

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

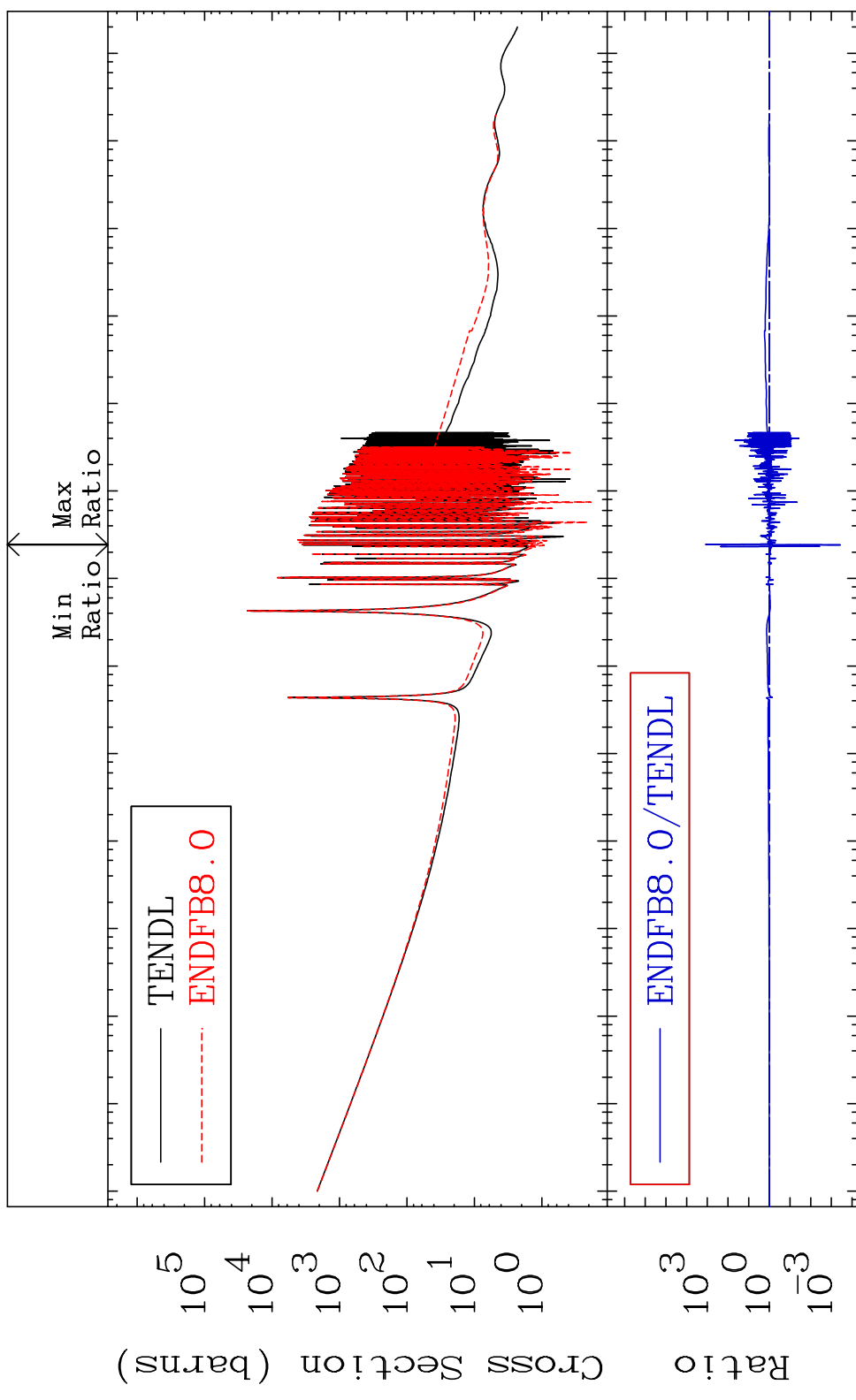
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6034

Total Cross Section
60-Nd-145
-99.96 To 9999. %



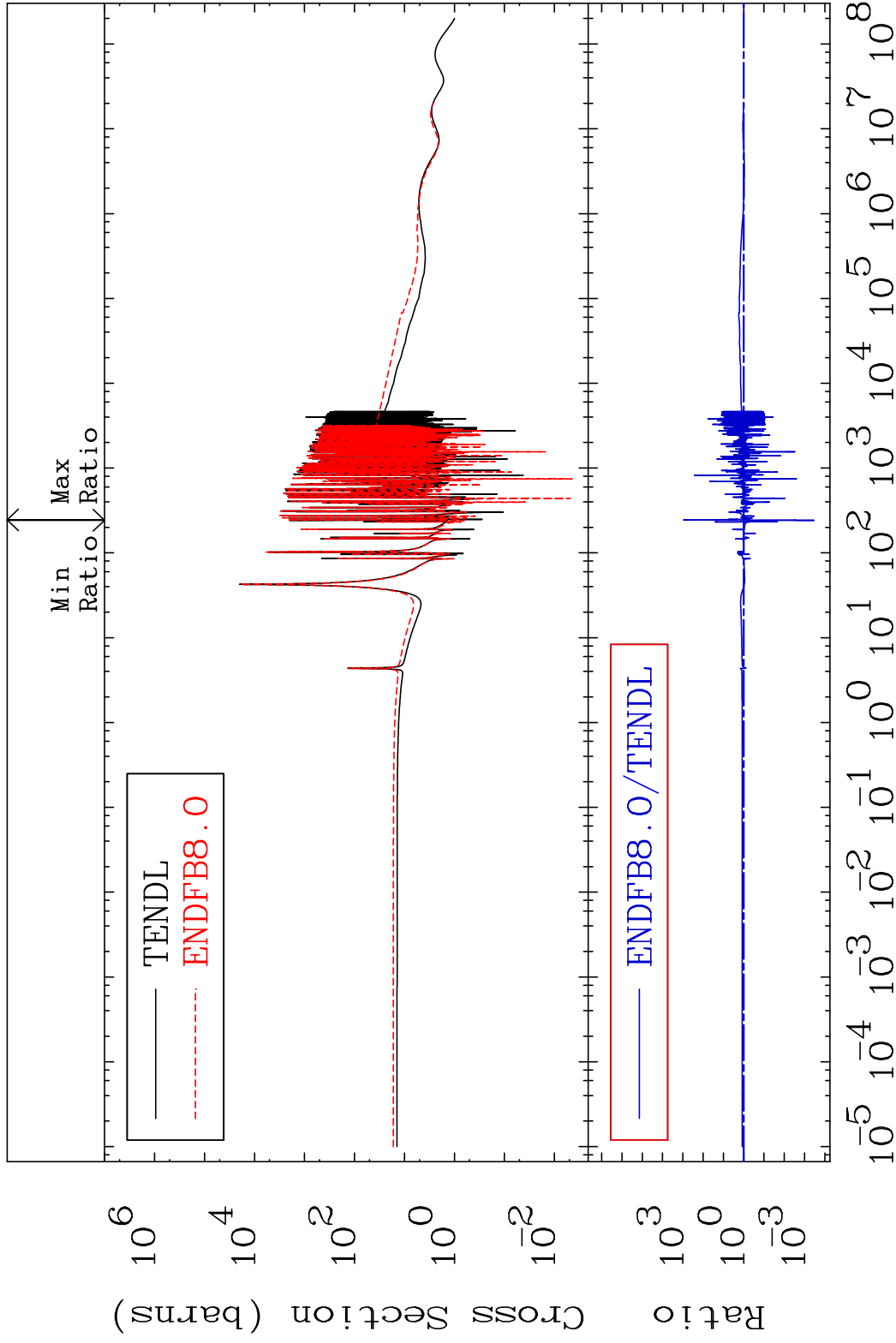
1 Incident Energy (eV) 60-Nd-145

MAT 6034

Elastic

60-Nd-145

Cross Section -99.97 To 9999. %

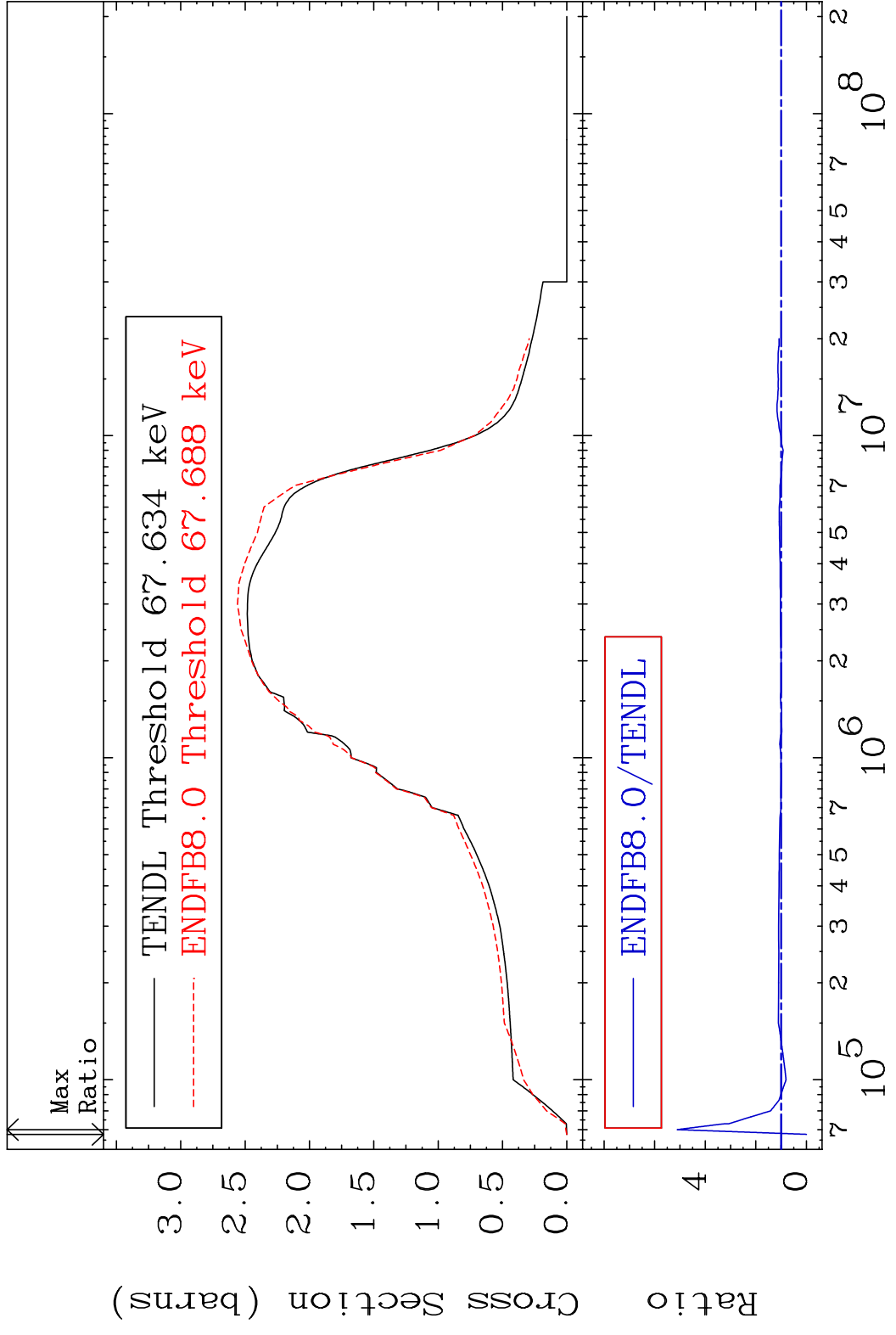


2

Incident Energy (eV)

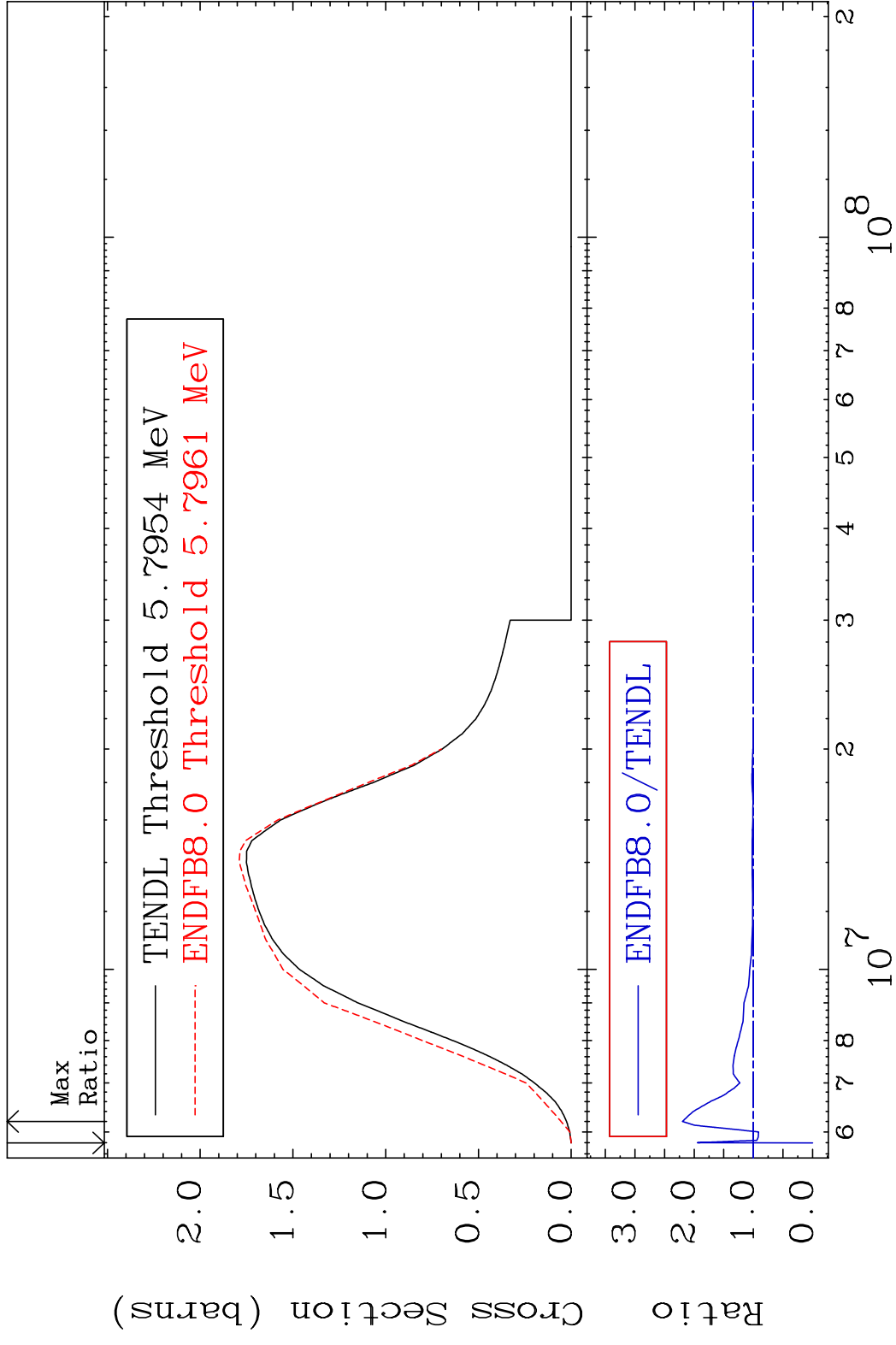
60-Nd-145

MAT 6034 Inelastic 60-Nd-145
Cross Section -100.0 To 411.0 %



3 60-Nd-145

MAT 6034 (n,2n) 60-Nd-145
 Cross Section -100.0 To 120.0 %



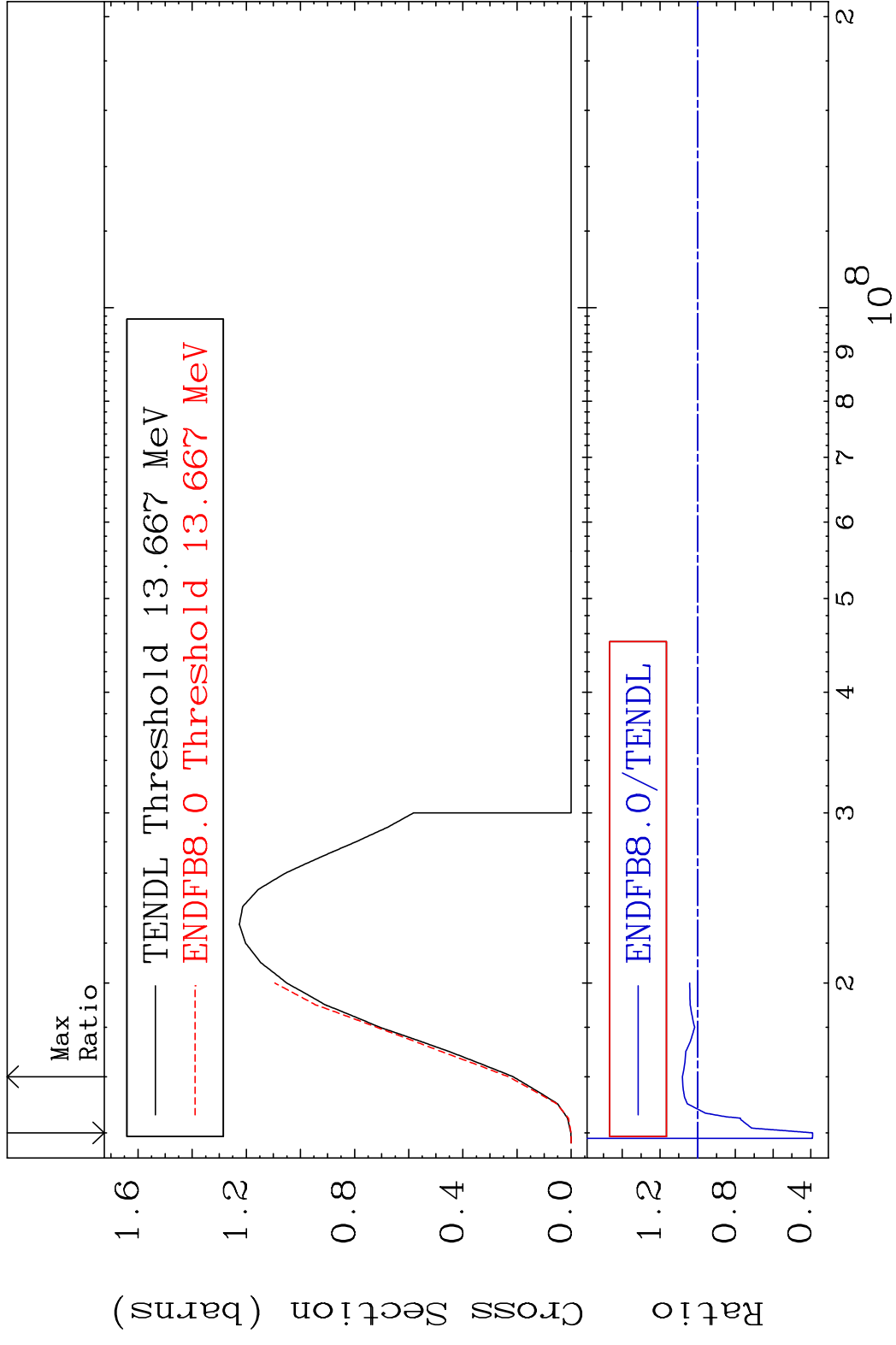
4 Incident Energy (eV) 60-Nd-145

MAT 6034

(n,3n)

60-Nd-145

Cross Section -60.95 To 8.117 %



5

Incident Energy (eV)

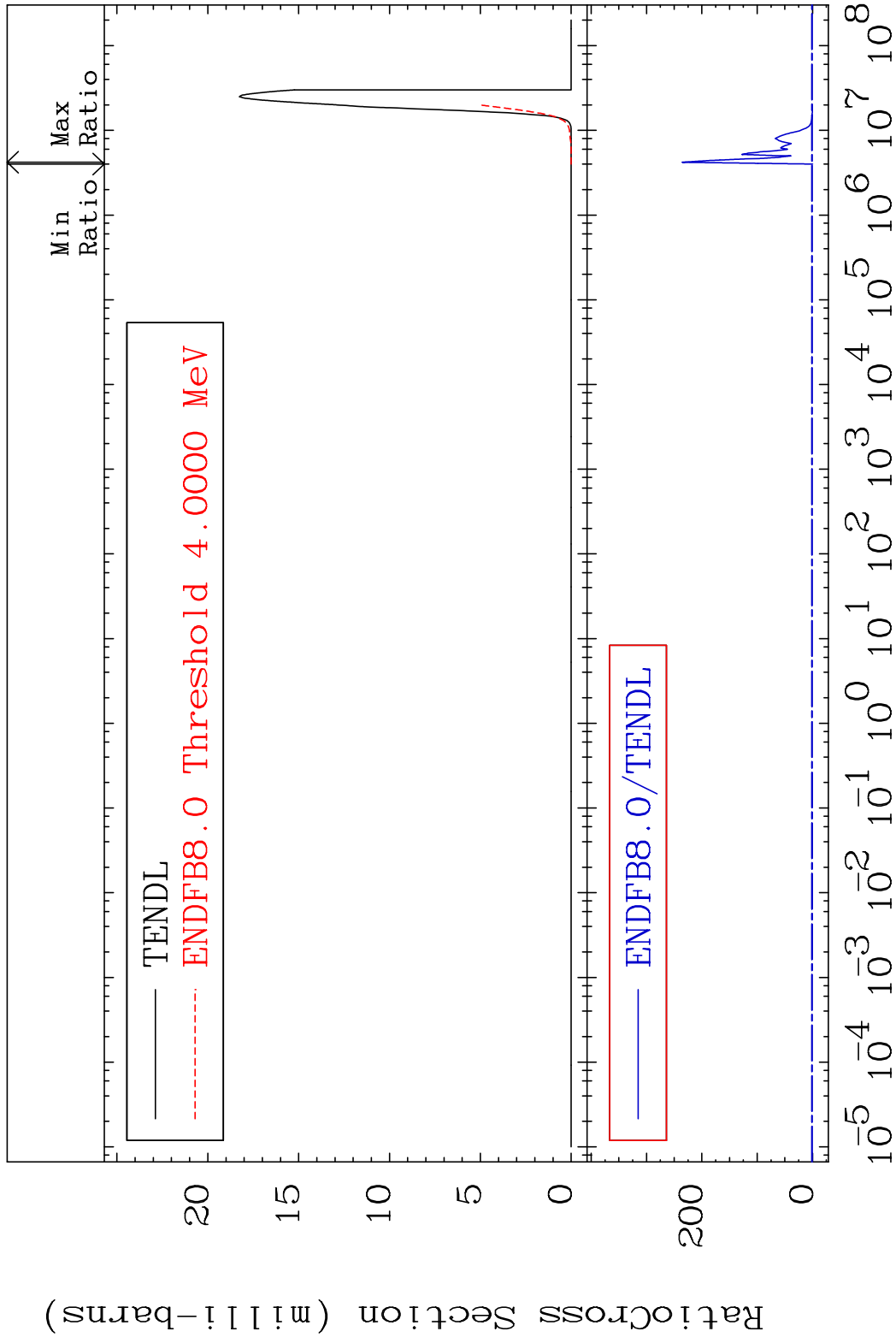
60-Nd-145

MAT 6034

(n, n') α

60-Nd-145

Cross Section -100.0 To 9999. %

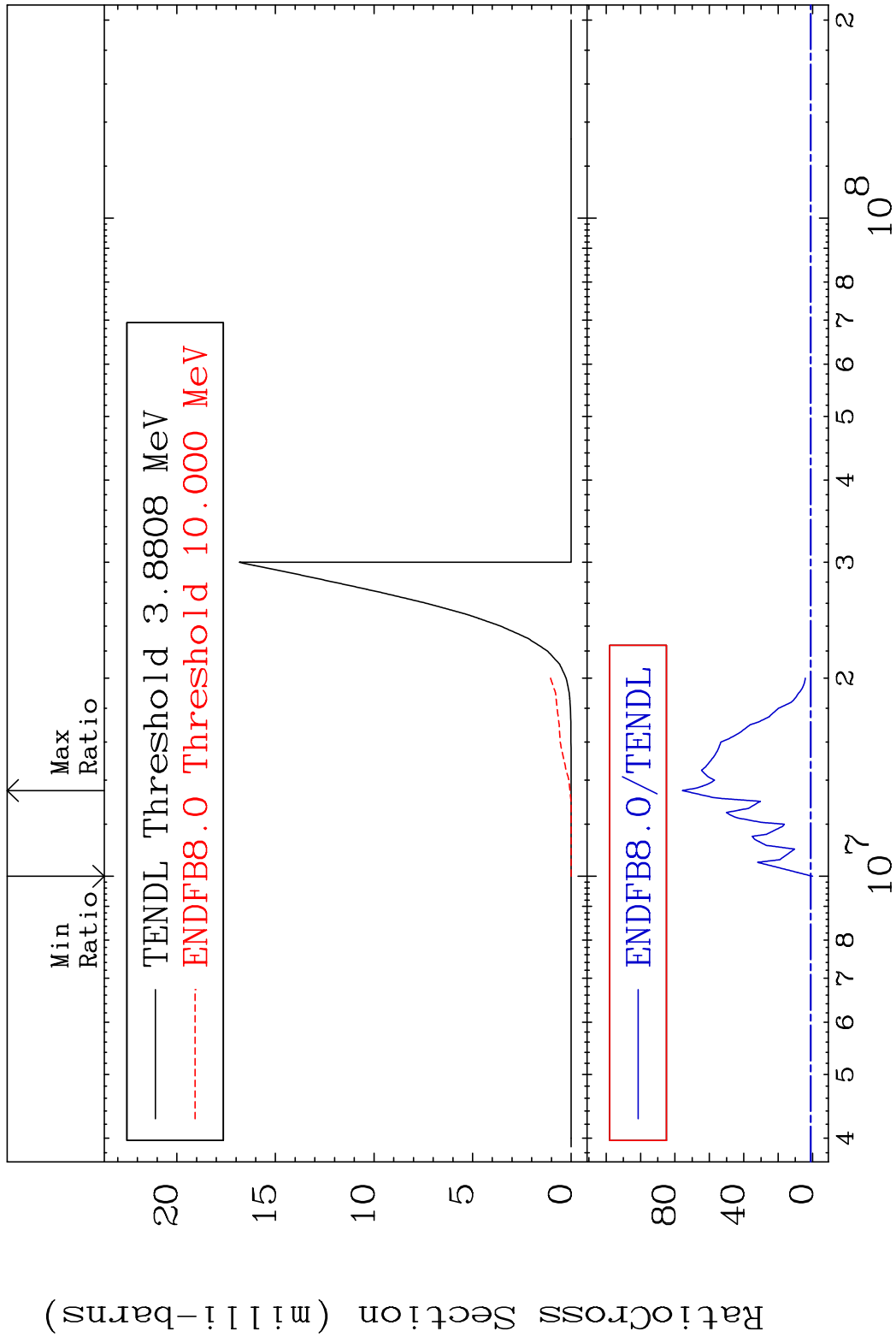


MAT 6034

(n,2n) α

60-Nd-145

Cross Section -100.0 To 7469. %

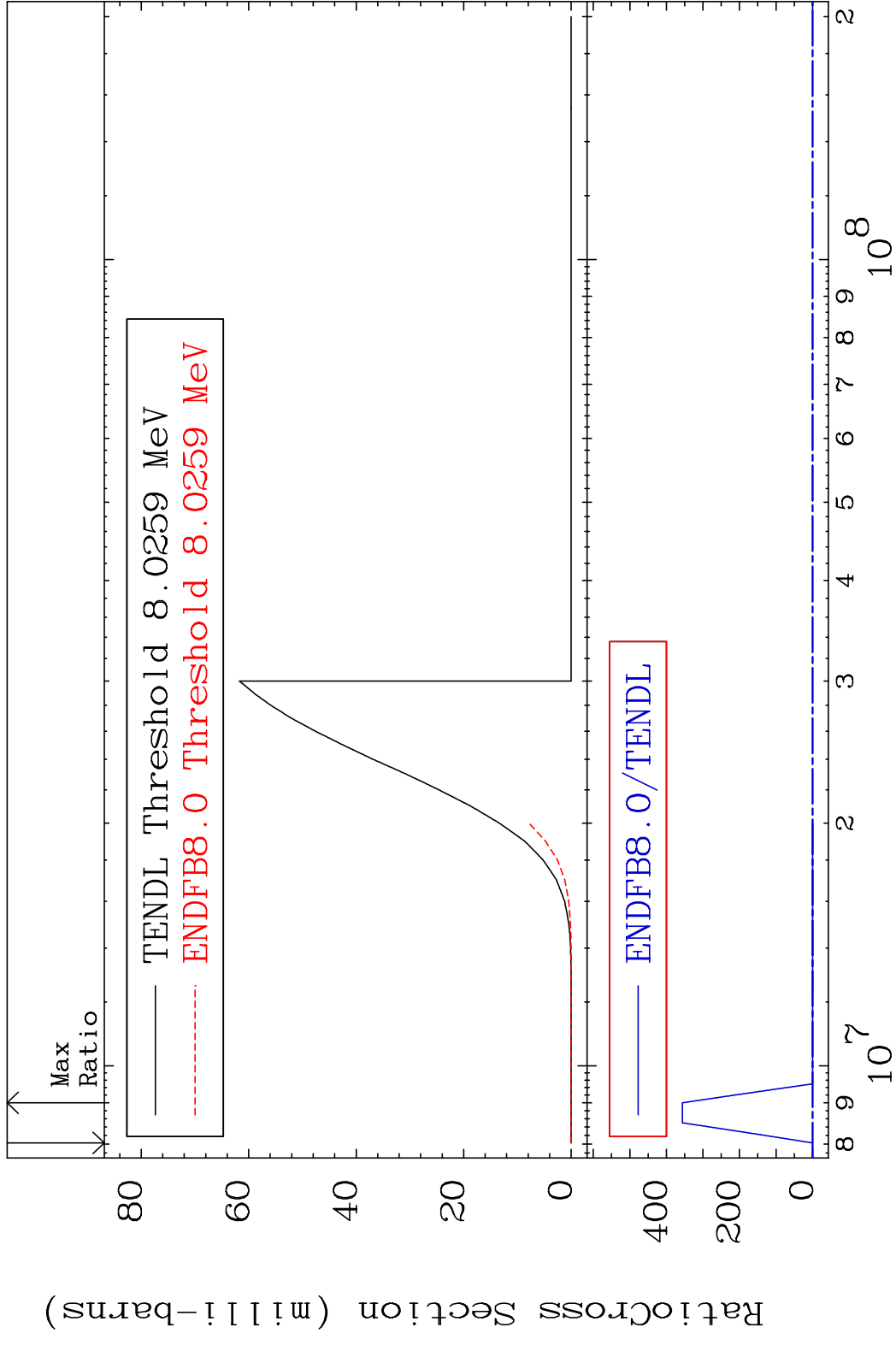


7

Incident Energy (eV)

60-Nd-145

MAT 6034 (n, n') p 60-Nd-145
 Cross Section -100.0 To 9999. %



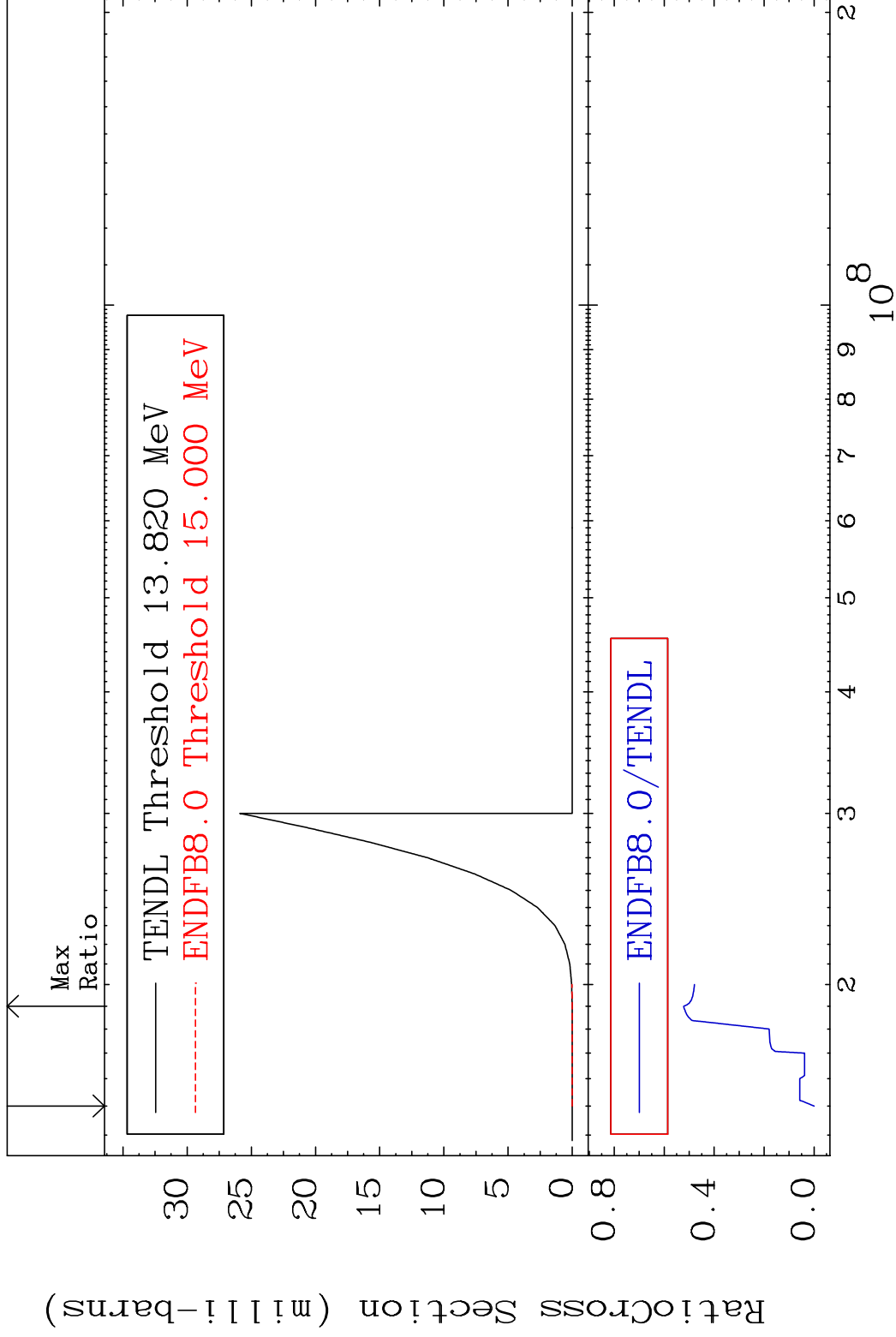
8 9 10⁷ 2 3 4 5 6 7 8 9 10⁸ 2
 60-Nd-145

MAT 6034

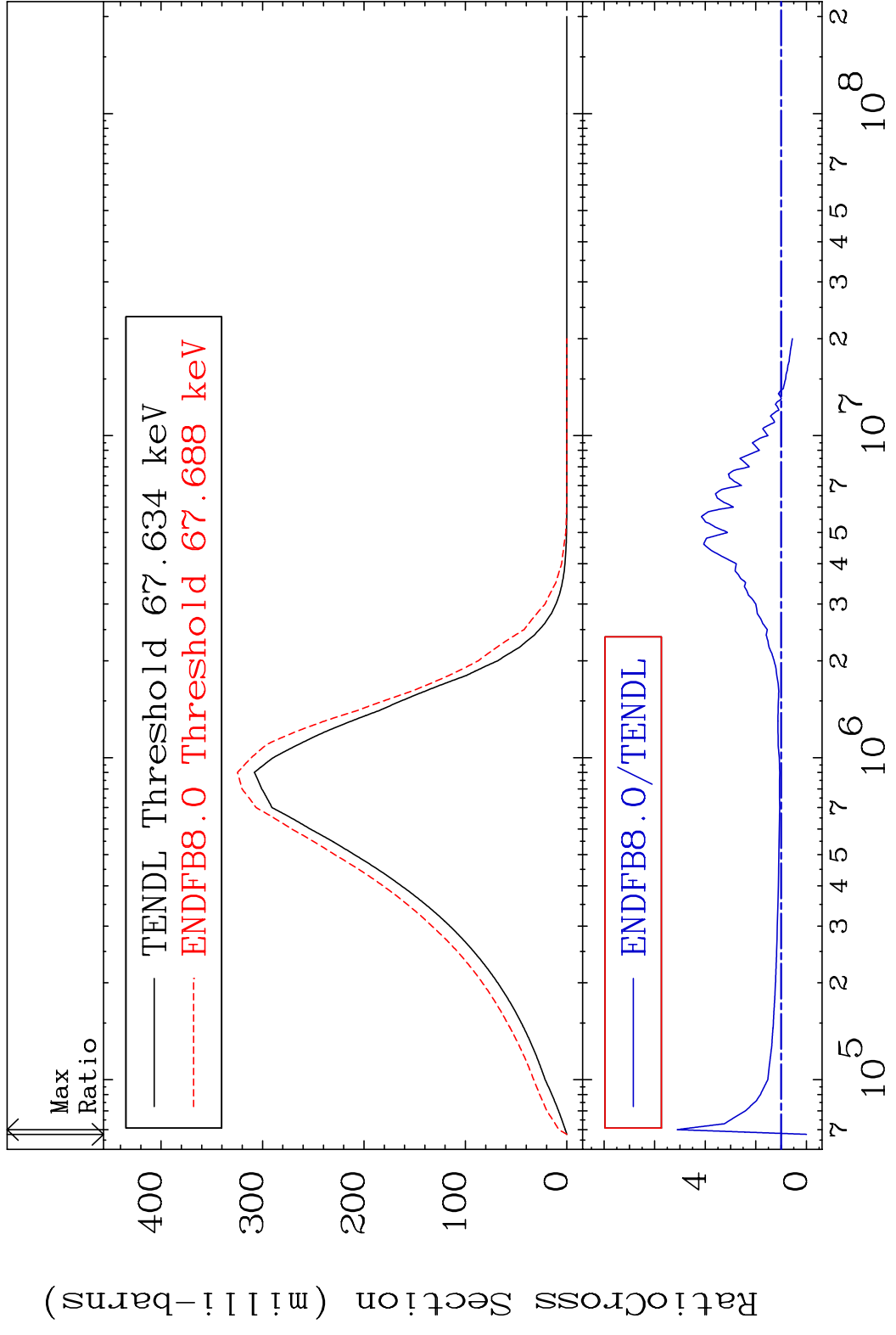
(n,2n) p

60-Nd-145

Cross Section -100.0 To -47.78%

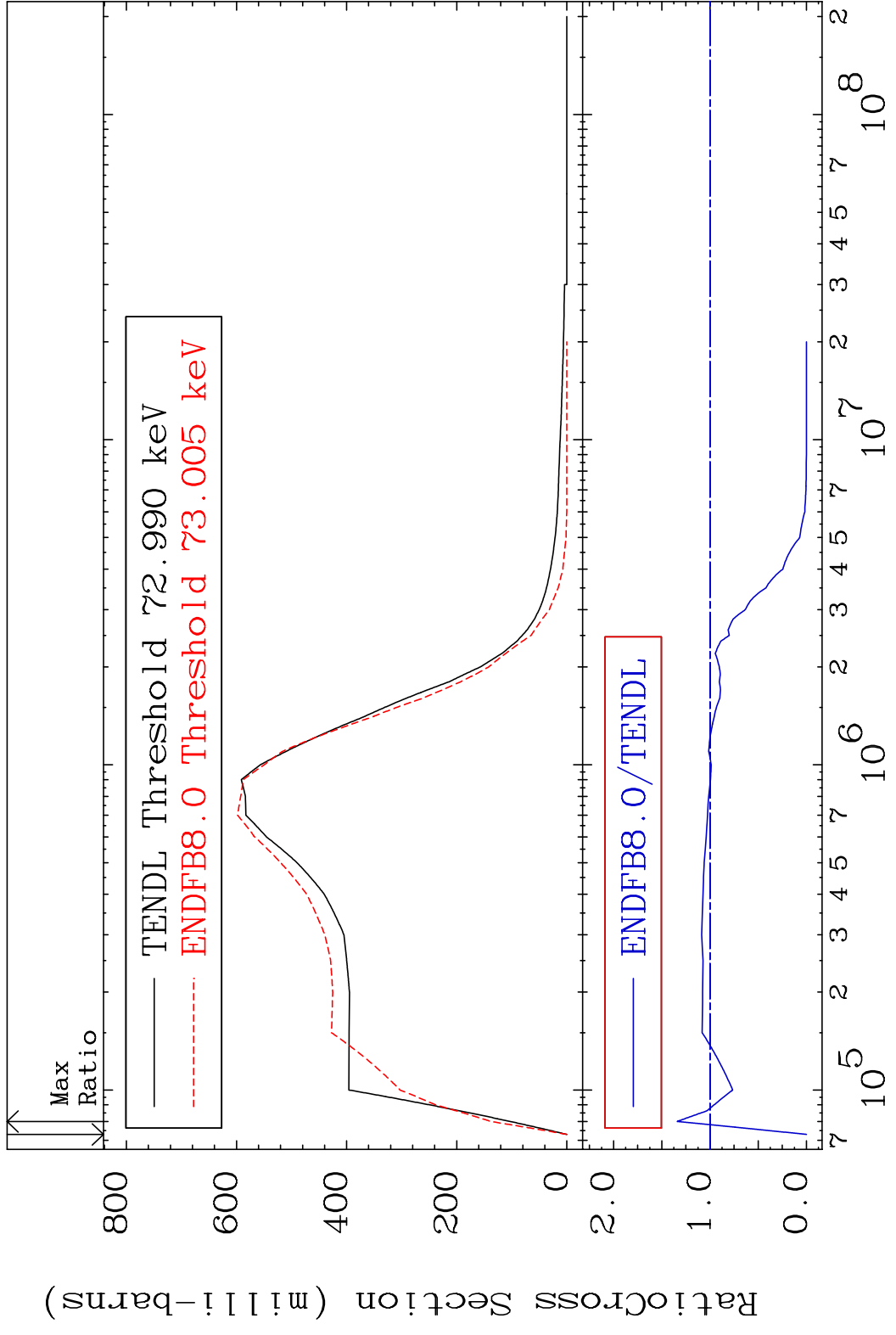


MAT 6034 MT= 51 (n,n') Level 60-Nd-145
 Cross Section -100.0 To 411.0 %

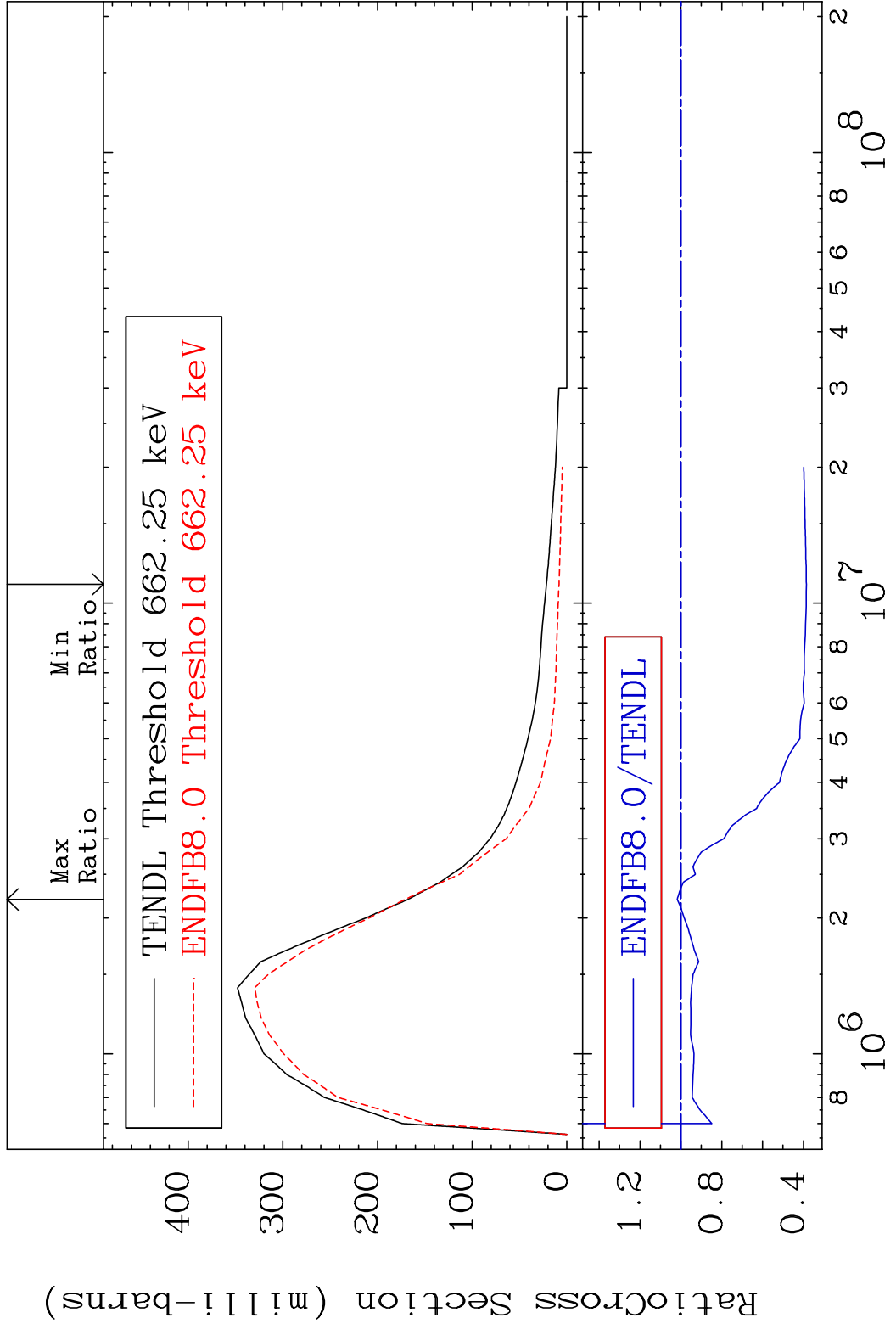


10 2 3 4 5 7 2 3 4 5 7 2 3 4 5 7 8 2
 60-Nd-145

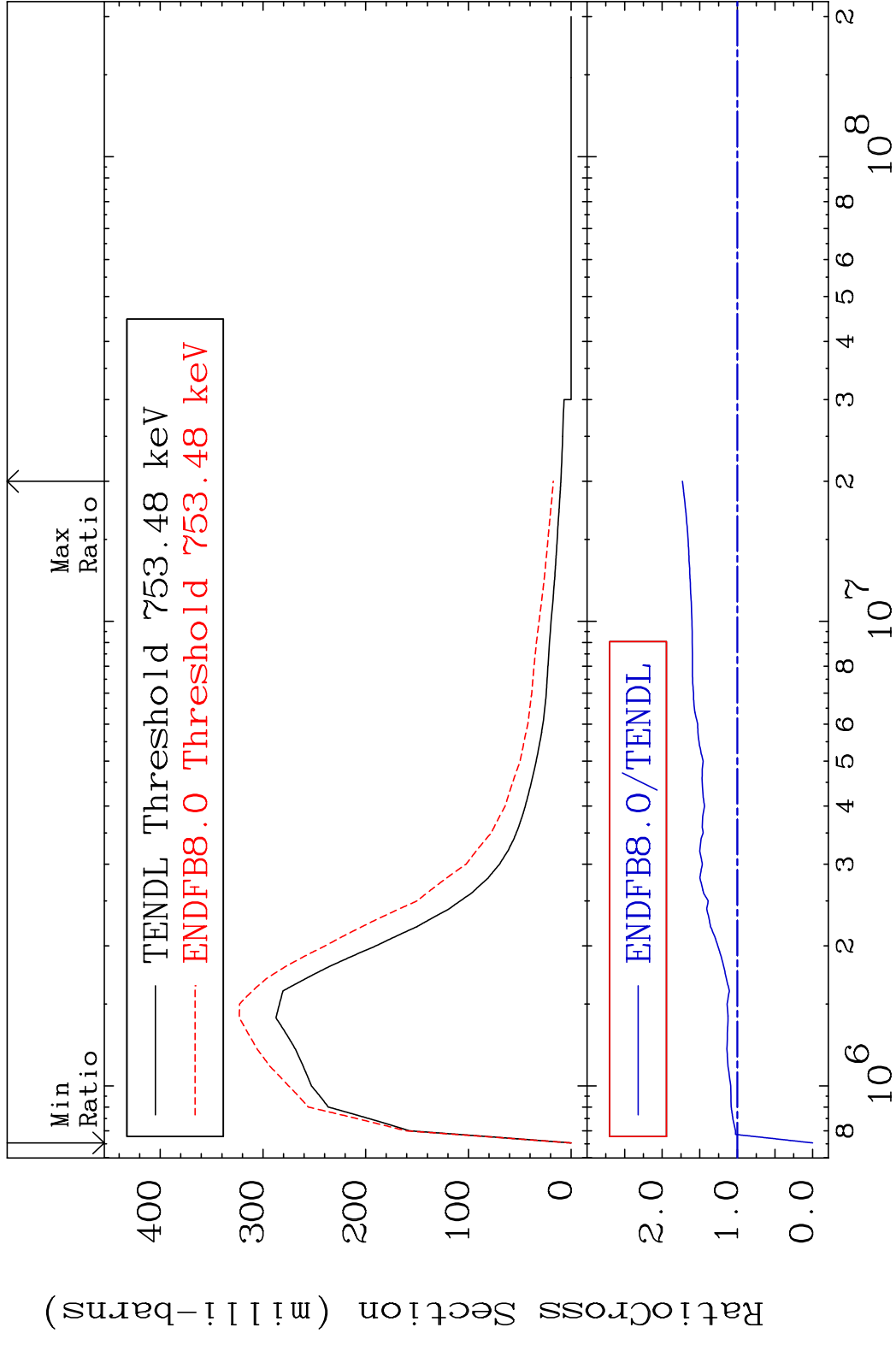
MAT 6034 MT= 52 (n,n') Level 60-Nd-145
 Cross Section -100.0 To 34.02 %



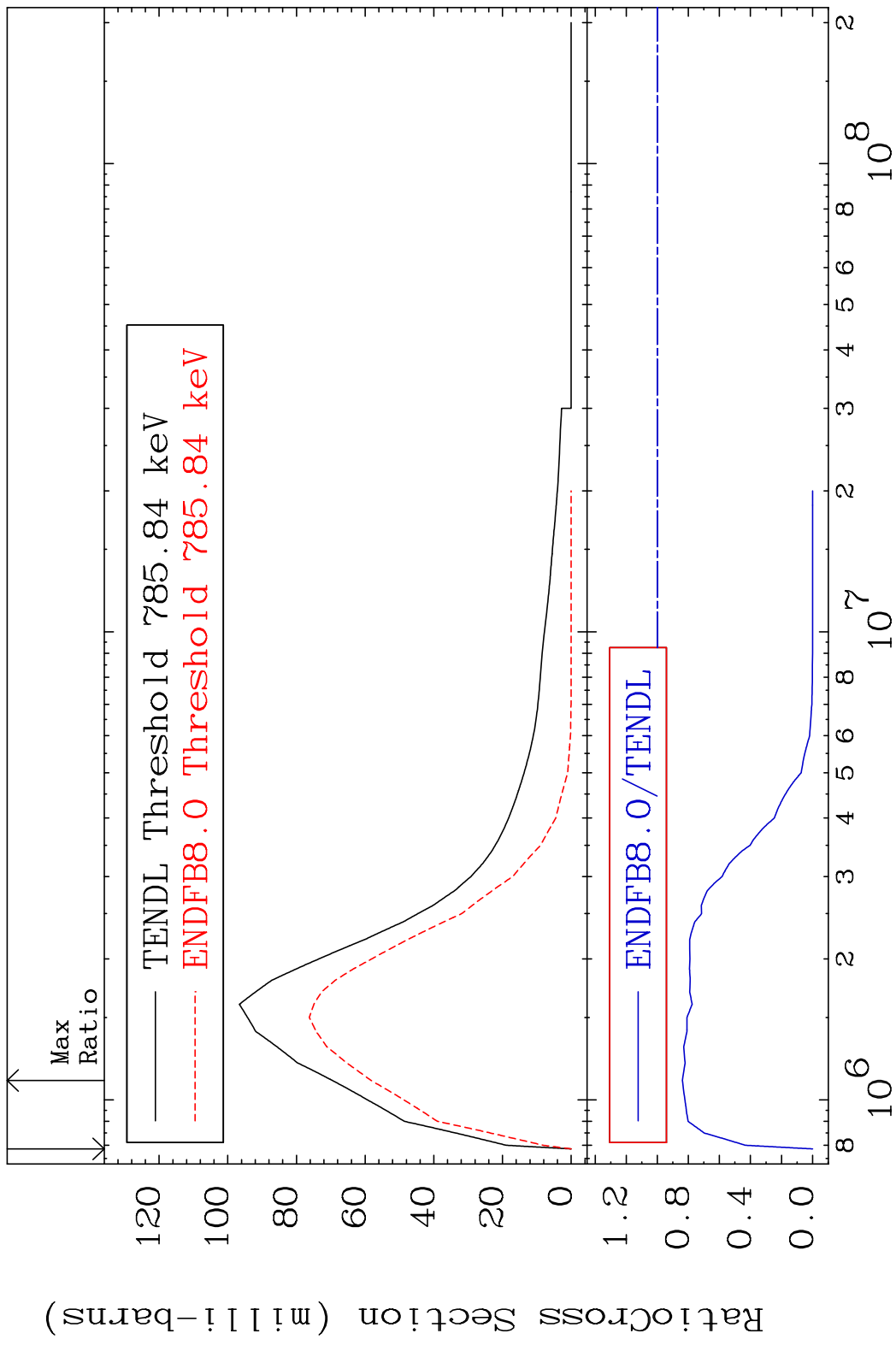
MAT 6034 MT= 53 (n, n') Level 60-Nd-145
 Cross Section -61.45 To 1.798 %



MAT 6034 MT= 54 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 73.17 %

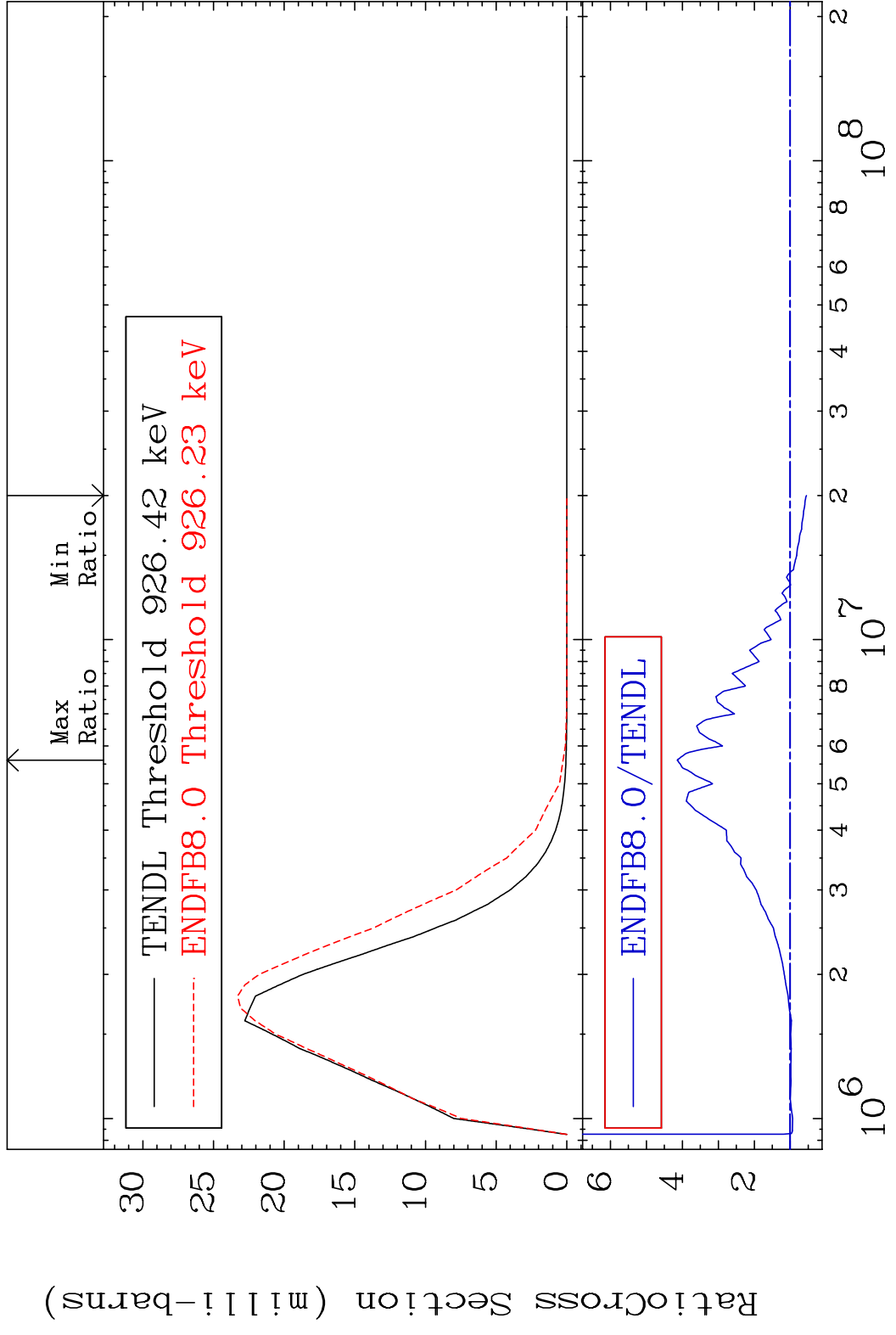


MAT 6034 MT= 55 (n,n') Level 60-Nd-145
 Cross Section -100.0 To -16.15%



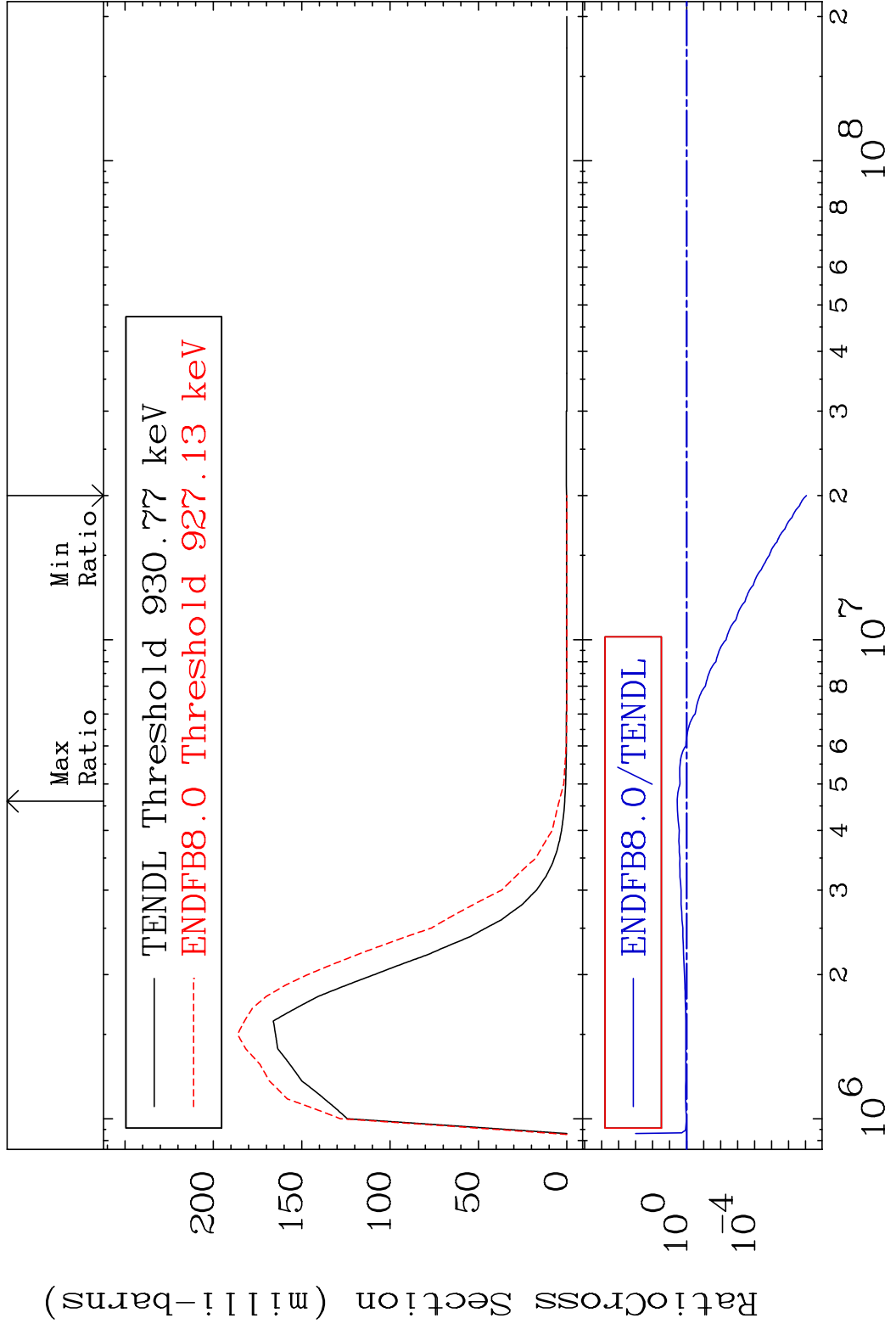
14 Incident Energy (eV) 60-Nd-145

MAT 6034 MT= 56 (n, n') Level 60-Nd-145
 Cross Section -44.90 To 314.4 %



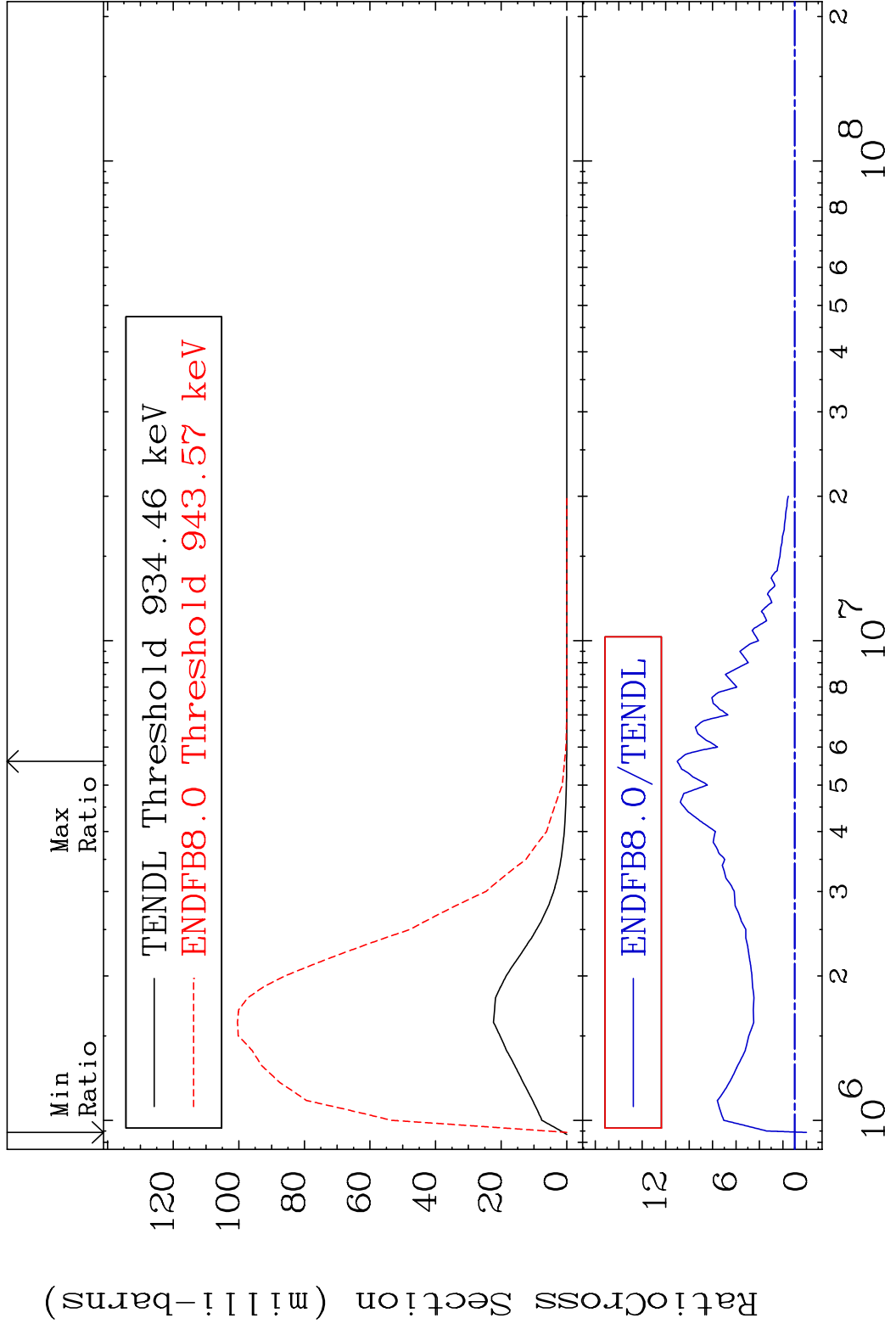
15 Incident Energy (eV) 60-Nd-145

MAT 6034 MT= 57 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 259.0 %



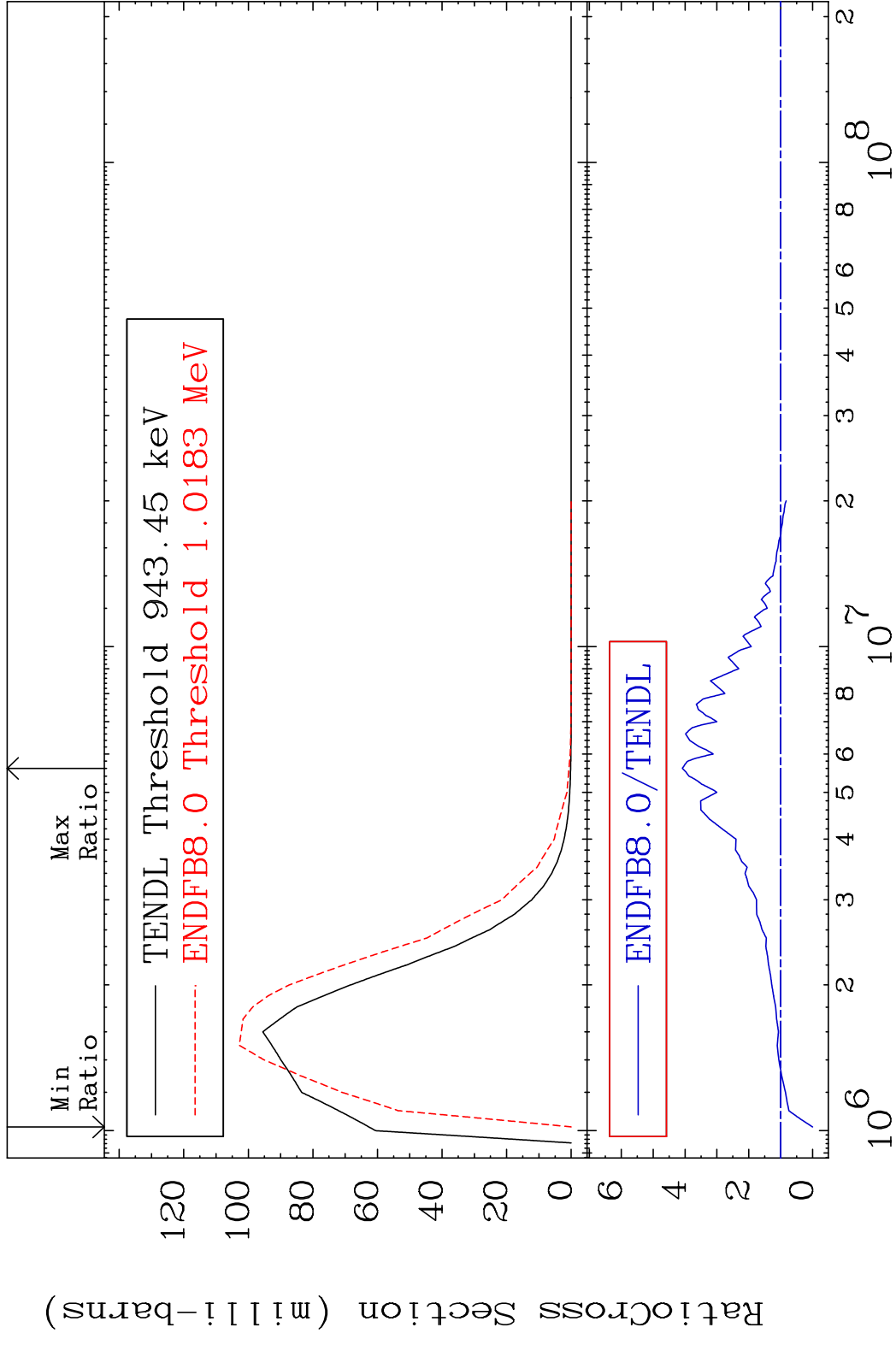
16 Incident Energy (eV) 60-Nd-145

MAT 6034 MT= 58 (n,n') Level 60-Nd-145
 Cross Section -100.0 To 1002. %



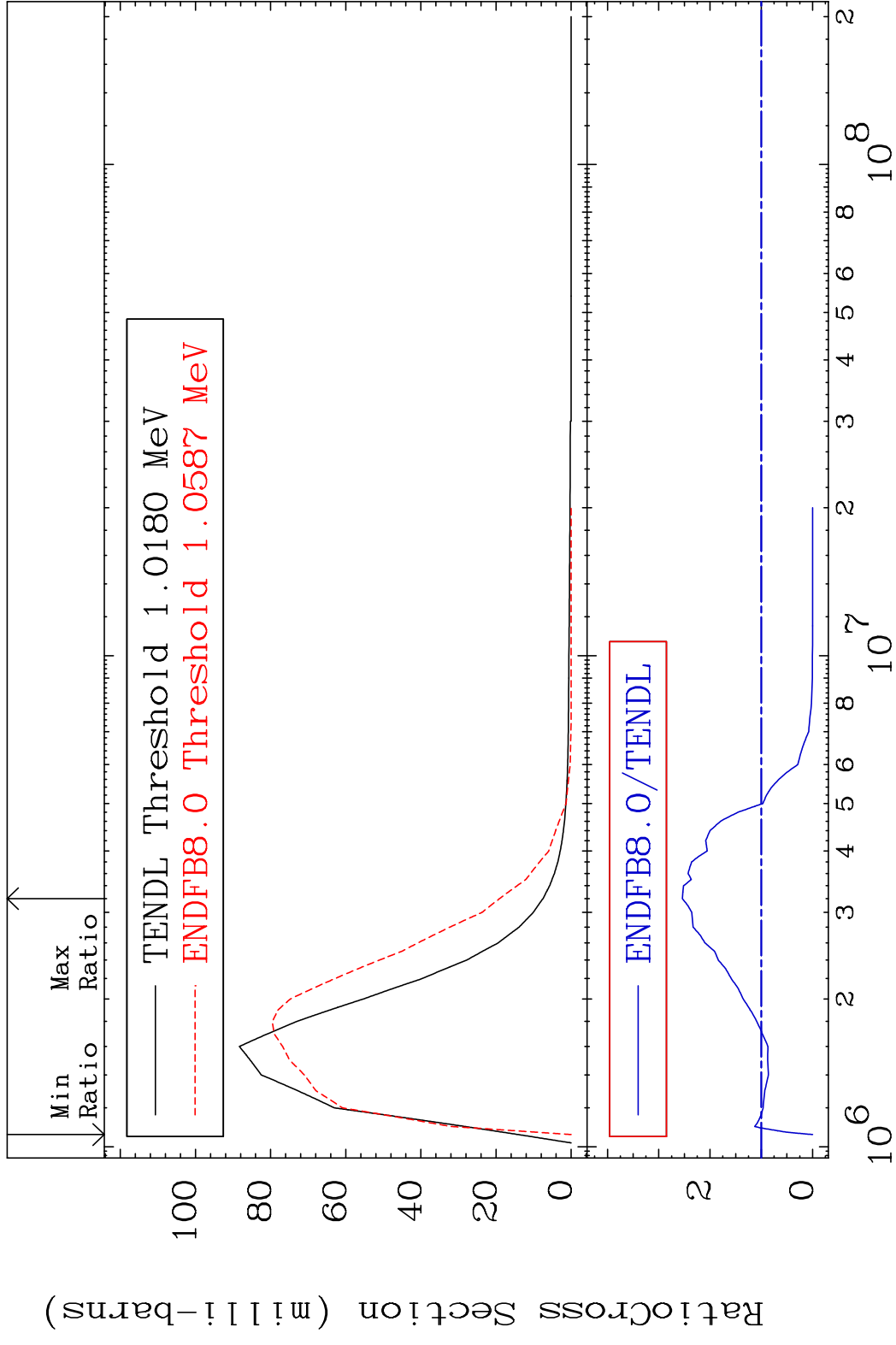
17 Incident Energy (eV) 60-Nd-145

MAT 6034 MT= 59 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 308.5 %

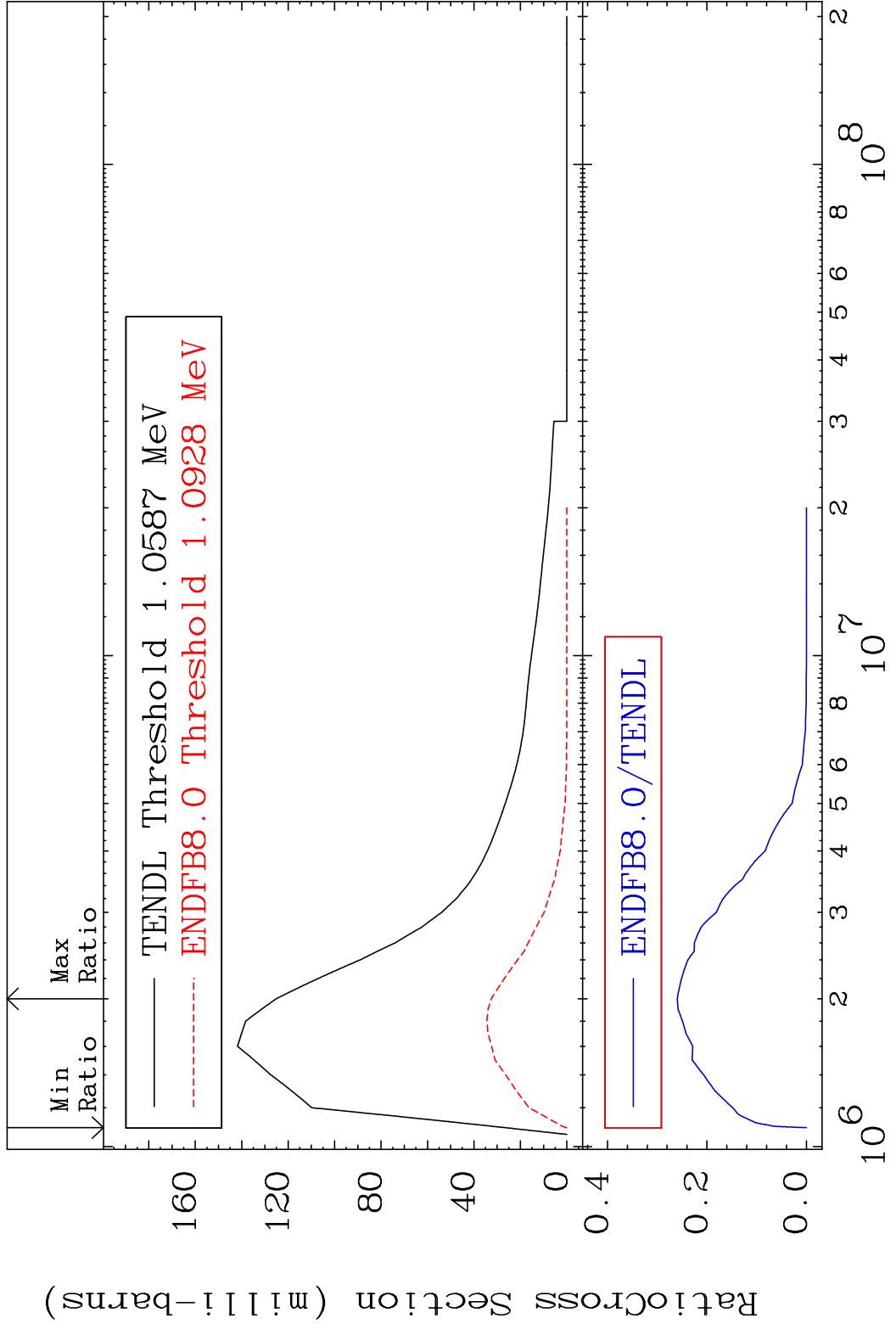


18 60-Nd-145

MAT 6034 MT= 60 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 154.0 %

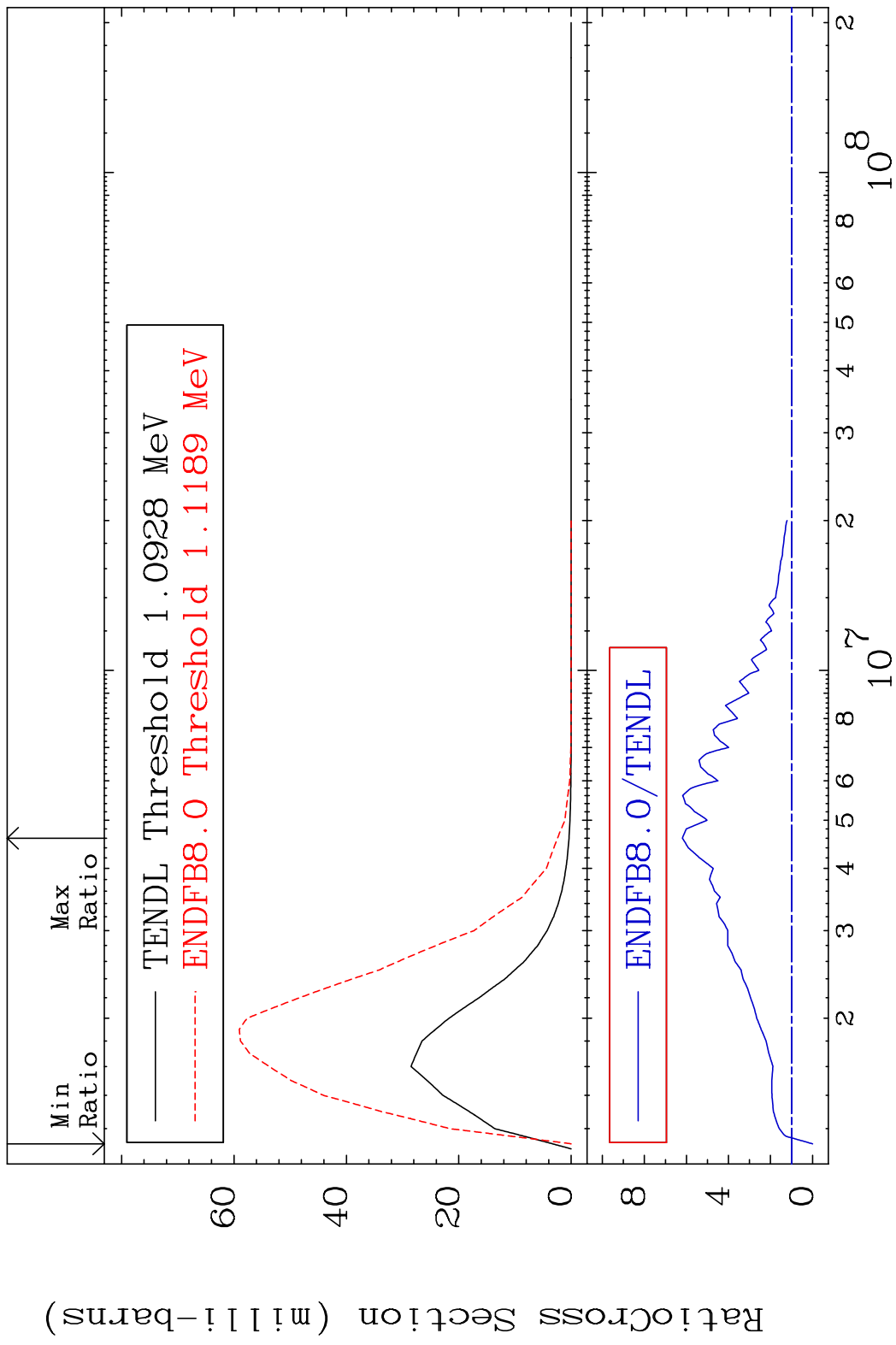


MAT 6034 MT= 61 (n,n') Level 60-Nd-145
 Cross Section -100.0 To -74.02%

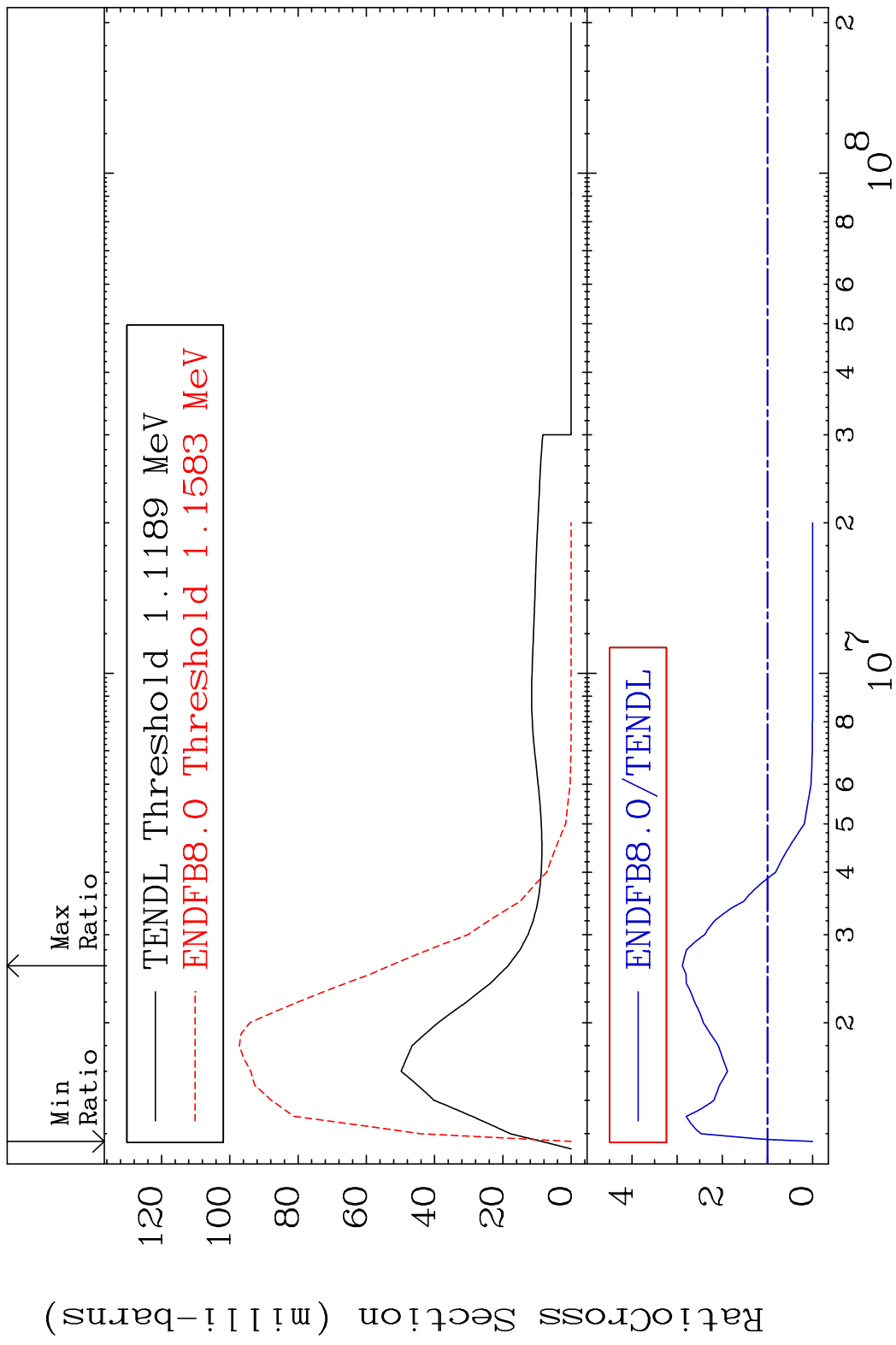


20 60-Nd-145

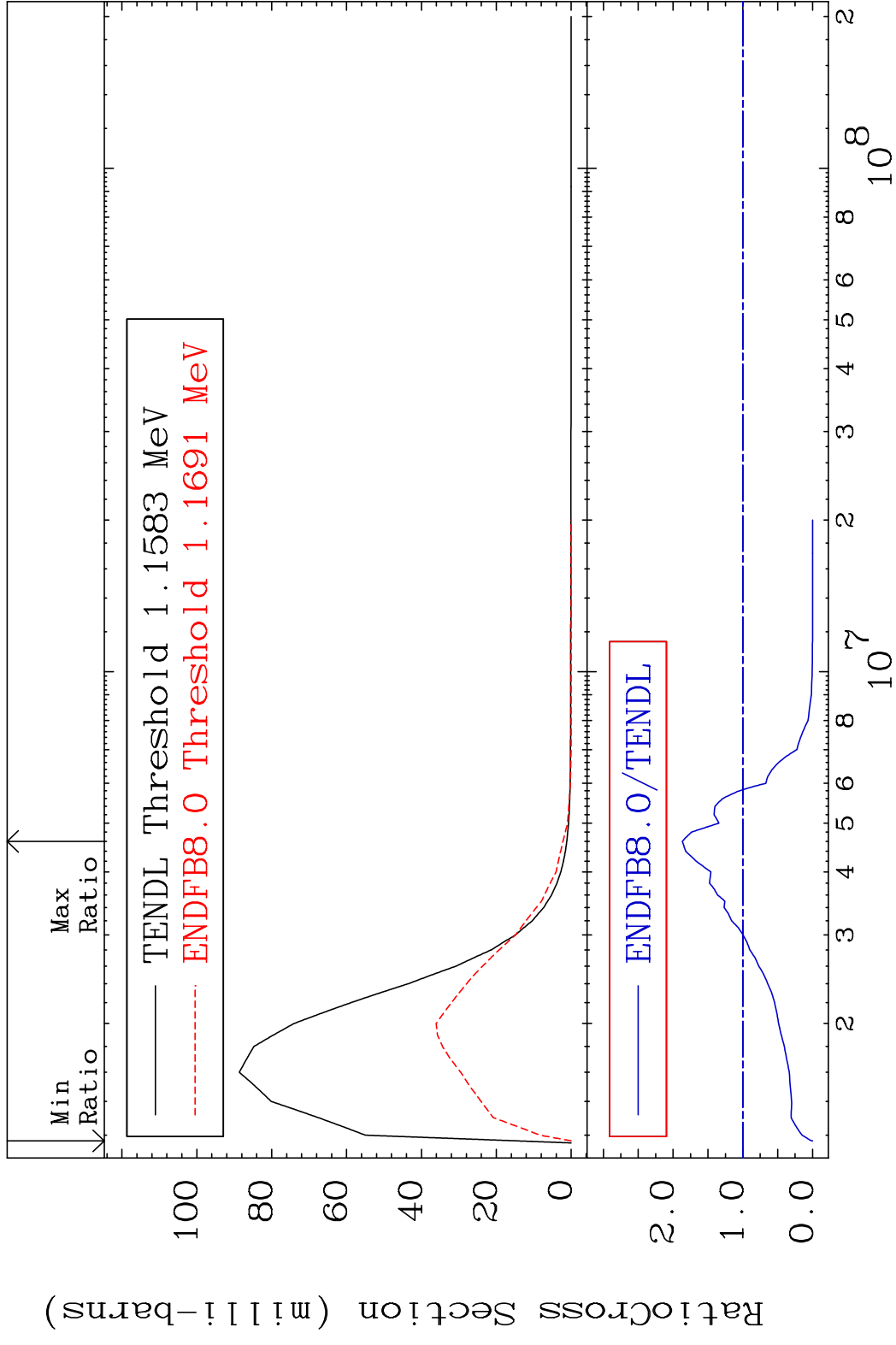
MAT 6034 MT= 62 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 519.4 %



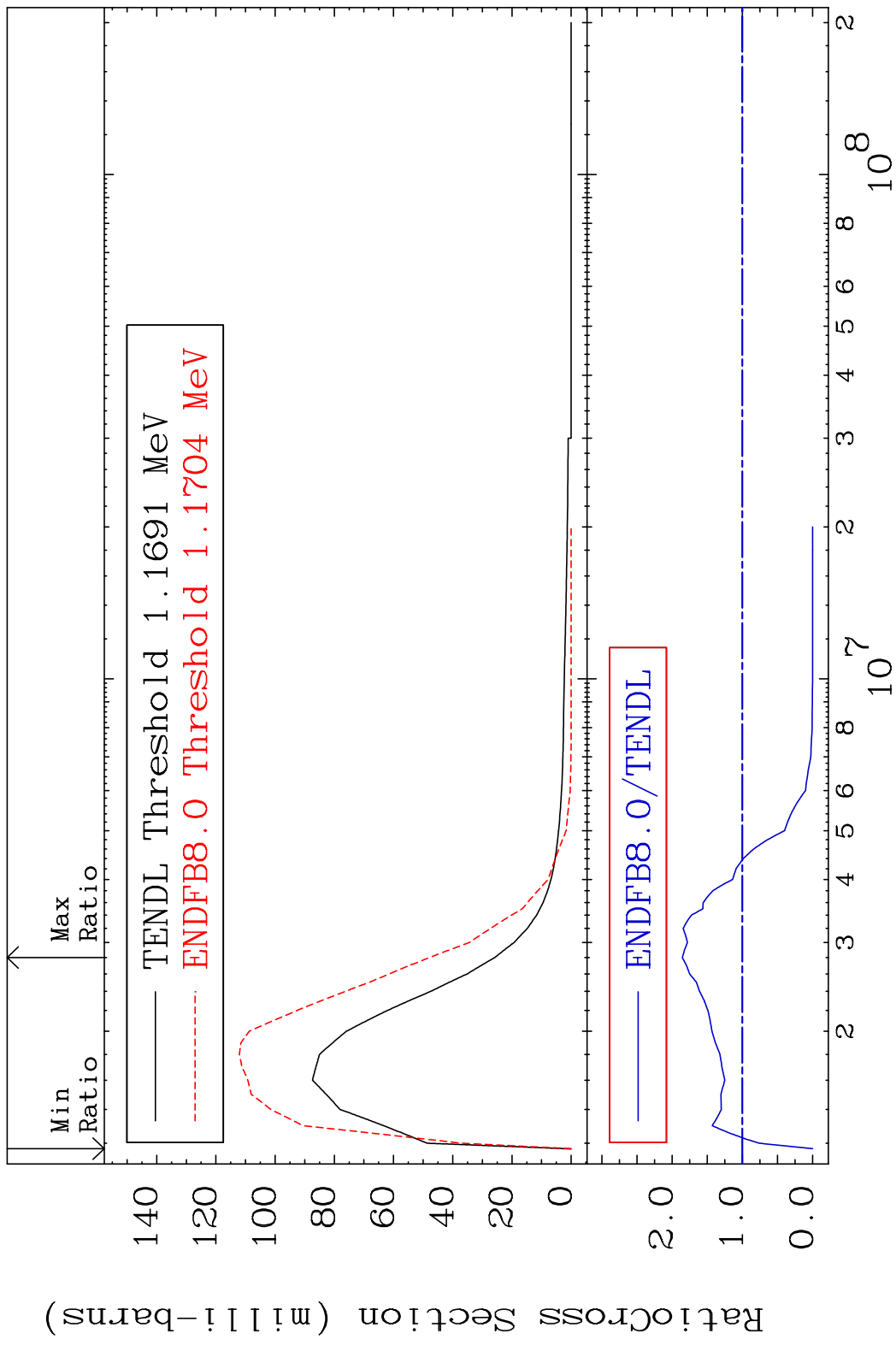
MAT 6034 MT= 63 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 188.3 %



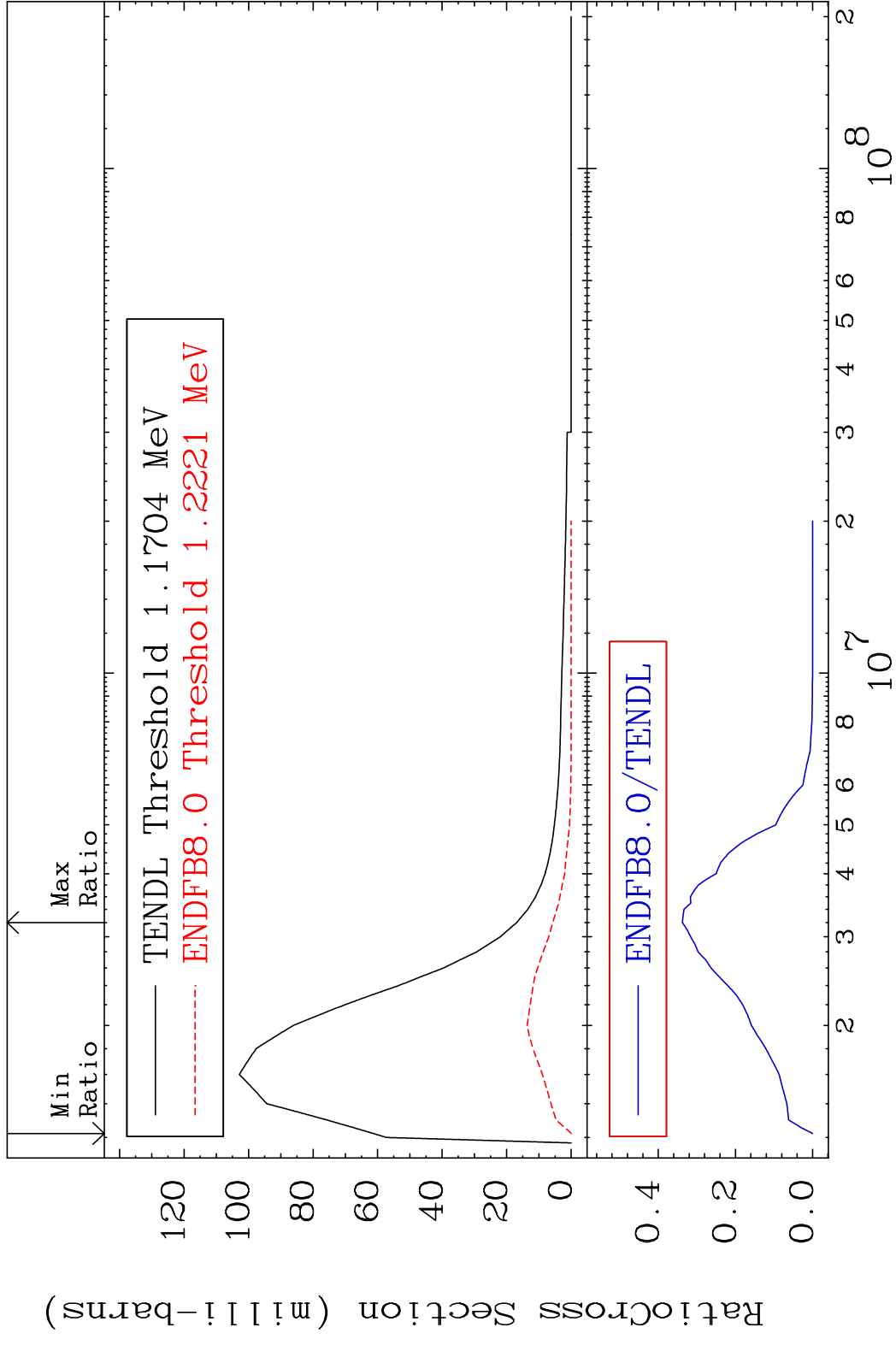
MAT 6034 MT= 64 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 86.75 %



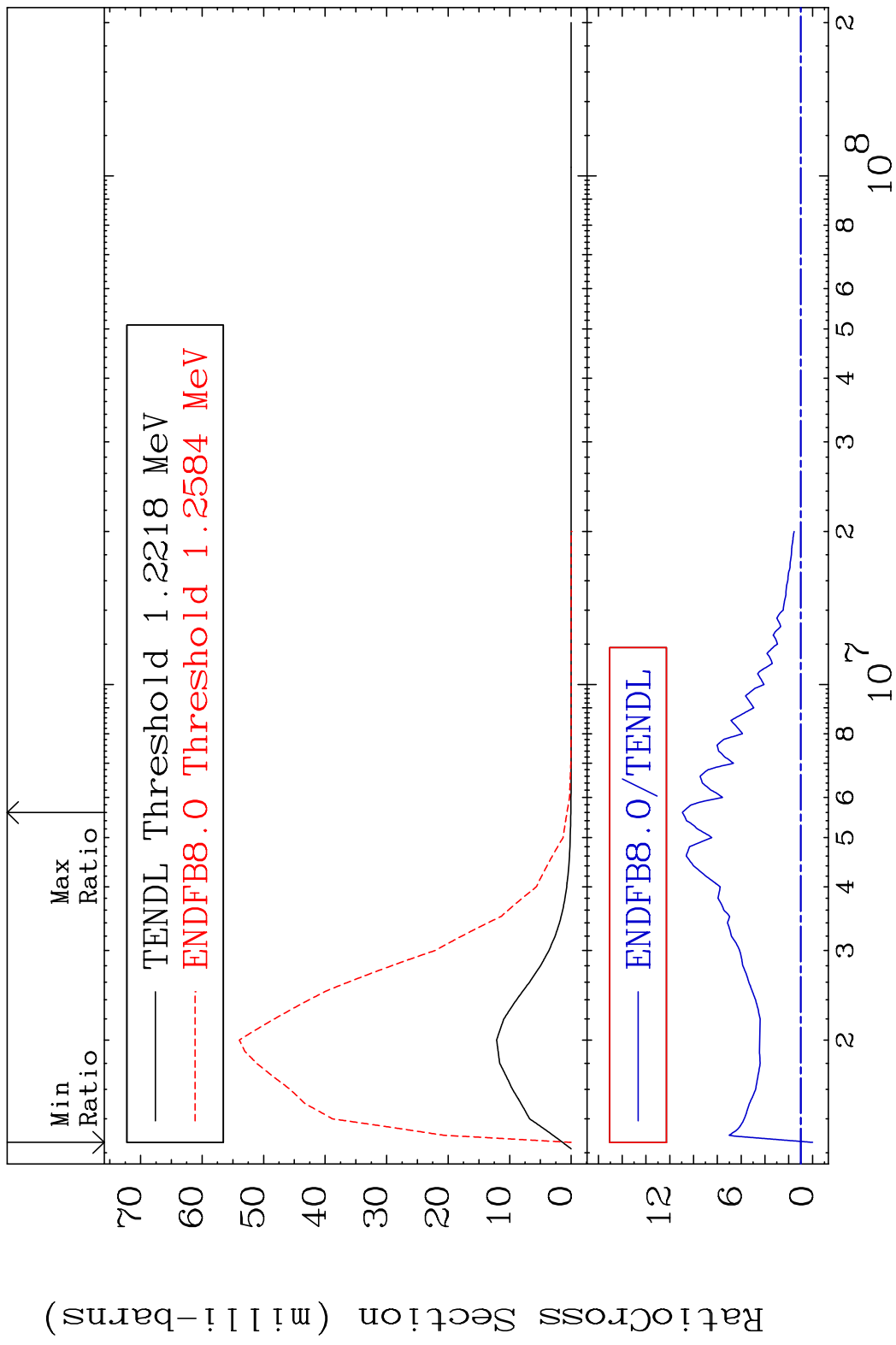
MAT 6034 MT= 65 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 85.37 %



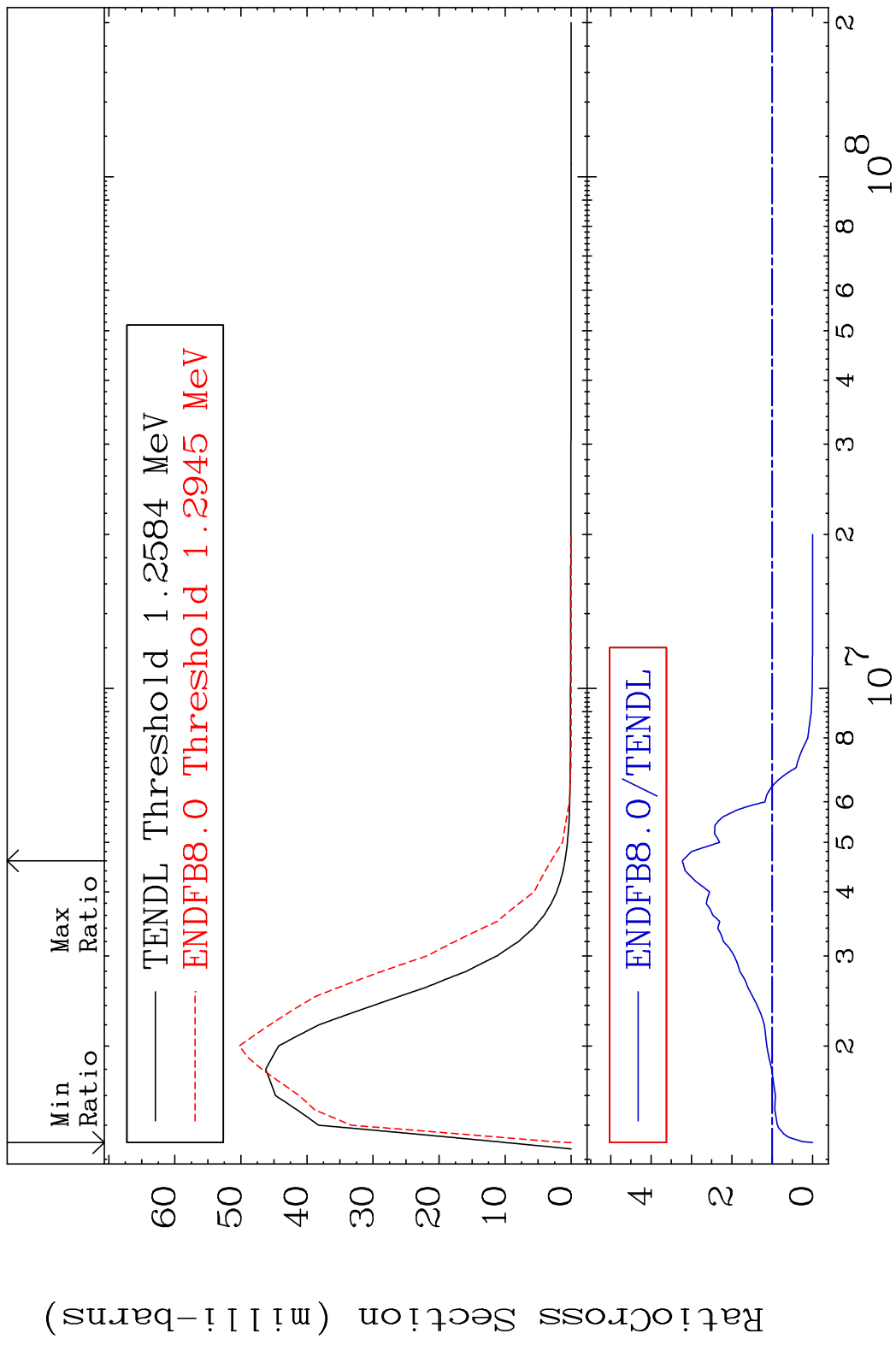
MAT 6034 MT= 66 (n, n') Level 60-Nd-145
 Cross Section -100.0 To -66.24%



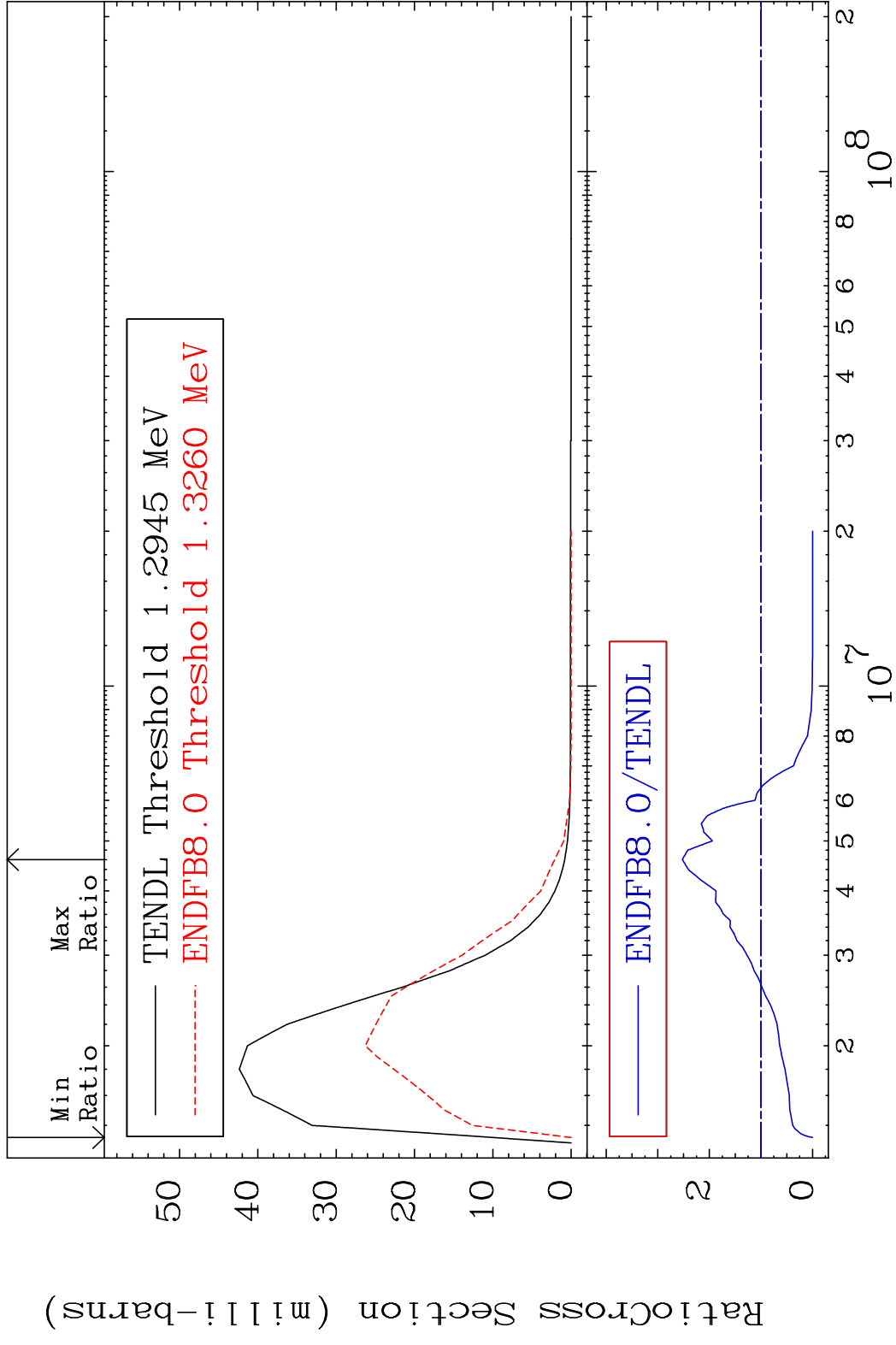
MAT 6034 MT= 67 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 994.5 %



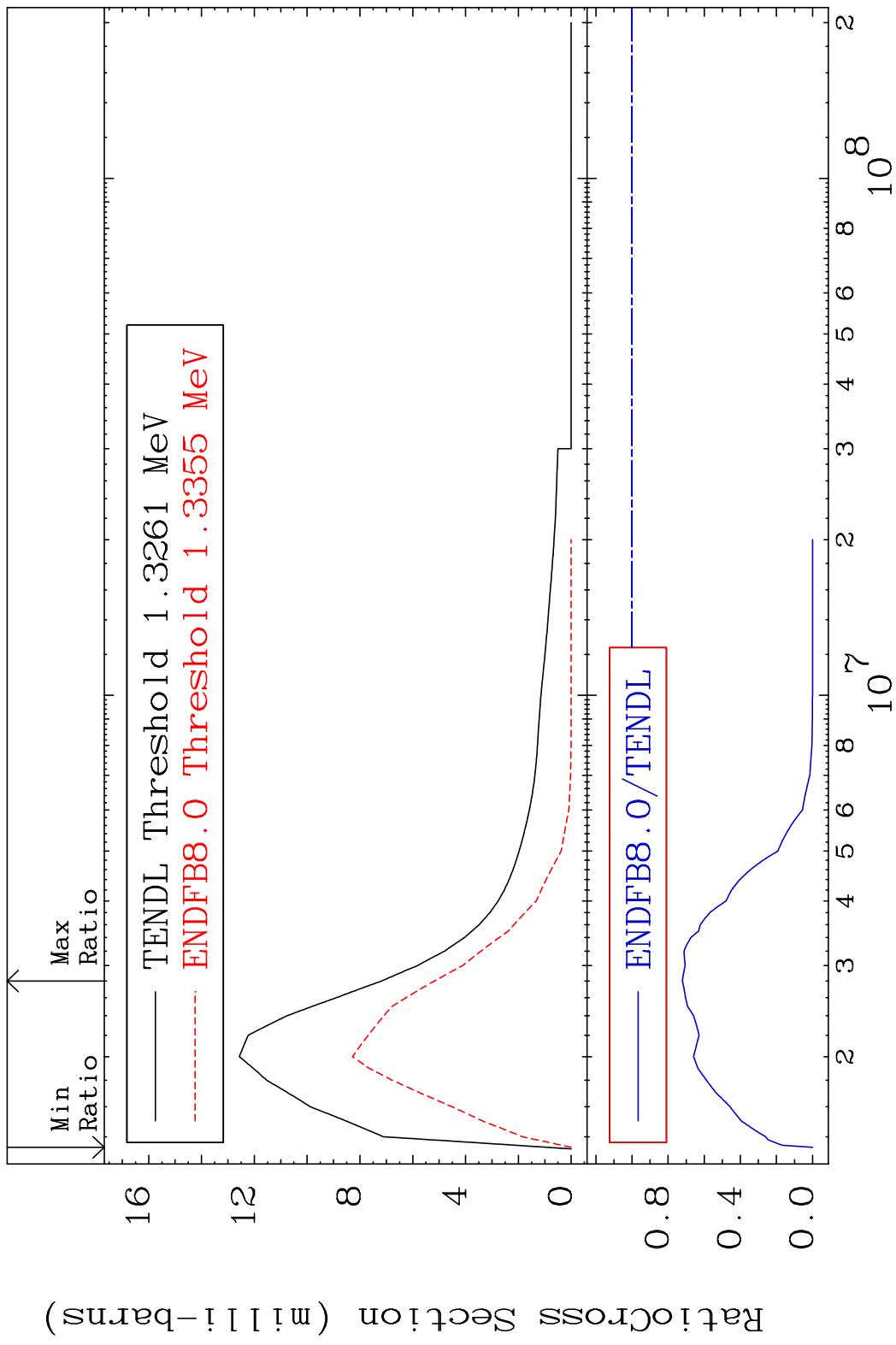
MAT 6034 MT= 68 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 222.6 %



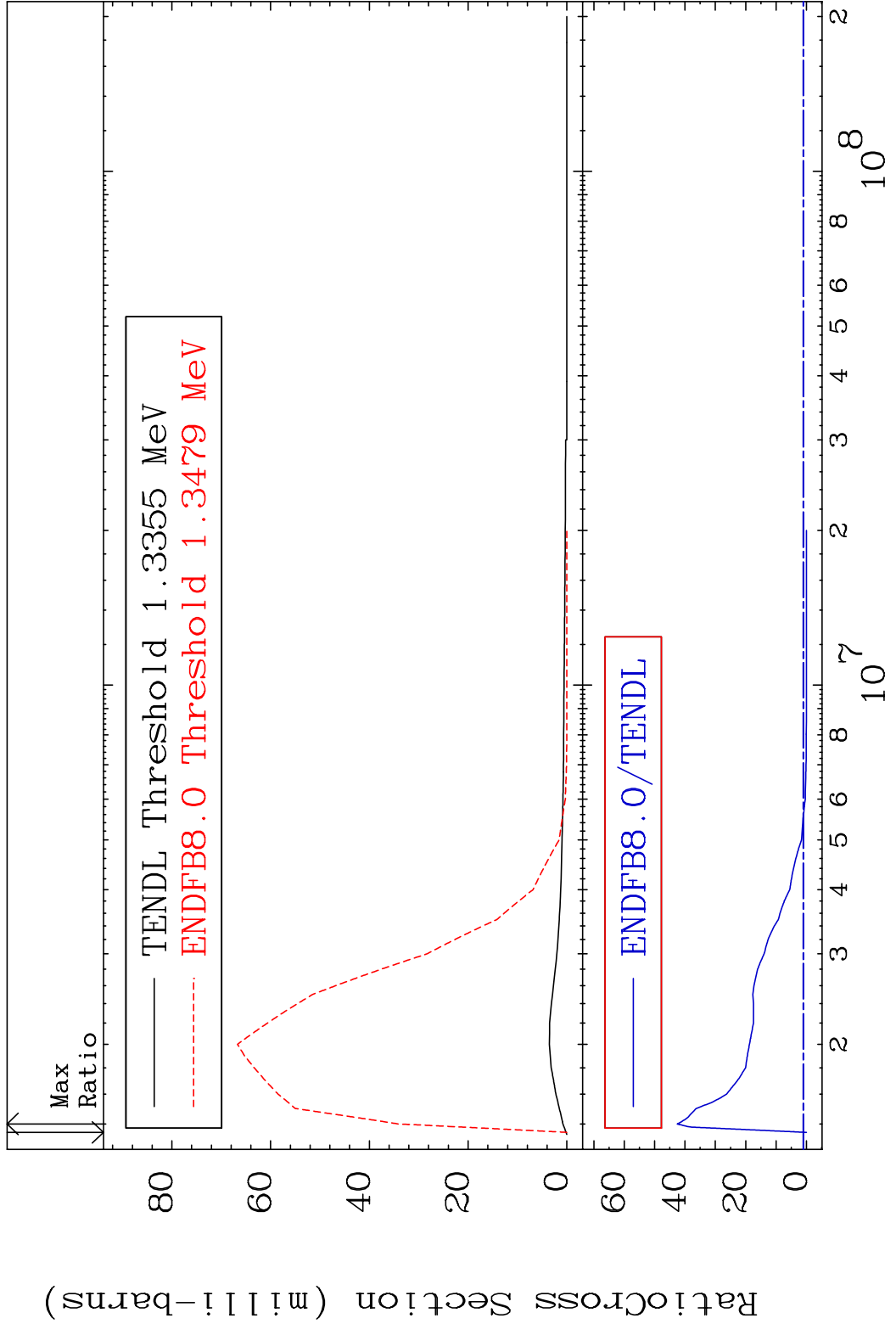
MAT 6034 MT= 69 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 152.5 %



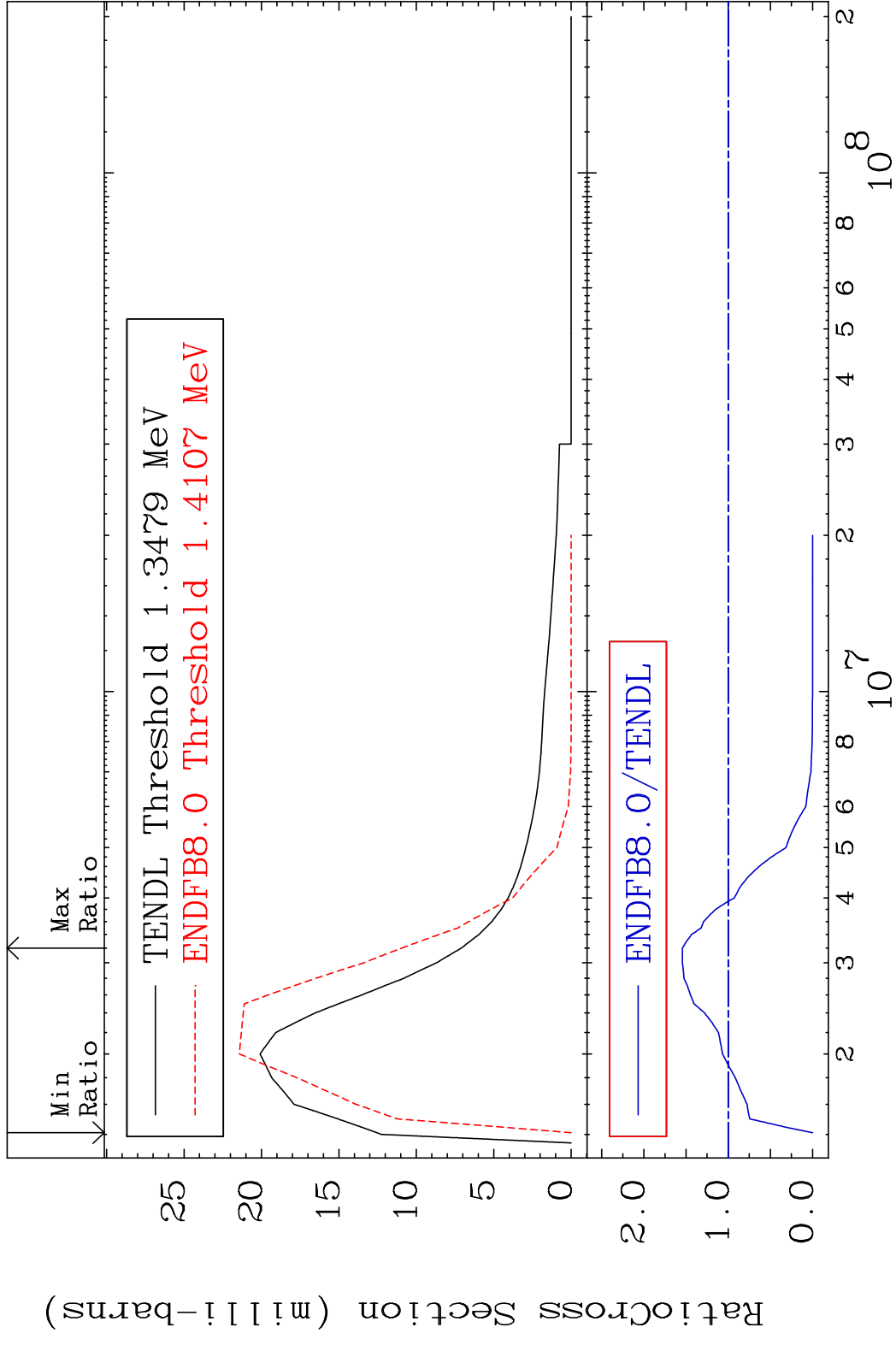
MAT 6034 MT= 70 (n, n') Level 60-Nd-145
 Cross Section -100.0 To -27.88%



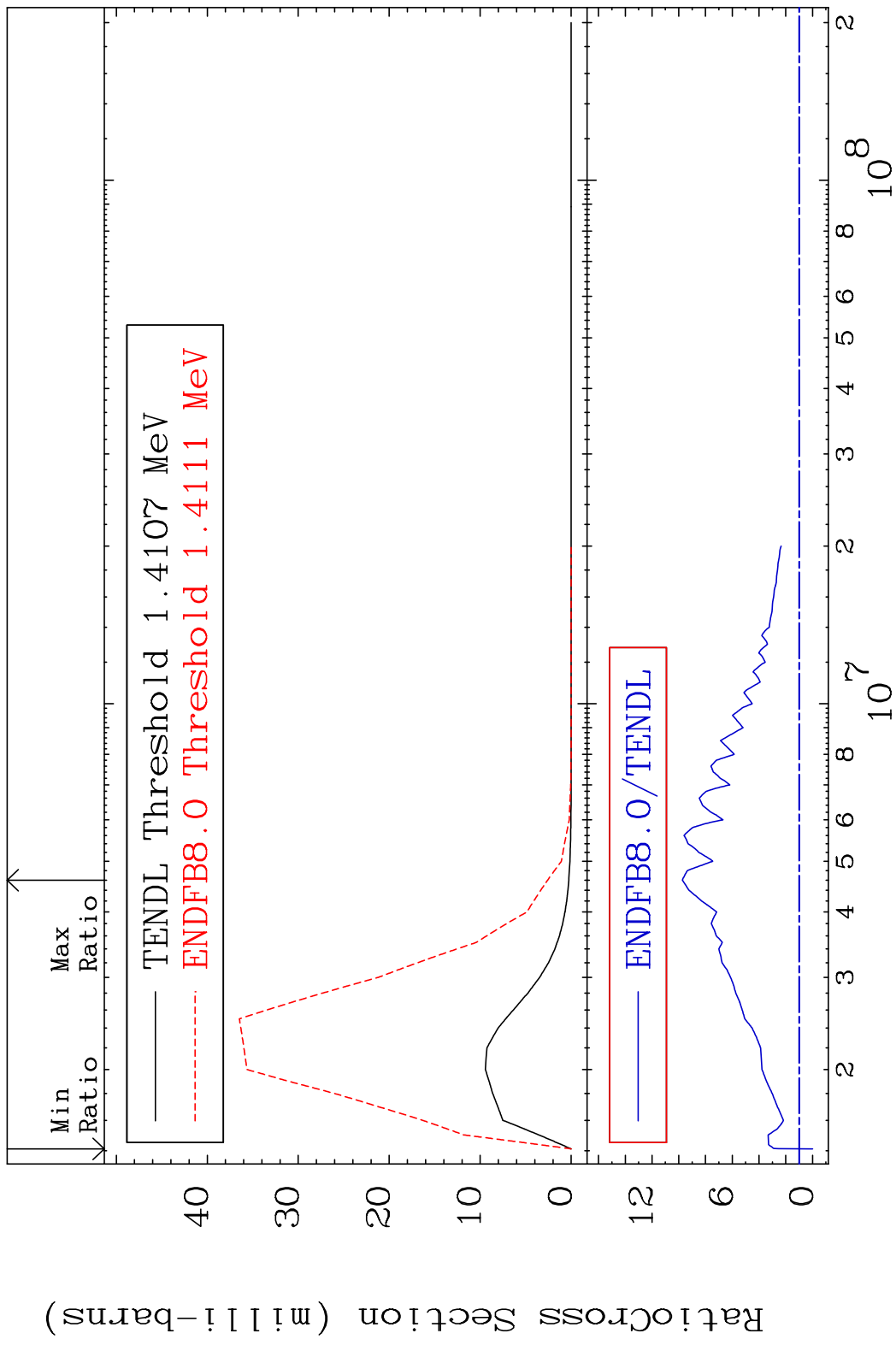
MAT 6034 MT= 71 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 4158. %



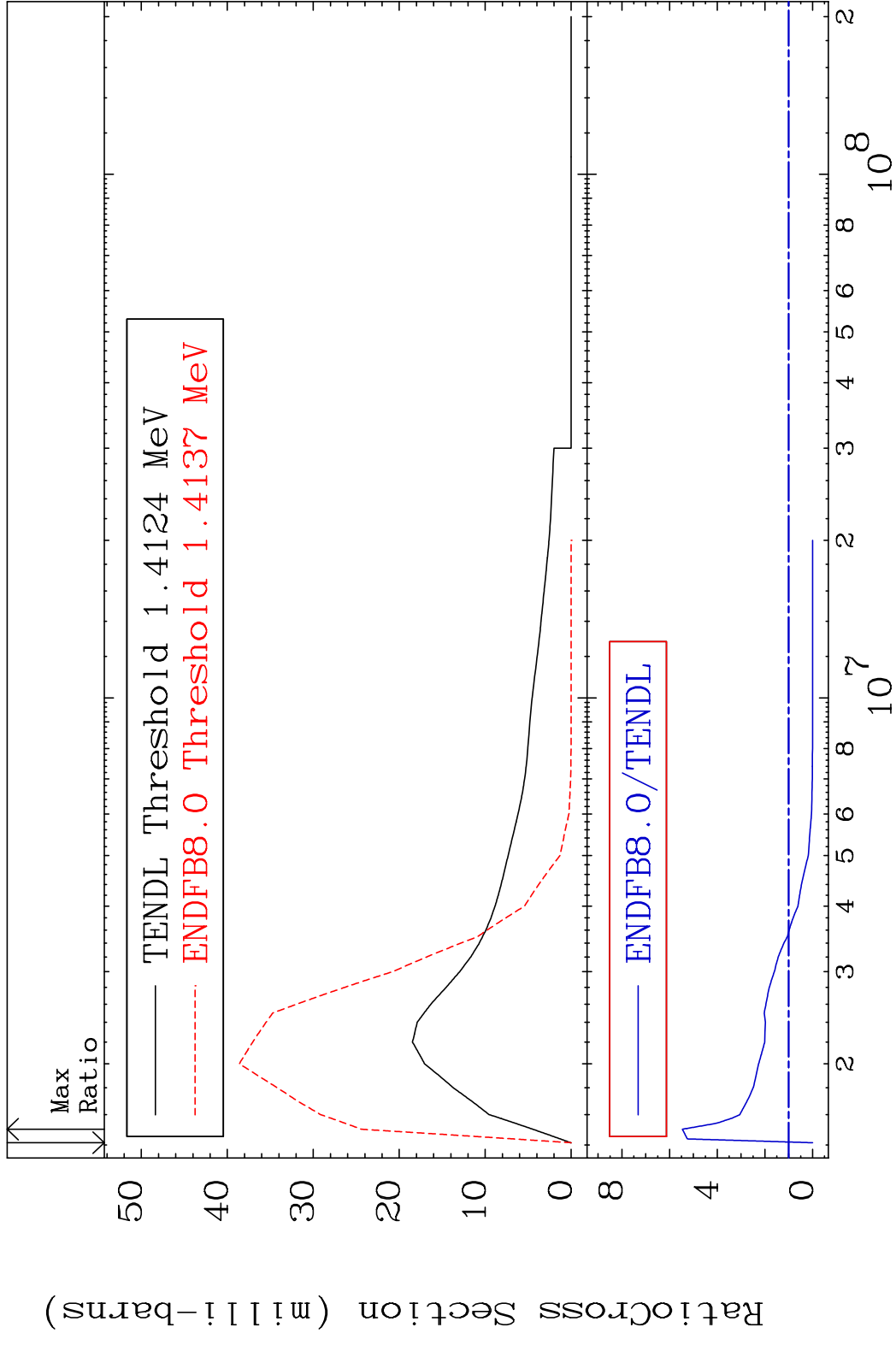
MAT 6034 MT= 72 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 54.36 %



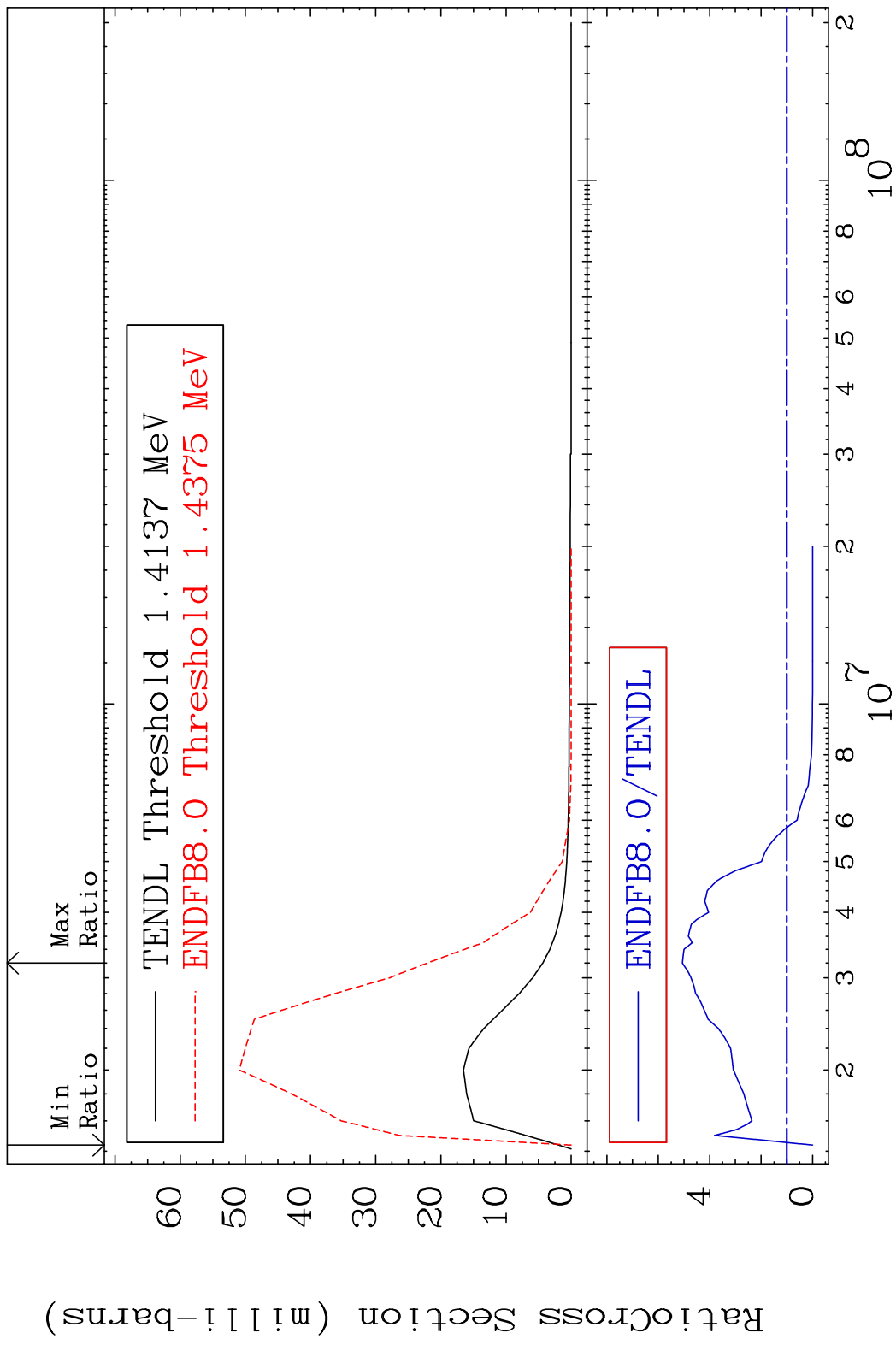
MAT 6034 MT= 73 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 873.2 %



MAT 6034 MT= 74 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 446.5 %



MAT 6034 MT= 75 (n, n') Level 60-Nd-145
 Cross Section -100.0 To 406.3 %

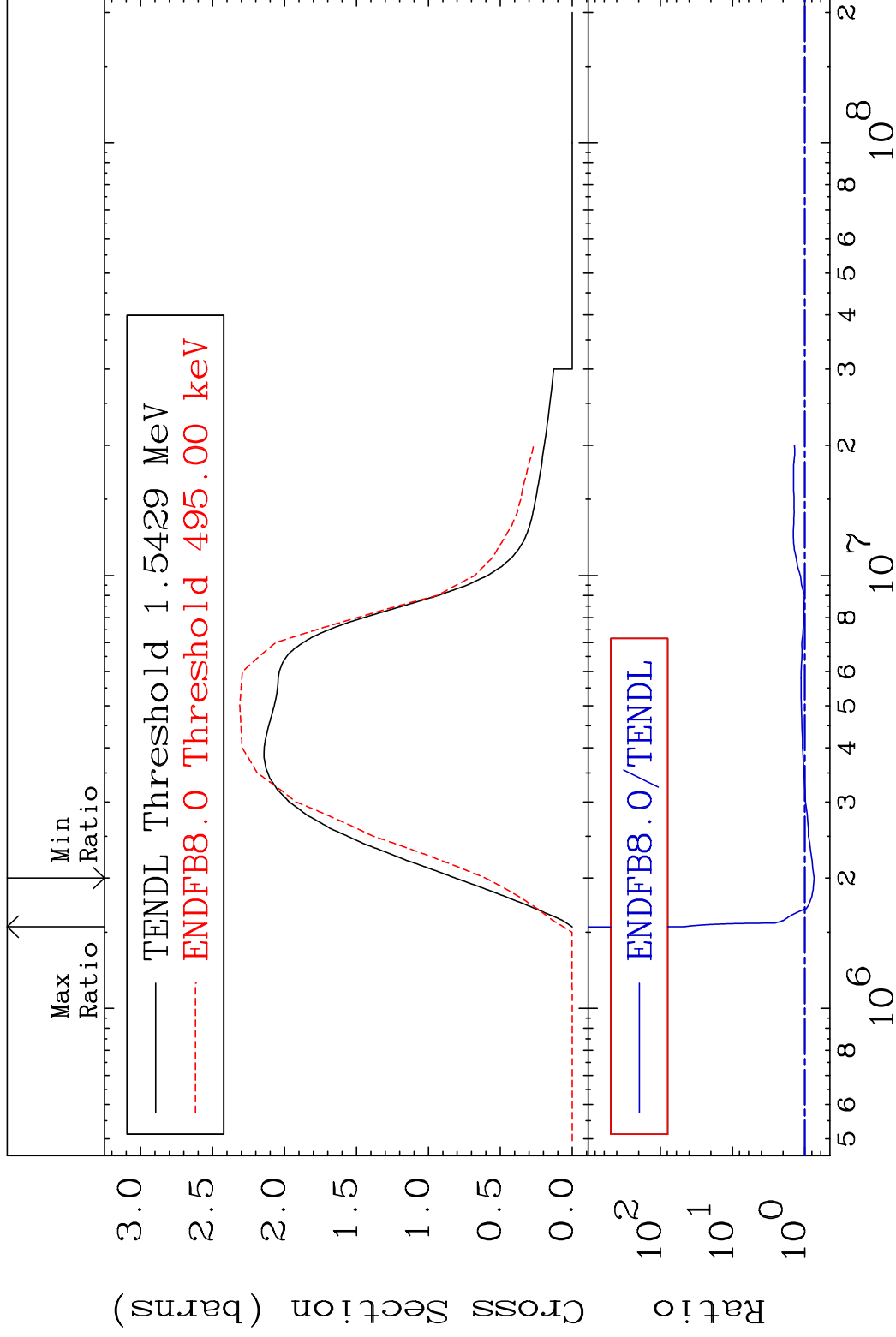


MAT 6034

(n, n') Continuum

60-Nd-145

Cross Section -25.77 To 4654. %



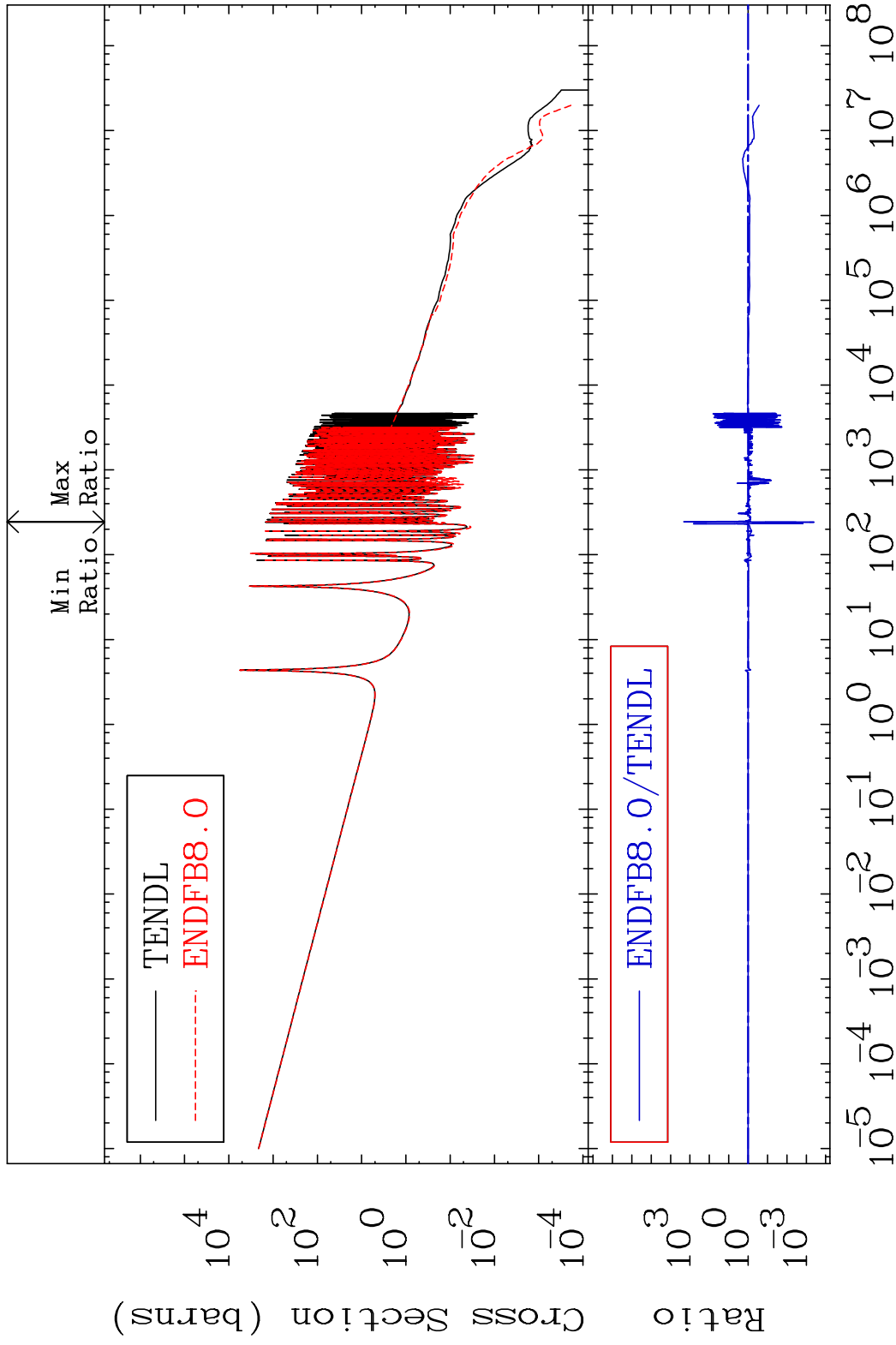
35

Incident Energy (eV)

60-Nd-145

MAT 6034

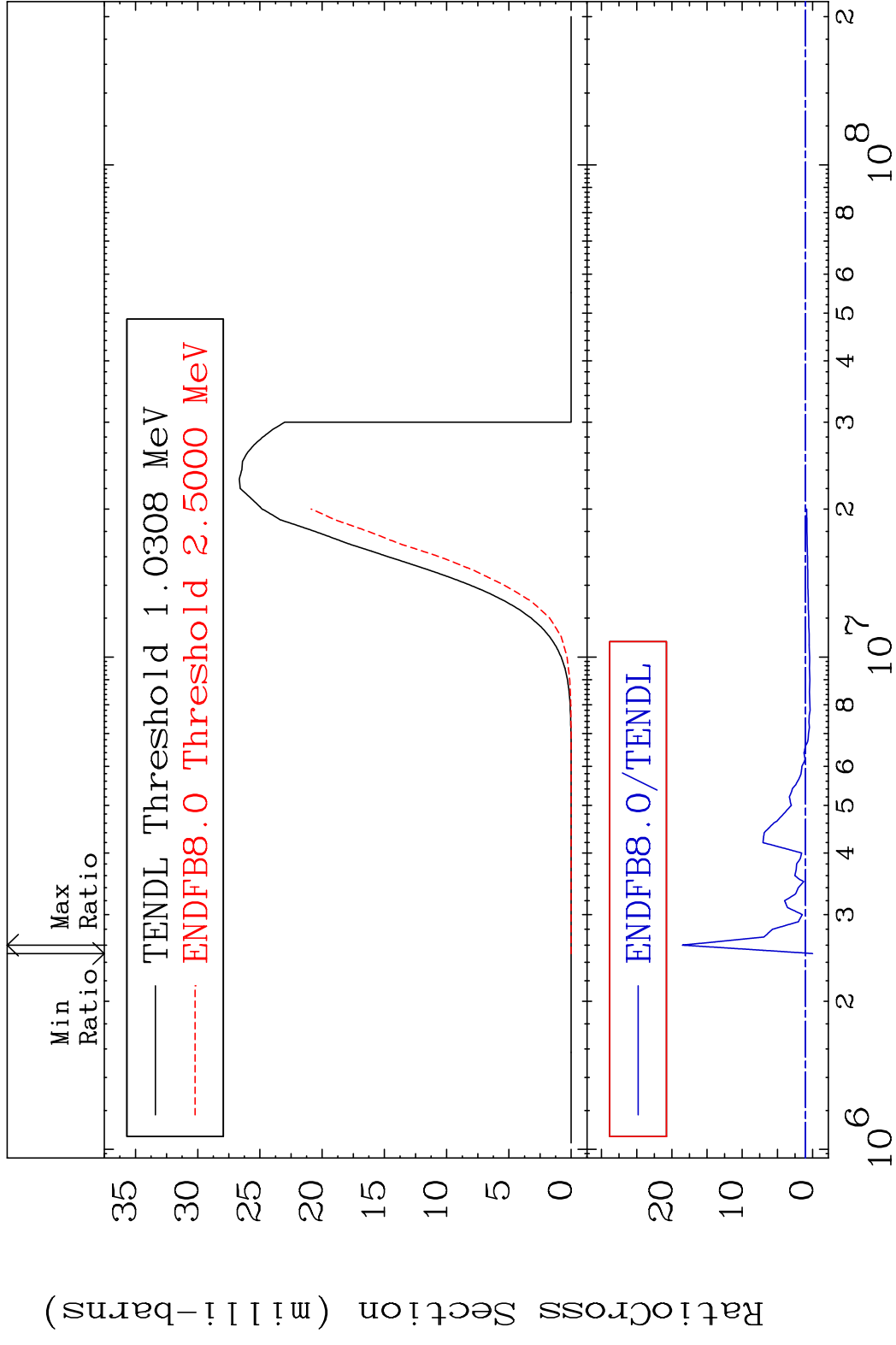
(n, γ)
Cross Section -99.96 To 9999. %
60-Nd-145



36

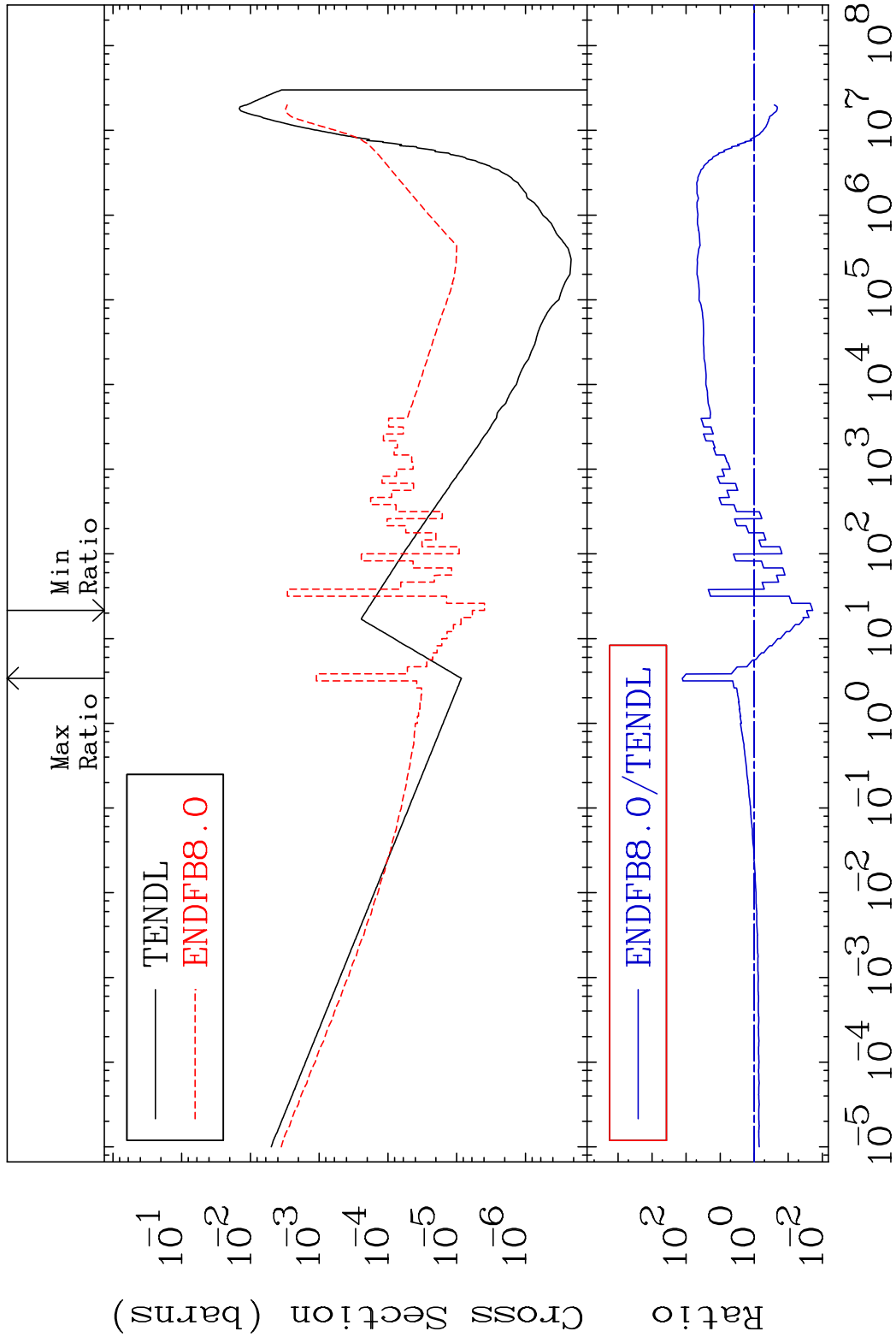
Incident Energy (eV) 60-Nd-145

MAT 6034 (n,p) 60-Nd-145
 Cross Section -100.0 To 1751. %



MAT 6034

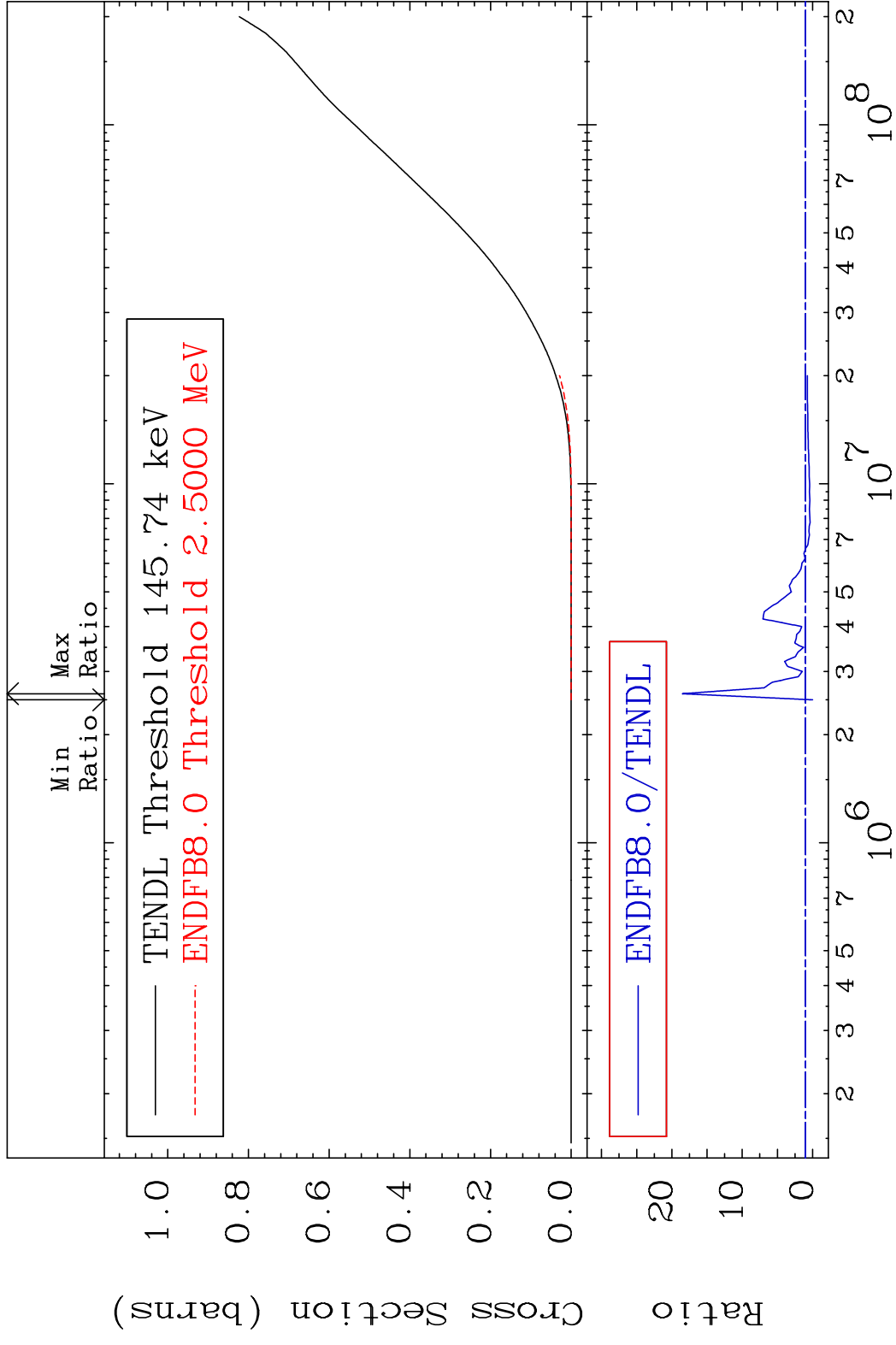
(n, α)
Cross Section -98.06 To 9999. %
60-Nd-145



38

Incident Energy (eV) 60-Nd-145

MAT 6034 Hydrogen Production 60-Nd-145
 Cross Section -100.0 To 1751. %

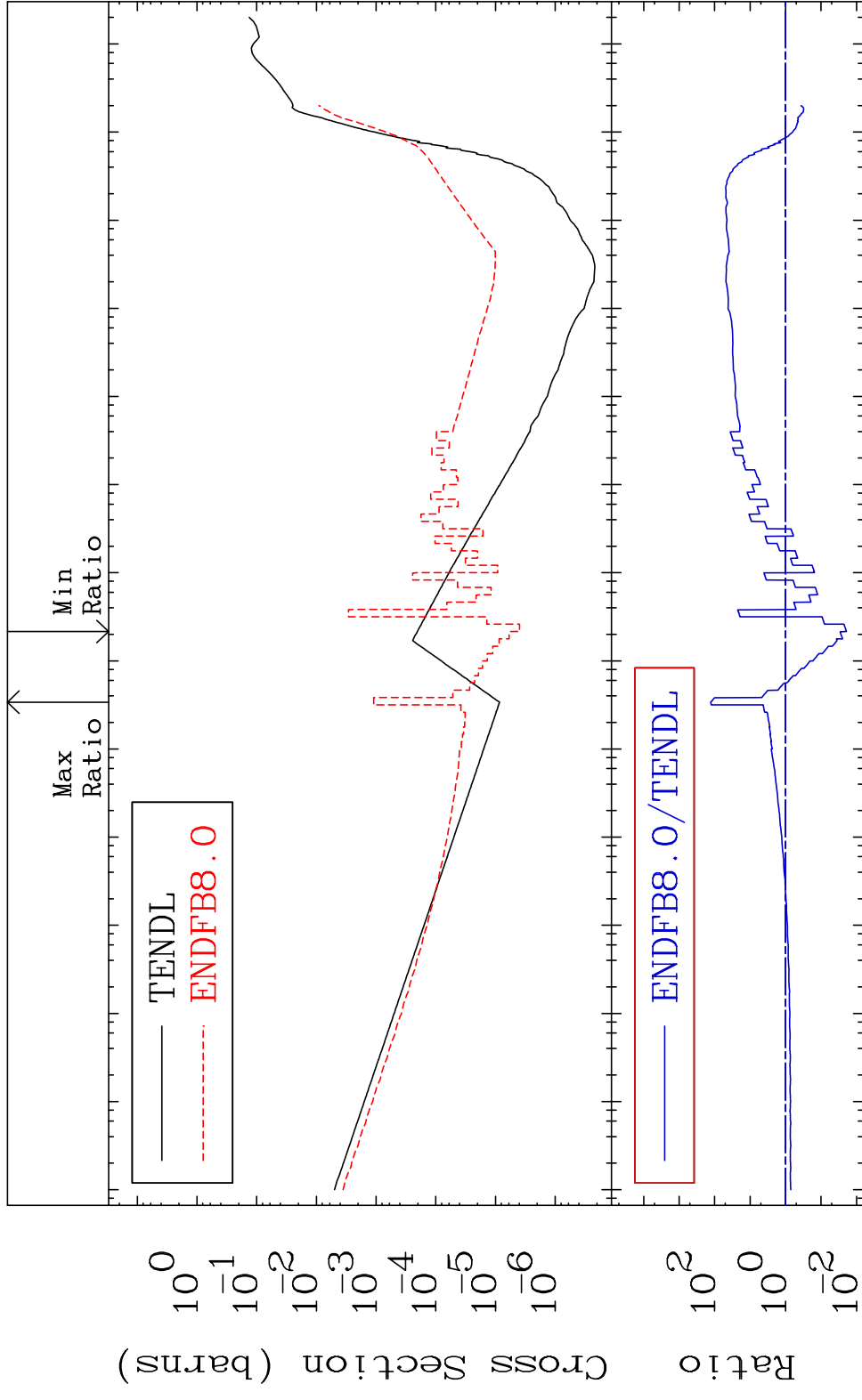


MAT 6034

He-4 Production

60-Nd-145

Cross Section -98.06 To 9999. %

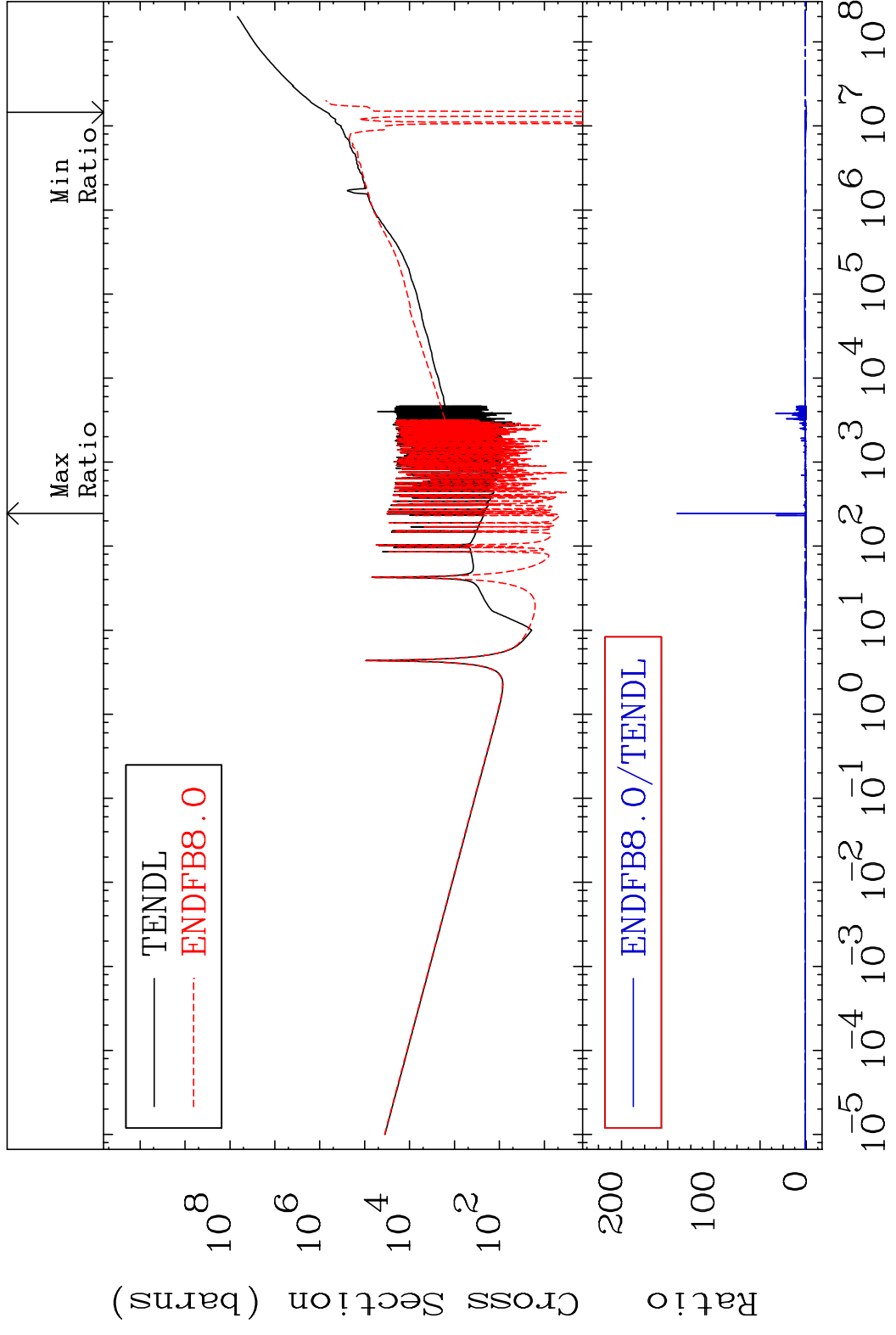


40

Incident Energy (eV)

60-Nd-145

MAT 6034 Kerma total (eV-barns) 60-Nd-145
 Cross Section -120.1 To 9999. %

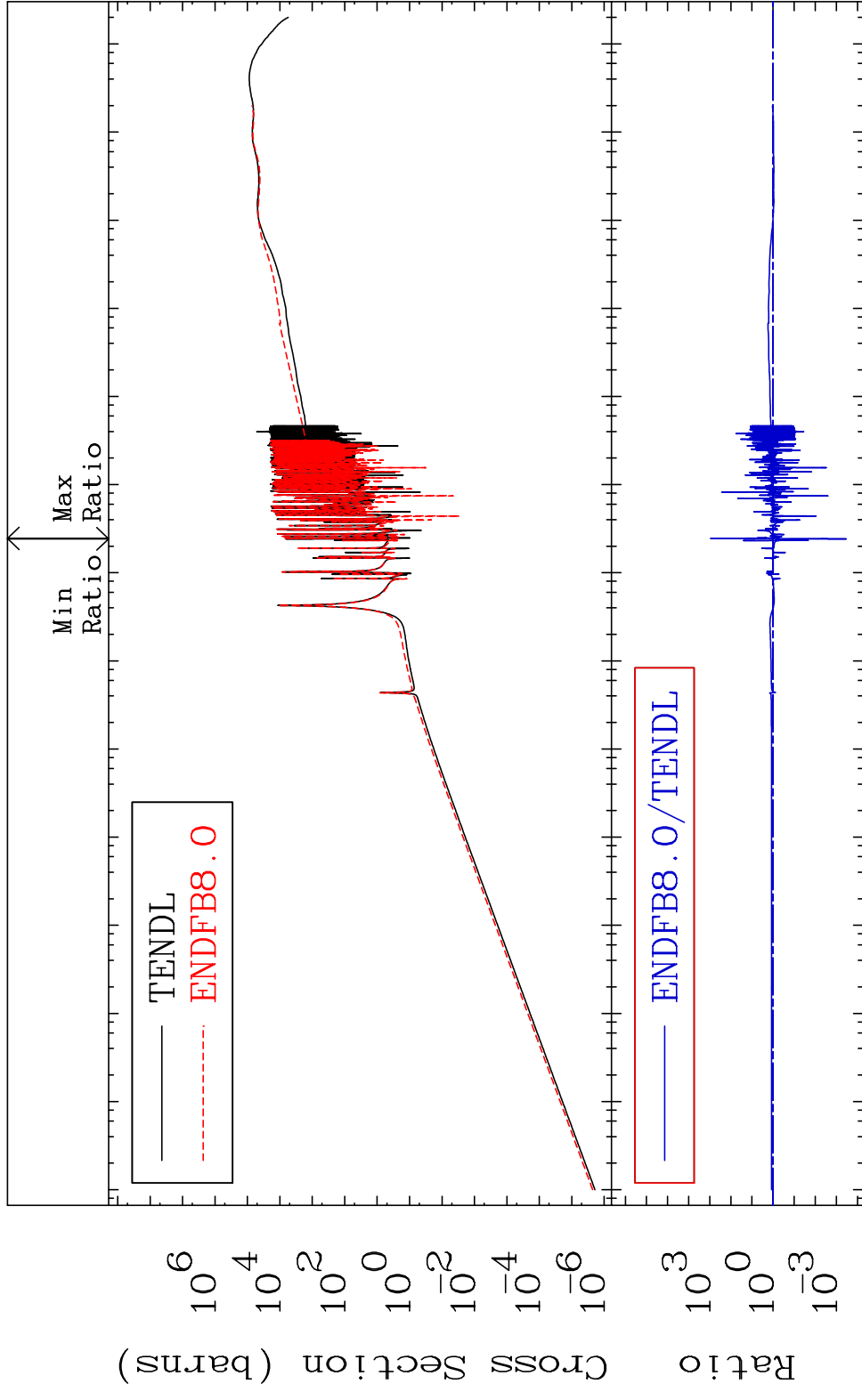


41 Incident Energy (eV) 60-Nd-145

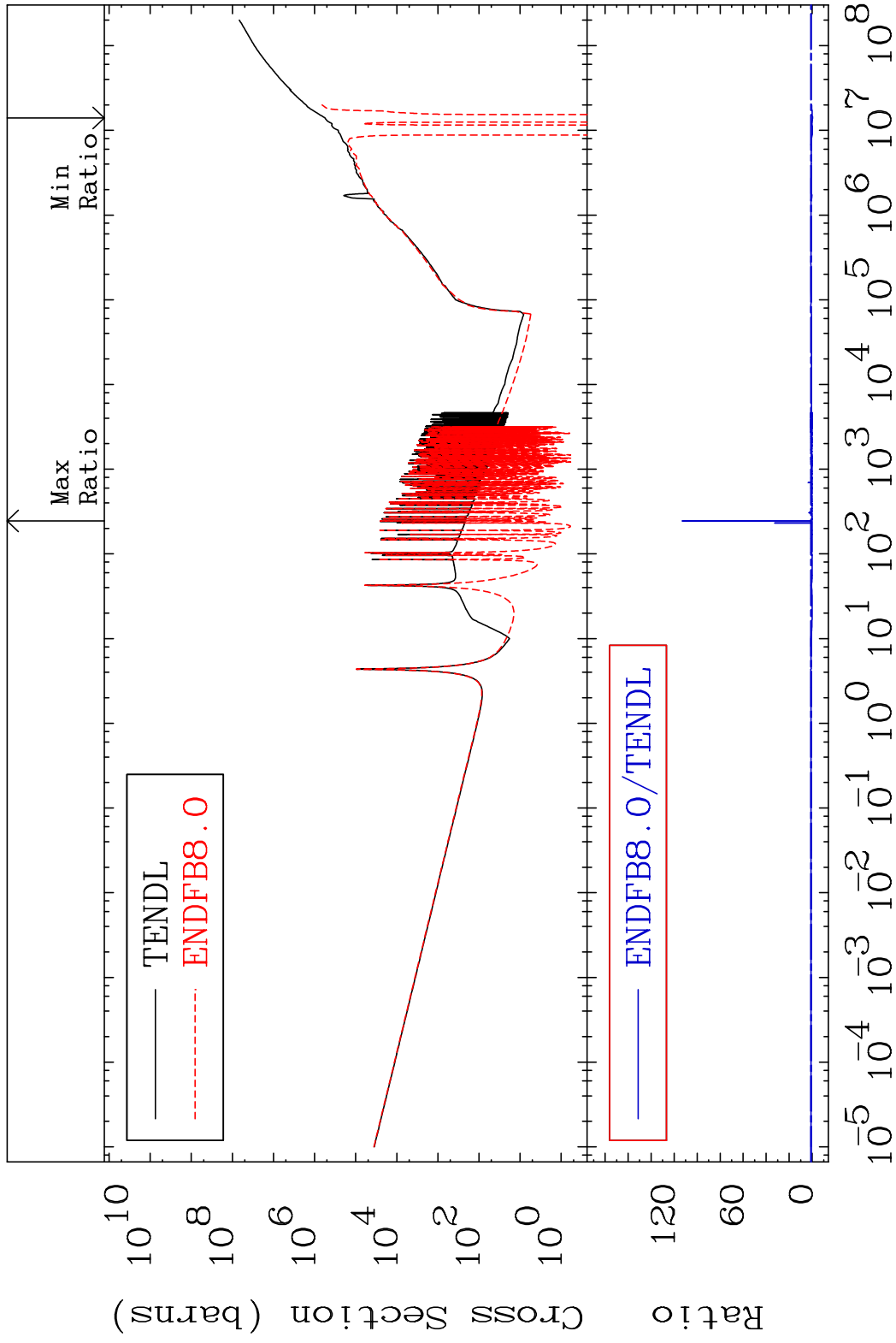
MAT 6034

Kerma elastic
Cross Section

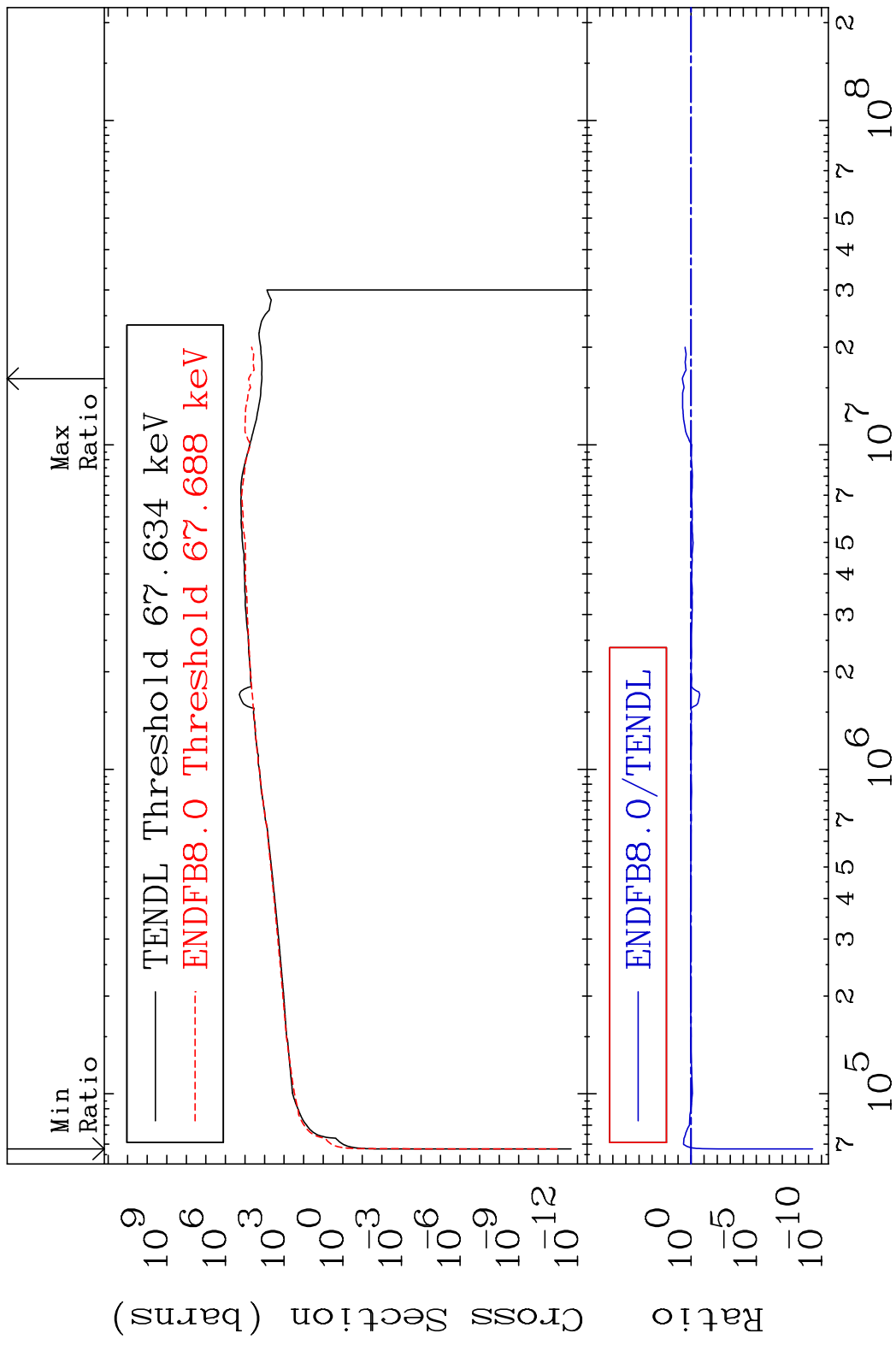
60-Nd-145
-99.97 To 9999. %



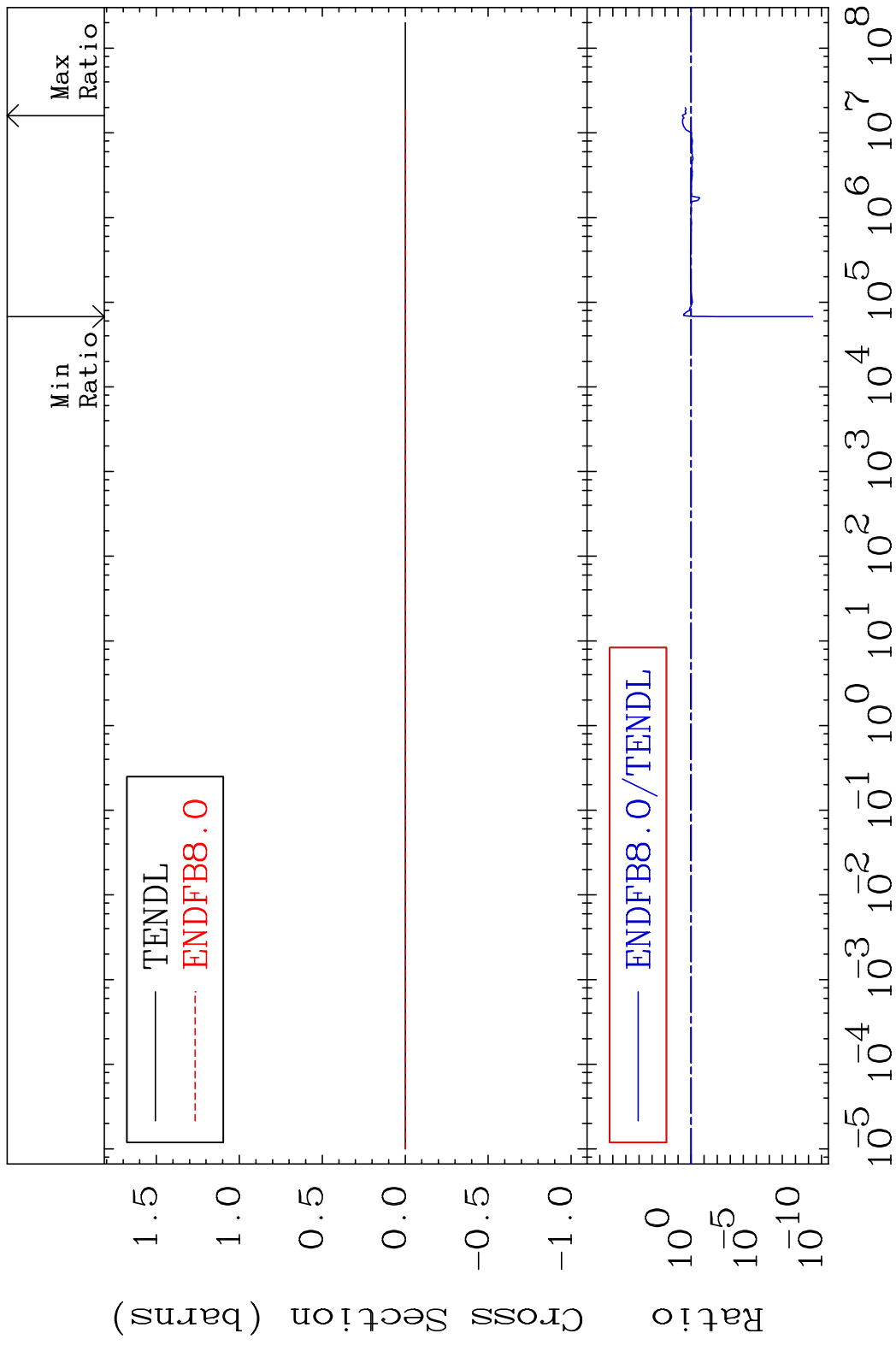
MAT 6034 Kerma non-elastic (all but mt2) 60-Nd-145
 Cross Section -133.8 To 9999. %



MAT 6034 Kerma inelastic (mt51-91) 60-Nd-145
 Cross Section -100.0 To 370.4 %

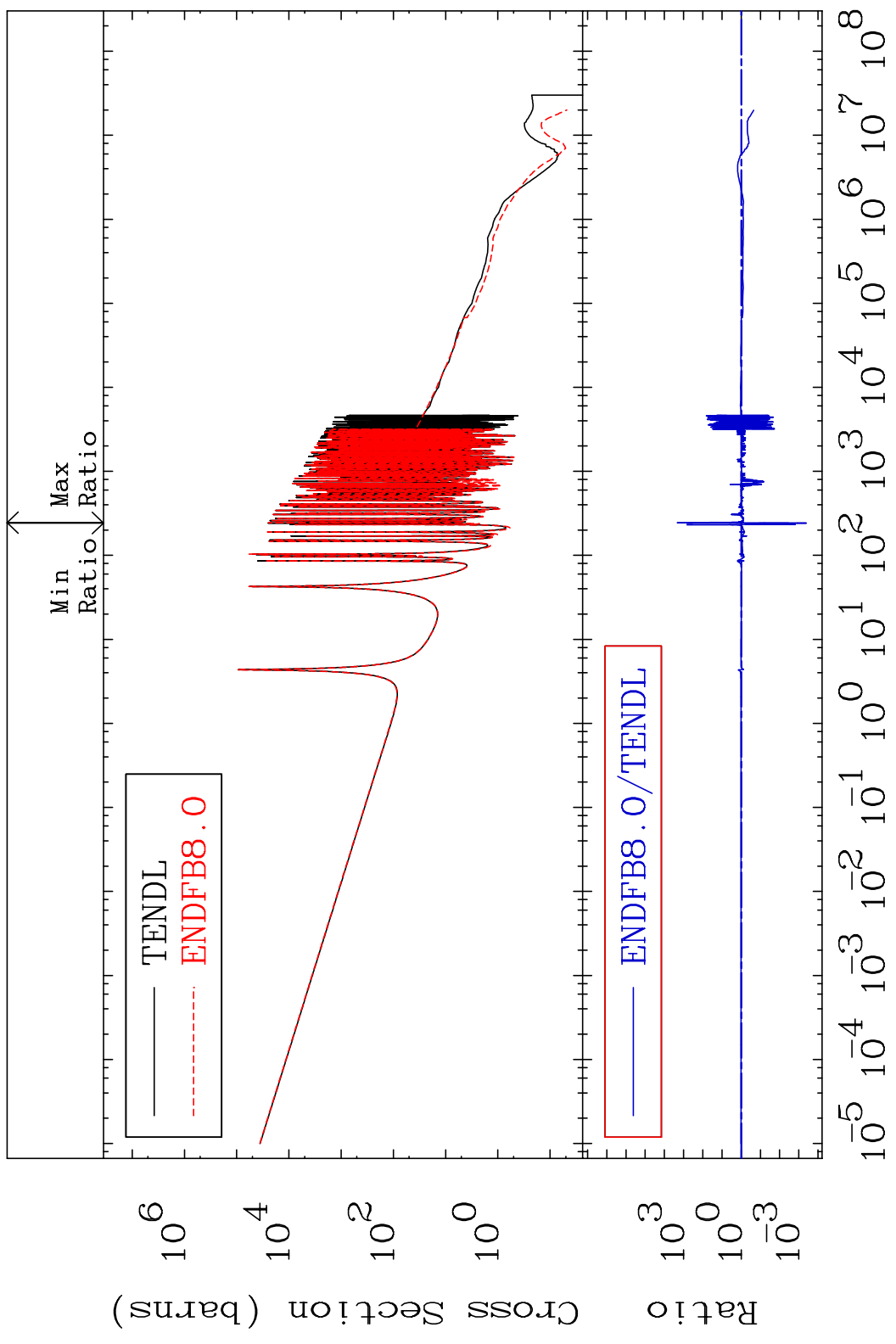


MAT 6034 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-145
 Cross Section -100.0 To 370.4 %



MAT 6034

Kerma capture (mt102) 60-Nd-145
Cross Section -99.96 To 9999. %

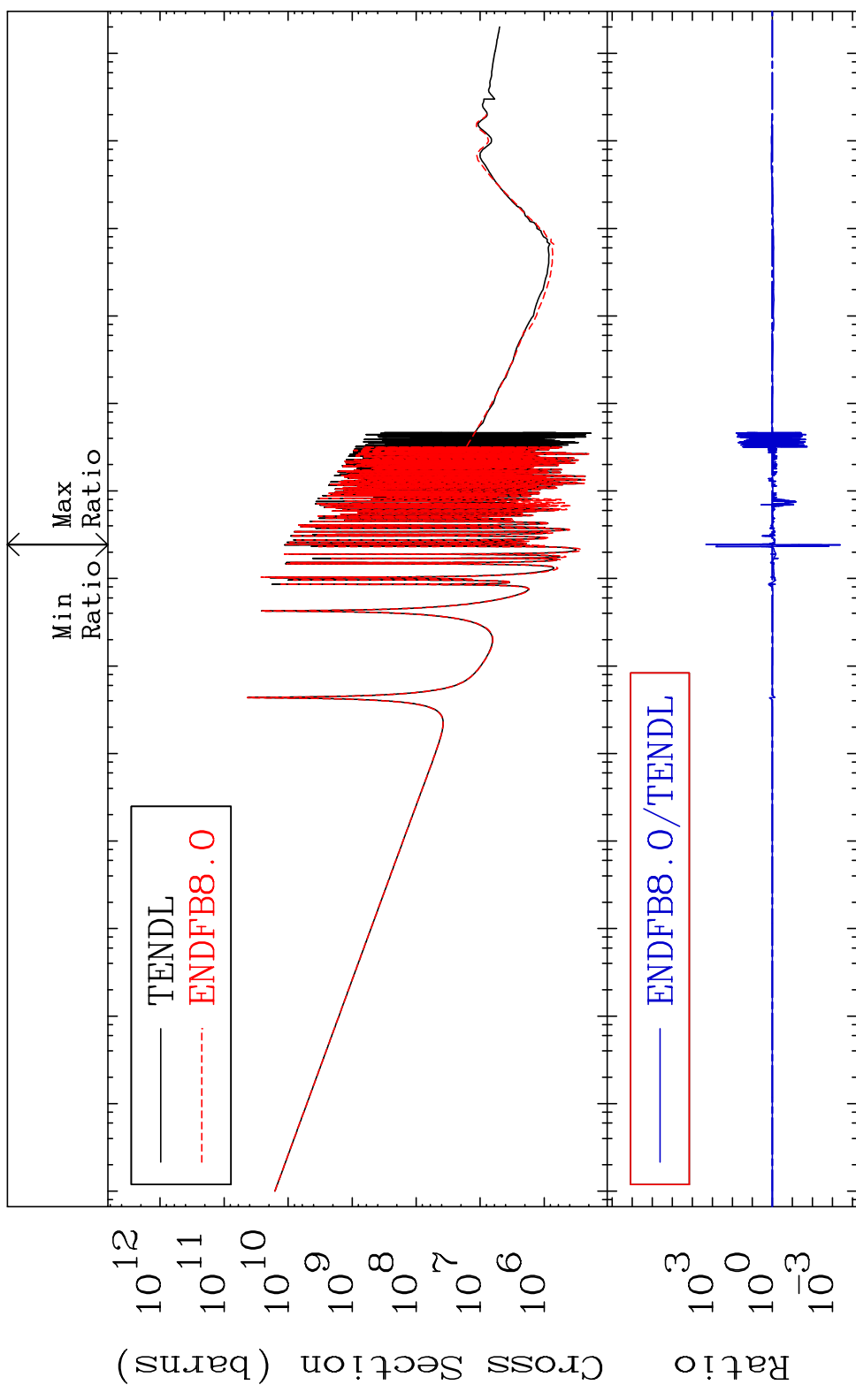


MAT 6034

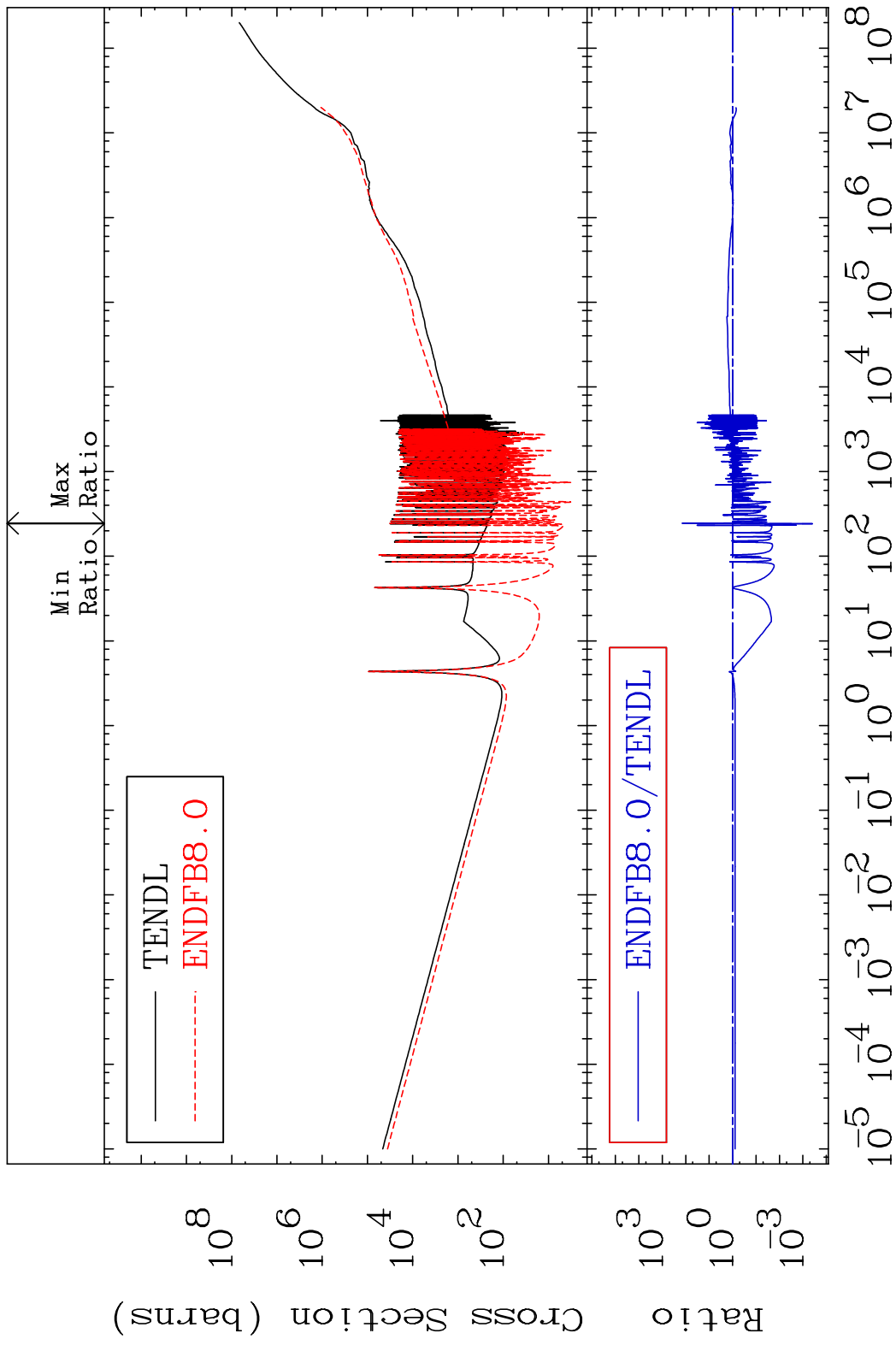
Total photon (eV-barns)

60-Nd-145

Cross Section -99.96 To 9999. %



MAT 6034 Total kinematic kerma (high limit) 60-Nd-145
 Cross Section -99.96 To 9999. %

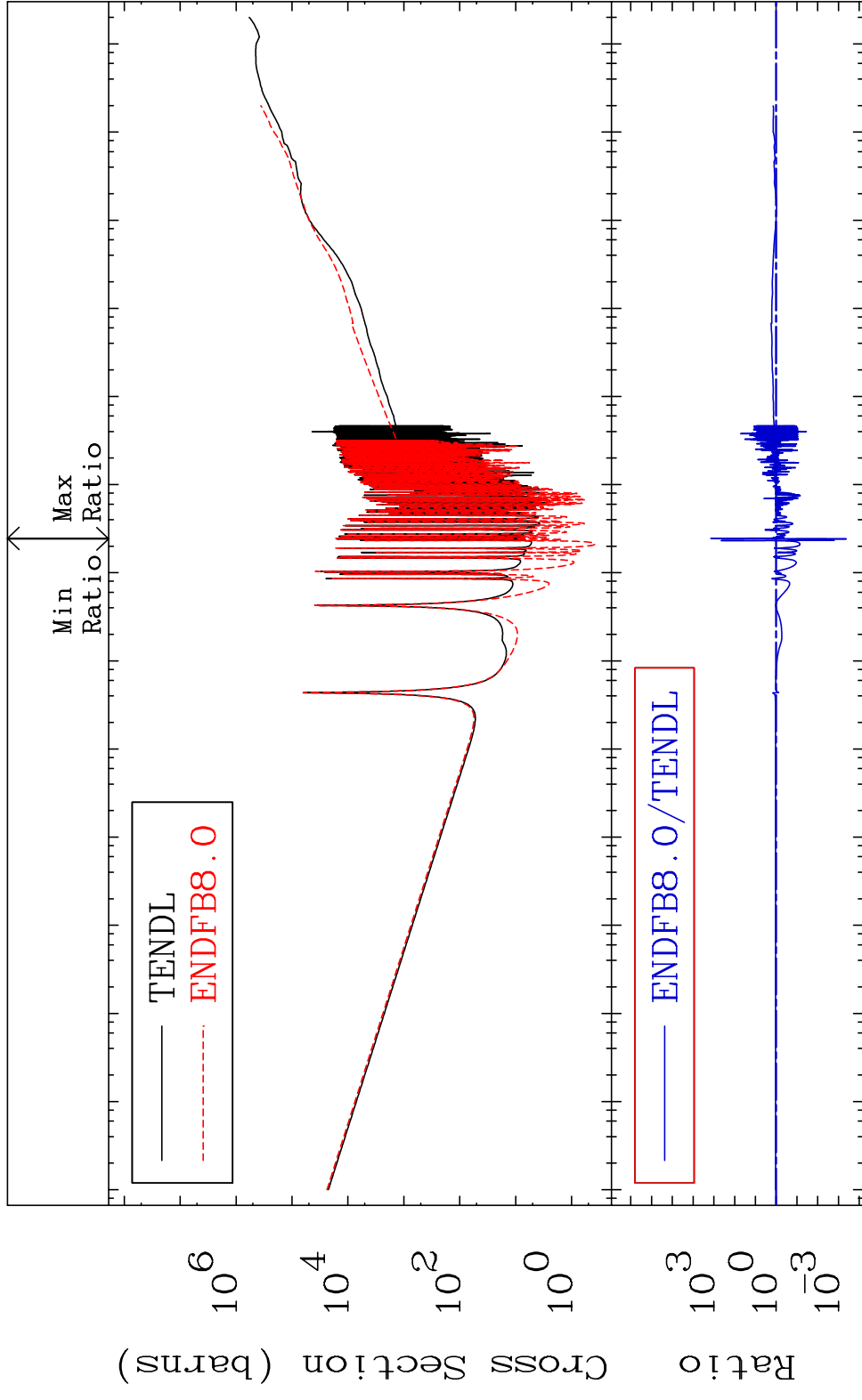


MAT 6034

Dpa total (eV-barns)

60-Nd-145

Cross Section -99.96 To 9999. %



49

Incident Energy (eV)

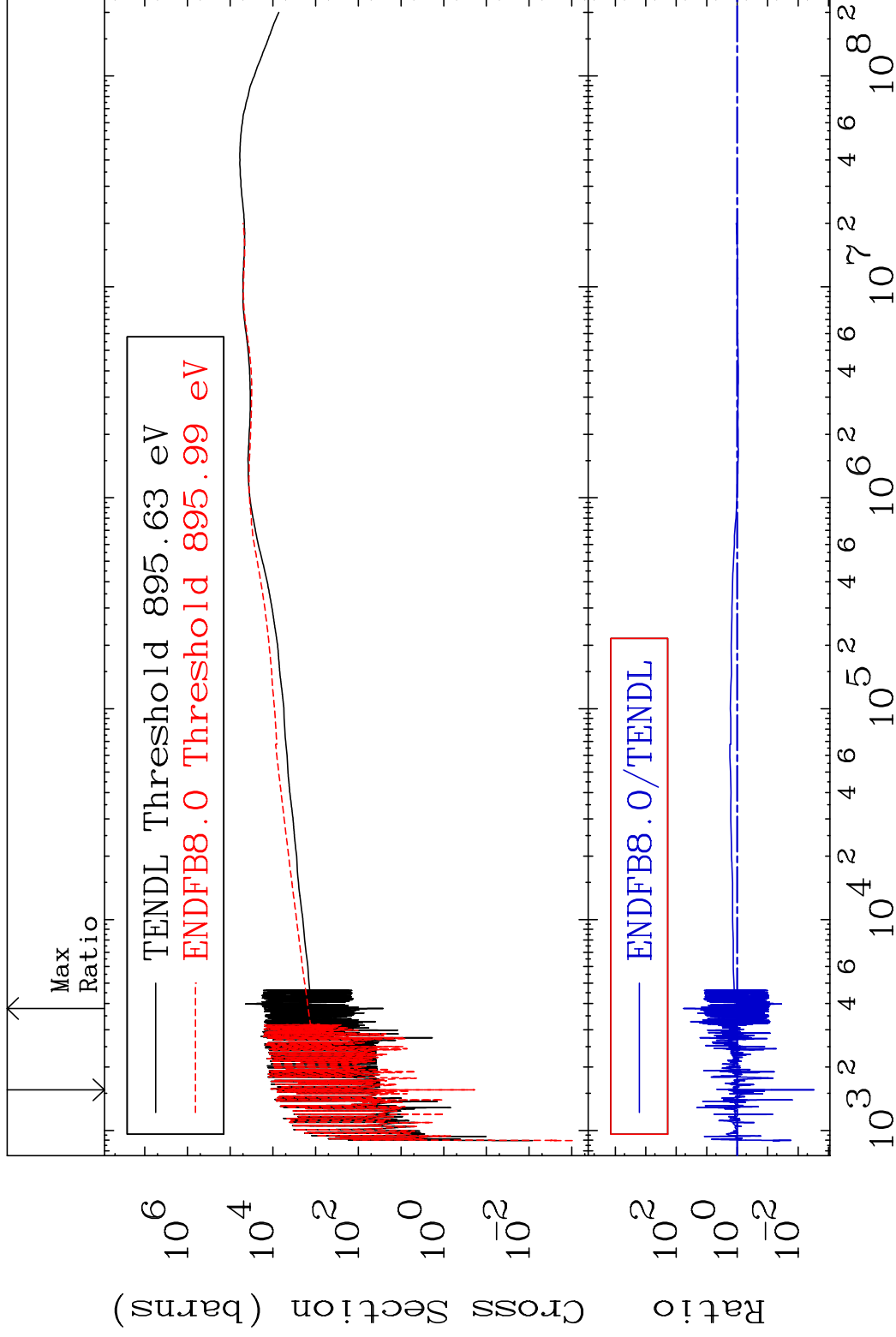
60-Nd-145

MAT 6034

Dpa elastic (mt2)

60-Nd-145

Cross Section -99.70 To 5600. %

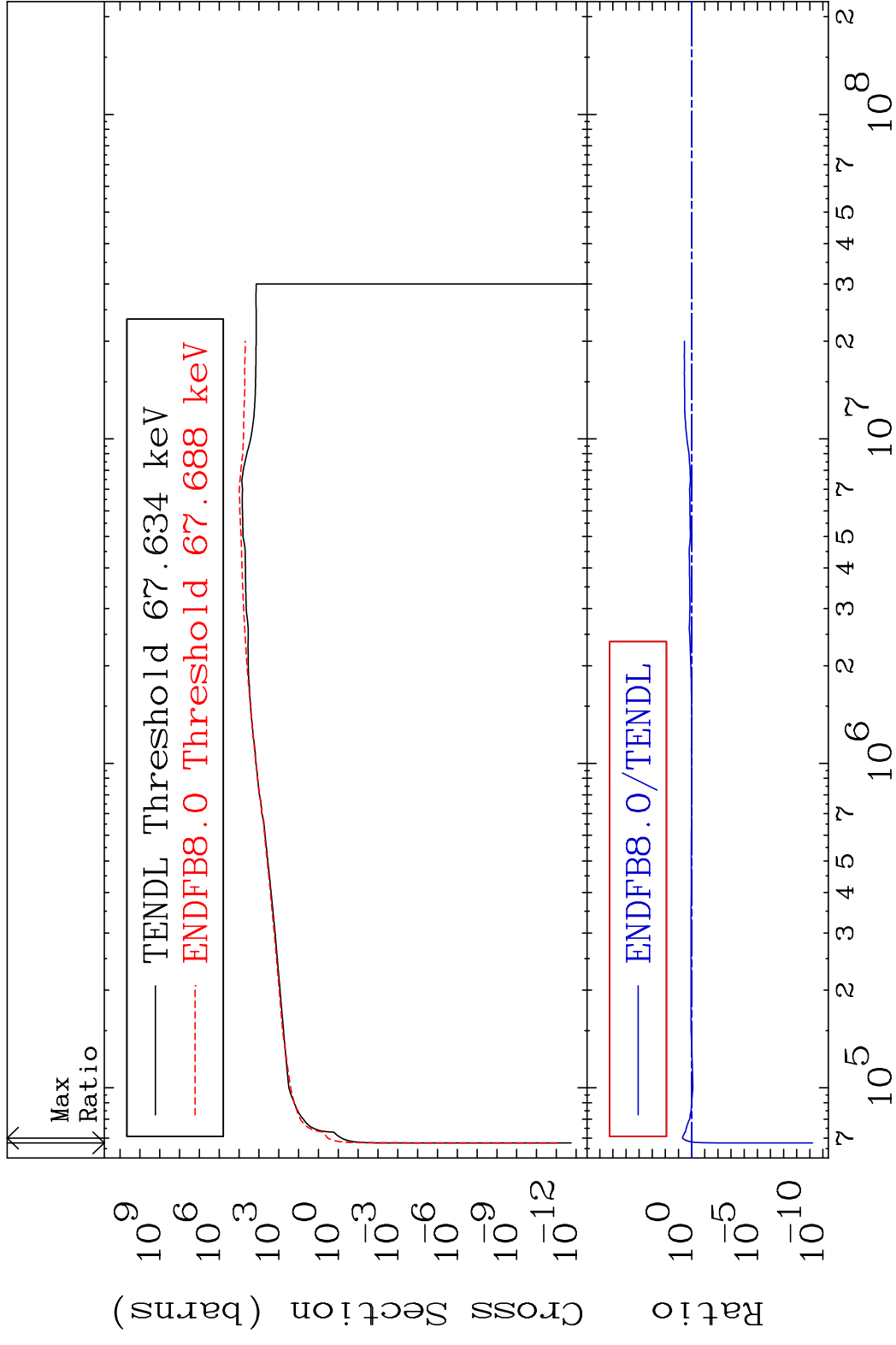


50

Incident Energy (eV)

60-Nd-145

MAT 6034 Dpa inelastic (mt51-91) 60-Nd-145
 Cross Section -100.0 To 410.7 %



MAT 6034 Dpa disappearance (mt102 -120) 60-Nd-145
 Cross Section -99.96 To 9999. %

