

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

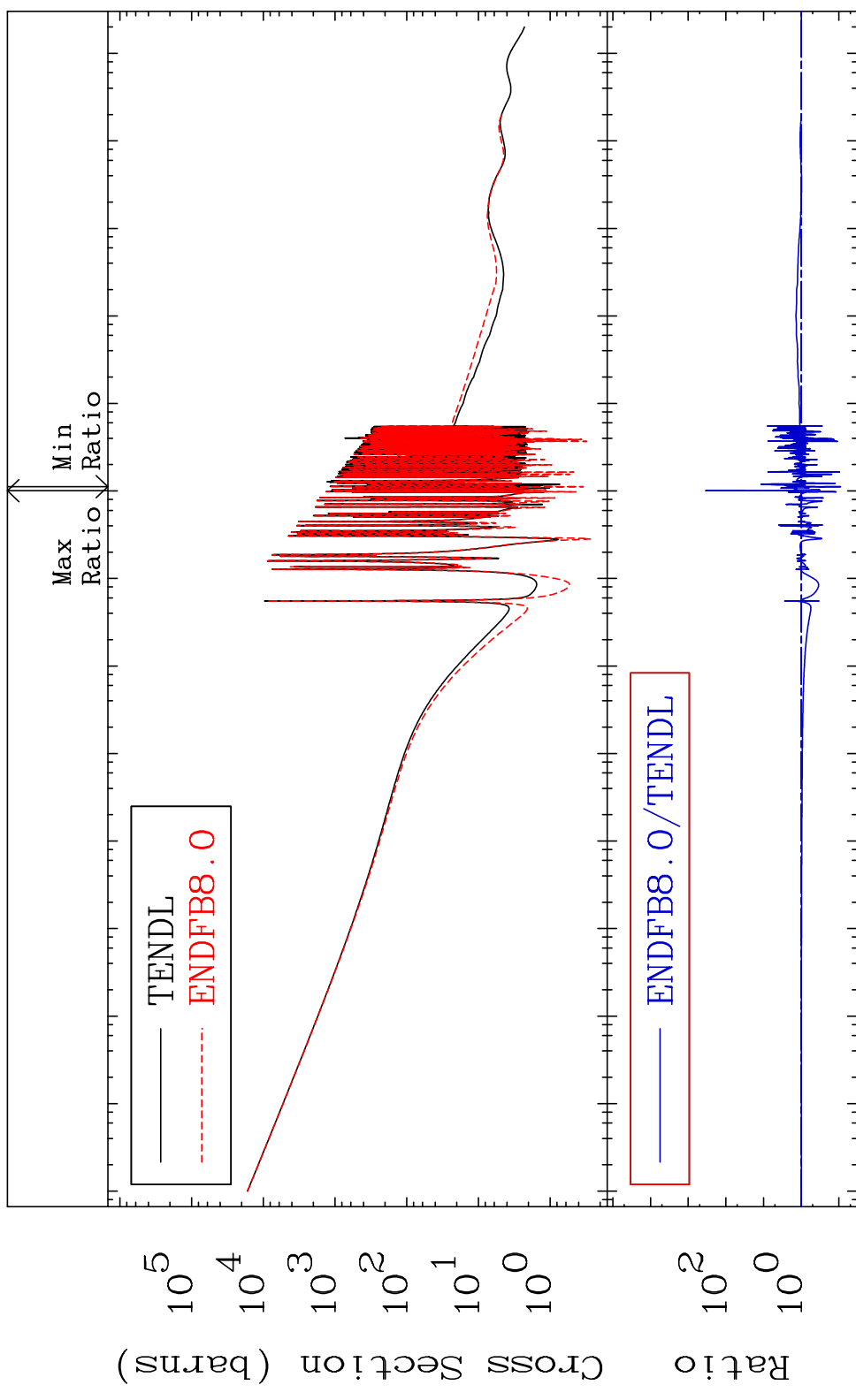
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6028

Total Cross Section -90.87 To 9999. %
60-Nd-143



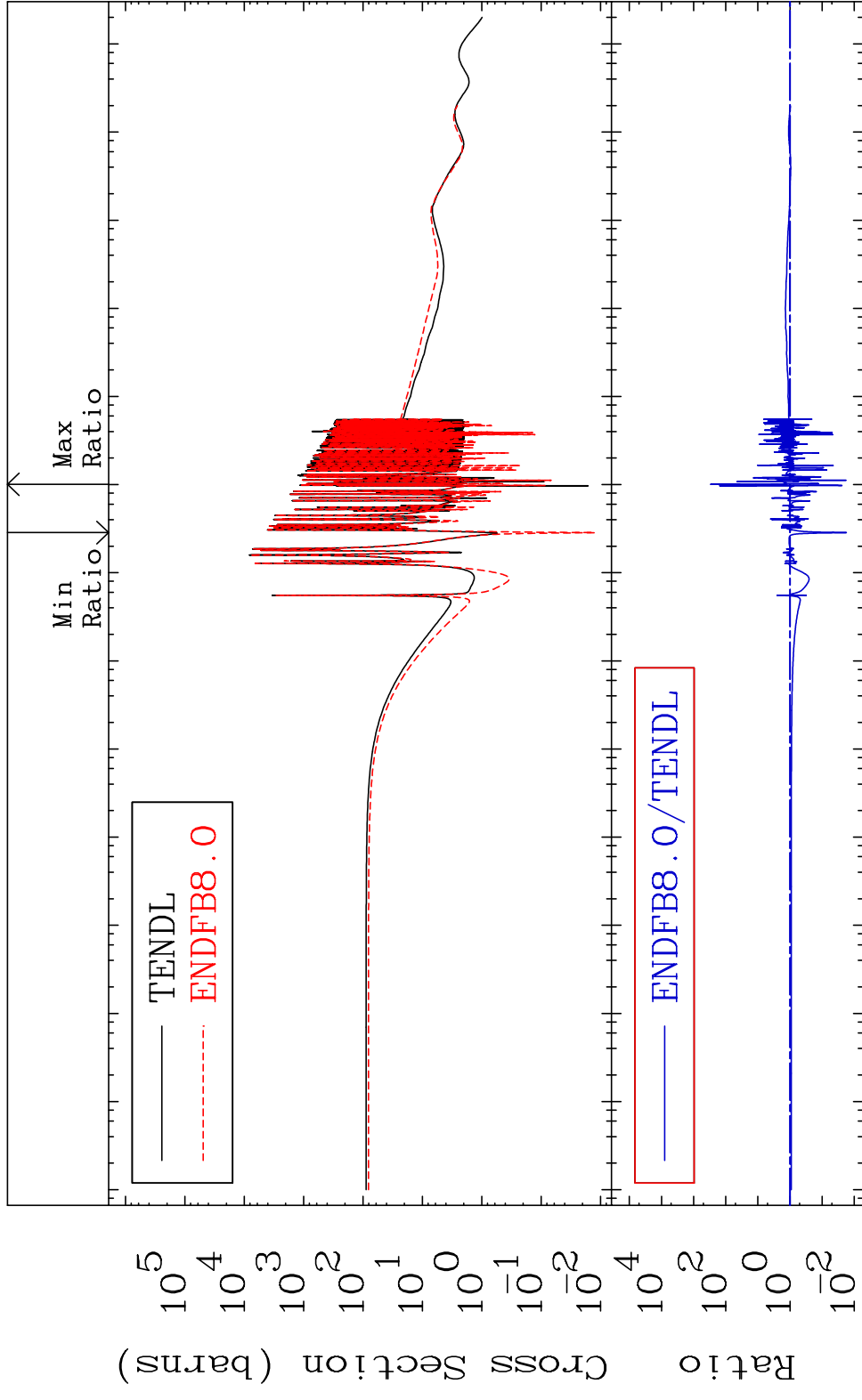
1 Incident Energy (eV) 60-Nd-143

MAT 6028

Elastic

60-Nd-143

Cross Section -98.23 To 9999. %



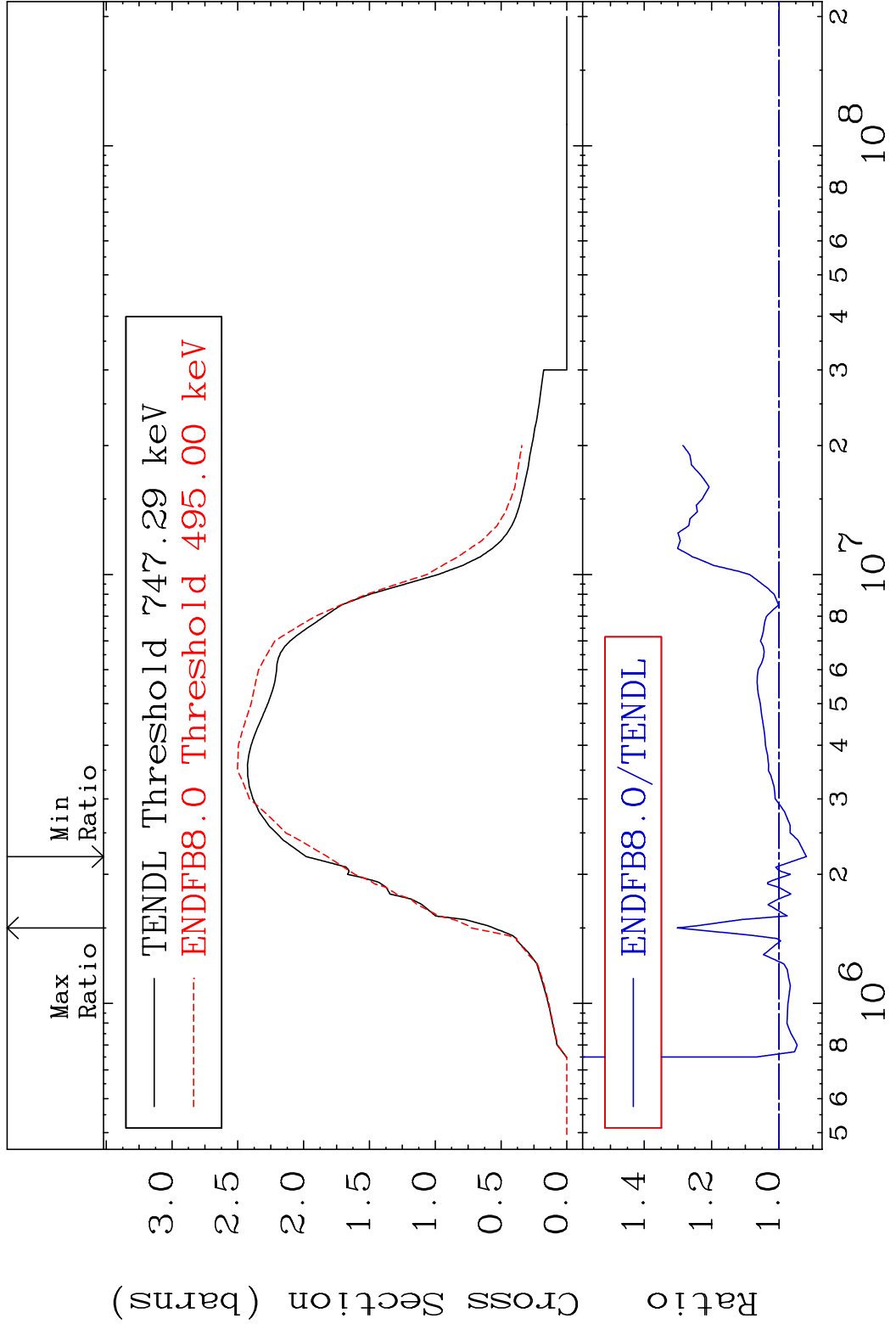
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

60-Nd-143

MAT 6028 Inelastic 60-Nd-143
 Cross Section -8.127 To 30.23 %

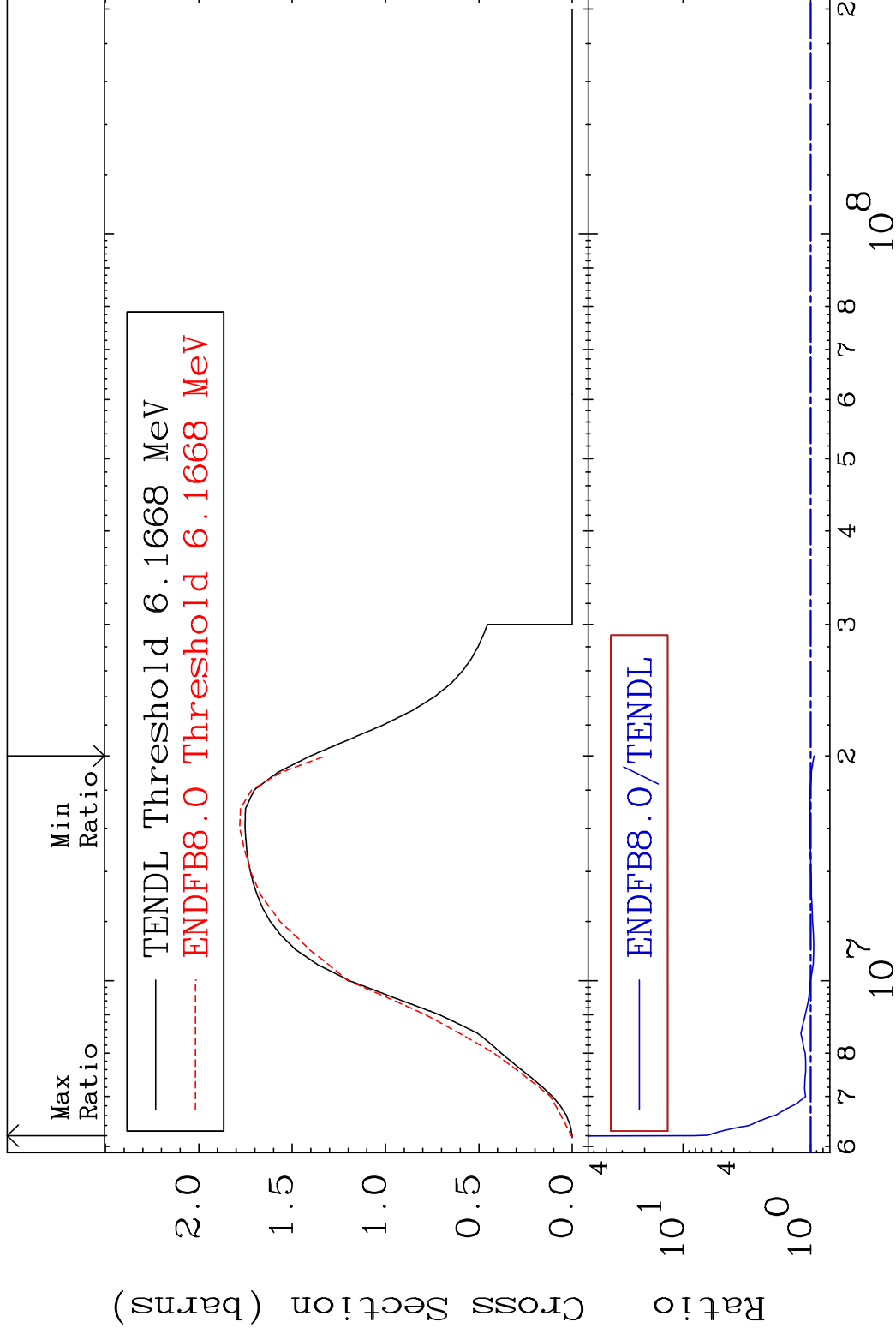


MAT 6028

(n,2n)

60-Nd-143

Cross Section -5.783 To 889.7 %



60-Nd-143

Incident Energy (eV)

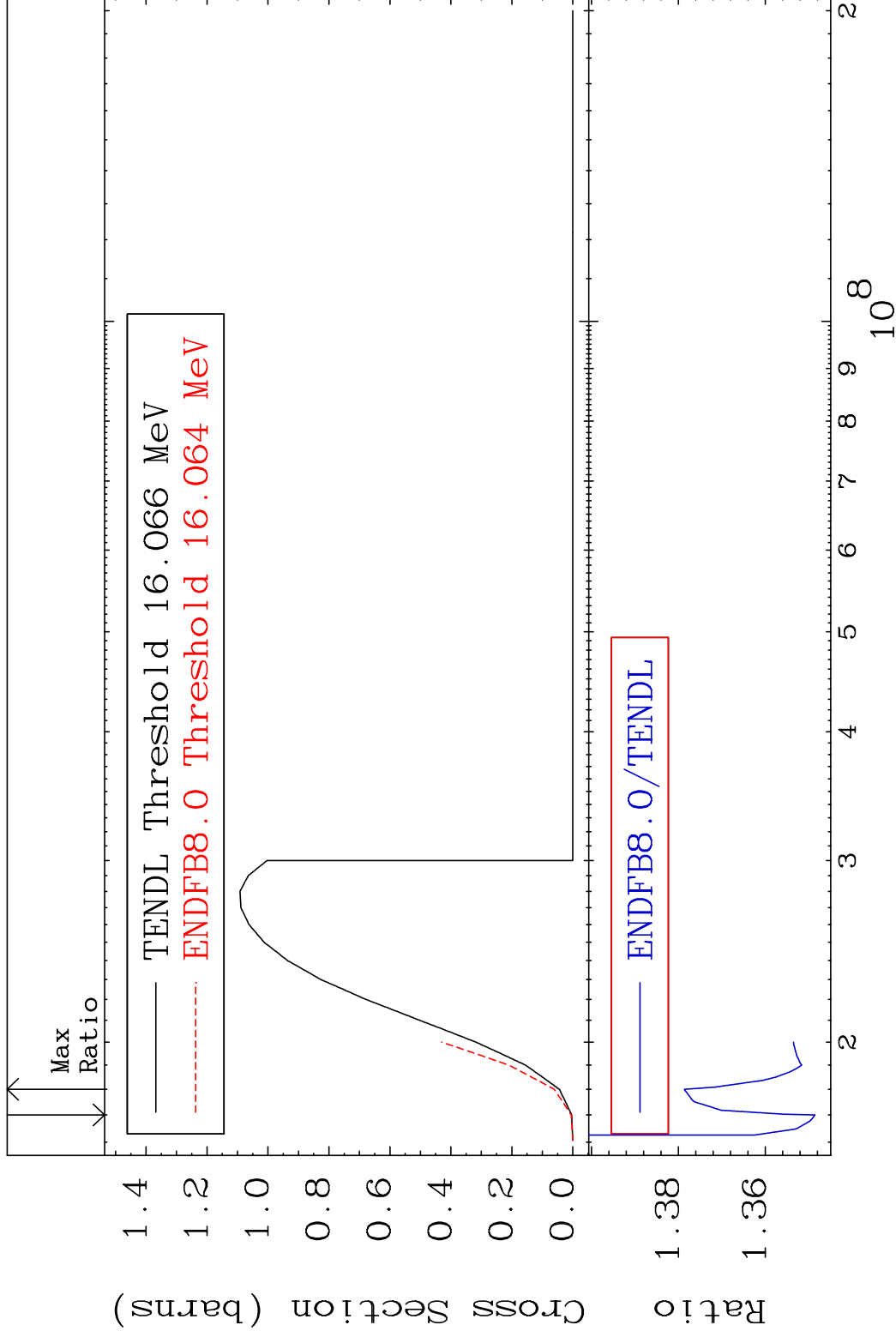
4

MAT 6028

(n,3n)

60-Nd-143

Cross Section 34.86 To 37.86 %

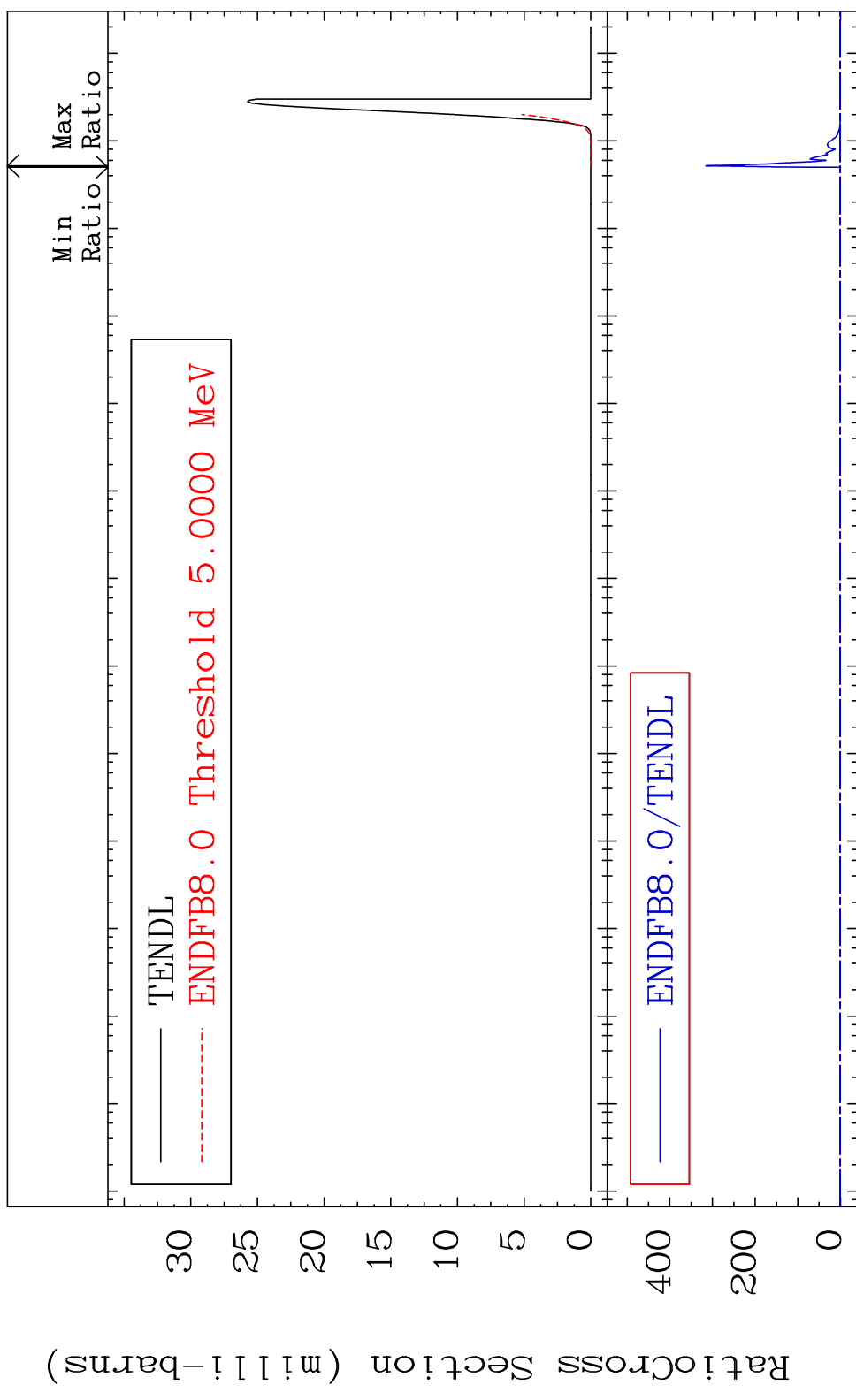


MAT 6028

(n, n') α

60-Nd-143

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

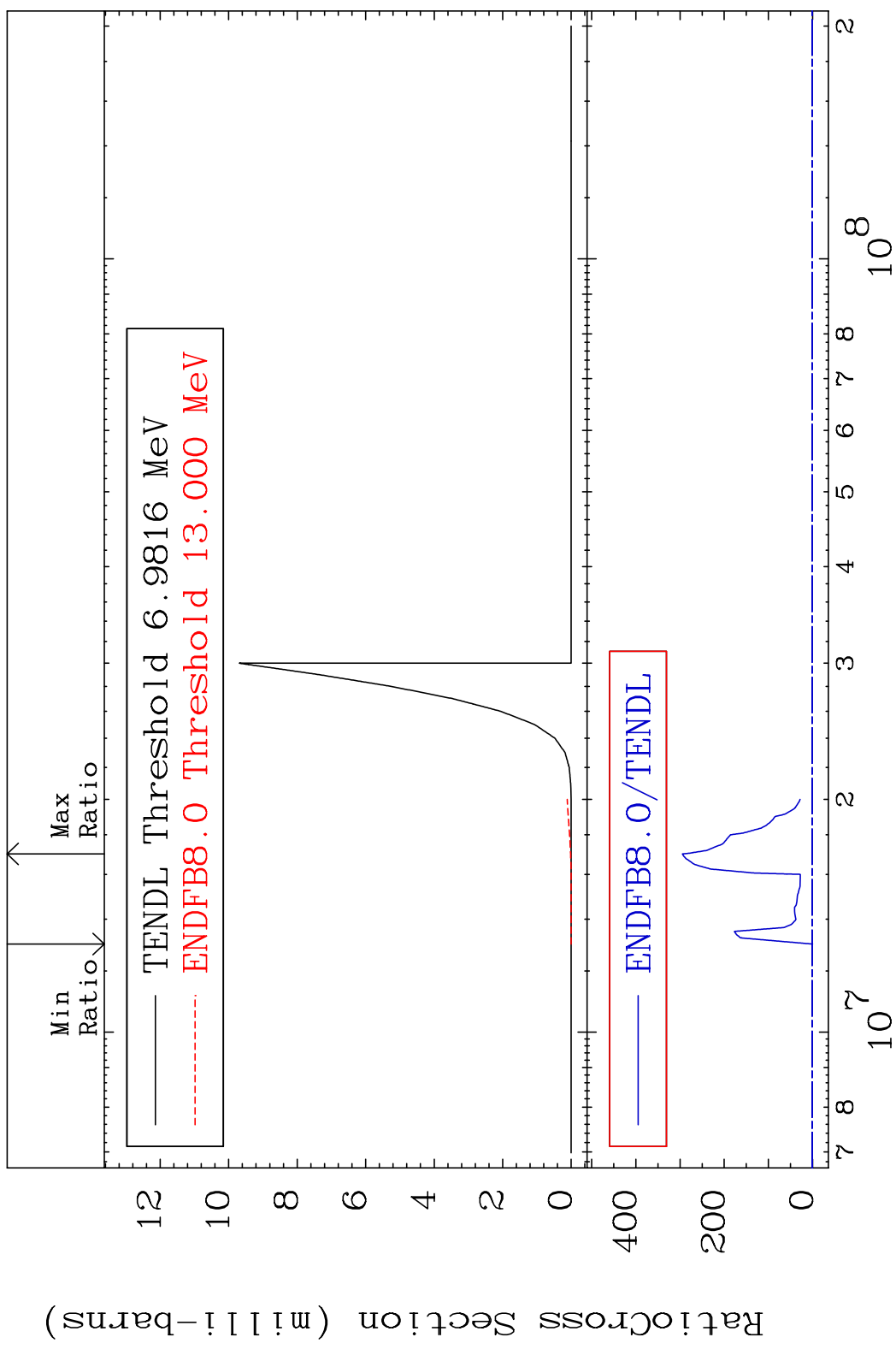
60-Nd-143

MAT 6028

(n,2n) α

60-Nd-143

Cross Section -100.0 To 9999. %

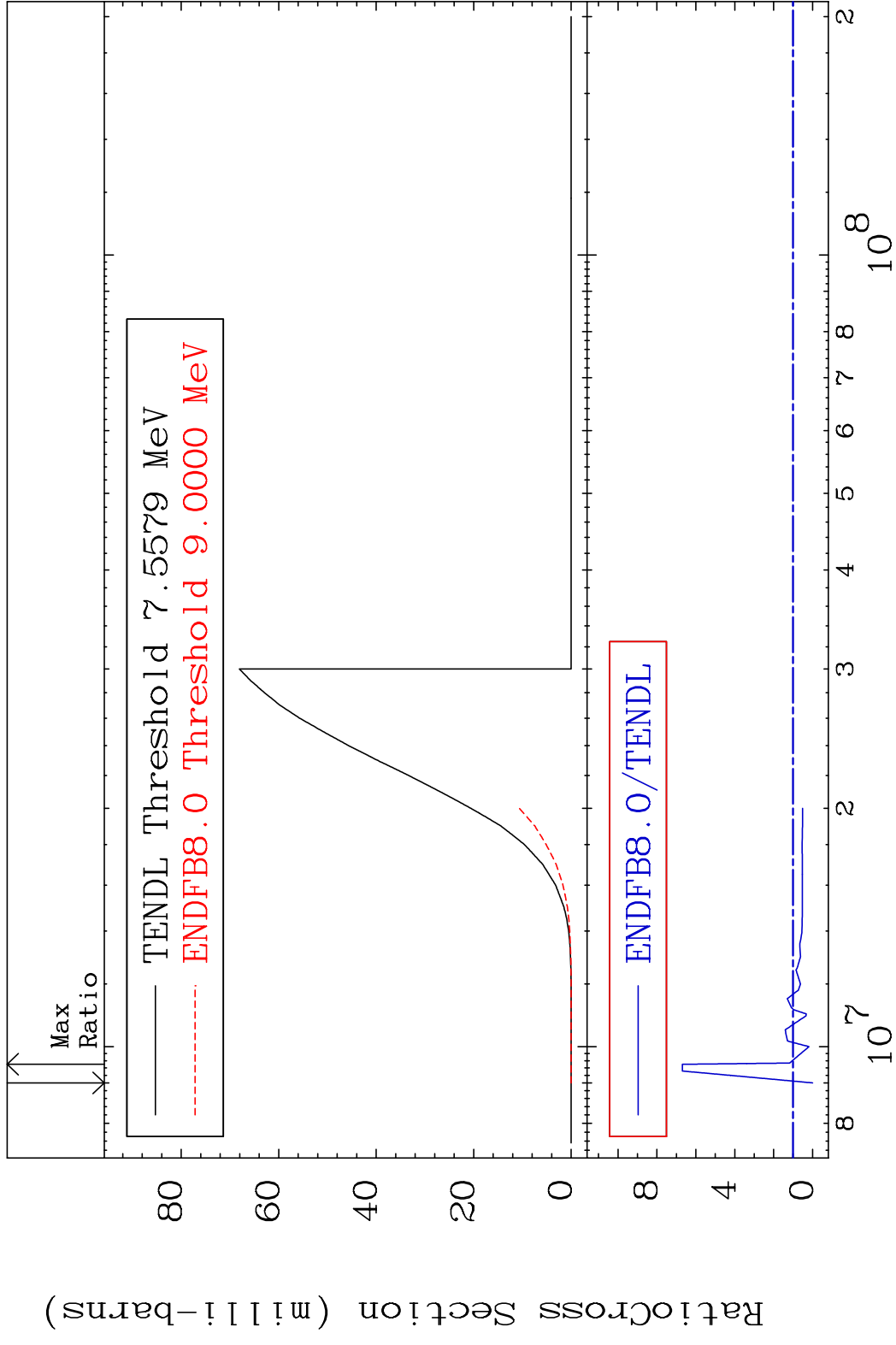


7

Incident Energy (eV)

60-Nd-143

MAT 6028 (n, n') p 60-Nd-143
 Cross Section -100.0 To 569.2 %



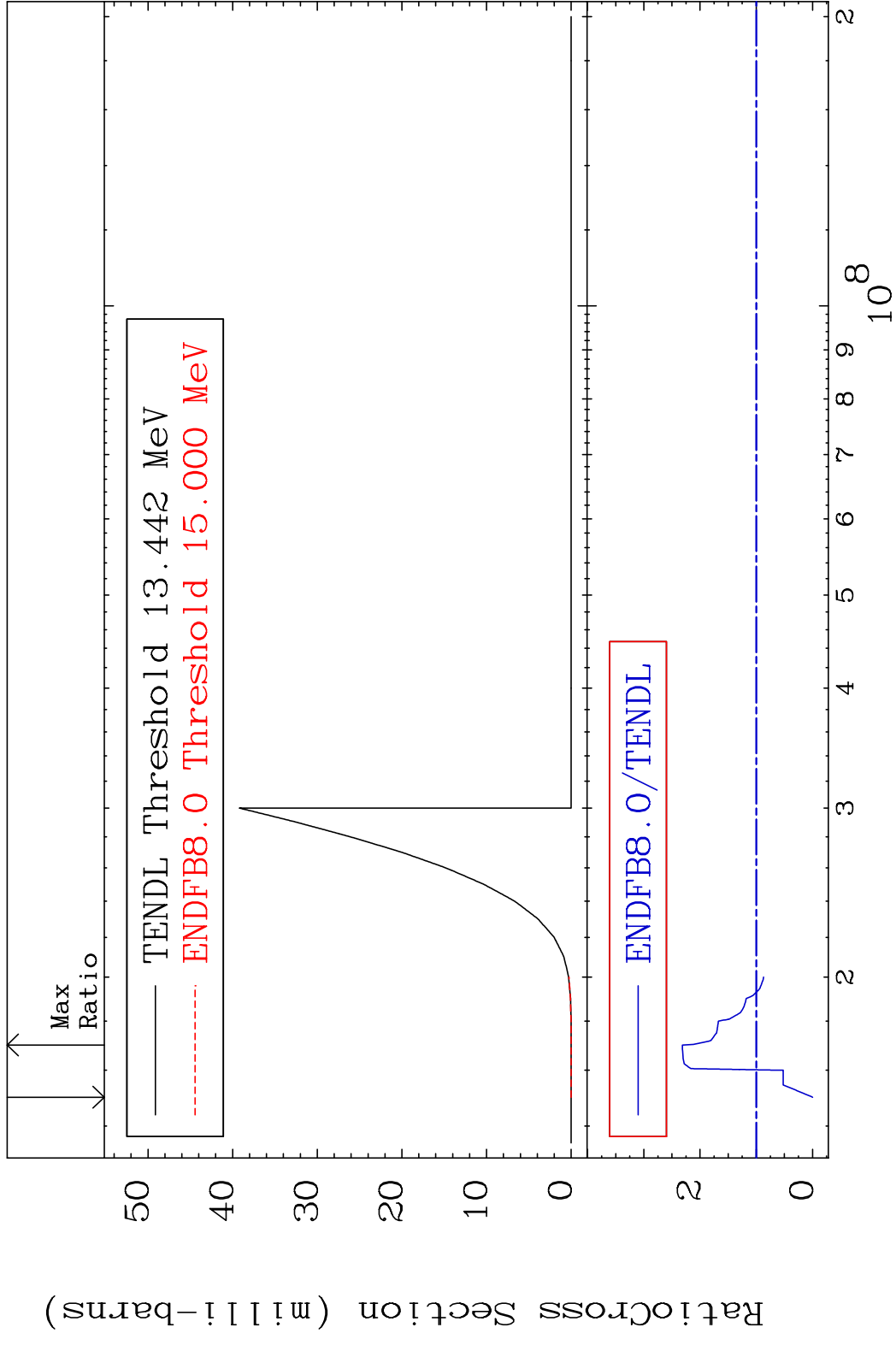
8 8 Incident Energy (eV) 60-Nd-143

MAT 6028

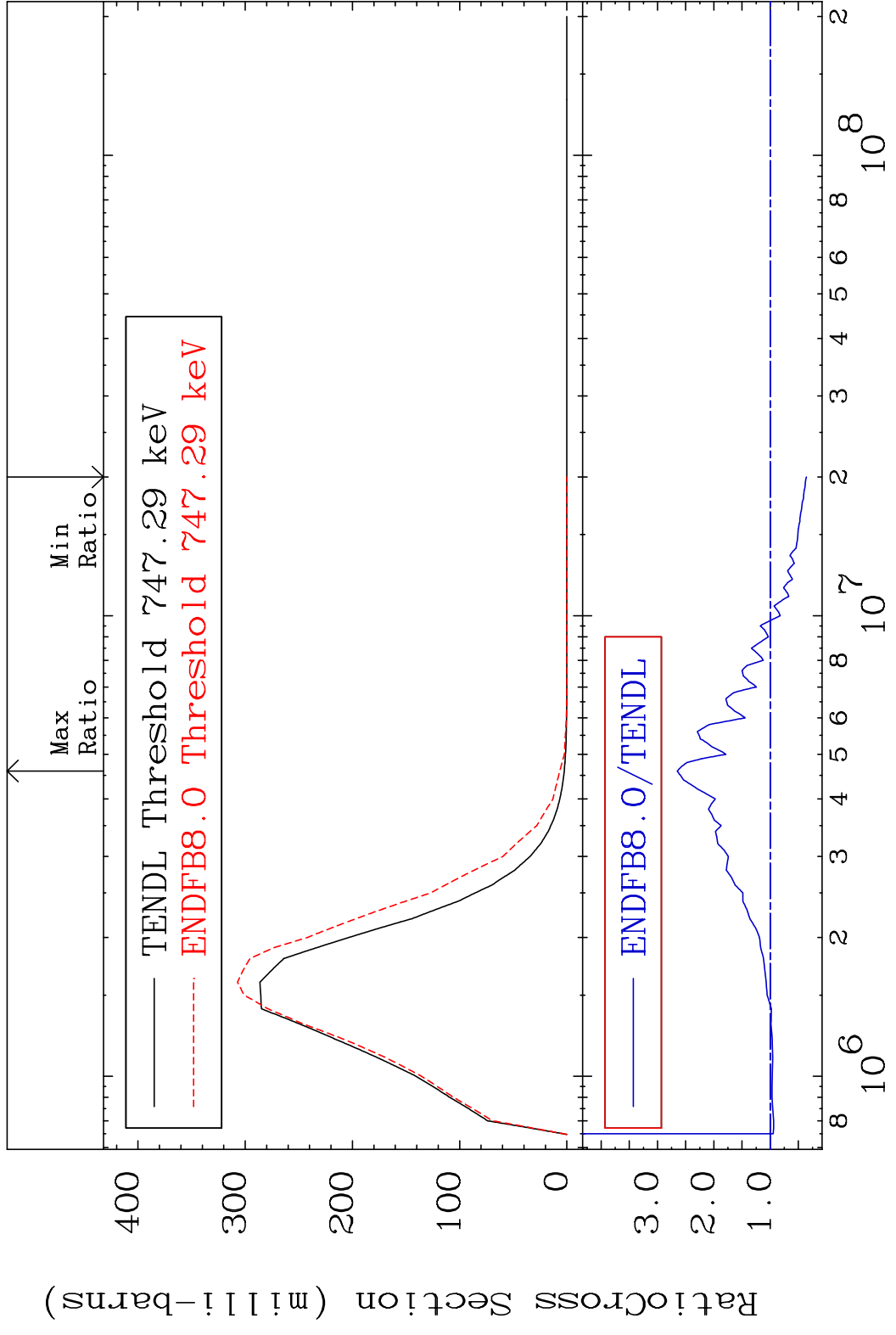
(n,2n) p

60-Nd-143

Cross Section -100.0 To 131.5 %

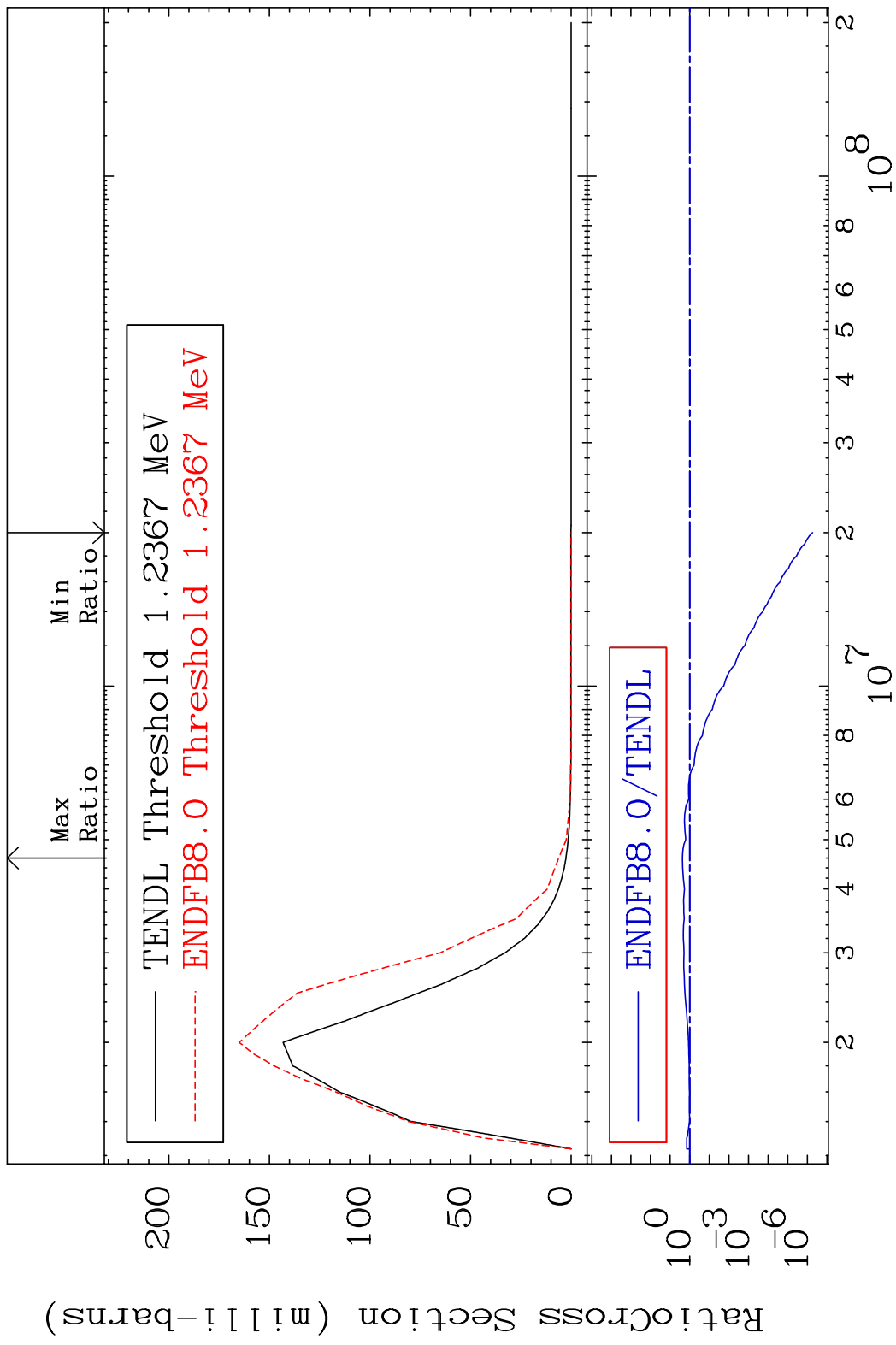


MAT 6028 MT= 51 (n, n') Level 60-Nd-143
 Cross Section -64.20 To 165.1 %

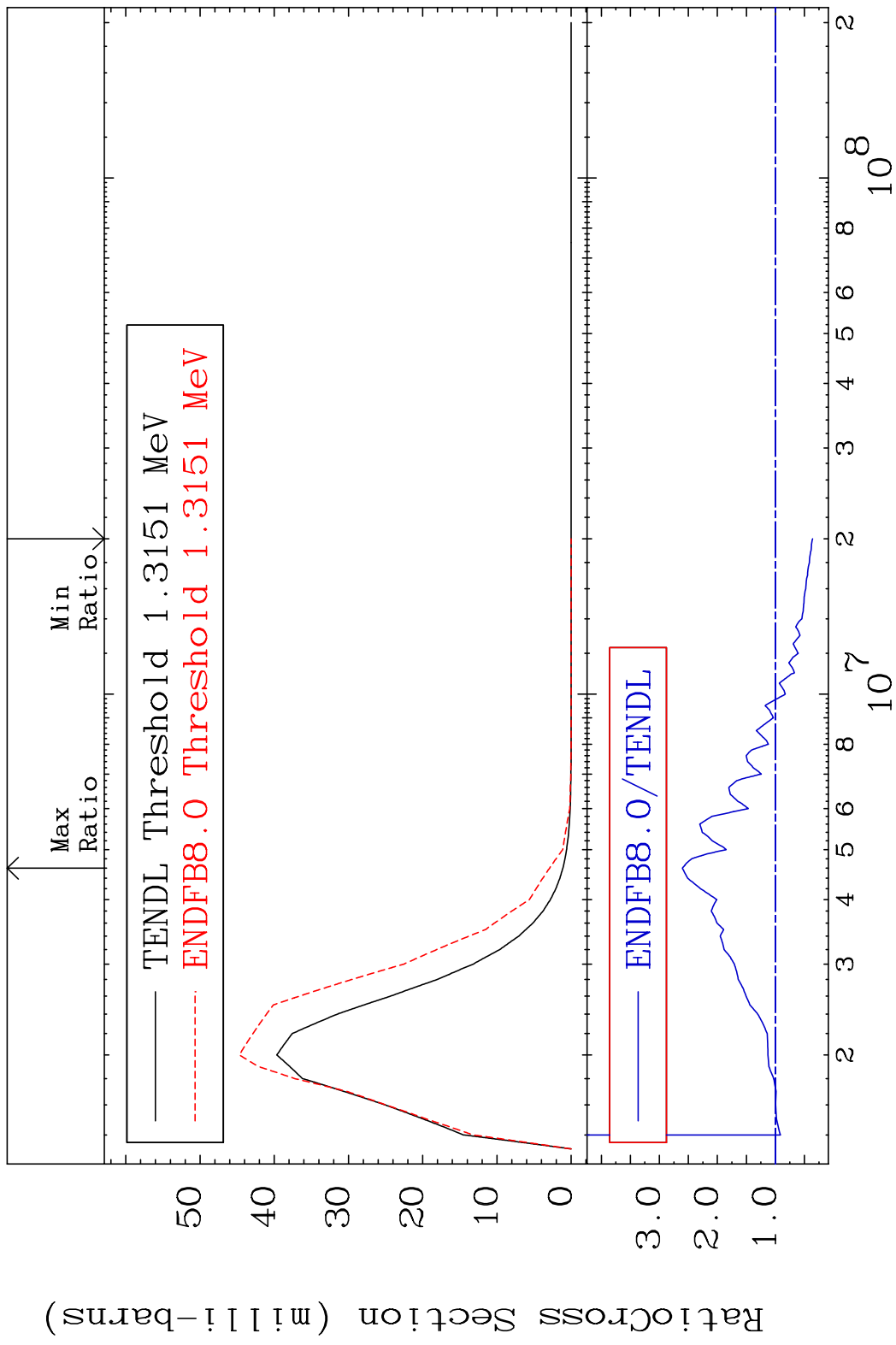


10 8 10⁶ 10⁷ 10⁸ 2 3 4 5 6 8

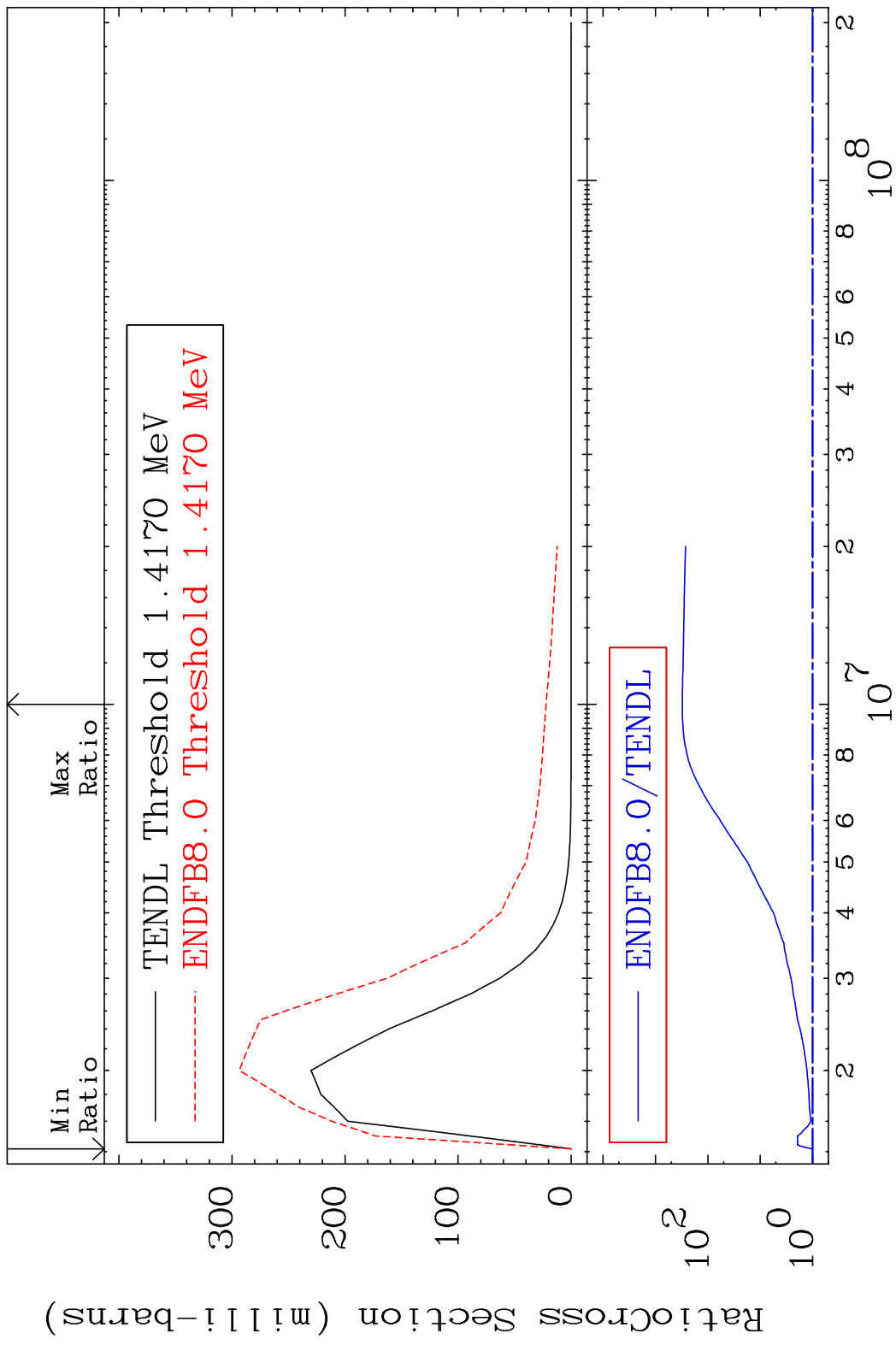
MAT 6028 MT= 52 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 138.8 %



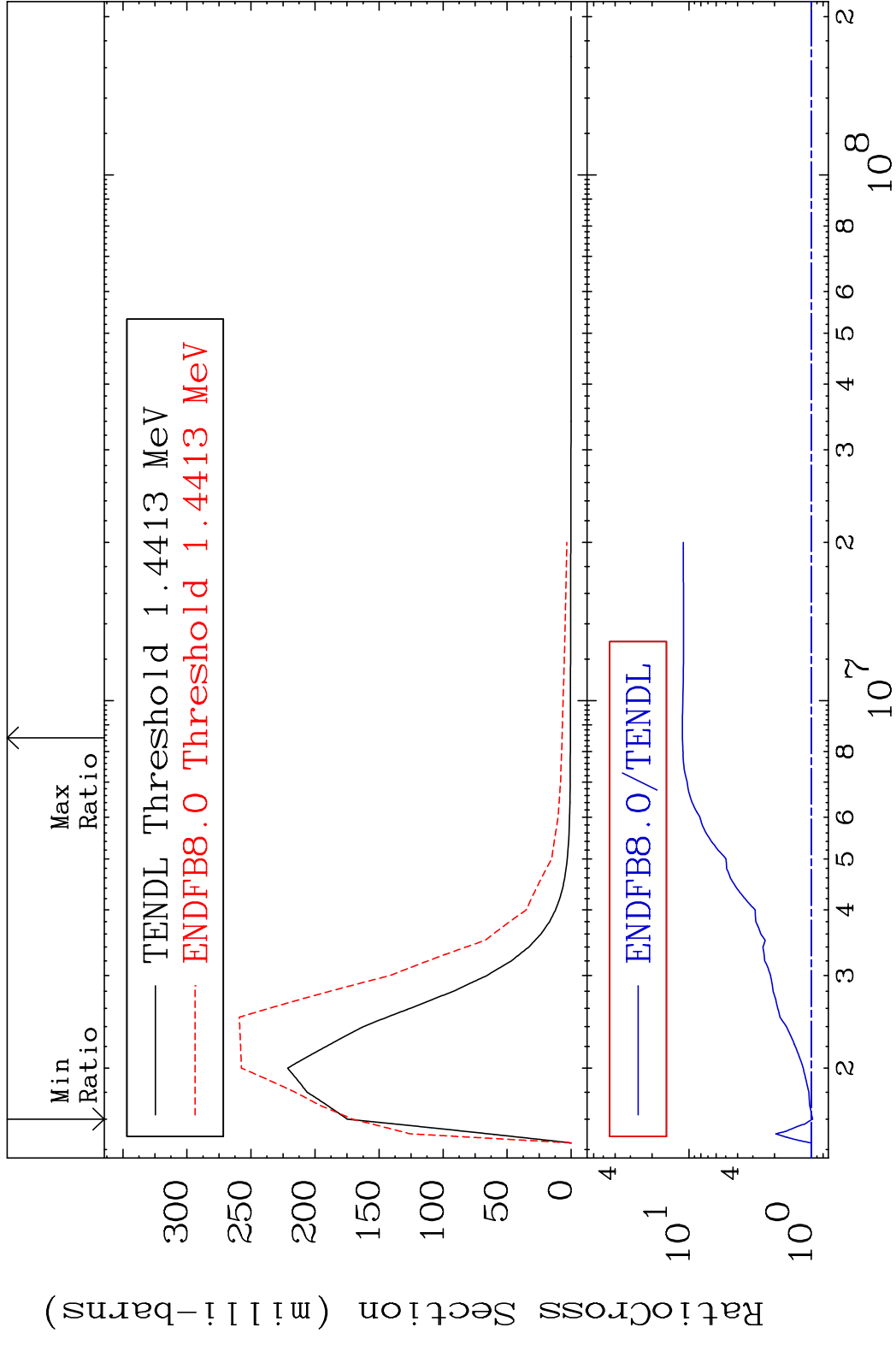
MAT 6028 MT= 53 (n, n') Level 60-Nd-143
 Cross Section -64.08 To 160.4 %



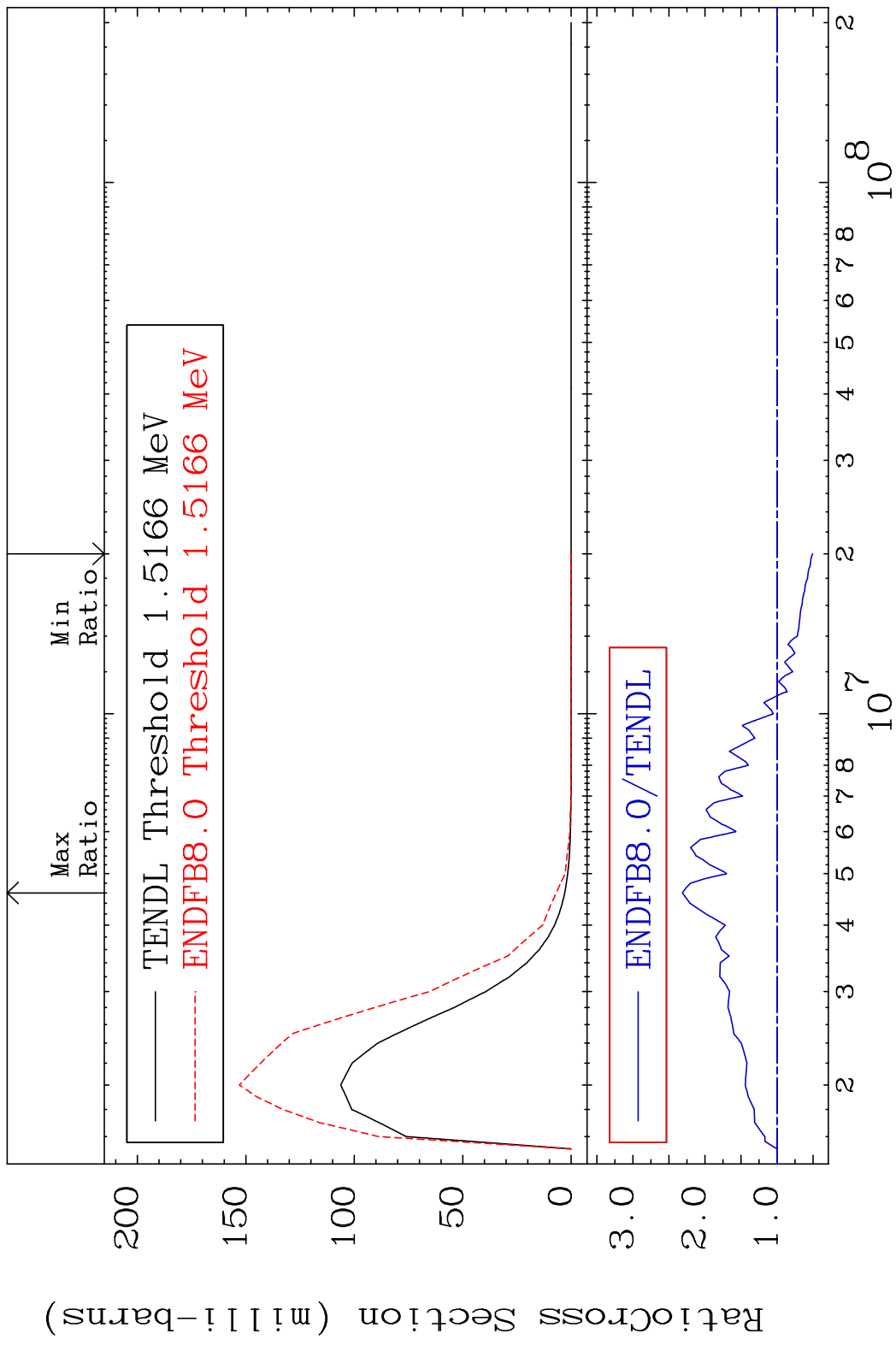
MAT 6028 MT= 54 (n,n') Level 60-Nd-143
 Cross Section 0.000 To 9999. %



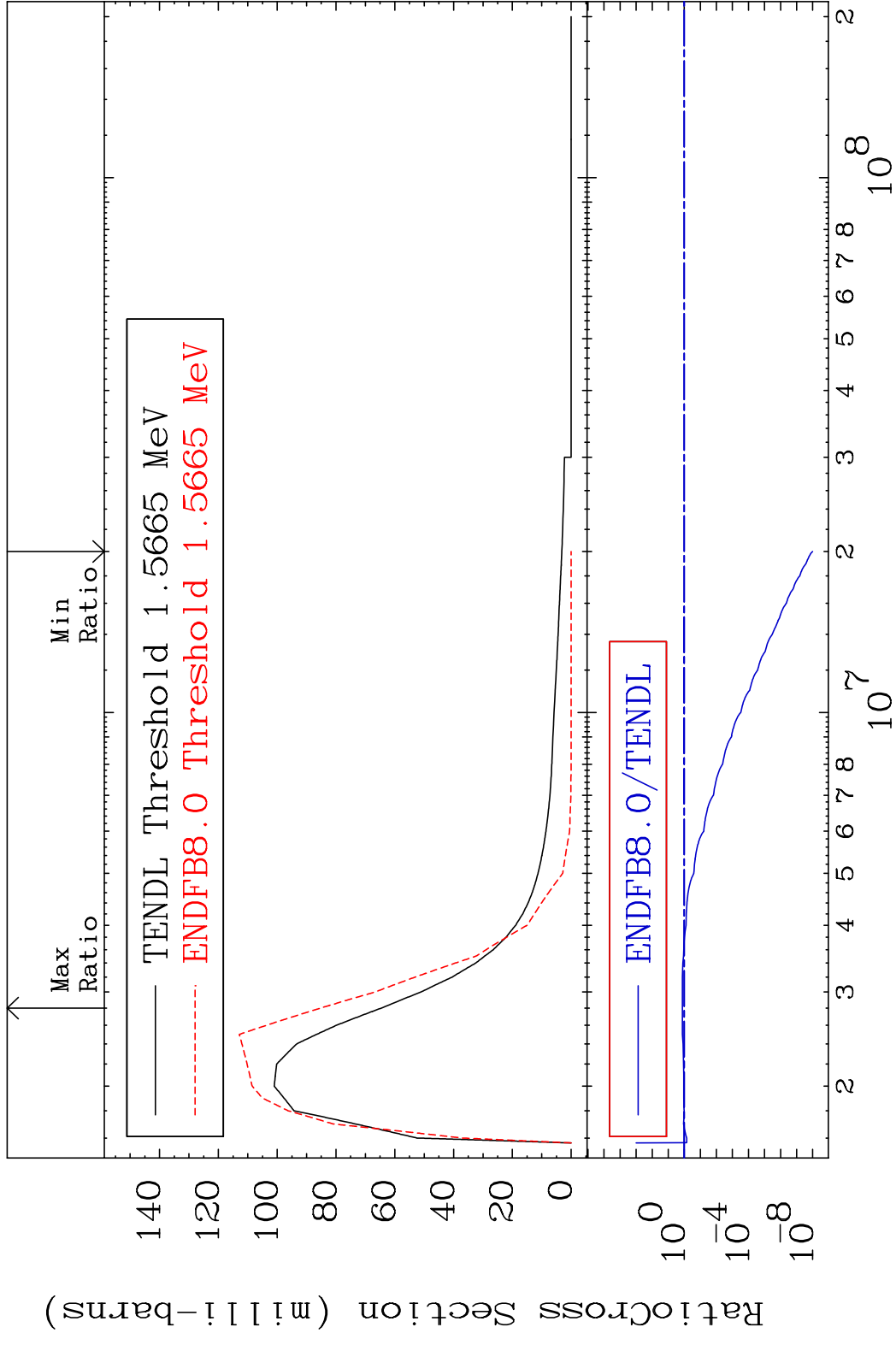
MAT 6028 MT= 55 (n,n') Level 60-Nd-143
 Cross Section -2.364 To 1031. %



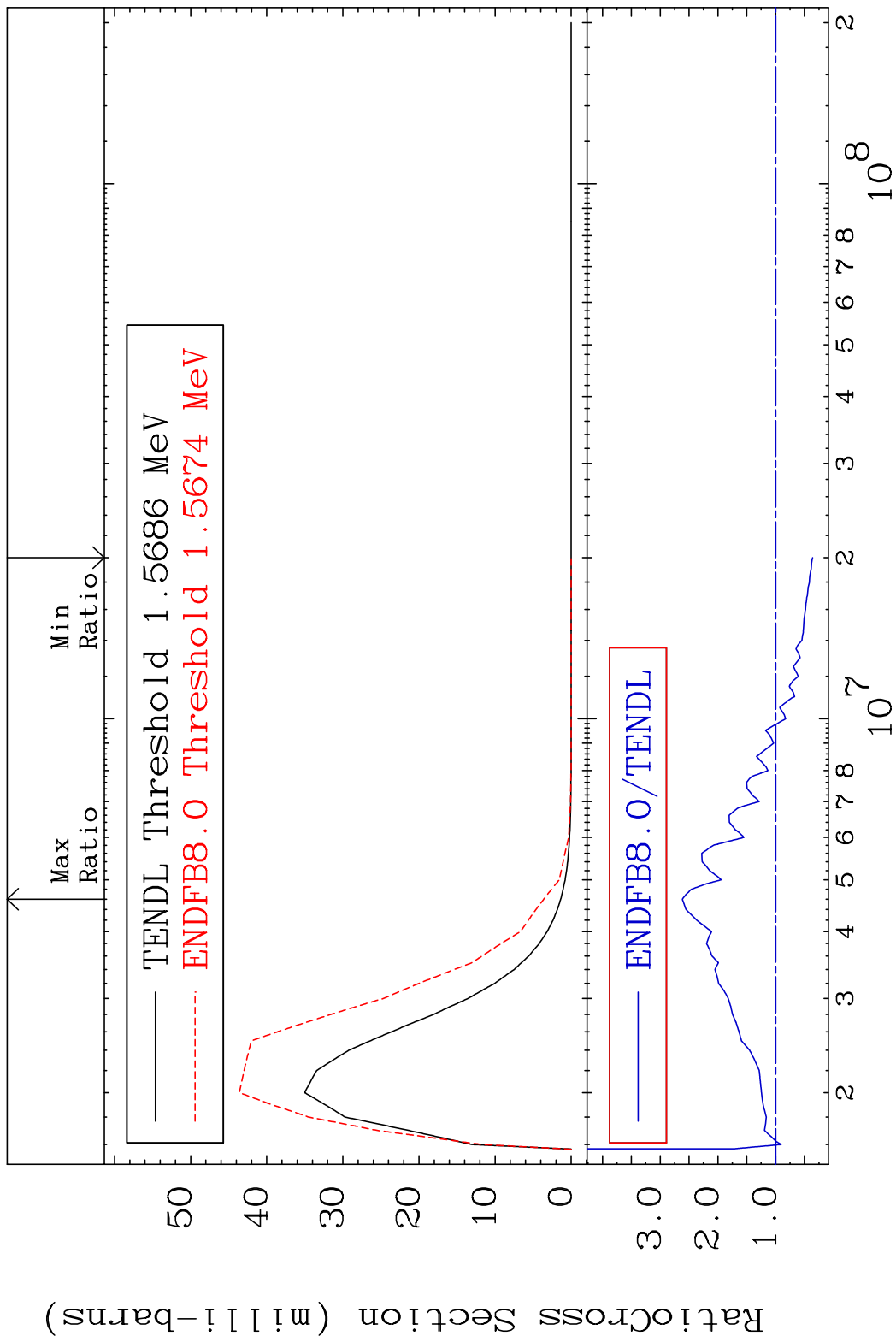
MAT 6028 MT= 56 (n,n') Level 60-Nd-143
 Cross Section -49.41 To 131.3 %



MAT 6028 MT= 57 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 31.96 %

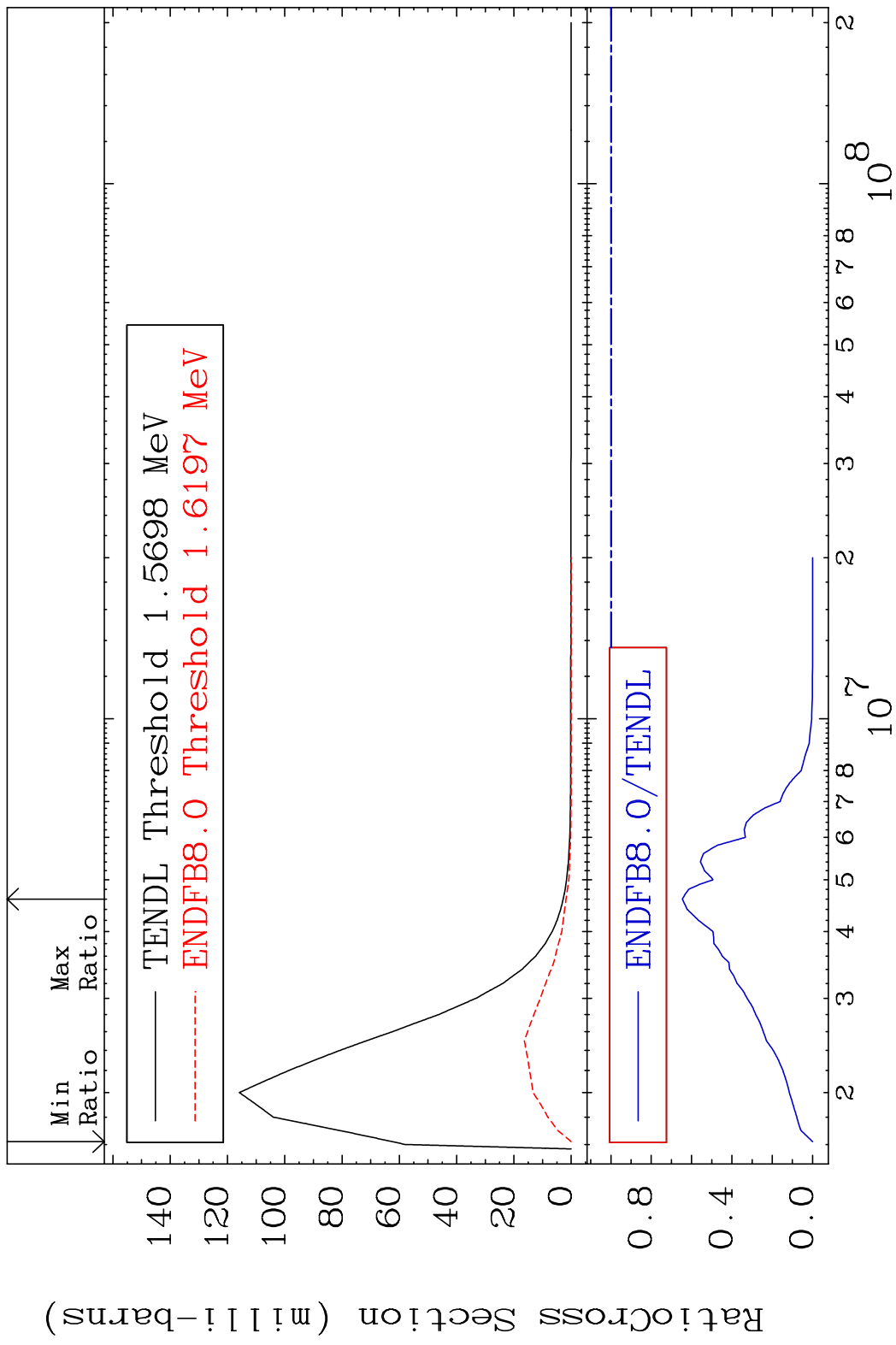


MAT 6028 MT= 58 (n, n') Level 60-Nd-143
 Cross Section -64.04 To 161.6 %

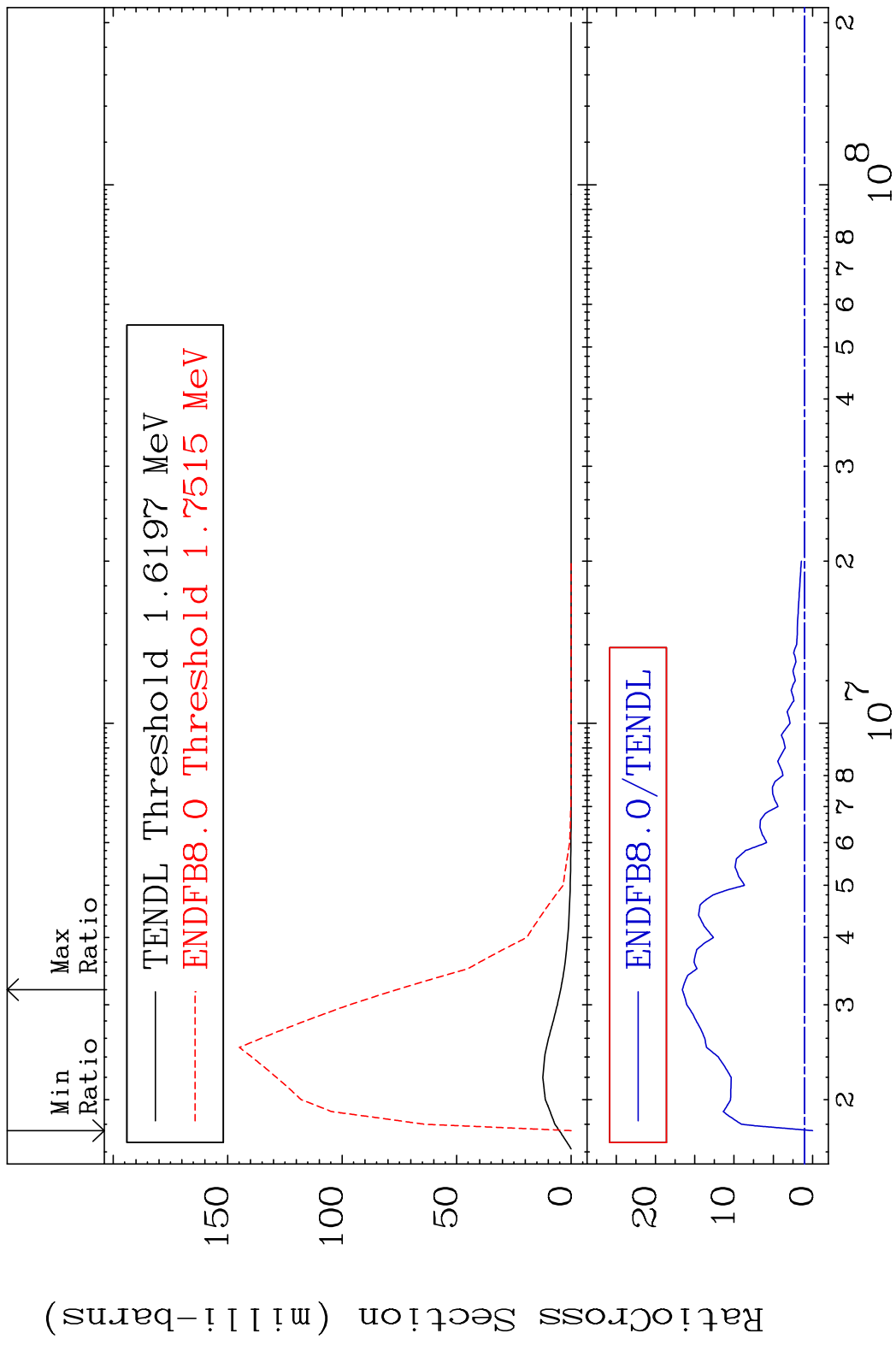


17 Incident Energy (eV) 60-Nd-143

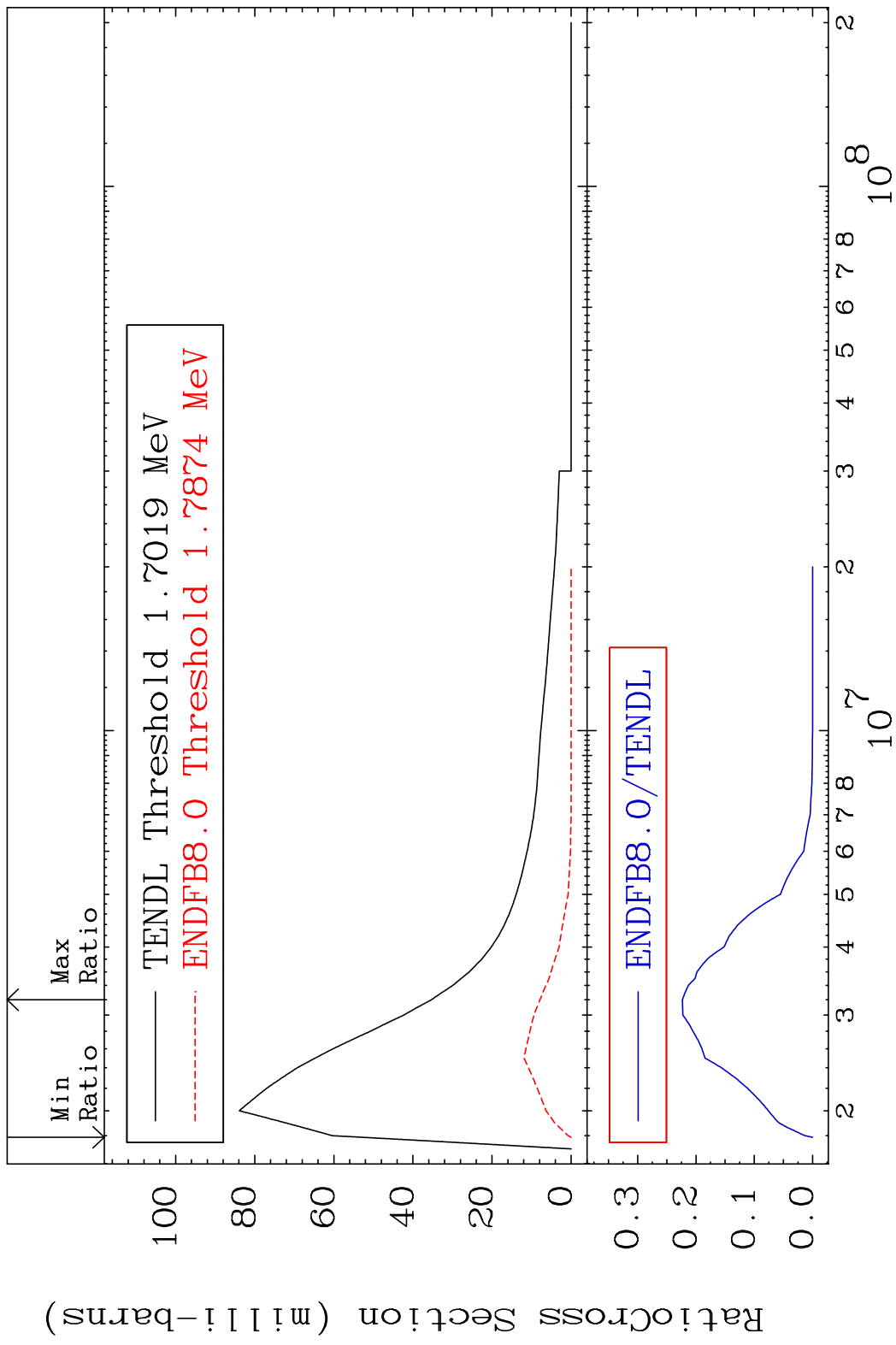
MAT 6028 MT= 59 (n,n') Level 60-Nd-143
 Cross Section -100.0 To -35.43%



MAT 6028 MT= 60 (n,n') Level 60-Nd-143
 Cross Section -100.0 To 1558. %

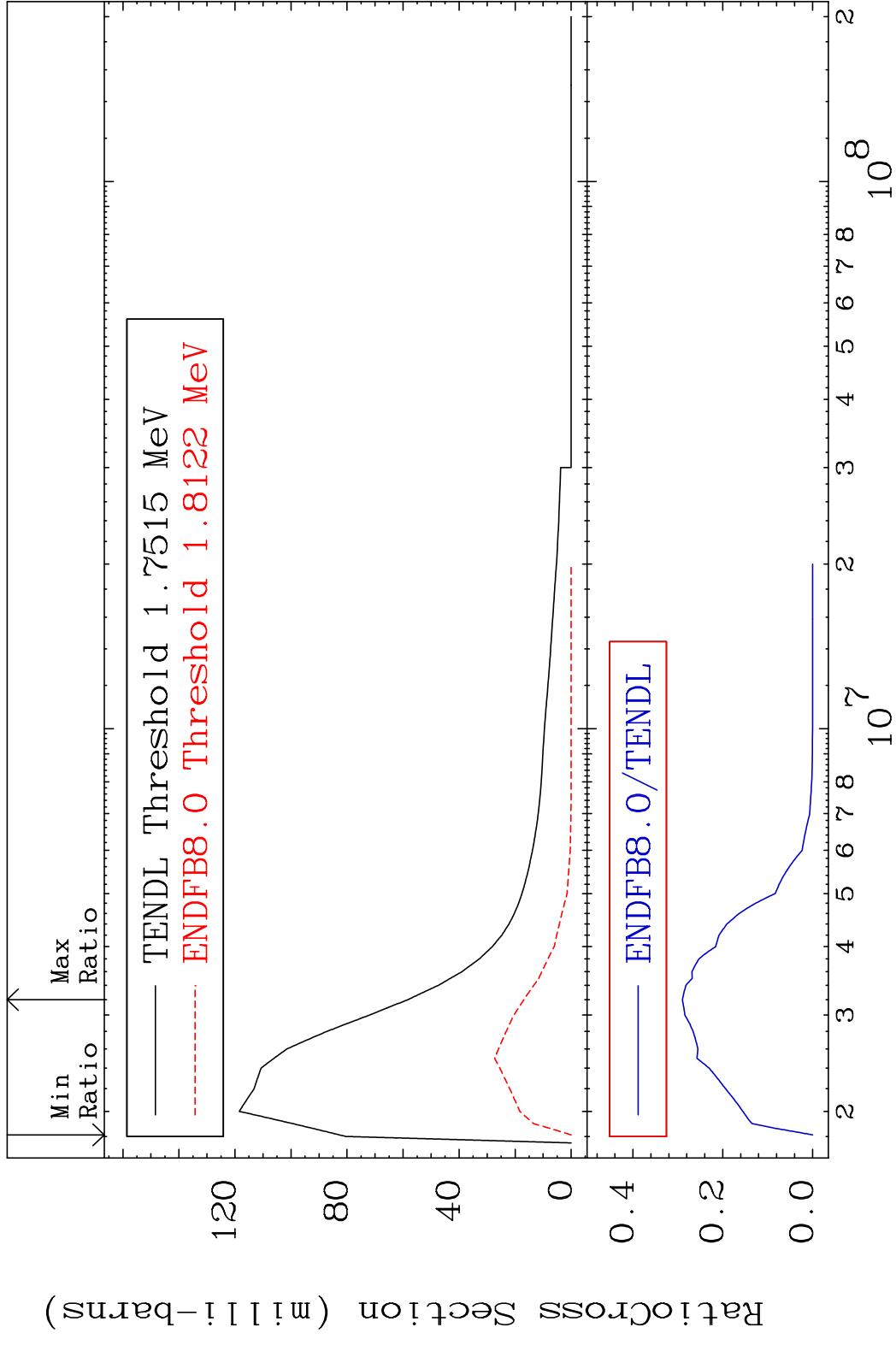


MAT 6028 MT= 61 (n, n') Level 60-Nd-143
 Cross Section -100.0 To -77.66%

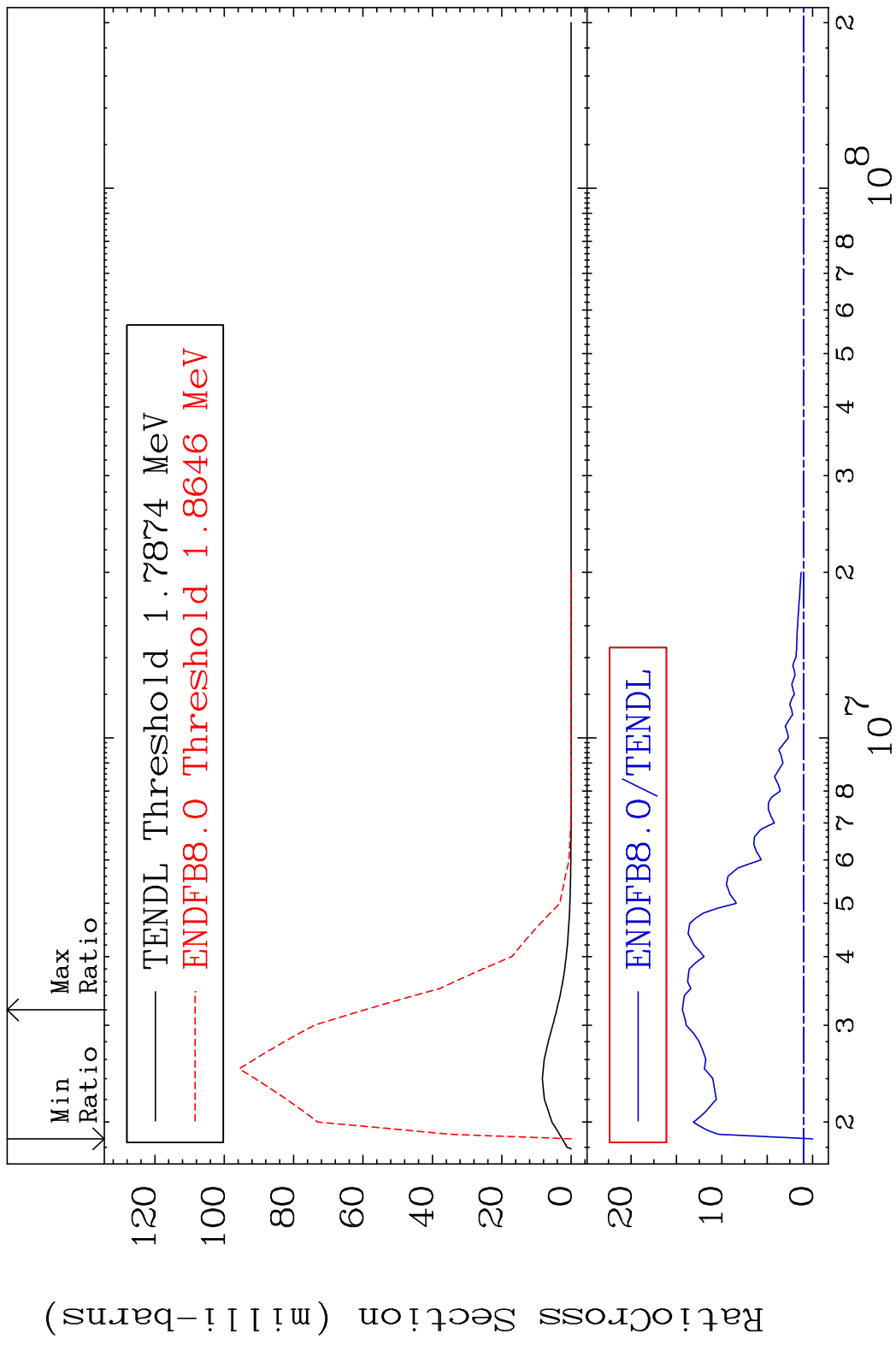


20 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 62 (n, n') Level 60-Nd-143
 Cross Section -100.0 To -71.01%

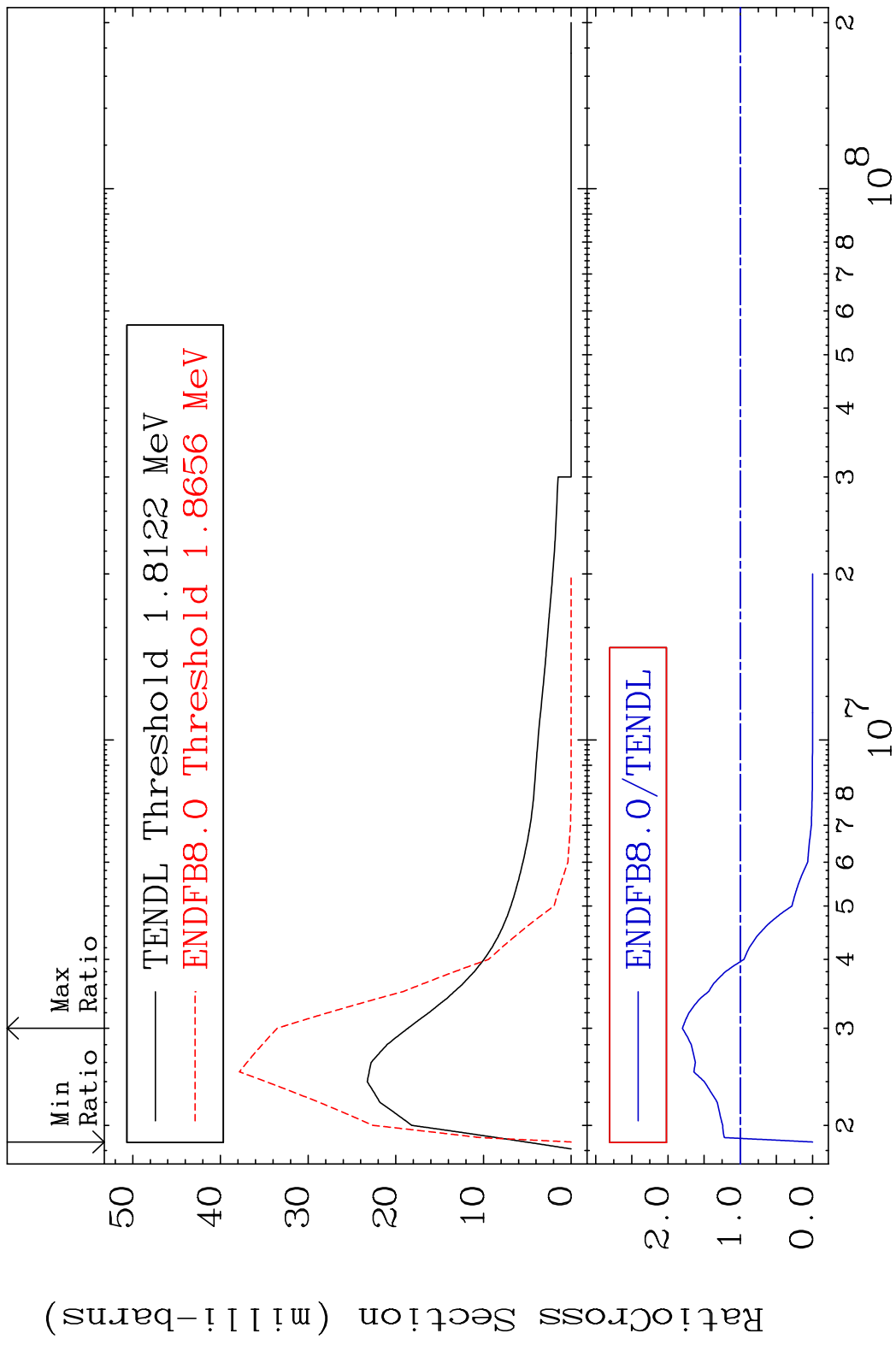


MAT 6028 MT= 63 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 1336. %

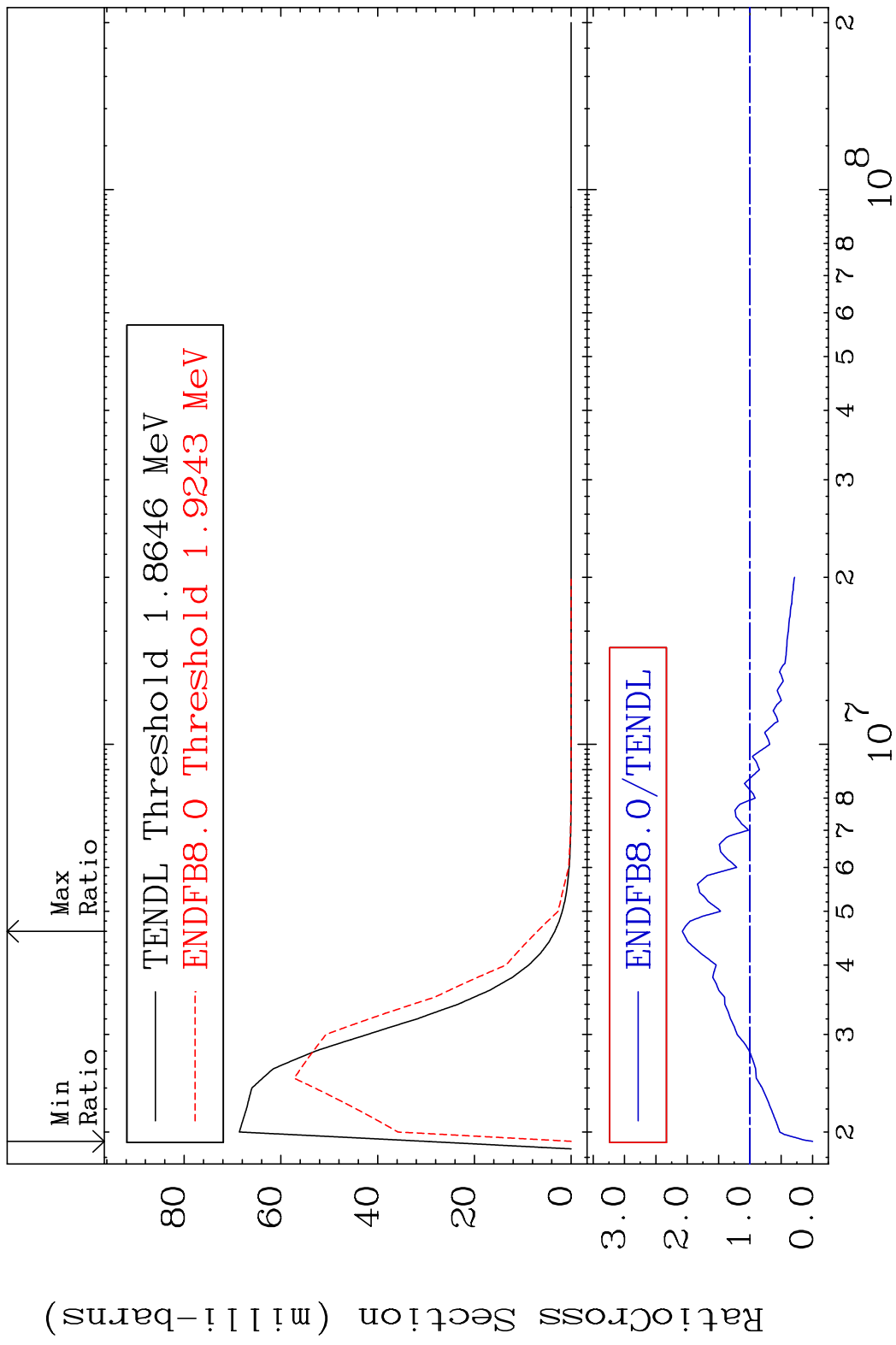


22 Incident Energy (eV) 60-Nd-143

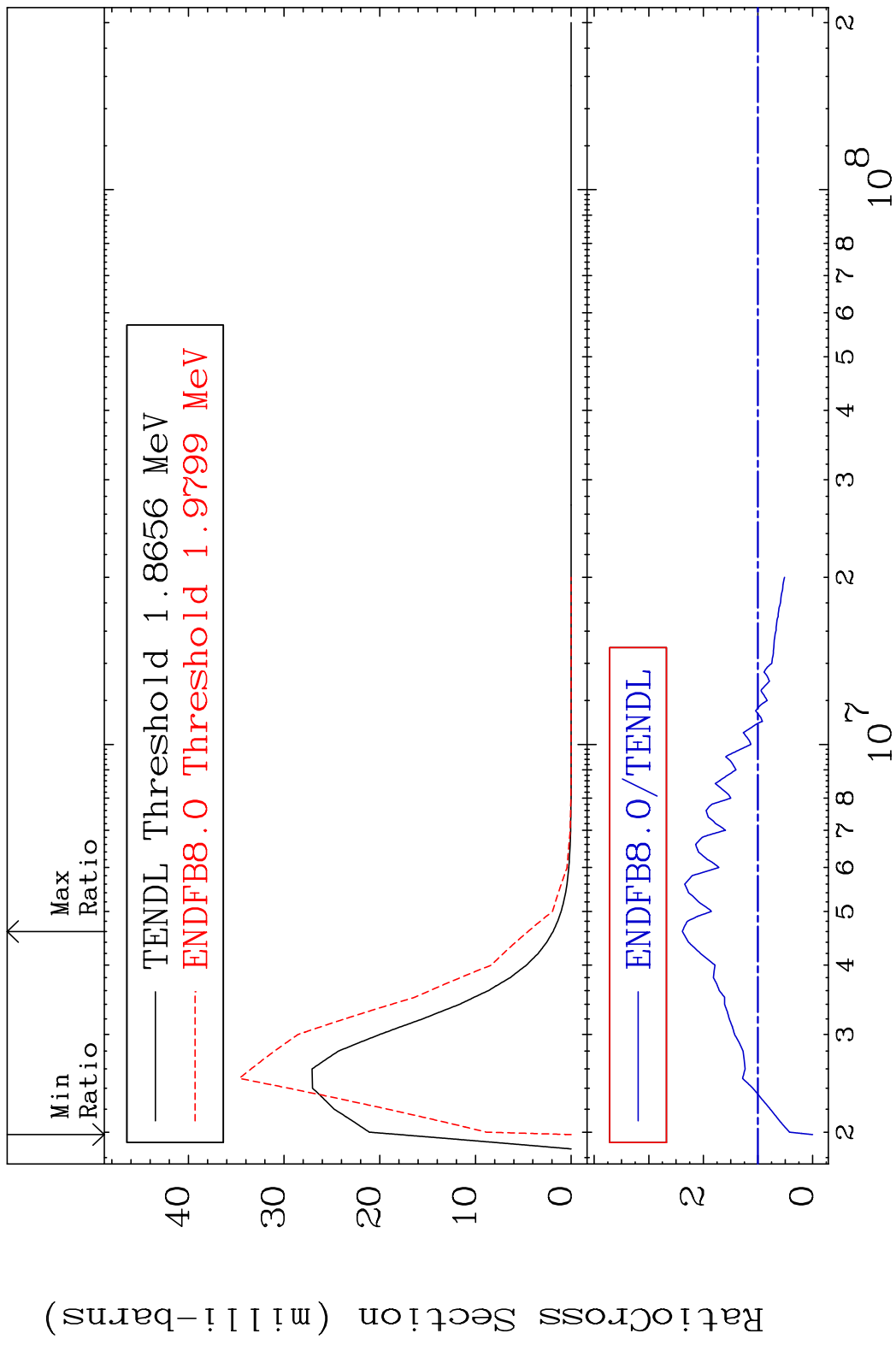
MAT 6028 MT= 64 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 80.09 %



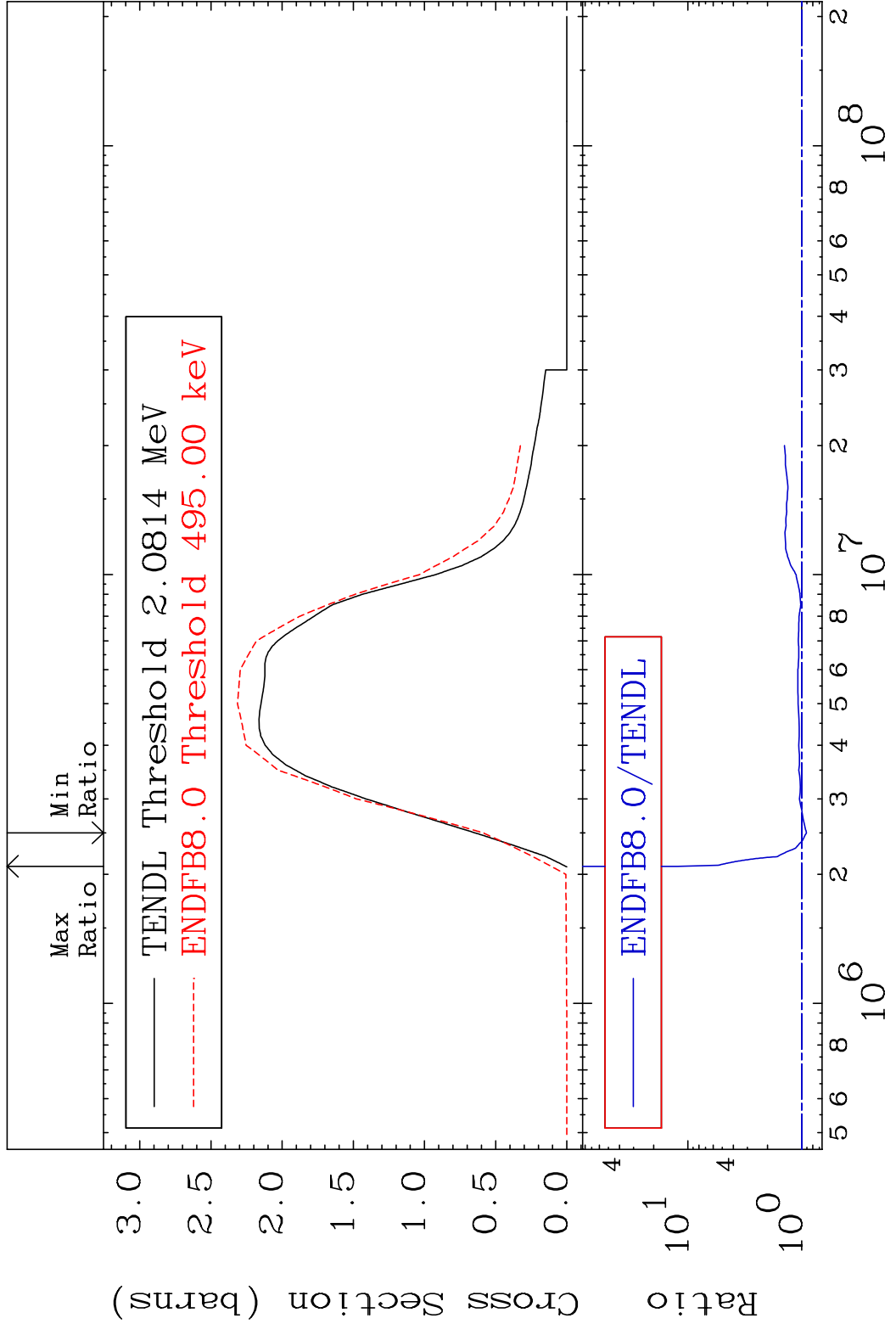
MAT 6028 MT= 65 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 107.8 %



MAT 6028 MT= 66 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 138.5 %

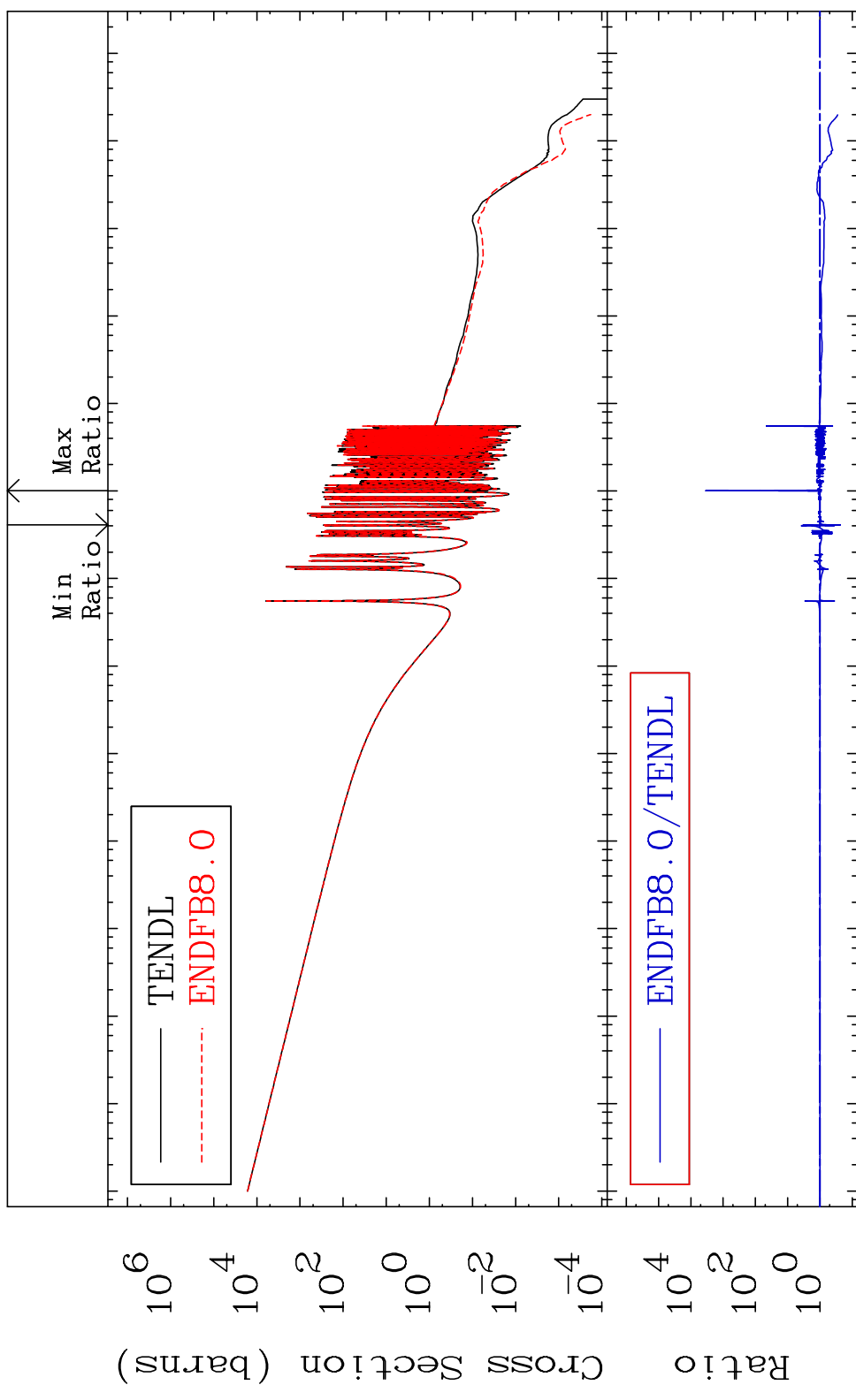


MAT 6028 (n, n') Continuum 60-Nd-143
 Cross Section -8.928 To 1143. %



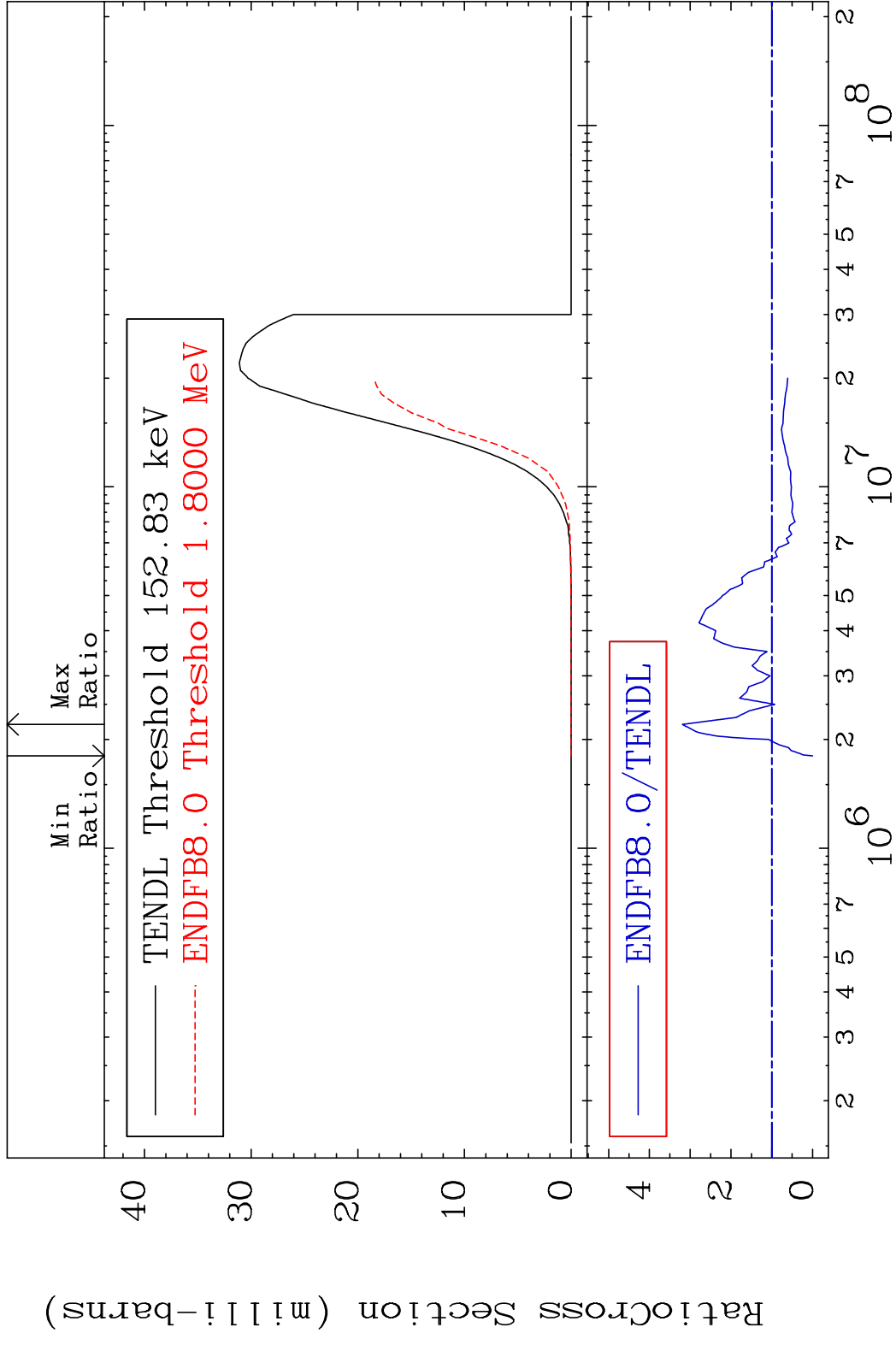
MAT 6028

(n, γ)
Cross Section -76.80 To 9999. %
60-Nd-143



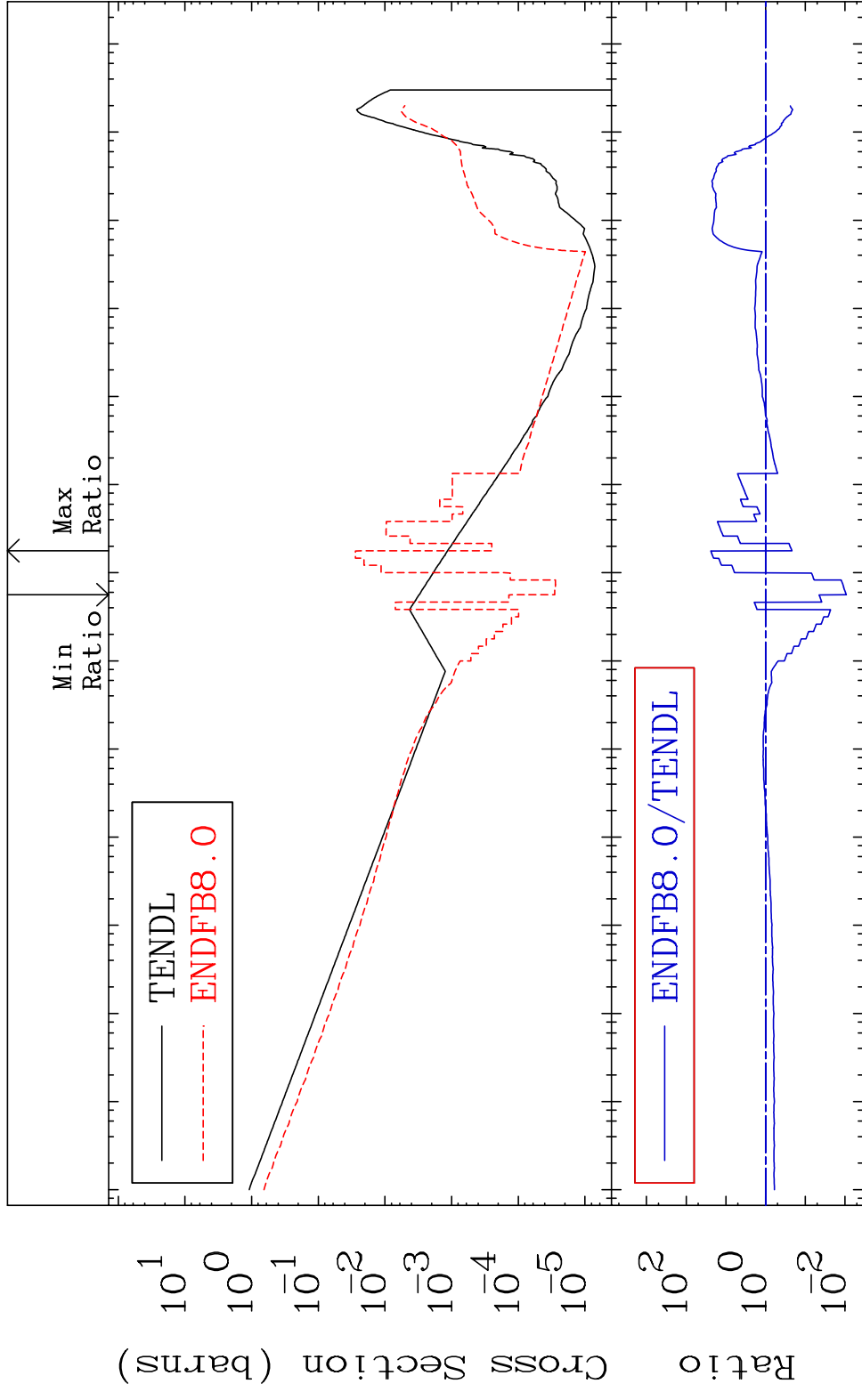
MAT 6028

(n, p) 60-Nd-143
Cross Section -100.0 To 219.2 %



MAT 6028

(n, α)
Cross Section -99.07 To 2311. %
60-Nd-143

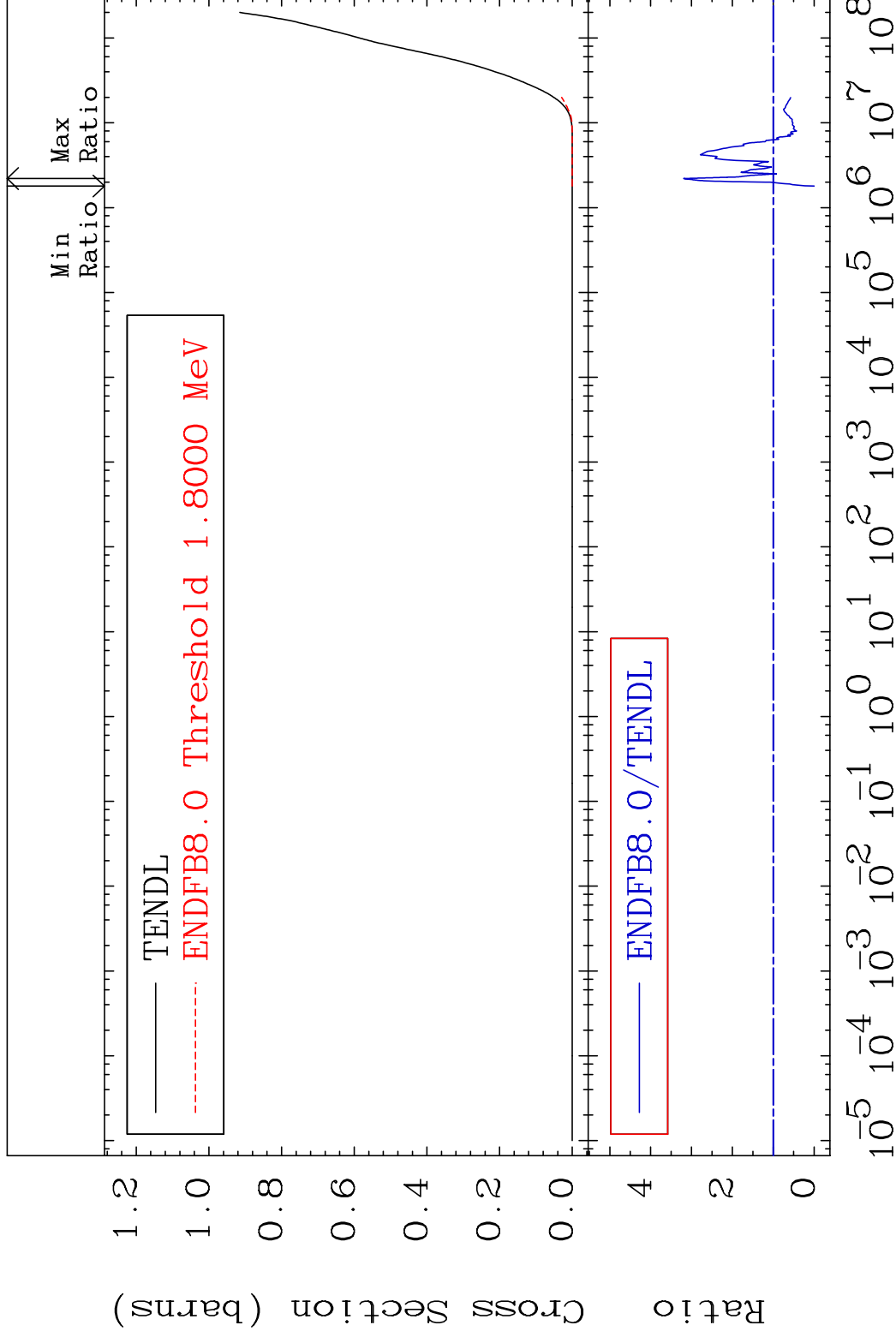


MAT 6028

Hydrogen Production

60-Nd-143

Cross Section -100.0 To 219.2 %



30

Incident Energy (eV)

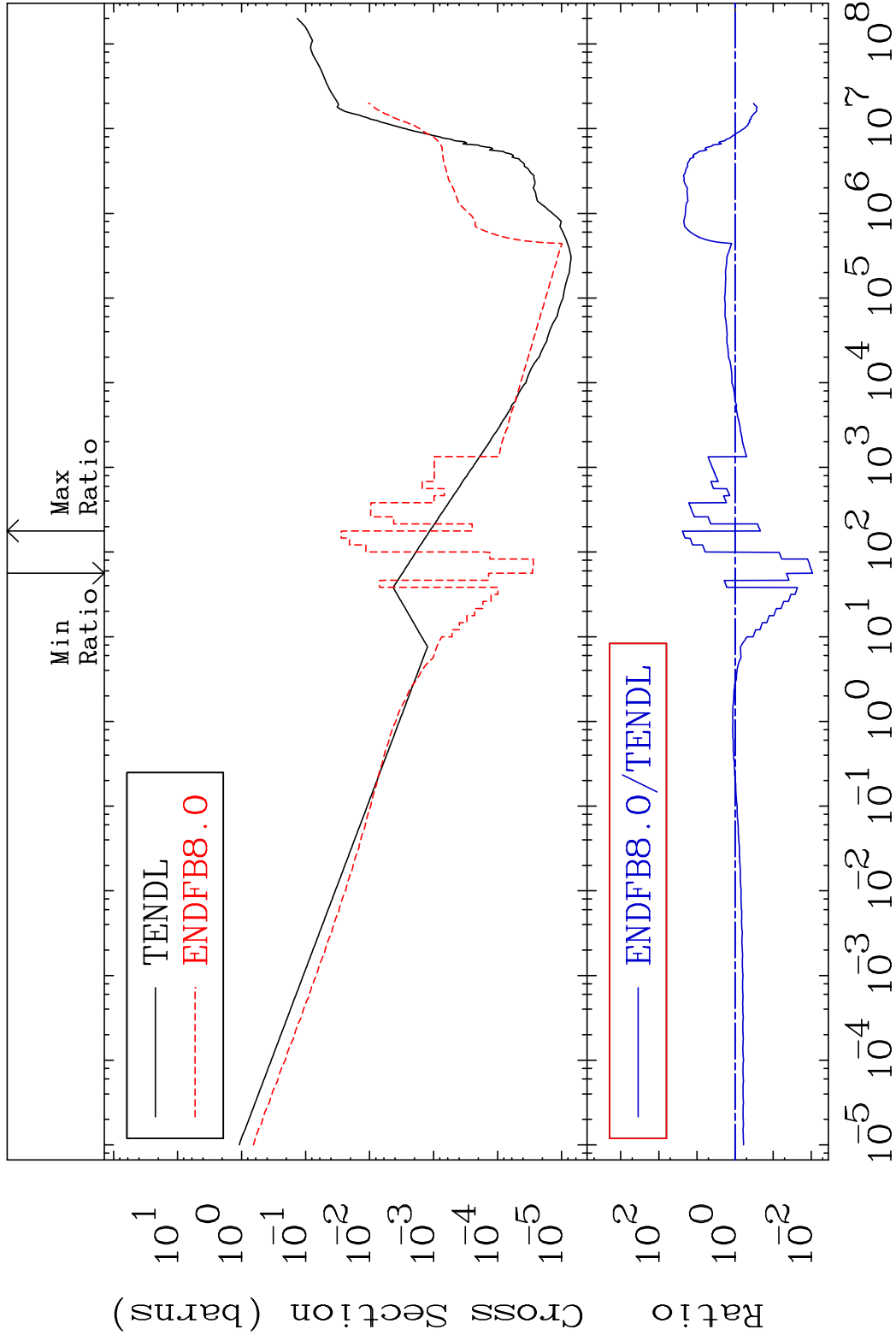
60-Nd-143

MAT 6028

He-4 Production

60-Nd-143

Cross Section -99.07 To 2311. %

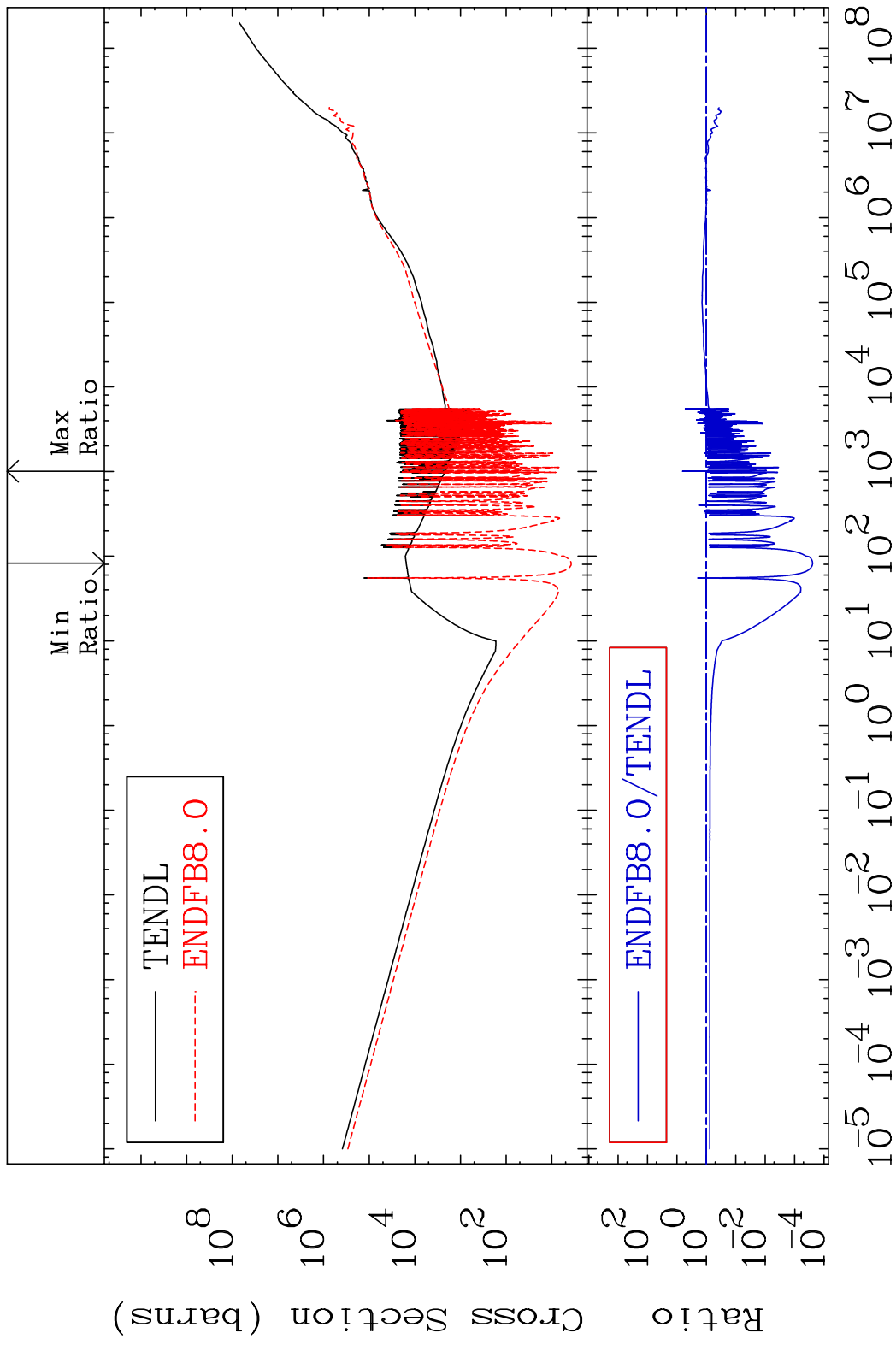


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Incident Energy (eV)

60-Nd-143

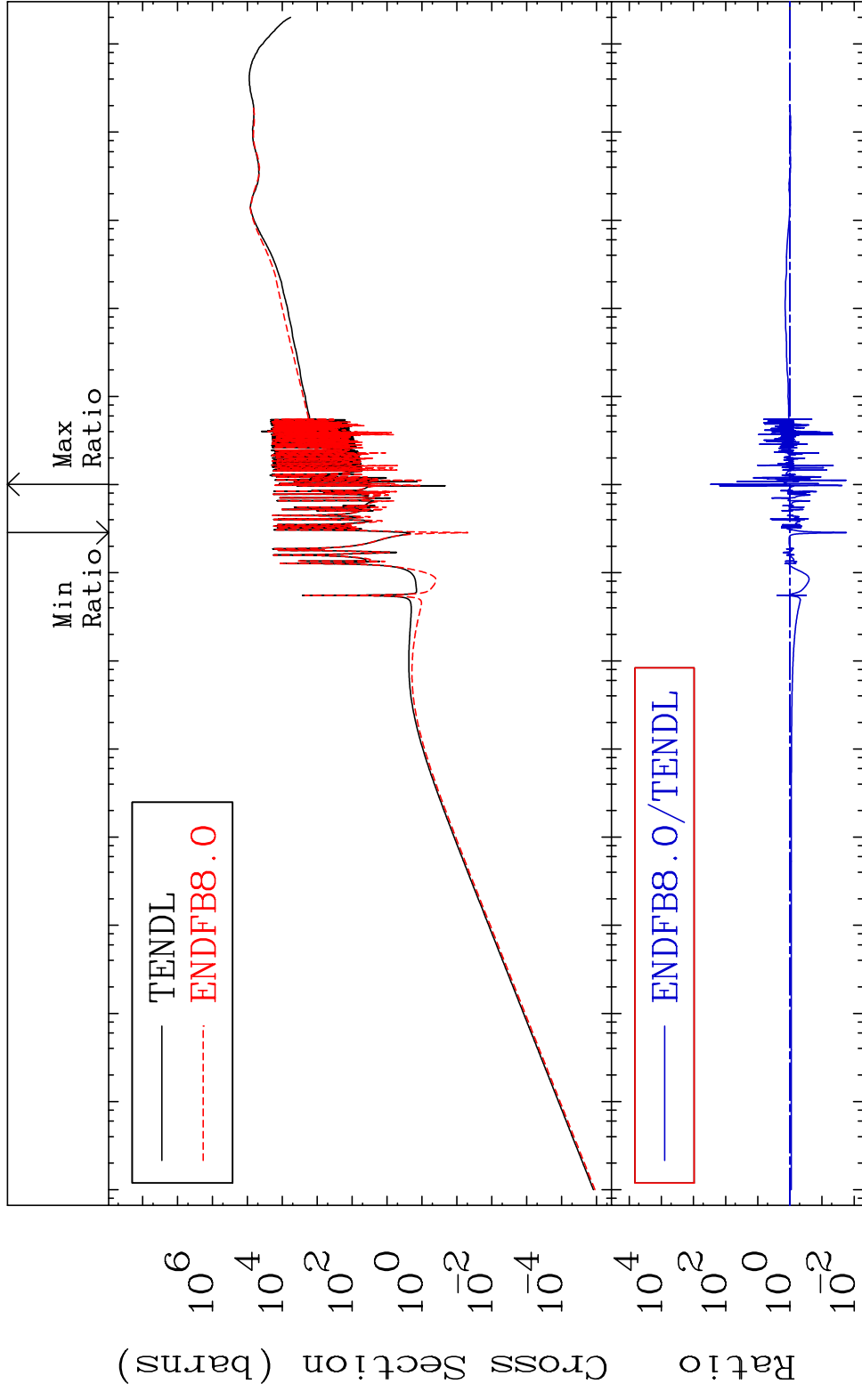
MAT 6028 Kerma total (eV-barns) 60-Nd-143
 Cross Section -99.98 To 555.5 %



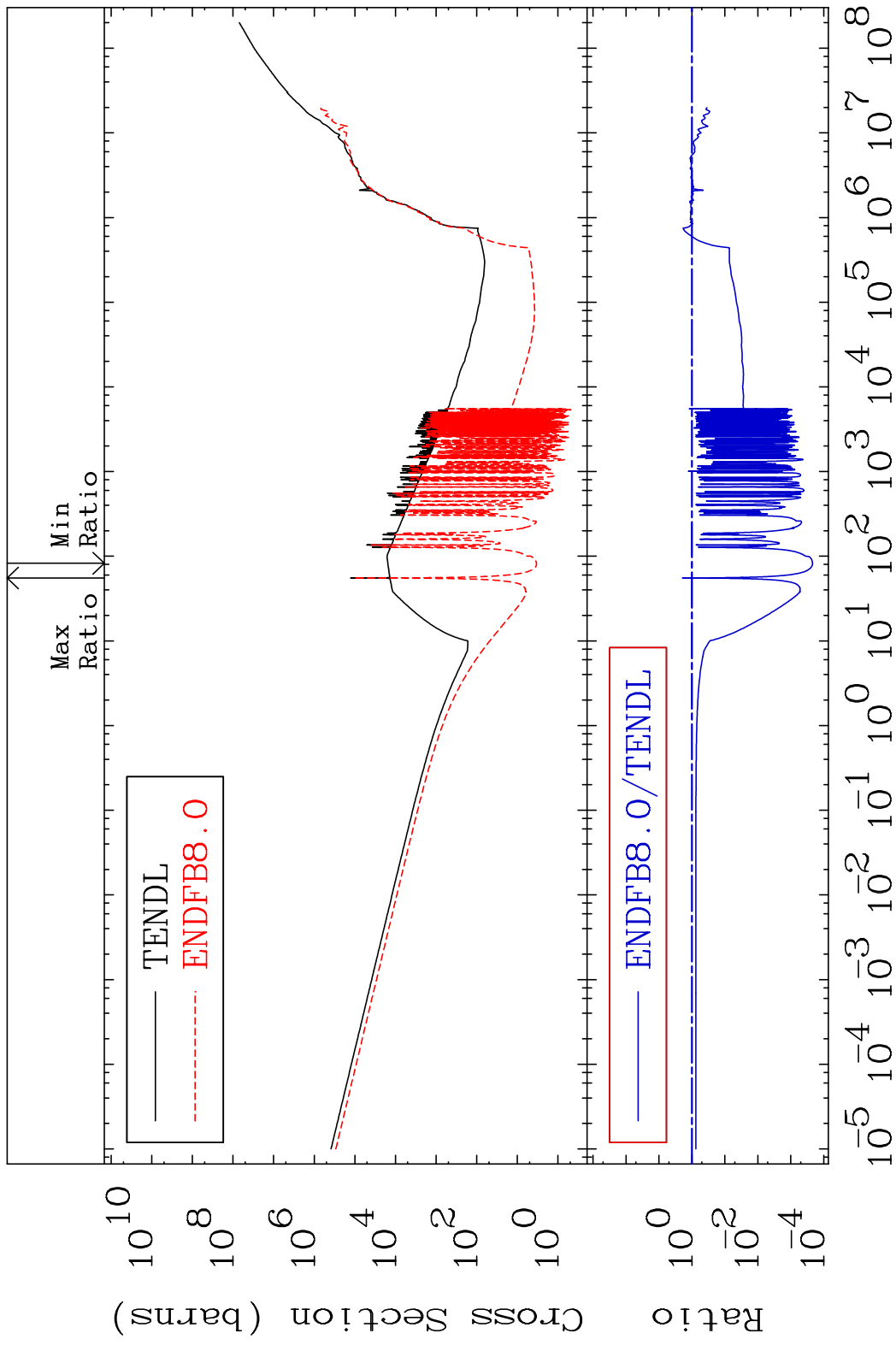
MAT 6028

Kerma elastic
Cross Section

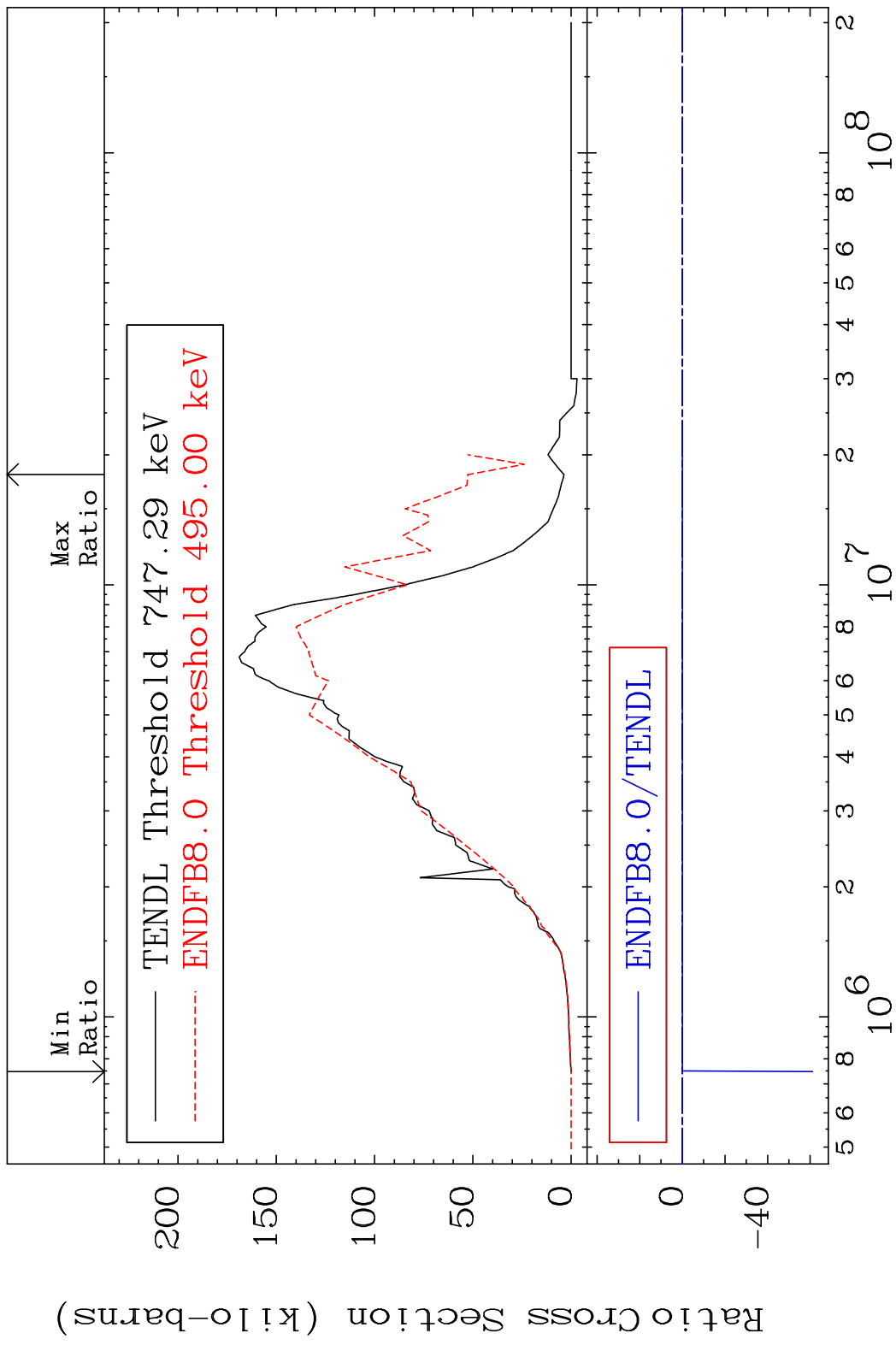
60-Nd-143
-98.25 To 9999. %



MAT 6028 Kerma non-elastic (all but mt2) 60-Nd-143
 Cross Section -99.98 To 95.18 %

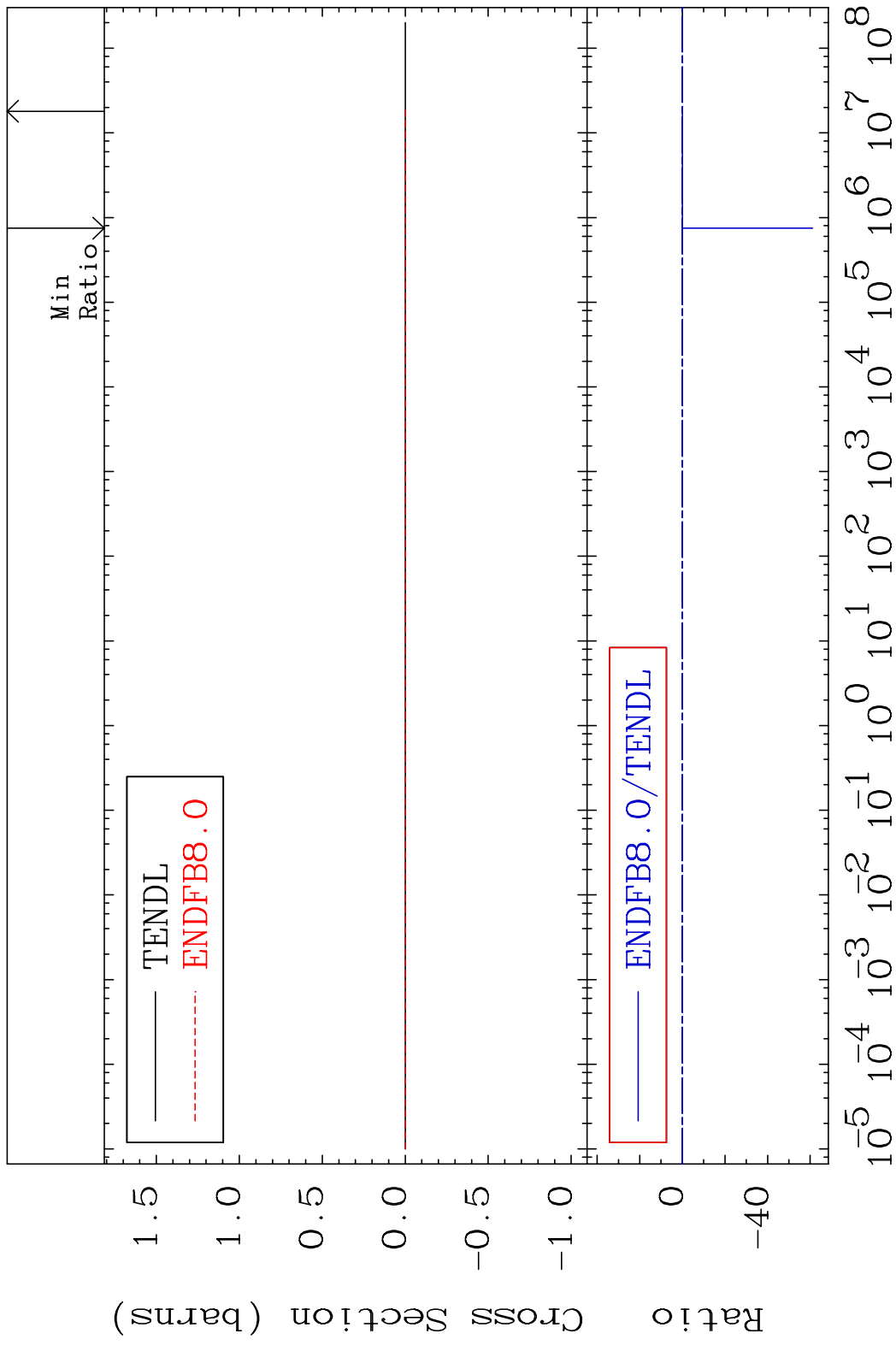


MAT 6028 Kerma inelastic (mt51-91) 60-Nd-143
 Cross Section -9999. To 1333. %



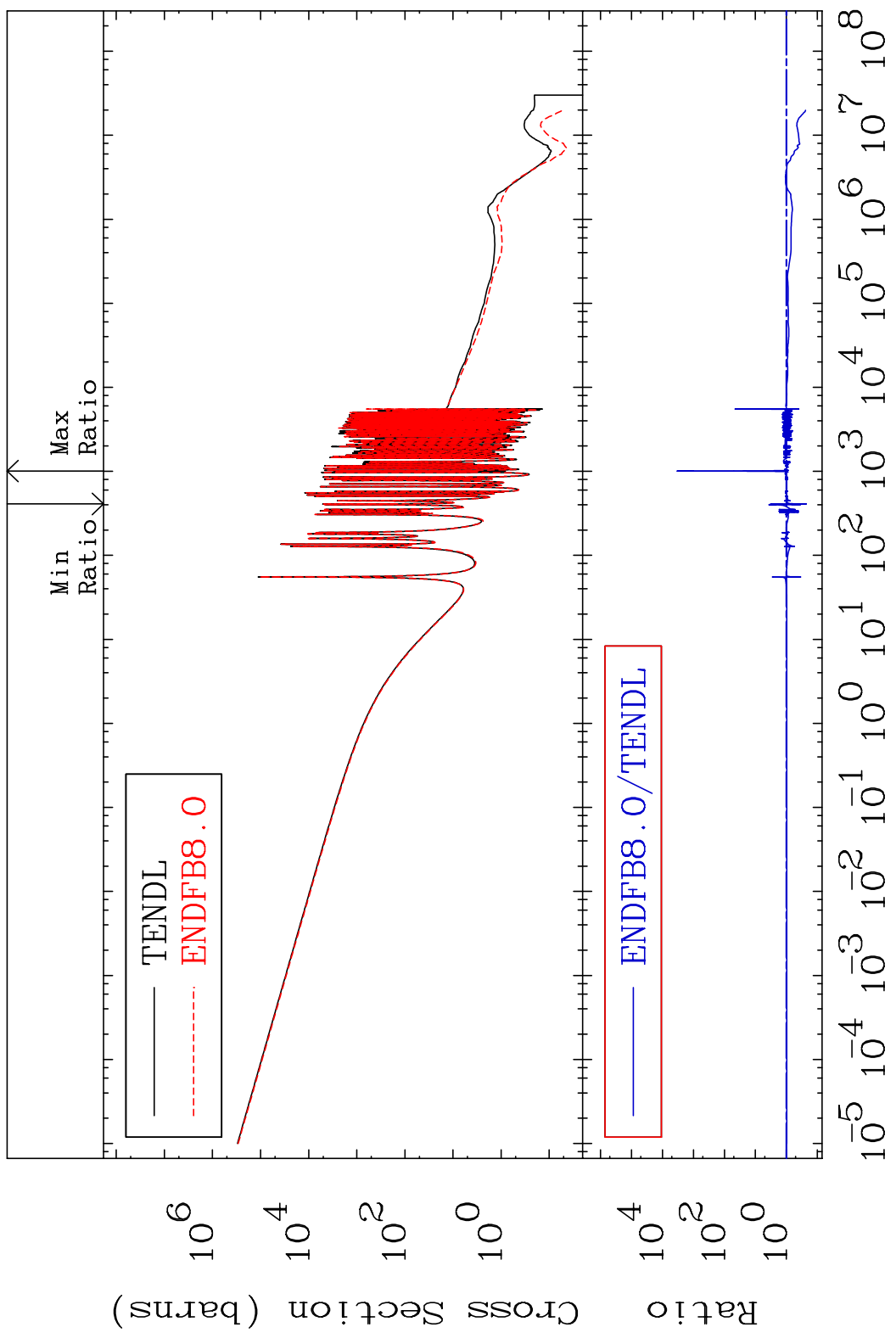
35 Incident Energy (eV) 60-Nd-143

MAT 6028 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-143
 Cross Section -9999. To 1333. %

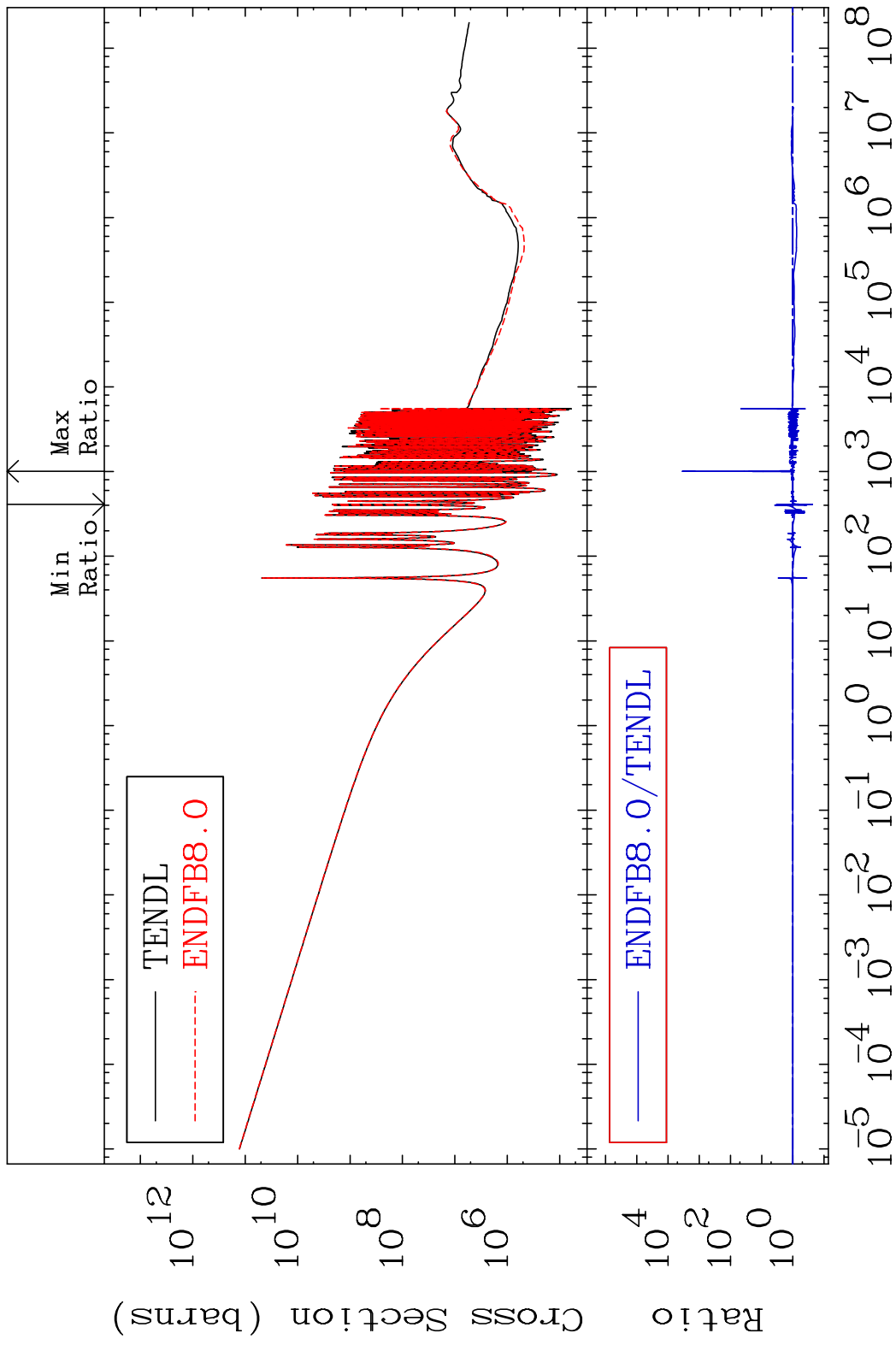


MAT 6028

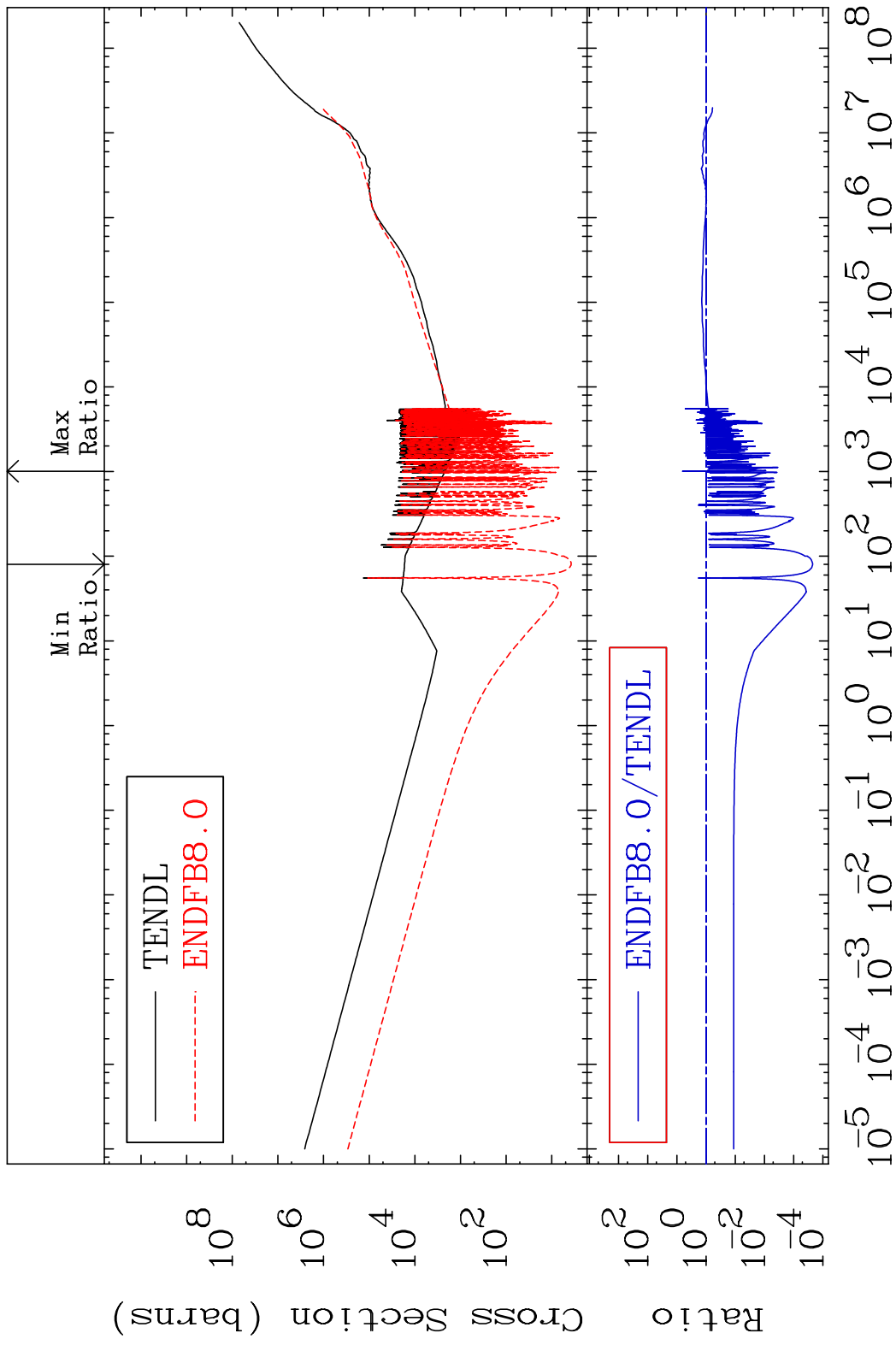
Kerma capture (mt102) 60-Nd-143
Cross Section -77.47 To 9999. %



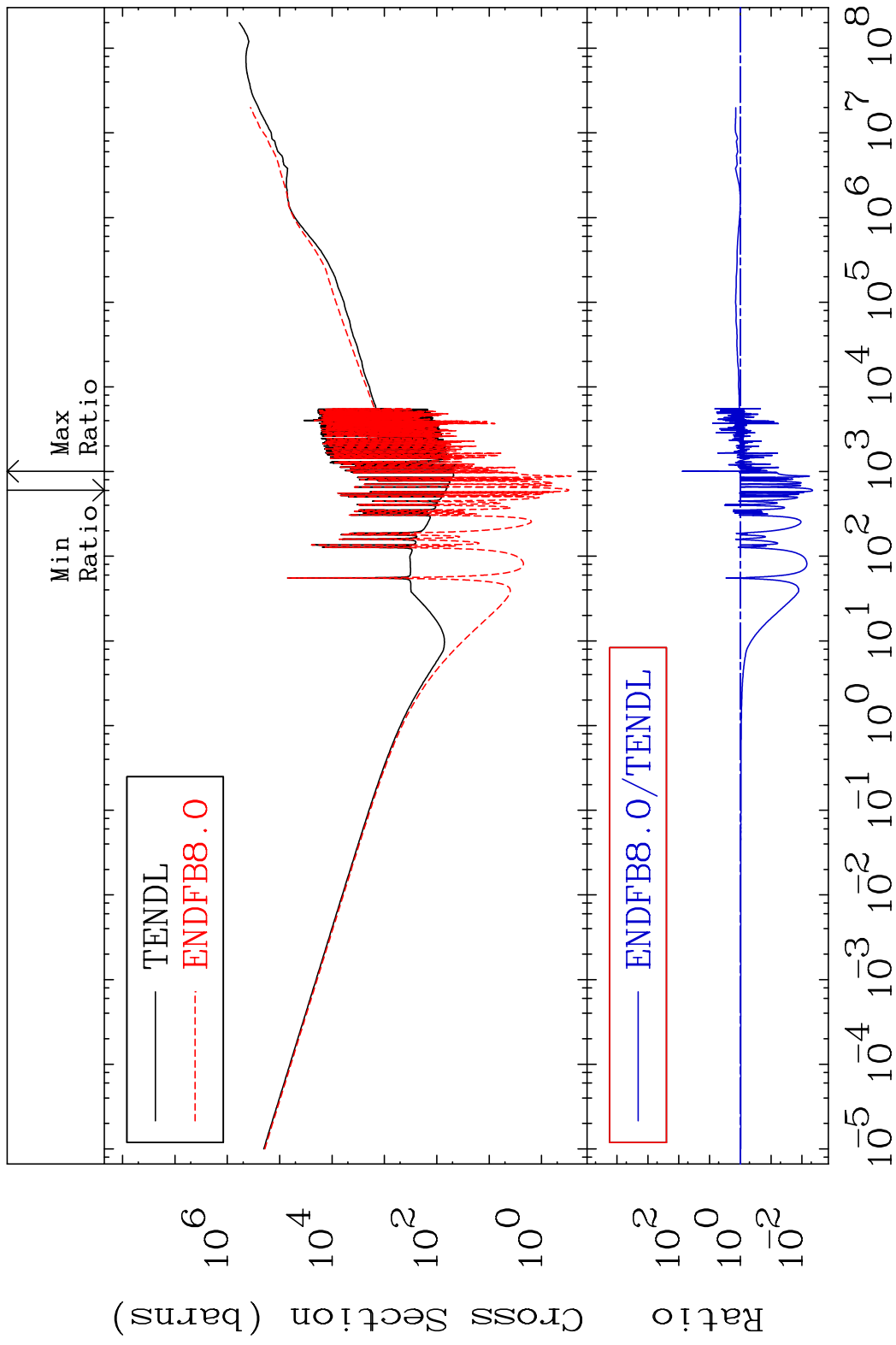
MAT 6028 Total photon (eV-barns) 60-Nd-143
 Cross Section -76.64 To 9999. %



MAT 6028 Total kinematic kerma (high limit) 60-Nd-143
 Cross Section -99.98 To 549.9 %

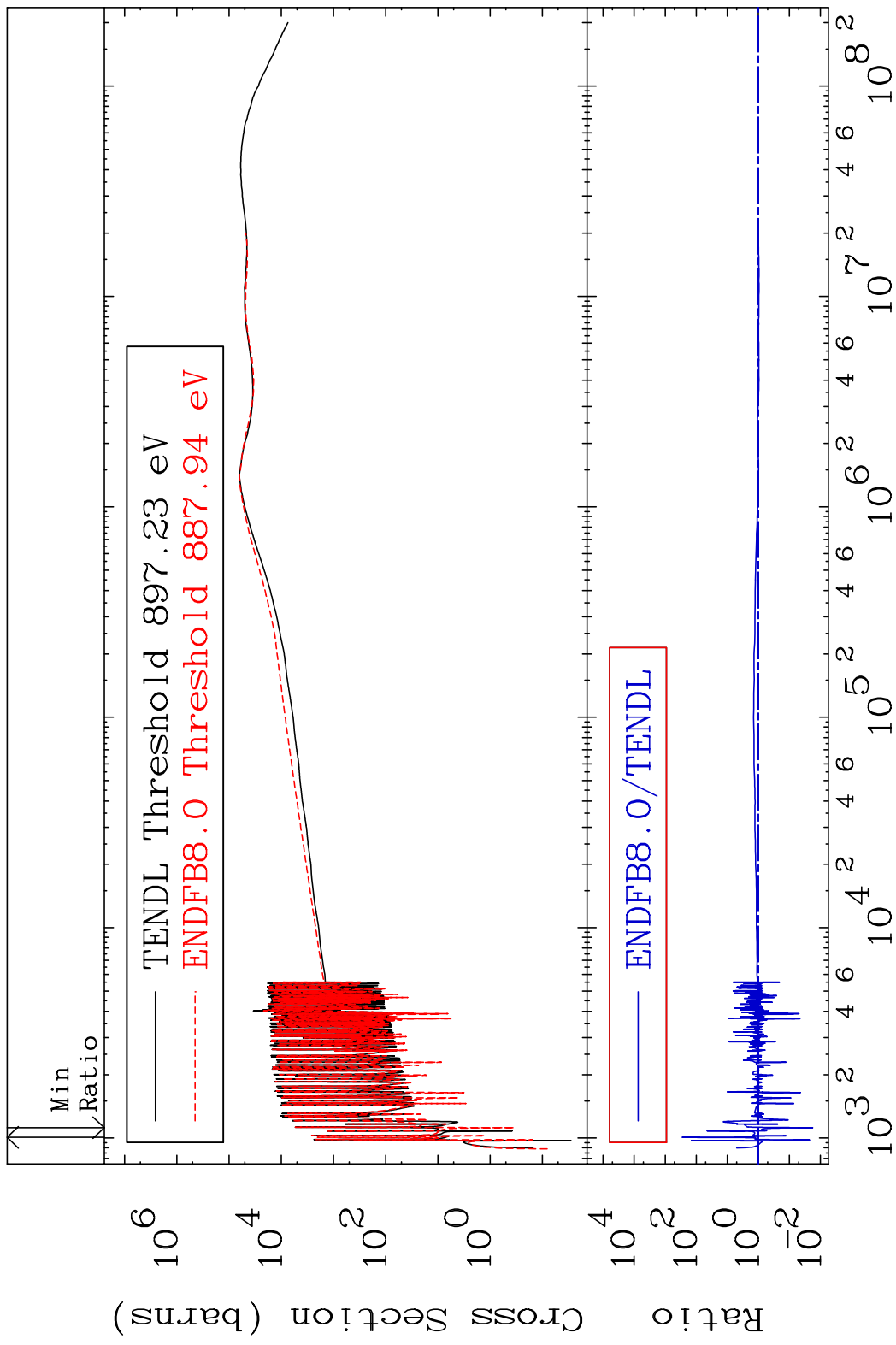


MAT 6028 Dpa total (eV-barns) 60-Nd-143
 Cross Section -99.55 To 7485. %



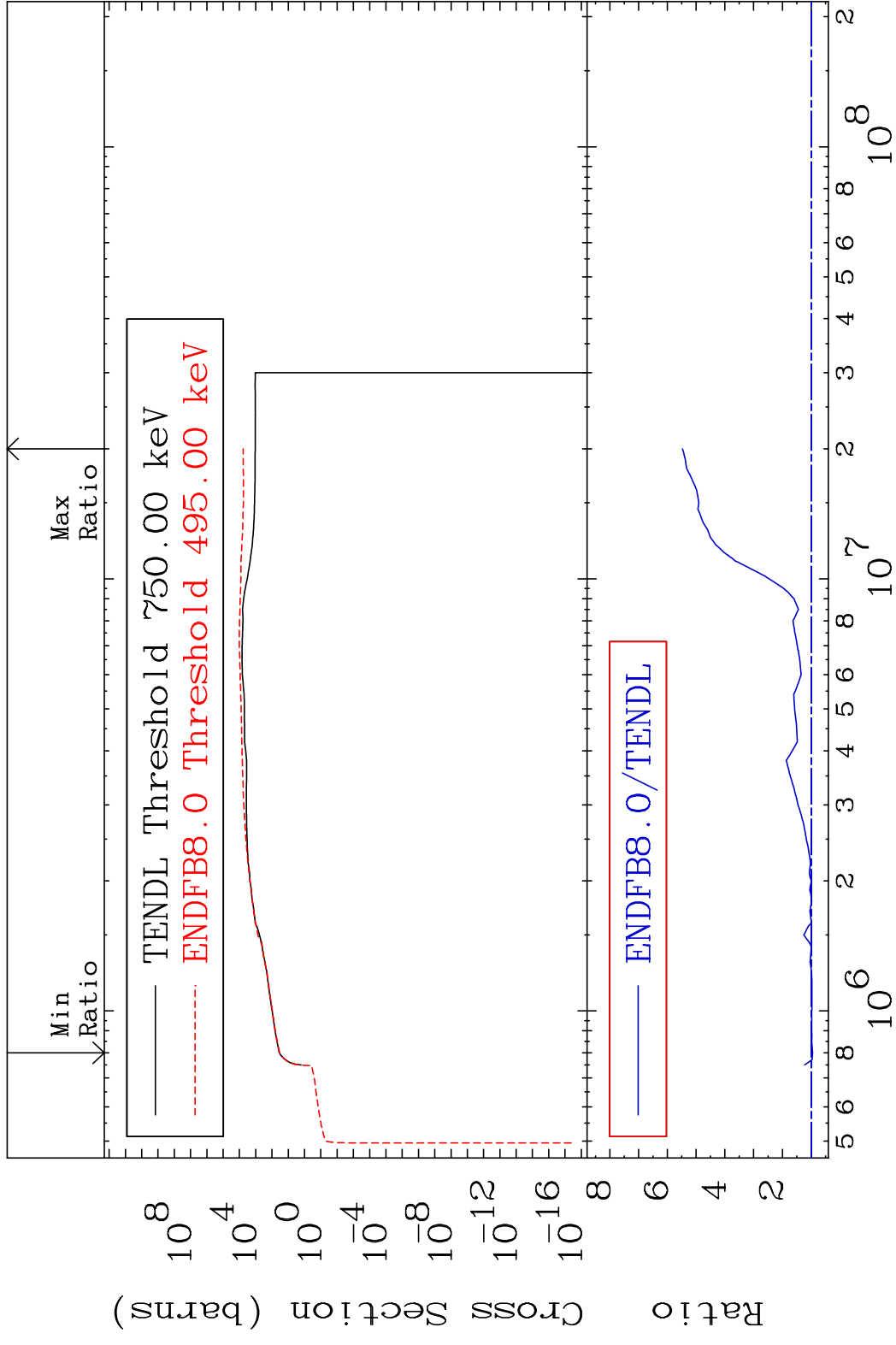
40 Incident Energy (eV) 60-Nd-143

MAT 6028 Dpa elastic (mt2) 60-Nd-143
 Cross Section -98.22 To 9999. %



41 Incident Energy (eV) 60-Nd-143

MAT 6028 Dpa inelastic (mt51-91) 60-Nd-143
 Cross Section -4.774 To 447.9 %



MAT 6028 Dpa disappearance (mt102 -120) 60-Nd-143
 Cross Section -99.56 To 4041. %

