

Program Complot
(Version 2021-1)

by

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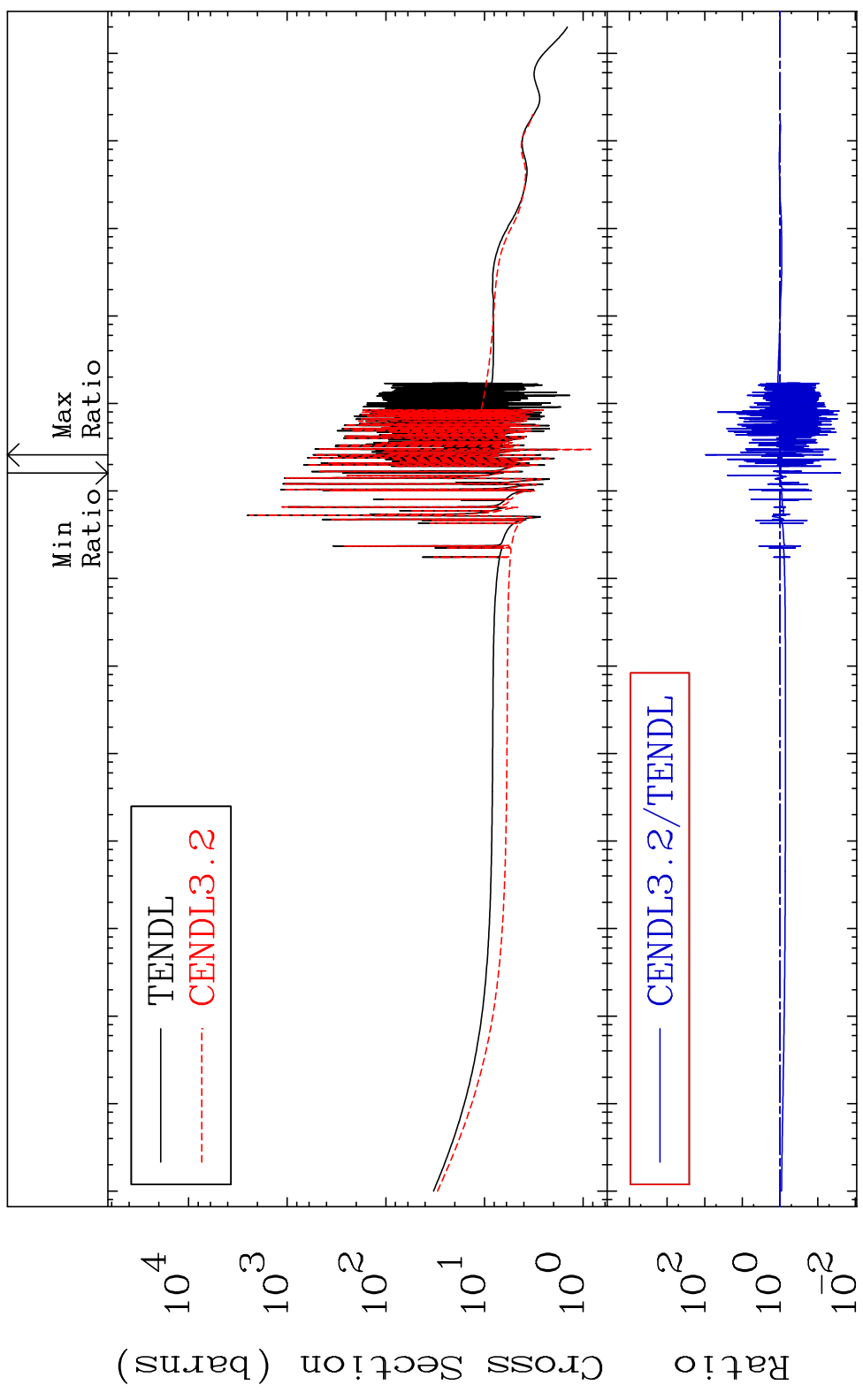
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 3725

Total 37-Rb-85
Cross Section -97.50 To 9294. %



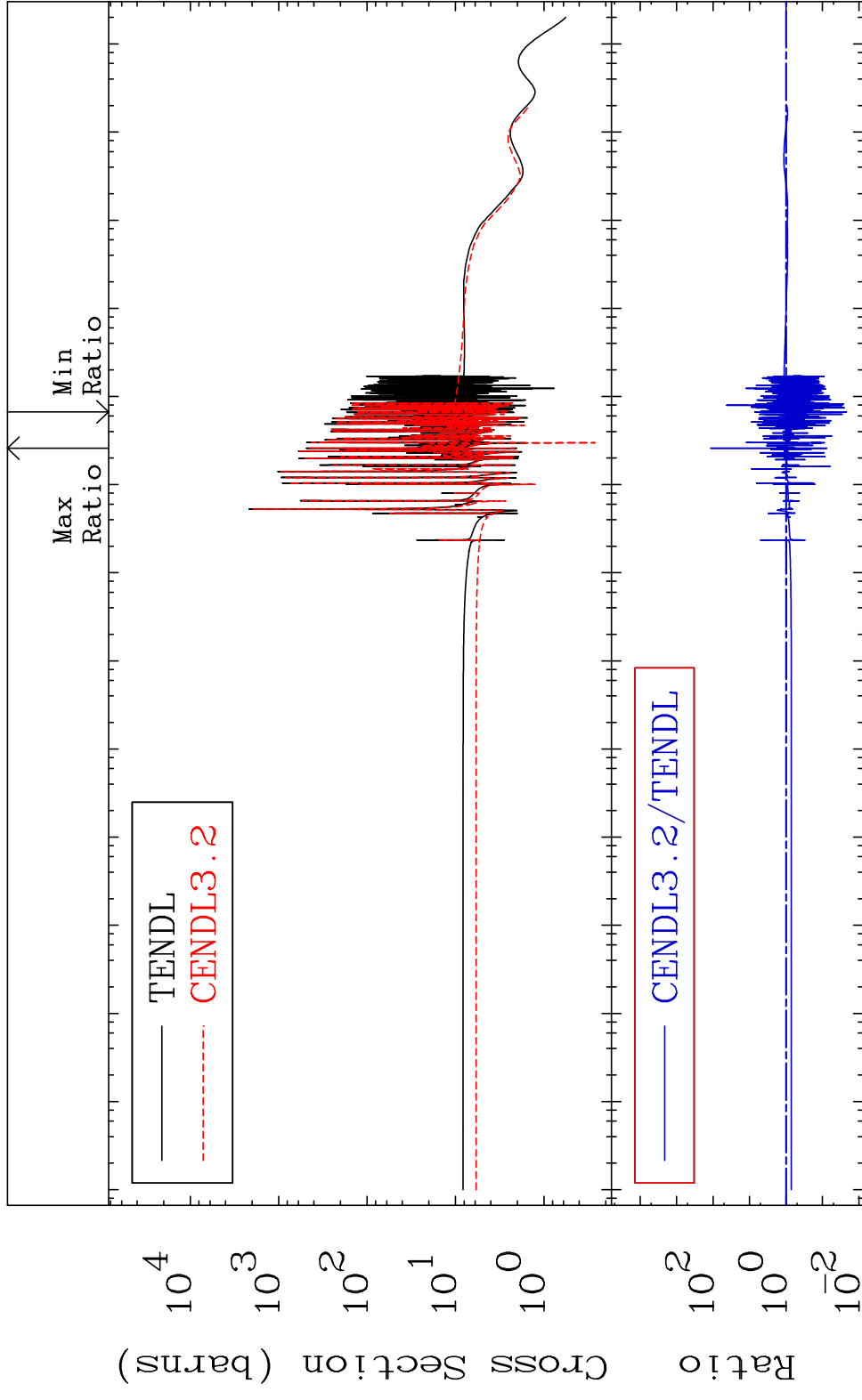
1 Incident Energy (eV) 37-Rb-85

MAT 3725

Elastic

37-Rb-85

Cross Section -97.78 To 9999. %

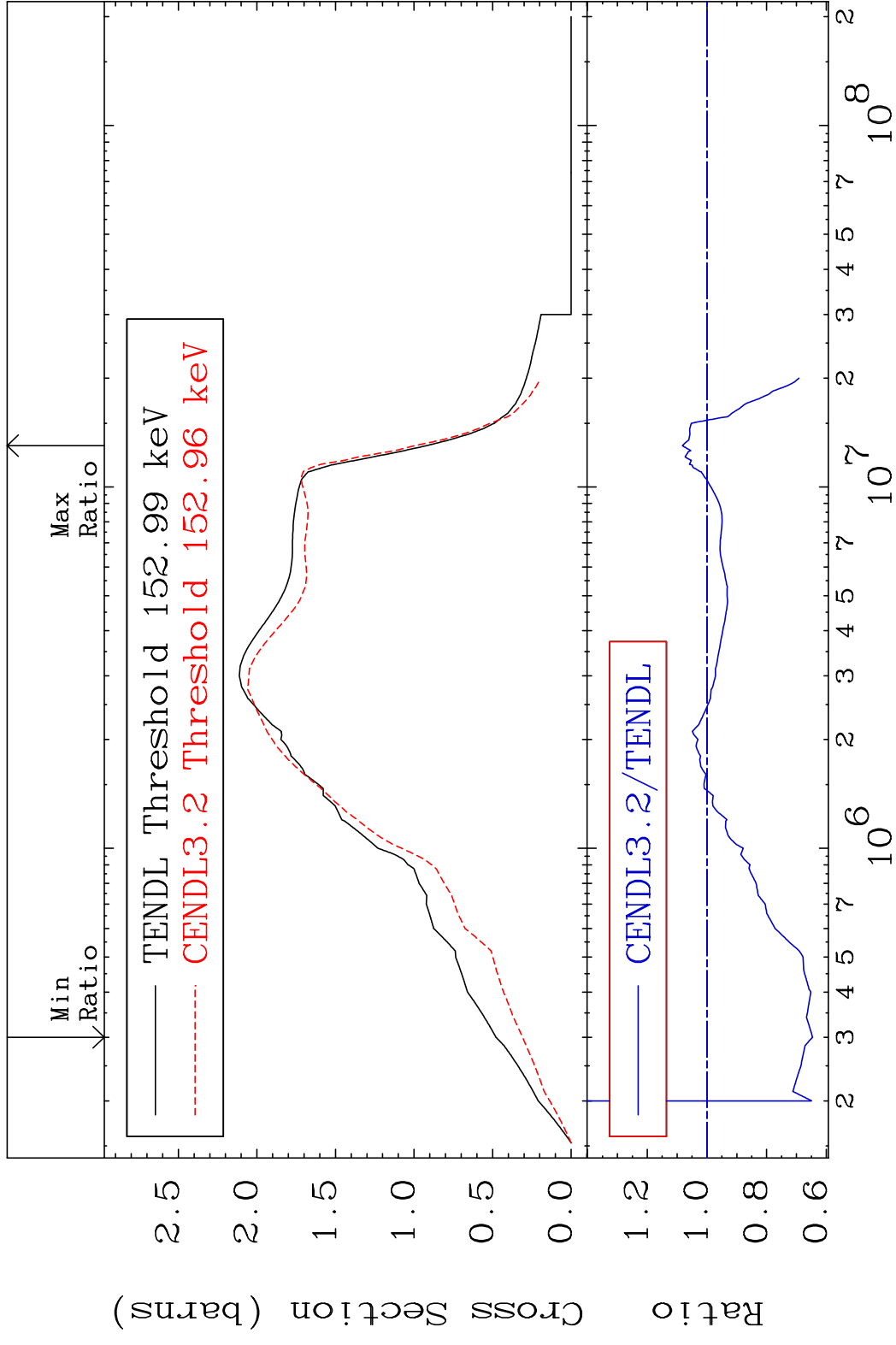


2

Incident Energy (eV)

37-Rb-85

MAT 3725 Inelastic 37-Rb-85
 Cross Section -35.39 To 8.239 %

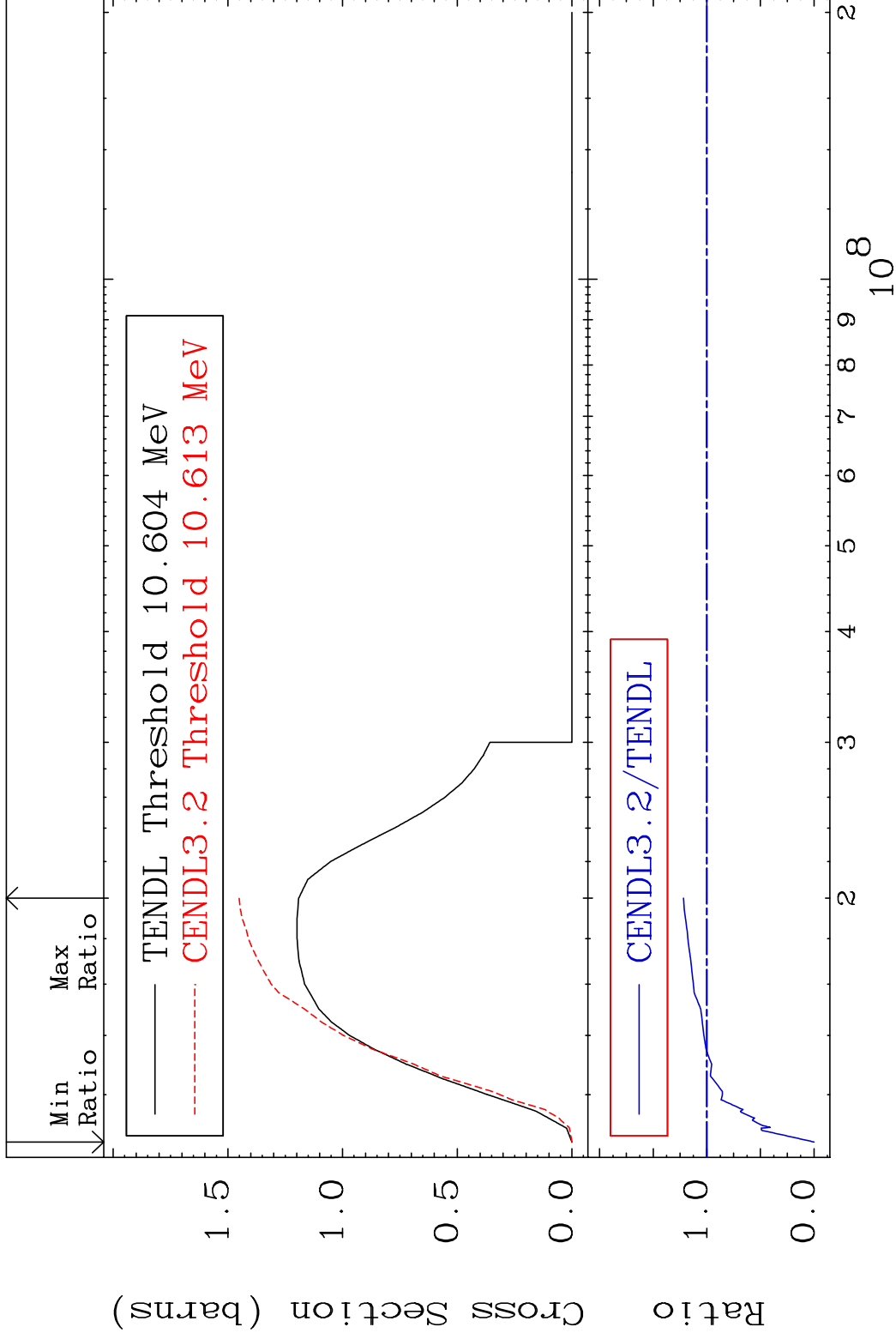


MAT 3725

(n,2n)

37-Rb-85

Cross Section -100.0 To 21.79 %



4

Incident Energy (eV)

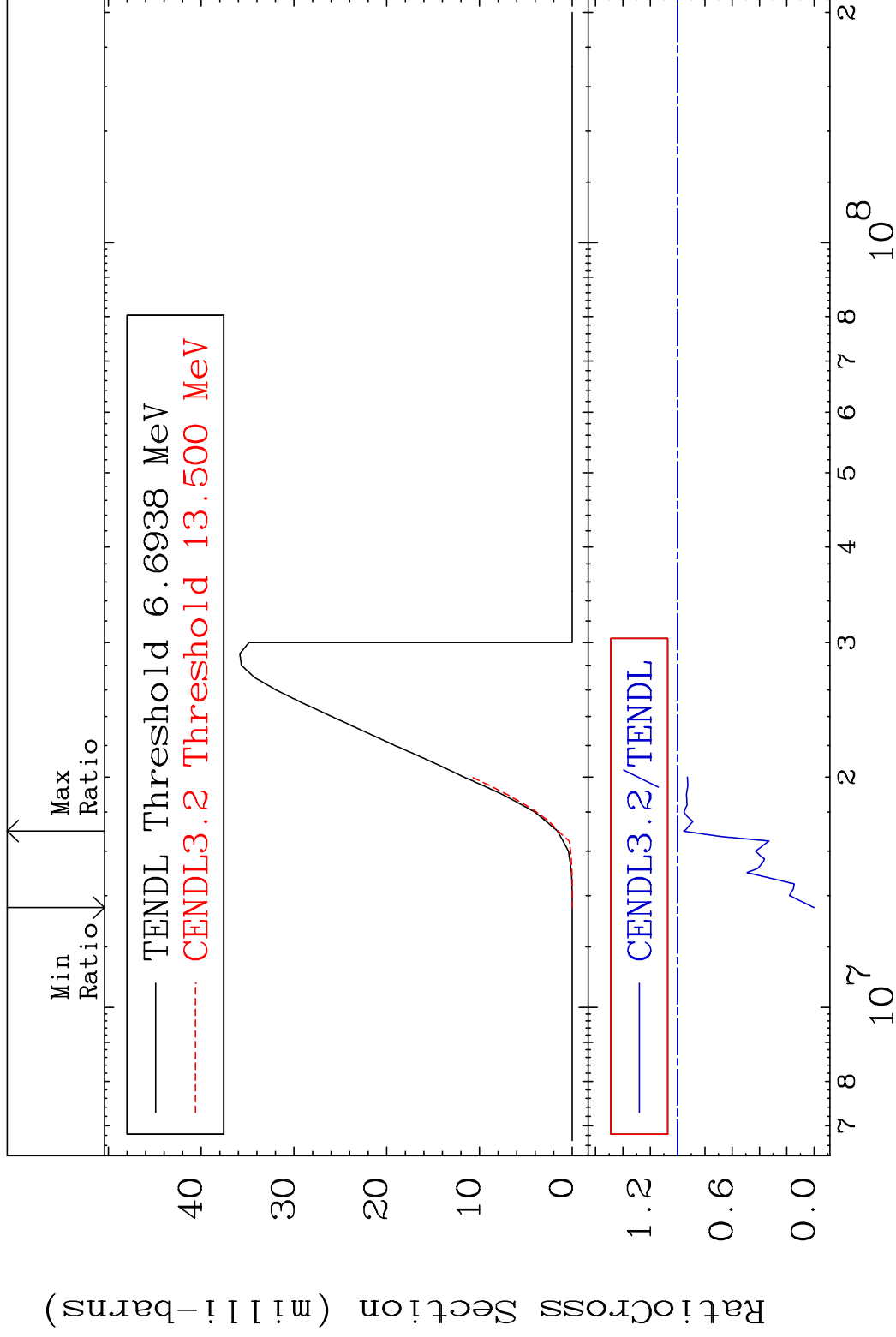
37-Rb-85

MAT 3725

(n, n') α

37-Rb-85

Cross Section -100.0 To -4.475%



5

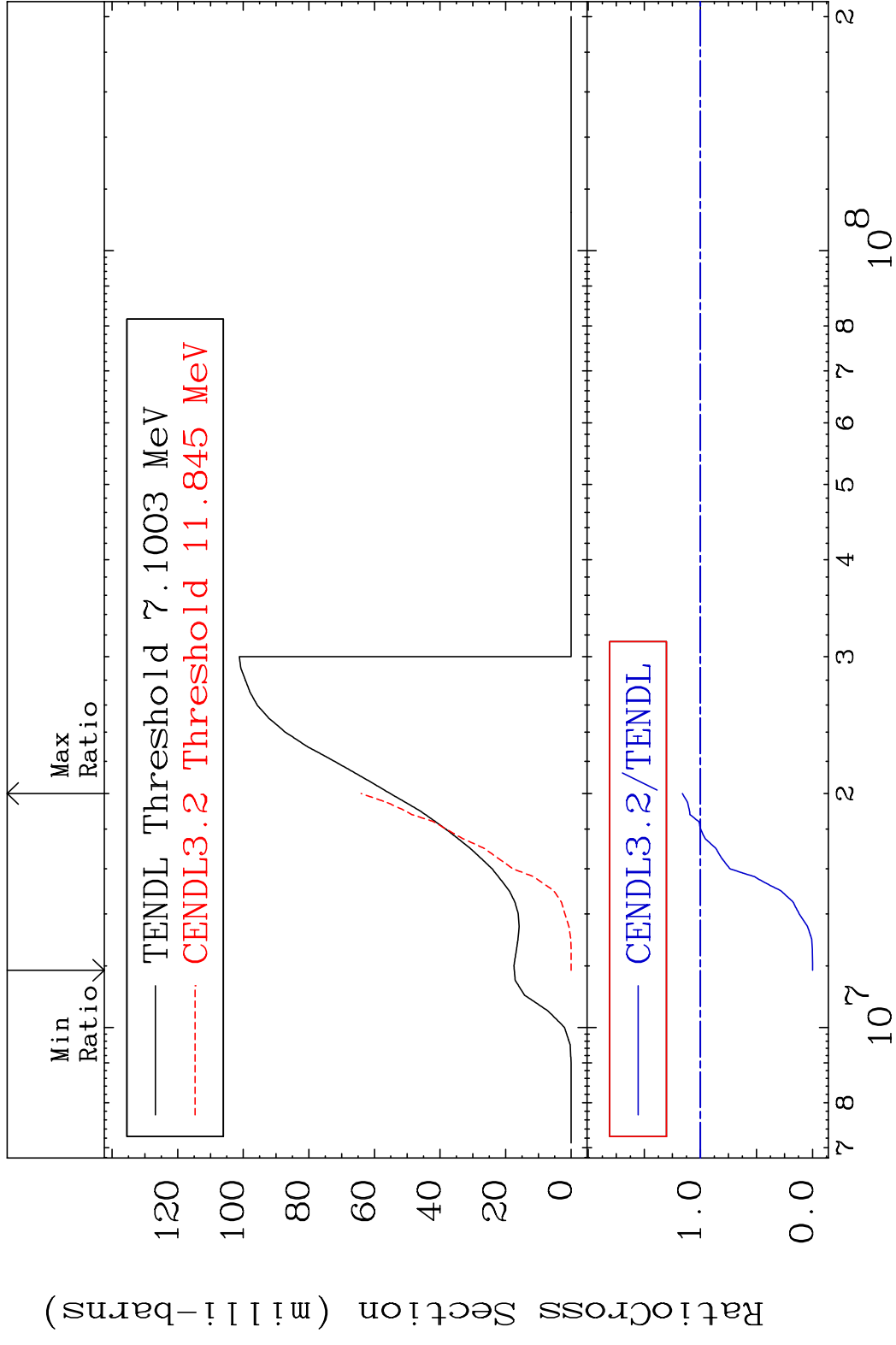
Incident Energy (eV)

37-Rb-85

MAT 3725

(n, n') p 37-Rb-85

Cross Section -100.0 To 16.10 %

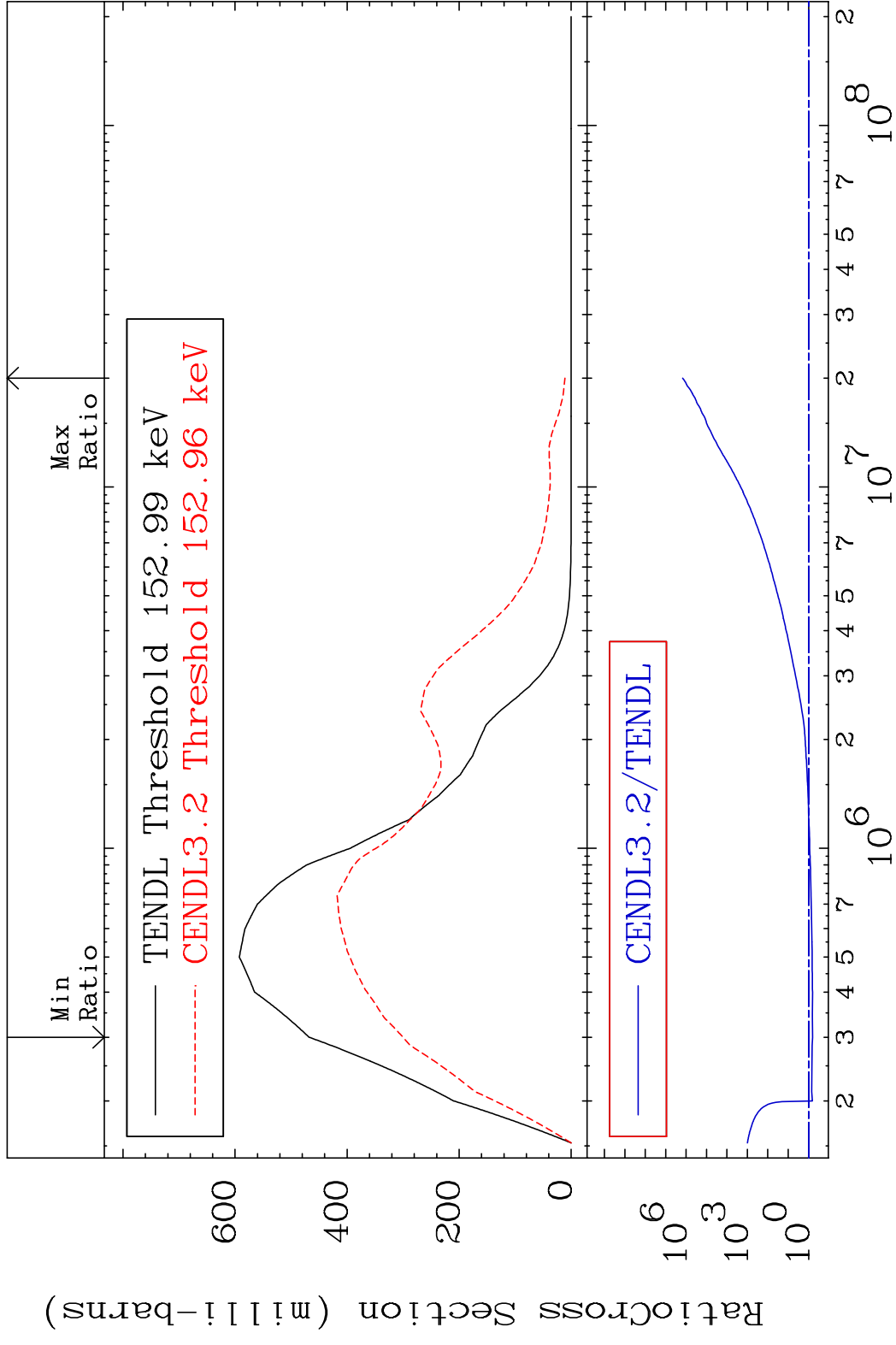


6

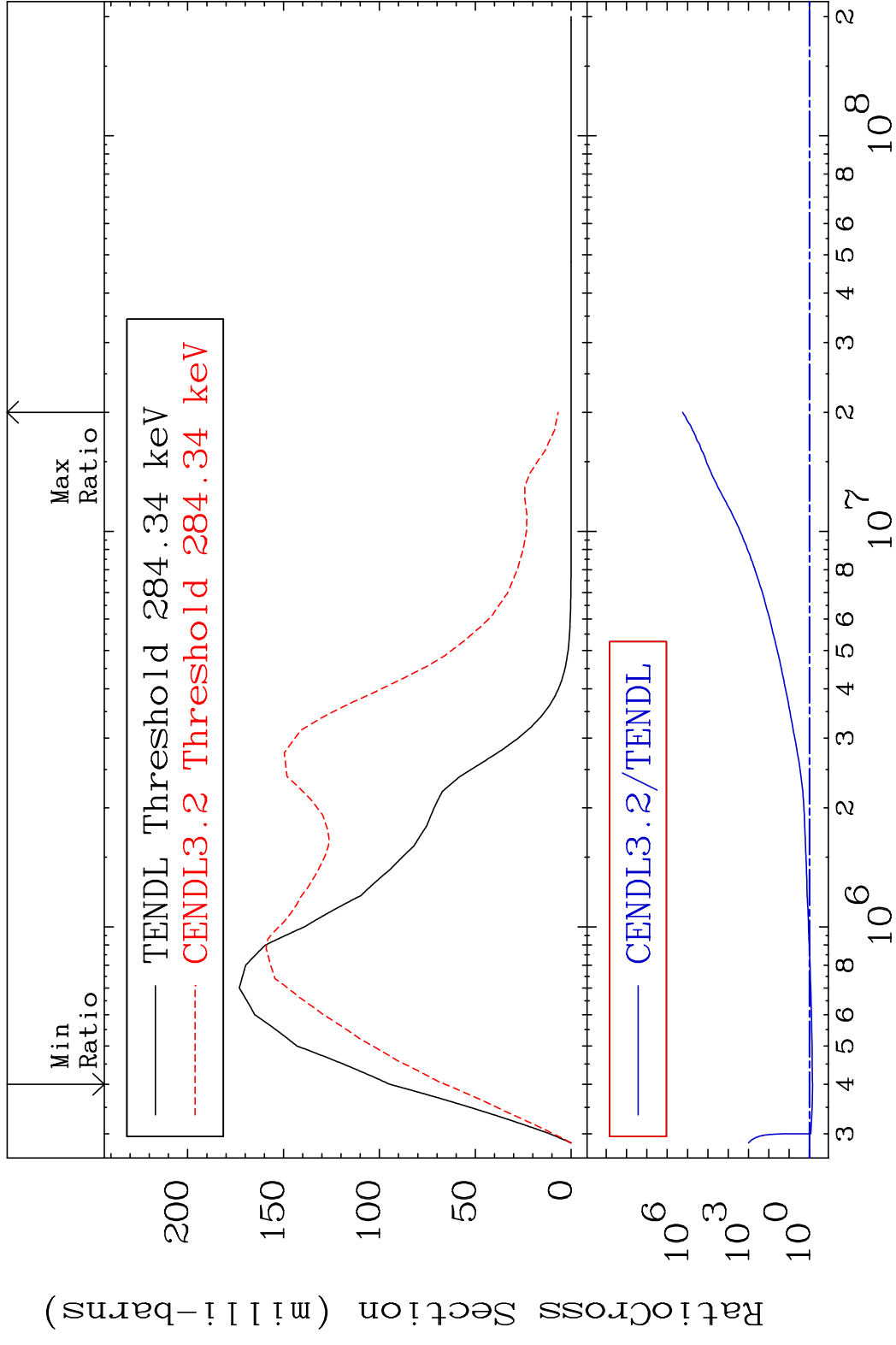
Incident Energy (eV)

37-Rb-85

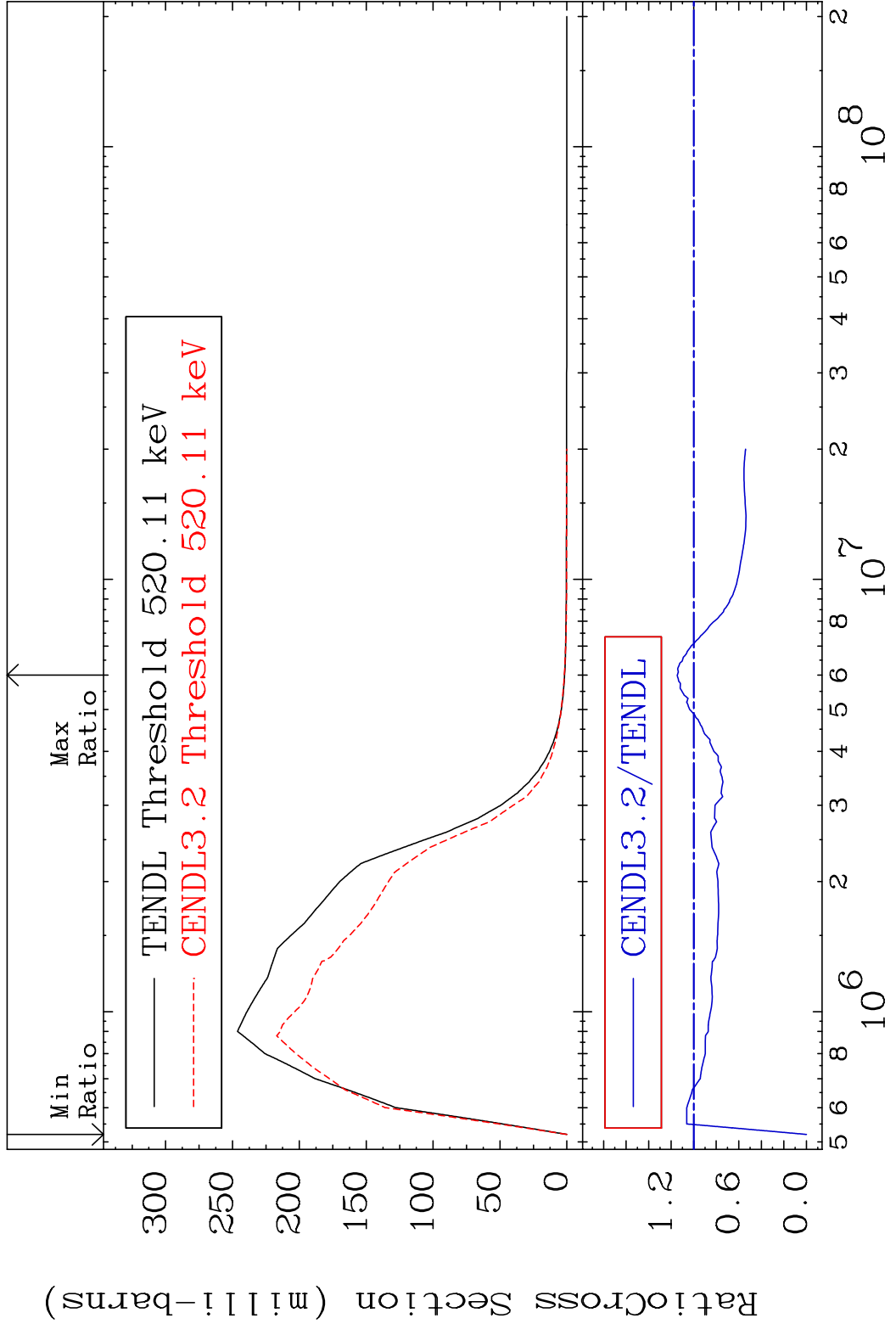
MAT 3725 MT= 51 (n,n') Level 37-Rb-85
 Cross Section -35.85 To 9999. %



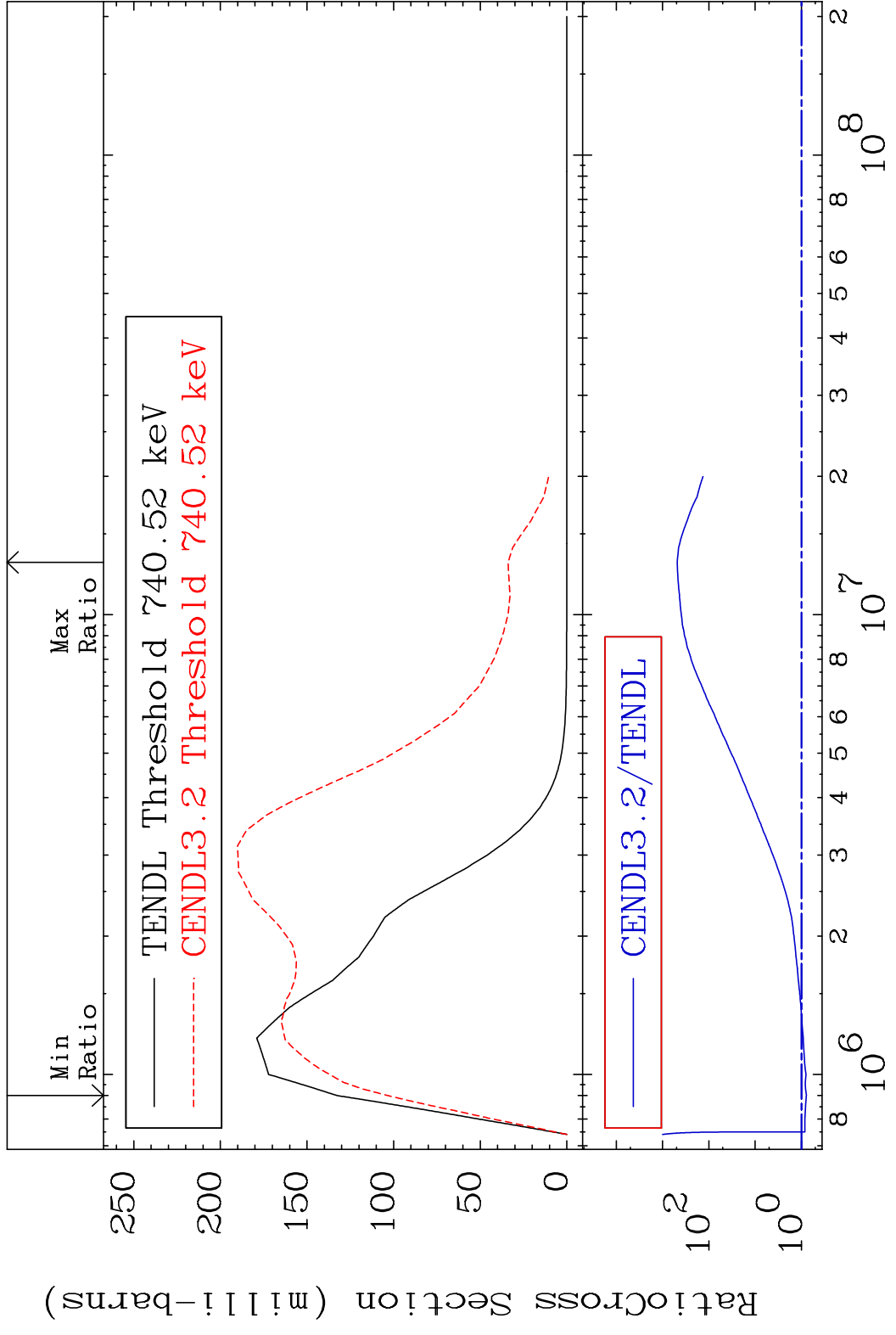
MAT 3725 MT= 52 (n, n') Level 37-Rb-85
 Cross Section -30.60 To 9999. %



MAT 3725 MT= 53 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 14.68 %

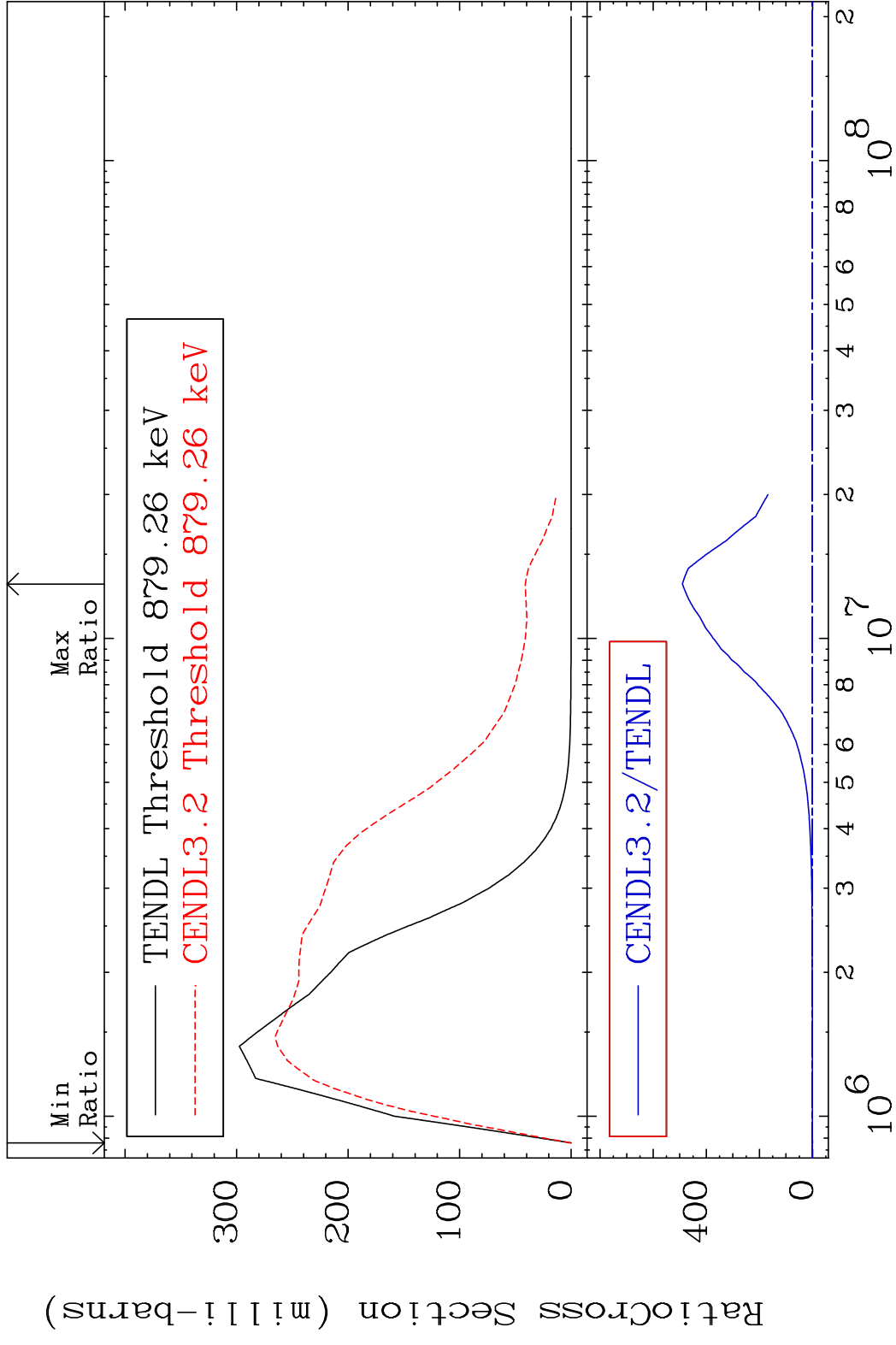


MAT 3725 MT= 54 (n, n') Level 37-Rb-85
 Cross Section -22.13 To 9999. %



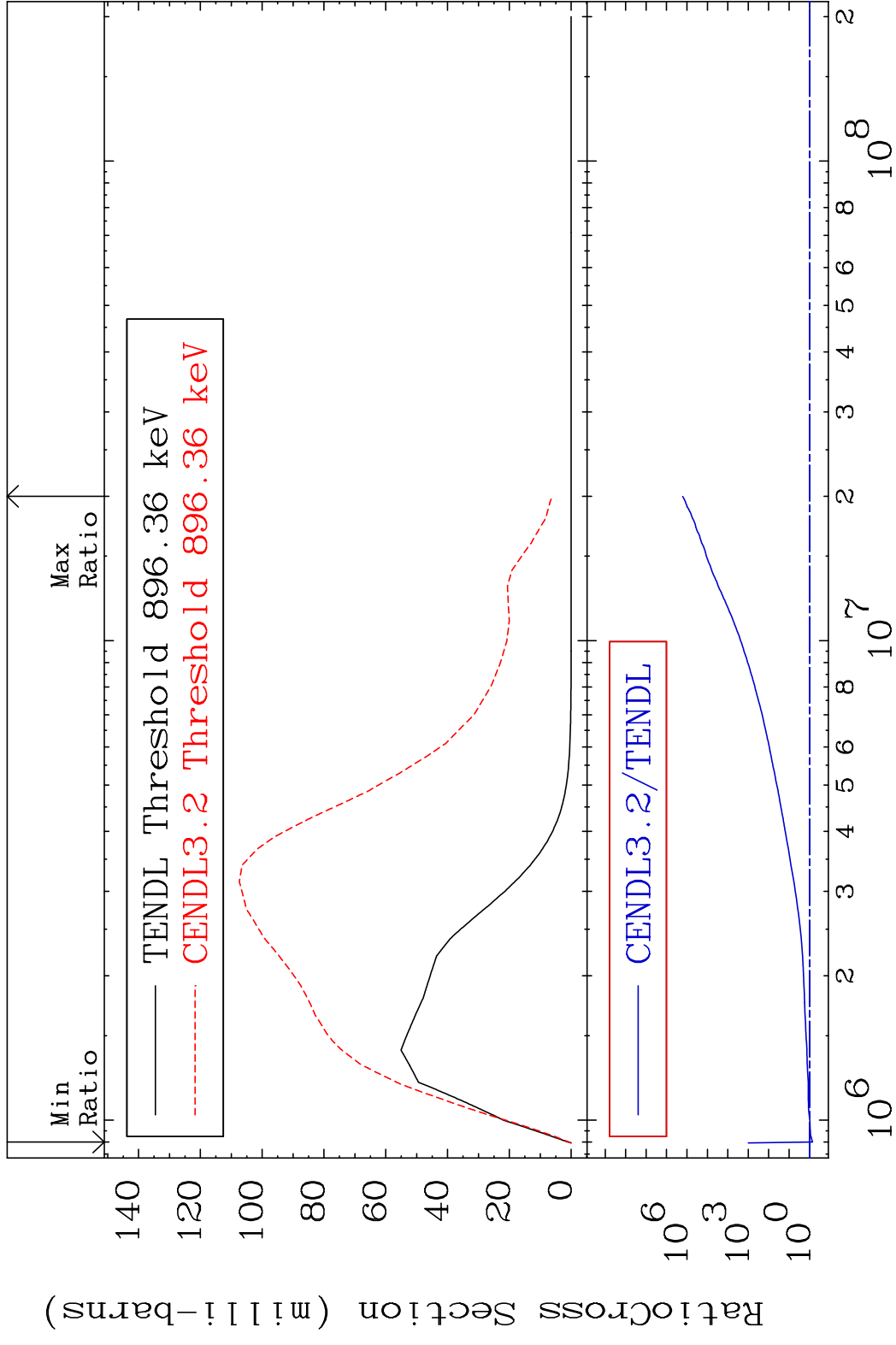
10 Incident Energy (eV) 37-Rb-85

MAT 3725 MT= 55 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 9999. %



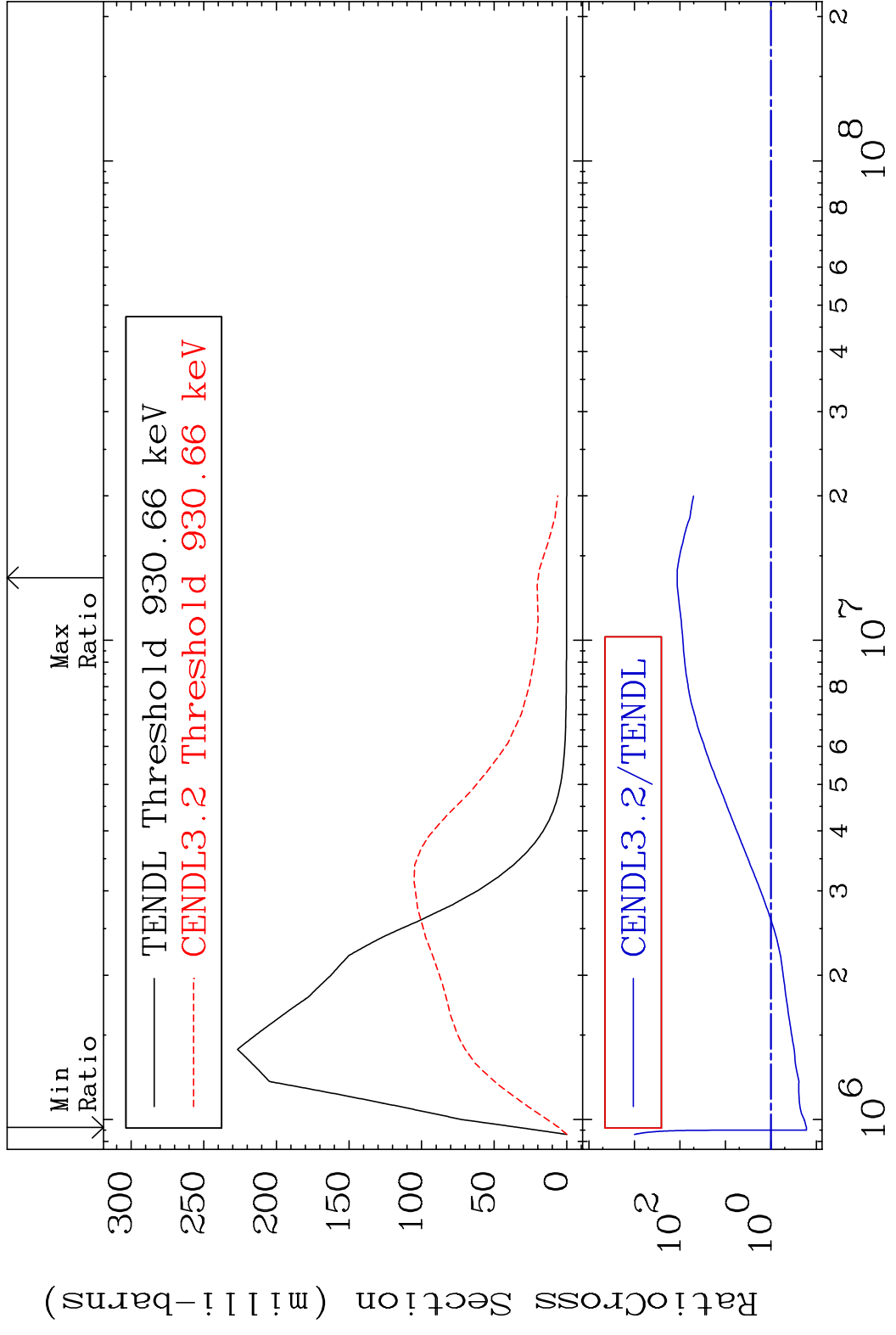
11 Incident Energy (eV) 37-Rb-85

MAT 3725 MT= 56 (n, n') Level 37-Rb-85
 Cross Section -28.90 To 9999. %



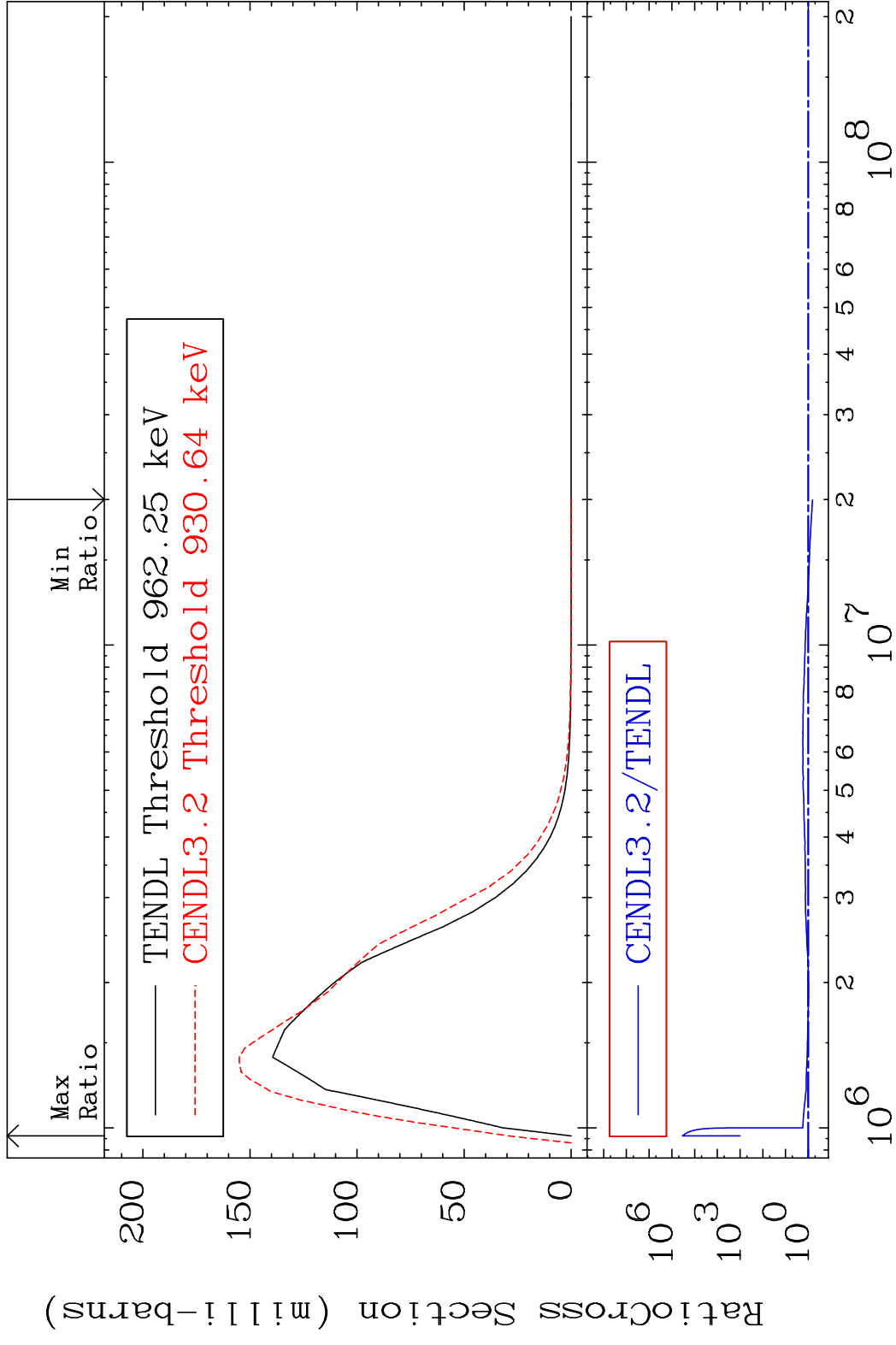
12 Incident Energy (eV) 37-Rb-85

MAT 3725 MT= 57 (n, n') Level 37-Rb-85
 Cross Section -83.34 To 9999. %



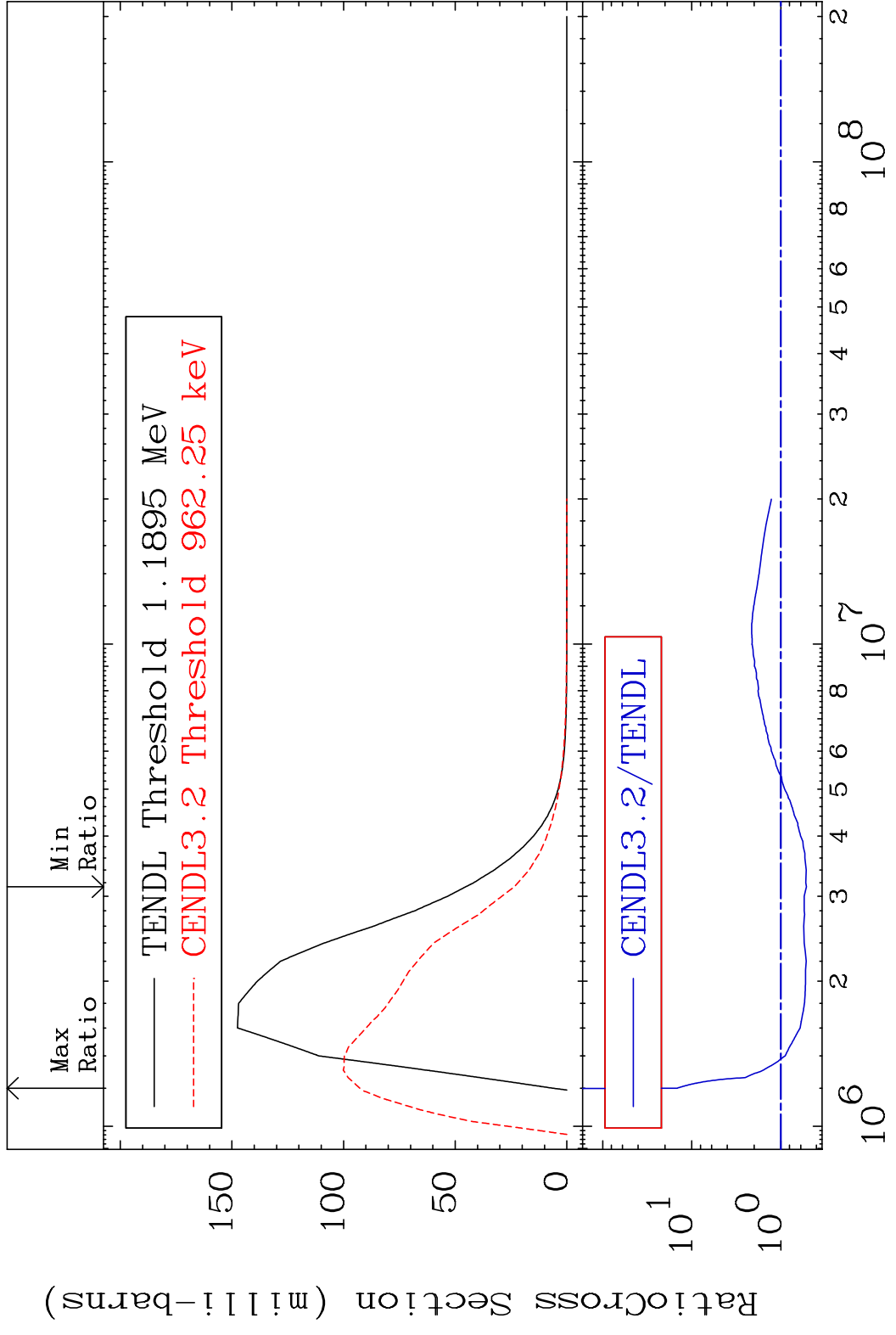
13 Incident Energy (eV) 37-Rb-85

MAT 3725 MT= 58 (n, n') Level 37-Rb-85
 Cross Section -35.17 To 9999. %



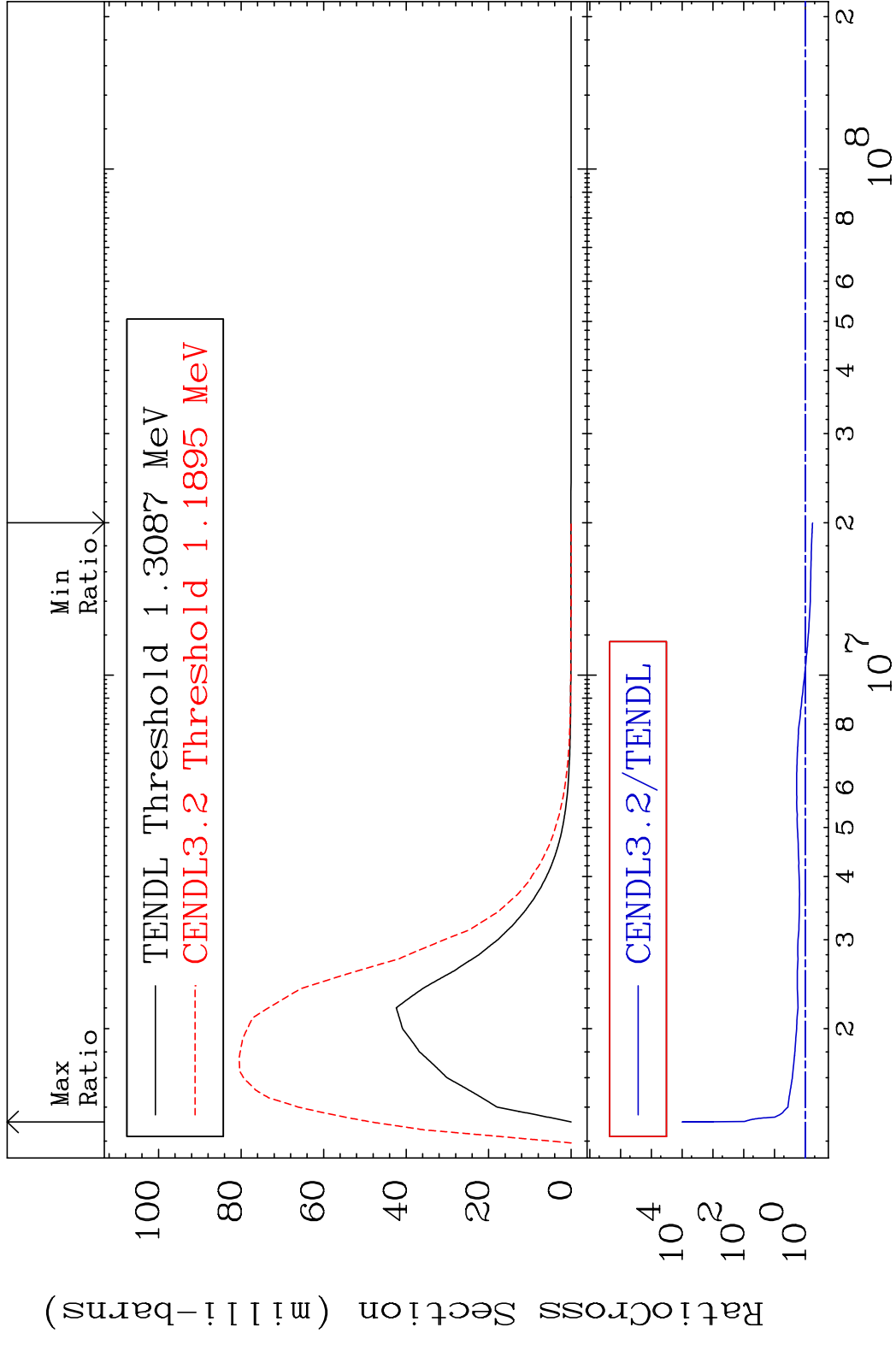
14 Incident Energy (eV) 37-Rb-85

MAT 3725 MT= 59 (n, n') Level 37-Rb-85
 Cross Section -48.20 To 1359. %

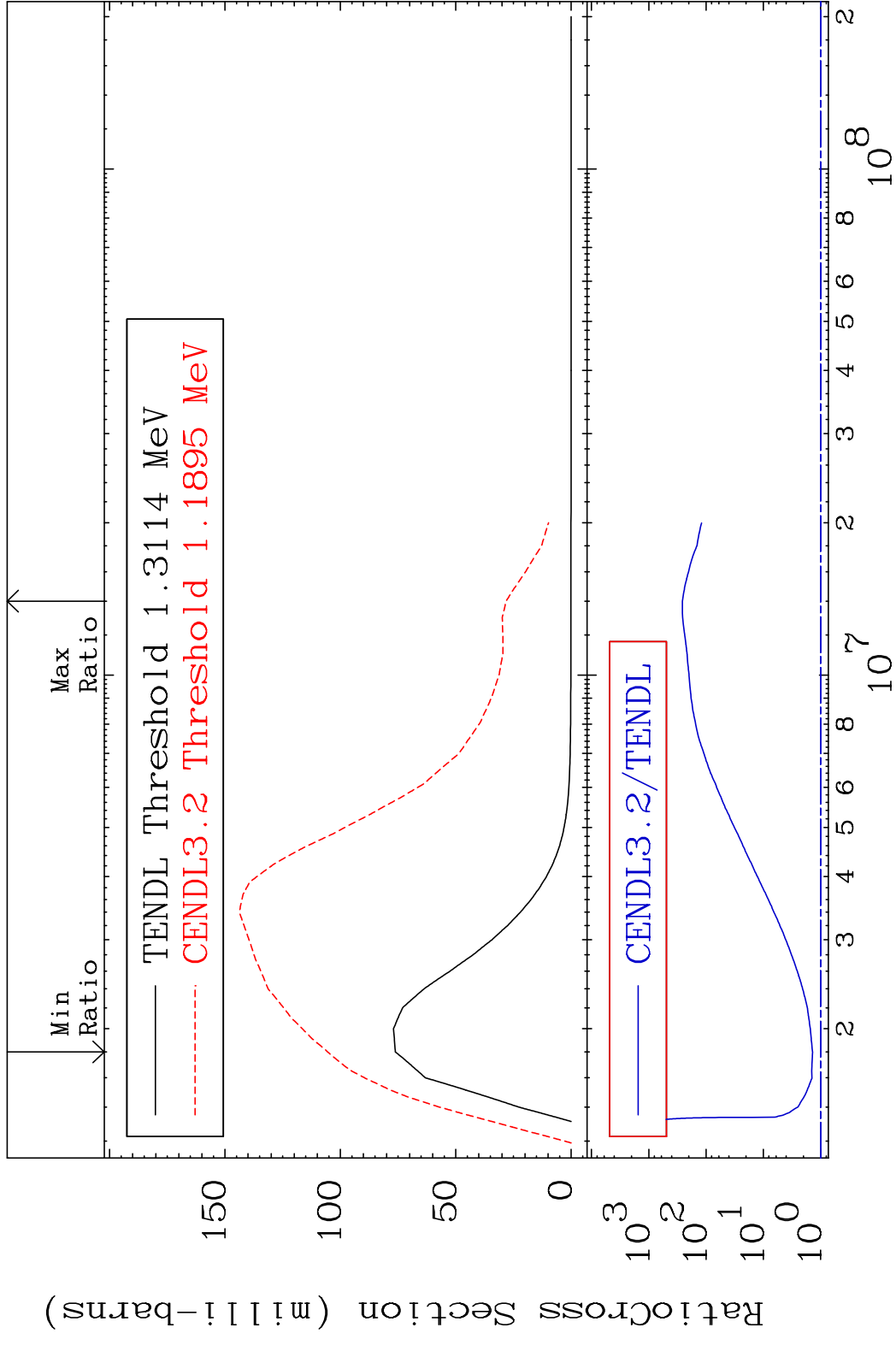


15 Incident Energy (eV) 37-Rb-85

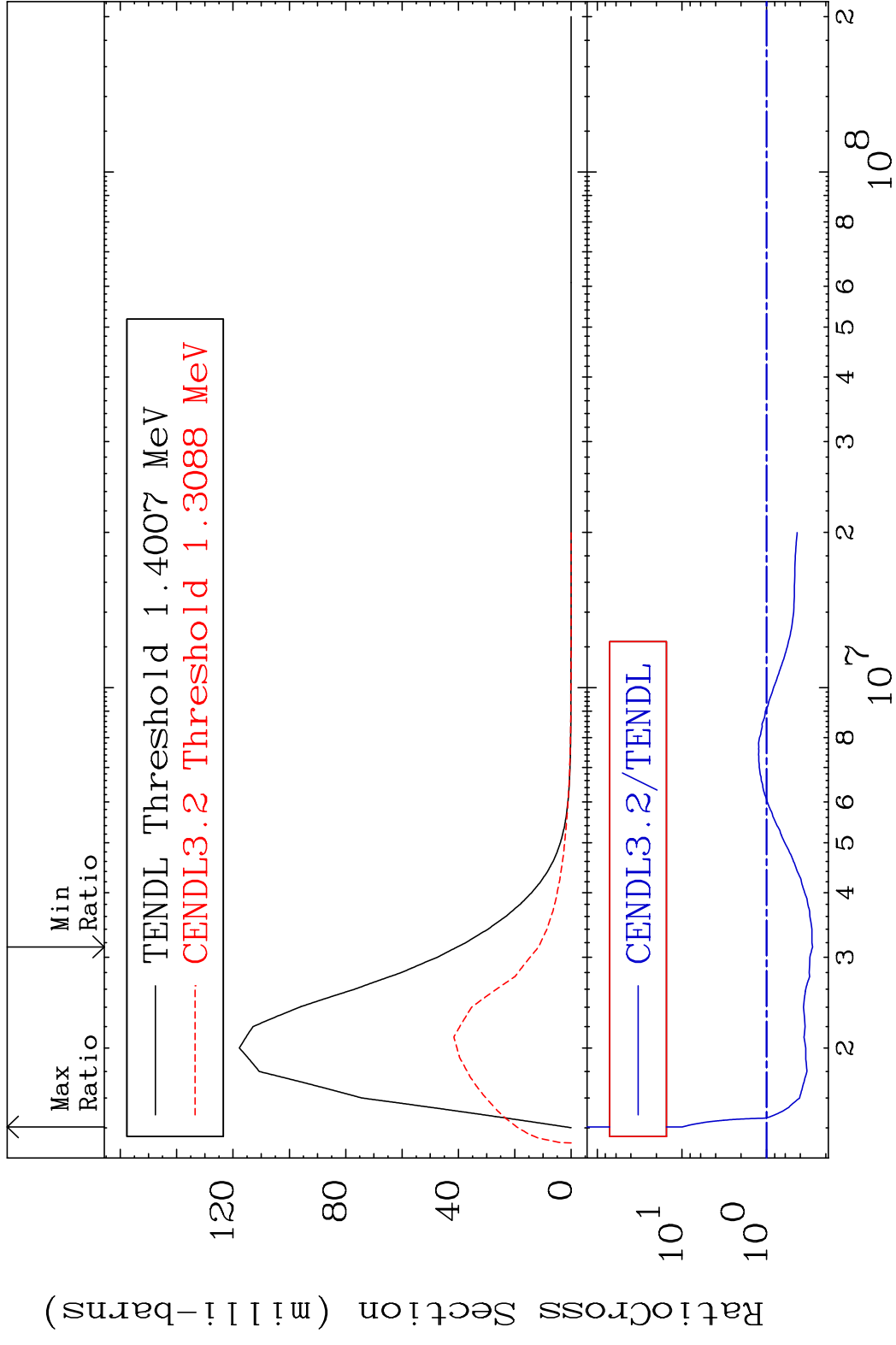
MAT 3725 MT= 60 (n, n') Level 37-Rb-85
 Cross Section -41.70 To 9999. %



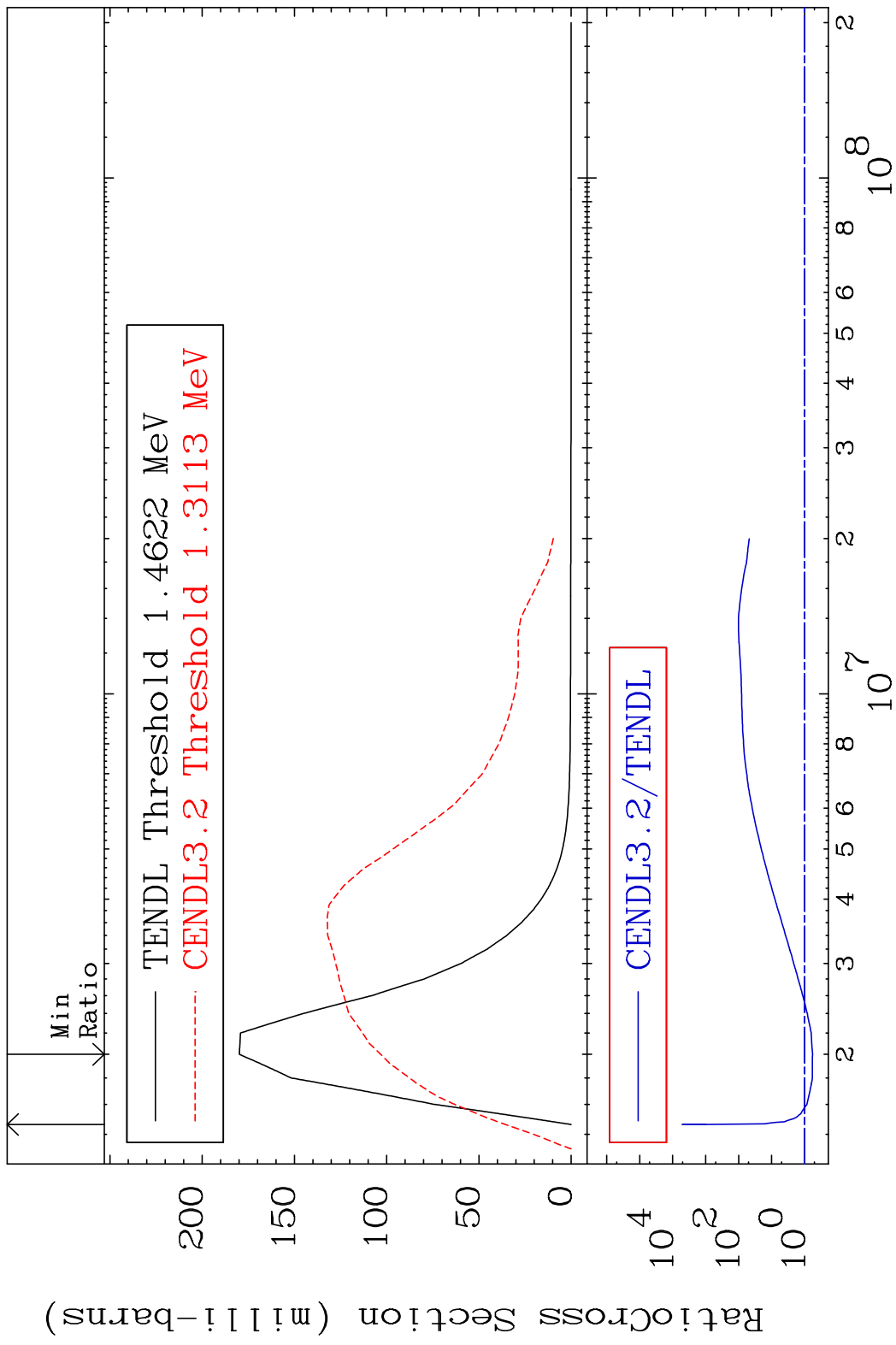
MAT 3725 MT= 61 (n, n') Level 37-Rb-85
 Cross Section 38.52 To 9999. %



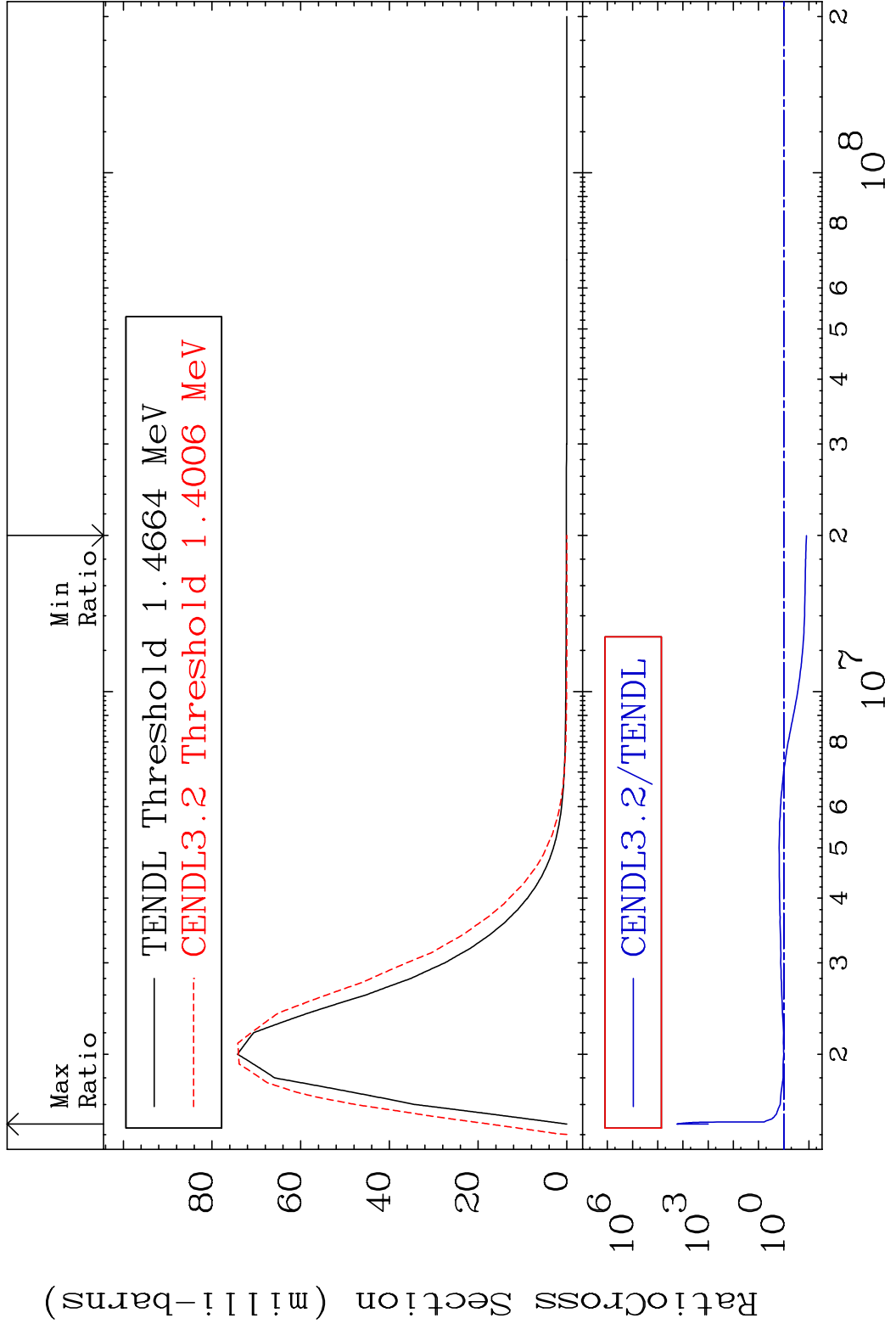
MAT 3725 MT= 62 (n, n') Level 37-Rb-85
 Cross Section -71.38 To 887.3 %



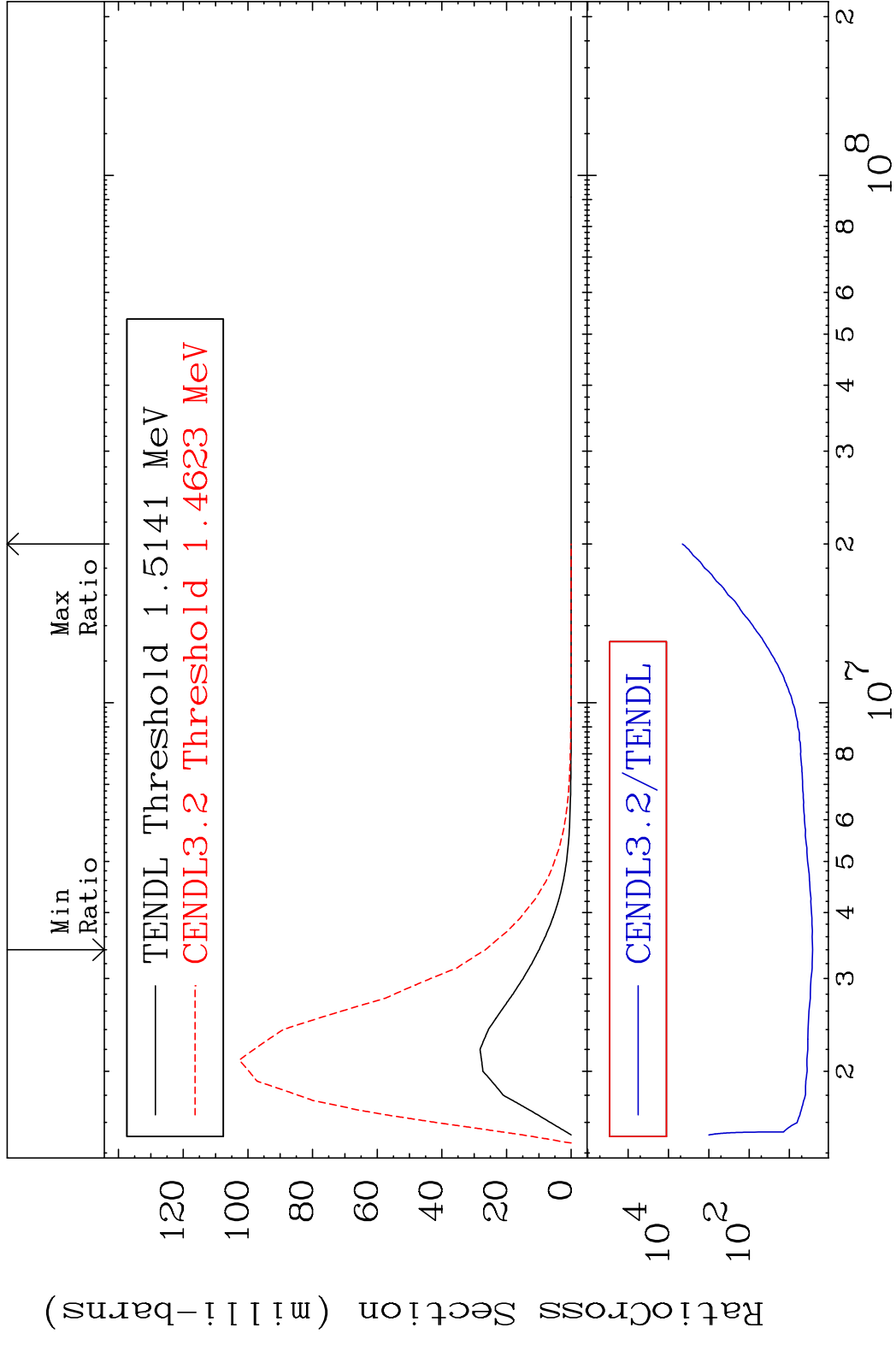
MAT 3725 MT= 63 (n, n') Level 37-Rb-85
 Cross Section -42.61 To 9999. %



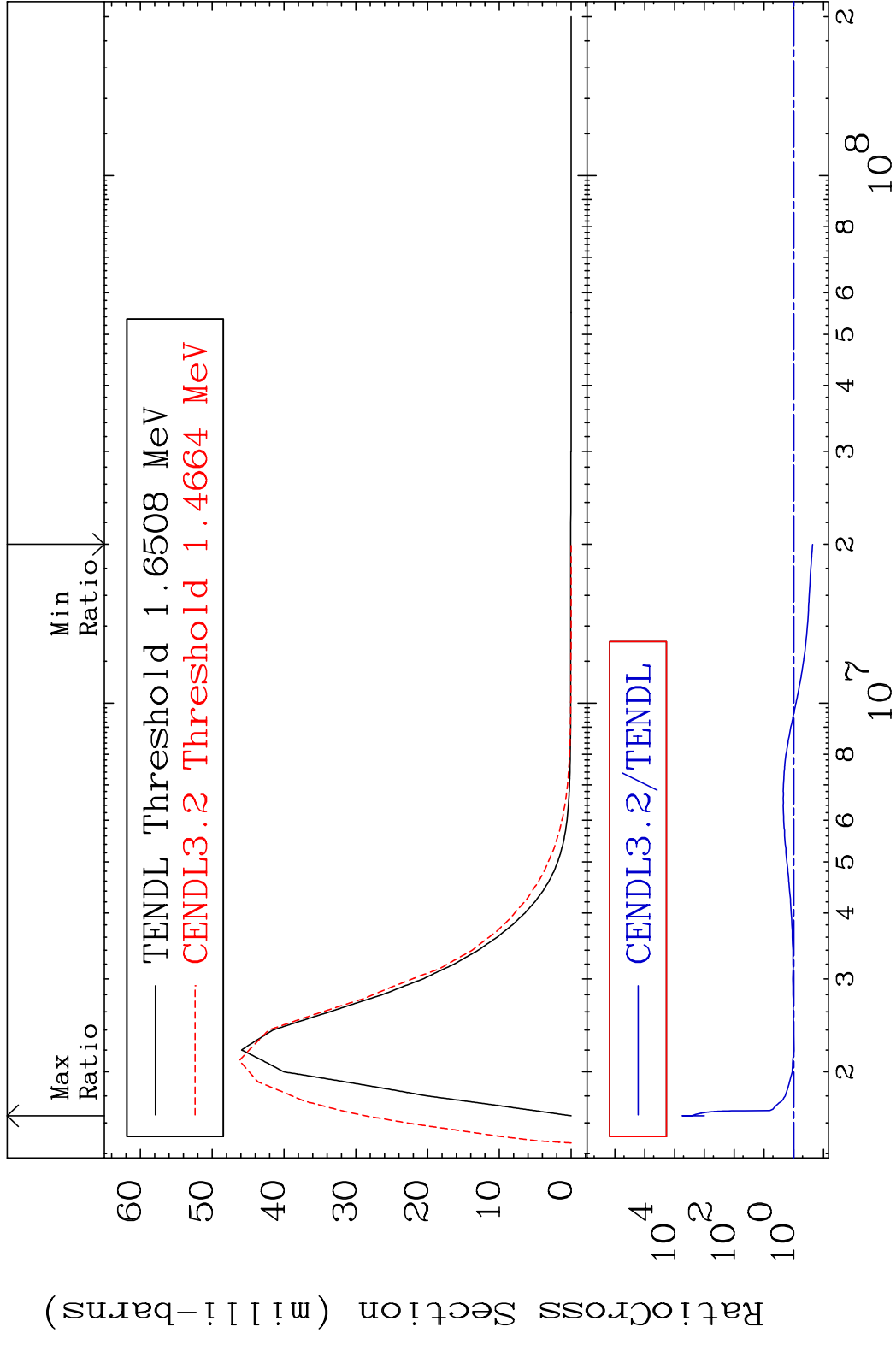
MAT 3725 MT= 64 (n,n') Level 37-Rb-85
 Cross Section -87.44 To 9999. %



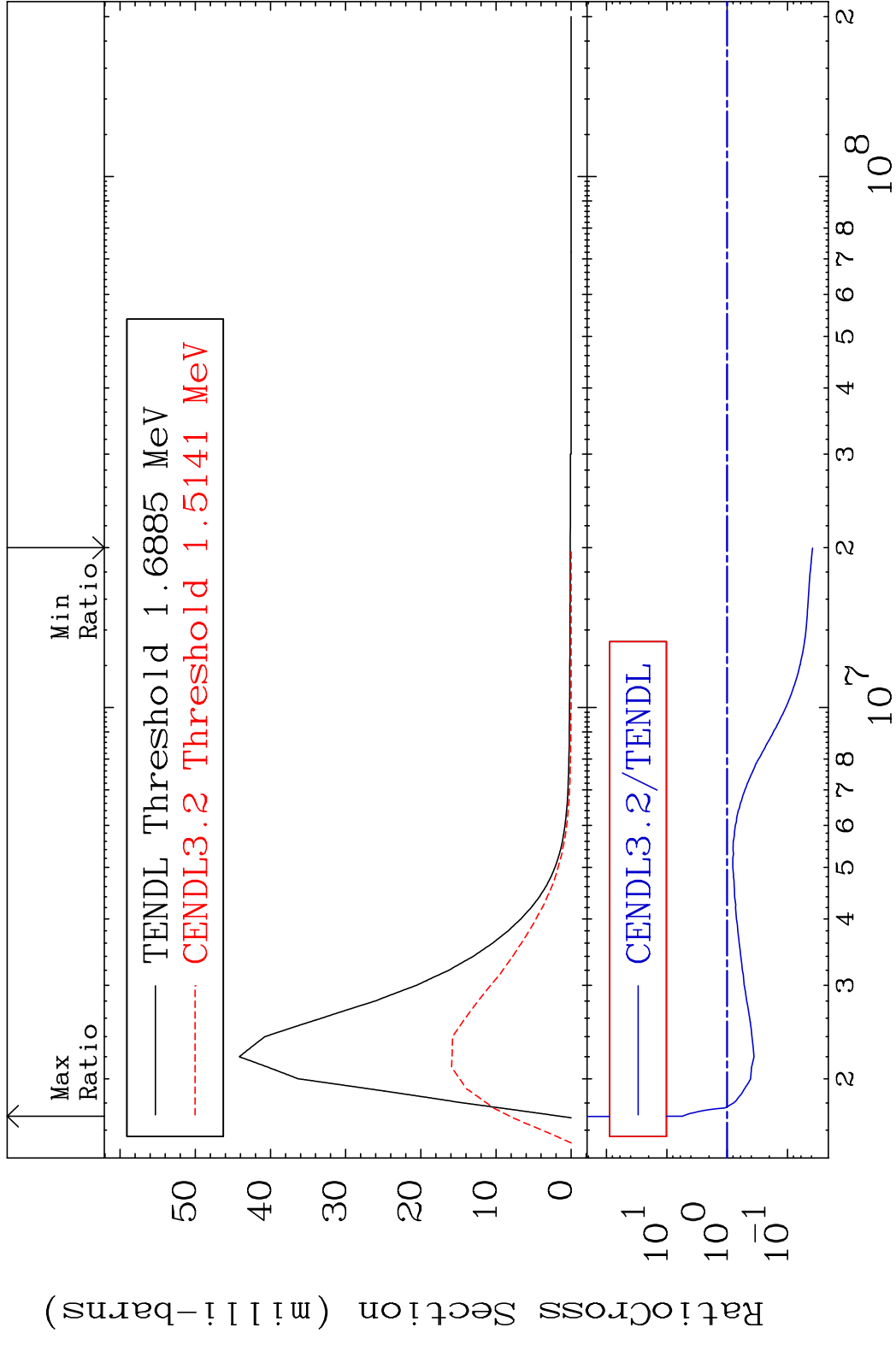
MAT 3725 MT= 65 (n, n') Level 37-Rb-85
 Cross Section 167.2 To 9999. %



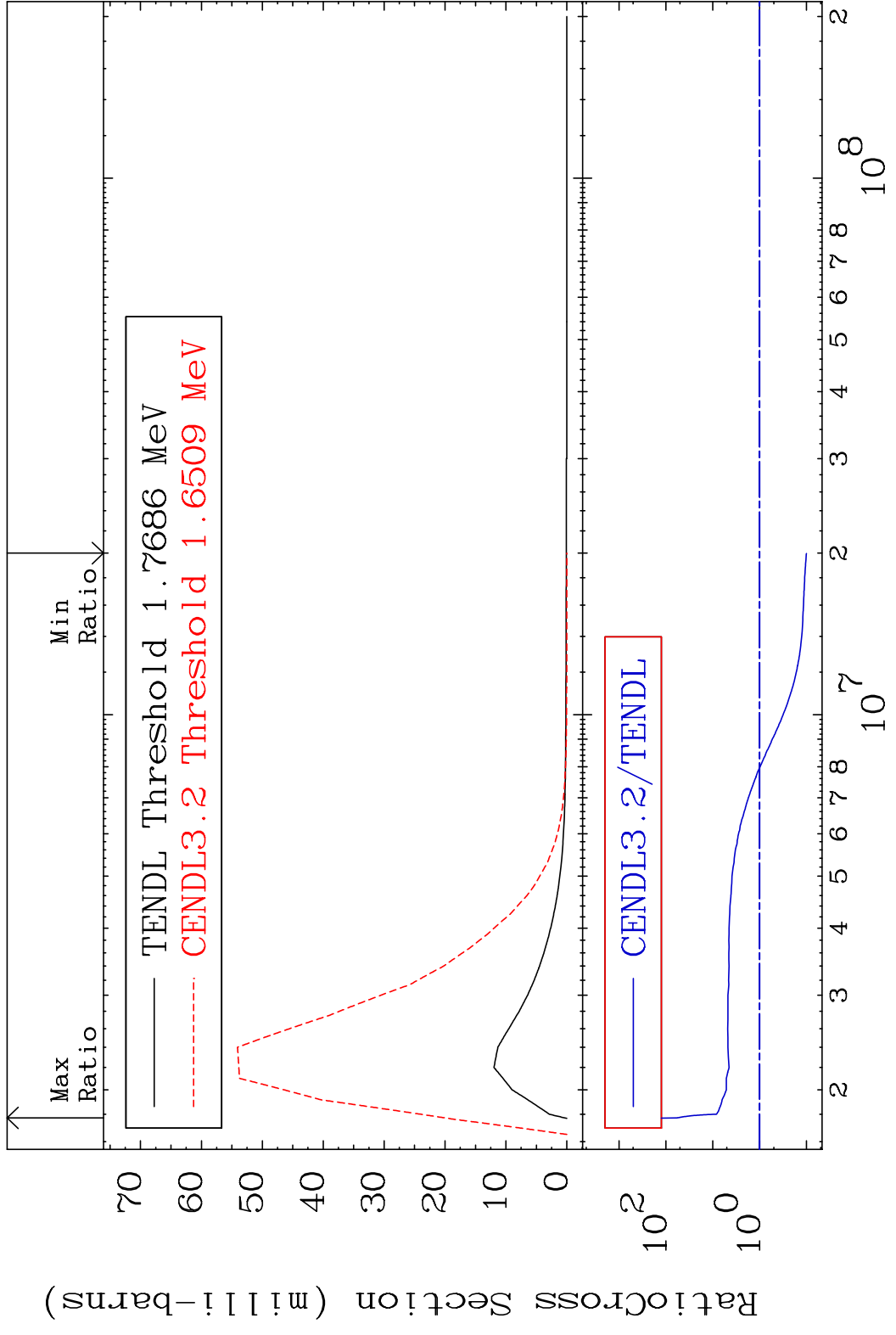
MAT 3725 MT= 66 (n, n') Level 37-Rb-85
 Cross Section -76.71 To 9999. %



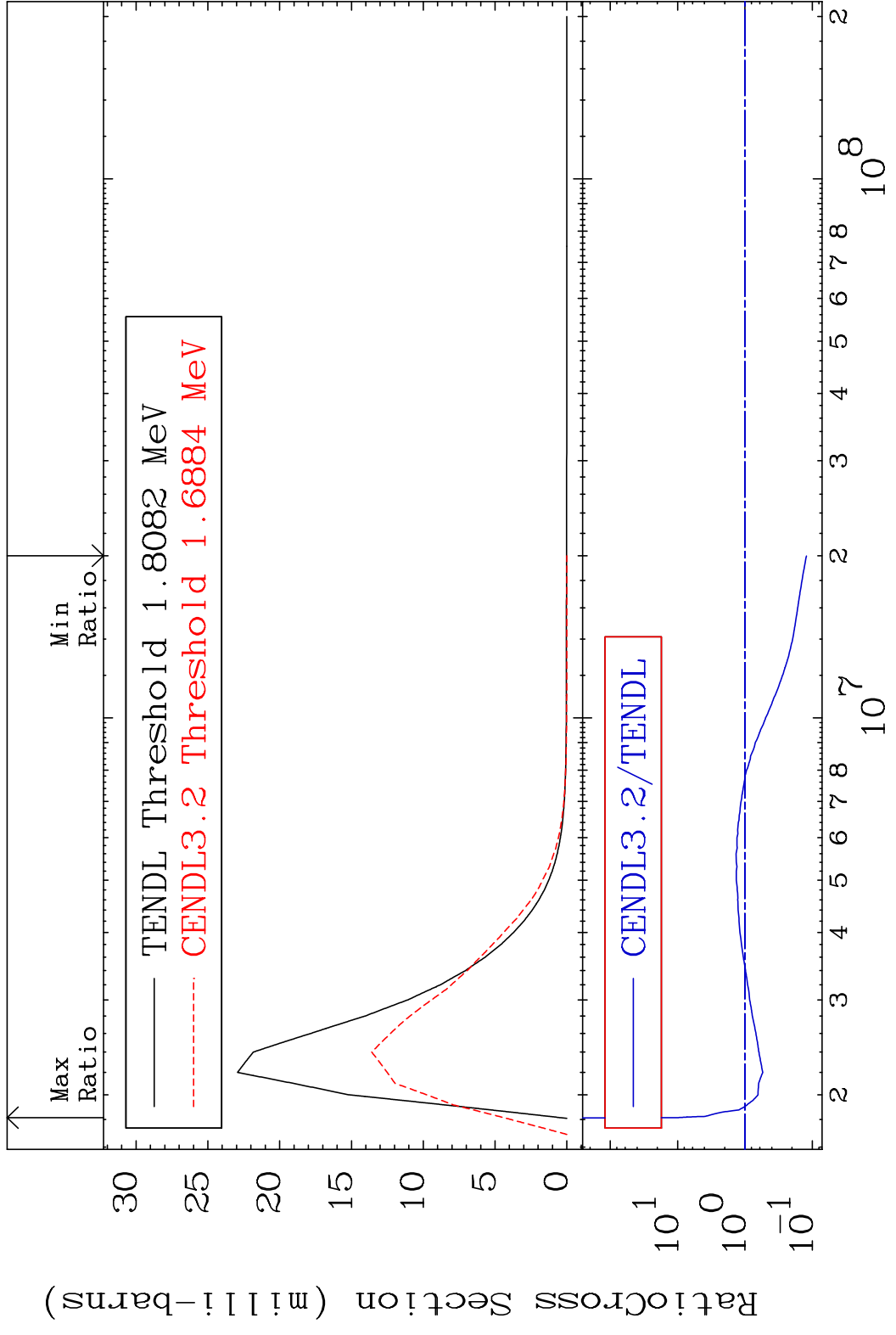
MAT 3725 MT= 67 (n, n') Level 37-Rb-85
 Cross Section -96.16 To 453.7 %



MAT 3725 MT= 68 (n, n') Level 37-Rb-85
 Cross Section -89.93 To 5634. %



MAT 3725 MT= 69 (n, n') Level 37-Rb-85
 Cross Section -87.76 To 916.5 %

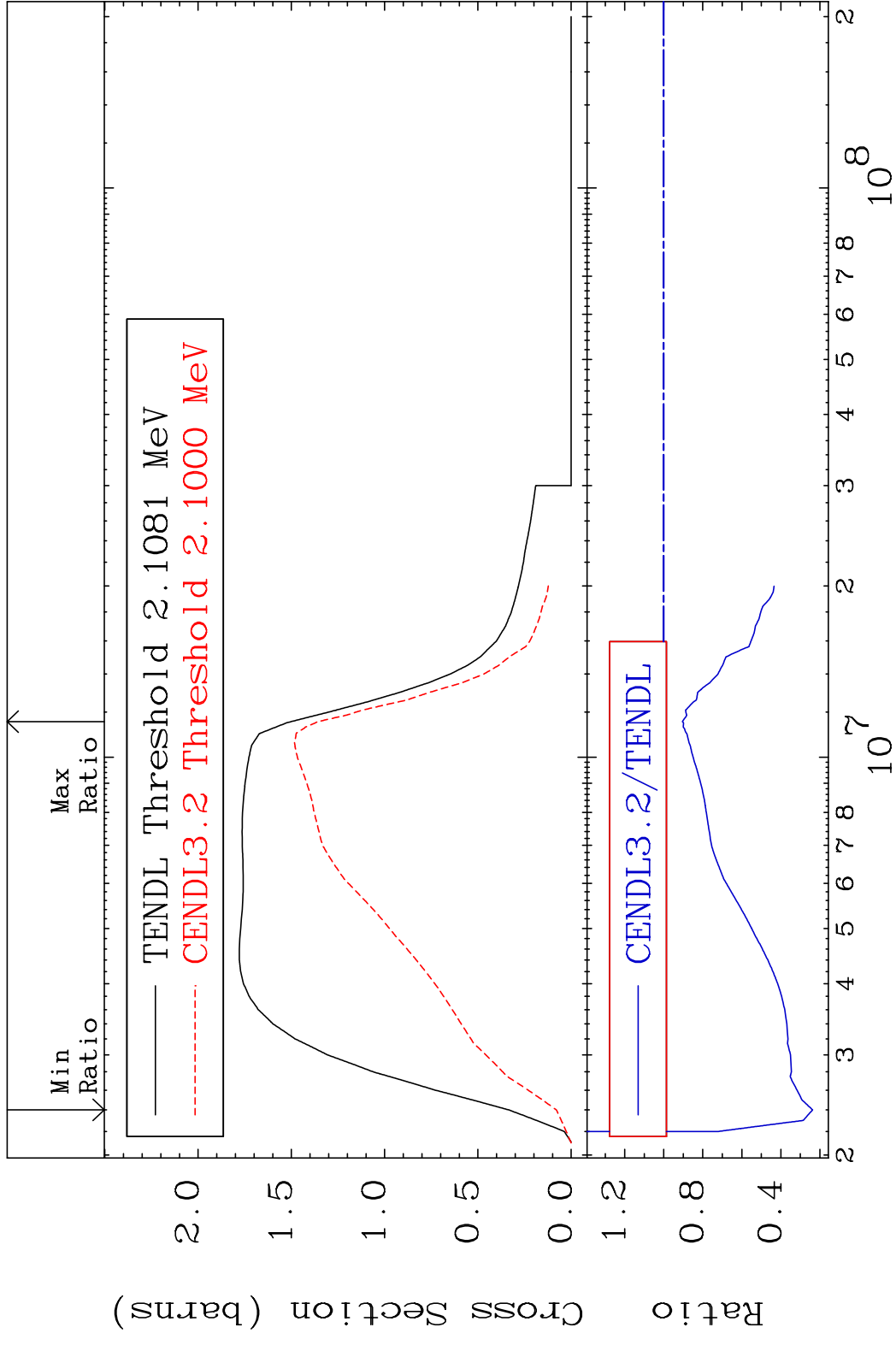


MAT 3725

(n,n') Continuum

37-Rb-85

Cross Section -76.27 To -9.529%

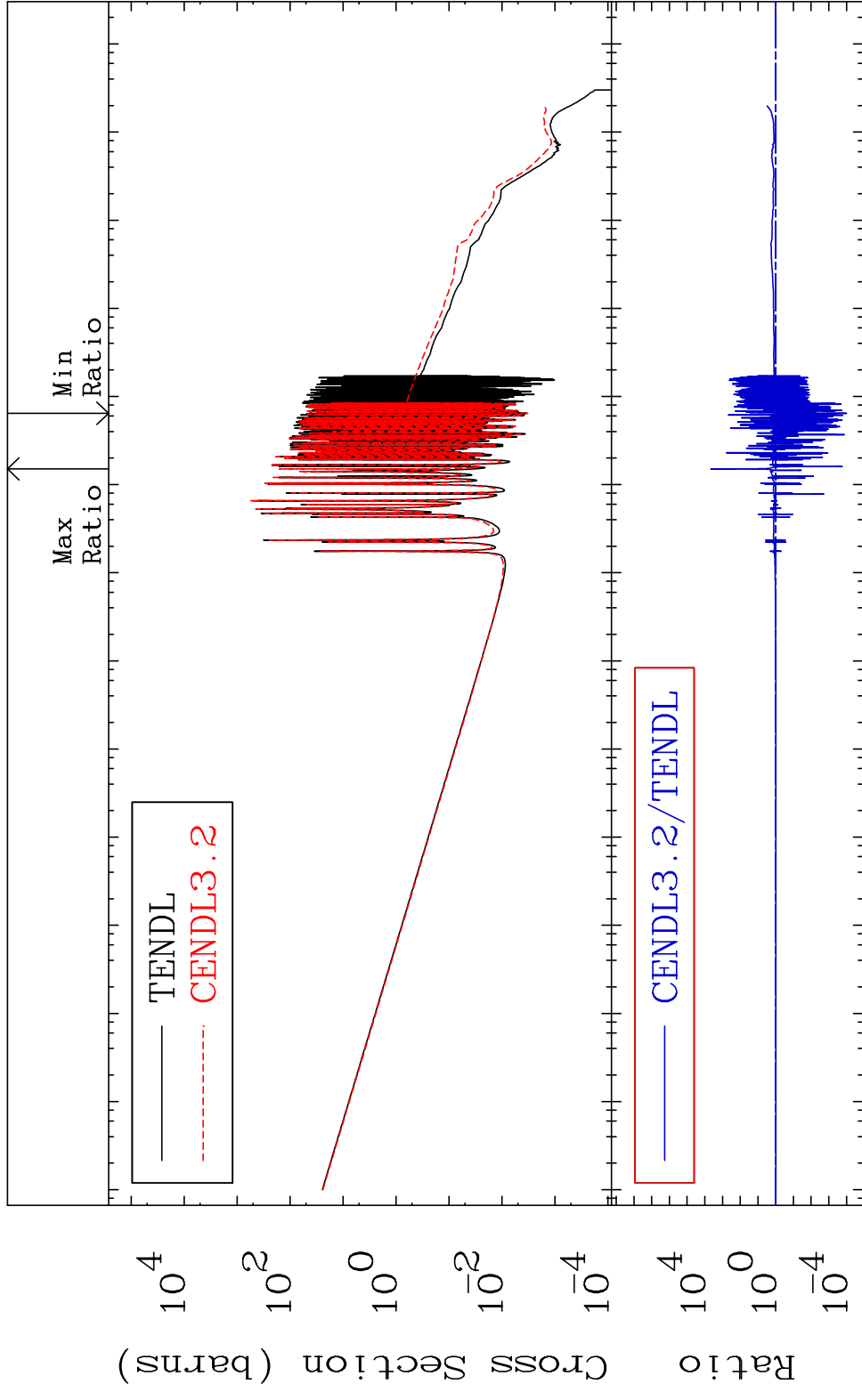


MAT 3725

37-Rb-85

(n, γ)

Cross Section -99.99 To 9999. %



27

Incident Energy (eV)

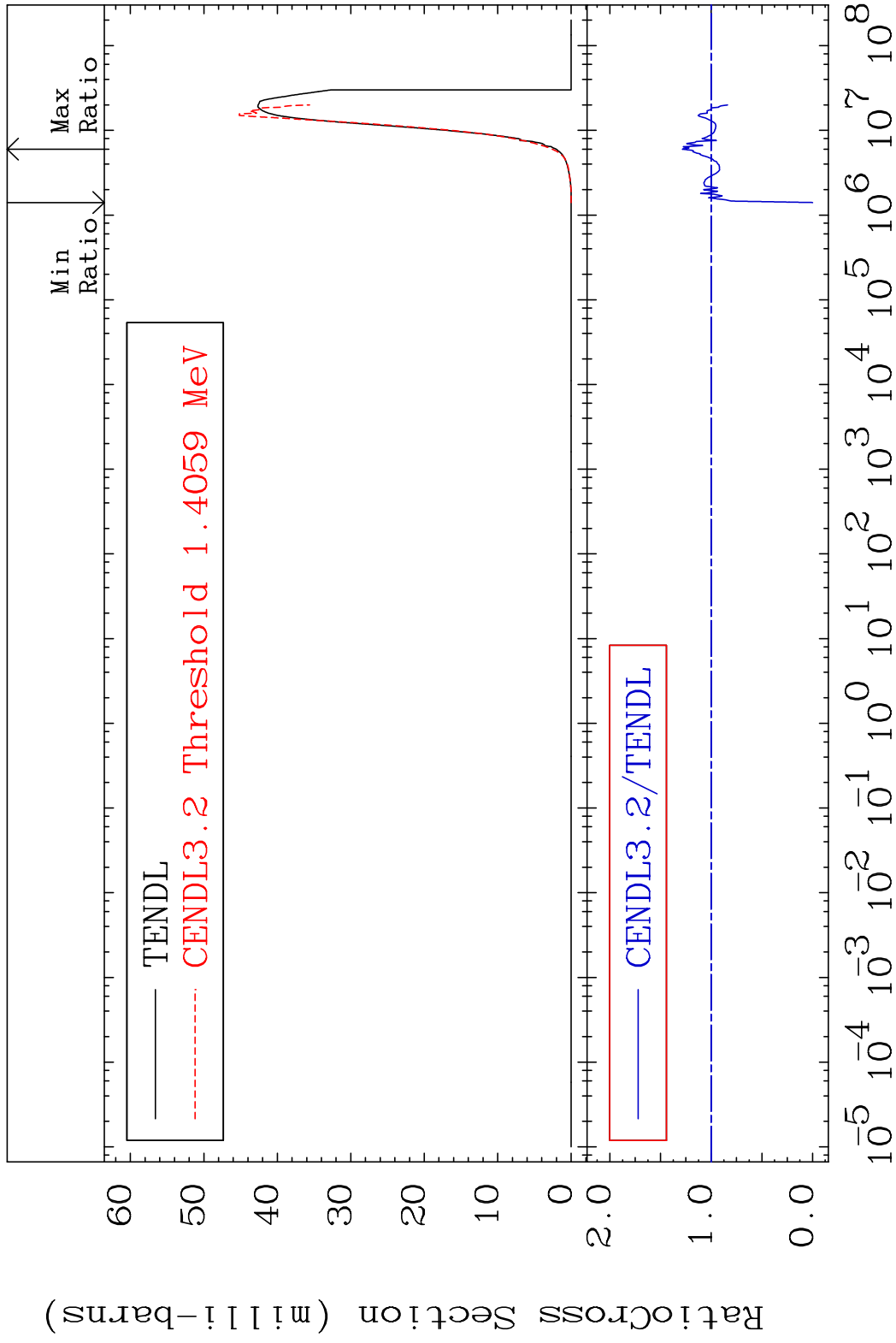
37-Rb-85

MAT 3725

(n, p)

37-Rb-85

Cross Section -100.0 To 28.47 %



28

Incident Energy (eV)

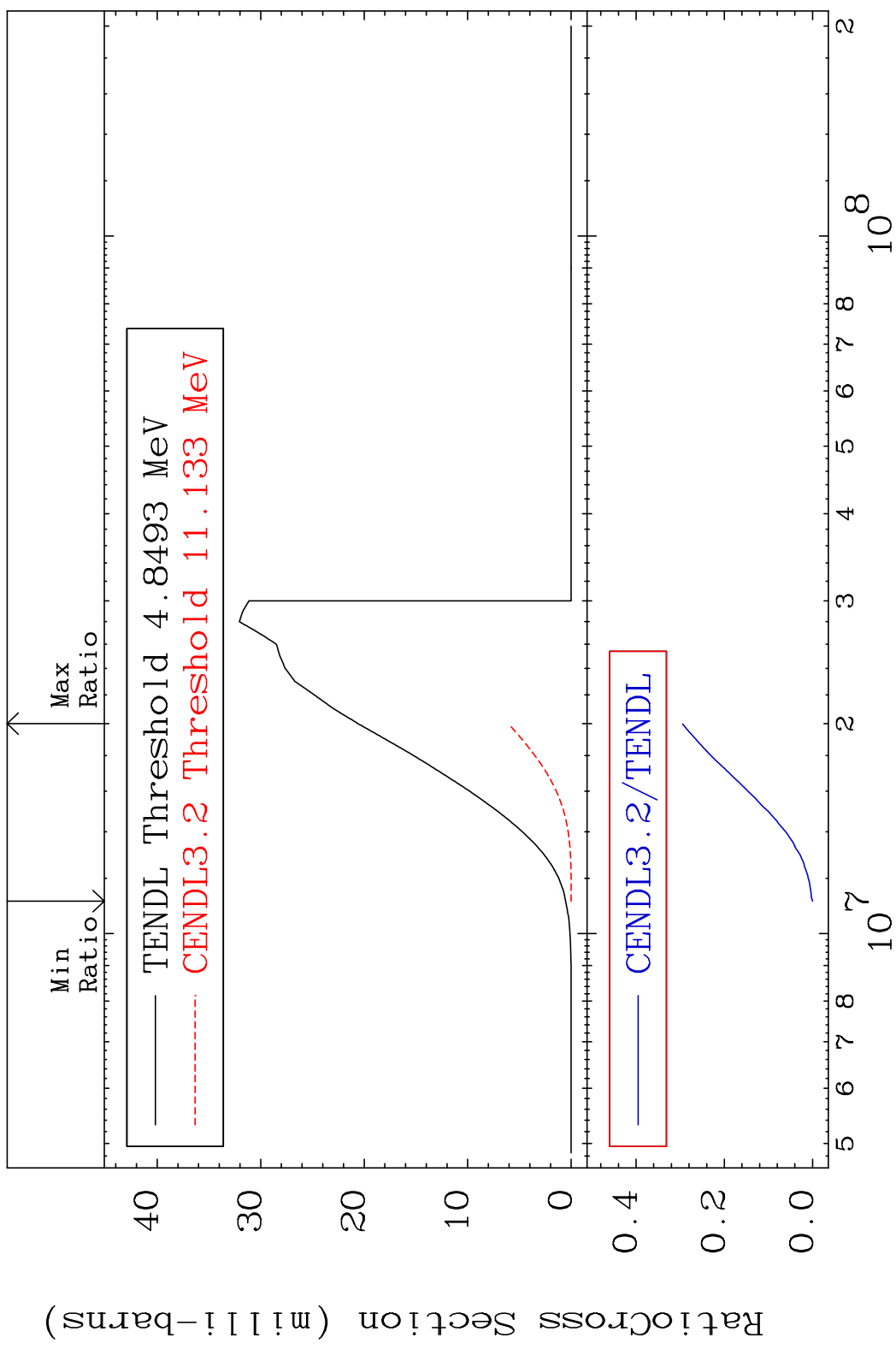
37-Rb-85

MAT 3725

(n, d)

37-Rb-85

Cross Section -100.0 To -70.49%

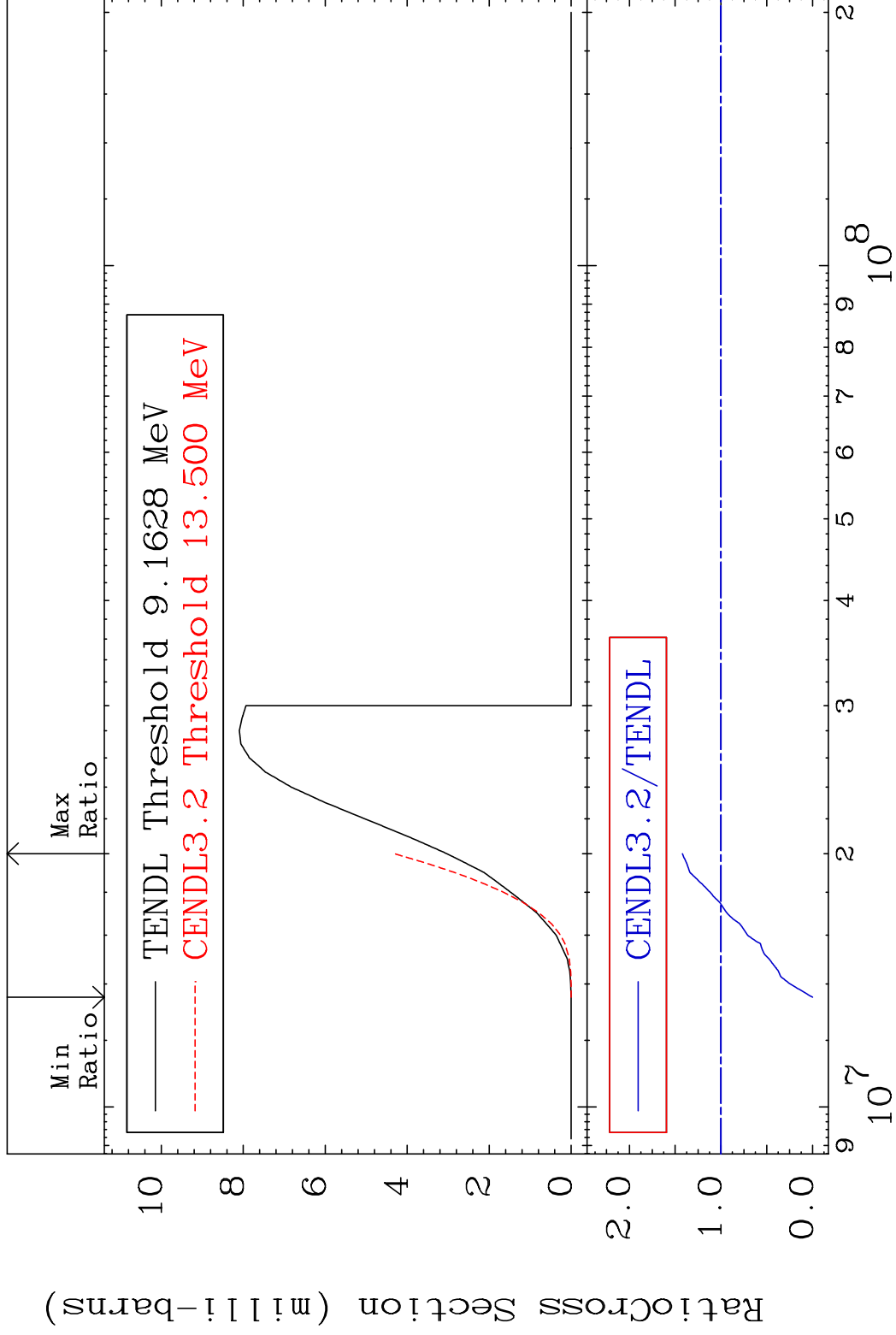


MAT 3725

(n, t)

37-Rb-85

Cross Section -100.0 To 42.19 %

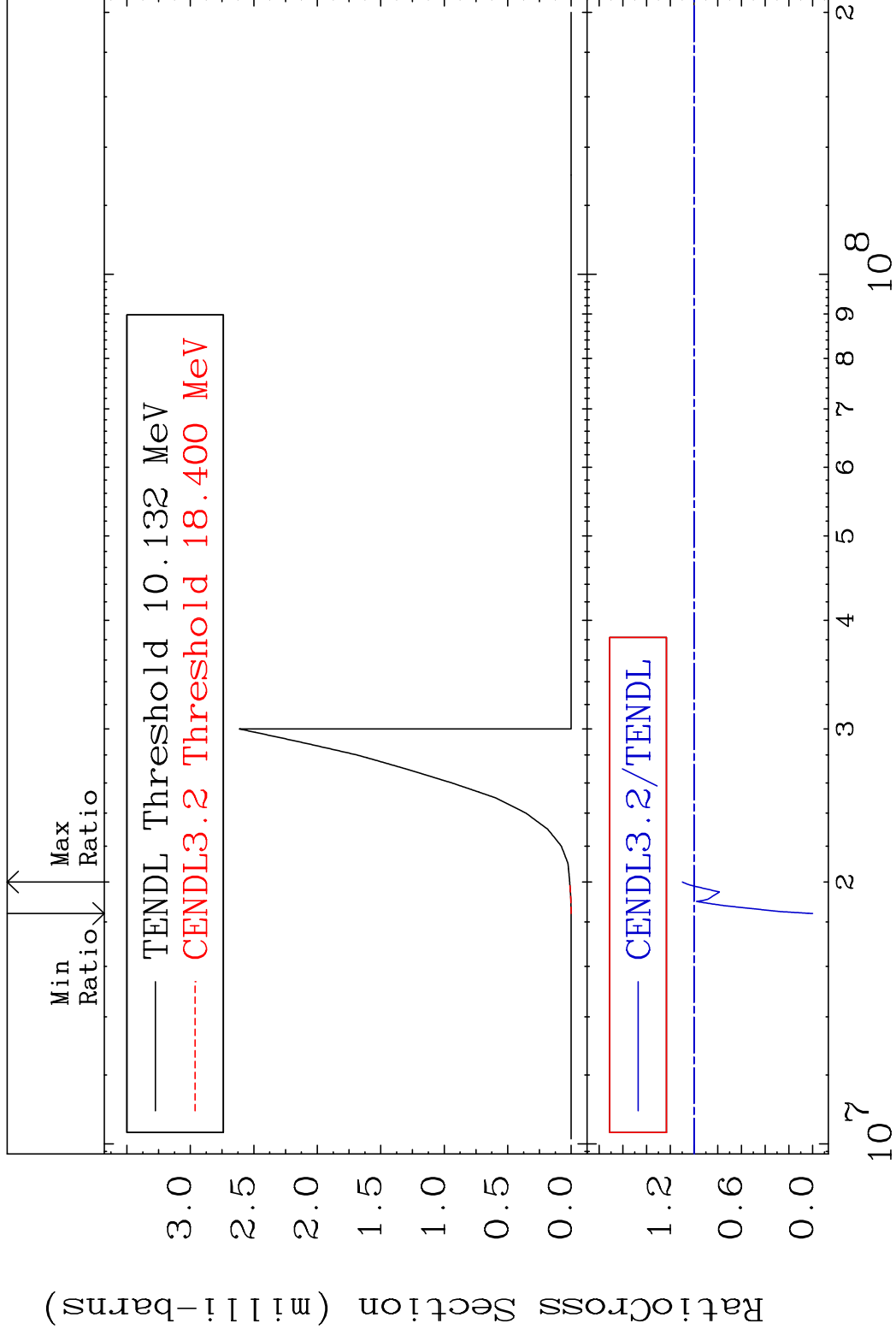


MAT 3725

(n, He-3)

37-Rb-85

Cross Section -100.0 To 9.826 %



31

Incident Energy (eV)

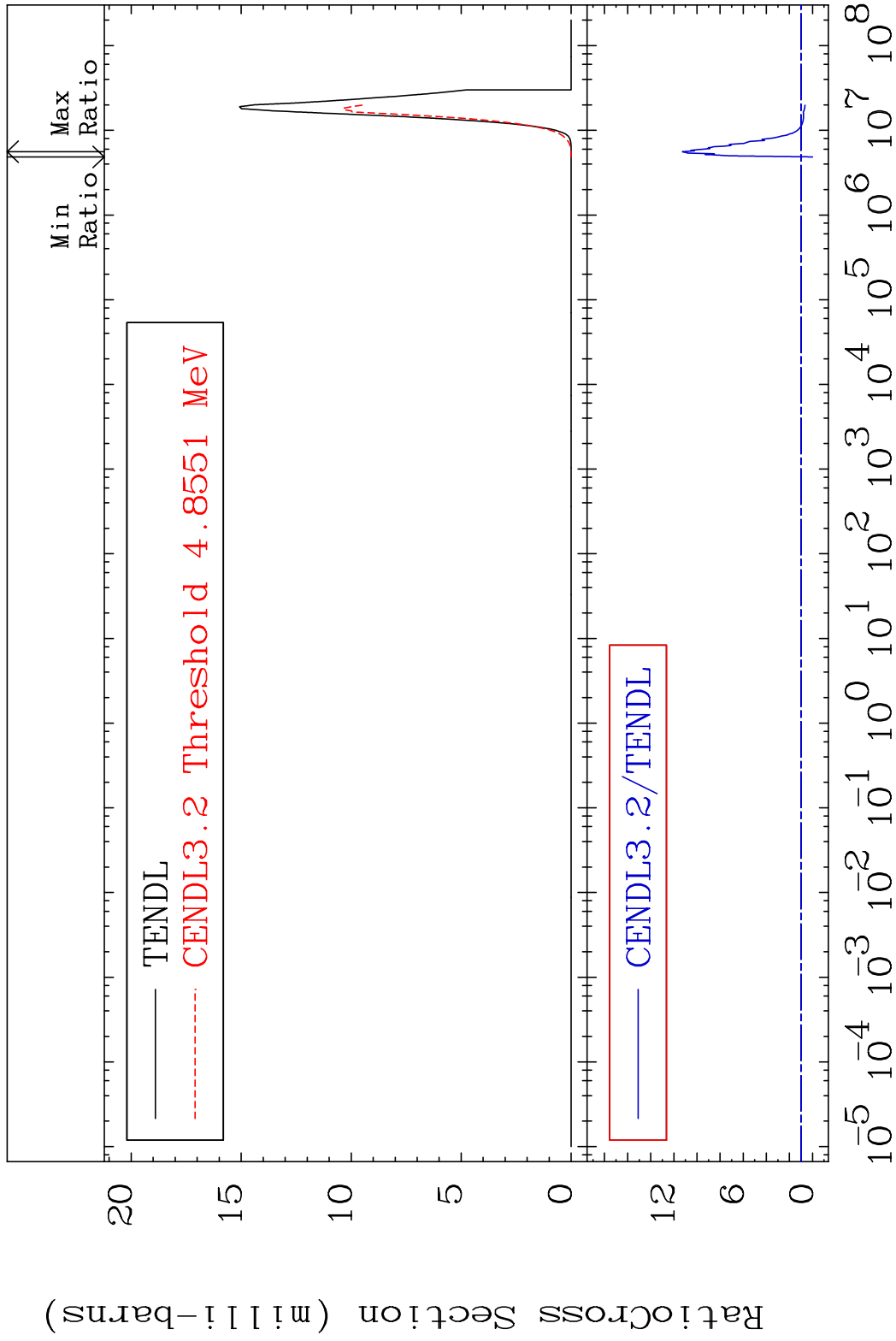
37-Rb-85

MAT 3725

(n, α)

37-Rb-85

Cross Section -100.0 To 1026. %

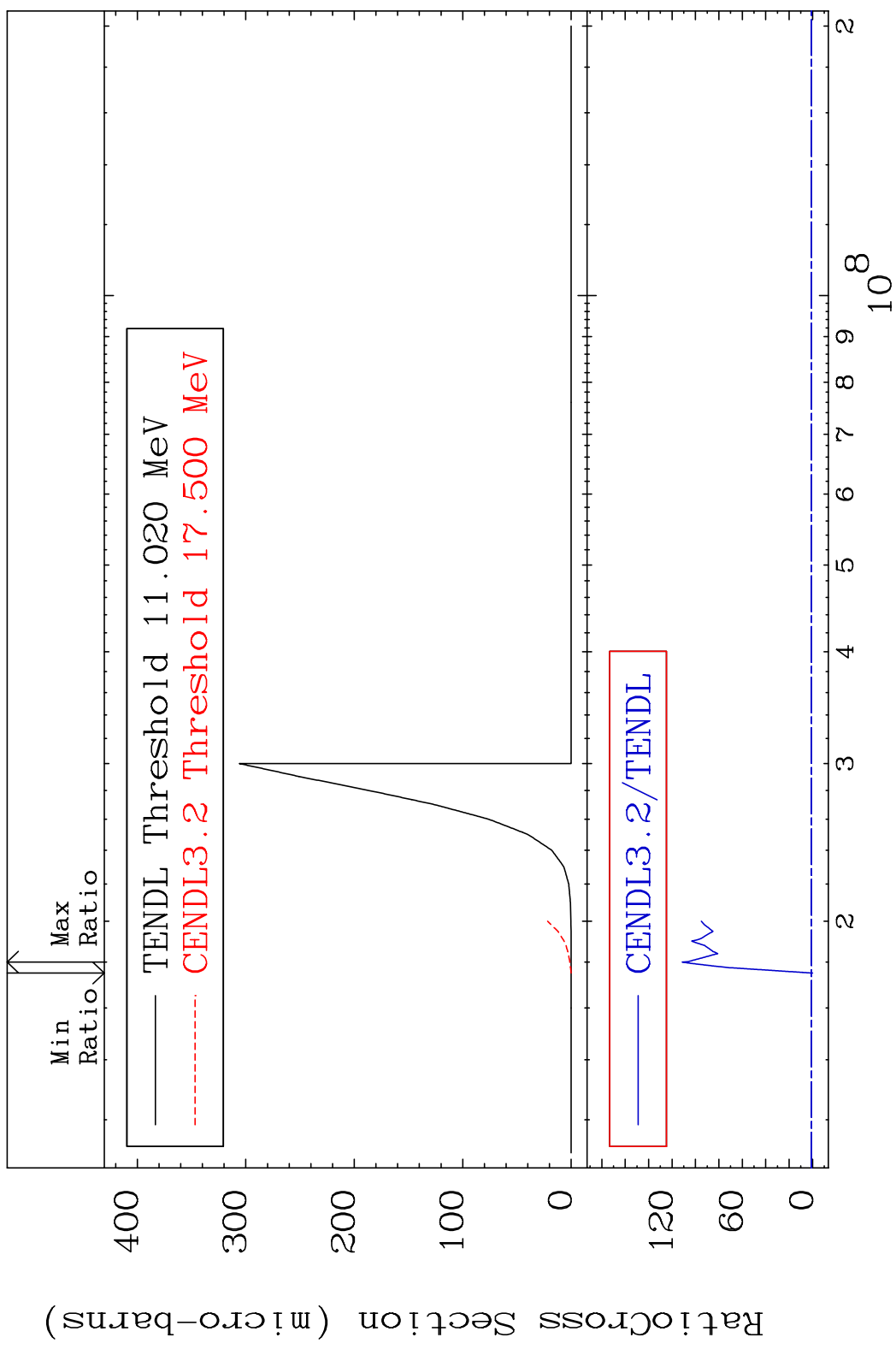


MAT 3725

(n,2p)

37-Rb-85

Cross Section -100.0 To 9999. %

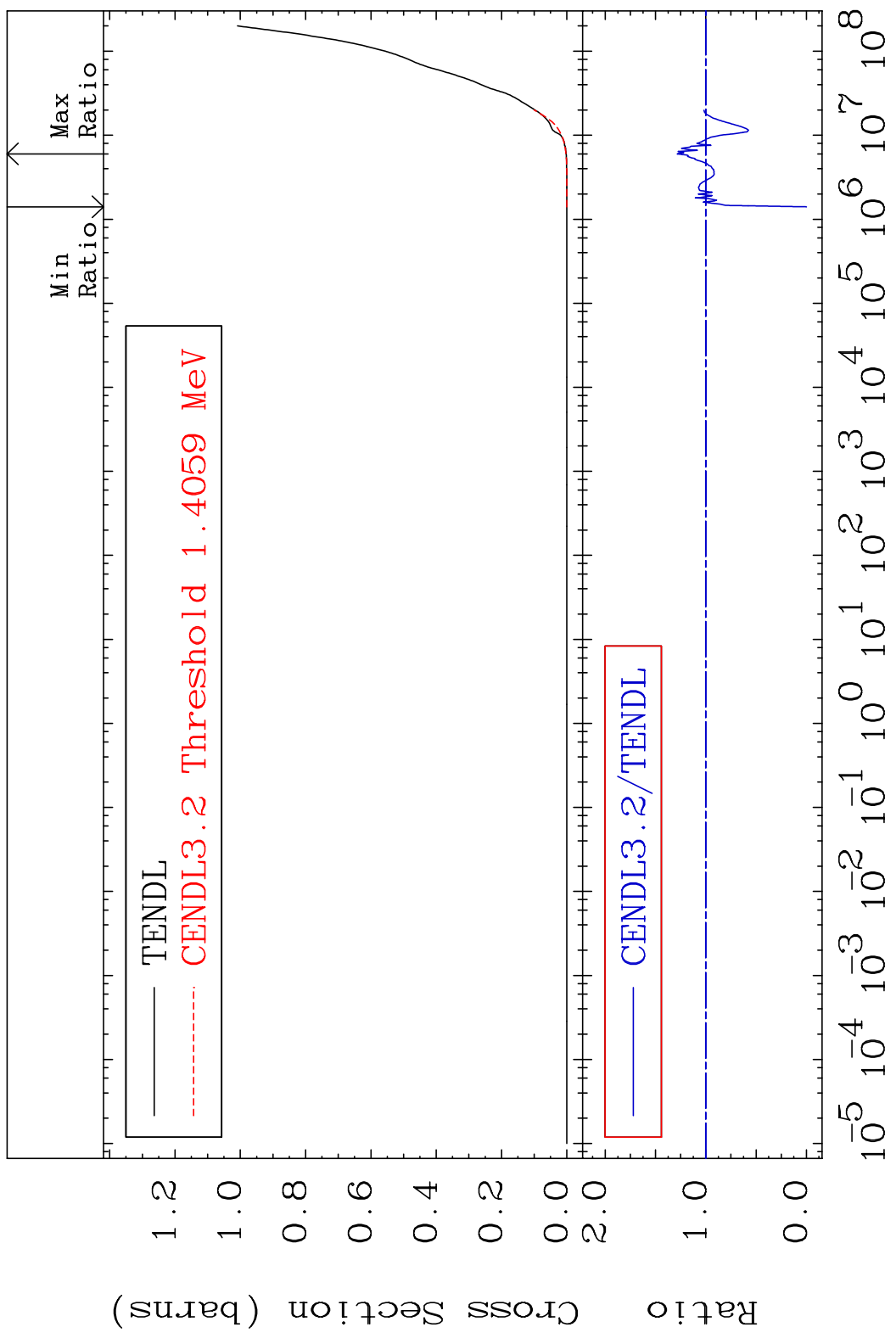


MAT 3725

Hydrogen Production

37-Rb-85

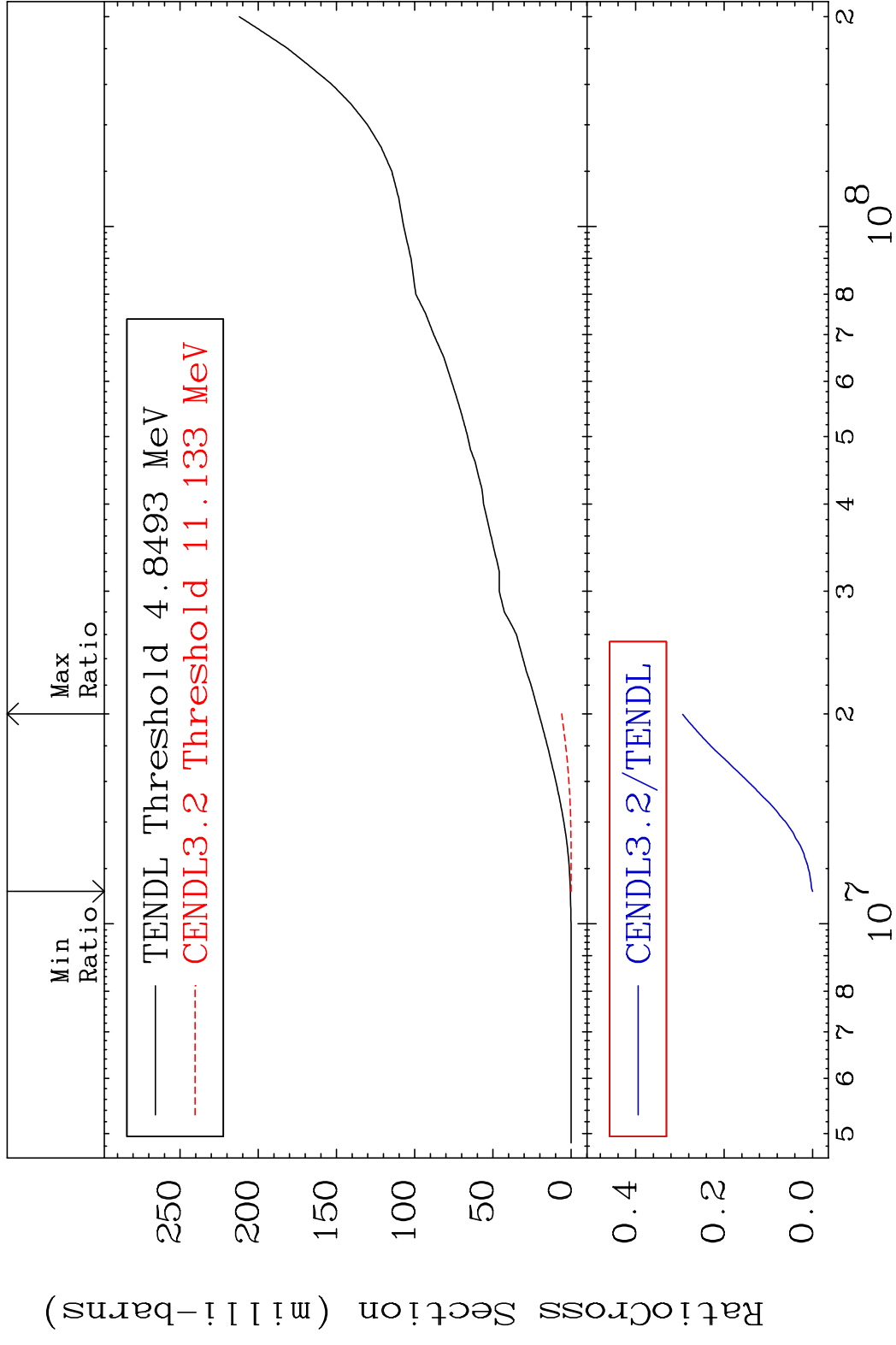
Cross Section -100.0 To 28.47 %



MAT 3725

Deuterium Production 37-Rb-85

Cross Section -100.0 To -70.55%



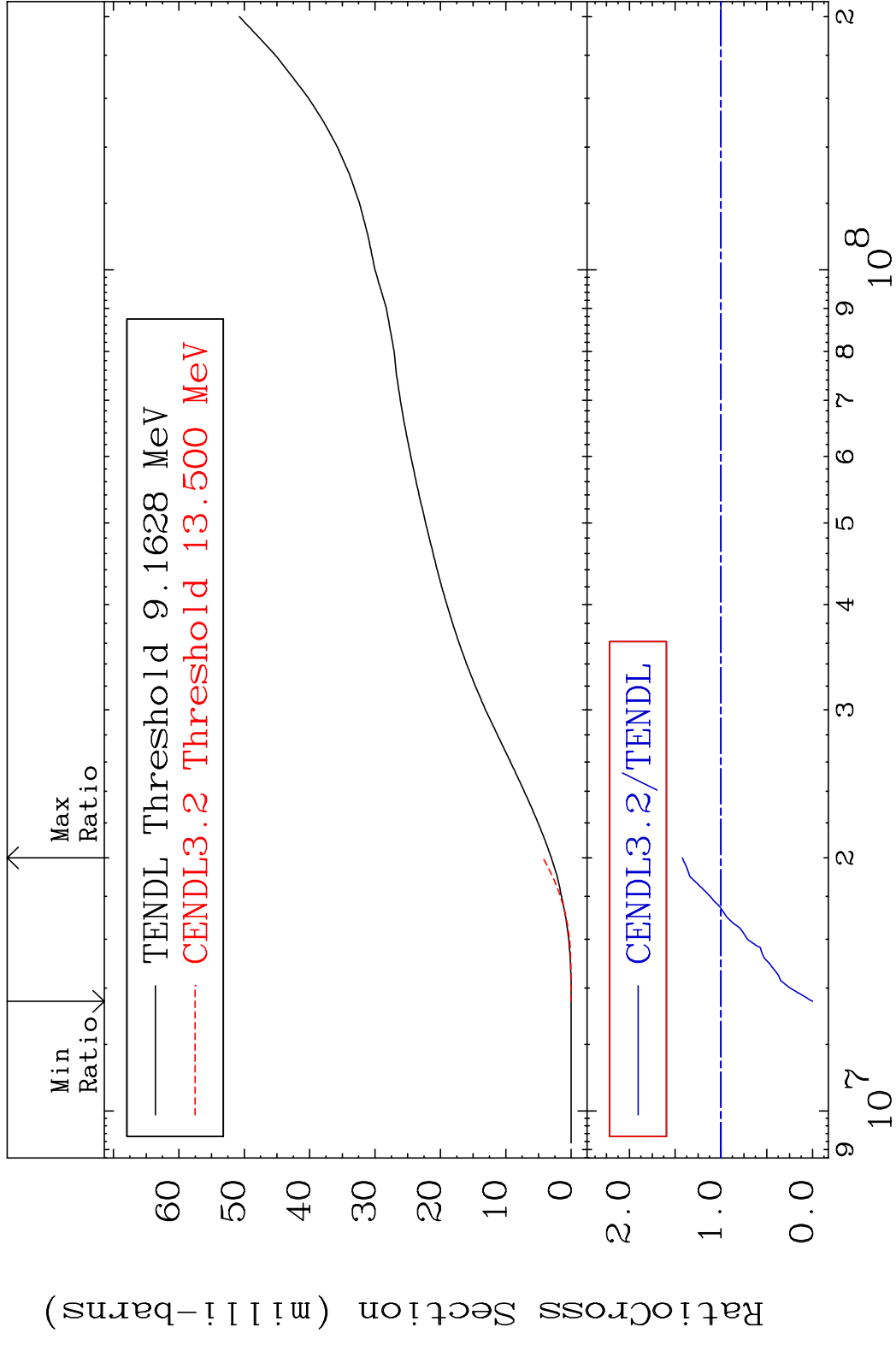
35

Incident Energy (eV)

37-Rb-85

MAT 3725

Tritium Production 37-Rb-85
Cross Section -100.0 To 42.19 %



36

Incident Energy (eV)

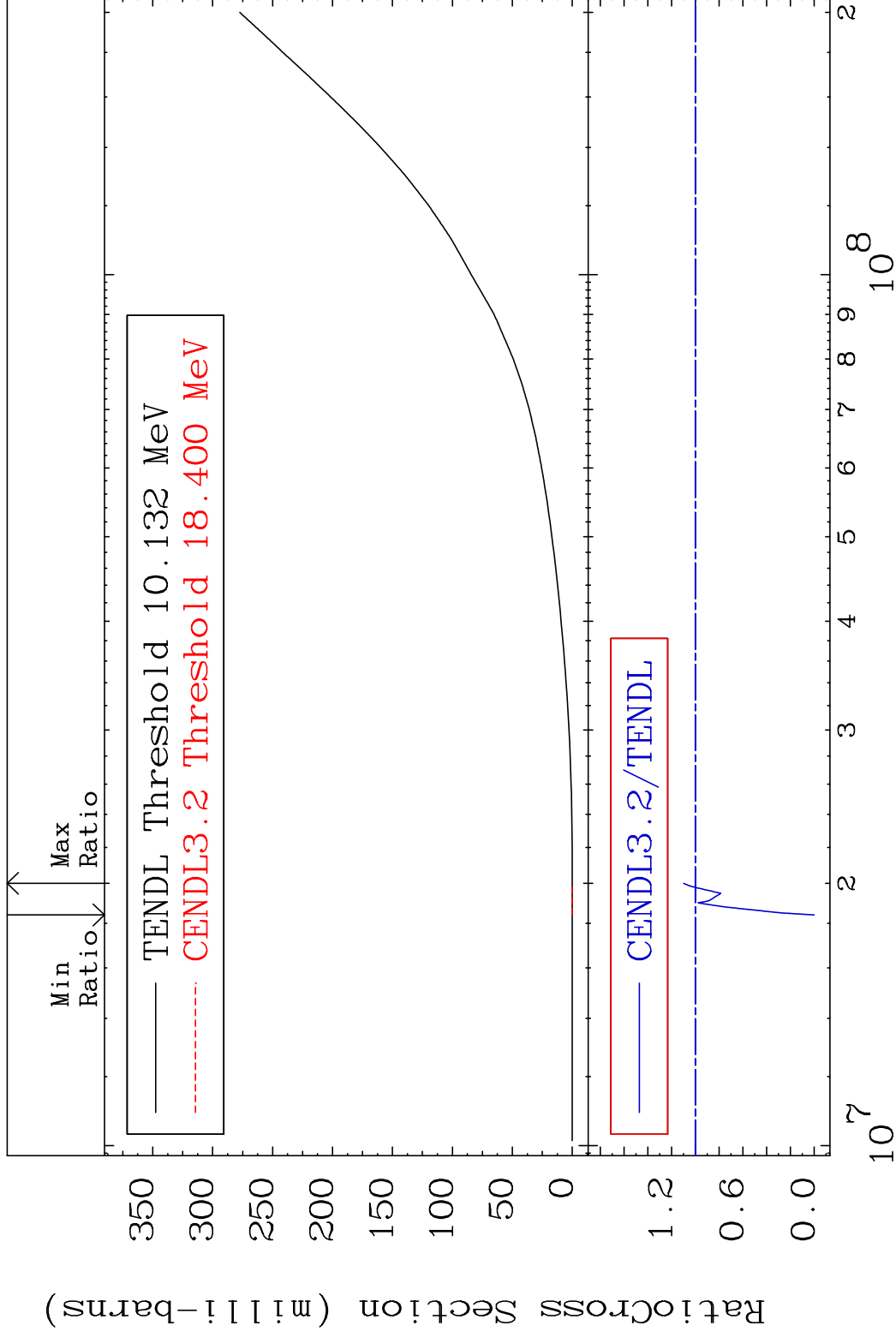
37-Rb-85

MAT 3725

He-3 Production

37-Rb-85

Cross Section -100.0 To 9.826 %



37

Incident Energy (eV)

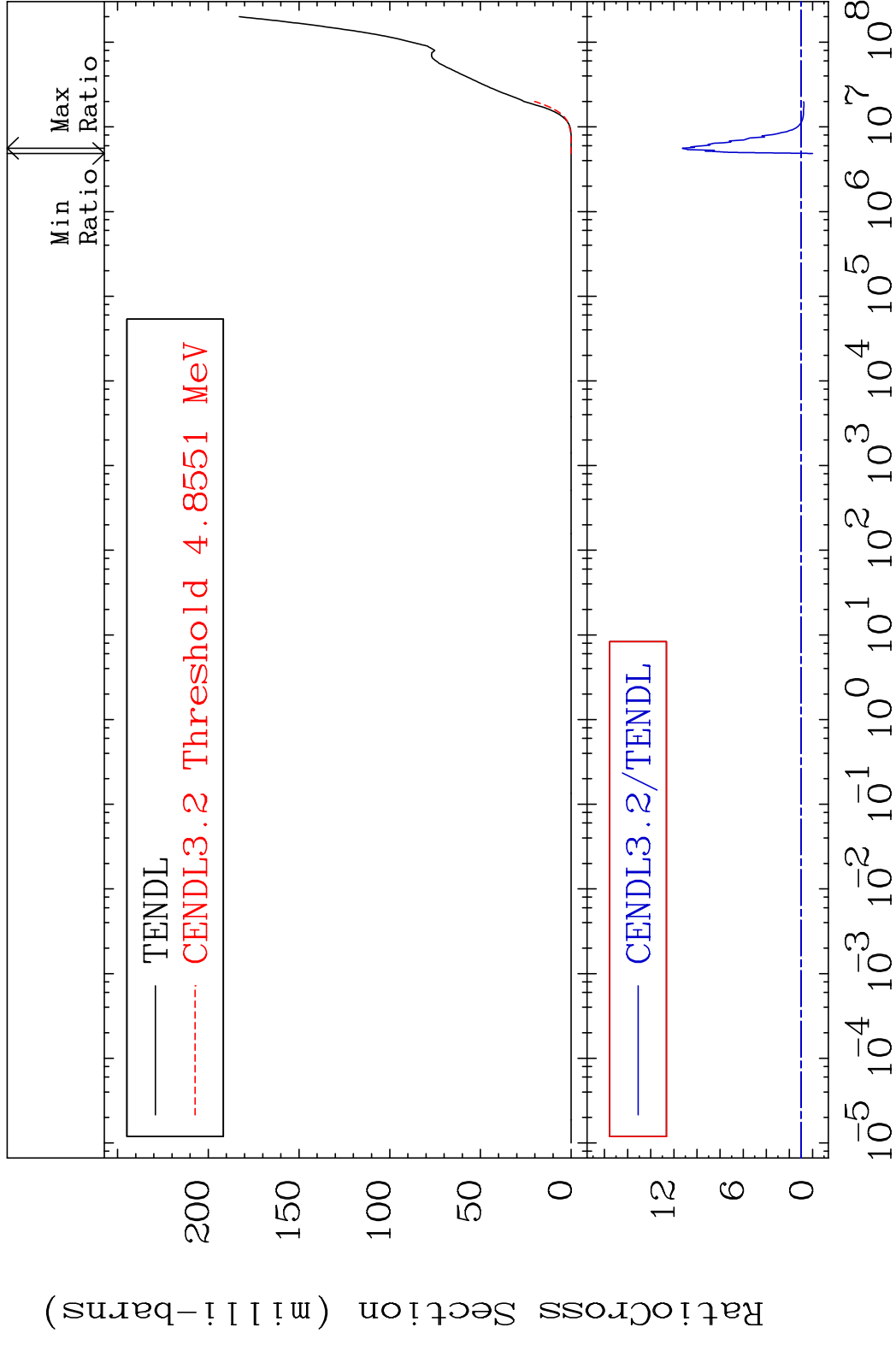
37-Rb-85

MAT 3725

He-4 Production

37-Rb-85

Cross Section -100.0 To 1026. %

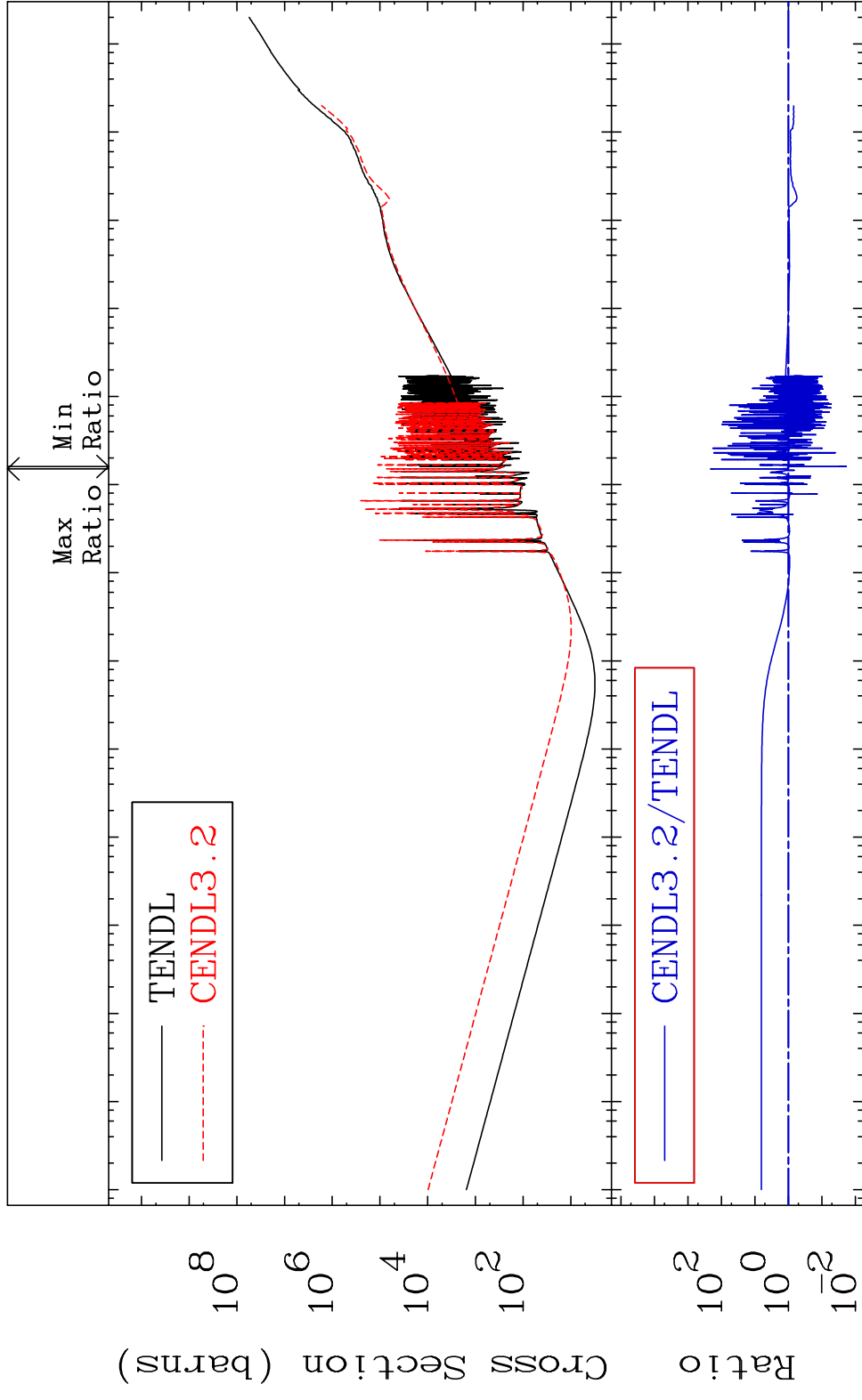


38

Incident Energy (eV)

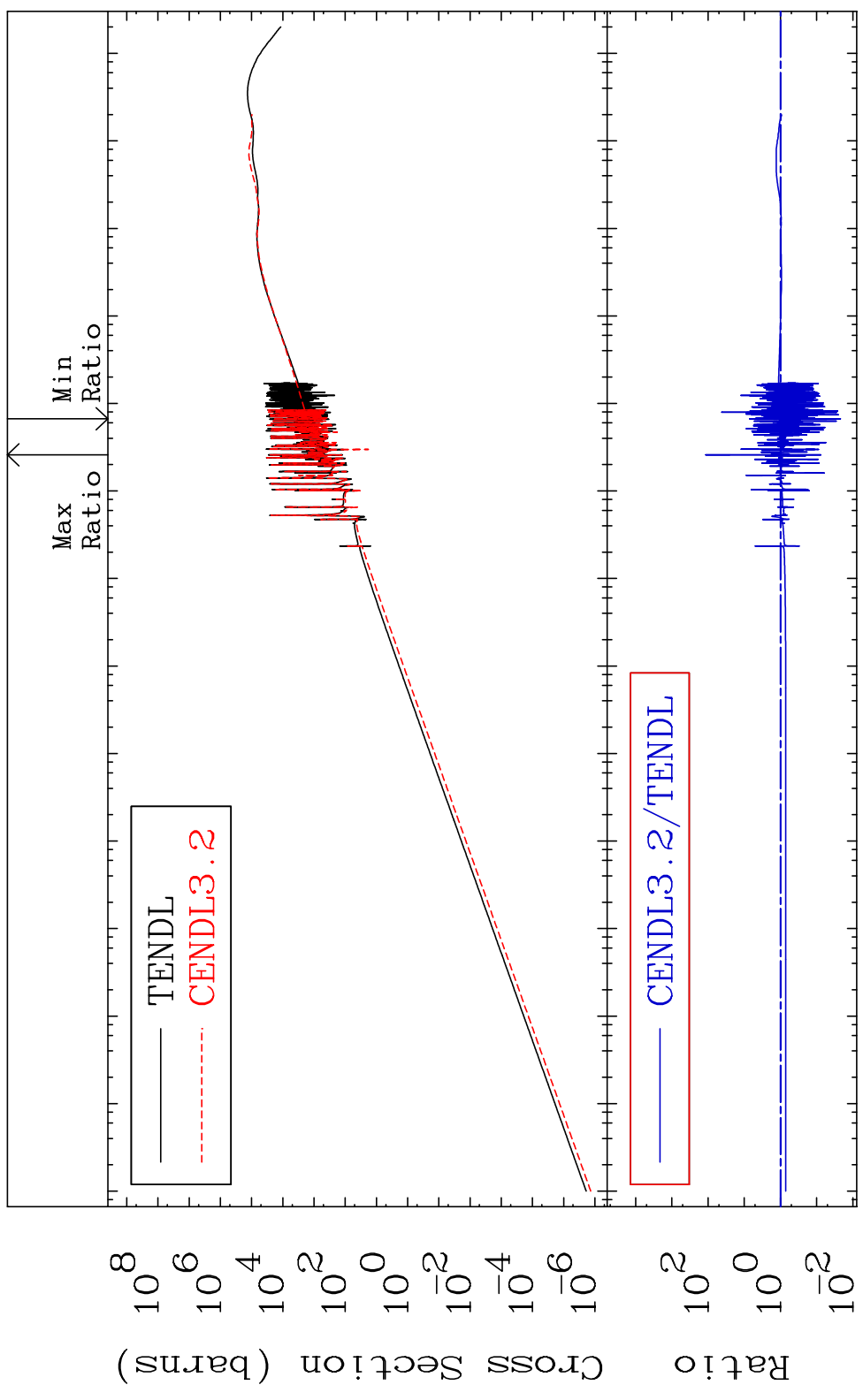
37-Rb-85

MAT 3725 Kerma total (eV-barns) 37-Rb-85
 Cross Section -98.14 To 9999. %



MAT 3725

Kerma elastic Cross Section -97.79 To 9999. %
37-Rb-85

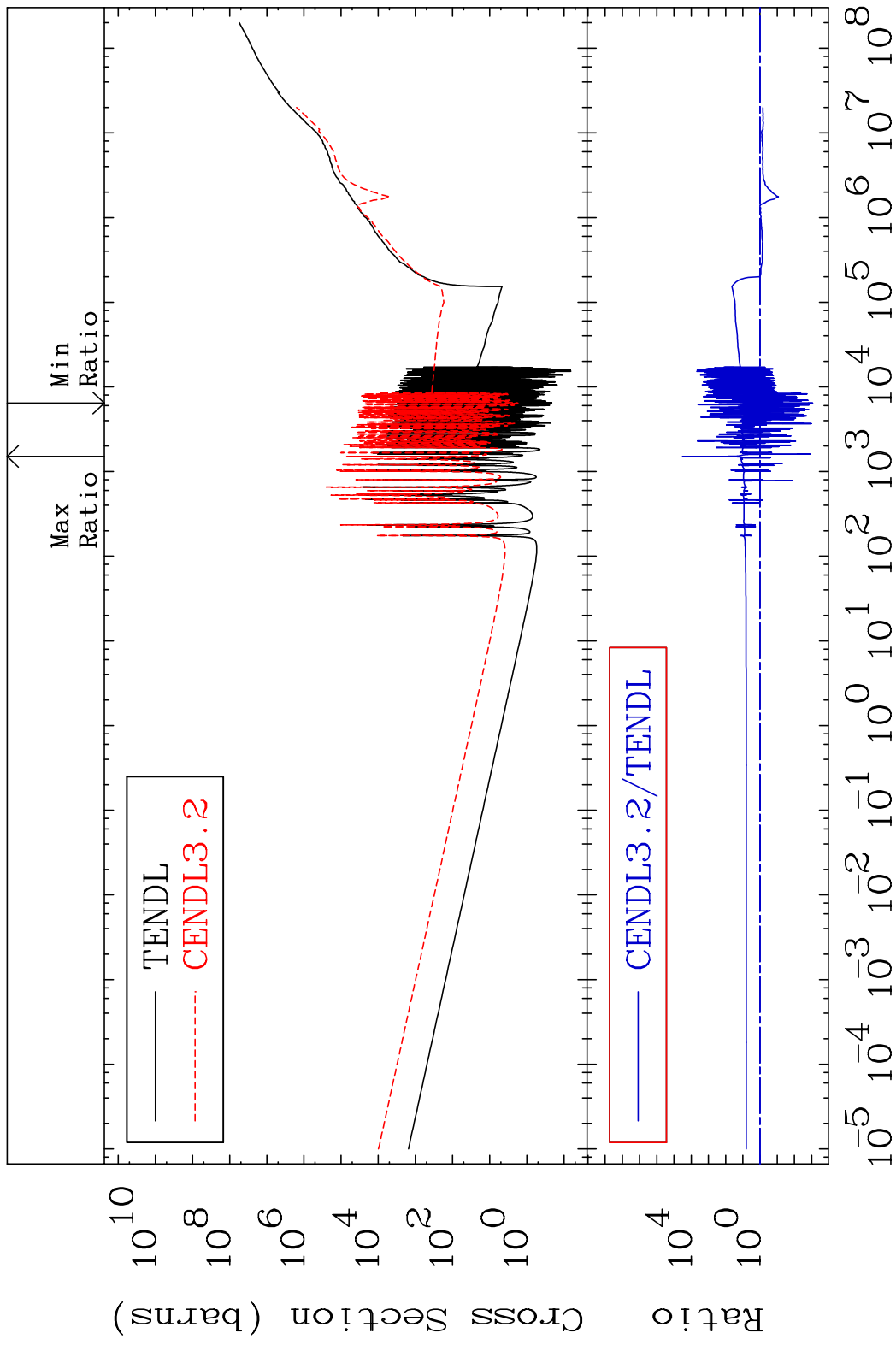


40

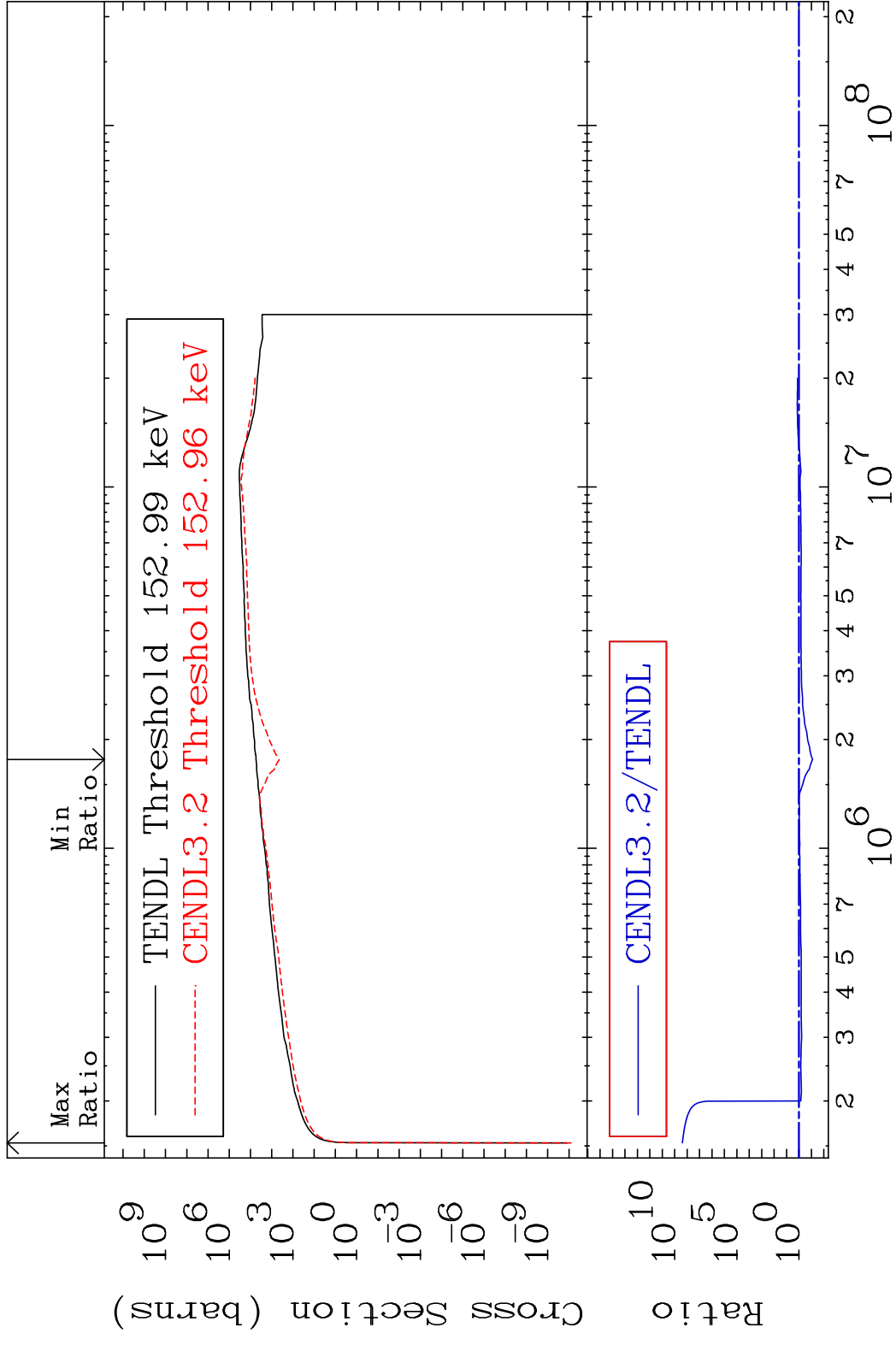
Incident Energy (eV)

37-Rb-85

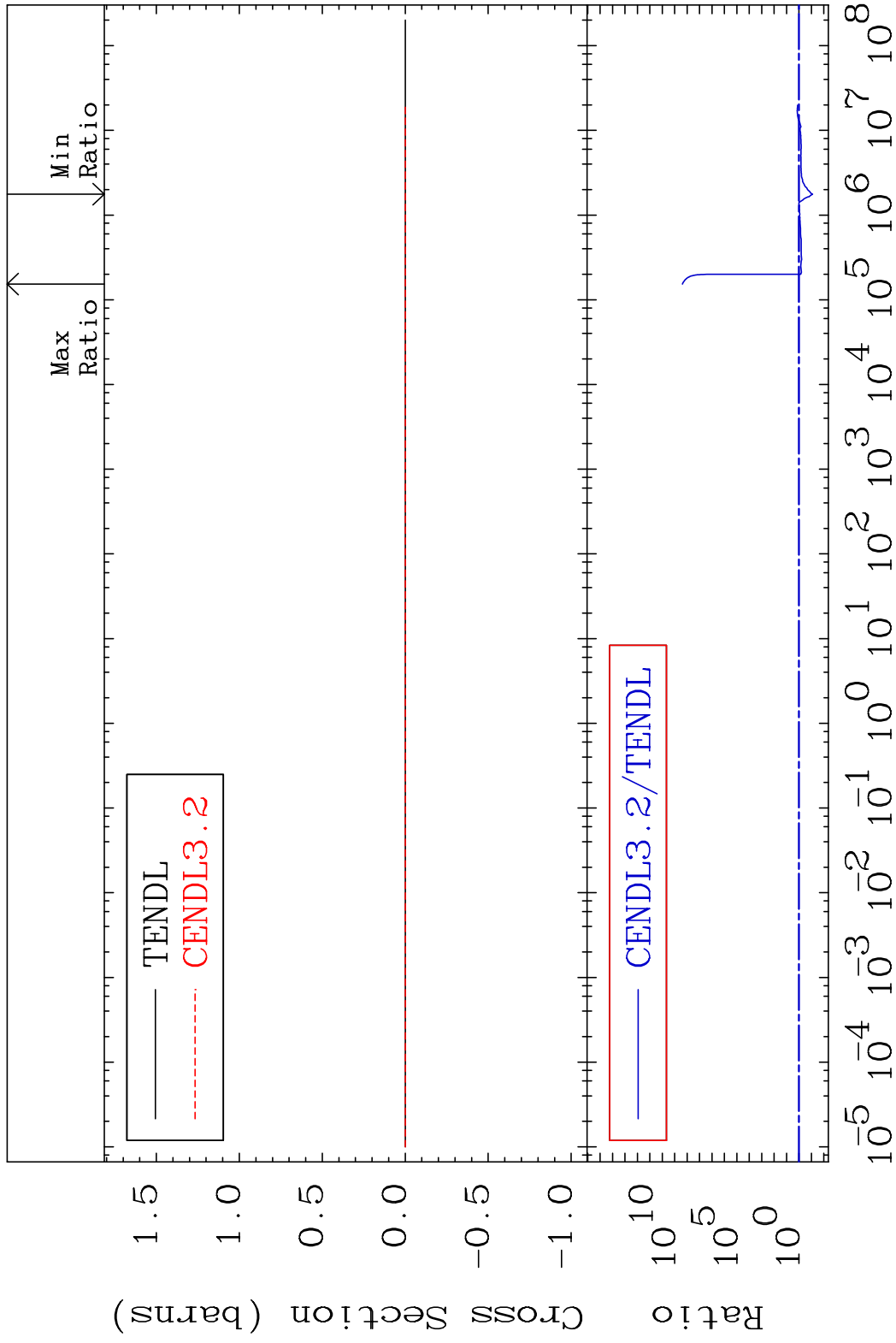
MAT 3725 Kerma non-elastic (all but mt2) 37-Rb-85
 Cross Section -99.91 To 9999. %



MAT 3725 Kerma inelastic (mt51-91) 37-Rb-85
 Cross Section -91.93 To 9999. %



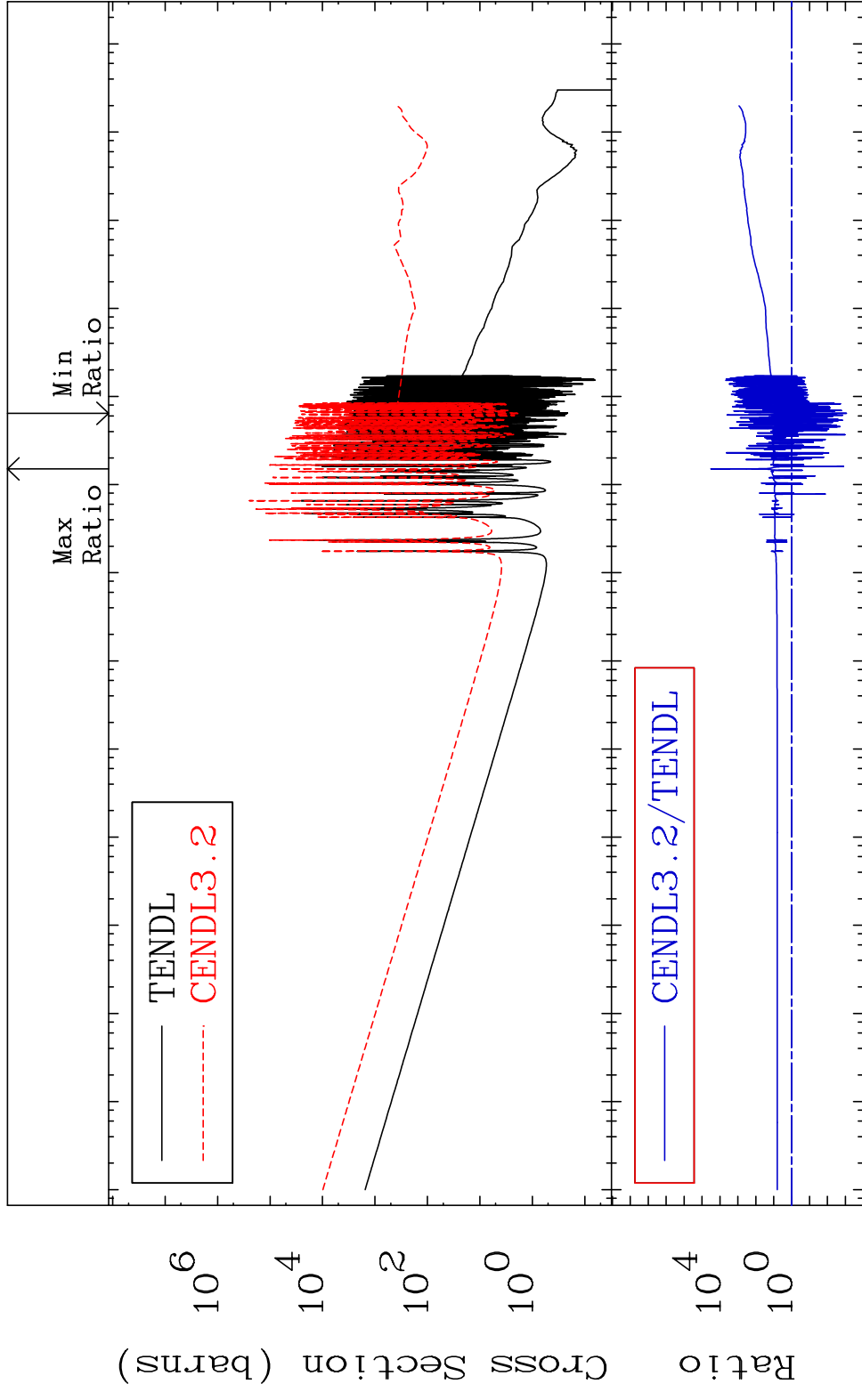
MAT 3725 Kerma fission (mt18 or mt19-20-21-38) 37-Rb-85
 Cross Section -91.93 To 9999. %



MAT 3725

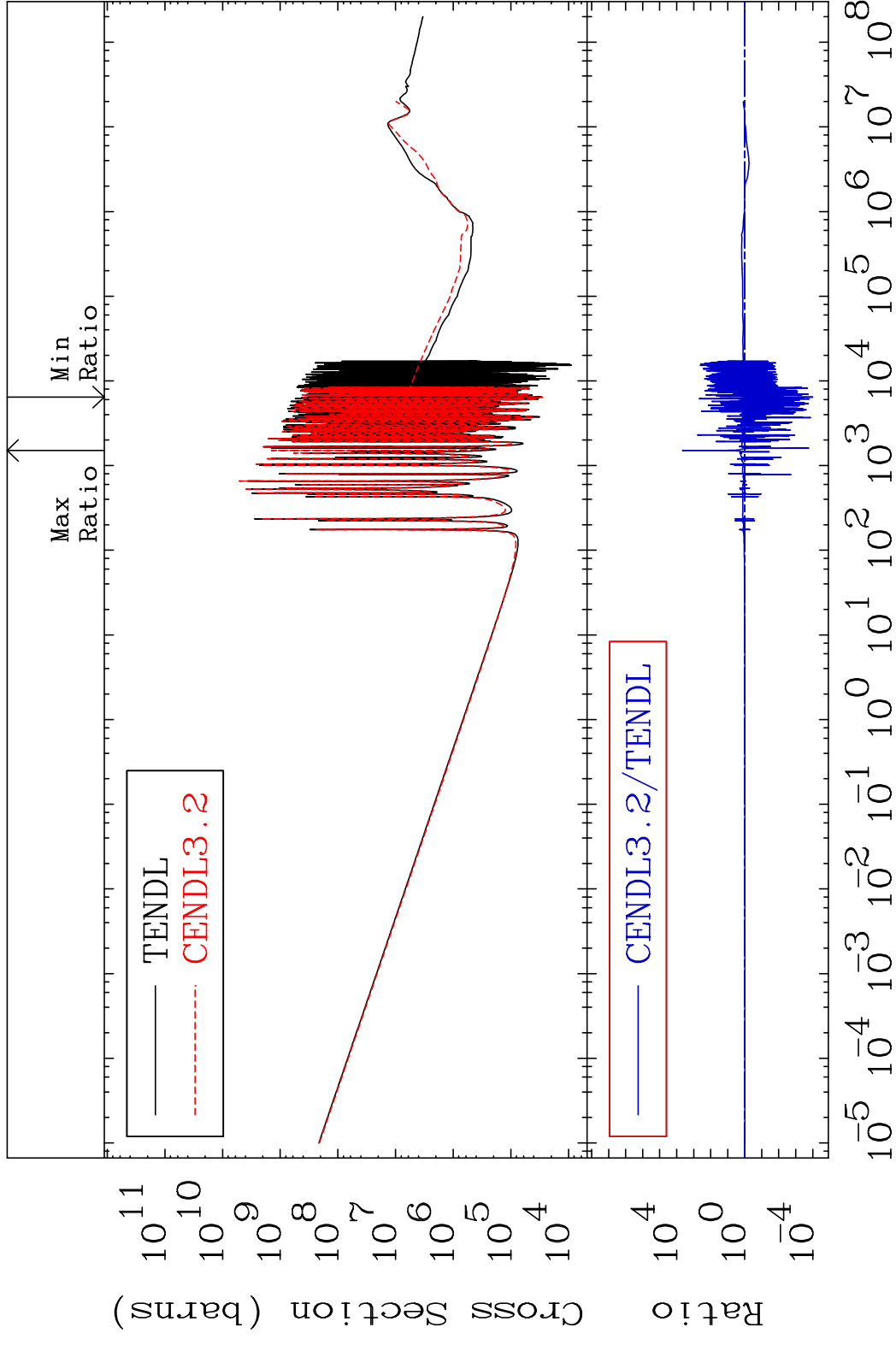
Kerma capture (mt102) 37-Rb-85

Cross Section -99.91 To 9999. %



MAT 3725

Total photon (eV-barns) 37-Rb-85
Cross Section -99.99 To 9999. %

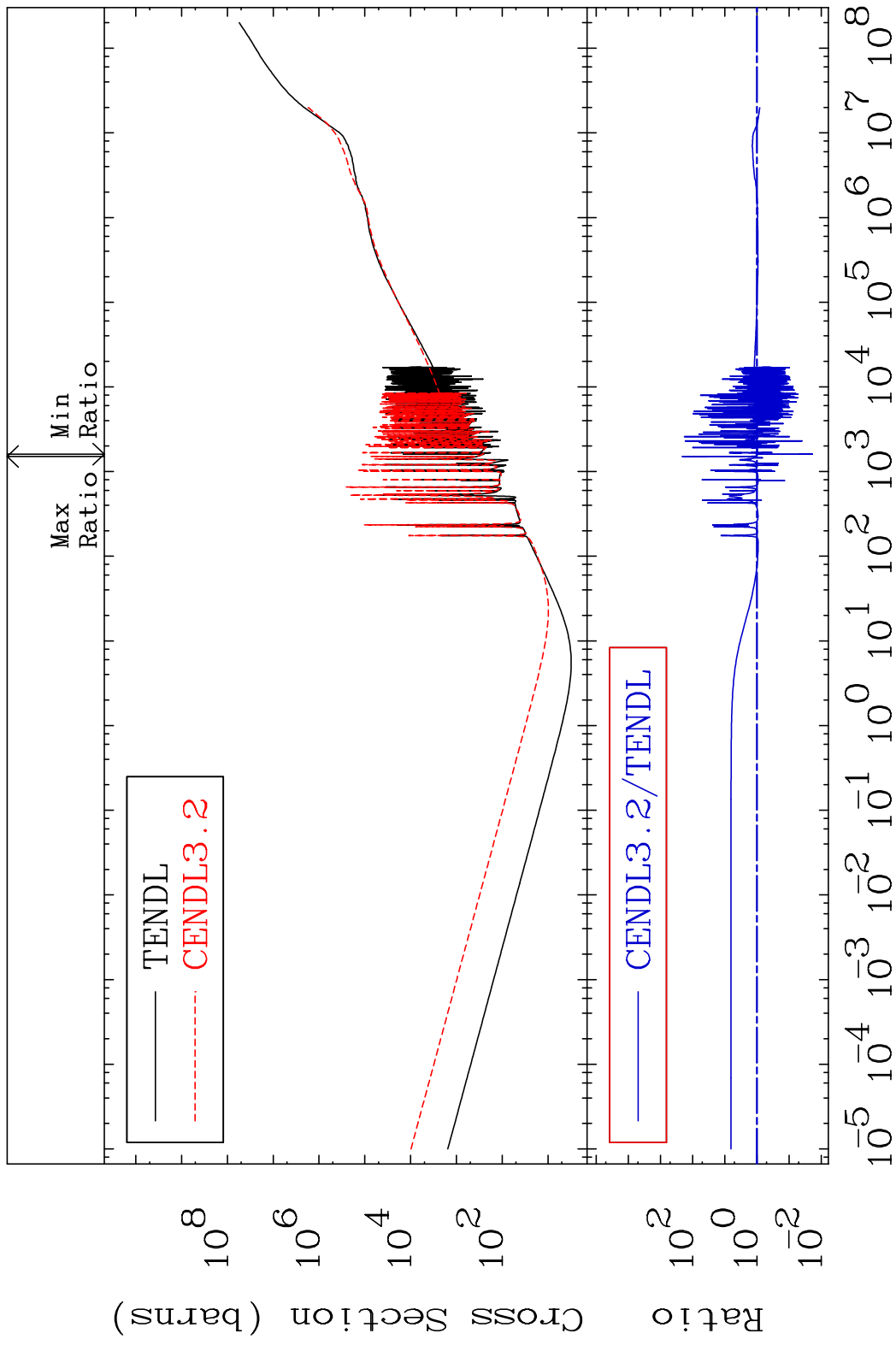


45

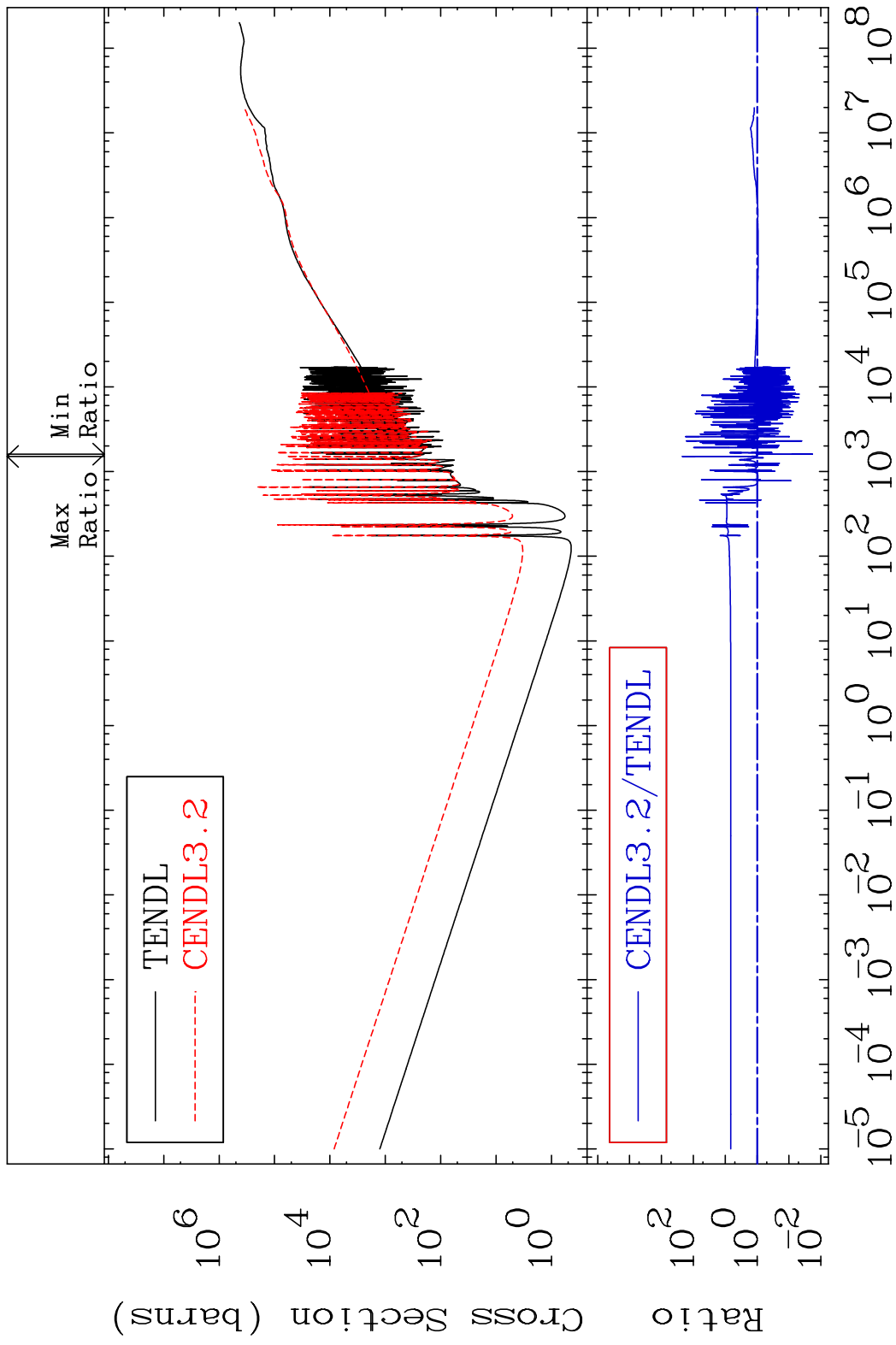
Incident Energy (eV)

37-Rb-85

MAT 3725 Total kinematic kerma (high limit) 37-Rb-85
 Cross Section -98.14 To 9999. %



MAT 3725 Dpa total (eV-barns) 37-Rb-85
 Cross Section -98.18 To 9999. %



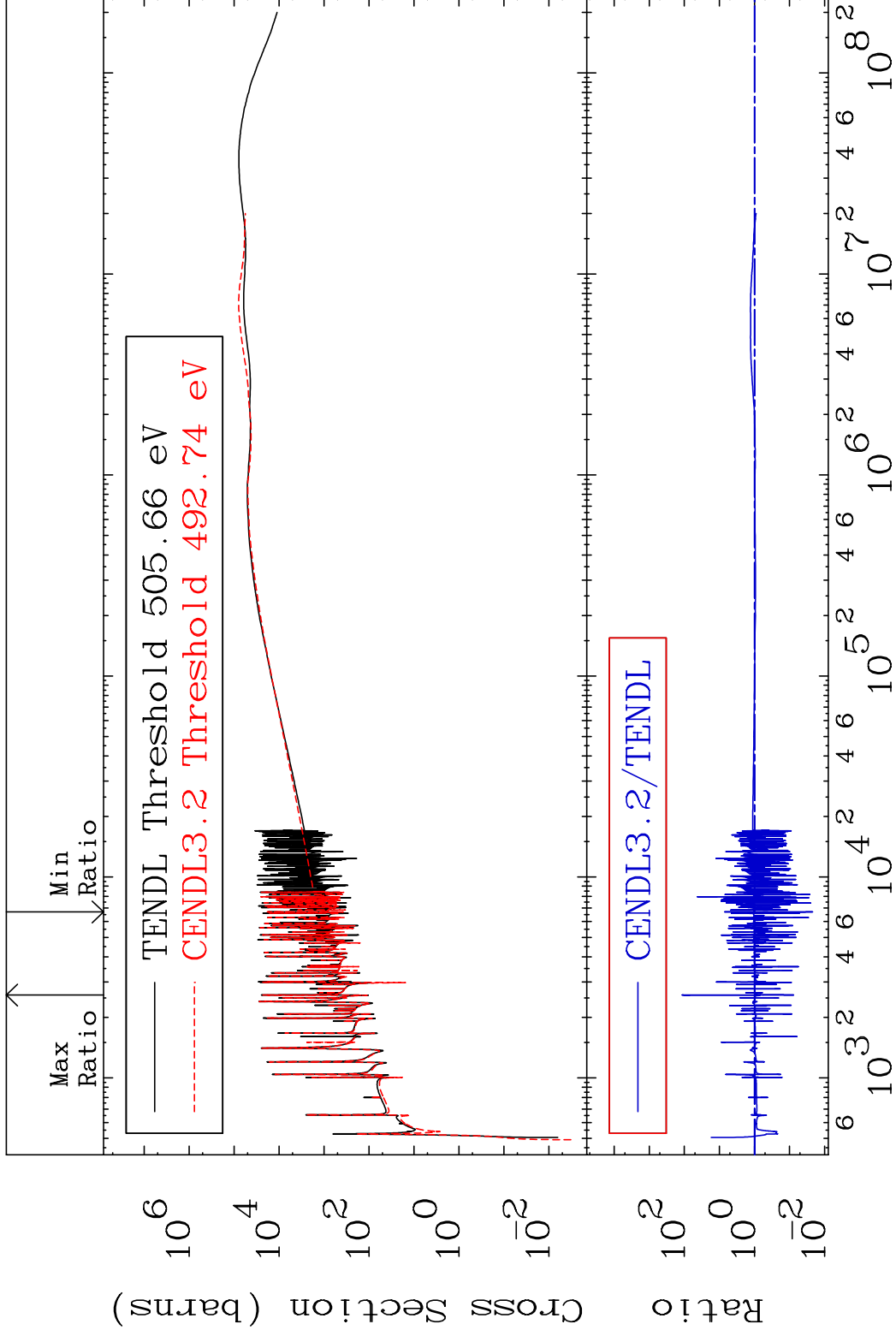
47 Incident Energy (eV) 37-Rb-85

MAT 3725

Dpa elastic (mt2)

37-Rb-85

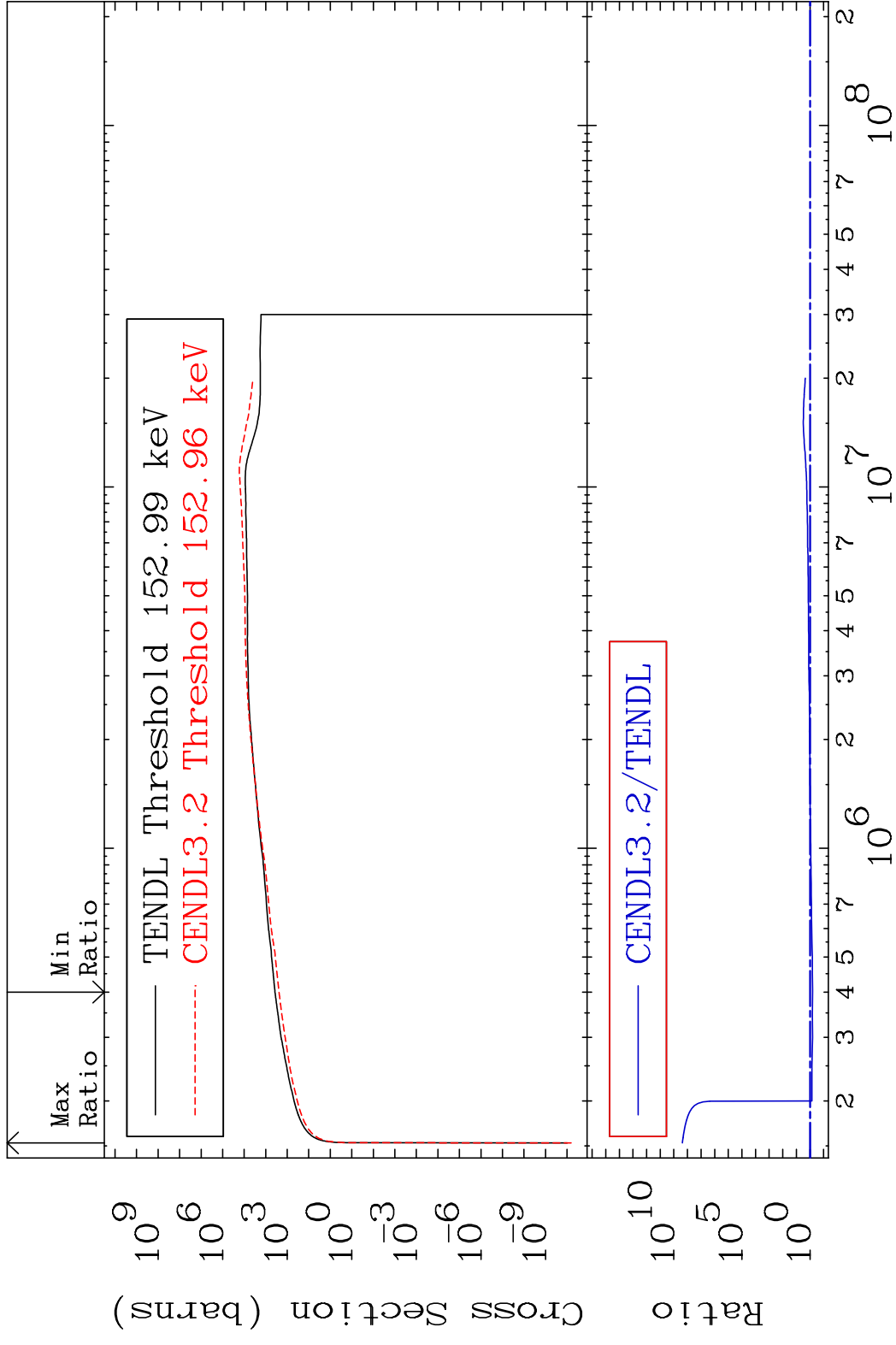
Cross Section -97.79 To 9999. %



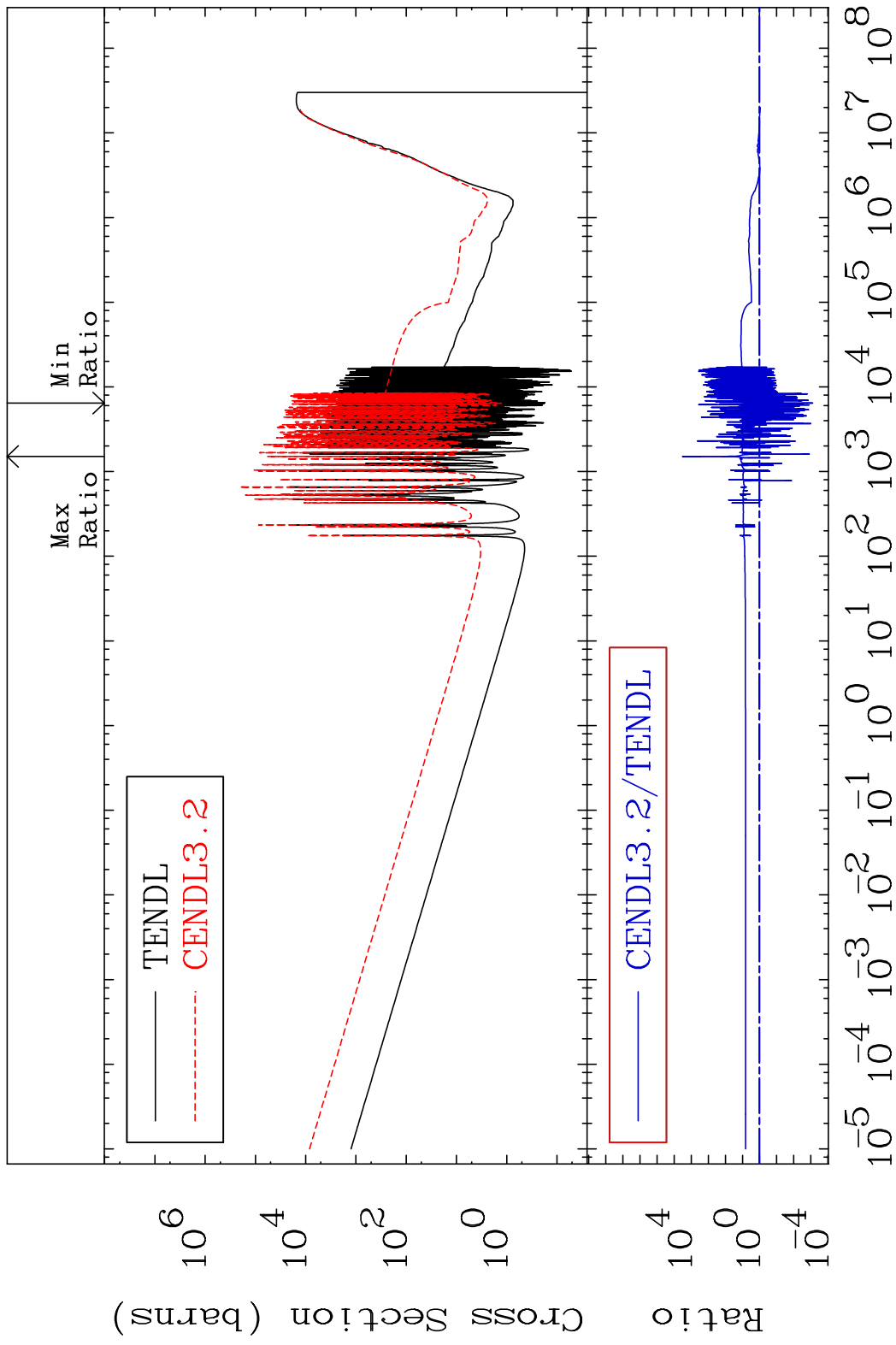
48

Incident Energy (eV)

37-Rb-85



MAT 3725 Dpa disappearance (mt102 -120) 37-Rb-85
 Cross Section -99.92 To 9999. %



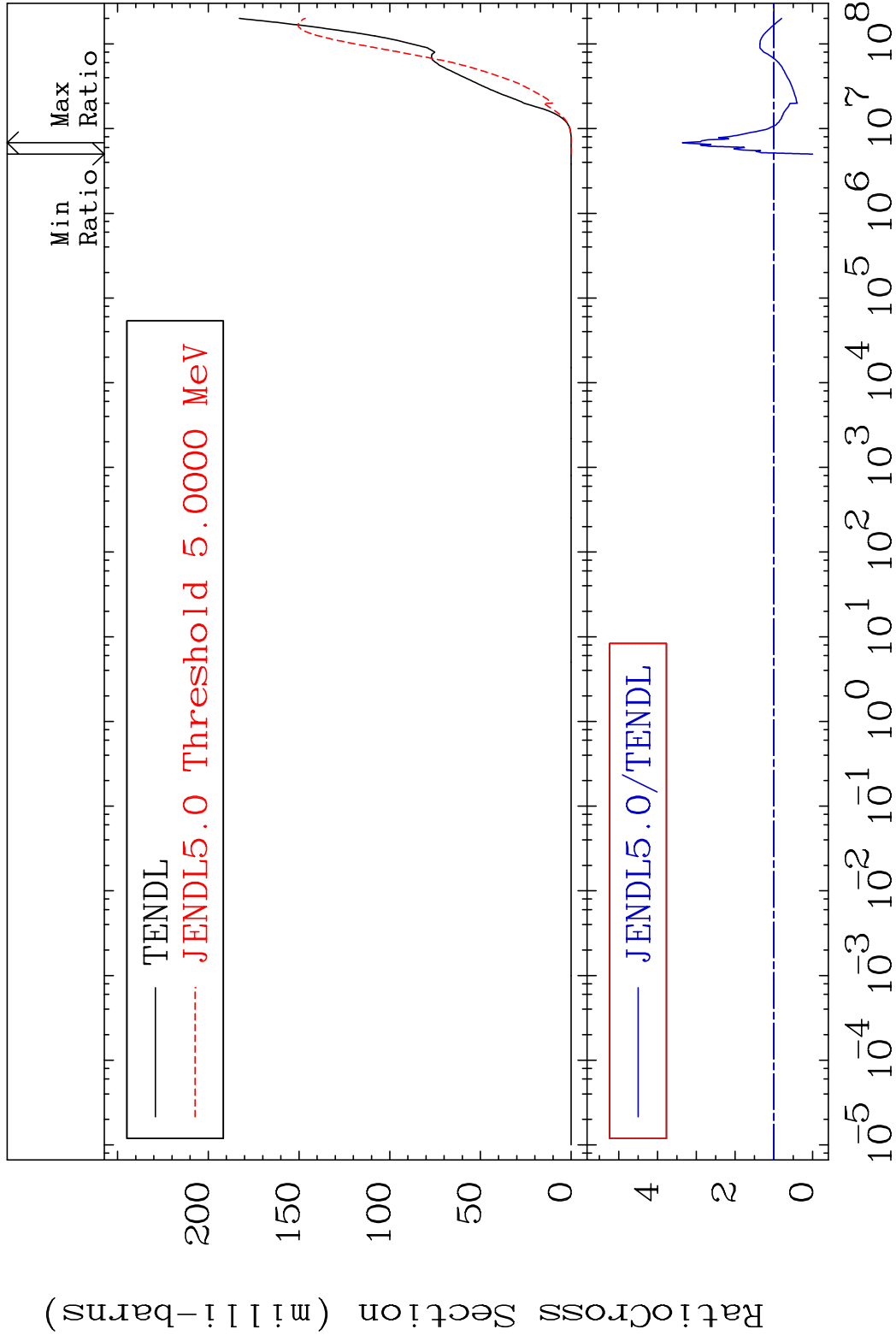
50 Incident Energy (eV) 37-Rb-85

MAT 3725

He-4 Production

37-Rb-85

Cross Section -100.0 To 235.7 %

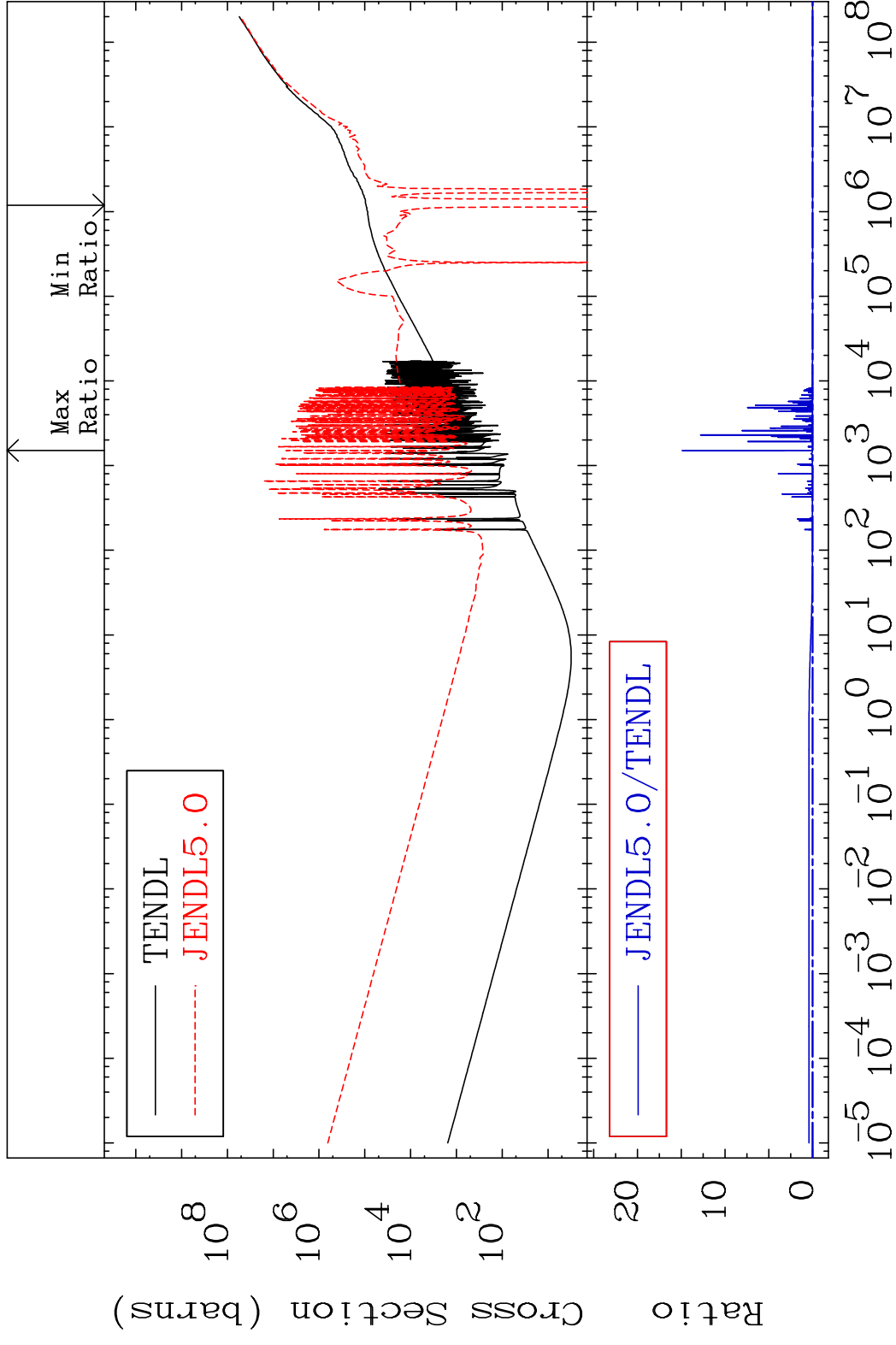


51

Incident Energy (eV)

37-Rb-85

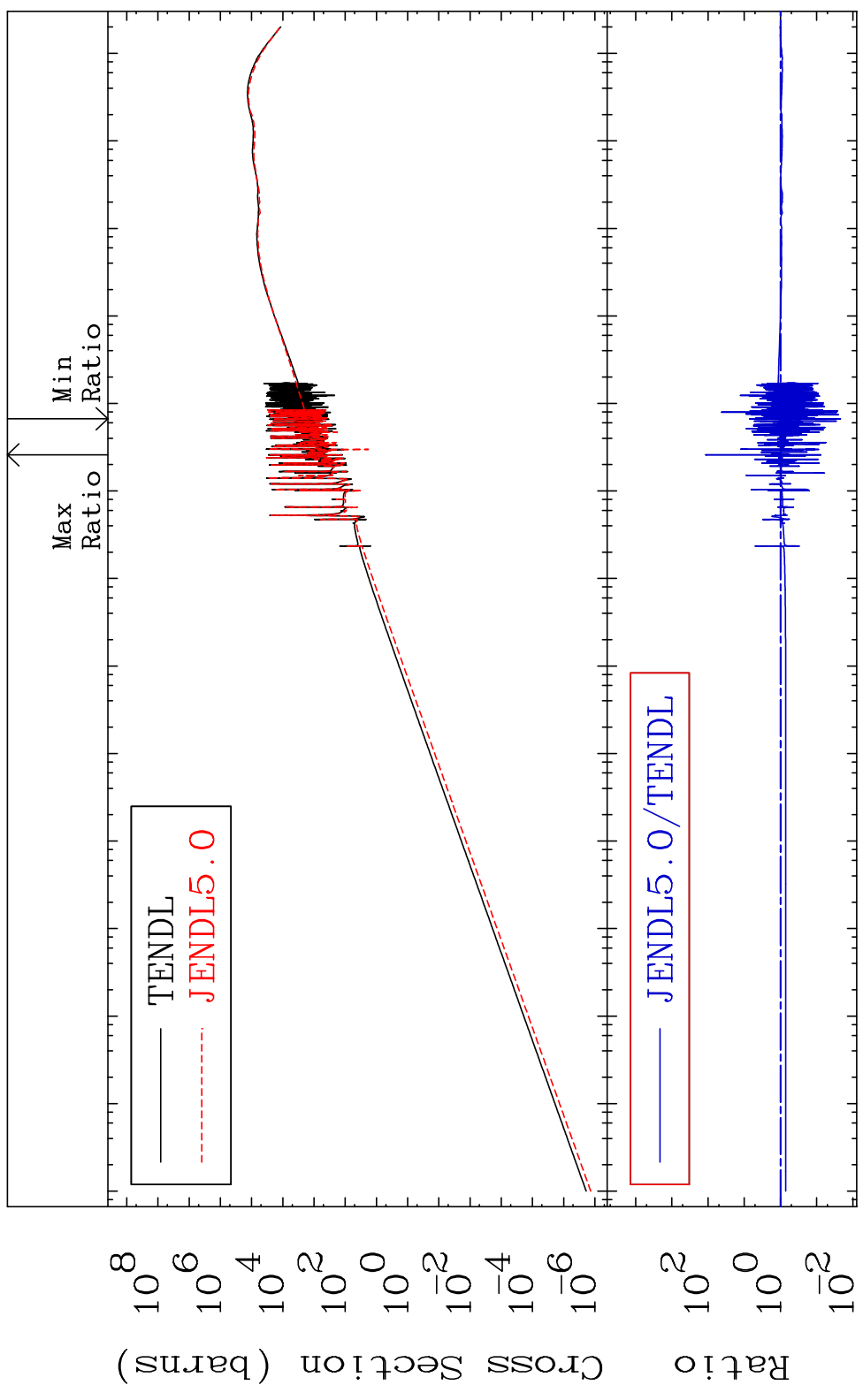
MAT 3725 Kerma total (eV-barns) 37-Rb-85
 Cross Section -108.8 To 9999. %



52 Incident Energy (eV) 37-Rb-85

MAT 3725

Kerma elastic Cross Section -97.79 To 9999. %
37-Rb-85

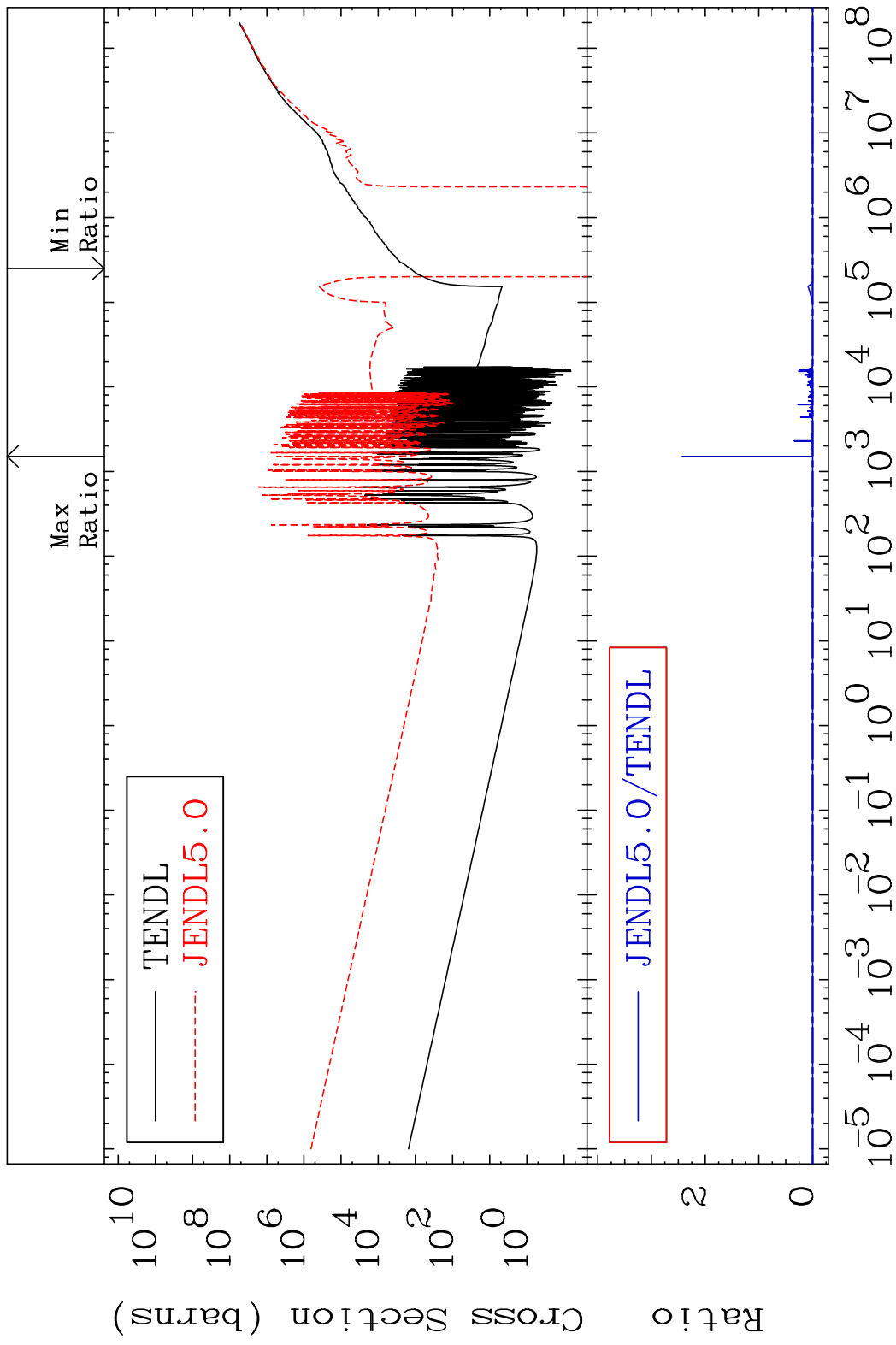


53

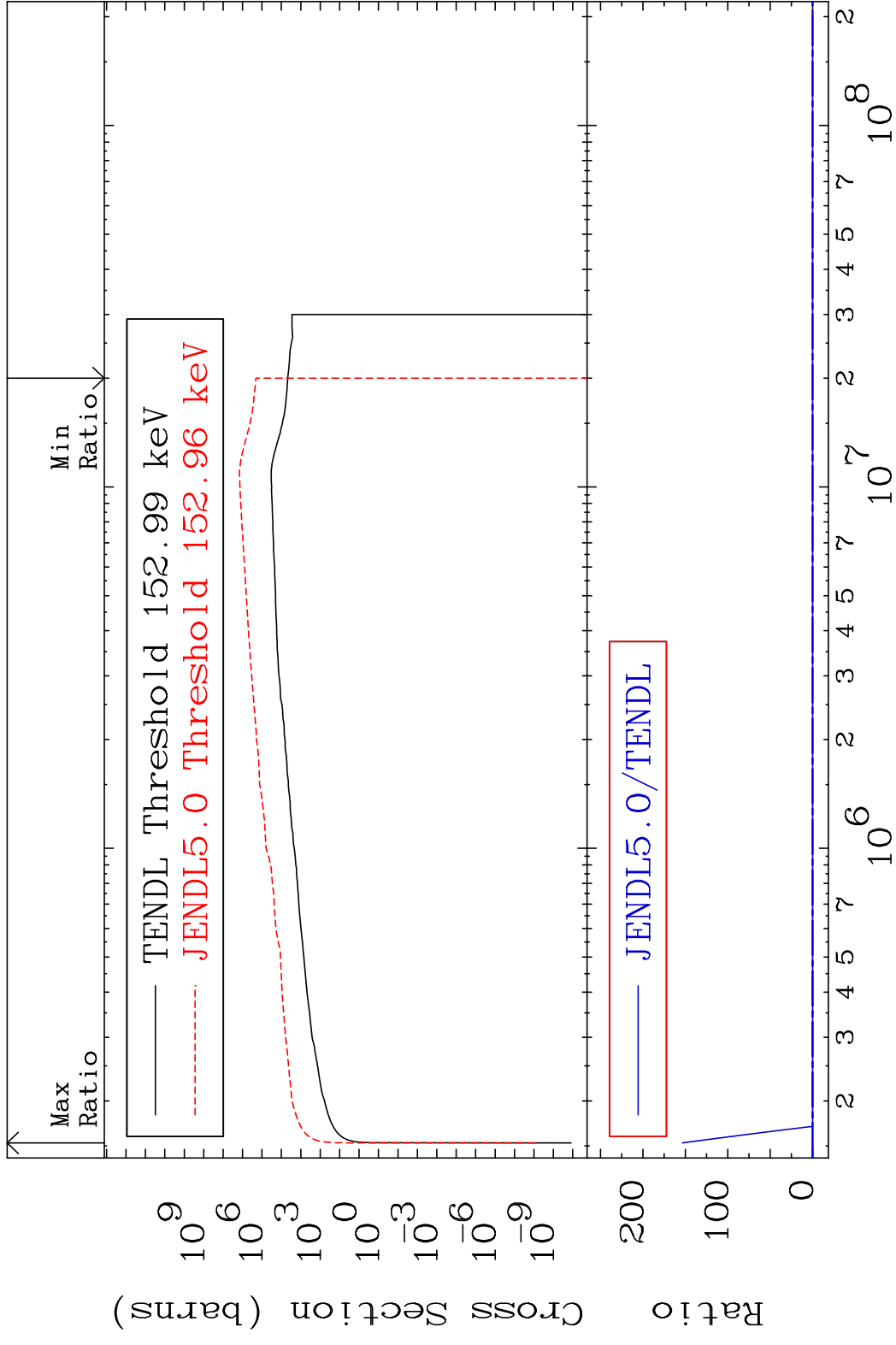
Incident Energy (eV)

37-Rb-85

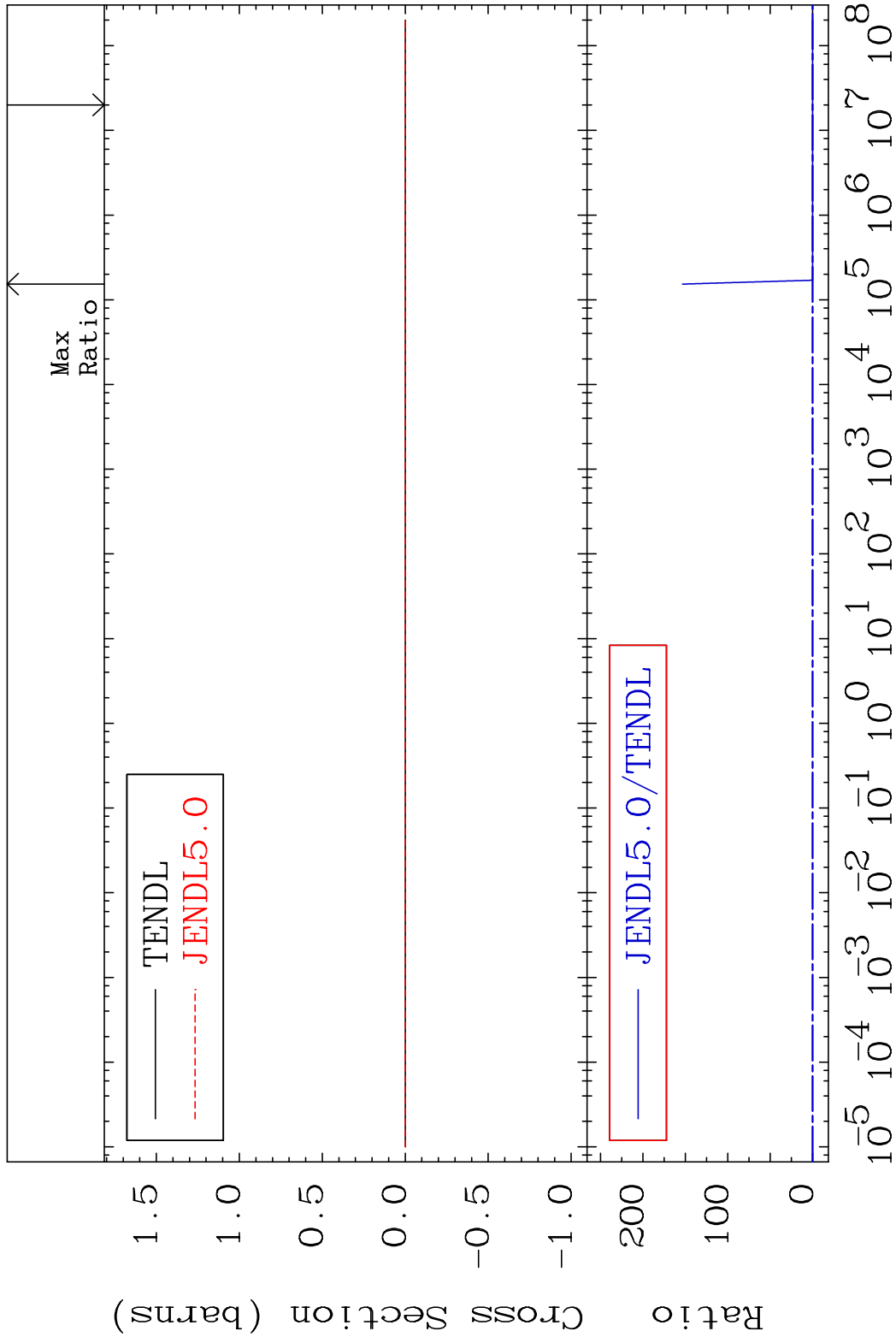
MAT 3725 Kerma non-elastic (all but mt2) 37-Rb-85
 Cross Section -3063. To 9999. %



MAT 3725 Kerma inelastic (mt51-91) 37-Rb-85
 Cross Section -100.0 To 9999. %

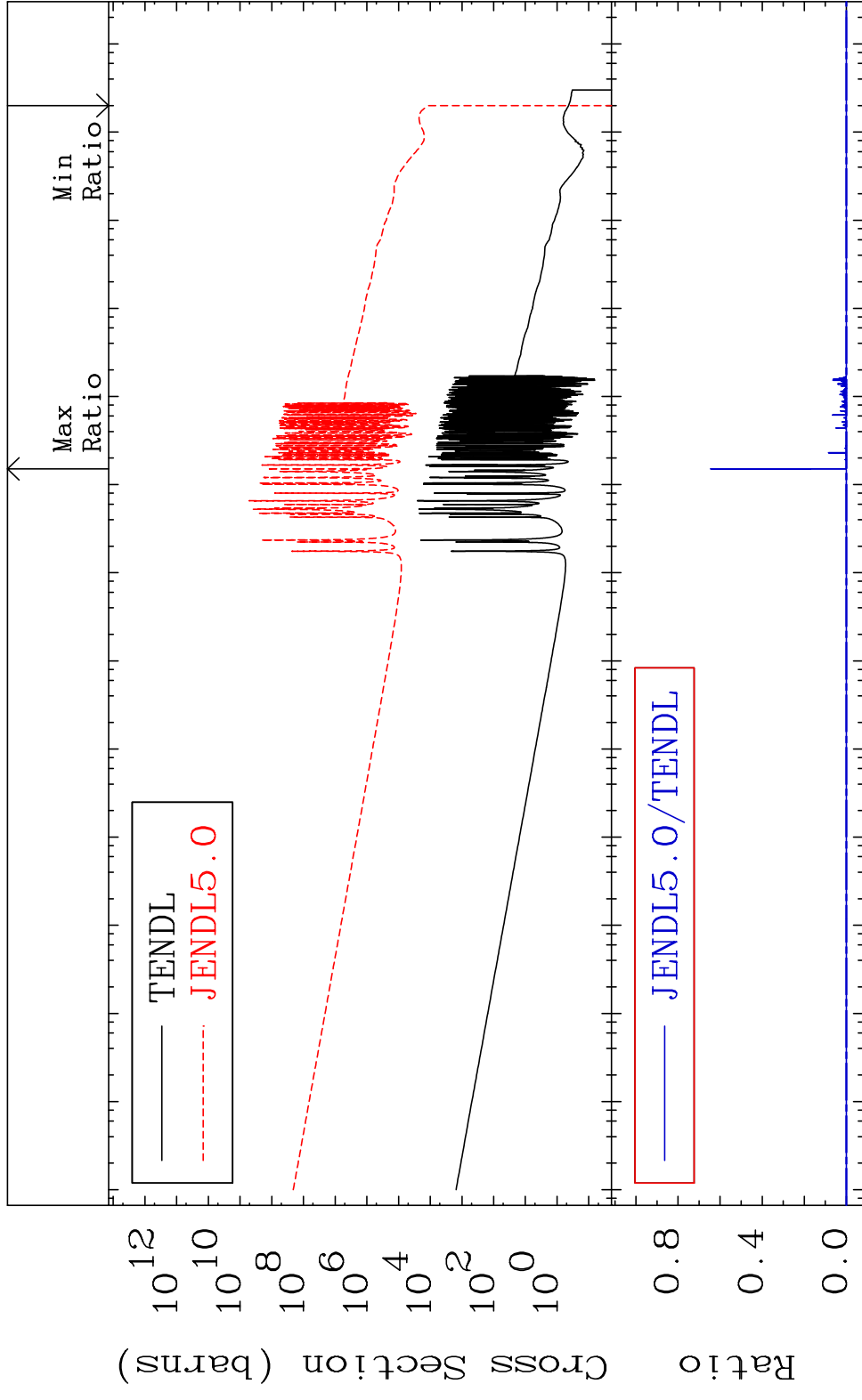


MAT 3725 Kerma fission (mt18 or mt19-20-21-38) 37-Rb-85
 Cross Section -100.0 To 9999. %



MAT 3725

Kerma capture (mt102) 37-Rb-85
Cross Section -100.0 To 9999. %

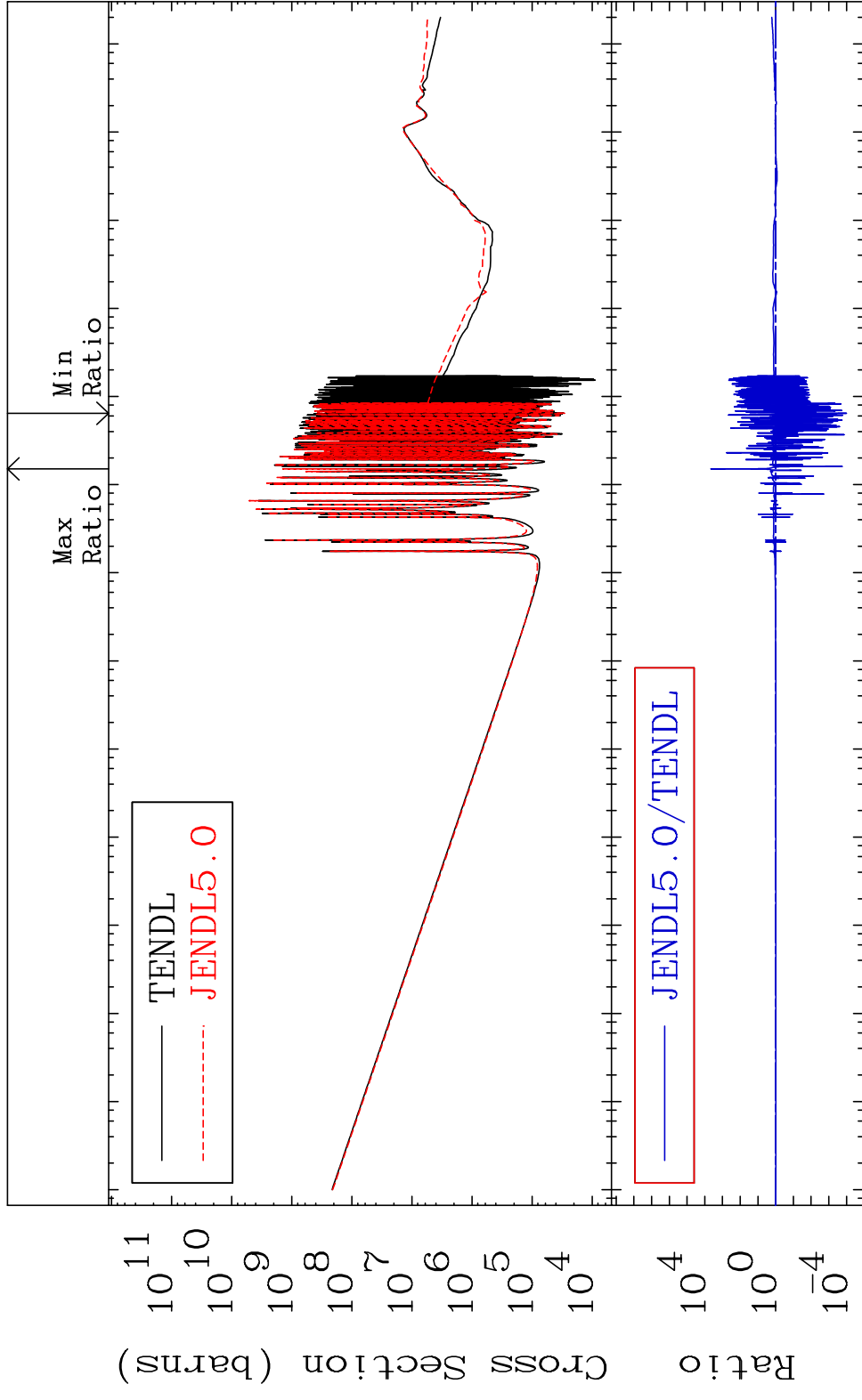


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Incident Energy (eV)

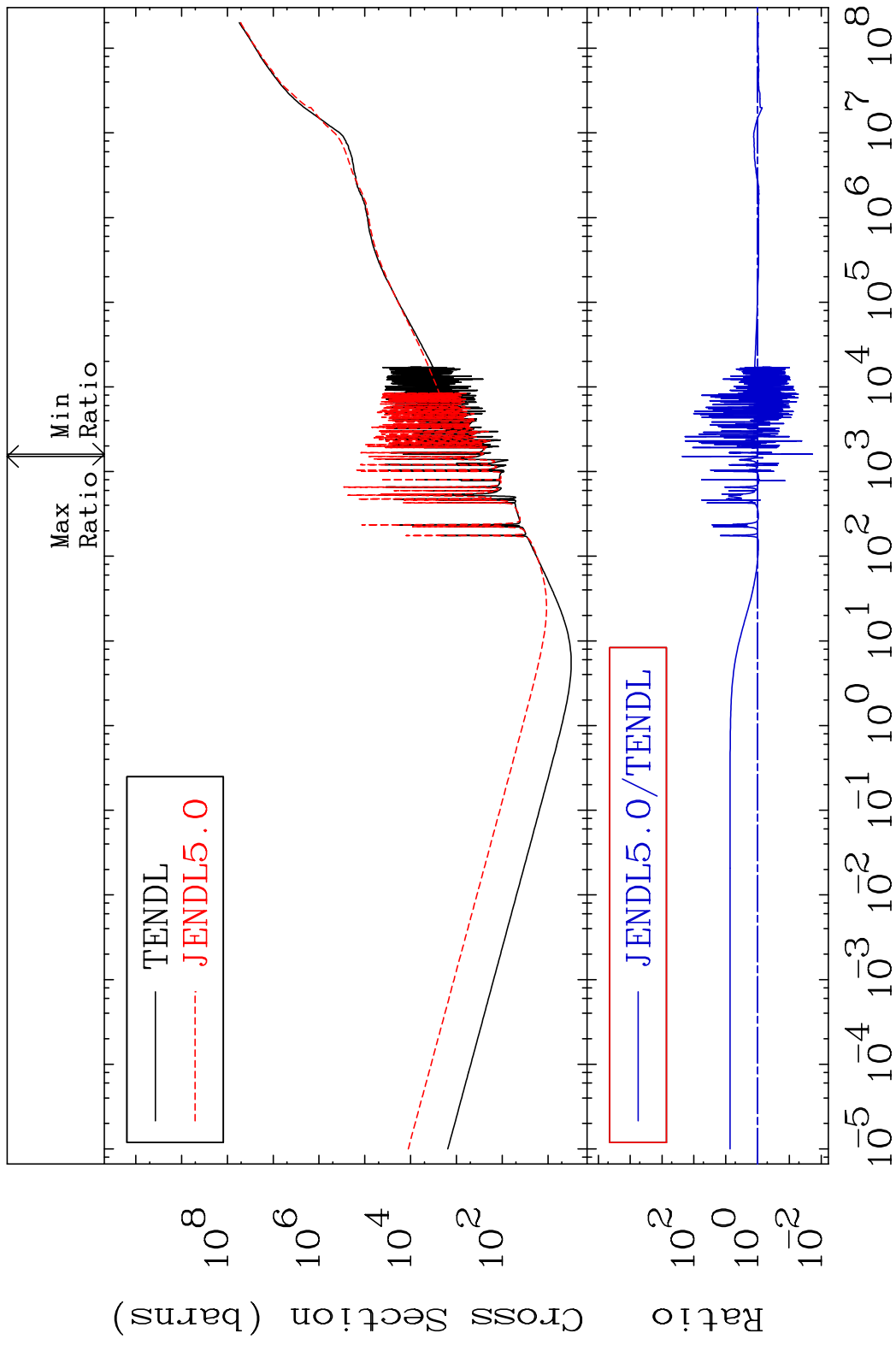
37-Rb-85

MAT 3725 Total photon (eV-barns) 37-Rb-85
 Cross Section -99.99 To 9999. %

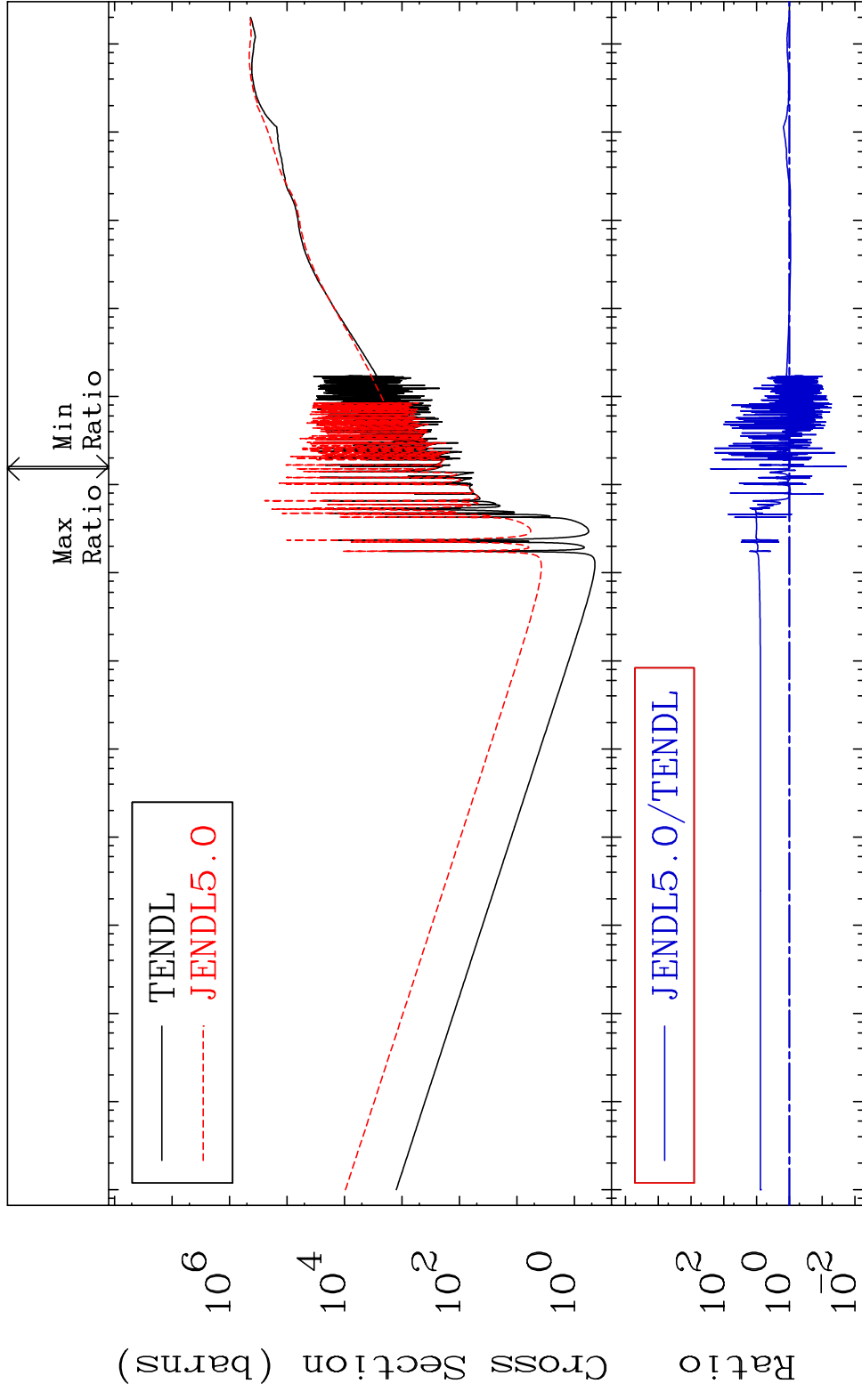


58 Incident Energy (eV) 37-Rb-85

MAT 3725 Total kinematic kerma (high limit) 37-Rb-85
 Cross Section -98.13 To 9999. %



MAT 3725 Dpa total (eV-barns) 37-Rb-85
 Cross Section -98.16 To 9999. %



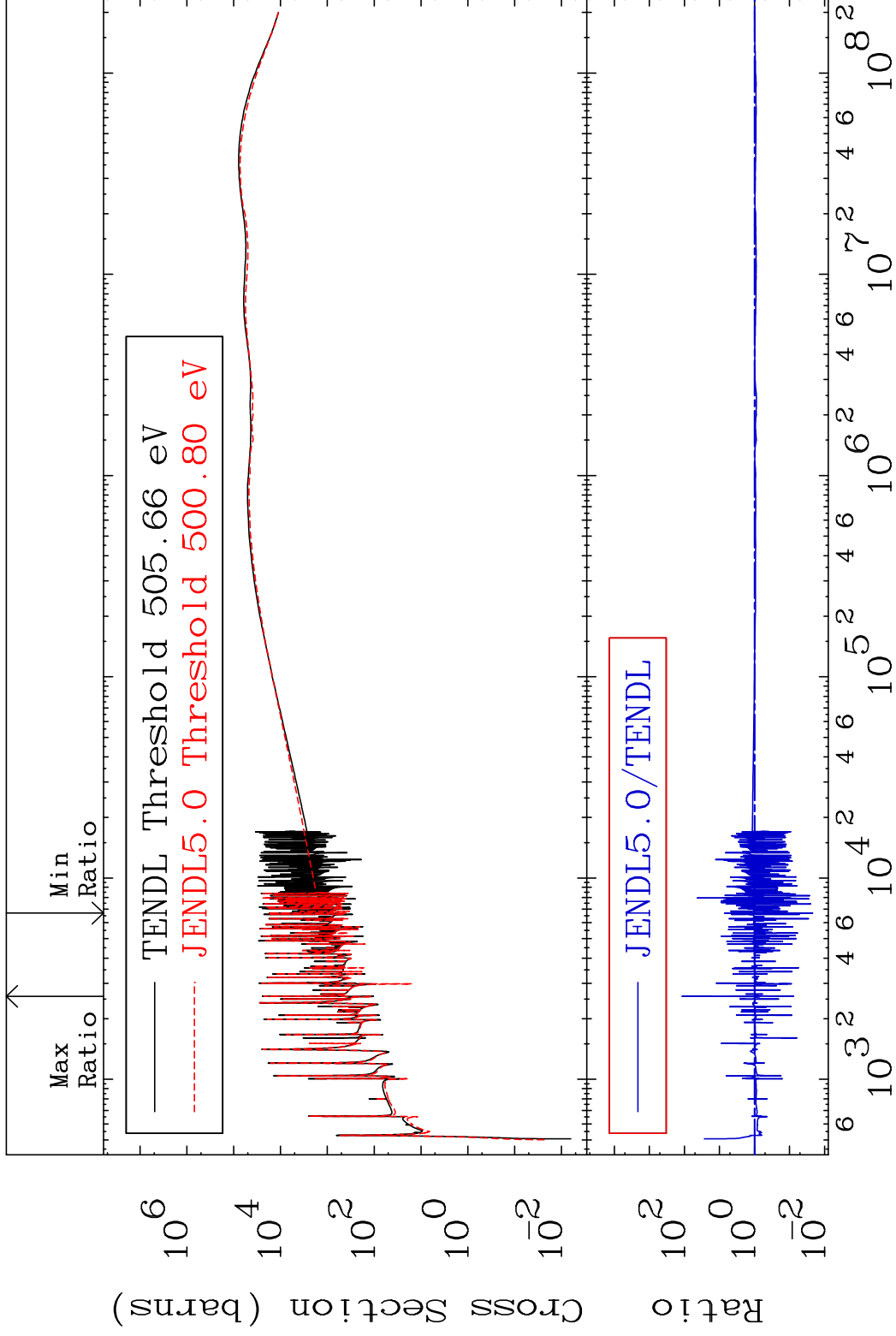
60 Incident Energy (eV) 37-Rb-85

MAT 3725

Dpa elastic (mt2)

37-Rb-85

Cross Section -97.79 To 9999. %

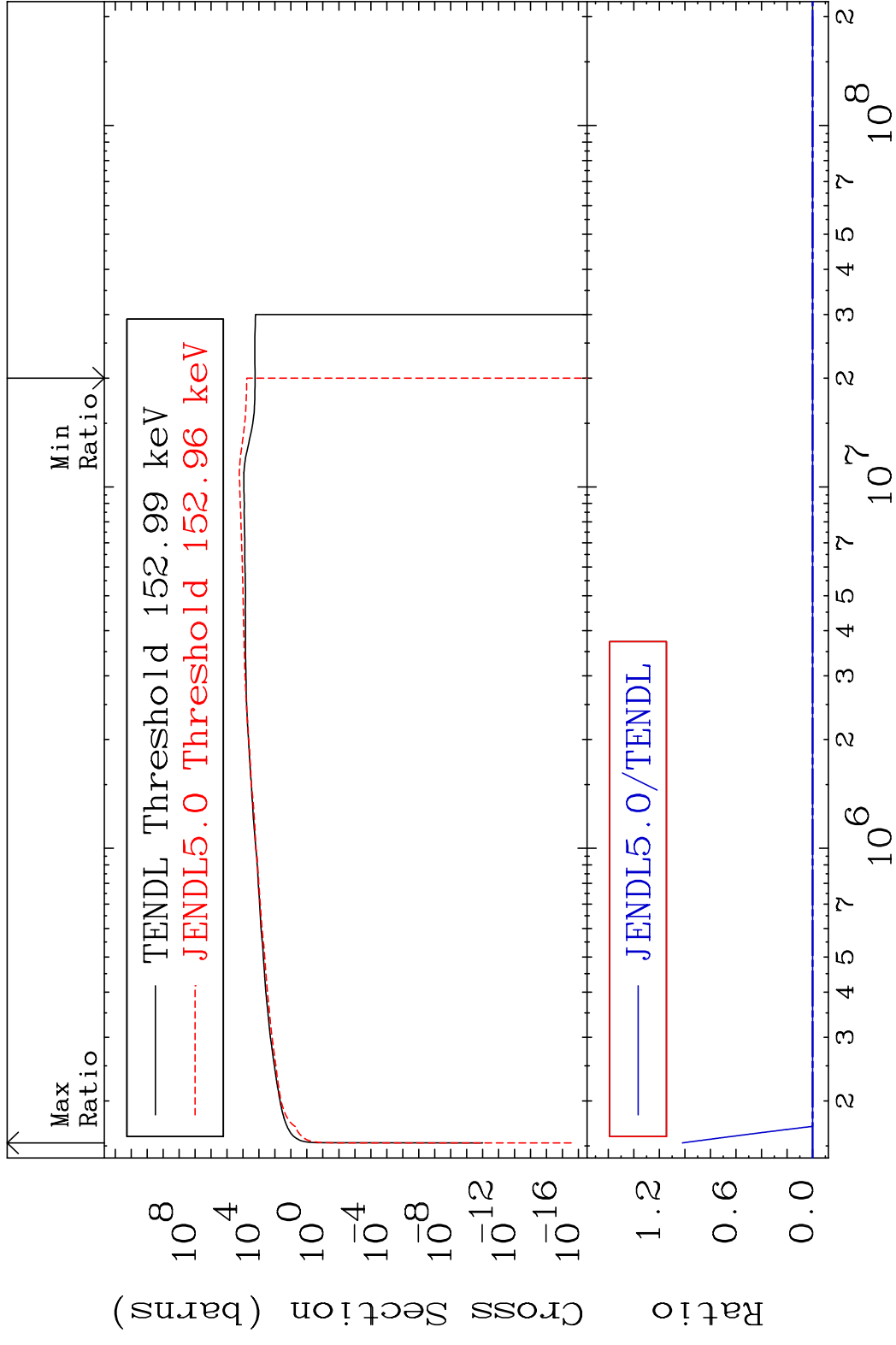


61

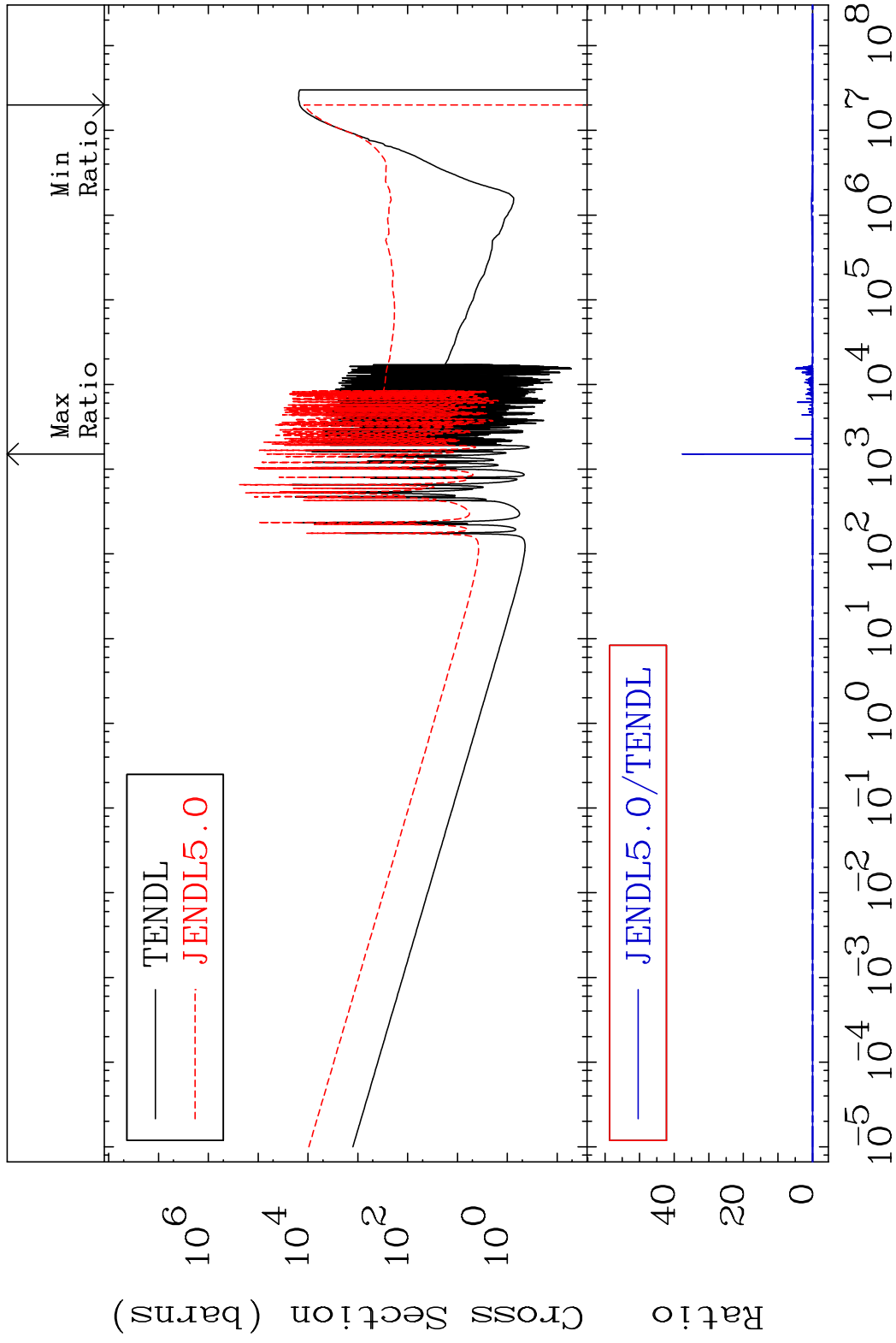
Incident Energy (eV)

37-Rb-85

MAT 3725 Dpa inelastic (mt51-91) 37-Rb-85
 Cross Section -100.0 To 9999. %

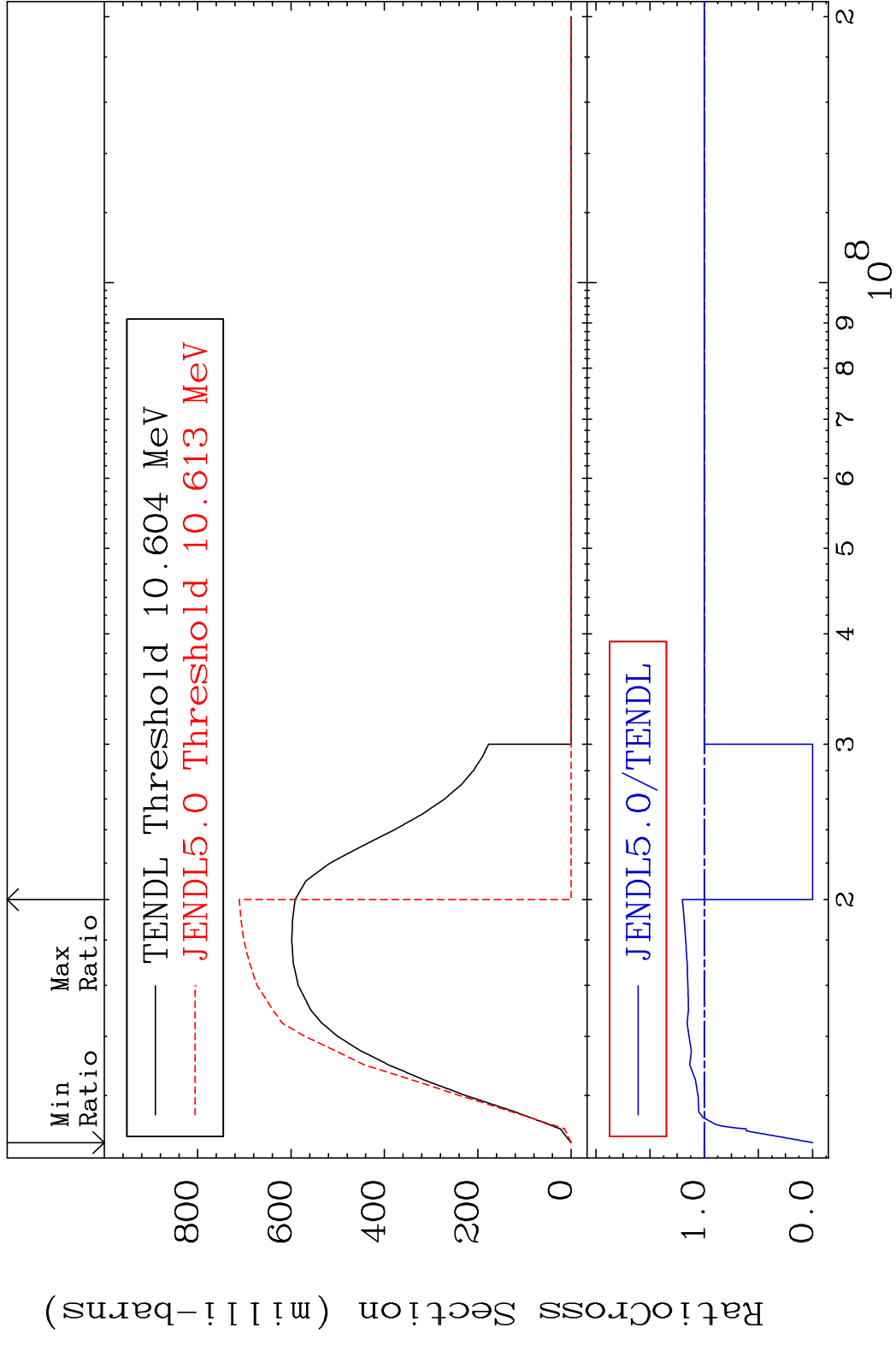


MAT 3725 Dpa disappearance (mt102 -120) 37-Rb-85
 Cross Section -100.0 To 9999. %

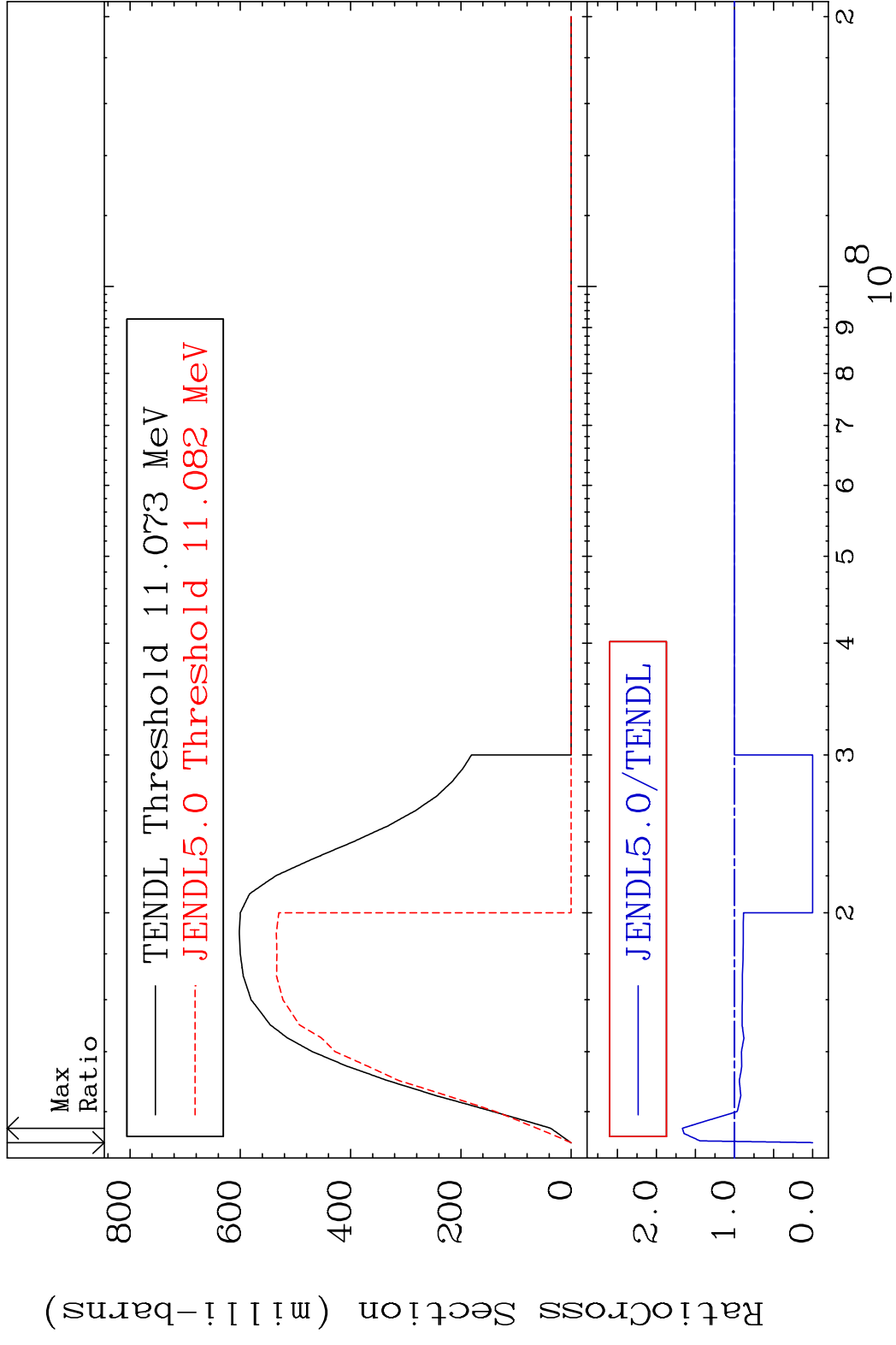


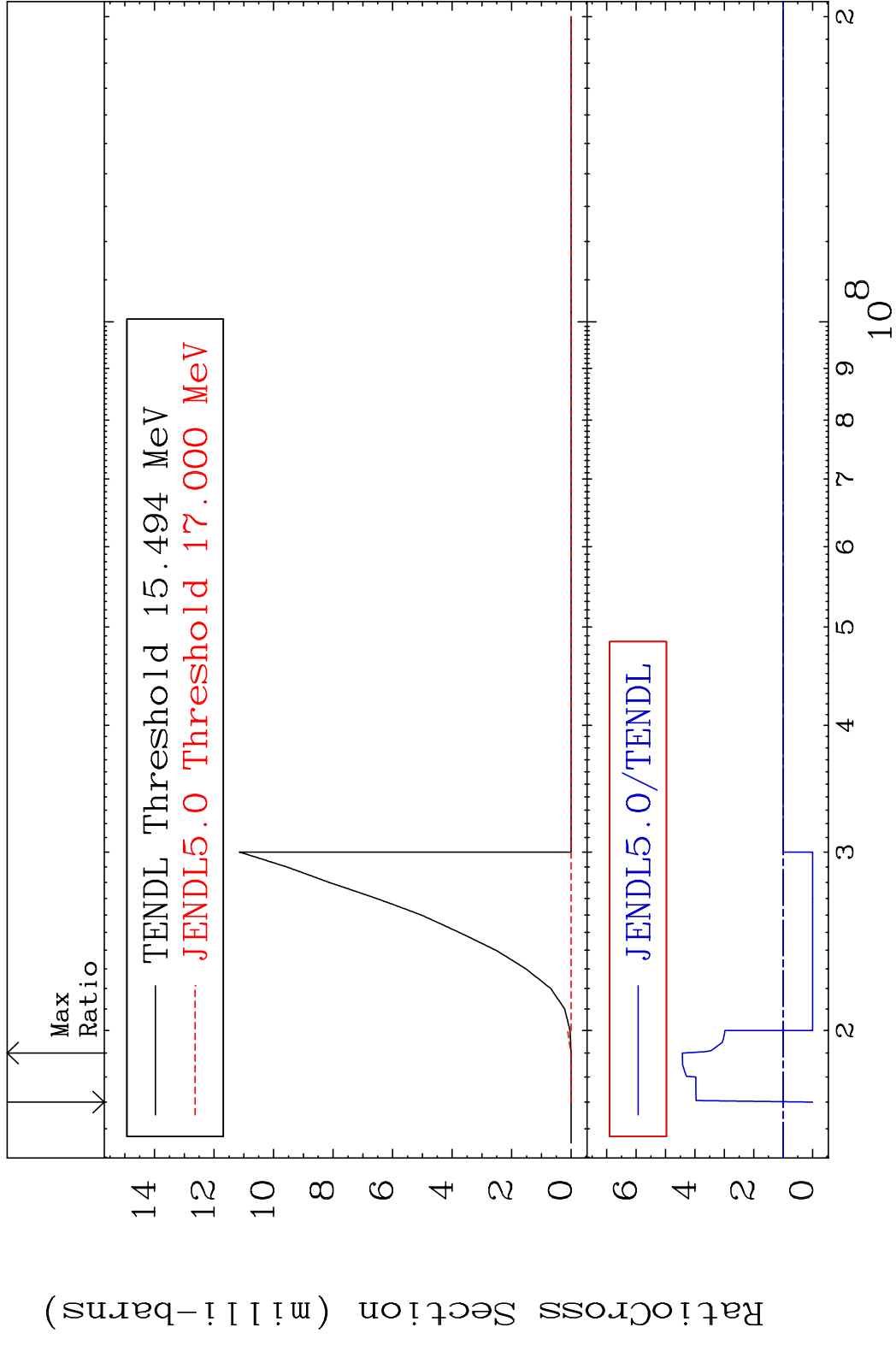
63 Incident Energy (eV) 37-Rb-85

MAT 3725 (n,2n):37-Rb-84g 37-Rb-85
 Radionuclide Production Cross Section Ratio 20.21 %

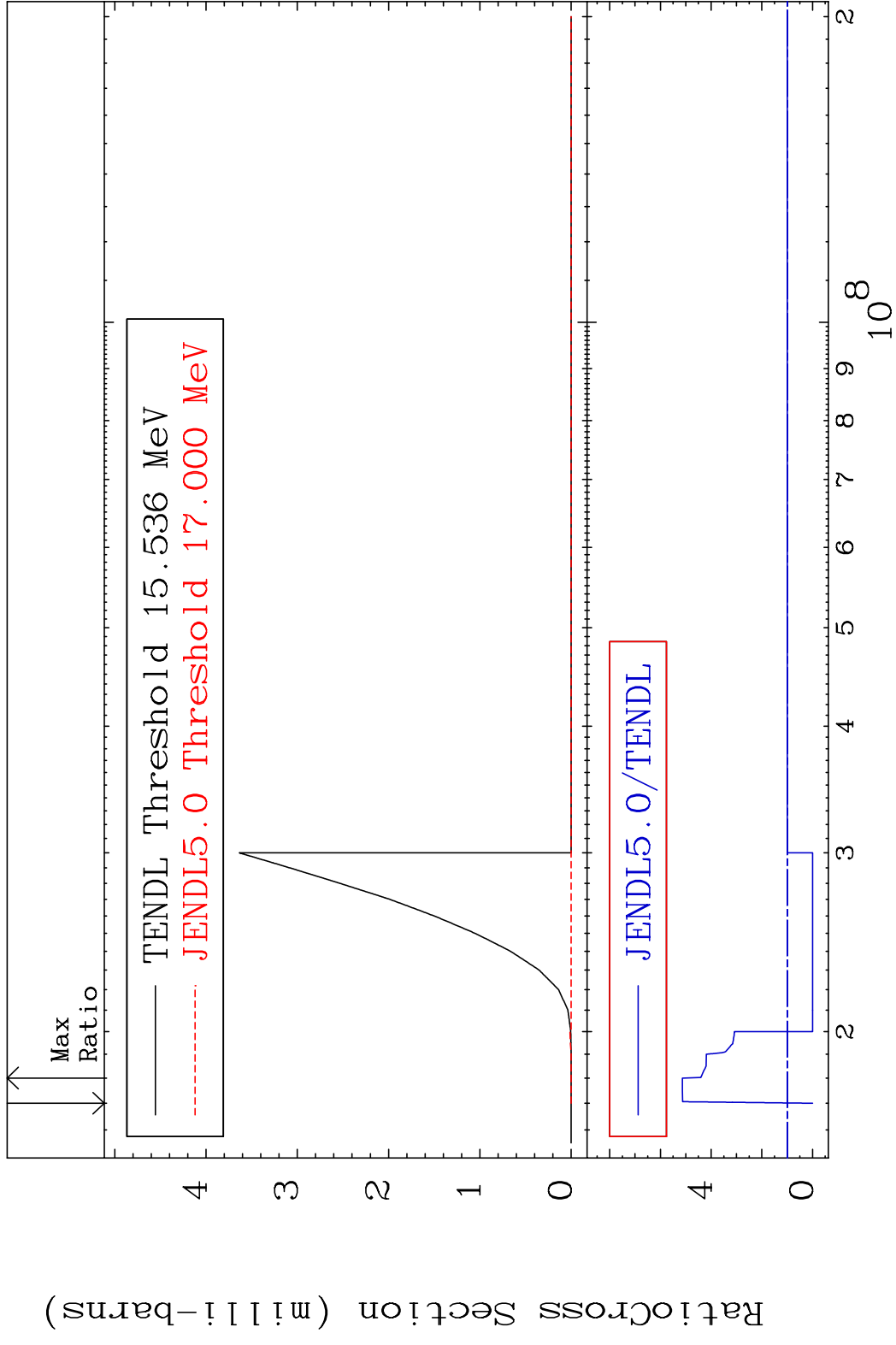


MAT 3725 (n,2n):37-Rb-84m2 37-Rb-85
 Radionuclide Production Cross Section Ratio 66.79 %

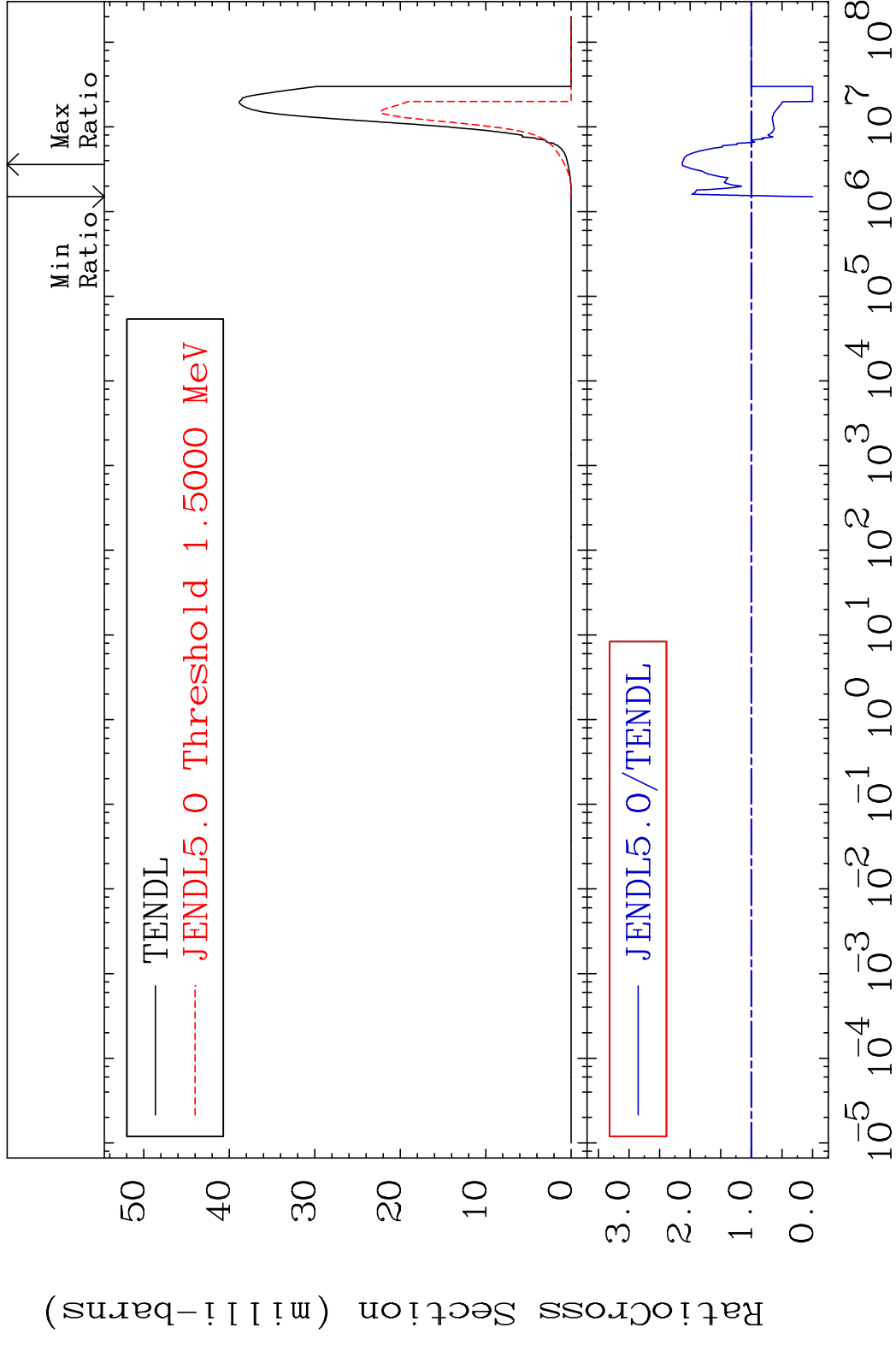




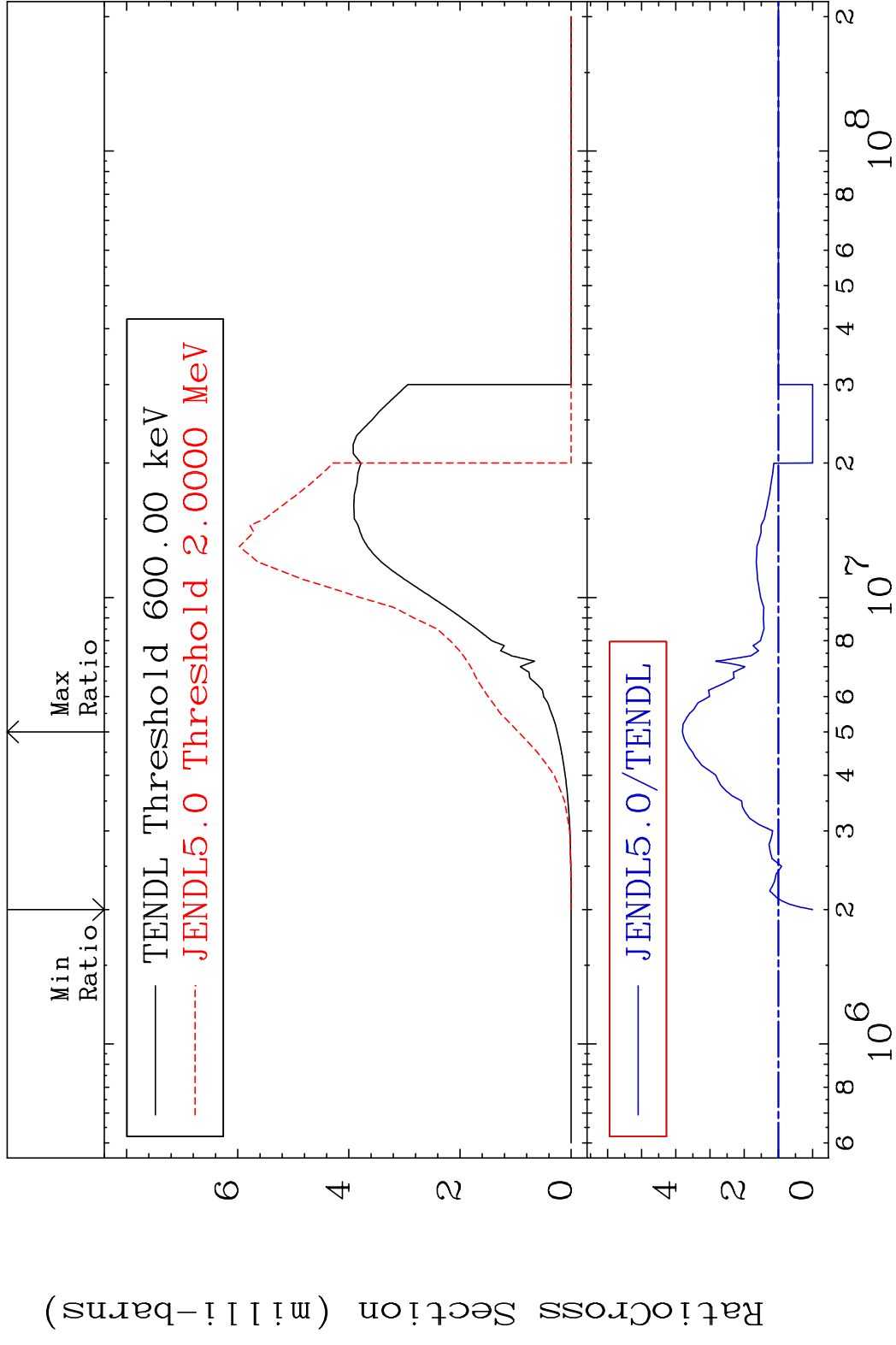
MAT 3725 (n, n') d:36-Kr-83m2 37-Rb-85
 Radionuclide Production Cross Section 413.4 %



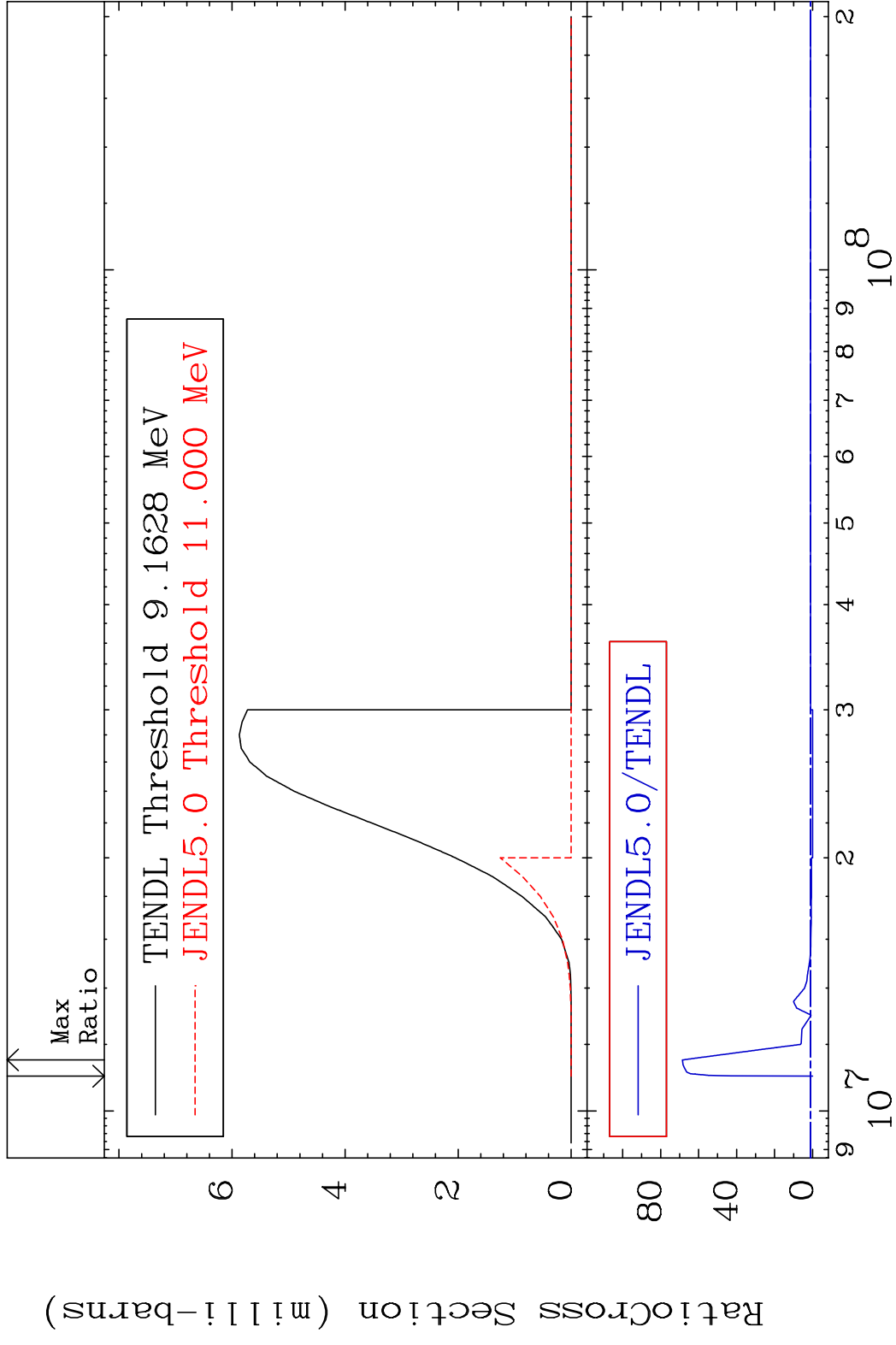
MAT 3725 (n, p) : 36-Kr-85g 37-Rb-85
 Radionuclide Production Cross Section 180.0 mb 112.7 %



MAT 3725 (n,p):36-Kr-85m1 37-Rb-85
 Radionuclide Production Cross Section 180.0 dth 281.0 %

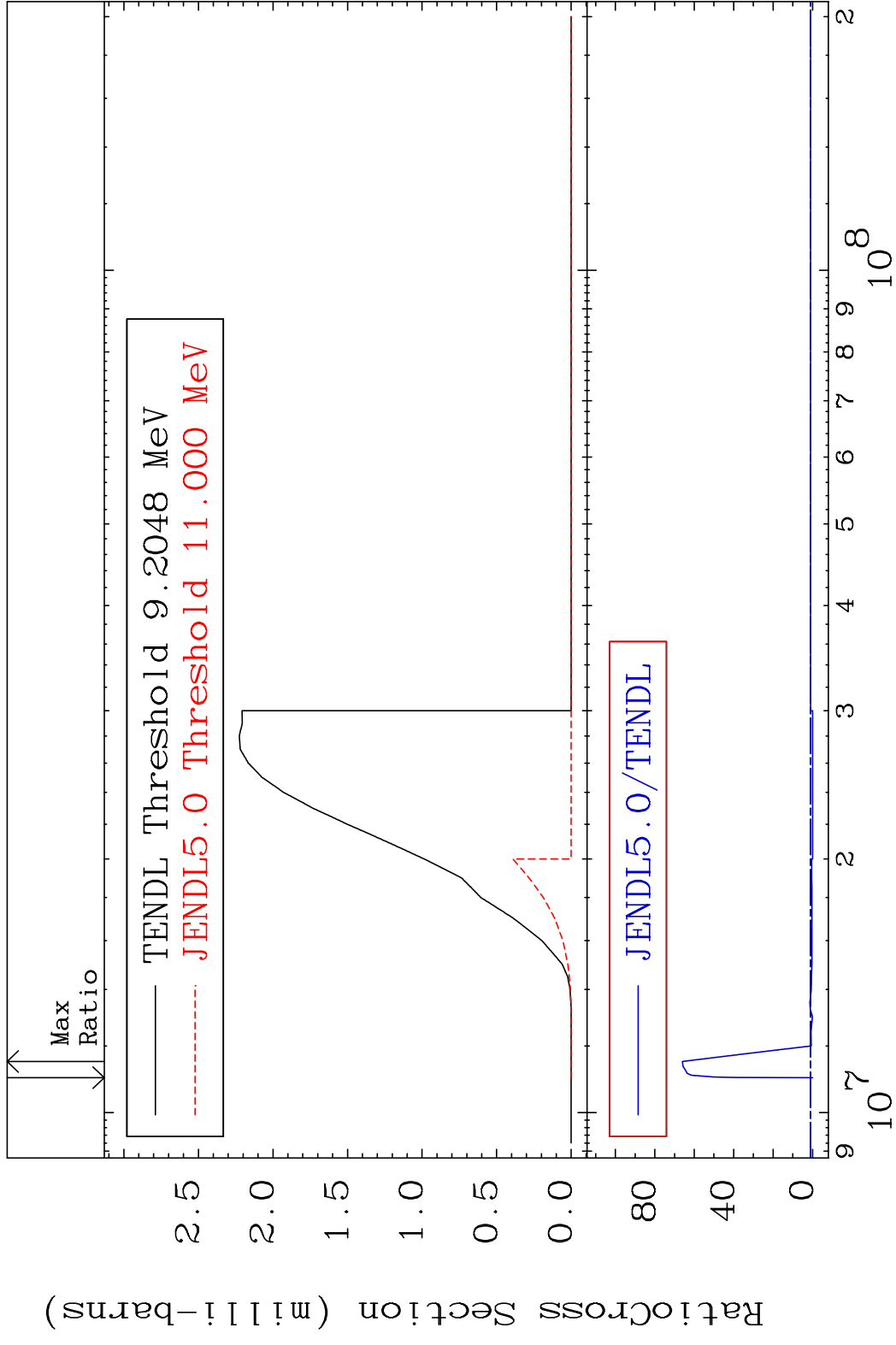


MAT 3725 (n, t):36-Kr-83g 37-Rb-85
 Radionuclide Production Cross Section 6757. %

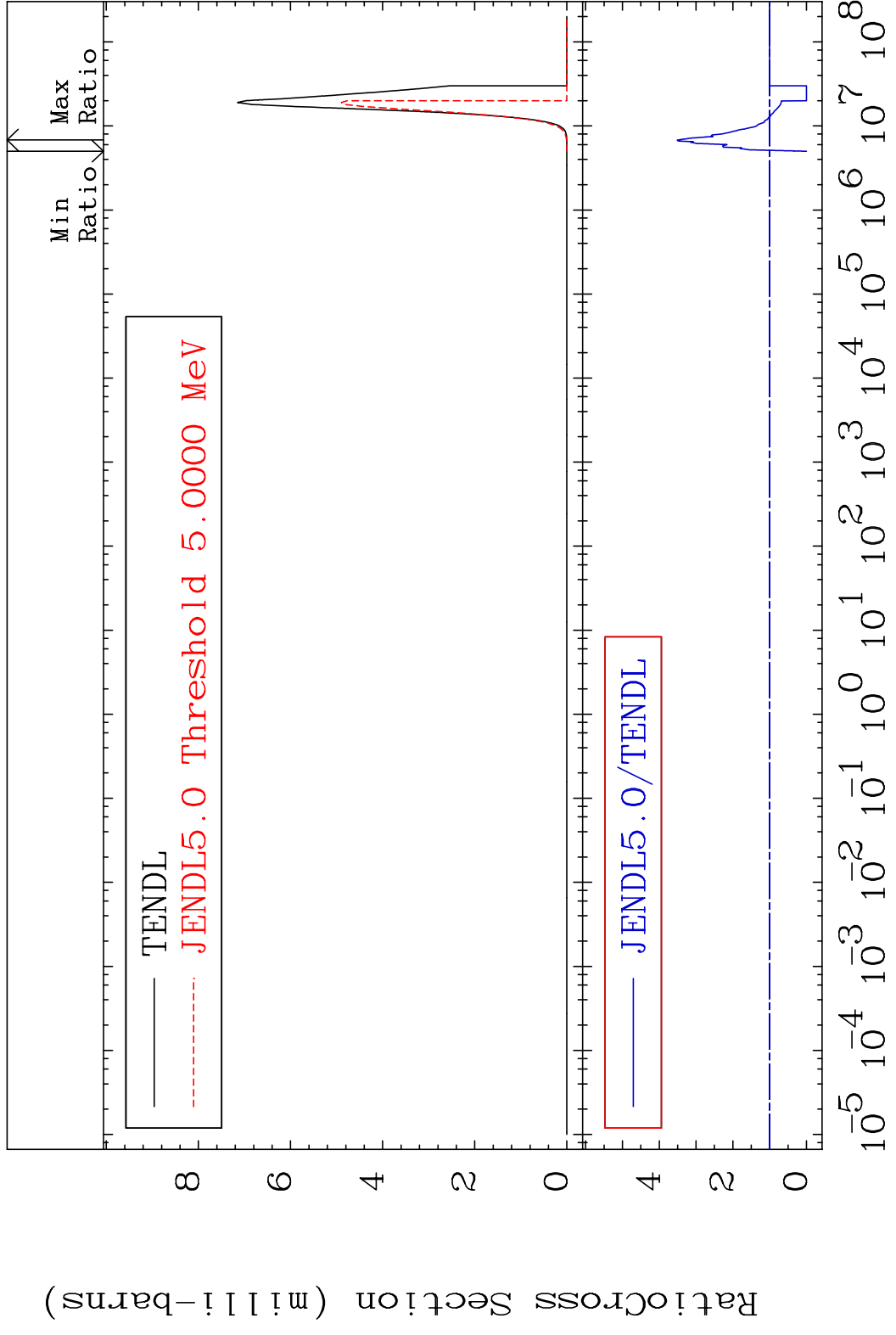


70 Incident Energy (eV) 37-Rb-85

MAT 3725 (n, t):36-Kr-83m2 37-Rb-85
 Radionuclide Production Cross Section 6503. %

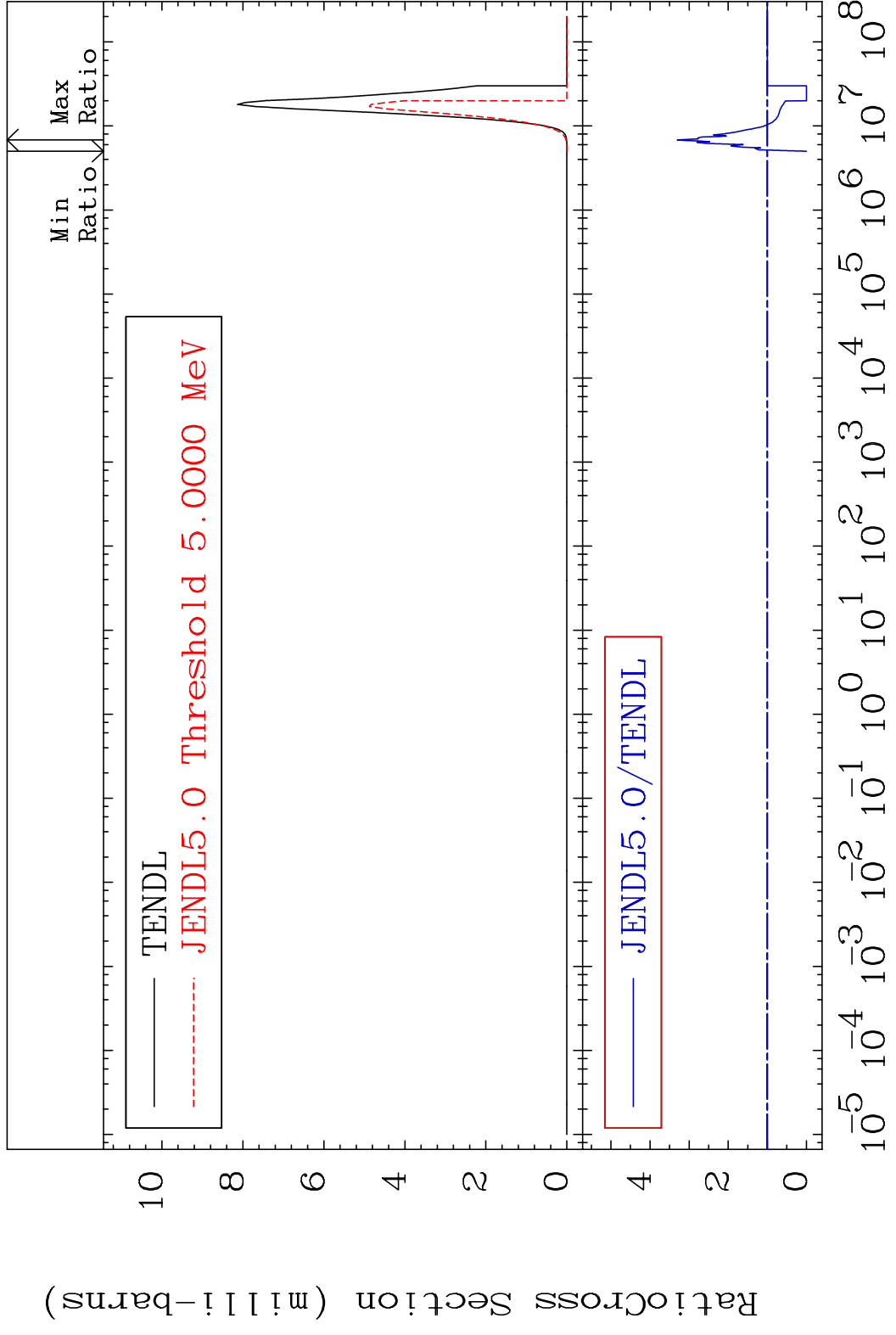


MAT 3725 (n, α): 35-Br-82g 37-Rb-85
 Radionuclide Production Cross Section Ratio 251.2 %



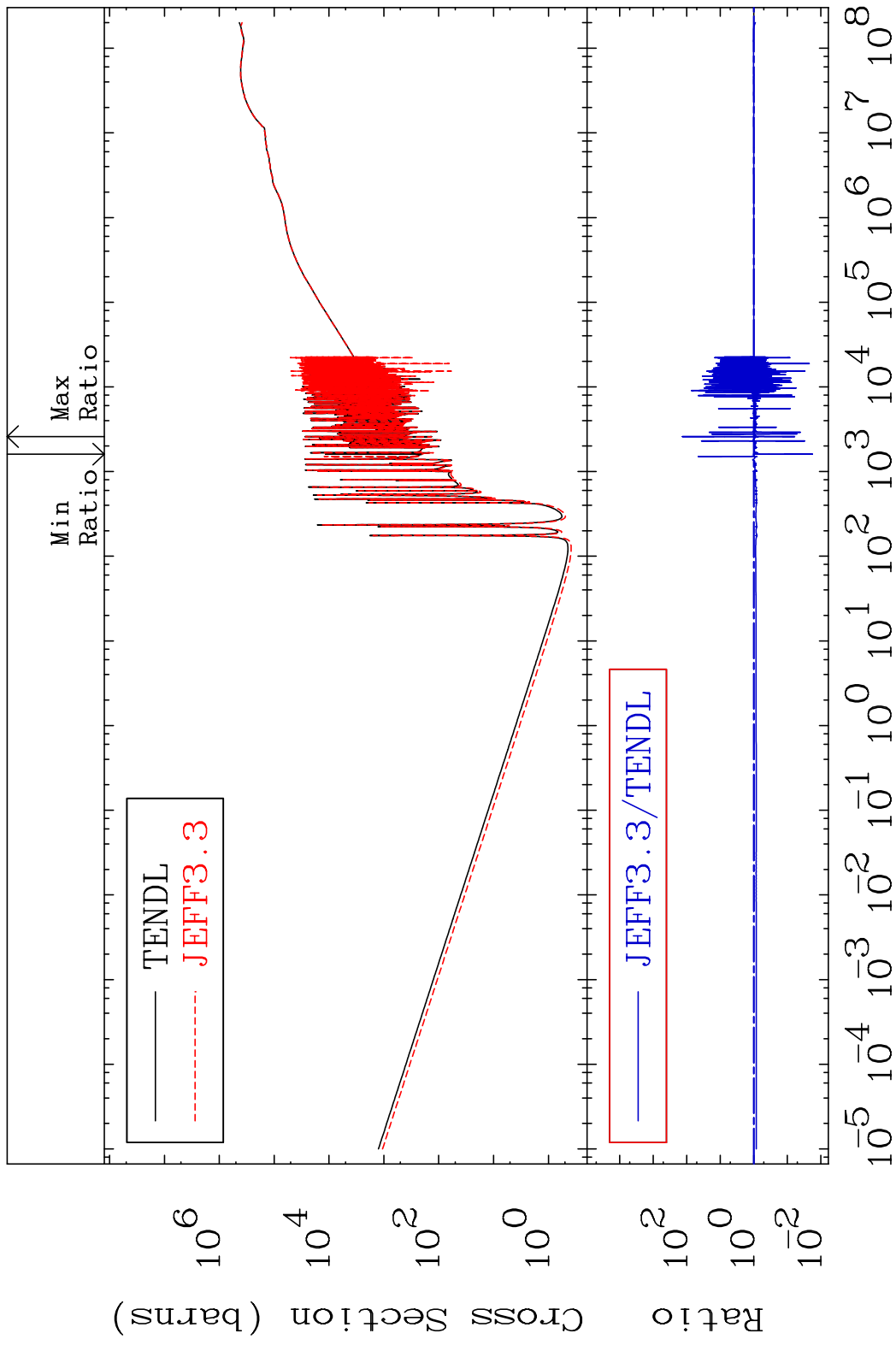
72 Incident Energy (eV) 37-Rb-85

MAT 3725 (n, α): 35-Br-82m1 37-Rb-85
 Radionuclide Production Cross Section 180.0 dth 230.5 %



73 Incident Energy (eV) 37-Rb-85

MAT 3725 Dpa total (eV-barns) 37-Rb-85
 Cross Section -98.25 To 9999. %

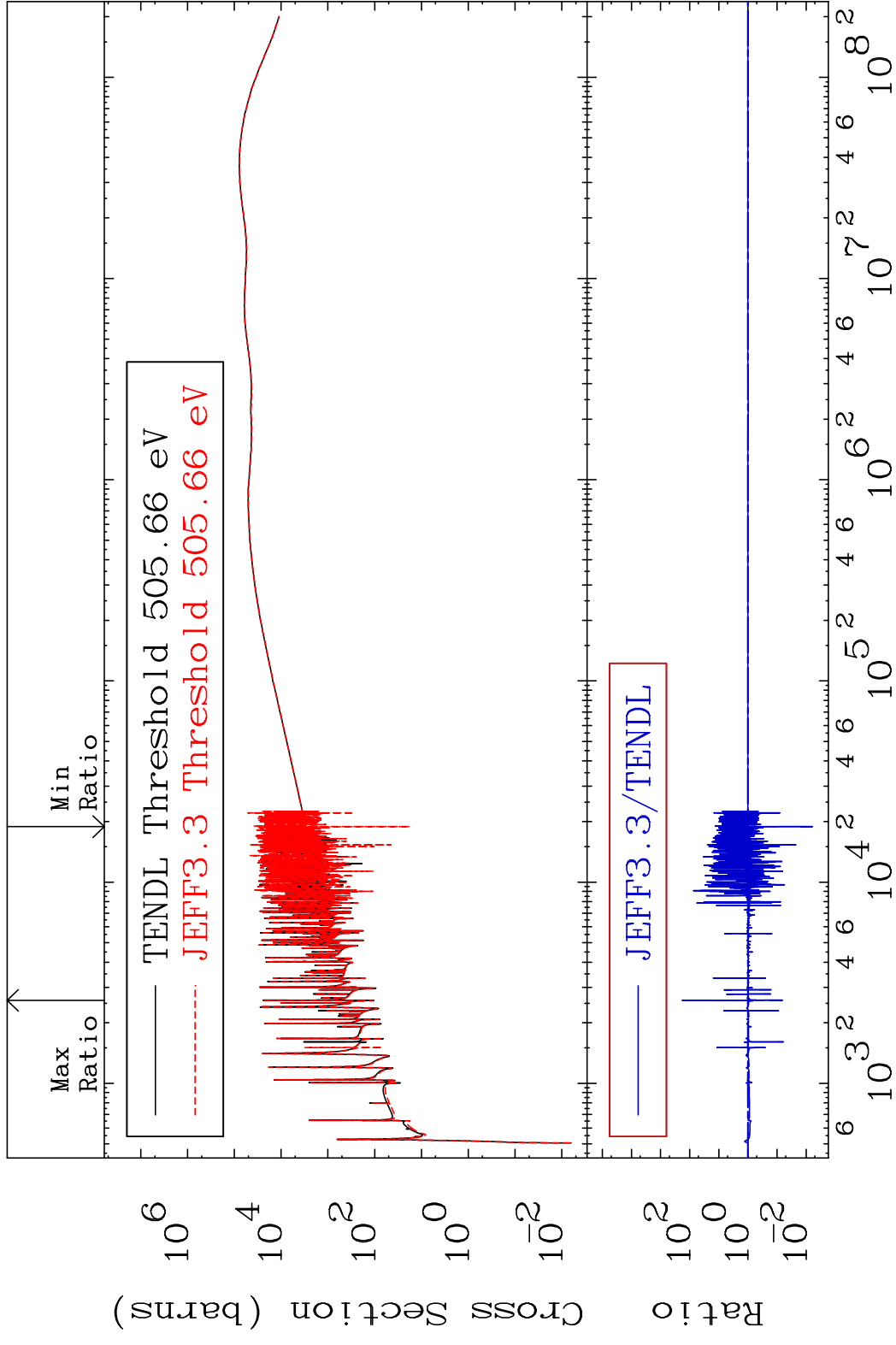


MAT 3725

Dpa elastic (mt2)

37-Rb-85

Cross Section -99.40 To 9999. %

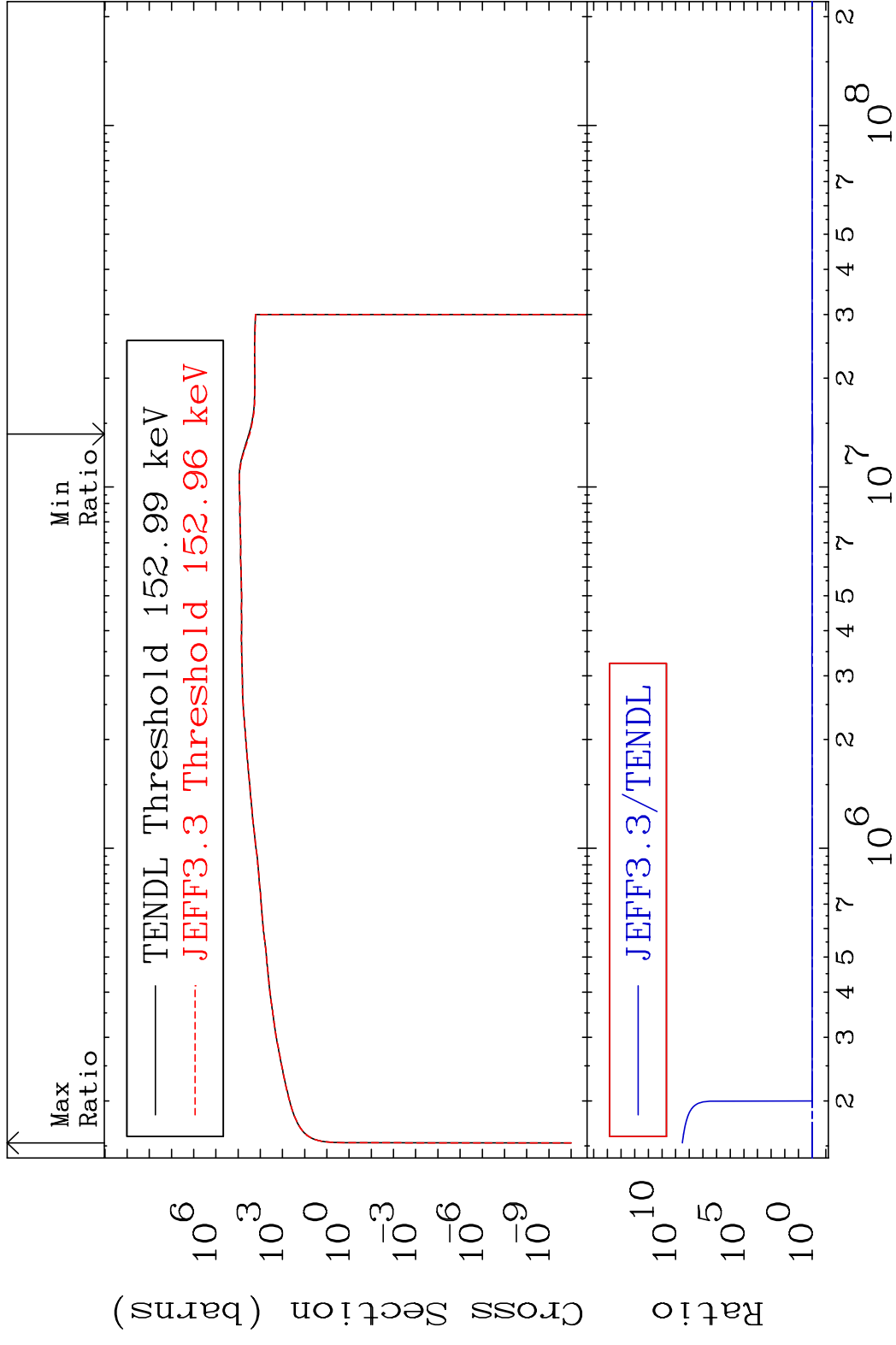


75

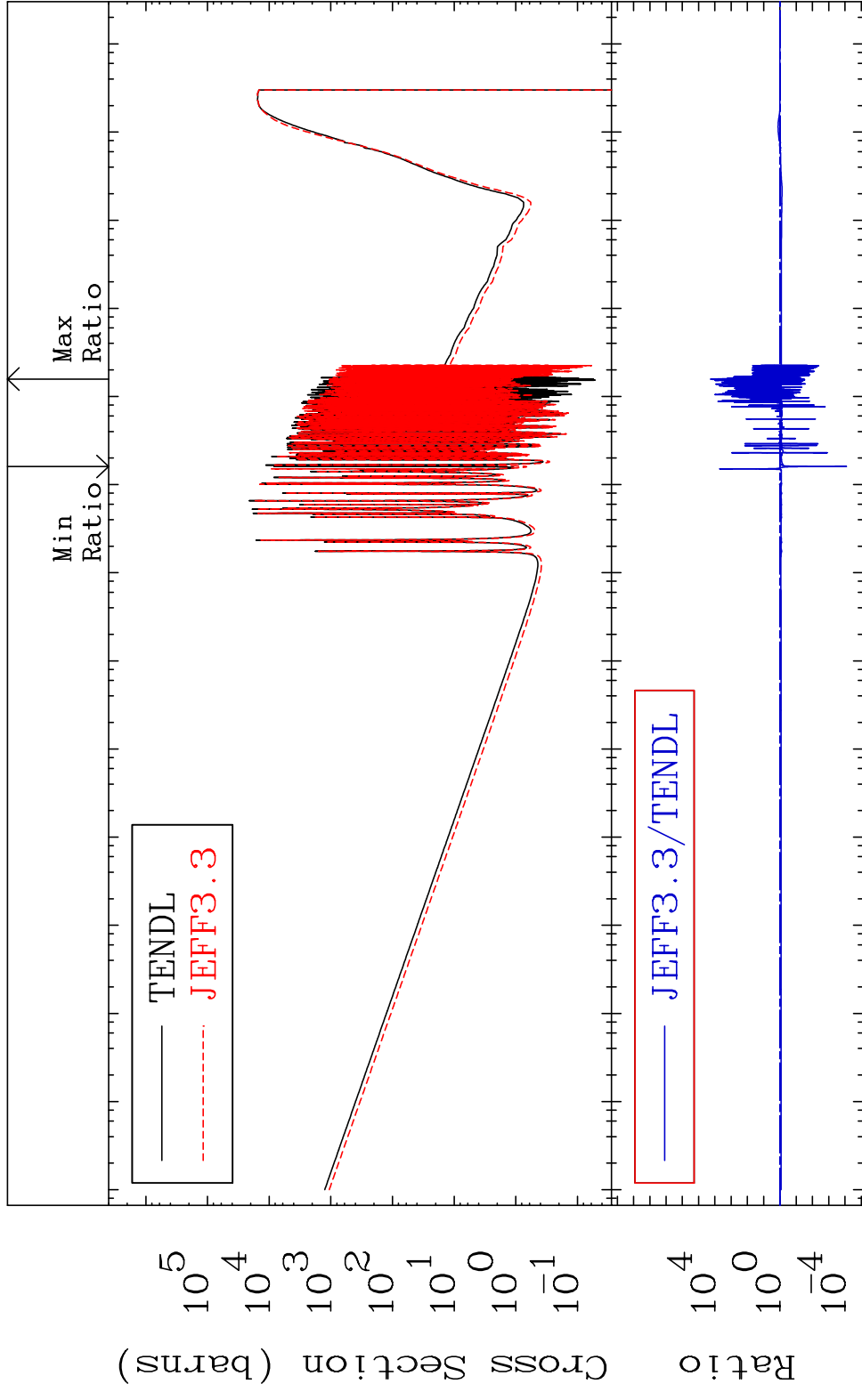
Incident Energy (eV)

37-Rb-85

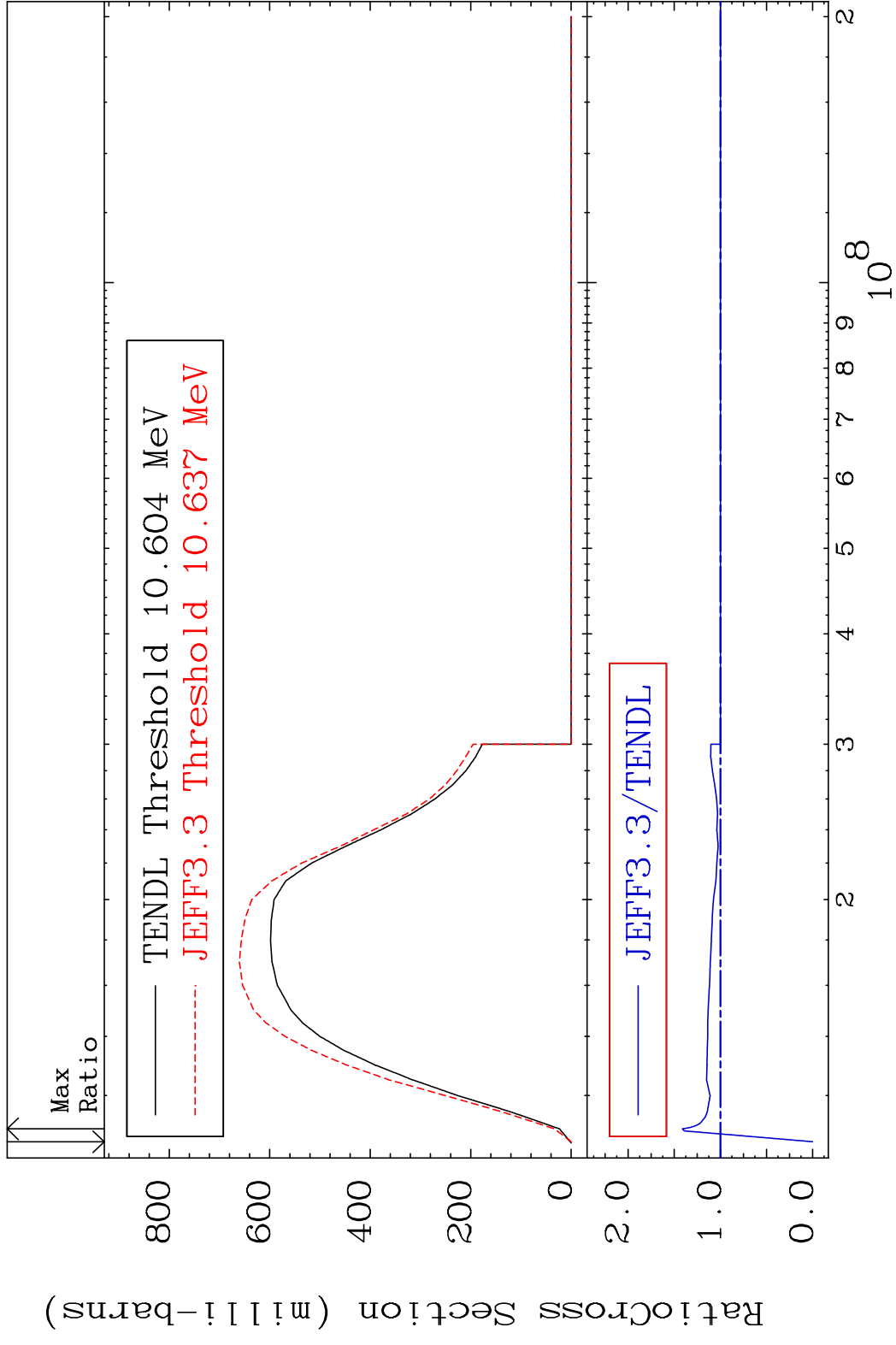
MAT 3725 Dpa inelastic (mt51-91) 37-Rb-85
 Cross Section -7.508 To 9999. %



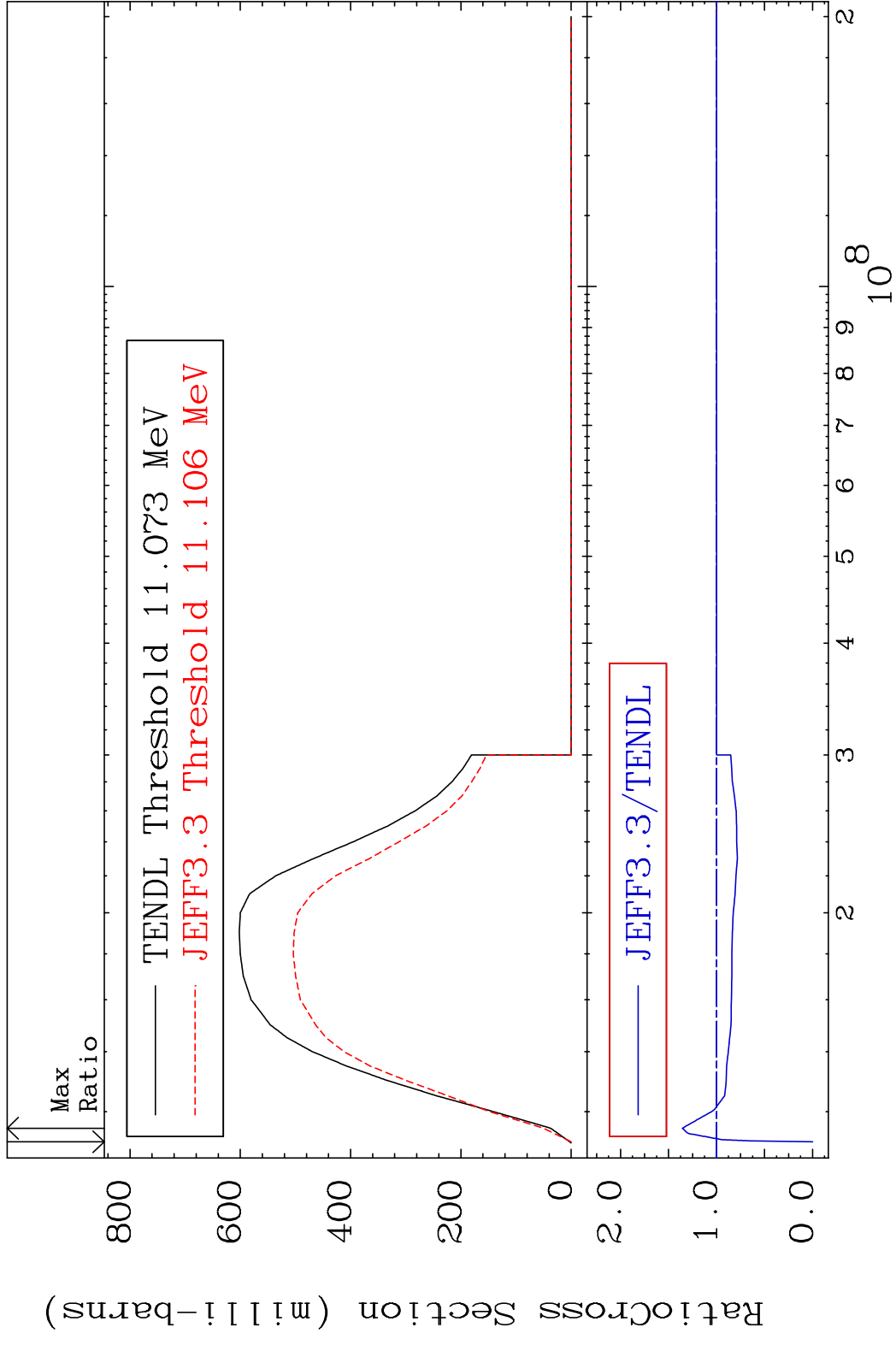
MAT 3725 Dpa disappearance (mt102 -120) 37-Rb-85
 Cross Section -99.99 To 9999. %



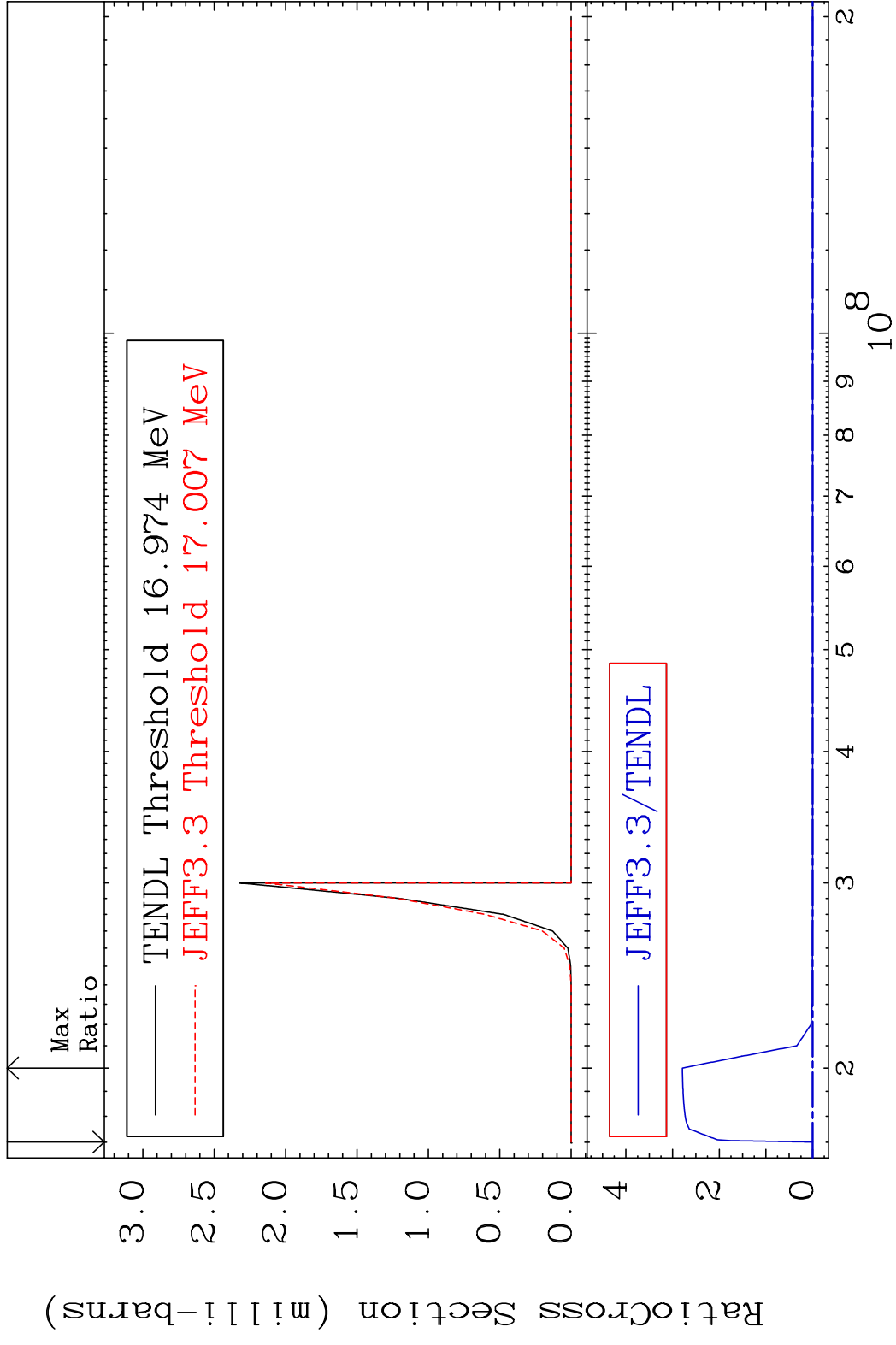
MAT 3725 (n,2n):37-Rb-84g 37-Rb-85
 Radionuclide Production Cross Section 41.23 %



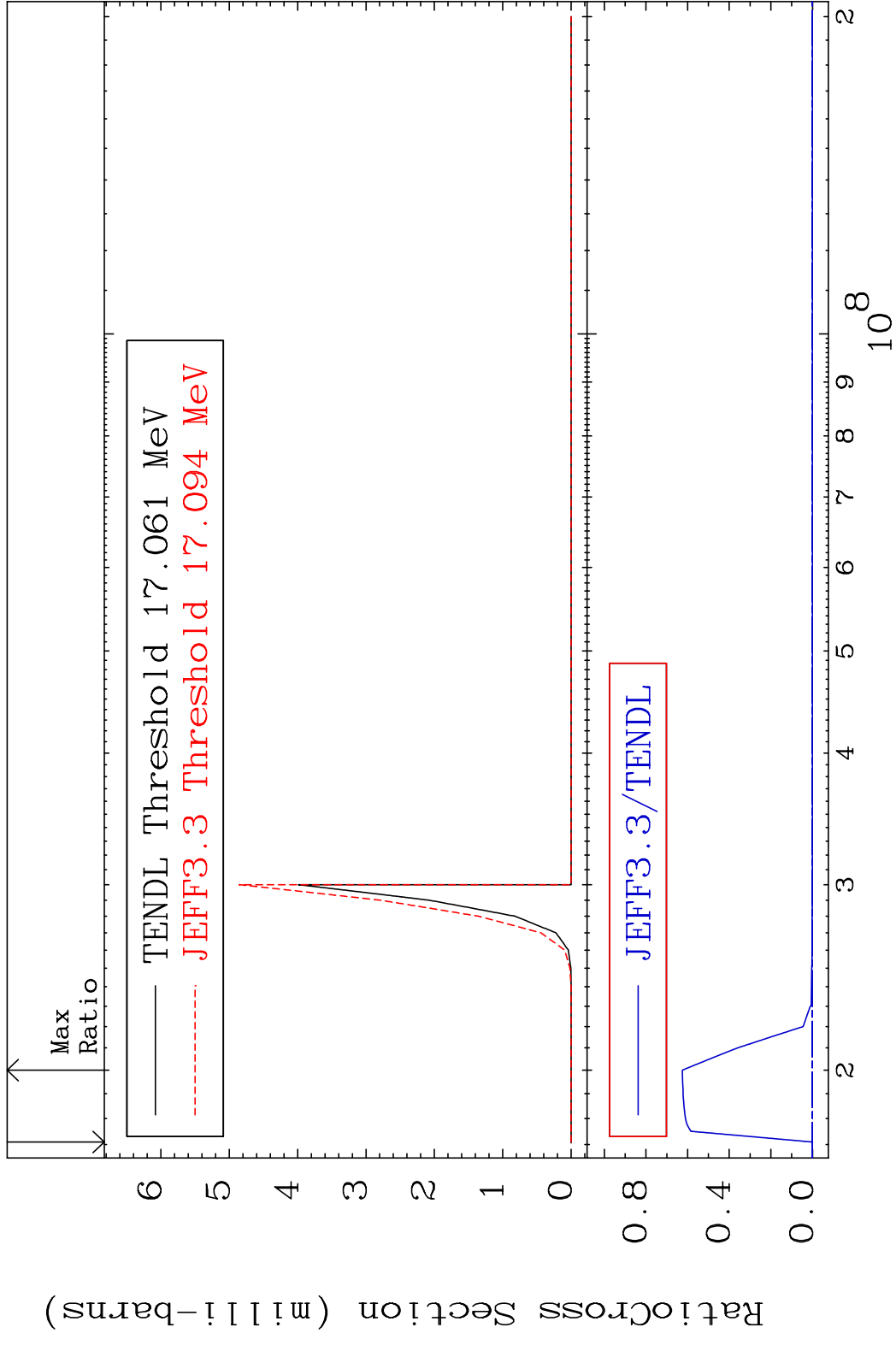
MAT 3725 (n,2n):37-Rb-84m2 37-Rb-85
 Radionuclide Production Cross Section 180.01 dth 35.62 %



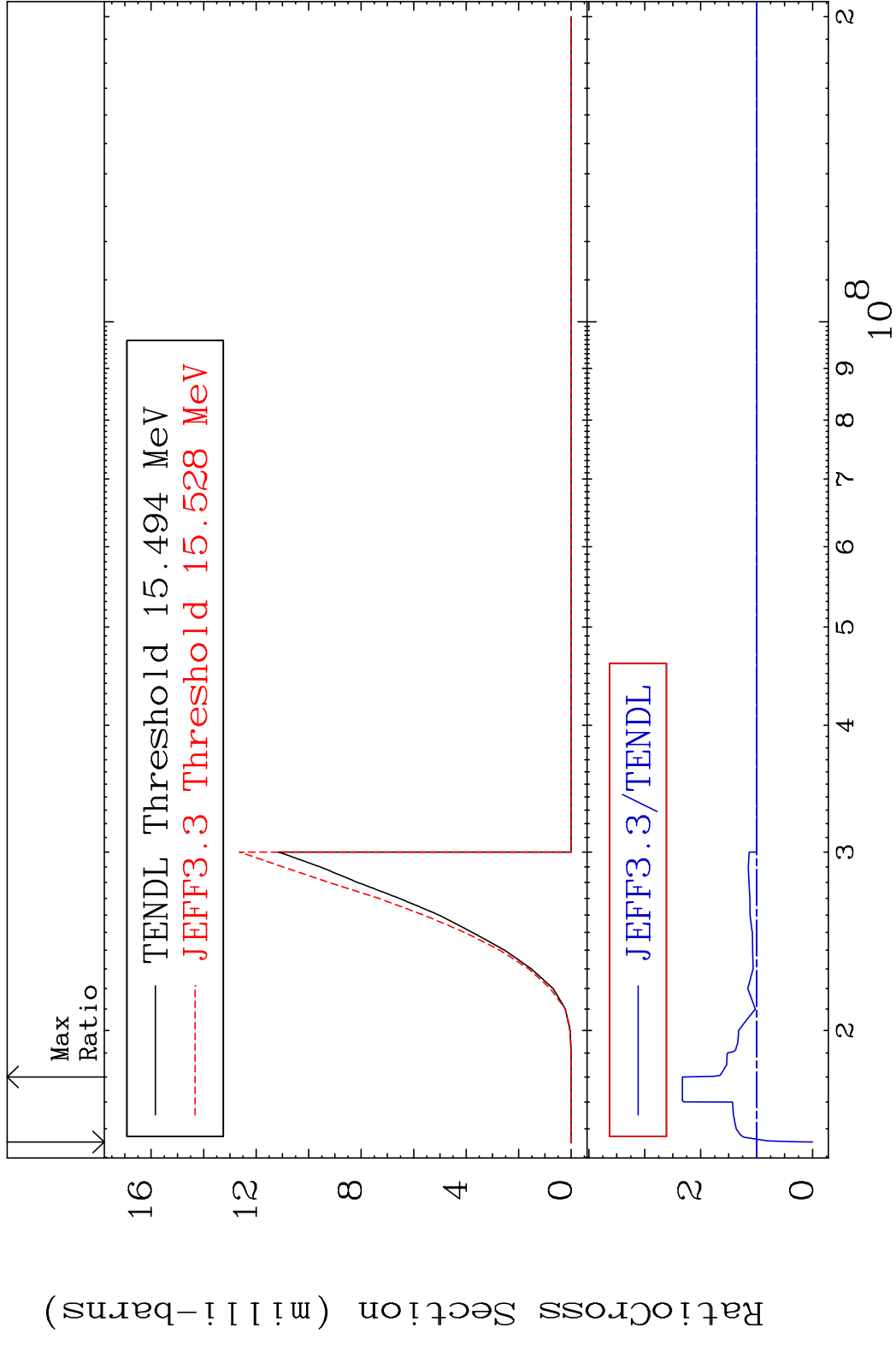
MAT 3725 (n,2n) α :35-Br-80g 37-Rb-85
 Radionuclide Production Cross Section 100.00 %



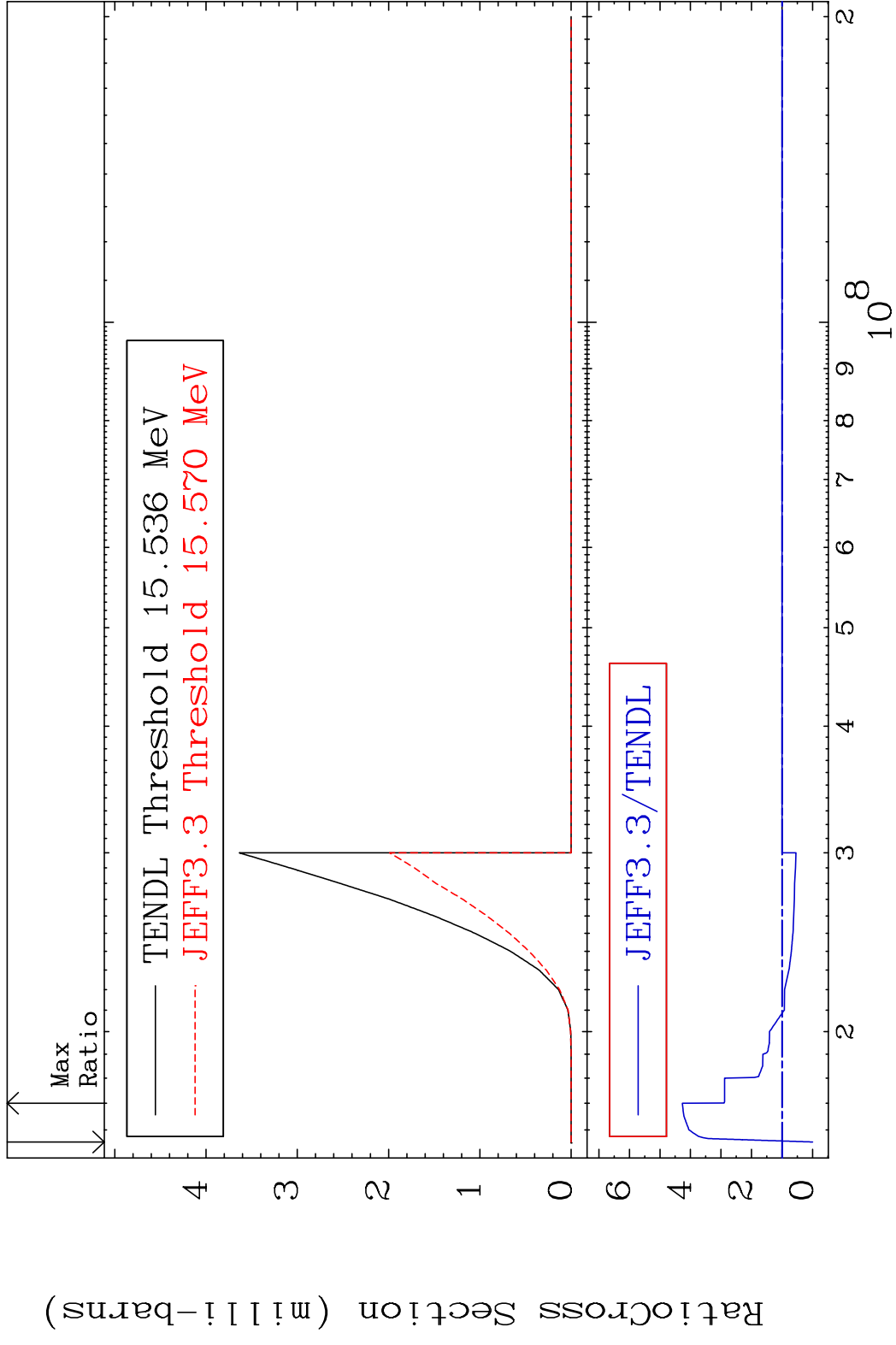
MAT 3725 (n,2n) α :35-Br-80m2 37-Rb-85
 Radionuclide Production Cross Section 1800 d to 9999. %



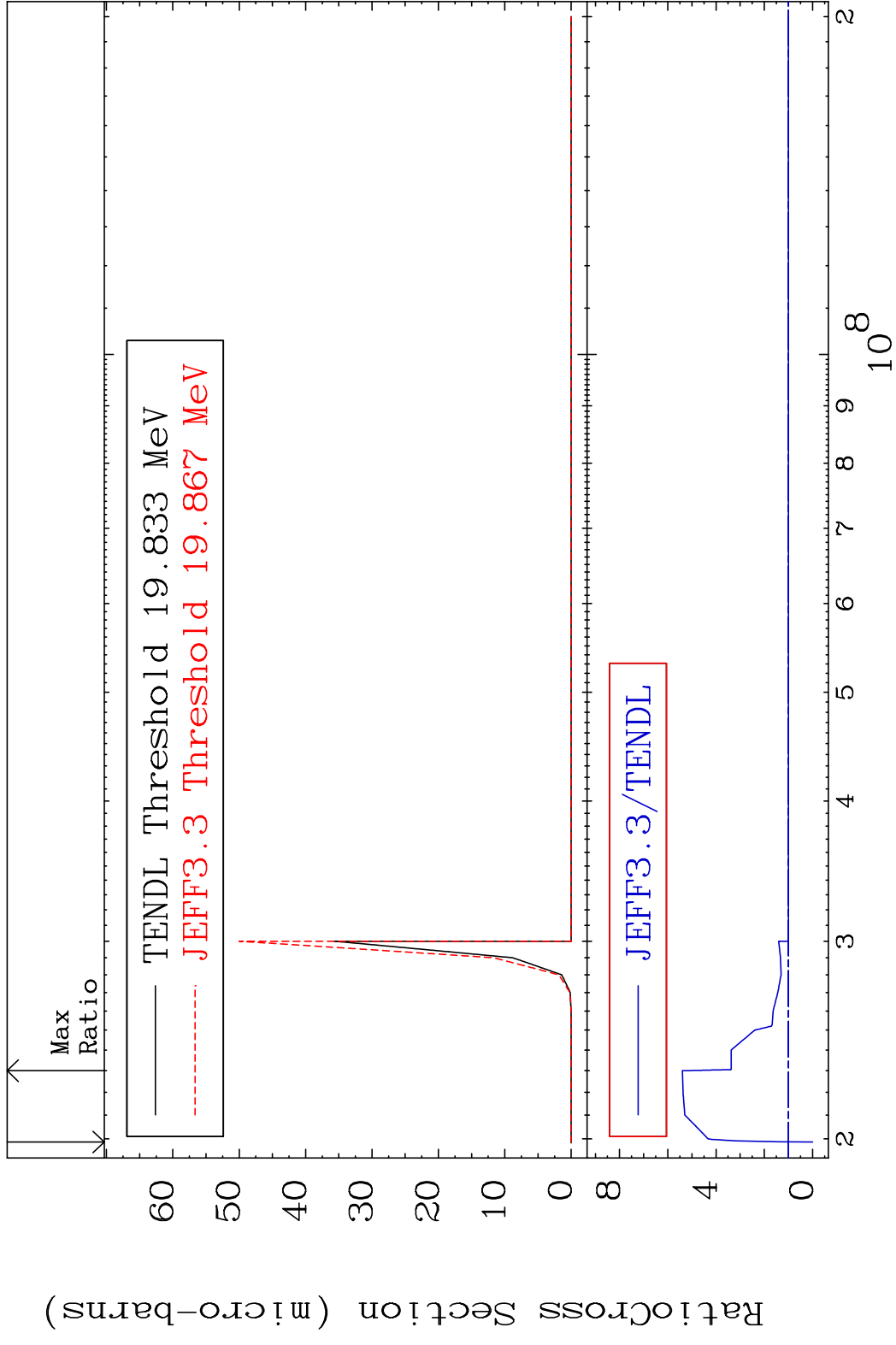
MAT 3725 (n, n') d:36-Kr-83g 37-Rb-85
 Radionuclide Production Cross Section 132.8 %



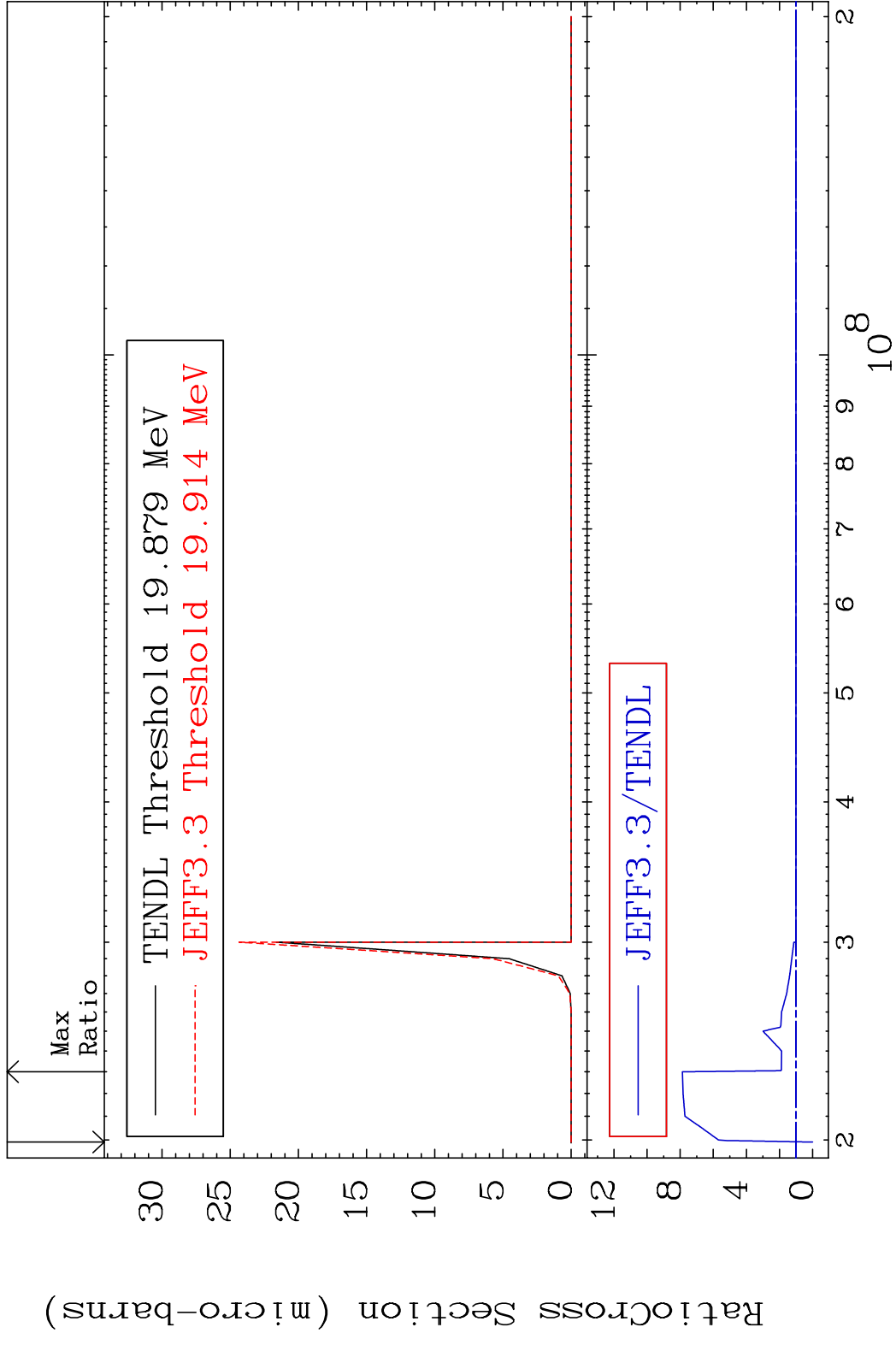
MAT 3725 (n, n') d:36-Kr-83m2 37-Rb-85
 Radionuclide Production Cross Section 1800 dth 326.5 %



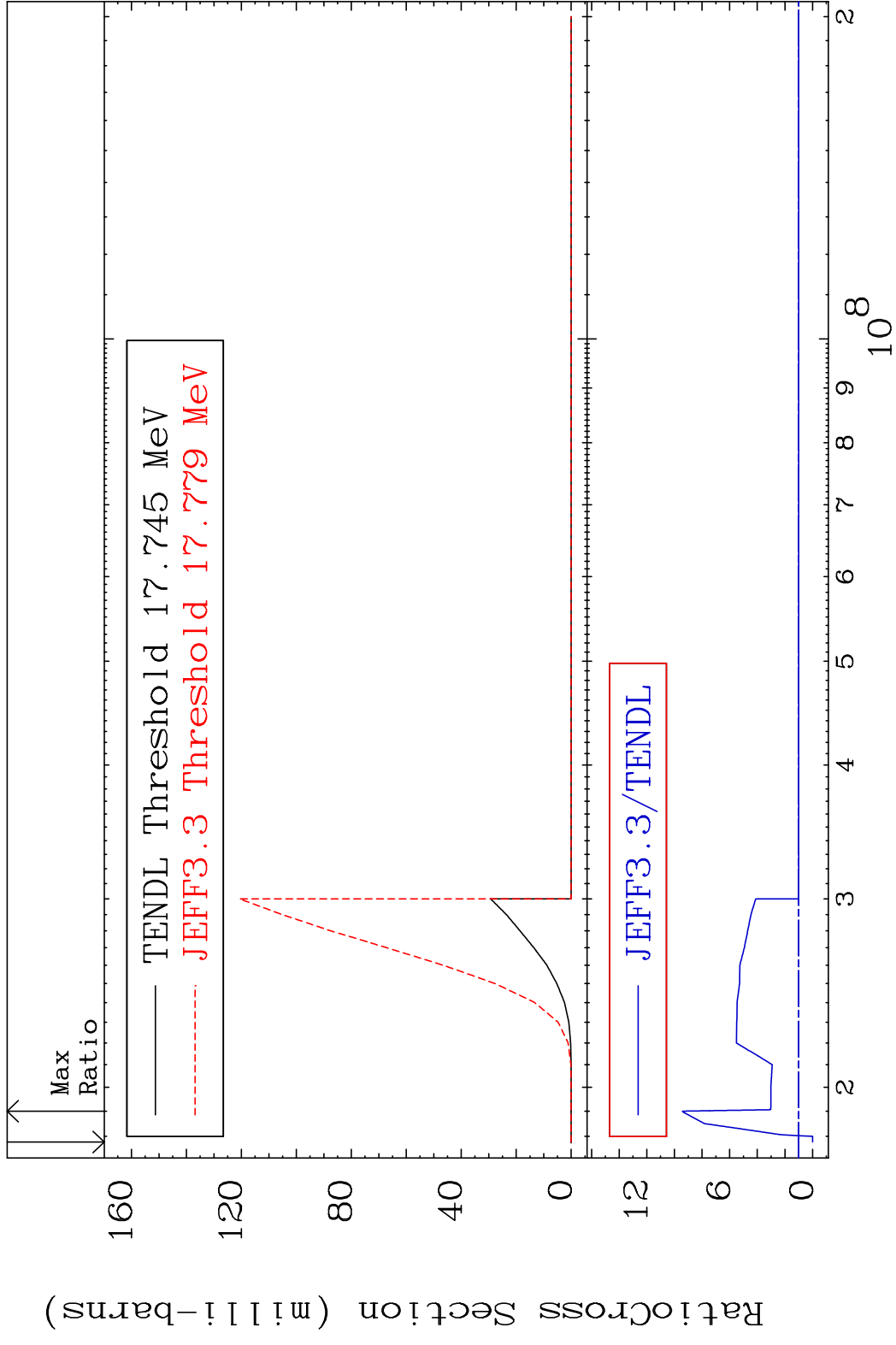
MAT 3725 (n, n') He-3:35-Br-82g 37-Rb-85
 Radionuclide Production Cross Section Ratio 439.6 %



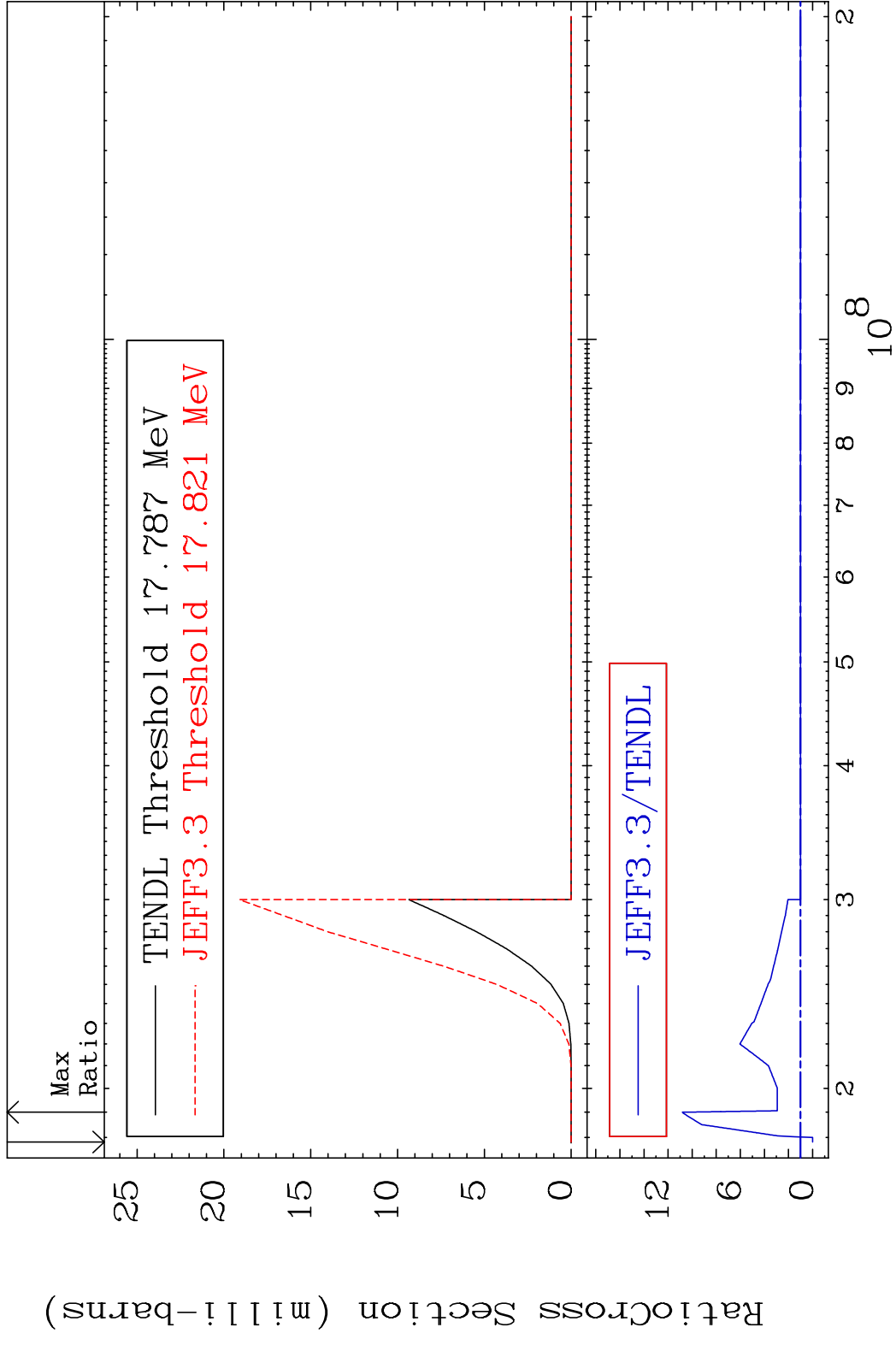
MAT 3725 (n, n') He-3:35-Br-82m1 37-Rb-85
 Radionuclide Production Cross Section 686.9 %



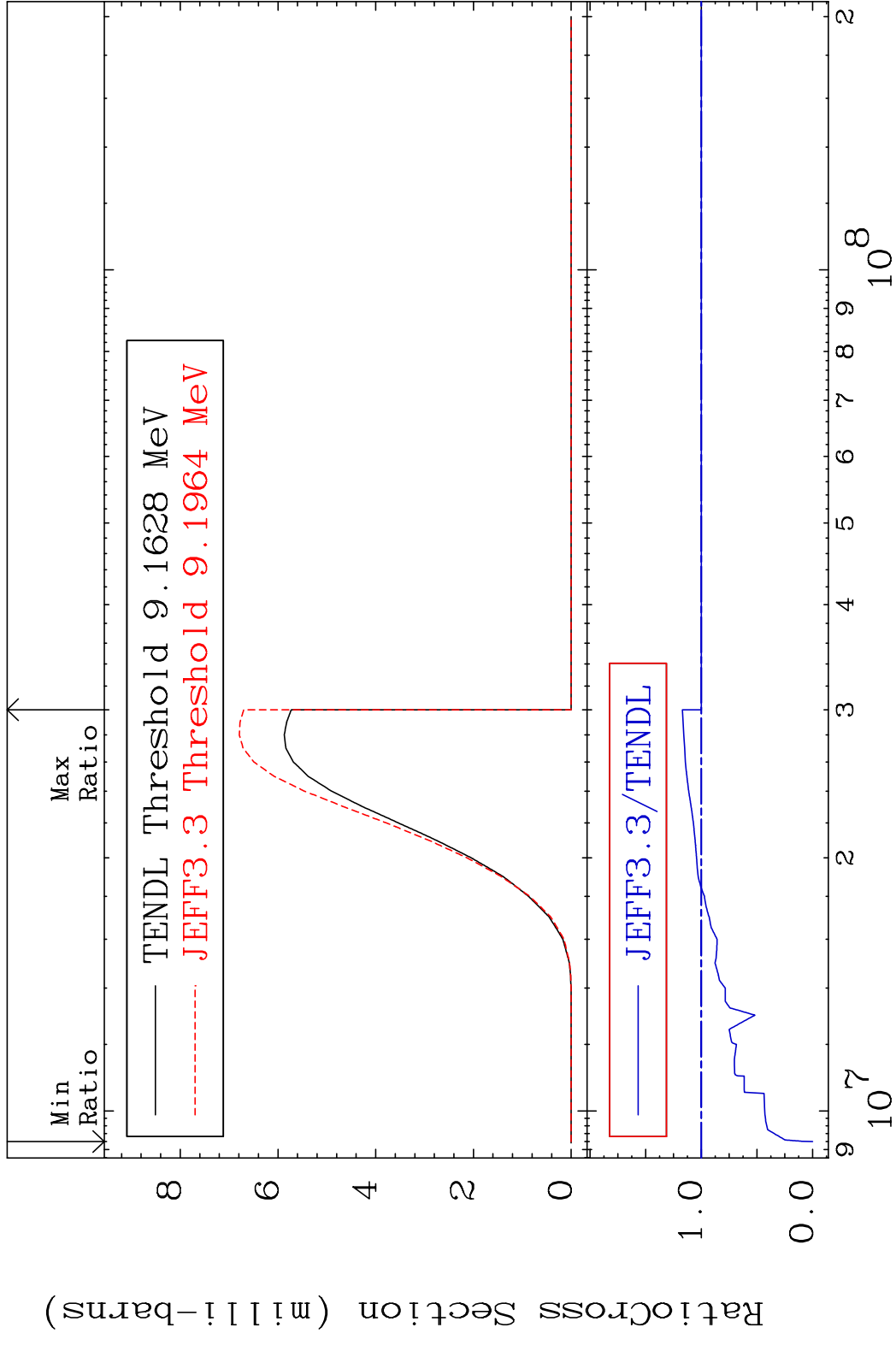
MAT 3725 (n,2n) p:36-Kr-83g 37-Rb-85
 Radionuclide Production Cross Section 180.01 dth 842.6 %



MAT 3725 (n,2n) p:36-Kr-83m2 37-Rb-85
 Radionuclide Production Cross Section 180.01 dth 981.4 %

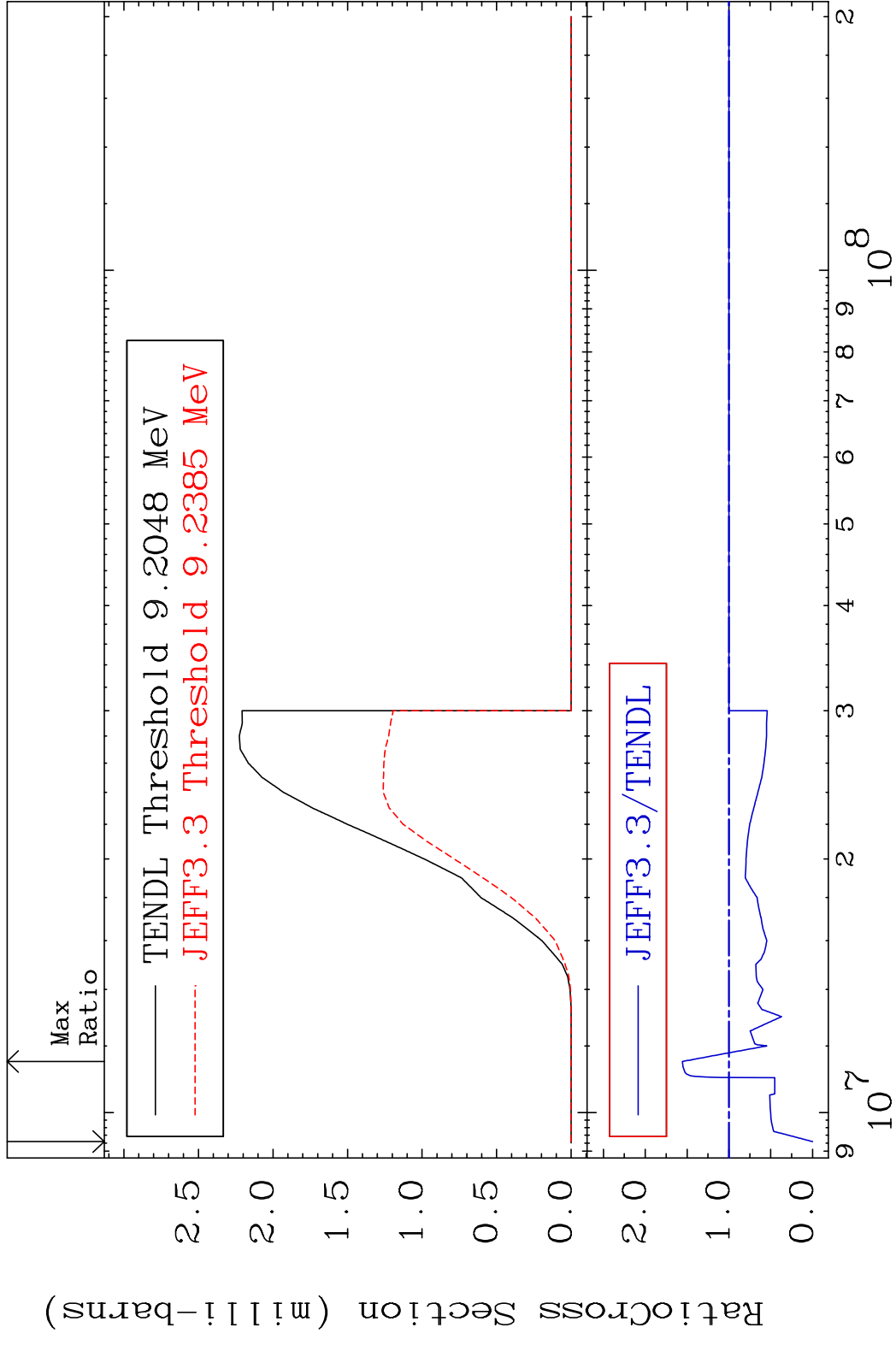


MAT 3725 (n, t):36-Kr-83g 37-Rb-85
 Radionuclide Production Cross Section 18.00 dth 16.99 %

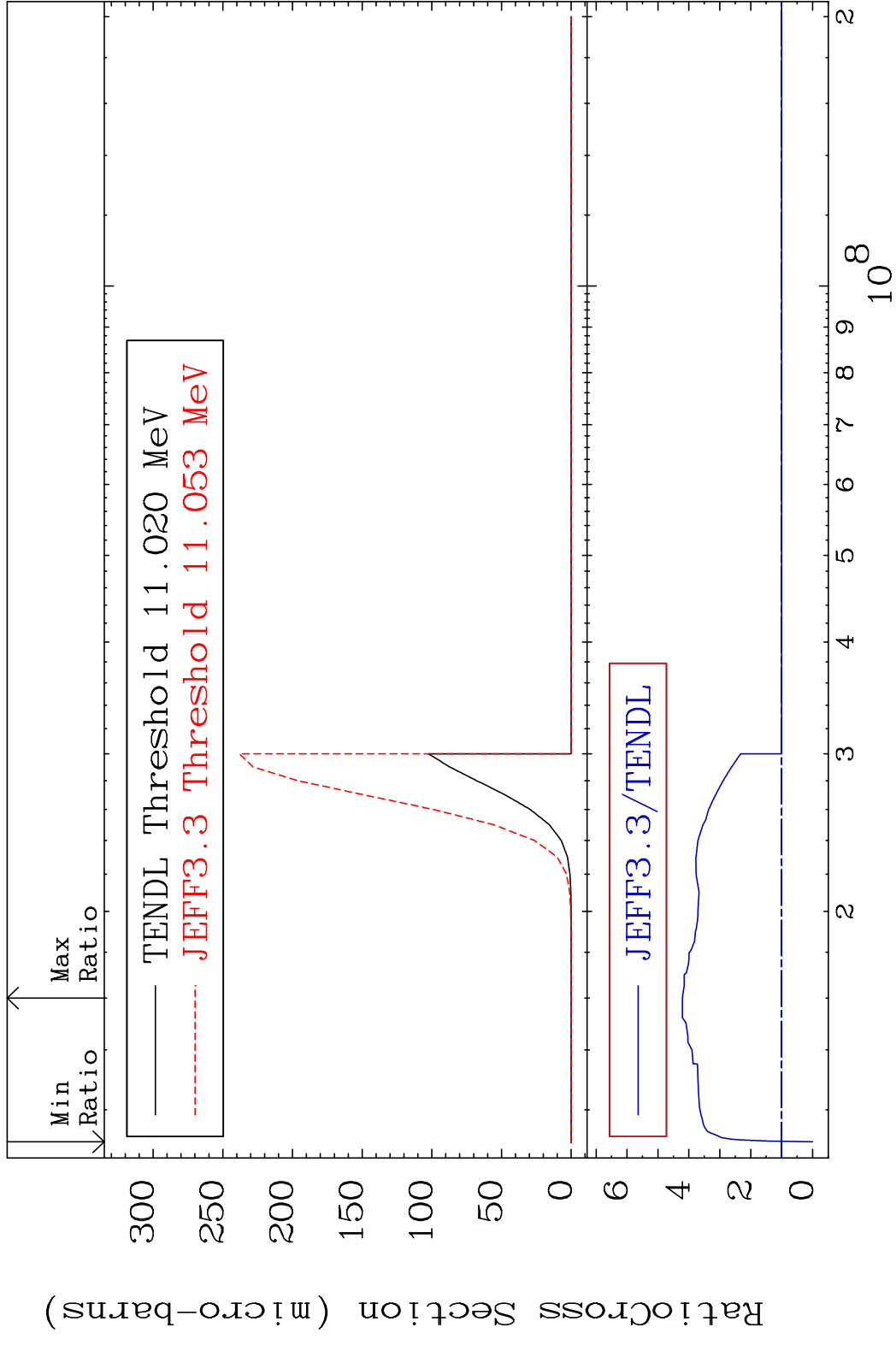


88 Incident Energy (eV) 37-Rb-85

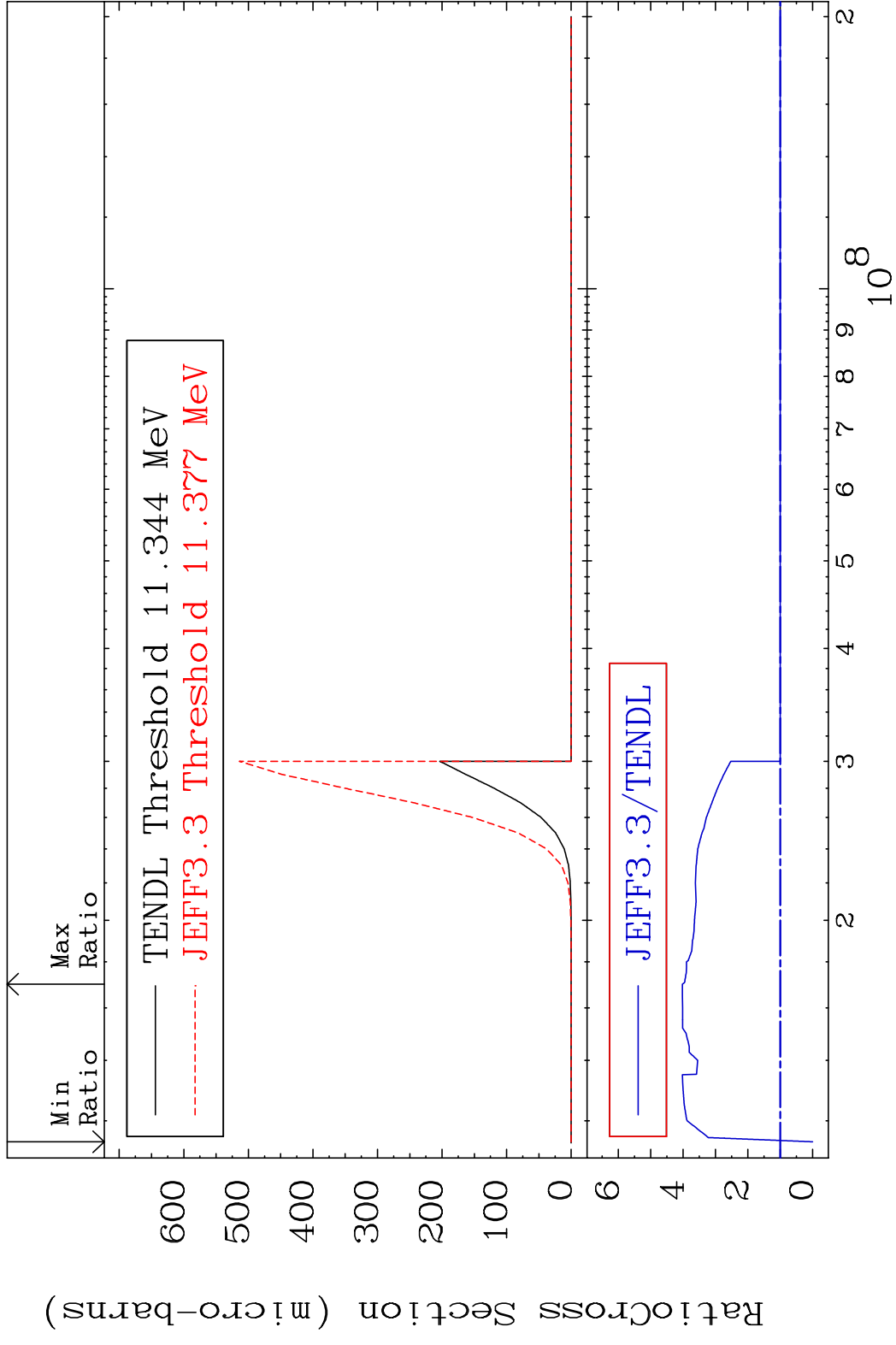
MAT 3725 (n, t):36-Kr-83m2 37-Rb-85
 Radionuclide Production Cross Section 55.63 %



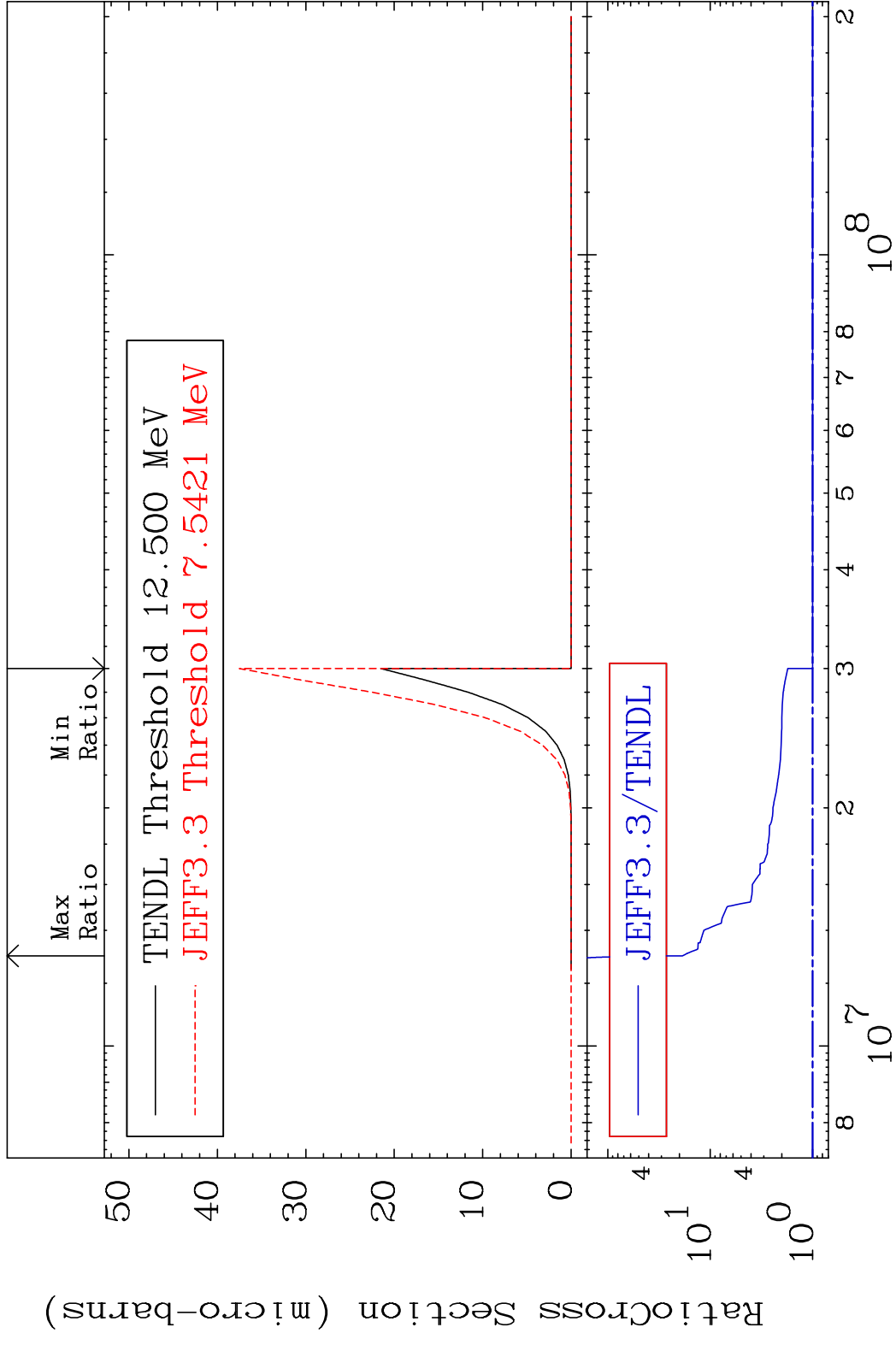
MAT 3725 (n,2p):35-Br-84g 37-Rb-85
 Radionuclide Production Cross Section 180.01 dth 321.1 %

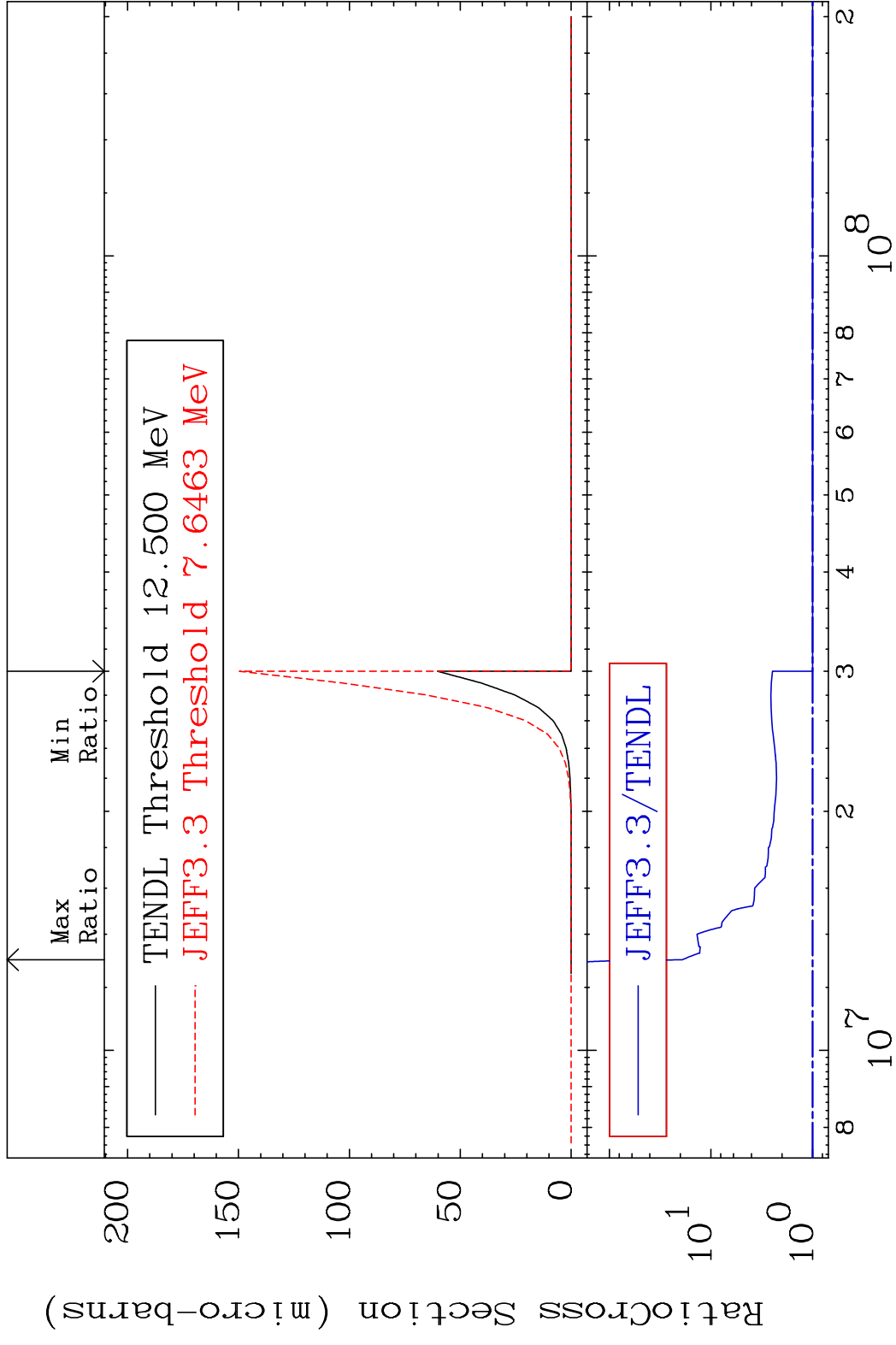


MAT 3725 (n,2p):35-Br-84m1 37-Rb-85
 Radionuclide Production Cross Section 180.01 dth 302.4 %



MAT 3725 (n, p) α :34-Se-81g 37-Rb-85
 Radionuclide Production Cross Section 1773. %





MAT 3725 (n, p) t:35-Br-82g 37-Rb-85
 Radionuclide Production Cross Section 180.0 dth 129.8 %

