

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

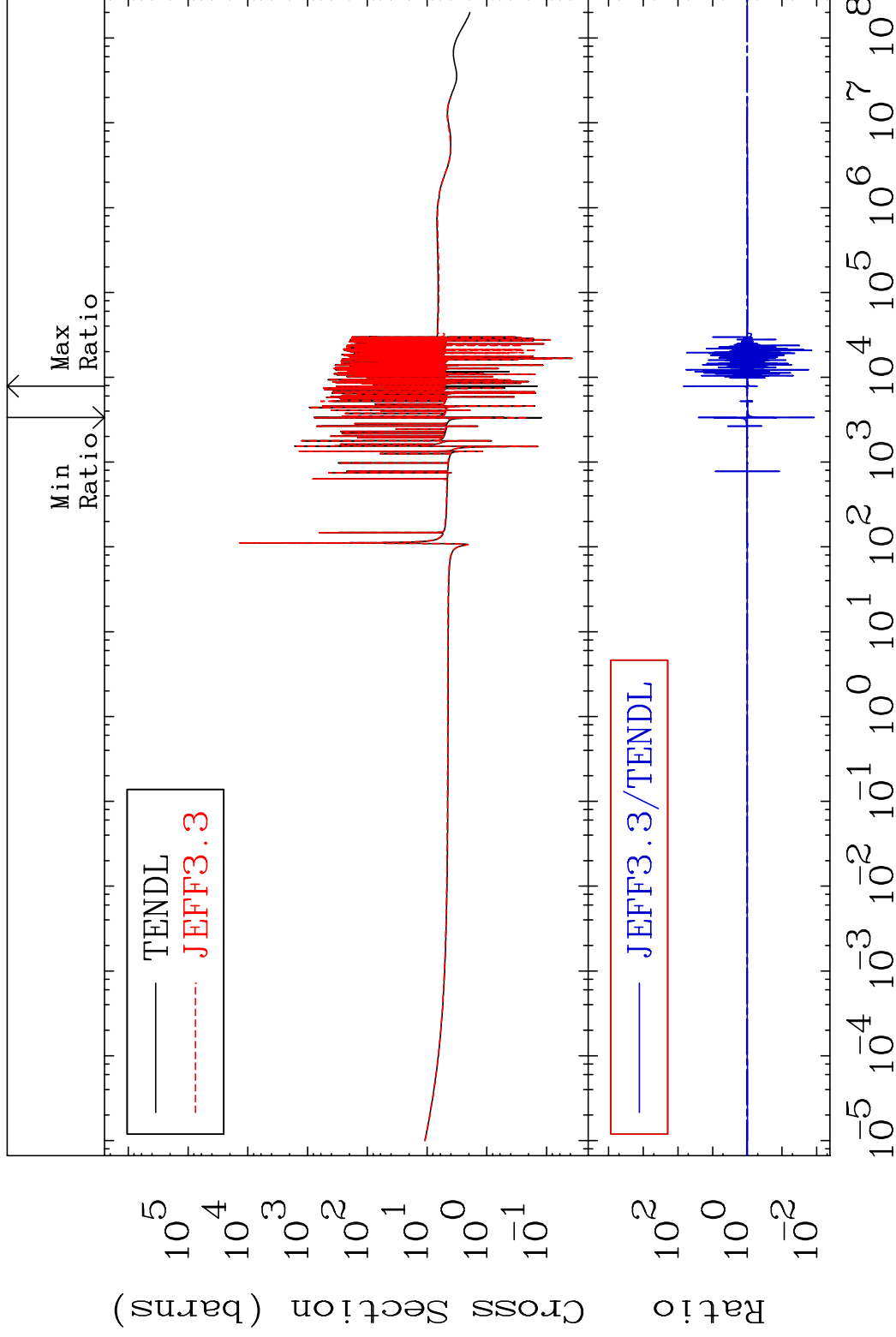
MAT 5037

Total

50-Sn-116

Cross Section

-98.81 To 6727. %



1

Incident Energy (eV)

50-Sn-116

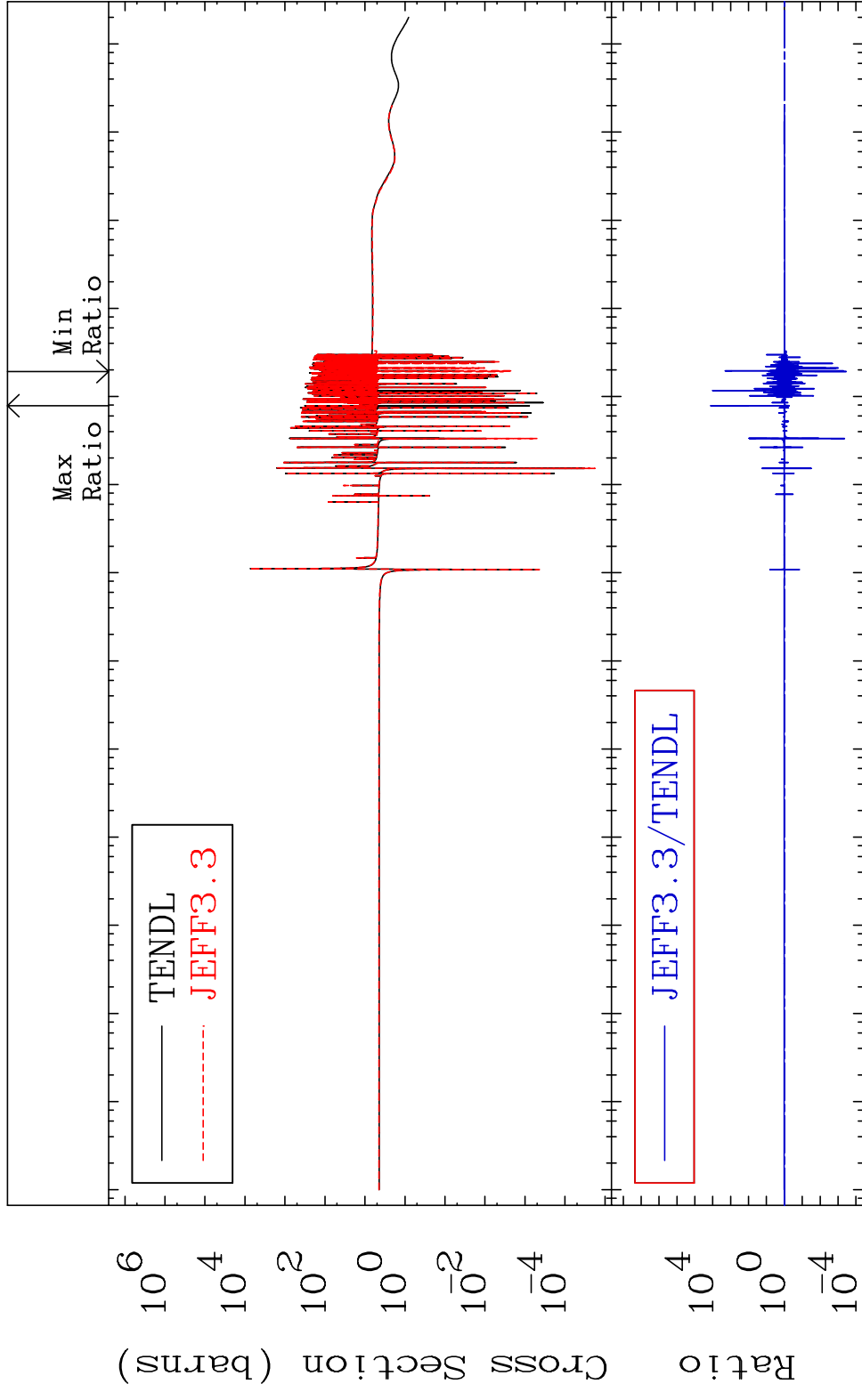
MAT 5037

Elastic

50-Sn-116

Cross Section

-99.97 To 9999. %

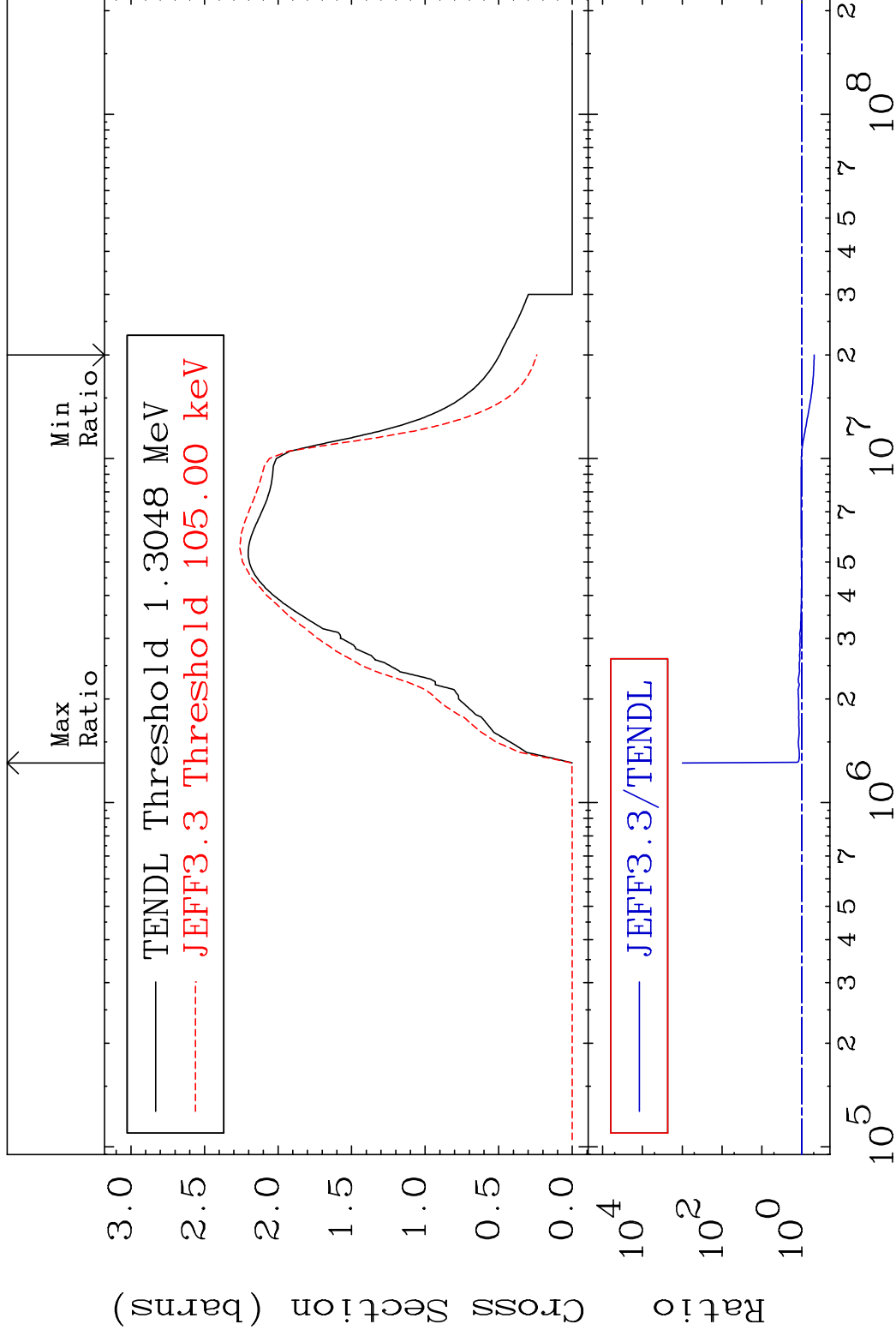


MAT 5037

Inelastic

50-Sn-116

Cross Section -51.00 To 9999. %



3

Incident Energy (eV)

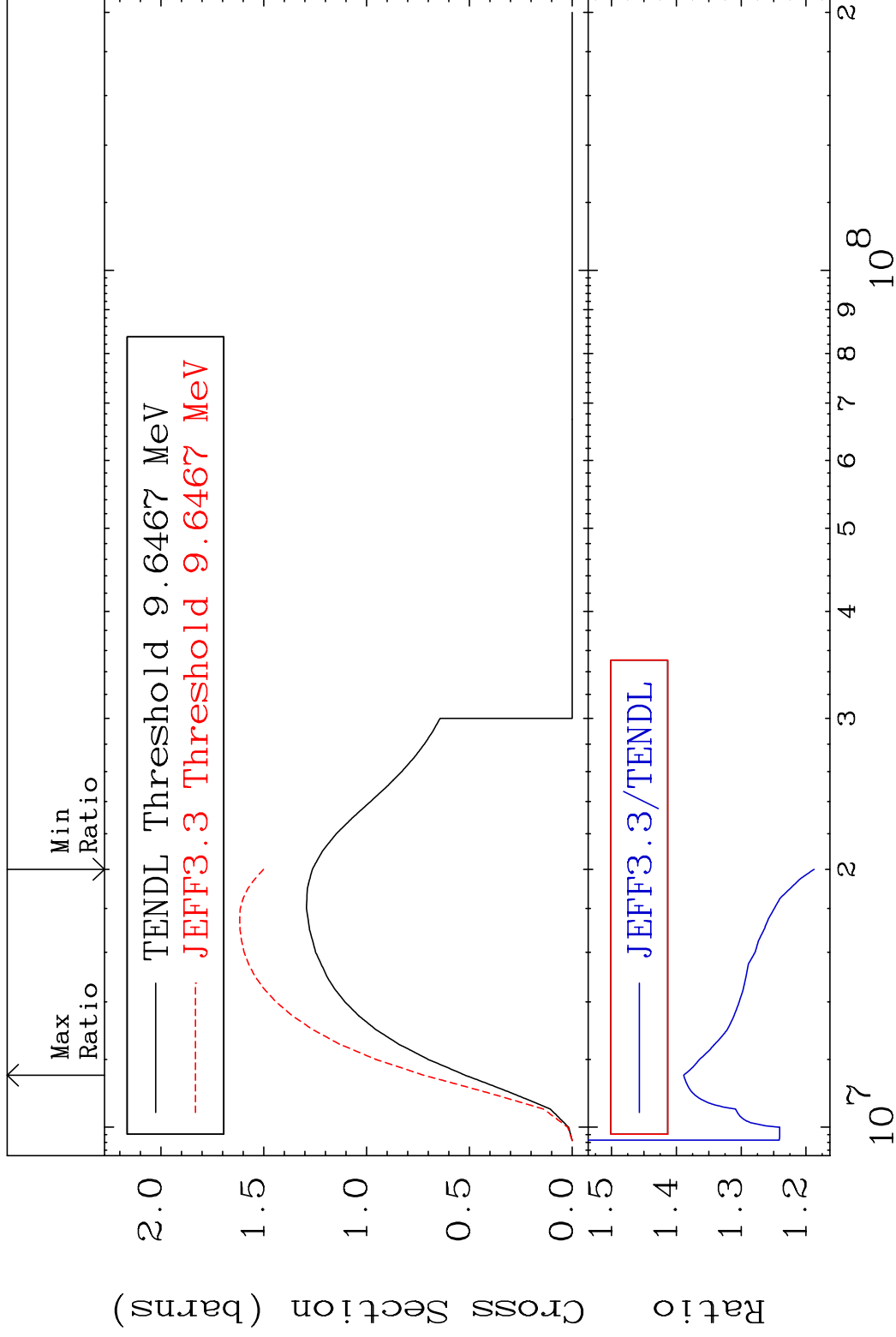
50-Sn-116

MAT 5037

(n,2n)

50-Sn-116

Cross Section 18.76 To 38.88 %



4 Incident Energy (eV)

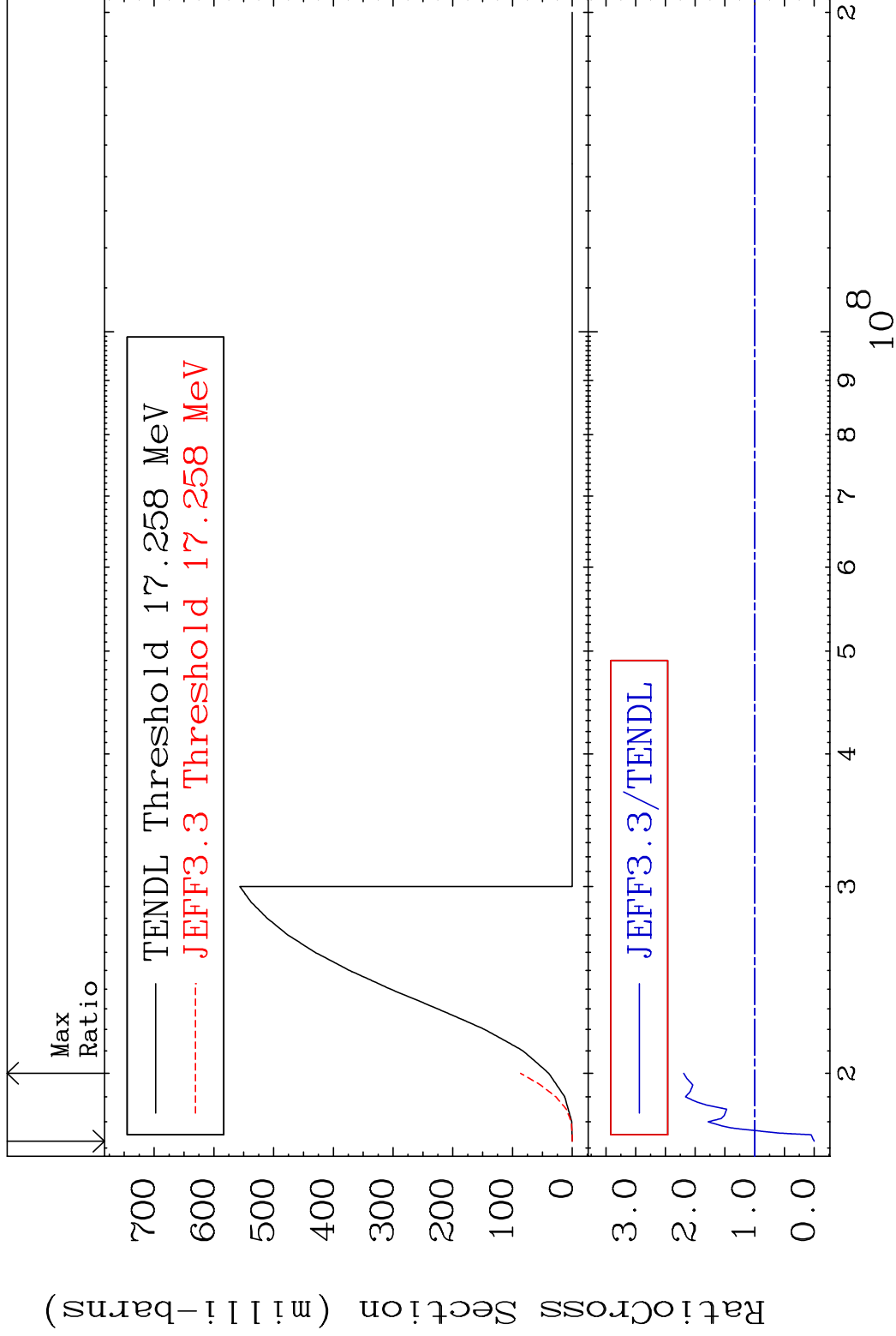
50-Sn-116

MAT 5037

(n,3n)

50-Sn-116

Cross Section -100.0 To 119.4 %



5

Incident Energy (eV)

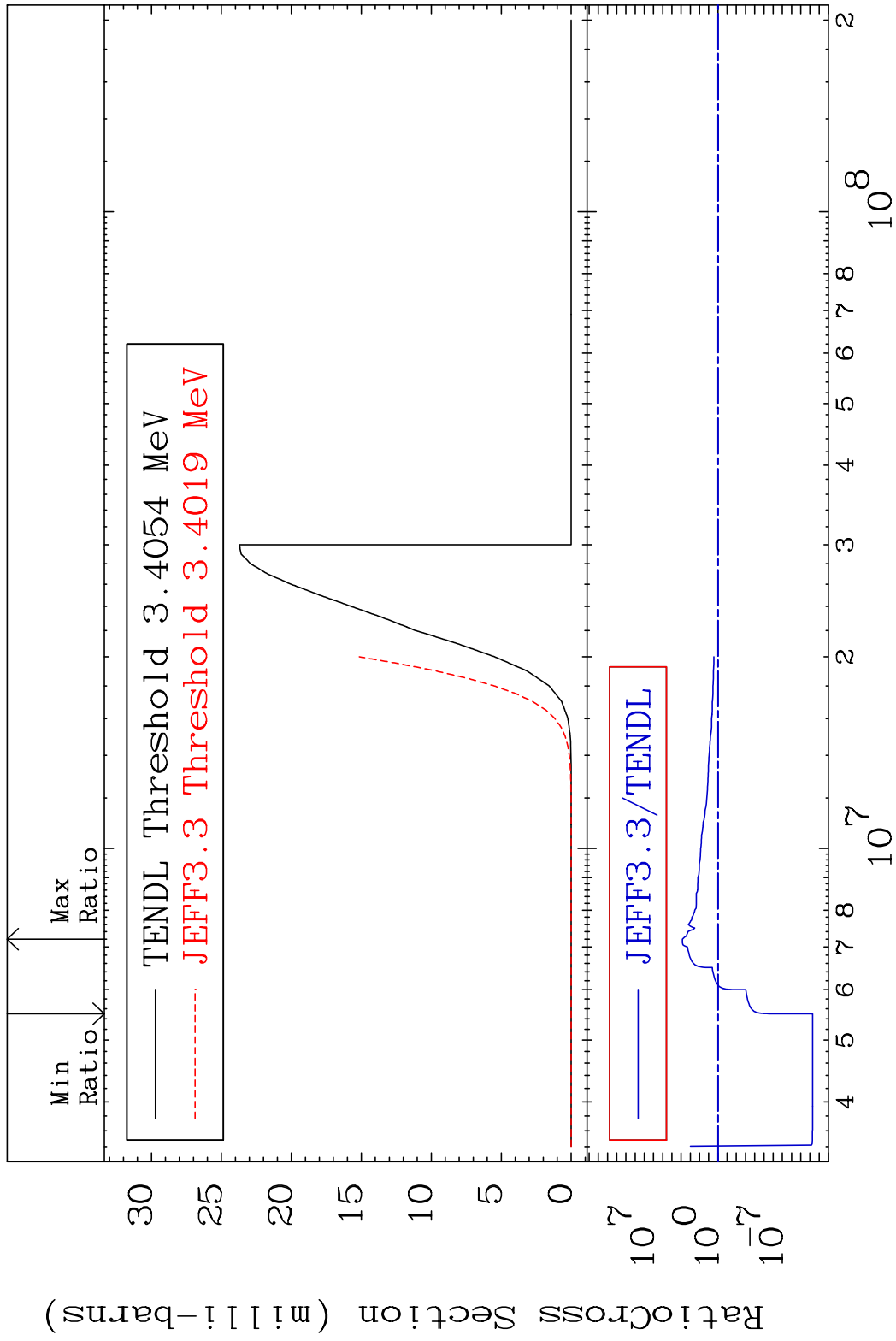
50-Sn-116

MAT 5037

(n, n') α

50-Sn-116

Cross Section -100.0 To 9999. %

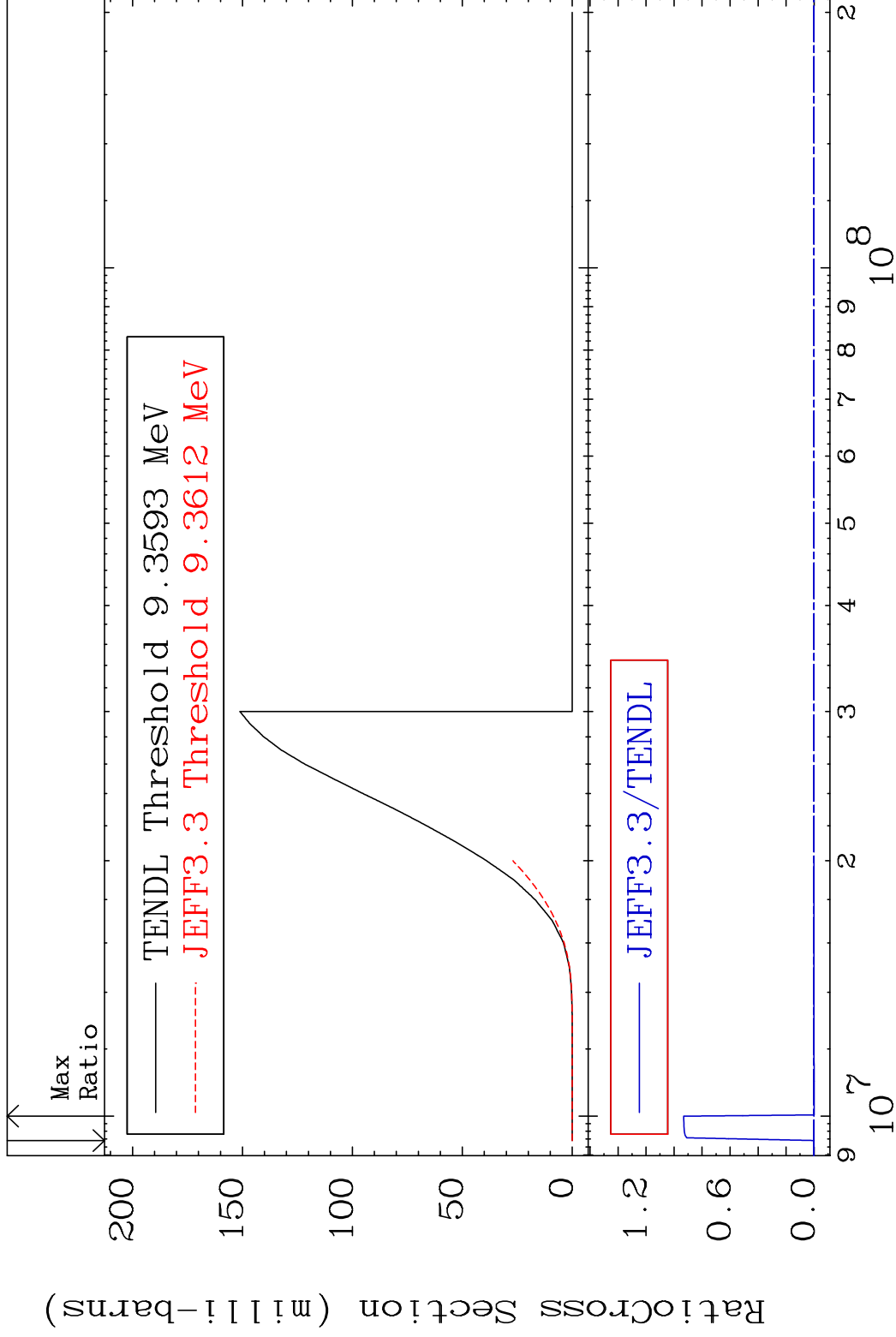


MAT 5037

(n, n') p

50-Sn-116

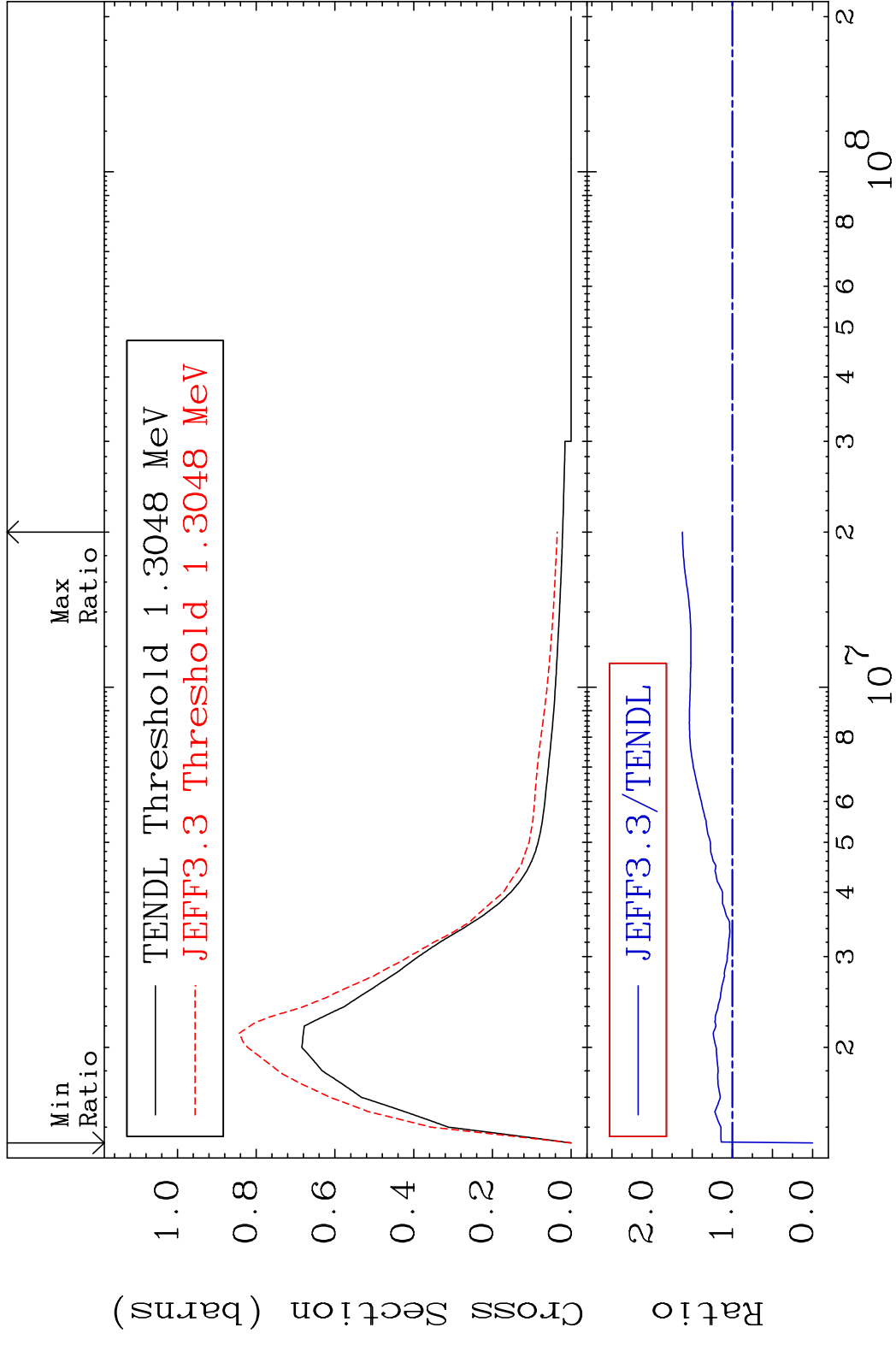
Cross Section -100.0 To 9999. %



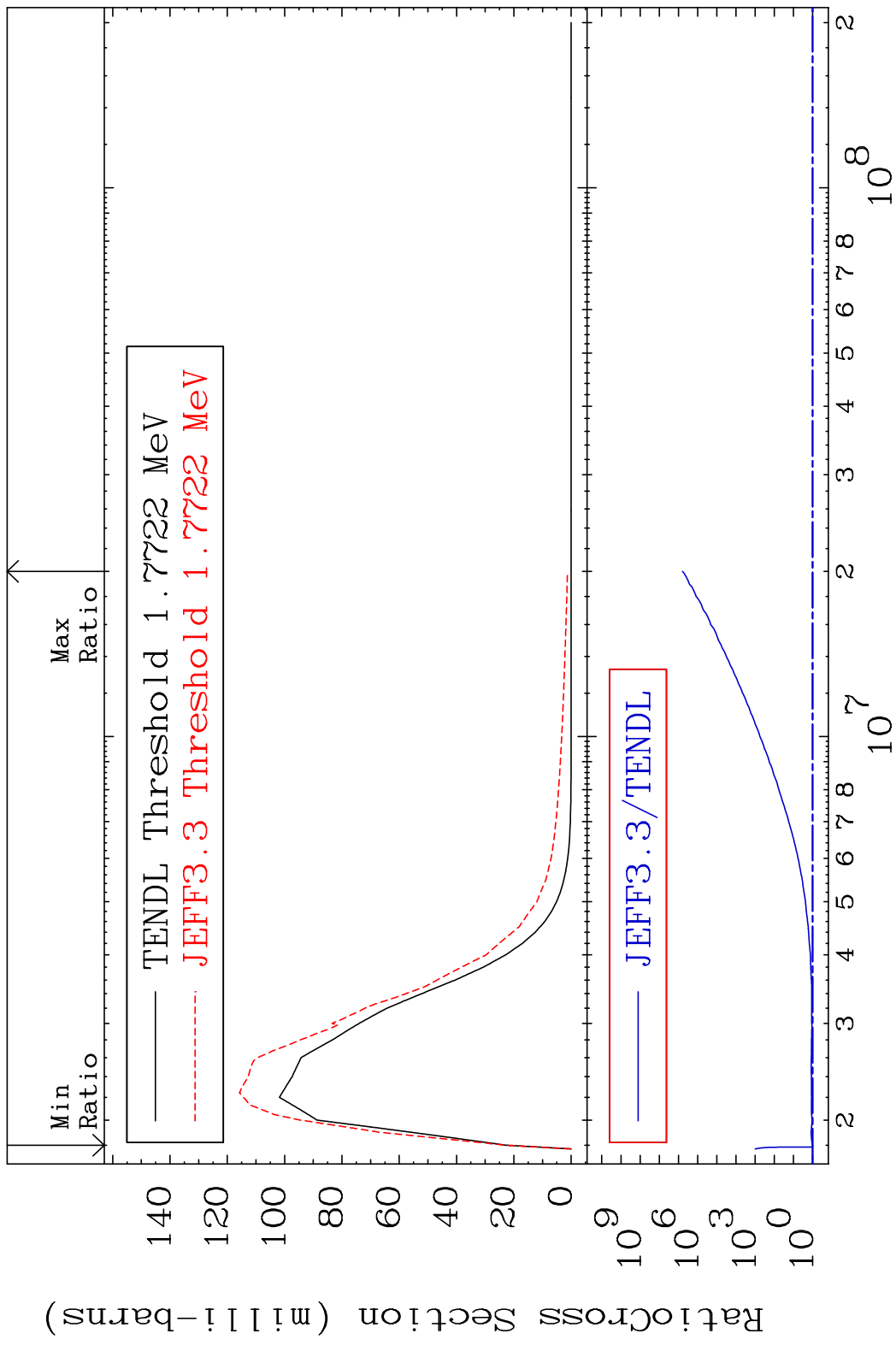
50-Sn-116

Incident Energy (eV)

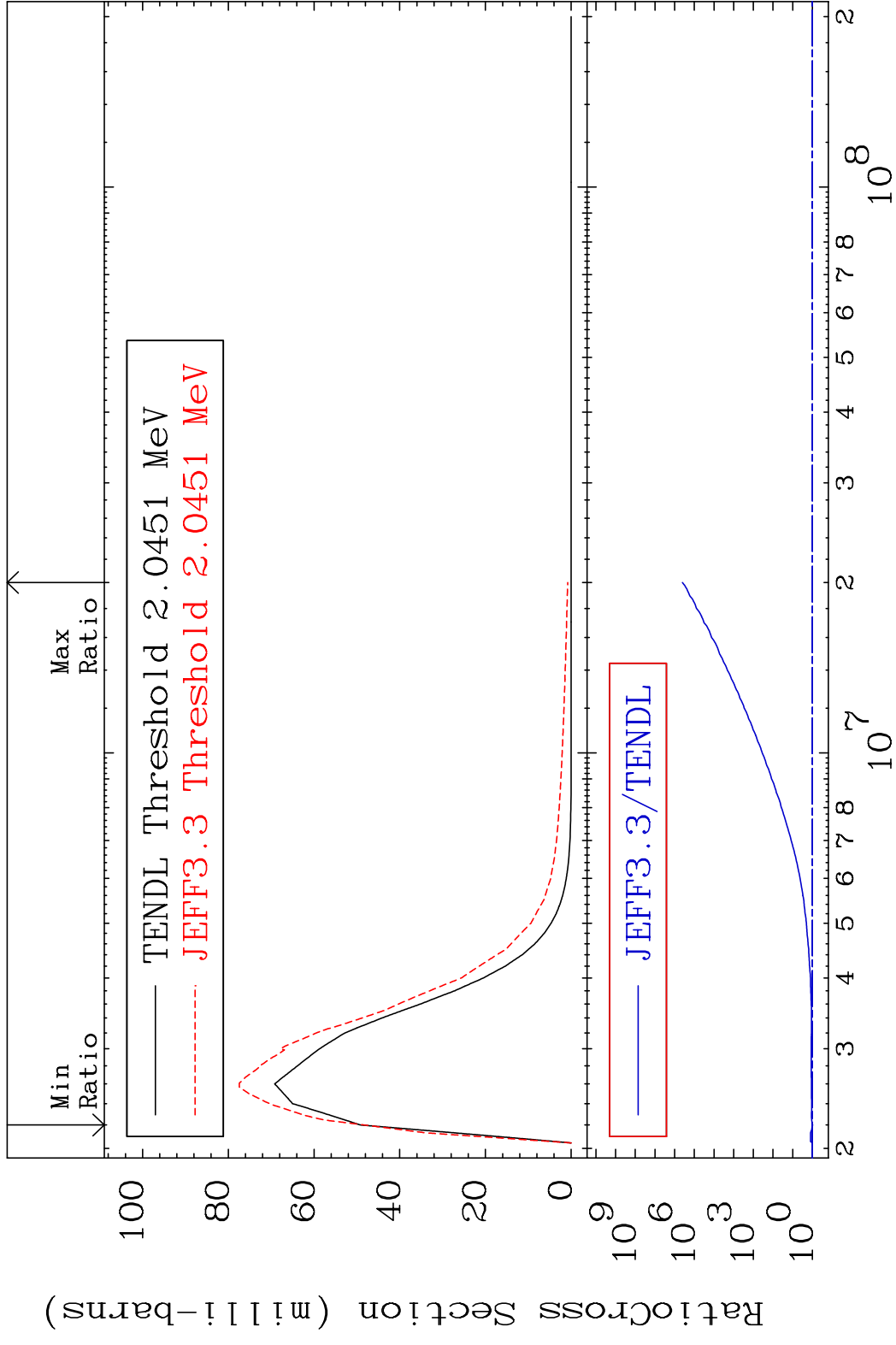
MAT 5037 MT= 51 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 62.29 %



MAT 5037 MT= 52 (n, n') Level 50-Sn-116
 Cross Section 0.312 To 9999. %



MAT 5037 MT= 53 (n, n') Level 50-Sn-116
 Cross Section -1.848 To 9999. %



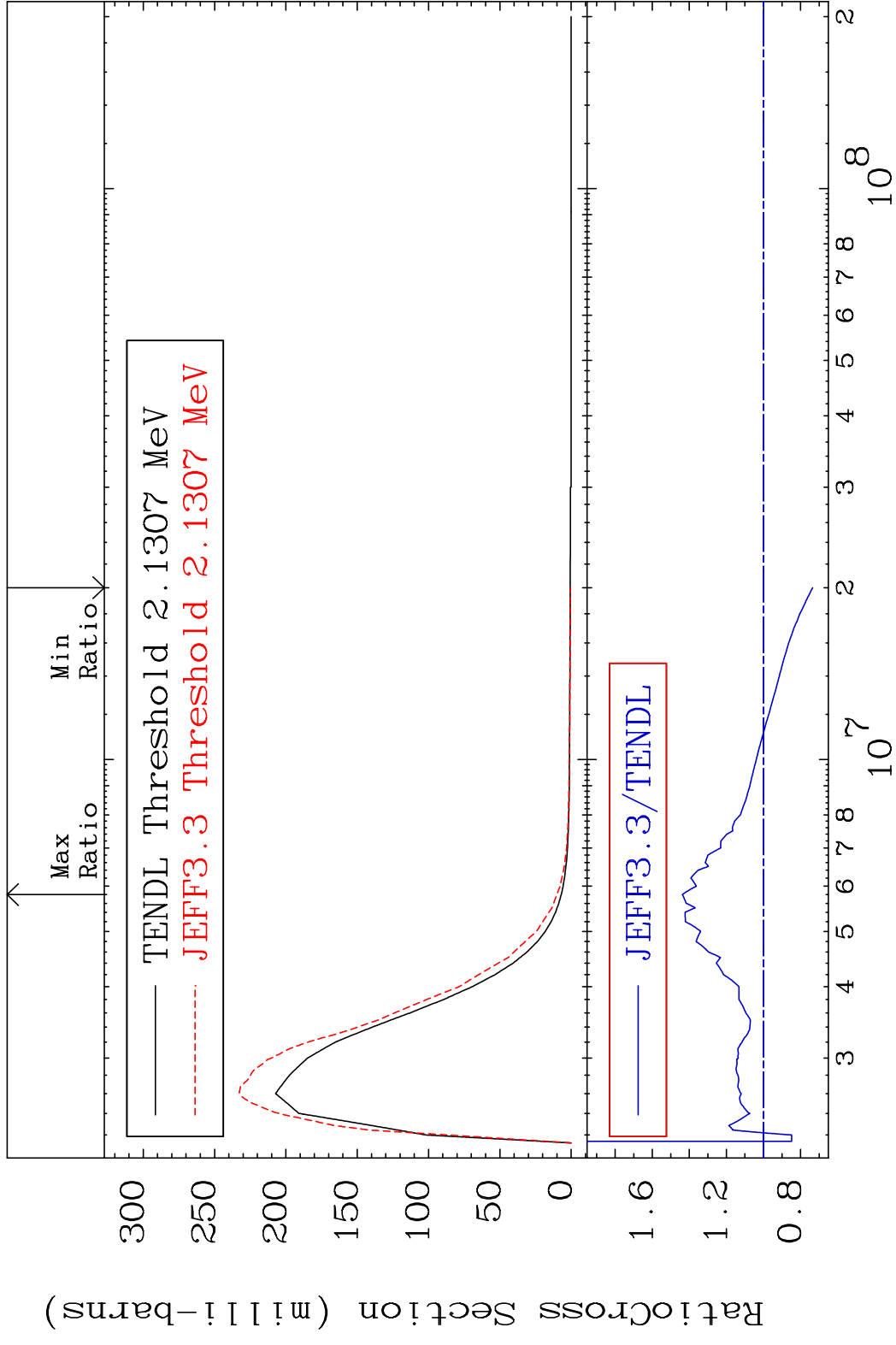
10 Incident Energy (eV) 50-Sn-116

MAT 5037

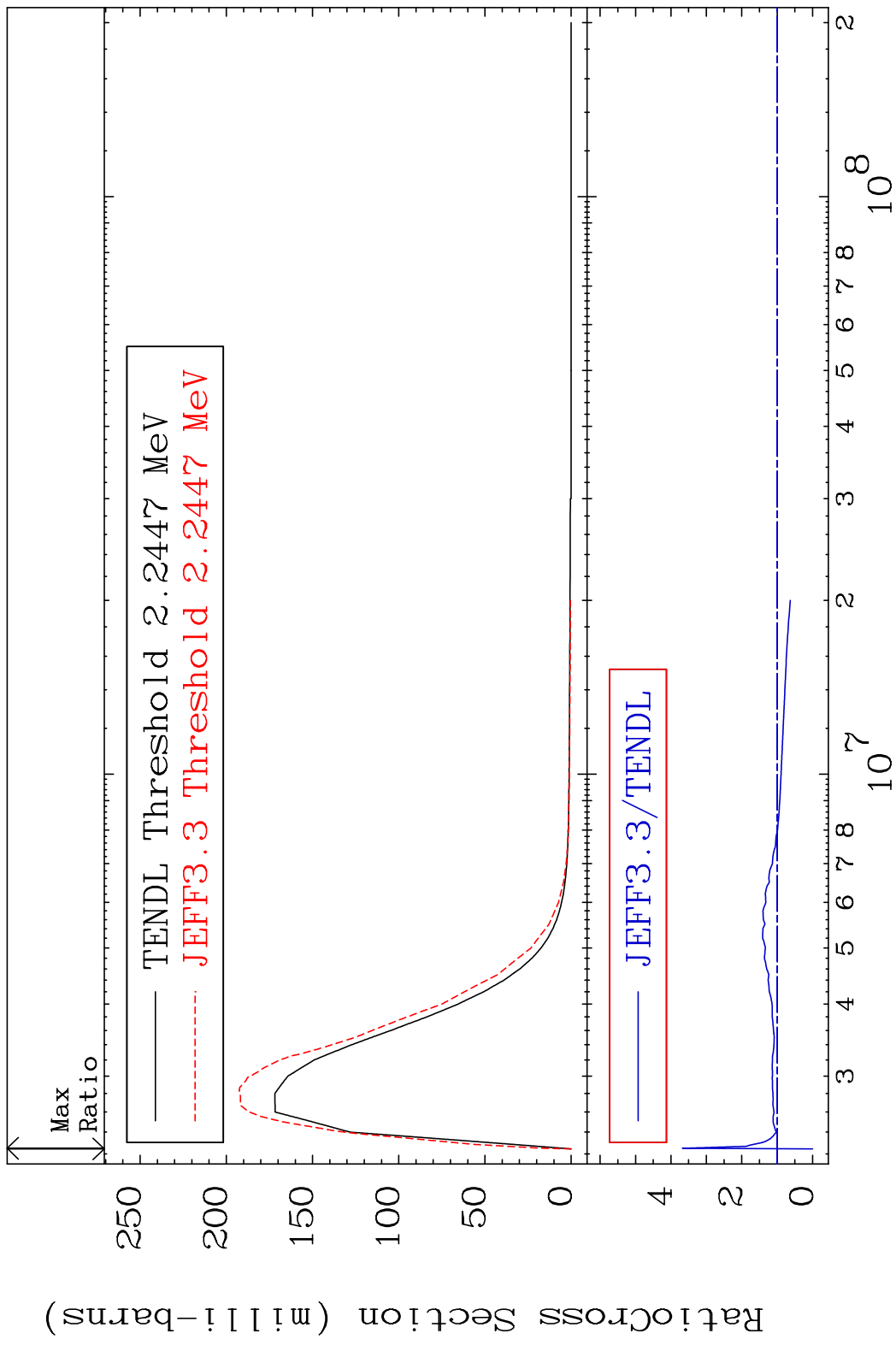
MT= 54 (n, n') Level

50-Sn-116

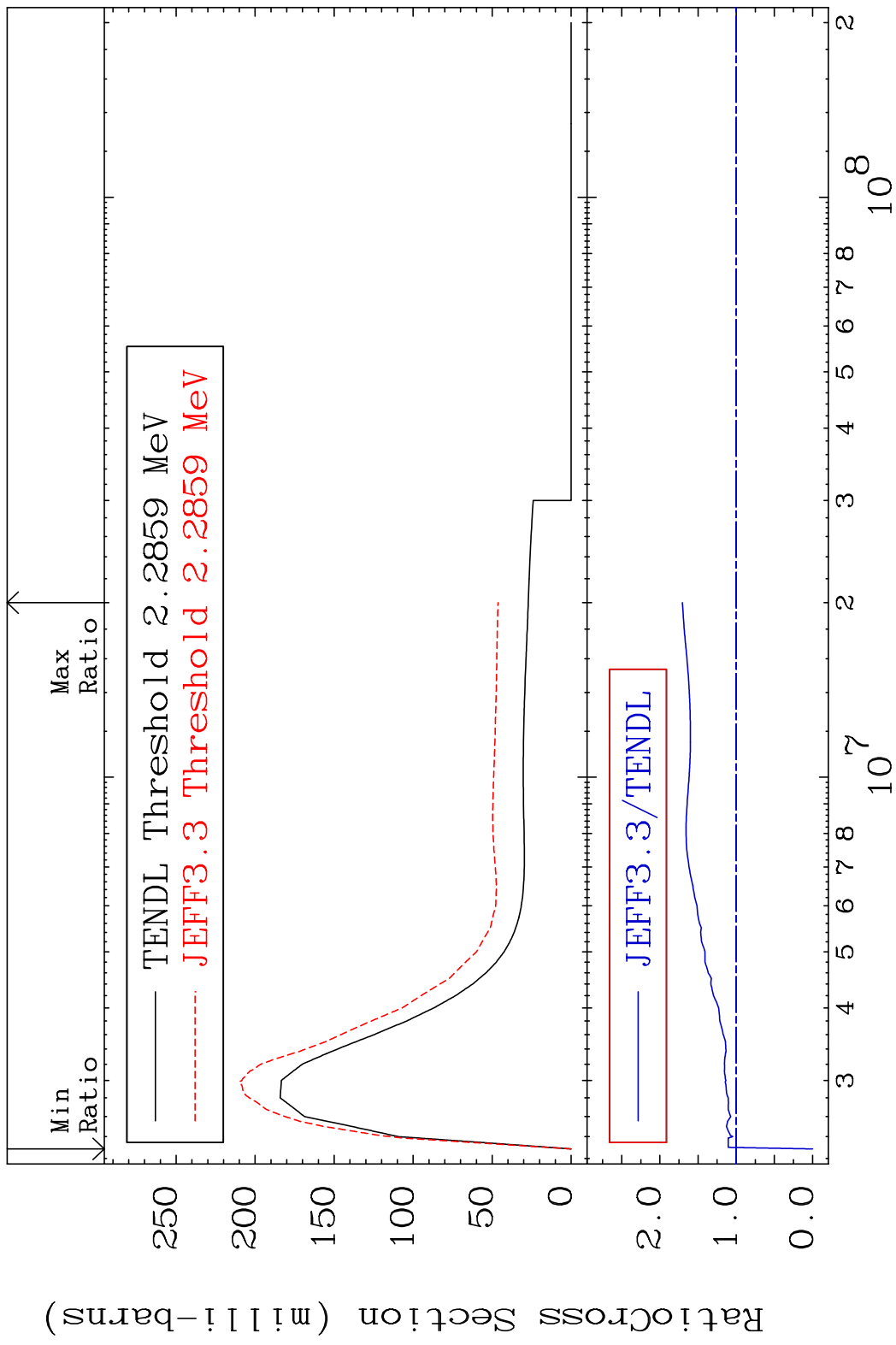
Cross Section -26.45 To 43.76 %



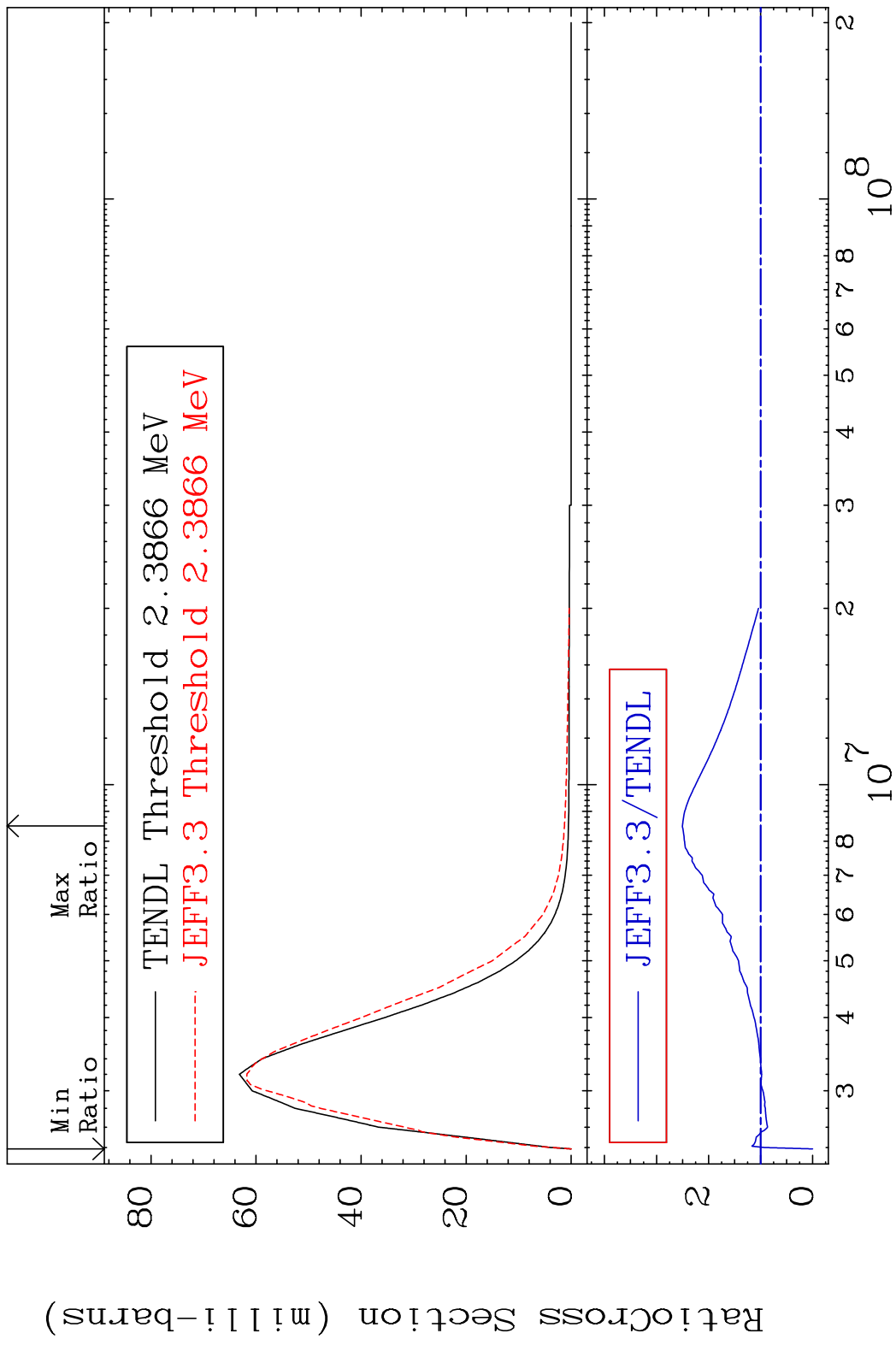
MAT 5037 MT= 55 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 267.8 %



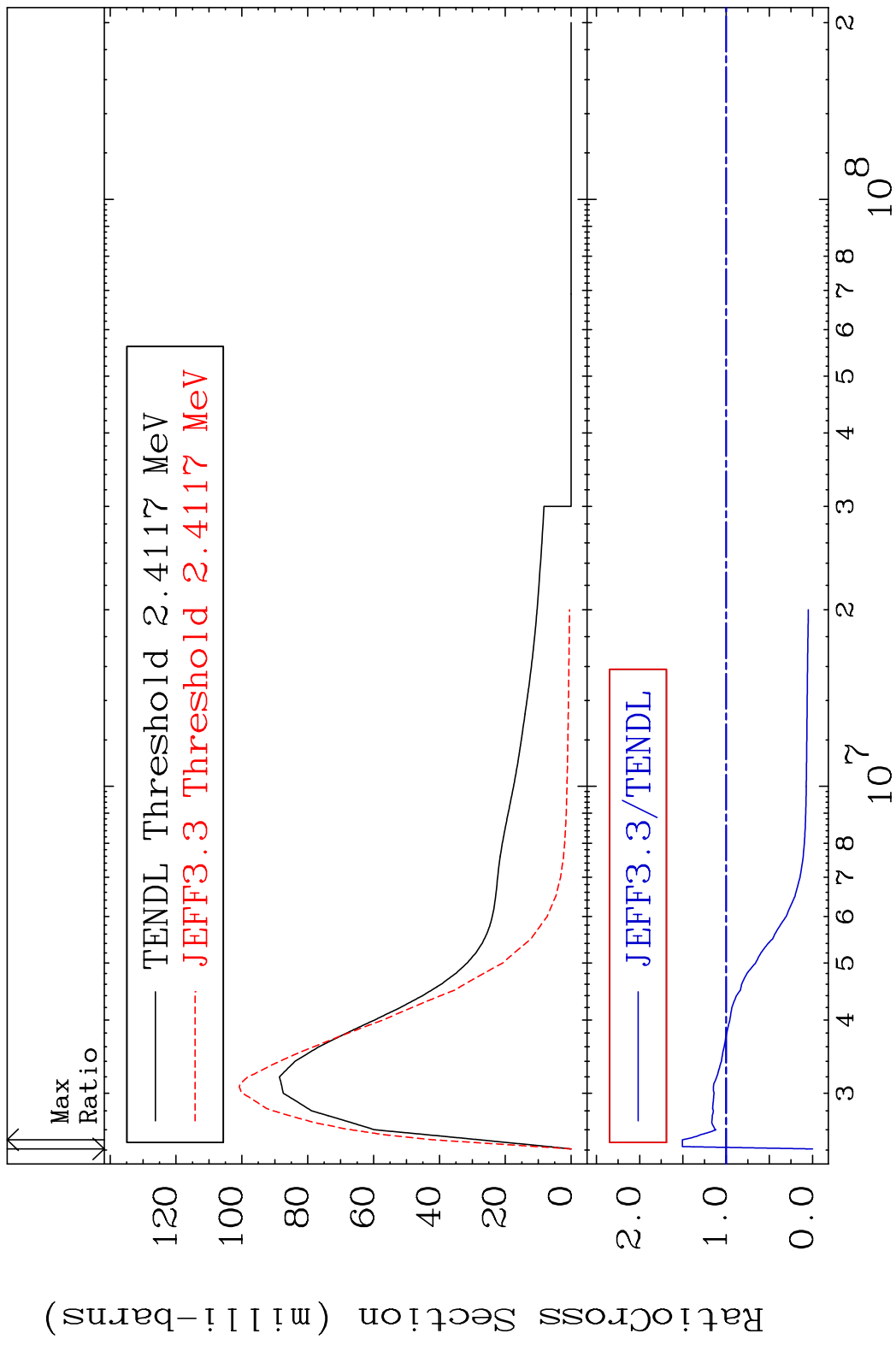
MAT 5037 MT= 56 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 70.60 %



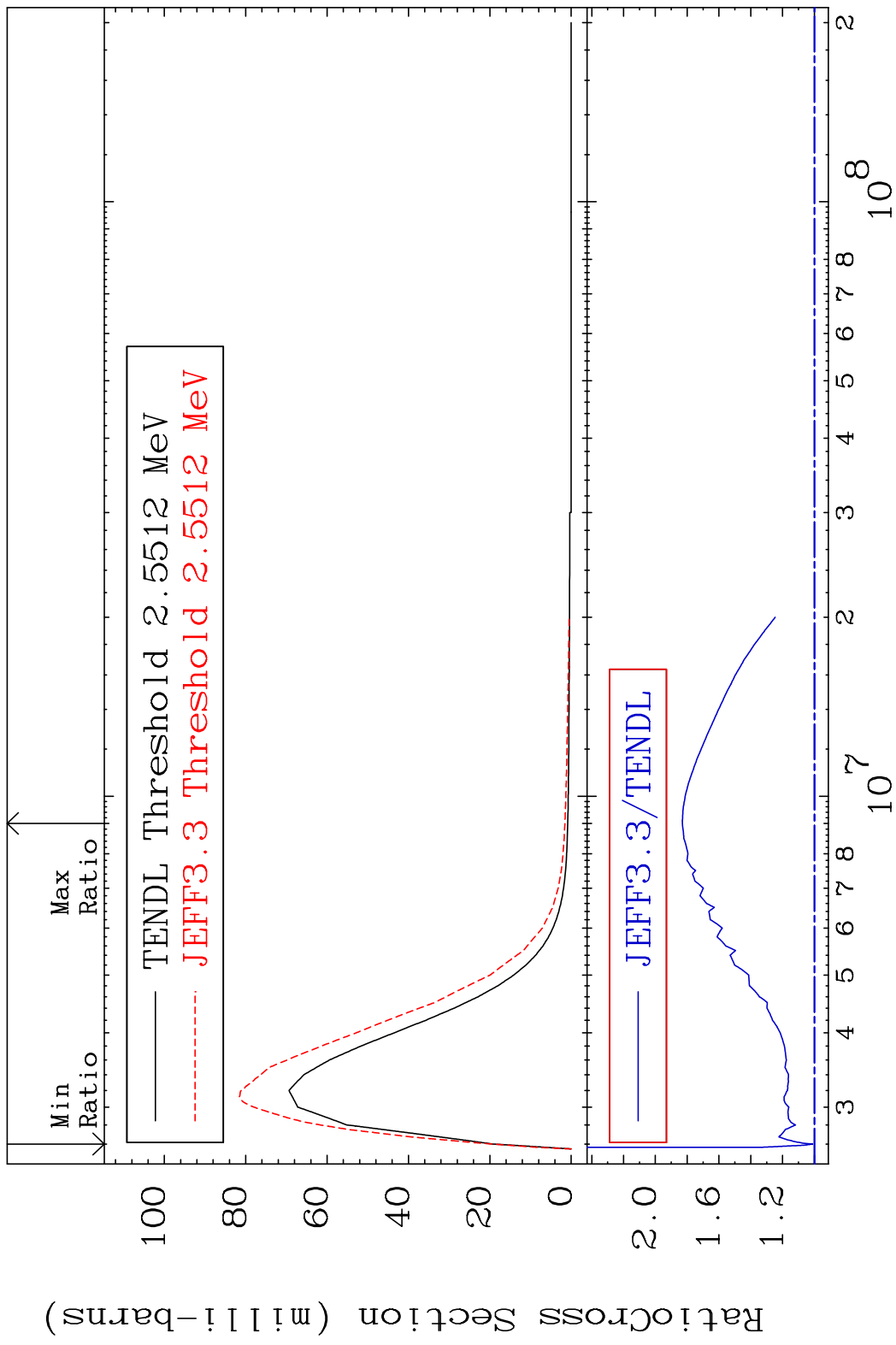
MAT 5037 MT= 57 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 150.3 %



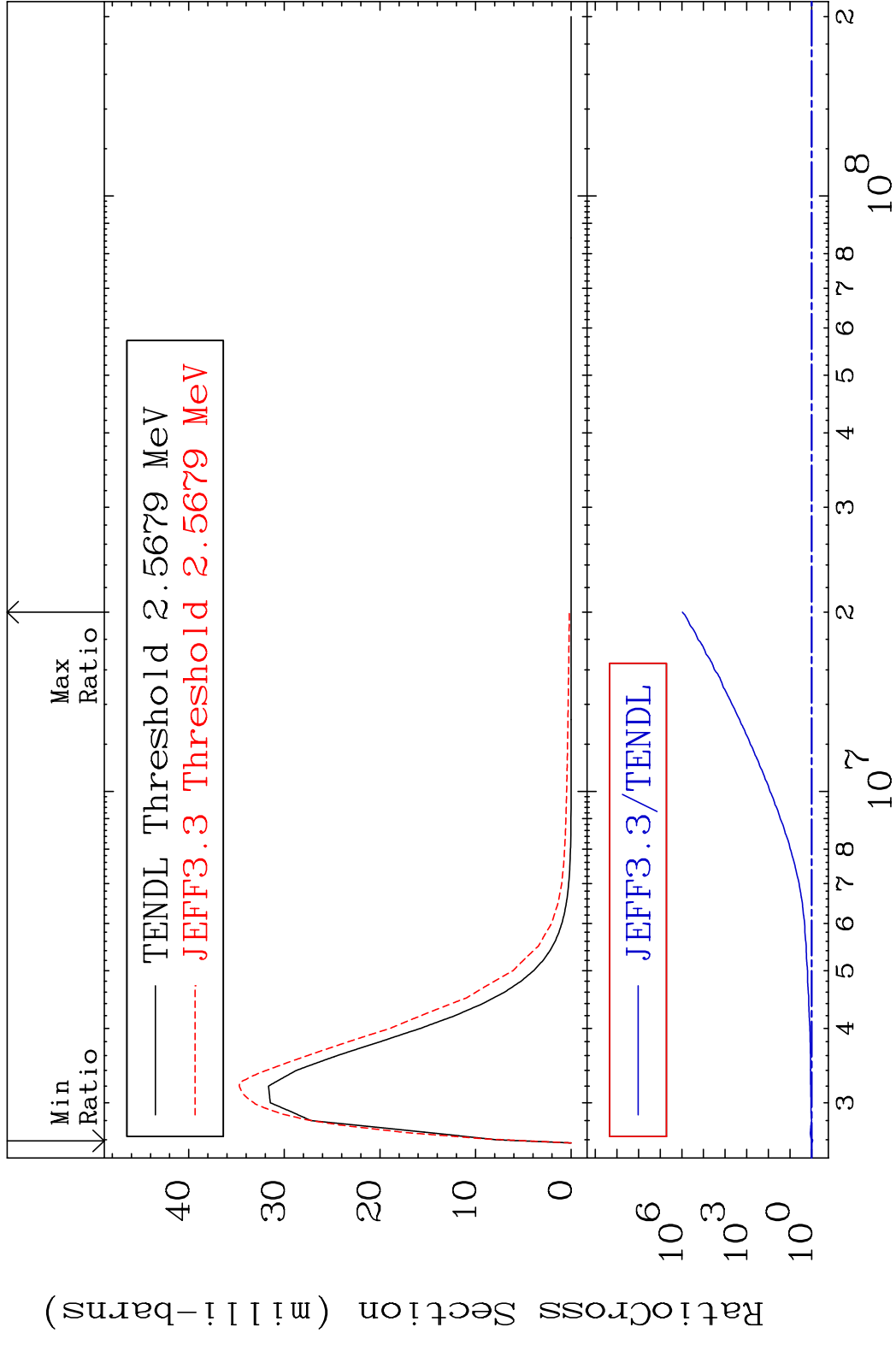
MAT 5037 MT= 58 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 50.63 %



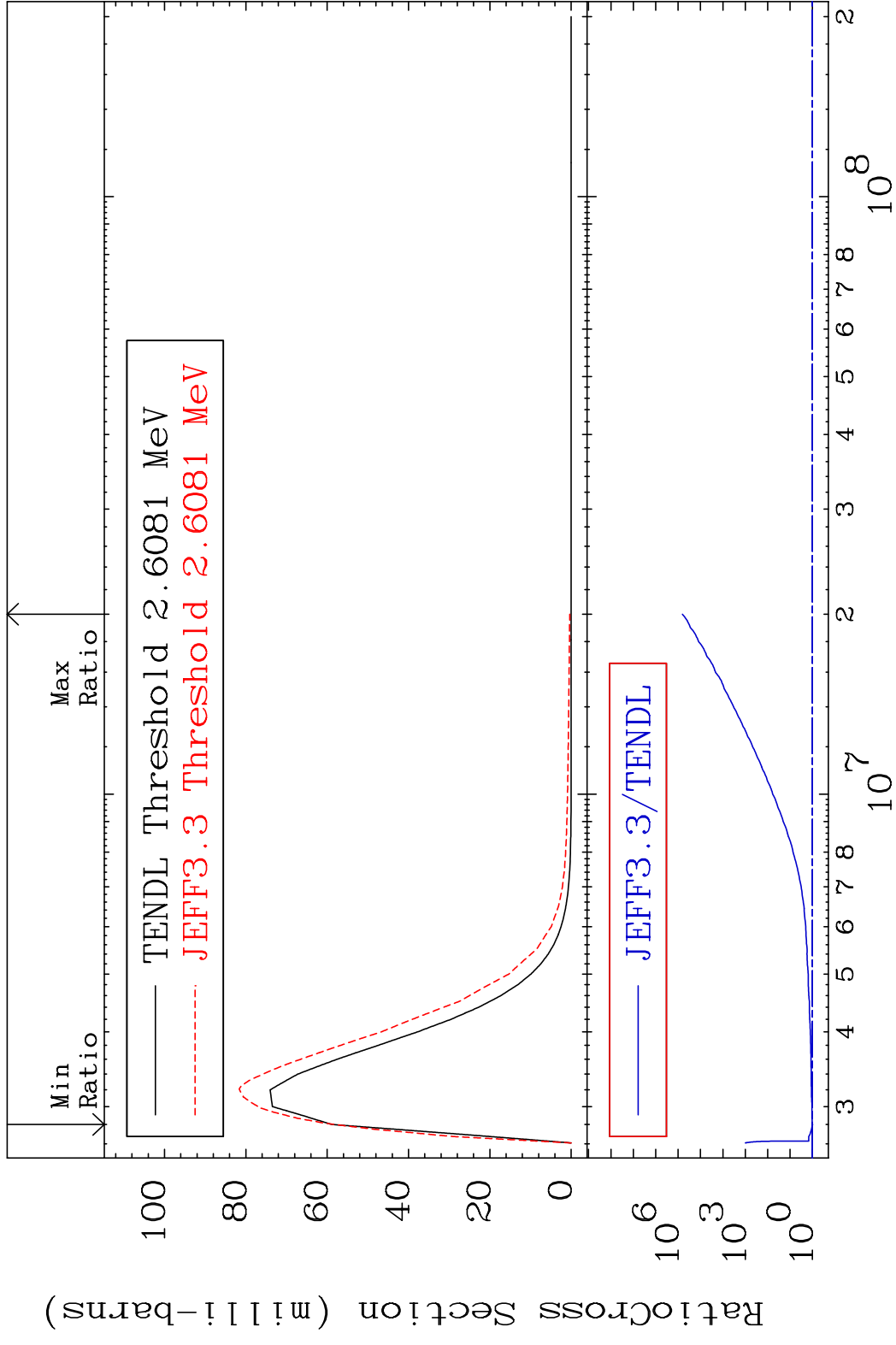
MAT 5037 MT= 59 (n, n') Level 50-Sn-116
 Cross Section 1.134 To 83.02 %



MAT 5037 MT= 60 (n, n') Level 50-Sn-116
 Cross Section -9.560 To 9999. %



MAT 5037 MT= 61 (n,n') Level 50-Sn-116
 Cross Section -1.213 To 9999. %

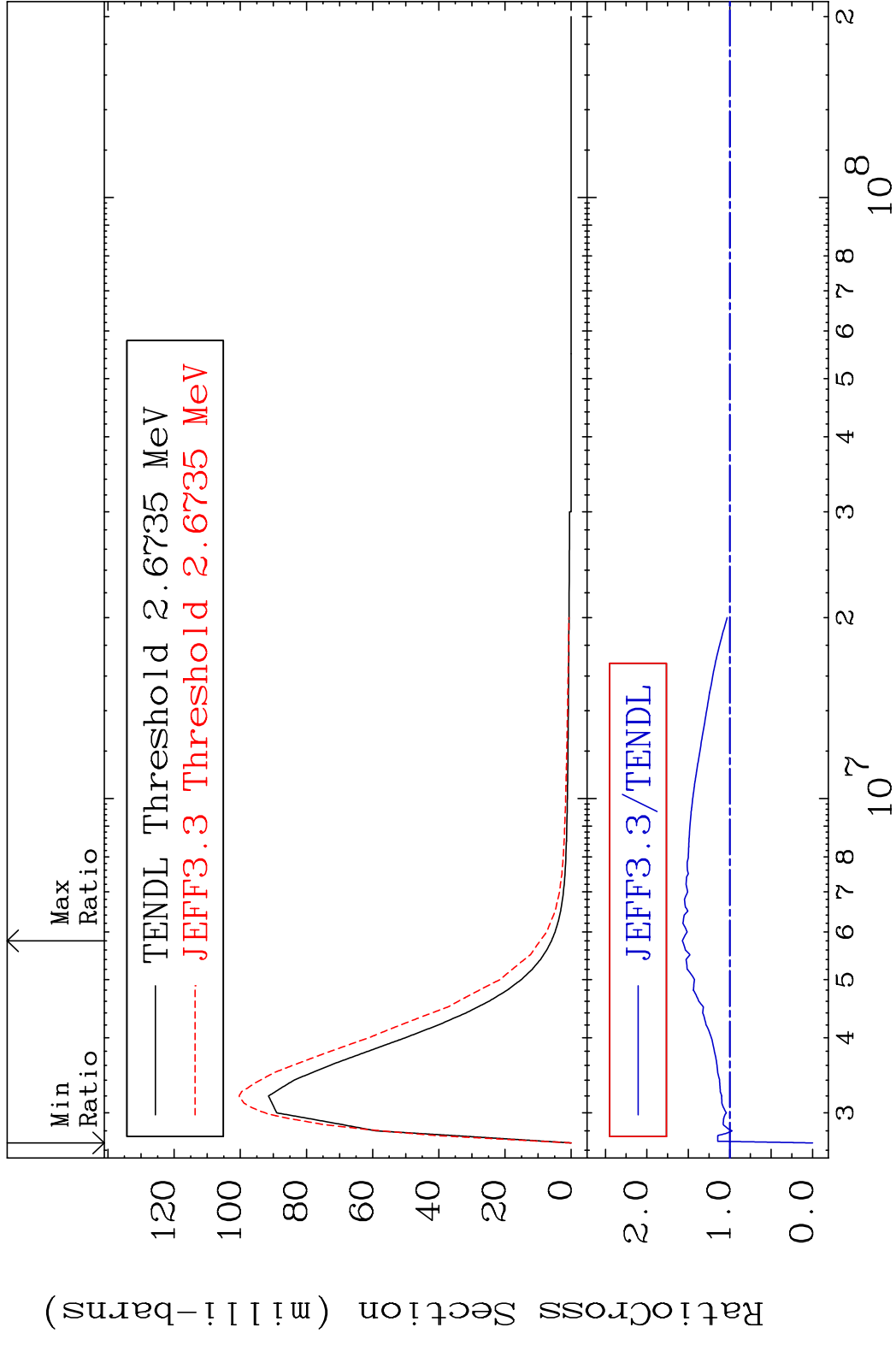


MAT 5037

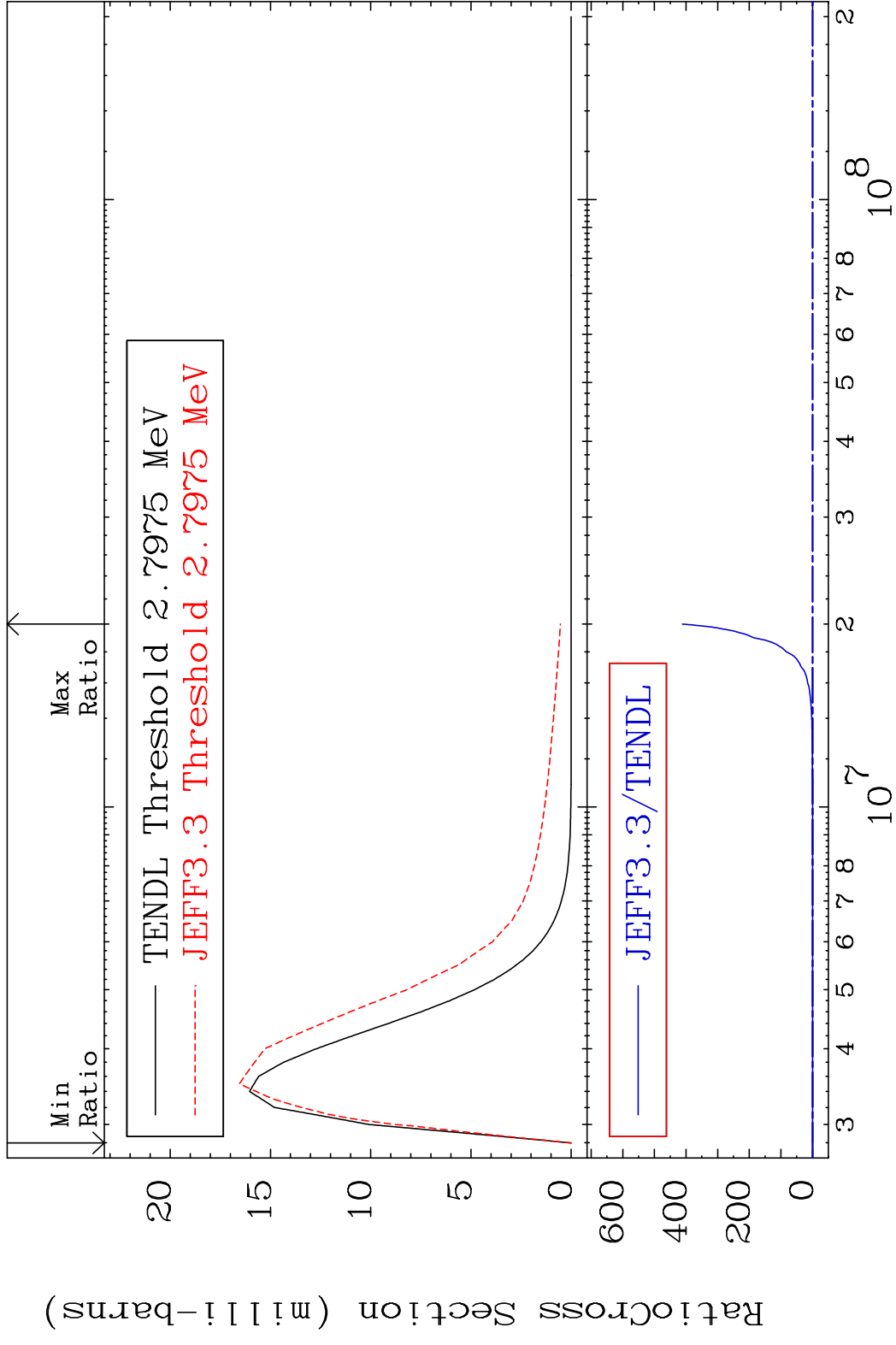
MT= 62 (n, n') Level

50-Sn-116

Cross Section -100.0 To 57.18 %

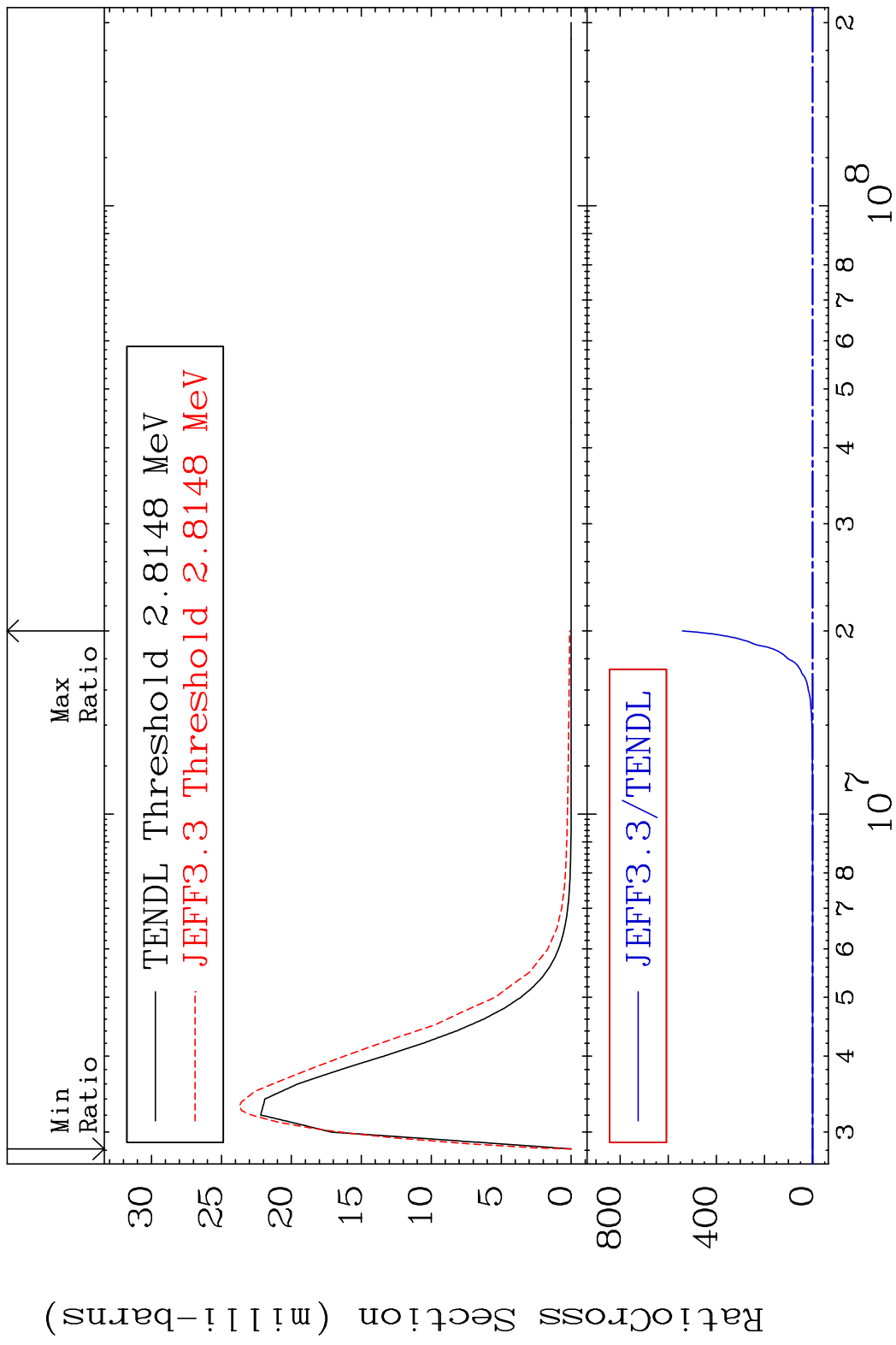


MAT 5037 MT= 63 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 9999. %

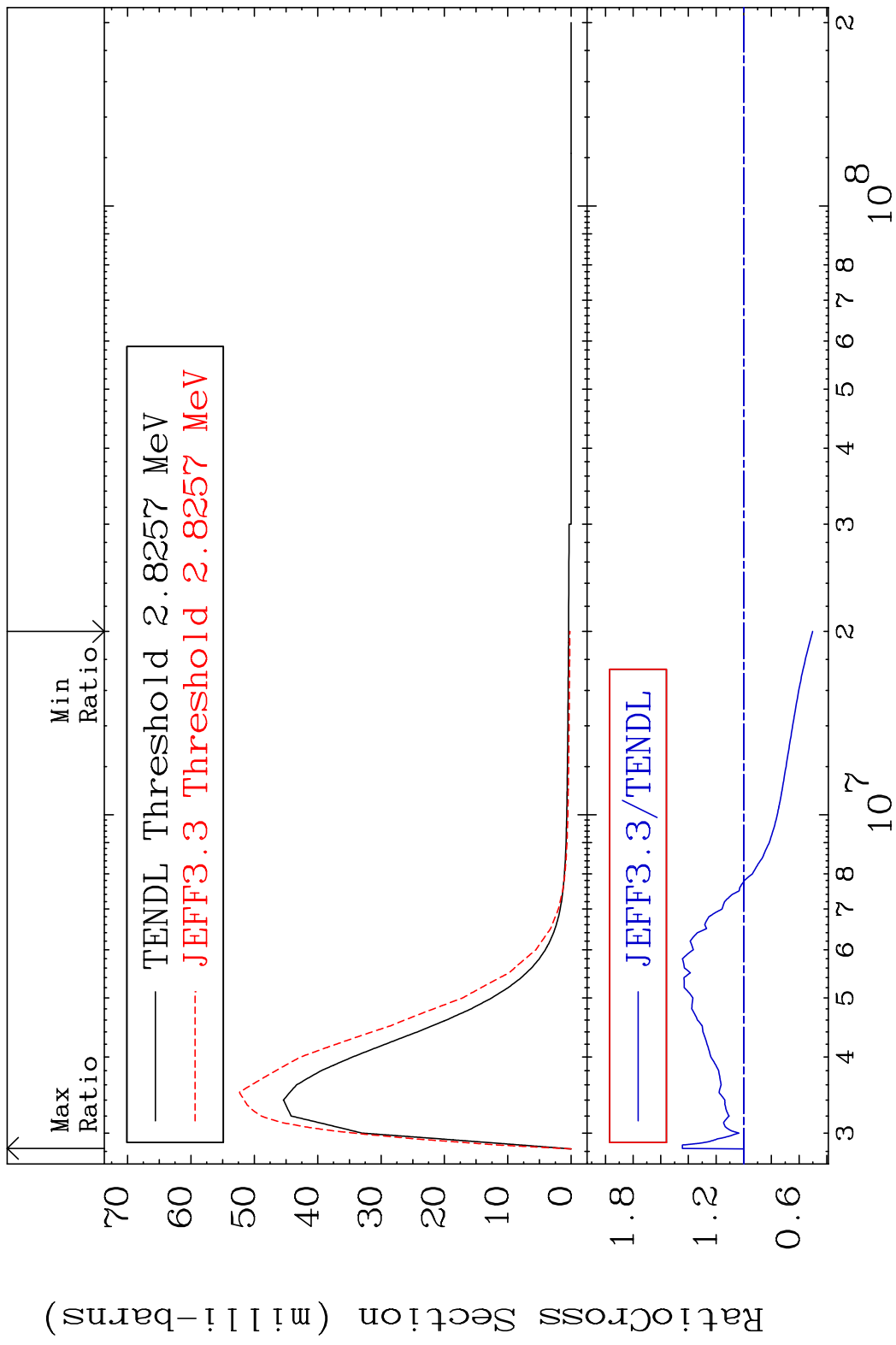


20 Incident Energy (eV) 50-Sn-116

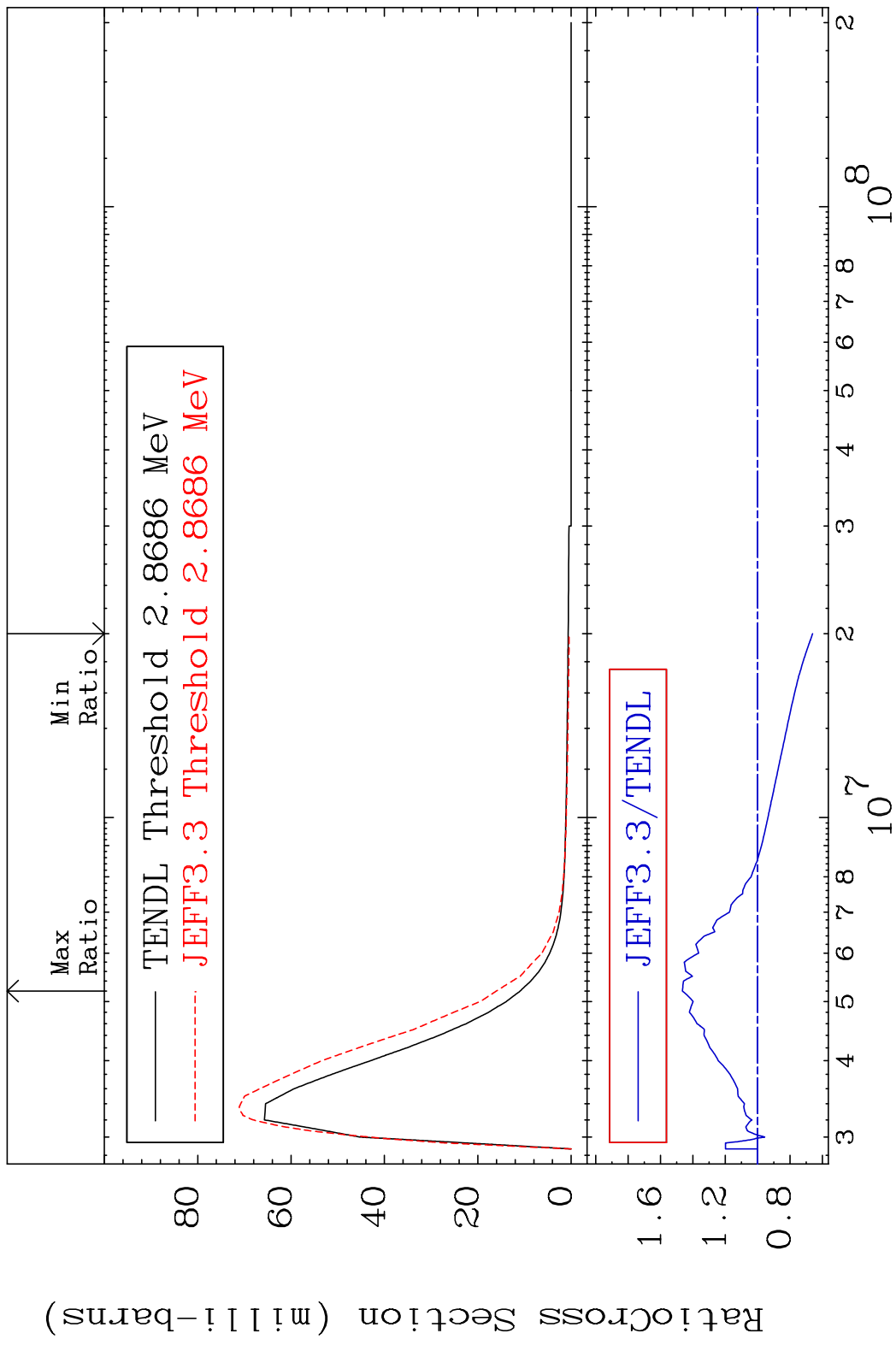
MAT 5037 MT= 64 (n,n') Level 50-Sn-116
 Cross Section -100.0 To 9999. %



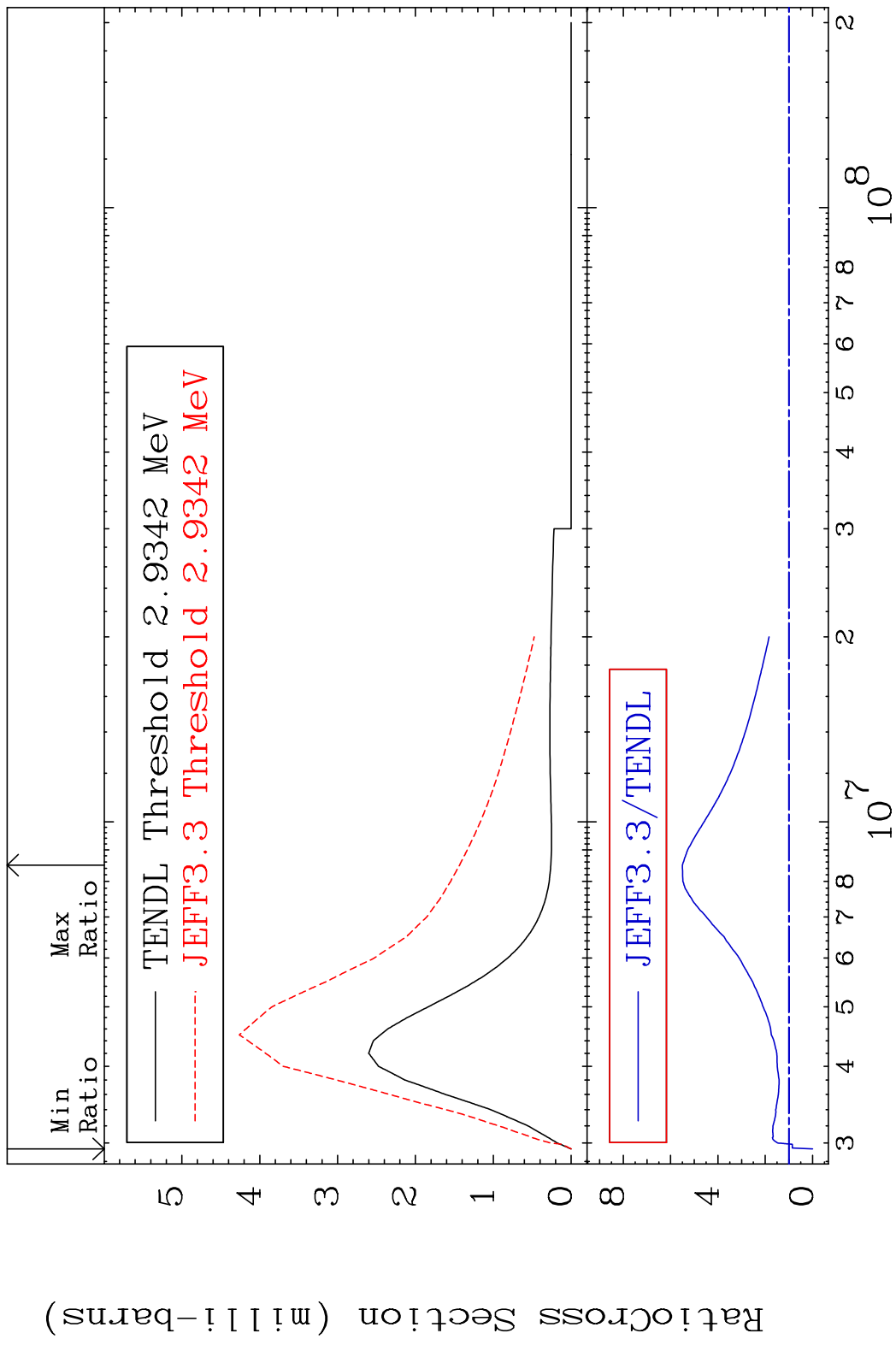
MAT 5037 MT= 65 (n,n') Level 50-Sn-116
 Cross Section -49.77 To 44.37 %



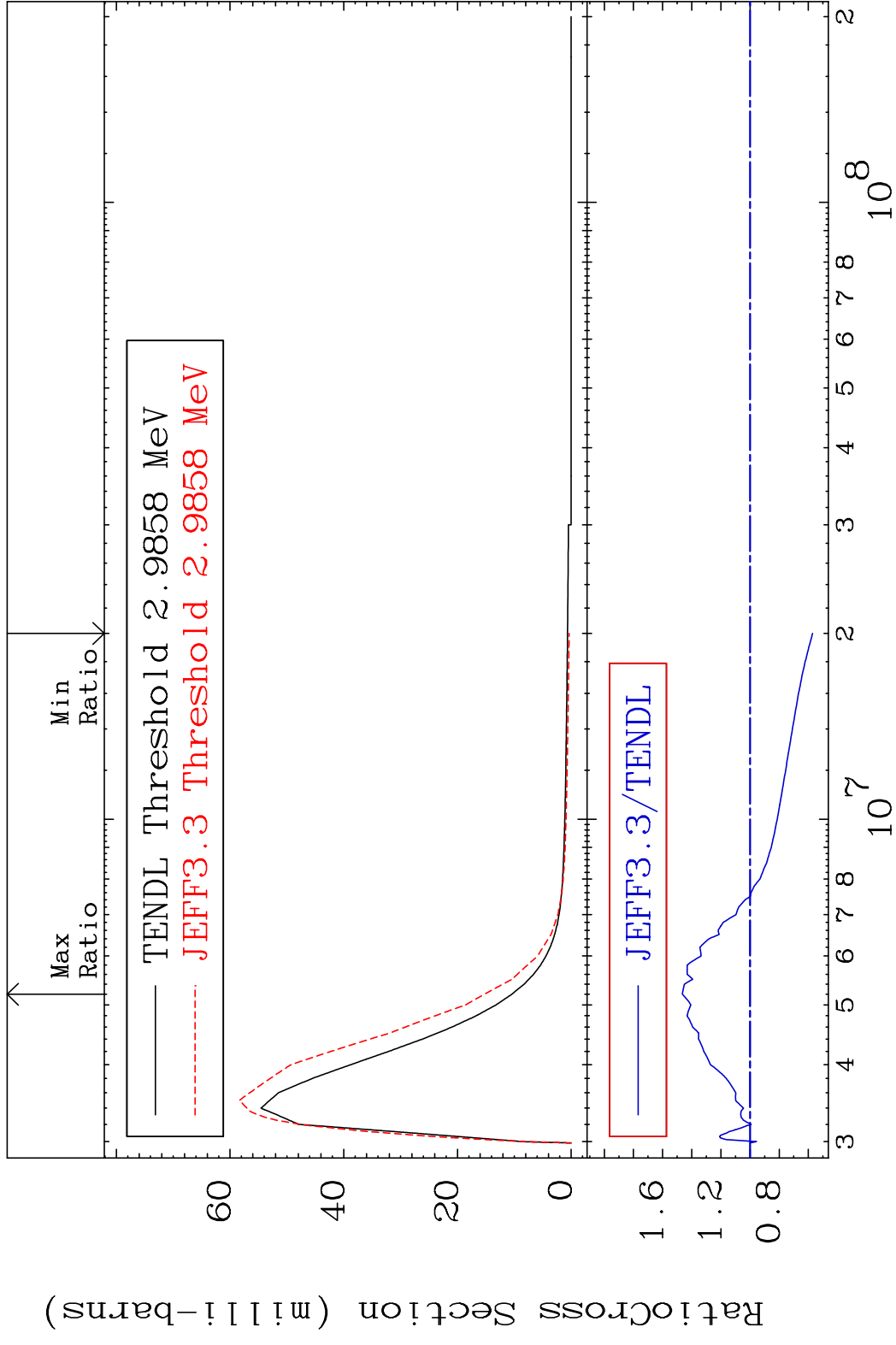
MAT 5037 MT= 66 (n,n') Level 50-Sn-116
 Cross Section -33.95 To 46.47 %



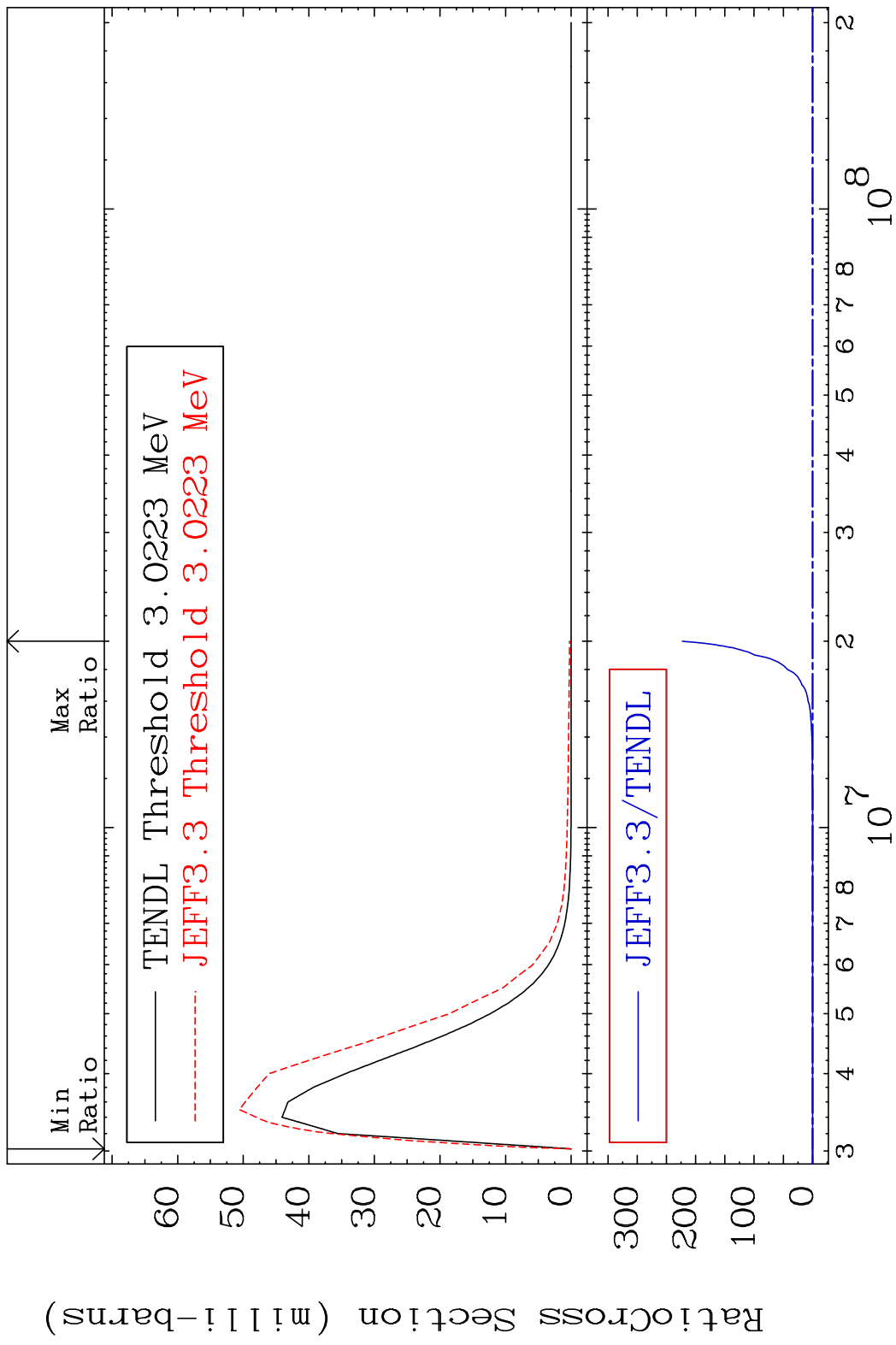
MAT 5037 MT= 67 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 450.4 %



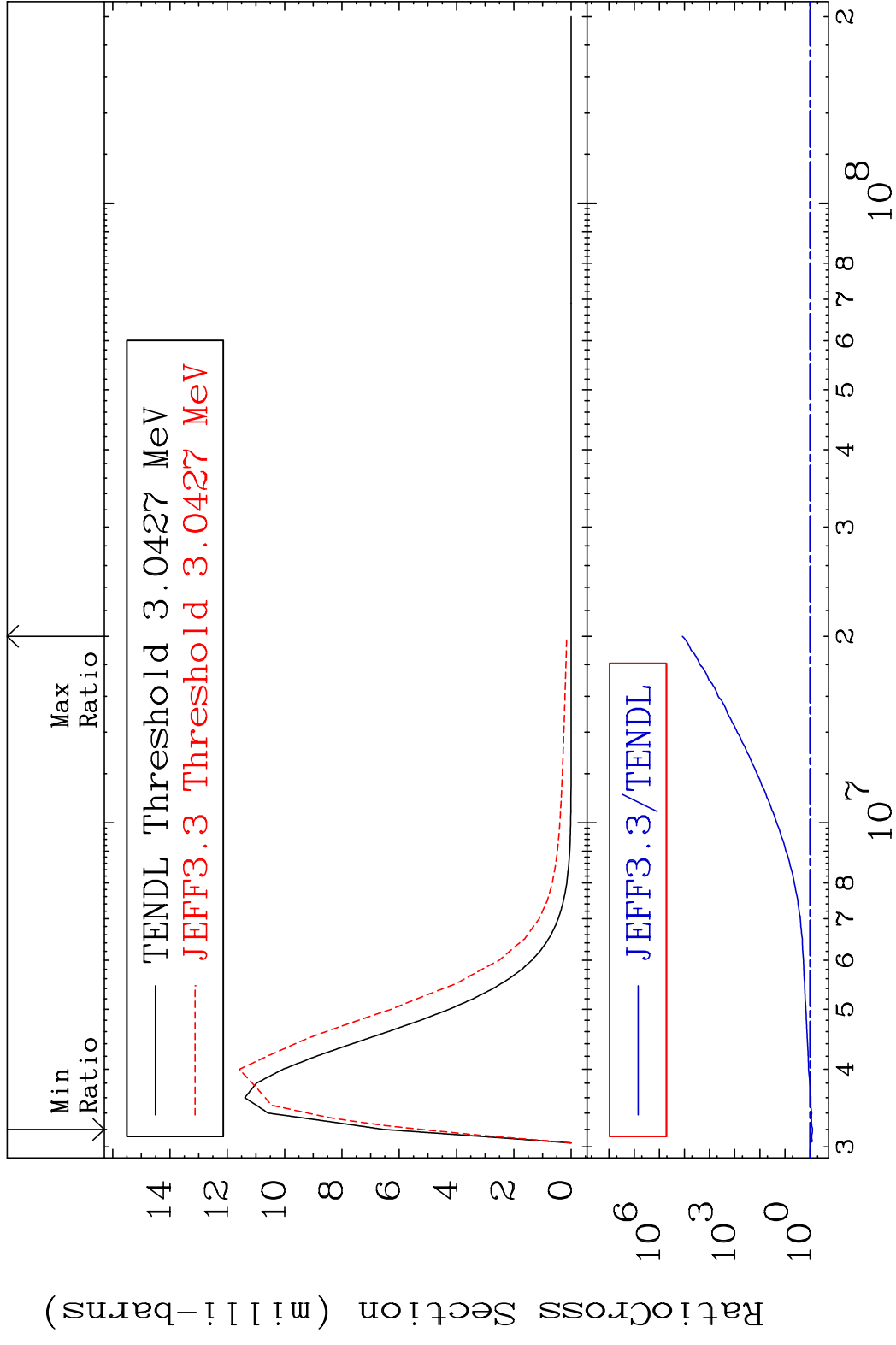
MAT 5037 MT= 68 (n,n') Level 50-Sn-116
 Cross Section -42.88 To 46.46 %



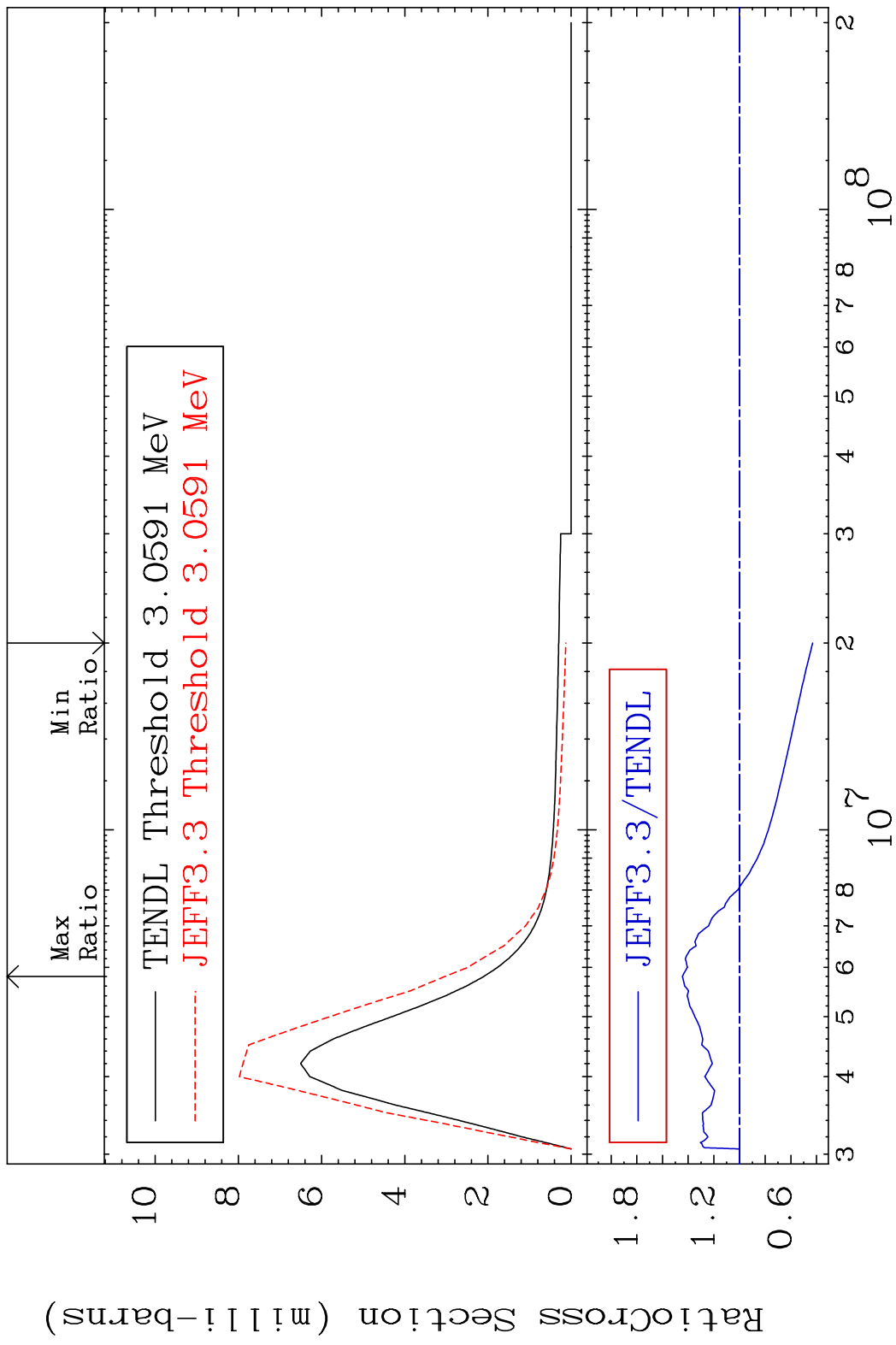
MAT 5037 MT= 69 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 9999. %



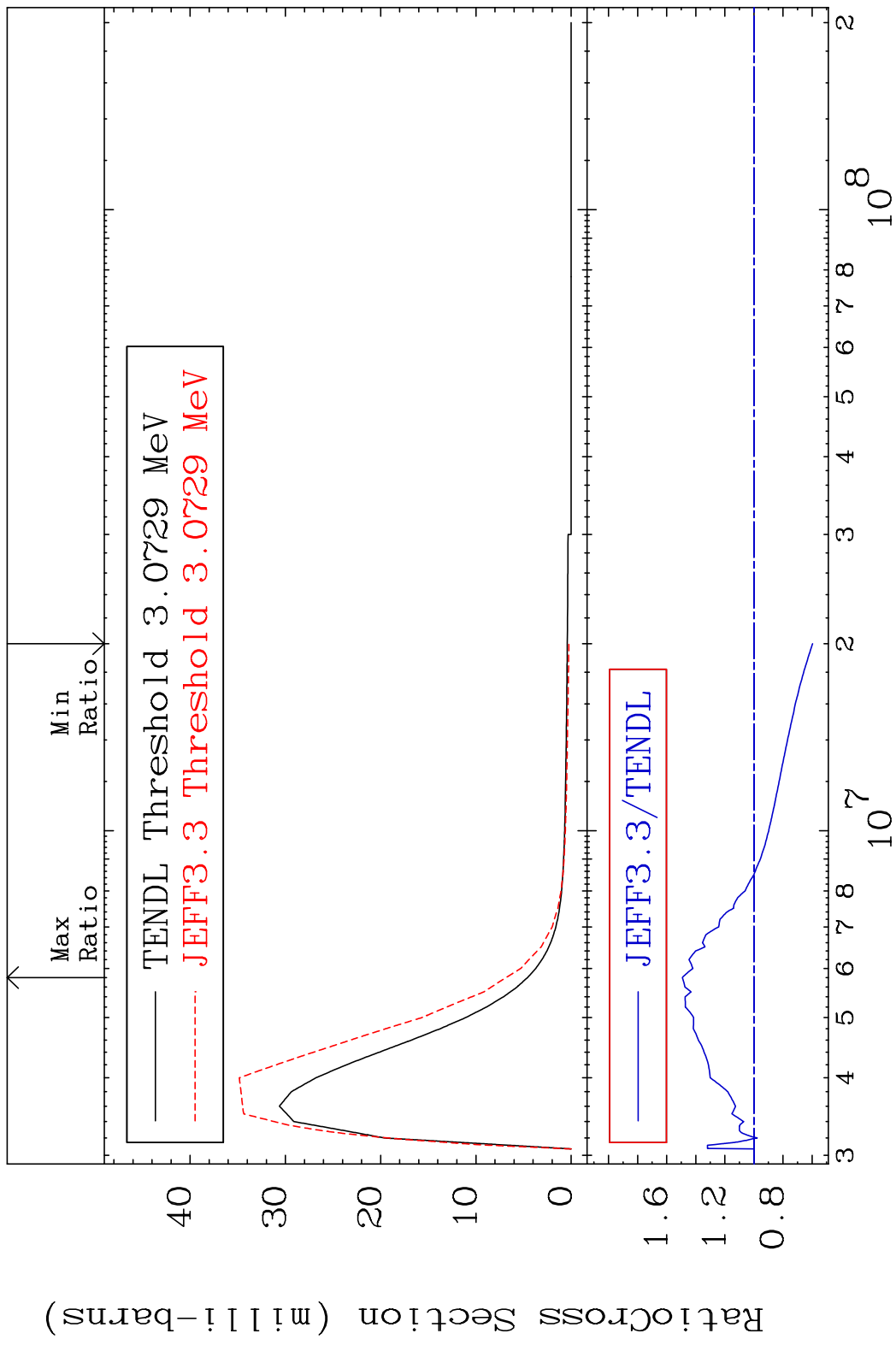
MAT 5037 MT= 70 (n,n') Level 50-Sn-116
 Cross Section -20.04 To 9999. %



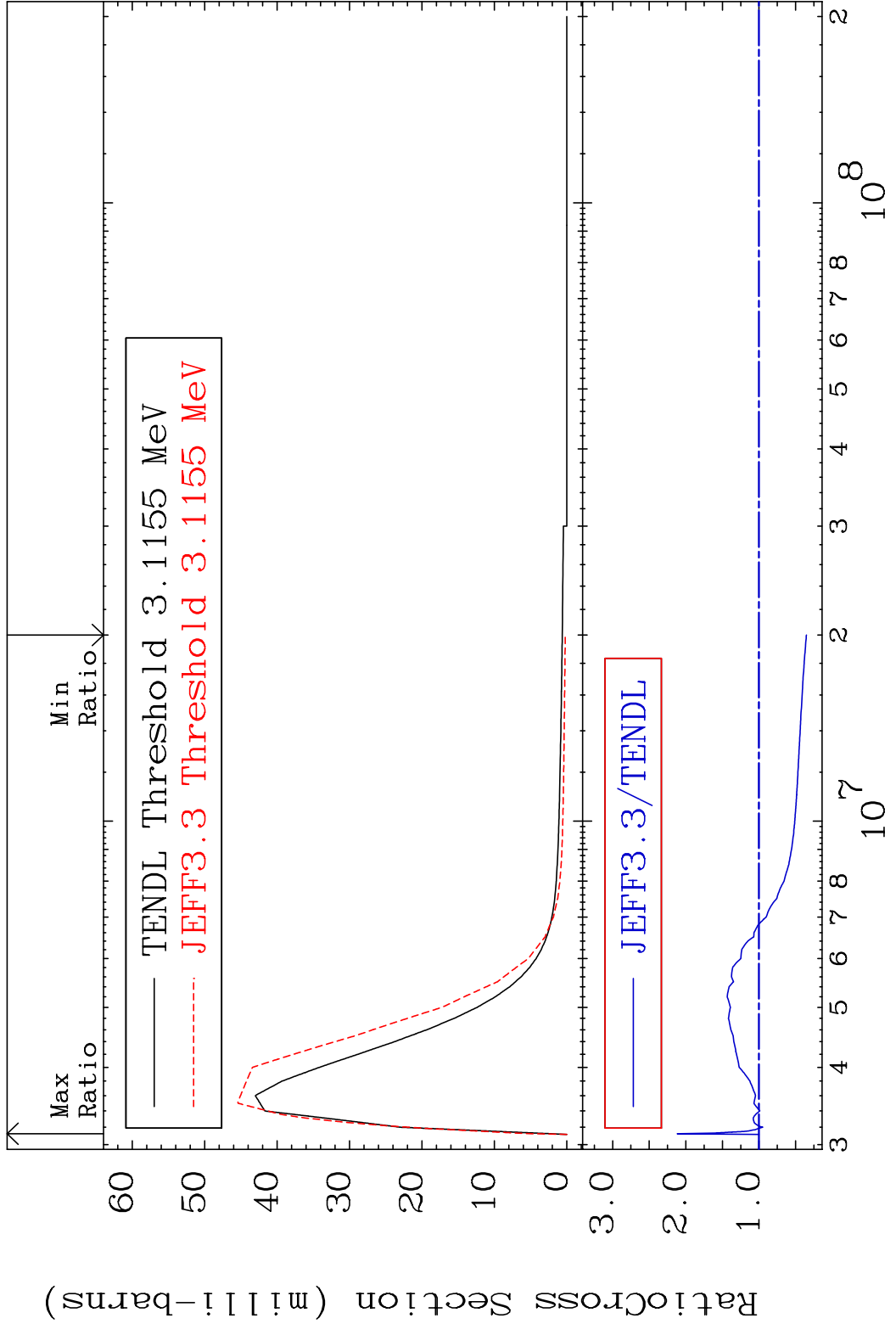
MAT 5037 MT= 71 (n,n') Level 50-Sn-116
 Cross Section -56.90 To 44.53 %



MAT 5037 MT= 72 (n, n') Level 50-Sn-116
 Cross Section -40.33 To 49.22 %



MAT 5037 MT= 73 (n,n') Level 50-Sn-116
 Cross Section -64.76 To 111.8 %



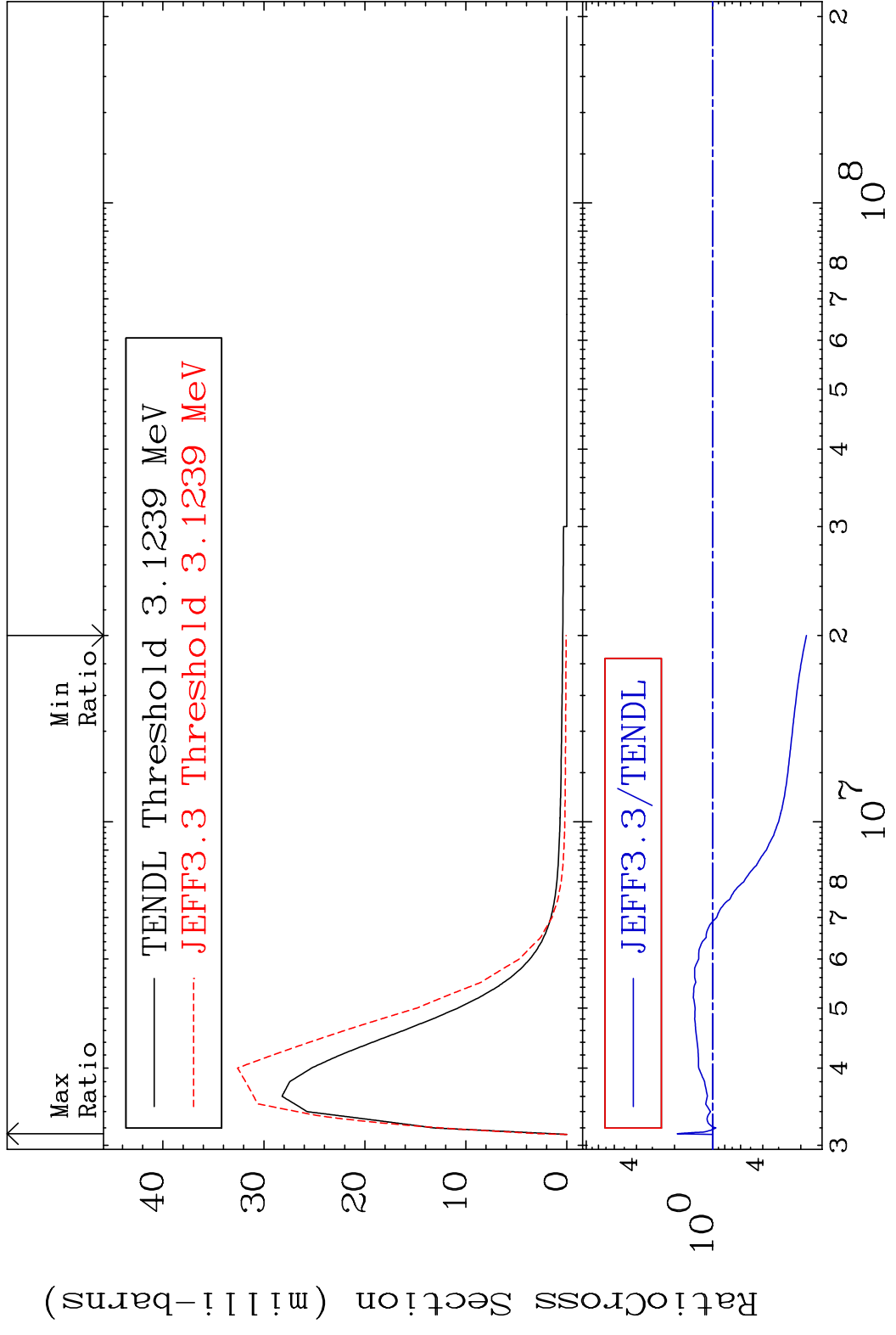
30 Incident Energy (eV) 50-Sn-116

MAT 5037

MT= 74 (n,n') Level

50-Sn-116

Cross Section -81.92 To 90.71 %

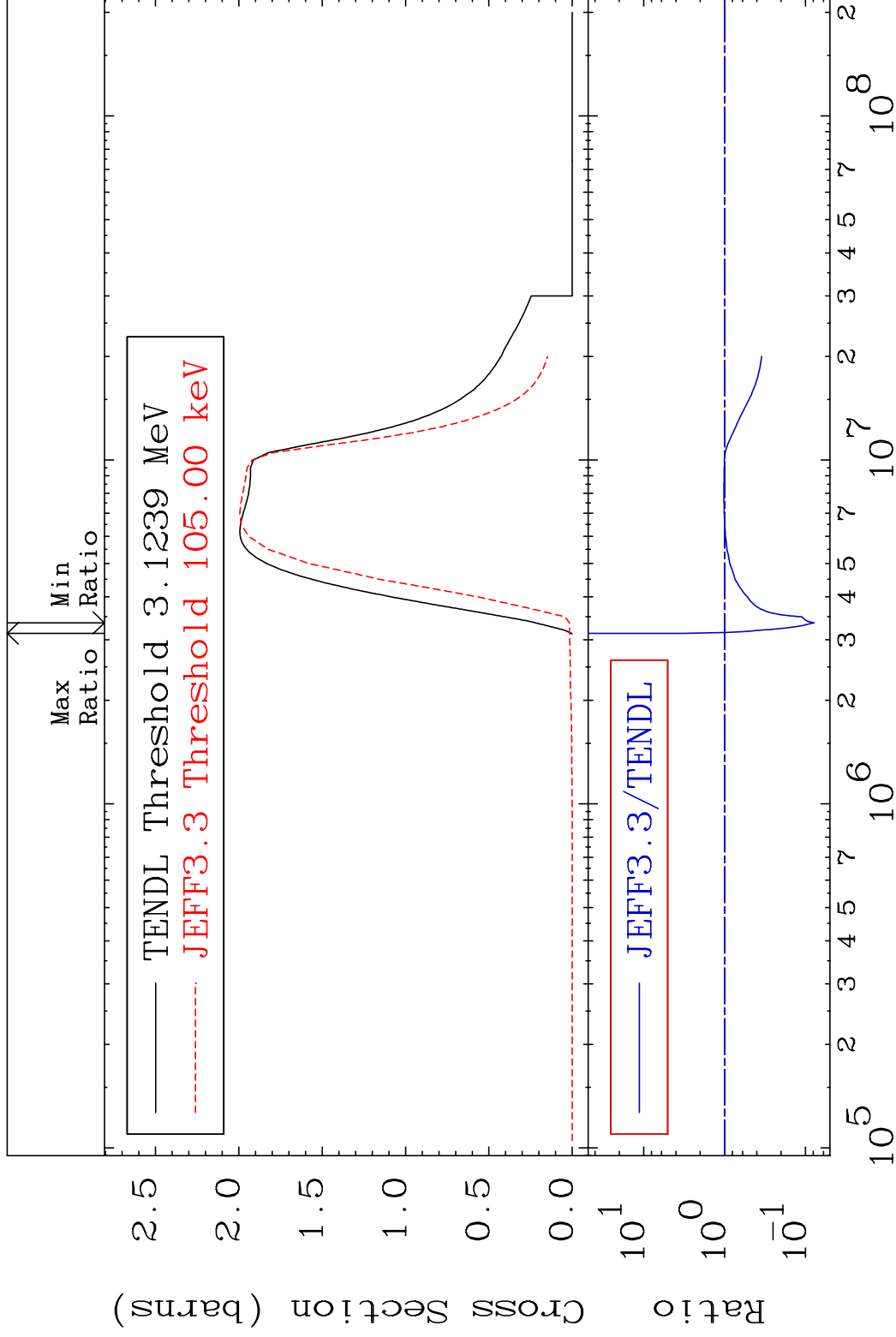


MAT 5037

(n, n') Continuum

50-Sn-116

Cross Section -92.18 To 220.5 %



32

Incident Energy (eV)

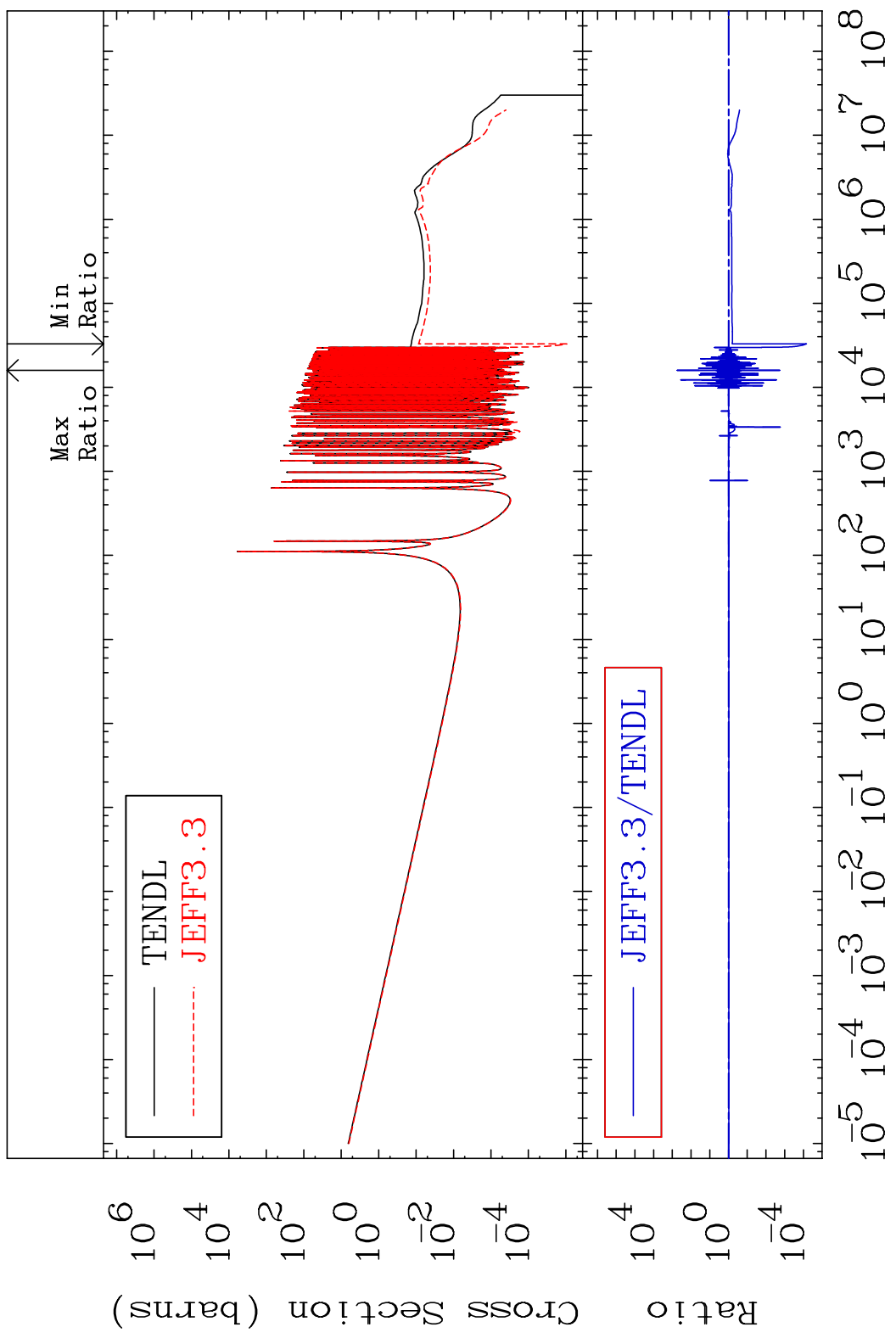
50-Sn-116

MAT 5037

(n, γ)

50-Sn-116

Cross Section -99.99 To 9999. %

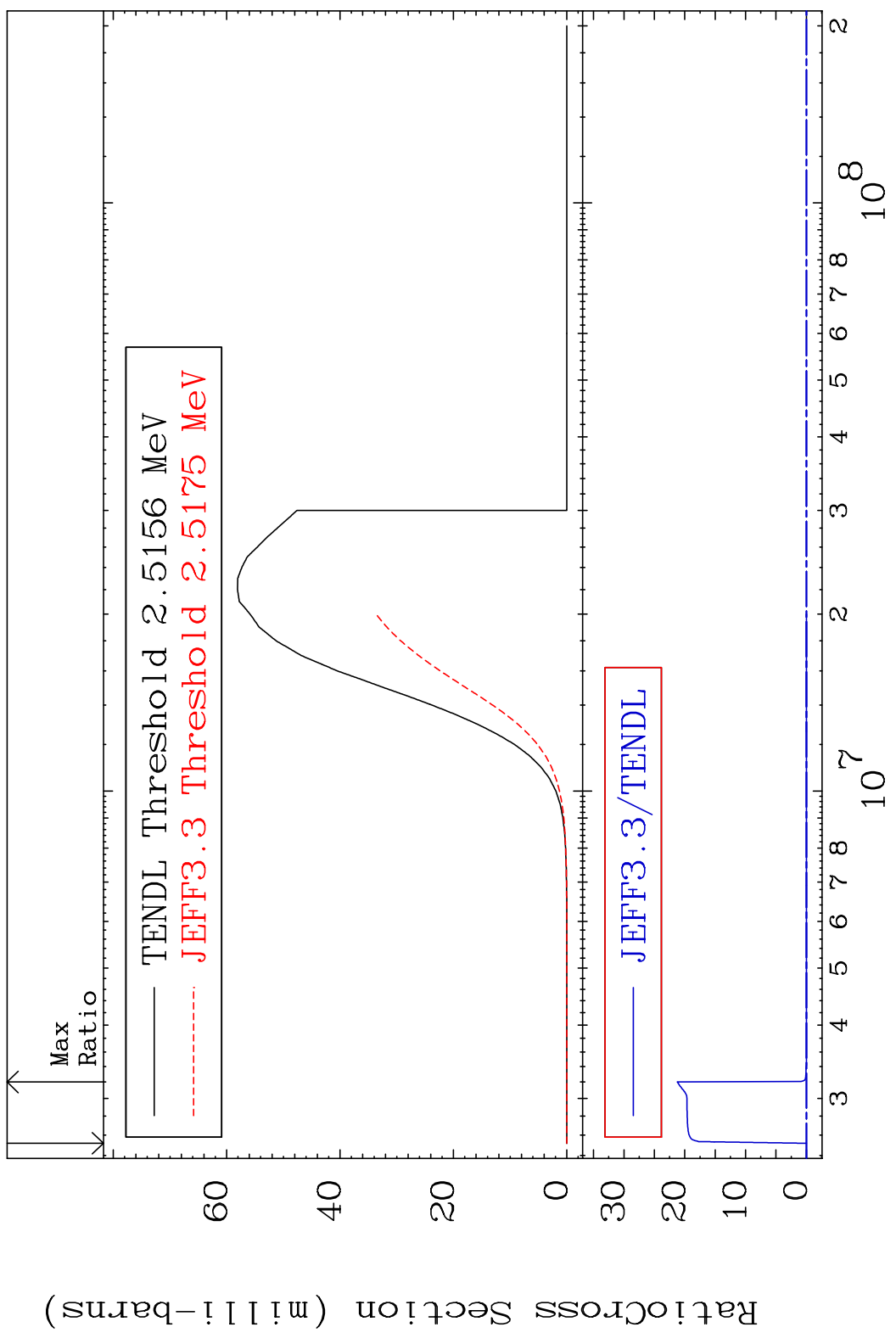


MAT 5037

(n,p)

50-Sn-116

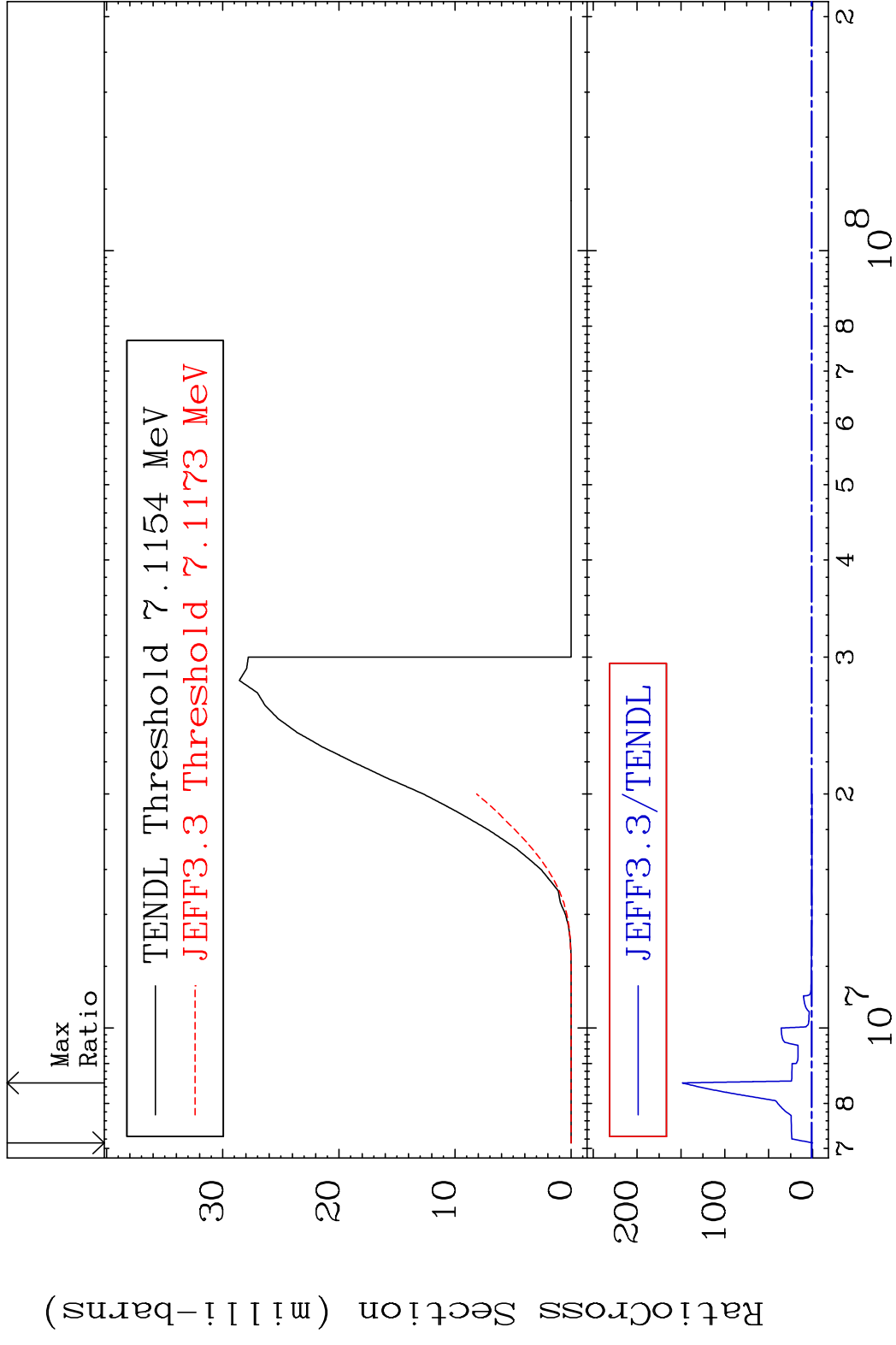
Cross Section -100.0 To 9999. %



MAT 5037

(n,d) 50-Sn-116

Cross Section -100.0 To 9999. %



35

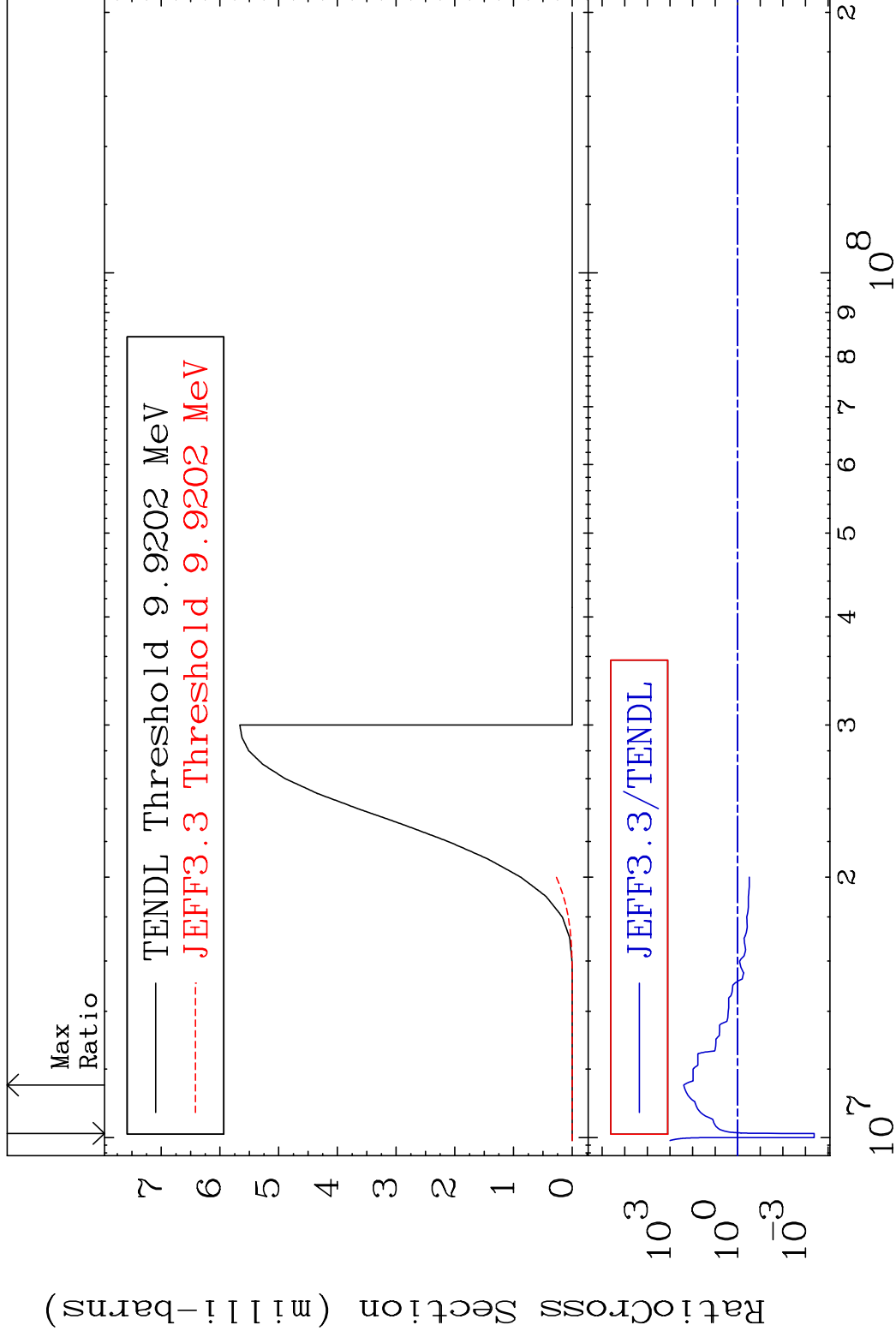
50-Sn-116

MAT 5037

(n, t)

50-Sn-116

Cross Section -99.96 To 9999. %

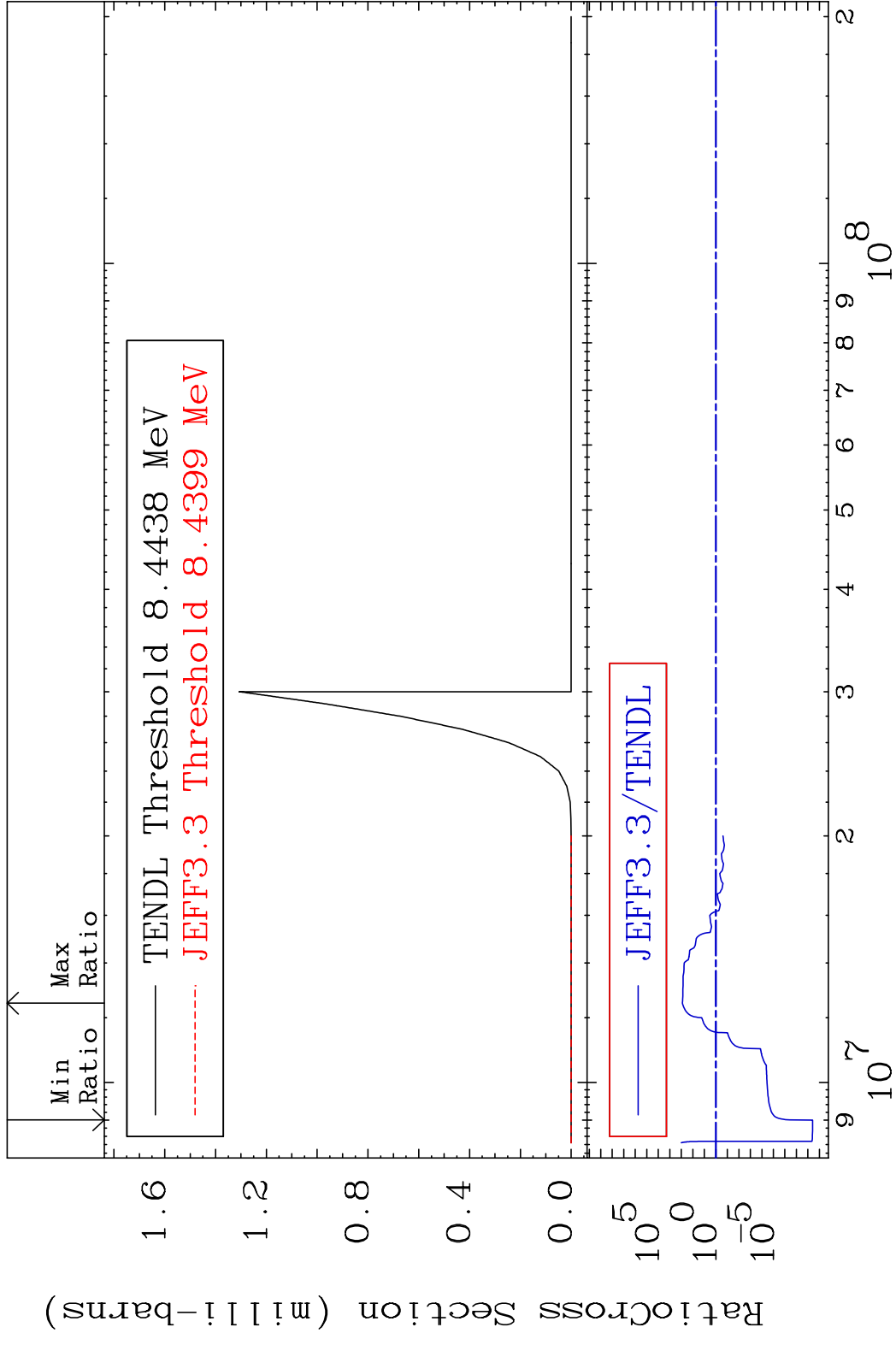


36

Incident Energy (eV)

50-Sn-116

MAT 5037 (n, He-3) 50-Sn-116
 Cross Section -100.0 To 9999. %



37 Incident Energy (eV) 50-Sn-116

MAT 5037

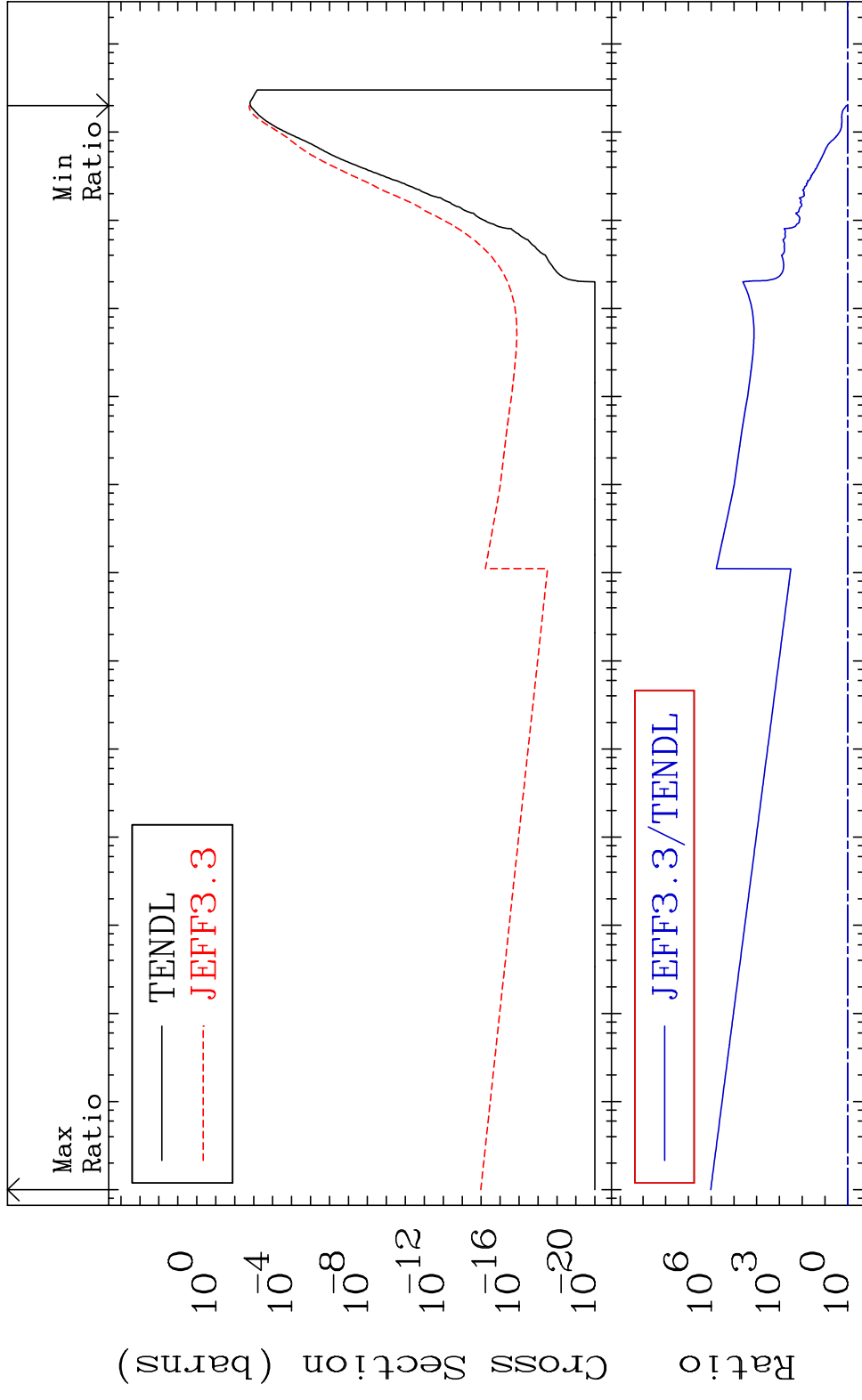
(n, α)

Cross Section

14.73

To 9999. %

50-Sn-116

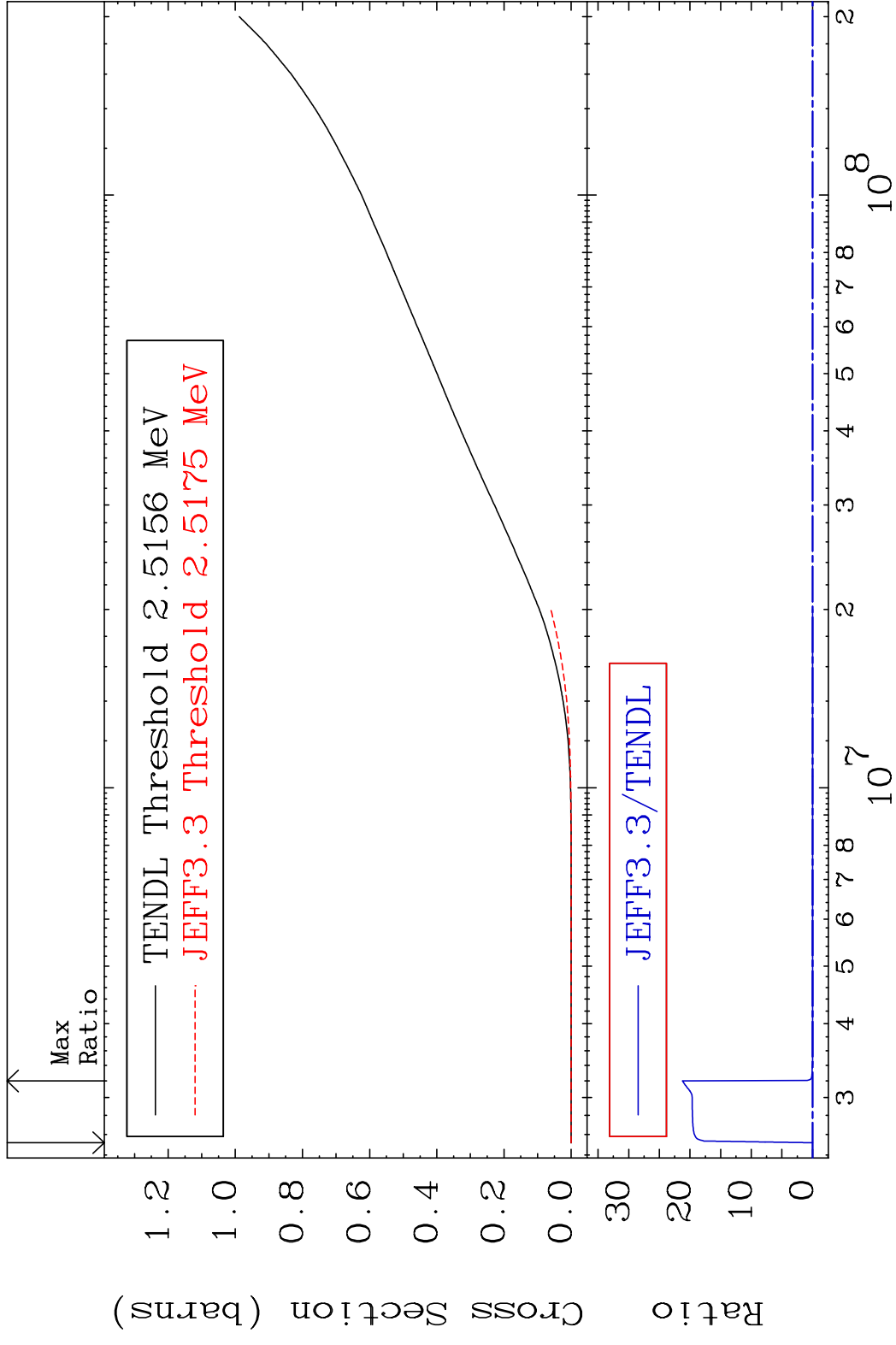


MAT 5037

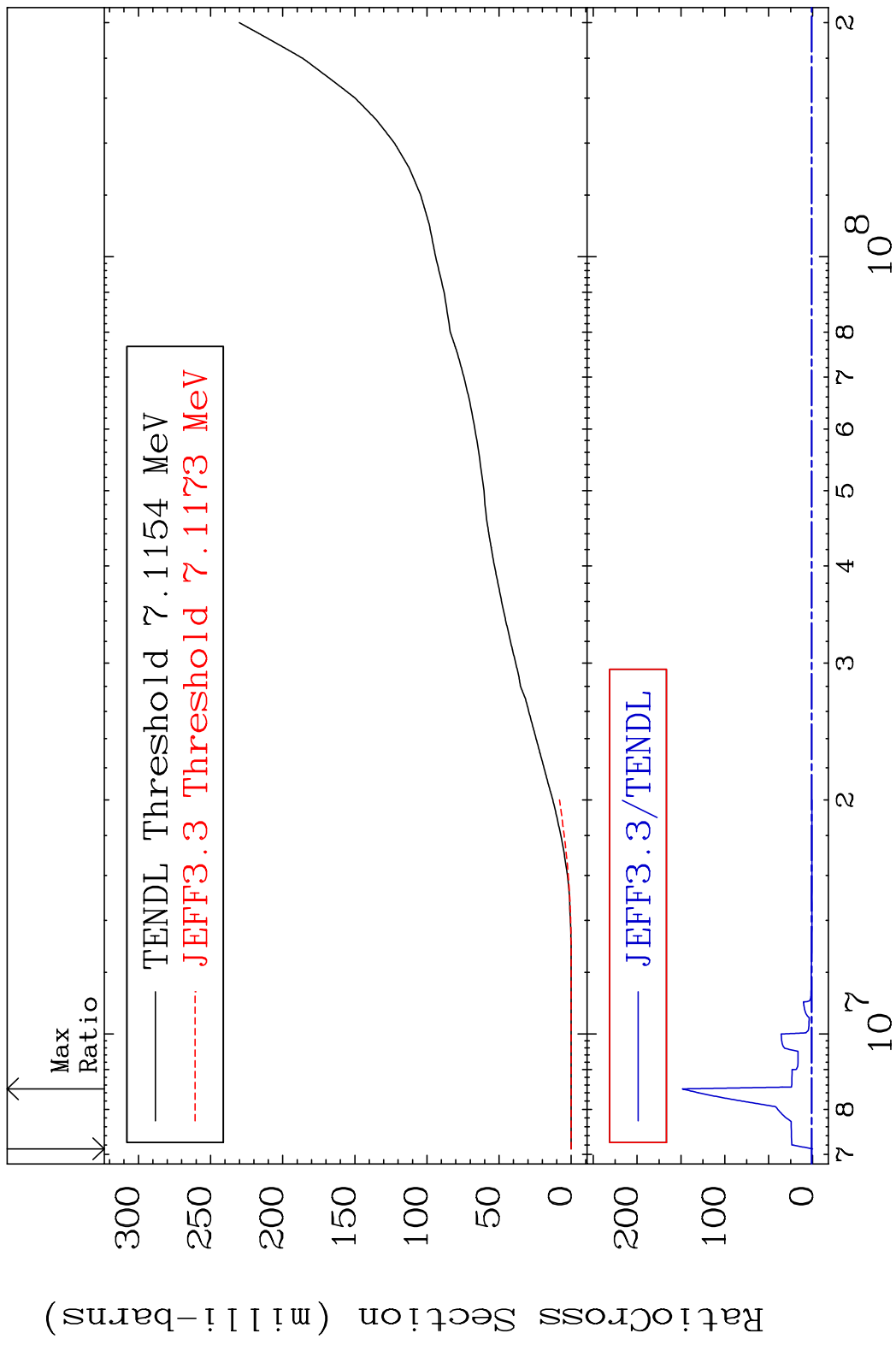
Hydrogen Production

50-Sn-116

Cross Section -100.0 To 9999. %



MAT 5037 Deuterium Production 50-Sn-116
Cross Section -100.0 To 9999. %



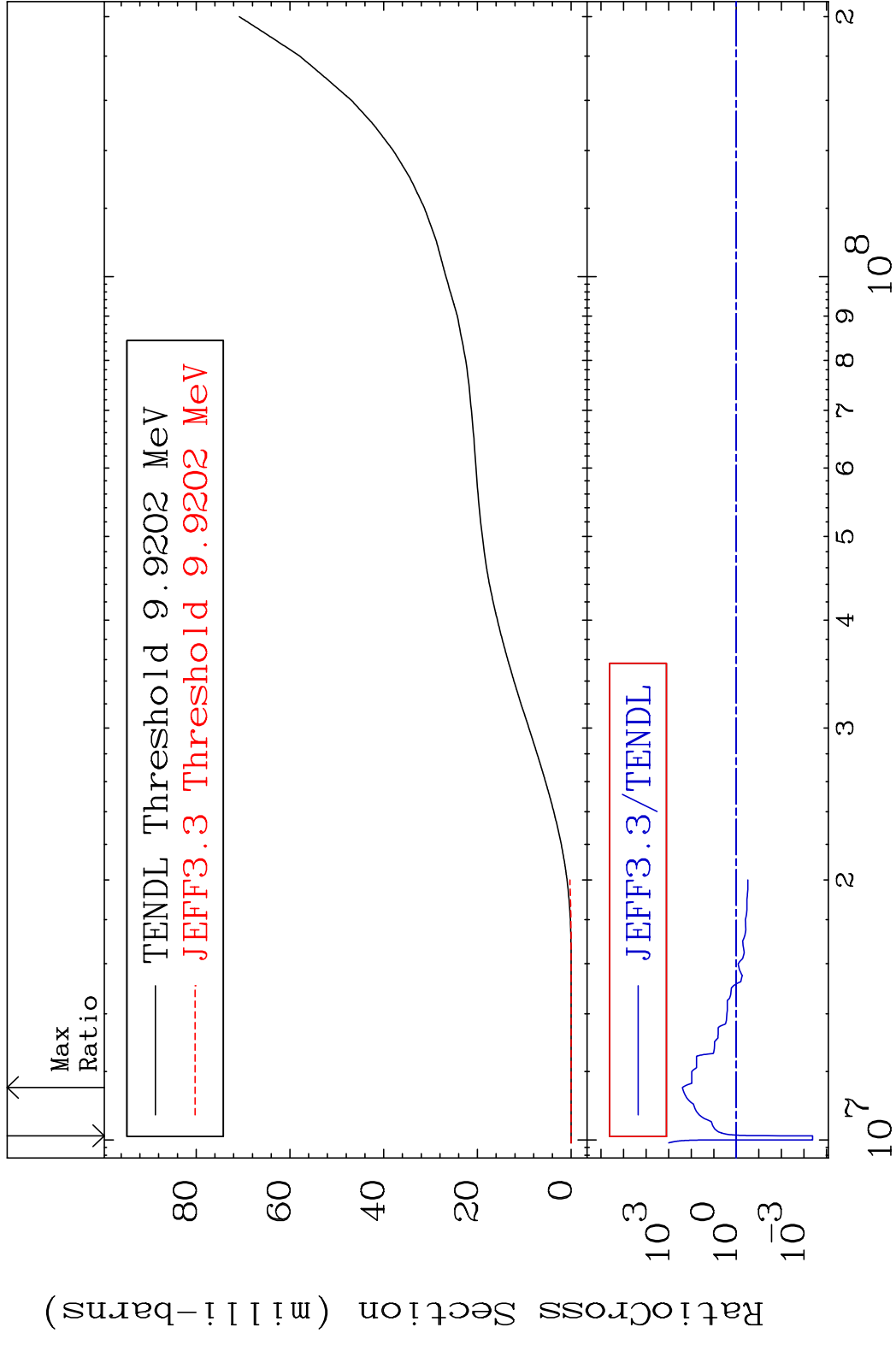
40 2

MAT 5037

Tritium Production

50-Sn-116

Cross Section -99.96 To 9999. %



41

Incident Energy (eV)

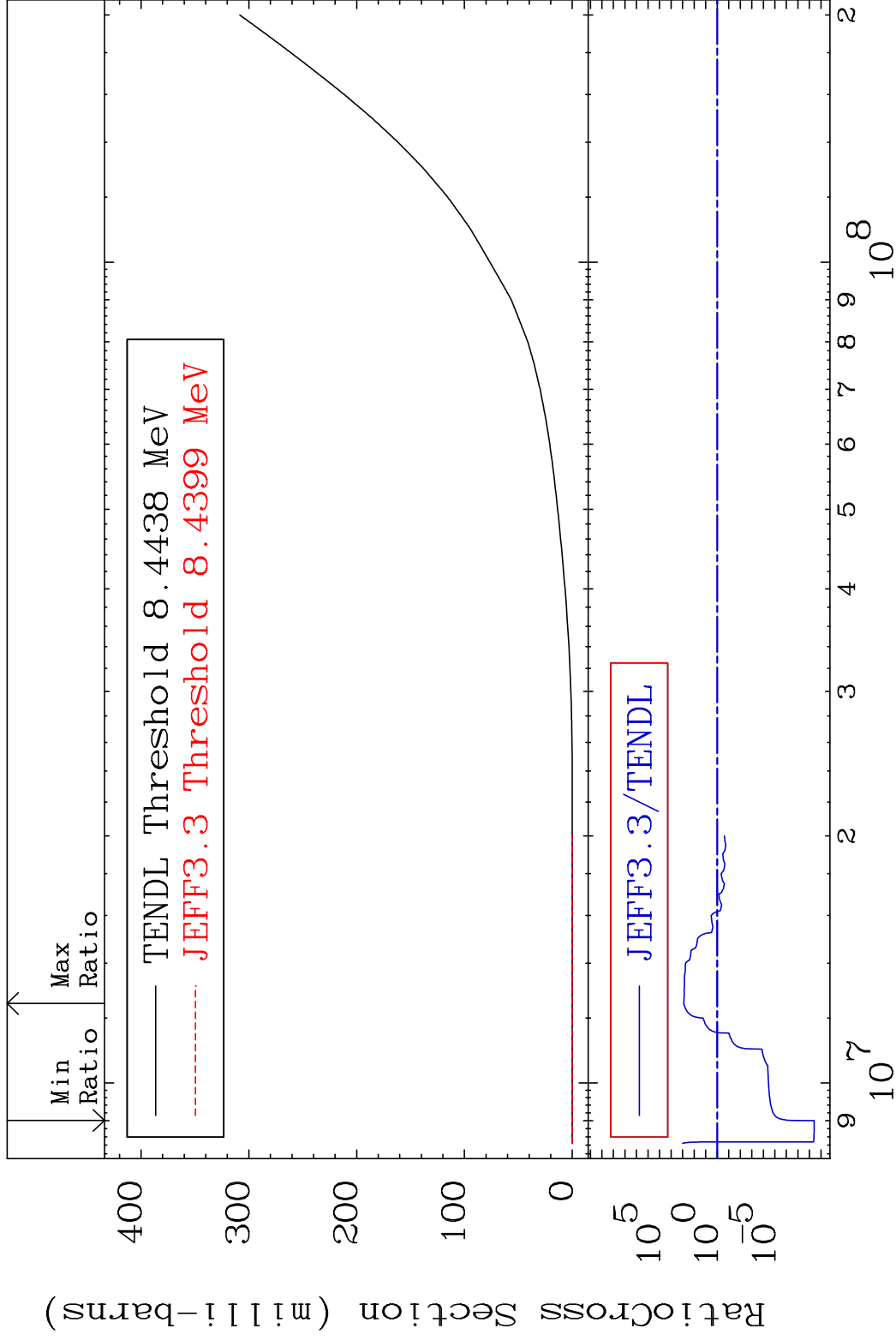
50-Sn-116

MAT 5037

He-3 Production

50-Sn-116

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

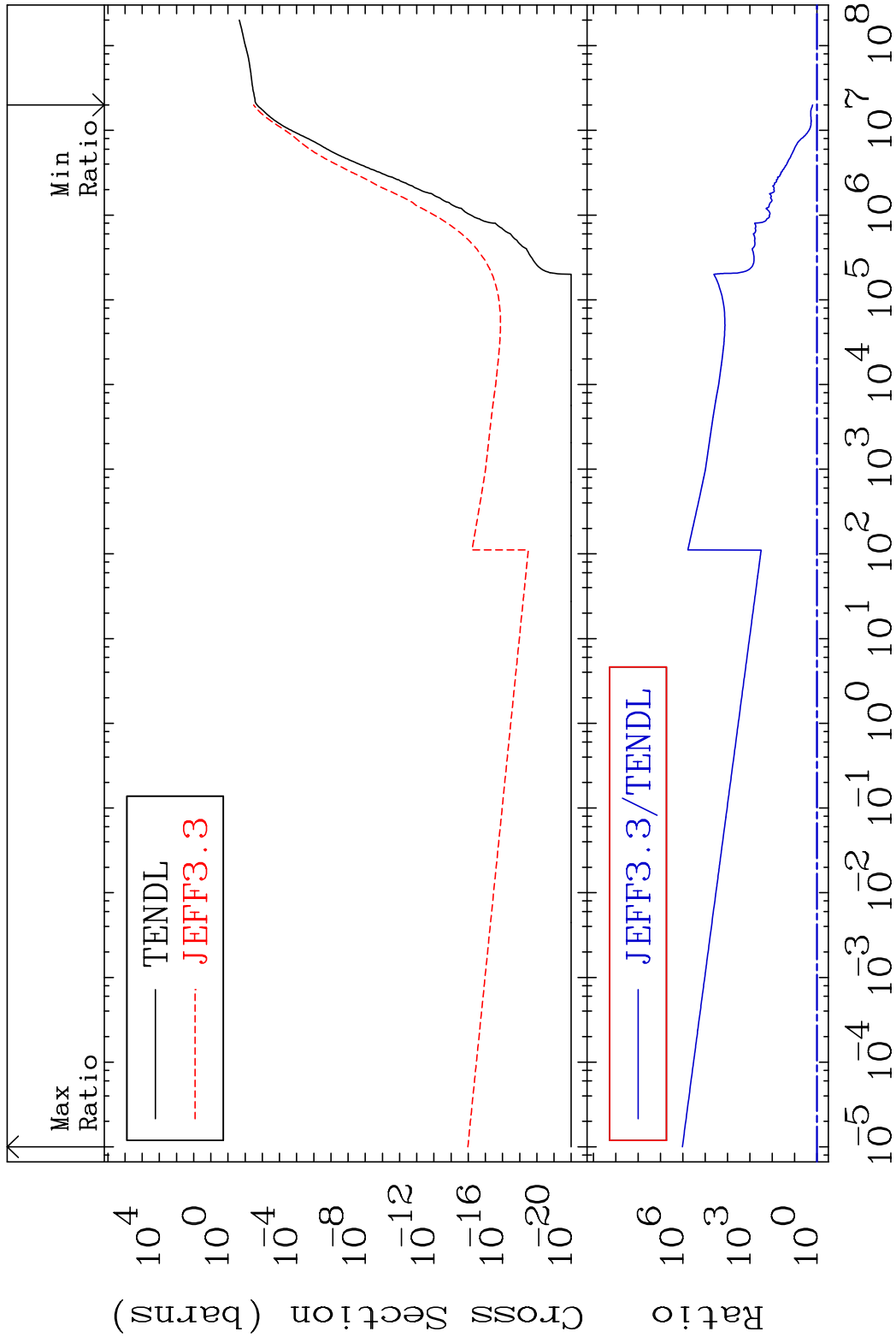
50-Sn-116

MAT 5037

He-4 Production

50-Sn-116

Cross Section 58.39 To 9999. %



43

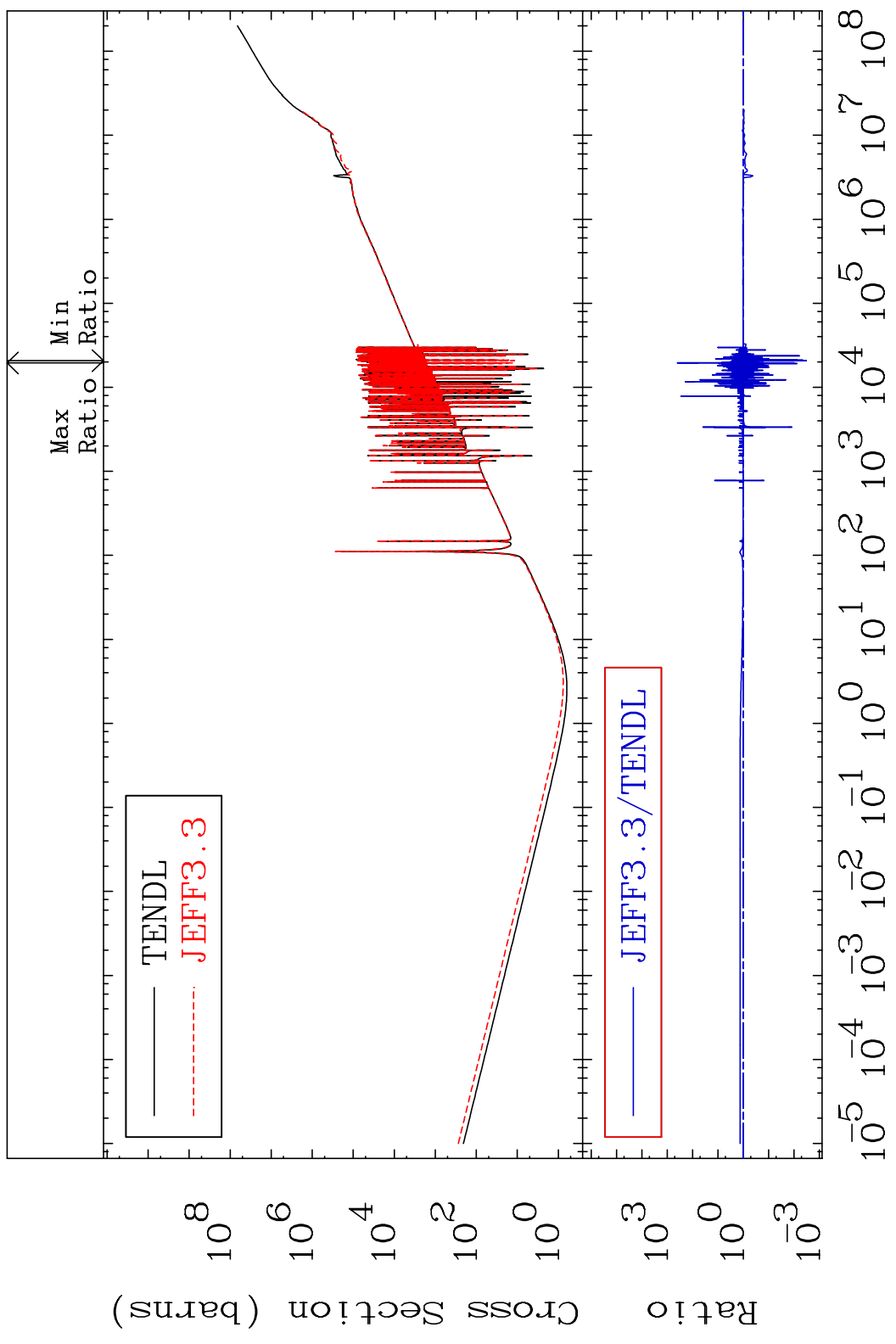
Incident Energy (eV)

50-Sn-116

MAT 5037

Kerma total (eV-barns) 50-Sn-116

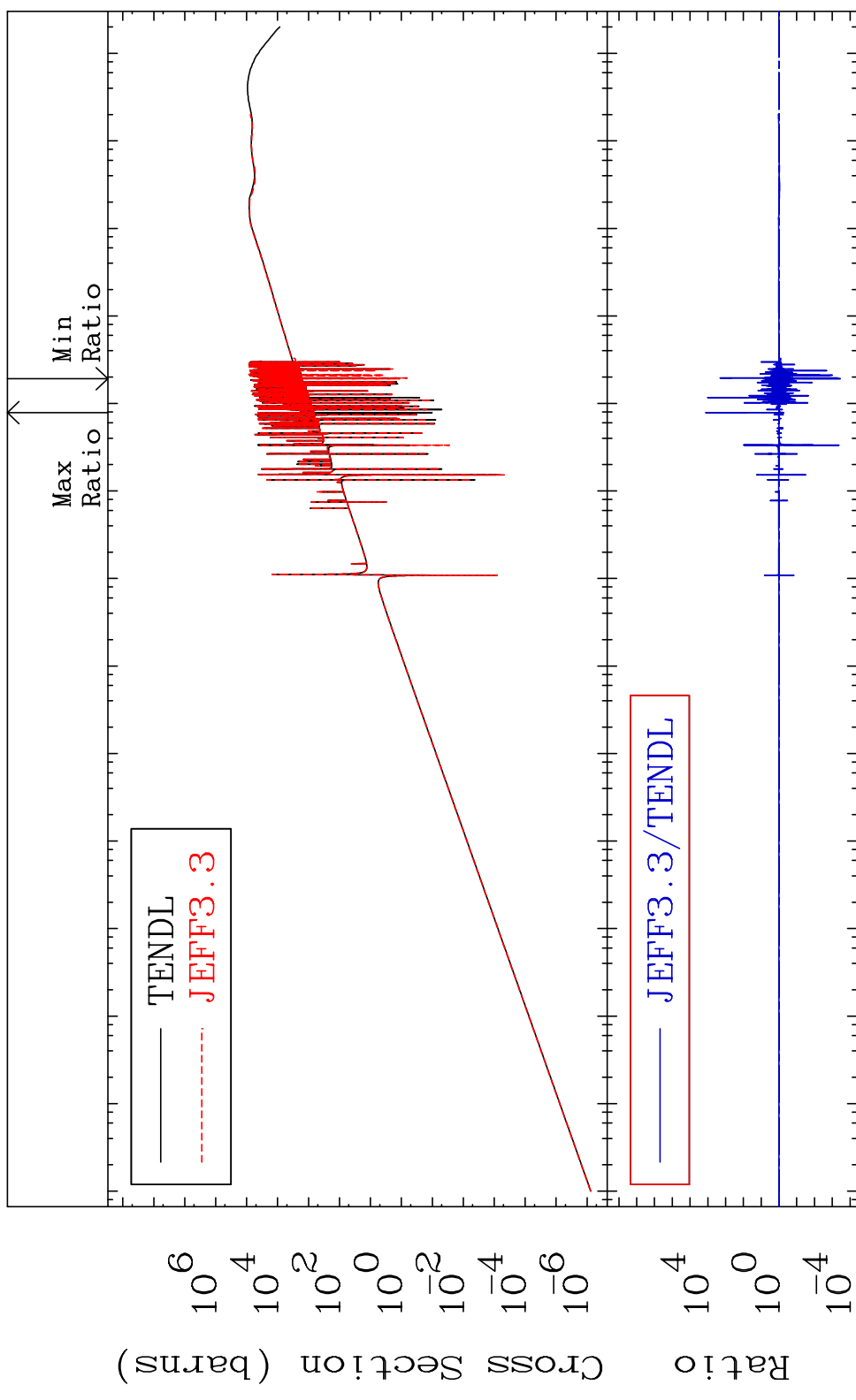
Cross Section -99.68 To 9999. %



MAT 5037

Kerma elastic
Cross Section -99.97 To 9999. %

50-Sn-116

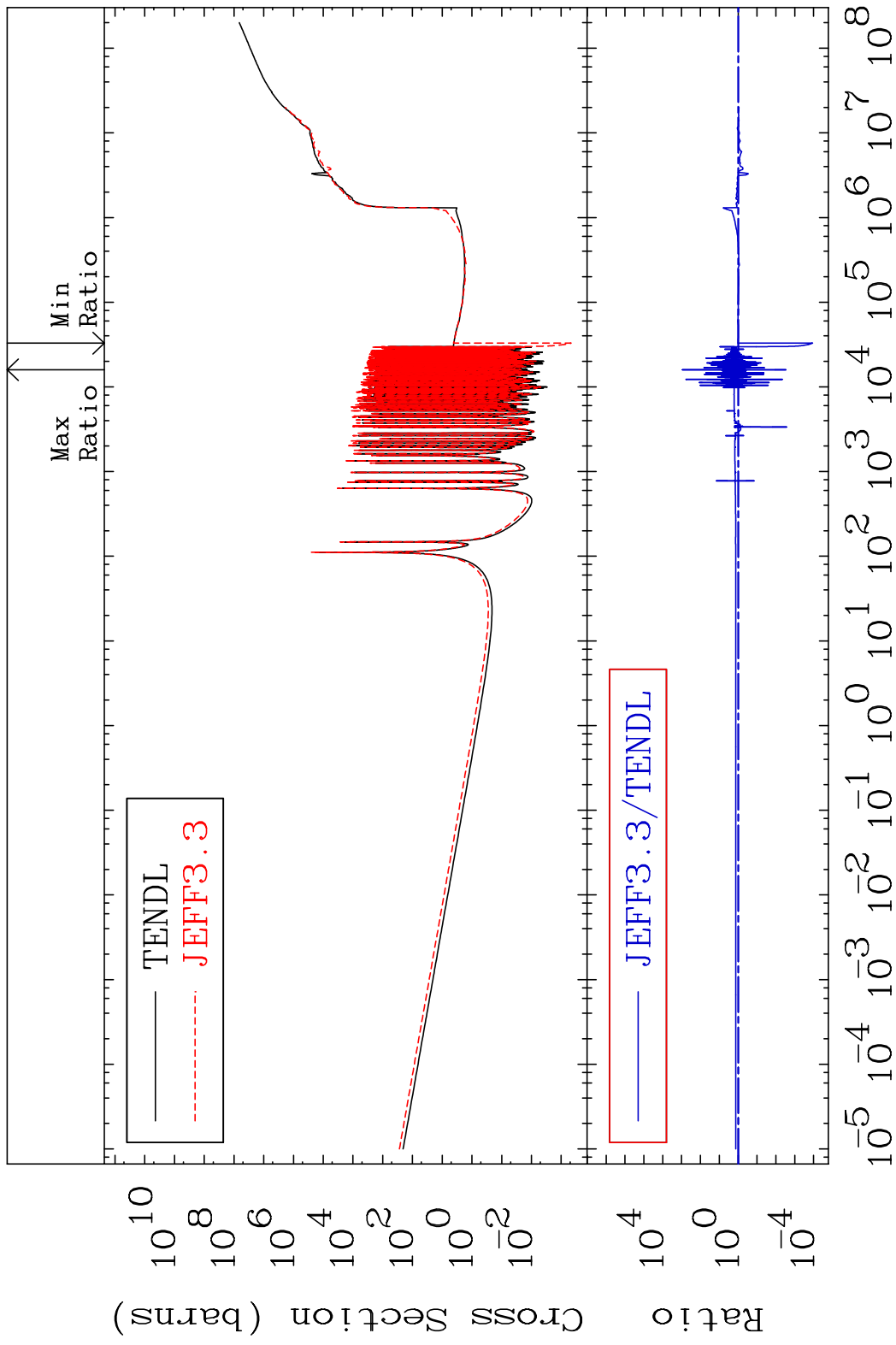


45

Incident Energy (eV)

50-Sn-116

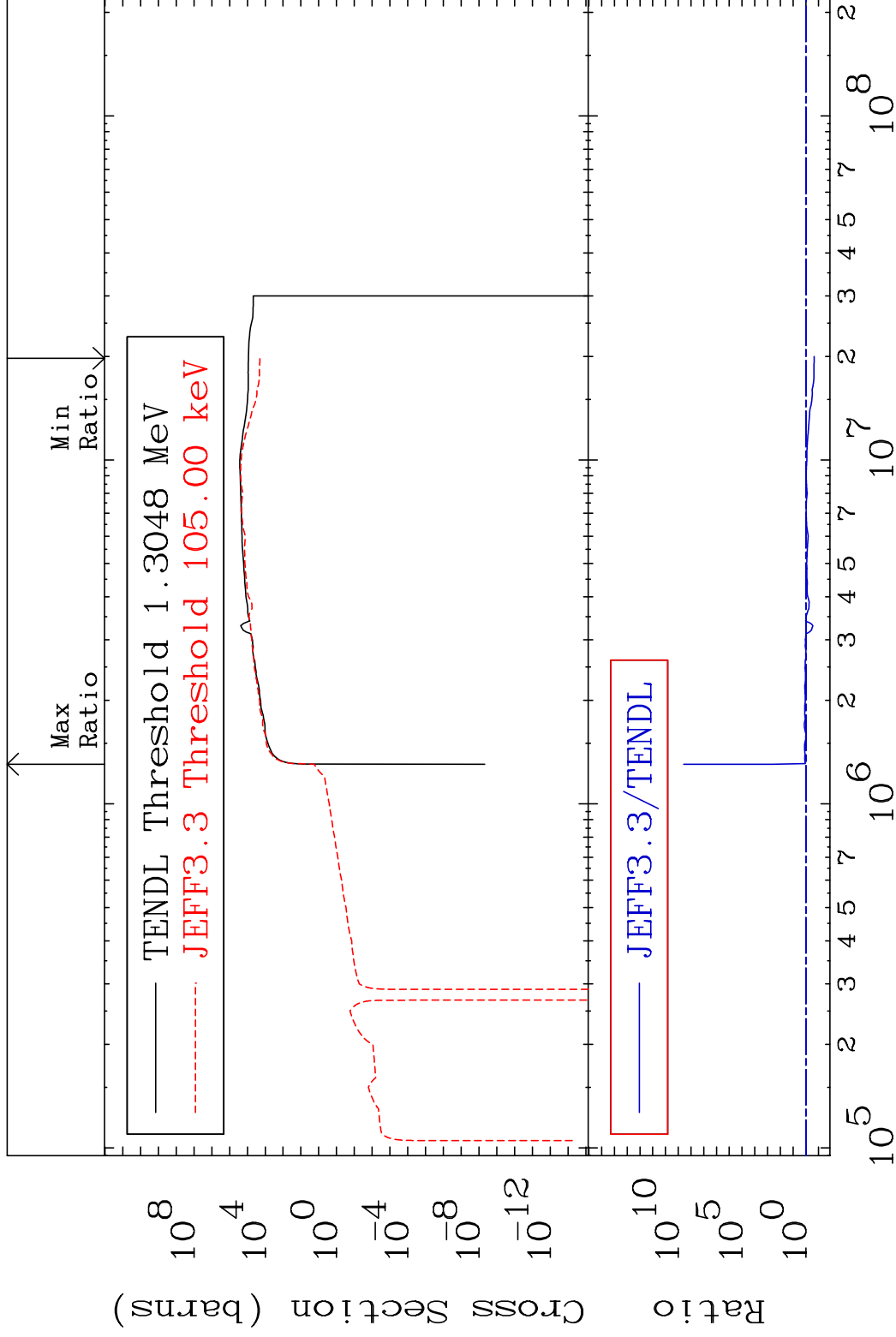
MAT 5037 Kerma non-elastic (all but mt2) 50-Sn-116
 Cross Section -99.99 To 9999. %



MAT 5037

Kerma inelastic (mt51-91) 50-Sn-116

Cross Section -77.49 To 9999. %

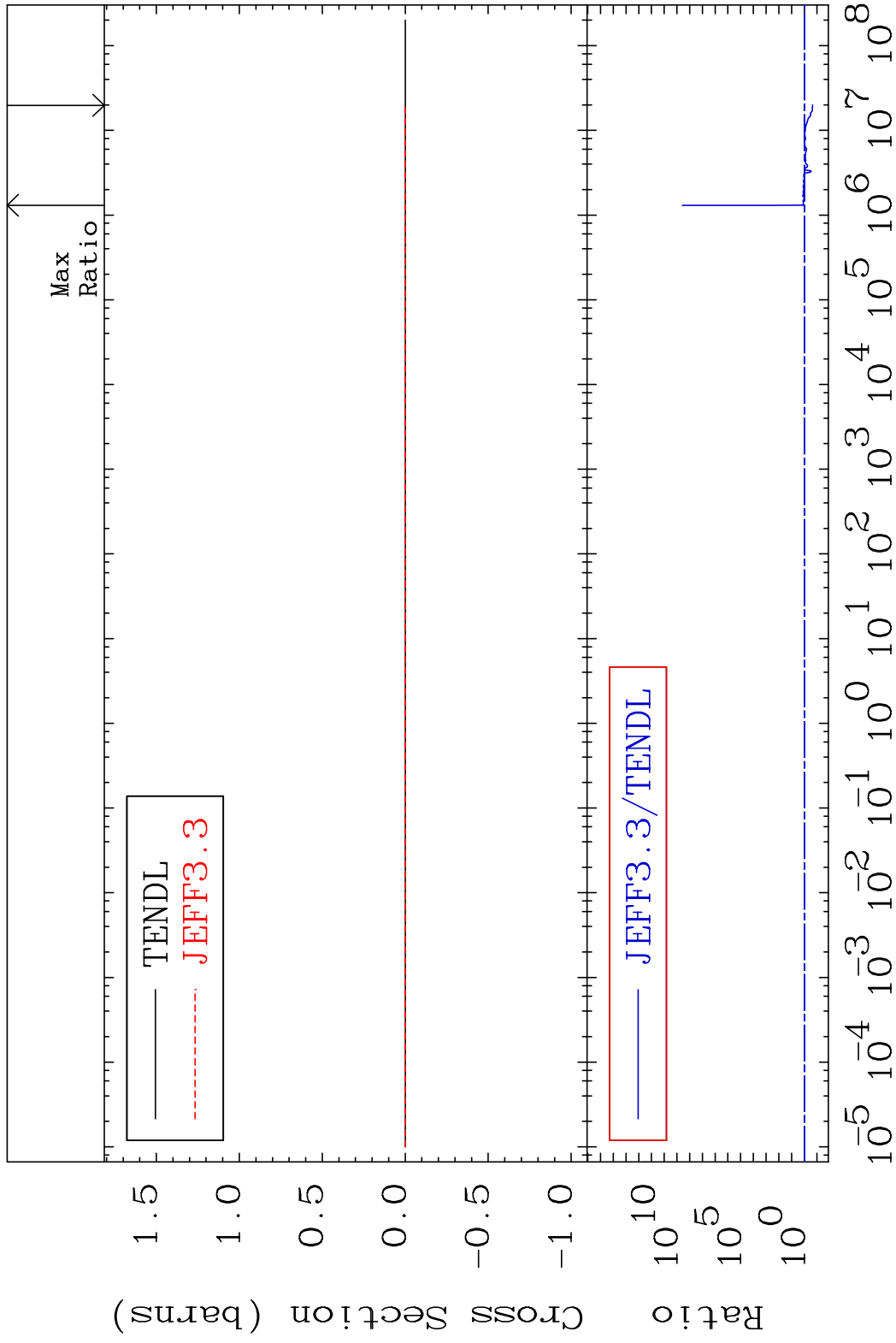


47

Incident Energy (eV)

50-Sn-116

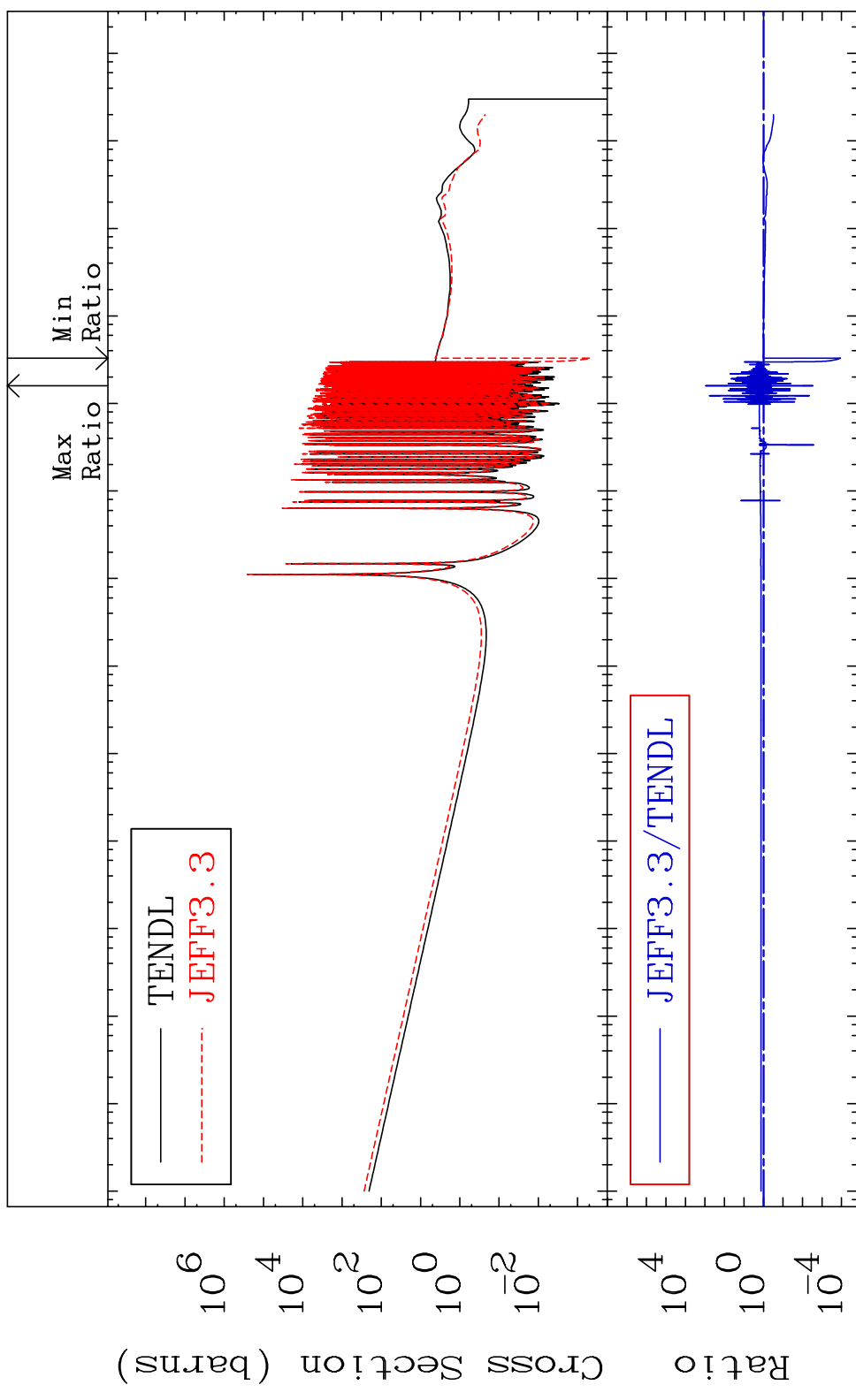
MAT 5037 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-116
 Cross Section -77.49 To 9999. %



MAT 5037

Kerma capture (mt102) 50-Sn-116

Cross Section -99.99 To 9999. %



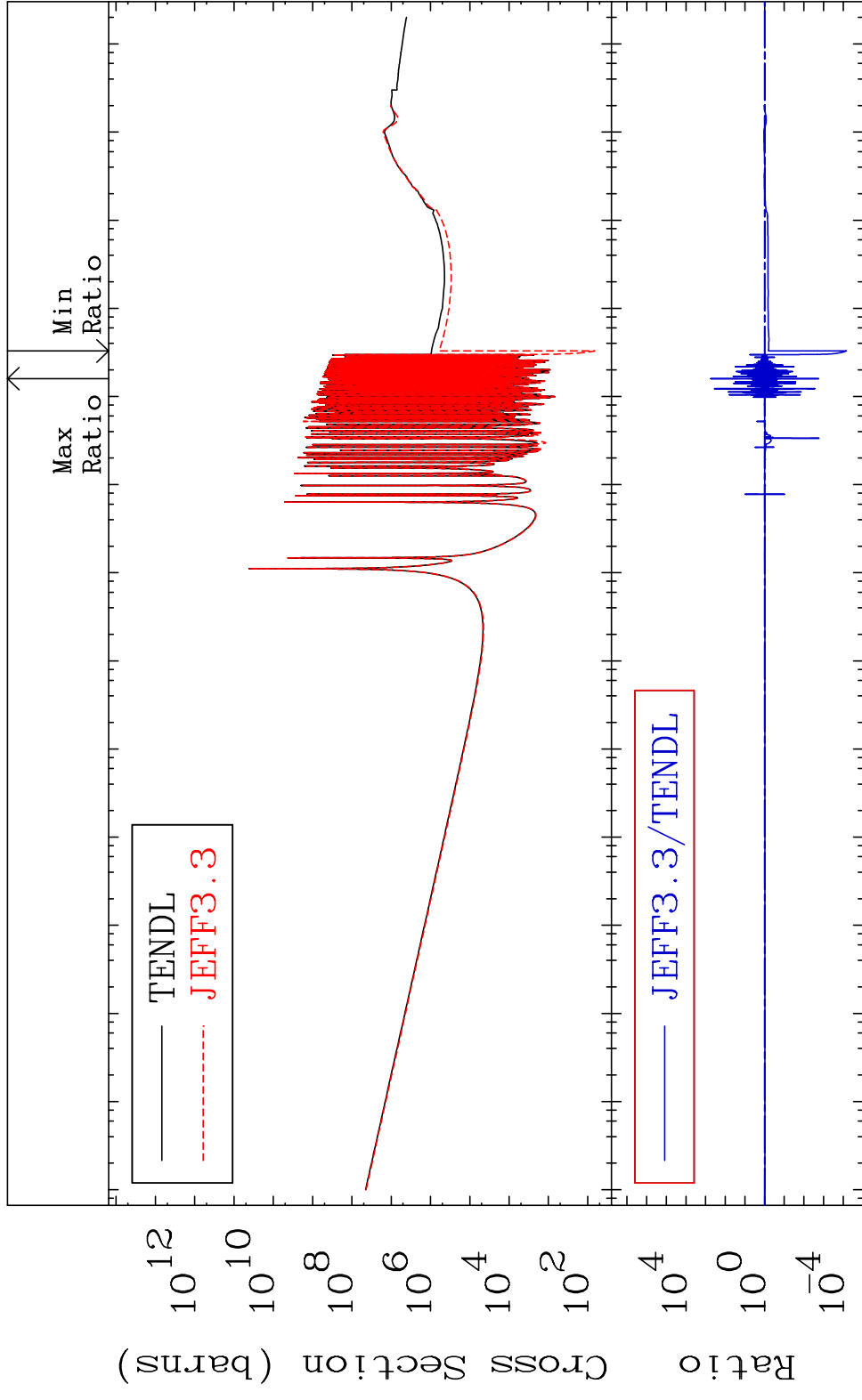
49

Incident Energy (eV)

50-Sn-116

MAT 5037

Total photon (eV-barns) 50-Sn-116
Cross Section -99.99 To 9999. %

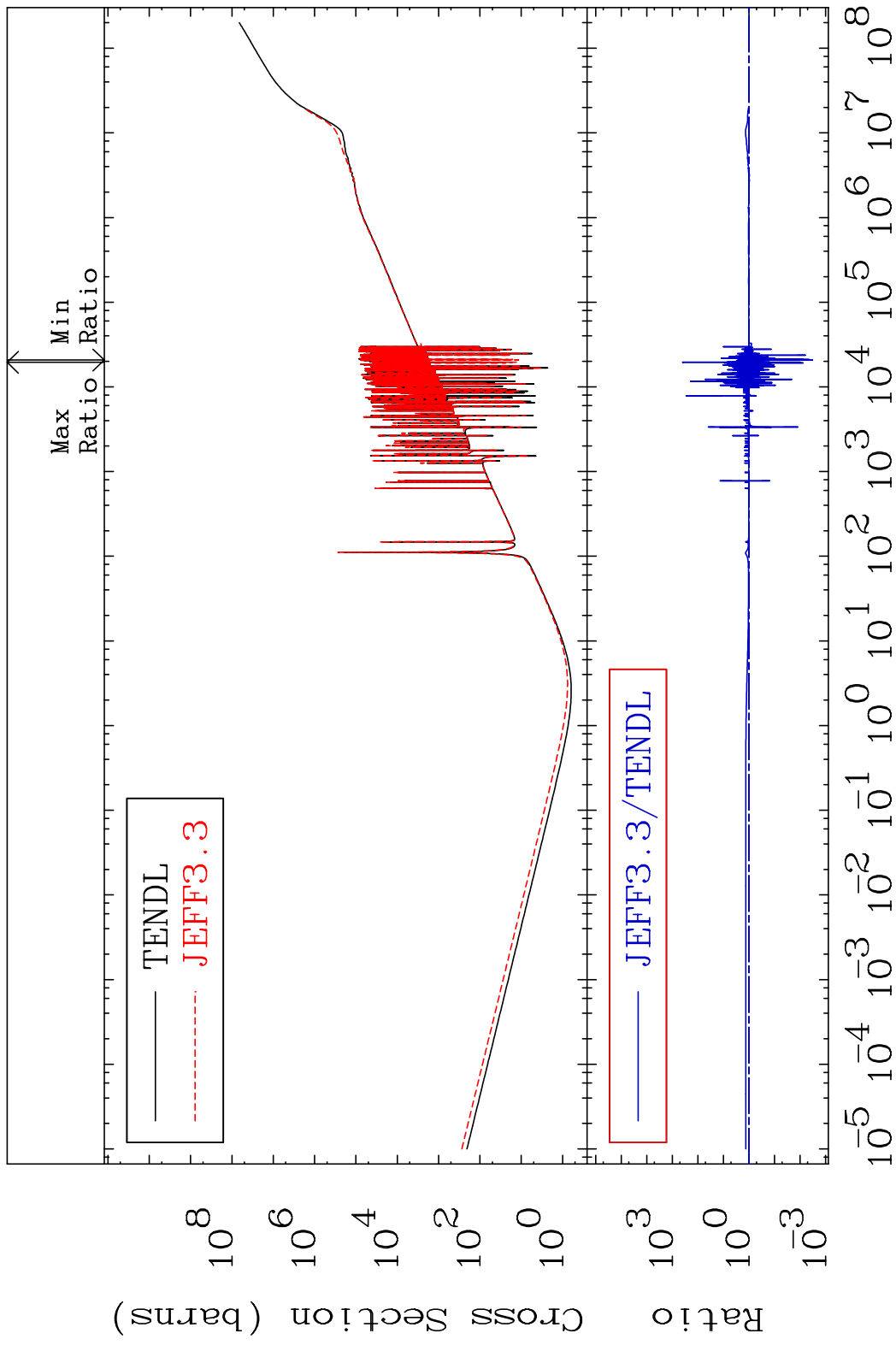


50

Incident Energy (eV)

50-Sn-116

MAT 5037 Total kinematic kerma (high limit) 50-Sn-116
 Cross Section -99.68 To 9999. %

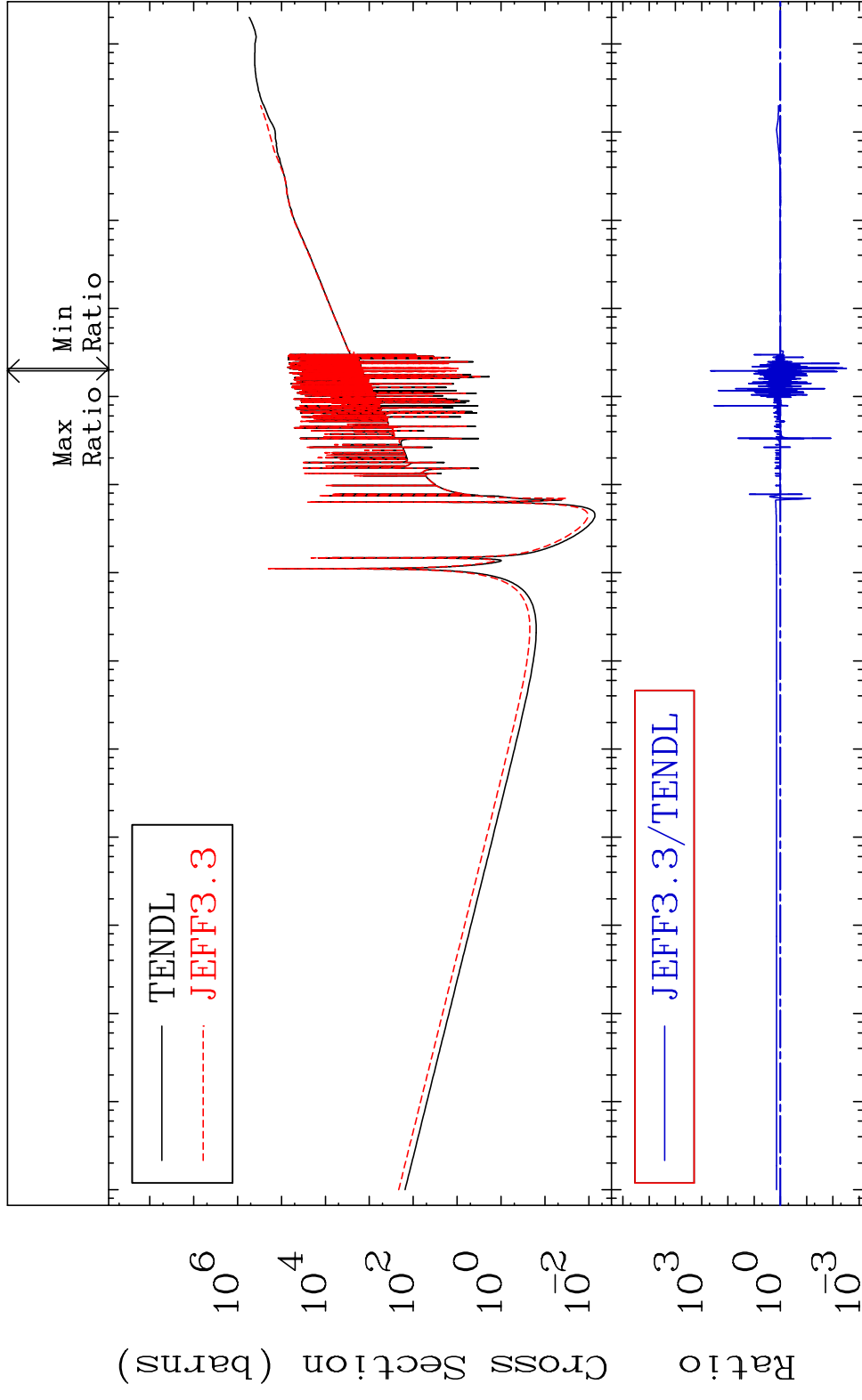


MAT 5037

Dpa total (eV-barns)

50-Sn-116

Cross Section -99.69 To 9999. %

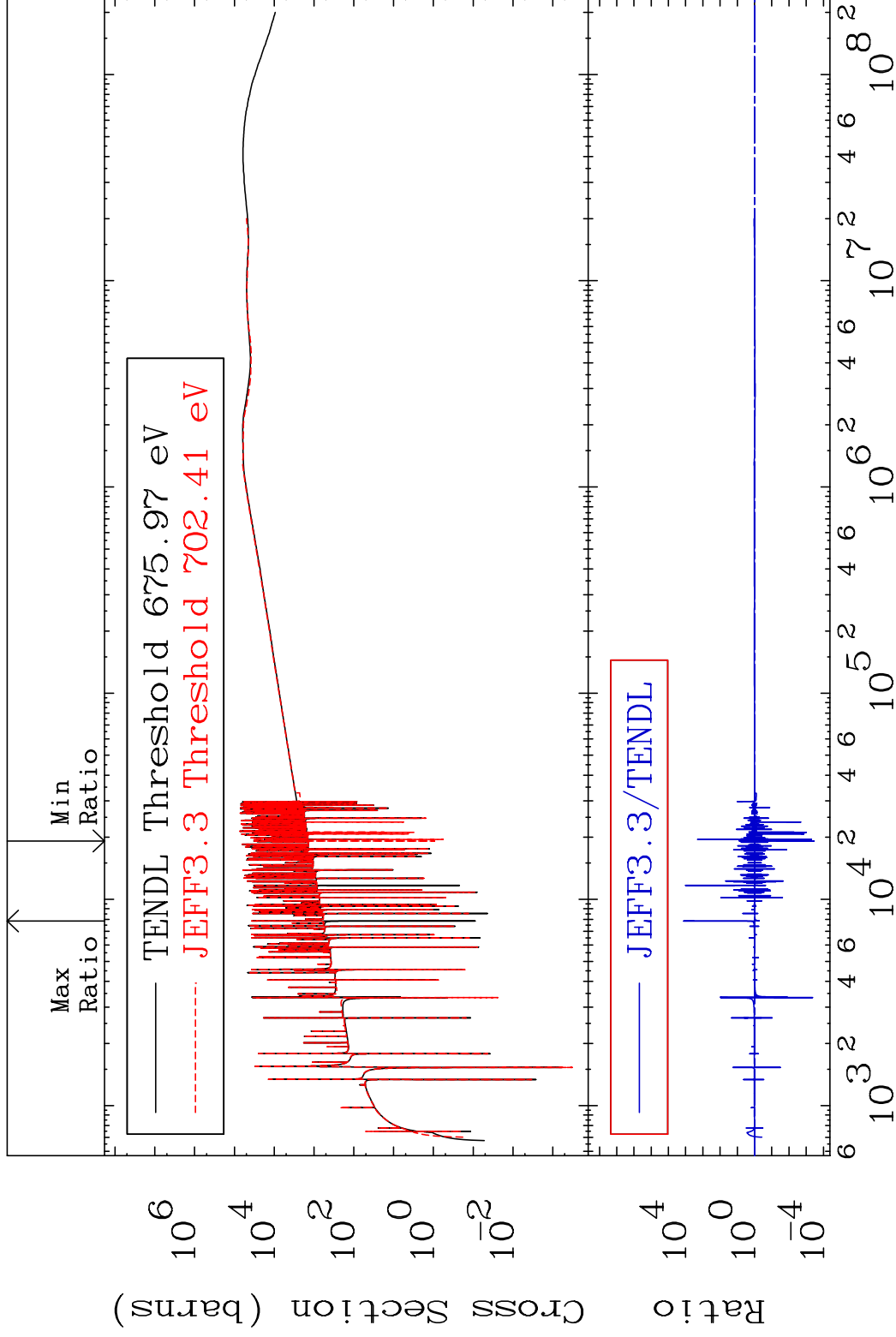


MAT 5037

Dpa elastic (mt2)

50-Sn-116

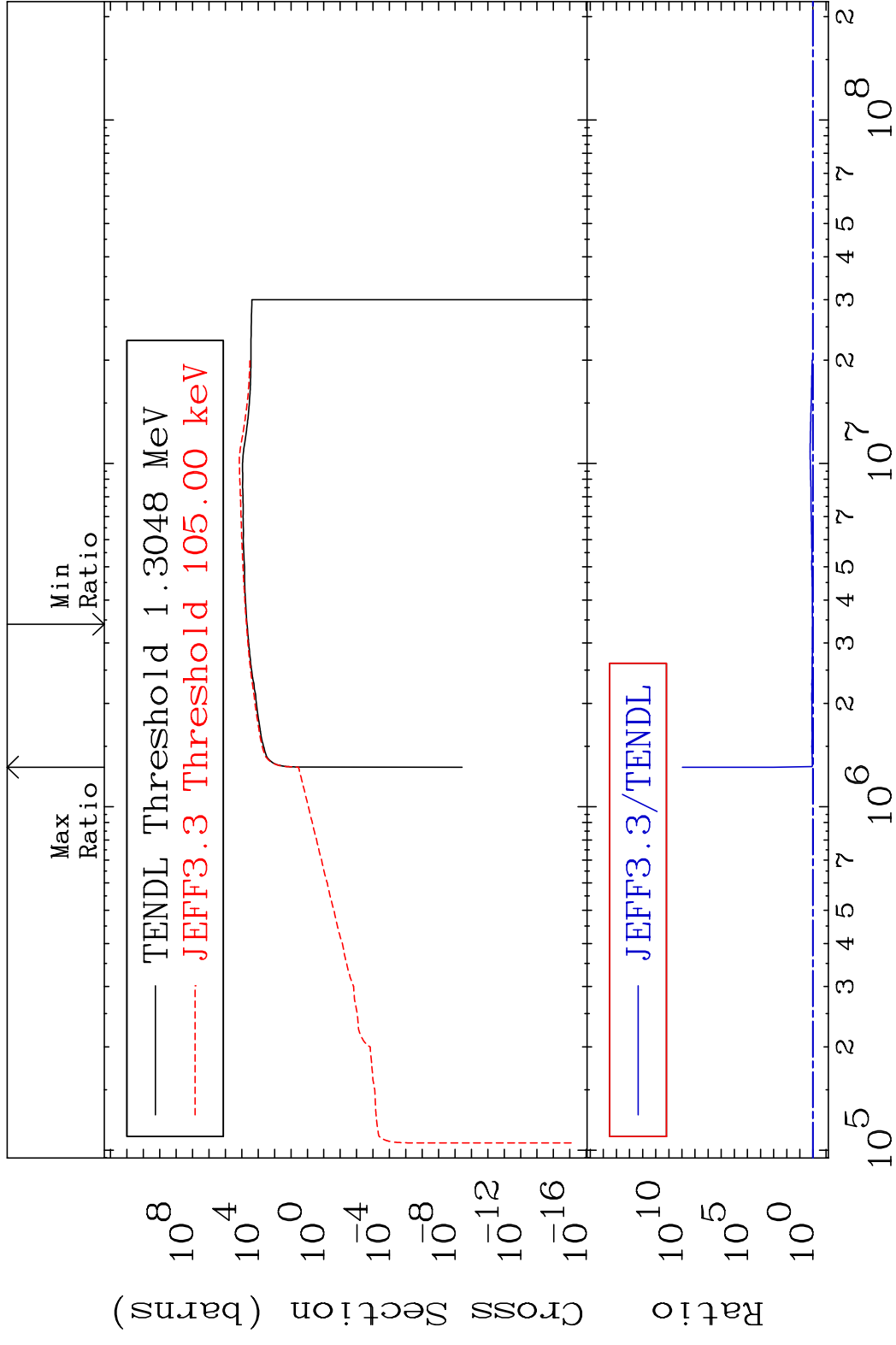
Cross Section -99.97 To 9999. %



53

Incident Energy (eV)

50-Sn-116



MAT 5037 Dpa disappearance (mt102 -120) 50-Sn-116
 Cross Section -99.99 To 9999. %

