

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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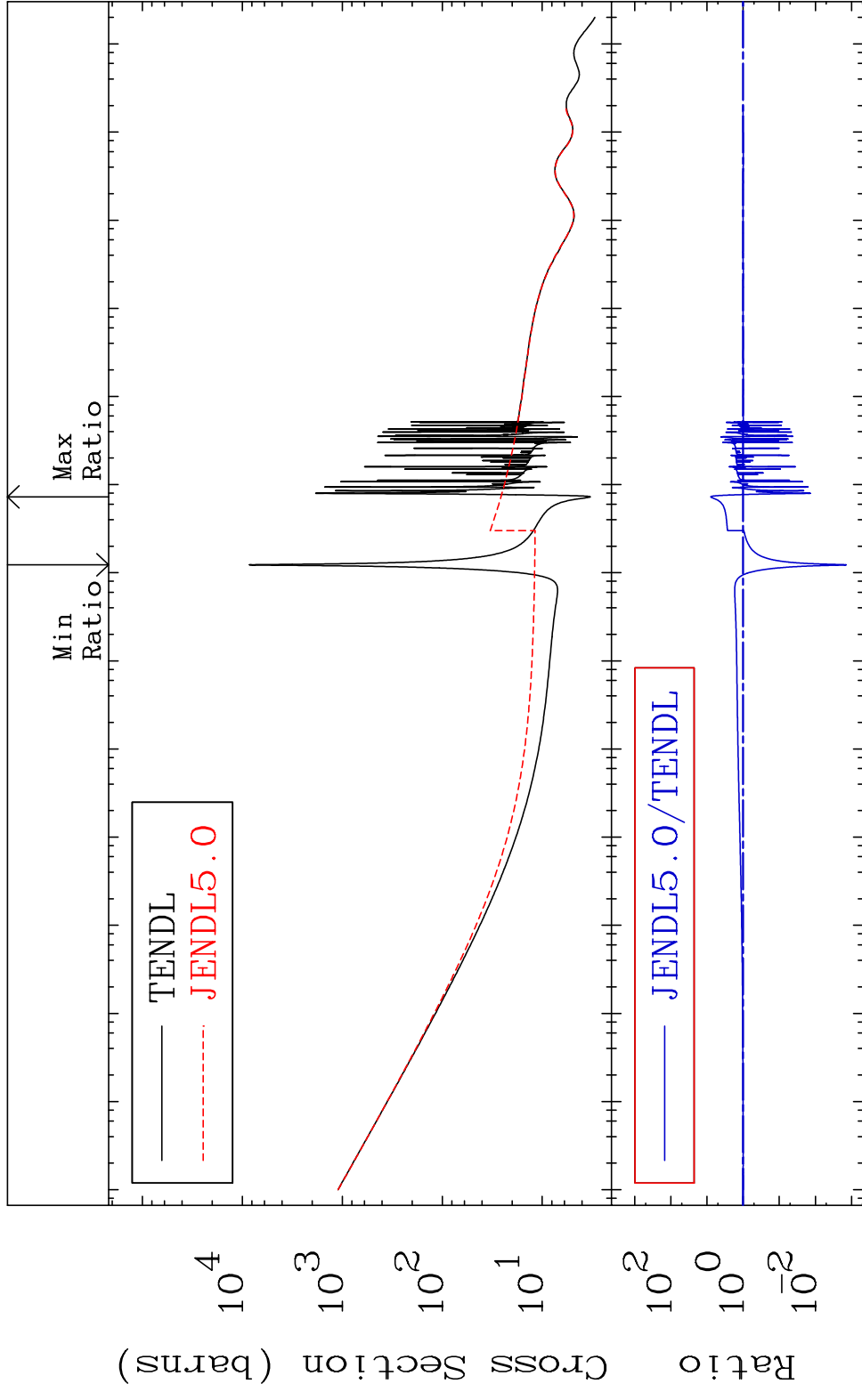
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 8128

Total Cross Section
81-Tl-204
-99.86 To 688.0 %



1 Incident Energy (eV) 81-Tl-204

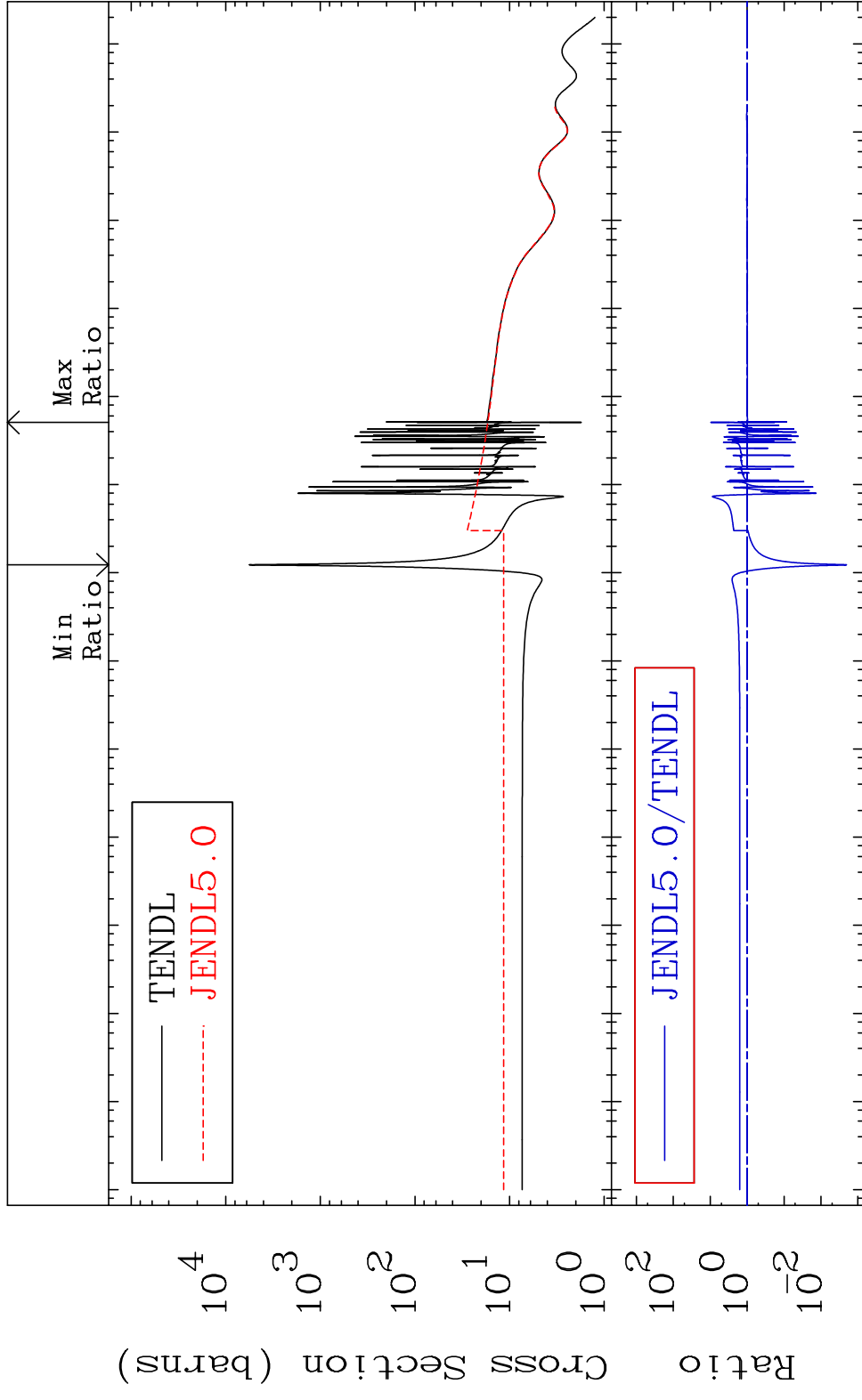
MAT 8128

Elastic

81-T1-204

Cross Section

-99.79 To 869.7 %

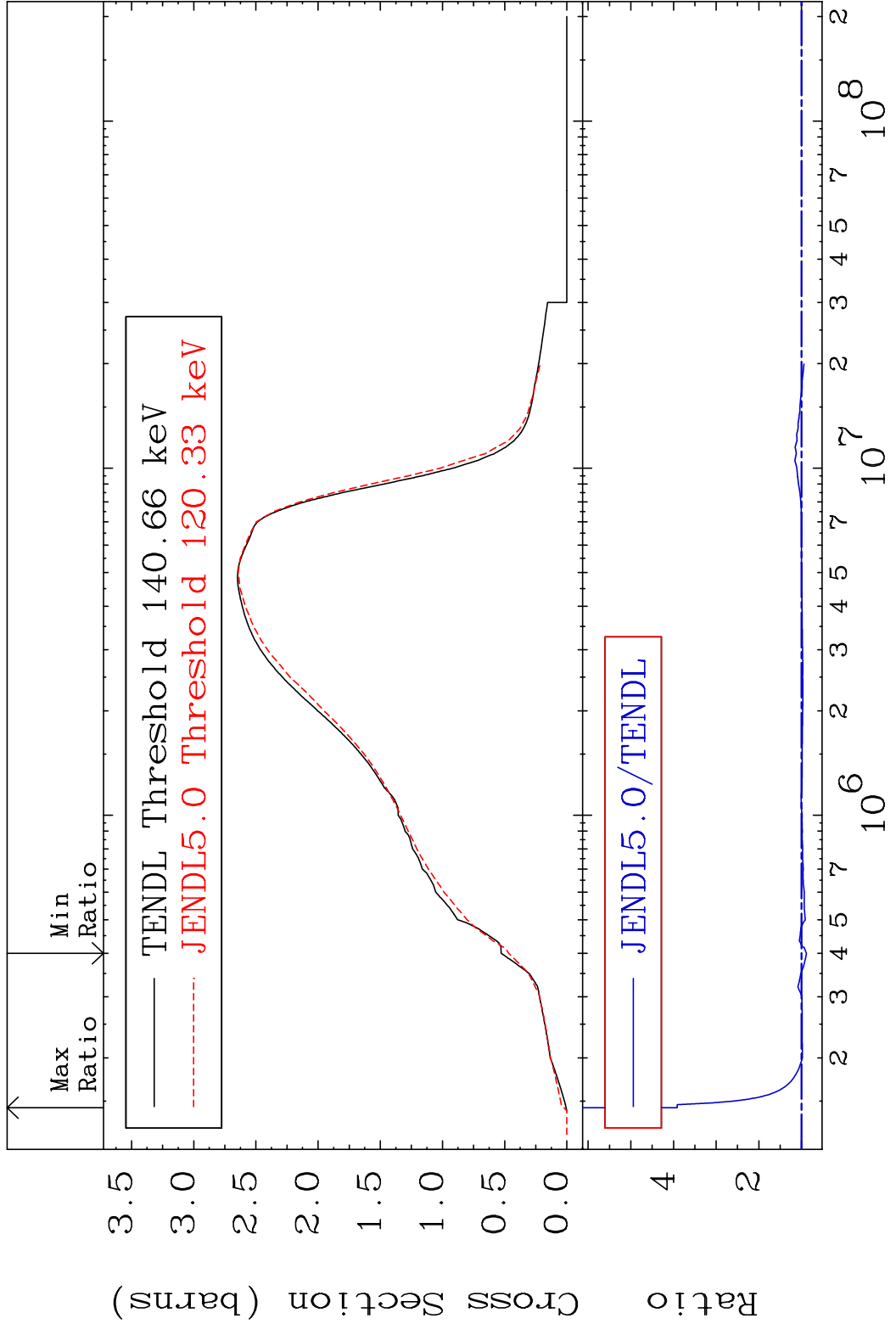


MAT 8128

Inelastic

81-Tl-204

Cross Section -11.33 To 291.4 %

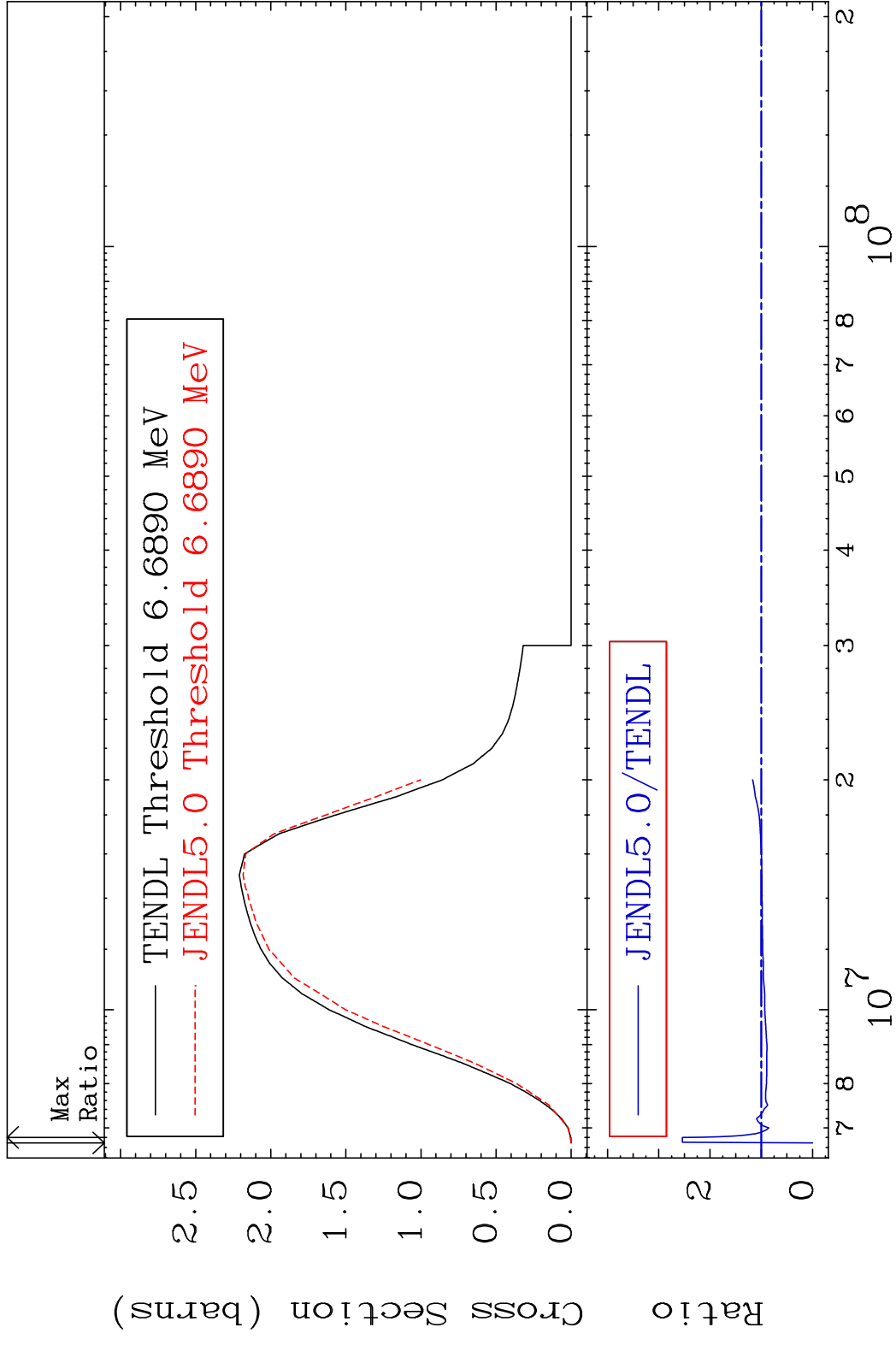


MAT 8128

(n,2n)

81-Tl-204

Cross Section -100.0 To 154.0 %



4

Incident Energy (eV)

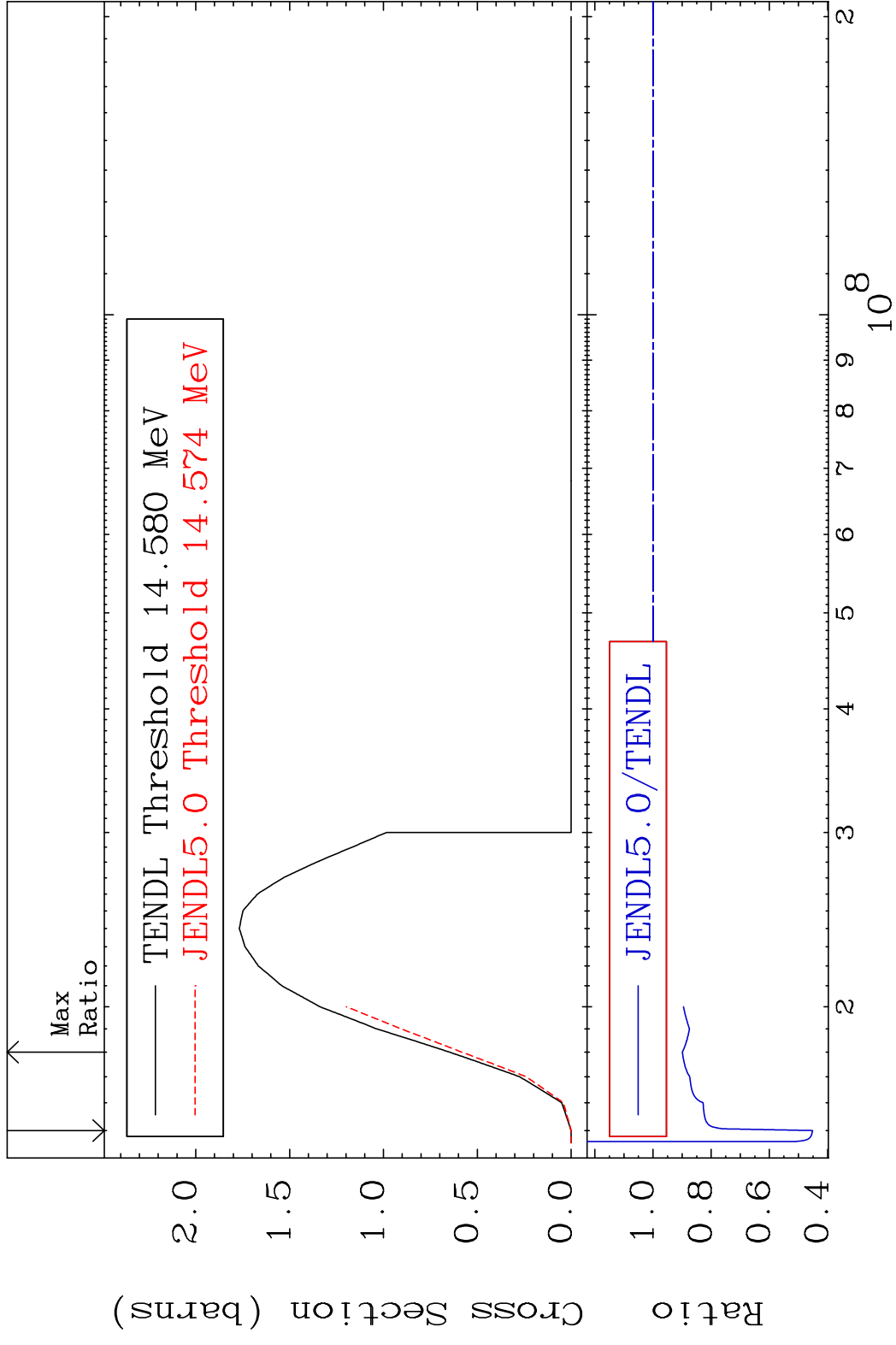
81-Tl-204

MAT 8128

(n,3n)

81-Tl-204

Cross Section -54.84 To -10.09%

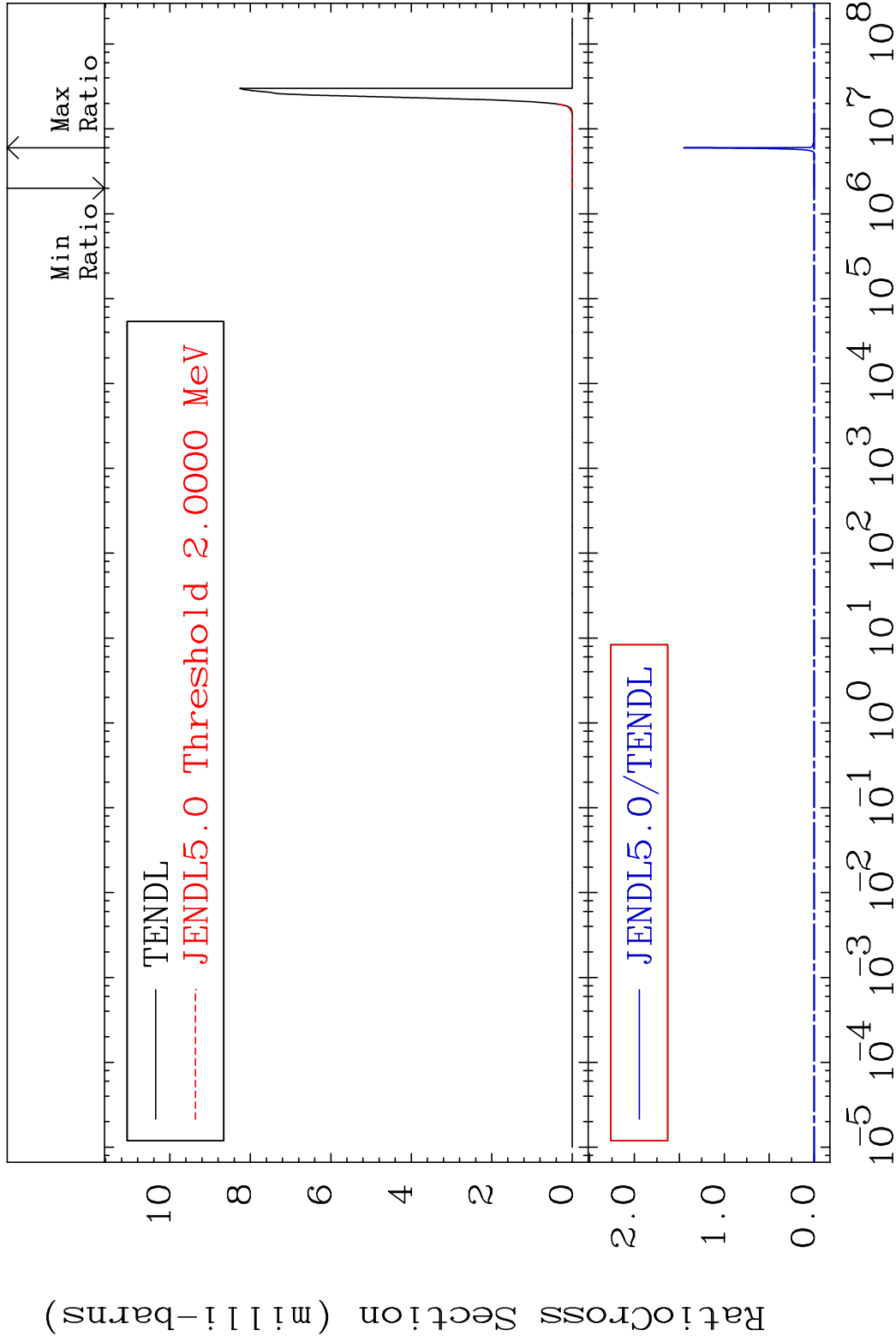


MAT 8128

(n, n') α

81-Tl-204

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

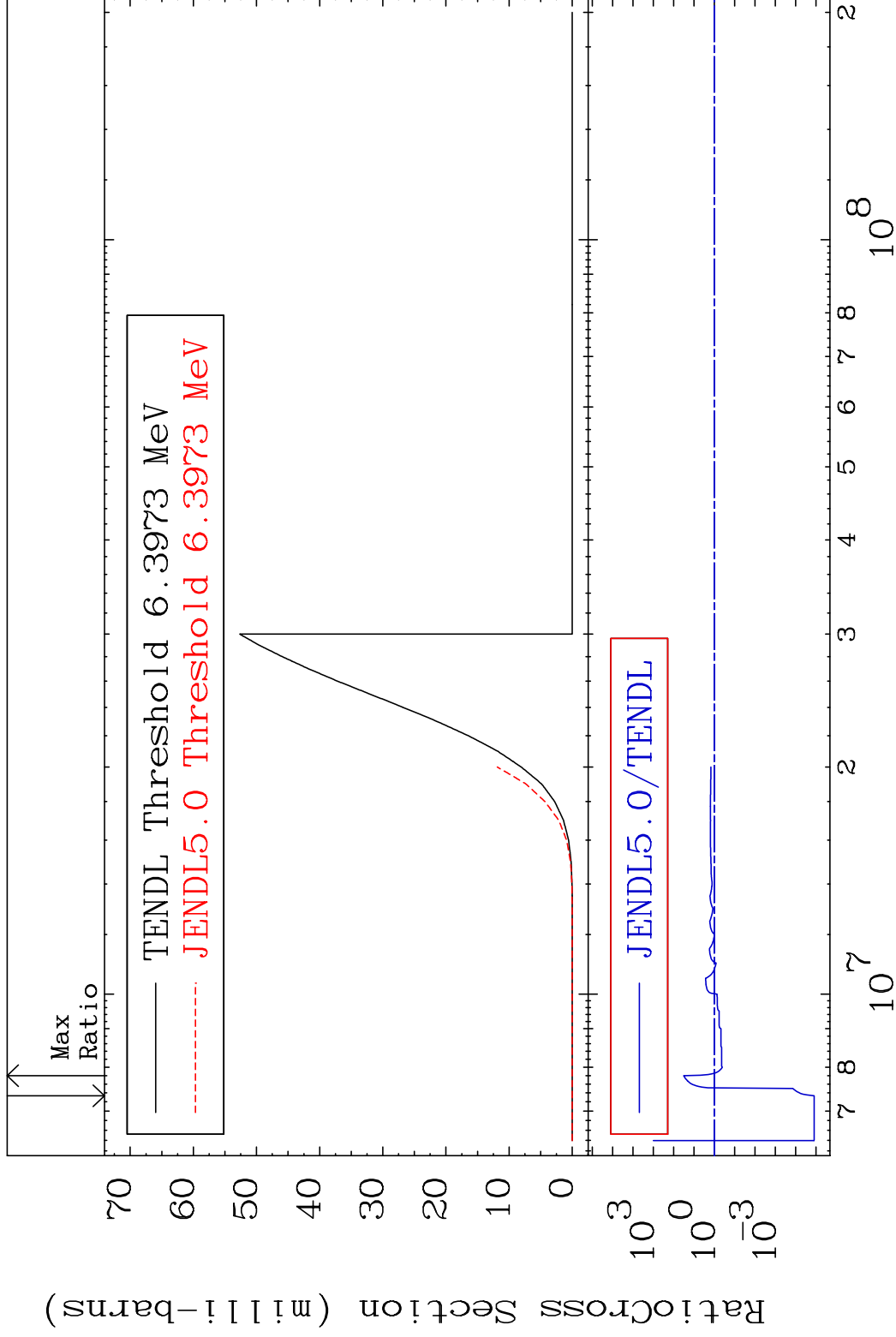
81-Tl-204

MAT 8128

(n, n') p

81-Tl-204

Cross Section -100.0 To 3110. %



7

Incident Energy (eV)

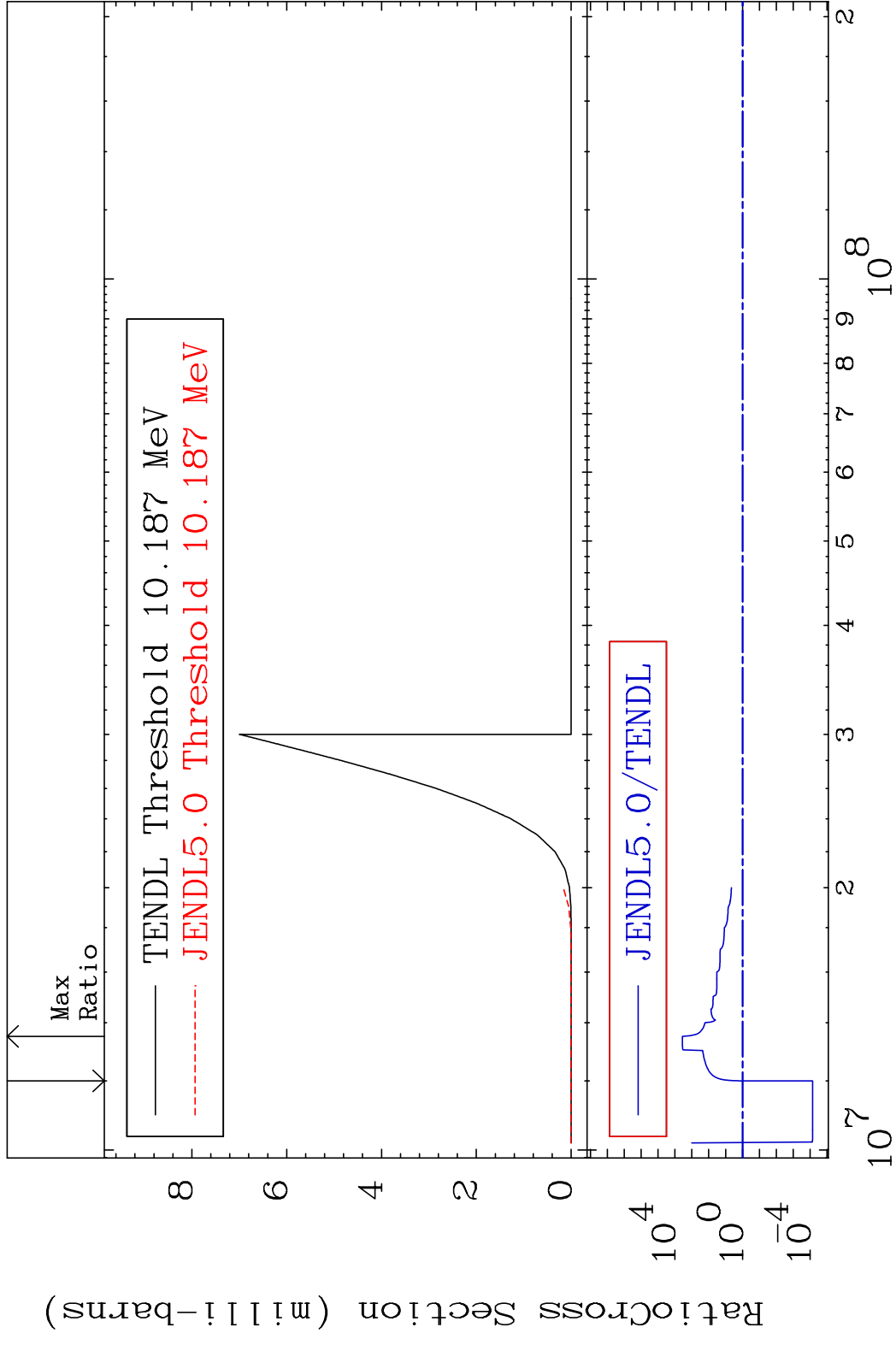
81-Tl-204

MAT 8128

(n, n') d

81-Tl-204

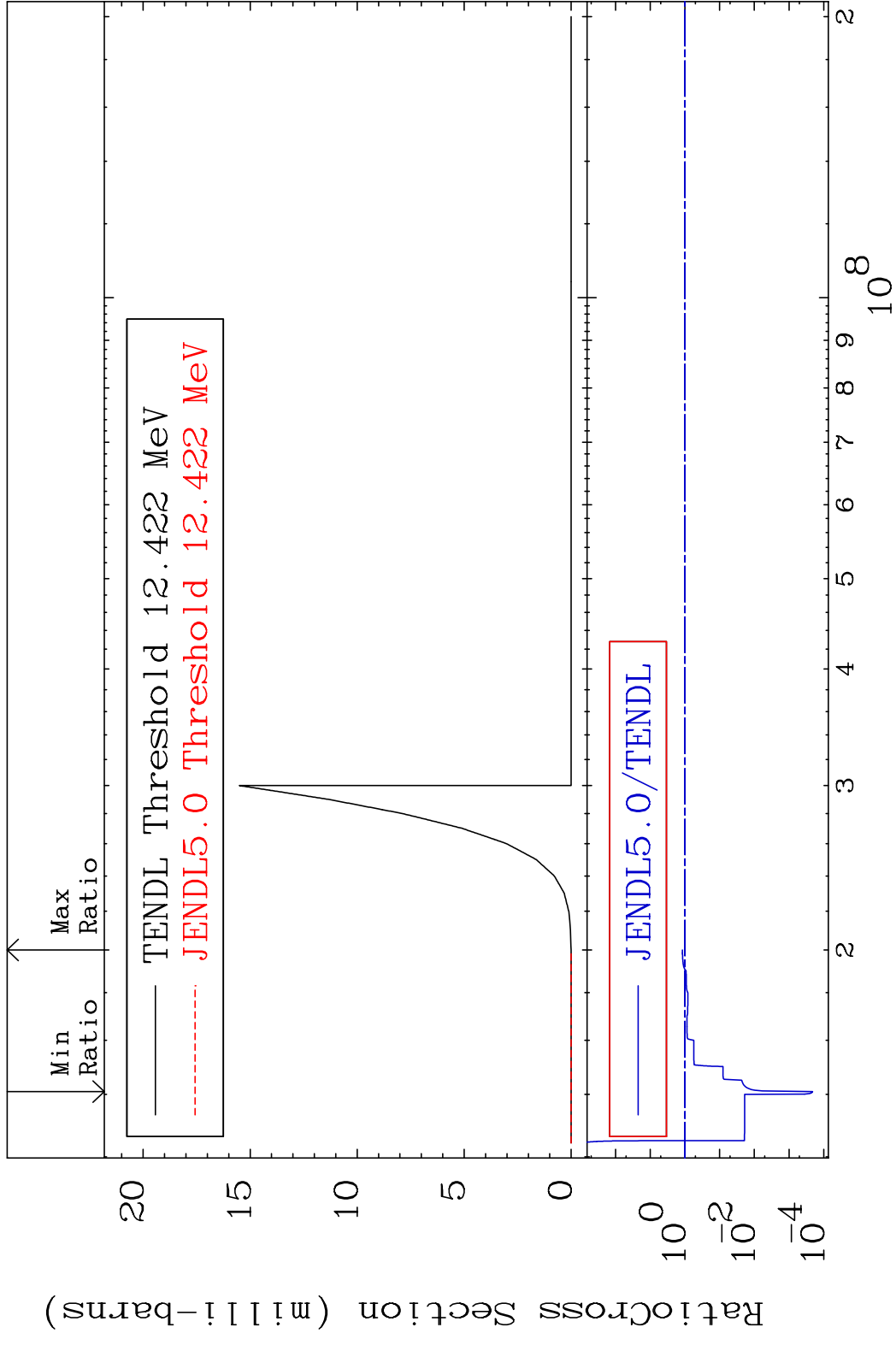
Cross Section -99.99 To 9999. %



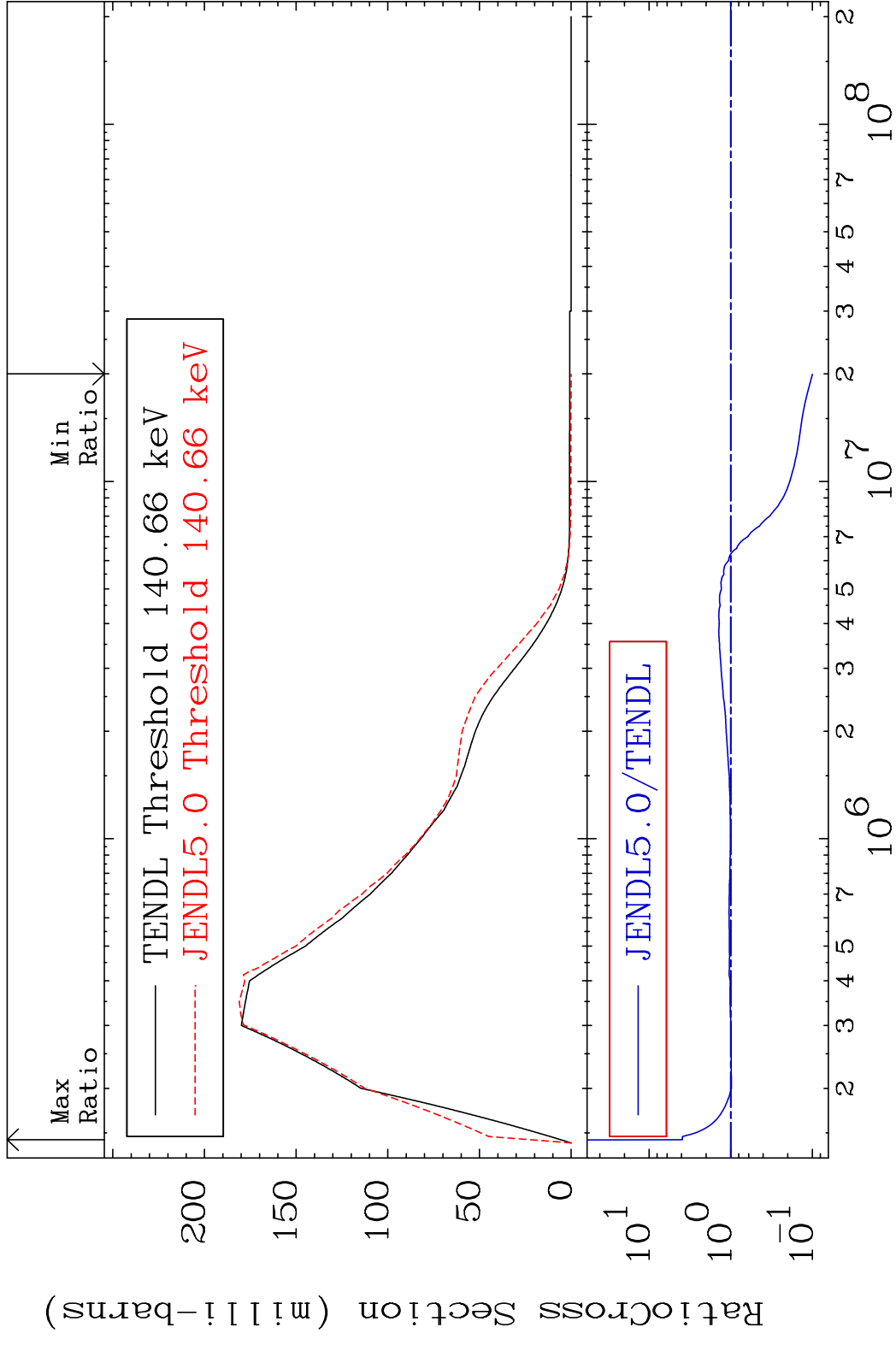
8

Incident Energy (eV)

81-Tl-204

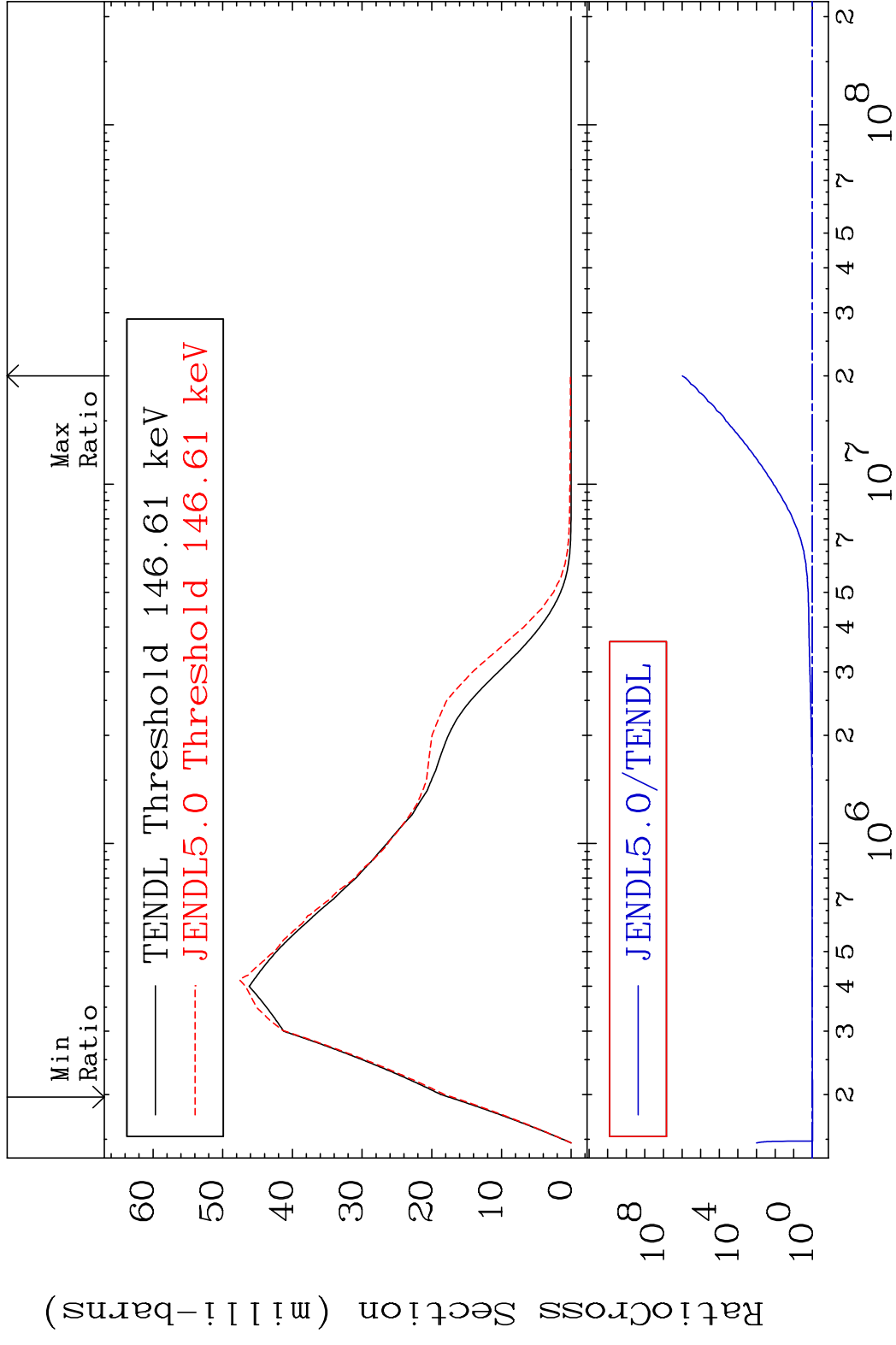


MAT 8128 MT= 51 (n, n') Level 81-Tl-204
 Cross Section -90.06 To 291.4 %

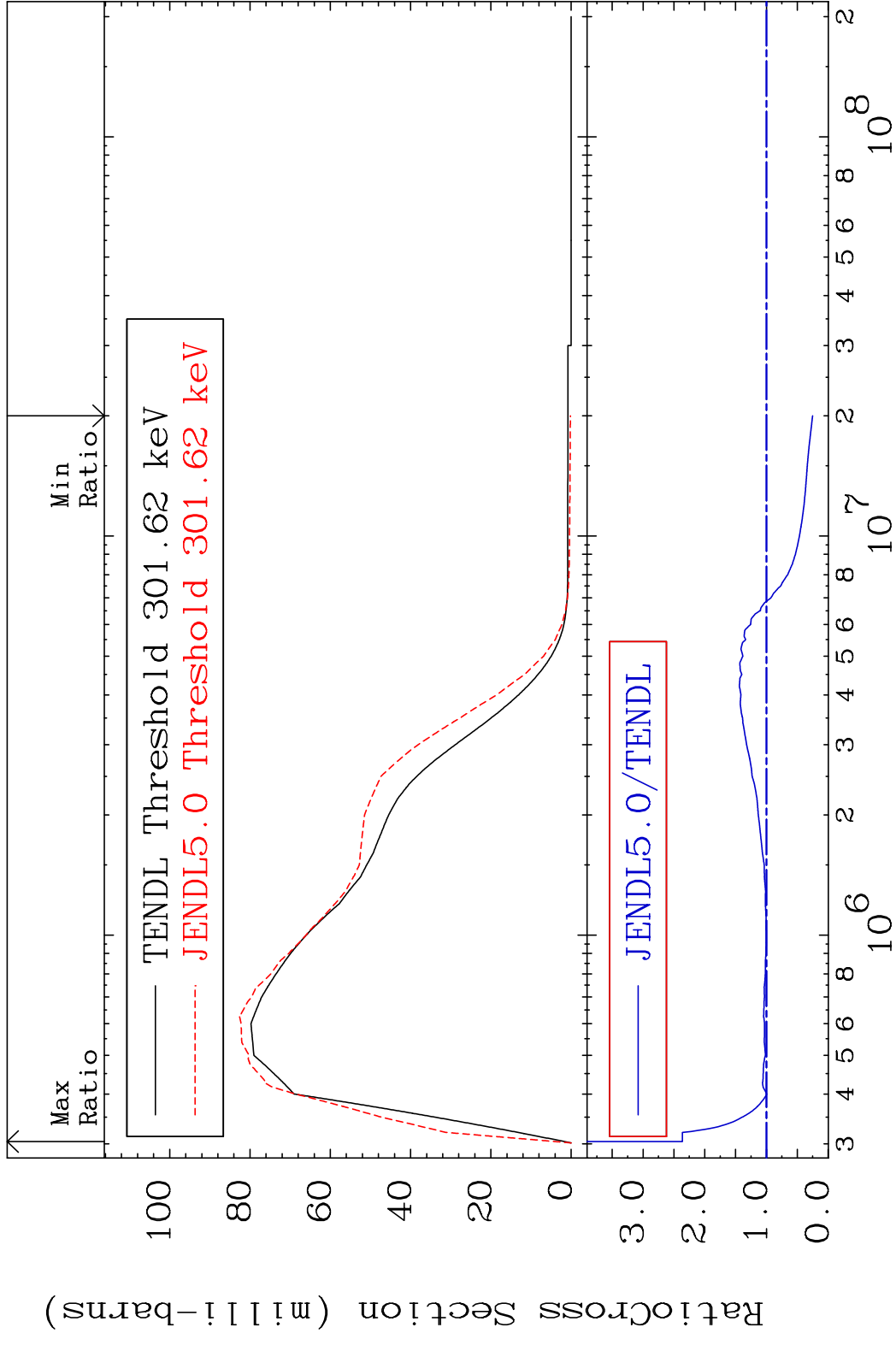


10 Incident Energy (eV) 81-Tl-204

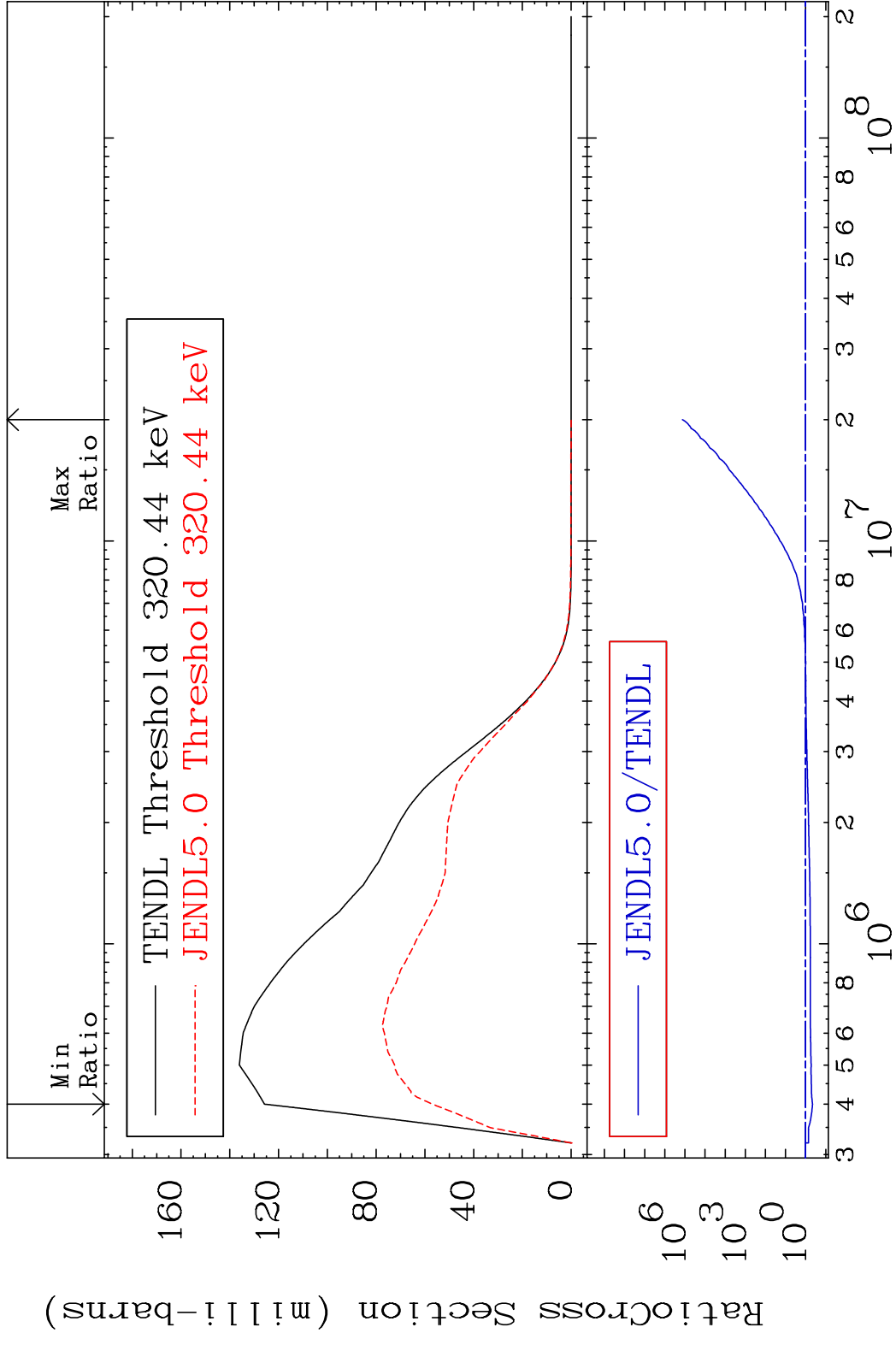
MAT 8128 MT= 52 (n, n') Level 81-Tl-204
 Cross Section -2.780 To 9999. %



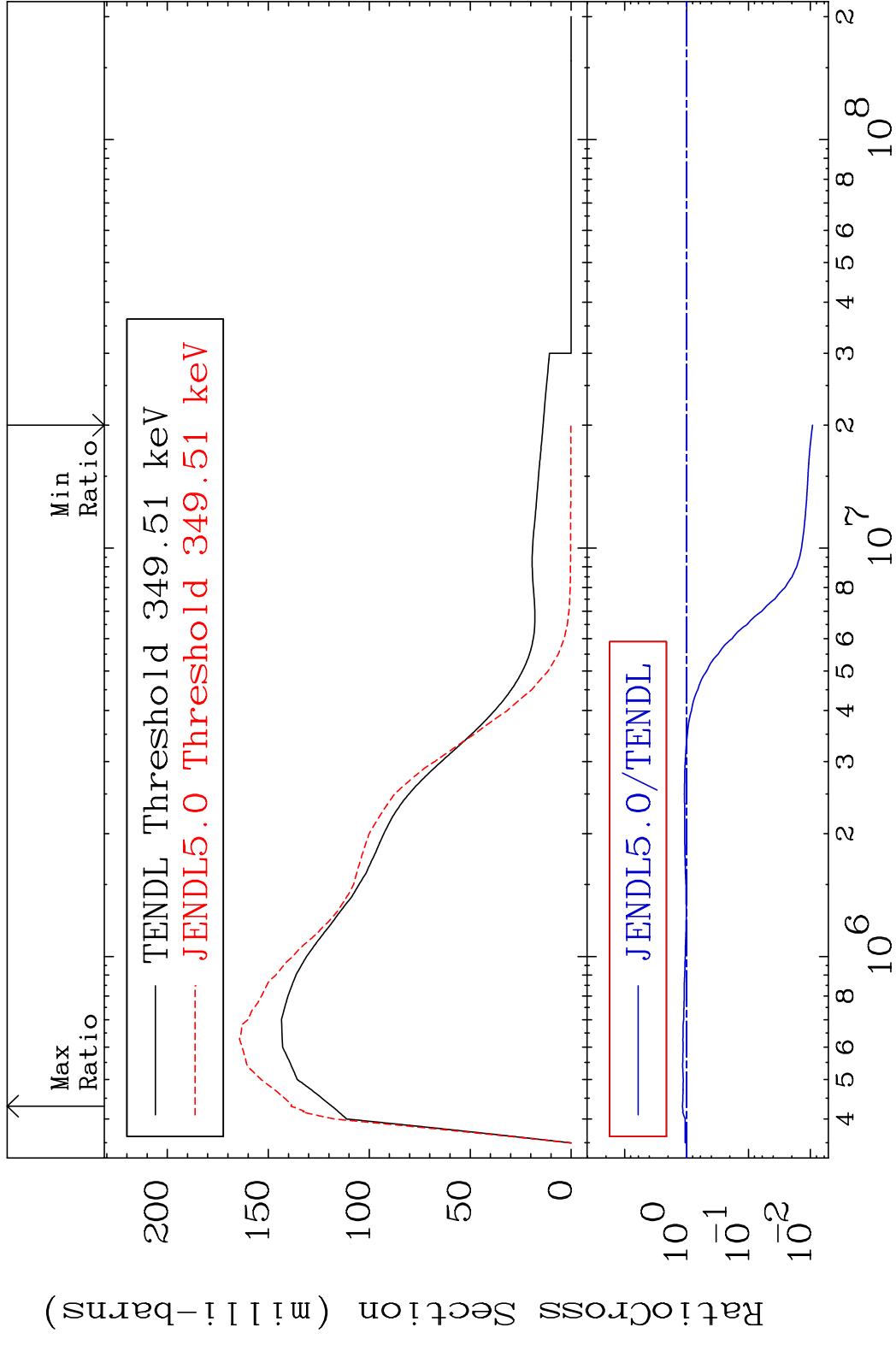
MAT 8128 MT= 53 (n, n') Level 81-Tl-204
 Cross Section -74.77 To 136.3 %



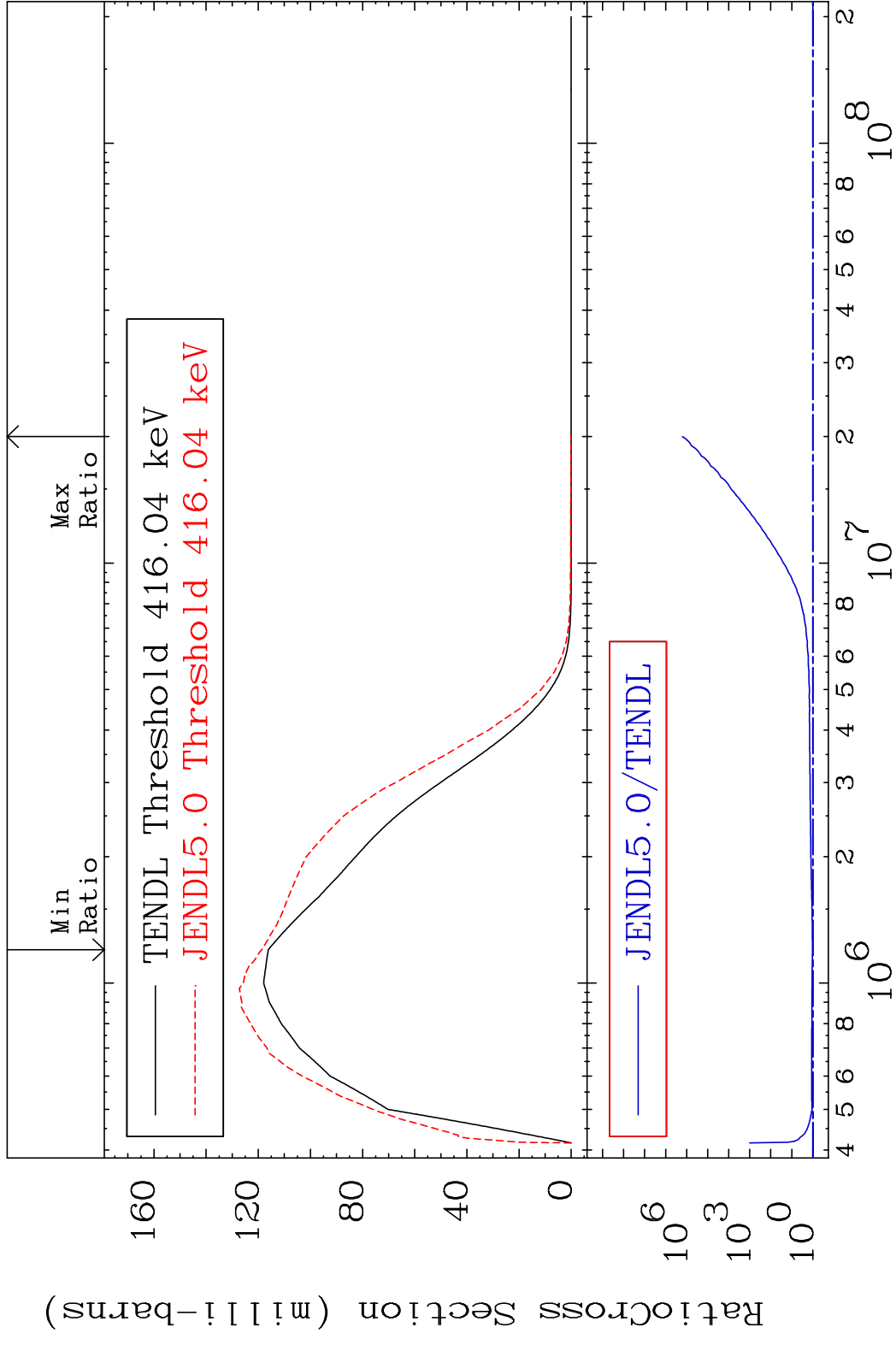
MAT 8128 MT= 54 (n,n') Level 81-Tl-204
 Cross Section -54.69 To 9999. %



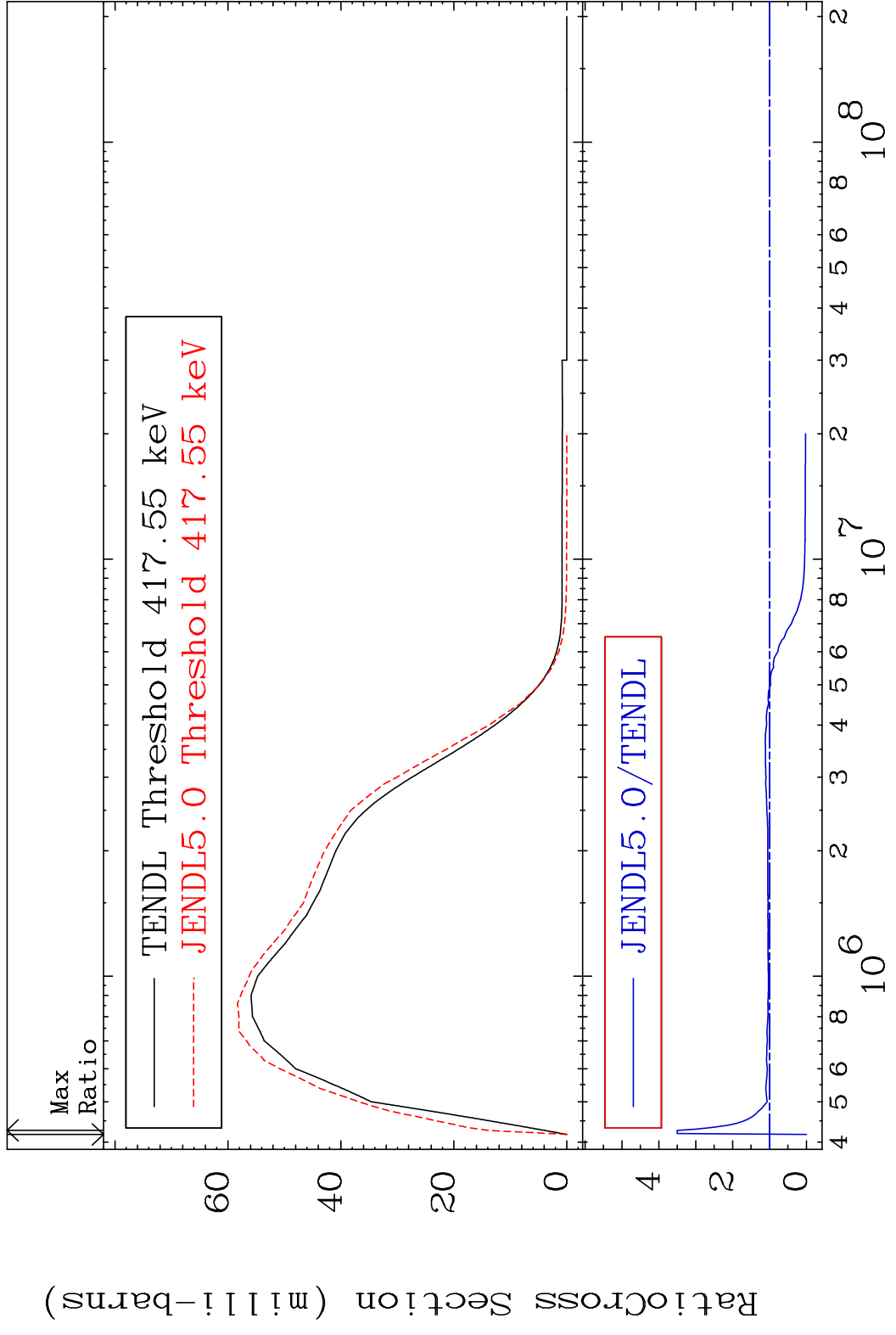
MAT 8128 MT= 55 (n, n') Level 81-Tl-204
 Cross Section -99.08 To 17.15 %



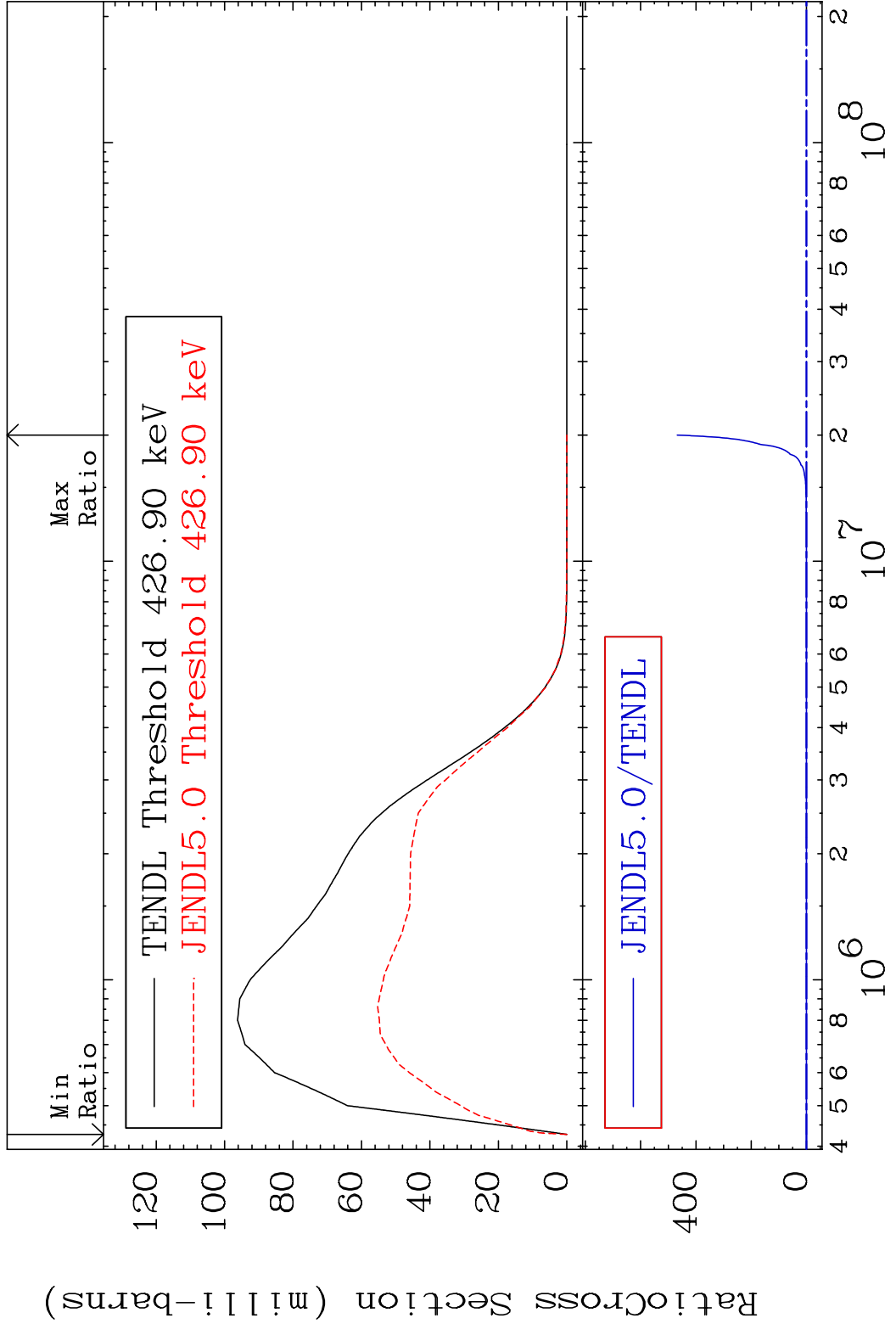
MAT 8128 MT= 56 (n, n') Level 81-Tl-204
 Cross Section 2.223 To 9999. %



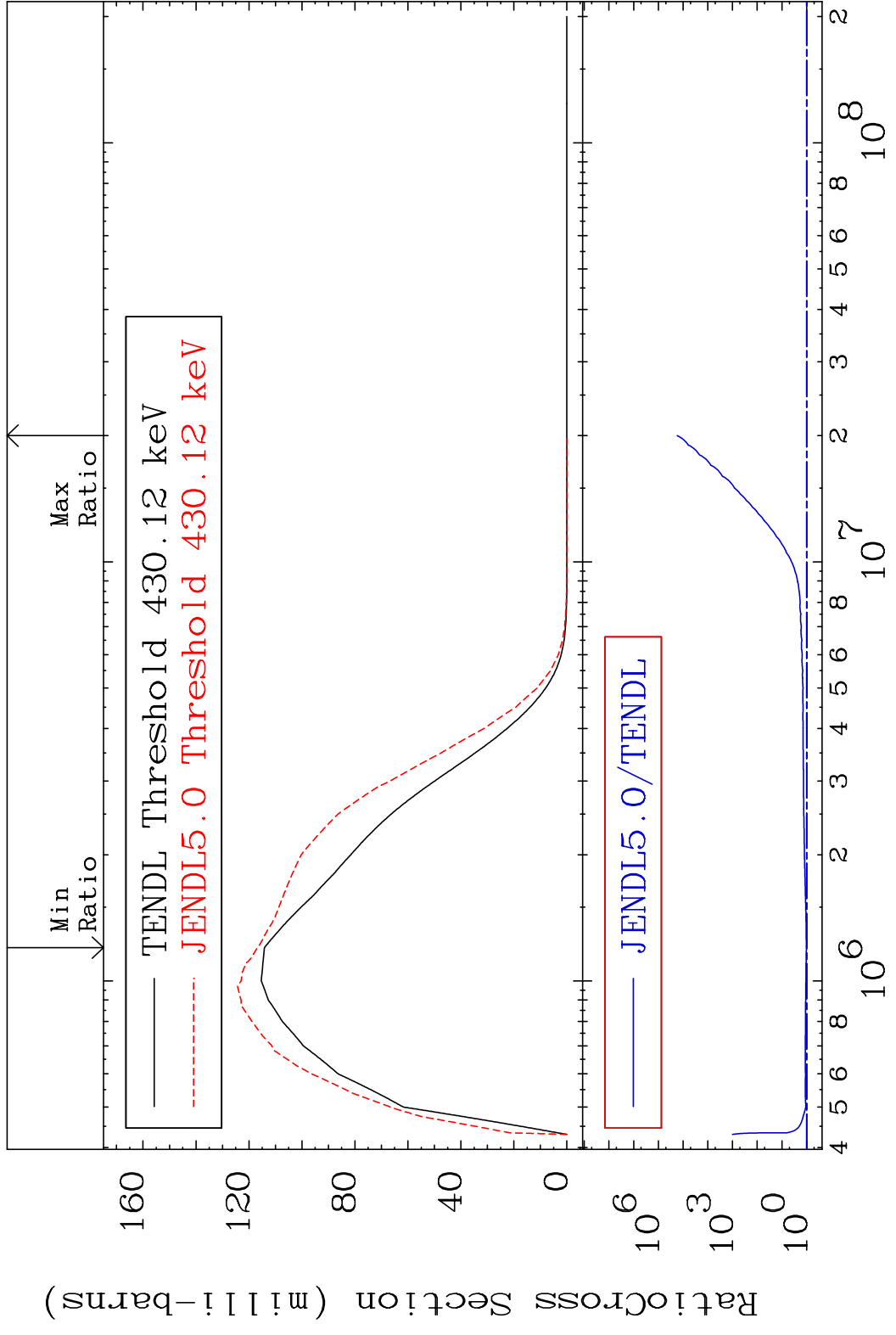
MAT 8128 MT= 57 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 250.2 %



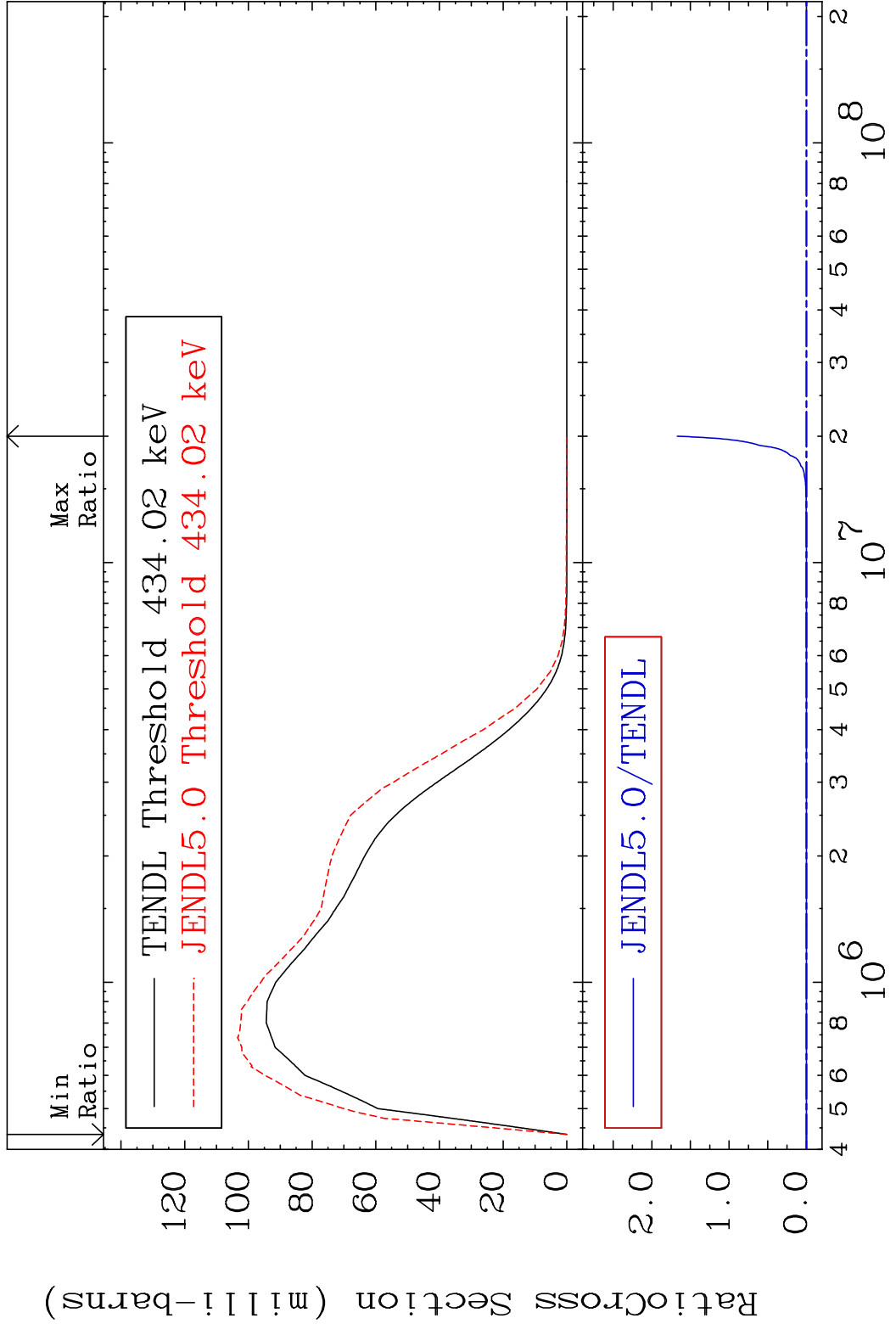
MAT 8128 MT= 58 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 9999. %



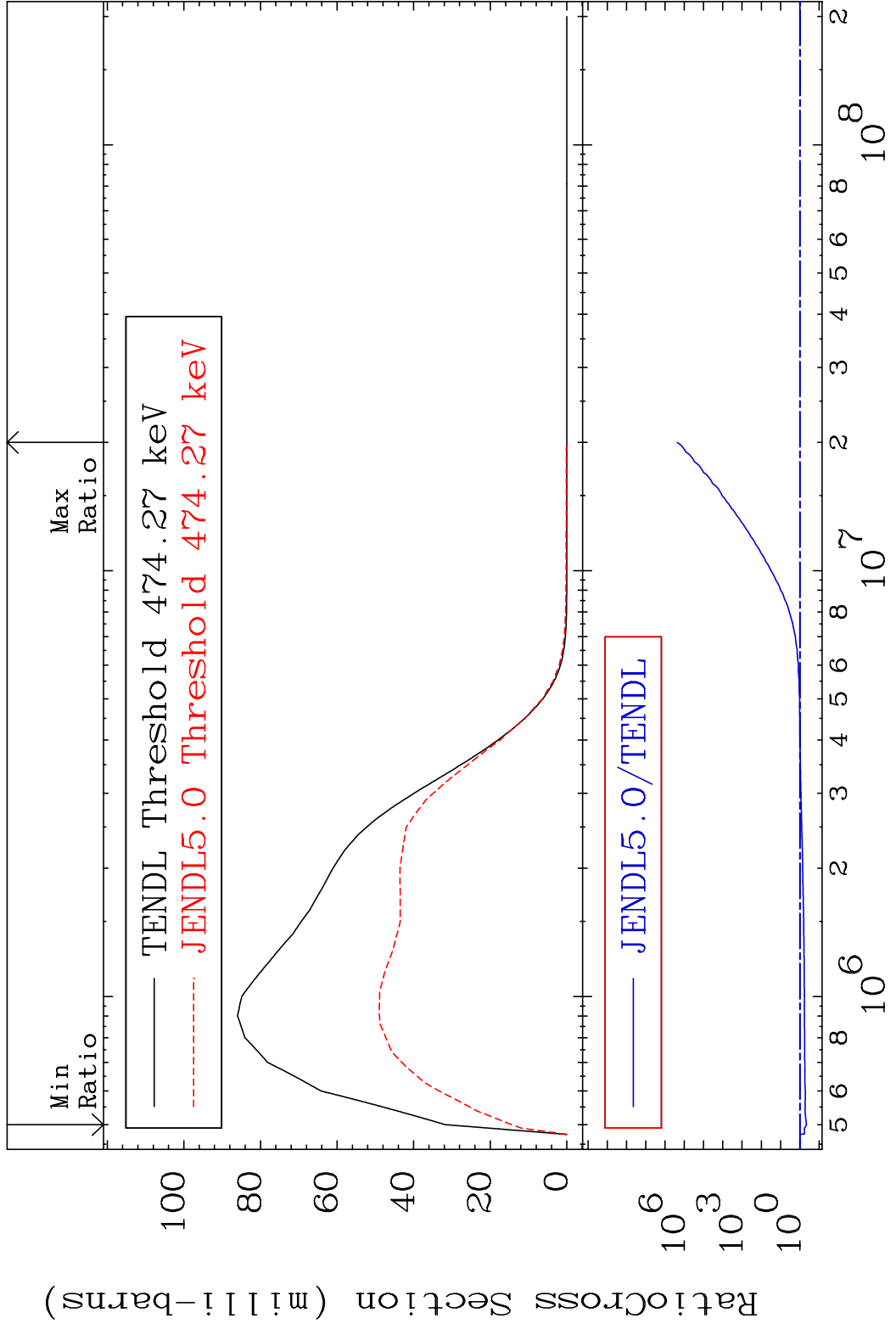
MAT 8128 MT= 59 (n, n') Level 81-Tl-204
 Cross Section 2.221 To 9999. %



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

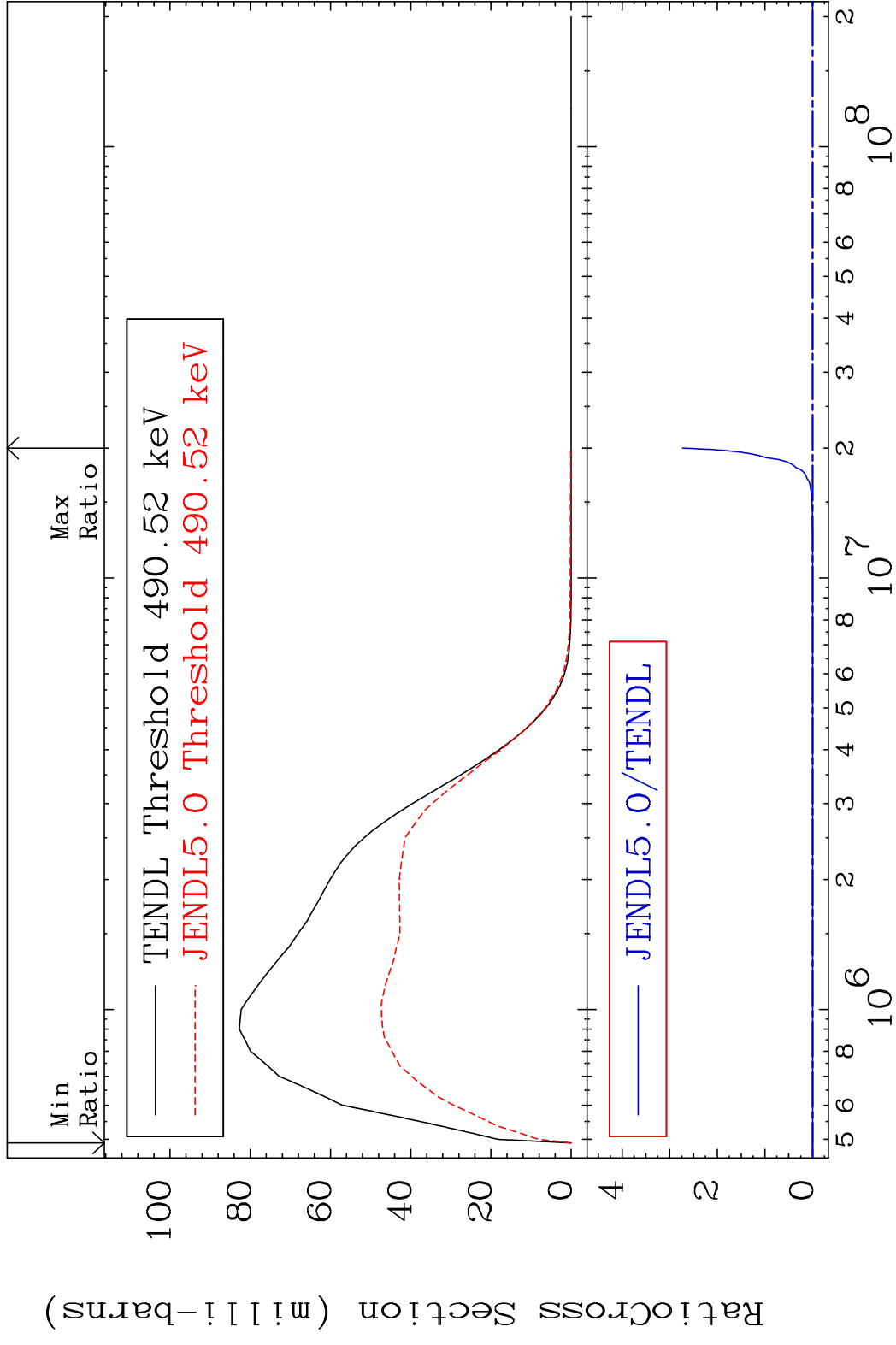


MAT 8128 MT= 61 (n, n') Level 81-Tl-204
 Cross Section -54.51 To 9999. %

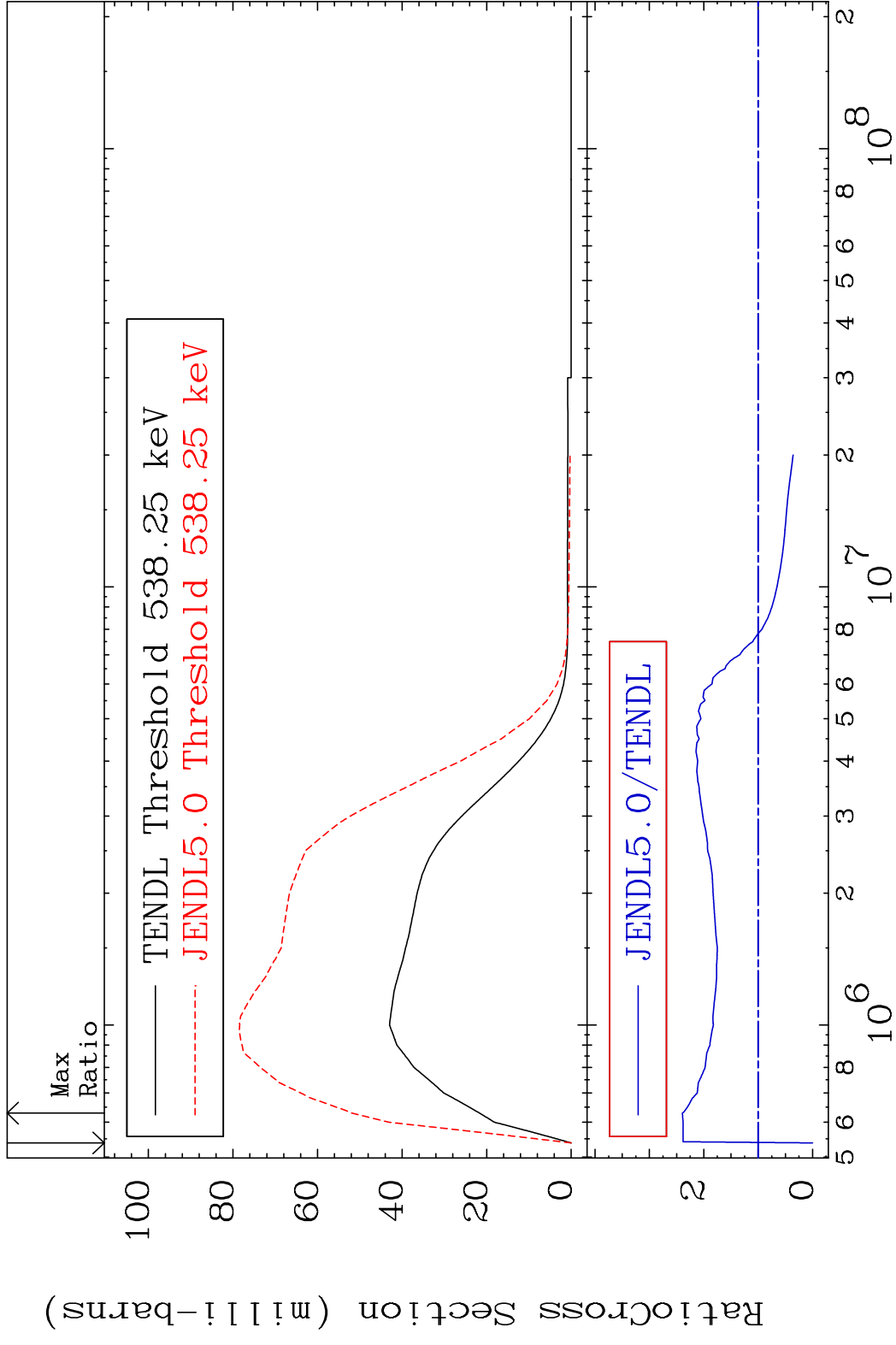


20 Incident Energy (eV) 81-Tl-204

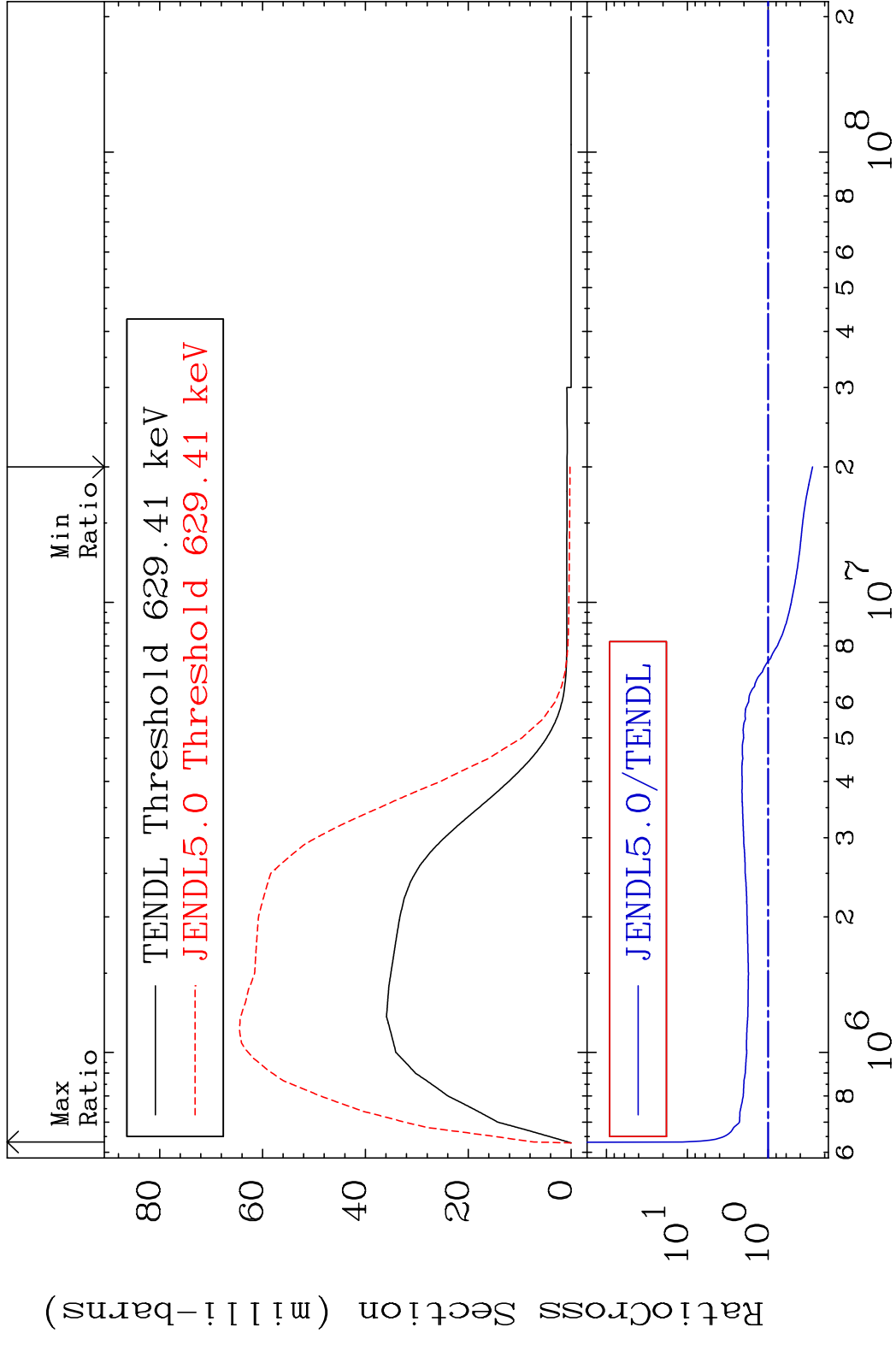
MAT 8128 MT= 62 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 9999. %



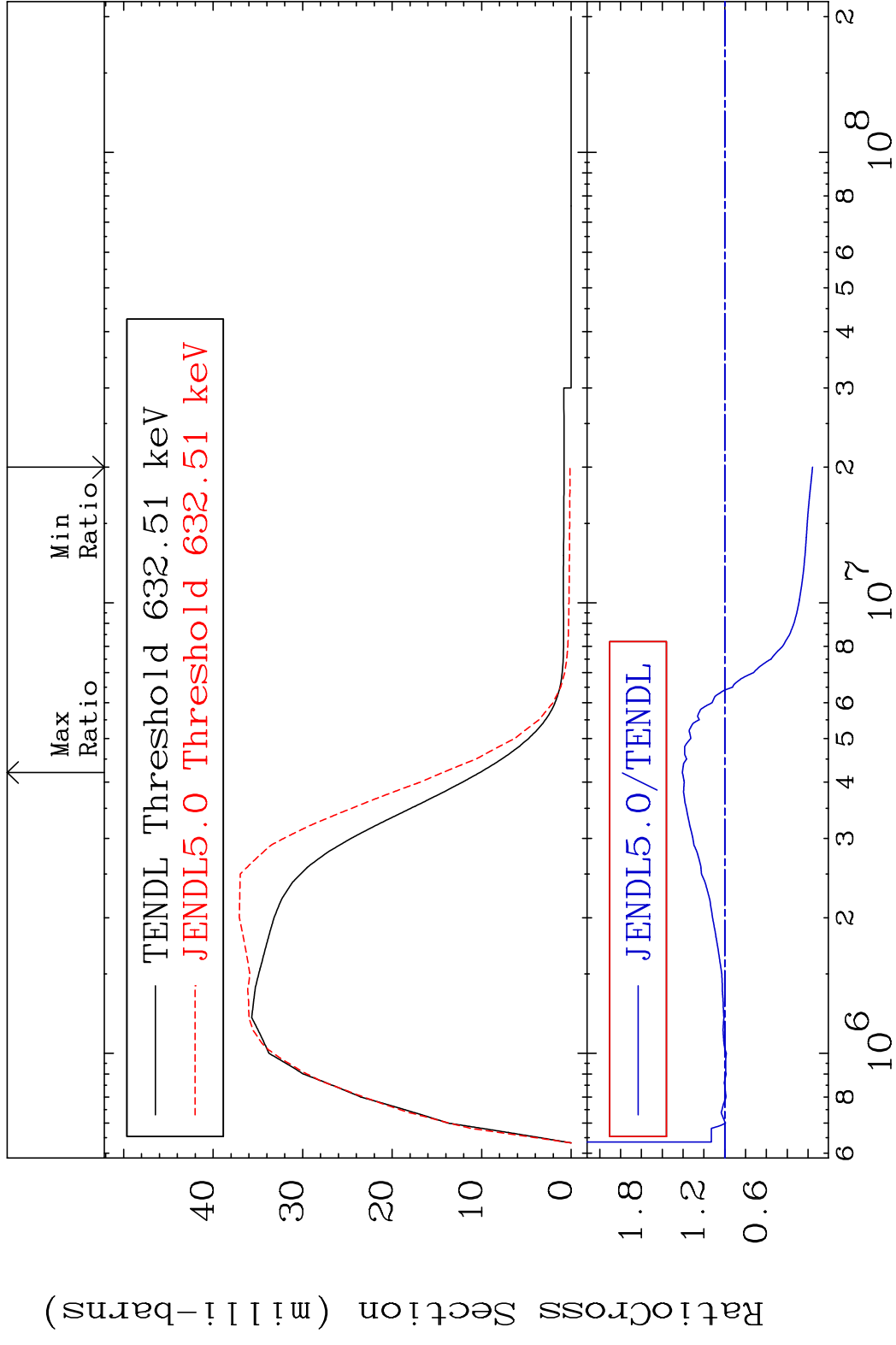
MAT 8128 MT= 63 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 139.4 %



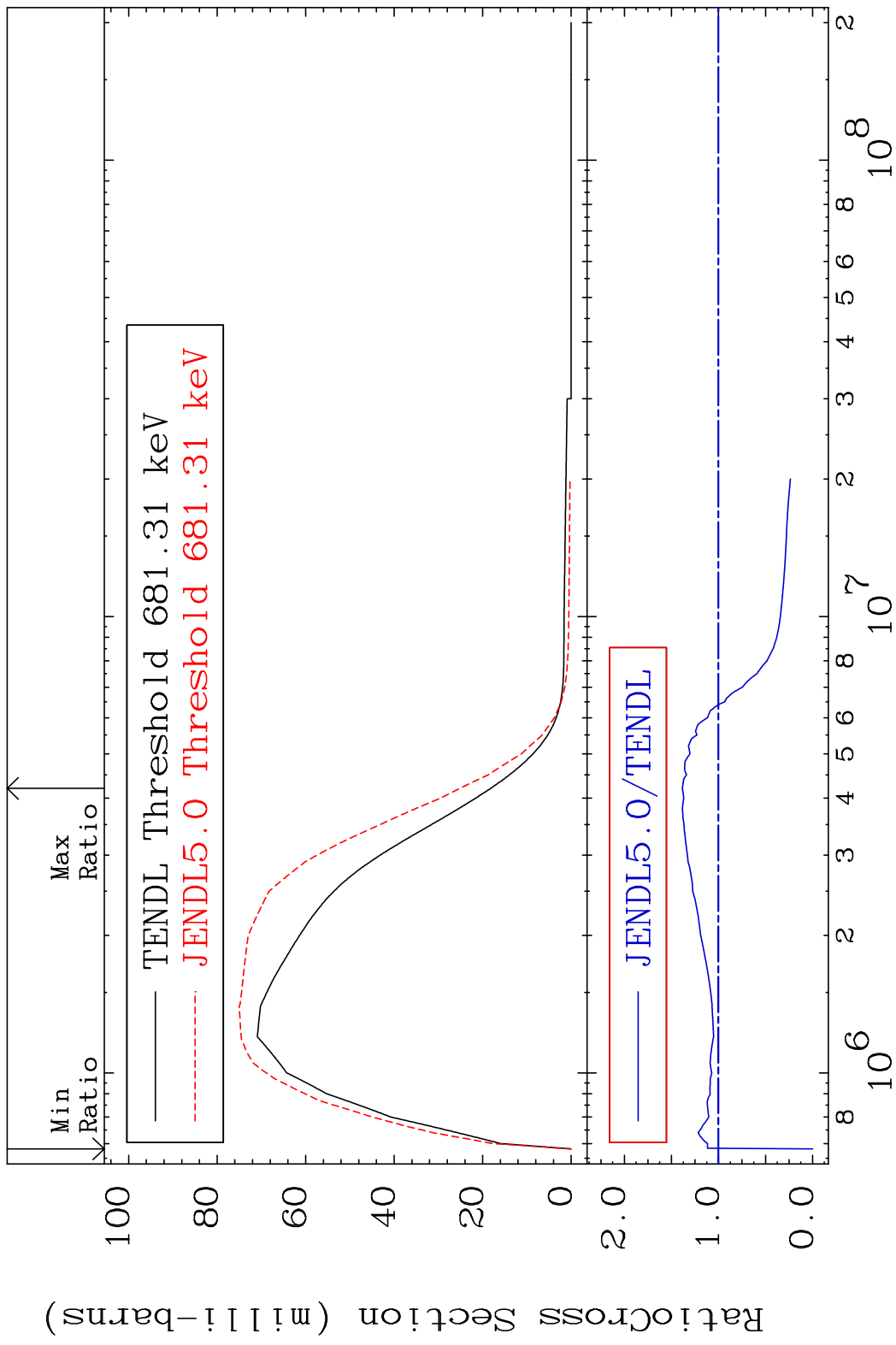
MAT 8128 MT= 64 (n, n') Level 81-Tl-204
 Cross Section -71.72 To 1052. %



MAT 8128 MT= 65 (n, n') Level 81-Tl-204
 Cross Section -84.35 To 40.69 %

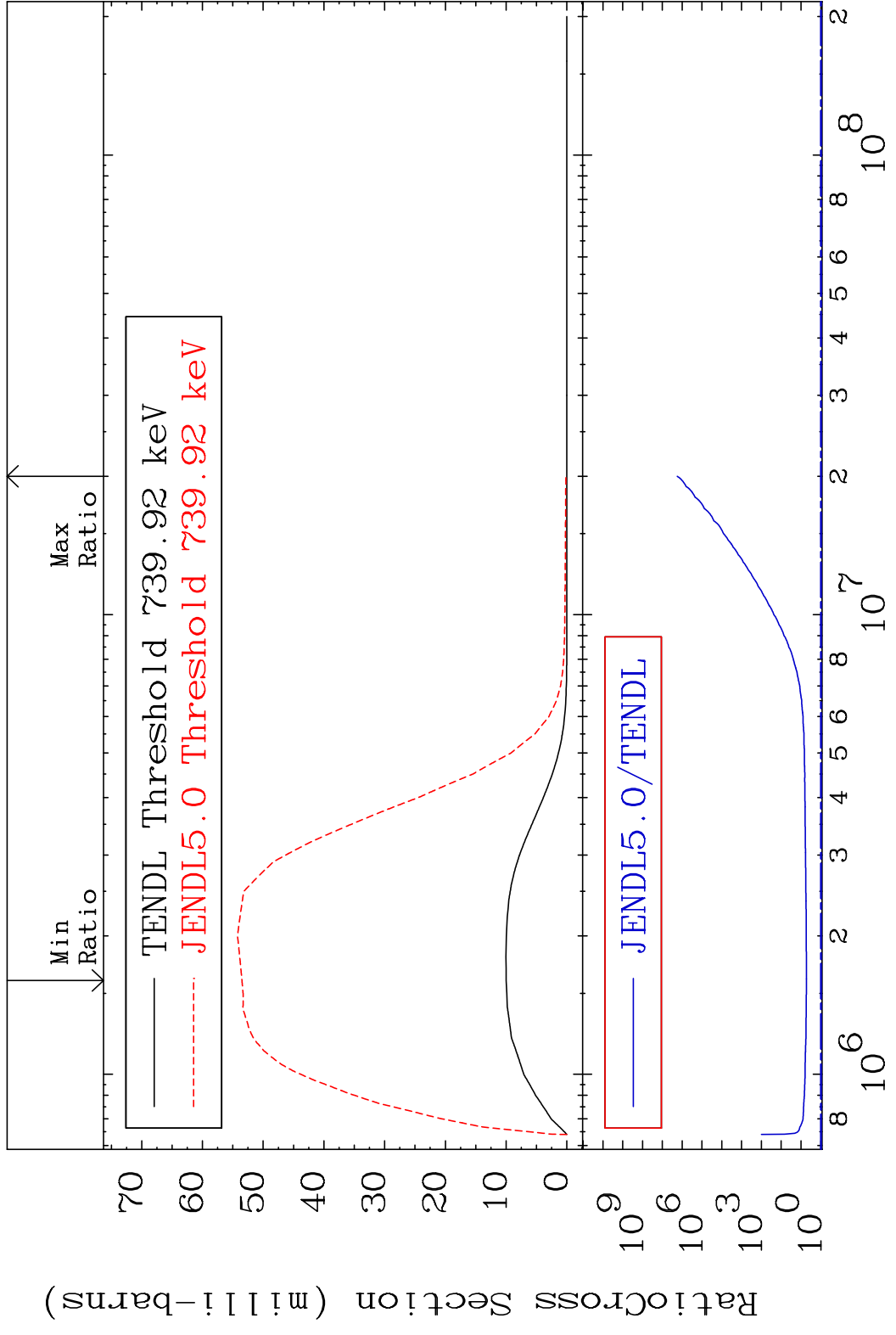


MAT 8128 MT= 66 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 38.39 %

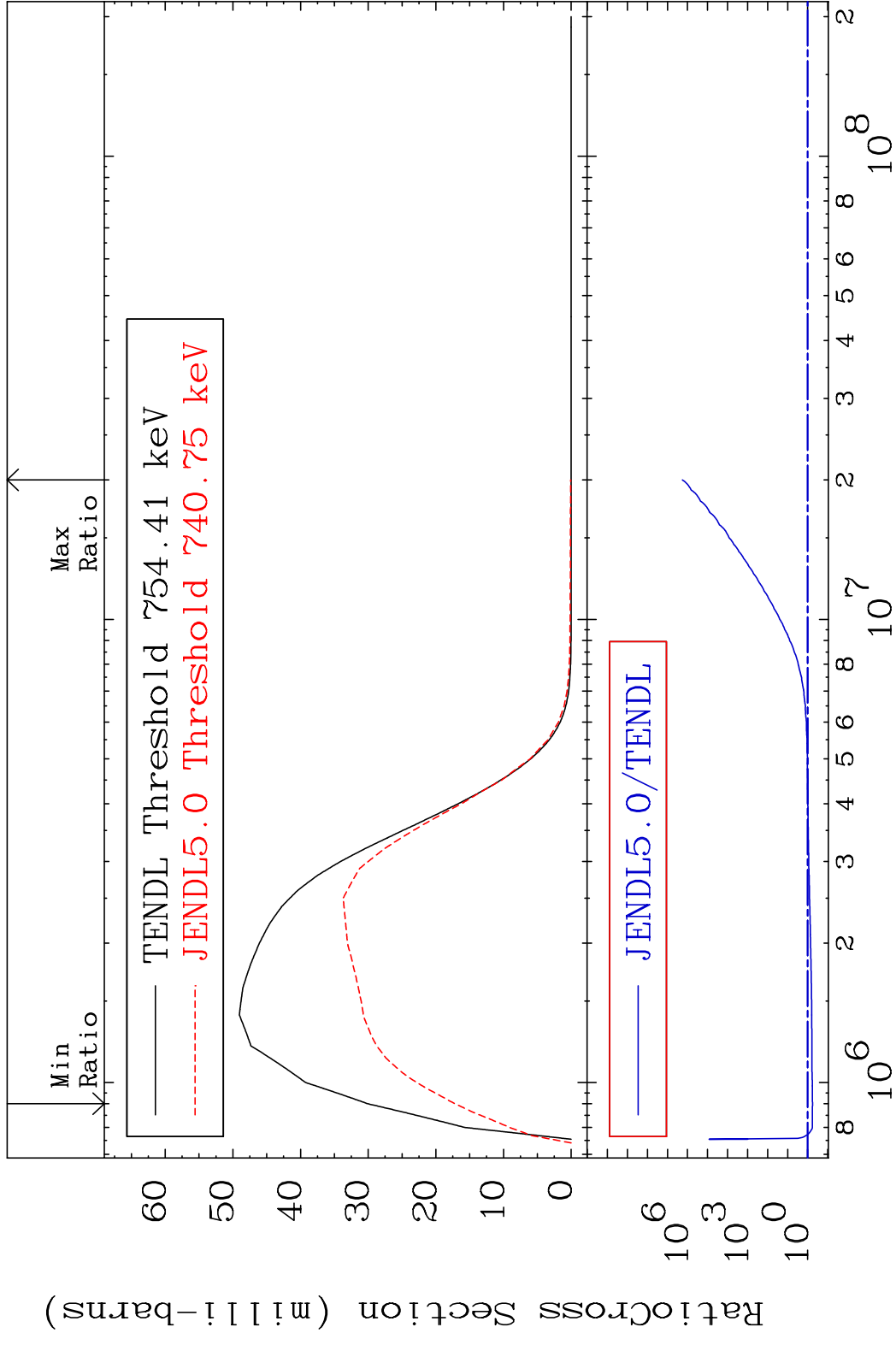


25 Incident Energy (eV) 81-Tl-204

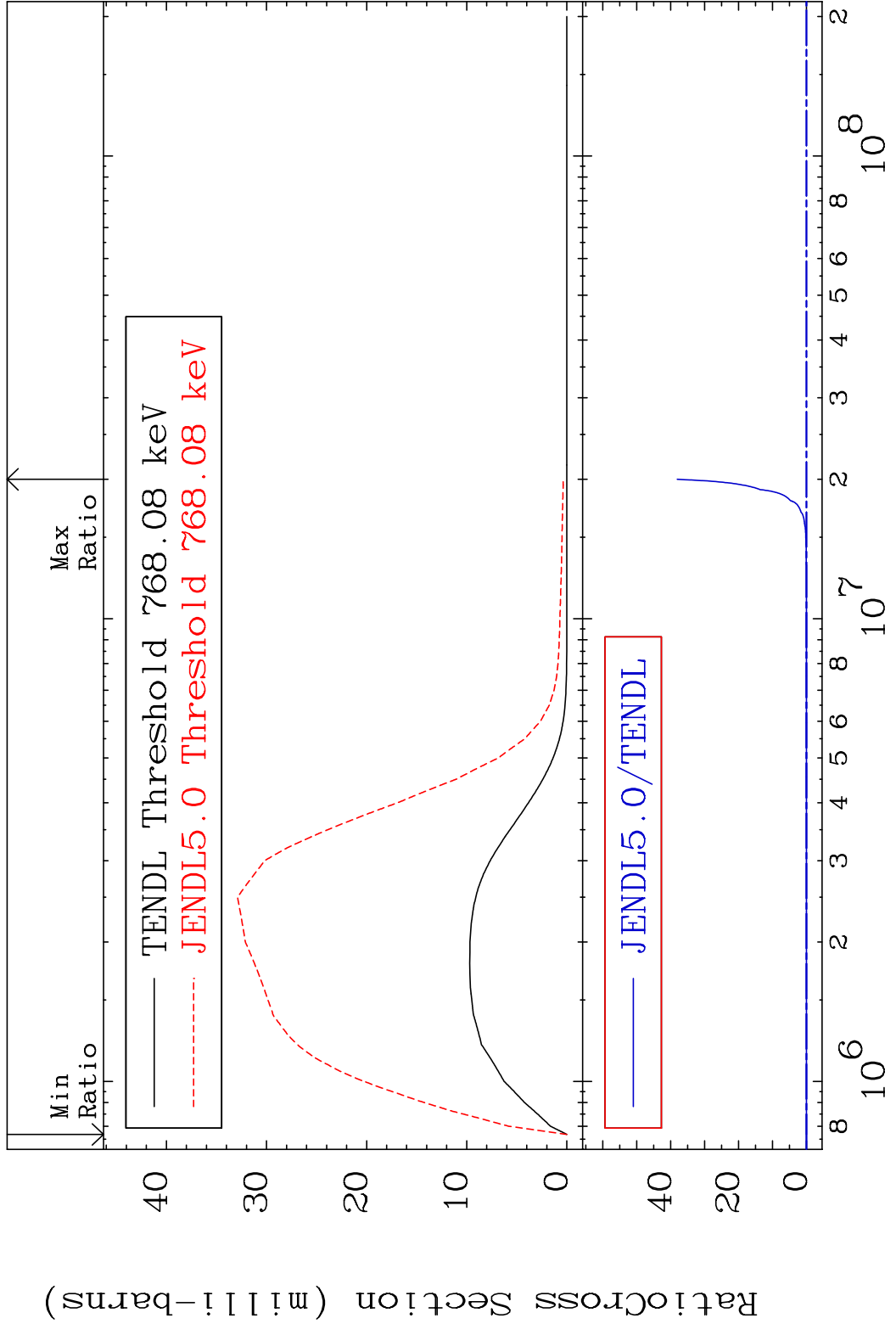
MAT 8128 MT= 67 (n, n') Level 81-Tl-204
 Cross Section 435.1 To 9999. %



MAT 8128 MT= 68 (n, n') Level 81-Tl-204
 Cross Section -43.03 To 9999. %

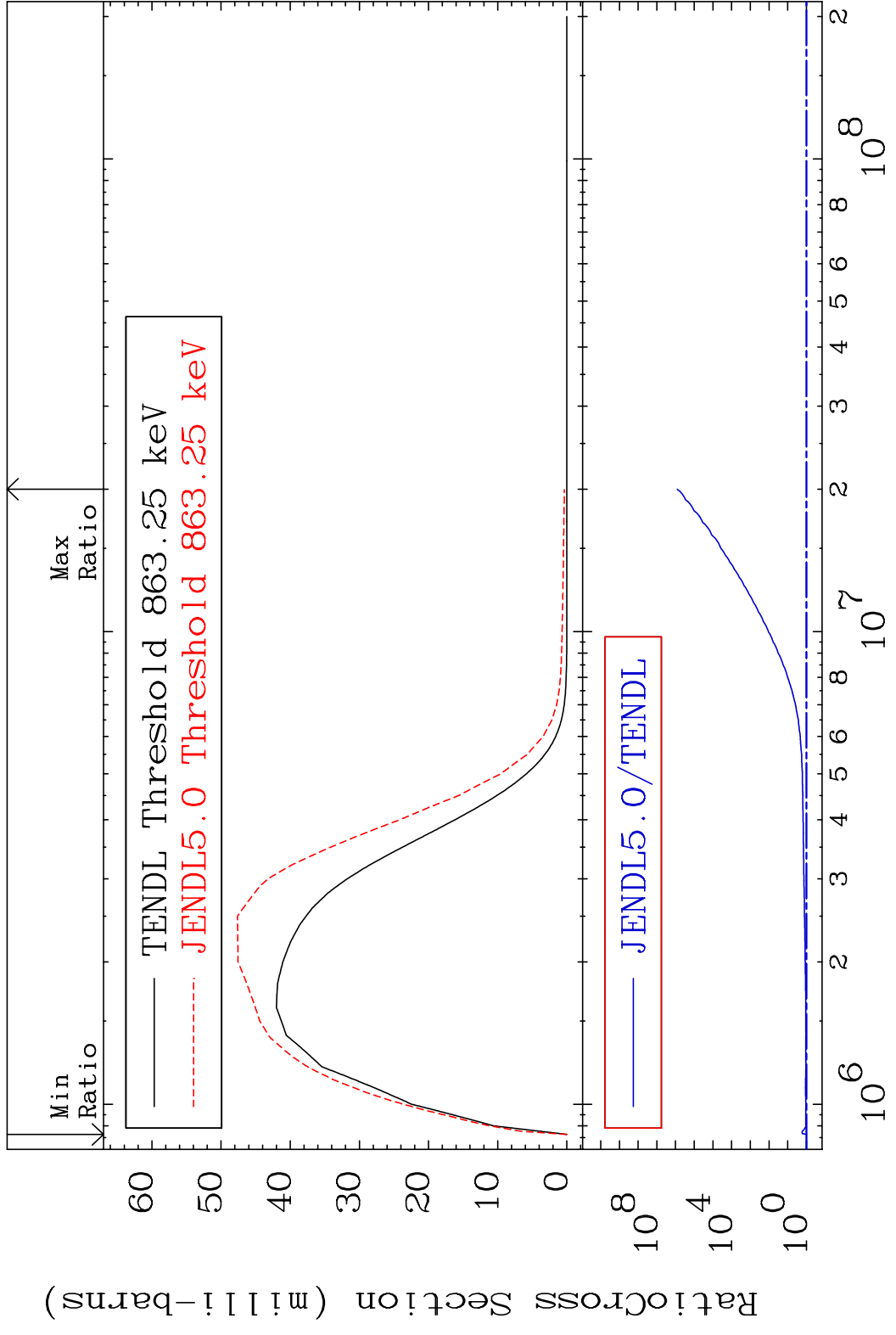


MAT 8128 MT= 69 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 9999. %

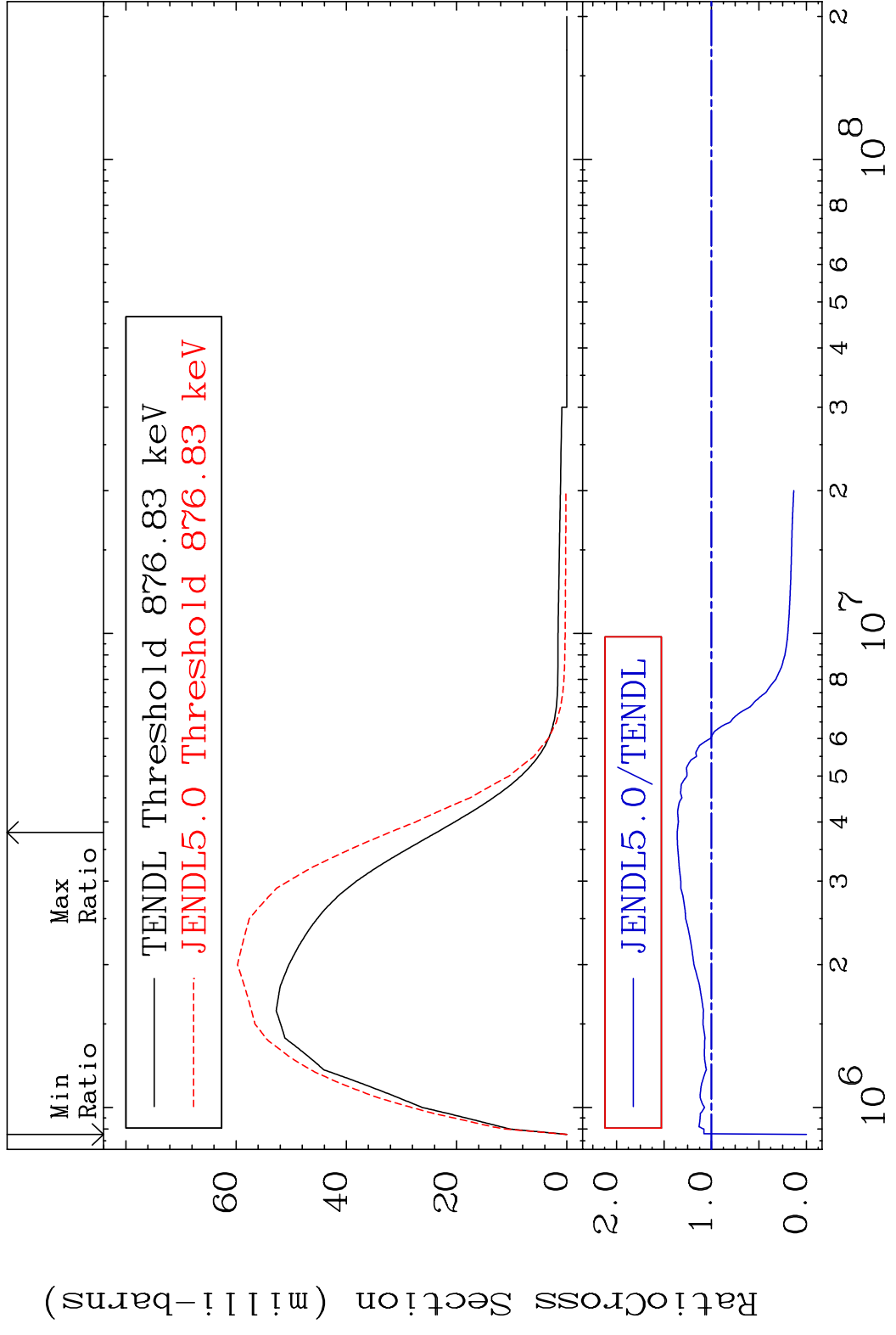


28 Incident Energy (eV) 81-Tl-204

MAT 8128 MT= 70 (n, n') Level 81-Tl-204
 Cross Section 0.000 To 9999. %

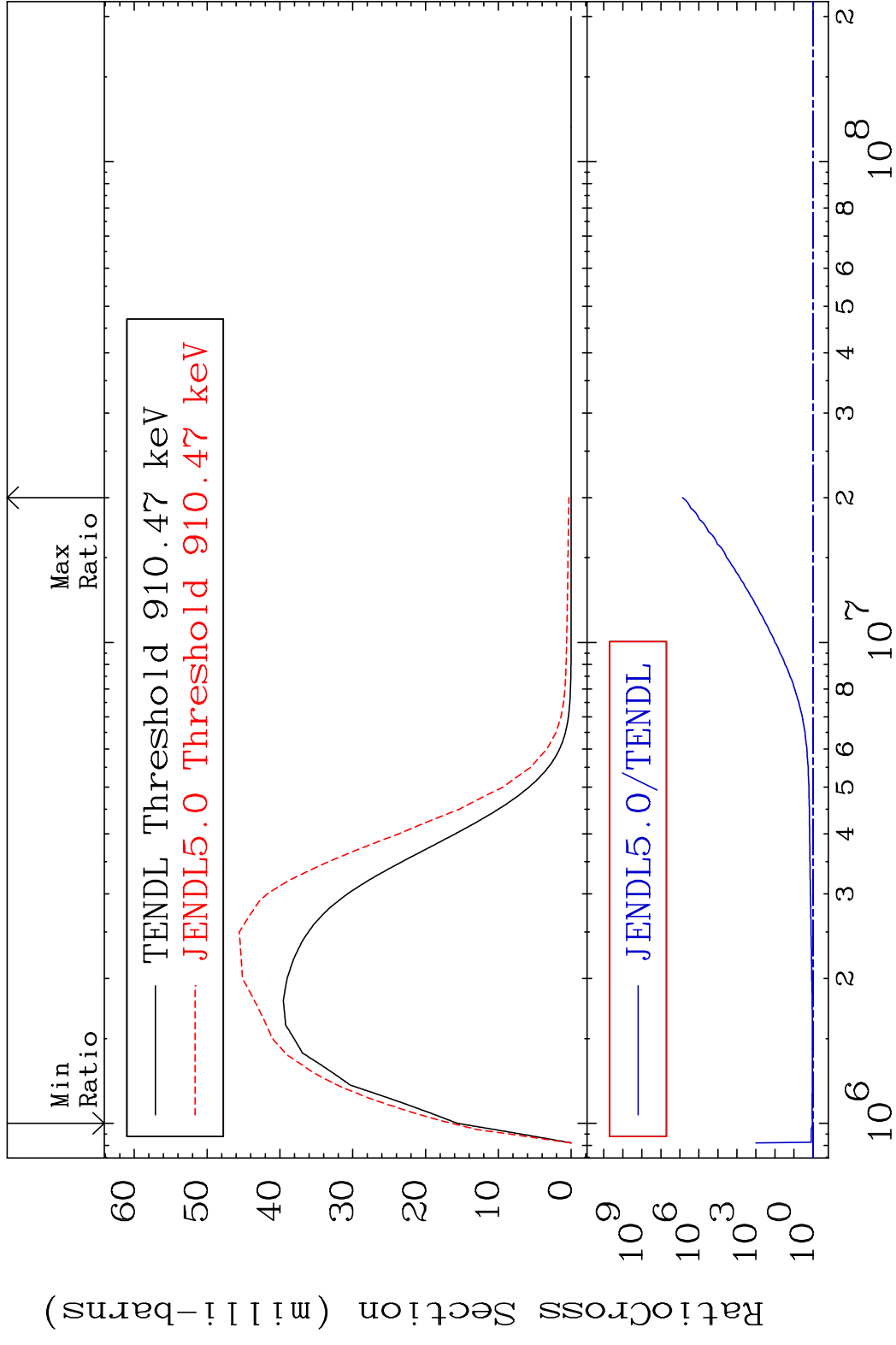


MAT 8128 MT= 71 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 36.12 %

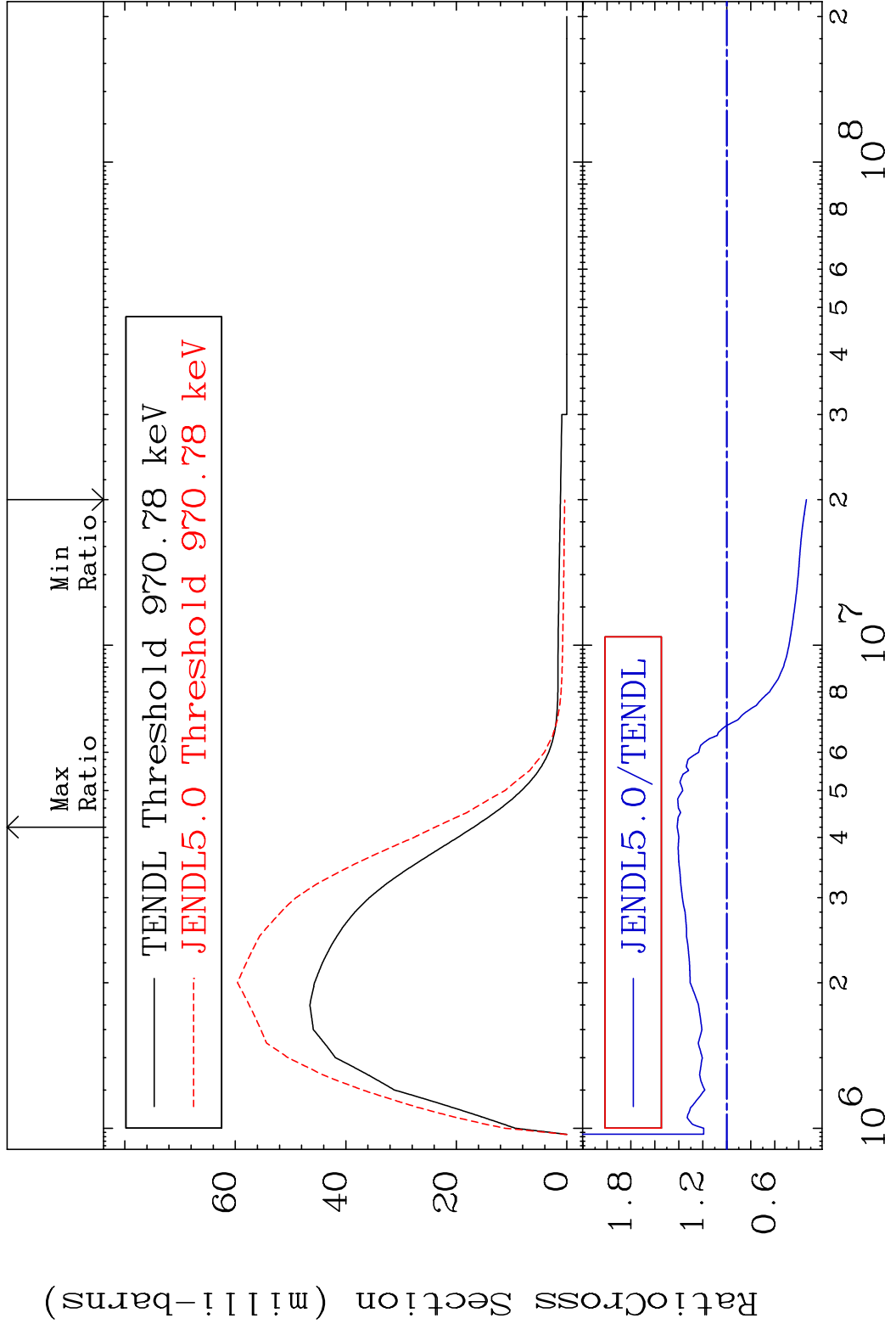


30 Incident Energy (eV) 81-Tl-204

MAT 8128 MT= 72 (n, n') Level 81-Tl-204
 Cross Section 4.998 To 9999. %

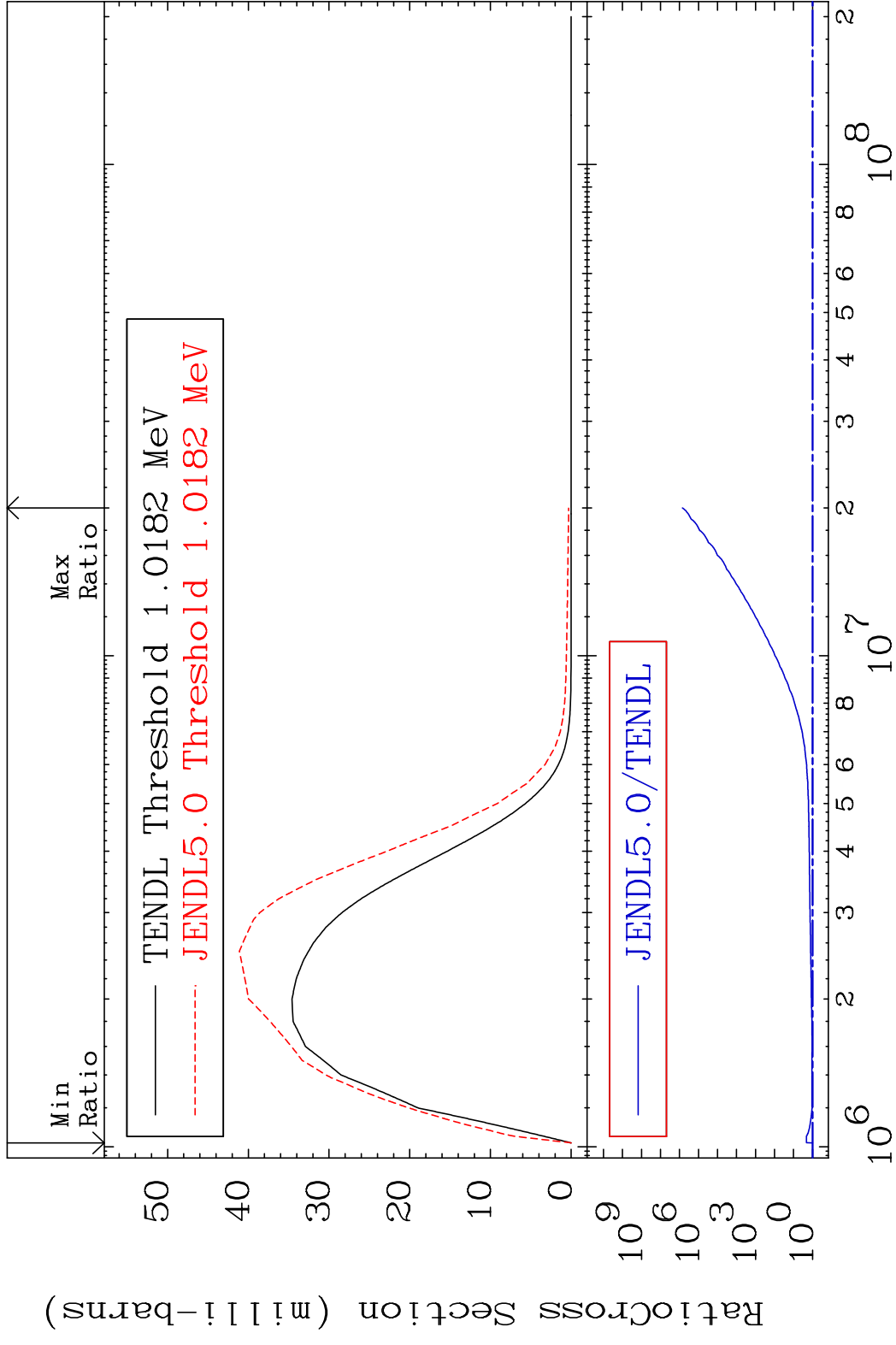


MAT 8128 MT= 73 (n, n') Level 81-Tl-204
 Cross Section -66.44 To 41.40 %



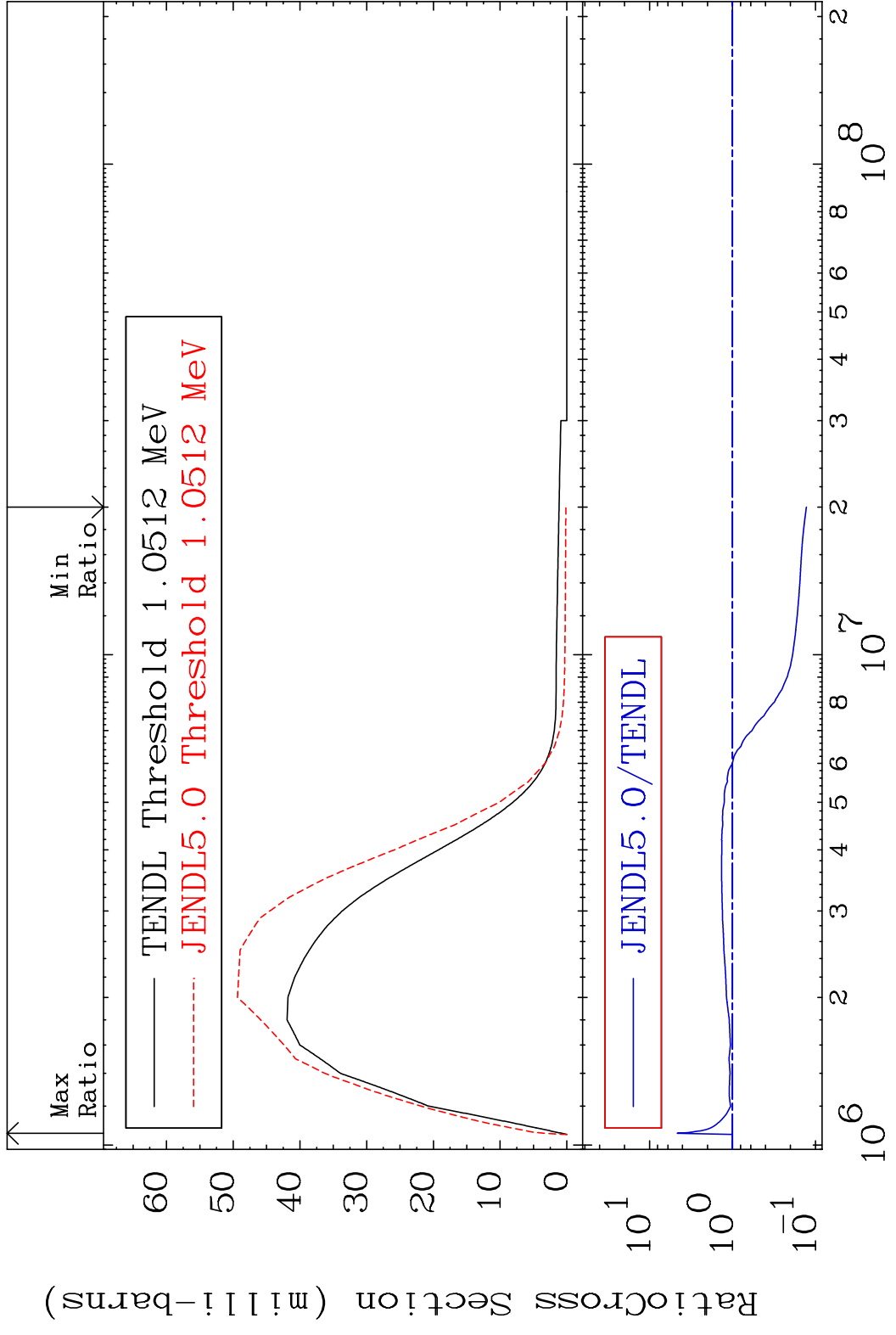
32 Incident Energy (eV) 81-Tl-204

MAT 8128 MT= 74 (n, n') Level 81-Tl-204
 Cross Section 0.000 To 9999. %

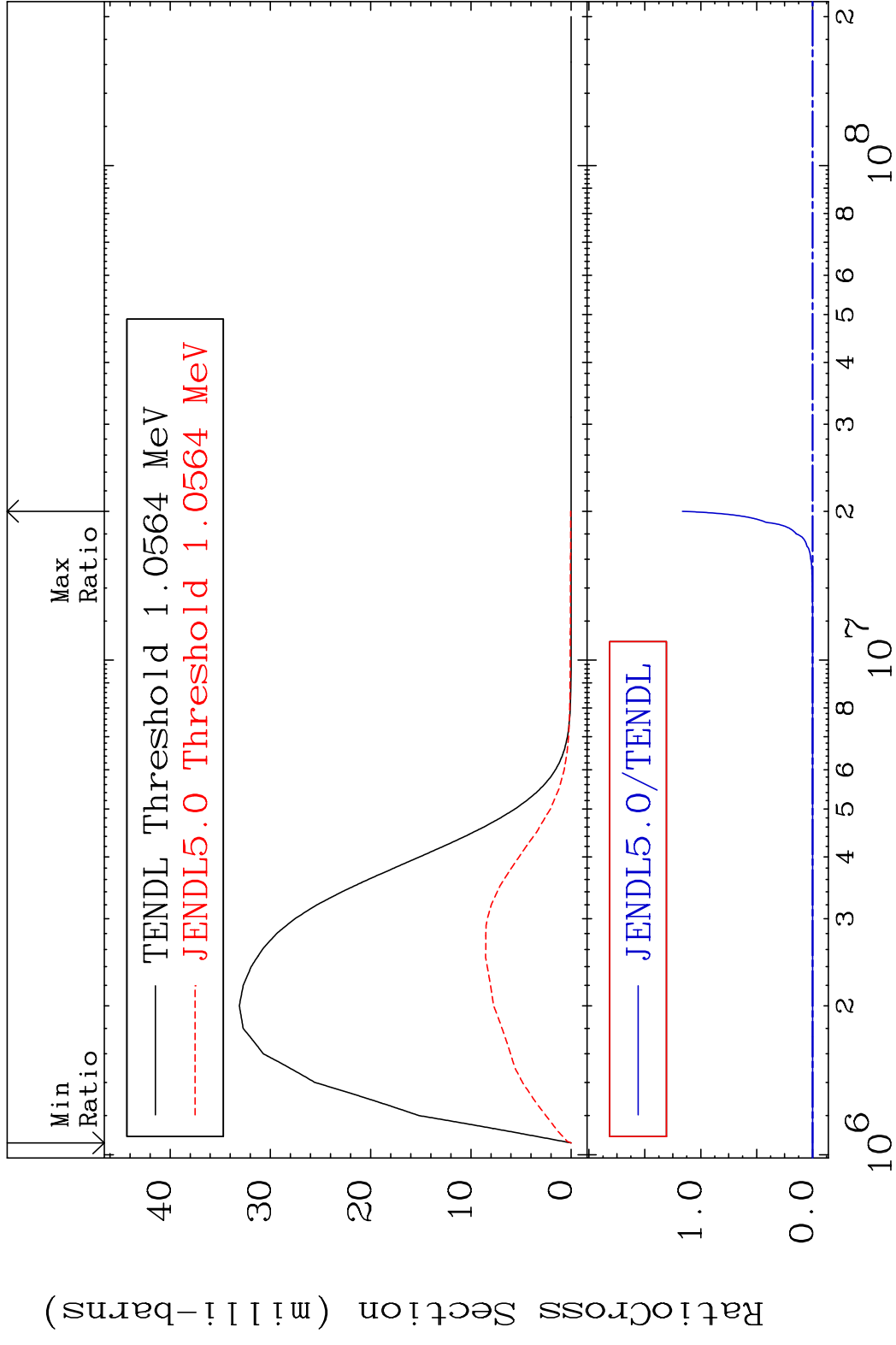


33 Incident Energy (eV) 81-Tl-204

MAT 8128 MT= 75 (n, n') Level 81-Tl-204
 Cross Section -87.15 To 363.8 %

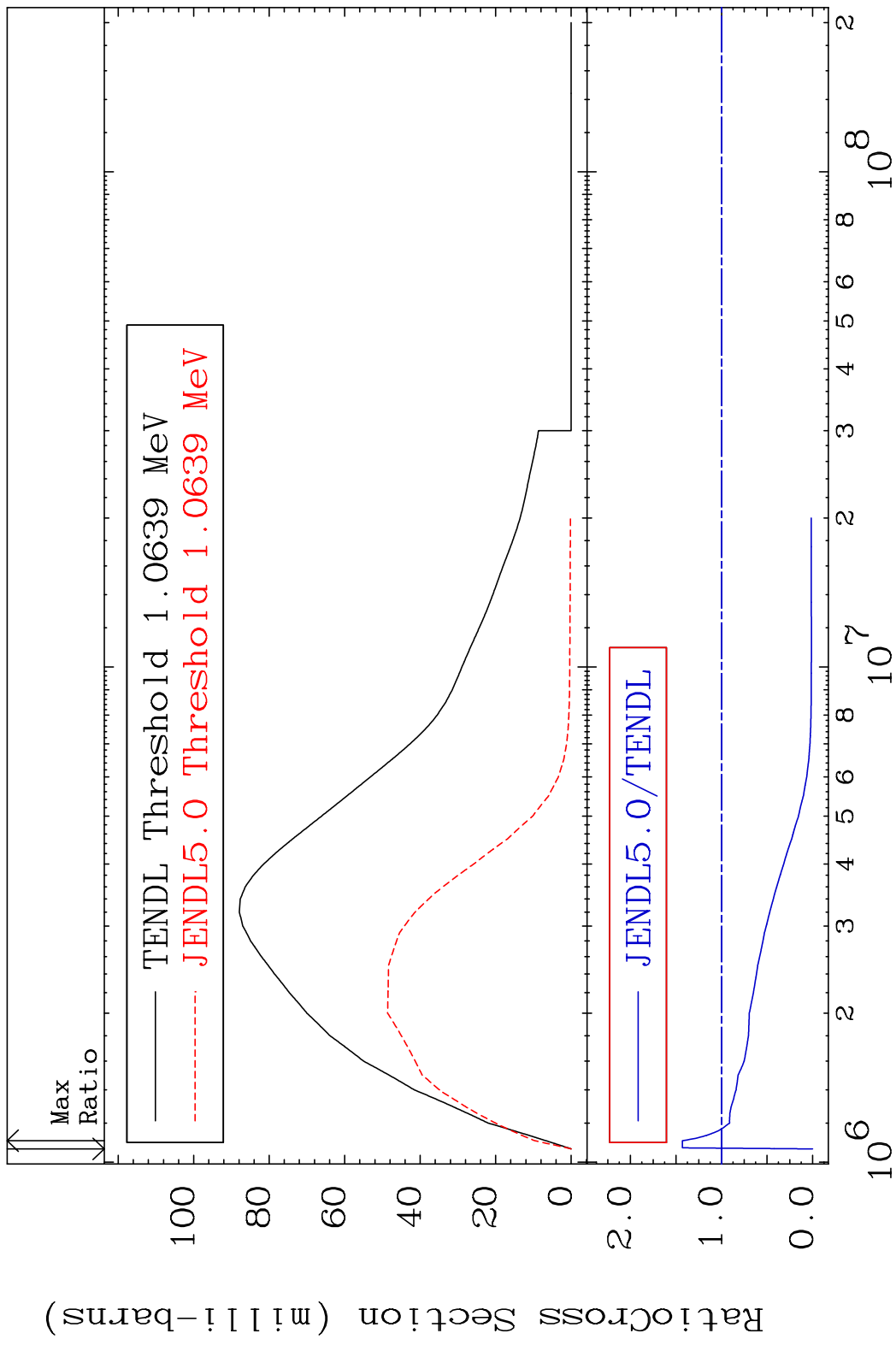


MAT 8128 MT= 76 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 9999. %



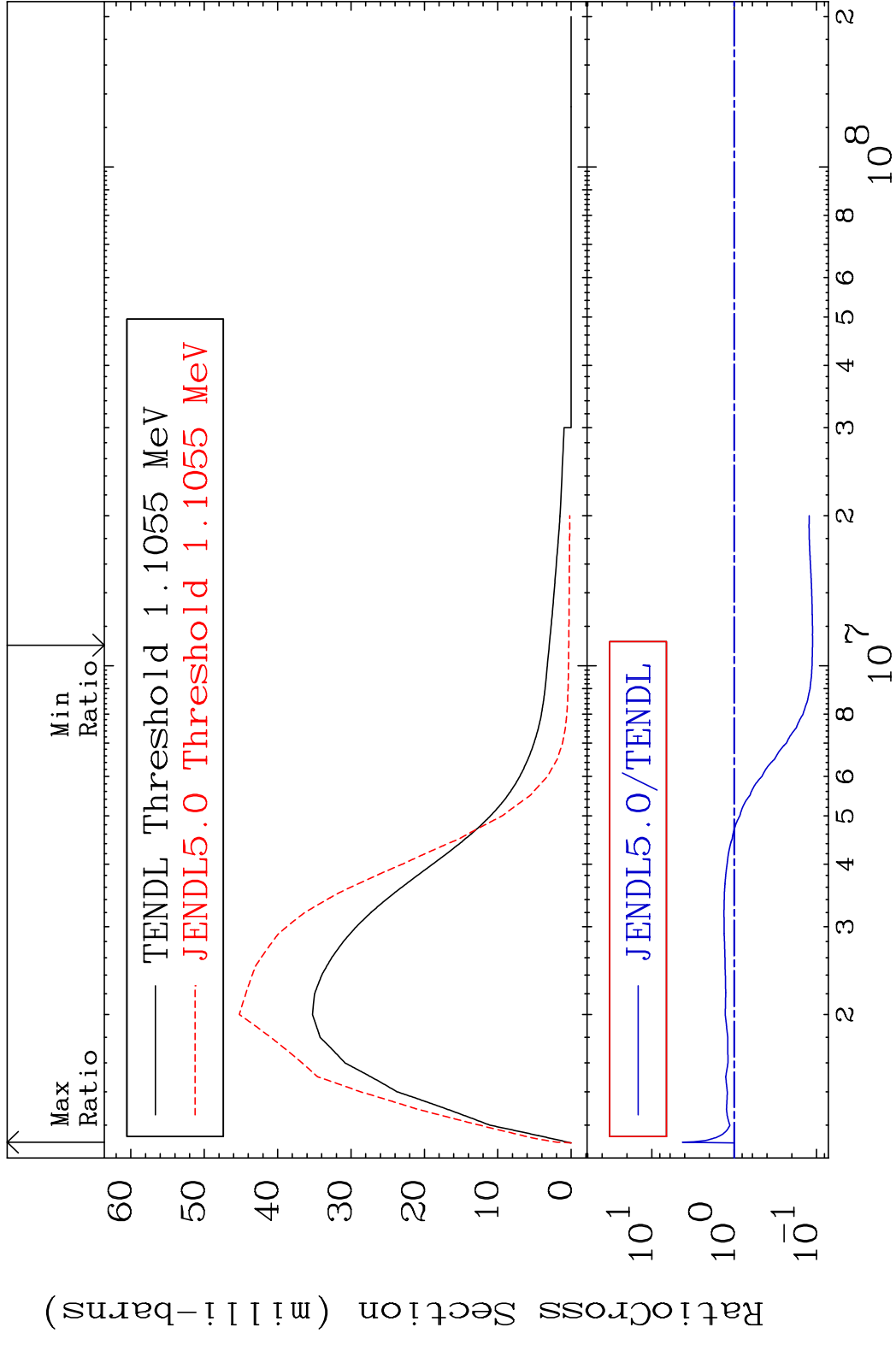
35 Incident Energy (eV) 81-Tl-204

MAT 8128 MT= 77 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 43.03 %

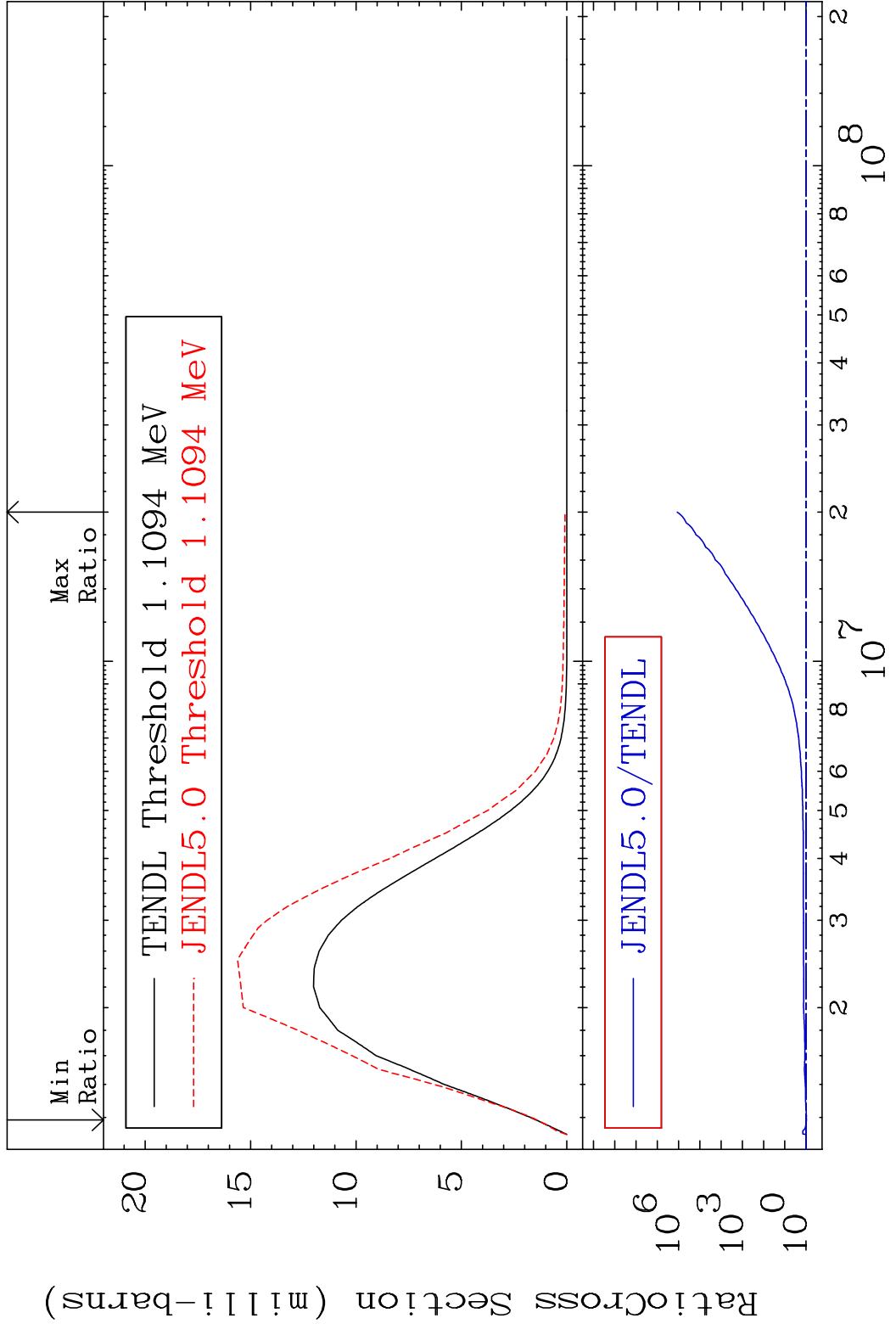


36 Incident Energy (eV) 81-Tl-204

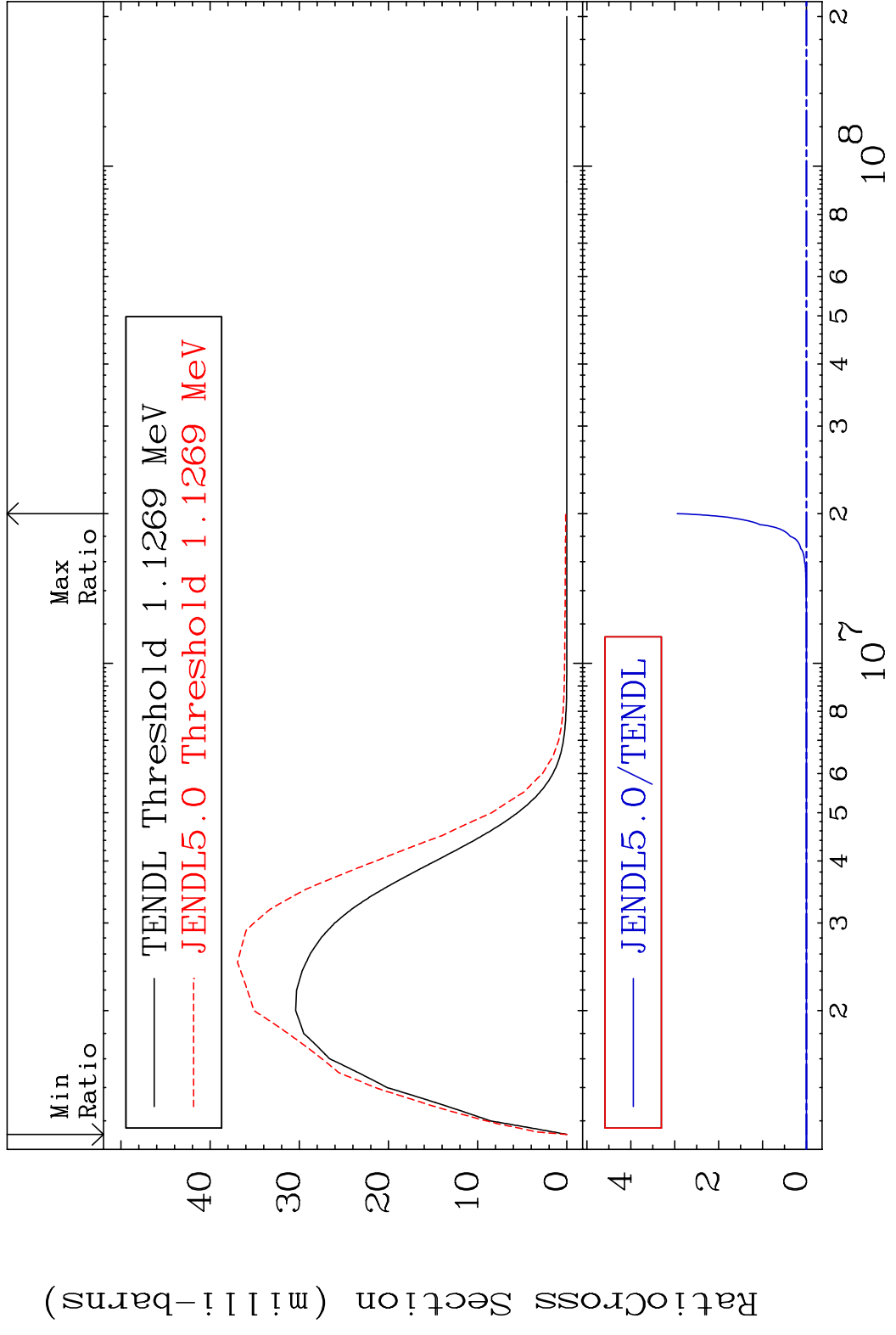
MAT 8128 MT= 78 (n, n') Level 81-Tl-204
 Cross Section -88.82 To 325.5 %



MAT 8128 MT= 79 (n, n') Level 81-Tl-204
 Cross Section -3.516 To 9999. %



MAT 8128 MT= 80 (n, n') Level 81-Tl-204
 Cross Section -100.0 To 9999. %

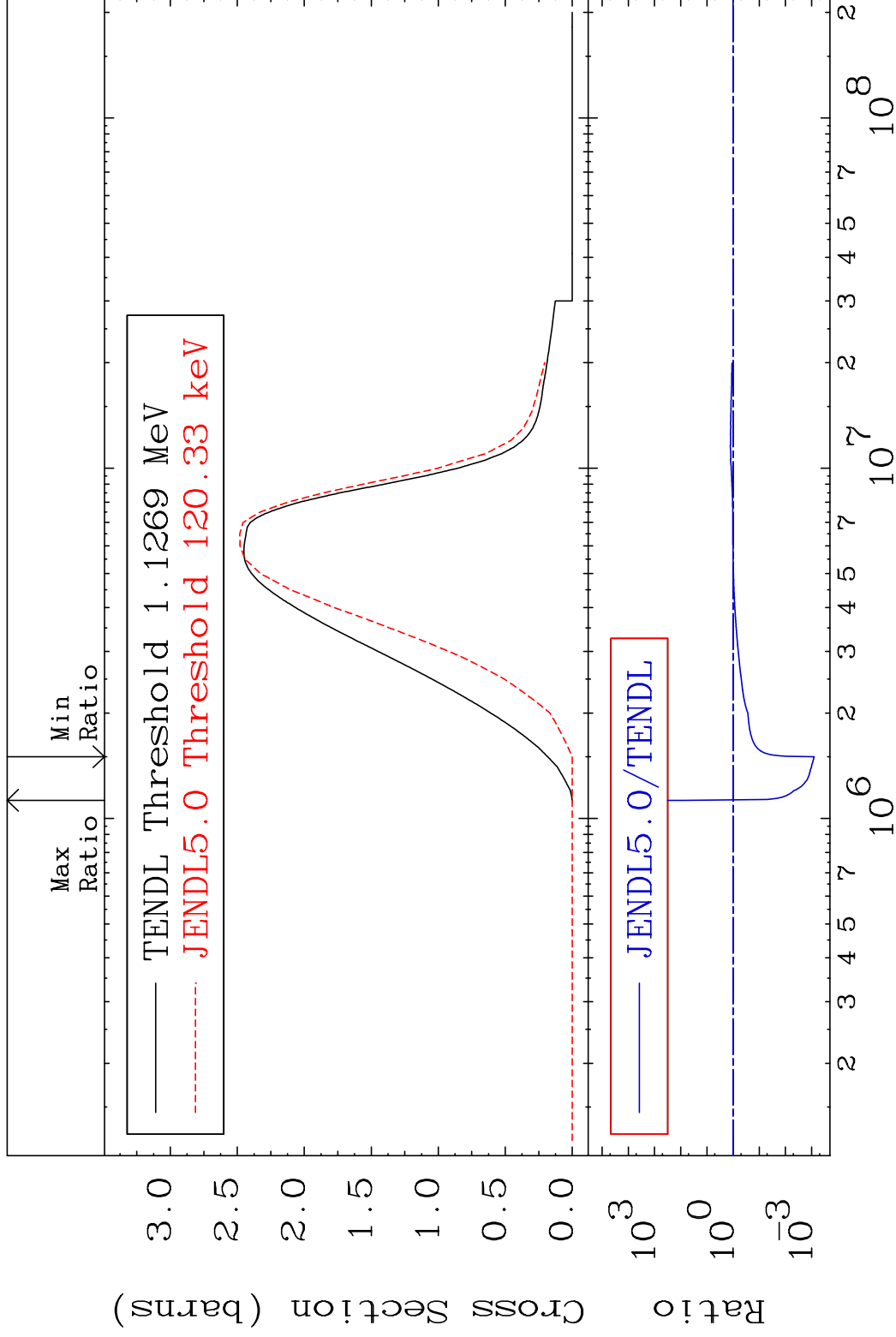


MAT 8128

(n, n') Continuum

81-Tl-204

Cross Section -99.92 To 7610. %



40

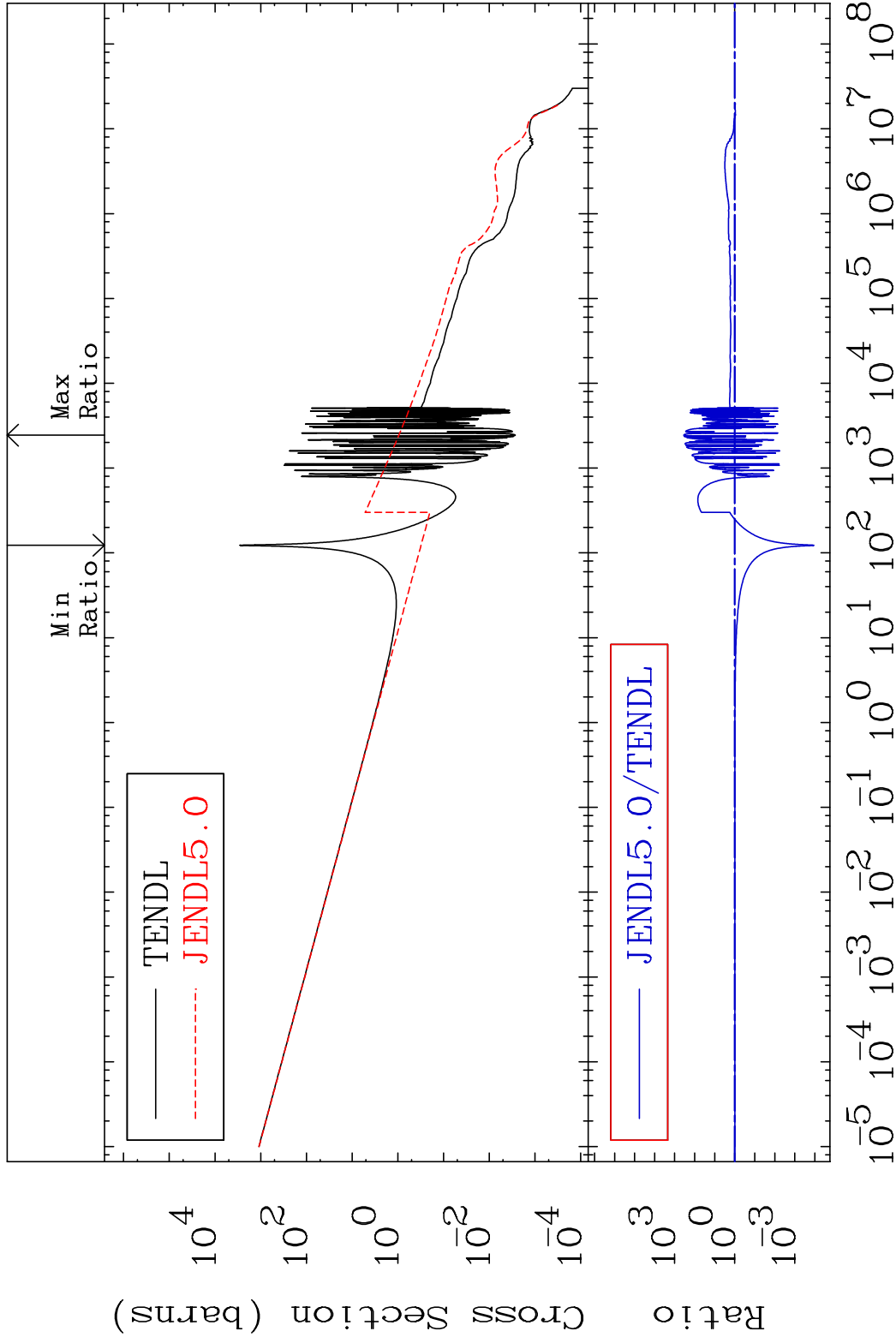
Incident Energy (eV)

81-Tl-204

MAT 8128

(n, γ)
Cross Section -99.99 To 9999. %

81-Tl-204



41

Incident Energy (eV)

81-Tl-204

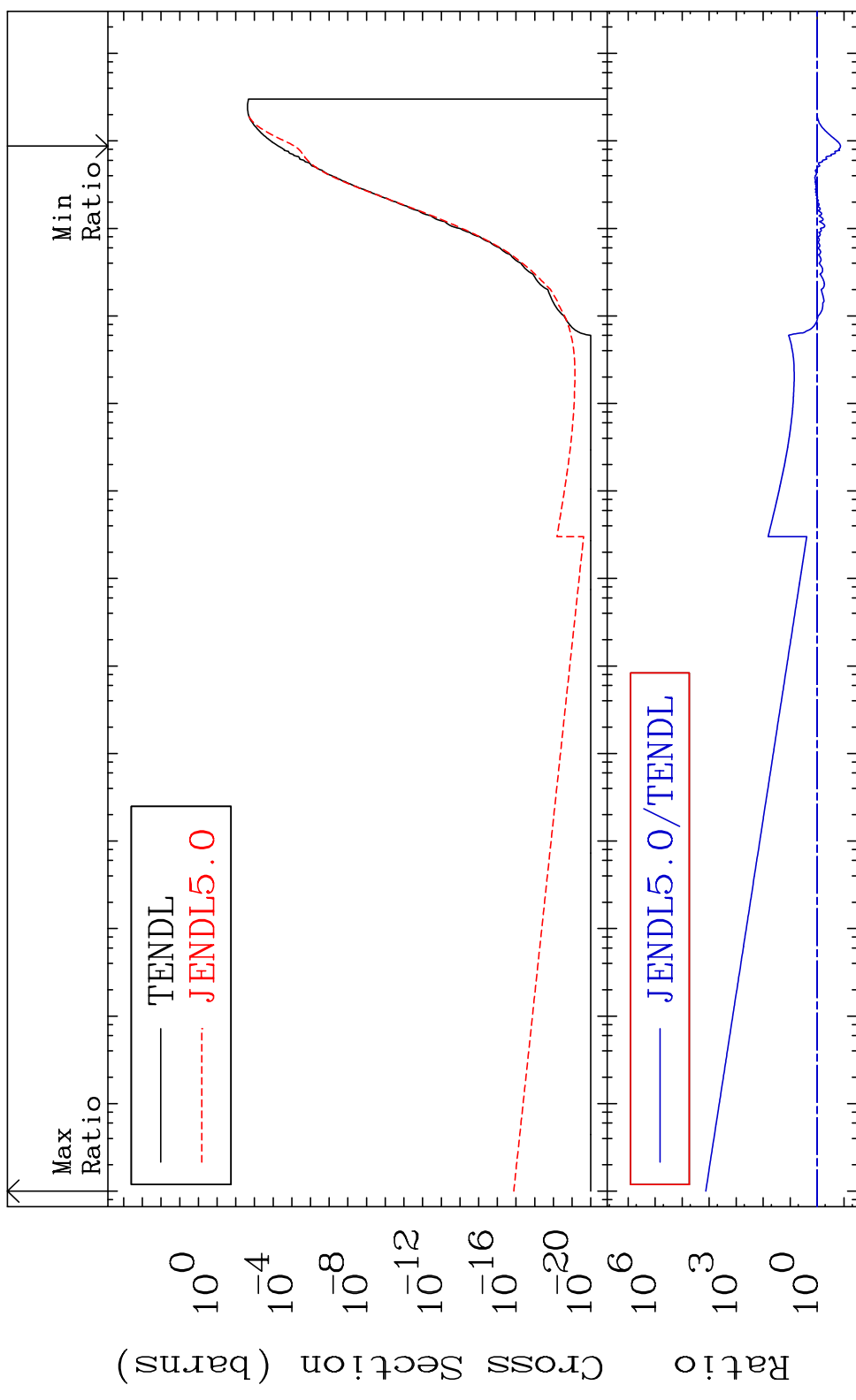
MAT 8128

(n,p)

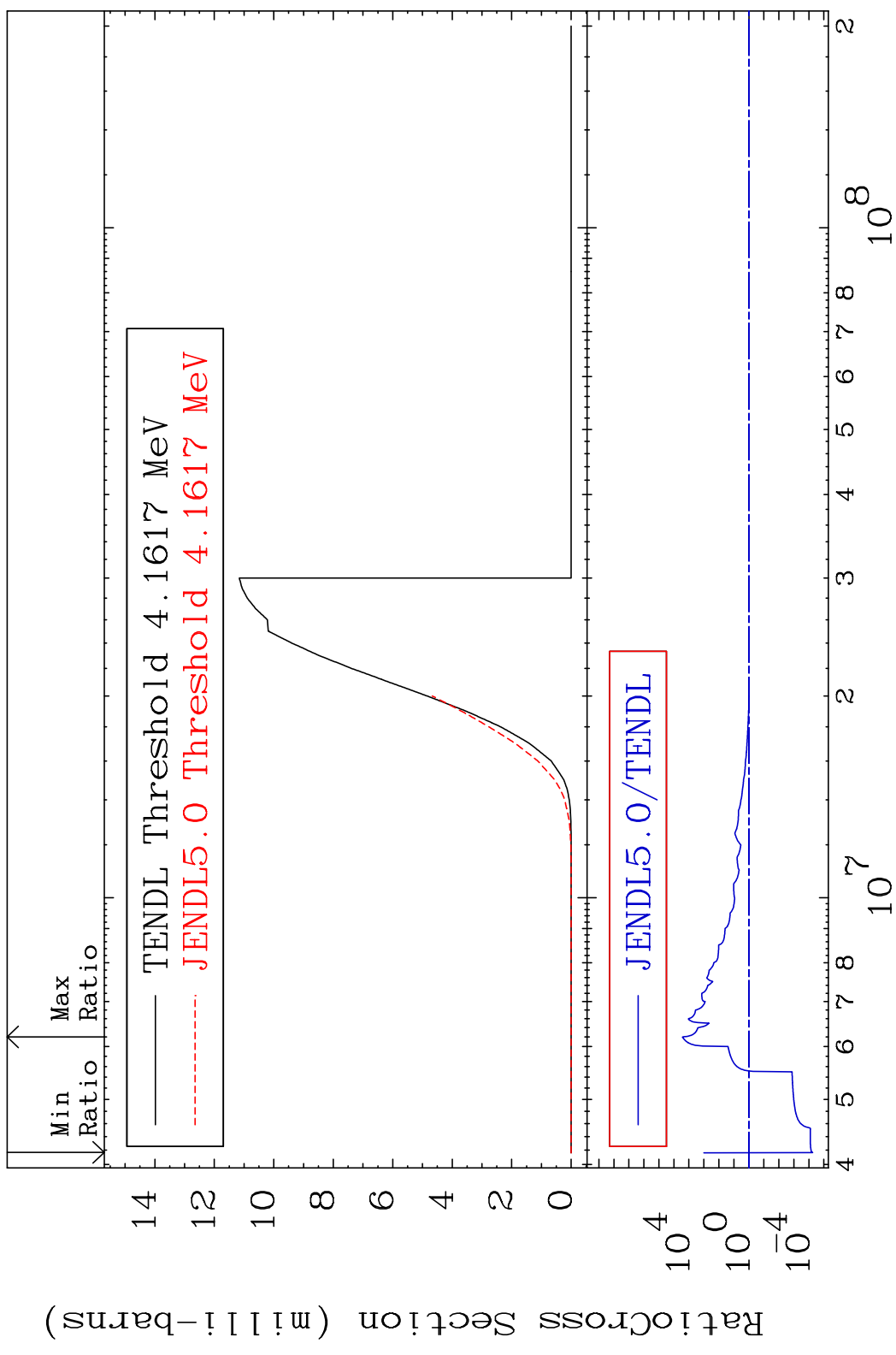
81-Tl-204

Cross Section

-86.29 To 9999. %



Cross Section -99.99 To 9999. %

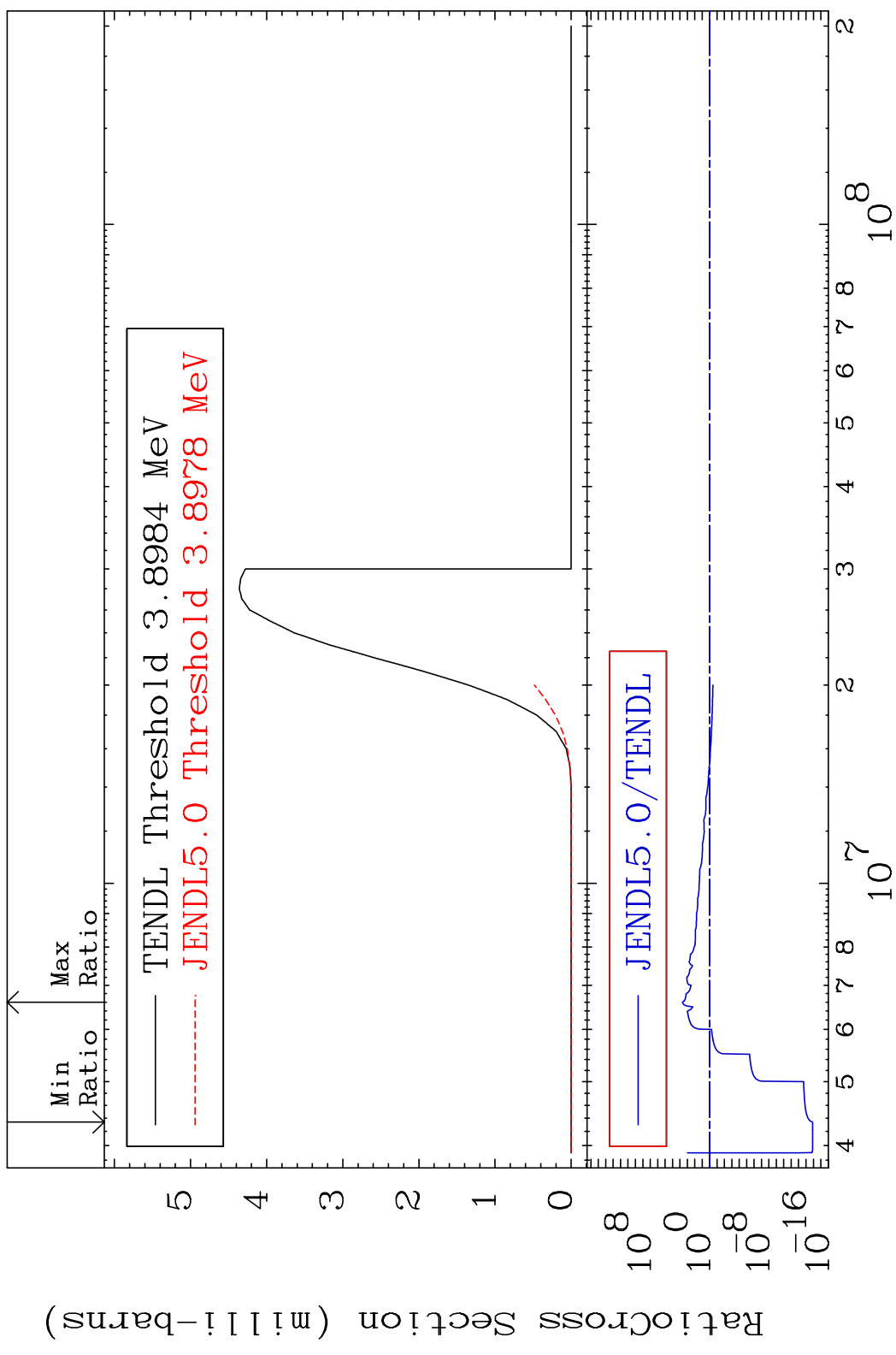


MAT 8128

(n, t)

81-Tl-204

Cross Section -100.0 To 9999. %

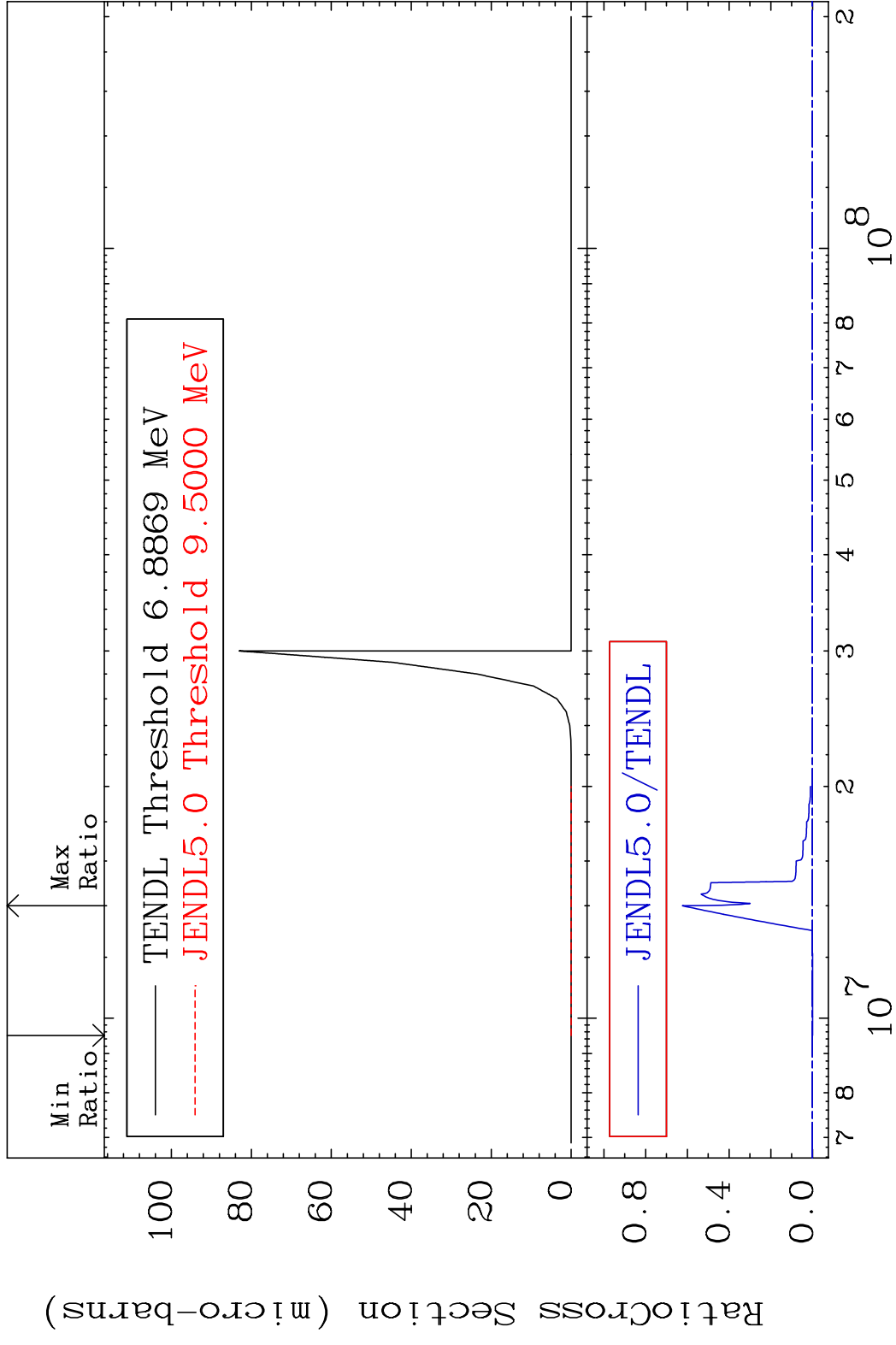


MAT 8128

(n, He-3)

81-Tl-204

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

81-Tl-204

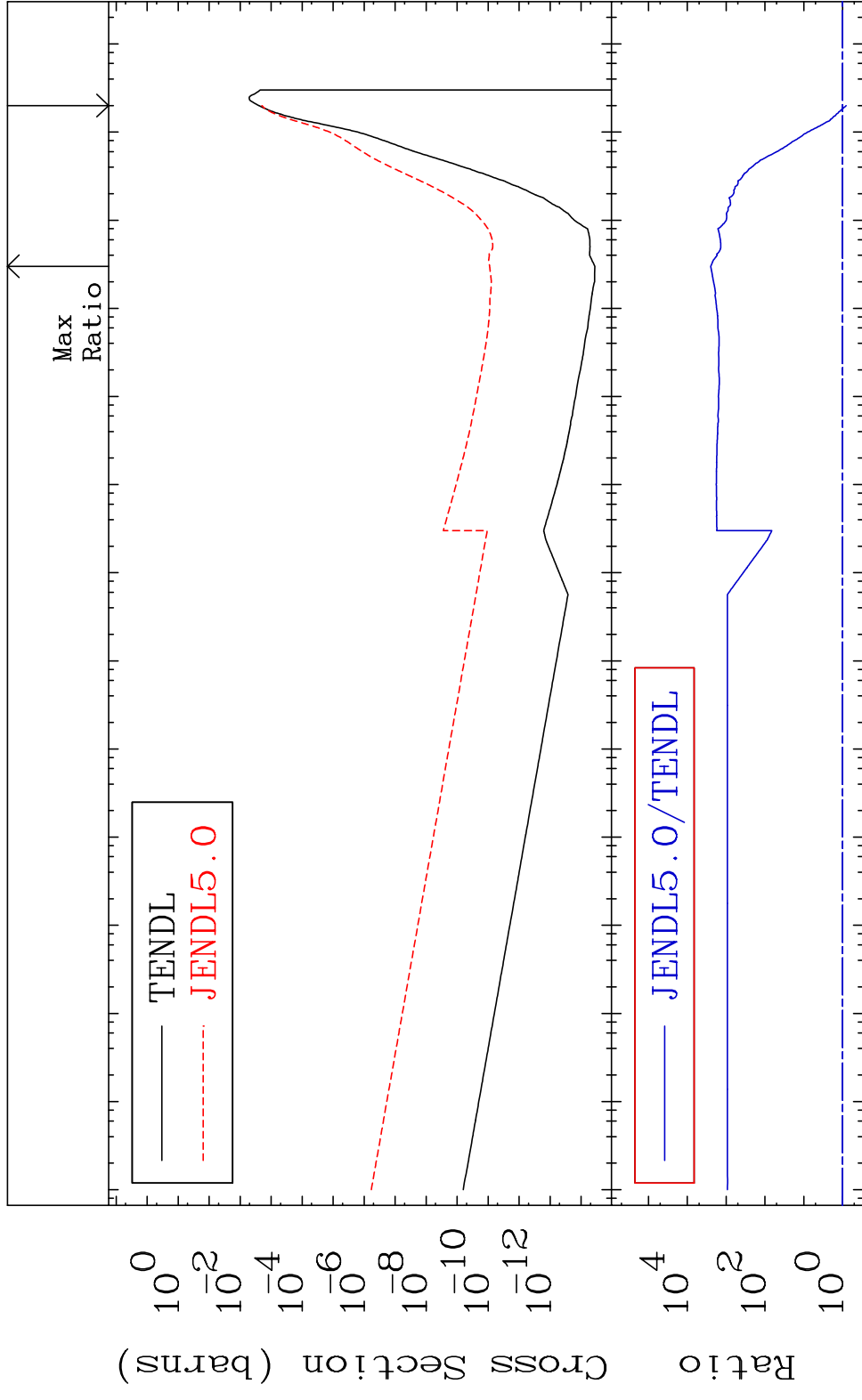
MAT 8128

(n, α)

81-Tl-204

Cross Section

-19.74 To 9999. %

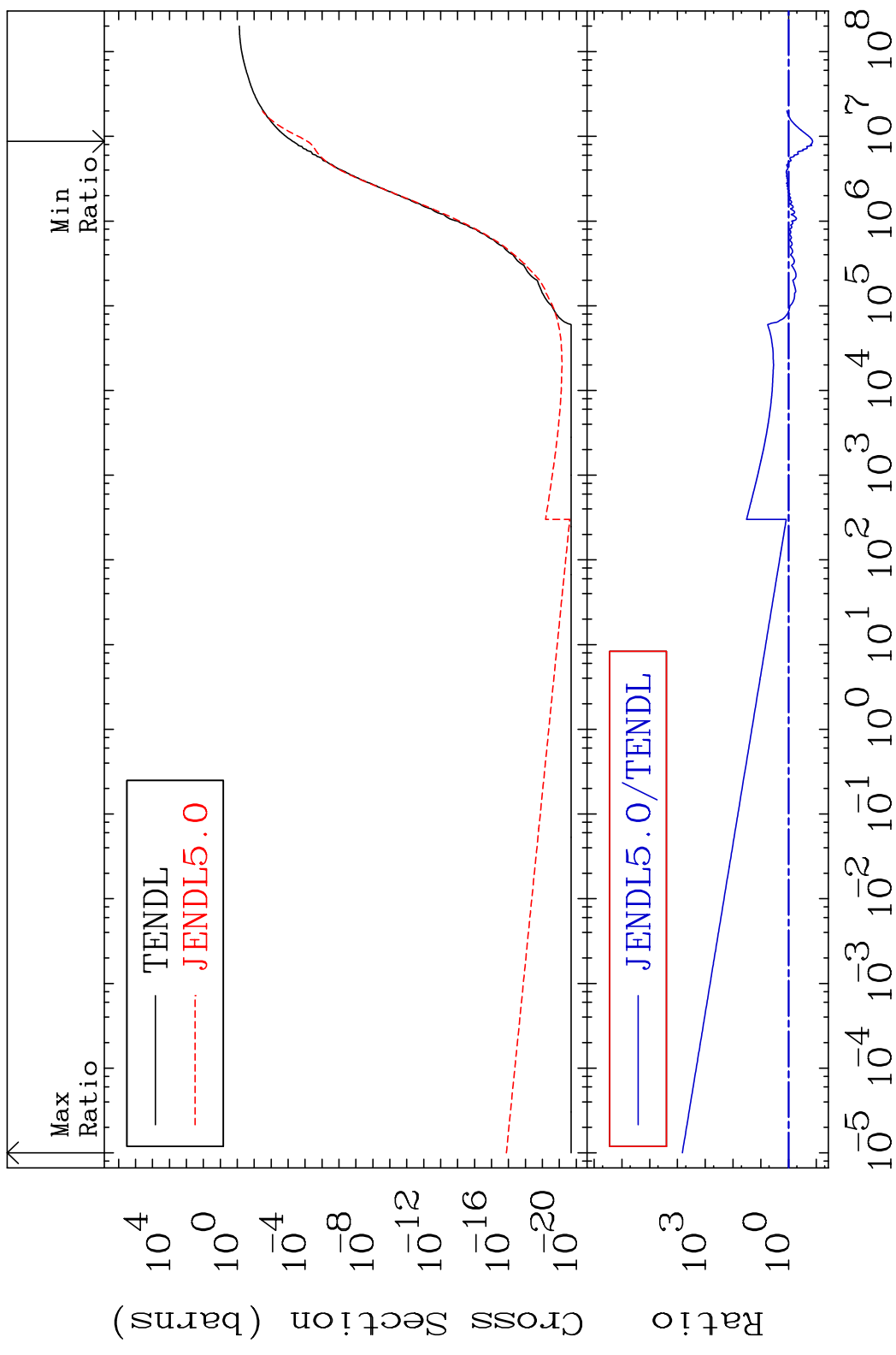


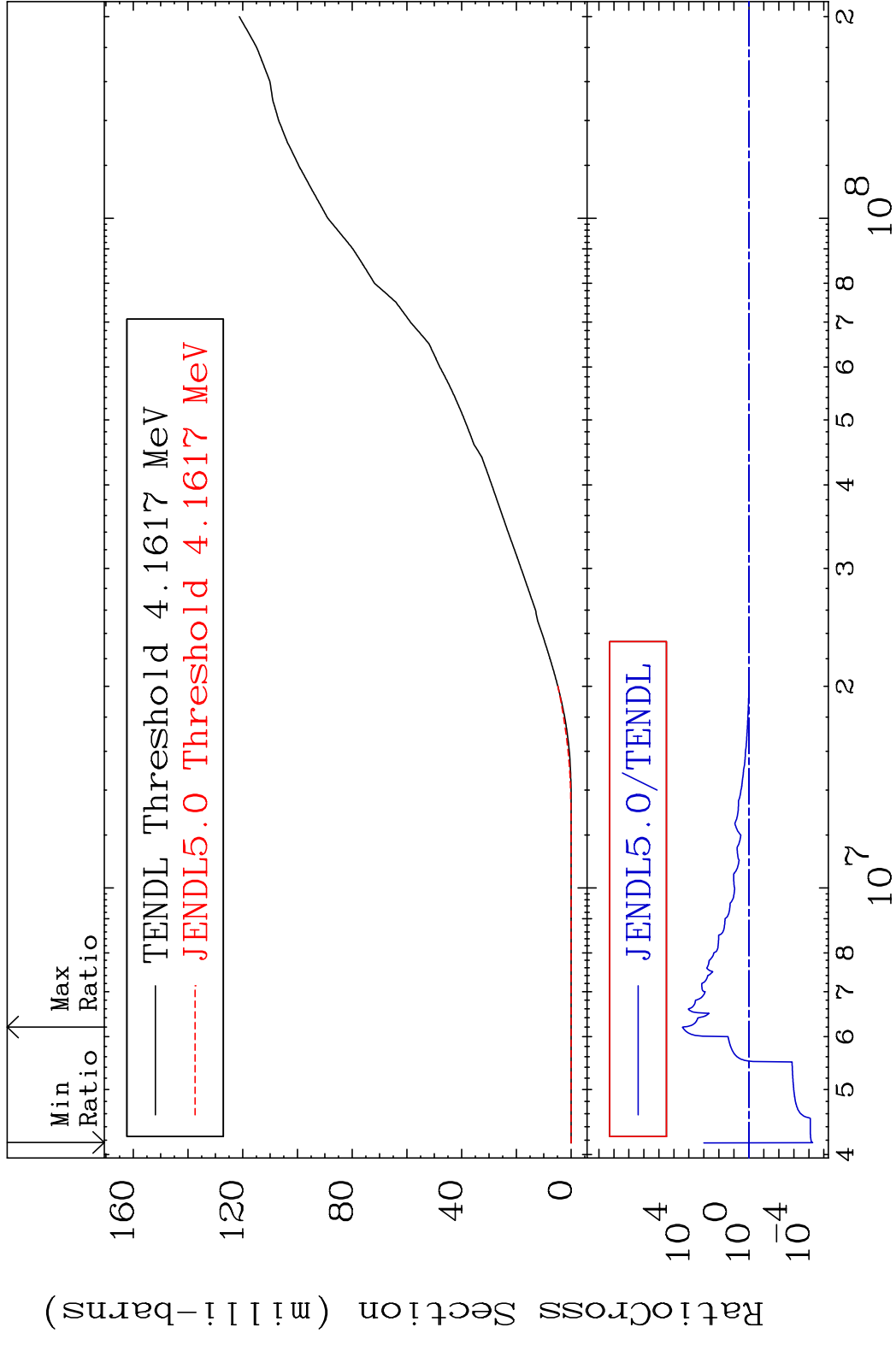
MAT 8128

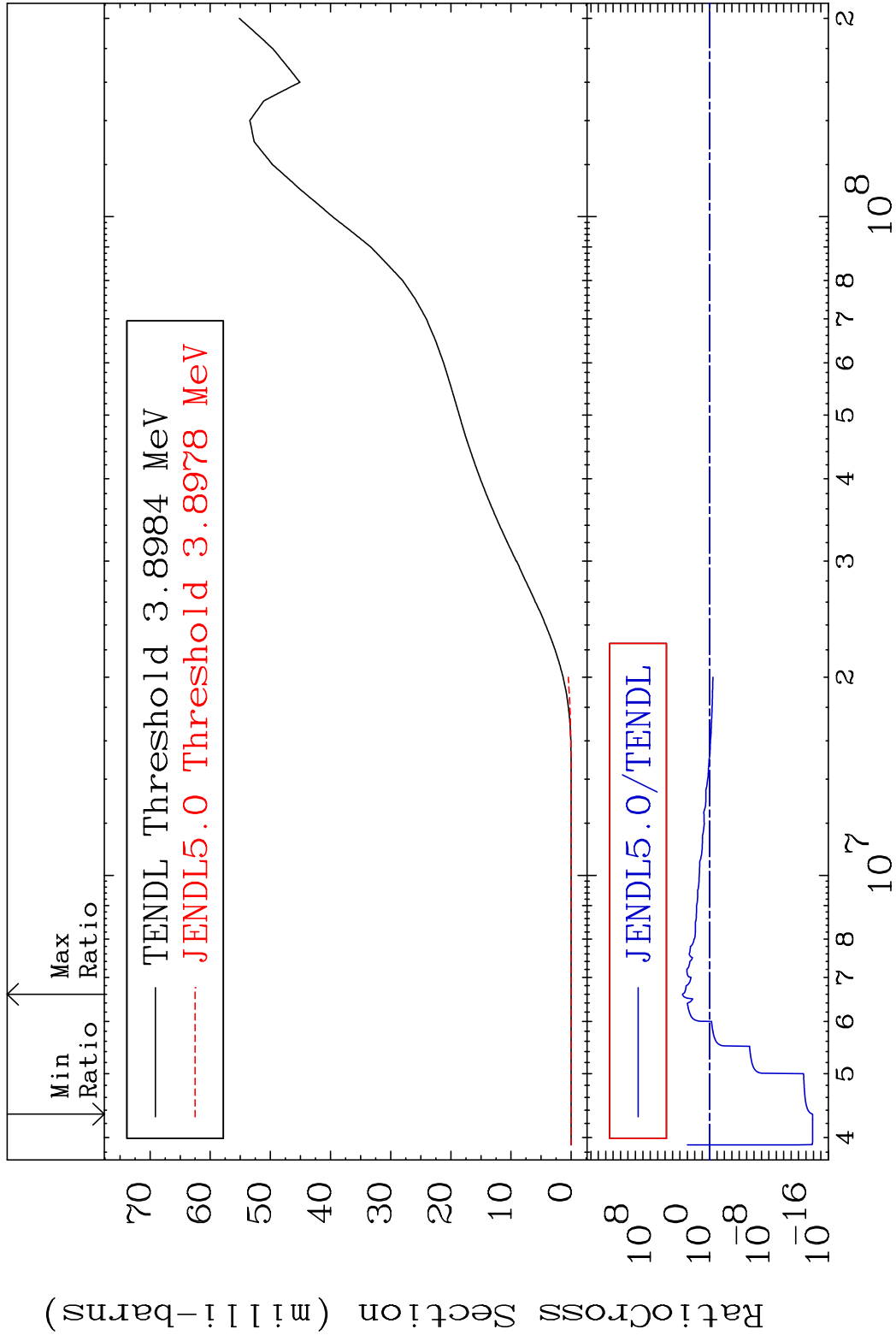
Hydrogen Production

81-T1-204

Cross Section -86.29 To 9999. %





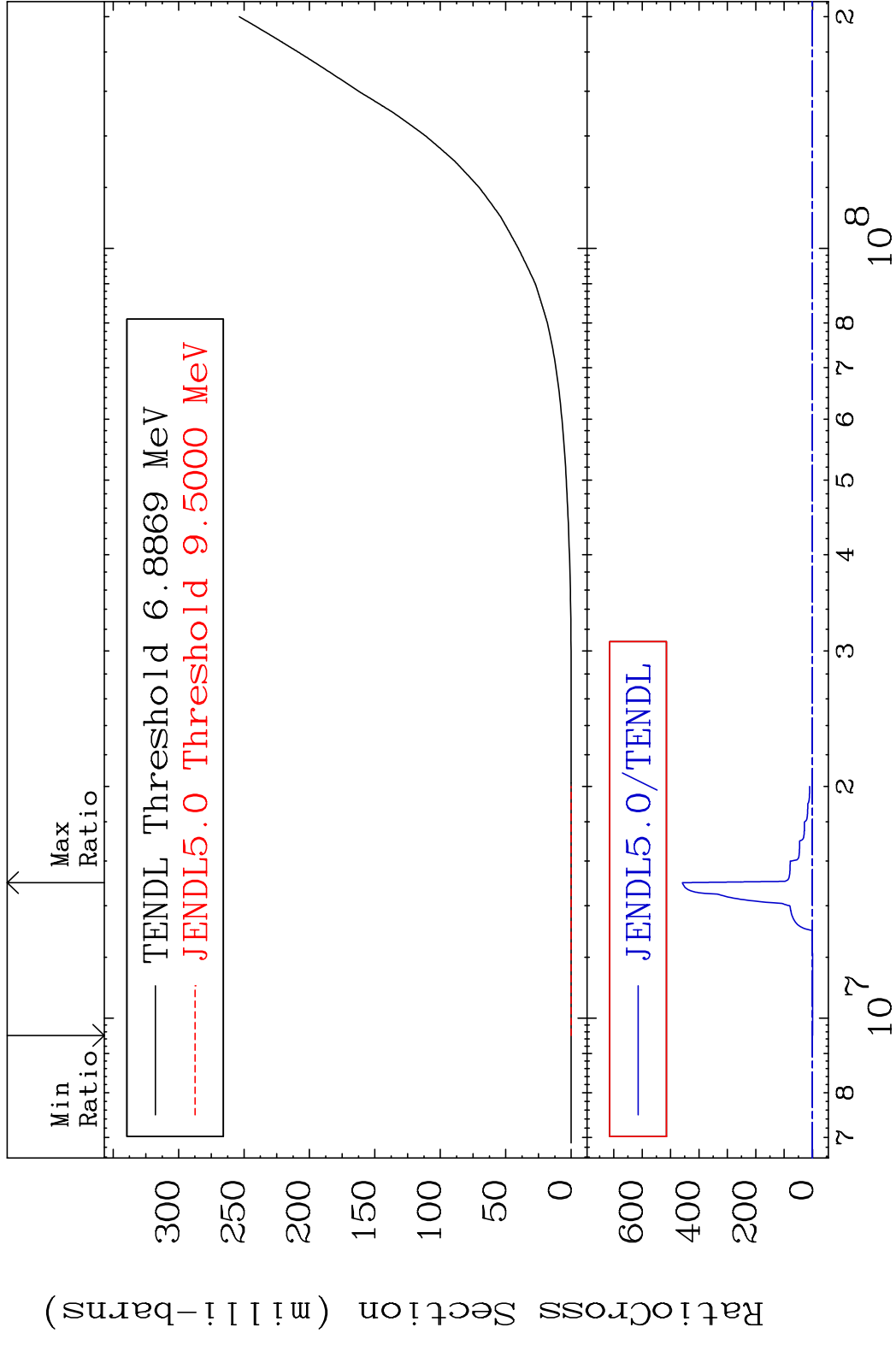


MAT 8128

He-3 Production

81-T1-204

Cross Section -100.0 To 9999. %



50

Incident Energy (eV)

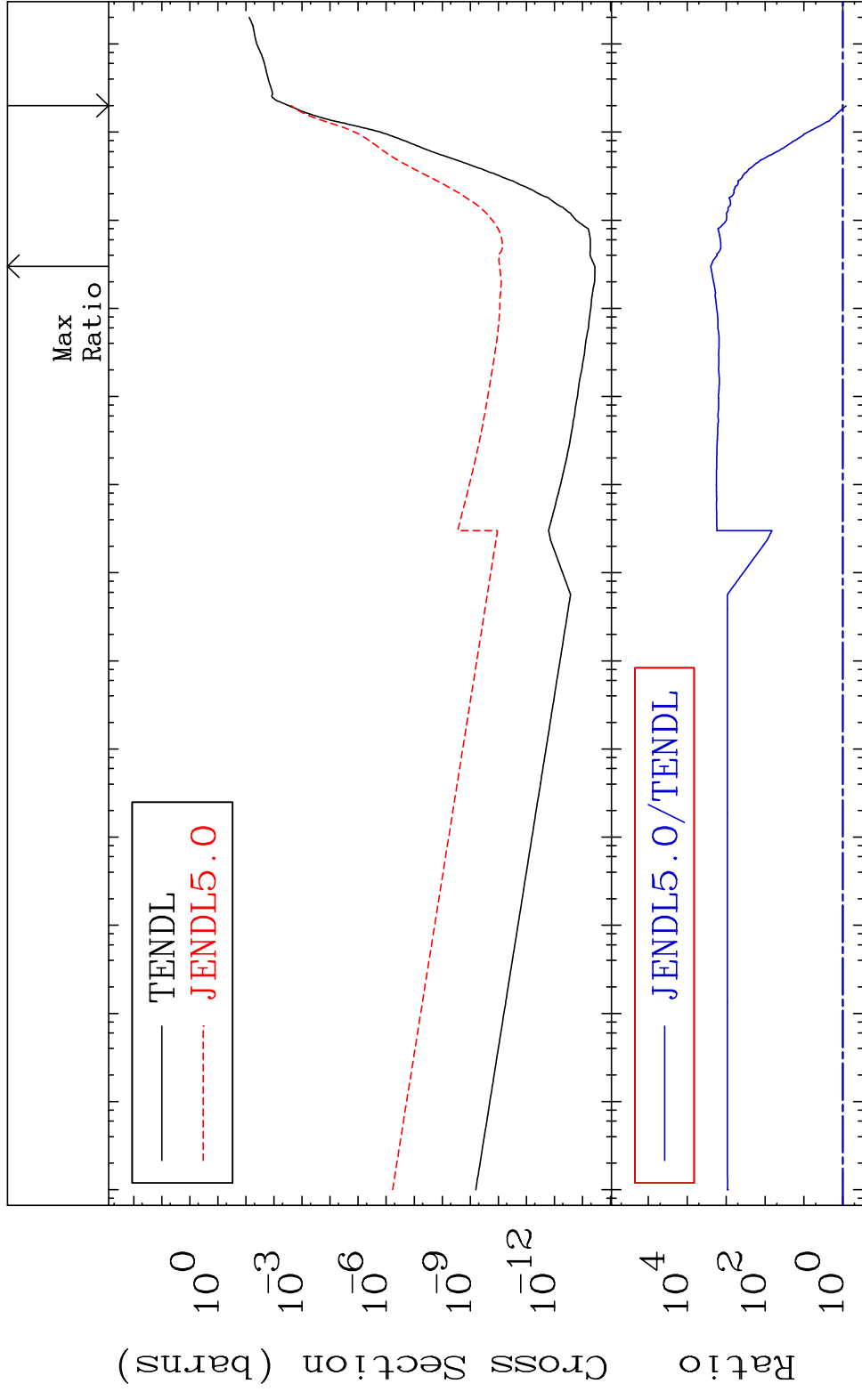
81-T1-204

MAT 8128

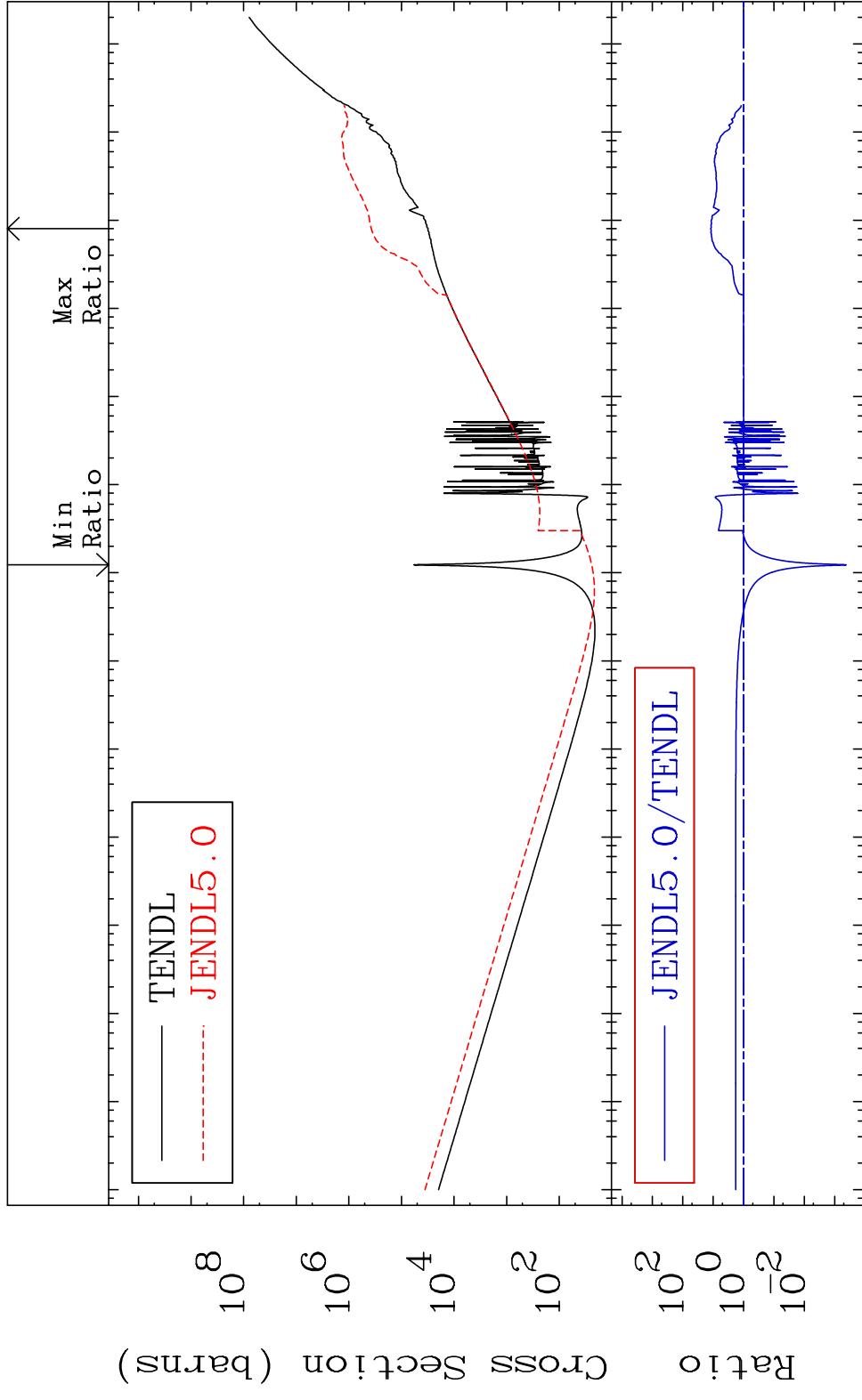
He-4 Production

81-T1-204

Cross Section -18.67 To 9999. %



MAT 8128 Kerma total (eV-barns) 81-Tl-204
 Cross Section -99.96 To 1105. %

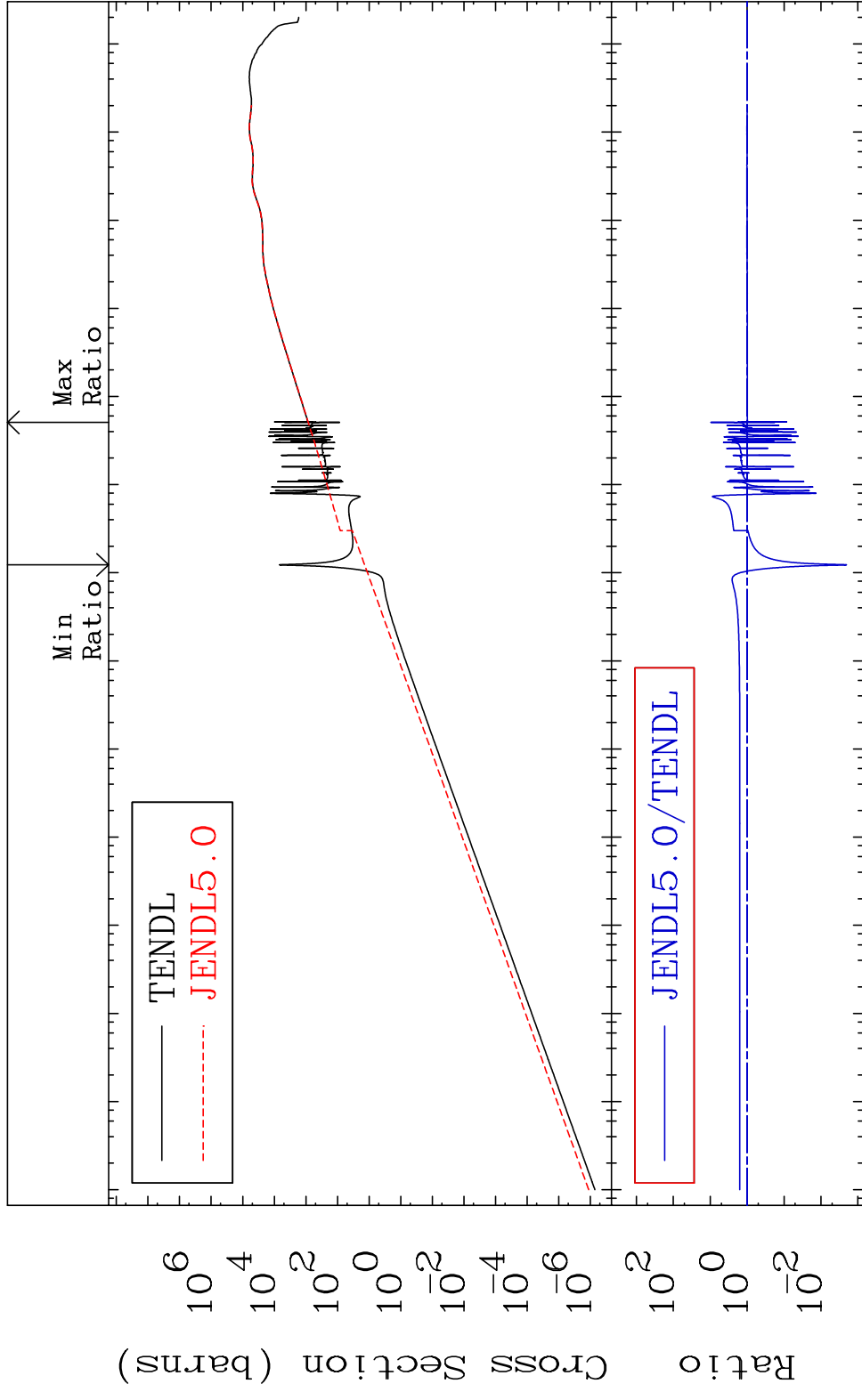


Ratio
 Cross Section (barns)
 Incident Energy (eV)

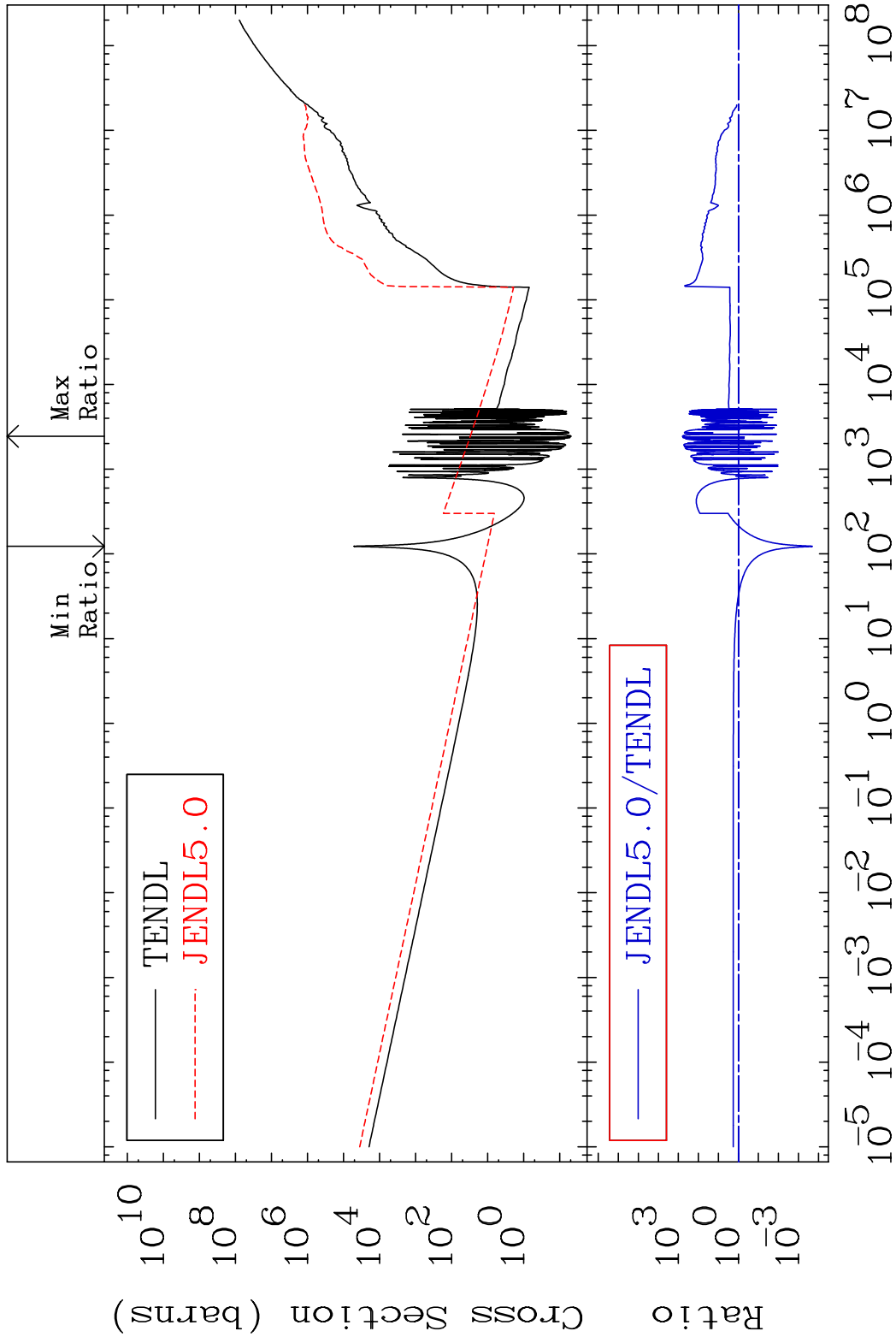
MAT 8128

Kerma elastic Cross Section -99.79 To 869.6 %

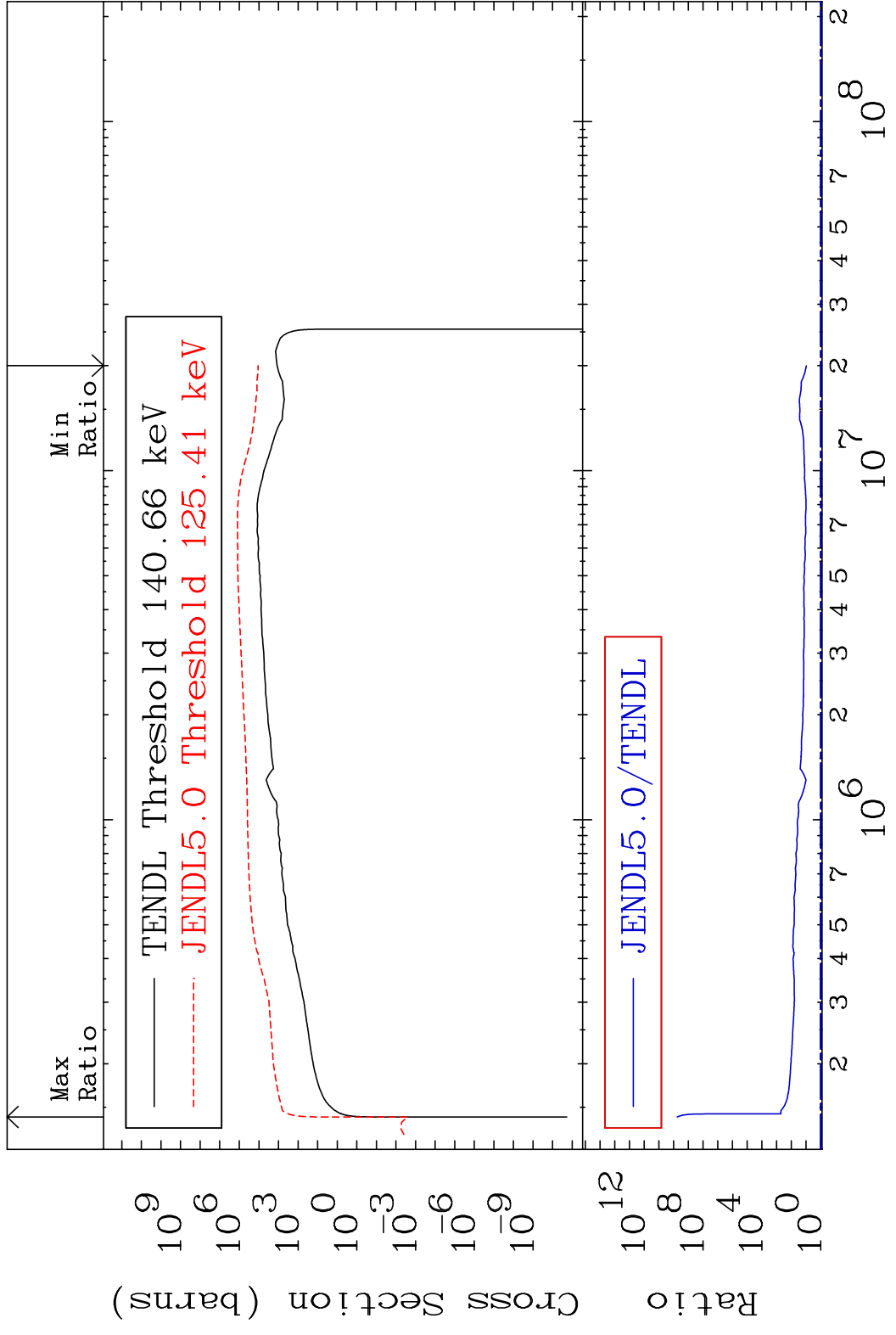
81-T1-204



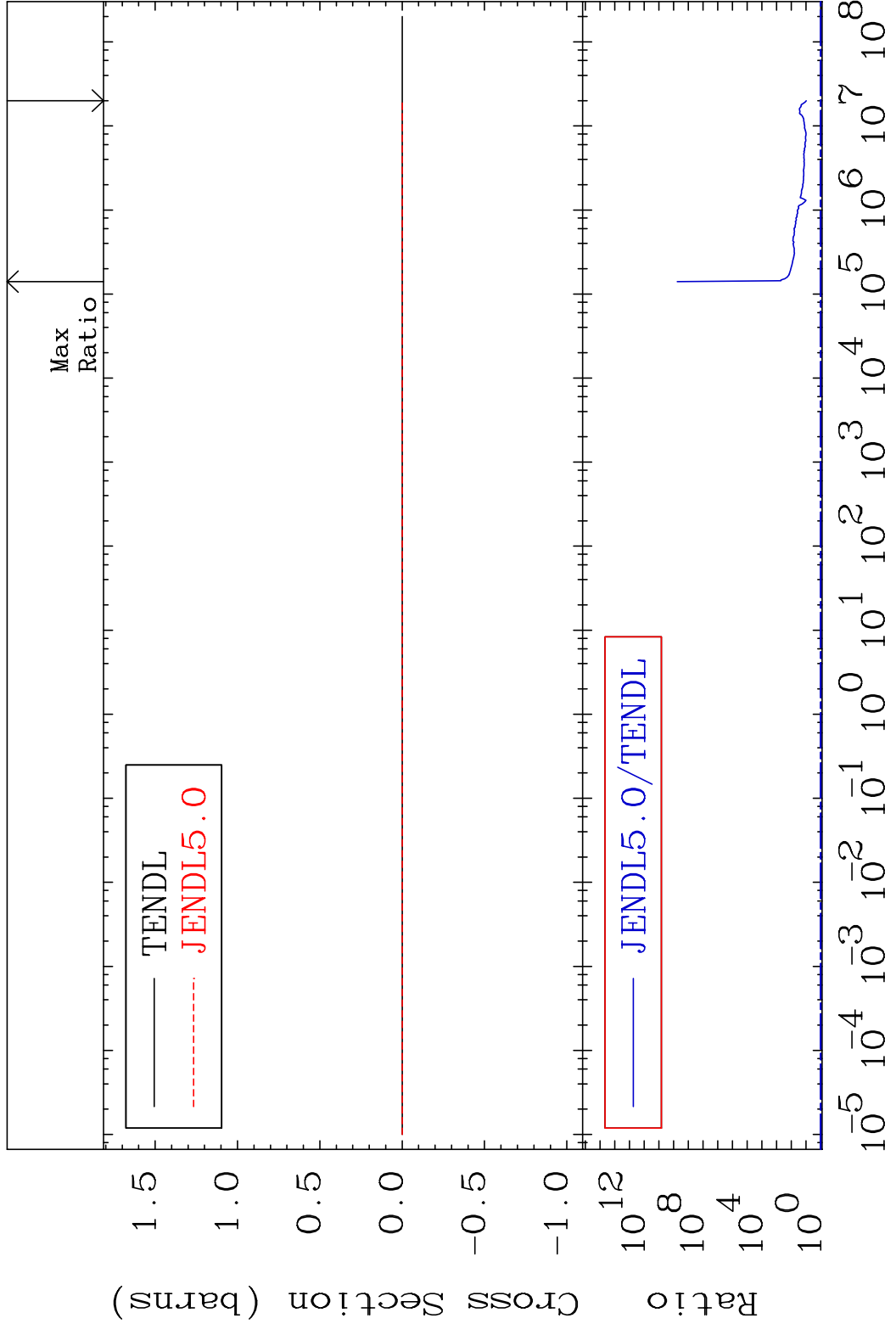
MAT 8128 Kerma non-elastic (all but mt2) 81-Tl-204
 Cross Section -99.98 To 9999. %

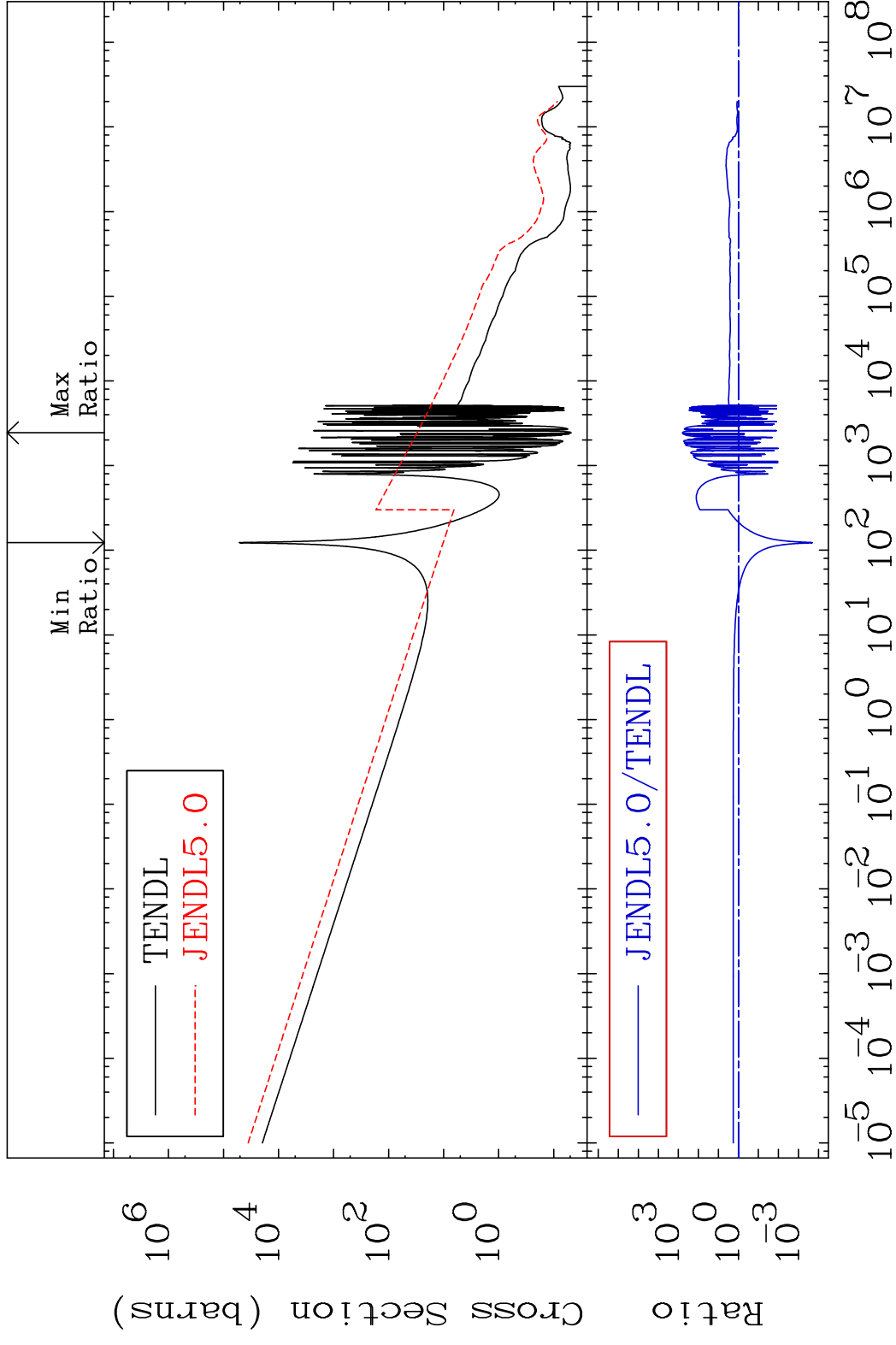


MAT 8128 Kerma inelastic (mt51-91) 81-Tl-204
 Cross Section 824.4 To 9999. %



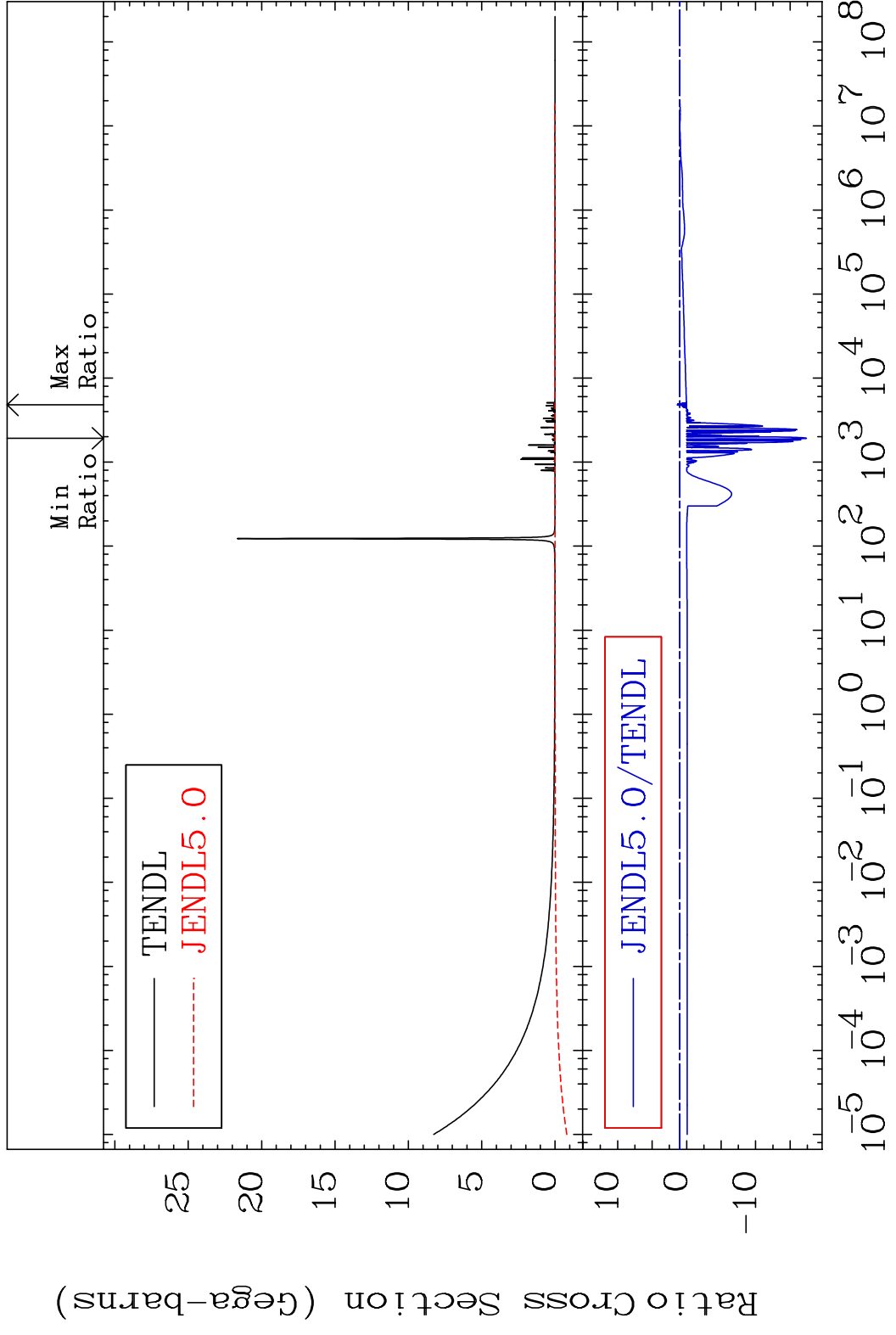
MAT 8128 Kerma fission (mt18 or mt19-20-21-38) 81-Tl-204
 Cross Section 824.4 To 9999. %



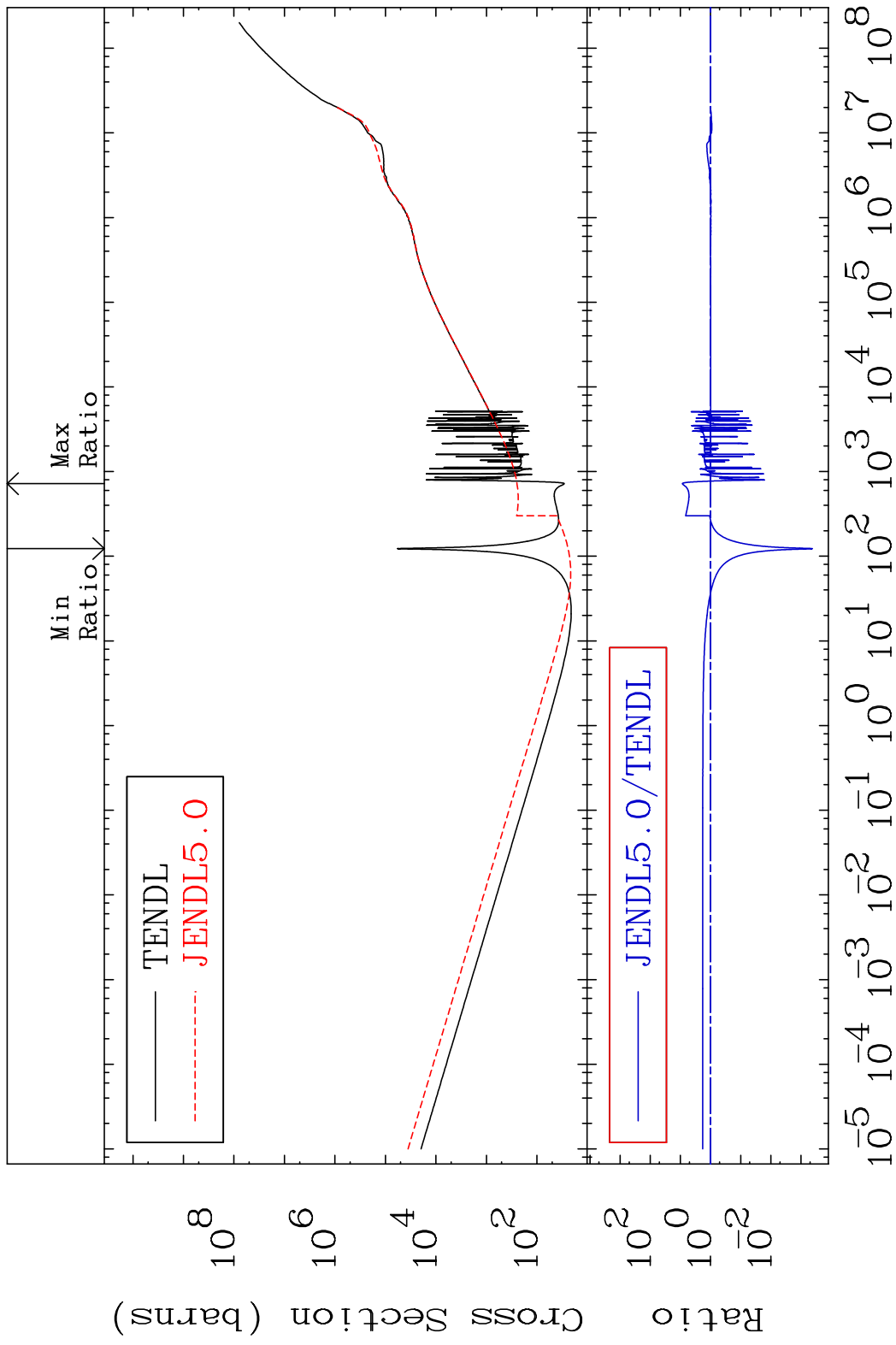


MAT 8128

Total photon (eV-barns) 81-T1-204
Cross Section -1836. To 36.66 %



MAT 8128 Total kinematic kerma (high limit) 81-Tl-204
 Cross Section -99.96 To 759.9 %

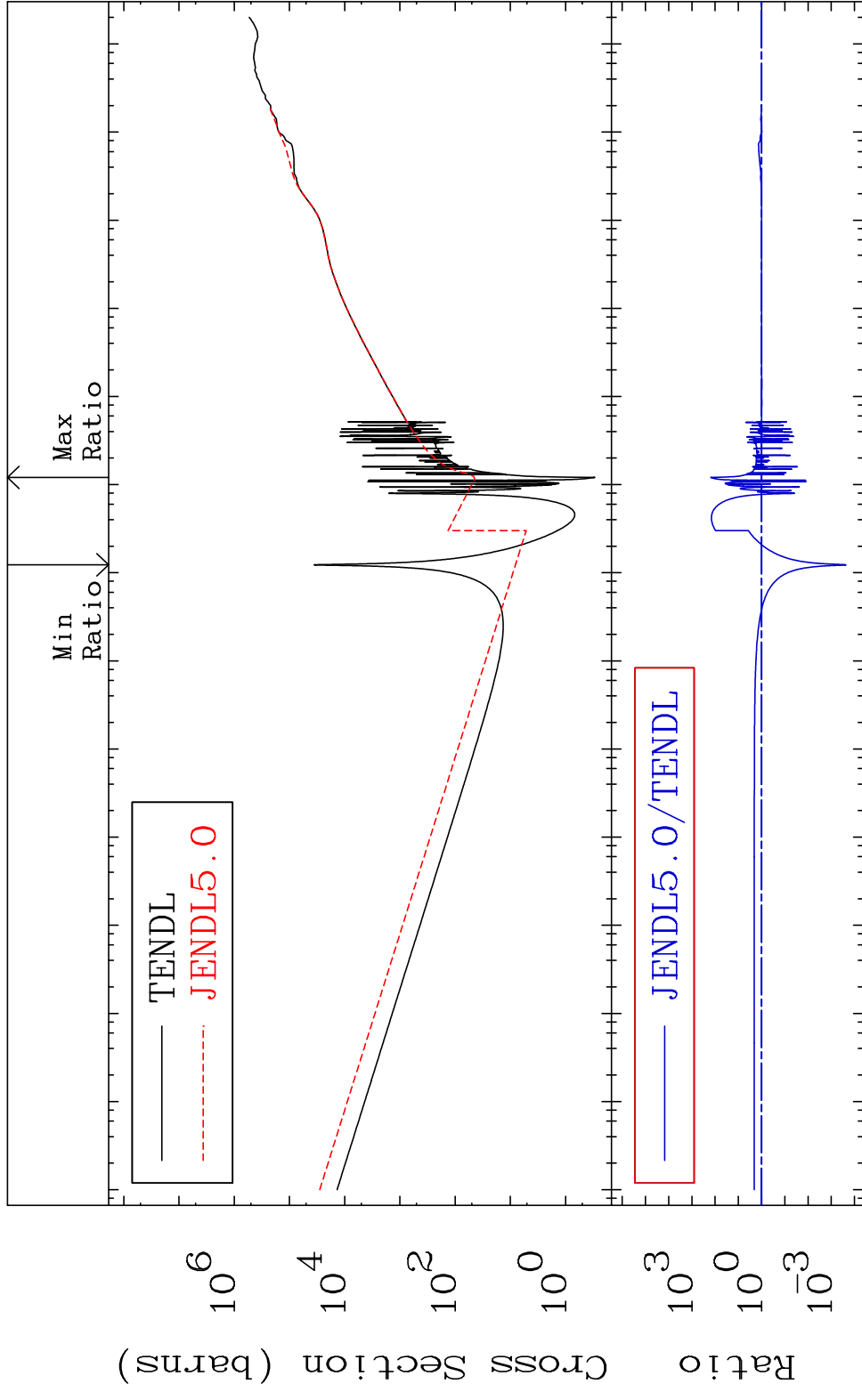


MAT 8128

Dpa total (eV-barns)

81-T1-204

Cross Section -99.98 To 9999. %



60

Incident Energy (eV)

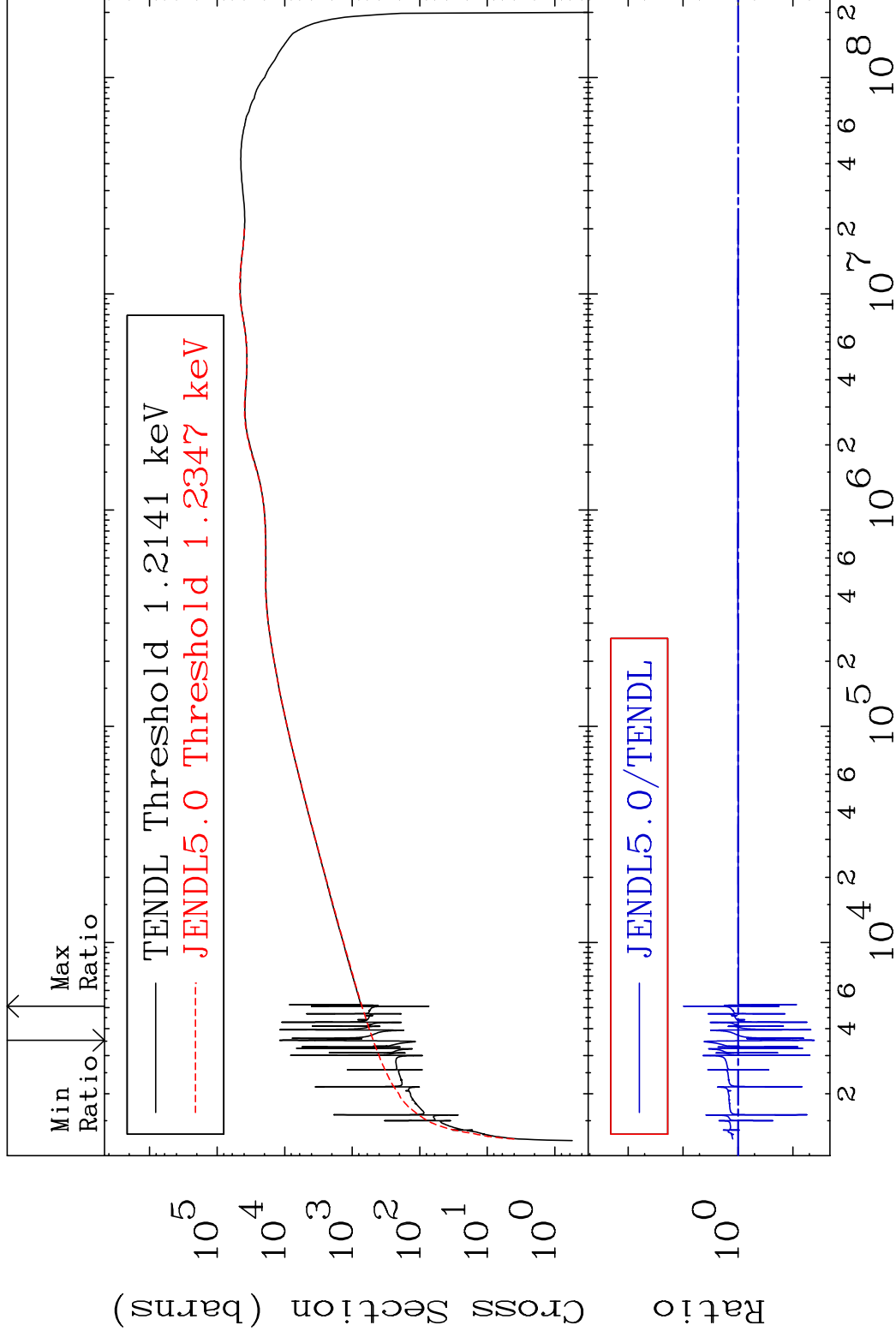
81-T1-204

MAT 8128

Dpa elastic (mt2)

81-Tl-204

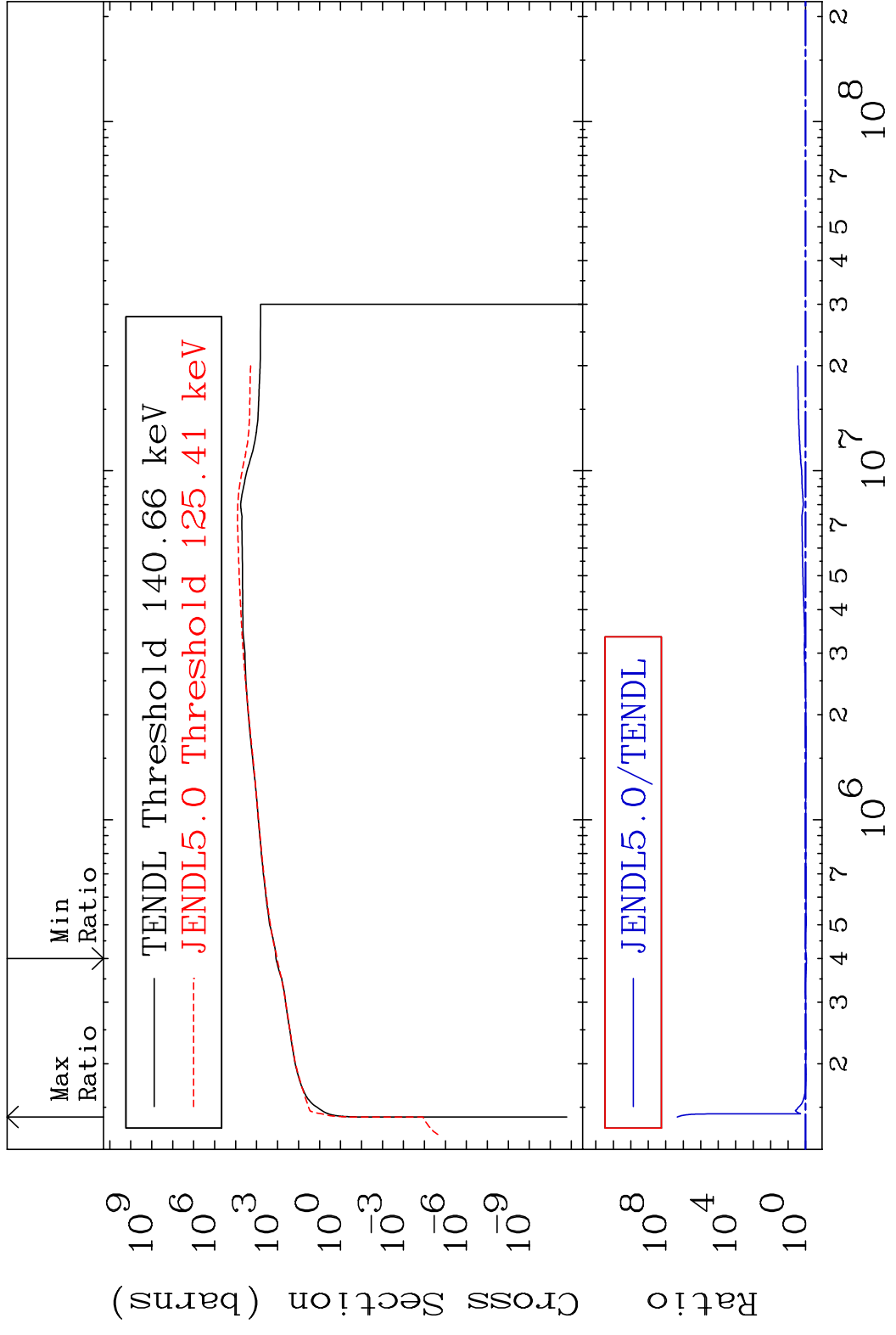
Cross Section -95.89 To 873.8 %



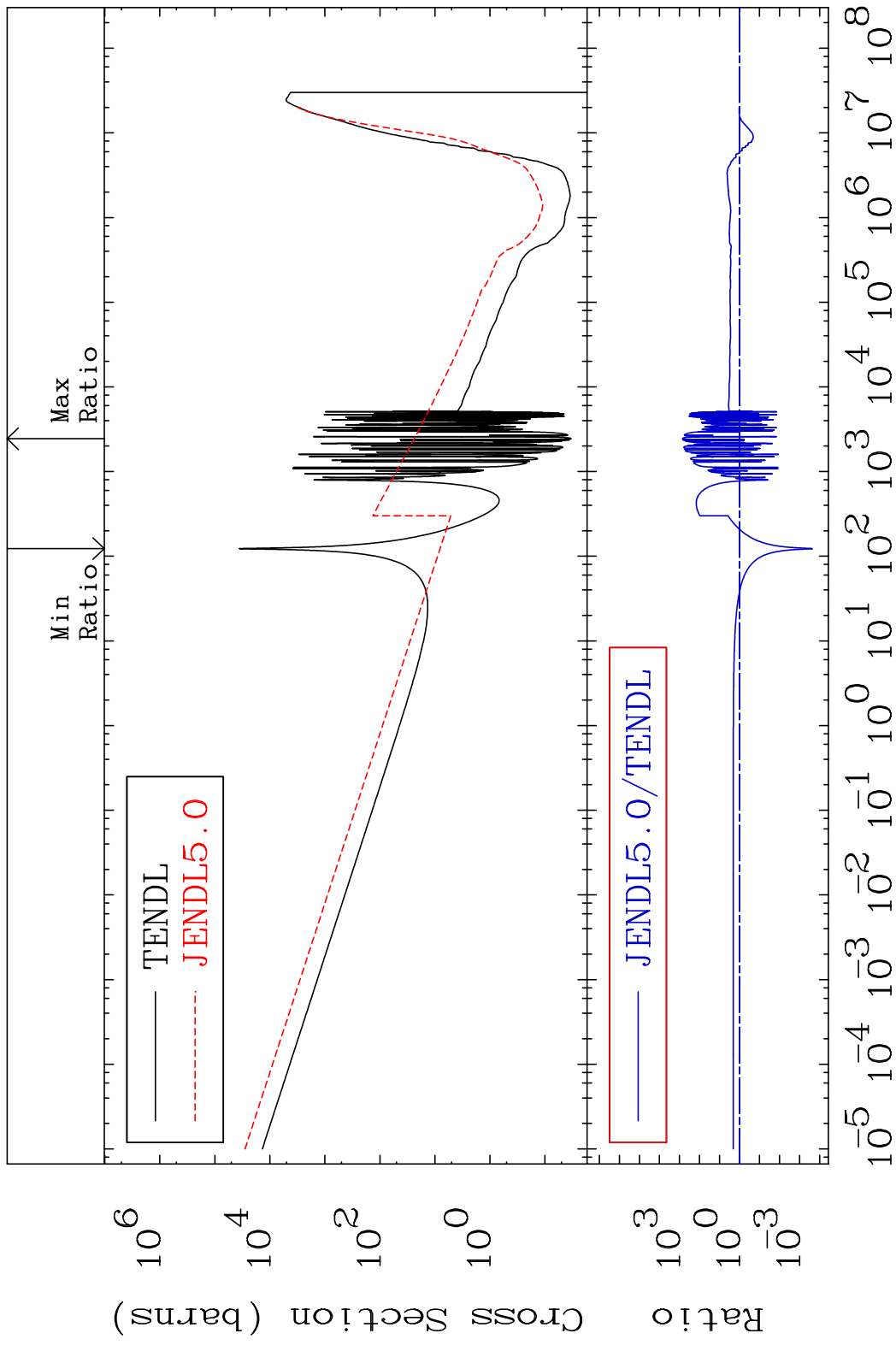
61

Incident Energy (eV)

81-Tl-204

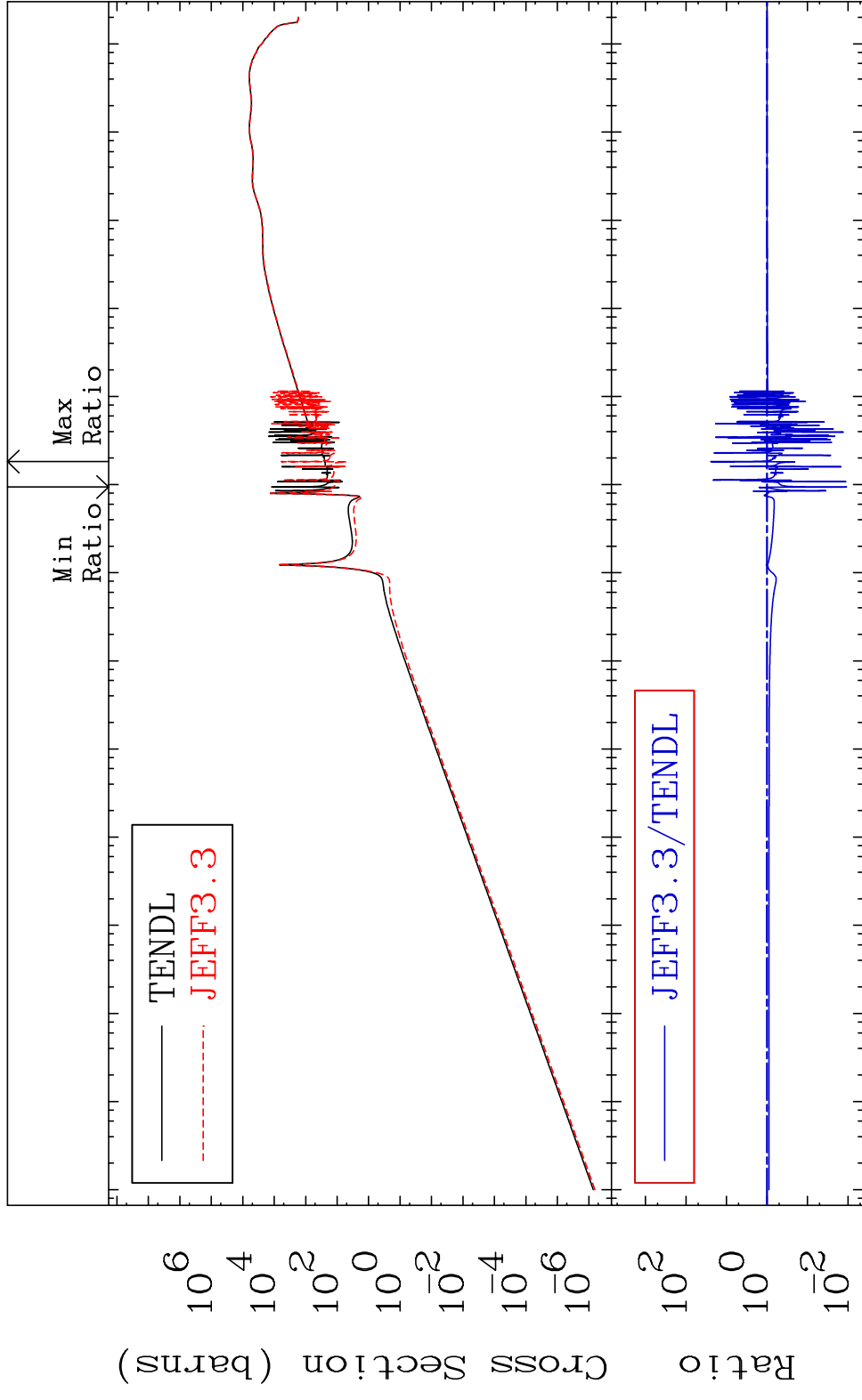


MAT 8128 Dpa disappearance (mt102 -120) 81-T1-204
 Cross Section -99.98 To 9999. %

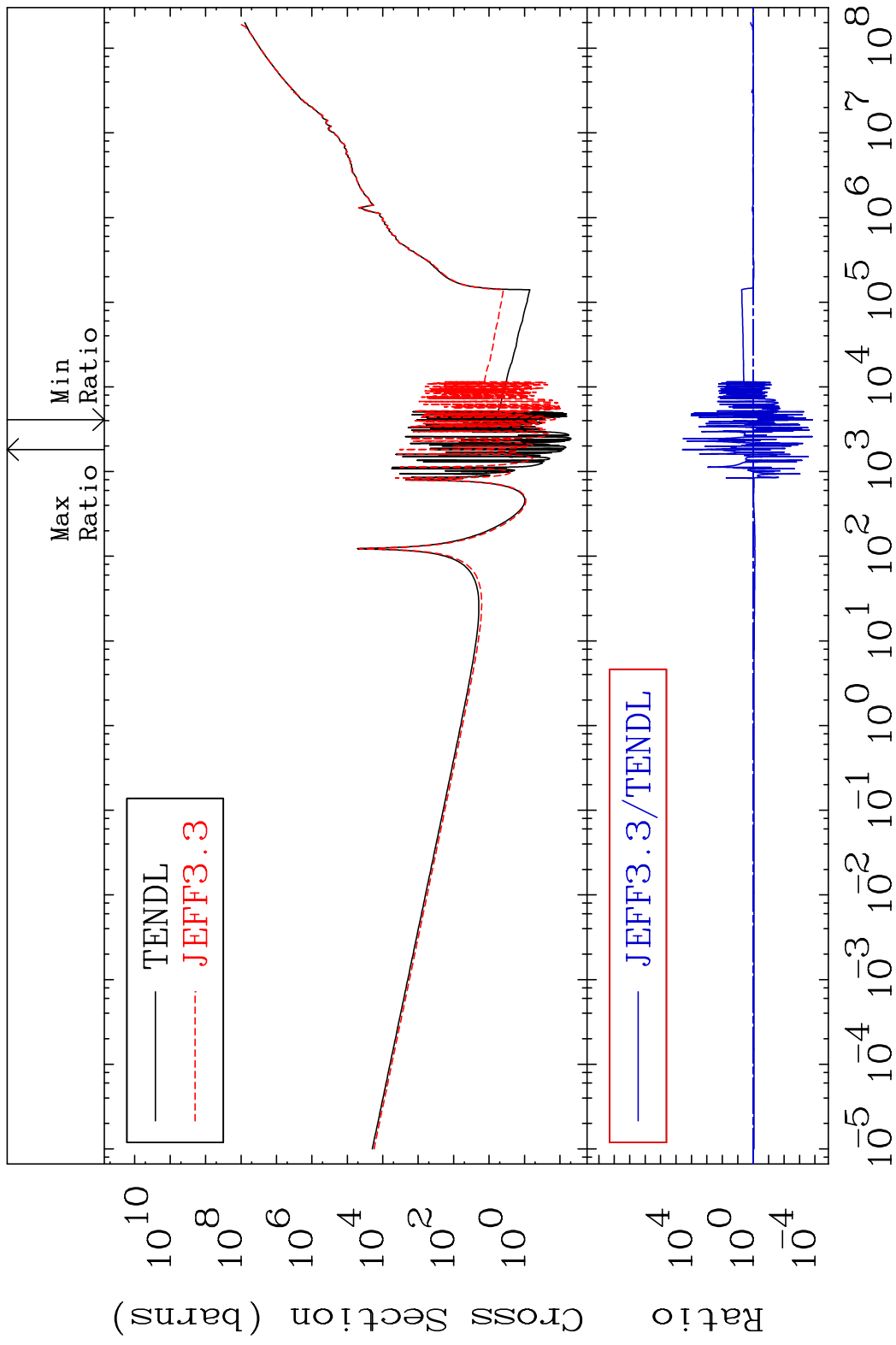


MAT 8128

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

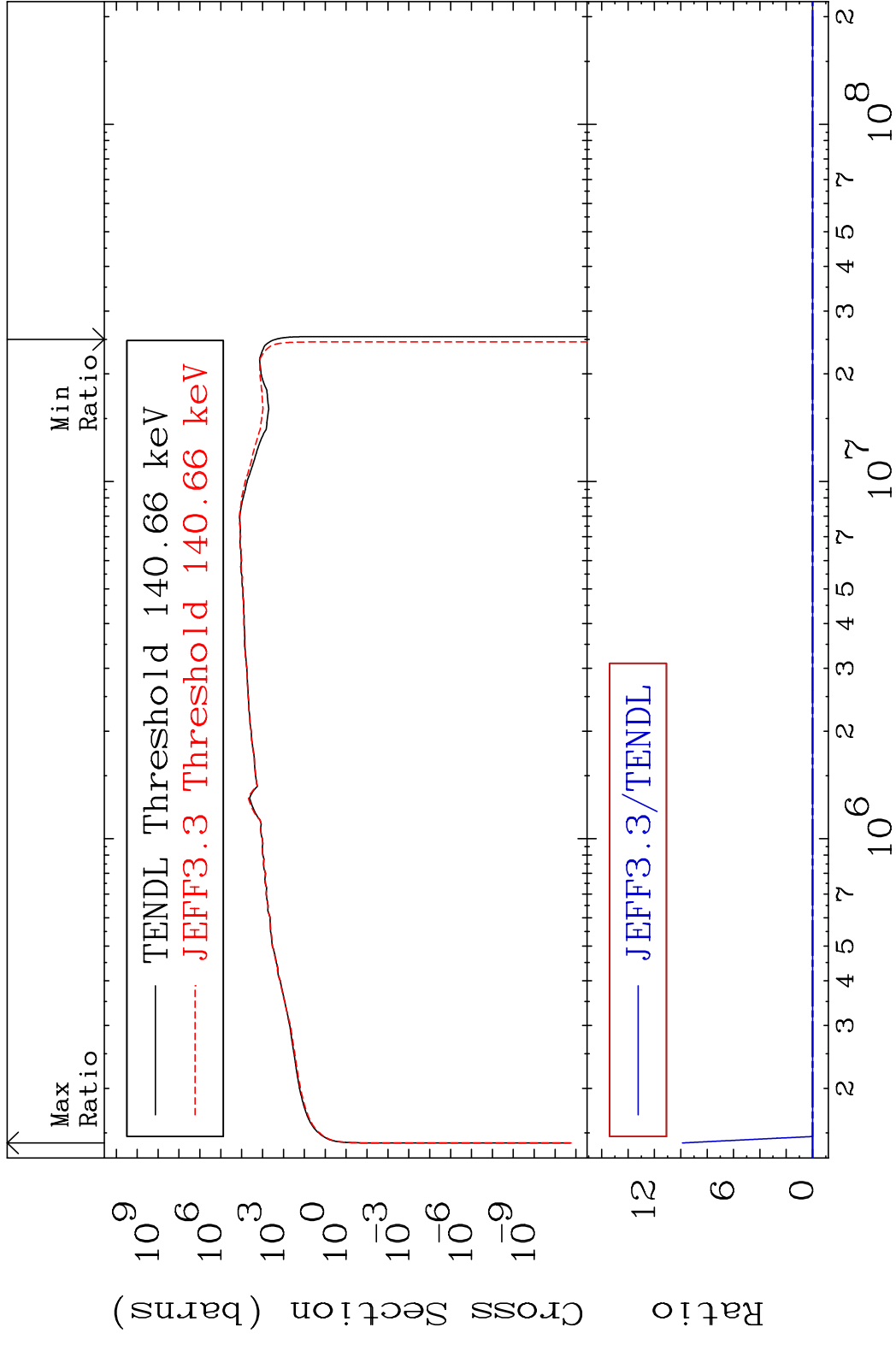


MAT 8128 Kerma non-elastic (all but mt2) 81-T1-204
 Cross Section -99.99 To 9999. %

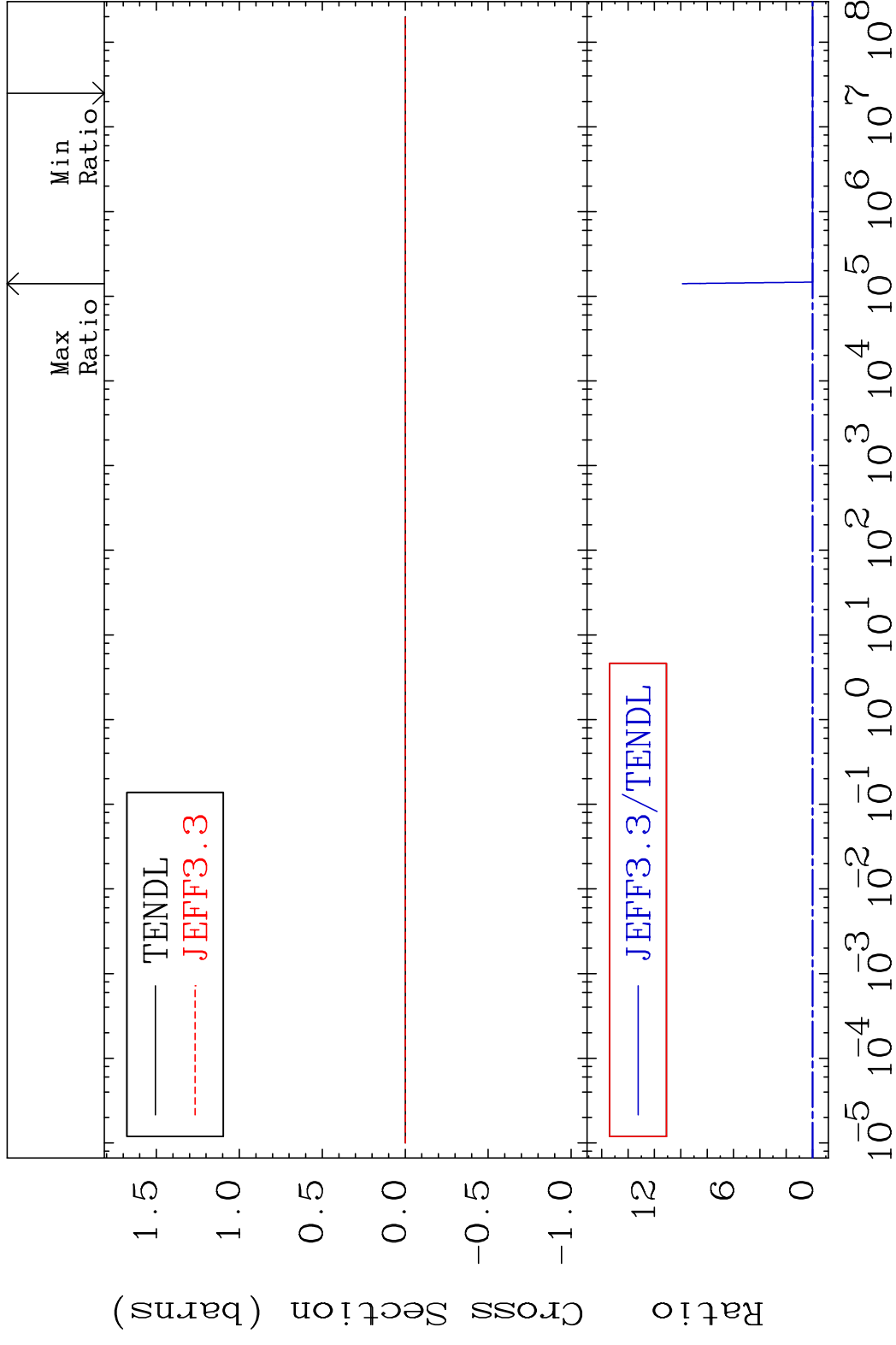


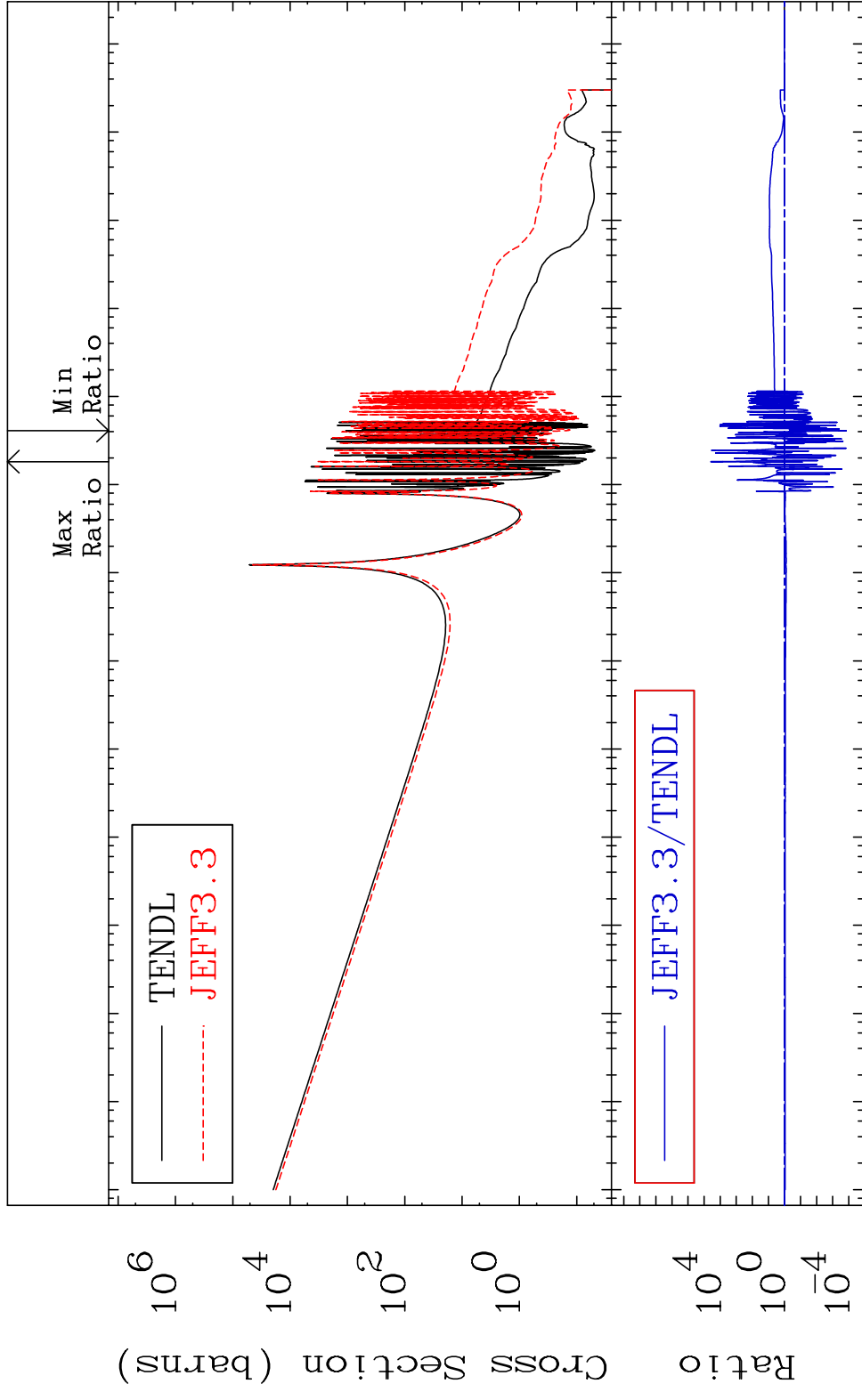
65 Incident Energy (eV) 81-T1-204

MAT 8128 Kerma inelastic (mt51-91) 81-Tl-204
 Cross Section -221.3 To 9999. %



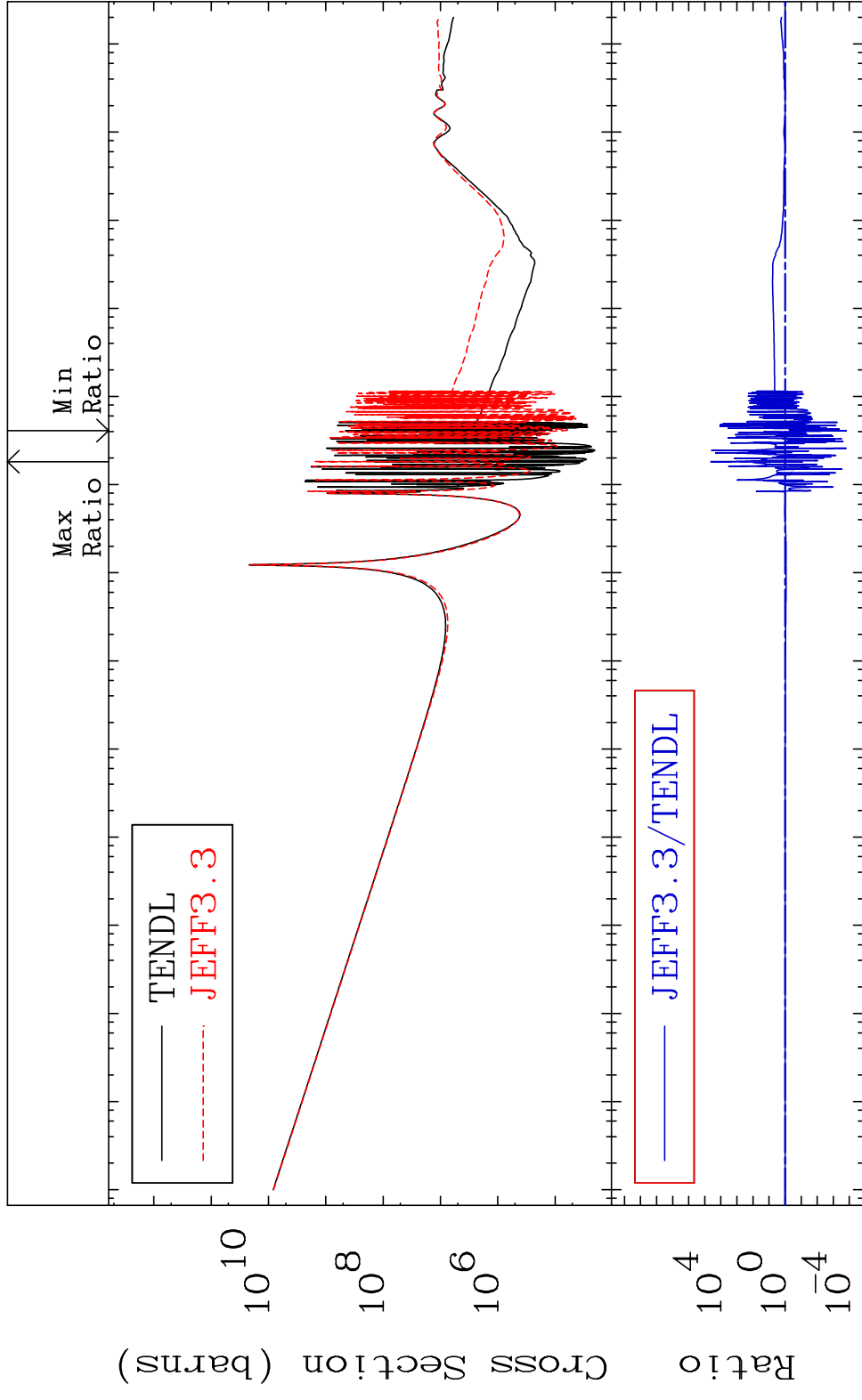
MAT 8128 Kerma fission (mt18 or mt19-20-21-38) 81-Tl-204
 Cross Section -221.3 To 9999. %



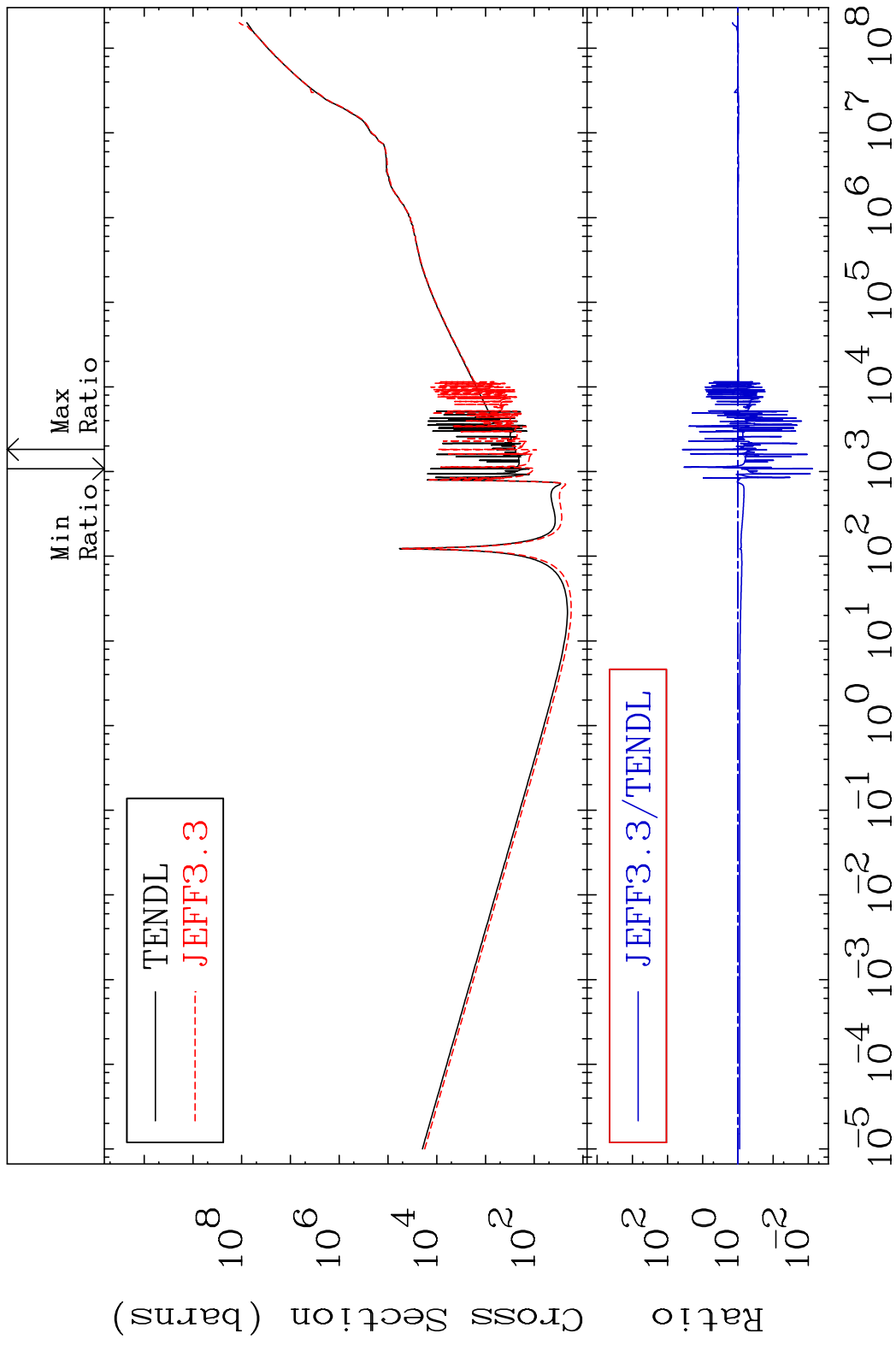


MAT 8128

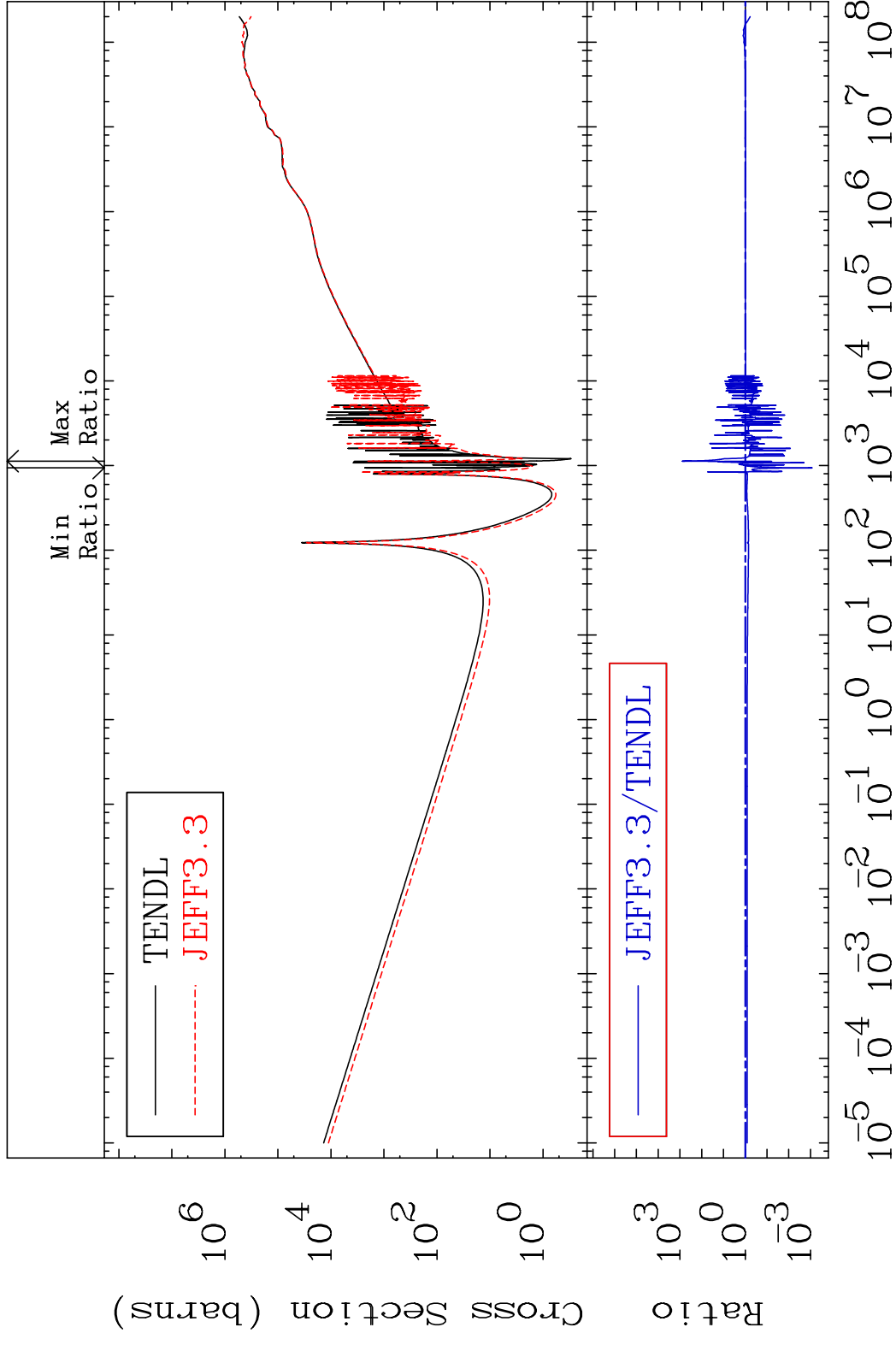
Total photon (eV-barns) 81-T1-204
Cross Section -99.98 To 9999. %



MAT 8128 Total kinematic kerma (high limit) 81-Tl-204
Cross Section -99.24 To 3694. %



MAT 8128 Dpa total (eV-barns) 81-T1-204
 Cross Section -99.92 To 9999. %

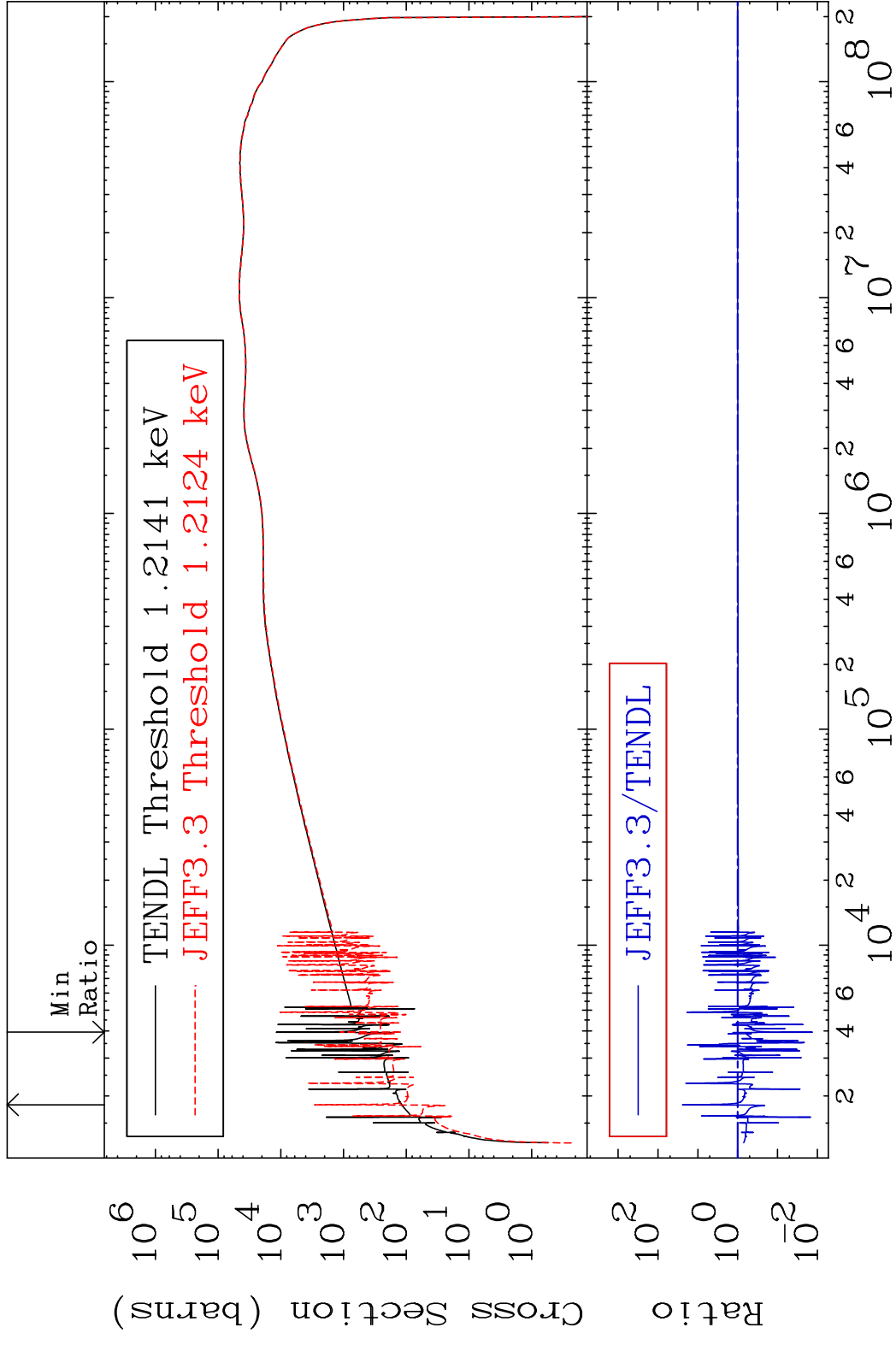


MAT 8128

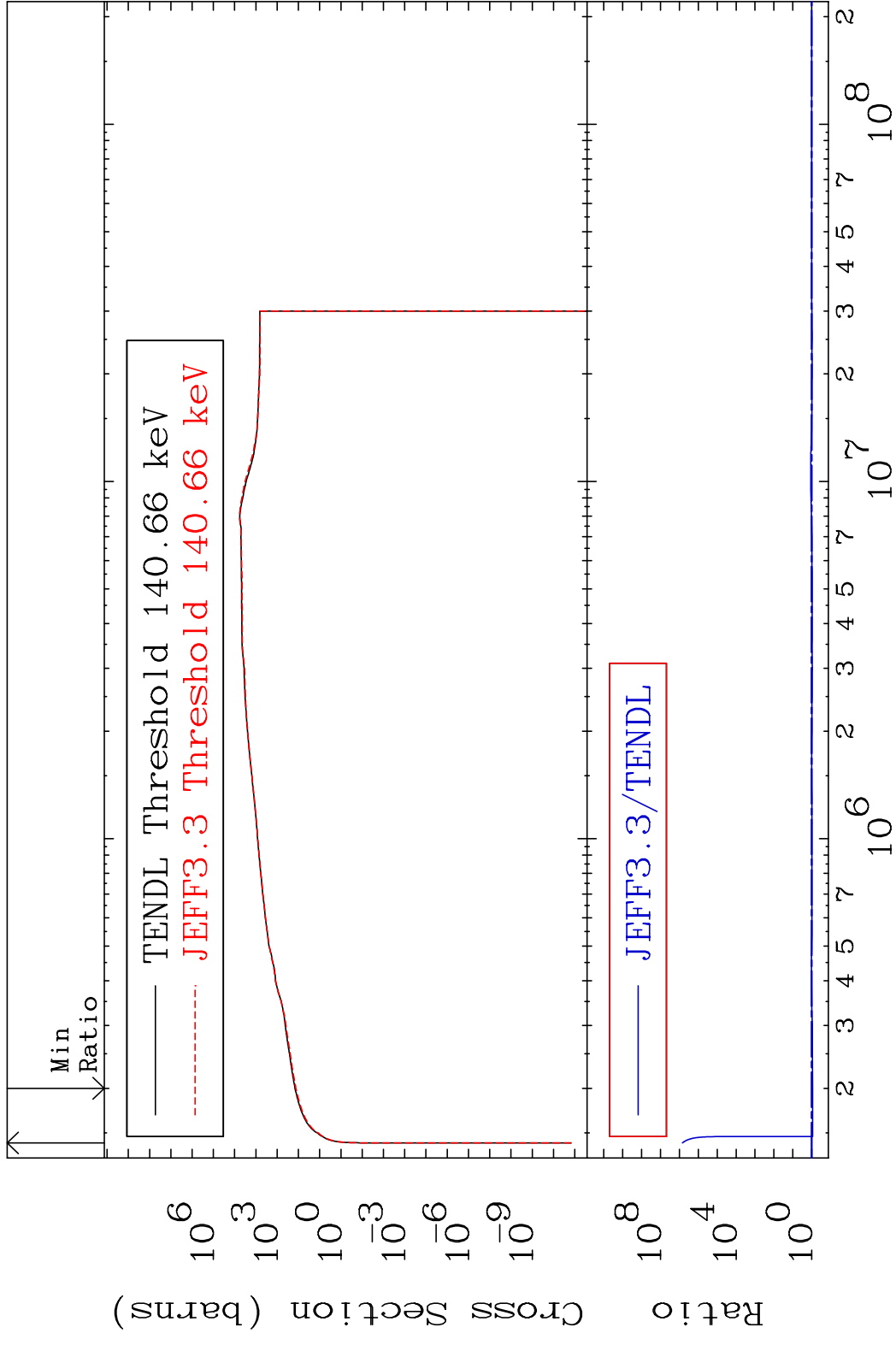
Dpa elastic (mt2)

81-Tl-204

Cross Section -98.69 To 2345. %



MAT 8128 Dpa inelastic (mt51-91) 81-Tl-204
 Cross Section -9.477 To 9999. %



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

