

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

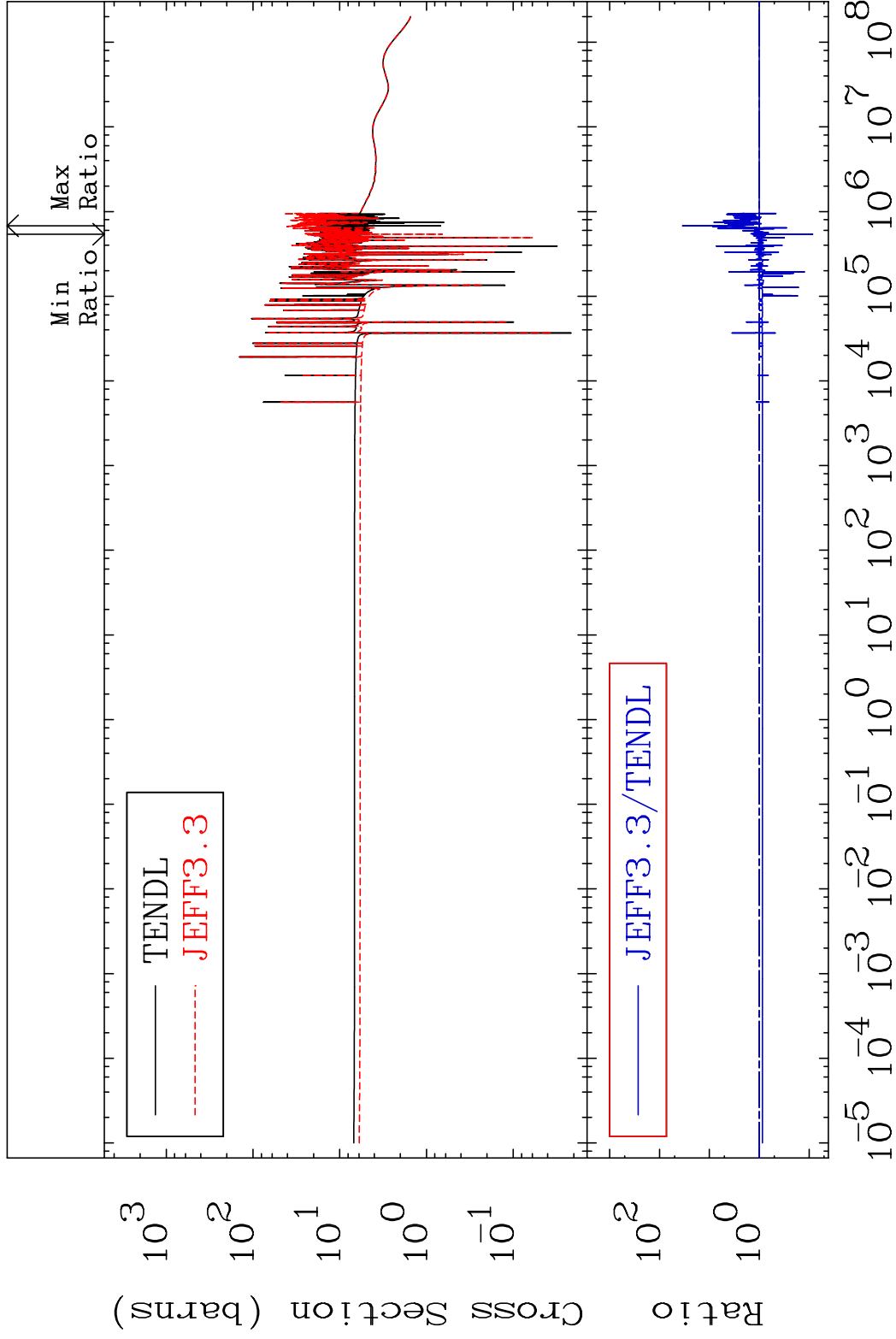
MAT 3649

Total

36-Kr-86

Cross Section

-91.48 To 3387. %



1

Incident Energy (eV)

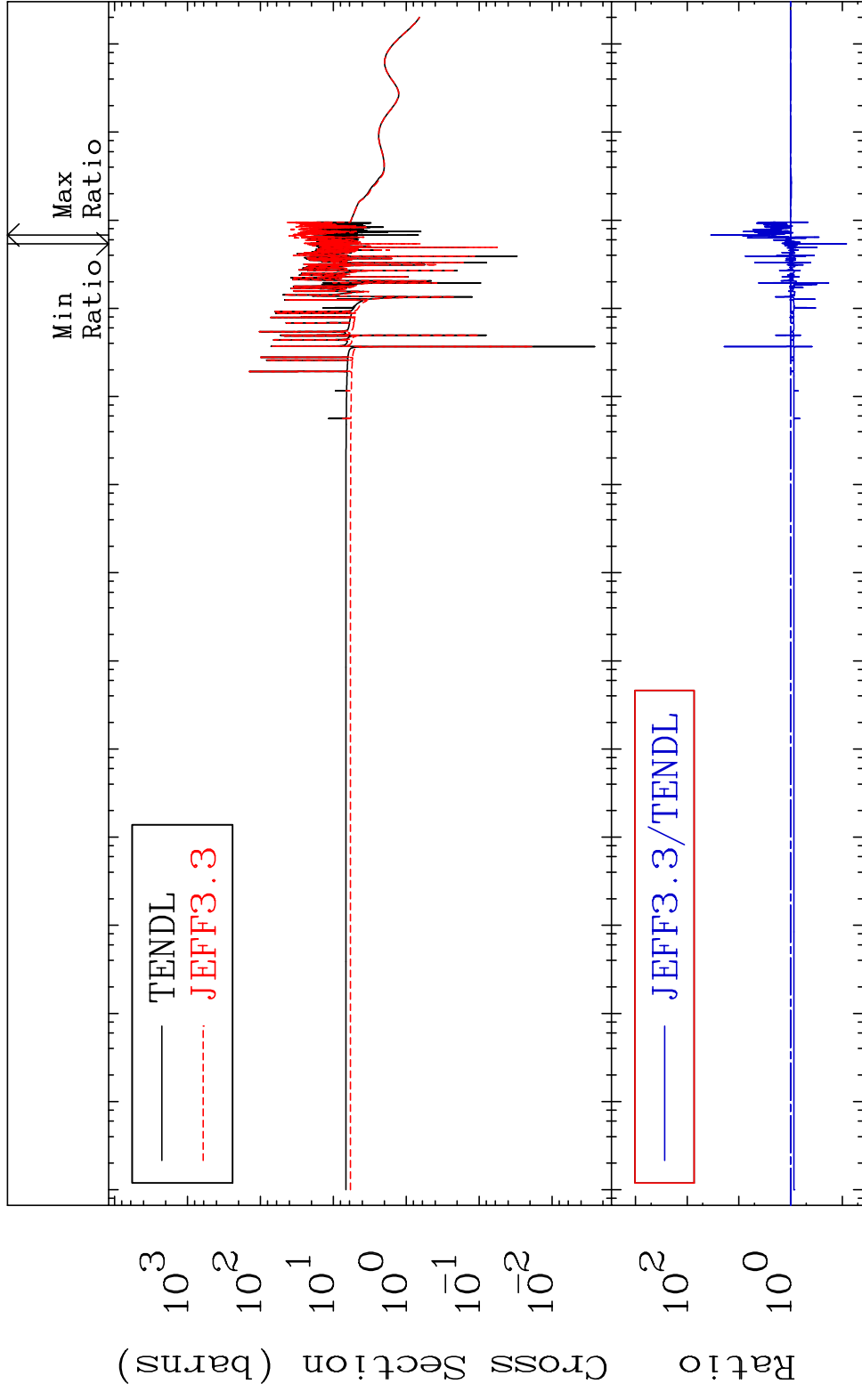
36-Kr-86

MAT 3649

Elastic

36-Kr-86

Cross Section -91.66 To 3403. %



Cross Section (barns)

Ratio

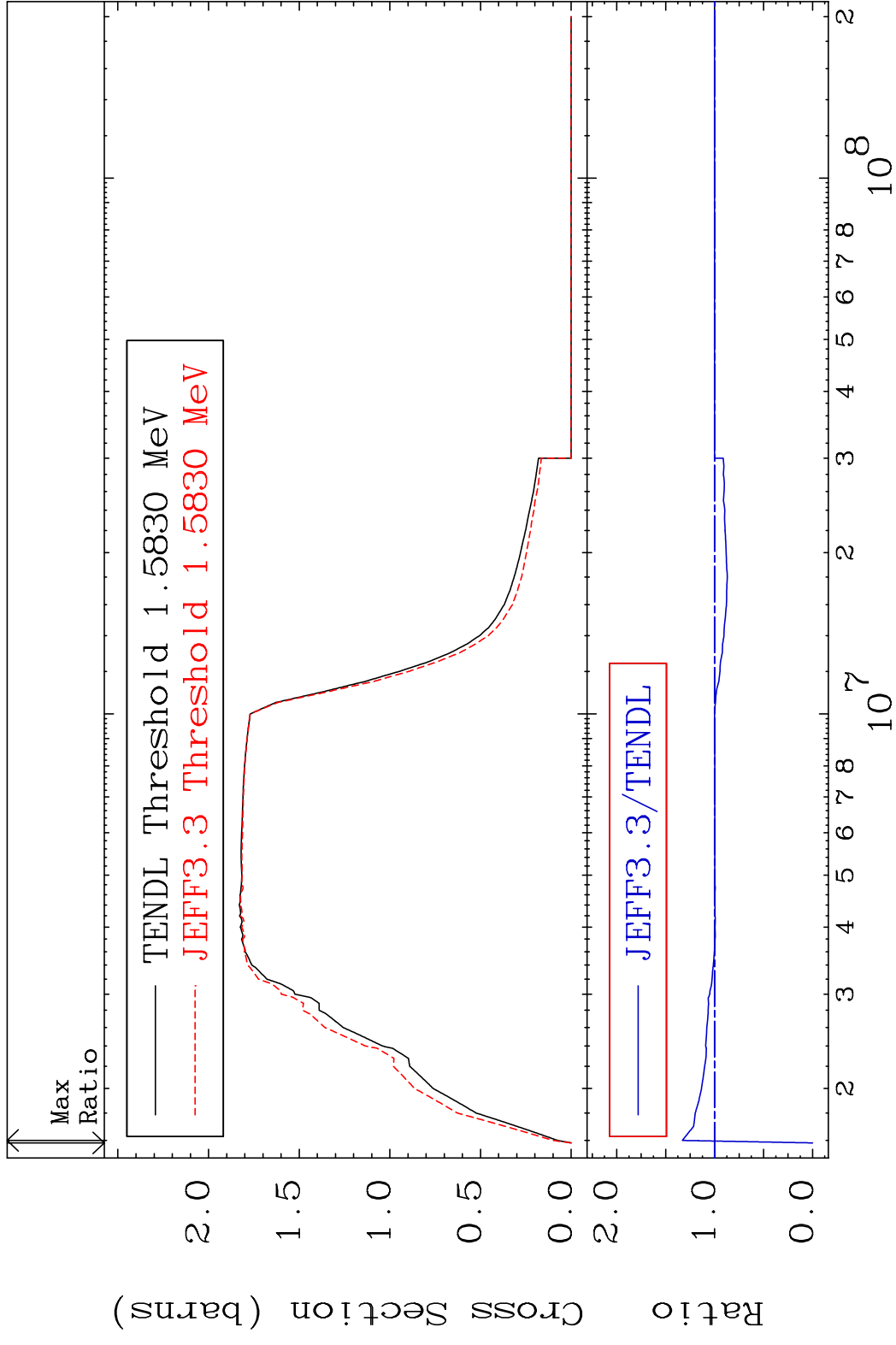
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

Incident Energy (eV)

36-Kr-86

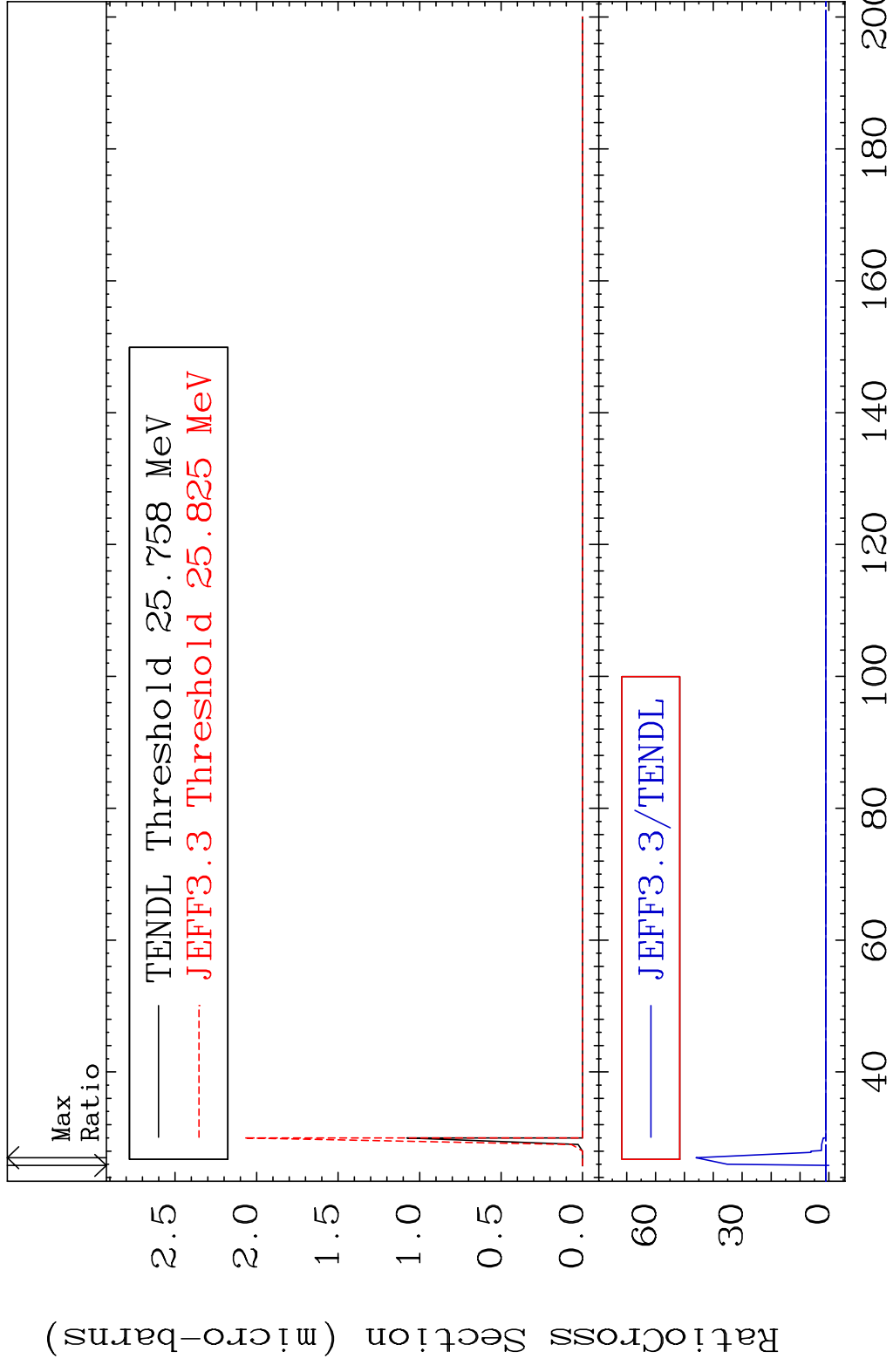
2

MAT 3649 Inelastic 36-Kr-86
 Cross Section -100.0 To 32.97 %



3 36-Kr-86

MAT 3649 (n,2n) d 36-Kr-86
 Cross Section -100.0 To 4499. %

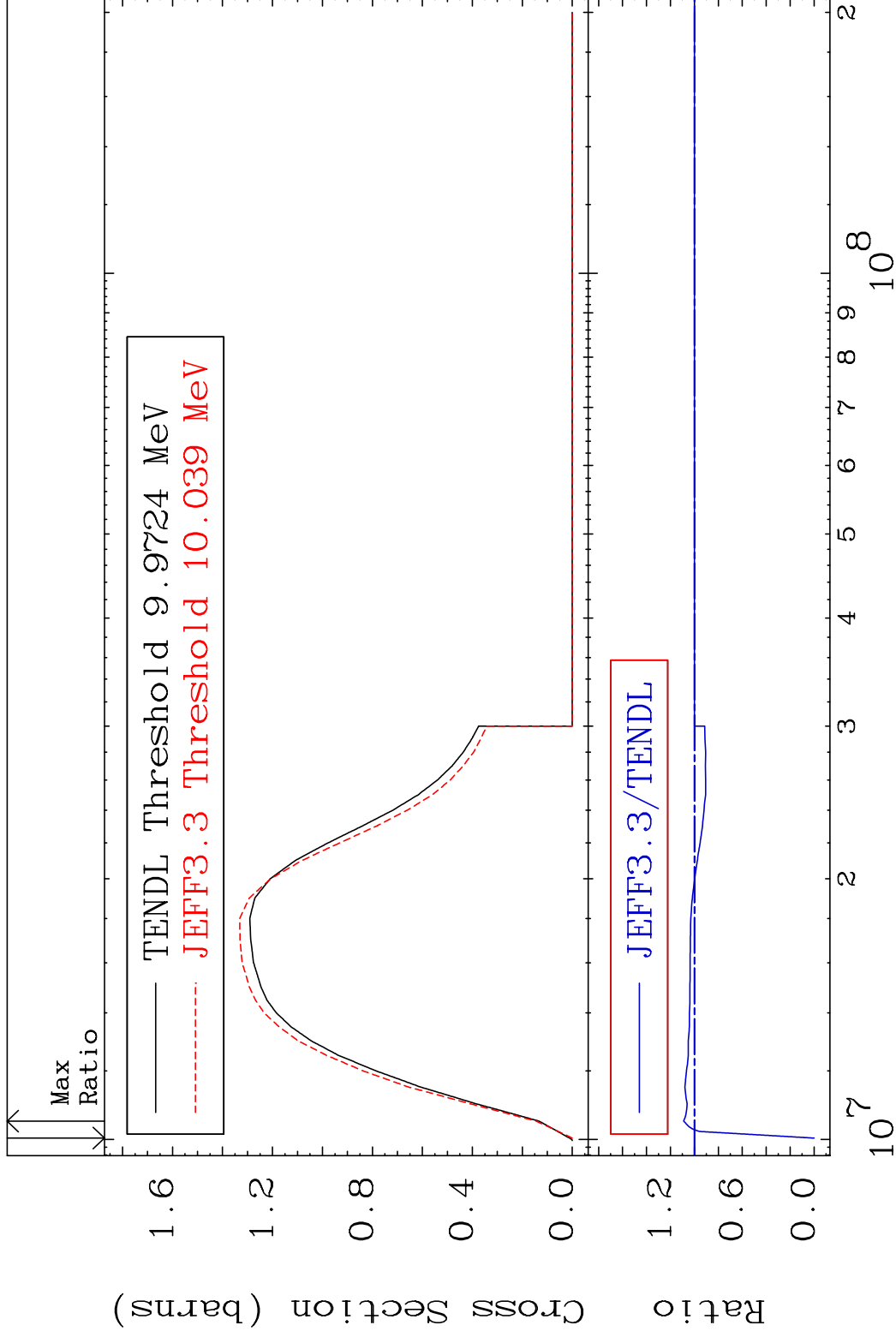


MAT 3649

(n,2n)

36-Kr-86

Cross Section -100.0 To 8.962 %



5

Incident Energy (eV)

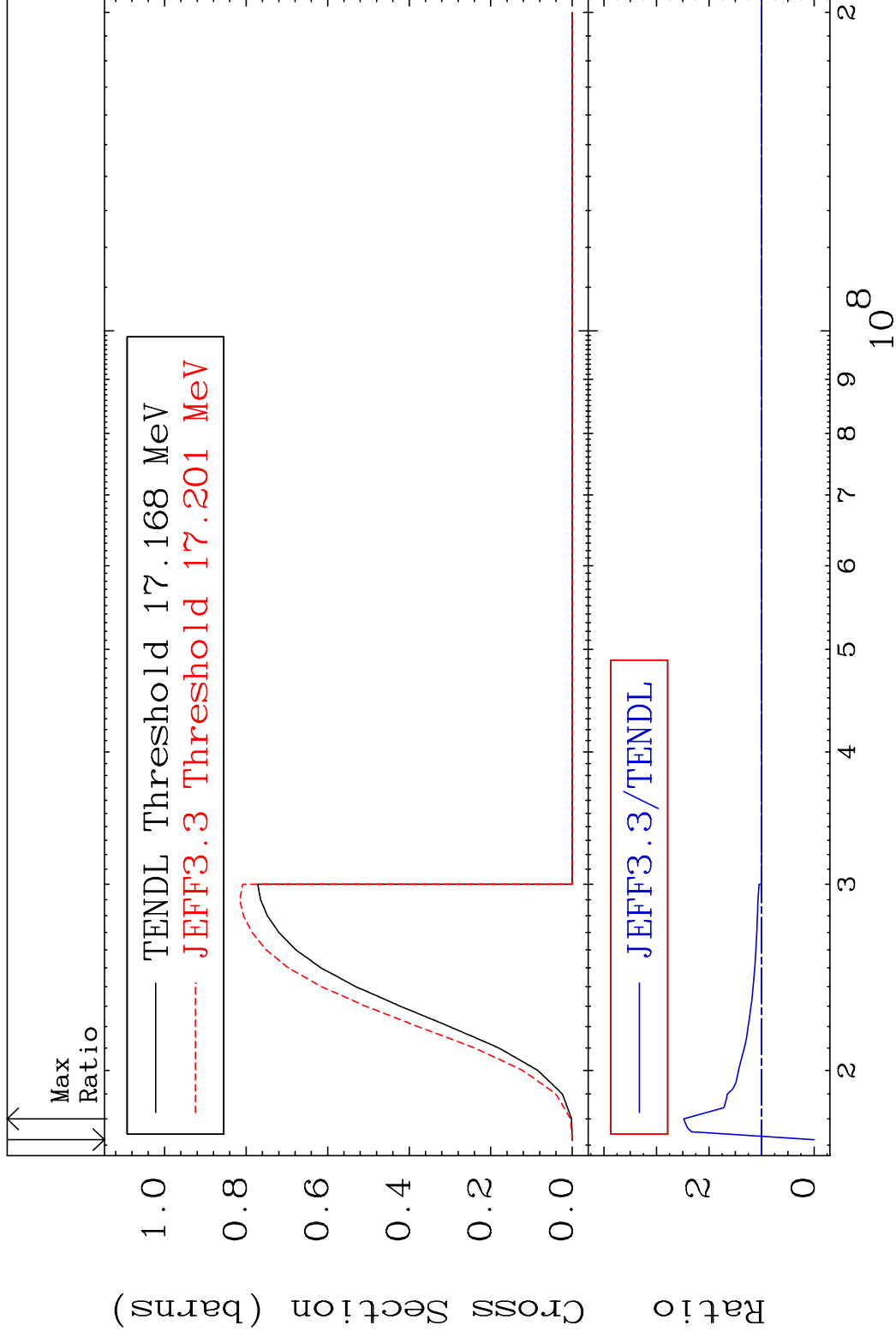
36-Kr-86

MAT 3649

(n,3n)

36-Kr-86

Cross Section -100.0 To 148.2 %

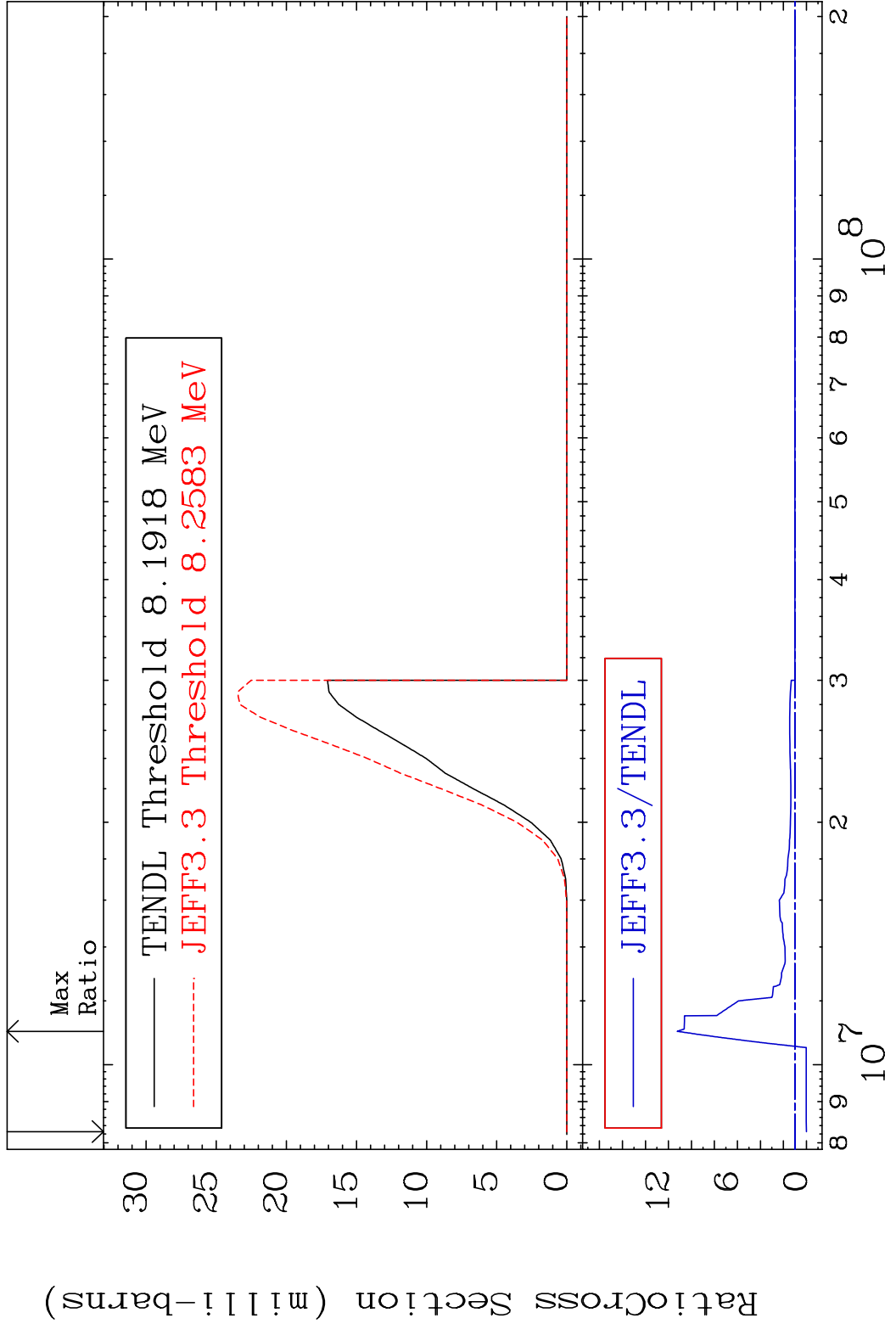


6

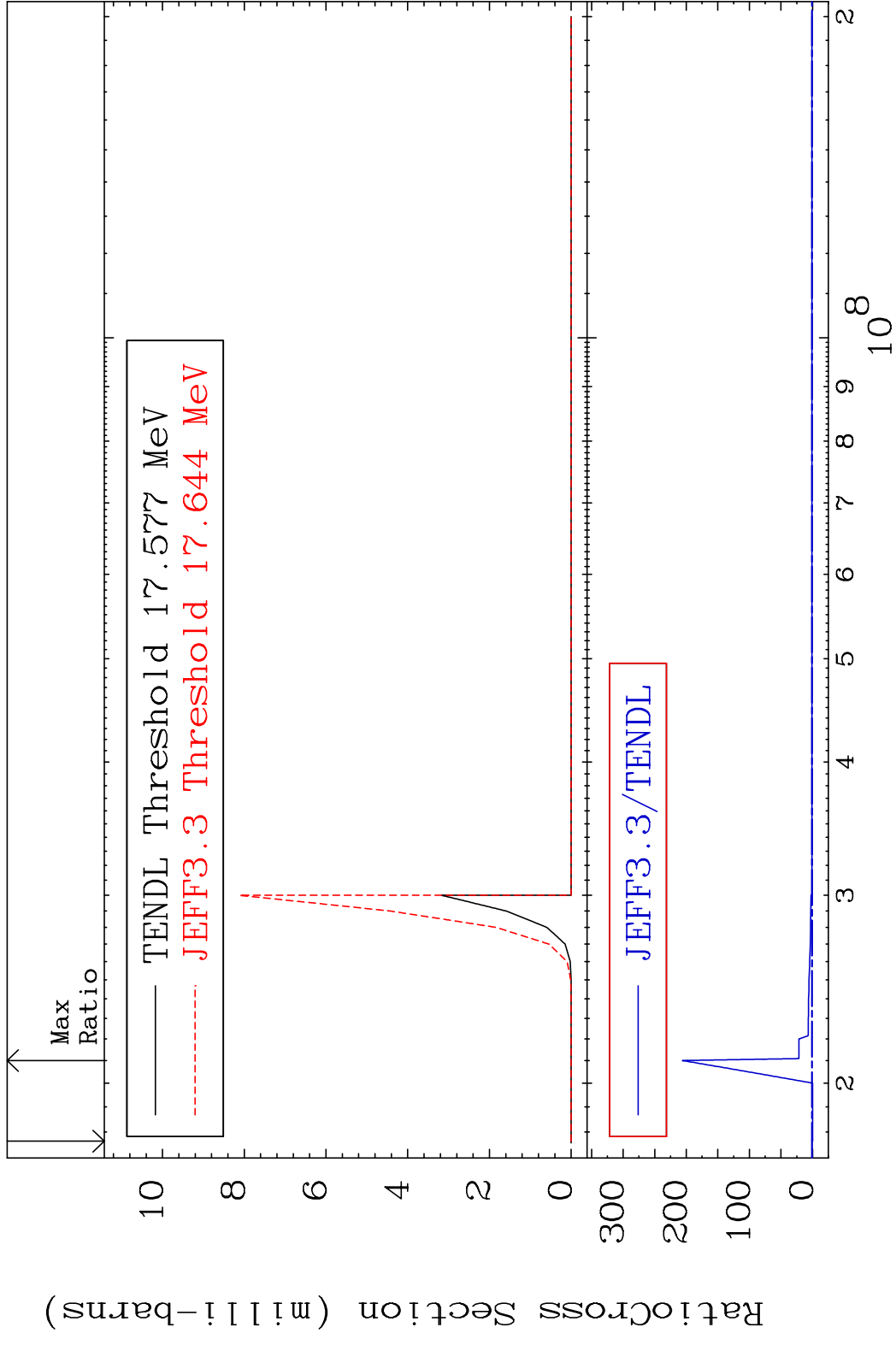
Incident Energy (eV)

36-Kr-86

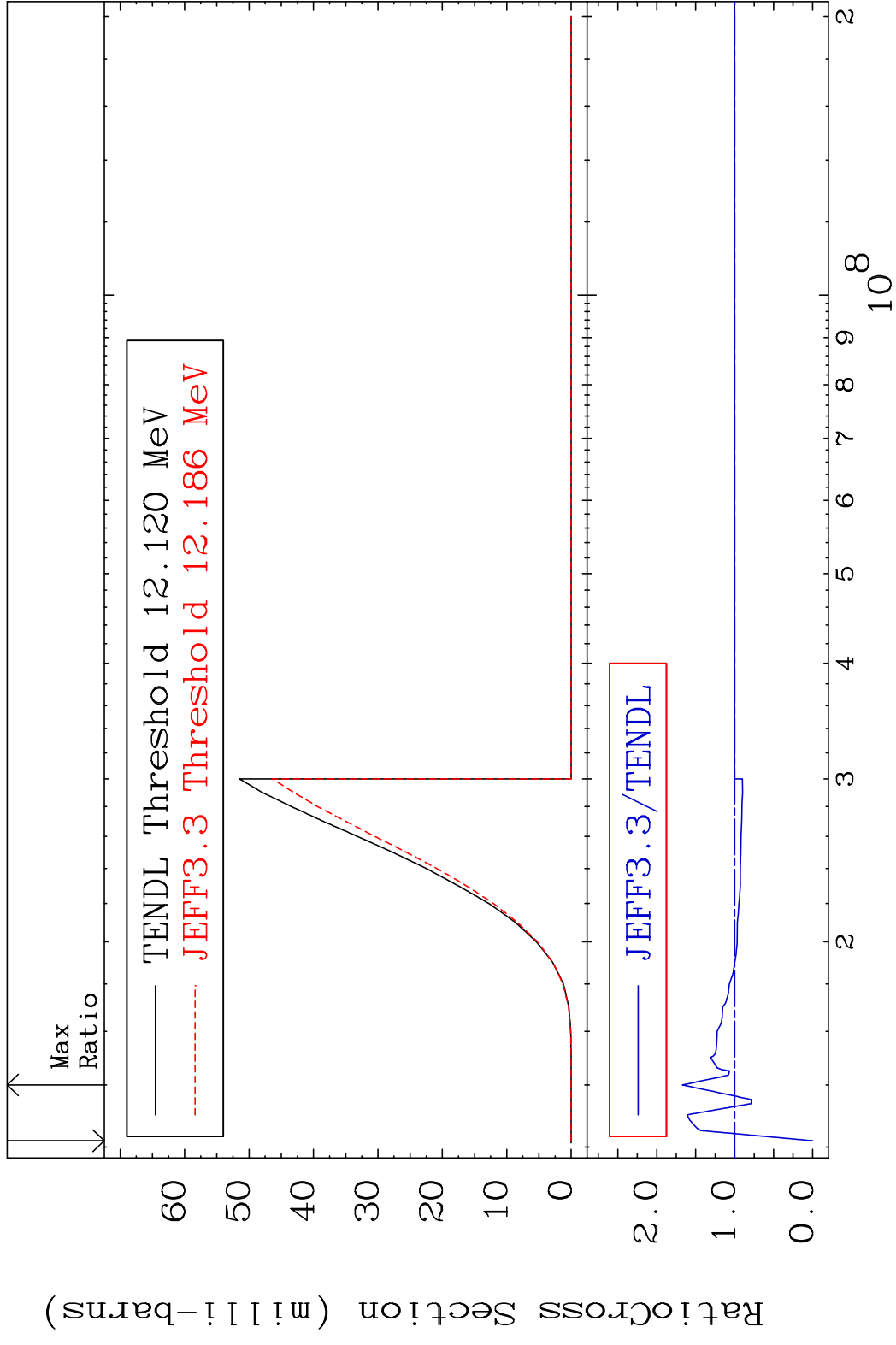
MAT 3649 (n, n') α 36-Kr-86
 Cross Section -100.0 To 1024. %



MAT 3649 (n,2n) α 36-Kr-86
 Cross Section -100.0 To 9999. %



MAT 3649 (n, n') p 36-Kr-86
 Cross Section -100.0 To 67.15 %

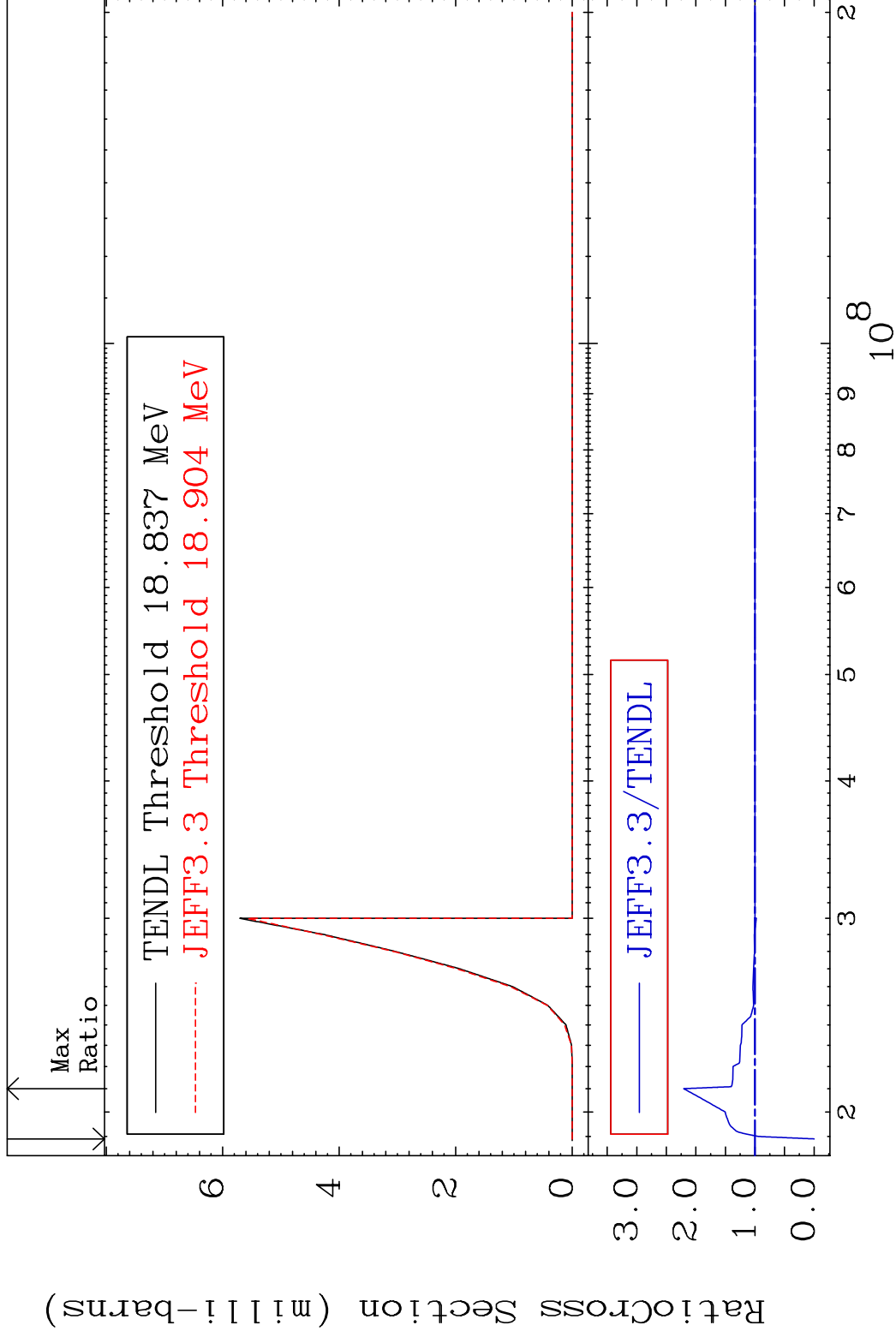


MAT 3649

(n, n') d

36-Kr-86

Cross Section -100.0 To 120.7 %

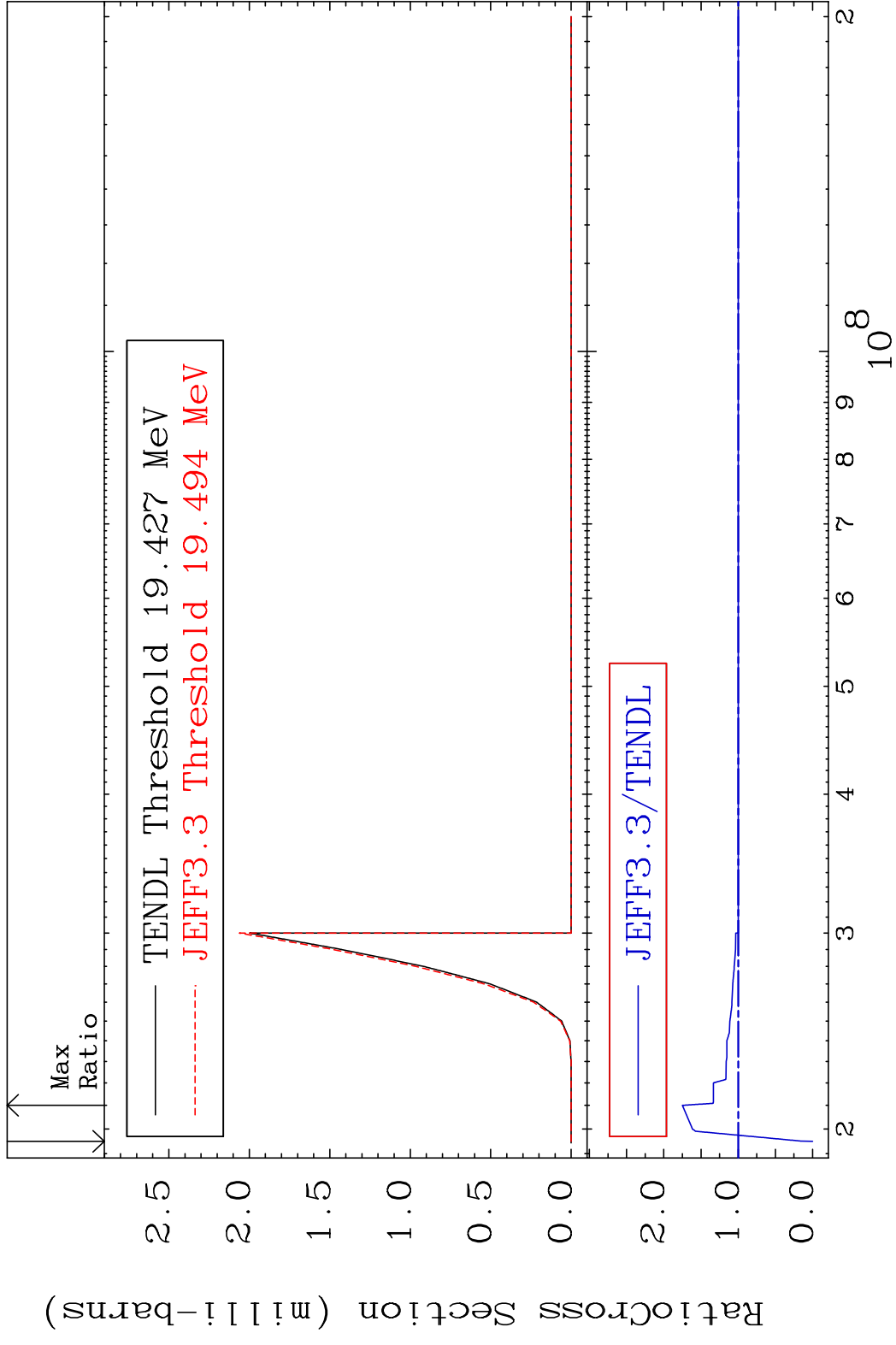


10

Incident Energy (eV)

36-Kr-86

MAT 3649 (n, n') t 36-Kr-86
 Cross Section -100.0 To 75.05 %

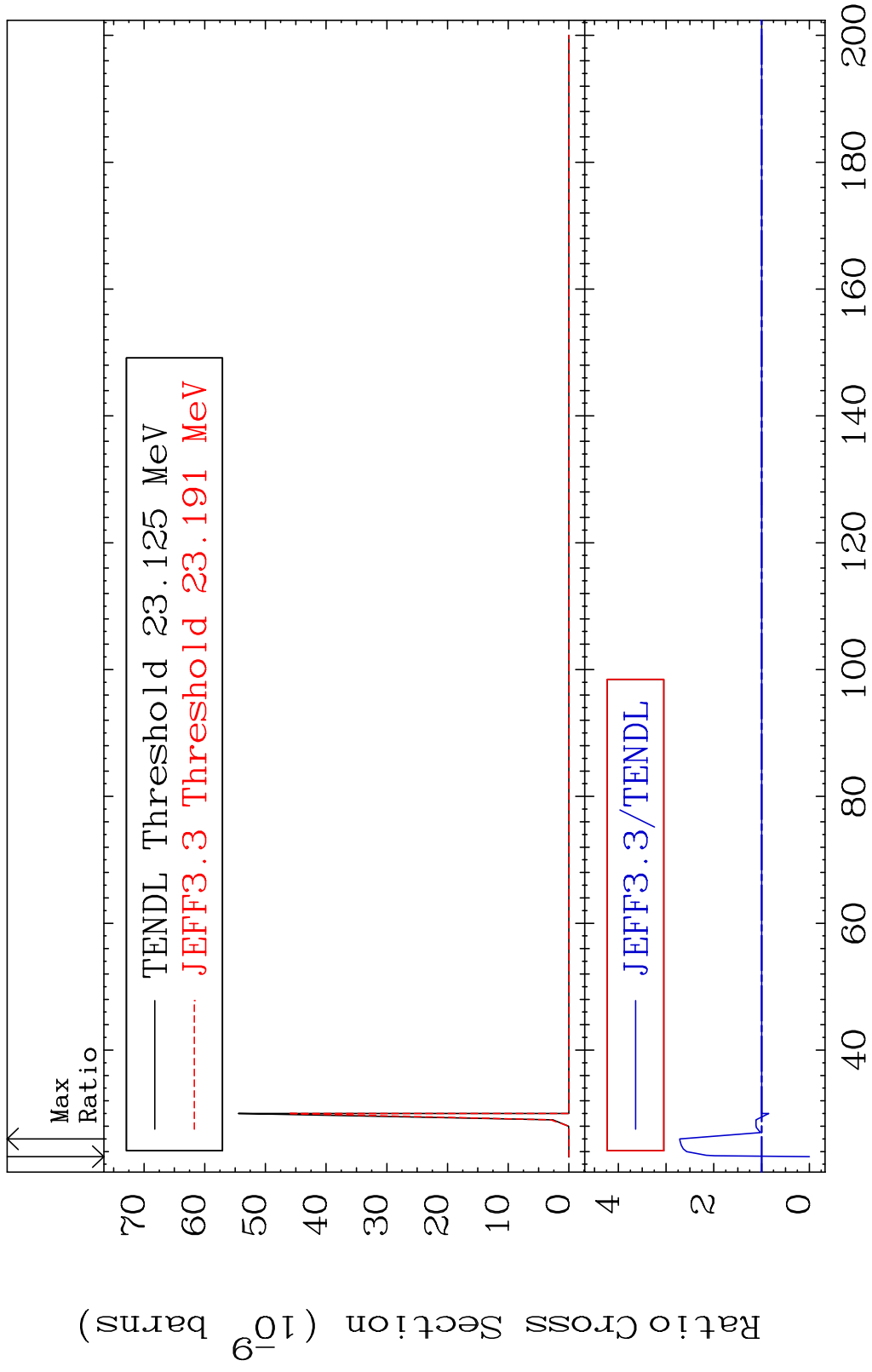


MAT 3649

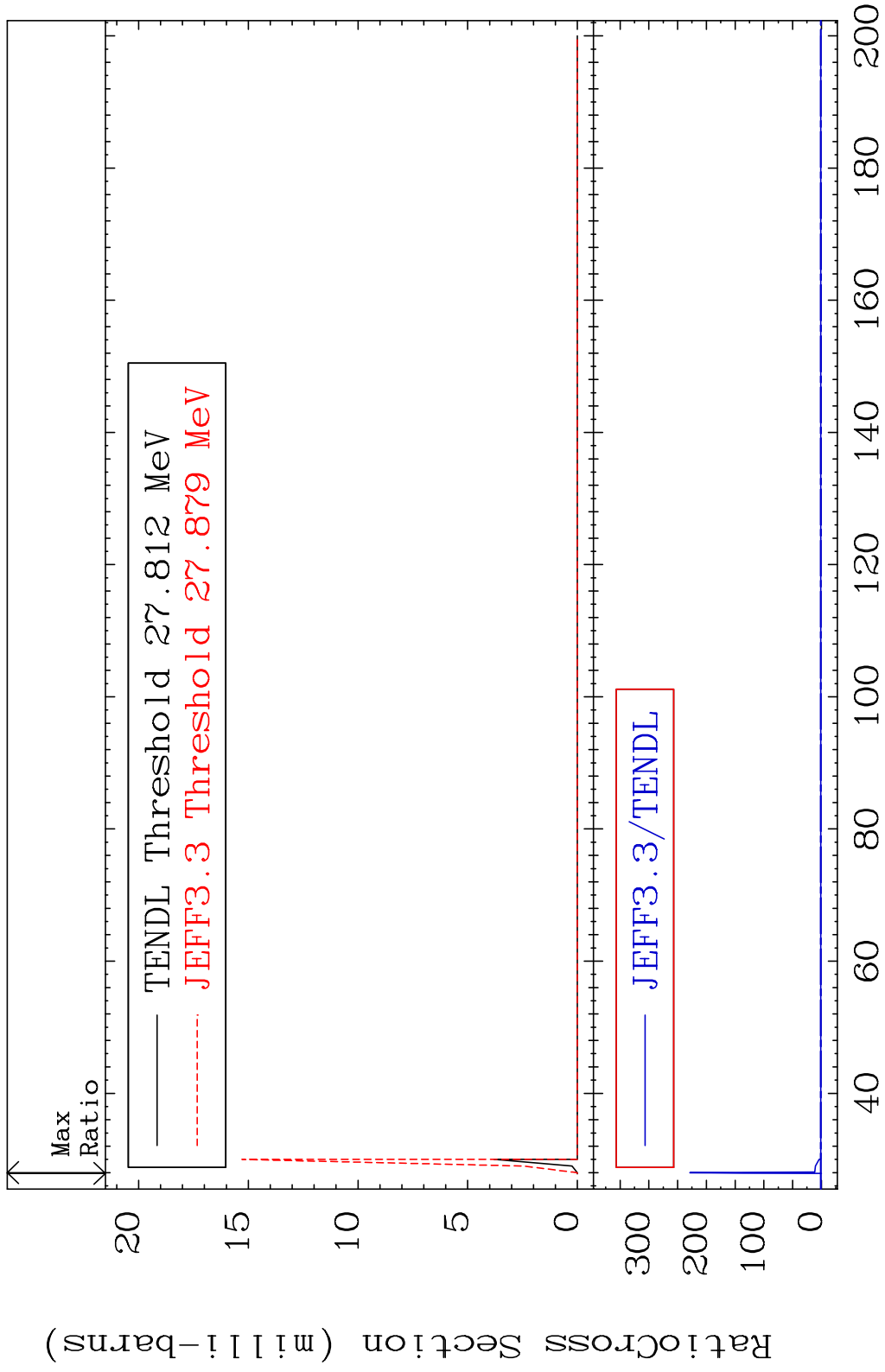
(n,n') He-3

36-Kr-86

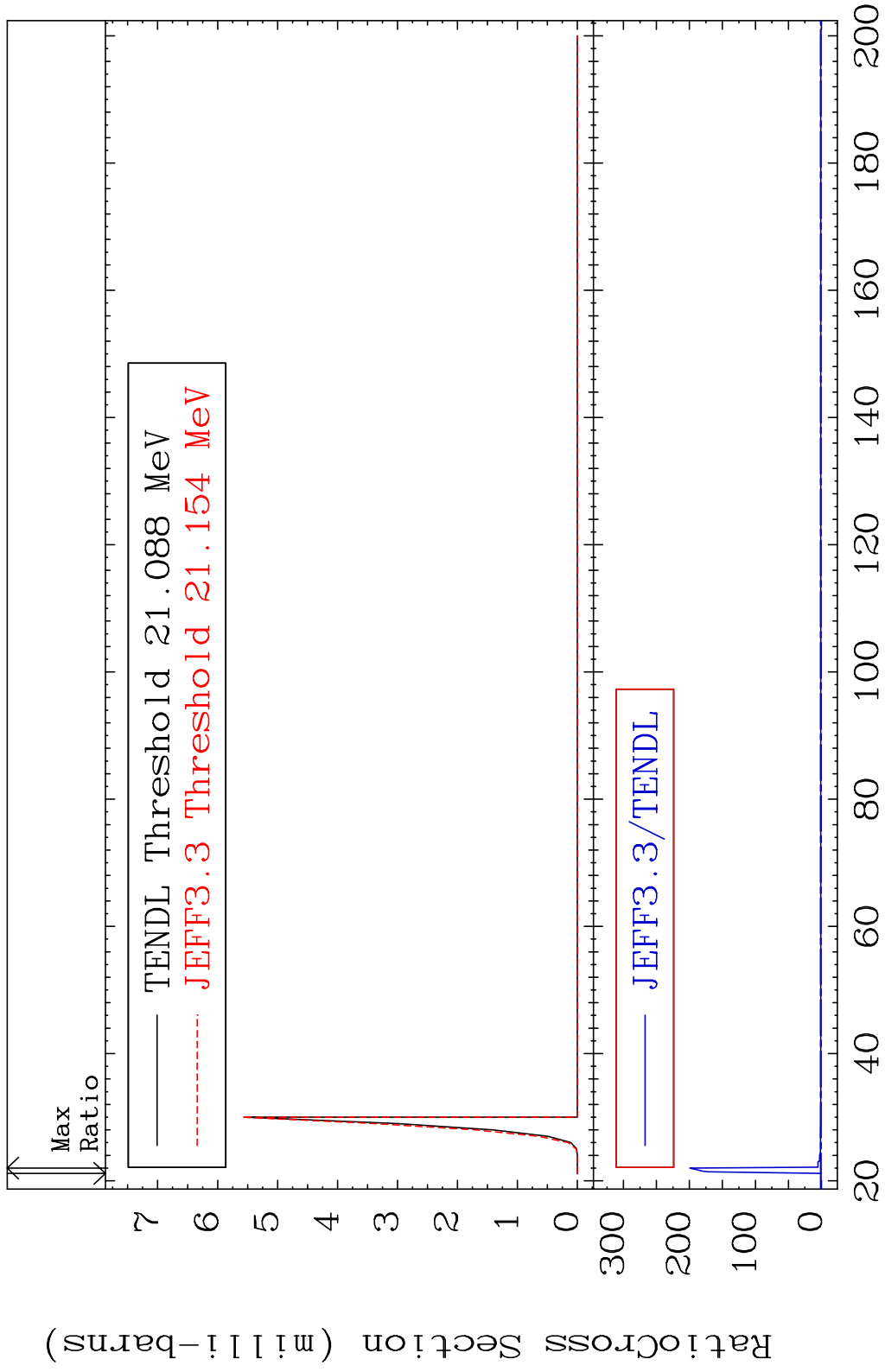
Cross Section -100.0 To 171.7 %



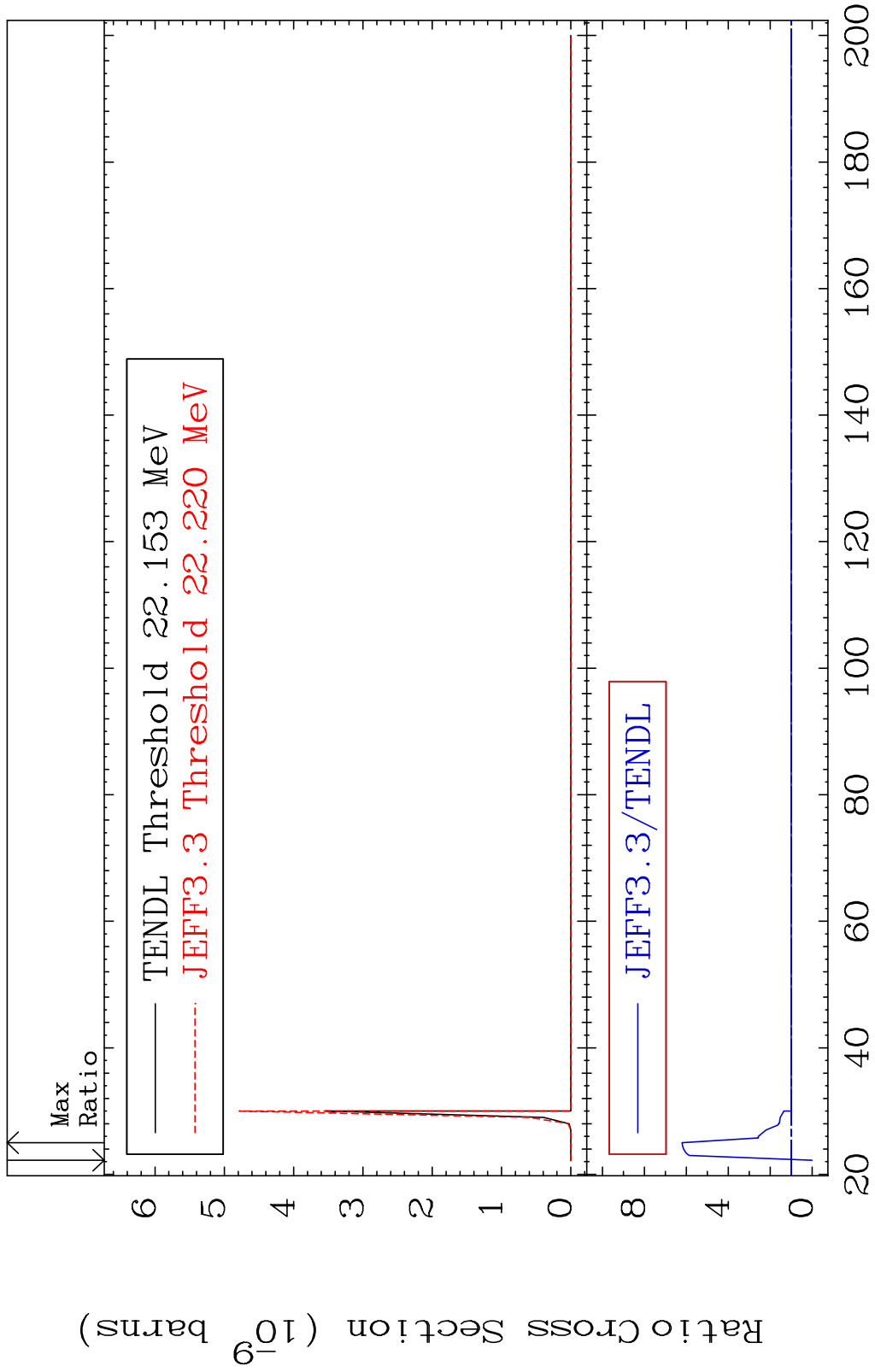
MAT 3649 (n,4n) 36-Kr-86
 Cross Section -100.0 To 9999. %



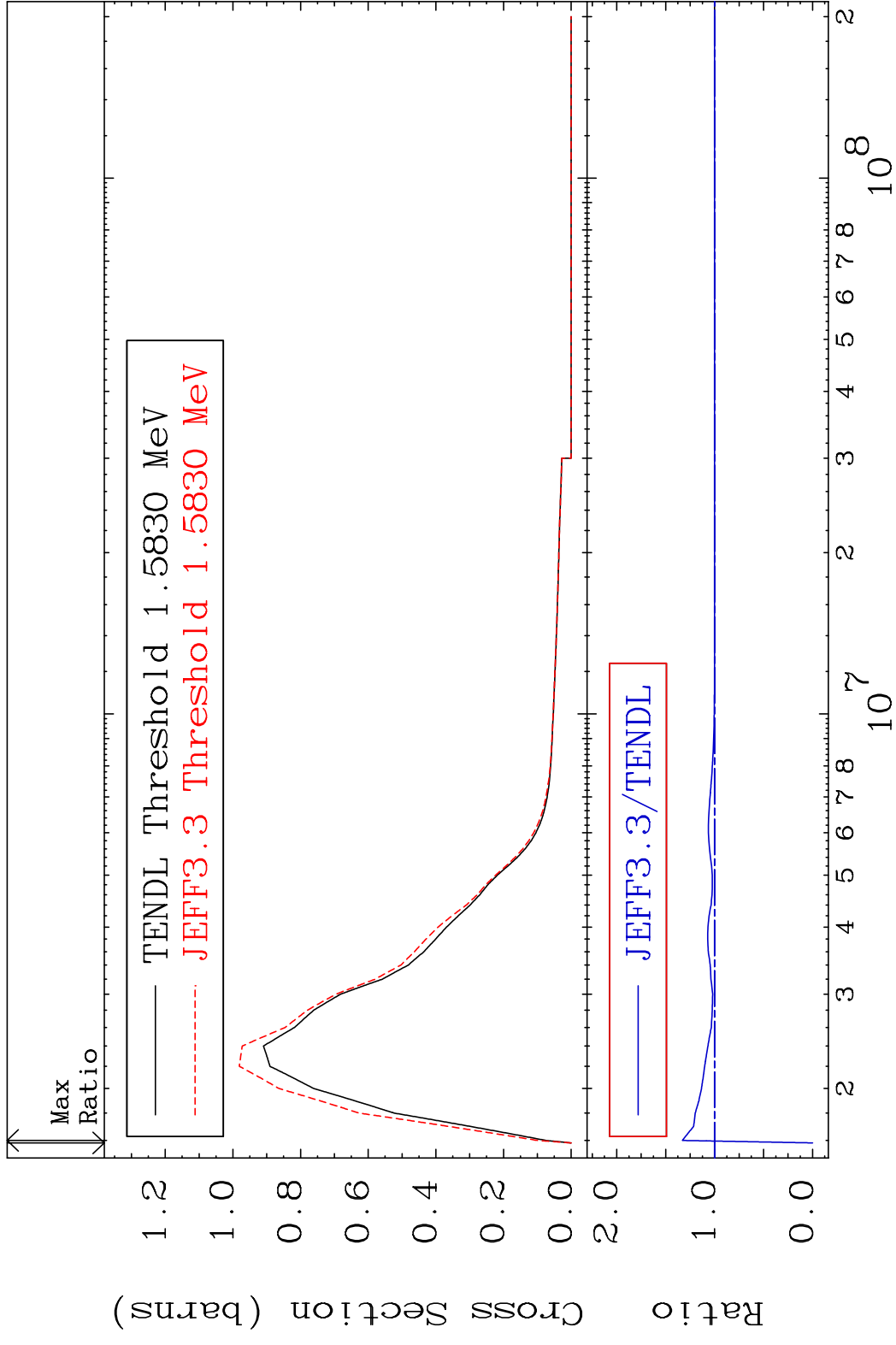
MAT 3649 (n,2n) p 36-Kr-86
 Cross Section -100.0 To 9999. %



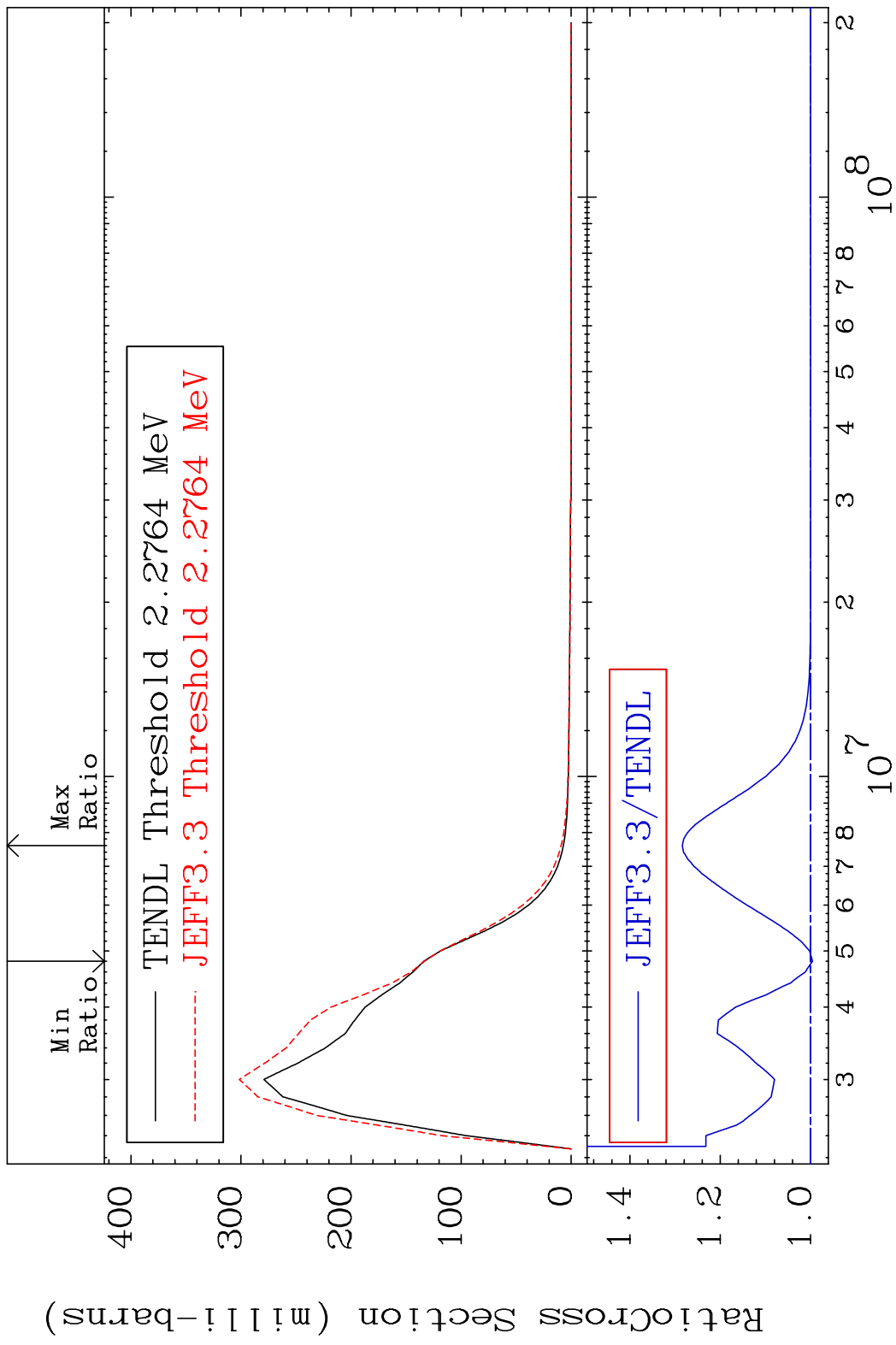
MAT 3649 (n,2n) p 36-Kr-86
 Cross Section -100.0 To 520.5 %



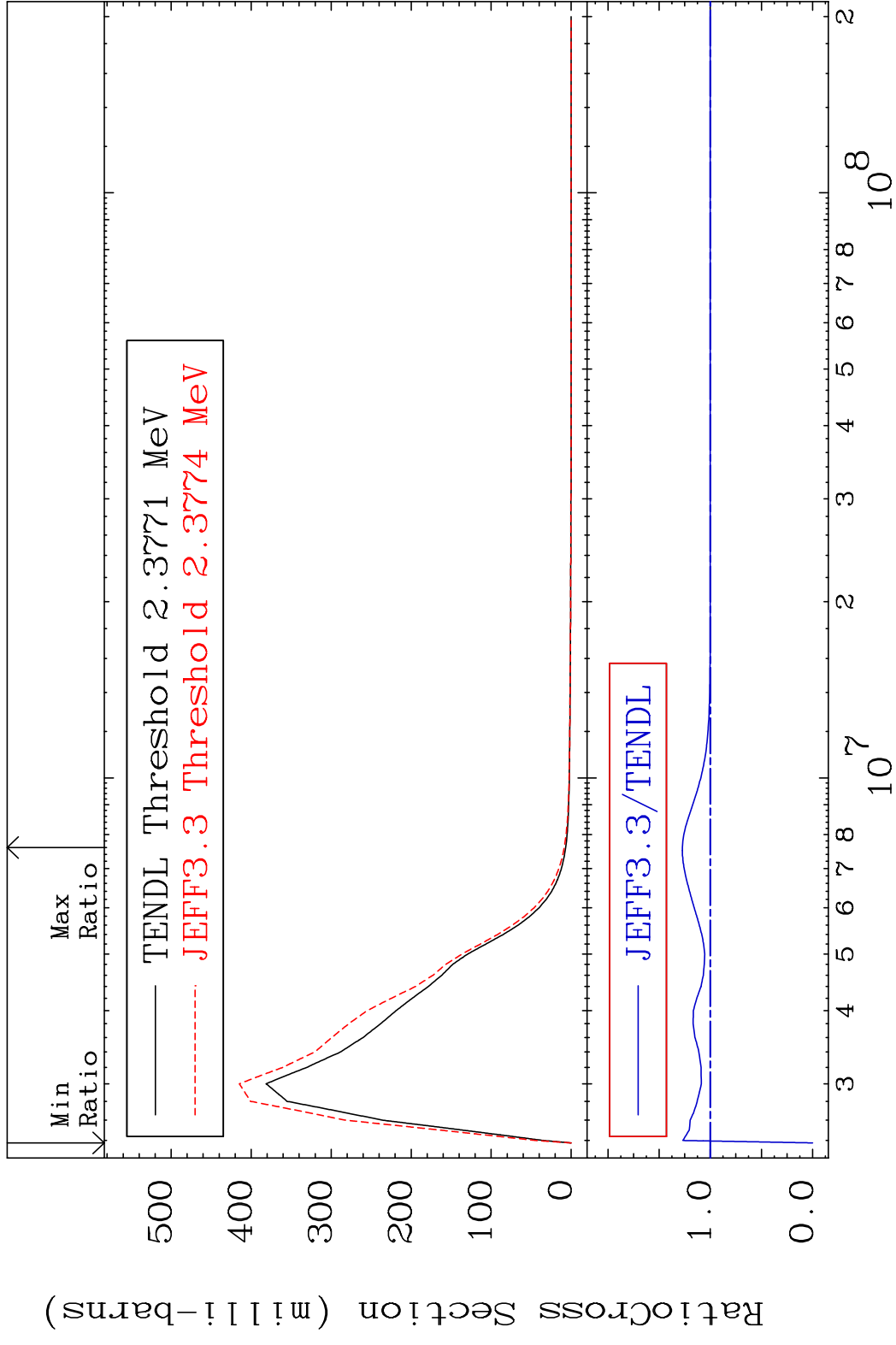
MAT 3649 MT= 51 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 32.97 %



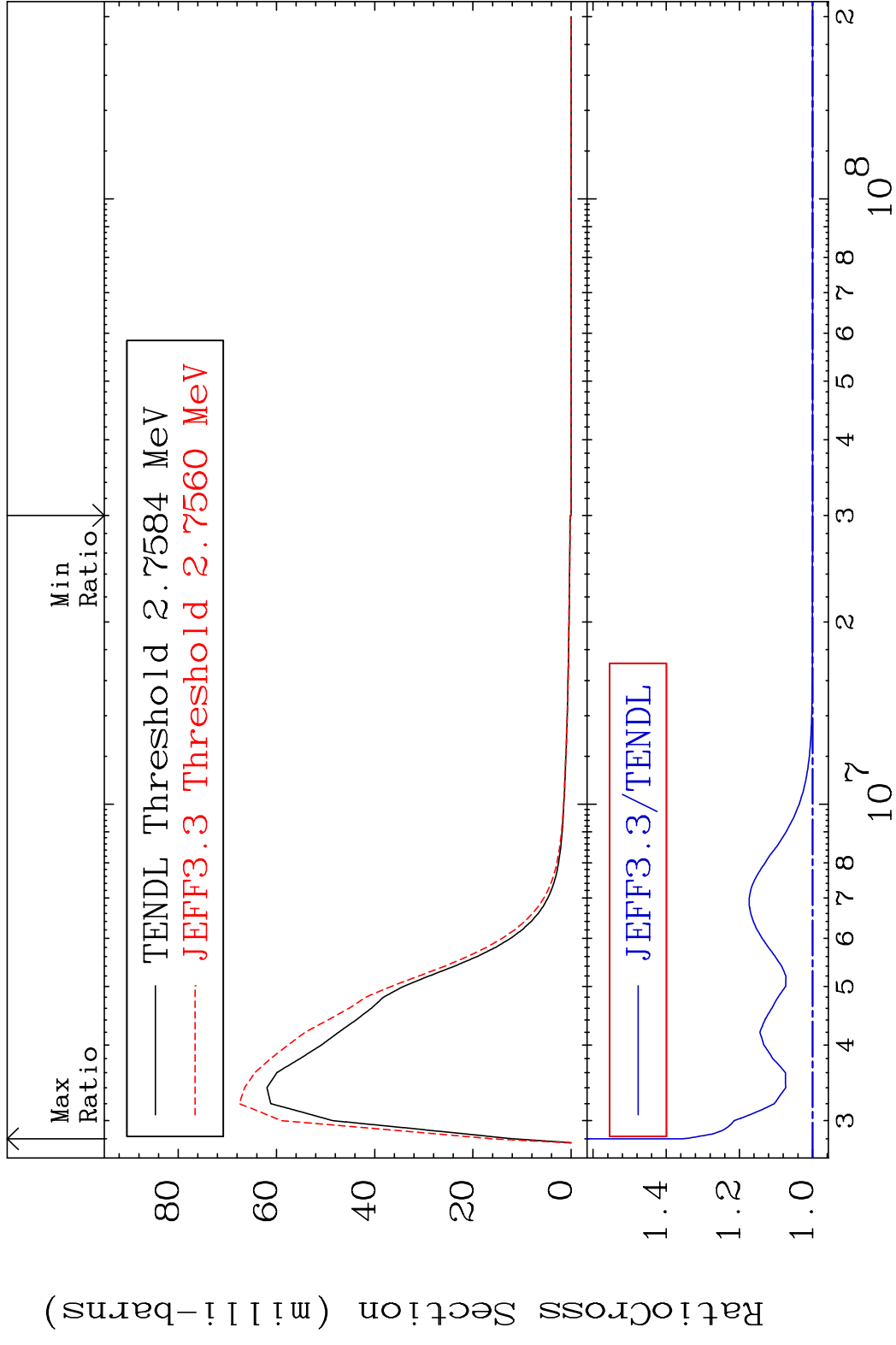
MAT 3649 MT= 52 (n, n') Level 36-Kr-86
 Cross Section -0.439 To 28.39 %



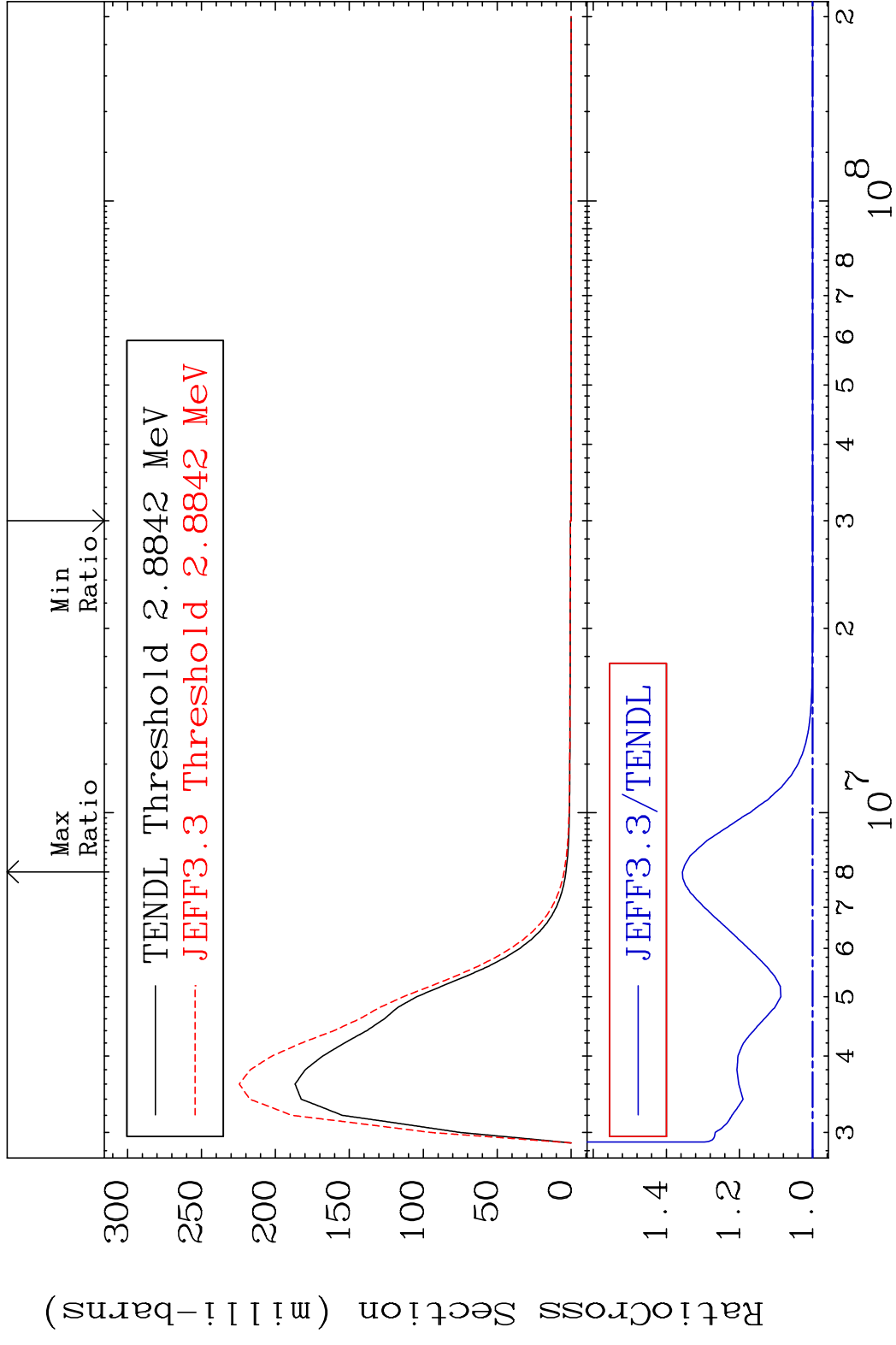
MAT 3649 MT= 53 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 27.30 %



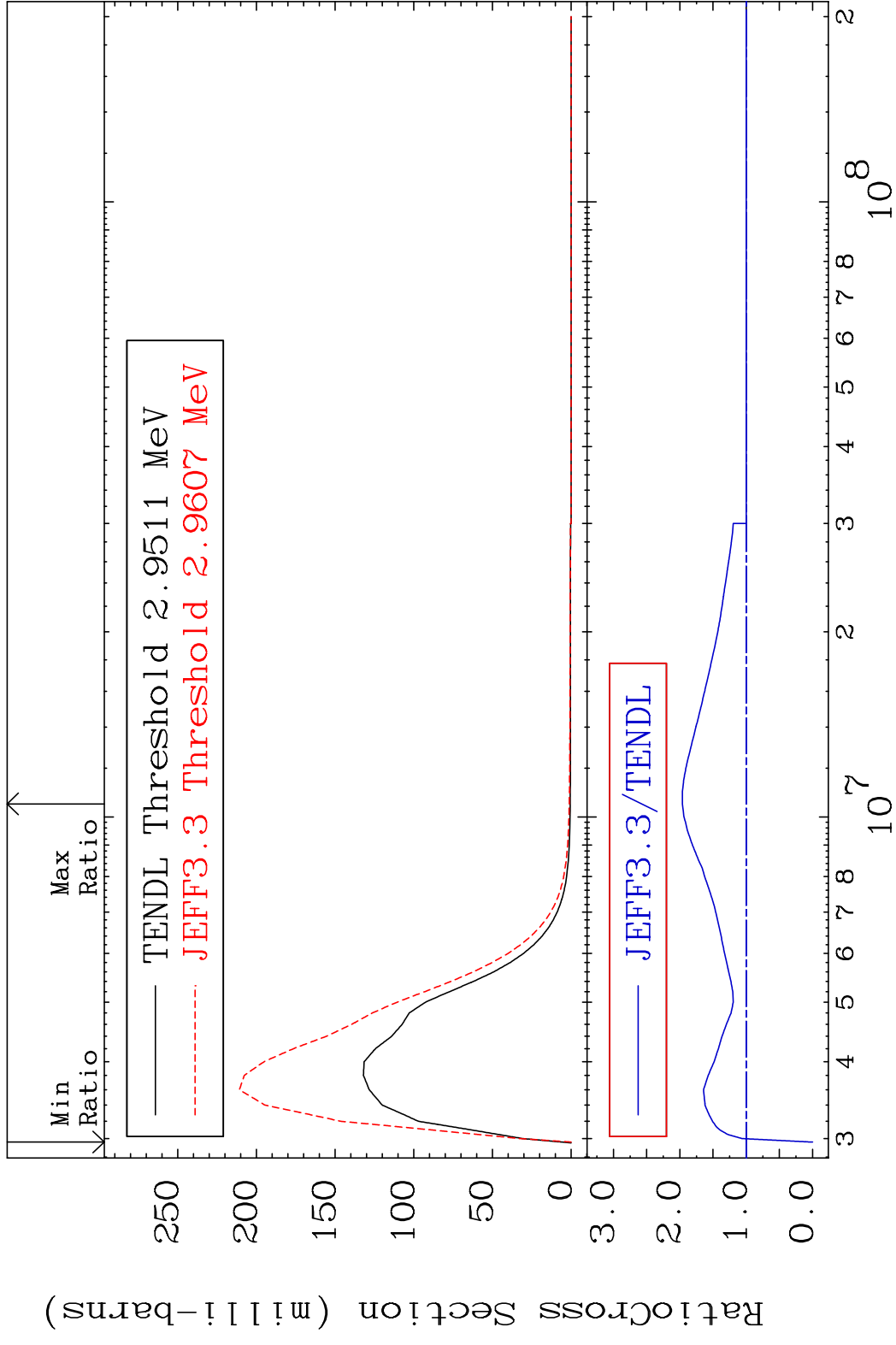
MAT 3649 MT= 54 (n, n') Level 36-Kr-86
 Cross Section 0.000 To 35.59 %



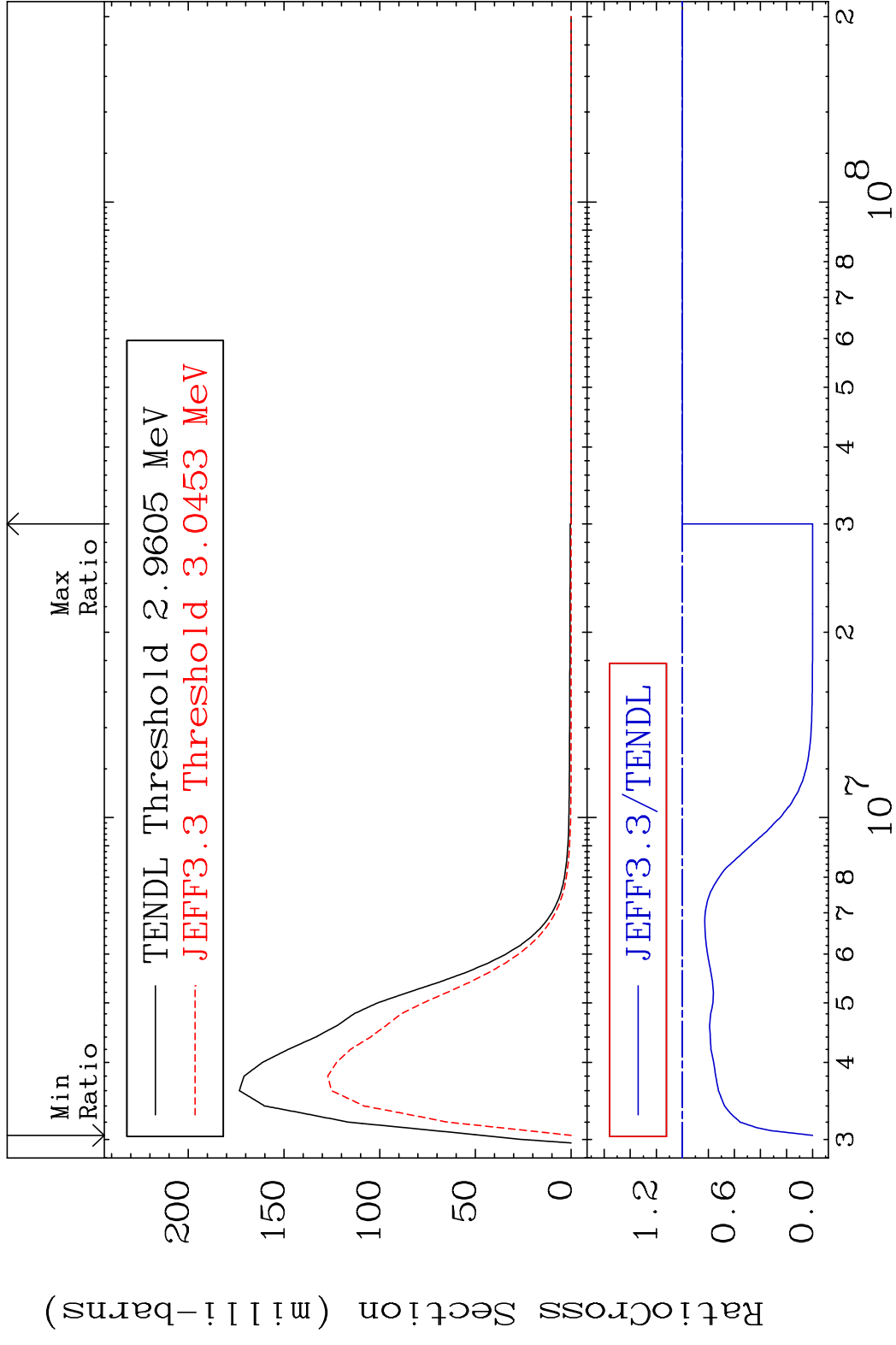
MAT 3649 MT= 55 (n, n') Level 36-Kr-86
 Cross Section 0.000 To 35.61 %



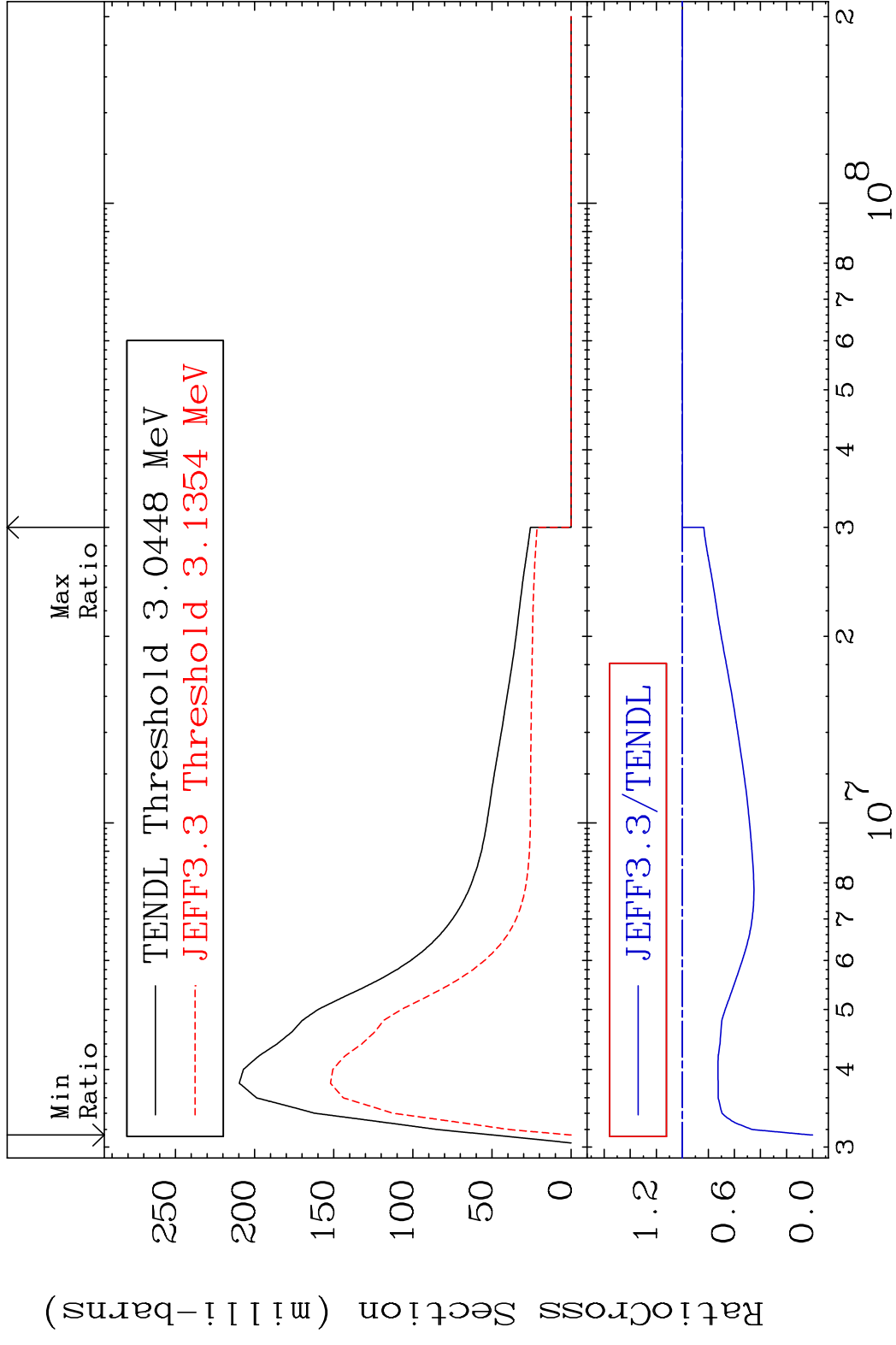
MAT 3649 MT= 56 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 96.25 %



MAT 3649 MT= 57 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 0.000 %



MAT 3649 MT= 58 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 0.000 %

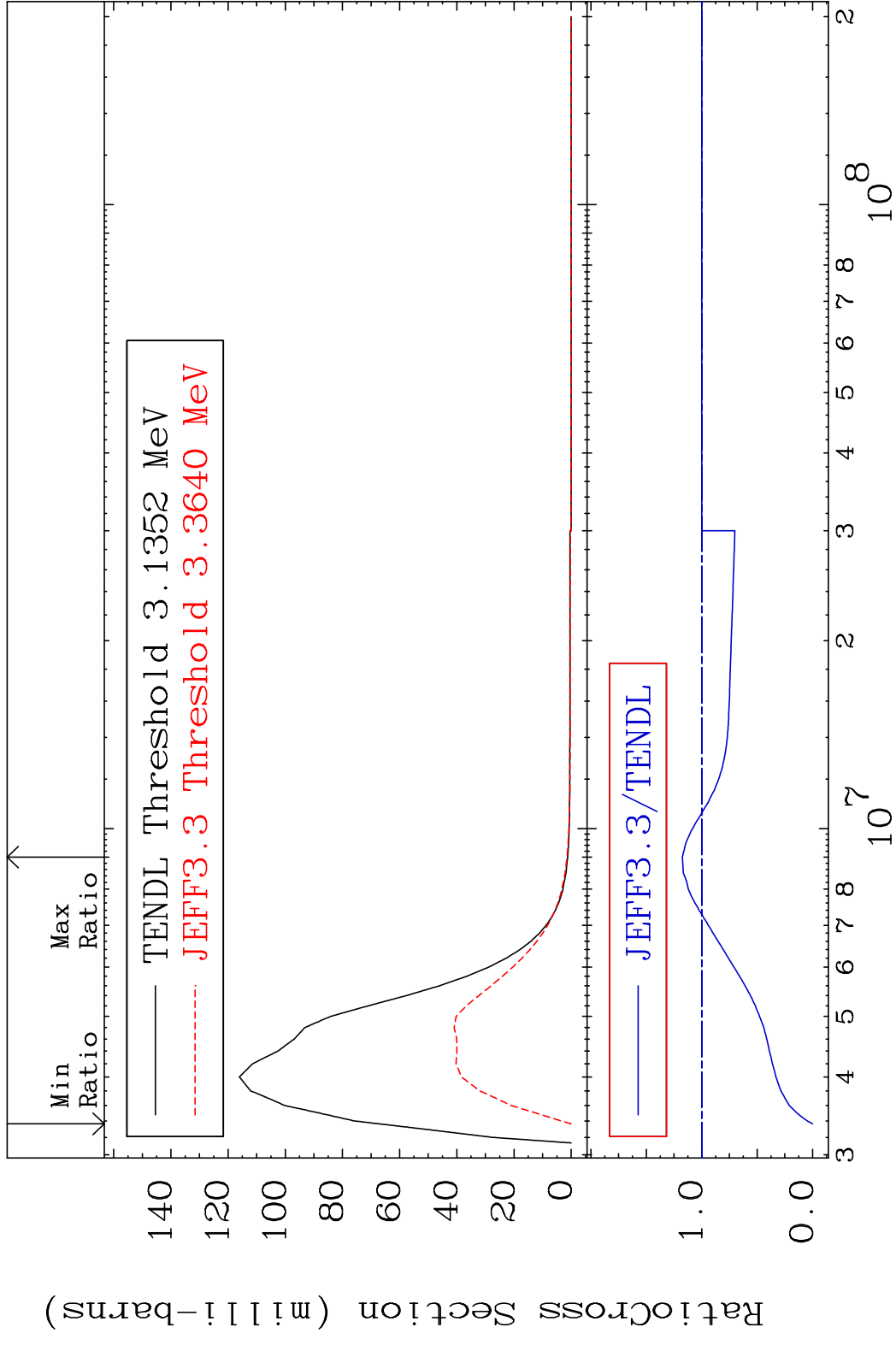


MAT 3649

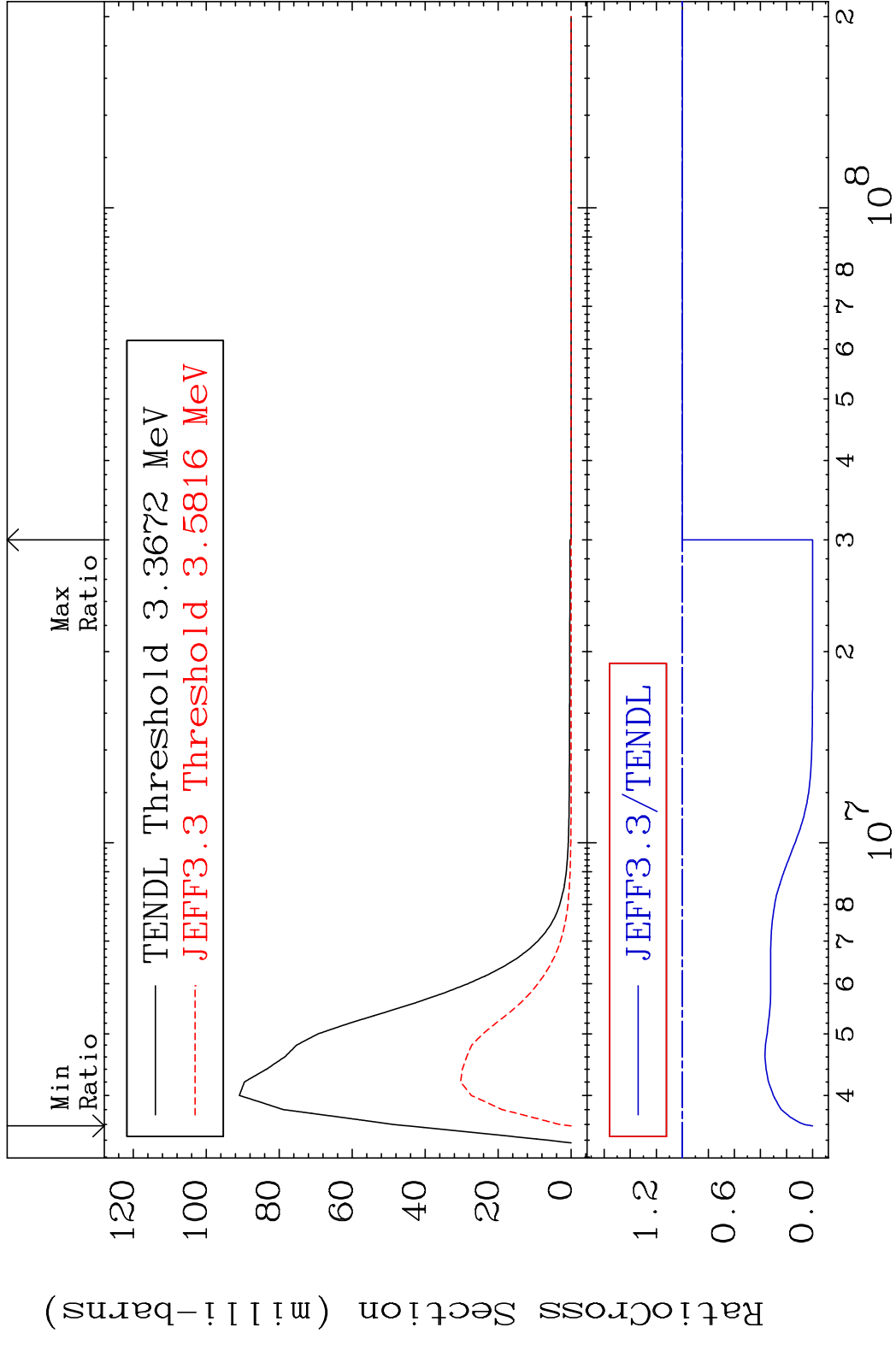
MT= 59 (n, n') Level

36-Kr-86

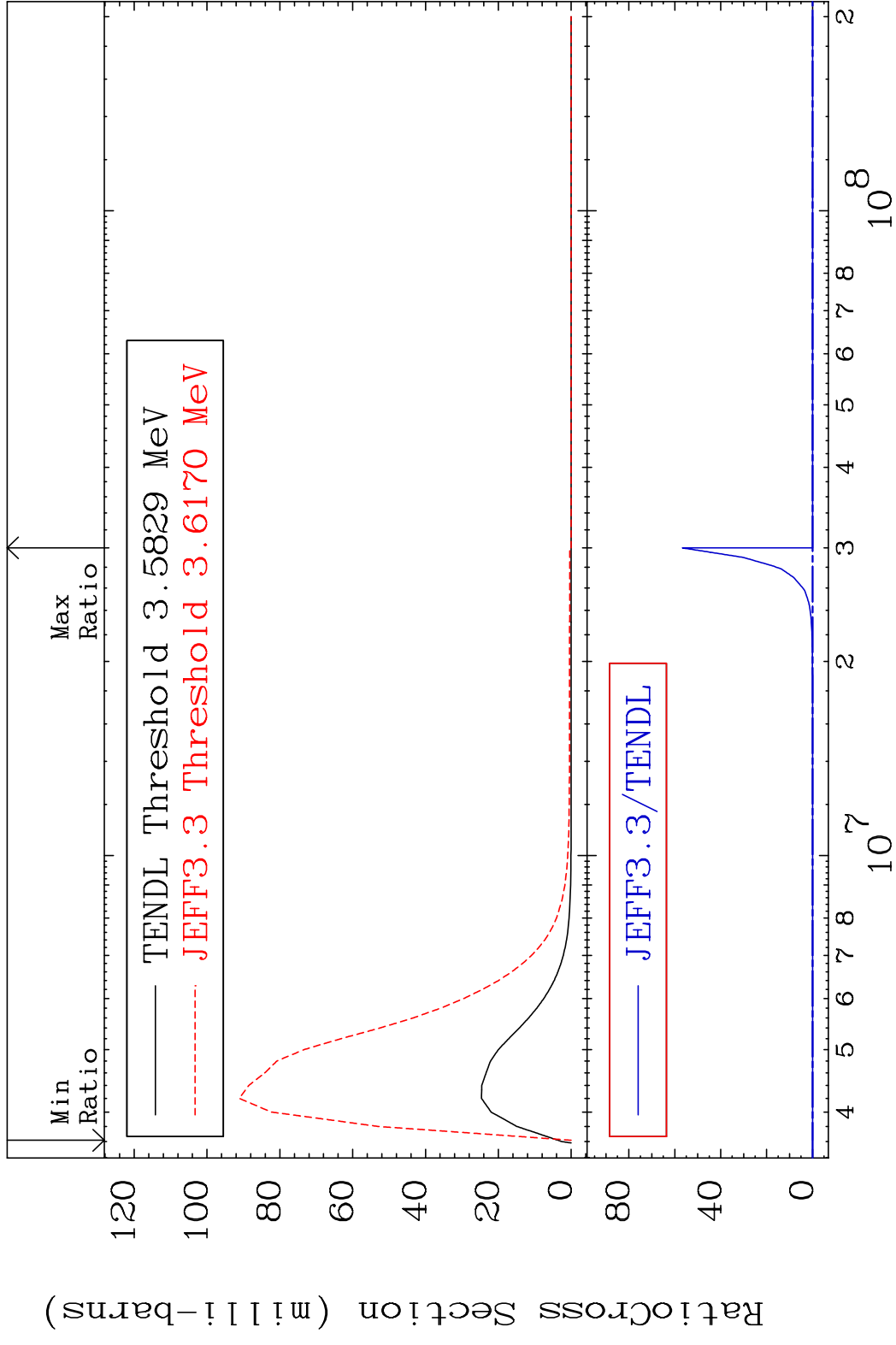
Cross Section -100.0 To 17.48 %



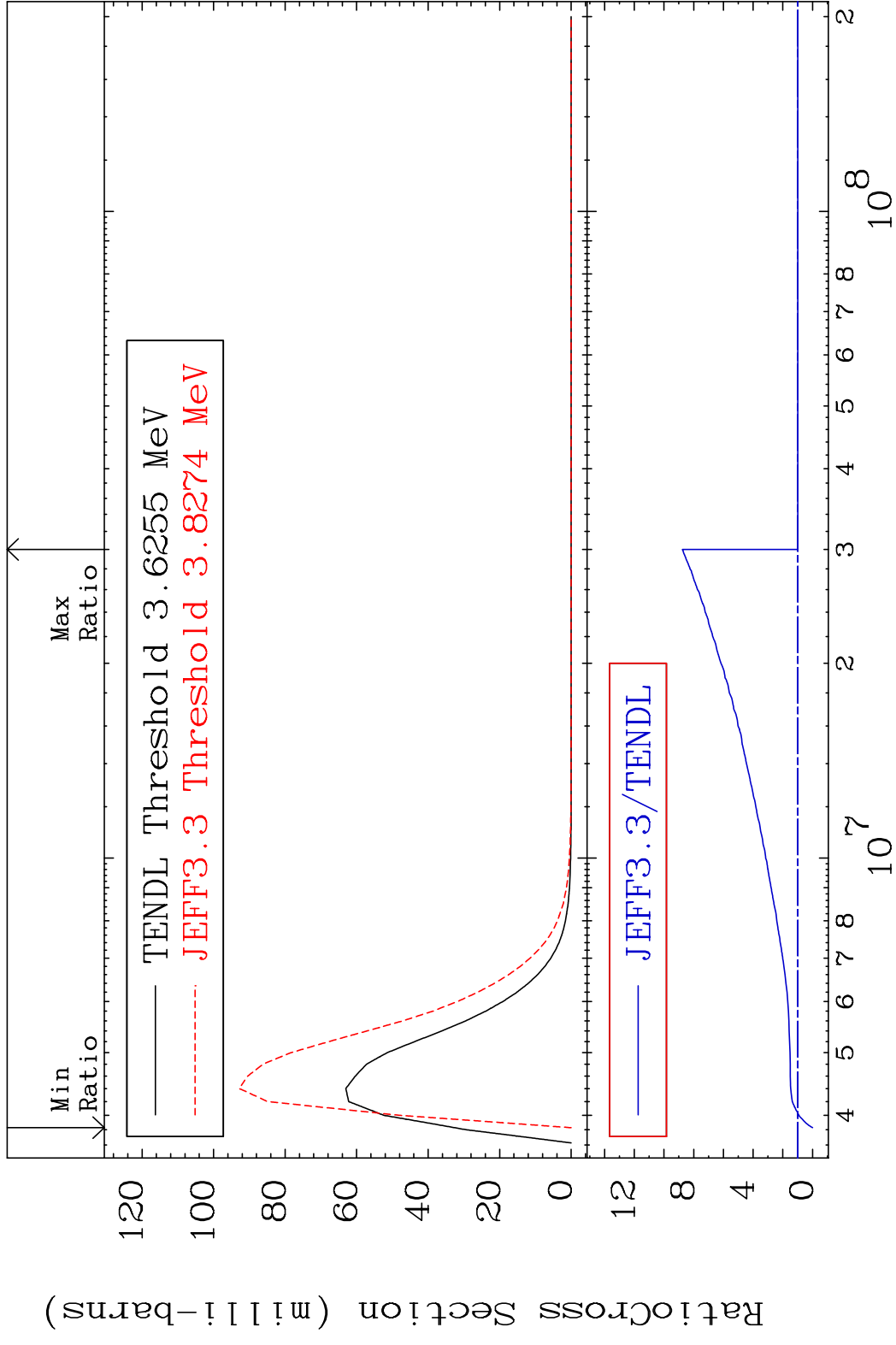
MAT 3649 MT= 60 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 0.000 %



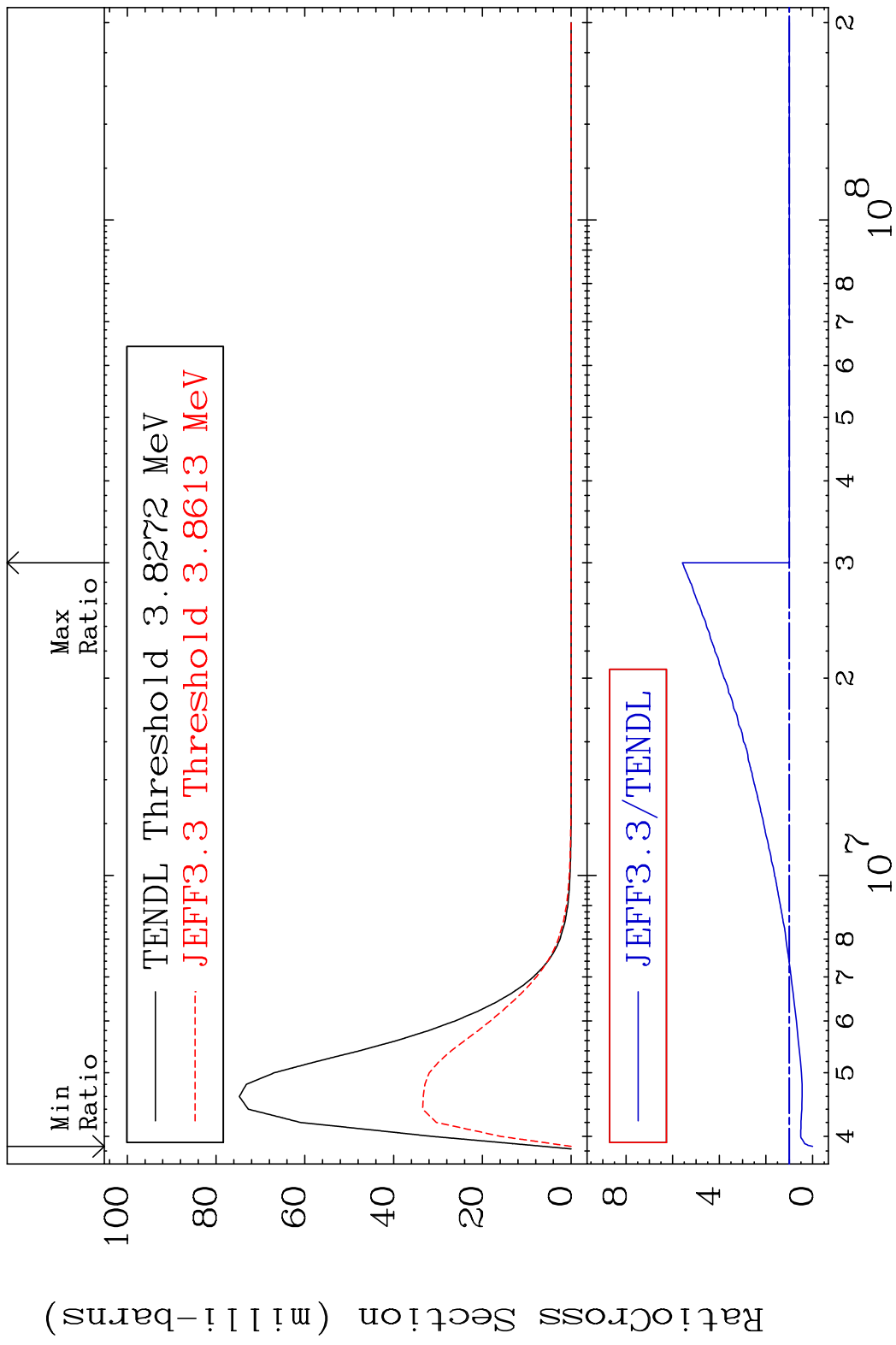
MAT 3649 MT= 61 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 9999. %



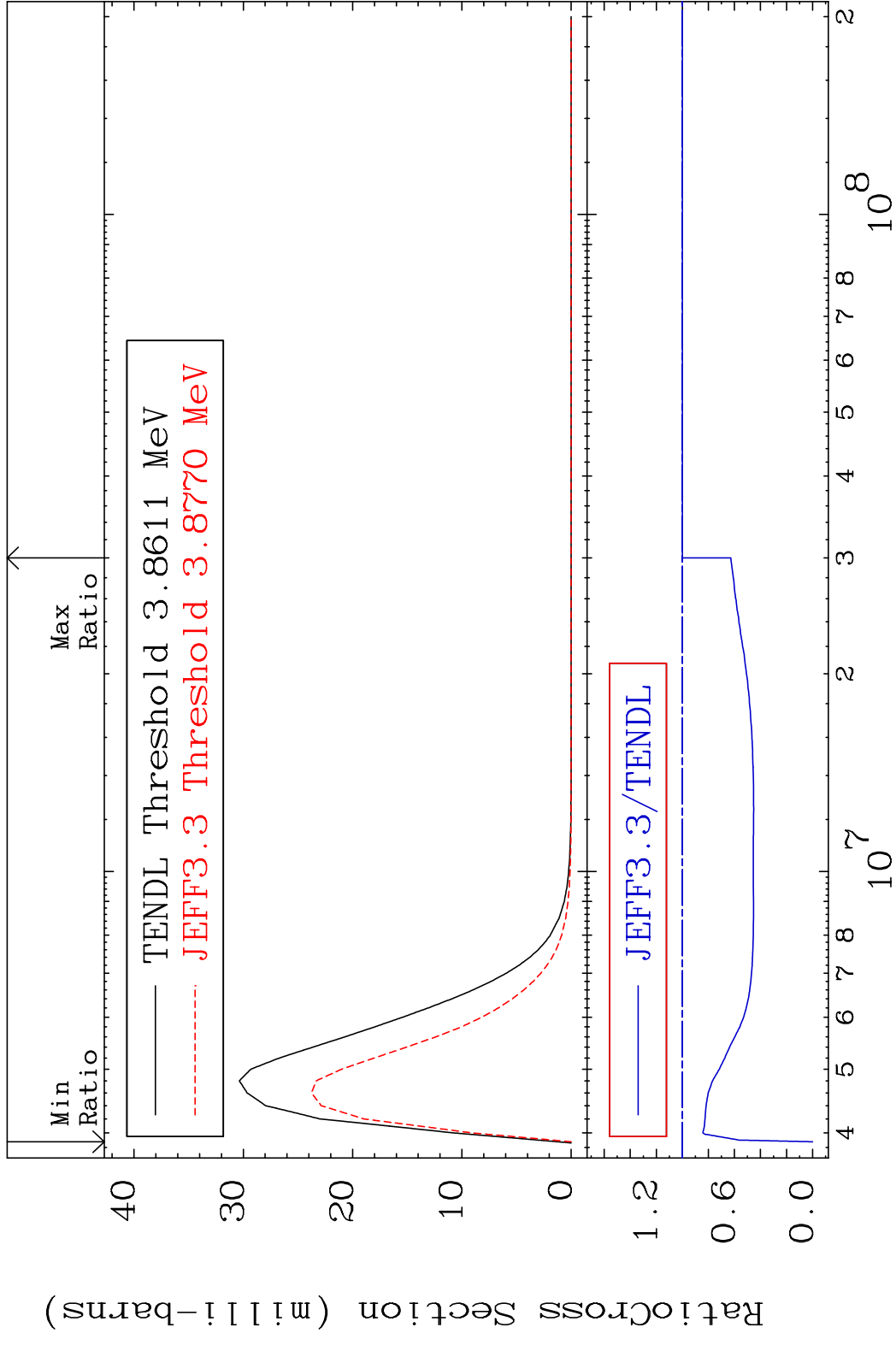
MAT 3649 MT= 62 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 776.3 %



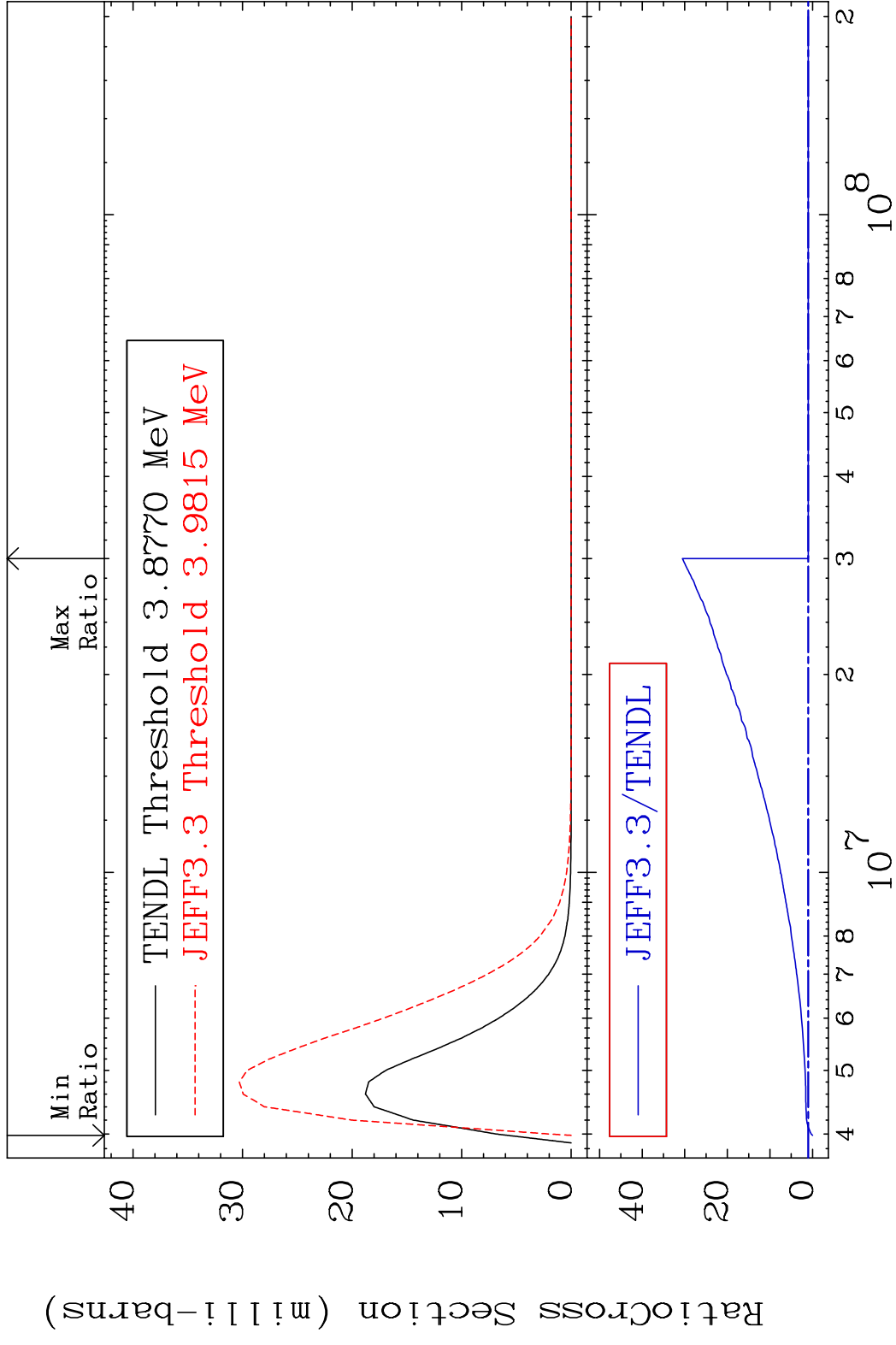
MAT 3649 MT= 63 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 458.4 %



MAT 3649 MT= 64 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 0.000 %



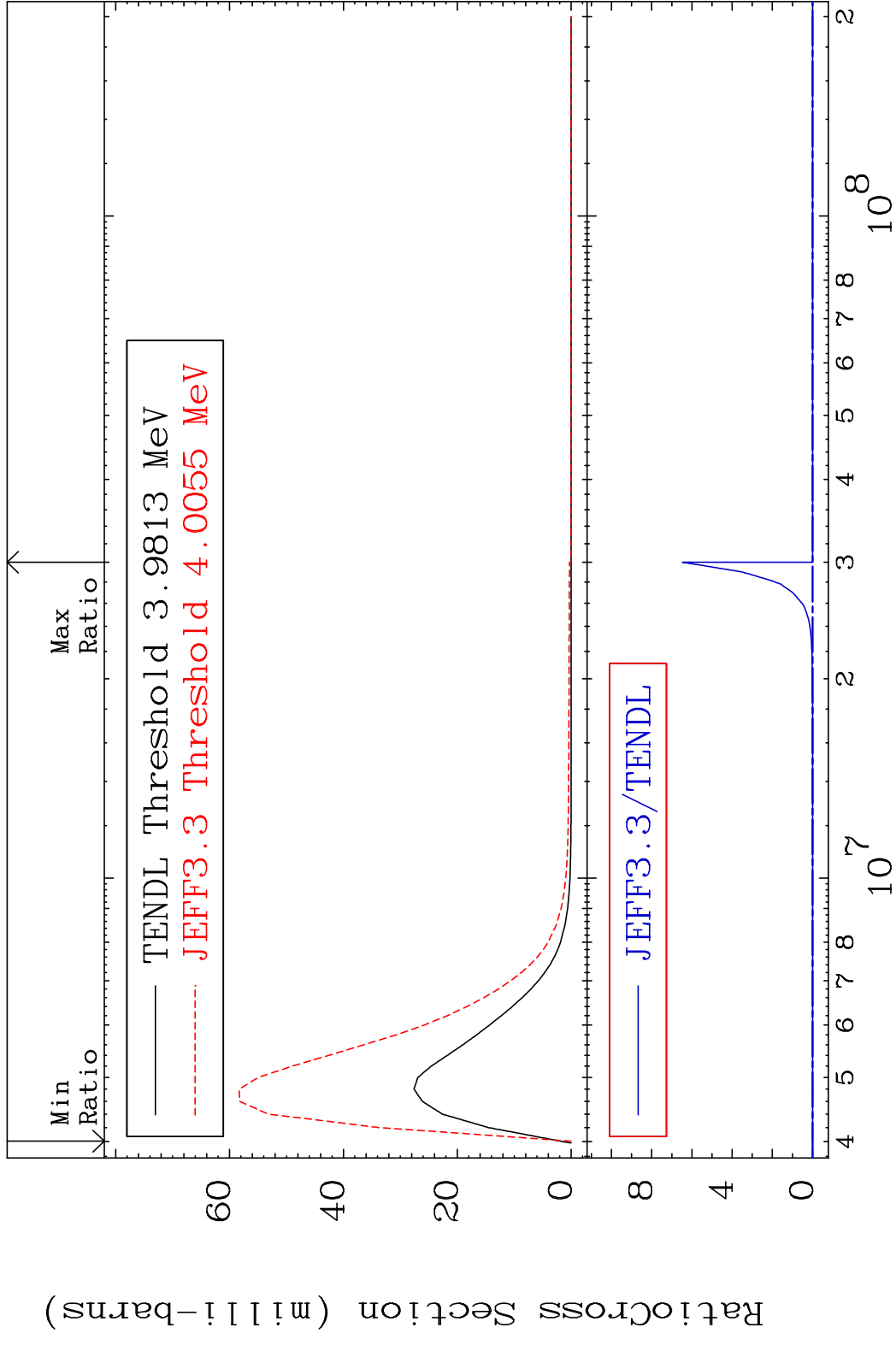
MAT 3649 MT= 65 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 2957. %



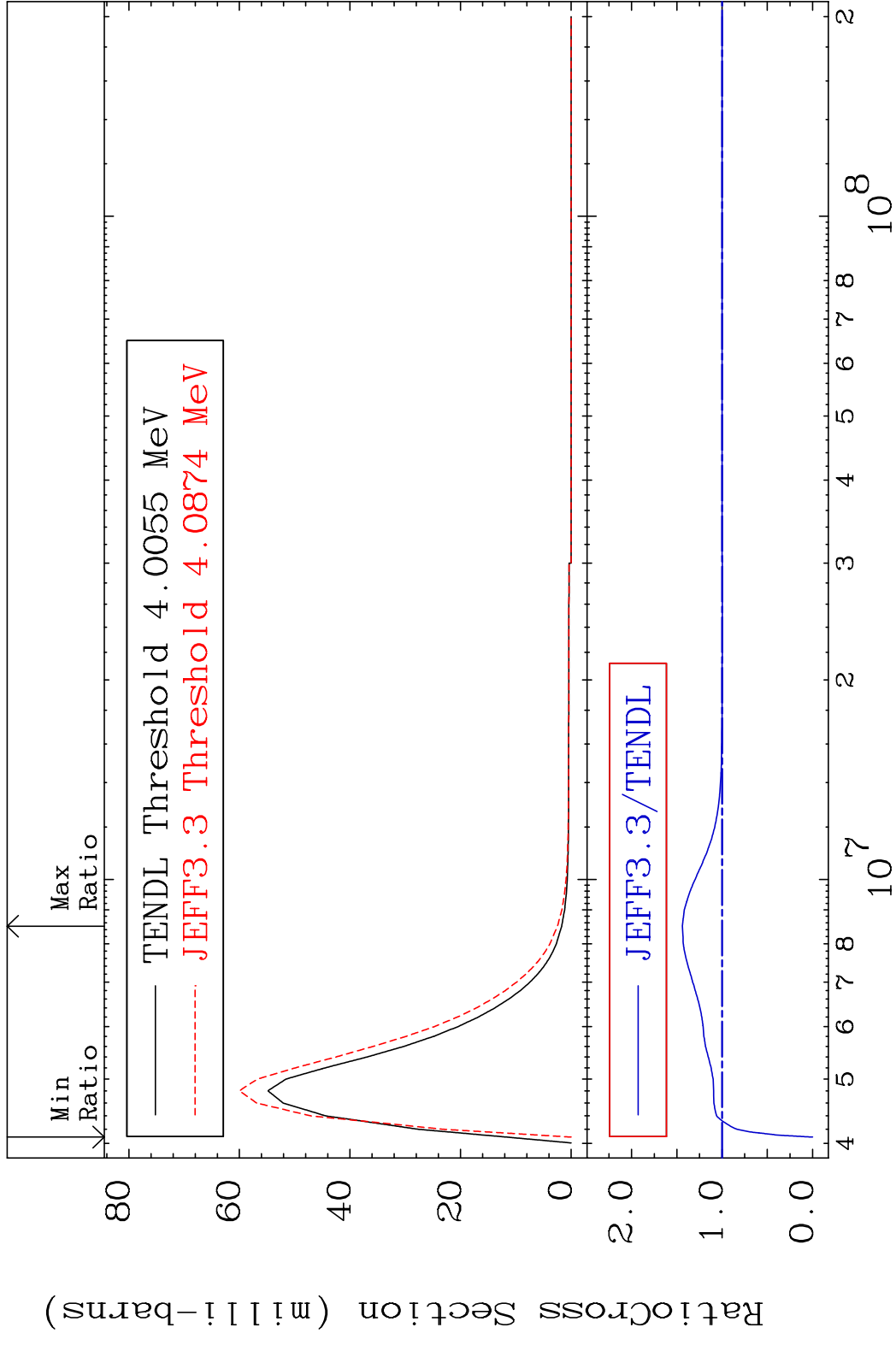
30

Incident Energy (eV) 36-Kr-86

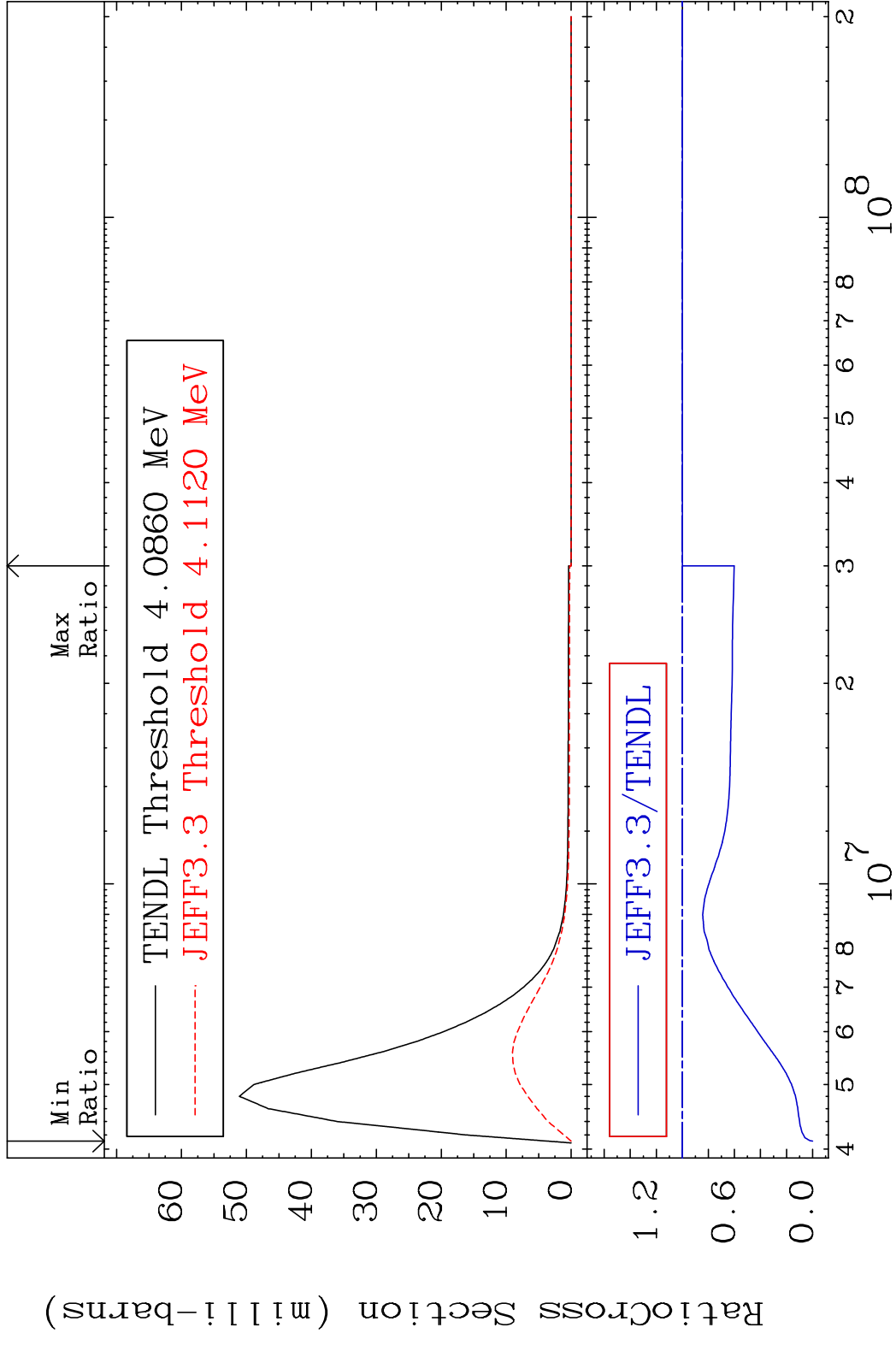
MAT 3649 MT= 66 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 9999. %



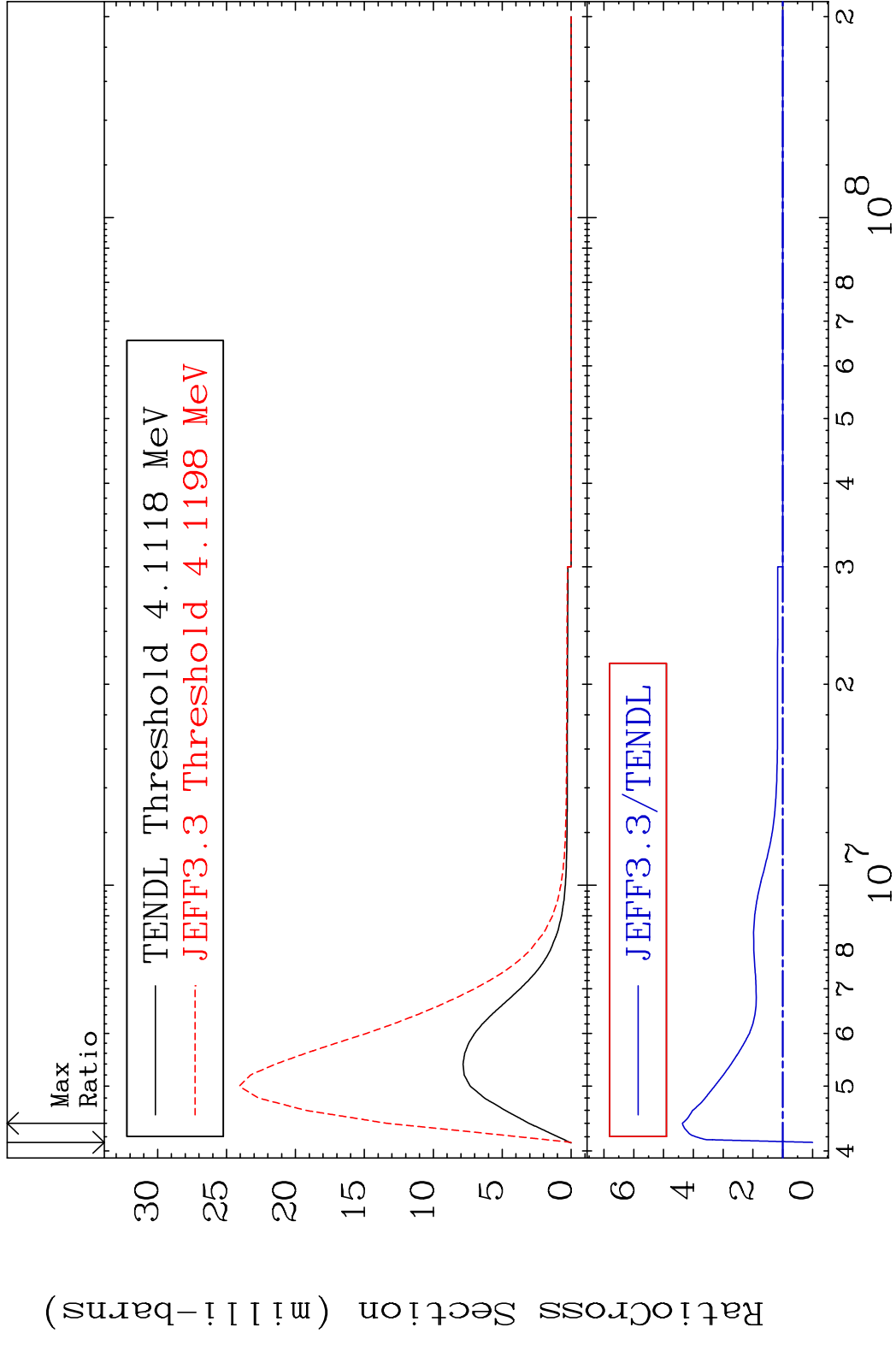
MAT 3649 MT= 67 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 43.93 %



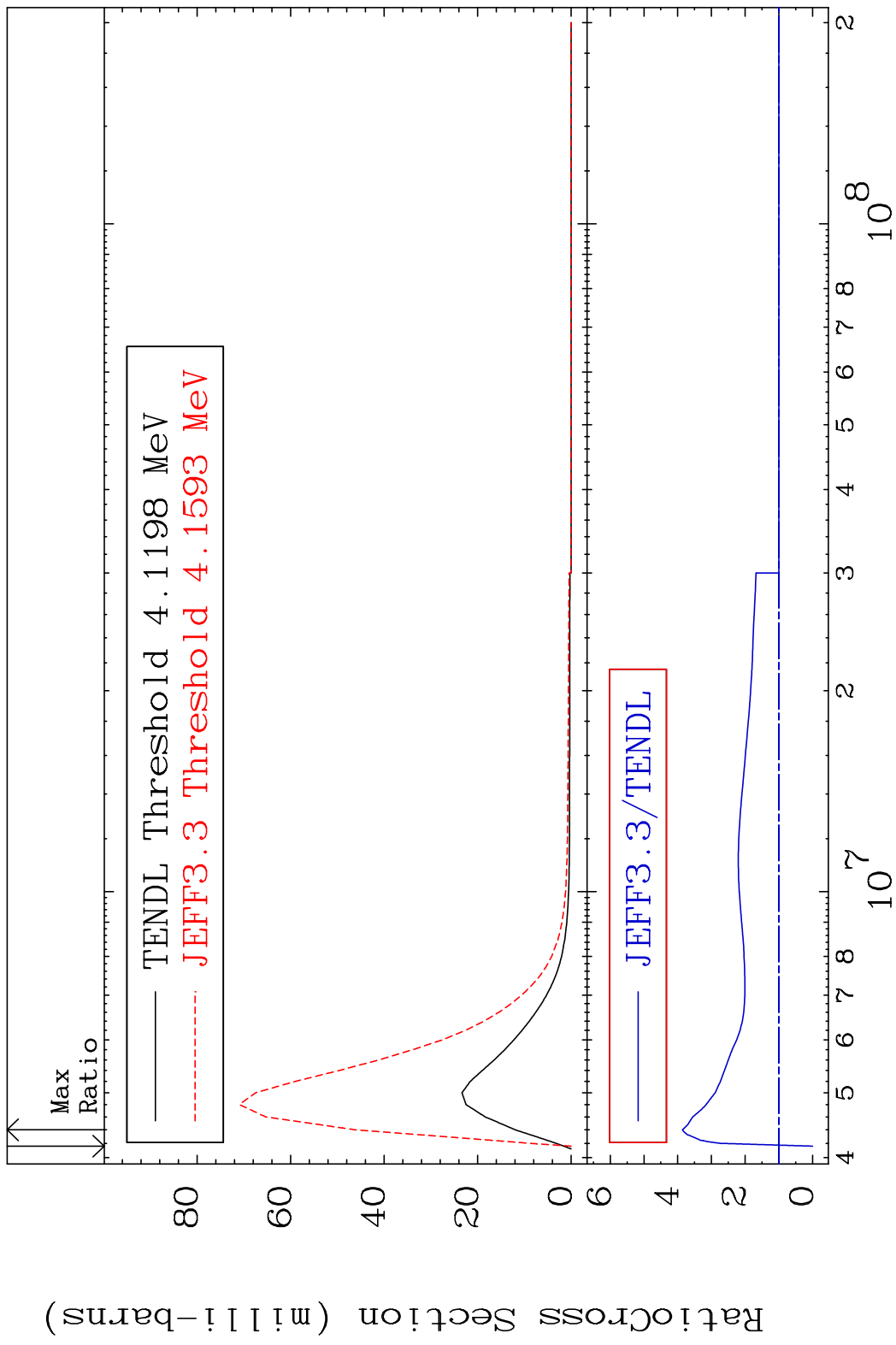
MAT 3649 MT= 68 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 0.000 %



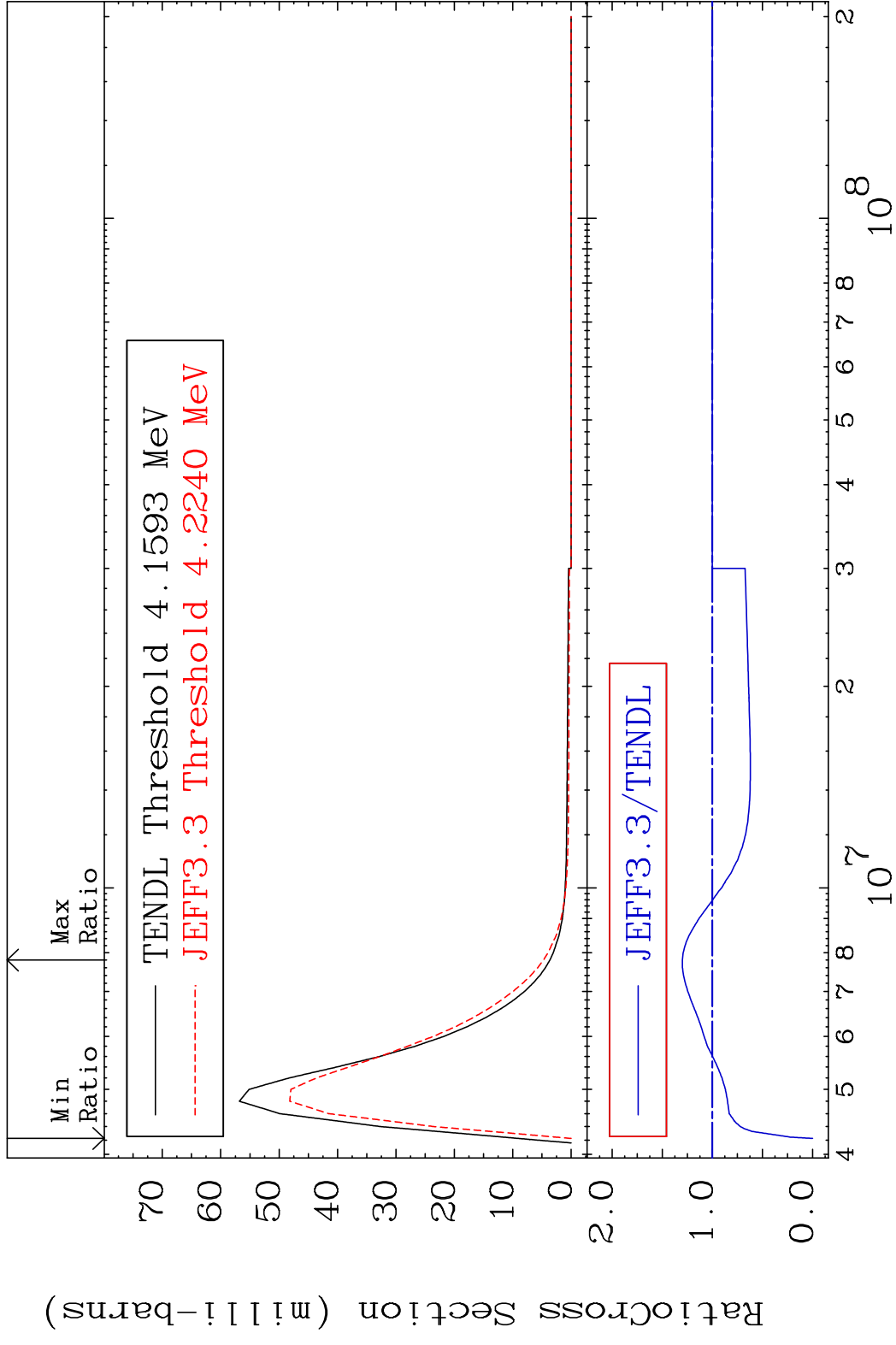
MAT 3649 MT= 69 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 336.9 %



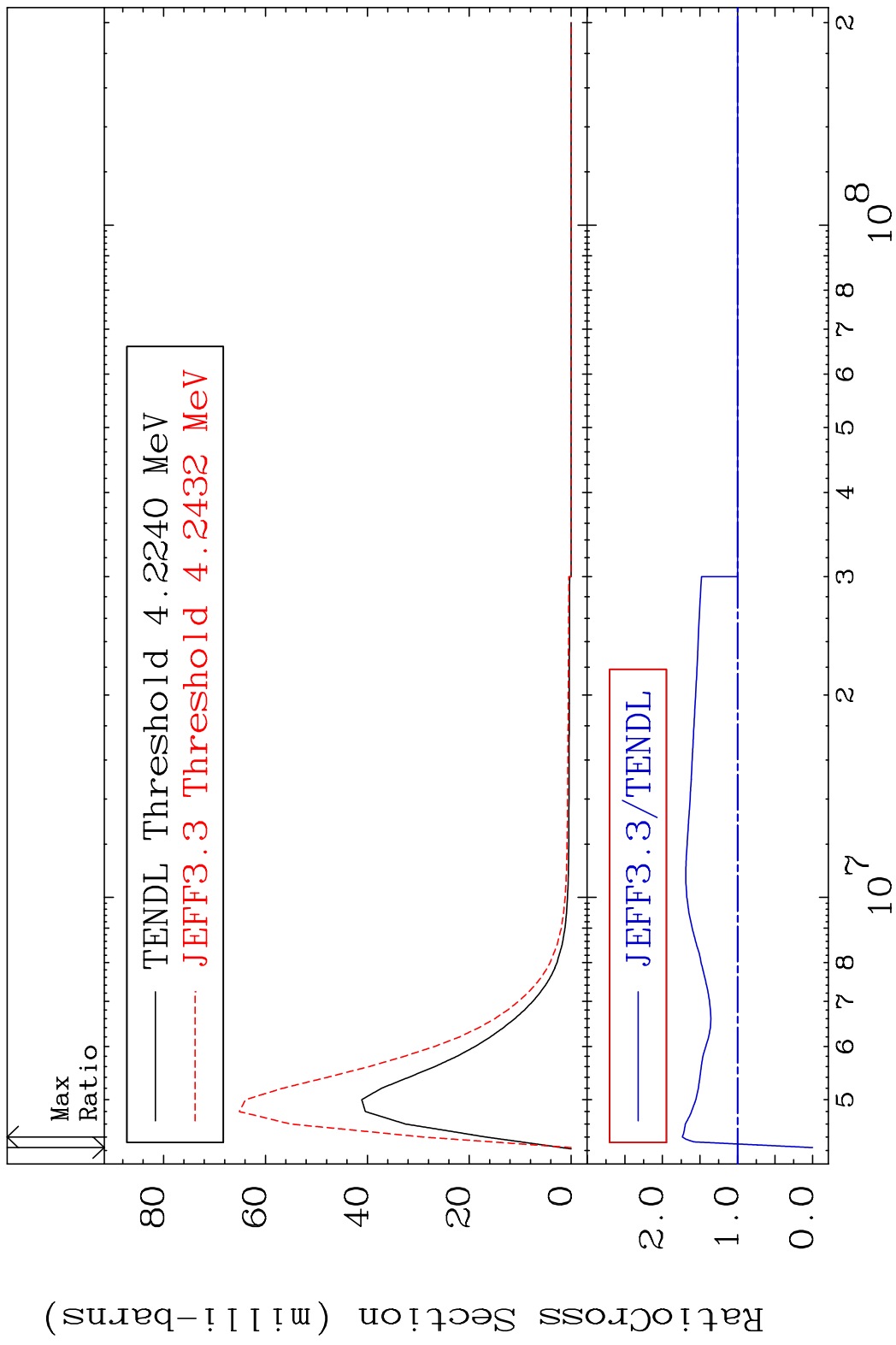
MAT 3649 MT= 70 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 286.2 %



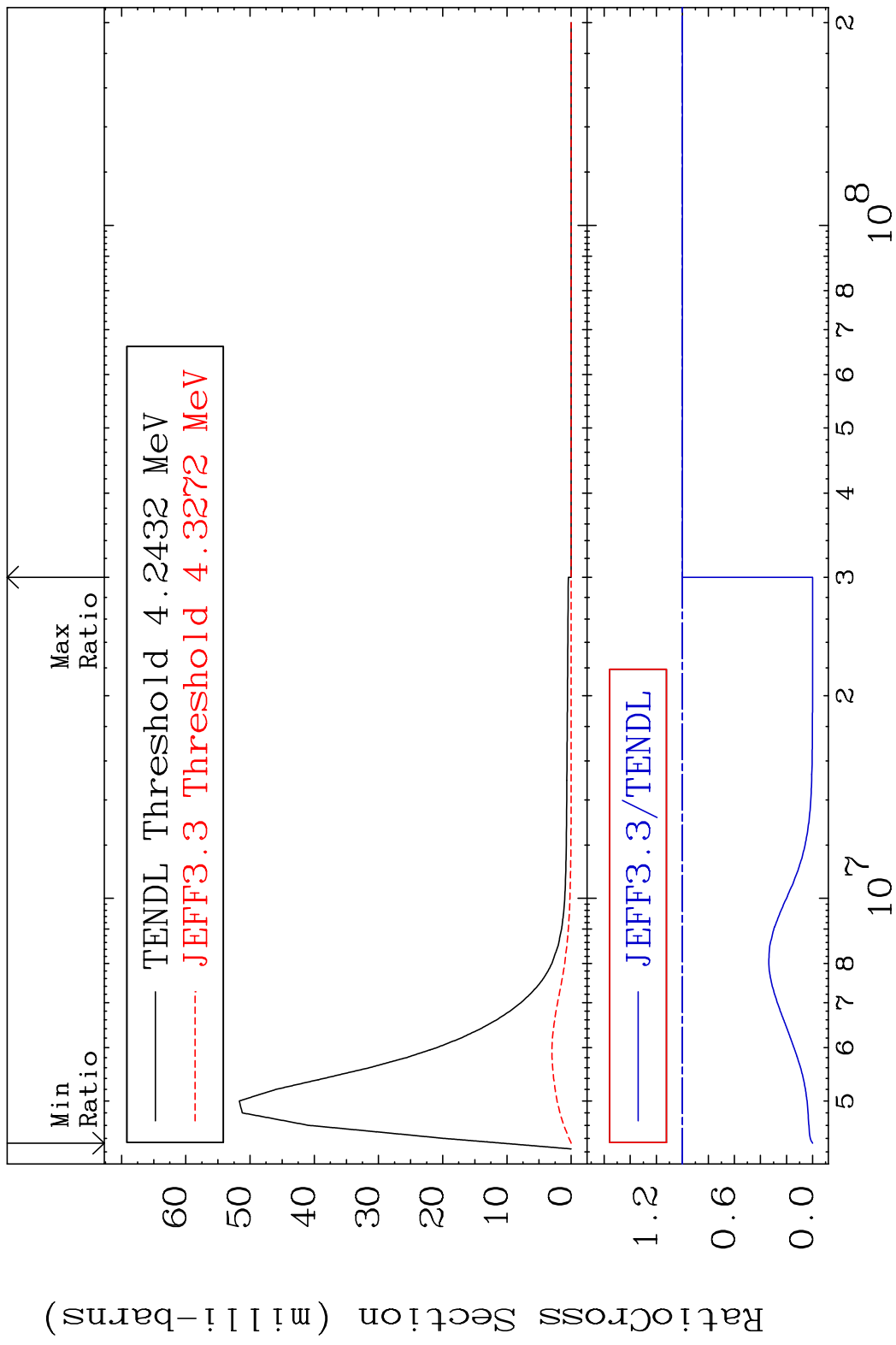
MAT 3649 MT= 71 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 29.97 %



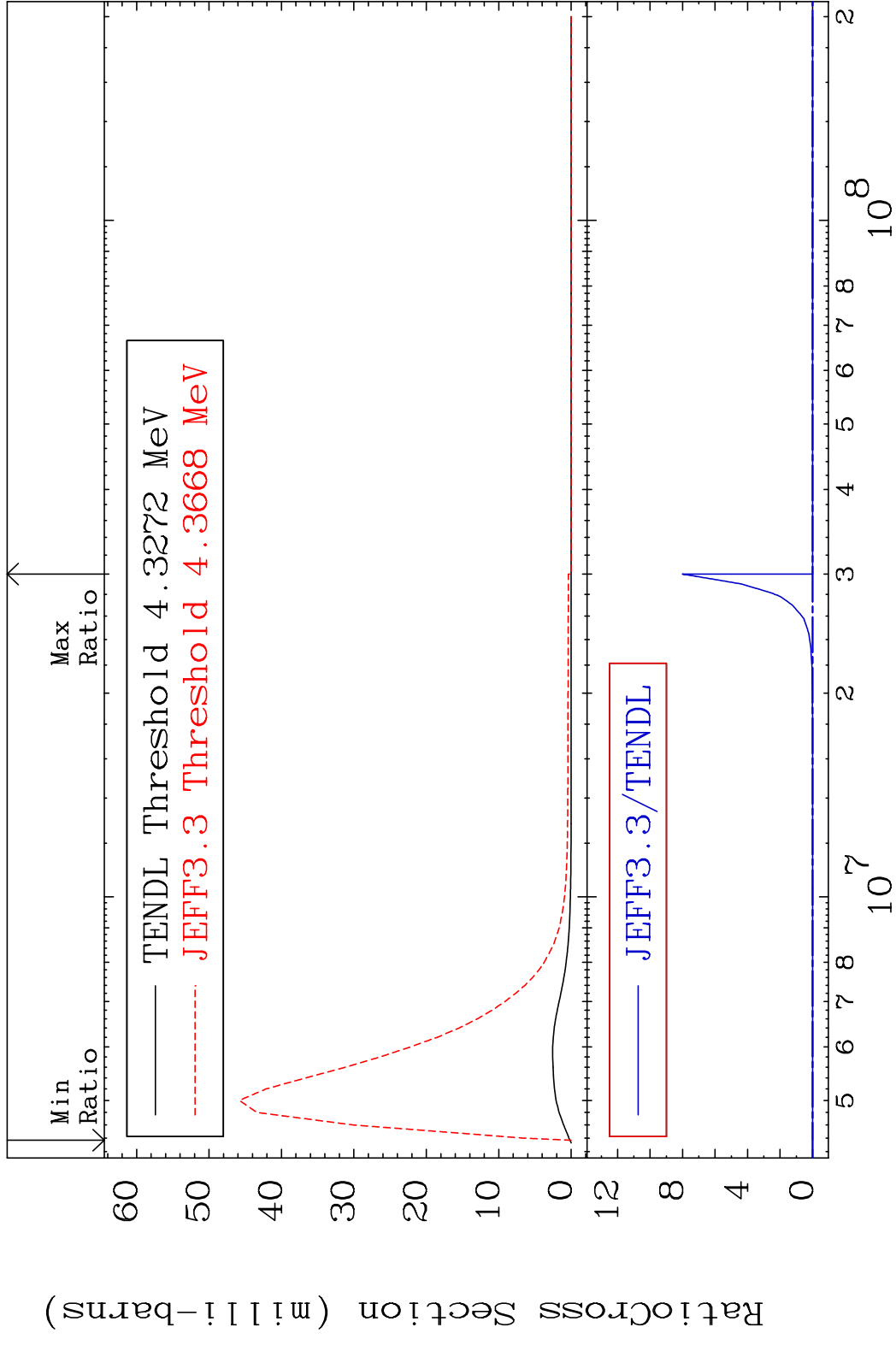
MAT 3649 MT= 72 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 73.41 %



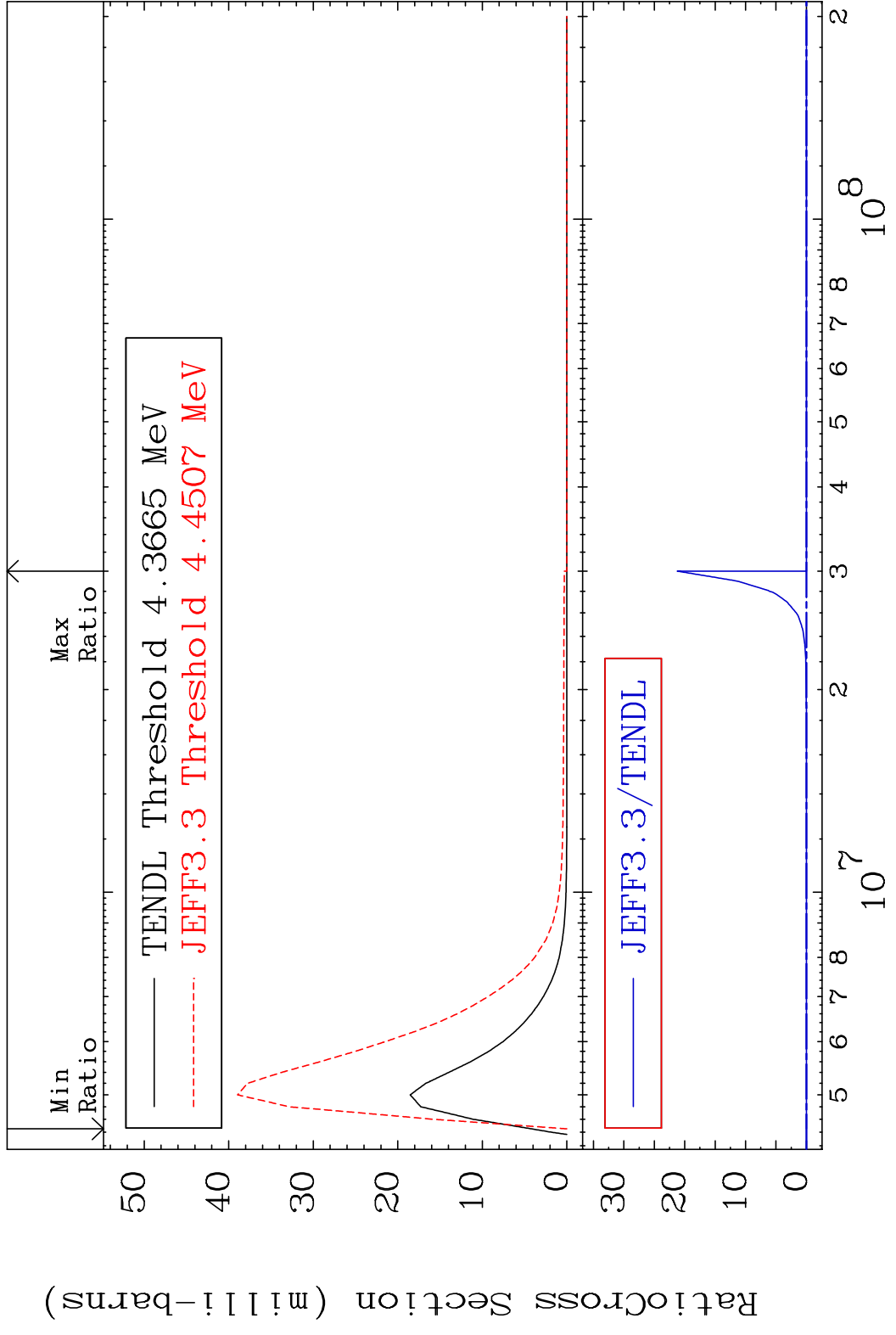
MAT 3649 MT= 73 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 0.000 %



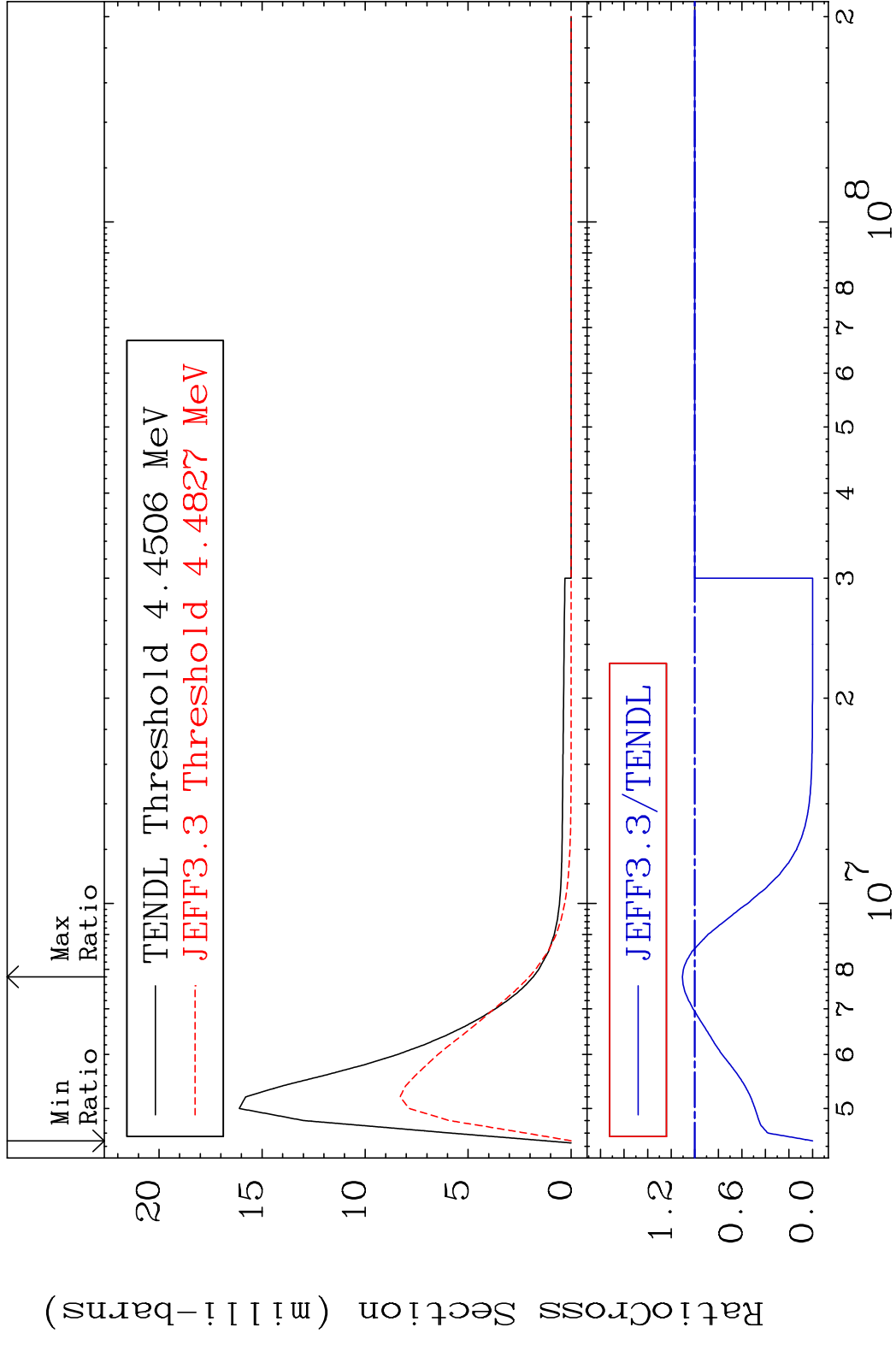
MAT 3649 MT= 74 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 9999. %



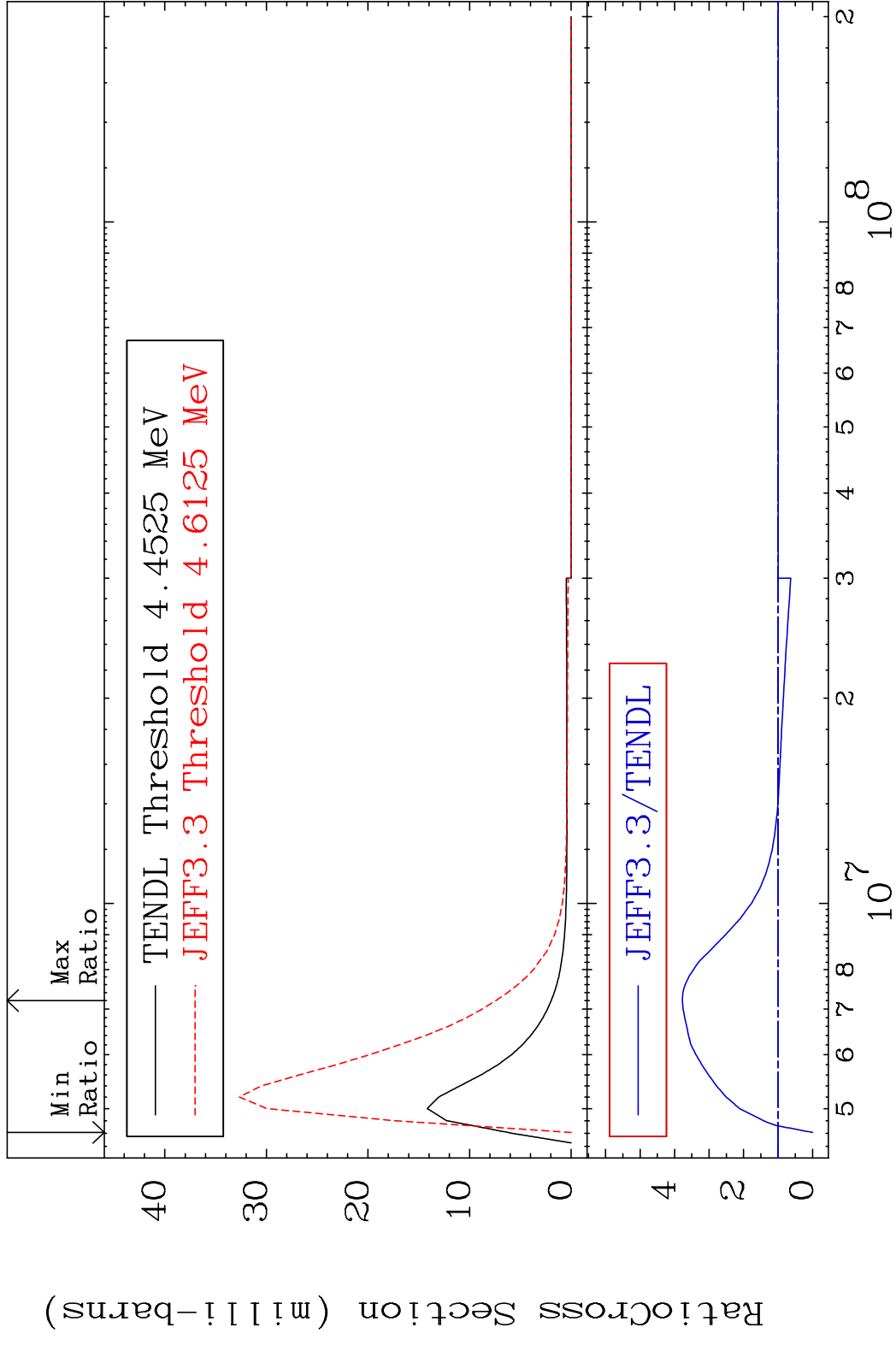
MAT 3649 MT= 75 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 9999. %



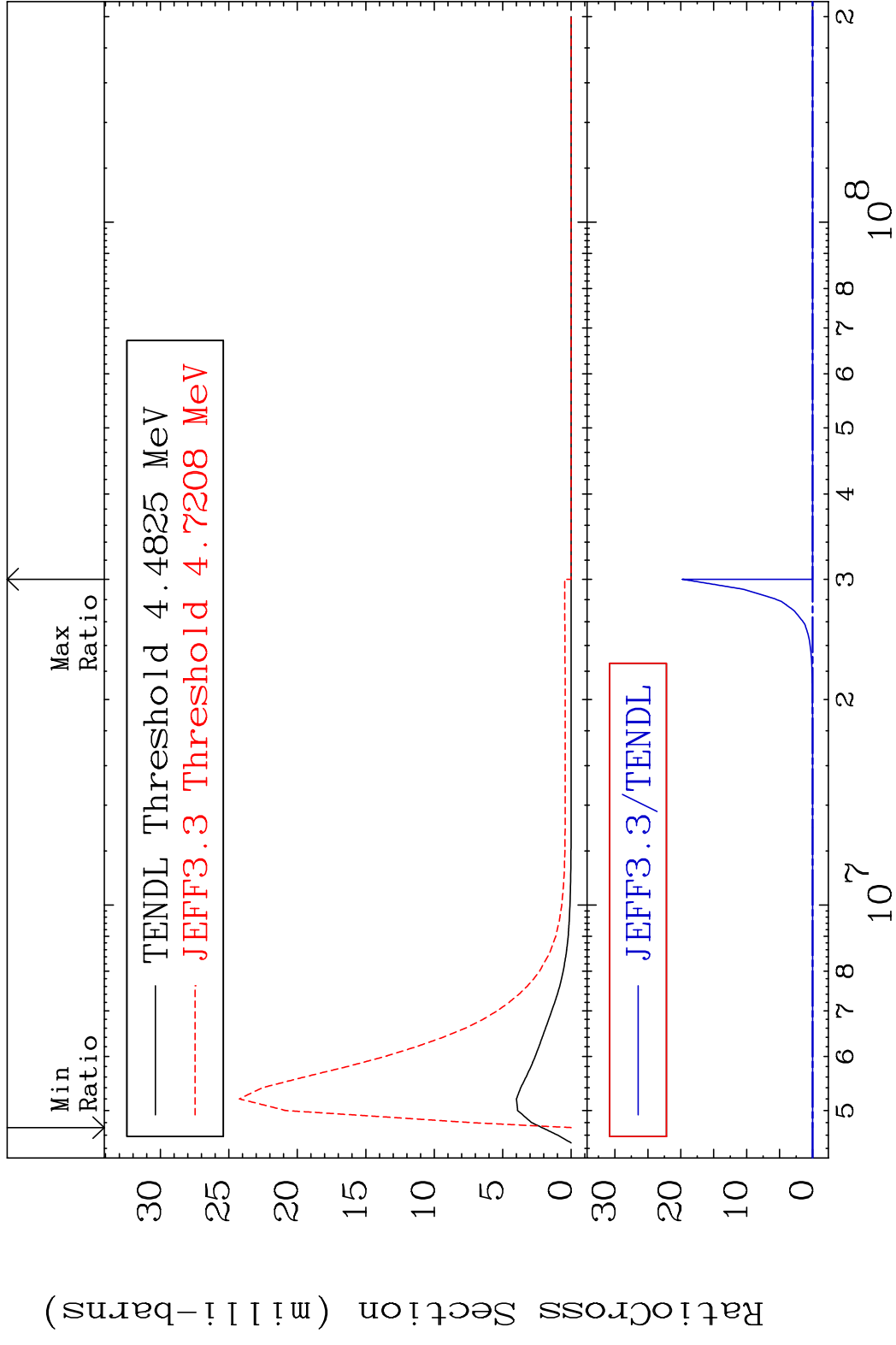
MAT 3649 MT= 76 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 10.53 %



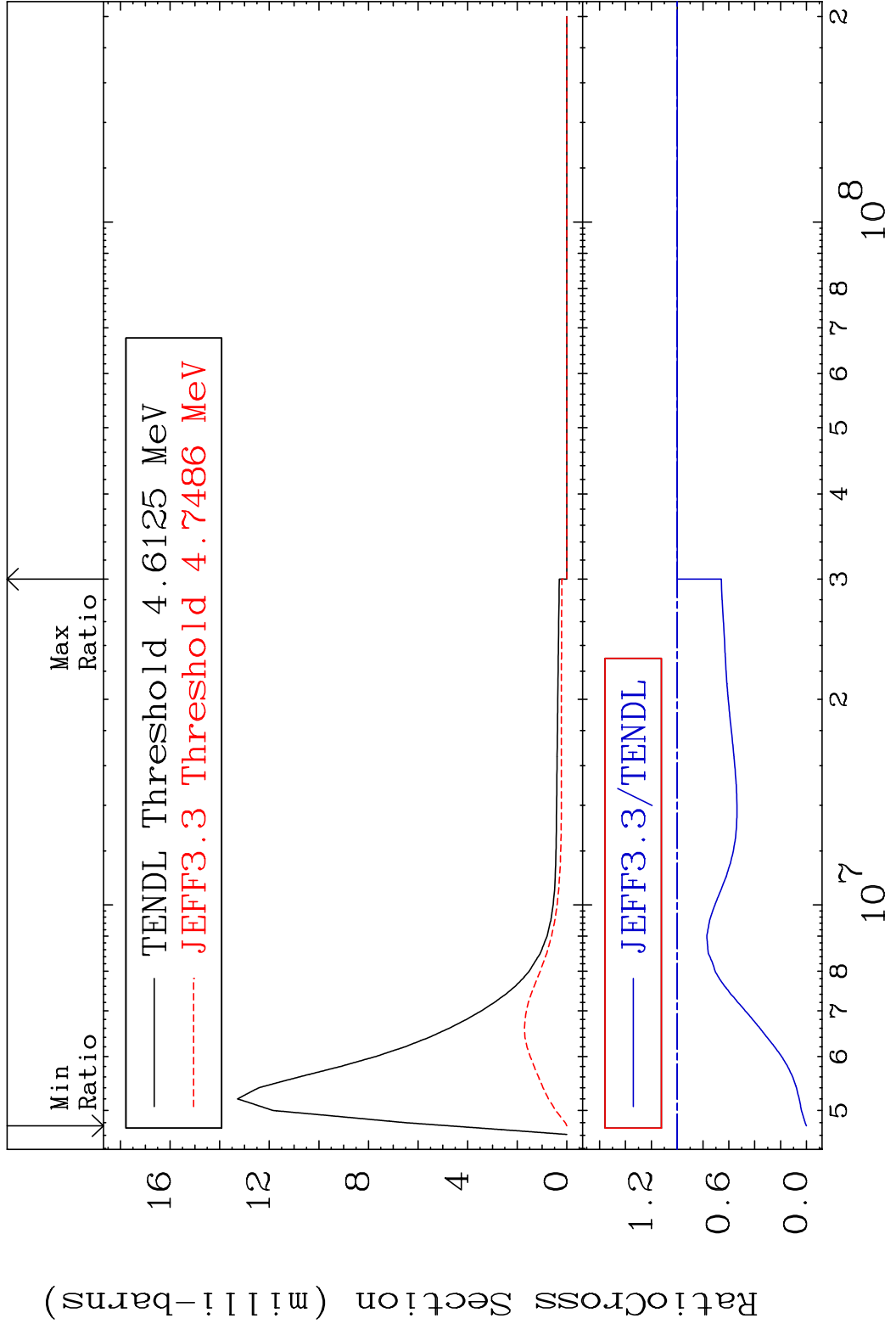
MAT 3649 MT= 77 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 277.5 %



MAT 3649 MT= 78 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 9999. %



MAT 3649 MT= 79 (n, n') Level 36-Kr-86
 Cross Section -100.0 To 0.000 %

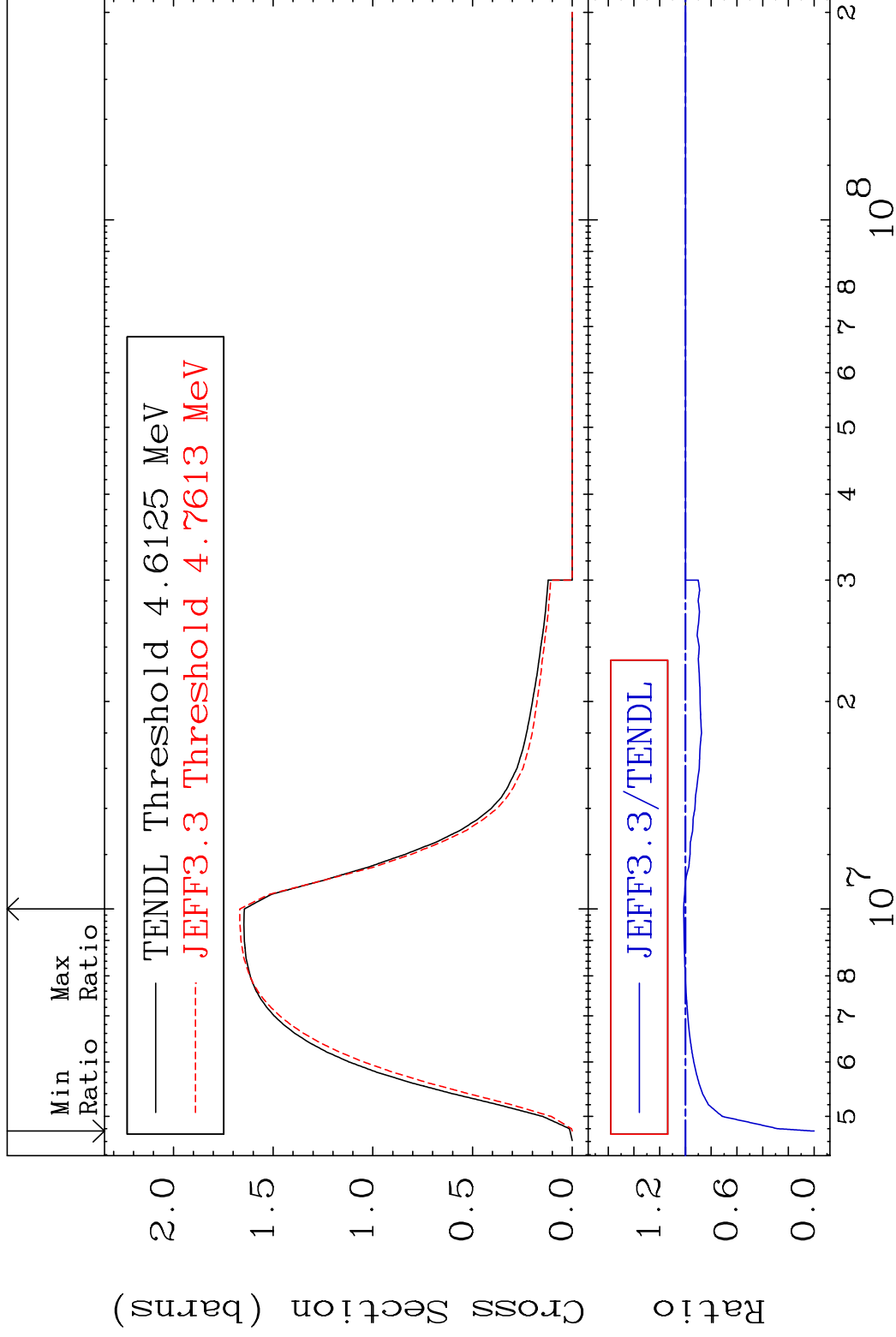


MAT 3649

(n, n') Continuum

36-Kr-86

Cross Section -100.0 To 1.378 %



45

Incident Energy (eV)

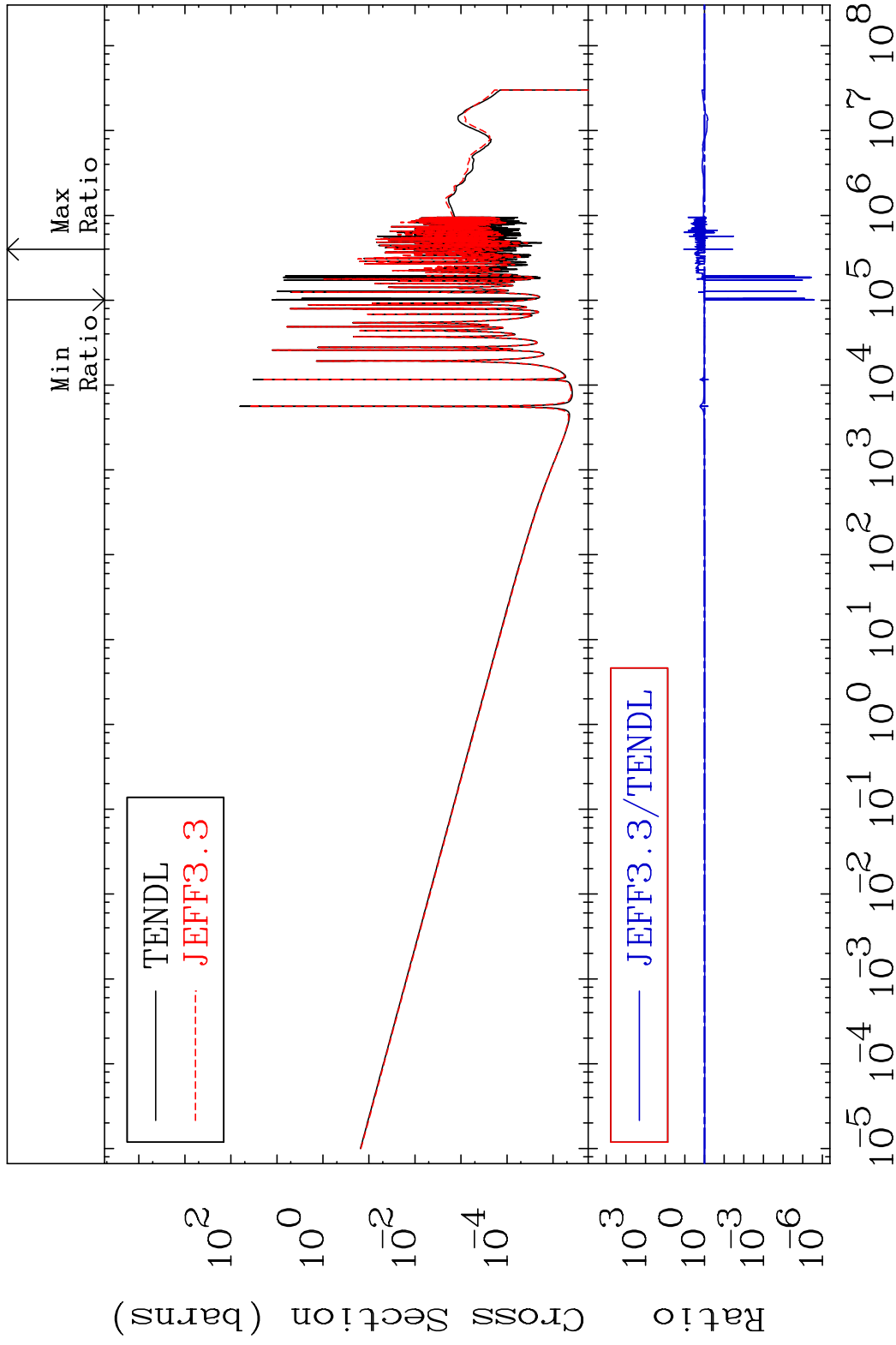
36-Kr-86

MAT 3649

(n, γ)

36-Kr-86

Cross Section -100.0 To 1038. %

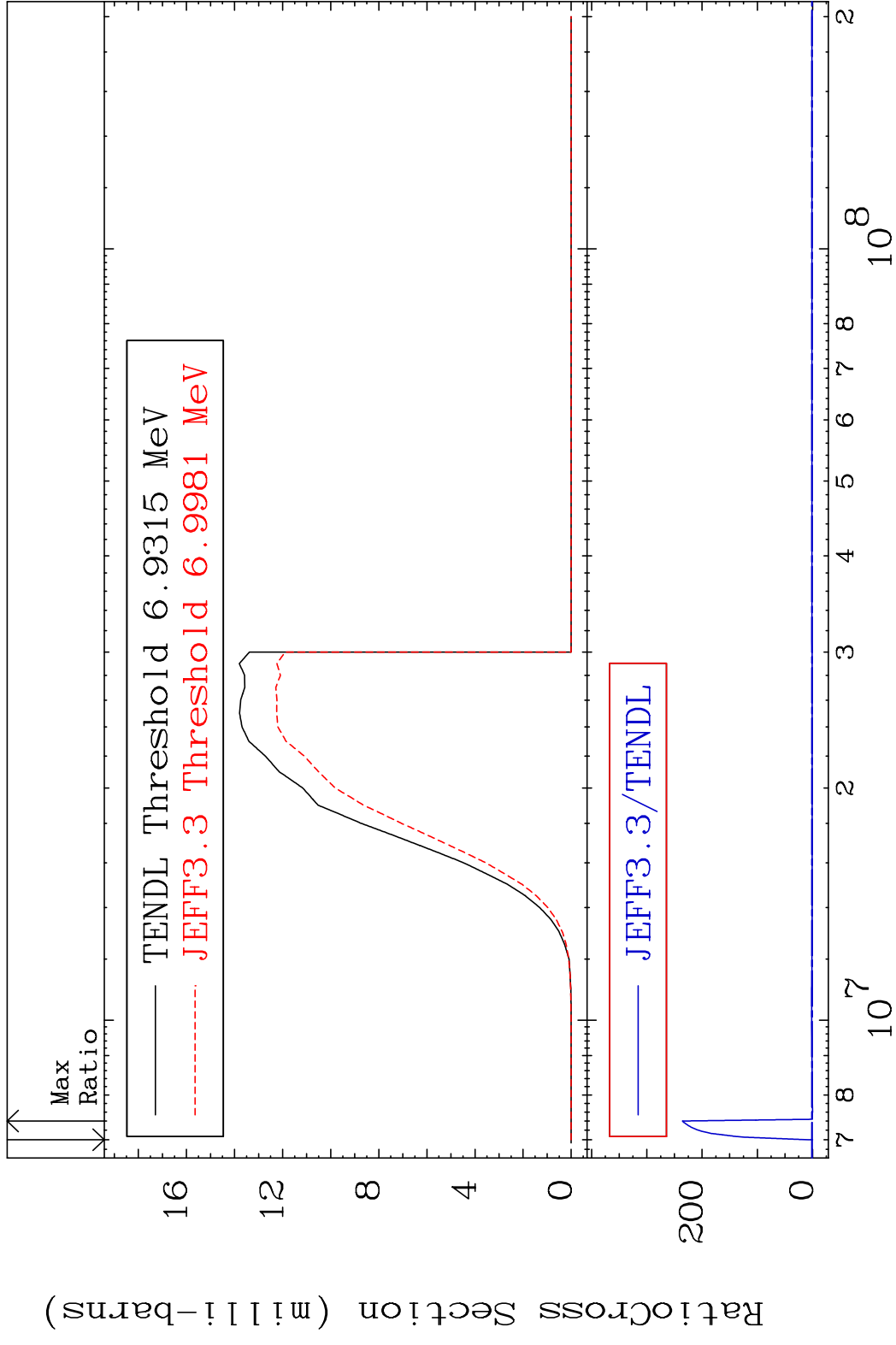


46

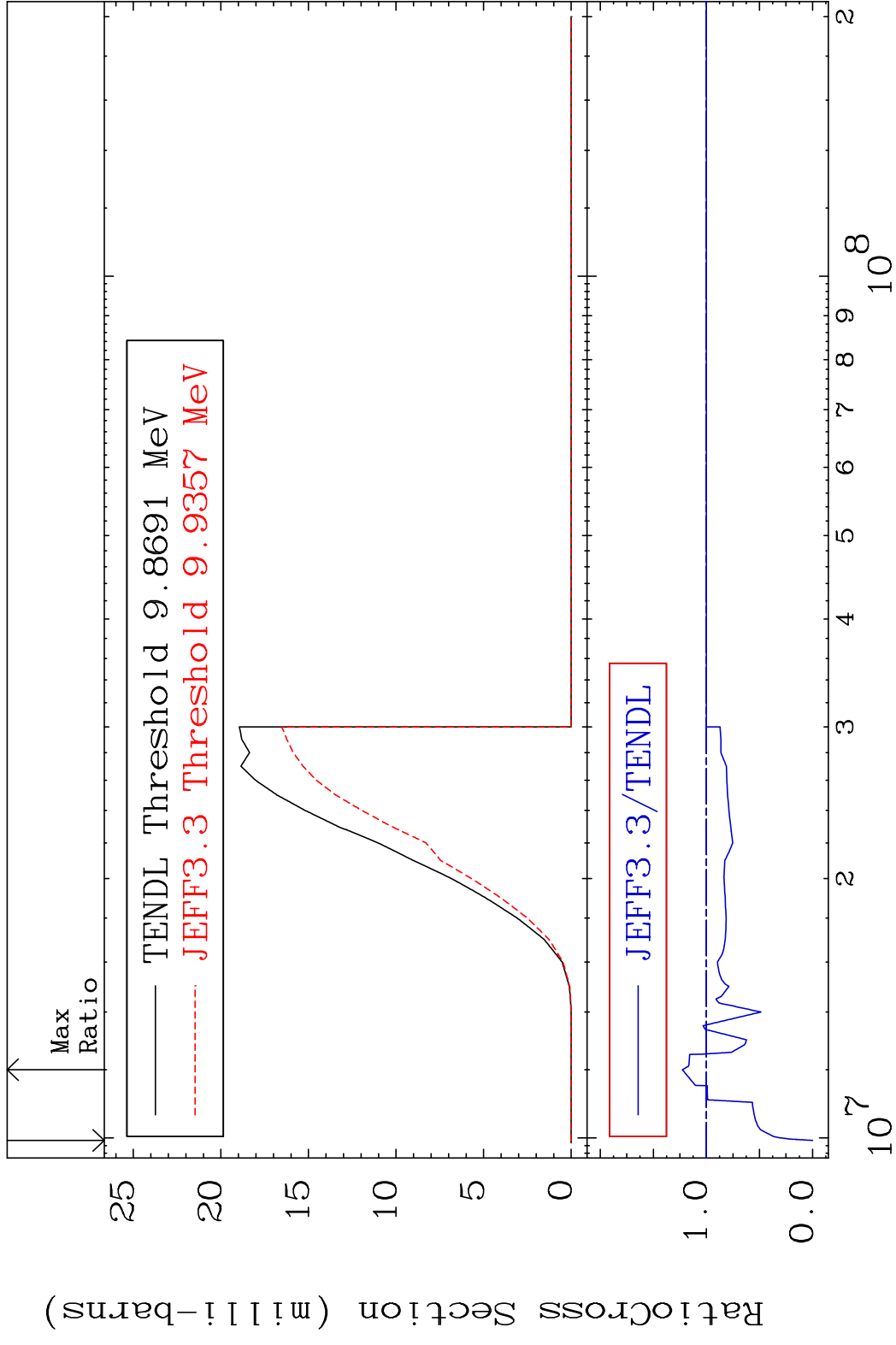
Incident Energy (eV)

36-Kr-86

MAT 3649 (n,p) 36-Kr-86
 Cross Section -100.0 To 9999. %



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



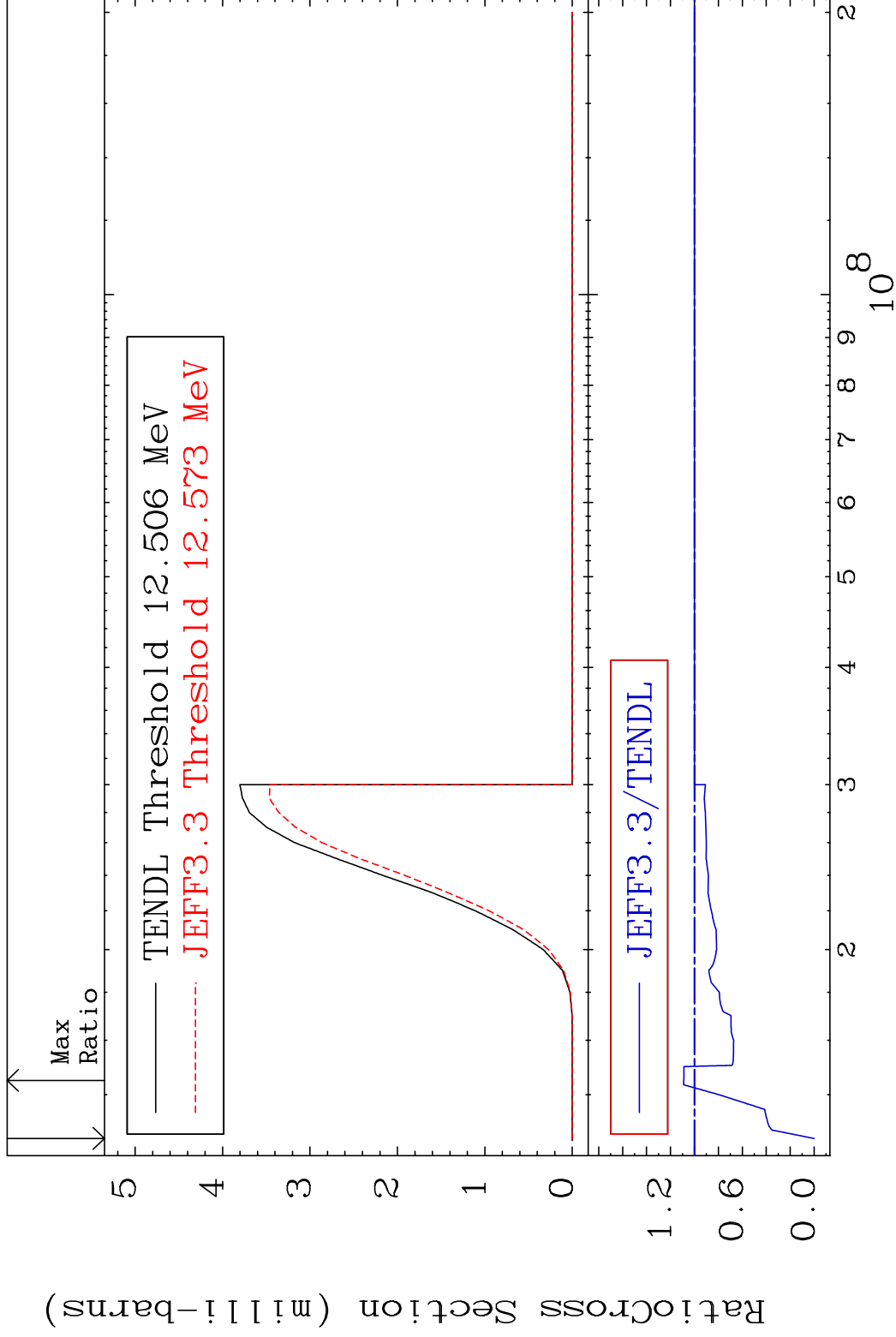
48 36-Kr-86

MAT 3649

(n, t)

36-Kr-86

Cross Section -100.0 To 9.002 %



49

Incident Energy (eV)

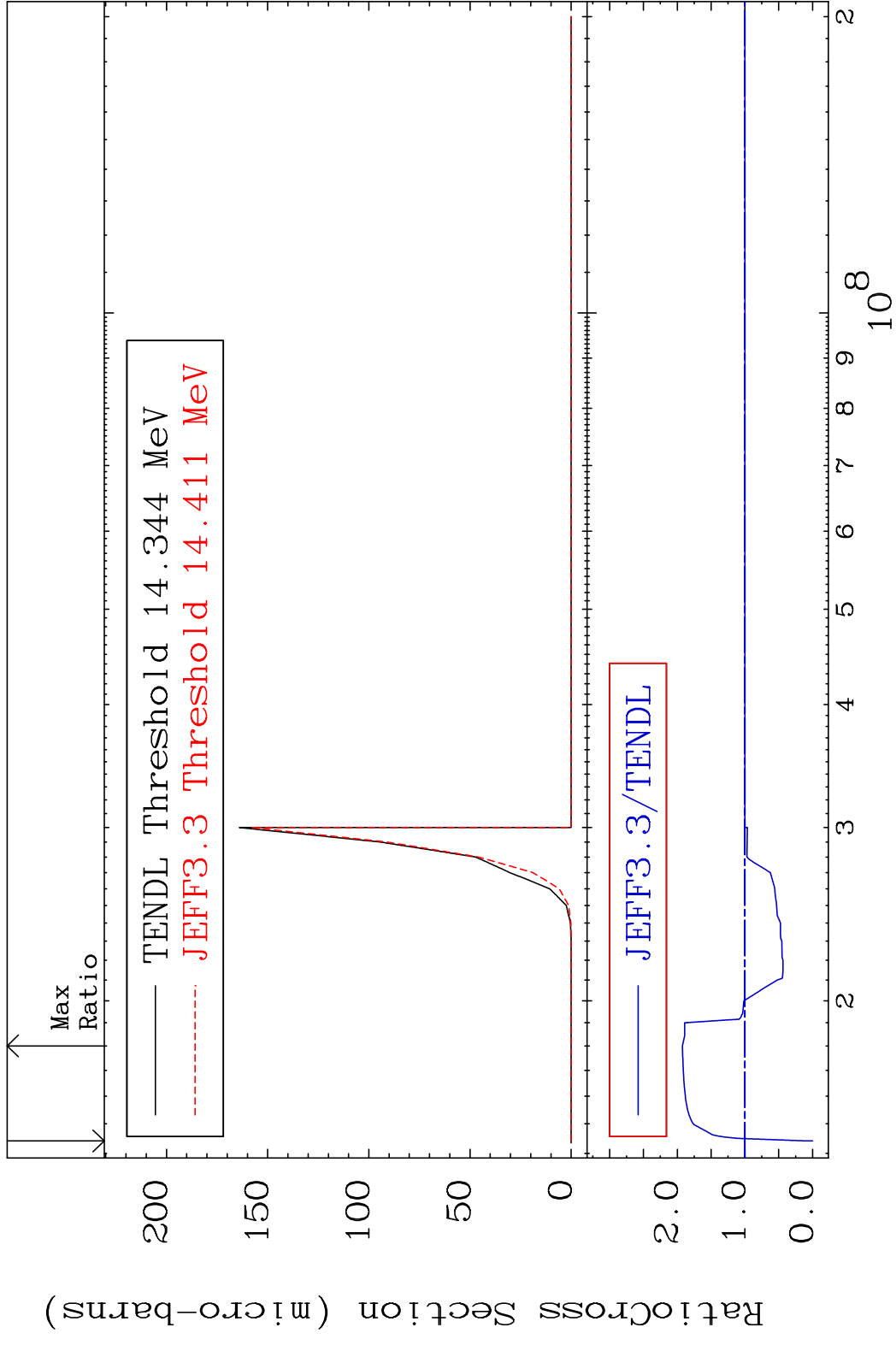
36-Kr-86

MAT 3649

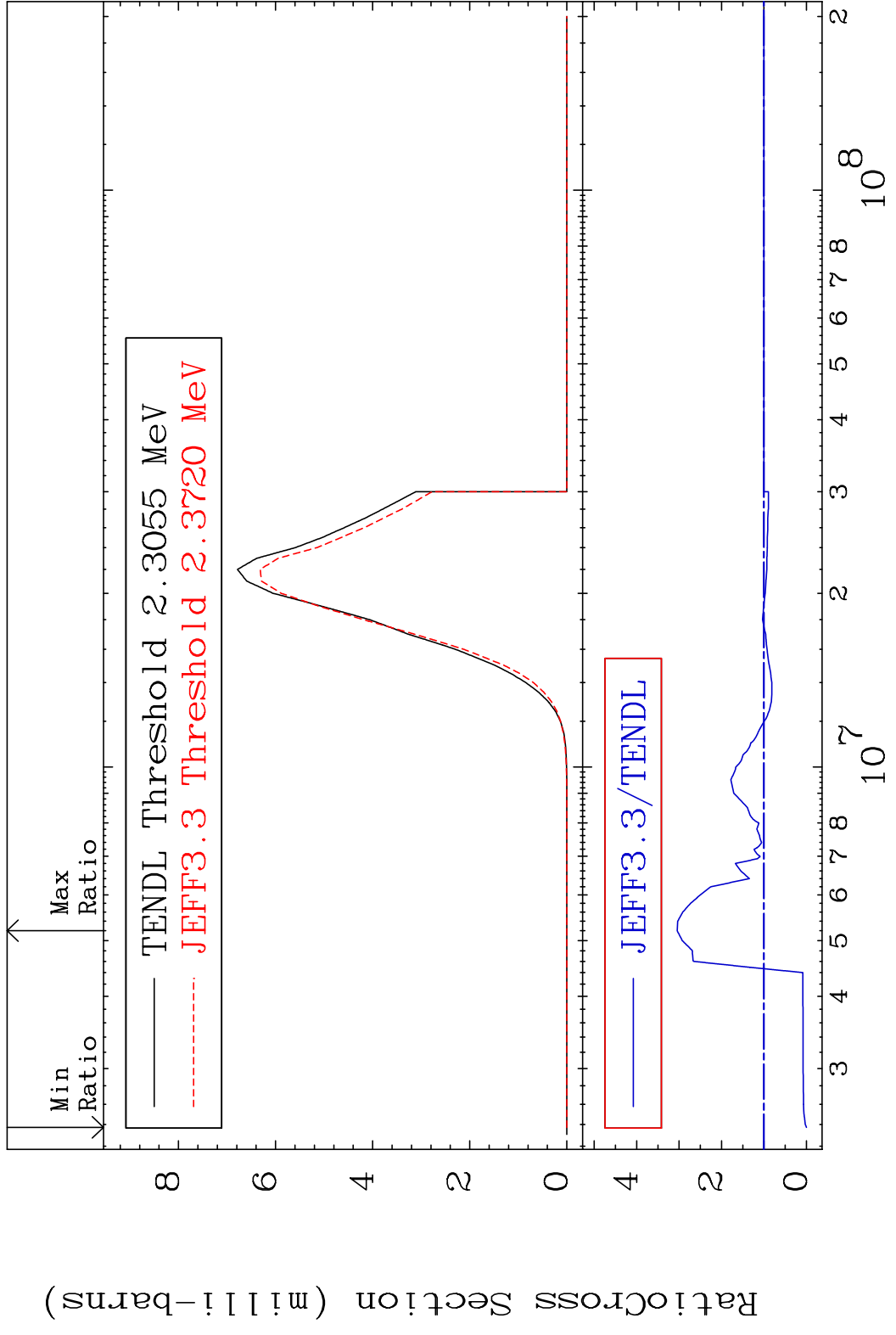
(n, He-3)

36-Kr-86

Cross Section -100.0 To 92.48 %



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

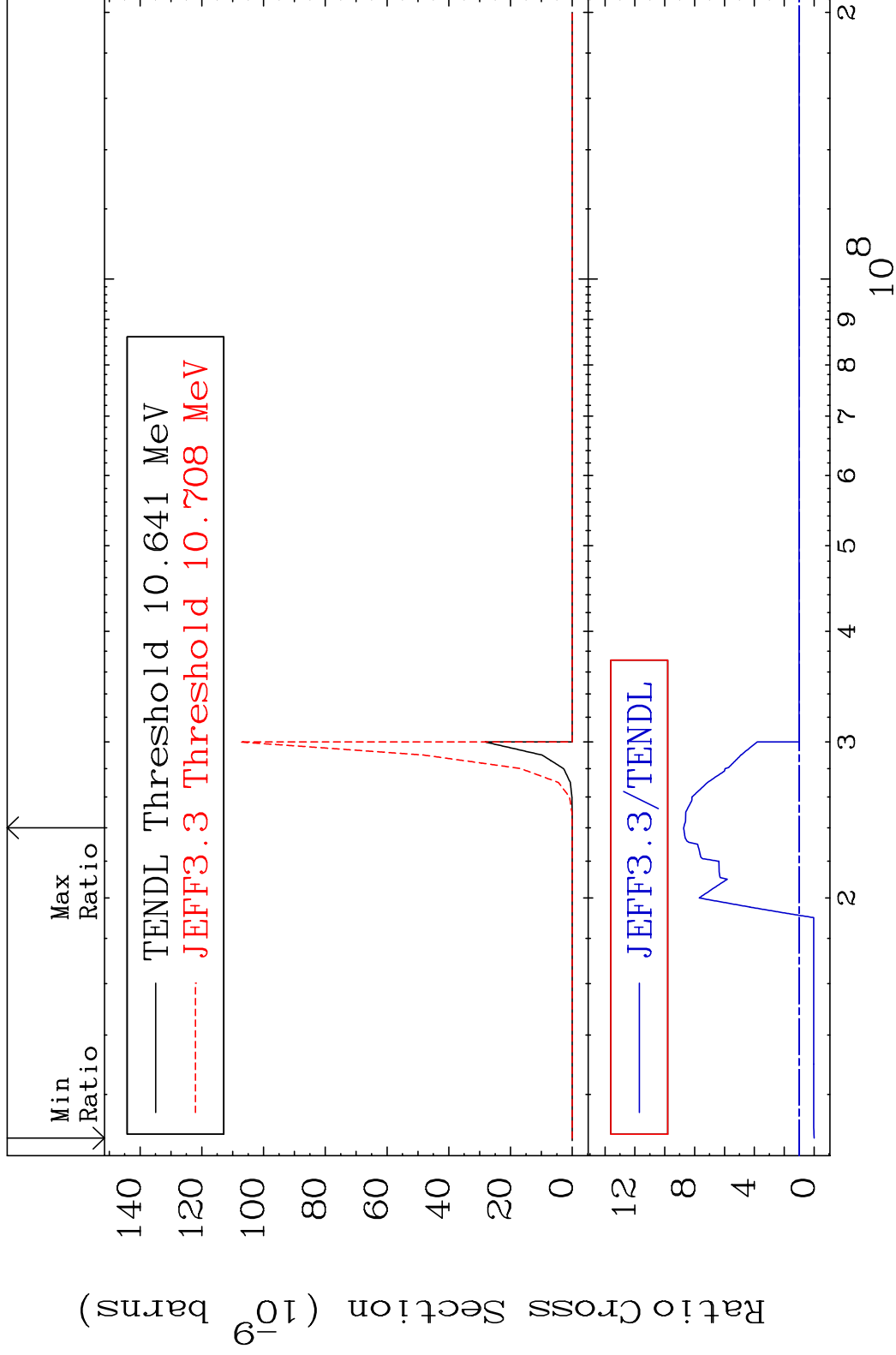


MAT 3649

(n,2α)

36-Kr-86

Cross Section -100.0 To 773.4 %

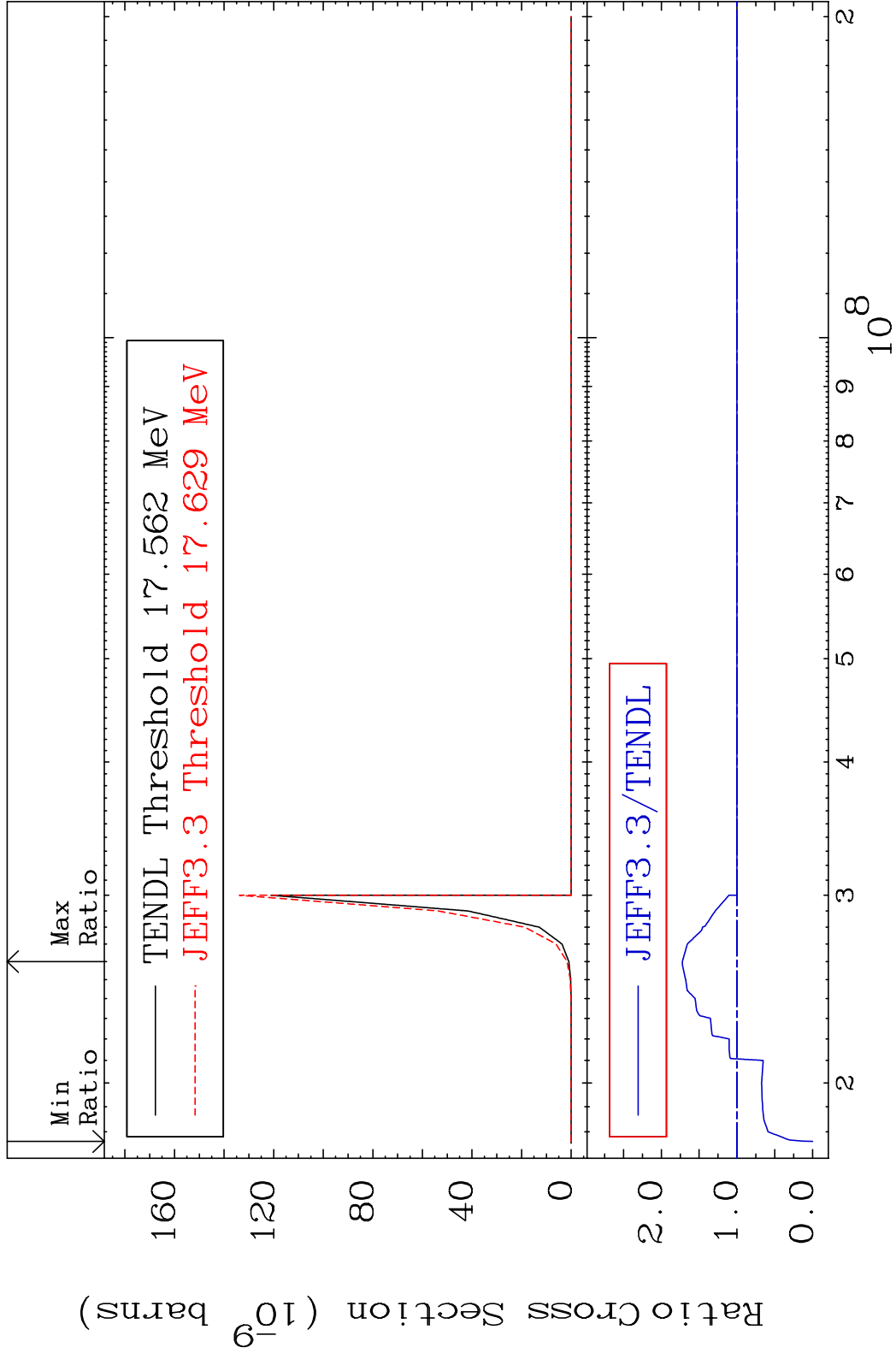


52

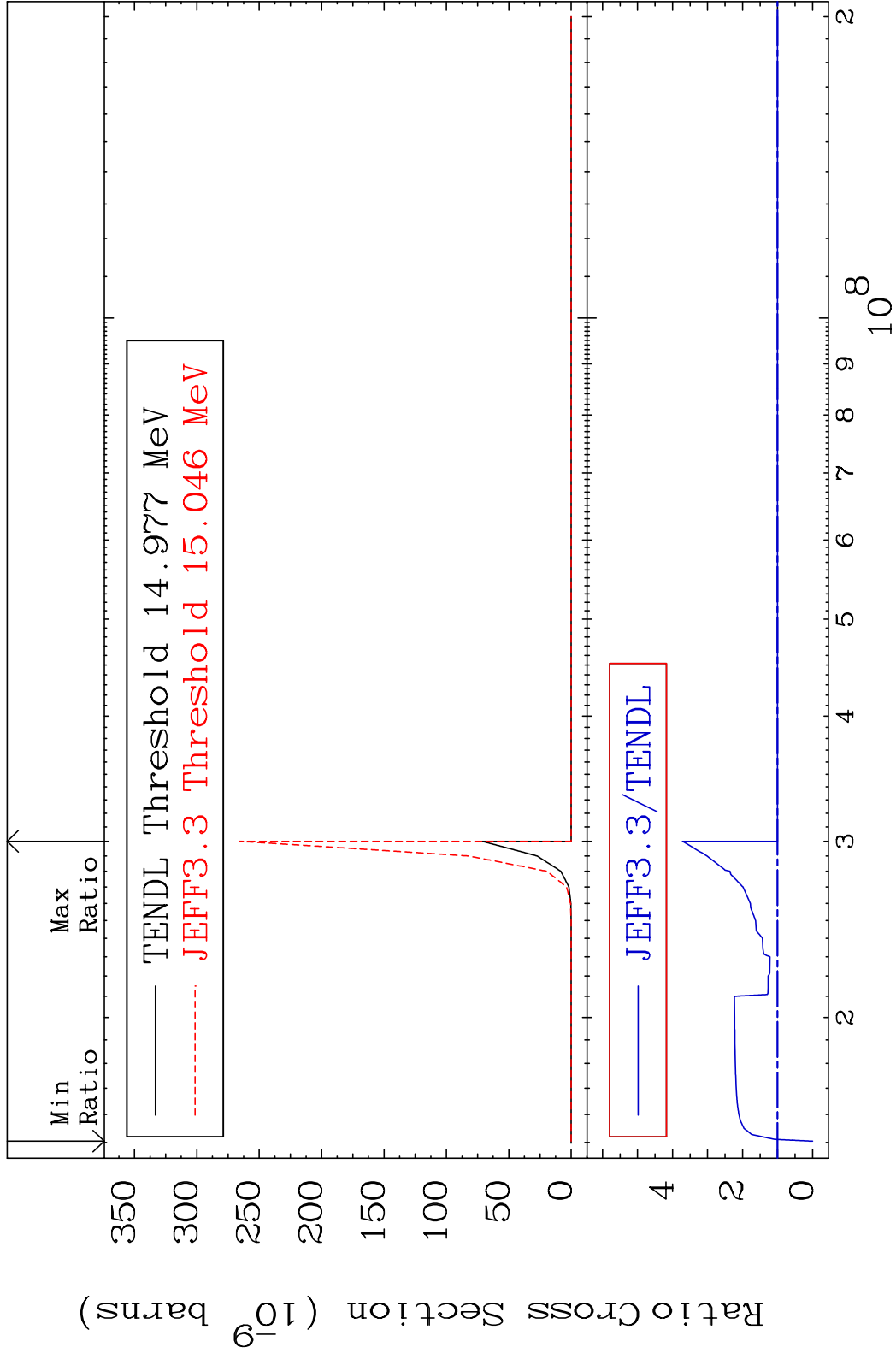
Incident Energy (eV)

36-Kr-86

MAT 3649 (n,2p) 36-Kr-86
 Cross Section -100.0 To 72.19 %



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

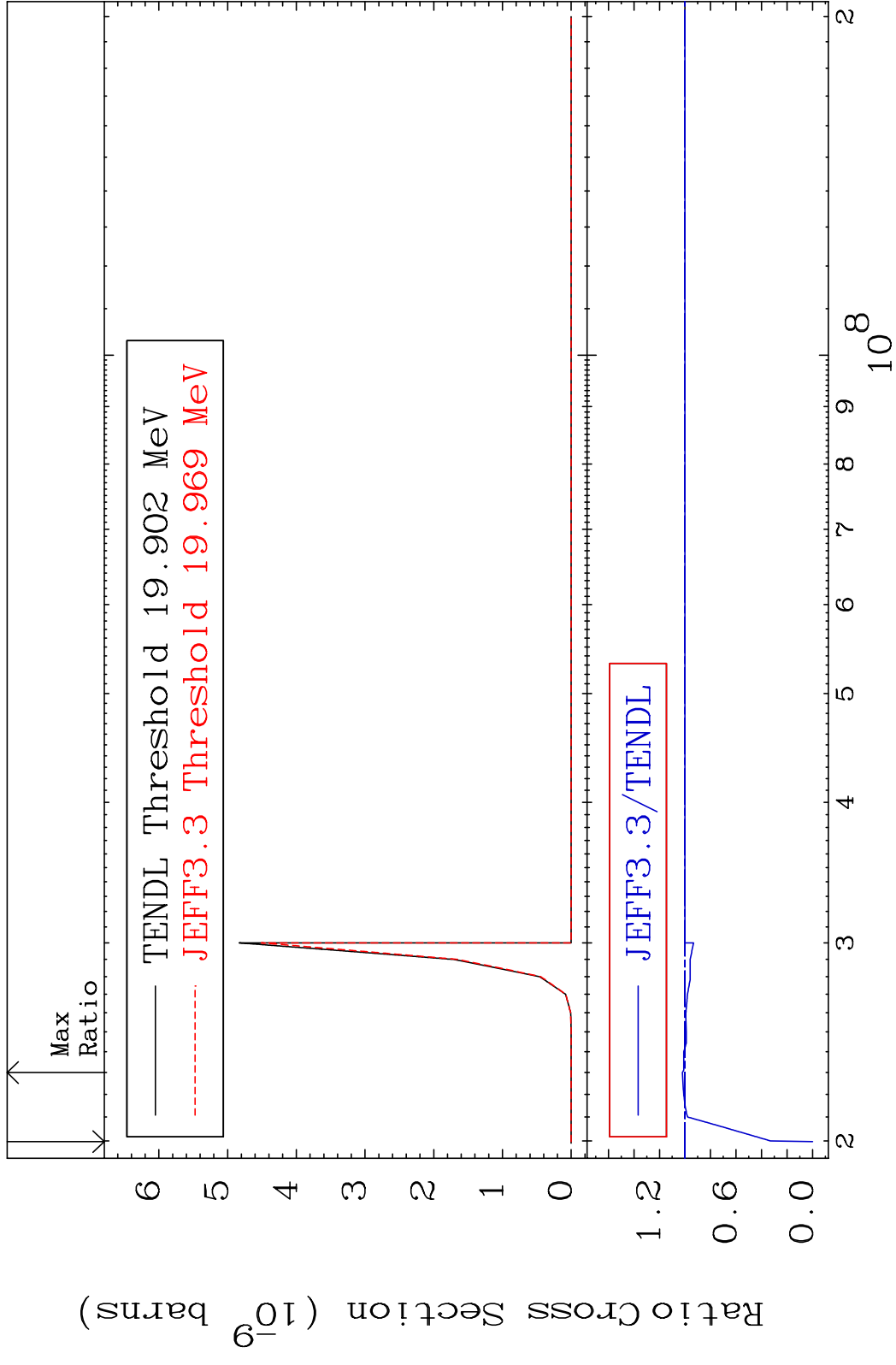


MAT 3649

(n,p) d

36-Kr-86

Cross Section -100.0 To 2.065 %

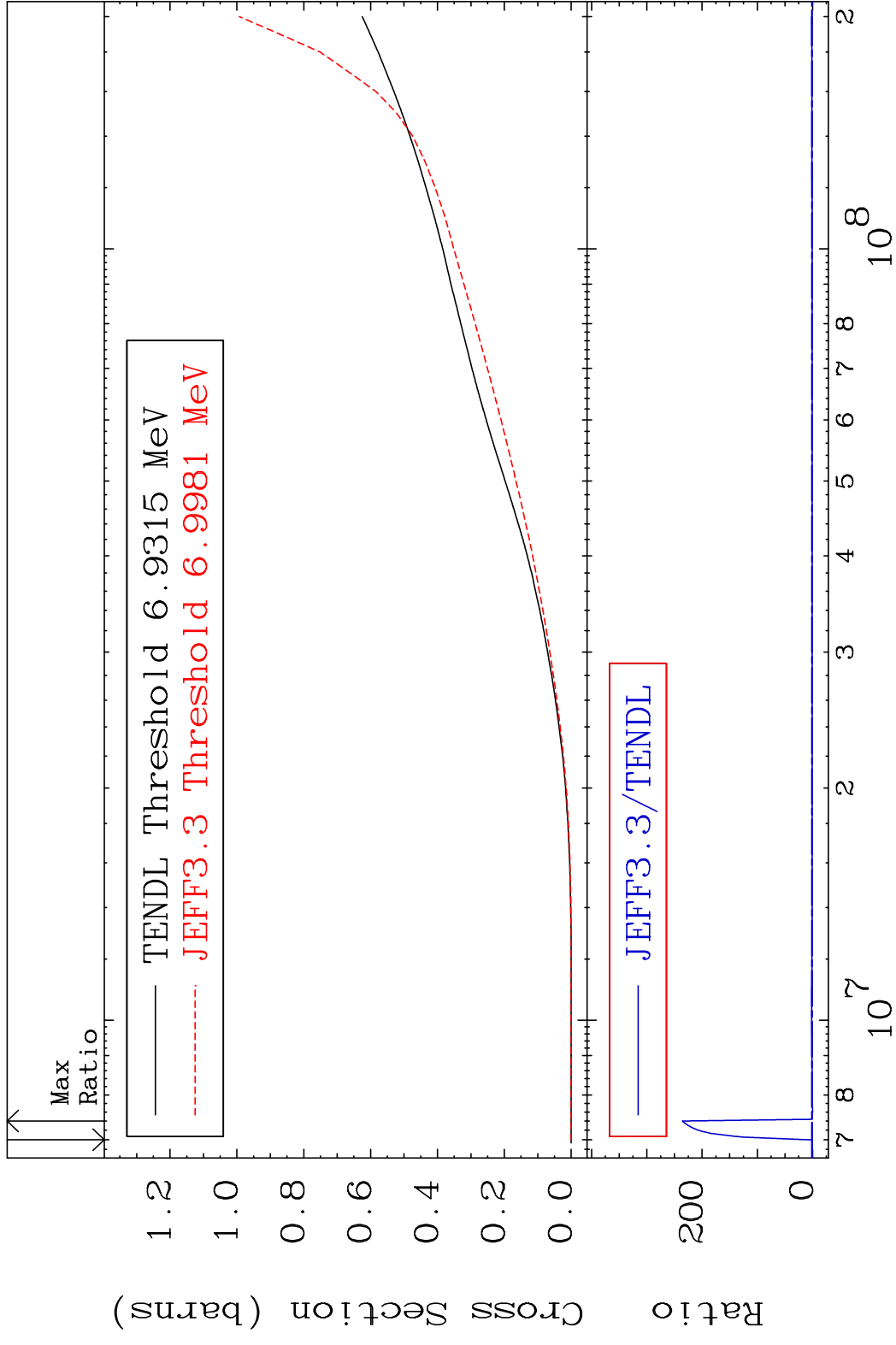


MAT 3649

Hydrogen Production

³⁶Kr-86

Cross Section -100.0 To 9999. %



56

Incident Energy (eV)

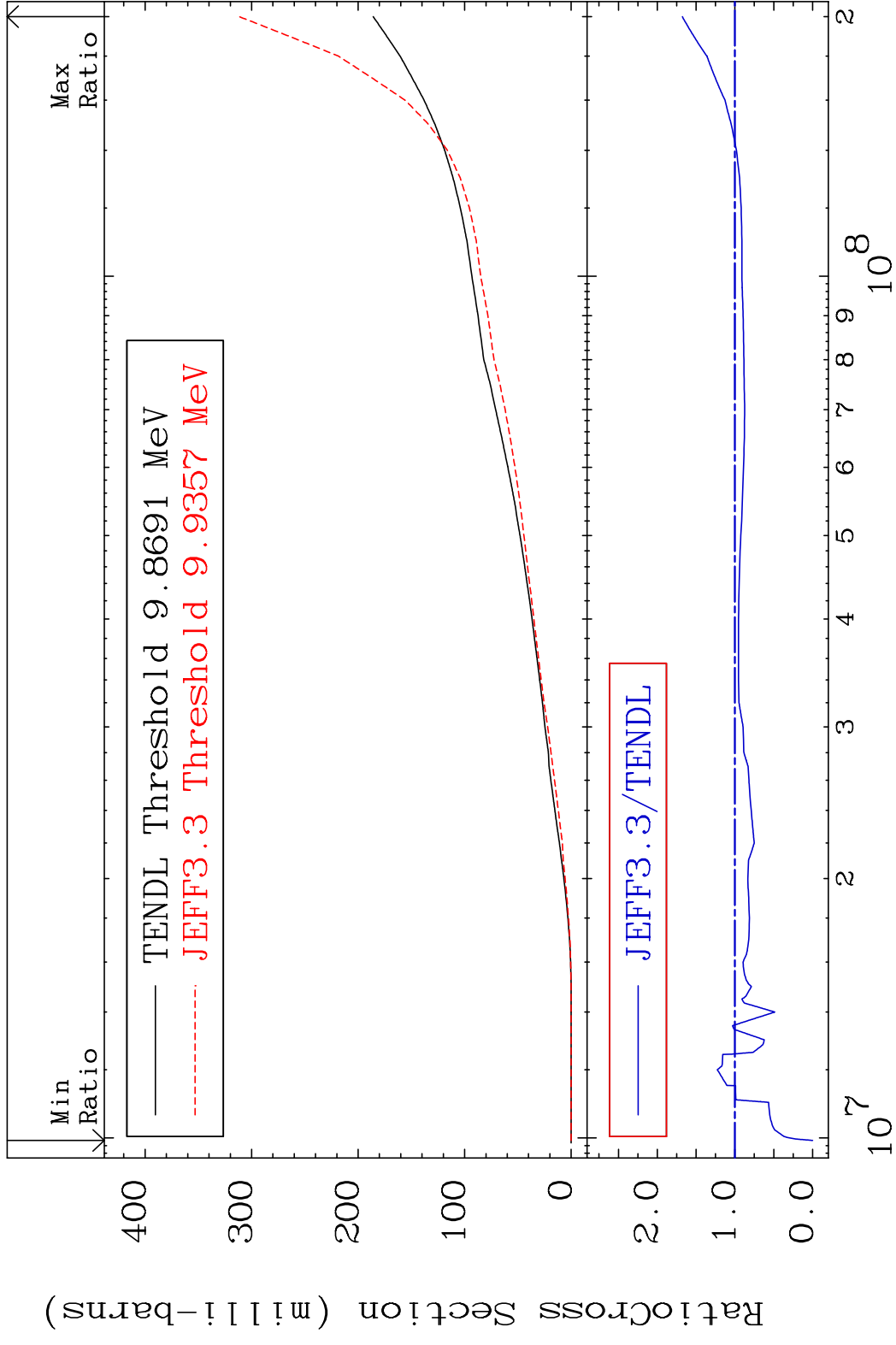
³⁶Kr-86

MAT 3649

Deuterium Production

36-Kr-86

Cross Section -100.0 To 67.68 %



57

Incident Energy (eV)

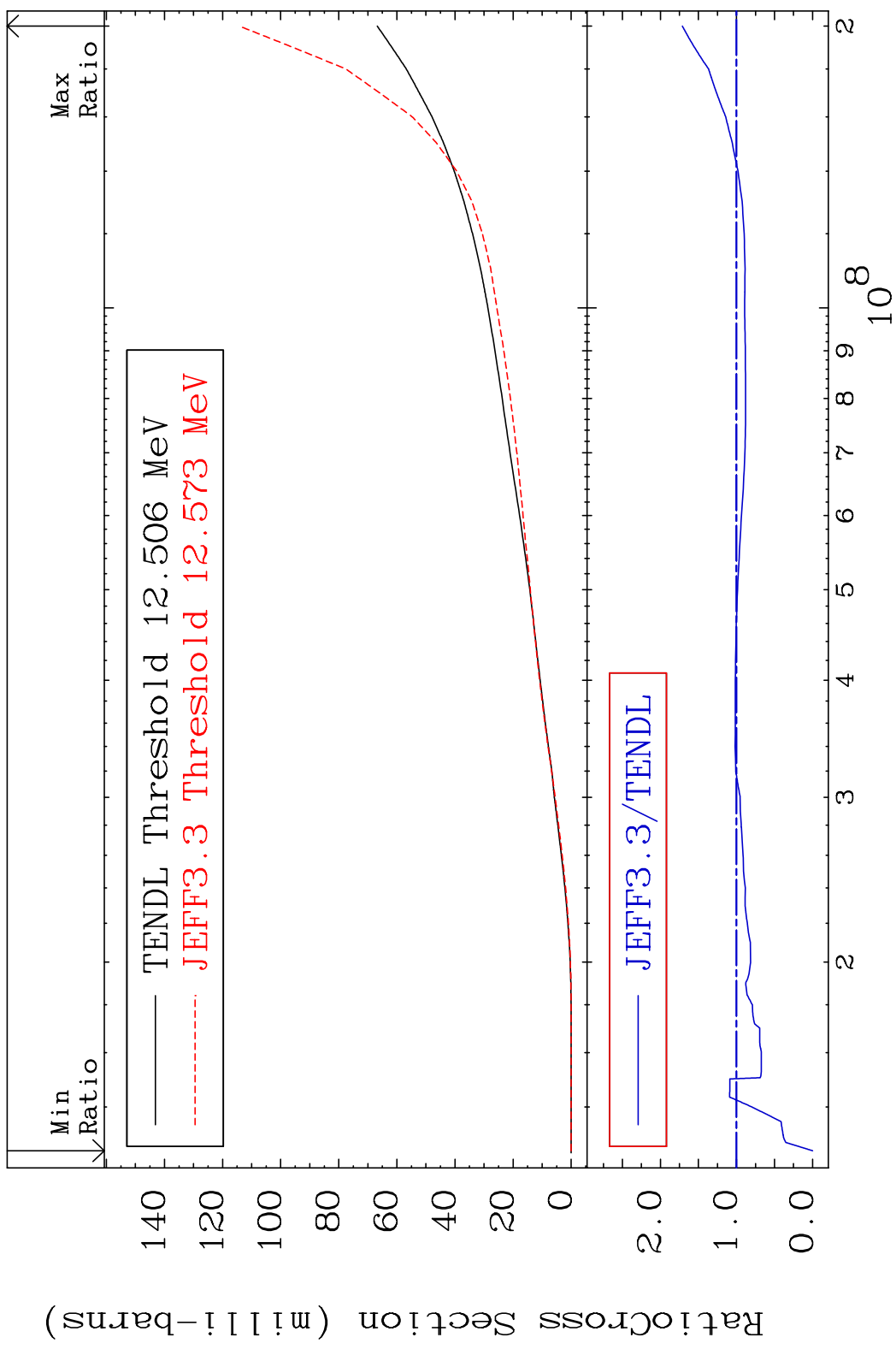
36-Kr-86

MAT 3649

Tritium Production

36-Kr-86

Cross Section -100.0 To 71.17 %

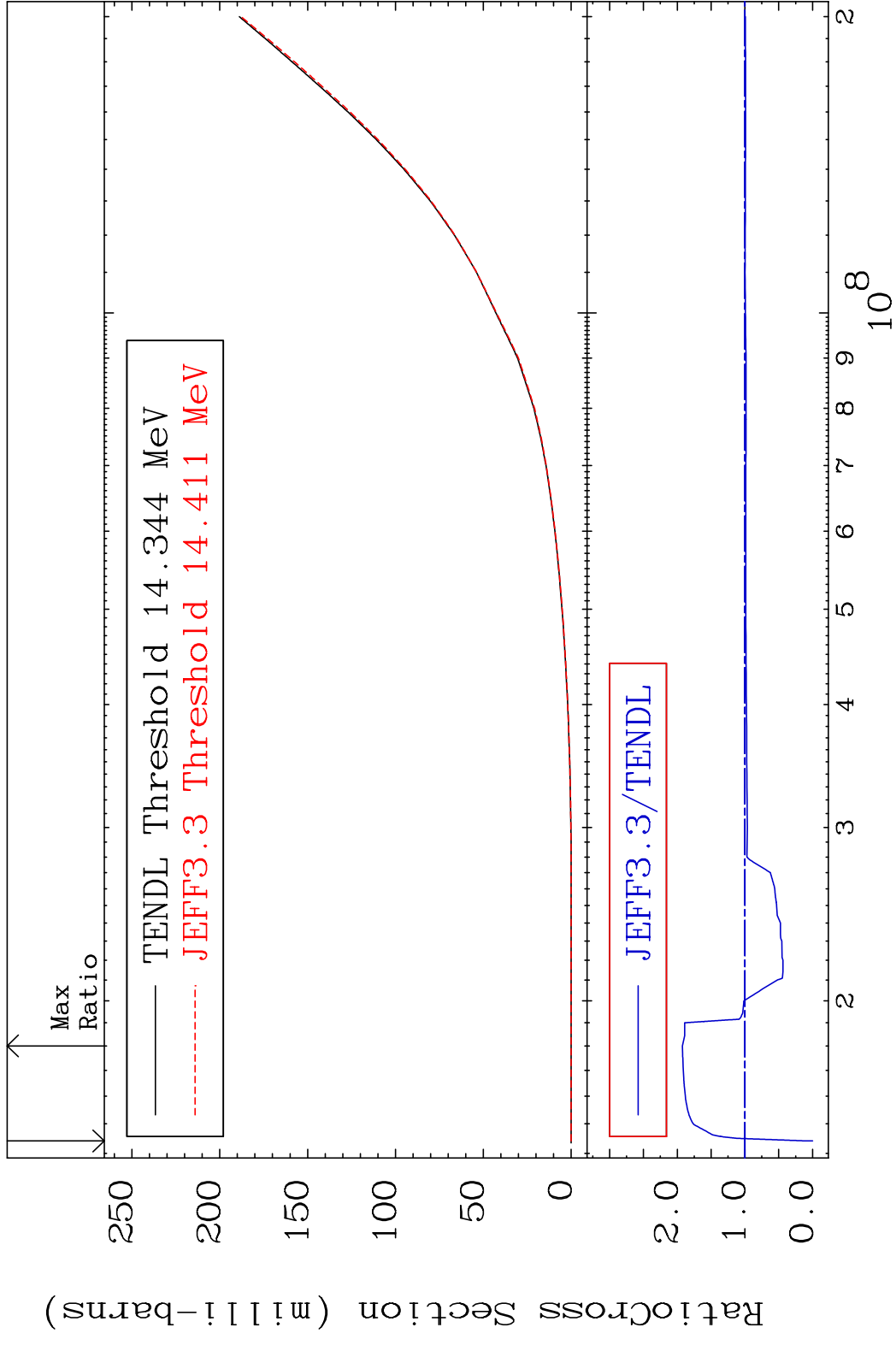


MAT 3649

He-3 Production

36-Kr-86

Cross Section -100.0 To 92.48 %

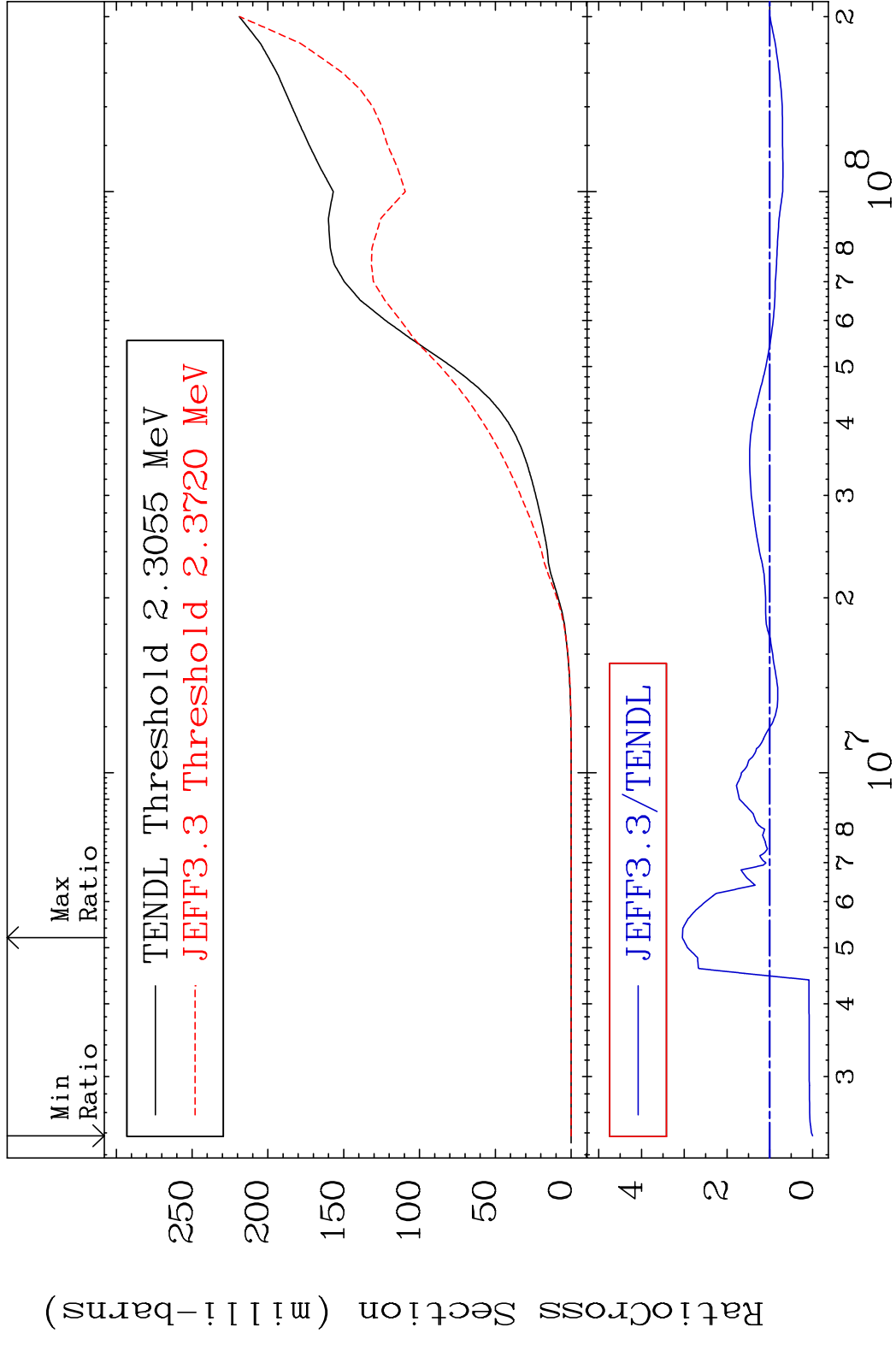


MAT 3649

He-4 Production

36-Kr-86

Cross Section -100.0 To 204.5 %

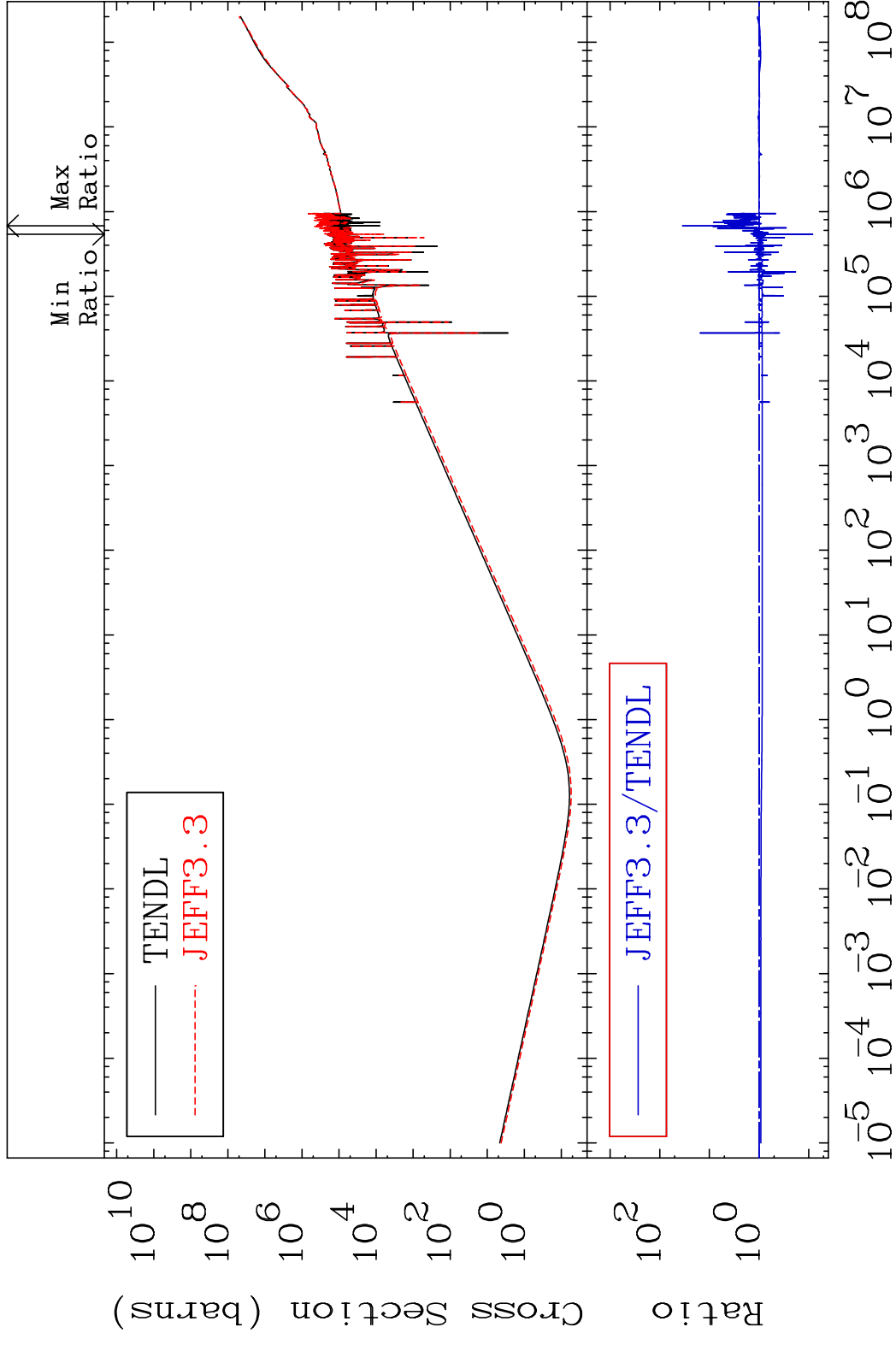


60

Incident Energy (eV)

36-Kr-86

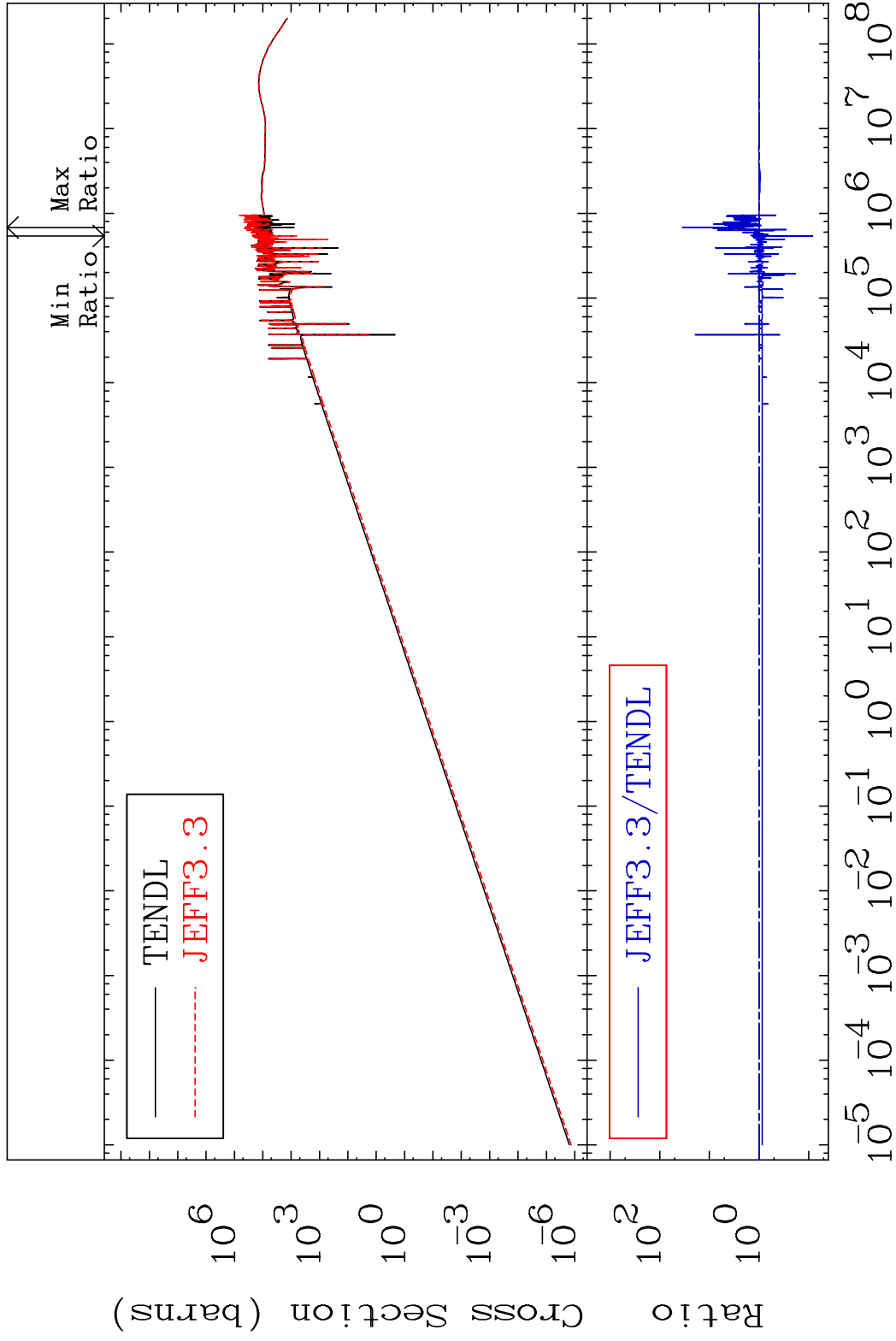
MAT 3649 Kerma total (eV-barns) 36-Kr-86
 Cross Section -91.66 To 3403. %



MAT 3649

Kerma elastic
Cross Section

36-Kr-86
-91.66 To 3403. %

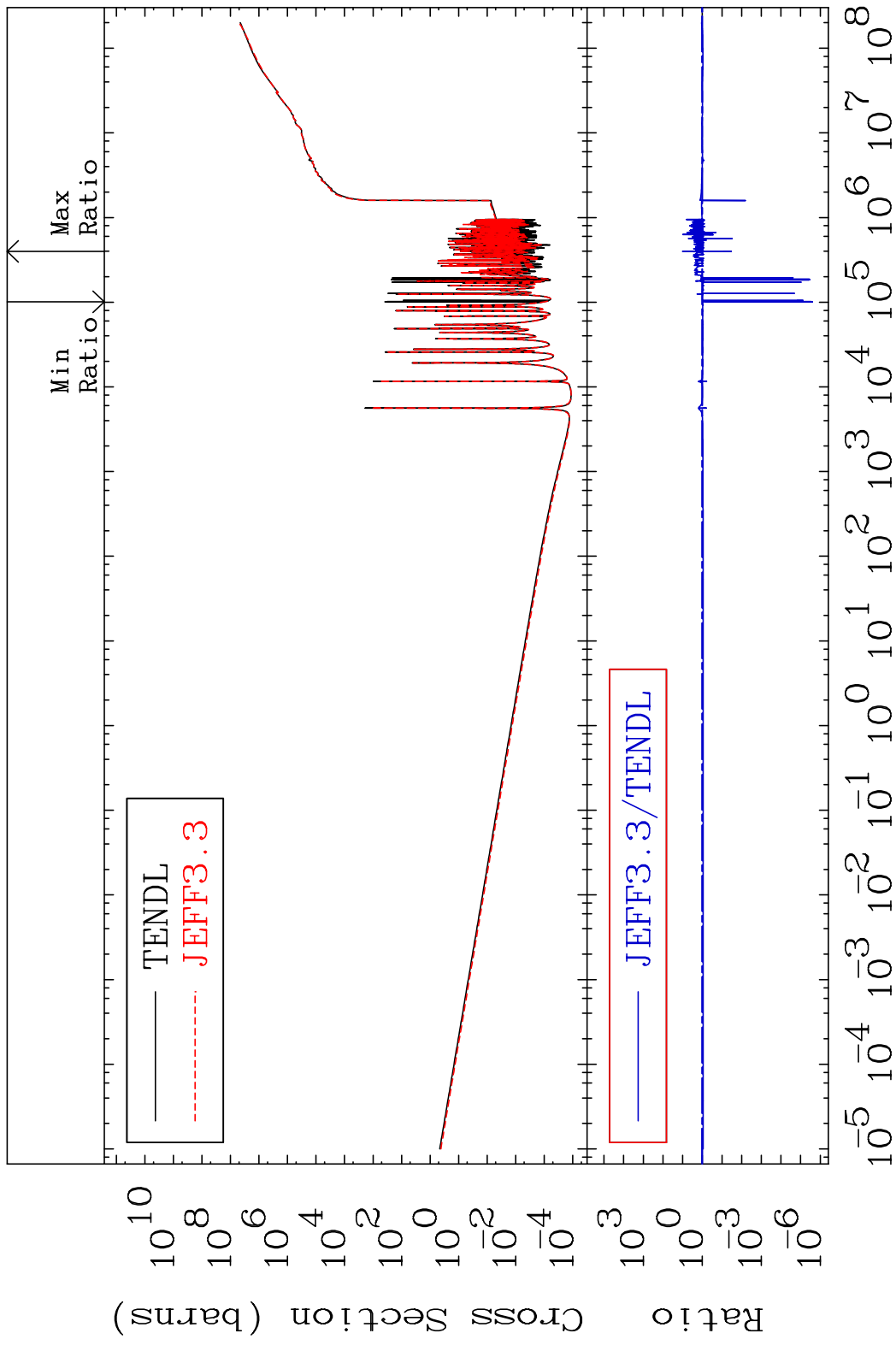


62

Incident Energy (eV)

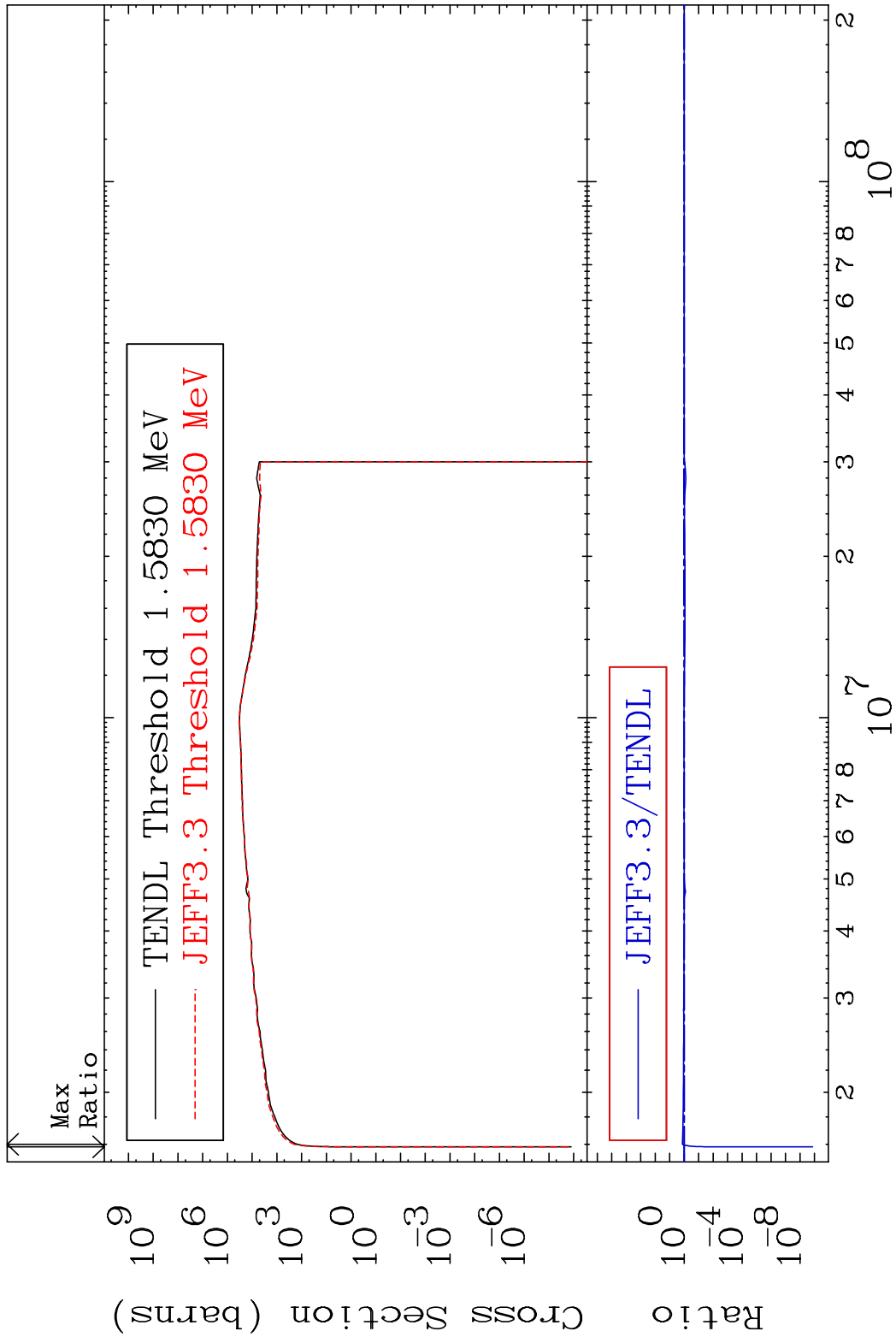
36-Kr-86

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

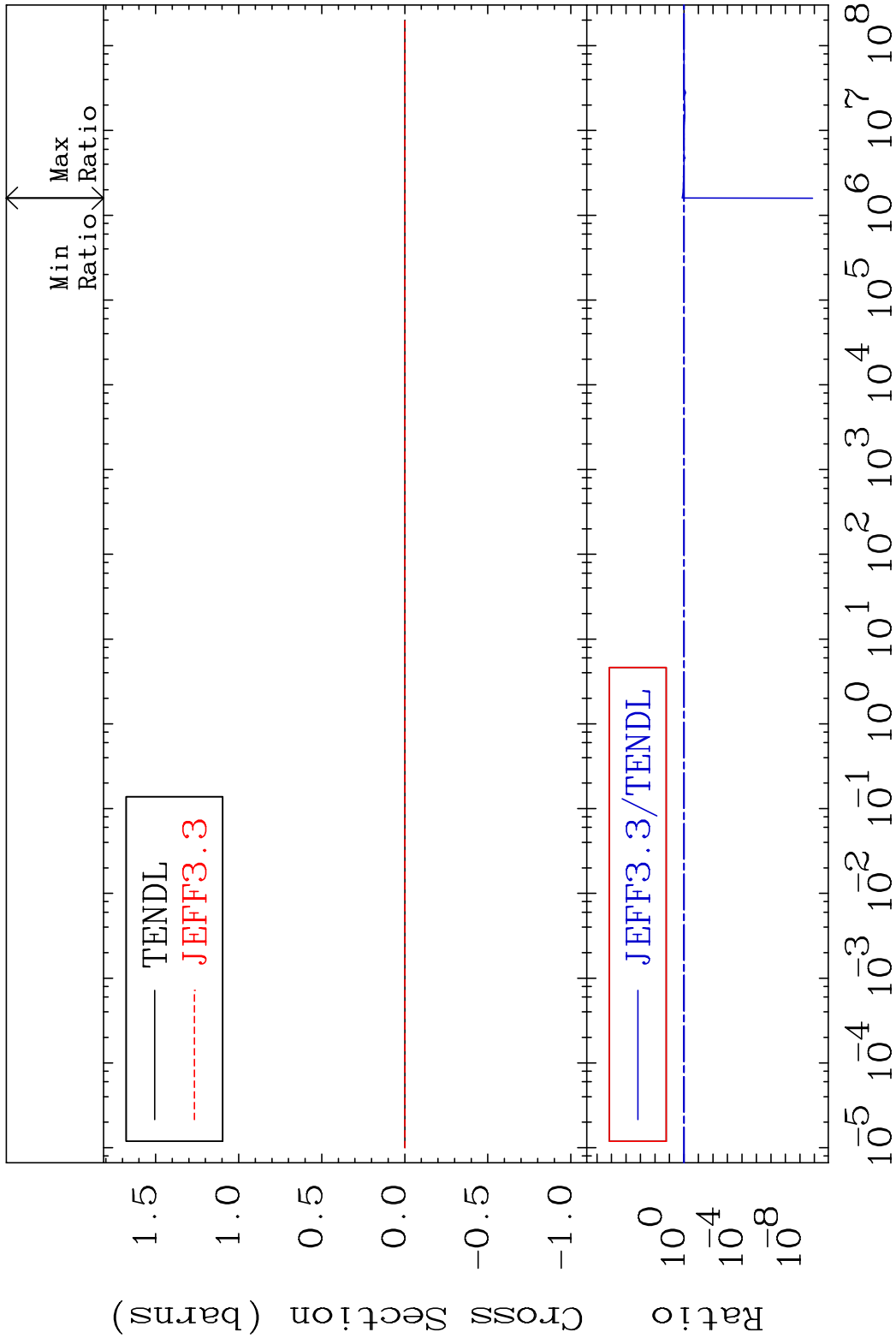


63 Incident Energy (eV) 36-Kr-86

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

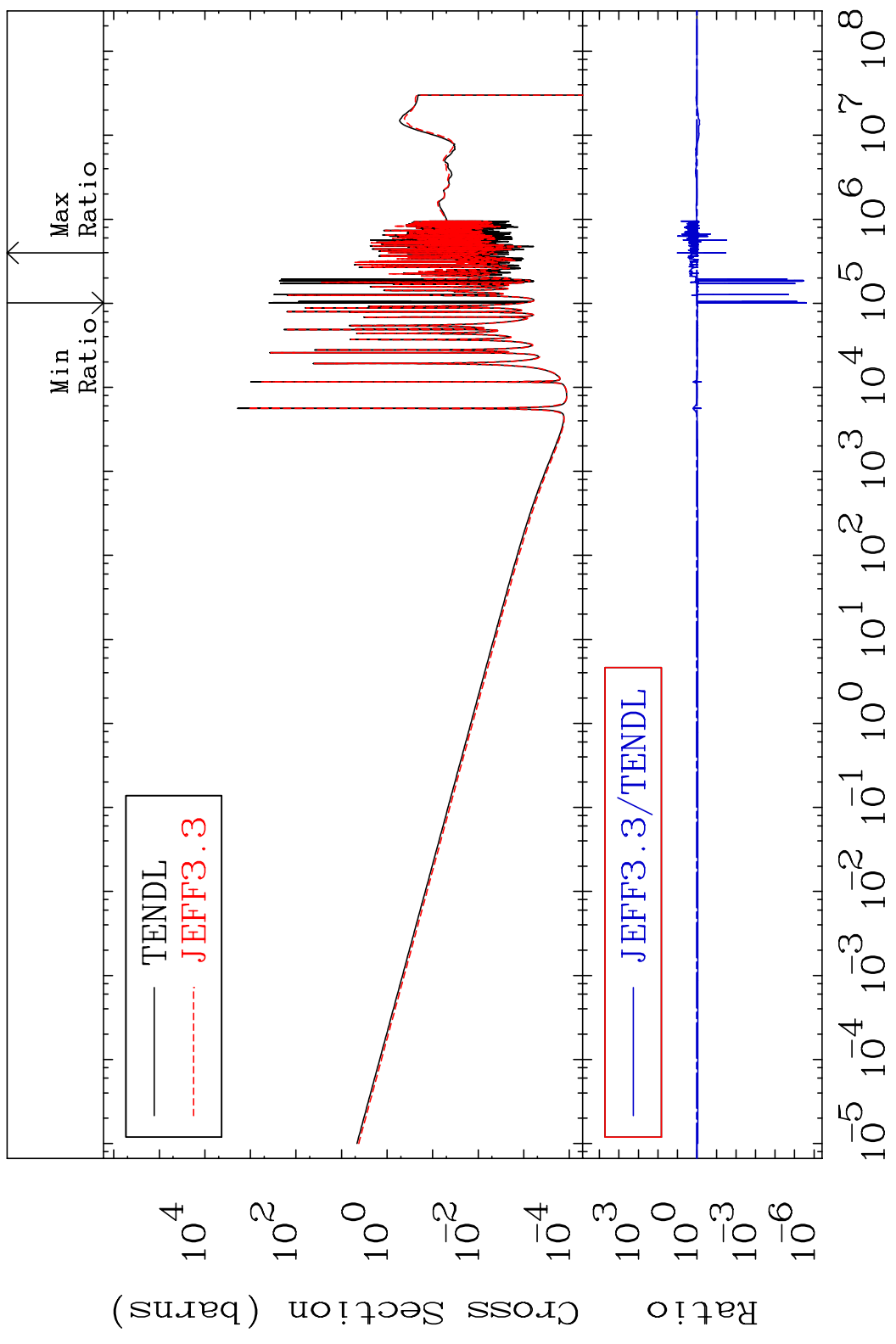


MAT 3649 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-86
 Cross Section -100.0 To 32.90 %



MAT 3649

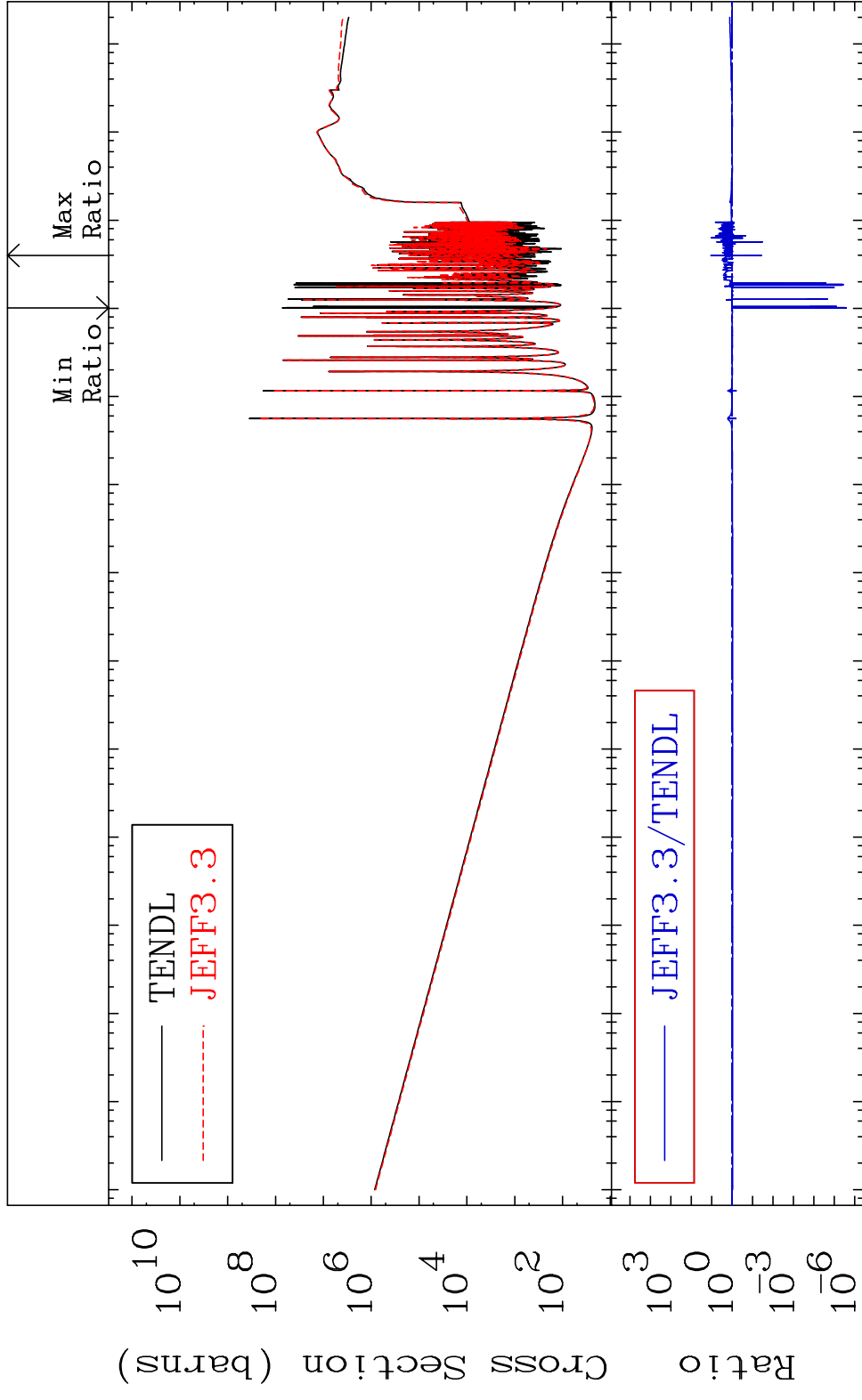
Kerma capture (mt102) 36-Kr-86
Cross Section -100.0 To 934.4 %



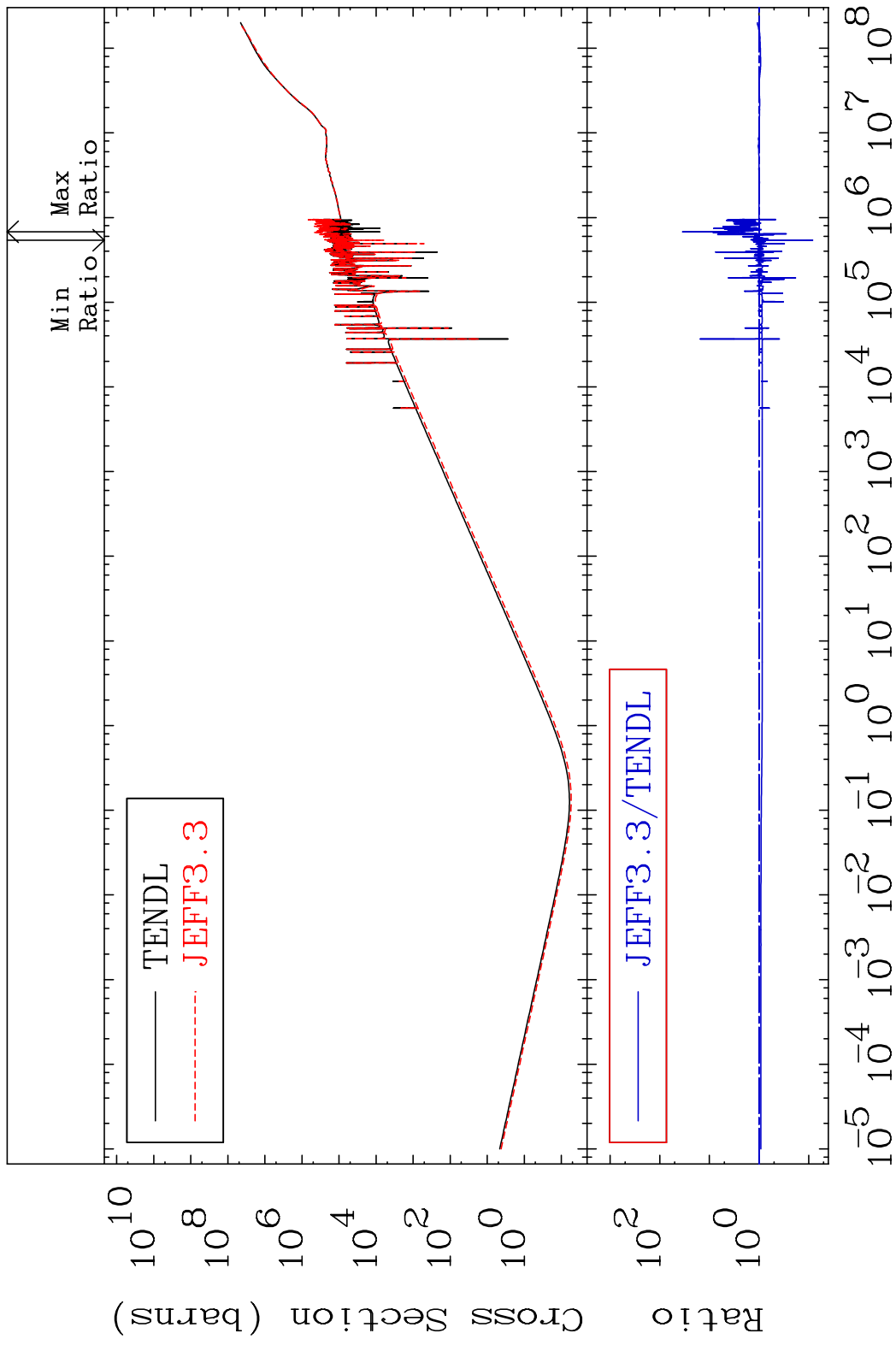
66

Incident Energy (eV) 36-Kr-86

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



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

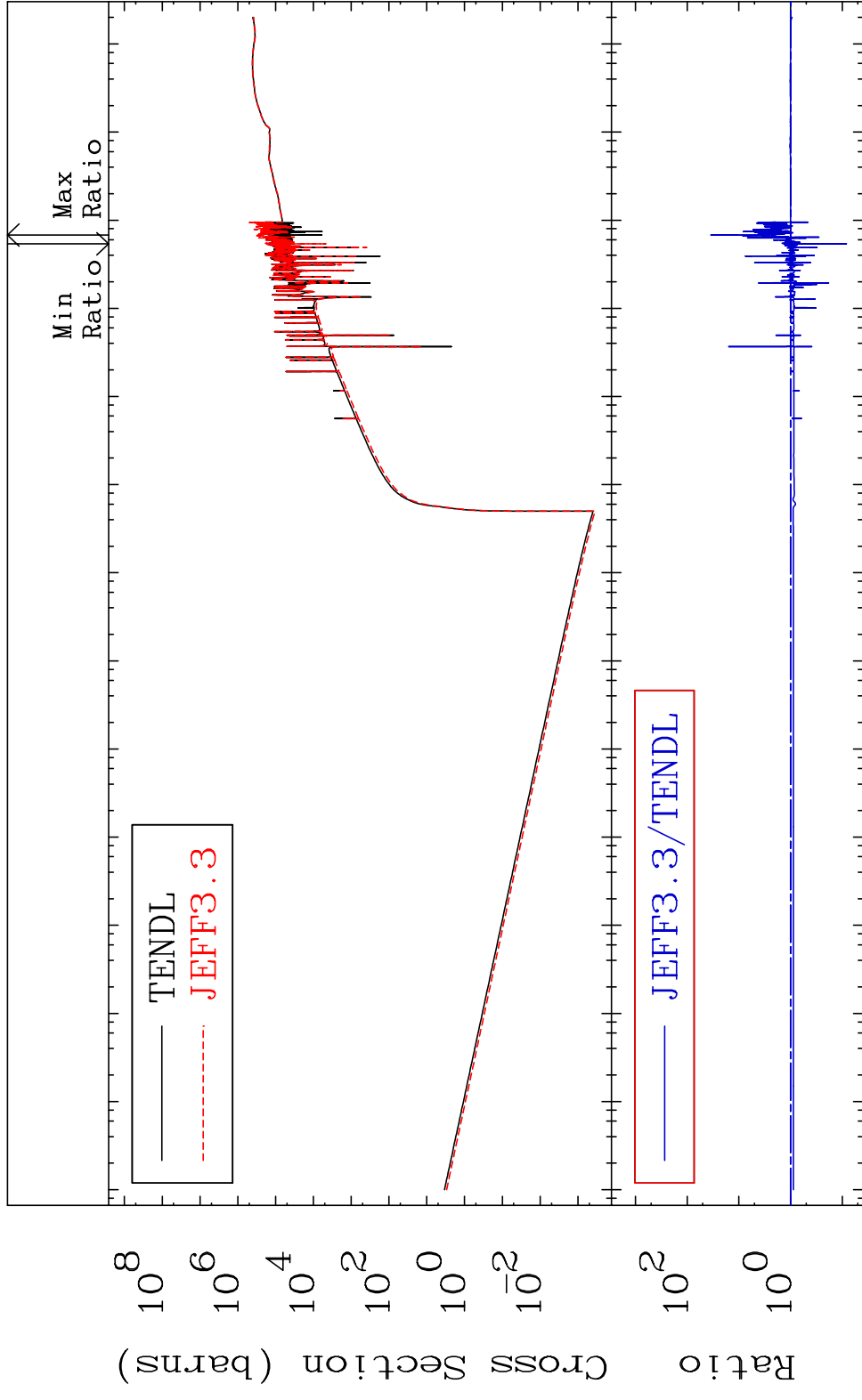


MAT 3649

Dpa total (eV-barns)

36-Kr-86

Cross Section -91.66 To 3403. %



69

Incident Energy (eV)

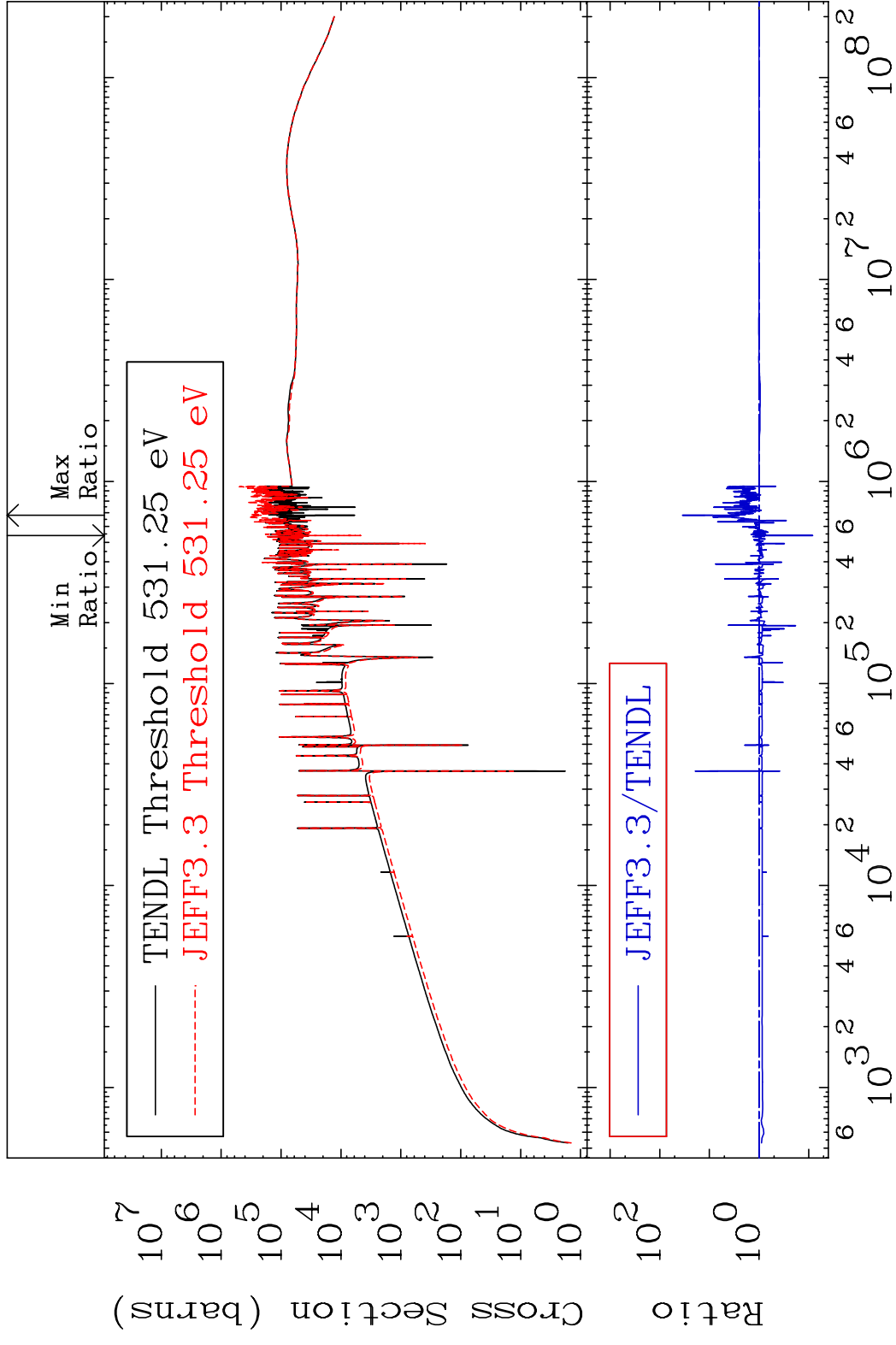
36-Kr-86

MAT 3649

Dpa elastic (mt2)

36-Kr-86

Cross Section -91.66 To 3403. %

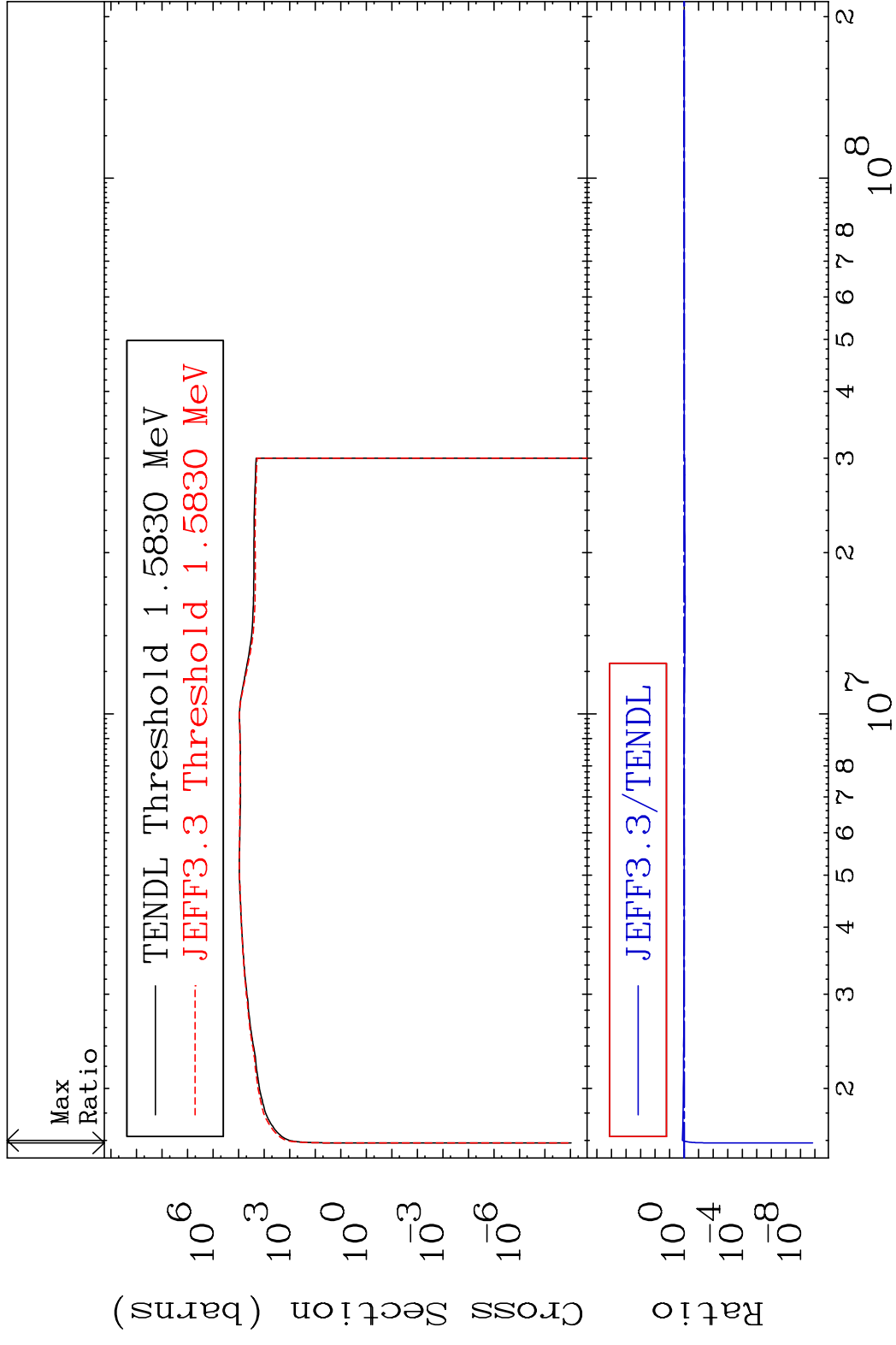


70

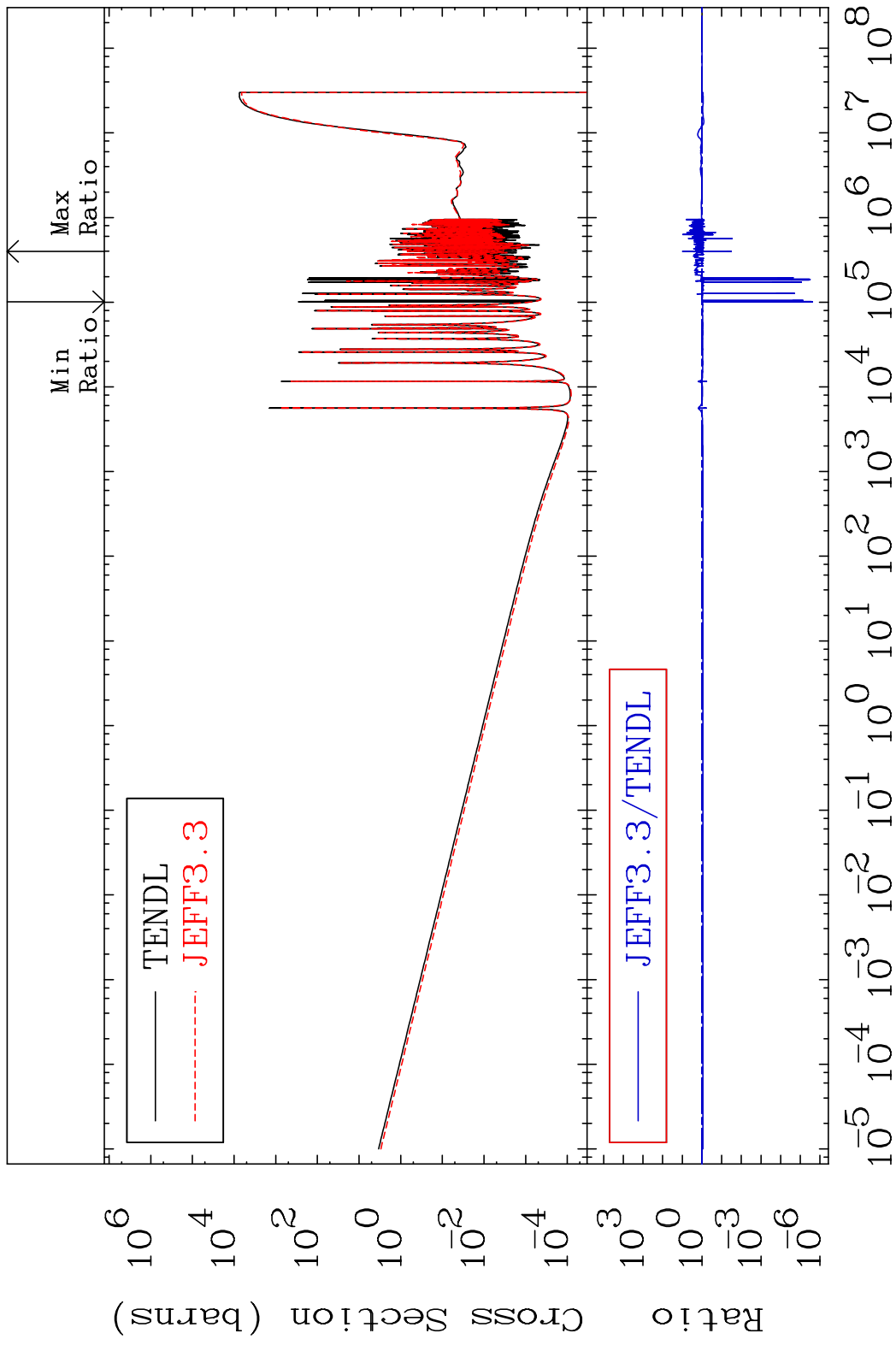
Incident Energy (eV)

36-Kr-86

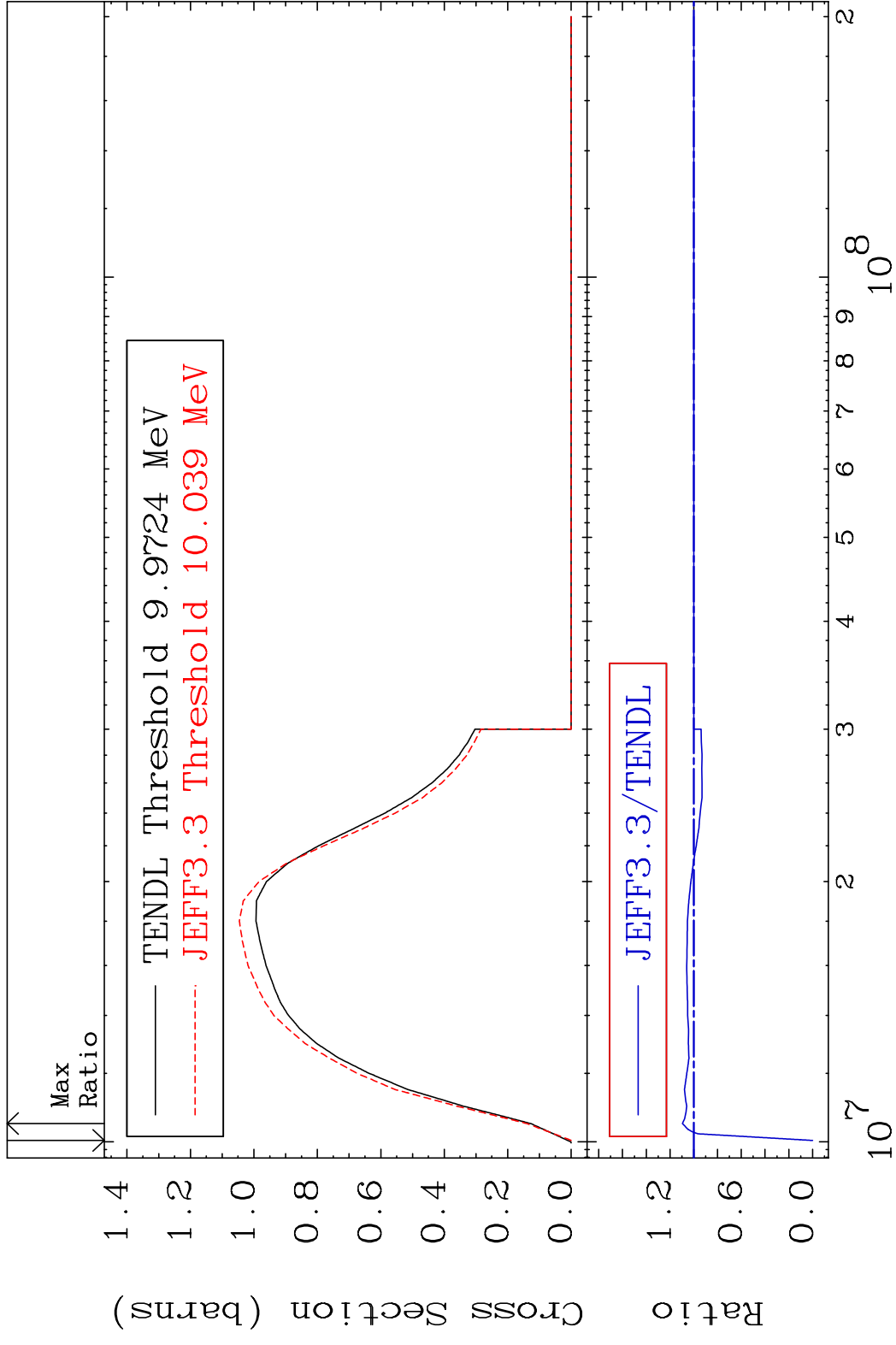
MAT 3649 Dpa inelastic (mt51-91) 36-Kr-86
 Cross Section -100.0 To 32.96 %



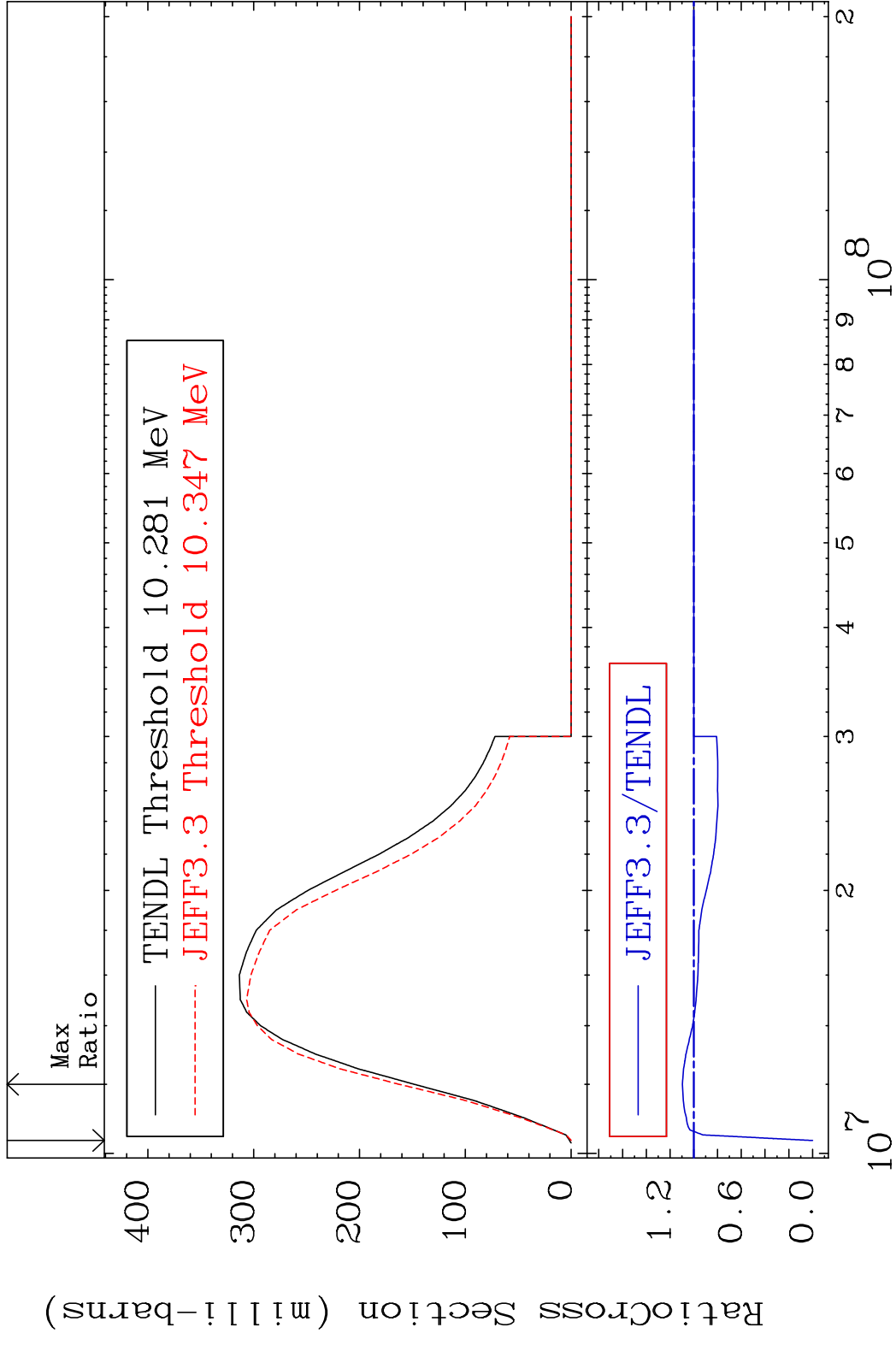
MAT 3649 Dpa disappearance (mt102 -120) 36-Kr-86
 Cross Section -100.0 To 891.0 %



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

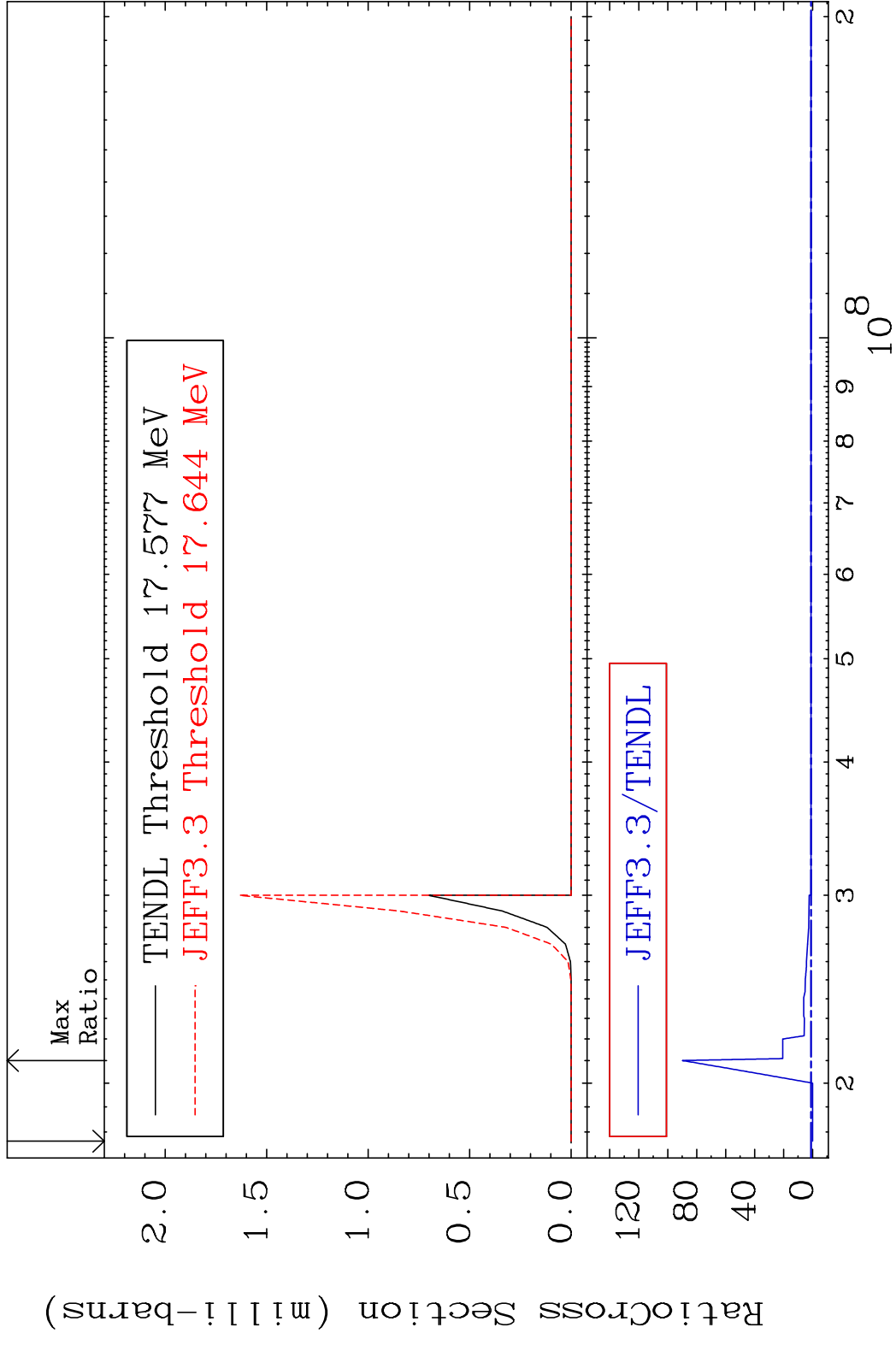


MAT 3649 (n,2n):36-Kr-85m1 36-Kr-86
 Radionuclide Production Cross Section Ratio 9.639 %

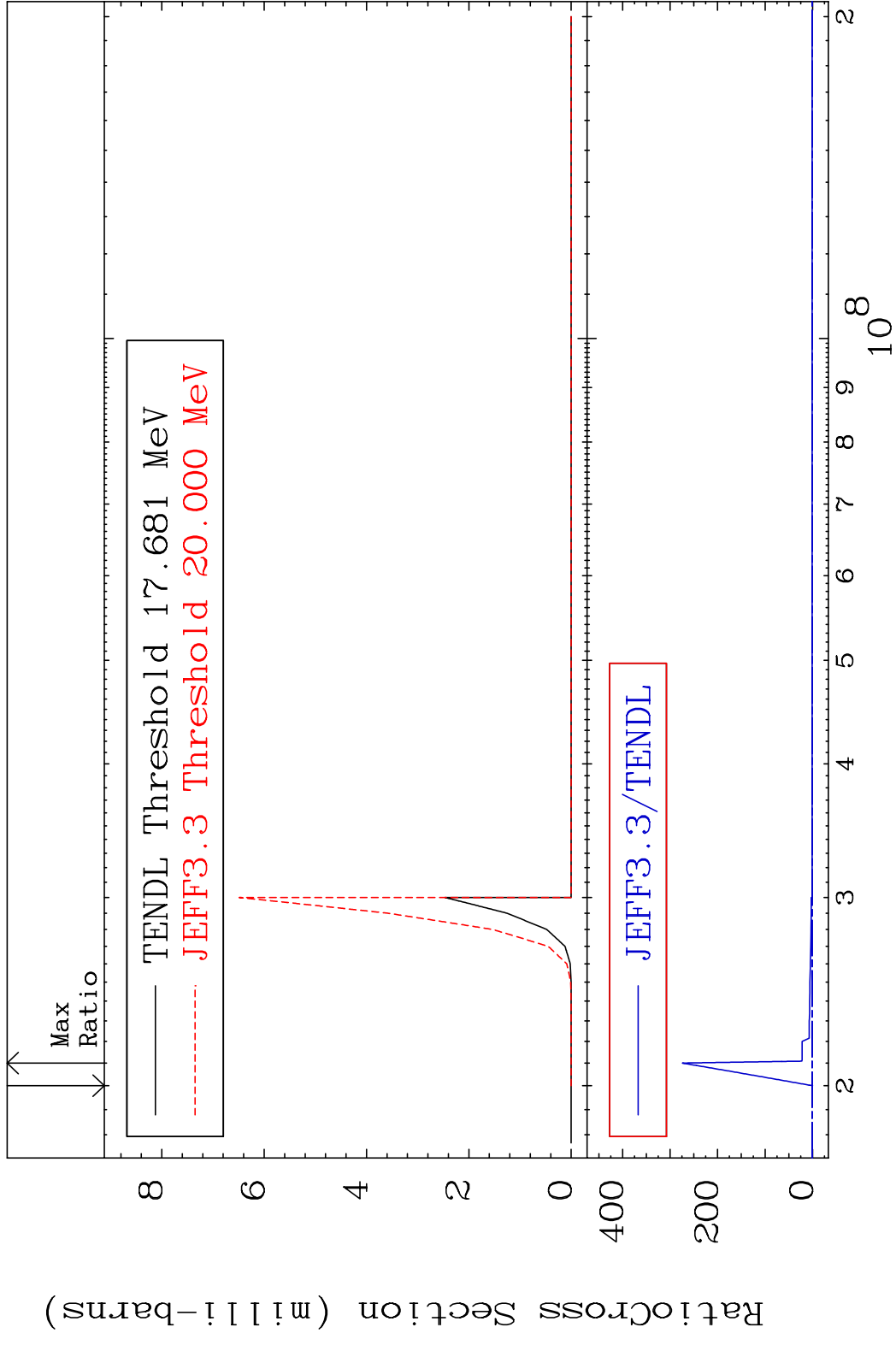


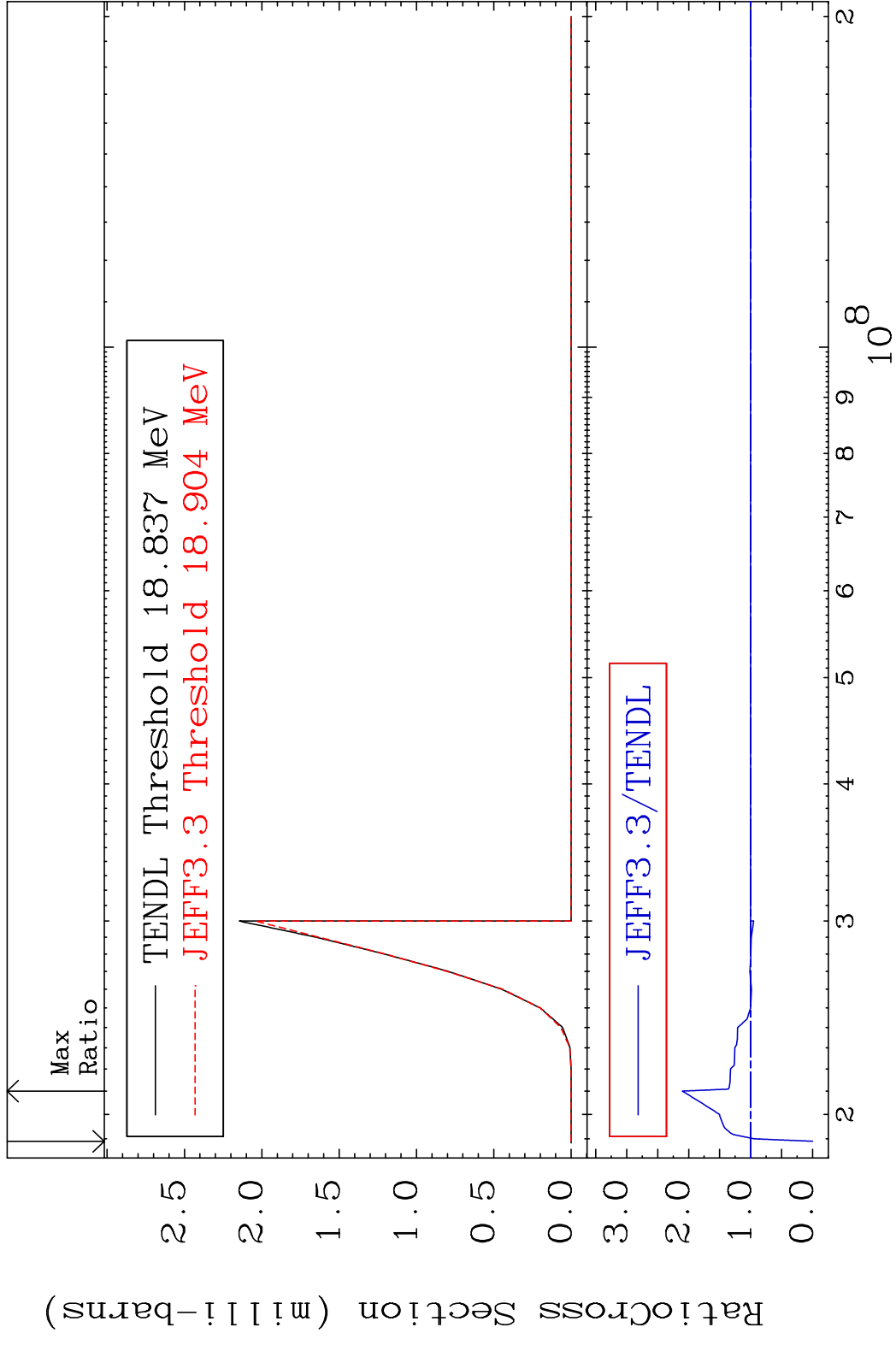
74 Incident Energy (eV) 36-Kr-86

MAT 3649 (n,2n) α :34-Se-81g 36-Kr-86
 Radionuclide Production Cross Section 1800 d to 8888. %

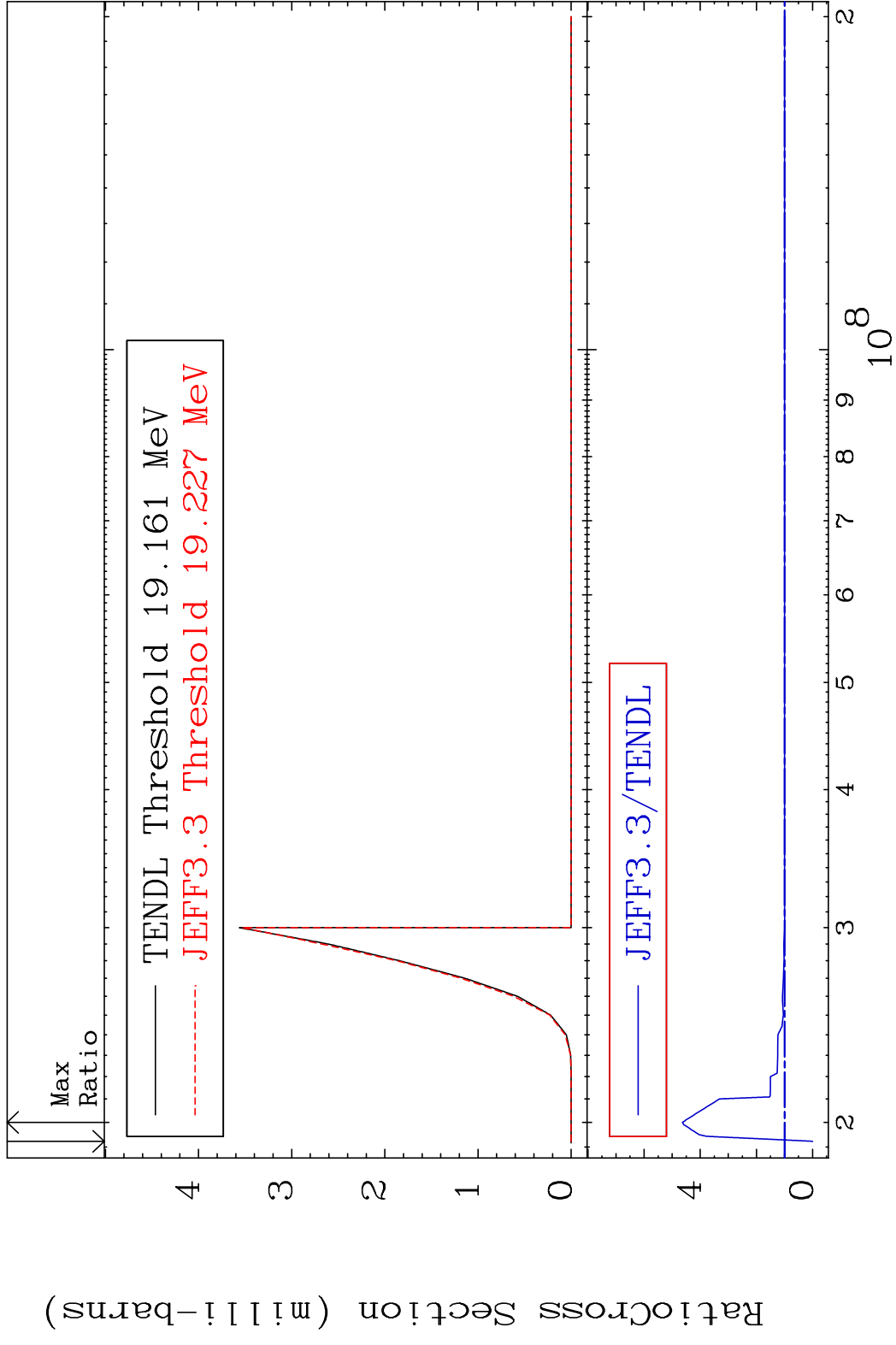


MAT 3649 (n,2n) α :34-Se-81m1 36-Kr-86
 Radionuclide Production Cross Section Ratio

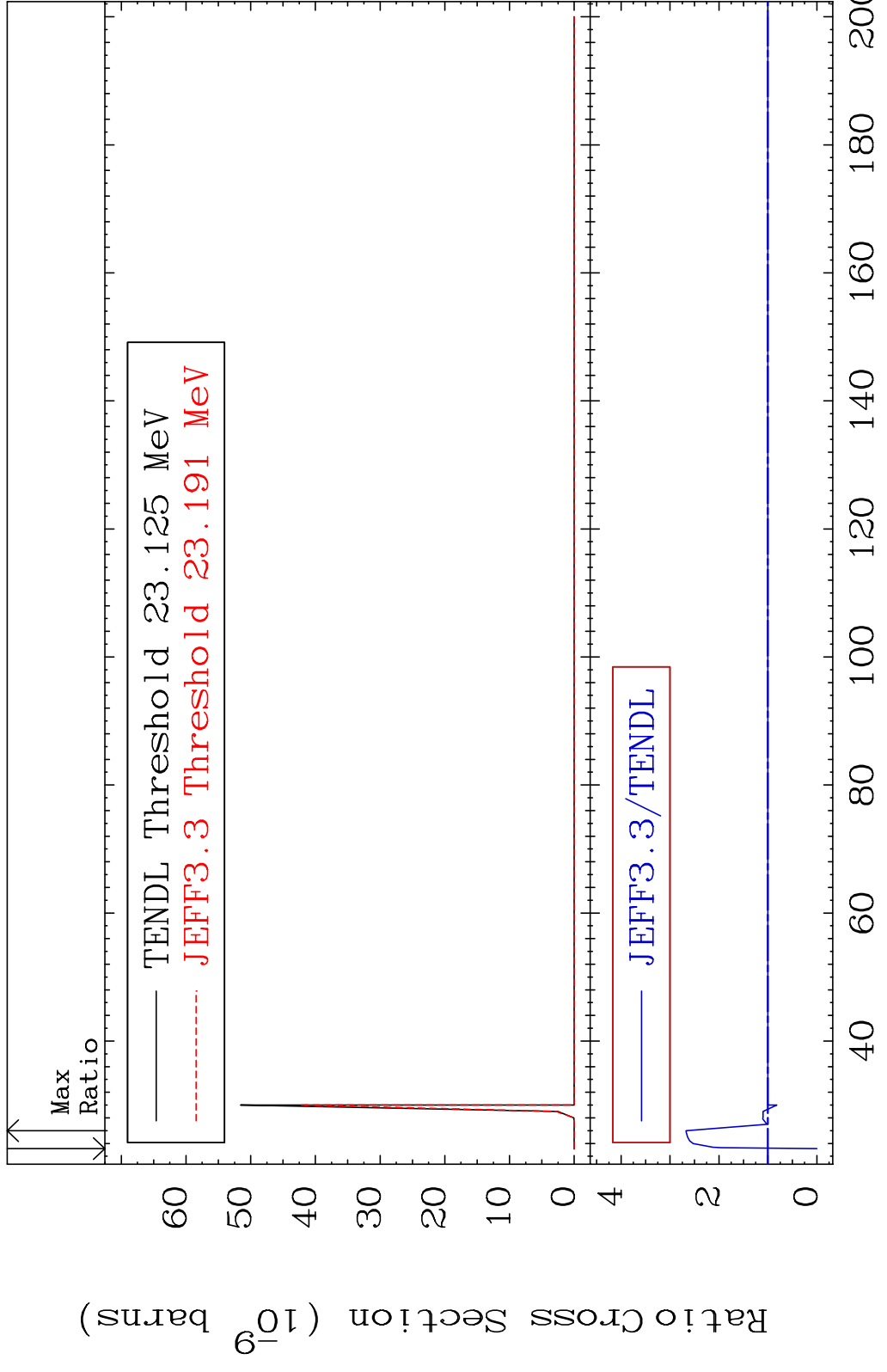




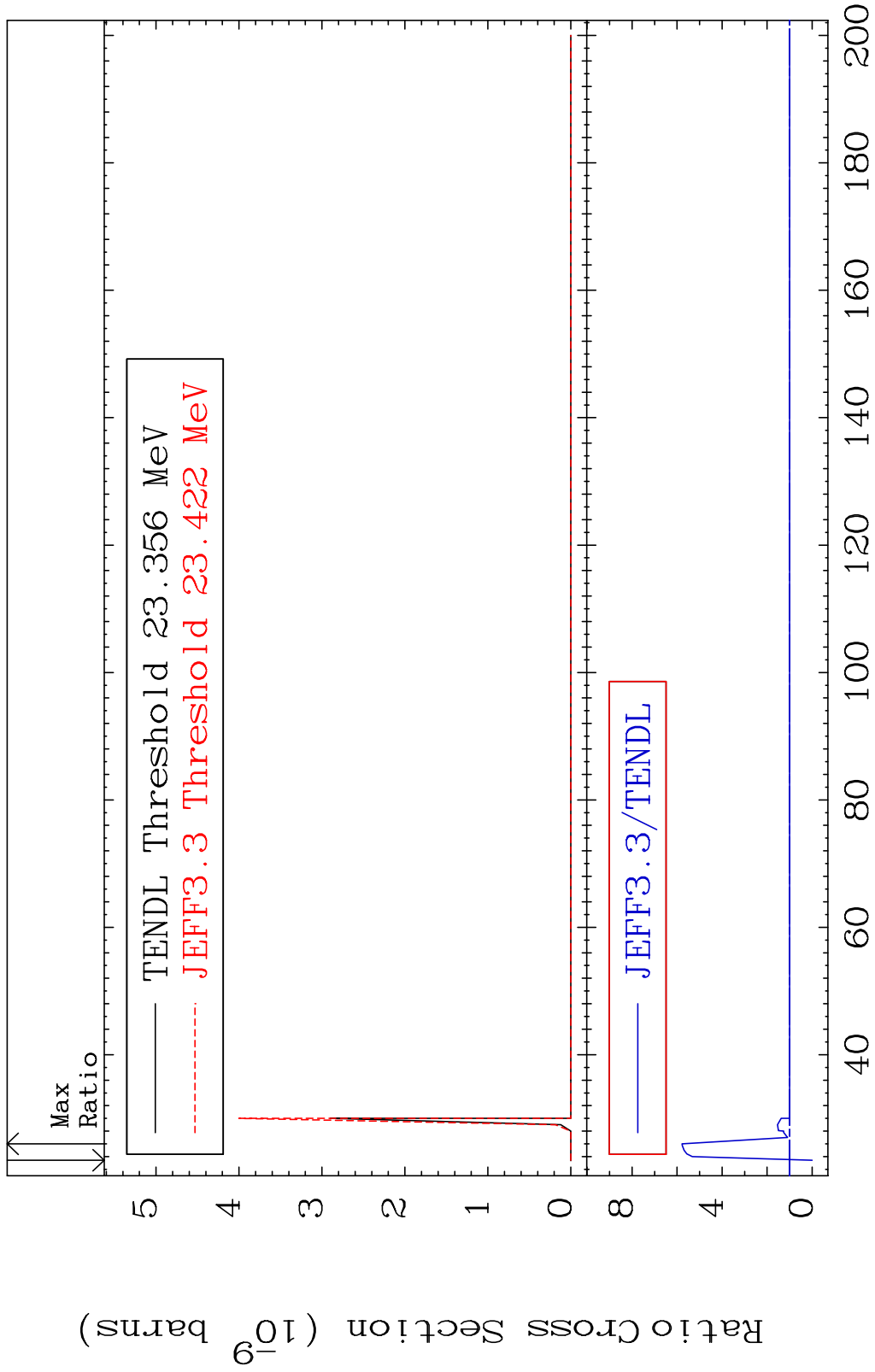
MAT 3649 (n, n') d:35-Br-84m1 36-Kr-86
 Radionuclide Production Cross Section 180.01 dno 363.7 %



MAT 3649 (n, n') He-3:34-Se-83g 36-Kr-86
 Radionuclide Production Cross Section Ratio 167.5 %

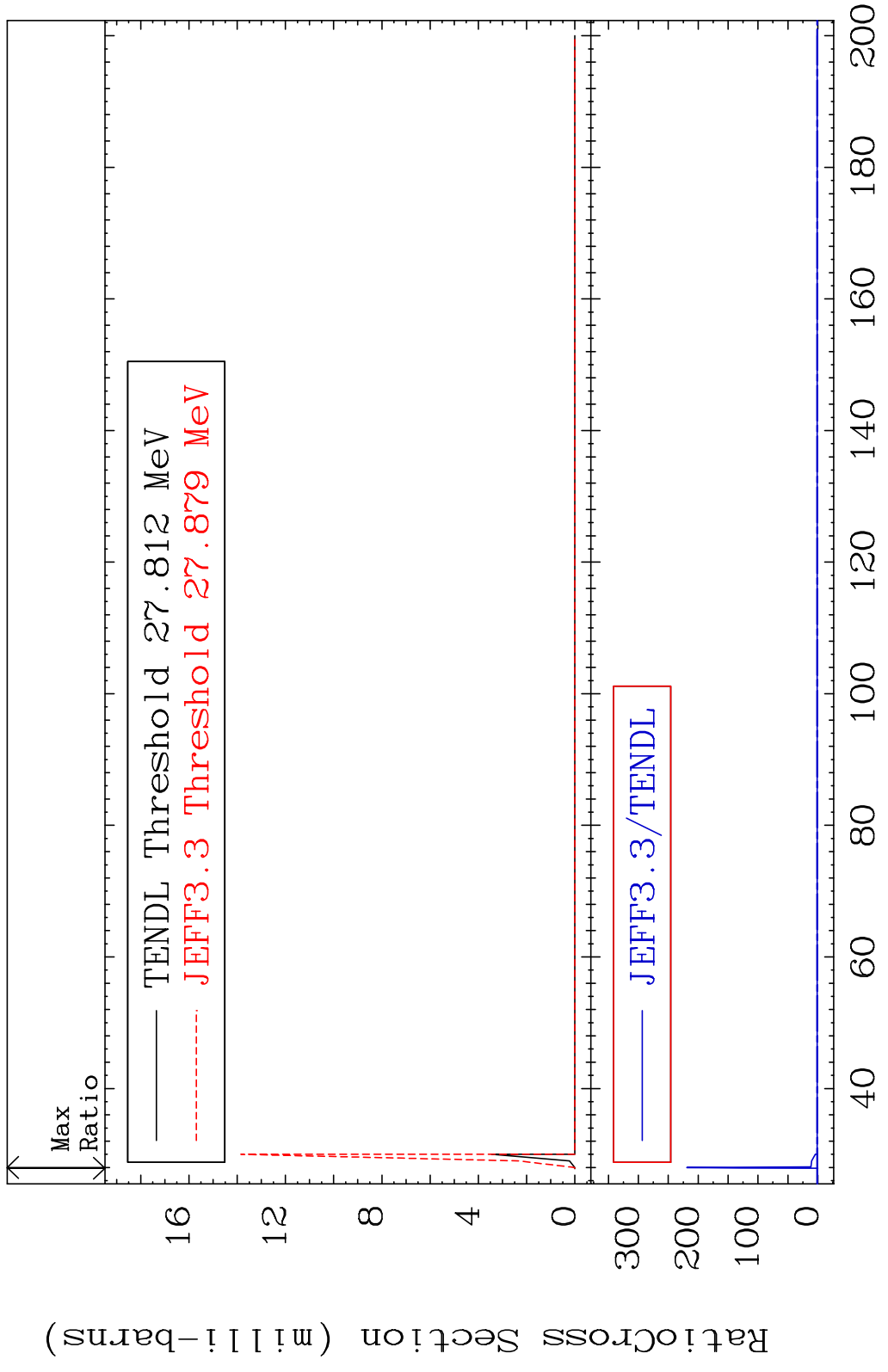


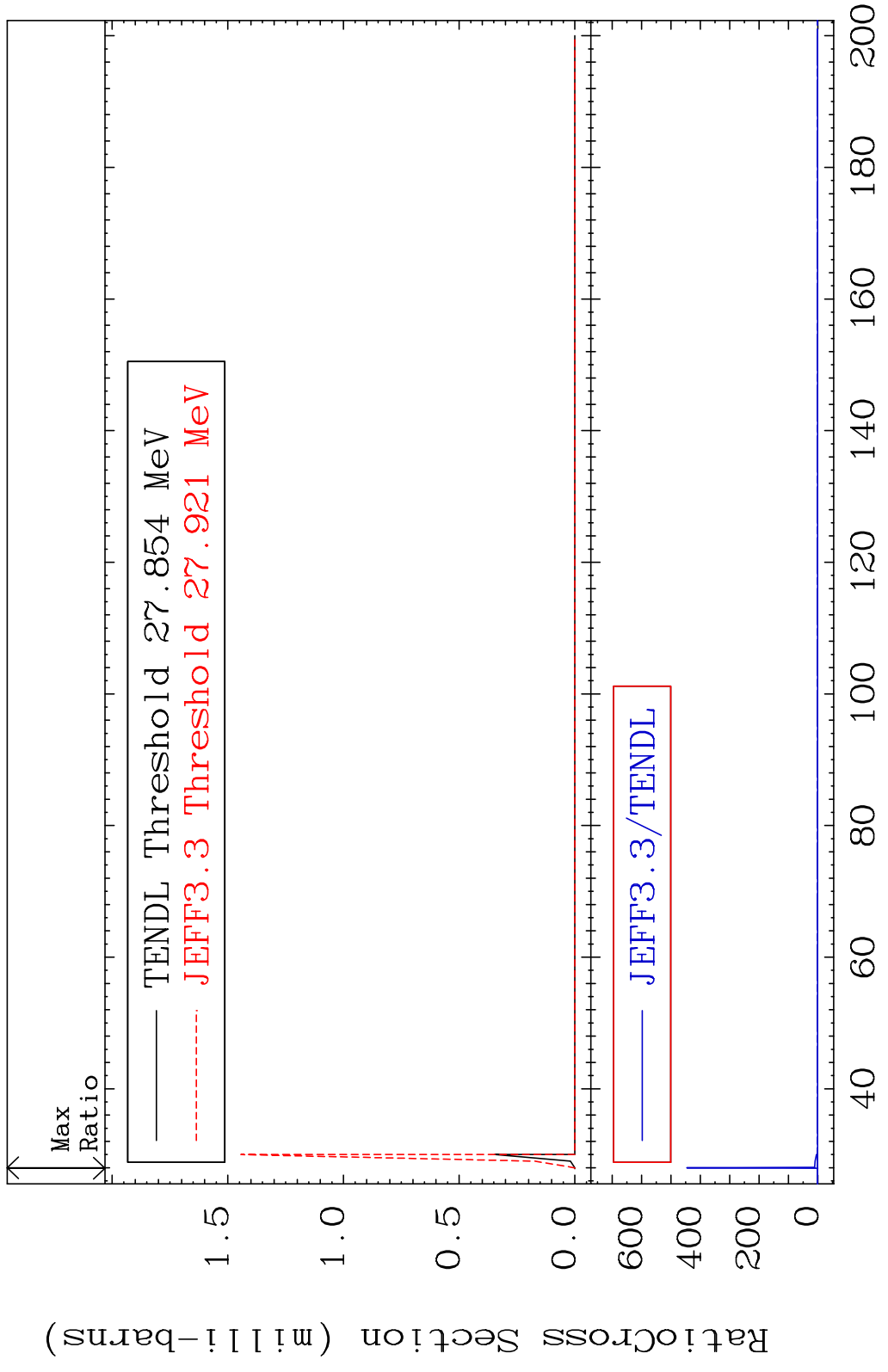
MAT 3649 (n, n') He-3:34-Se-83m1 36-Kr-86
 Radionuclide Production Cross Section 1800 d to 478.2 %

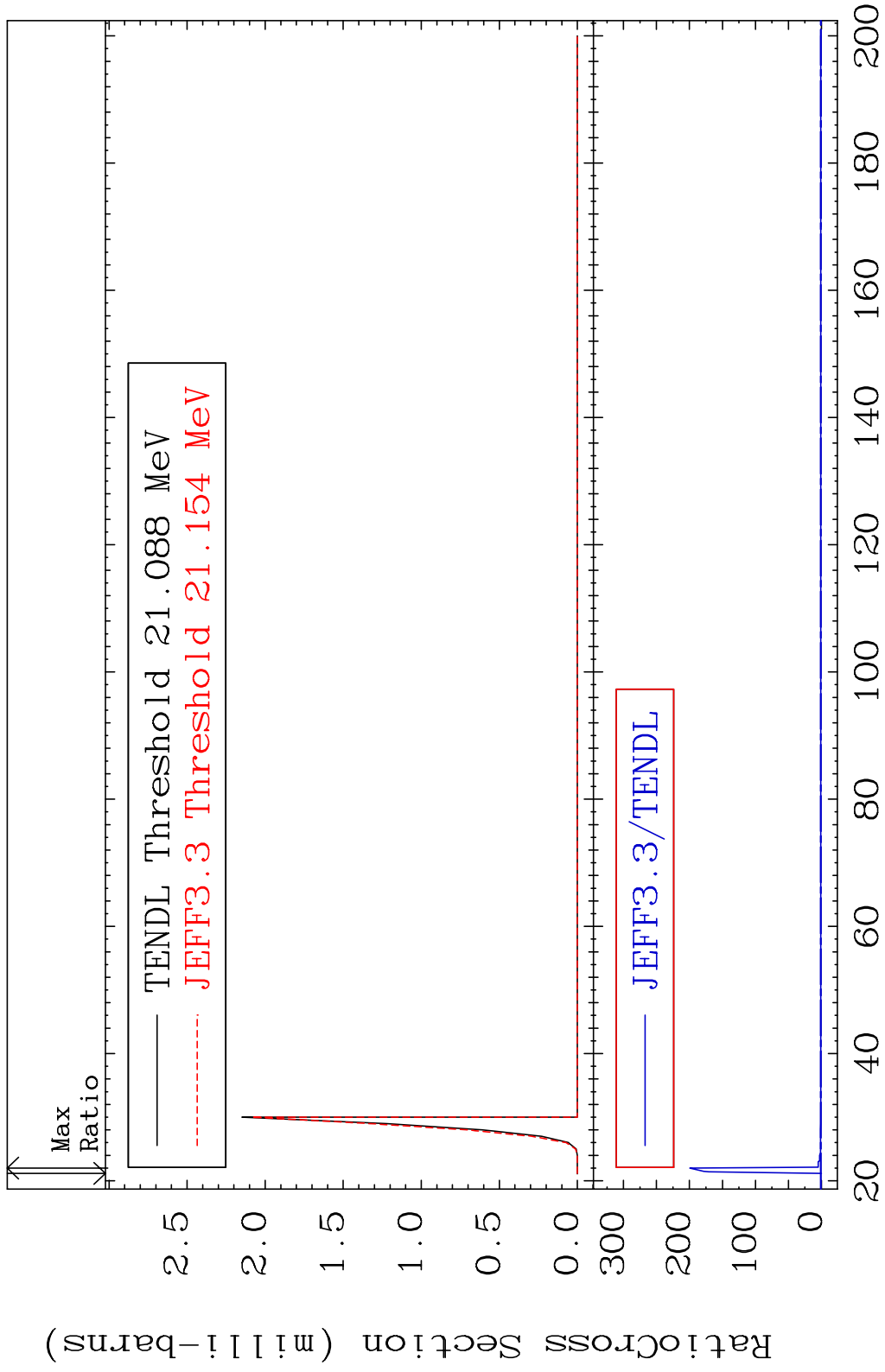


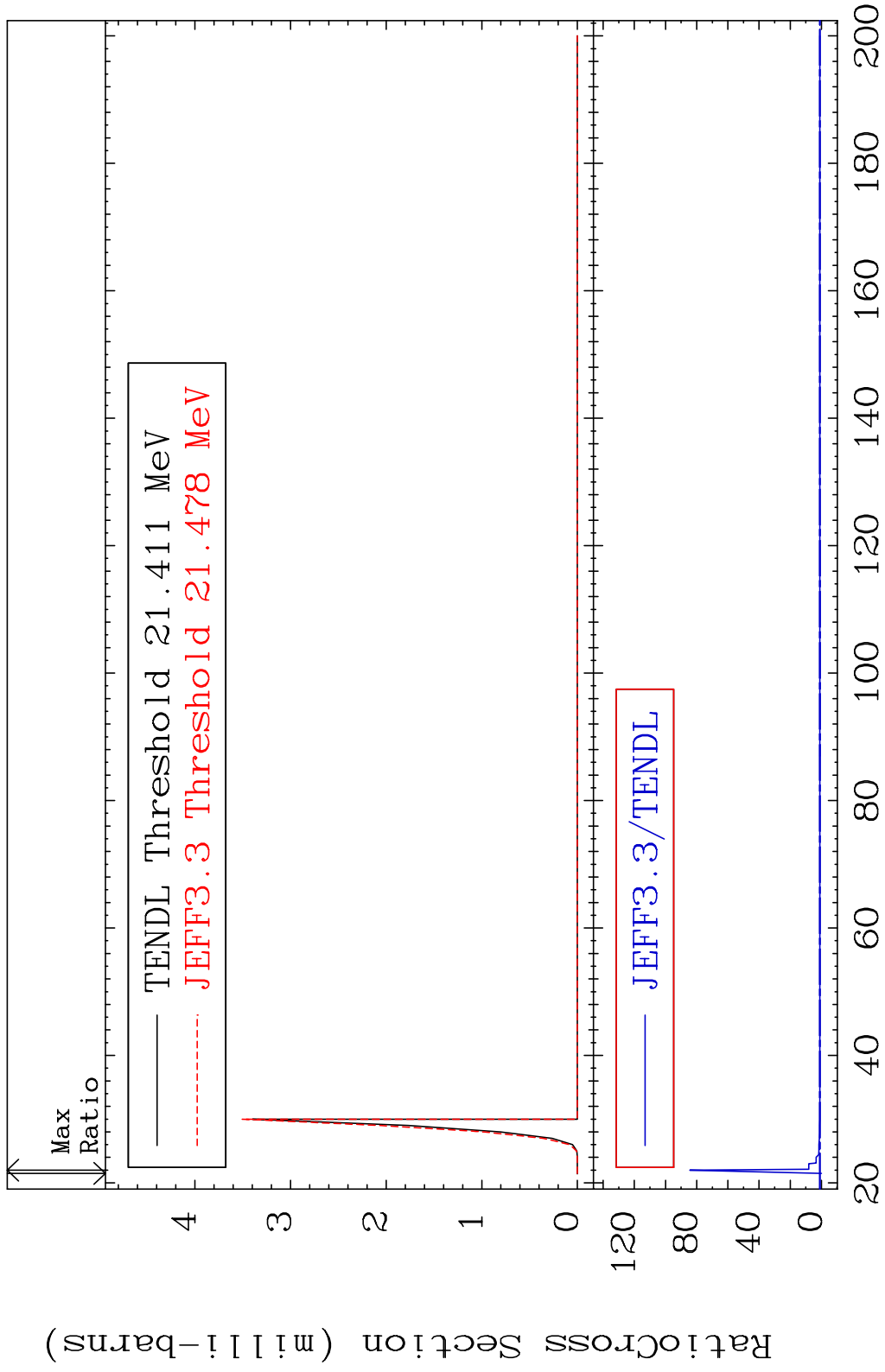
80 Incident Energy (MeV) 36-Kr-86

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

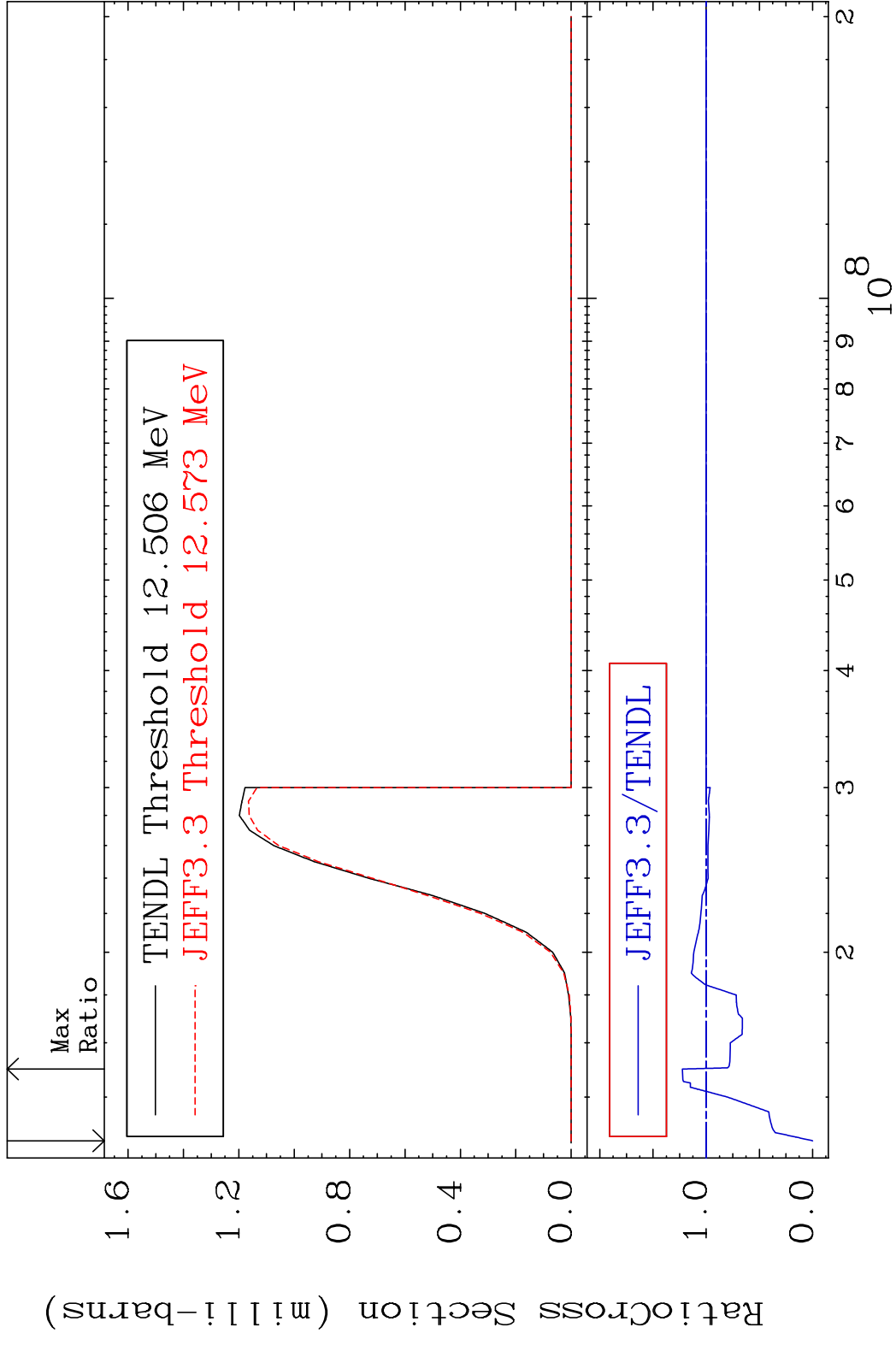


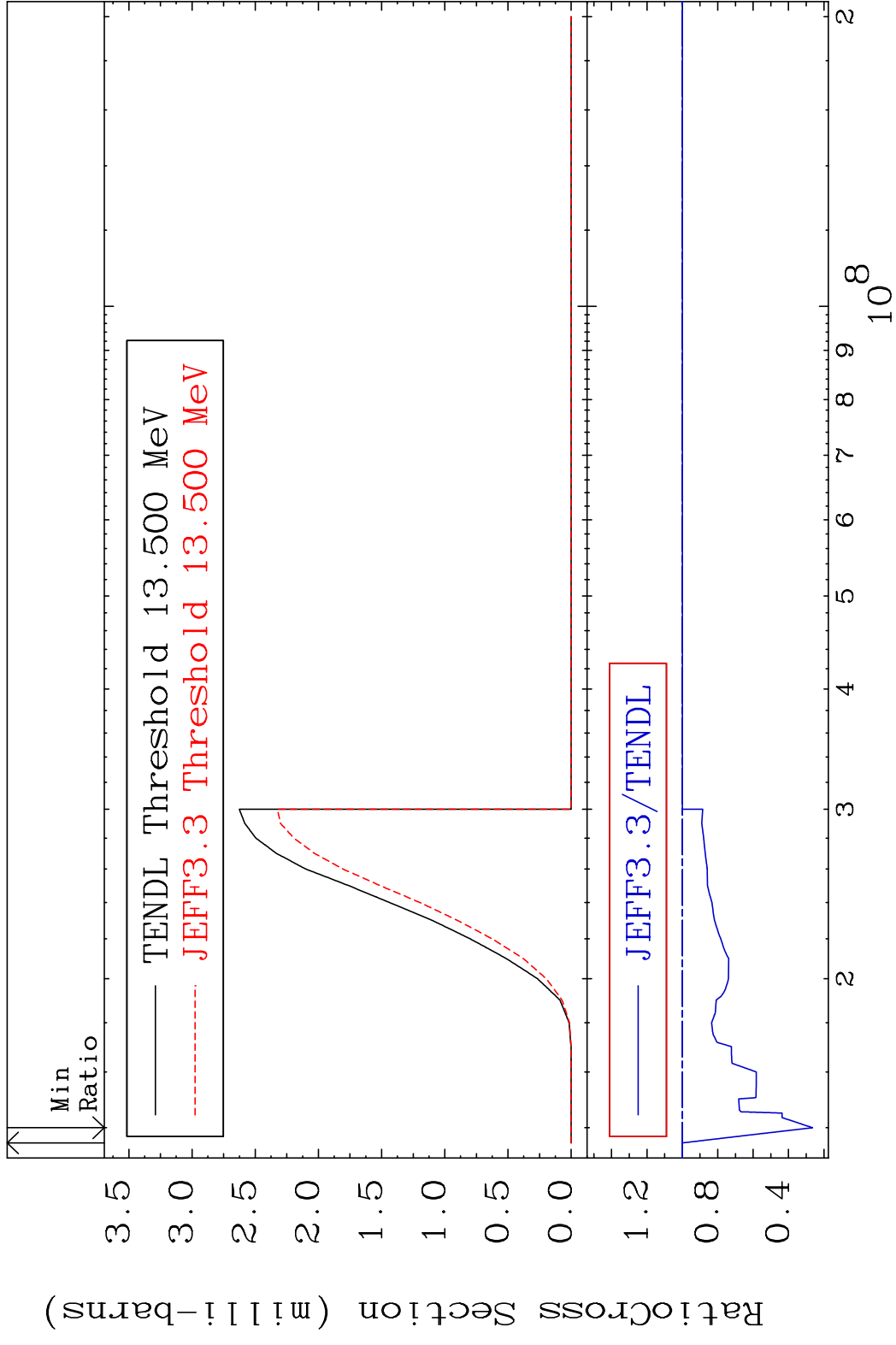




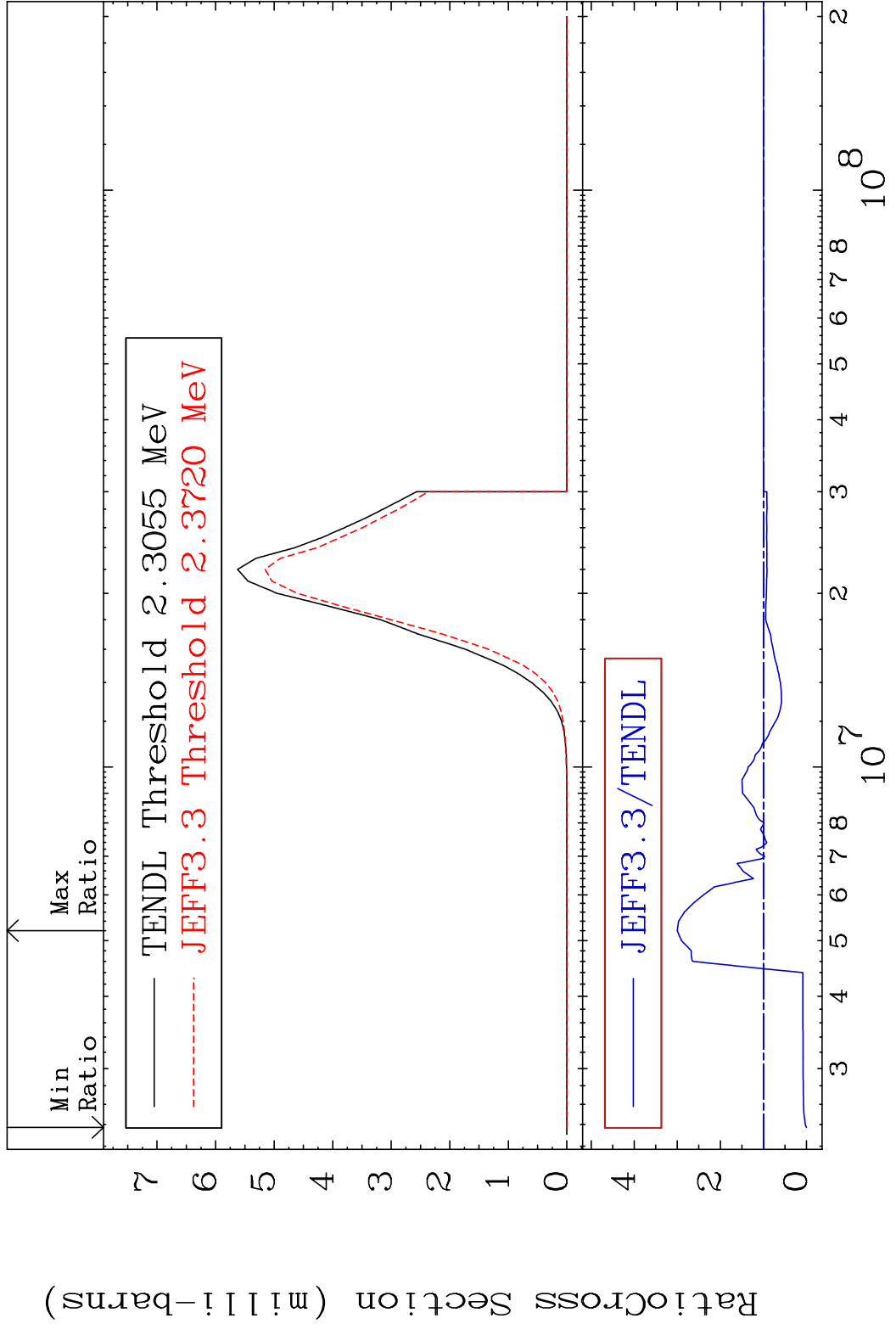


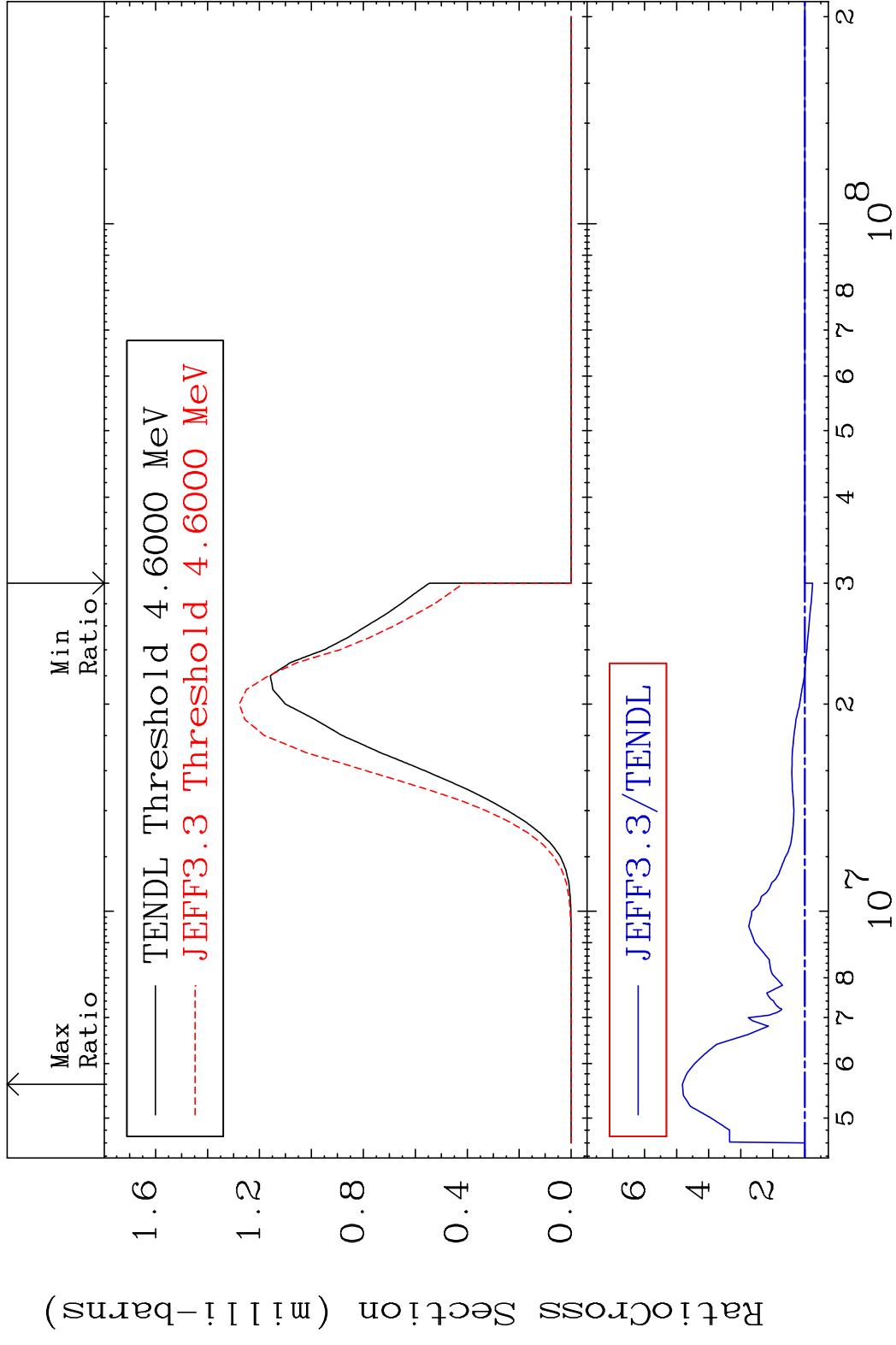
MAT 3649 (n, t):35-Br-84g 36-Kr-86
 Radionuclide Production Cross Section 1800 dth 22.42 %

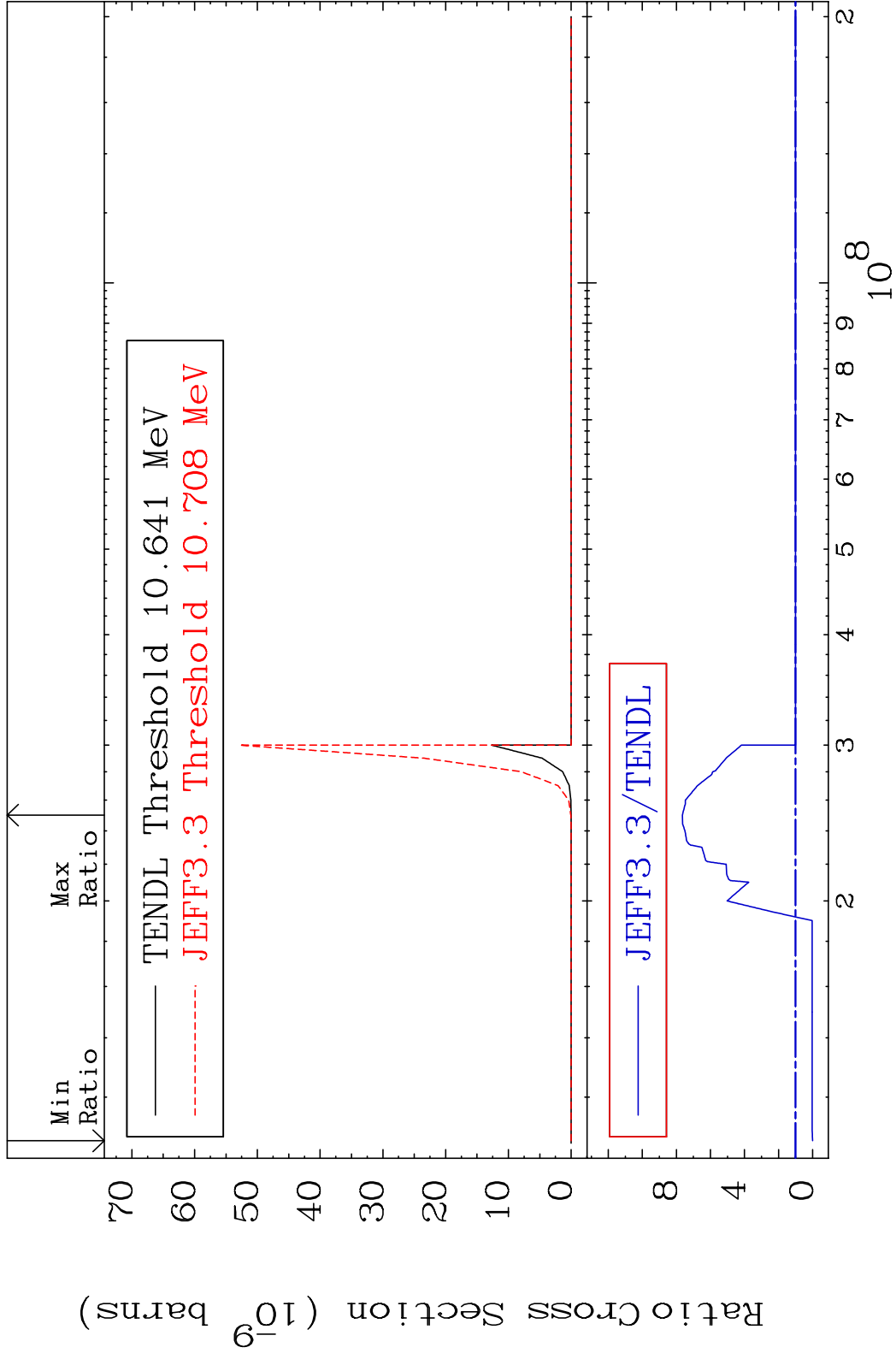




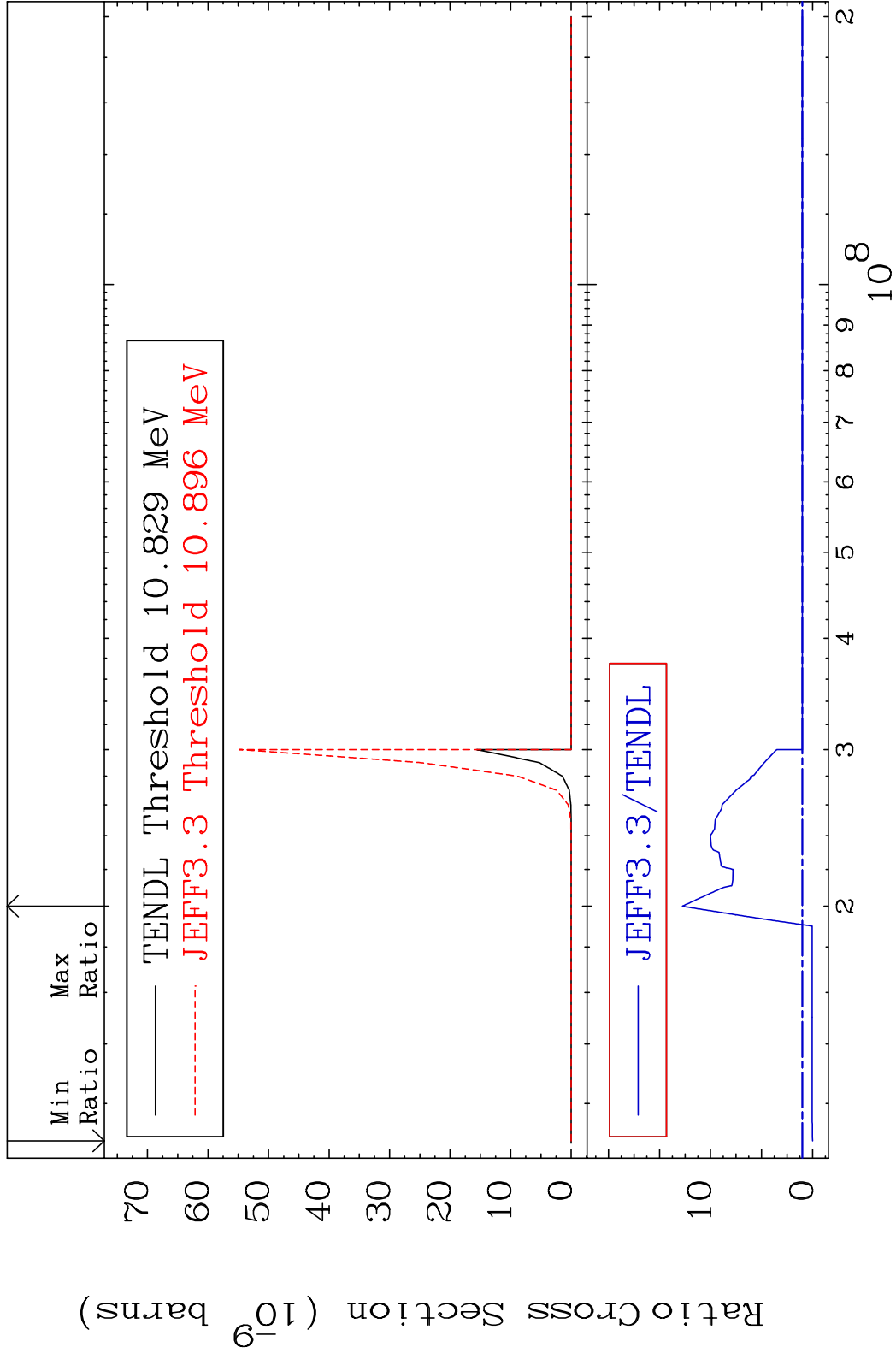
MAT 3649 (n, α): 34-Se-83g 36-Kr-86
 Radionuclide Production Cross Section 1800 d to 200.3 %

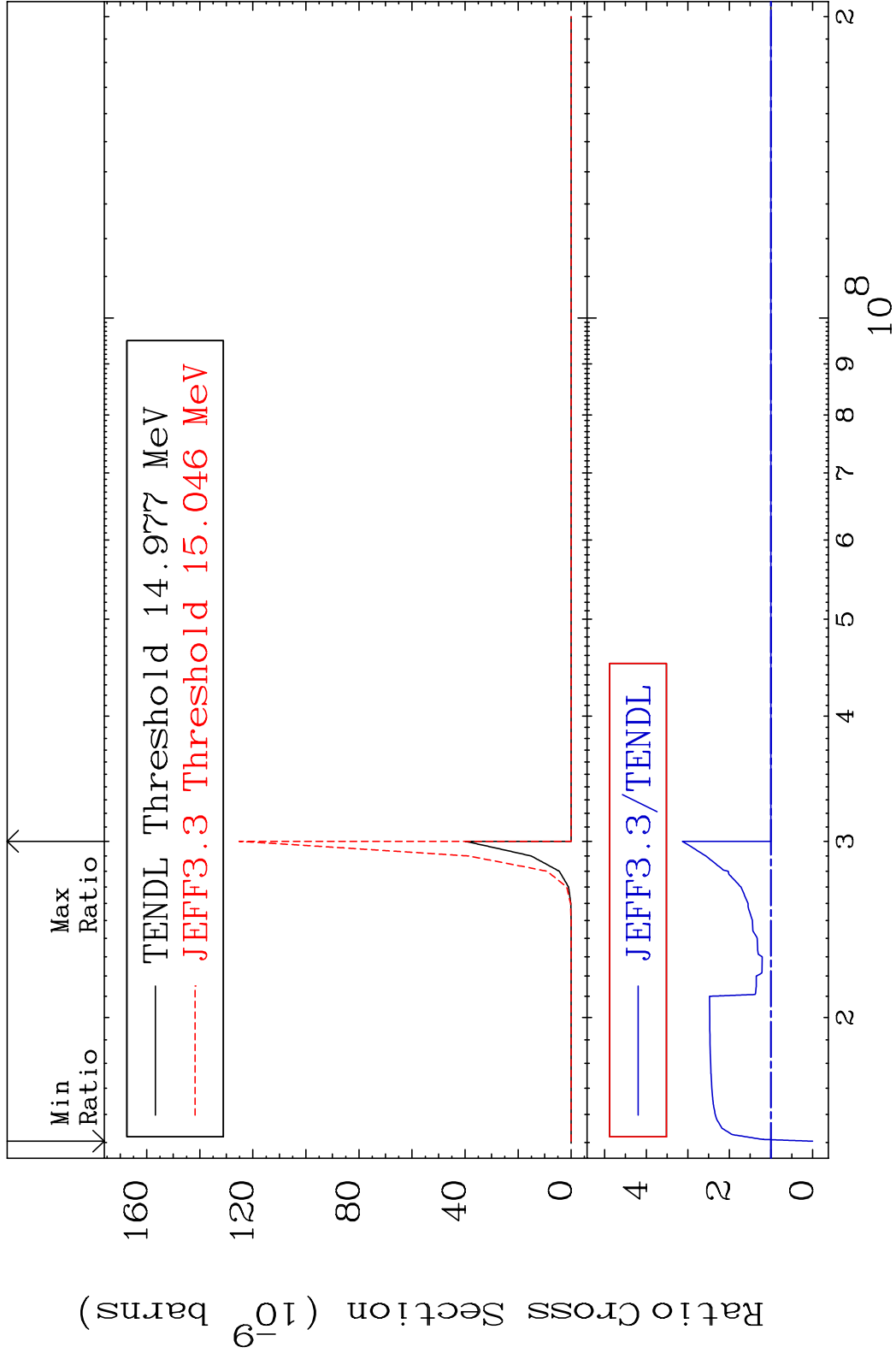






MAT 3649 (n, 2α) : 32-Ge-79m1 36-Kr-86
 Radionuclide Production Cross Section Ratio 1176. %





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

