

Program Complot
(Version 2018-1)

by

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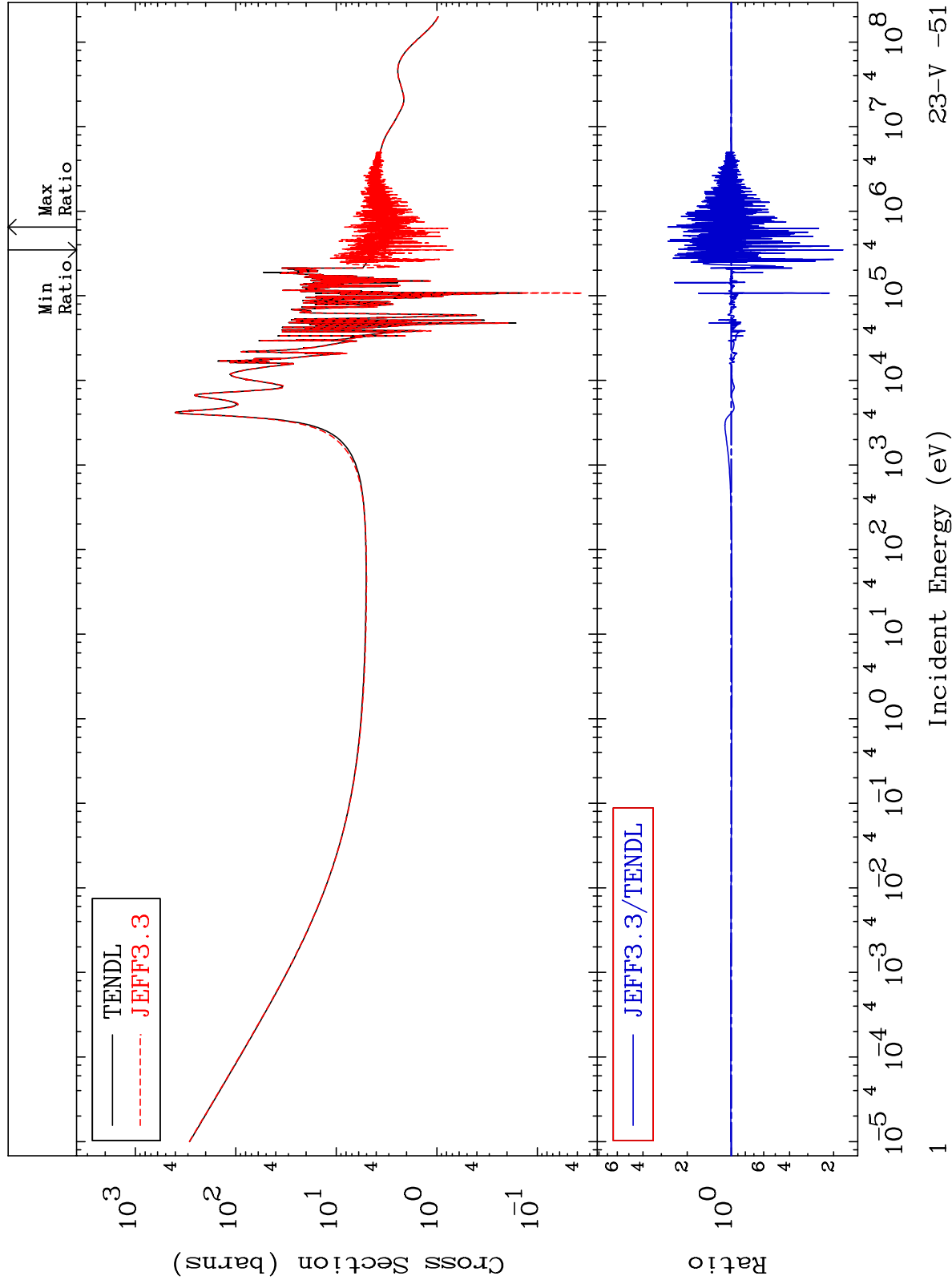
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2328

Total
Cross Section

23-V -51
-82.71 To 169.9 %



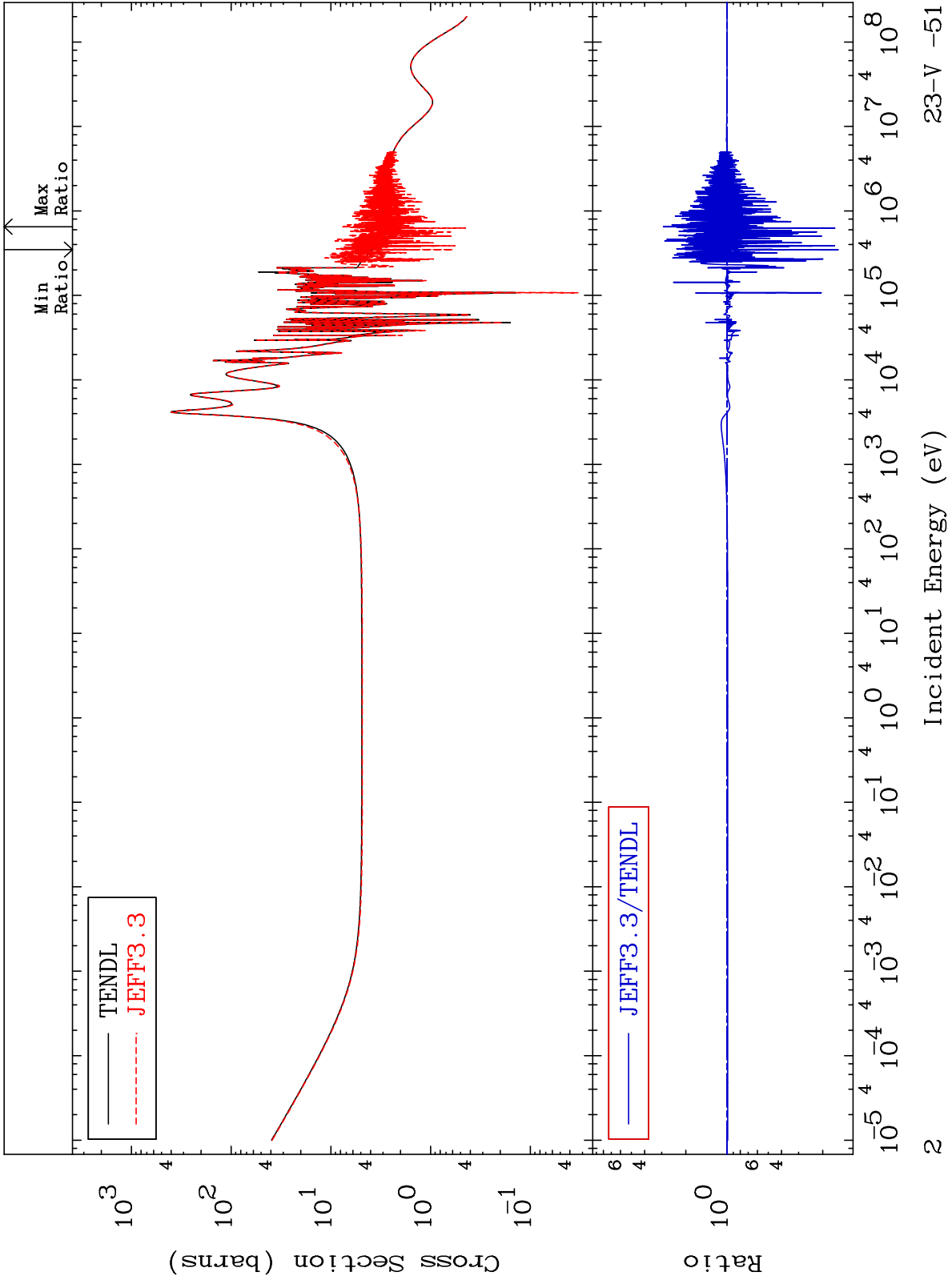
Incident Energy (eV)

23-V -51

MAT 2328

Elastic
Cross Section

23-V -51
-84.55 To 191.1 %



Incident Energy (eV)

23-V -51

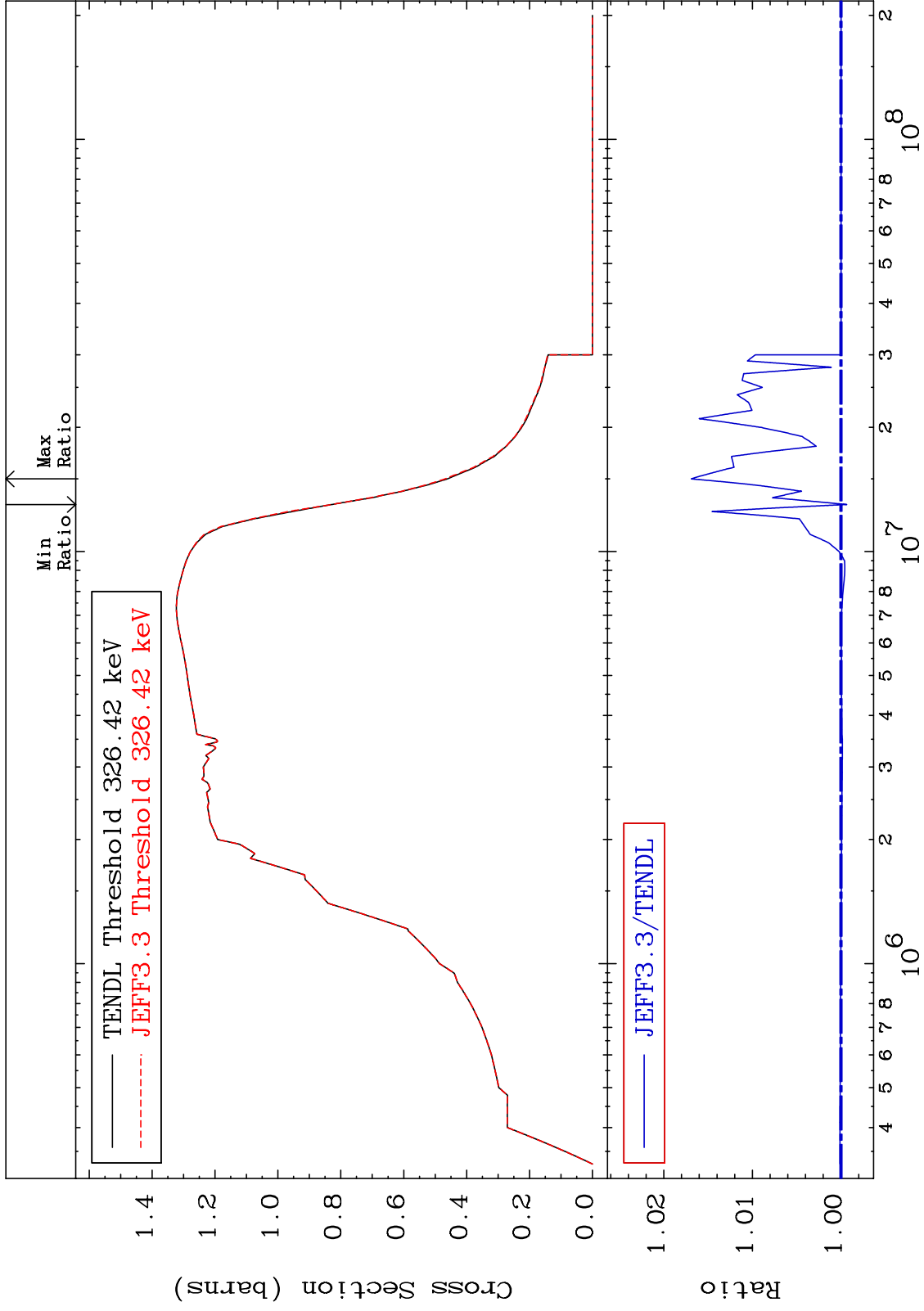
2

MAT 2328

Inelastic

23-V -51

Cross Section -0.065 To 1.689 %



3

Incident Energy (eV)

23-V -51

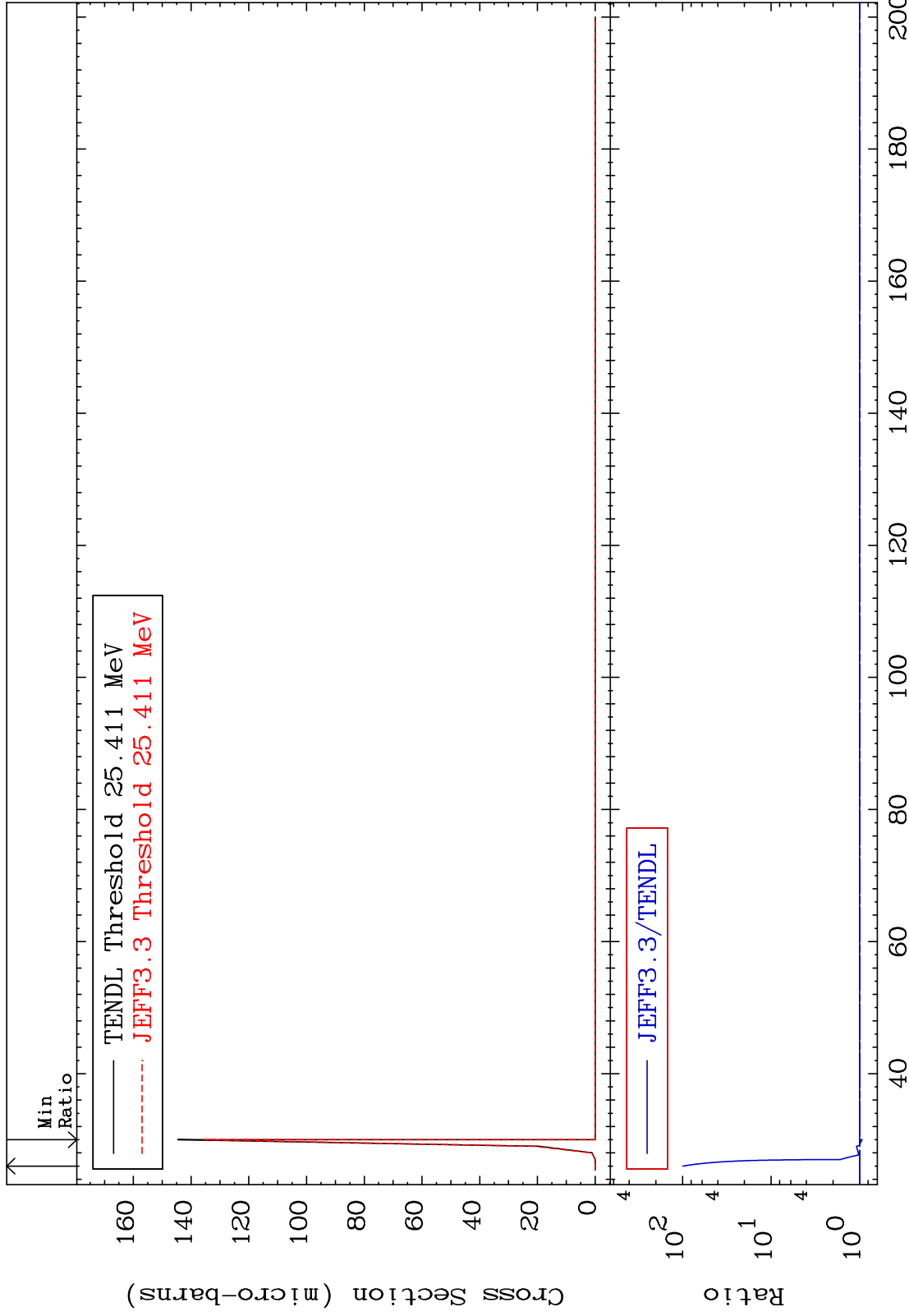
MAT 2328

(n,2n) d

23-V -51

Cross Section

-6.069 To 9805. %



4

Incident Energy (MeV)

23-V -51

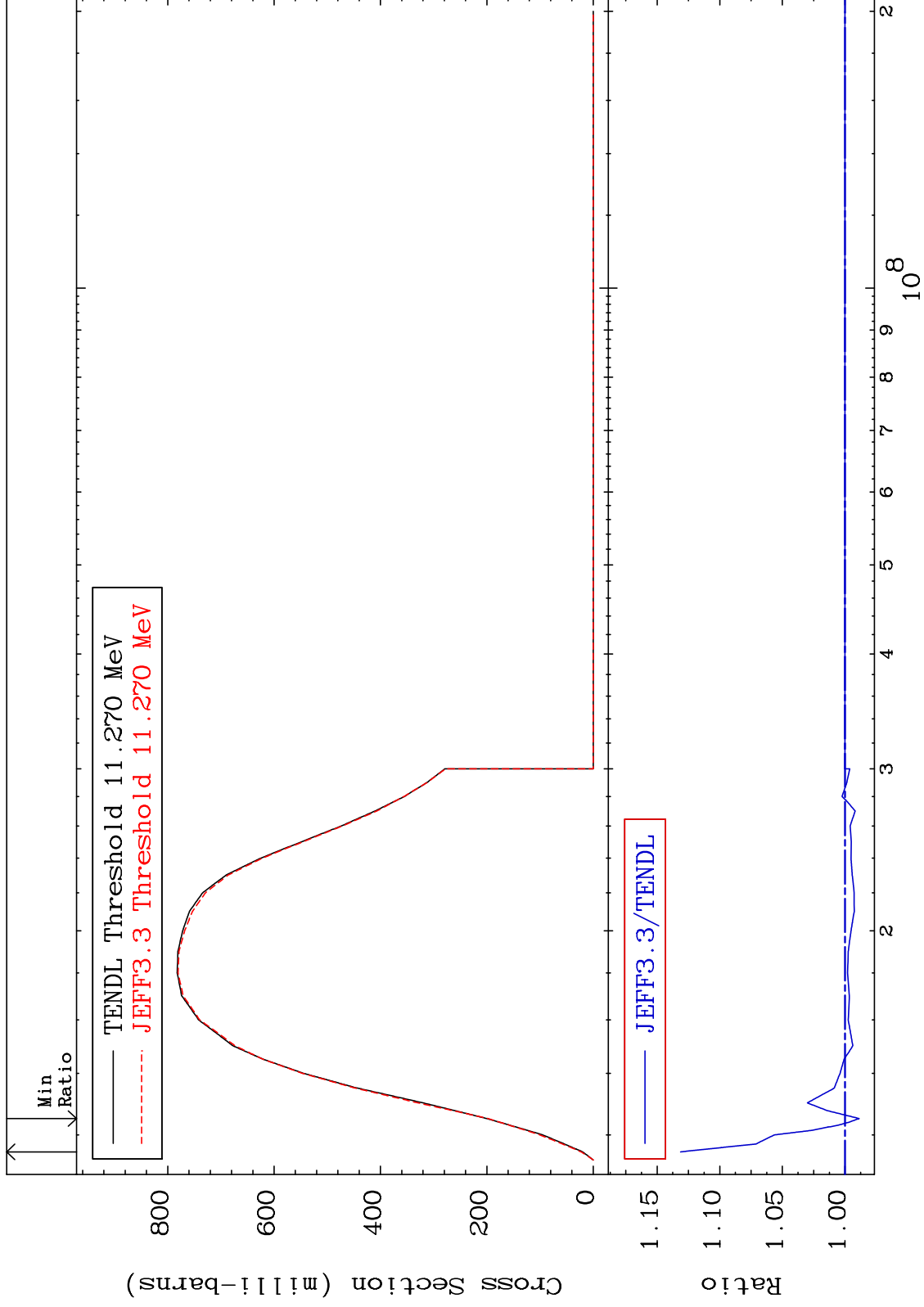
MAT 2328

(n,2n)

23-V -51

Cross Section

-1.132 To 13.13 %



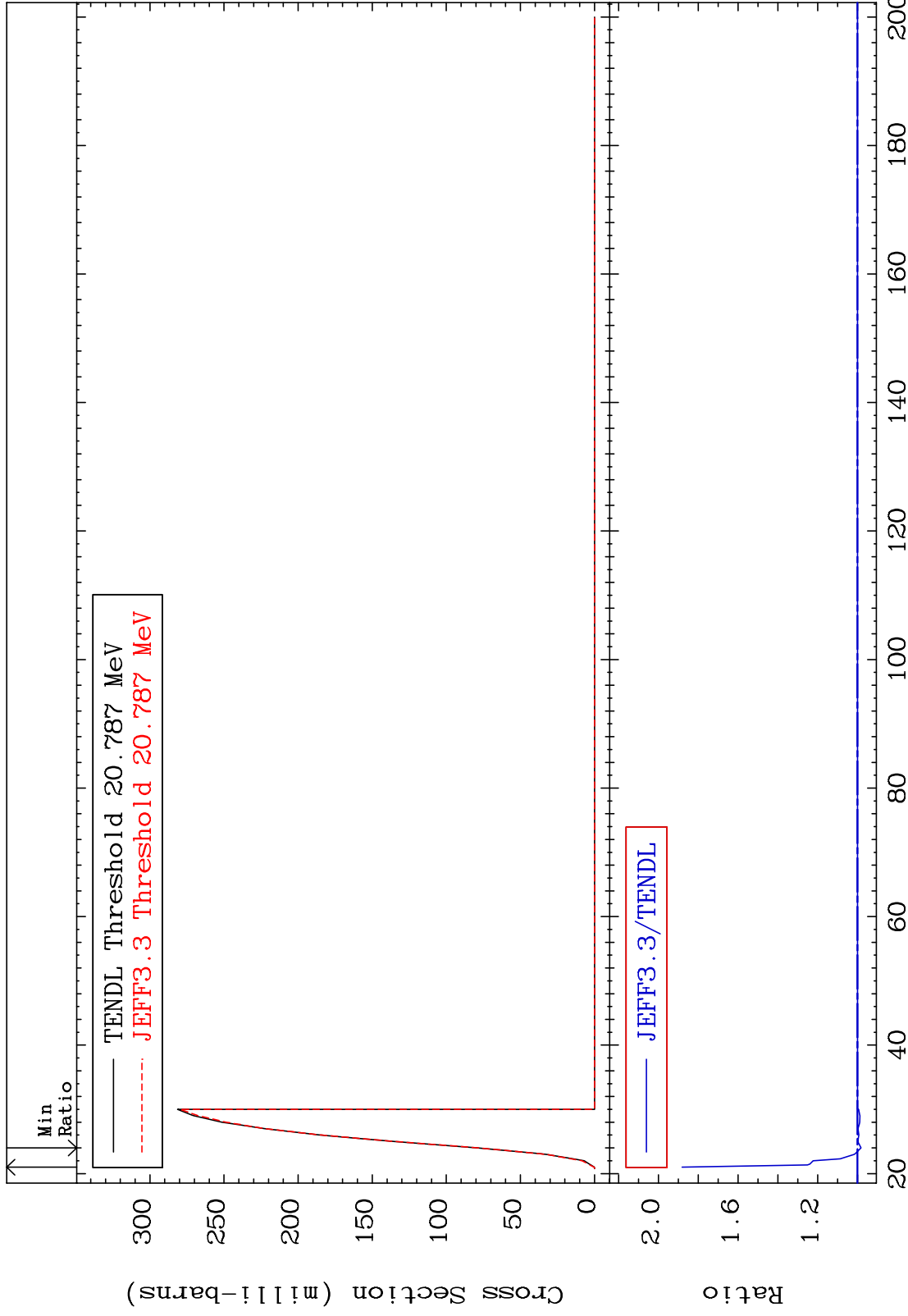
MAT 2328

(n, 3n)

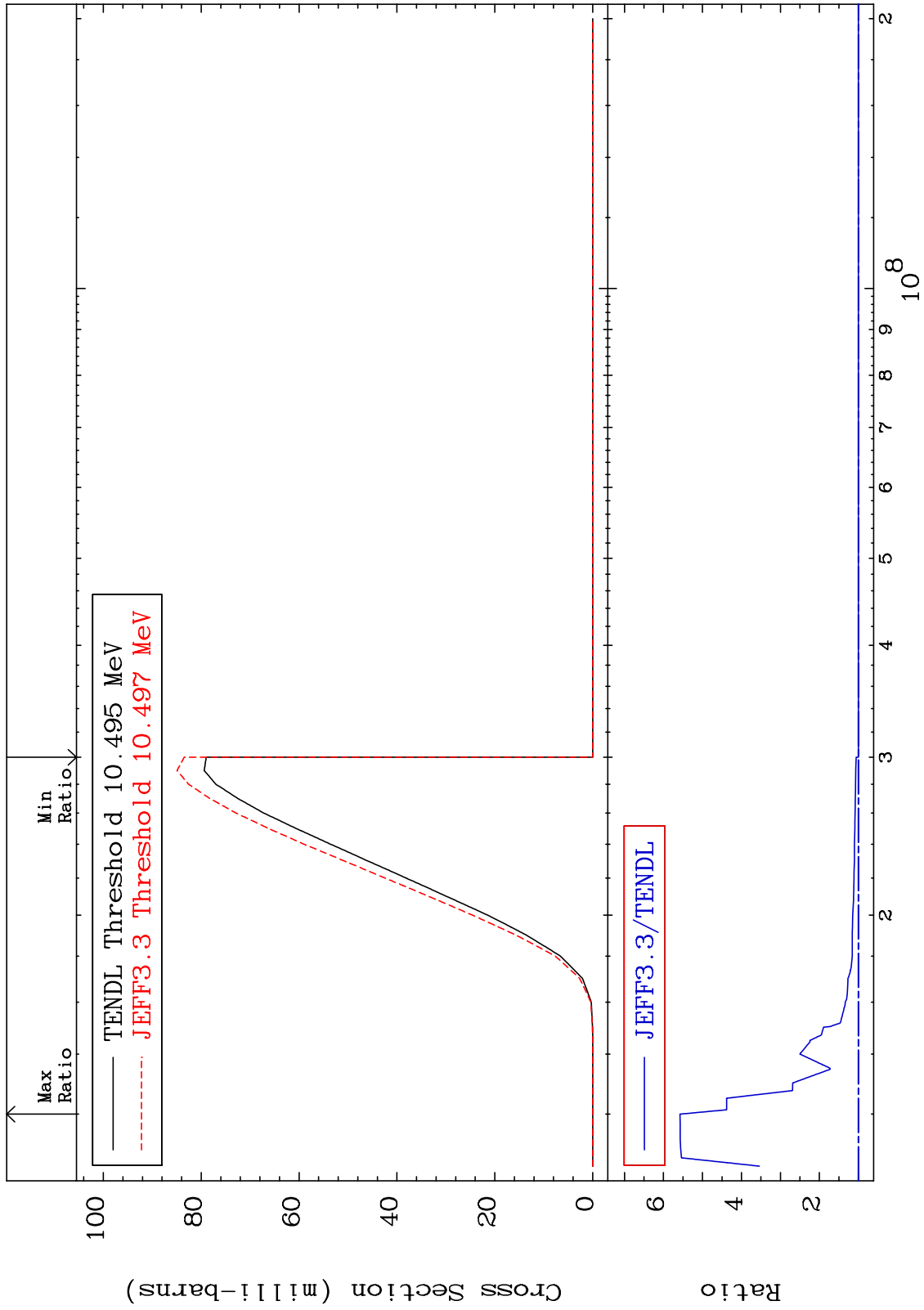
23-V -51

Cross Section

-1.829 To 88.11 %



MAT 2328 $(n, n') \alpha$ Cross Section 23-V -51 To 457.5 %



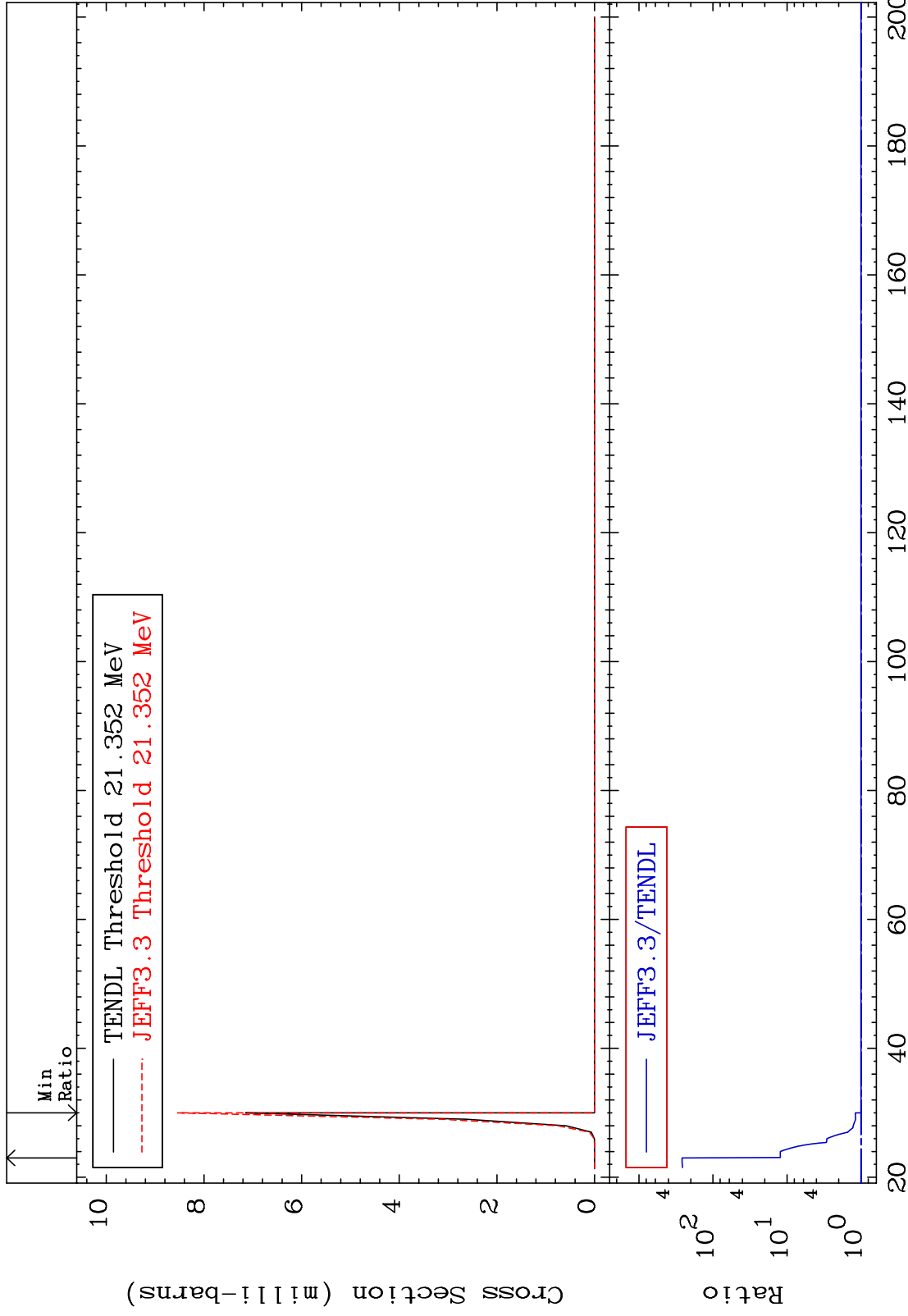
MAT 2328

(n,2n) α

23-V -51

Cross Section

0.000 To 9999. %



8

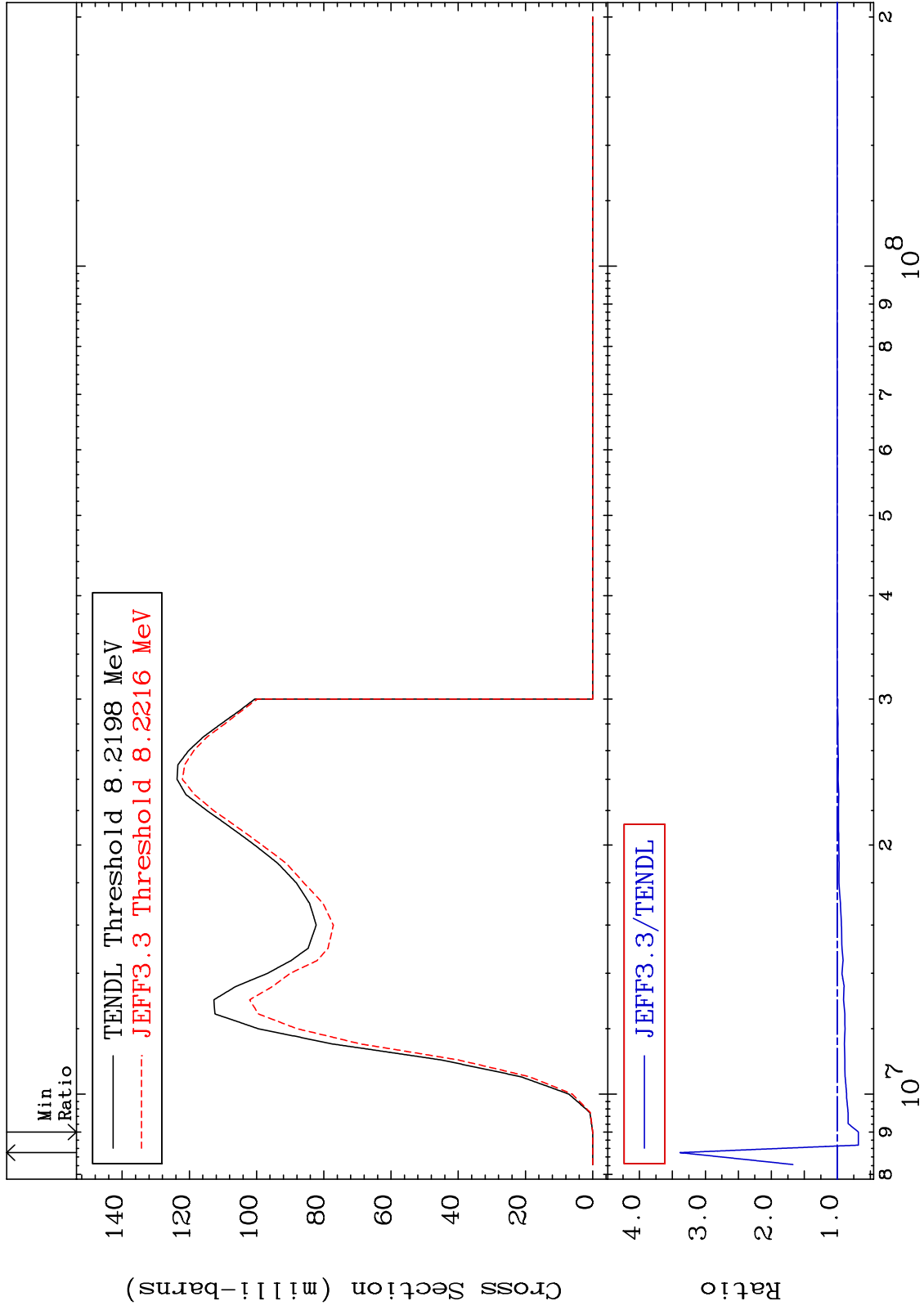
Incident Energy (MeV)

23-V -51

MAT 2328

(n,n') p
Cross Section

23-V -51
-32.00 To 238.5 %



9

Incident Energy (eV)

23-V -51

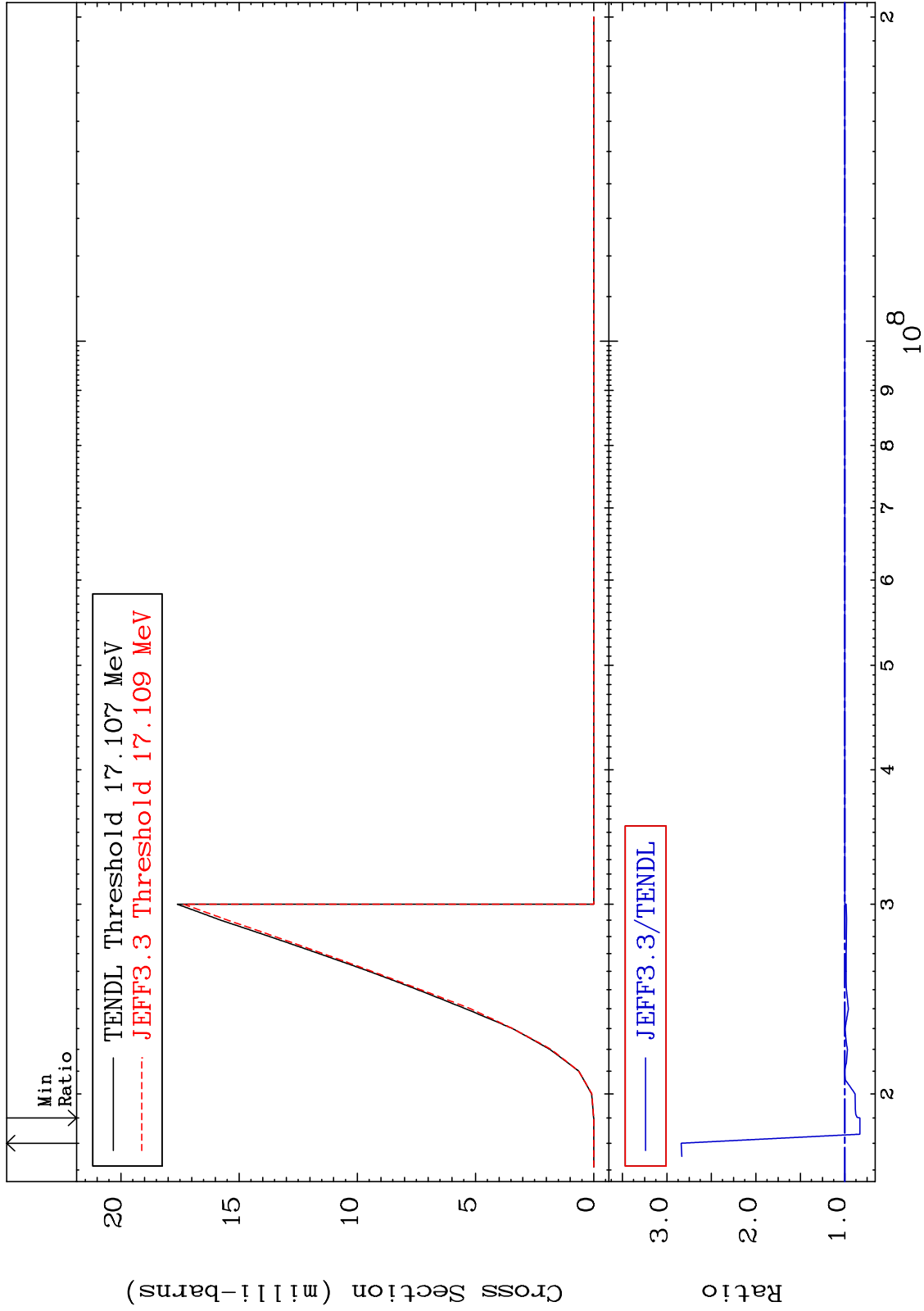
MAT 2328

(n,n') d

23-V -51

Cross Section

-16.95 To 183.9 %



10

Incident Energy (eV)

23-V -51

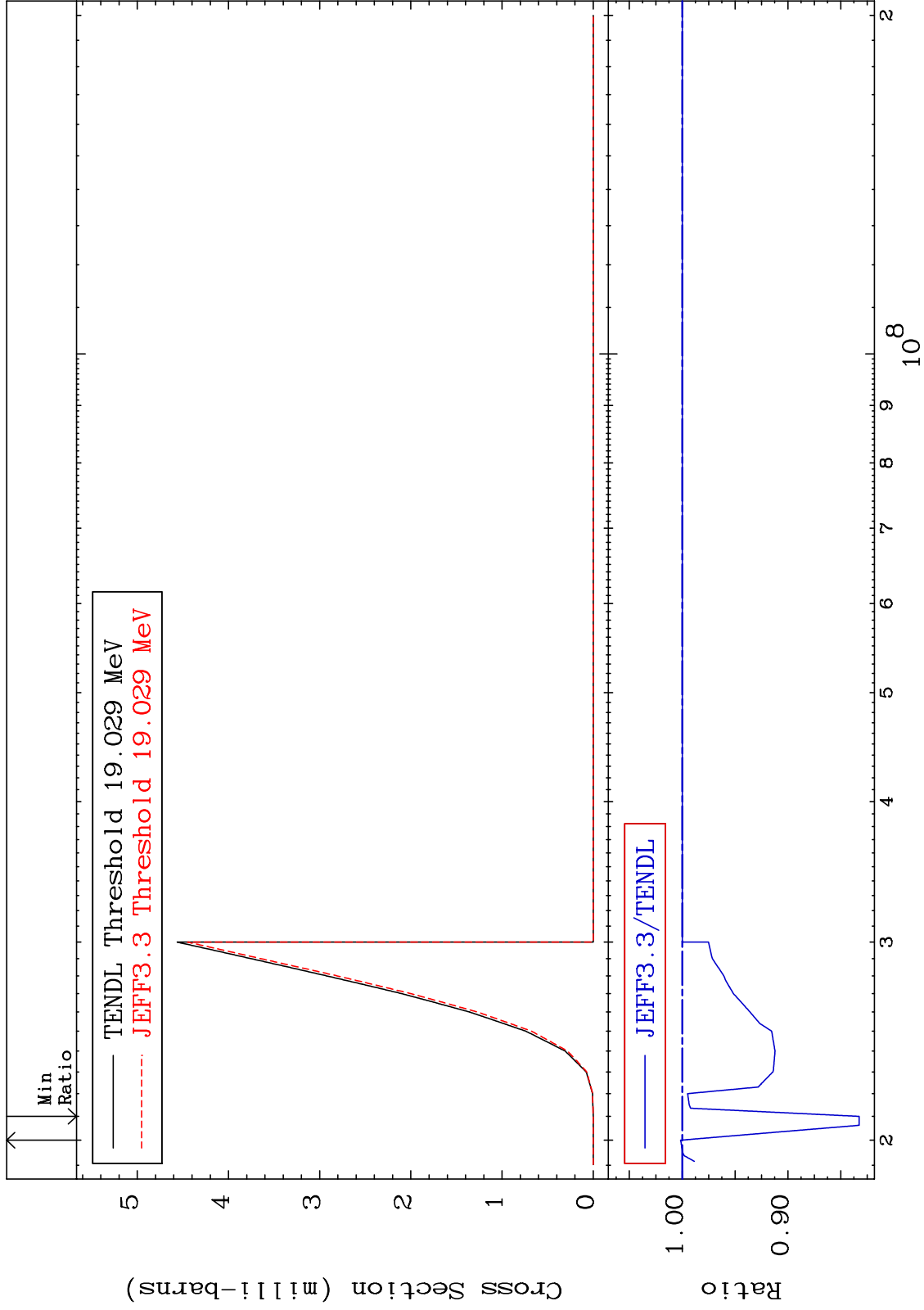
MAT 2328

(n,n') t

23-V -51

Cross Section

-16.74 To 0.149 %



11

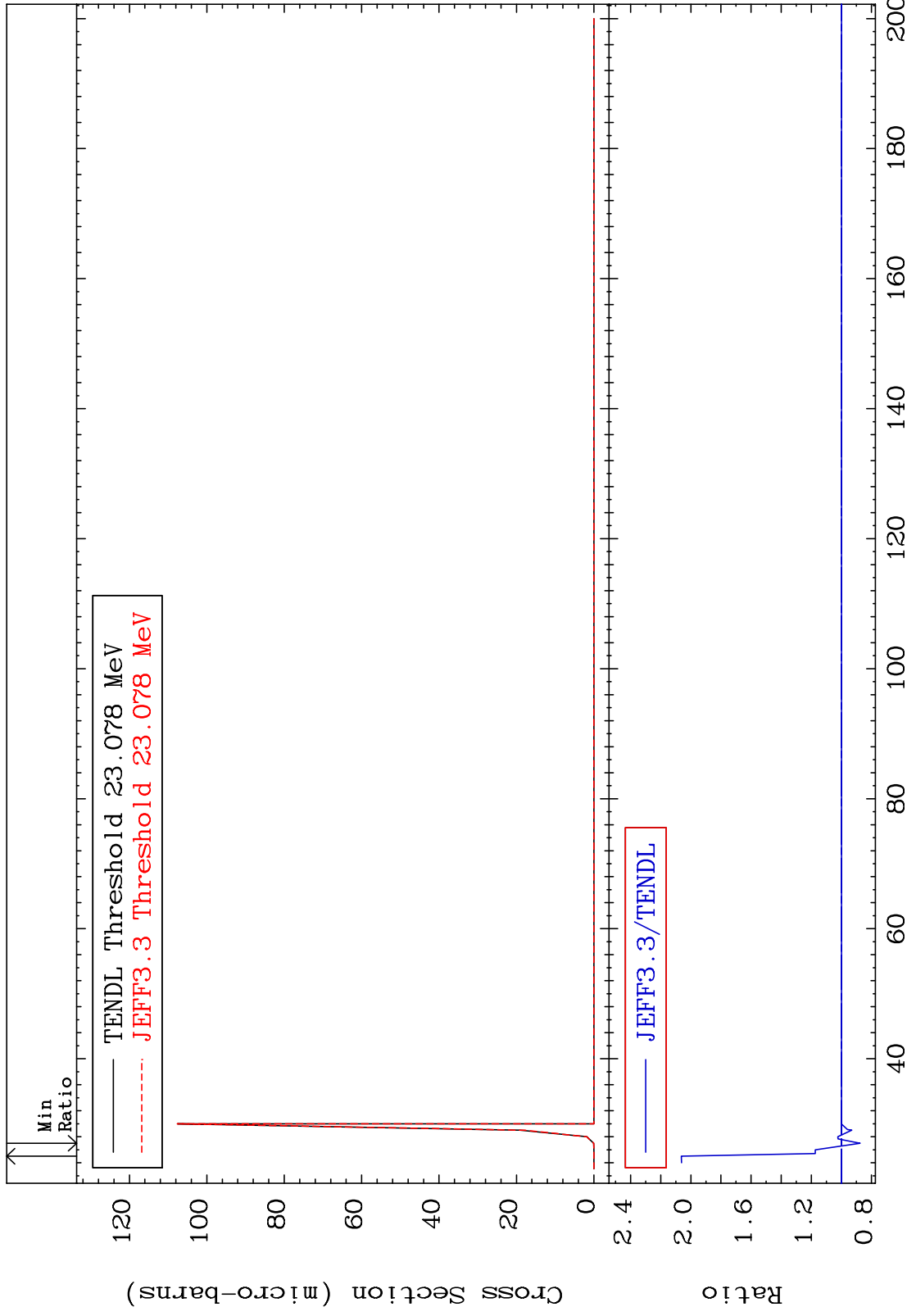
Incident Energy (eV)

23-V -51

MAT 2328

(n, n') He-3
Cross Section

23-V -51
-12.43 To 106.3 %



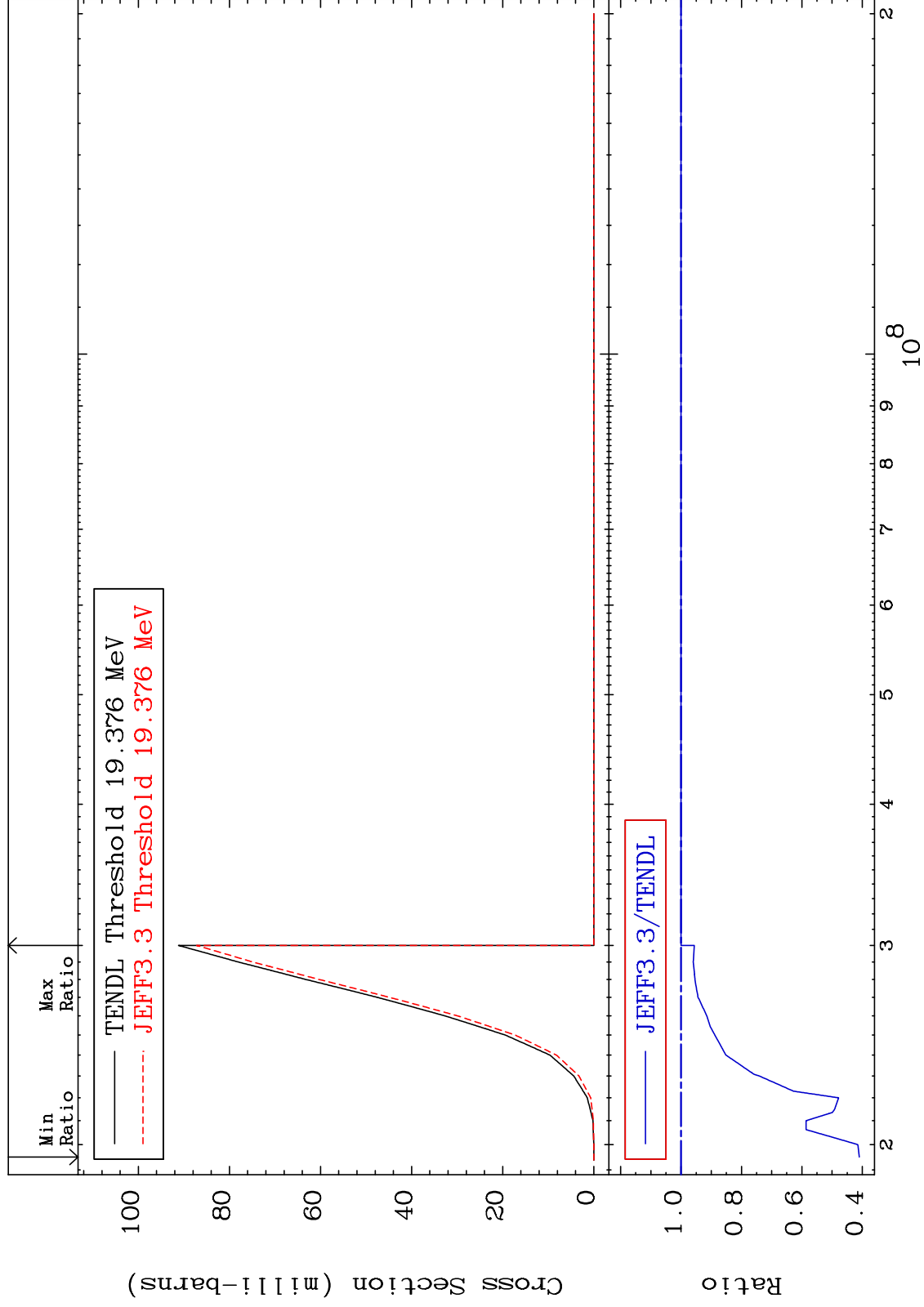
MAT 2328

(n,2n) p

23-V -51

Cross Section

-59.01 To 0.000 %



13

Incident Energy (eV)

23-V -51

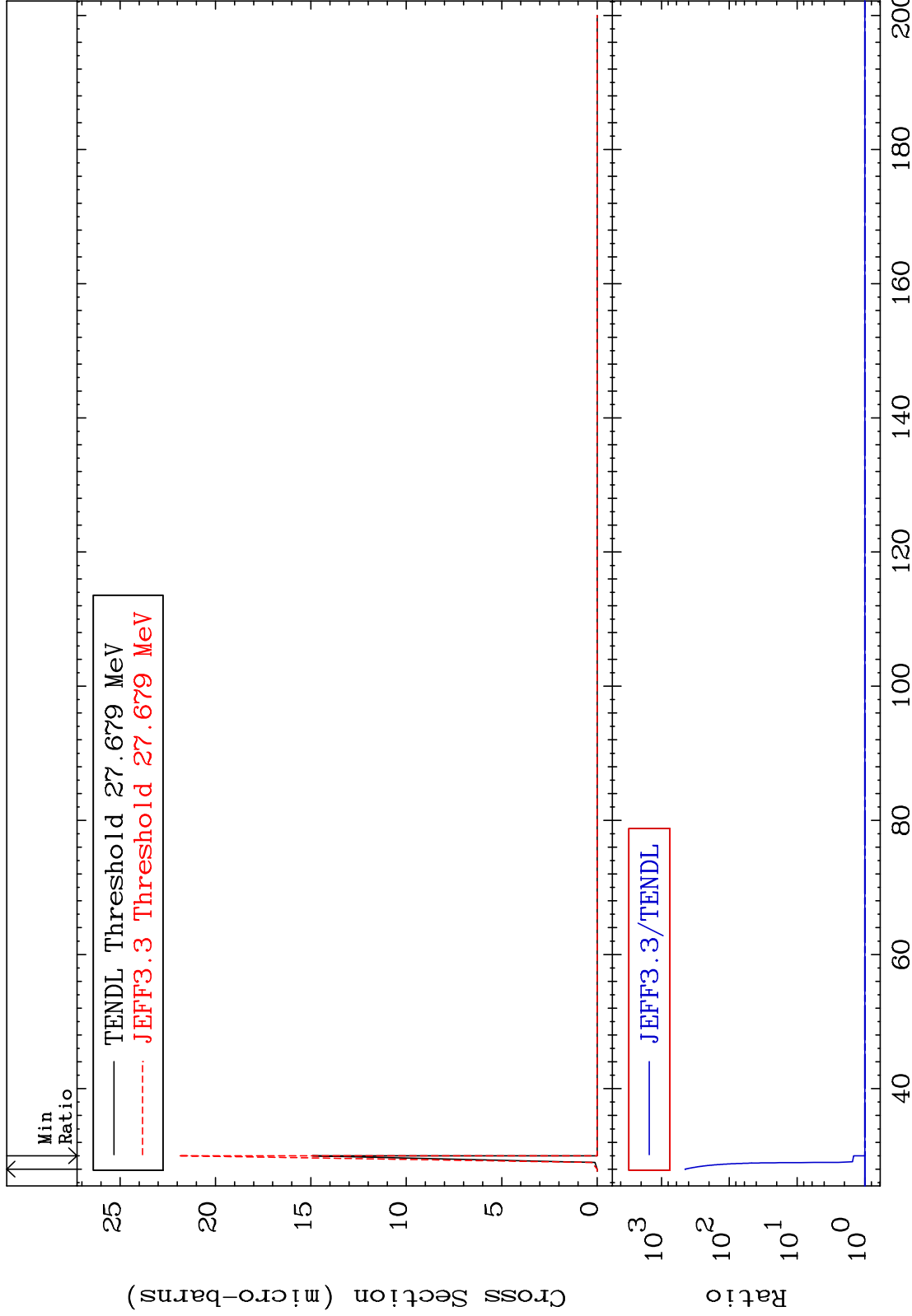
MAT 2328

(n,3n) p

23-V -51

Cross Section

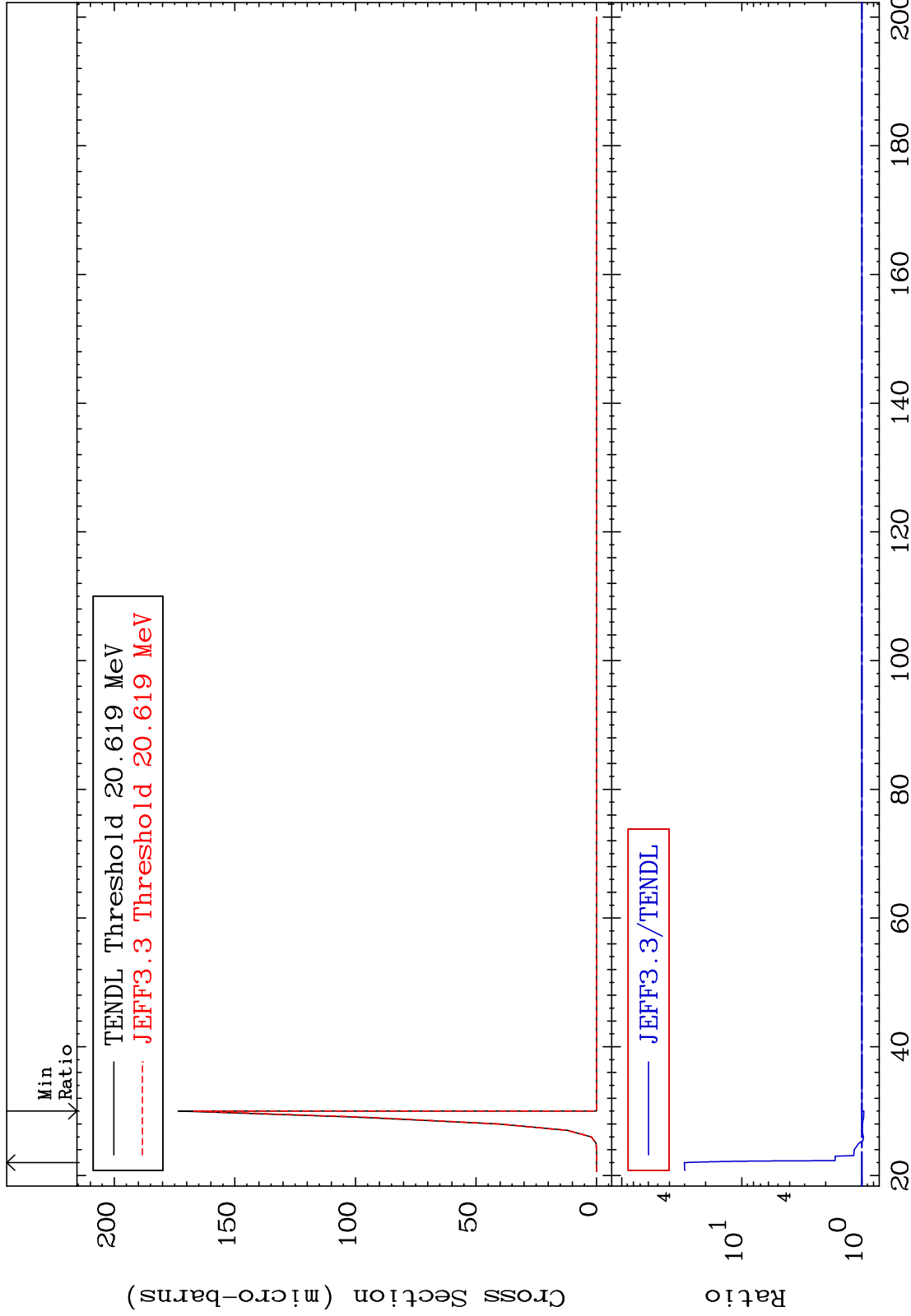
0.000 To 9999. %



MAT 2328

(n,2n) p
Cross Section

23-V -51
-3.771 To 2905. %



15

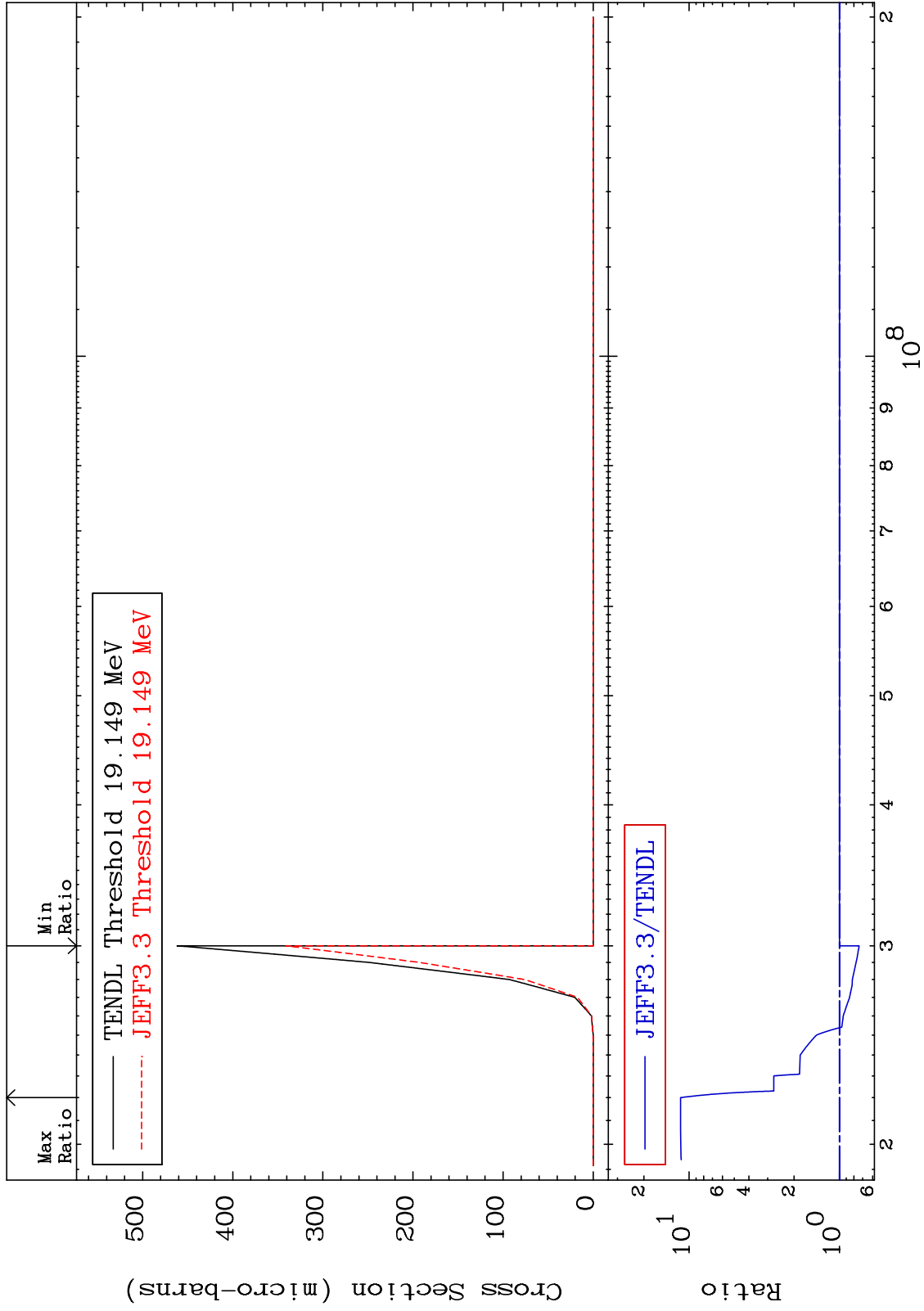
Incident Energy (MeV)

23-V -51

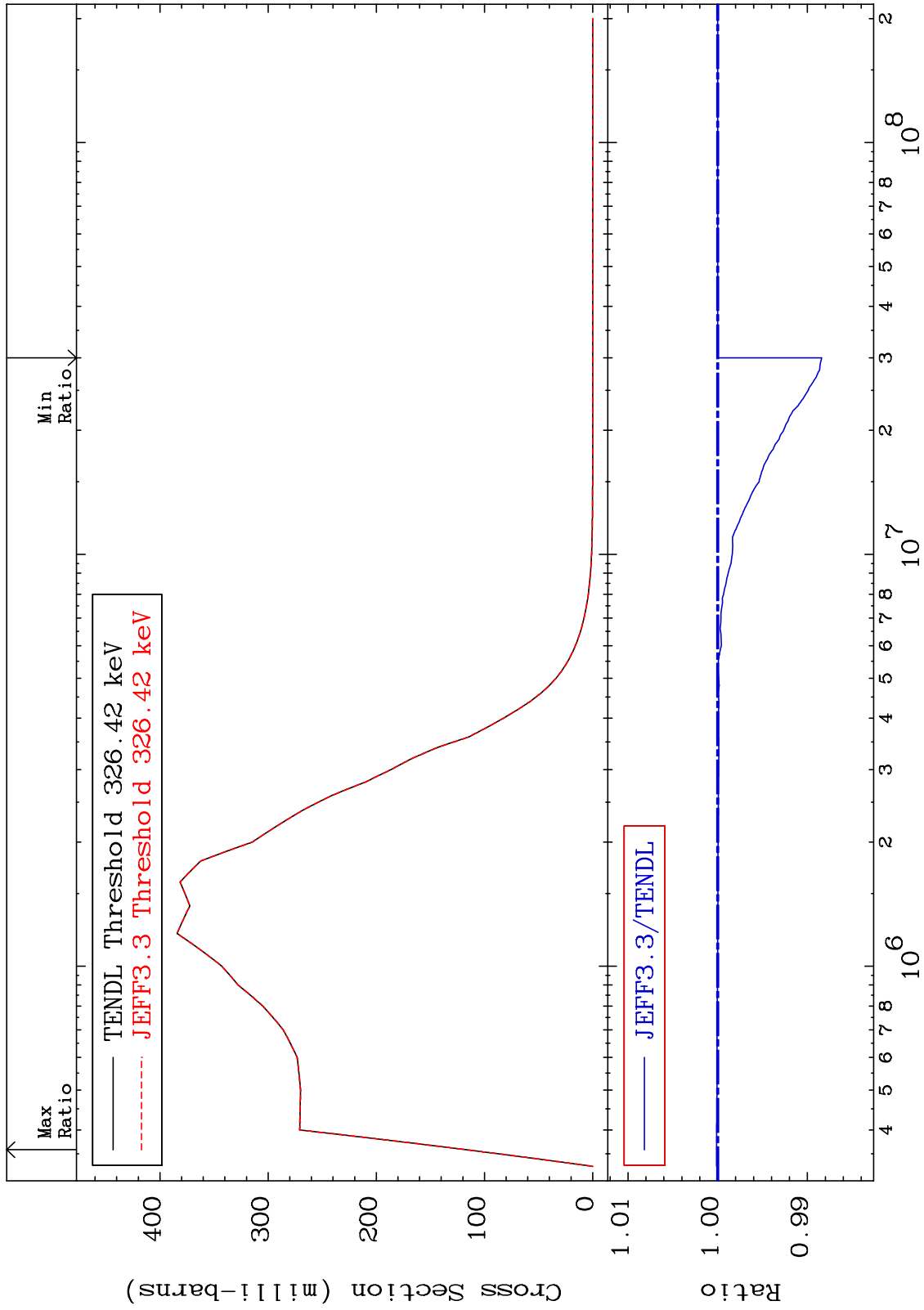
MAT 2328

(n,n') p α
Cross Section

23-V -51
-26.13 To 1039. %



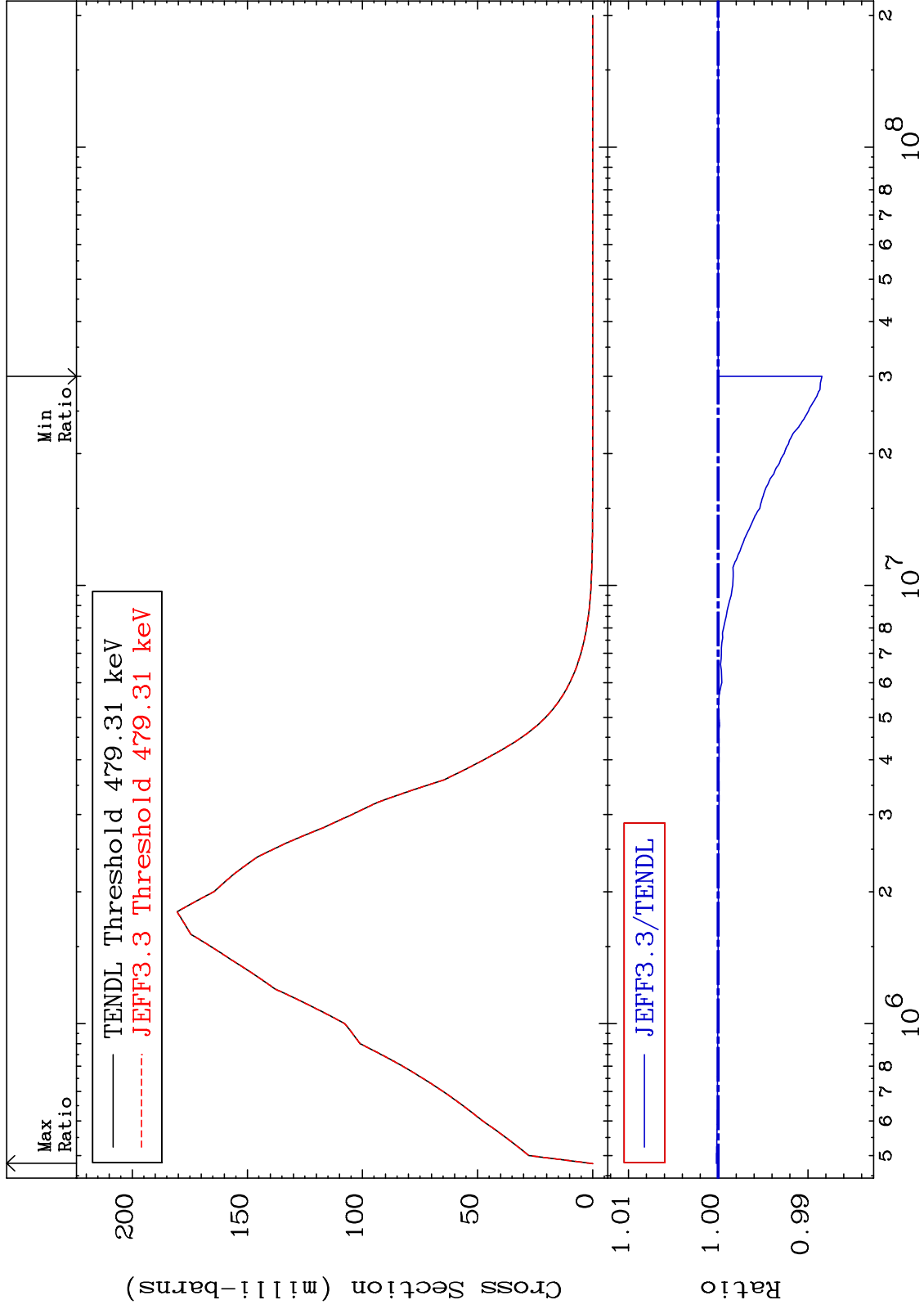
MAT 2328 MT= 51 (n,n') Level Cross Section 23-V -51
 -1.160 To 0.012 %



MAT 2328

MT= 52 (n,n') Level
Cross Section

23-V -51
-1.158 To 0.020 %



18

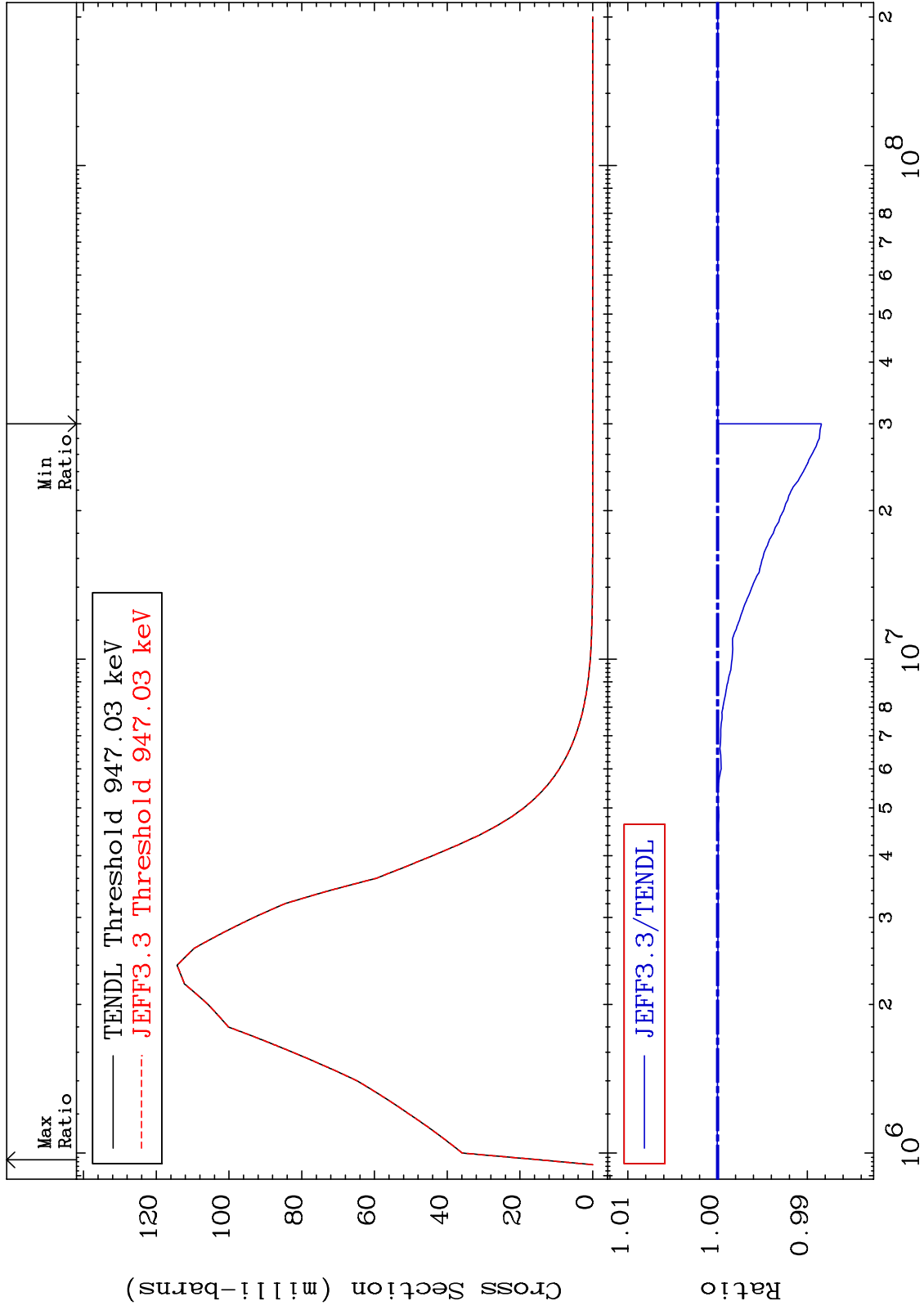
Incident Energy (eV)

23-V -51

MAT 2328

MT= 53 (n,n') Level
Cross Section

23-V -51
-1.157 To 0.006 %

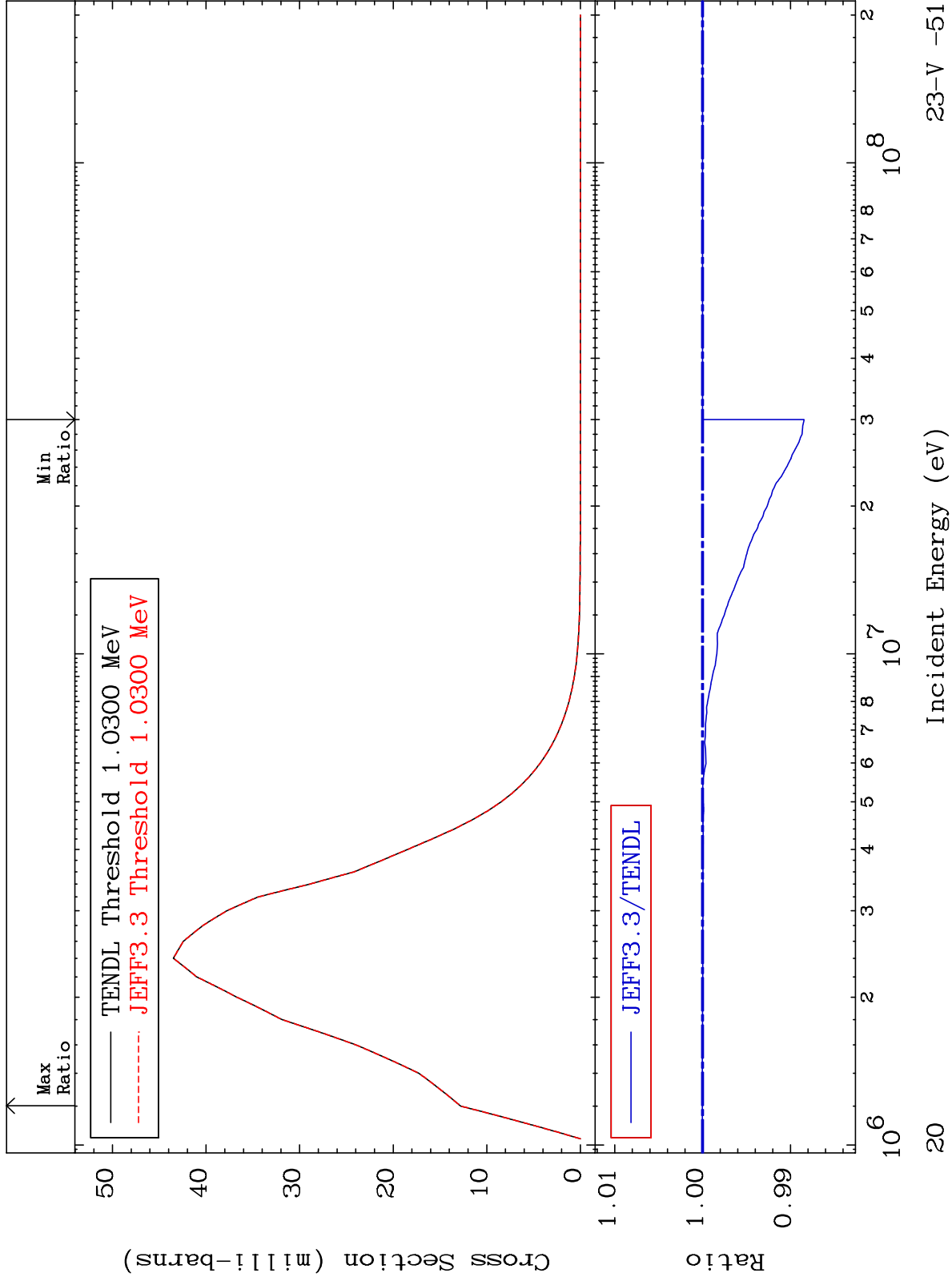


23-V -51

MAT 2328

MT= 54 (n,n') Level
Cross Section

23-V -51
-1.155 To 0.003 %

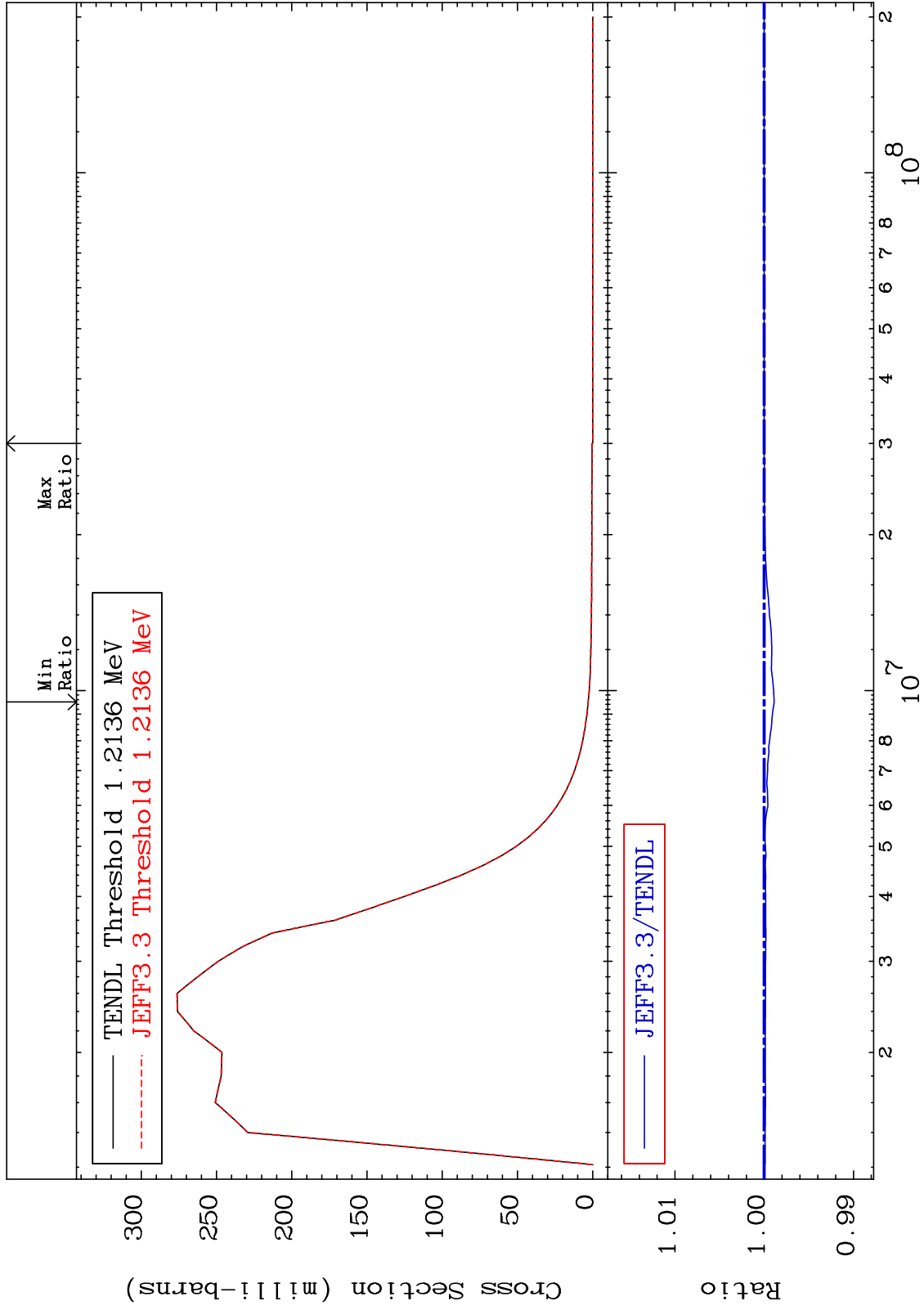


MAT 2328

MT= 55 (n,n') Level

23-V -51

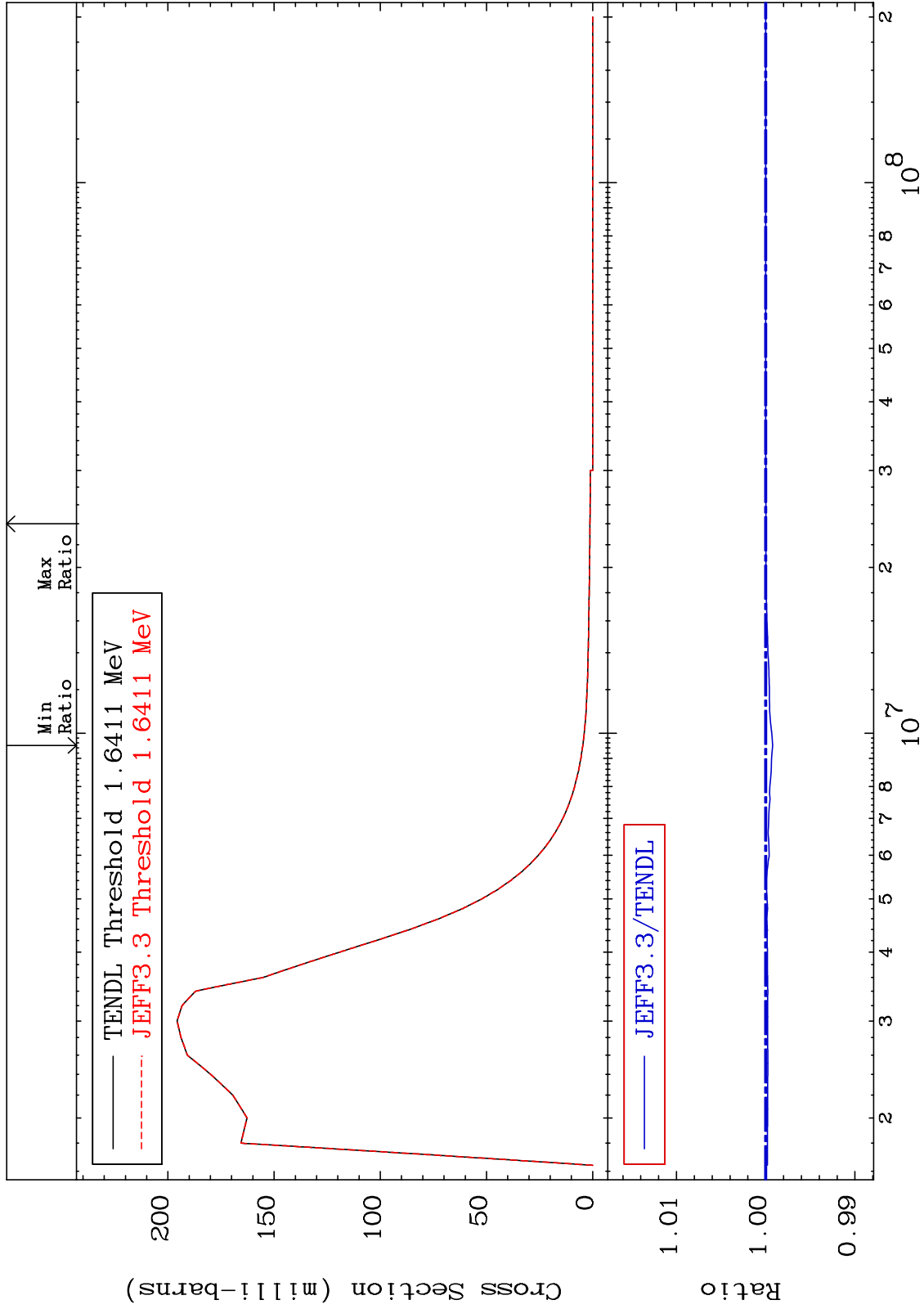
Cross Section
-0.112 To 0.000 %



MAT 2328

MT= 56 (n, n') Level
Cross Section

23-V -51
-0.078 To 0.000 %



22

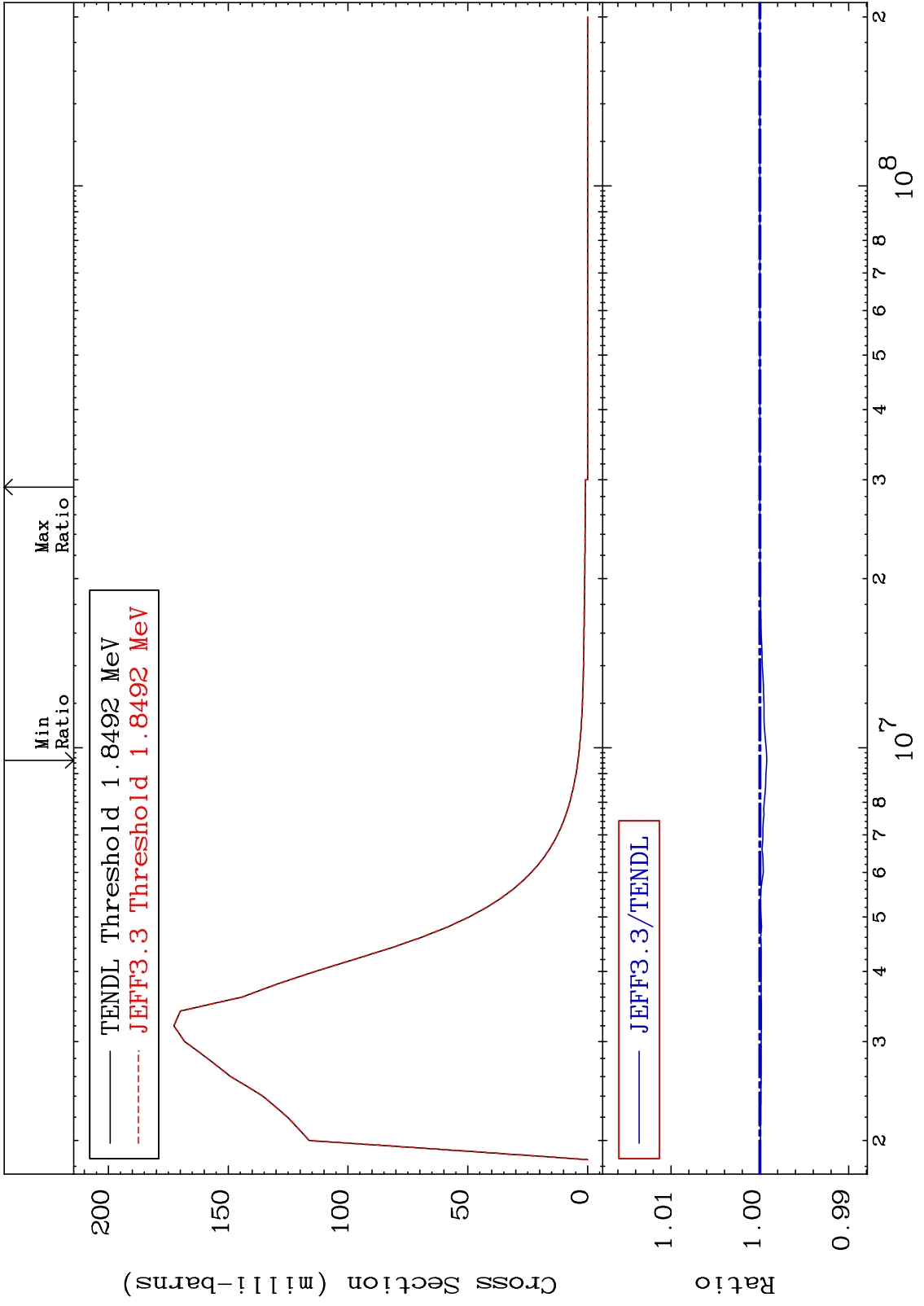
Incident Energy (eV)

23-V -51

MAT 2328

MT= 57 (n,n') Level
Cross Section

23-V -51
-0.078 To 0.000 %



23

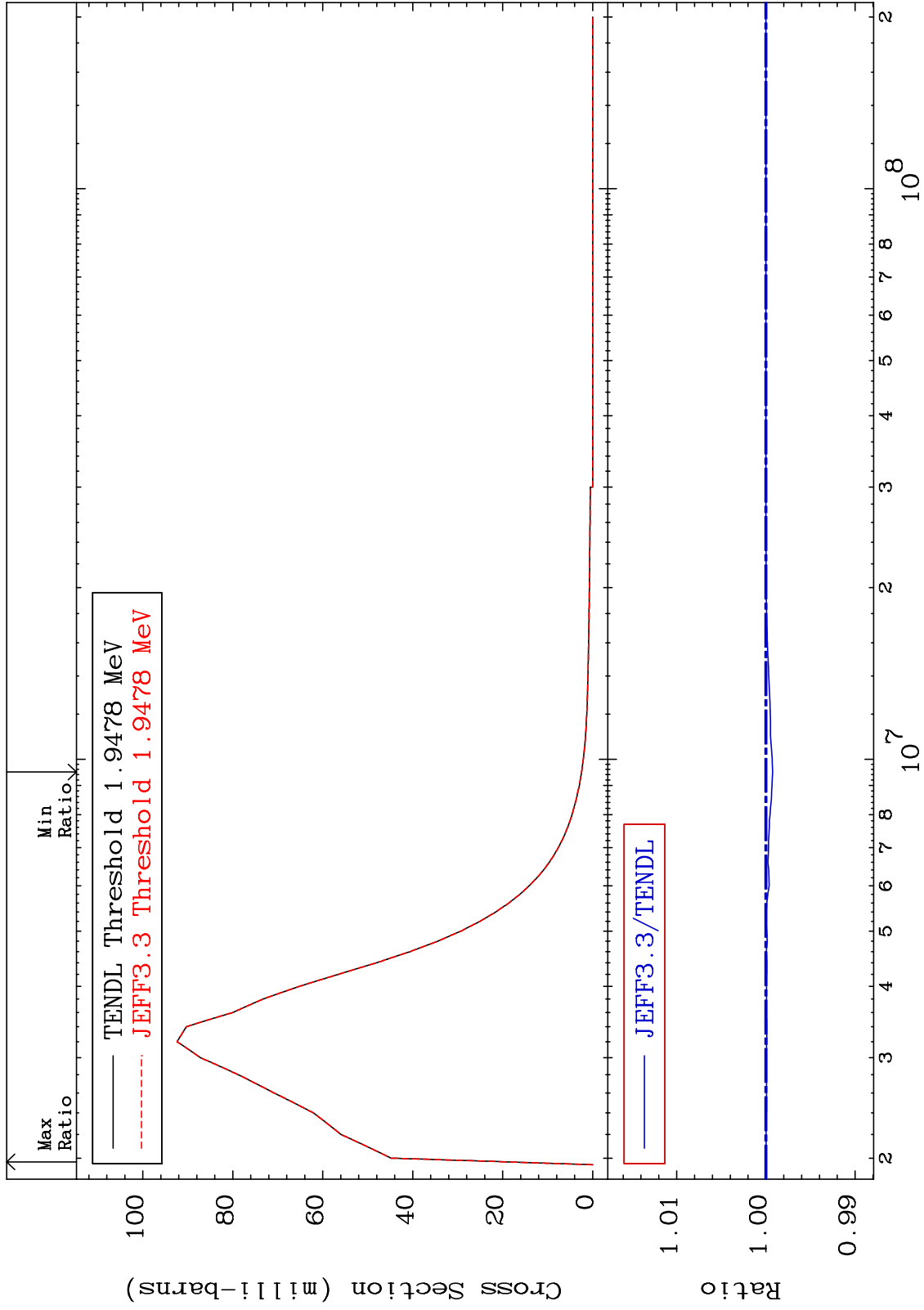
Incident Energy (eV)

23-V -51

MAT 2328

MT= 58 (n,n') Level
Cross Section

23-V -51
-0.075 To 0.001 %



24

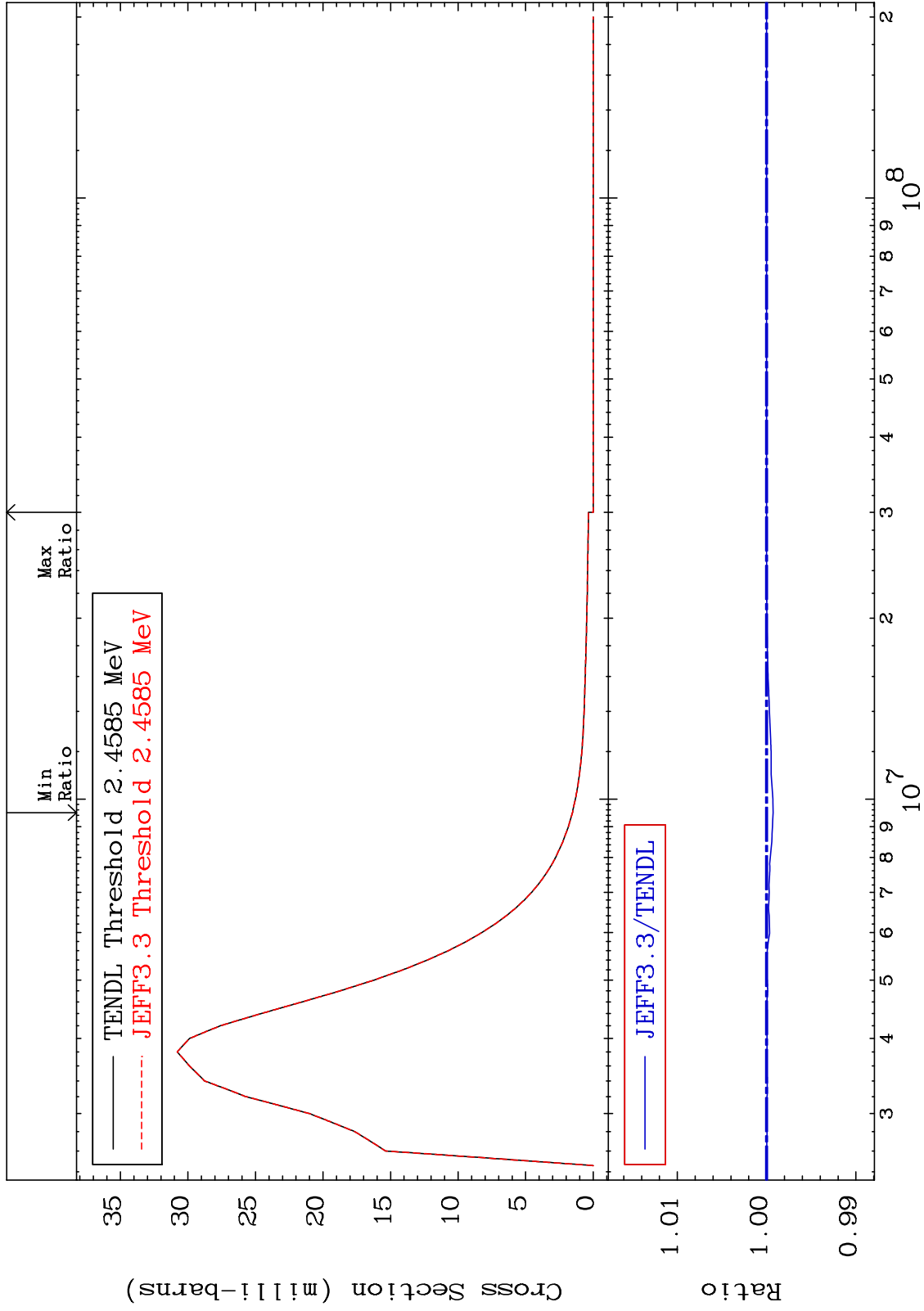
Incident Energy (eV)

23-V -51

MAT 2328

MT= 59 (n, n') Level
Cross Section

23-V -51
-0.073 To 0.000 %



25

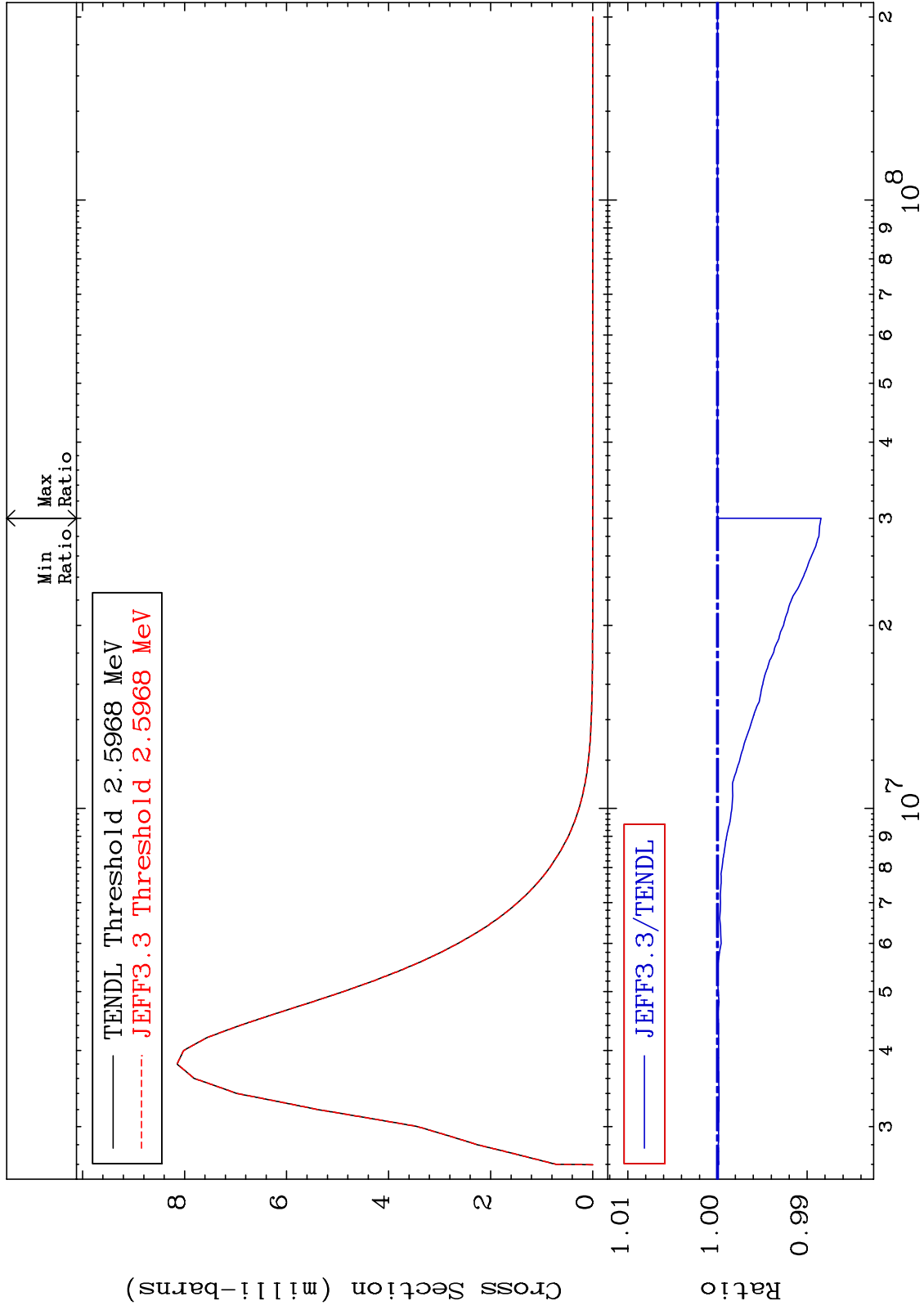
Incident Energy (eV)

23-V -51

MAT 2328

MT= 60 (n, n') Level
Cross Section

23-V -51
-1.154 To 0.000 %



26

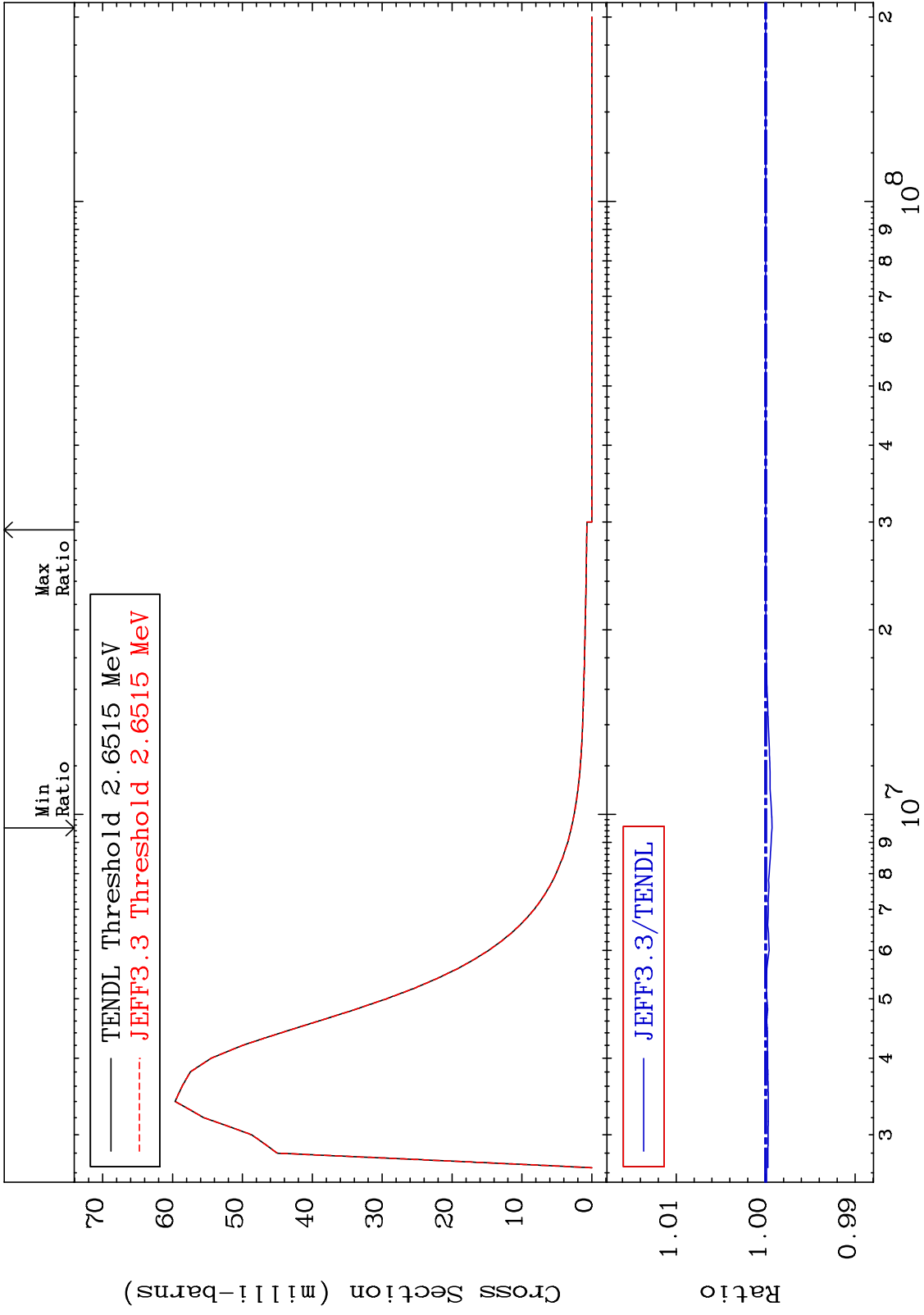
Incident Energy (eV)

23-V -51

MAT 2328

MT= 61 (n, n') Level
Cross Section

23-V -51
-0.071 To 0.000 %



27

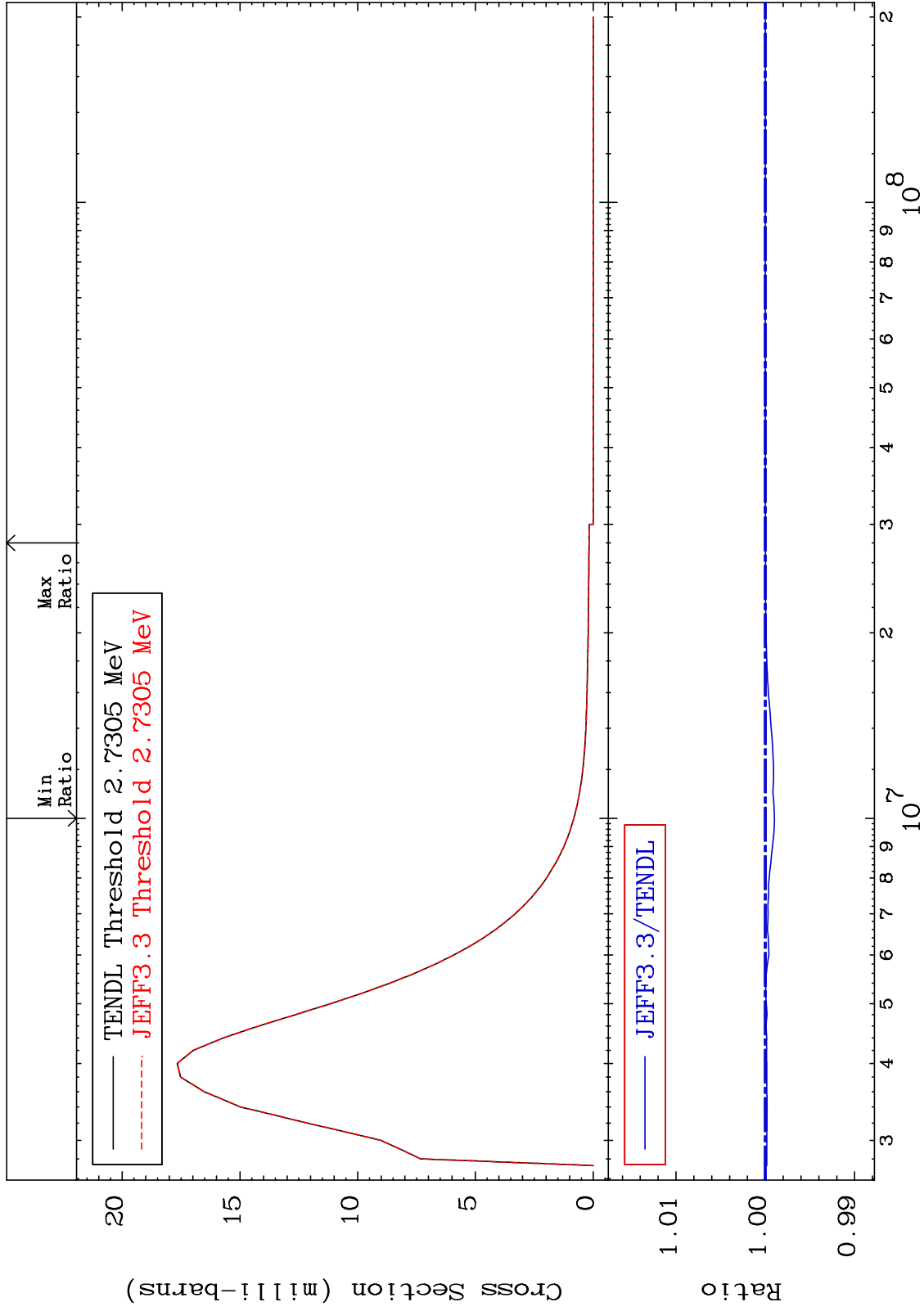
Incident Energy (eV)

23-V -51

MAT 2328

MT= 62 (n, n') Level
Cross Section

23-V -51
-0.102 To 0.000 %



28

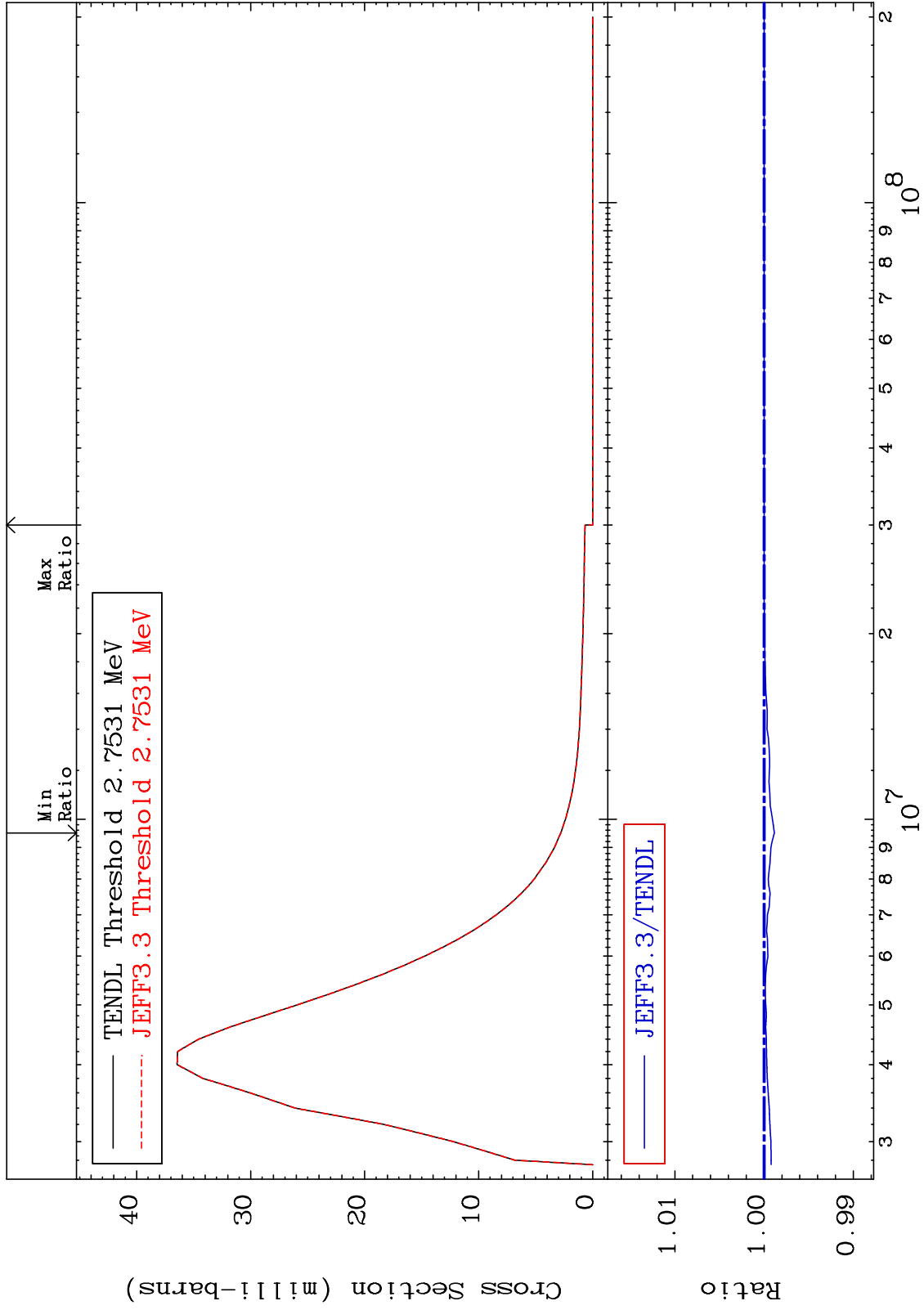
Incident Energy (eV)

23-V -51

MAT 2328

MT= 63 (n, n') Level
Cross Section

23-V -51
-0.115 To 0.000 %



29

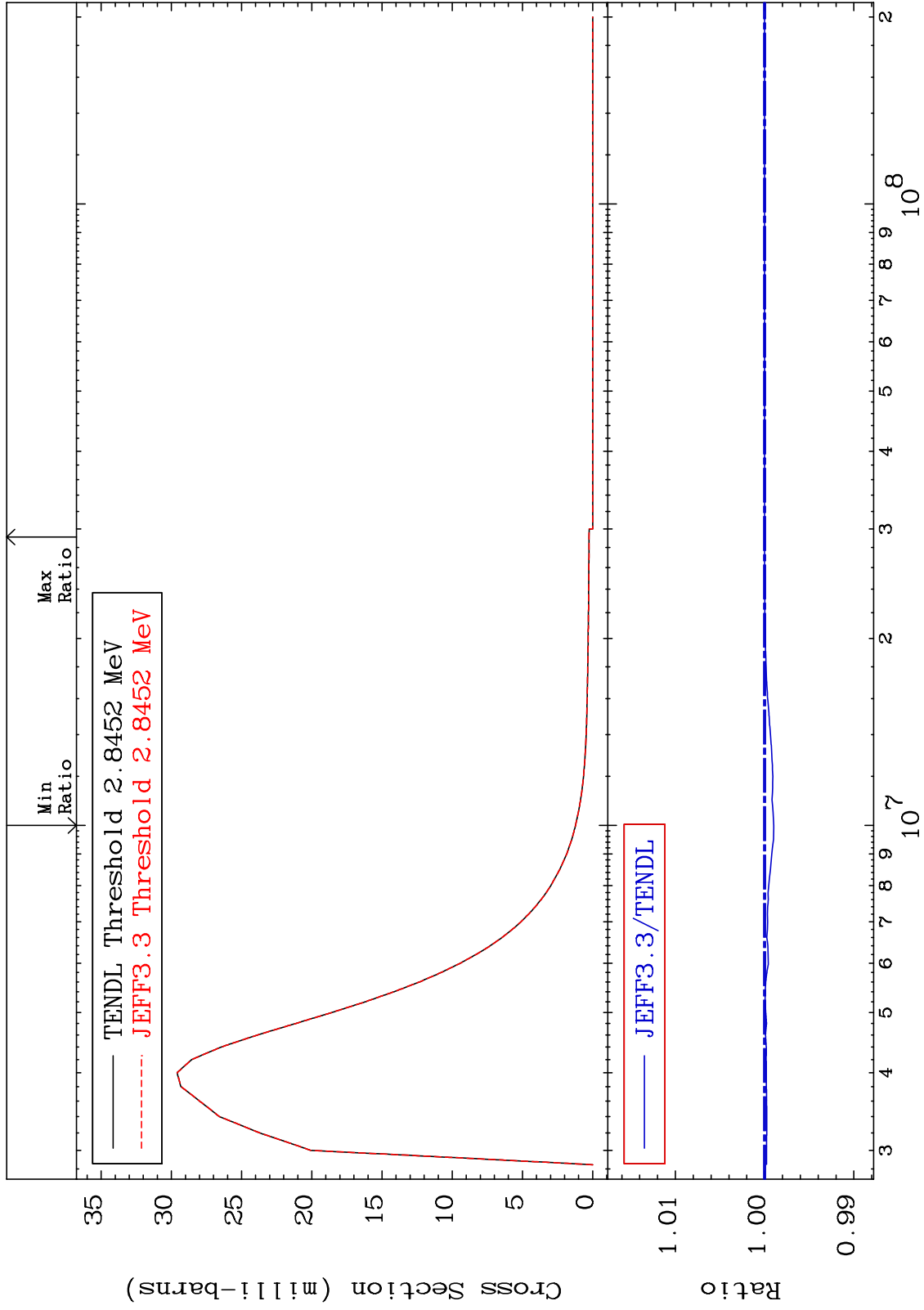
Incident Energy (eV)

23-V -51

MAT 2328

MT= 64 (n, n') Level
Cross Section

23-V -51
-0.103 To 0.000 %



30

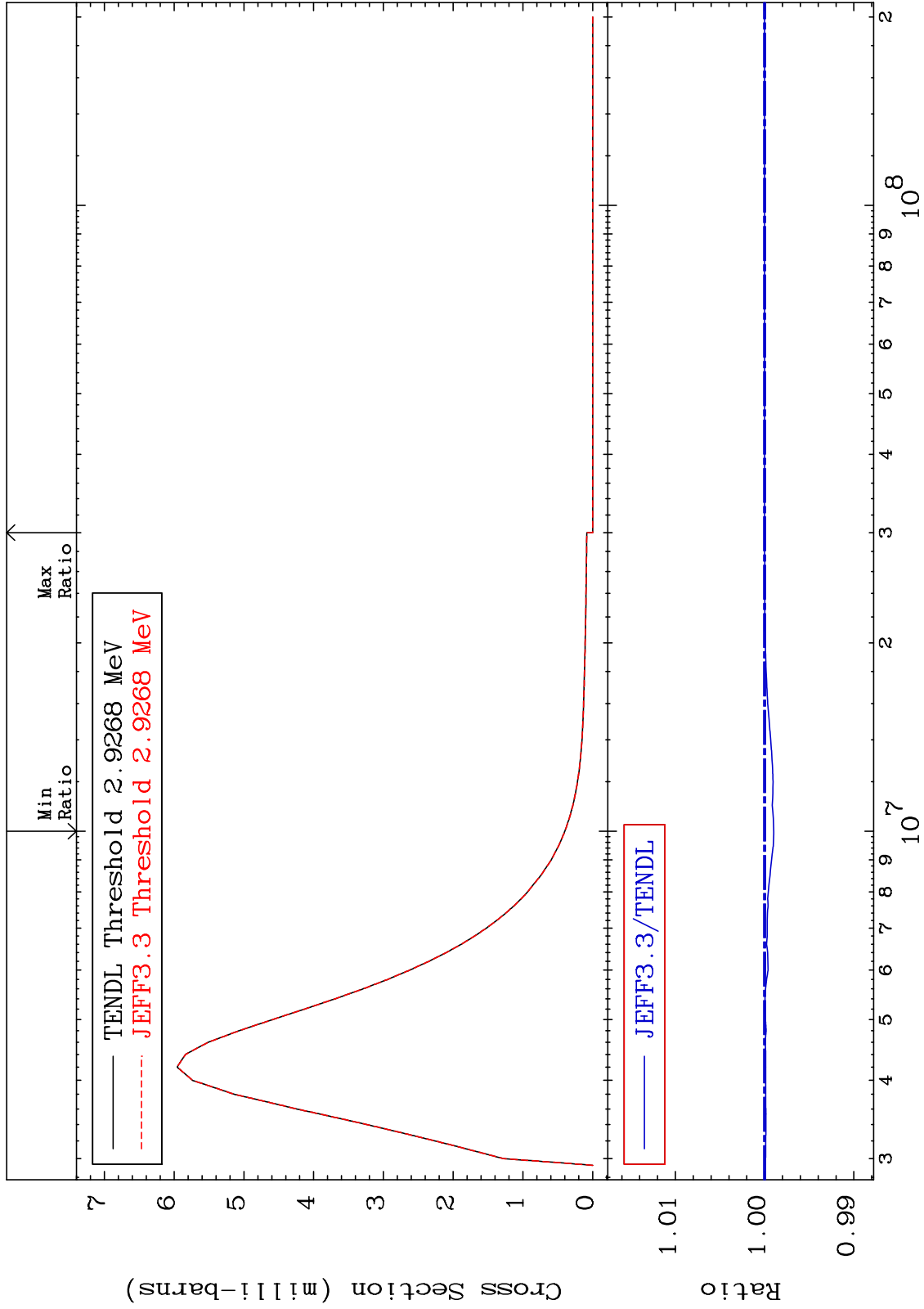
Incident Energy (eV)

23-V -51

MAT 2328

MT= 65 (n, n') Level
Cross Section

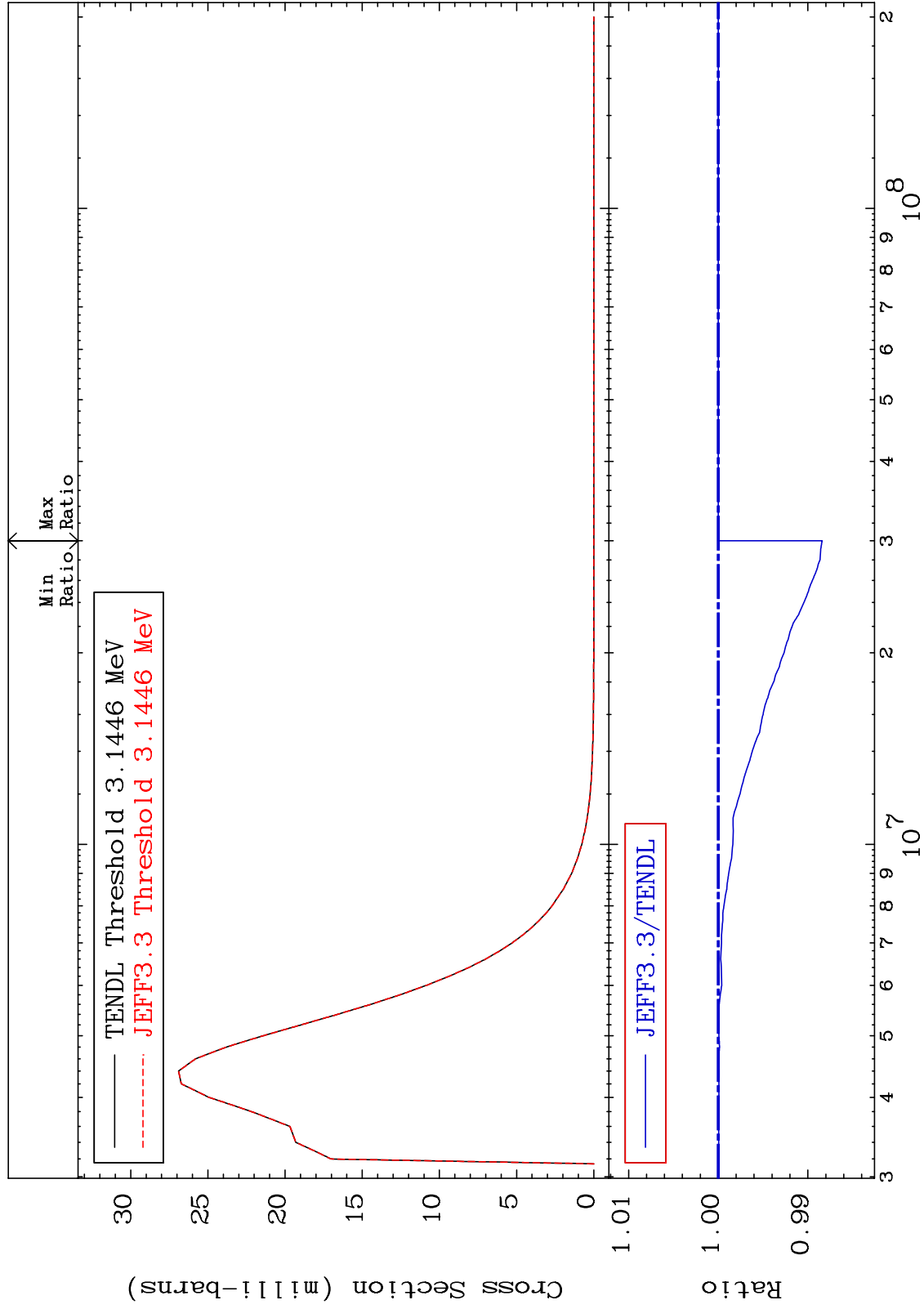
23-V -51
-0.102 To 0.000 %



MAT 2328

MT= 66 (n, n') Level
Cross Section

23-V -51
-1.159 To 0.000 %



32

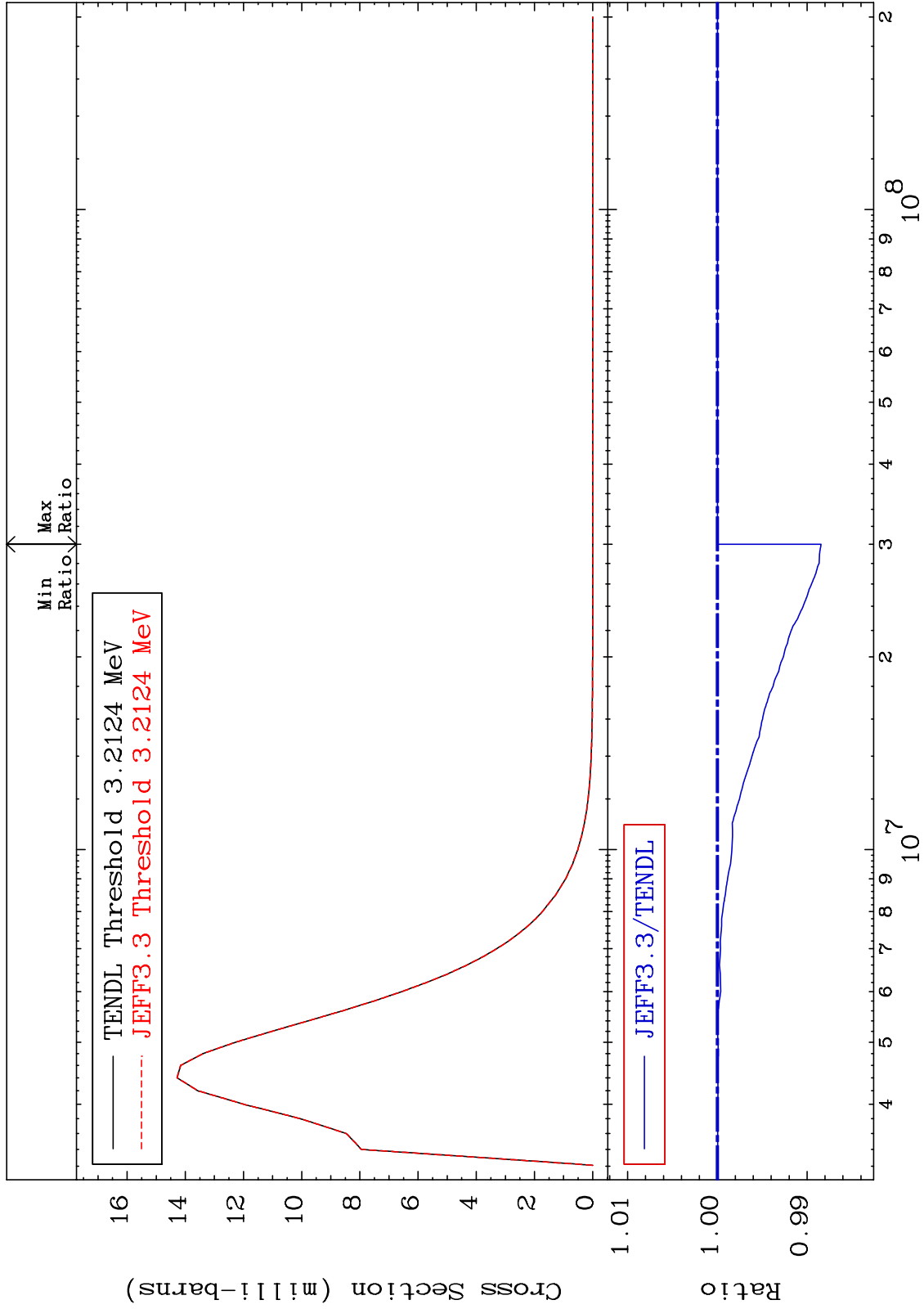
Incident Energy (eV)

23-V -51

MAT 2328

MT= 67 (n, n') Level
Cross Section

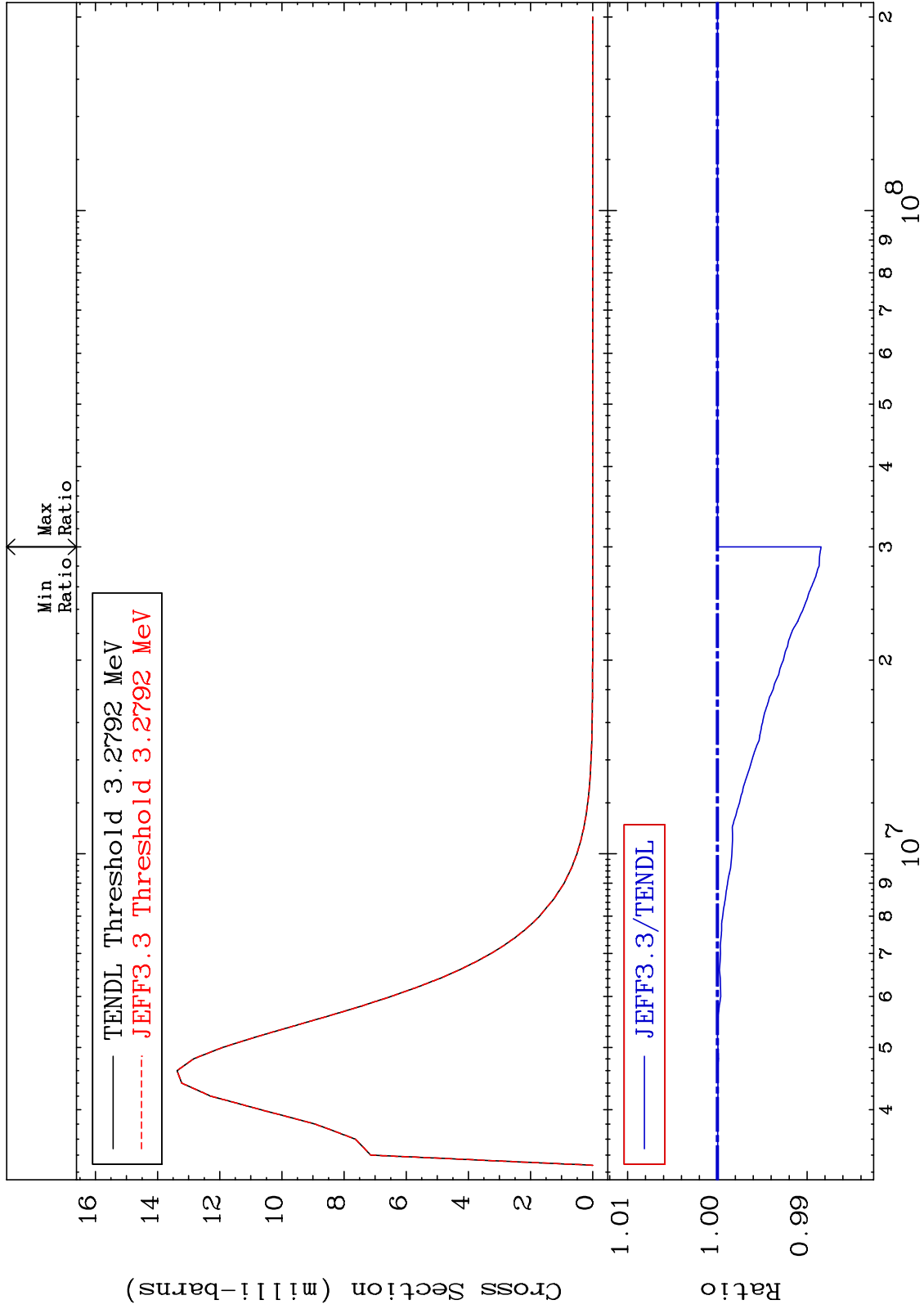
23-V -51
-1.156 To 0.000 %



MAT 2328

MT= 68 (n,n') Level
Cross Section

23-V -51
-1.156 To 0.000 %



34

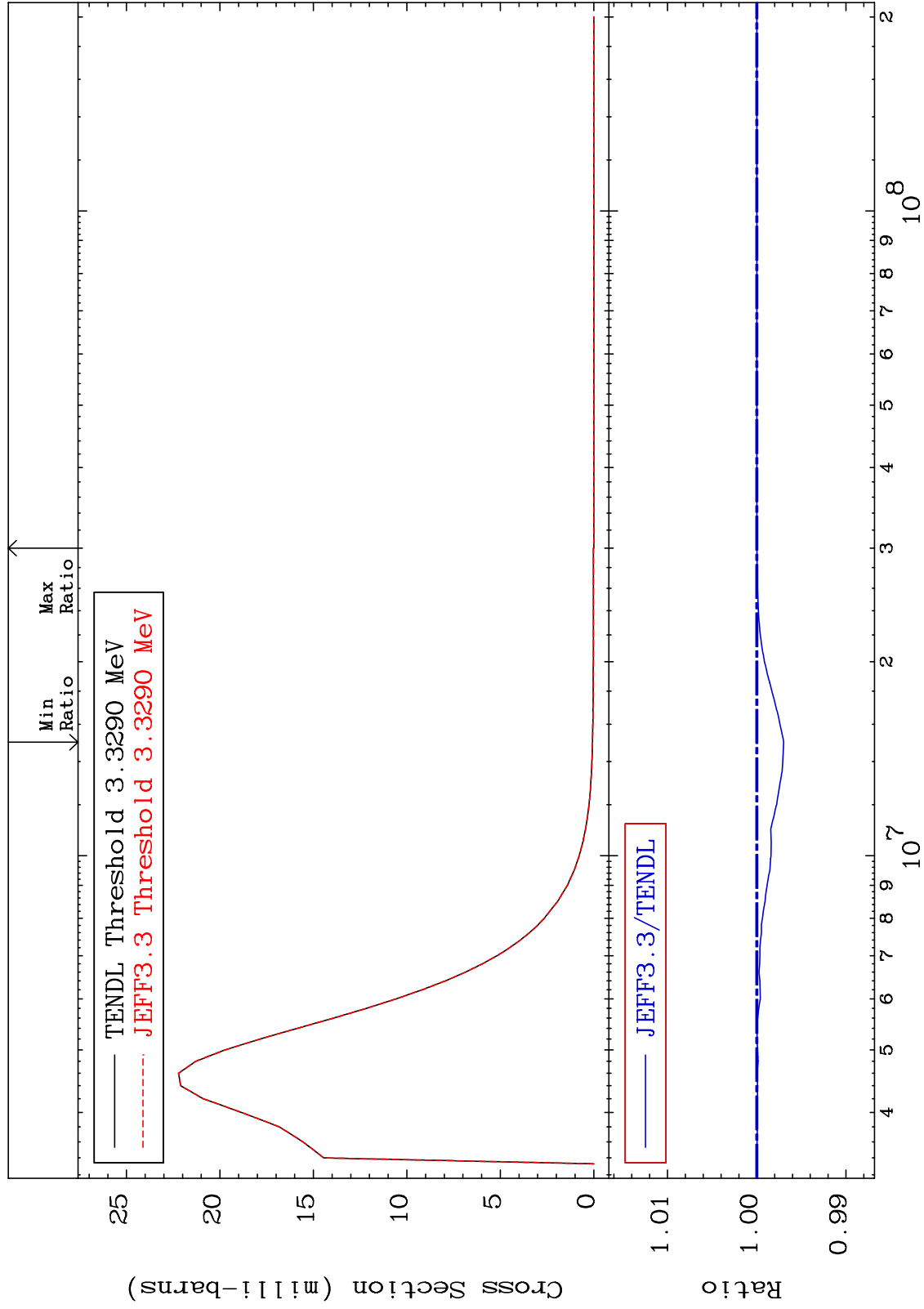
Incident Energy (eV)

23-V -51

MAT 2328

MT= 69 (n,n') Level
Cross Section

23-V -51
-0.301 To 0.000 %



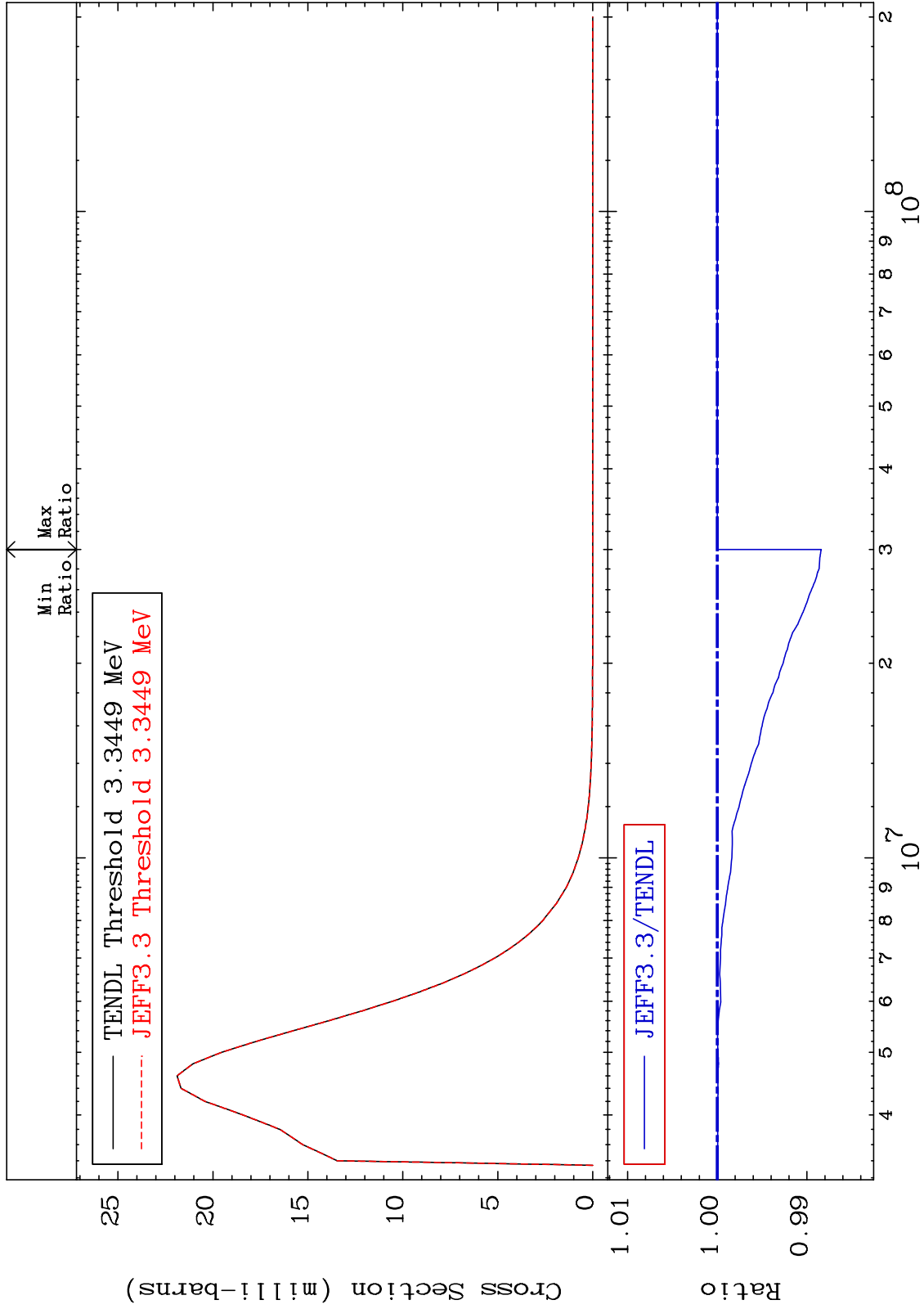
35

23-V -51

MAT 2328

MT= 70 (n,n') Level
Cross Section

23-V -51
-1.159 To 0.000 %



36

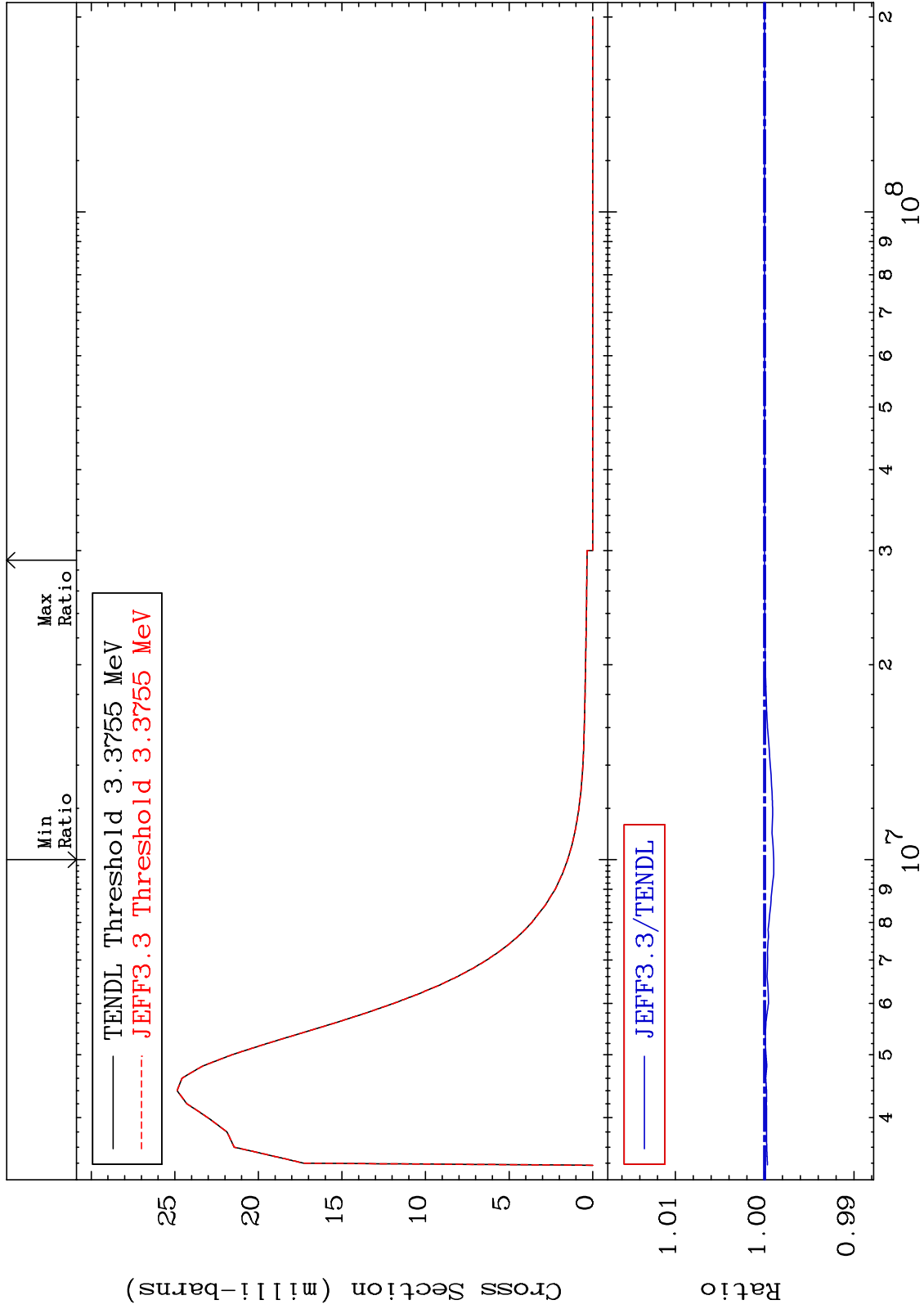
Incident Energy (eV)

23-V -51

MAT 2328

MT= 71 (n,n') Level
Cross Section

23-V -51
-0.102 To 0.000 %



37

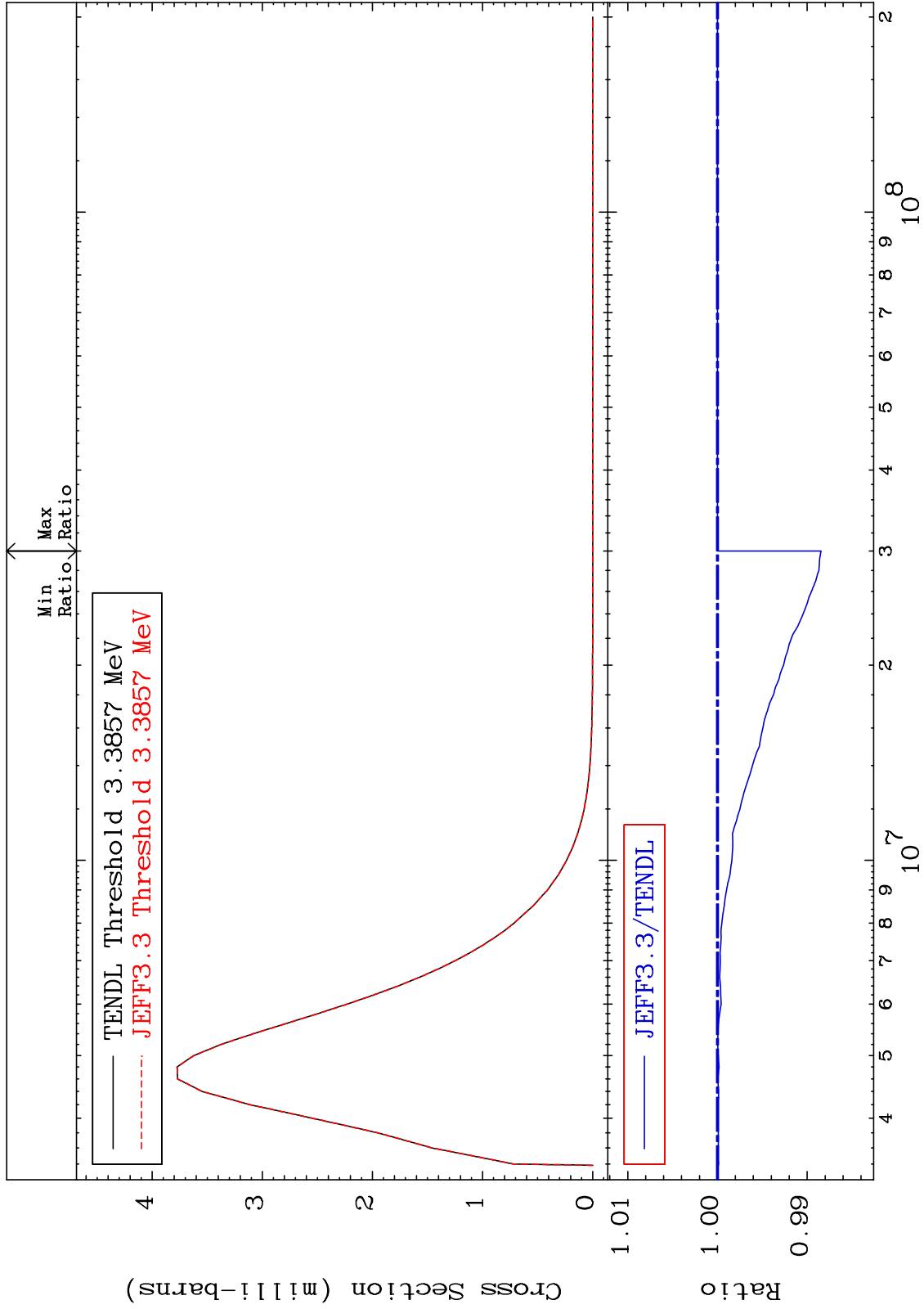
Incident Energy (eV)

23-V -51

MAT 2328

MT= 72 (n, n') Level
Cross Section

23-V -51
-1.154 To 0.000 %



38

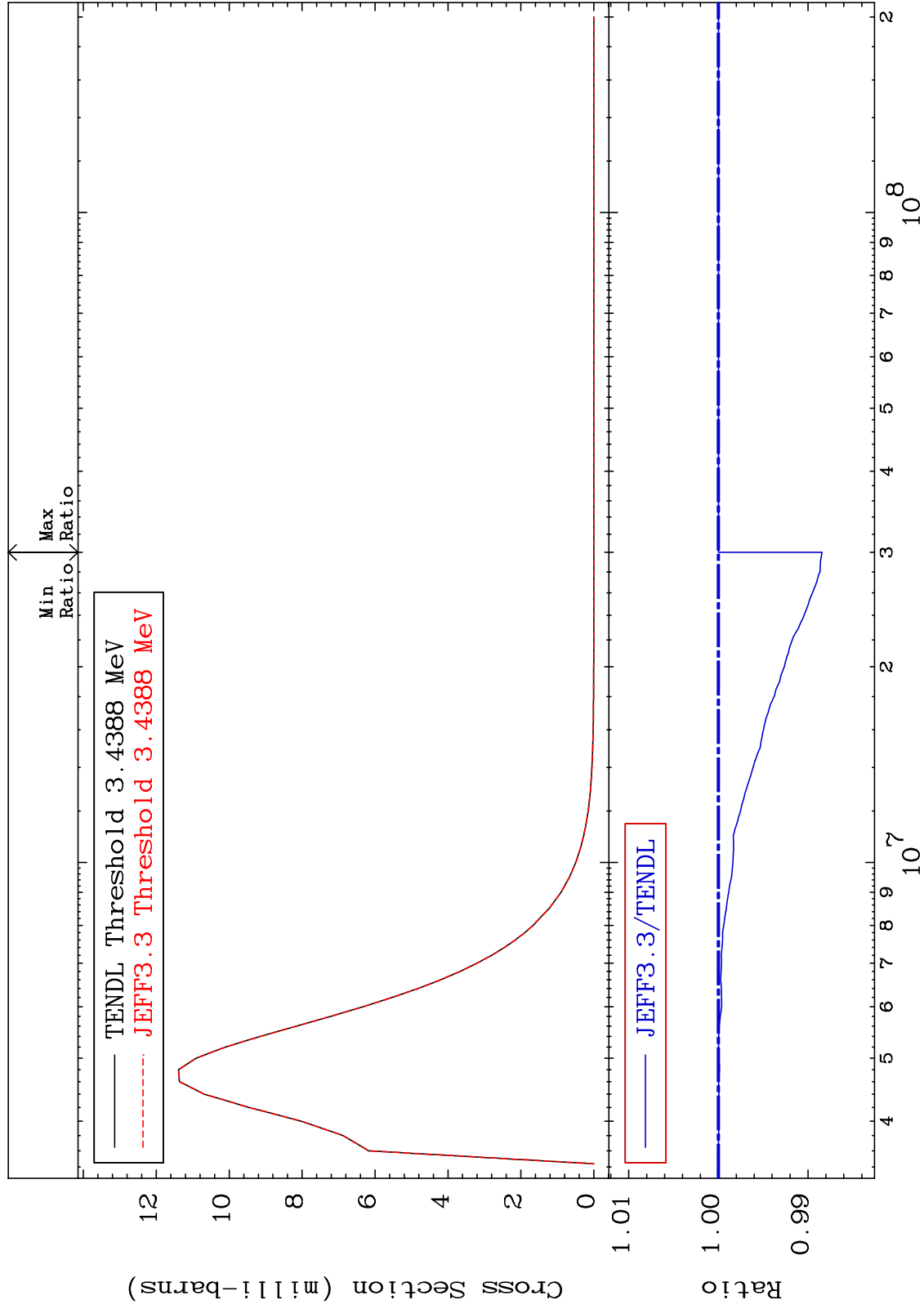
Incident Energy (eV)

23-V -51

MAT 2328

MT= 73 (n, n') Level
Cross Section

23-V -51
-1.156 To 0.000 %



39

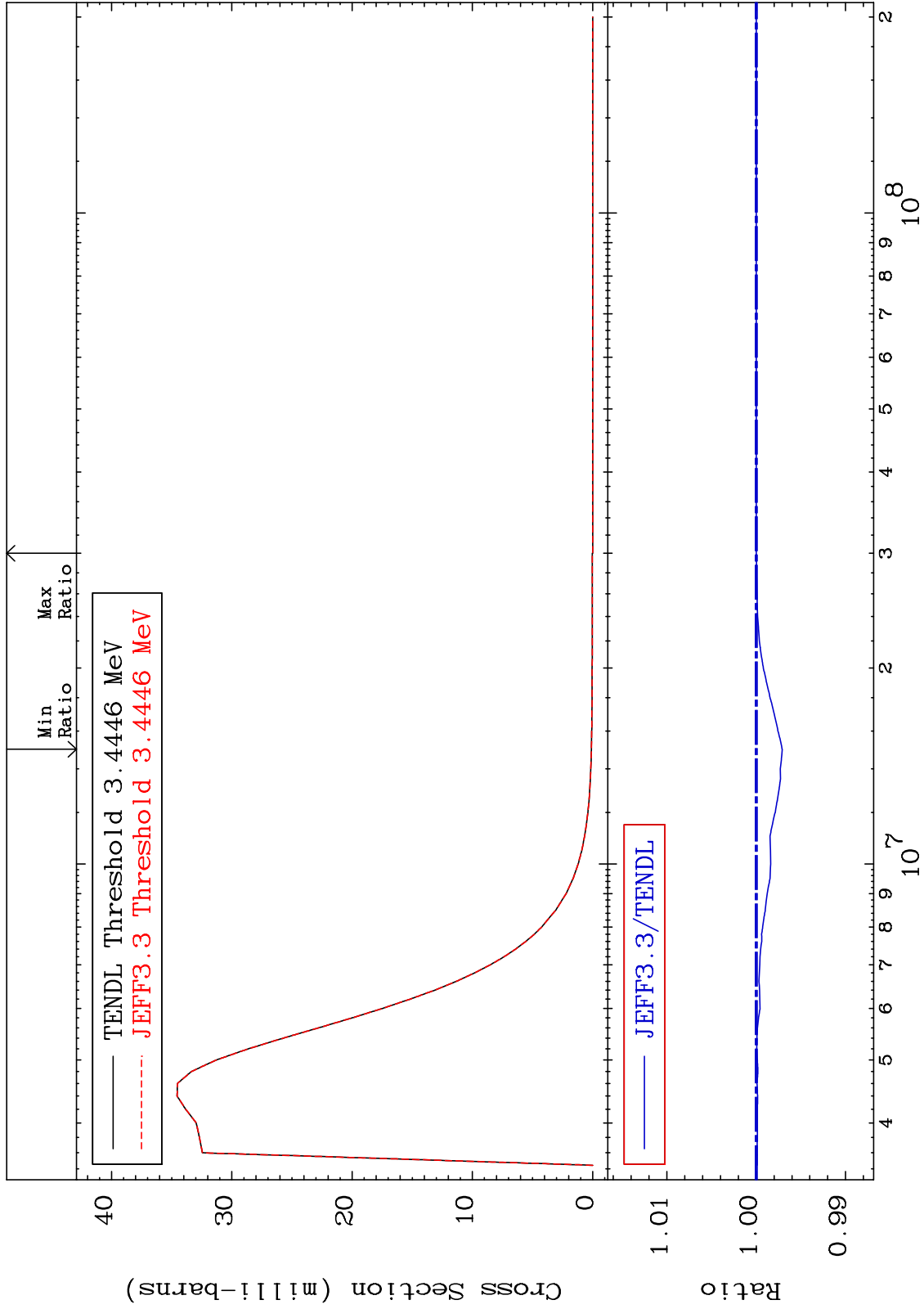
Incident Energy (eV)

23-V -51

MAT 2328

MT= 74 (n,n') Level
Cross Section

23-V -51
-0.291 To 0.000 %



40

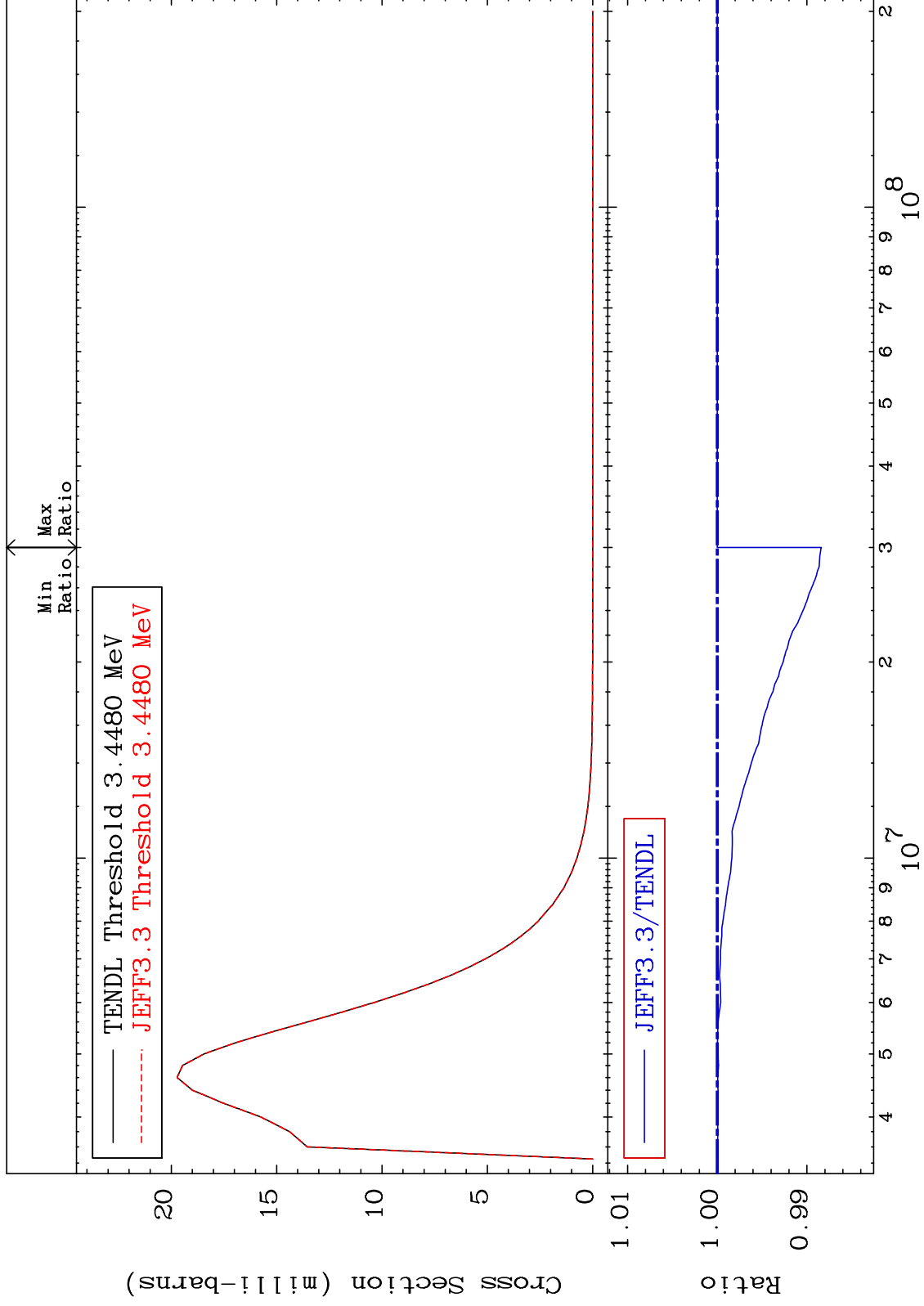
Incident Energy (eV)

23-V -51

MAT 2328

MT= 75 (n,n') Level
Cross Section

23-V -51
-1.159 To 0.000 %



41

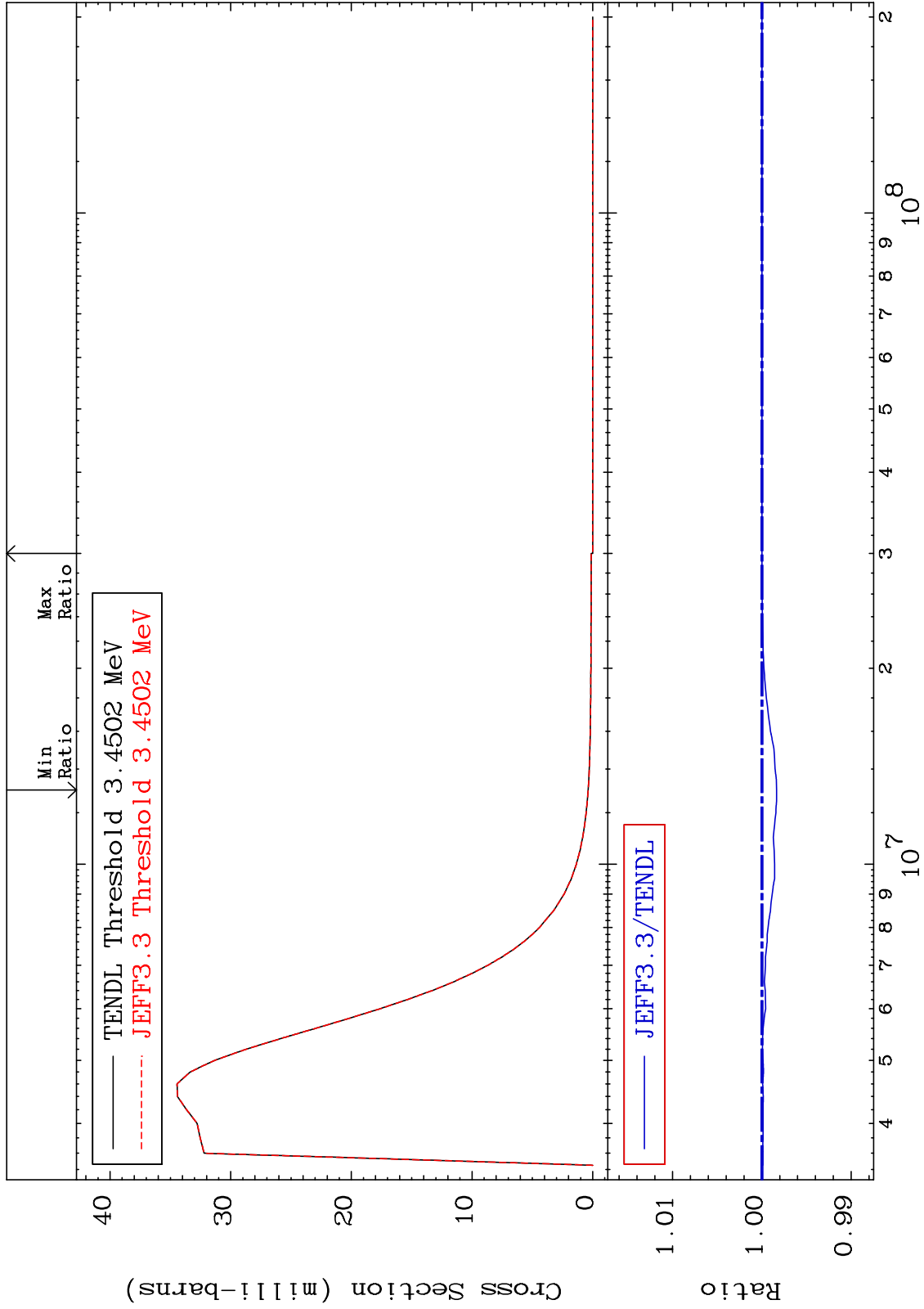
Incident Energy (eV)

23-V -51

MAT 2328

MT= 76 (n,n') Level
Cross Section

23-V -51
-0.164 To 0.000 %



42

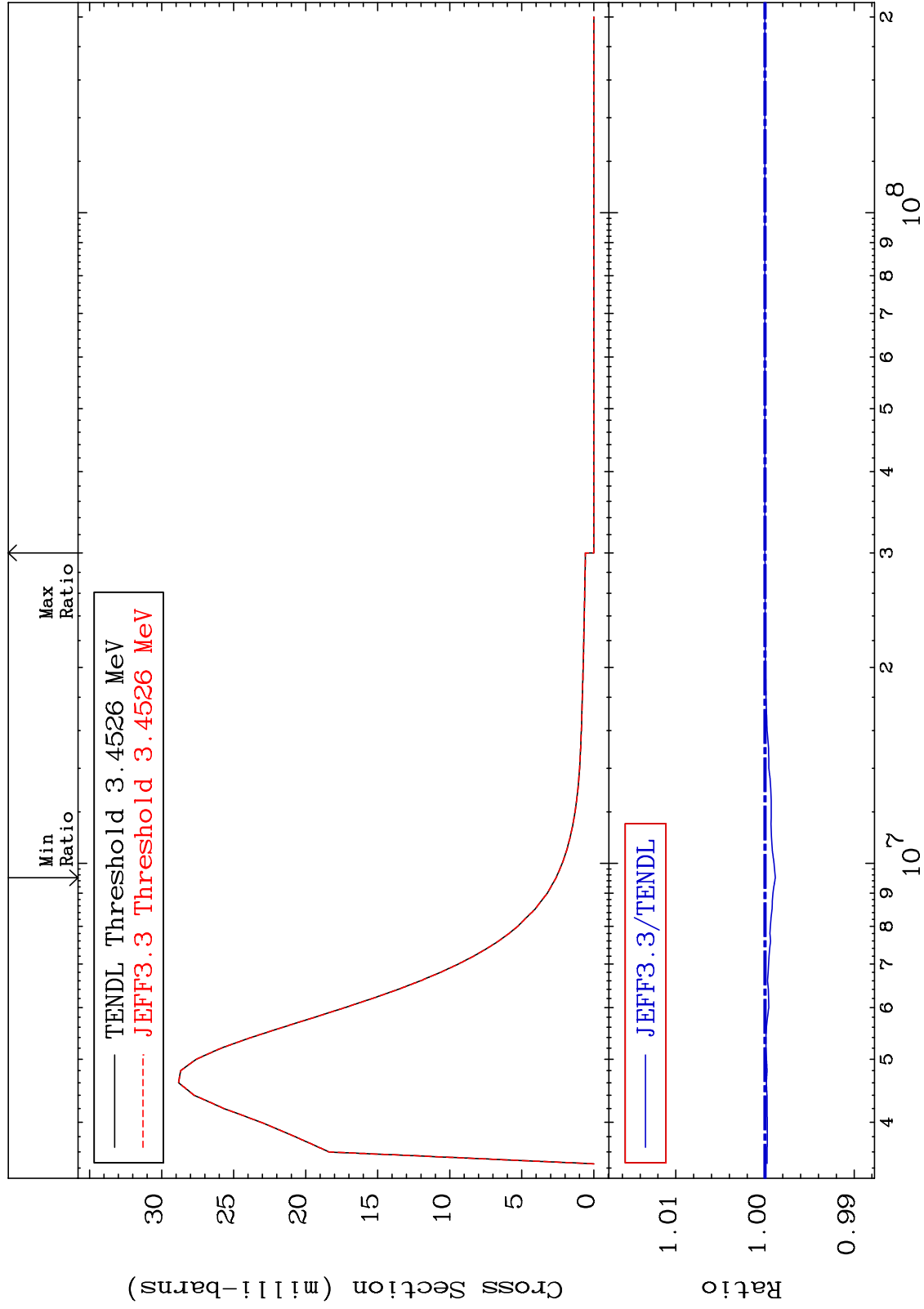
Incident Energy (eV)

23-V -51

MAT 2328

MT= 77 (n, n') Level
Cross Section

23-V -51
-0.116 To 0.000 %



43

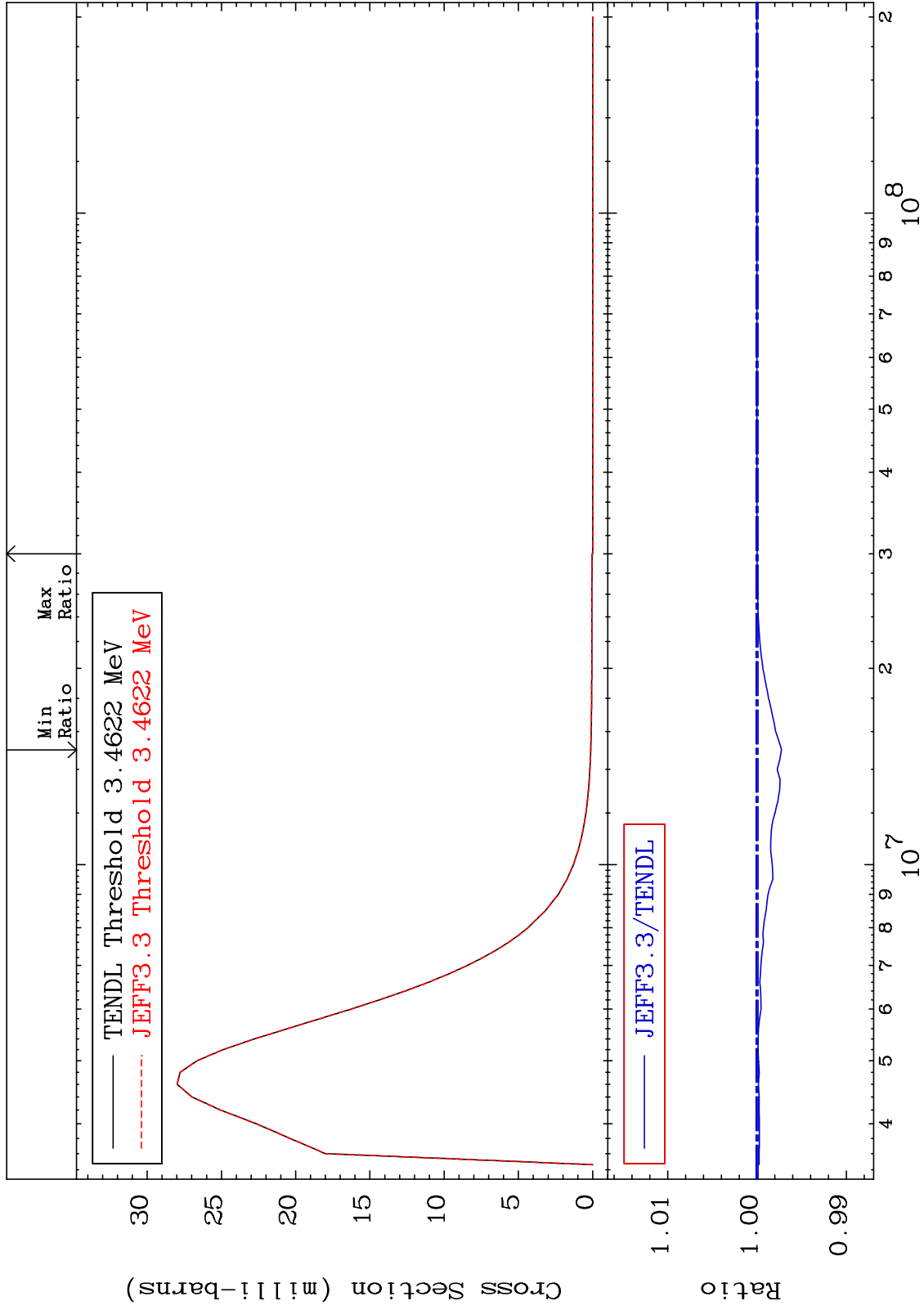
Incident Energy (eV)

23-V -51

MAT 2328

MT= 78 (n,n') Level
Cross Section

23-V -51
-0.272 To 0.000 %



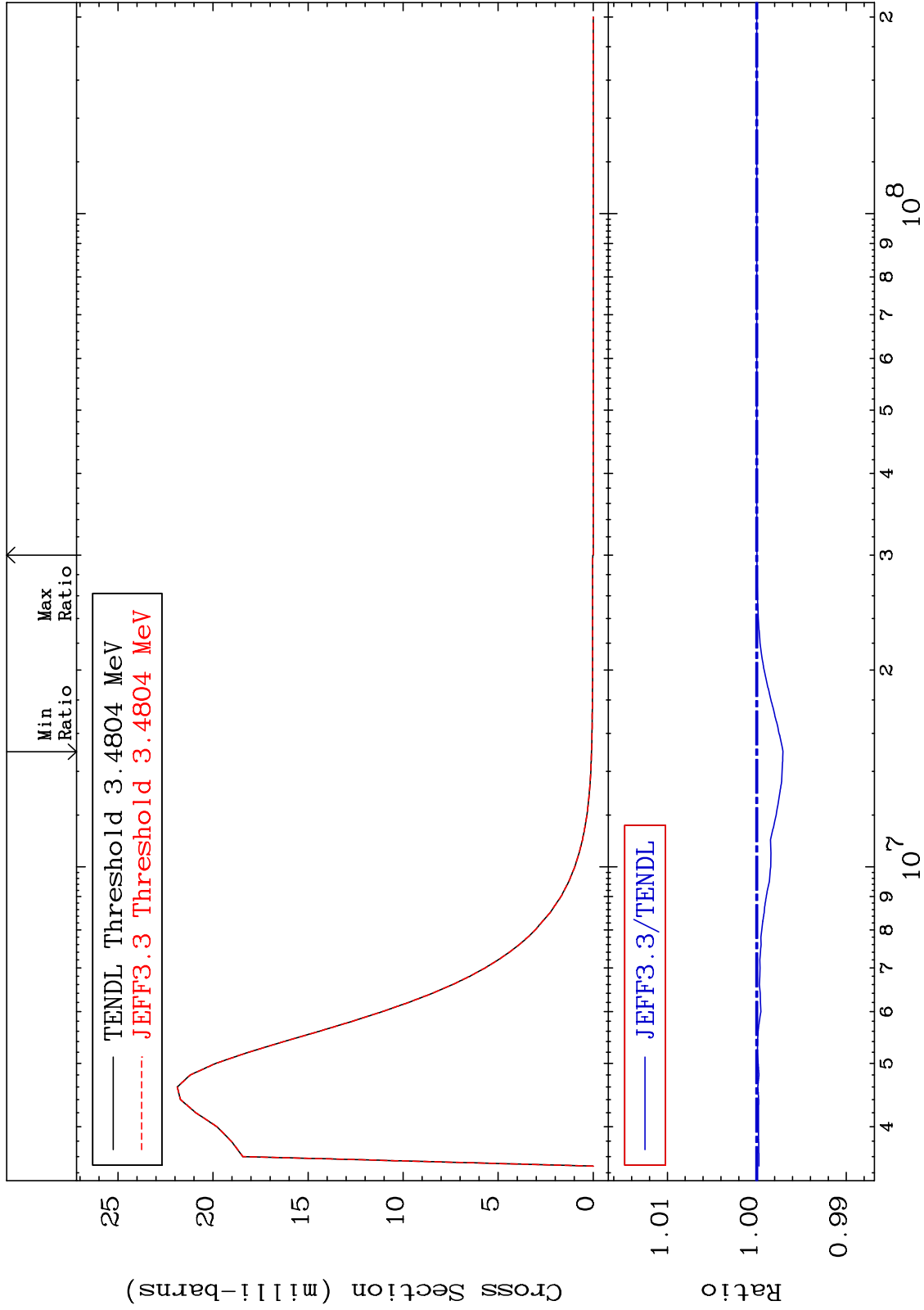
44

23-V -51

MAT 2328

MT= 79 (n,n') Level
Cross Section

23-V -51
-0.294 To 0.000 %



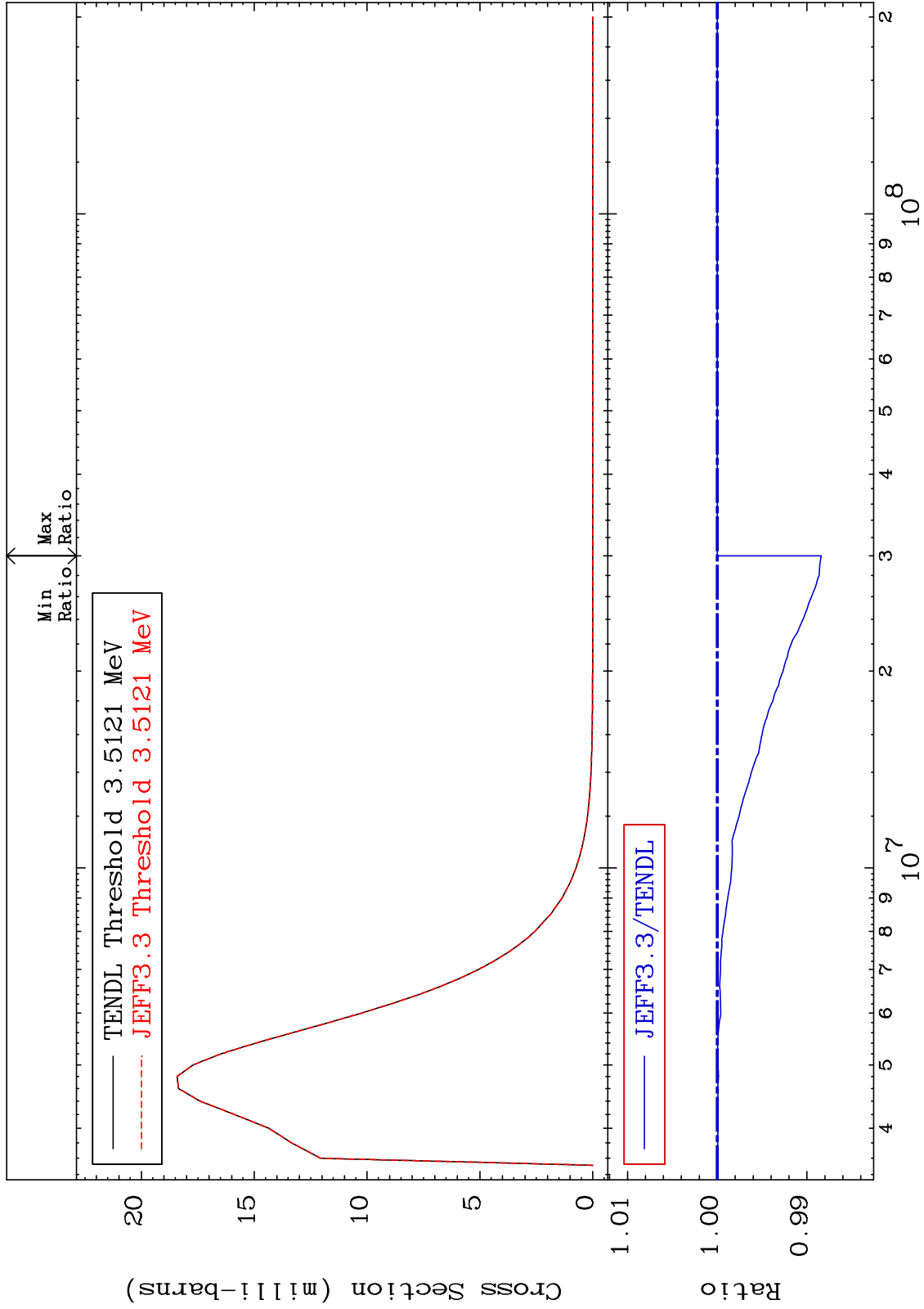
45

23-V -51

MAT 2328

MT= 80 (n, n') Level
Cross Section

23-V -51
-1.159 To 0.000 %



46

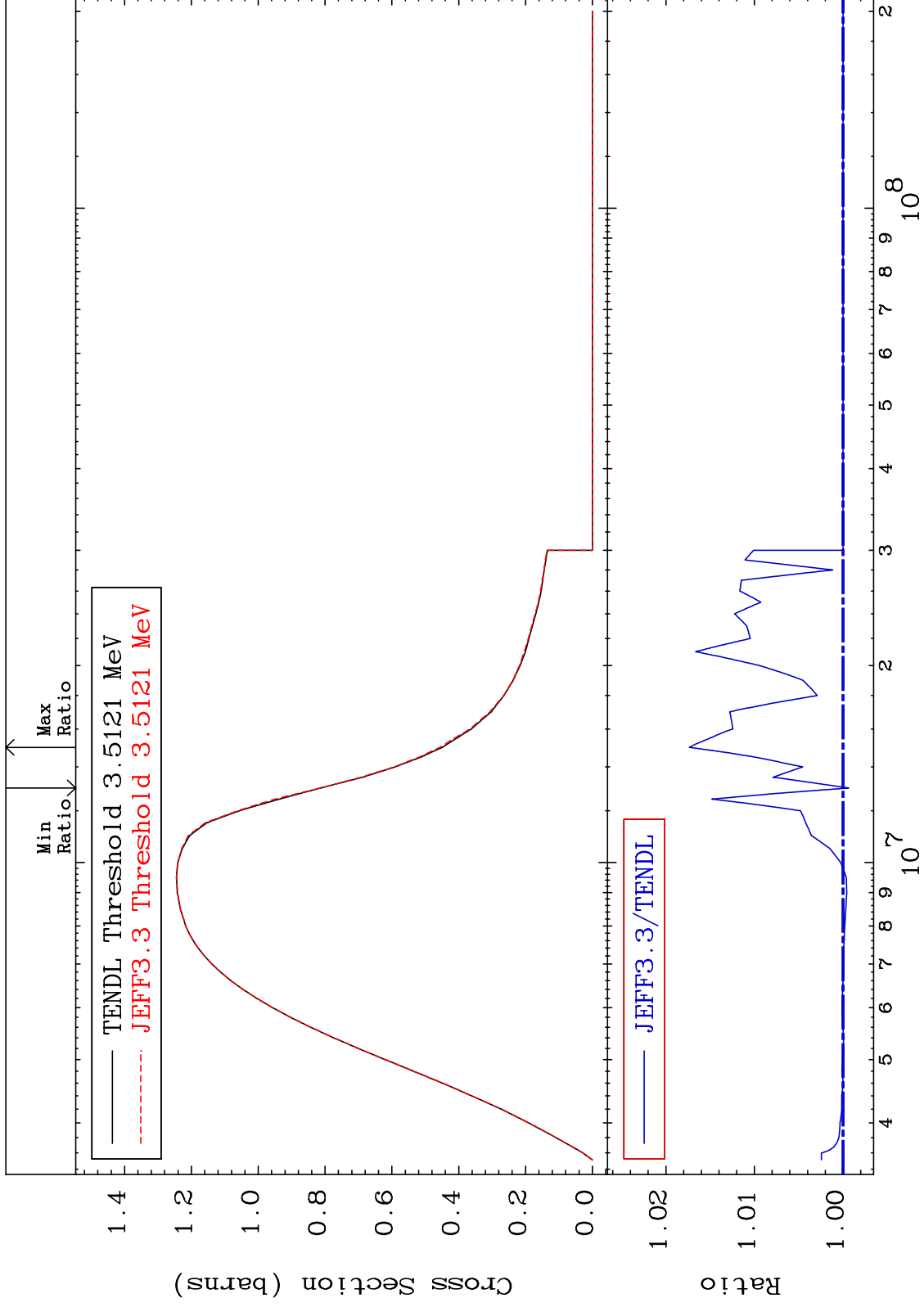
Incident Energy (eV)

23-V -51

MAT 2328

(n,n') Continuum
Cross Section

23-V -51
-0.065 To 1.734 %



47

Incident Energy (eV)

23-V -51

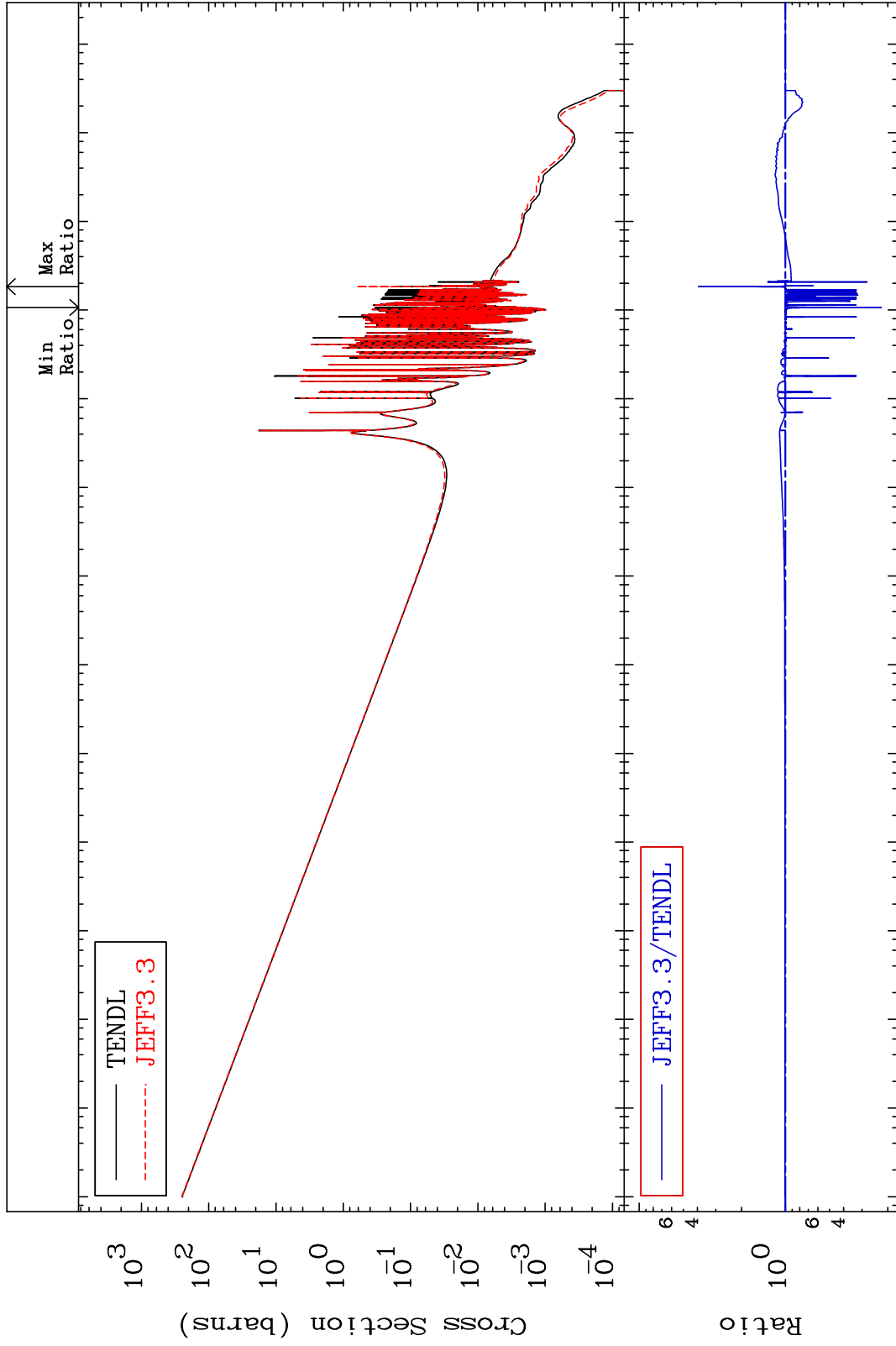
MAT 2328

(n, γ)

23-V -51

Cross Section

-77.94 To 294.0 %



48

Incident Energy (eV)

23-V -51

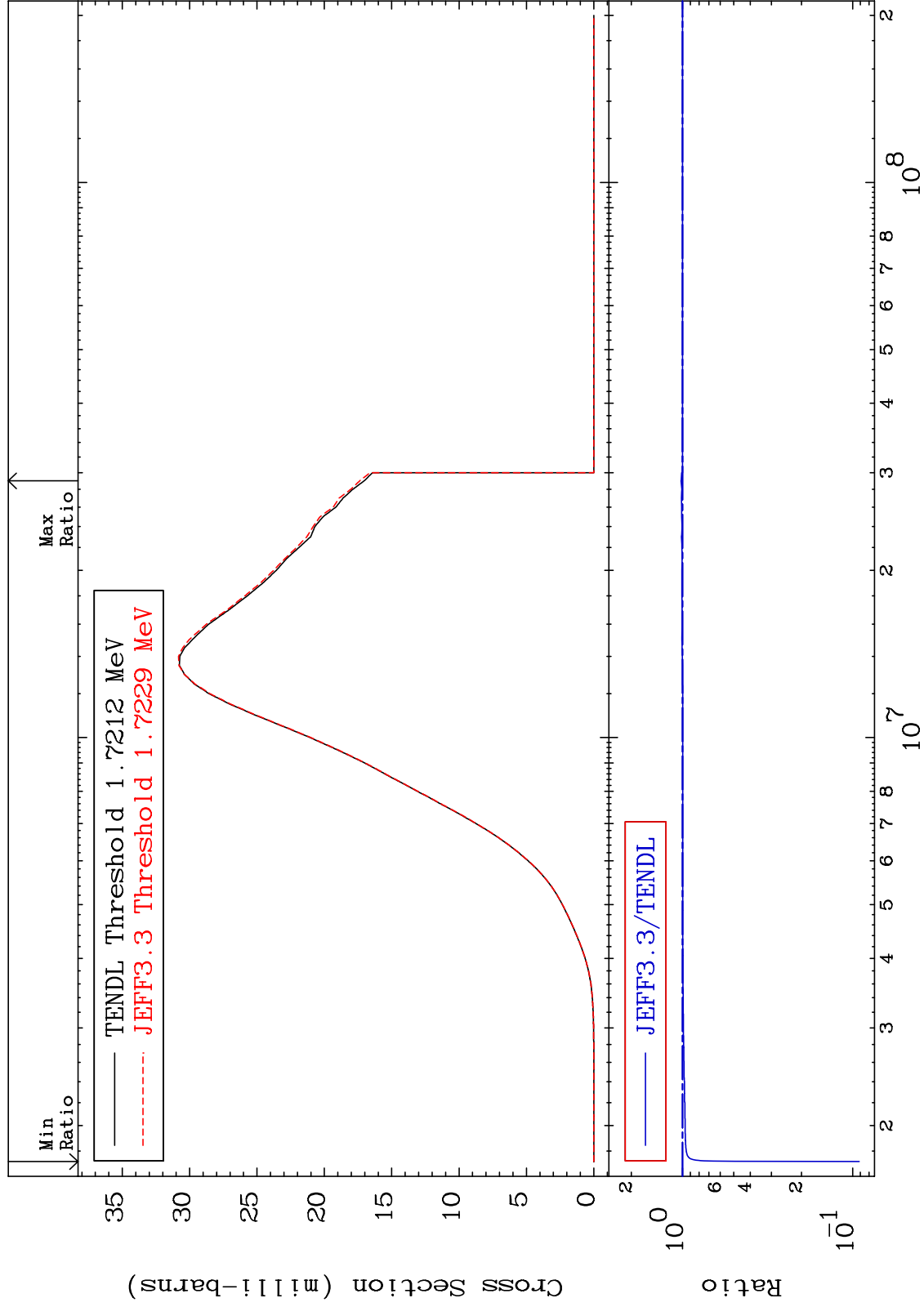
MAT 2328

(n,p)

23-V -51

Cross Section

-90.86 To 1.959 %



49

Incident Energy (eV)

23-V -51

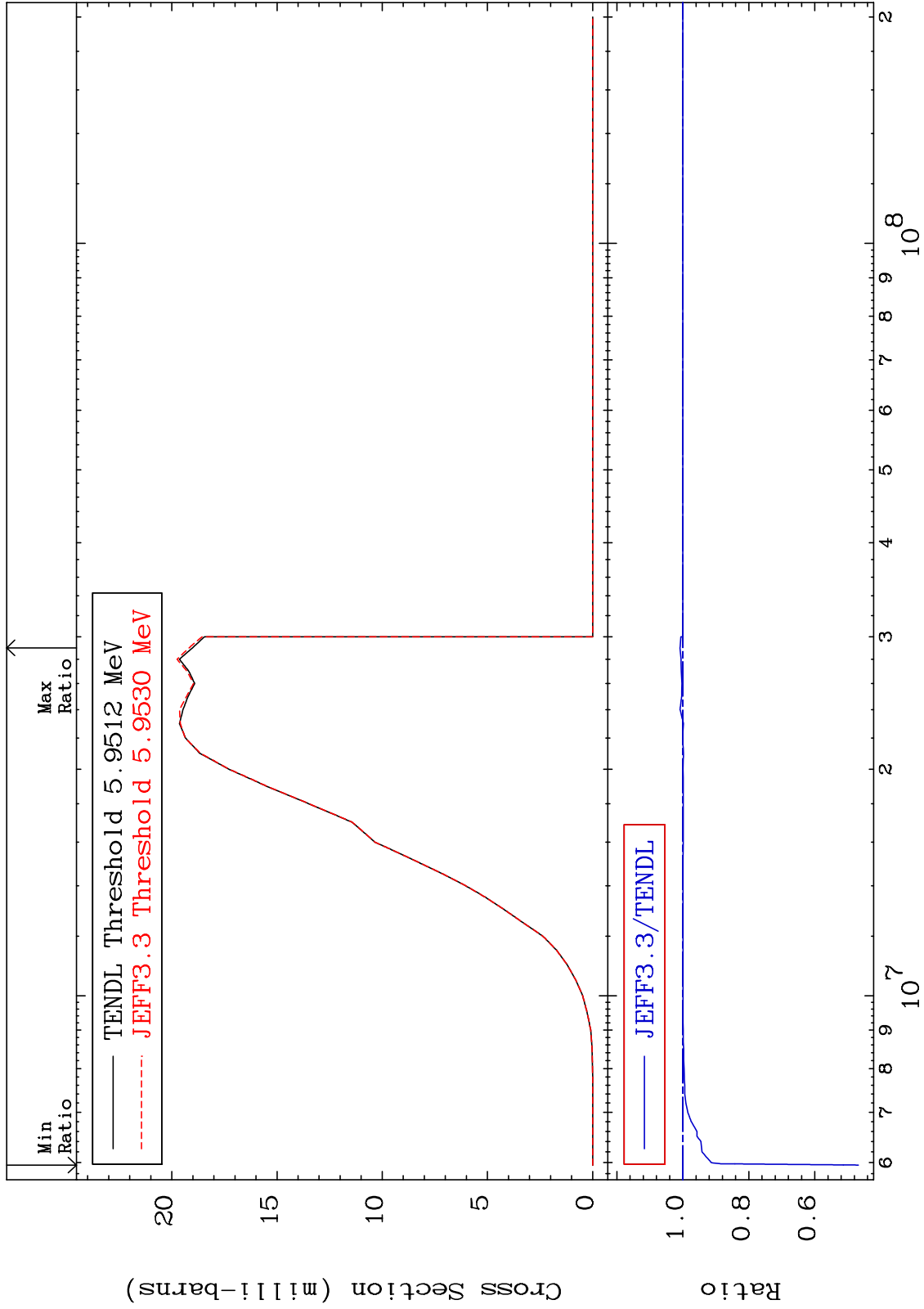
MAT 2328

(n, d)

23-V -51

-53.22 To 0.854 %

Cross Section



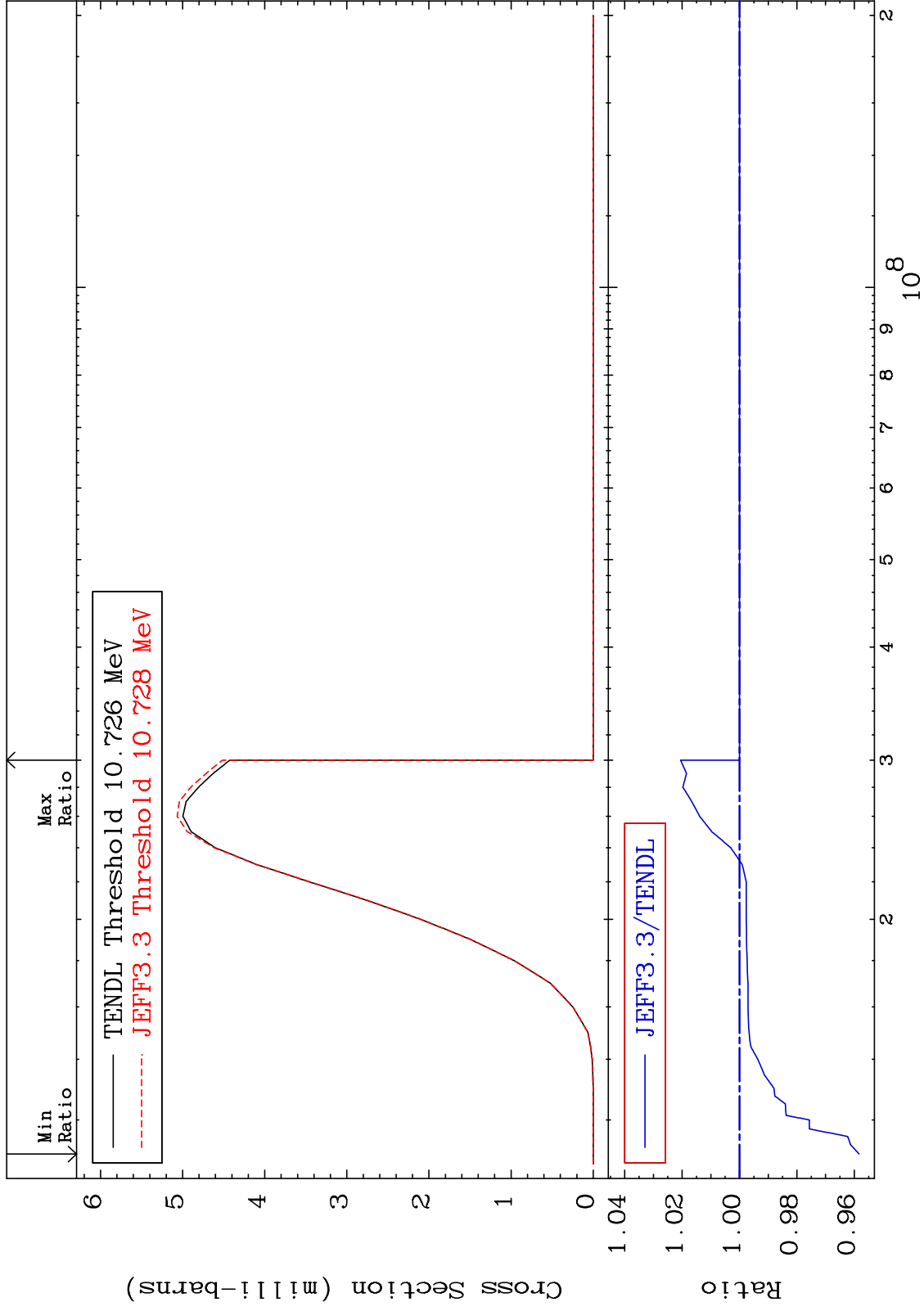
50

Incident Energy (eV)

23-V -51

Cross Section

-4.169 To 2.052 %



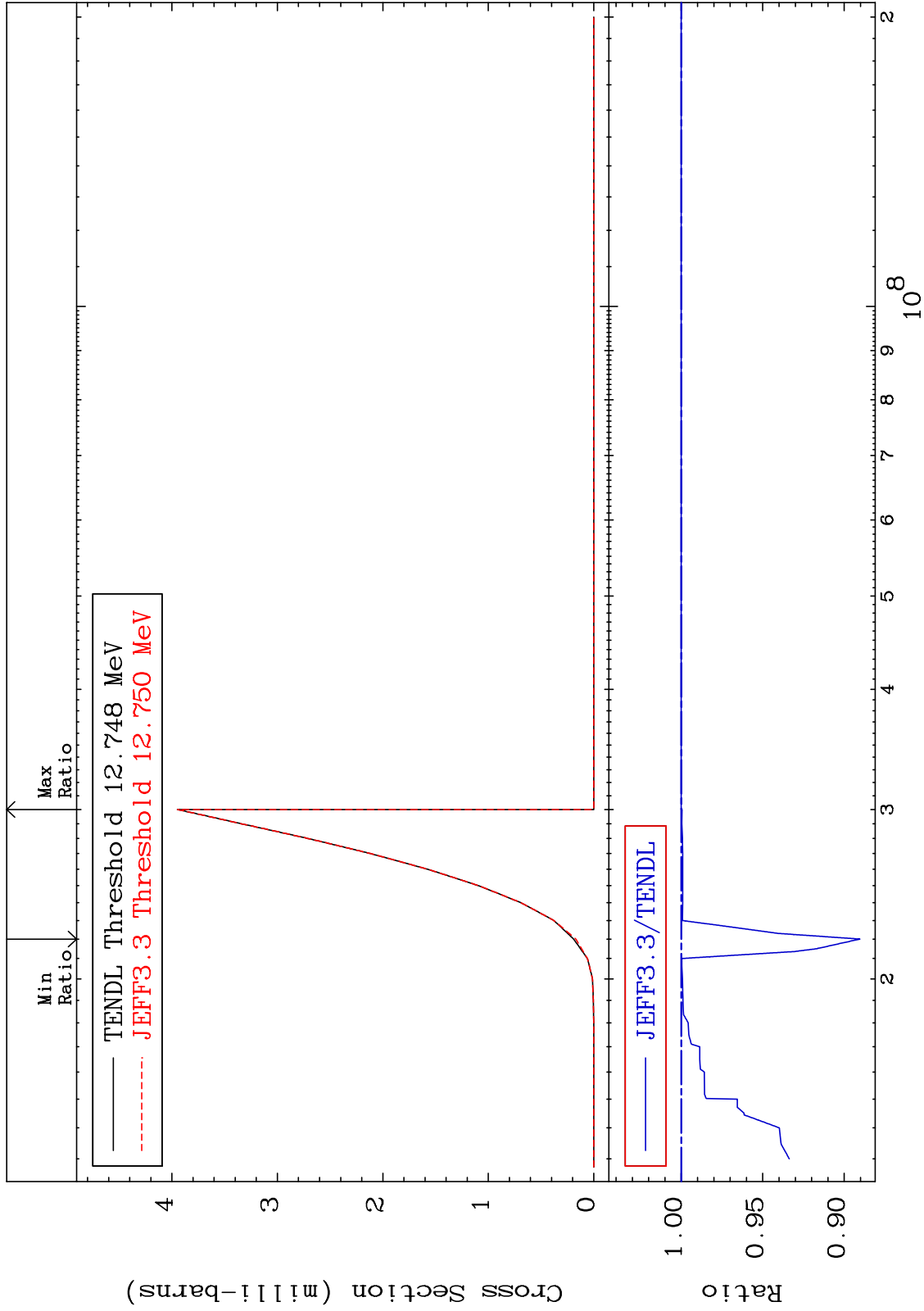
MAT 2328

(n, He-3)

23-V -51

Cross Section

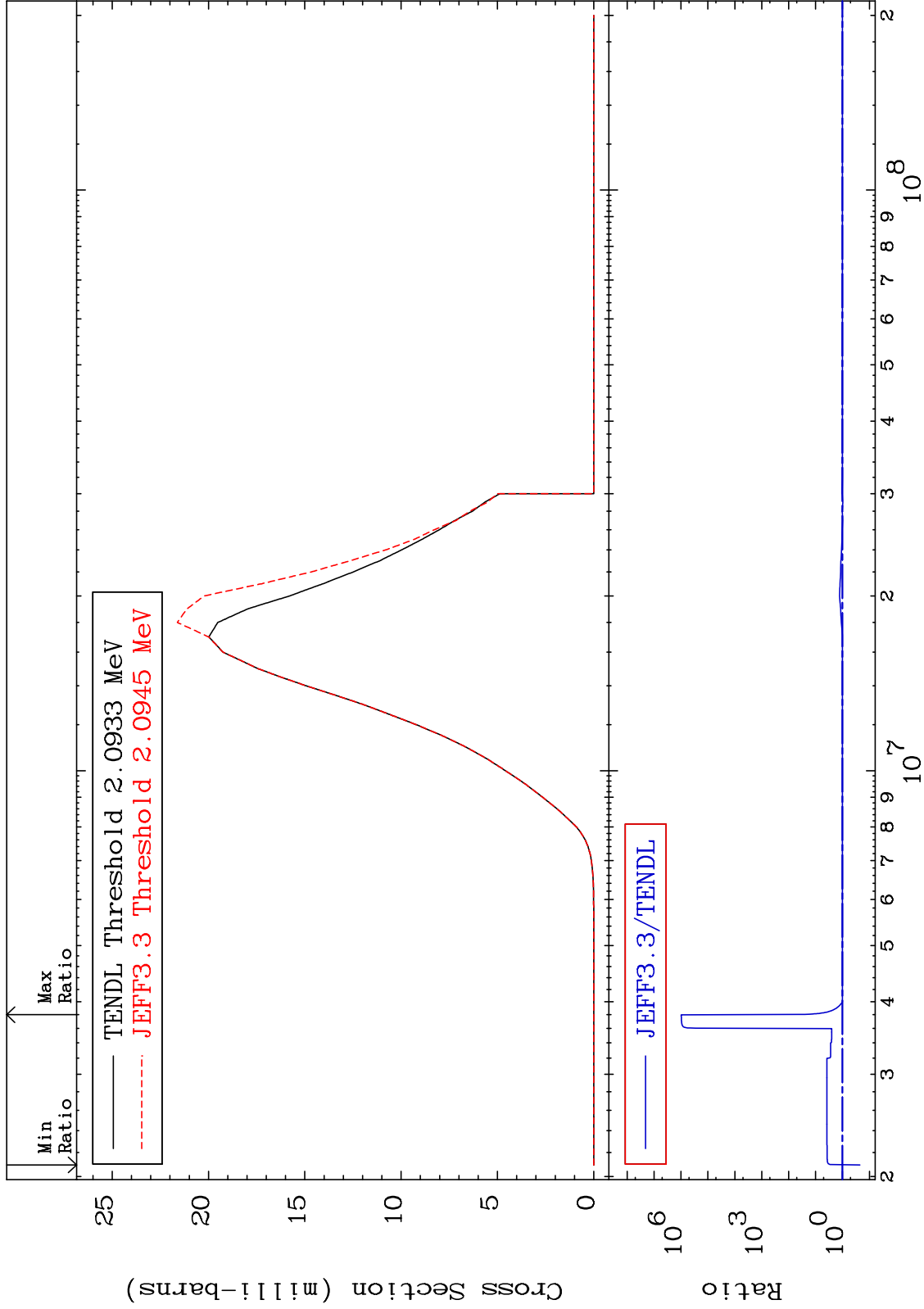
-10.96 To 0.000 %



52

Incident Energy (eV)

23-V -51



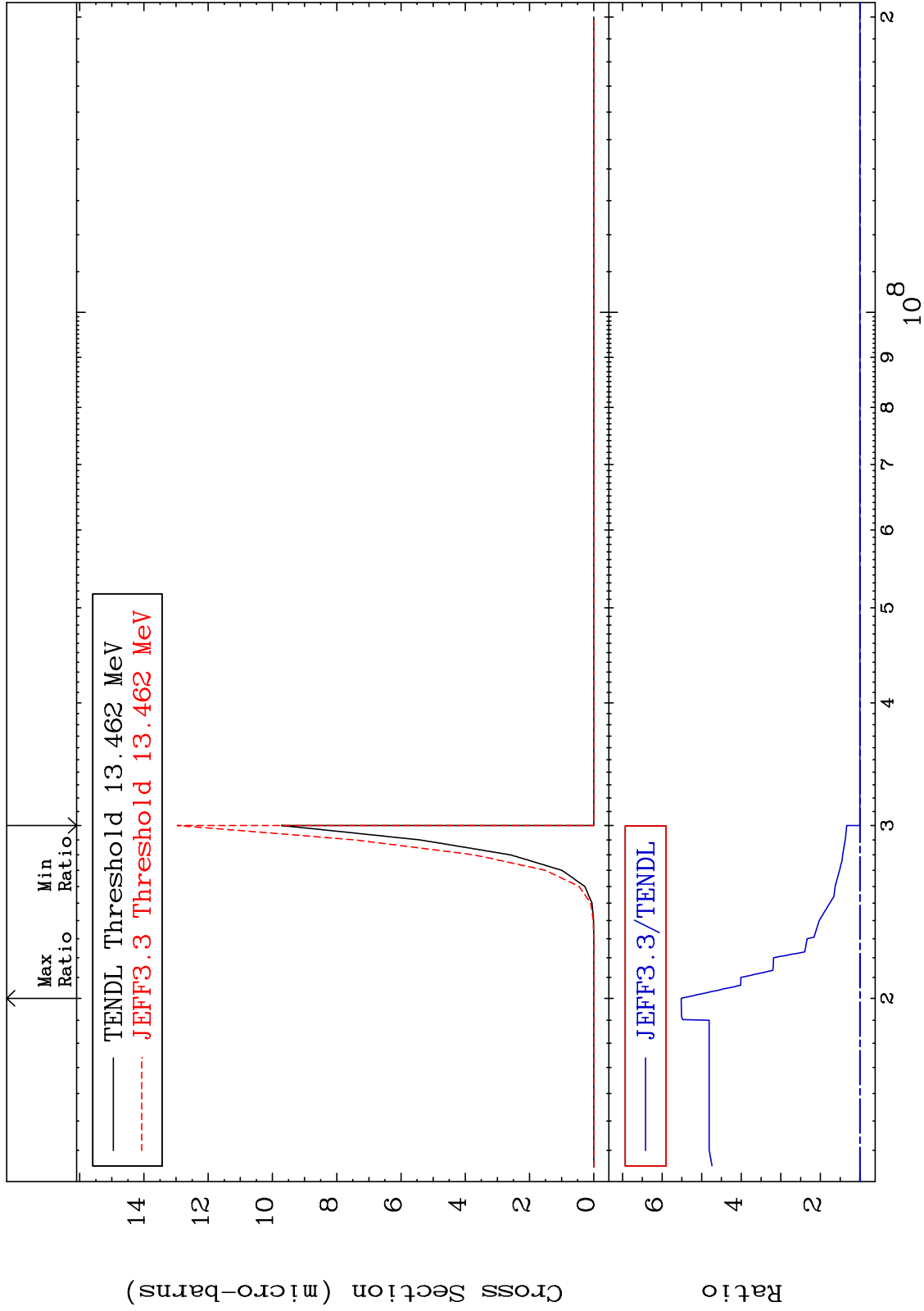
MAT 2328

(n, 2α)

23-V -51

Cross Section

0.000 To 451.7 %



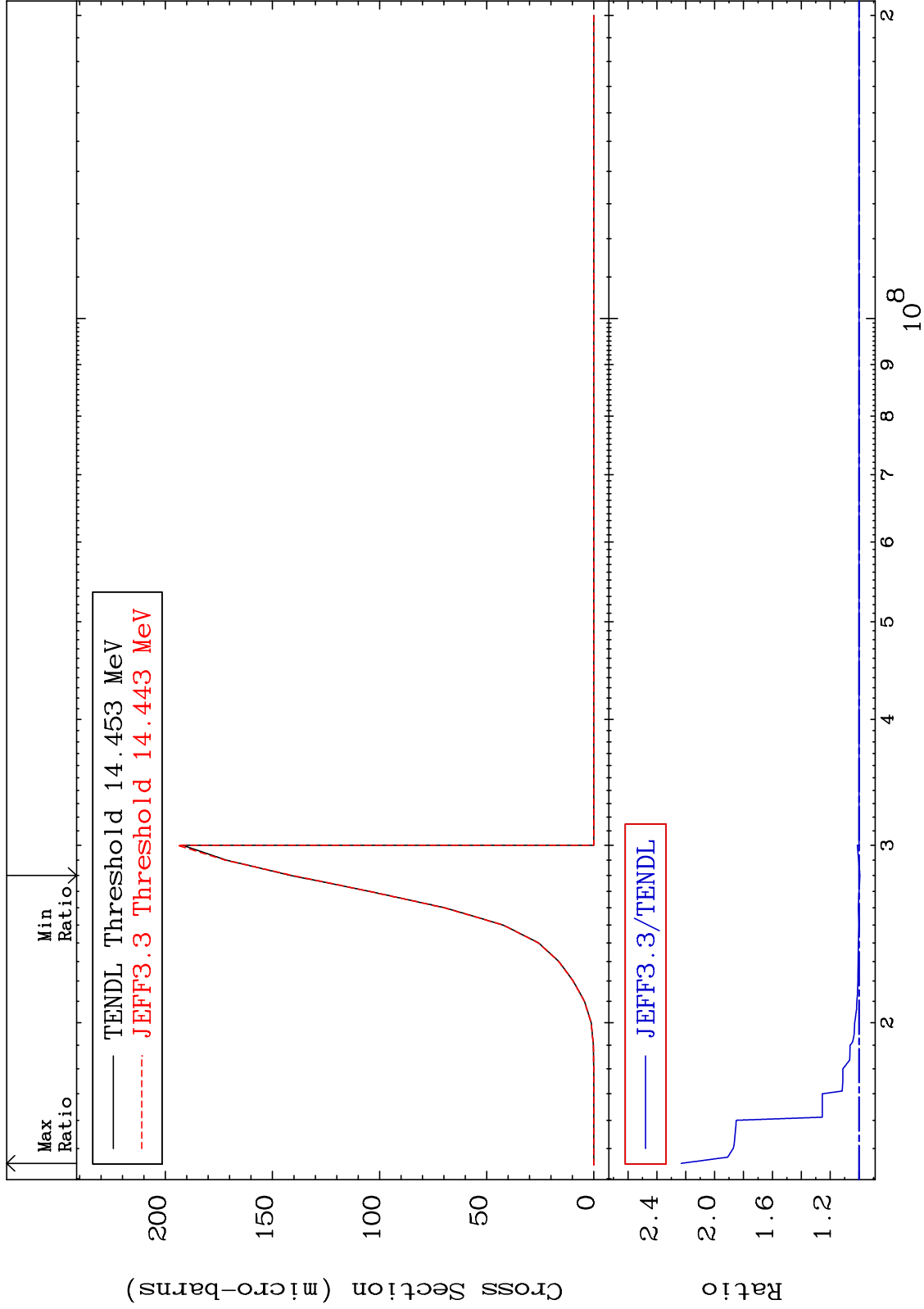
MAT 2328

(n,2p)

23-V -51

Cross Section

-0.573 To 123.1 %



55

Incident Energy (eV)

23-V -51

MAT 2328

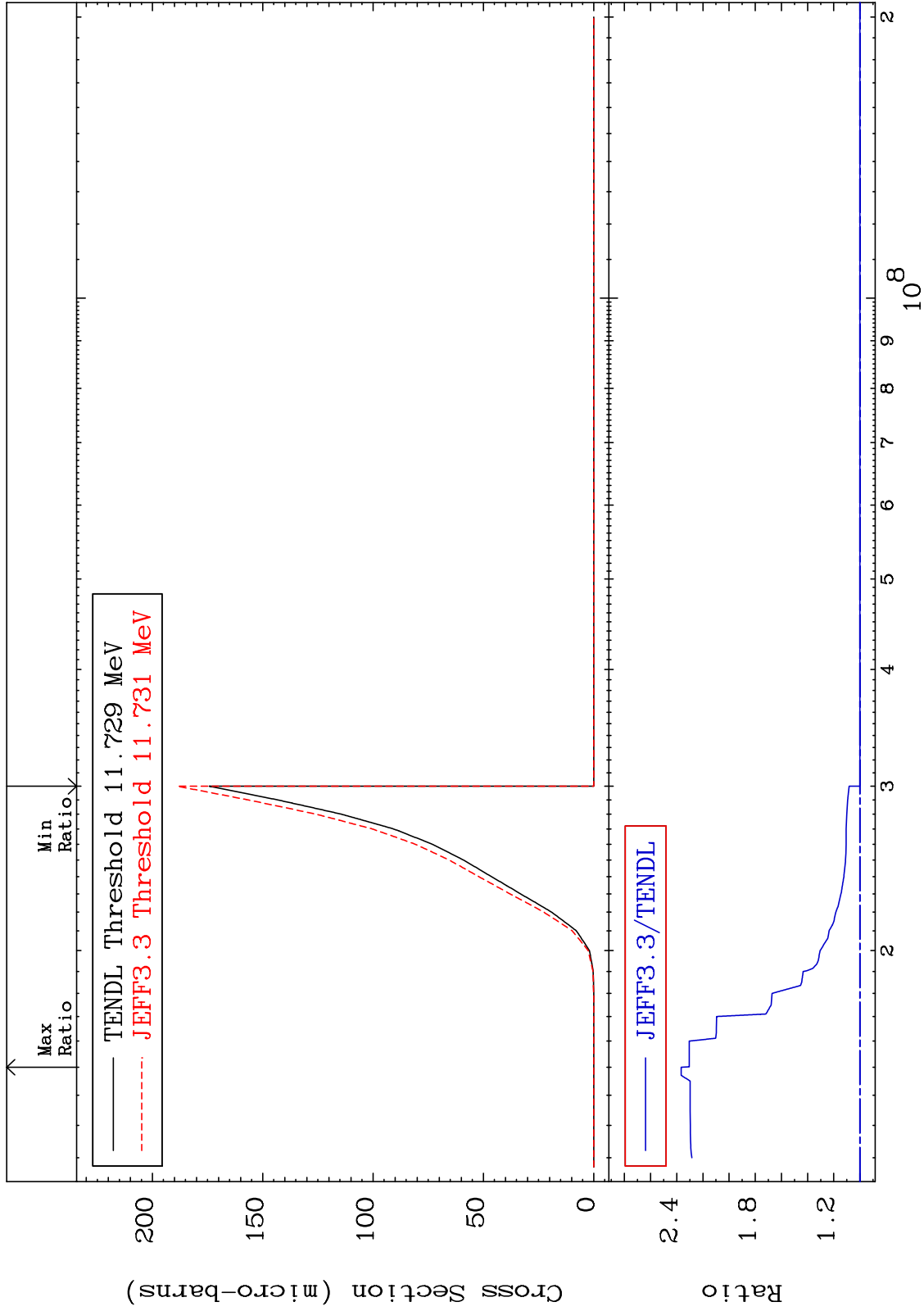
(n,p) α

23-V -51

Cross Section

0.000

To 136.6 %



56

Incident Energy (eV)

23-V -51

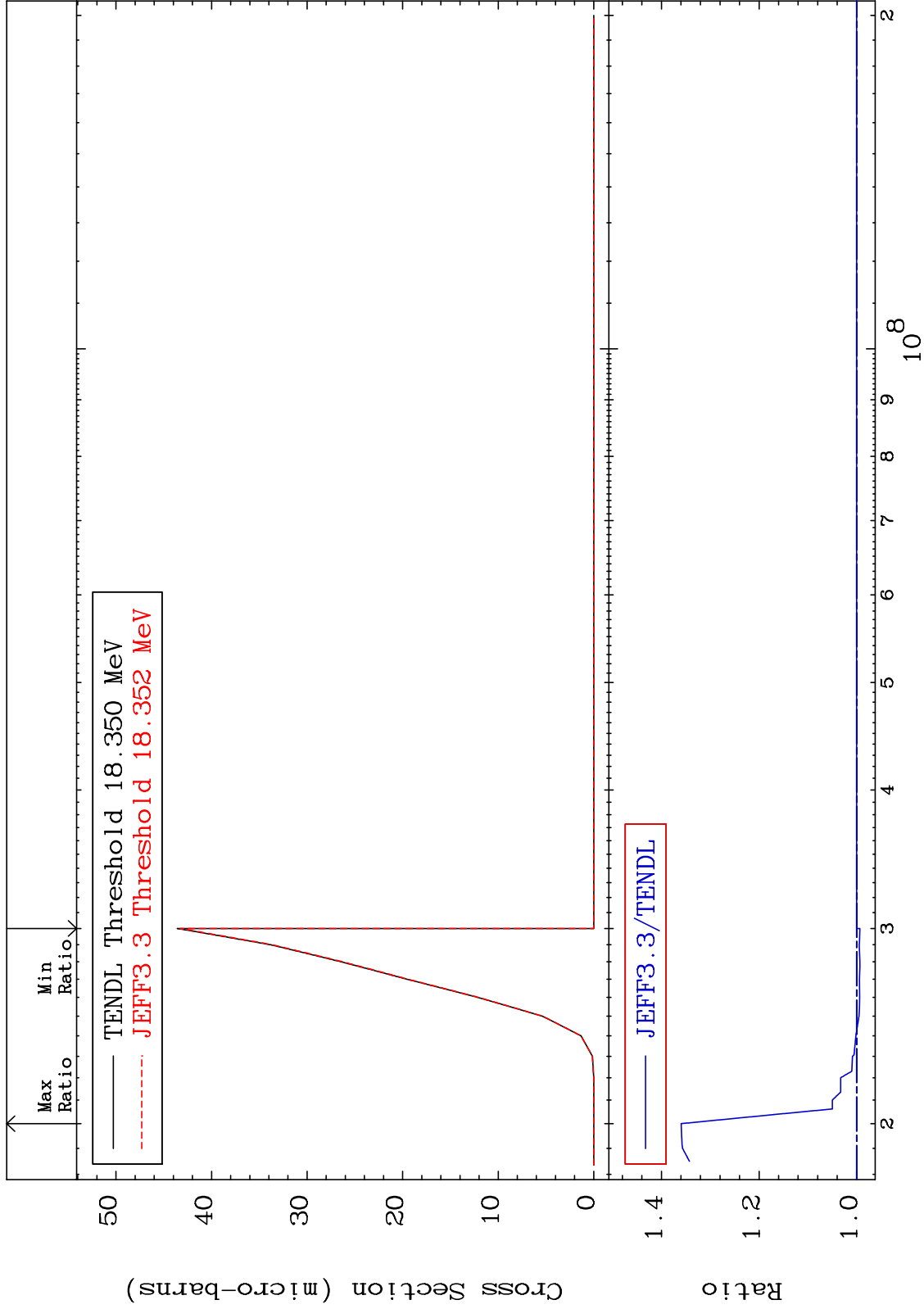
MAT 2328

(n,p) d

23-V -51

Cross Section

-0.665 To 35.95 %



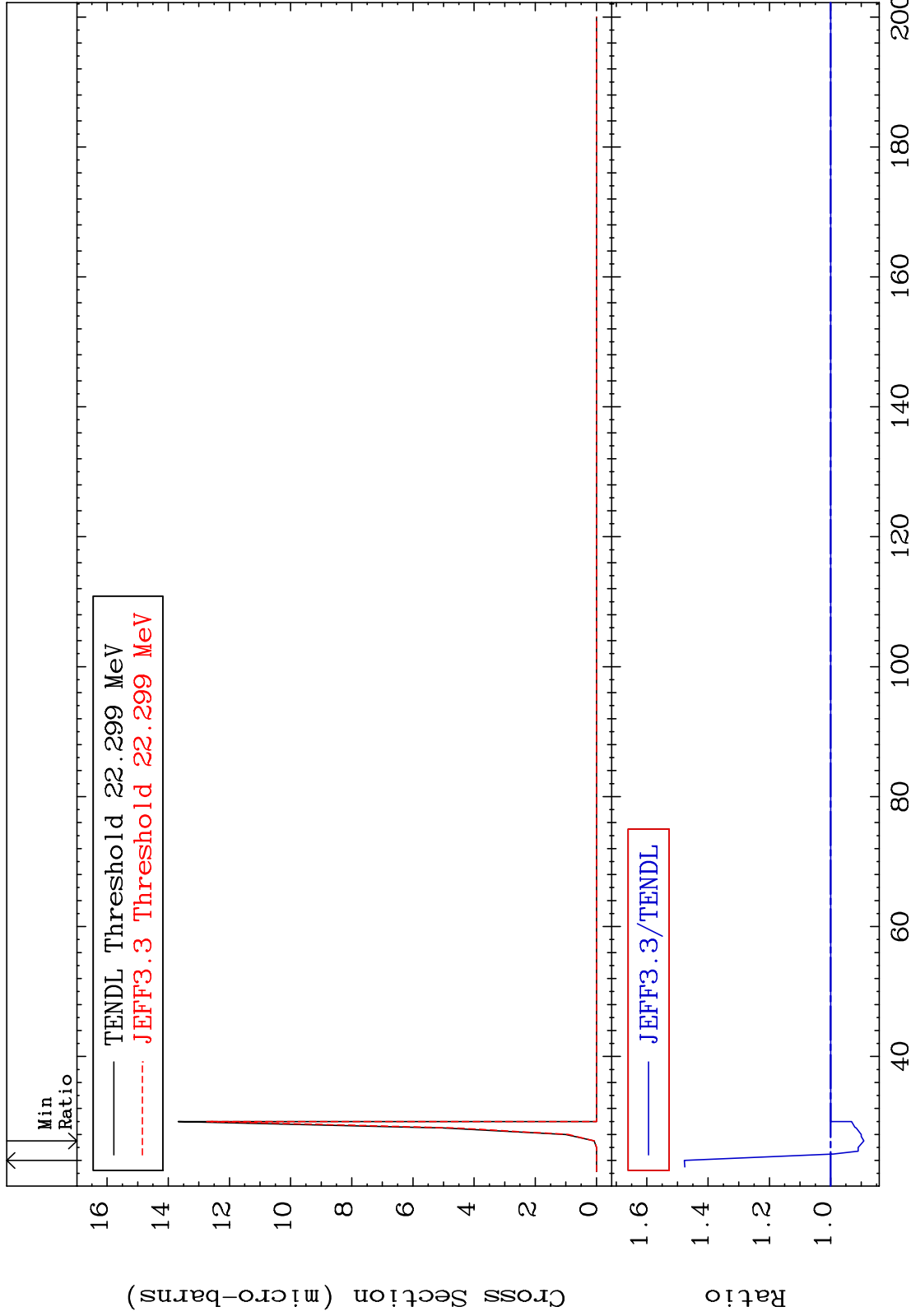
57

Incident Energy (eV)

23-V -51

Cross Section

-10.86 To 47.75 %



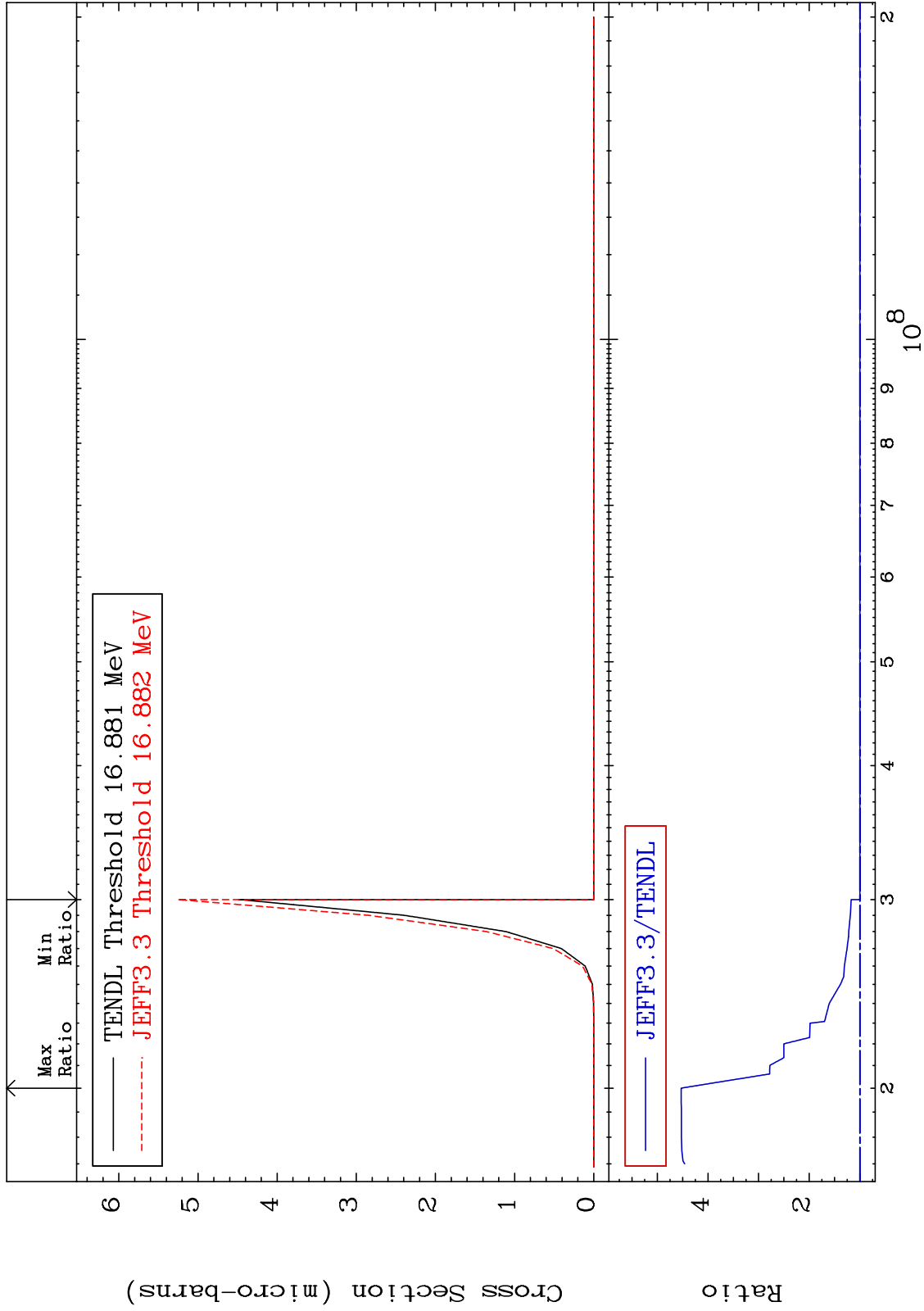
MAT 2328

(n,d) α

23-V -51

Cross Section

0.000 To 352.7 %



59

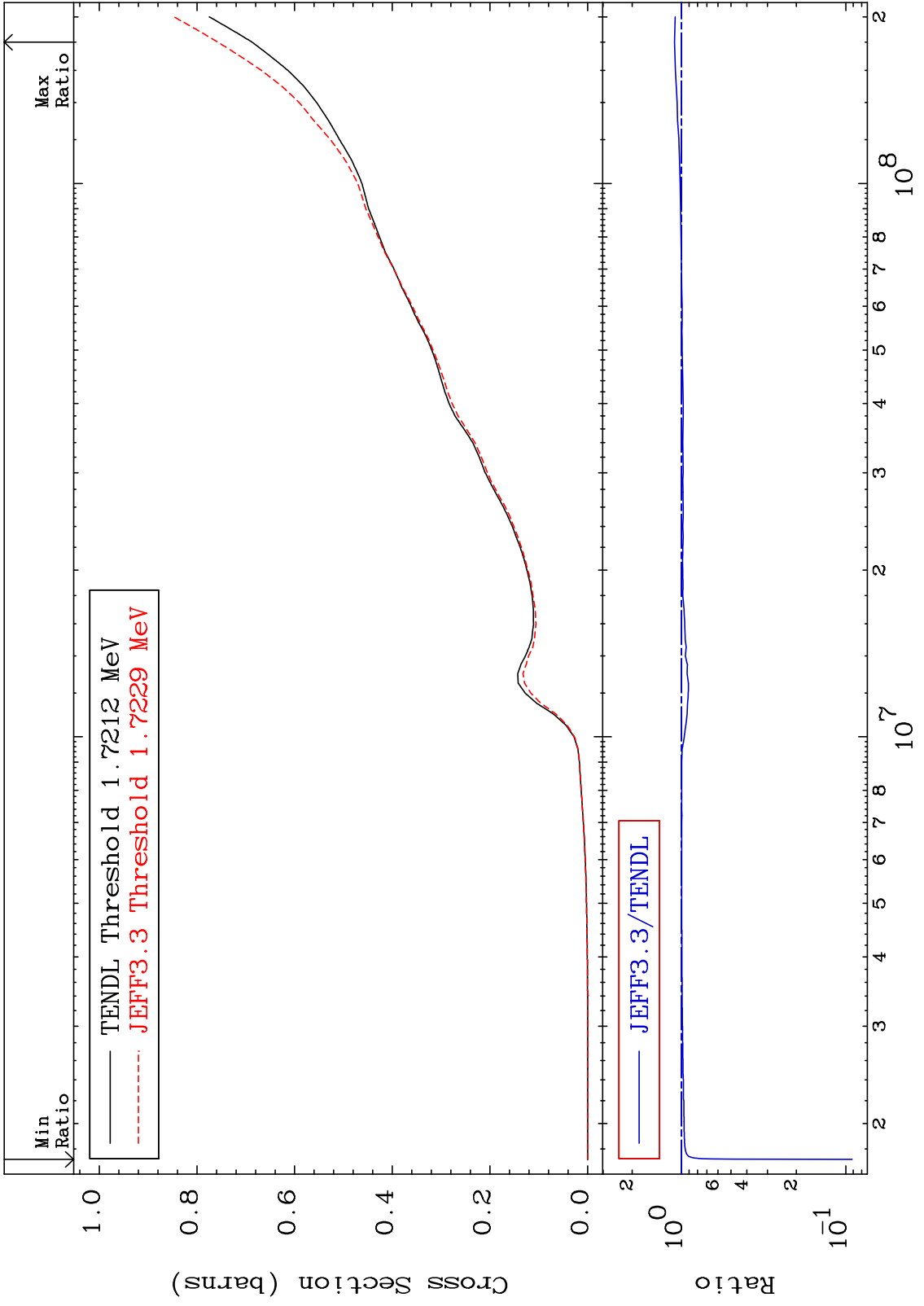
23-V -51

23-V -51

MAT 2328

Hydrogen Production
Cross Section

23-V -51
-90.86 To 10.21 %



60

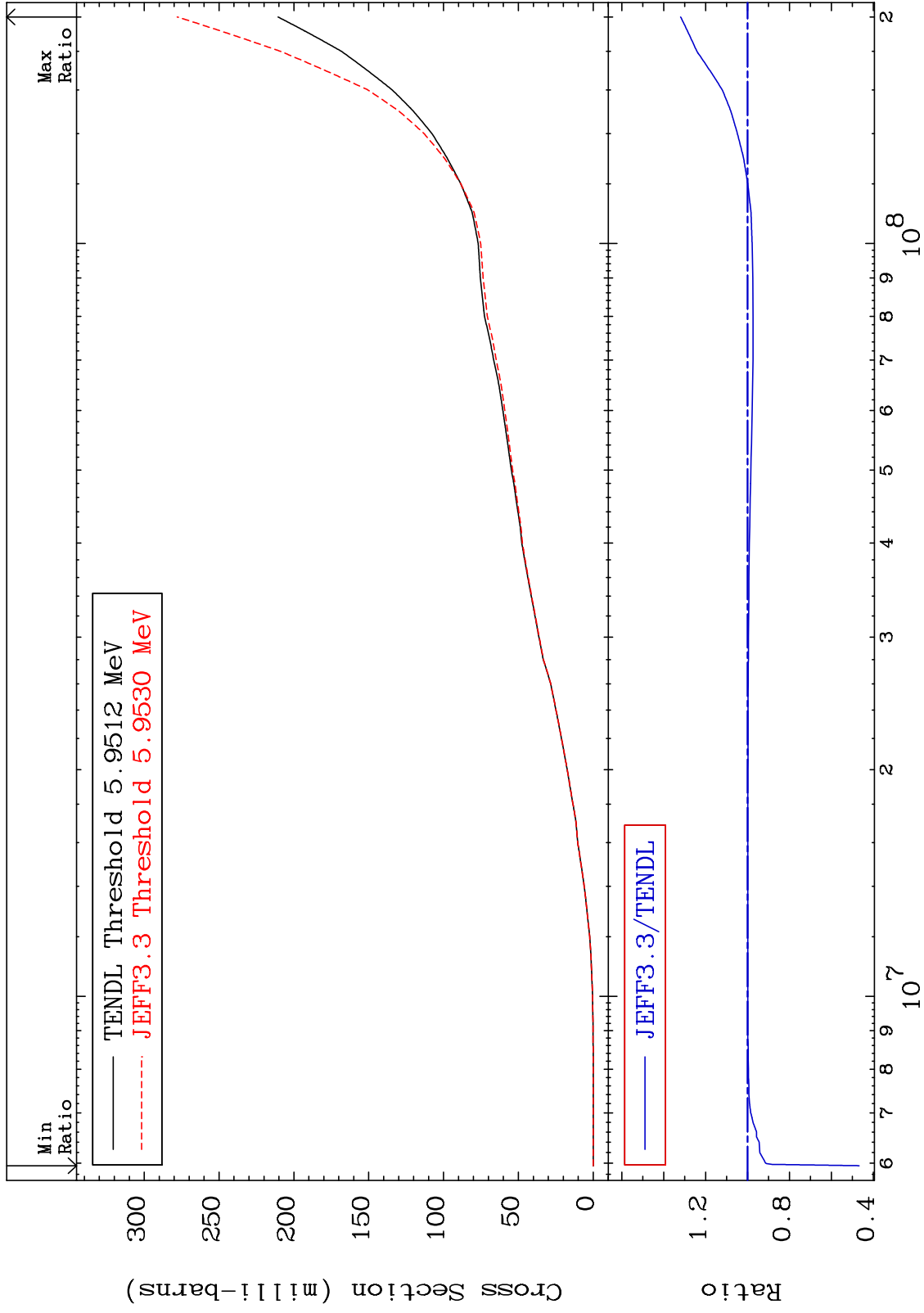
Incident Energy (eV)

23-V -51

MAT 2328

Deuterium Production
Cross Section

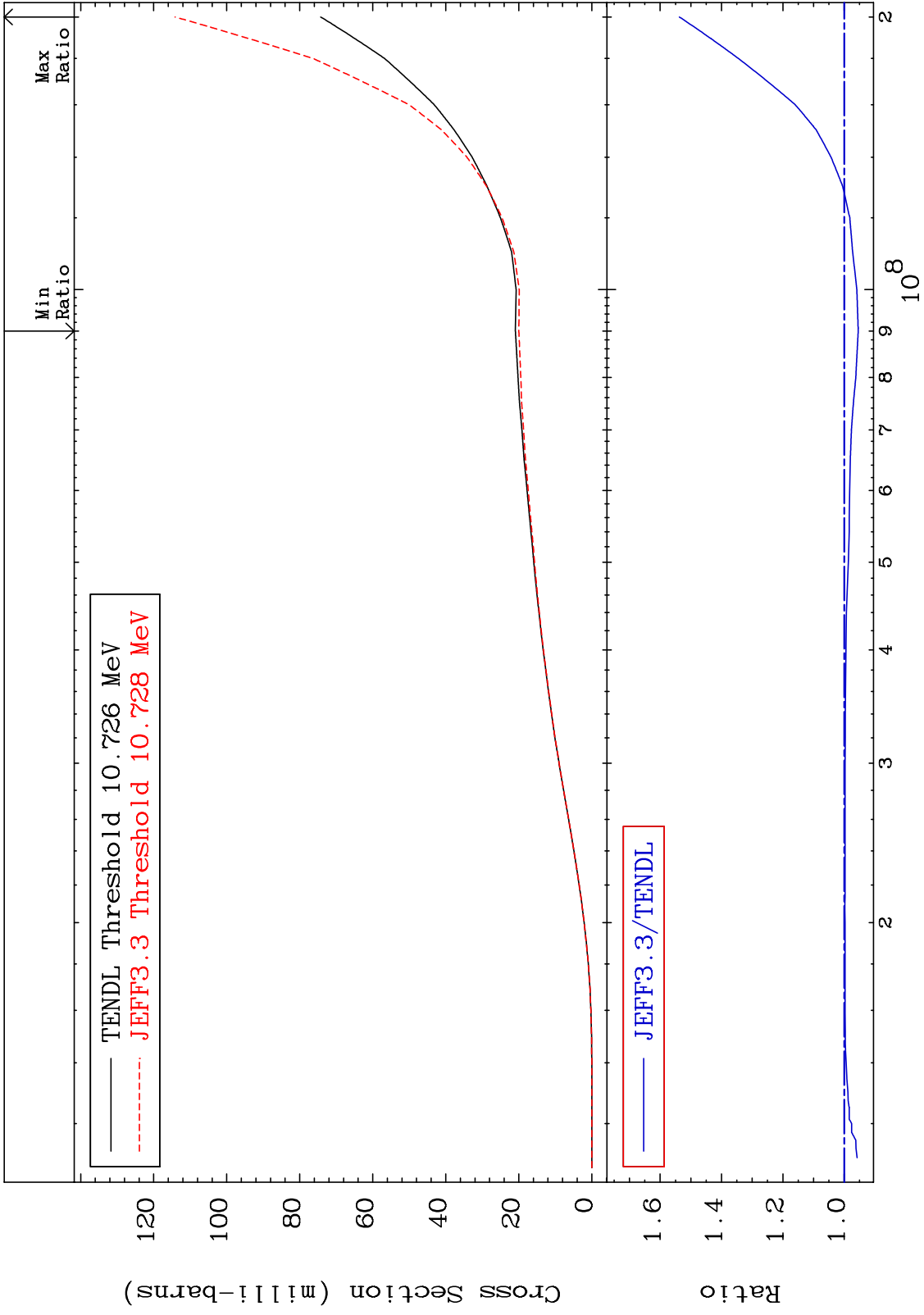
23-V -51
-53.22 To 31.96 %



61

Incident Energy (eV)

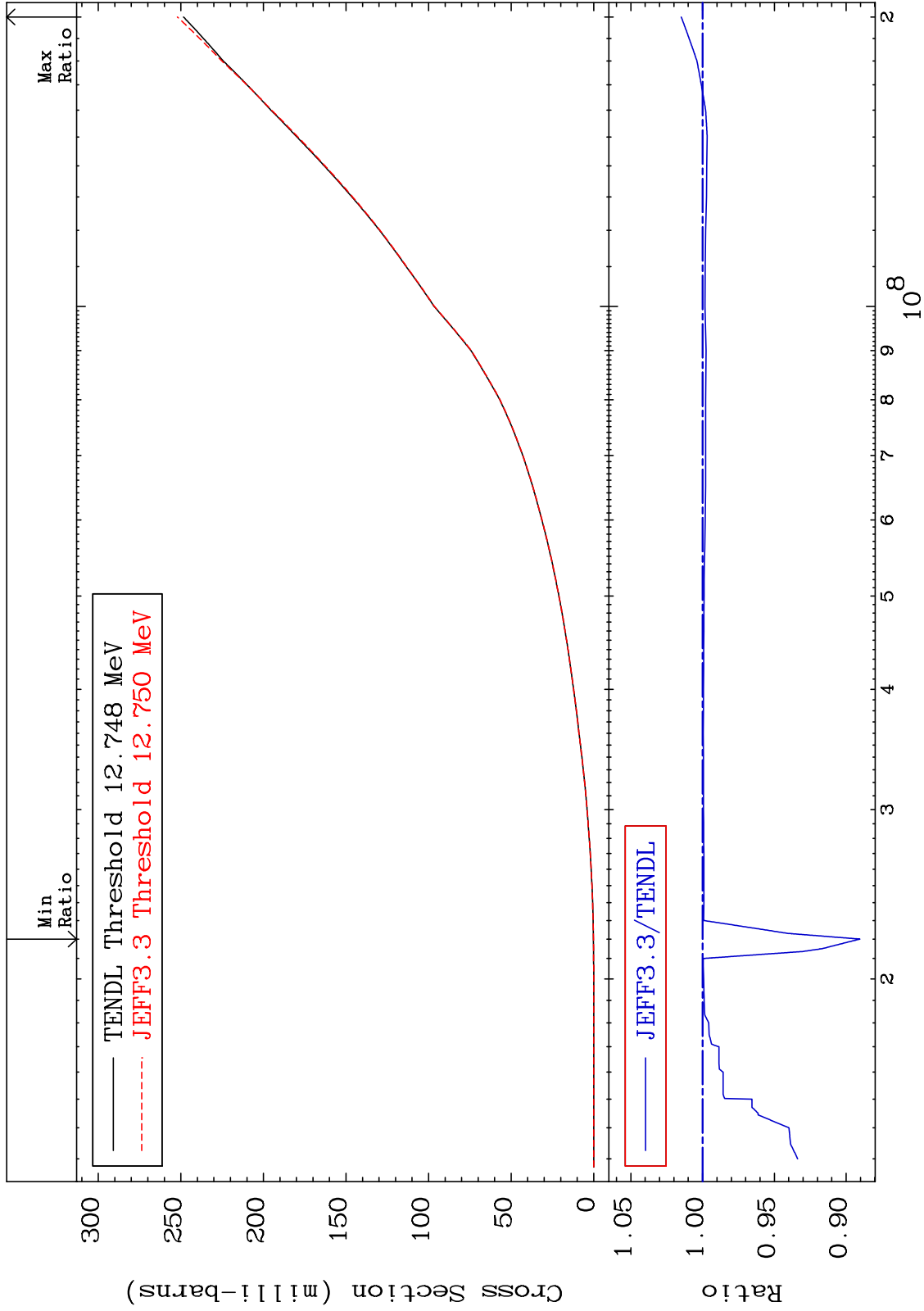
23-V -51



MAT 2328

He-3 Production
Cross Section

23-V -51
-10.96 To 1.490 %



63

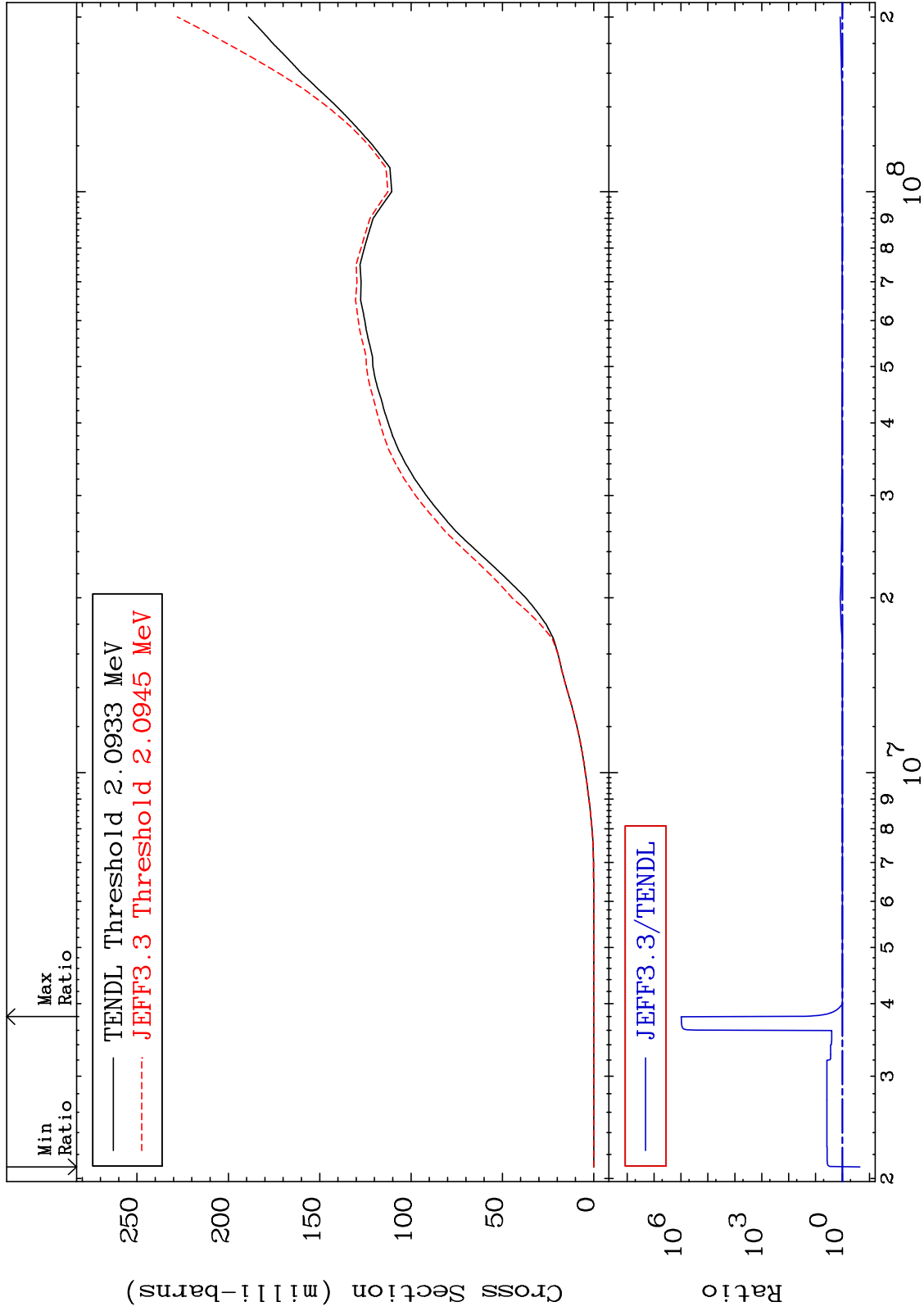
Incident Energy (eV)

23-V -51

MAT 2328

He-4 Production
Cross Section

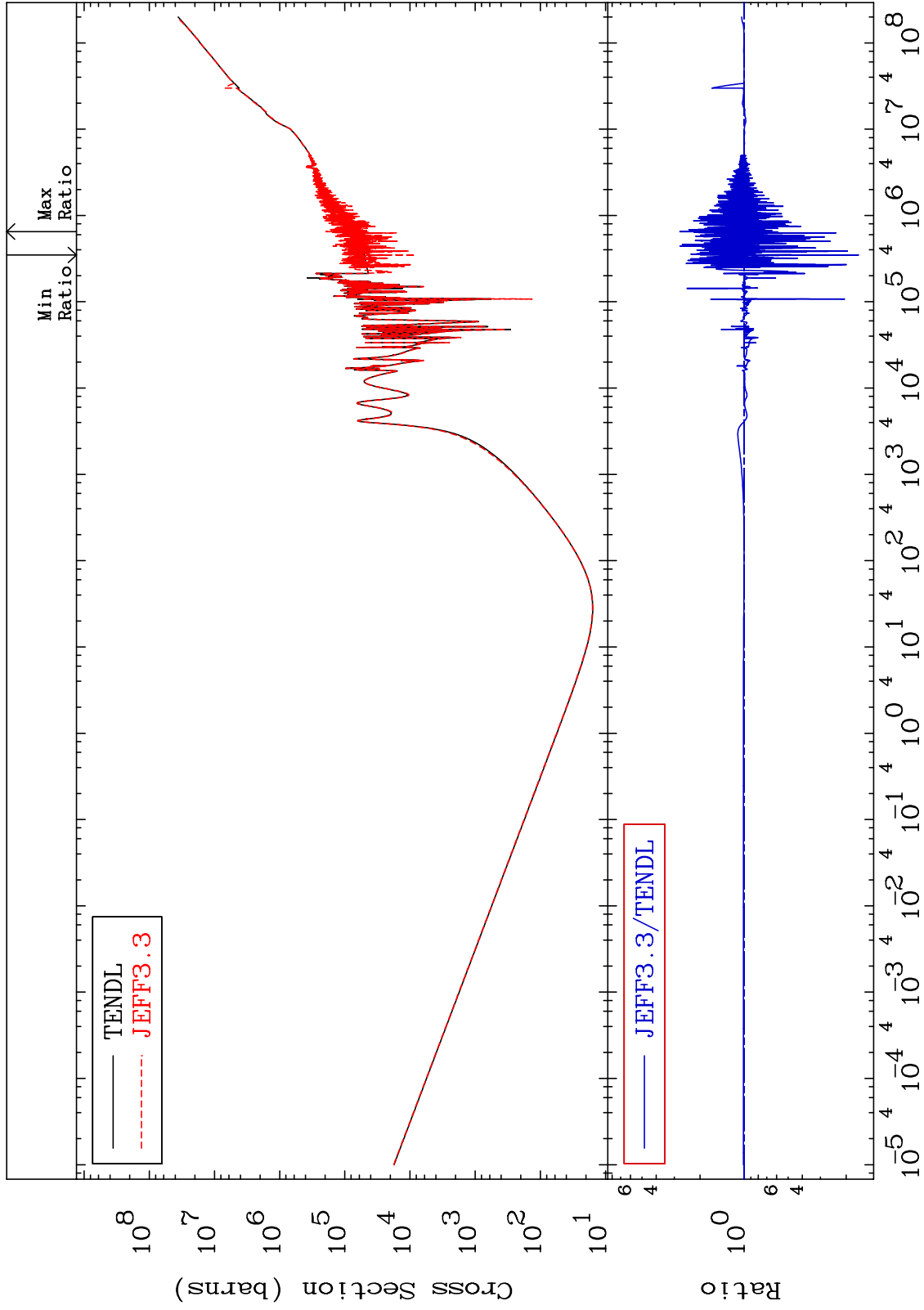
23-V -51
-77.52 To 9999. %



MAT 2328

Kerma total (eV-barns)
Cross Section

23-V -51
-83.49 To 174.3 %



65

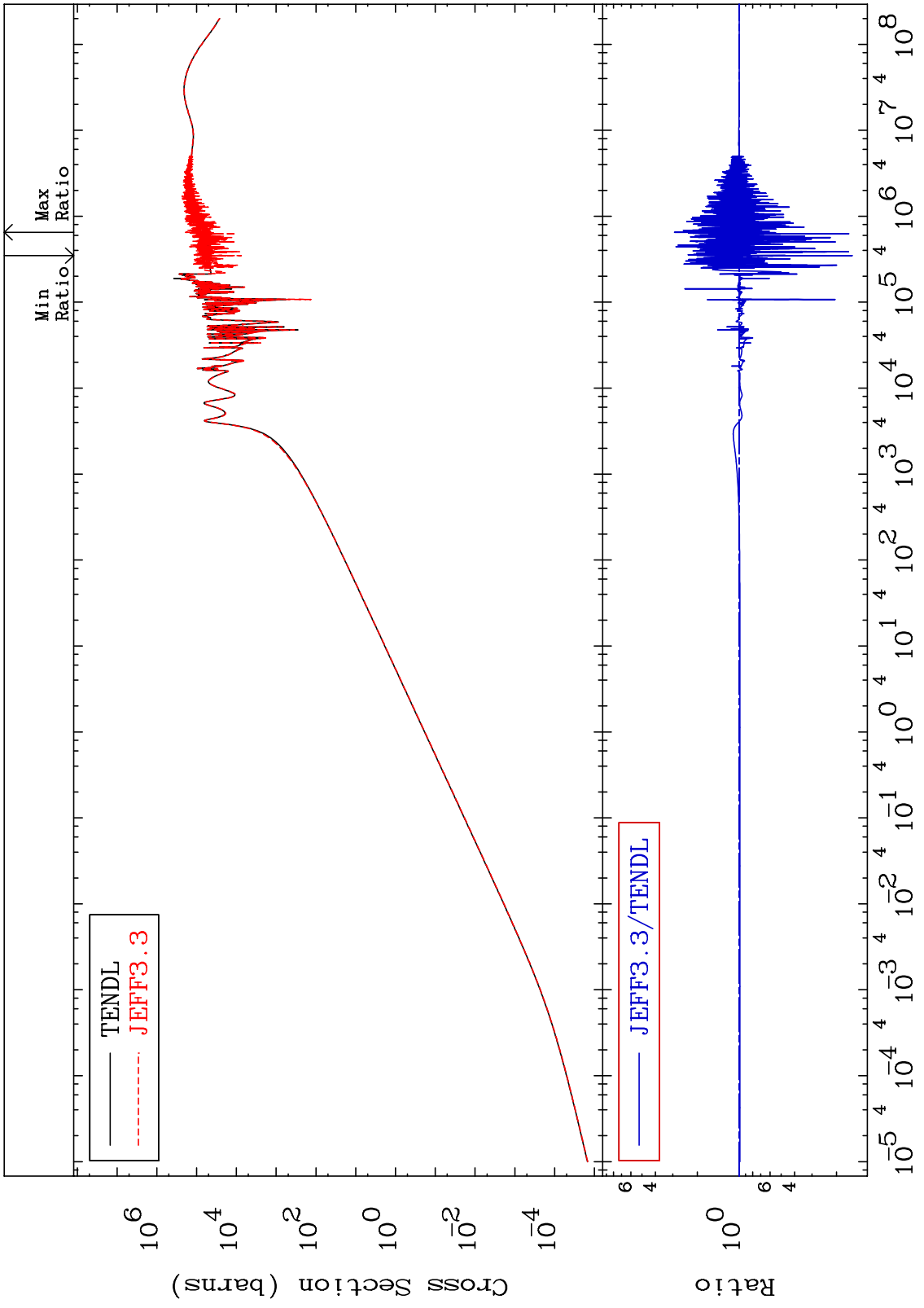
Incident Energy (eV)

23-V -51

MAT 2328

Kerma elastic
Cross Section

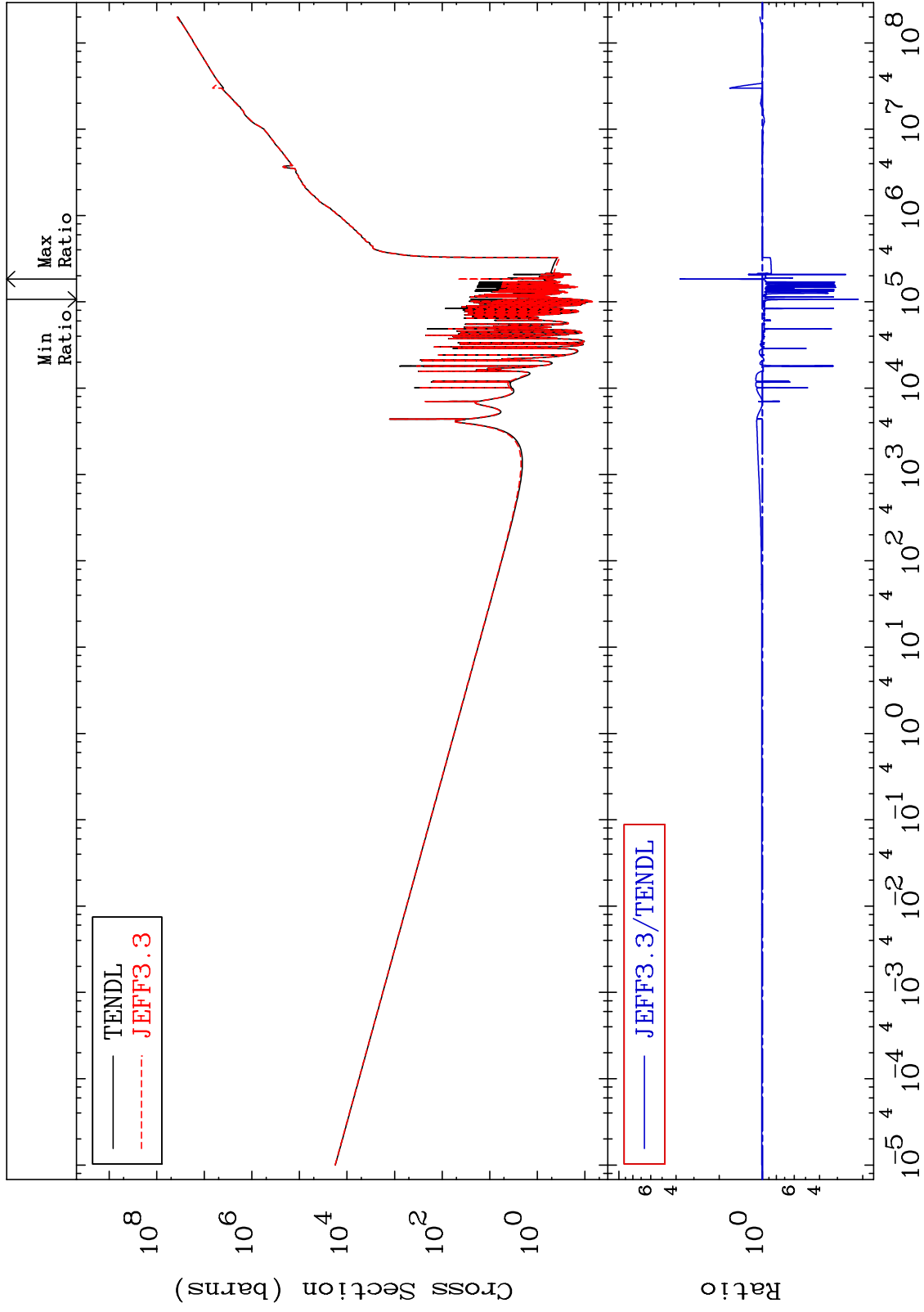
23-V -51
-84.55 To 191.1 %



MAT 2328

Kerma non-elastic (all but mt2)
Cross Section

23-V -51
-78.58 To 275.1 %



67

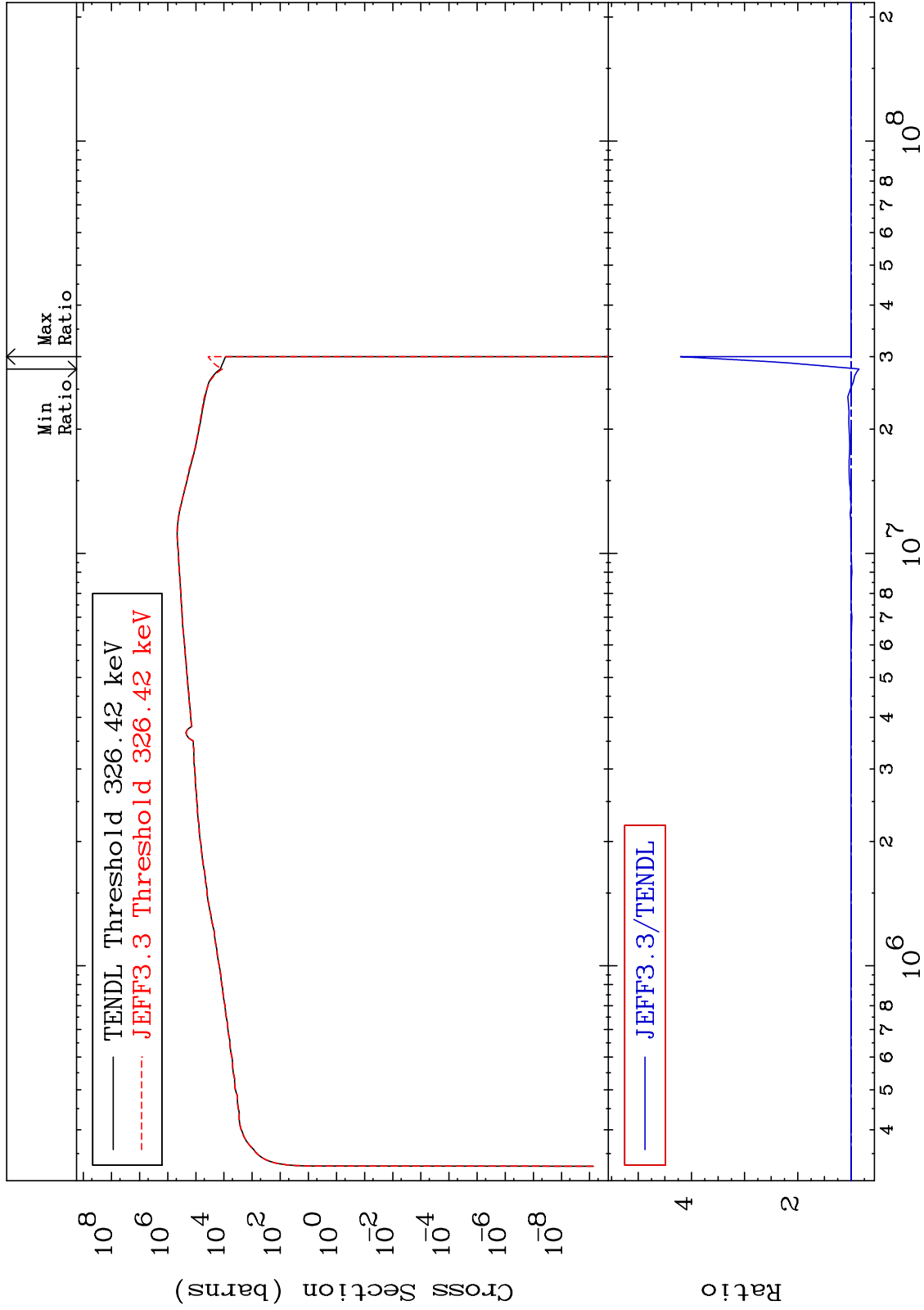
Incident Energy (eV)

23-V -51

MAT 2328

Kerma inelastic (mt51-91)
Cross Section

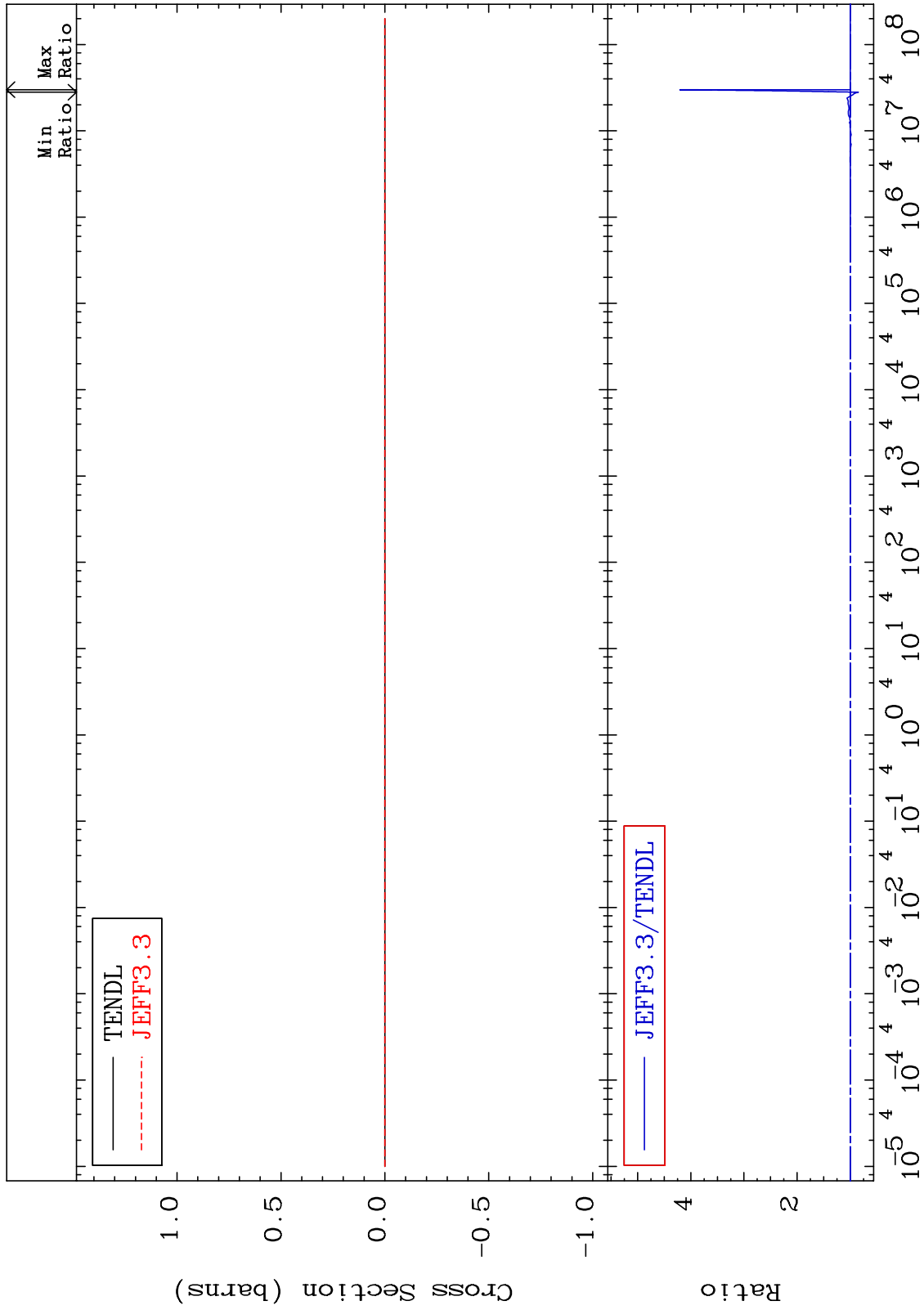
23-V -51
-15.26 To 320.3 %



68

Incident Energy (eV)

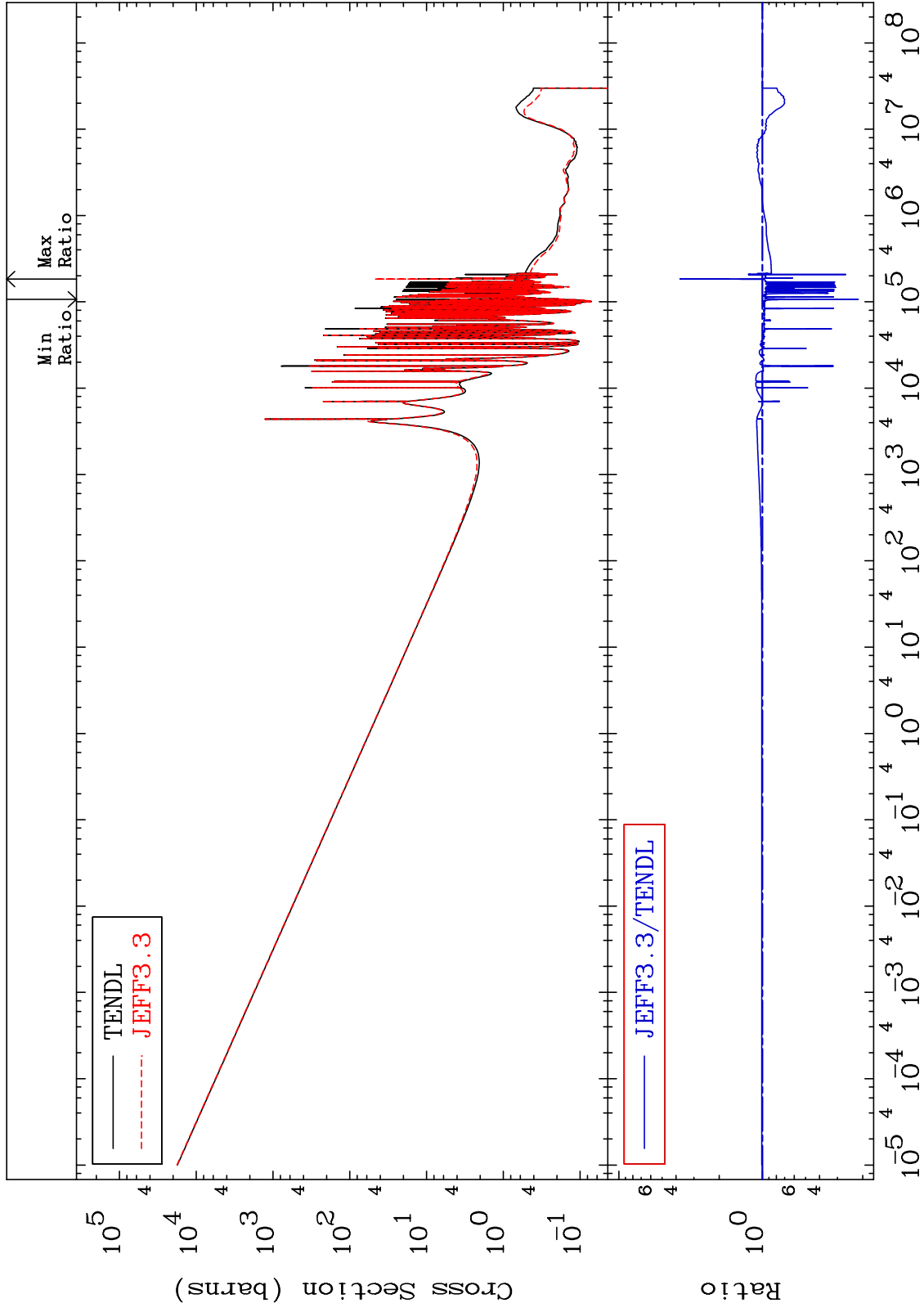
23-V -51



MAT 2328

Kerma capture (mt102)
Cross Section

23-V -51
-78.58 To 275.1 %



70

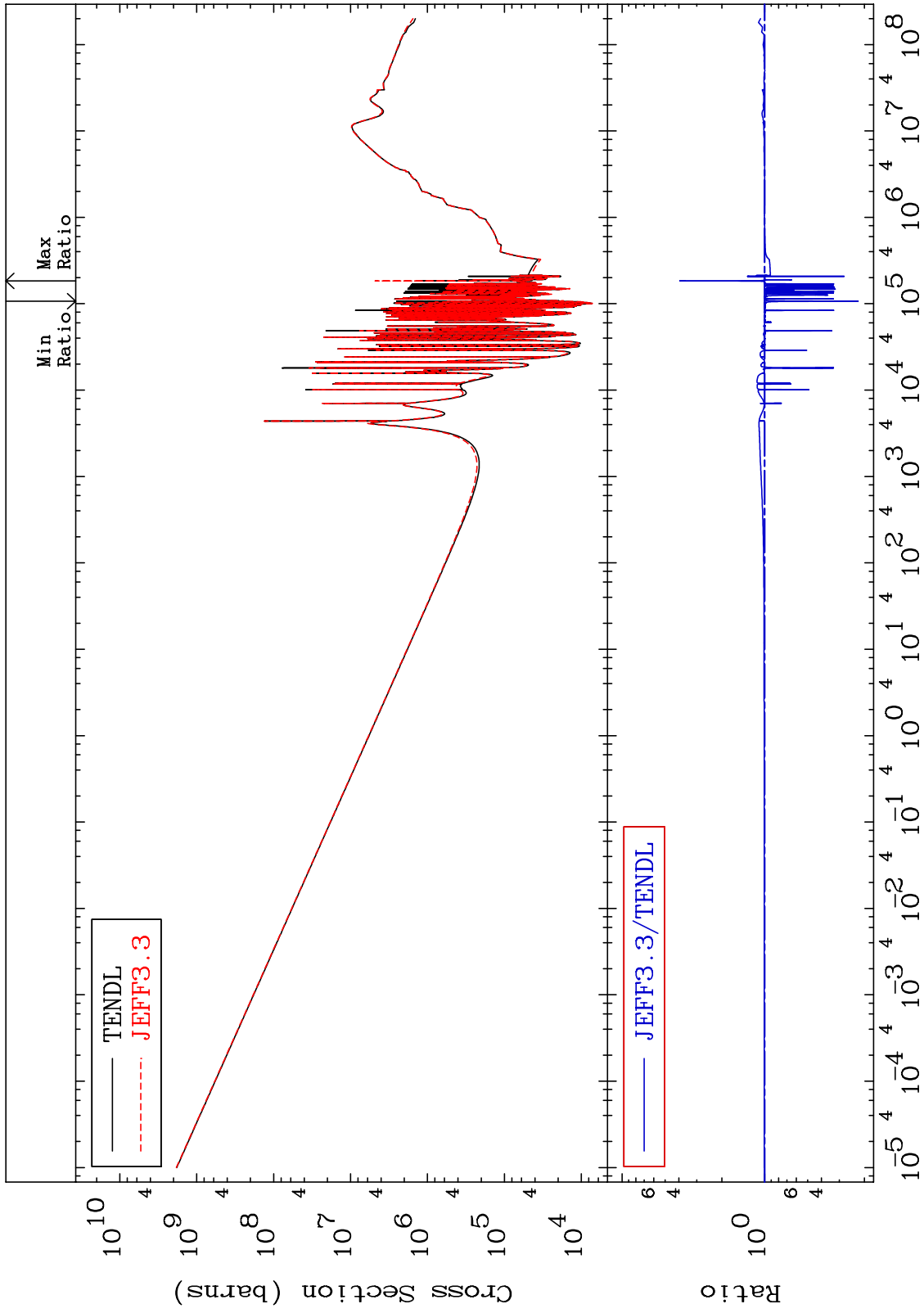
Incident Energy (eV)

23-V -51

MAT 2328

Total photon (eV-barns)
Cross Section

23-V -51
-77.94 To 294.0 %



71

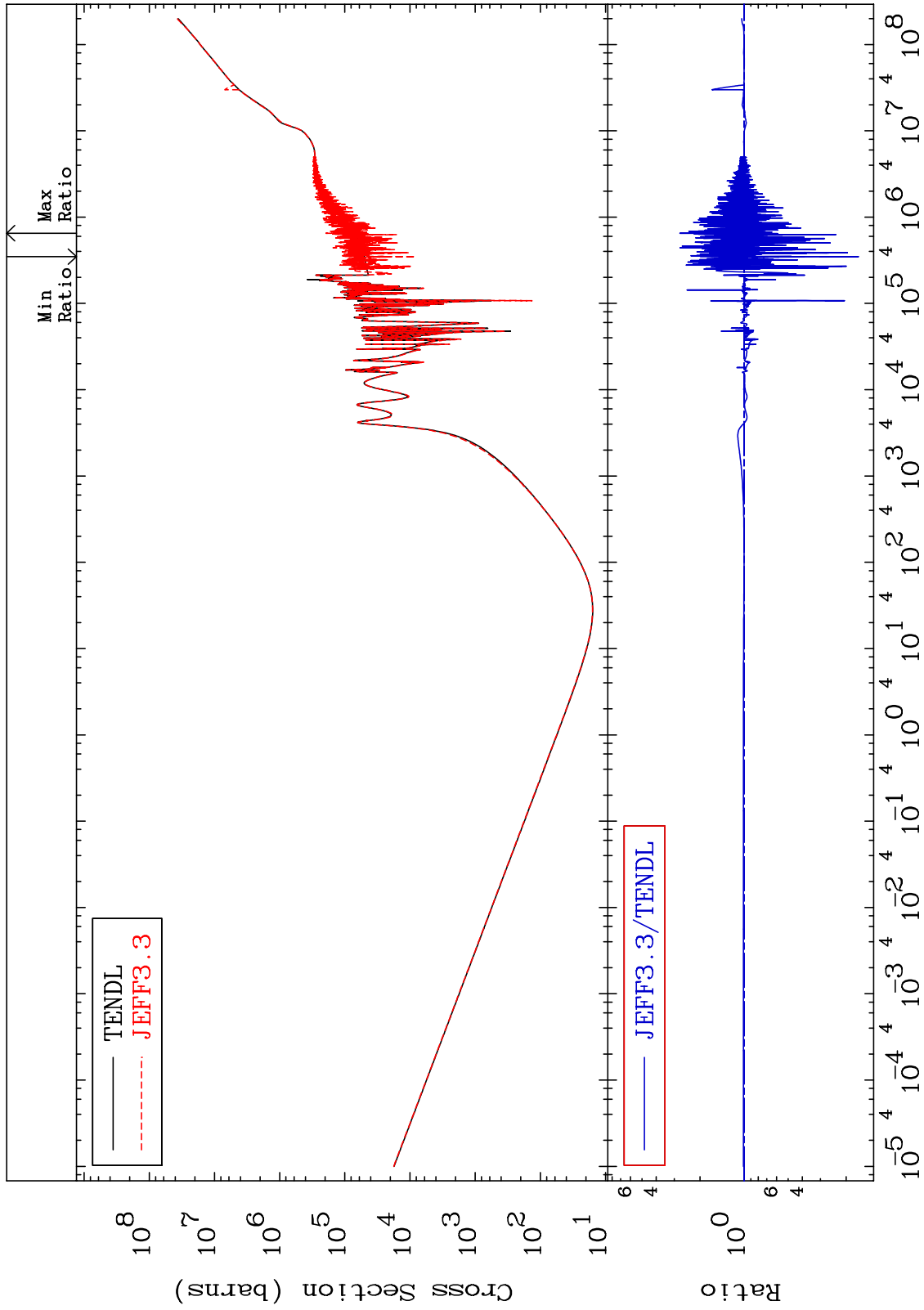
Incident Energy (eV)

23-V -51

MAT 2328

Total kinematic kerma (high limit)
Cross Section

23-V -51
-83.49 To 174.3 %



72

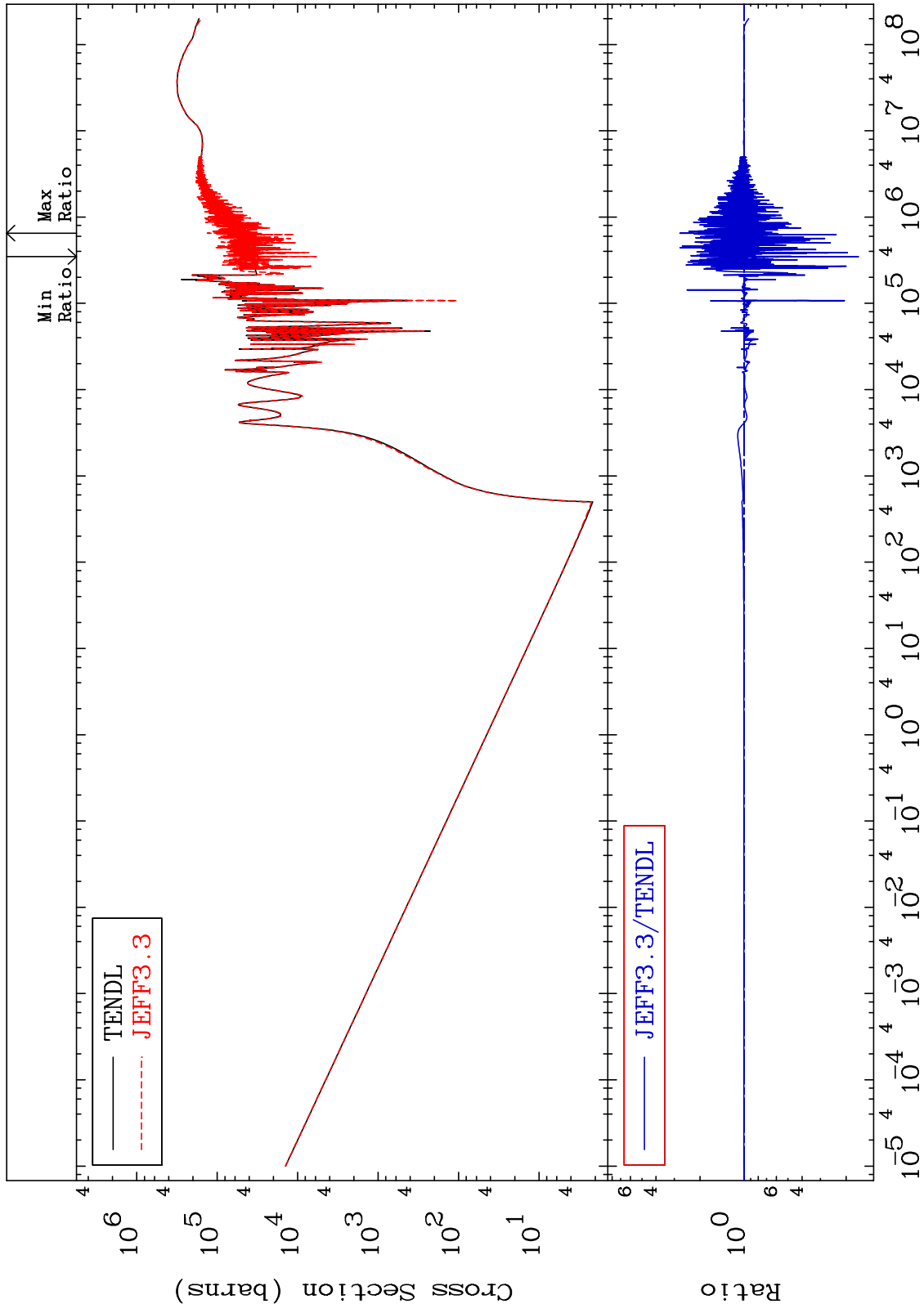
Incident Energy (eV)

23-V -51

MAT 2328

Dpa total (eV-barns)
Cross Section

23-V -51
-83.53 To 174.2 %



73

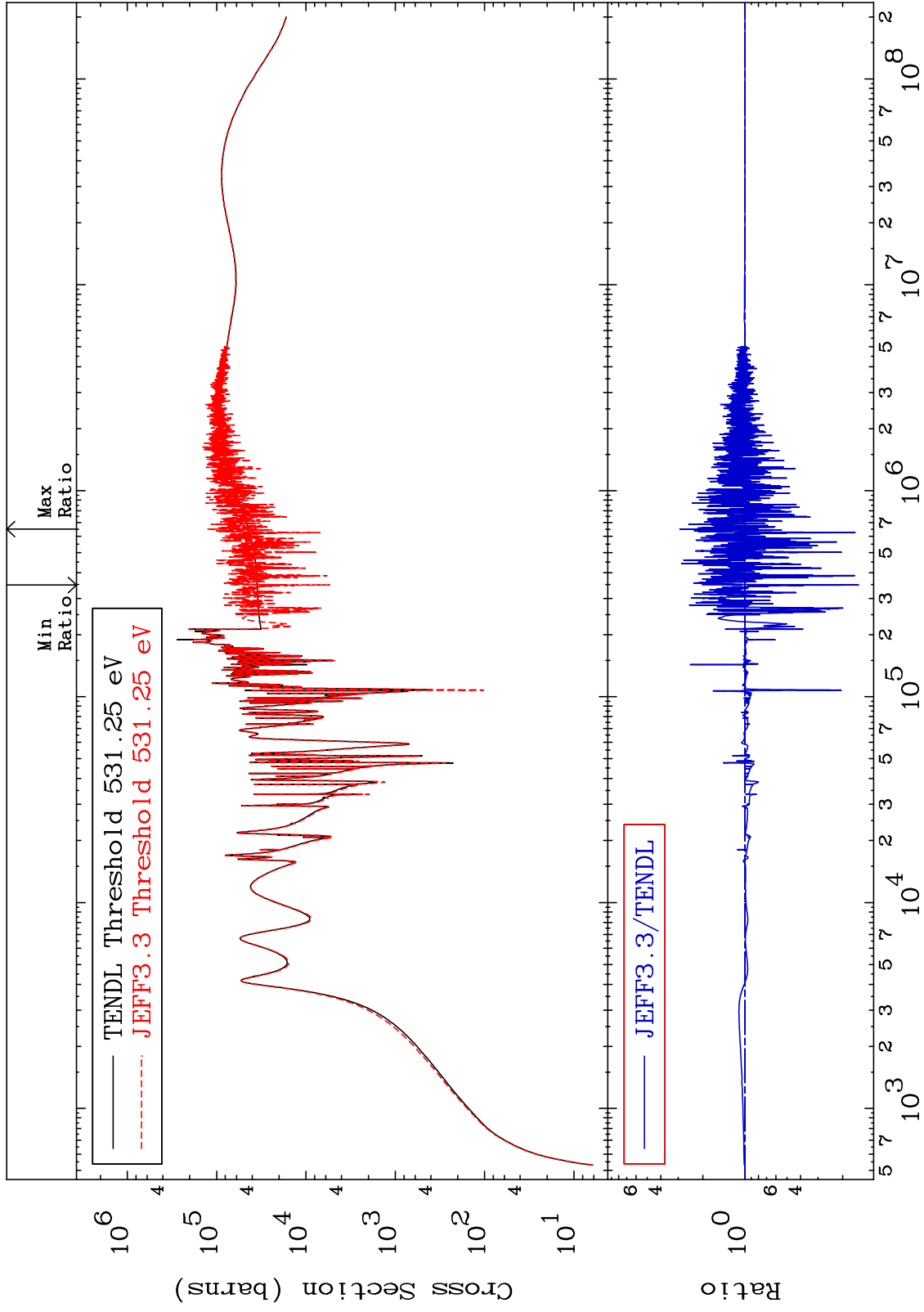
Incident Energy (eV)

23-V -51

MAT 2328

Dpa elastic (mt2)
Cross Section

23-V -51
-84.55 To 191.1 %



74

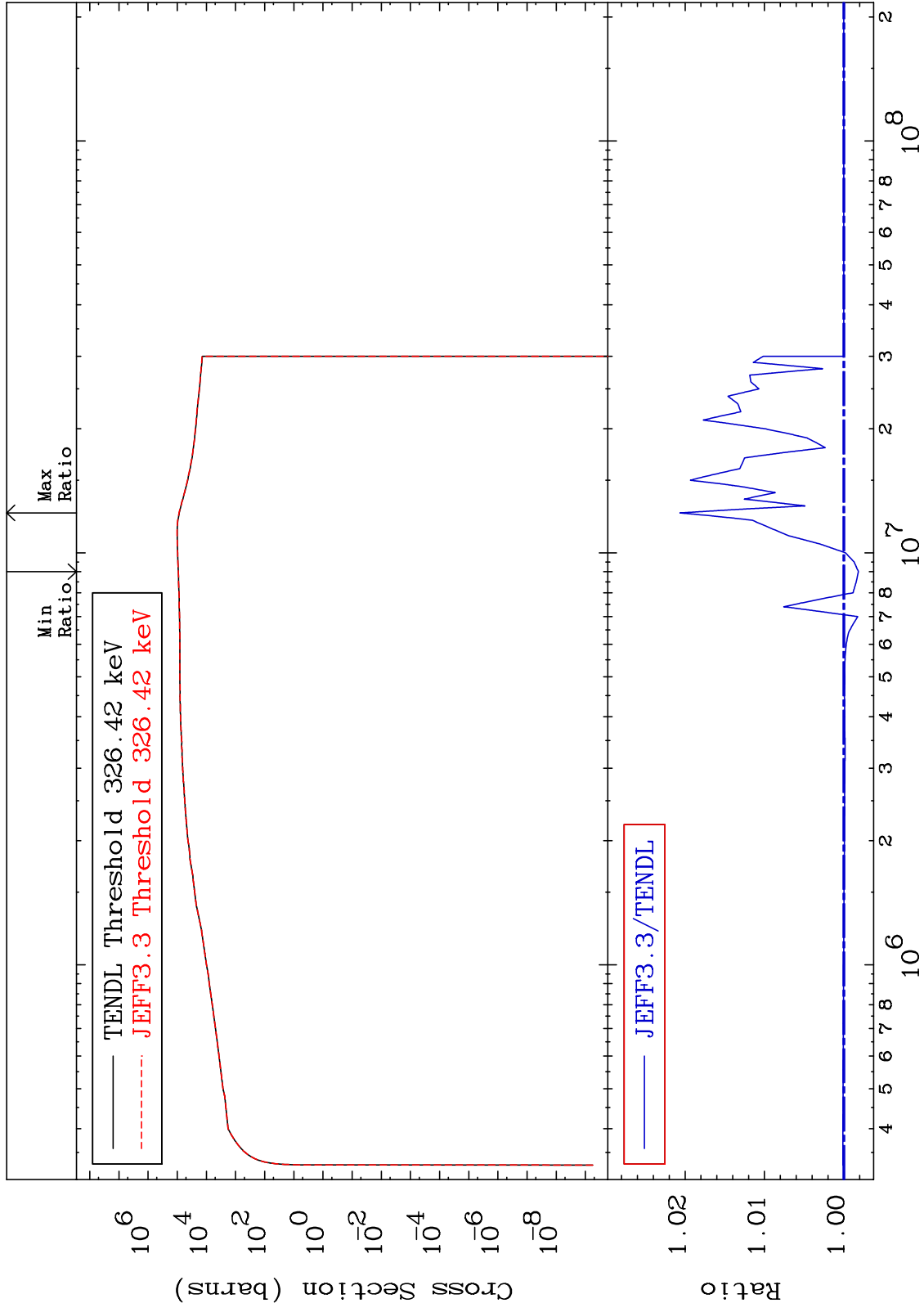
Incident Energy (eV)

23-V -51

MAT 2328

Dpa inelastic (mt51-91)
Cross Section

23-V -51
-0.184 To 2.064 %



75

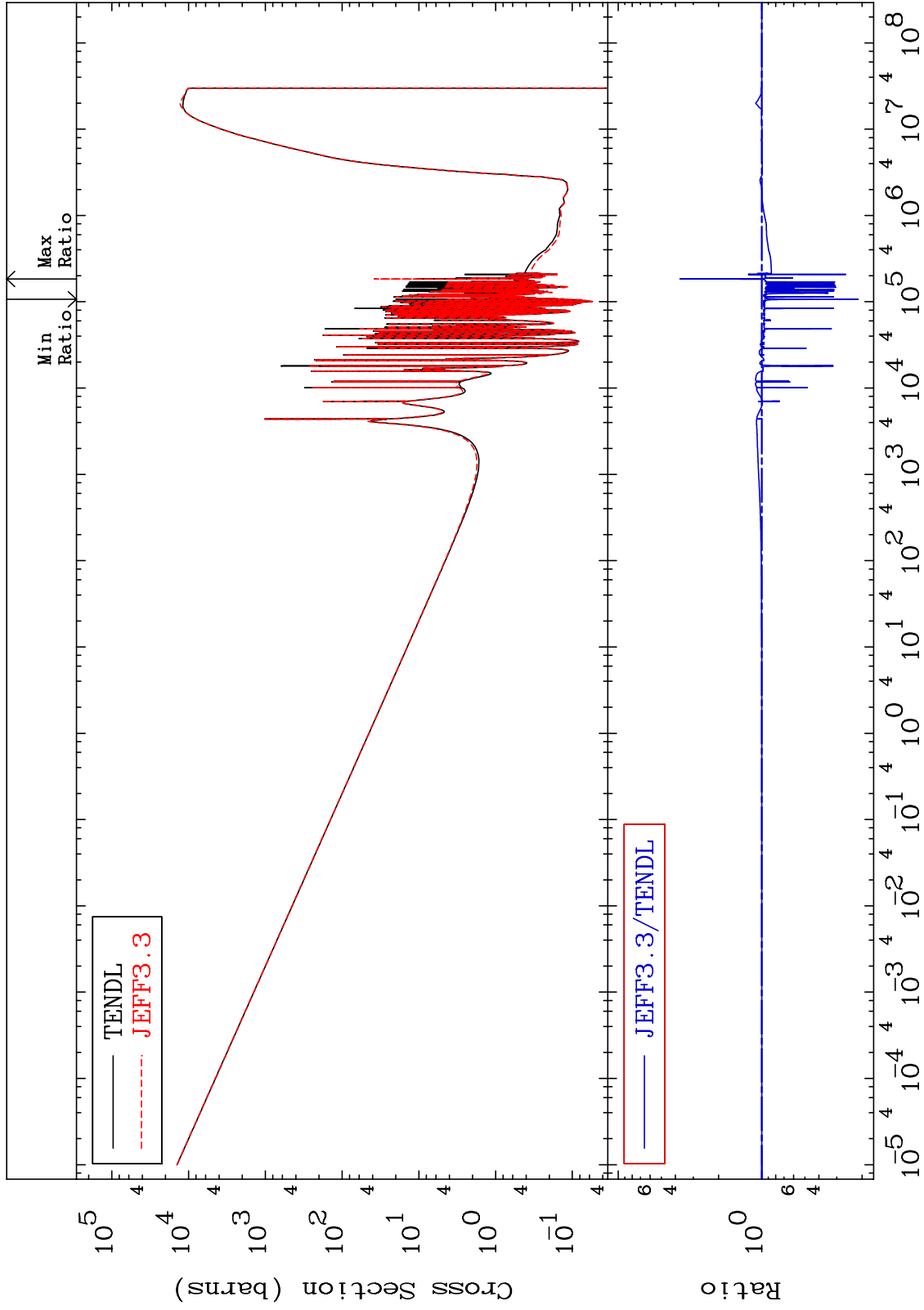
Incident Energy (eV)

23-V -51

MAT 2328

Dpa disappearance (mt102 -120)
Cross Section

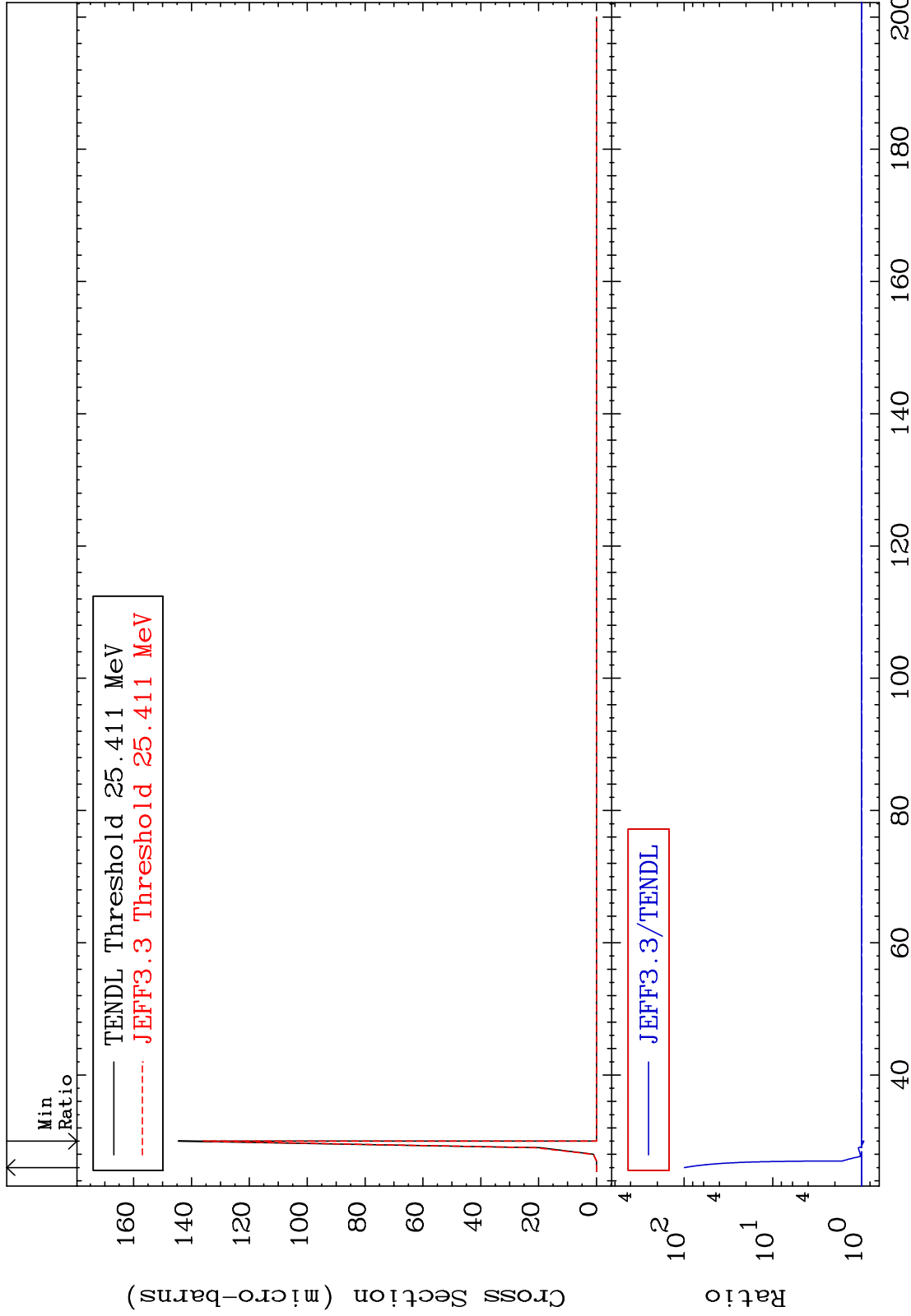
23-V -51
-78.78 To 271.4 %



76

Incident Energy (eV)

23-V -51

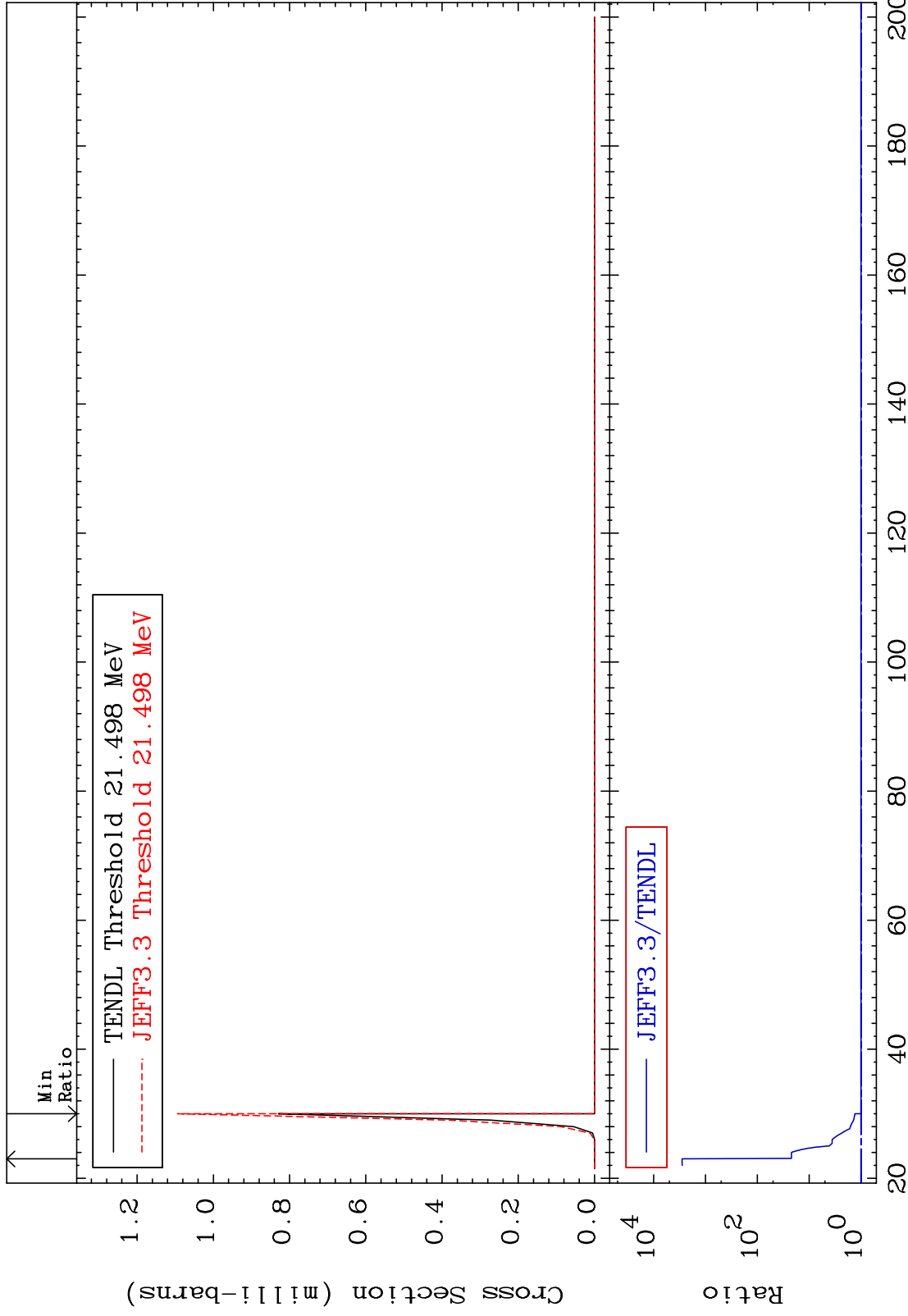


MAT 2328

(n,2n) α :21-Sc-46m2

23-V -51

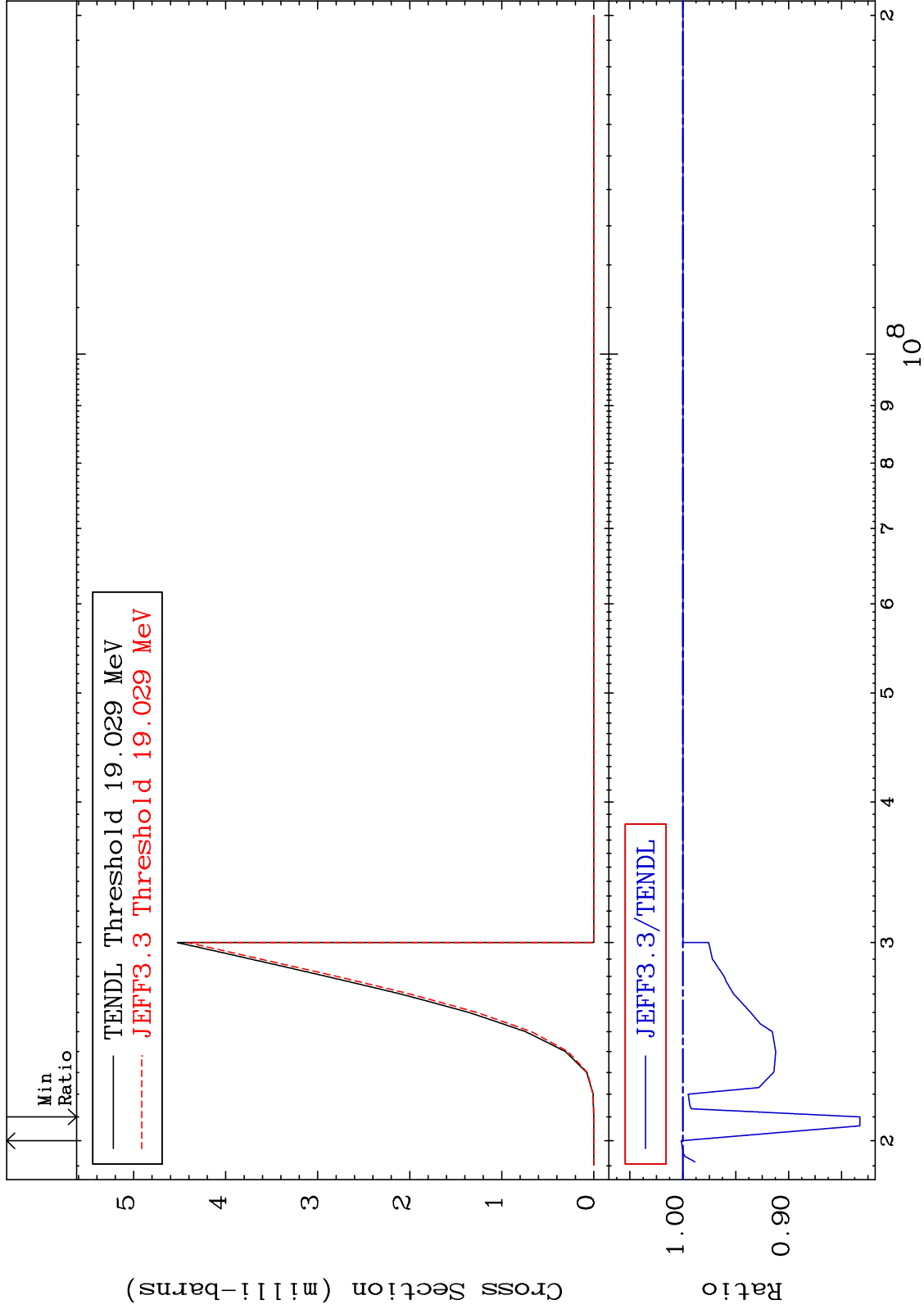
Radionuclide Production Cross Section 0.000 To 9999. %



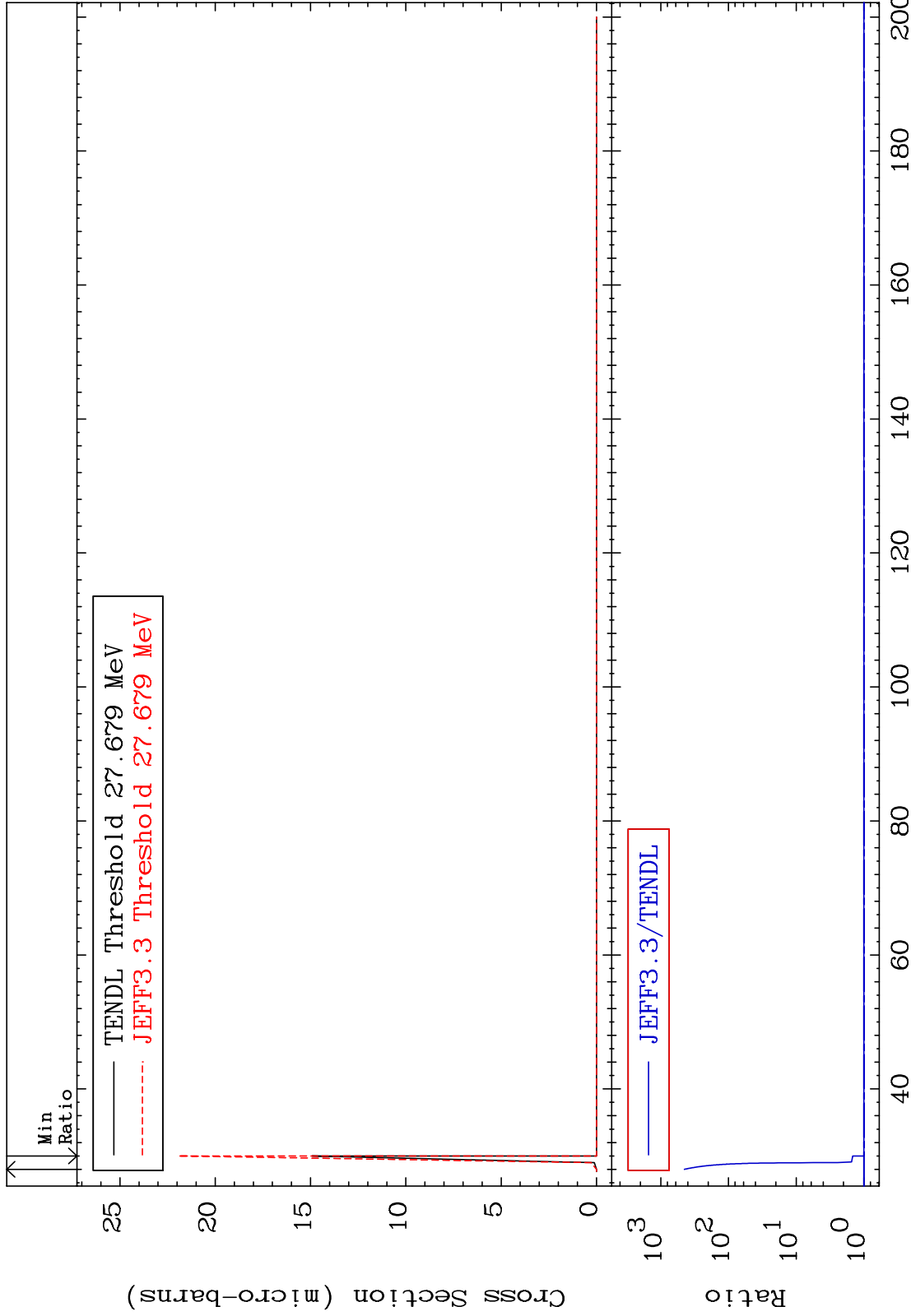
79

Incident Energy (MeV)

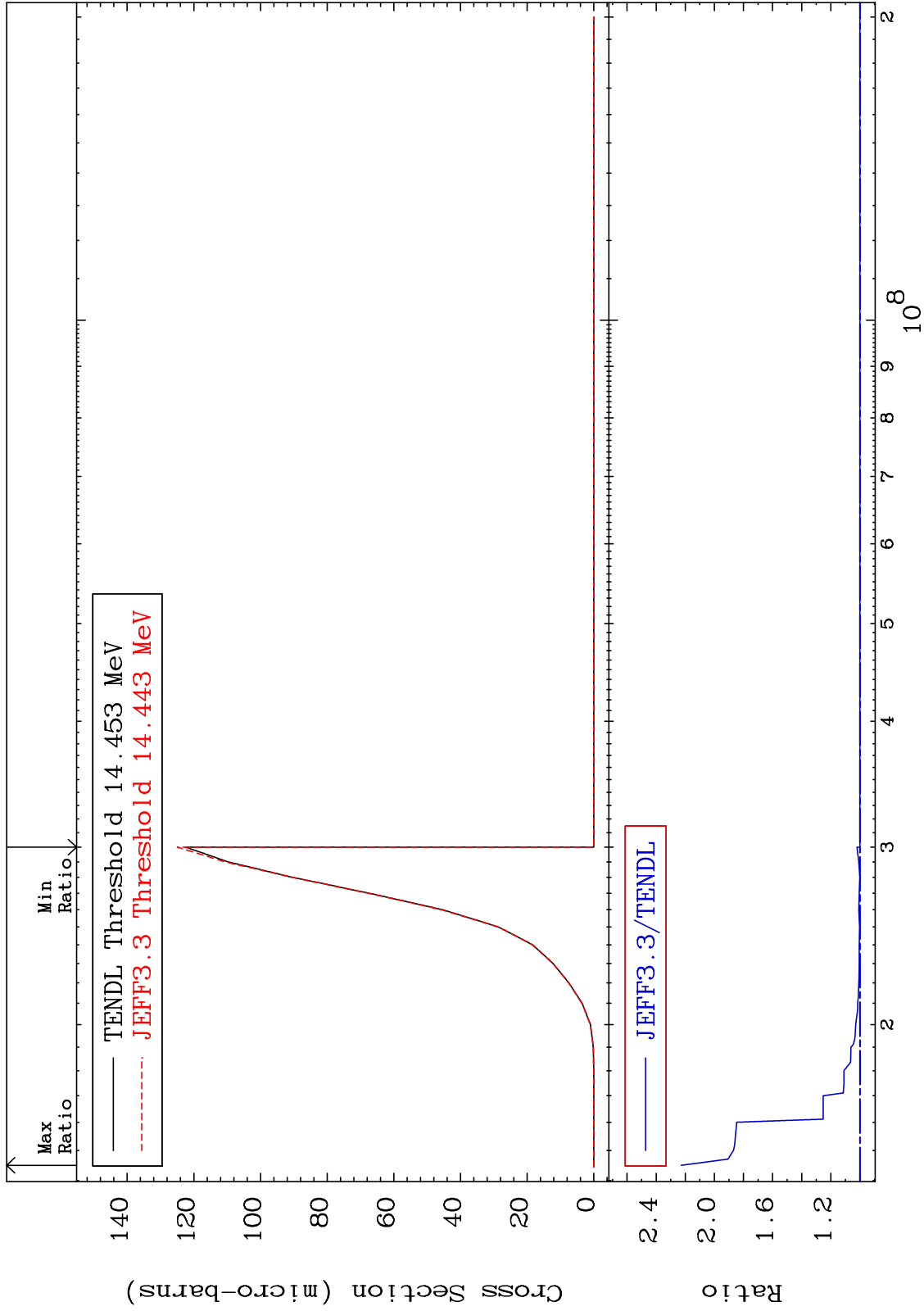
23-V -51



Radionuclide Production Cross Section 0.000 To 9999. %



(n,2p):21-Sc-50g
Radionuclide Production Cross Section 0.000 To 122.8 %



Radionuclide Production Cross Section -1.648 To 1274. %

