

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

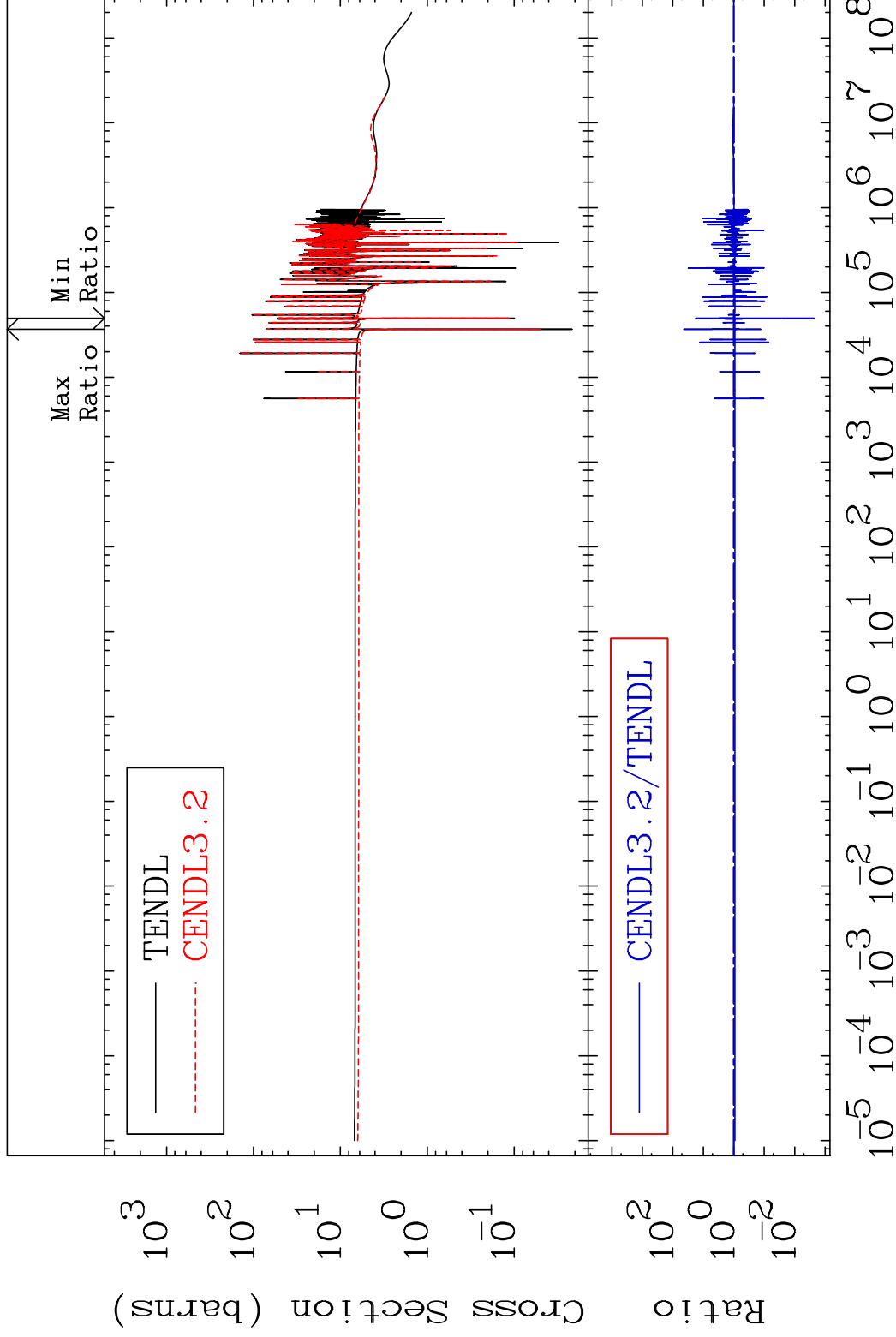
MAT 3649

Total

36-Kr-86

Cross Section

-99.77 To 4298. %



1

Incident Energy (eV)

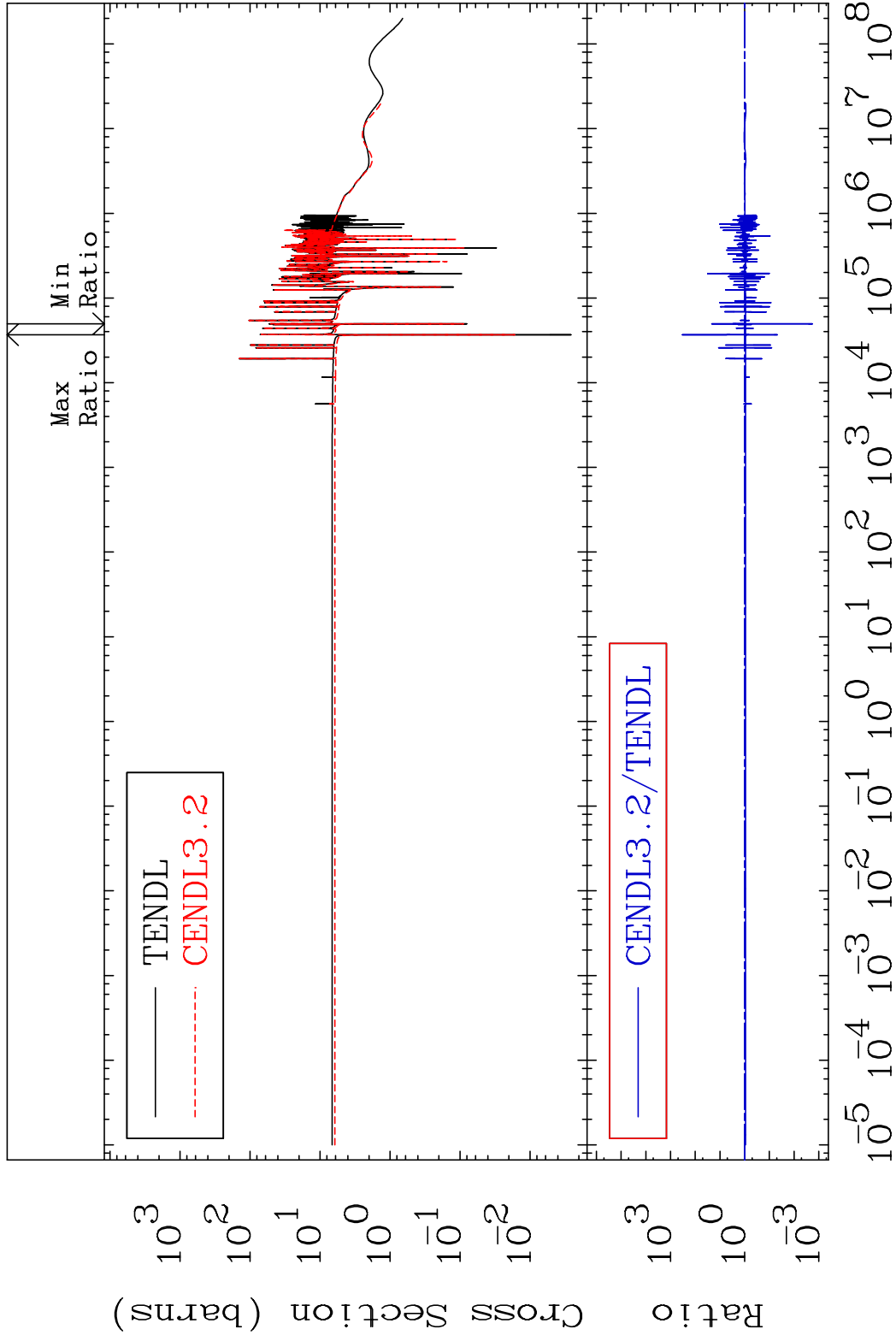
36-Kr-86

MAT 3649

Elastic

36-Kr-86

Cross Section -99.82 To 9999. %

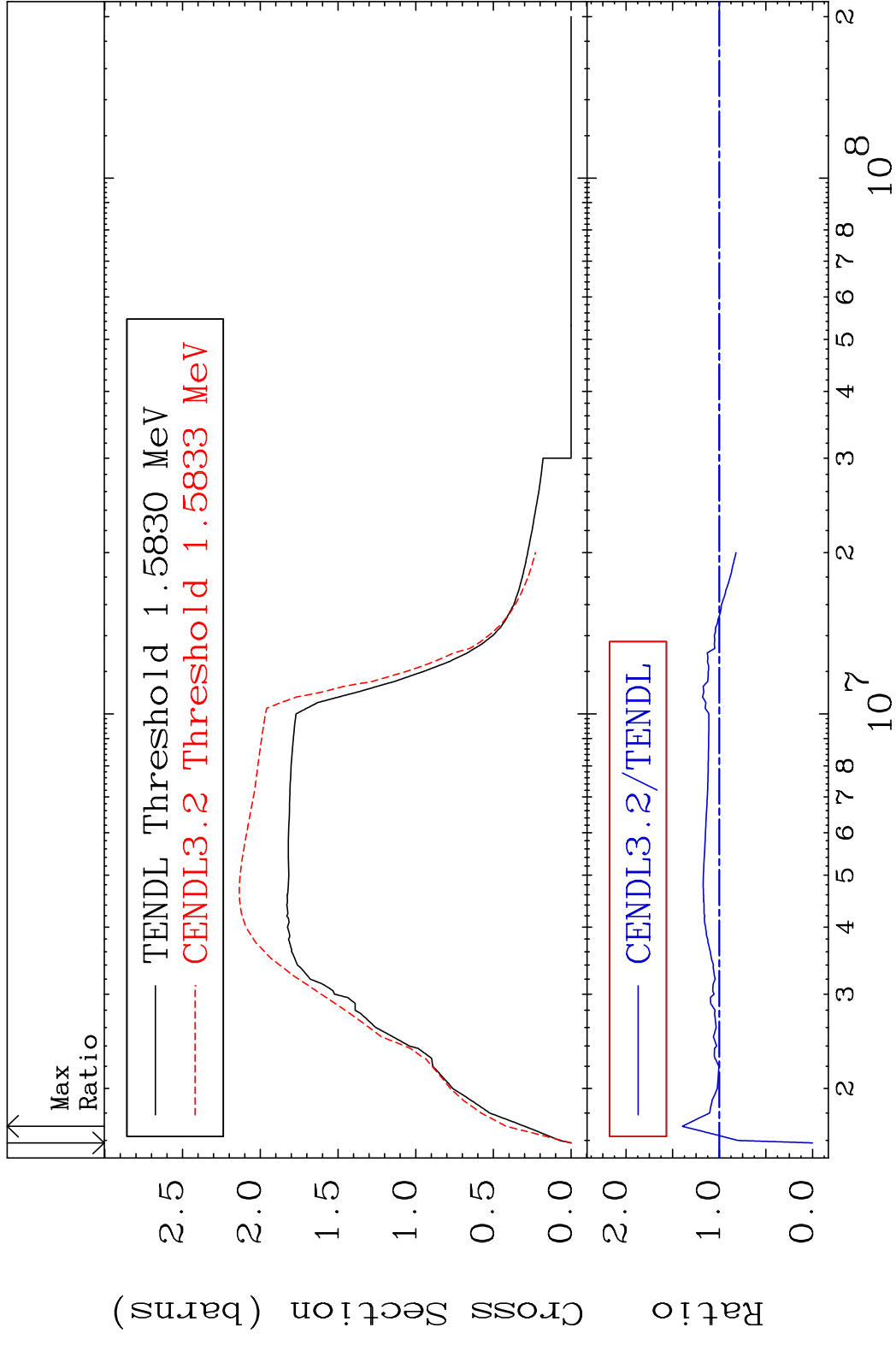


2

Incident Energy (eV)

36-Kr-86

MAT 3649 Inelastic 36-Kr-86
 Cross Section -100.0 To 39.64 %



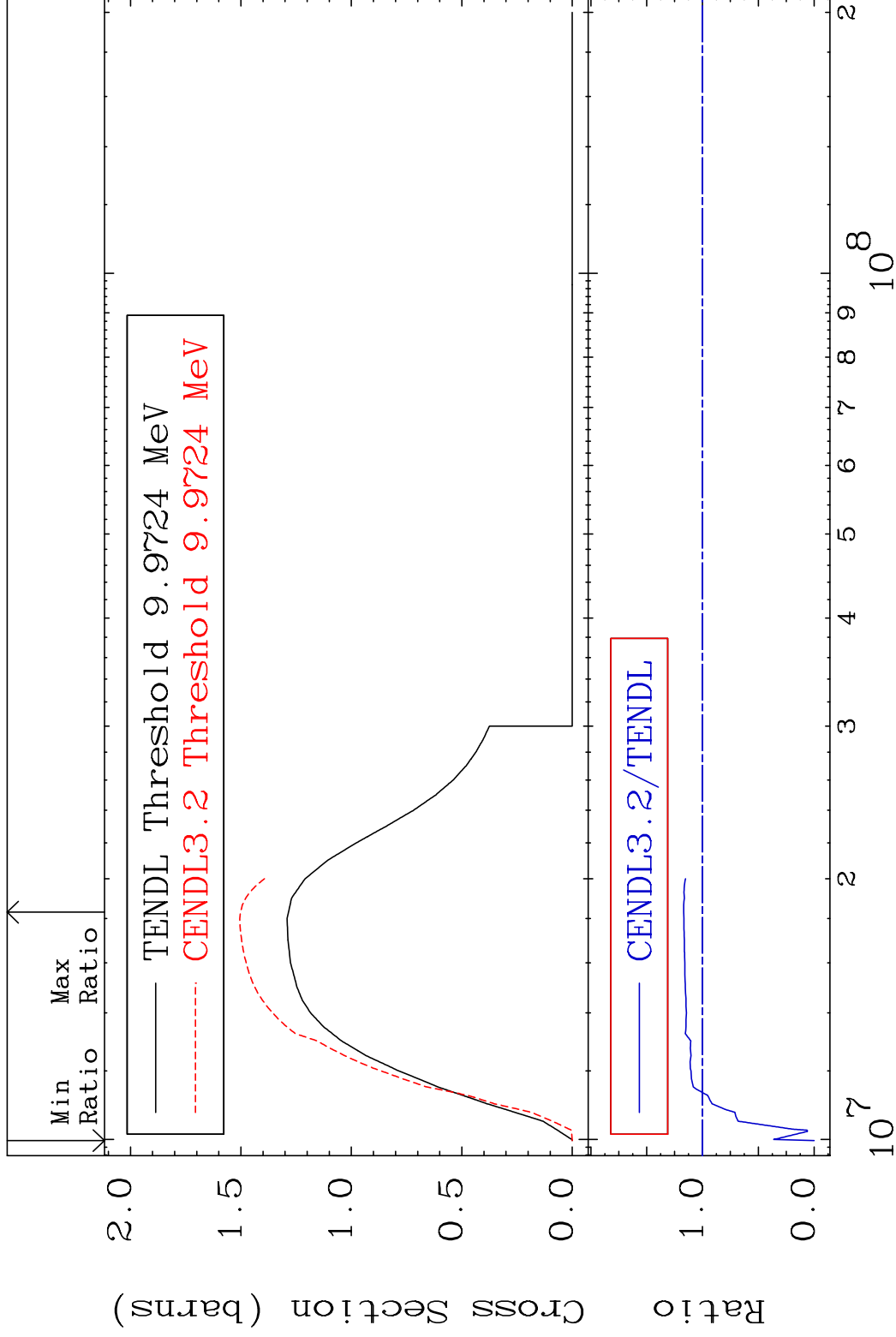
3 Incident Energy (eV) 36-Kr-86

MAT 3649

(n,2n)

36-Kr-86

Cross Section -100.0 To 16.88 %



4

Incident Energy (eV)

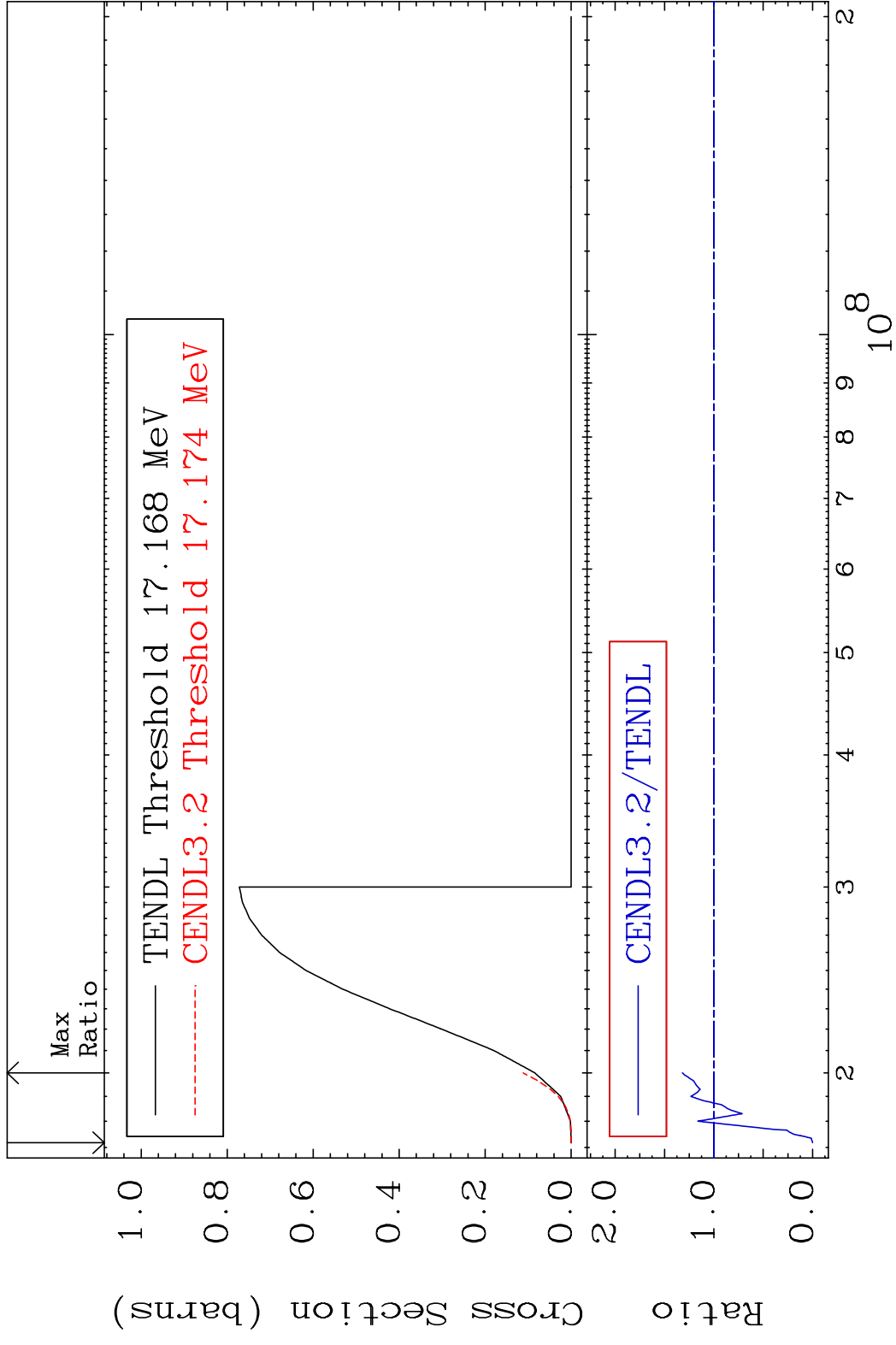
36-Kr-86

MAT 3649

(n,3n)

36-Kr-86

Cross Section -100.0 To 31.91 %



5

Incident Energy (eV)

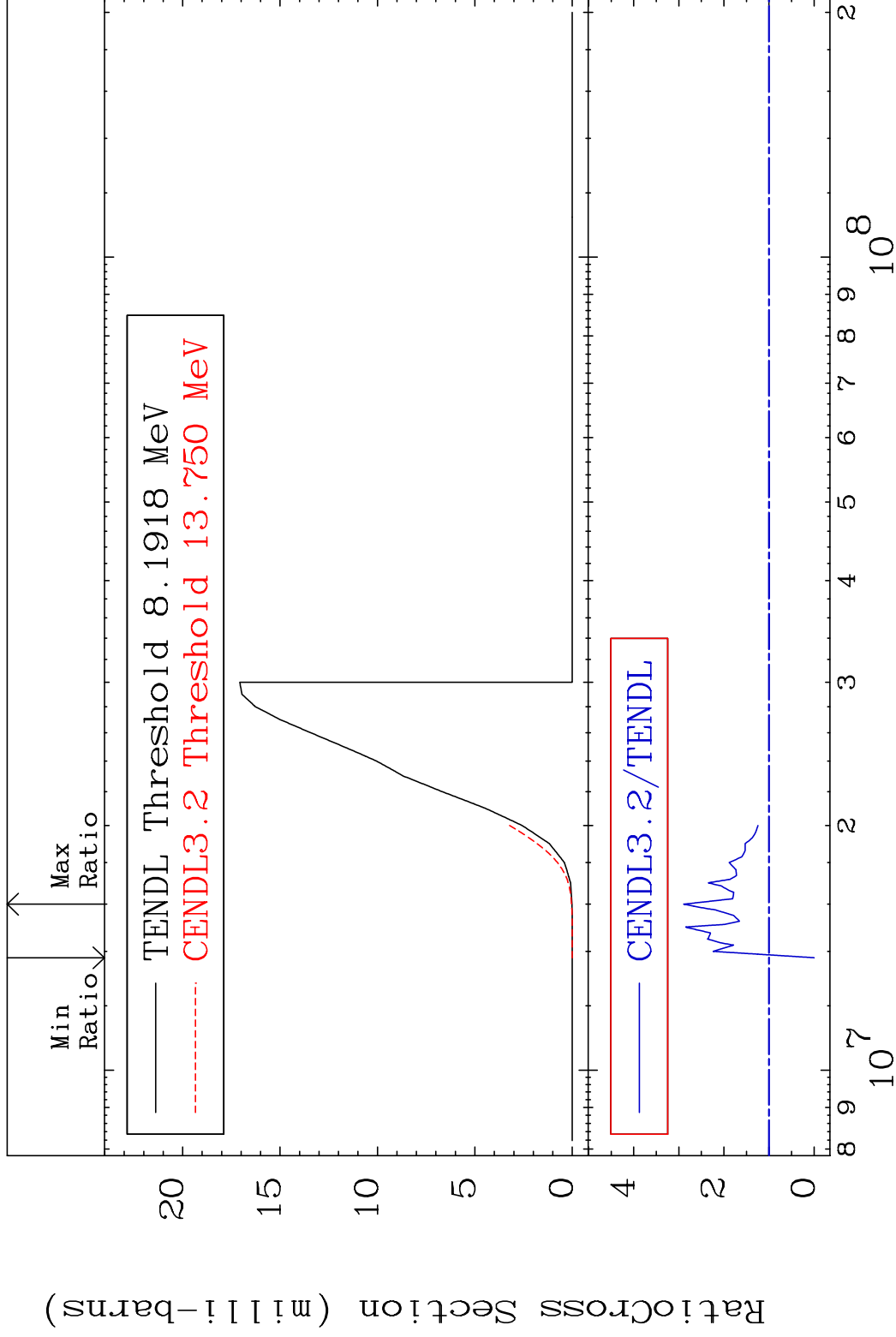
36-Kr-86

MAT 3649

(n, n') α

36-Kr-86

Cross Section -100.0 To 189.3 %



6

Incident Energy (eV)

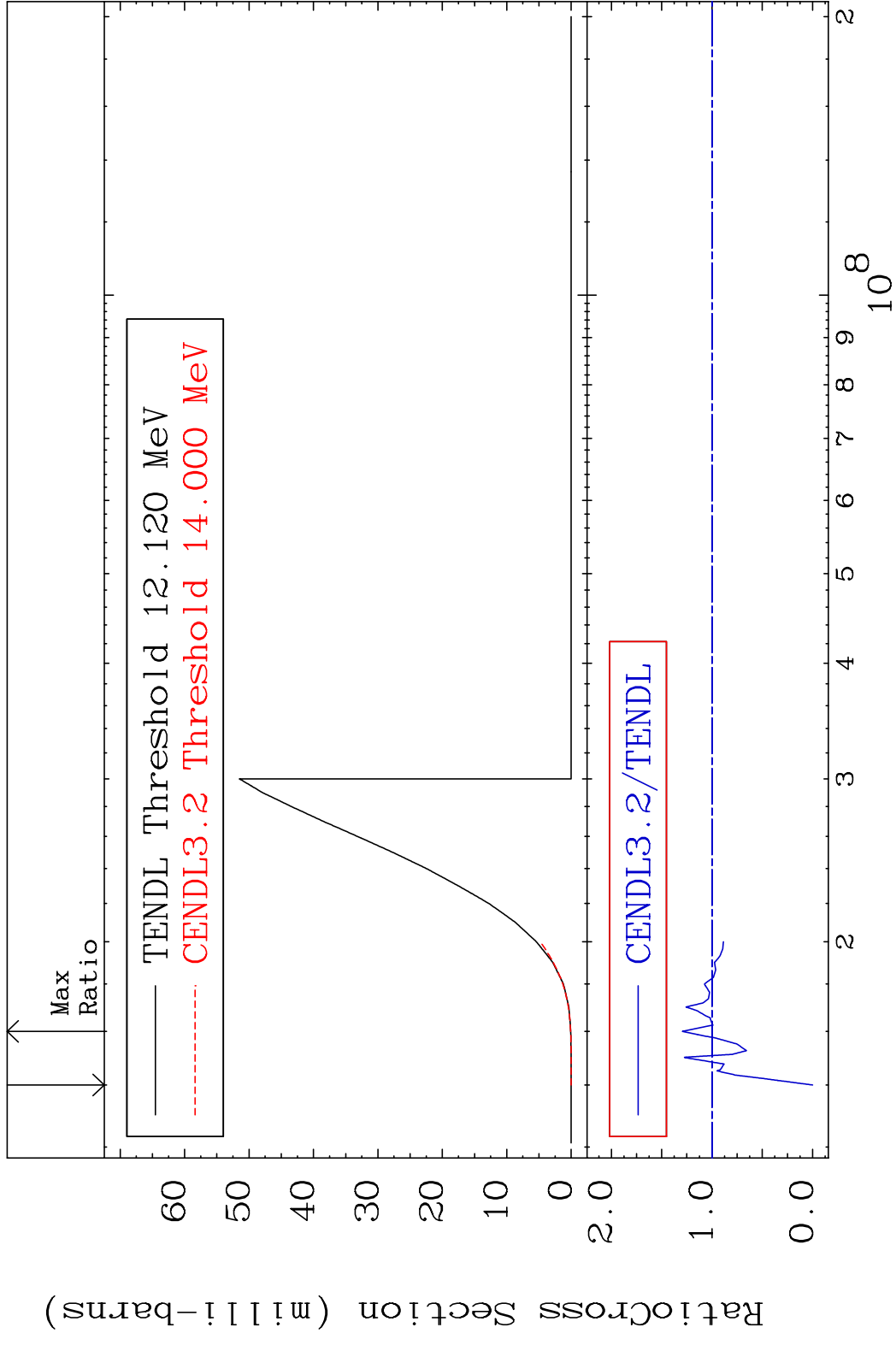
36-Kr-86

MAT 3649

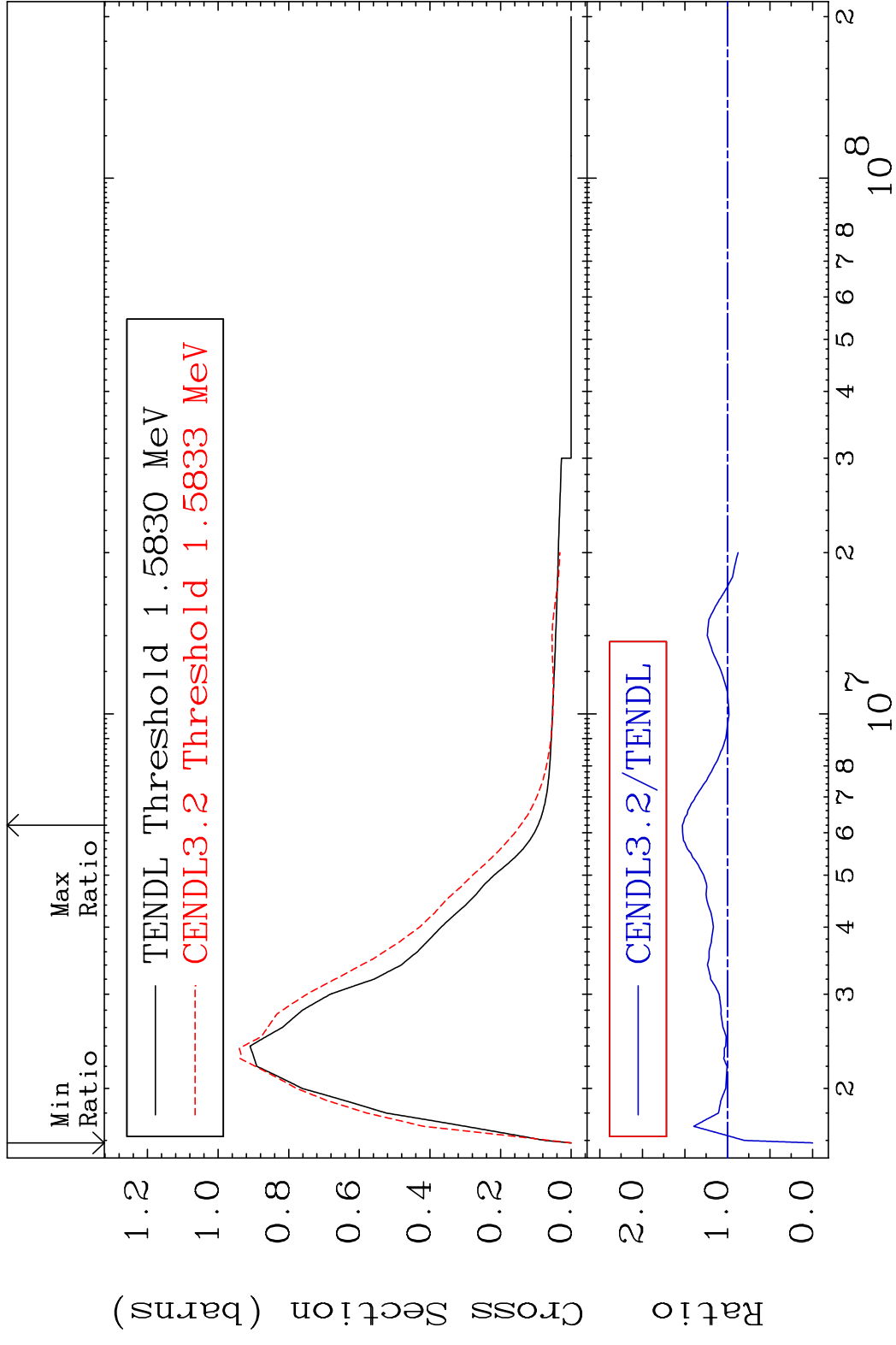
(n, n') p

36-Kr-86

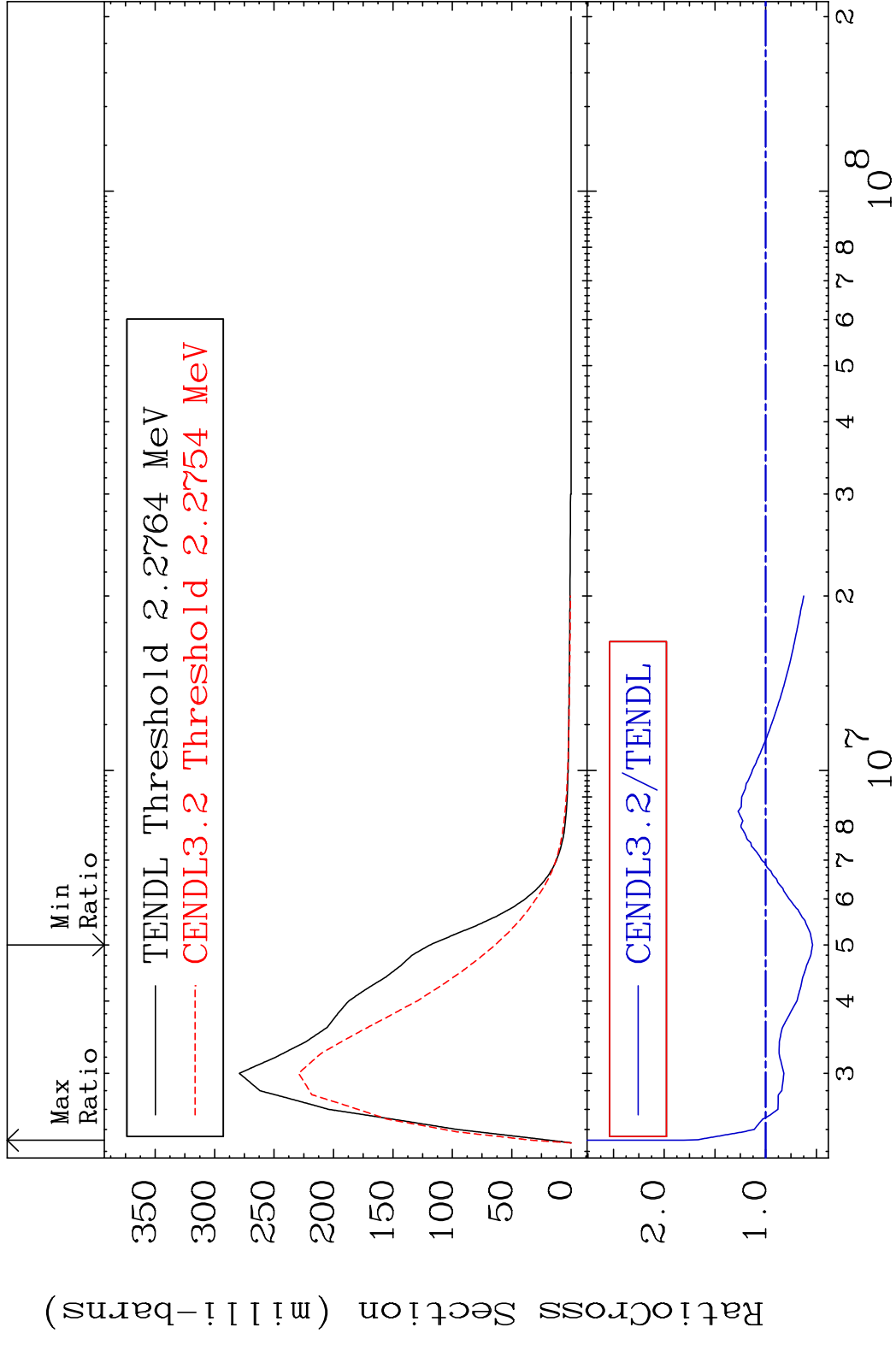
Cross Section -100.0 To 29.45 %



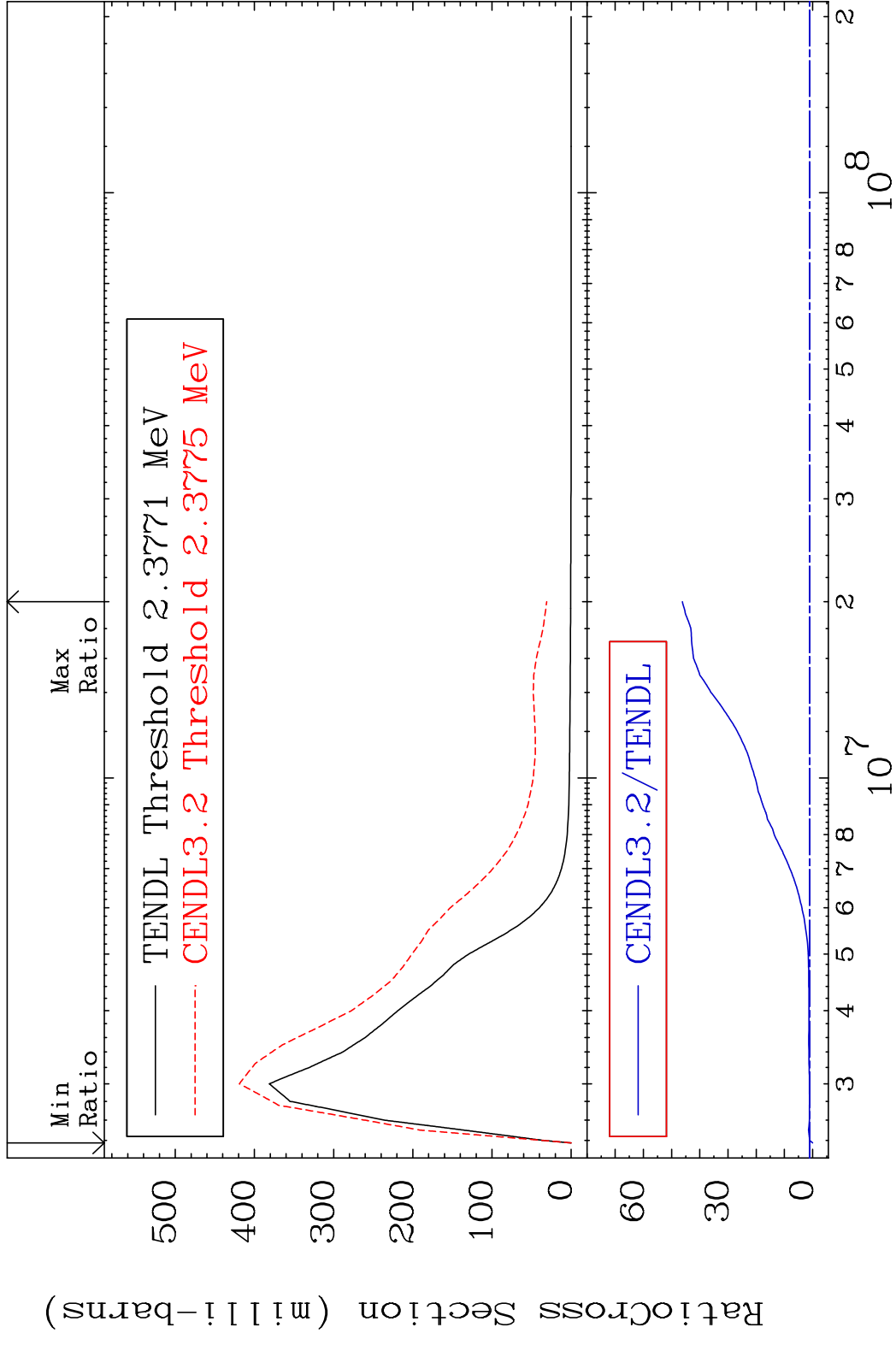
MAT 3649 MT= 51 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 53.01 %



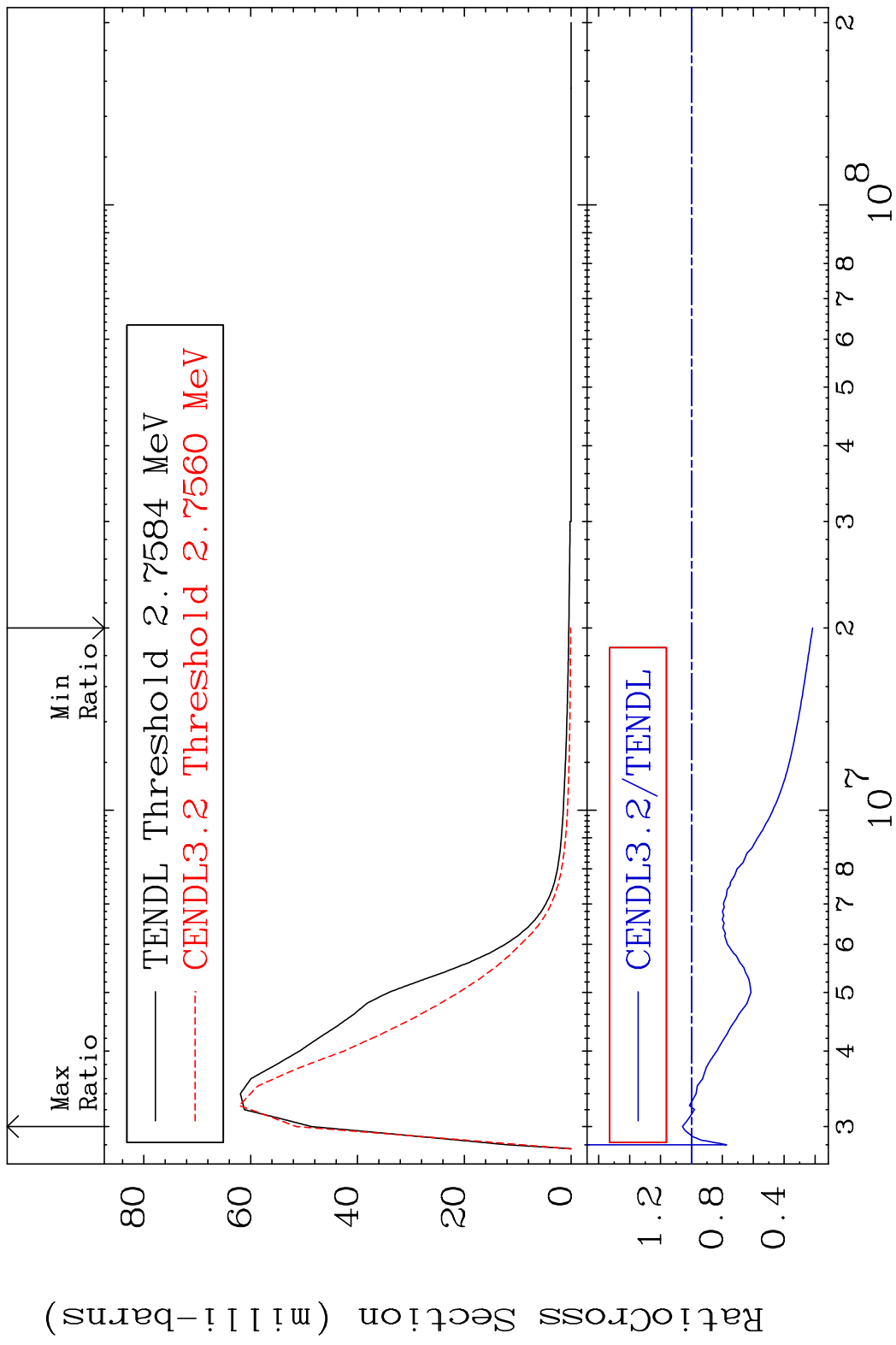
MAT 3649 MT= 52 (n,n') Level 36-Kr-86
 Cross Section -46.19 To 82.11 %



MAT 3649 MT= 53 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 4519. %

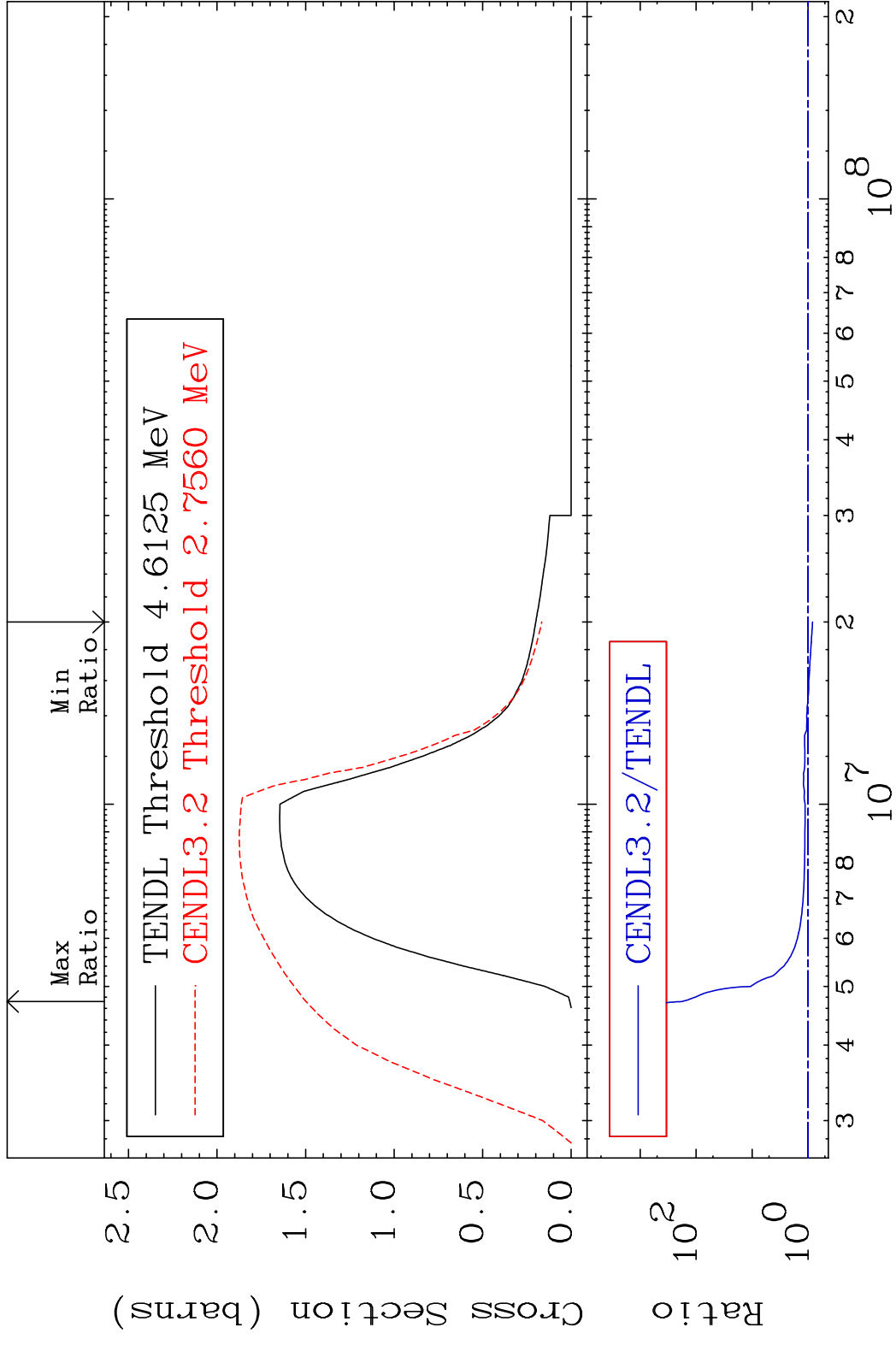


MAT 3649 MT= 54 (n, n') Level 36-Kr-86
 Cross Section -78.36 To 5.905 %



11 Incident Energy (eV) 36-Kr-86

MAT 3649 (n, n') Continuum 36-Kr-86
 Cross Section -16.72 To 9999. %

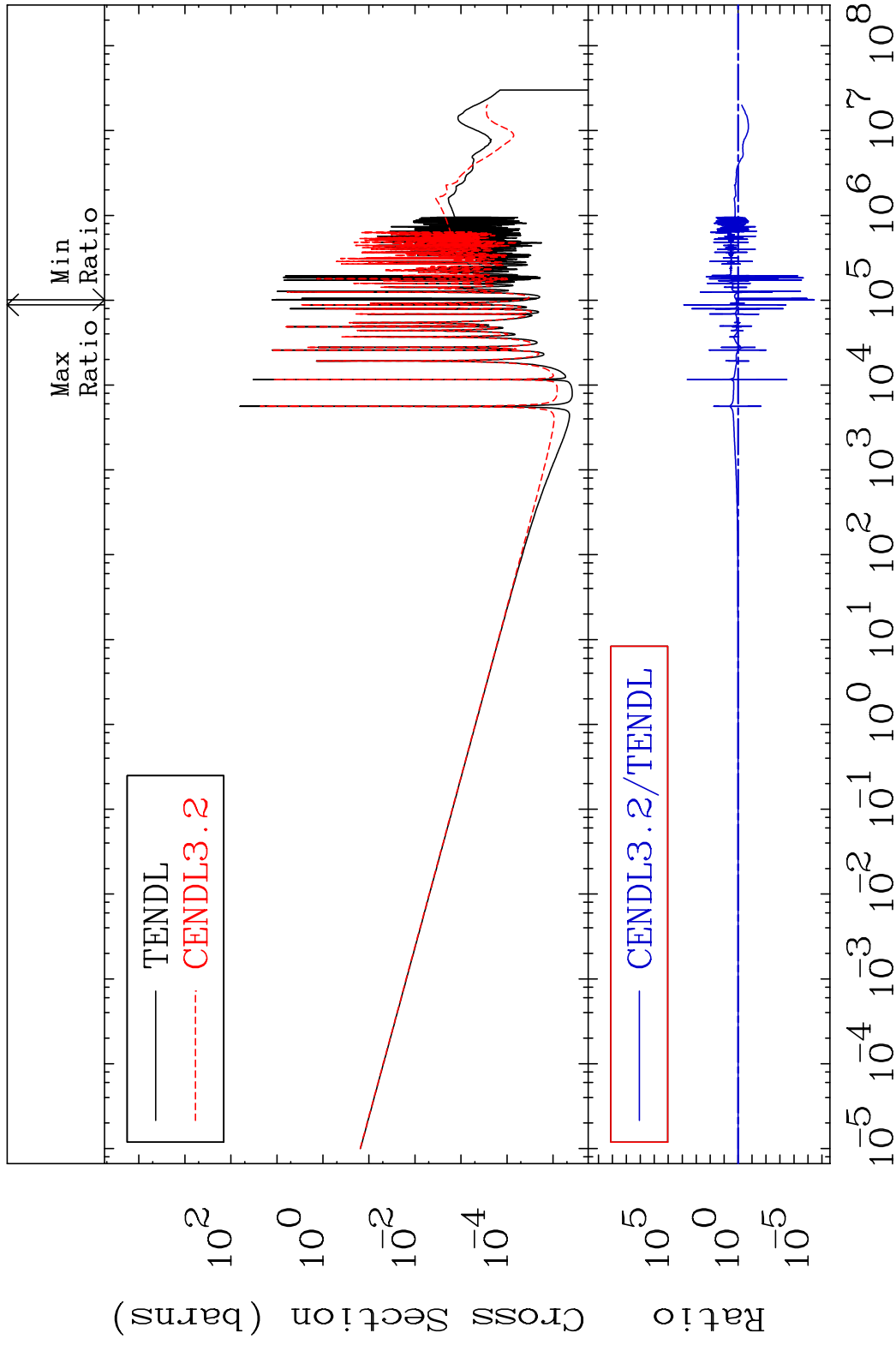


MAT 3649

(n, γ)

36-Kr-86

Cross Section -100.0 To 9999. %

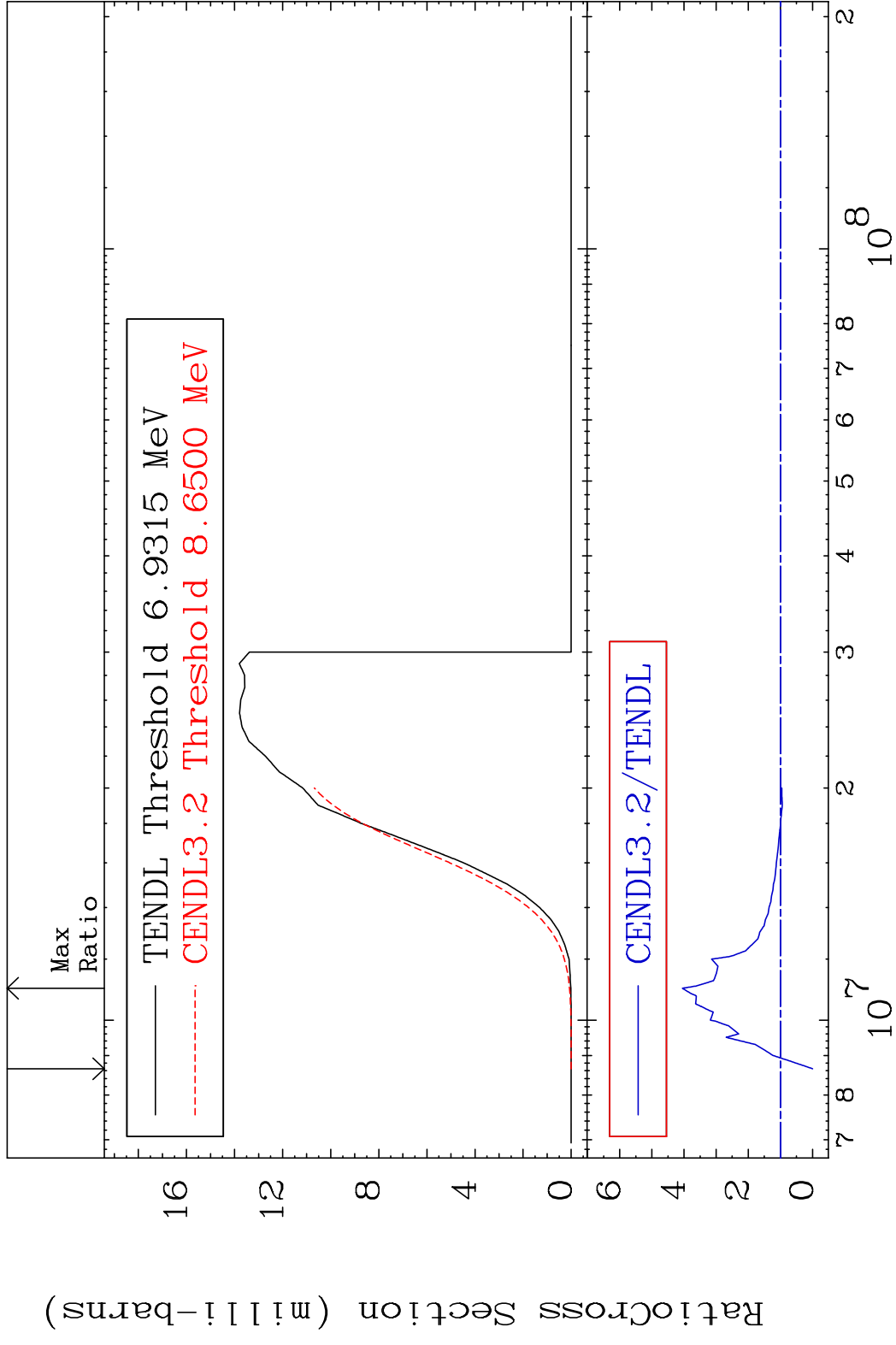


13

Incident Energy (eV)

36-Kr-86

MAT 3649 (n,p) 36-Kr-86
 Cross Section -100.0 To 305.1 %



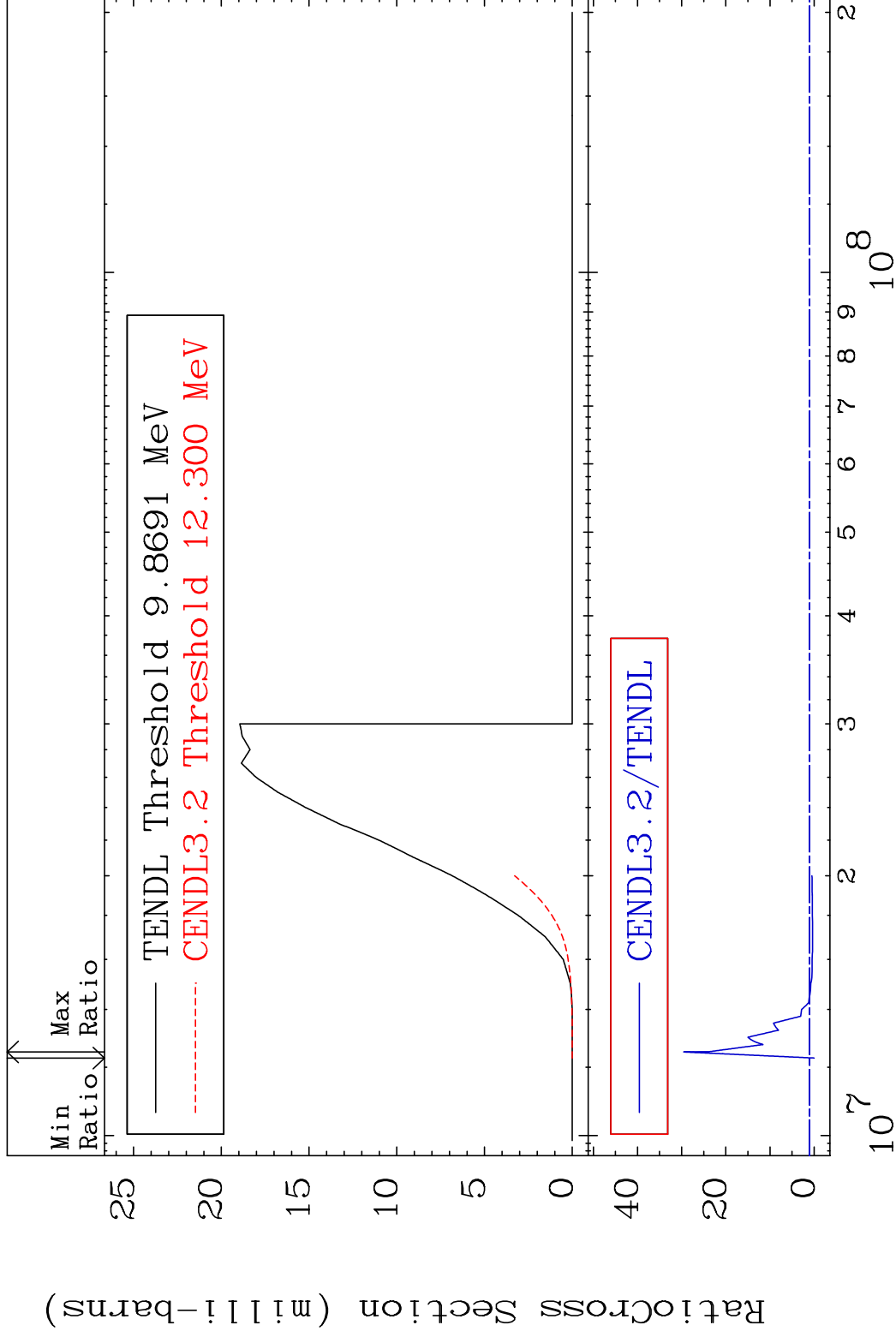
14 14 Incident Energy (eV) 36-Kr-86

MAT 3649

(n, d)

36-Kr-86

Cross Section -100.0 To 2855. %



15

Incident Energy (eV)

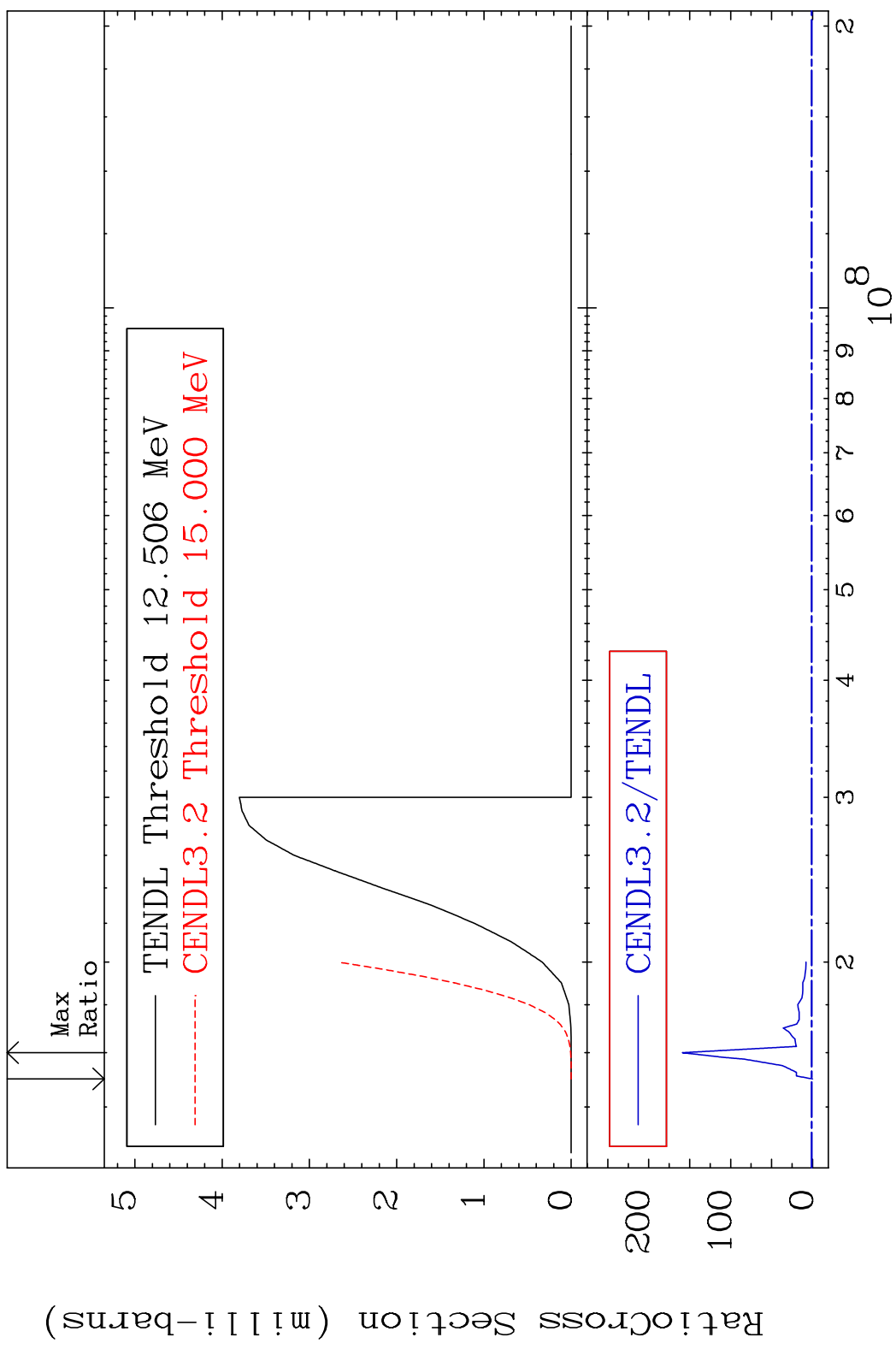
36-Kr-86

MAT 3649

(n, t)

36-Kr-86

Cross Section -100.0 To 9999. %

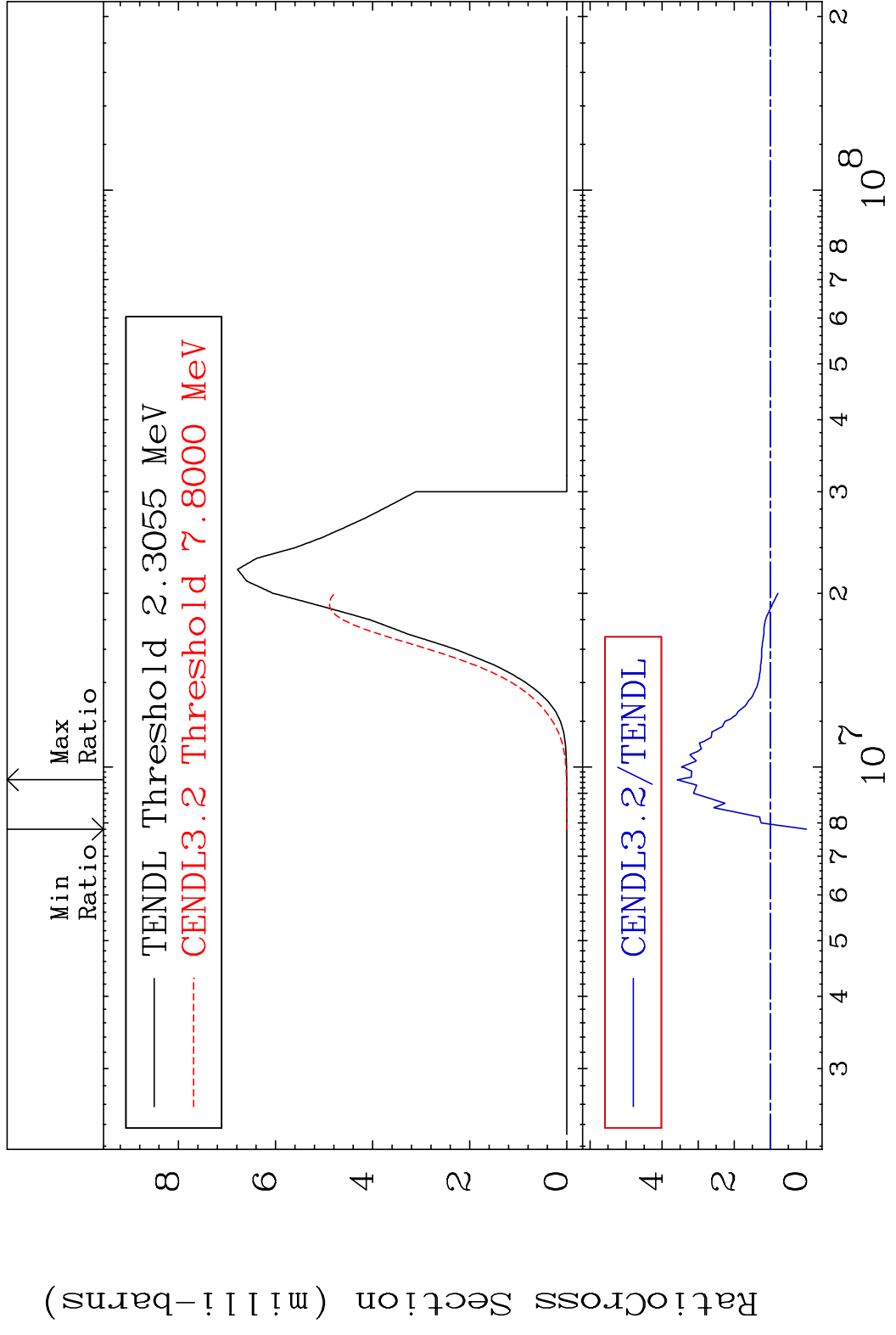


16

Incident Energy (eV)

36-Kr-86

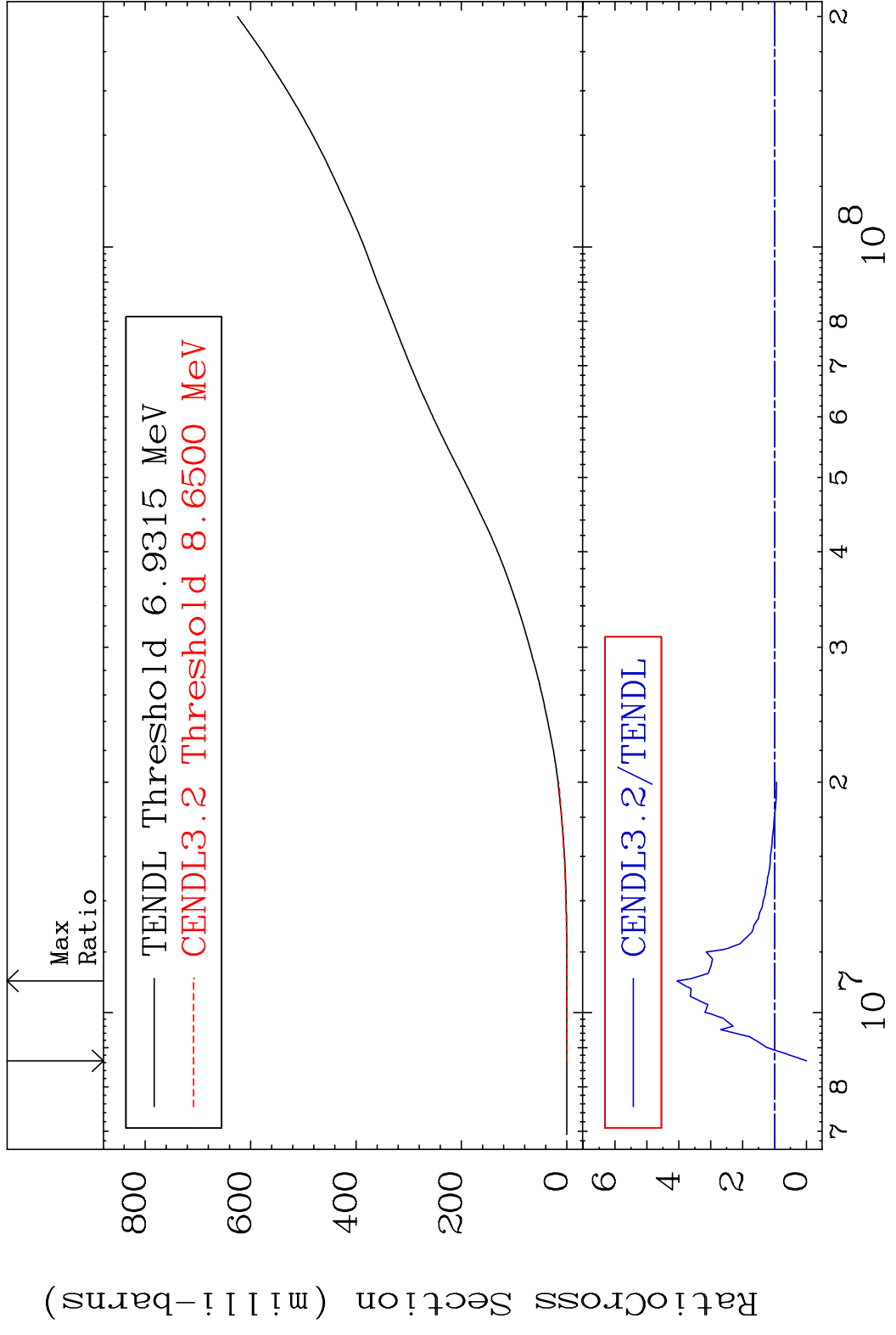
MAT 3649 (n, α) 36-Kr-86
 Cross Section -100.0 To 258.2 %



MAT 3649

Hydrogen Production
Cross Section -100.0 To 305.1 %

36-Kr-86



18

Incident Energy (eV)

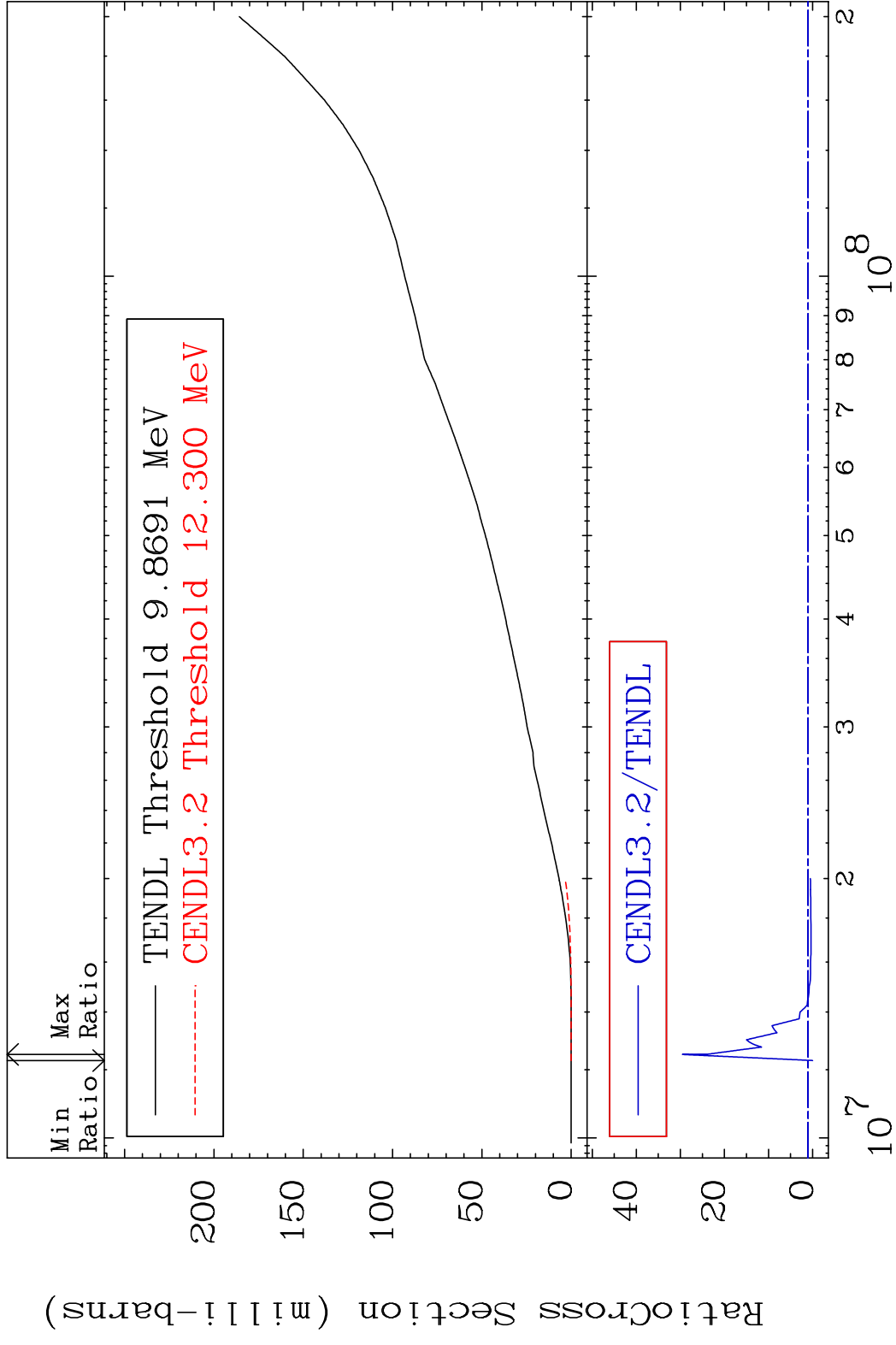
36-Kr-86

MAT 3649

Deuterium Production

36-Kr-86

Cross Section -100.0 To 2855. %

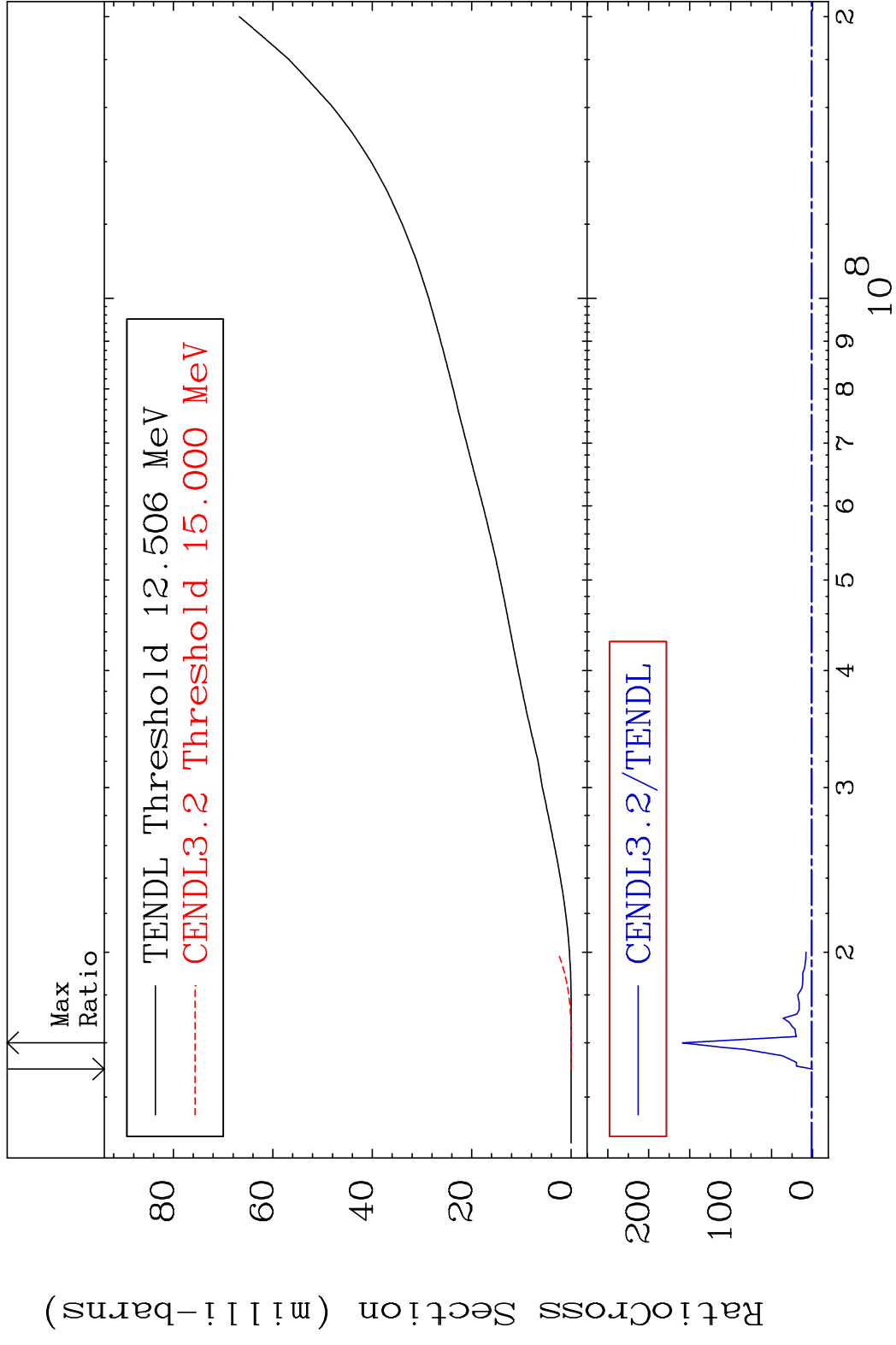


19

Incident Energy (eV)

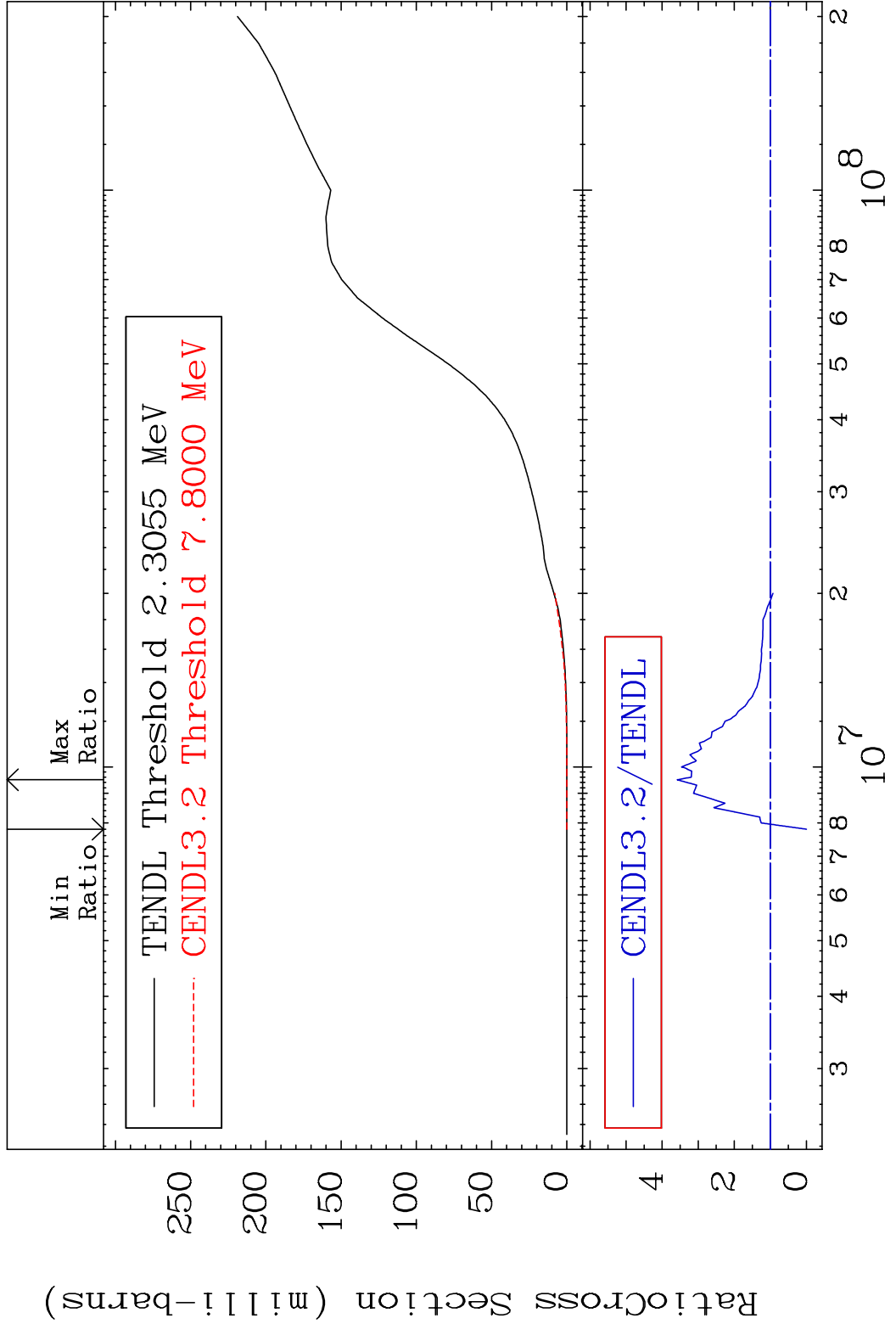
36-Kr-86

MAT 3649 Tritium Production 36-Kr-86
 Cross Section -100.0 To 9999. %

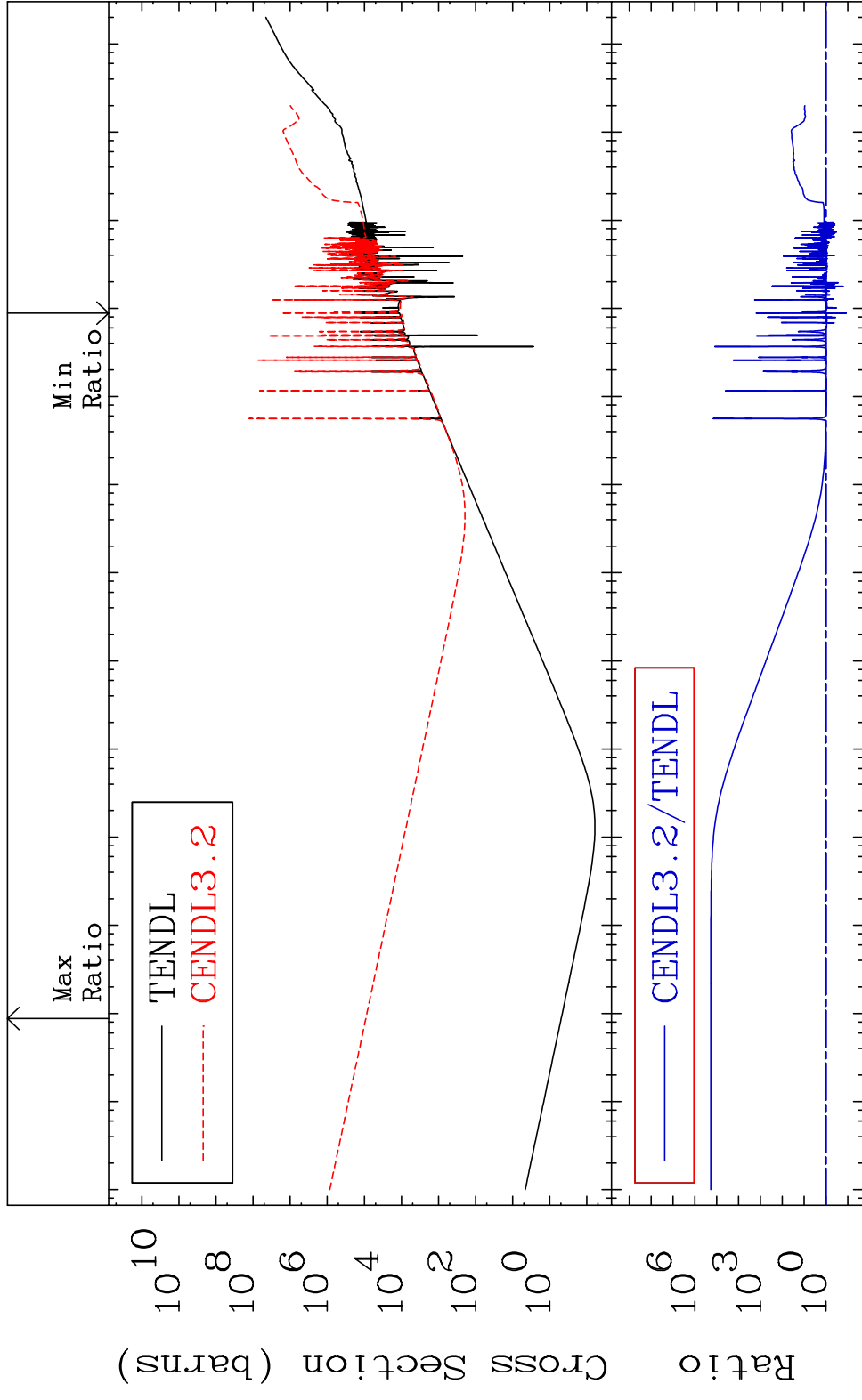


20 Incident Energy (eV) 36-Kr-86

MAT 3649 He-4 Production 36-Kr-86
 Cross Section -100.0 To 258.2 %



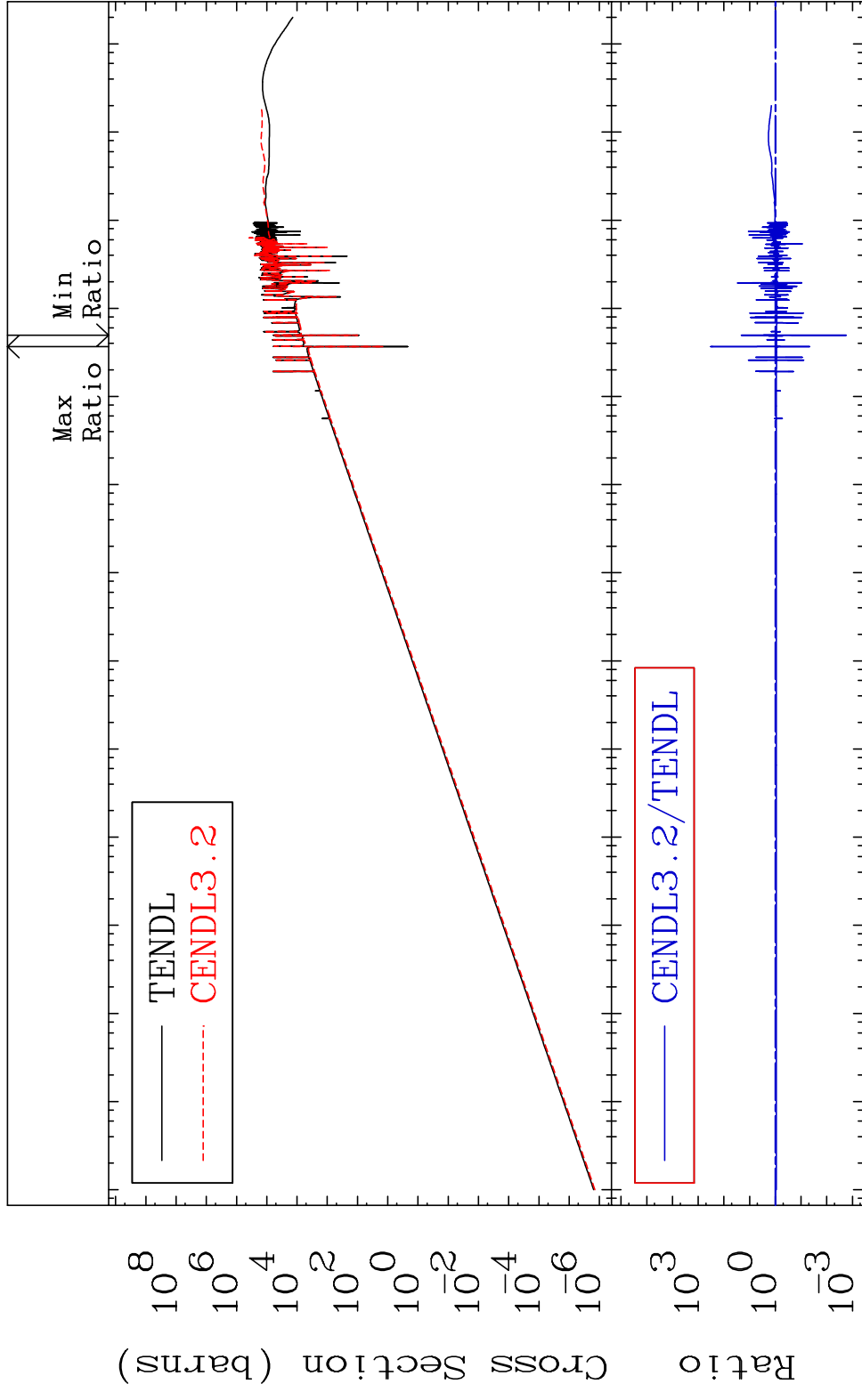
MAT 3649 Kerma total (eV-barns) 36-Kr-86
 Cross Section -88.44 To 9999. %



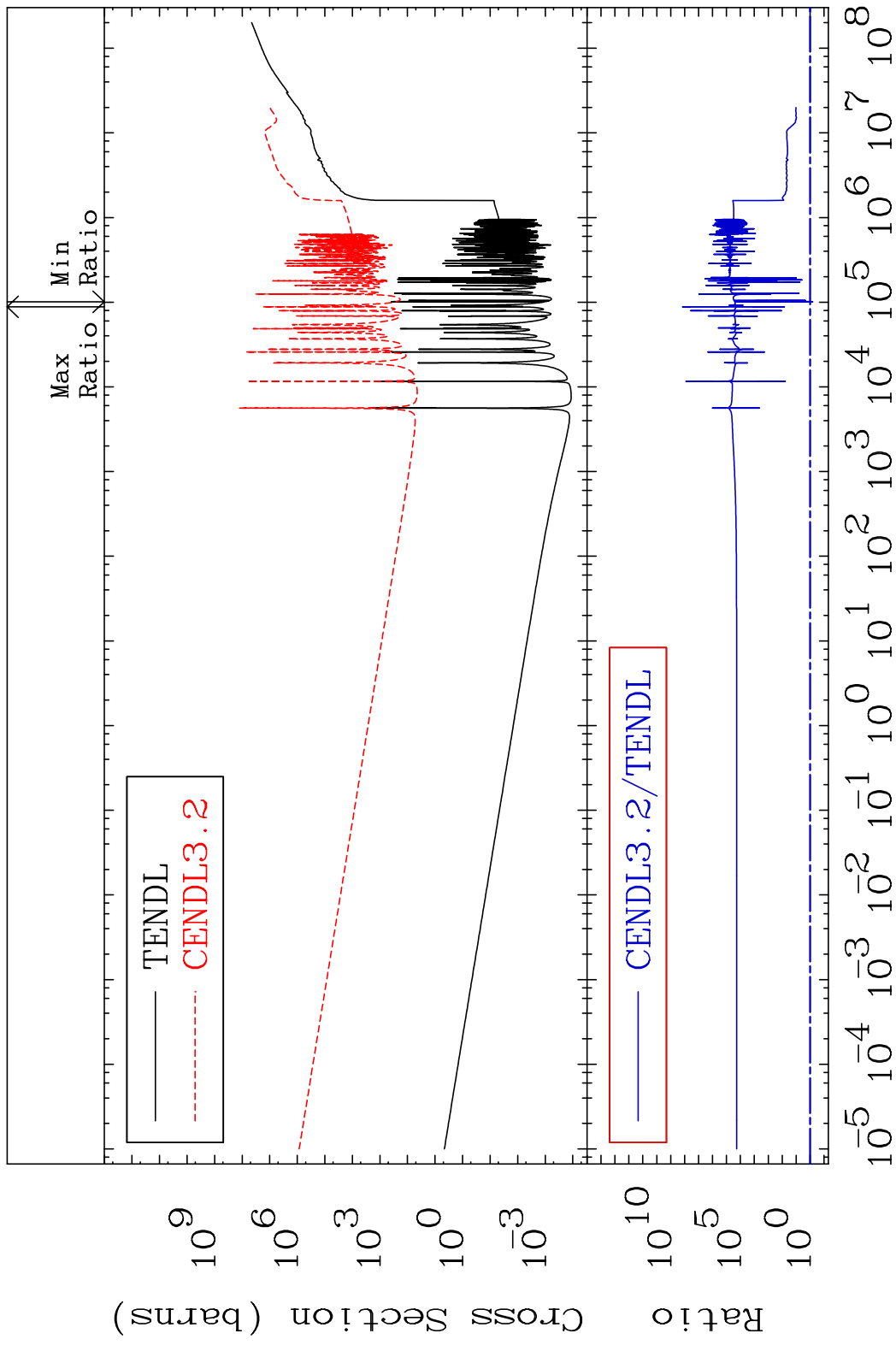
MAT 3649

Kerma elastic
Cross Section

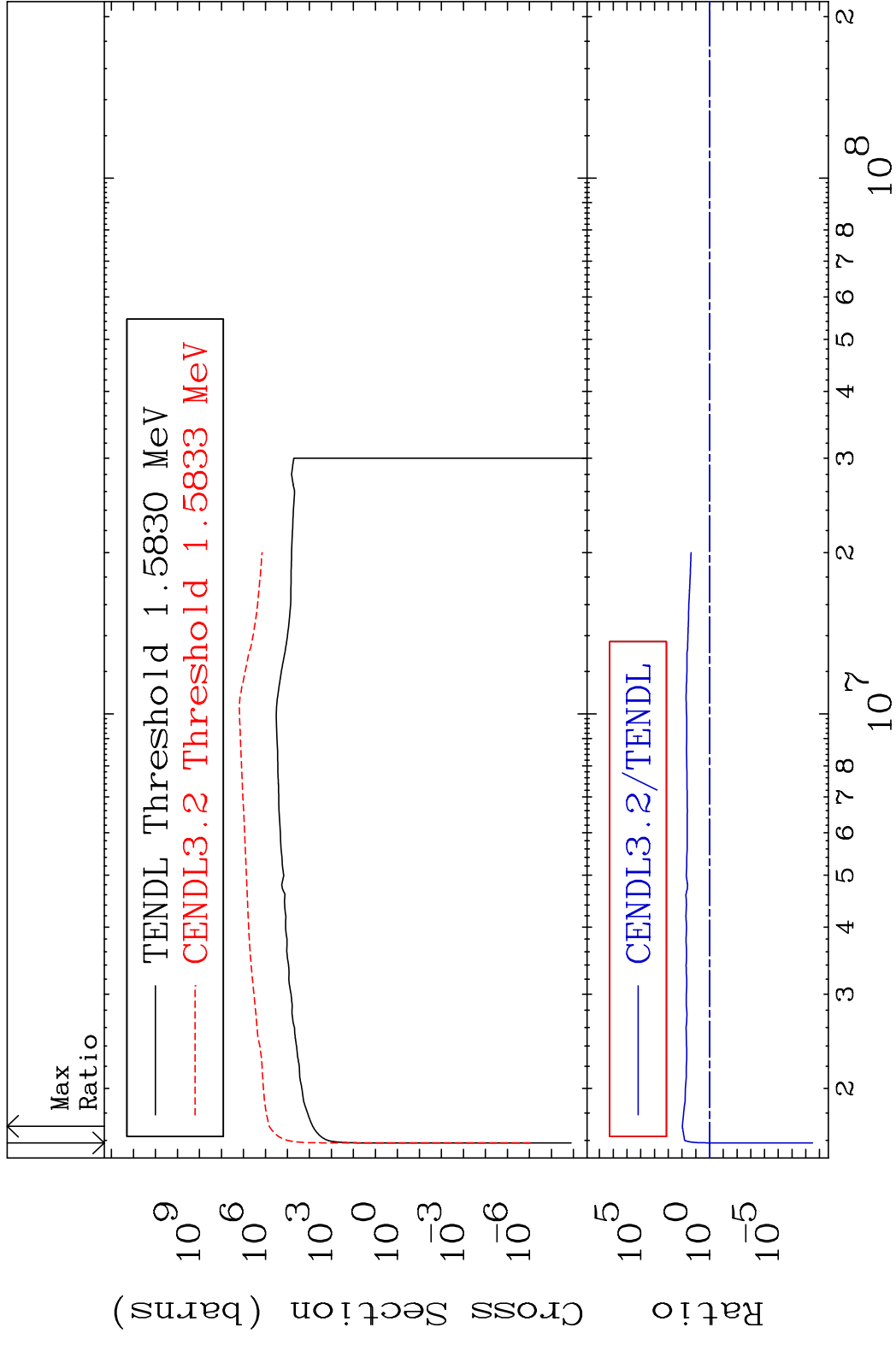
36-Kr-86
-99.83 To 9999. %



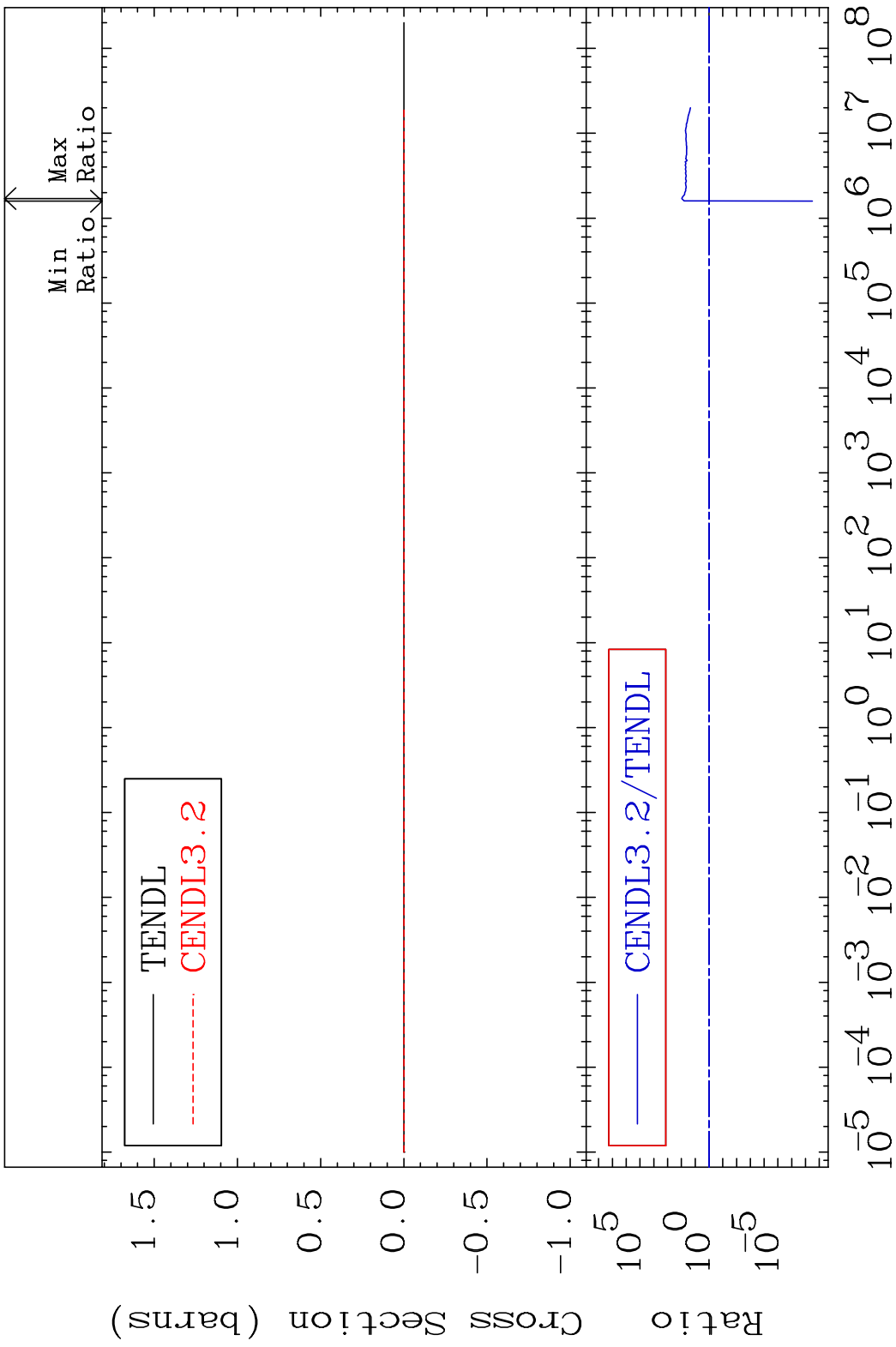
MAT 3649 Kerma non-elastic (all but mt2) 36-Kr-86
 Cross Section -33.76 To 9999. %



MAT 3649 Kerma inelastic (mt51-91) 36-Kr-86
 Cross Section -100.0 To 9328. %

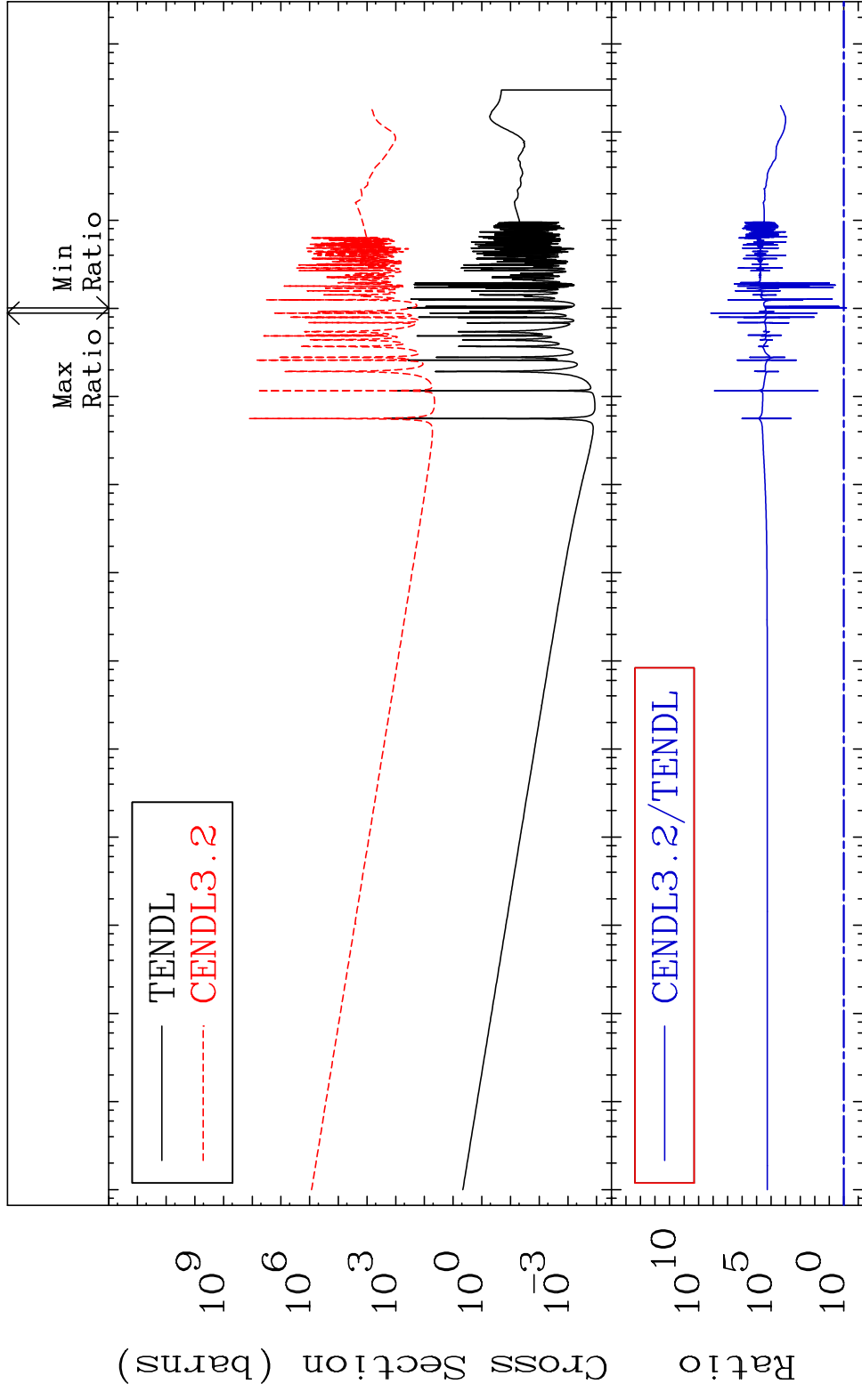


MAT 3649 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-86
 Cross Section -100.0 To 9328. %

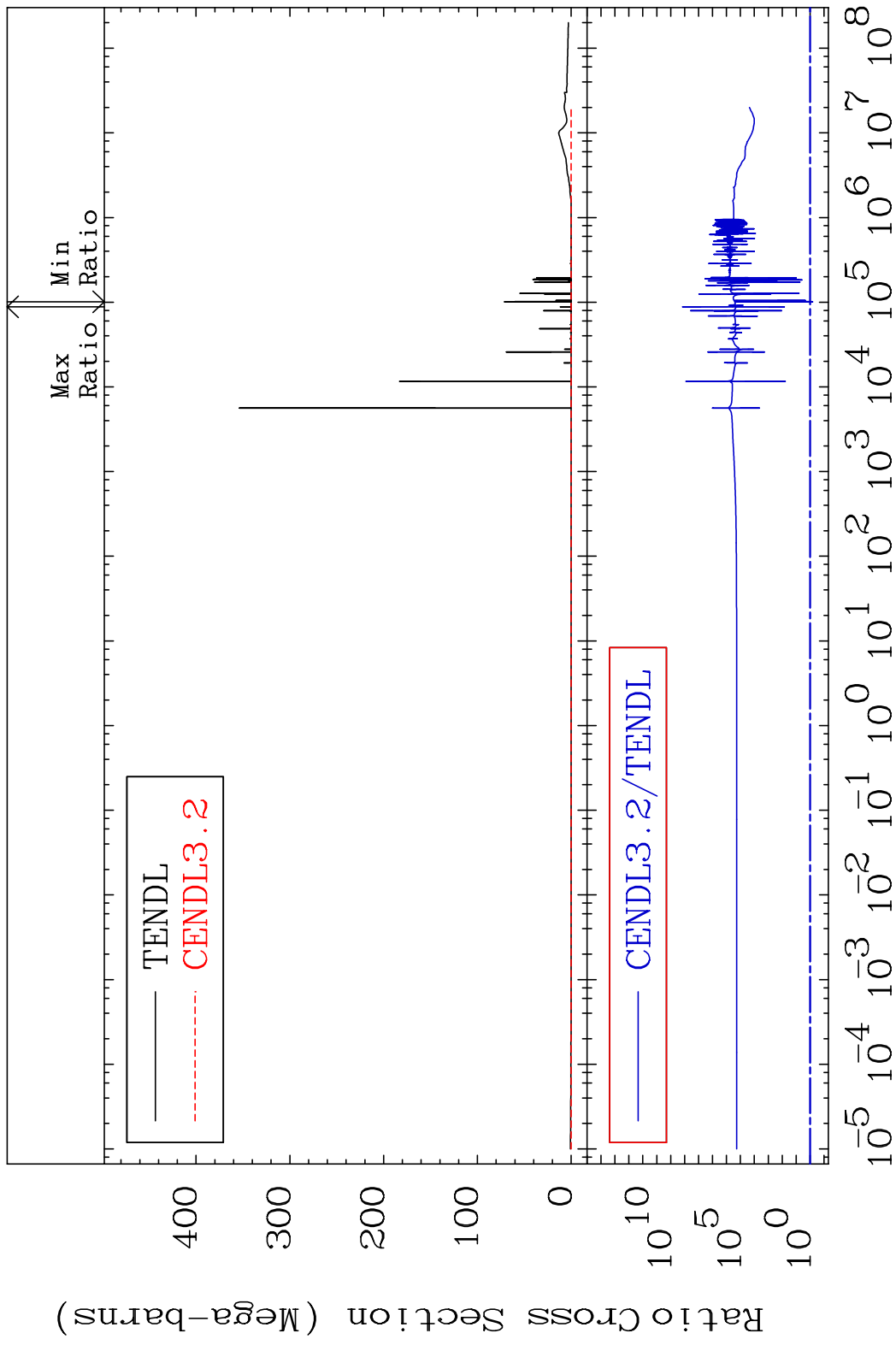


MAT 3649

Kerma capture (mt102) 36-Kr-86
Cross Section -33.76 To 9999. %

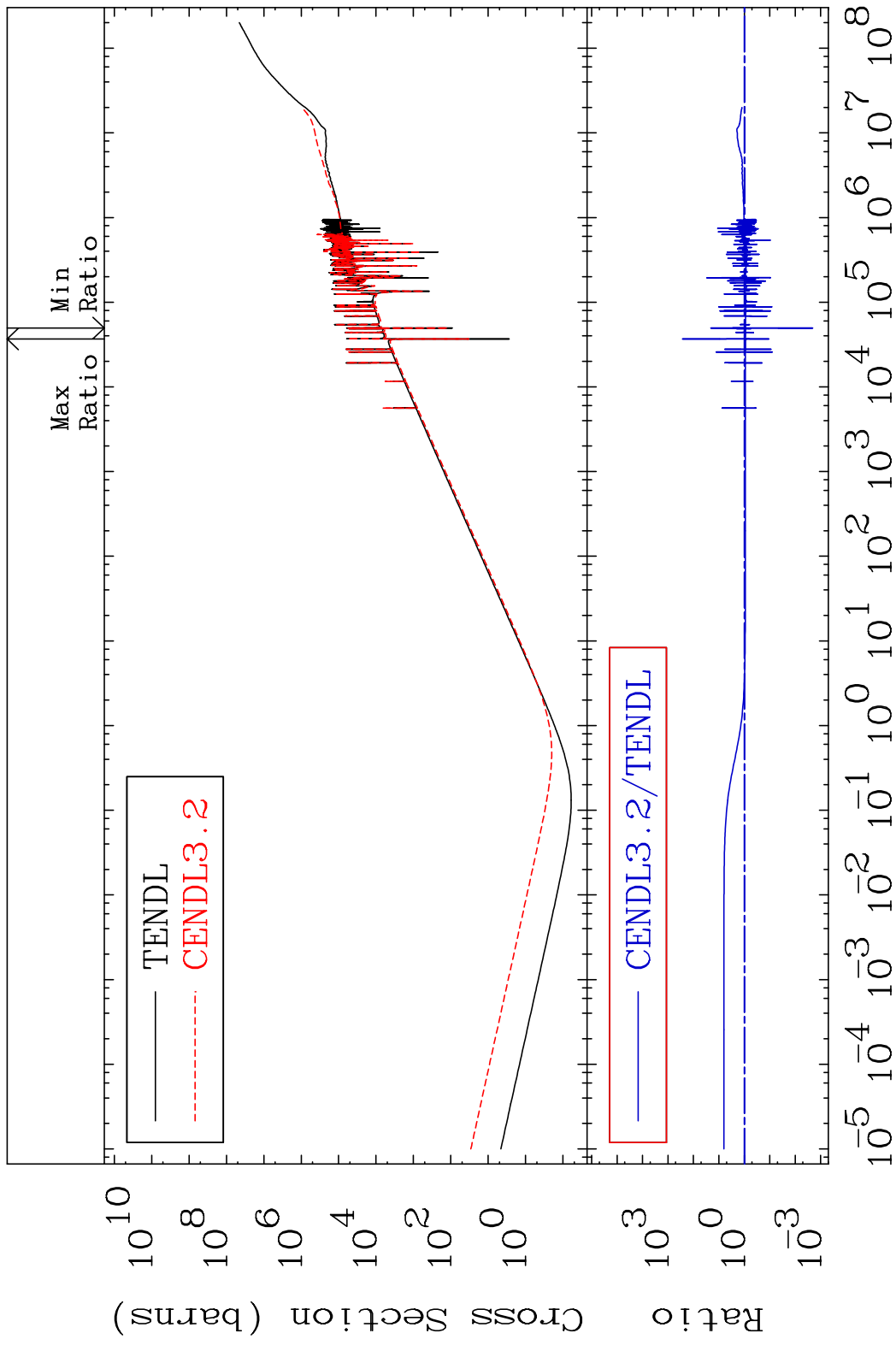


MAT 3649 Total photon (eV-barns) 36-Kr-86
 Cross Section -33.76 To 9999. %

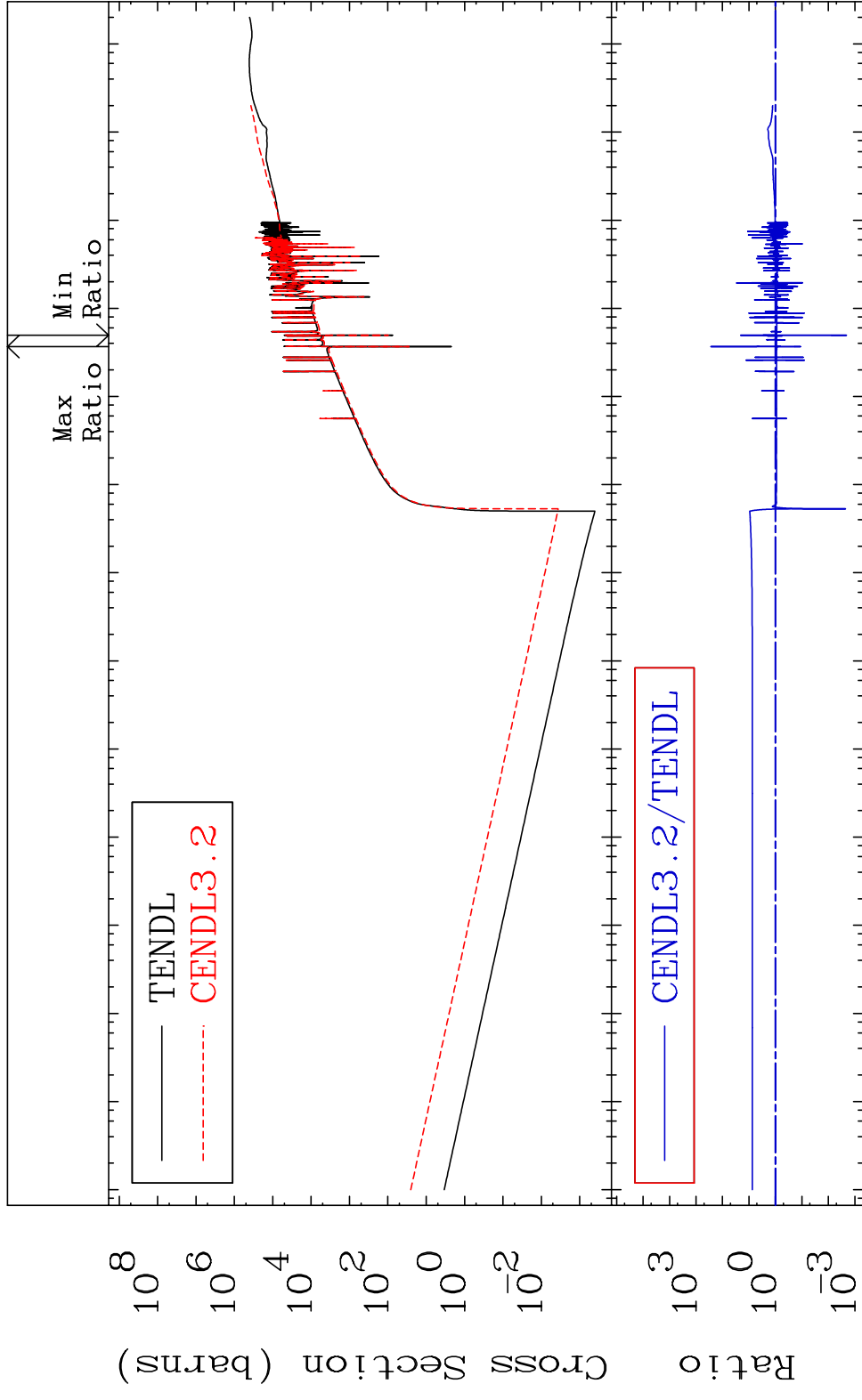


28 Incident Energy (eV) 36-Kr-86

MAT 3649 Total kinematic kerma (high limit) 36-Kr-86
 Cross Section -99.79 To 9999. %



MAT 3649 Dpa total (eV-barns) 36-Kr-86
 Cross Section -99.79 To 9999. %



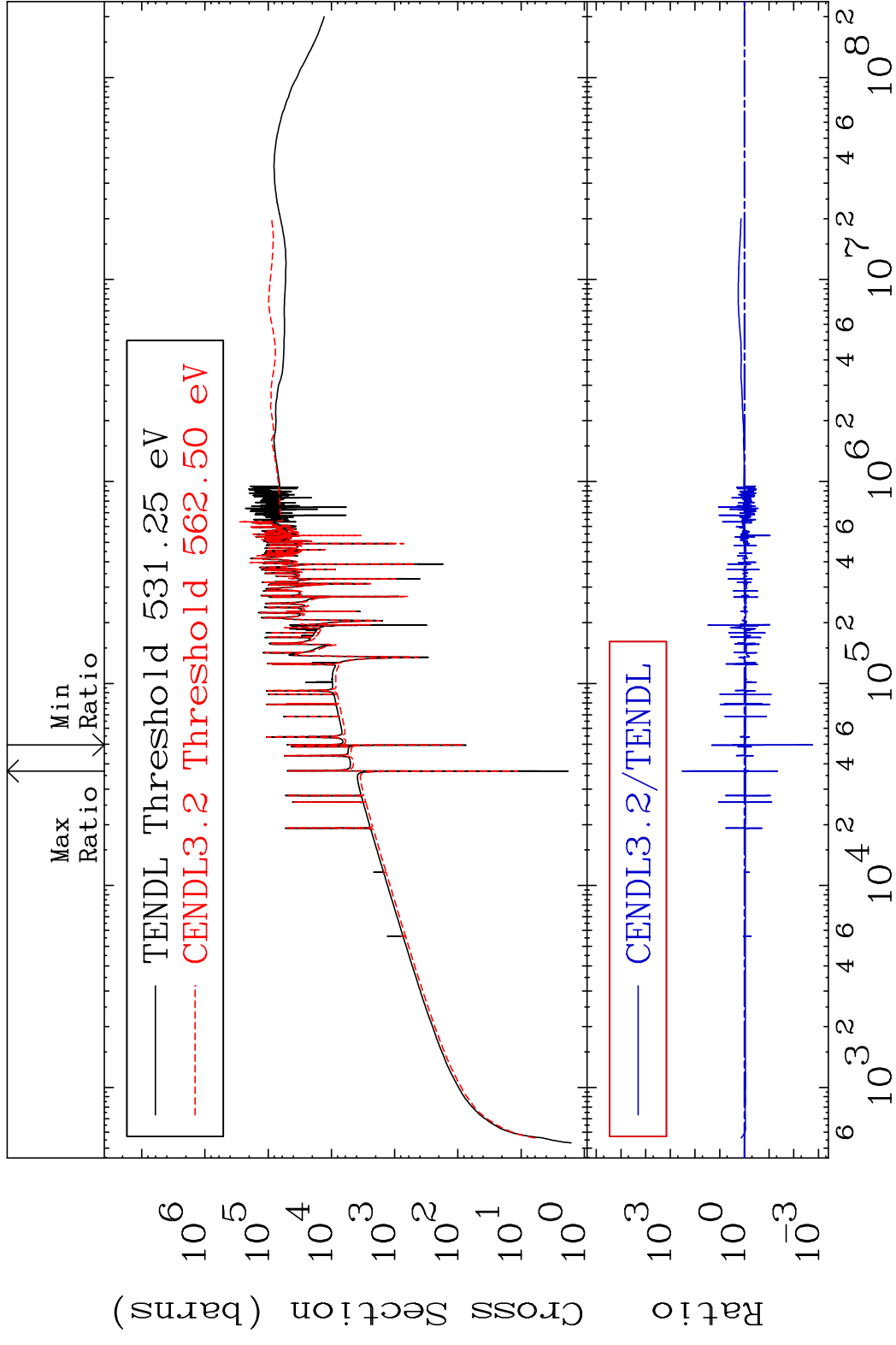
30 Incident Energy (eV) 36-Kr-86

MAT 3649

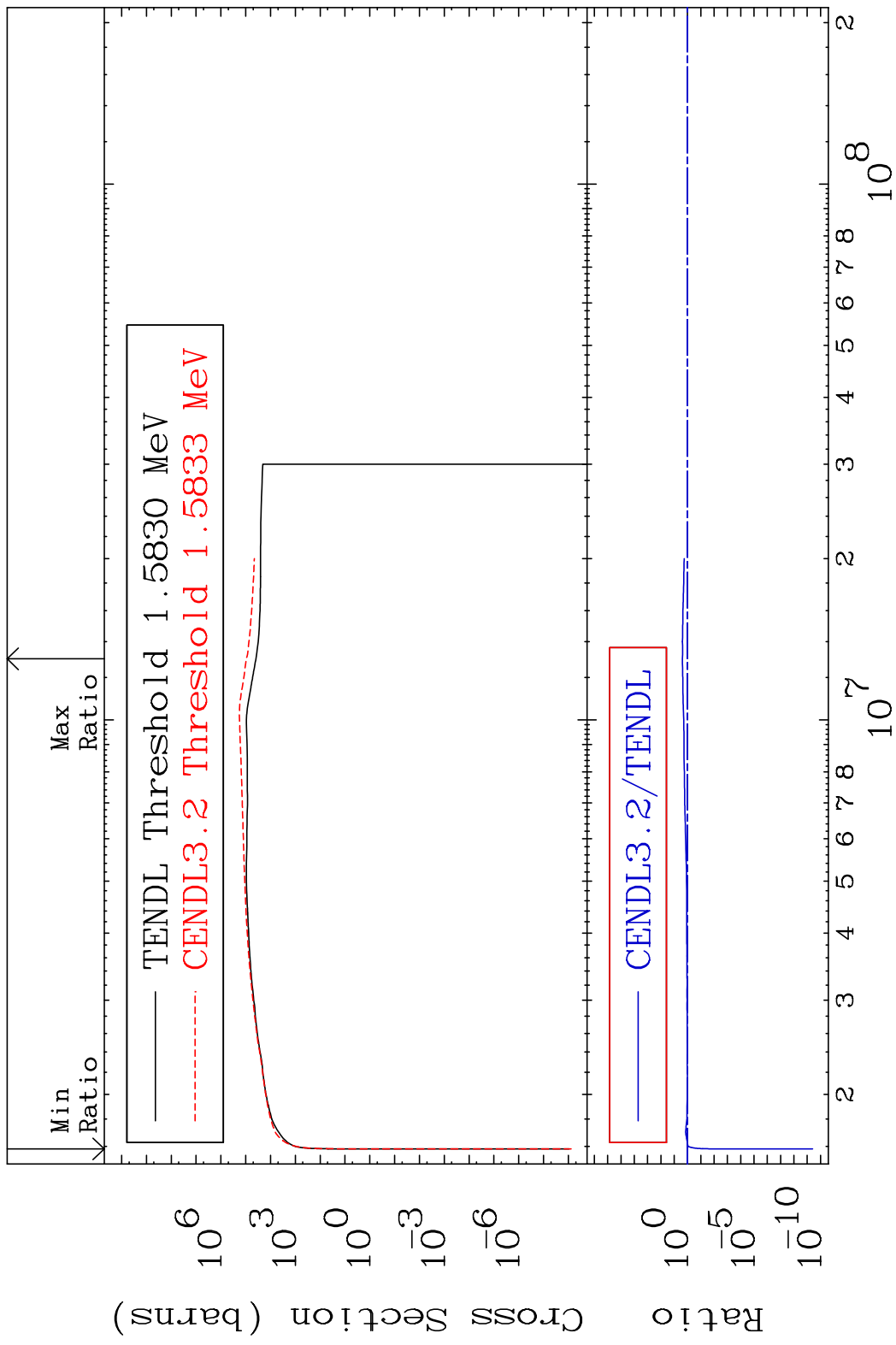
Dpa elastic (mt2)

36-Kr-86

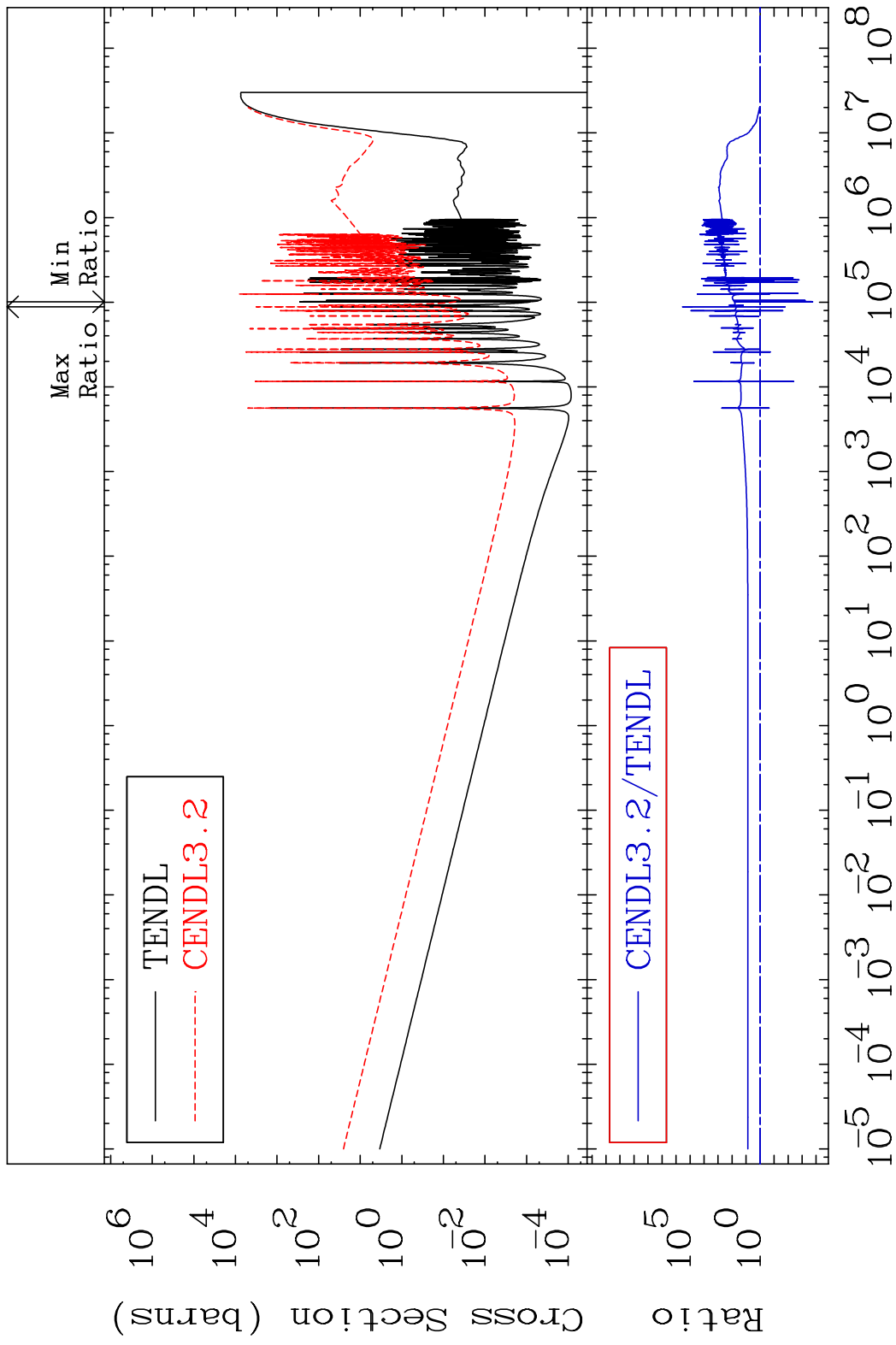
Cross Section -99.83 To 9999. %



MAT 3649 Dpa inelastic (mt51-91) 36-Kr-86
 Cross Section -100.0 To 143.6 %



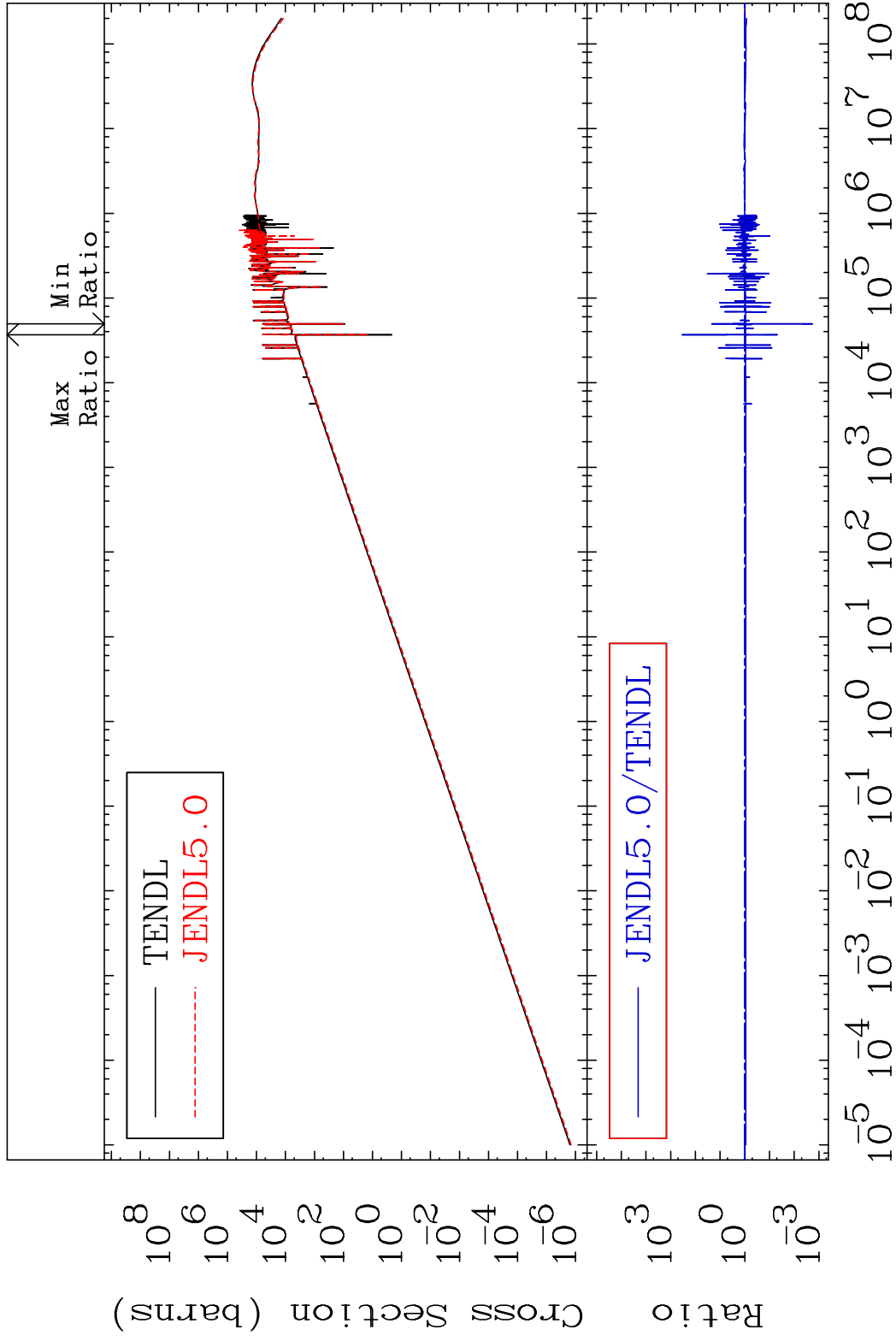
MAT 3649 Dpa disappearance (mt102 -120) 36-Kr-86
 Cross Section -99.98 To 9999. %



MAT 3649

Kerma elastic
Cross Section

36-Kr-86
-99.82 To 9999. %

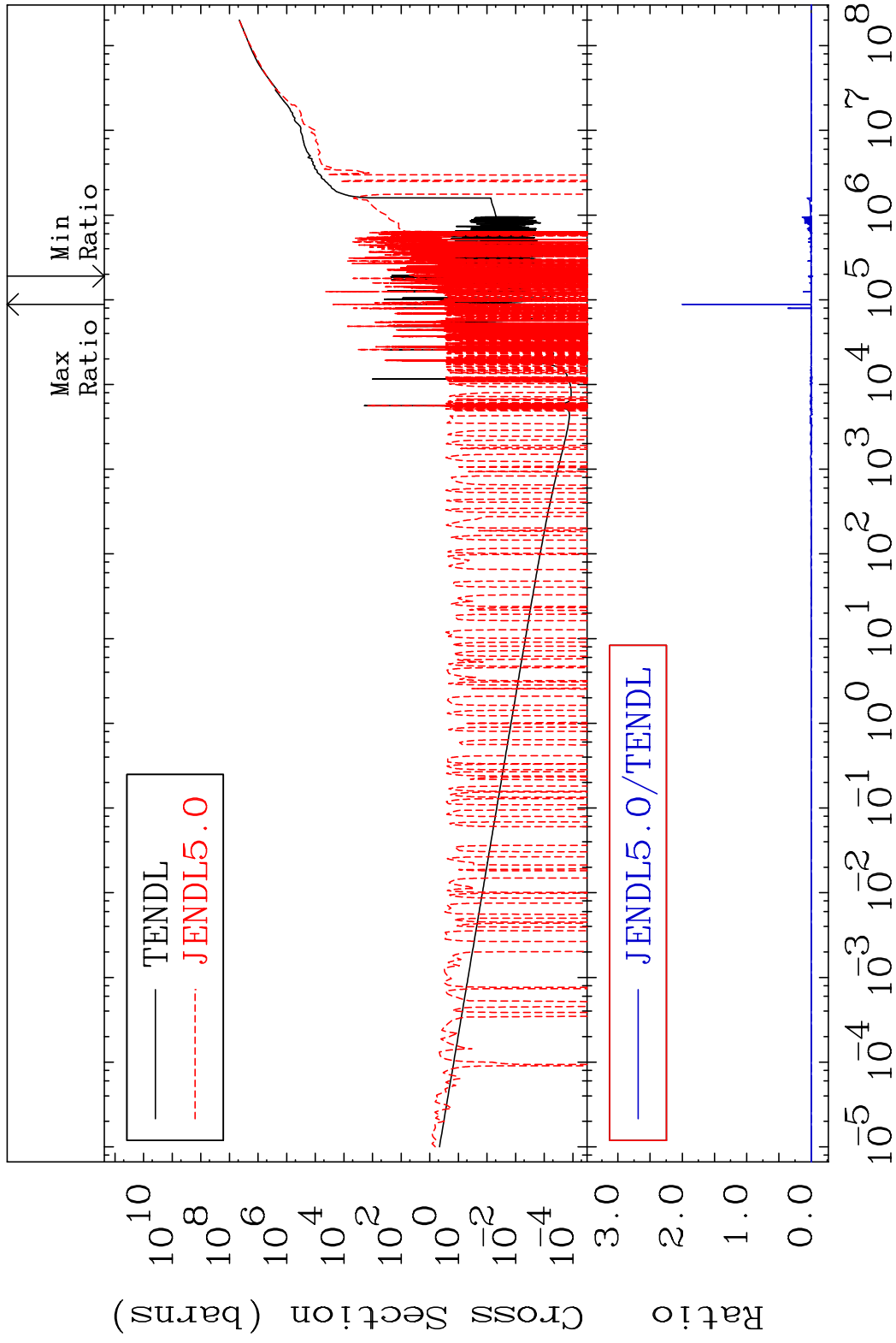


34

Incident Energy (eV)

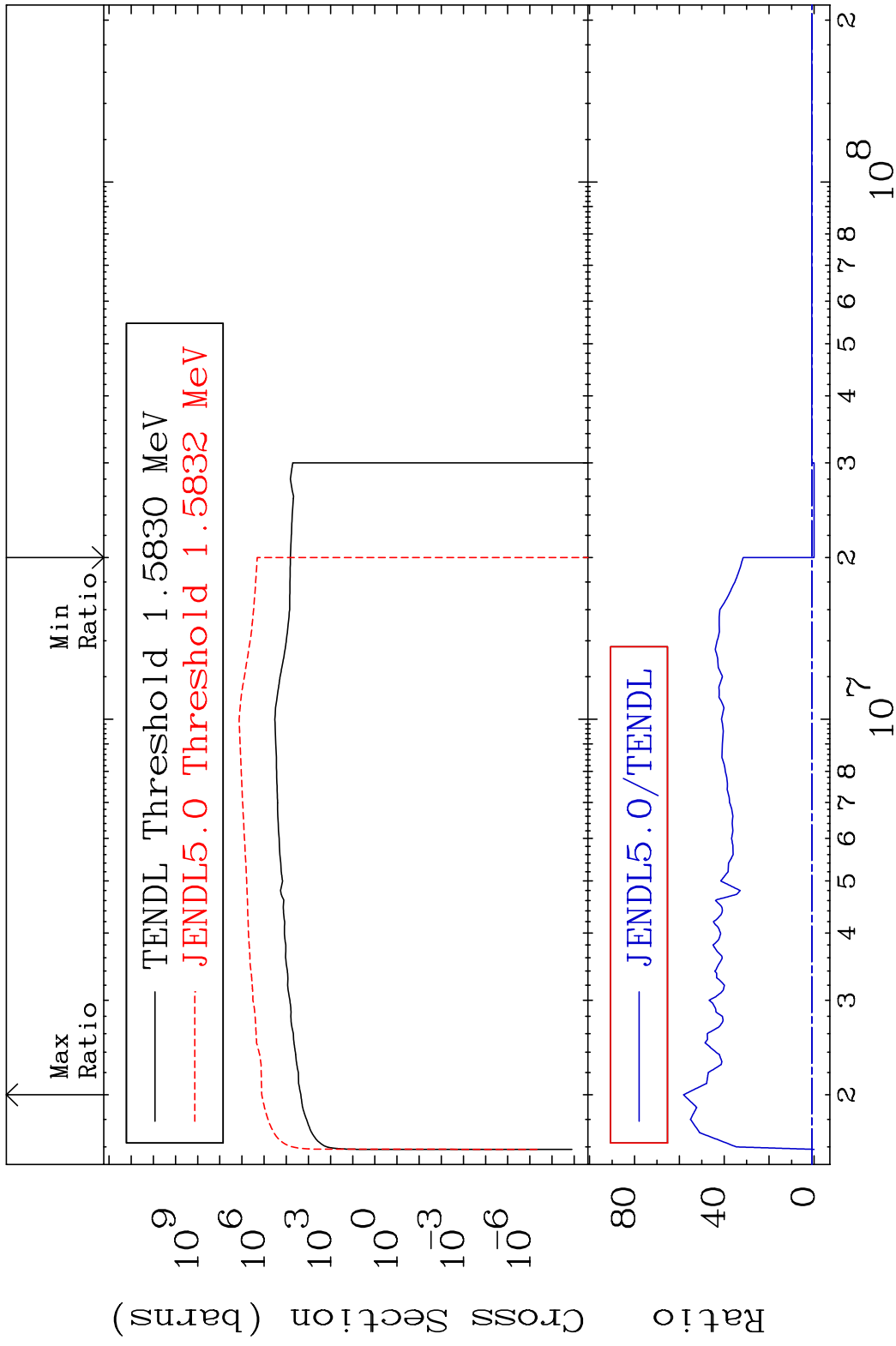
36-Kr-86

MAT 3649 Kerma non-elastic (all but mt2) 36-Kr-86
 Cross Section -9999. To 9999. %

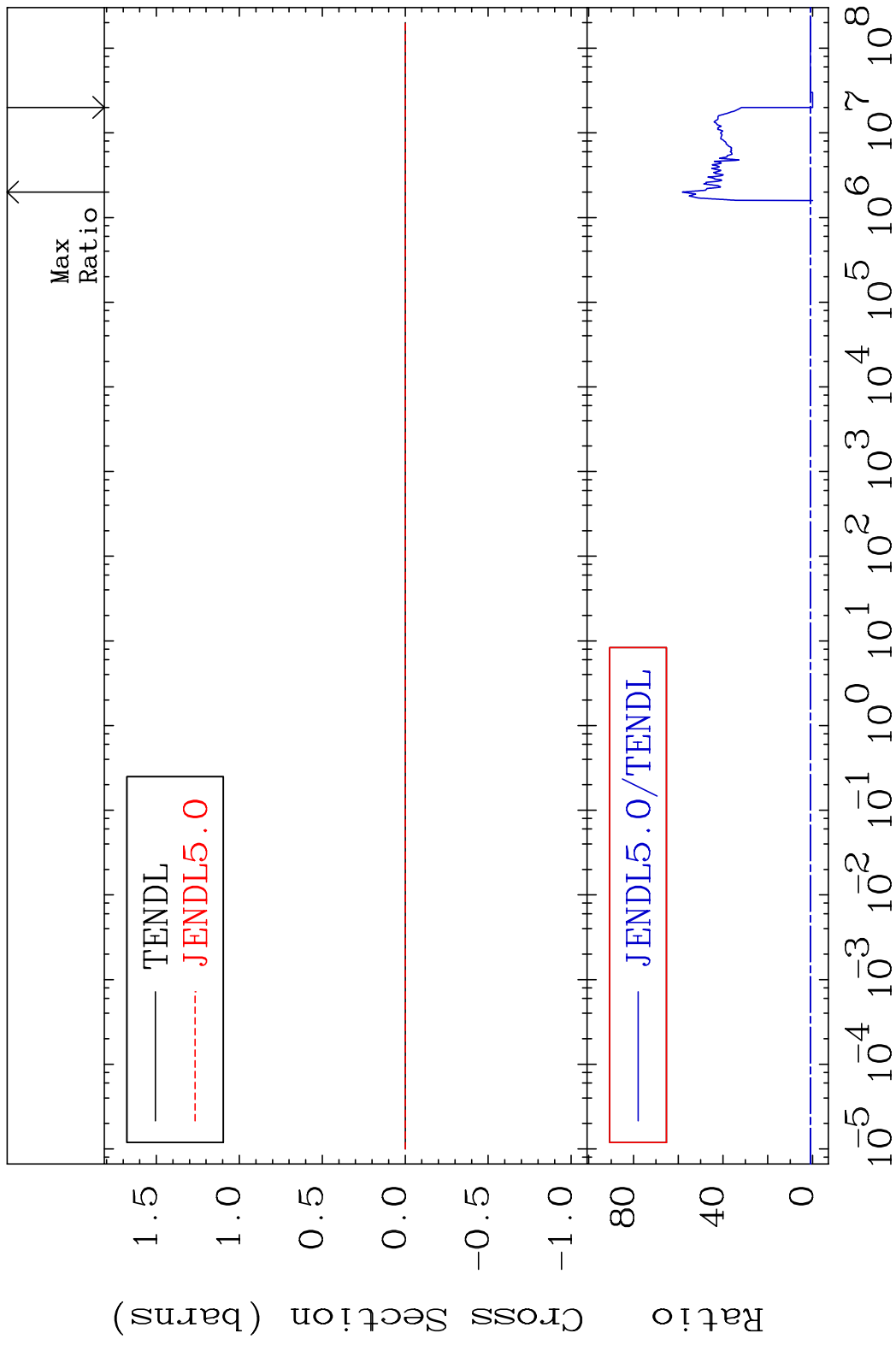


35 Incident Energy (eV) 36-Kr-86

MAT 3649 Kerma inelastic (mt51-91) 36-Kr-86
 Cross Section -100.0 To 5717. %

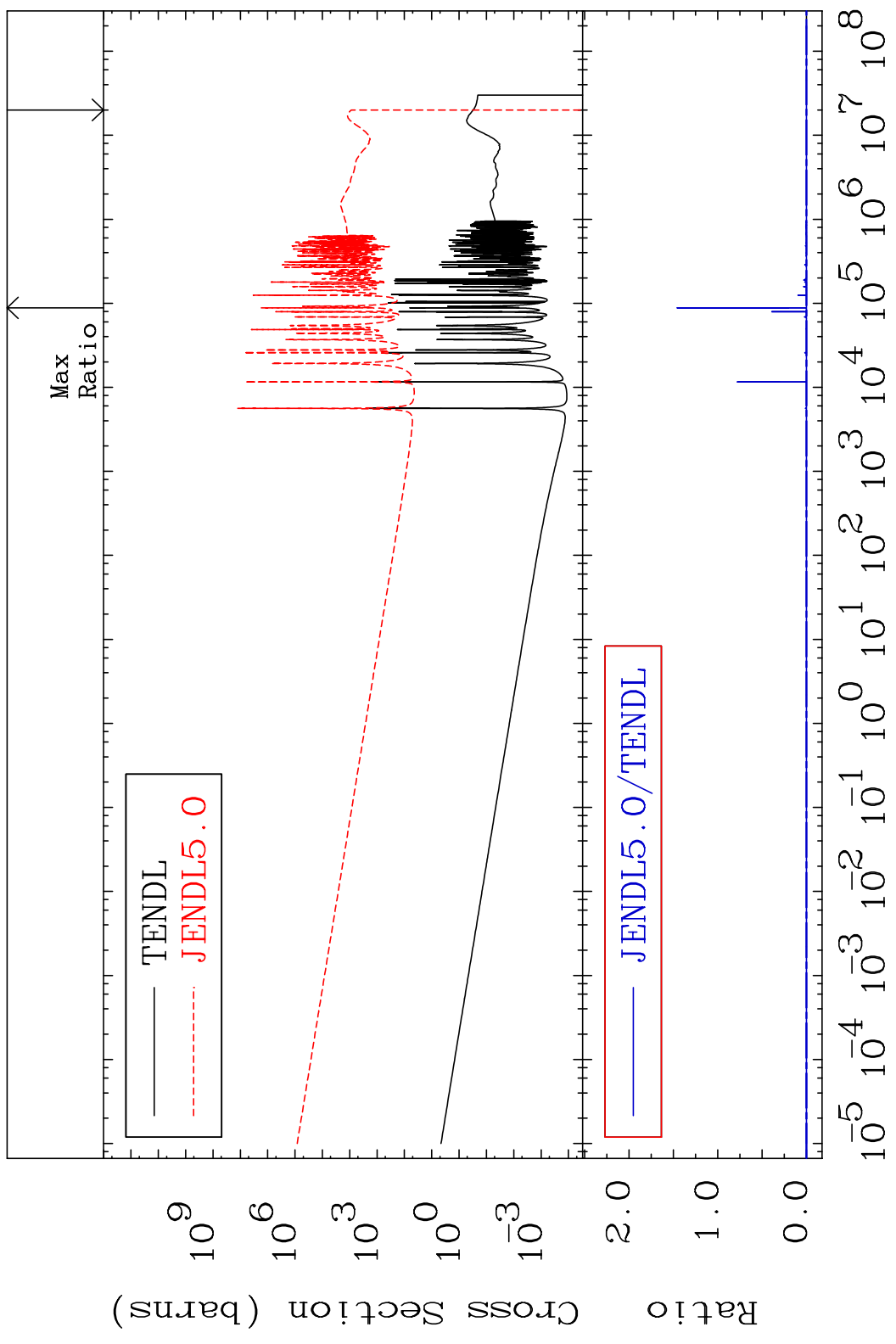


MAT 3649 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-86
 Cross Section -100.0 To 5717. %



MAT 3649

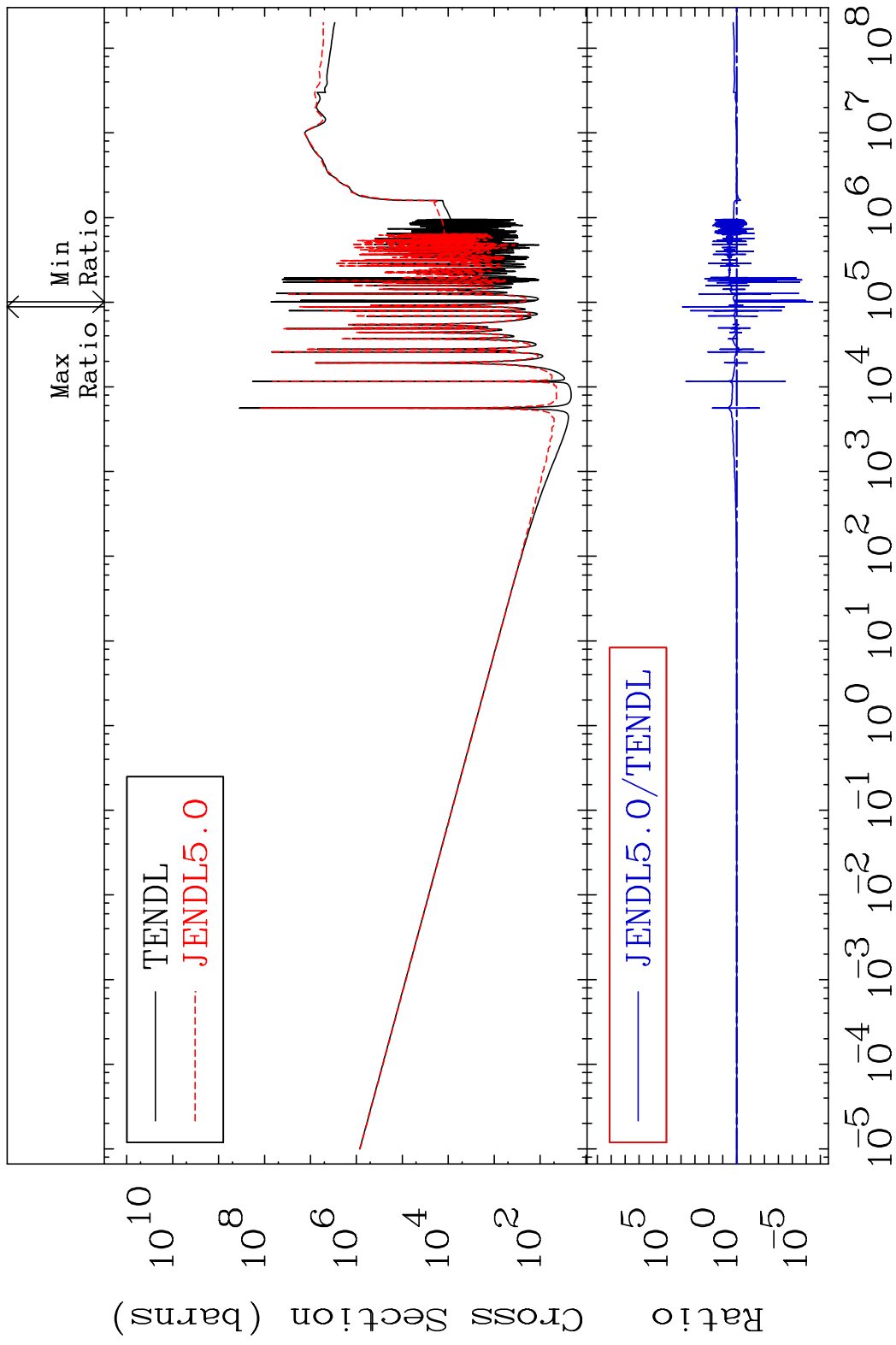
Kerma capture (mt102) 36-Kr-86
Cross Section -100.0 To 9999. %



38

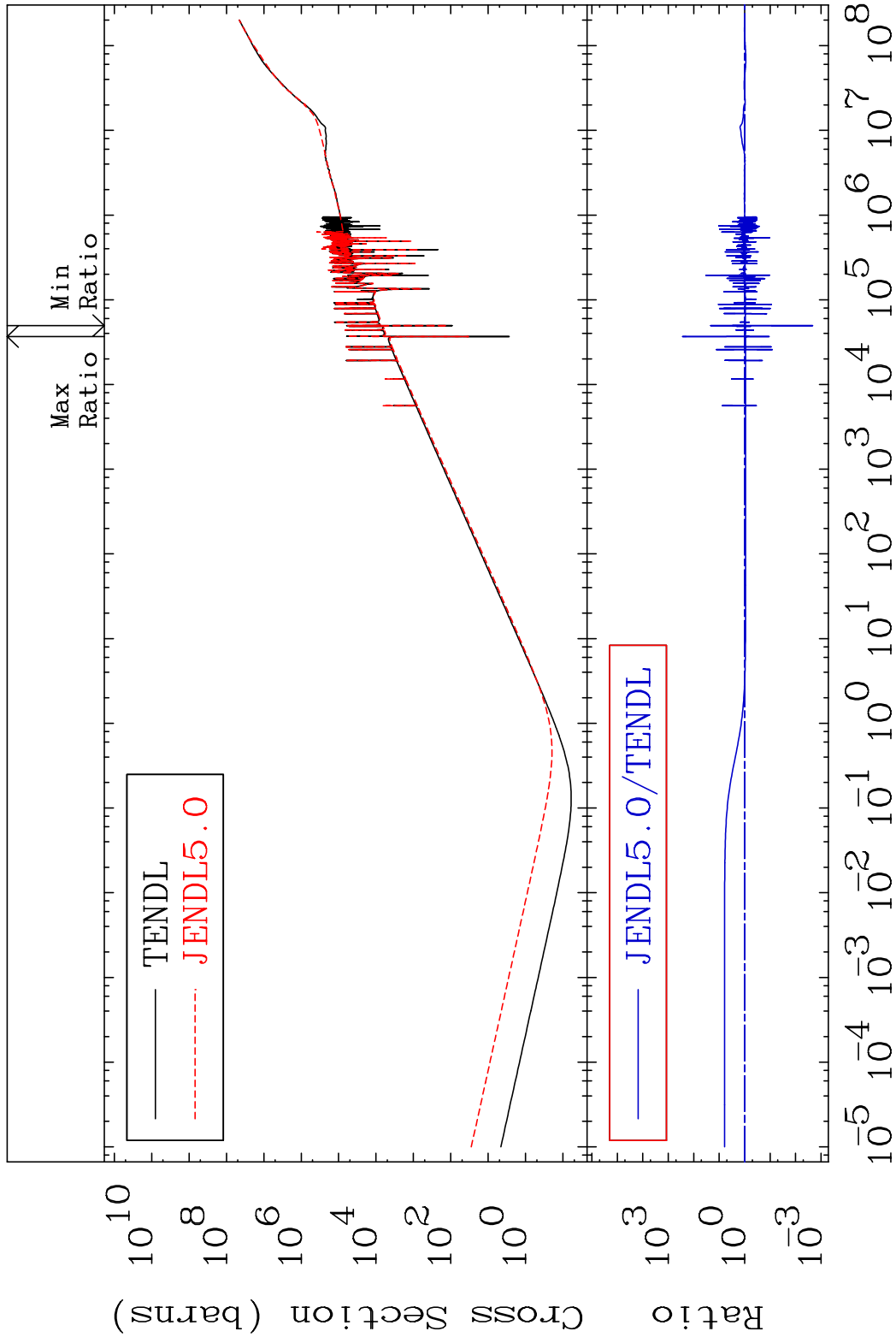
Incident Energy (eV) 36-Kr-86

MAT 3649 Total photon (eV-barns) 36-Kr-86
 Cross Section -100.0 To 9999. %



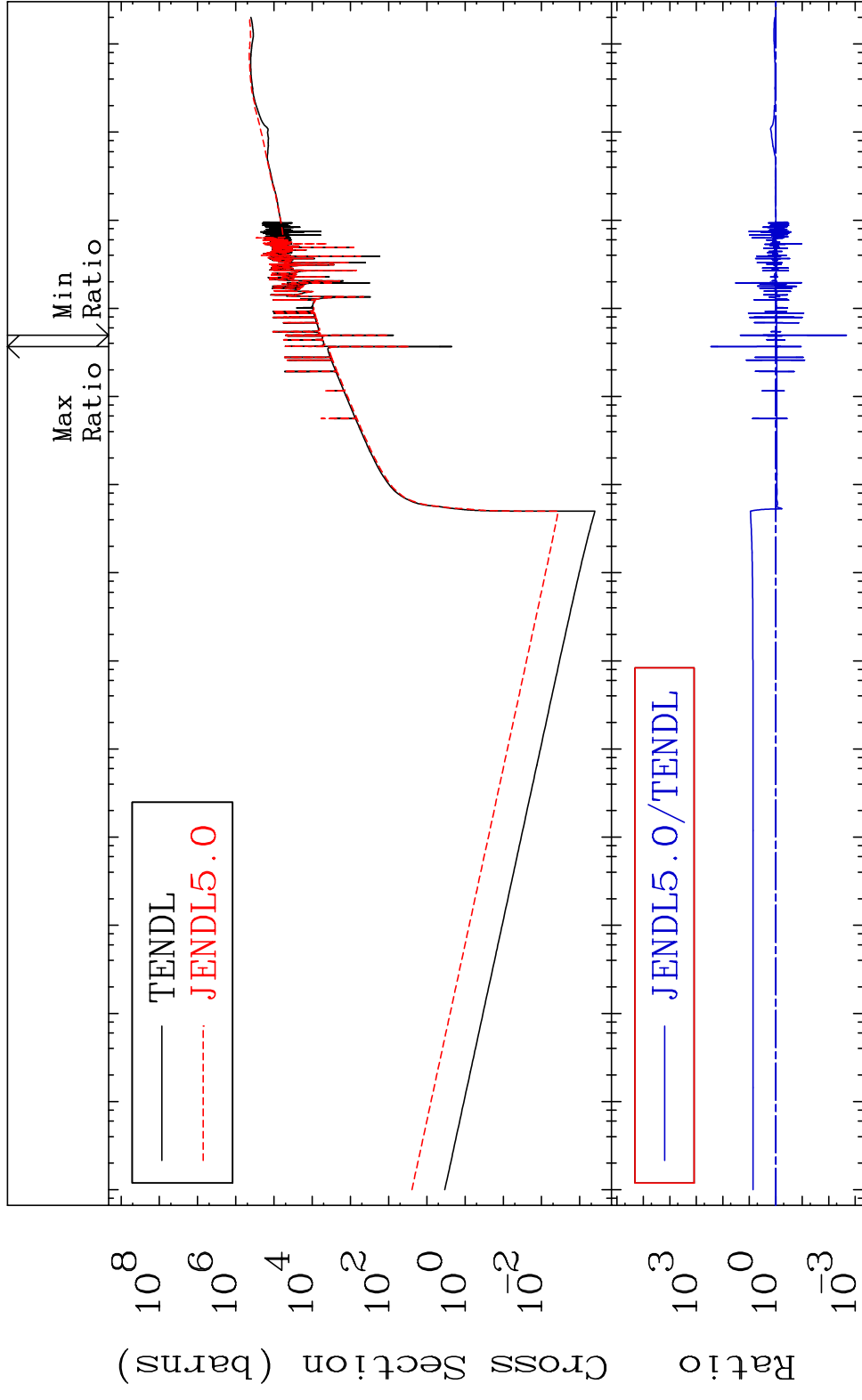
39 Incident Energy (eV) 36-Kr-86

MAT 3649 Total kinematic kerma (high limit) 36-Kr-86
Cross Section -99.78 To 9999. %



40 Incident Energy (eV) 36-Kr-86

MAT 3649 Dpa total (eV-barns) 36-Kr-86
 Cross Section -99.78 To 9999. %



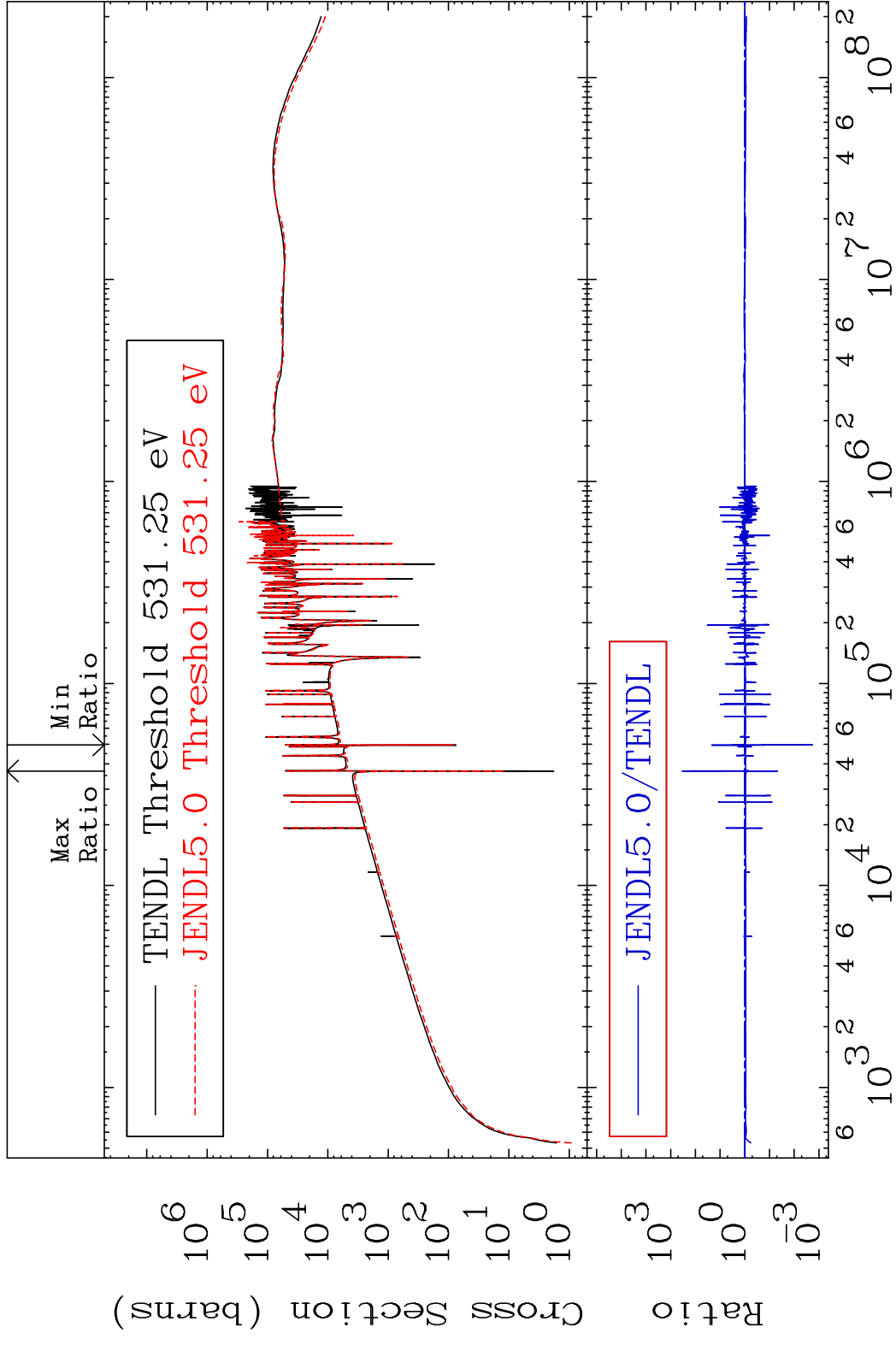
41 Incident Energy (eV) 36-Kr-86

MAT 3649

Dpa elastic (mt2)

36-Kr-86

Cross Section -99.82 To 9999. %

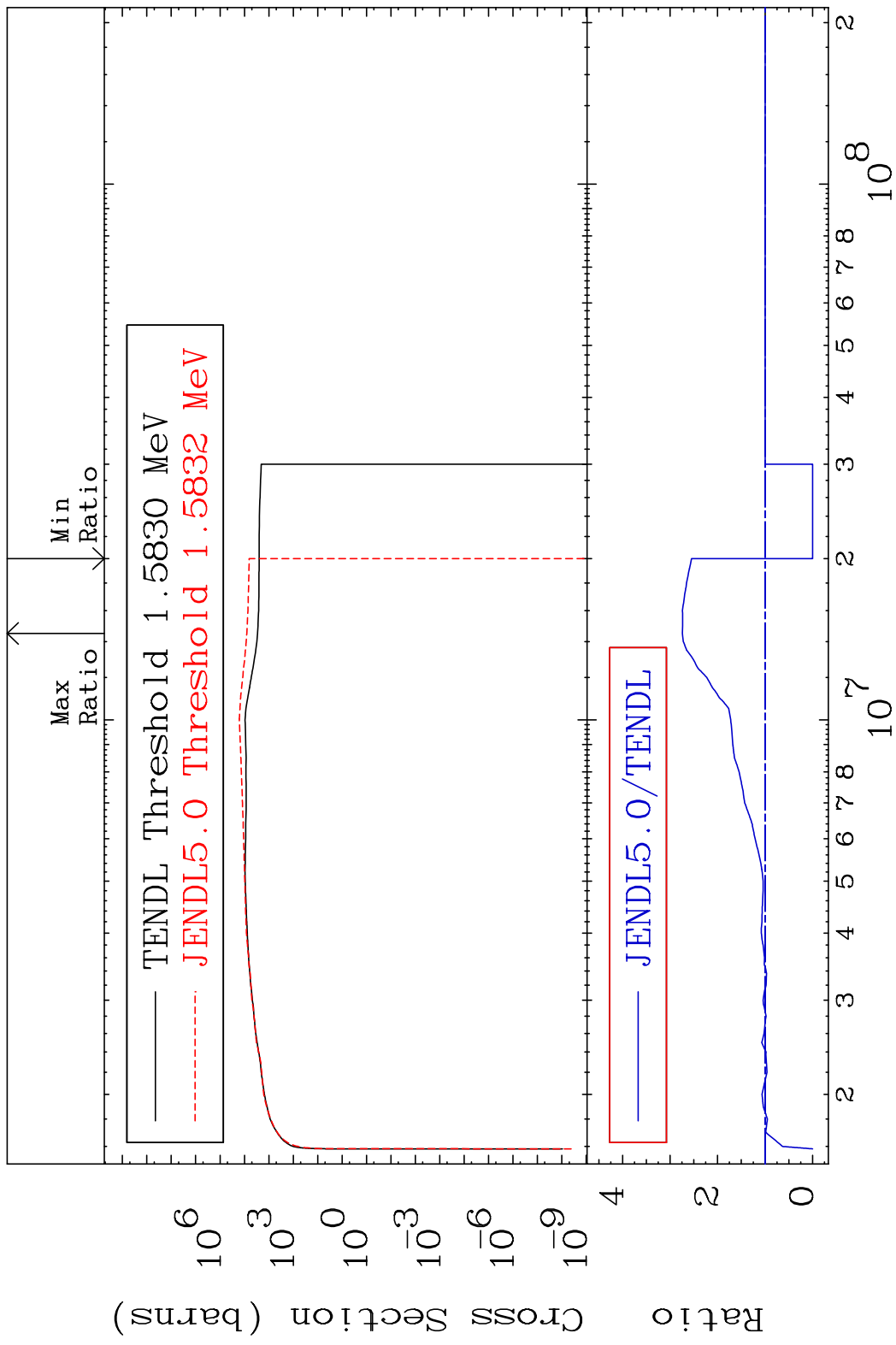


42

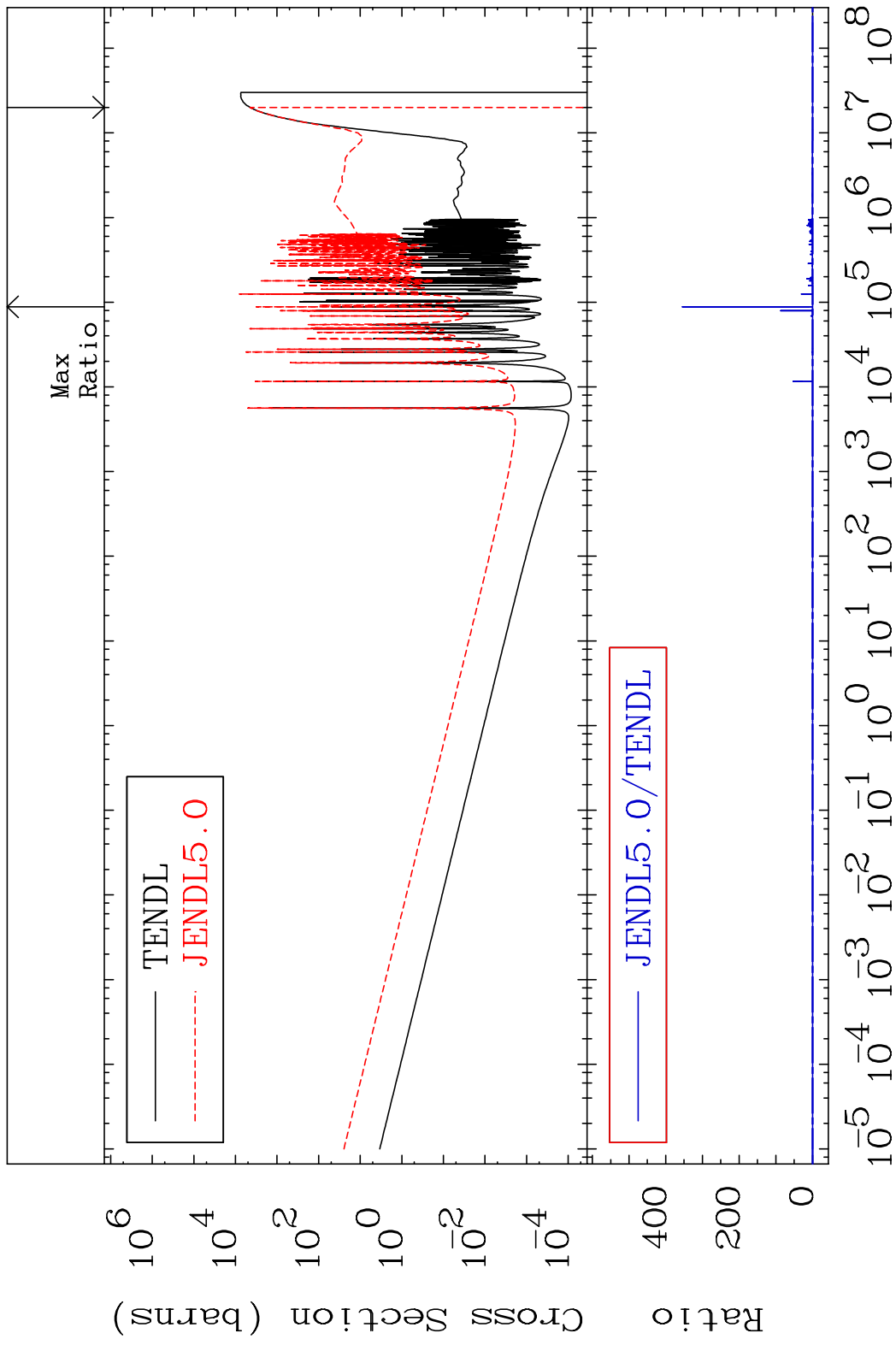
Incident Energy (eV)

36-Kr-86

MAT 3649 Dpa inelastic (mt51-91) 36-Kr-86
 Cross Section -100.0 To 174.2 %



MAT 3649 Dpa disappearance (mt102 -120) 36-Kr-86
 Cross Section -100.0 To 9999. %

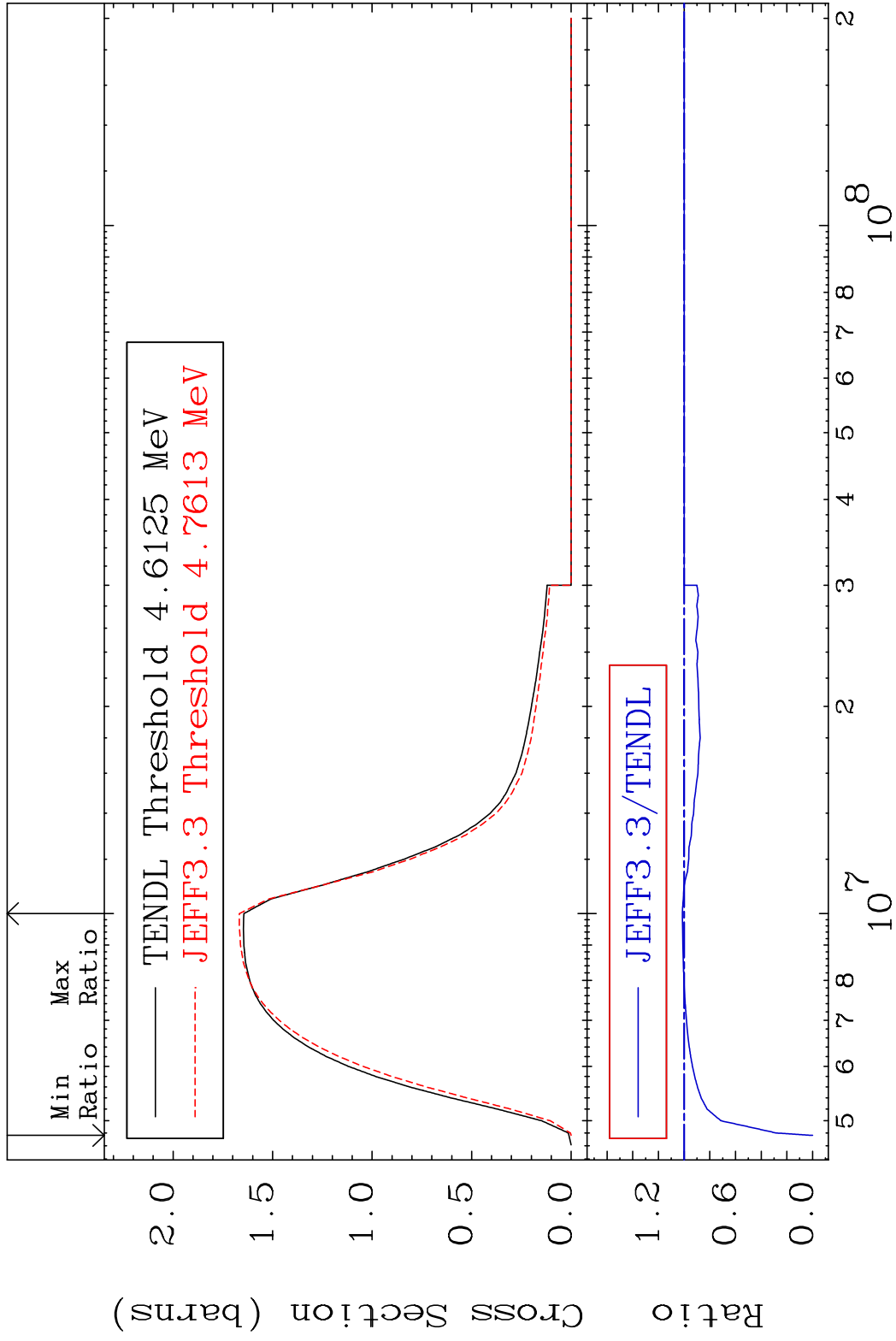


MAT 3649

(n,n') Continuum

36-Kr-86

Cross Section -100.0 To 1.378 %



45

Incident Energy (eV)

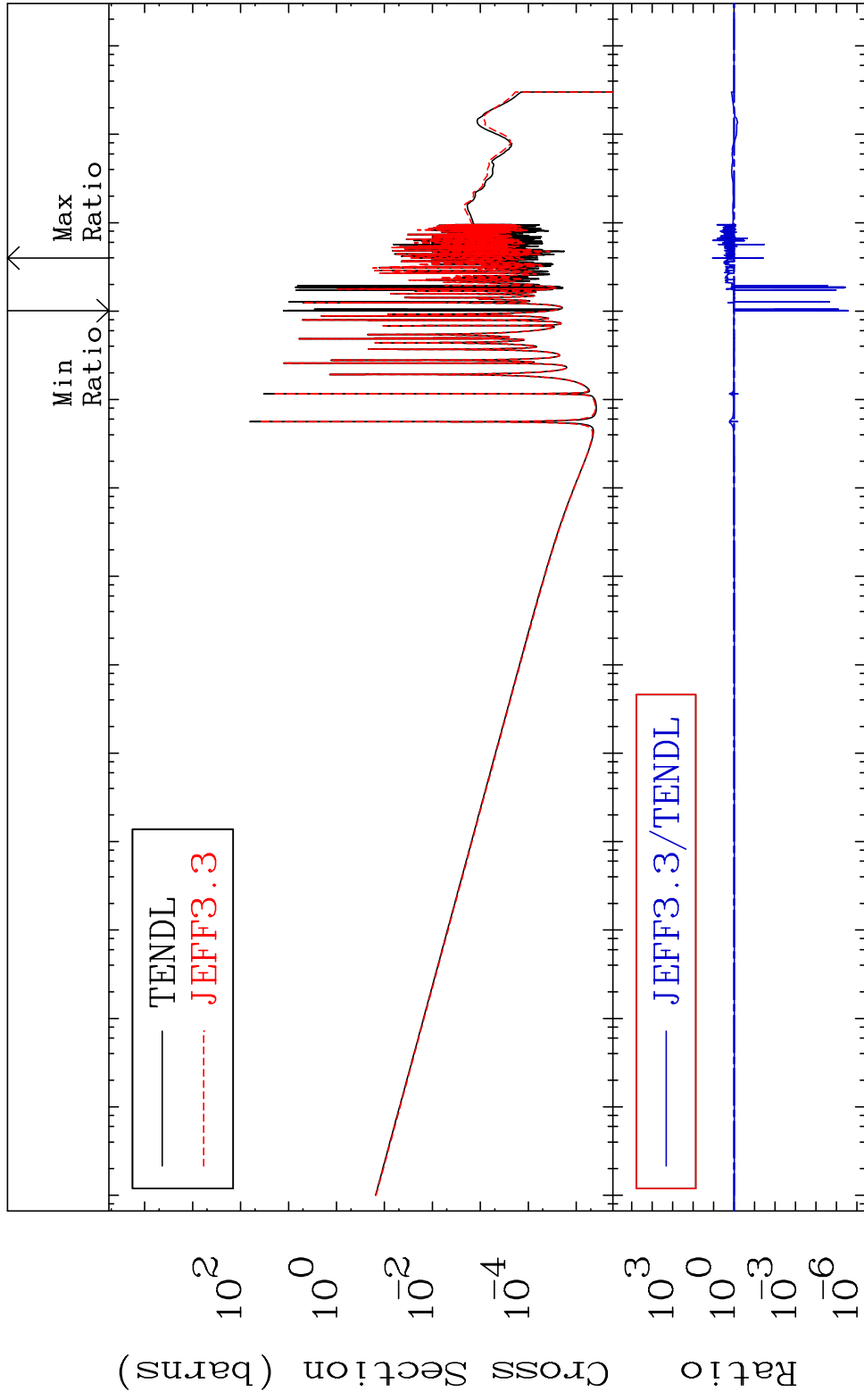
36-Kr-86

MAT 3649

(n, γ)

36-Kr-86

Cross Section -100.0 To 1038. %



46

Incident Energy (eV)

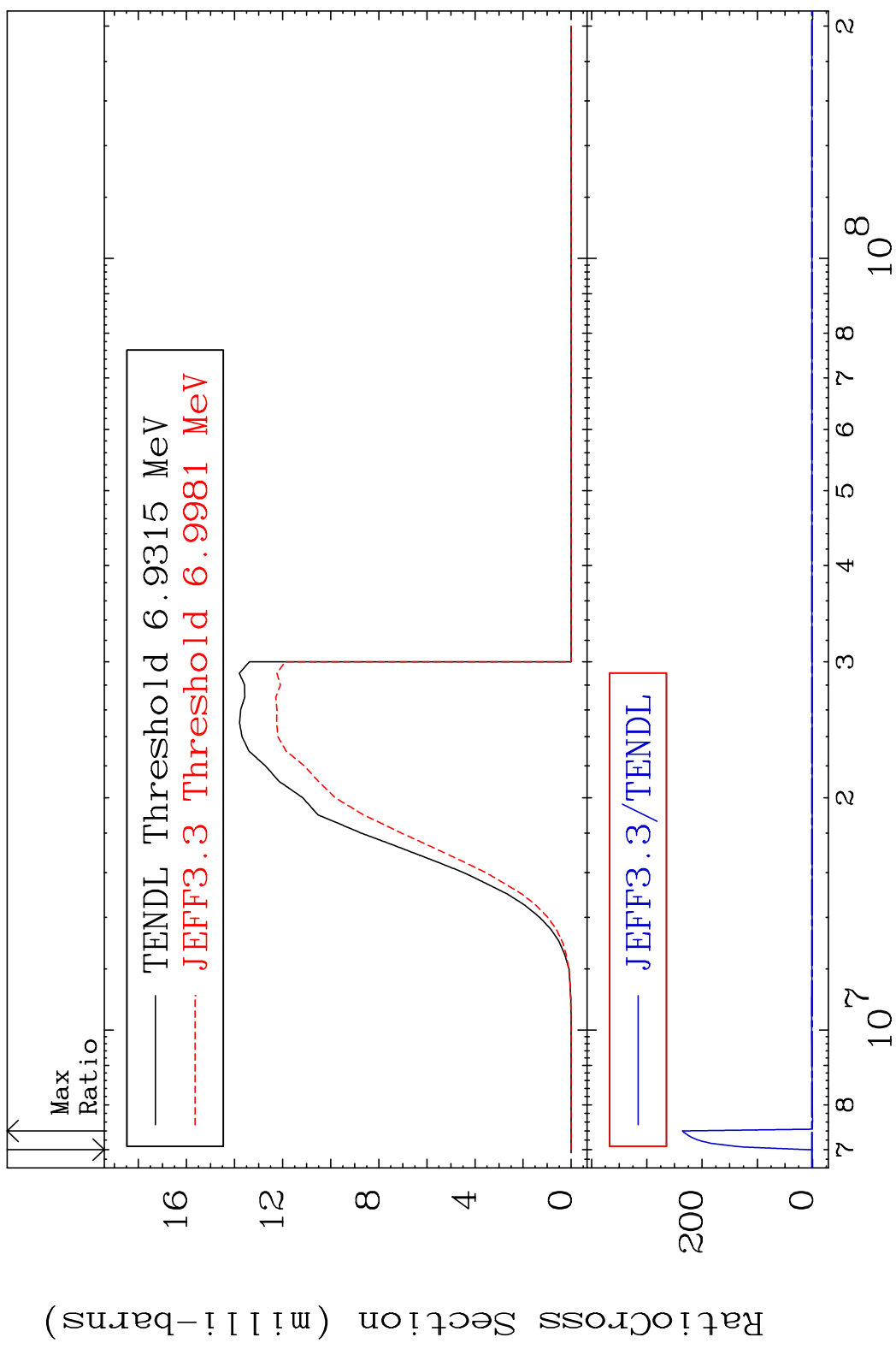
36-Kr-86

MAT 3649

(n,p)

36-Kr-86

Cross Section -100.0 To 9999. %

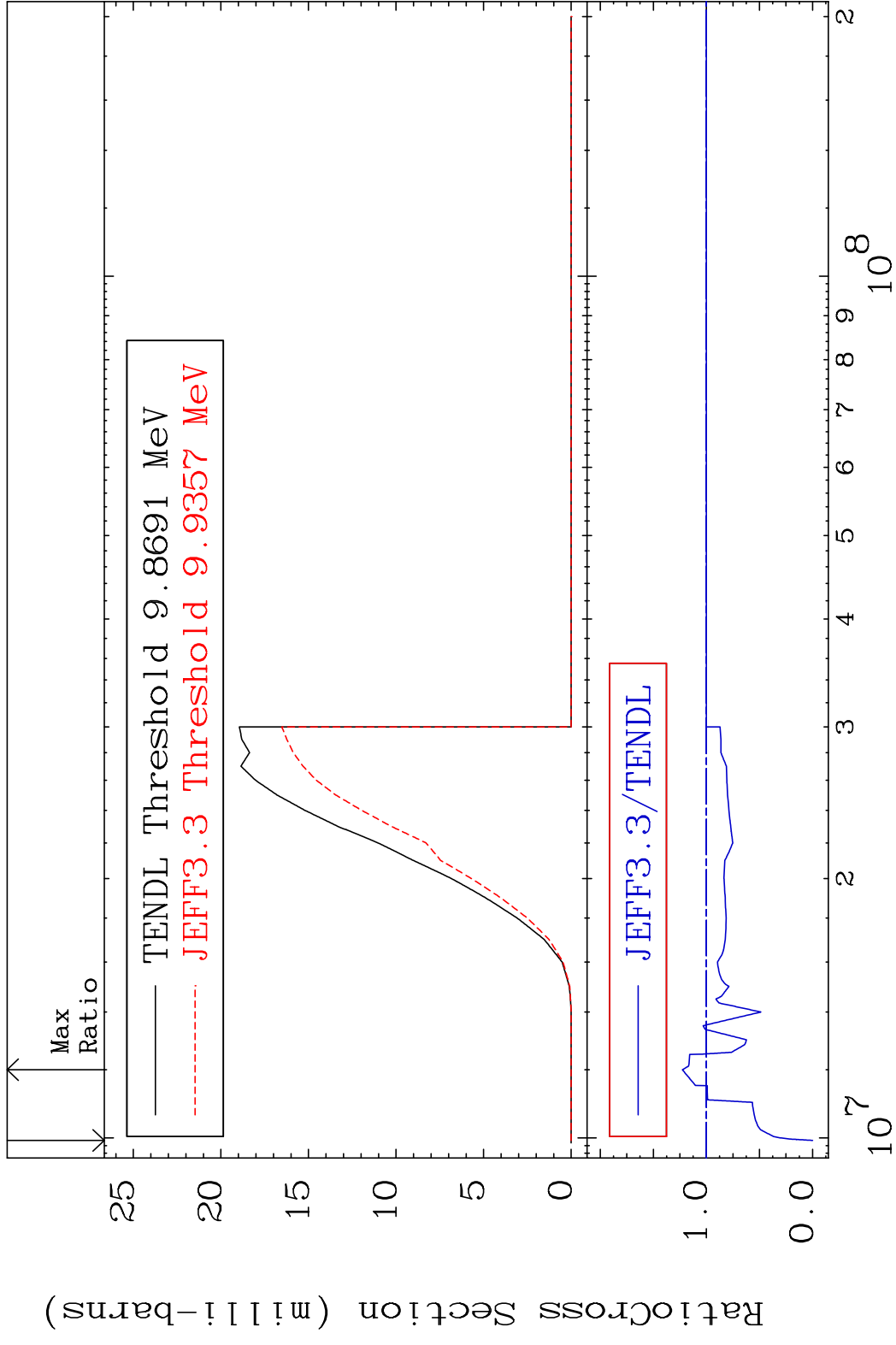


47

Incident Energy (eV)

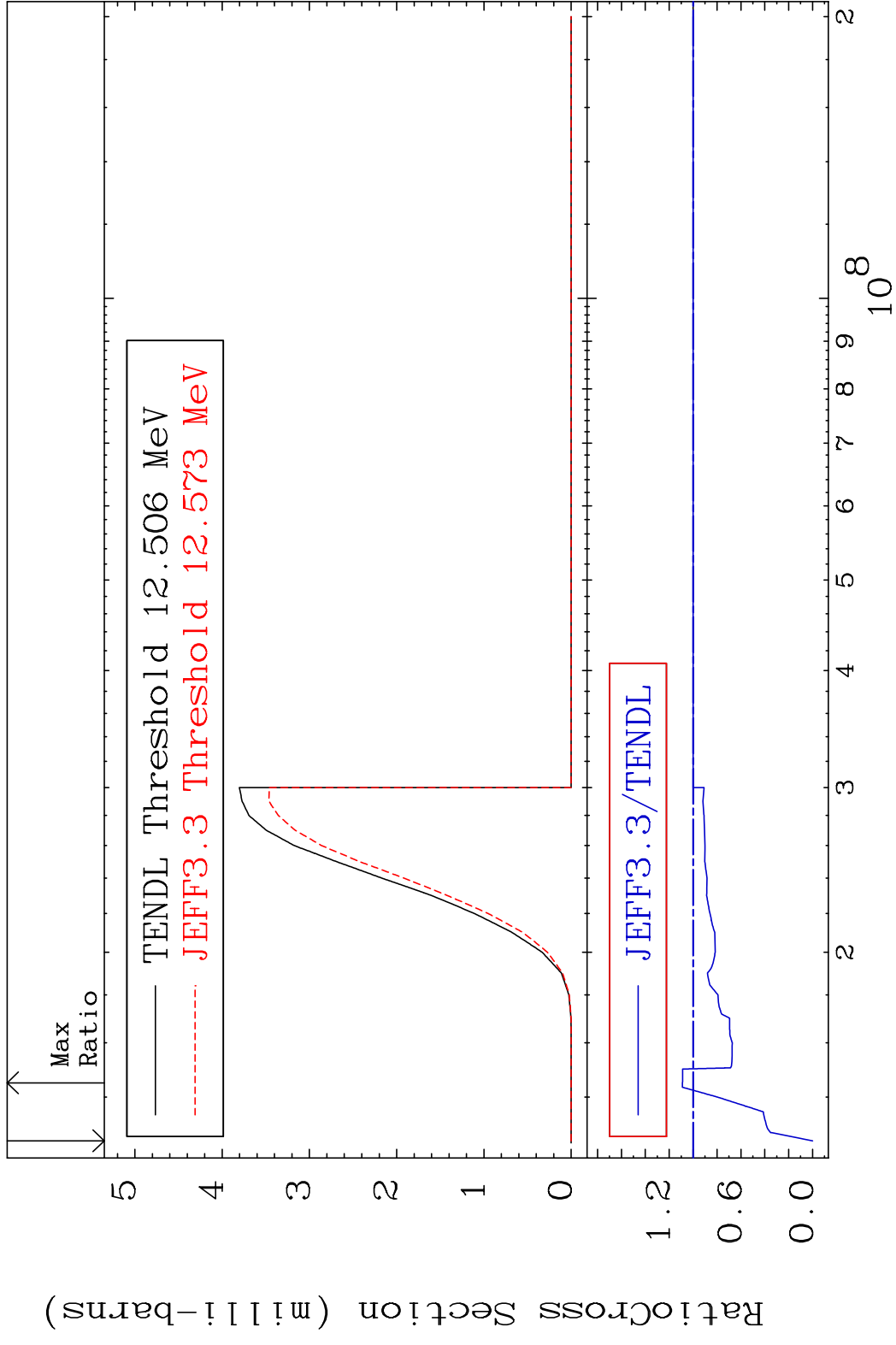
36-Kr-86

MAT 3649 (n,d) 36-Kr-86
 Cross Section -100.0 To 22.65 %



48 36-Kr-86

MAT 3649 (n, t) 36-Kr-86
 Cross Section -100.0 To 9.002 %

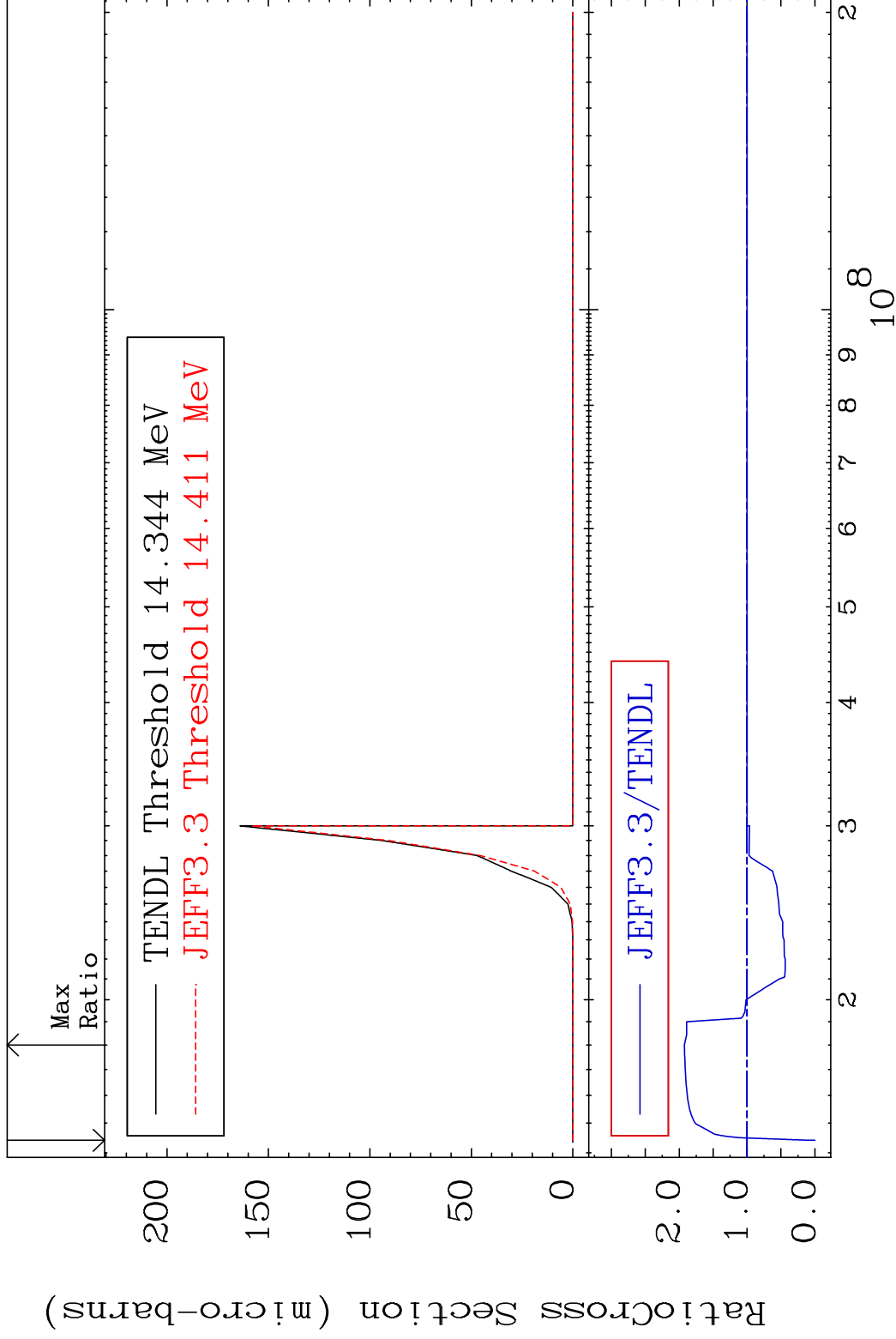


MAT 3649

(n, He-3)

36-Kr-86

Cross Section -100.0 To 92.48 %

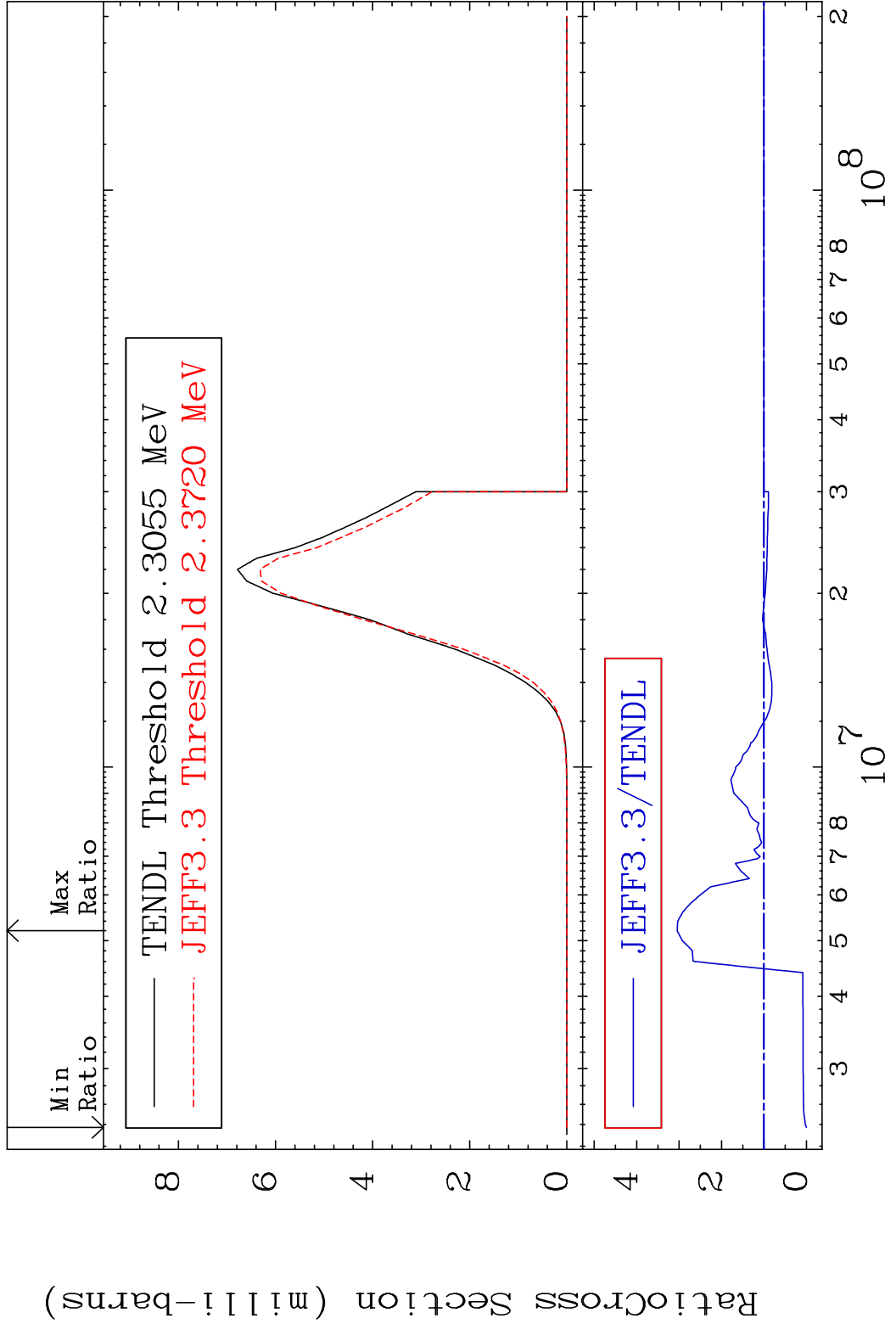


50

Incident Energy (eV)

36-Kr-86

MAT 3649 (n, α) 36-Kr-86
 Cross Section -100.0 To 204.5 %

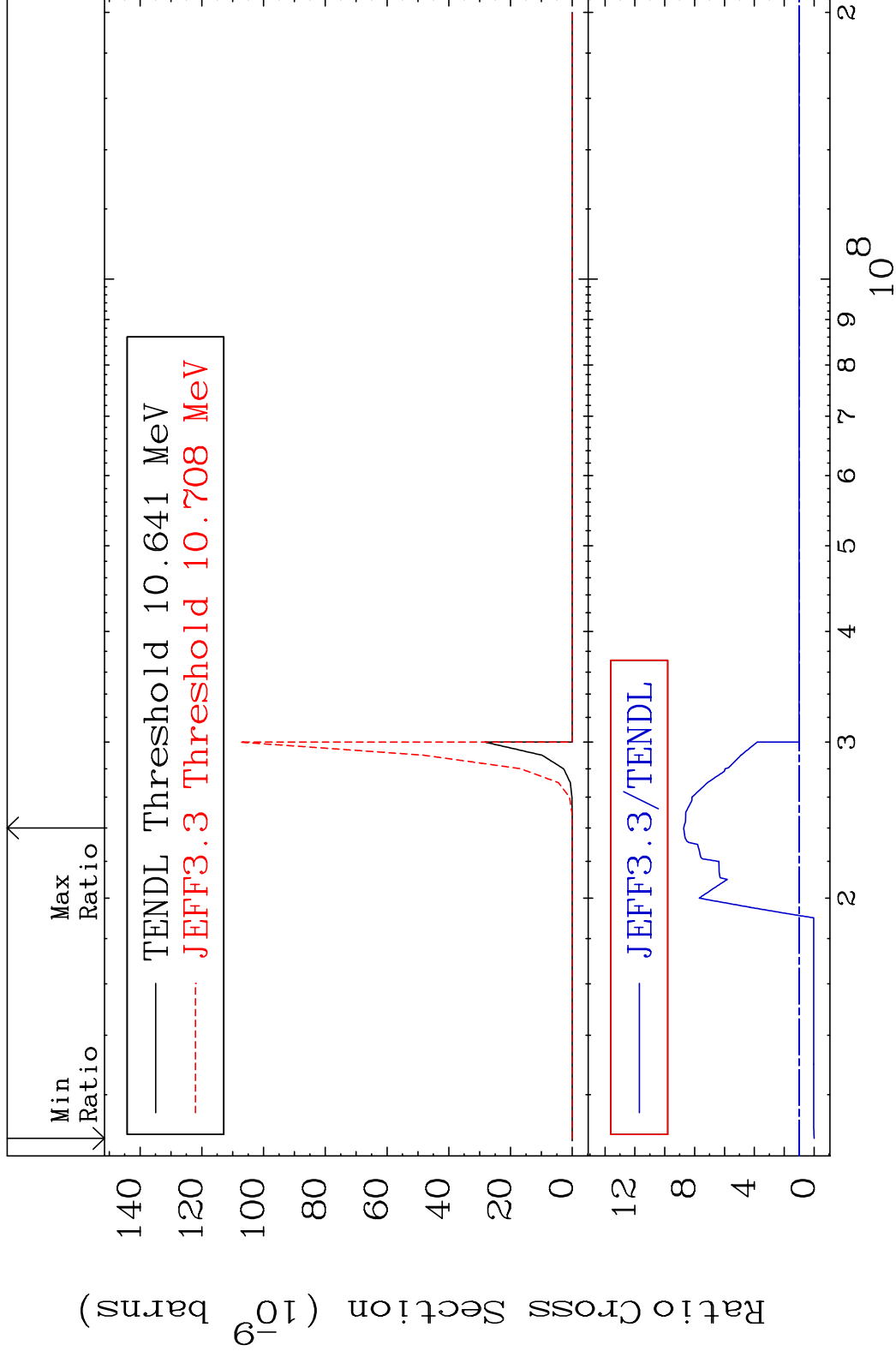


MAT 3649

(n,2α)

36-Kr-86

Cross Section -100.0 To 773.4 %



52

Incident Energy (eV)

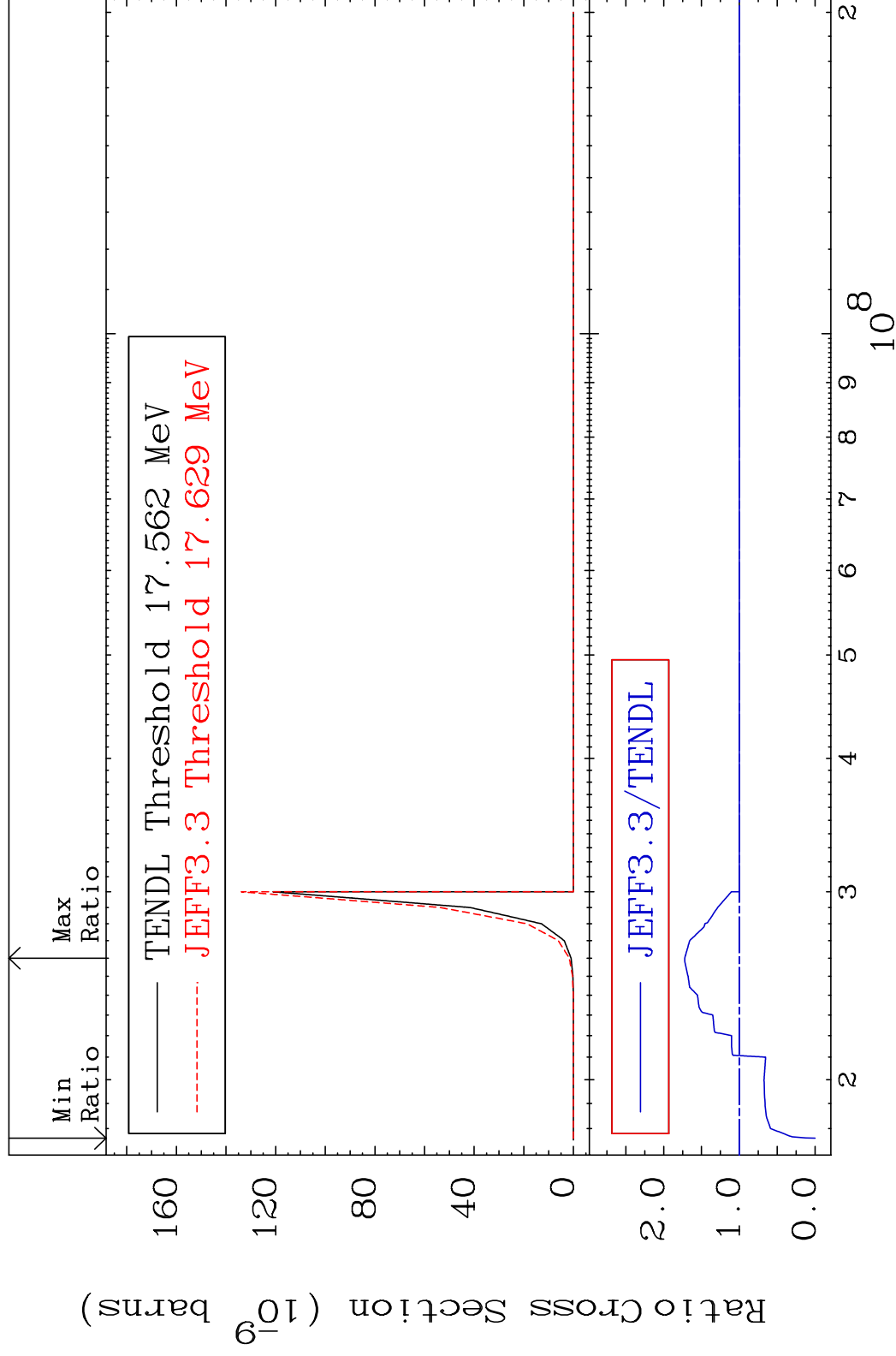
36-Kr-86

MAT 3649

(n,2p)

36-Kr-86

Cross Section -100.0 To 72.19 %

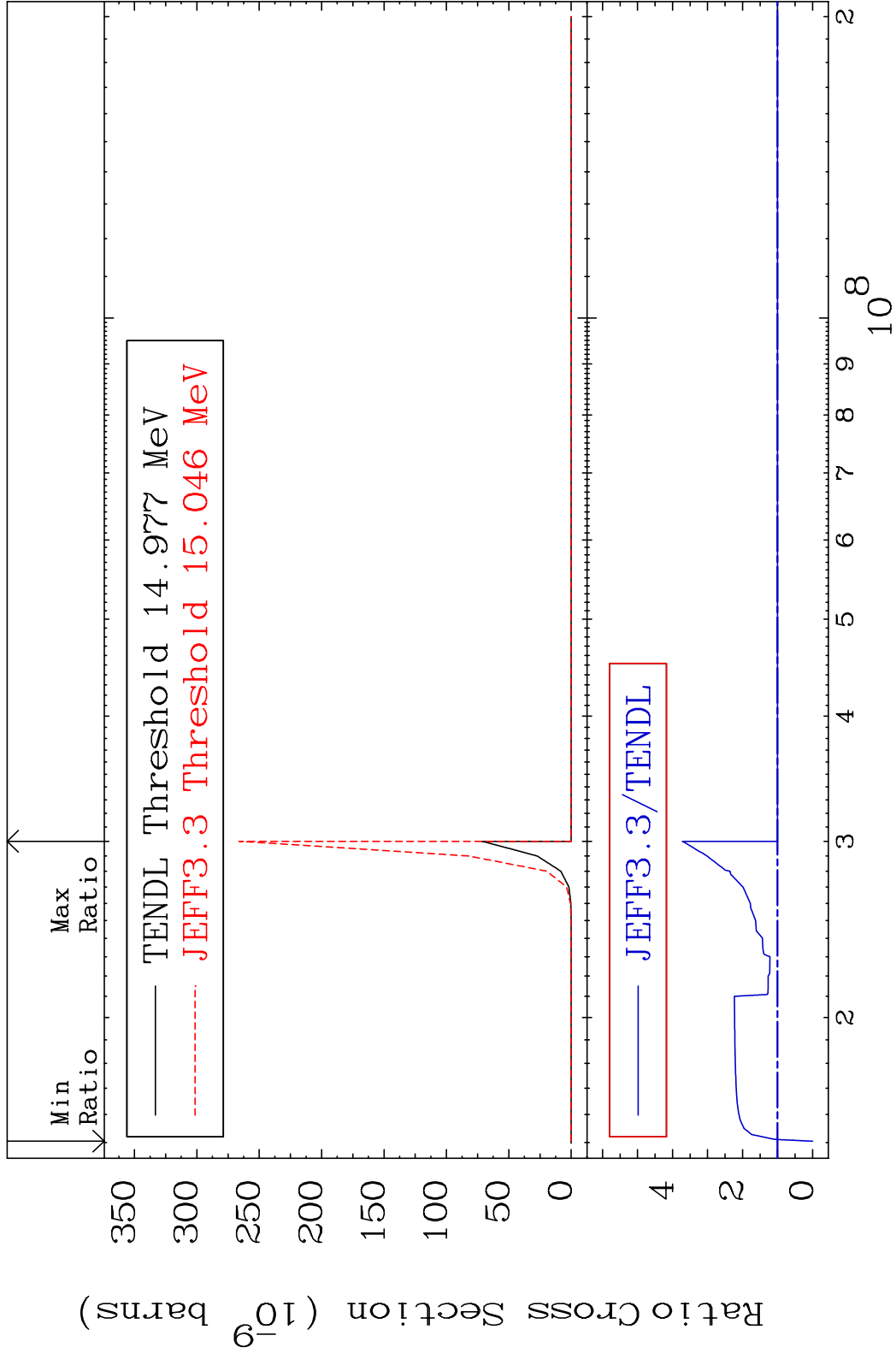


53

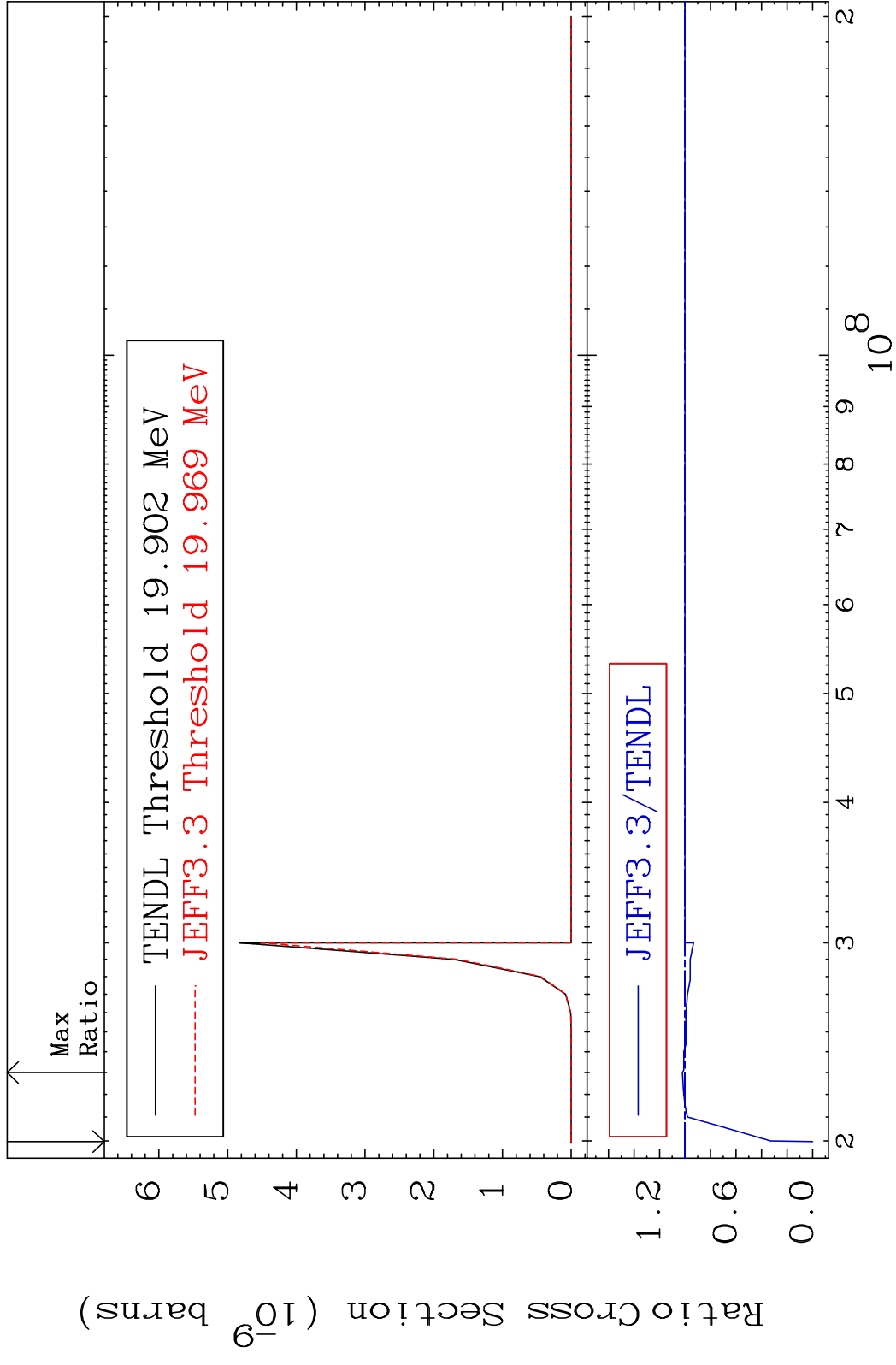
Incident Energy (eV)

36-Kr-86

MAT 3649 (n,p) α 36-Kr-86
 Cross Section -100.0 To 272.0 %



MAT 3649 (n,p) d 36-Kr-86
 Cross Section -100.0 To 2.065 %

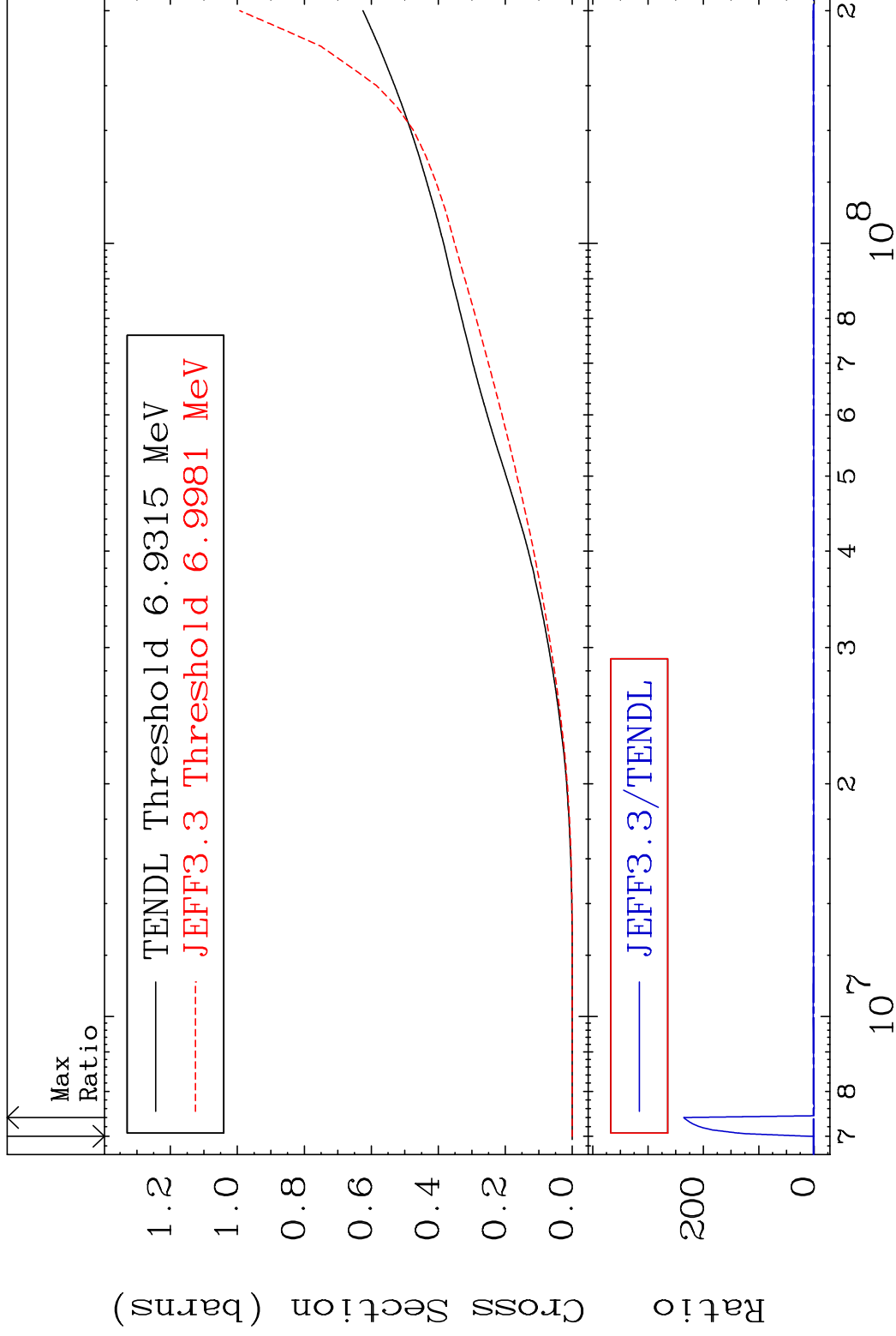


MAT 3649

Hydrogen Production

³⁶Kr-86

Cross Section -100.0 To 9999. %



56

Incident Energy (eV)

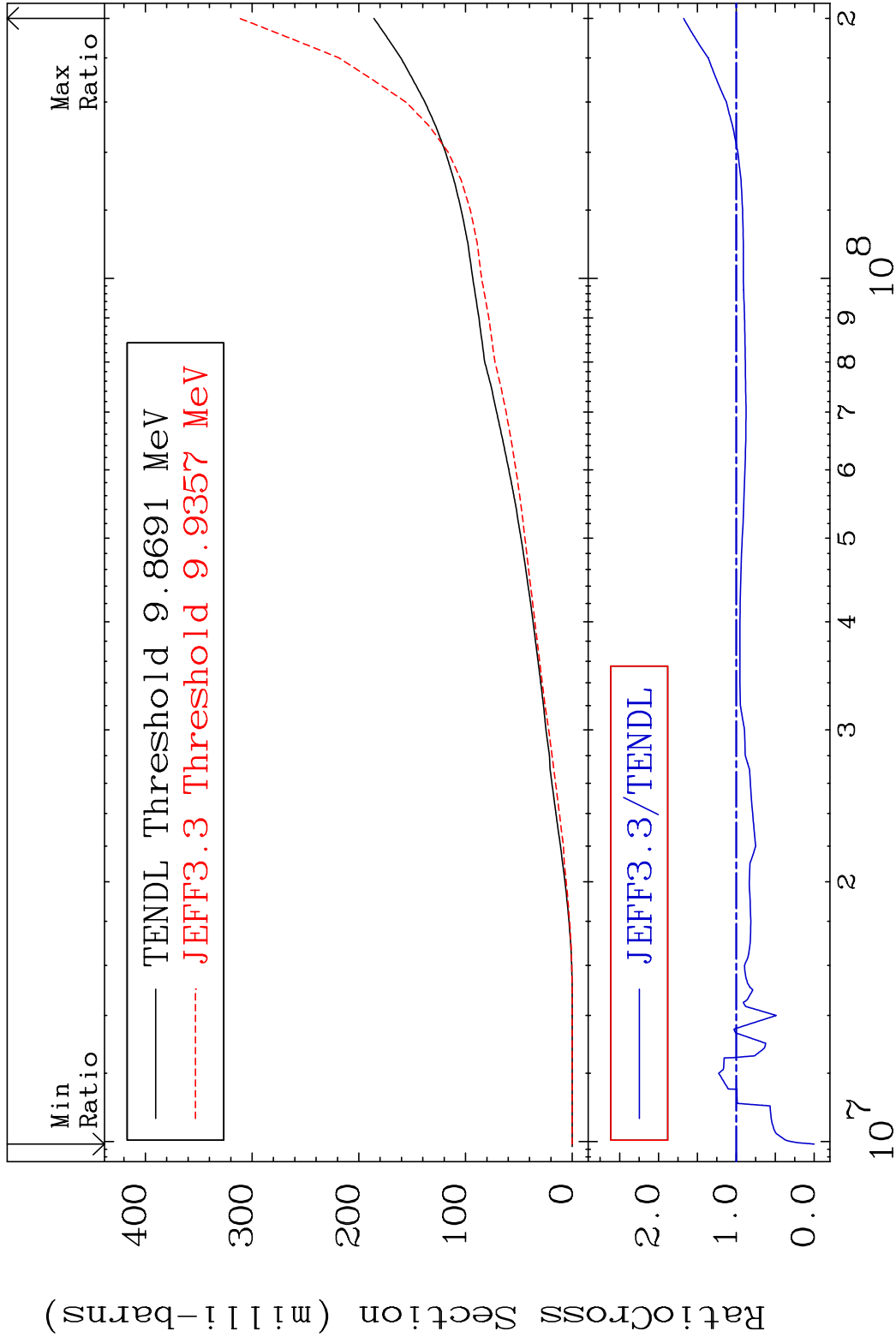
³⁶Kr-86

MAT 3649

Deuterium Production

36-Kr-86

Cross Section -100.0 To 67.68 %

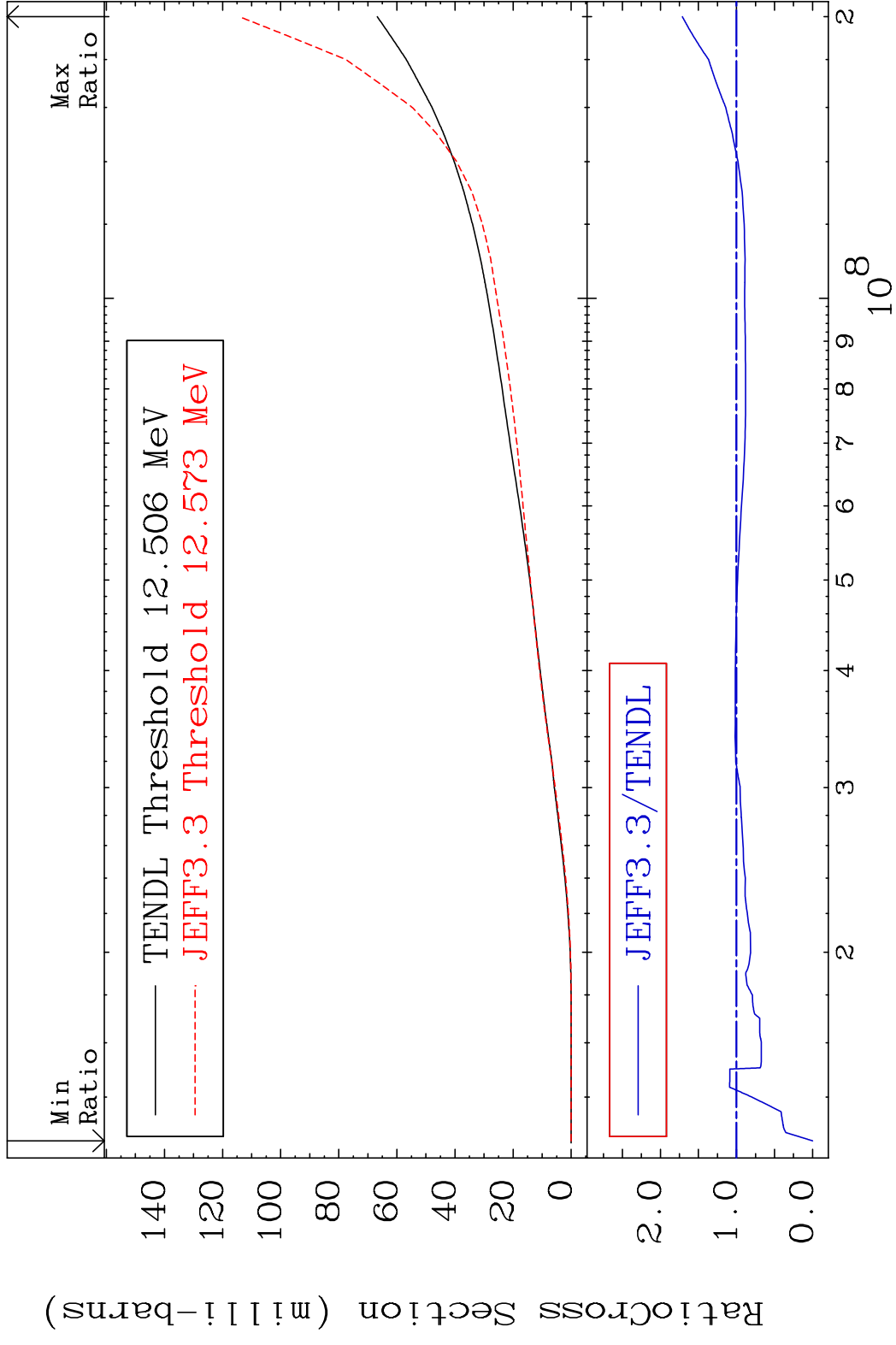


57

Incident Energy (eV)

36-Kr-86

MAT 3649 Tritium Production 36-Kr-86
 Cross Section -100.0 To 71.17 %

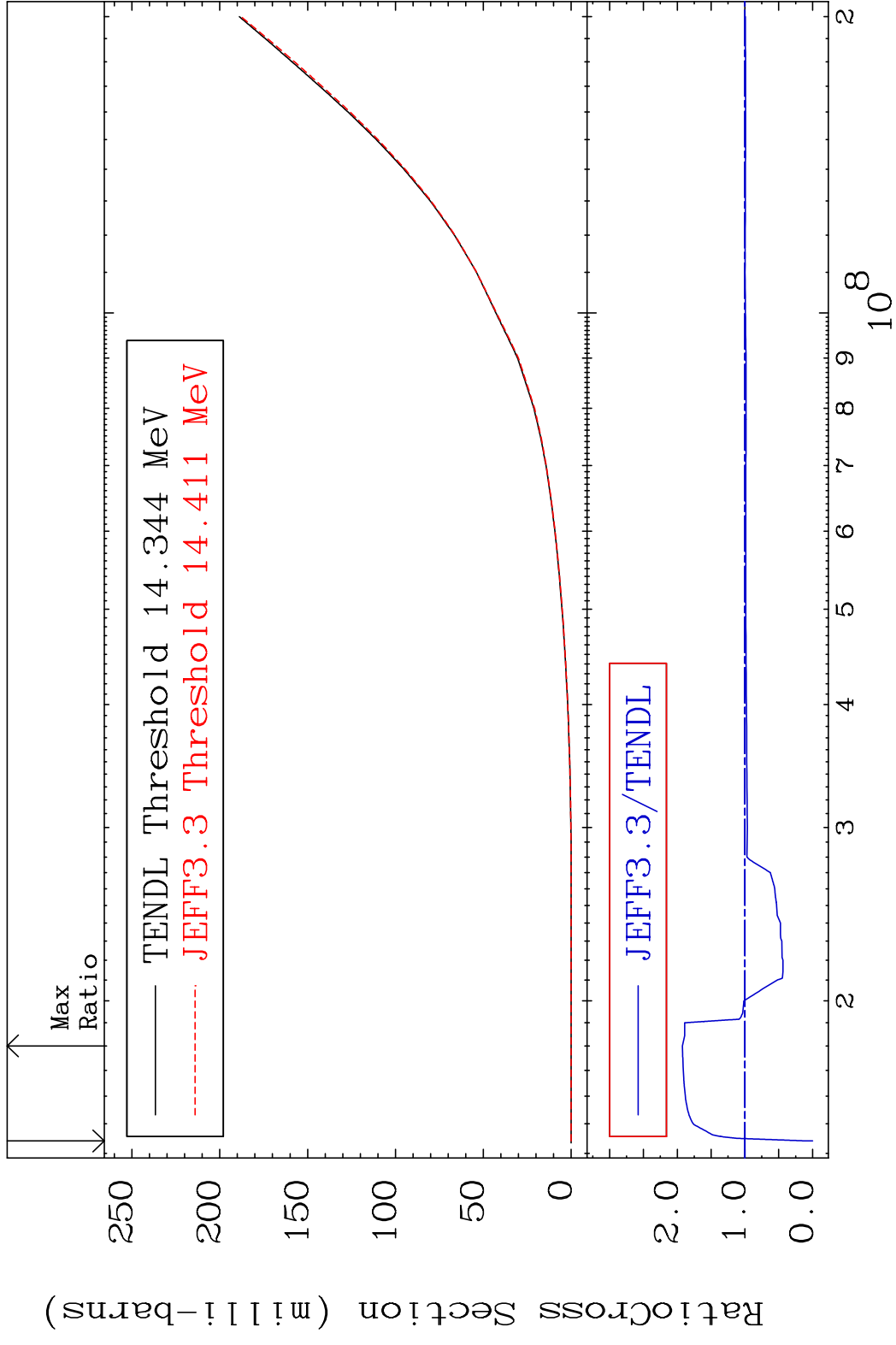


MAT 3649

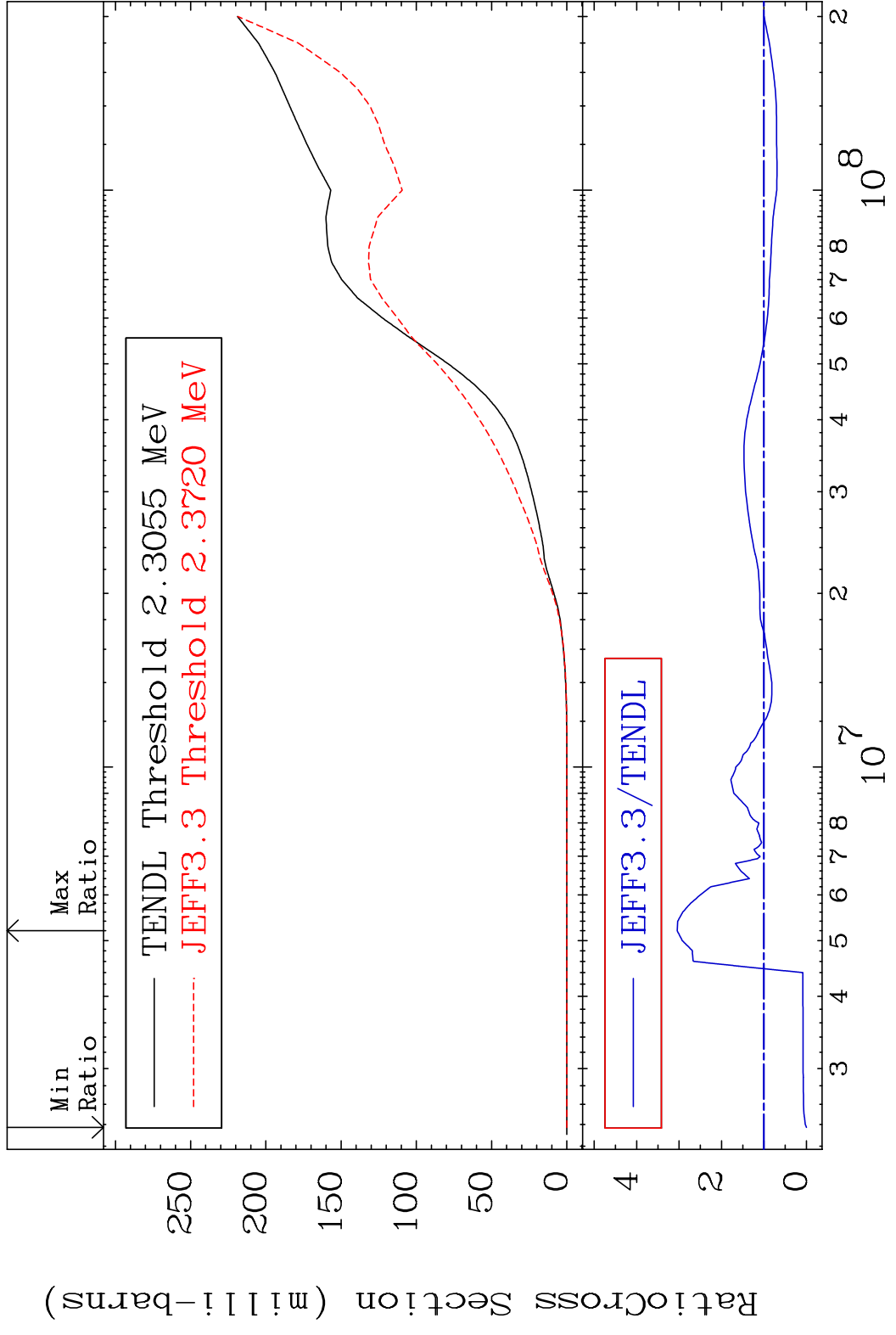
He-3 Production

36-Kr-86

Cross Section -100.0 To 92.48 %

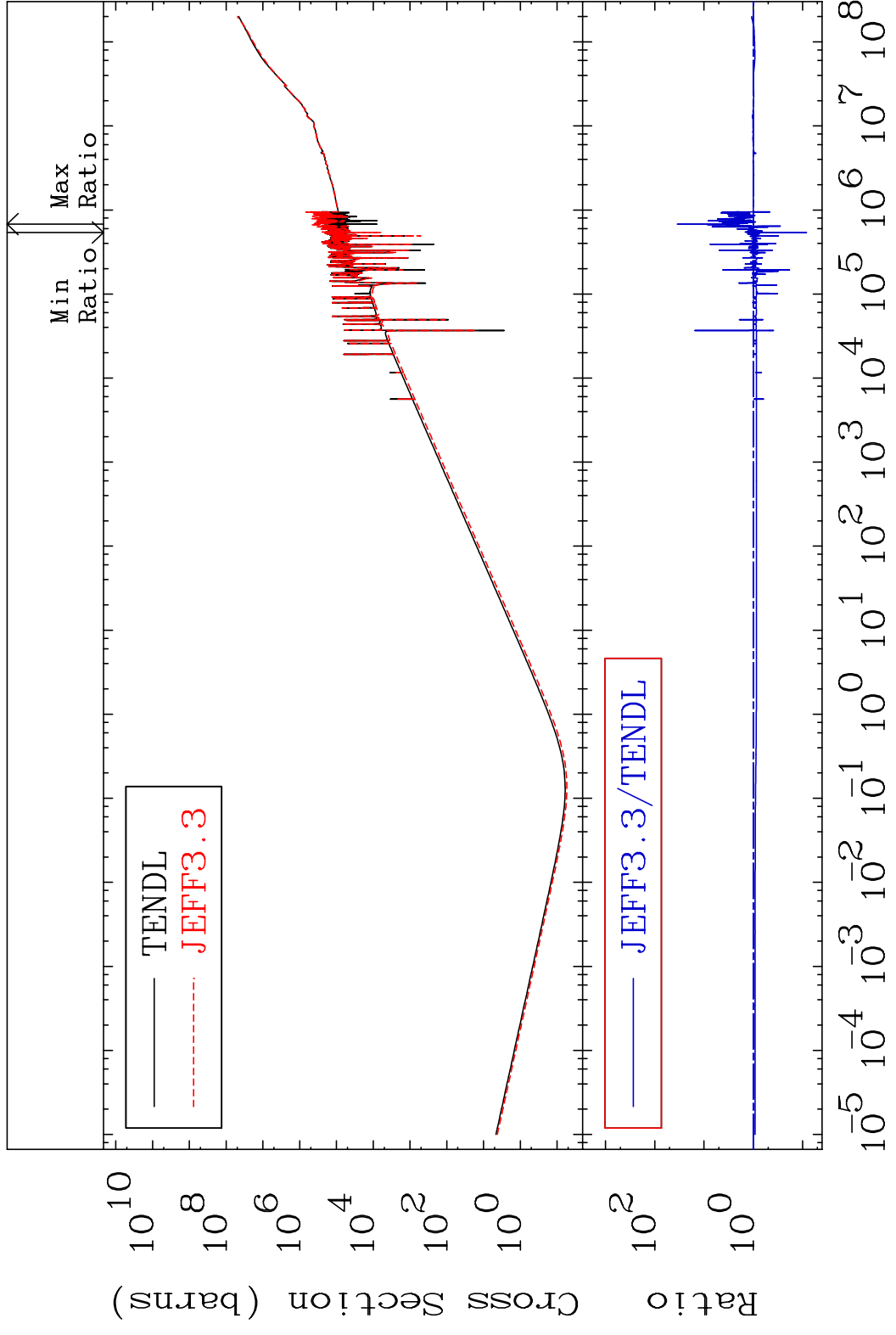


MAT 3649 He-4 Production 36-Kr-86
 Cross Section -100.0 To 204.5 %



MAT 3649

Kerma total (eV-barns) 36-Kr-86
Cross Section -91.66 To 3403. %



61

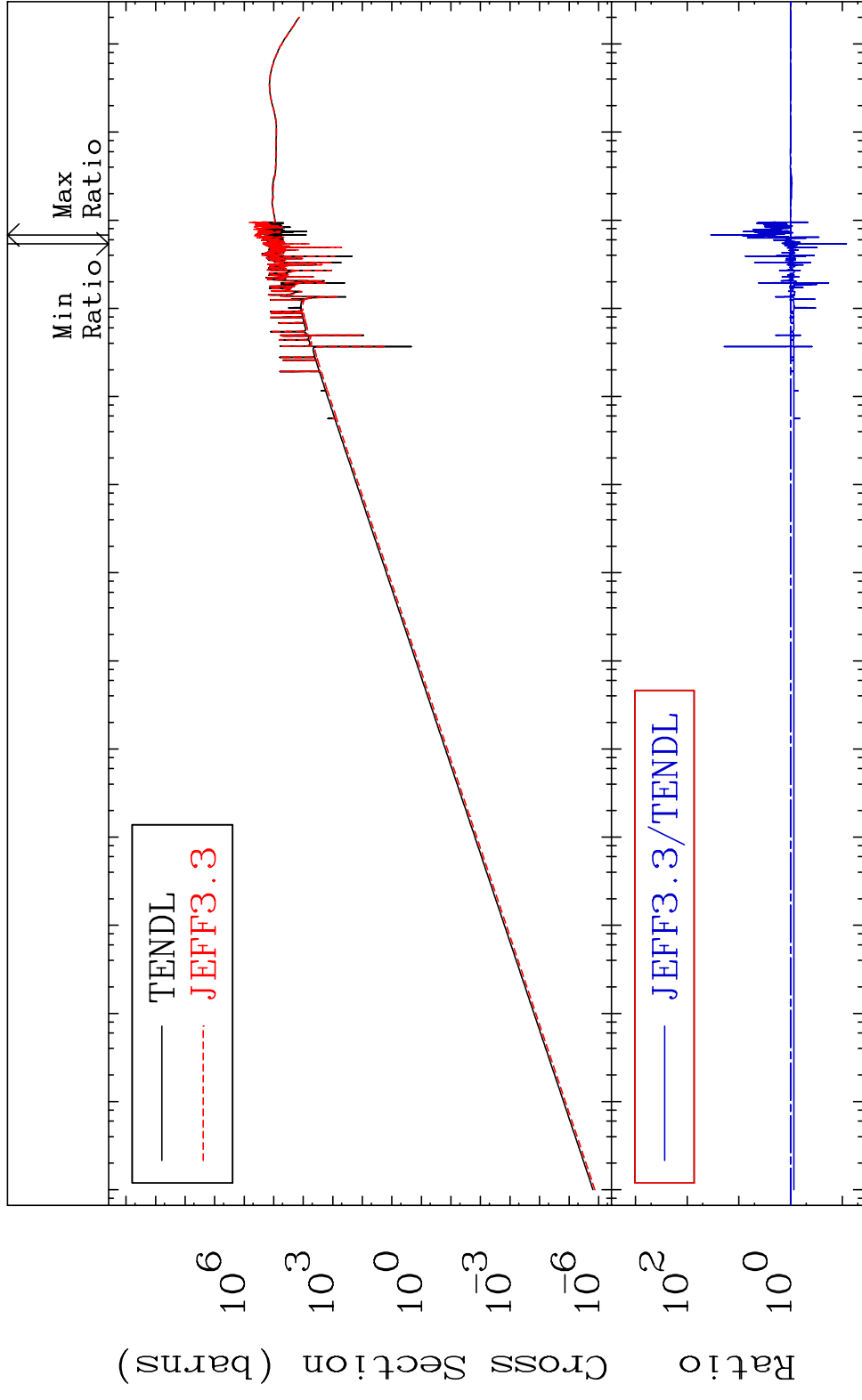
Incident Energy (eV)

36-Kr-86

MAT 3649

Kerma elastic
Cross Section

36-Kr-86
-91.66 To 3403. %

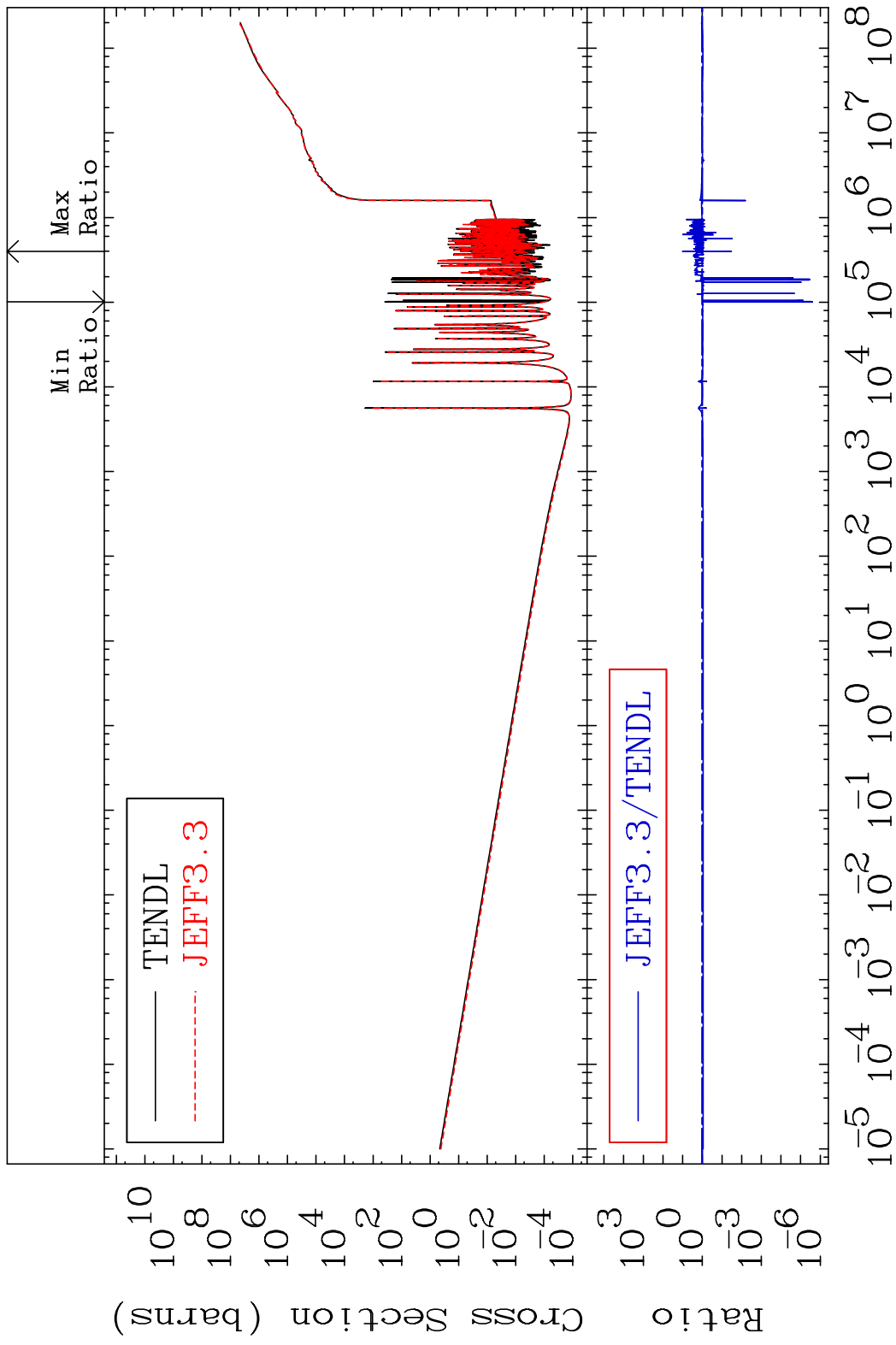


62

Incident Energy (eV)

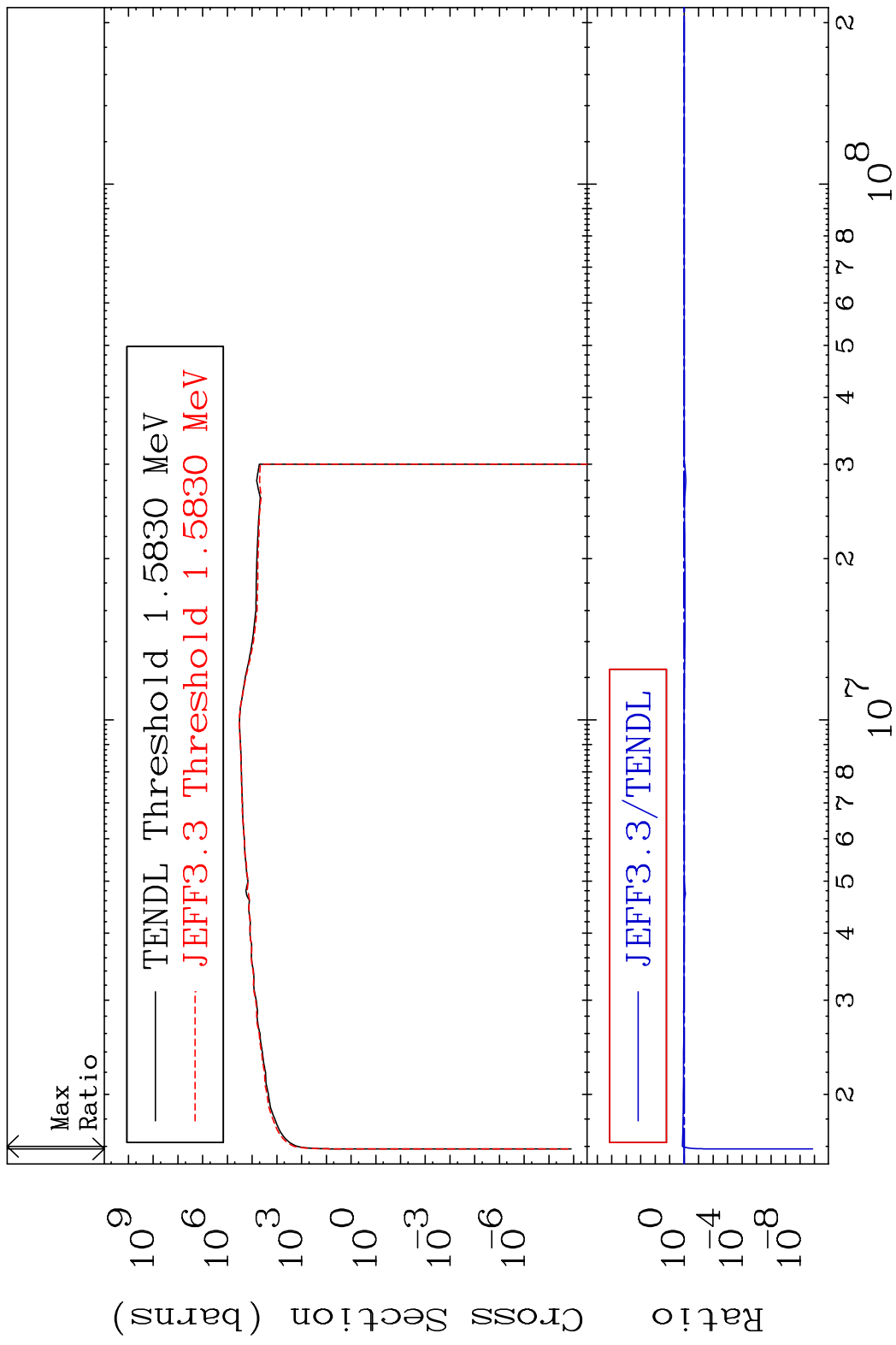
36-Kr-86

MAT 3649 Kerma non-elastic (all but mt2) 36-Kr-86
 Cross Section -100.0 To 934.4 %

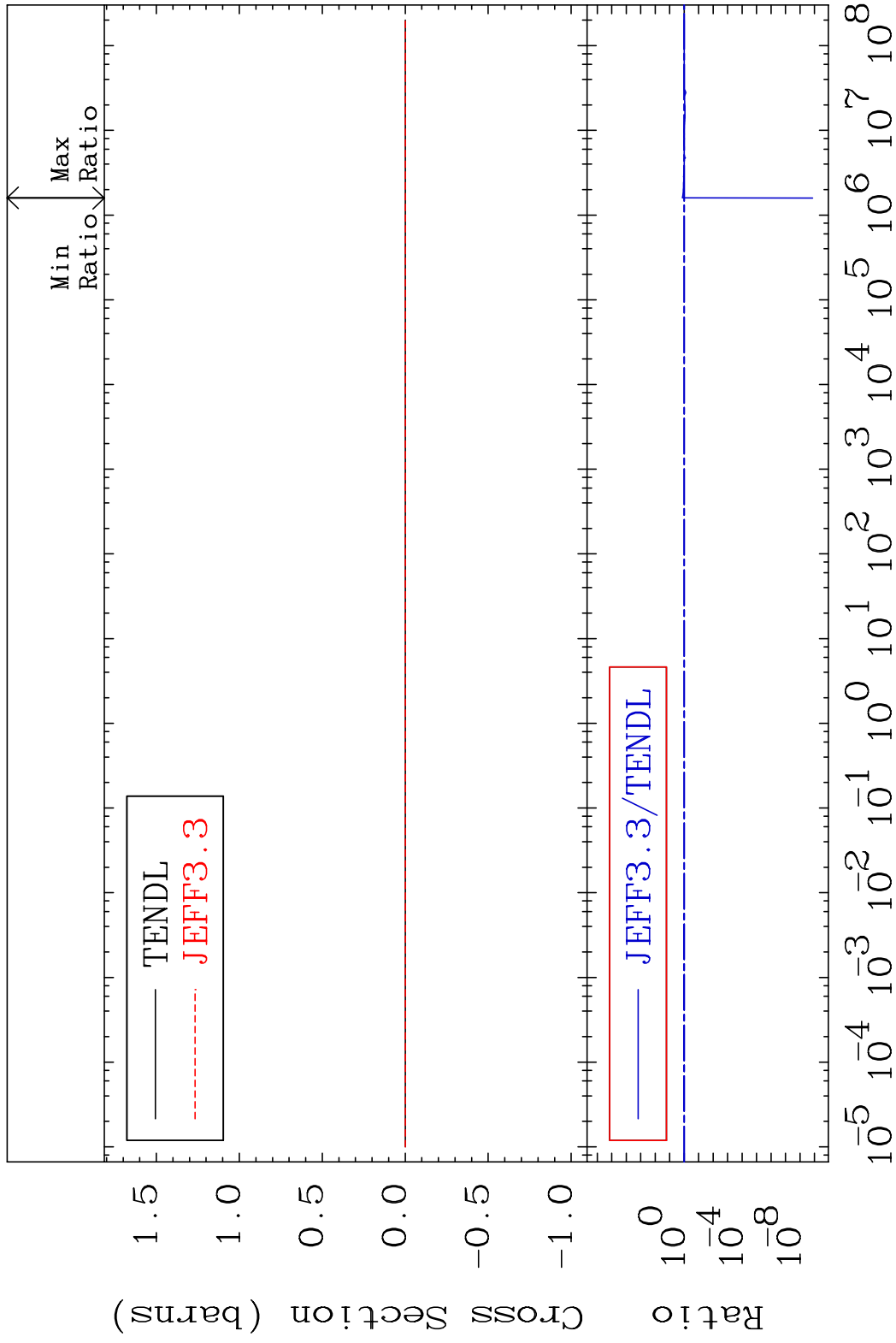


63 Incident Energy (eV) 36-Kr-86

MAT 3649 Kerma inelastic (mt51-91) 36-Kr-86
 Cross Section -100.0 To 32.90 %

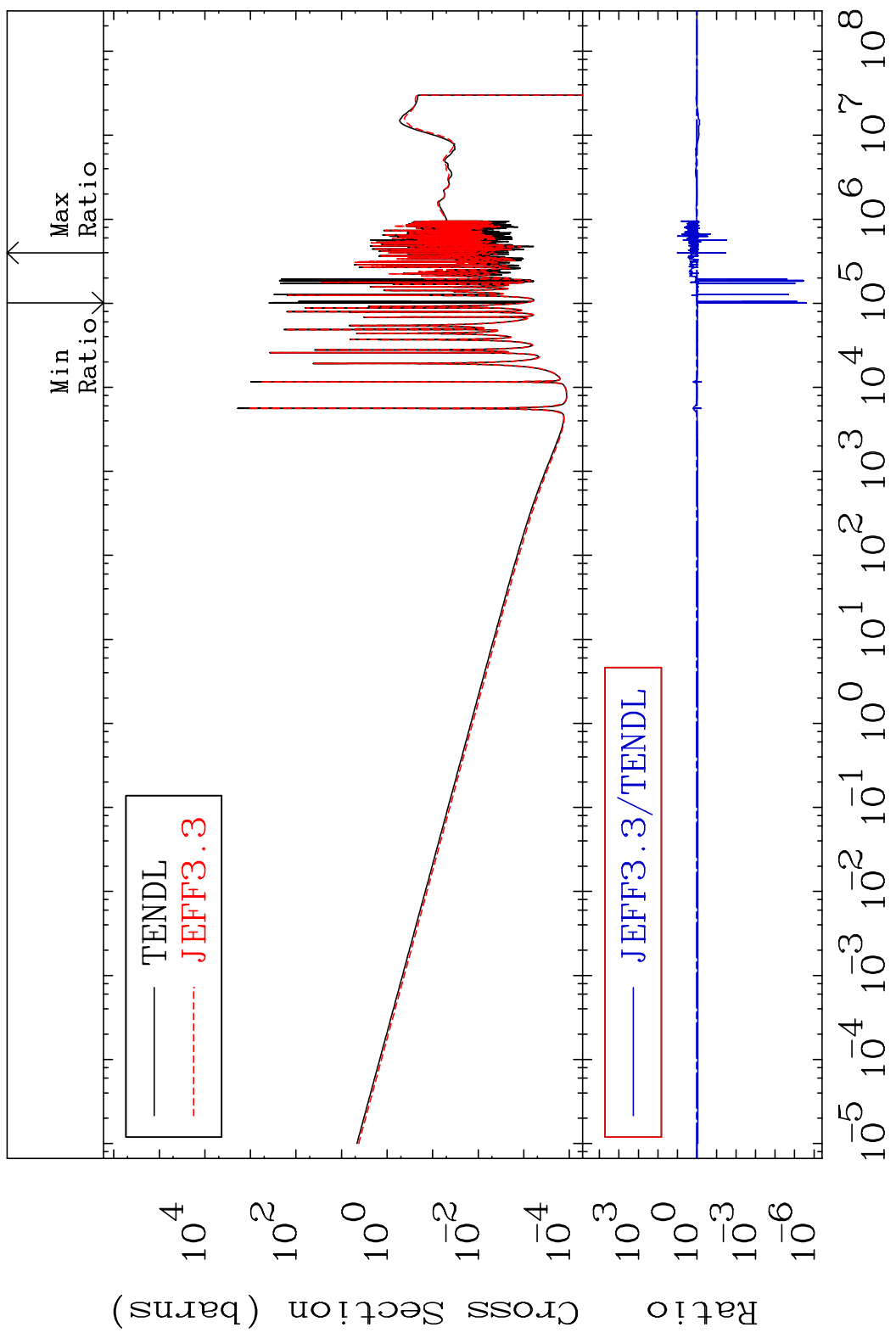


MAT 3649 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-86
 Cross Section -100.0 To 32.90 %



MAT 3649

Kerma capture (mt102) 36-Kr-86
Cross Section -100.0 To 934.4 %

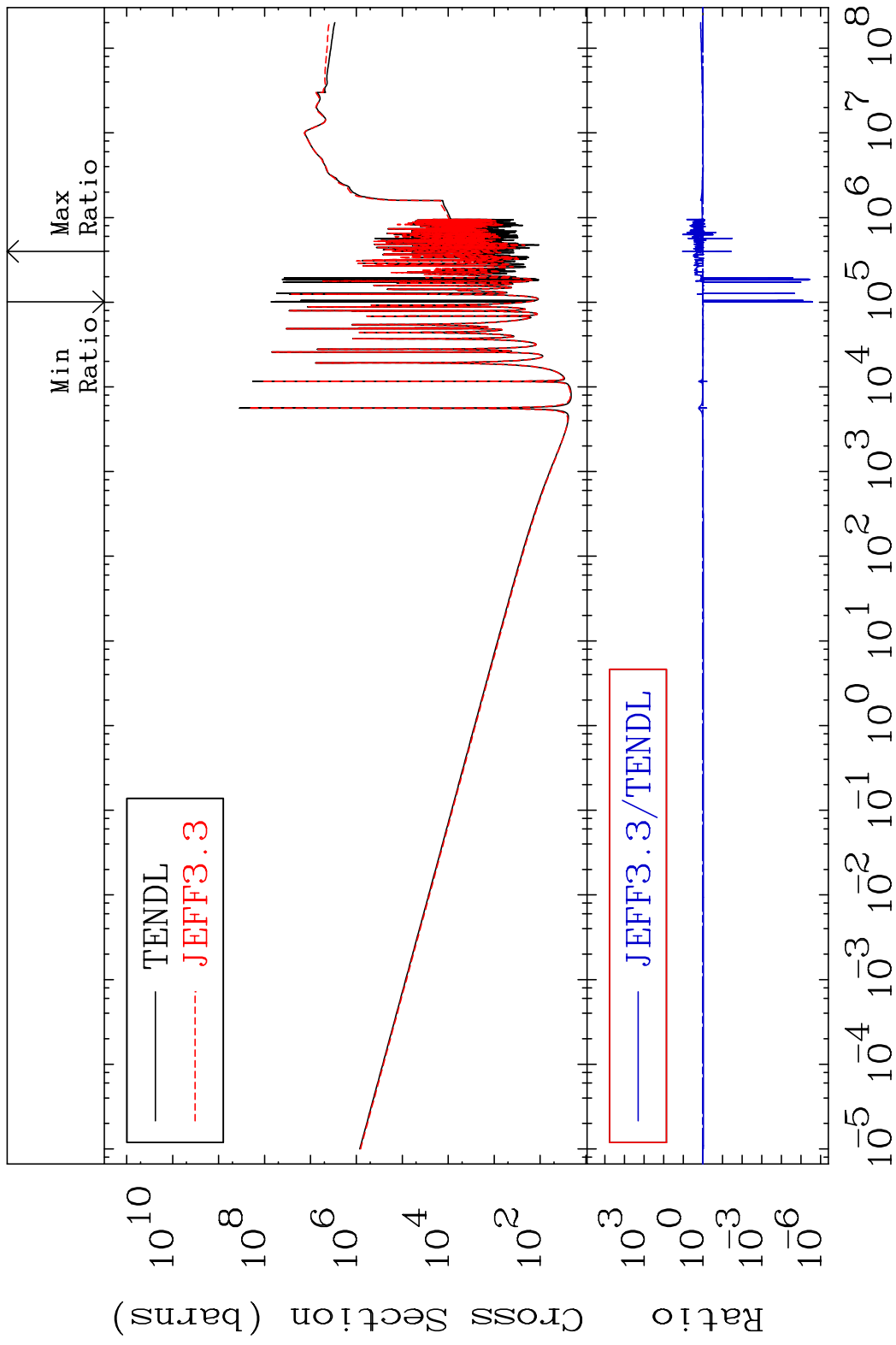


66

Incident Energy (eV)

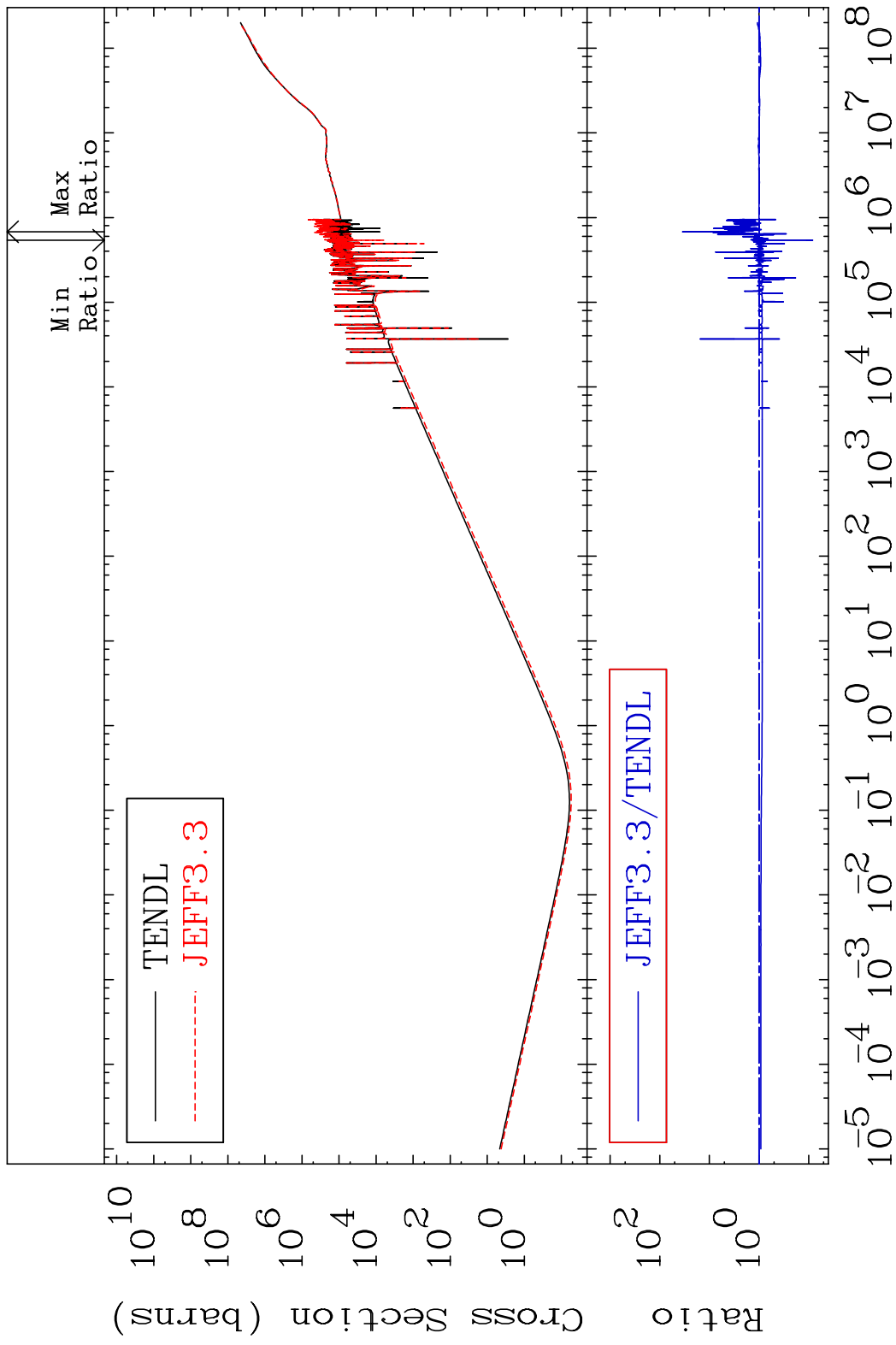
36-Kr-86

MAT 3649 Total photon (eV-barns) 36-Kr-86
 Cross Section -100.0 To 1025. %



67 Incident Energy (eV) 36-Kr-86

MAT 3649 Total kinematic kerma (high limit) 36-Kr-86
 Cross Section -91.66 To 3403. %

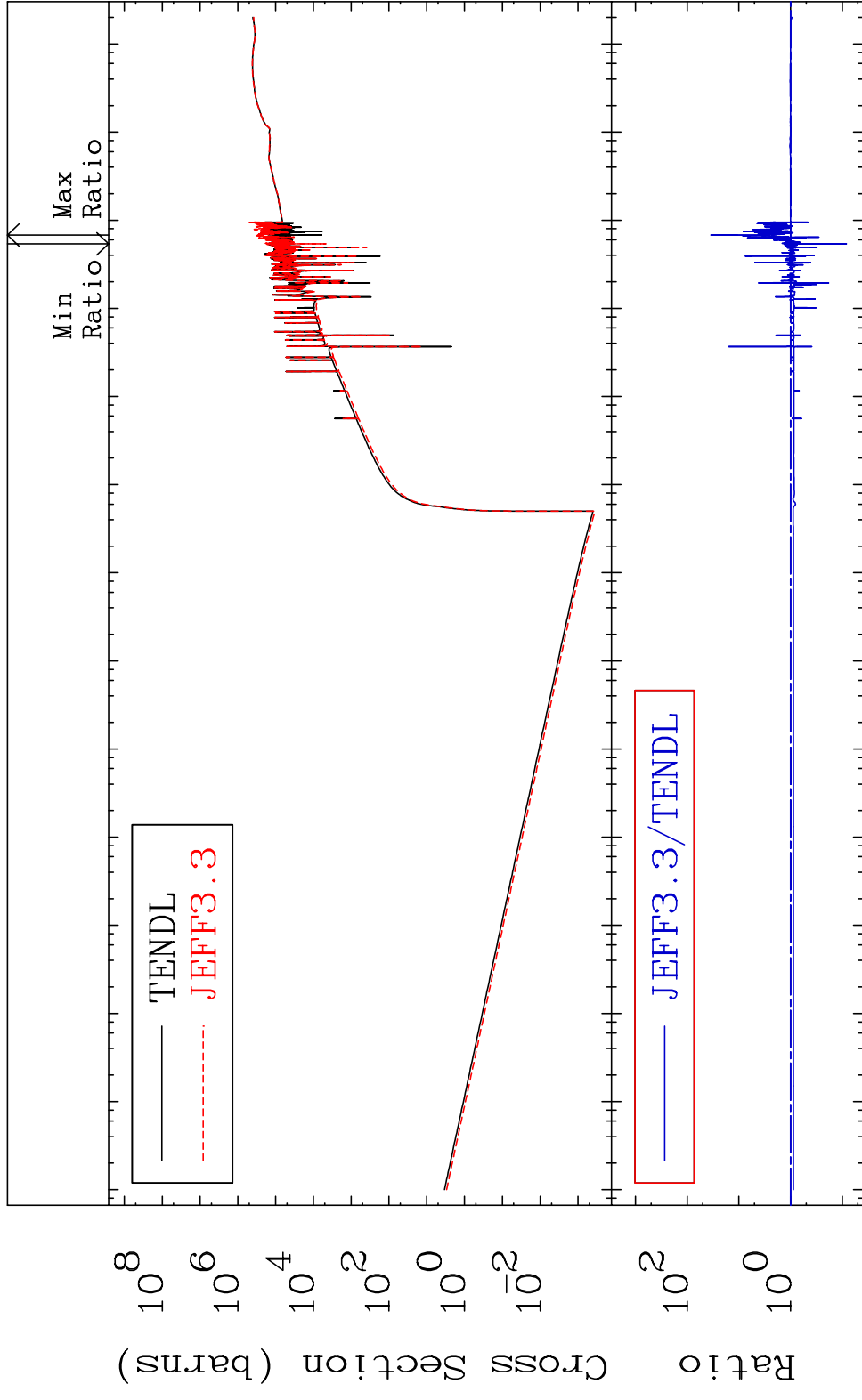


MAT 3649

Dpa total (eV-barns)

36-Kr-86

Cross Section -91.66 To 3403. %



69

Incident Energy (eV)

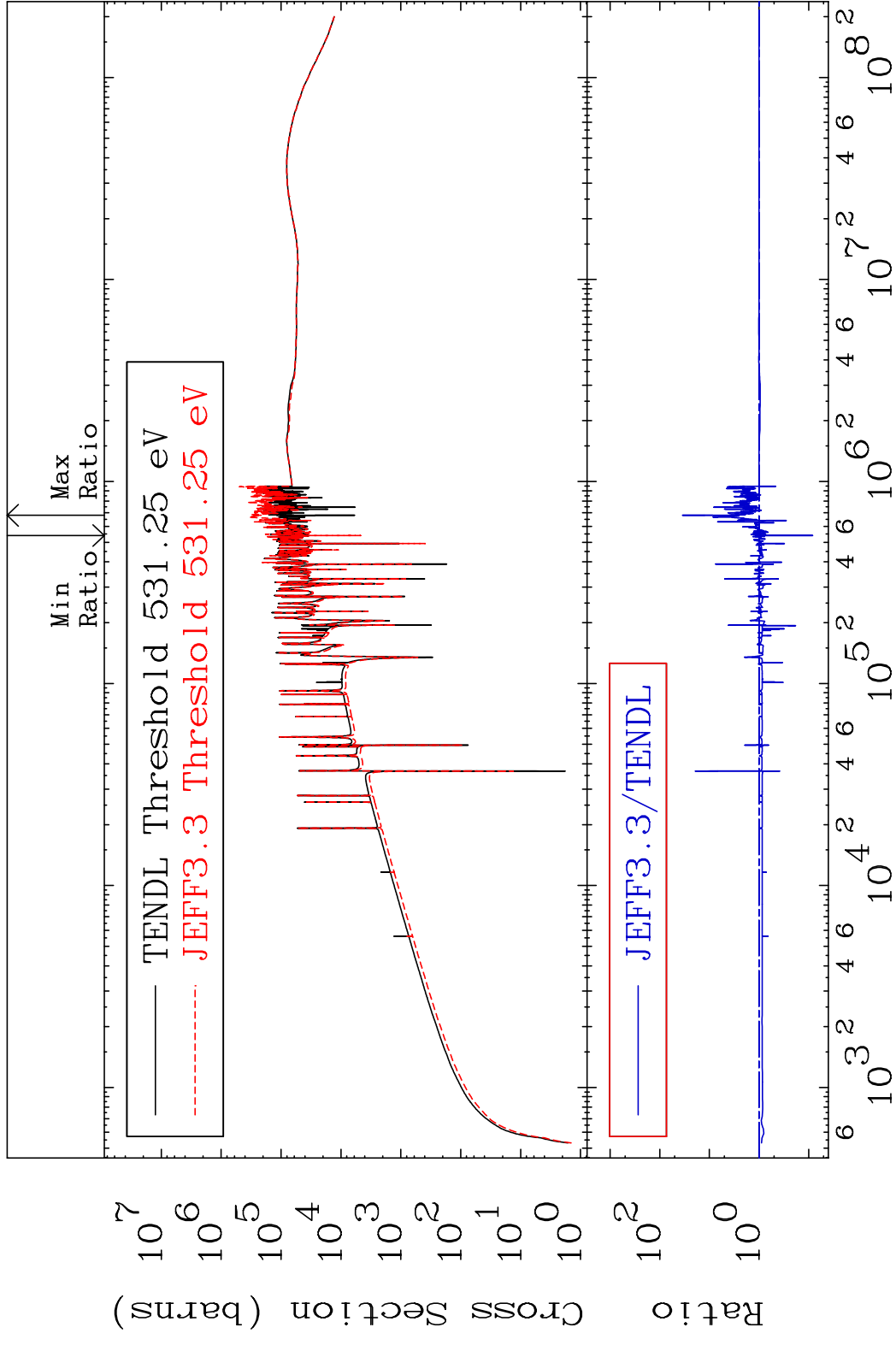
36-Kr-86

MAT 3649

Dpa elastic (mt2)

36-Kr-86

Cross Section -91.66 To 3403. %

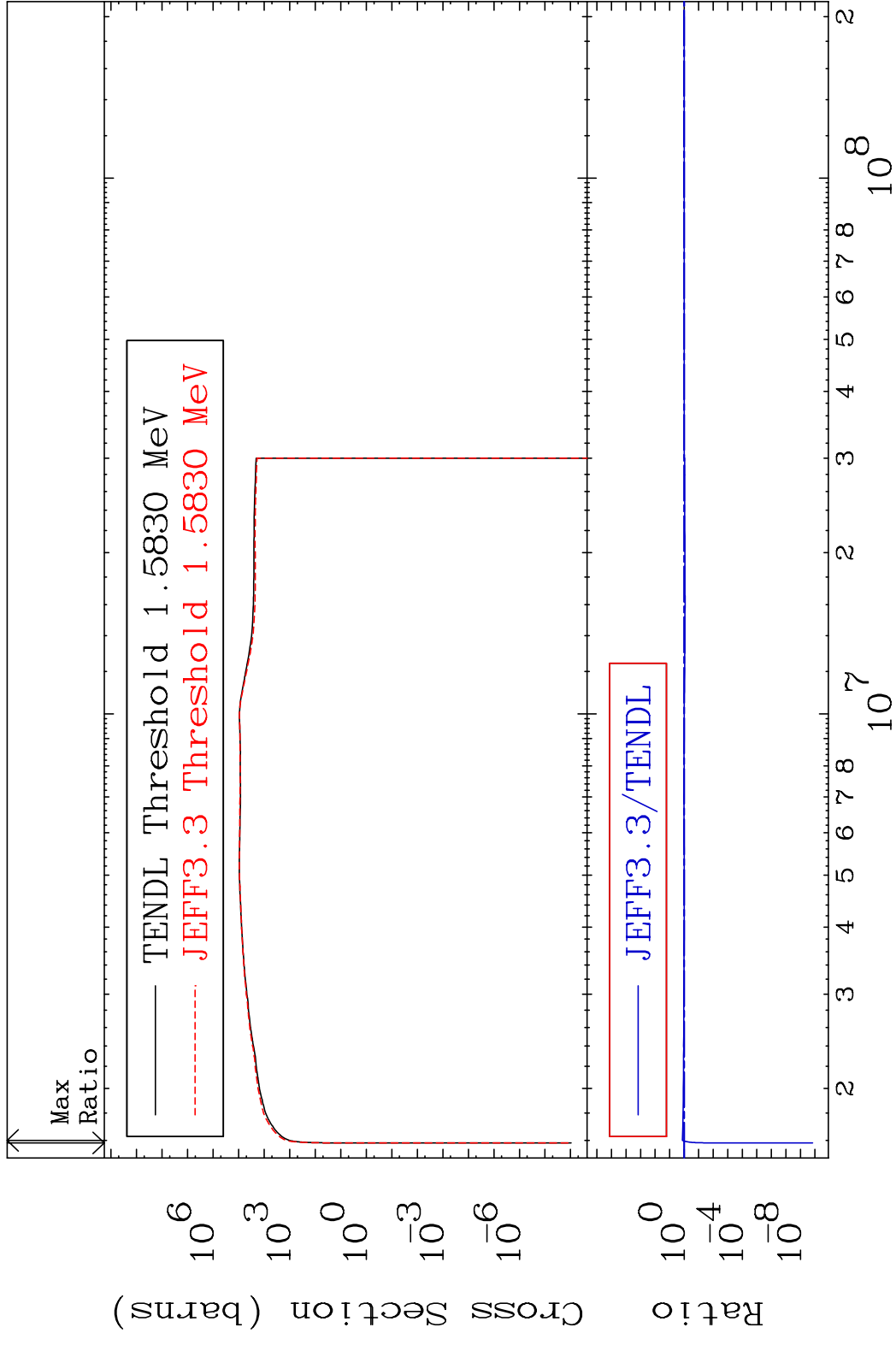


70

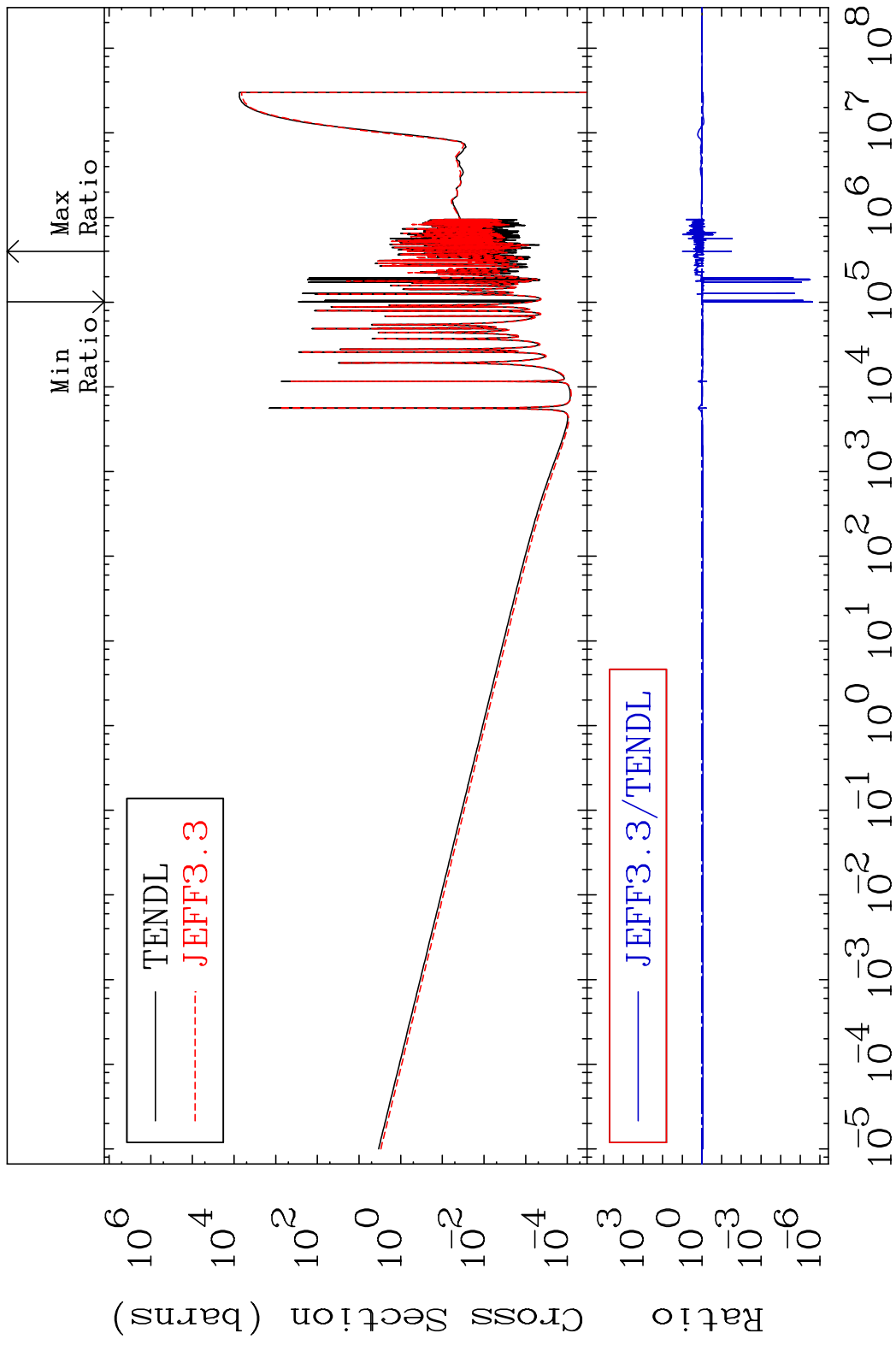
Incident Energy (eV)

36-Kr-86

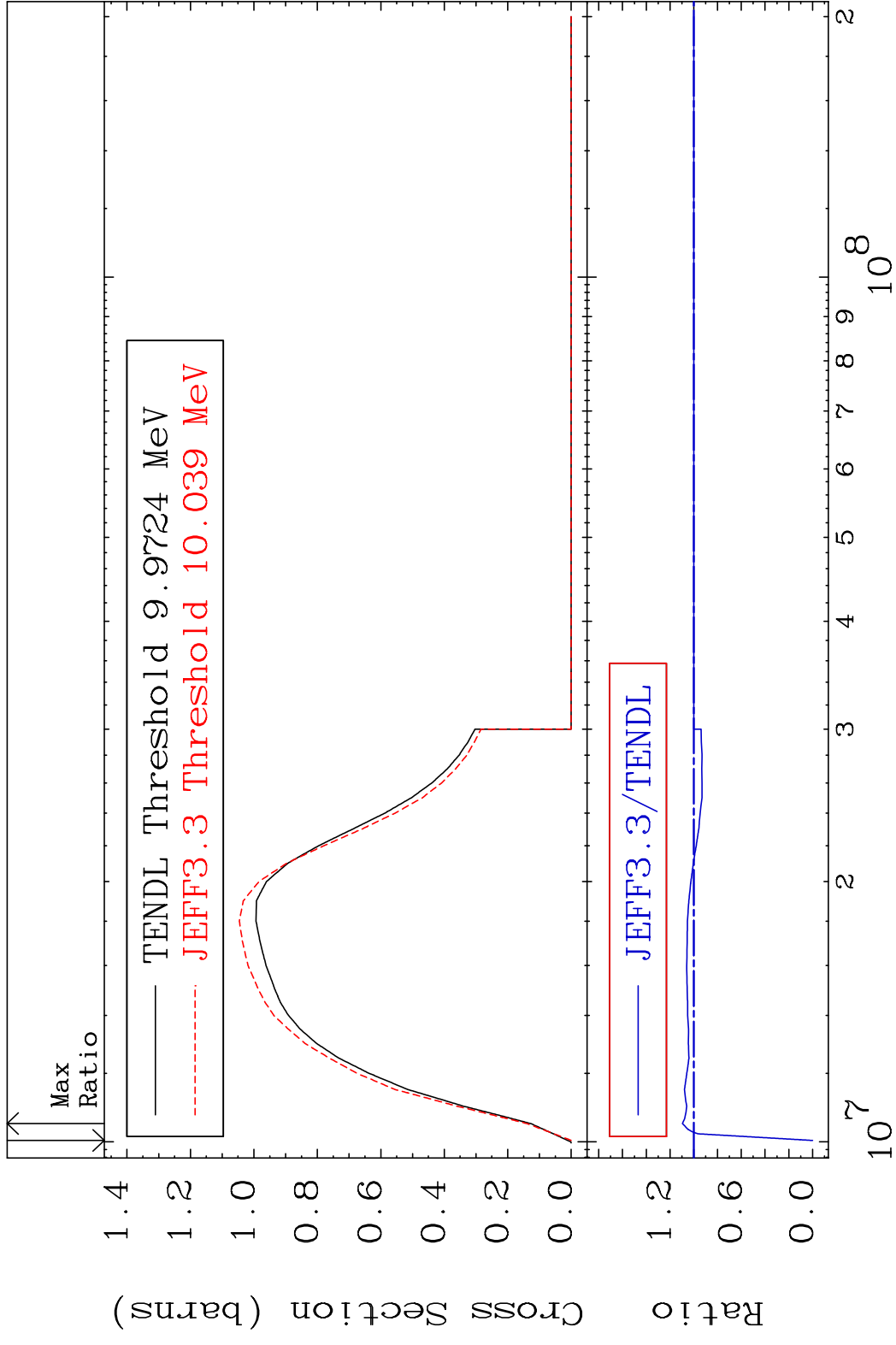
MAT 3649 Dpa inelastic (mt51-91) 36-Kr-86
 Cross Section -100.0 To 32.96 %



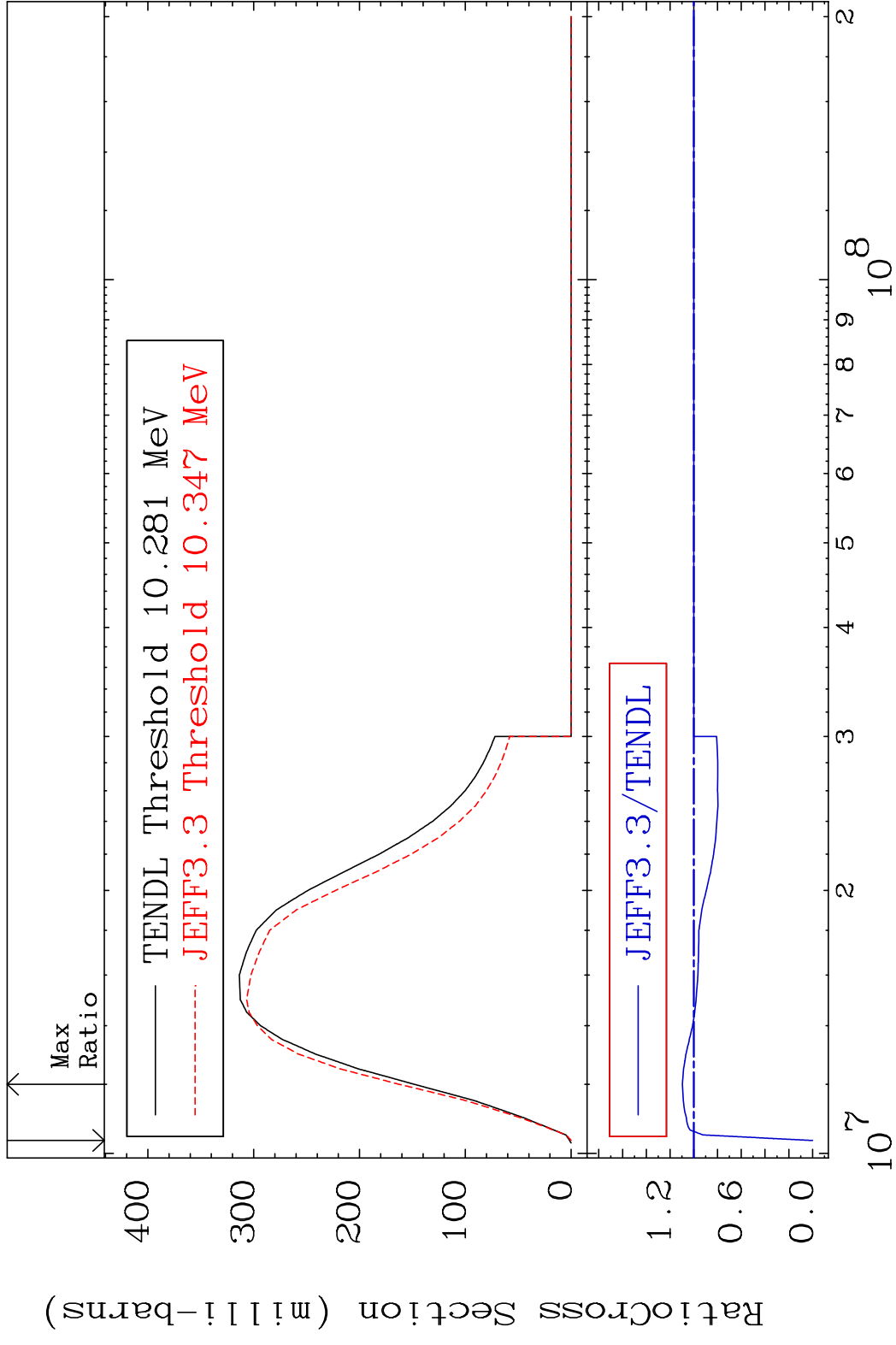
MAT 3649 Dpa disappearance (mt102 -120) 36-Kr-86
 Cross Section -100.0 To 891.0 %



MAT 3649 (n,2n):36-Kr-85g 36-Kr-86
 Radionuclide Production Cross Section 180.01 dth 9.623 %

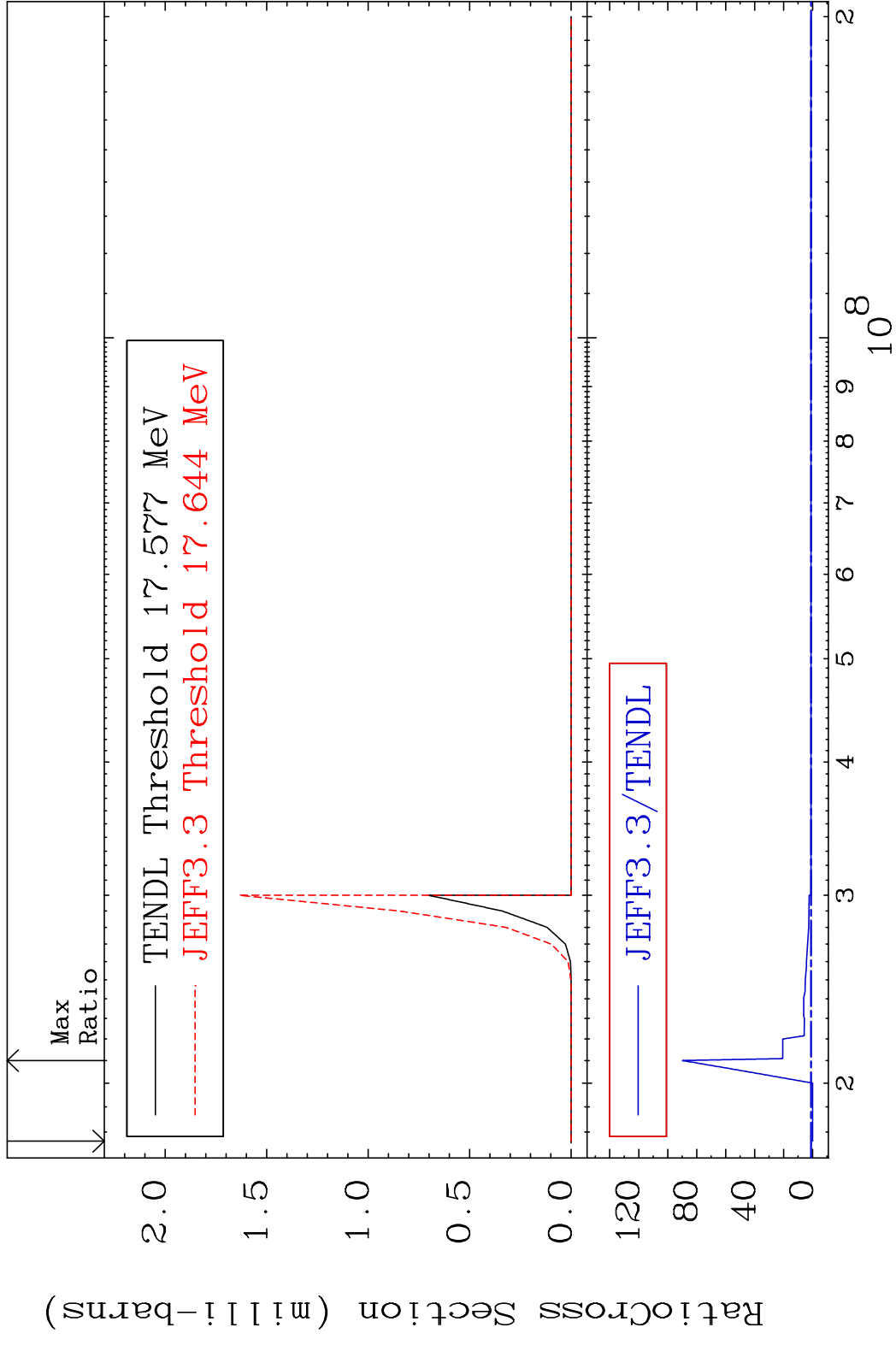


MAT 3649 (n,2n):36-Kr-85m1 36-Kr-86
 Radionuclide Production Cross Section Ratio 9.639 %

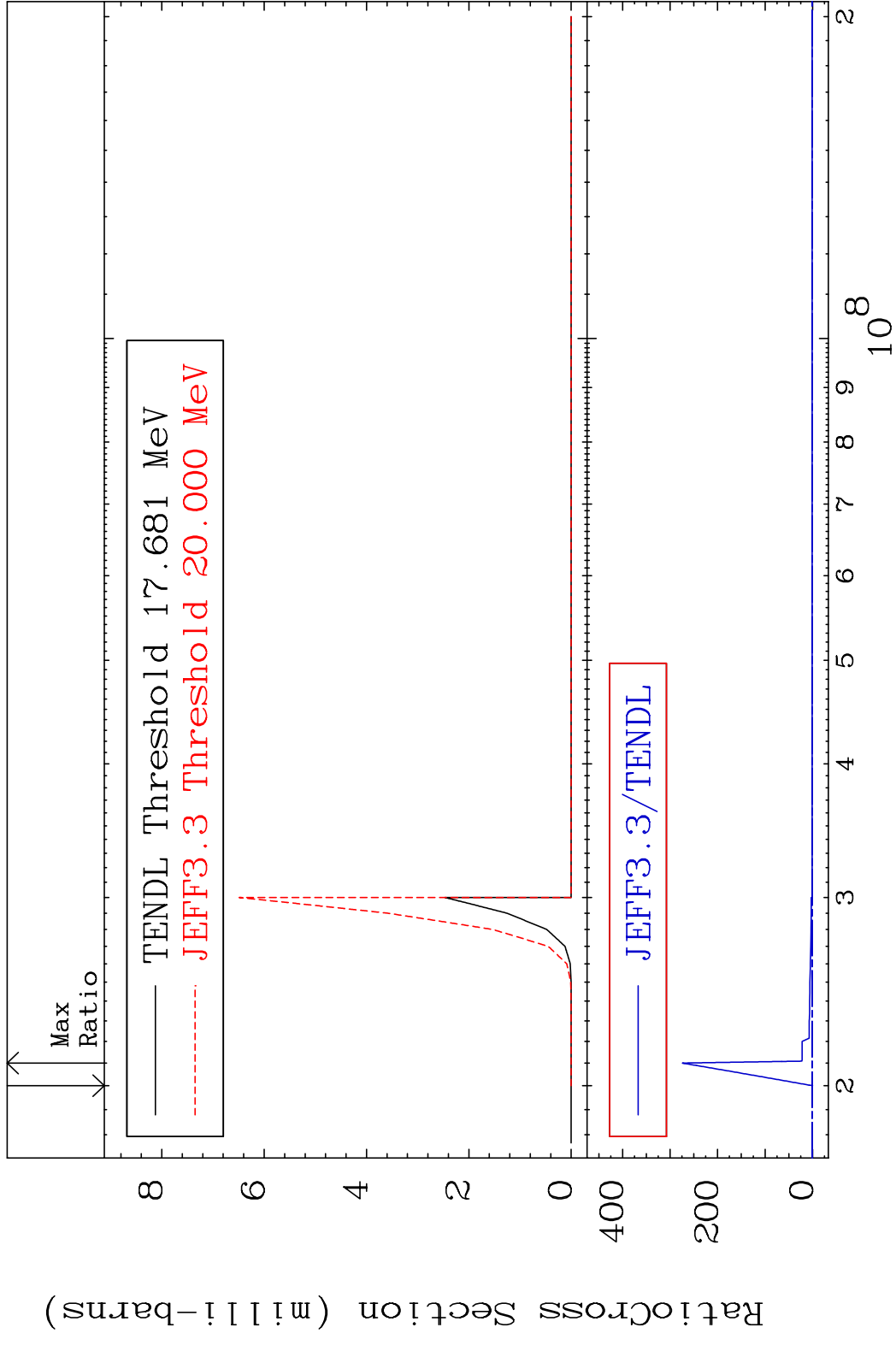


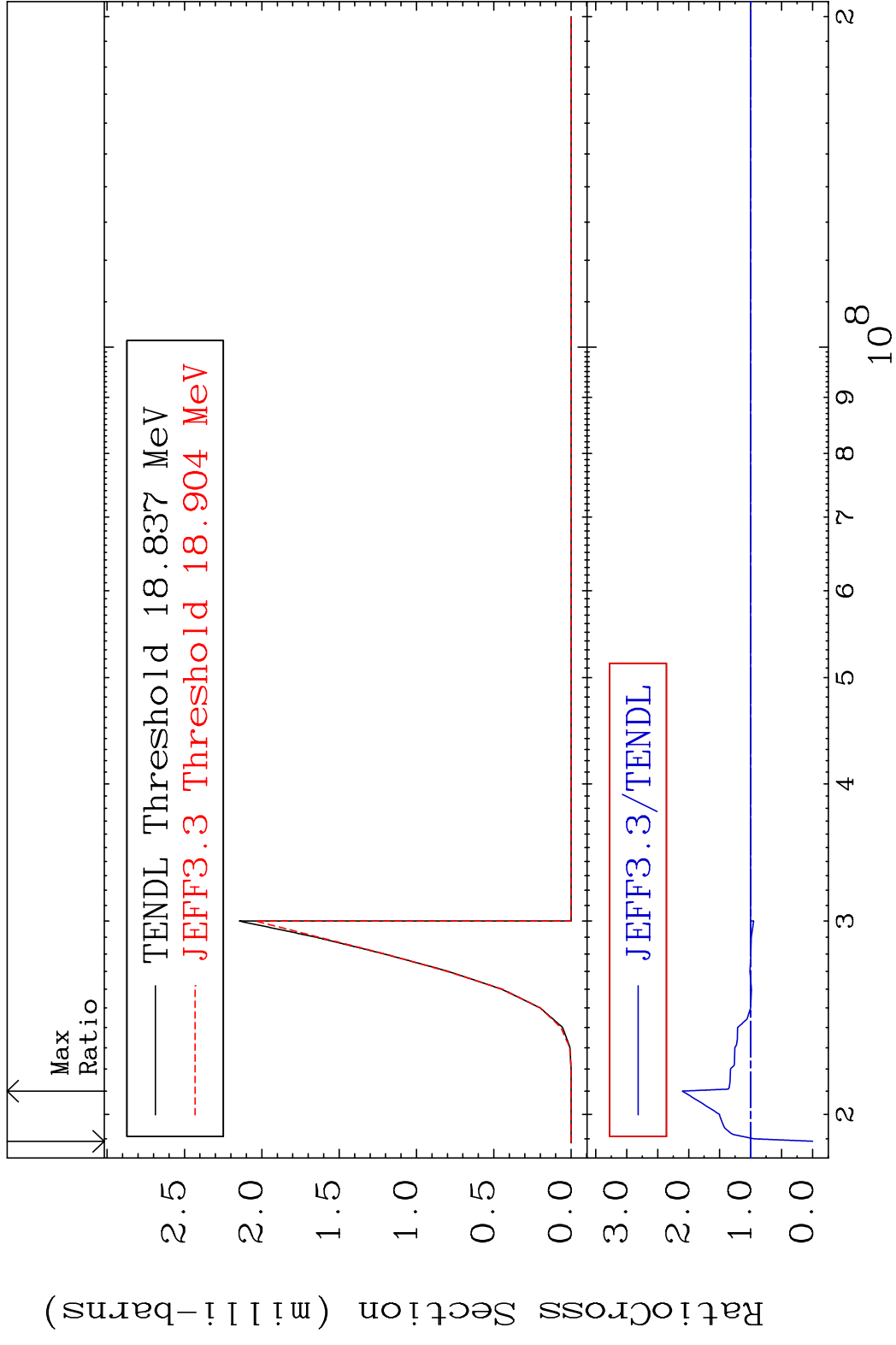
74 Incident Energy (eV) 36-Kr-86

MAT 3649 (n,2n) α :34-Se-81g 36-Kr-86
 Radionuclide Production Cross Section 180.01 dth 8888. %

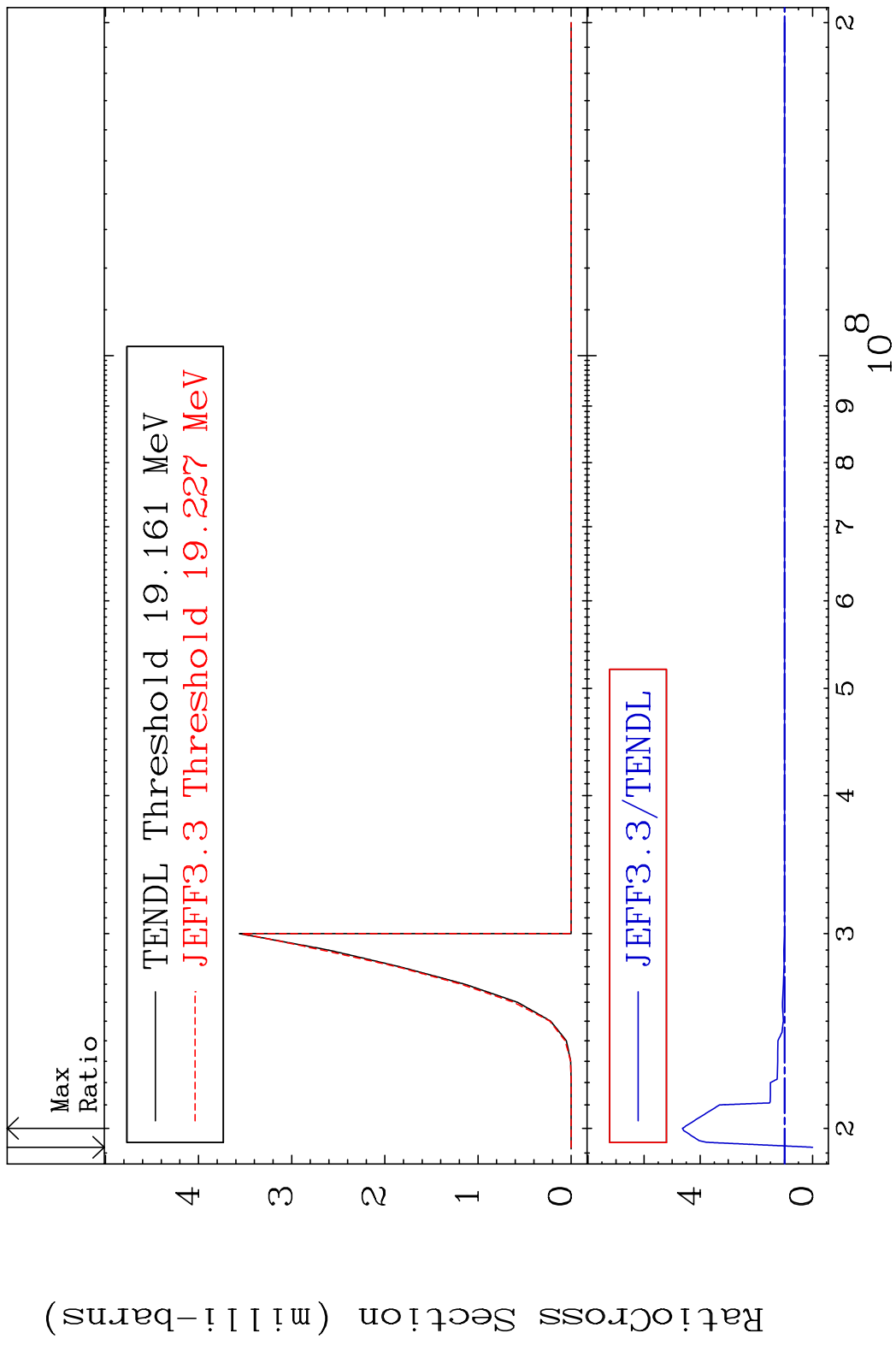


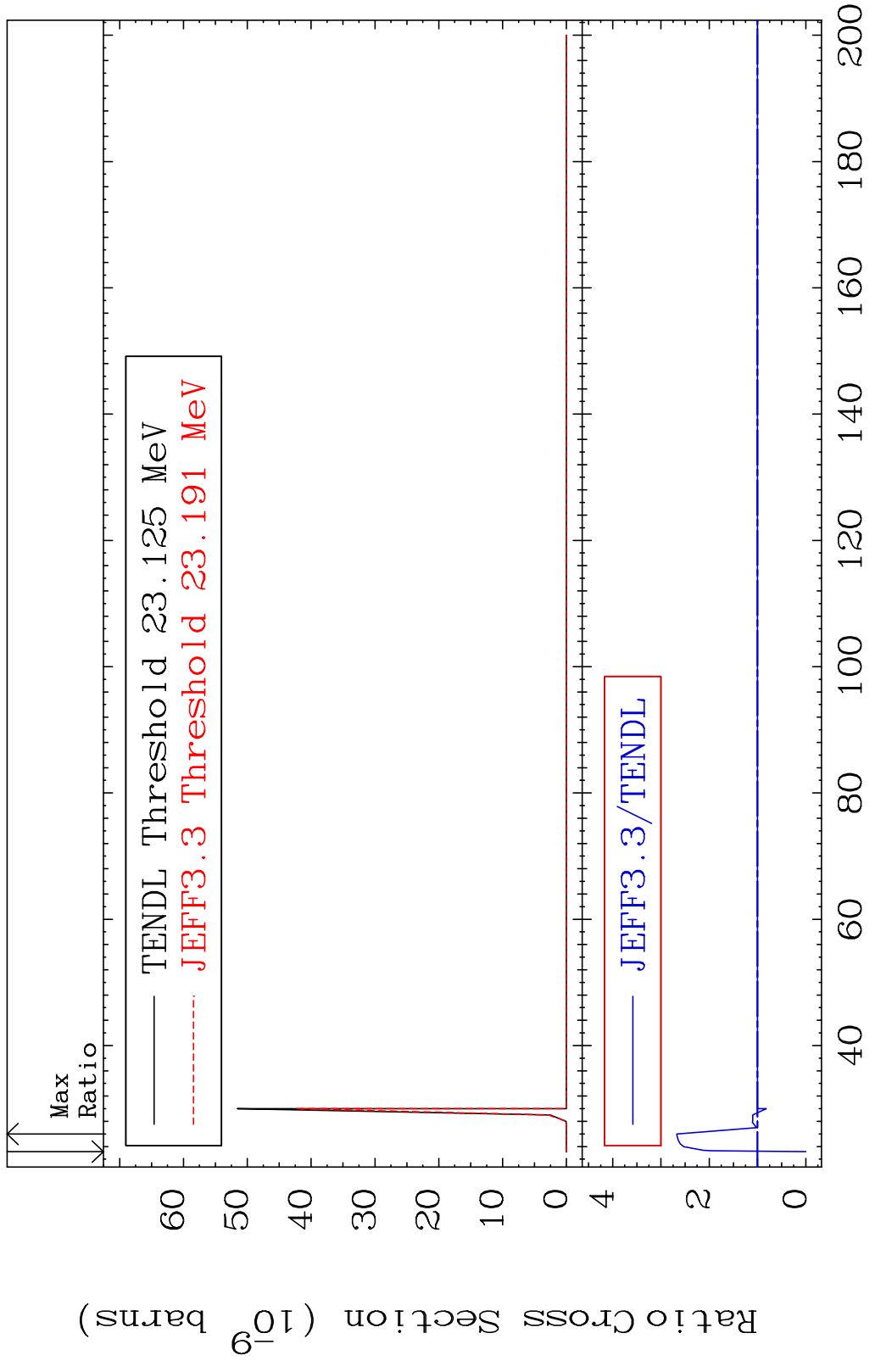
MAT 3649 (n,2n) α :34-Se-81m1 36-Kr-86
 Radionuclide Production Cross Section Ratio 9999. %



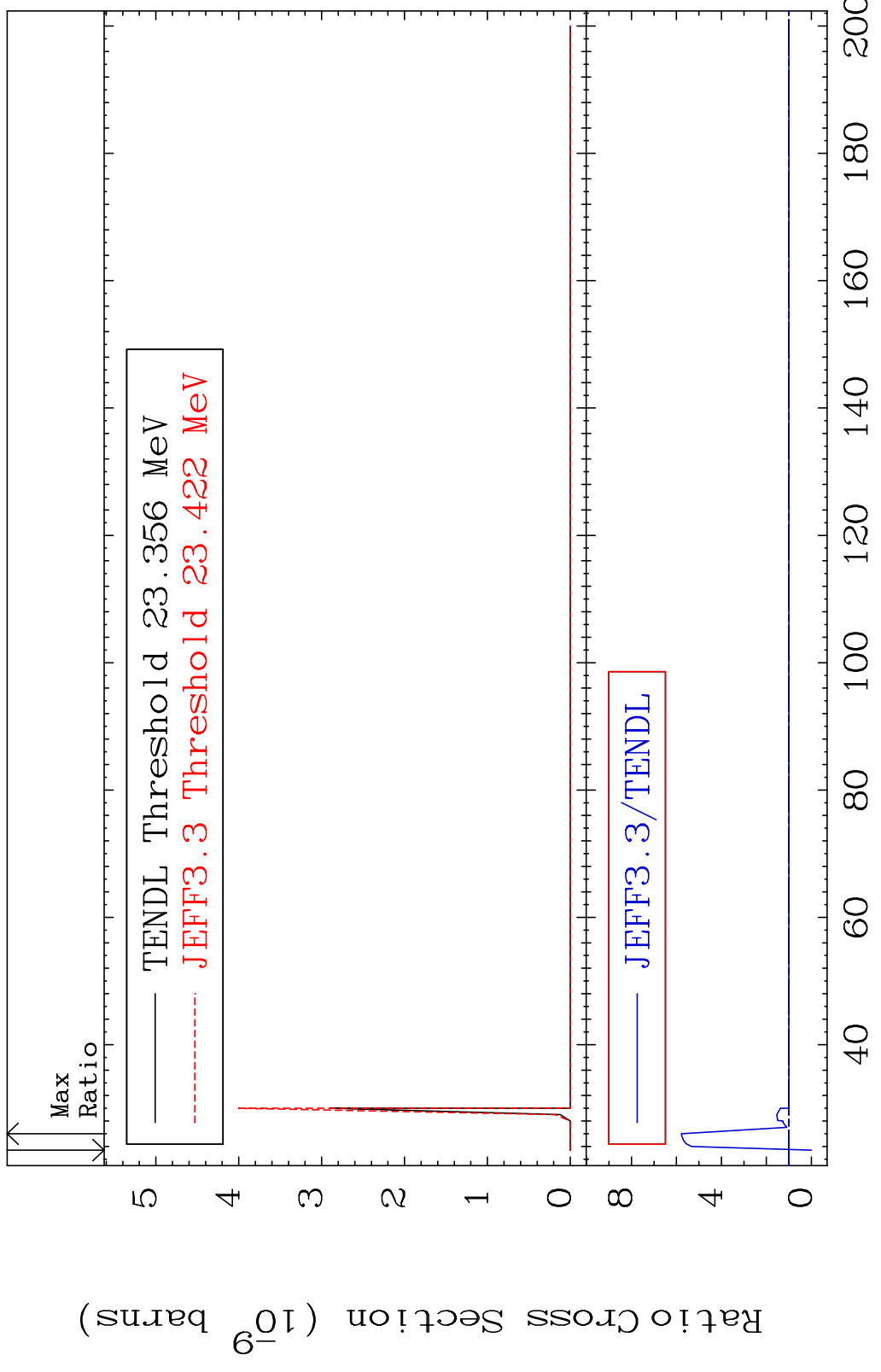


MAT 3649 (n, n') d:35-Br-84m1 36-Kr-86
 Radionuclide Production Cross Section 180.01 dth 363.7 %



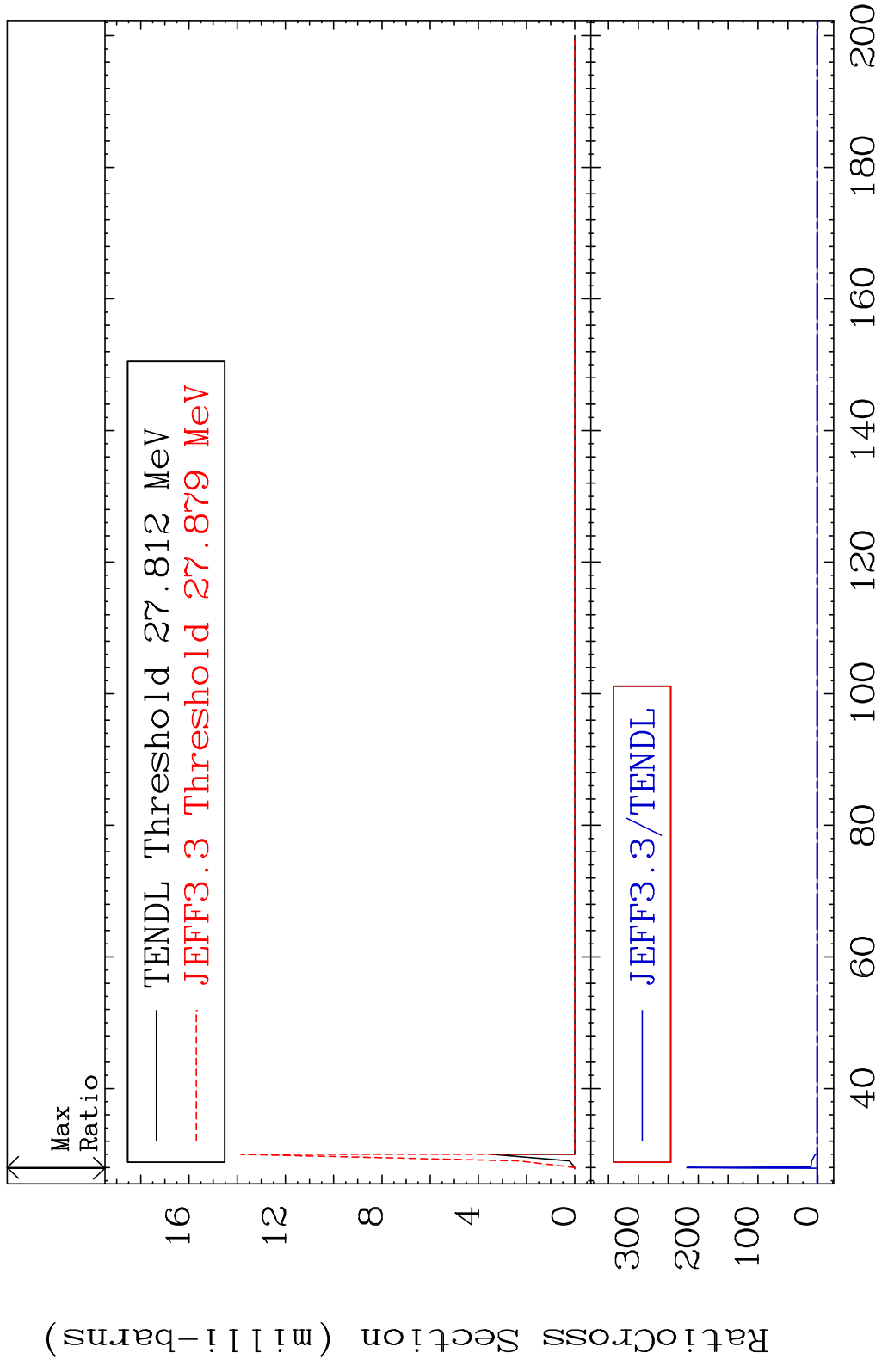


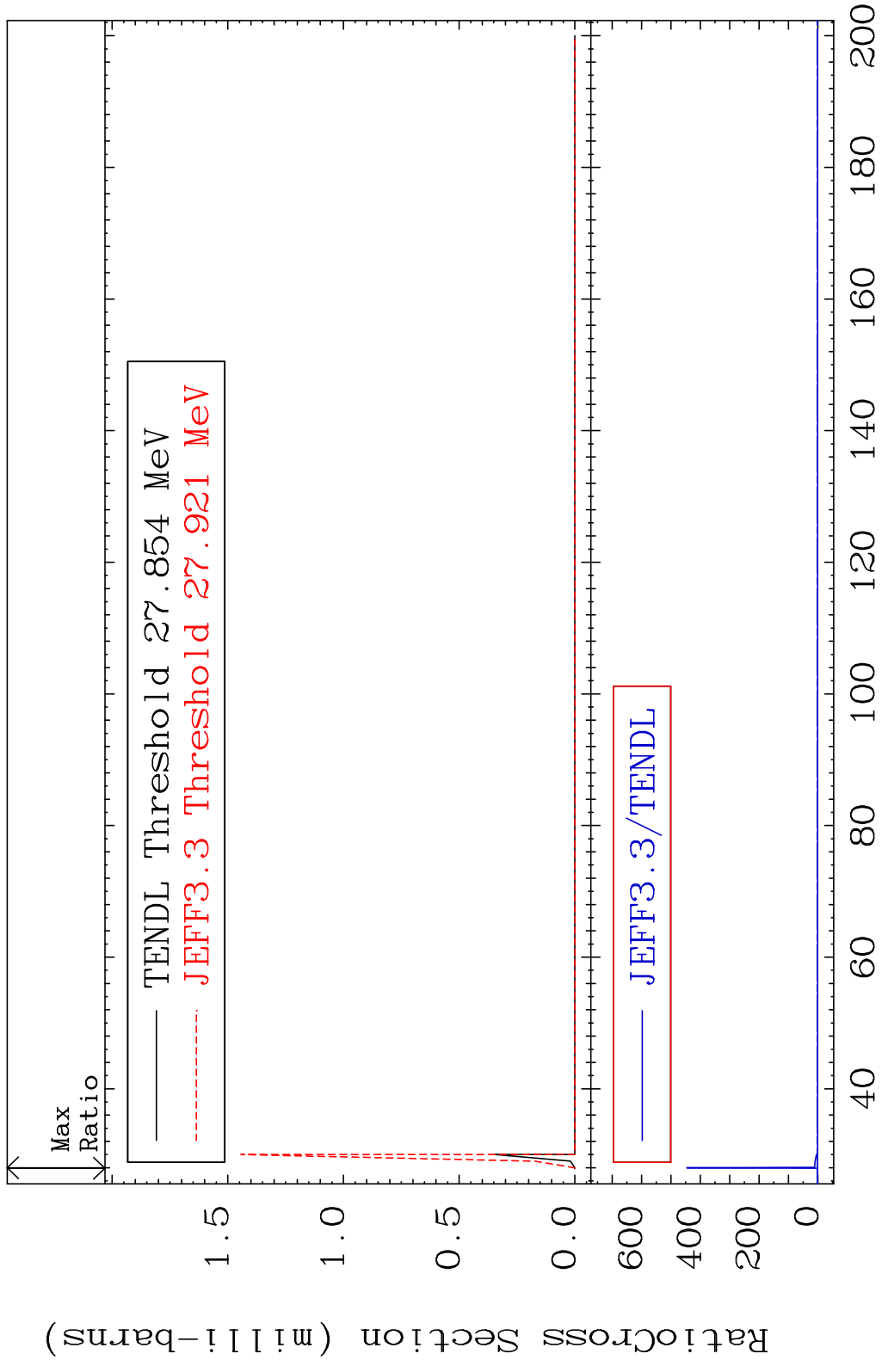
MAT 3649 (n, n') He-3:34-Se-83m1 36-Kr-86
 Radionuclide Production Cross Section 1800 d to 478.2 %

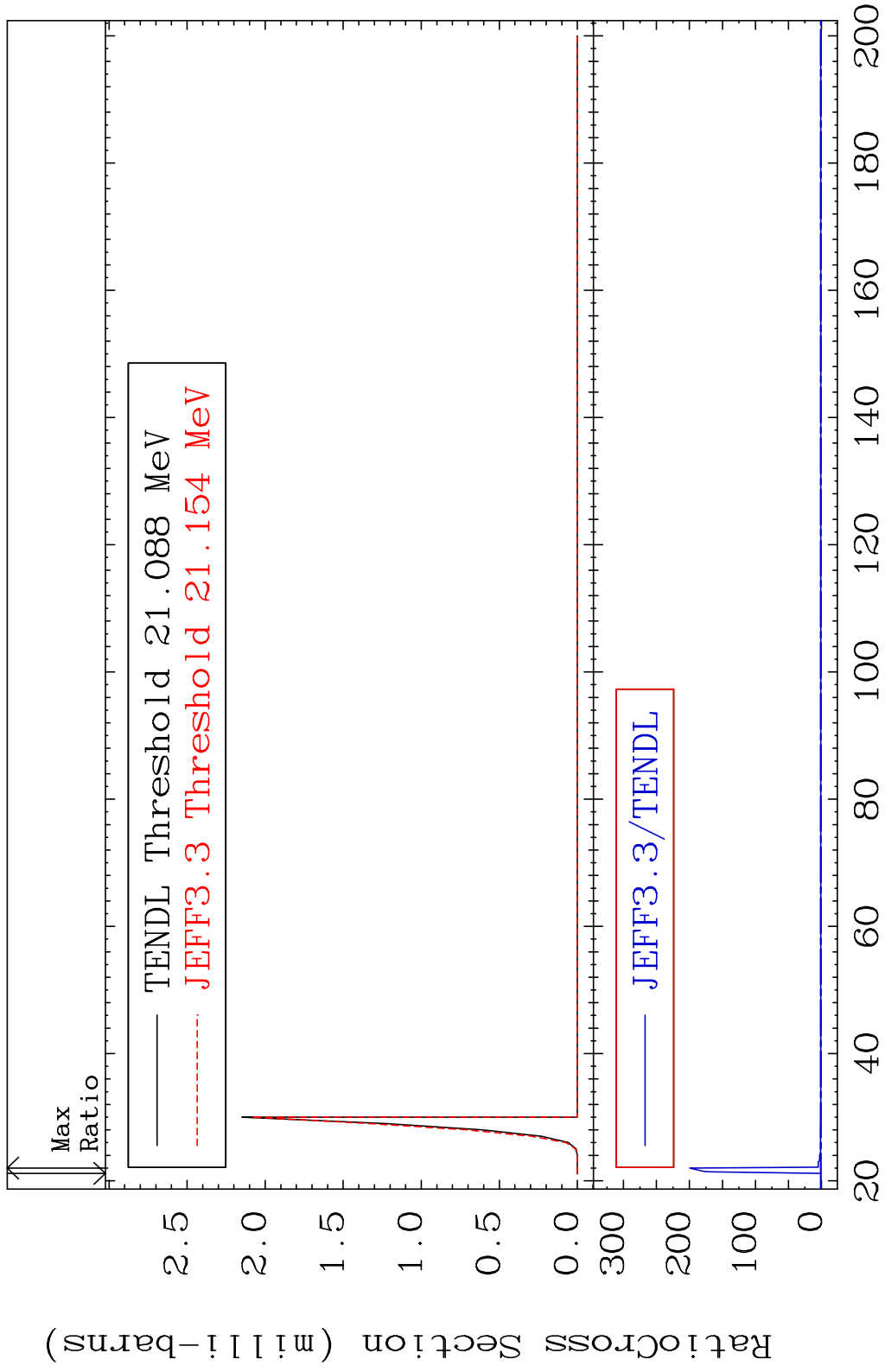


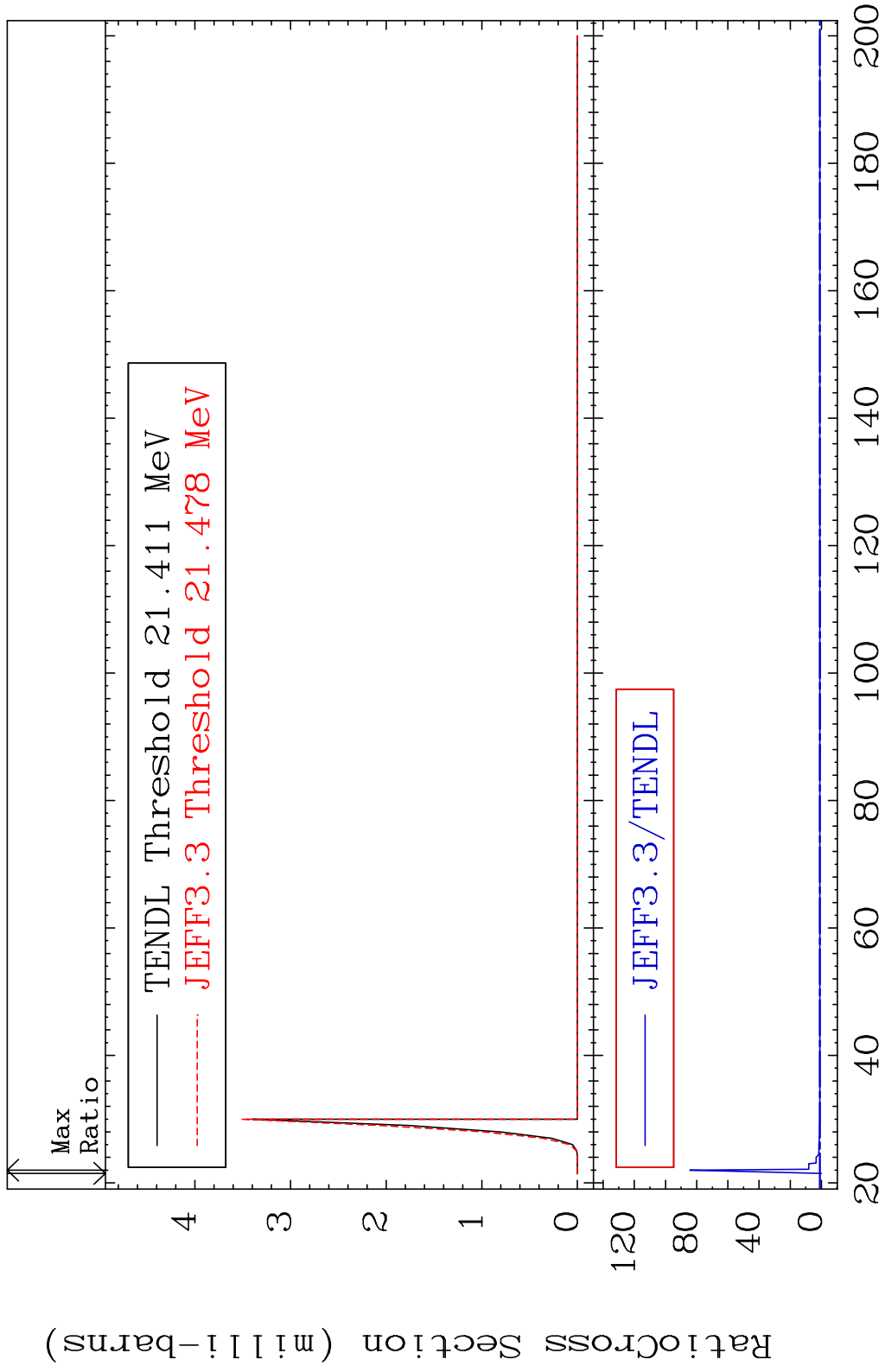
80 Incident Energy (MeV) 36-Kr-86

MAT 3649 (n,4n):36-Kr-83g 36-Kr-86
 Radionuclide Production Cross Section 1800 d to 9999. %

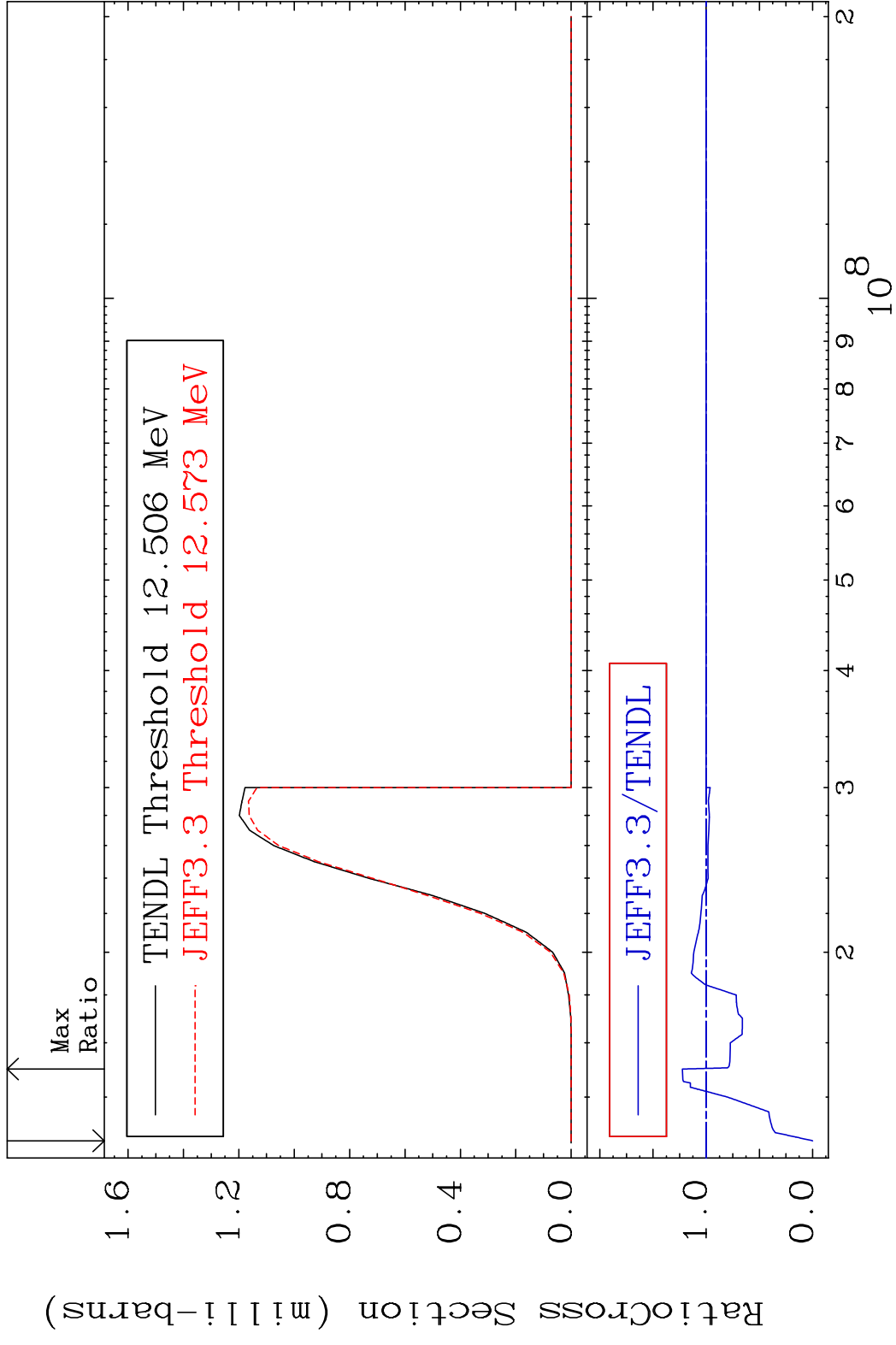


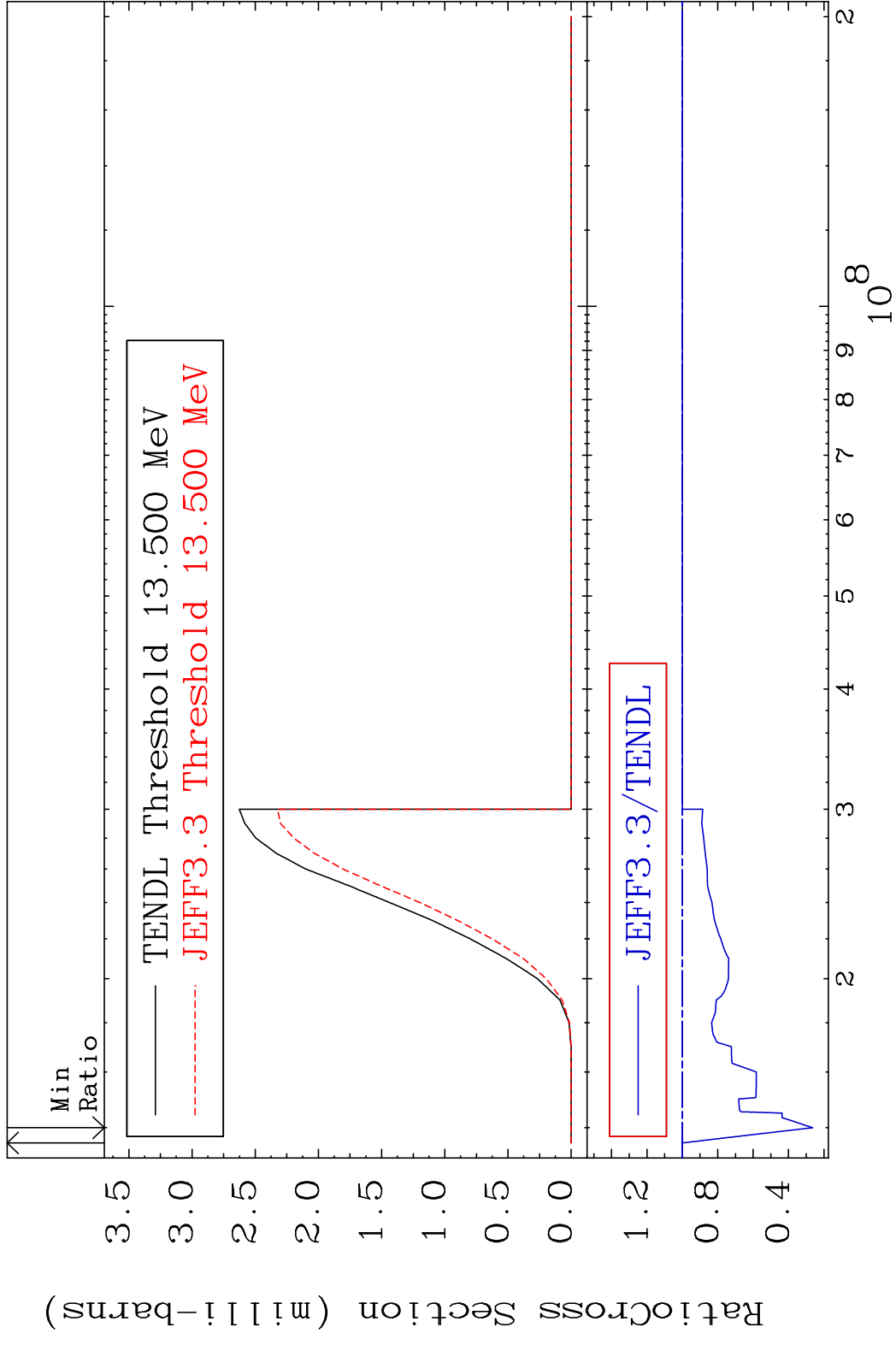




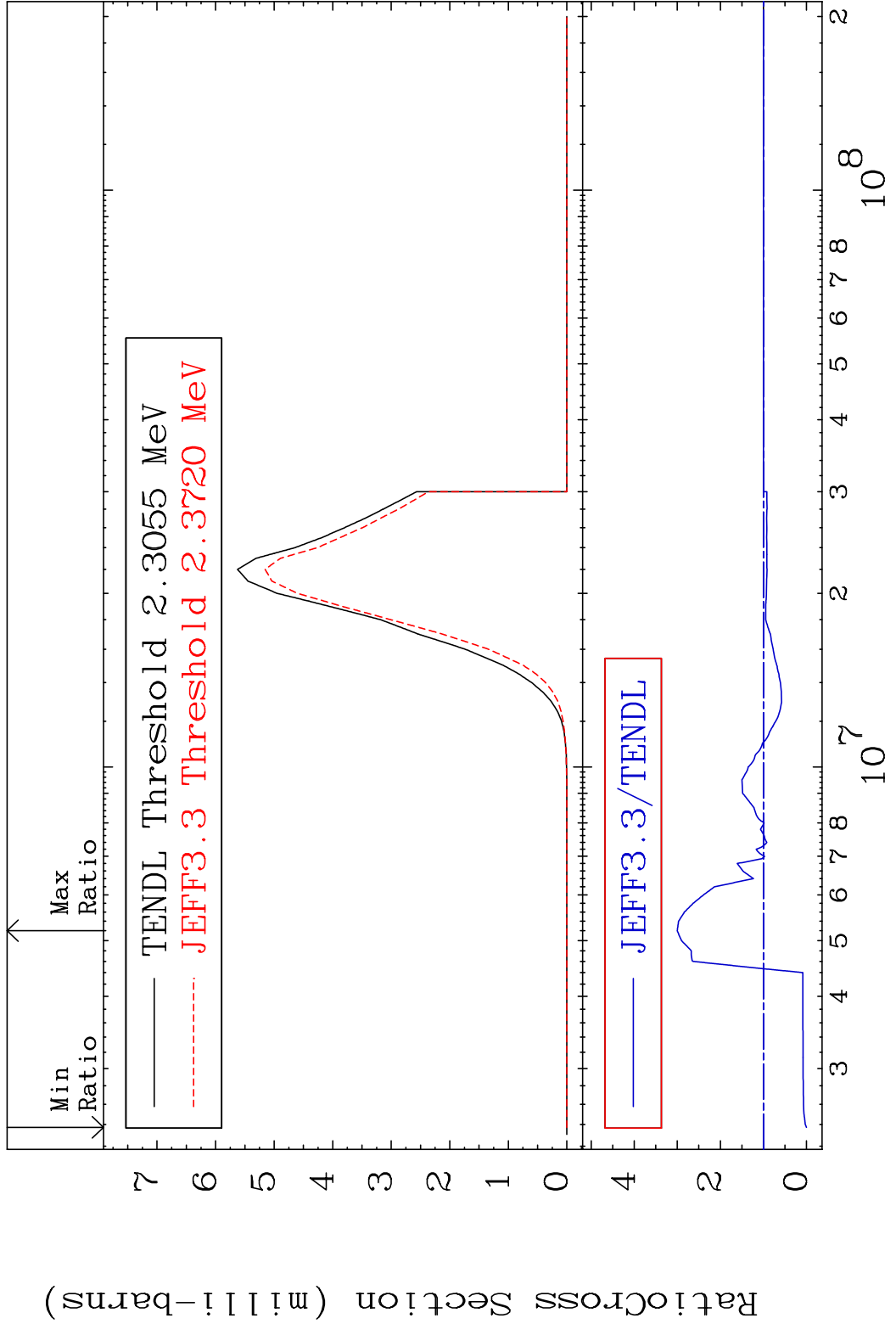


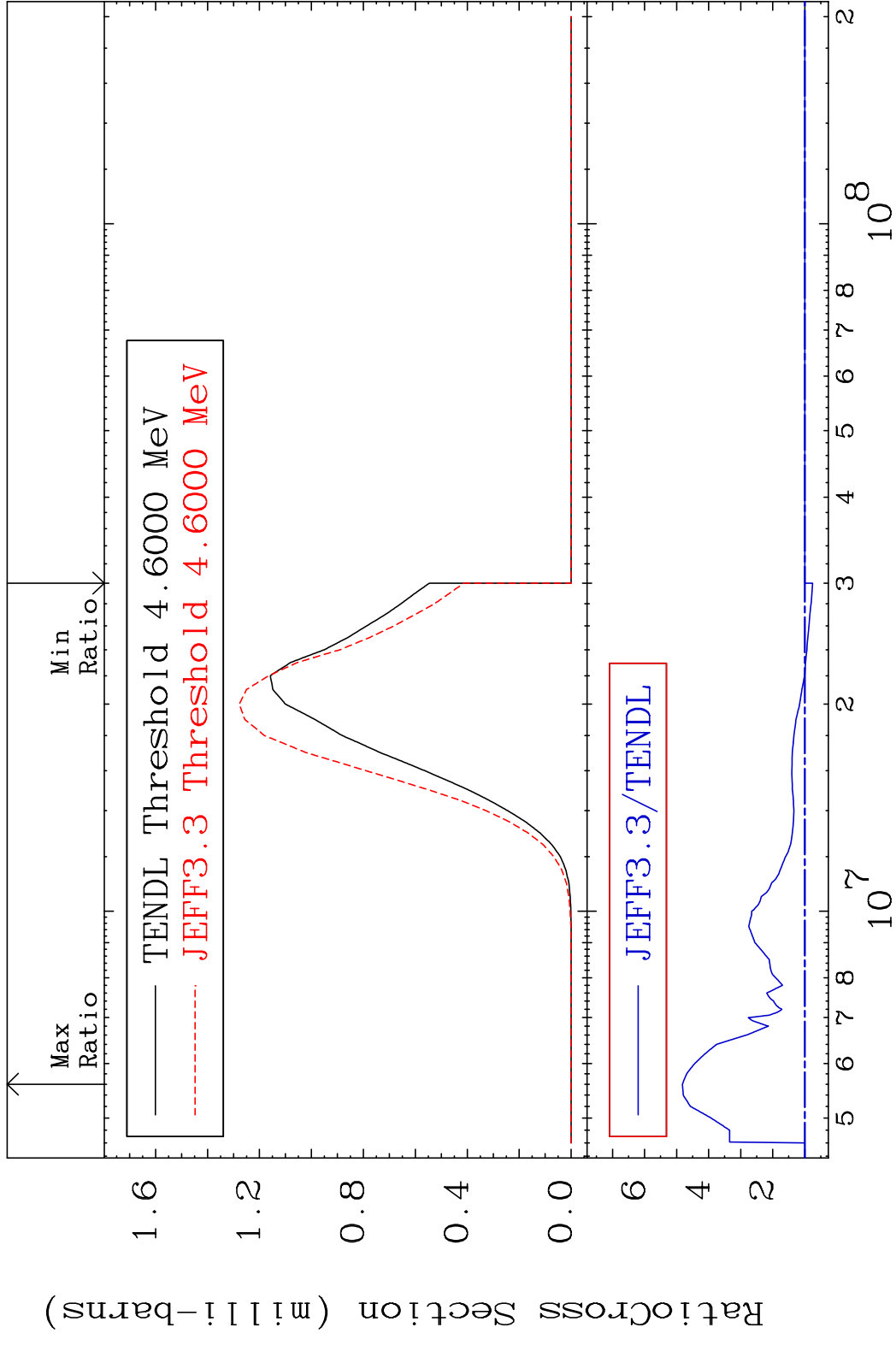
MAT 3649 (n, t):35-Br-84g 36-Kr-86
 Radionuclide Production Cross Section 1800 dth 22.42 %

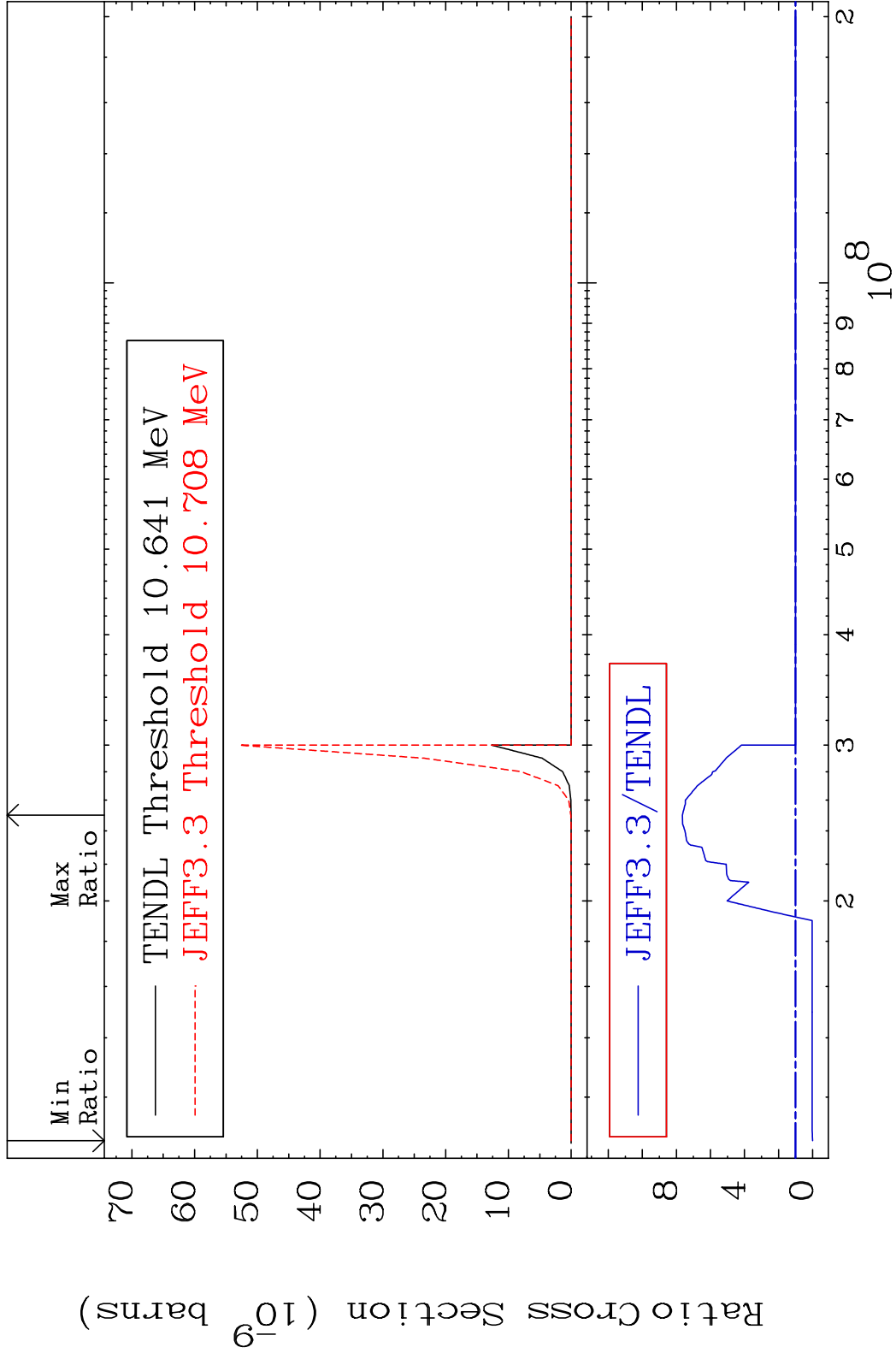




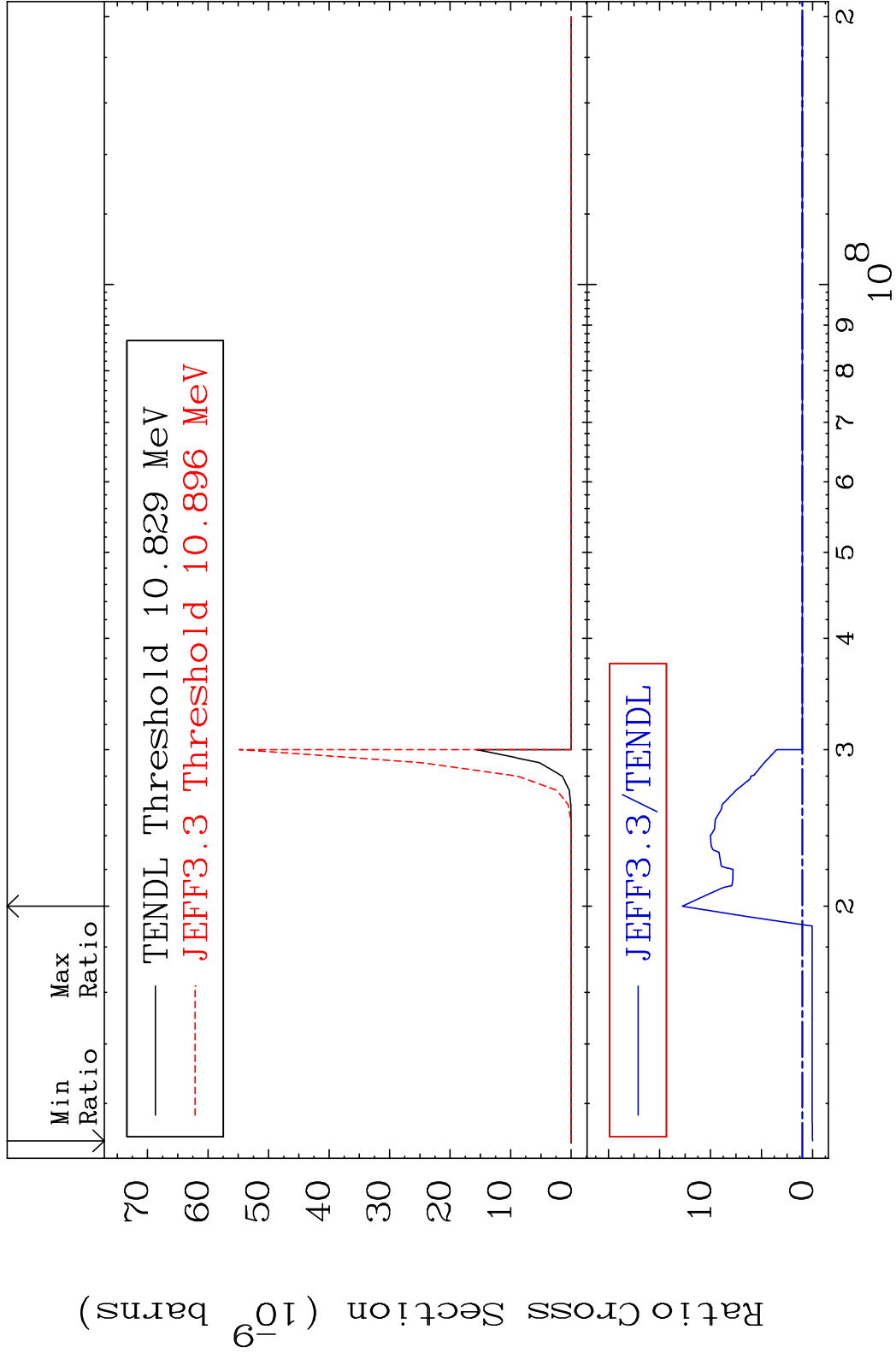
MAT 3649 (n, α): 34-Se-83g 36-Kr-86
 Radionuclide Production Cross Section Ratio 200.3 %

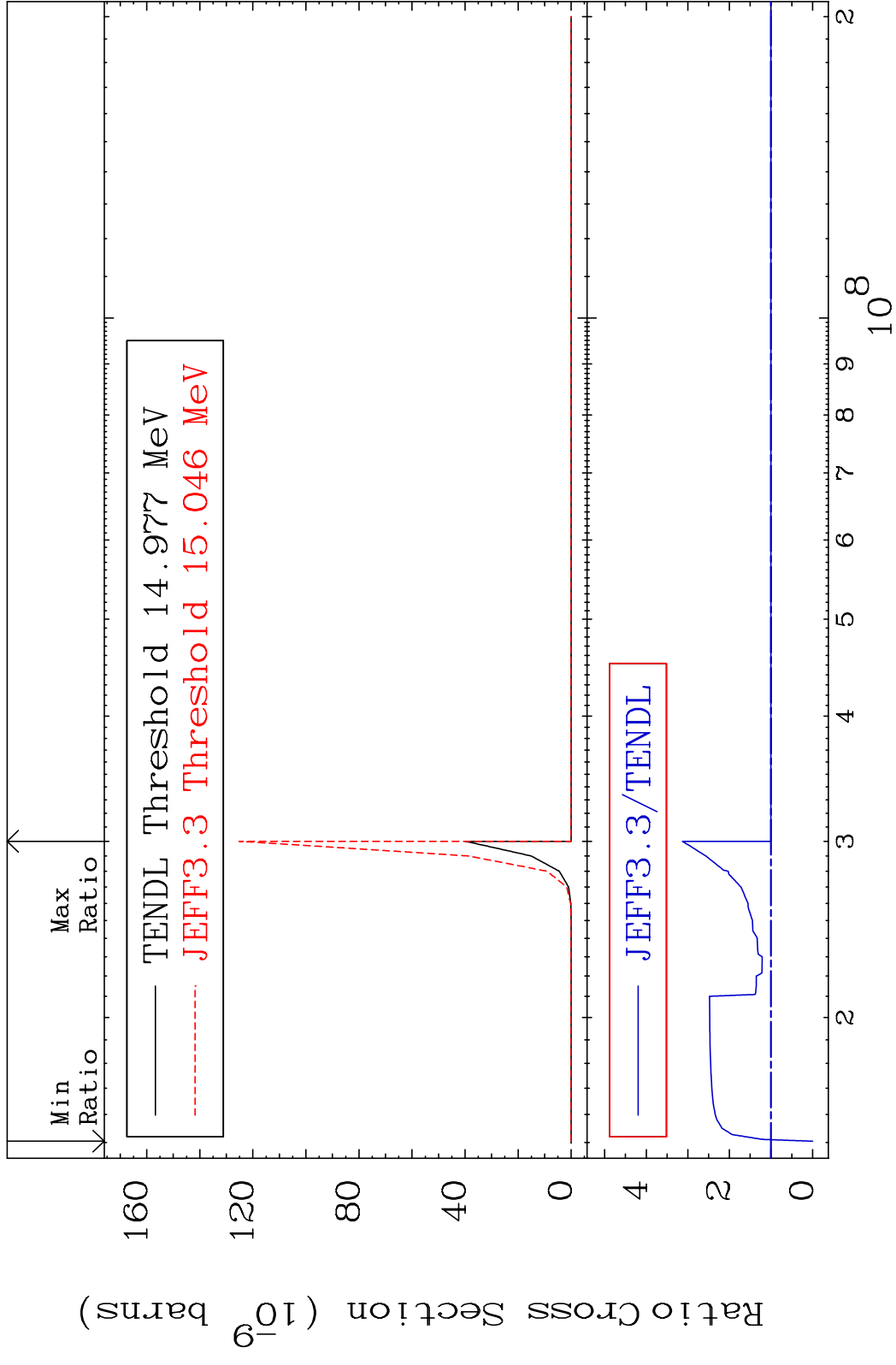






MAT 3649 (n,2α):32-Ge-79m1 36-Kr-86
 Radionuclide Production Cross Section Ratio 1176. %





MAT 3649 (n, p) α :33-As-82m1 36-Kr-86
 Radionuclide Production Cross Section 180.0 dth 346.5 %

