

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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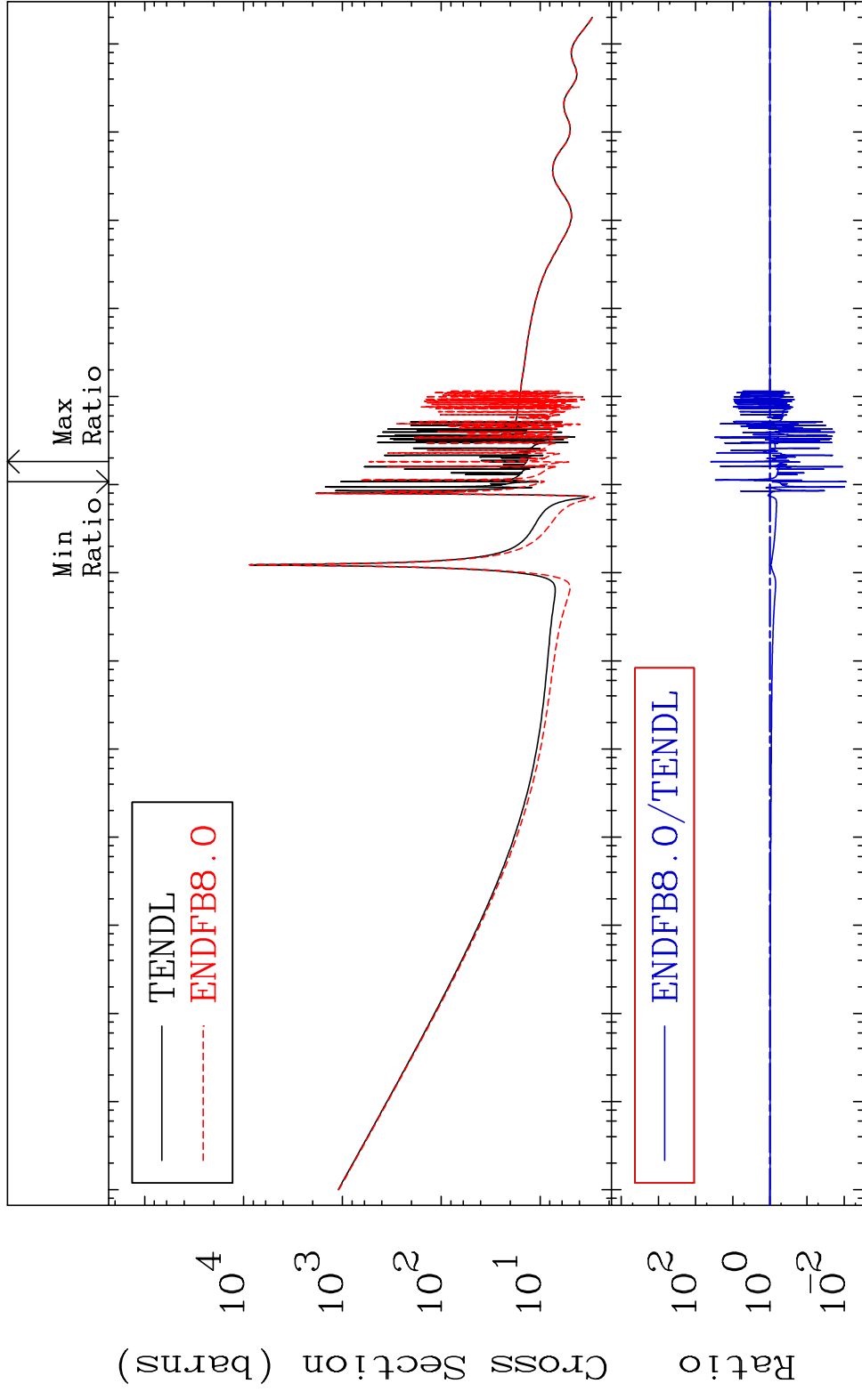
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 8128

Total Cross Section -99.13 To 3816. %
81-Tl-204



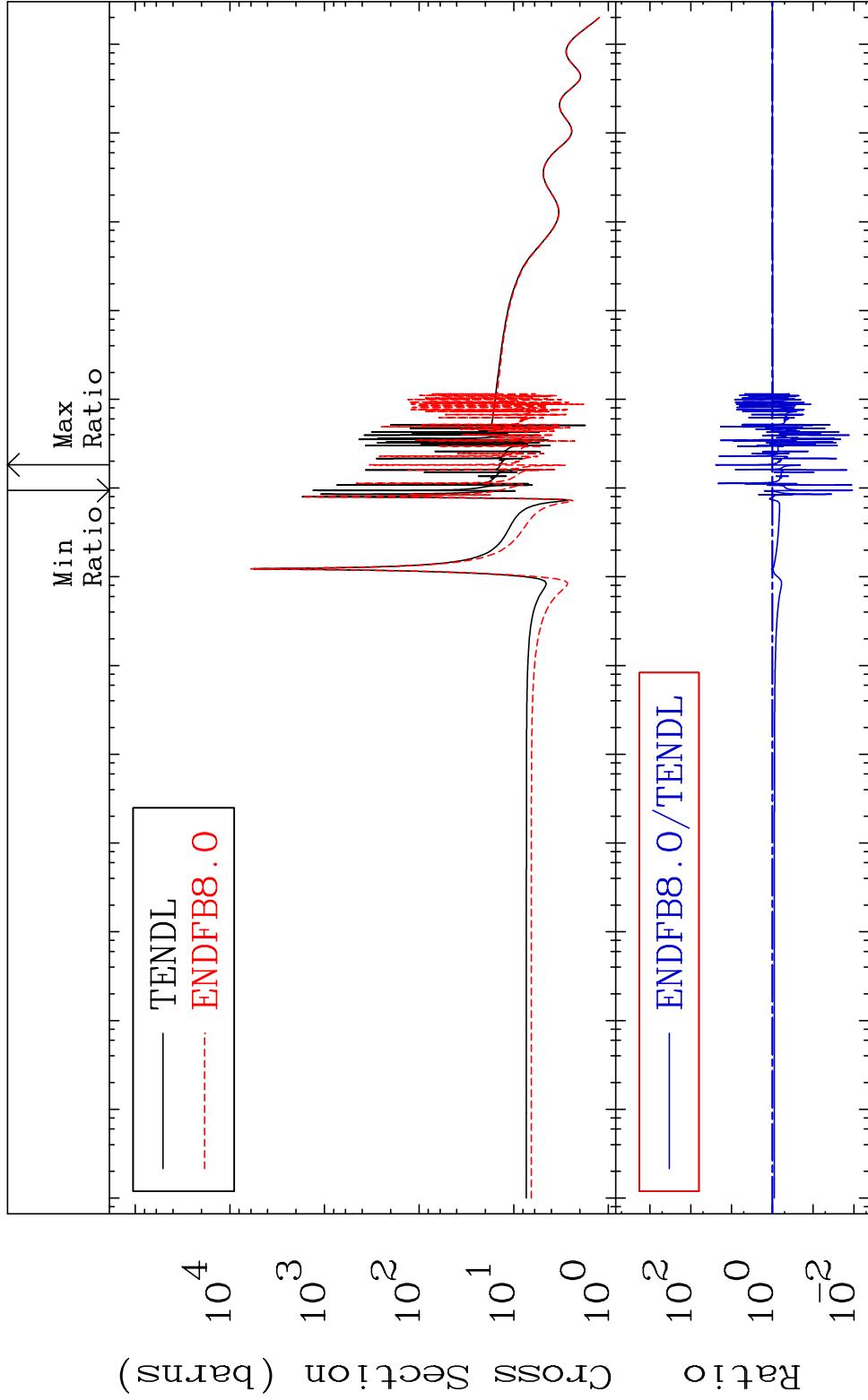
1 Incident Energy (eV) 81-Tl-204

MAT 8128

Elastic

81-T1-204

Cross Section -98.90 To 2346. %



2

Incident Energy (eV)

81-T1-204

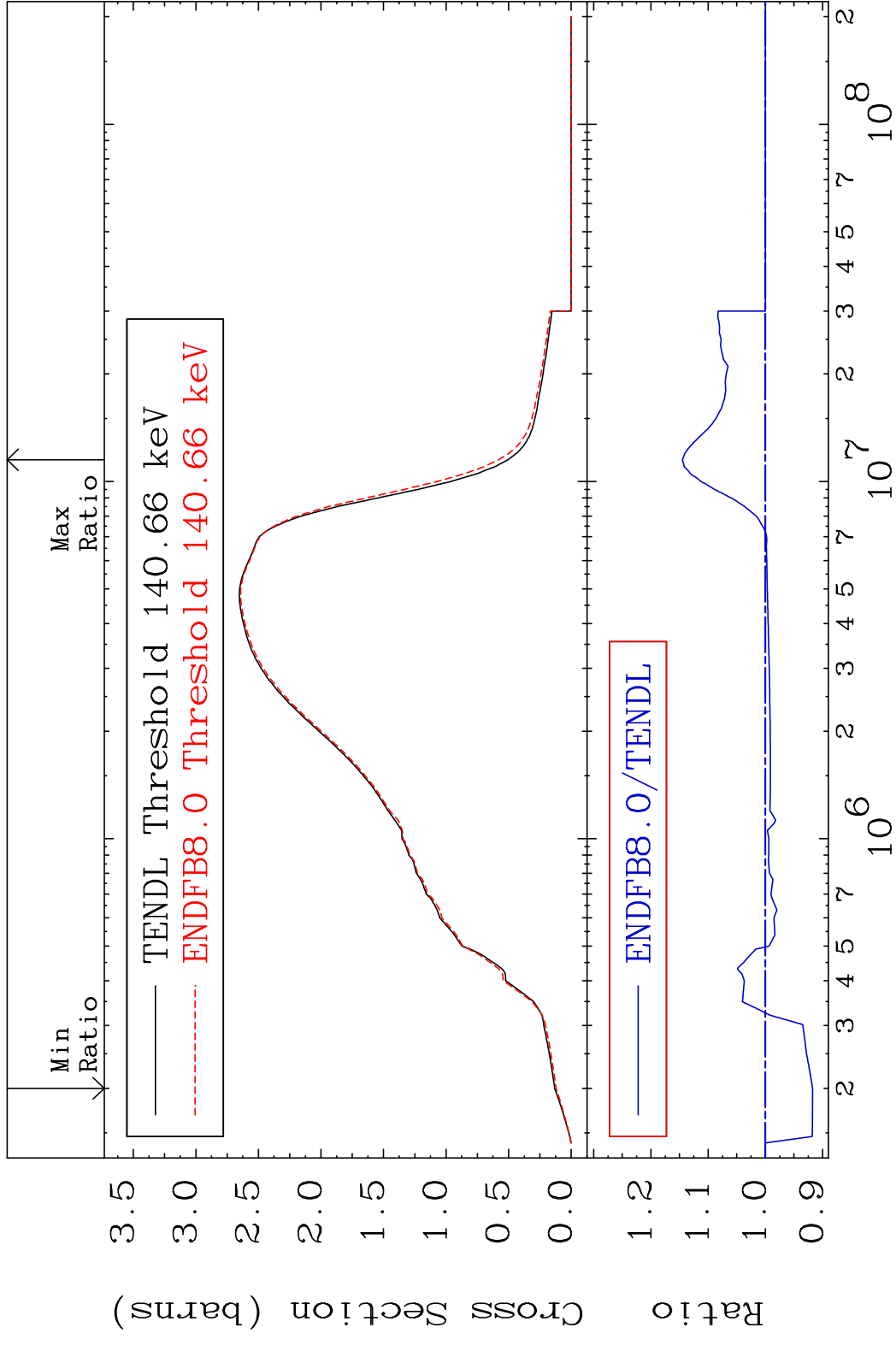
MAT 8128

Inelastic

81-Tl-204

Cross Section

-8.248 To 14.50 %

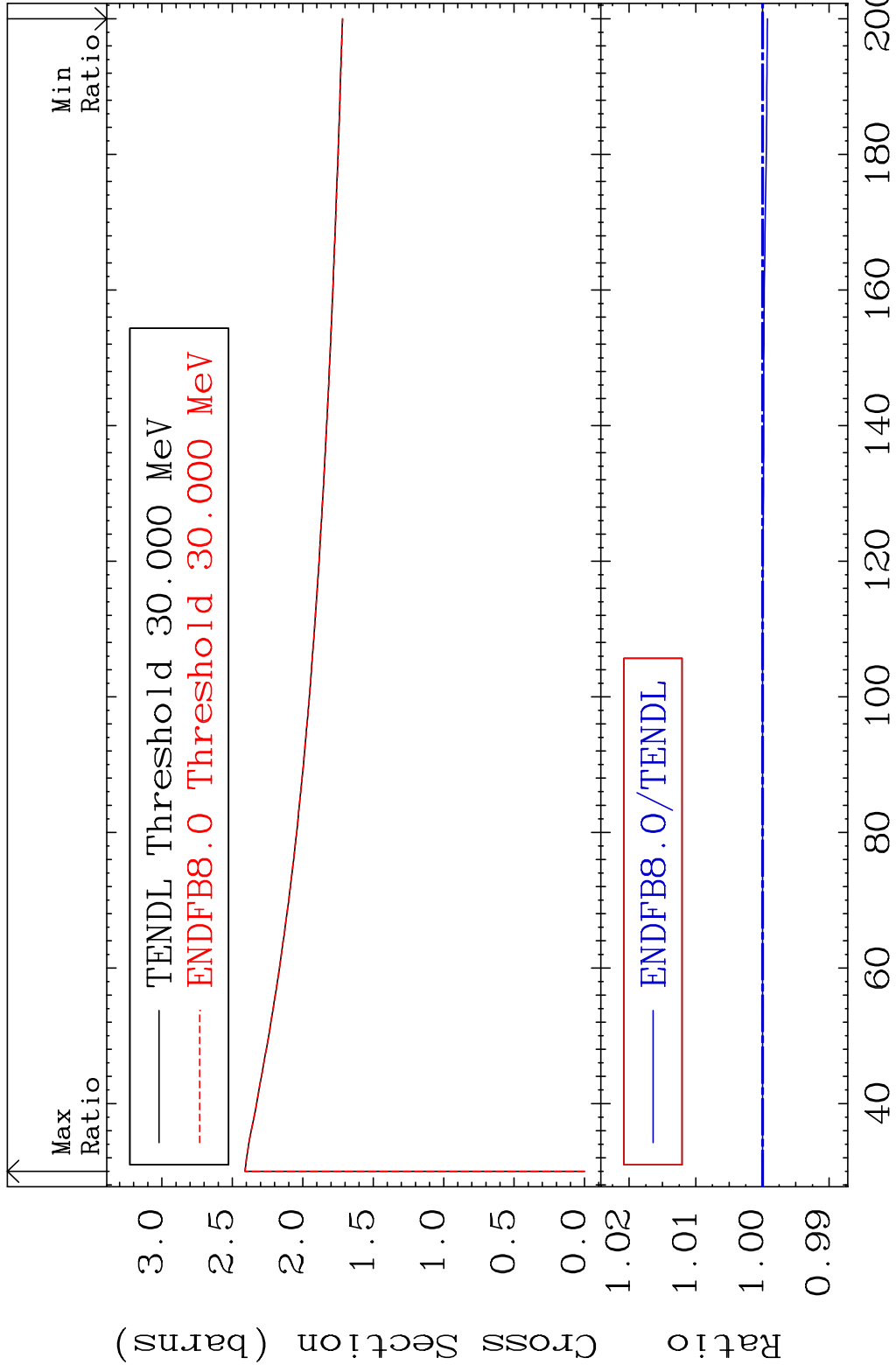


MAT 8128

(n, remainder)

81-Tl-204

Cross Section -0.075 To 0.000 %

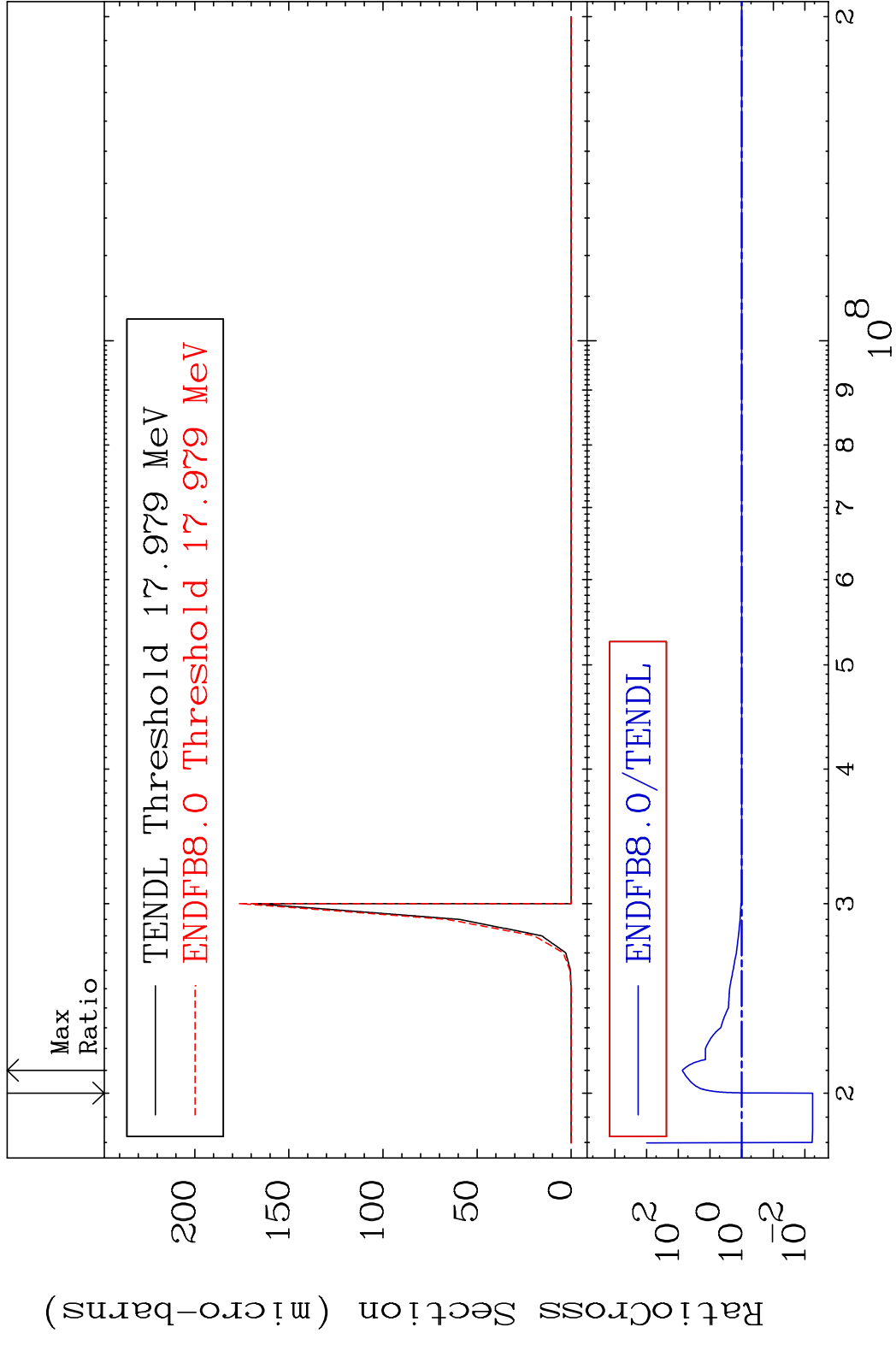


MAT 8128

(n,2n) d

81-Tl-204

Cross Section -99.42 To 7323. %

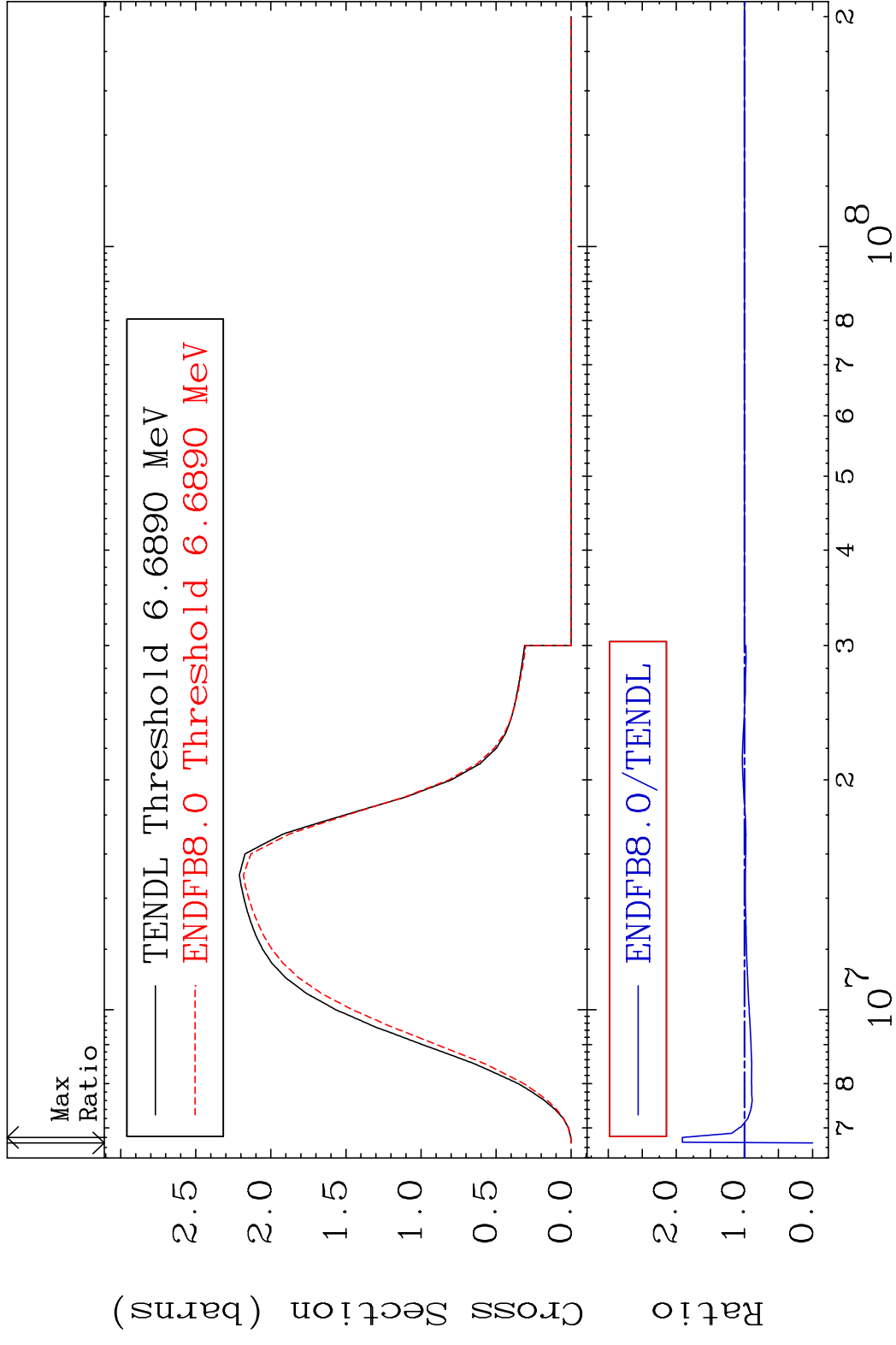


MAT 8128

(n,2n)

81-Tl-204

Cross Section -100.0 To 91.15 %

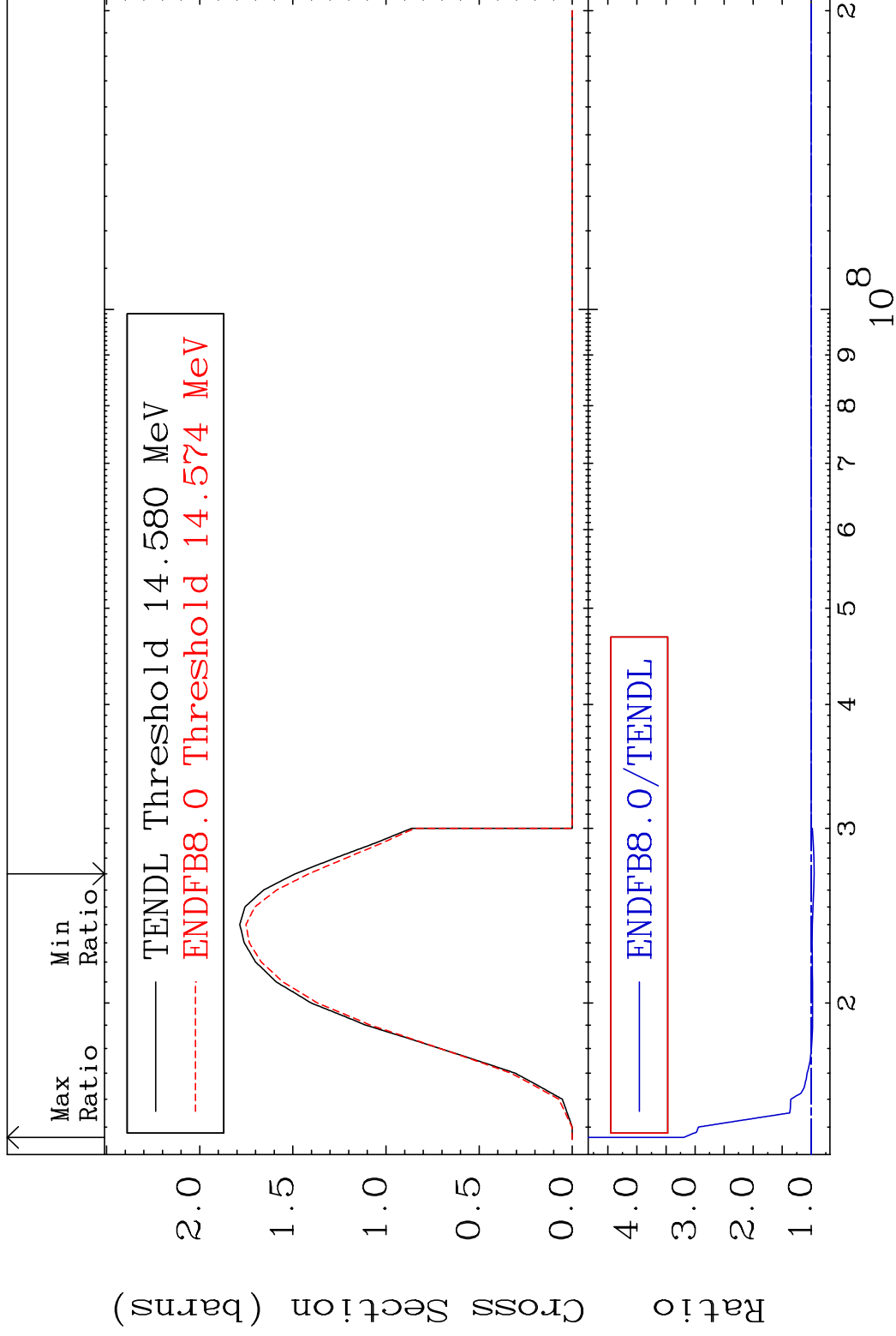


MAT 8128

(n,3n)

81-Tl-204

Cross Section -4.911 To 219.6 %

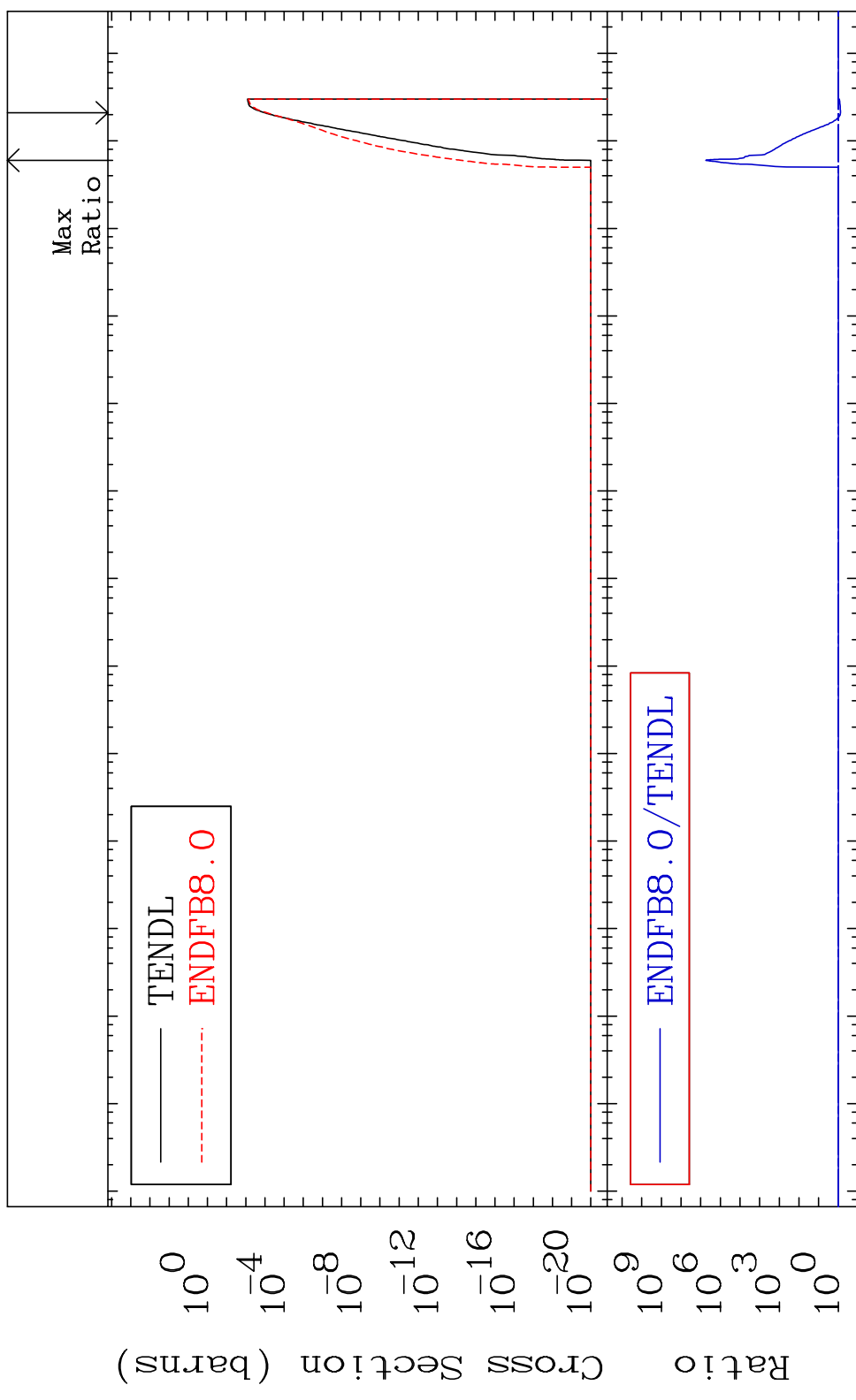


MAT 8128

(n, n') α

81-T1-204

Cross Section -21.90 To 9999. %

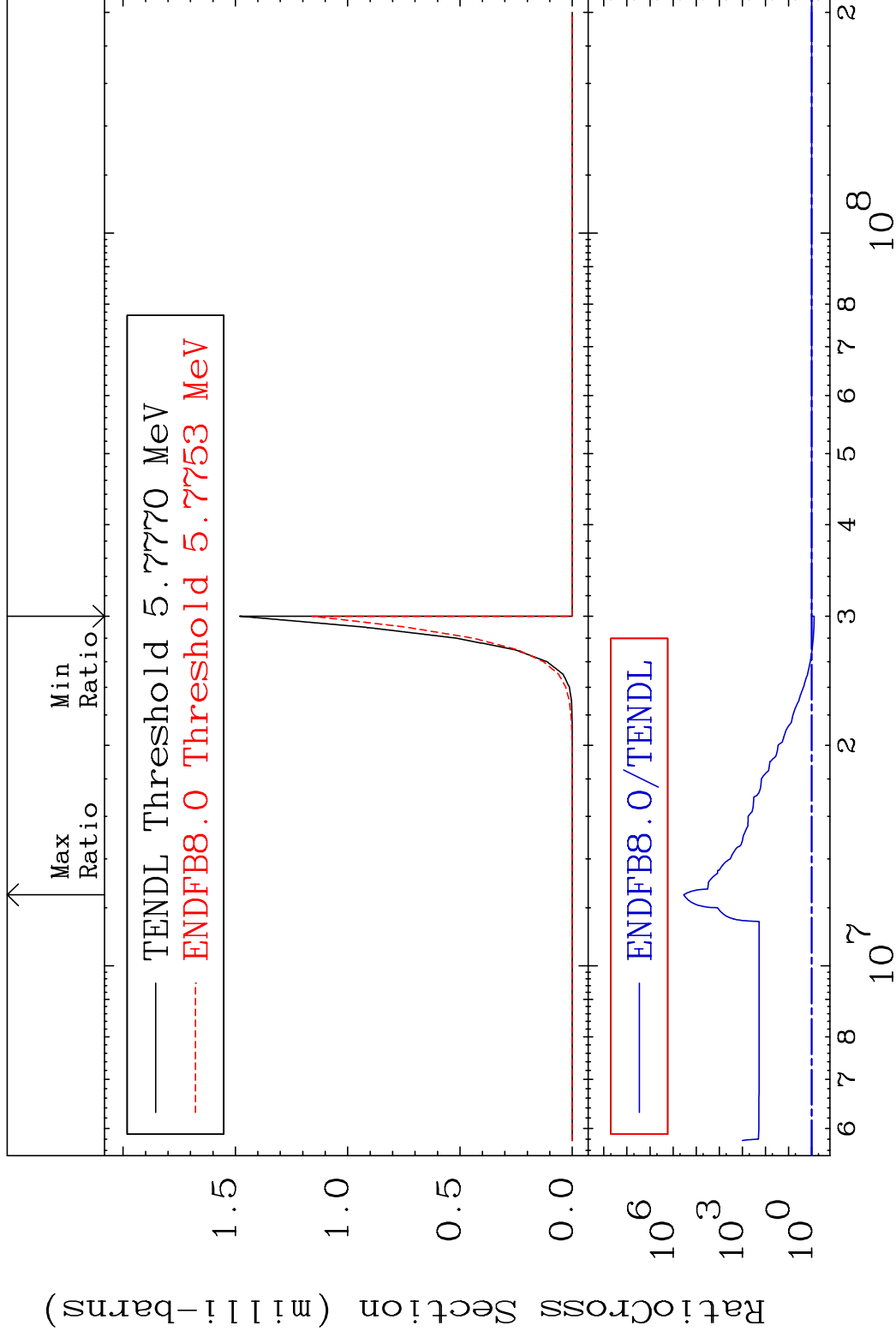


MAT 8128

(n,2n) α

81-Tl-204

Cross Section -21.88 To 9999. %



9

Incident Energy (eV)

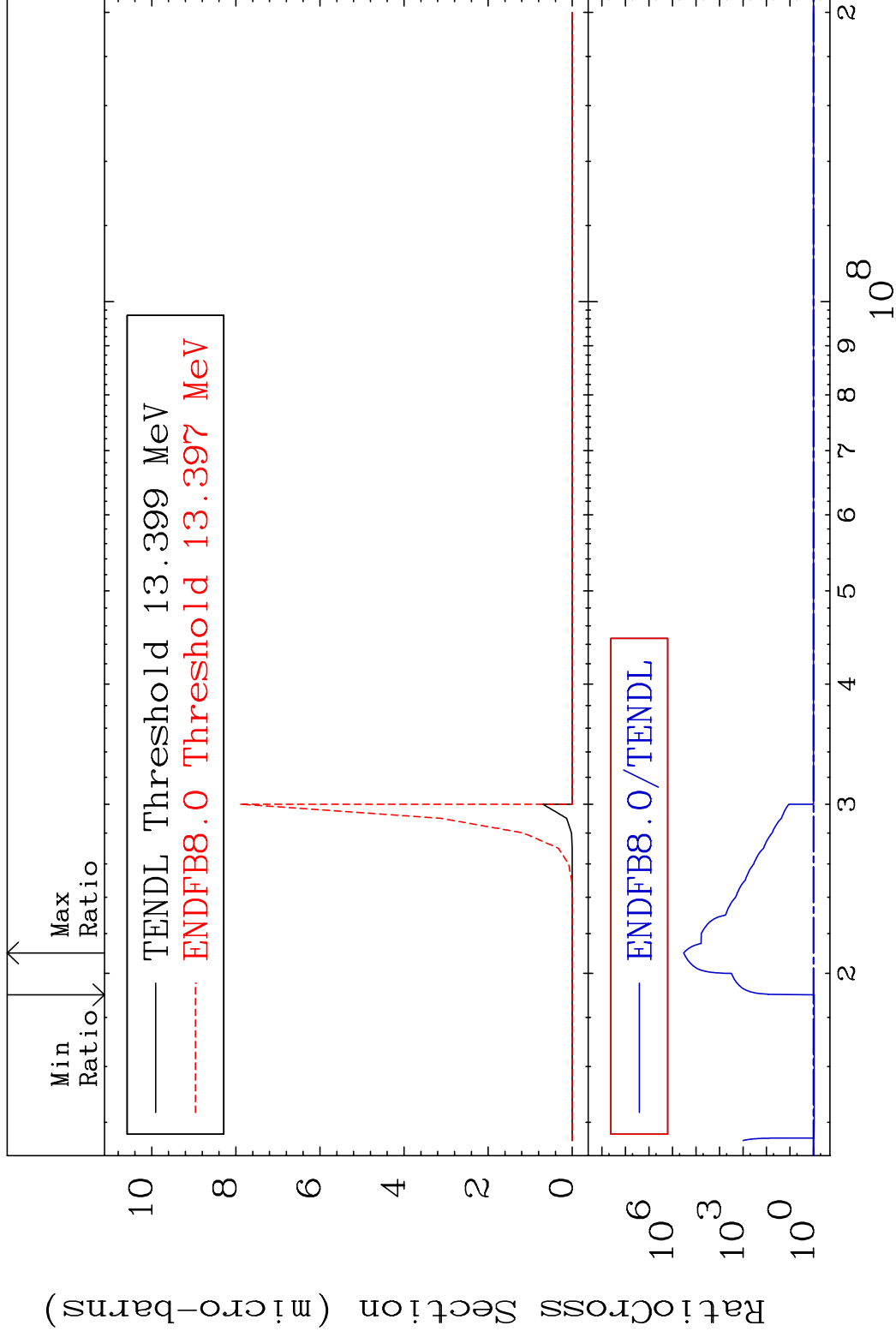
81-Tl-204

MAT 8128

(n,3n) α

81-Tl-204

Cross Section -5.291 To 9999. %



10

Incident Energy (eV)

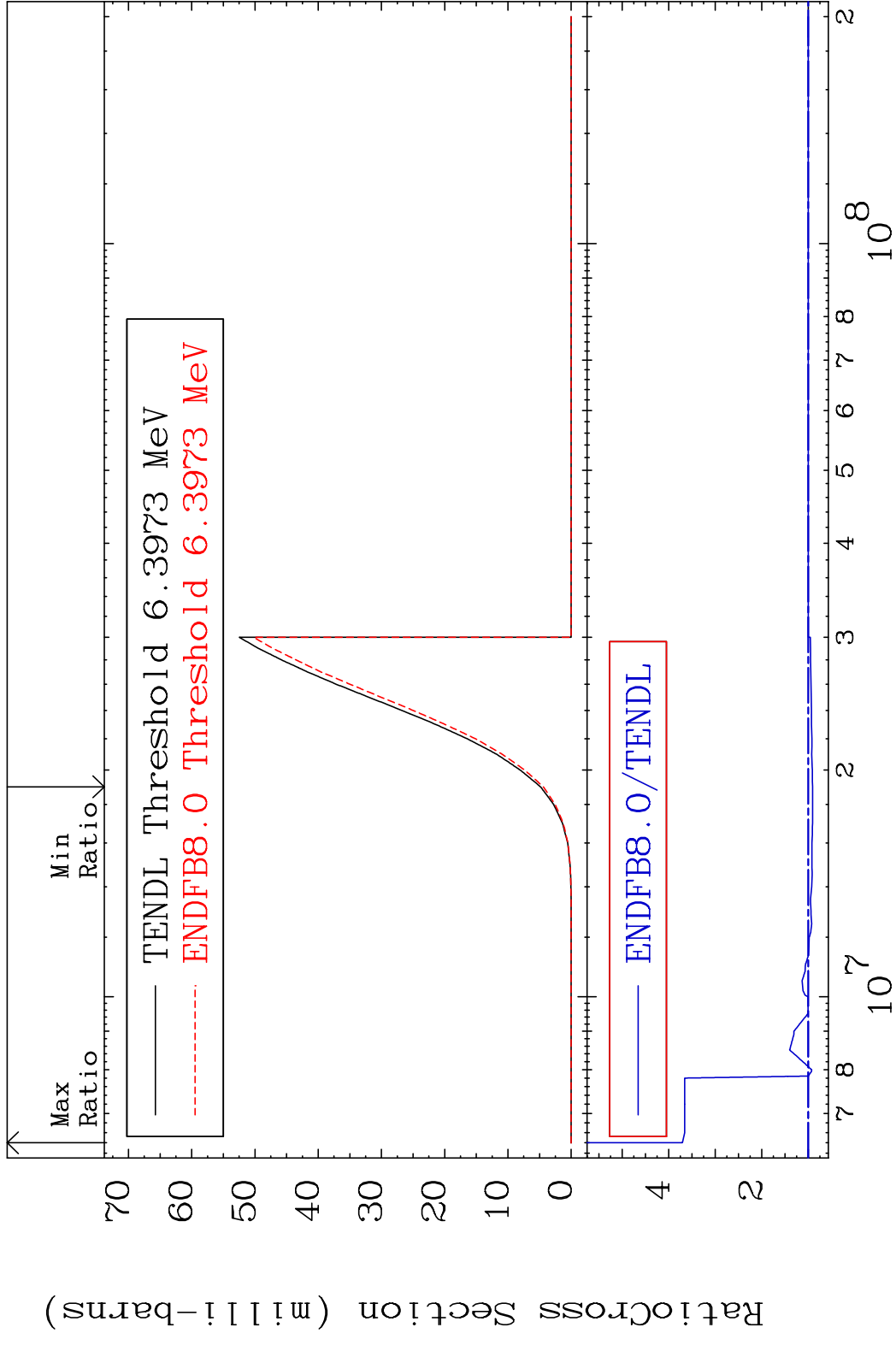
81-Tl-204

MAT 8128

(n, n') p

81-Tl-204

Cross Section -9.088 To 270.6 %

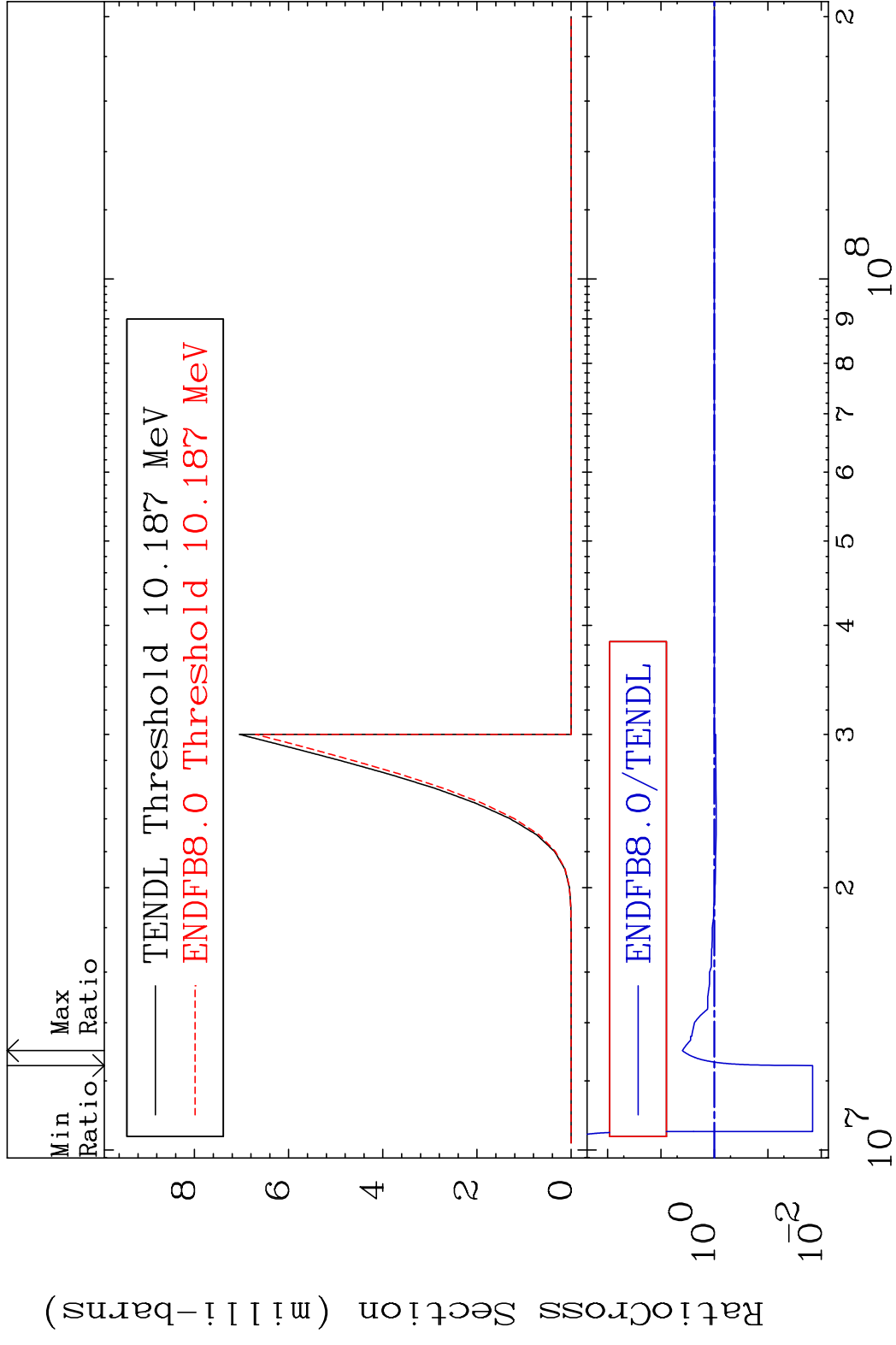


MAT 8128

(n, n') d

81-Tl-204

Cross Section -98.55 To 298.9 %



12

Incident Energy (eV)

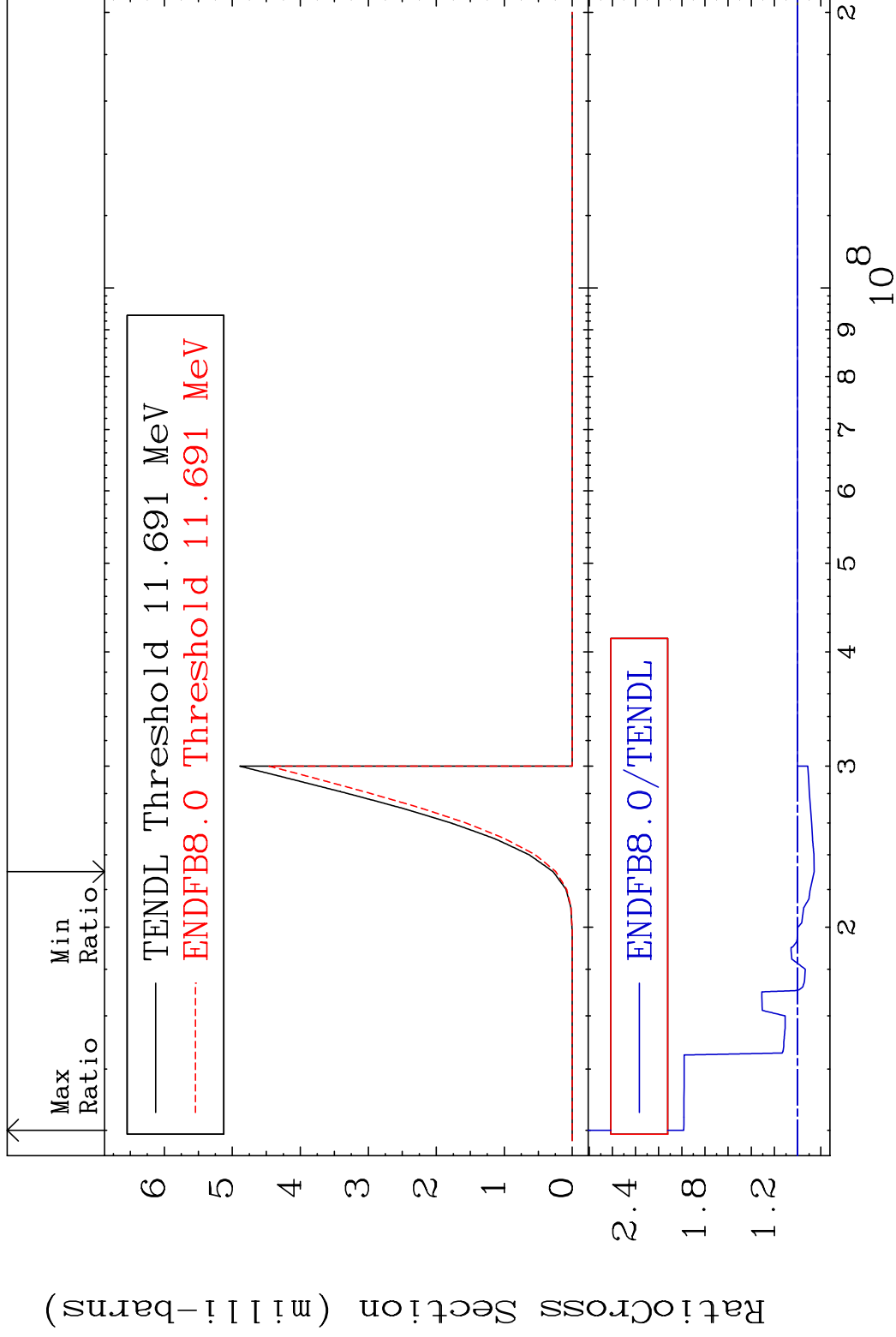
81-Tl-204

MAT 8128

(n, n') t

81-Tl-204

Cross Section -14.32 To 98.40 %

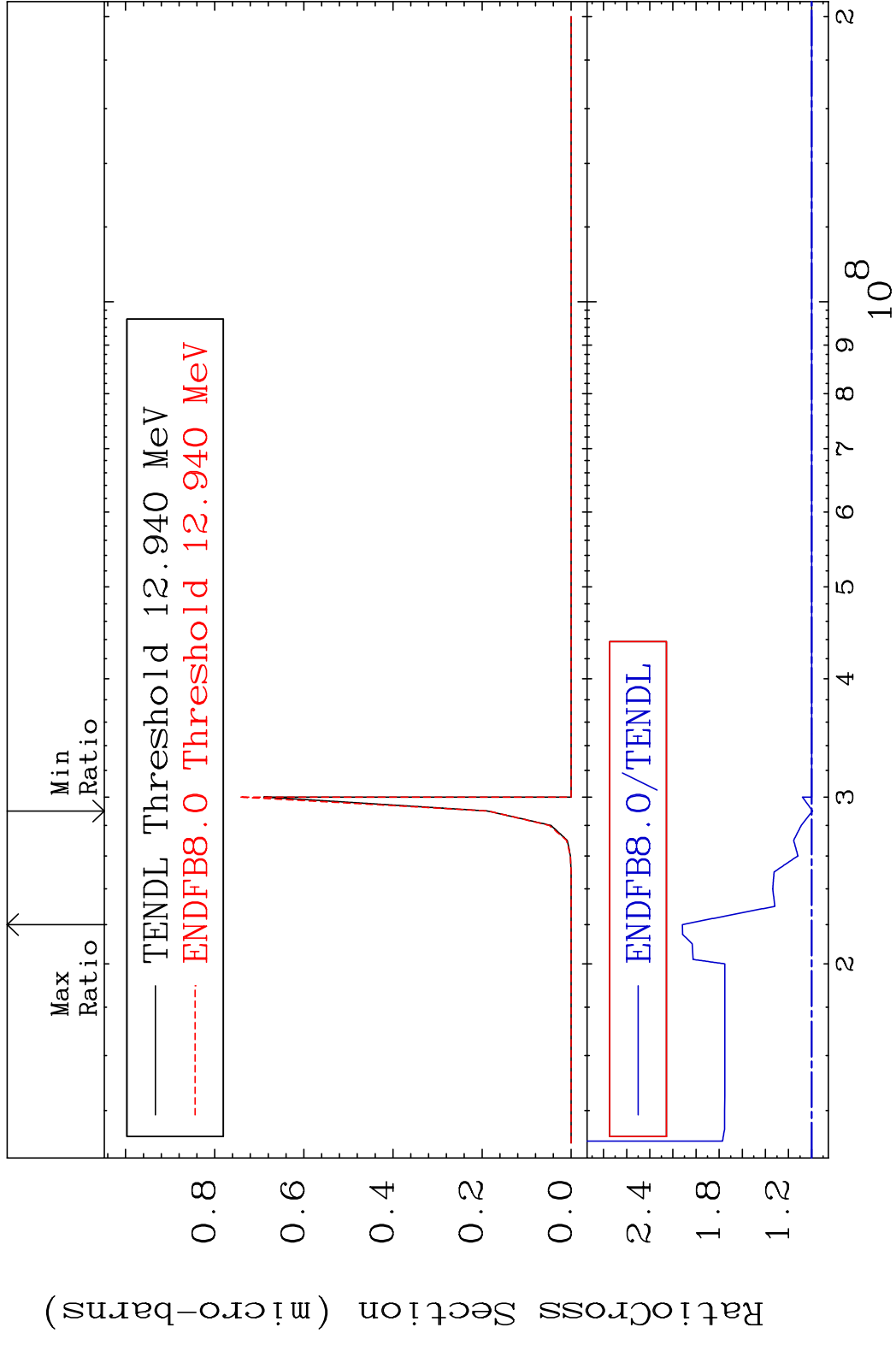


MAT 8128

(n,n') He-3

81-T1-204

Cross Section -0.806 To 111.8 %

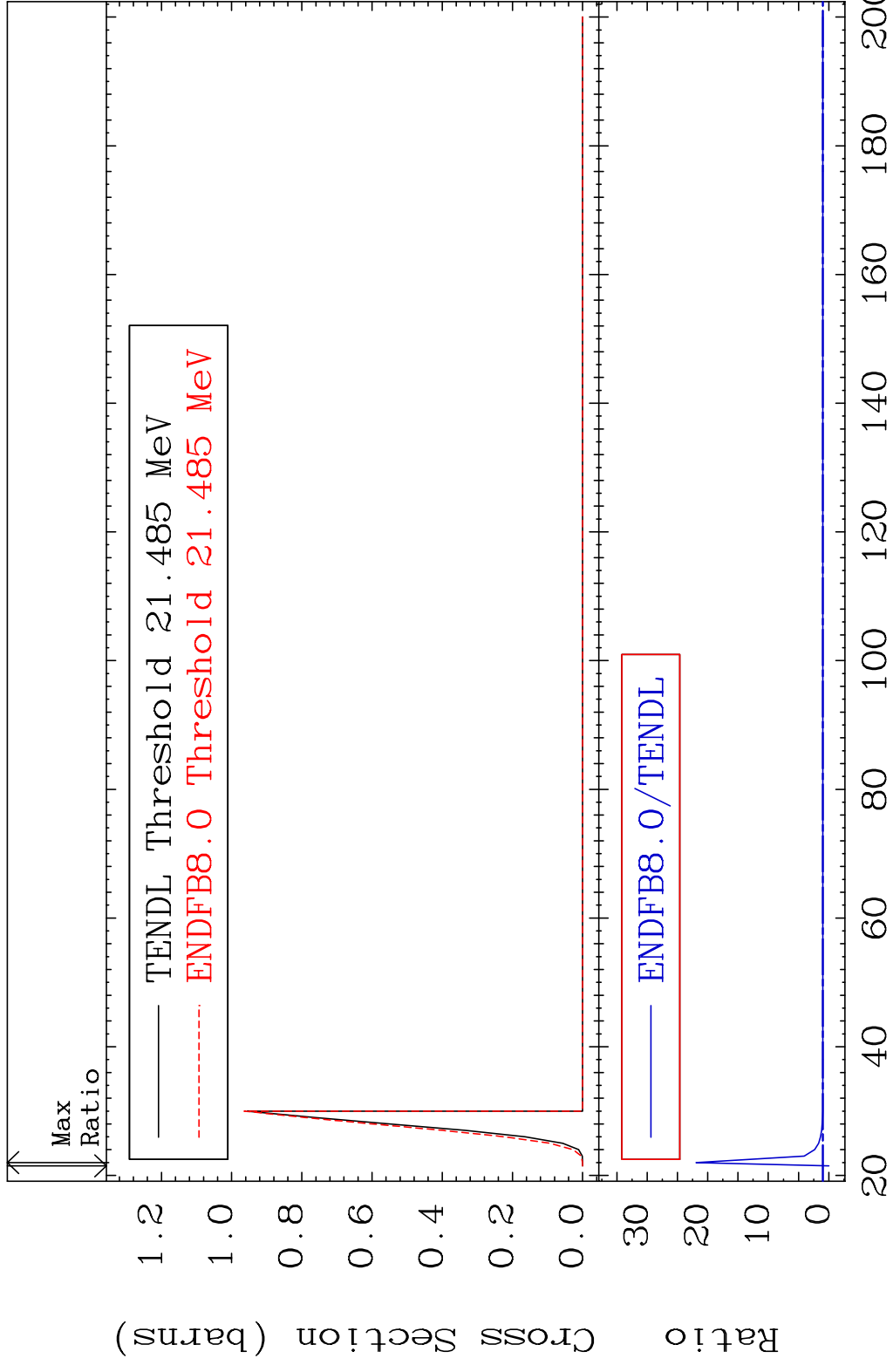


MAT 8128

(n,4n)

81-Tl-204

Cross Section -100.0 To 2093. %

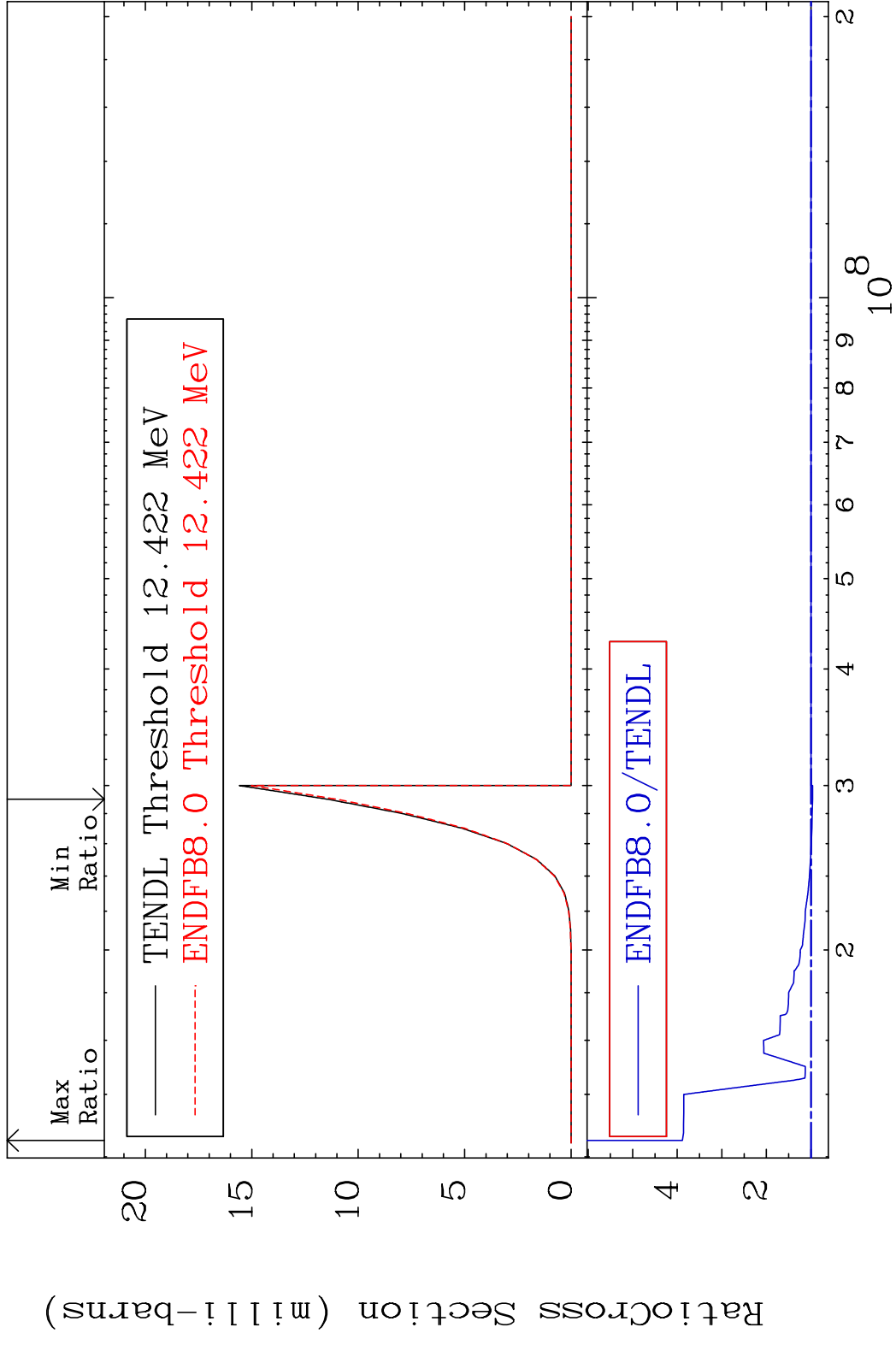


MAT 8128

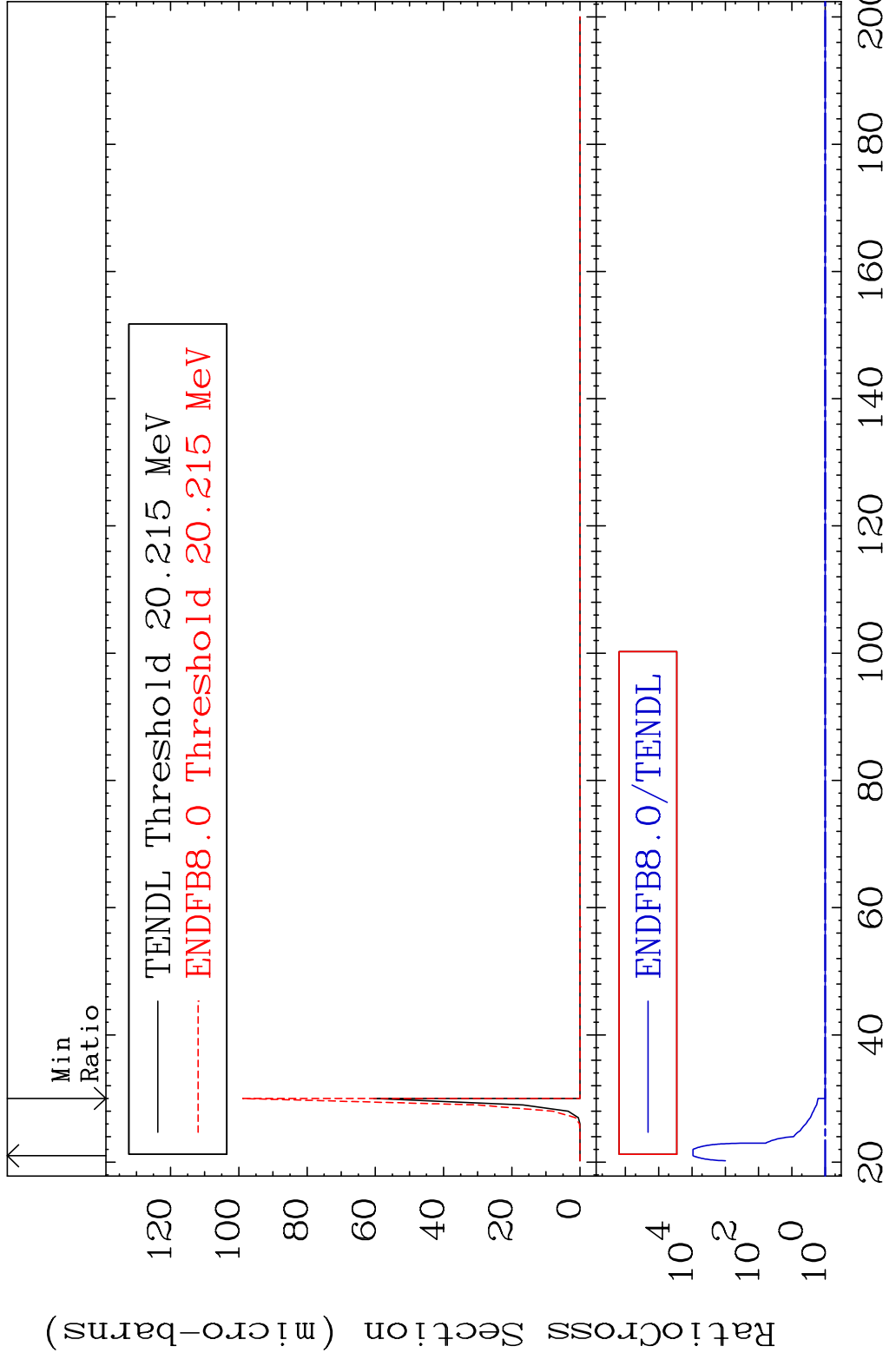
(n,2n) p

81-Tl-204

Cross Section -3.662 To 288.6 %



MAT 8128 (n,3n) p 81-Tl-204
 Cross Section 0.000 To 9999. %



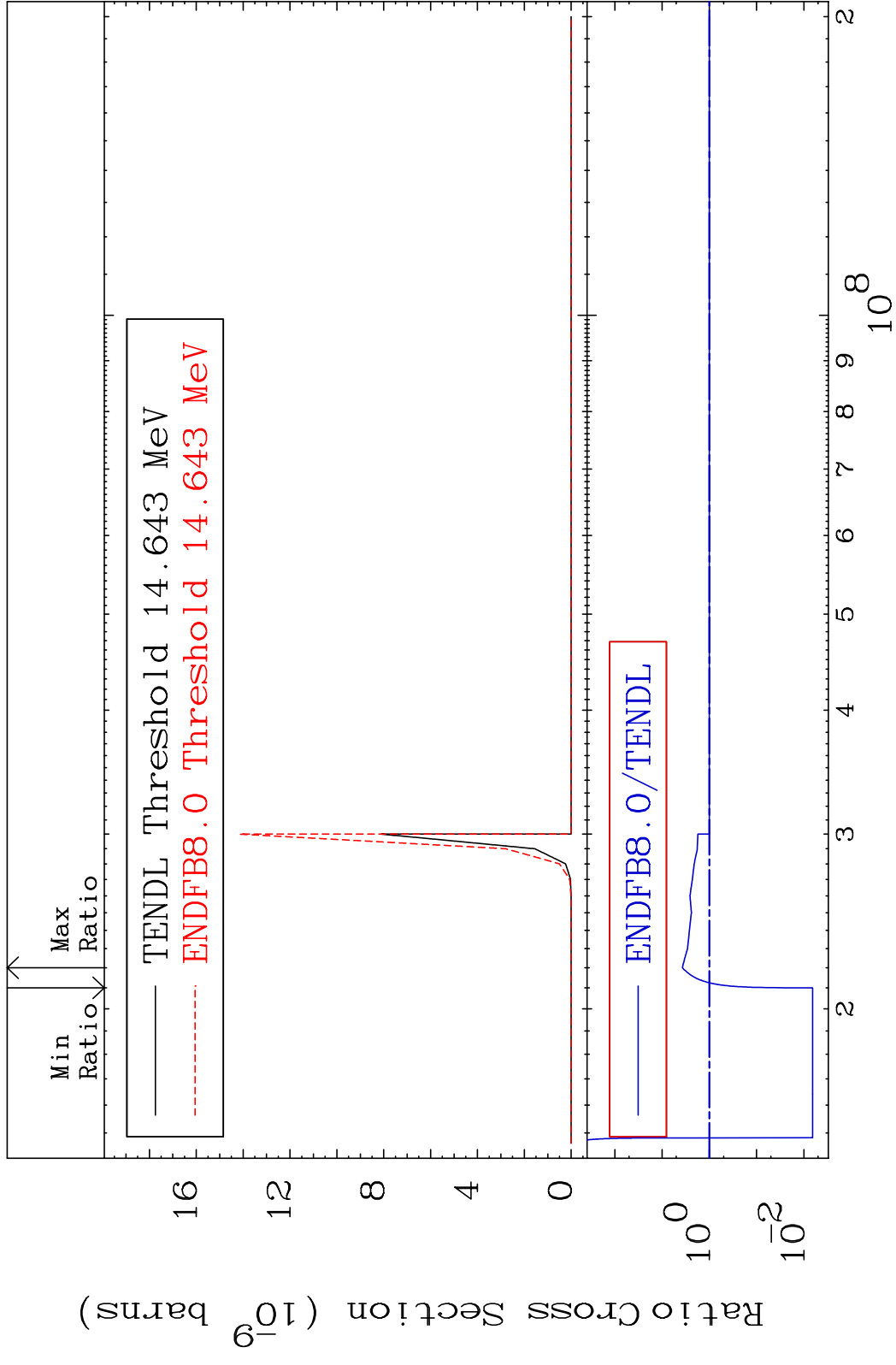
MAT 8128

(n,2n) p

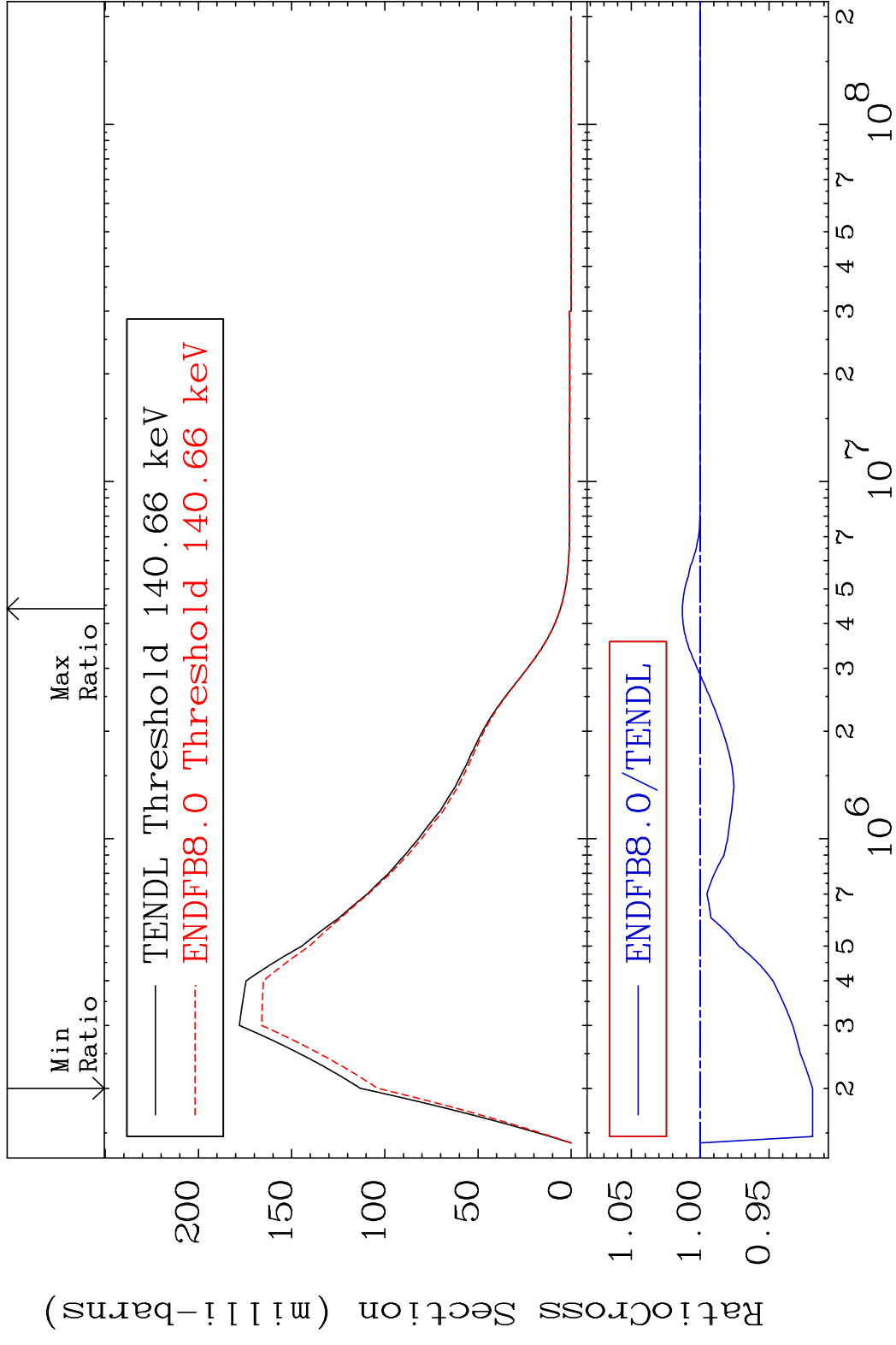
81-Tl-204

Cross Section

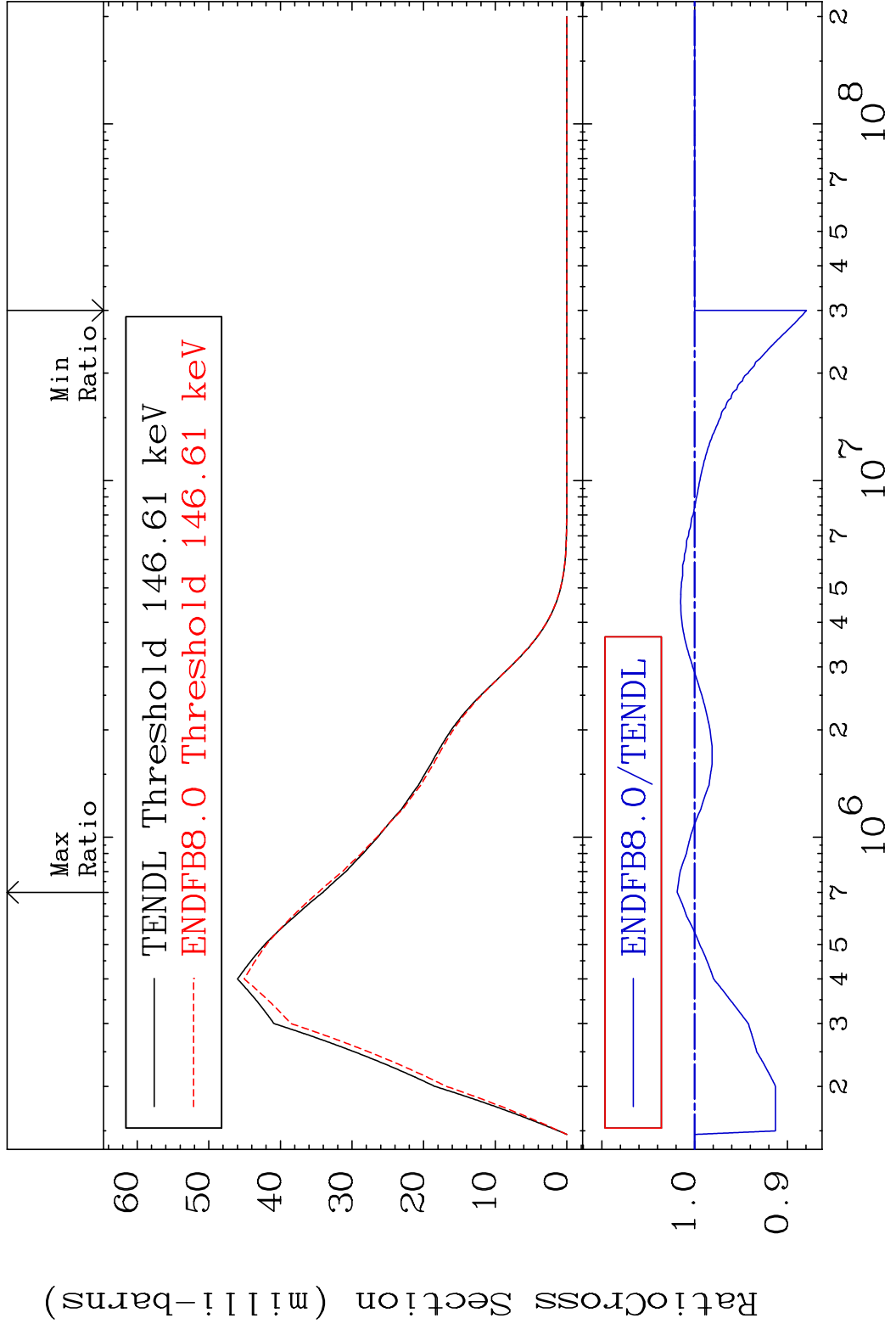
-99.35 To 272.5 %



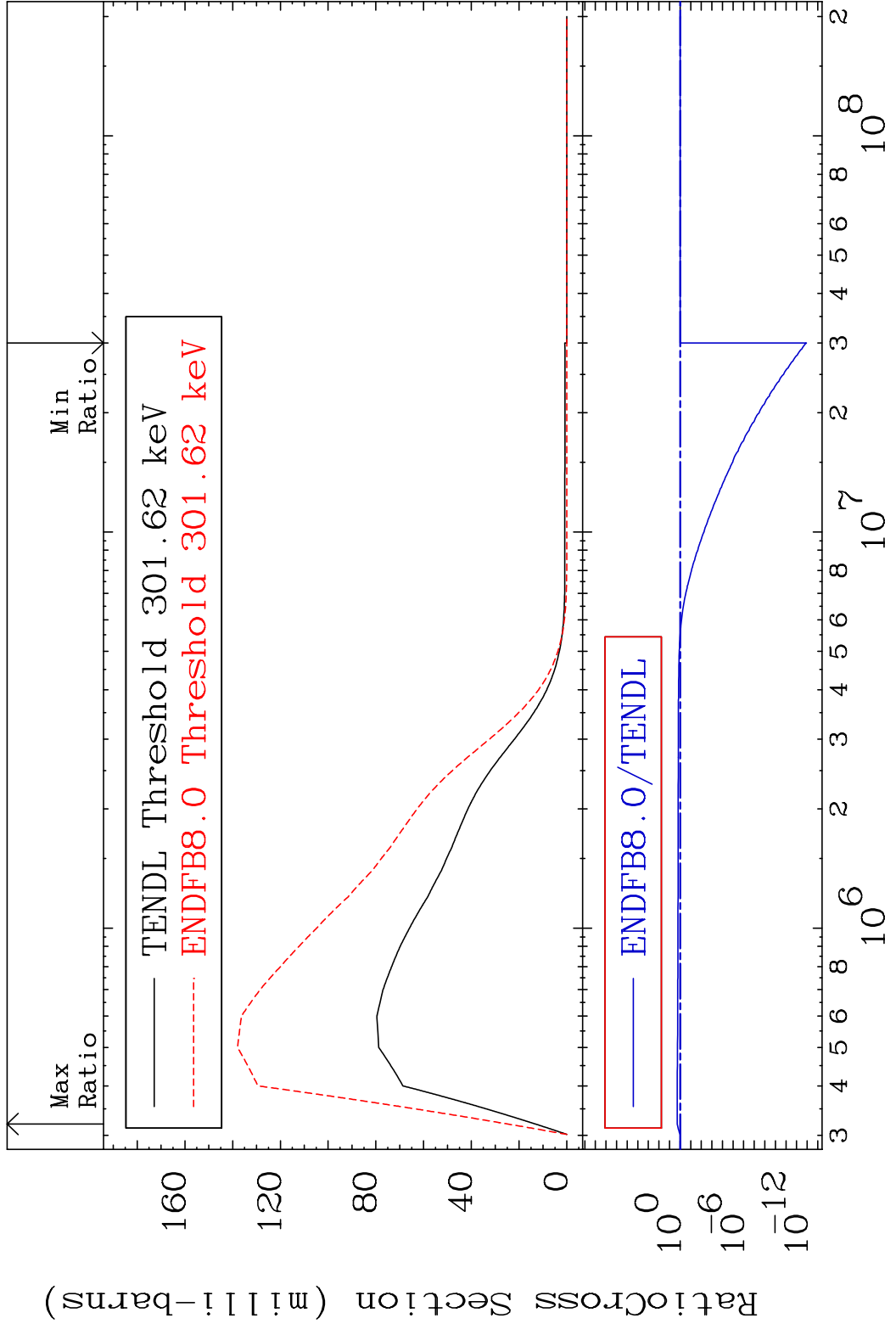
MAT 8128 MT= 51 (n, n') Level 81-Tl-204
 Cross Section -8.172 To 1.296 %



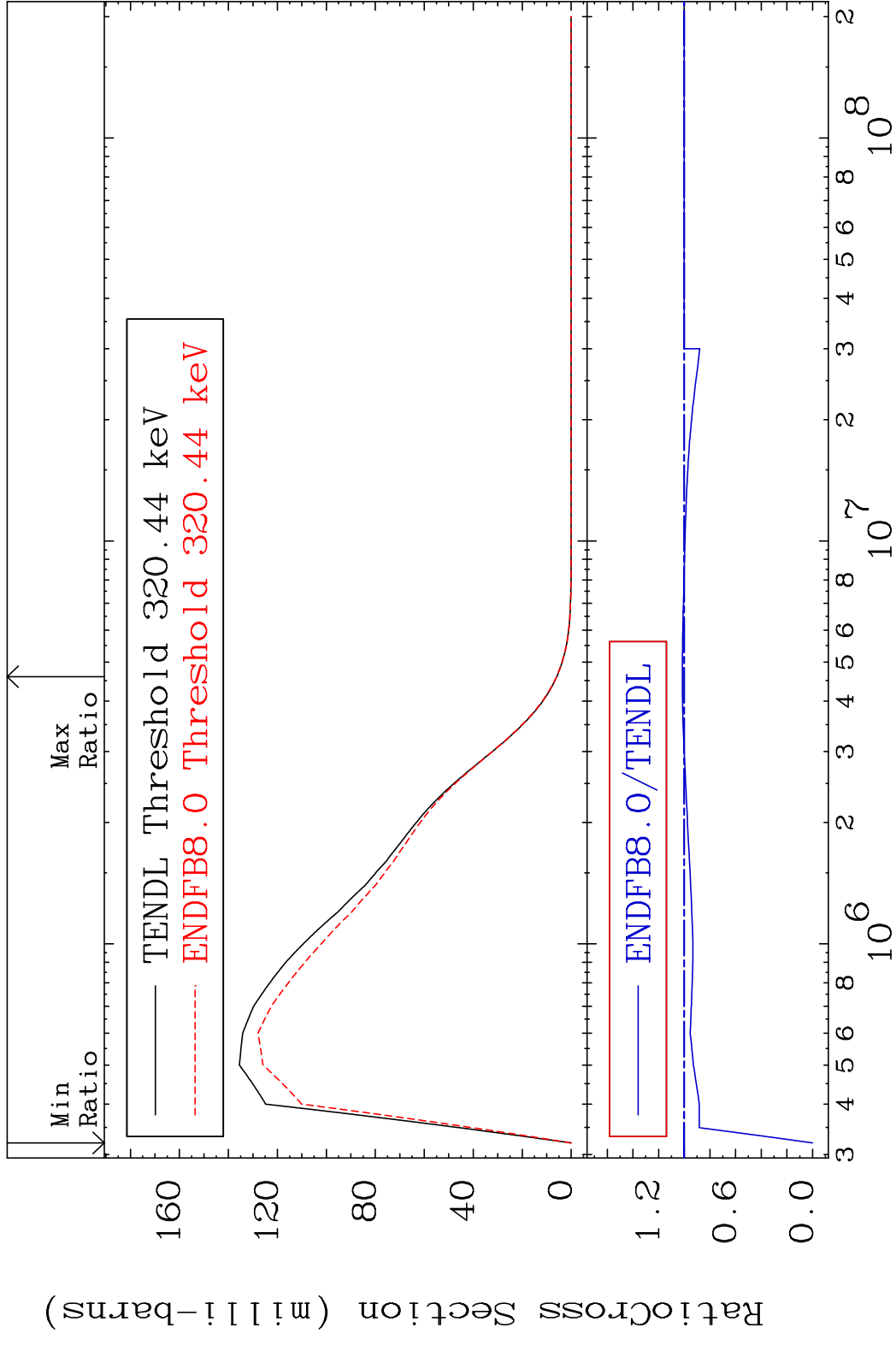
MAT 8128 MT= 52 (n, n') Level 81-Tl-204
 Cross Section -12.04 To 1.877 %



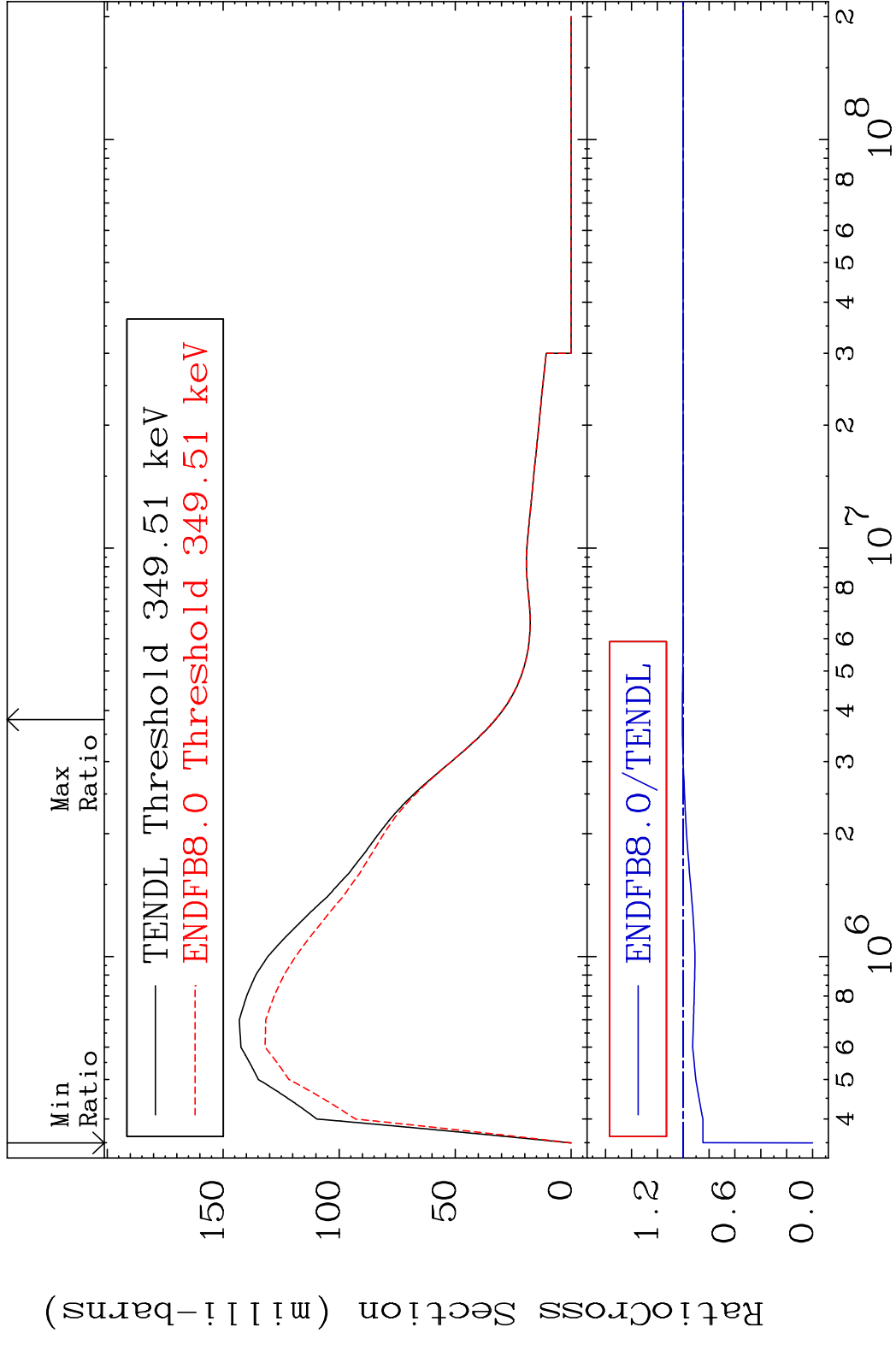
MAT 8128 MT= 53 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 88.48 %



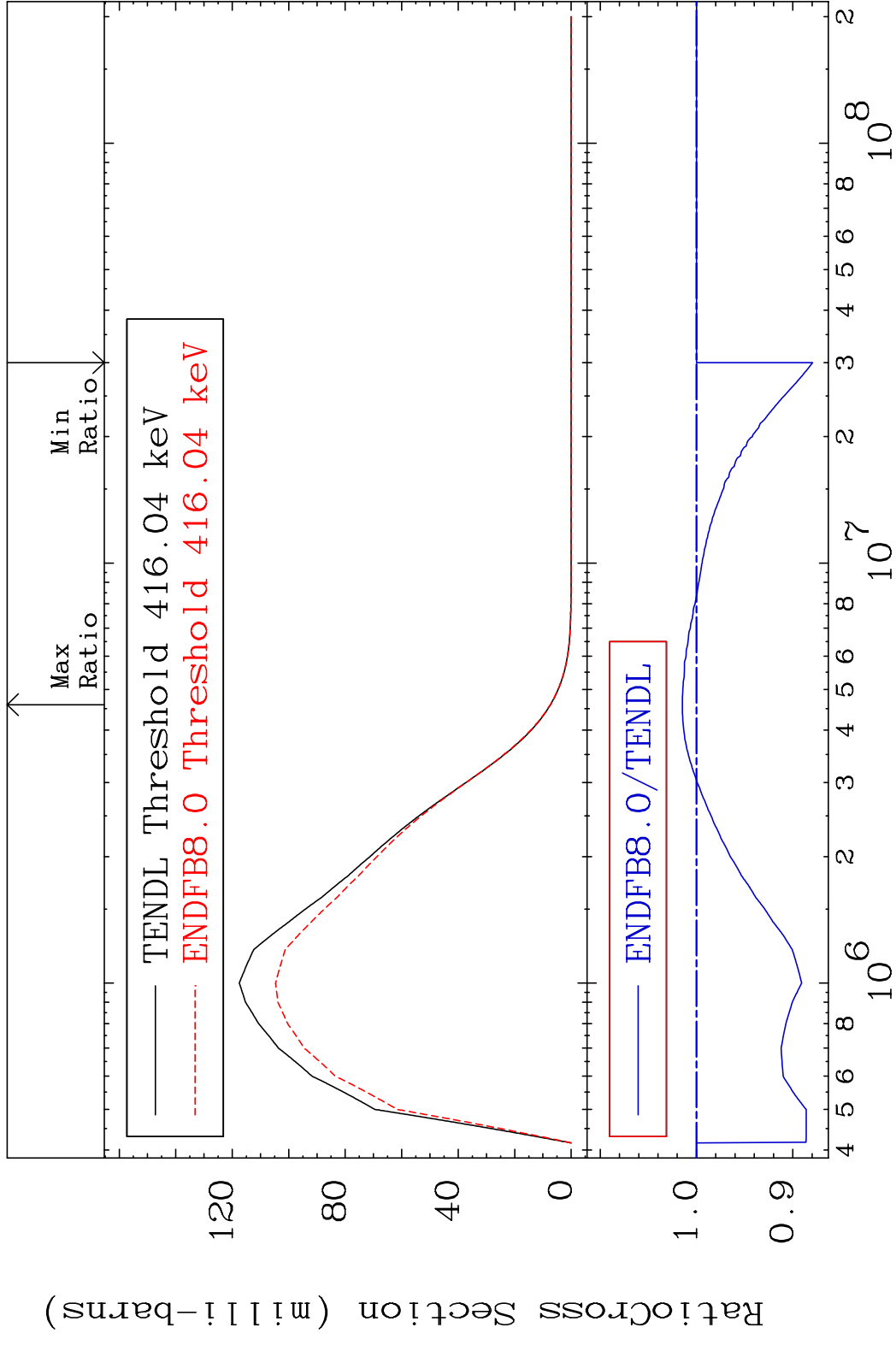
MAT 8128 MT= 54 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 1.482 %



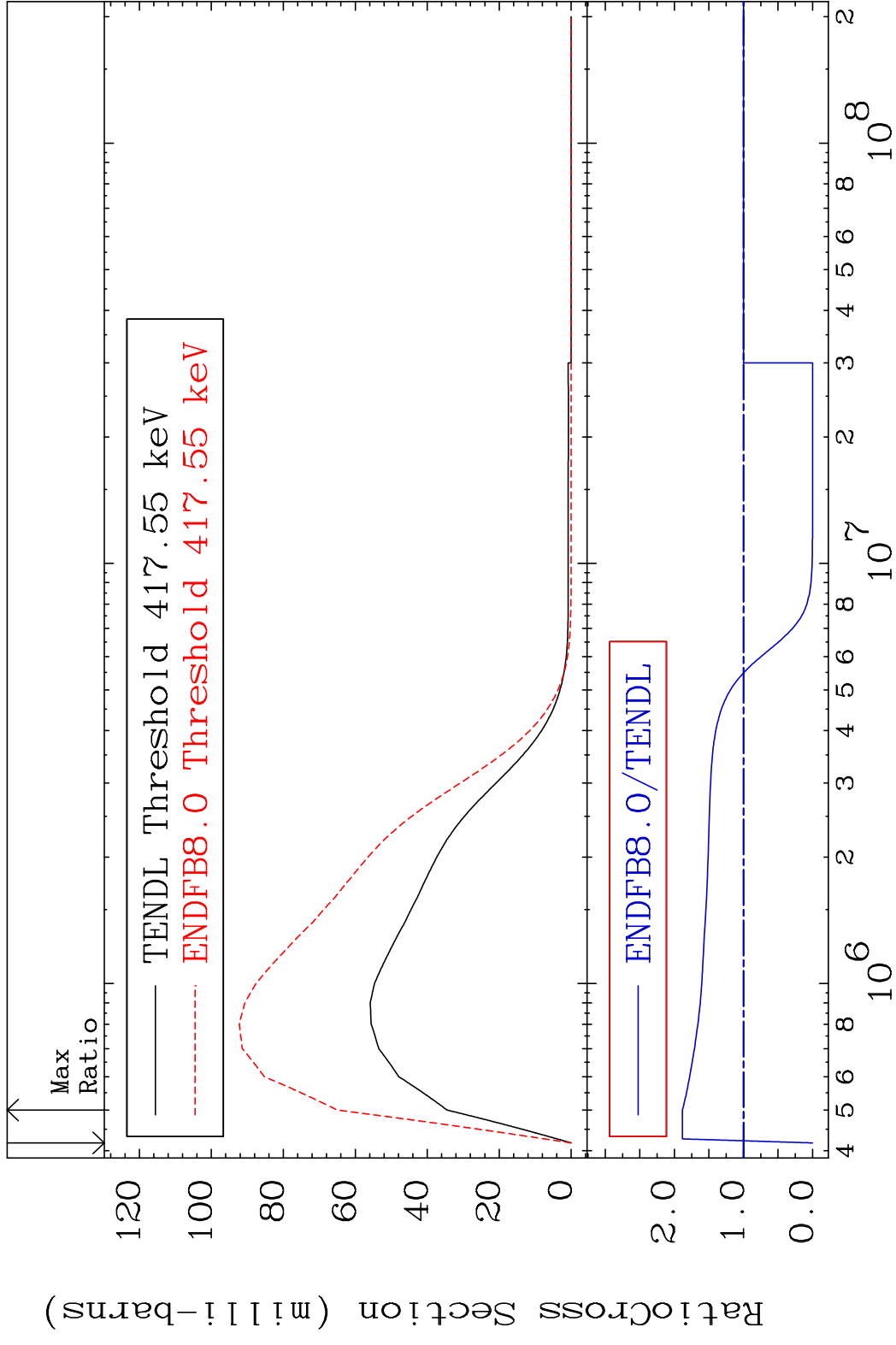
MAT 8128 MT= 55 (n,n') Level 81-Tl-204
 Cross Section -100.0 To 0.635 %



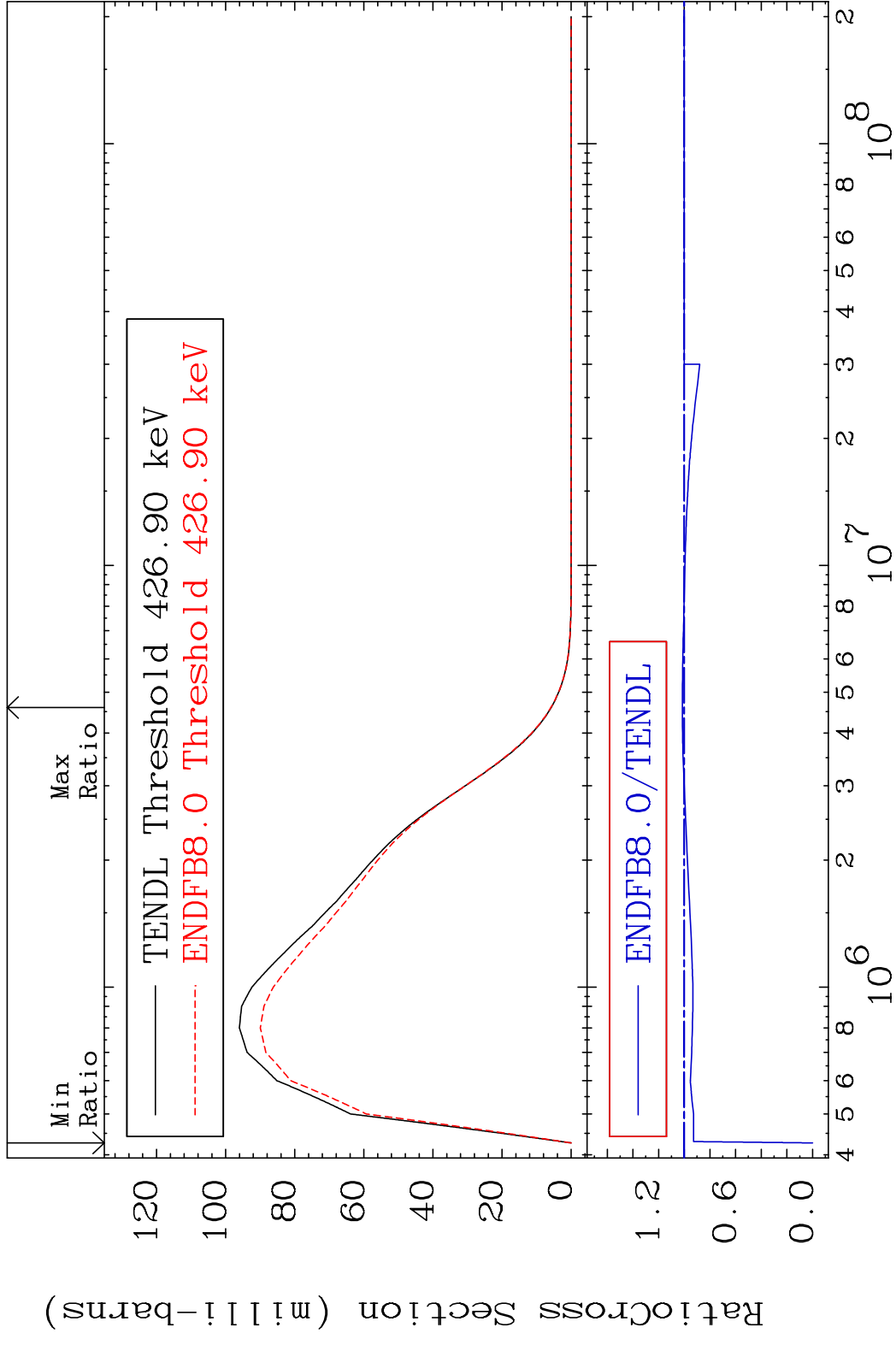
MAT 8128 MT= 56 (n, n') Level 81-Tl-204
 Cross Section -12.05 To 1.470 %



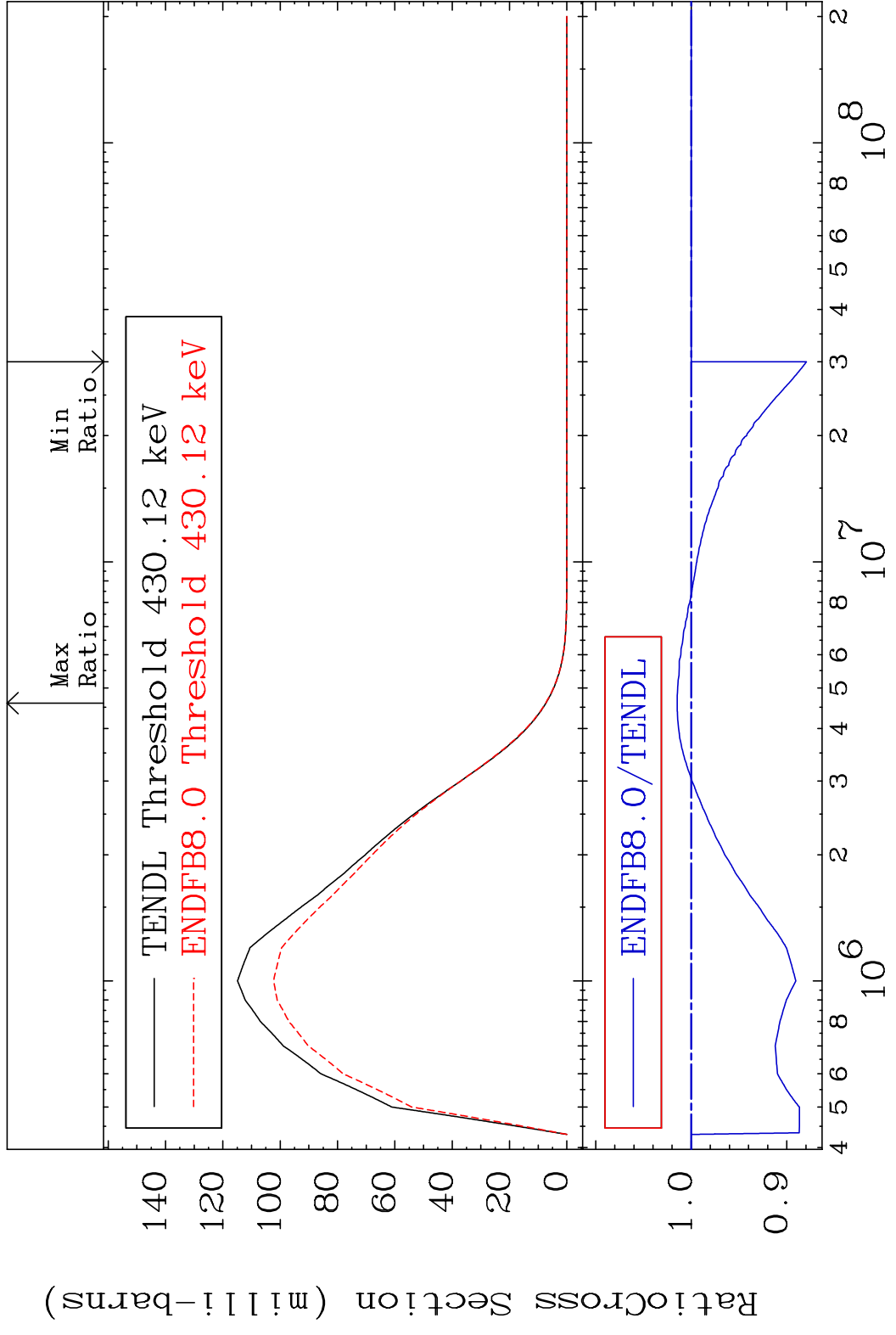
MAT 8128 MT= 57 (n,n') Level 81-Tl-204
 Cross Section -100.0 To 88.45 %



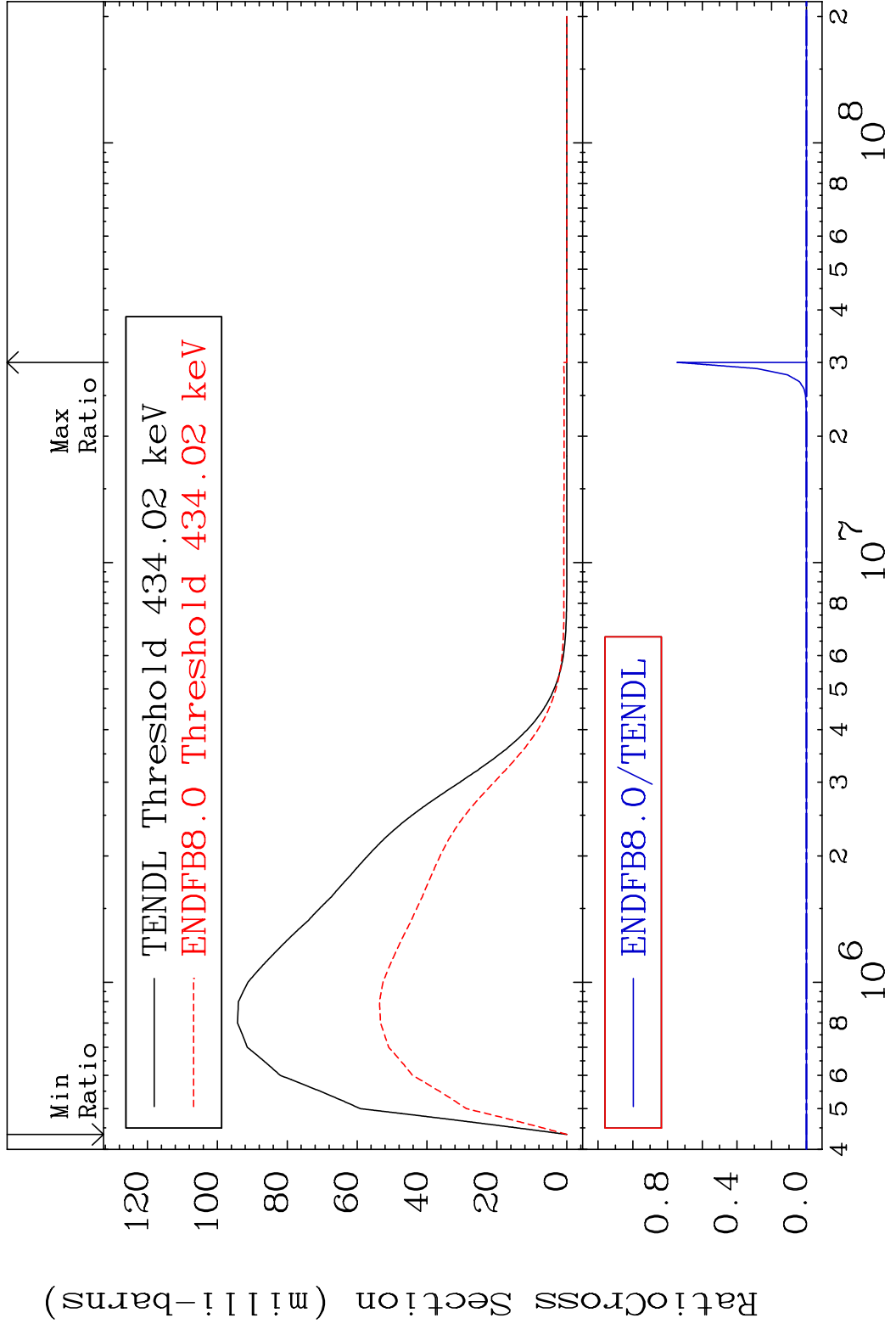
MAT 8128 MT= 58 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 1.481 %



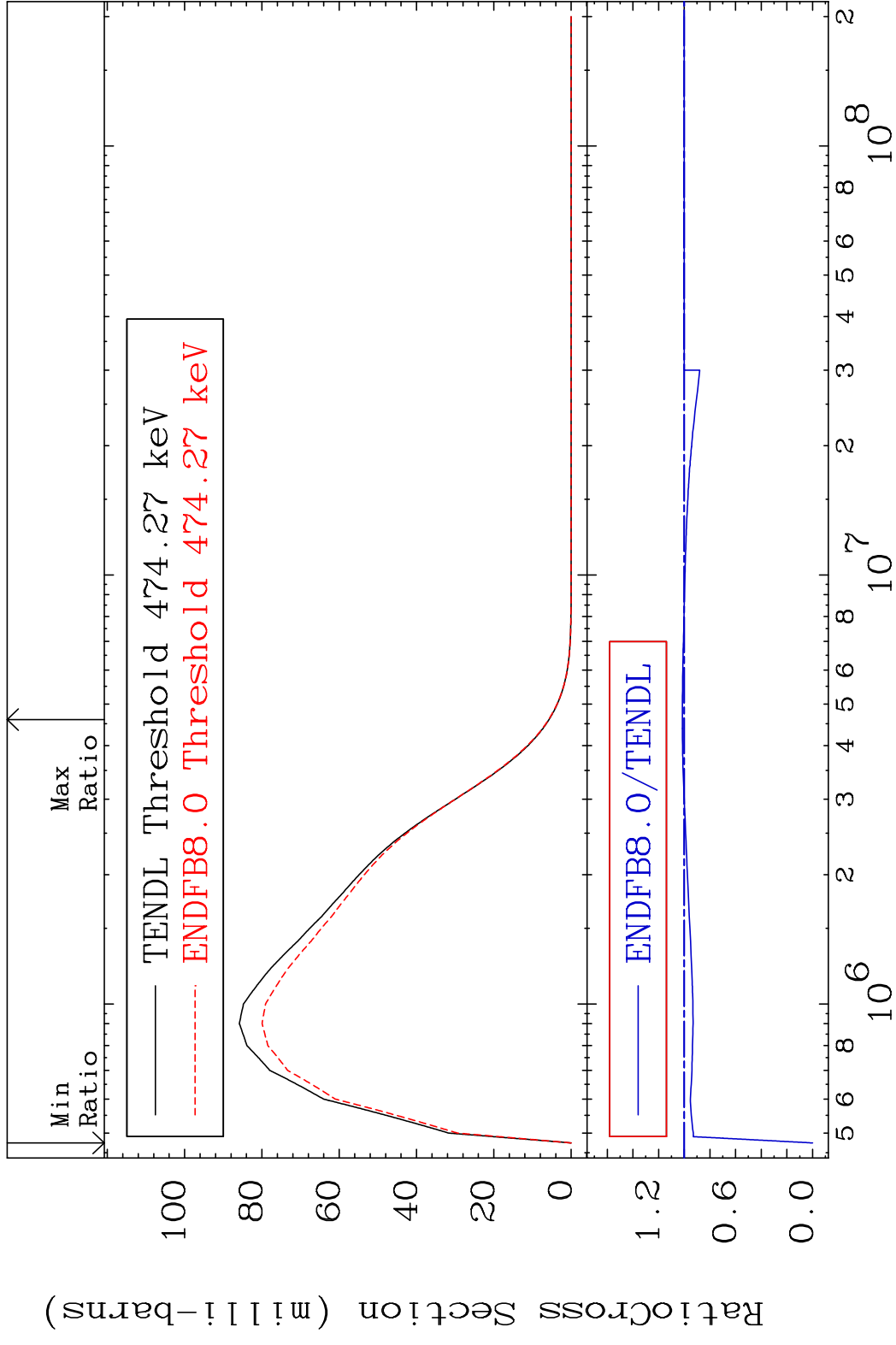
MAT 8128 MT= 59 (n, n') Level 81-Tl-204
 Cross Section -12.05 To 1.470 %



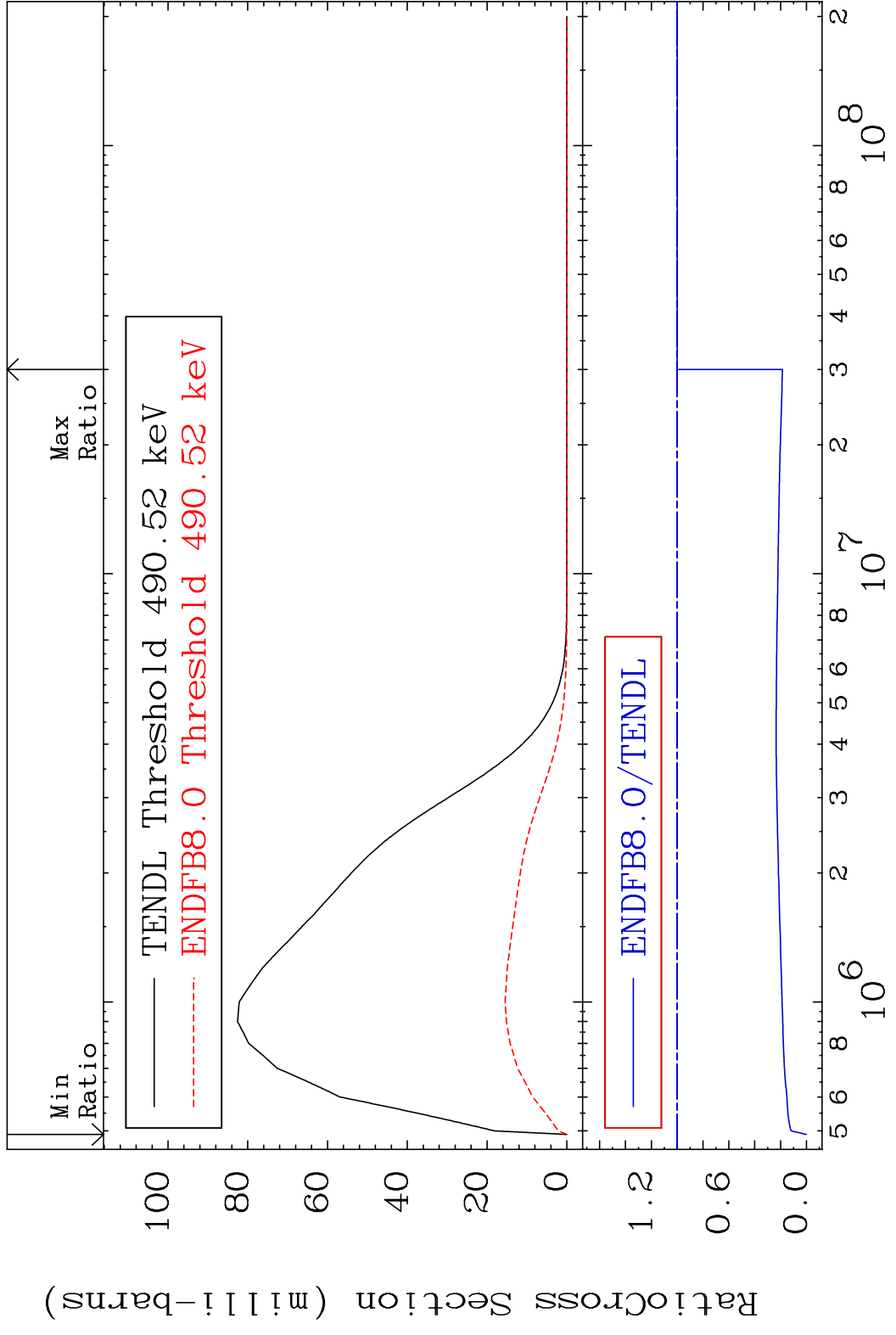
MAT 8128 MT= 60 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 9999. %



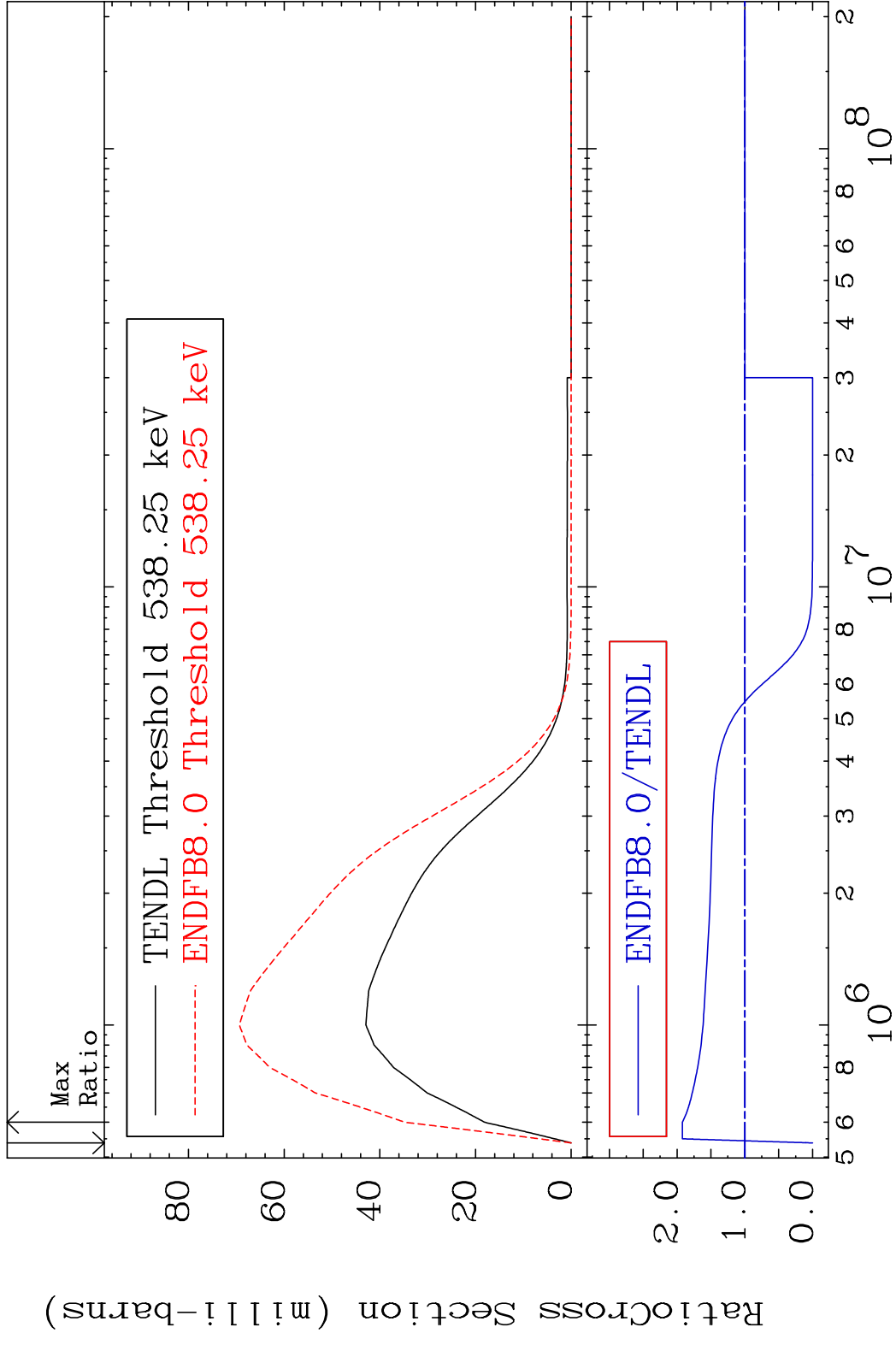
MAT 8128 MT= 61 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 1.481 %



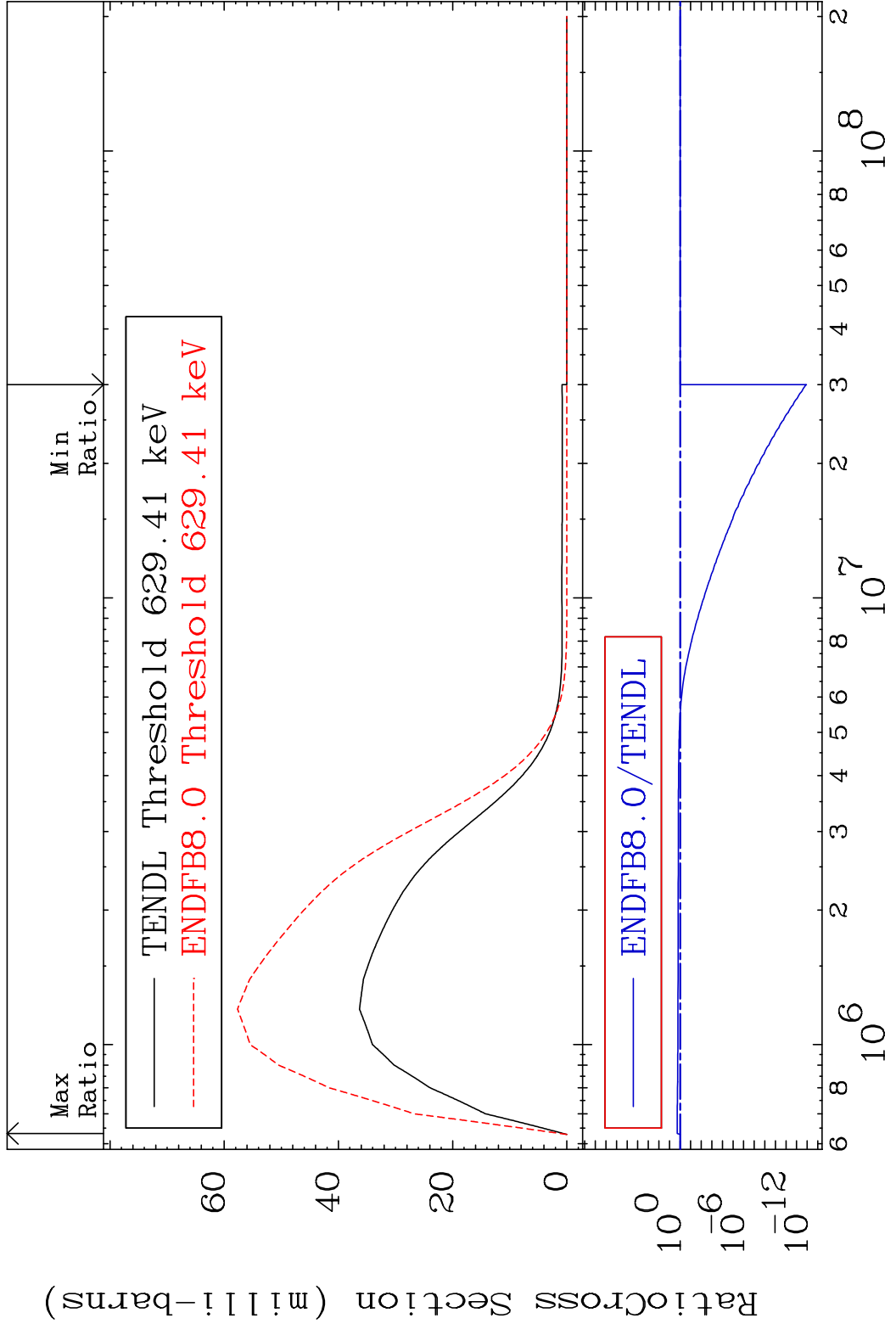
MAT 8128 MT= 62 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 0.000 %



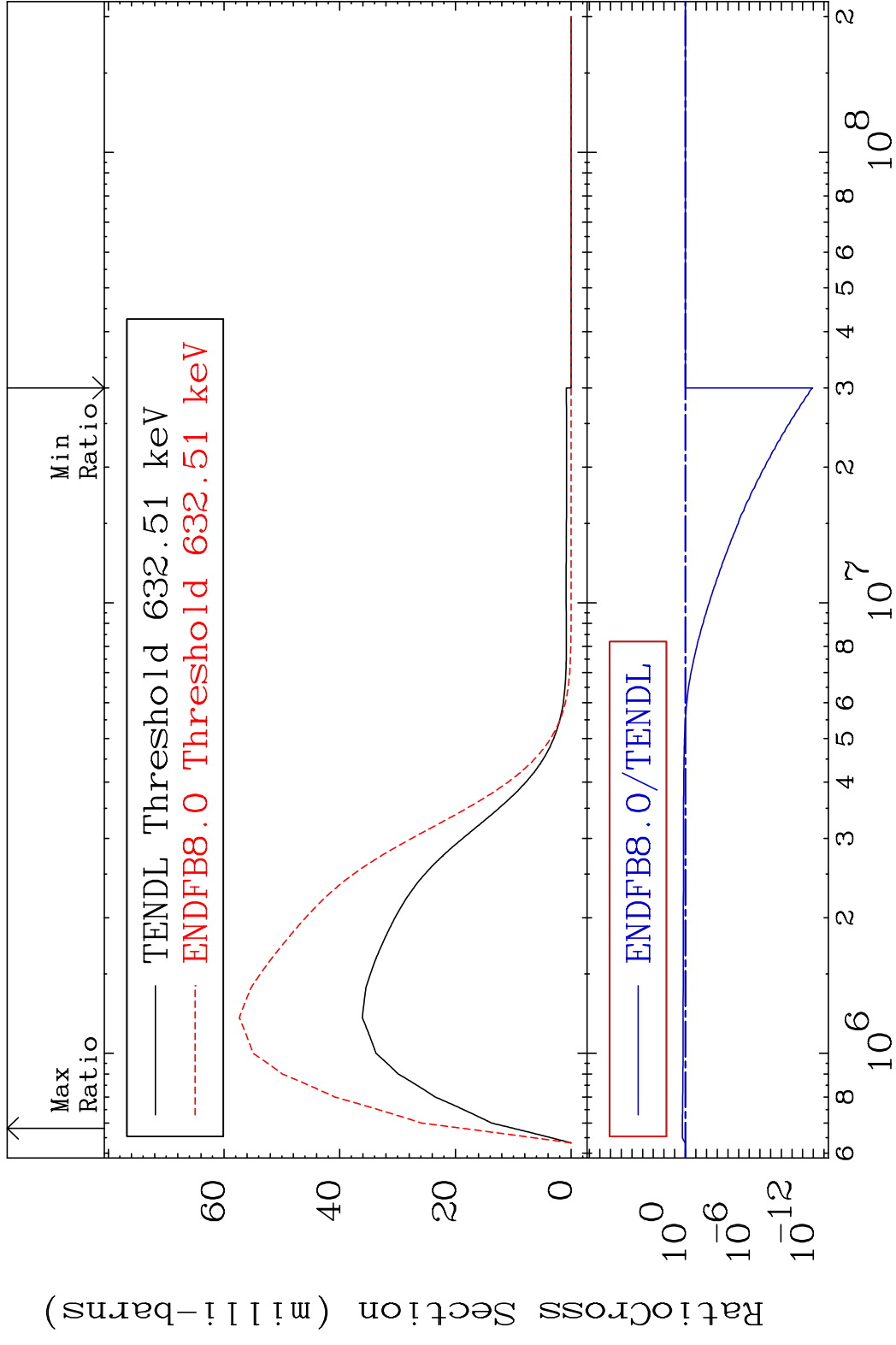
MAT 8128 MT= 63 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 92.19 %



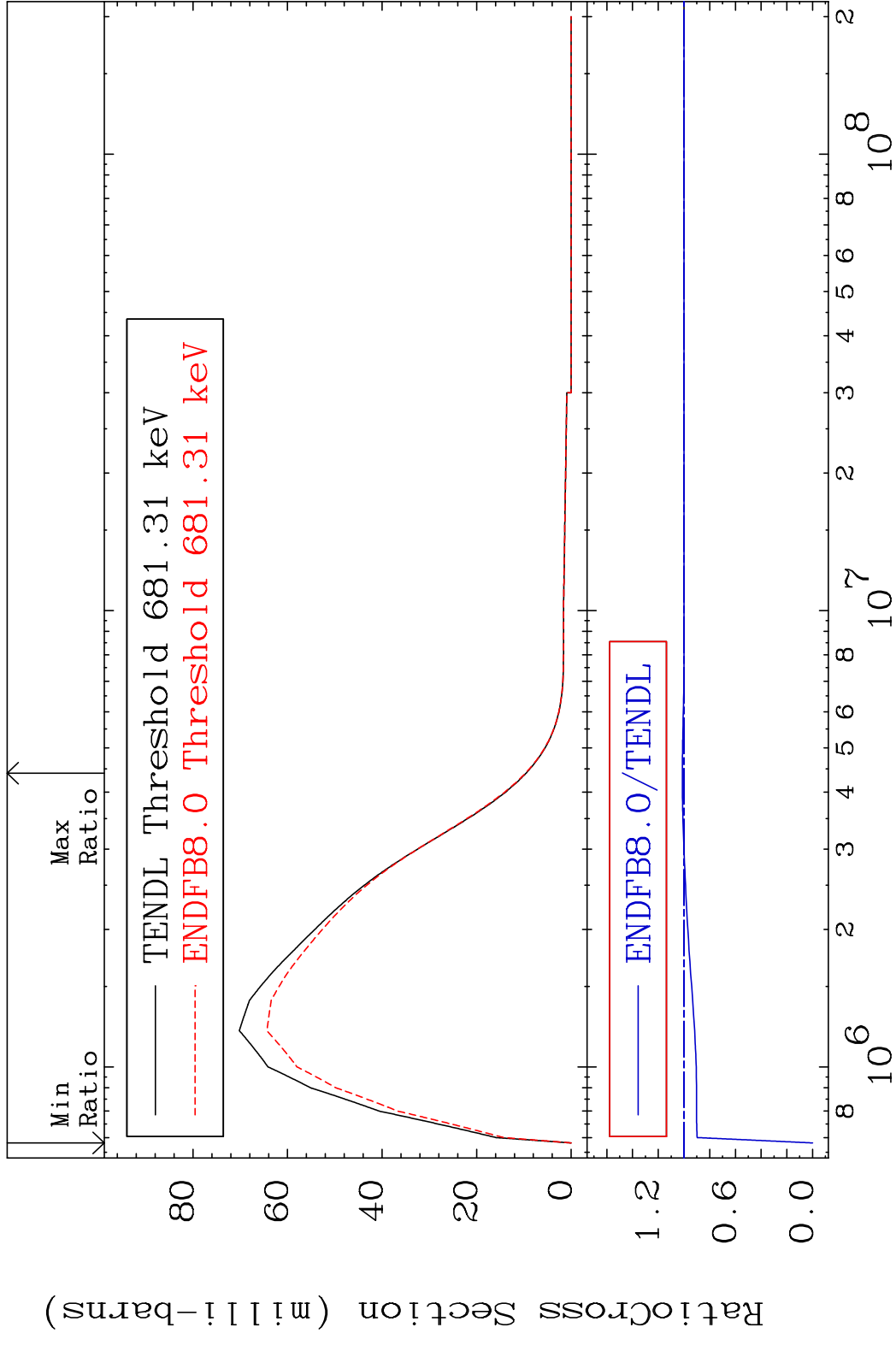
MAT 8128 MT= 64 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 87.61 %



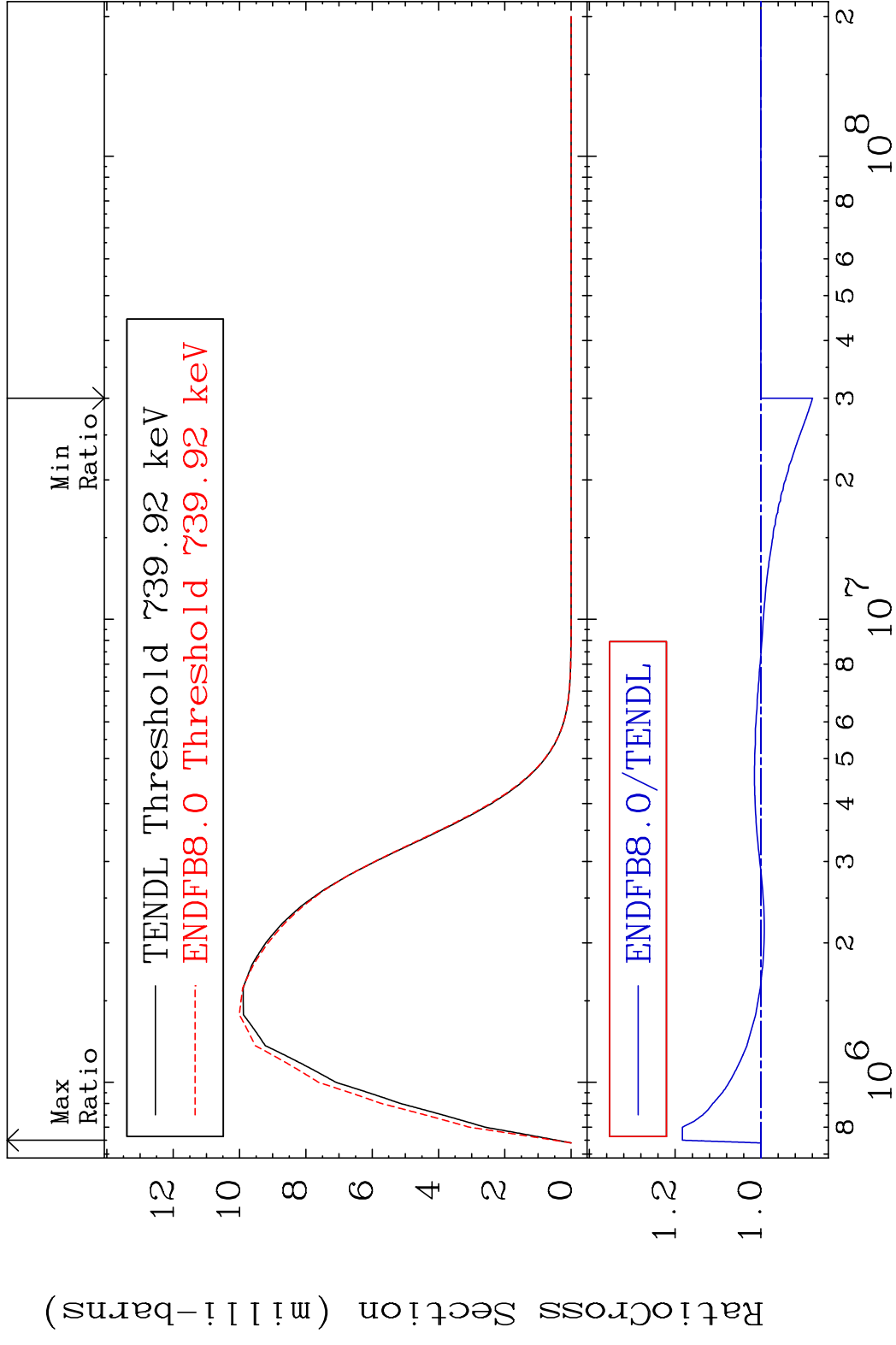
MAT 8128 MT= 65 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 88.00 %



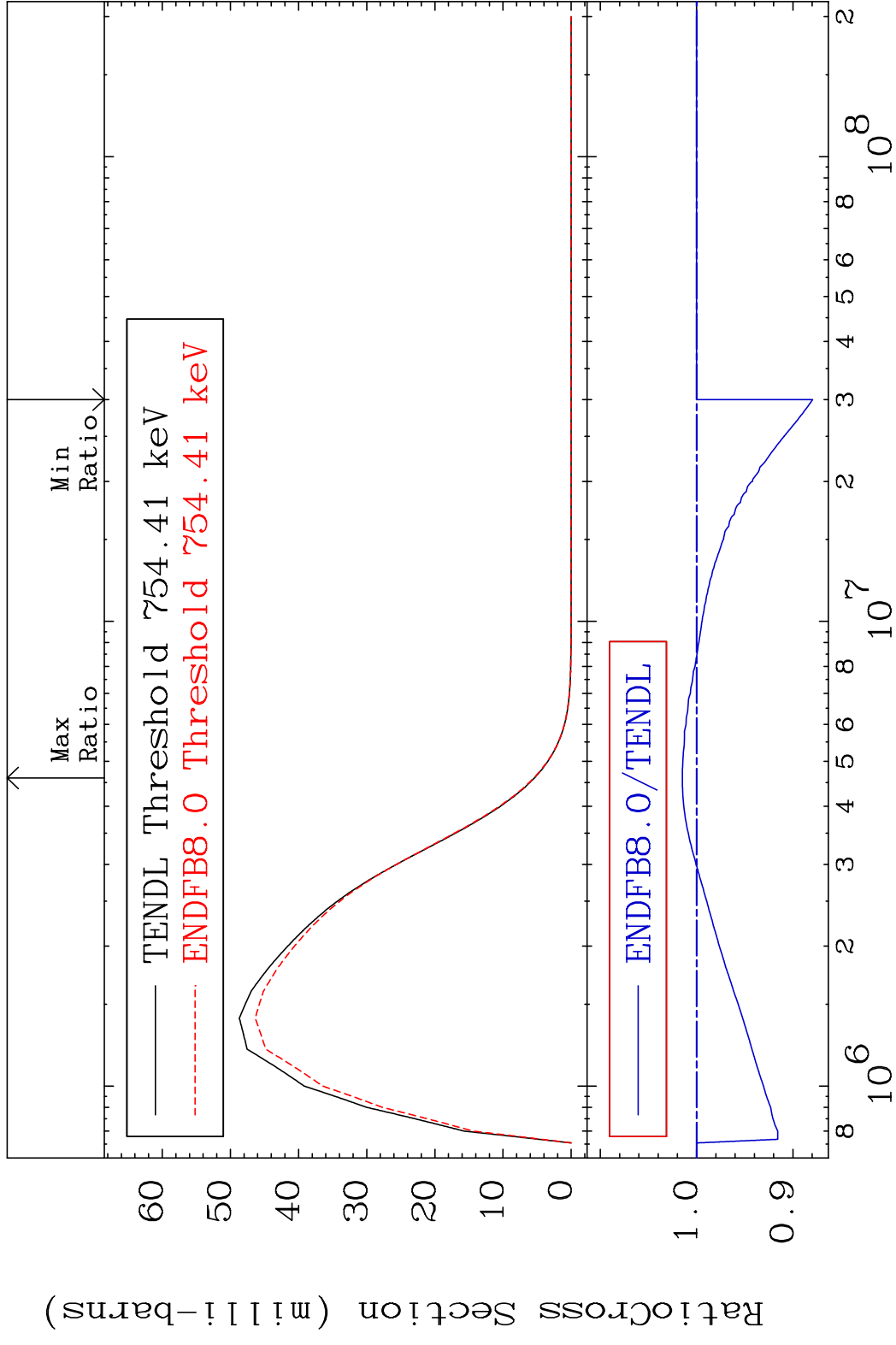
MAT 8128 MT= 66 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 1.266 %



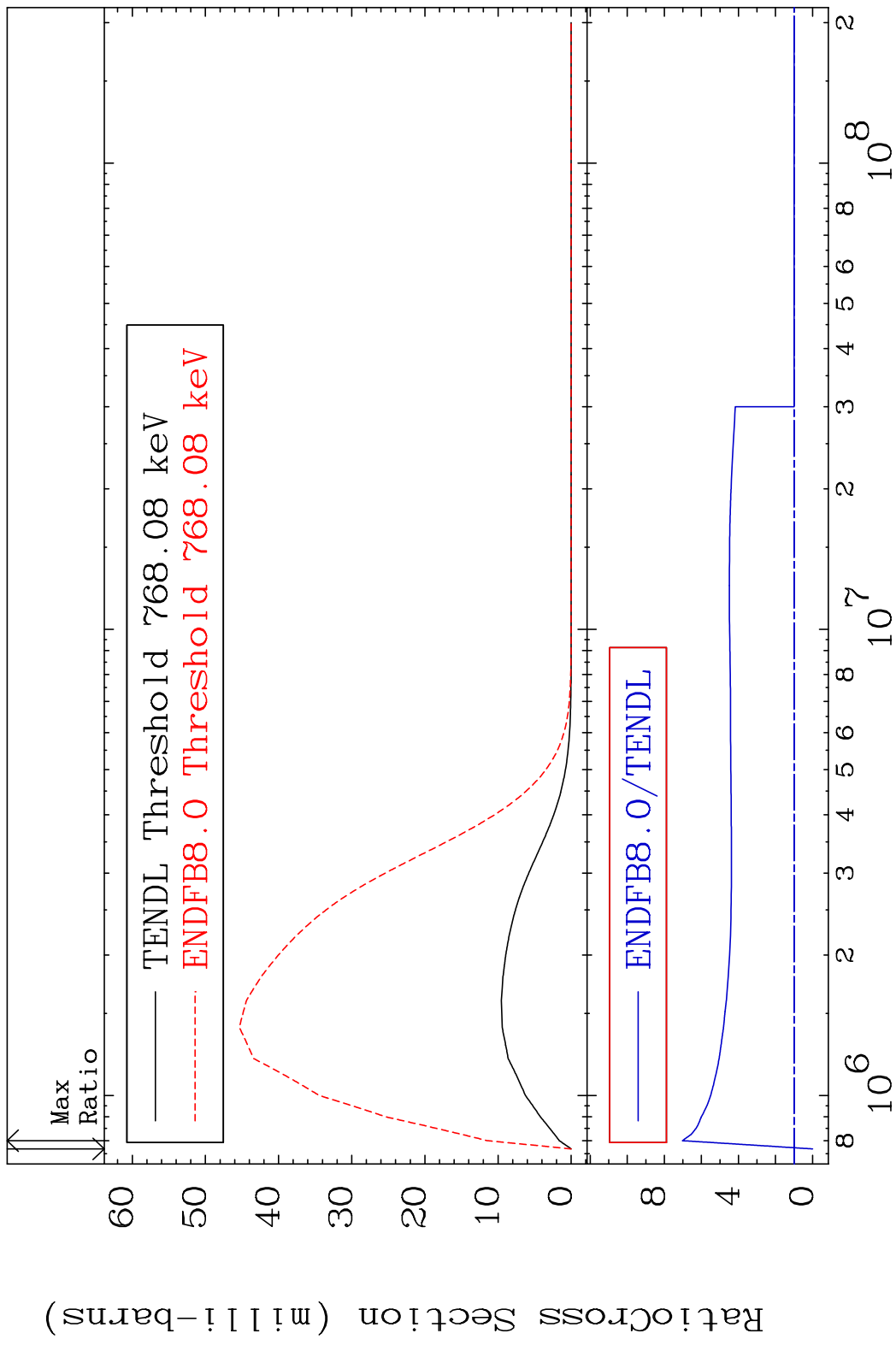
MAT 8128 MT= 67 (n, n') Level 81-Tl-204
 Cross Section -12.04 To 18.33 %



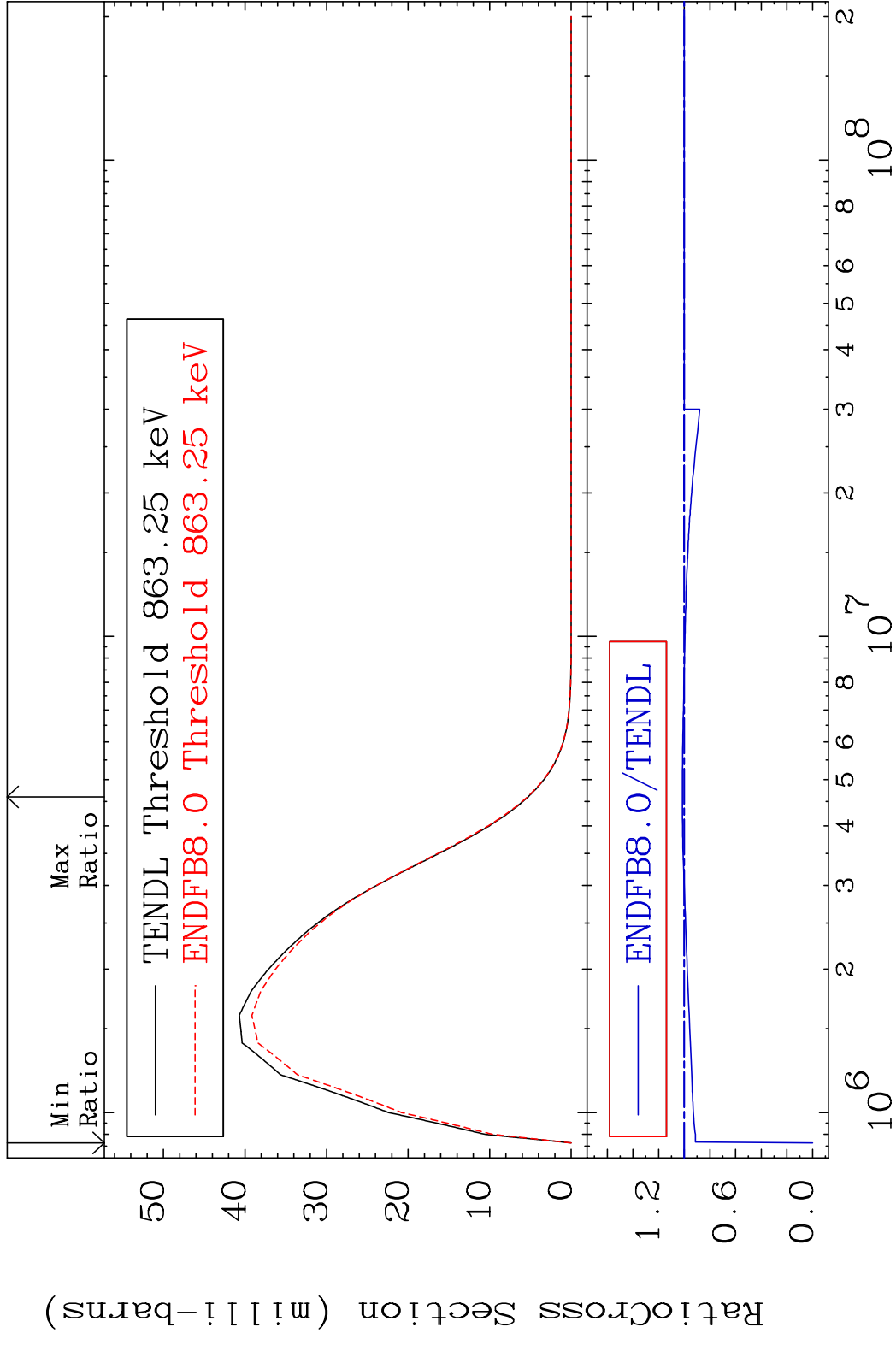
MAT 8128 MT= 68 (n, n') Level 81-Tl-204
 Cross Section -12.04 To 1.481 %



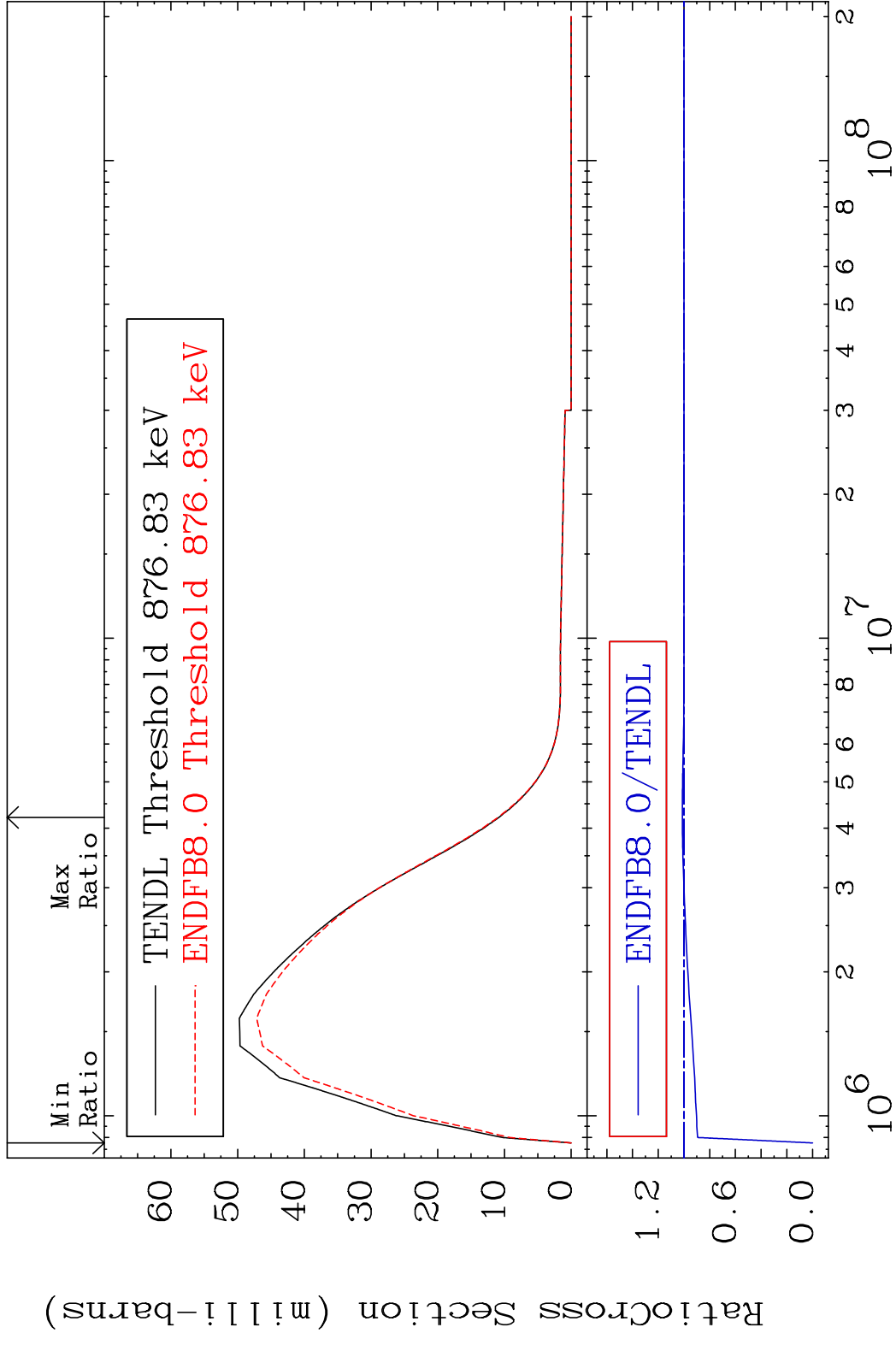
MAT 8128 MT= 69 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 602.7 %



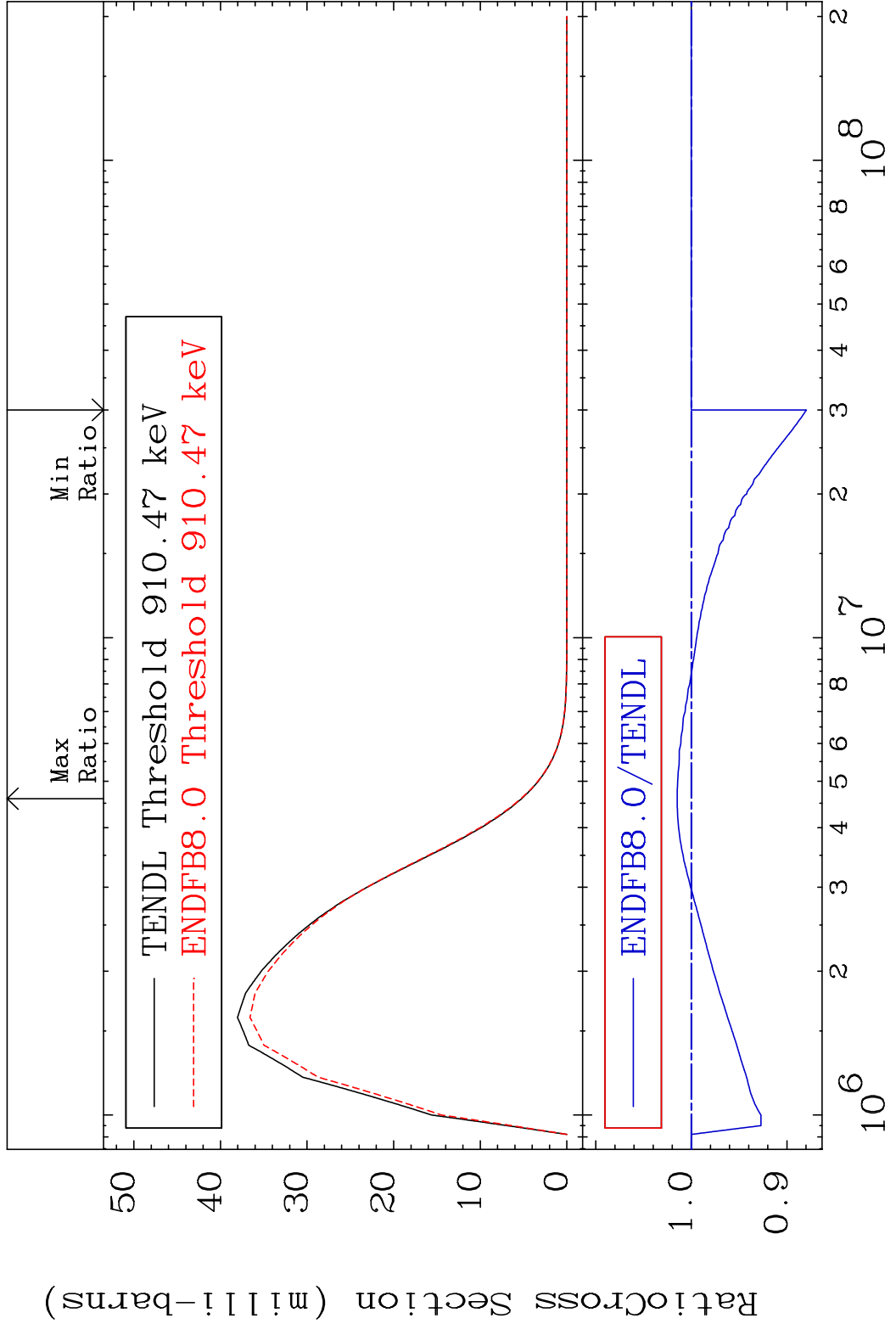
MAT 8128 MT= 70 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 1.481 %



MAT 8128 MT= 71 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 1.261 %

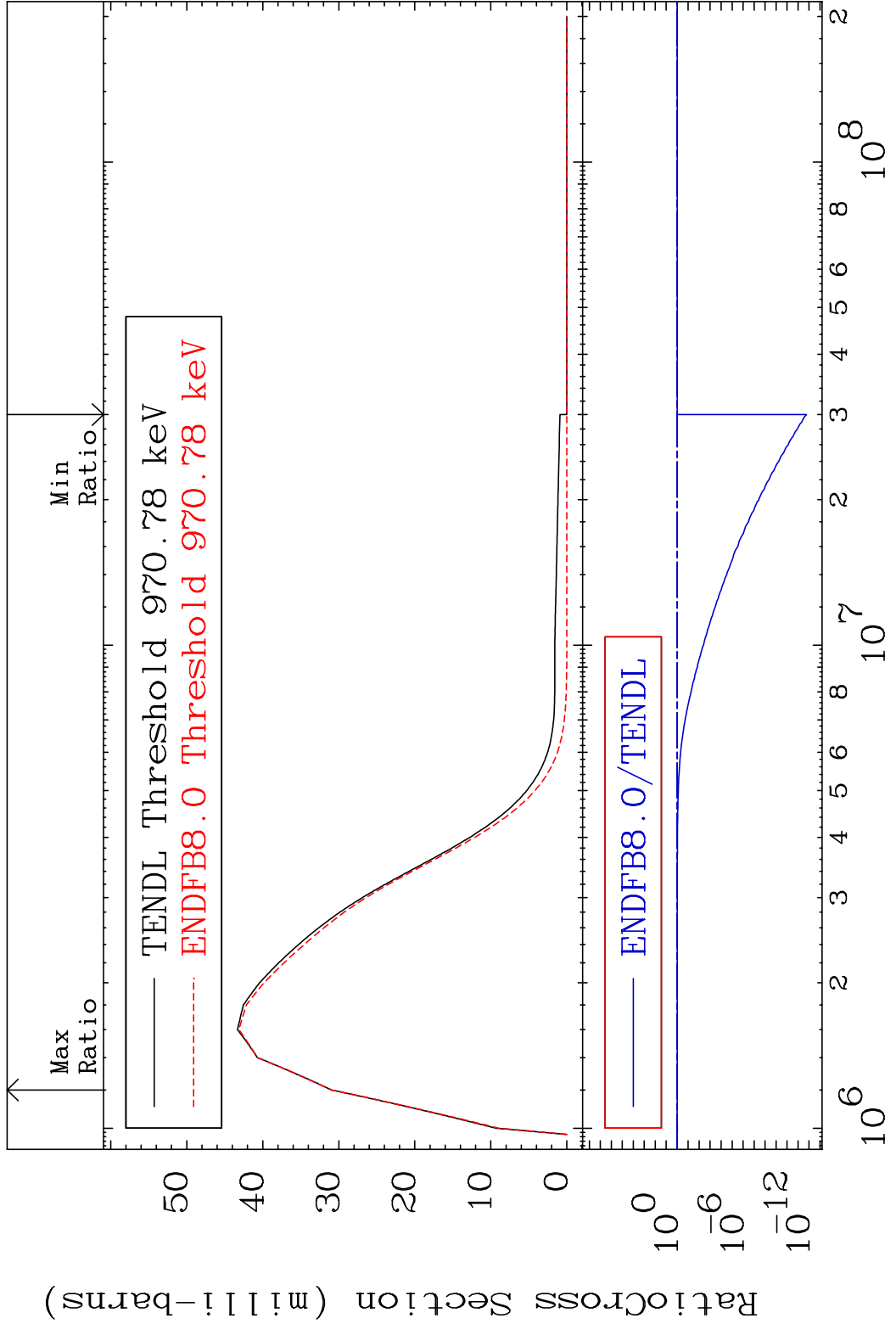


MAT 8128 MT= 72 (n, n') Level 81-Tl-204
 Cross Section -12.04 To 1.481 %



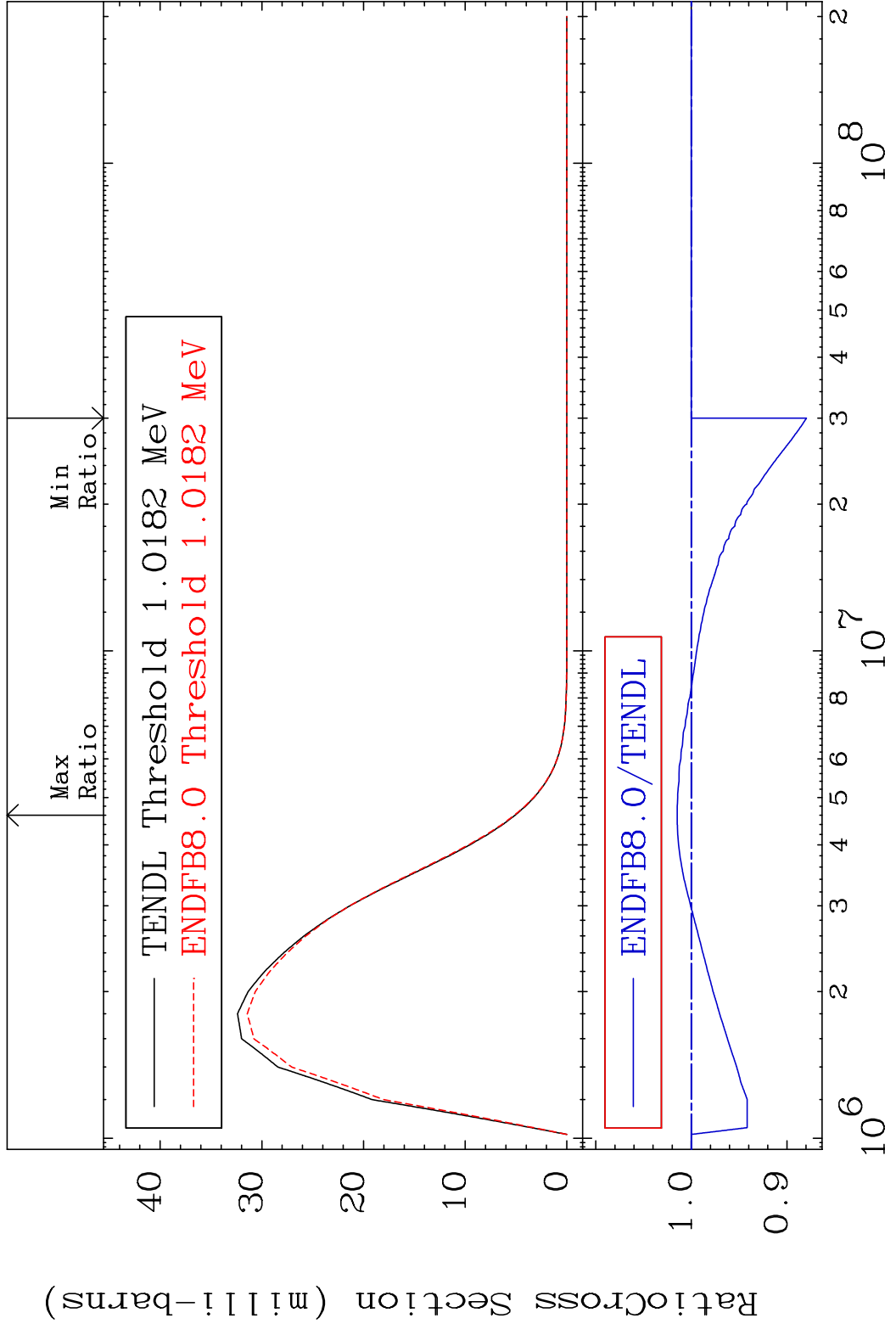
40 Incident Energy (eV) 81-Tl-204

MAT 8128 MT= 73 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 0.143 %



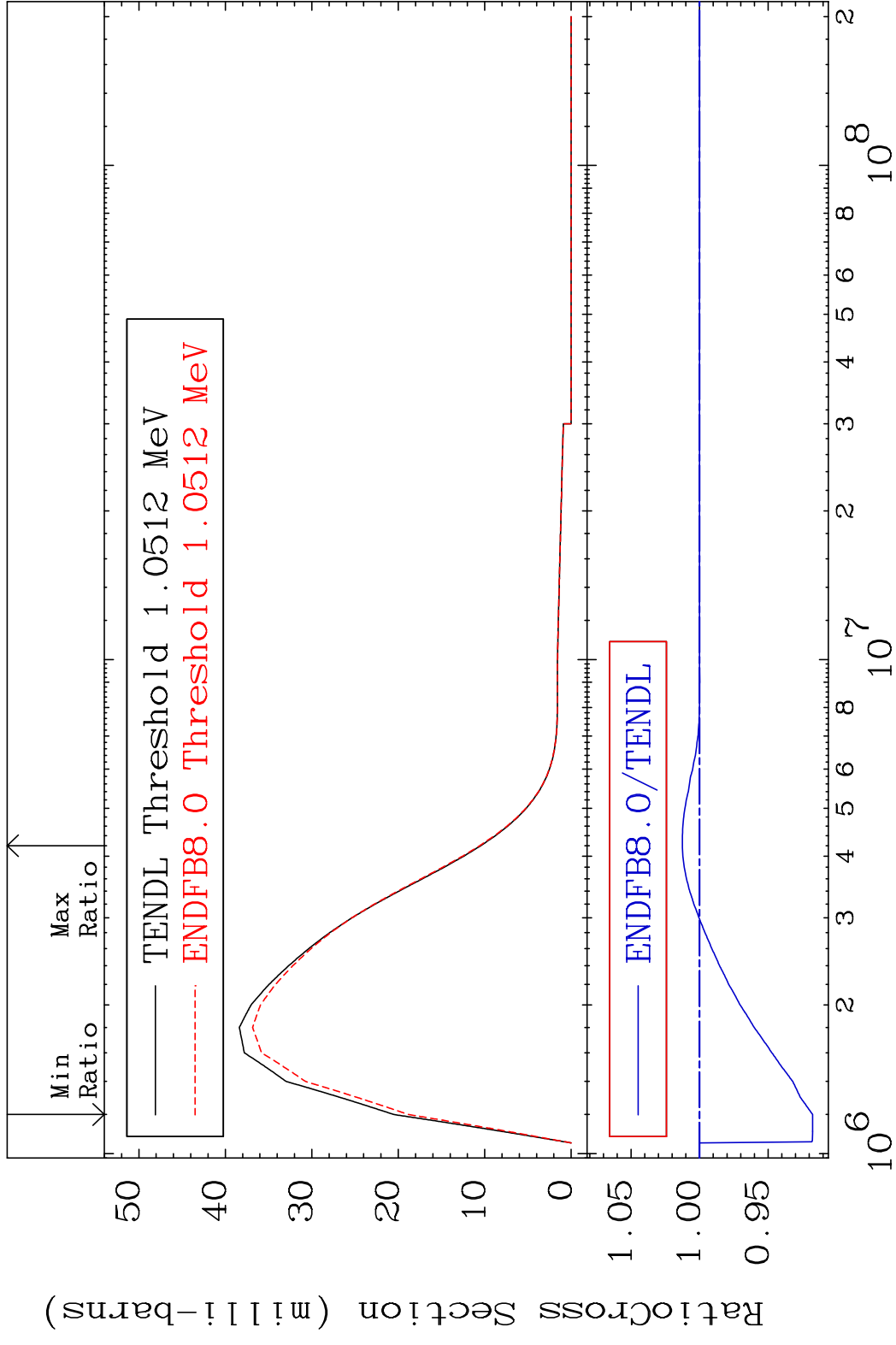
41 Incident Energy (eV) 81-Tl-204

MAT 8128 MT= 74 (n, n') Level 81-Tl-204
 Cross Section -12.04 To 1.481 %



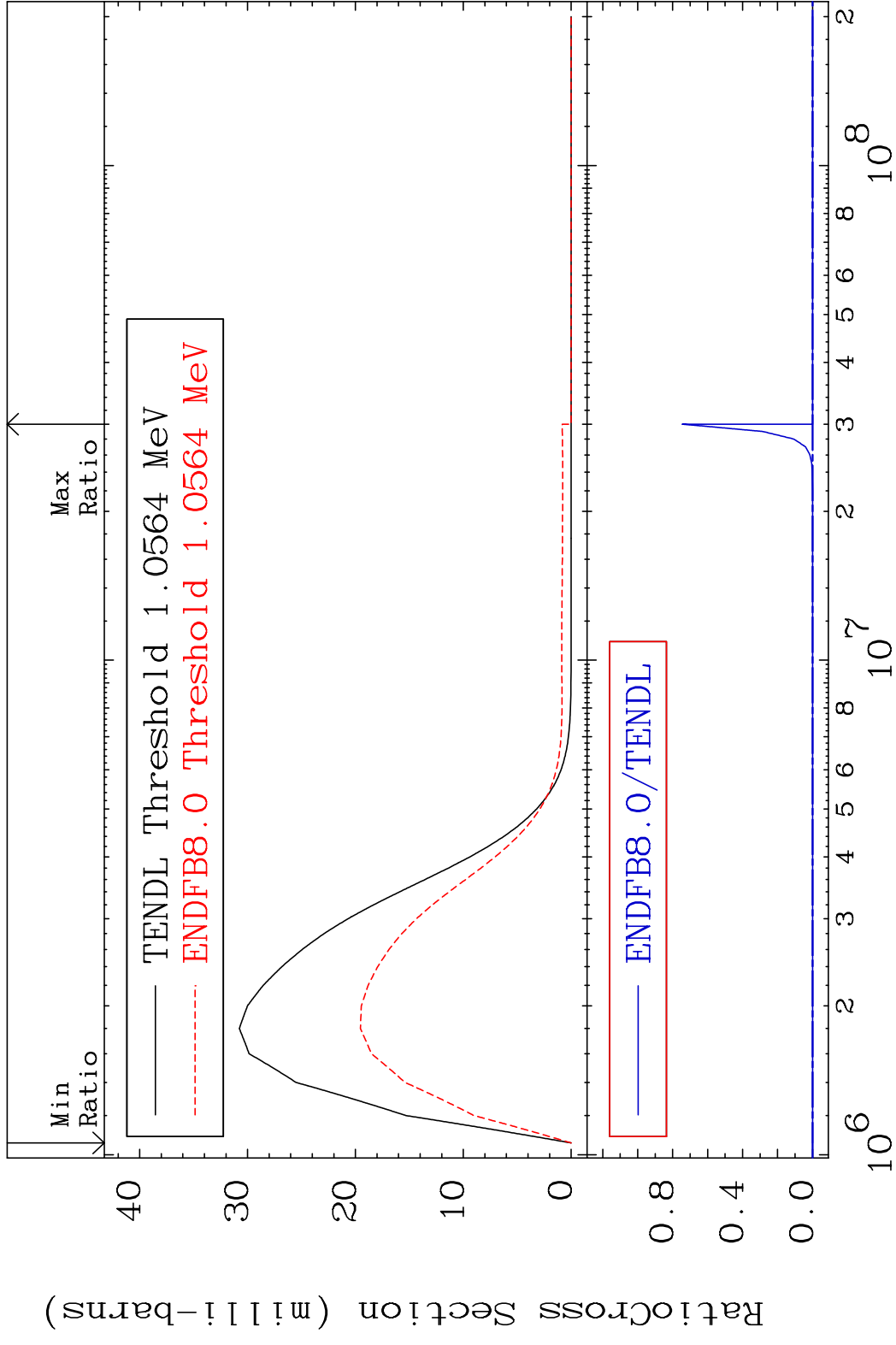
42 81-Tl-204

MAT 8128 MT= 75 (n,n') Level 81-Tl-204
 Cross Section -8.238 To 1.254 %



43 Incident Energy (eV) 81-Tl-204

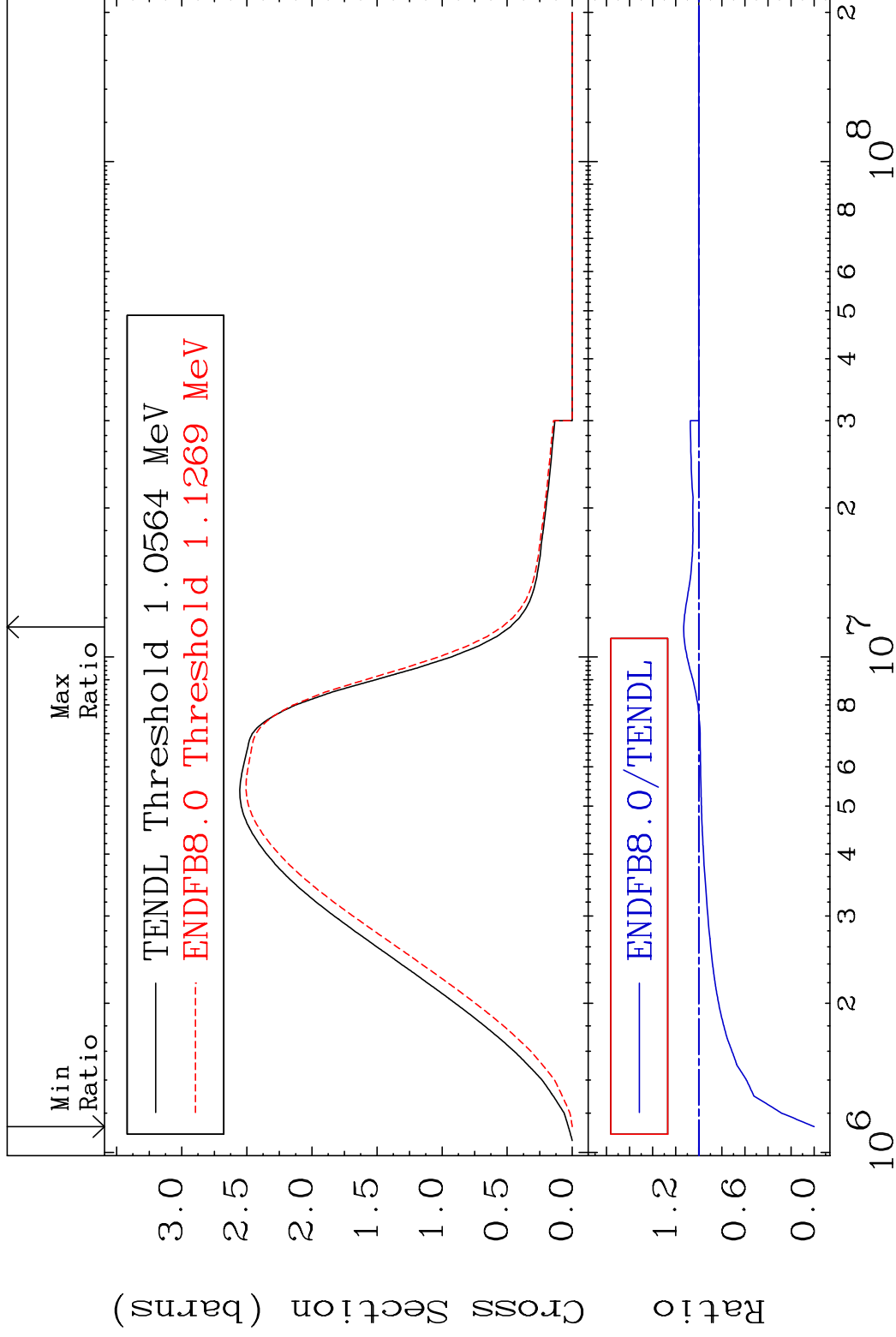
MAT 8128 MT= 76 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 9999. %



44 Incident Energy (eV) 81-Tl-204

MAT 8128

(n, n') Continuum 81-Tl-204
Cross Section -100.0 To 13.14 %



45

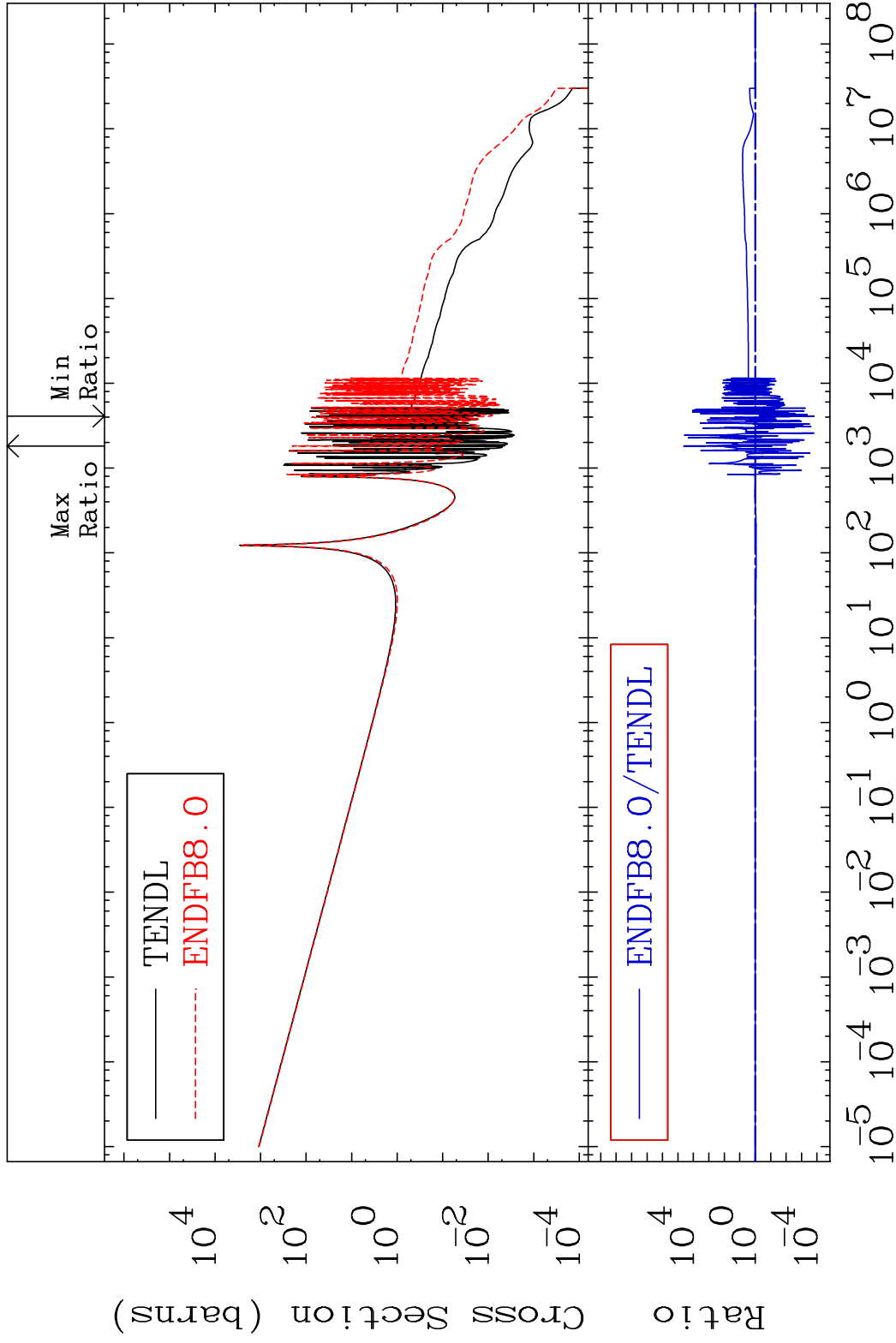
Incident Energy (eV)

81-Tl-204

MAT 8128

(n, γ)
Cross Section -99.98 To 9999. %

81-T1-204



46

Incident Energy (eV)

81-T1-204

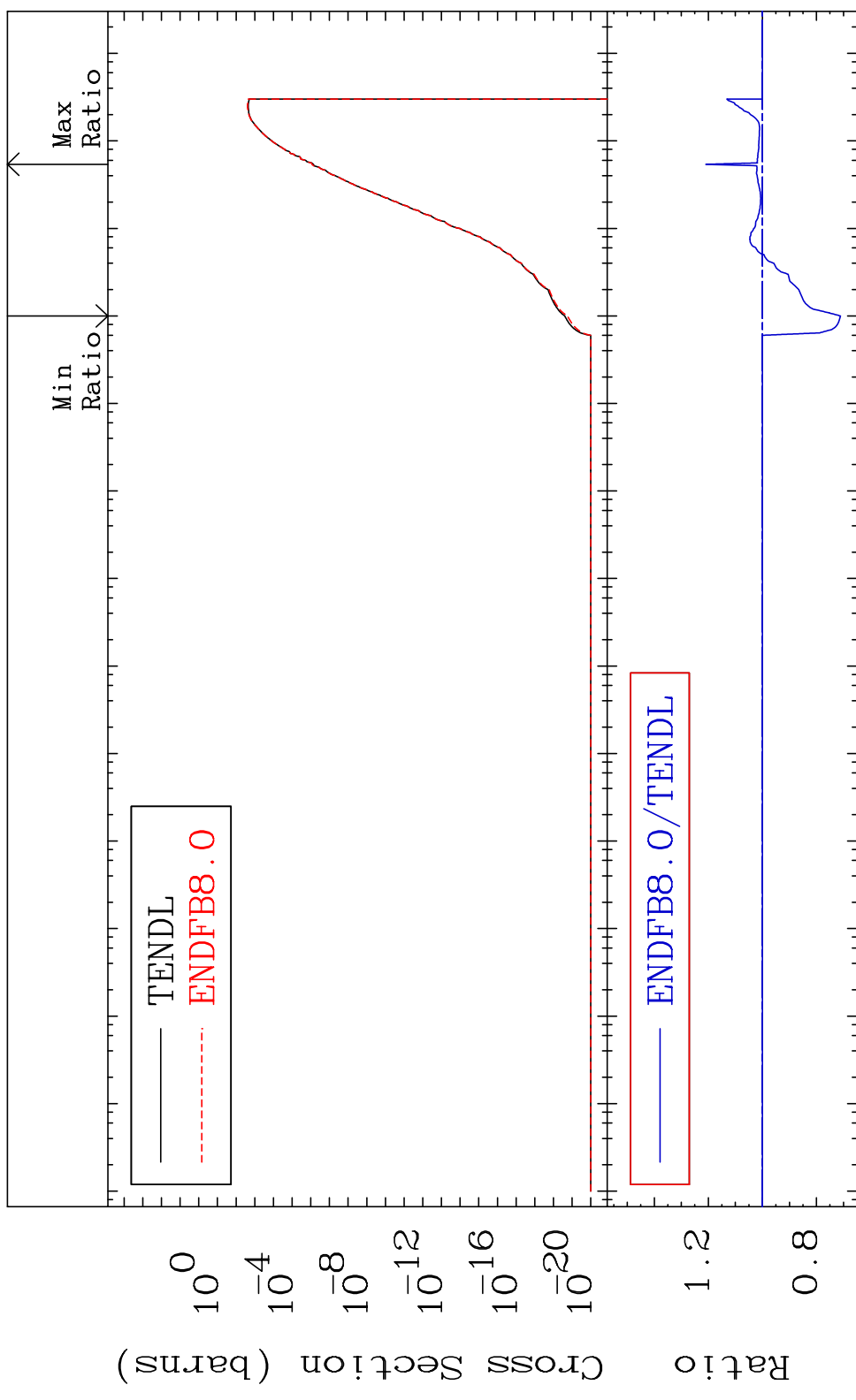
MAT 8128

(n, p)

81-Tl-204

Cross Section

-28.87 To 20.95 %

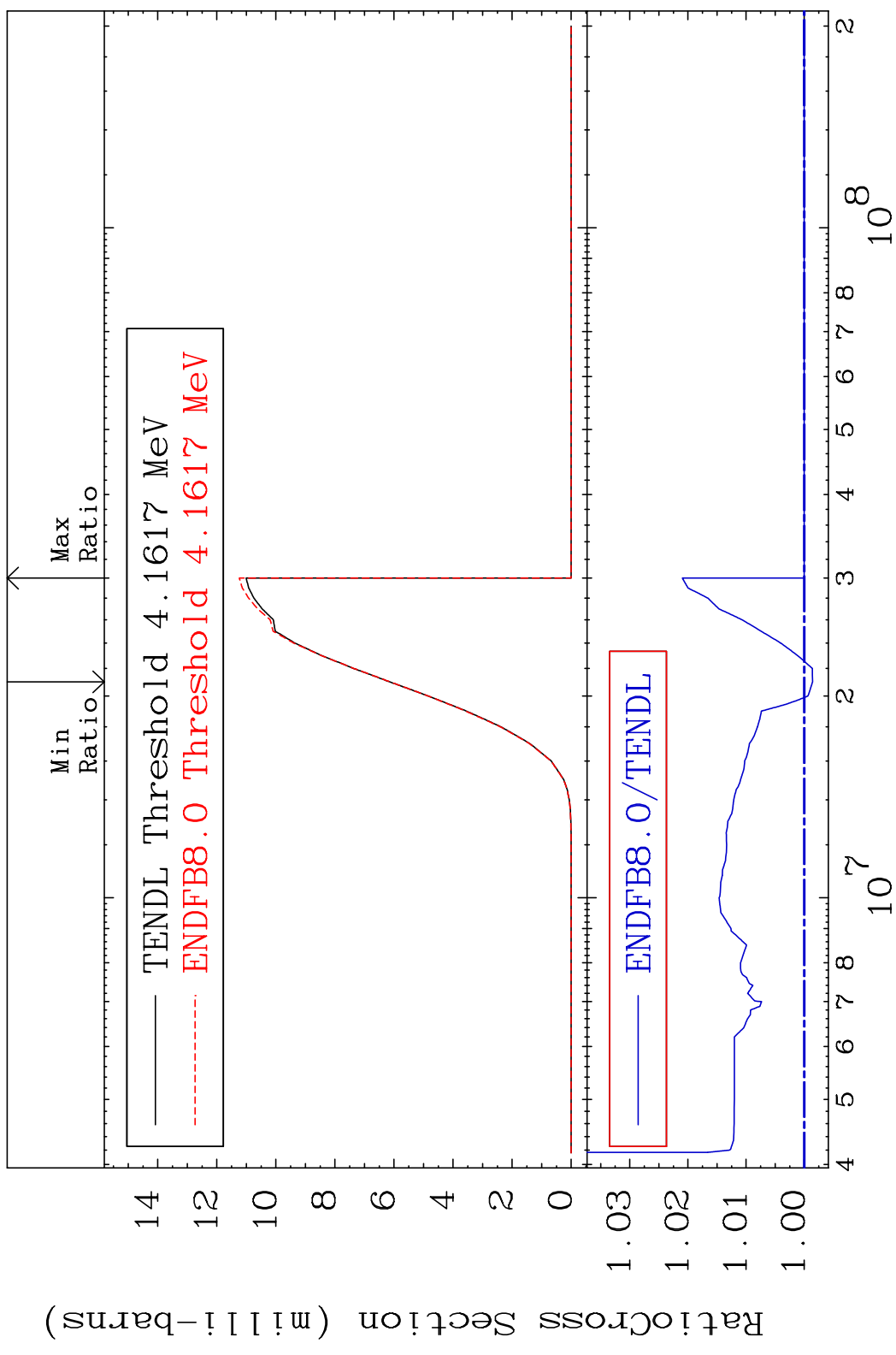


MAT 8128

(n, d)

81-Tl-204

Cross Section -0.143 To 2.096 %

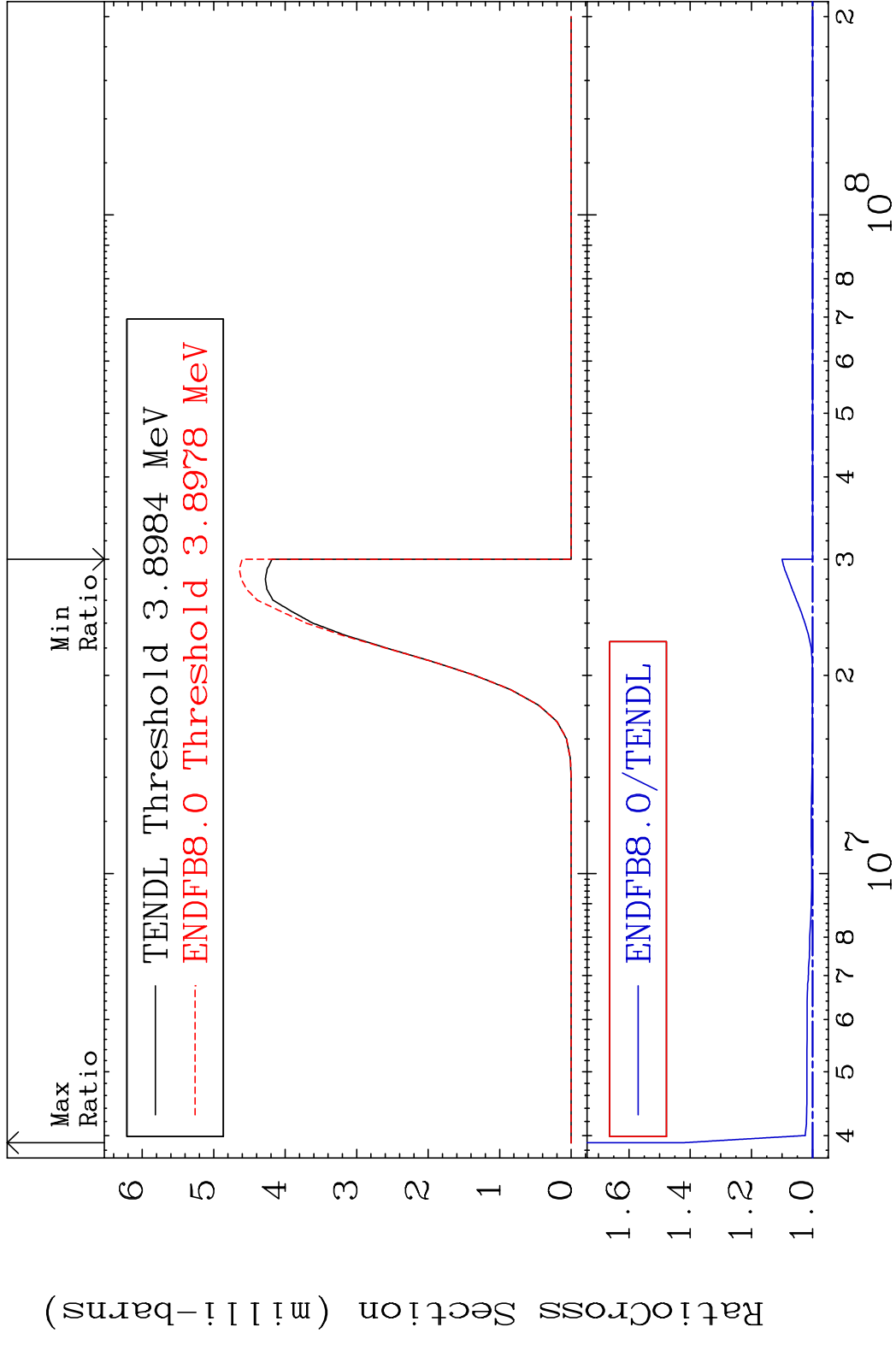


MAT 8128

(n, t)

81-Tl-204

Cross Section 0.000 To 42.57 %

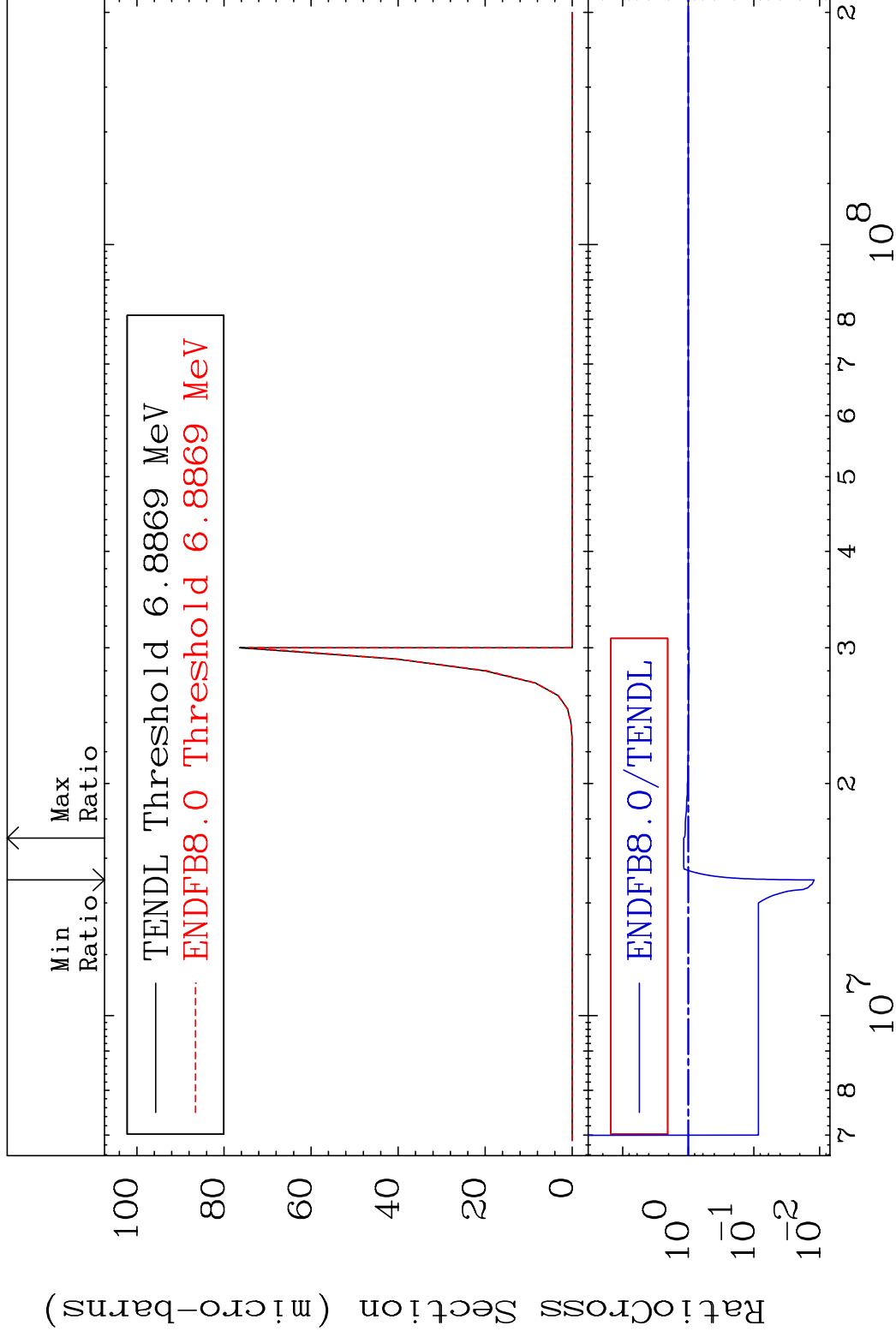


MAT 8128

(n, He-3)

81-Tl-204

Cross Section -98.79 To 17.55 %



50

Incident Energy (eV)

81-Tl-204

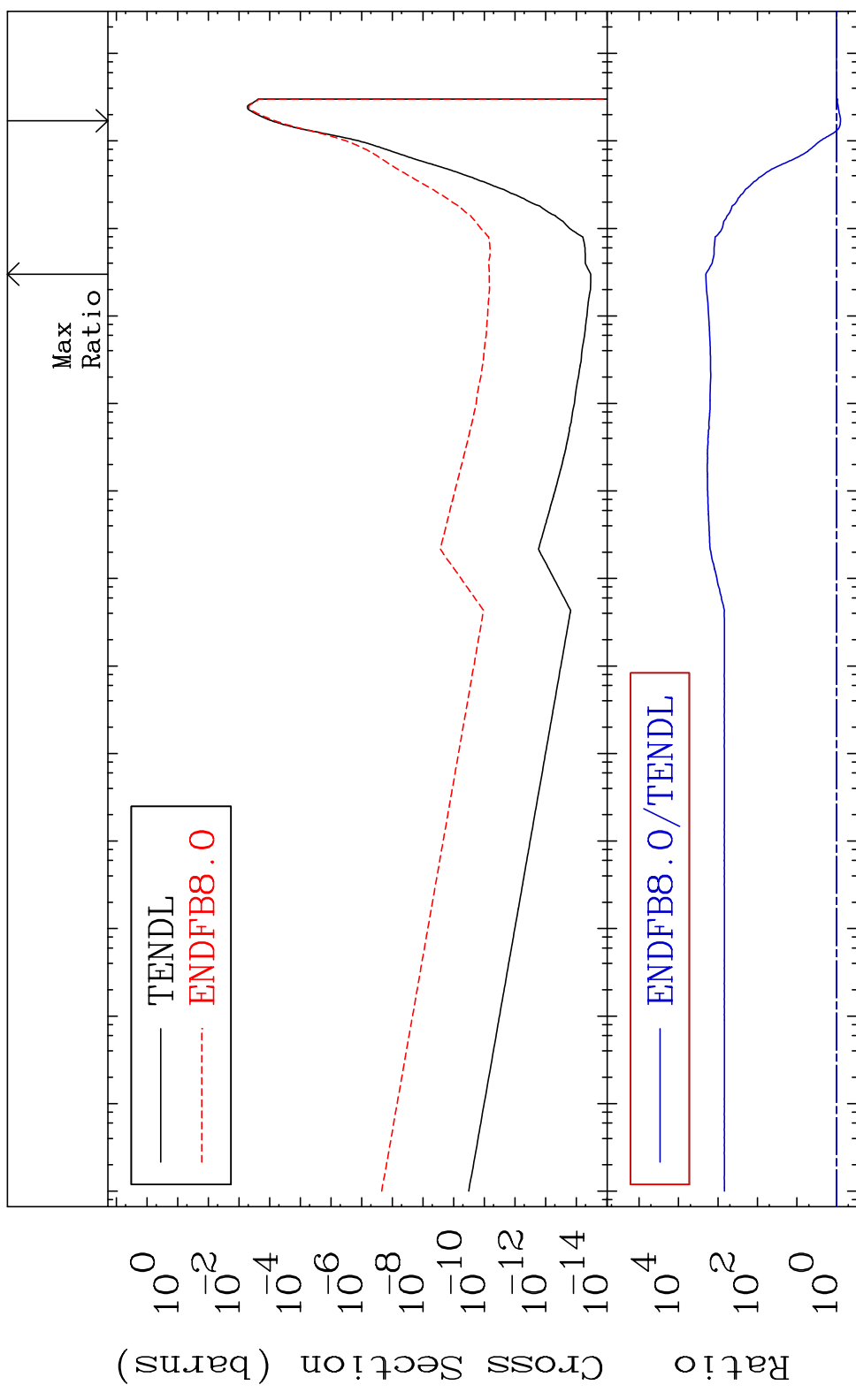
MAT 8128

(n, α)

81-T1-204

Cross Section

-20.95 To 9999. %

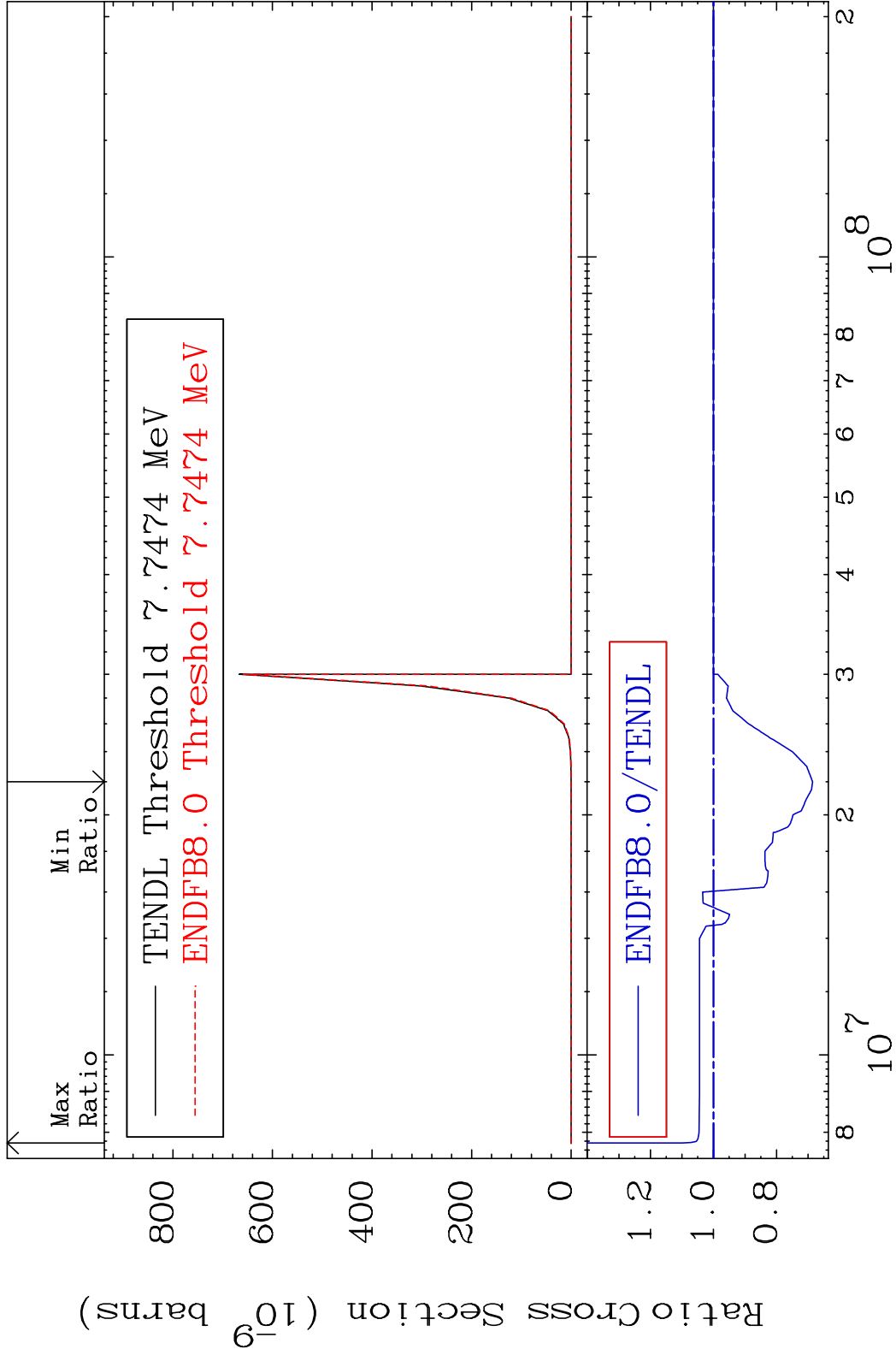


MAT 8128

(n,2p)

81-Tl-204

Cross Section -31.45 To 9.884 %

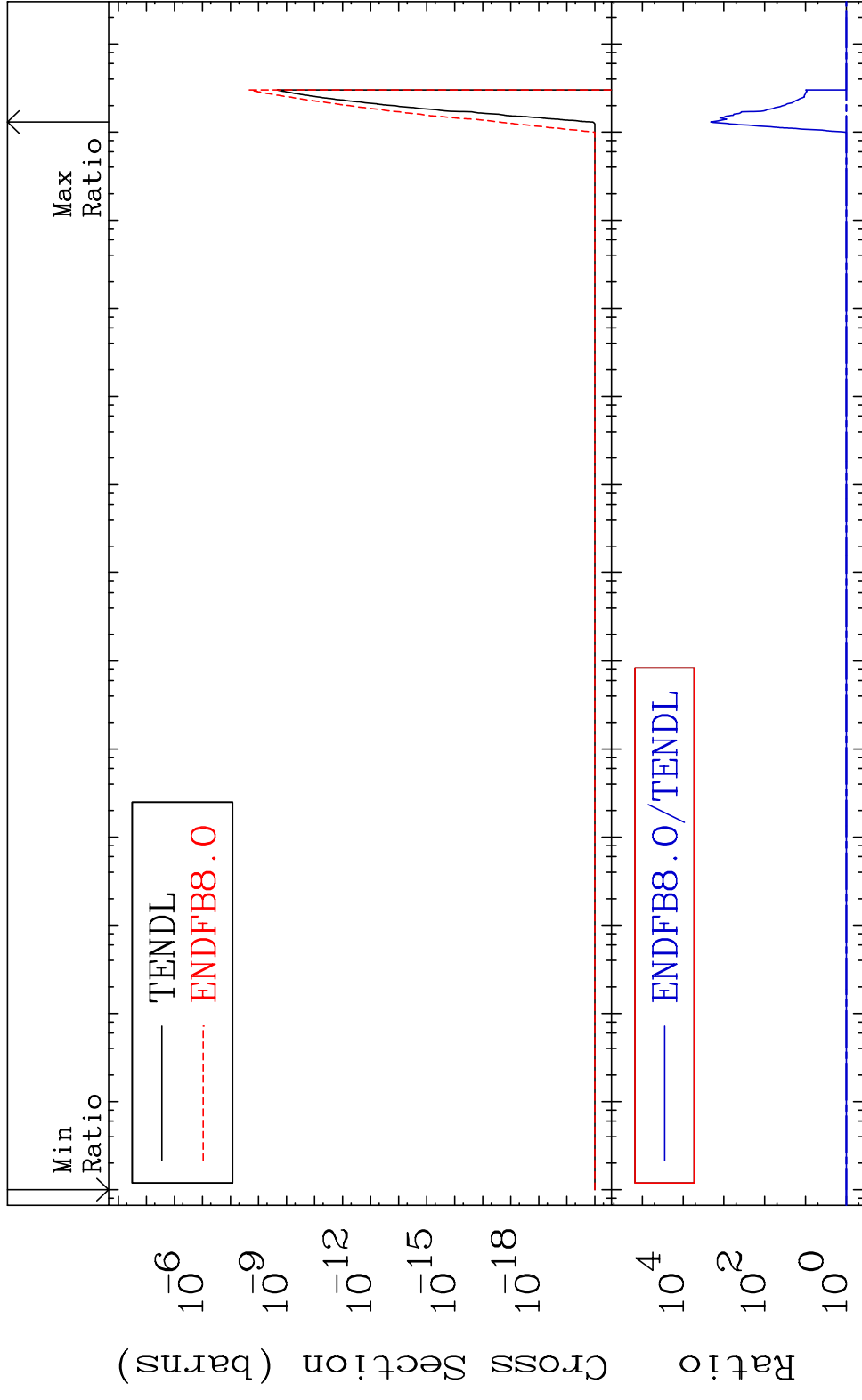


MAT 8128

(n,p) α

81-Tl-204

Cross Section 0.000 To 9999. %

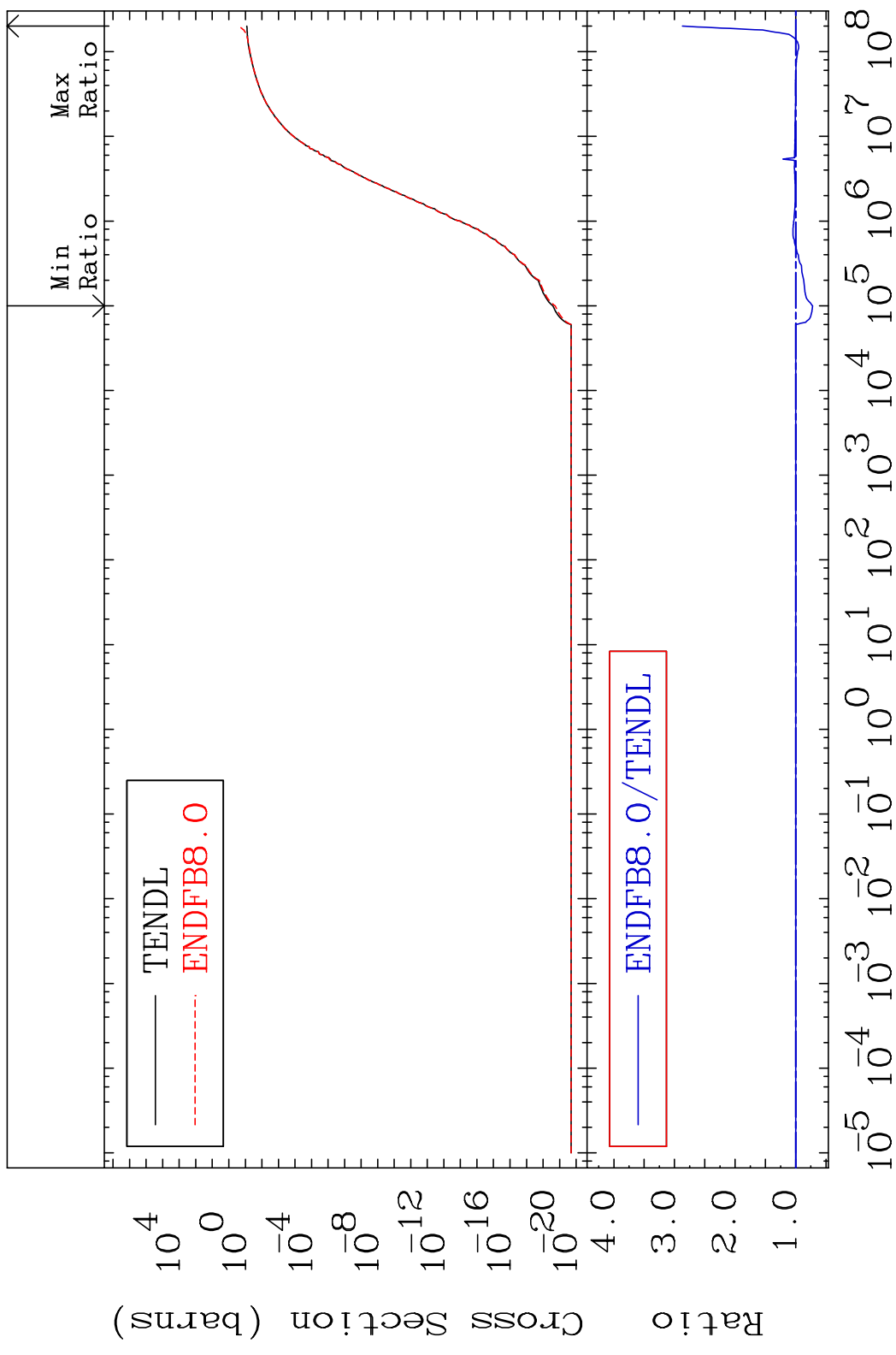


MAT 8128

Hydrogen Production

81-T1-204

Cross Section -27.75 To 187.0 %

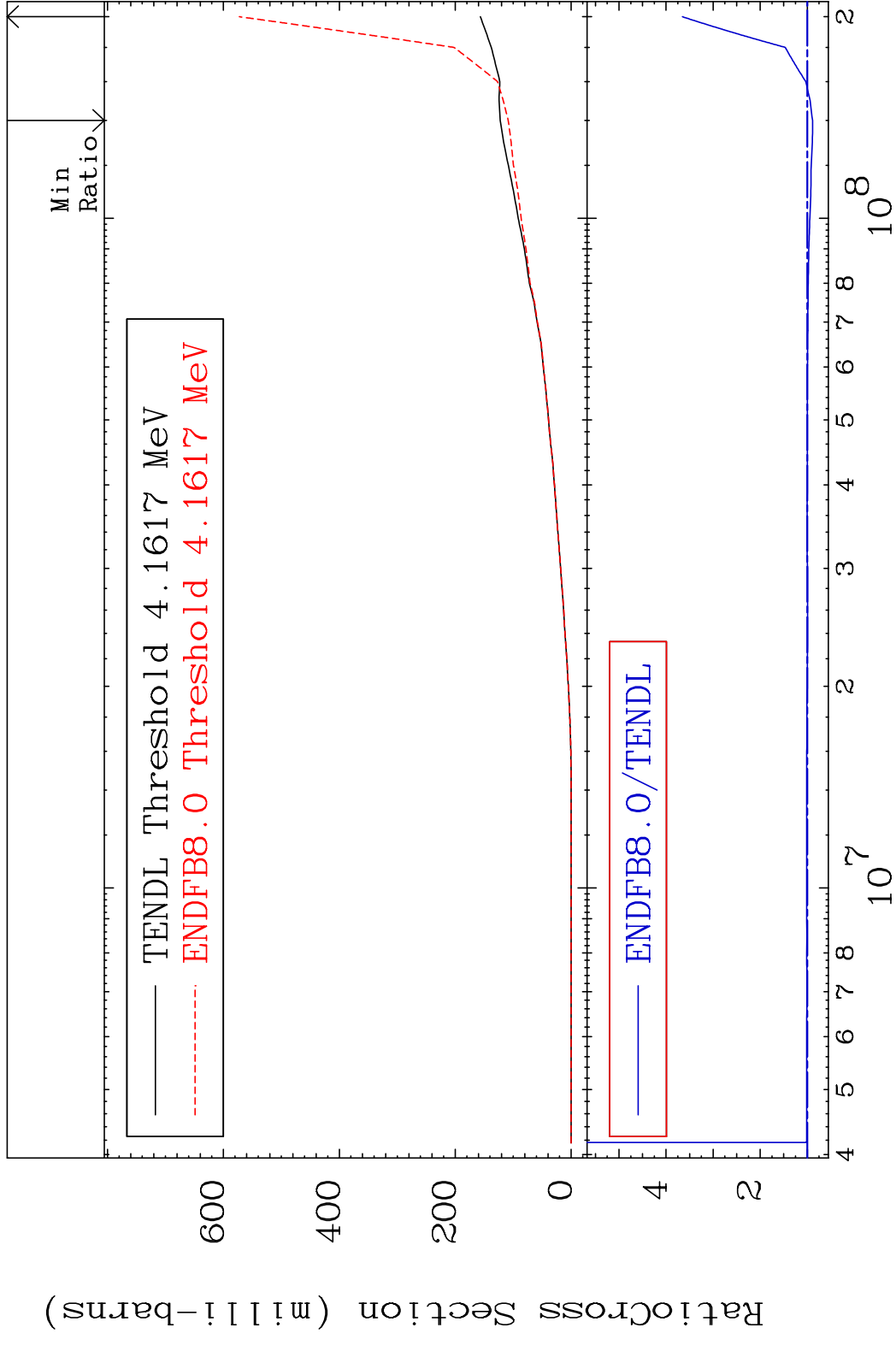


MAT 8128

Deuterium Production

81-T1-204

Cross Section -11.23 To 265.4 %



55

Incident Energy (eV)

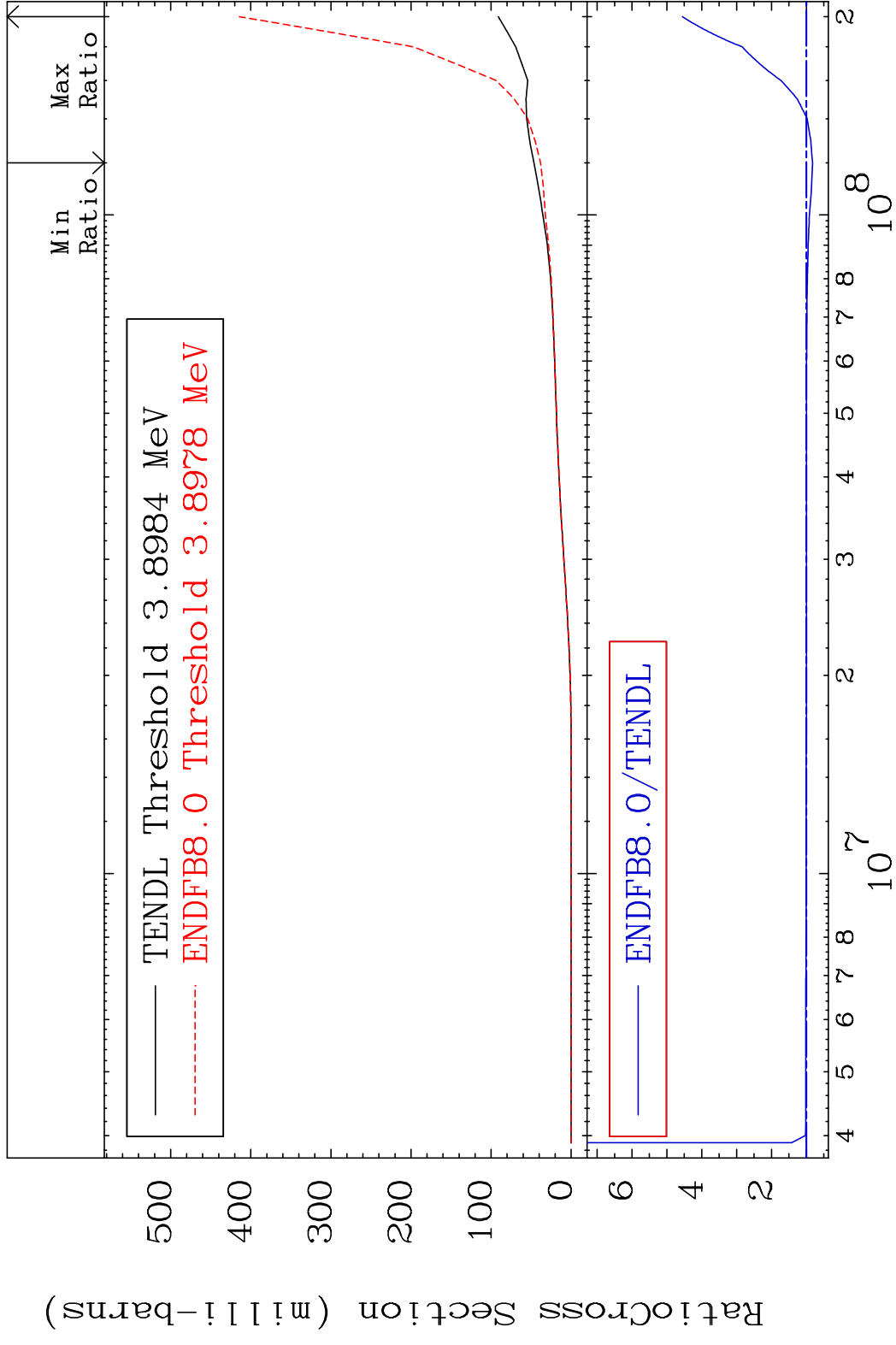
81-T1-204

MAT 8128

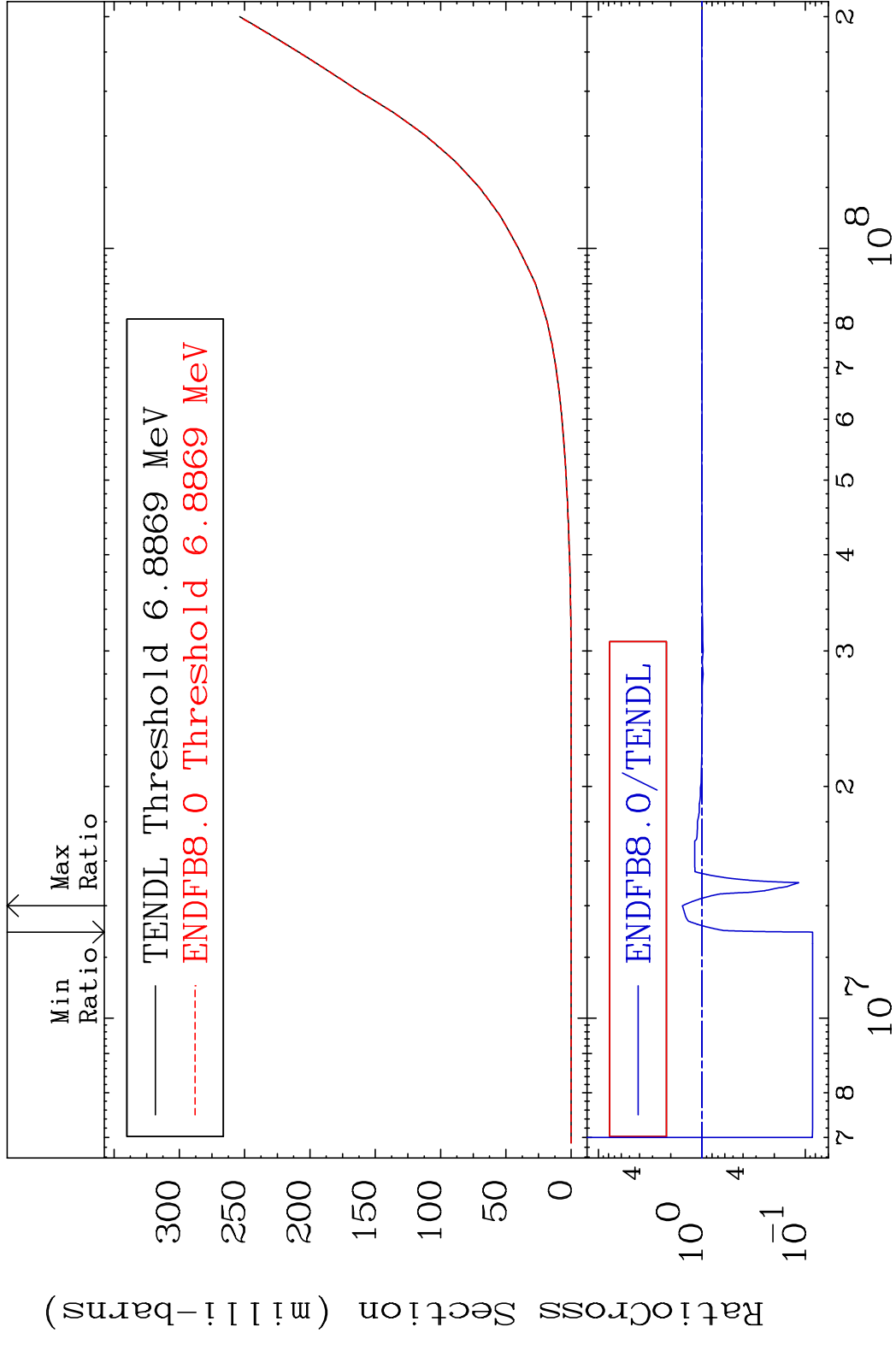
Tritium Production

81-Tl-204

Cross Section -17.75 To 355.6 %



Cross Section -91.47 To 54.50 %

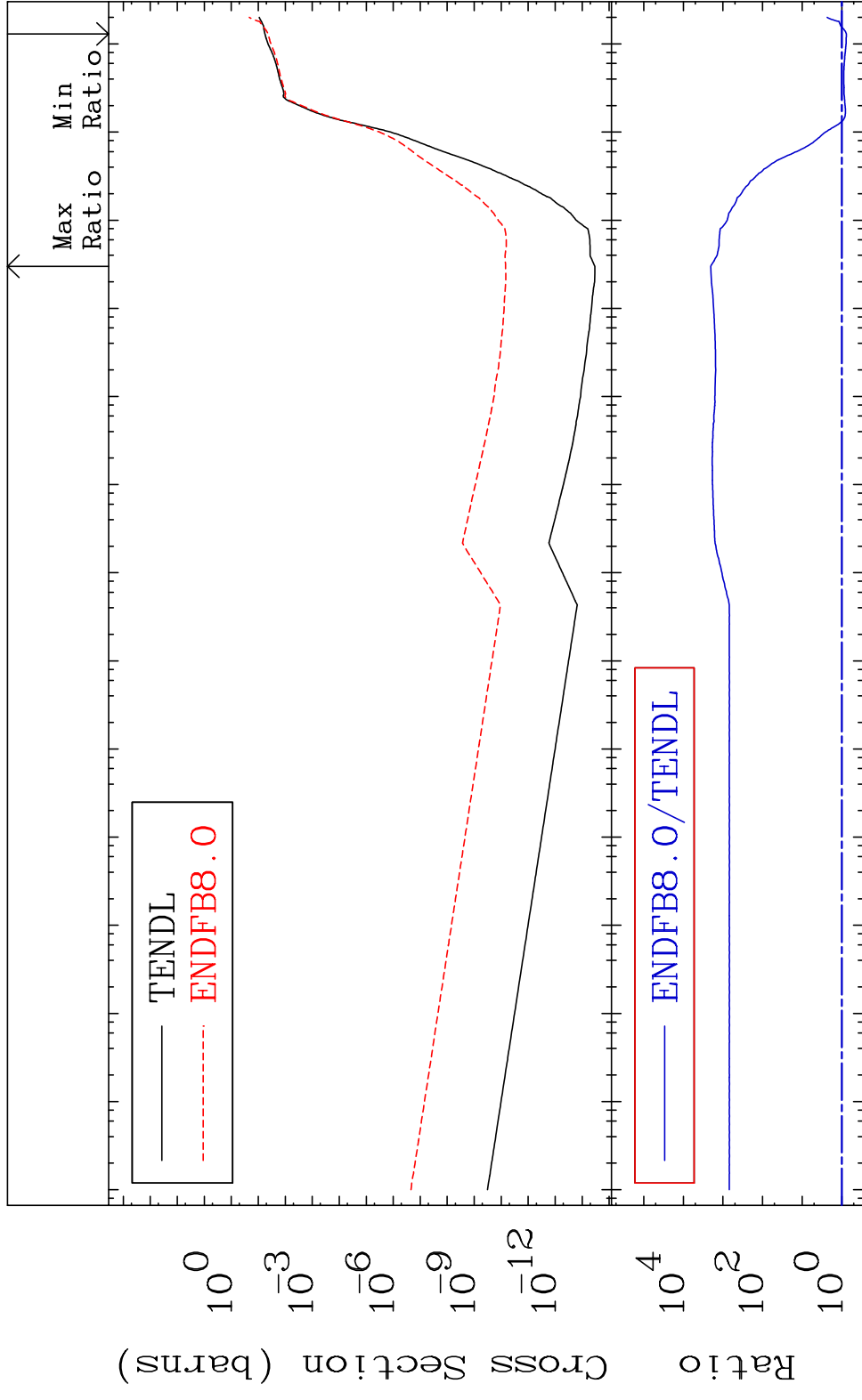


MAT 8128

He-4 Production

81-T1-204

Cross Section -23.34 To 9999. %

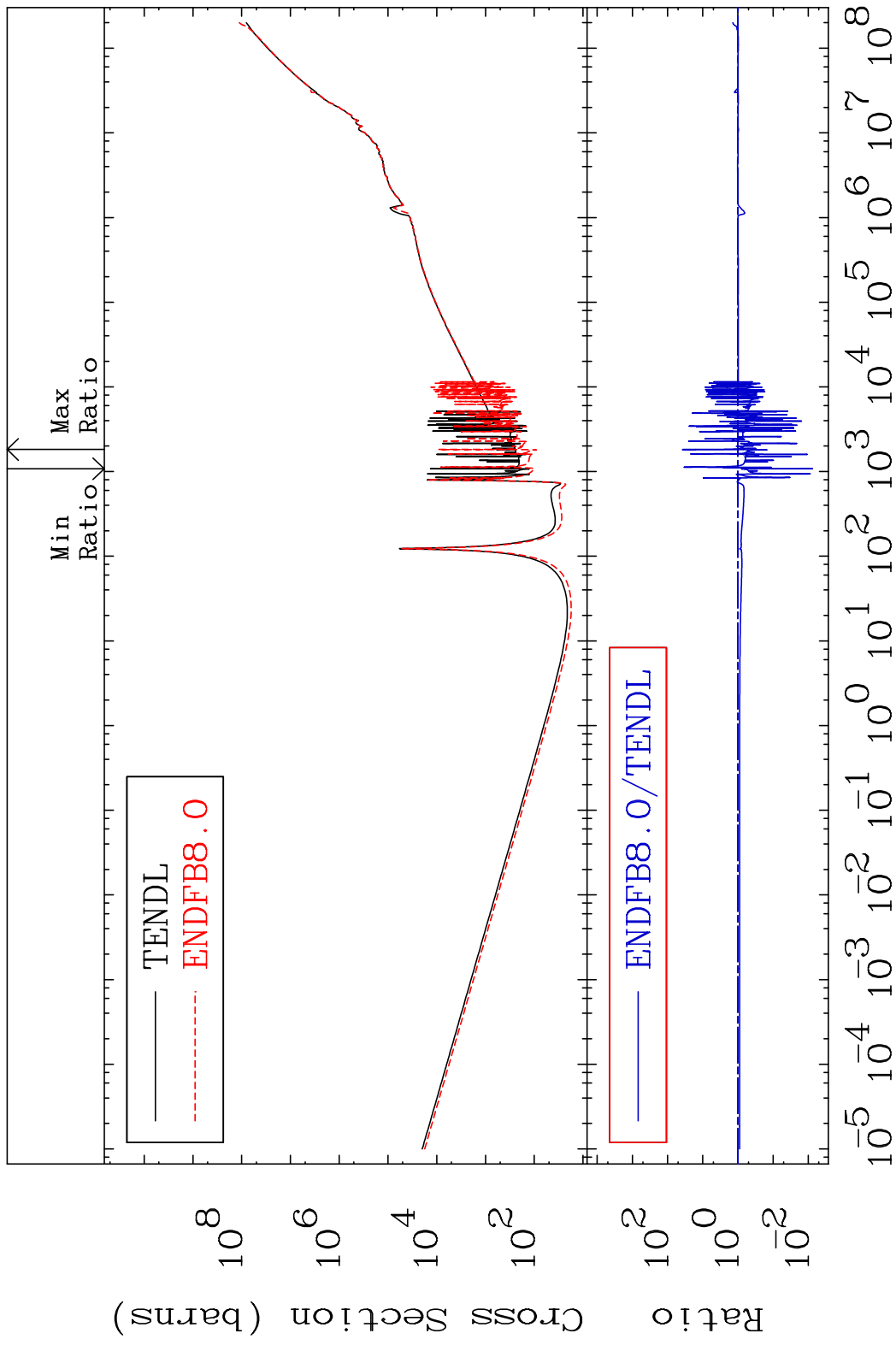


58

Incident Energy (eV)

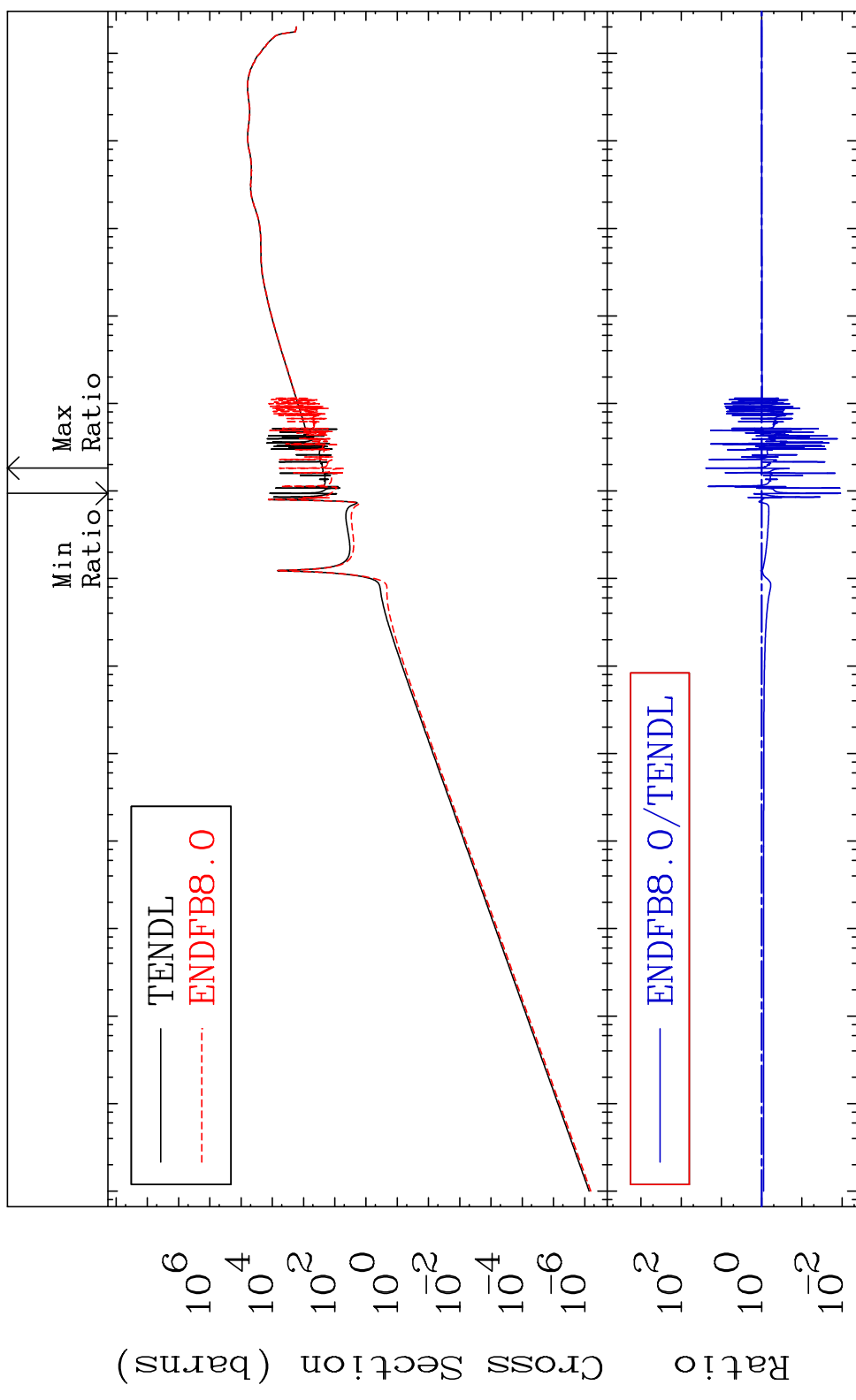
81-T1-204

MAT 8128 Kerma total (eV-barns) 81-Tl-204
 Cross Section -99.25 To 3694. %



MAT 8128

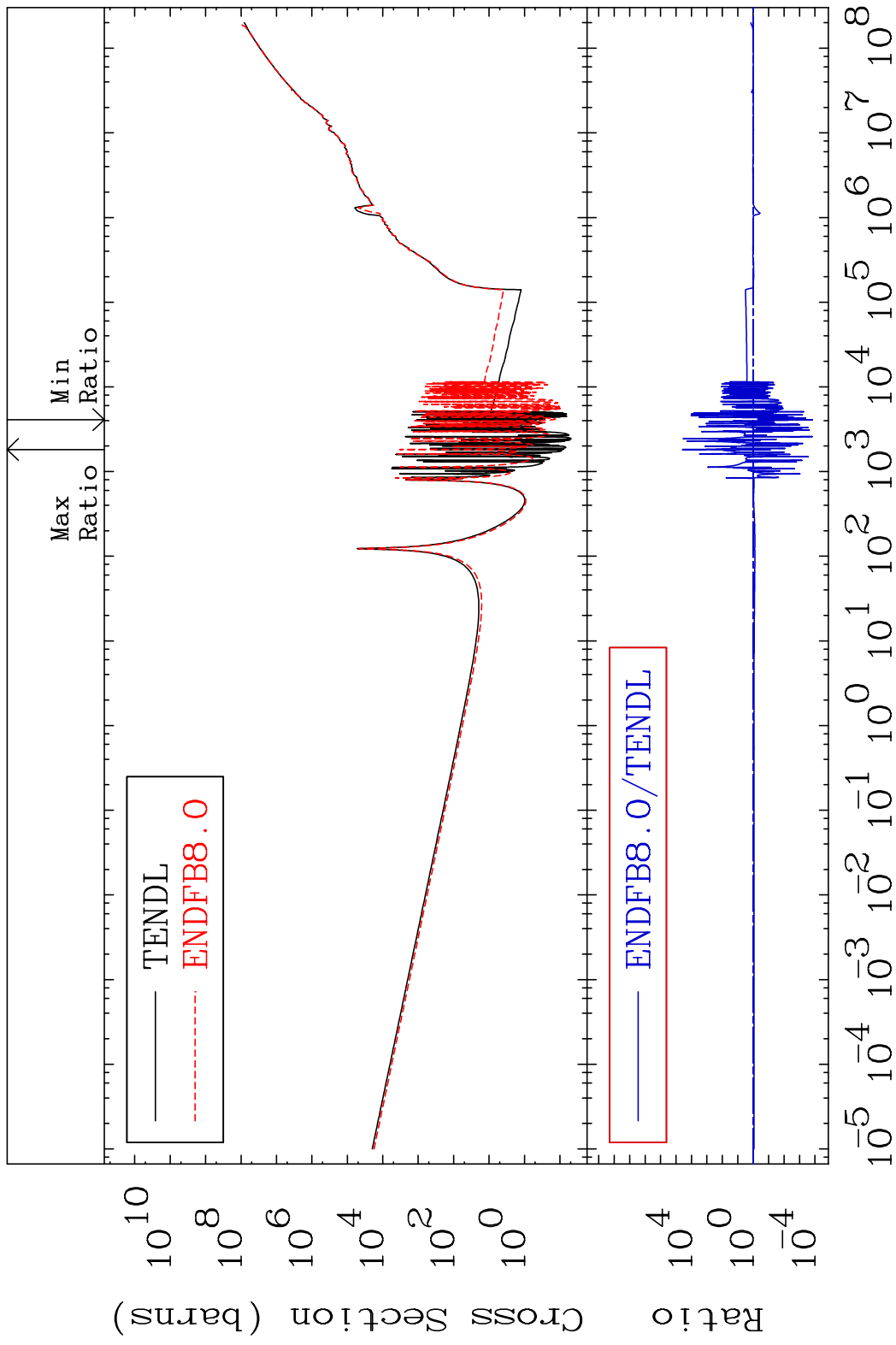
Kerma elastic Cross Section -98.90 To 2346. %
81-Tl-204



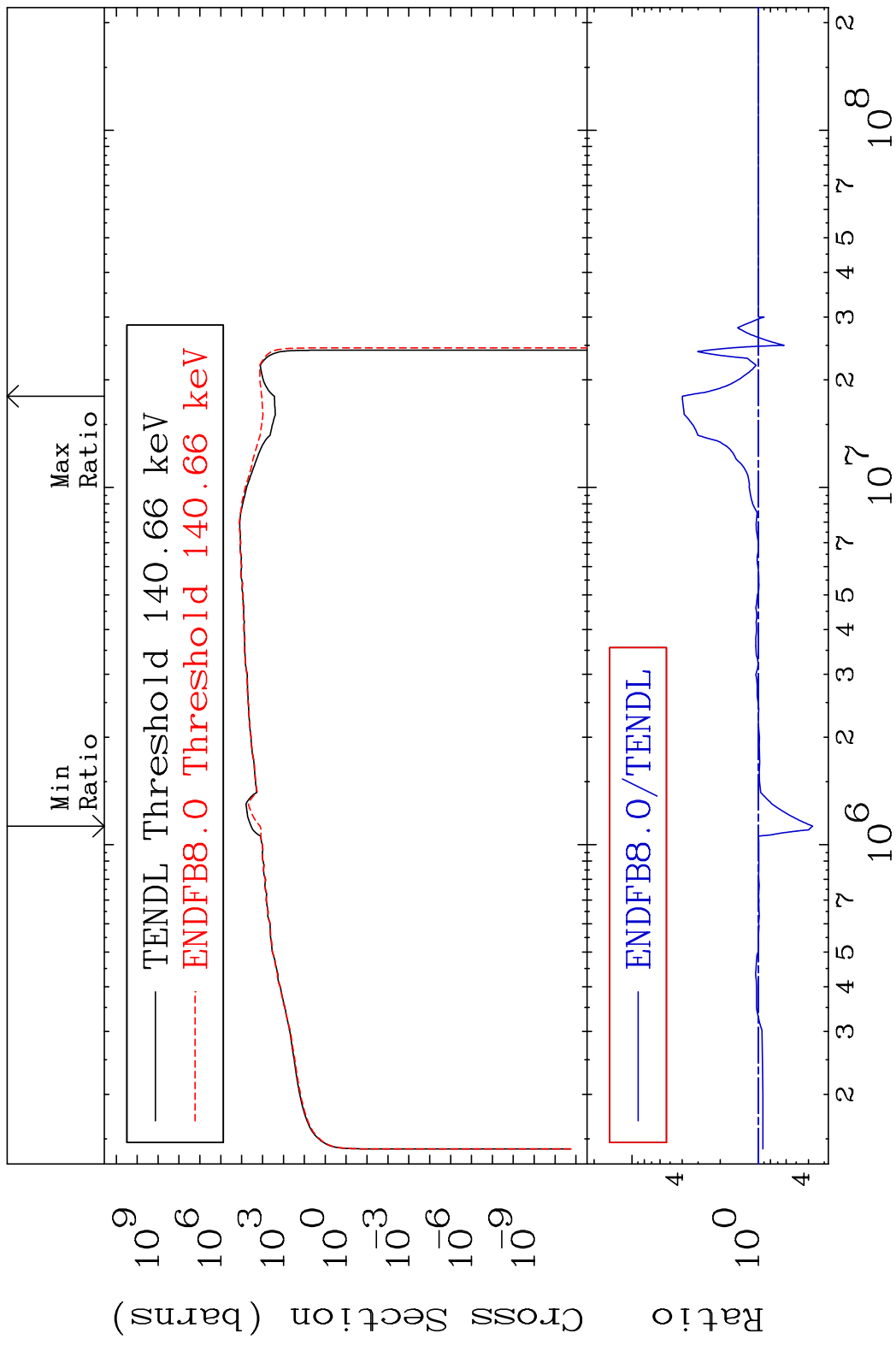
60

Incident Energy (eV) 81-Tl-204

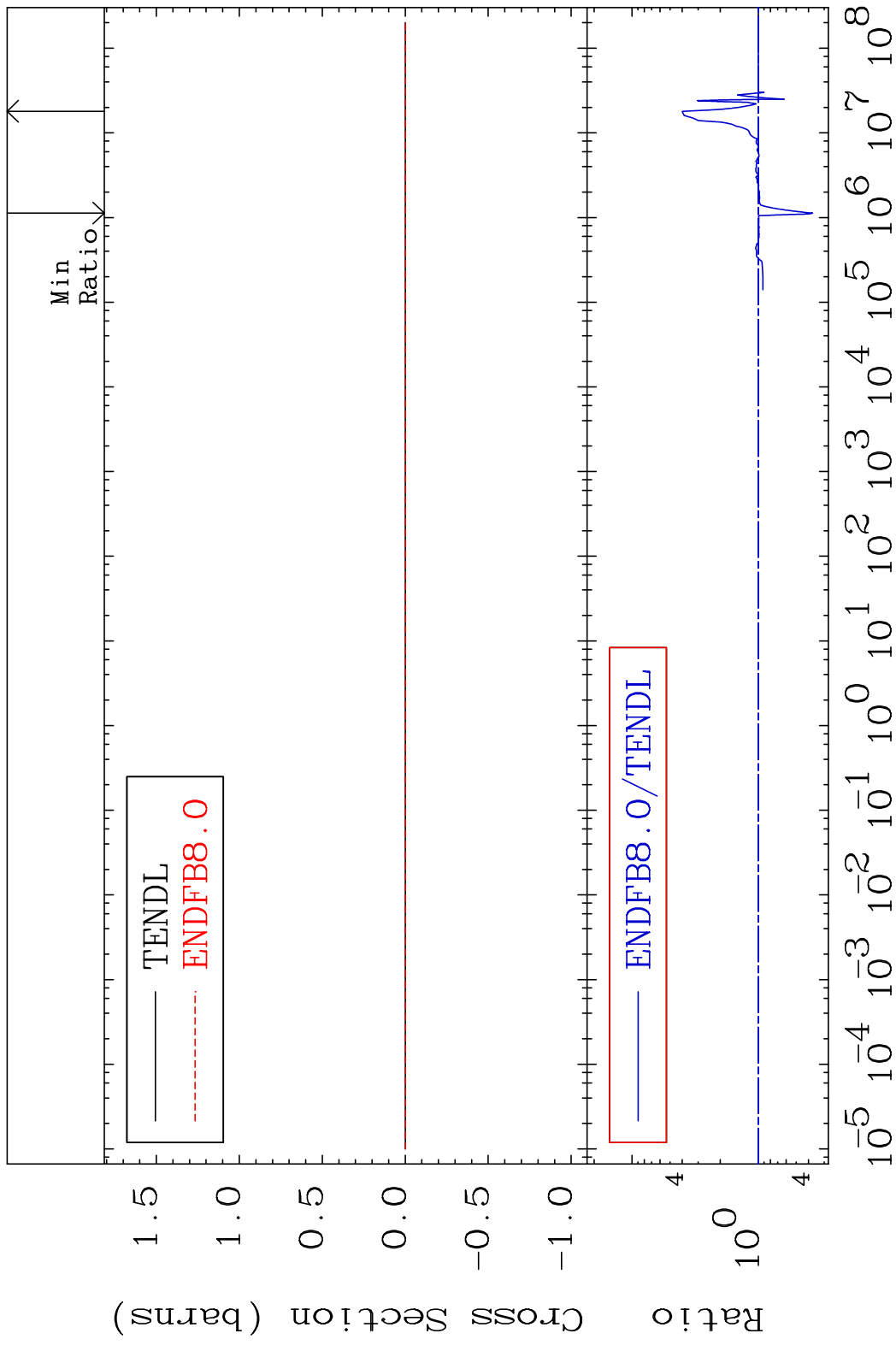
MAT 8128 Kerma non-elastic (all but mt2) 81-Tl-204
 Cross Section -99.99 To 9999. %

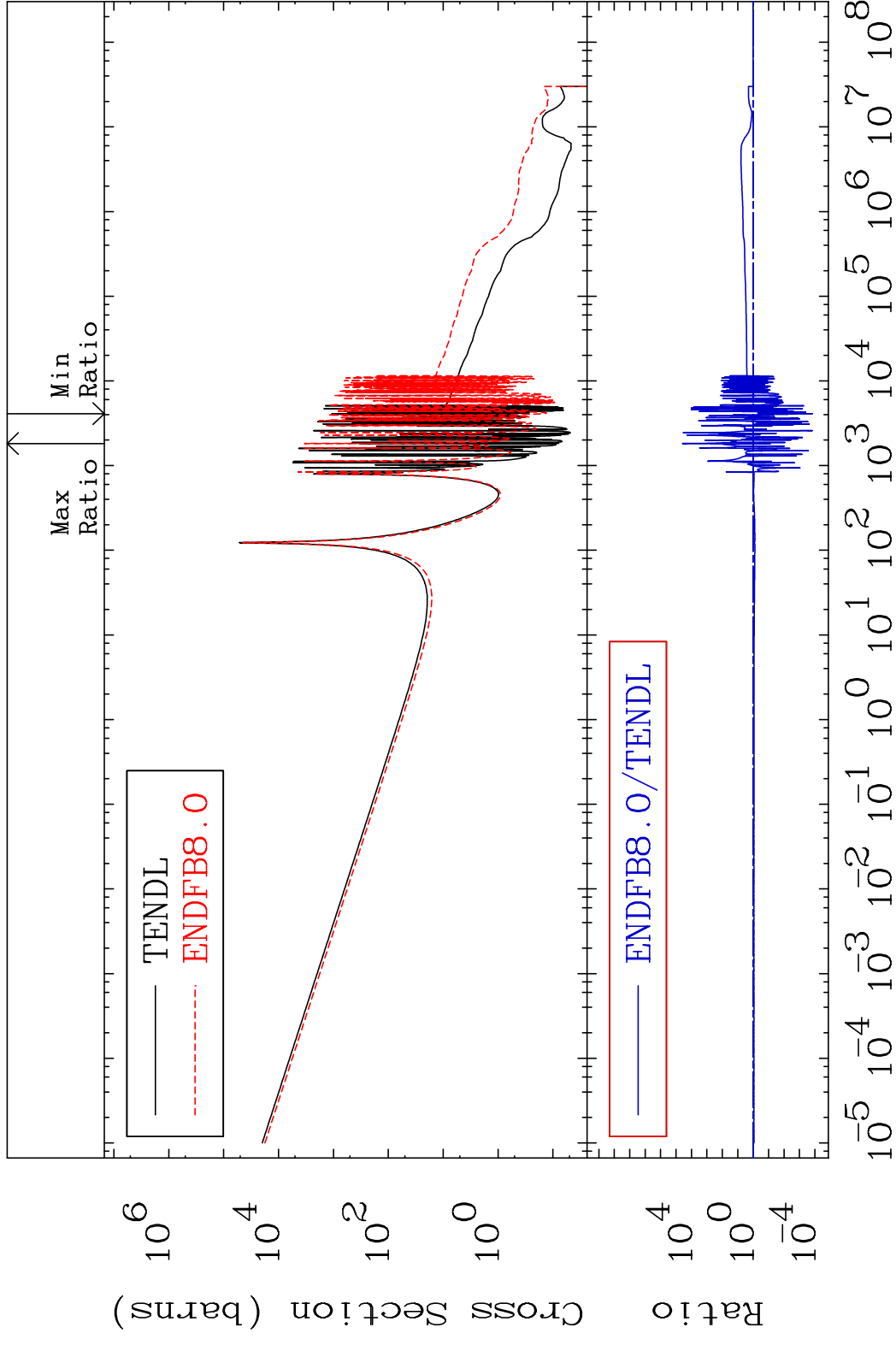


MAT 8128 Kerma inelastic (mt51-91) 81-Tl-204
 Cross Section -62.87 To 299.4 %

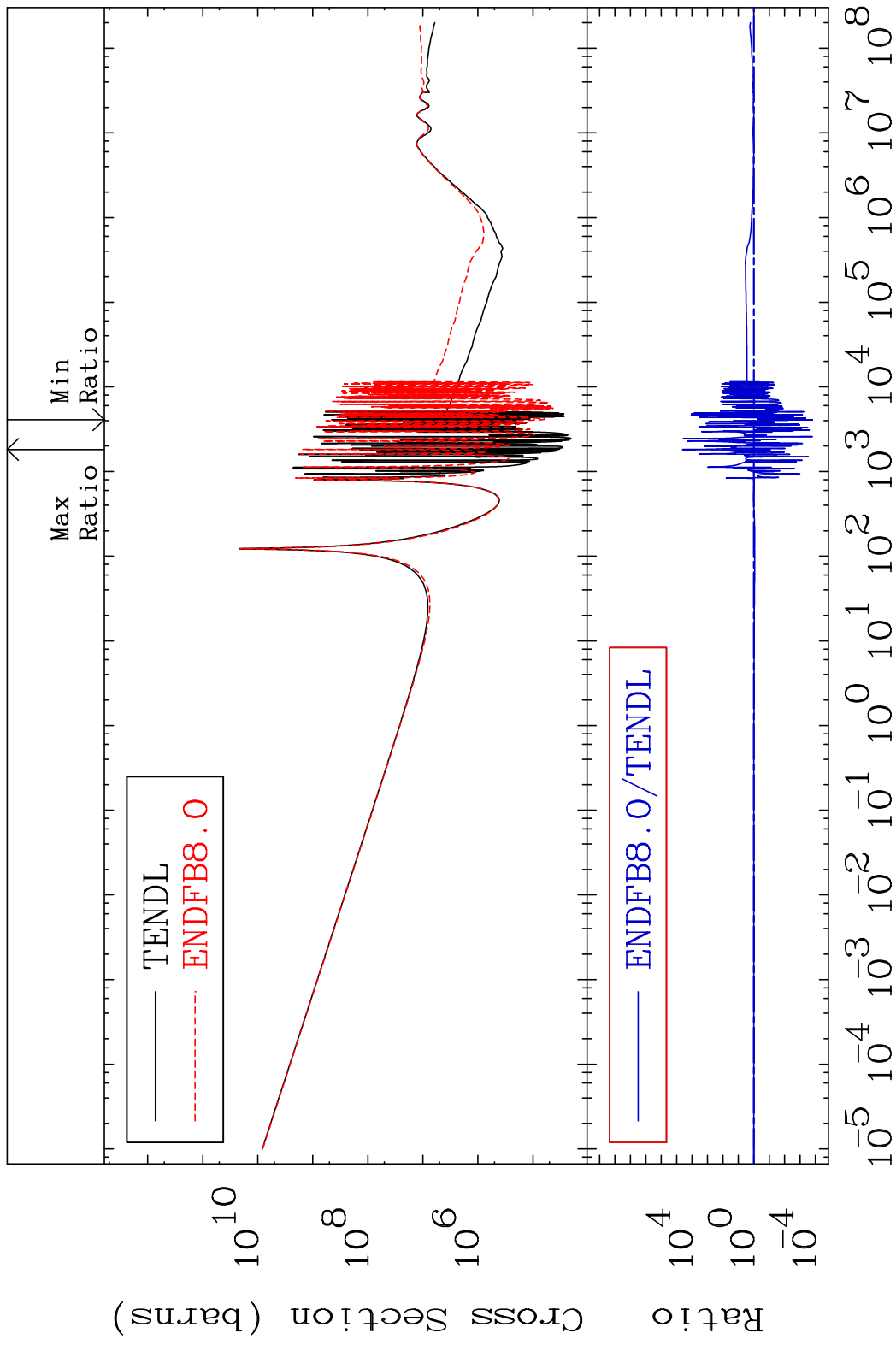


MAT 8128 Kerma fission (mt18 or mt19-20-21-38) 81-Tl-204
 Cross Section -62.87 To 299.4 %



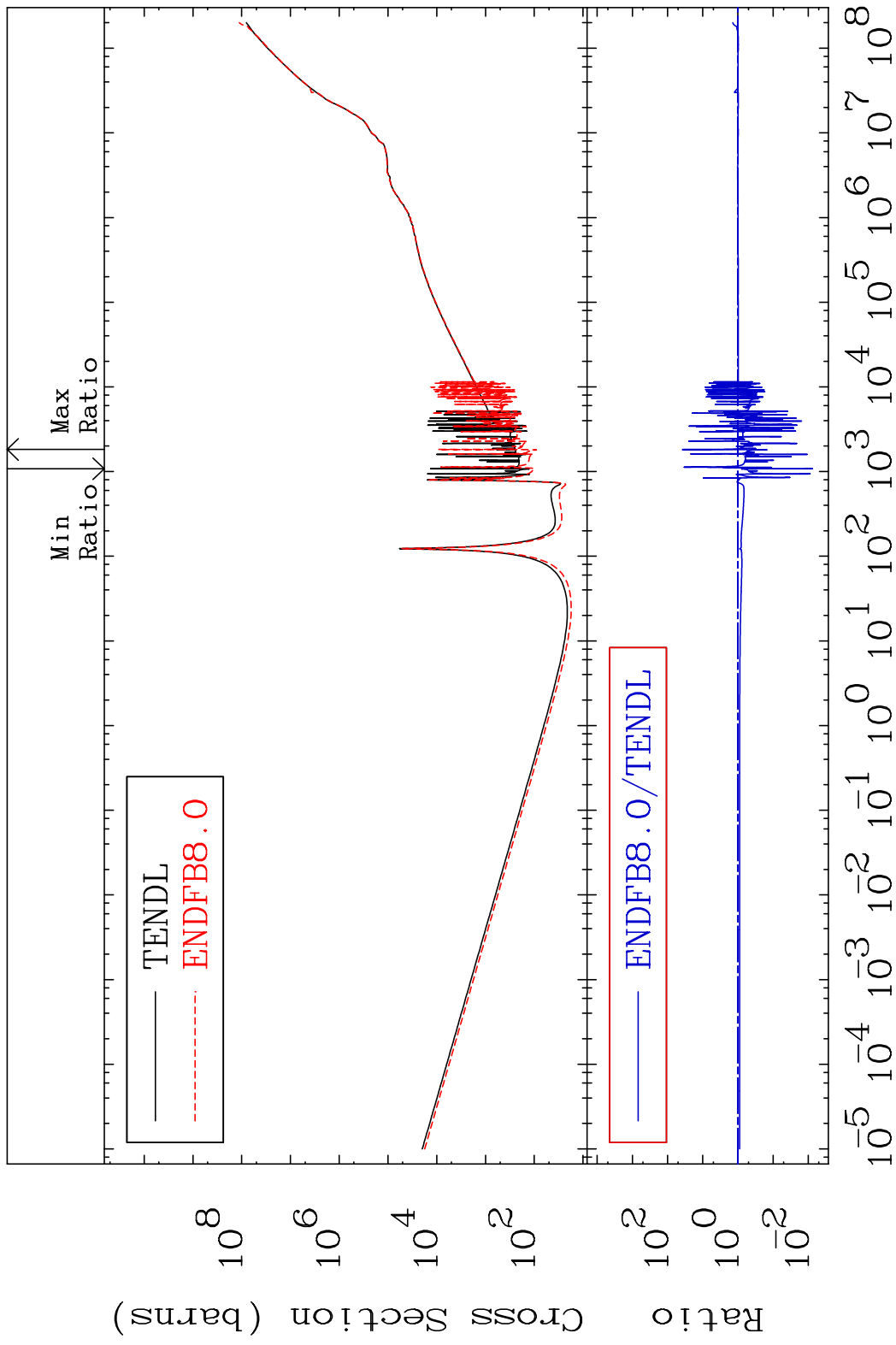


MAT 8128 Total photon (eV-barns) 81-Tl-204
 Cross Section -99.98 To 9999. %



65 Incident Energy (eV) 81-Tl-204

MAT 8128 Total kinematic kerma (high limit) 81-T1-204
 Cross Section -99.25 To 3694. %

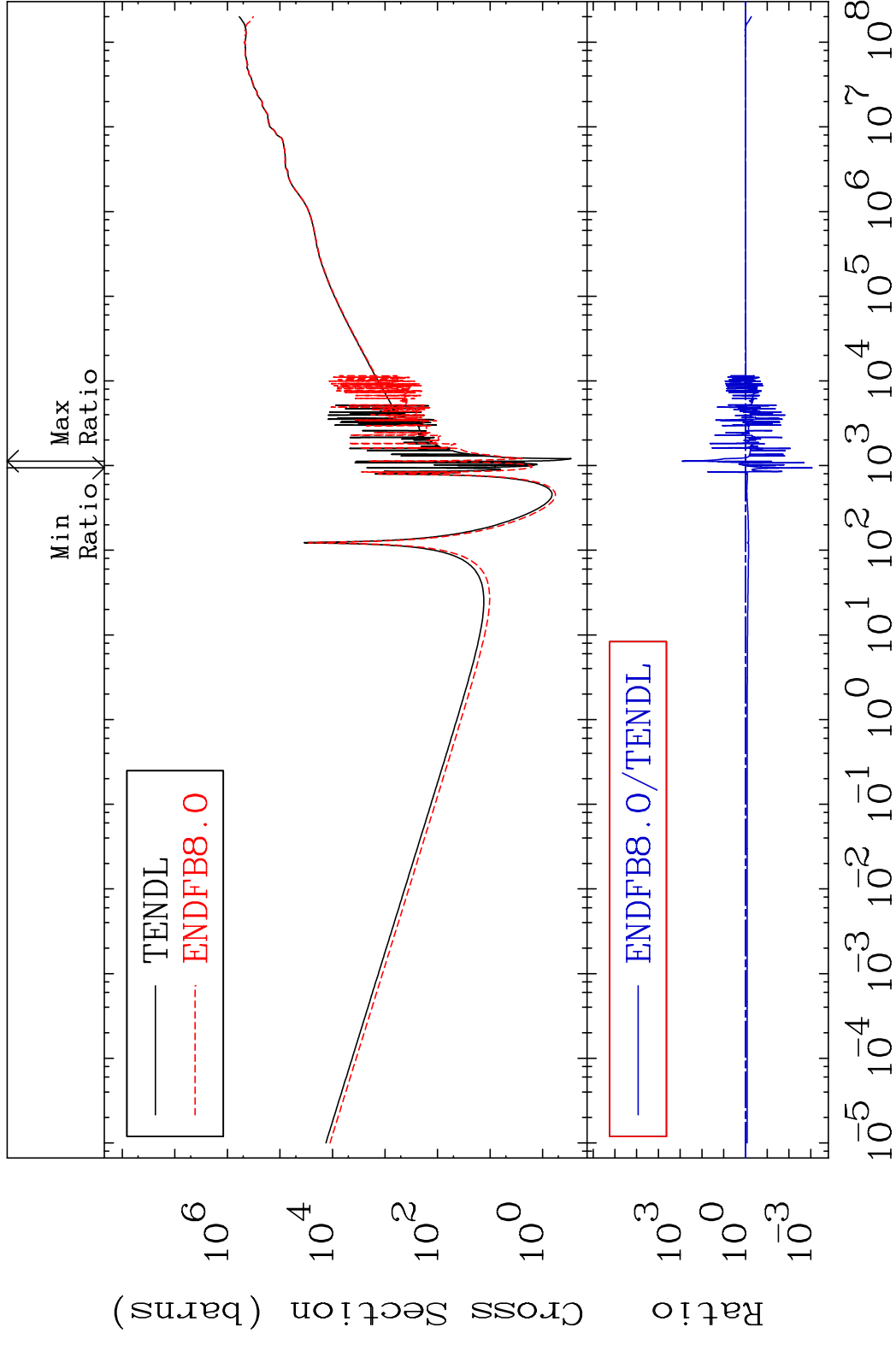


MAT 8128

Dpa total (eV-barns)

81-T1-204

Cross Section -99.92 To 9999. %



67

Incident Energy (eV)

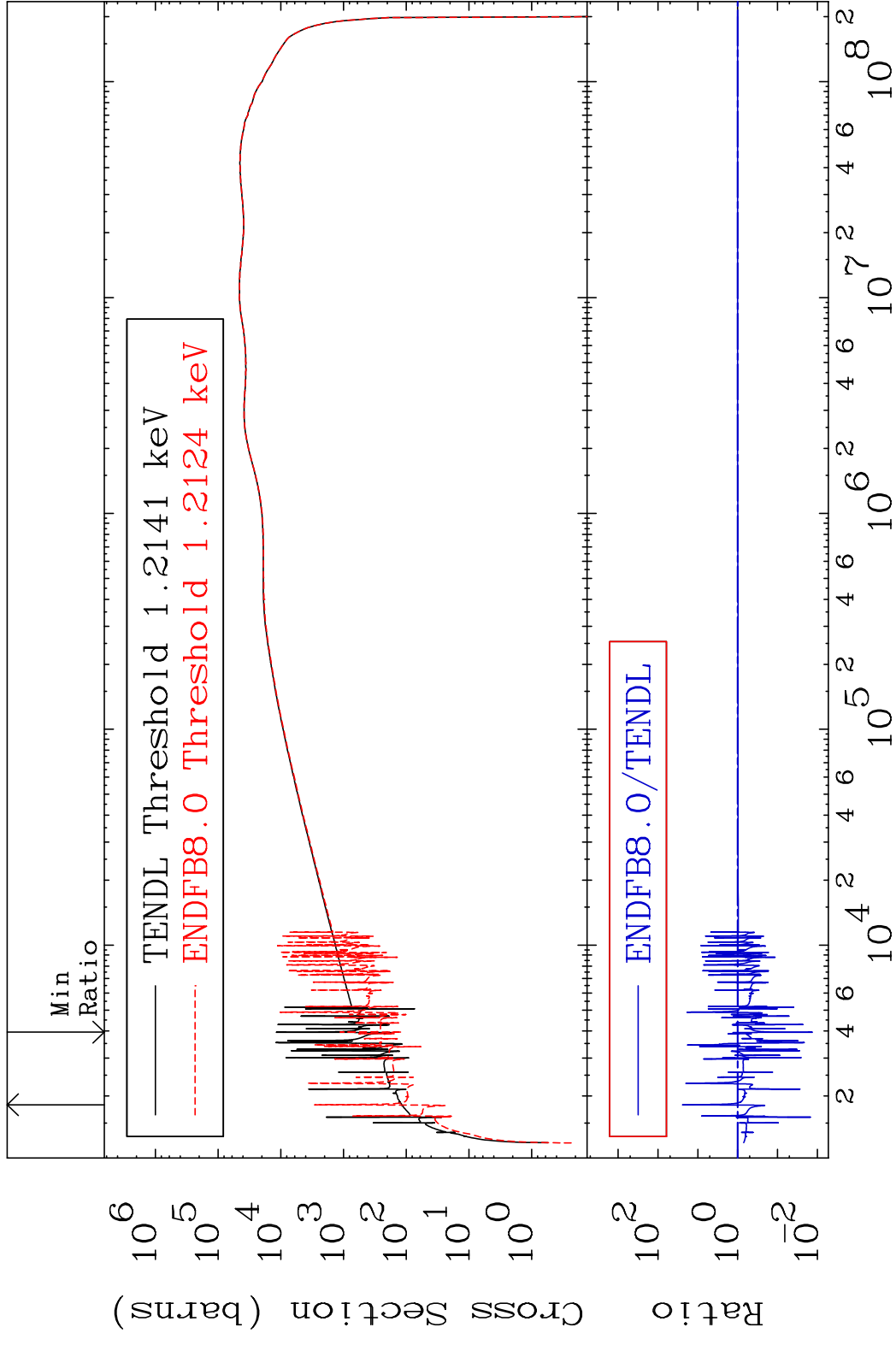
81-T1-204

MAT 8128

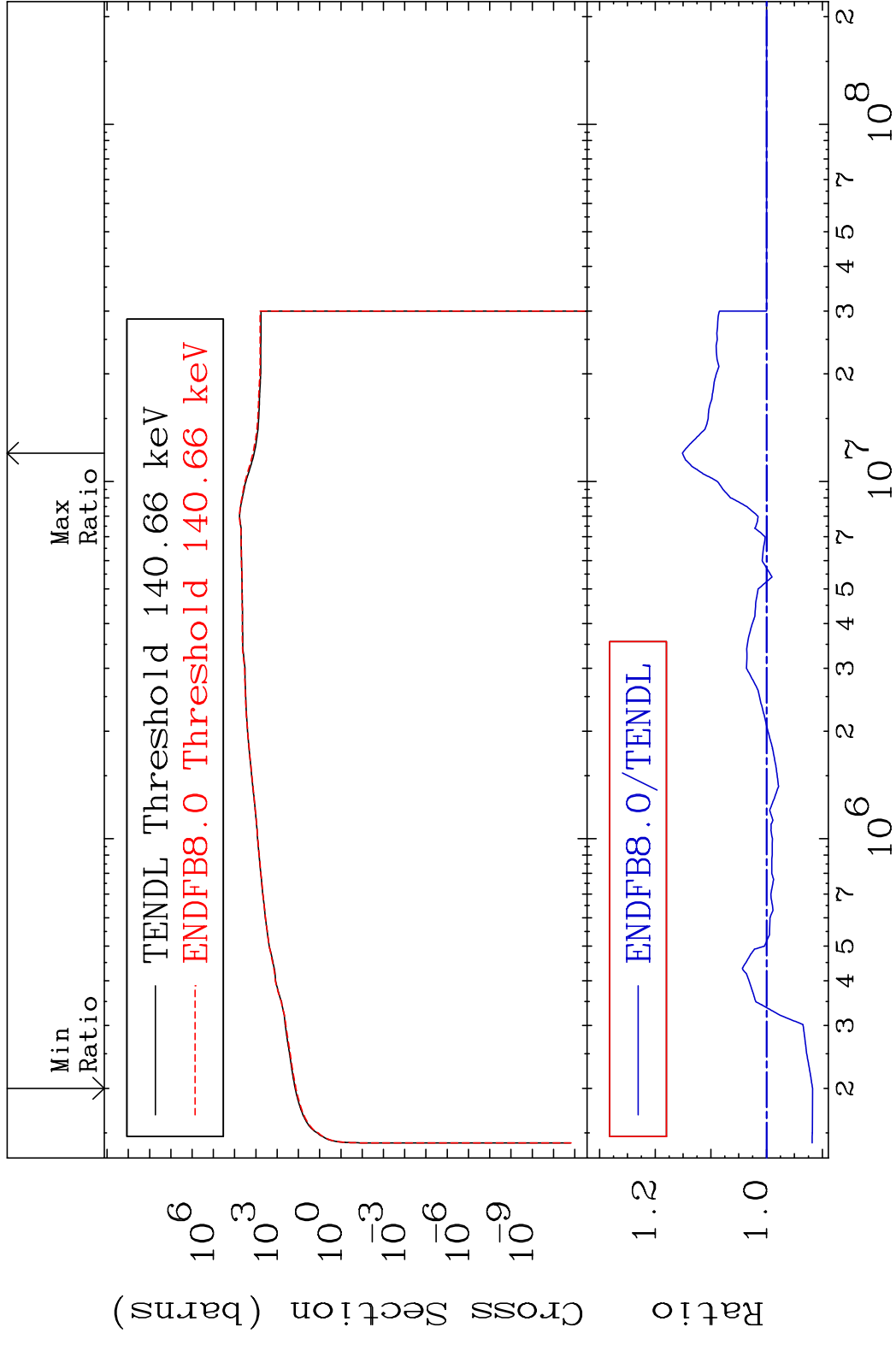
Dpa elastic (mt2)

81-Tl-204

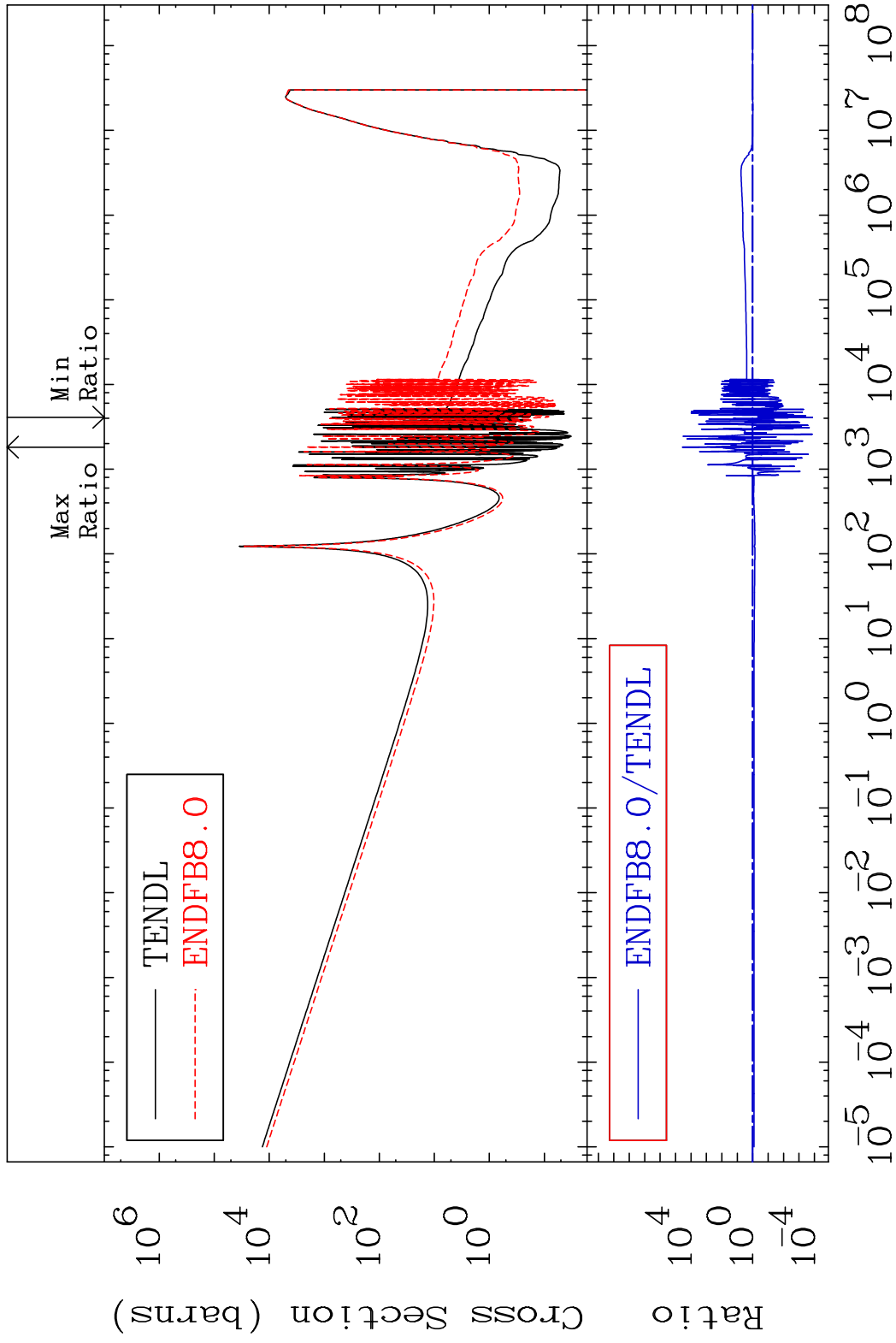
Cross Section -98.69 To 2345. %



MAT 8128 Dpa inelastic (mt51-91) 81-Tl-204
 Cross Section -8.246 To 15.13 %



MAT 8128 Dpa disappearance (mt102 -120) 81-T1-204
 Cross Section -99.99 To 9999. %



70 Incident Energy (eV) 81-T1-204

