

Program Complot
(Version 2021-1)

by

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U.S.A.

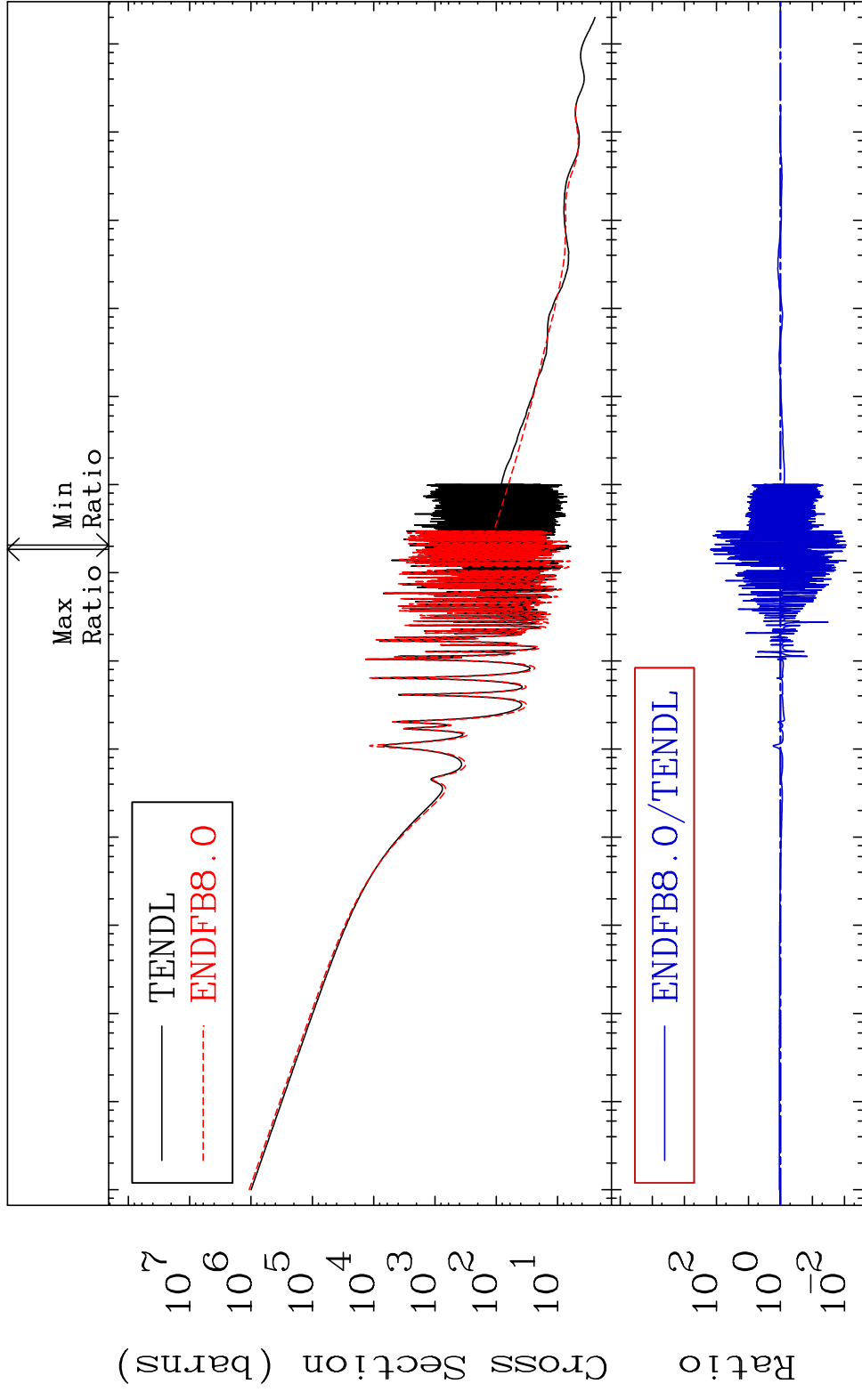
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6246

Total Cross Section -99.12 To 9999. %
62-Sm-151



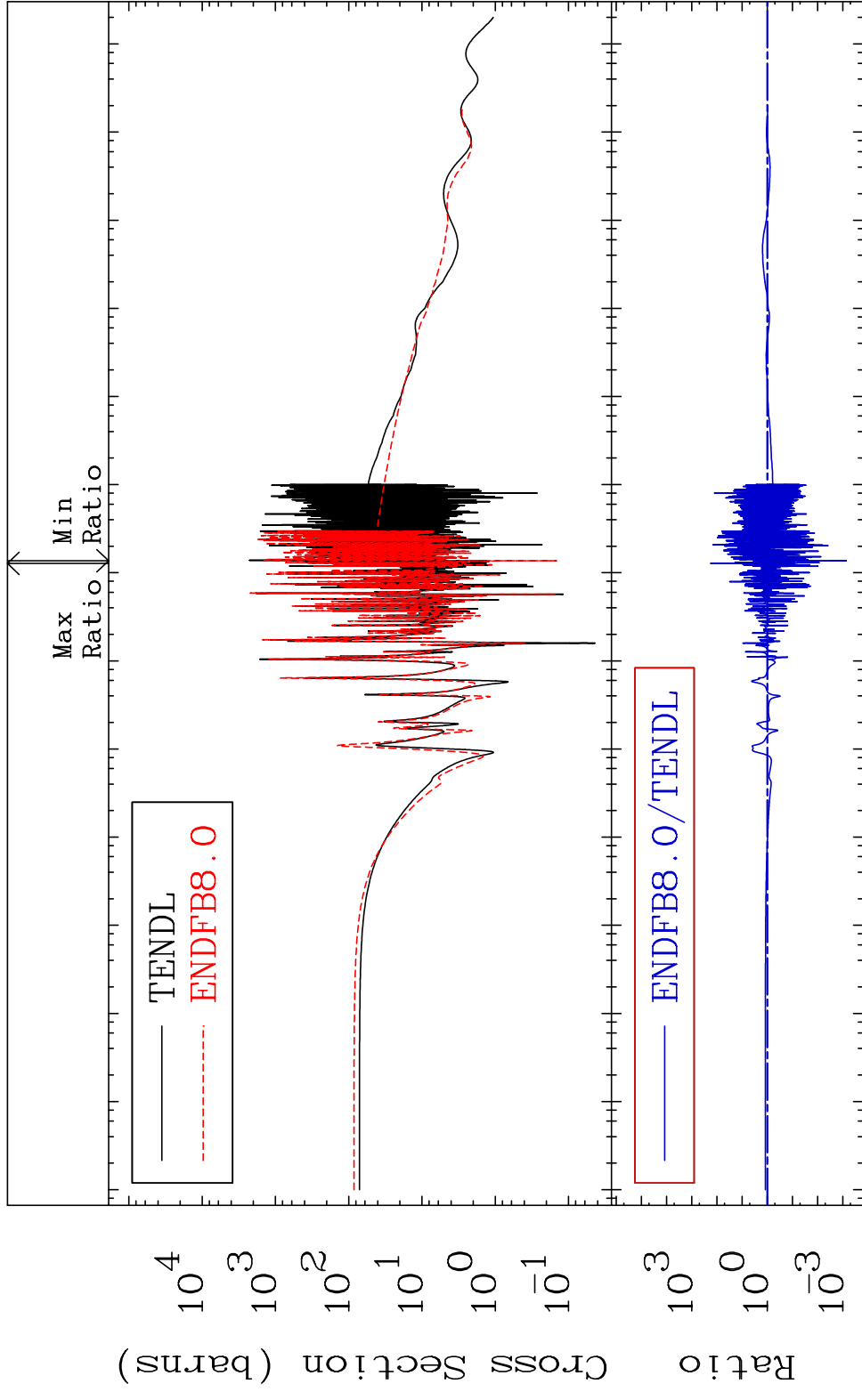
1 Incident Energy (eV) 62-Sm-151

MAT 6246

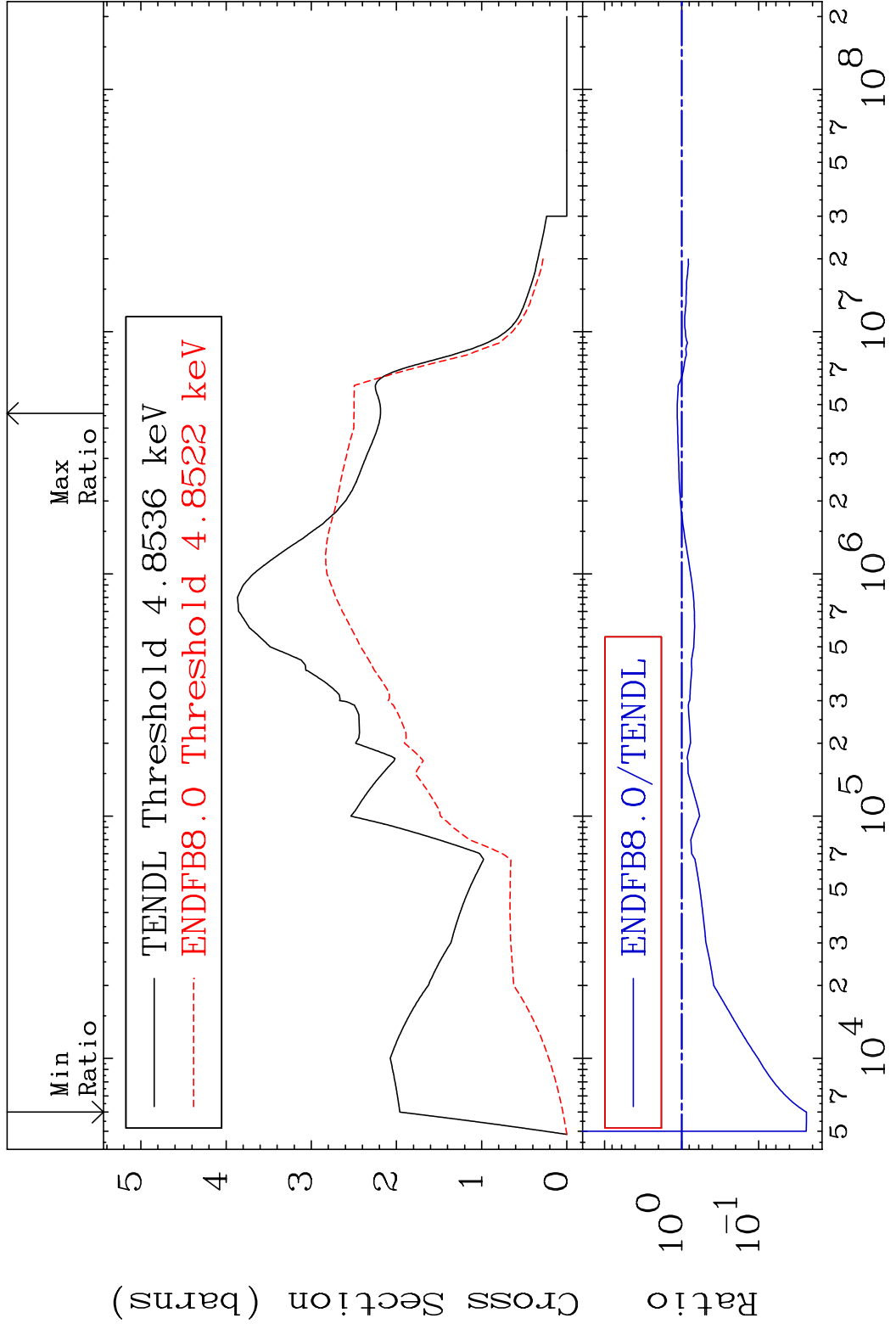
Elastic

62-Sm-151

Cross Section -99.93 To 9999. %



MAT 6246 Inelastic Cross Section -97.59 To 14.25 % 62-Sm-151

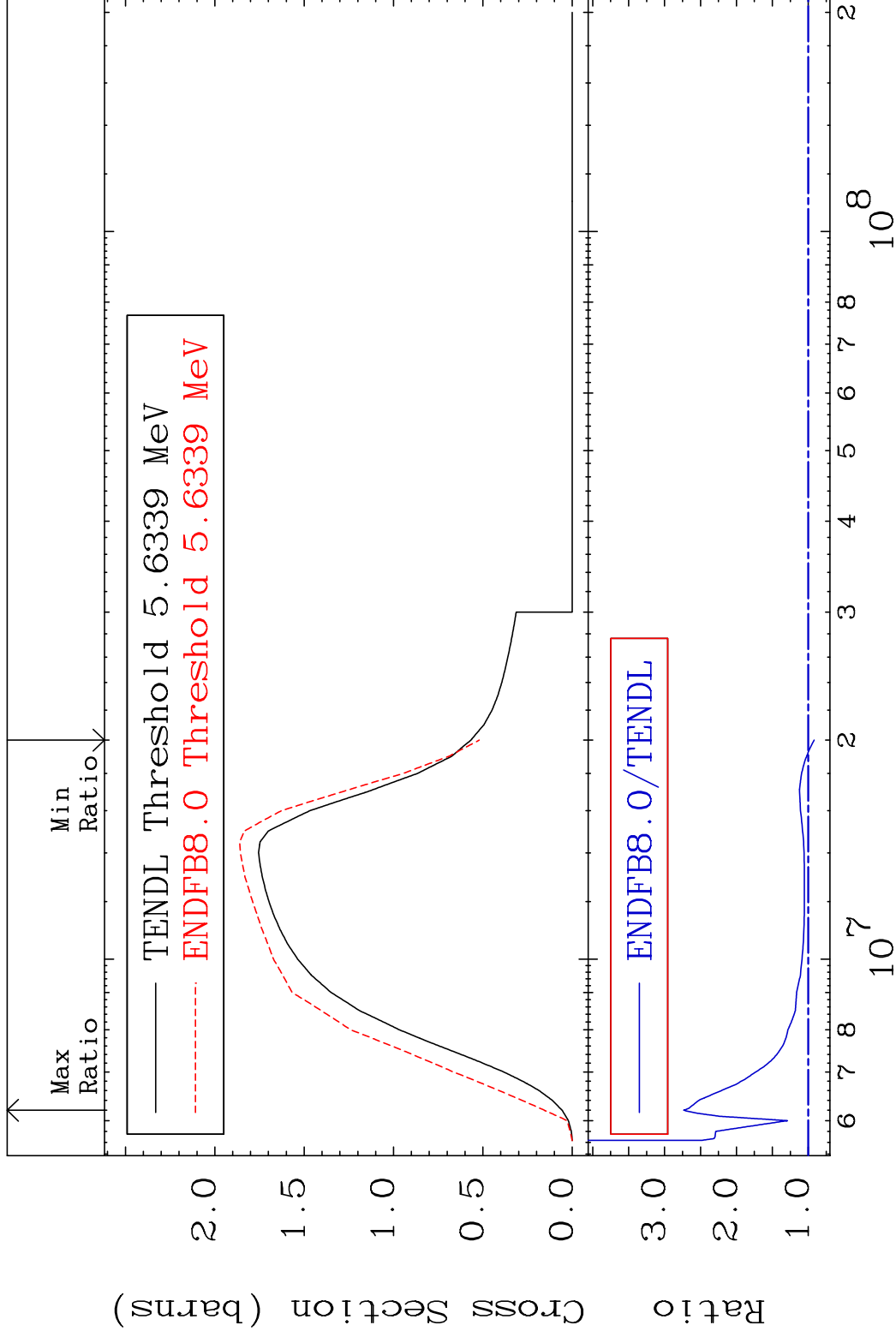


MAT 6246

(n,2n)

62-Sm-151

Cross Section -8.135 To 173.4 %



4

Incident Energy (eV)

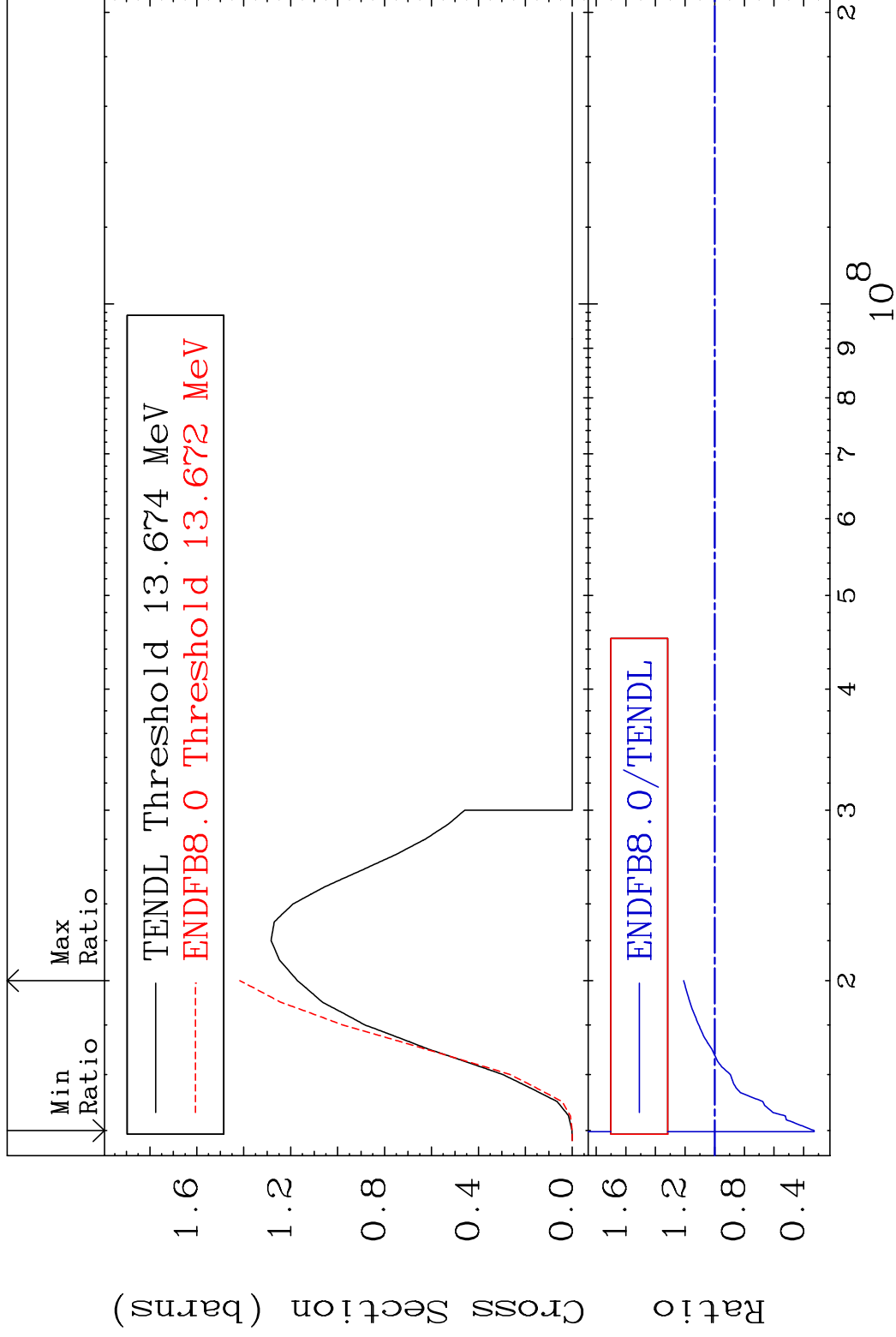
62-Sm-151

MAT 6246

(n,3n)

62-Sm-151

Cross Section -67.08 To 20.97 %



5

Incident Energy (eV)

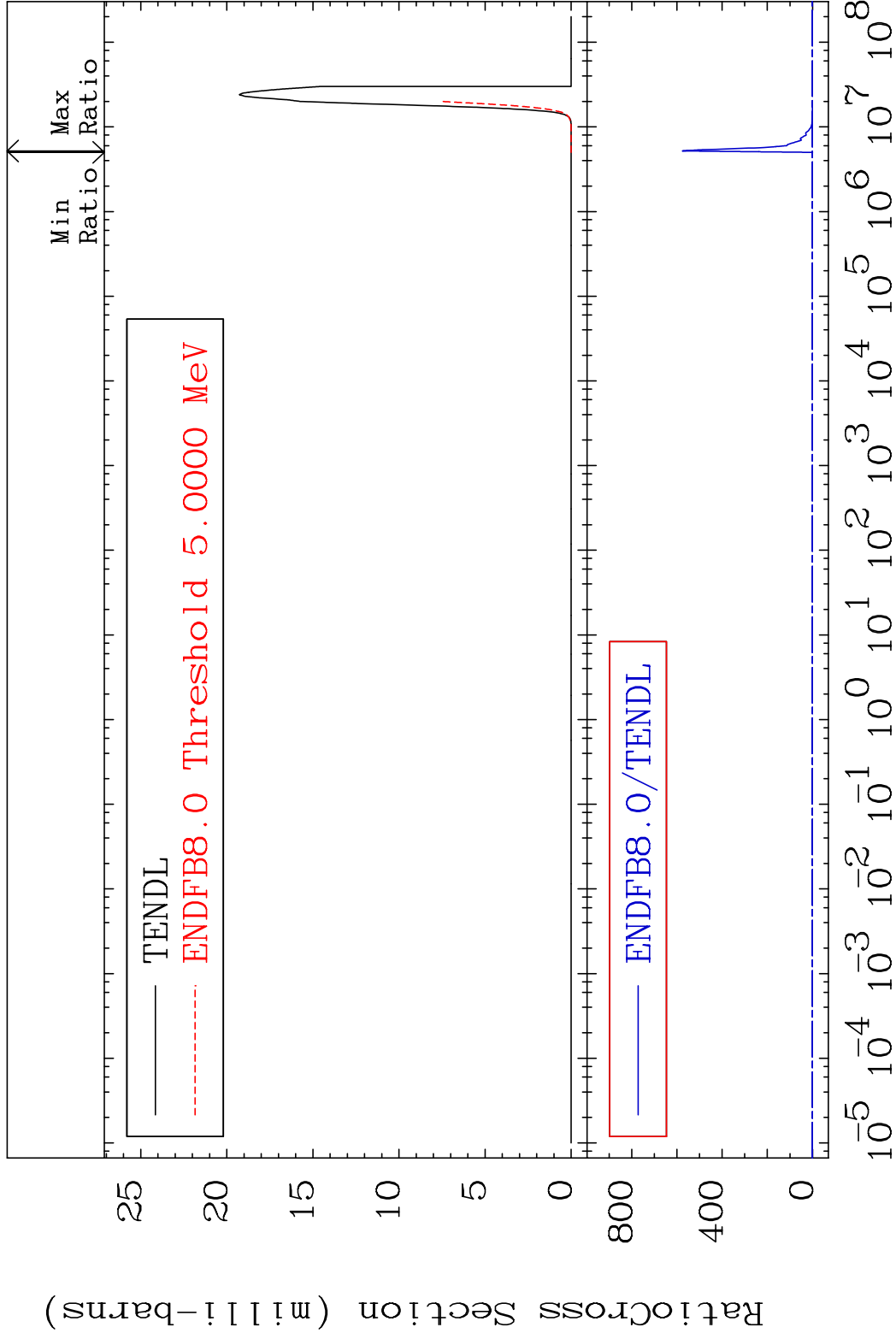
62-Sm-151

MAT 6246

(n, n') α

62-Sm-151

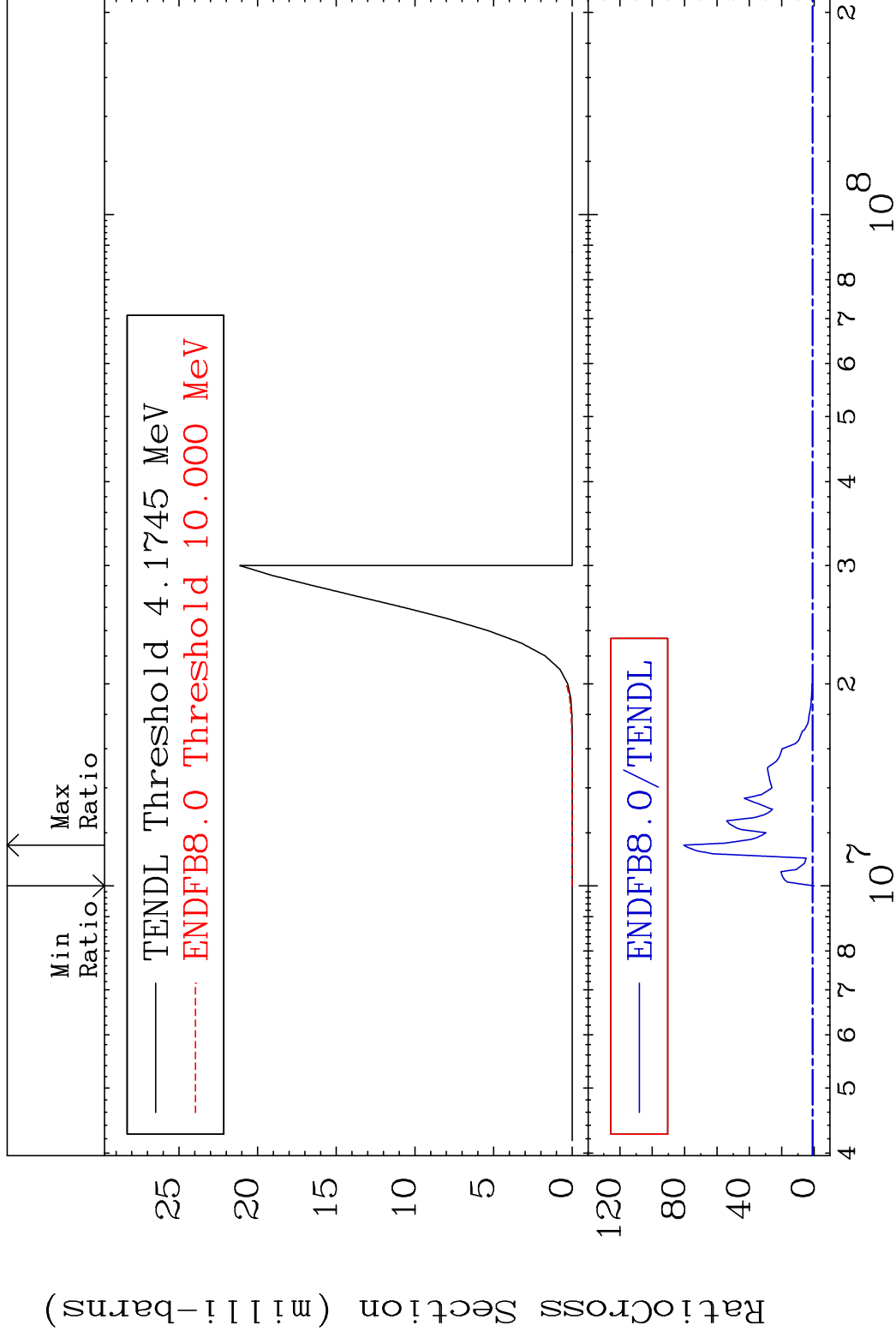
Cross Section -100.0 To 9999. %



MAT 6246

(n,2n) α 62-Sm-151

Cross Section -100.0 To 7960. %



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Incident Energy (eV)

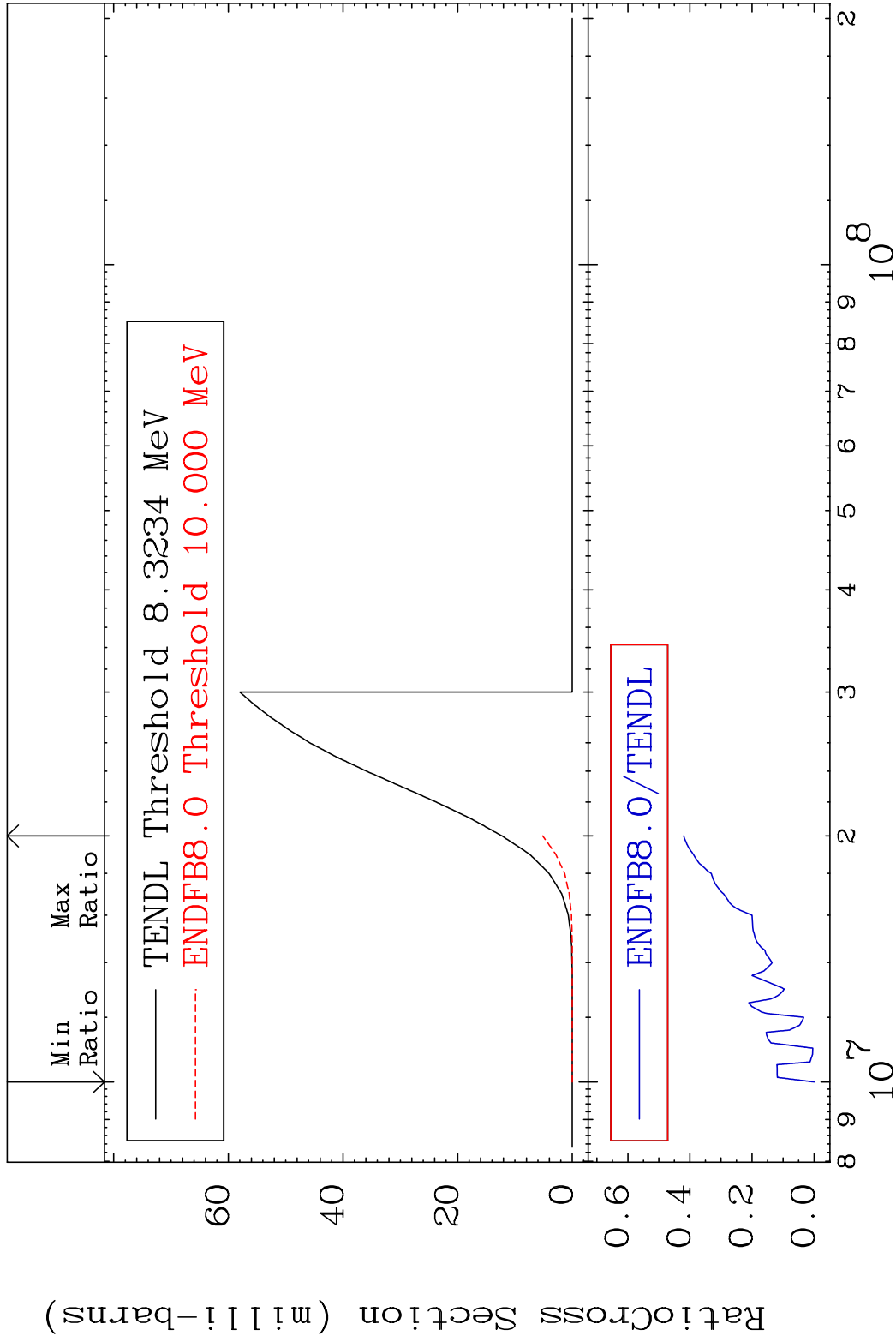
62-Sm-151

MAT 6246

(n, n') p

62-Sm-151

Cross Section -100.0 To -57.98%

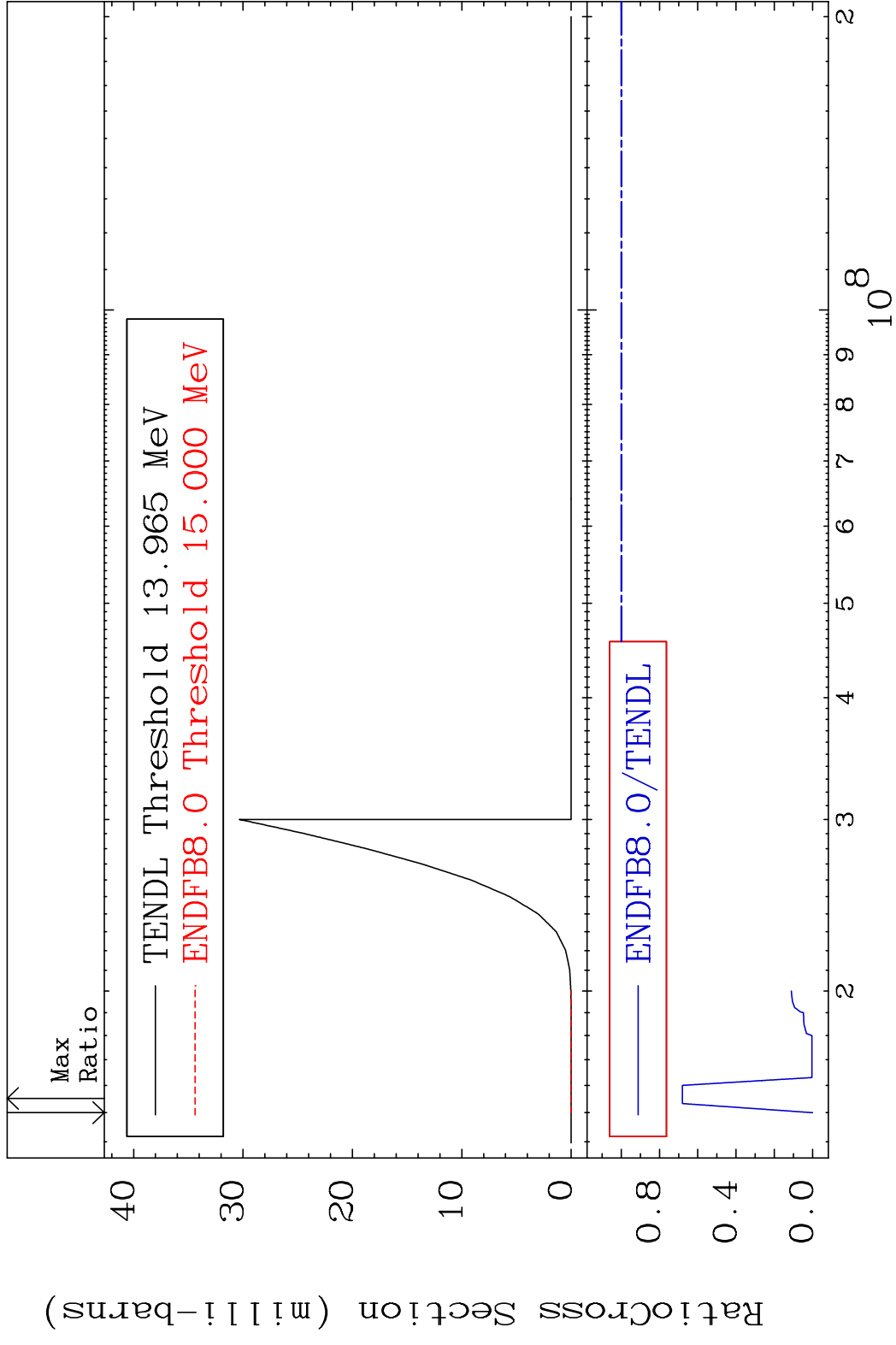


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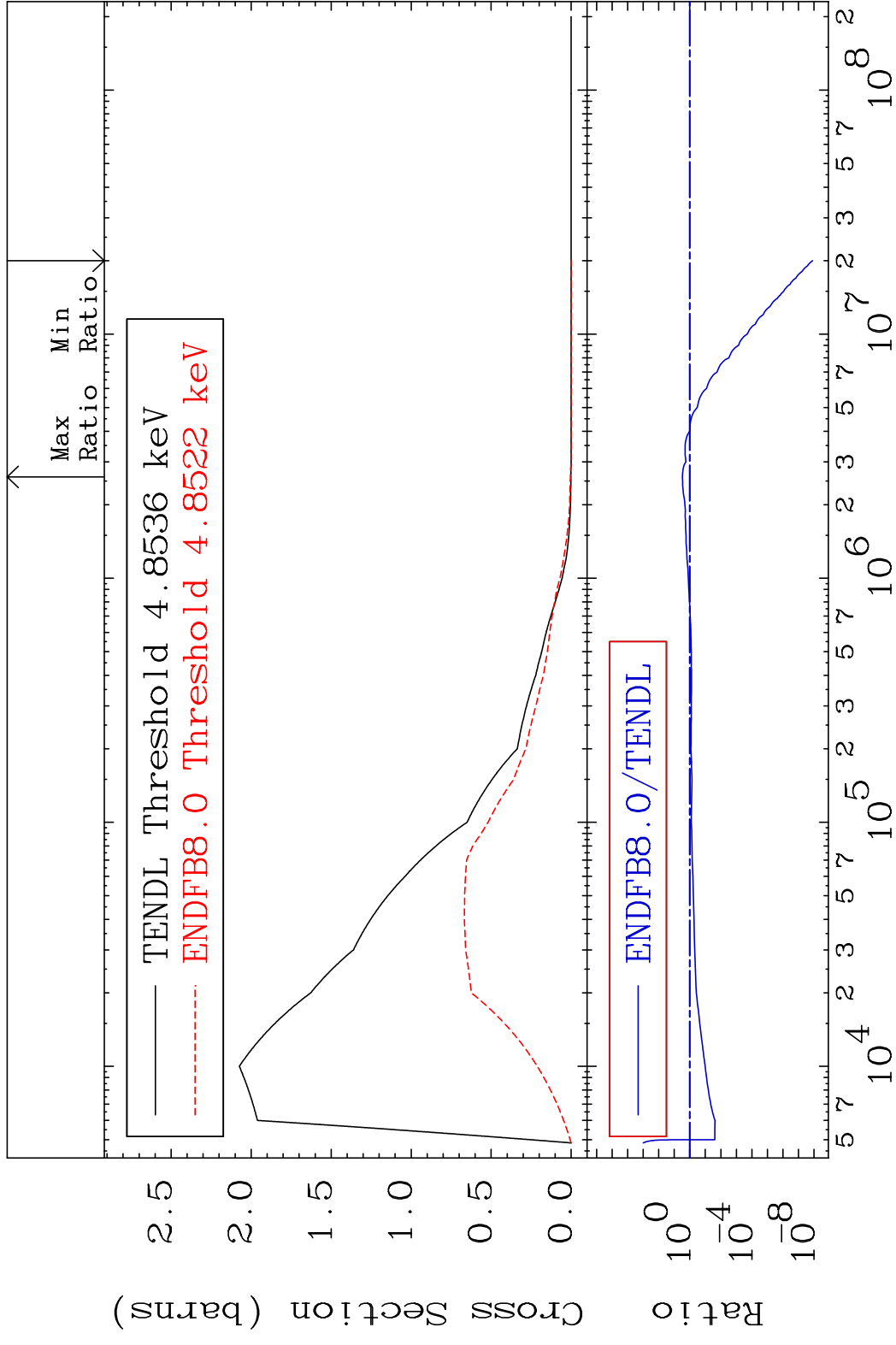
Incident Energy (eV)

62-Sm-151

MAT 6246 (n,2n) p 62-Sm-151
 Cross Section -100.0 To -31.94%

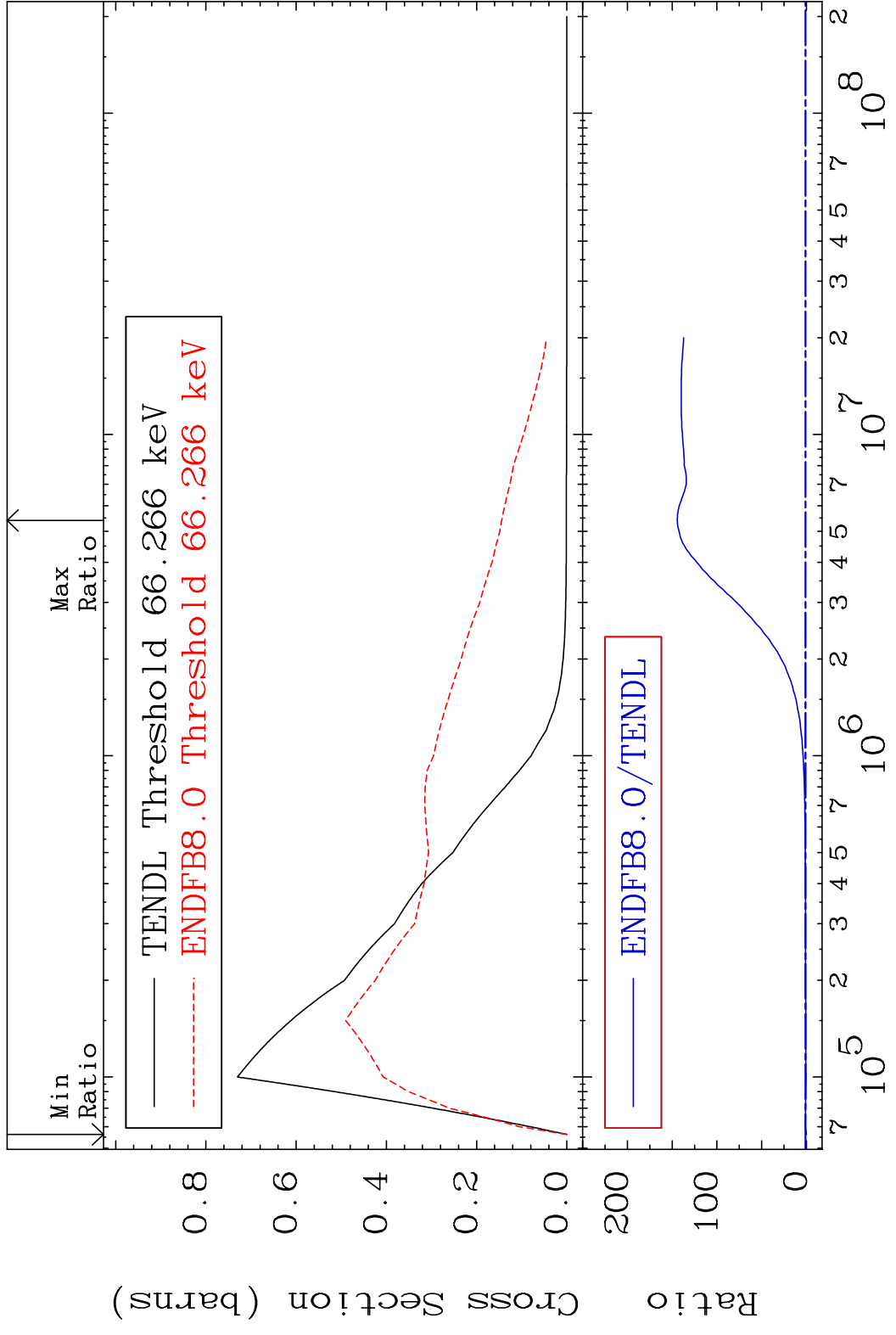


MAT 6246 MT= 51 (n,n') Level 62-Sm-151
 Cross Section -100.0 To 200.6 %

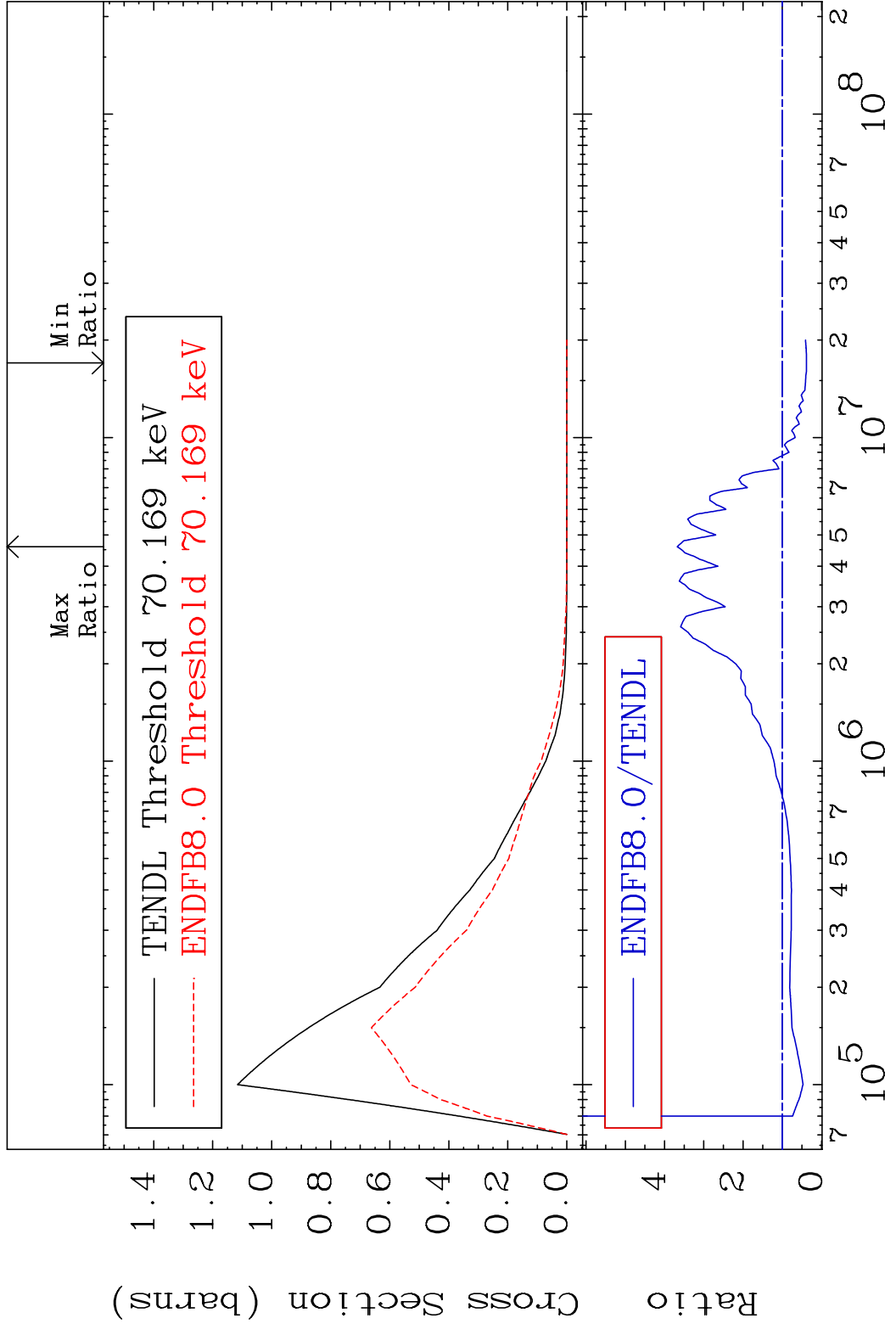


10 Incident Energy (eV) 62-Sm-151

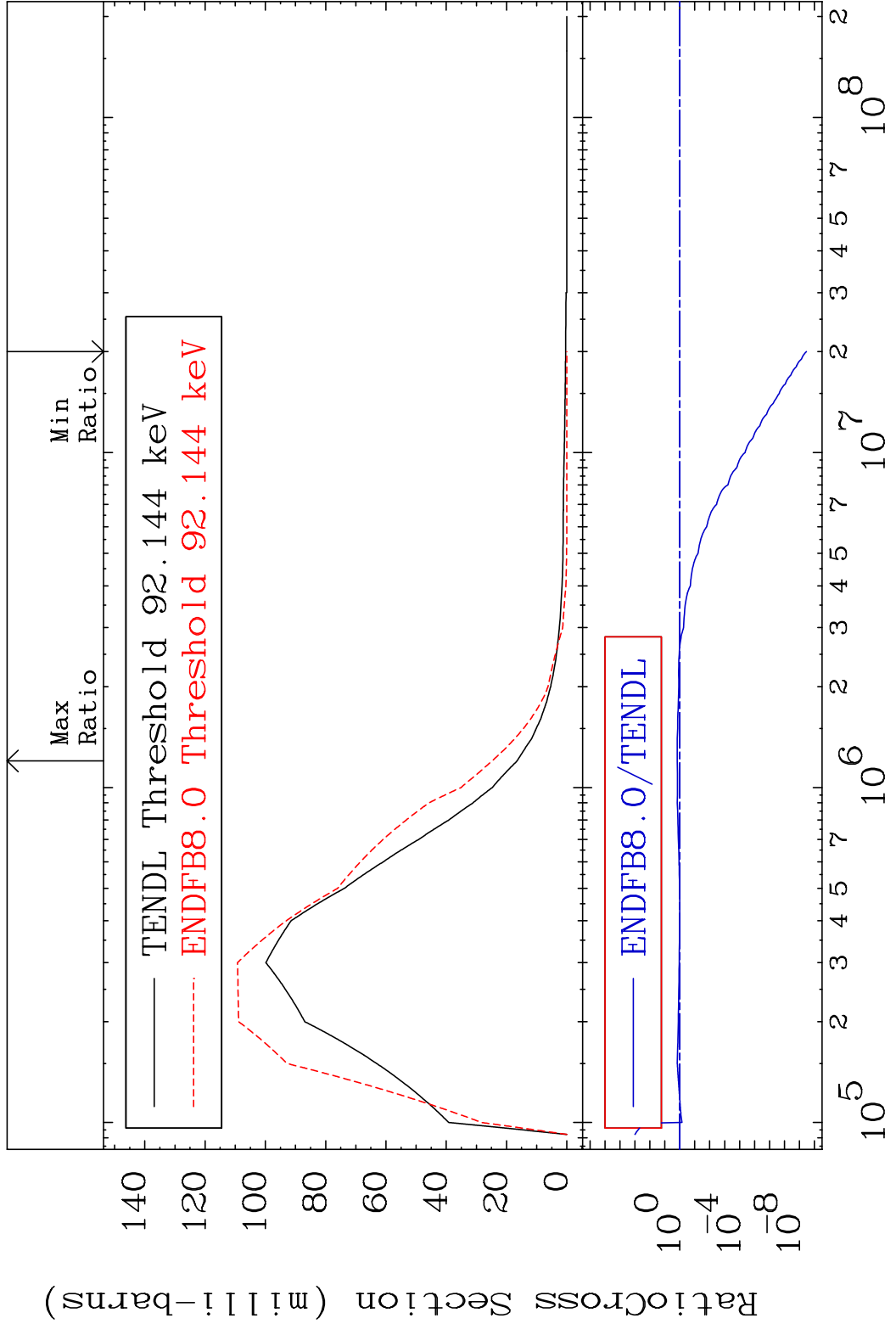
MAT 6246 MT= 52 (n, n') Level 62-Sm-151
 Cross Section -100.0 To 9999. %



MAT 6246 MT= 53 (n, n') Level 62-Sm-151
 Cross Section -61.35 To 267.8 %



MAT 6246 MT= 54 (n,n') Level 62-Sm-151
 Cross Section -100.0 To 49.96 %



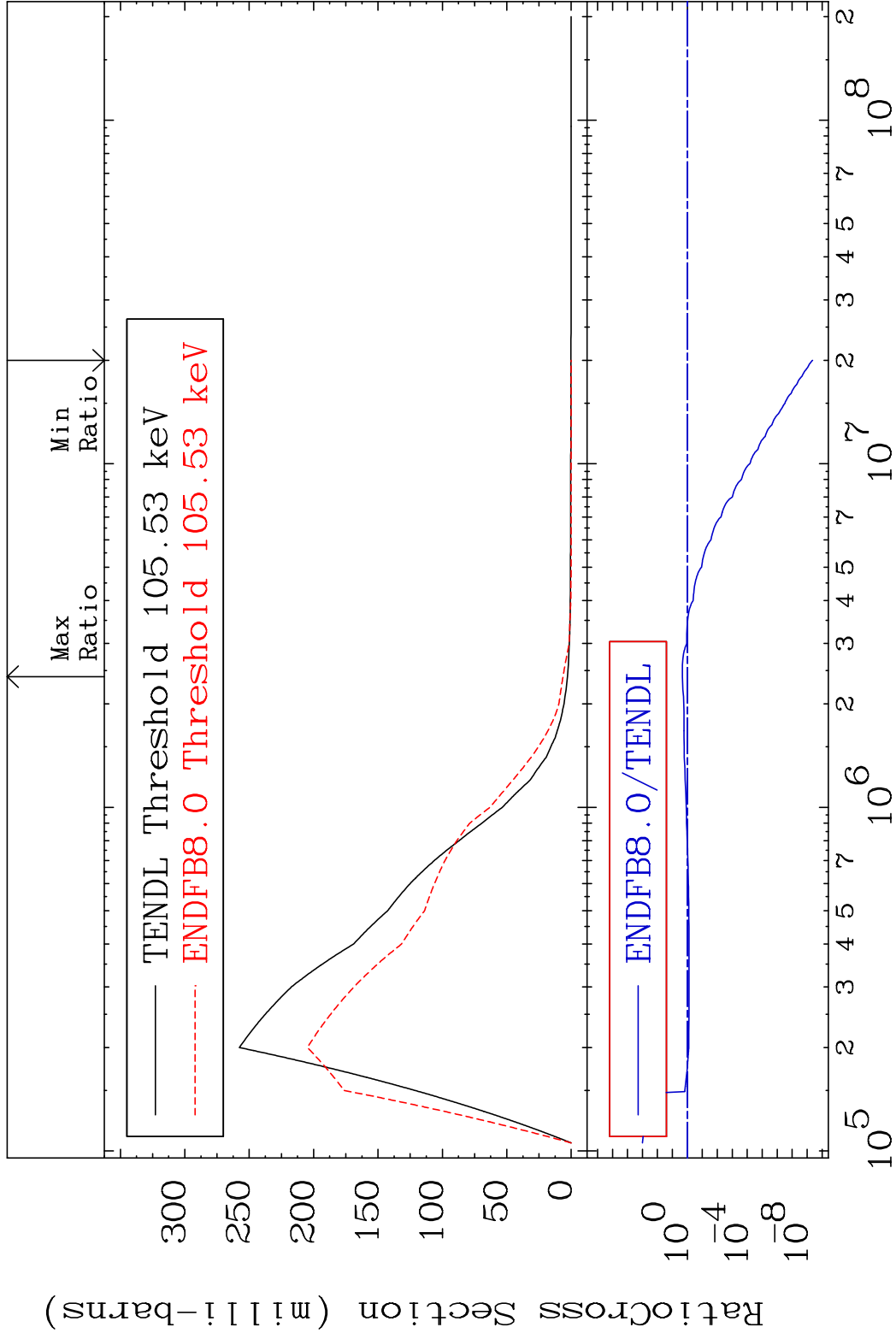
13 Incident Energy (eV) 62-Sm-151

MAT 6246

MT= 55 (n, n') Level

62-Sm-151

Cross Section -100.0 To 115.7 %

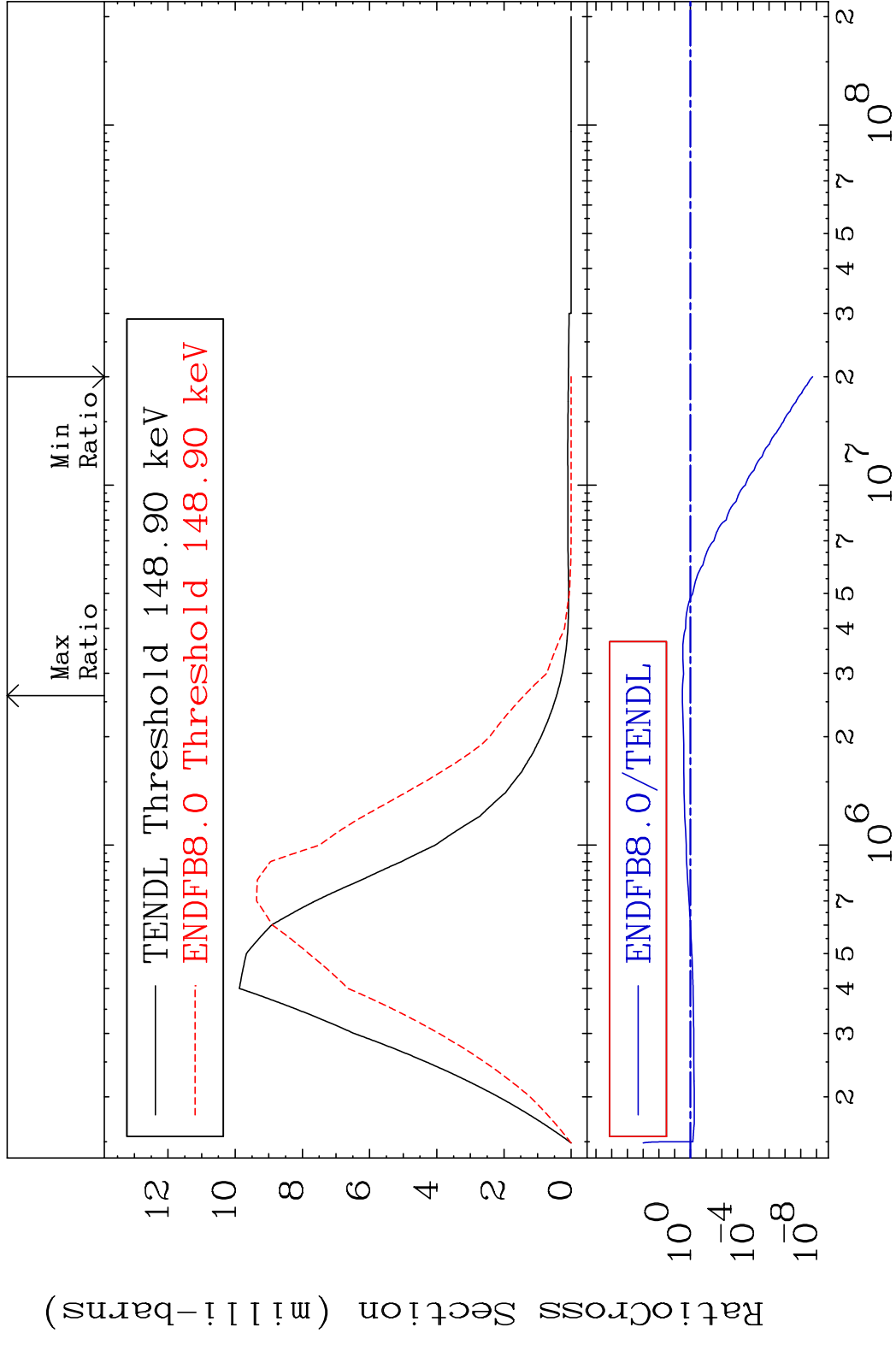


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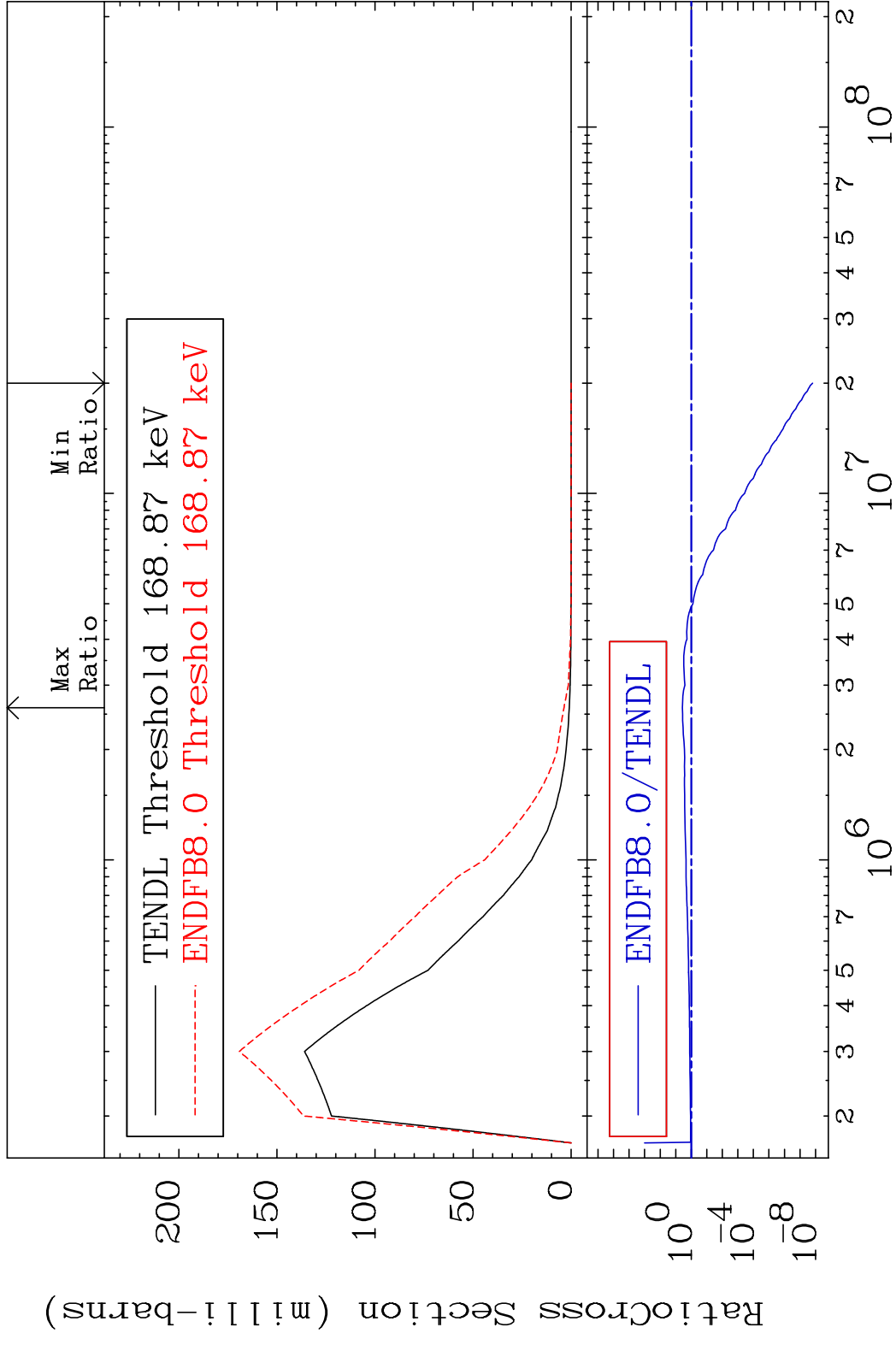
Incident Energy (eV)

62-Sm-151

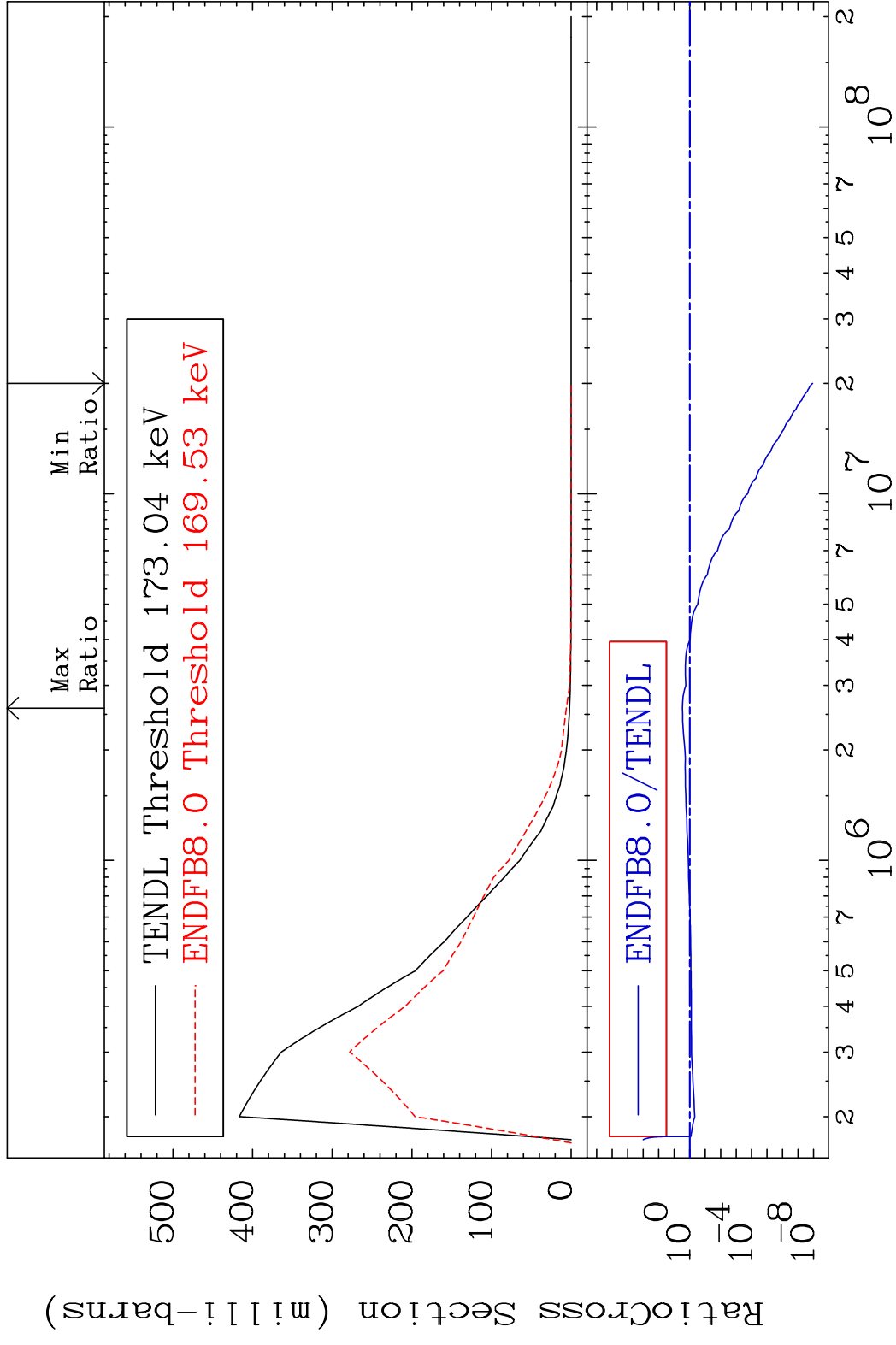
MAT 6246 MT= 56 (n,n') Level 62-Sm-151
 Cross Section -100.0 To 223.6 %



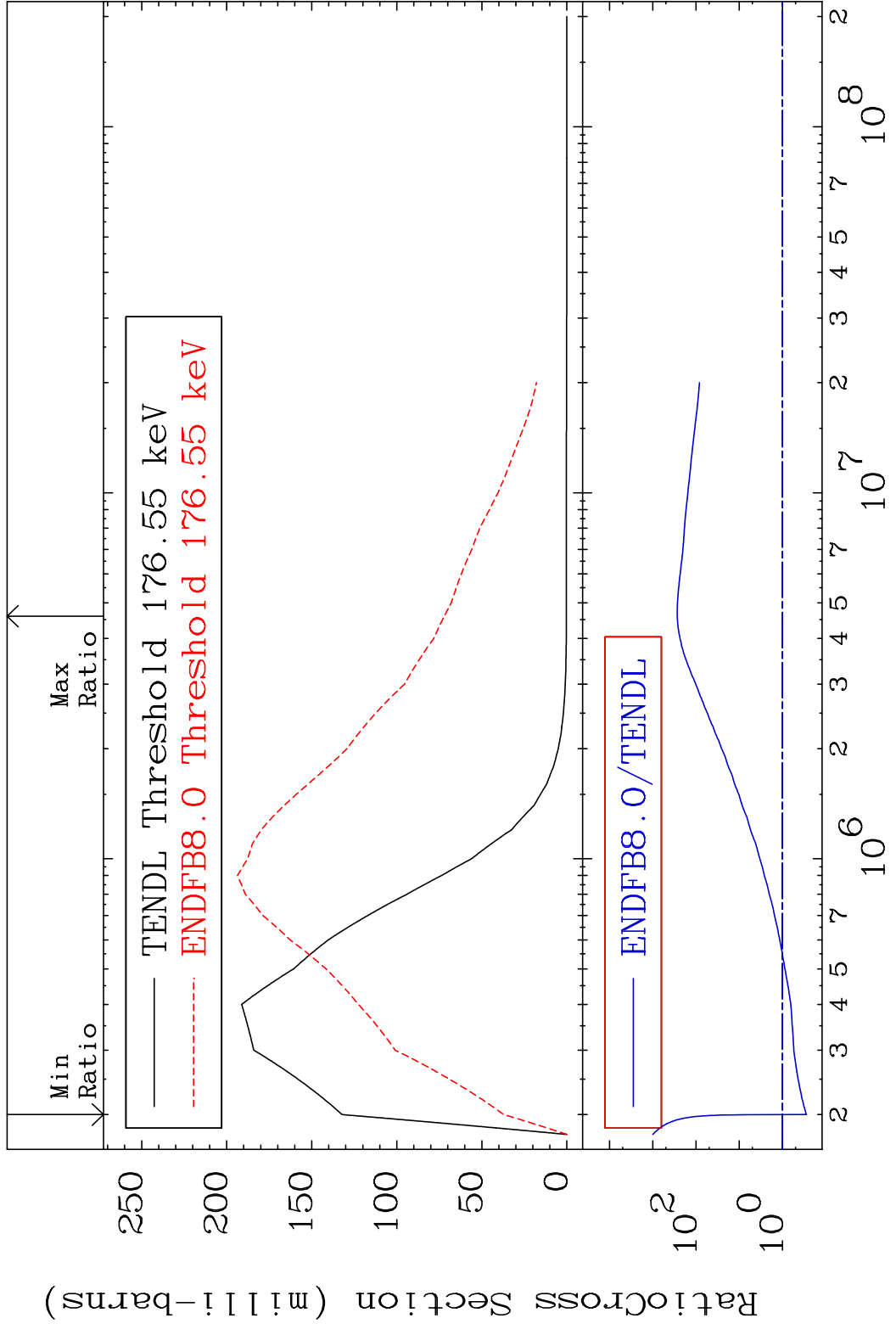
MAT 6246 MT= 57 (n,n') Level 62-Sm-151
 Cross Section -100.0 To 273.0 %



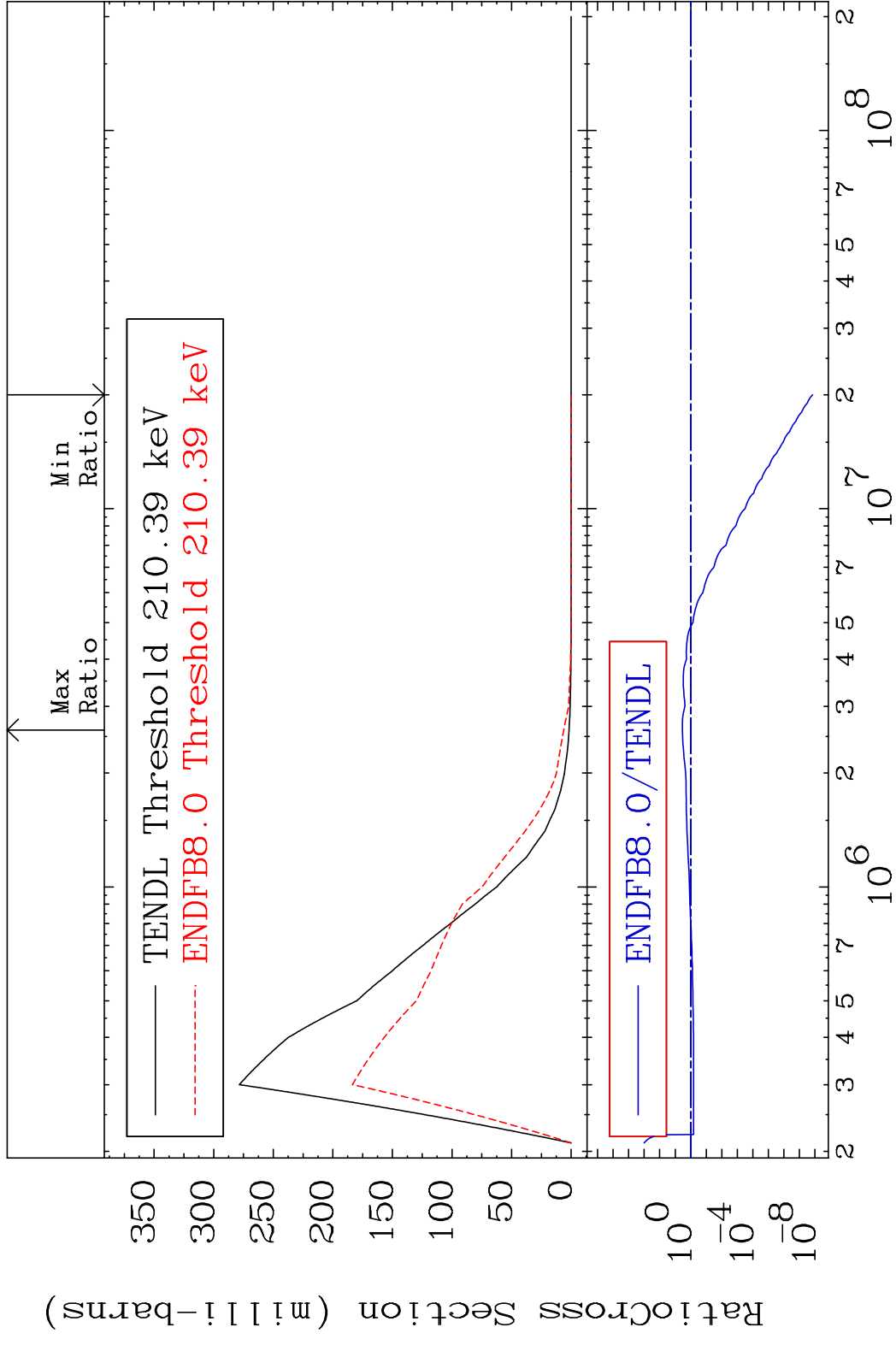
MAT 6246 MT= 58 (n, n') Level 62-Sm-151
 Cross Section -100.0 To 194.4 %



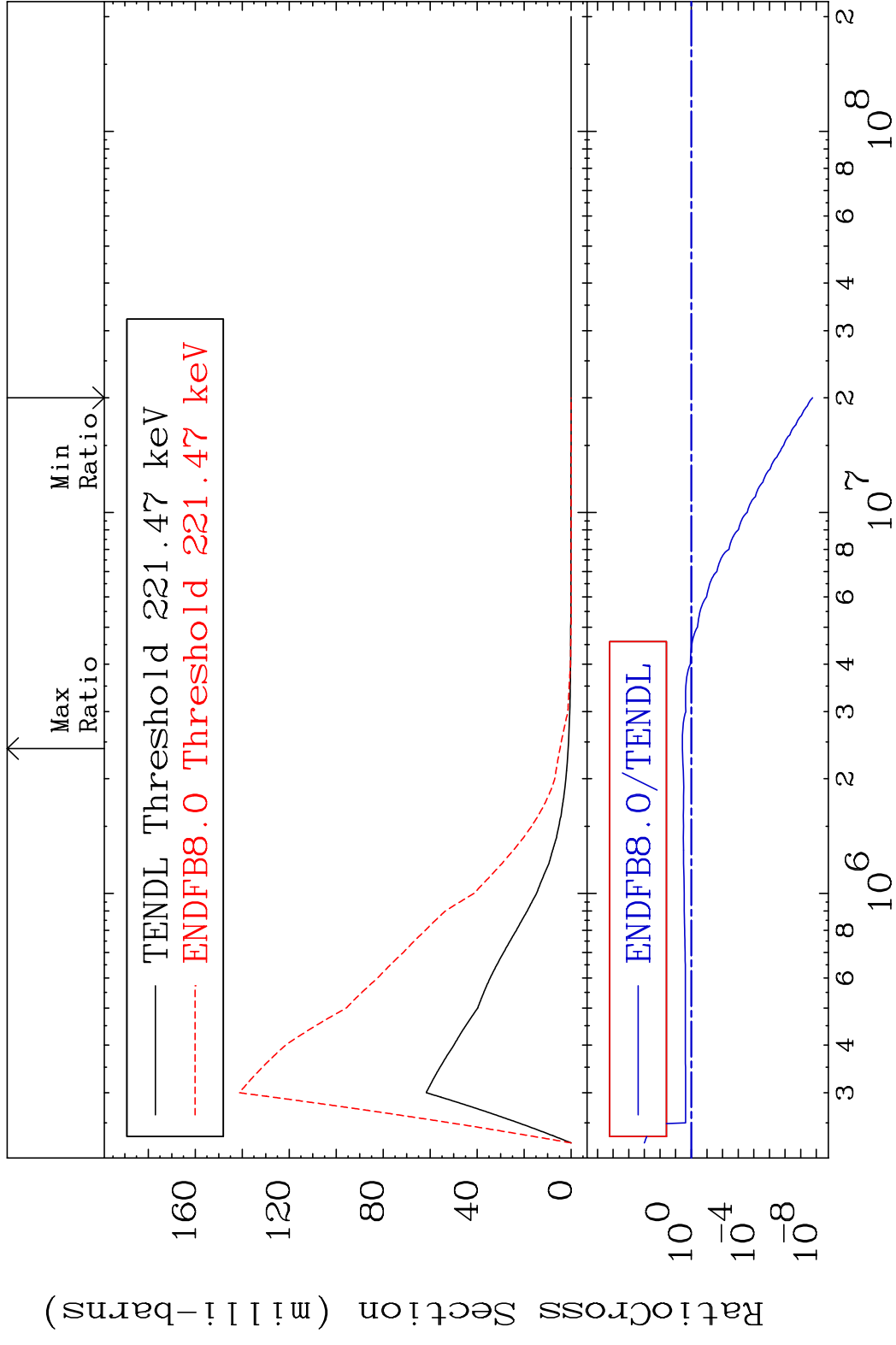
MAT 6246 MT= 59 (n, n') Level 62-Sm-151
 Cross Section -71.95 To 9999. %



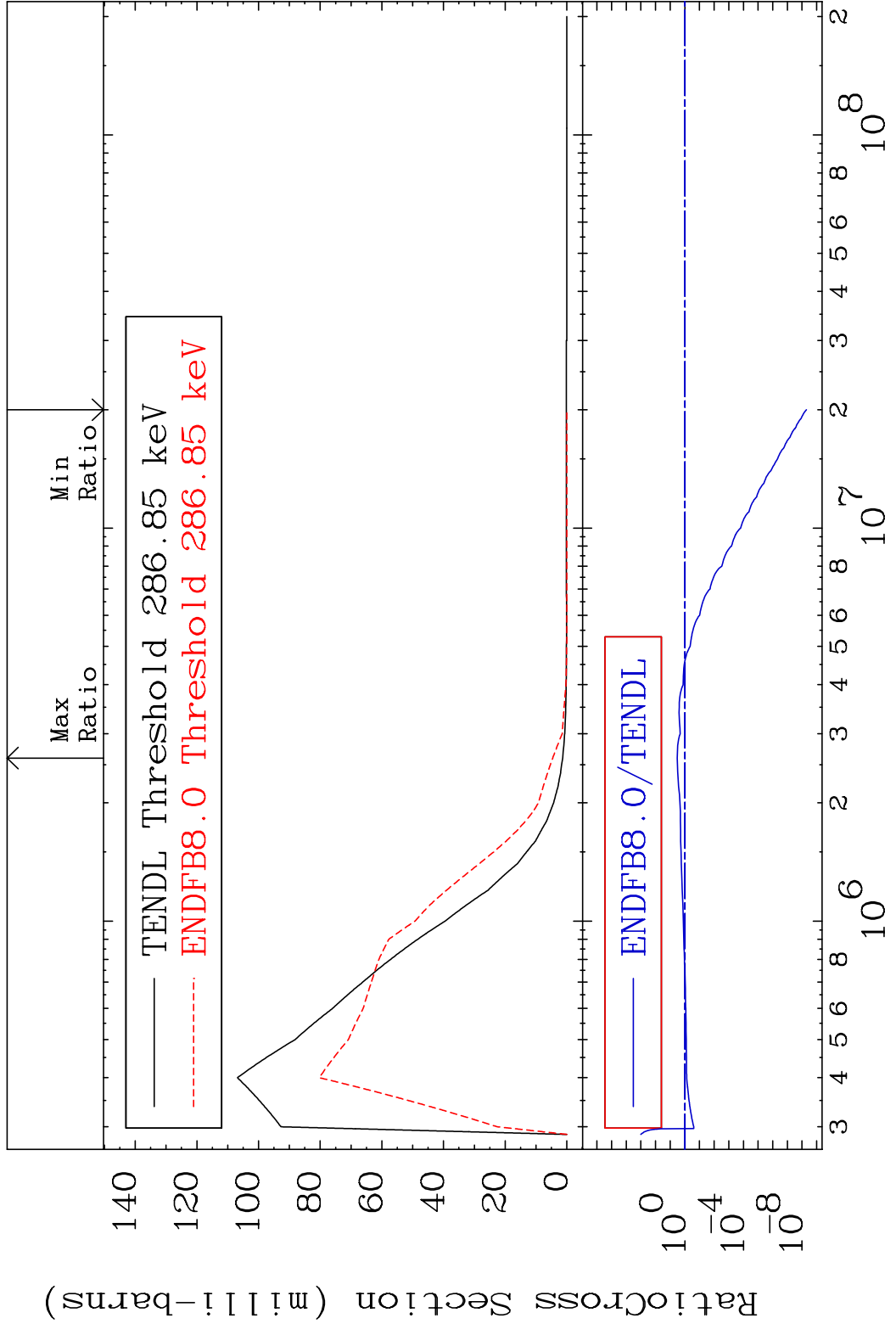
MAT 6246 MT= 60 (n,n') Level 62-Sm-151
 Cross Section -100.0 To 246.7 %



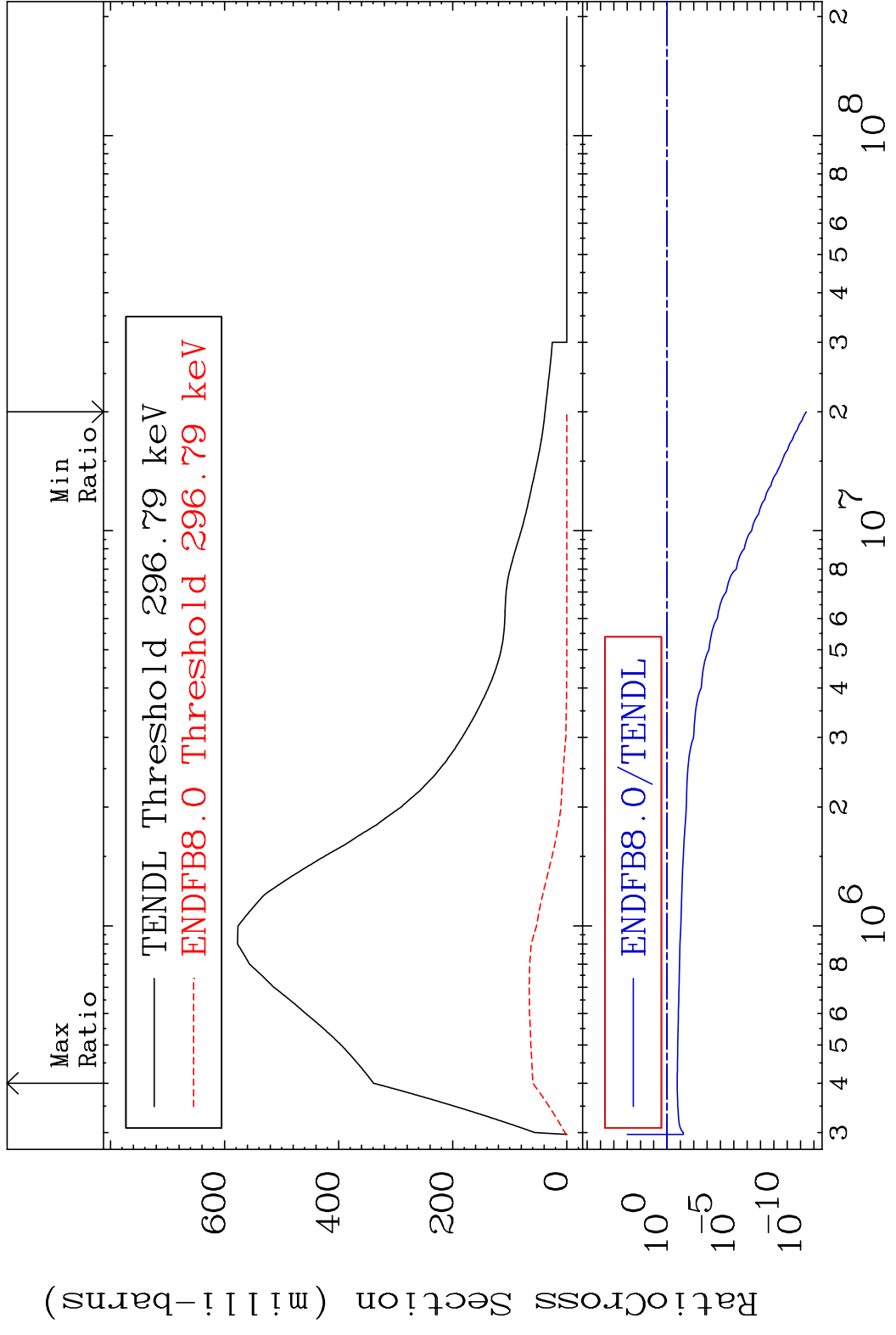
MAT 6246 MT= 61 (n, n') Level 62-Sm-151
 Cross Section -100.0 To 272.9 %



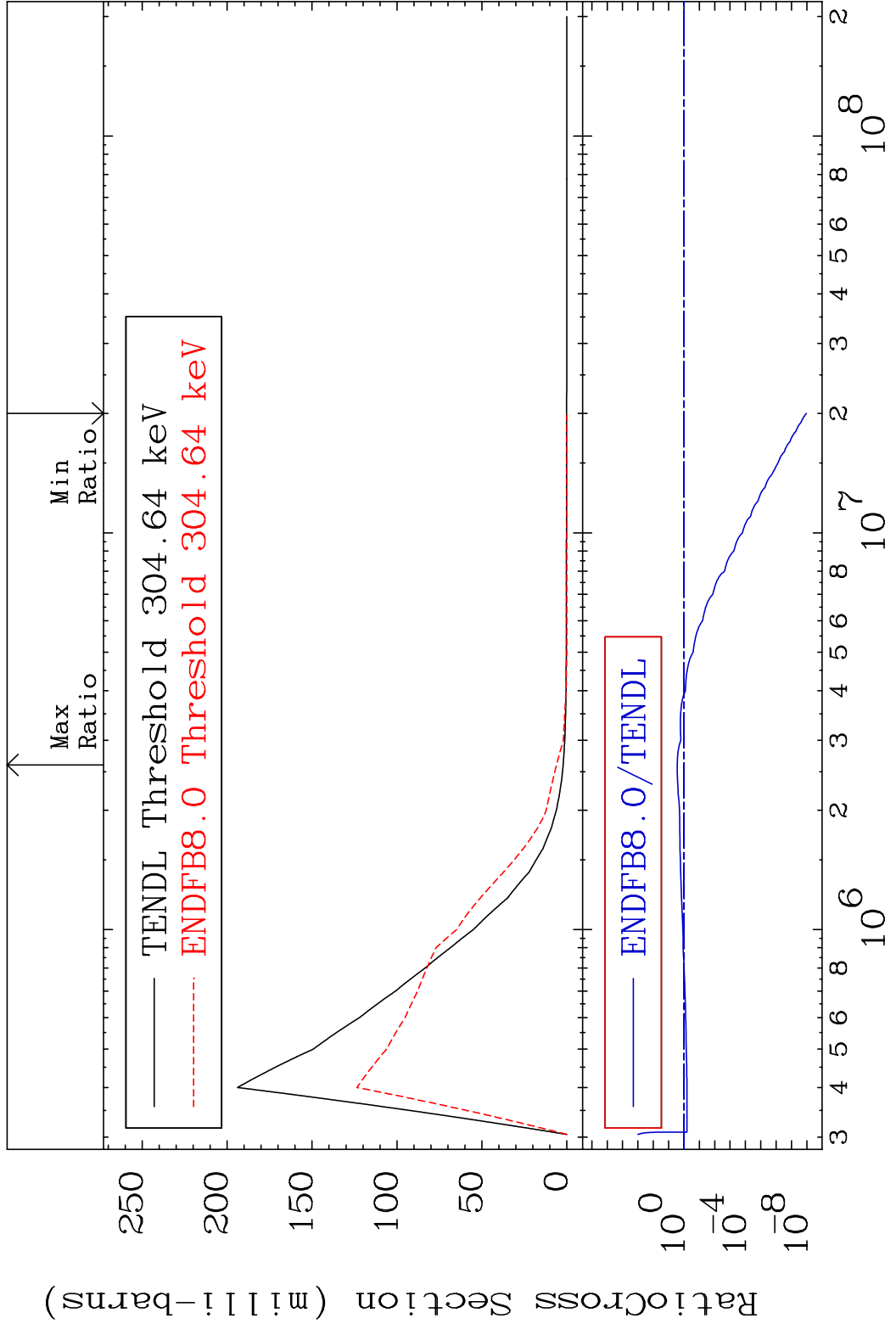
MAT 6246 MT= 63 (n, n') Level 62-Sm-151
 Cross Section -100.0 To 232.6 %



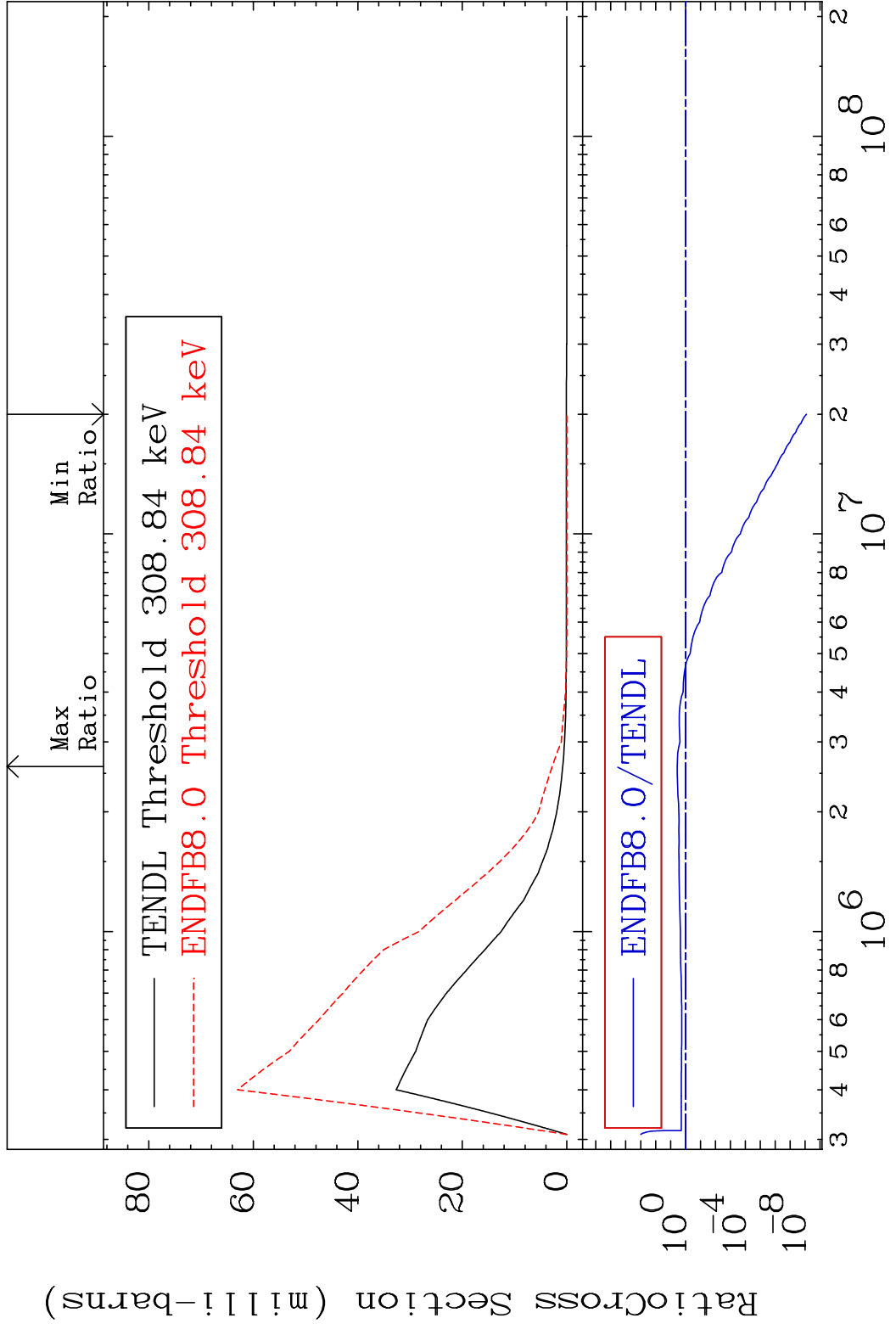
MAT 6246 MT= 64 (n, n') Level 62-Sm-151
 Cross Section -100.0 To -82.41%



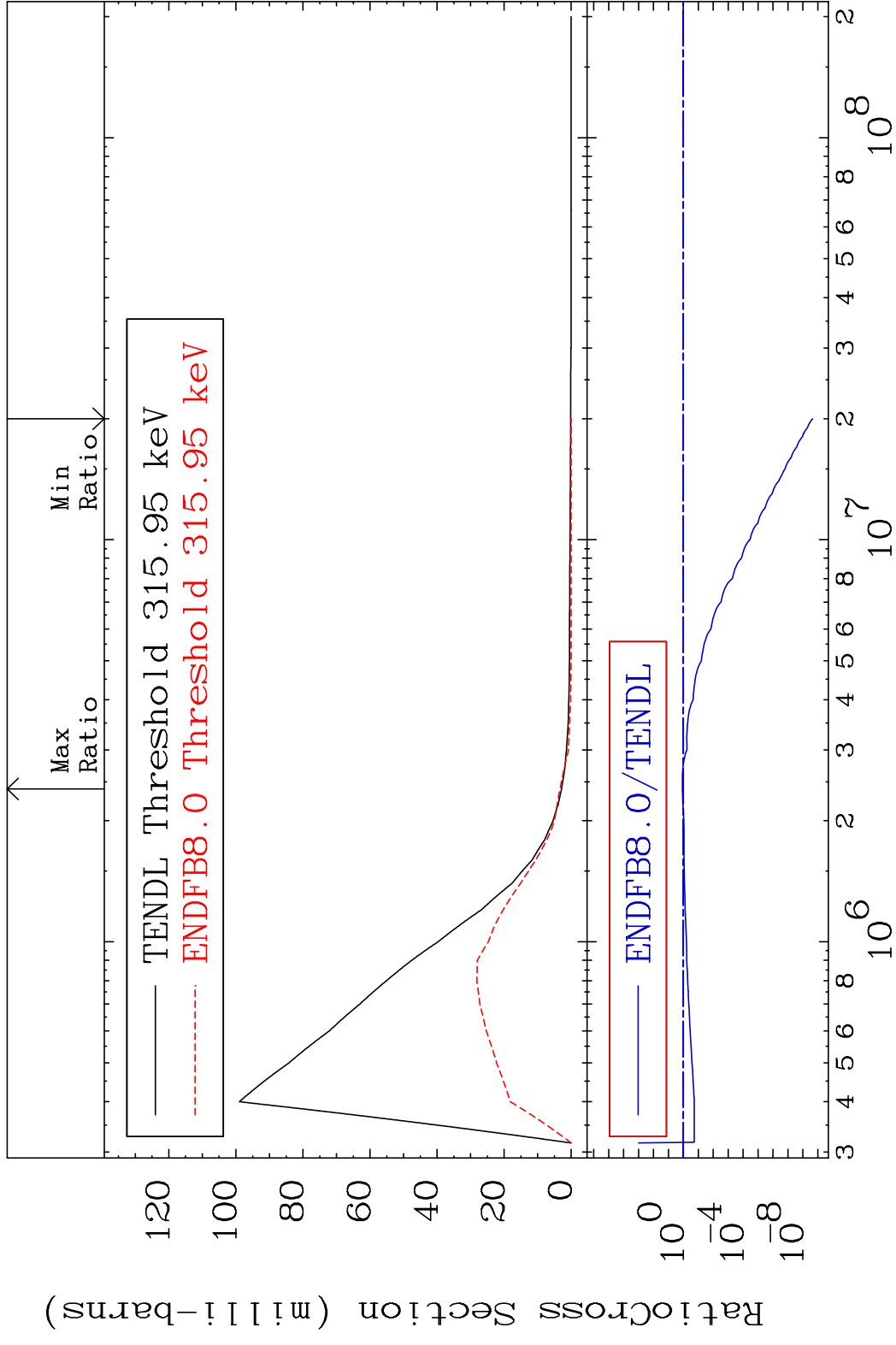
MAT 6246 MT= 65 (n,n') Level 62-Sm-151
 Cross Section -100.0 To 176.6 %



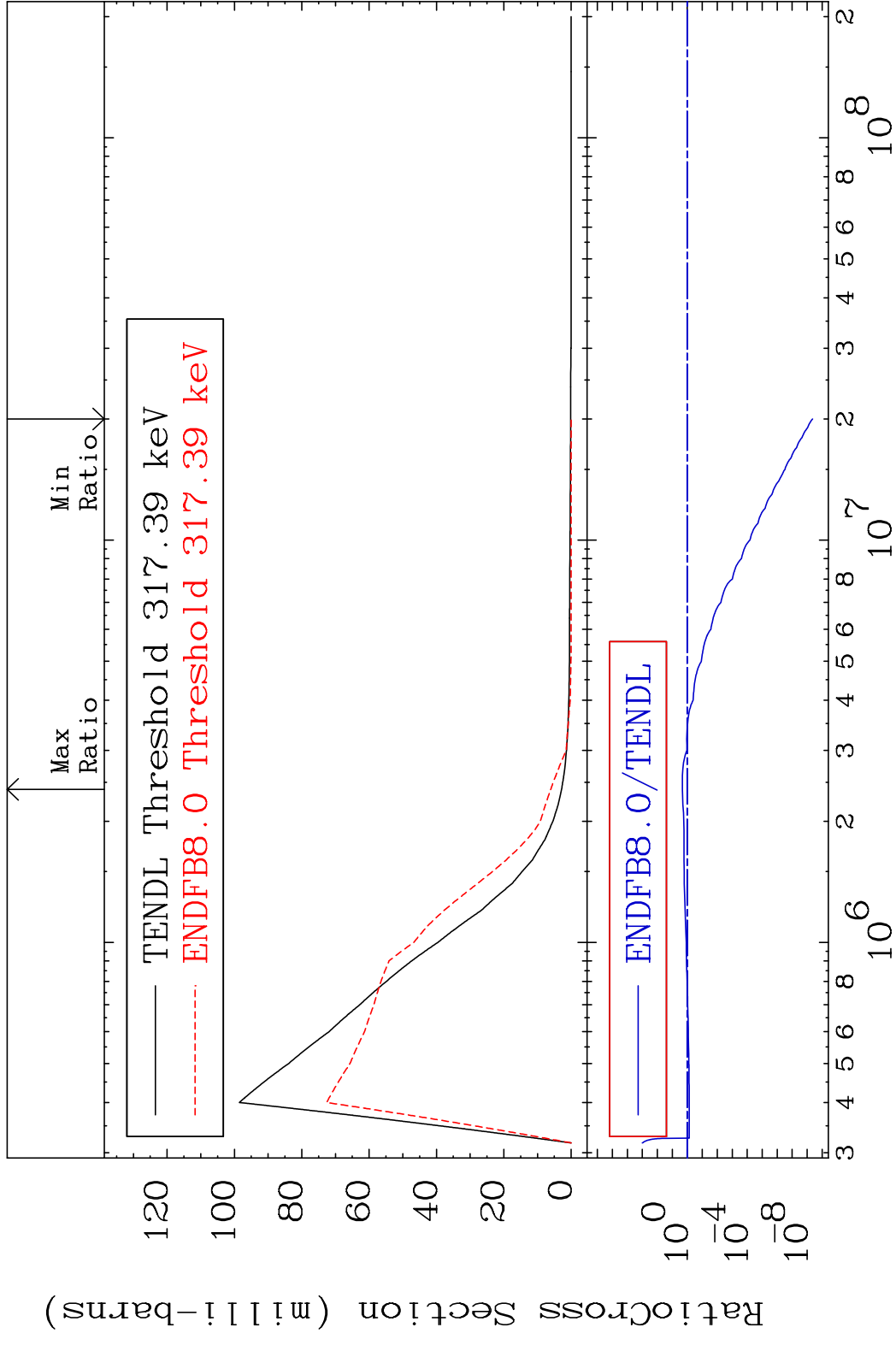
MAT 6246 MT= 66 (n, n') Level 62-Sm-151
 Cross Section -100.0 To 262.1 %



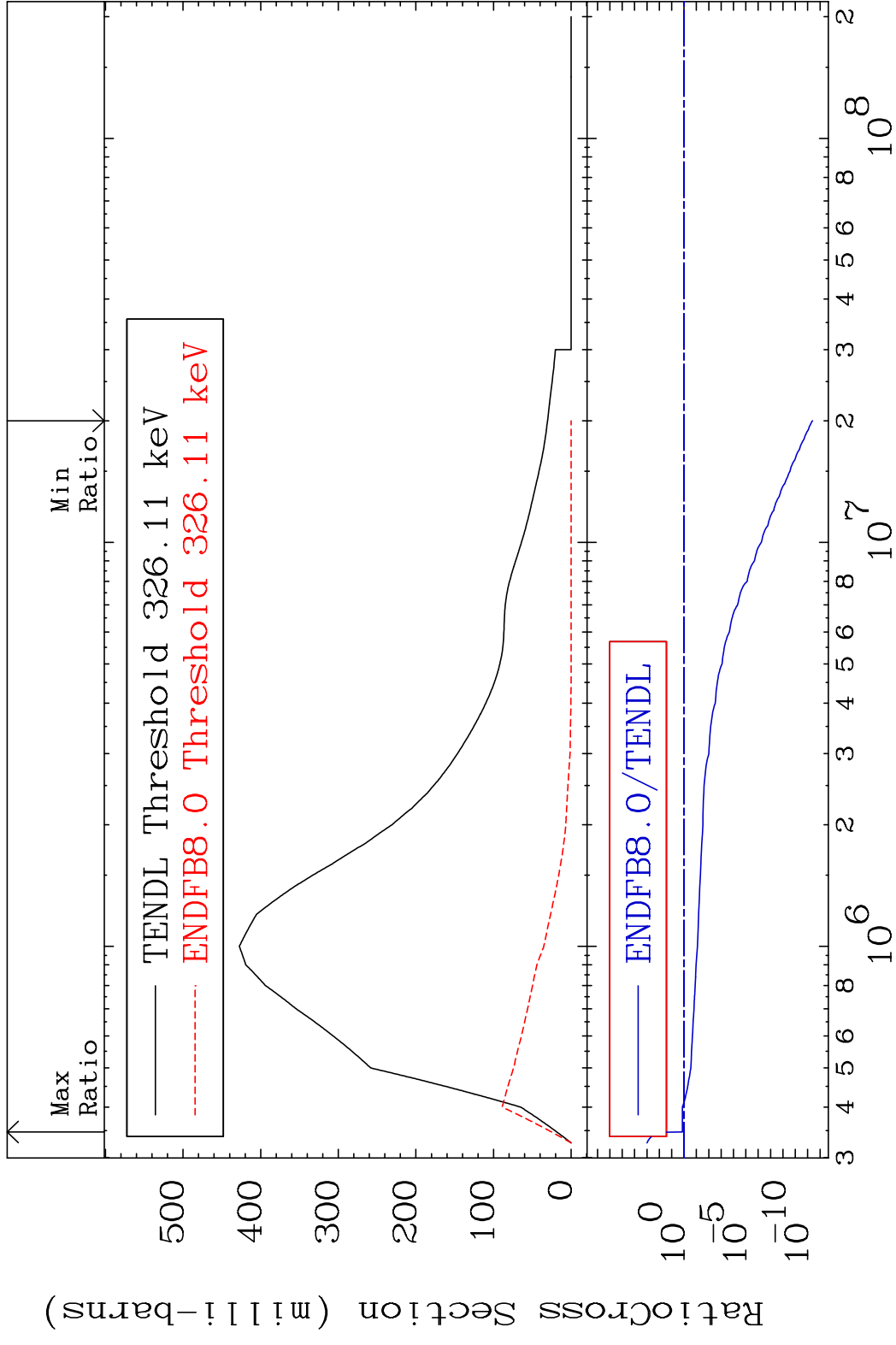
MAT 6246 MT= 67 (n, n') Level 62-Sm-151
 Cross Section -100.0 To 16.47 %



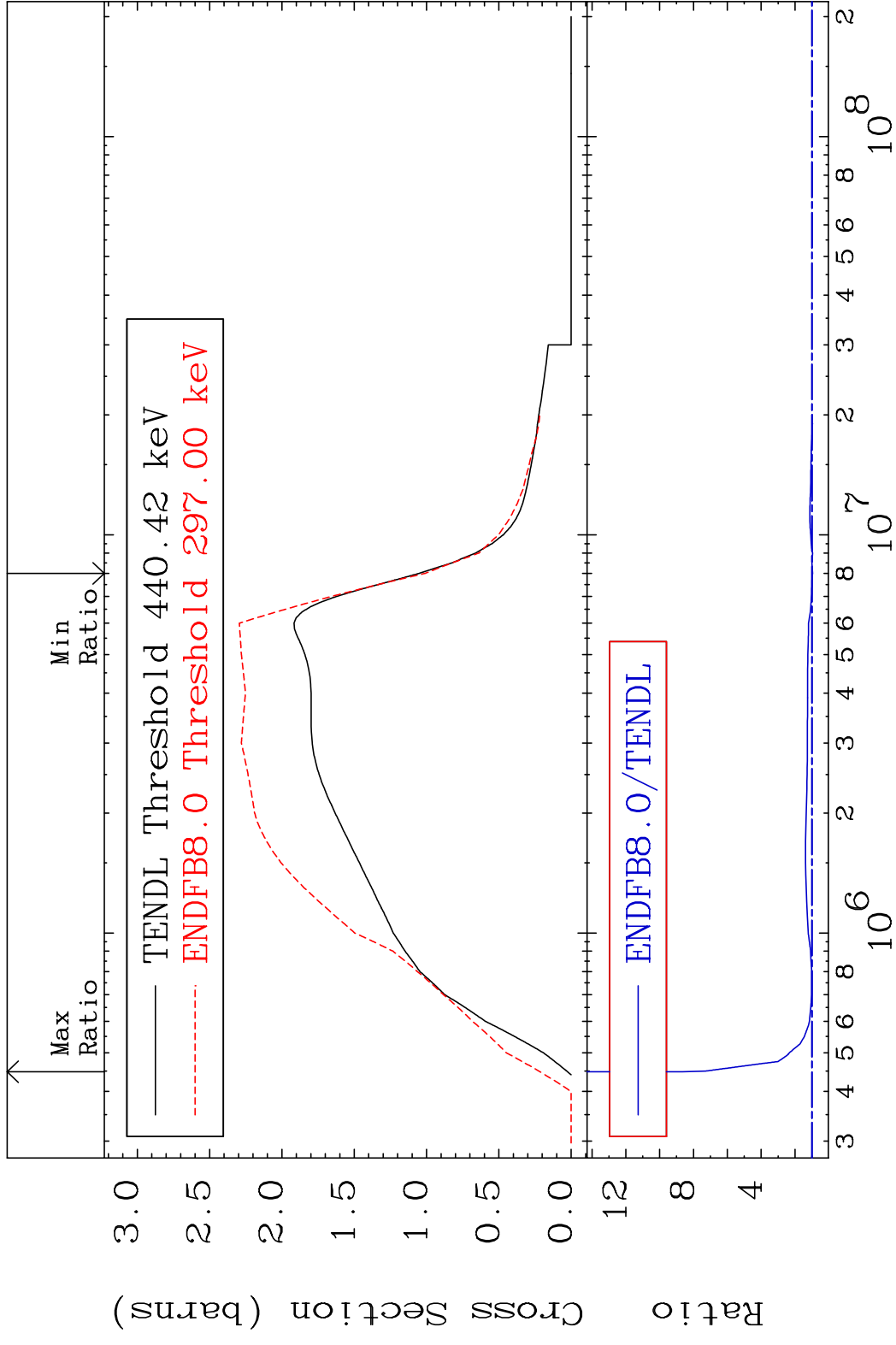
MAT 6246 MT= 68 (n,n') Level 62-Sm-151
 Cross Section -100.0 To 113.6 %



MAT 6246 MT= 69 (n, n') Level 62-Sm-151
 Cross Section -100.0 To 36.76 %



MAT 6246 (n, n') Continuum 62-Sm-151
 Cross Section -3.920 To 765.8 %

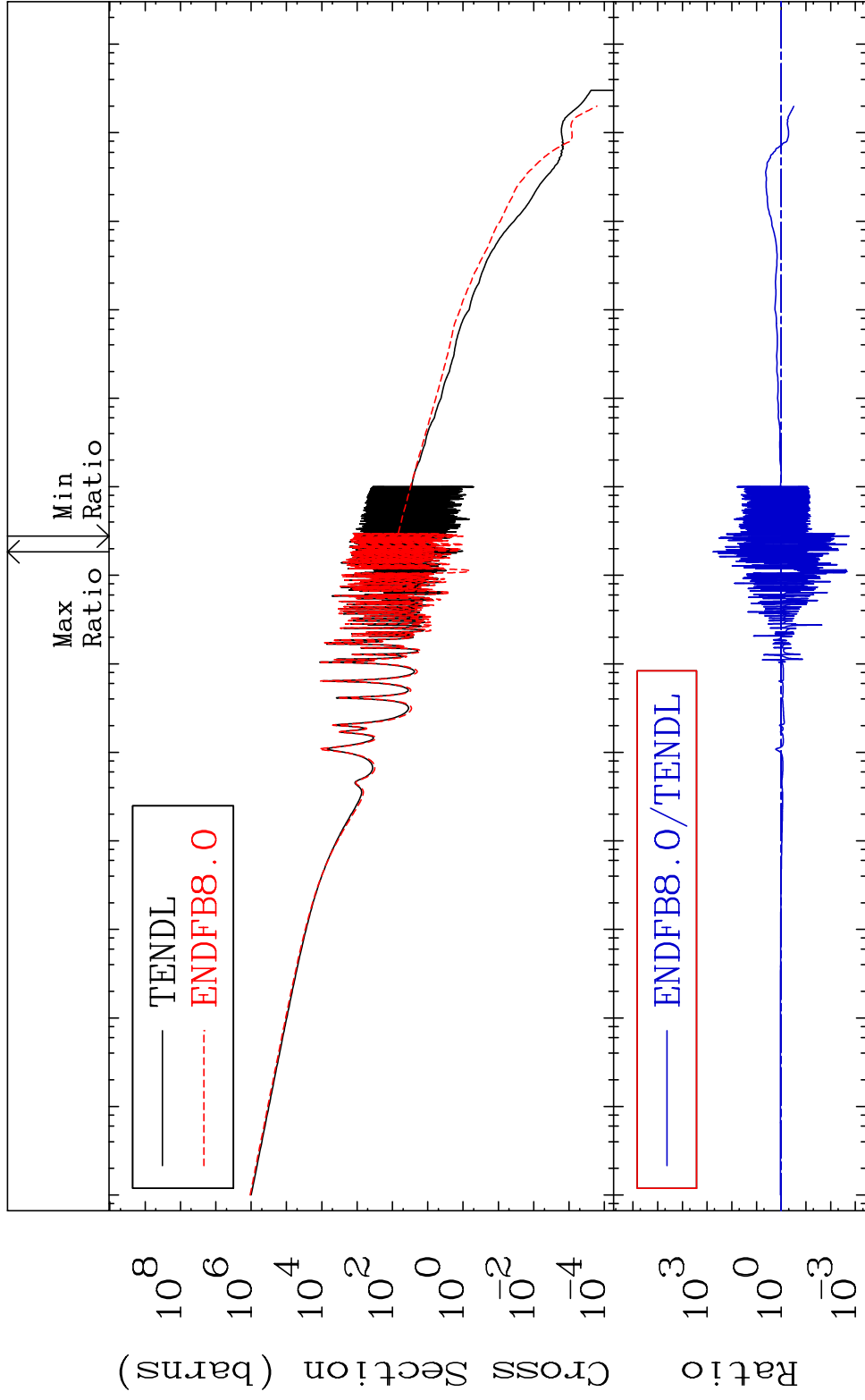


MAT 6246

(n, γ)

62-Sm-151

Cross Section -99.82 To 9999. %

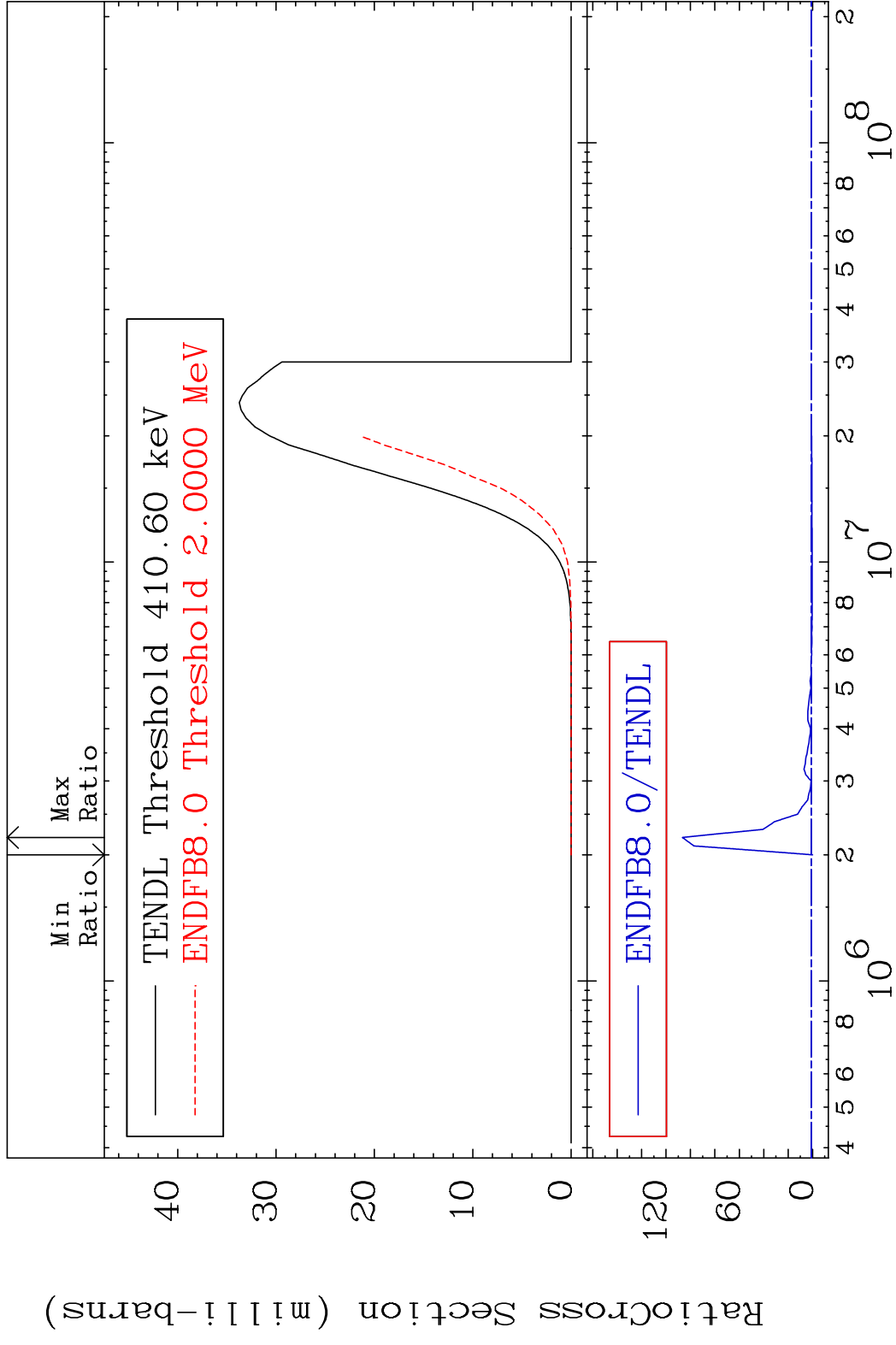


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Incident Energy (eV)

62-Sm-151

MAT 6246 (n,p) 62-Sm-151
 Cross Section -100.0 To 9999. %

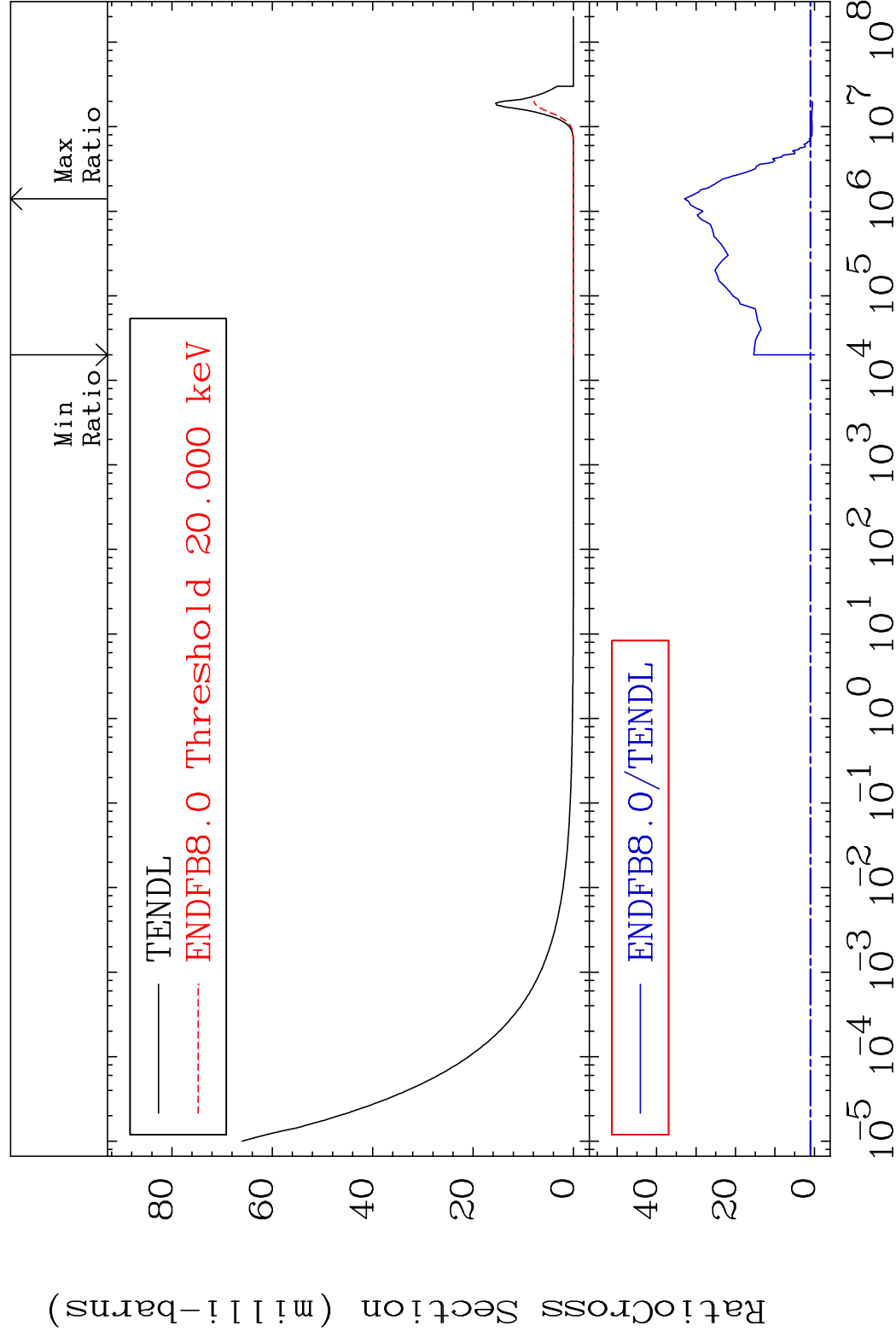


MAT 6246

(n, α)

62-Sm-151

Cross Section -100.0 To 3193. %



32

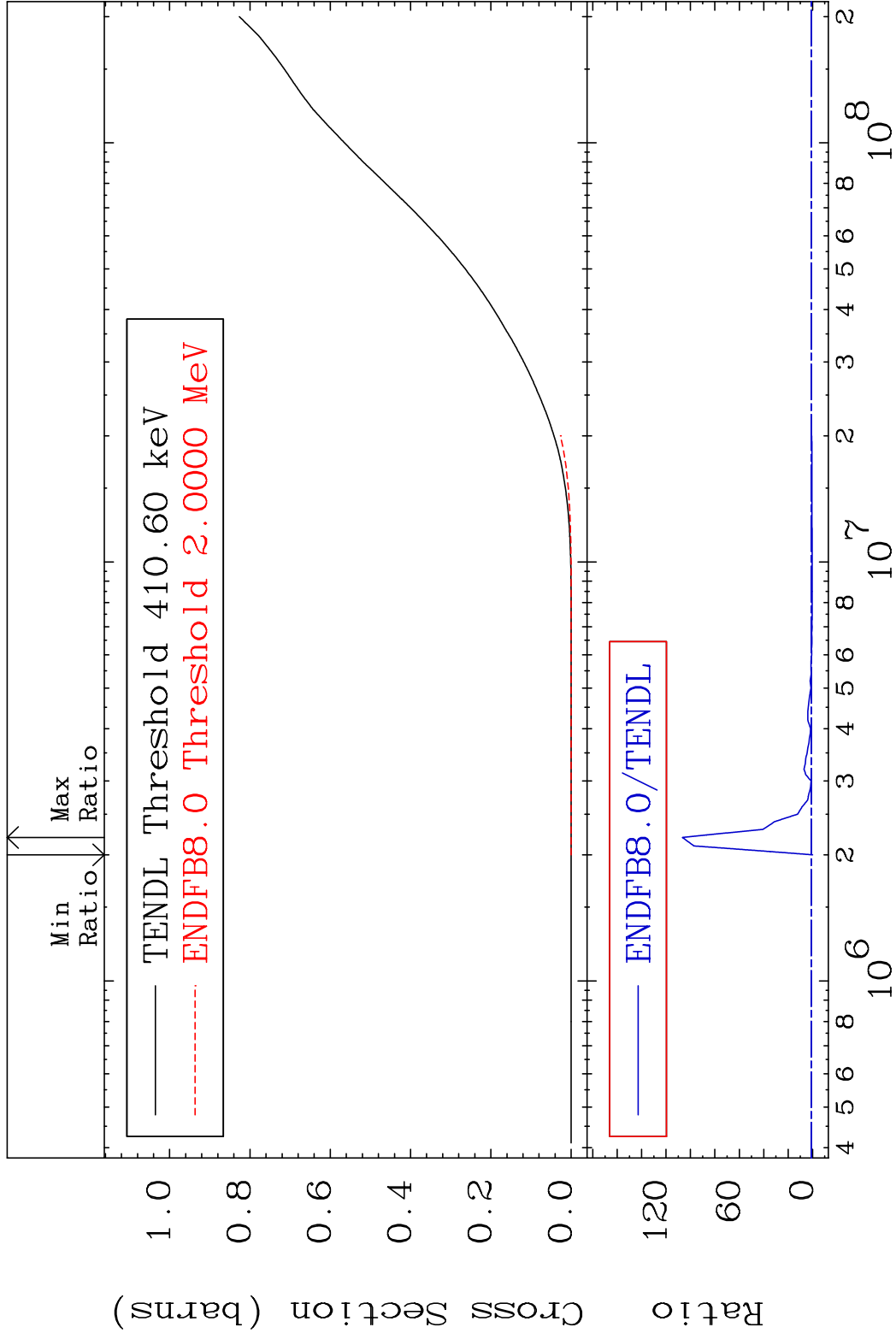
Incident Energy (eV)

62-Sm-151

MAT 6246

Hydrogen Production 62-Sm-151

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

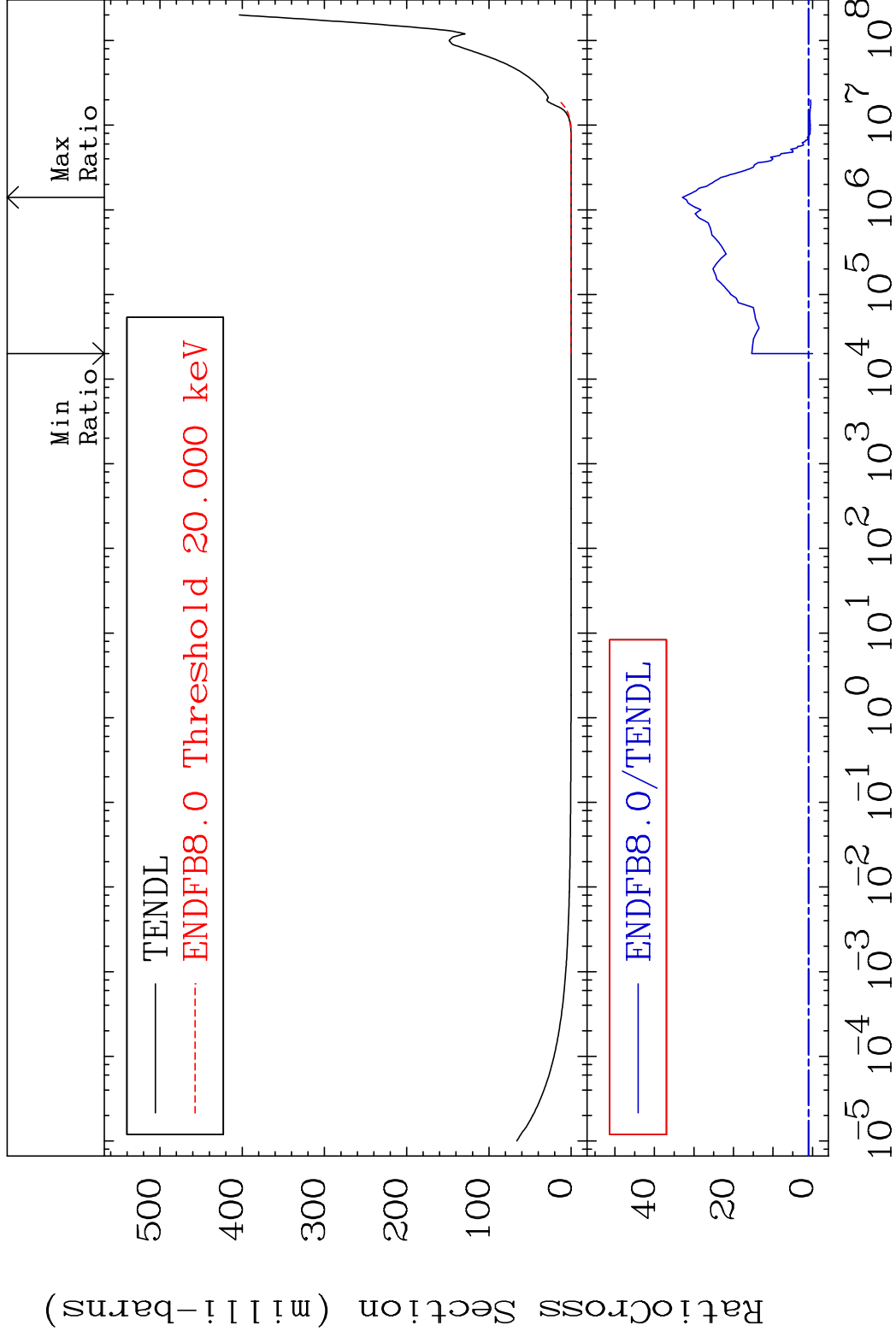
62-Sm-151

MAT 6246

He-4 Production

62-Sm-151

Cross Section -100.0 To 3193. %

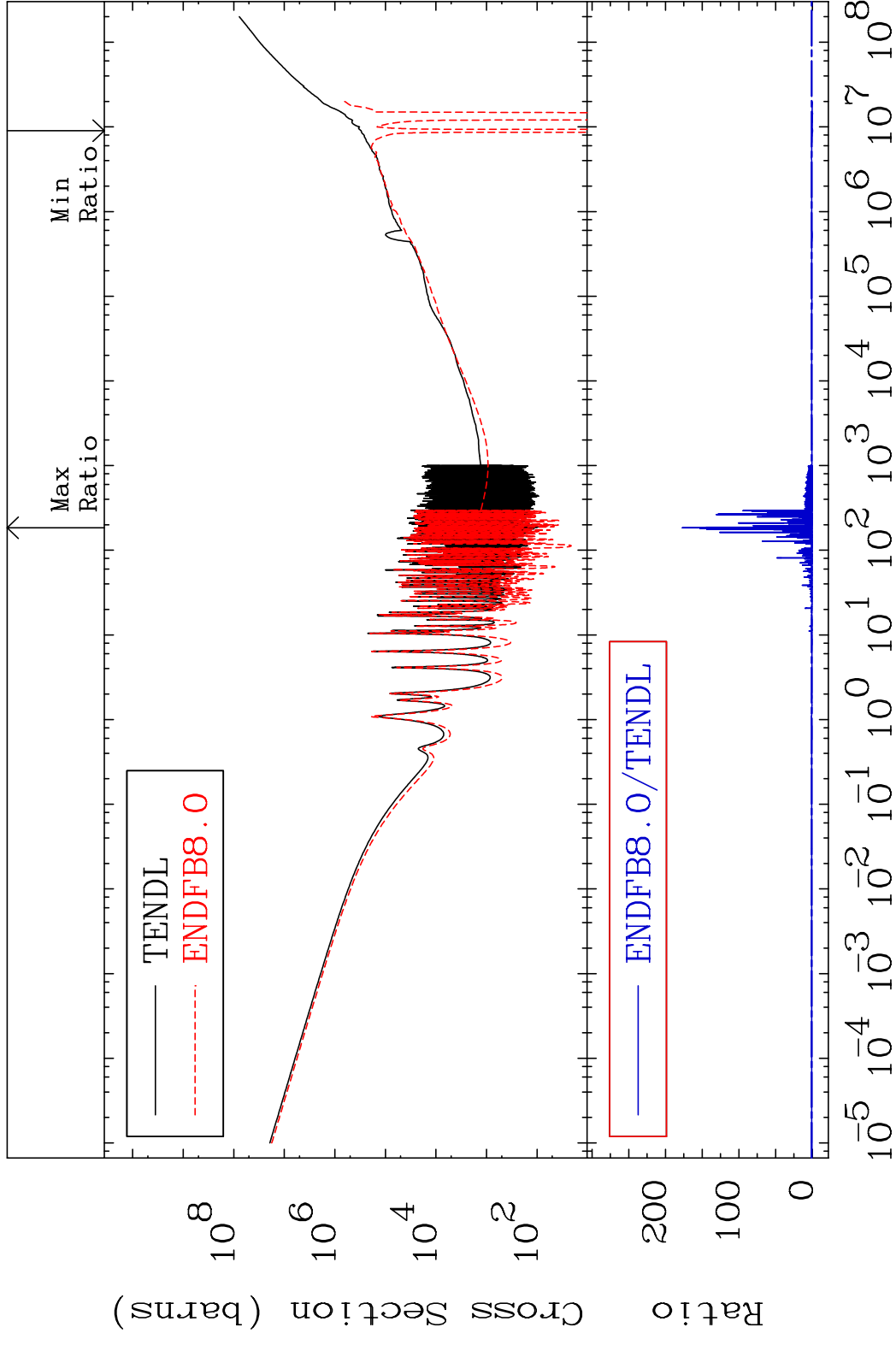


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Incident Energy (eV)

62-Sm-151

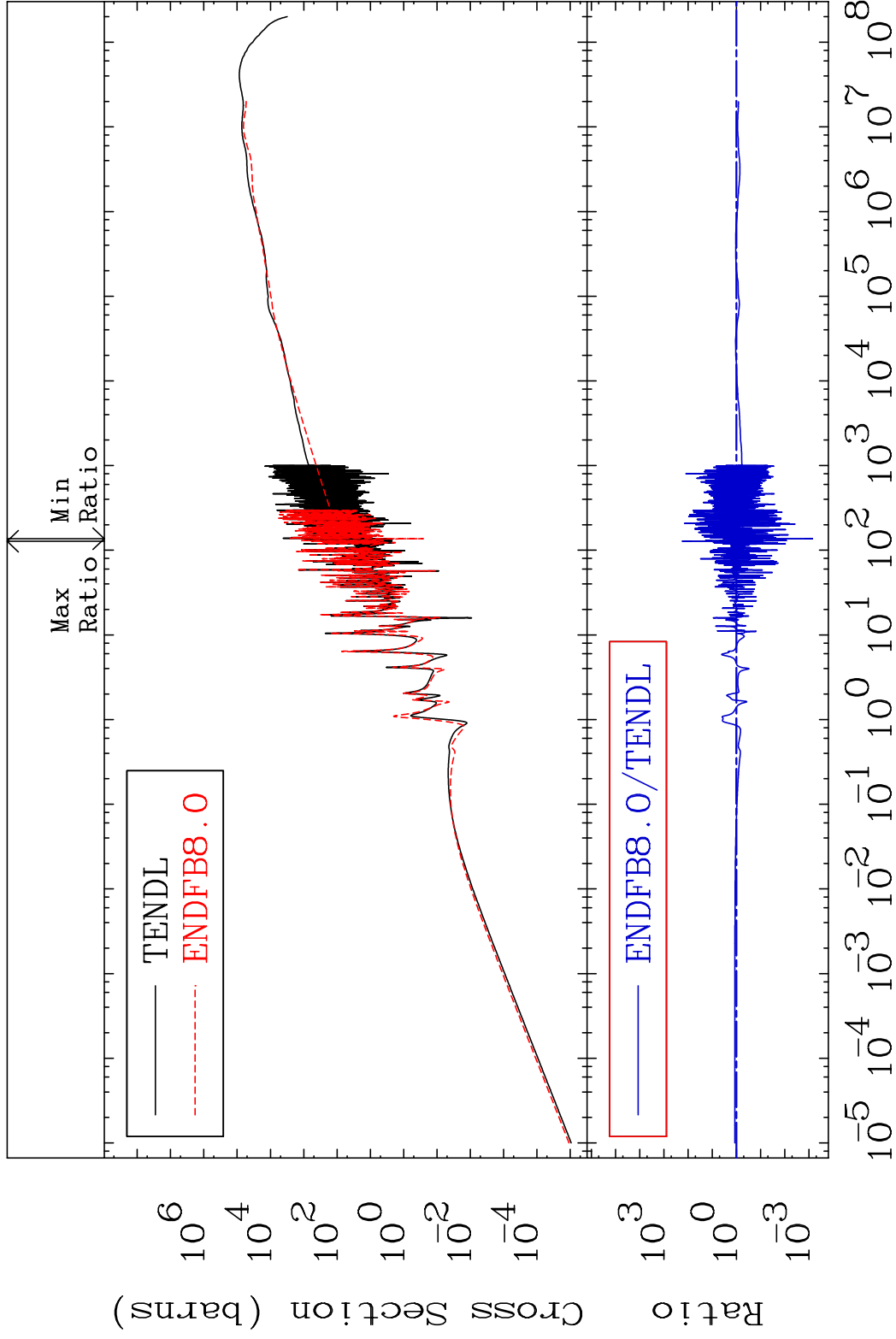
MAT 6246 Kerma total (eV-barns) 62-Sm-151
 Cross Section -125.9 To 9999. %



35 Incident Energy (eV) 62-Sm-151

MAT 6246

Kerma elastic Cross Section -99.93 To 9999. %
62-Sm-151

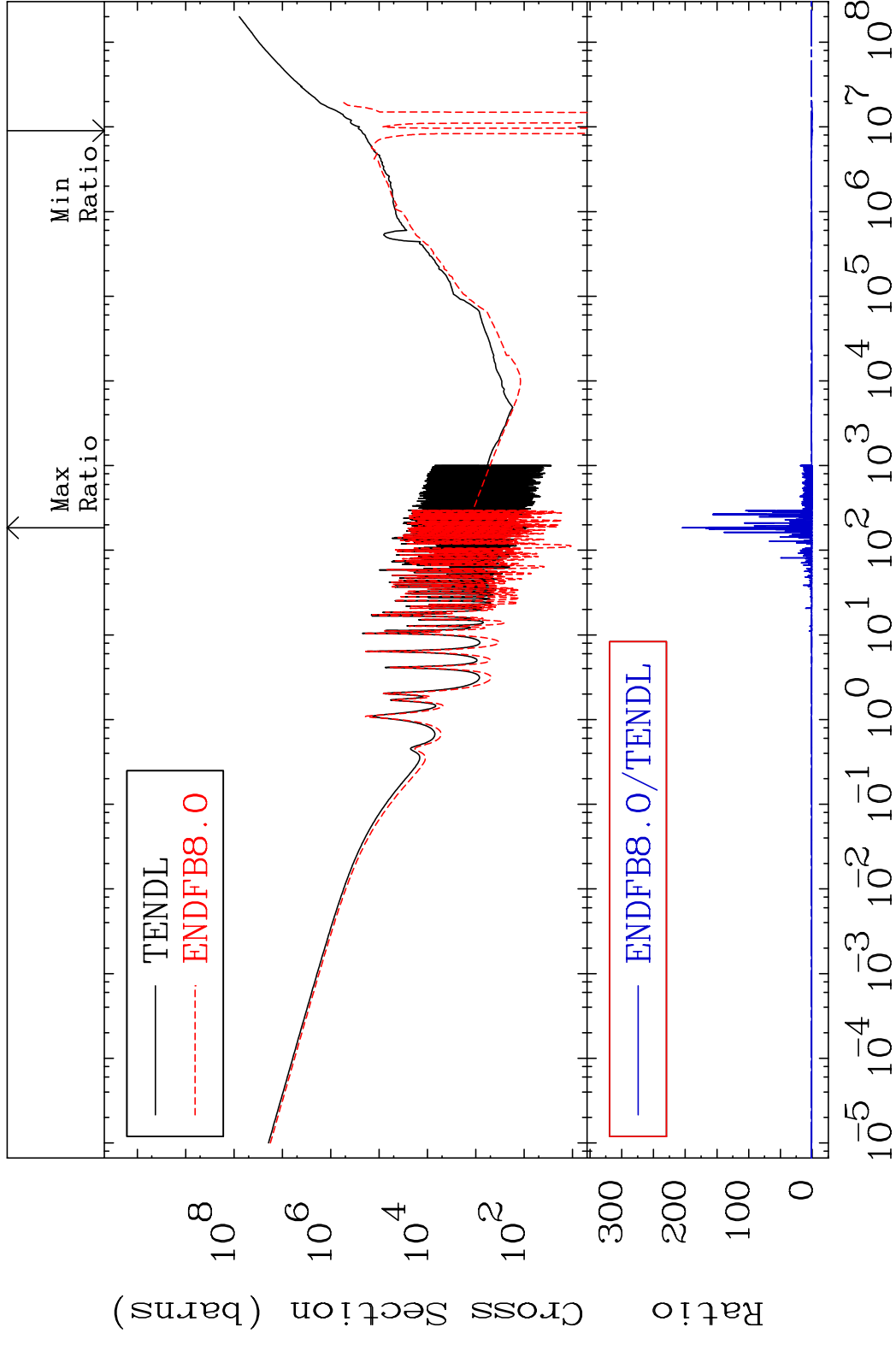


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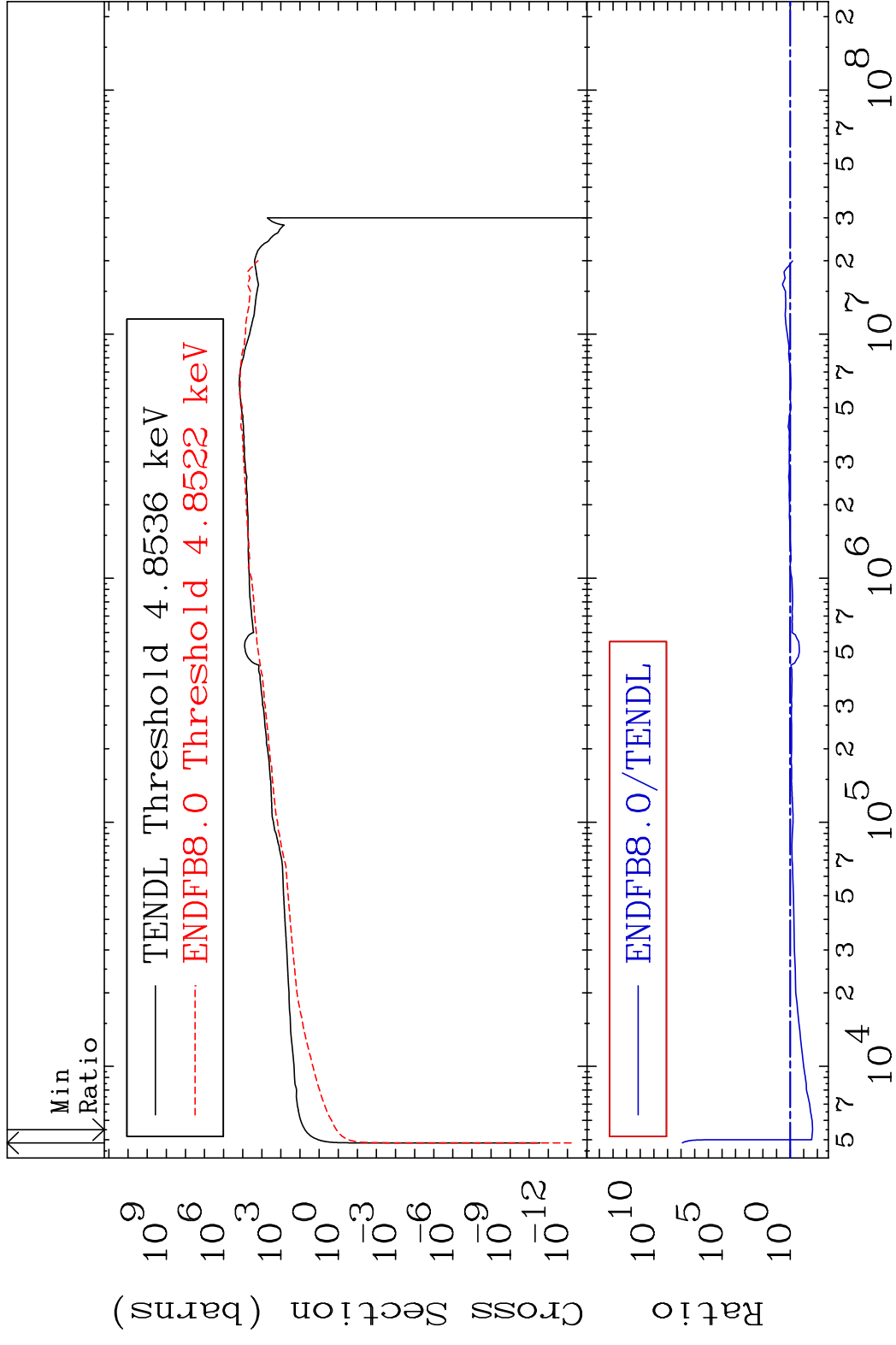
Incident Energy (eV)

62-Sm-151

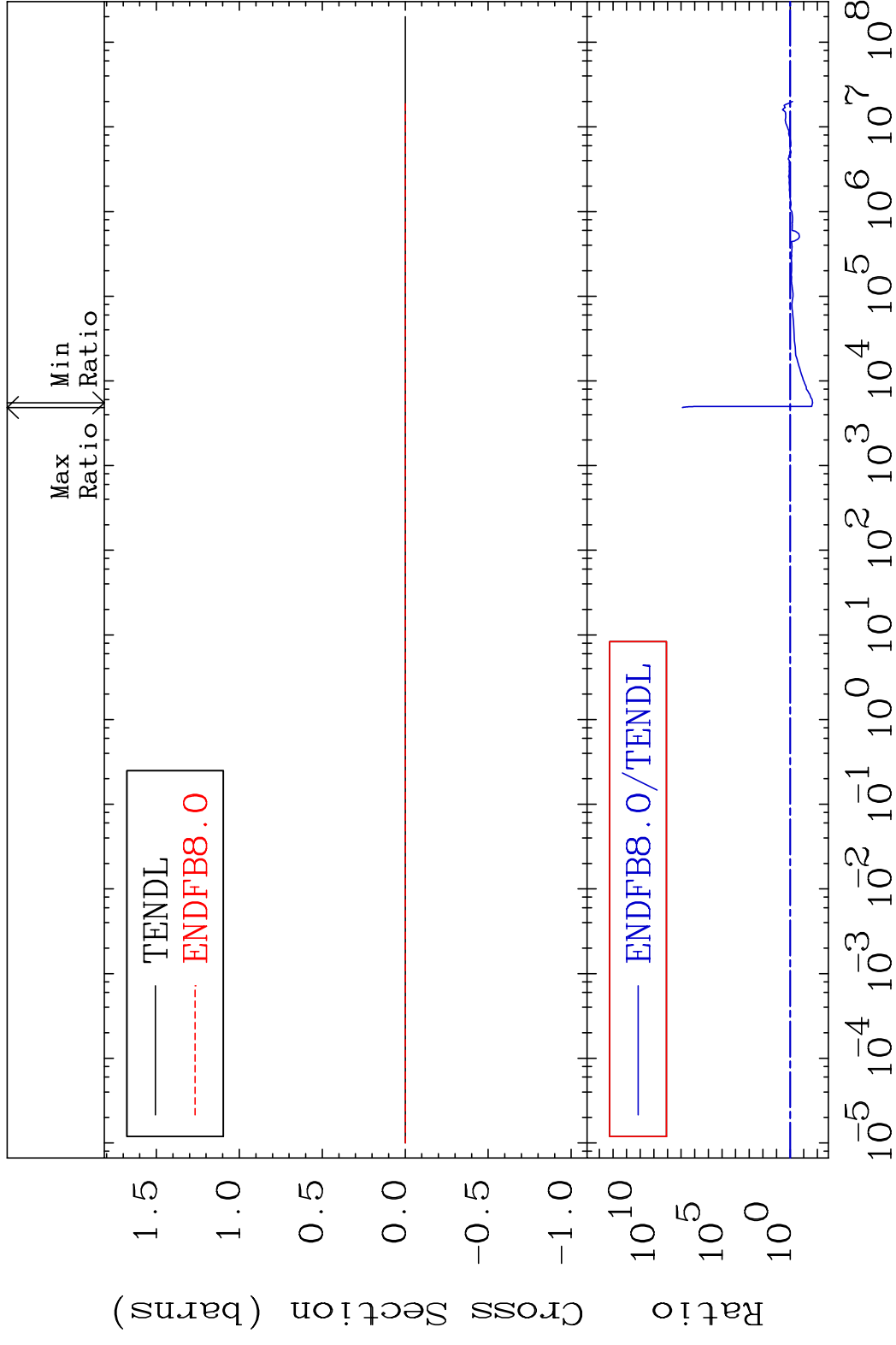
MAT 6246 Kerma non-elastic (all but mt2) 62-Sm-151
 Cross Section -161.3 To 9999. %



MAT 6246 Kerma inelastic (mt51-91) 62-Sm-151
 Cross Section -97.73 To 9999. %



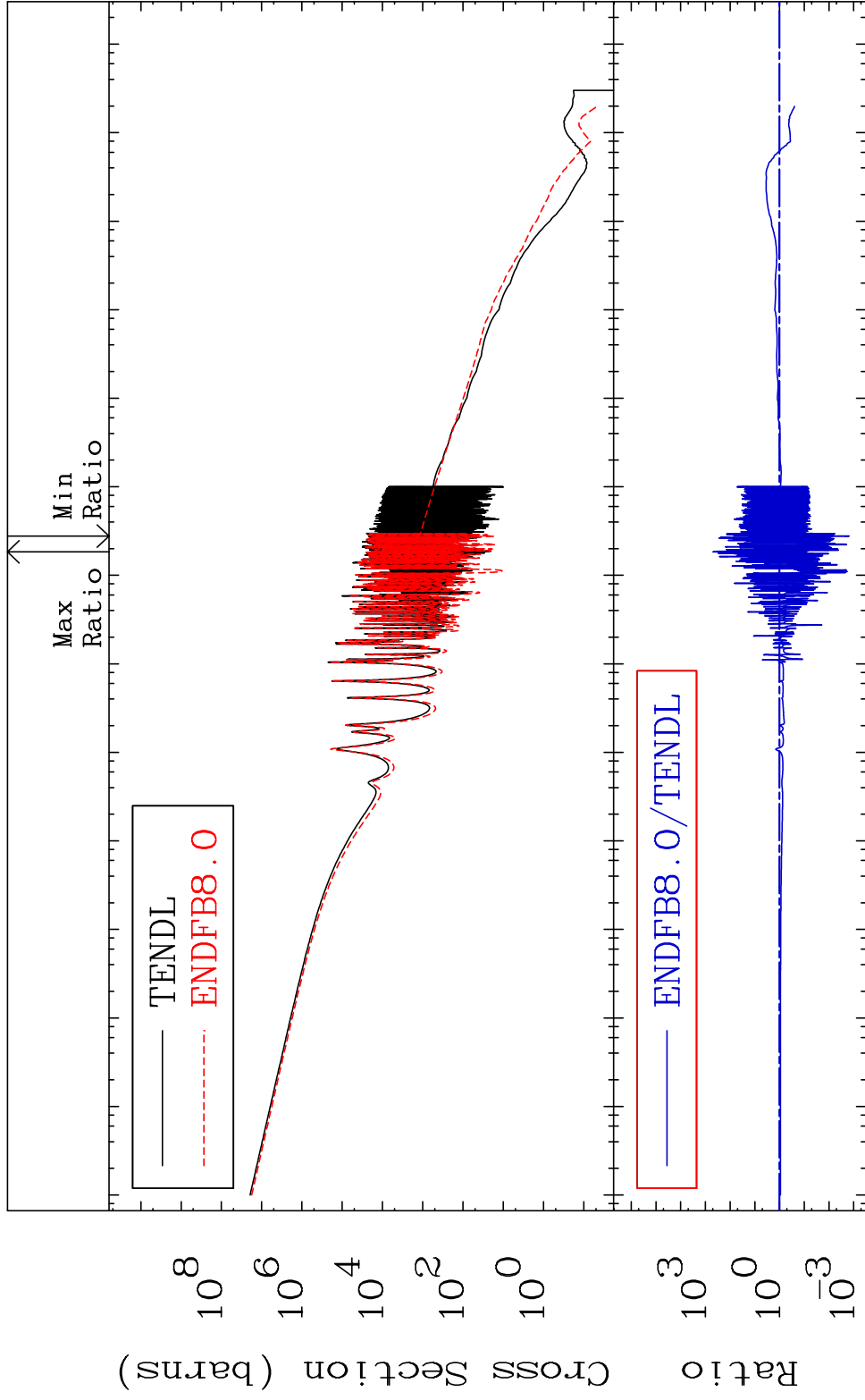
MAT 6246 Kerma fission (mt18 or mt19-20-21-38) 62-Sm-151
 Cross Section -97.73 To 9999. %



MAT 6246

Kerma capture (mt102) 62-Sm-151

Cross Section -99.85 To 9999. %

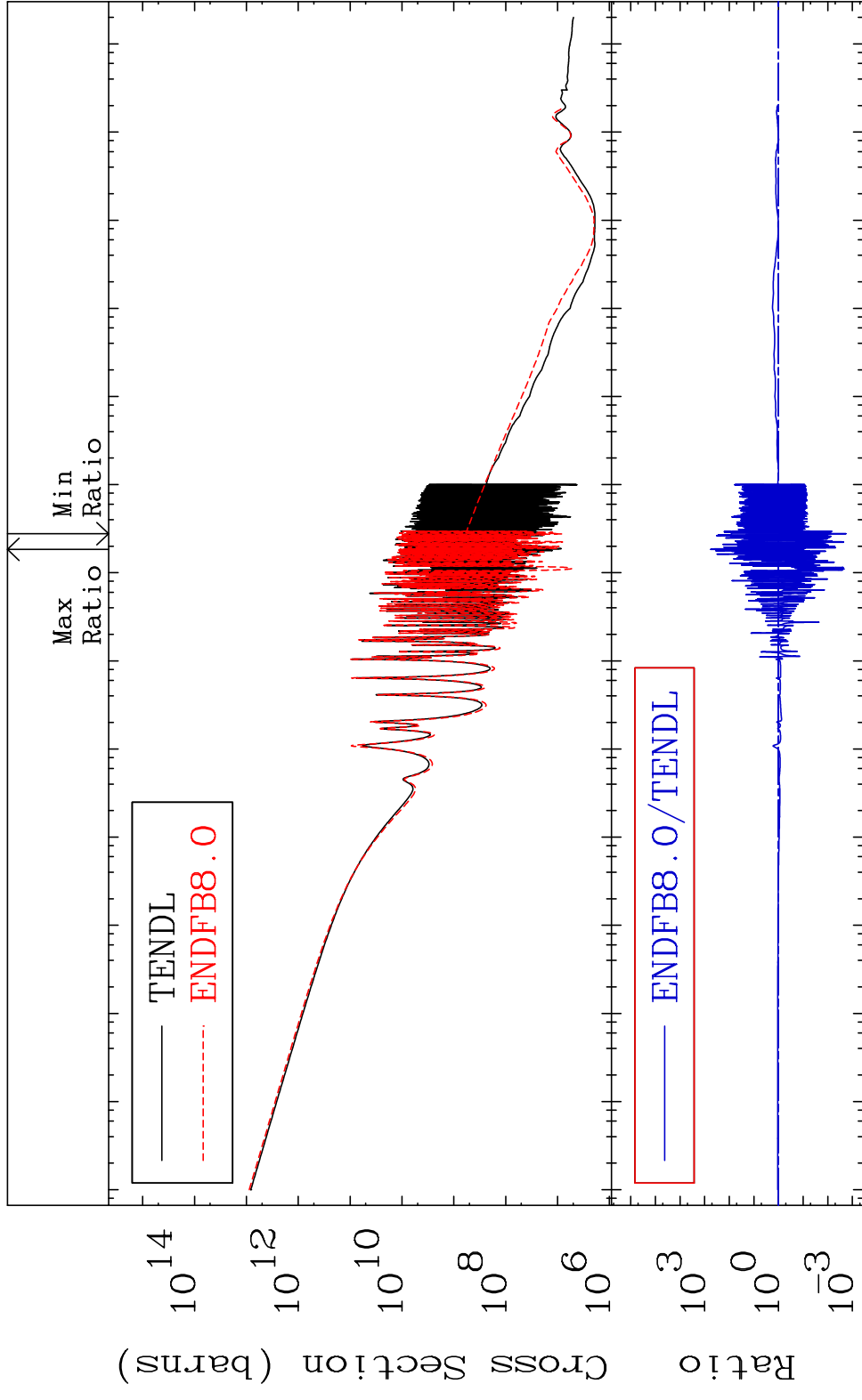


40

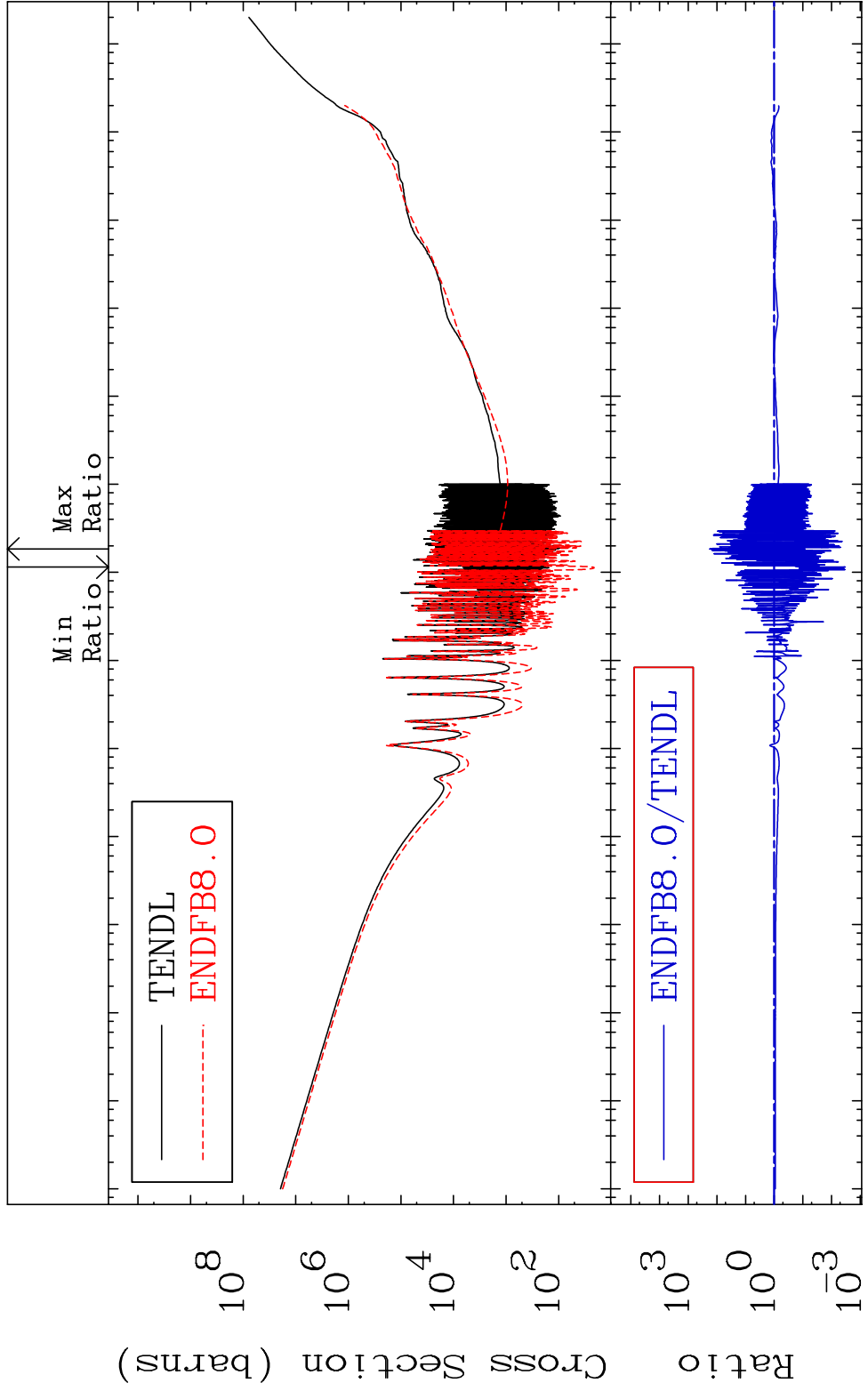
Incident Energy (eV)

62-Sm-151

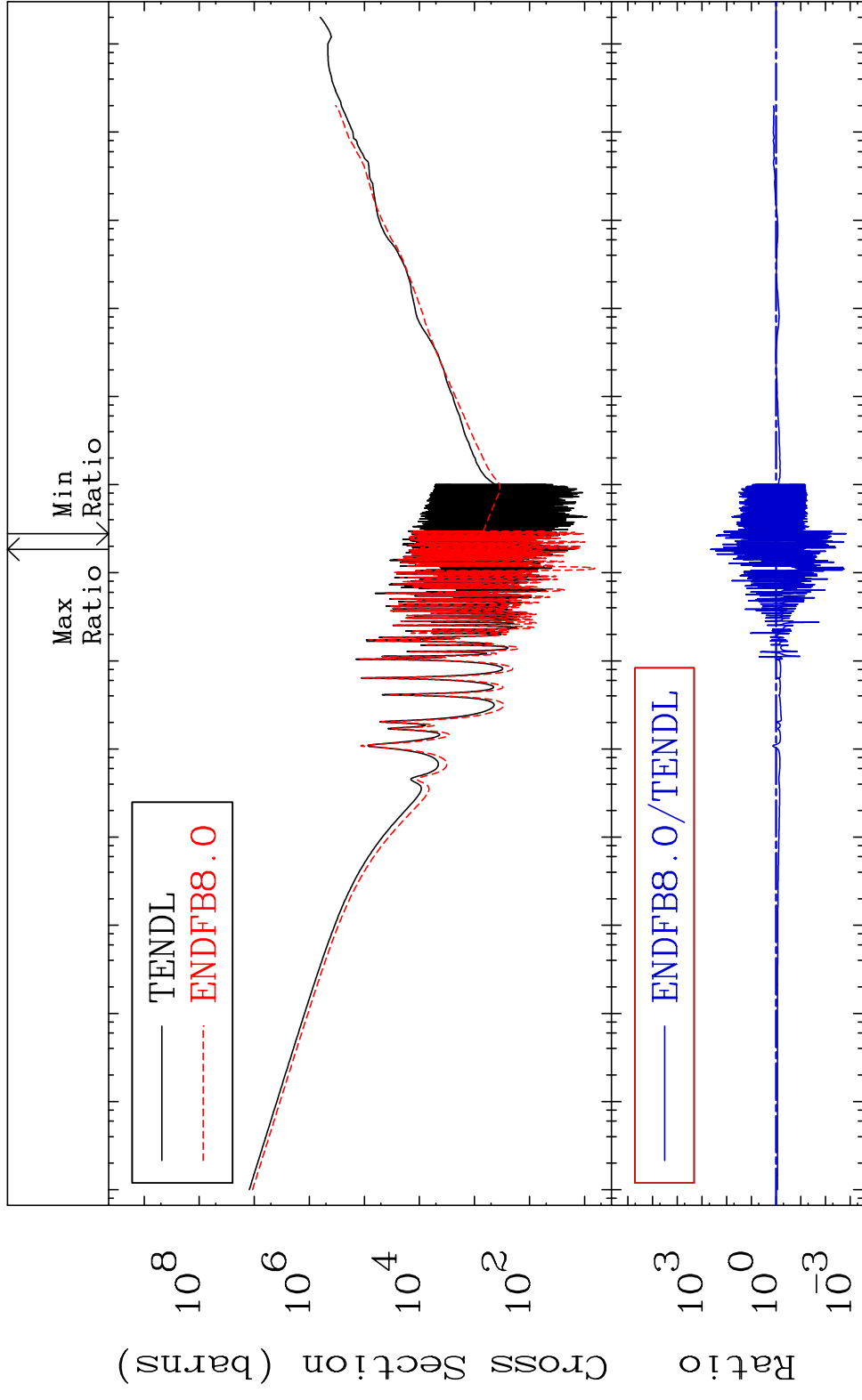
MAT 6246 Total photon (eV-barns) 62-Sm-151
 Cross Section -99.82 To 9999. %



MAT 6246 Total kinematic kerma (high limit) 62-Sm-151
Cross Section -99.67 To 9999. %



MAT 6246 Dpa total (eV-barns) 62-Sm-151
 Cross Section -99.86 To 9999. %



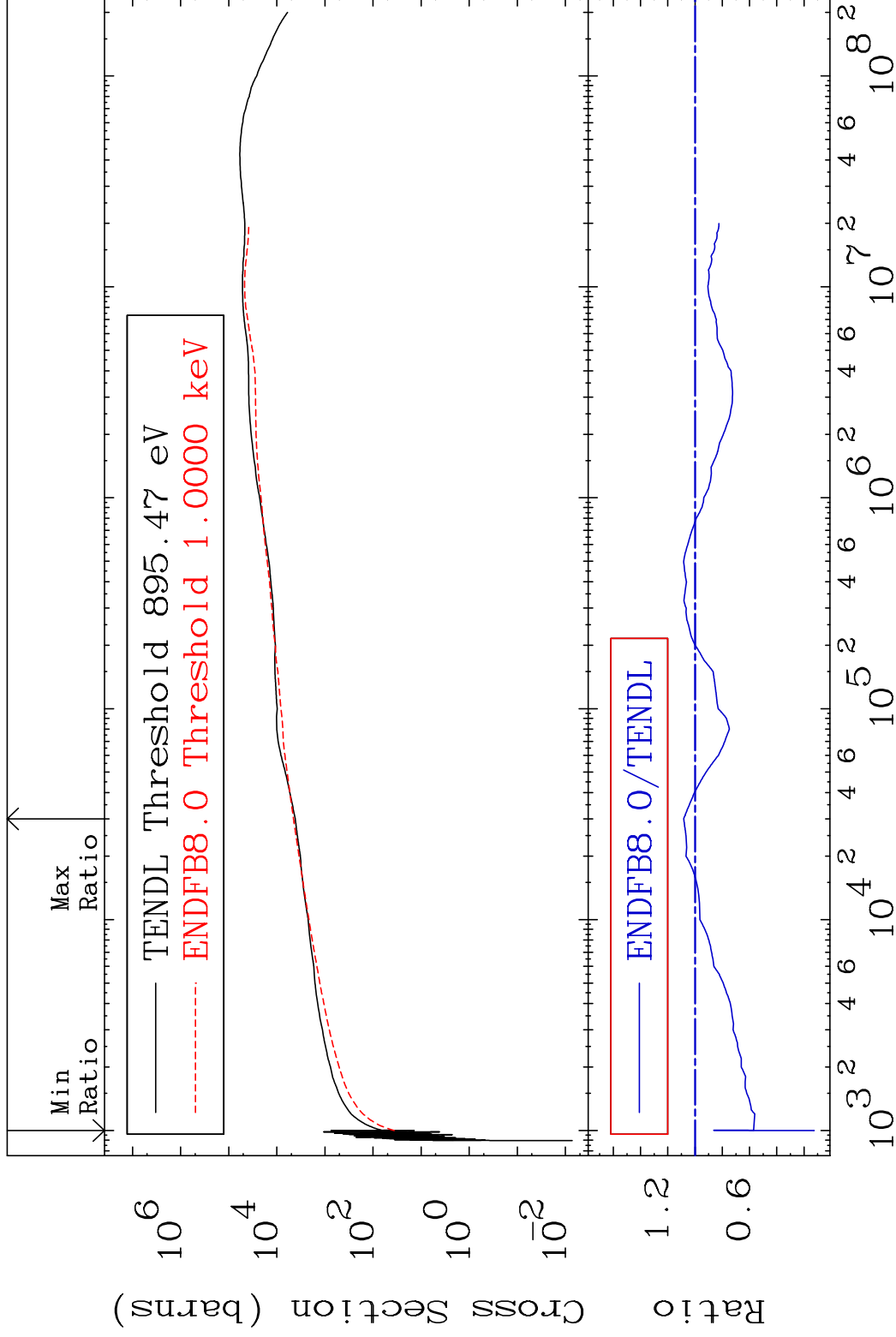
43 Incident Energy (eV) 62-Sm-151

MAT 6246

Dpa elastic (mt2)

62-Sm-151

Cross Section -87.40 To 8.351 %

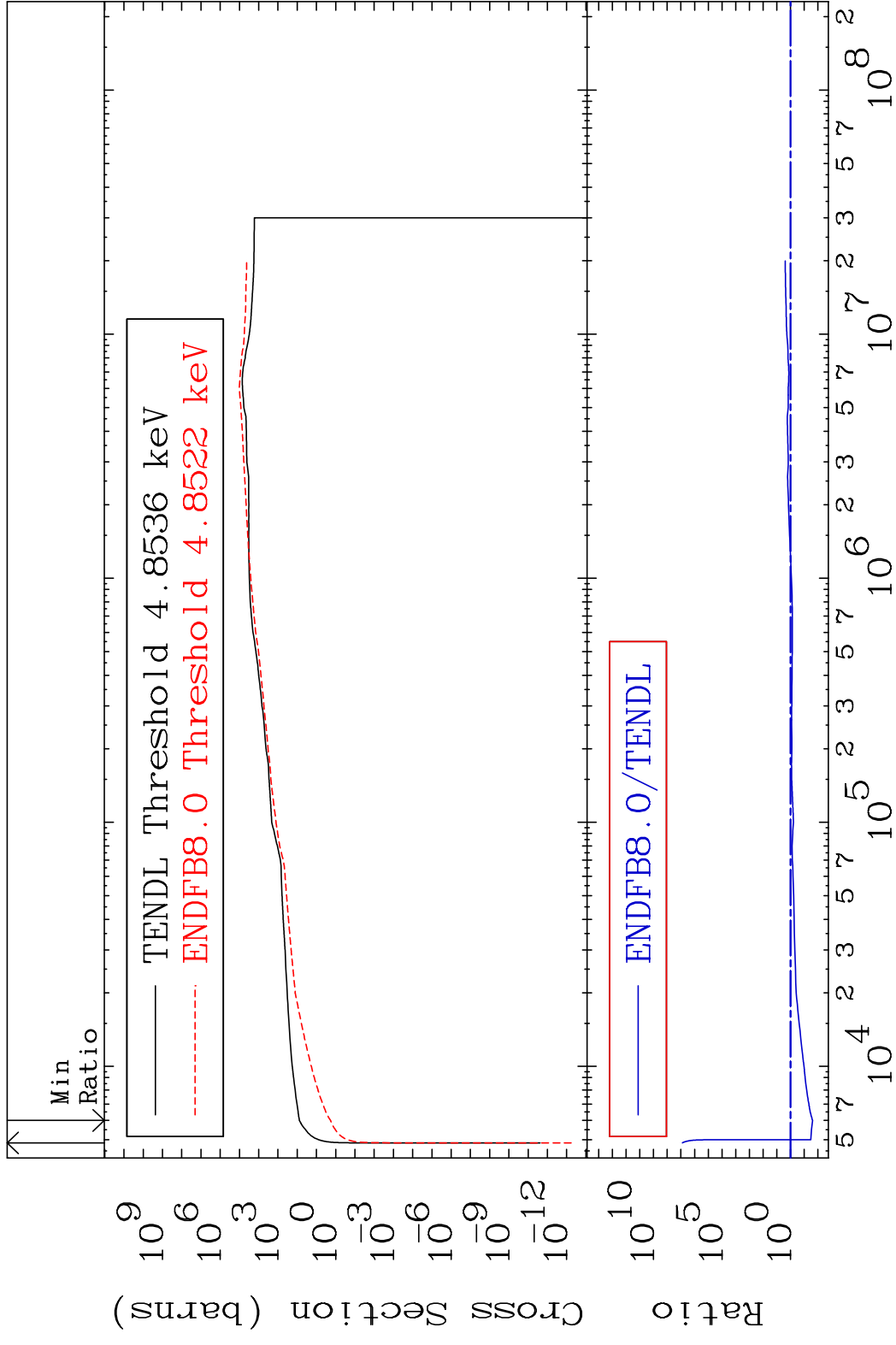


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Incident Energy (eV)

62-Sm-151

MAT 6246 Dpa inelastic (mt51-91) 62-Sm-151
 Cross Section -97.59 To 9999. %



MAT 6246 Dpa disappearance (mt102 -120) 62-Sm-151
 Cross Section -99.86 To 9999. %

