

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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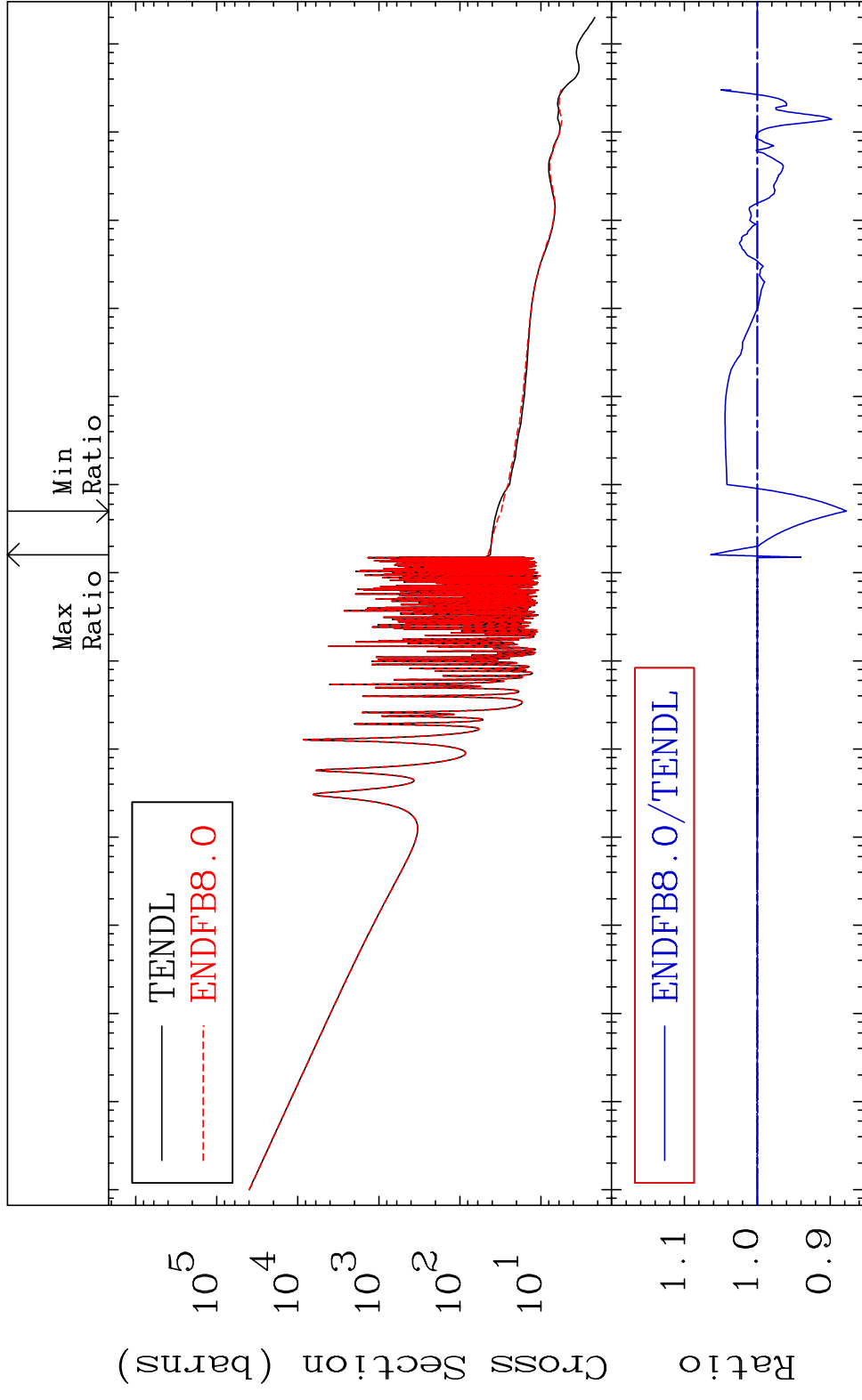
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 9543

Total Cross Section -12.22 To 6.388 %
95-Am-241



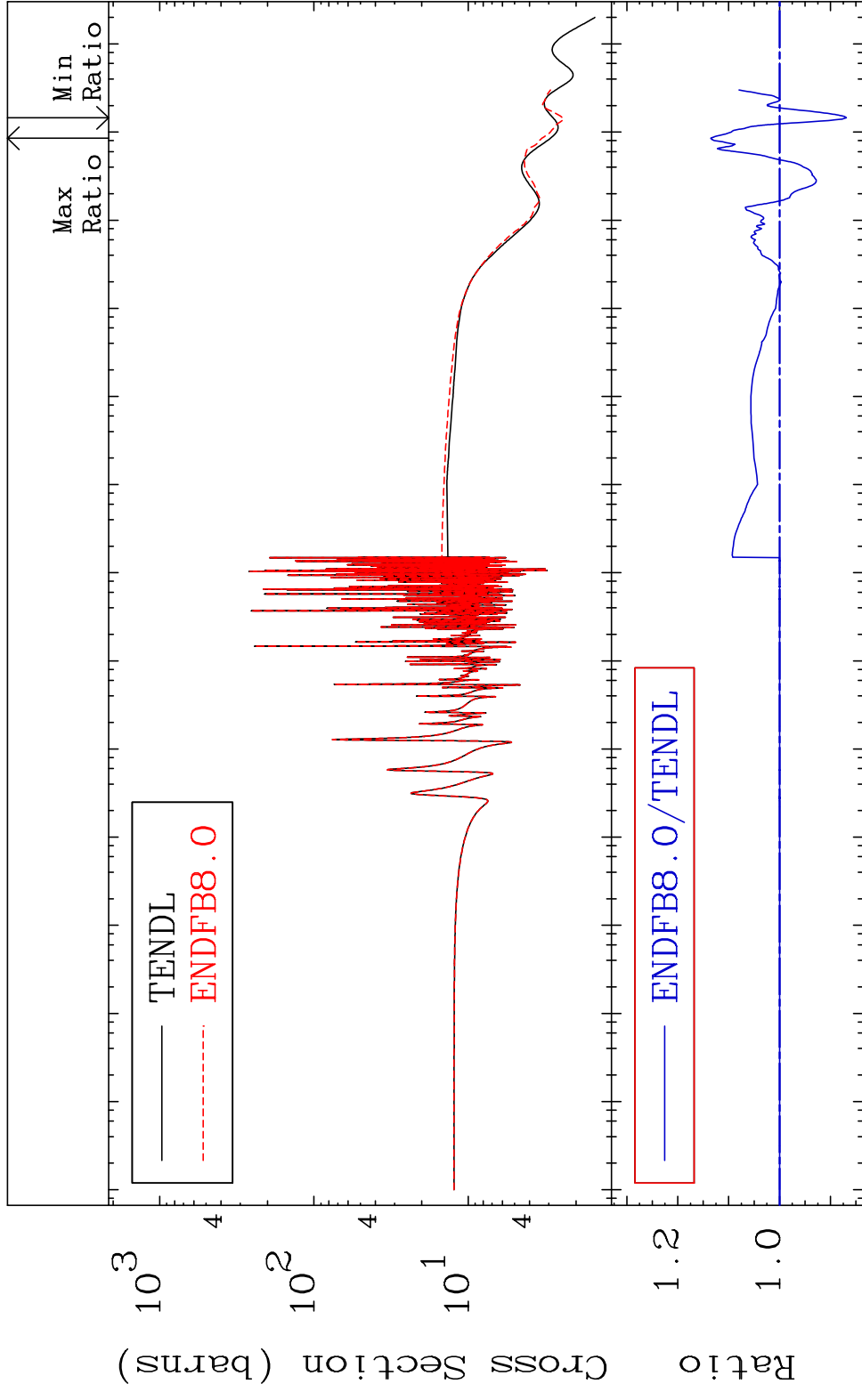
1 Incident Energy (eV) 95-Am-241

MAT 9543

Elastic

95-Am-241

Cross Section -13.11 To 13.52 %

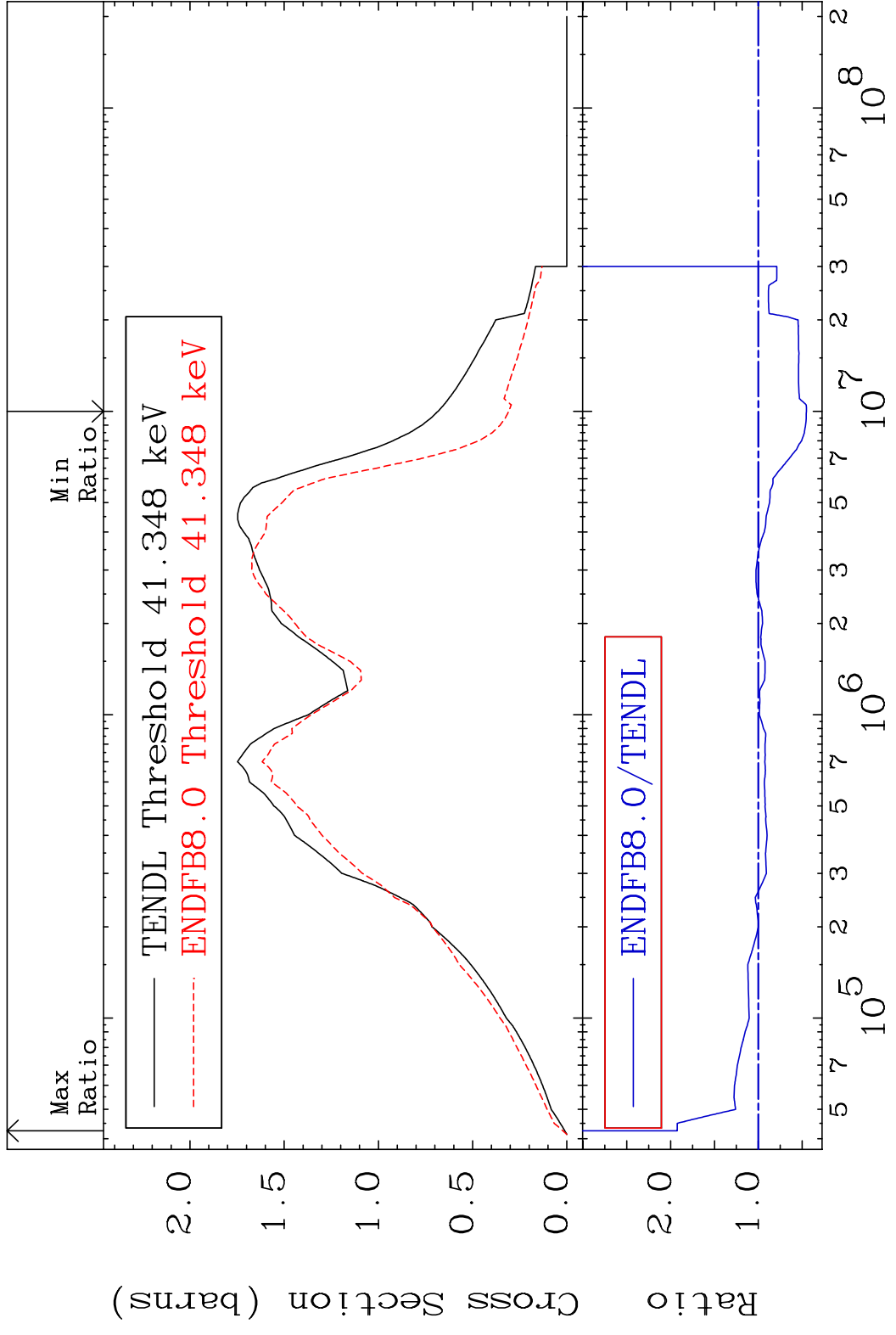


2

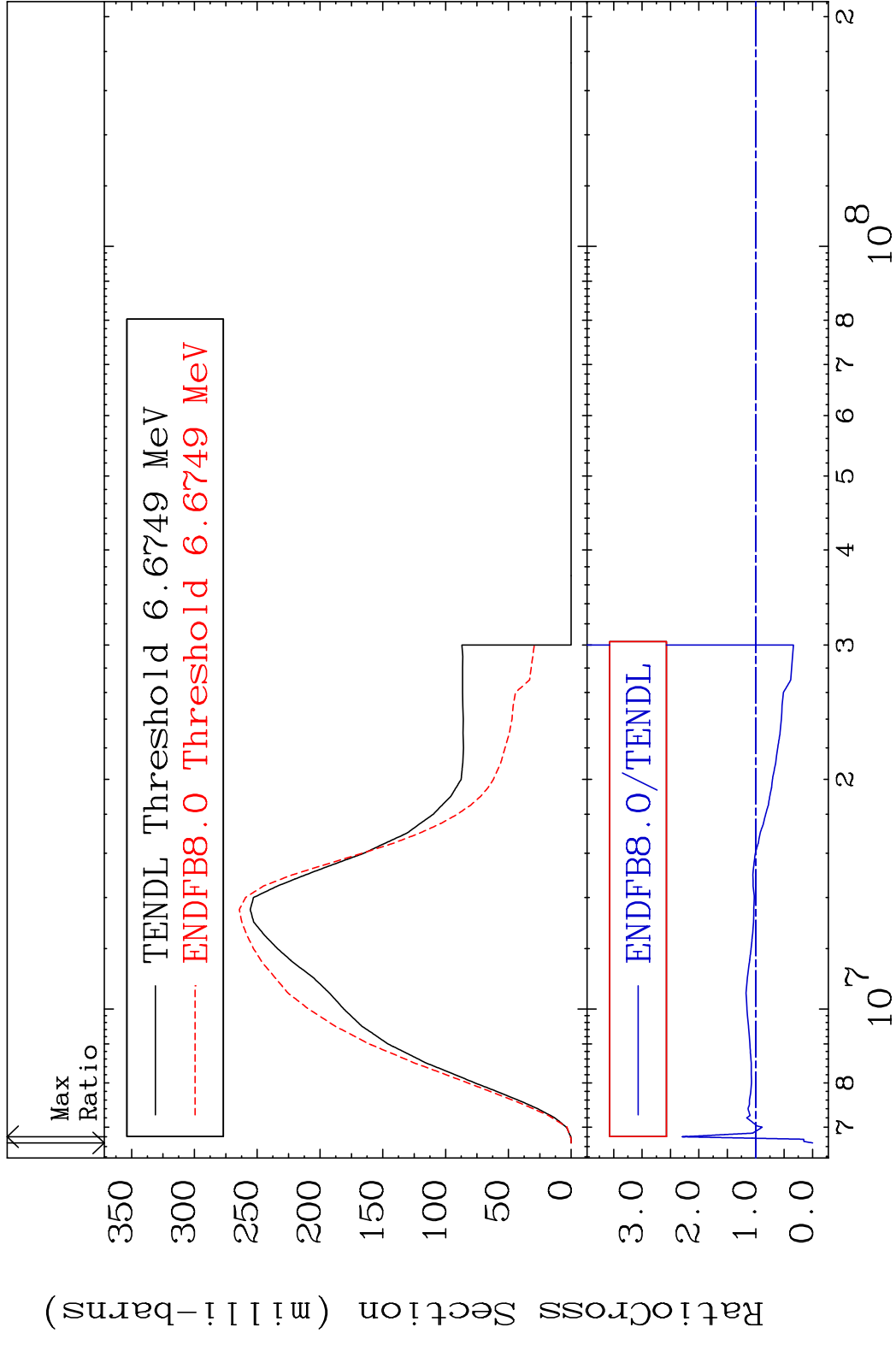
Incident Energy (eV)

95-Am-241

MAT 9543 Inelastic Cross Section 95-Am-241
 -54.88 To 92.54 %



MAT 9543 (n,2n) 95-Am-241
 Cross Section -100.0 To 129.1 %

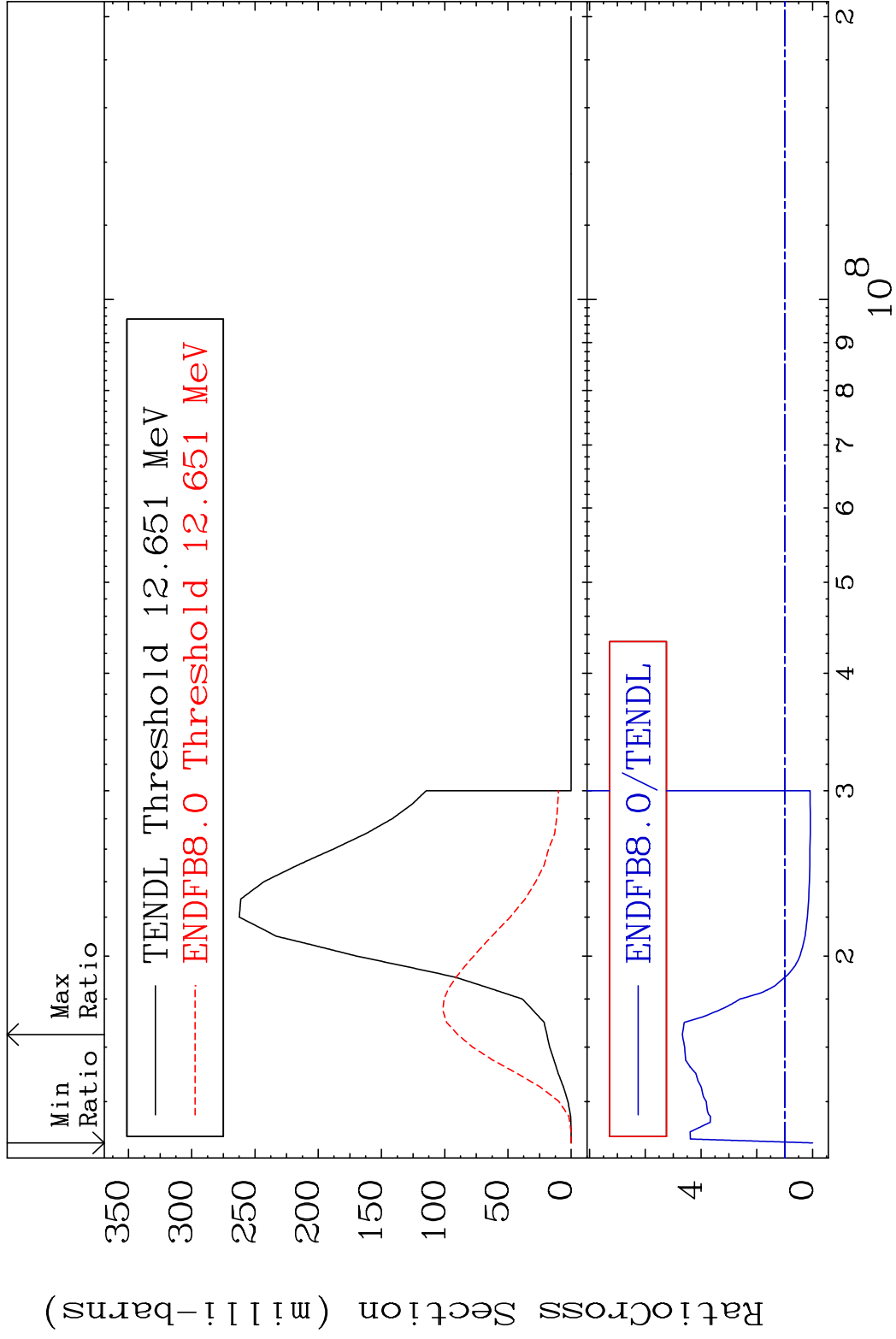


MAT 9543

(n,3n)

95-Am-241

Cross Section -100.0 To 367.0 %



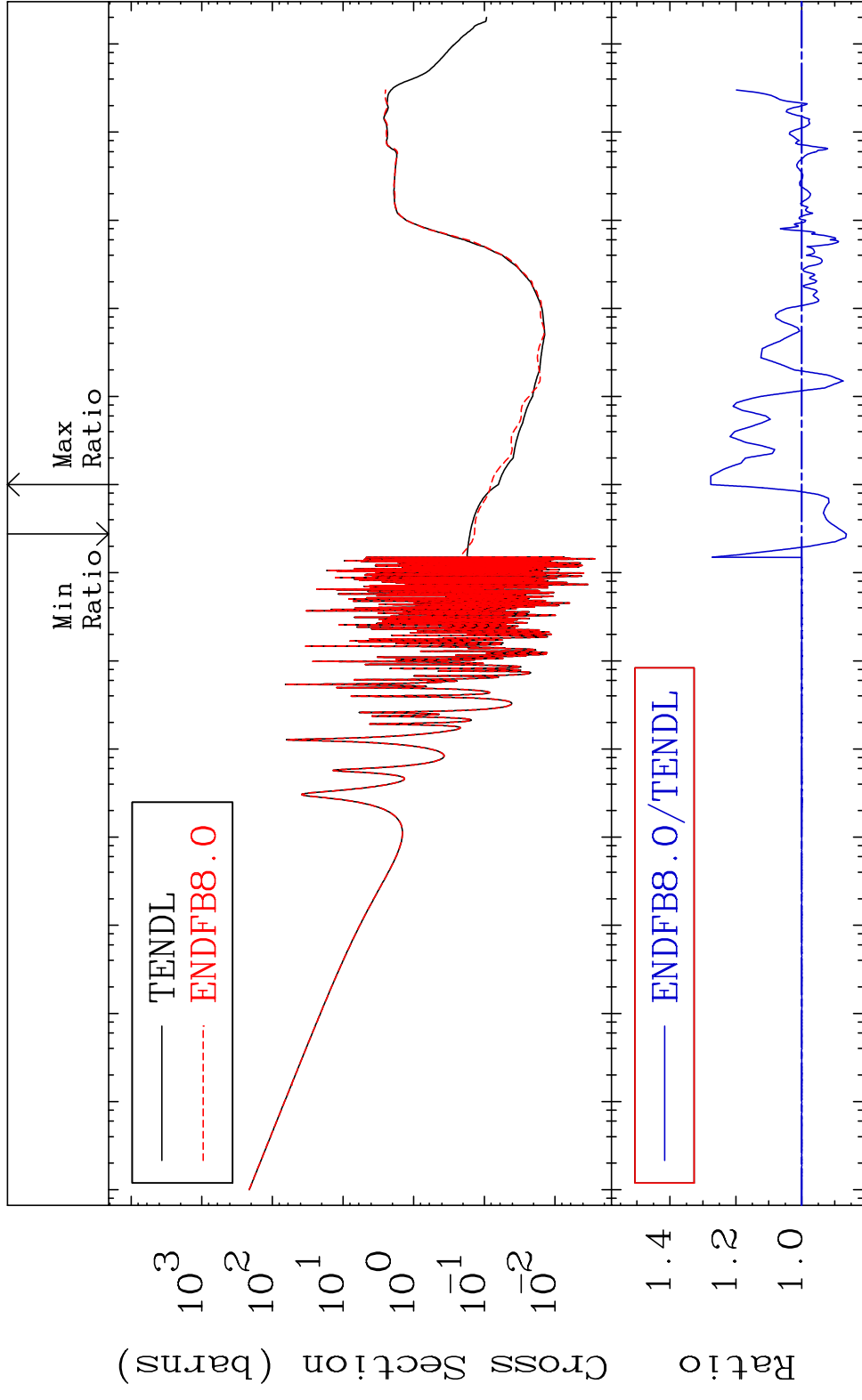
5

Incident Energy (eV)

95-Am-241

MAT 9543

Fission
Cross Section -13.52 To 27.63 %
95-Am-241

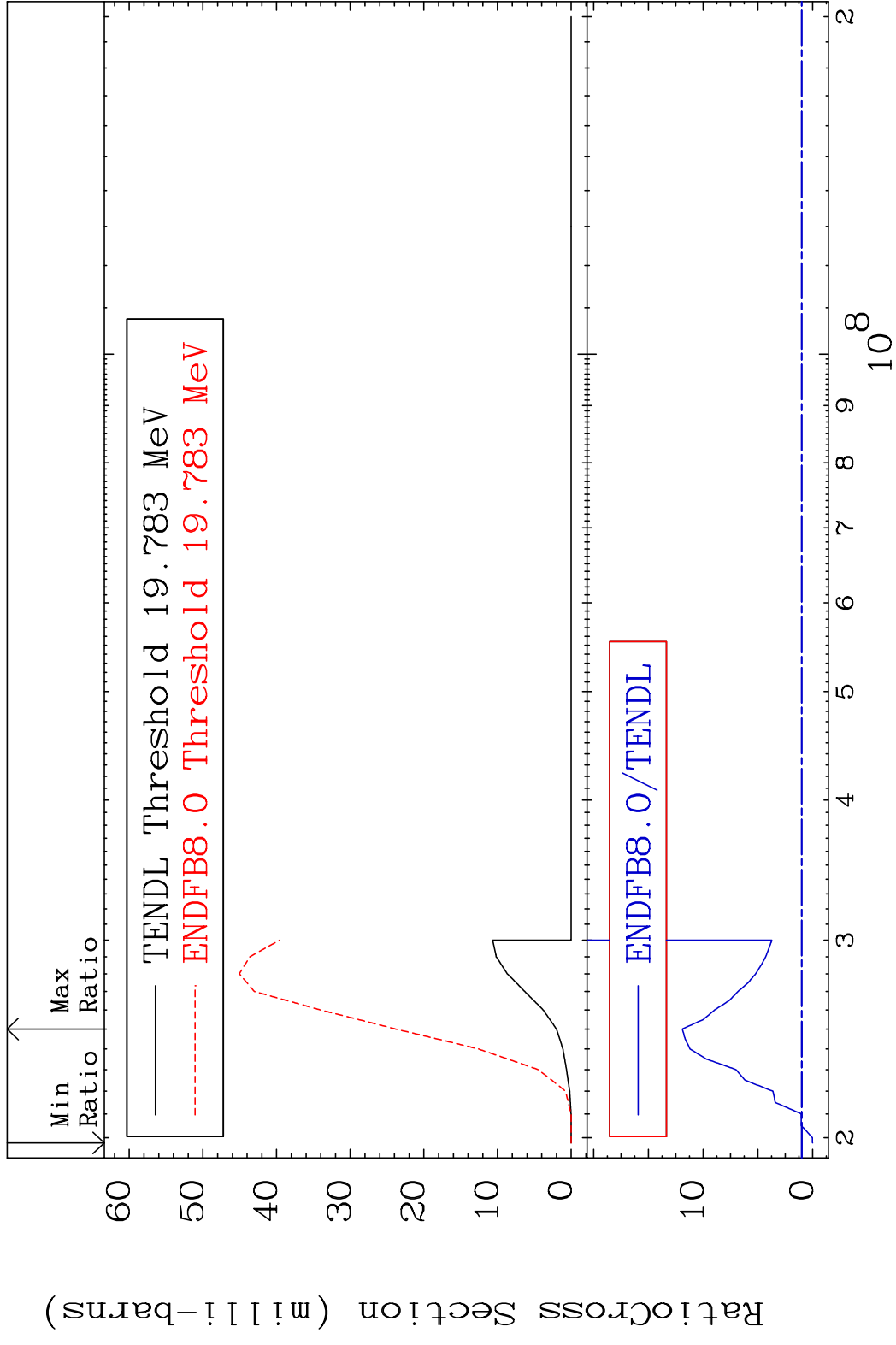


MAT 9543

(n,4n)

95-Am-241

Cross Section -100.0 To 1090. %

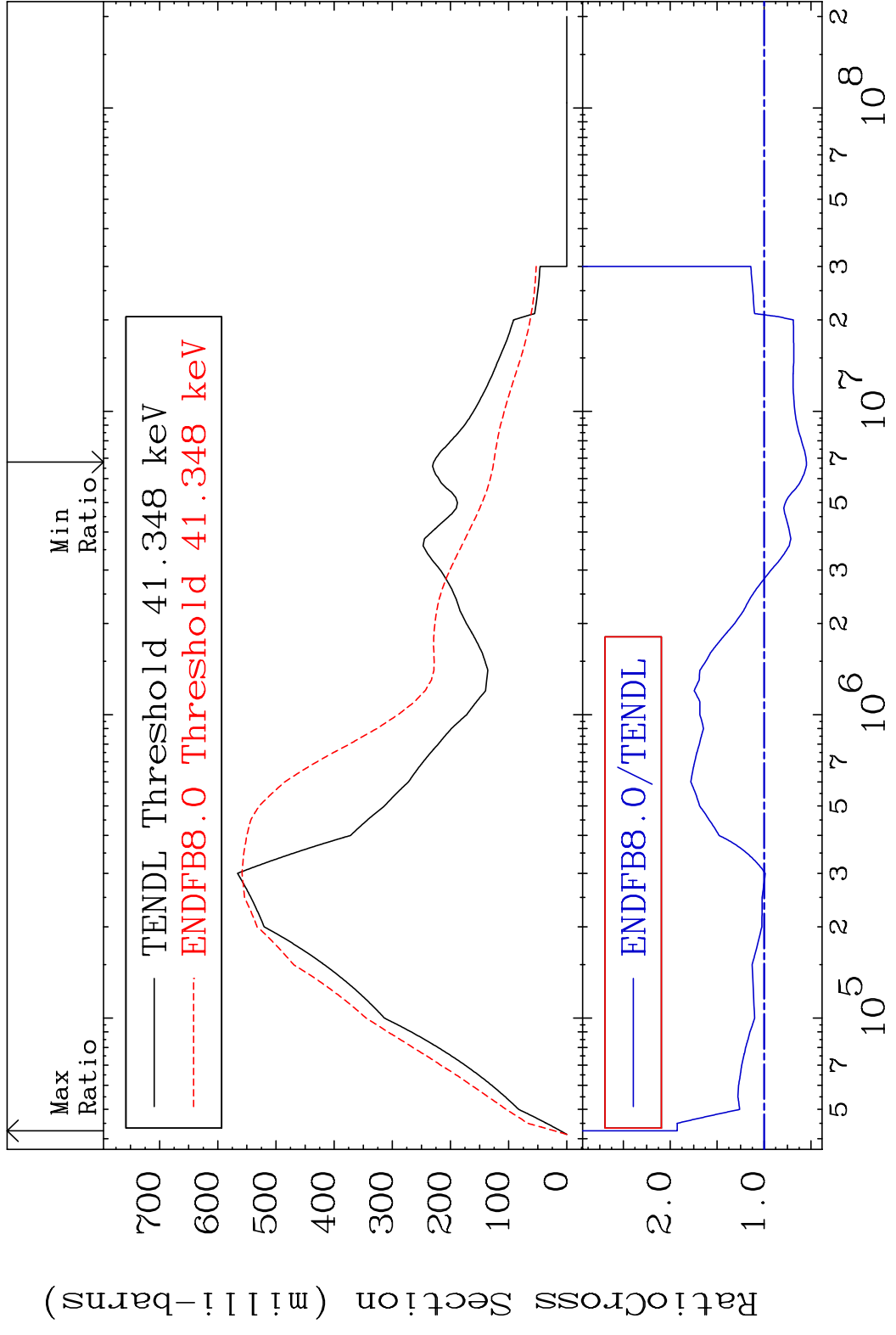


7

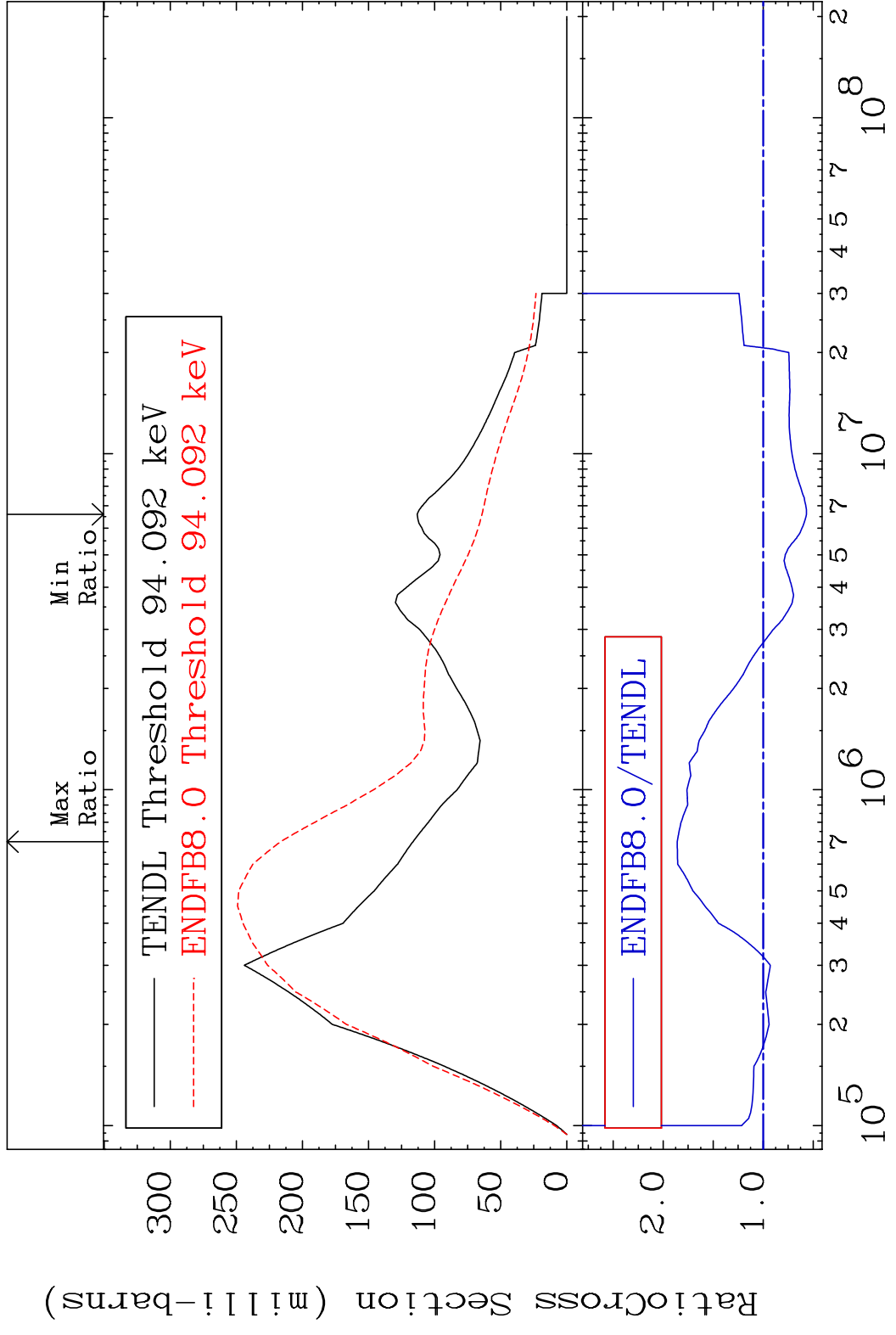
Incident Energy (eV)

95-Am-241

MAT 9543 MT= 51 (n, n') Level 95-Am-241
 Cross Section -45.15 To 92.54 %

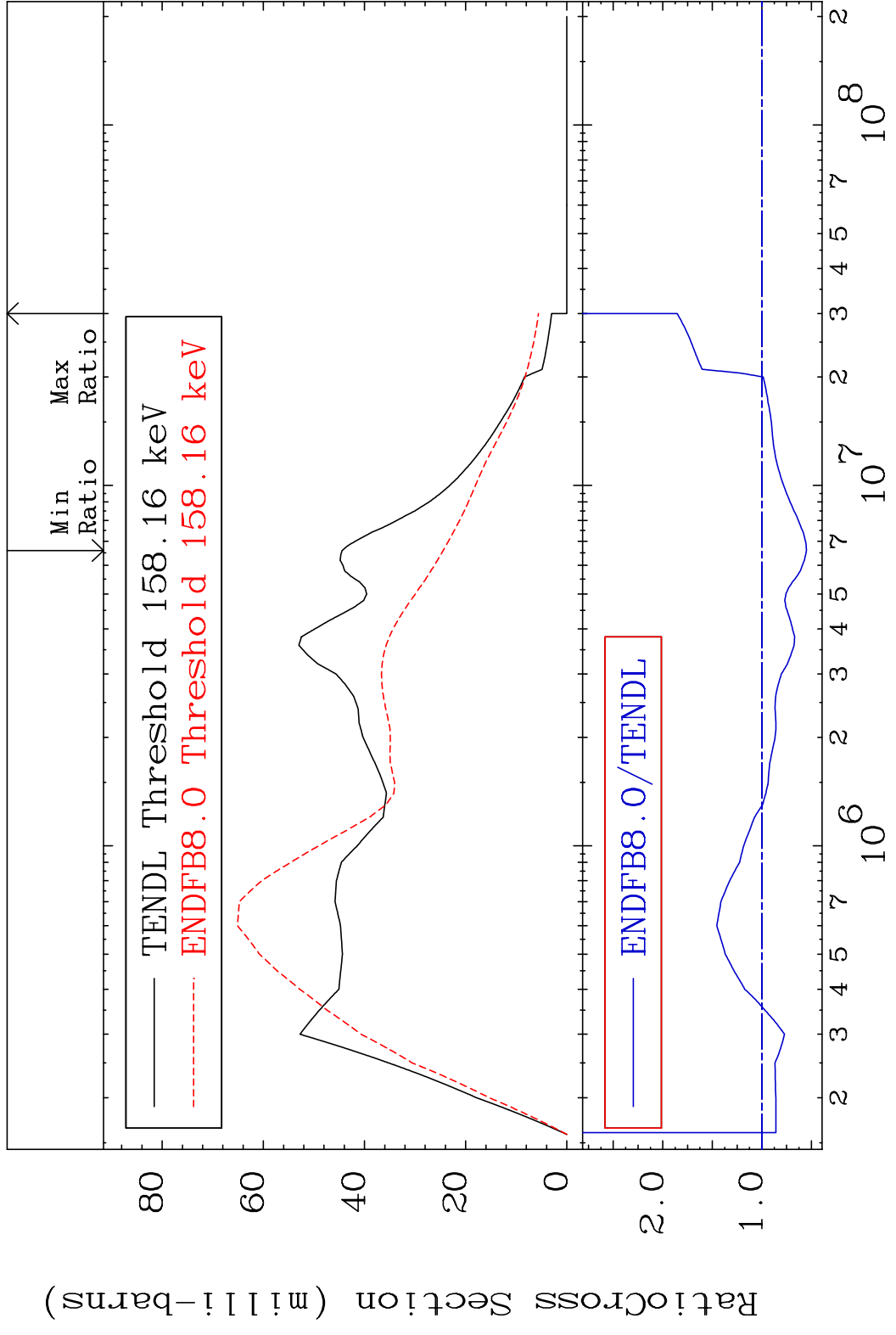


MAT 9543 MT= 52 (n, n') Level 95-Am-241
 Cross Section -43.27 To 86.01 %



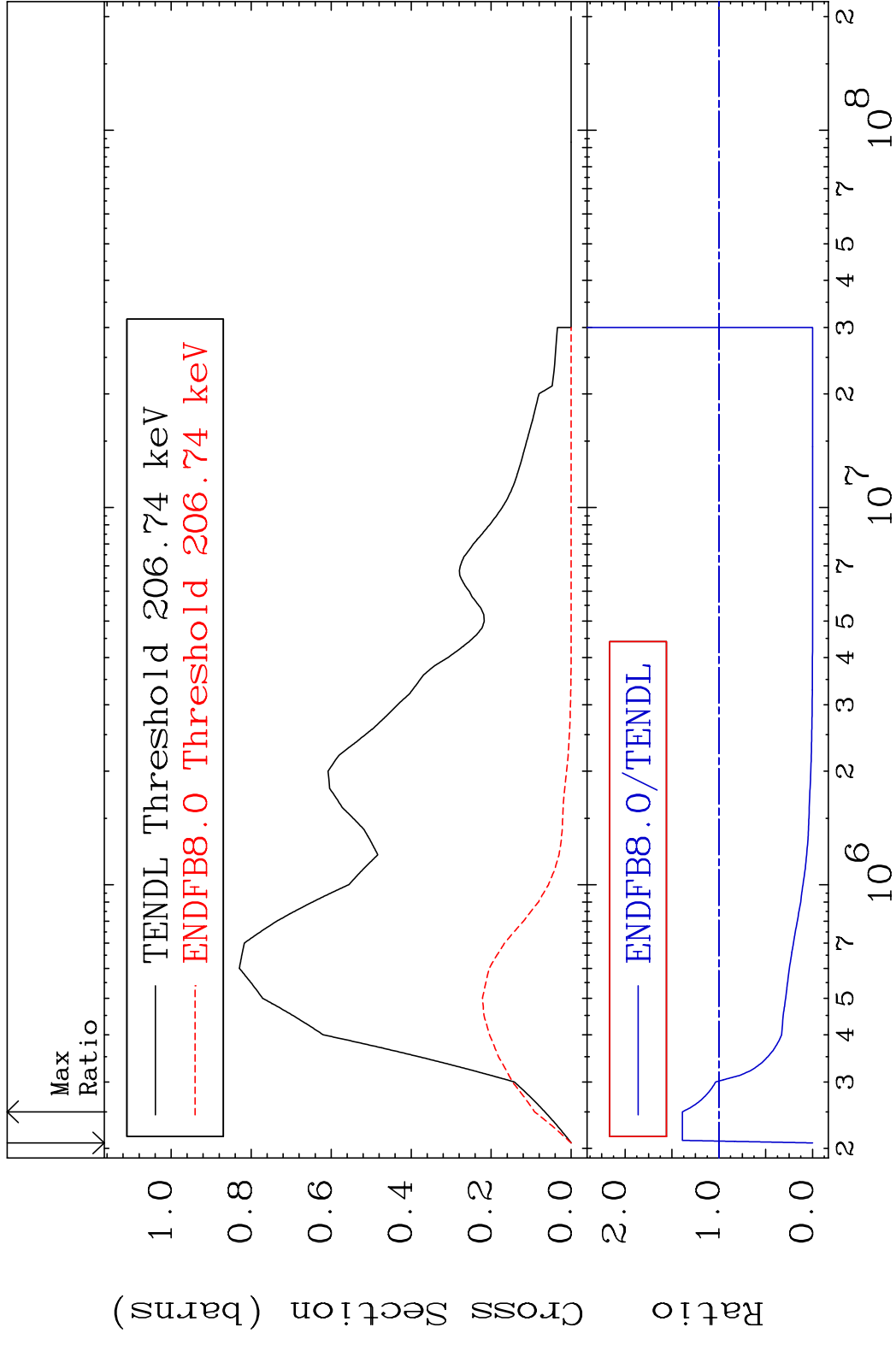
9 Incident Energy (eV) 95-Am-241

MAT 9543 MT= 53 (n, n') Level 95-Am-241
 Cross Section -44.98 To 85.47 %

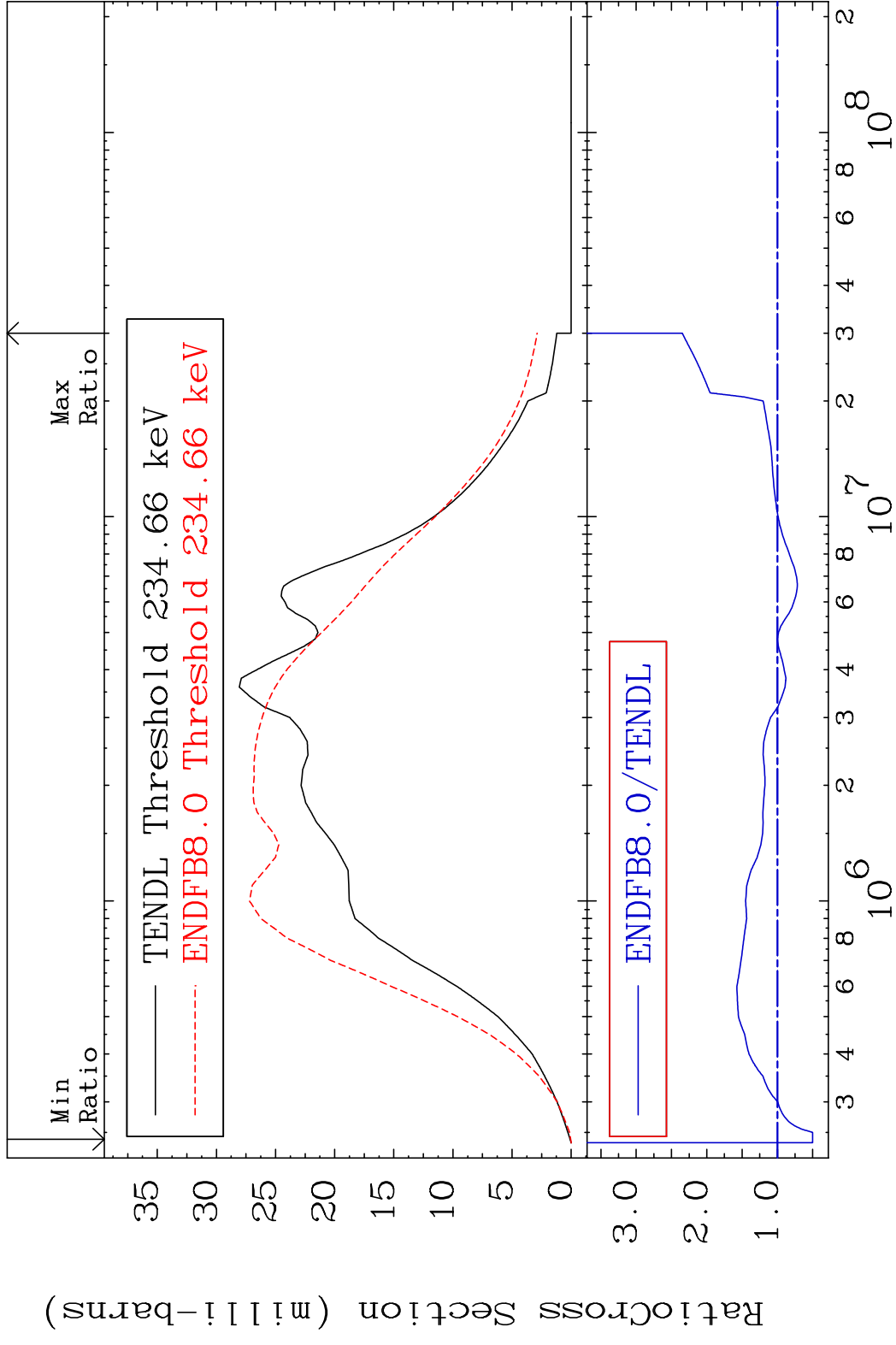


10 Incident Energy (eV) 95-Am-241

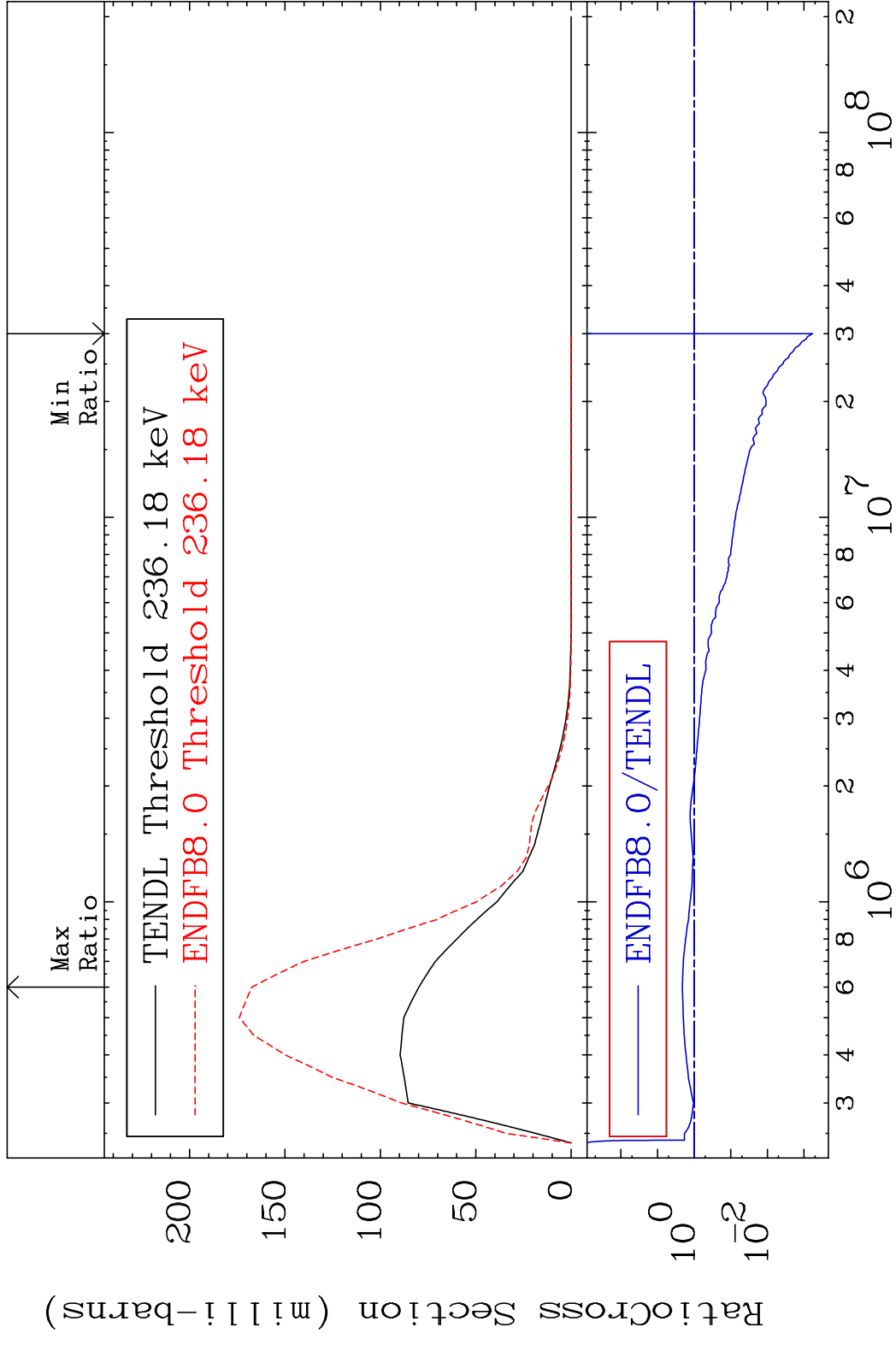
MAT 9543 MT= 54 (n, n') Level 95-Am-241
 Cross Section -100.0 To 38.96 %



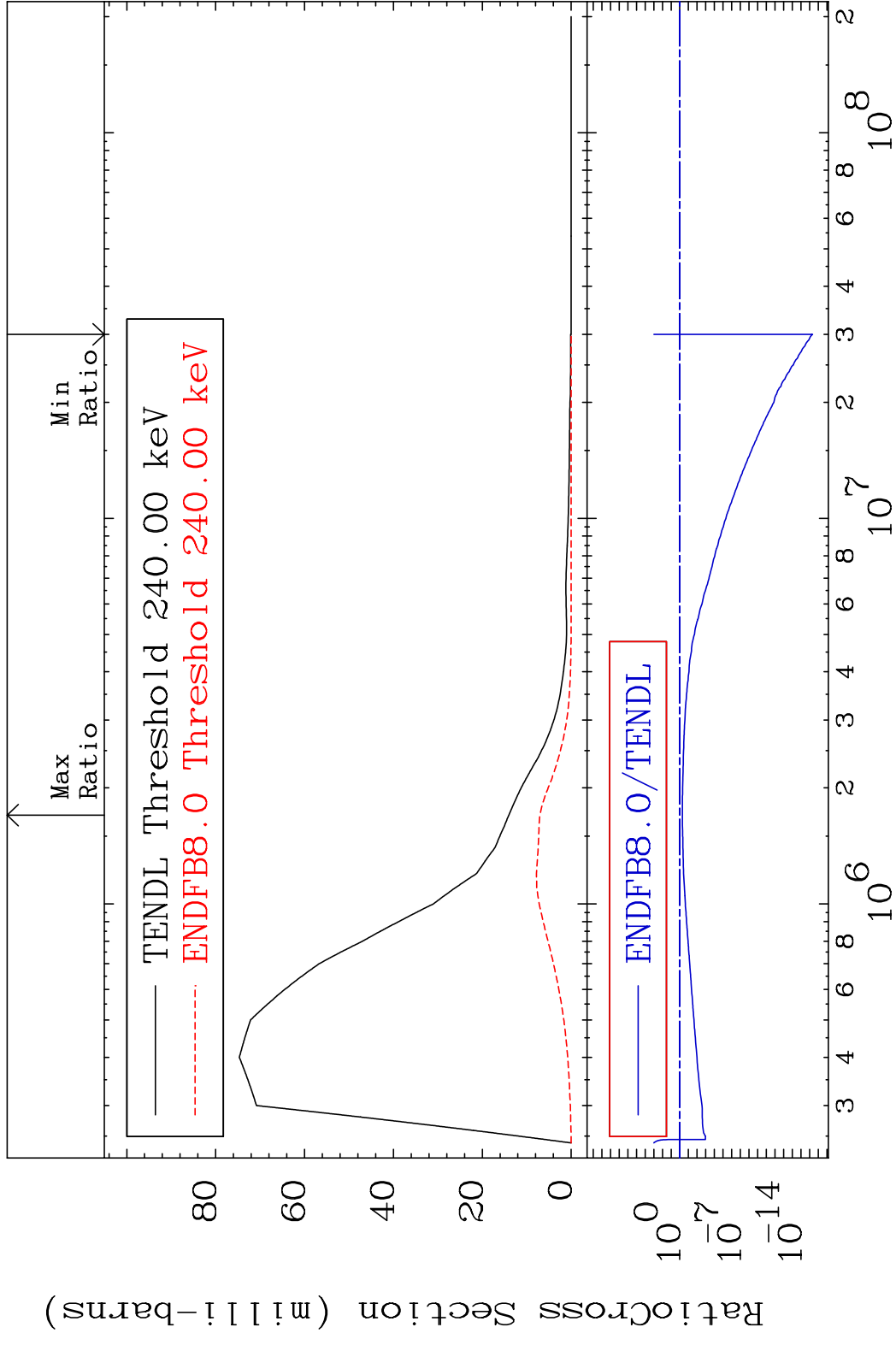
MAT 9543 MT= 55 (n, n') Level 95-Am-241
 Cross Section -49.78 To 134.6 %



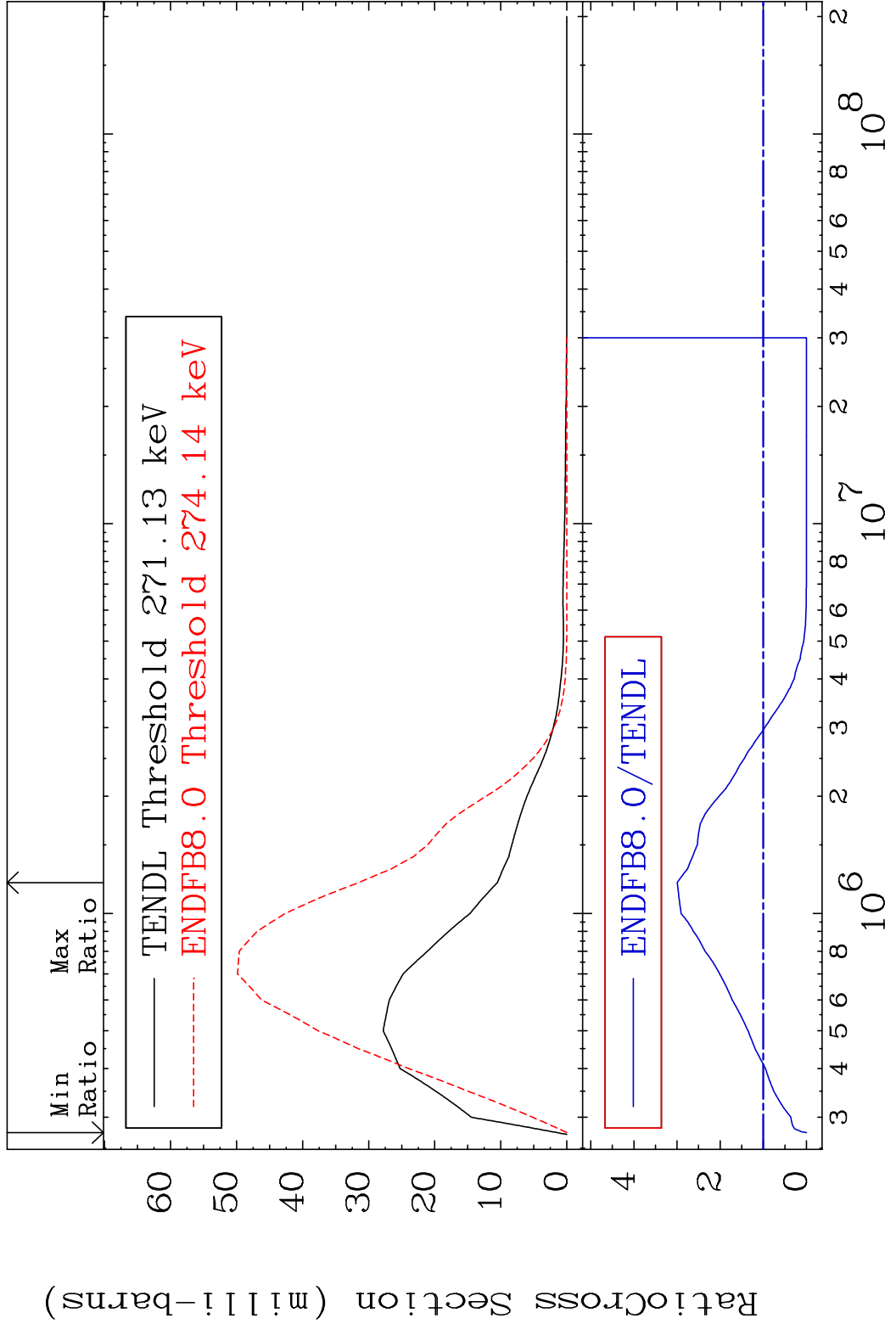
MAT 9543 MT= 56 (n,n') Level 95-Am-241
 Cross Section -99.94 To 109.7 %



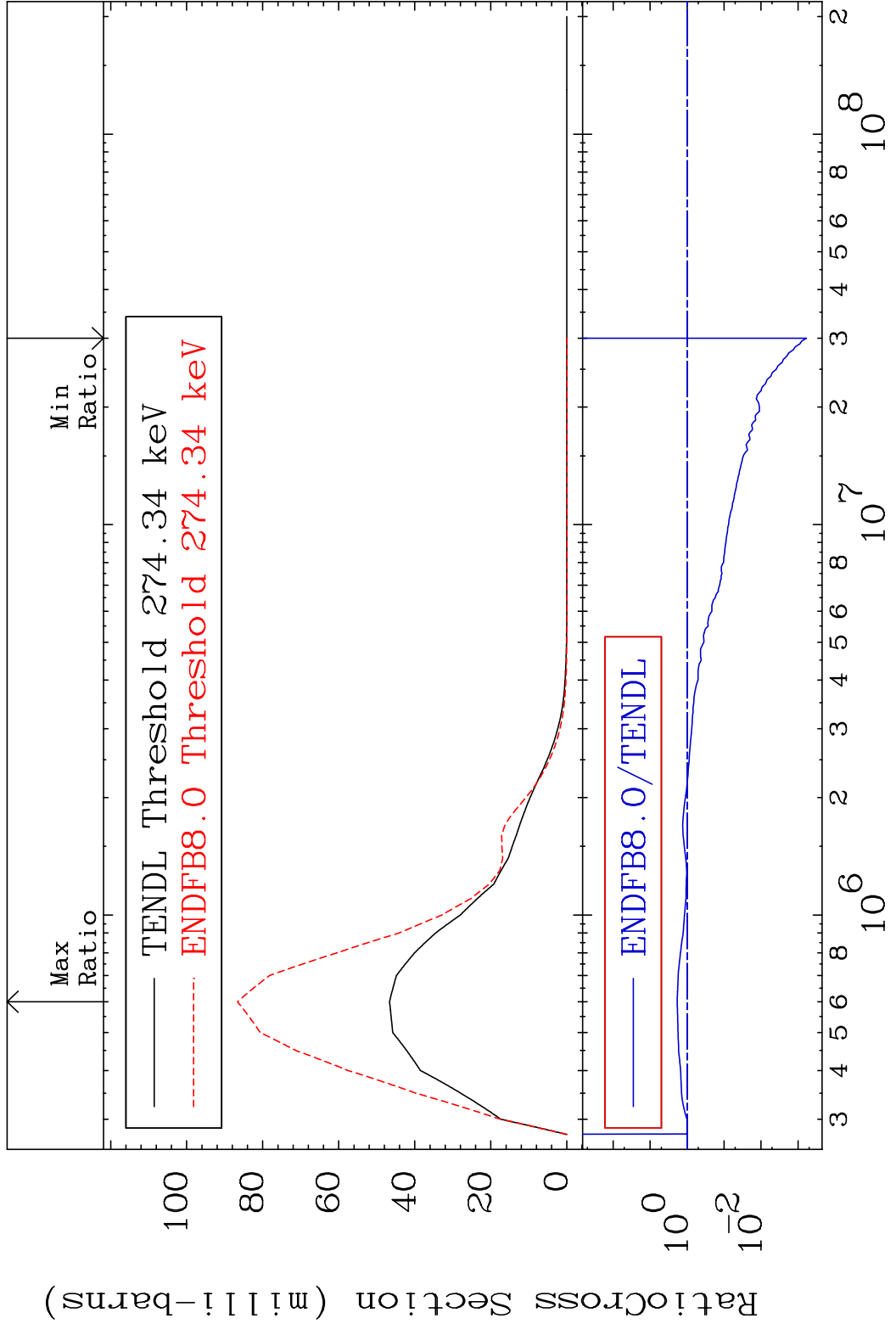
MAT 9543 MT= 57 (n,n') Level 95-Am-241
 Cross Section -100.0 To -49.81%



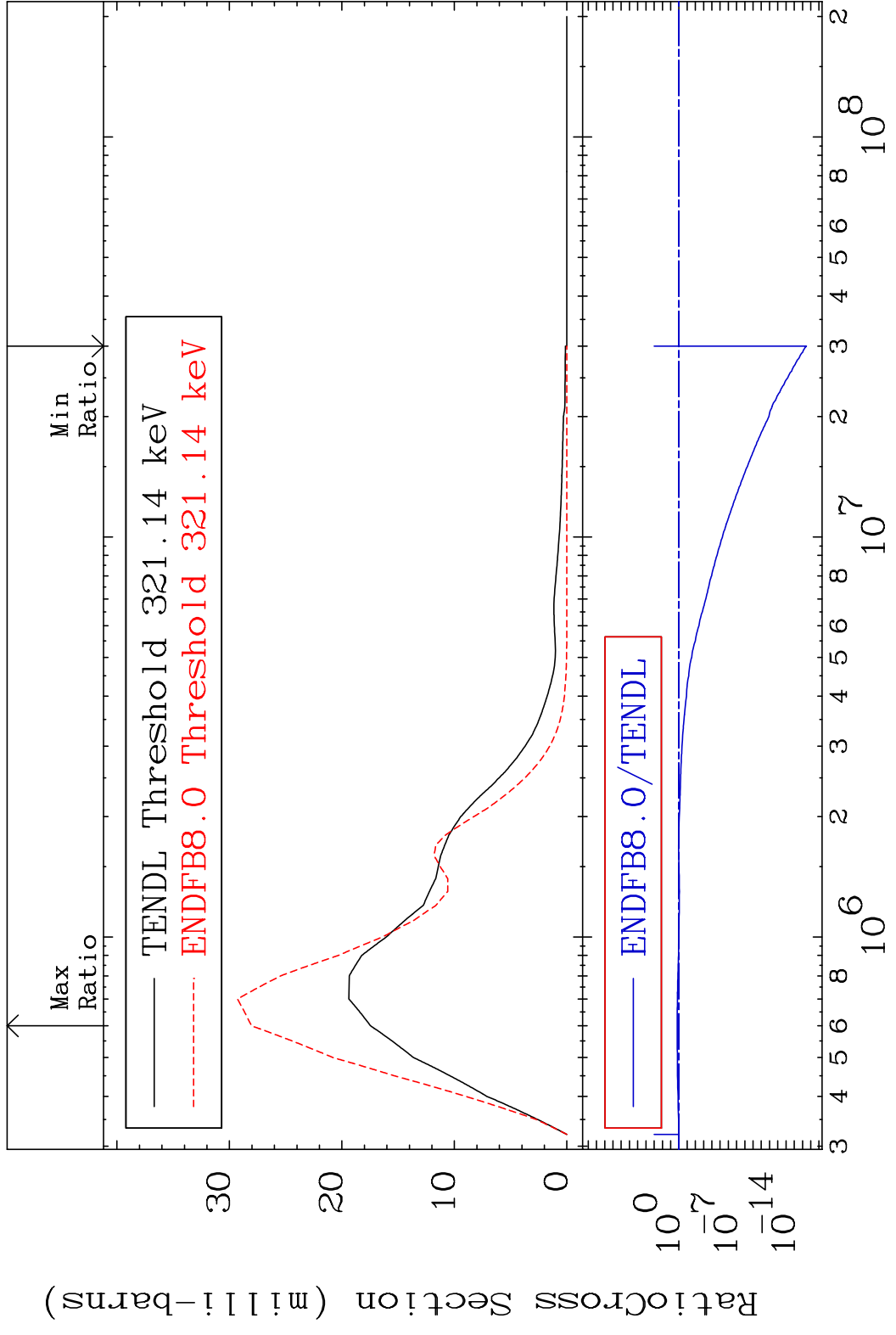
MAT 9543 MT= 58 (n, n') Level 95-Am-241
 Cross Section -100.0 To 199.6 %



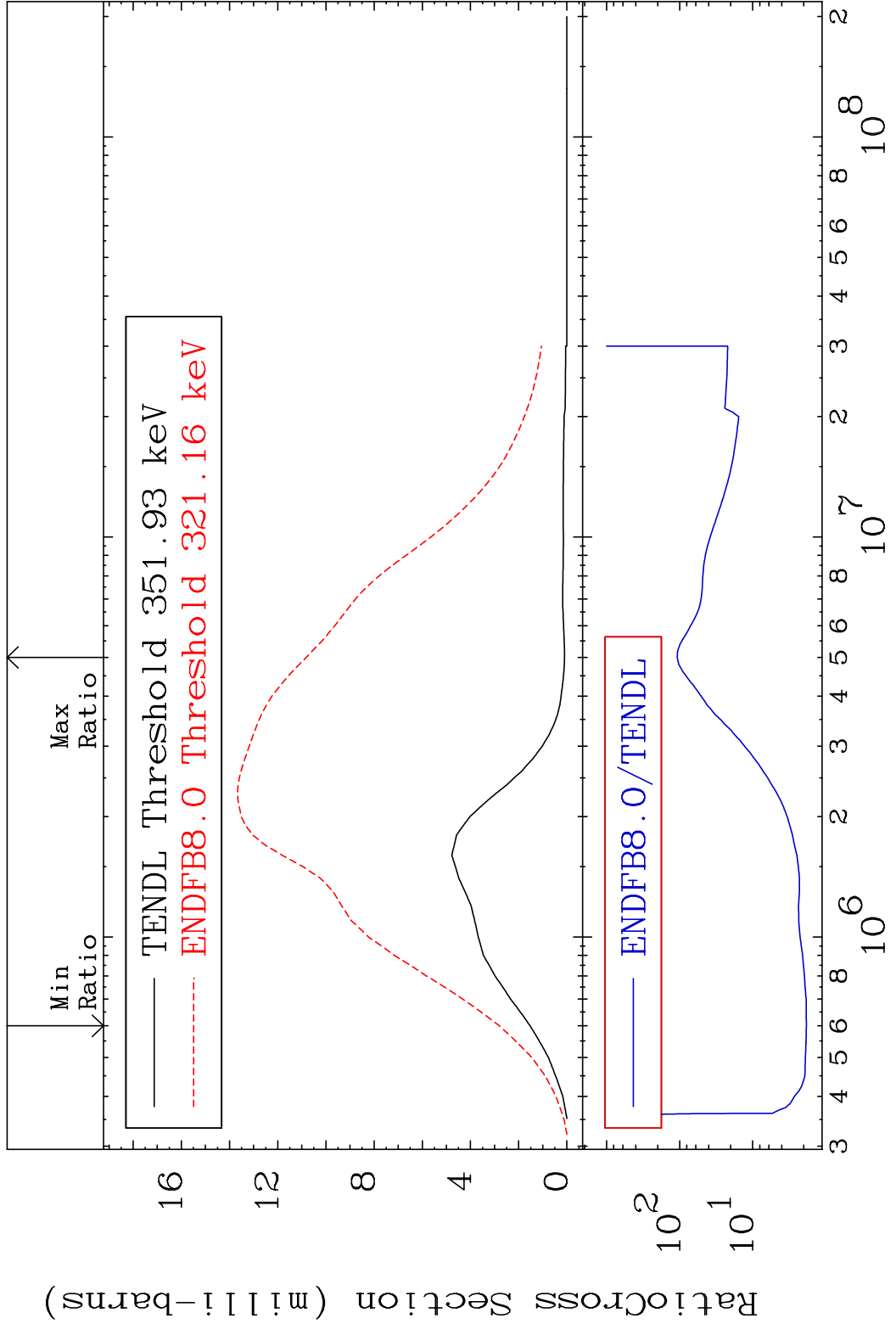
MAT 9543 MT= 59 (n,n') Level 95-Am-241
 Cross Section -99.94 To 85.69 %



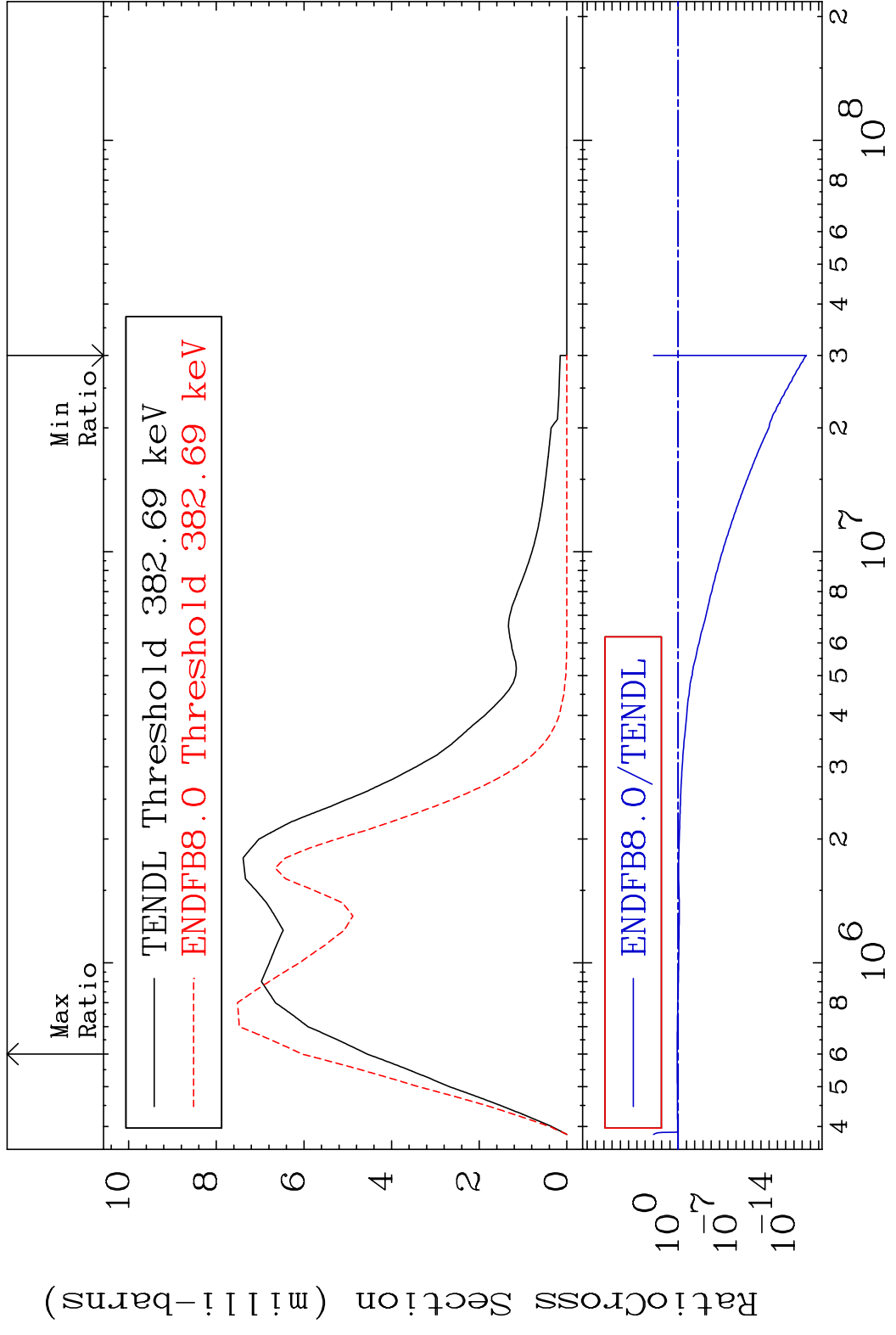
MAT 9543 MT= 60 (n,n') Level 95-Am-241
 Cross Section -100.0 To 60.66 %



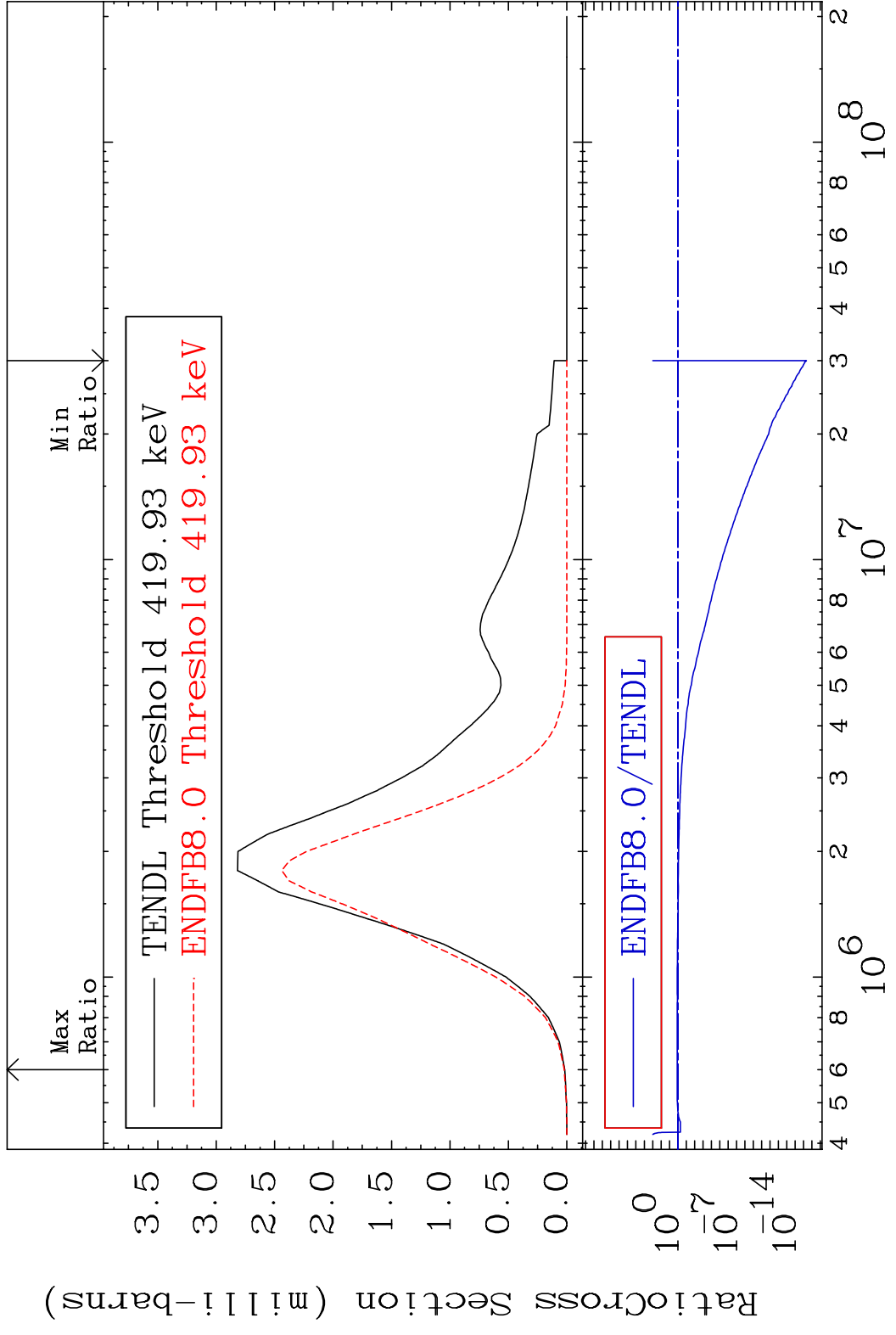
MAT 9543 MT= 61 (n, n') Level 95-Am-241
 Cross Section 83.59 To 9999. %



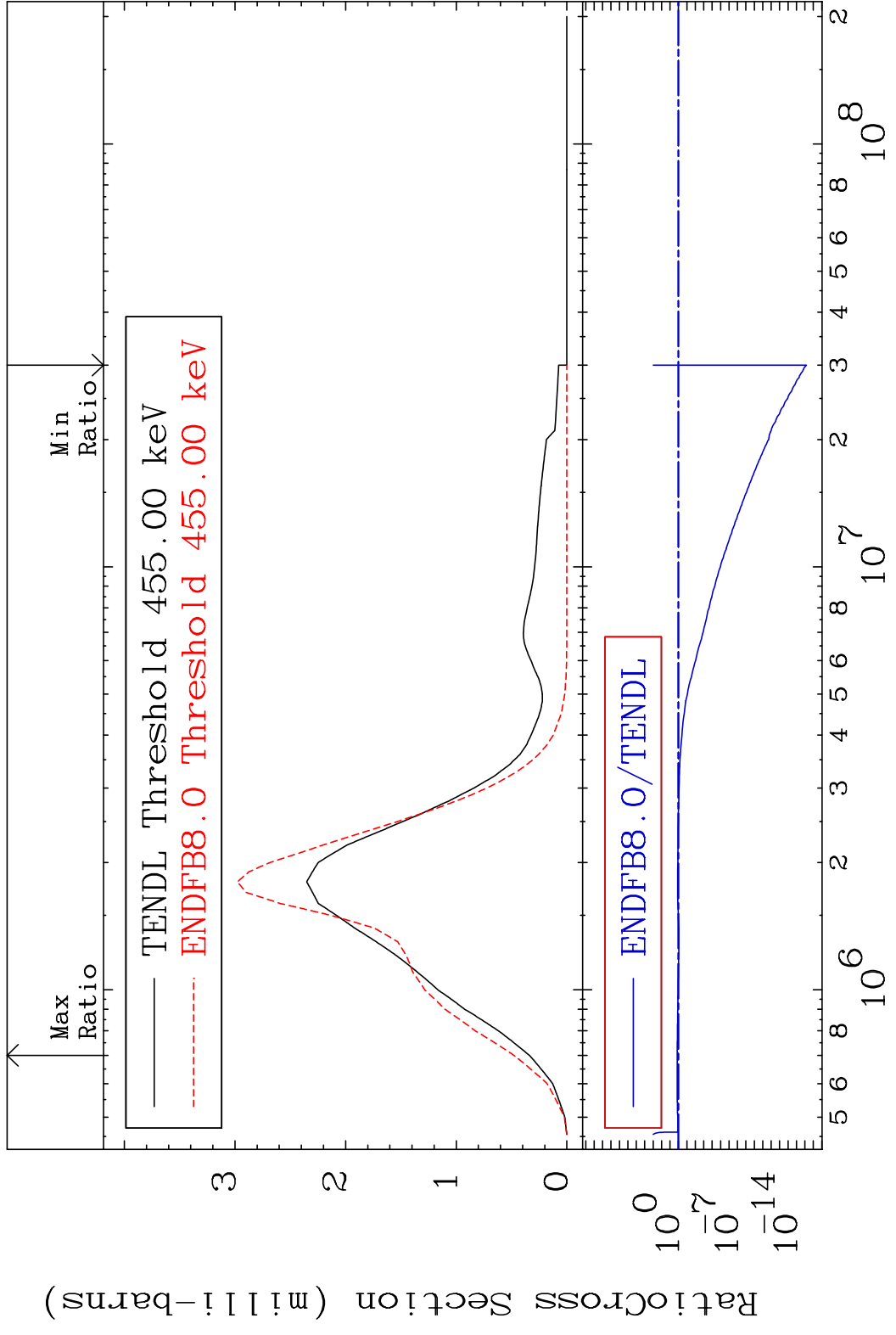
MAT 9543 MT= 62 (n, n') Level 95-Am-241
 Cross Section -100.0 To 32.55 %



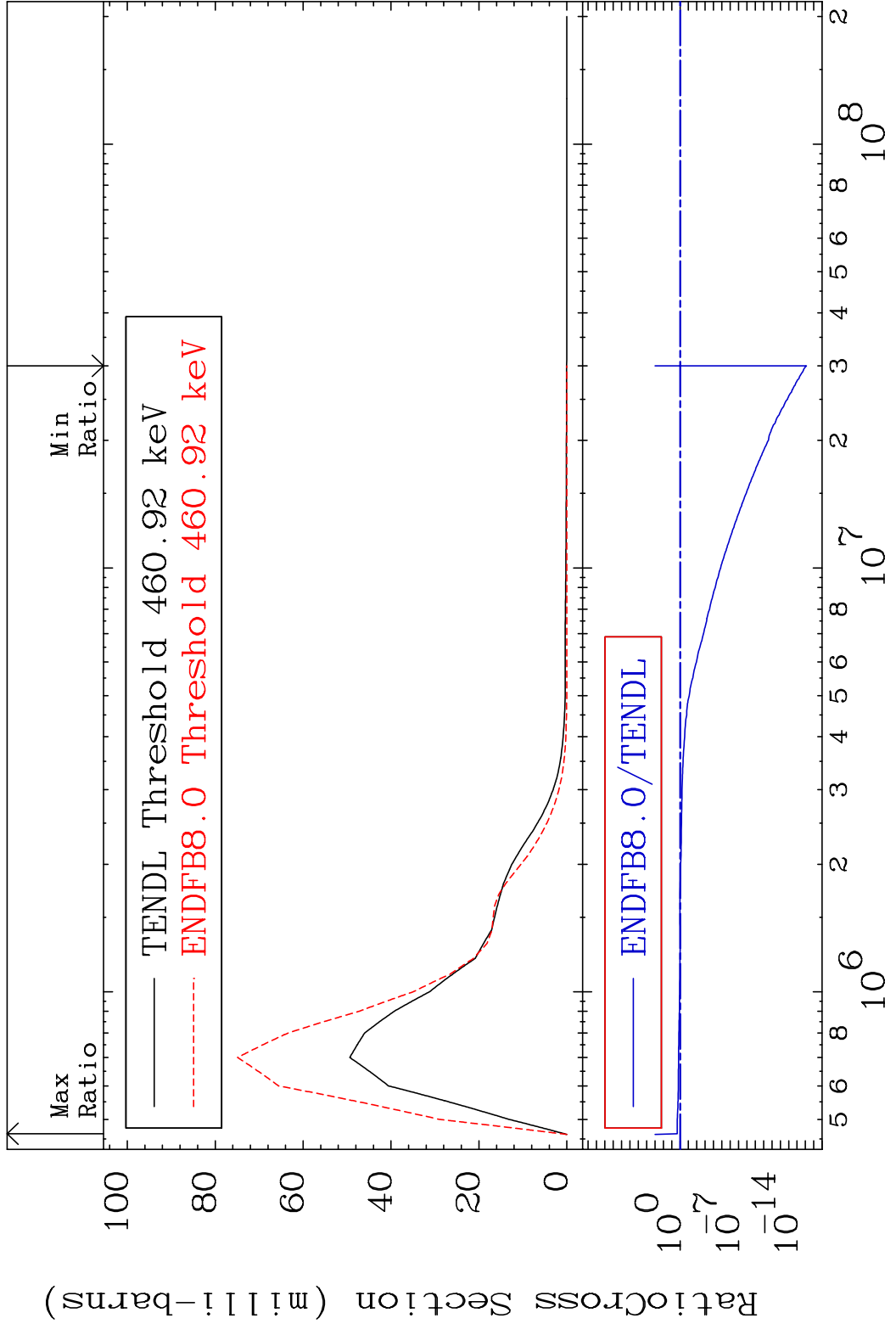
MAT 9543 MT= 63 (n, n') Level 95-Am-241
 Cross Section -100.0 To 19.28 %



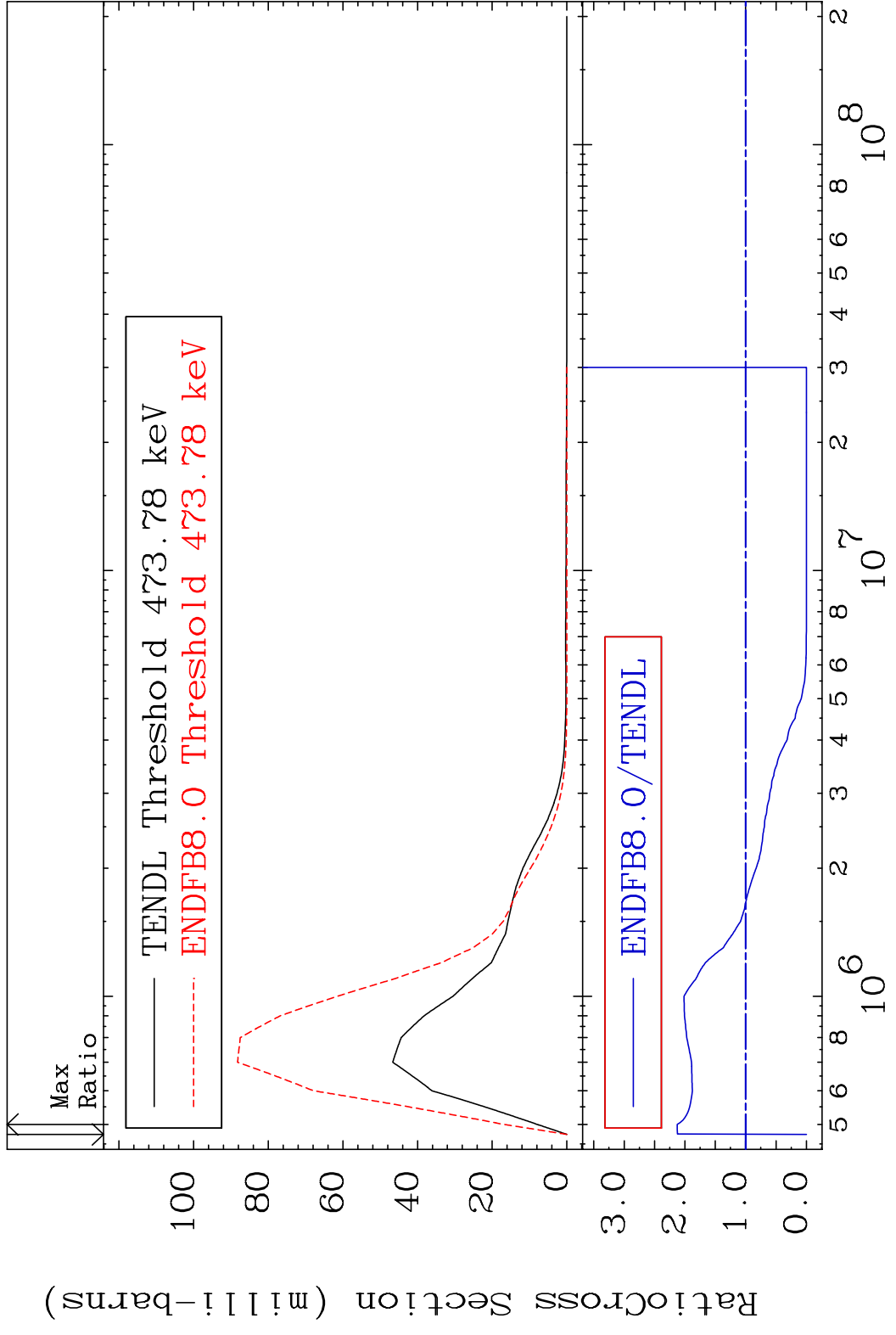
MAT 9543 MT= 64 (n, n') Level 95-Am-241
 Cross Section -100.0 To 41.29 %



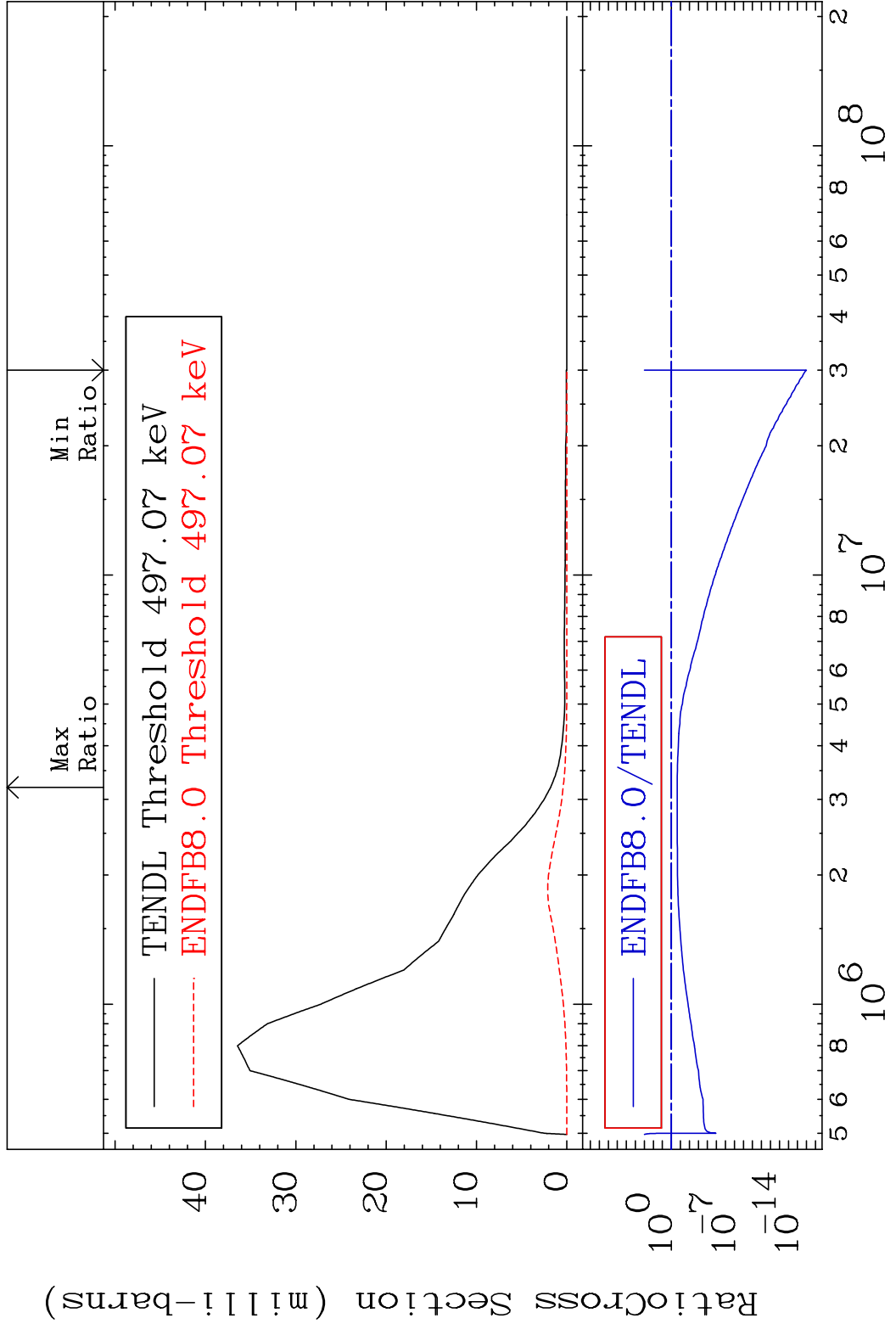
MAT 9543 MT= 65 (n, n') Level 95-Am-241
 Cross Section -100.0 To 120.9 %



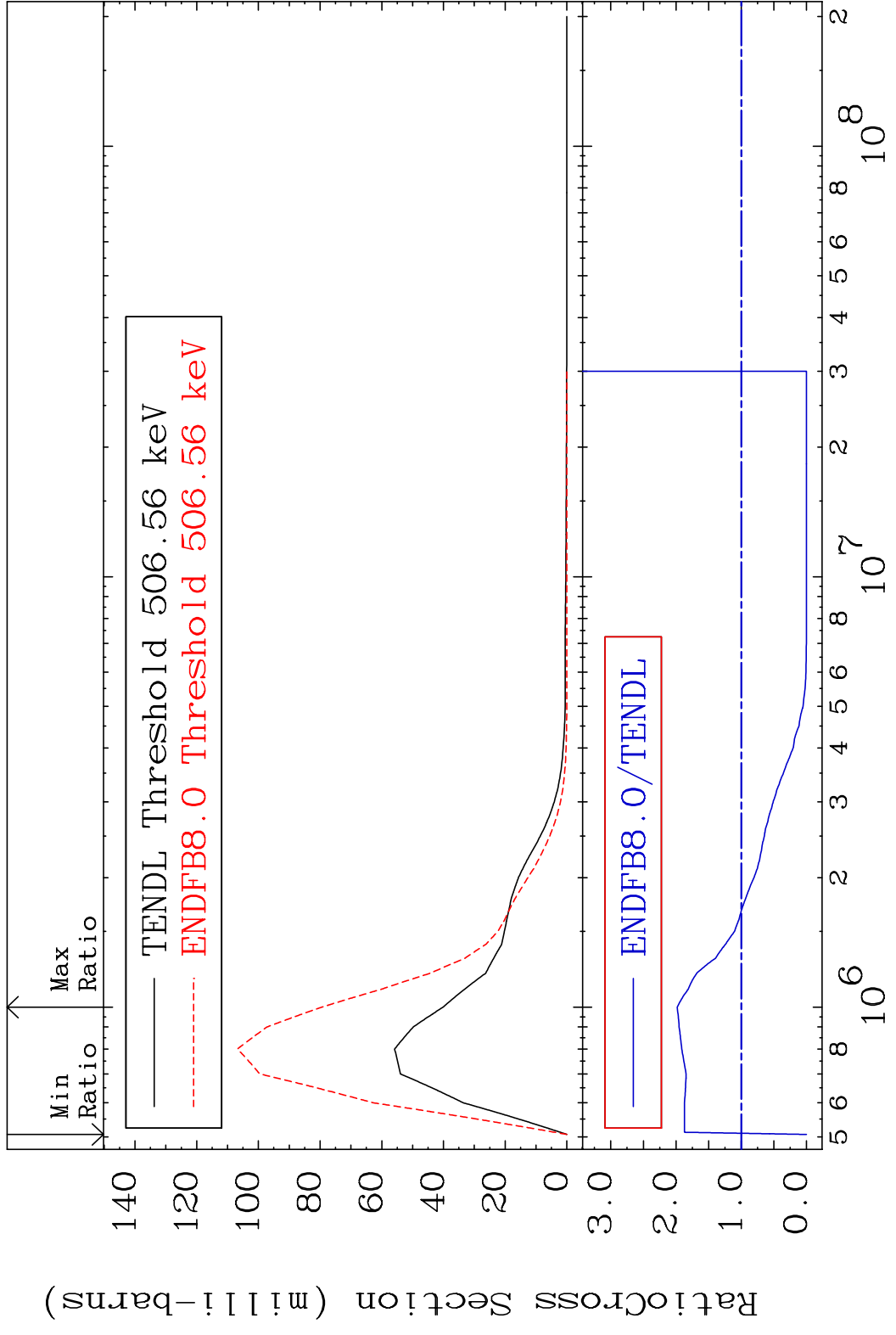
MAT 9543 MT= 66 (n,n') Level 95-Am-241
 Cross Section -100.0 To 112.7 %



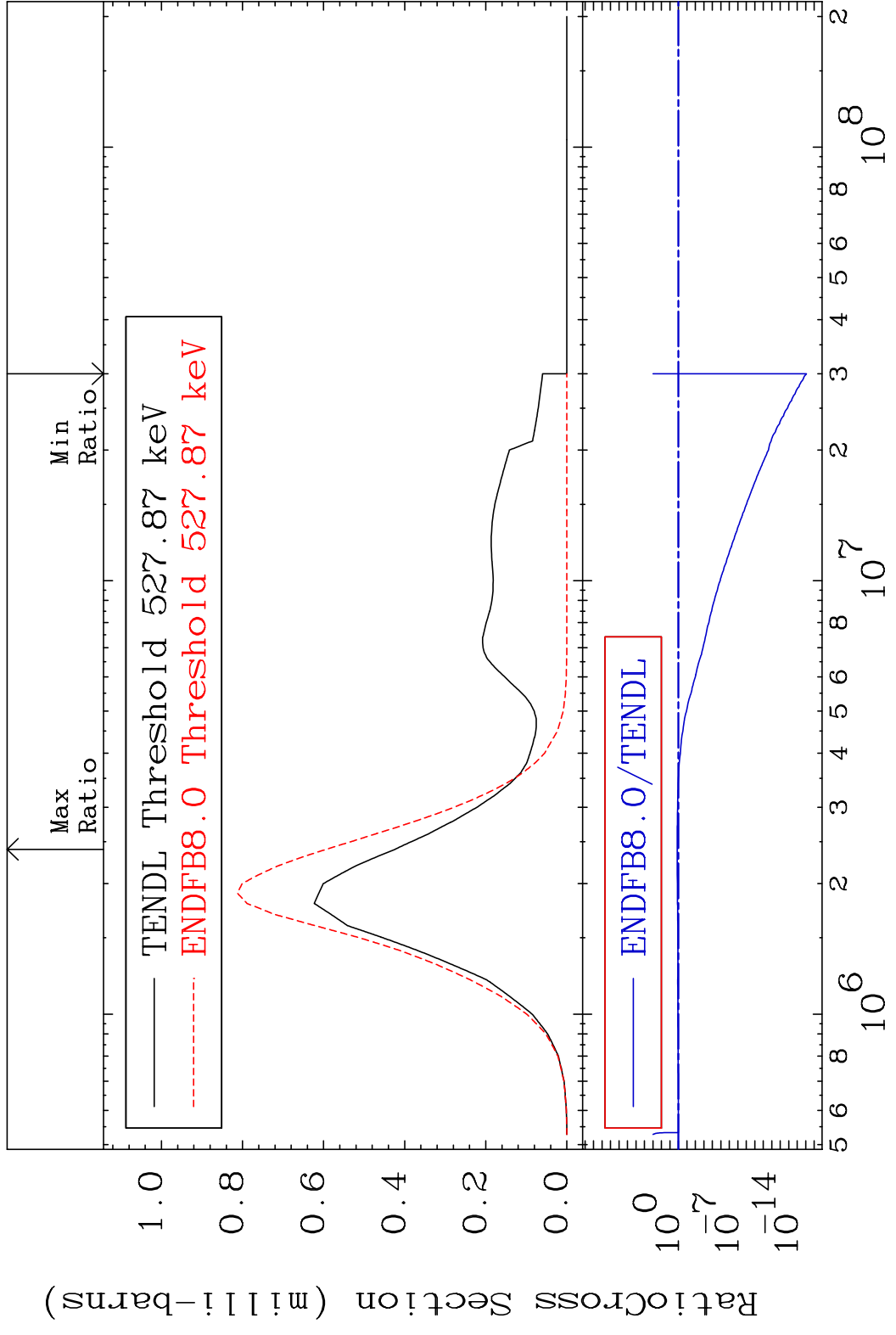
MAT 9543 MT= 67 (n, n') Level 95-Am-241
 Cross Section -100.0 To -77.36%



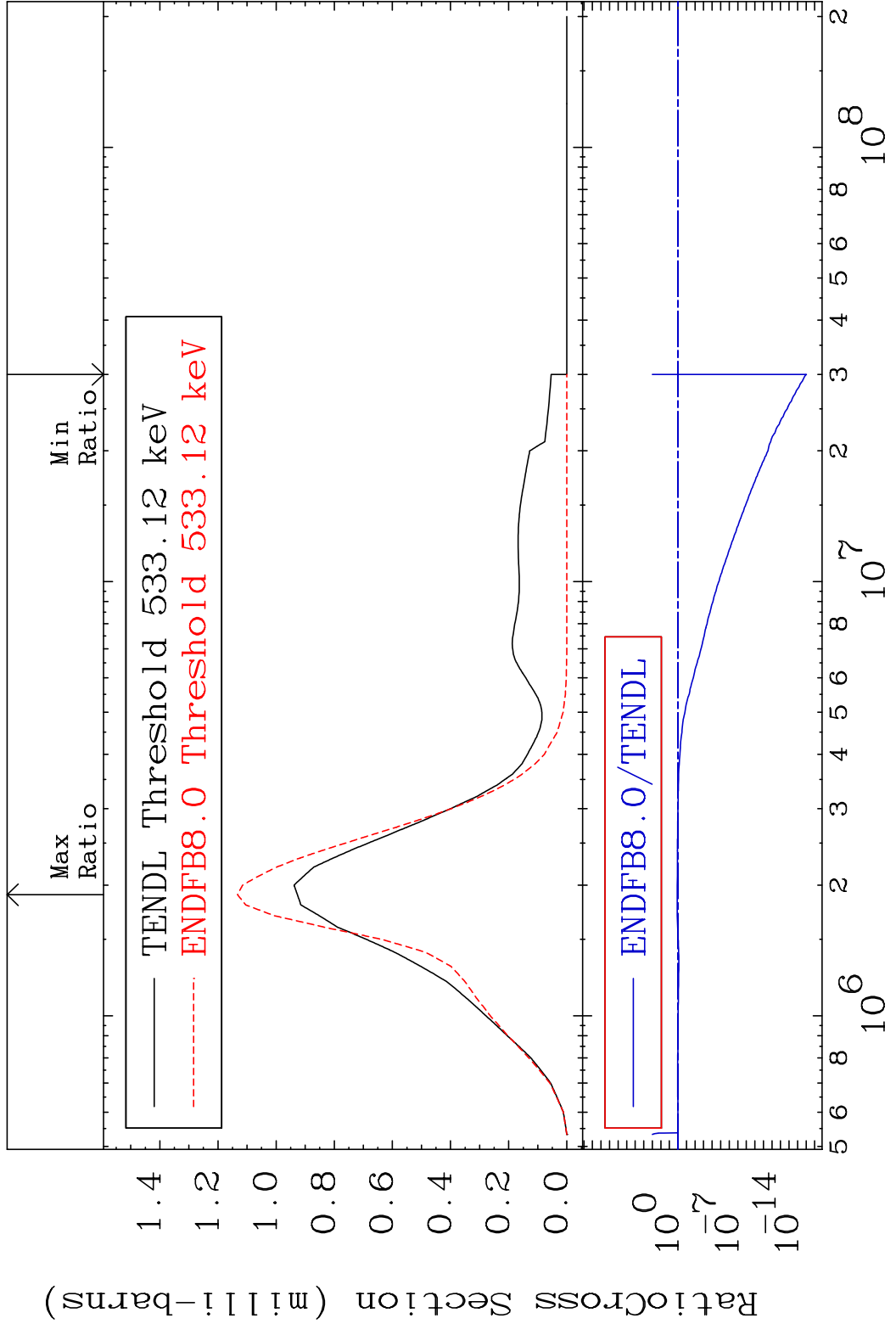
MAT 9543 MT= 68 (n, n') Level 95-Am-241
 Cross Section -100.0 To 98.17 %



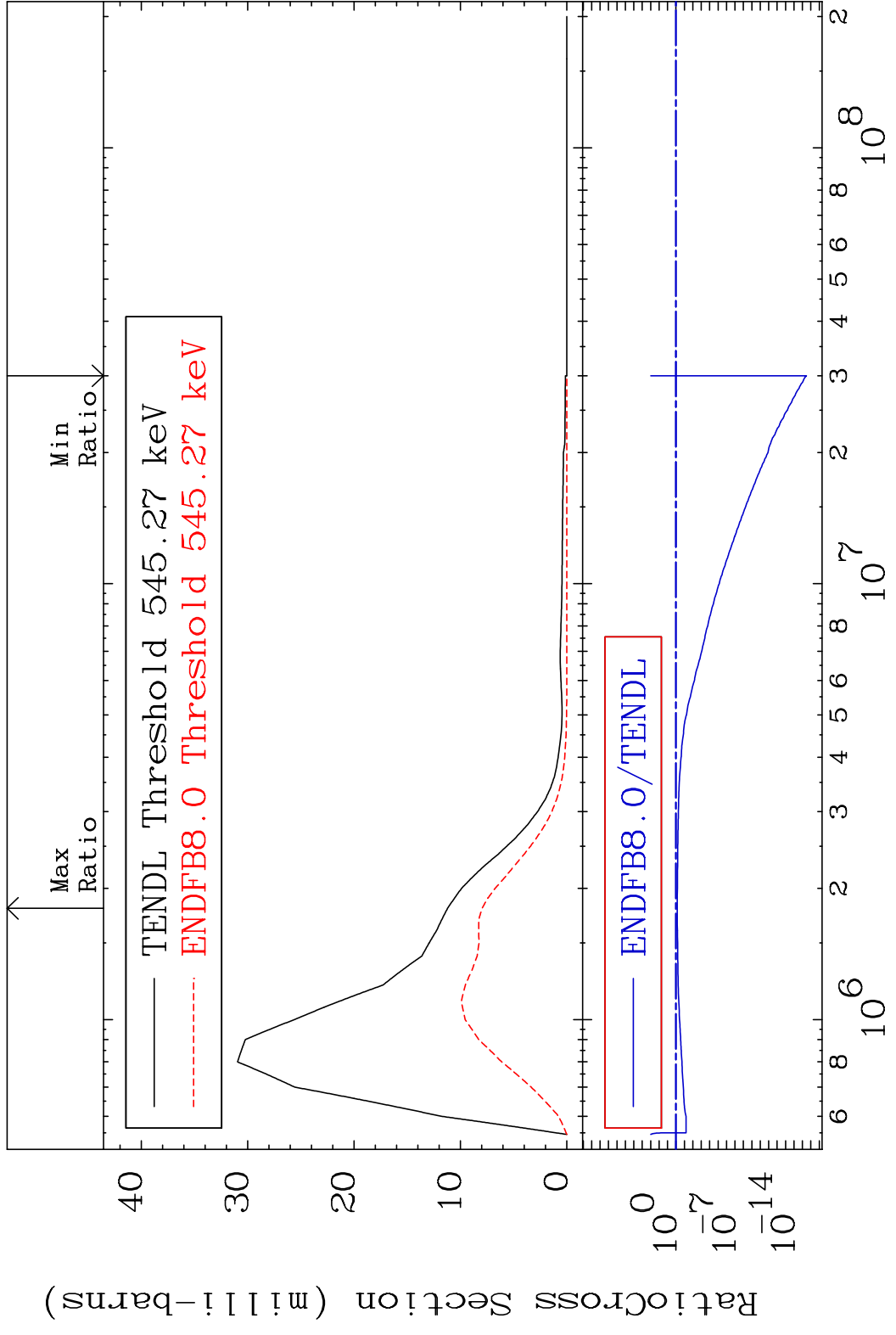
MAT 9543 MT= 69 (n, n') Level 95-Am-241
 Cross Section -100.0 To 39.95 %



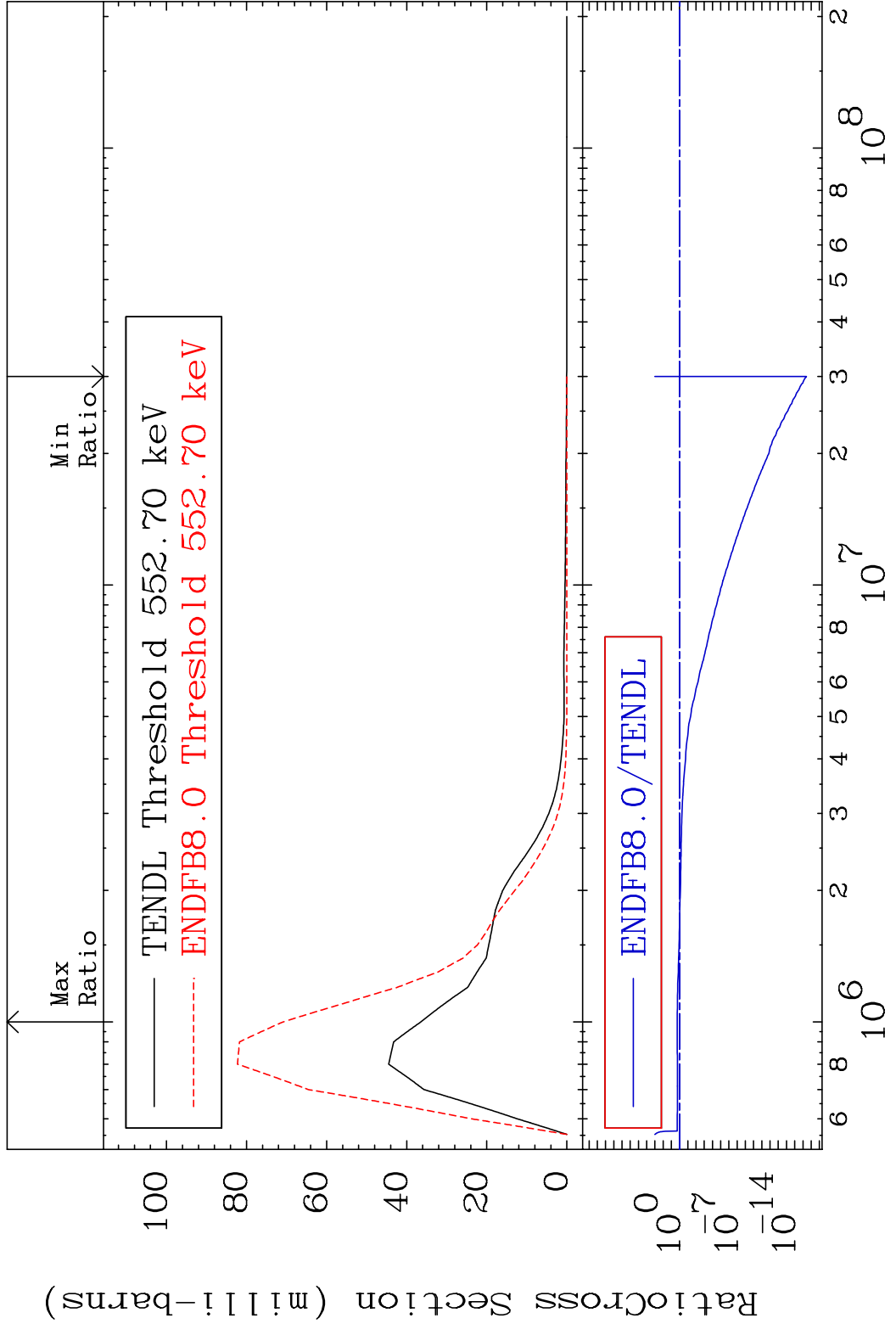
MAT 9543 MT= 70 (n,n') Level 95-Am-241
 Cross Section -100.0 To 22.25 %



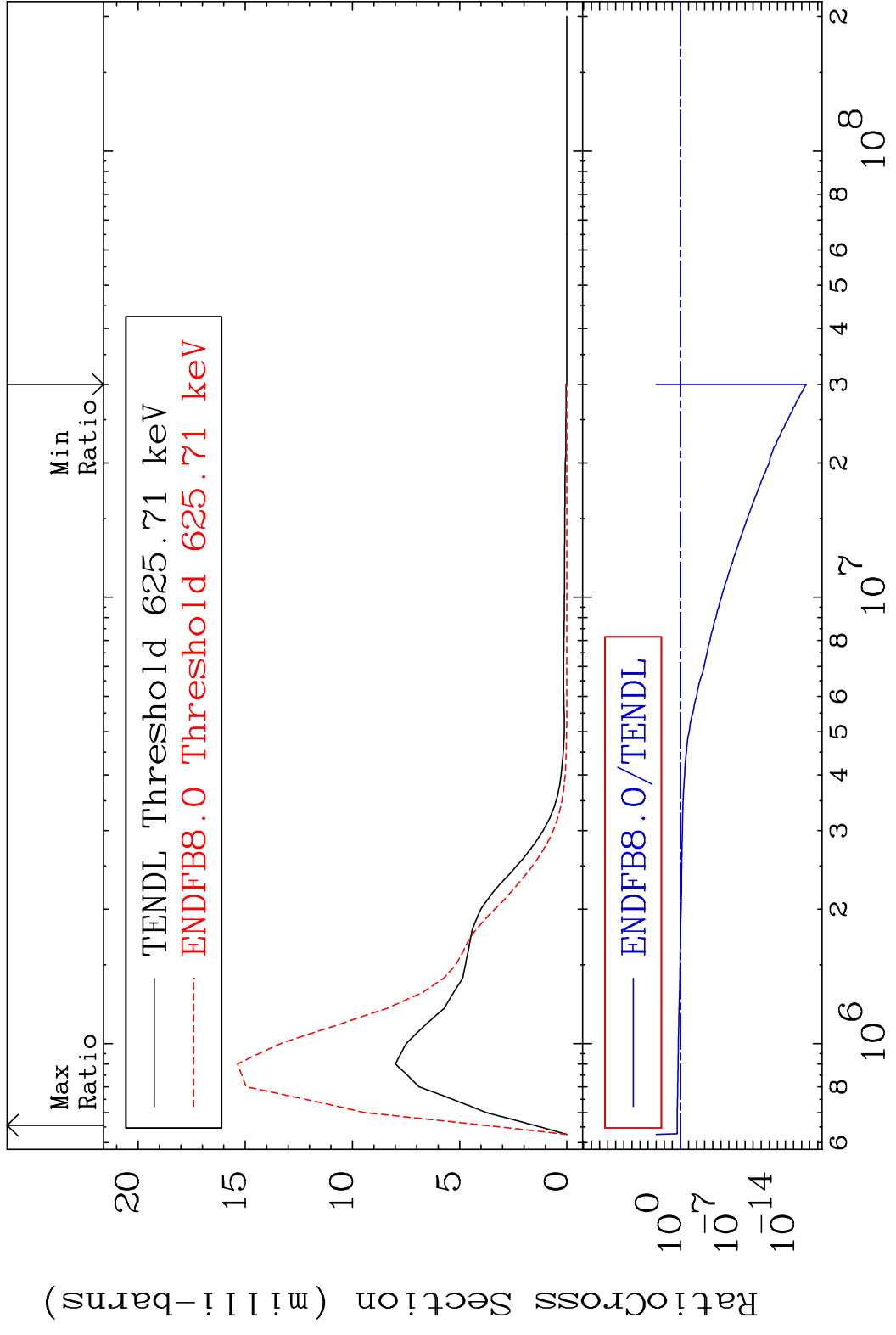
MAT 9543 MT= 71 (n, n') Level 95-Am-241
 Cross Section -100.0 To -28.90%



MAT 9543 MT= 72 (n, n') Level 95-Am-241
 Cross Section -100.0 To 94.37 %

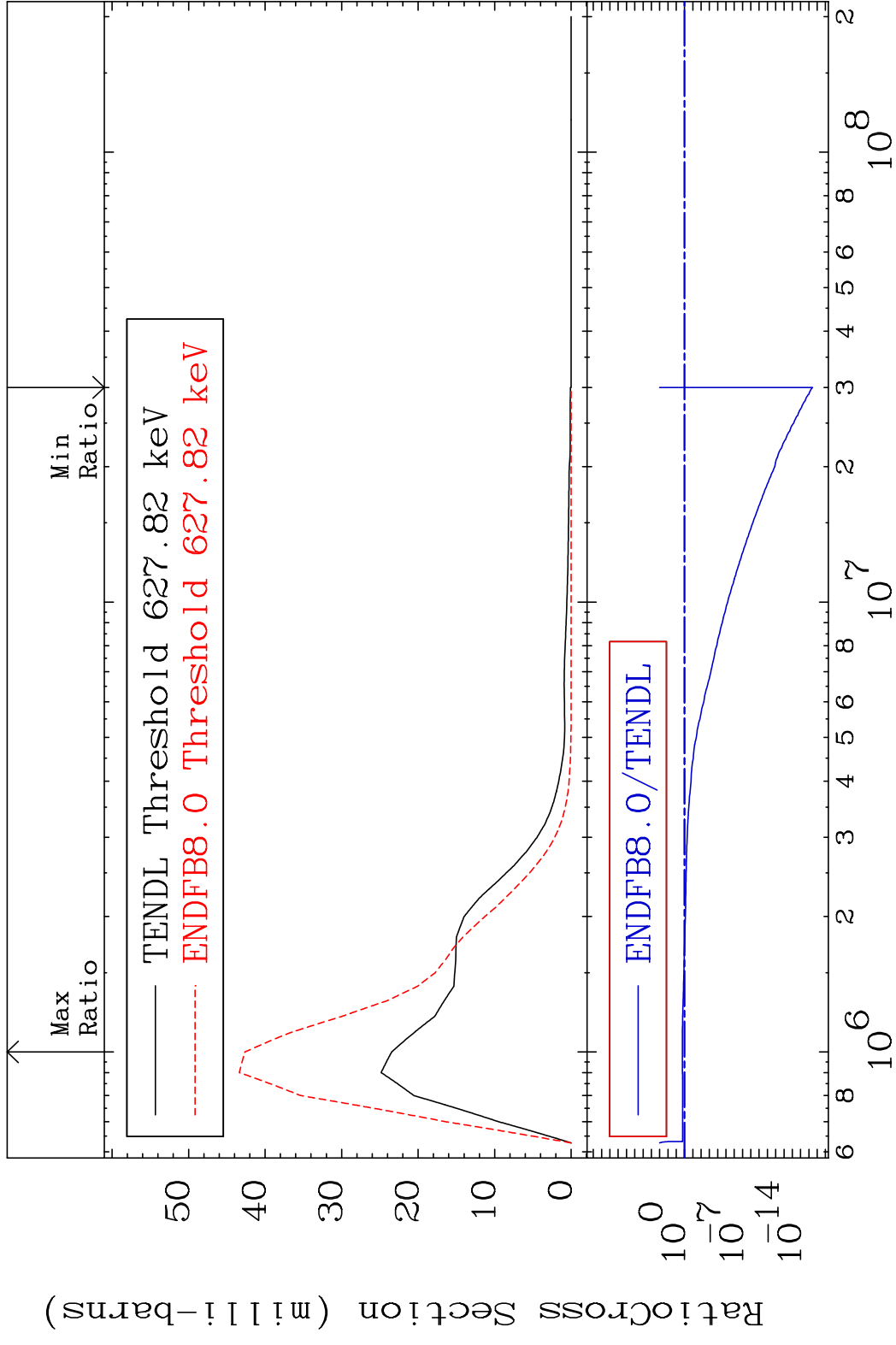


MAT 9543 MT= 73 (n, n') Level 95-Am-241
 Cross Section -100.0 To 150.9 %

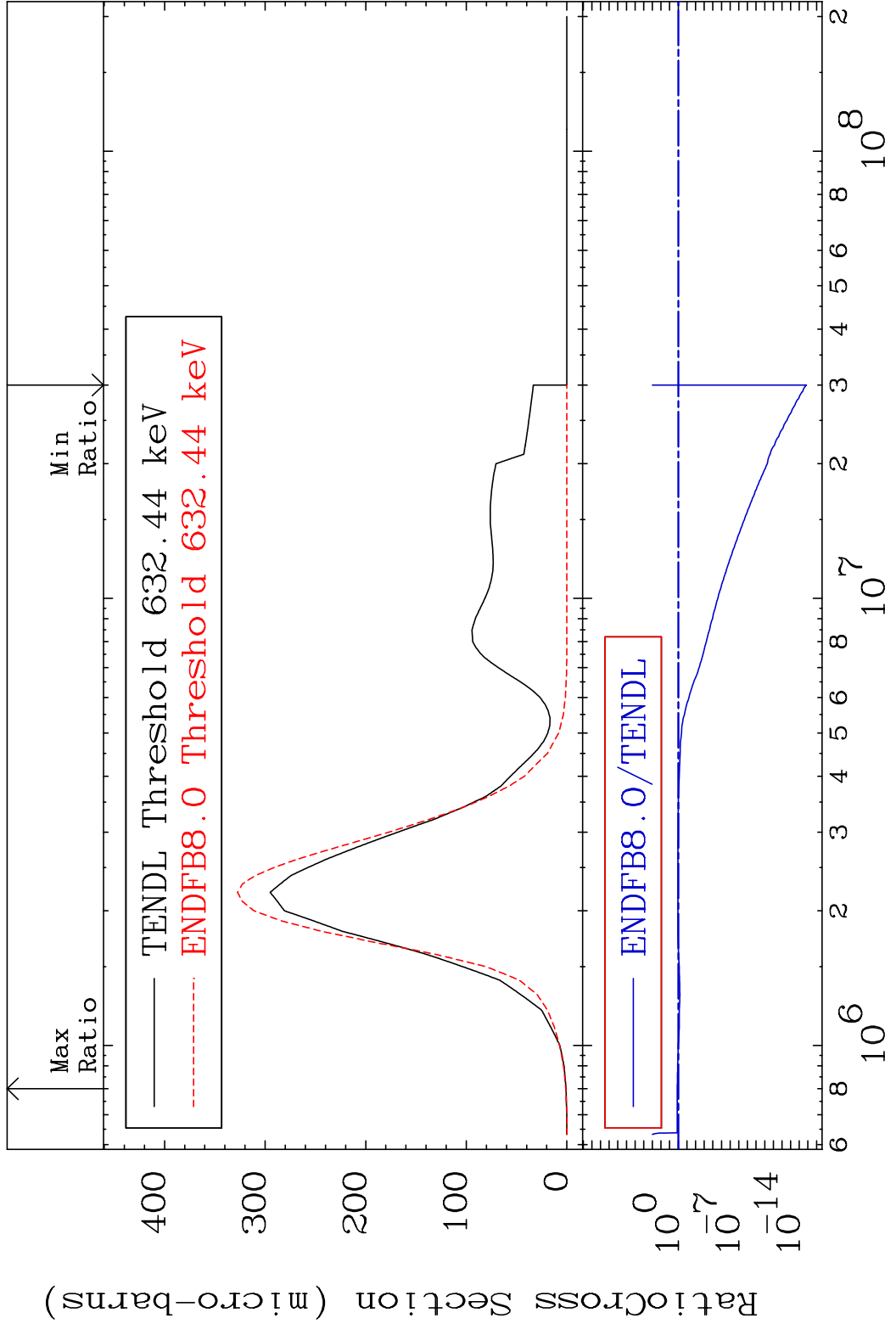


30 Incident Energy (eV) 95-Am-241

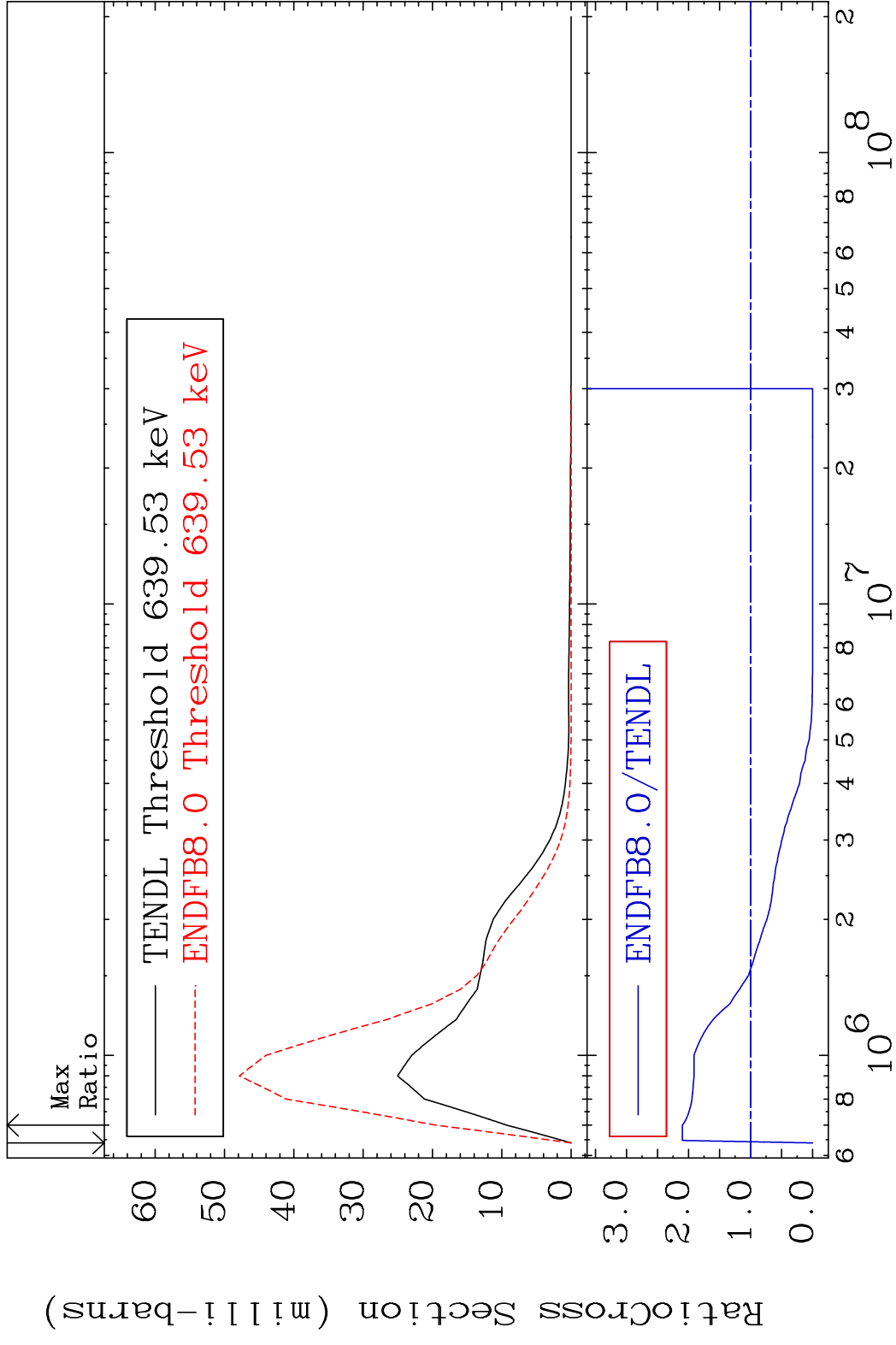
MAT 9543 MT= 74 (n, n') Level 95-Am-241
 Cross Section -100.0 To 81.75 %



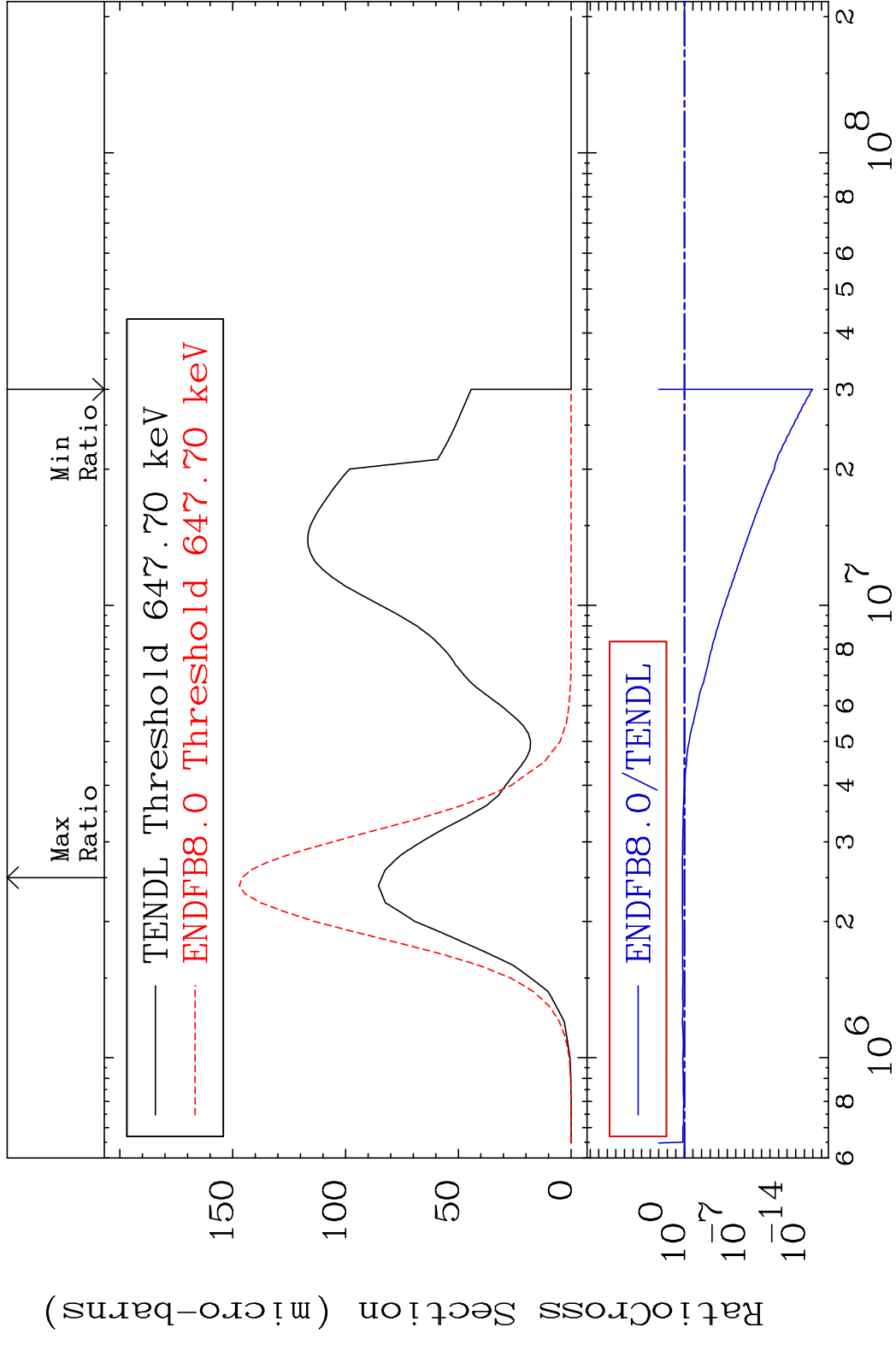
MAT 9543 MT= 75 (n, n') Level 95-Am-241
 Cross Section -100.0 To 33.51 %



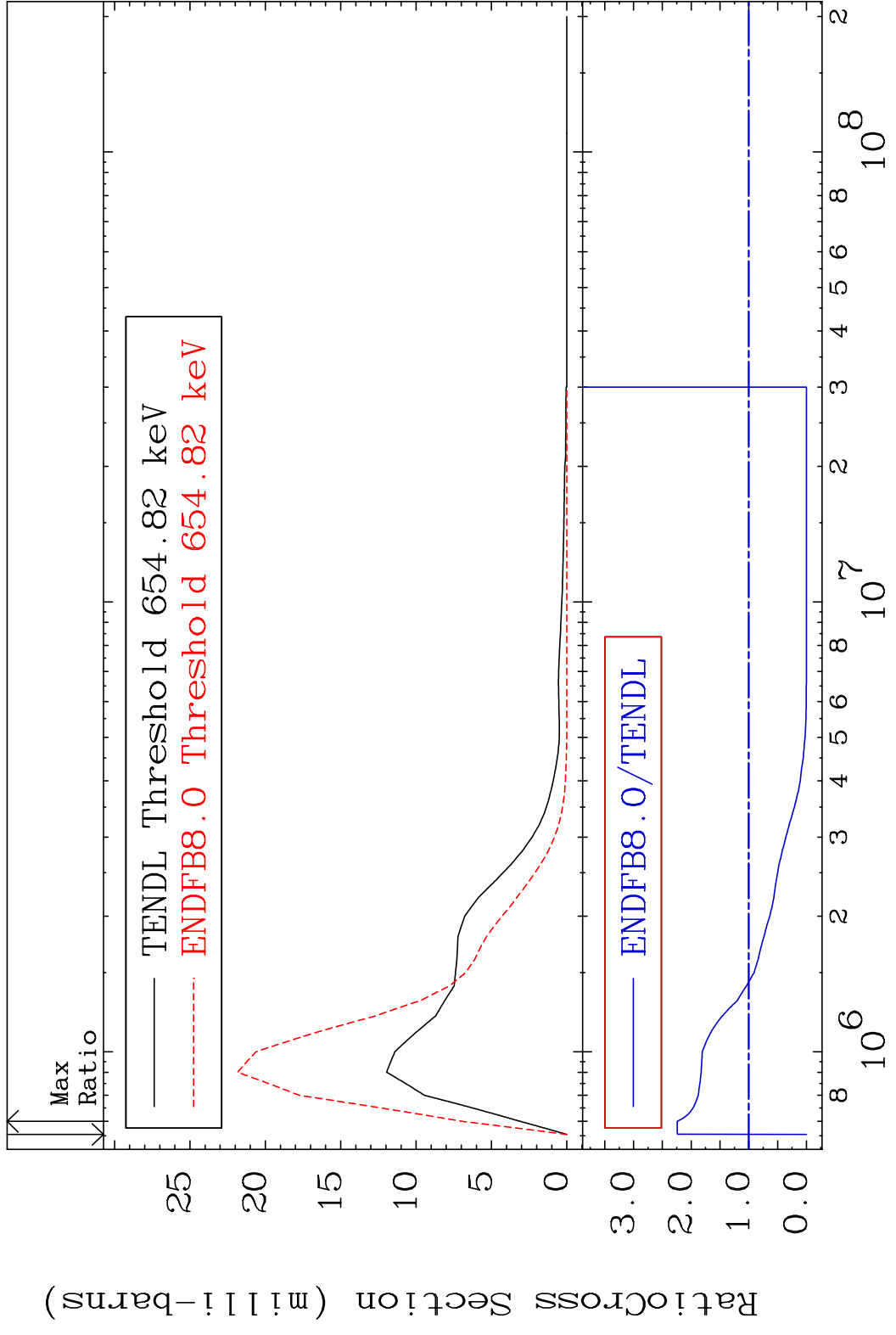
MAT 9543 MT= 76 (n,n') Level 95-Am-241
 Cross Section -100.0 To 110.0 %



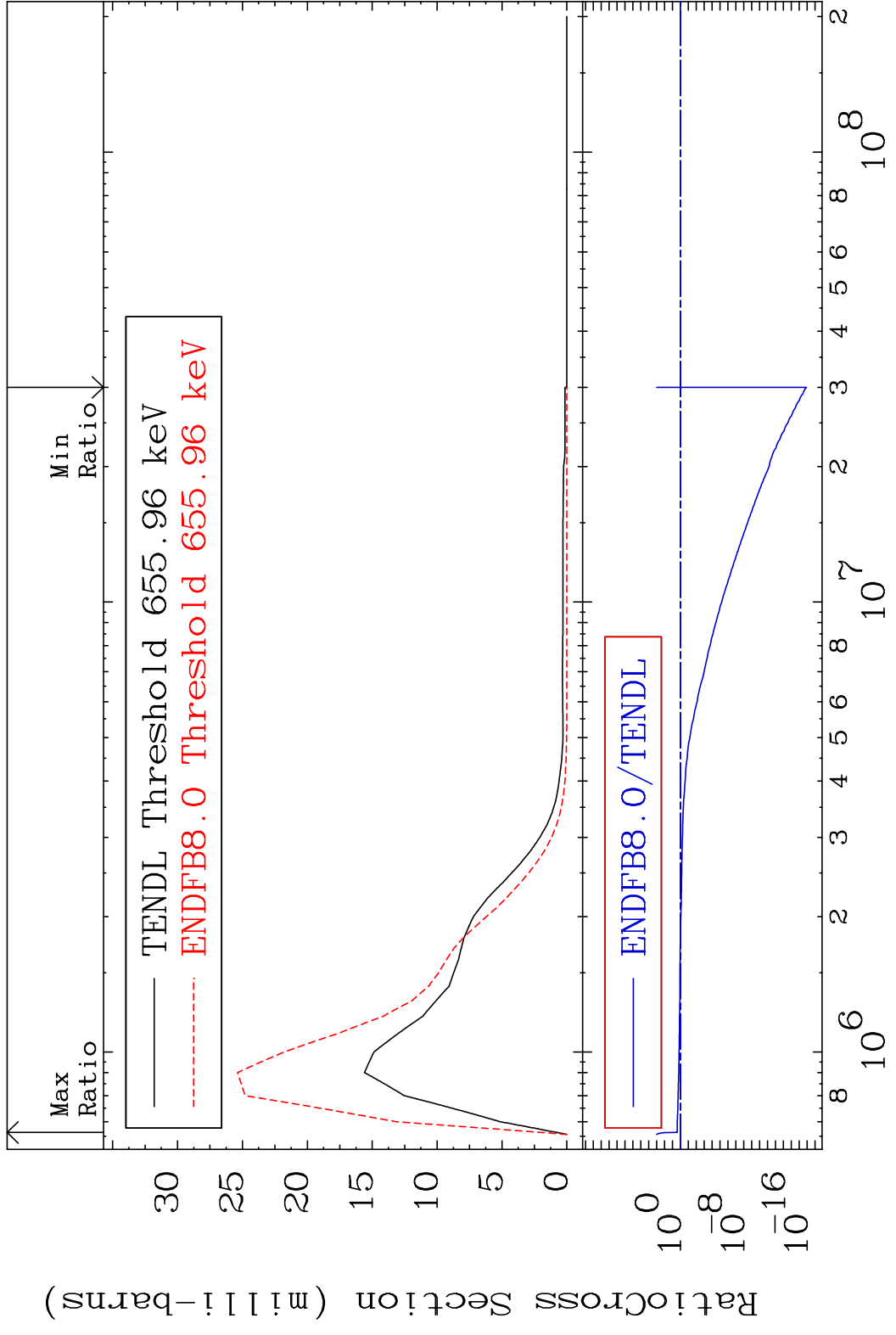
MAT 9543 MT= 77 (n, n') Level 95-Am-241
 Cross Section -100.0 To 73.76 %



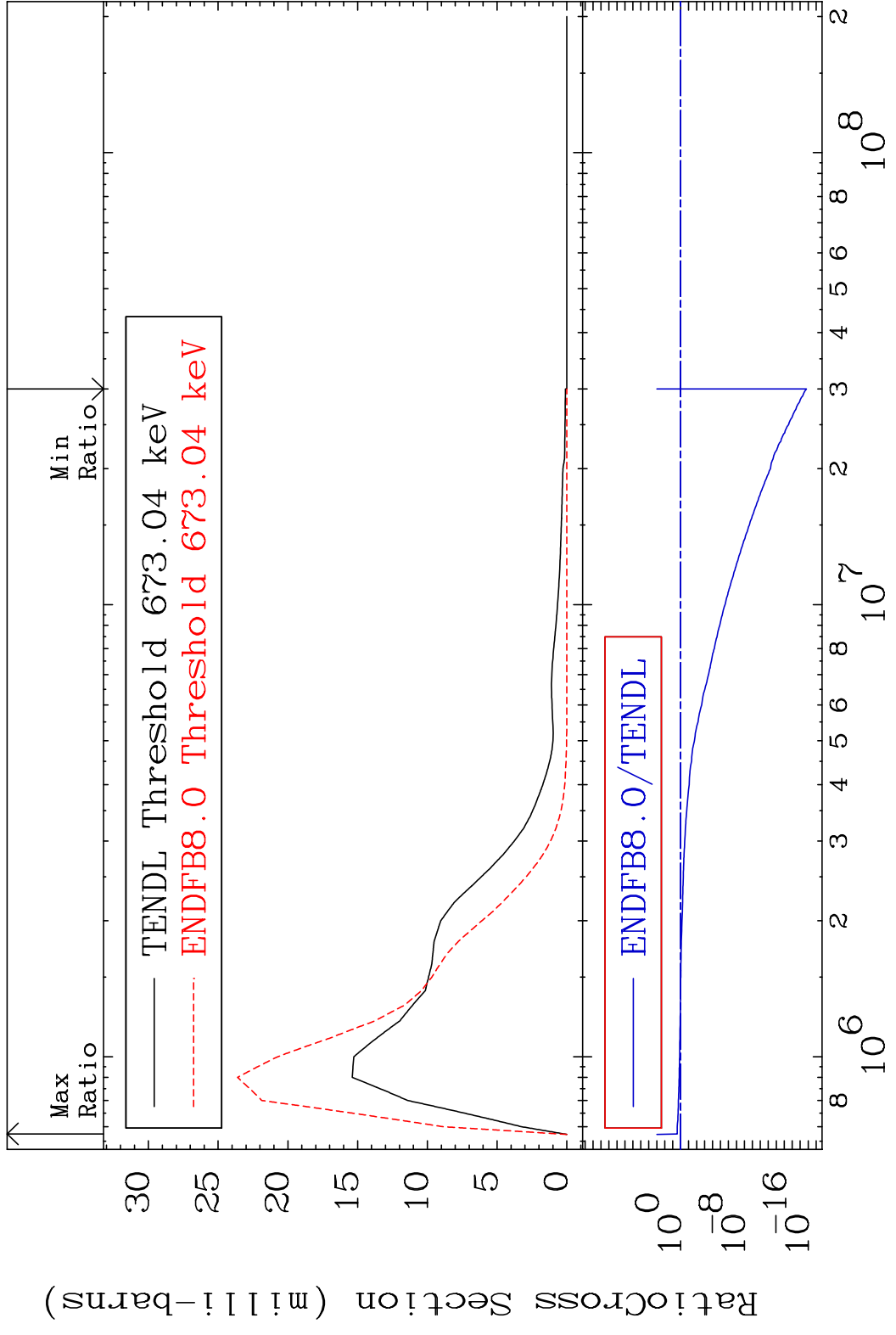
MAT 9543 MT= 78 (n,n') Level 95-Am-241
 Cross Section -100.0 To 124.3 %



MAT 9543 MT= 79 (n, n') Level 95-Am-241
 Cross Section -100.0 To 156.5 %



MAT 9543 MT= 80 (n, n') Level 95-Am-241
 Cross Section -100.0 To 172.7 %

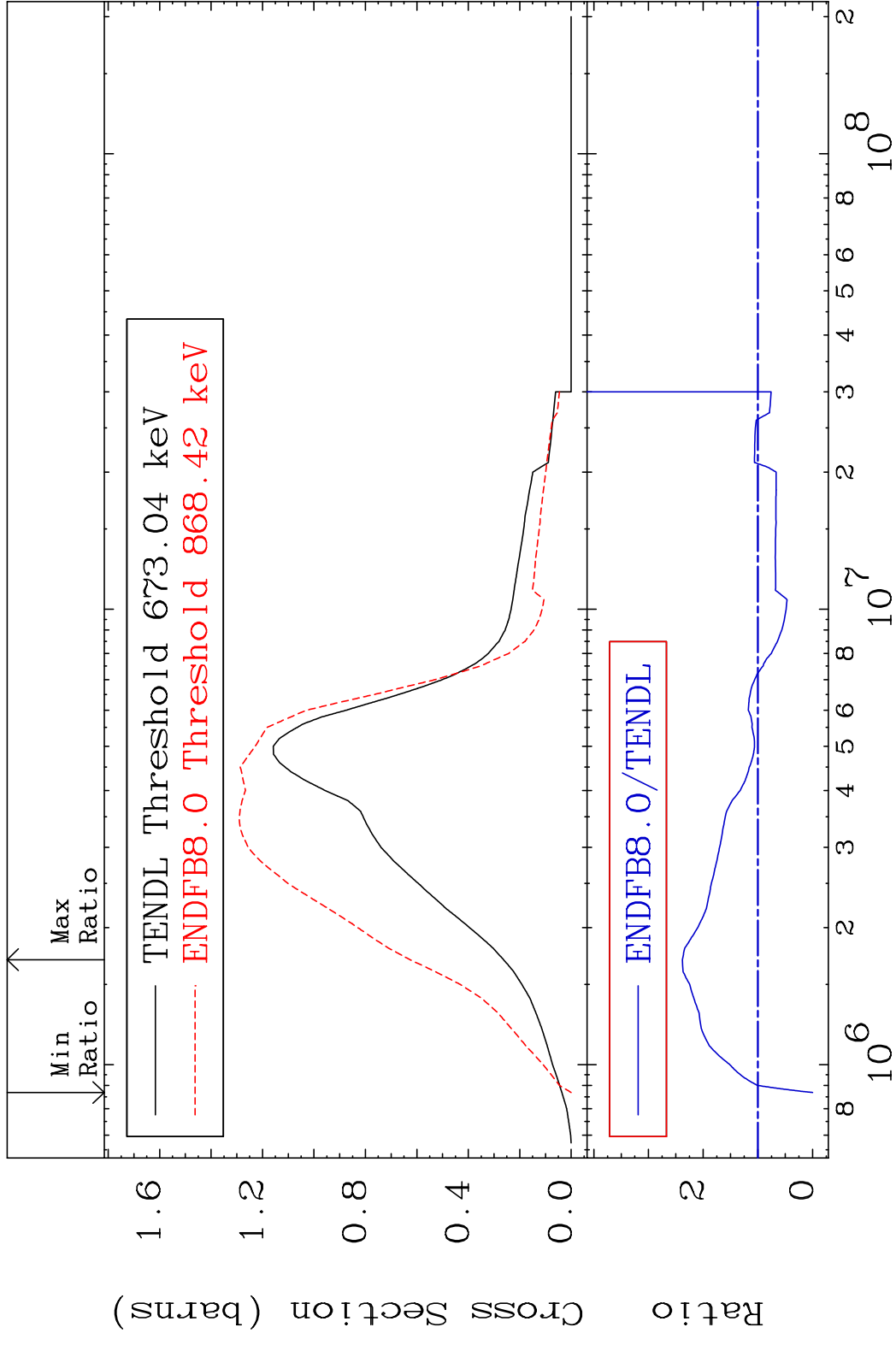


MAT 9543

(n, n') Continuum

95-Am-241

Cross Section -100.0 To 138.1 %

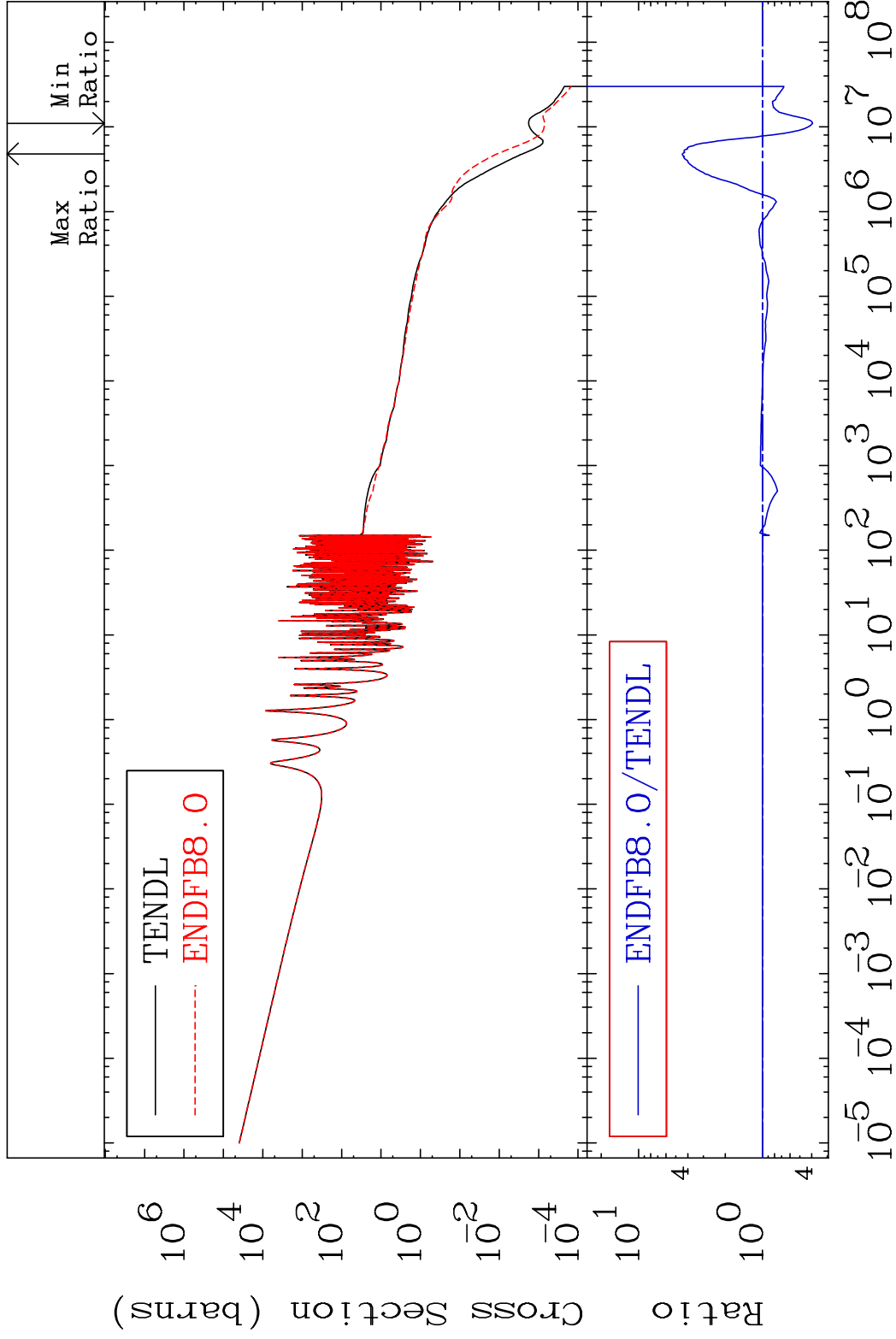


MAT 9543

(n, γ)

95-Am-241

Cross Section -60.61 To 343.2 %

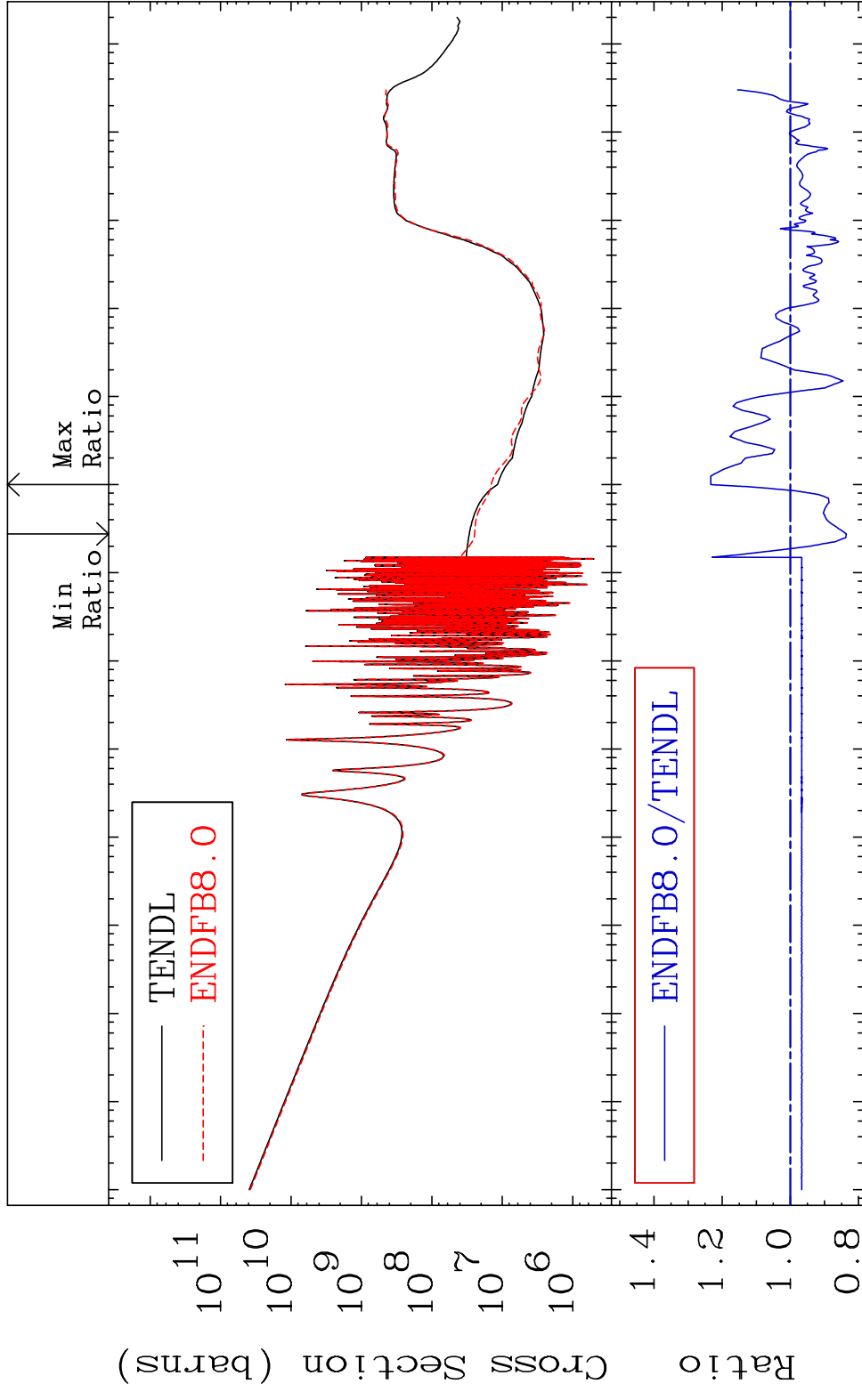


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Incident Energy (eV)

95-Am-241

MAT 9543 Kerma total (eV-barns) 95-Am-241
 Cross Section -16.41 To 23.36 %

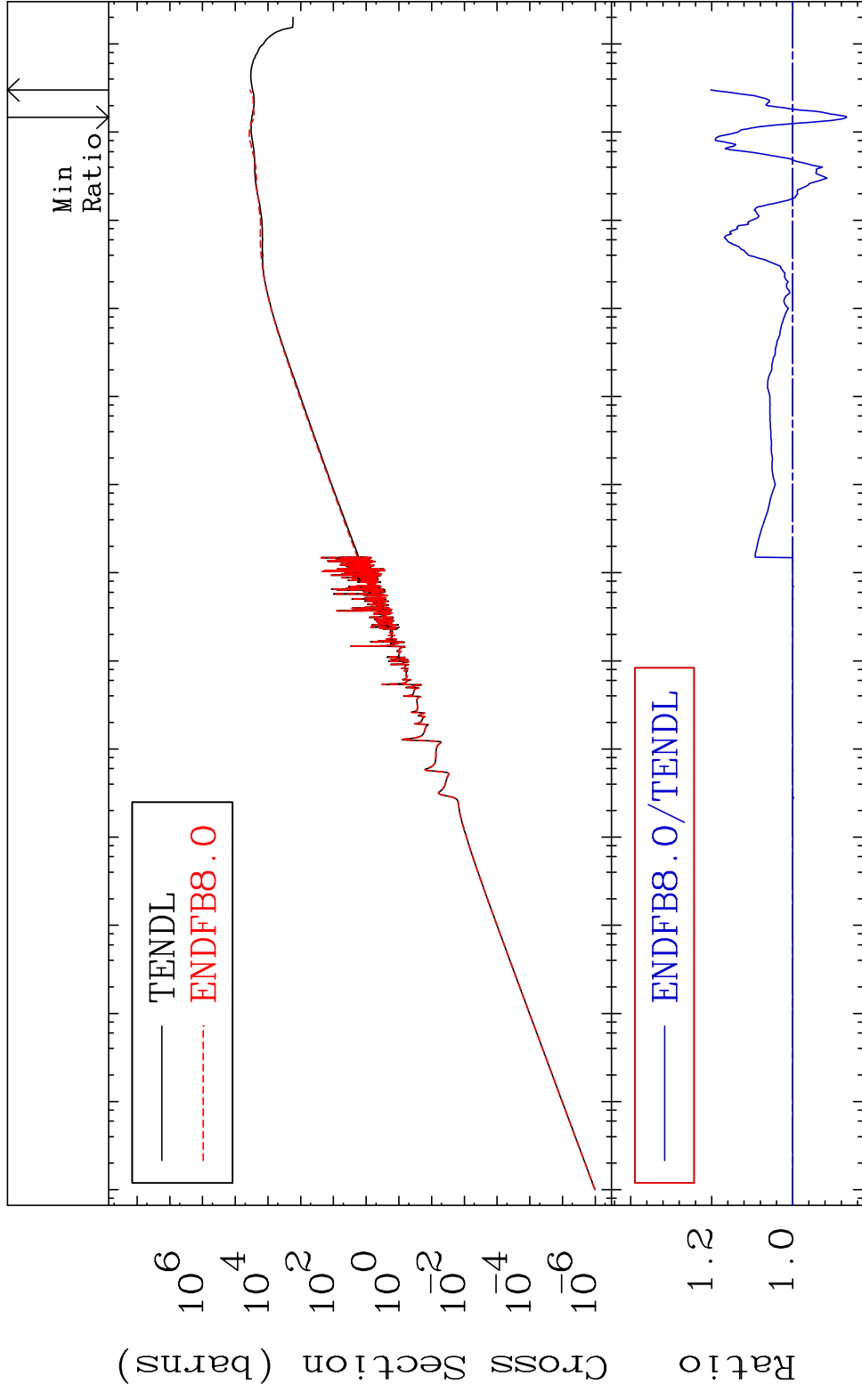


40 Incident Energy (eV) 95-Am-241

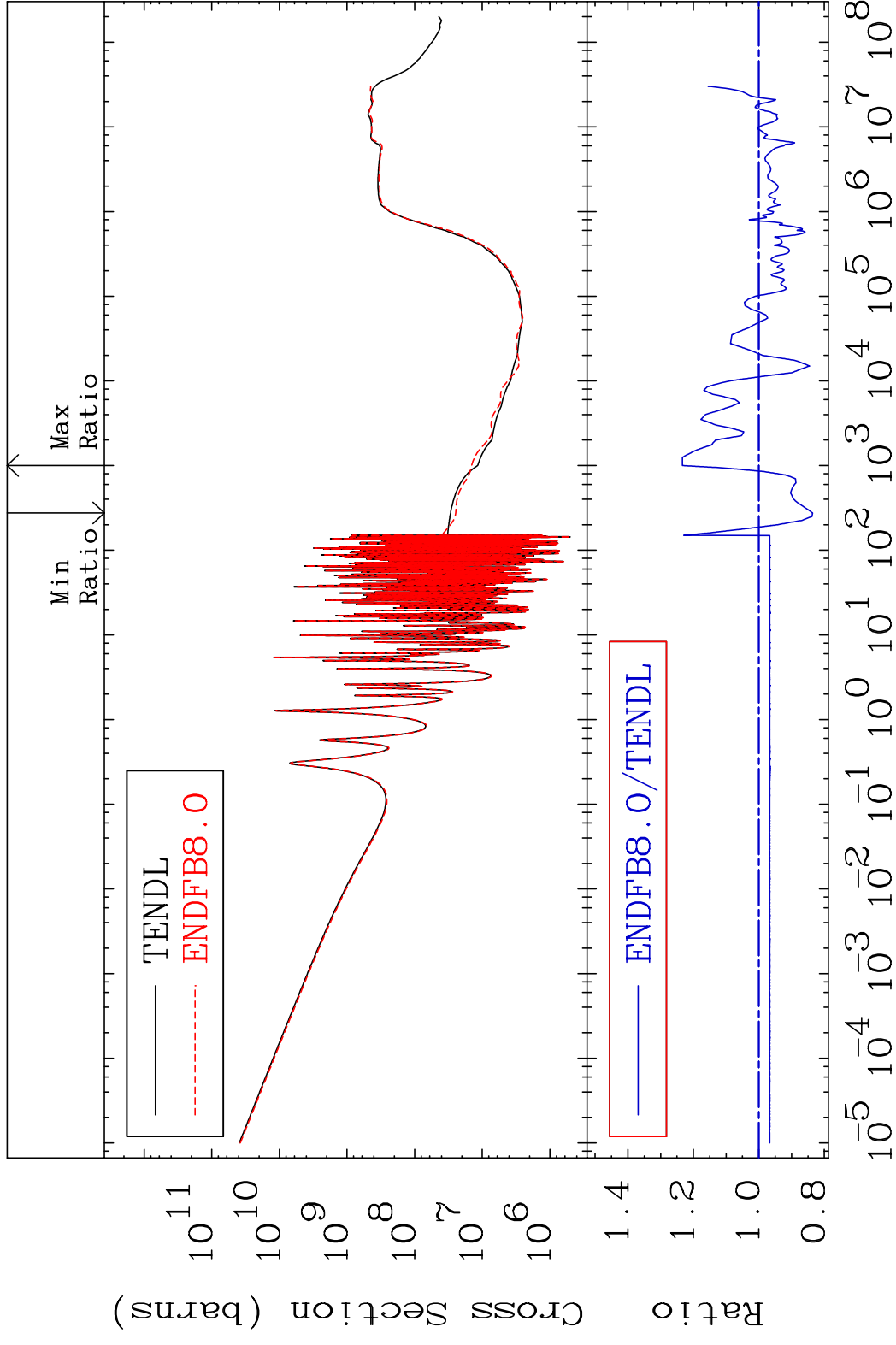
MAT 9543

Kerma elastic
Cross Section -13.24

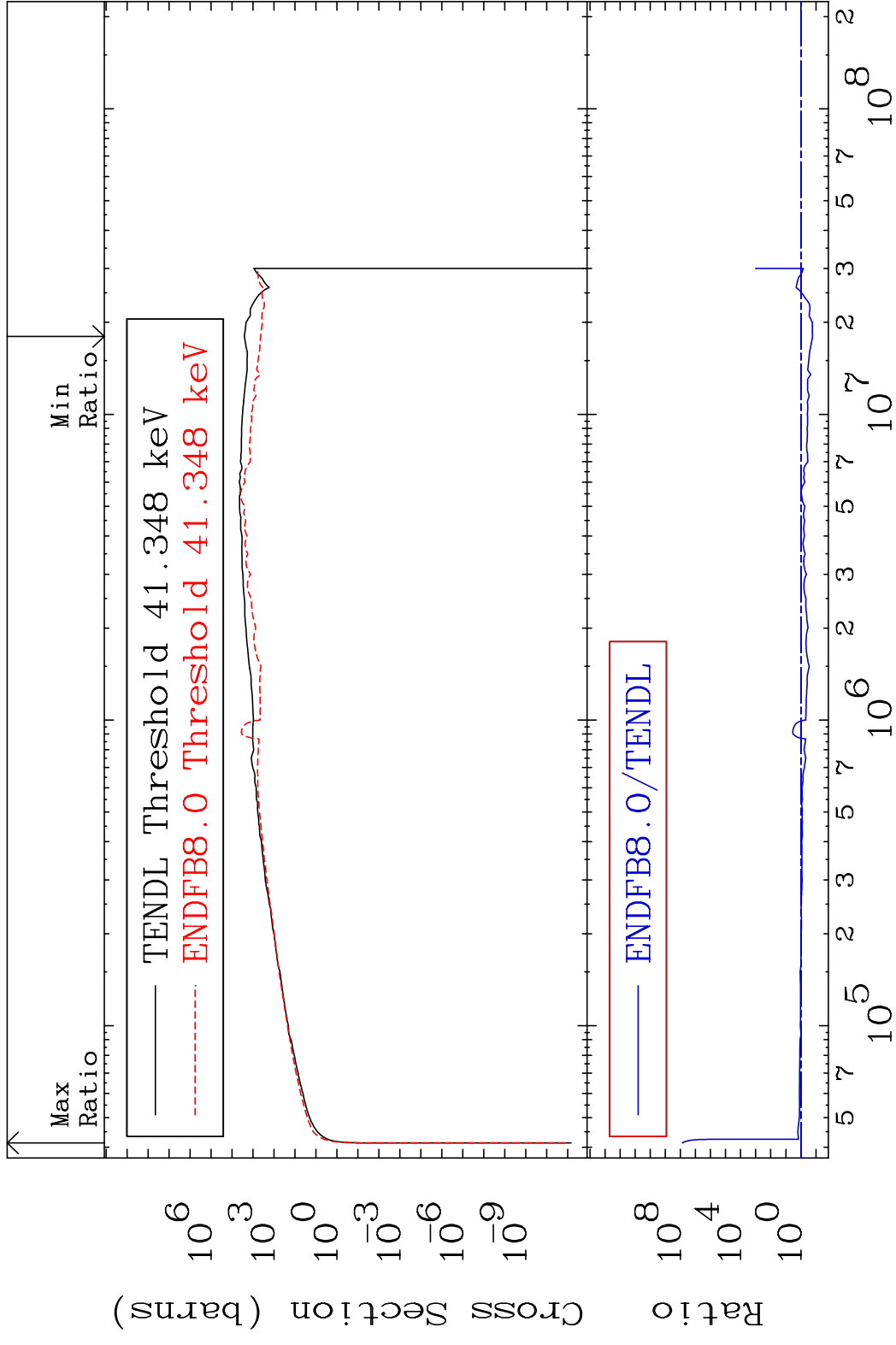
95-Am-241
To 20.24 %



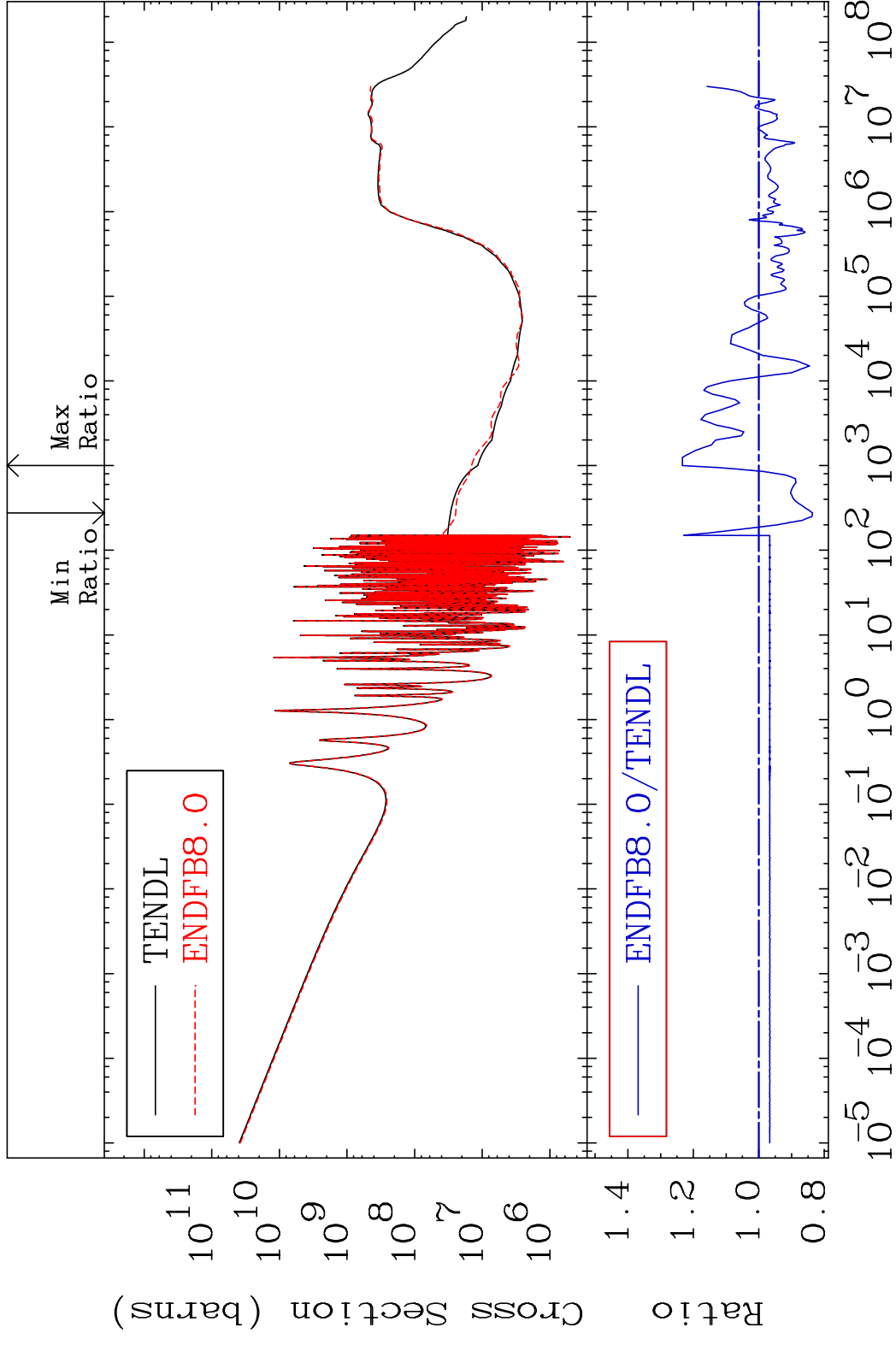
MAT 9543 Kerma non-elastic (all but mt2) 95-Am-241
 Cross Section -16.41 To 23.36 %



MAT 9543 Kerma inelastic (mt51-91) 95-Am-241
 Cross Section -83.19 To 9999. %

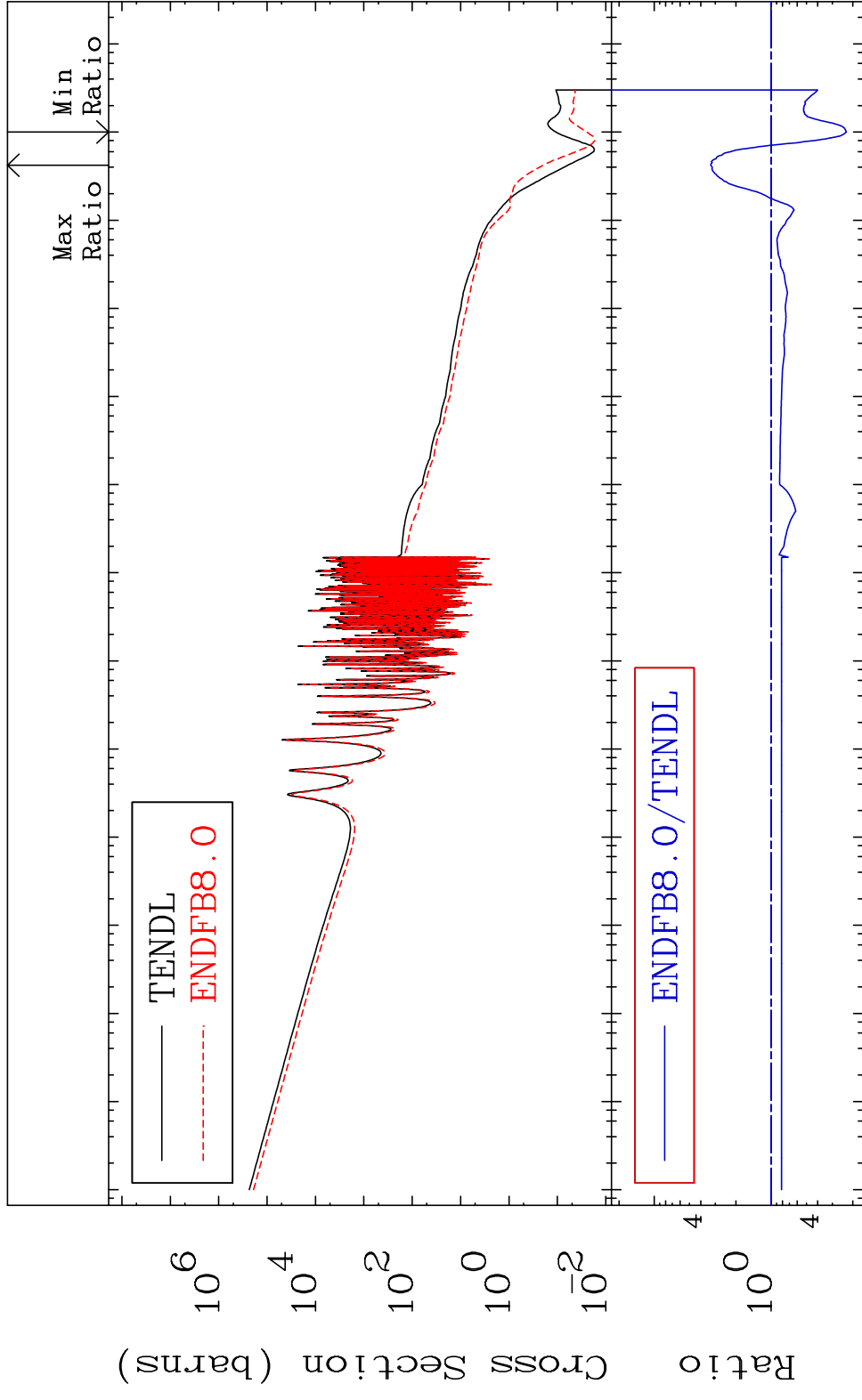


MAT 9543 Kerma fission (mt18 or mt19-20-21-38) 95-Am-241
 Cross Section -16.41 To 23.36 %



MAT 9543

Kerma capture (mt102) 95-Am-241
Cross Section -77.23 To 228.9 %

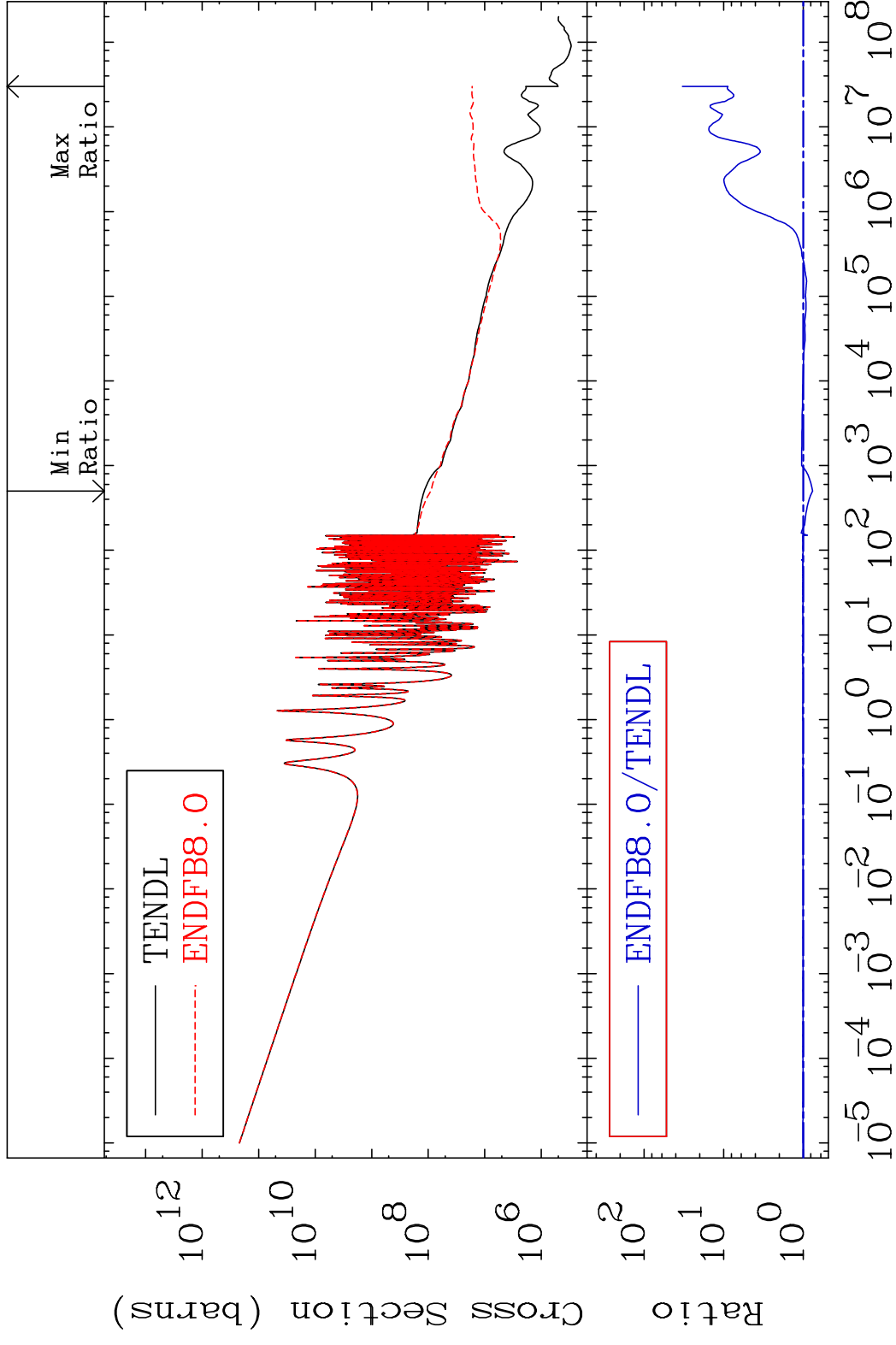


45

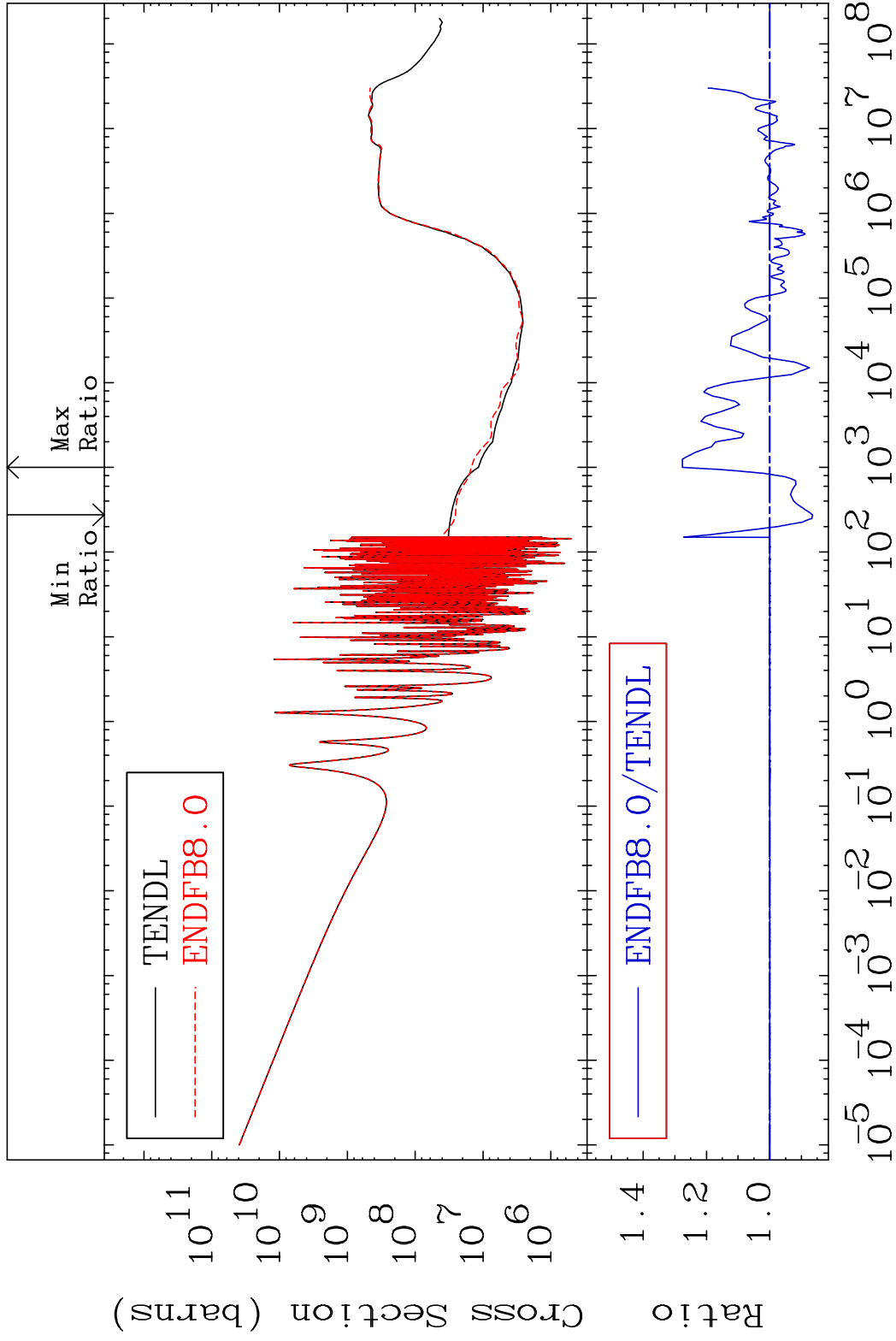
Incident Energy (eV)

95-Am-241

MAT 9543 Total photon (eV-barns) 95-Am-241
 Cross Section -23.85 To 3206. %



MAT 9543 Total kinematic kerma (high limit) 95-Am-241
 Cross Section -13.52 To 27.63 %

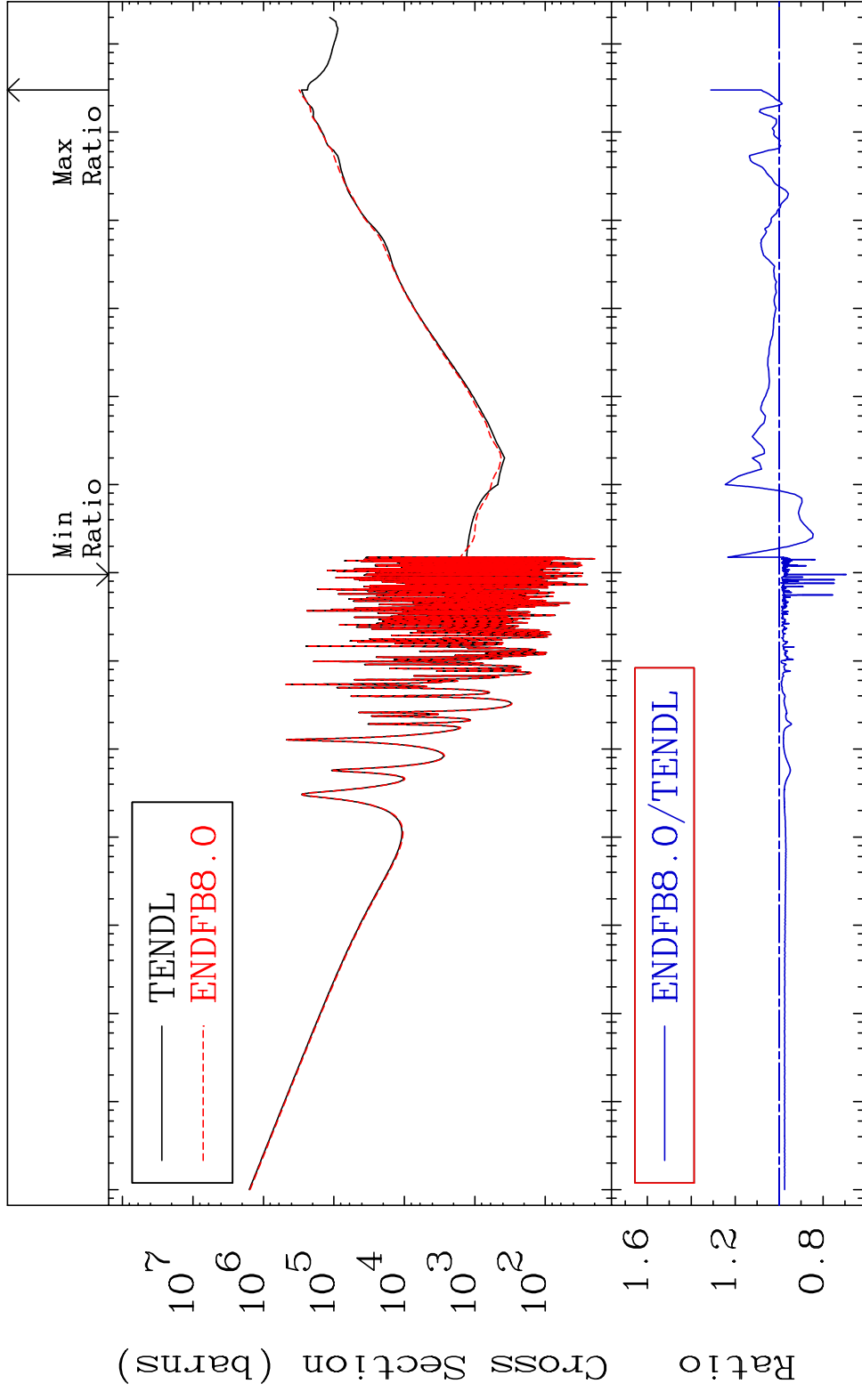


MAT 9543

Dpa total (eV-barns)

95-Am-241

Cross Section -30.60 To 31.12 %

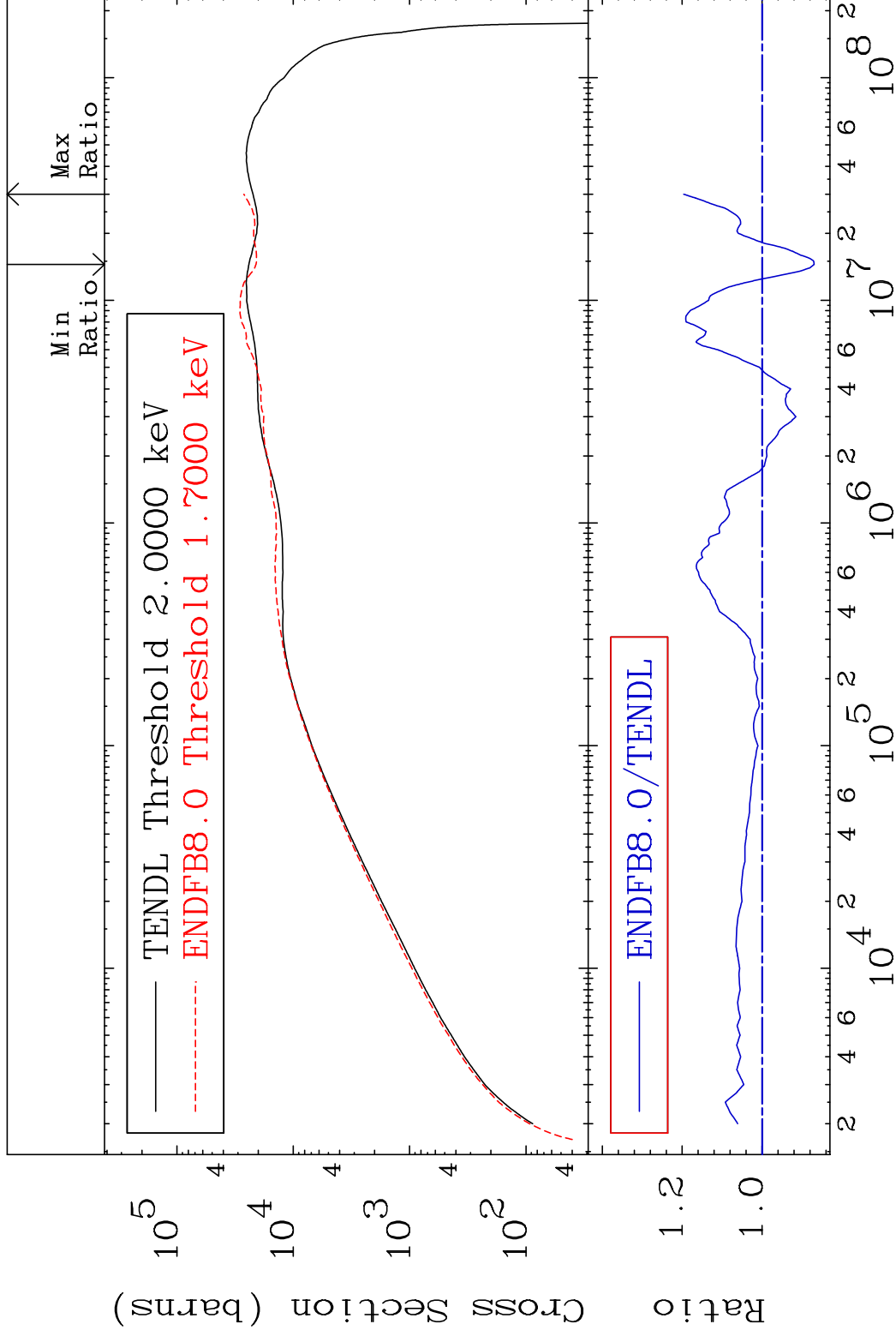


MAT 9543

Dpa elastic (mt2)

95-Am-241

Cross Section -13.00 To 19.64 %

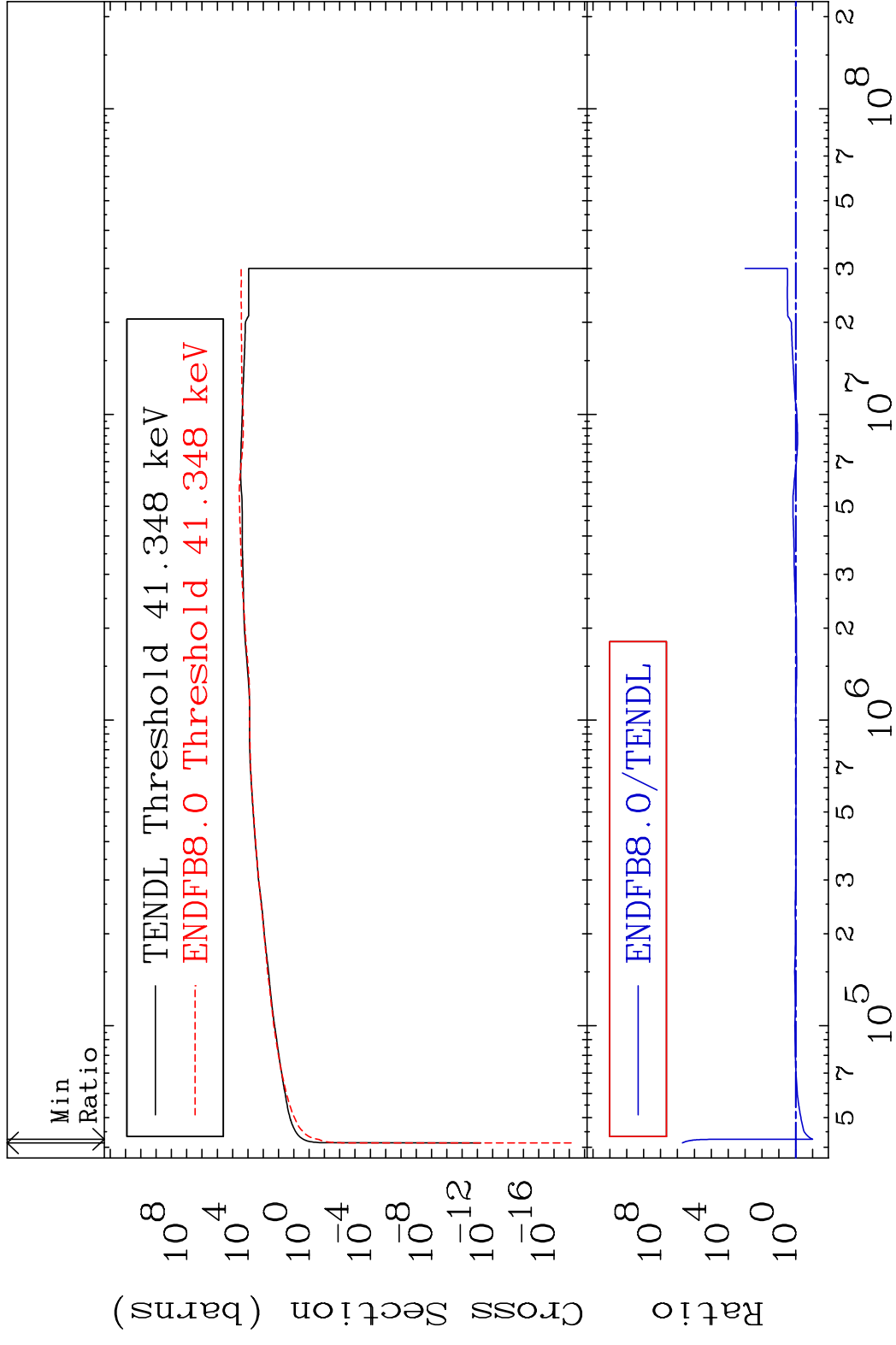


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Incident Energy (eV)

95-Am-241

MAT 9543 Dpa inelastic (mt51-91) 95-Am-241
 Cross Section -89.88 To 9999. %



MAT 9543 Dpa disappearance (mt102 -120) 95-Am-241
 Cross Section -100.0 To 97.53 %

