

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

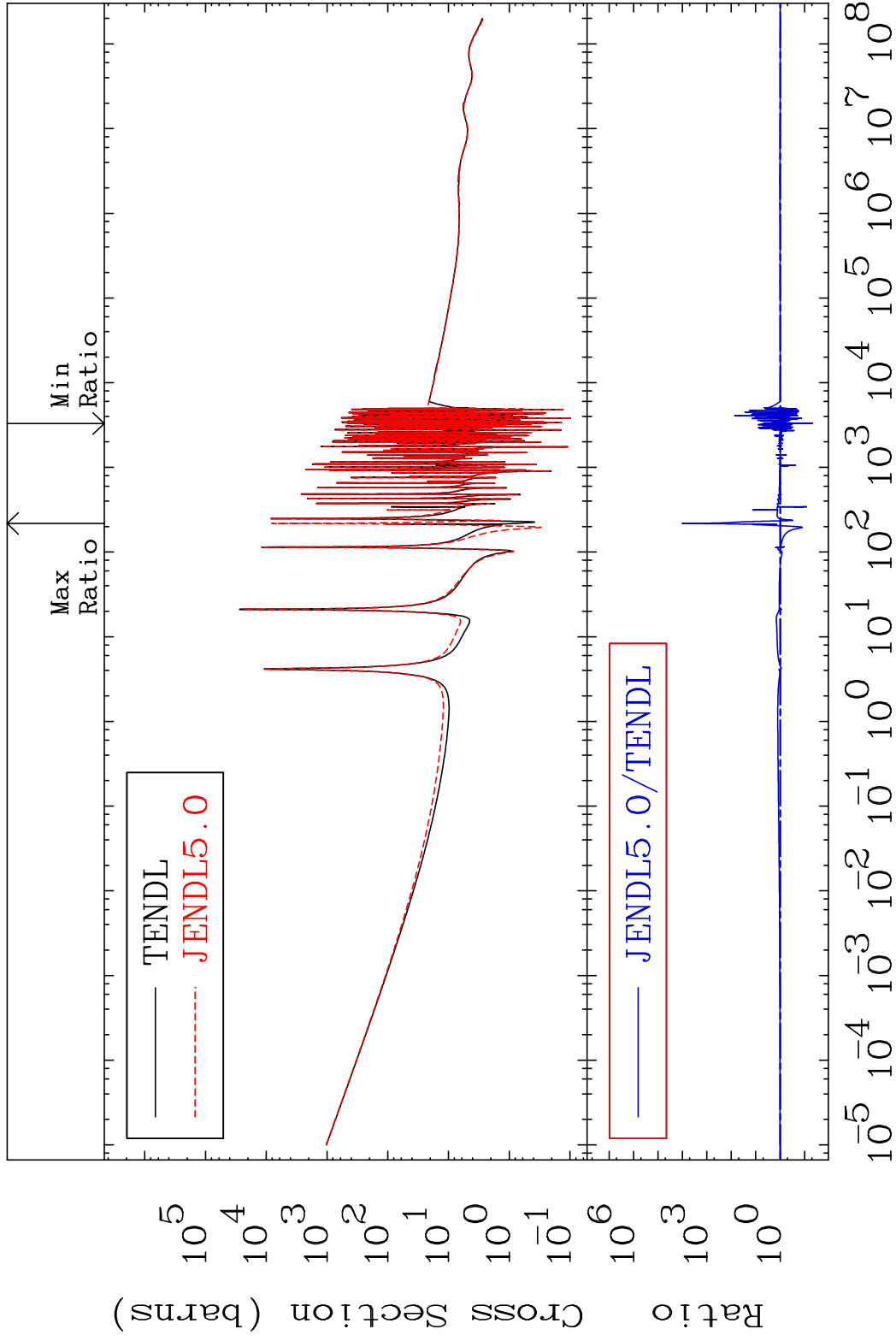
Press Mouse Button to Start

MAT 7431

Total

74-W -182

Cross Section -95.30 To 9999. %



1

Incident Energy (eV)

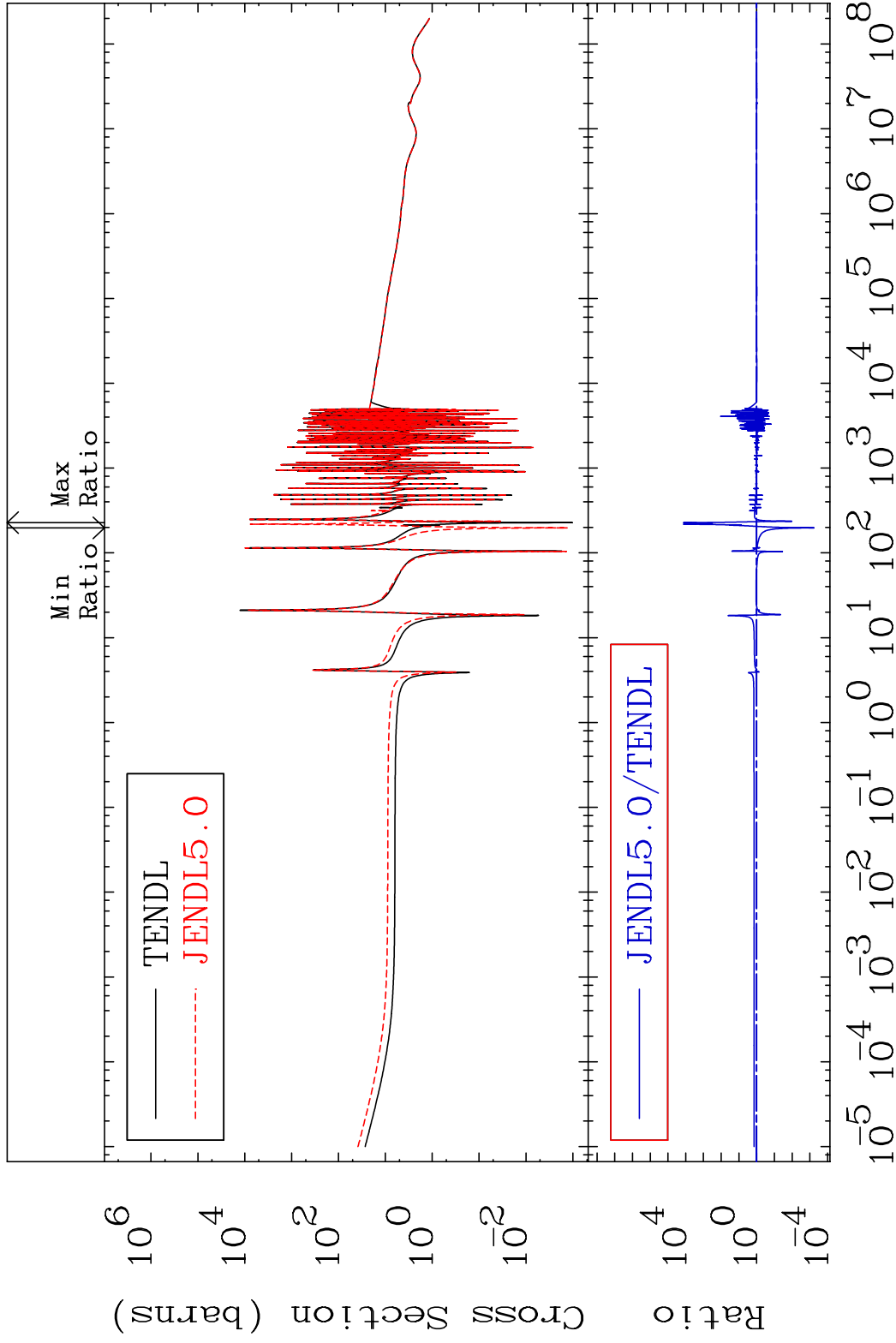
74-W -182

MAT 7431

Elastic

74-W -182

Cross Section -99.94 To 9999. %



2

Incident Energy (eV)

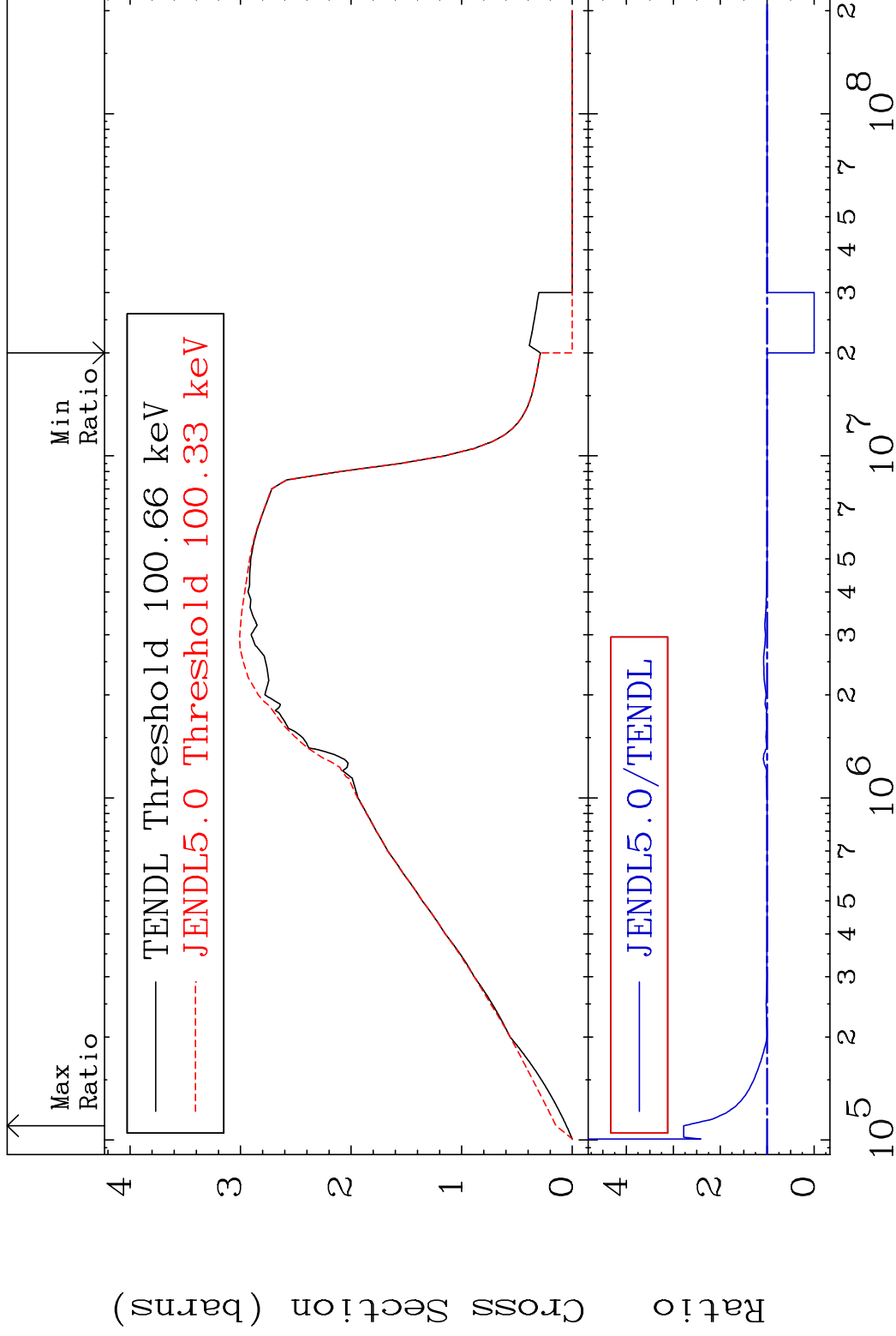
74-W -182

MAT 7431

Inelastic

74-W -182

Cross Section -100.0 To 177.9 %



3

Incident Energy (eV)

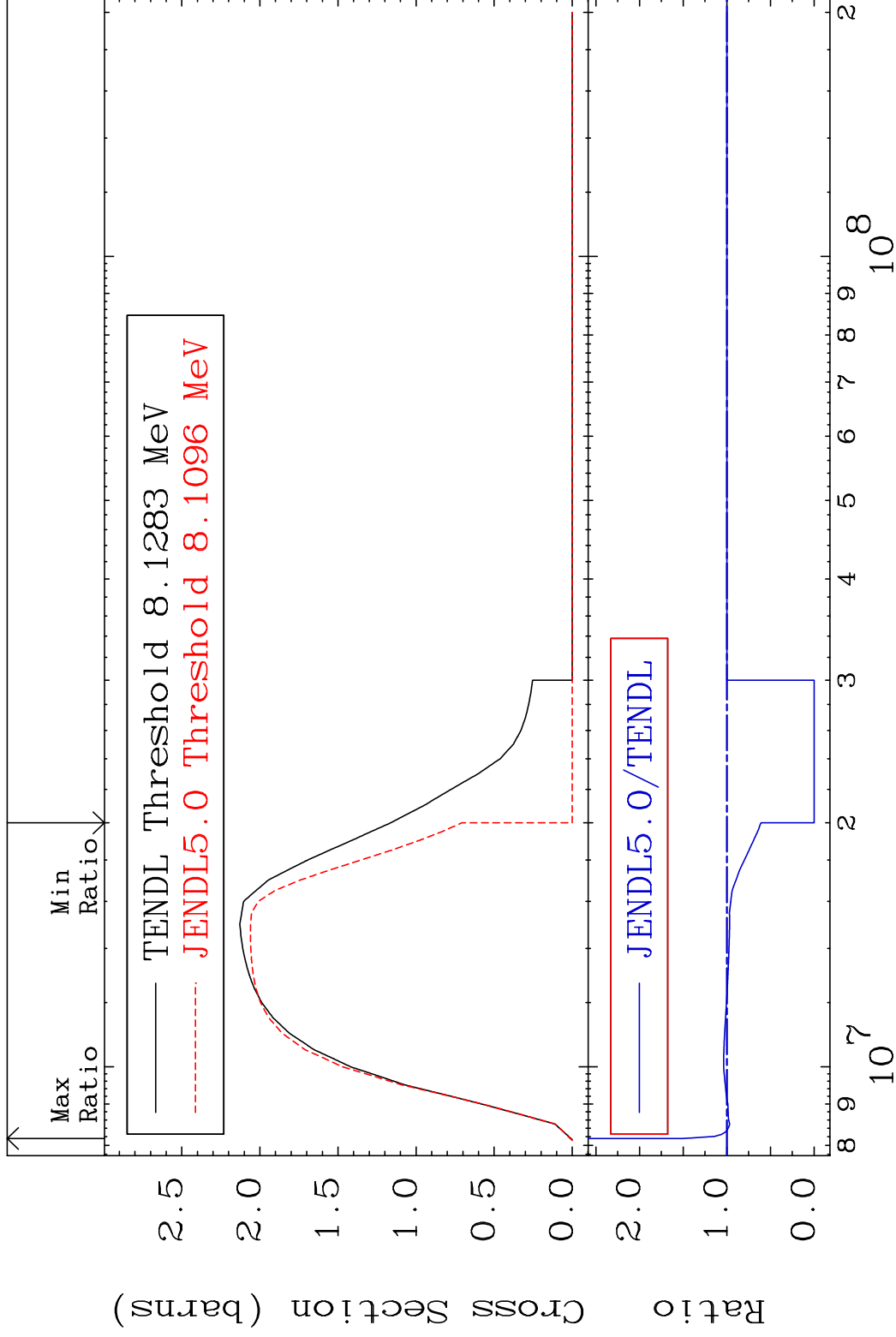
74-W -182

MAT 7431

(n,2n)

74-W -182

Cross Section -100.0 To 49.50 %



5

Incident Energy (eV)

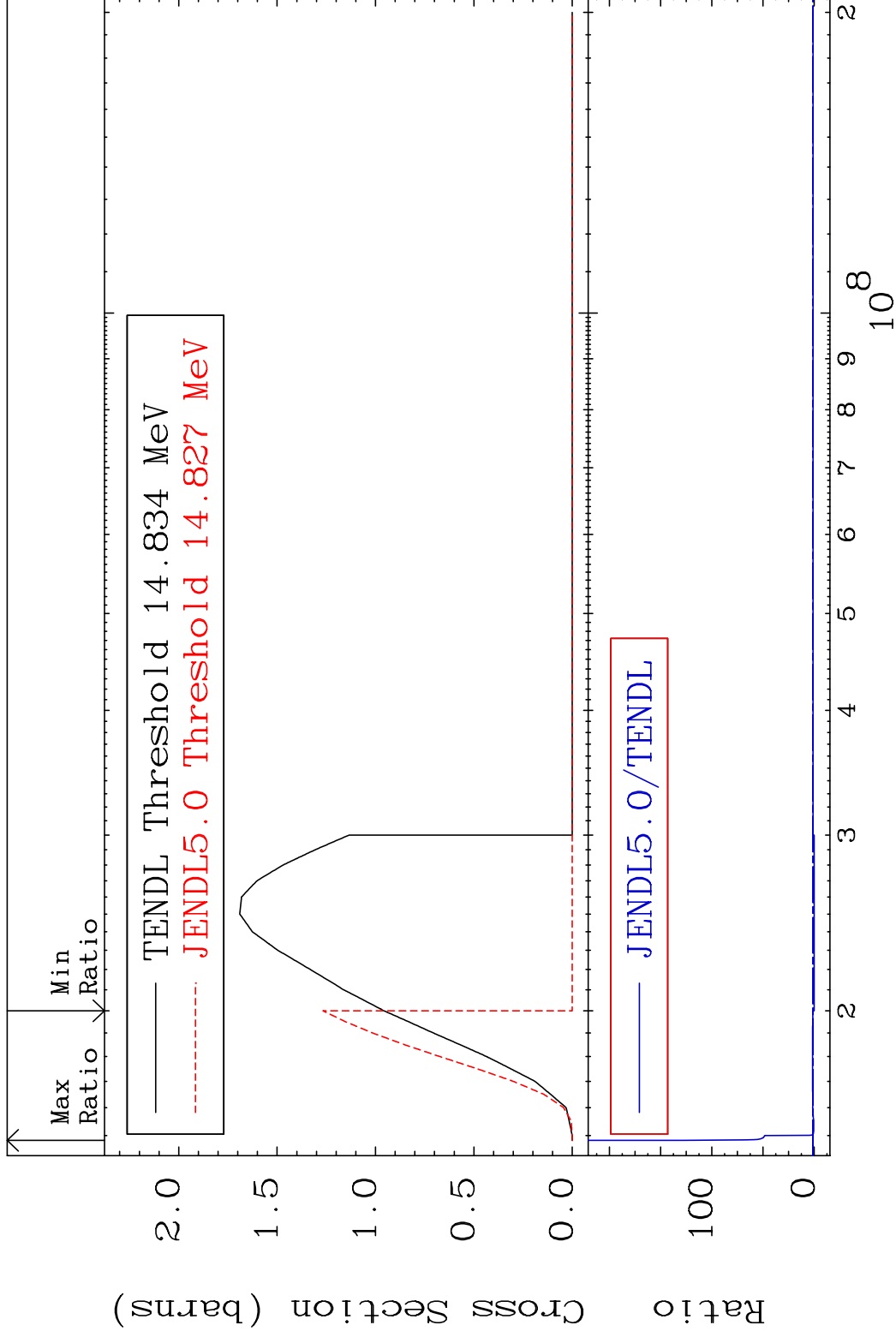
74-W -182

MAT 7431

(n,3n)

74-W -182

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

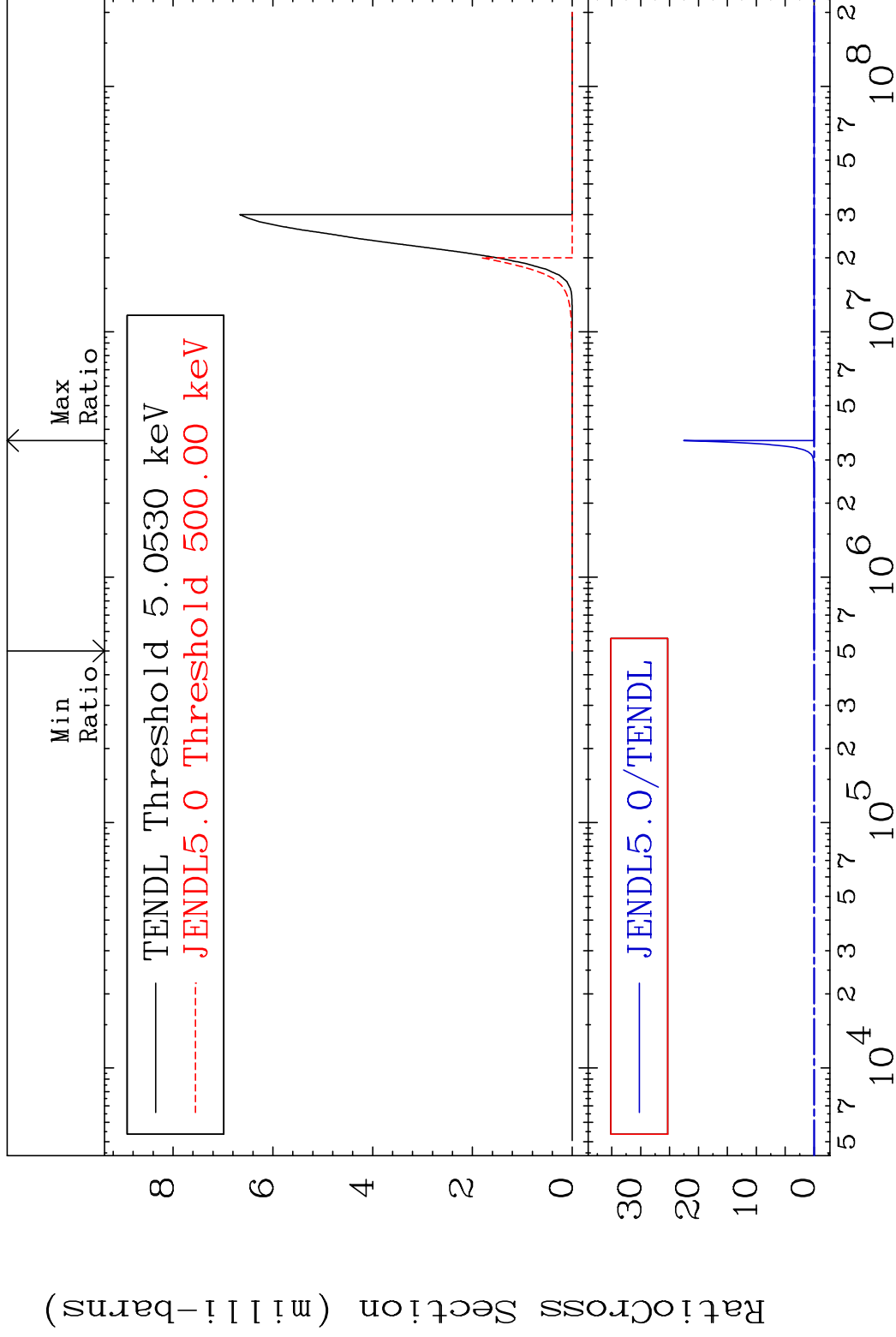
74-W -182

MAT 7431

(n, n') α

74-W -182

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

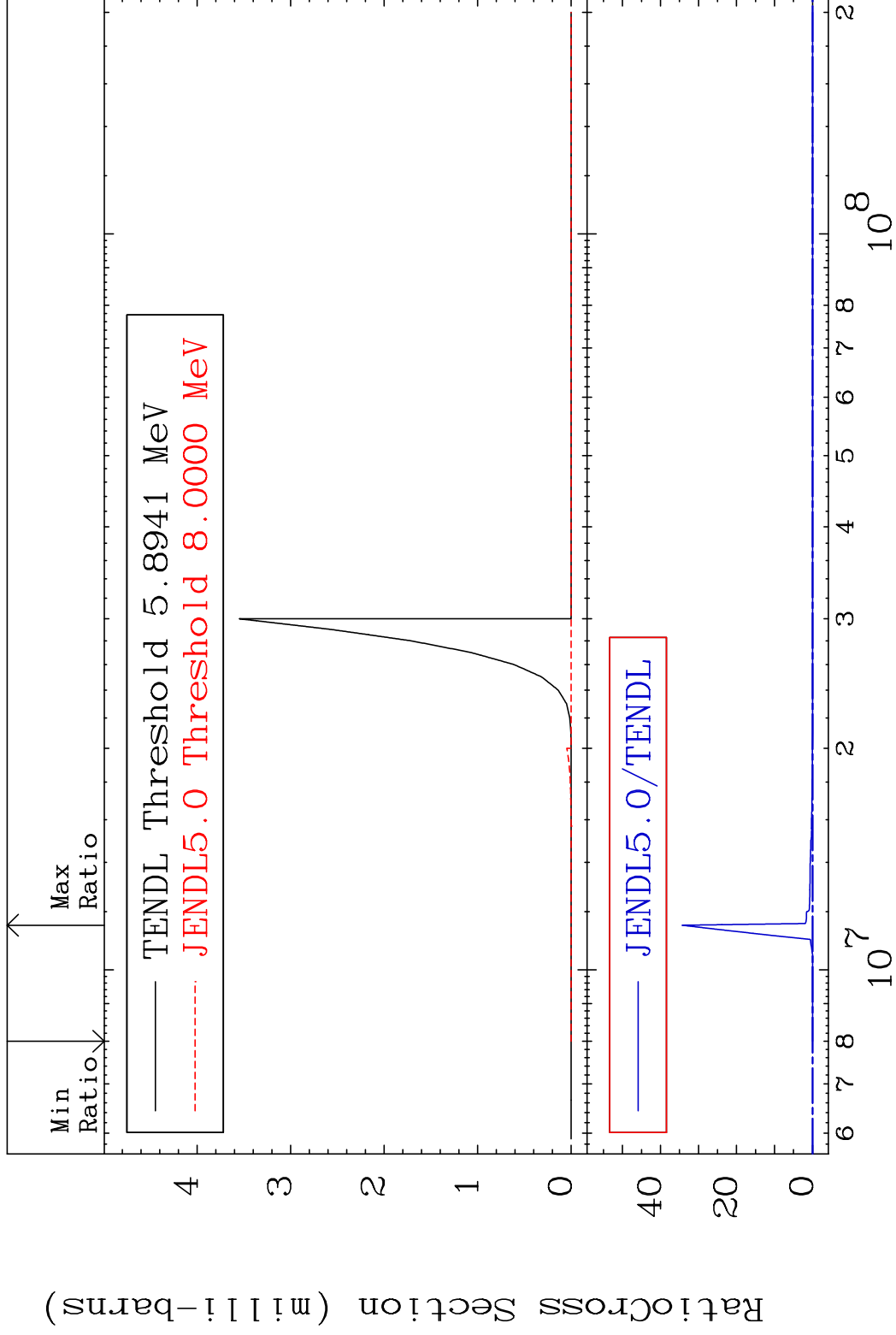
74-W -182

MAT 7431

(n,2n) α

74-W -182

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

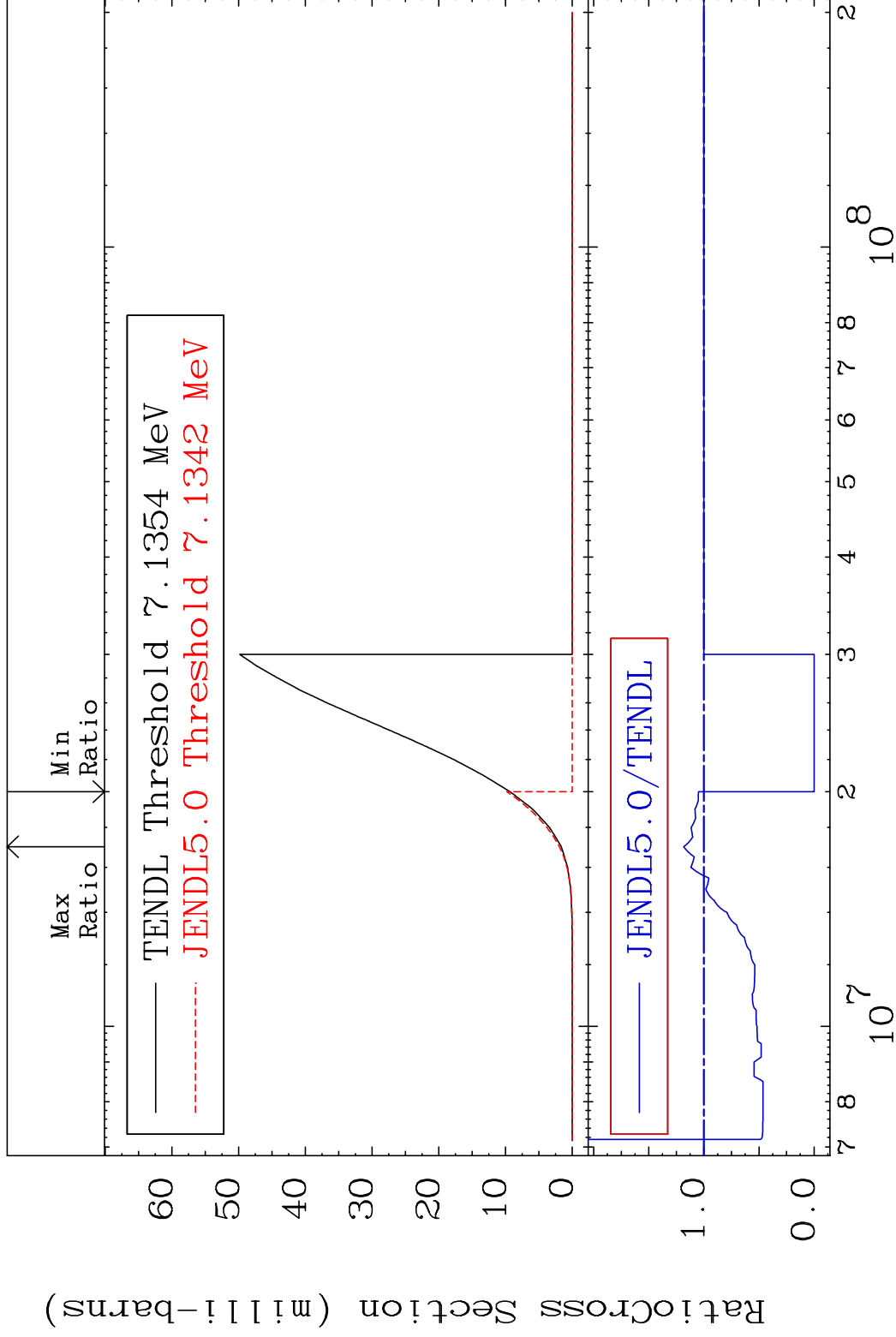
74-W -182

MAT 7431

(n, n') p

74-W -182

Cross Section -100.0 To 18.35 %



9

Incident Energy (eV)

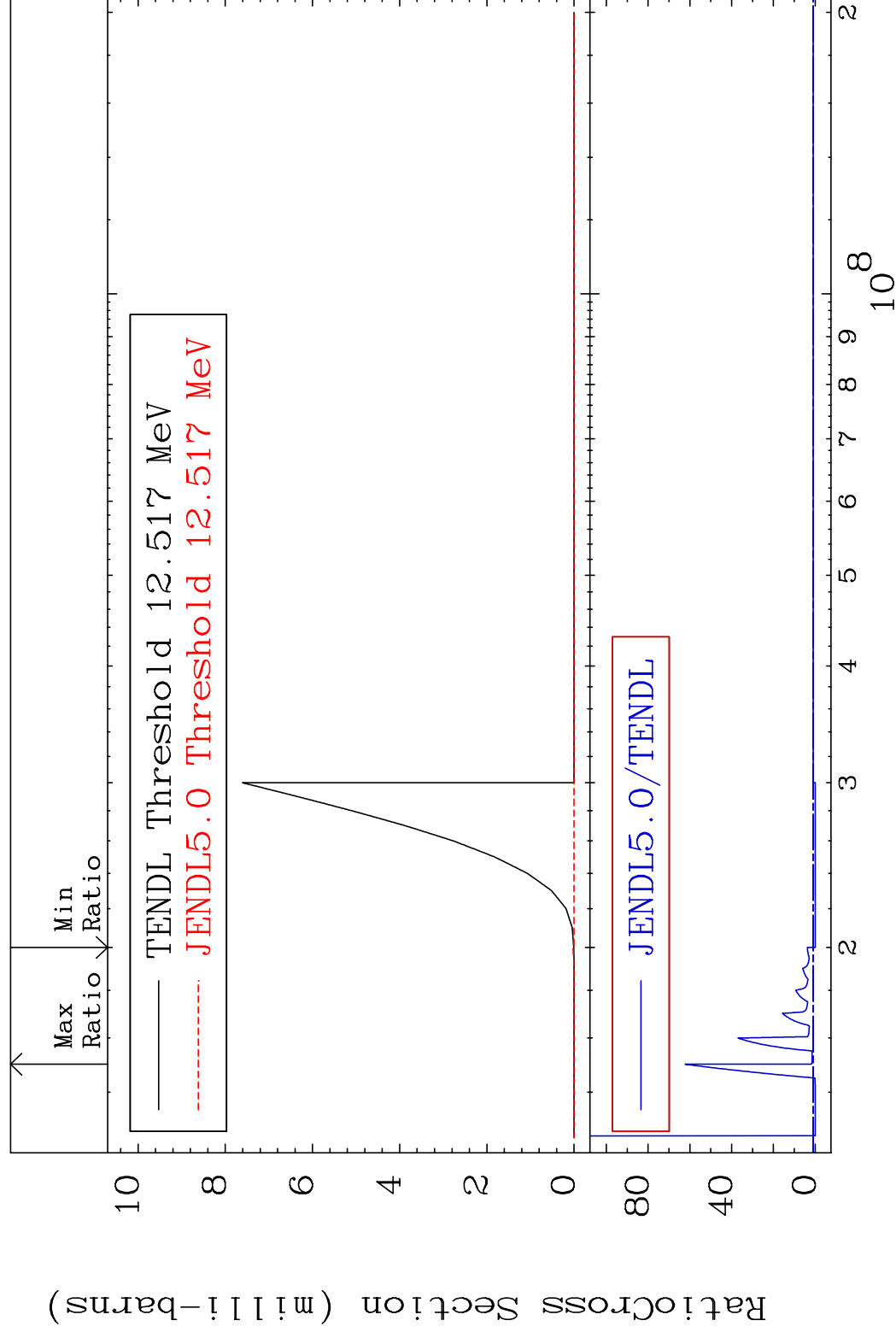
74-W -182

MAT 7431

(n, n') d

74-W -182

Cross Section -100.0 To 6126. %



10

Incident Energy (eV)

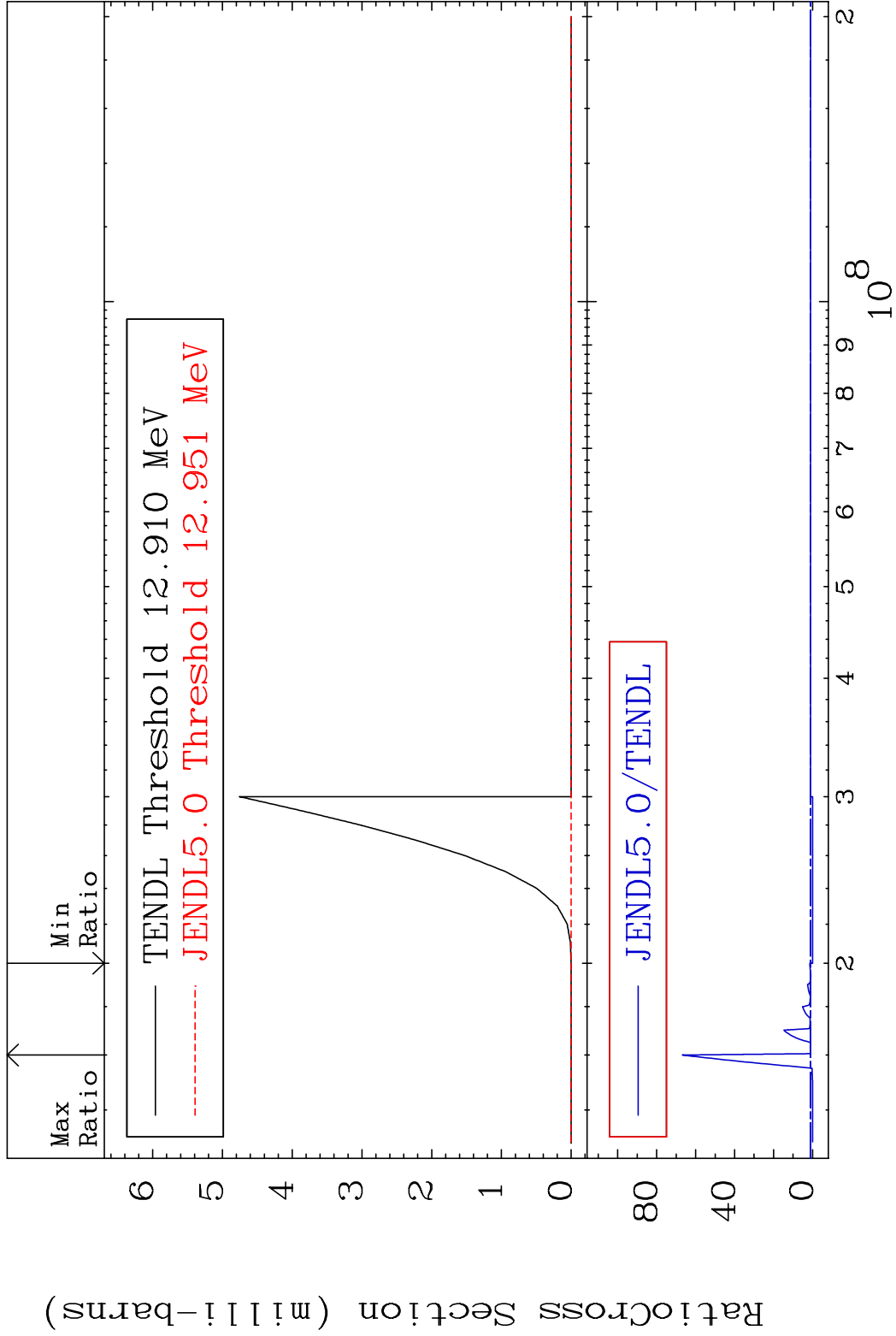
74-W -182

MAT 7431

(n, n') t

74-W -182

Cross Section -100.0 To 6581. %

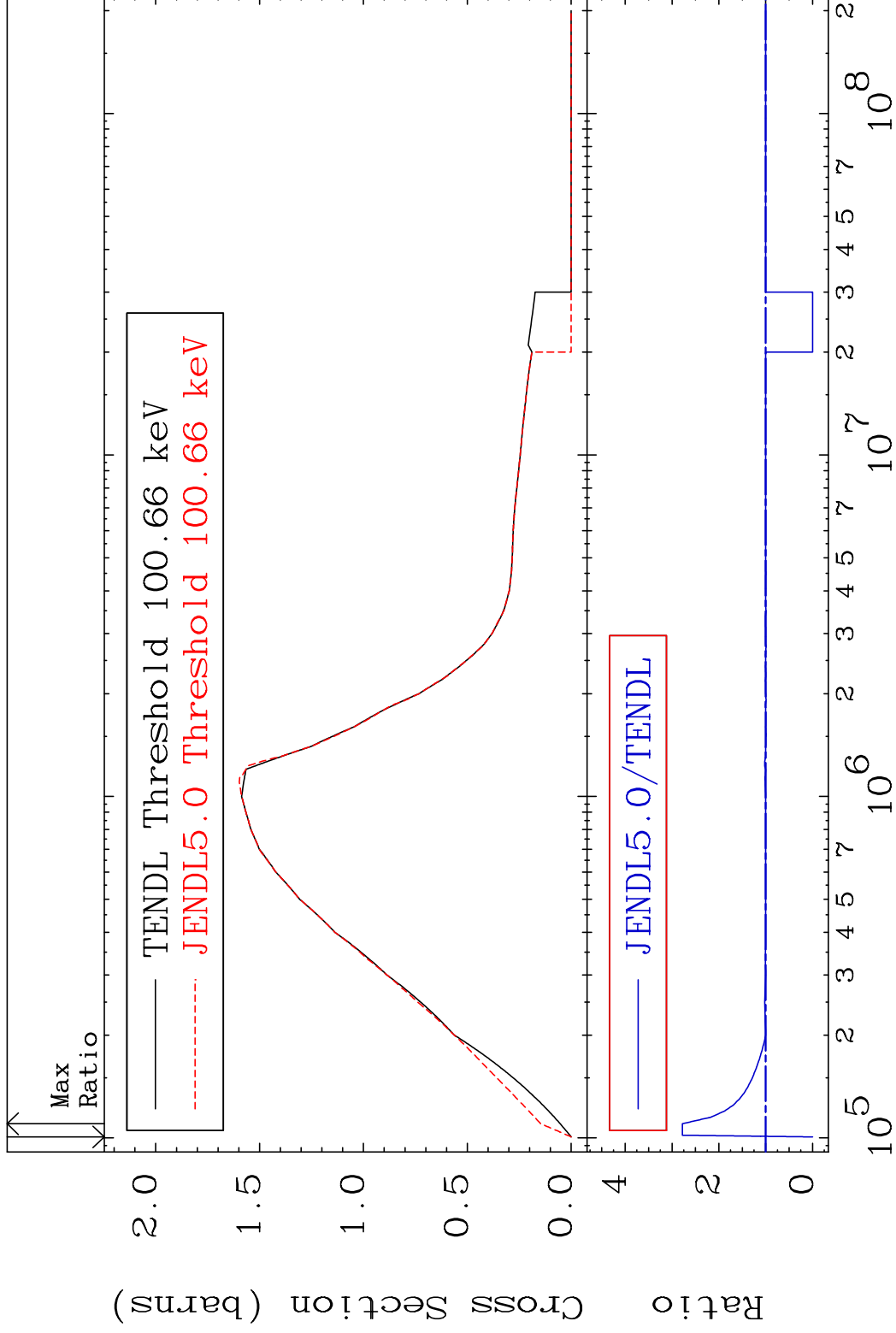


MAT 7431

MT= 51 (n, n') Level

74-W -182

Cross Section -100.0 To 177.9 %

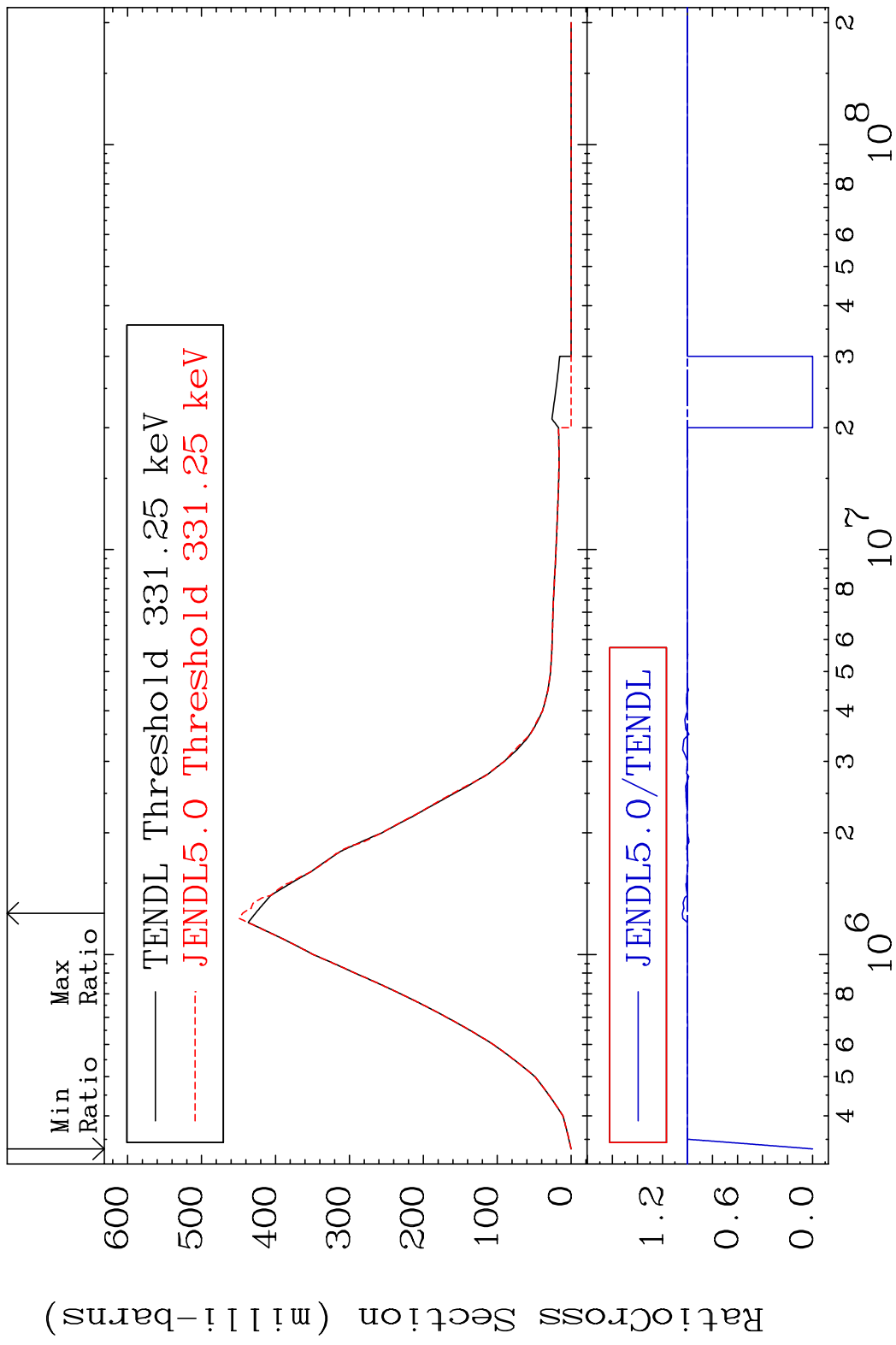


12

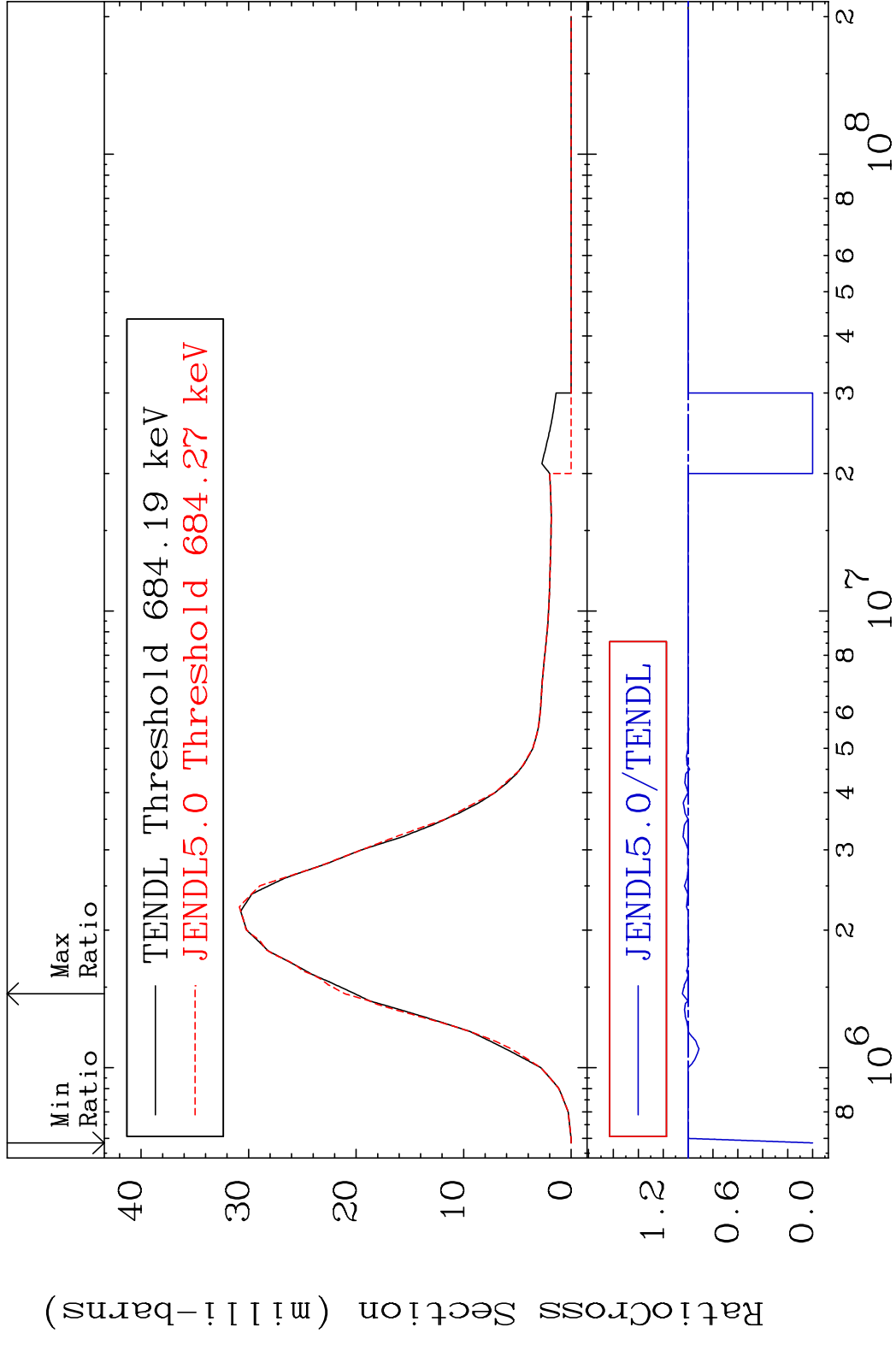
Incident Energy (eV)

74-W -182

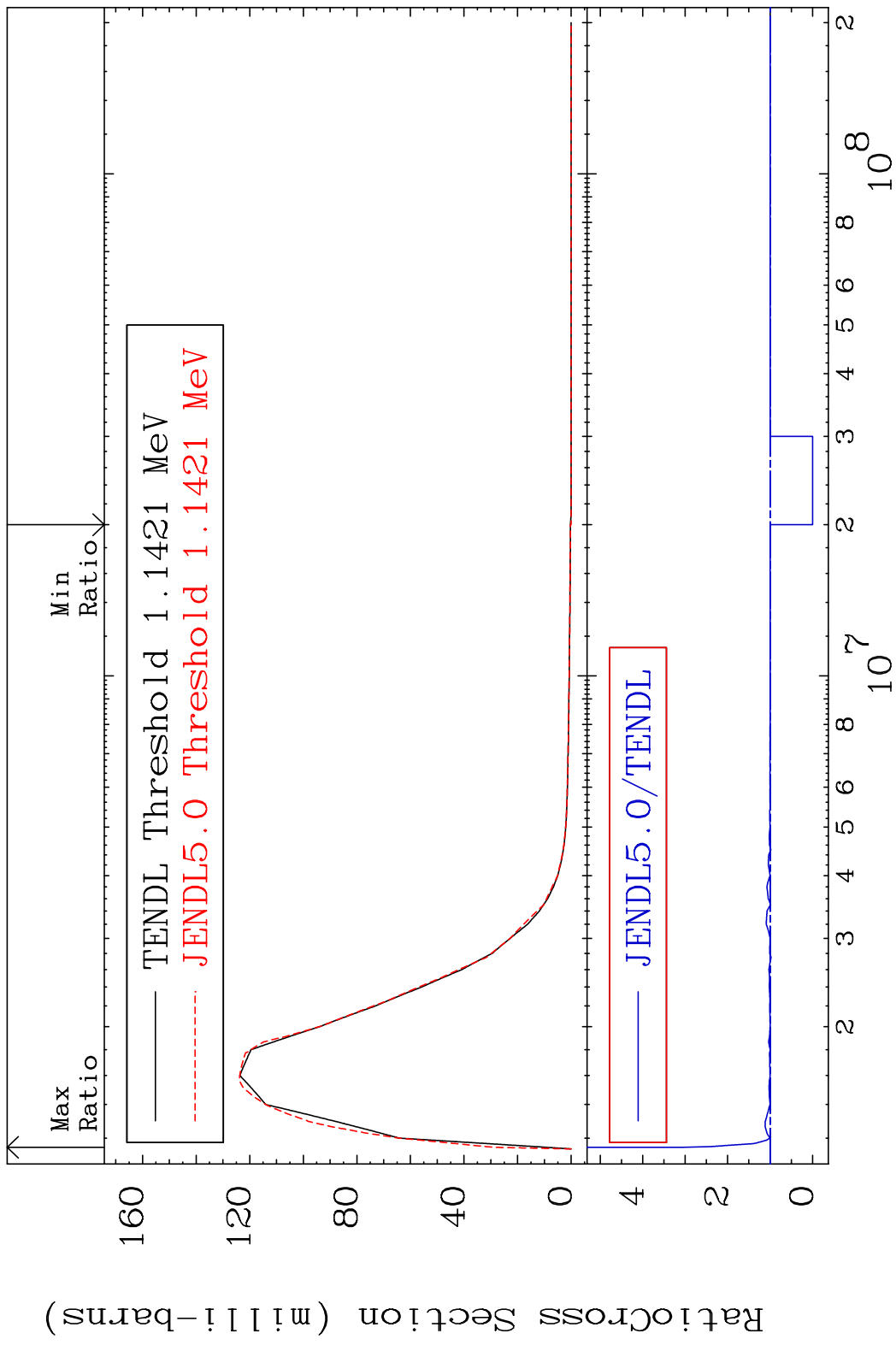
MAT 7431 MT= 52 (n,n') Level 74-W -182
 Cross Section -100.0 To 4.078 %



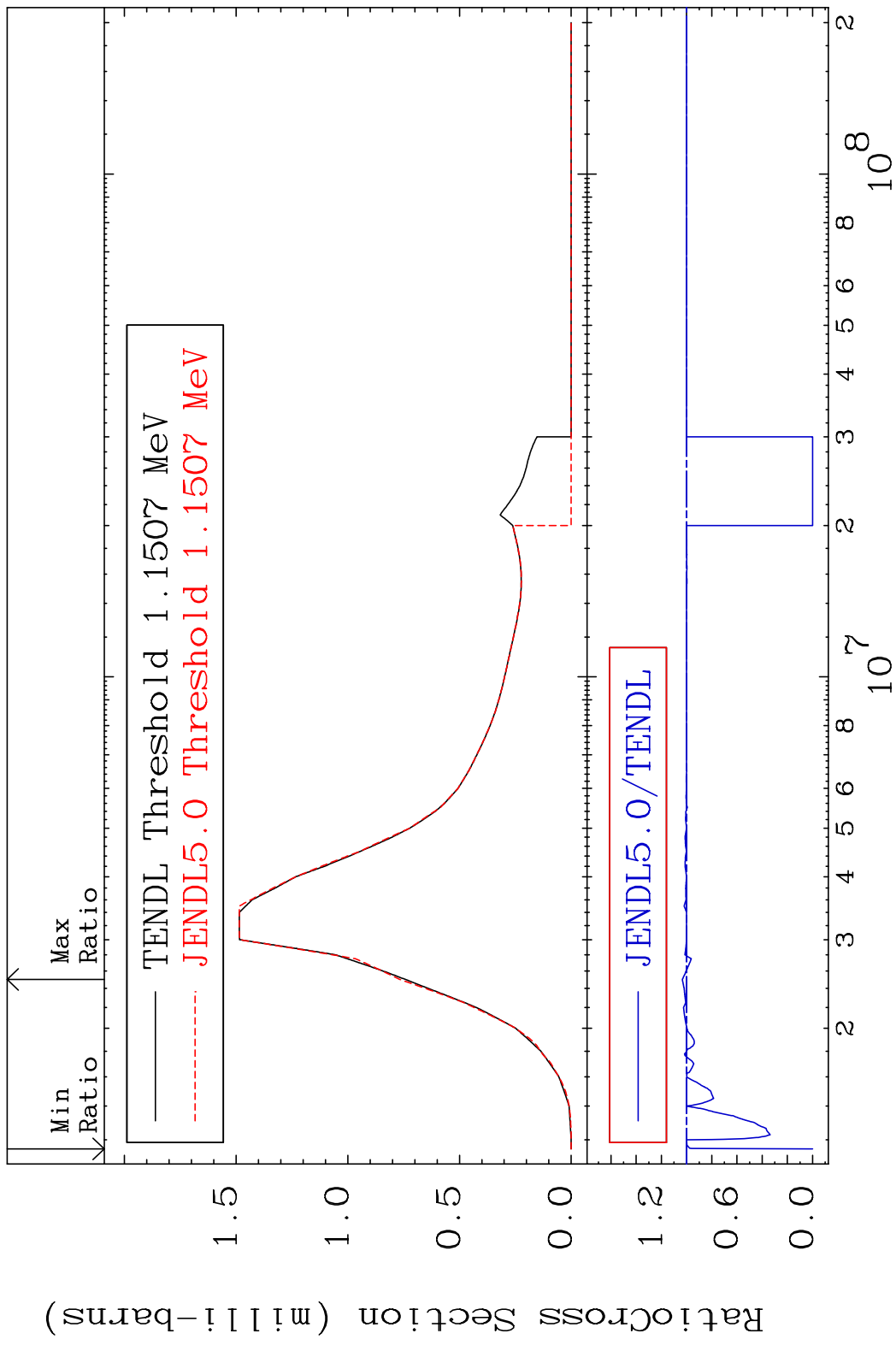
MAT 7431 MT= 53 (n, n') Level 74-W -182
 Cross Section -100.0 To 4.600 %



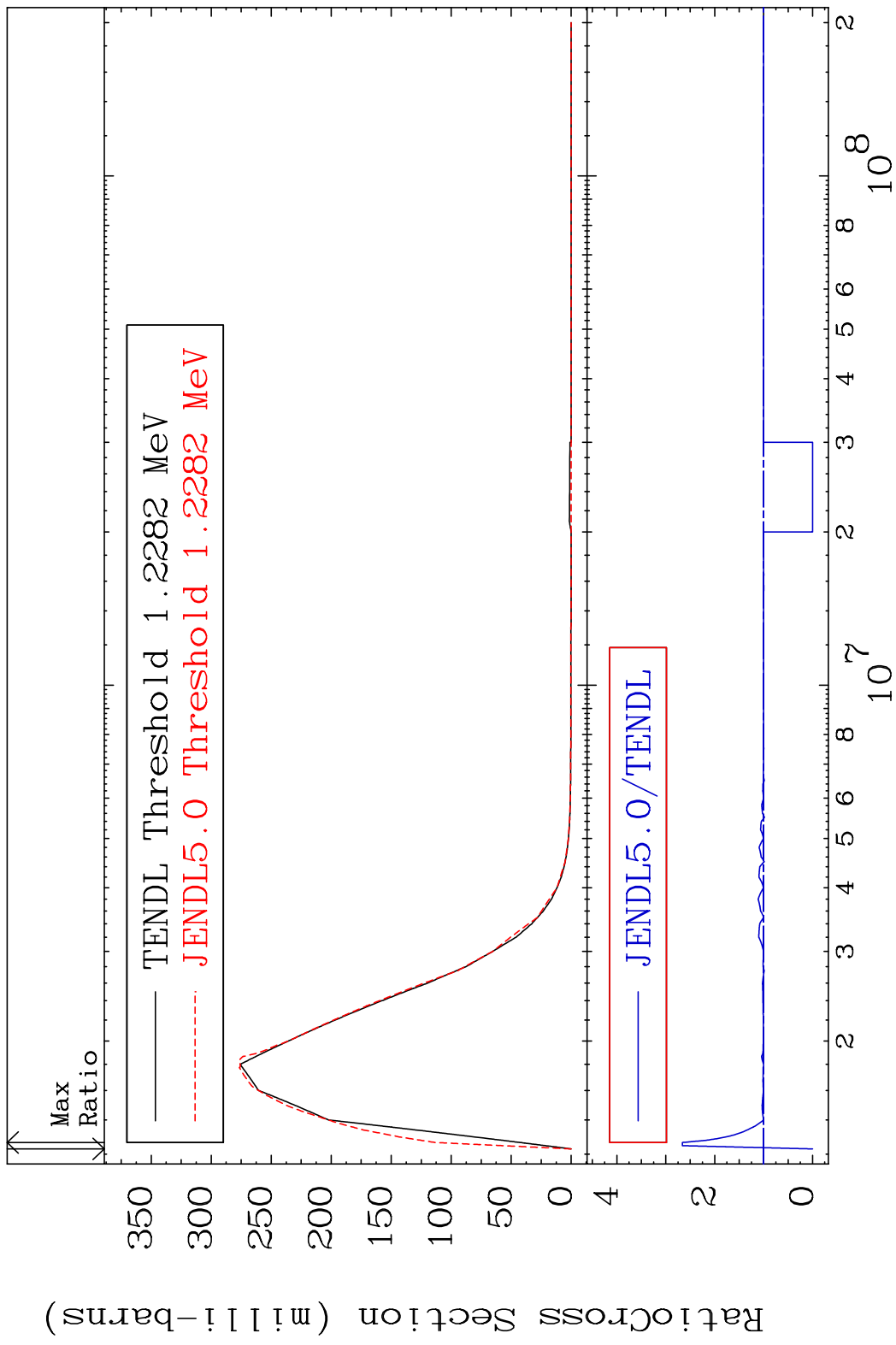
MAT 7431 MT= 54 (n, n') Level 74-W -182
 Cross Section -100.0 To 206.6 %



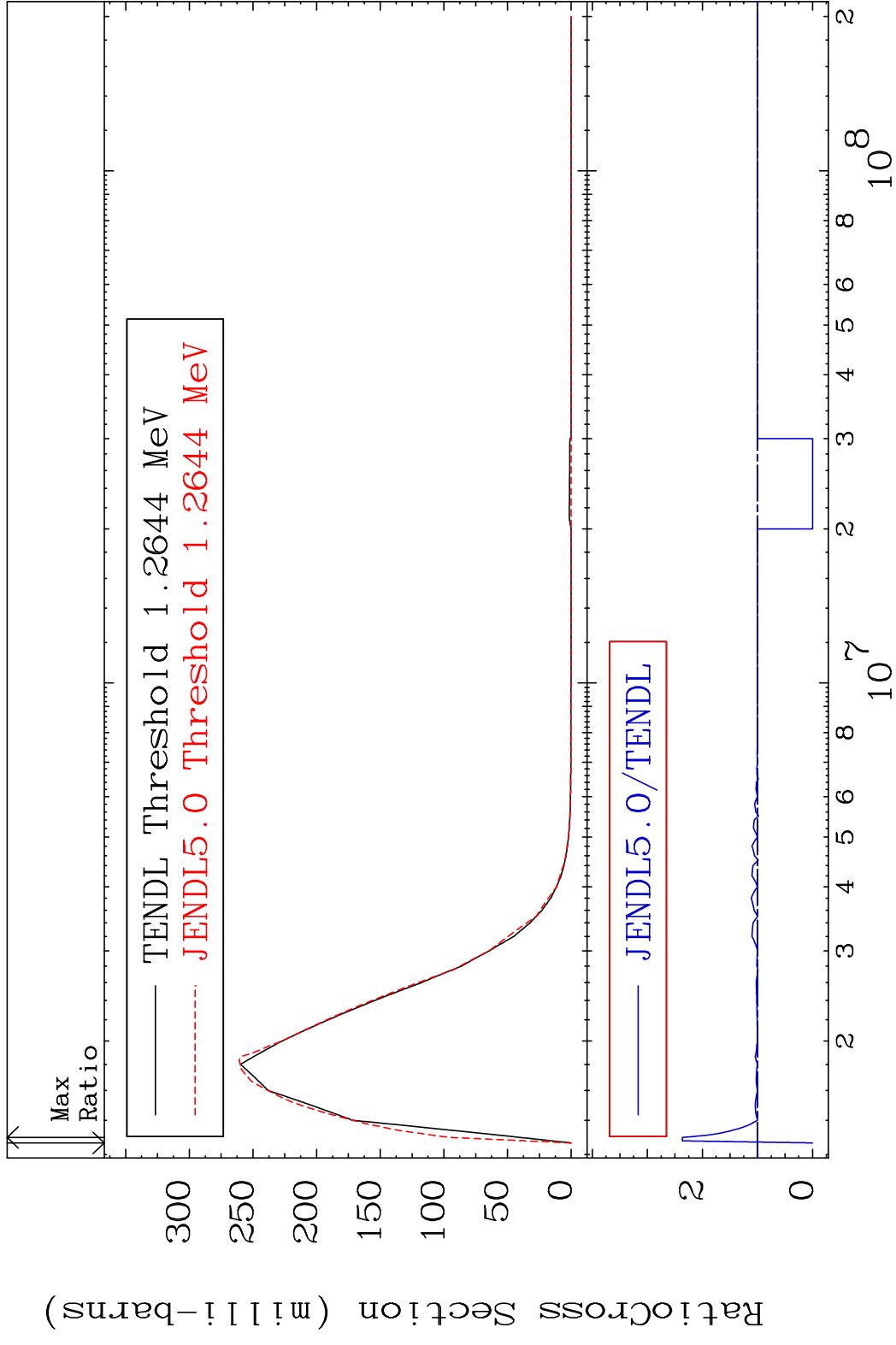
MAT 7431 MT= 55 (n,n') Level 74-W -182
 Cross Section -100.0 To 3.355 %



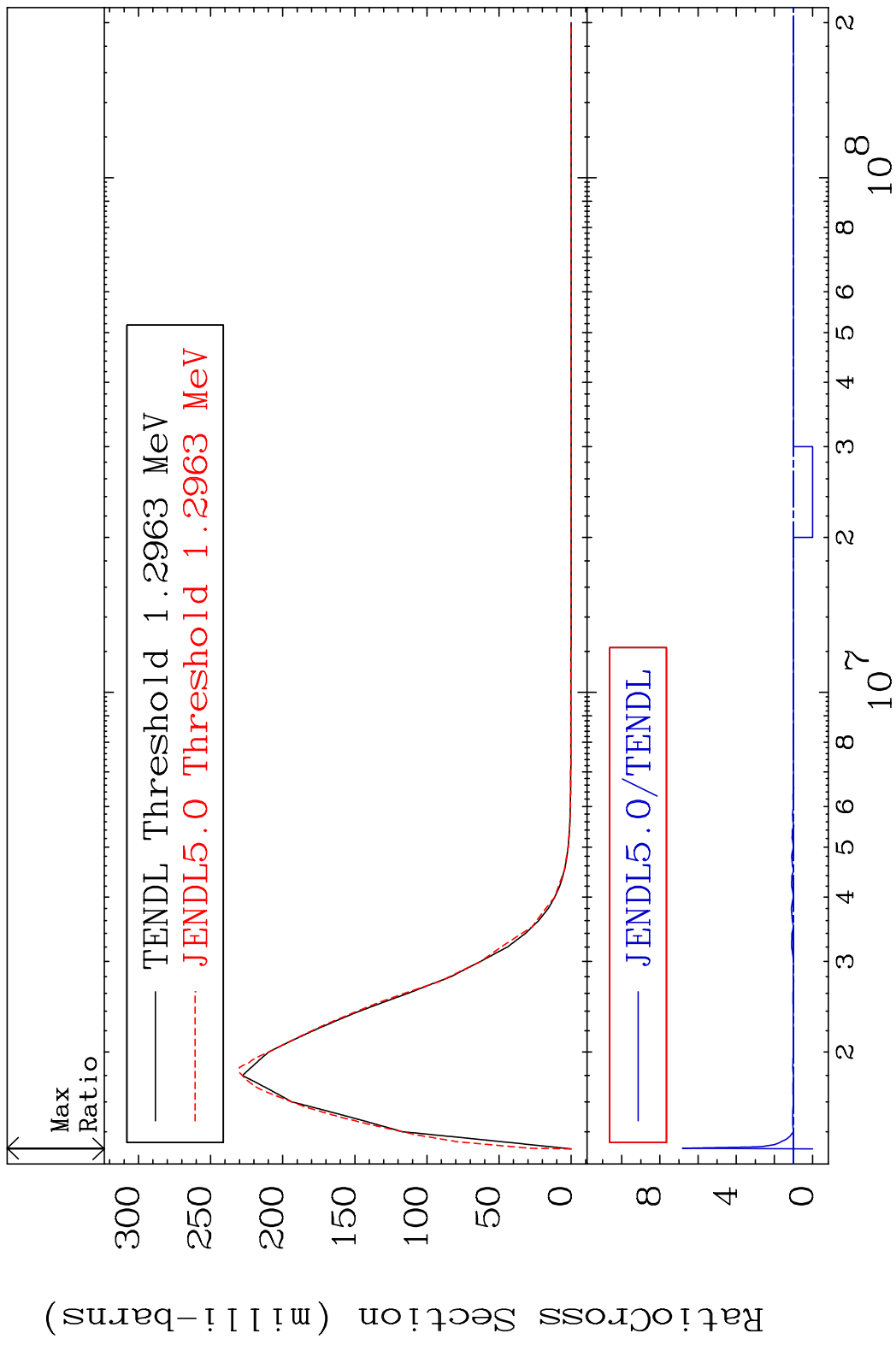
MAT 7431 MT= 56 (n,n') Level 74-W -182
 Cross Section -100.0 To 166.1 %



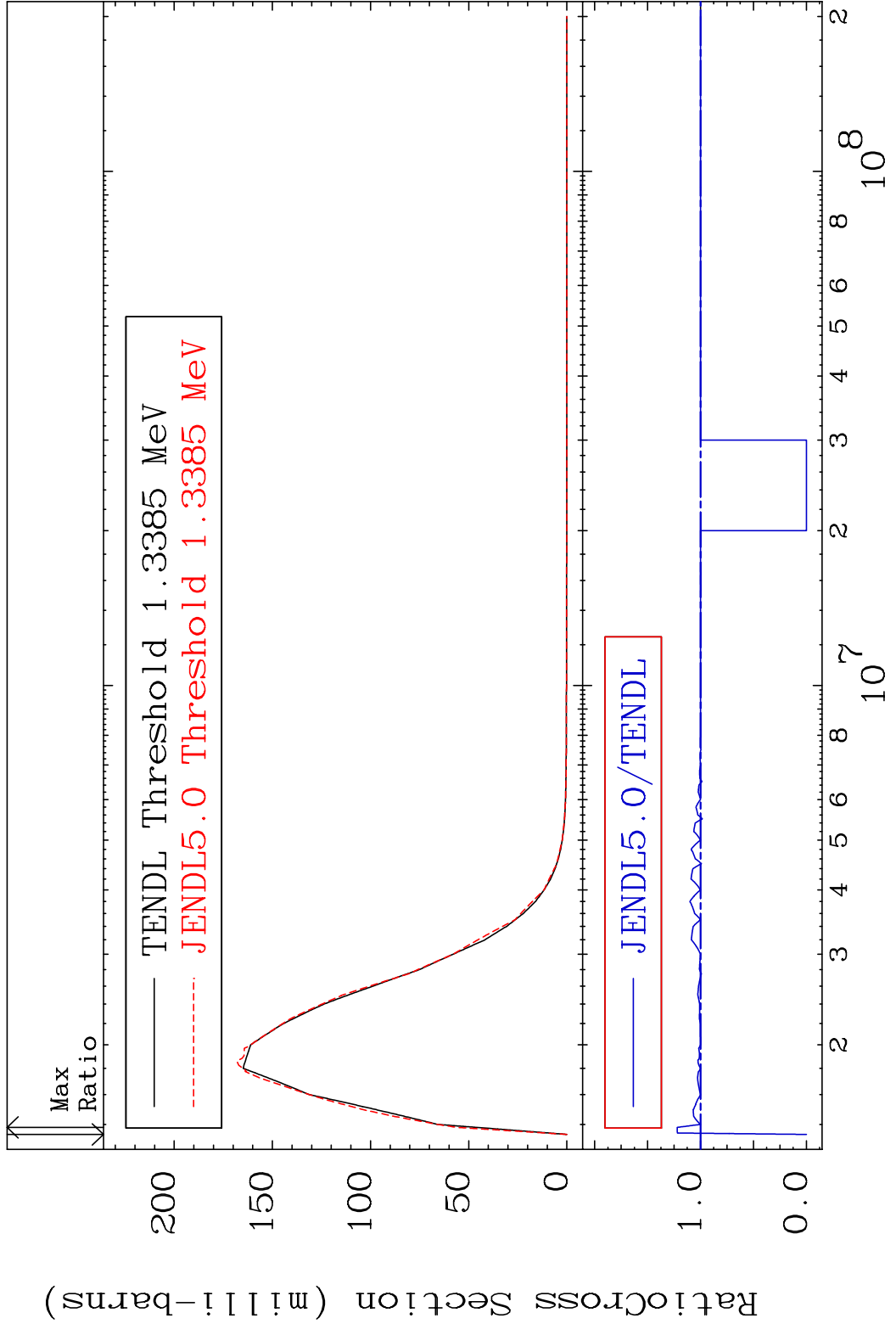
MAT 7431 MT= 57 (n, n') Level 74-W -182
 Cross Section -100.0 To 136.5 %



MAT 7431 MT= 58 (n, n') Level 74-W -182
 Cross Section -100.0 To 582.2 %

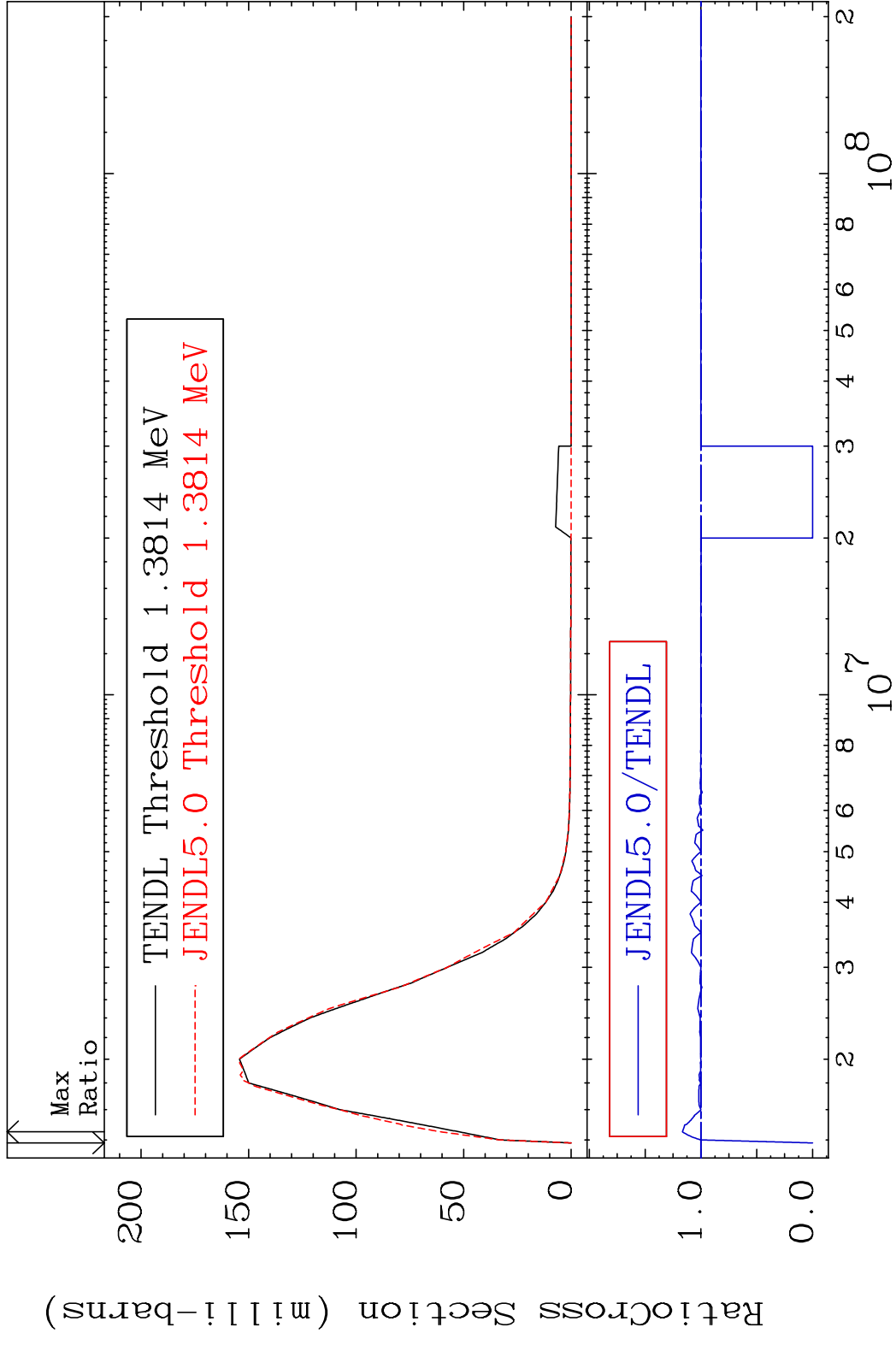


MAT 7431 MT= 59 (n, n') Level 74-W -182
 Cross Section -100.0 To 22.04 %

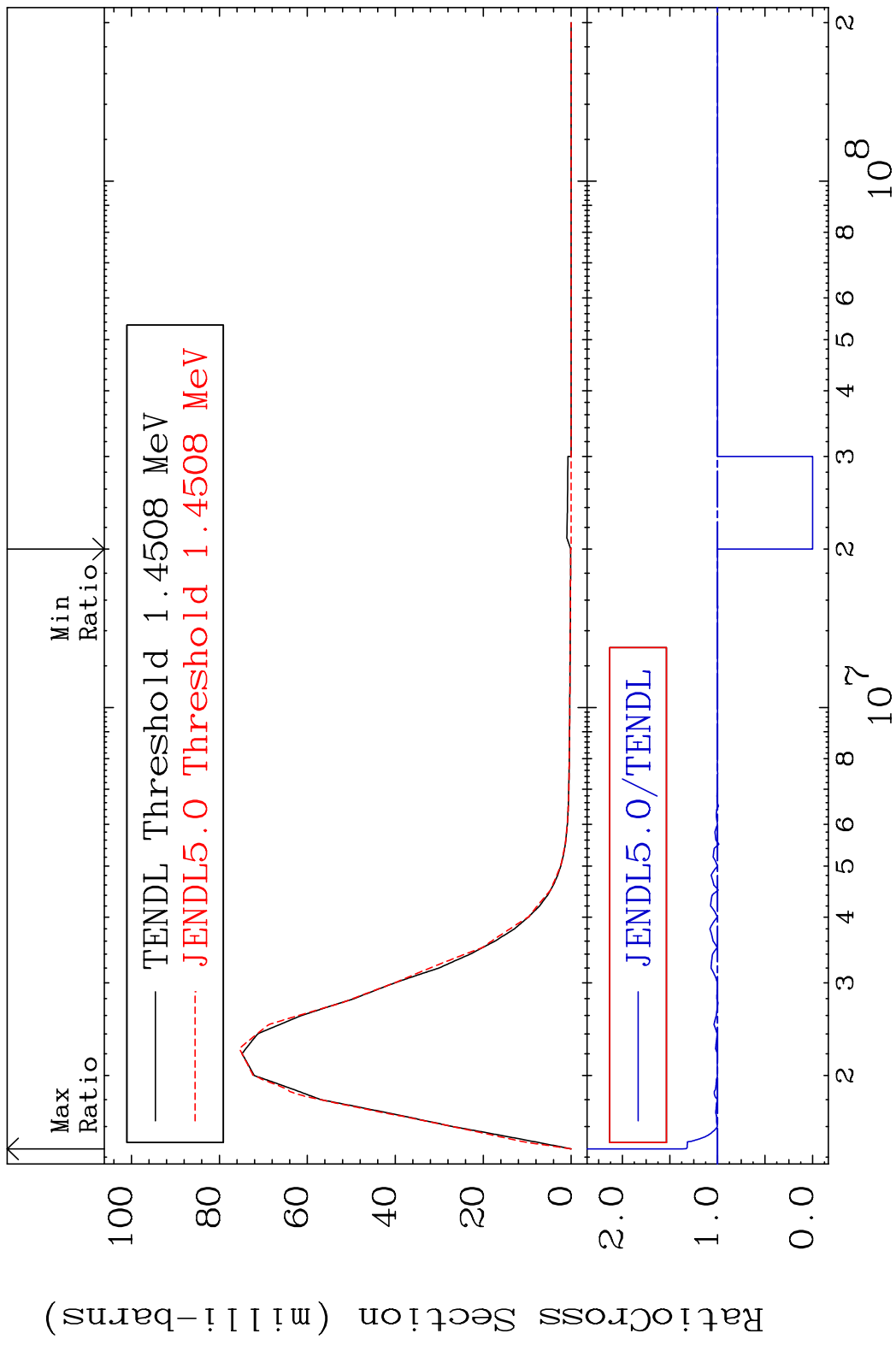


20 Incident Energy (eV) 74-W -182

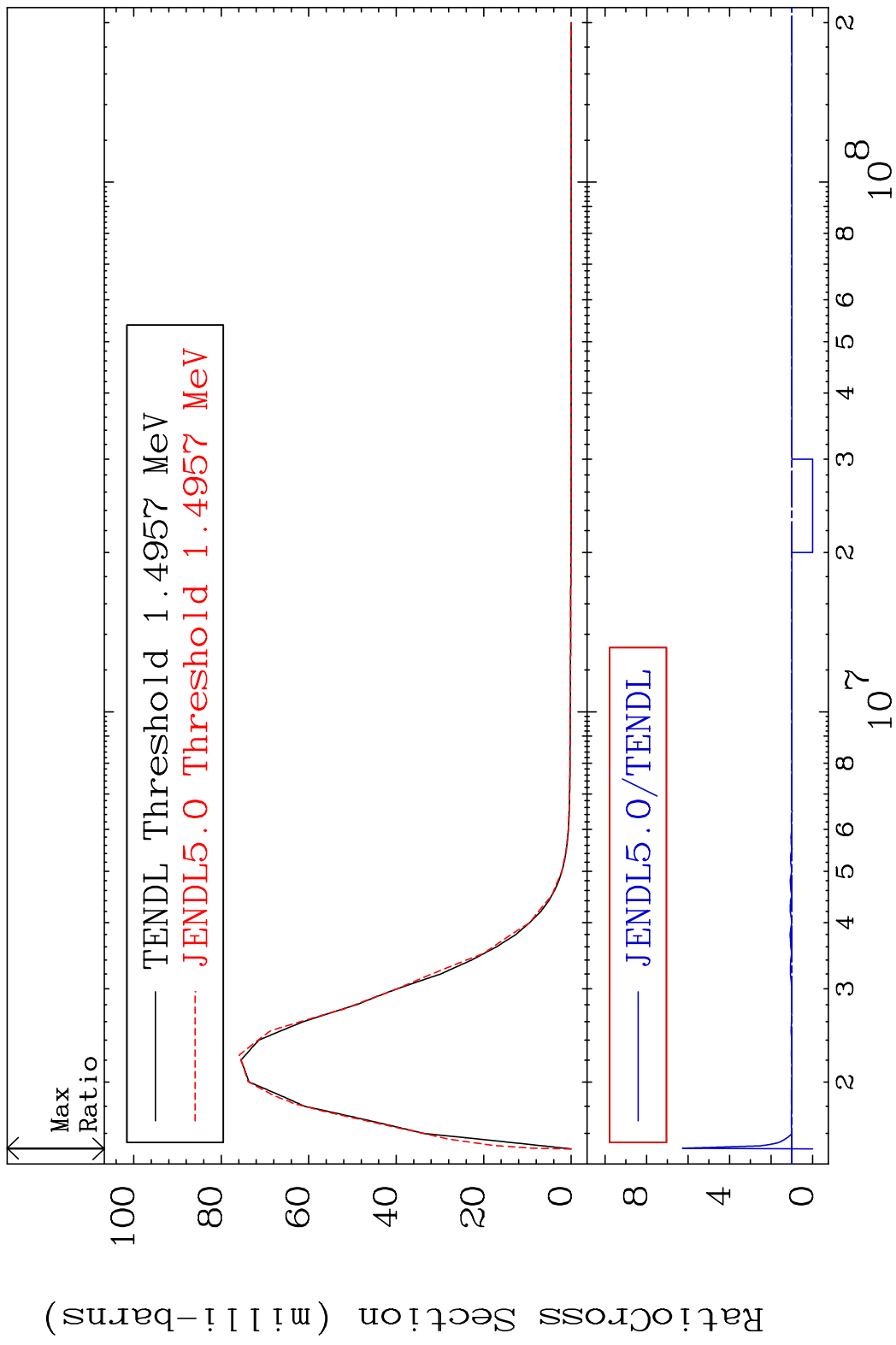
MAT 7431 MT= 60 (n, n') Level 74-W -182
 Cross Section -100.0 To 16.65 %



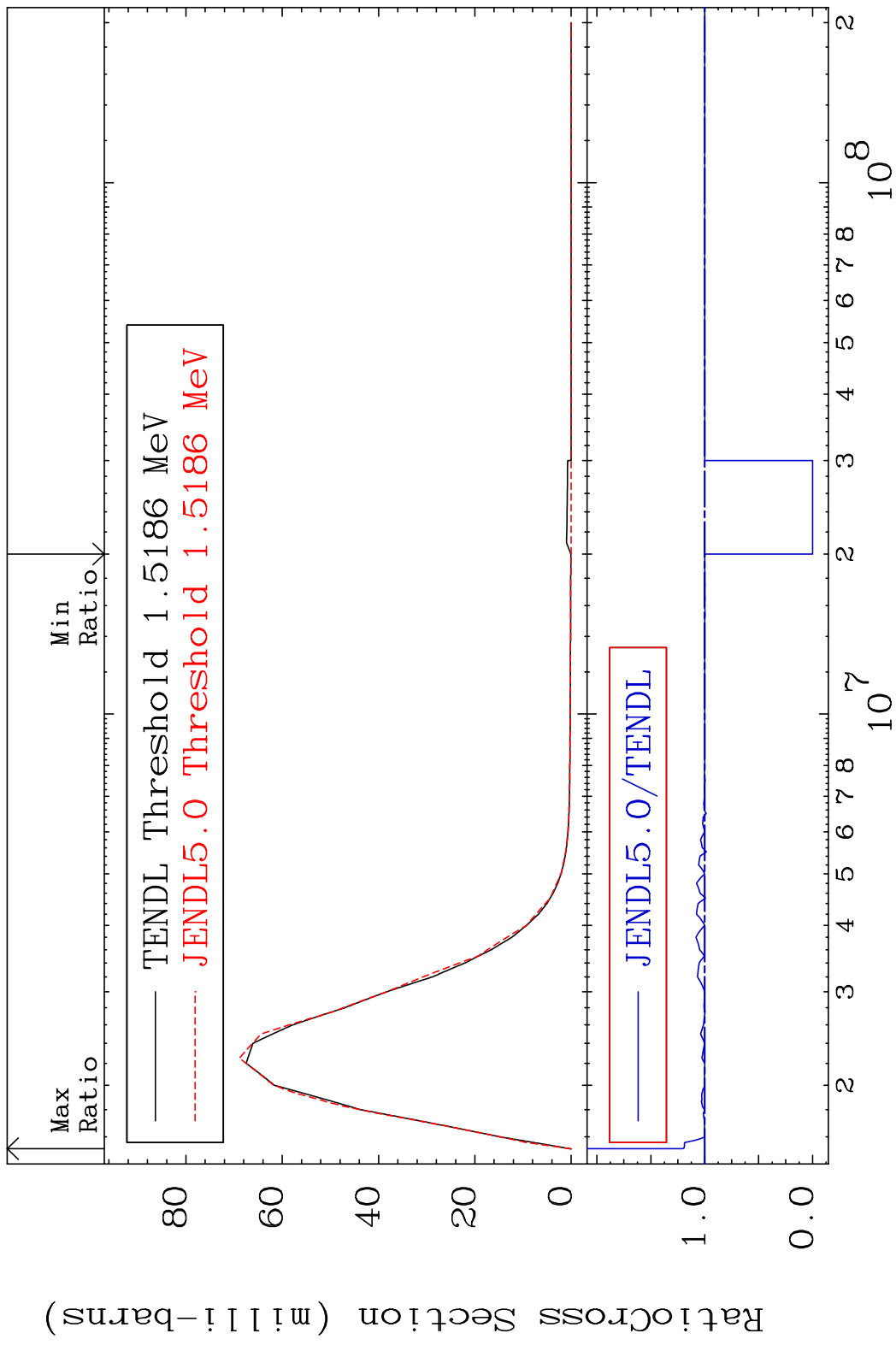
MAT 7431 MT= 61 (n, n') Level 74-W -182
 Cross Section -100.0 To 36.94 %



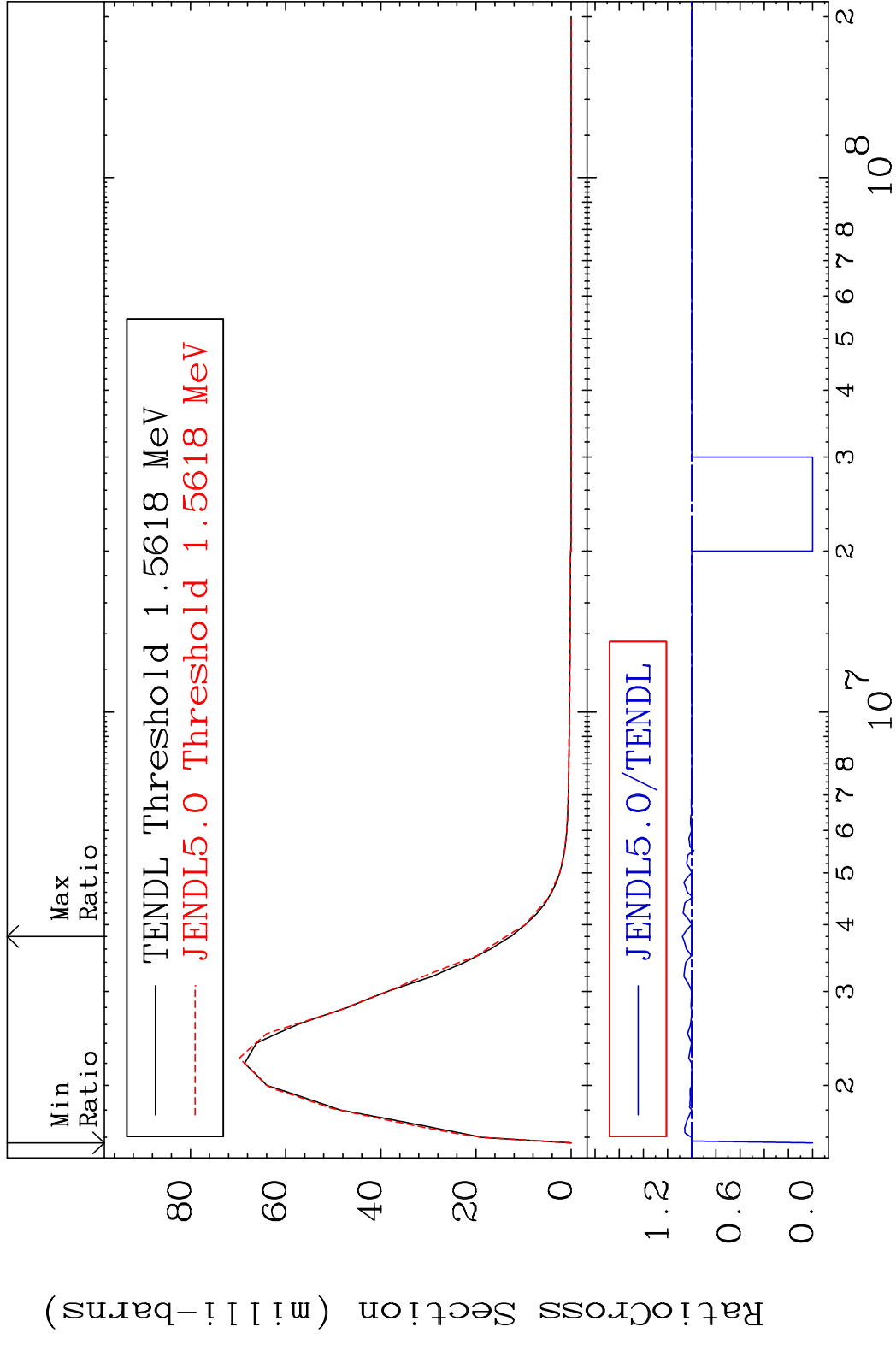
MAT 7431 MT= 62 (n,n') Level 74-W -182
 Cross Section -100.0 To 527.4 %



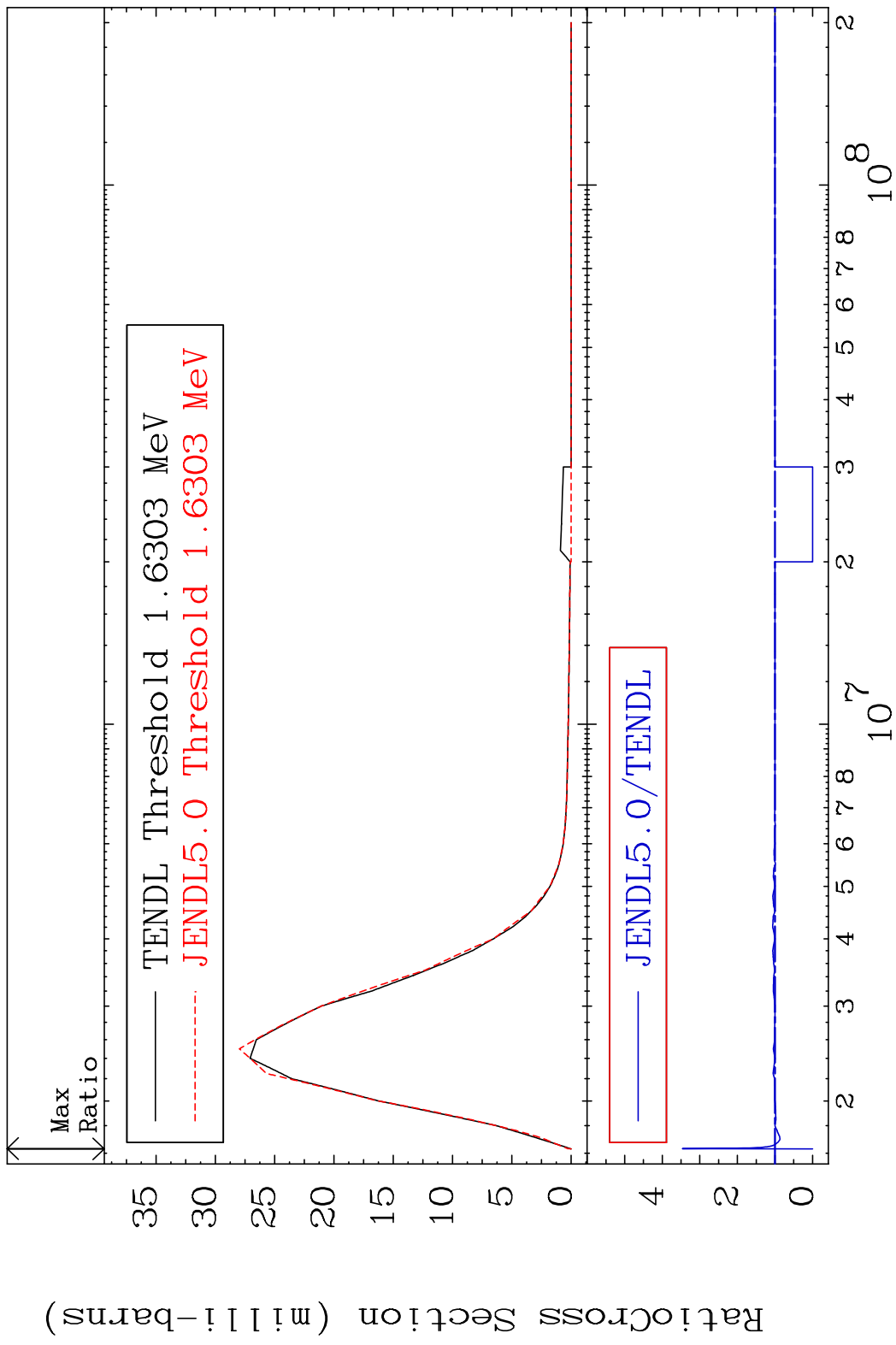
MAT 7431 MT= 63 (n, n') Level 74-W -182
 Cross Section -100.0 To 20.77 %



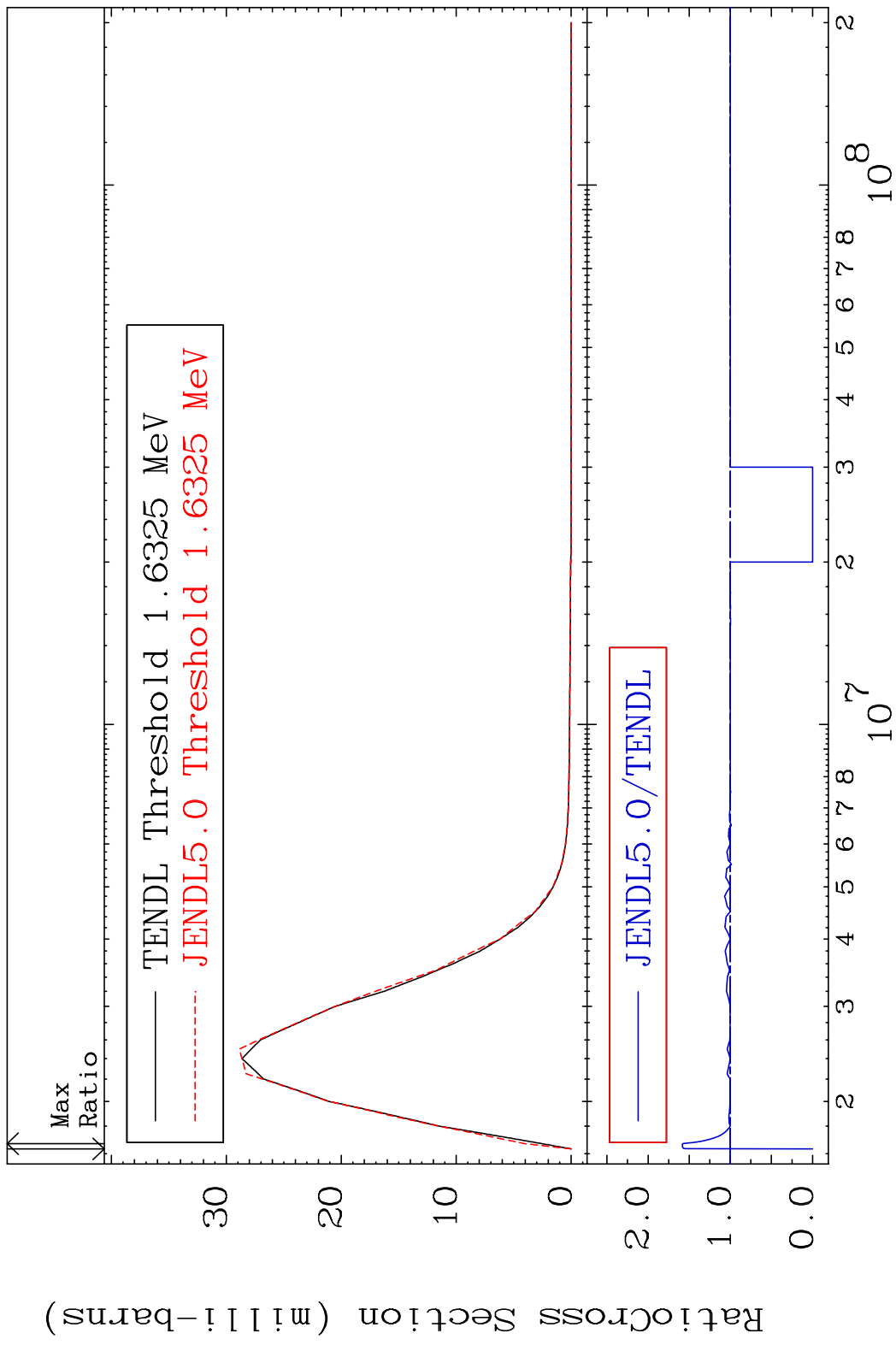
MAT 7431 MT= 64 (n, n') Level 74-W -182
 Cross Section -100.0 To 7.798 %



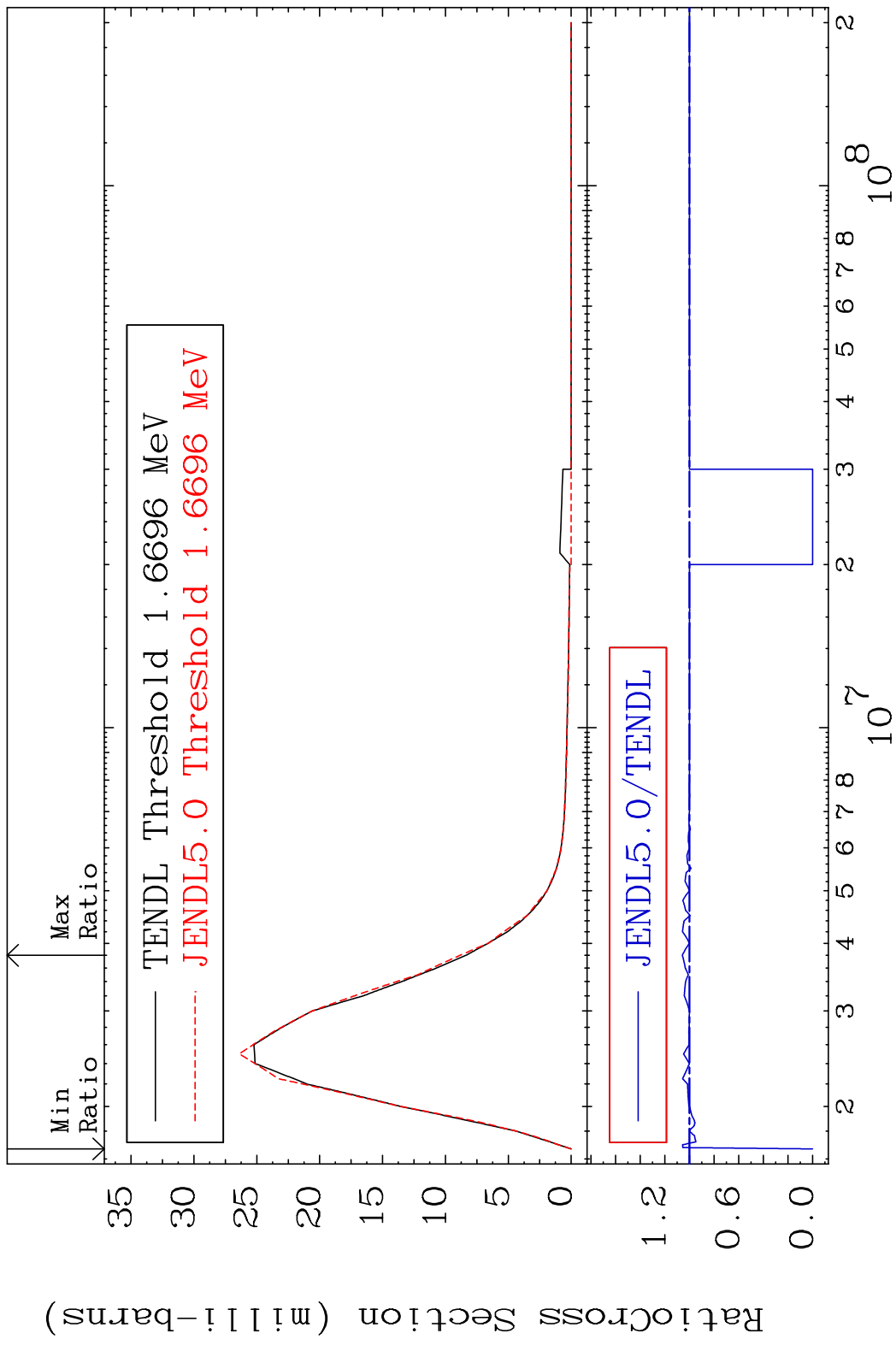
MAT 7431 MT= 65 (n,n') Level 74-W -182
 Cross Section -100.0 To 246.5 %



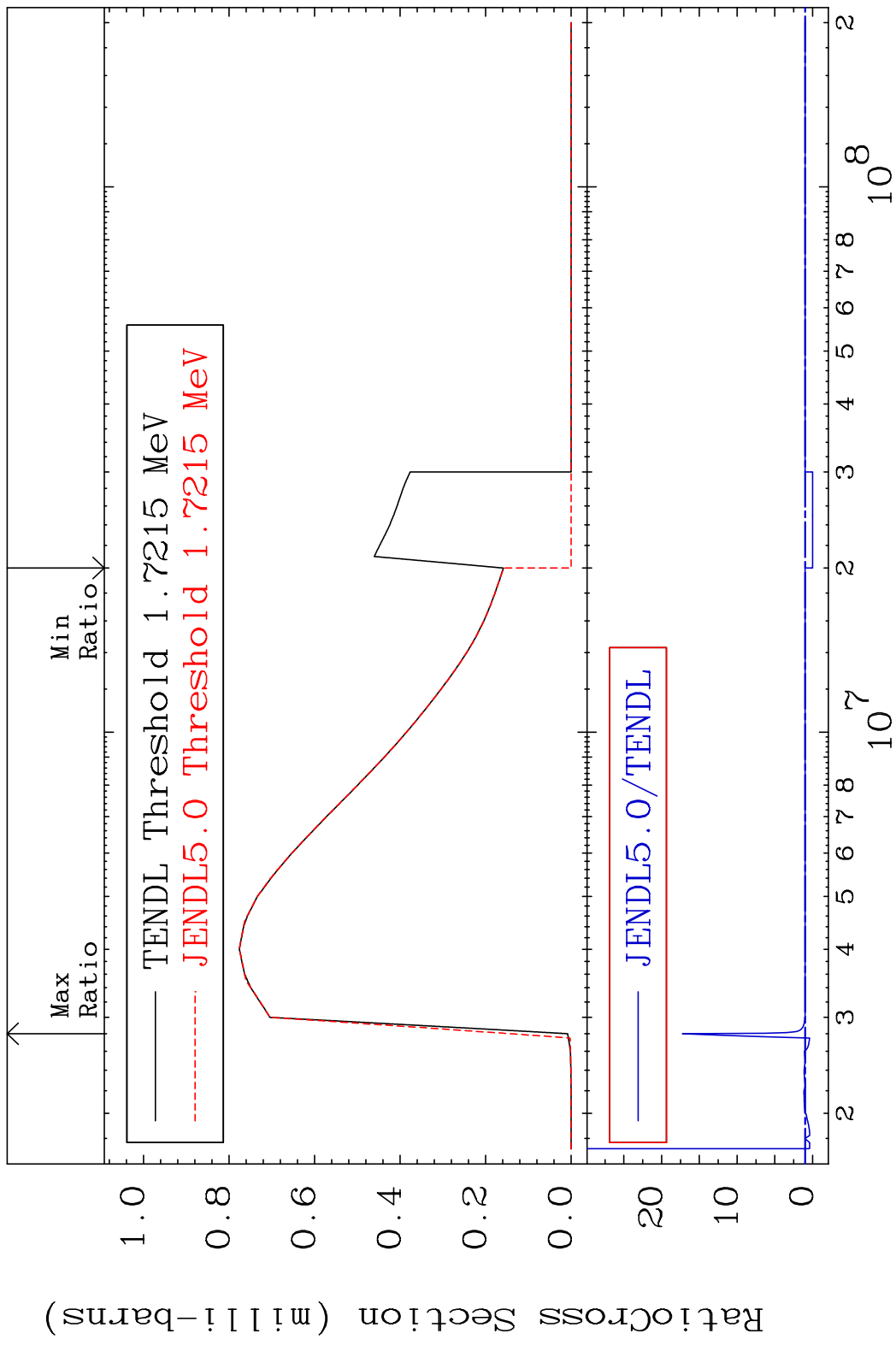
MAT 7431 MT= 66 (n,n') Level 74-W -182
 Cross Section -100.0 To 58.31 %



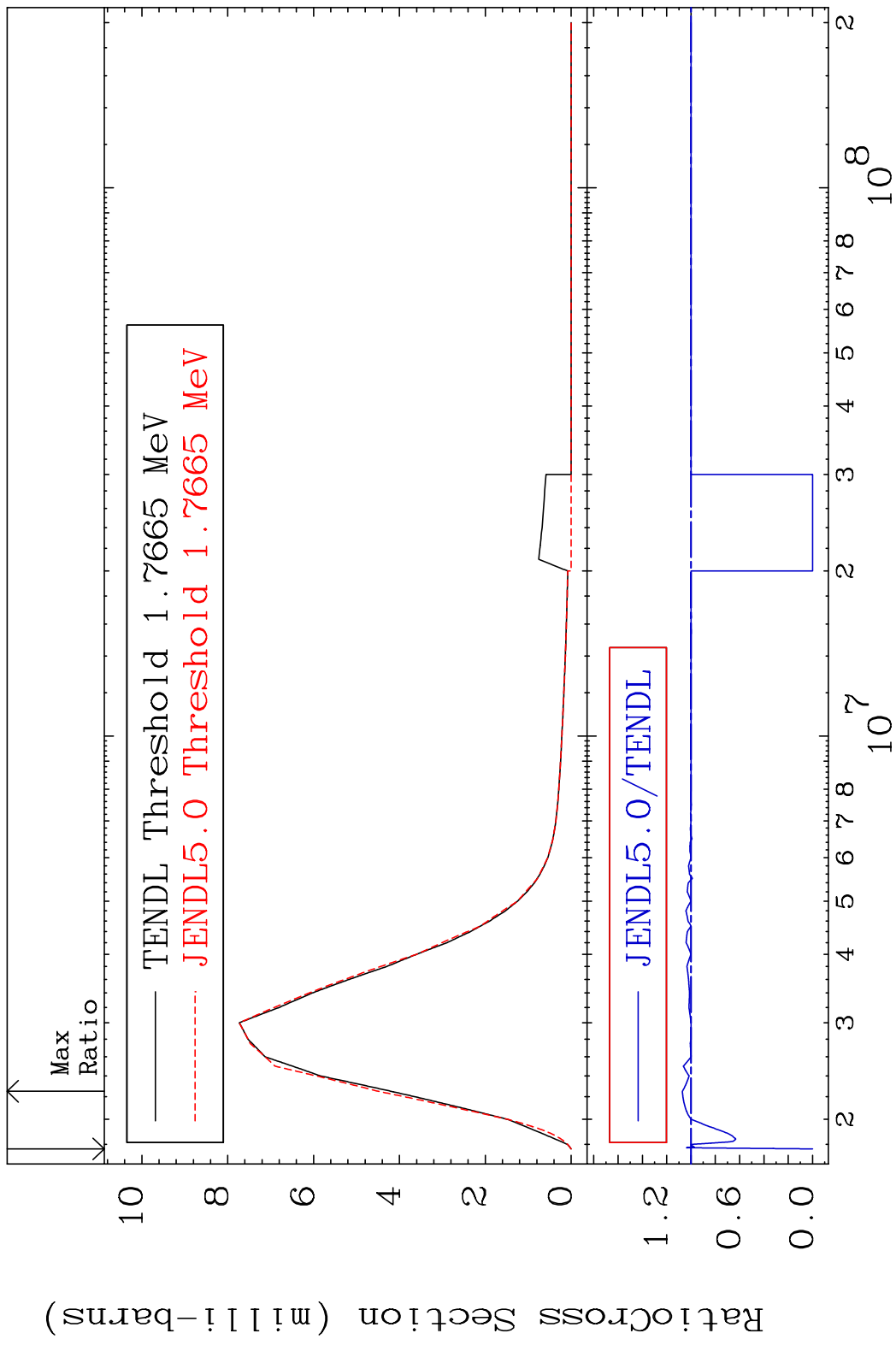
MAT 7431 MT= 67 (n, n') Level 74-W -182
 Cross Section -100.0 To 5.735 %



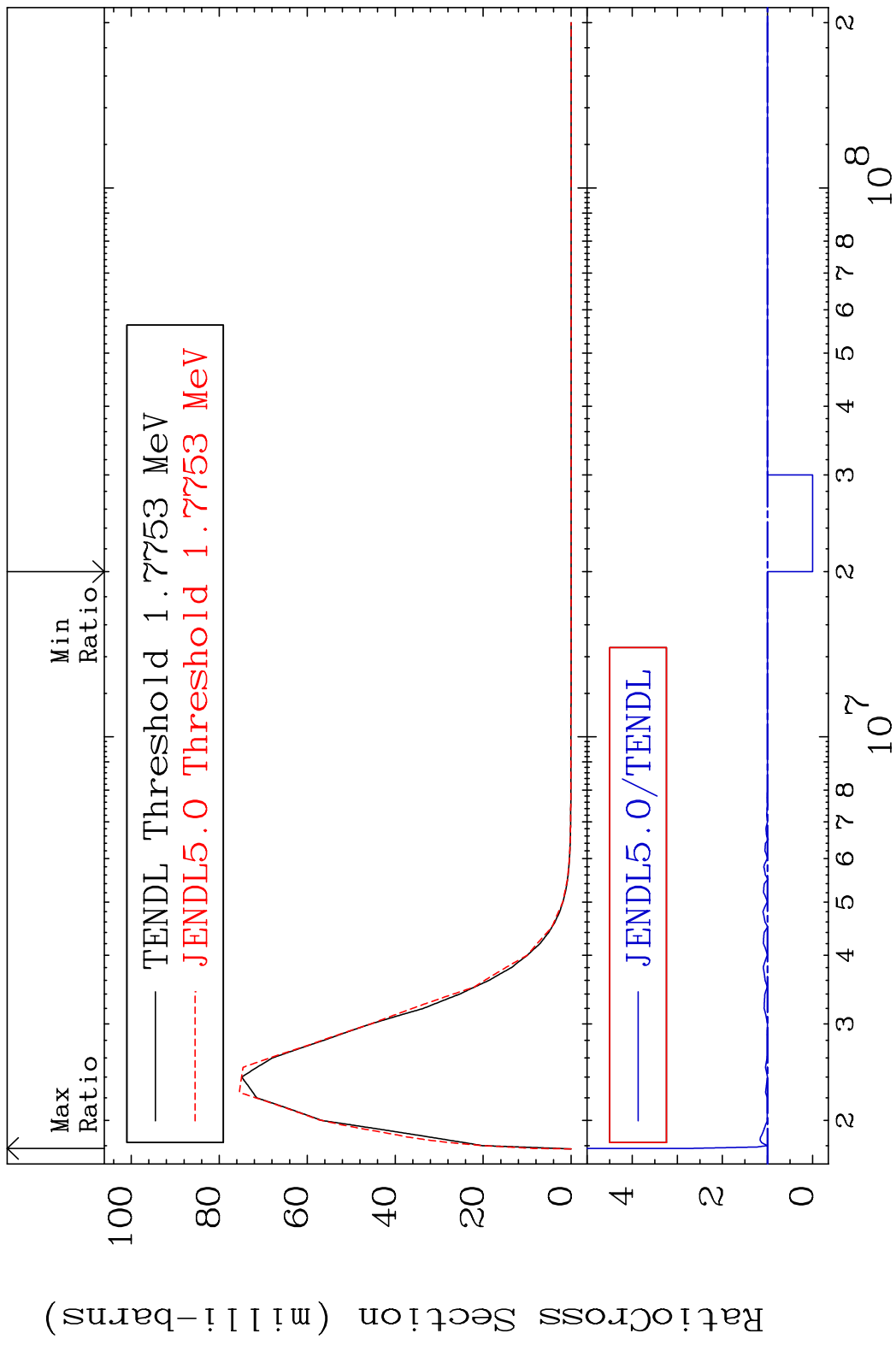
MAT 7431 MT= 68 (n, n') Level 74-W -182
 Cross Section -100.0 To 1625. %



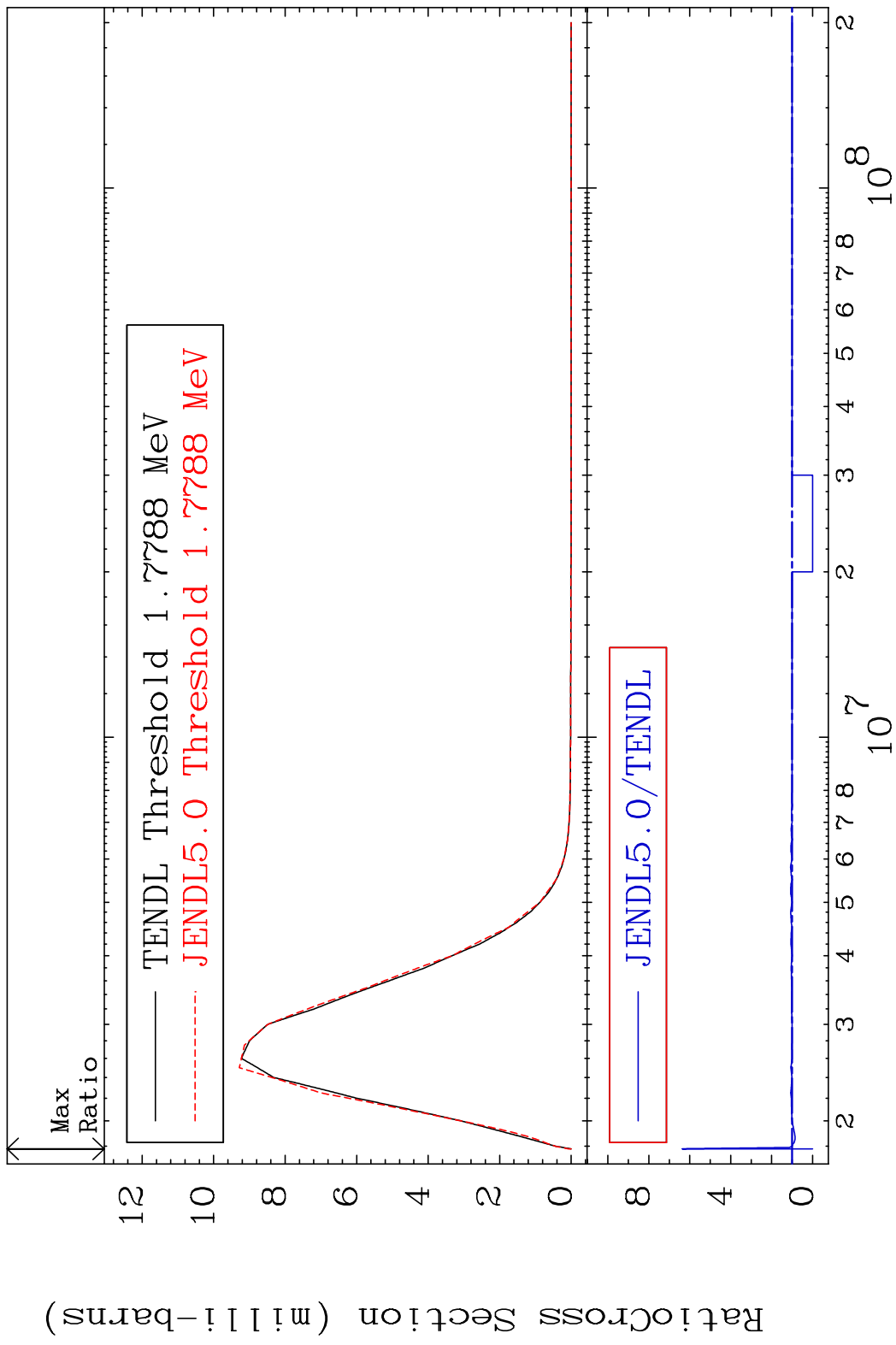
MAT 7431 MT= 69 (n, n') Level 74-W -182
 Cross Section -100.0 To 7.124 %



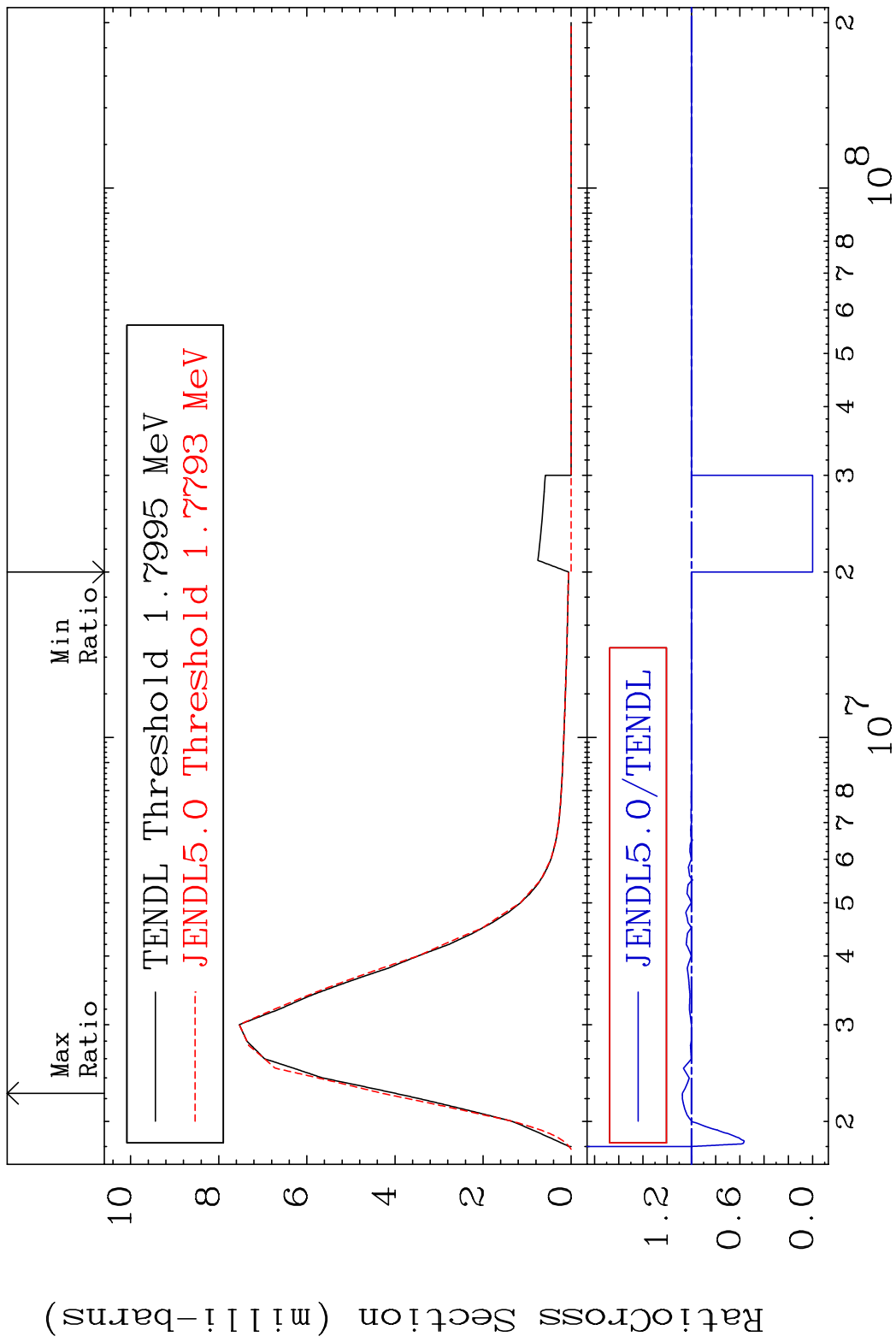
MAT 7431 MT= 70 (n, n') Level 74-W -182
 Cross Section -100.0 To 188.8 %



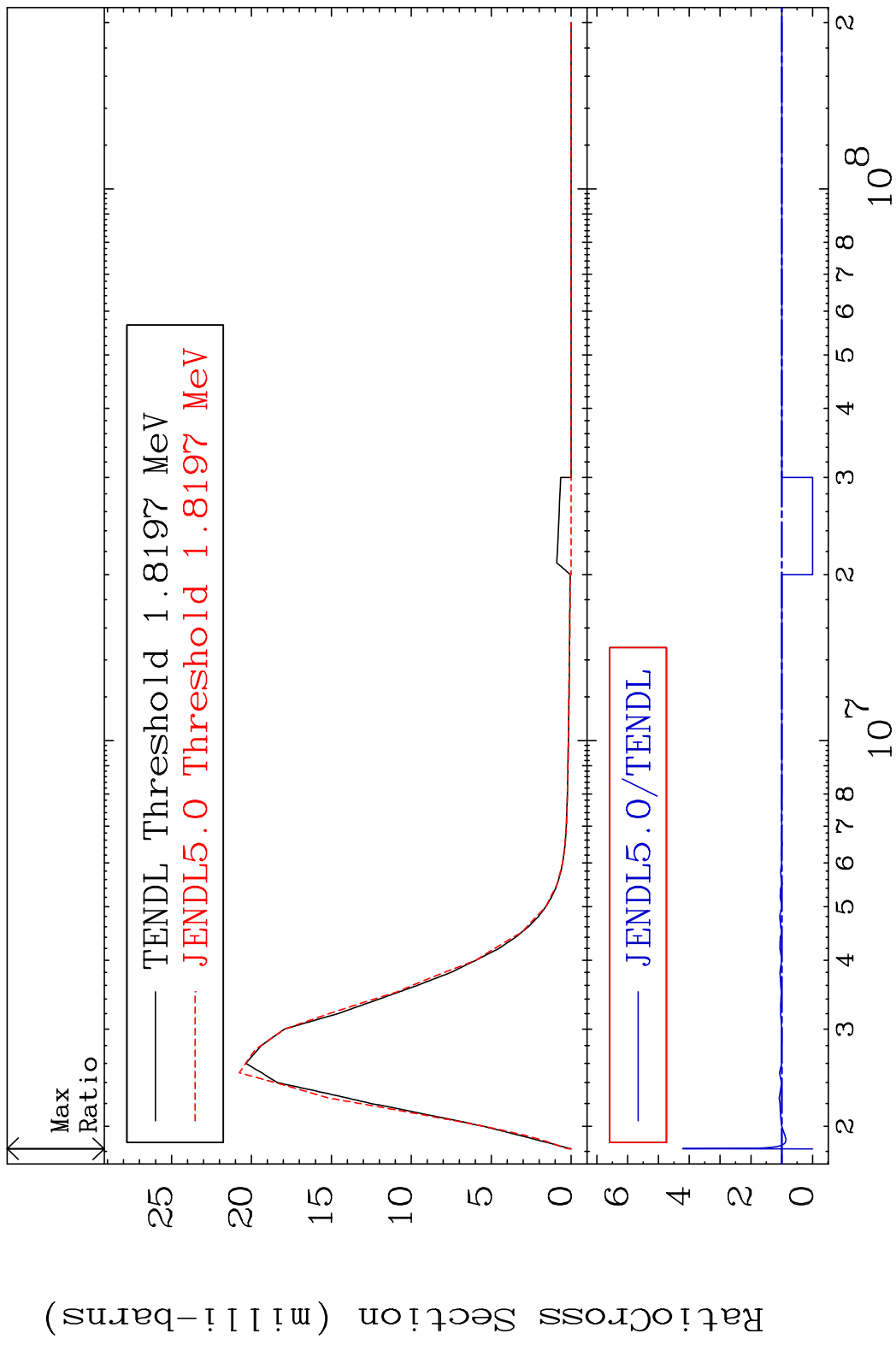
MAT 7431 MT= 71 (n,n') Level 74-W -182
 Cross Section -100.0 To 536.2 %



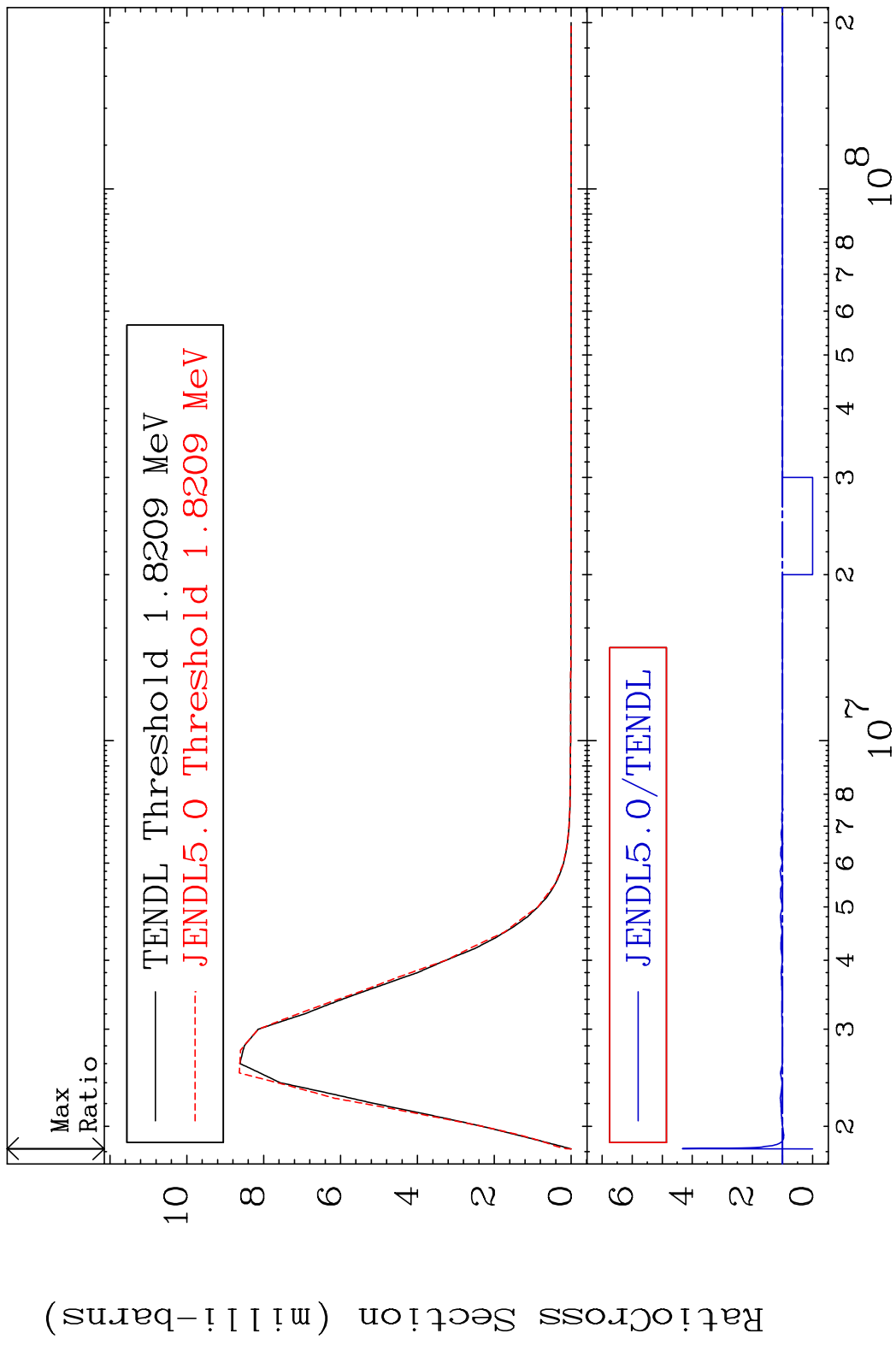
MAT 7431 MT= 72 (n, n') Level 74-W -182
 Cross Section -100.0 To 7.473 %



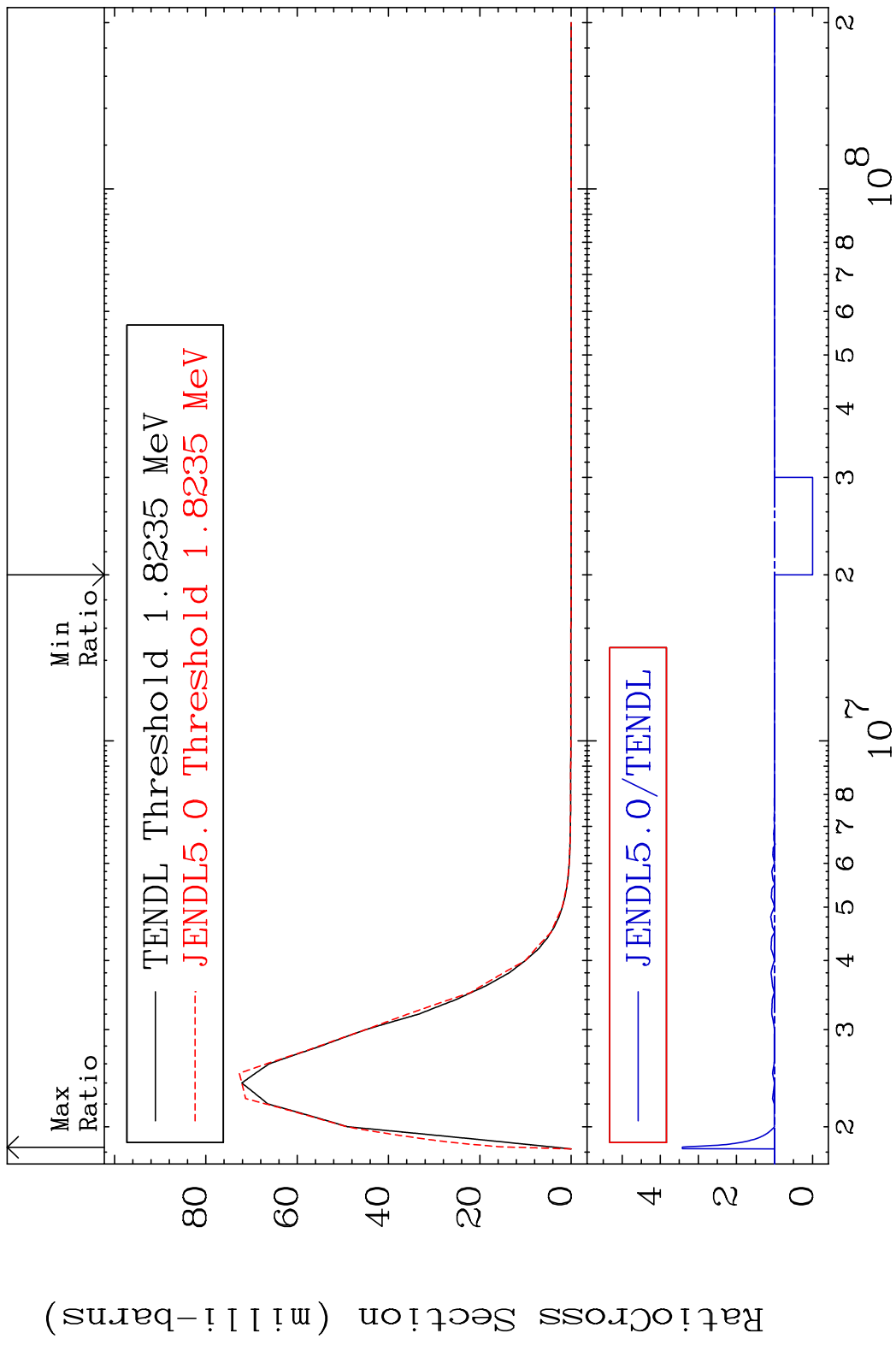
MAT 7431 MT= 73 (n, n') Level 74-W -182
 Cross Section -100.0 To 322.6 %



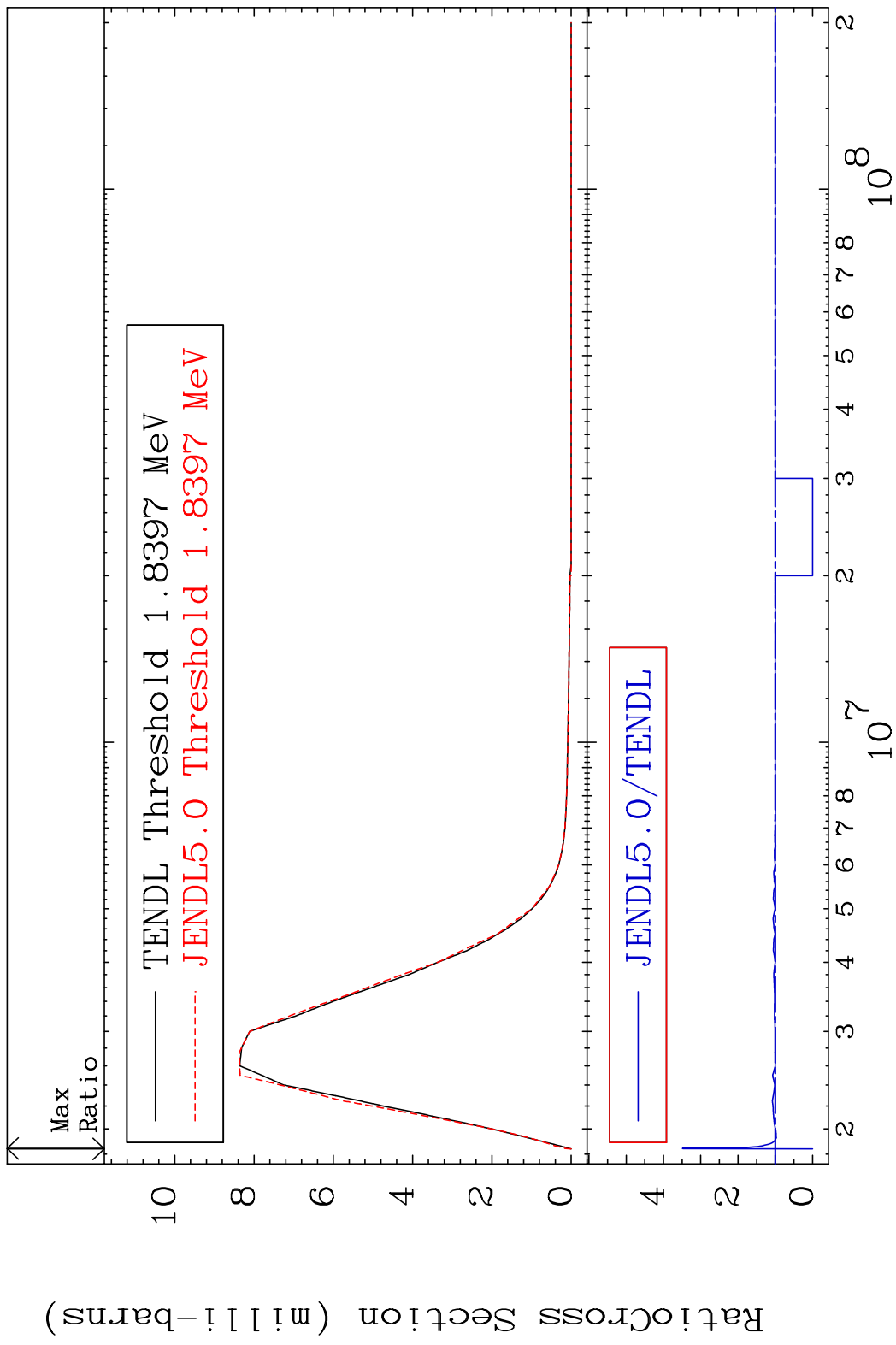
MAT 7431 MT= 74 (n,n') Level 74-W -182
 Cross Section -100.0 To 333.0 %



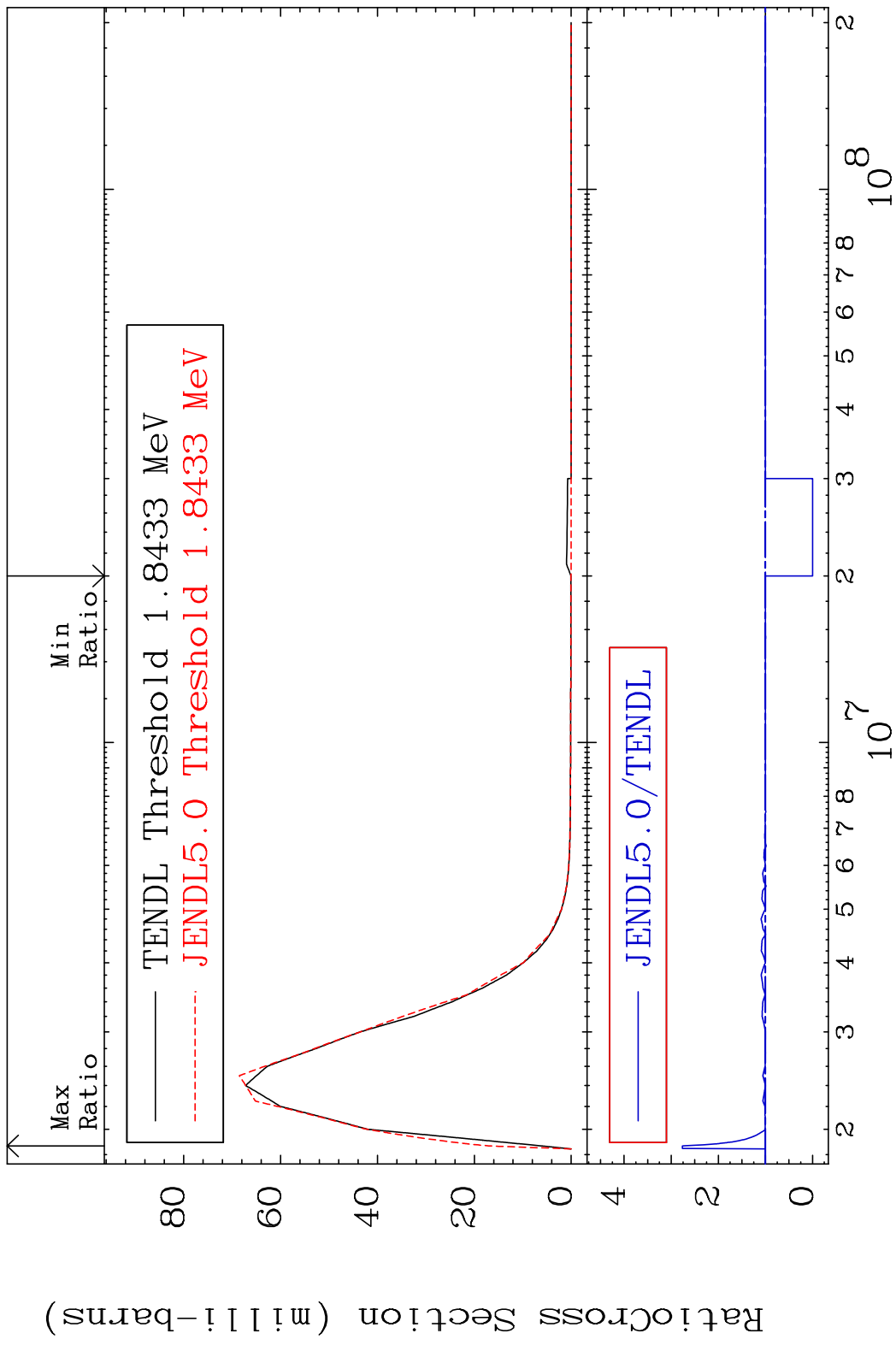
MAT 7431 MT= 75 (n,n') Level 74-W -182
 Cross Section -100.0 To 242.0 %



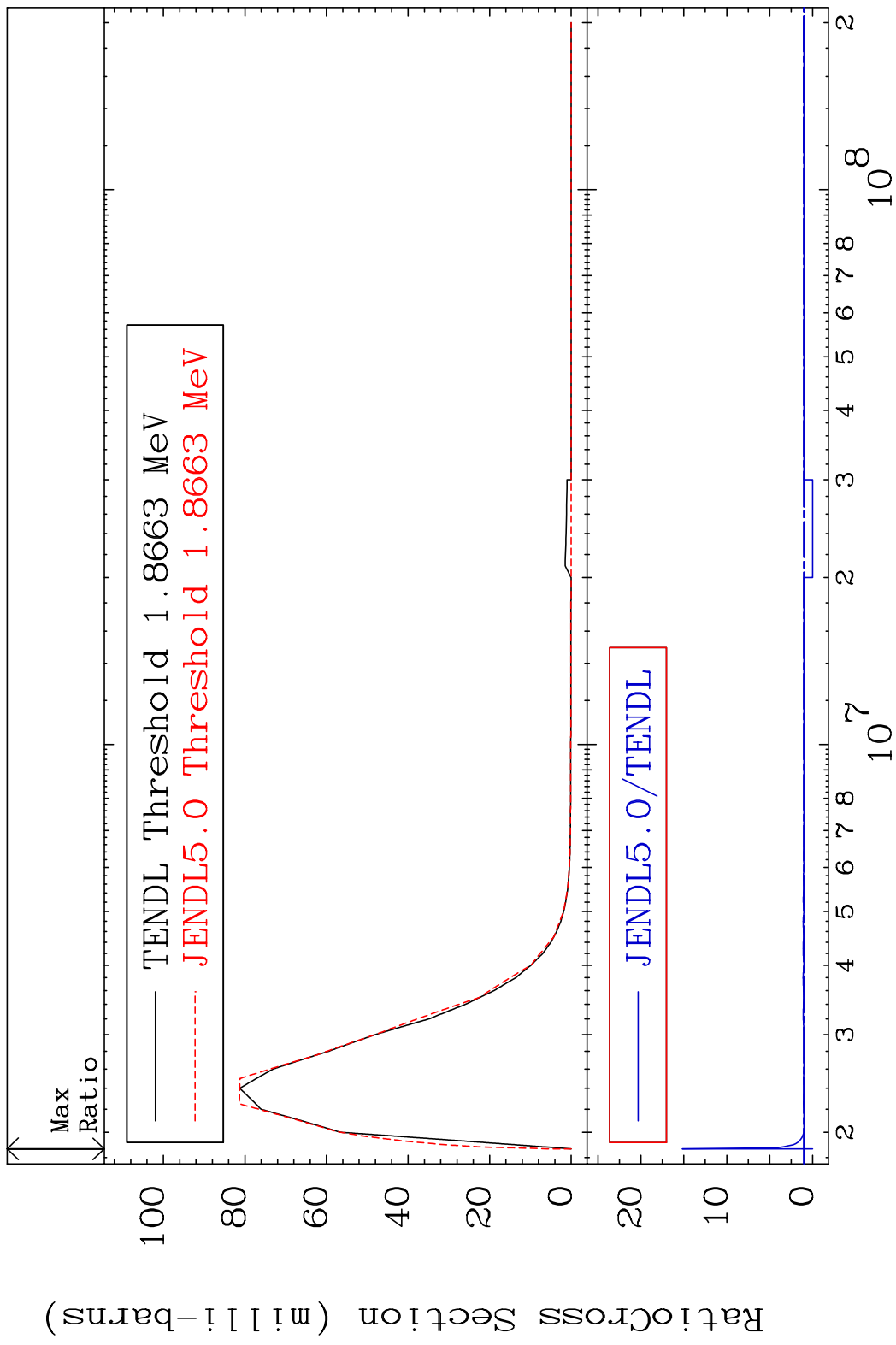
MAT 7431 MT= 76 (n,n') Level 74-W -182
 Cross Section -100.0 To 249.3 %



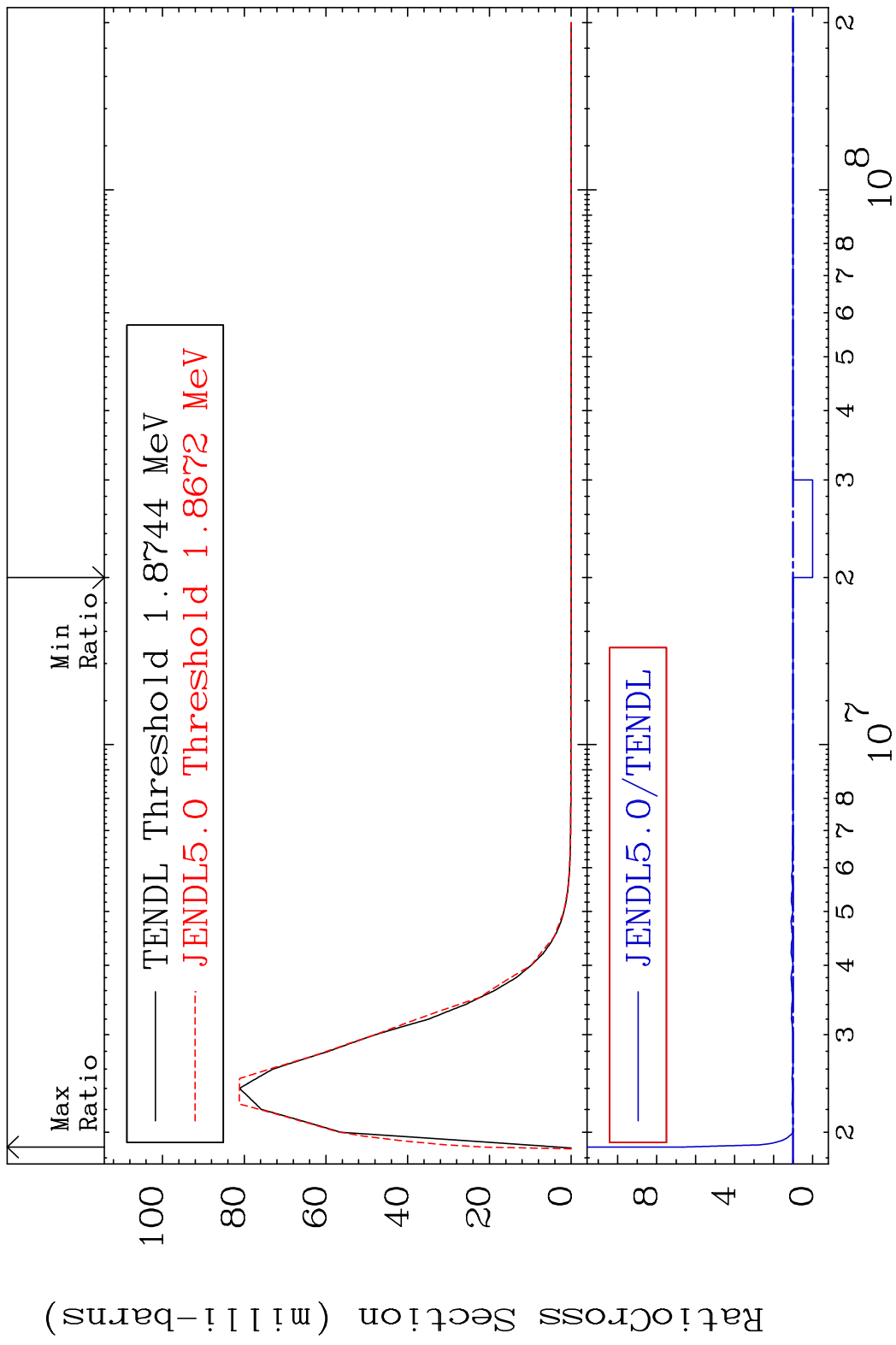
MAT 7431 MT= 77 (n, n') Level 74-W -182
 Cross Section -100.0 To 176.3 %



MAT 7431 MT= 78 (n,n') Level 74-W -182
 Cross Section -100.0 To 1417. %

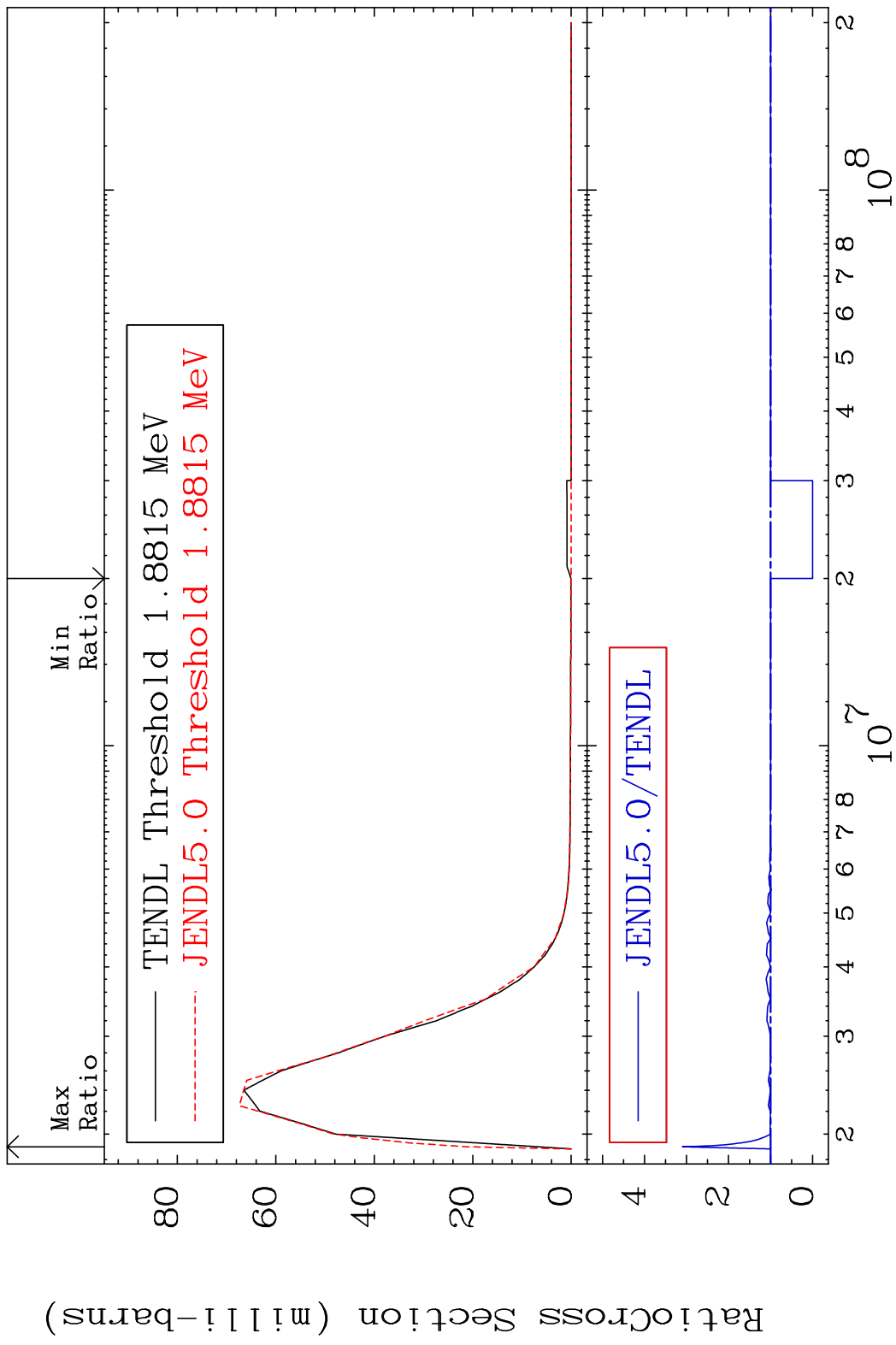


MAT 7431 MT= 79 (n, n') Level 74-W -182
 Cross Section -100.0 To 568.2 %



40 Incident Energy (eV) 74-W -182

MAT 7431 MT= 80 (n, n') Level 74-W -182
 Cross Section -100.0 To 210.0 %

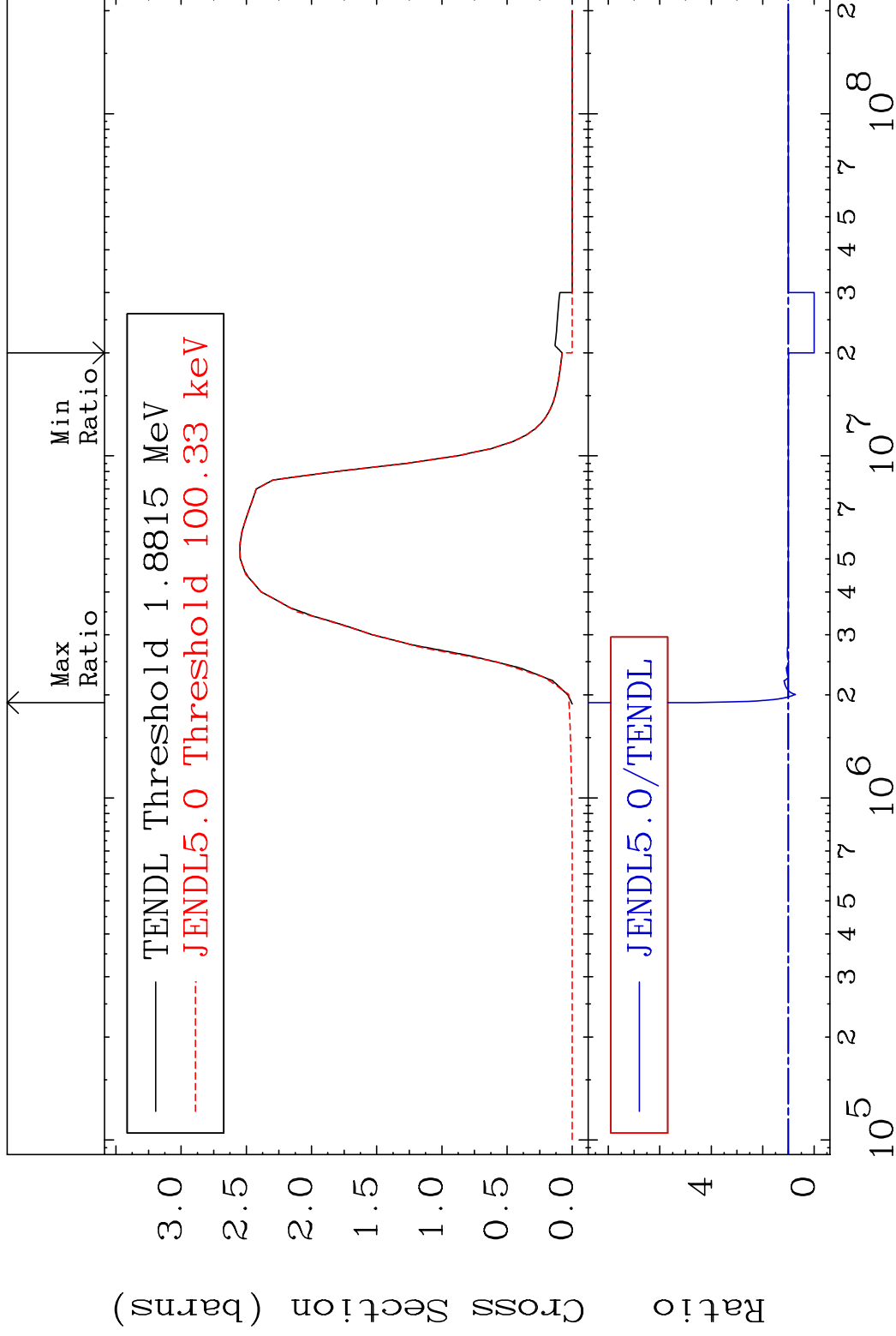


MAT 7431

(n, n') Continuum

74-W -182

Cross Section -100.0 To 407.3 %



42

Incident Energy (eV)

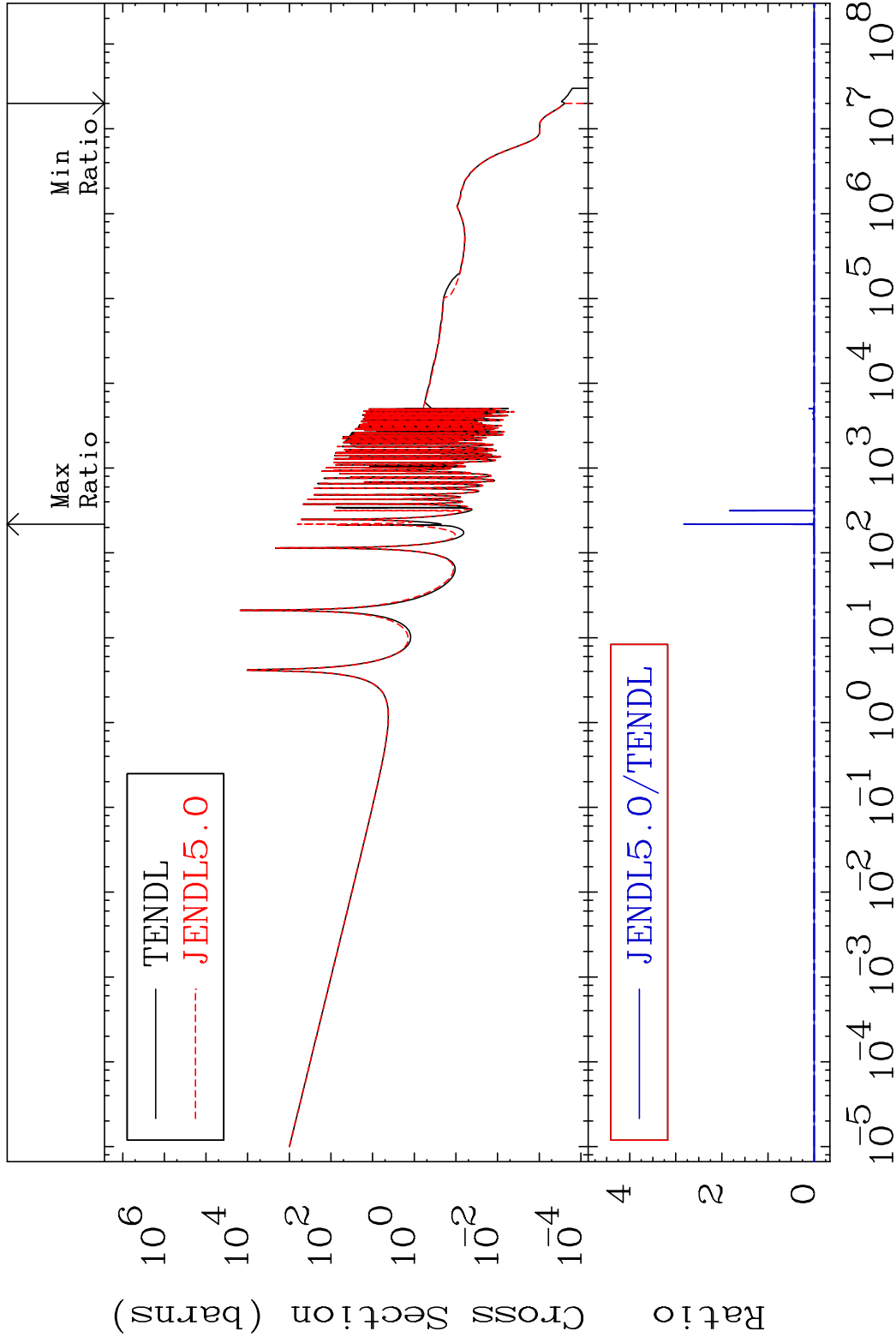
74-W -182

MAT 7431

(n, γ)

74-W -182

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

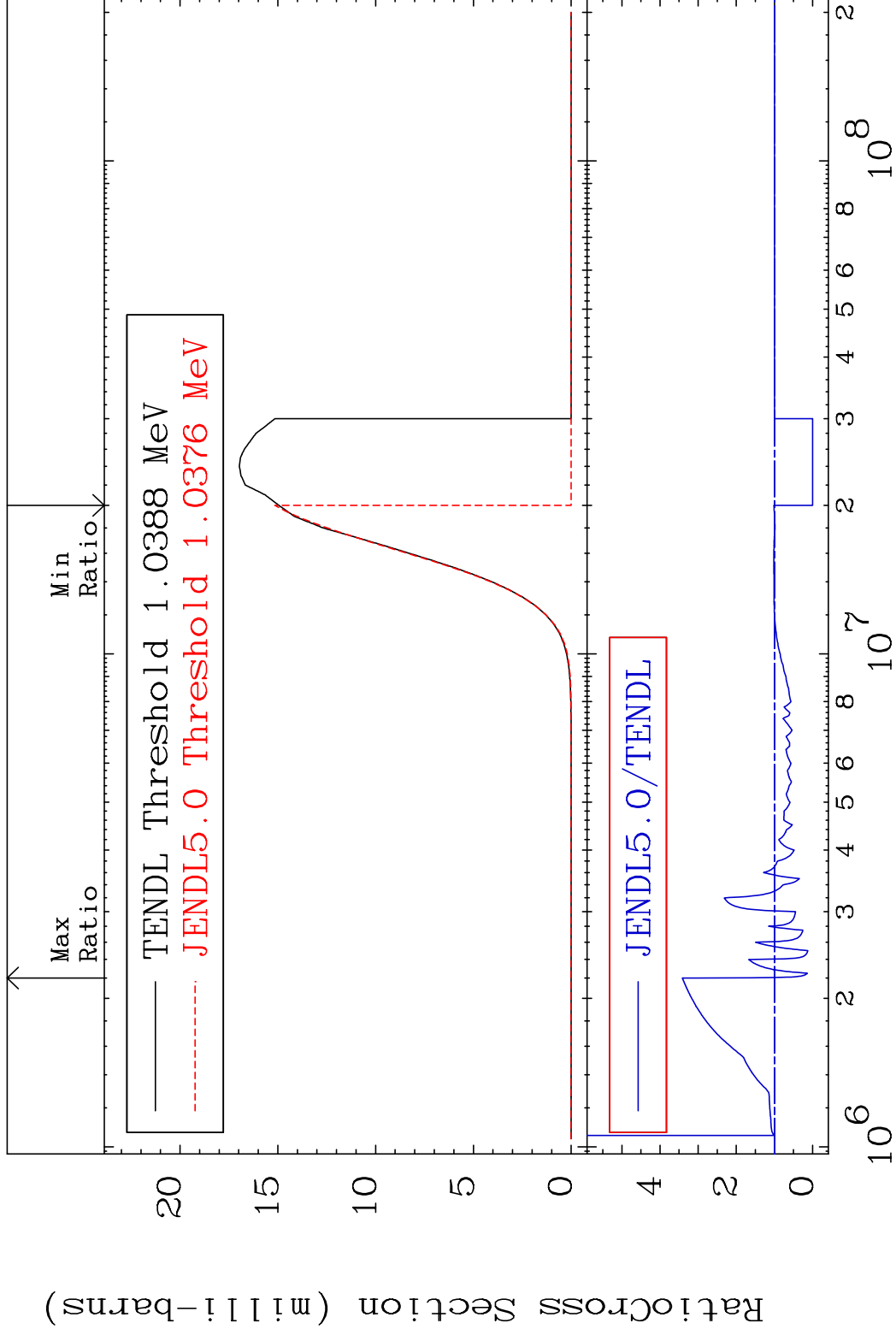
74-W -182

MAT 7431

(n, p)

74-W -182

Cross Section -100.0 To 241.4 %



44

Incident Energy (eV)

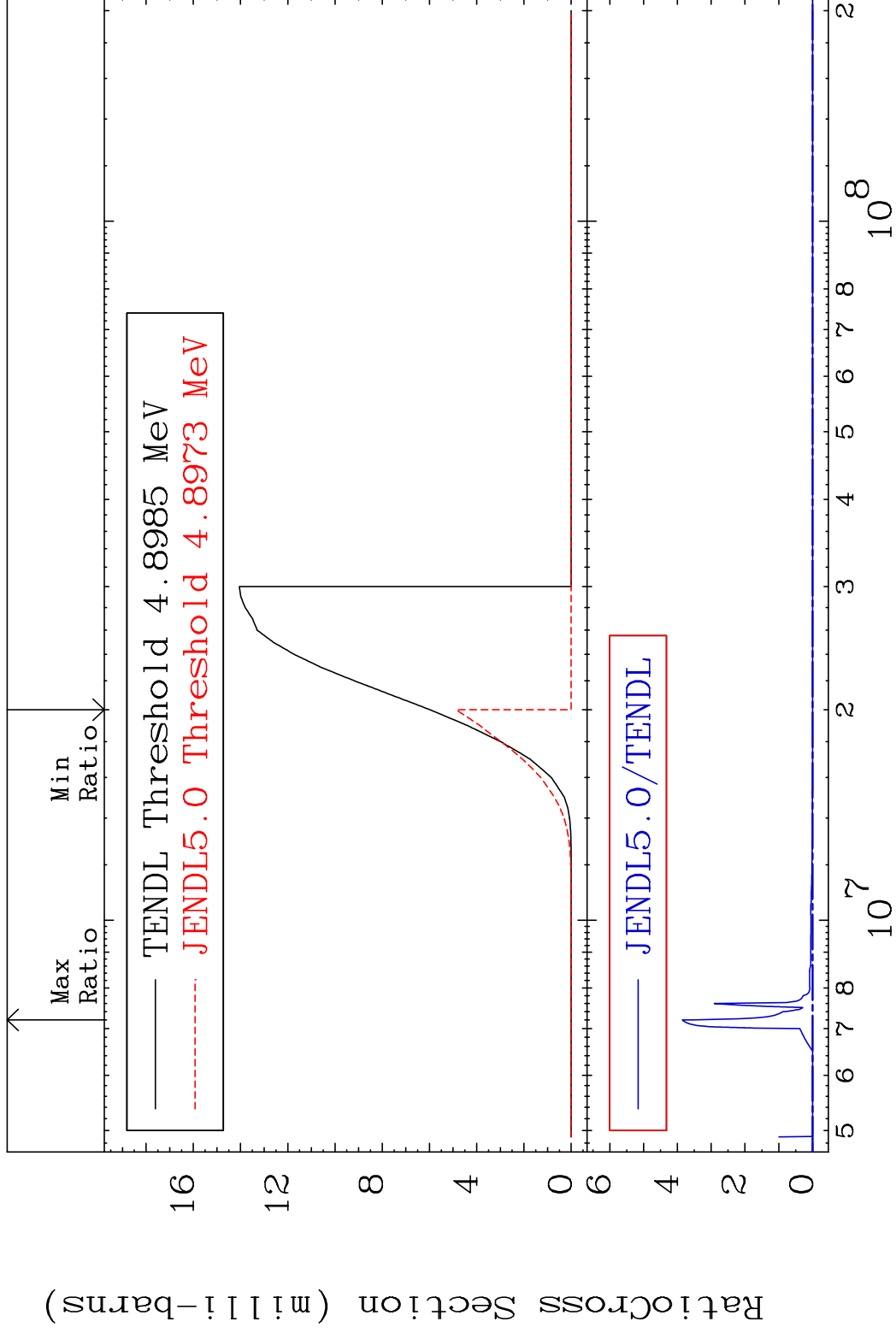
74-W -182

MAT 7431

(n,d)

74-W -182

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

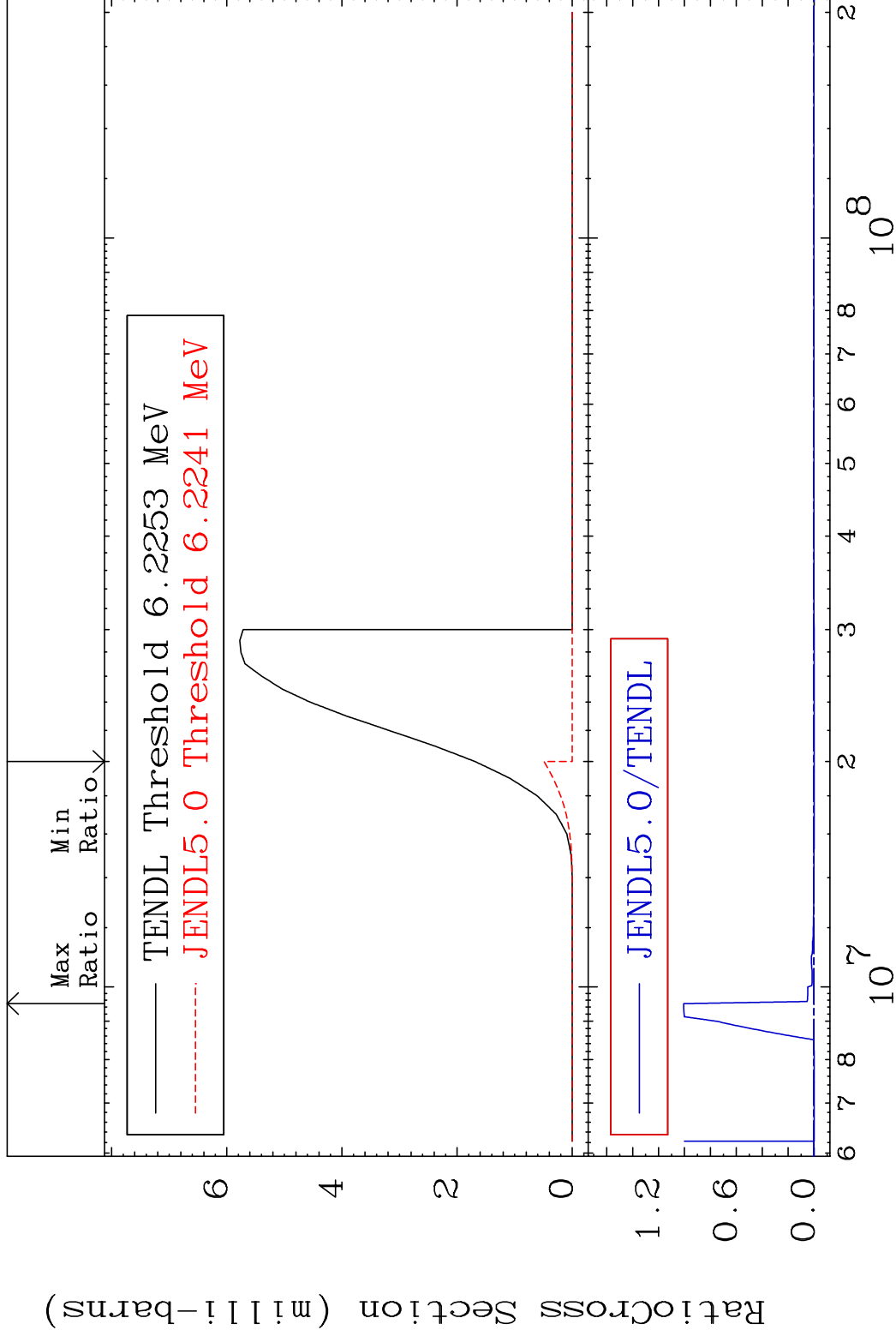
74-W -182

MAT 7431

(n, t)

74-W -182

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

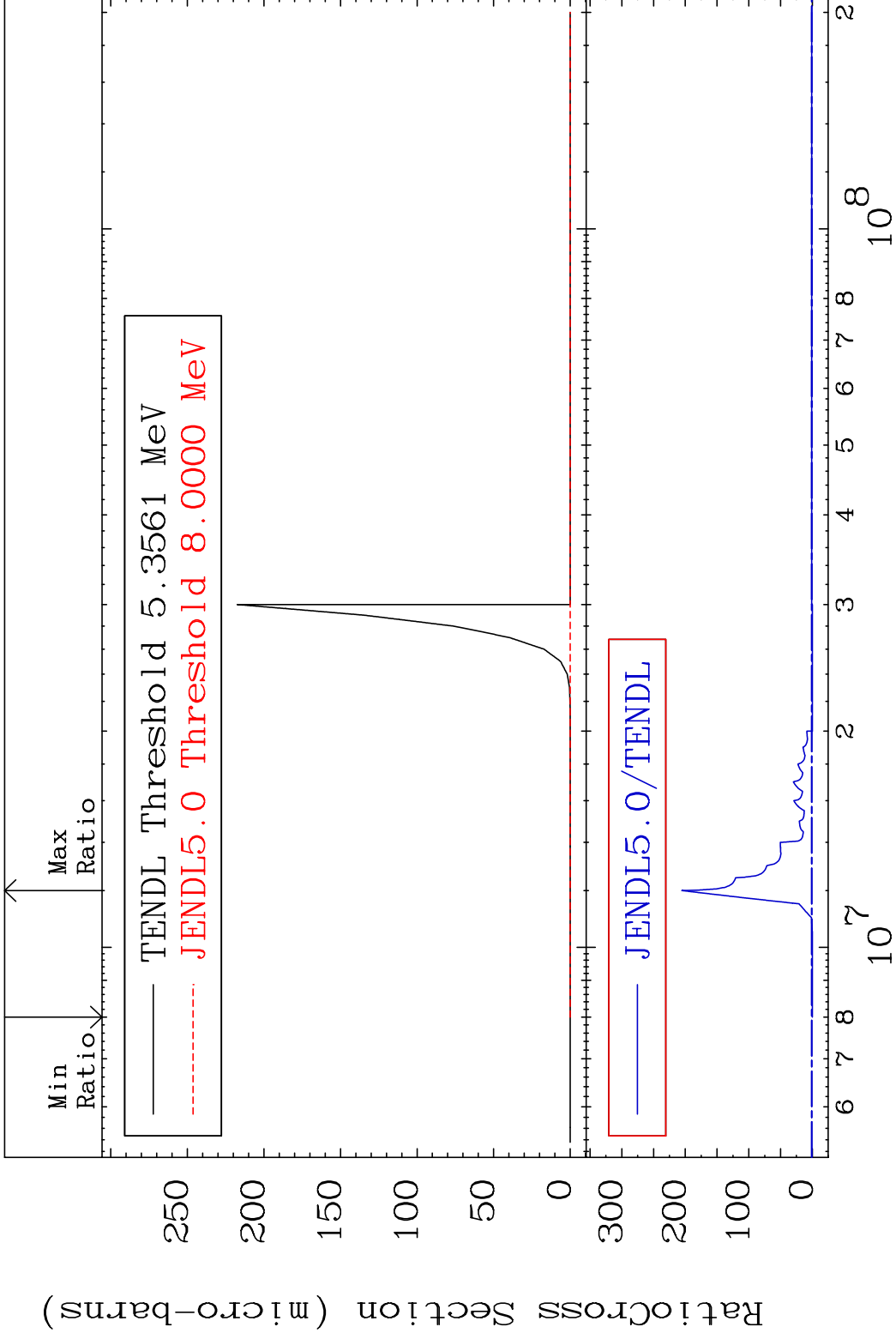
74-W -182

MAT 7431

(n, He-3)

74-W -182

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

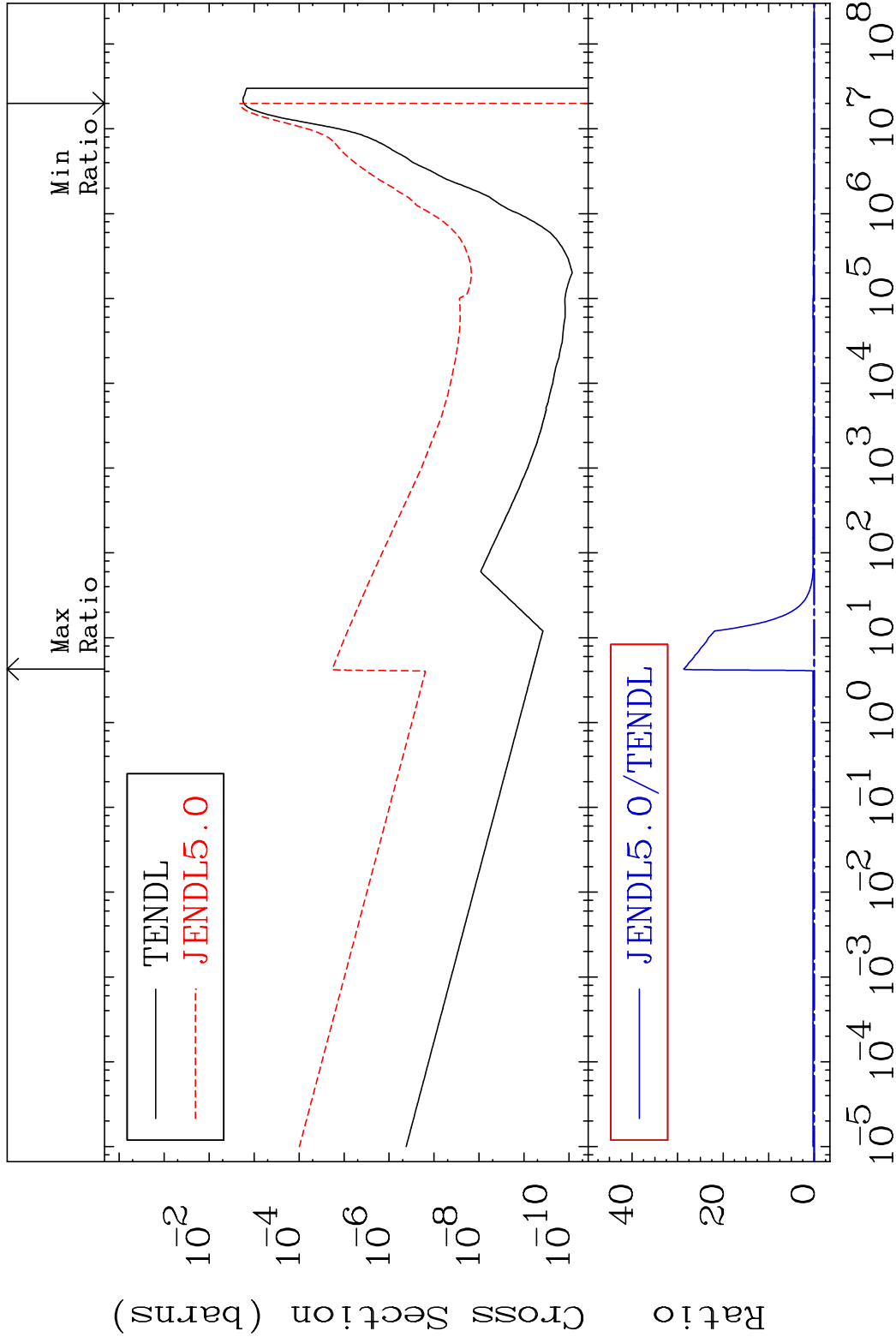
74-W -182

MAT 7431

(n, α)

74-W -182

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

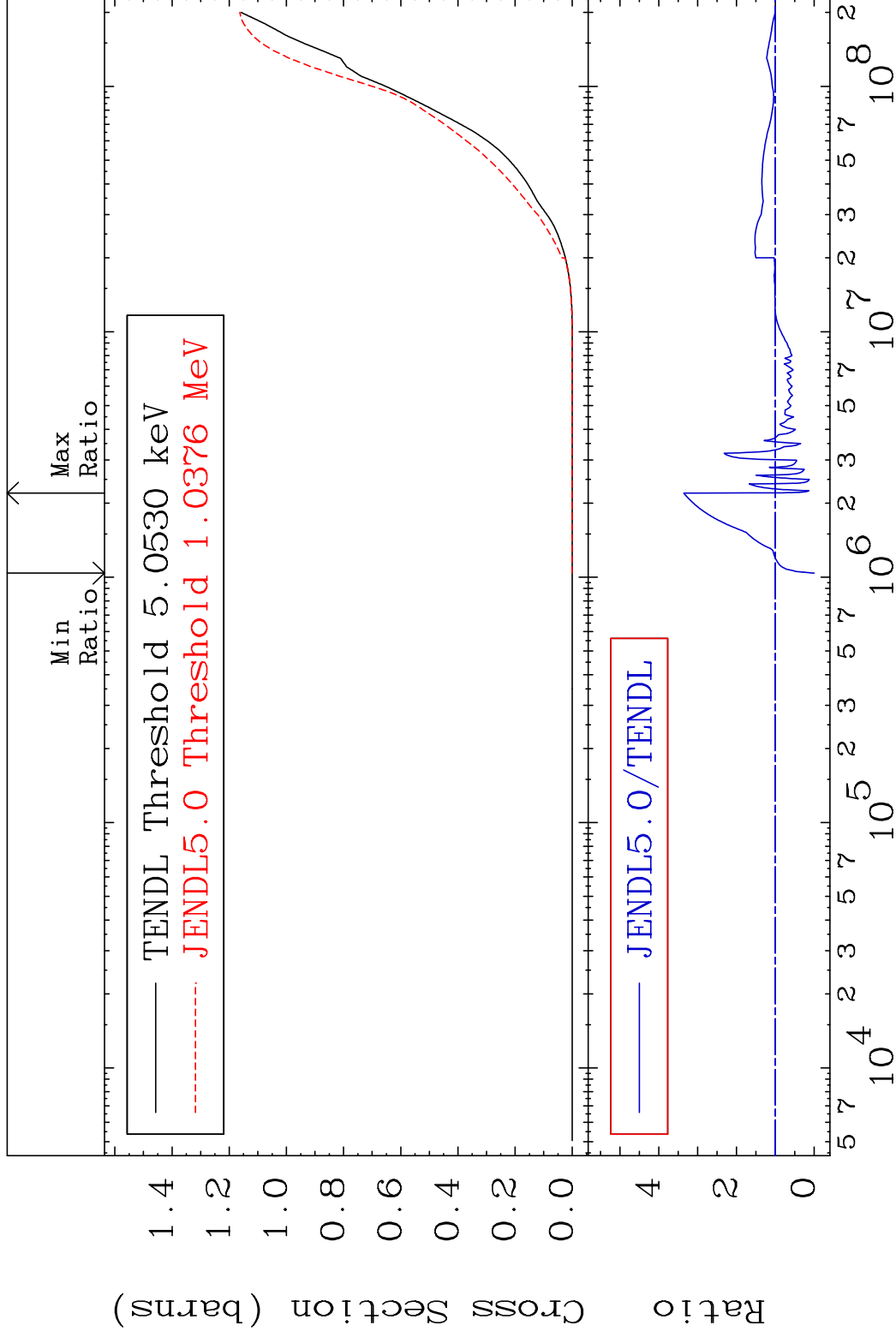
74-W -182

MAT 7431

Hydrogen Production

74-W -182

Cross Section -100.0 To 235.9 %



49

Incident Energy (eV)

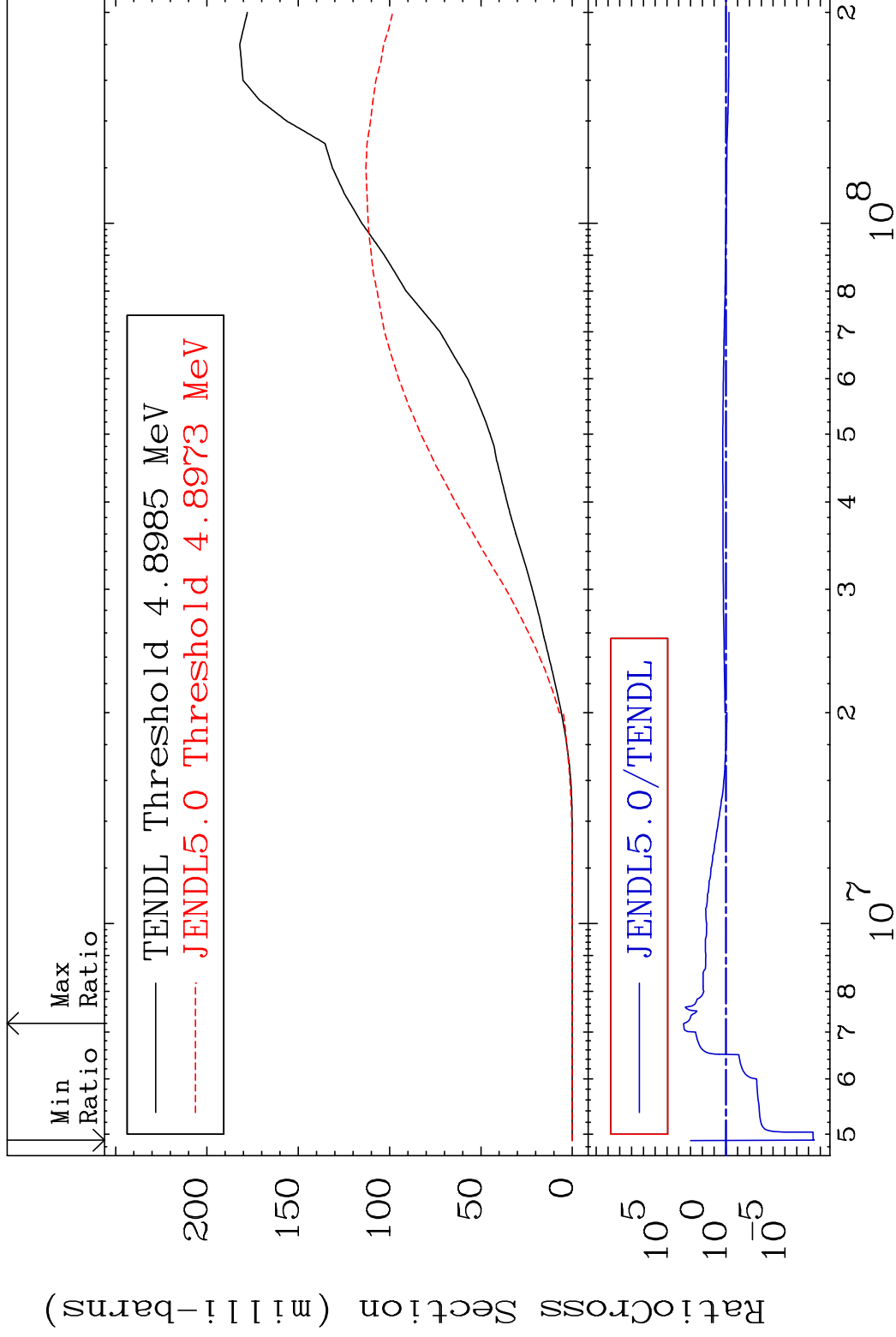
74-W -182

MAT 7431

Deuterium Production

74-W -182

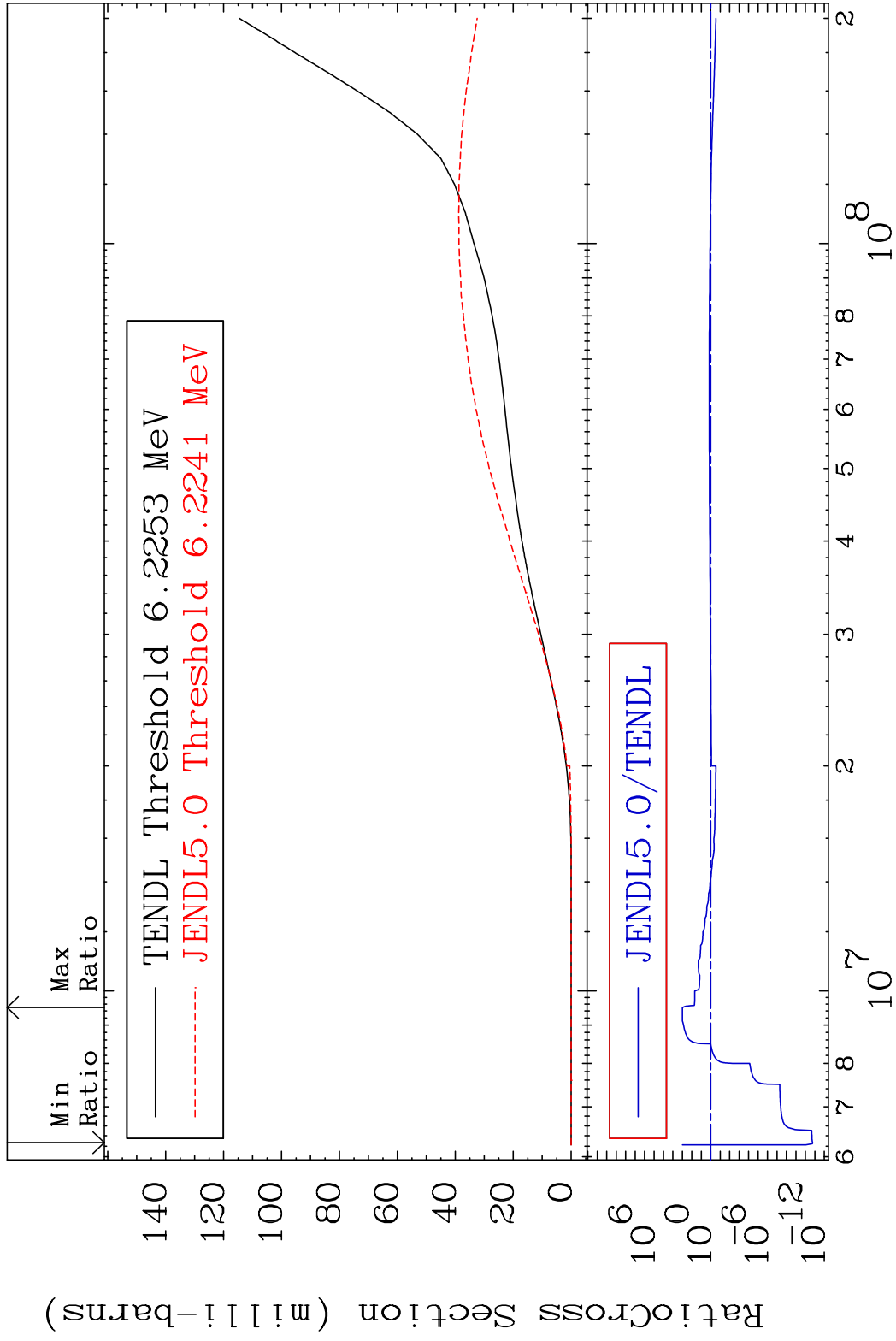
Cross Section -100.0 To 9999. %

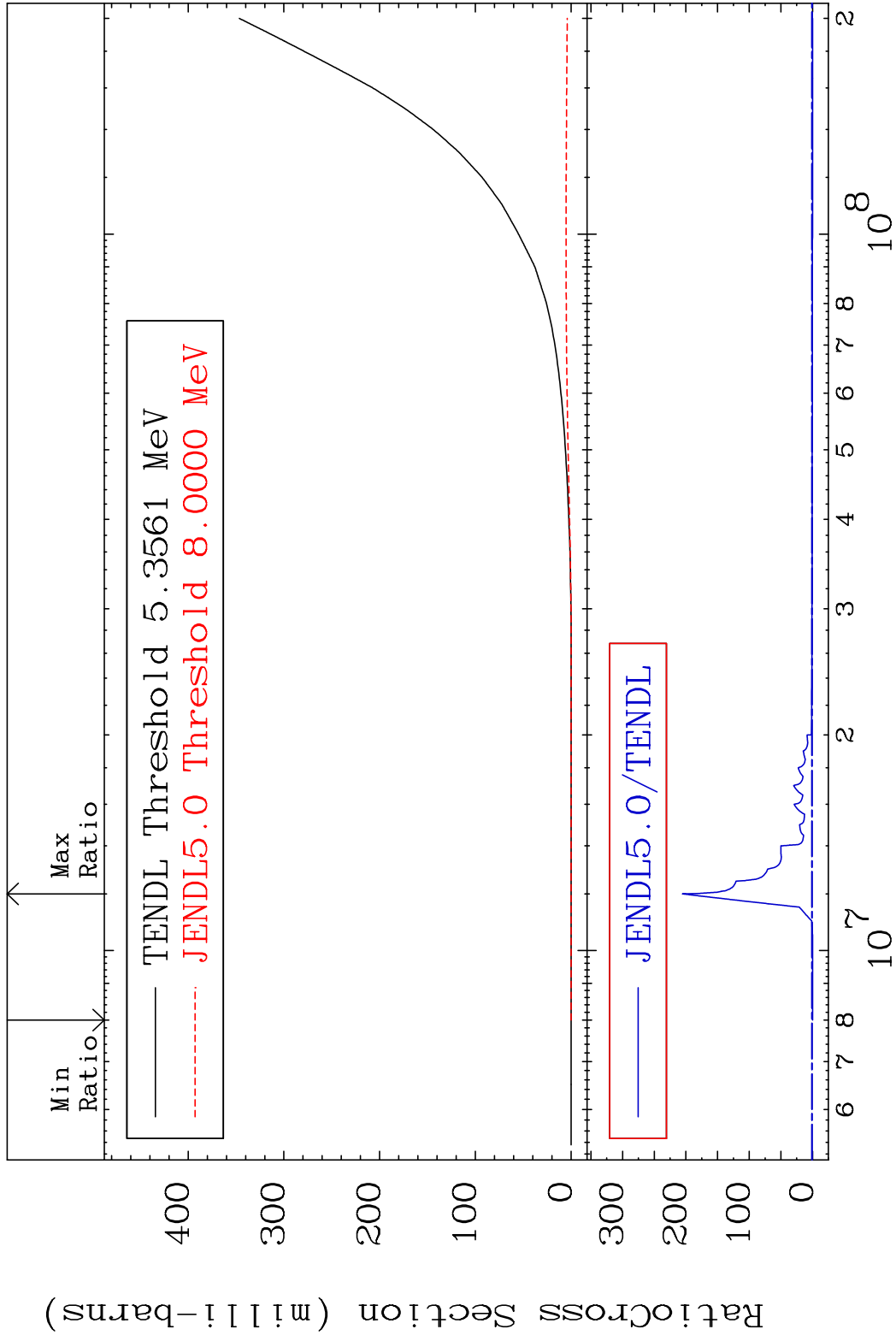


50

Incident Energy (eV)

74-W -182



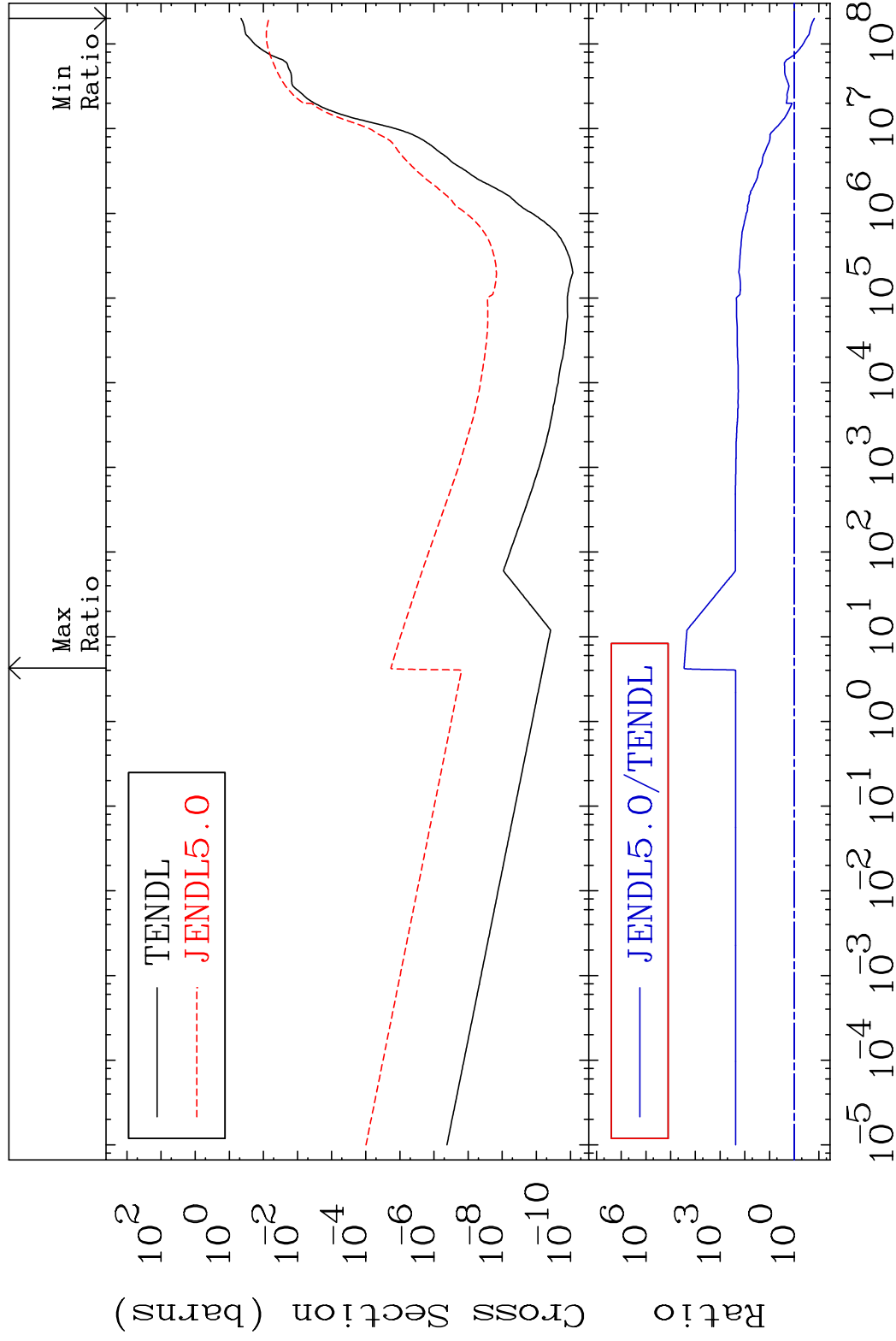


MAT 7431

He-4 Production

74-W -182

Cross Section -84.51 To 9999. %



53

Incident Energy (eV)

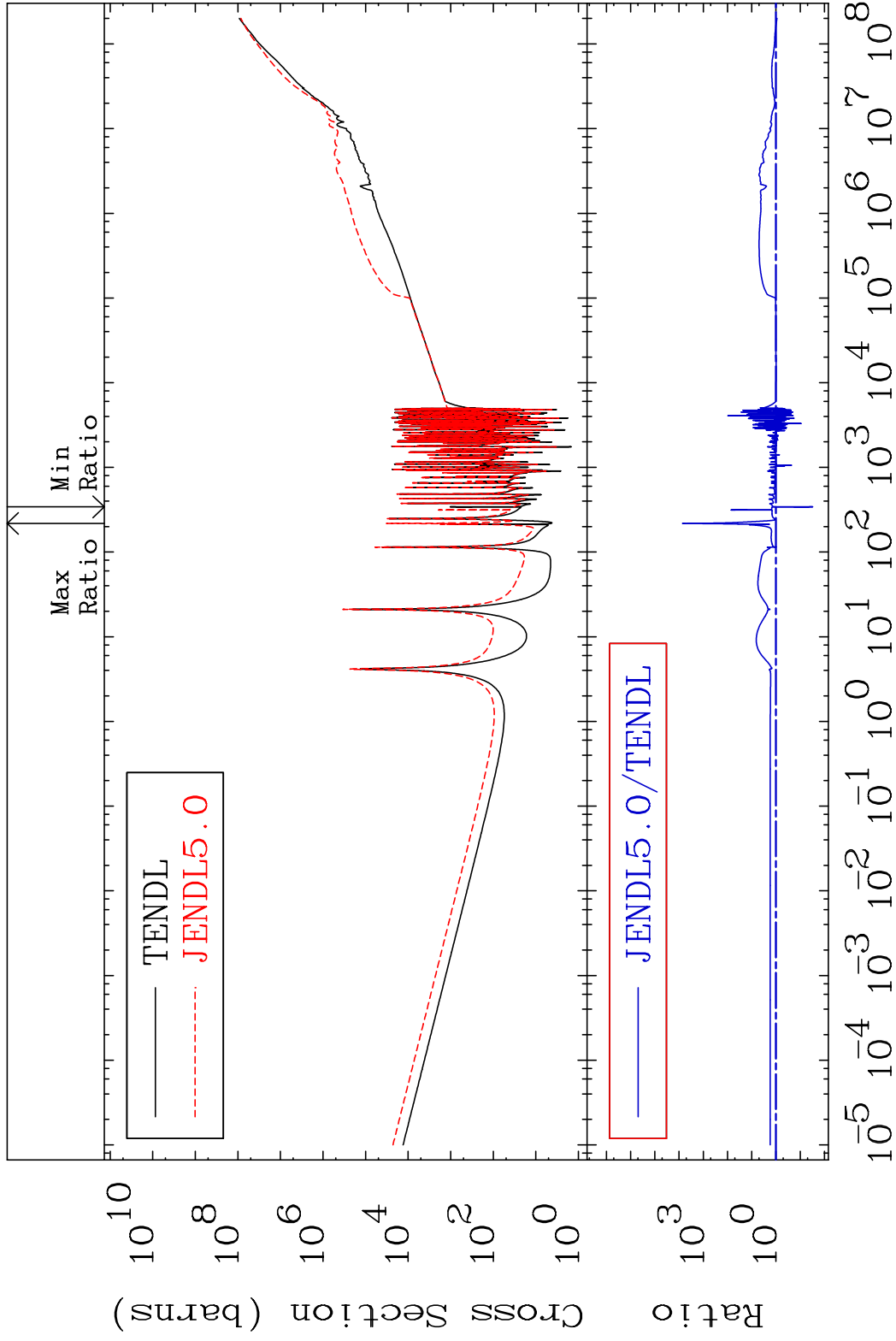
74-W -182

MAT 7431

Kerma total (eV-barns)

74-W -182

Cross Section -96.90 To 9999. %



54

Incident Energy (eV)

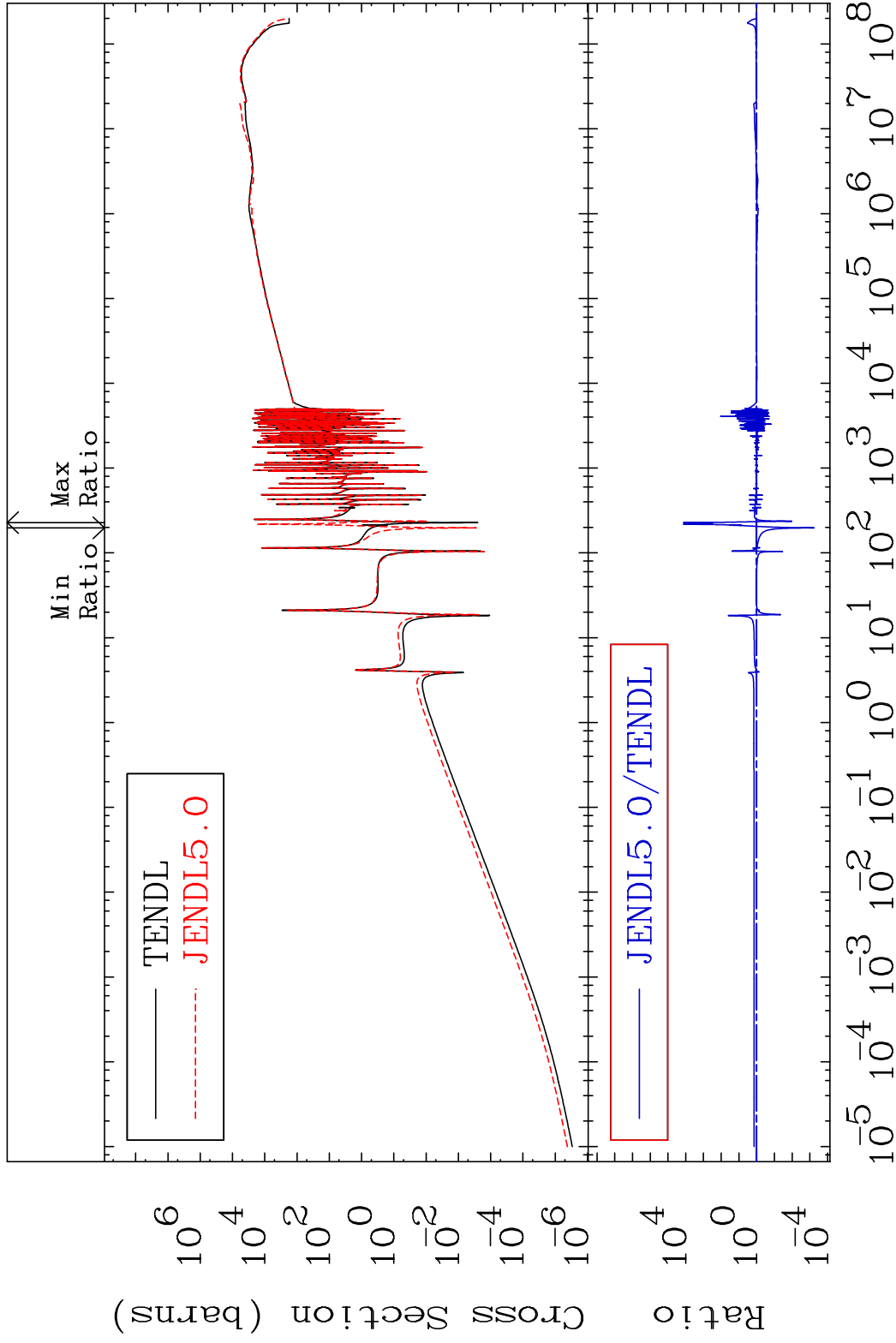
74-W -182

MAT 7431

Kerma elastic

74-W -182

Cross Section -99.94 To 9999. %

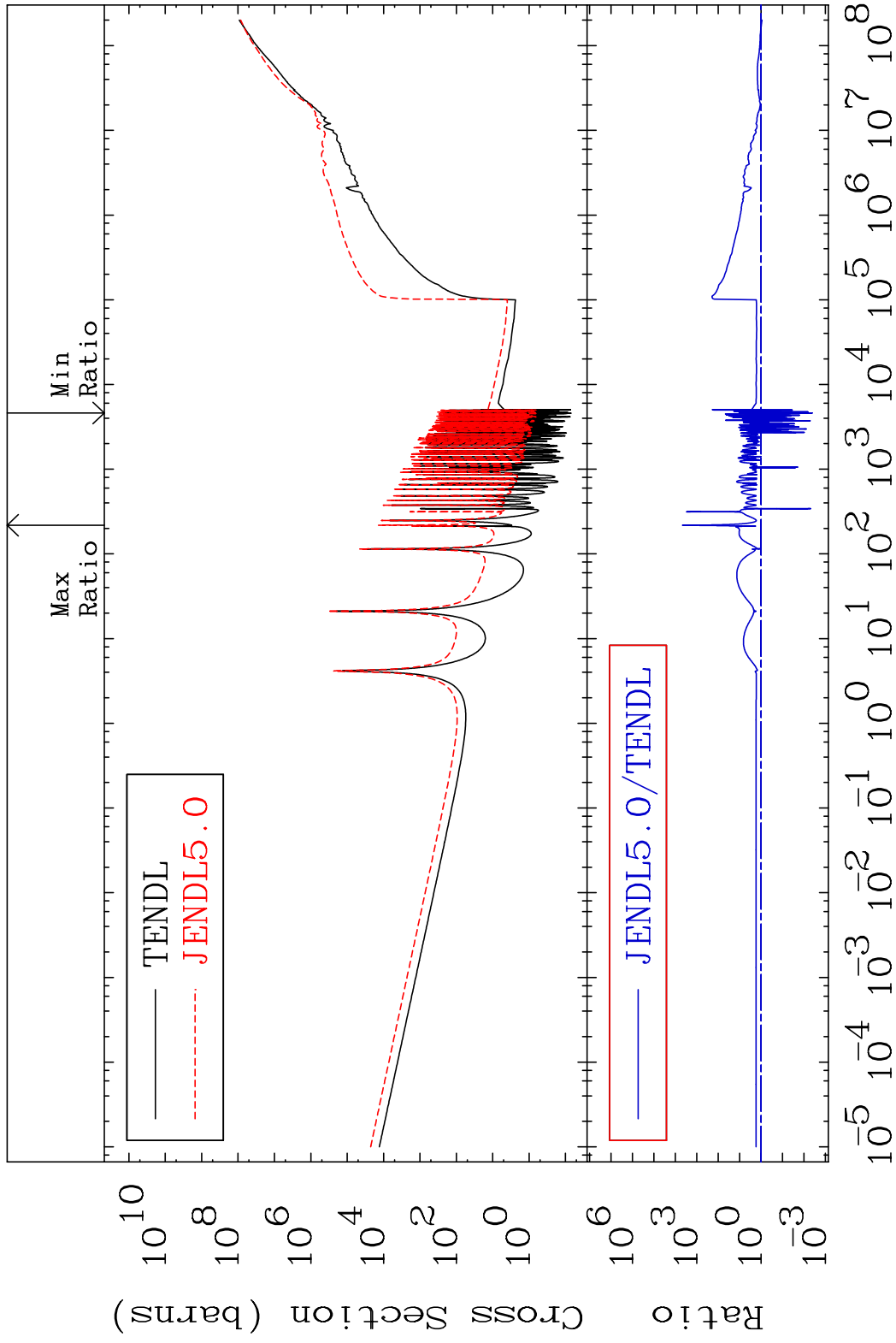


55

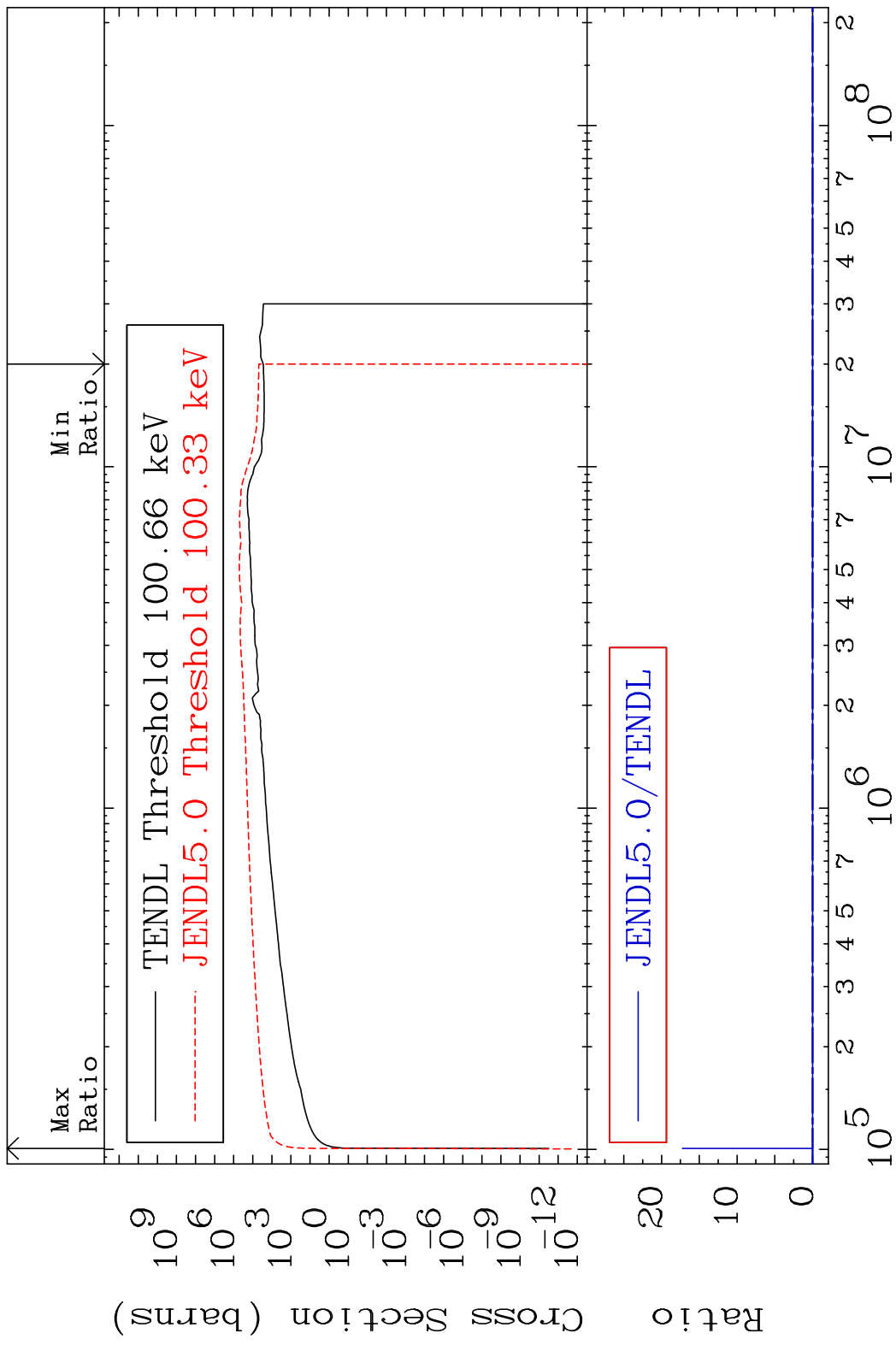
Incident Energy (eV)

74-W -182

MAT 7431 Kerma non-elastic (all but mt2) 74-W -182
 Cross Section -99.60 To 9999. %

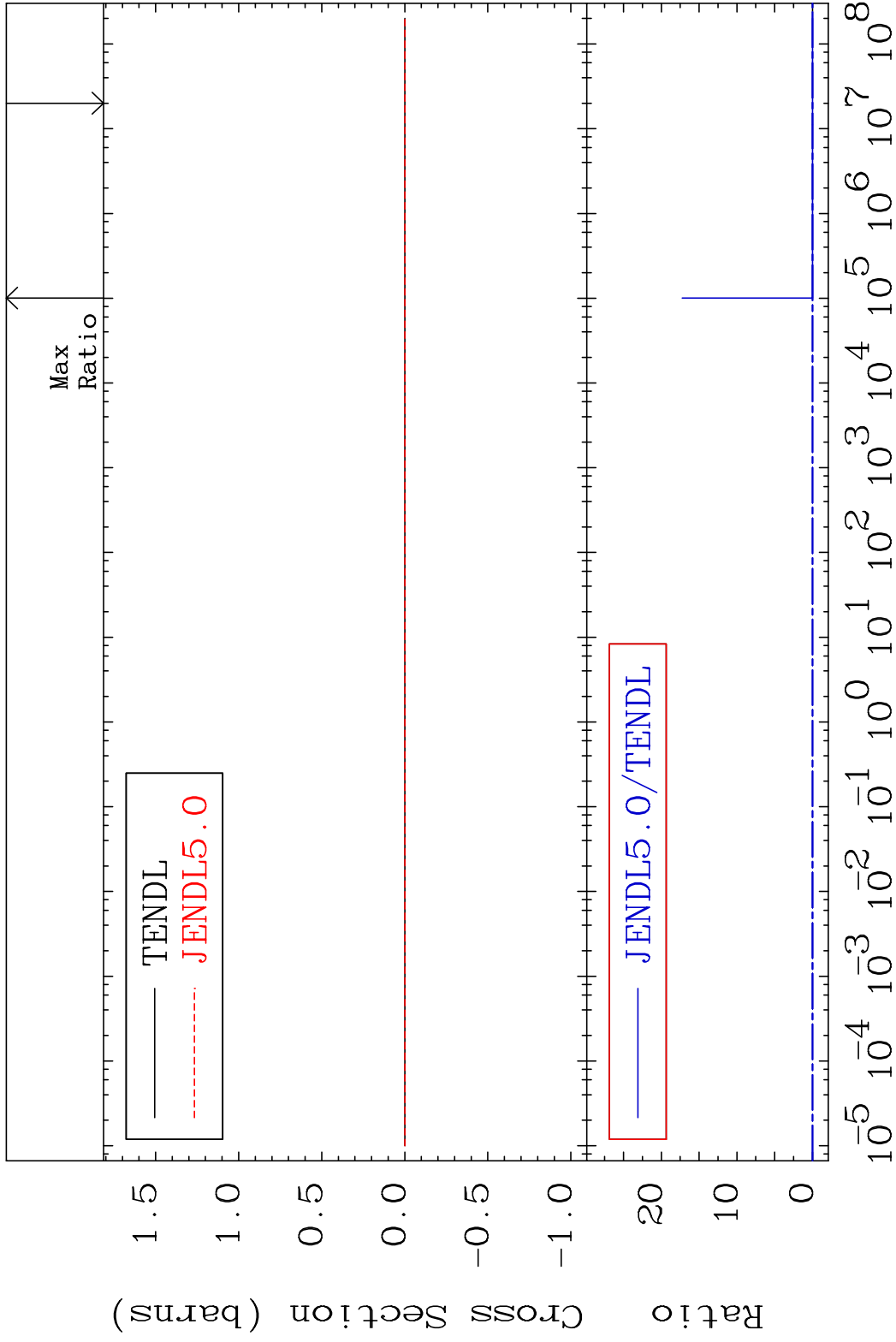


MAT 7431 Kerma inelastic (mt51-91) 74-W -182
 Cross Section -100.0 To 9999. %



57 Incident Energy (eV) 74-W -182

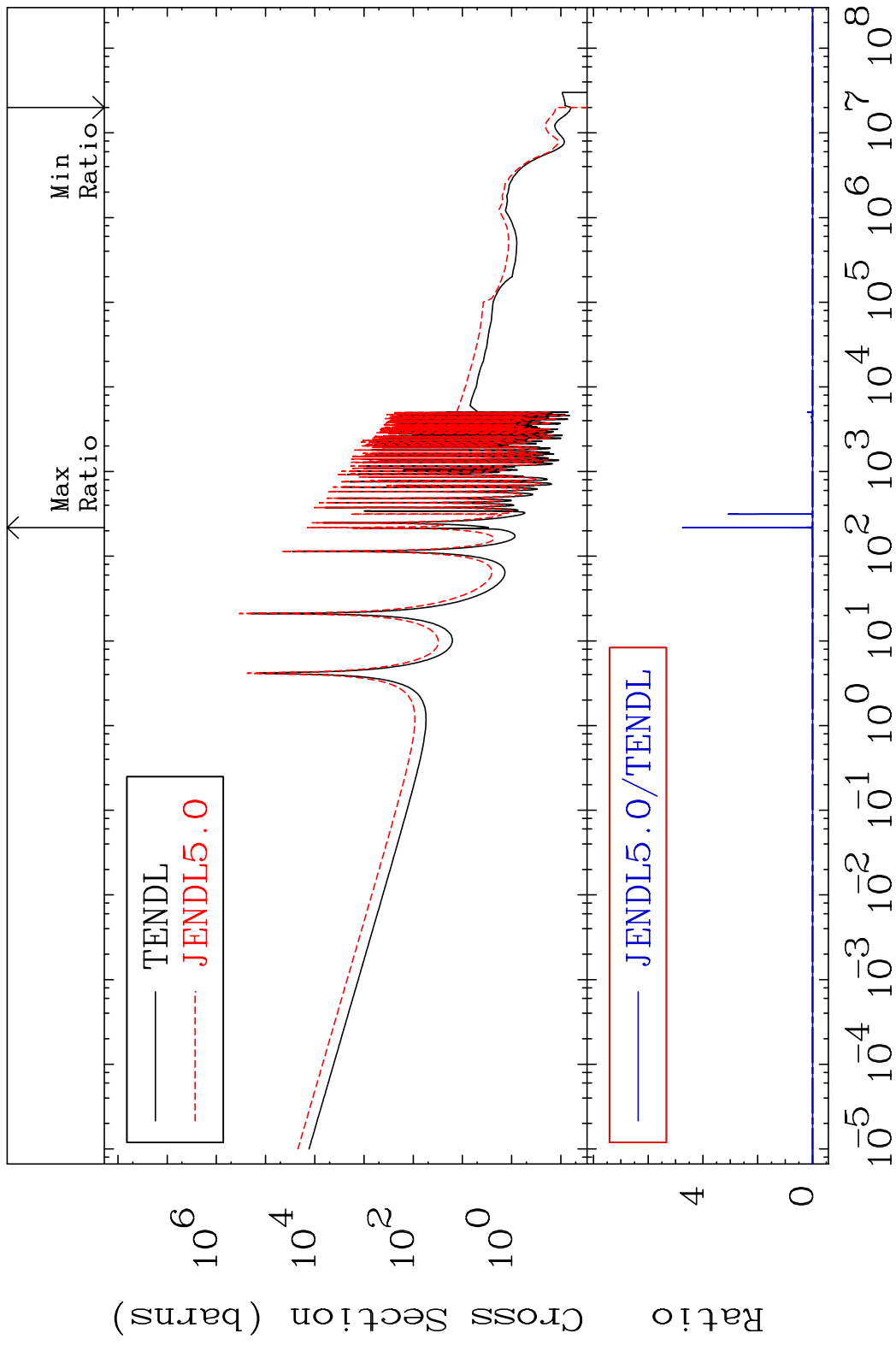
MAT 7431 Kerma fission (mt18 or mt19-20-21-38)74-W -182
 Cross Section -100.0 To 9999. %



MAT 7431

Kerma capture (mt102) 74-W -182

Cross Section -100.0 To 9999. %

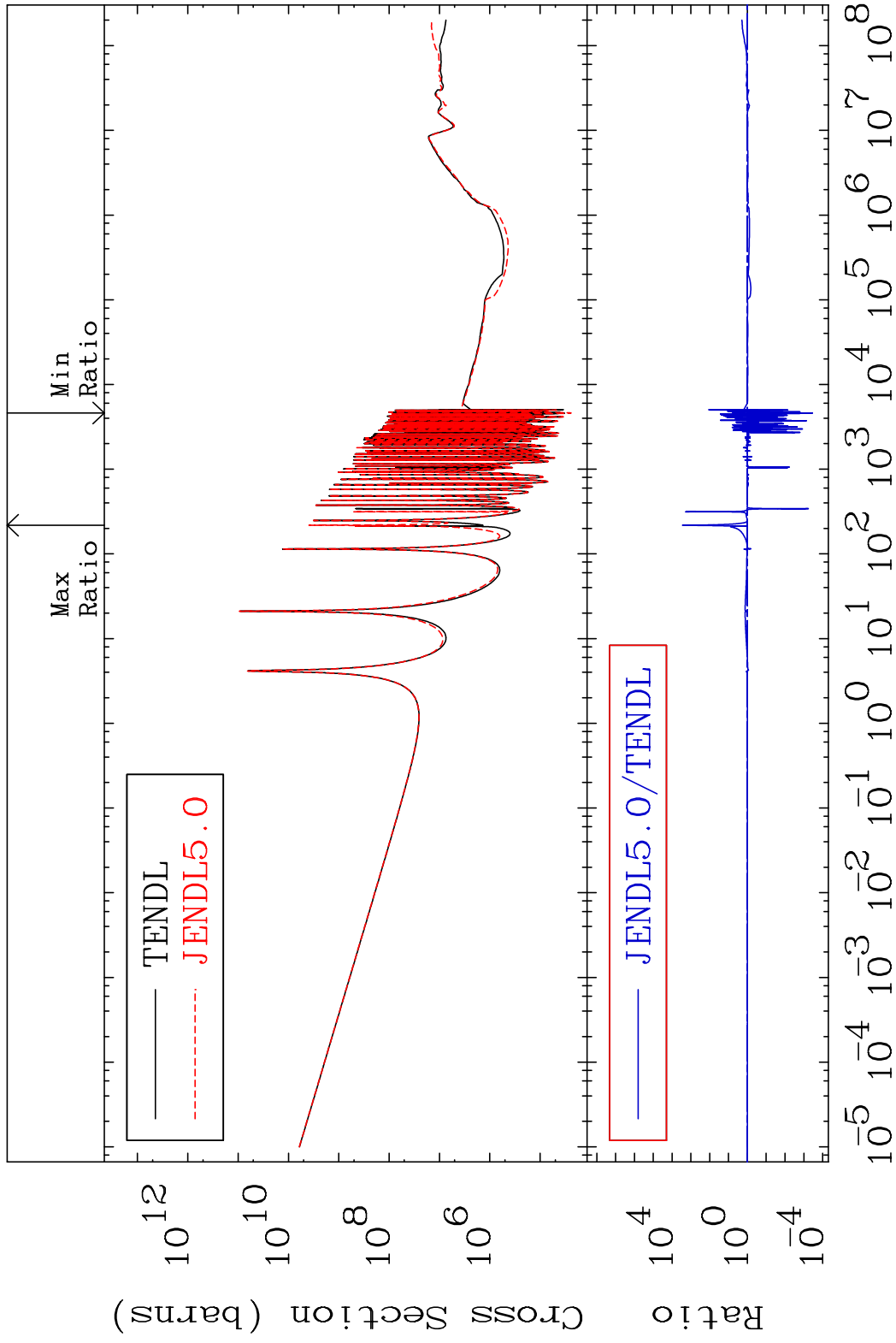


59

Incident Energy (eV) 74-W -182

MAT 7431

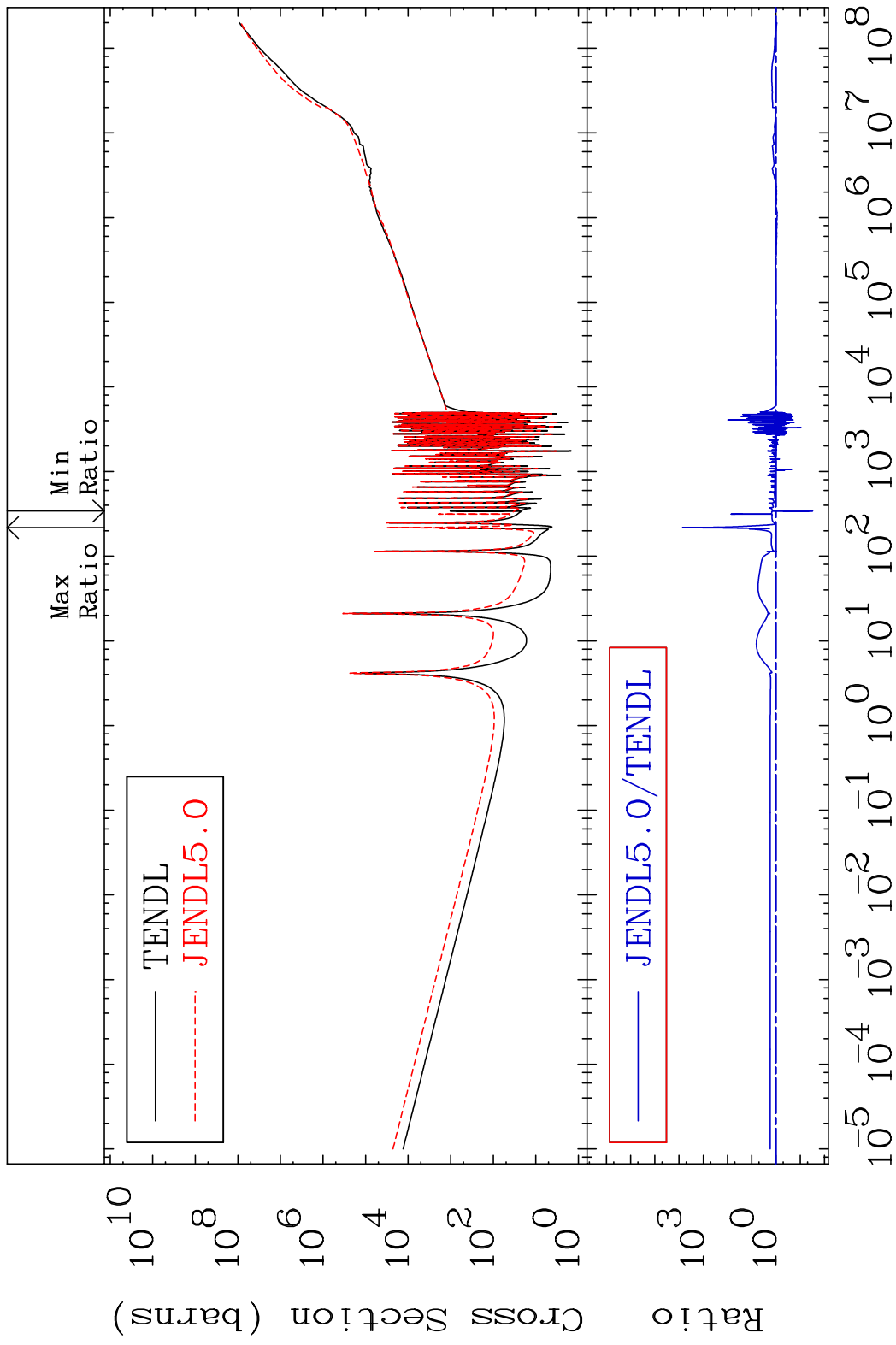
Total photon (eV-barns) 74-W -182
Cross Section -99.97 To 9999. %



60

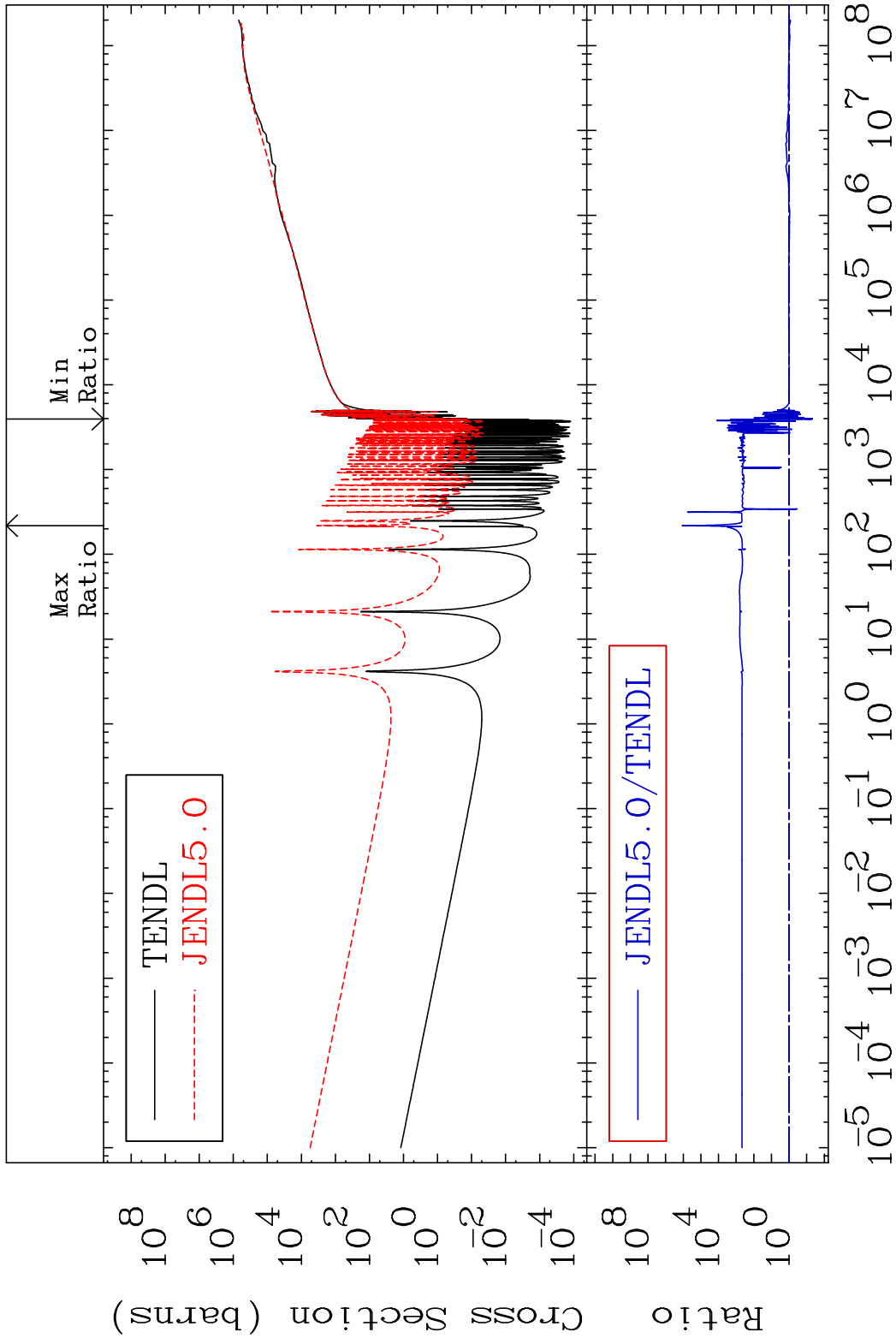
Incident Energy (eV) 74-W -182

MAT 7431 Total kinematic kerma (high limit) 74-W -182
 Cross Section -96.90 To 9999. %



MAT 7431

Dpa total (eV-barns) 74-W -182
Cross Section -95.33 To 9999. %



62

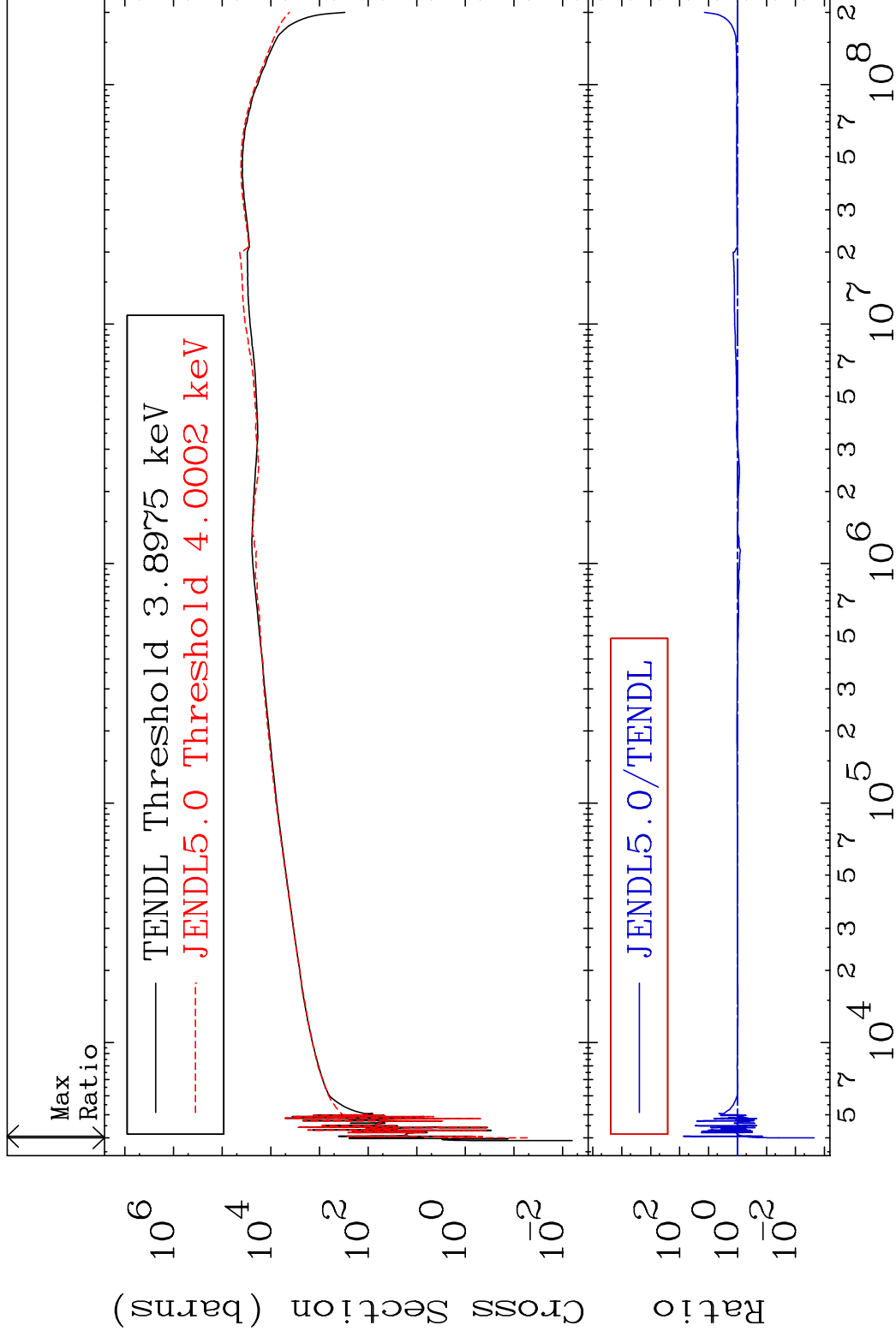
Incident Energy (eV) 74-W -182

MAT 7431

Dpa elastic (mt2)

74-W -182

Cross Section -99.77 To 7181. %

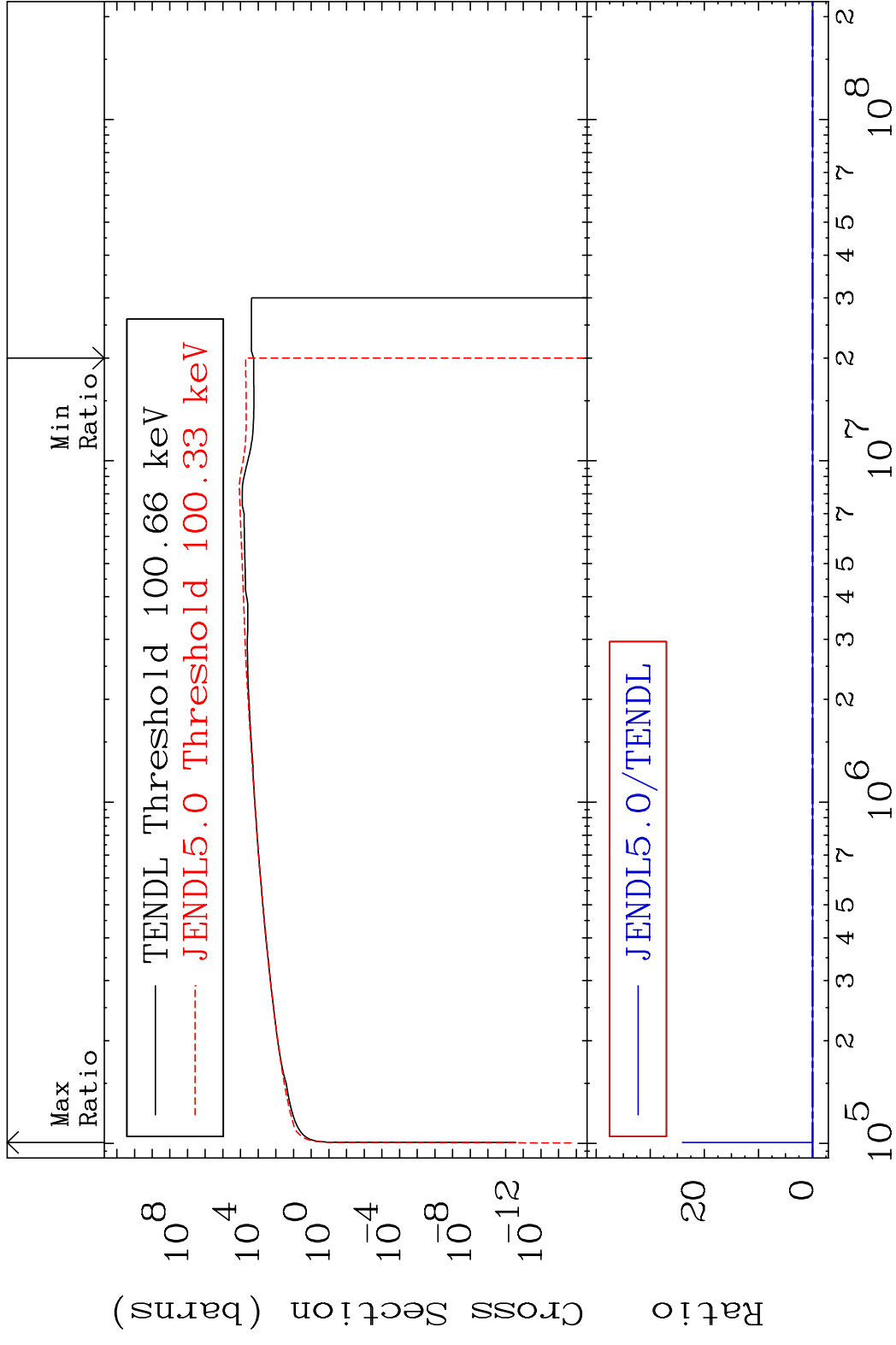


63

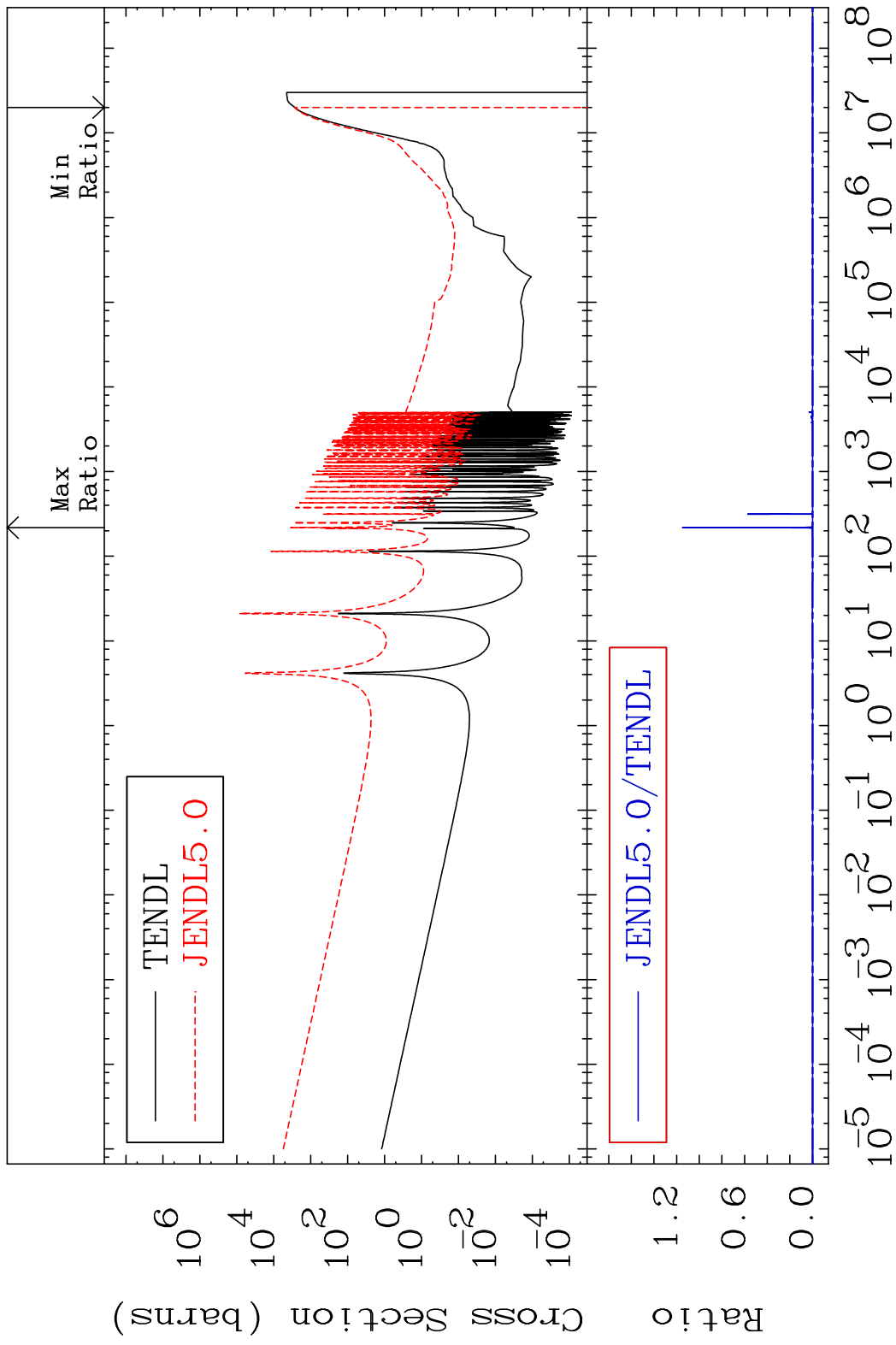
Incident Energy (eV)

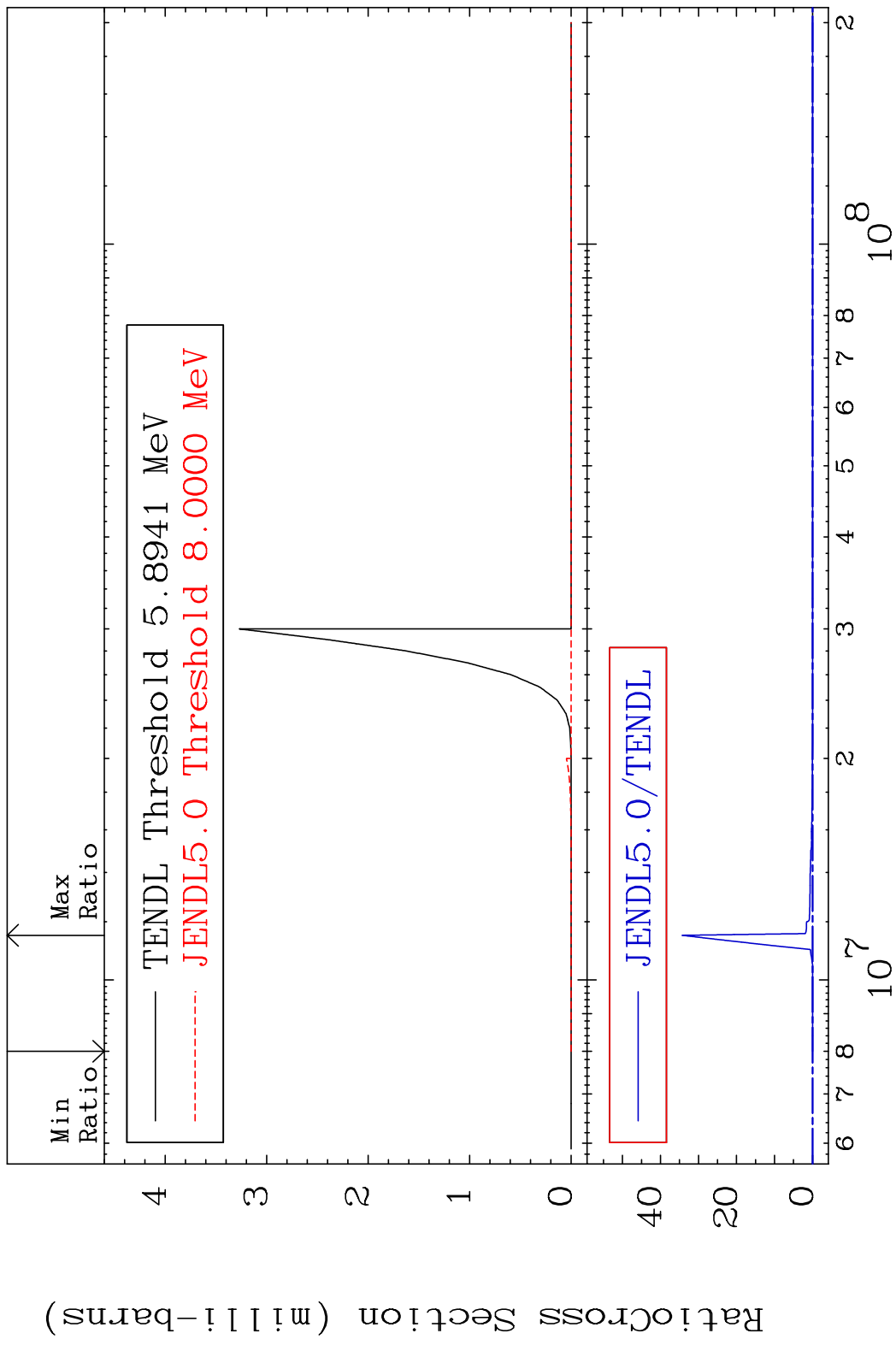
74-W -182

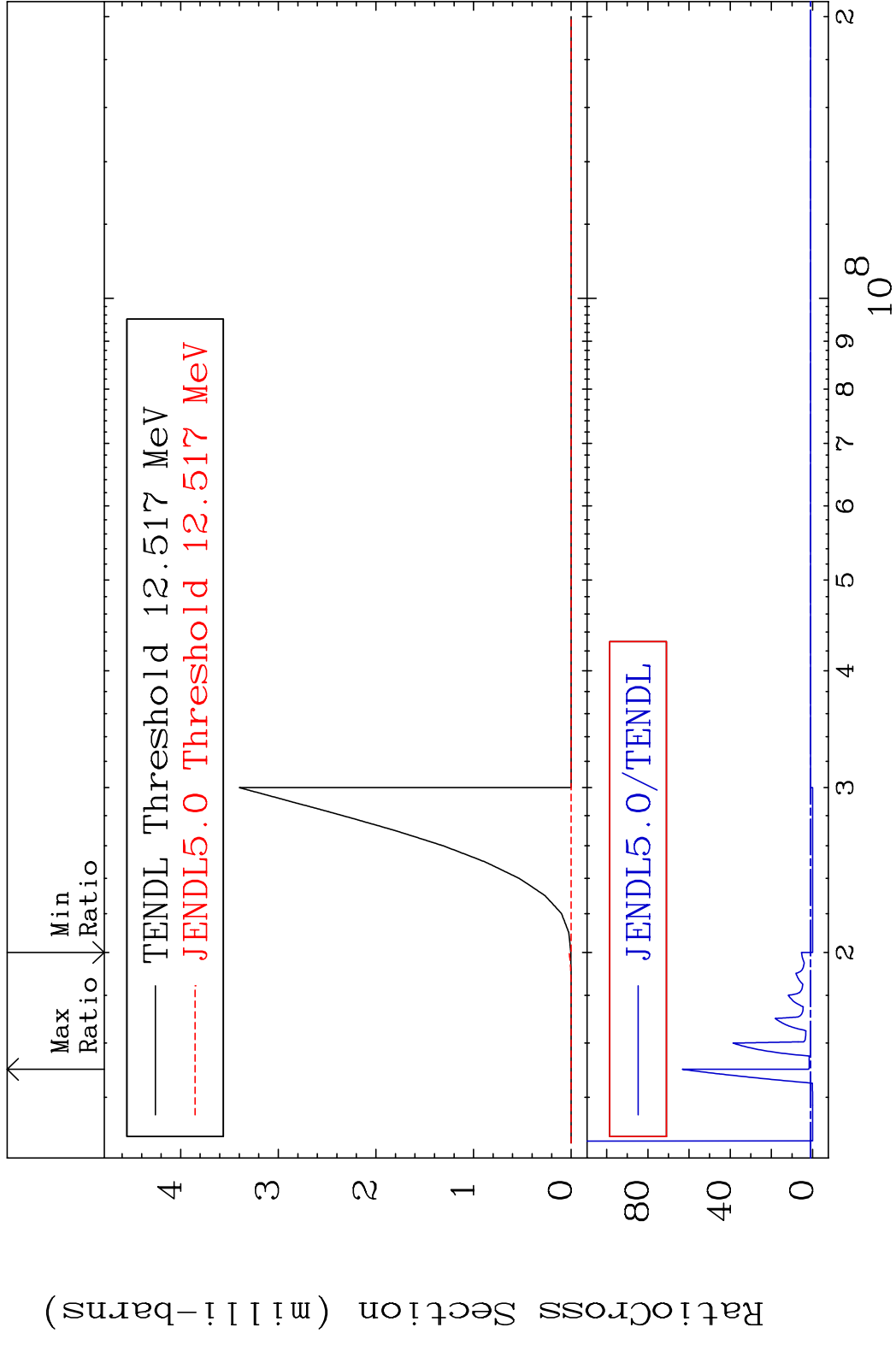
MAT 7431 Dpa inelastic (mt51-91) 74-W -182
 Cross Section -100.0 To 9999. %

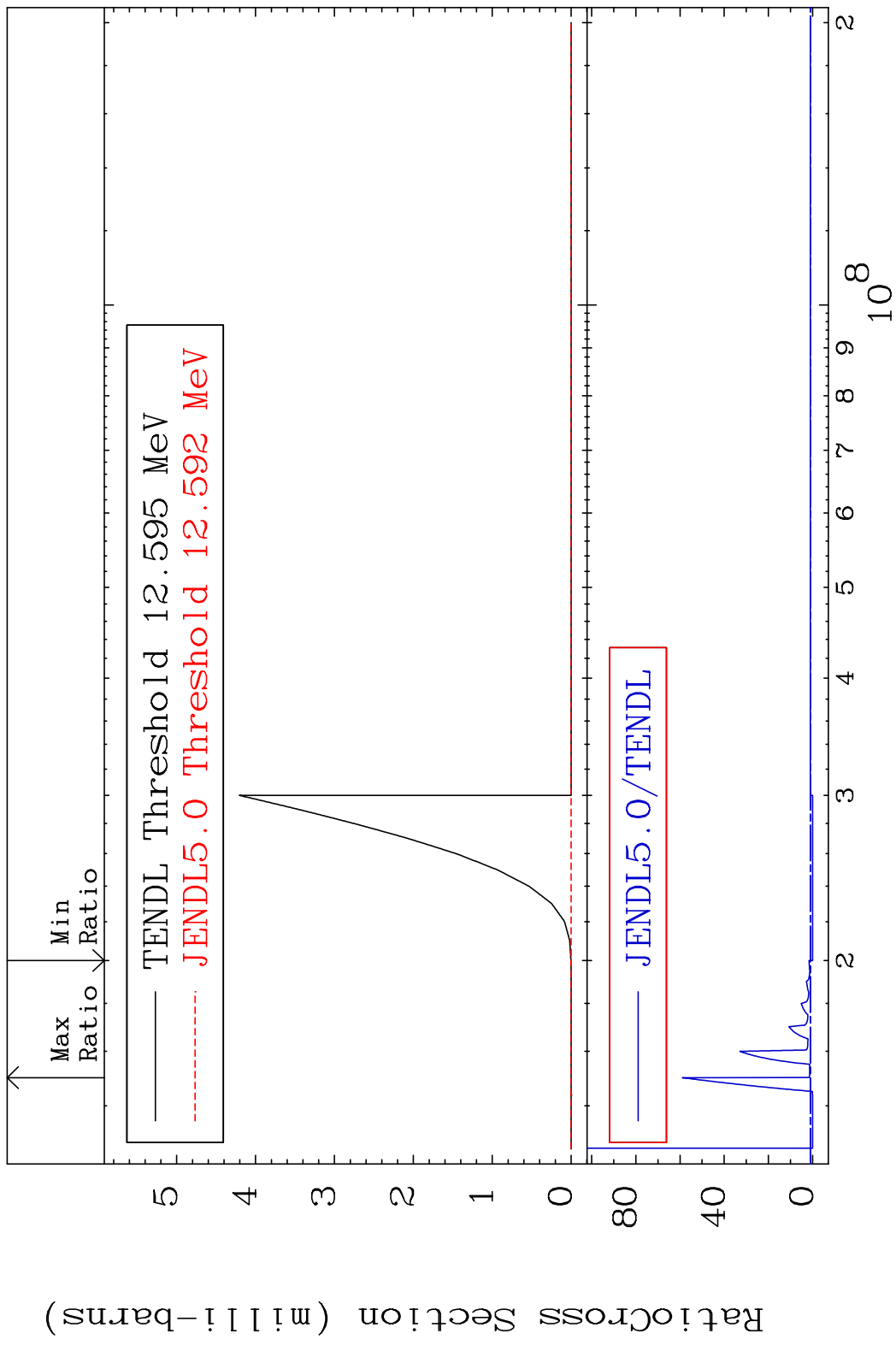


MAT 7431 Dpa disappearance (mt102 -120) 74-W -182
 Cross Section -100.0 To 9999. %

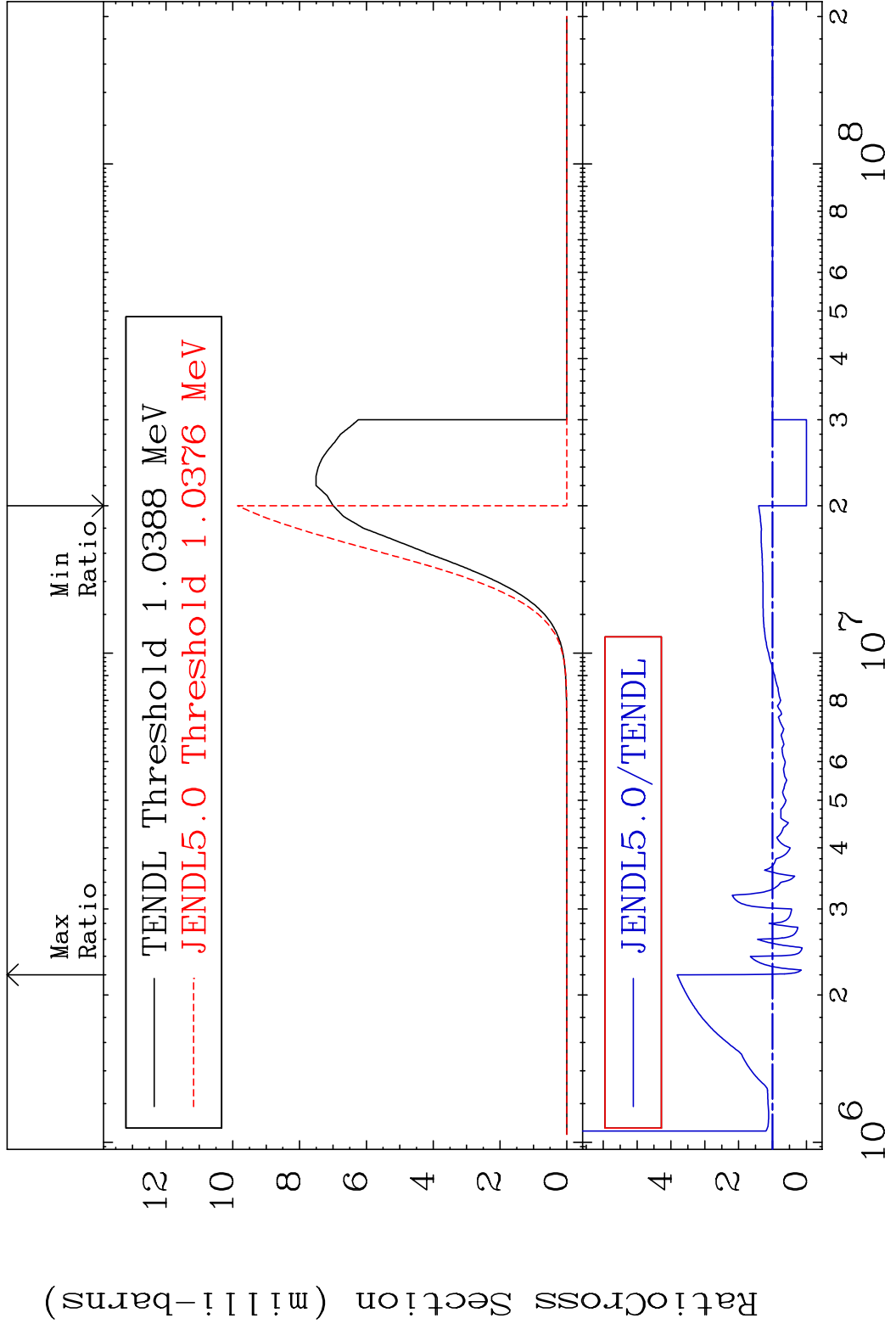






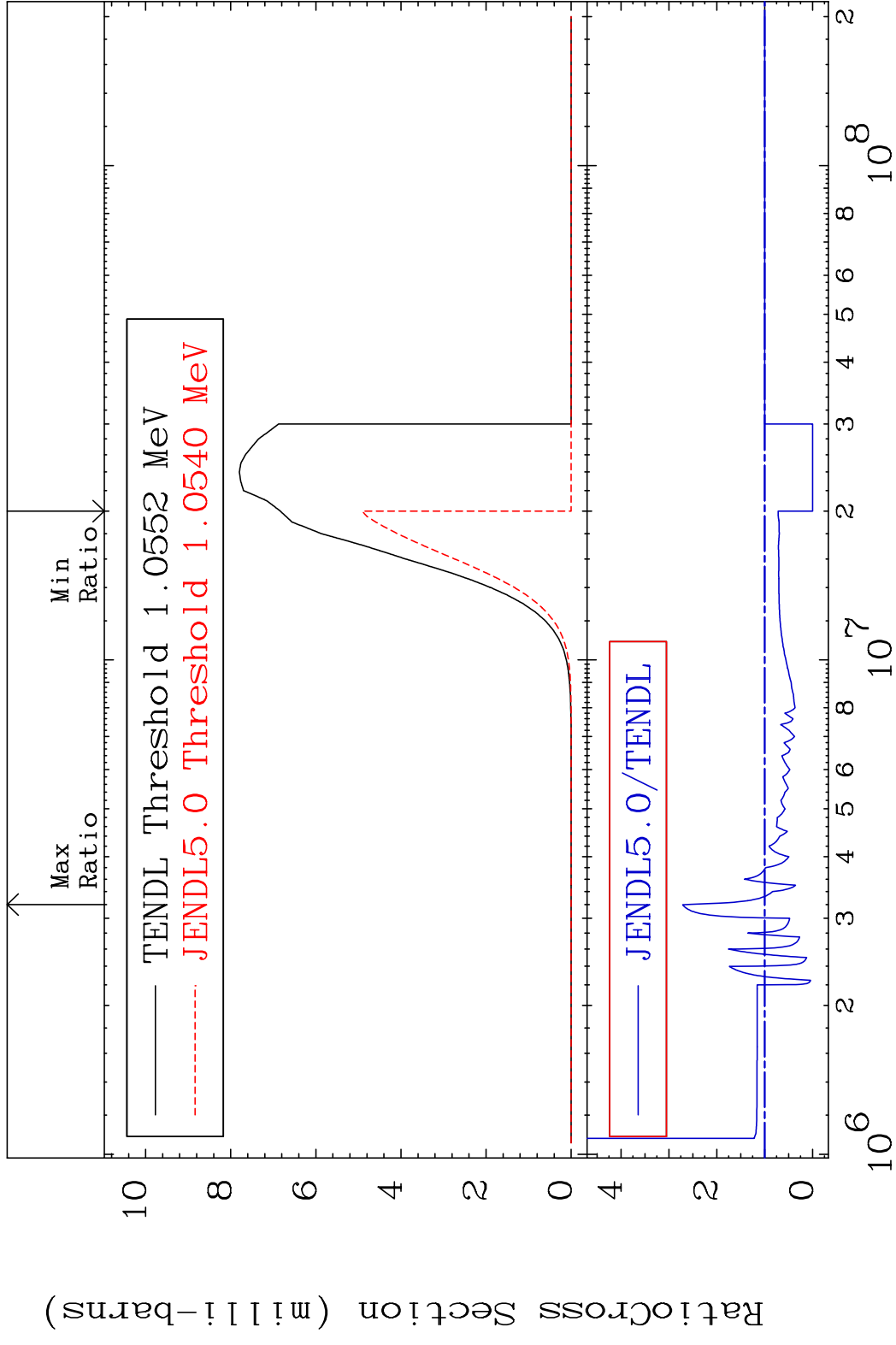


MAT 7431 (n,p):73-Ta-182g 74-W -182
 Radionuclide Production Cross Section 180.01 dth 281.5 %



69 Incident Energy (eV) 74-W -182

MAT 7431 (n, p): 73-Ta-182m1 74-W -182
 Radionuclide Production Cross Section 182m1 Ta 171.9 %



70 Incident Energy (eV) 74-W -182

