

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

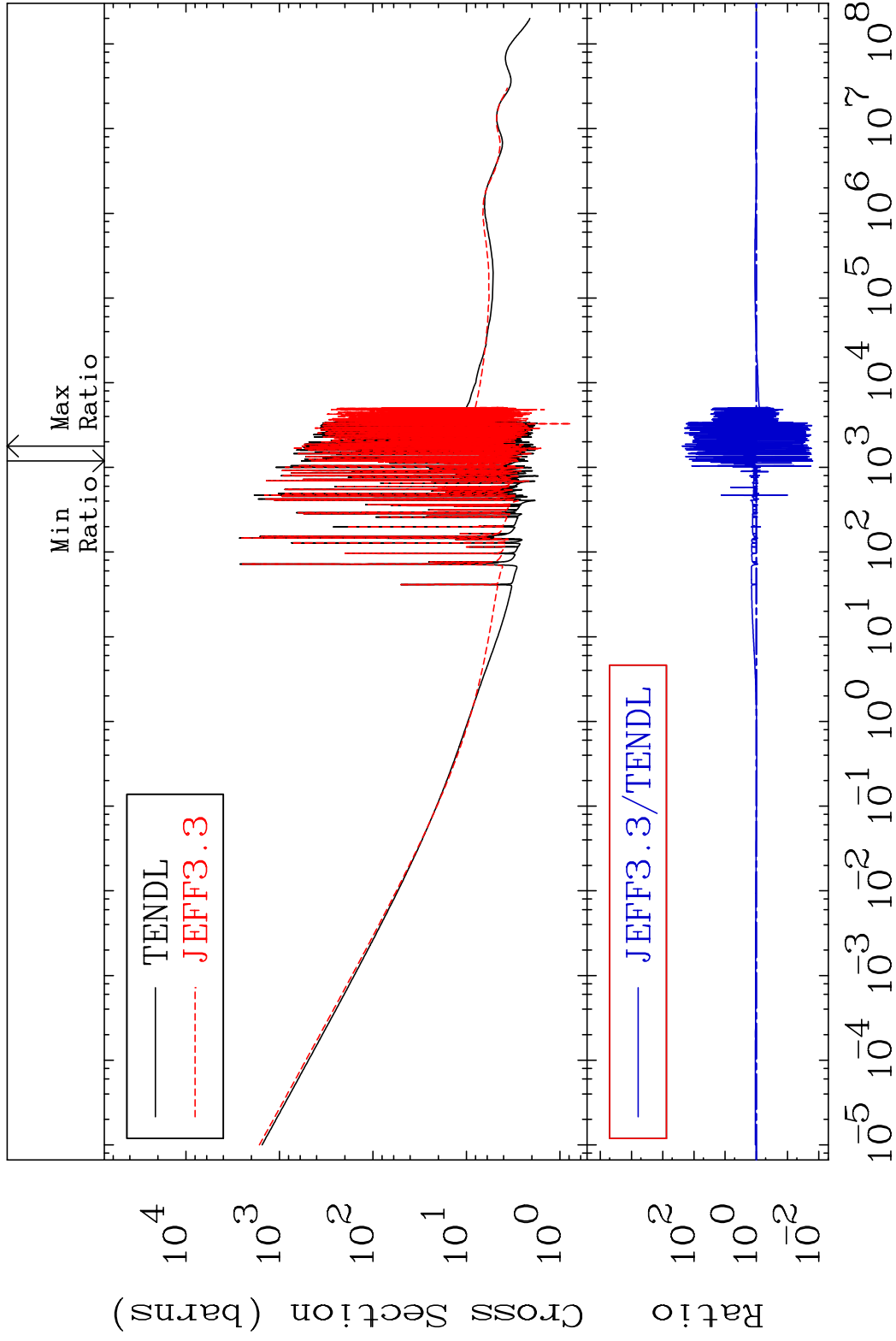
Press Mouse Button to Start

MAT 5331

Total

53-I -129

Cross Section -98.42 To 9999. %



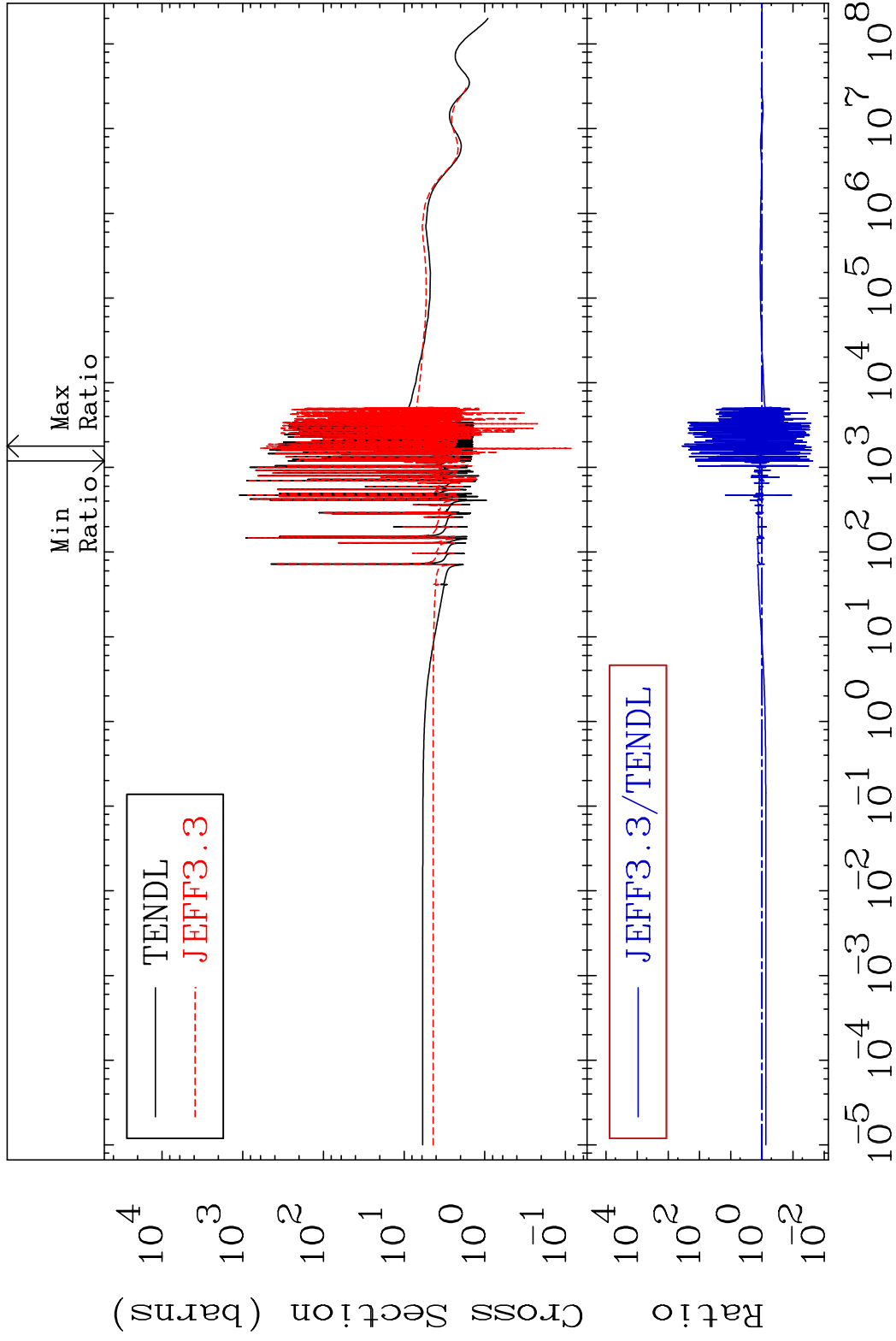
1

Incident Energy (eV)

53-I -129

MAT 5331

Elastic Cross Section 53-I -129
-97.63 To 9999. %



2

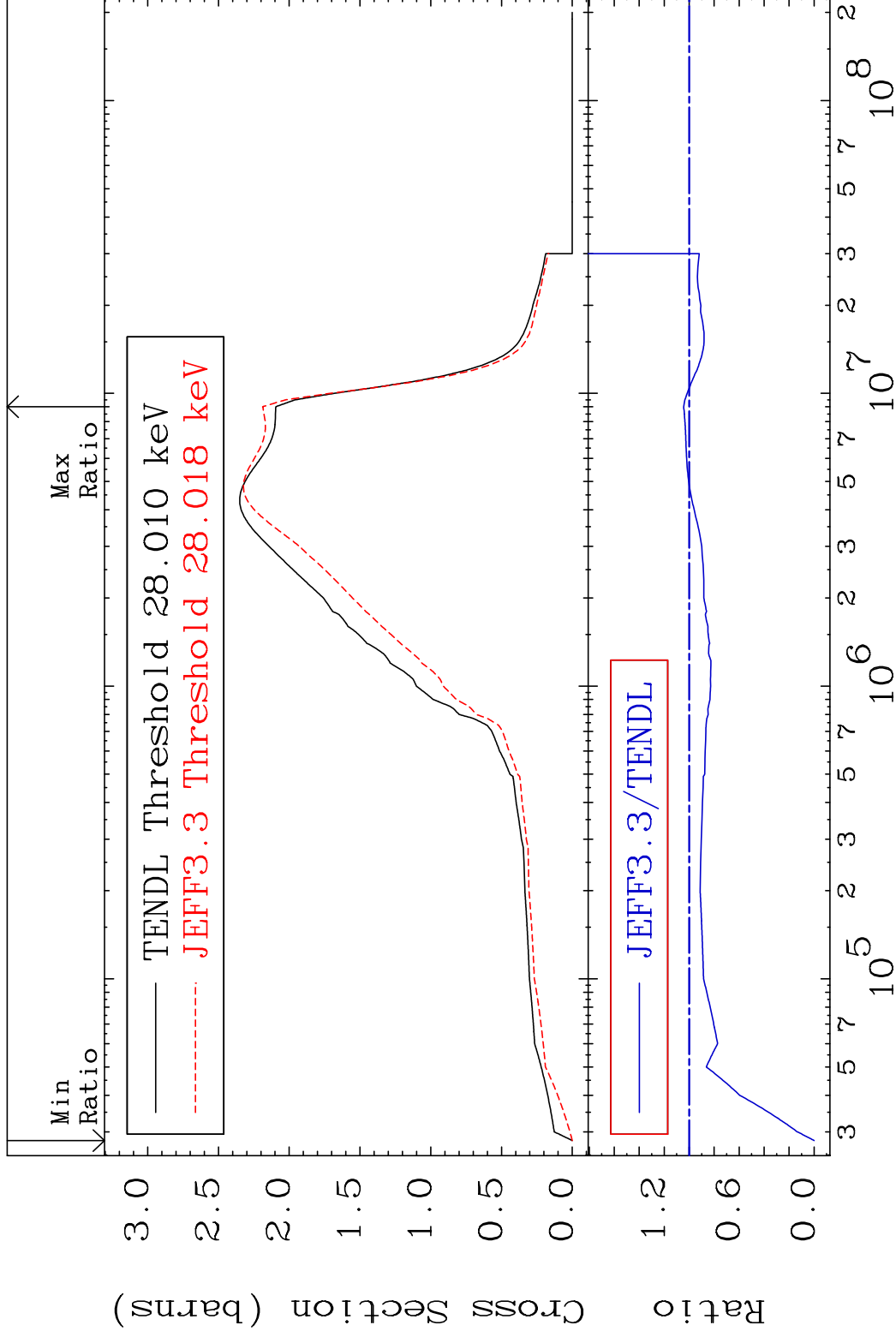
Incident Energy (eV) 53-I -129

MAT 5331

Inelastic

53-I -129

Cross Section -100.0 To 4.412 %



3

Incident Energy (eV)

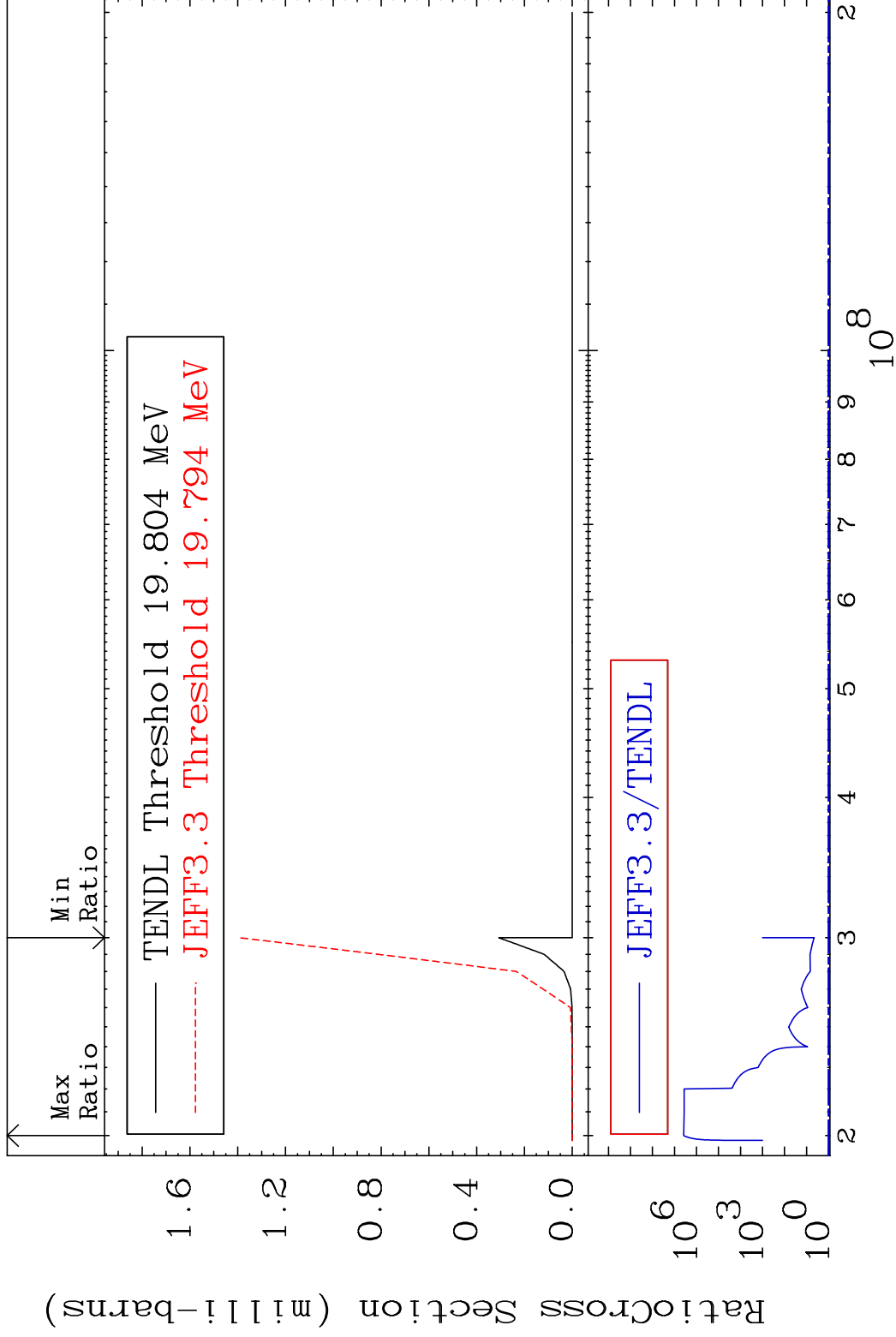
53-I -129

MAT 5331

(n,2n) d

53-I -129

Cross Section 352.5 To 9999. %



4

Incident Energy (eV)

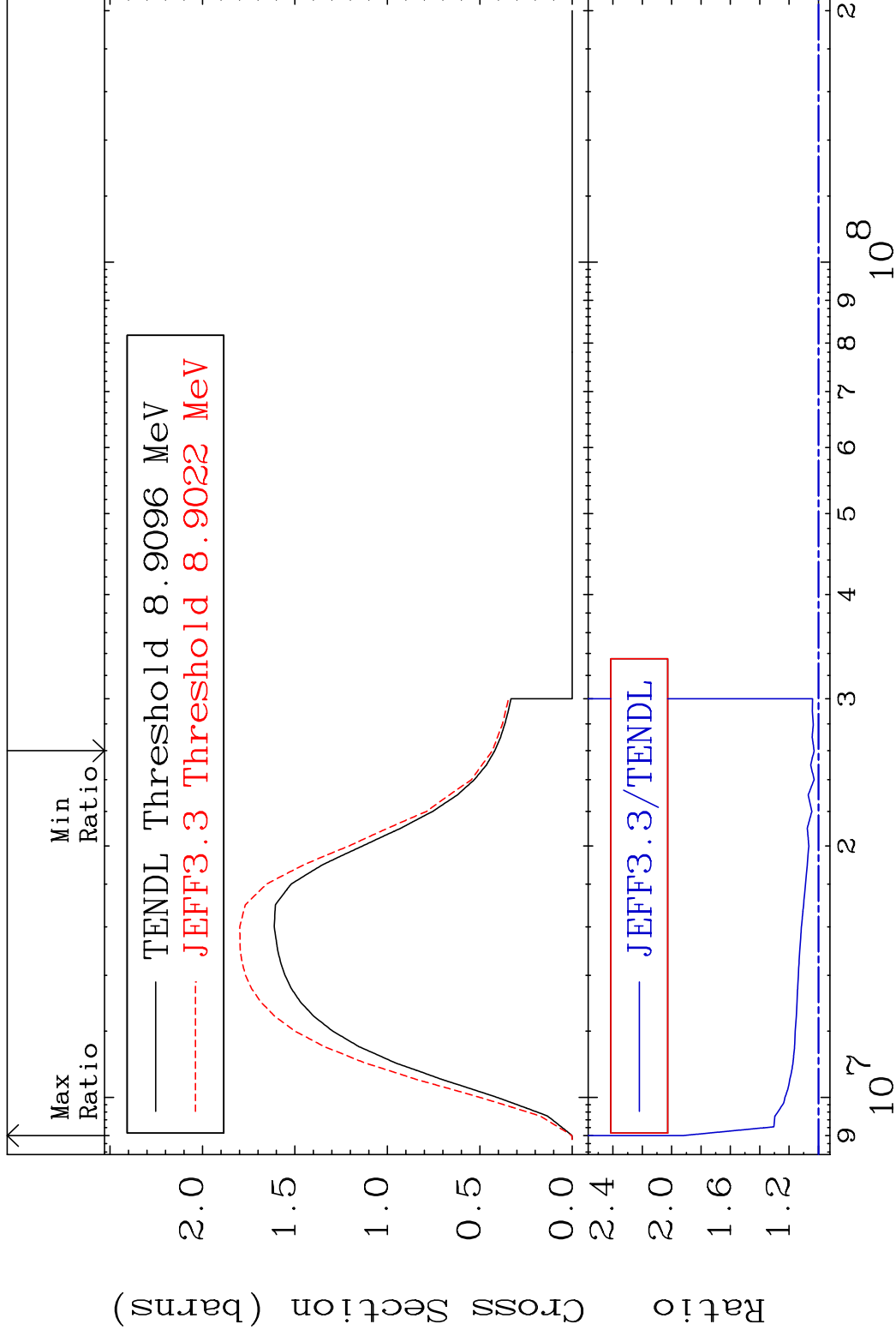
53-I -129

MAT 5331

(n,2n)

53-I -129

Cross Section 2.936 To 91.82 %



5

Incident Energy (eV)

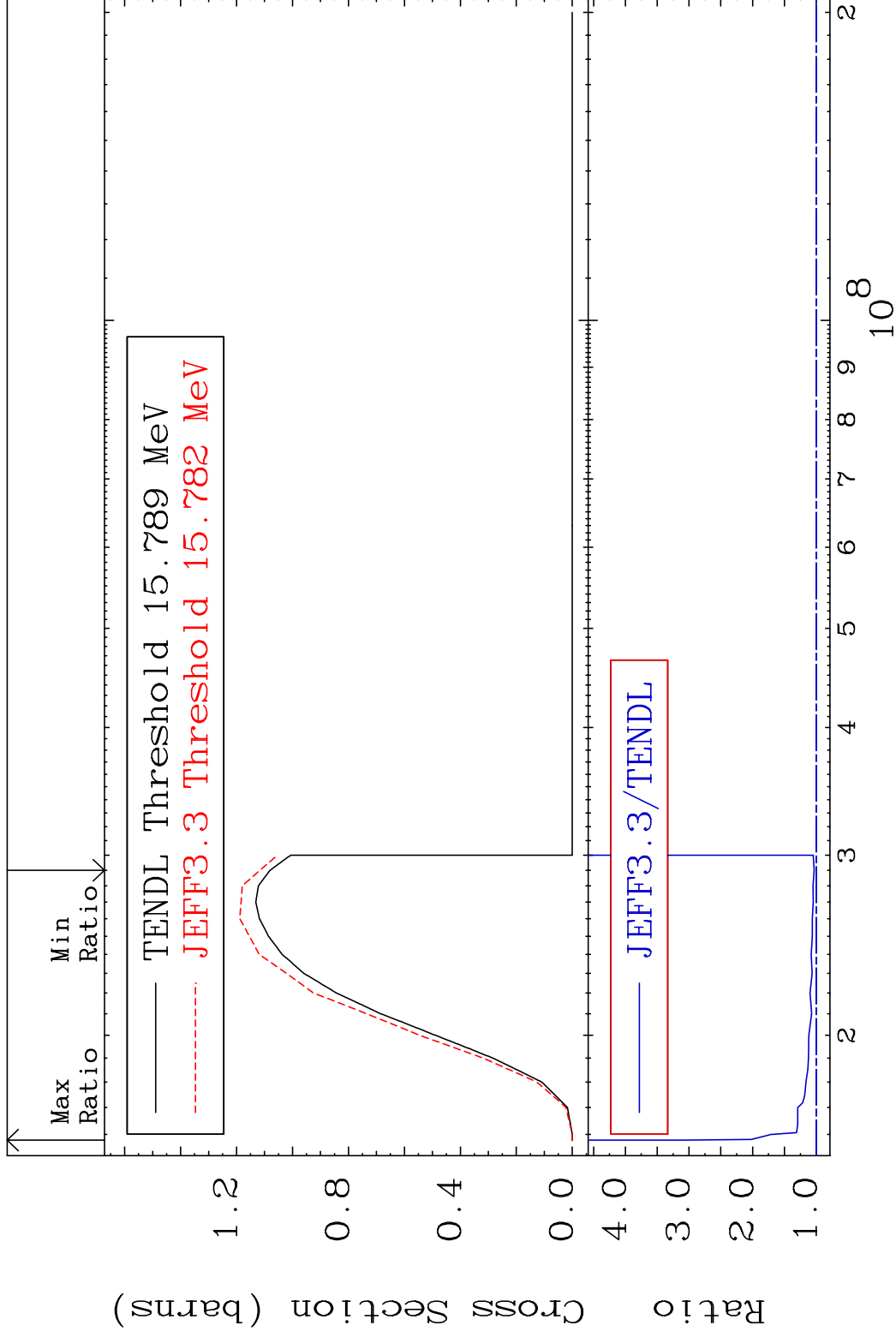
53-I -129

MAT 5331

(n,3n)

53-I -129

Cross Section 3.351 To 208.4 %

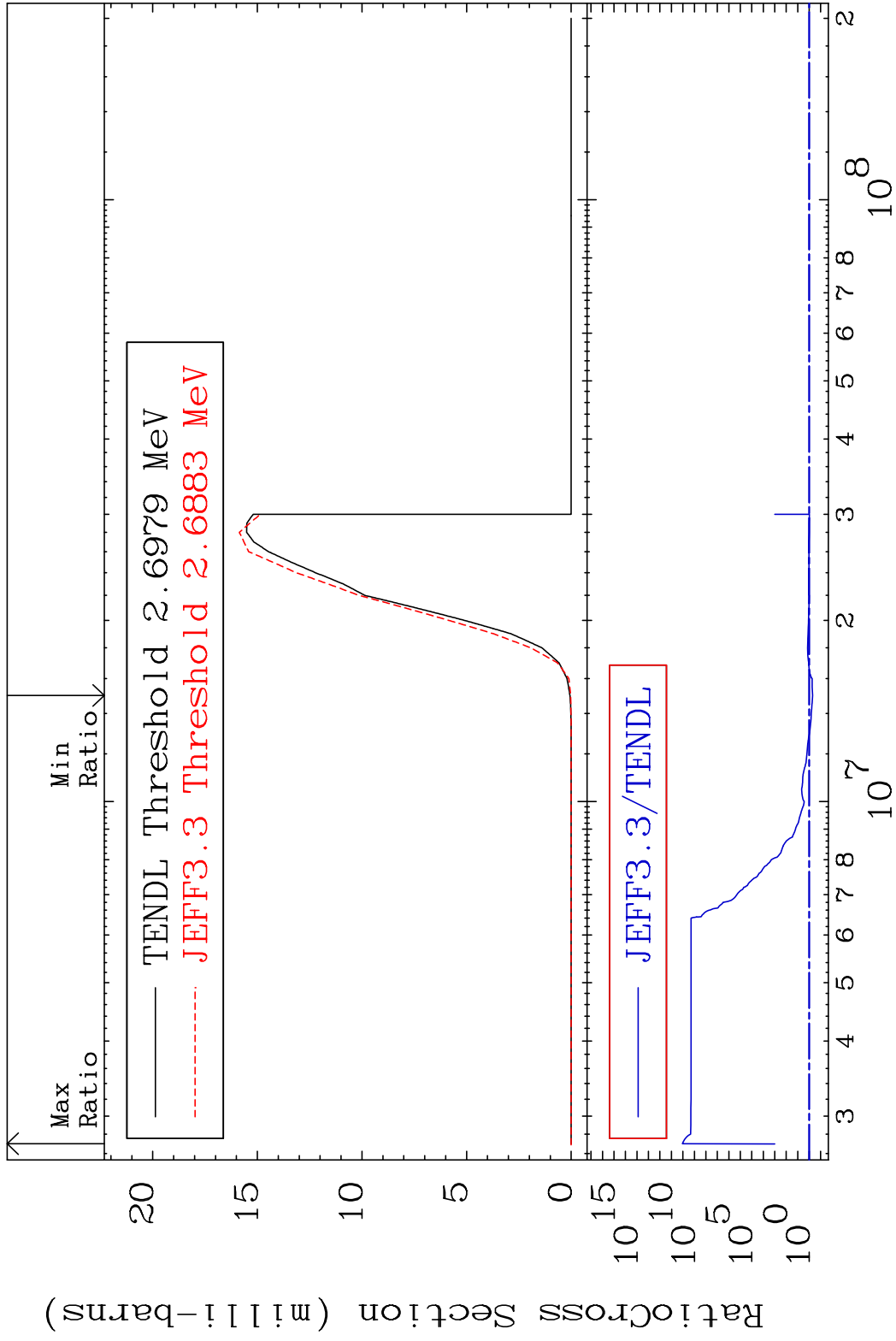


MAT 5331

(n, n') α

53-I -129

Cross Section -48.83 To 9999. %



7

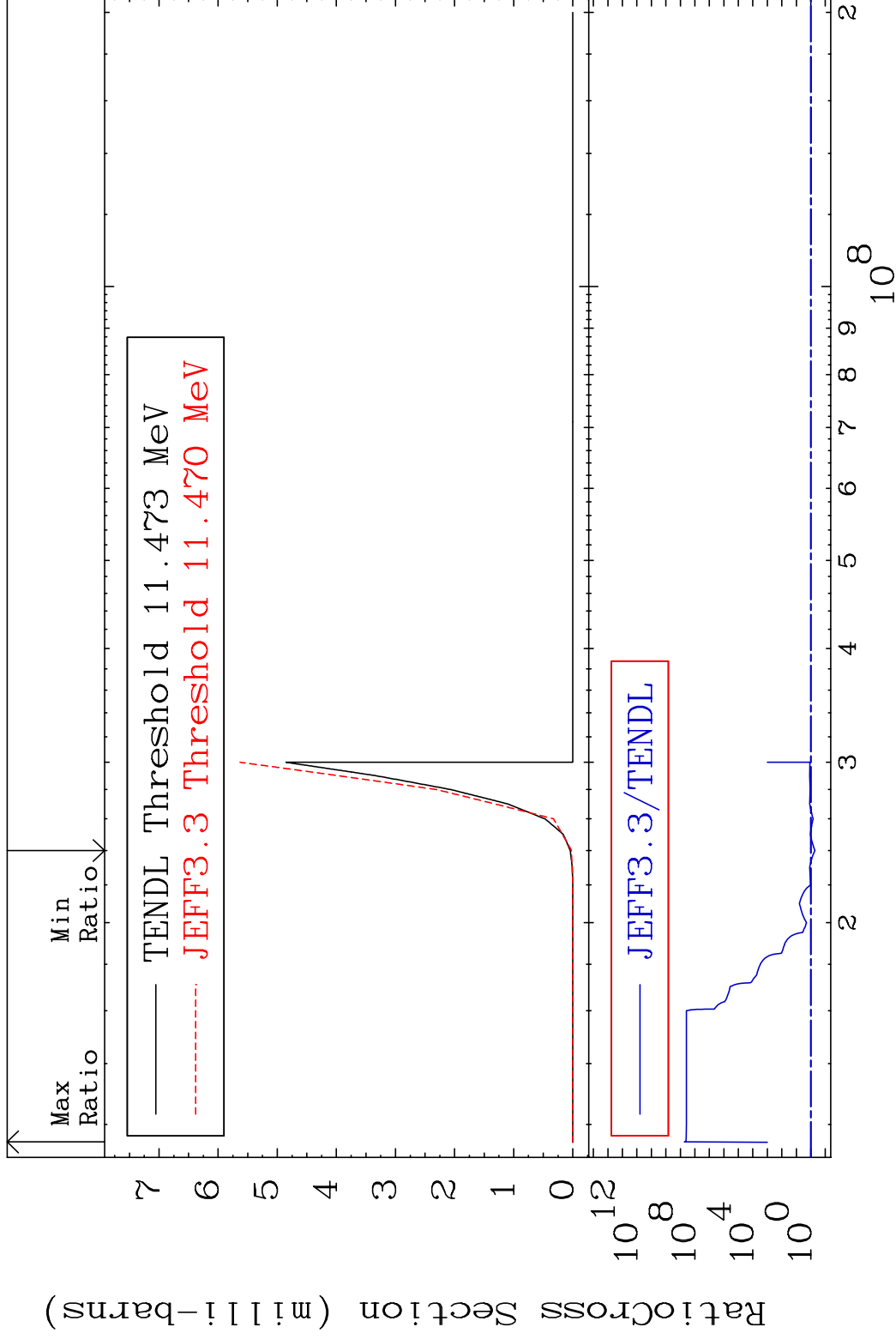
Incident Energy (eV)

53-I -129

MAT 5331

(n,2n) α 53-I -129

Cross Section -47.59 To 9999. %

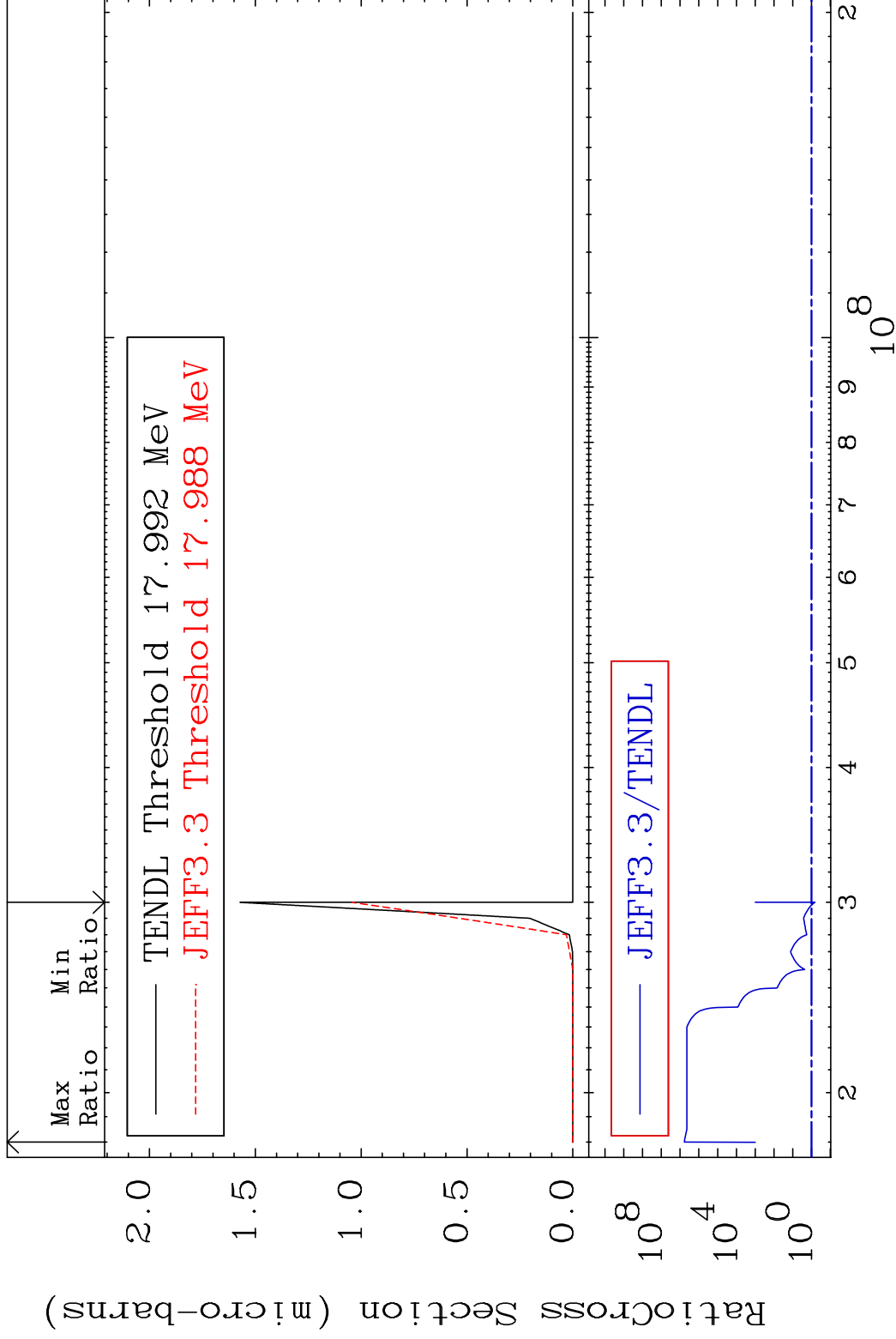


MAT 5331

(n,3n) α

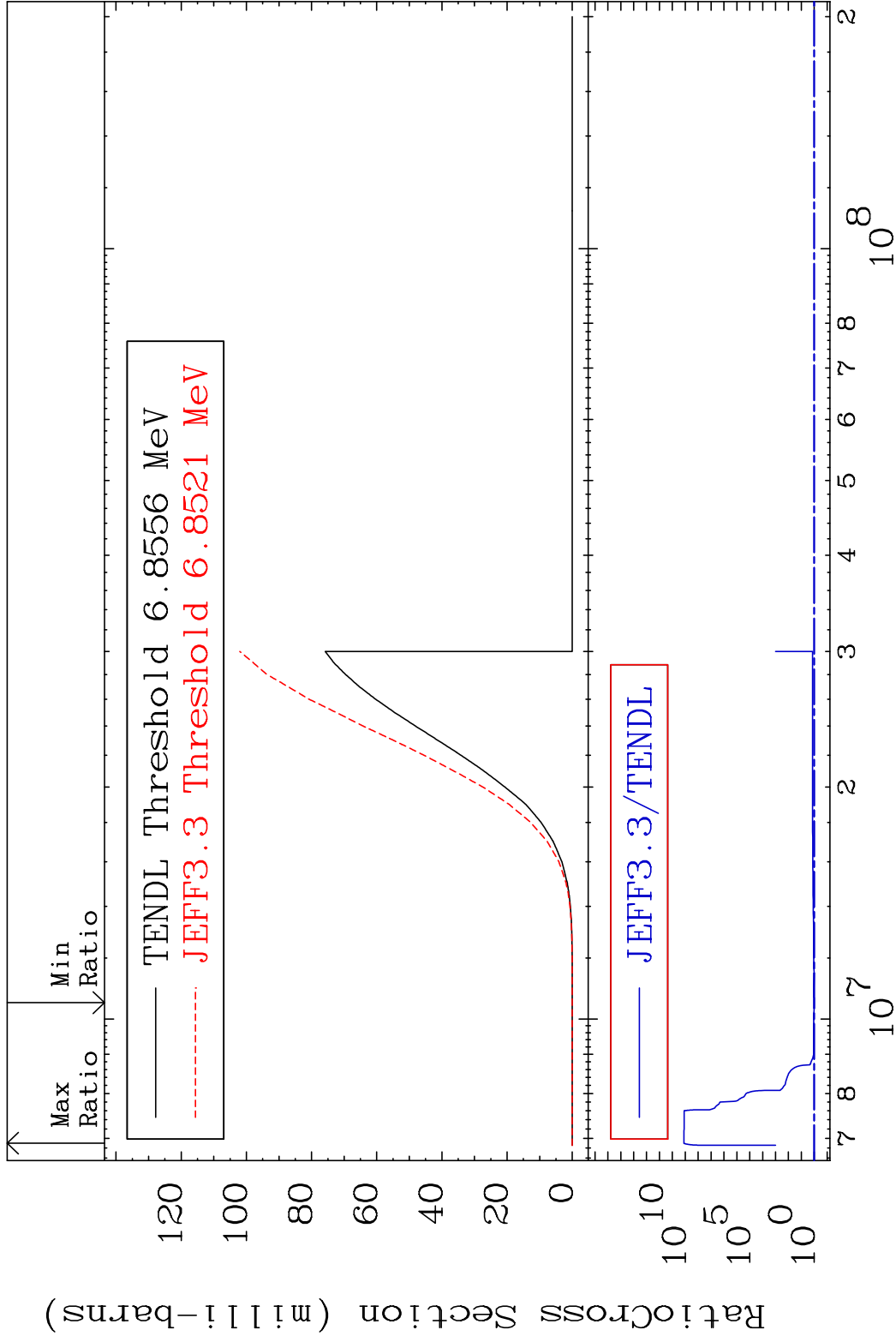
53-I -129

Cross Section -33.67 To 9999. %



MAT 5331

(n, n') p 53-I -129
Cross Section 2.491 To 9999. %



10

Incident Energy (eV)

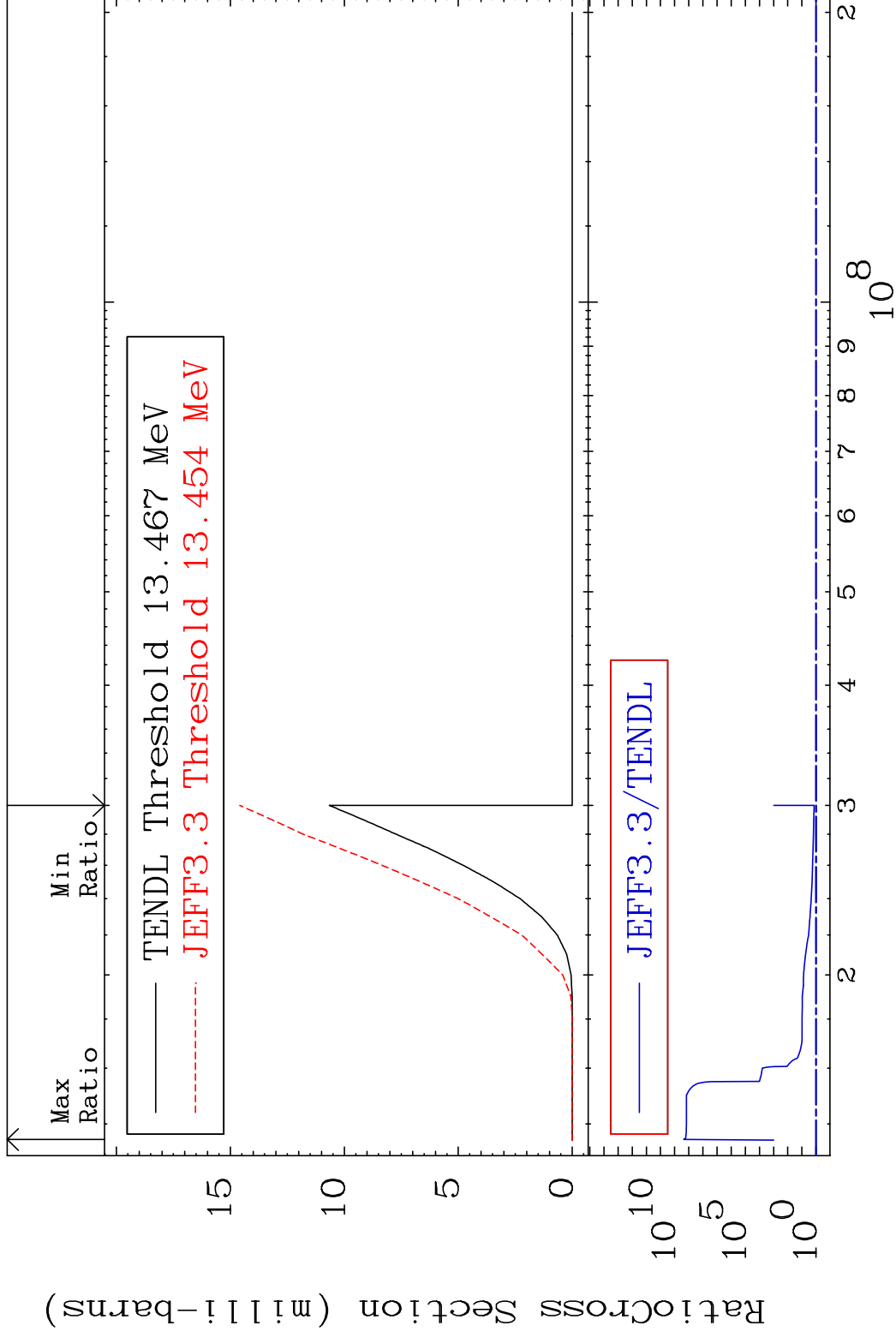
53-I -129

MAT 5331

(n, n') d

53-I -129

Cross Section 36.85 To 9999. %



MAT 5331

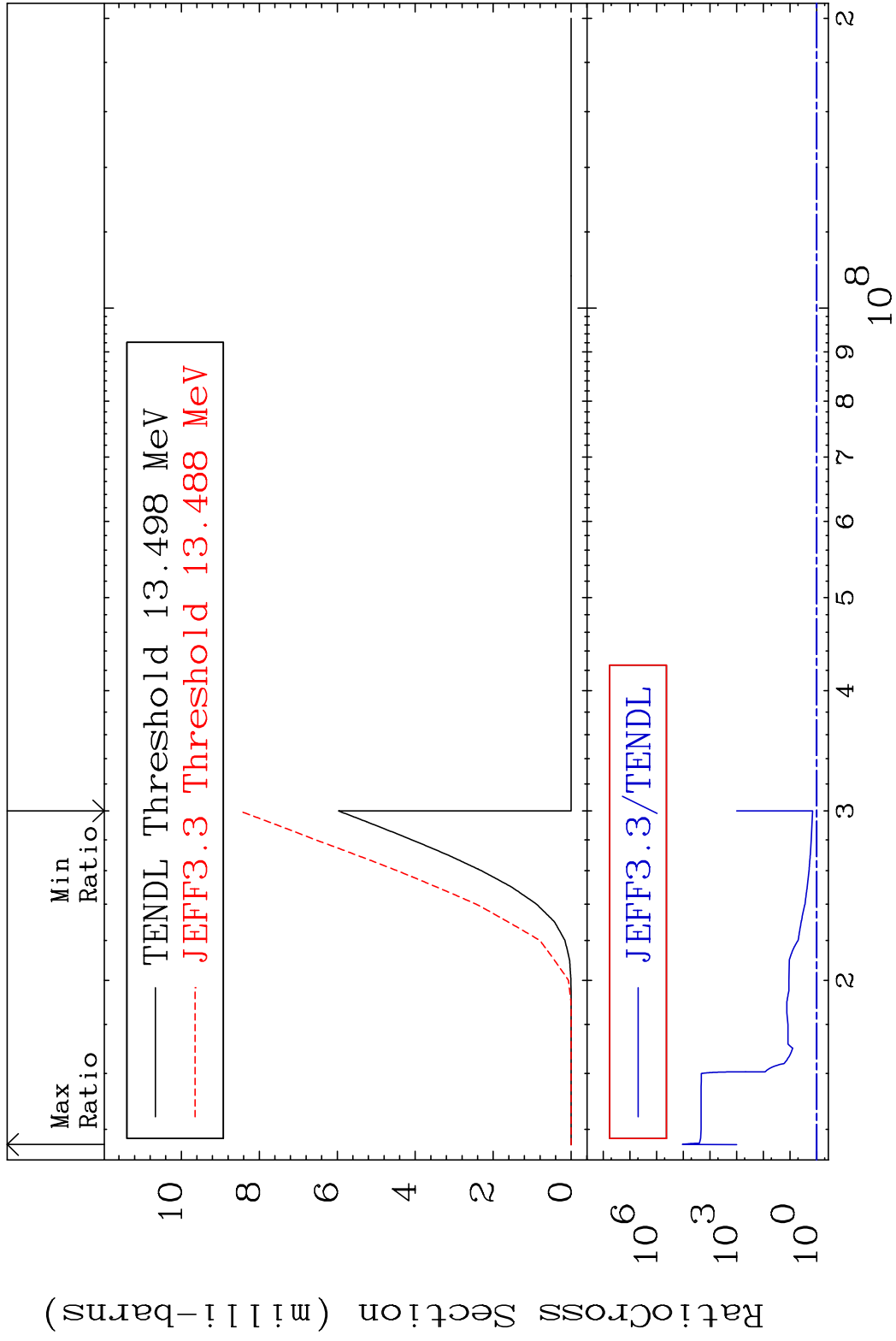
(n, n') t

53-I -129

Cross Section

42.58

To 9999. %

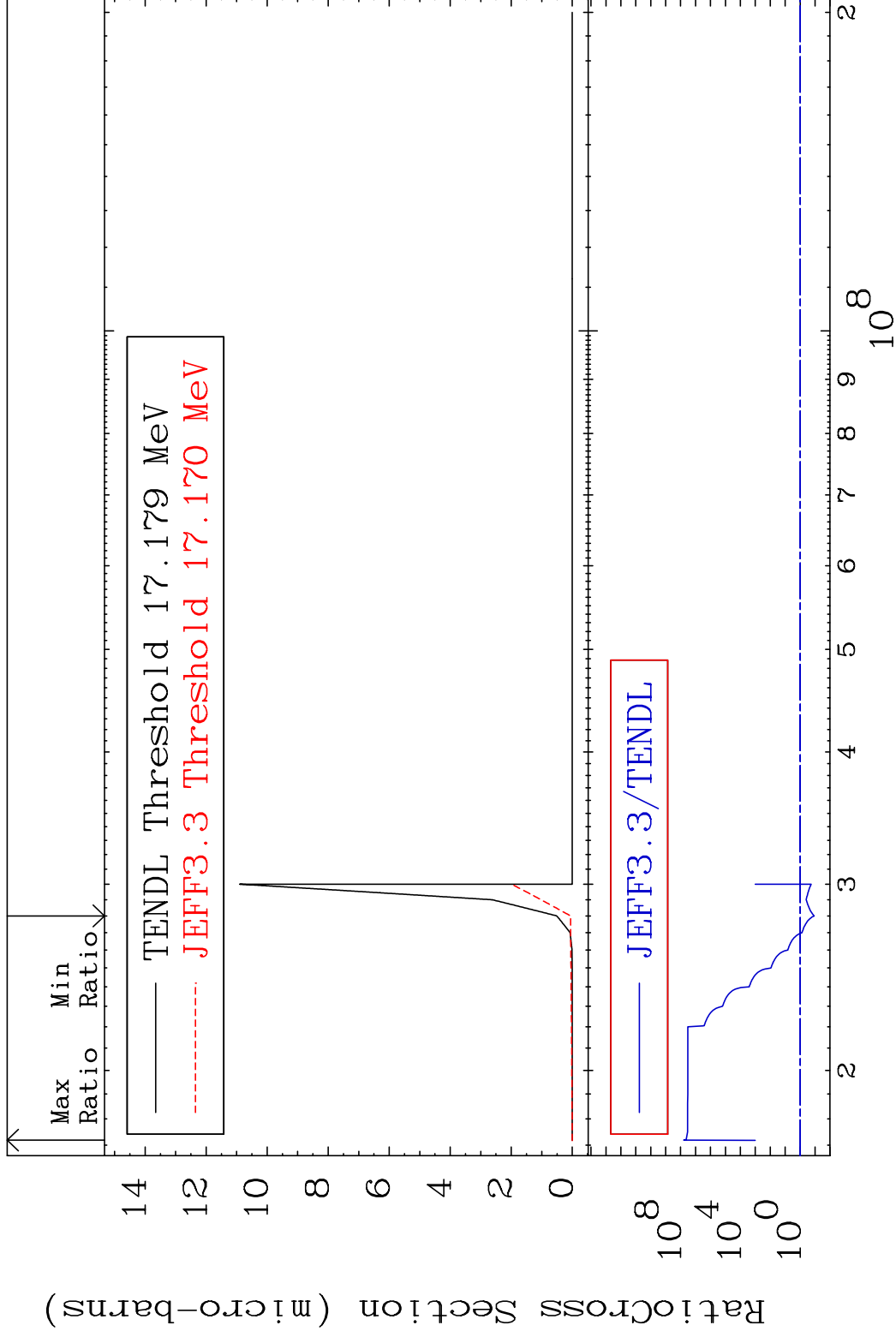


MAT 5331

(n,n') He-3

53-I -129

Cross Section -88.43 To 9999. %

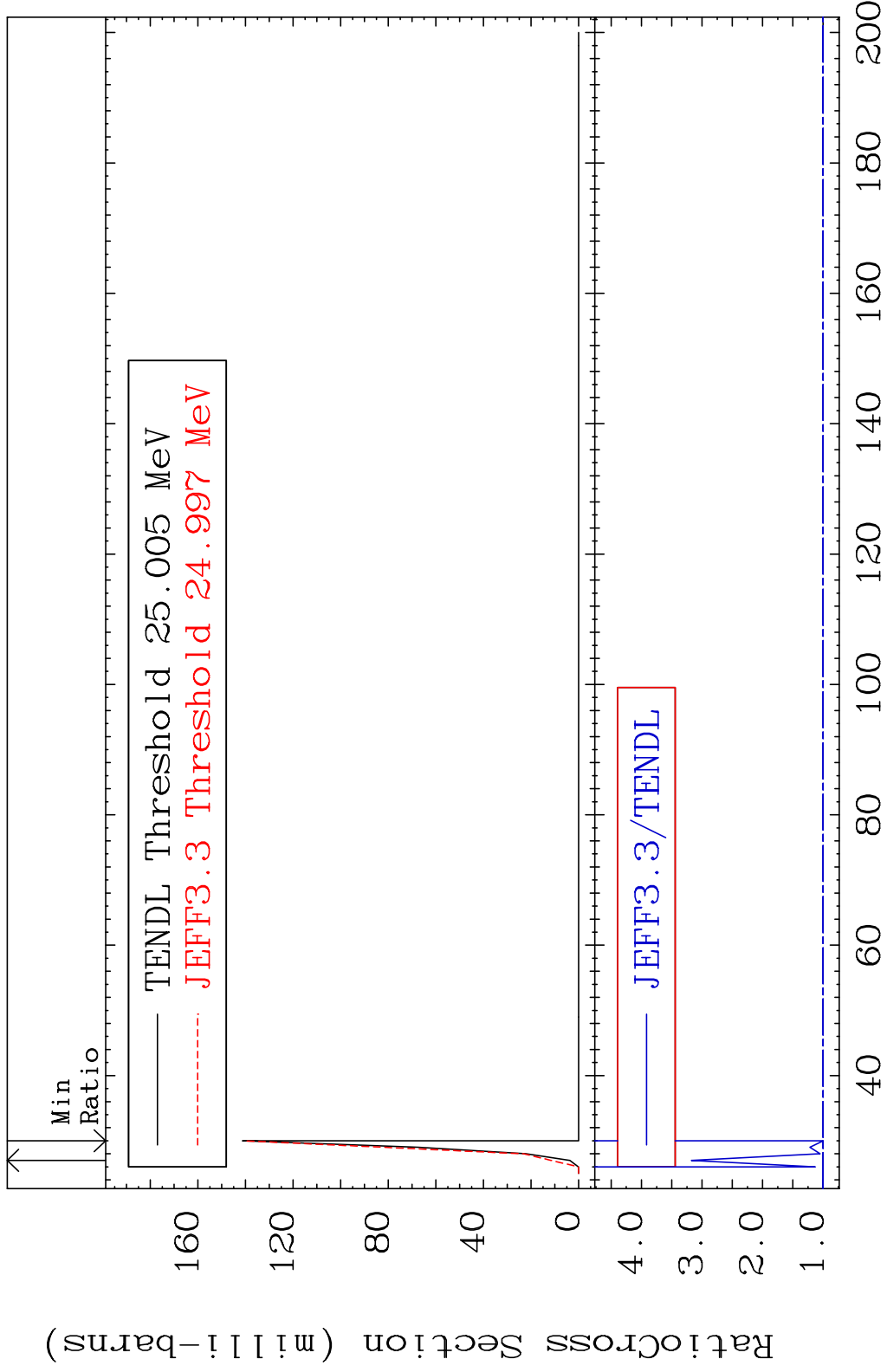


MAT 5331

(n,4n)

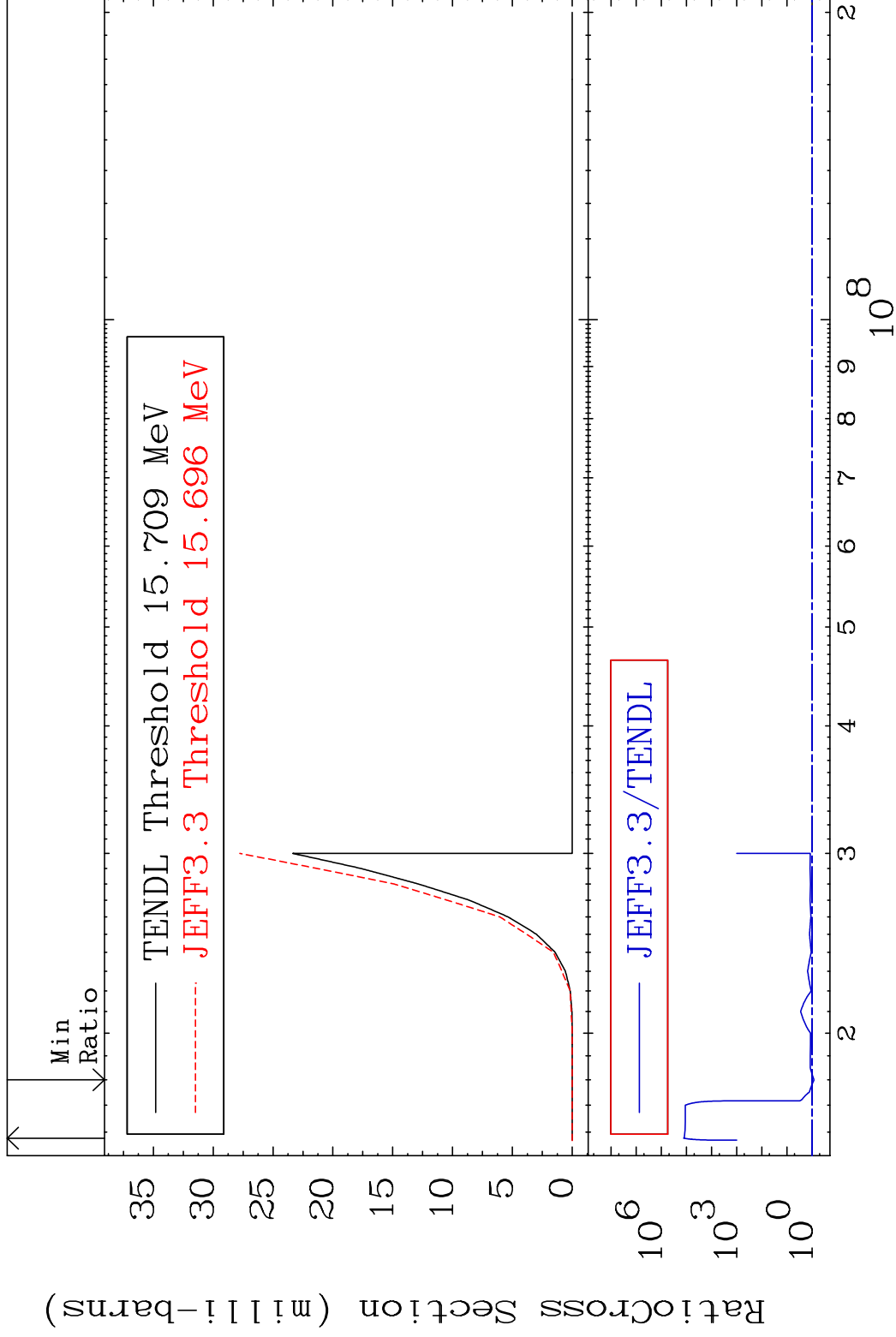
53-I -129

Cross Section -0.247 To 217.6 %



MAT 5331

(n,2n) p 53-I -129
Cross Section -16.18 To 9999. %



15

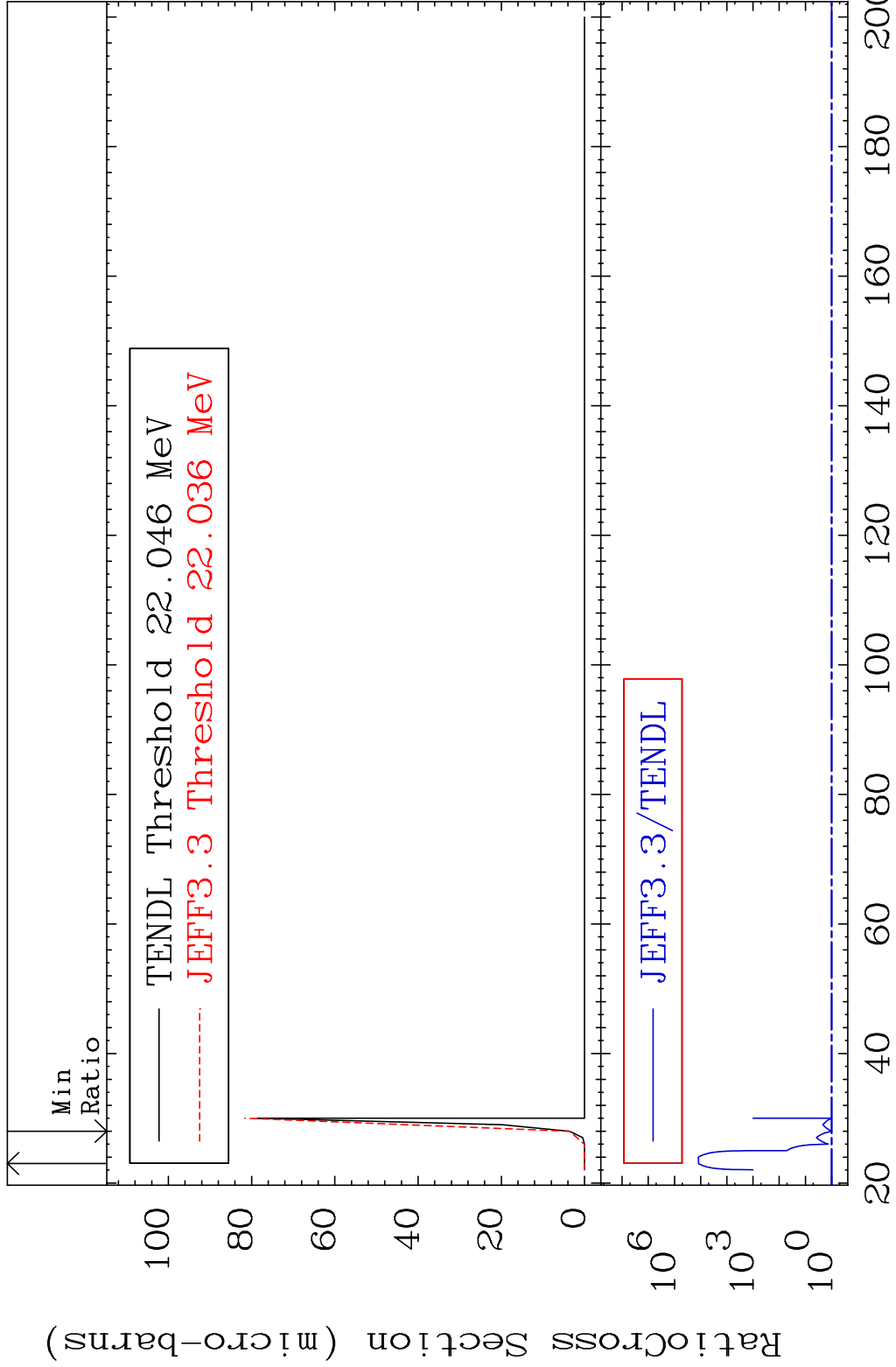
Incident Energy (eV) 53-I -129

MAT 5331

(n,3n) p

53-I -129

Cross Section -0.108 To 9999. %



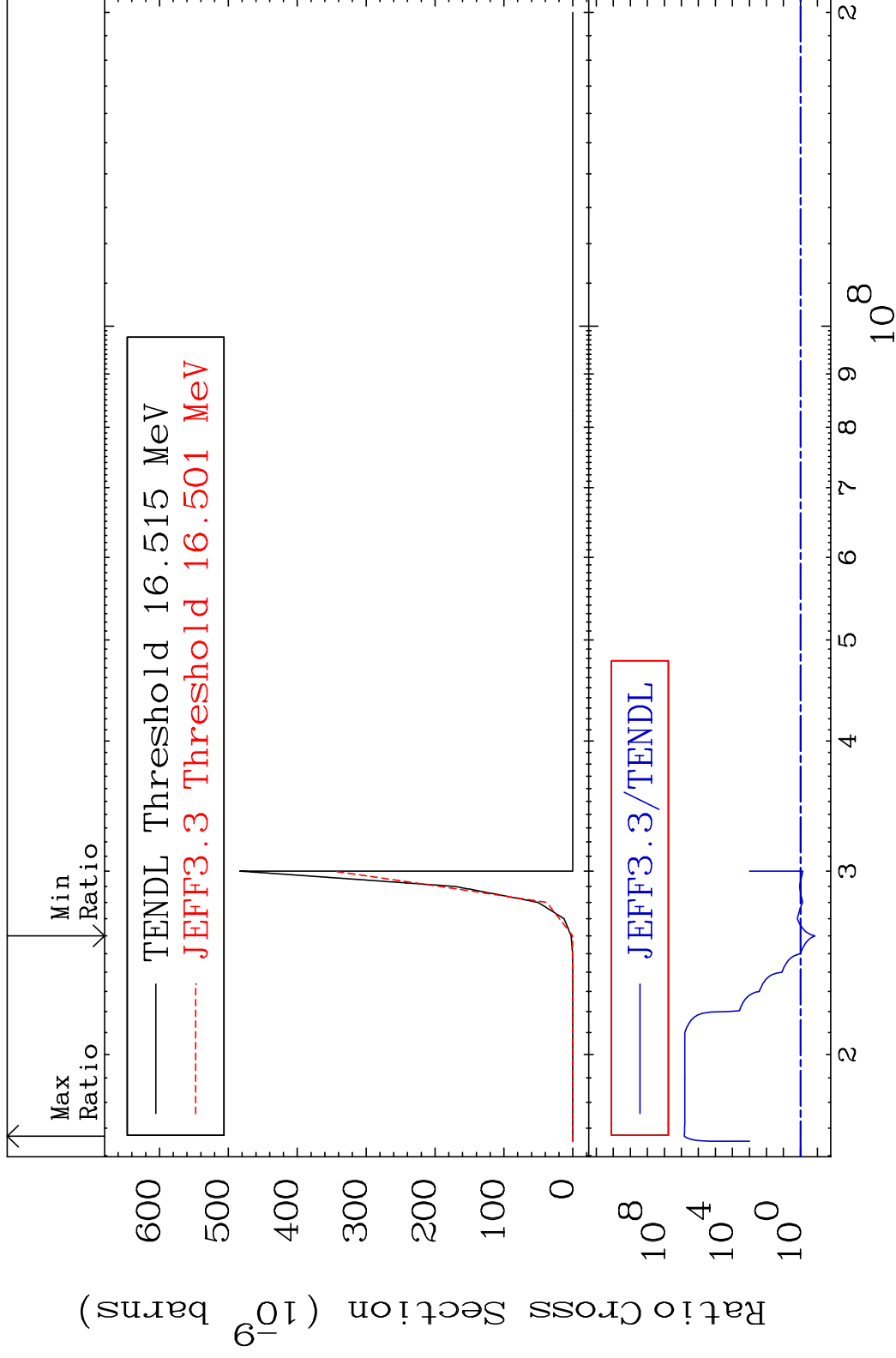
MAT 5331

(n,2n) p

53-I -129

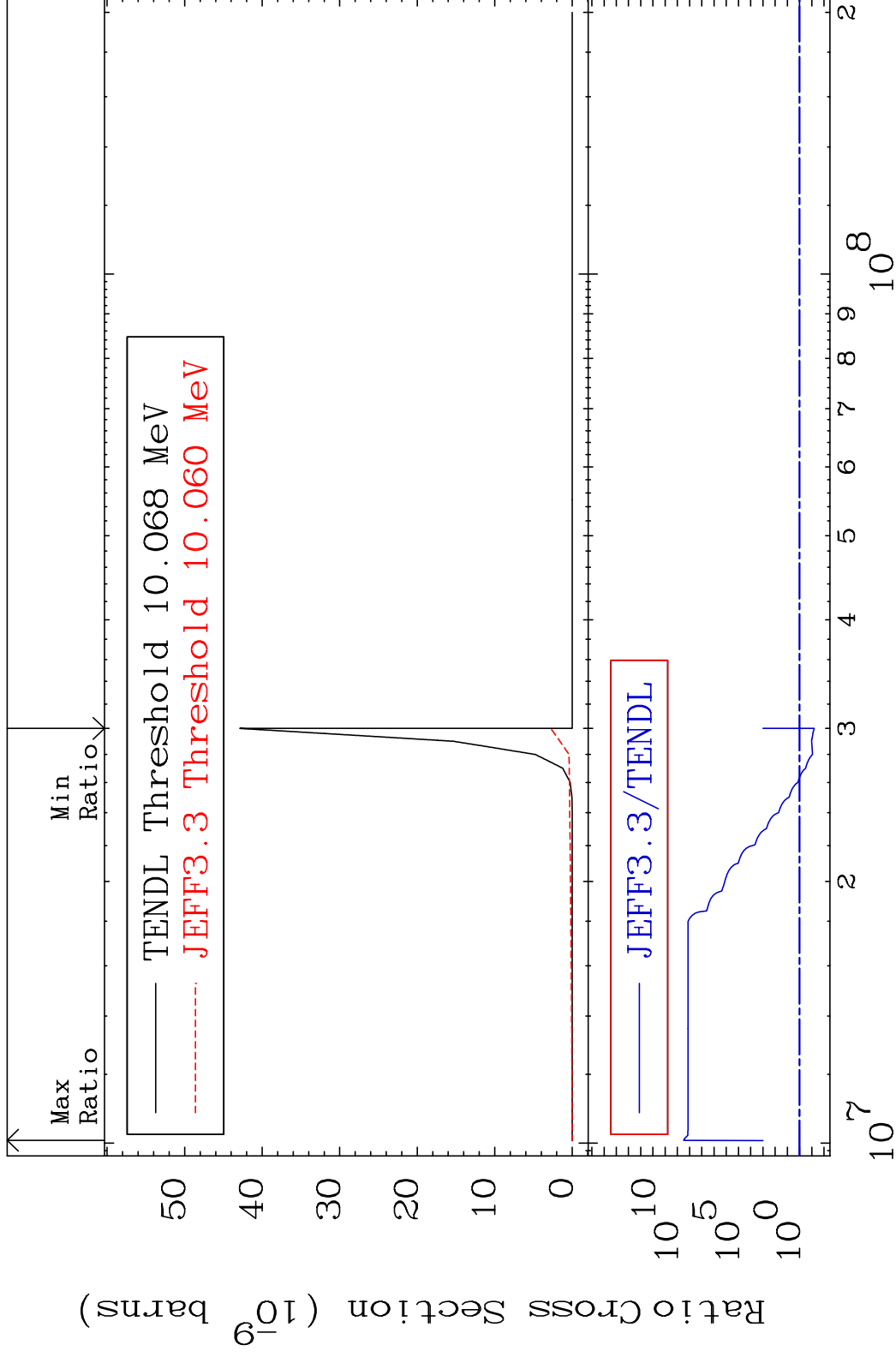
Cross Section

-85.73 To 9999. %



MAT 5331

(n,n') p α 53-I -129
Cross Section -93.53 To 9999. %

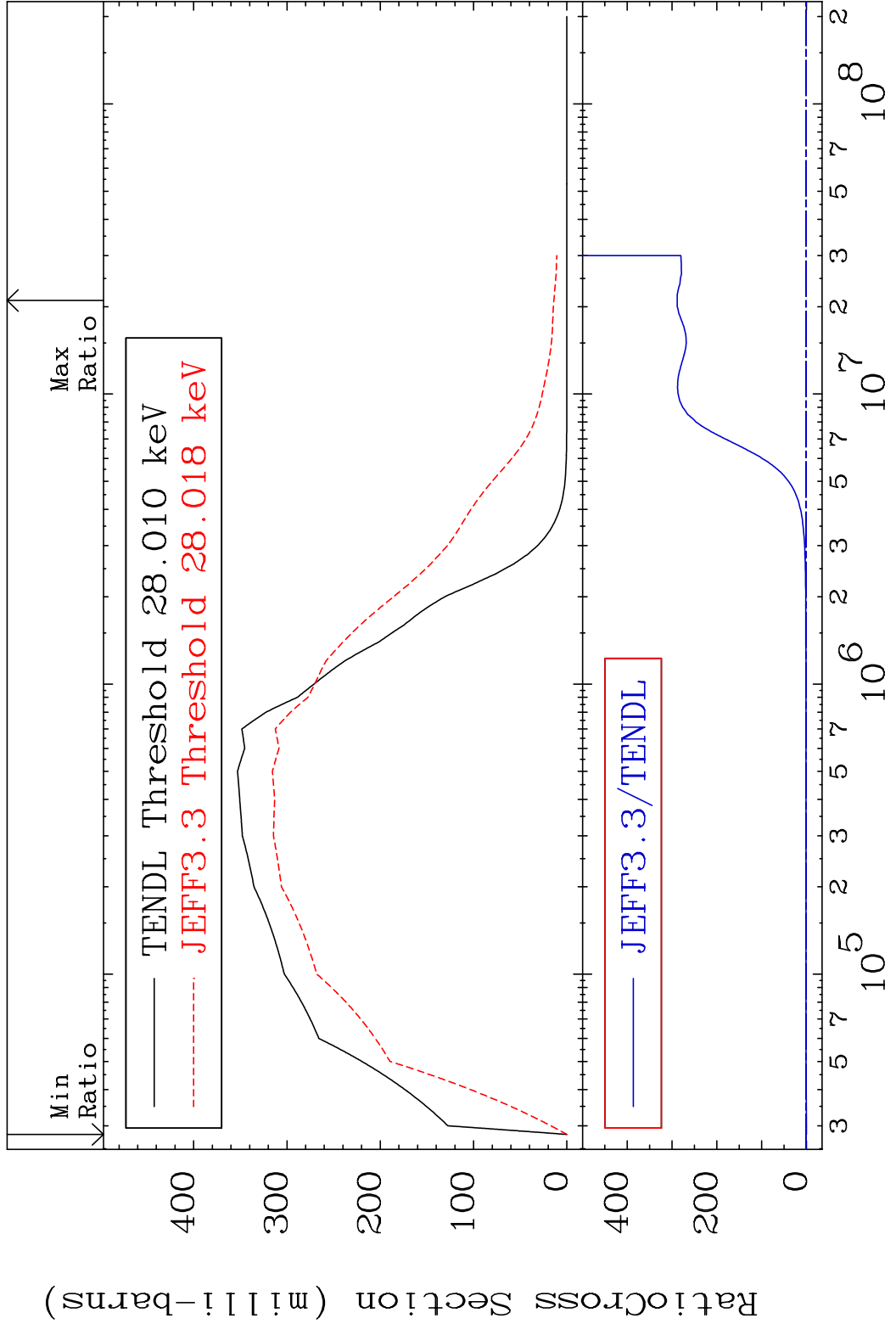


18

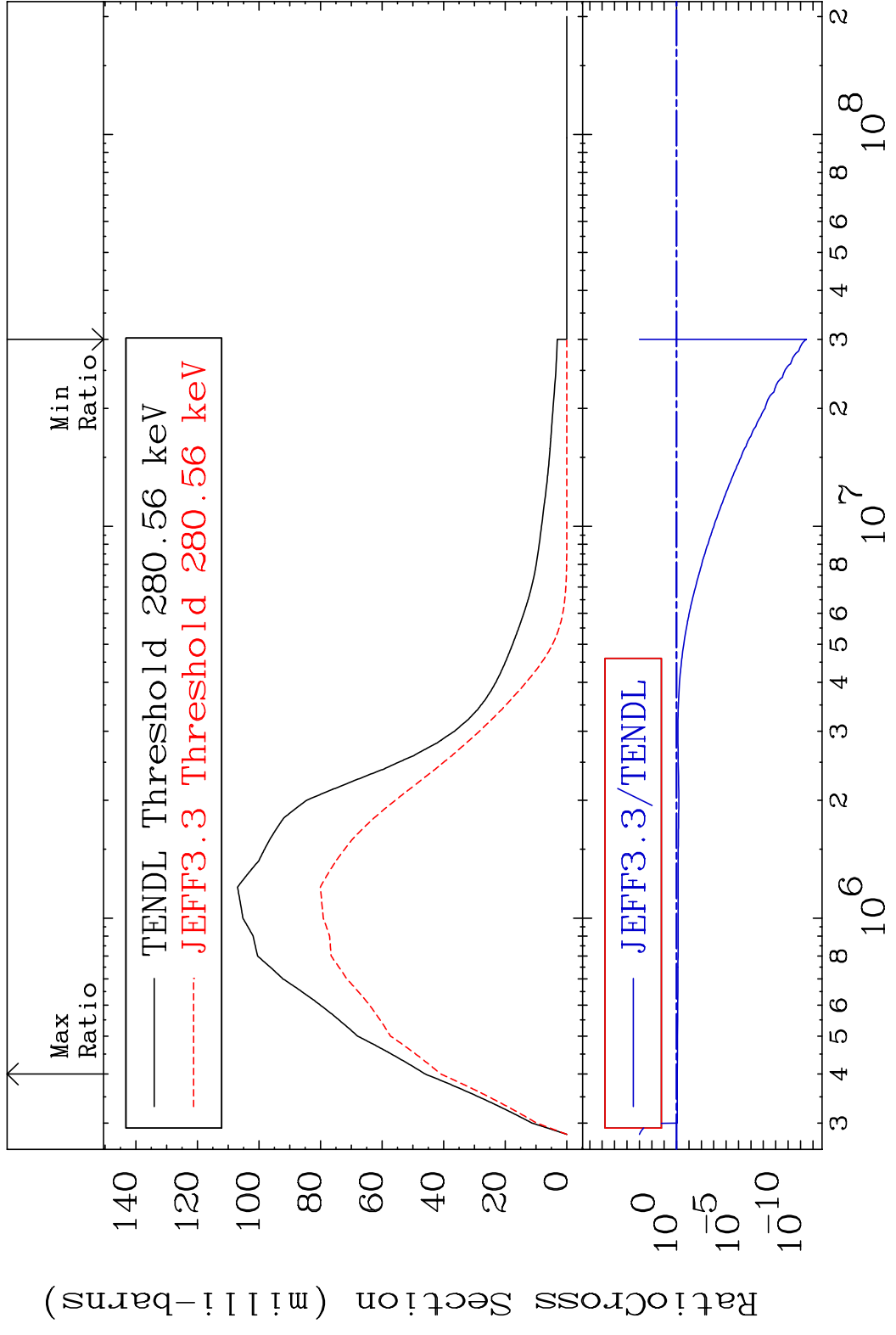
Incident Energy (eV)

53-I -129

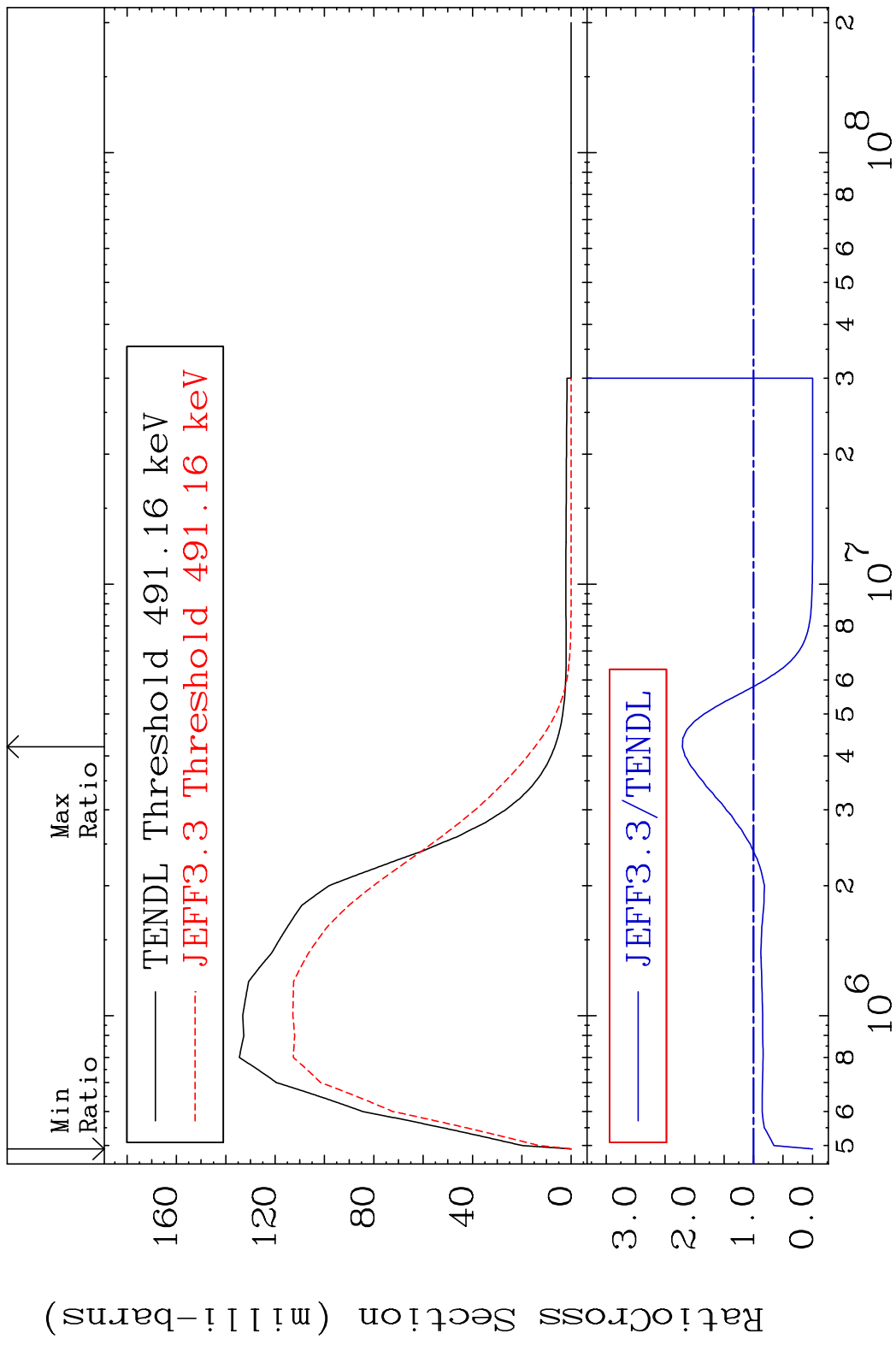
MAT 5331 MT= 51 (n, n') Level 53-I -129
 Cross Section -100.0 To 9999. %



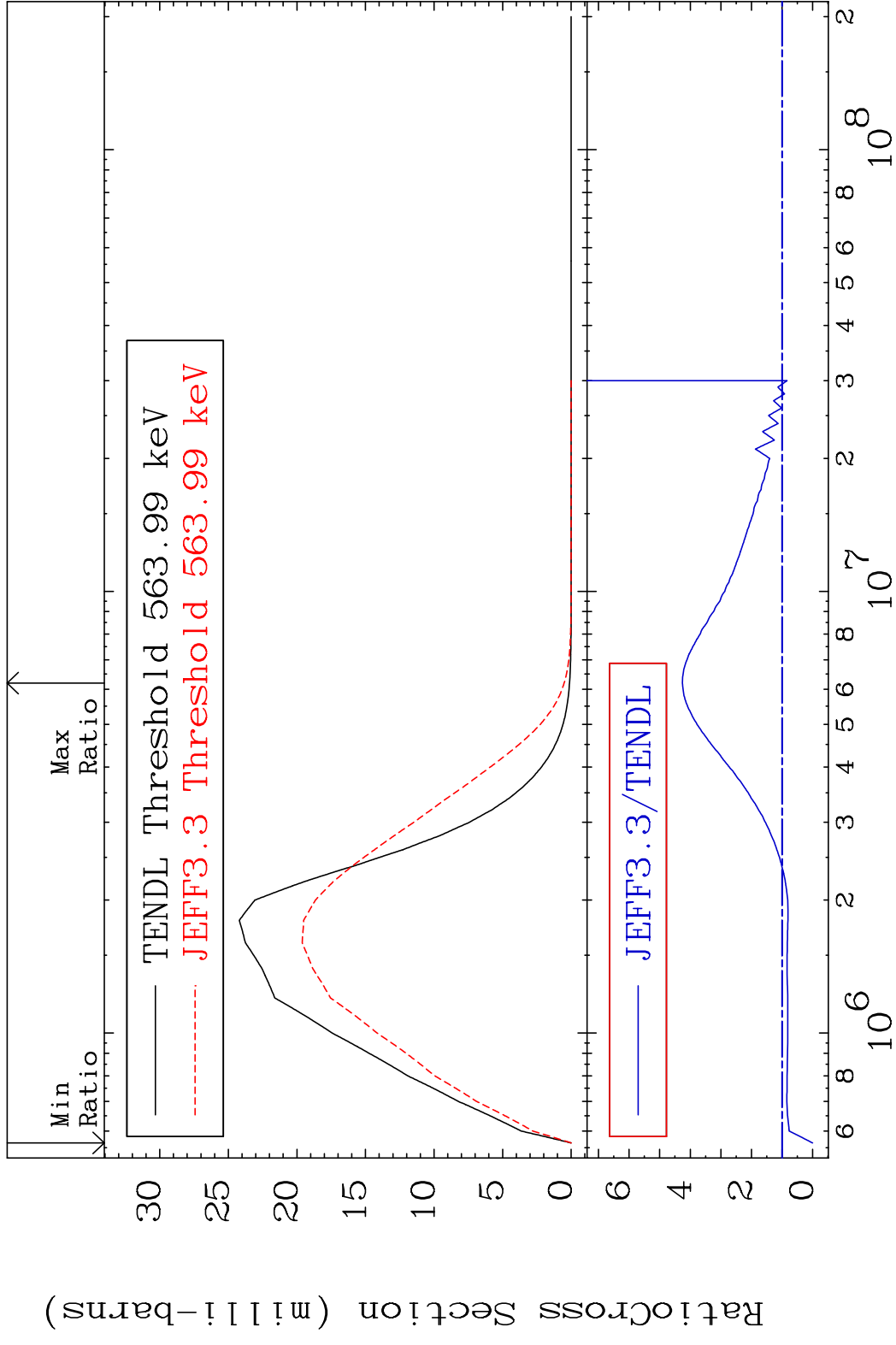
MAT 5331 MT= 52 (n,n') Level 53-I -129
 Cross Section -100.0 To -11.00%



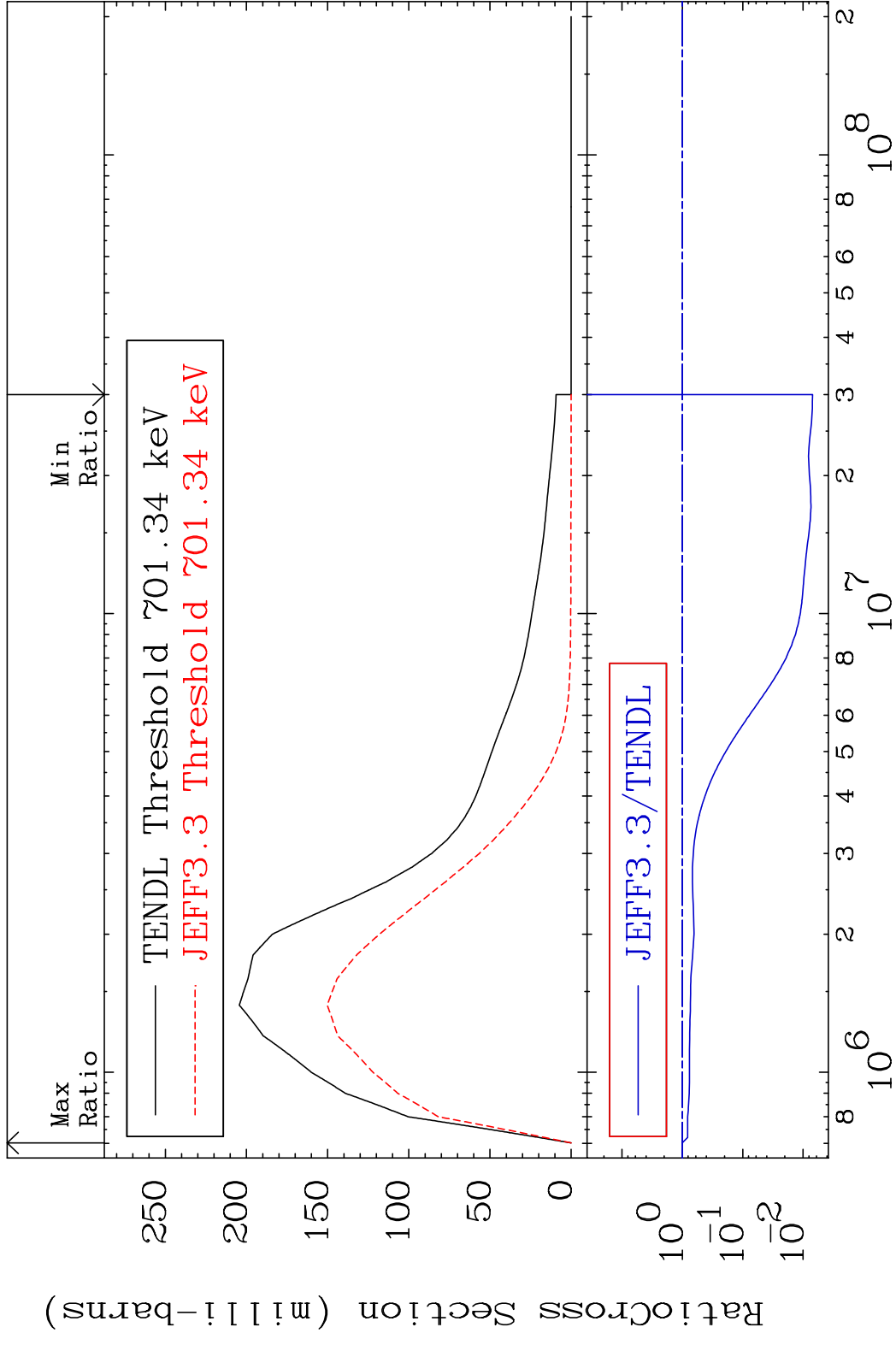
MAT 5331 MT= 53 (n,n') Level 53-I -129
 Cross Section -100.0 To 120.7 %



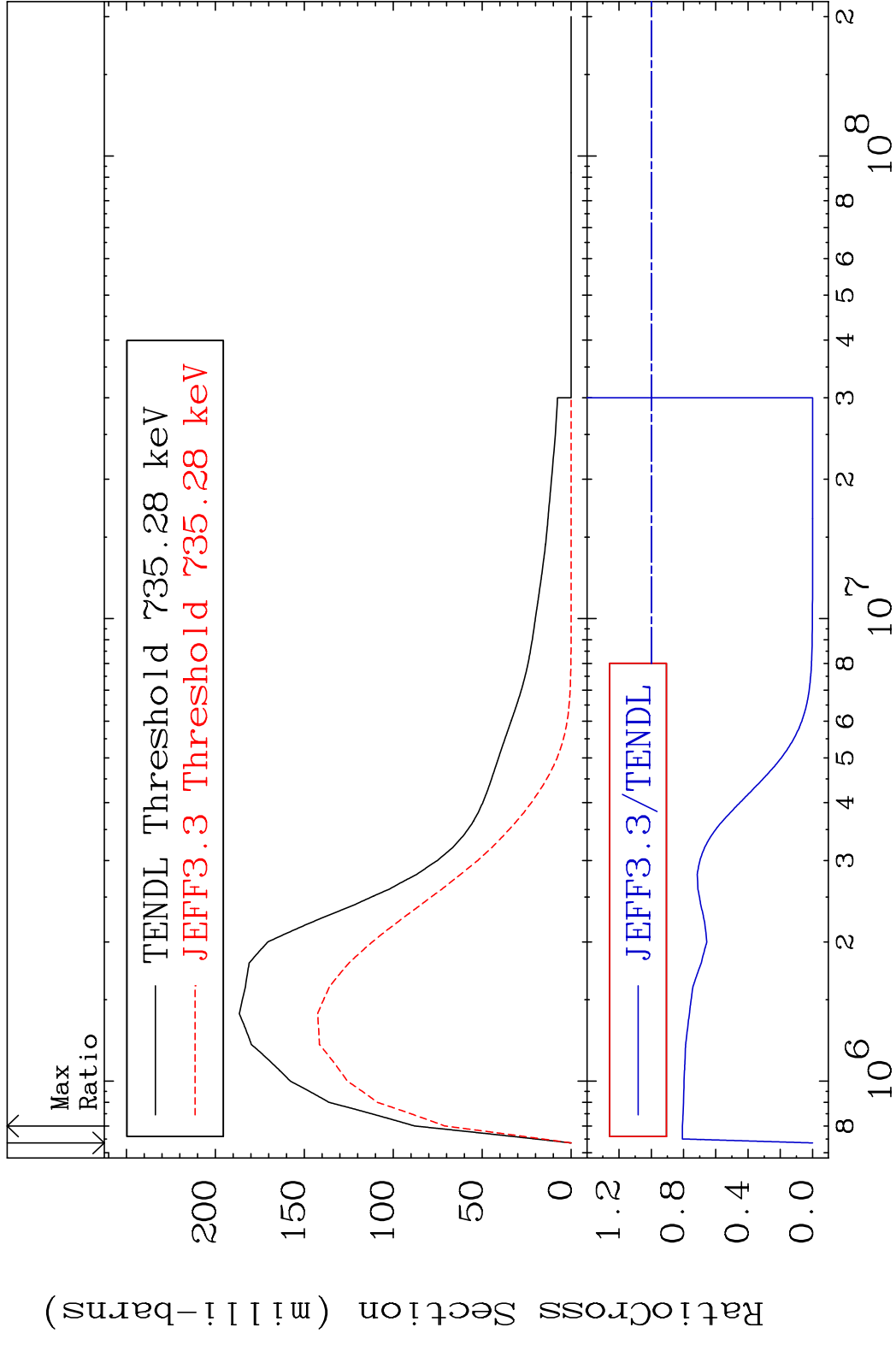
MAT 5331 MT= 54 (n,n') Level 53-I -129
 Cross Section -100.0 To 325.9 %



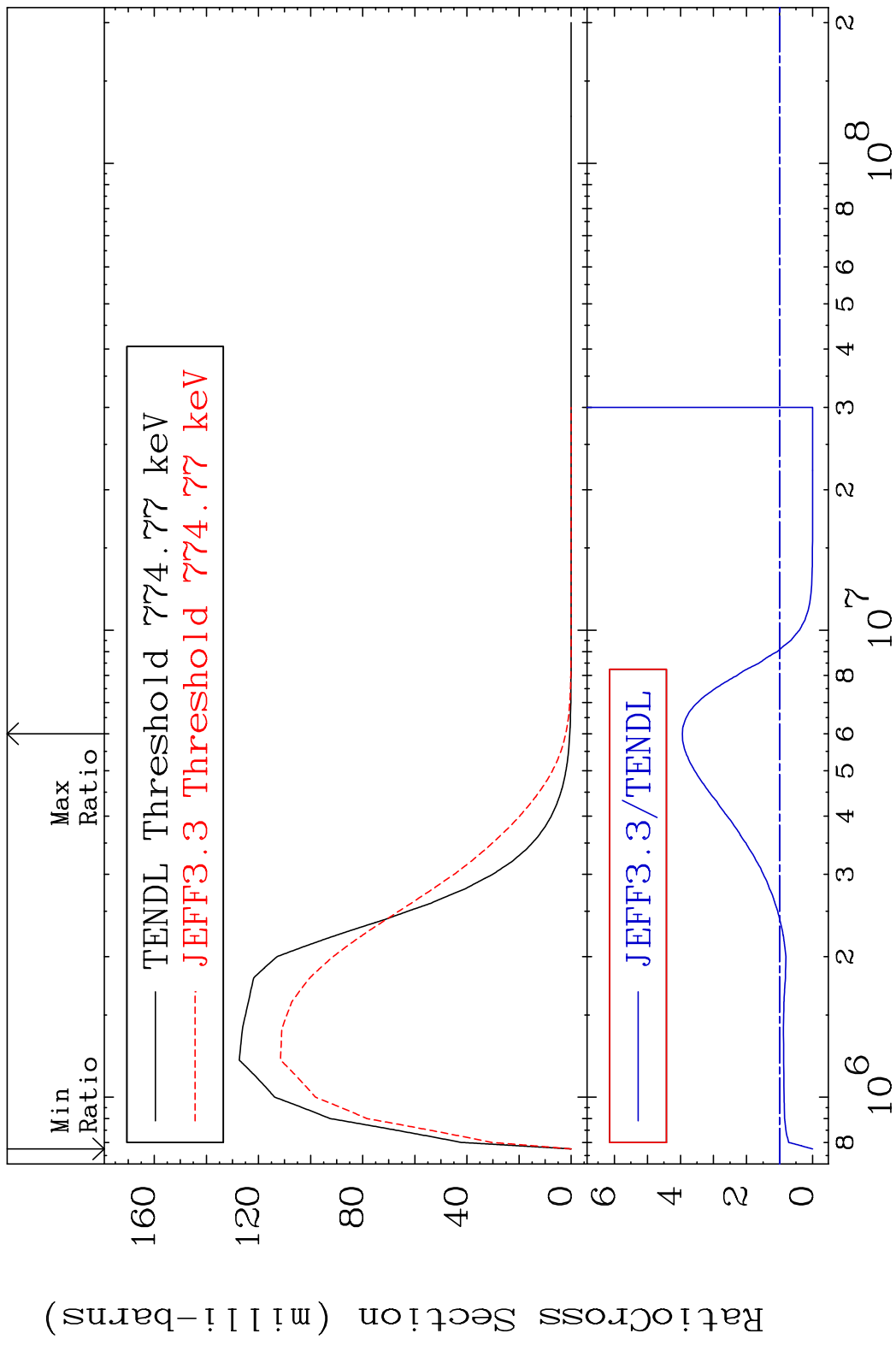
MAT 5331 MT= 55 (n,n') Level 53-I -129
 Cross Section -99.30 To 0.000 %



MAT 5331 MT= 56 (n,n') Level 53-I -129
 Cross Section -100.0 To -19.26%



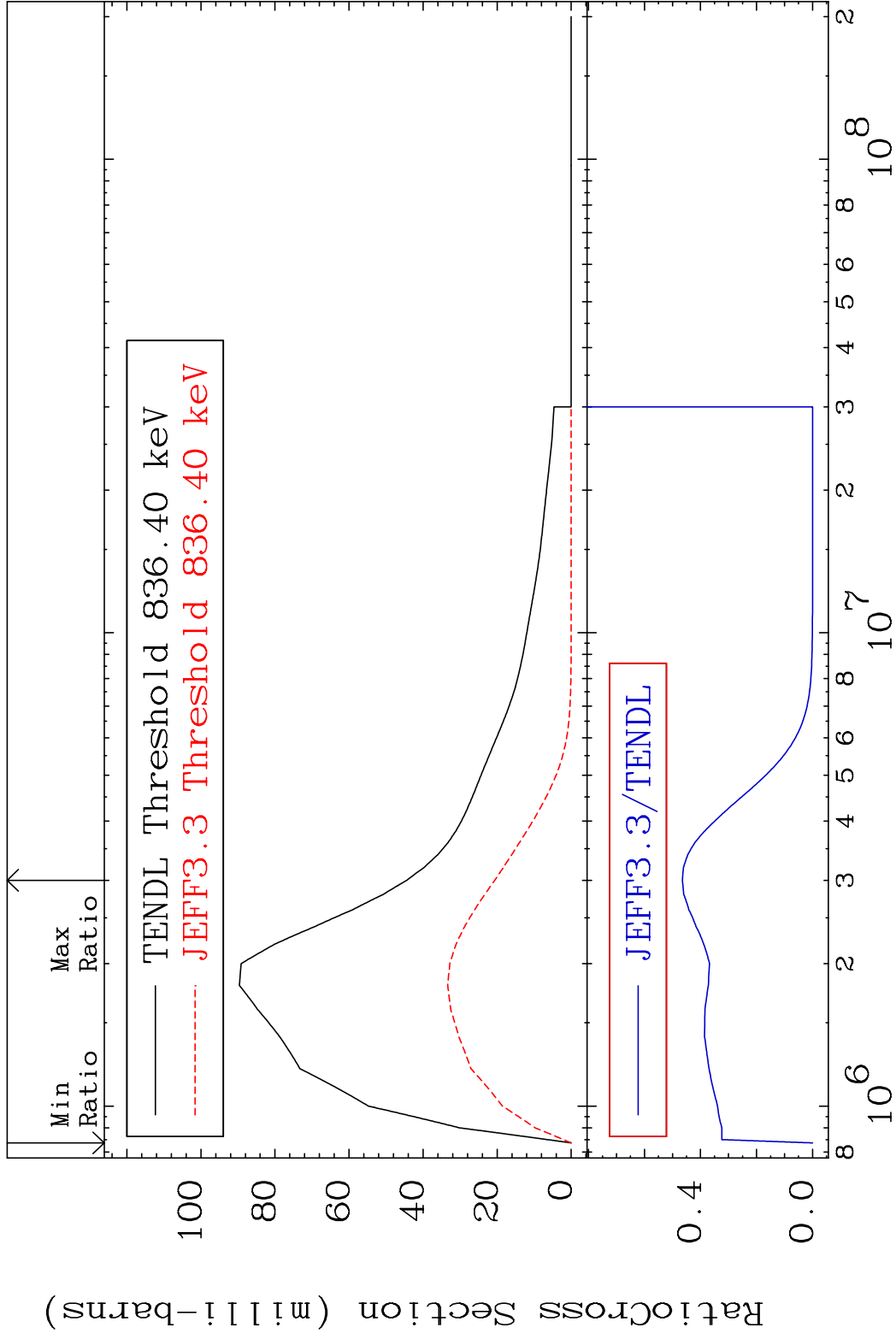
MAT 5331 MT= 57 (n,n') Level 53-I -129
 Cross Section -100.0 To 294.3 %



MAT 5331

MT= 58 (n,n') Level 53-I -129

Cross Section -100.0 To -53.52%

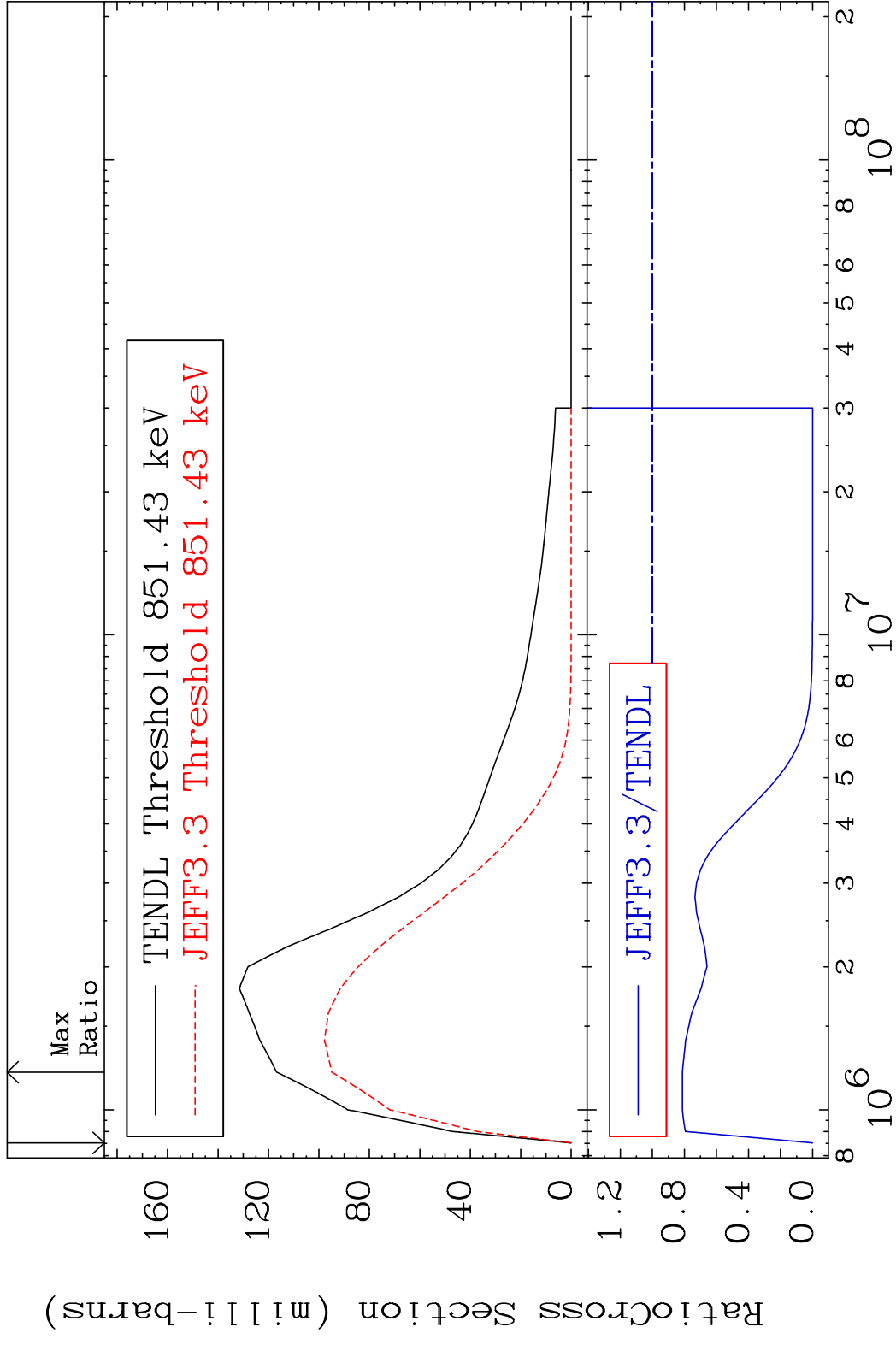


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Incident Energy (eV)

53-I -129

MAT 5331 MT= 59 (n,n') Level 53-I -129
 Cross Section -100.0 To -18.70%

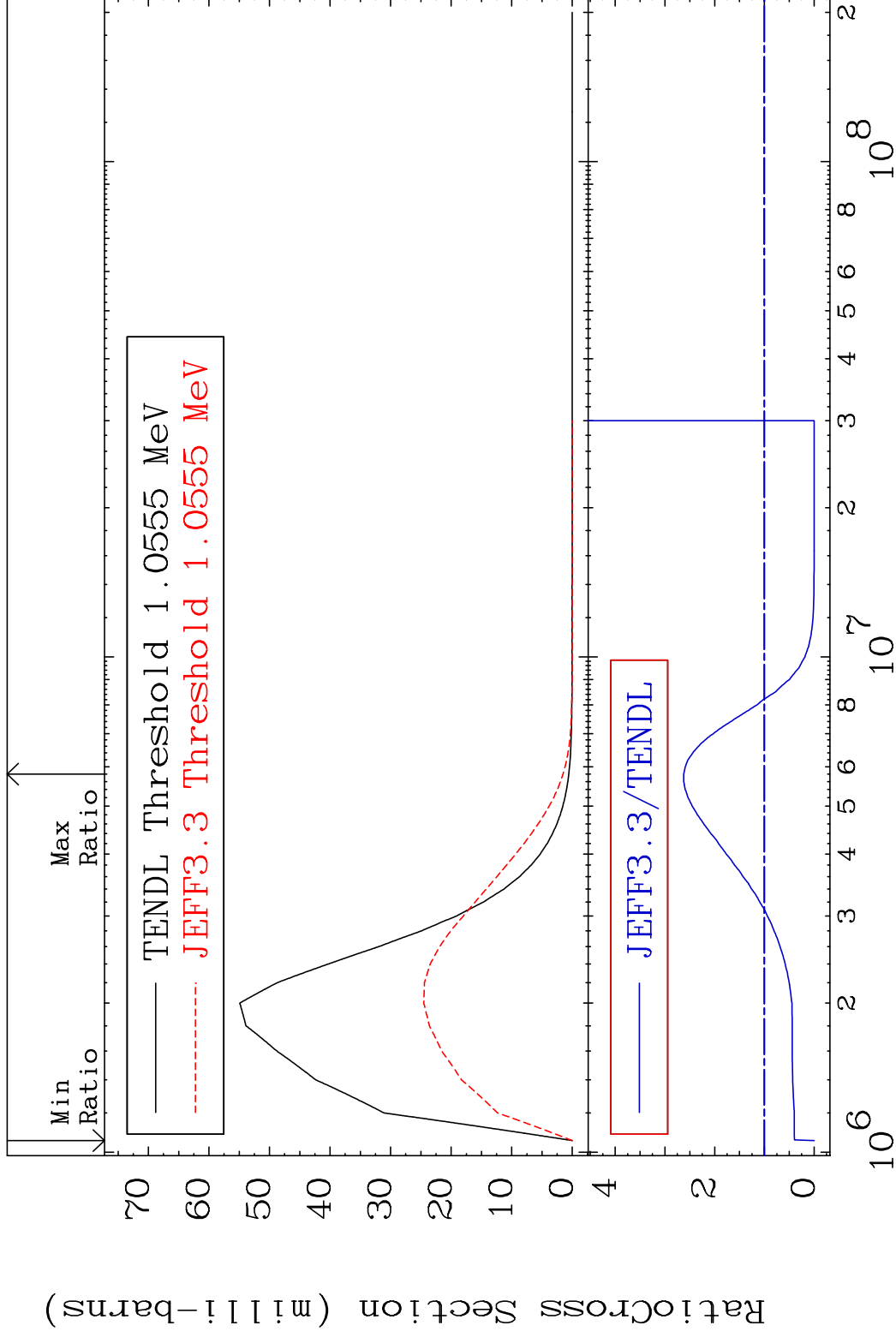


MAT 5331

MT= 60 (n, n') Level

53-I -129

Cross Section -100.0 To 162.3 %

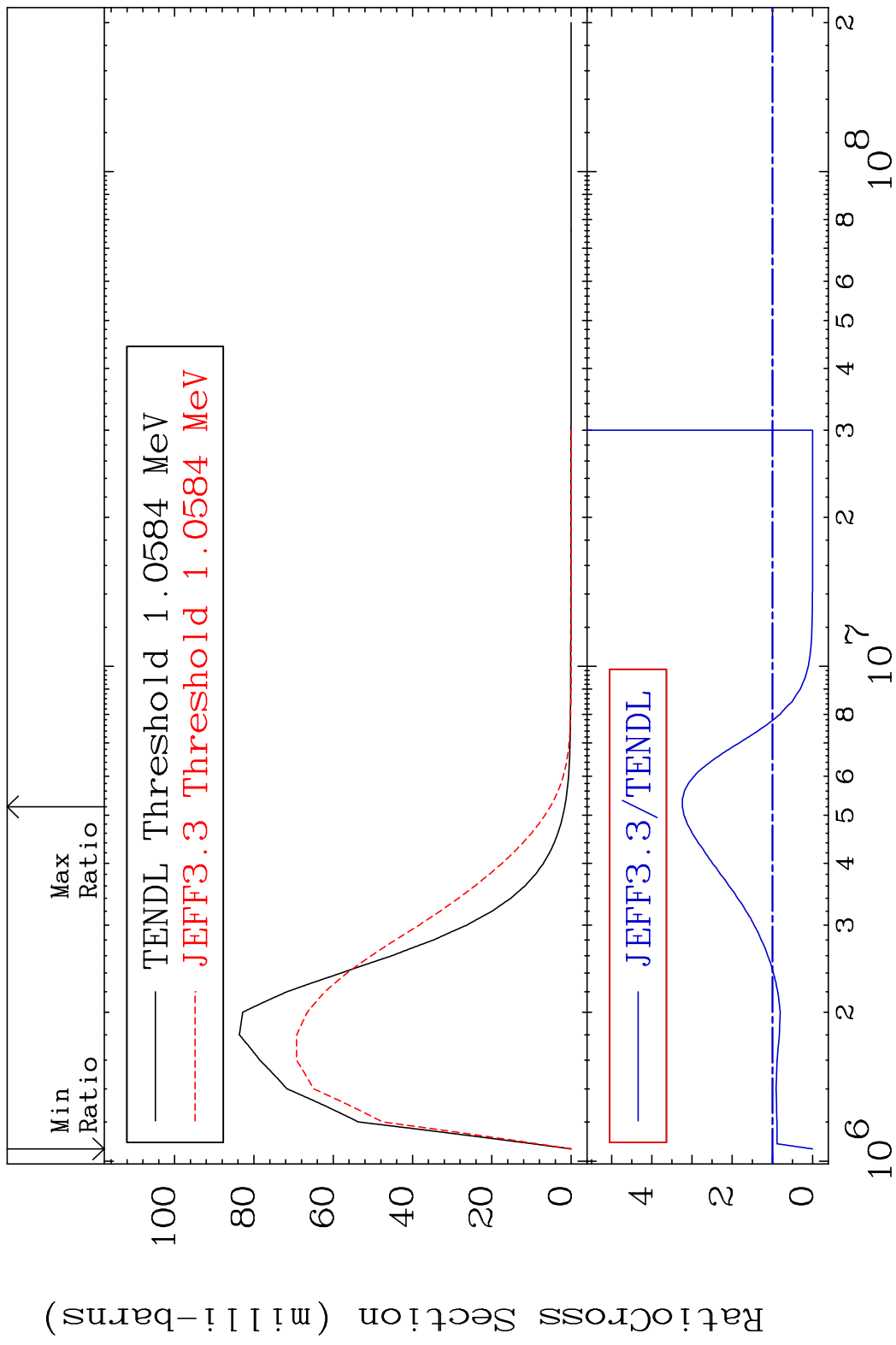


28

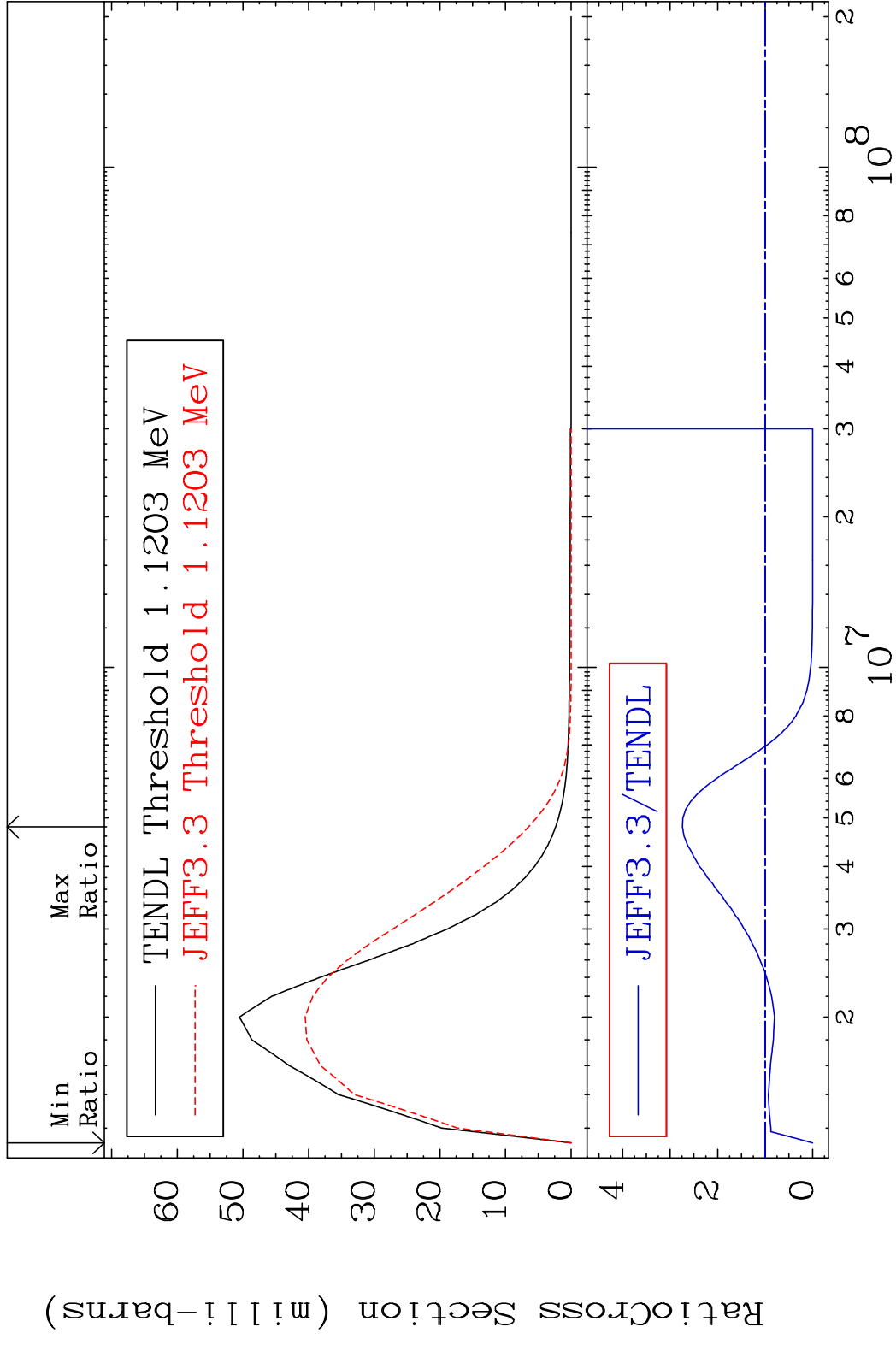
Incident Energy (eV)

53-I -129

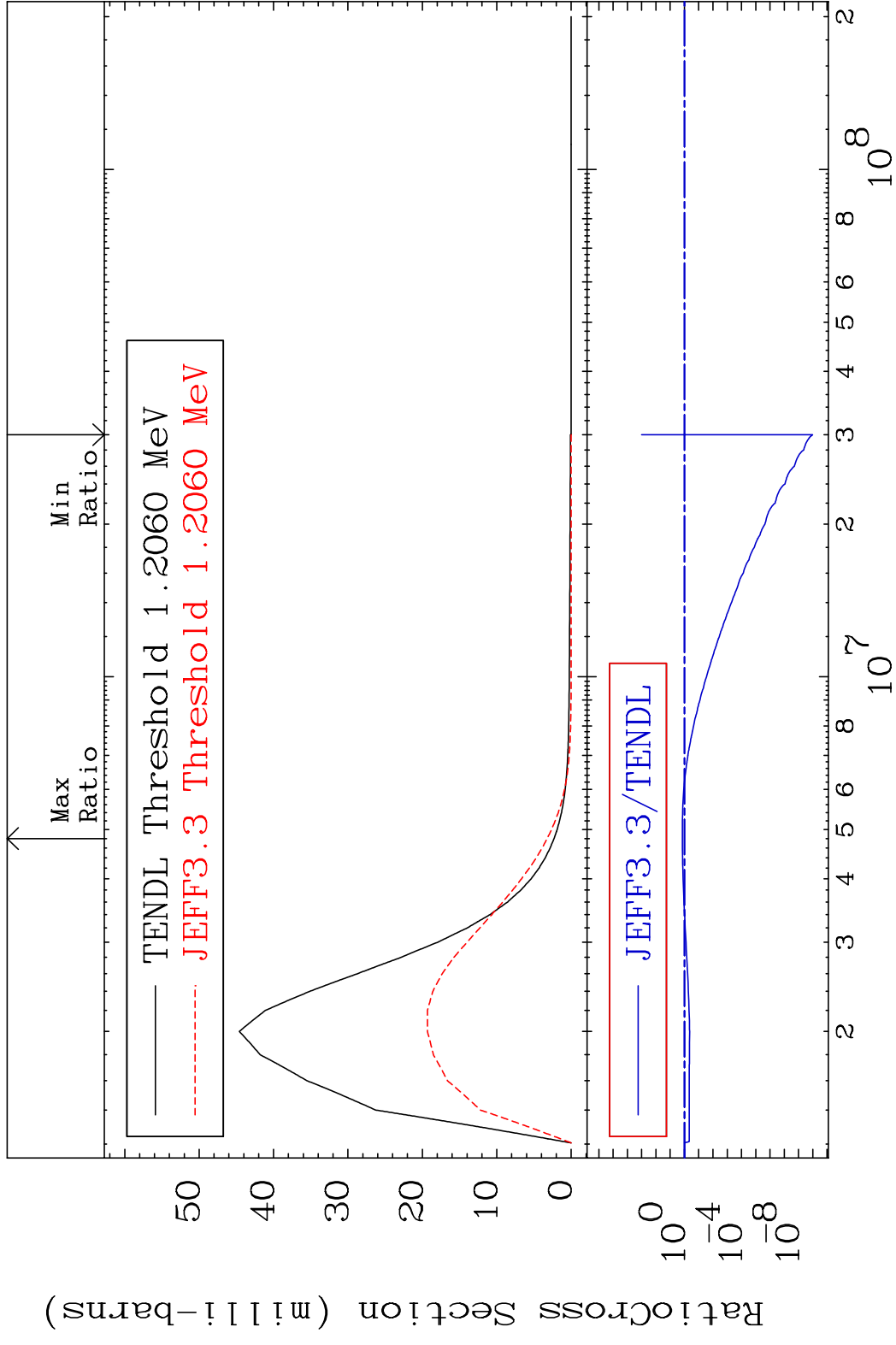
MAT 5331 MT= 61 (n,n') Level 53-I -129
 Cross Section -100.0 To 224.1 %



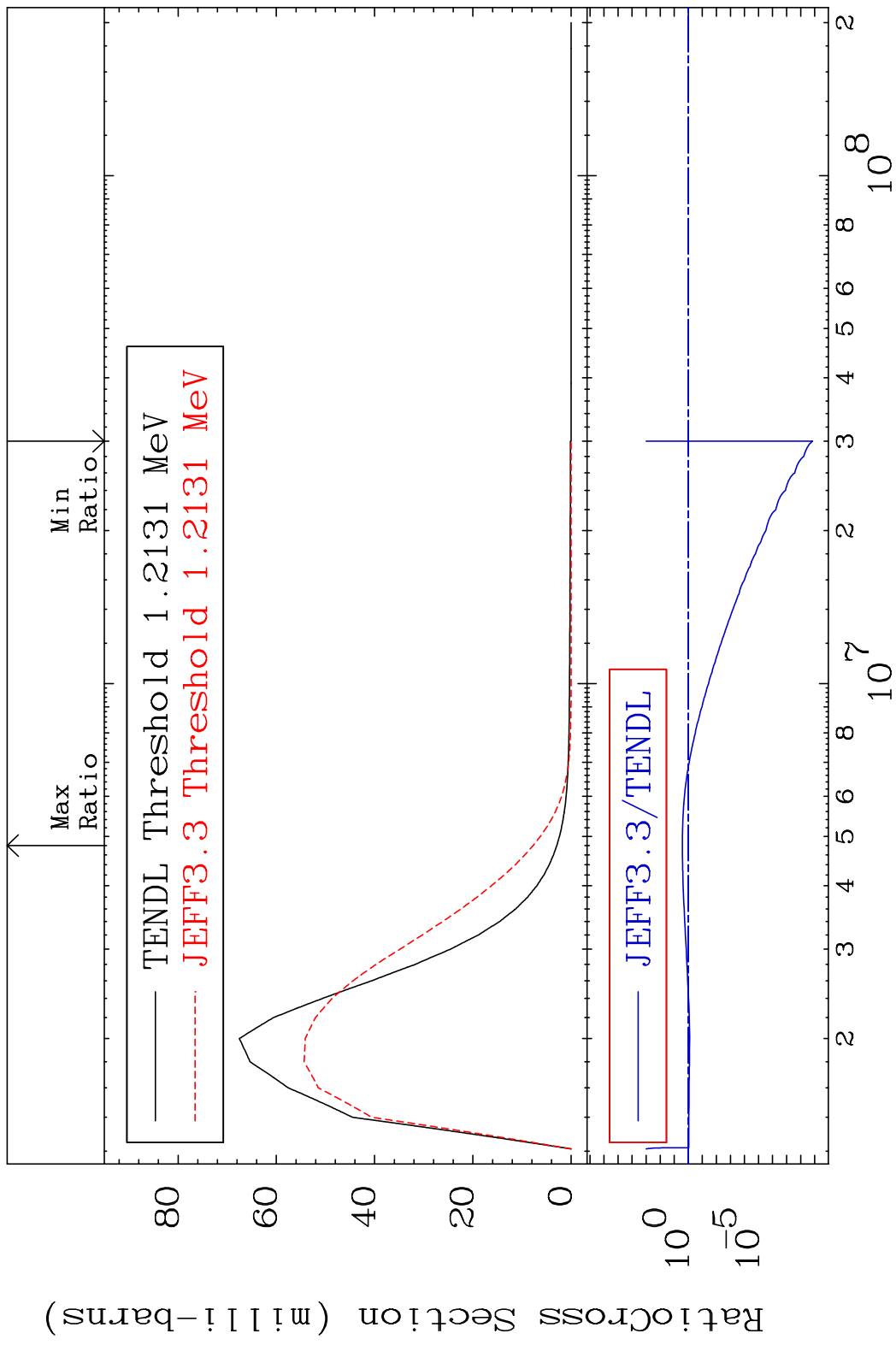
MAT 5331 MT= 62 (n, n') Level 53-I -129
 Cross Section -100.0 To 174.3 %



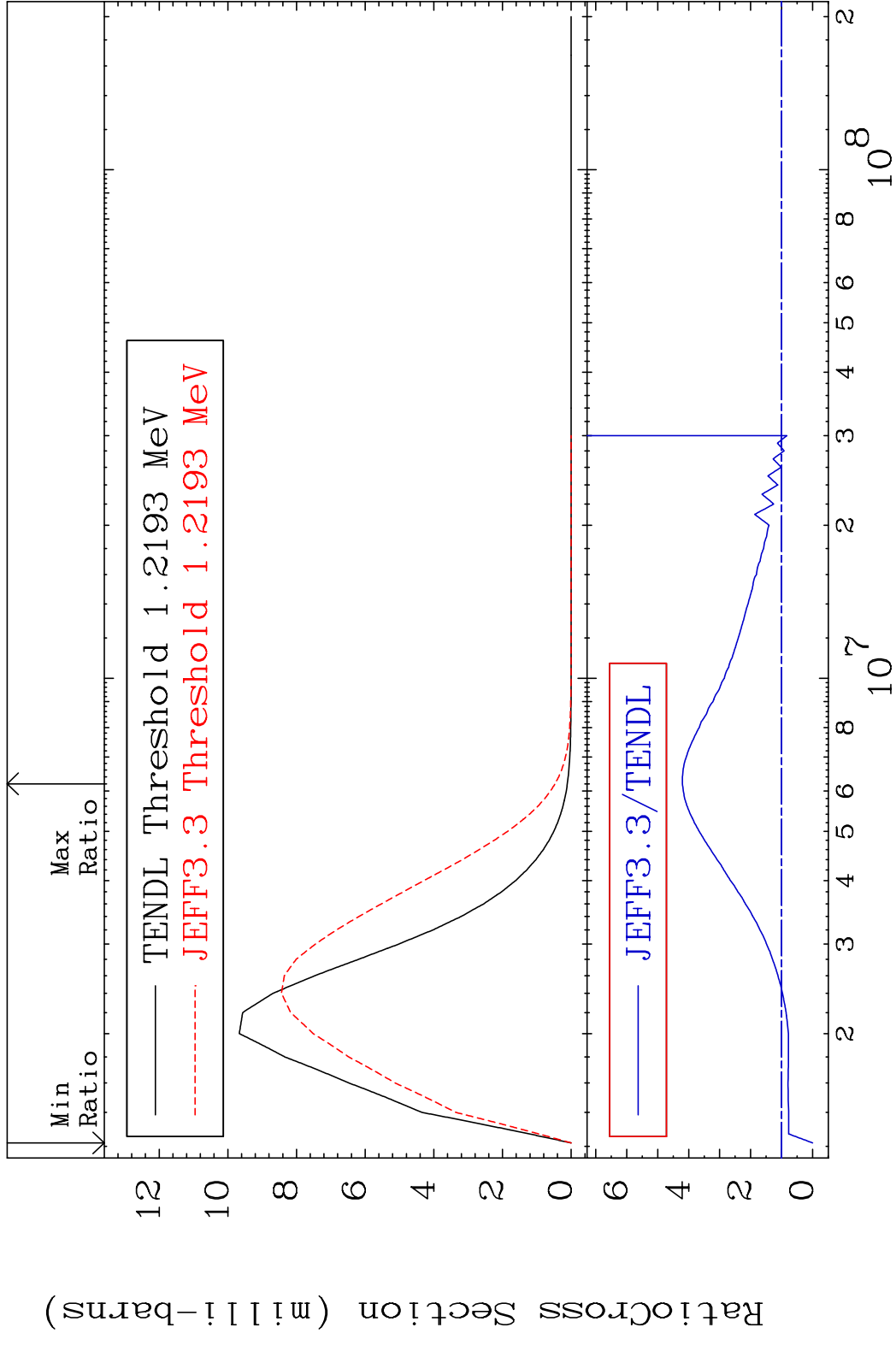
MAT 5331 MT= 63 (n, n') Level 53-I -129
 Cross Section -100.0 To 39.74 %



MAT 5331 MT= 64 (n, n') Level 53-I -129
 Cross Section -100.0 To 164.5 %



MAT 5331 MT= 65 (n,n') Level 53-I -129
 Cross Section -100.0 To 320.5 %

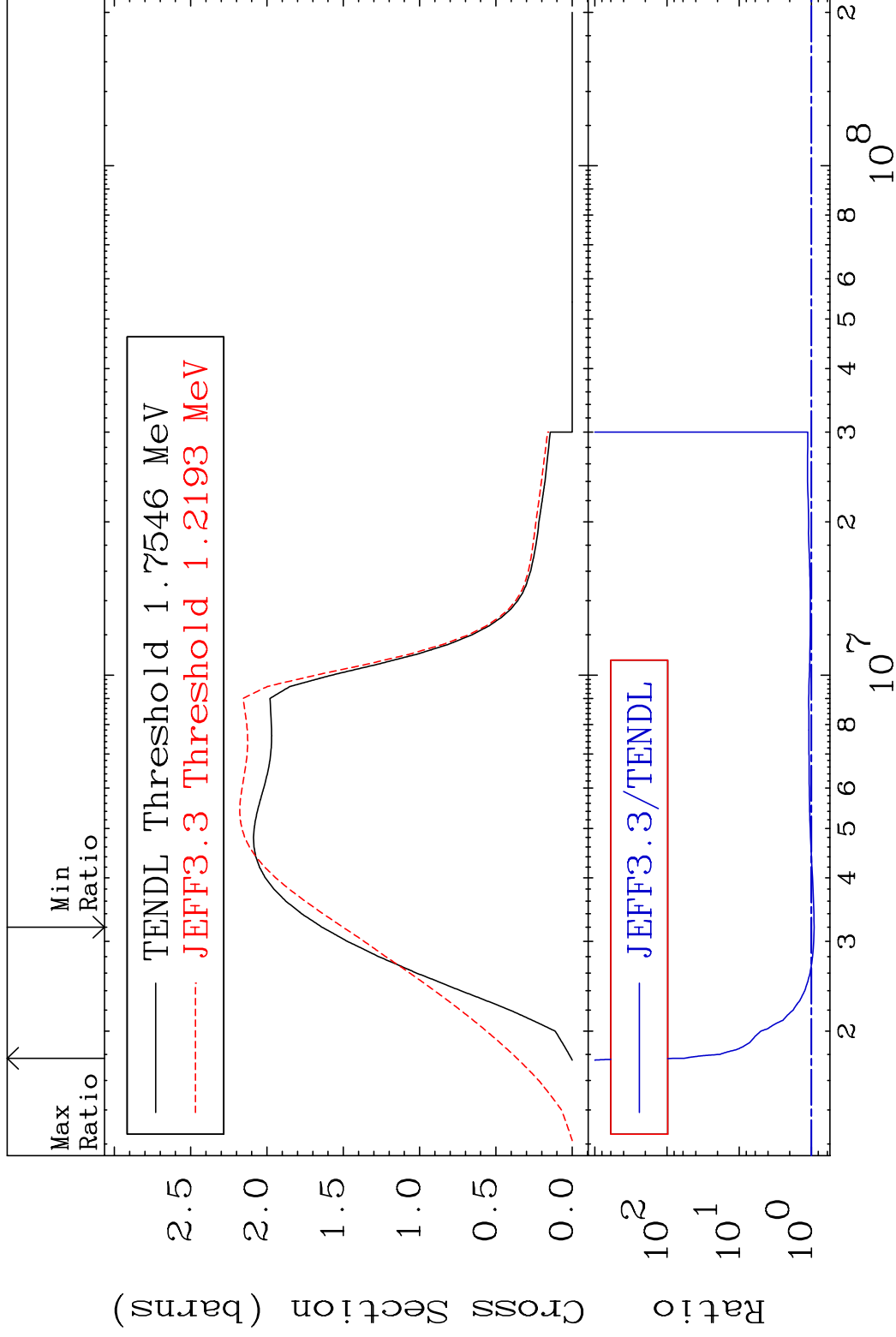


MAT 5331

(n, n') Continuum

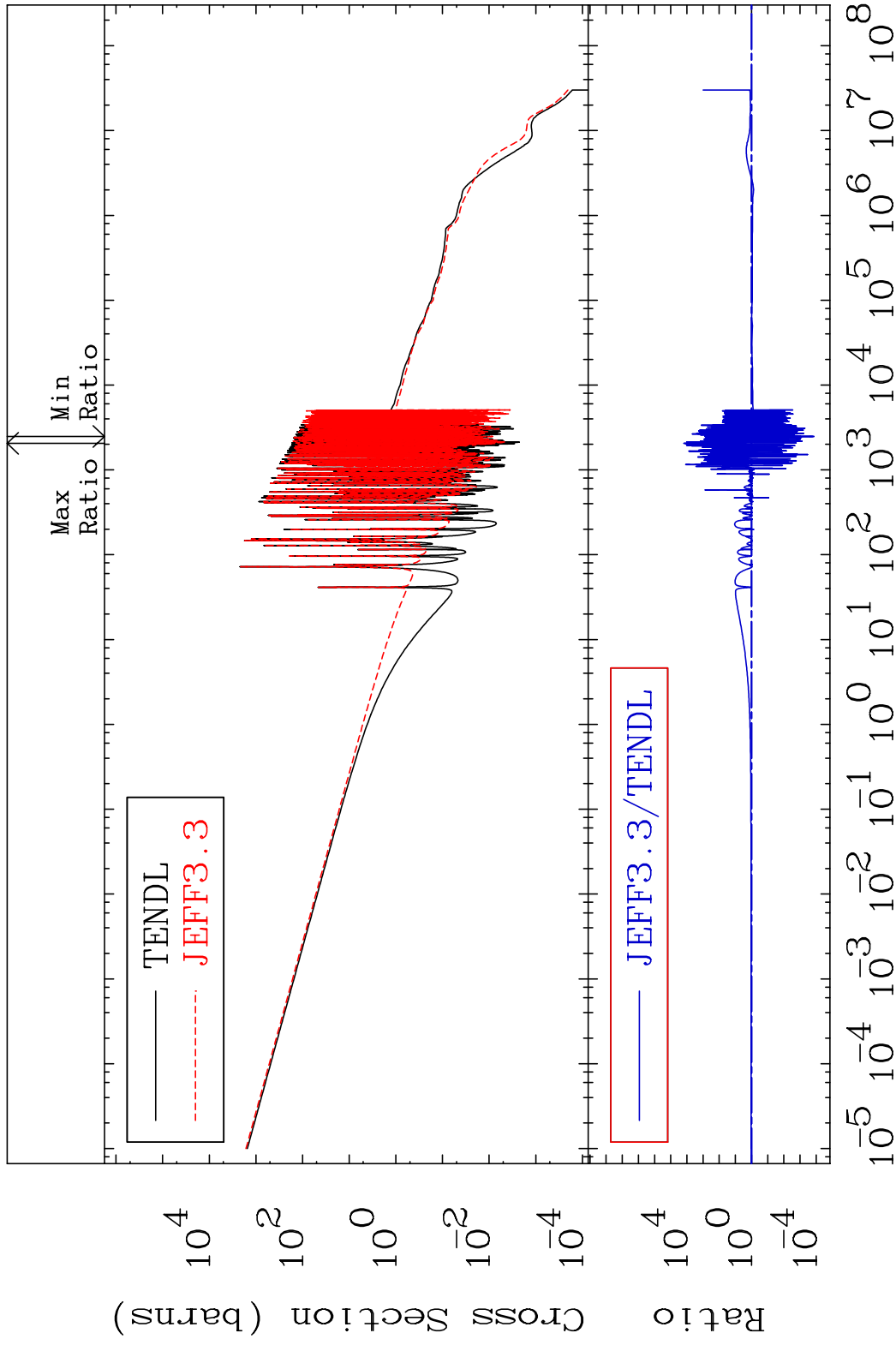
53-I -129

Cross Section -8.342 To 5781. %



MAT 5331

(n, γ)
Cross Section -99.99 To 9999. %
53-I -129



35

Incident Energy (eV)

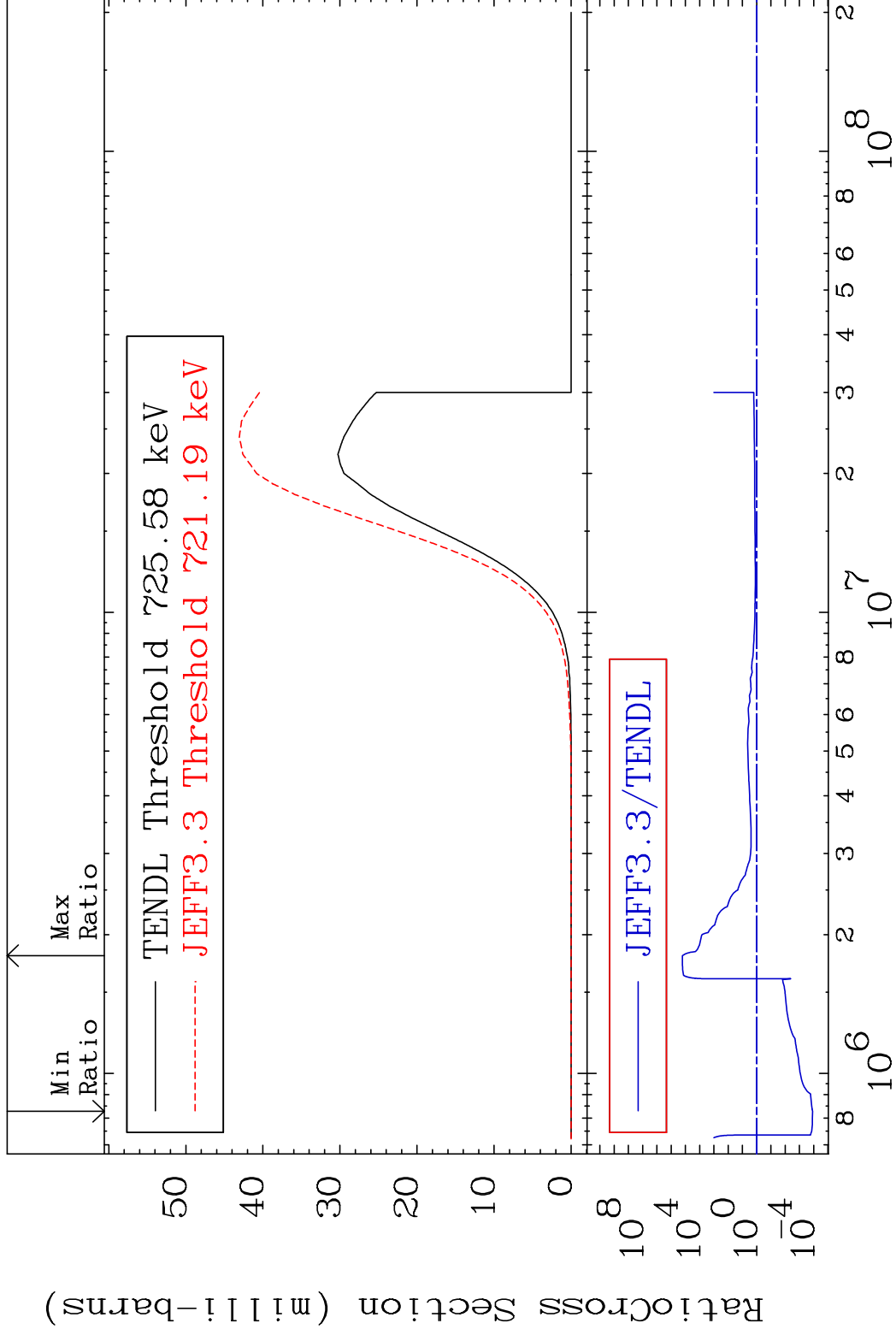
53-I -129

MAT 5331

(n, p)

53-I -129

Cross Section -99.99 To 9999. %



36

Incident Energy (eV)

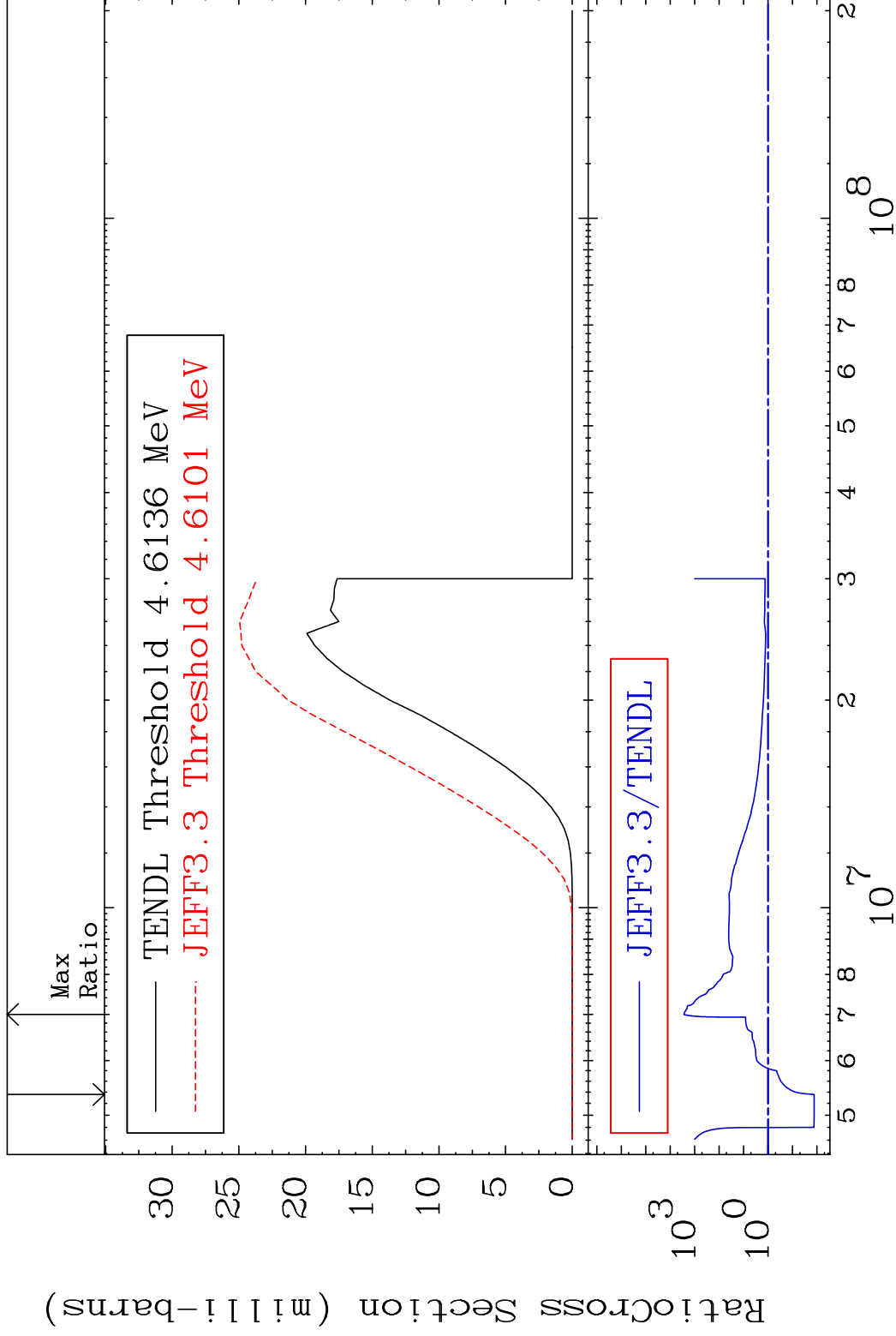
53-I -129

MAT 5331

(n,d)

53-I -129

Cross Section -98.69 To 9999. %



37

Incident Energy (eV)

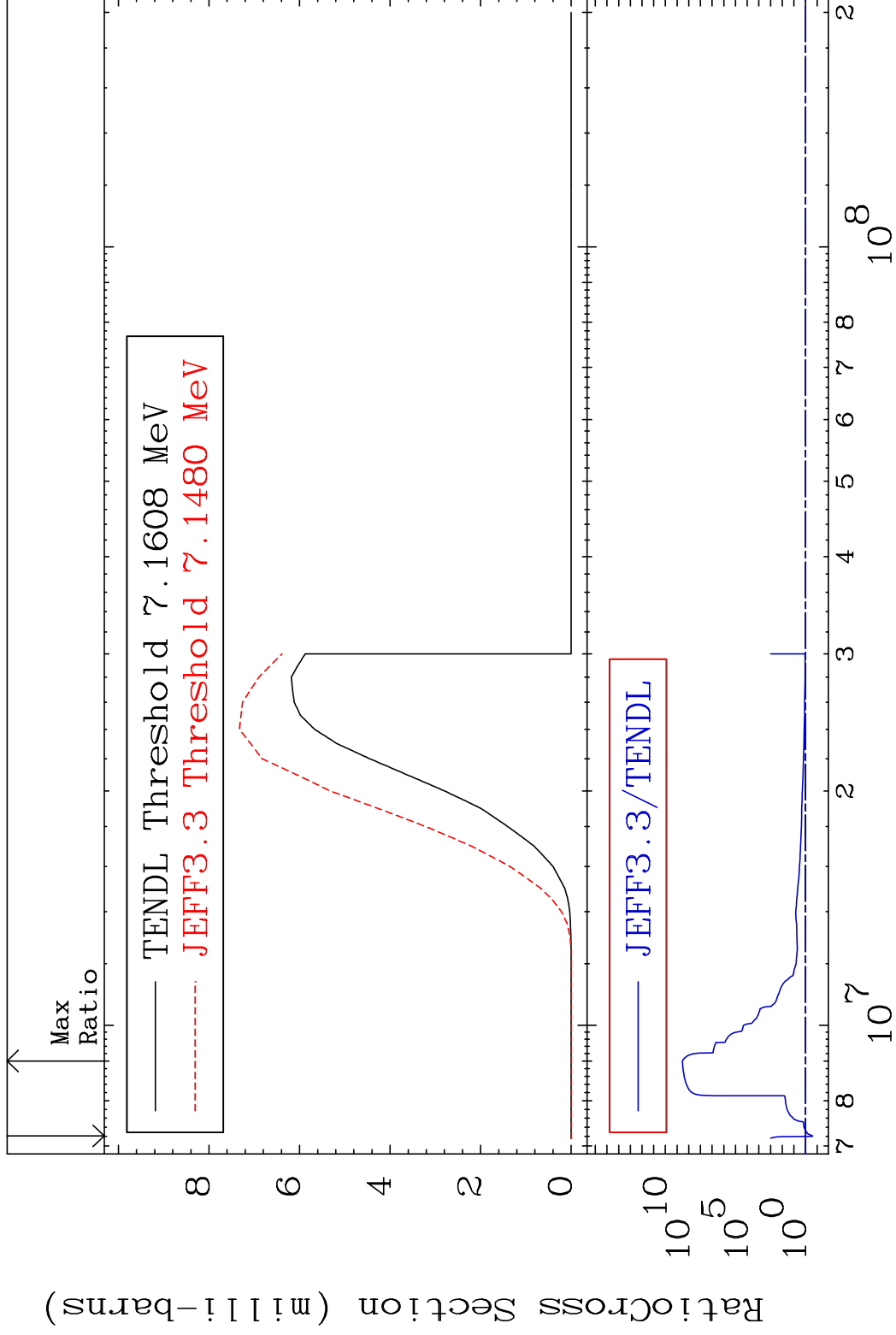
53-I -129

MAT 5331

(n, t)

53-I -129

Cross Section -74.70 To 9999. %



38

Incident Energy (eV)

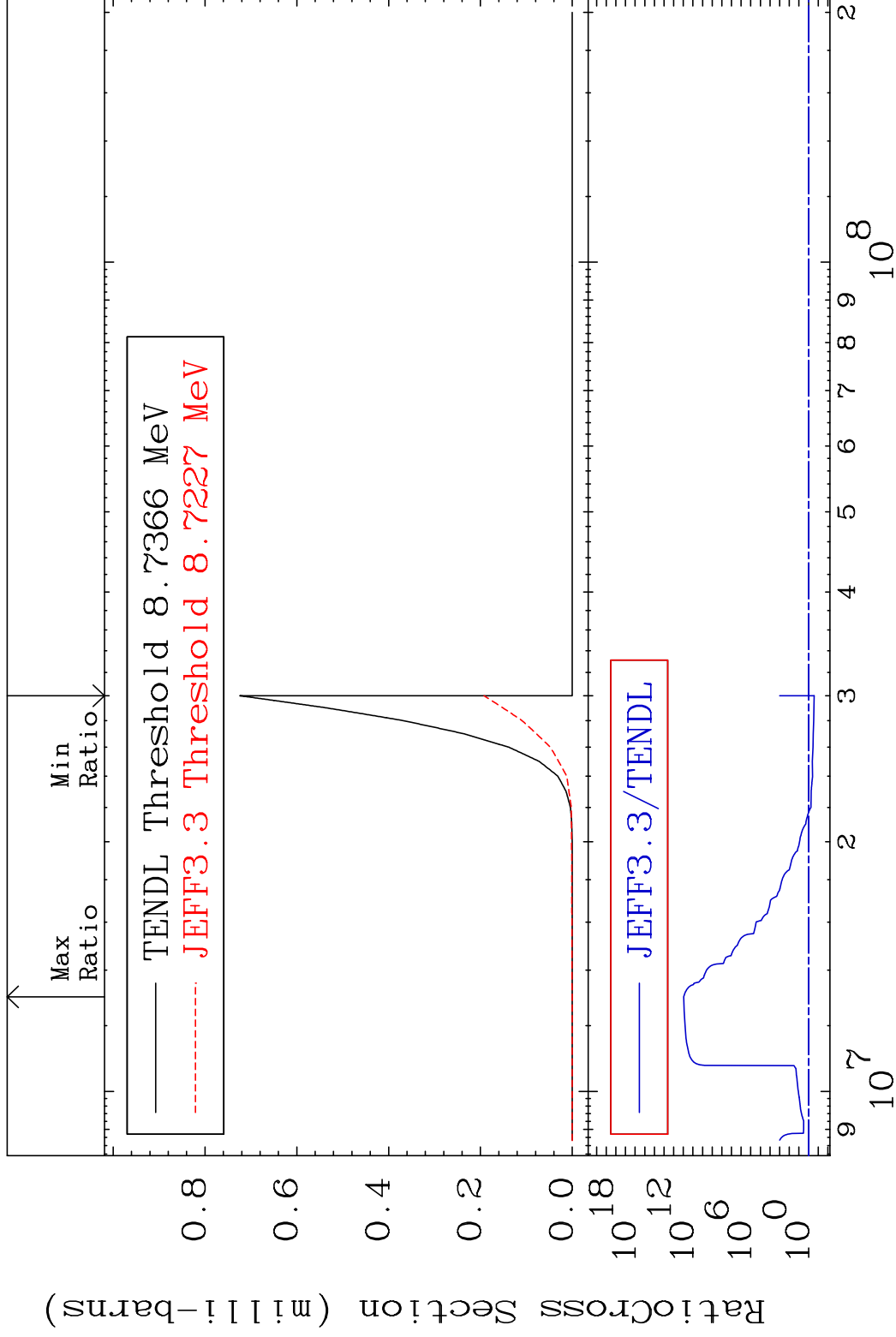
53-I -129

MAT 5331

(n, He-3)

53-I -129

Cross Section -73.42 To 9999. %



39

Incident Energy (eV)

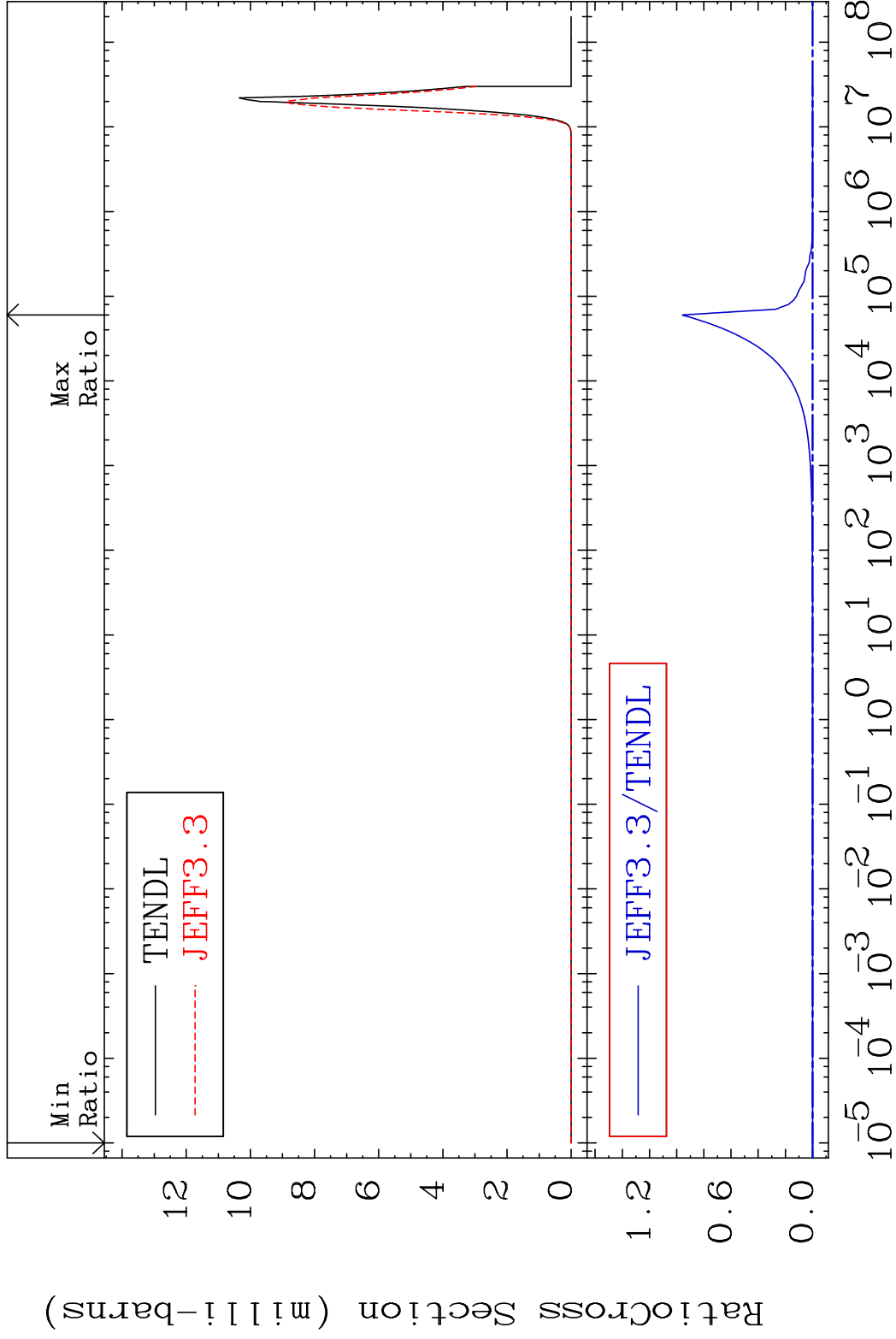
53-I -129

MAT 5331

(n, α)

53-I -129

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

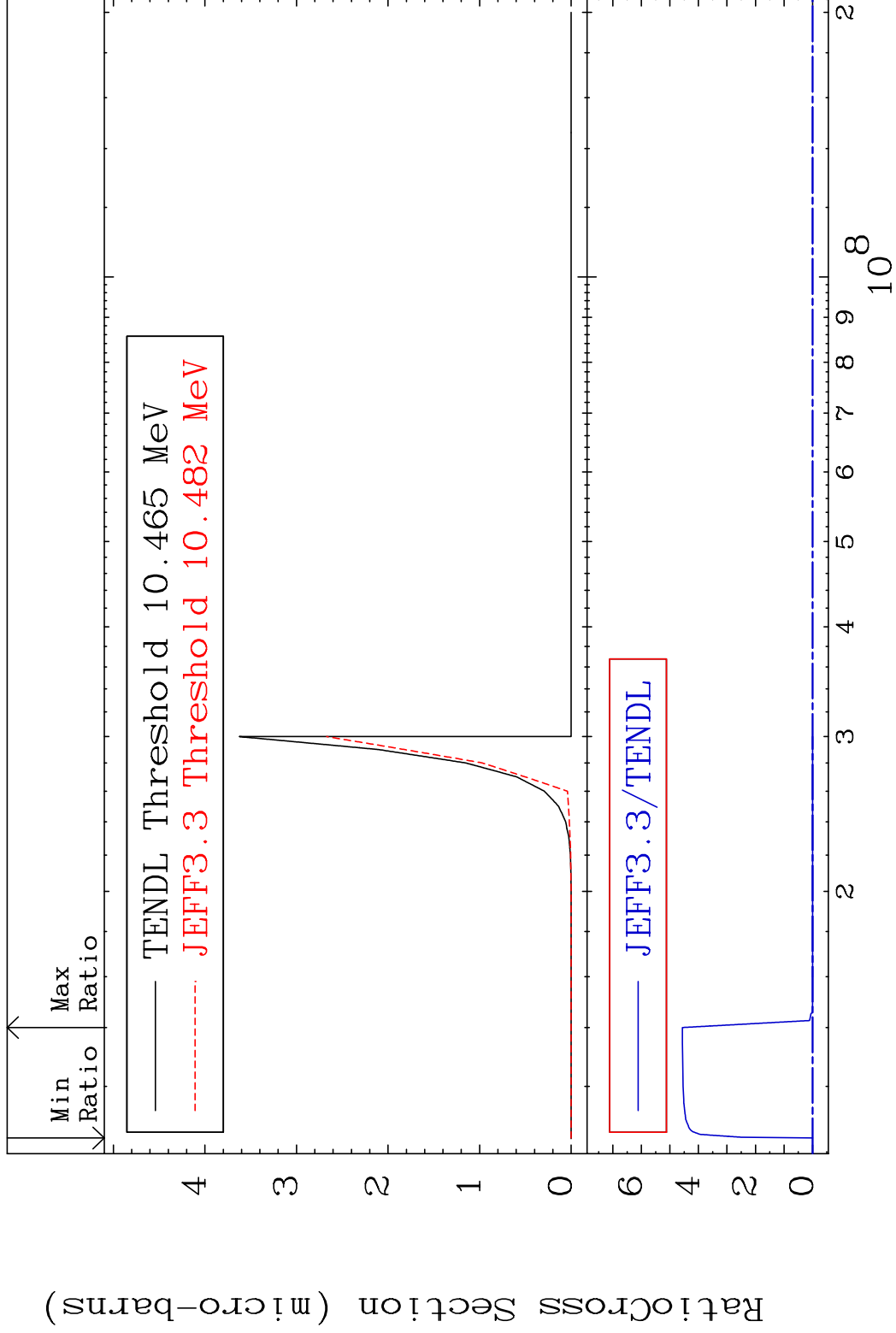
53-I -129

MAT 5331

(n,2p)

53-I -129

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

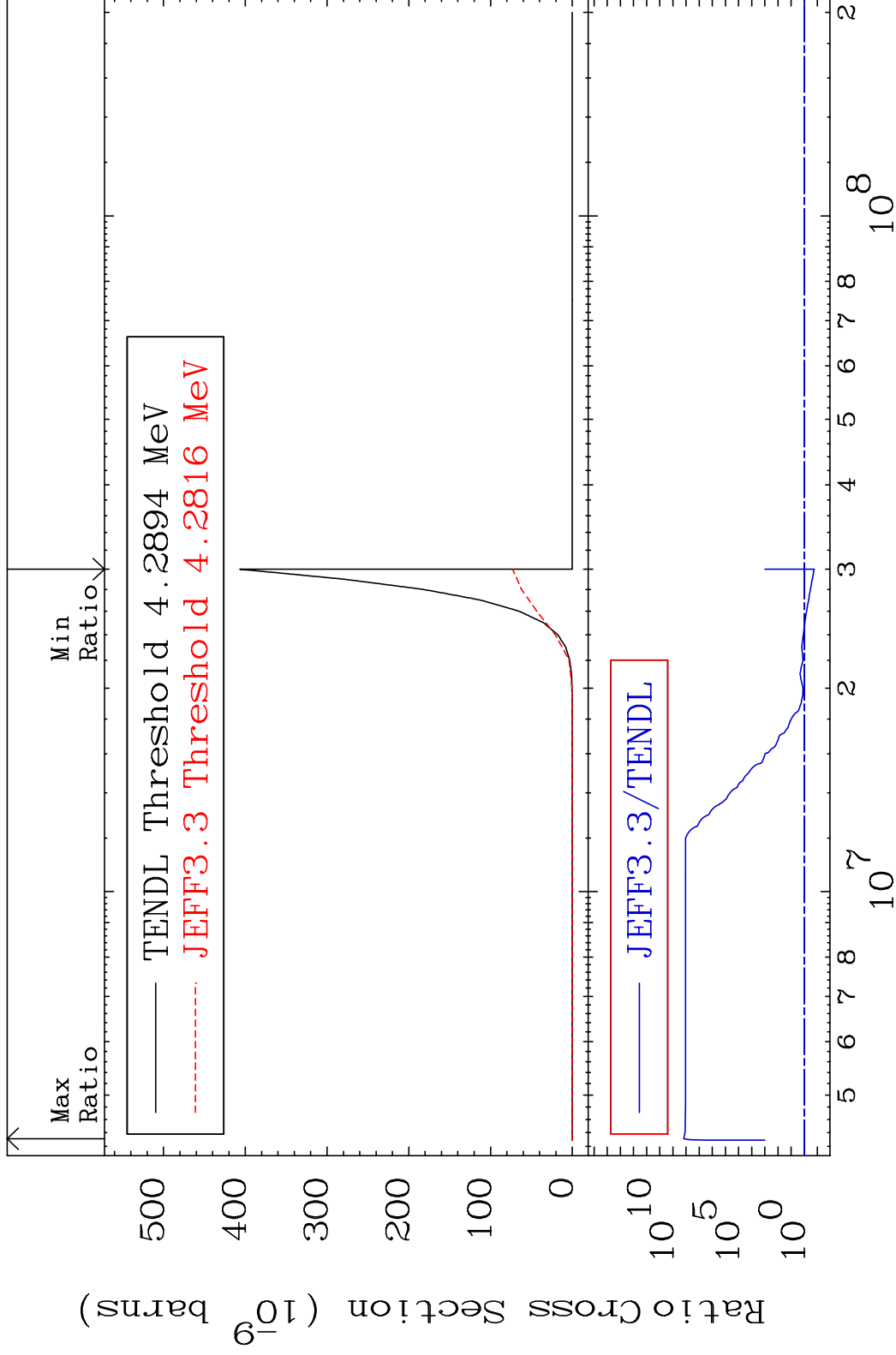
53-I -129

MAT 5331

(n,p) α

53-I -129

Cross Section -82.06 To 9999. %



42

Incident Energy (eV)

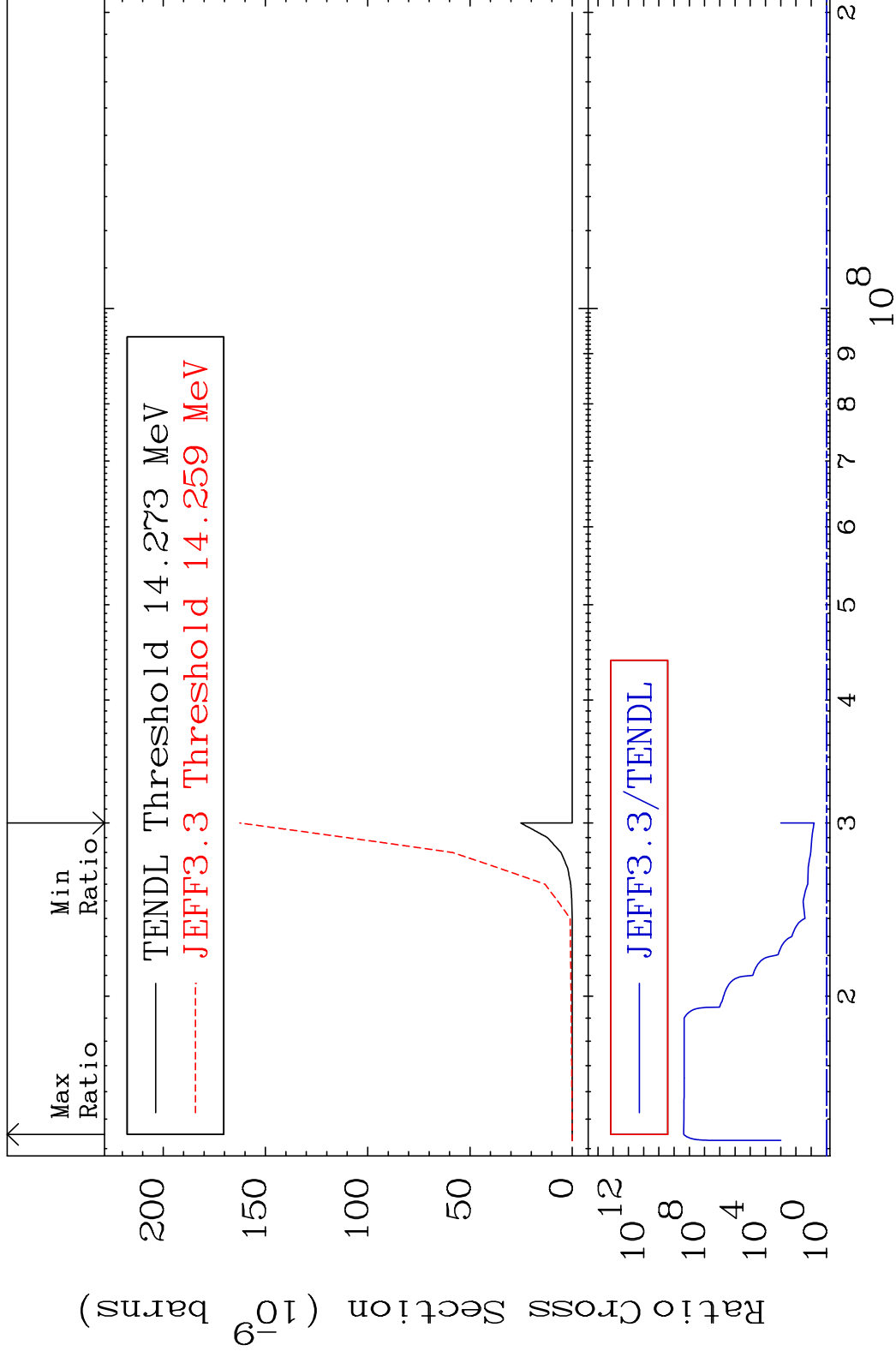
53-I -129

MAT 5331

(n,p) d

53-I -129

Cross Section 545.4 To 9999. %



43

Incident Energy (eV)

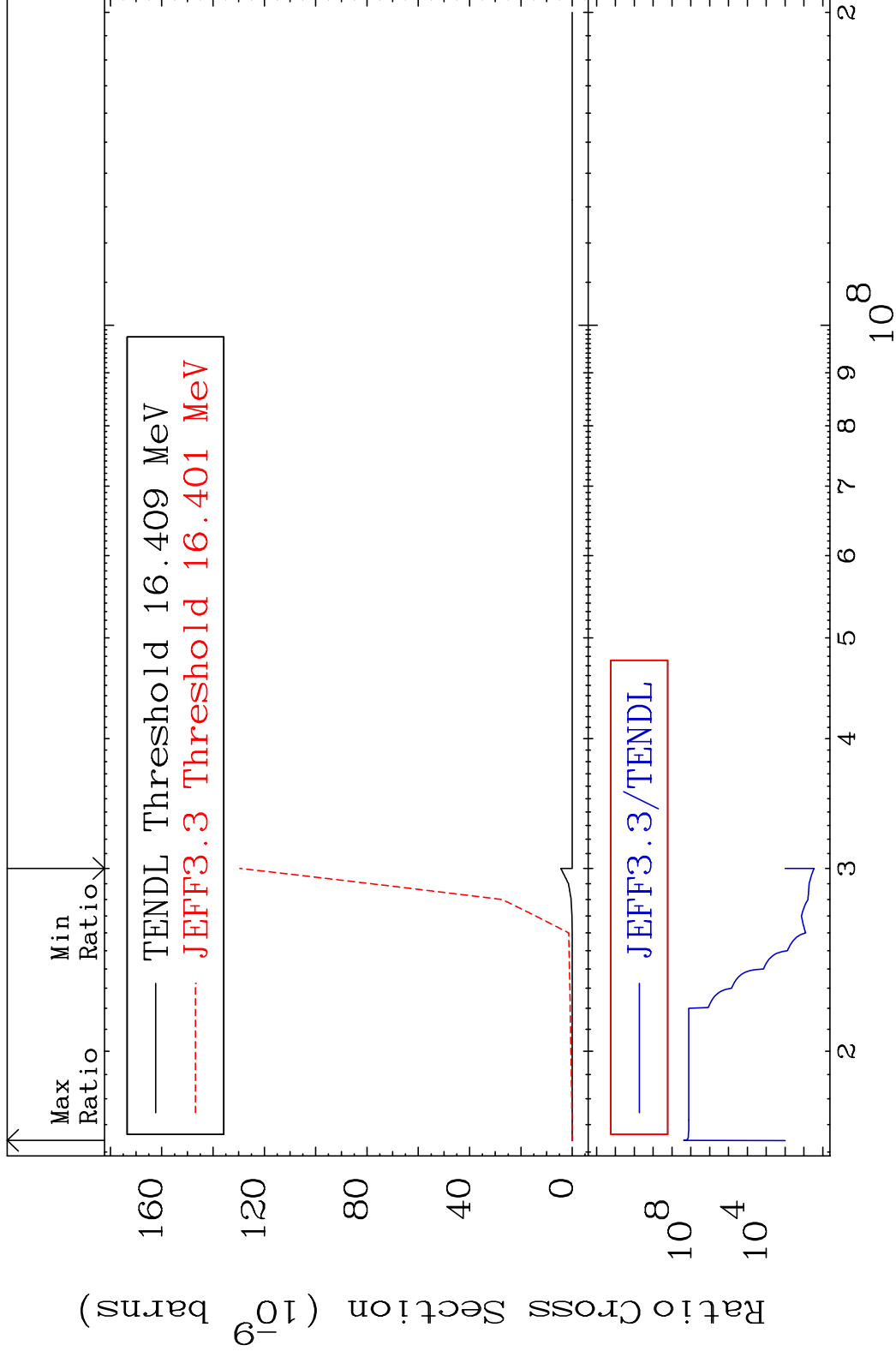
53-I -129

MAT 5331

(n,p) t

53-I -129

Cross Section 2793. To 9999. %



44

Incident Energy (eV)

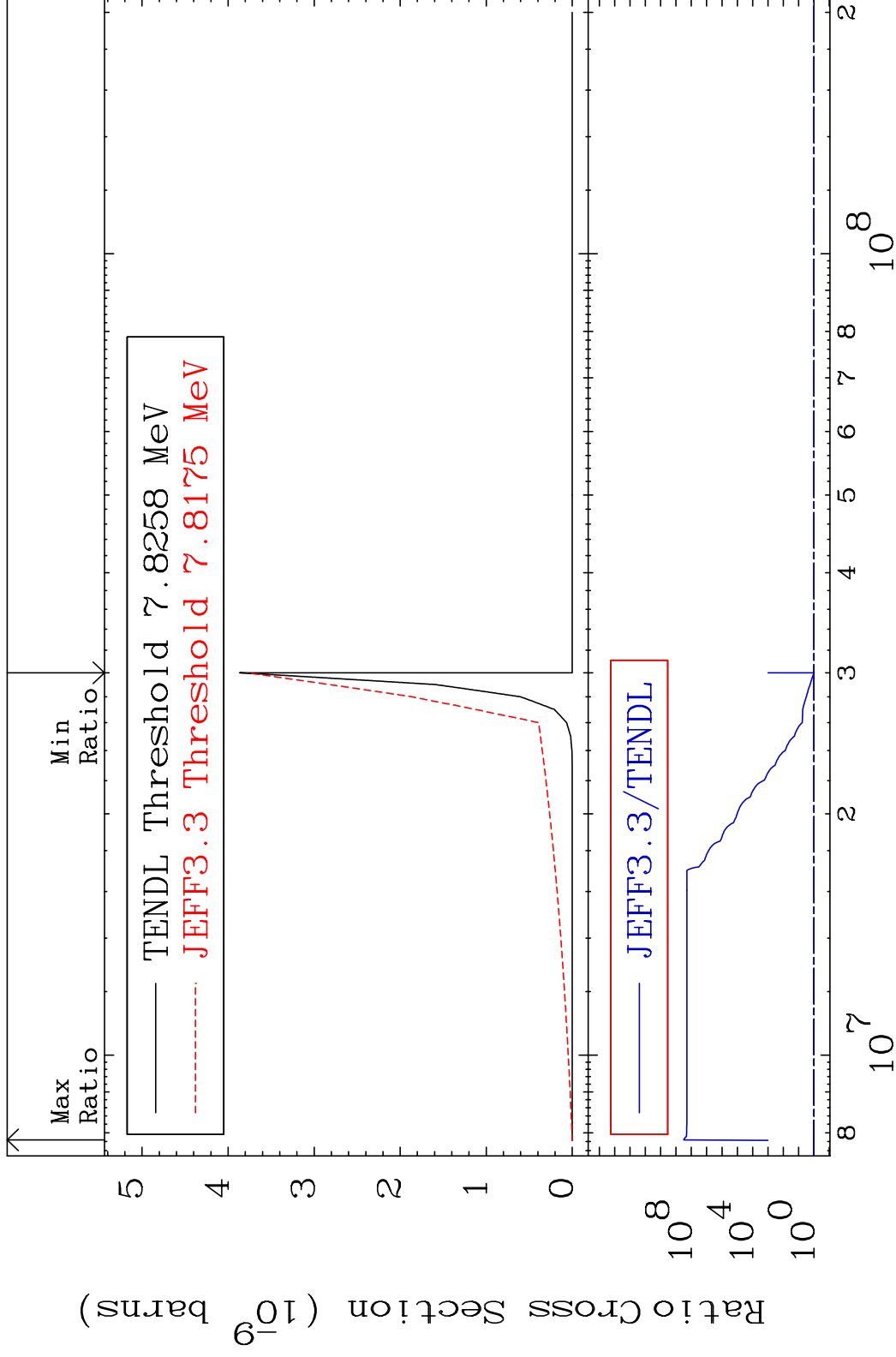
53-I -129

MAT 5331

(n,d) α

53-I -129

Cross Section -2.159 To 9999. %



45

Incident Energy (eV)

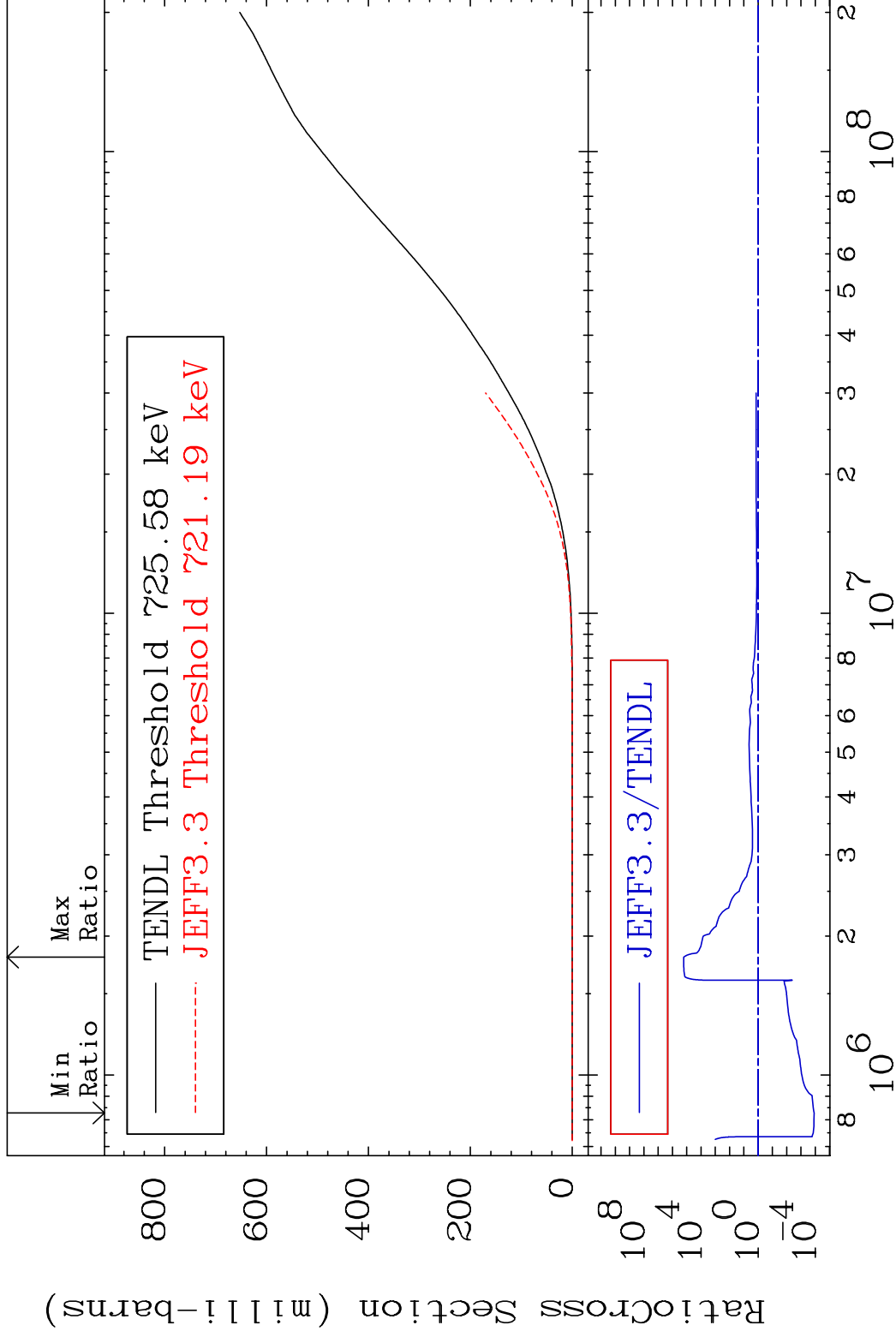
53-I -129

MAT 5331

Hydrogen Production

53-I -129

Cross Section -99.99 To 9999. %



46

Incident Energy (eV)

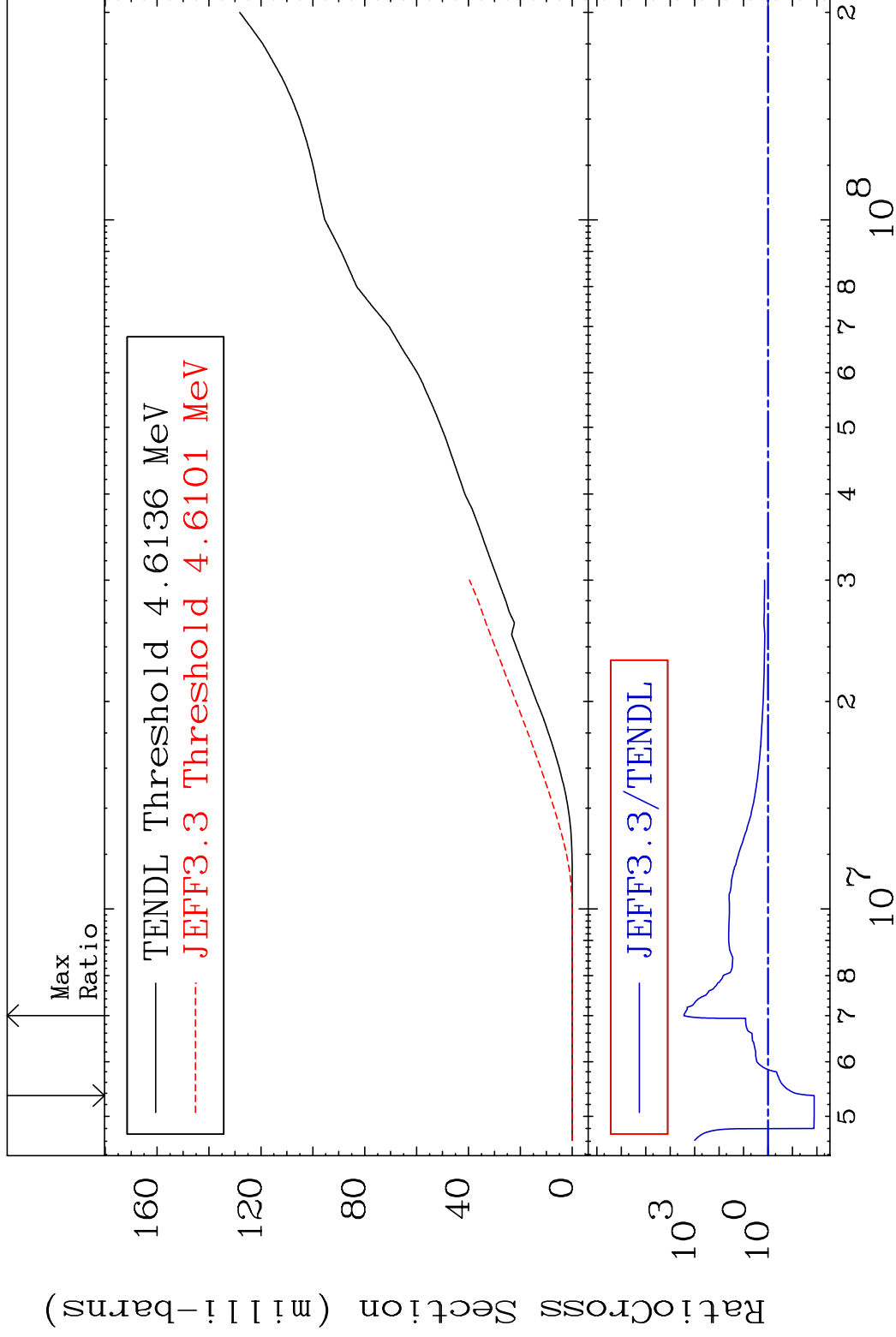
53-I -129

MAT 5331

Deuterium Production

53-I -129

Cross Section -98.69 To 9999. %



47

Incident Energy (eV)

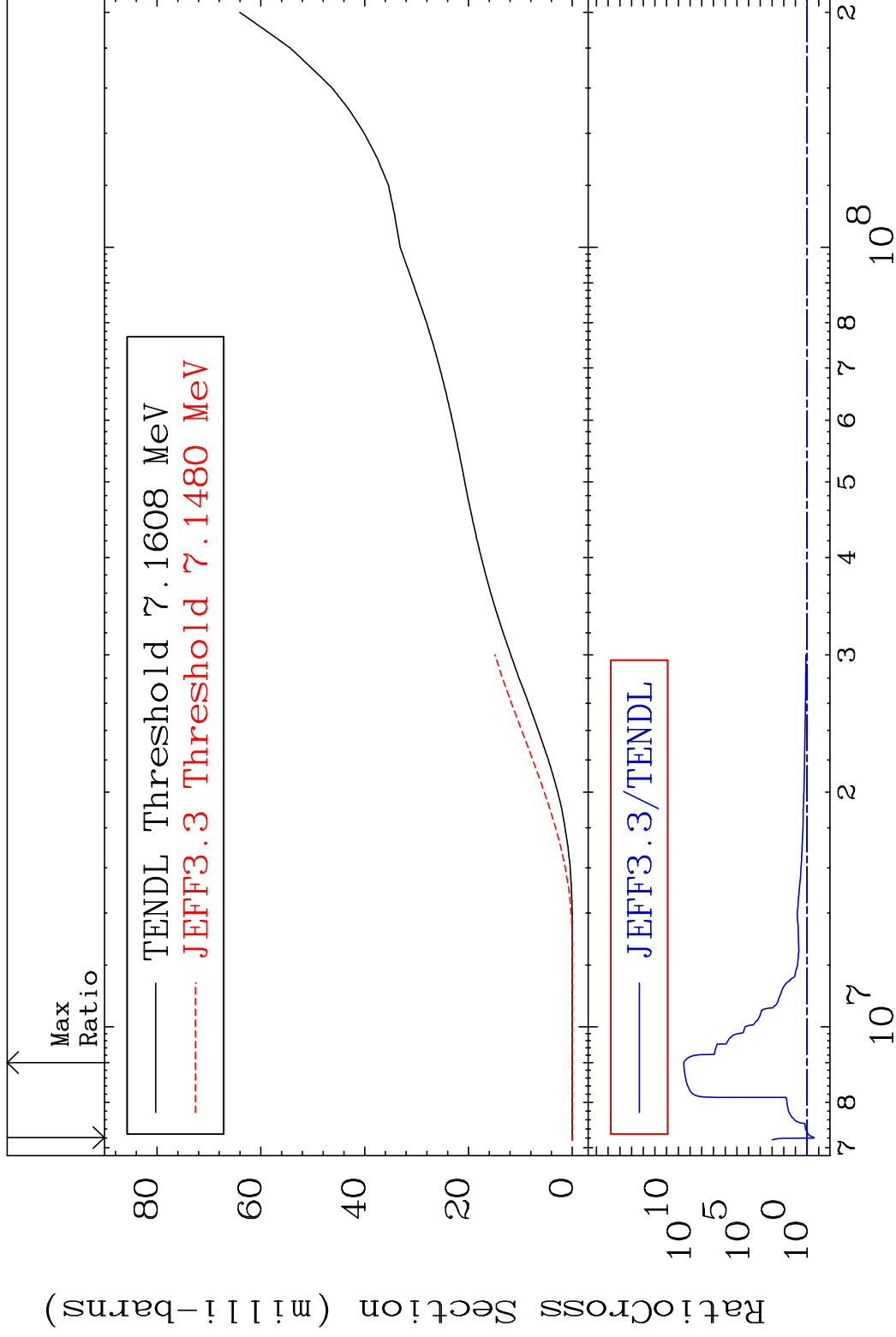
53-I -129

MAT 5331

Tritium Production

53-I -129

Cross Section -74.70 To 9999. %



48

Incident Energy (eV)

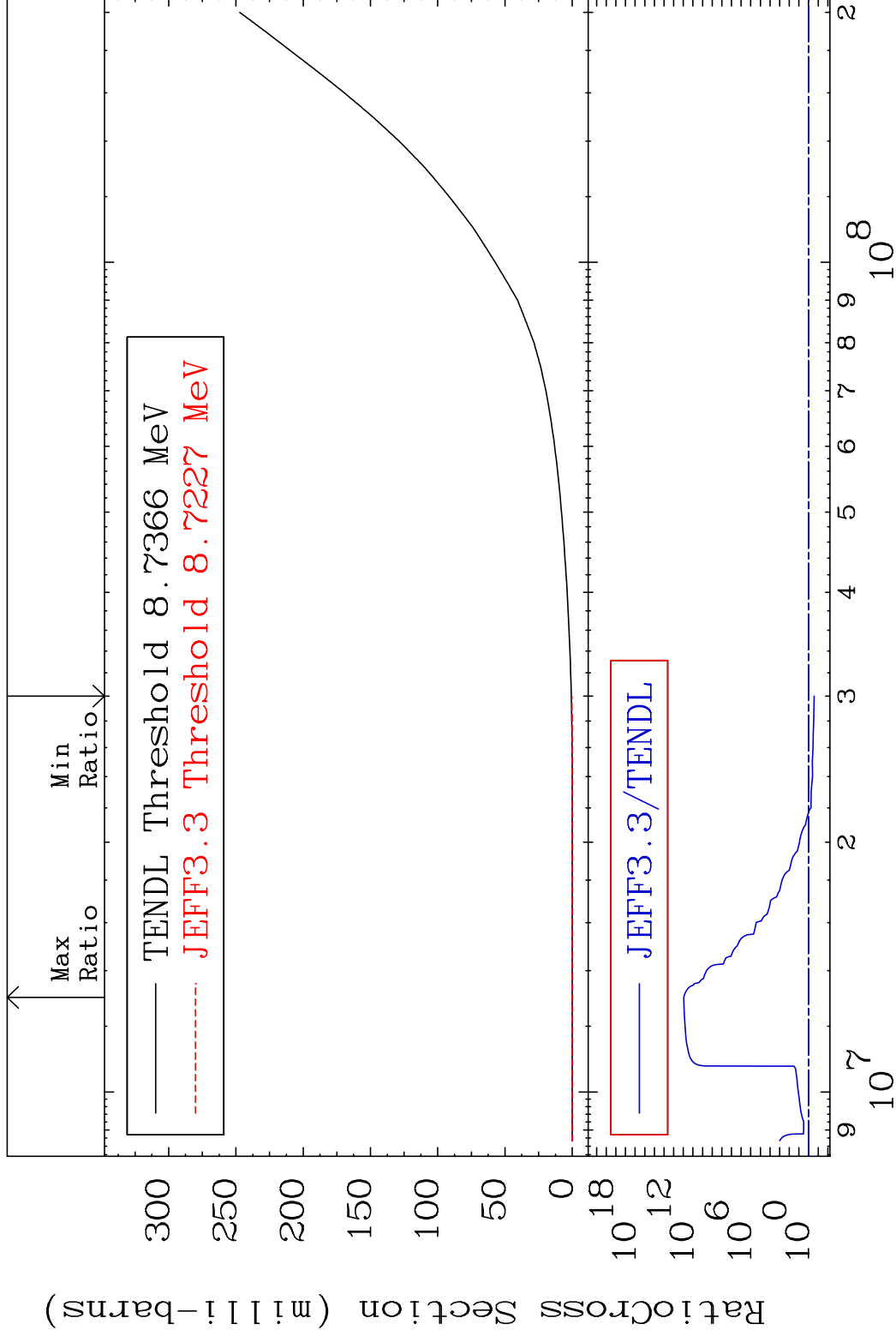
53-I -129

MAT 5331

He-3 Production

53-I -129

Cross Section -73.55 To 9999. %



49

Incident Energy (eV)

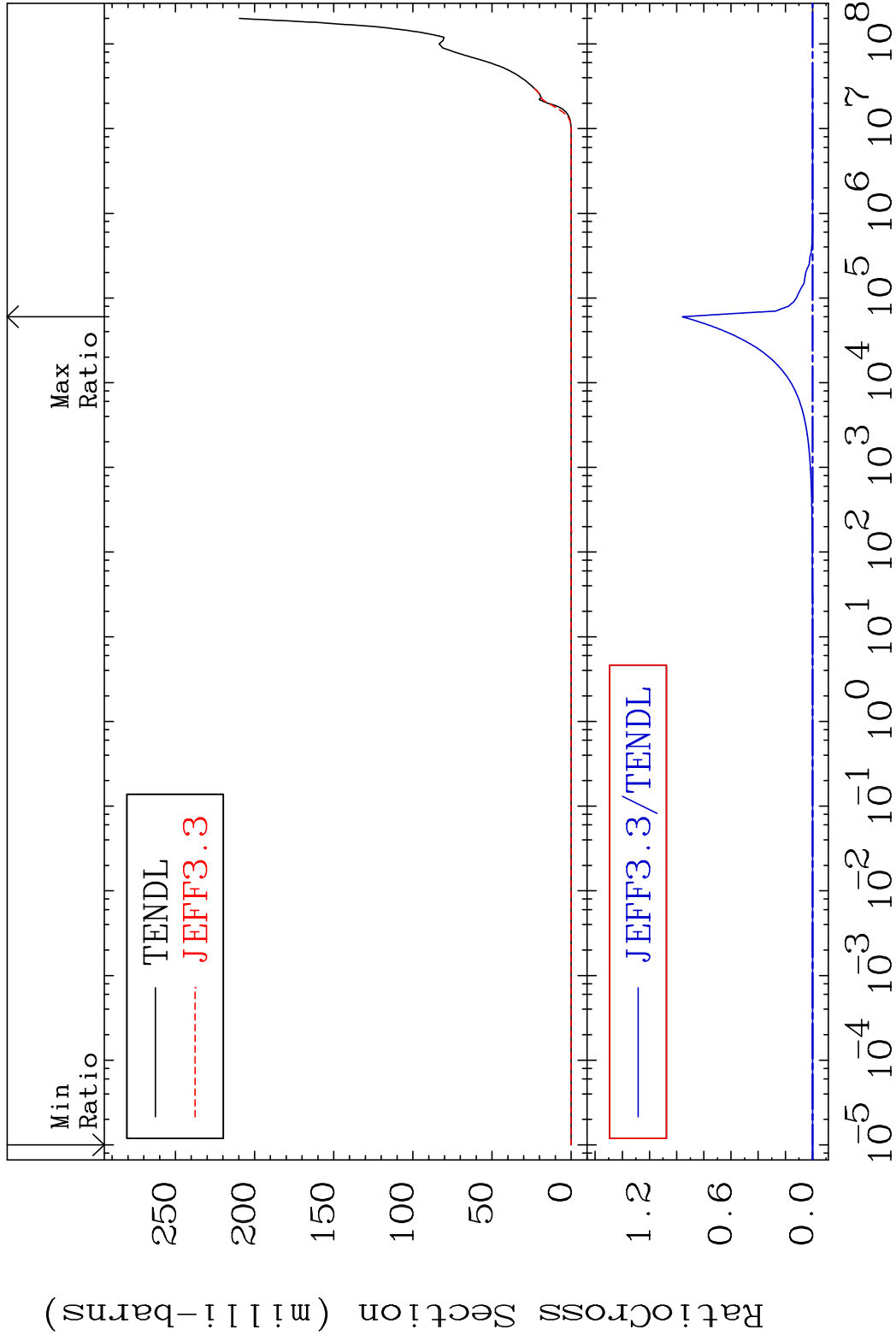
53-I -129

MAT 5331

He-4 Production

53-I -129

Cross Section -100.0 To 9999. %

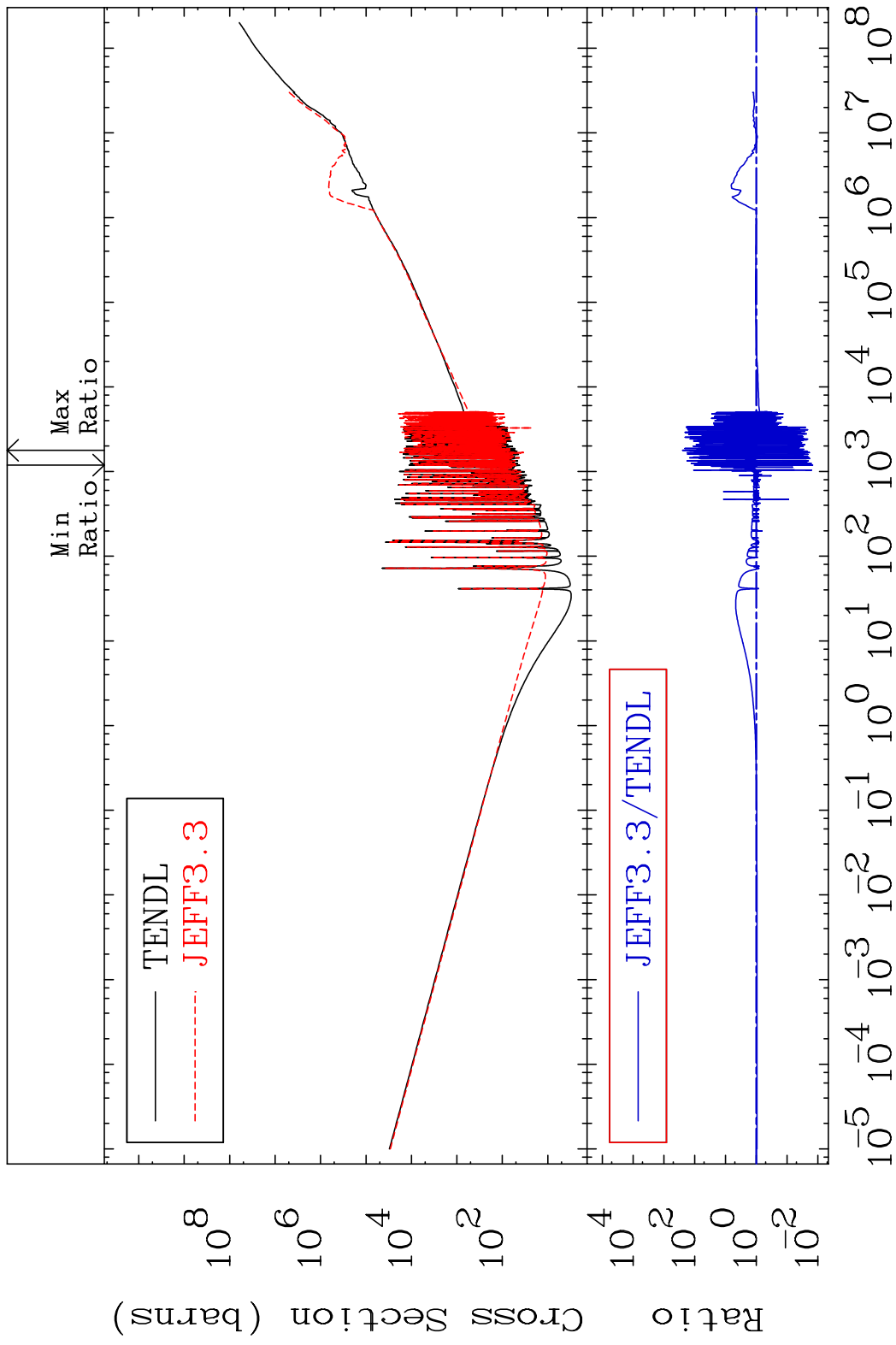


50

Incident Energy (eV)

53-I -129

MAT 5331 Kerma total (eV-barns) 53-I -129
 Cross Section -98.50 To 9999. %



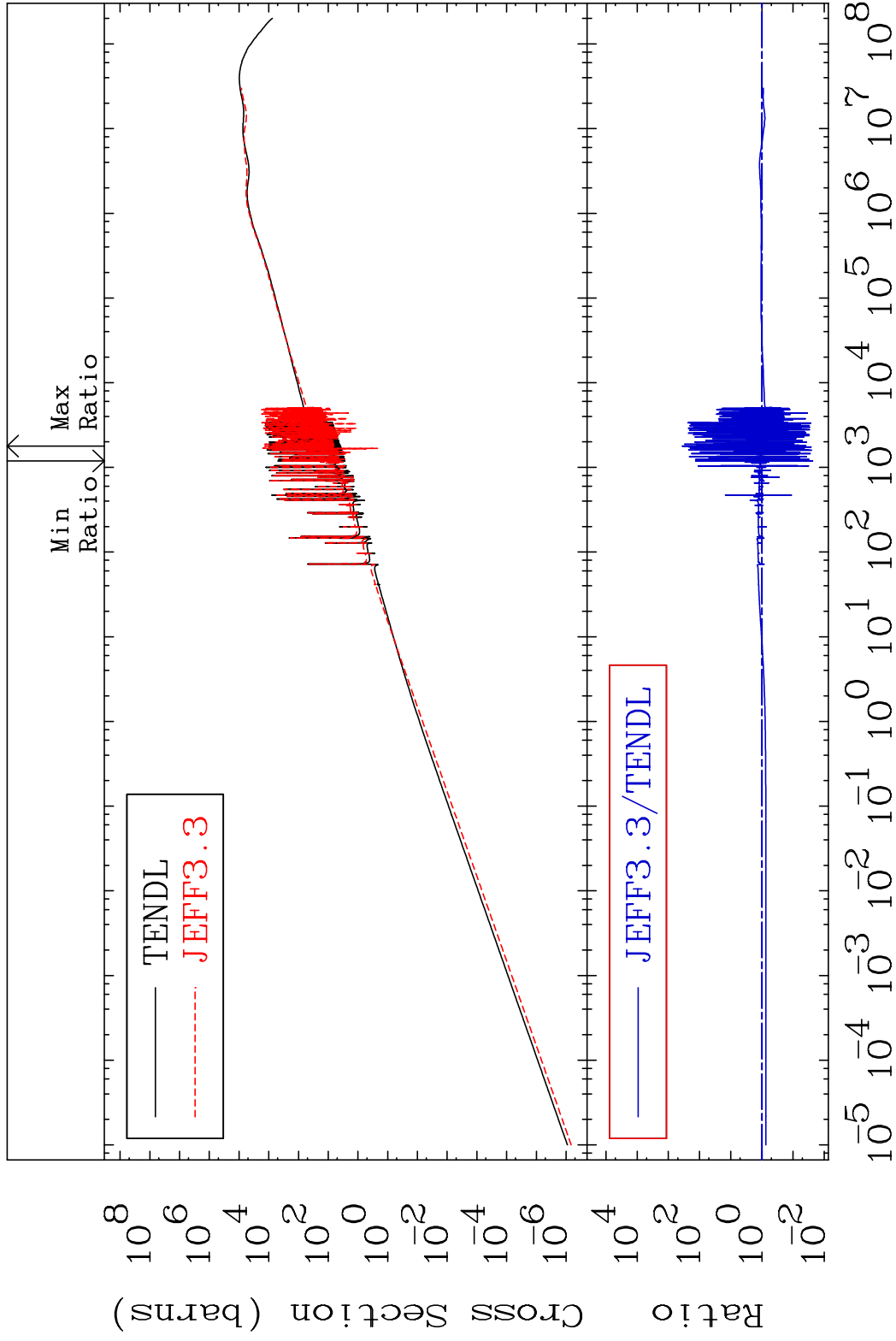
51 Incident Energy (eV) 53-I -129

MAT 5331

Kerma elastic

53-I -129

Cross Section -97.63 To 9999. %

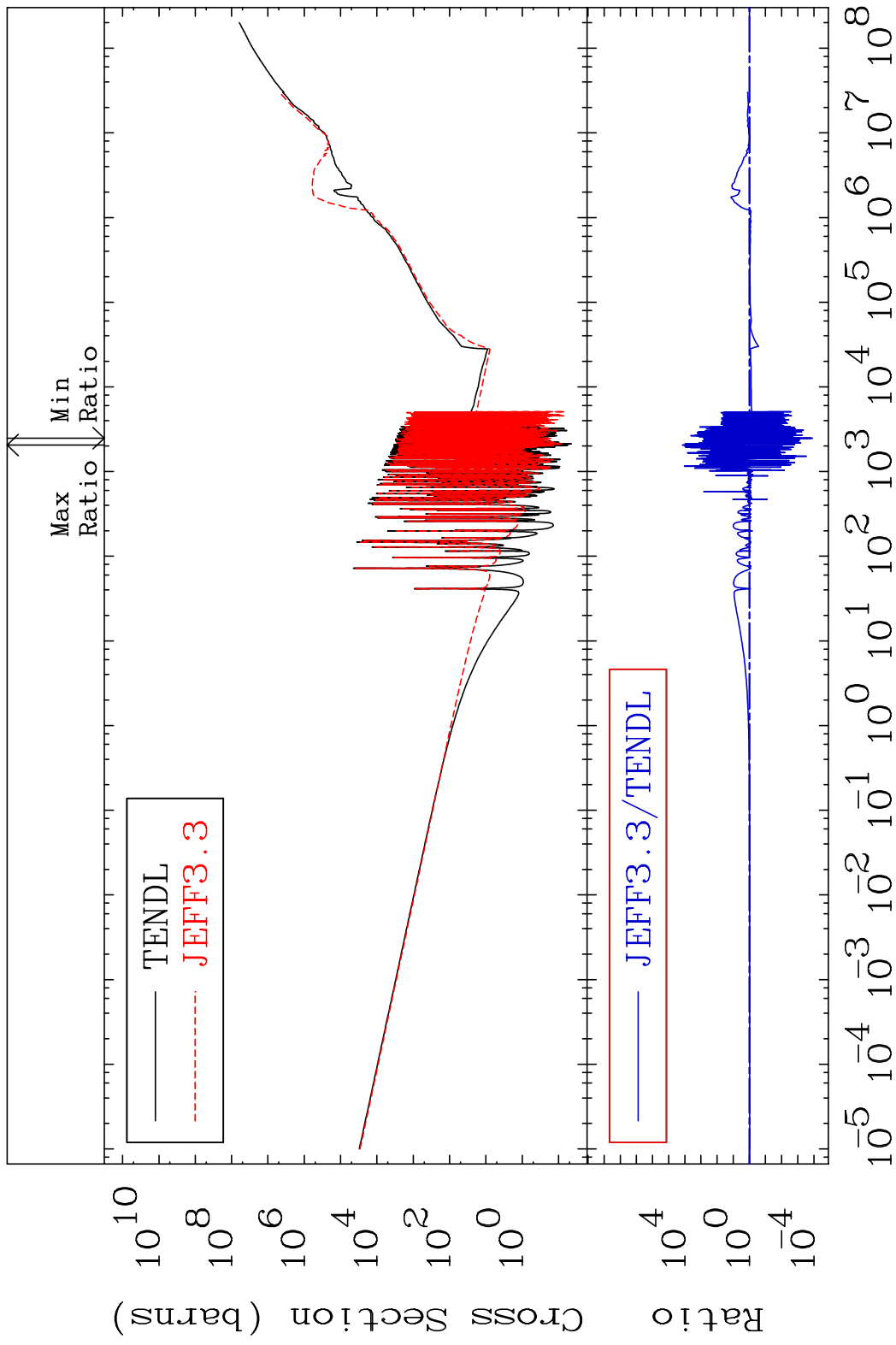


52

Incident Energy (eV)

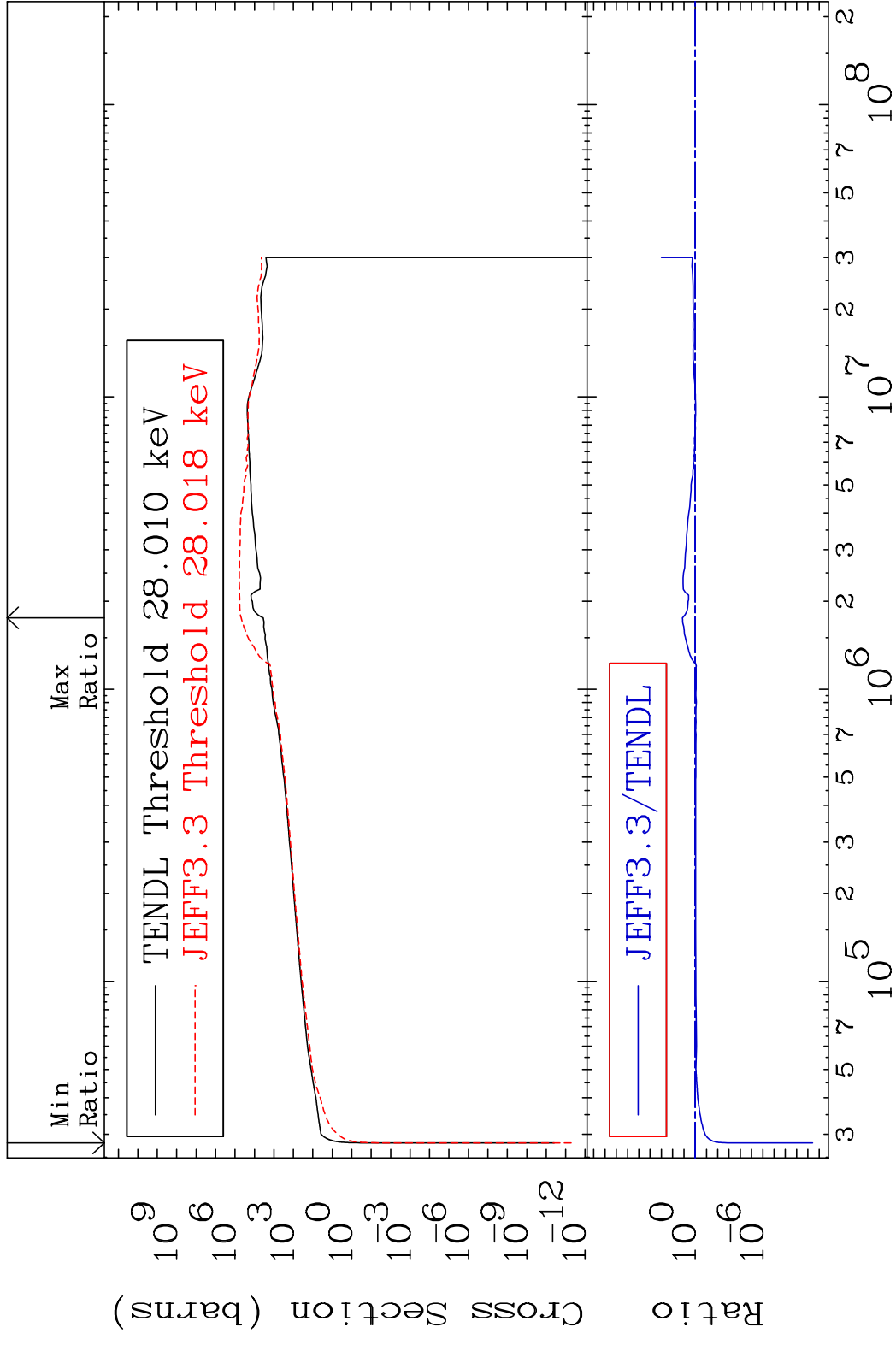
53-I -129

MAT 5331 Kerma non-elastic (all but mt2) 53-I -129
 Cross Section -99.99 To 9999. %

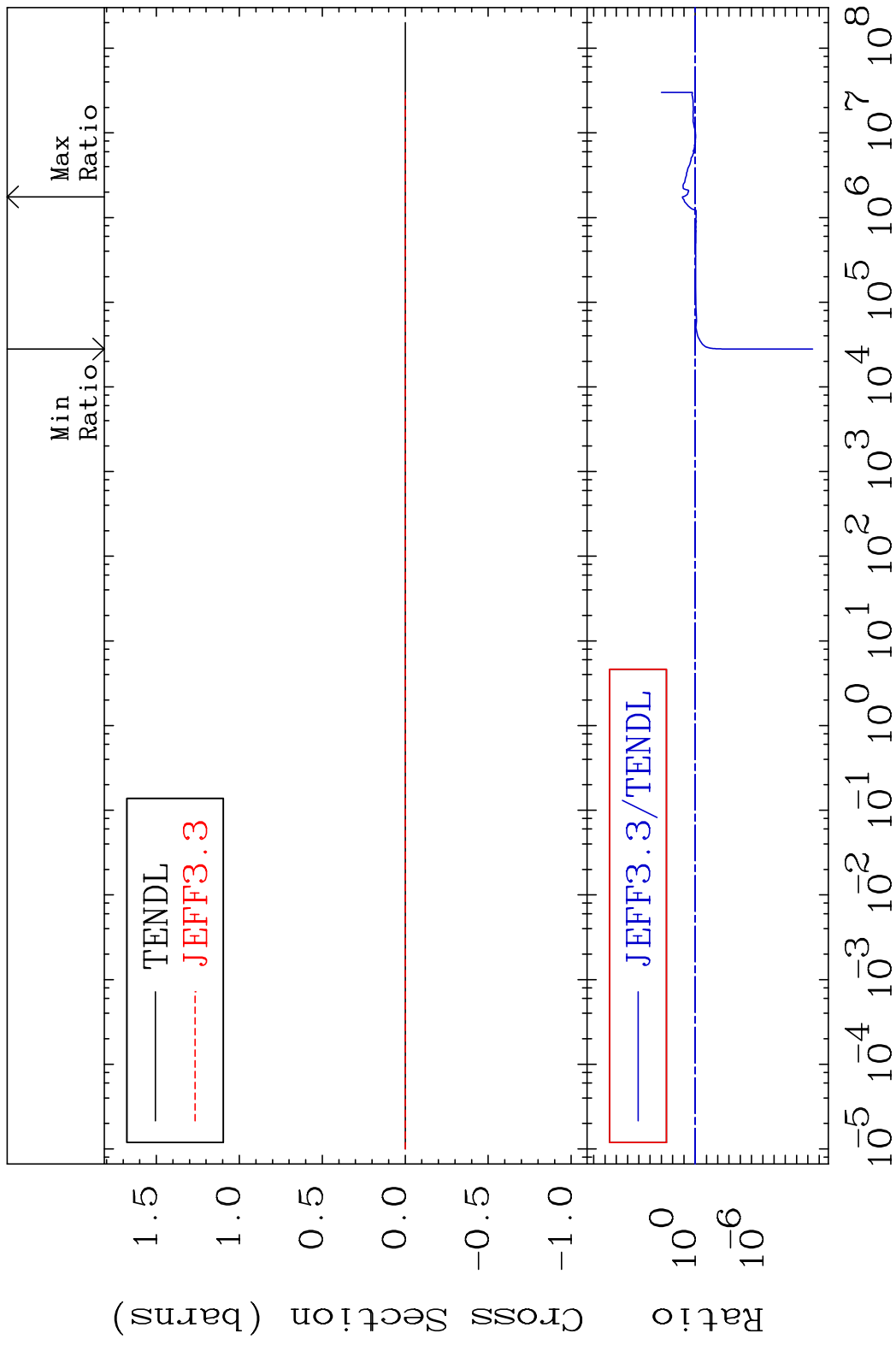


53 Incident Energy (eV) 53-I -129

MAT 5331 Kerma inelastic (mt51-91) 53-I -129
 Cross Section -100.0 To 1278. %



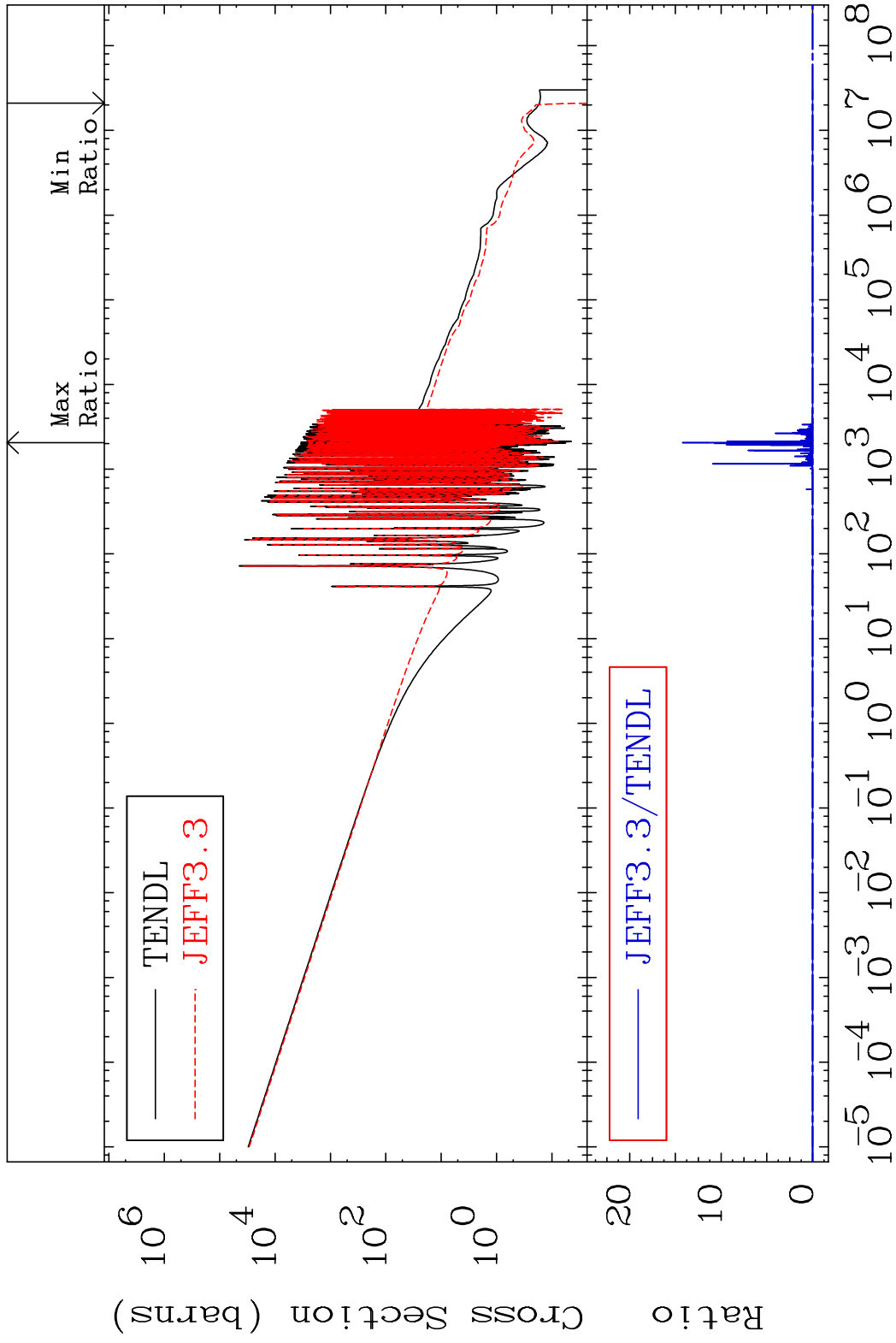
MAT 5331 Kerma fission (mt18 or mt19-20-21-38)53-I -129
 Cross Section -100.0 To 1278. %



MAT 5331

Kerma capture (mt102) 53-I -129

Cross Section -100.0 To 9999. %

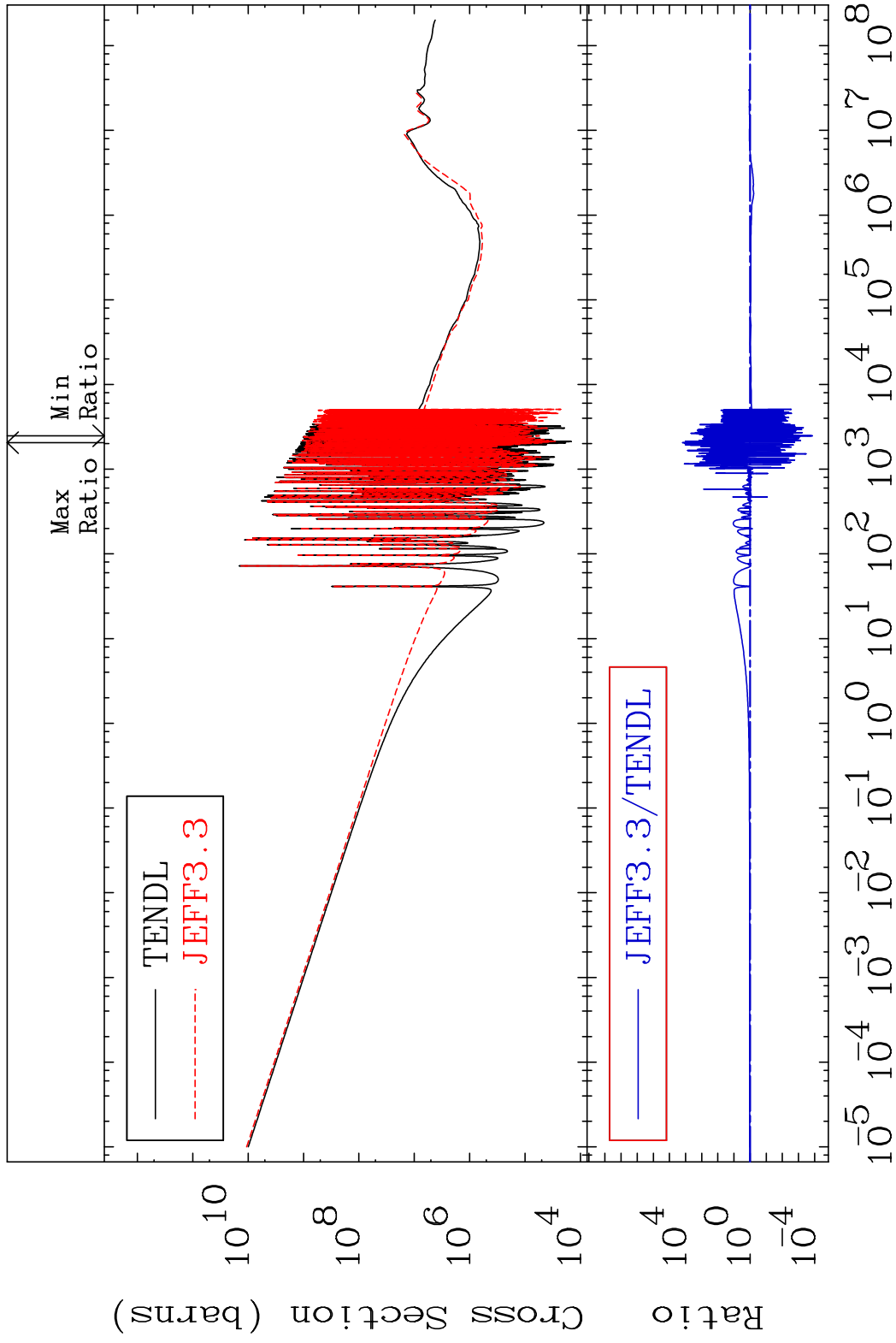


56

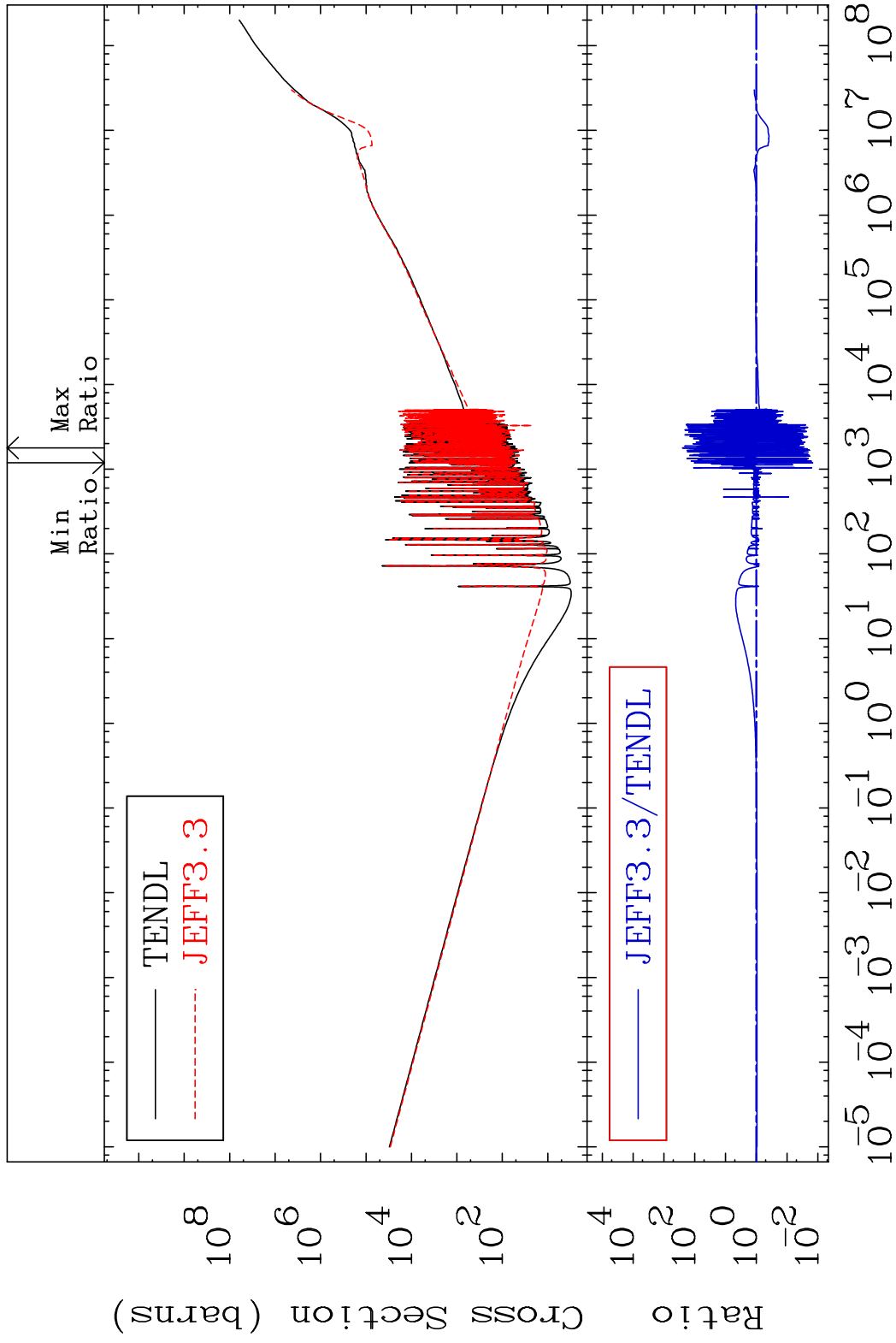
Incident Energy (eV)

53-I -129

MAT 5331 Total photon (eV-barns) 53-I -129
Cross Section -99.99 To 9999. %



MAT 5331 Total kinematic kerma (high limit) 53-I -129
 Cross Section -98.50 To 9999. %

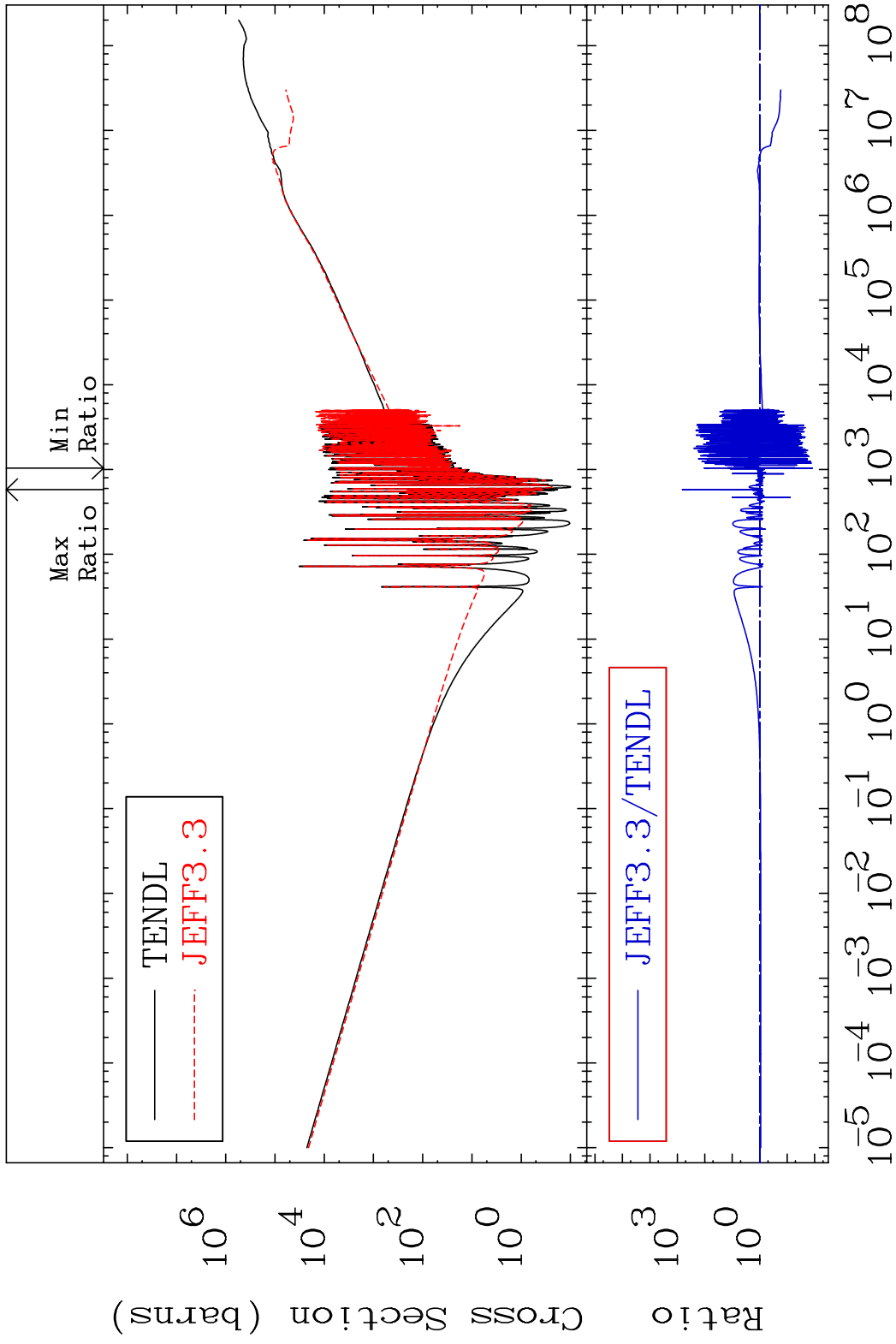


MAT 5331

Dpa total (eV-barns)

53-I -129

Cross Section -98.80 To 9999. %



59

Incident Energy (eV)

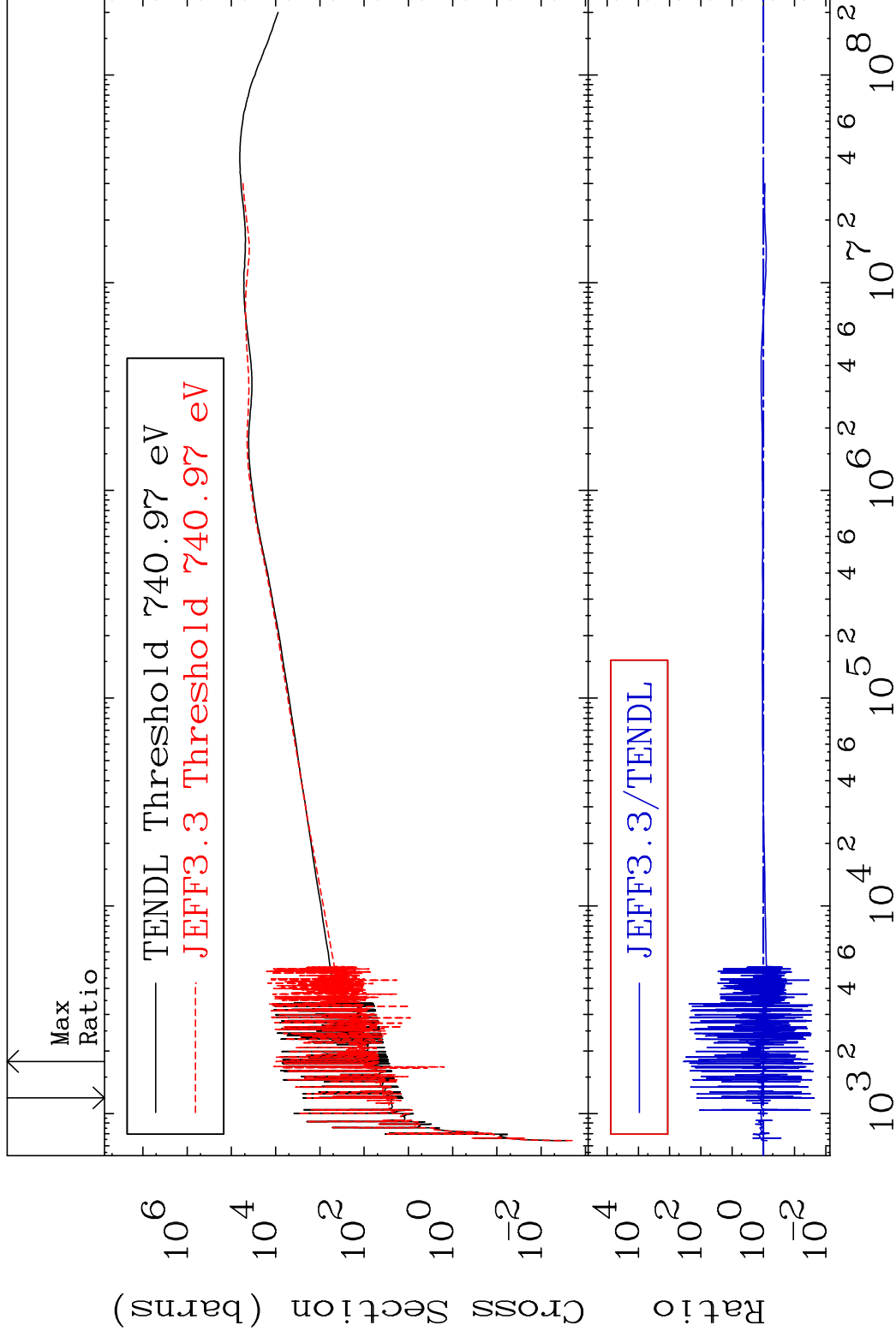
53-I -129

MAT 5331

Dpa elastic (mt2)

53-I -129

Cross Section -97.63 To 9999. %



60

Incident Energy (eV)

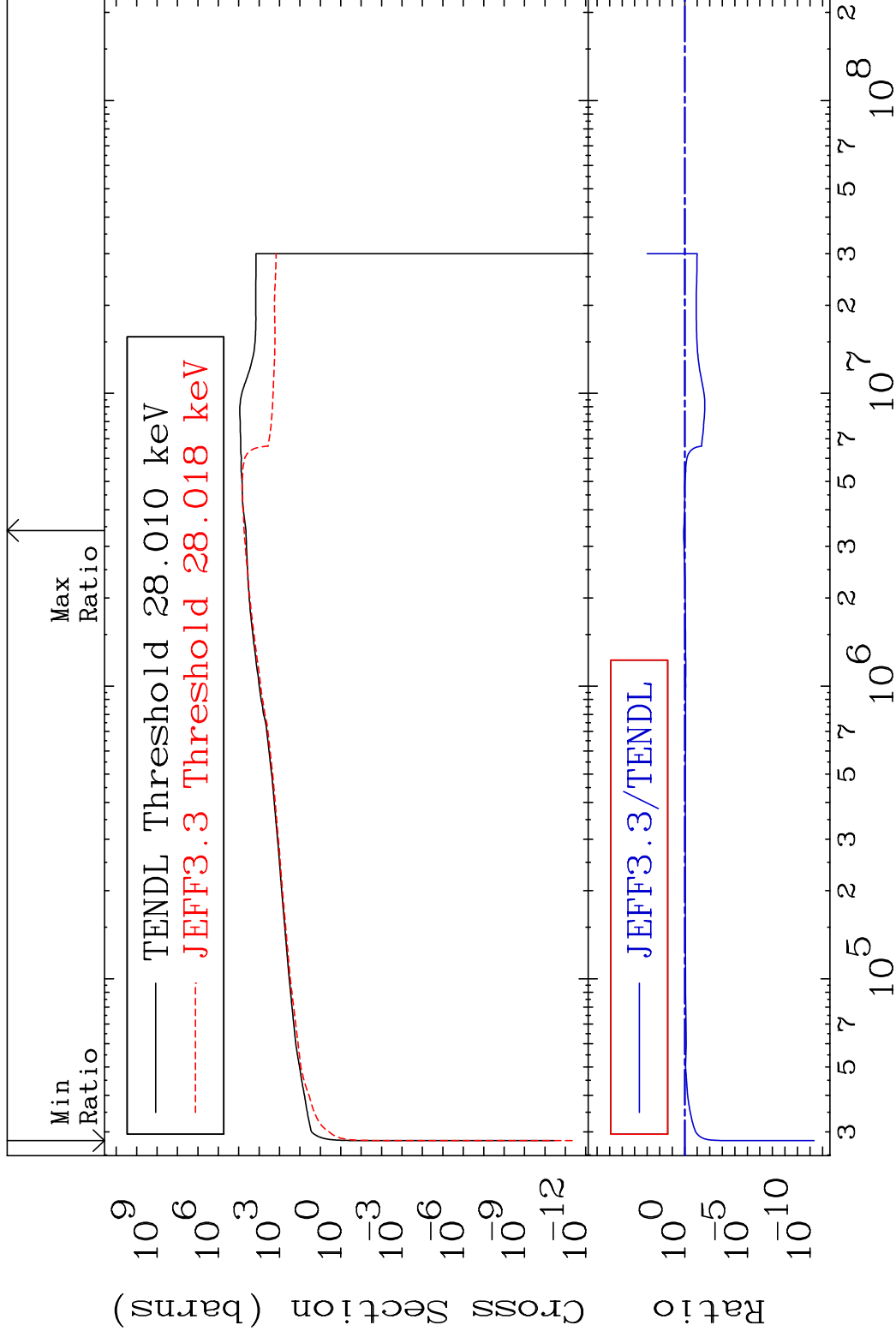
53-I -129

MAT 5331

Dpa inelastic (mt51-91)

53-I -129

Cross Section -100.0 To 22.35 %

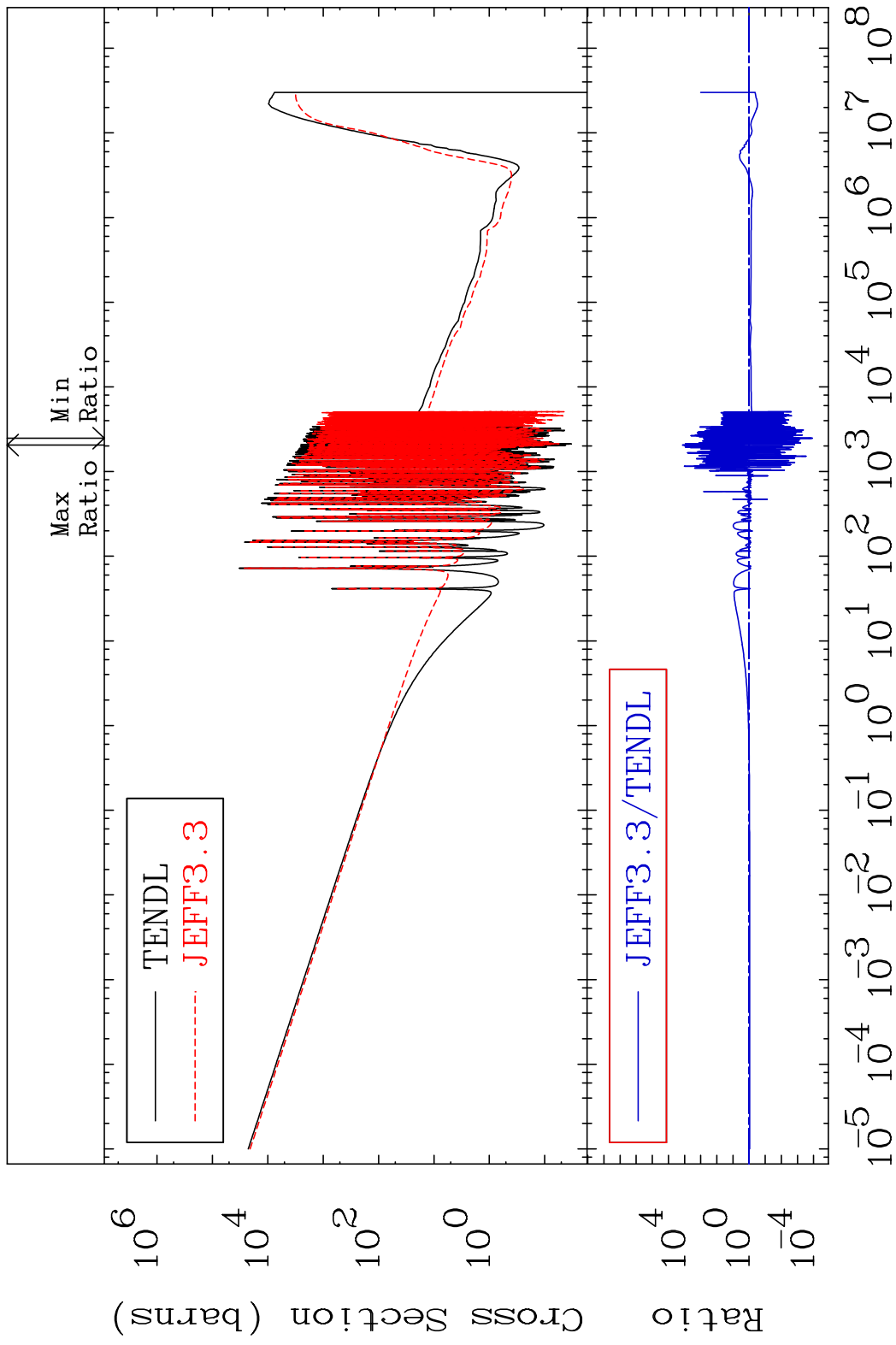


61

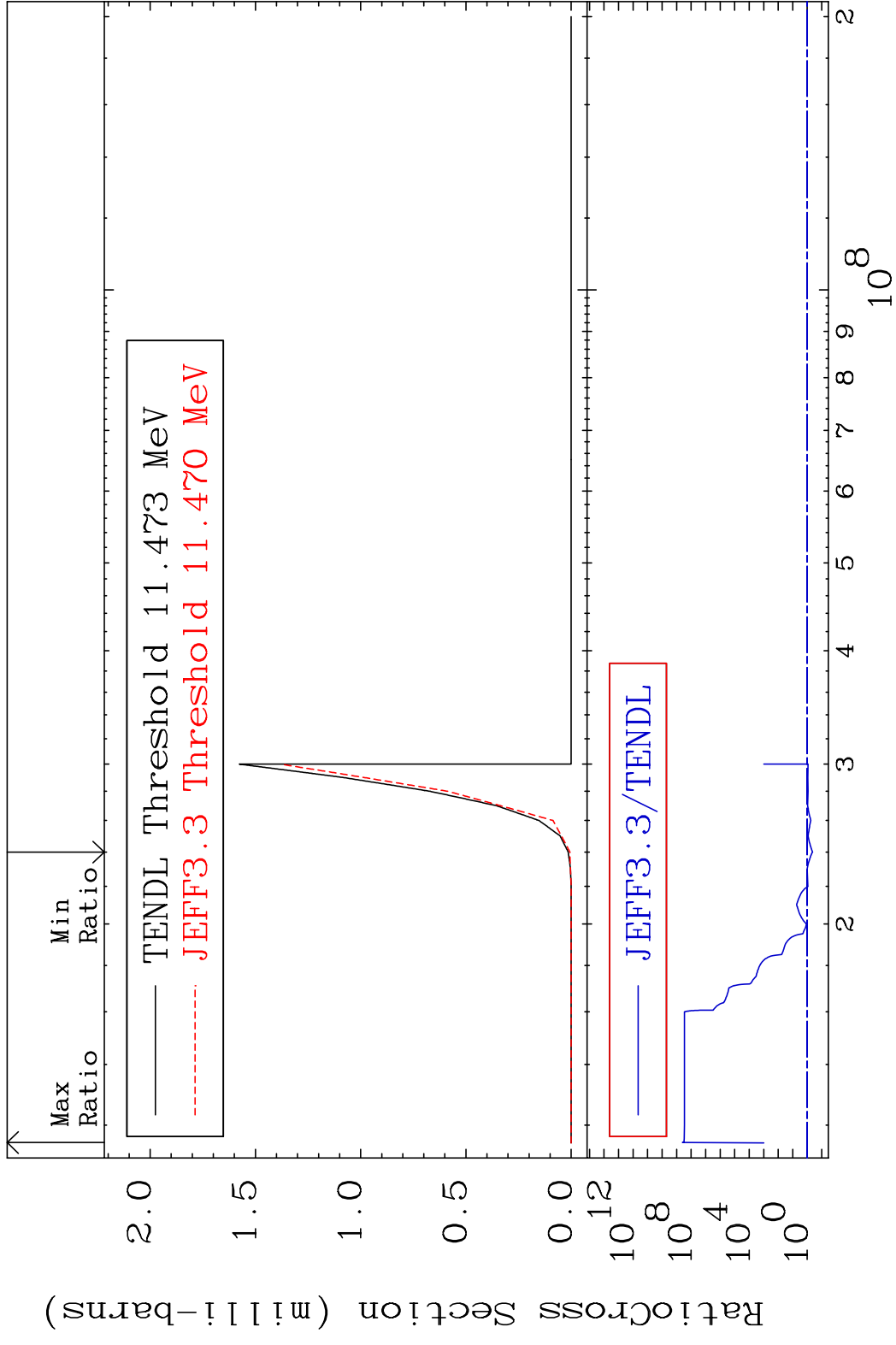
Incident Energy (eV)

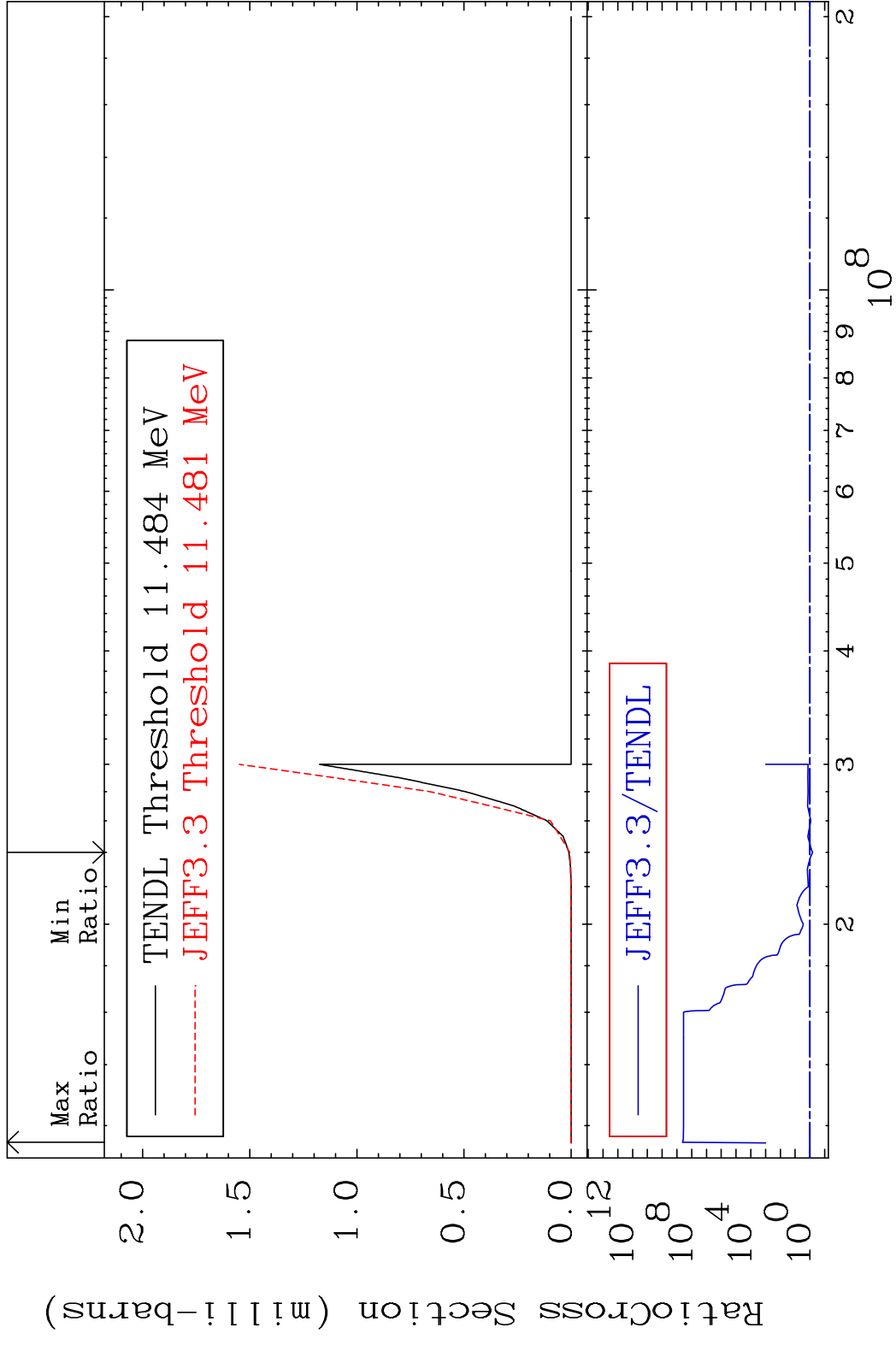
53-I -129

MAT 5331 Dpa disappearance (mt102 -120) 53-I -129
 Cross Section -99.99 To 9999. %

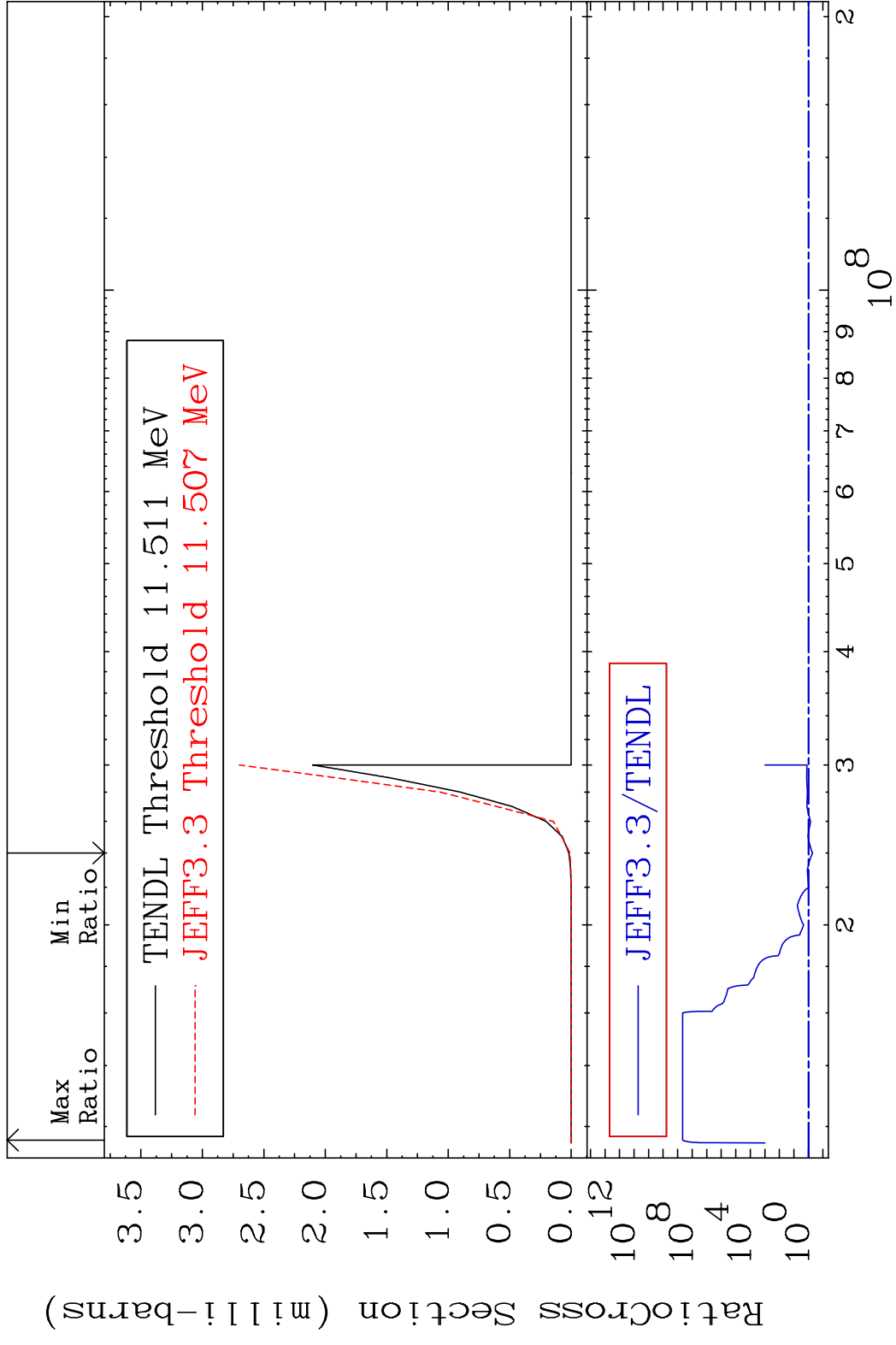


62 Incident Energy (eV) 53-I -129

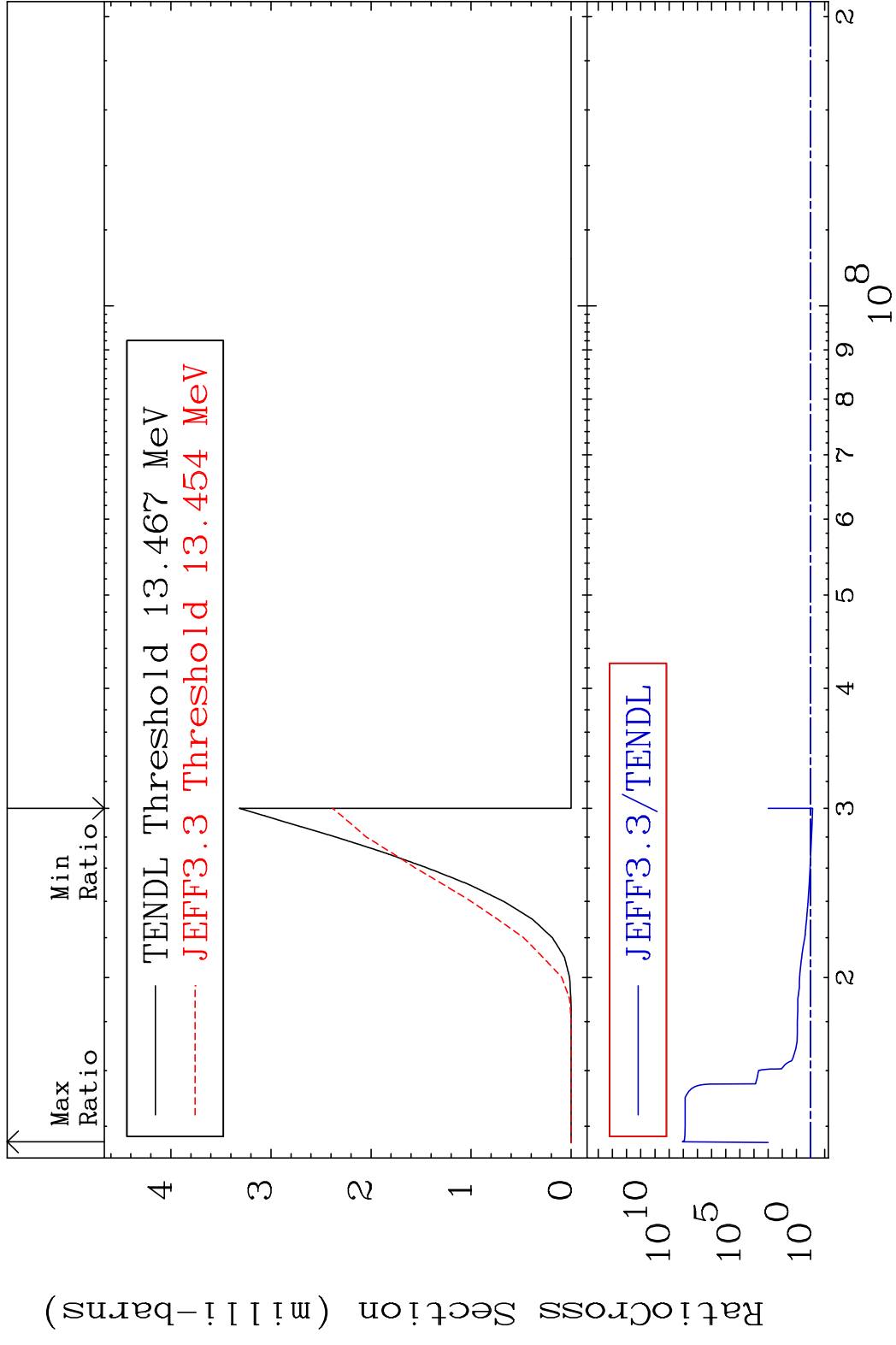


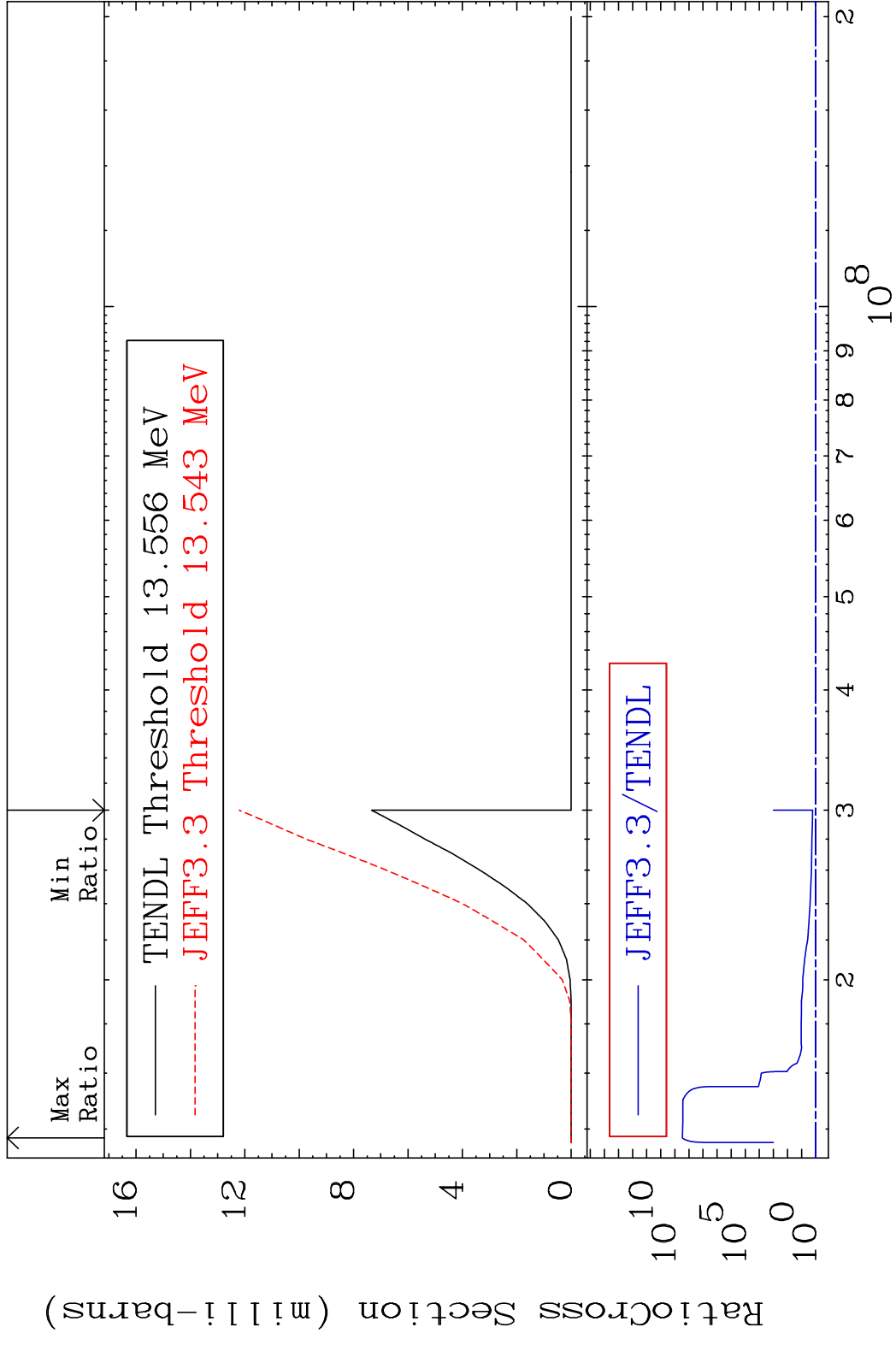


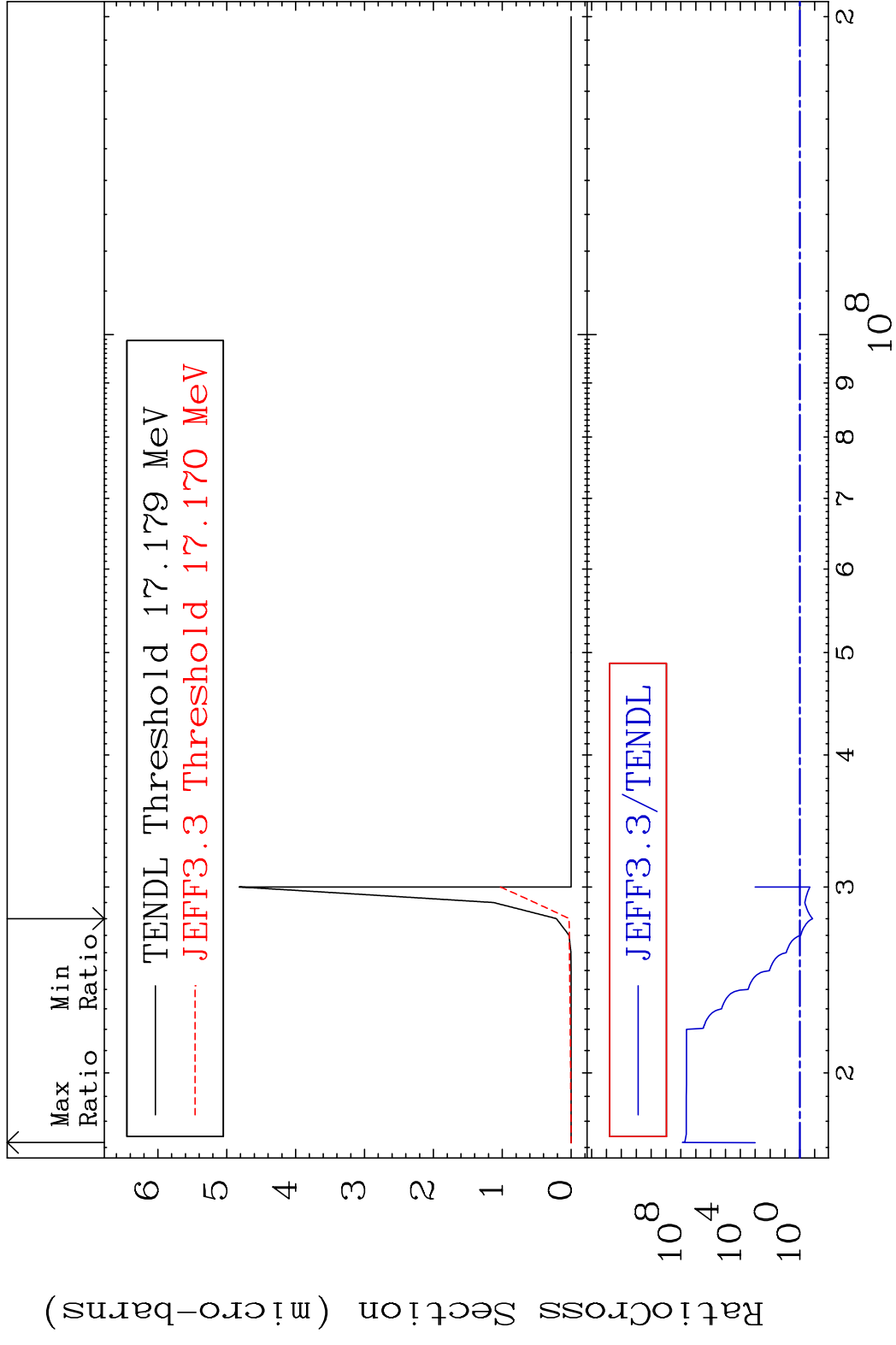
MAT 5331 (n,2n) α :51-Sb-124m2 53-I -129
 Radionuclide Production Cross Section 48e001d10 9999. %

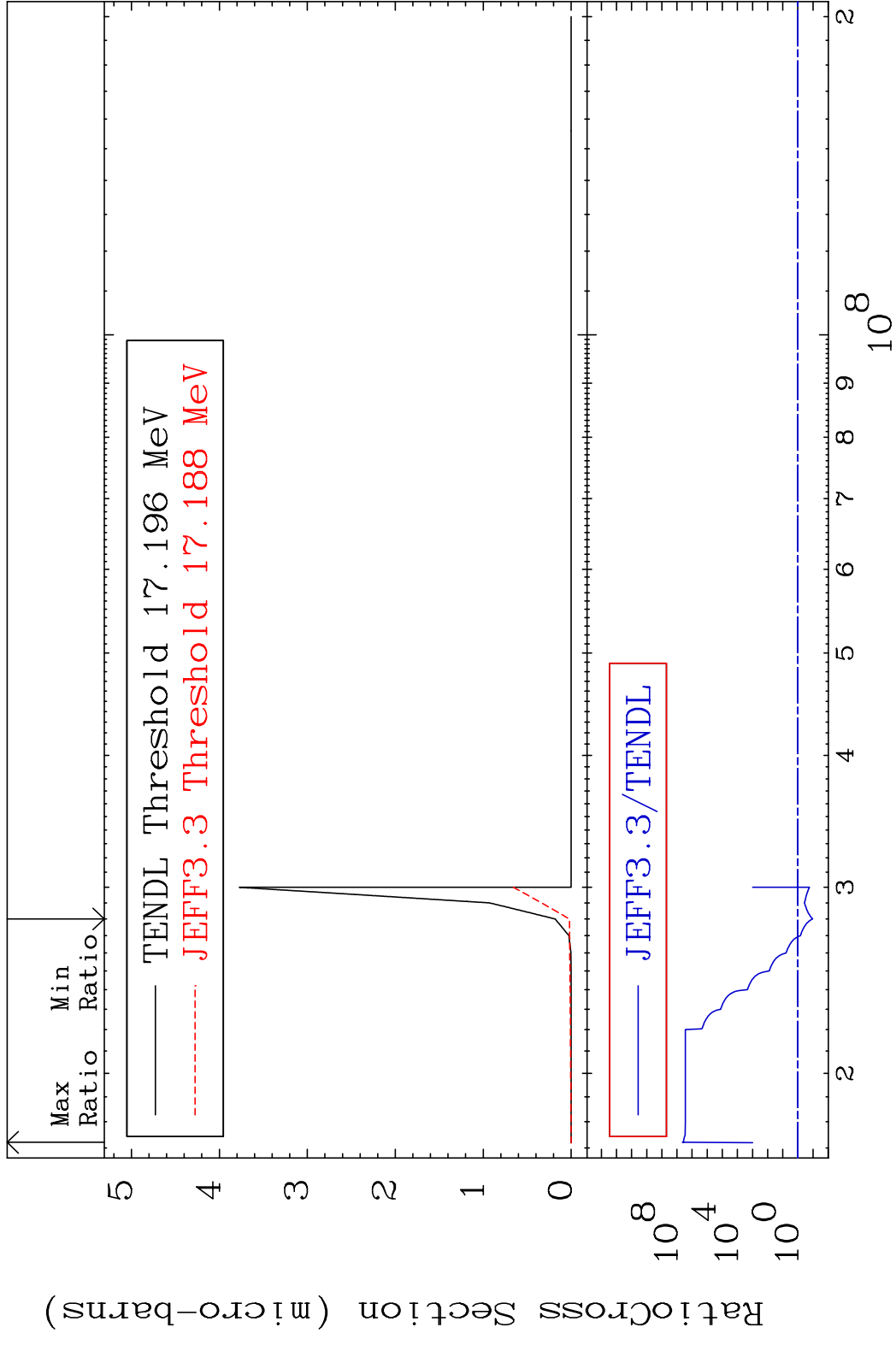


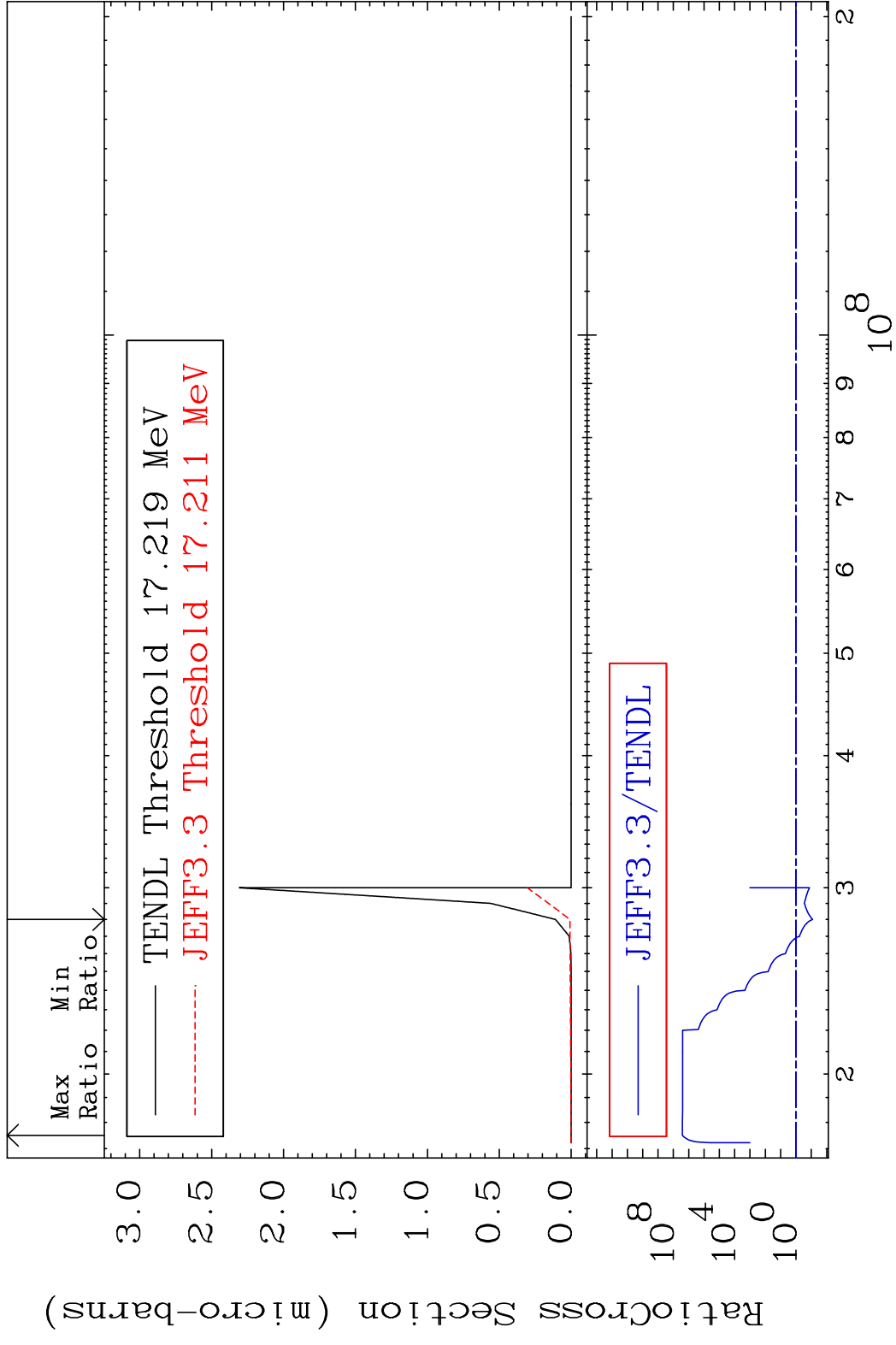
MAT 5331 (n, n') d:52-Te-127g 53-I -129
 Radionuclide Production Cross Section 386091 d10 9999. %

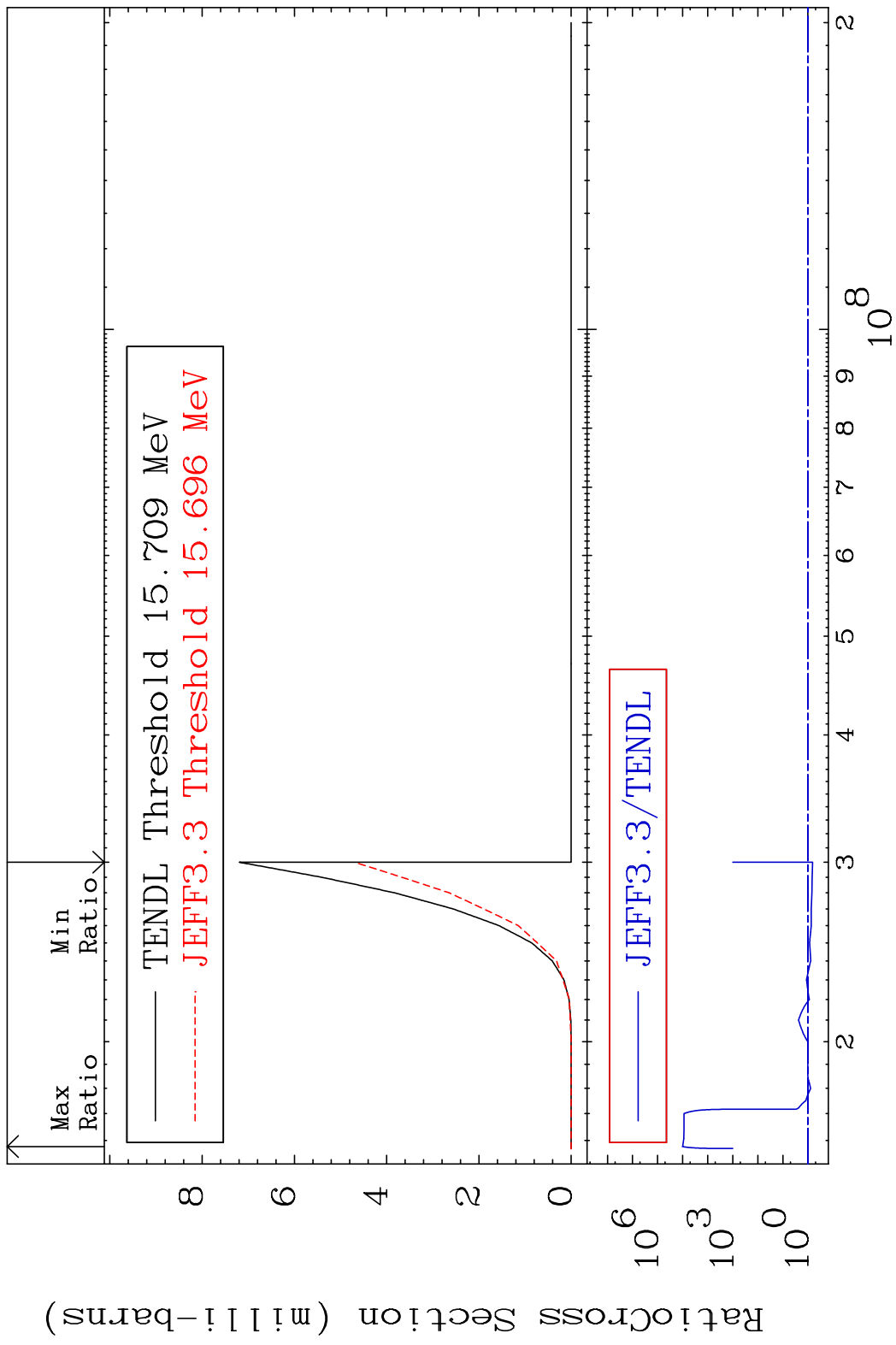


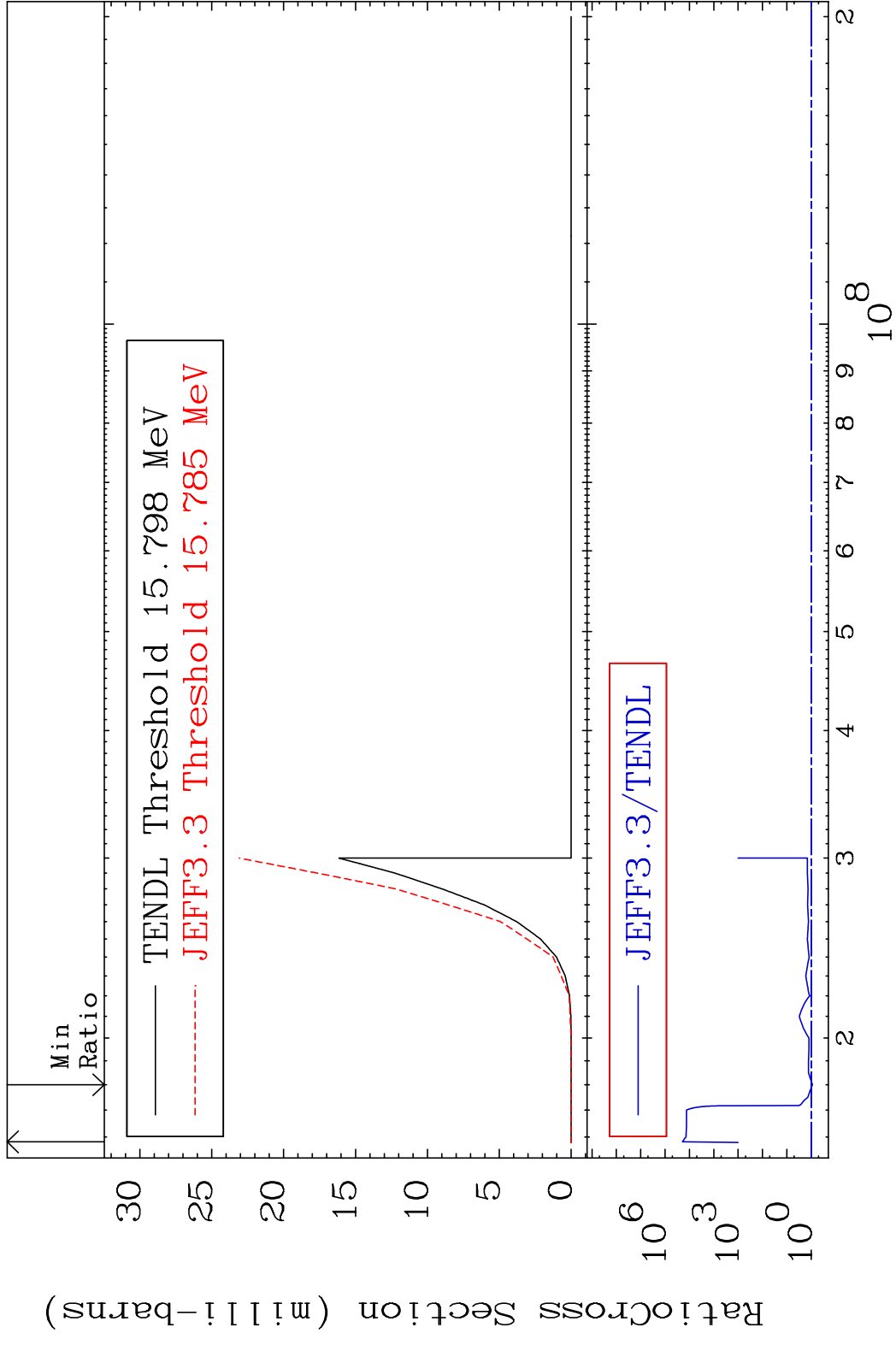




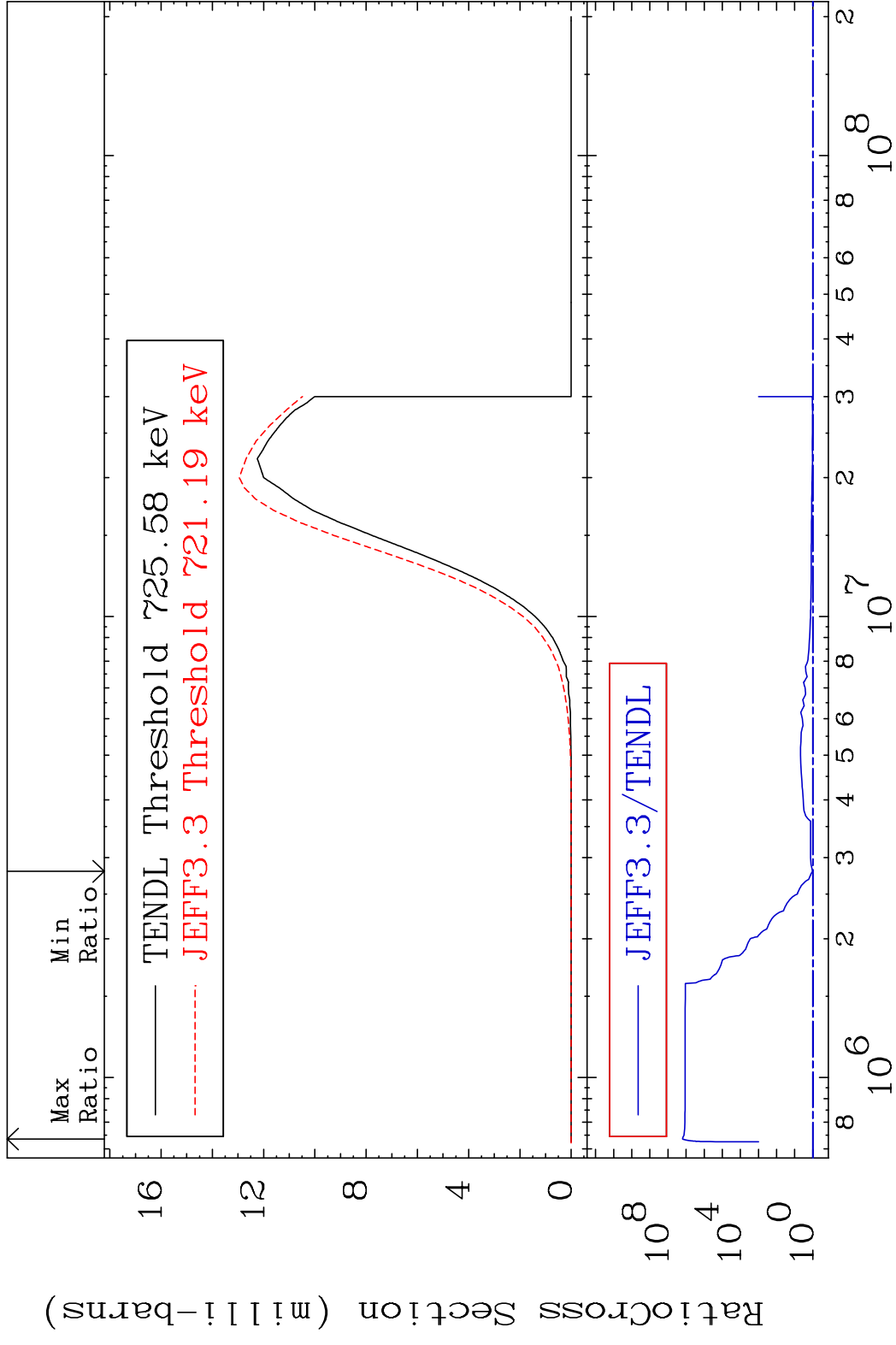




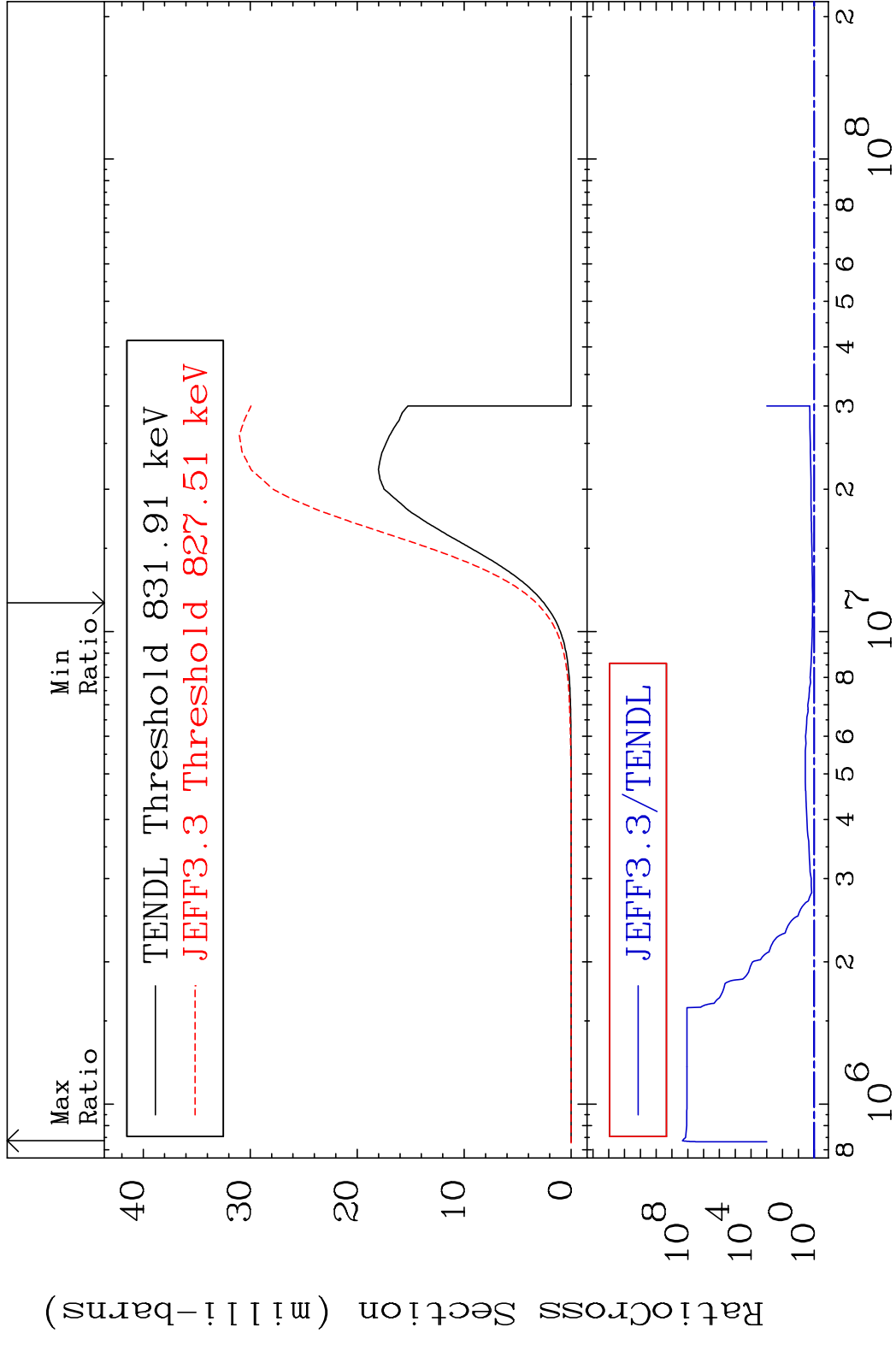


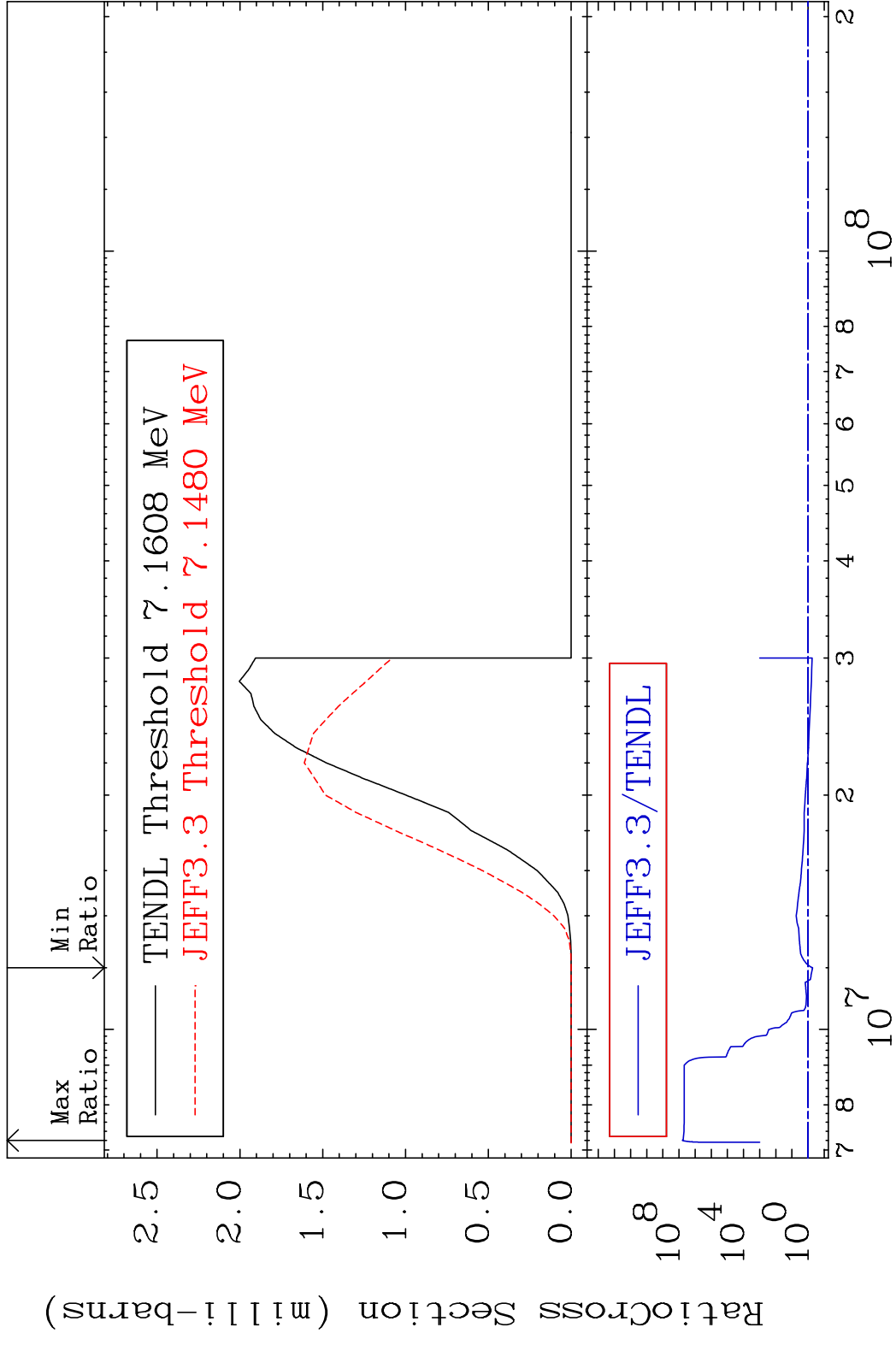


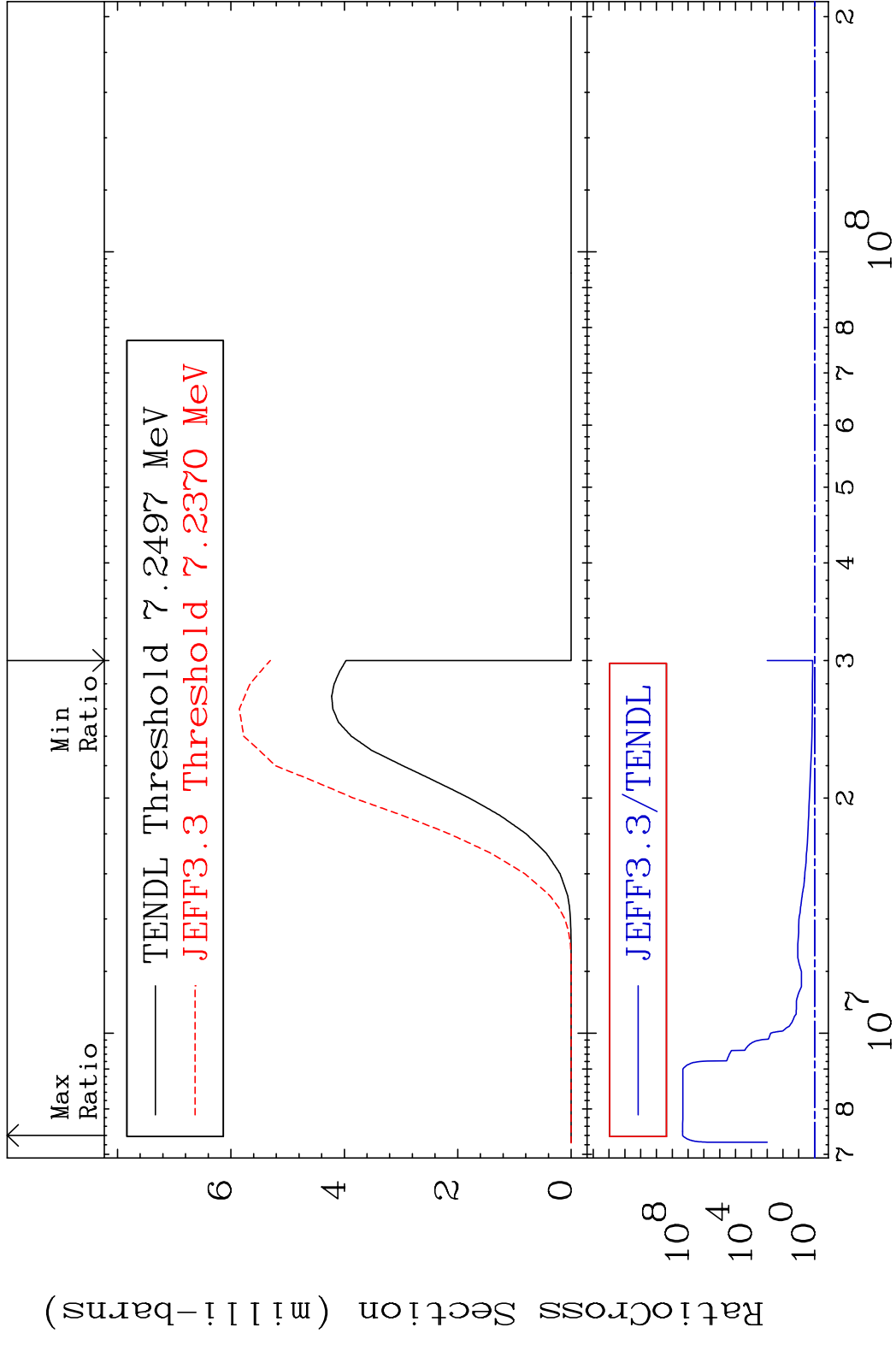
MAT 5331 (n,p):52-Te-129 53-I -129
 Radionuclide Production Cross Section 9999. %



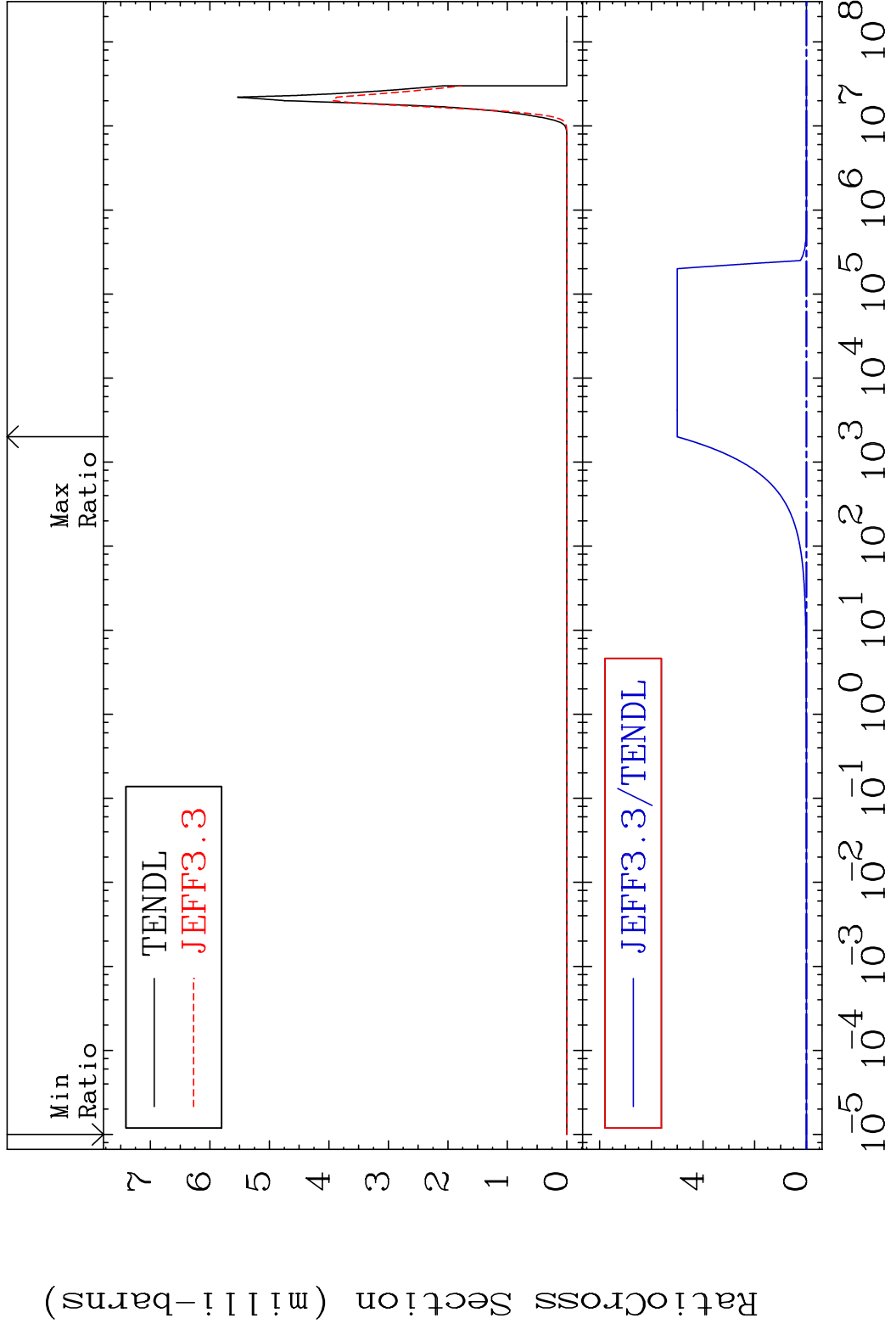
73 Incident Energy (eV) 53-I -129



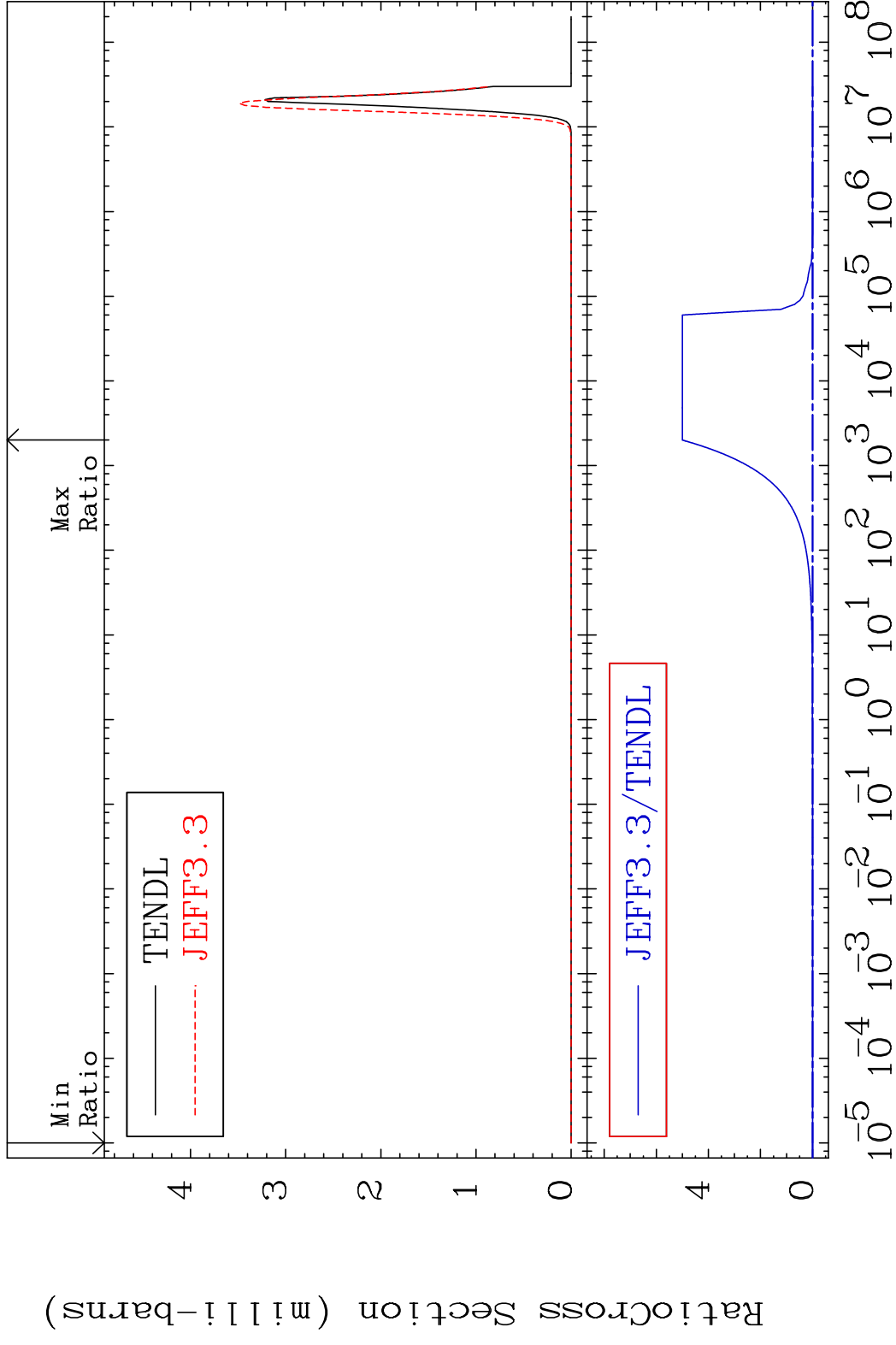




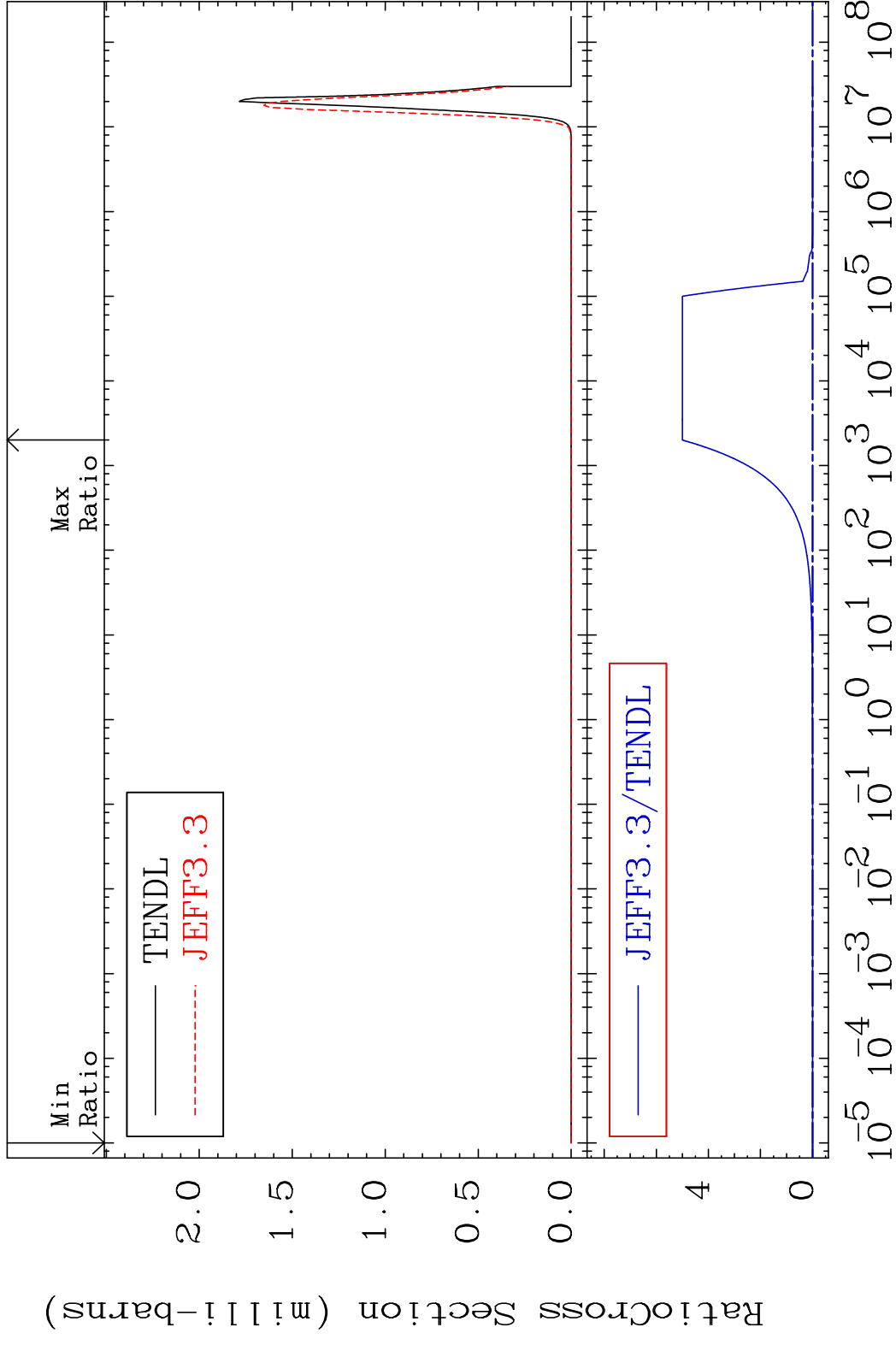
MAT 5331 (n,α):51-Sb-126g 53-I -129
 Radionuclide Production Cross Section Ratio

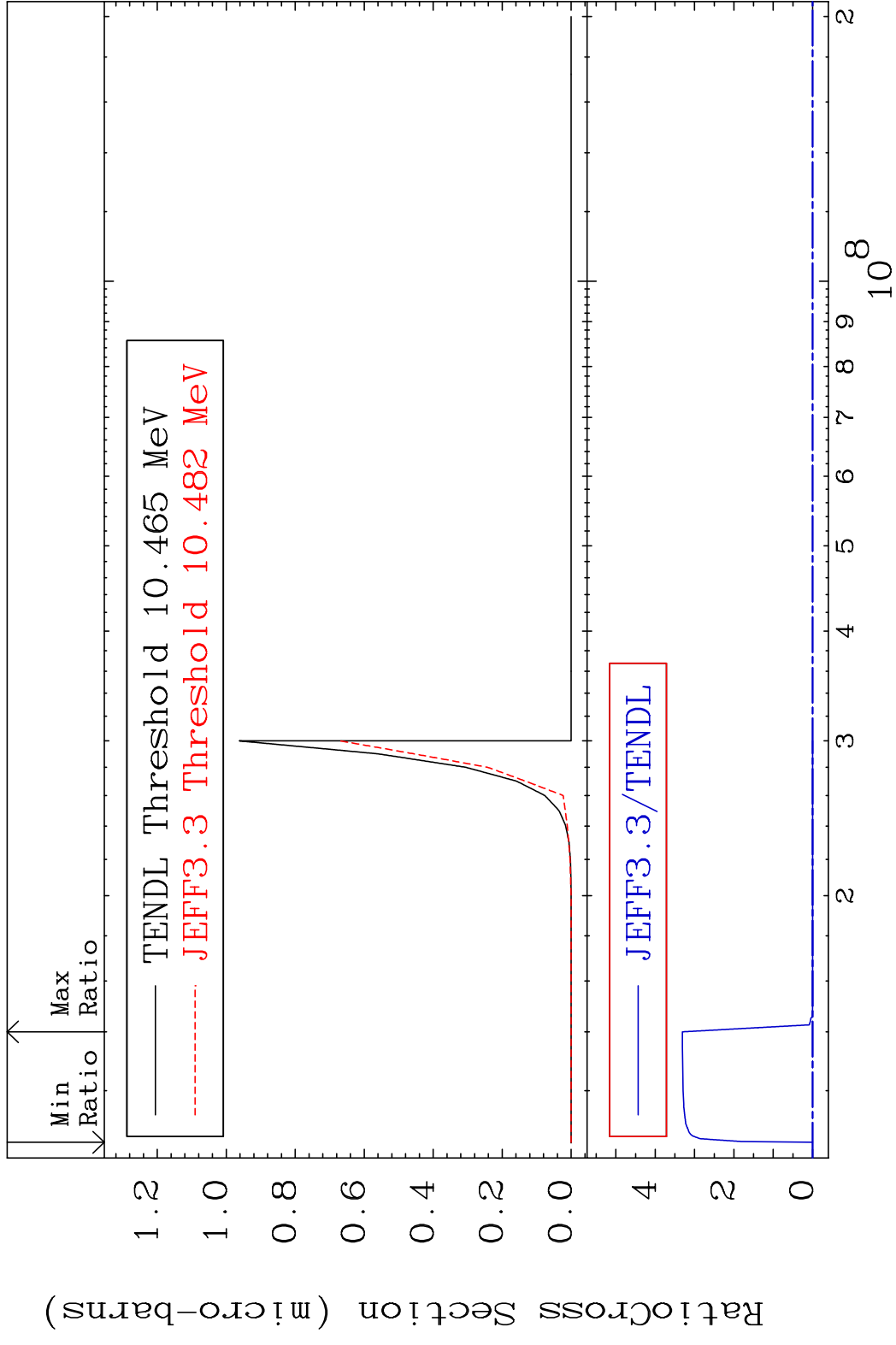


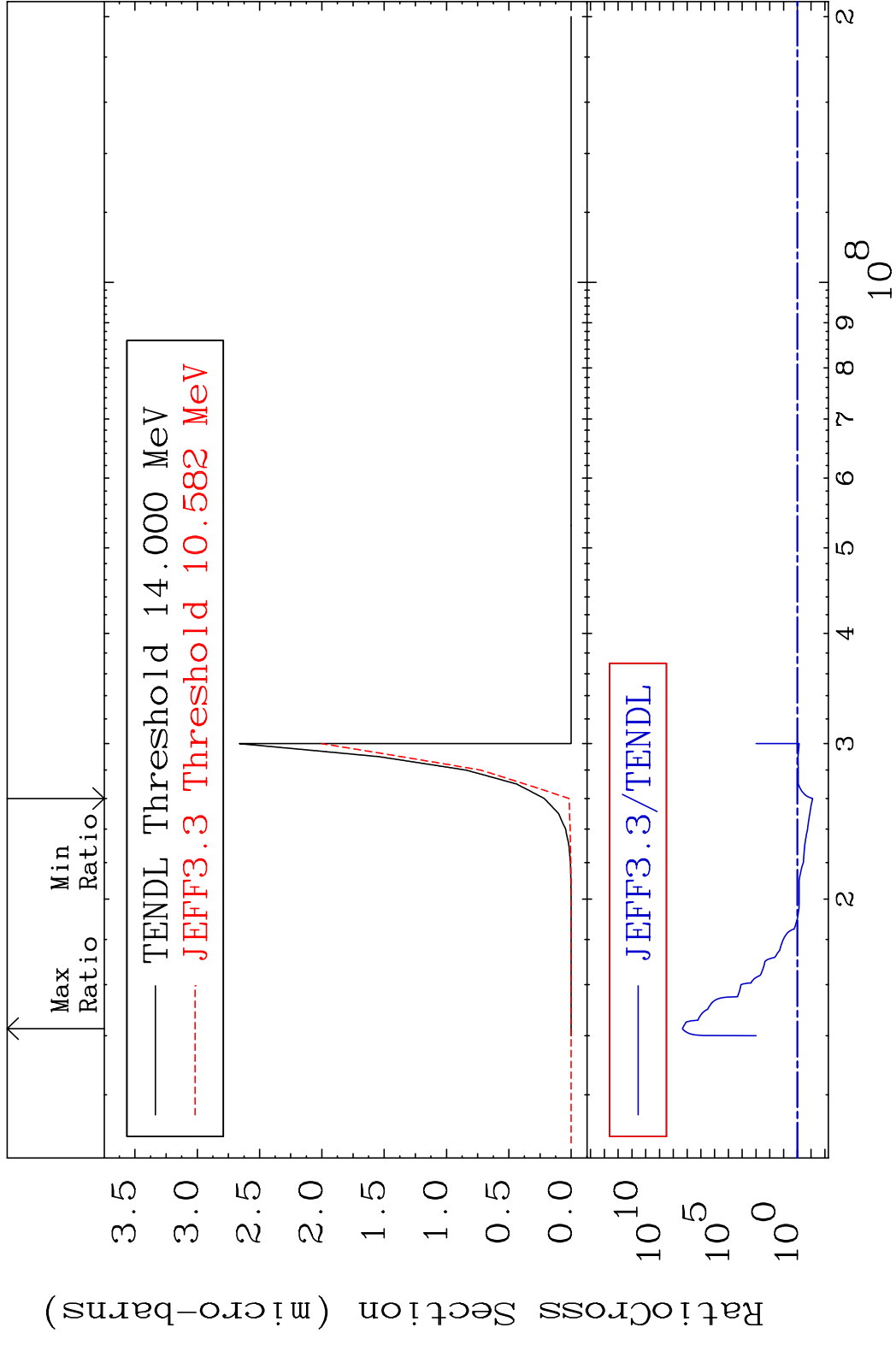
MAT 5331 (n, α):51-Sb-126m1 53-I -129
 Radionuclide Production Cross Section Ratio 9999. %



MAT 5331 (n, α):51-Sb-126m2 53-I -129
 Radionuclide Production Cross Section to 9999. %







MAT 5331 (n,p) α :50-Sn-125g 53-I -129
 Radionuclide Production Cross Section Ratio 9999. %

