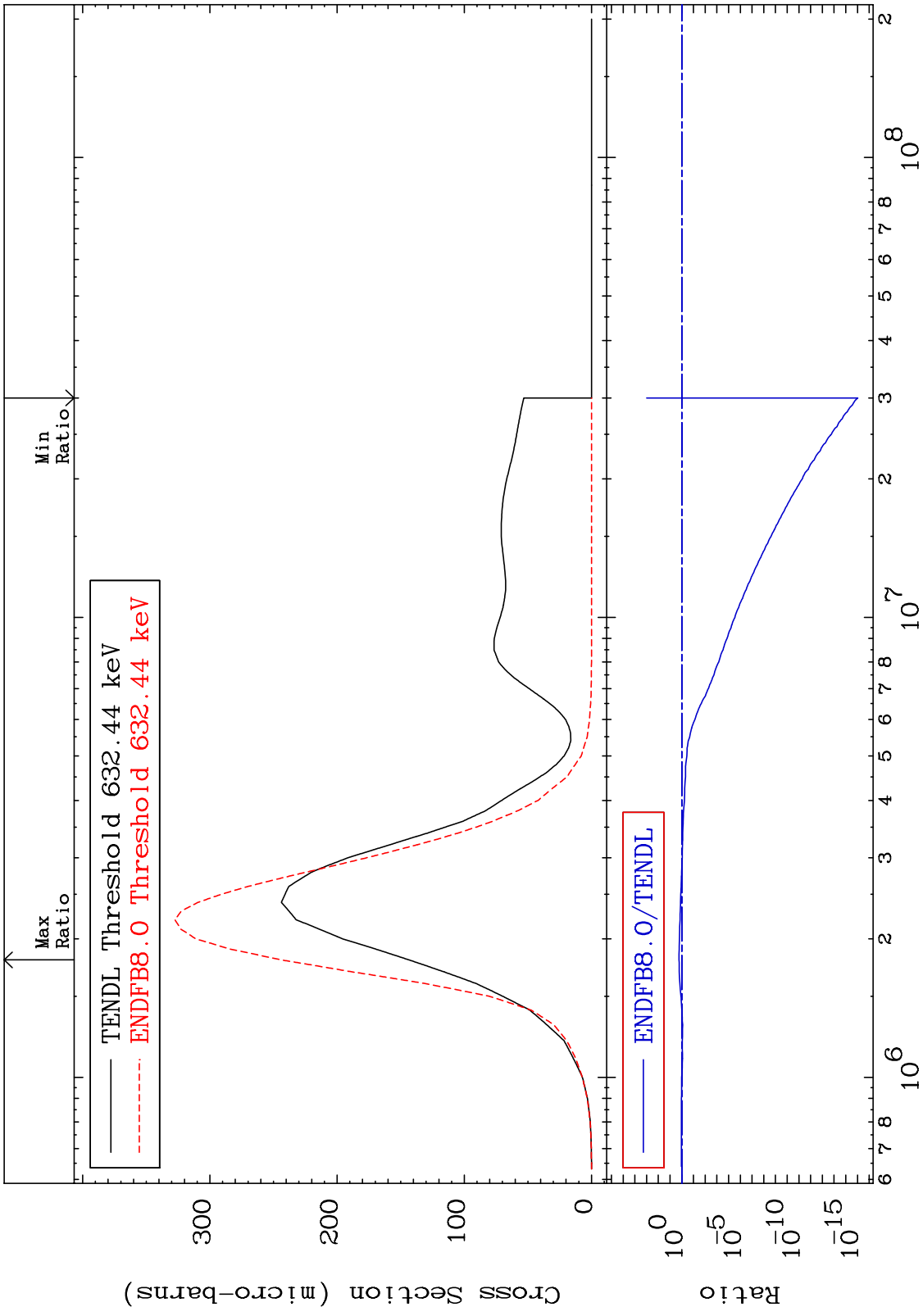
MAT 9543 MT= 73 (n,n') Level Cross Section 95-Am-241 -100.0 To -21.84%



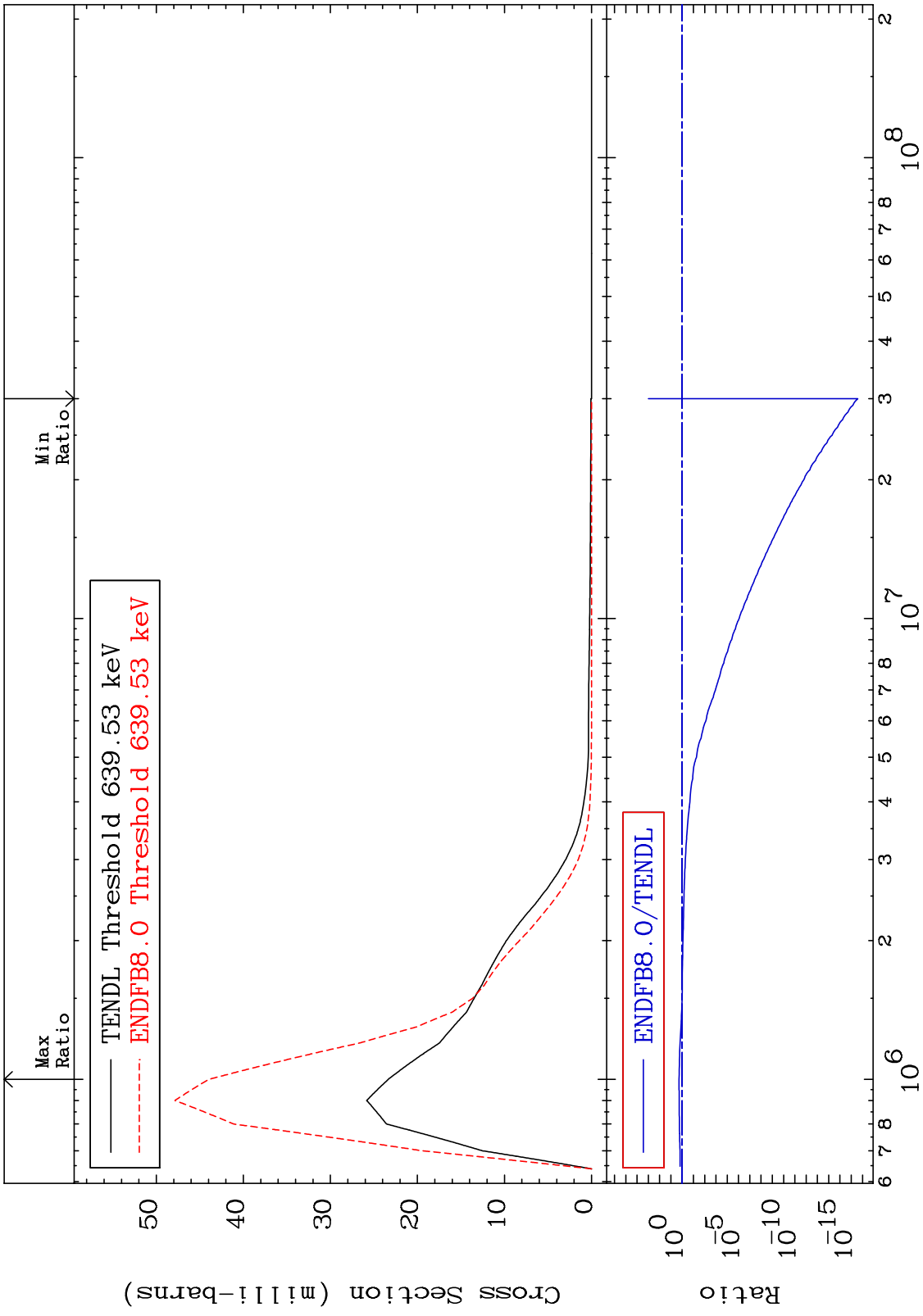
MAT 9543 MT= 74 (n,n') Level 95-Am-241
 Cross Section -100.0 To 76.96 %



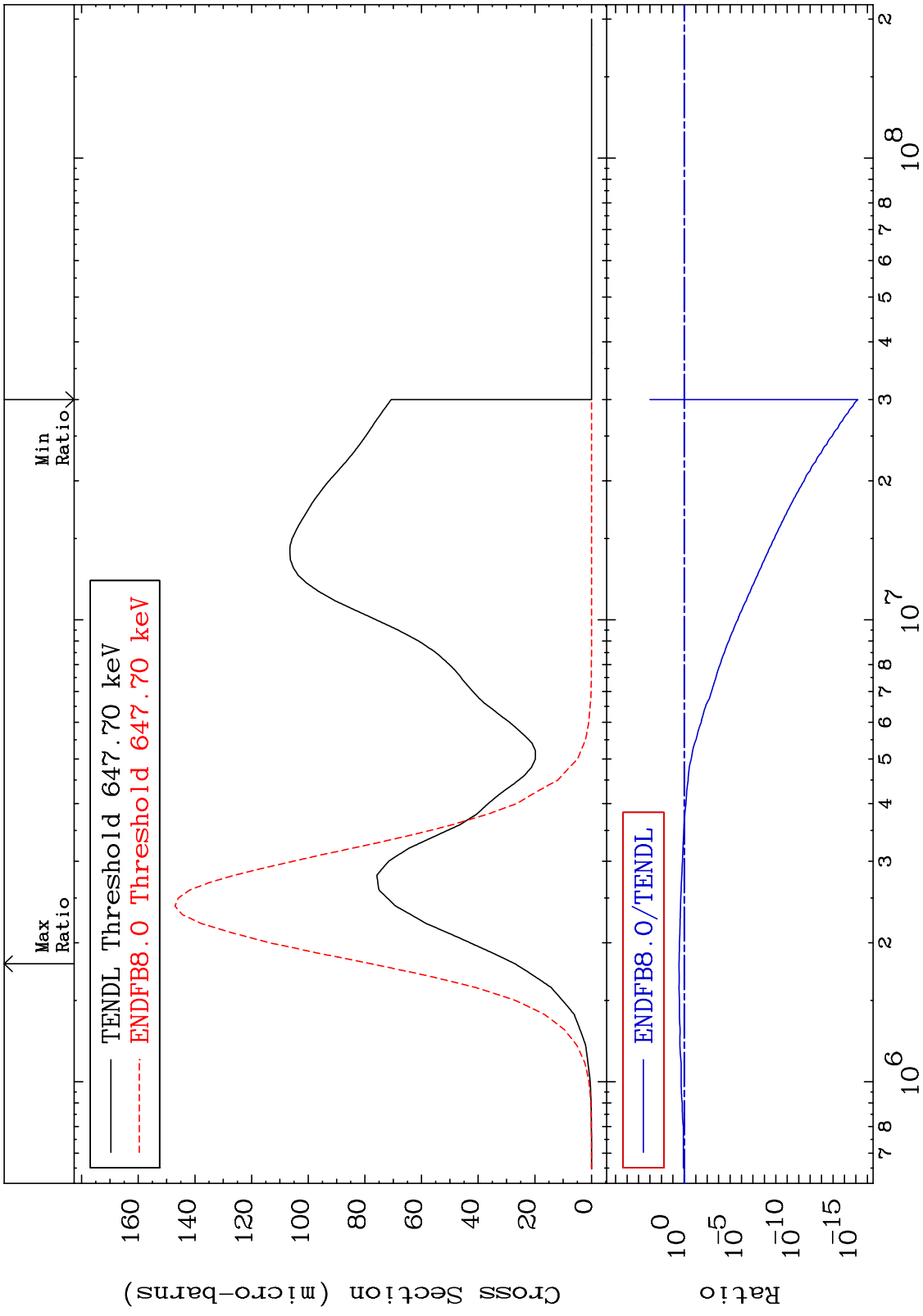
MAT 9543 MT= 75 (n,n') Level 95-Am-241
 Cross Section -100.0 To 69.97 %



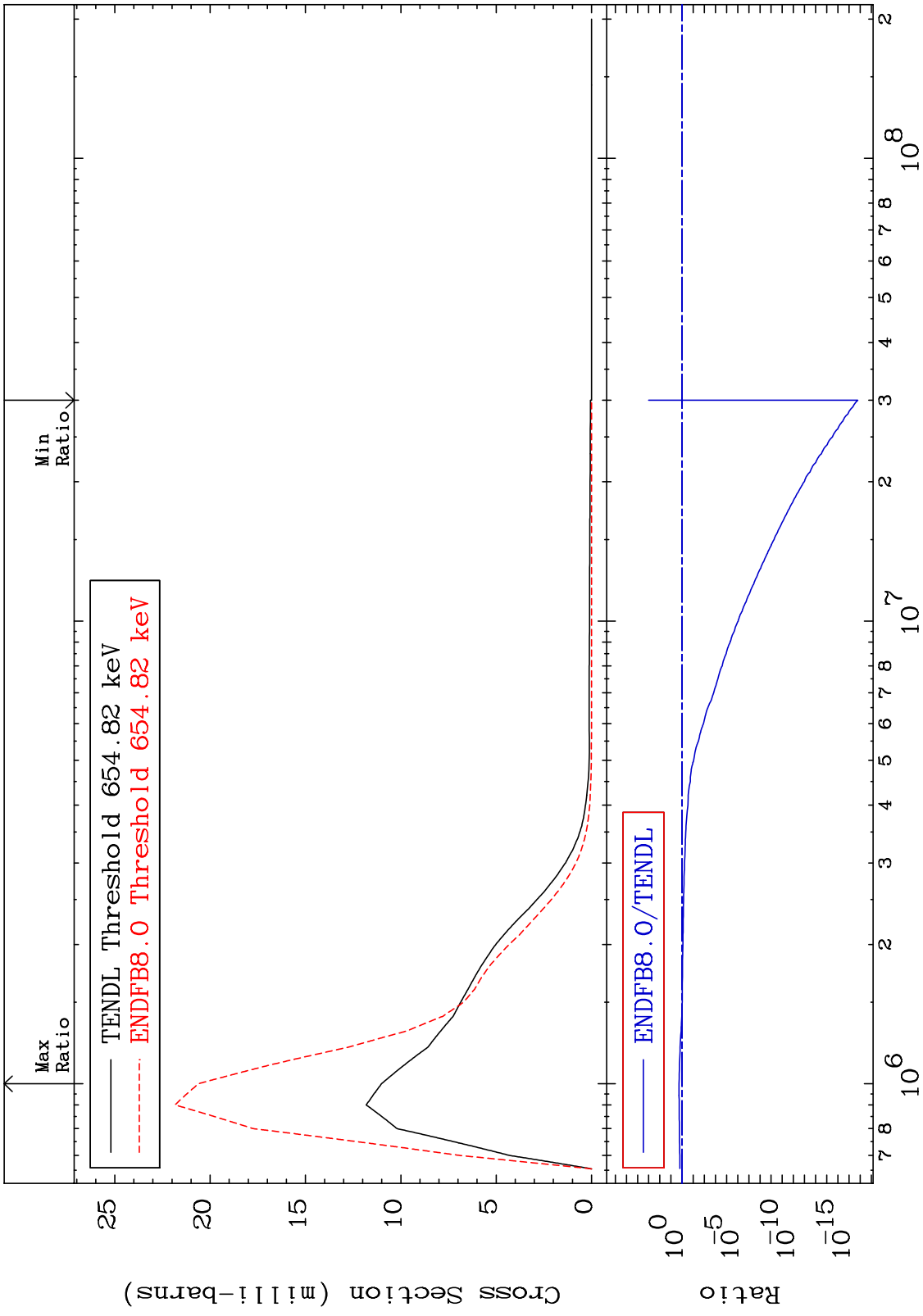
MAT 9543 MT= 76 (n,n') Level Cross Section 95-Am-241
 -100.0 To 88.28 %



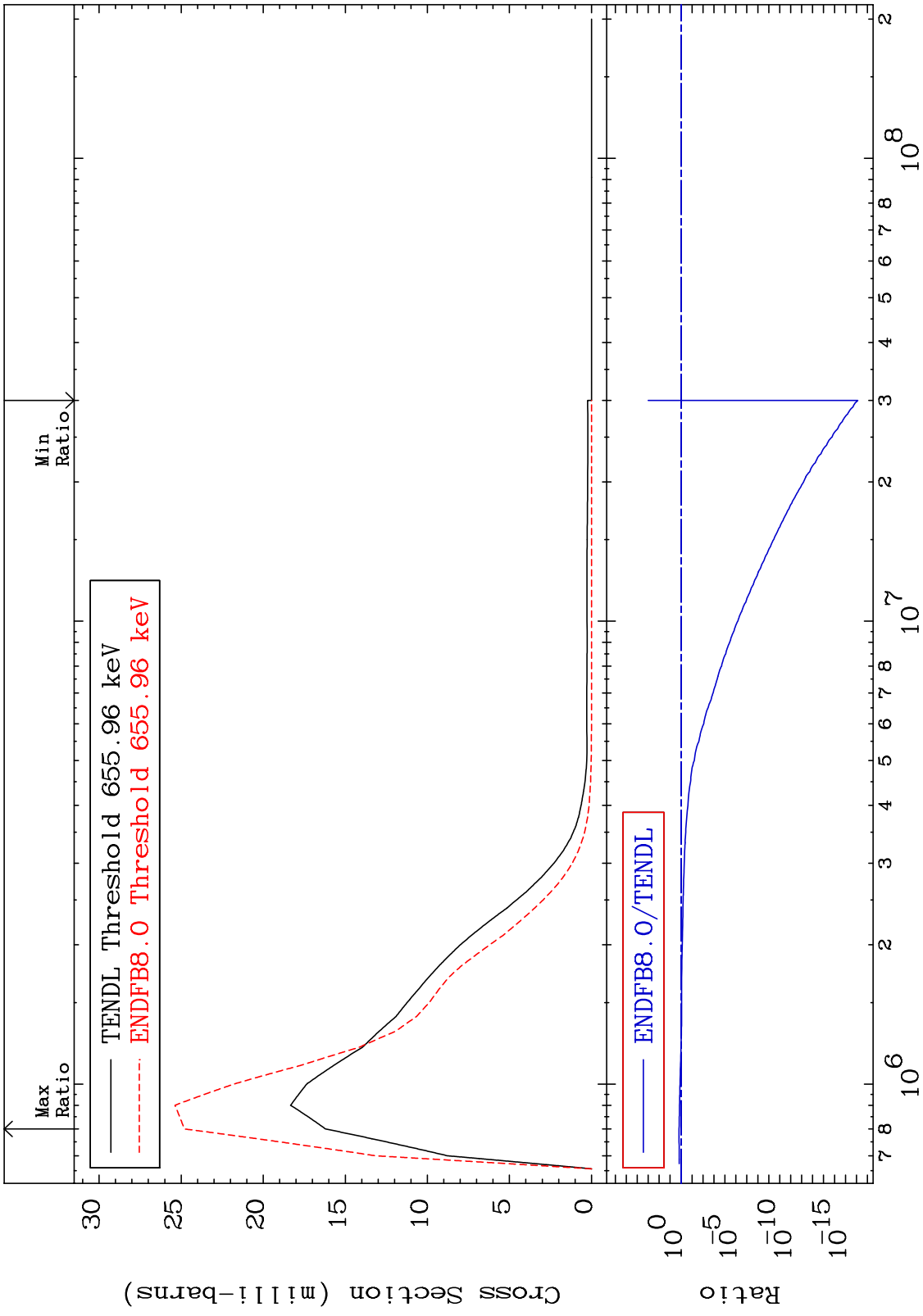
MAT 9543 MT= 77 (n,n') Level Cross Section 95-Am-241
 -100.0 To 188.7 %



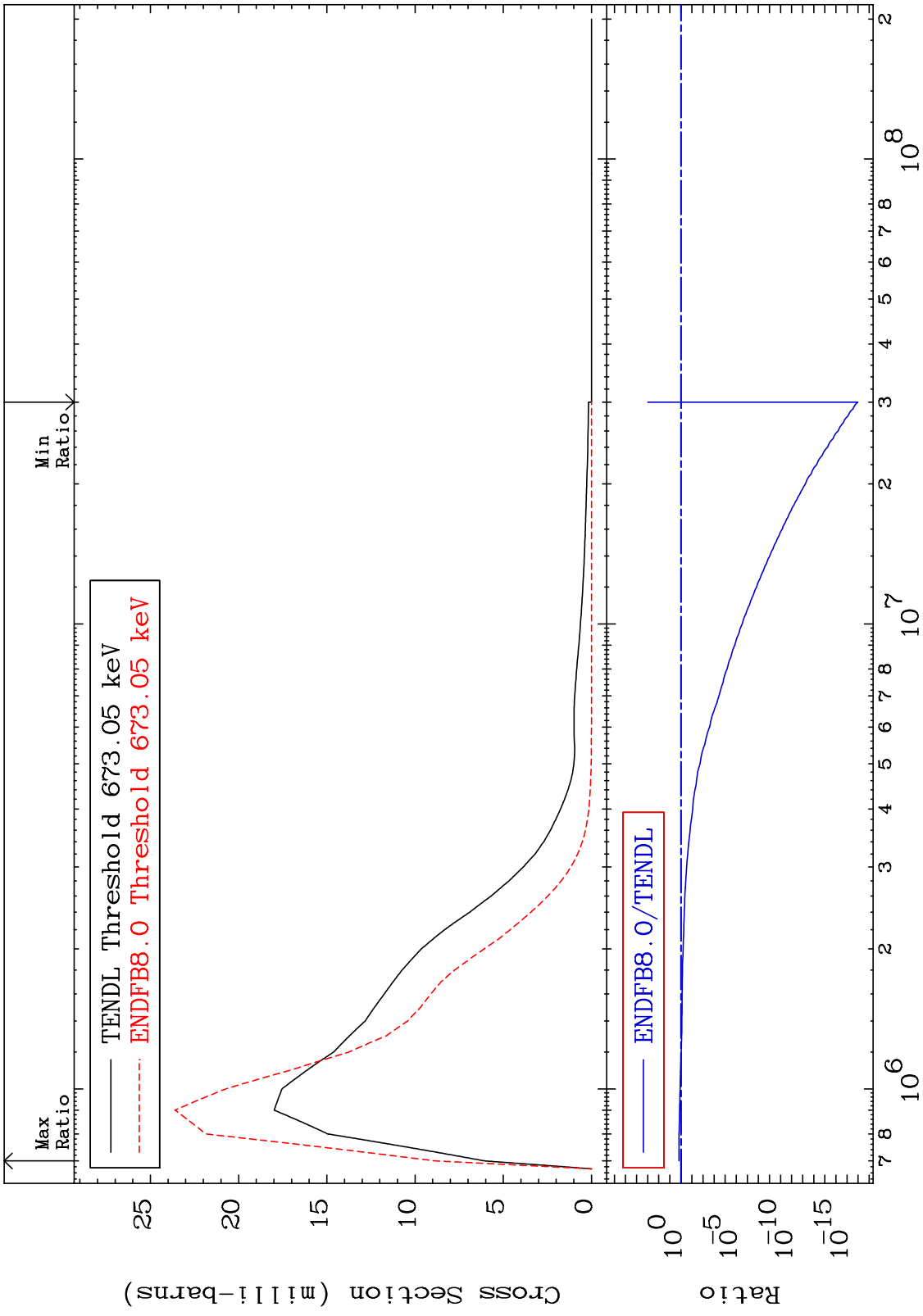
MAT 9543 MT= 78 (n,n') Level Cross Section 95-Am-241
 -100.0 To 87.24 %



MAT 9543 MT= 79 (n,n') Level 95-Am-241
 Cross Section -100.0 To 53.07 %



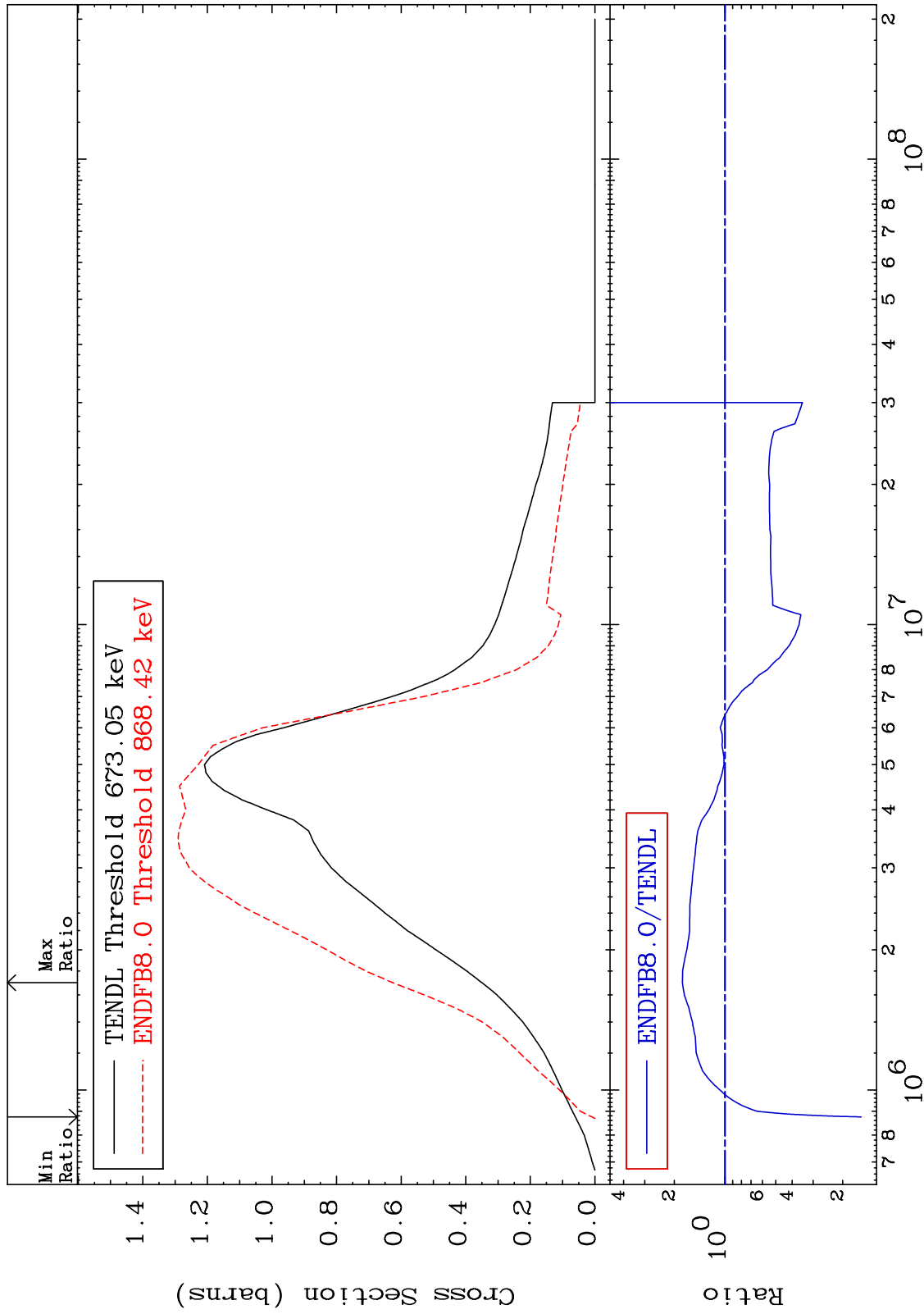
MAT 9543 MT= 80 (n,n') Level Cross Section 95-Am-241
 -100.0 To 46.35 %



MAT 9543

(n,n') Continuum
Cross Section

95-Am-241
-84.48 To 78.98 %



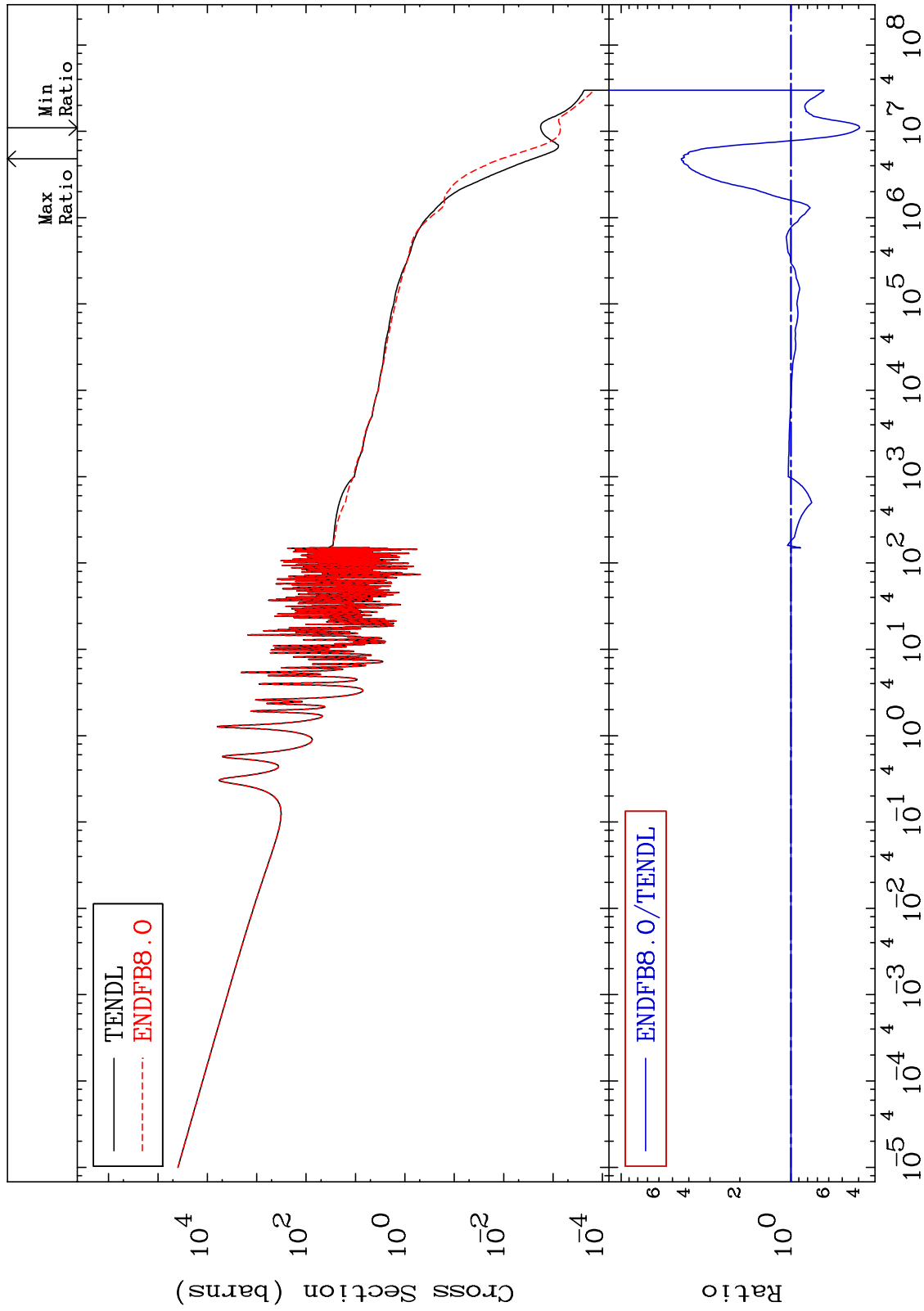
MAT 9543

(n, γ)

95-Am-241

Cross Section

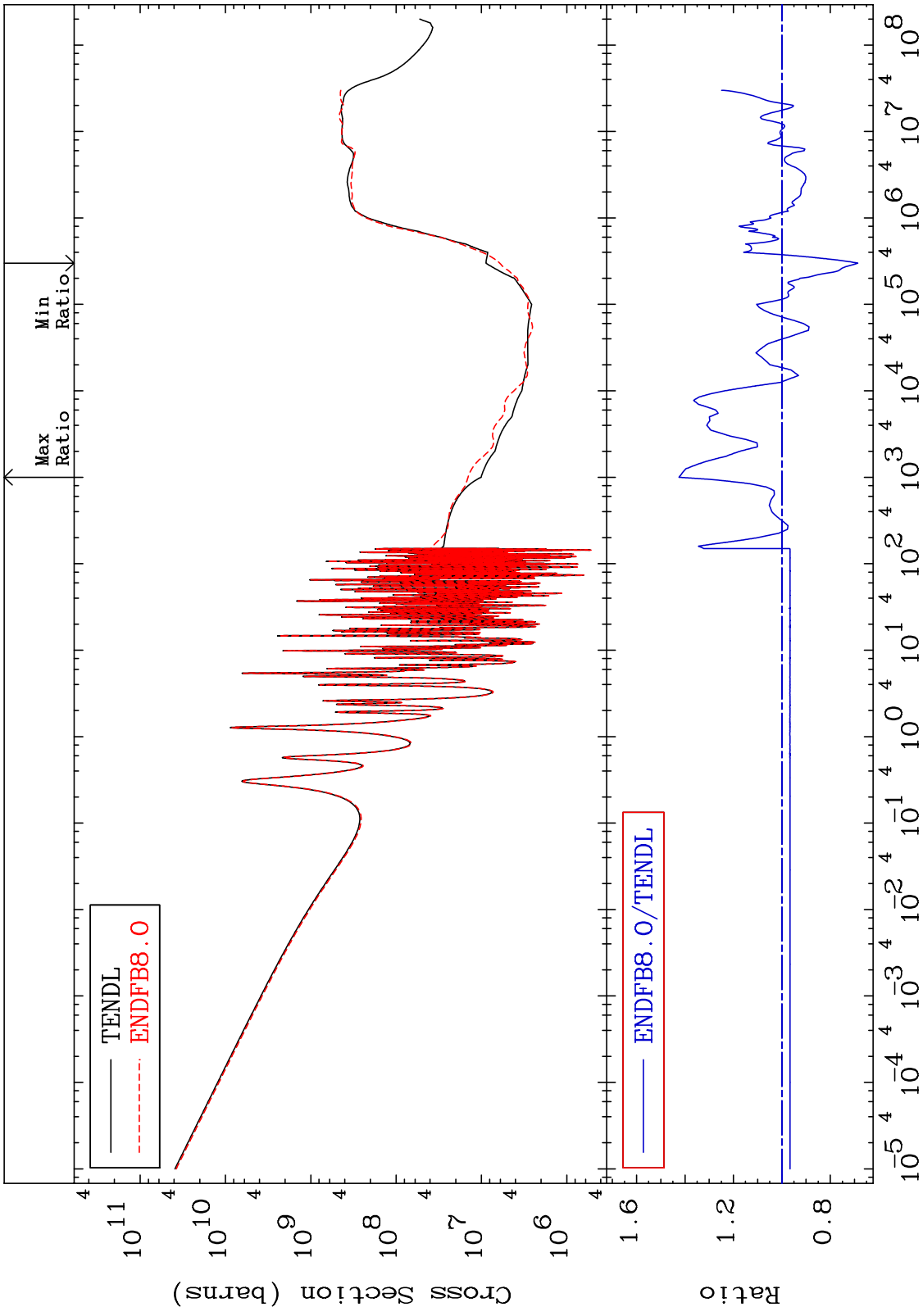
-60.61 To 343.2 %



Incident Energy (eV)

95-Am-241

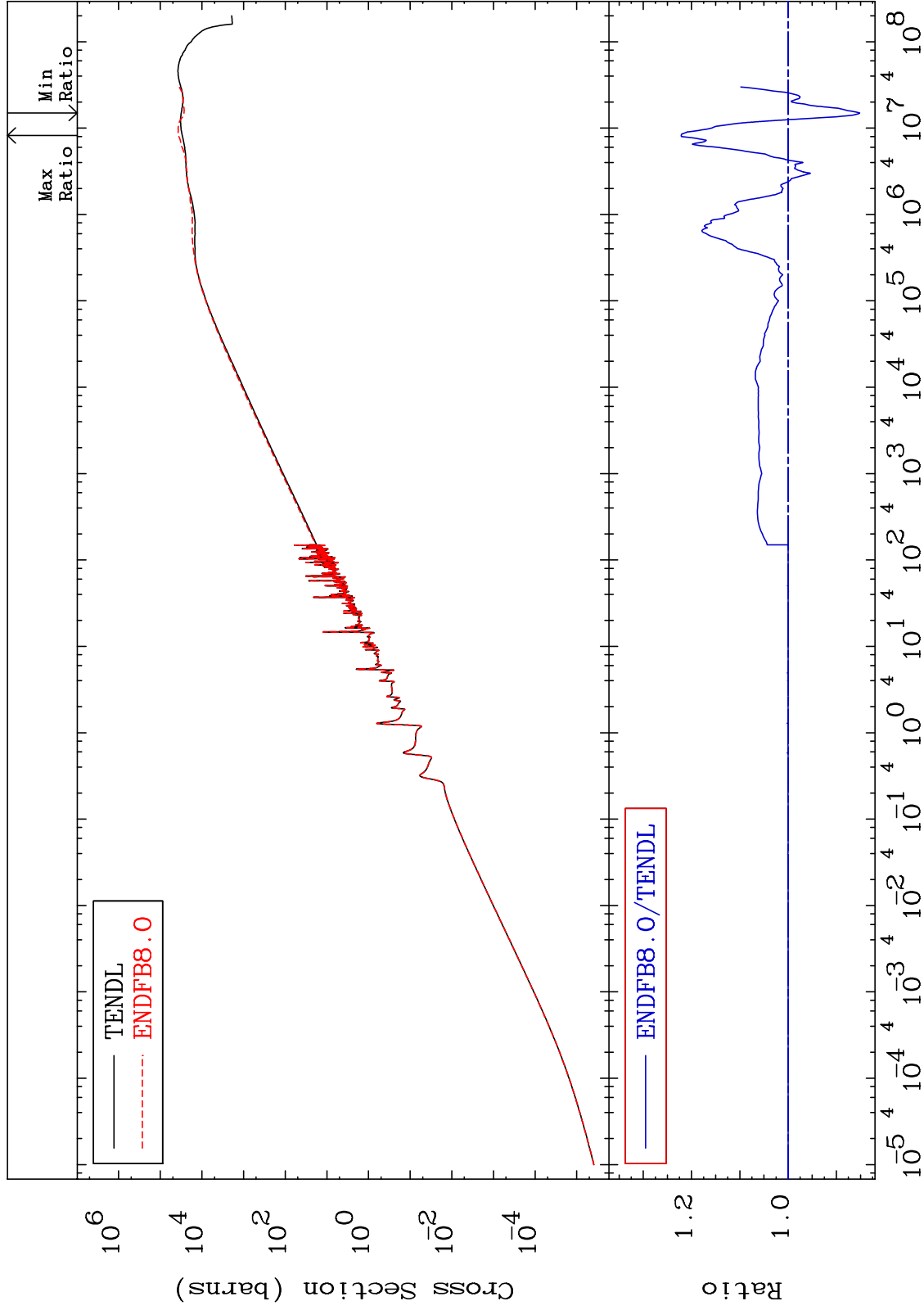
MAT 9543 Kerma total (eV-barns) Cross Section 95-Am-241 -31.38 To 42.46 %



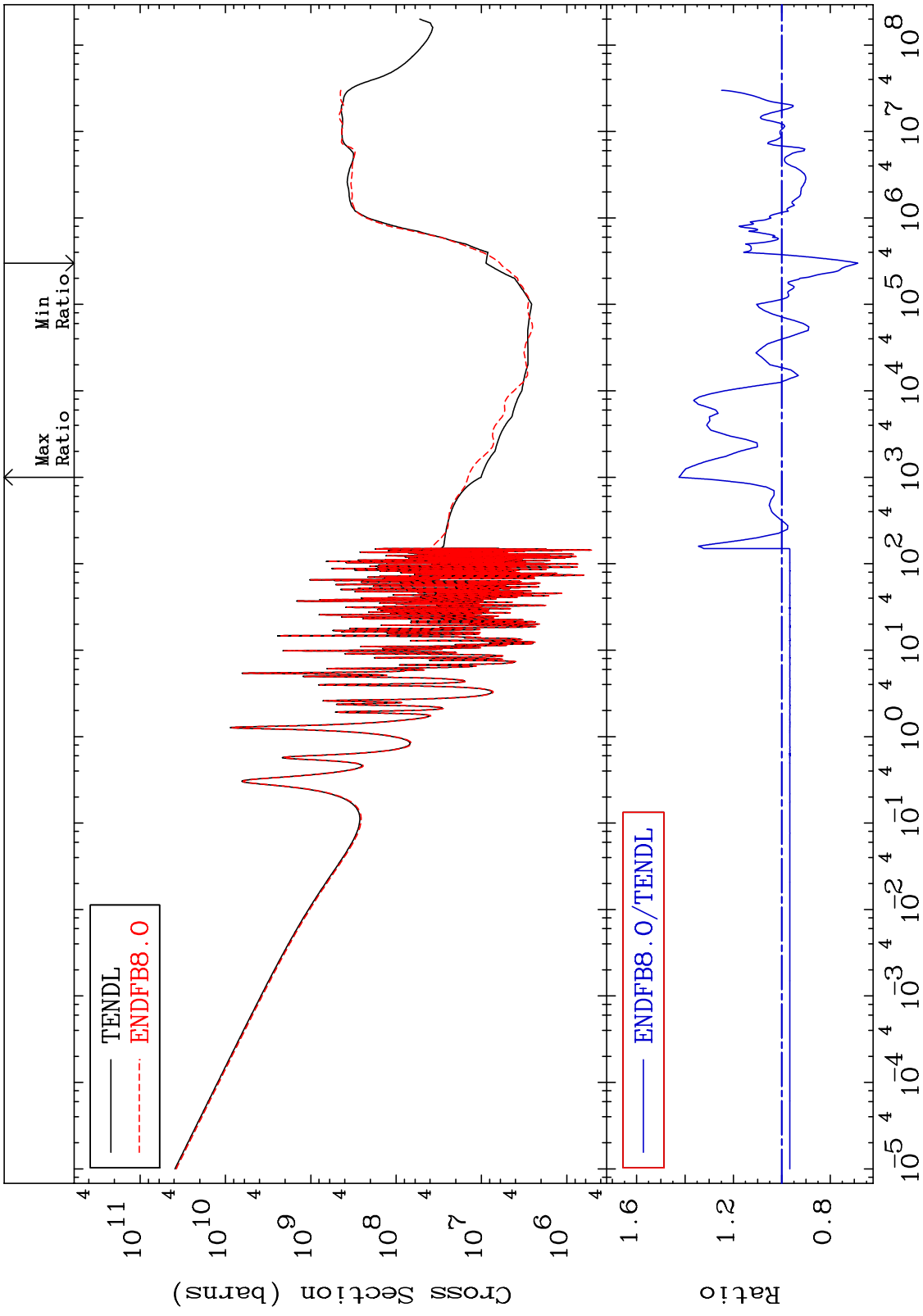
MAT 9543

Kerma elastic
Cross Section

95-Am-241
-14.85 To 22.13 %



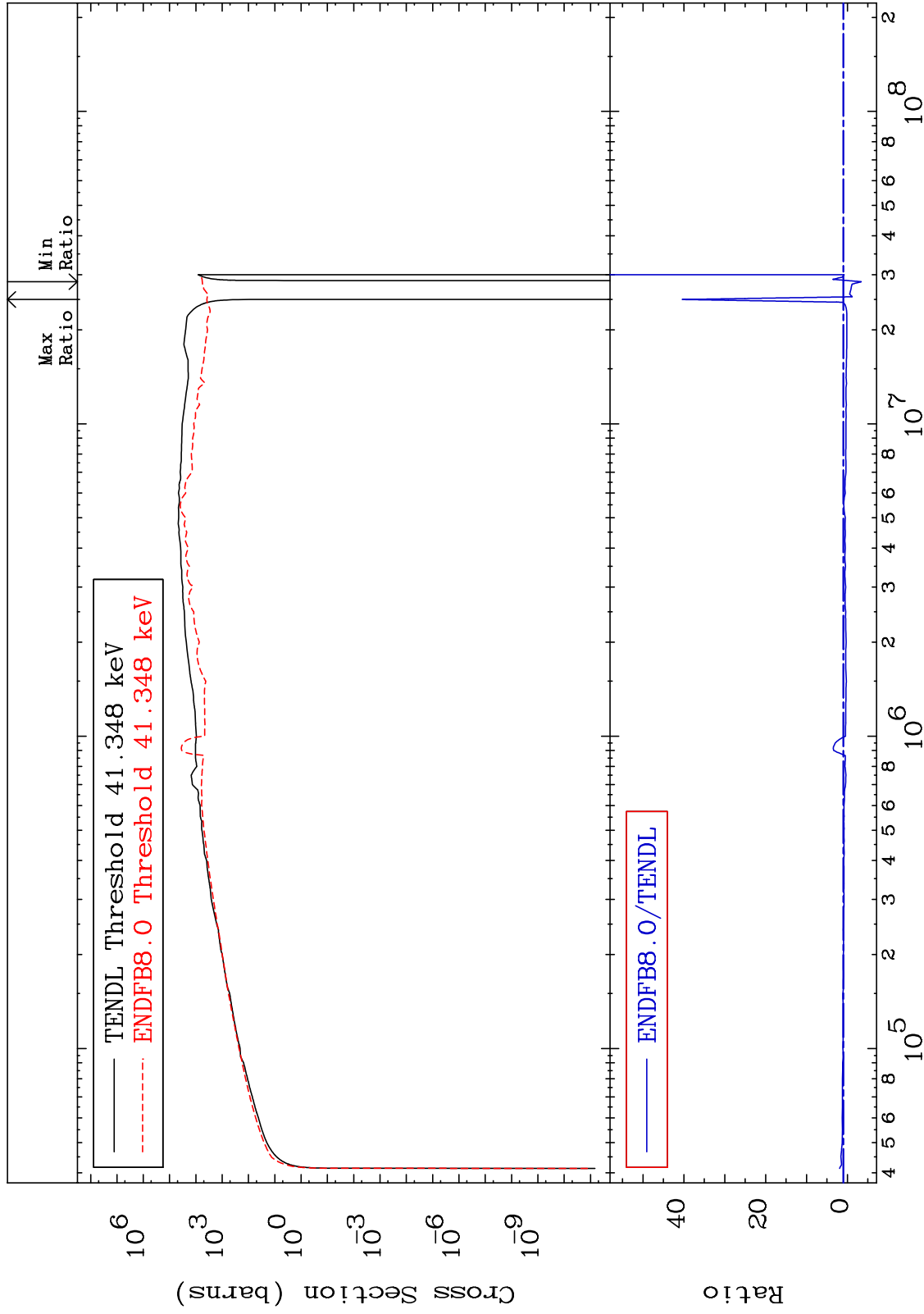
MAT 9543 Kerma non-elastic (all but mt2) Cross Section 95-Am-241
 -31.43 To 42.46 %



MAT 9543

Kerma inelastic (mt51-91)
Cross Section

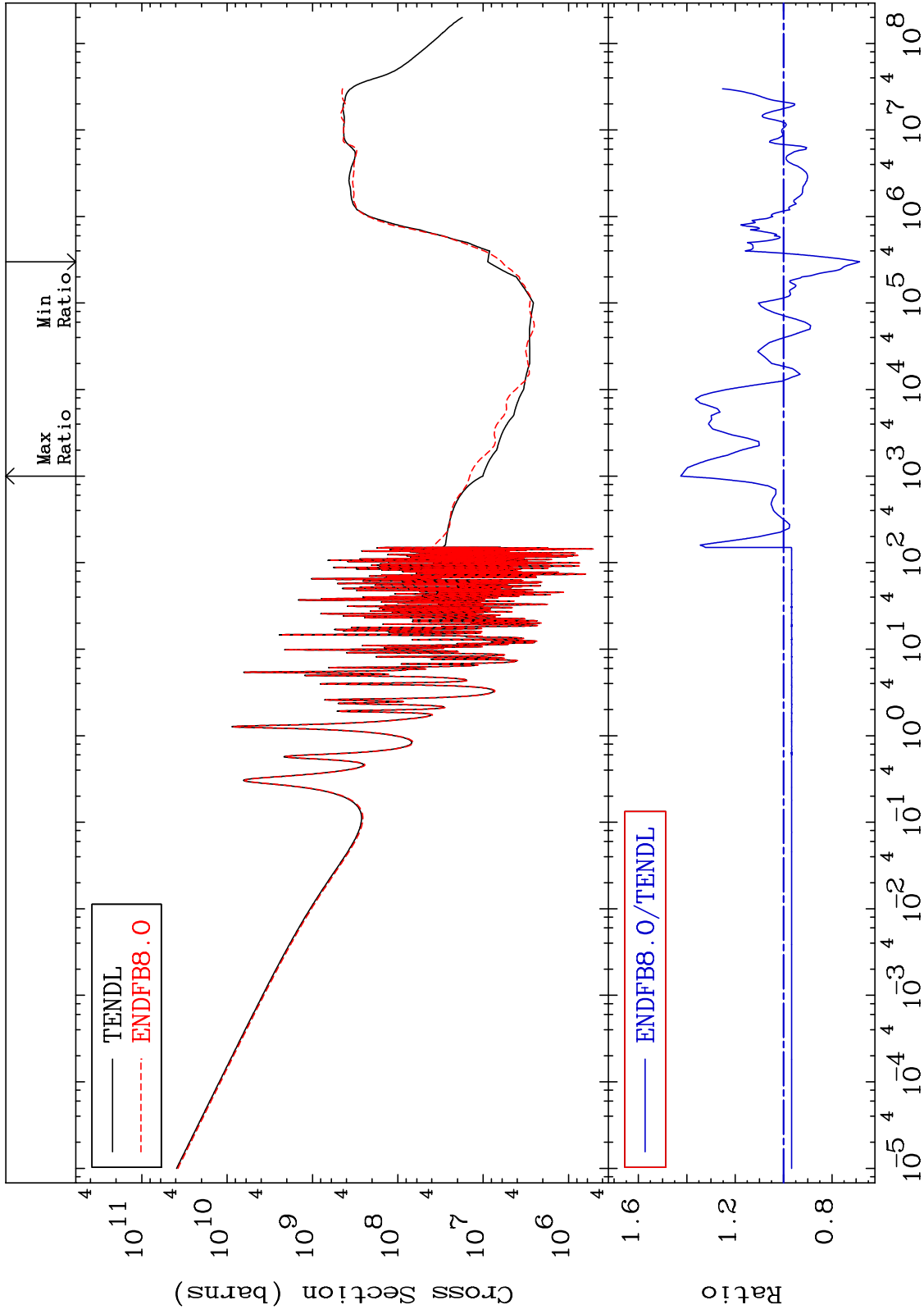
95-Am-241
-438.8 To 3935. %



MAT 9543

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

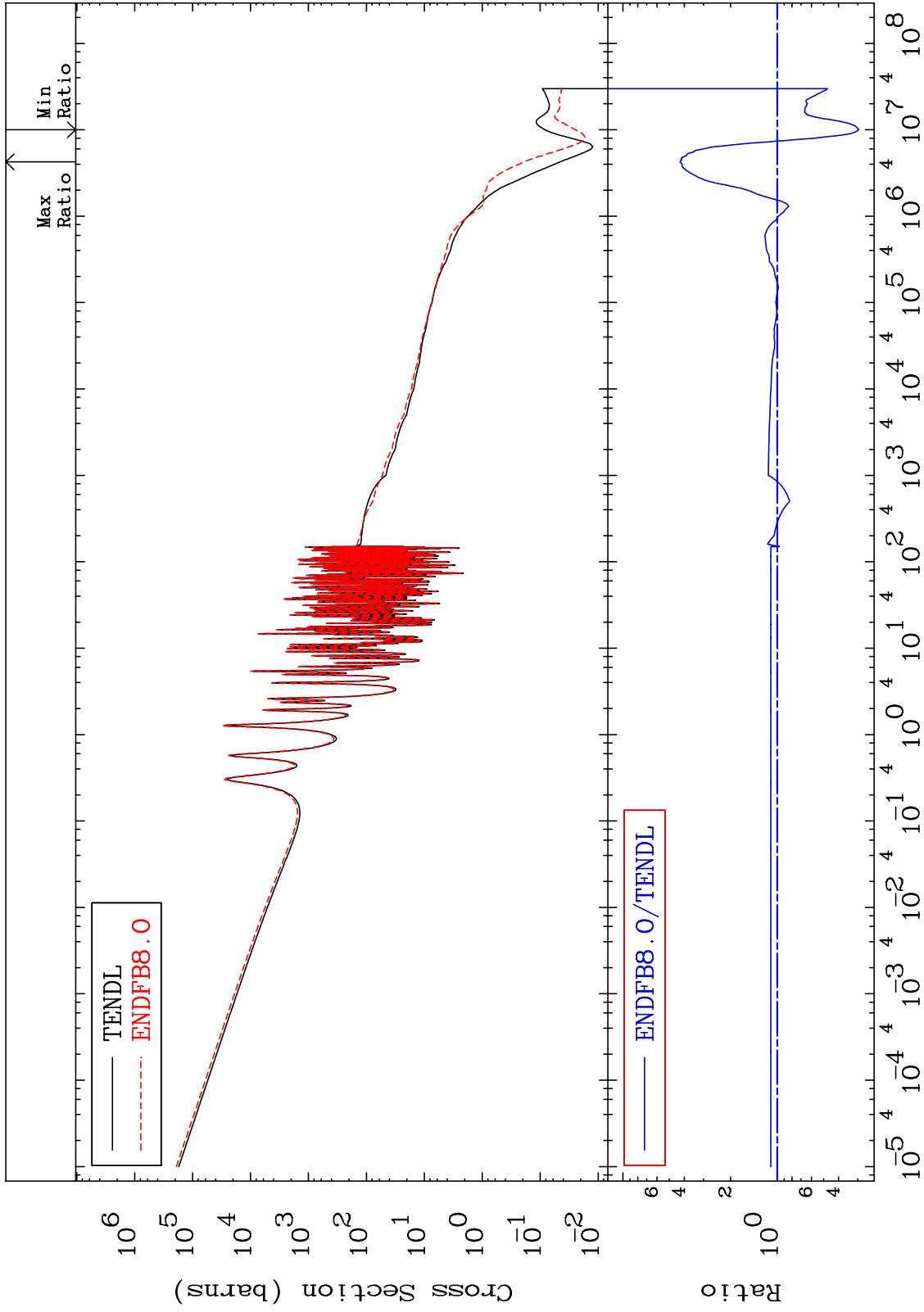
95-Am-241
-31.44 To 42.46 %



MAT 9543

Kerma capture (mt102)
Cross Section

95-Am-241
-70.48 To 324.6 %

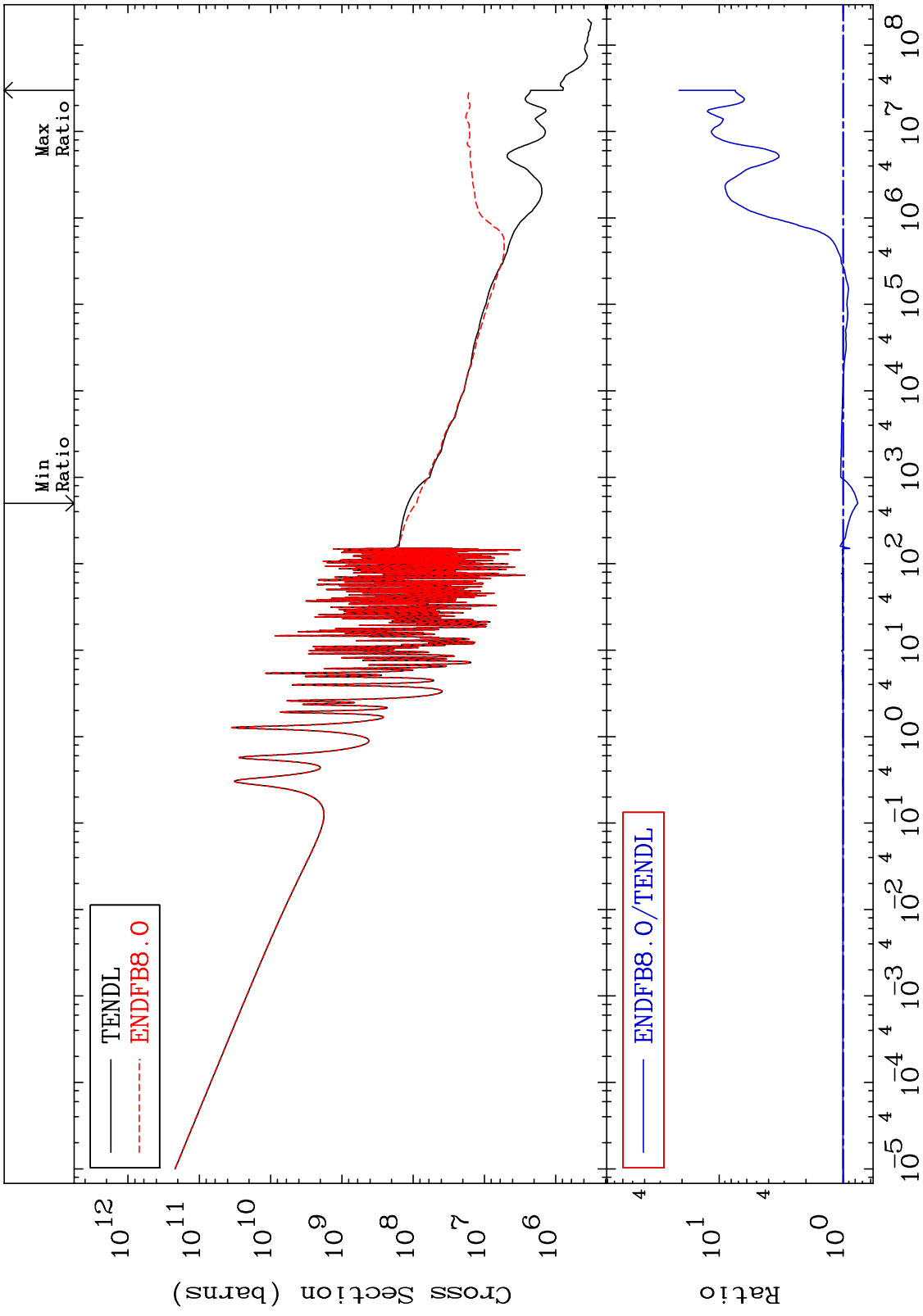


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Incident Energy (eV)

95-Am-241

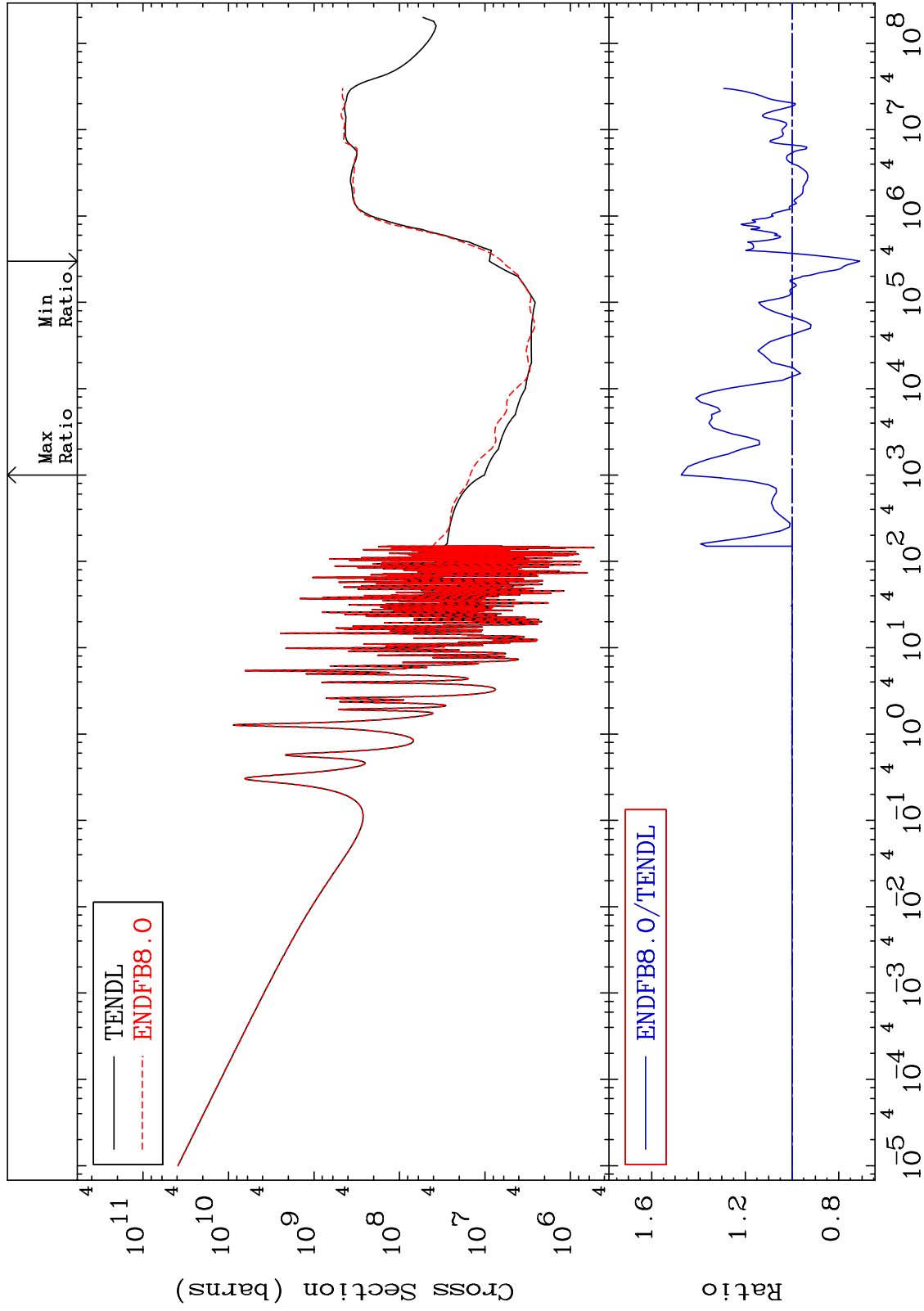
MAT 9543 Total photon (eV-barns) Cross Section 95-Am-241 -23.85 To 2013. %



MAT 9543

Total kinematic kerma (high limit)
Cross Section

95-Am-241
-29.01 To 47.39 %

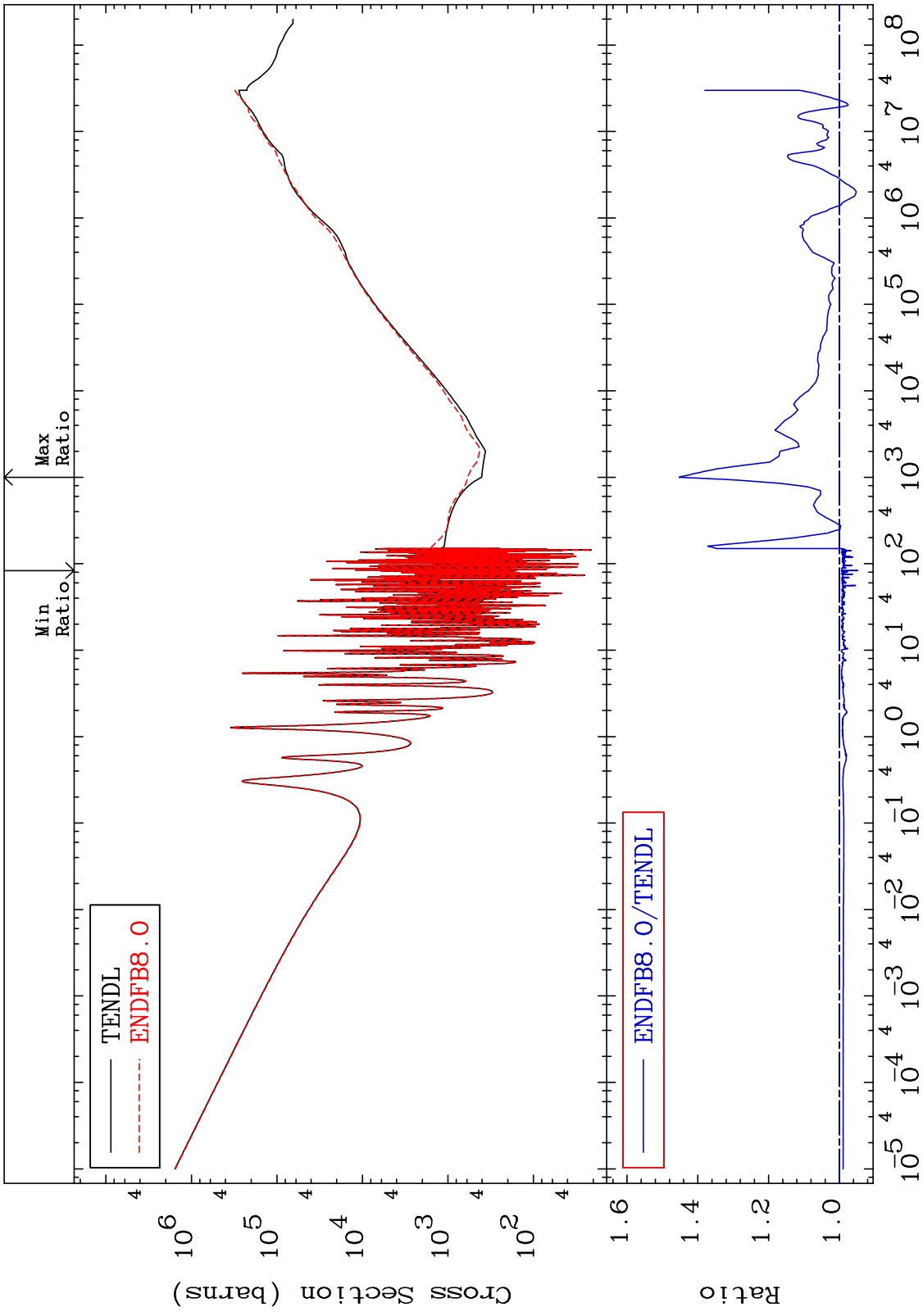


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Incident Energy (eV)

95-Am-241

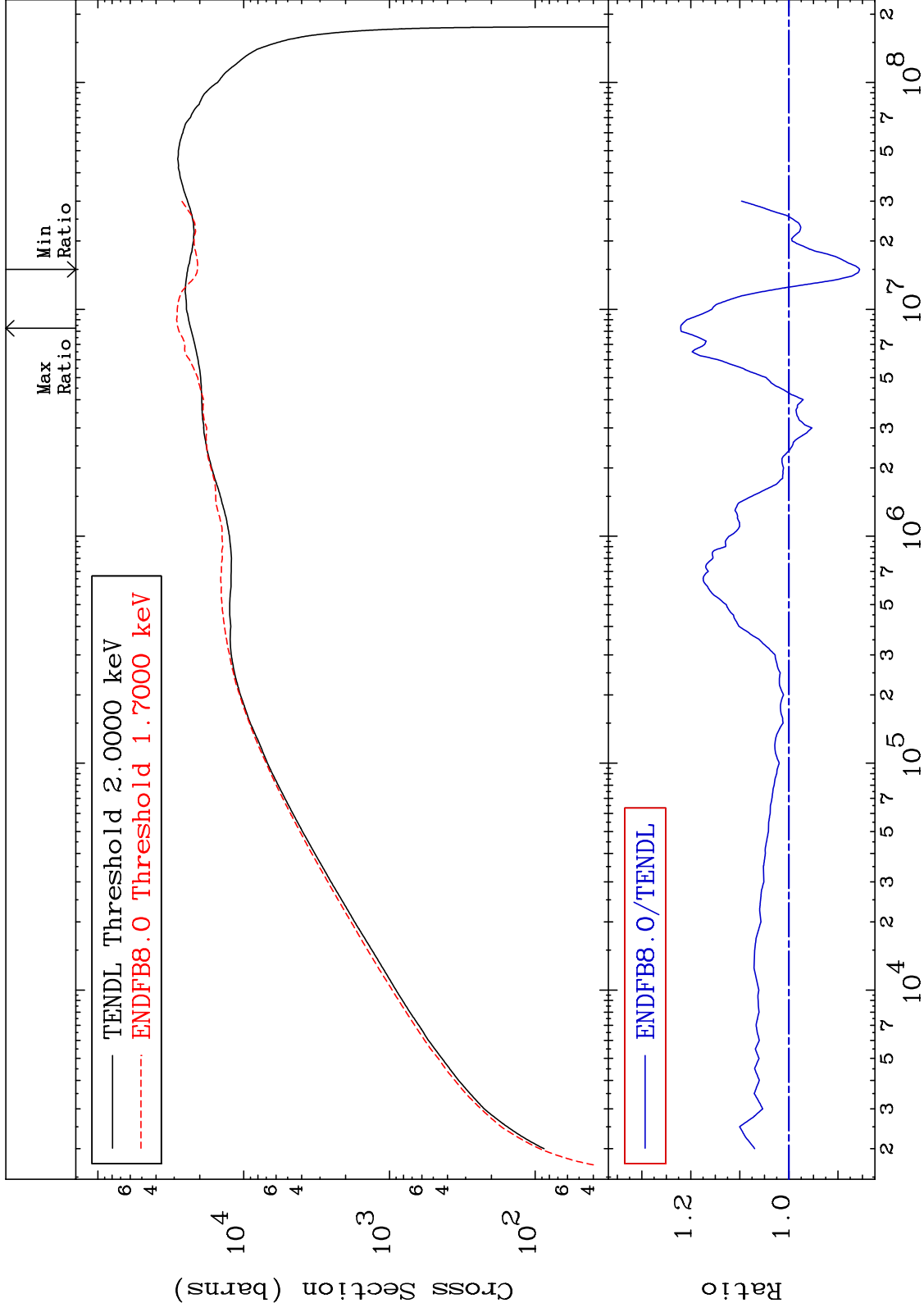
MAT 9543 Dpa total (eV-barns) 95-Am-241
 Cross Section -5.223 To 45.30 %



MAT 9543

Dpa elastic (mt2)
Cross Section

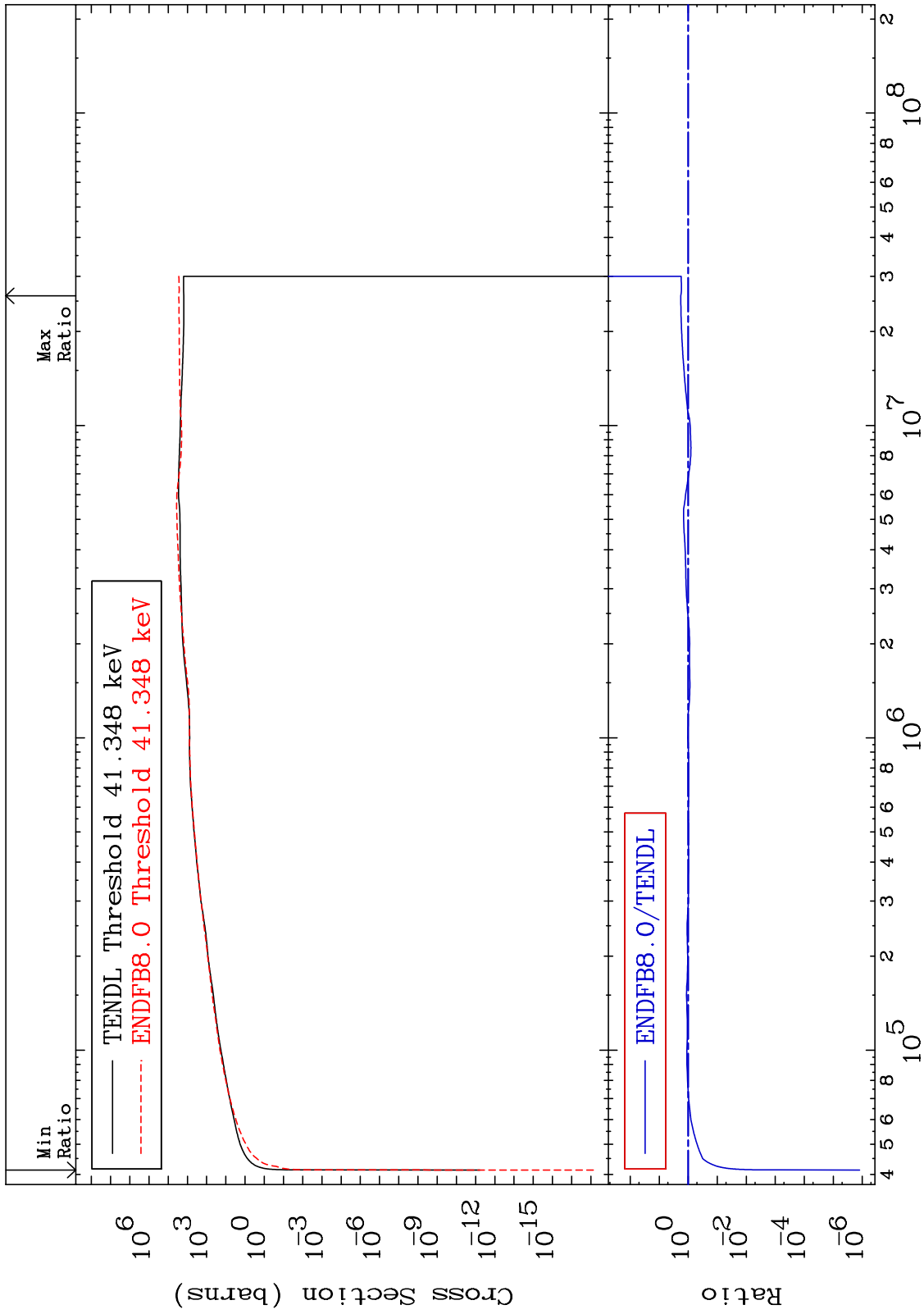
95-Am-241
-14.43 To 22.05 %



MAT 9543

Dpa inelastic (mt51-91)
Cross Section

95-Am-241
-100.0 To 80.12 %



MAT 9543 Dpa disappearance (mt102 -120) 95-Am-241
 Cross Section -100.0 To 170.9 %

