

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

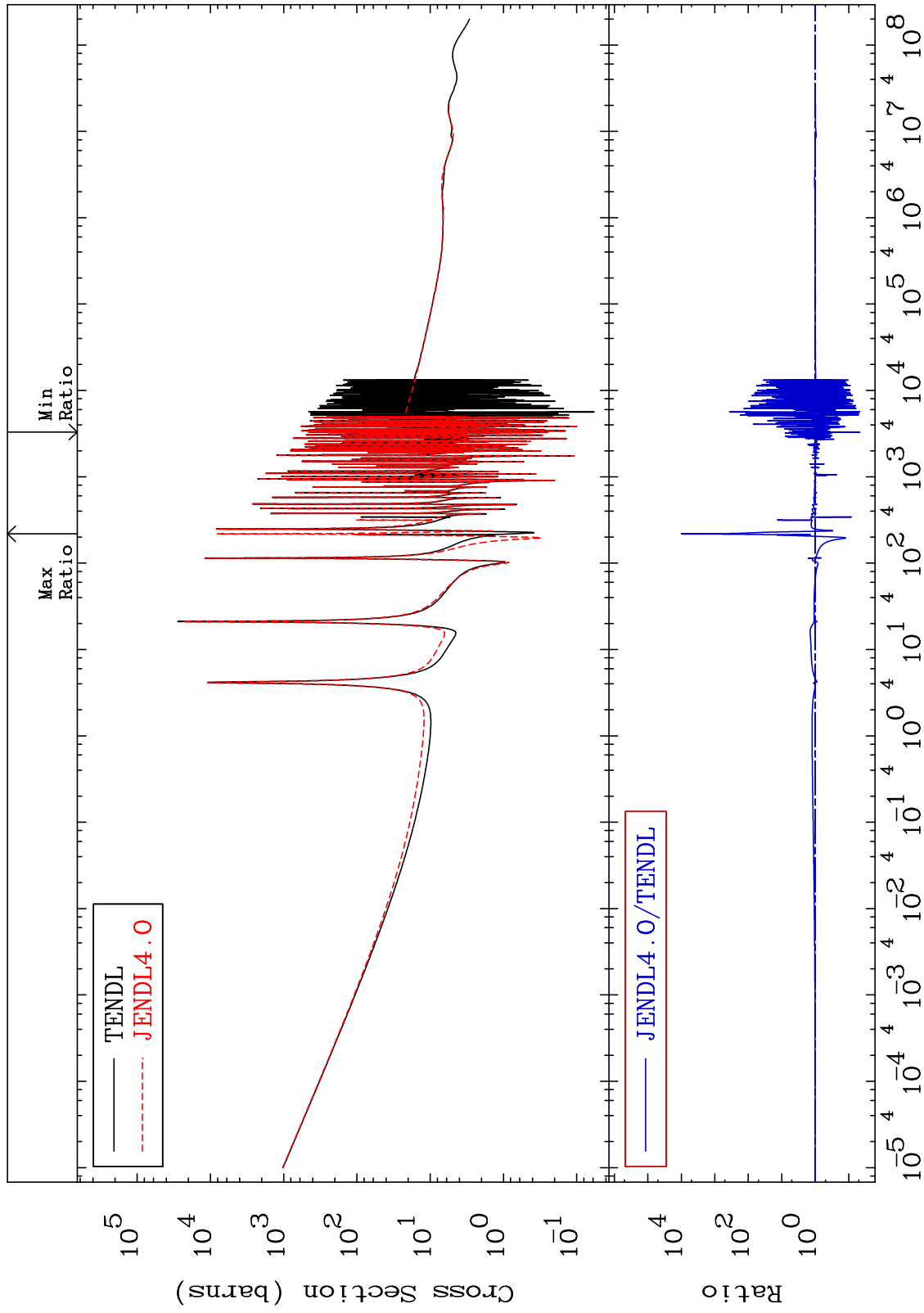
MAT 7431

Total

74-W -182

Cross Section

-95.31 To 9999. %



1

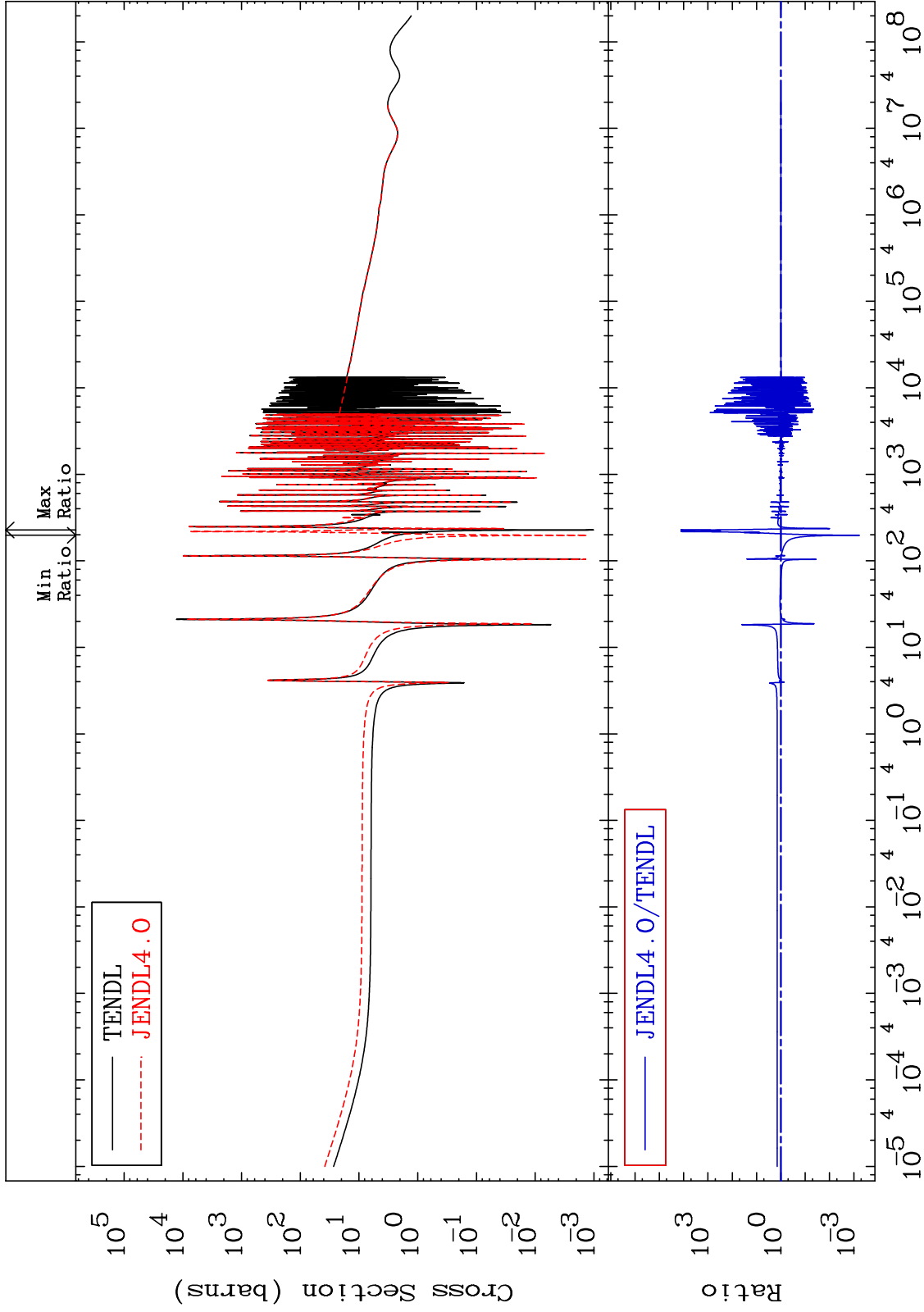
Incident Energy (eV)

74-W -182

MAT 7431

Elastic
Cross Section

74-W -182
-99.94 To 9999. %

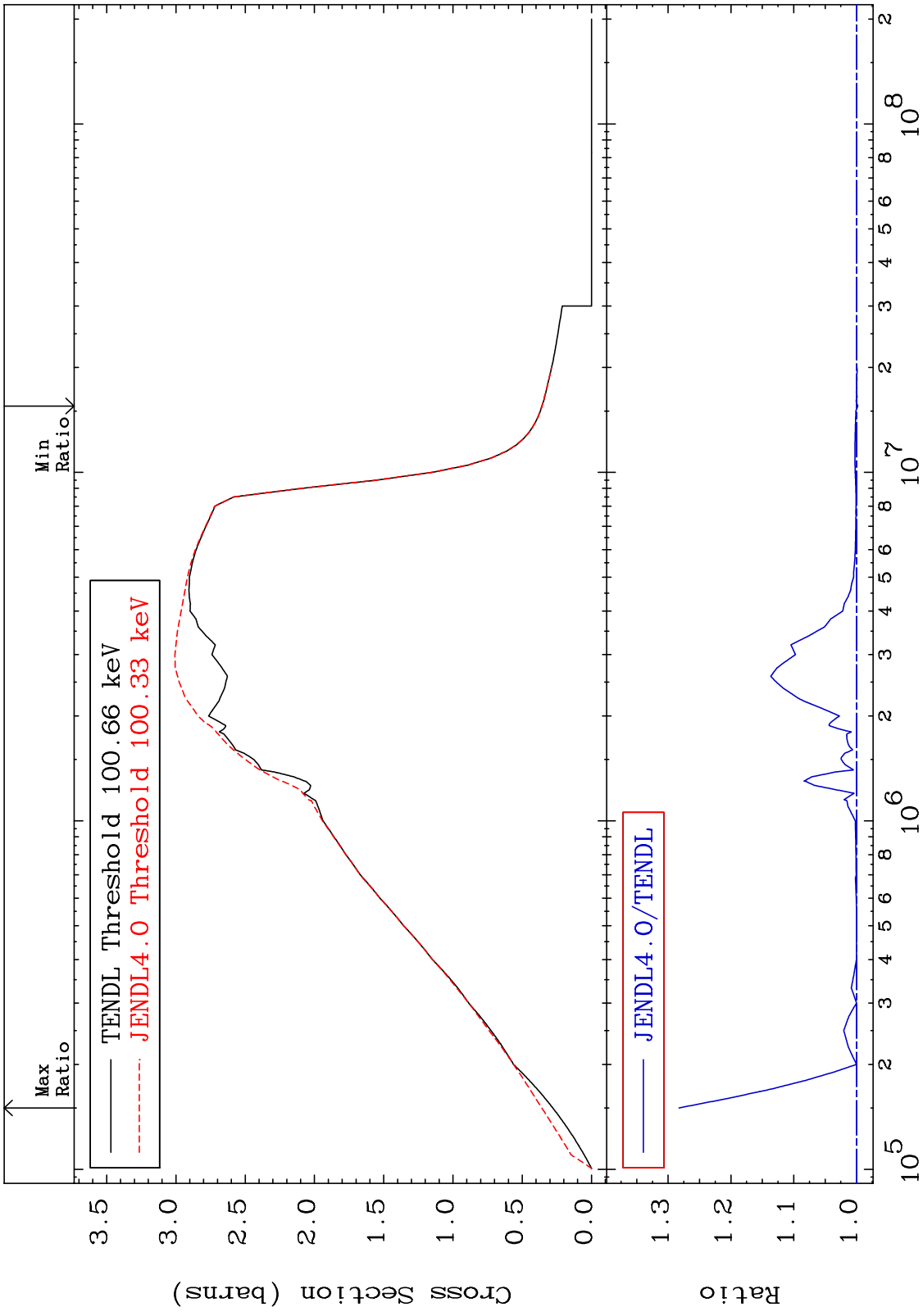


2

Incident Energy (eV)

74-W -182

MAT 7431 Inelastic Cross Section 74-W -182
-0.207 To 28.26 %



3 Incident Energy (eV) 74-W -182

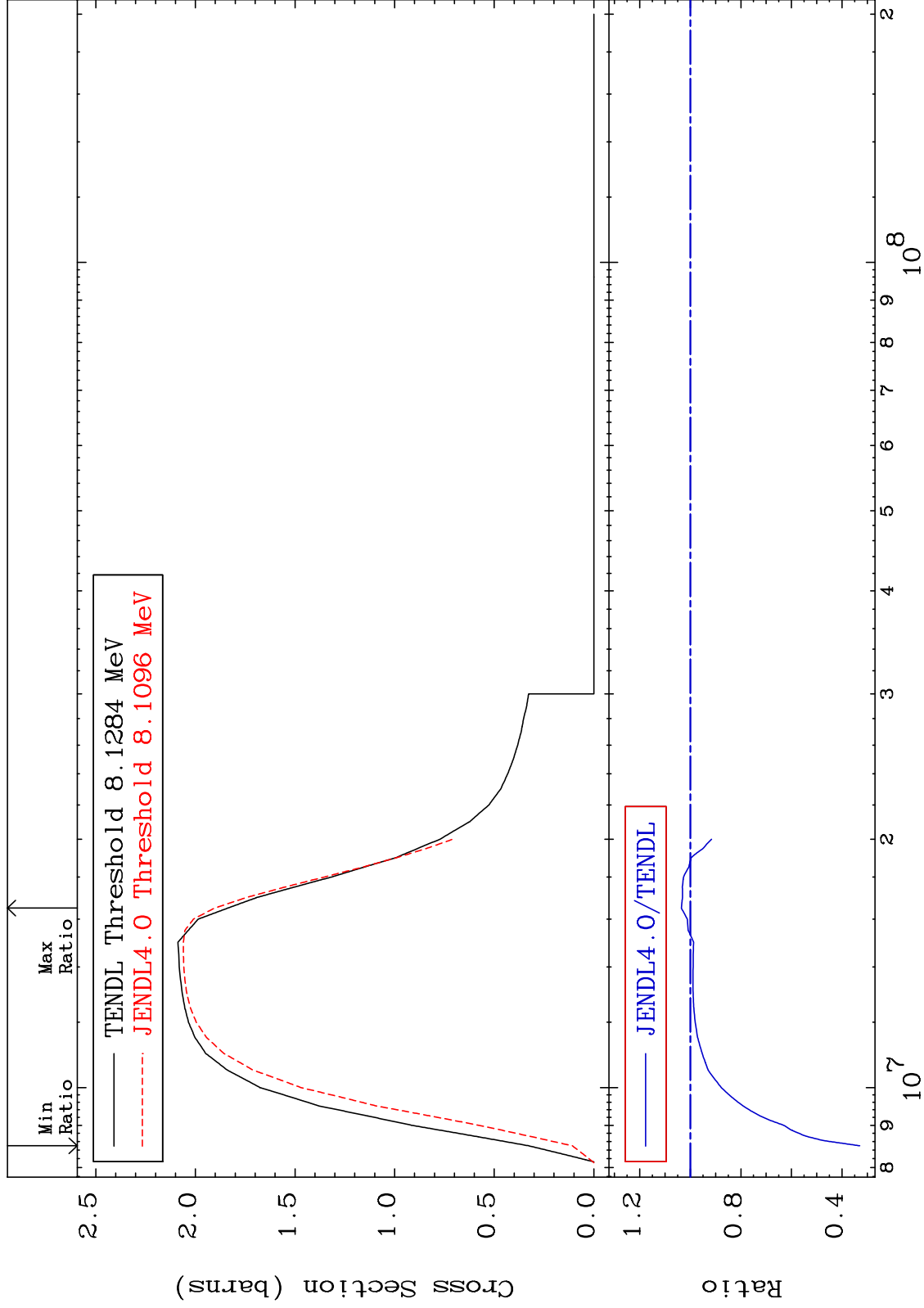
MAT 7431

(n,2n)

74-W -182

-67.02 To 3.589 %

Cross Section



4

Incident Energy (eV)

74-W -182

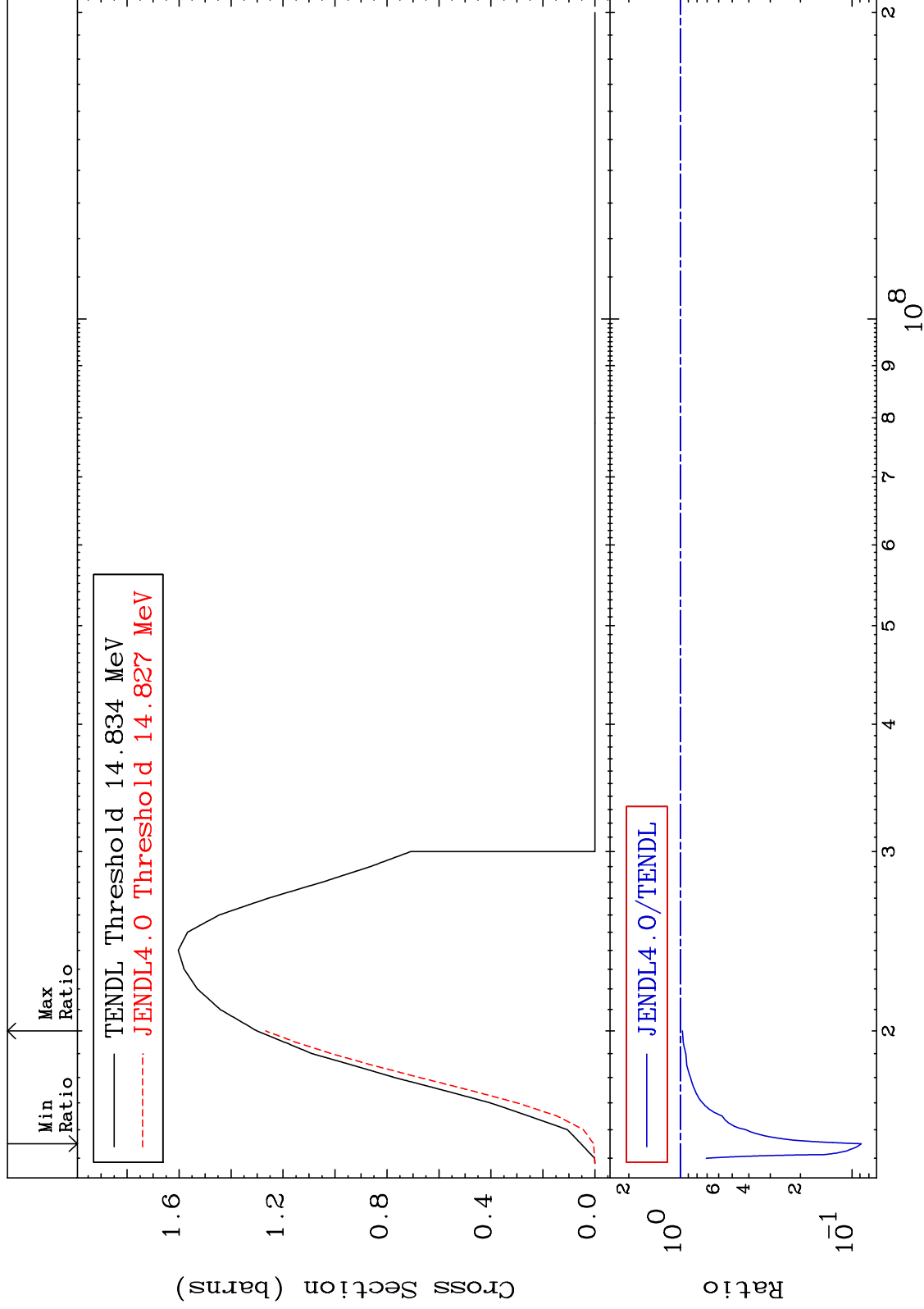
MAT 7431

(n,3n)

74-W -182

Cross Section

-91.15 To -2.581%



5

Incident Energy (eV)

74-W -182

MAT 7431

(n, n') α

74-W -182

-100.0 To 9999. %

Cross Section

Min Ratio

Max Ratio

TENDL Threshold 13.253 keV
JENDL4.0 Threshold 500.00 keV

Cross Section (milli-barns)

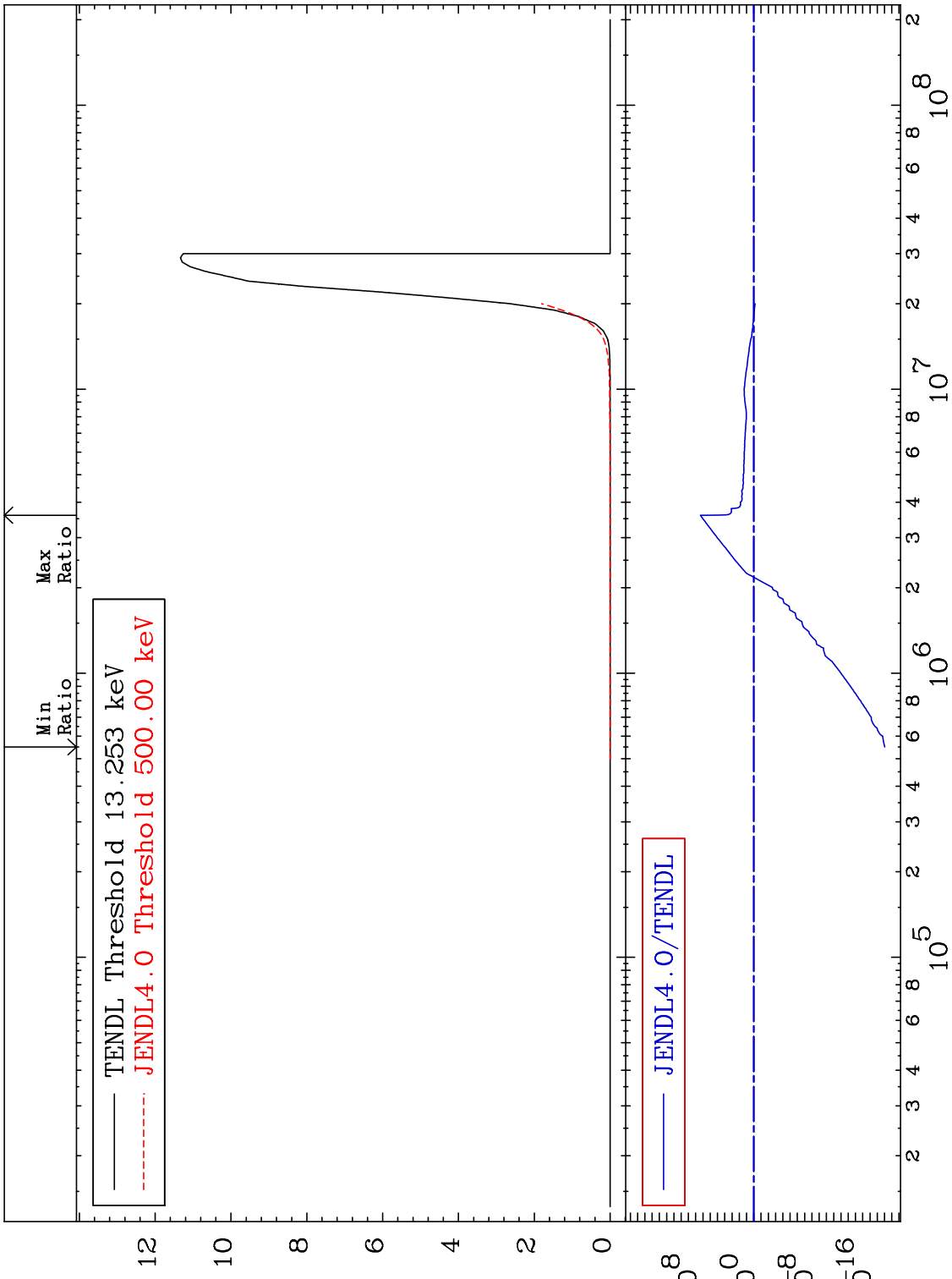
JENDL4.0/TENDL

Ratio

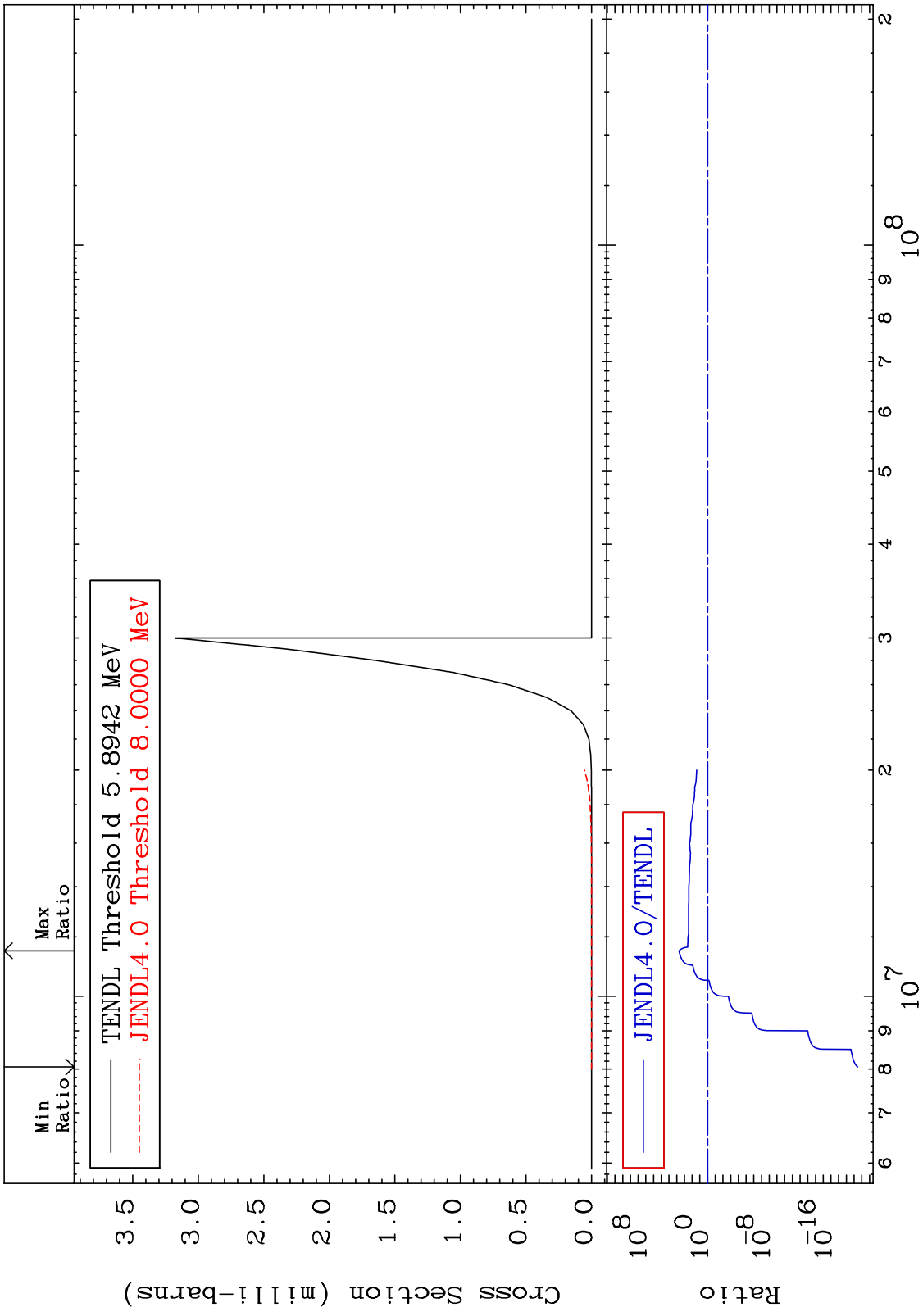
6

Incident Energy (eV)

74-W -182

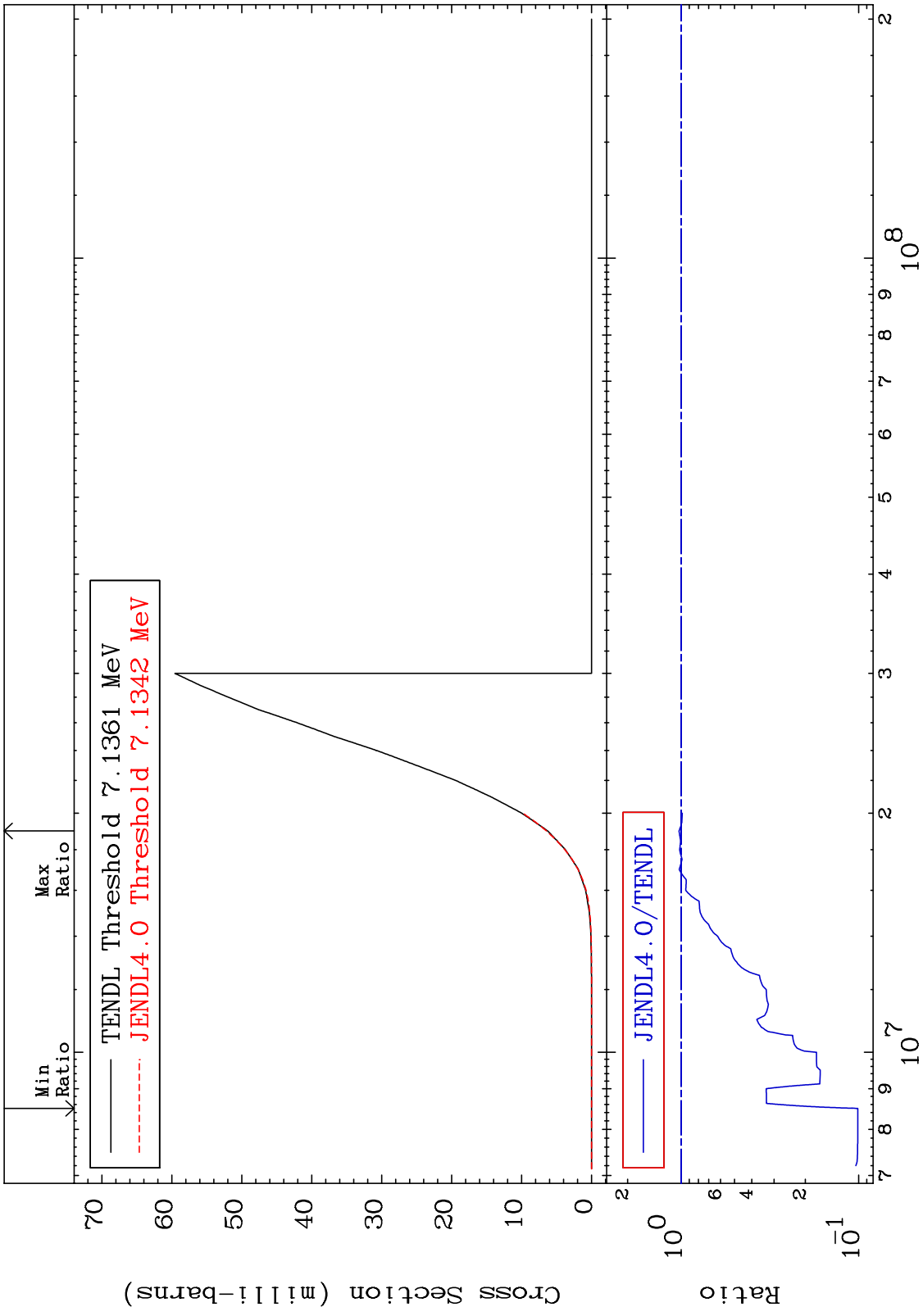


MAT 7431 (n,2n) α 74-W -182
 Cross Section -100.0 To 9999. %



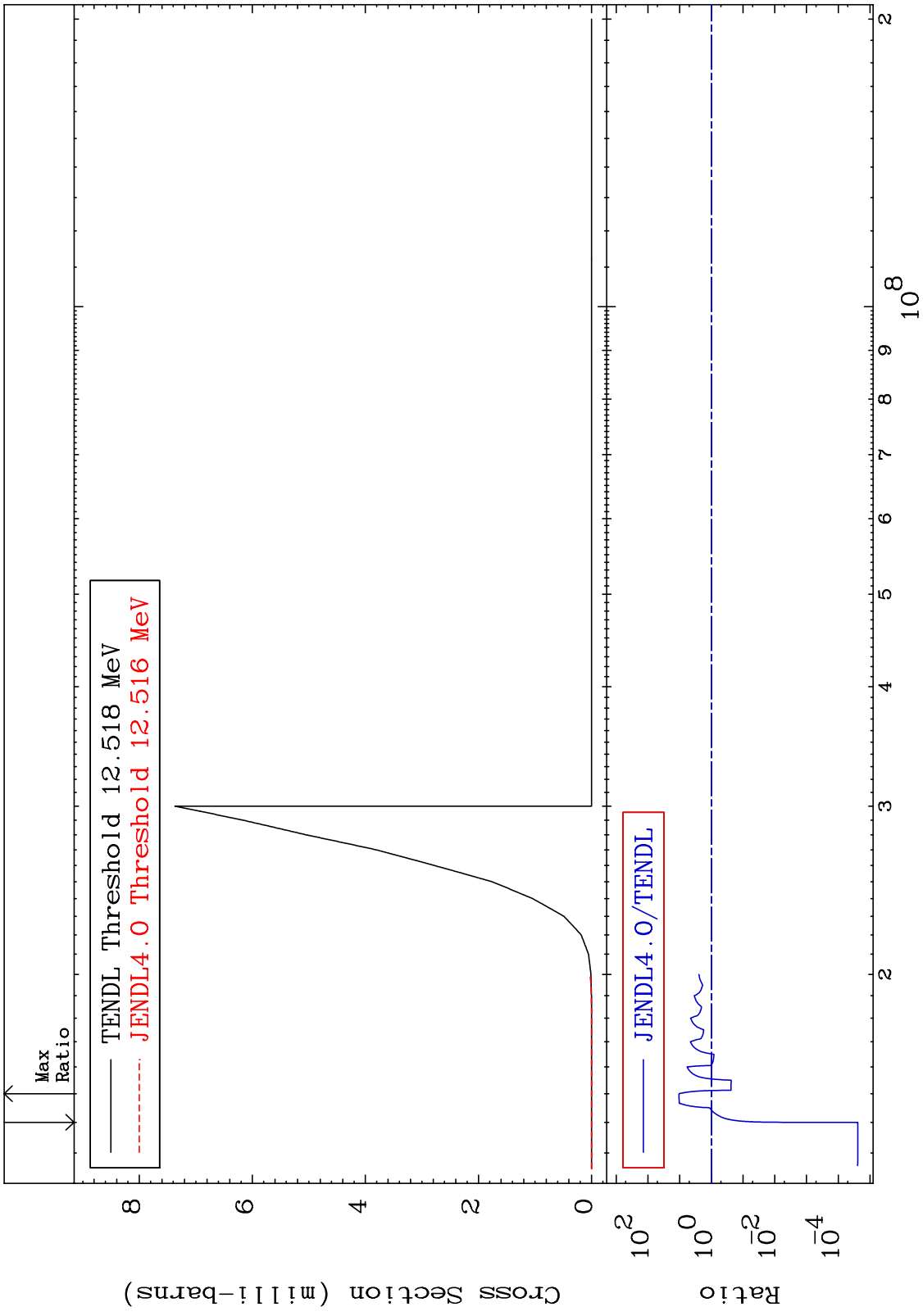
7 74-W -182

MAT 7431 (n,n') p Cross Section 74-W -182
 -89.89 To 2.743 %

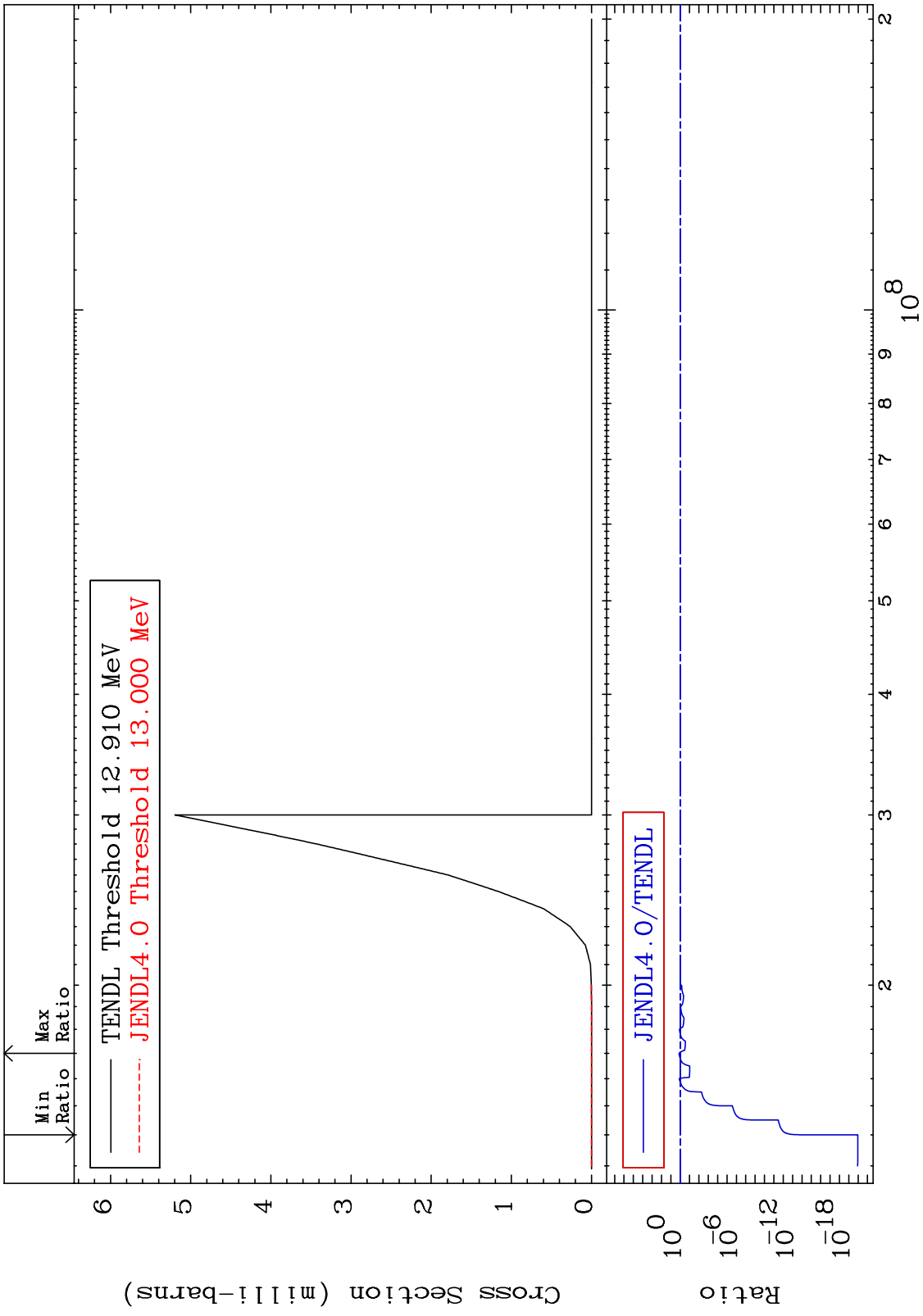


8 Incident Energy (eV) 74-W -182

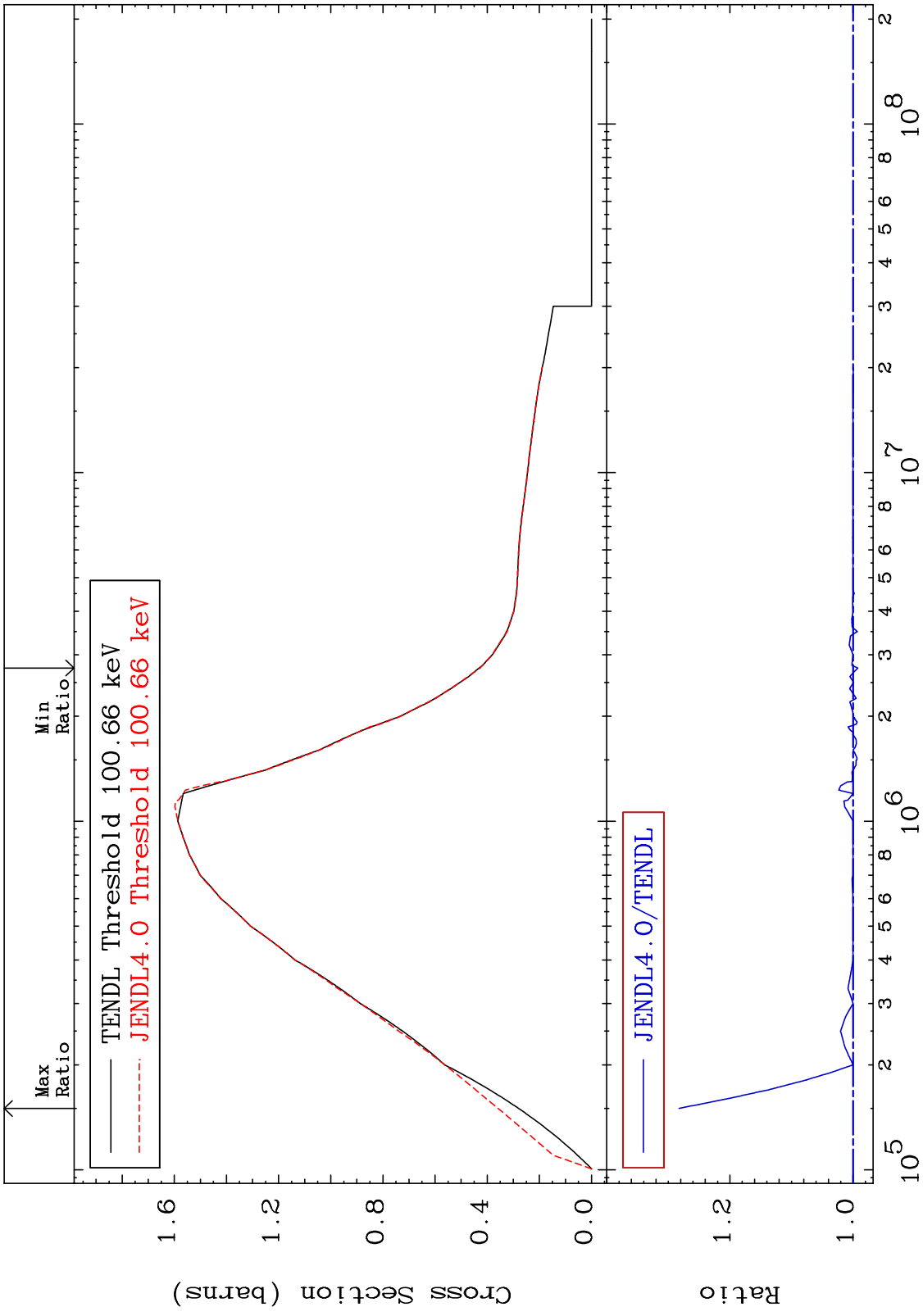
MAT 7431 (n, n') d 74-W -182
 Cross Section -100.0 To 941.4 %



MAT 7431 (n,n') t 74-W -182
 Cross Section -100.0 To 32.45 %



MAT 7431 MT= 51 (n,n') Level Cross Section 74-W -182
 -0.779 To 28.26 %

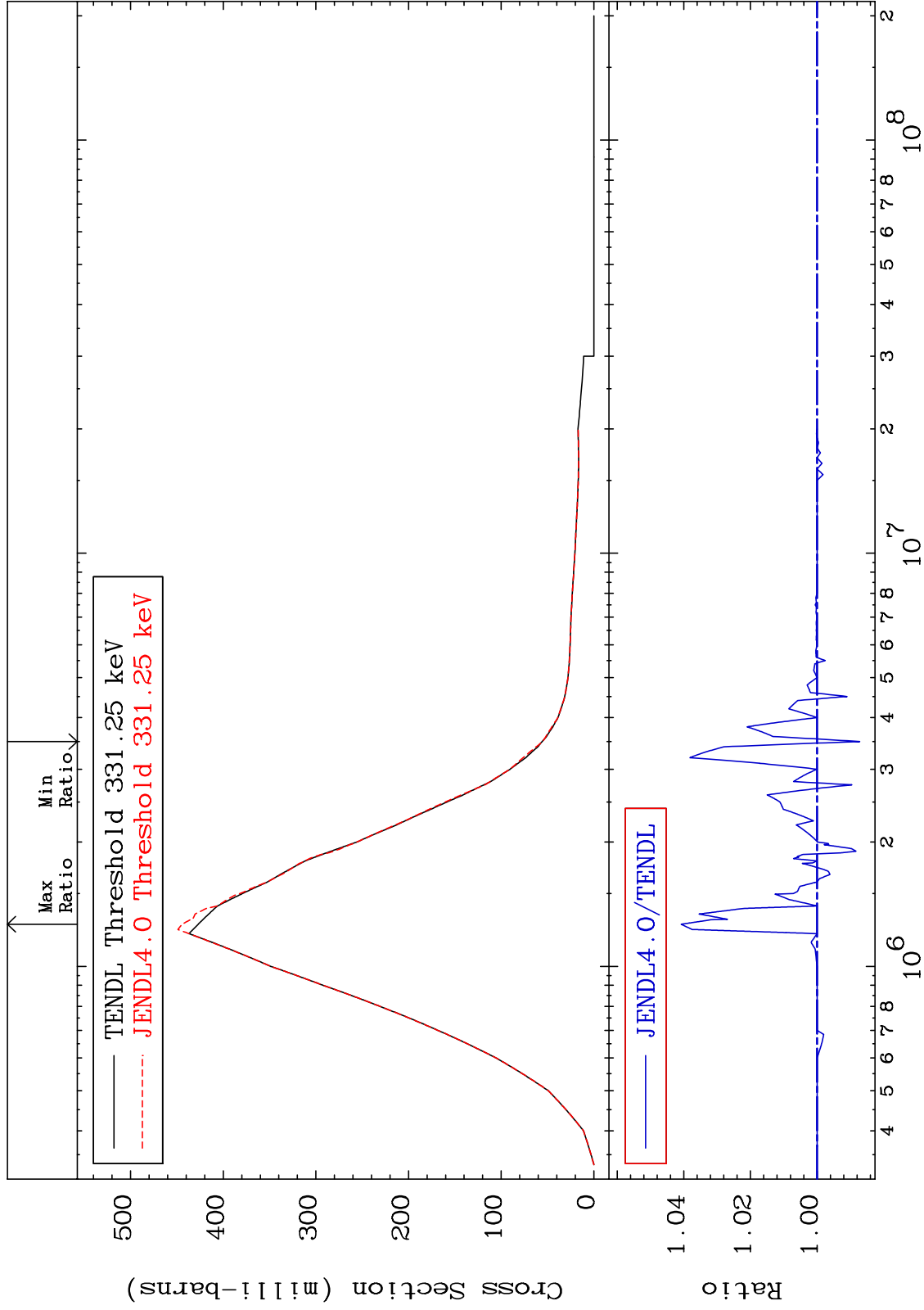


11 74-W -182

MAT 7431

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

74-W -182
-1.282 To 4.078 %

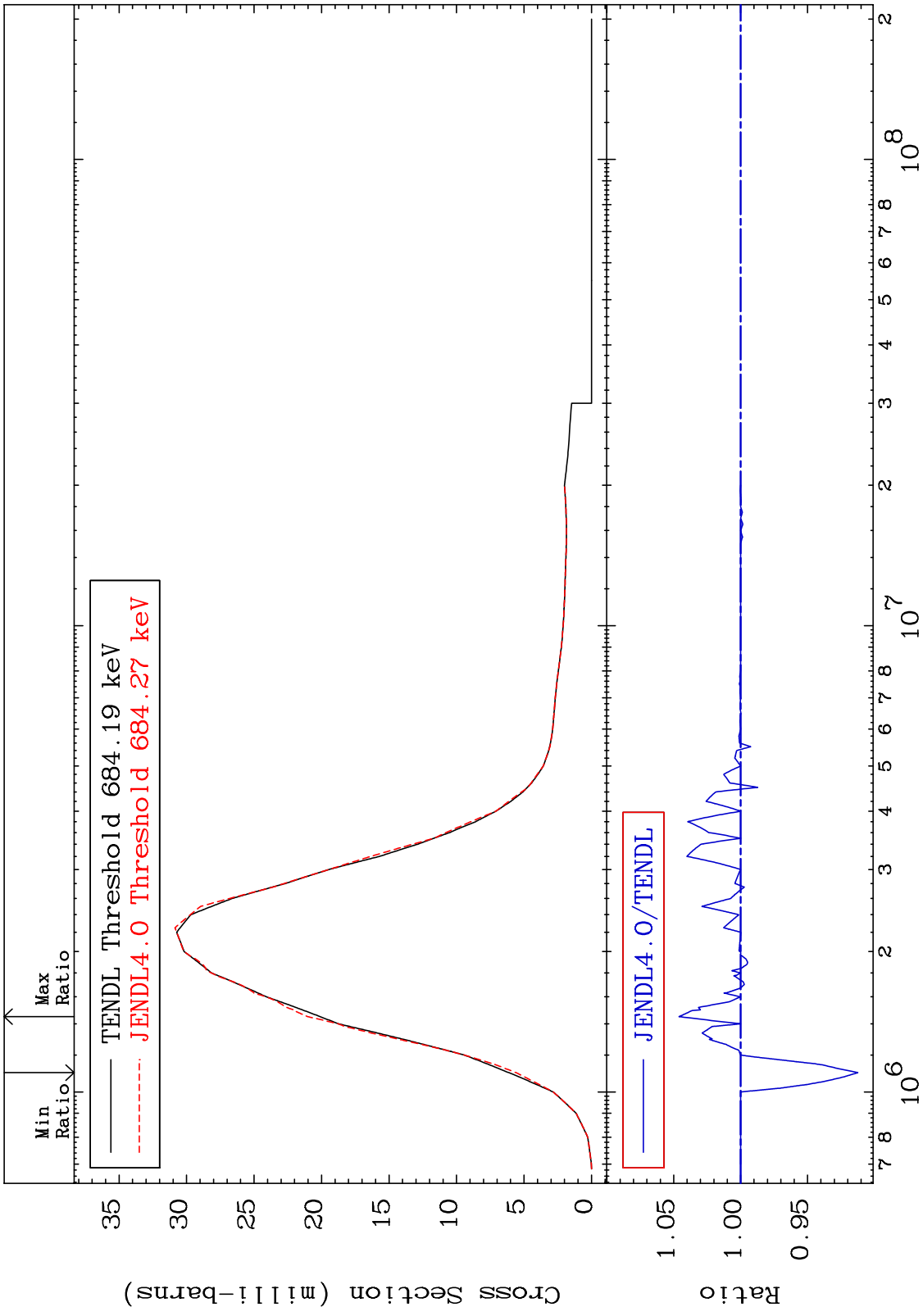


12

Incident Energy (eV)

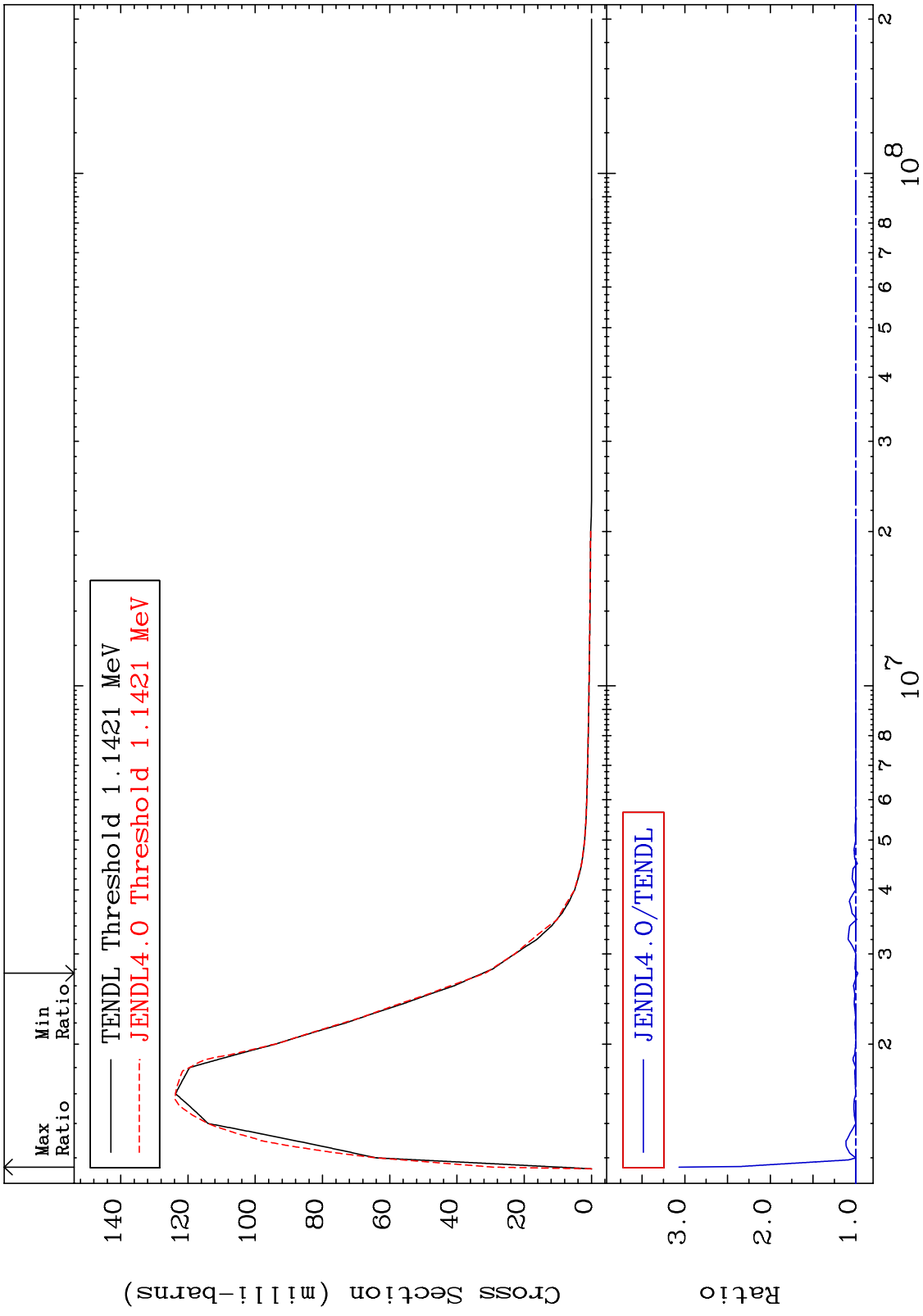
74-W -182

MAT 7431 MT= 53 (n,n') Level Cross Section 74-W -182
-8.755 To 4.600 %



13 74-W -182

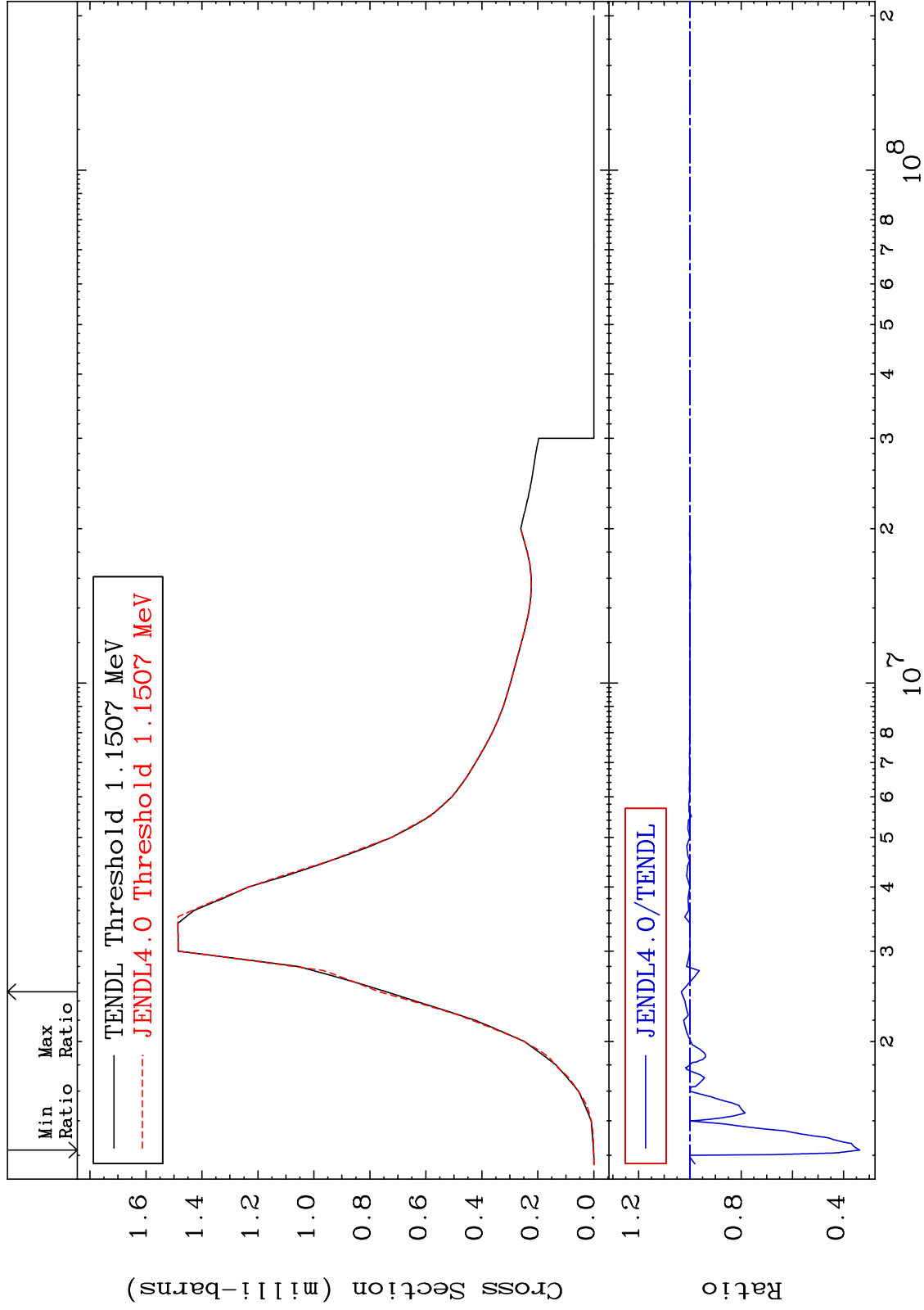
MAT 7431 MT= 54 (n,n') Level Cross Section 74-W -182
 -2.372 To 206.7 %



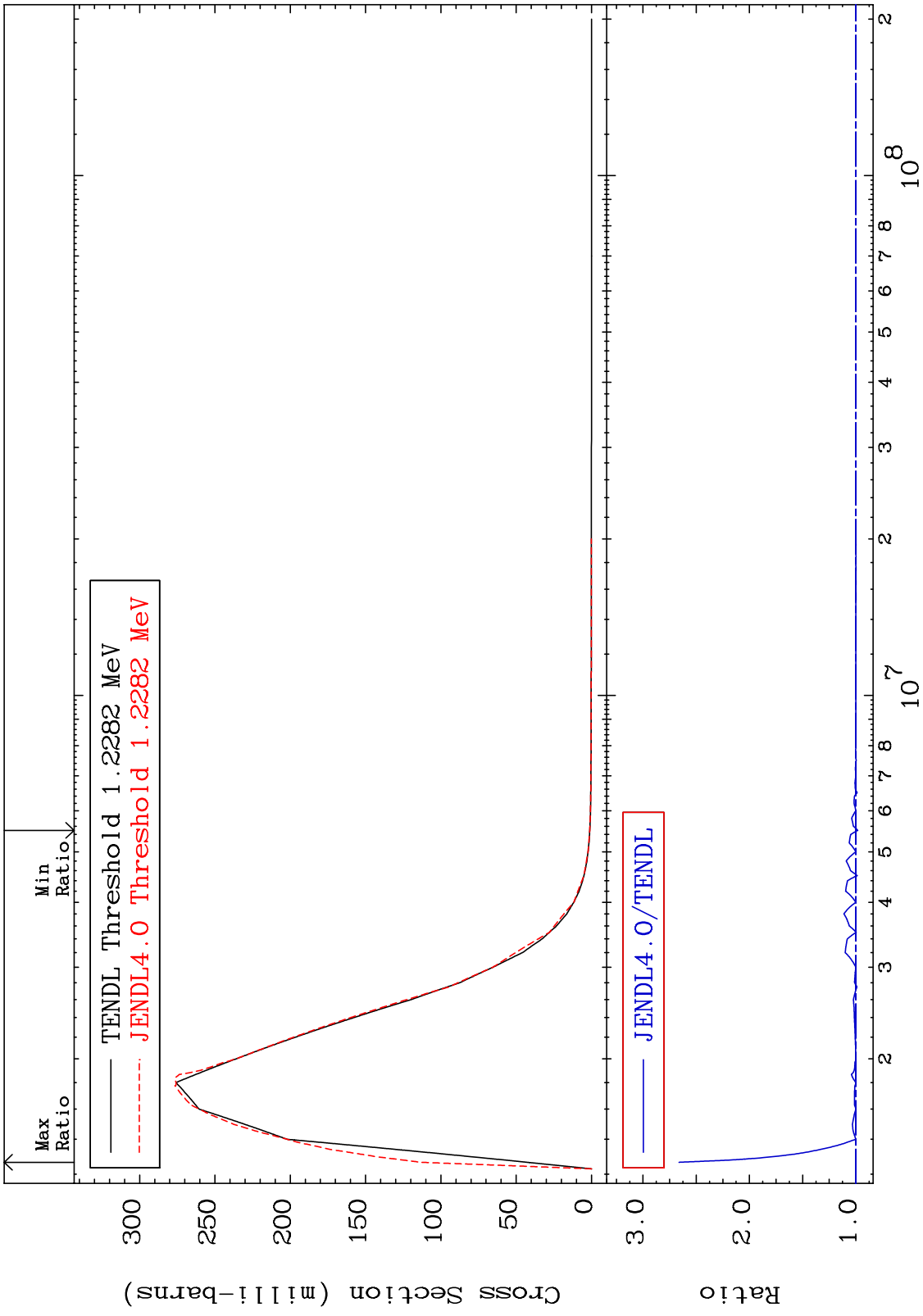
MAT 7431

MT= 55 (n,n') Level
Cross Section

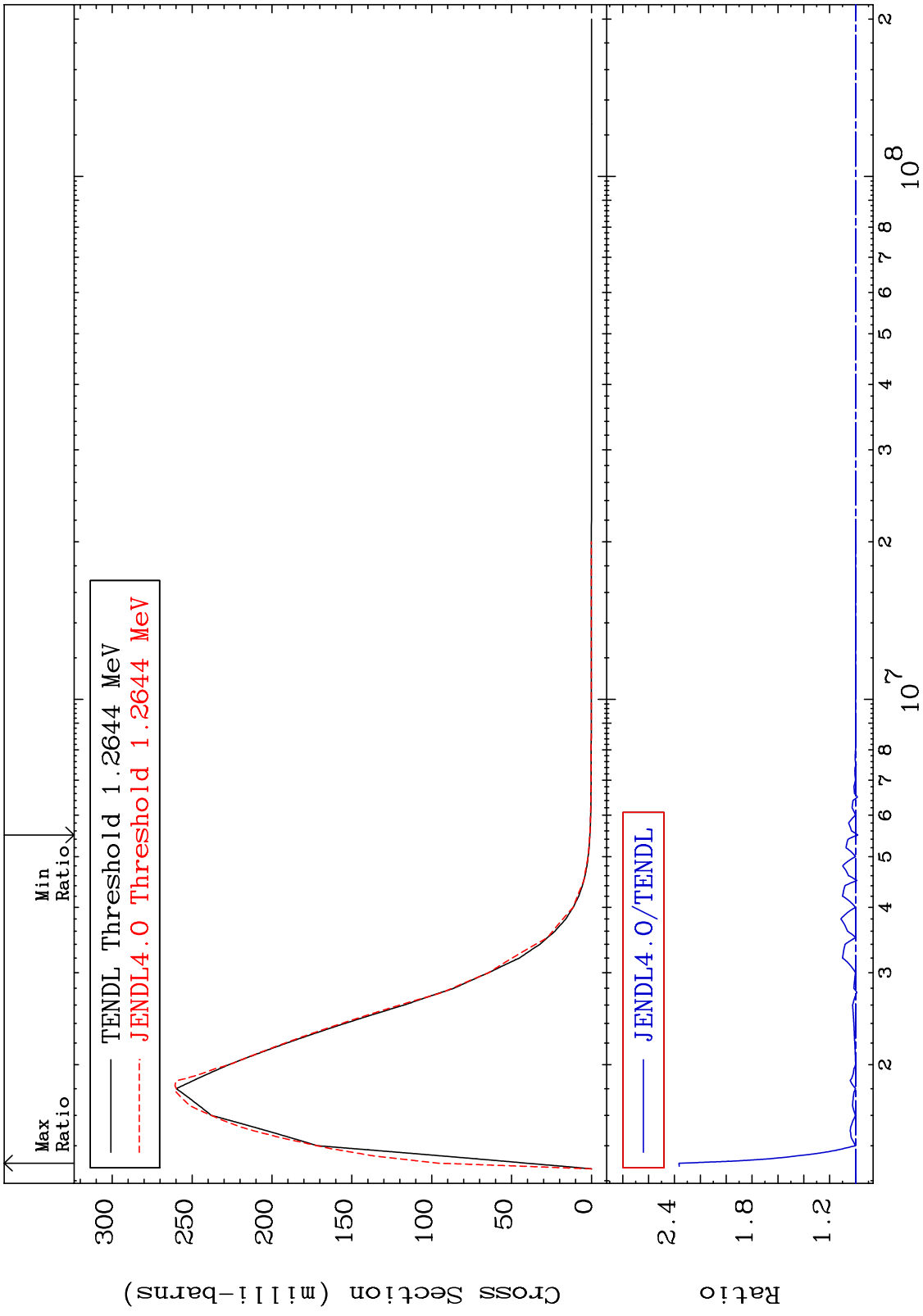
74-W -182
-66.28 To 3.355 %



MAT 7431 MT= 56 (n,n') Level Cross Section 74-W -182
 -1.871 To 166.1 %



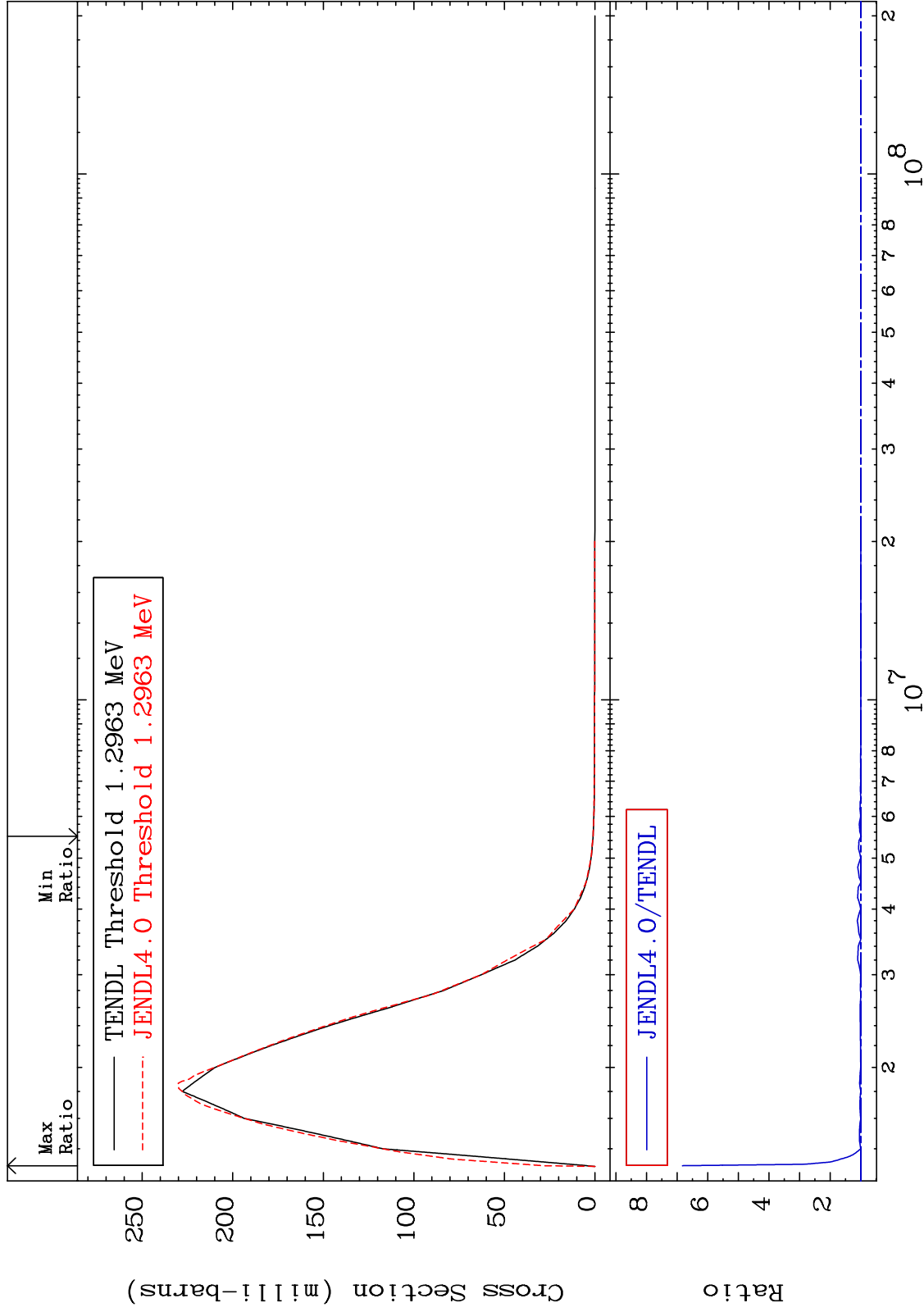
MAT 7431 MT= 57 (n,n') Level Cross Section -1.784 To 136.4 % 74-W -182



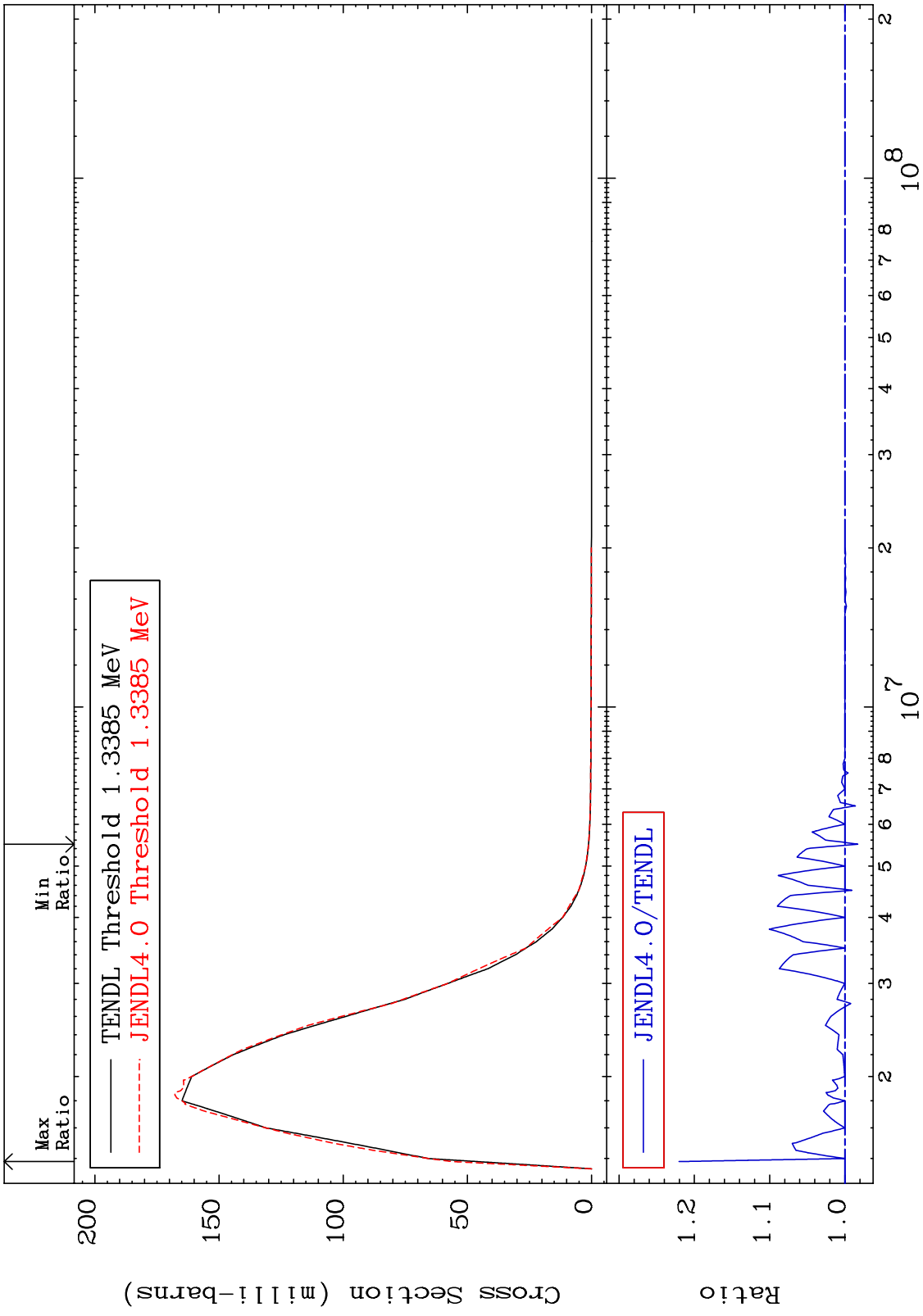
MAT 7431

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

74-W -182
-1.852 To 582.6 %



MAT 7431 MT= 59 (n,n') Level Cross Section 74-W -182
 -1.719 To 22.04 %

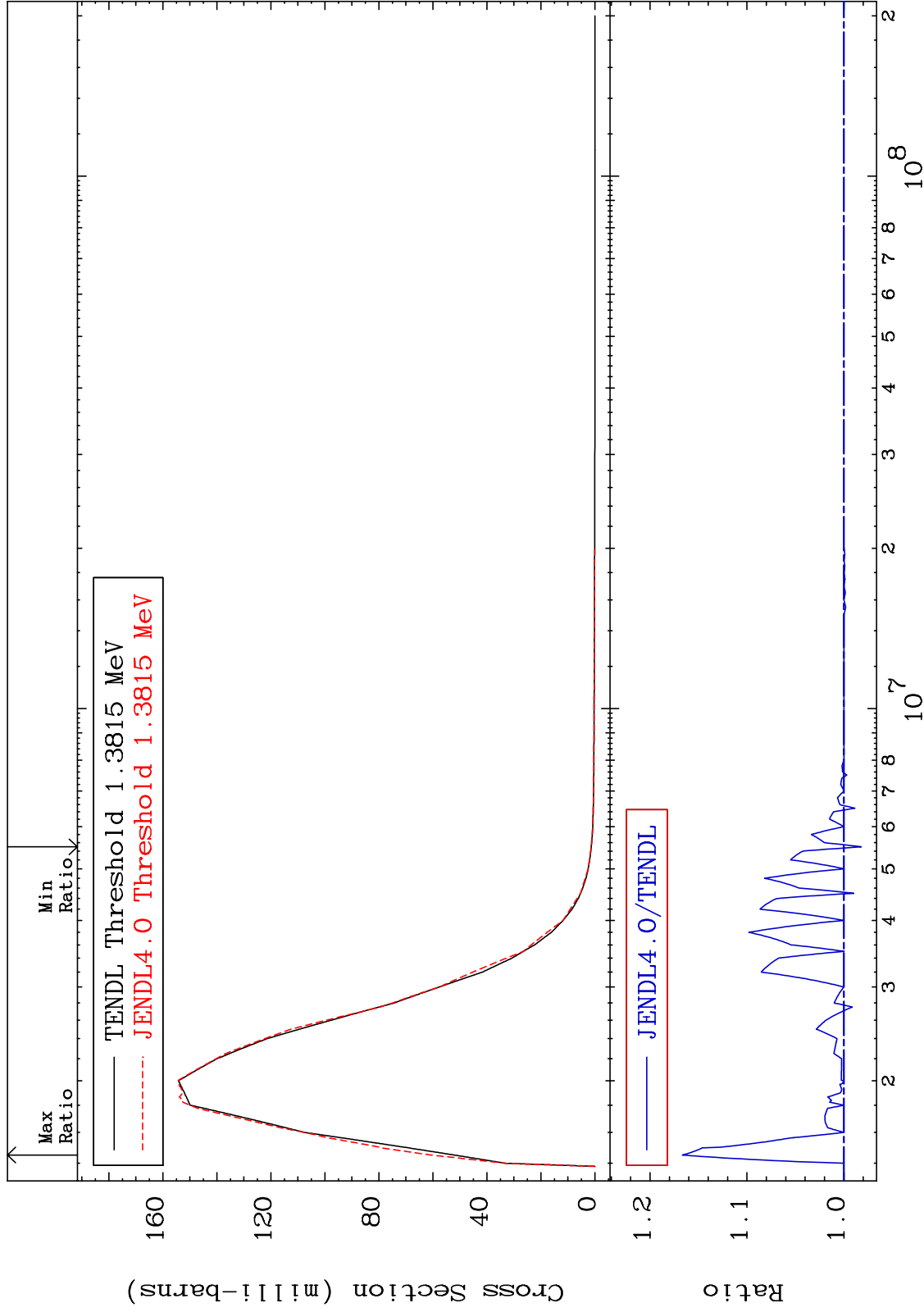


19 74-W -182

MAT 7431

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

74-W -182
-1.794 To 16.65 %



20

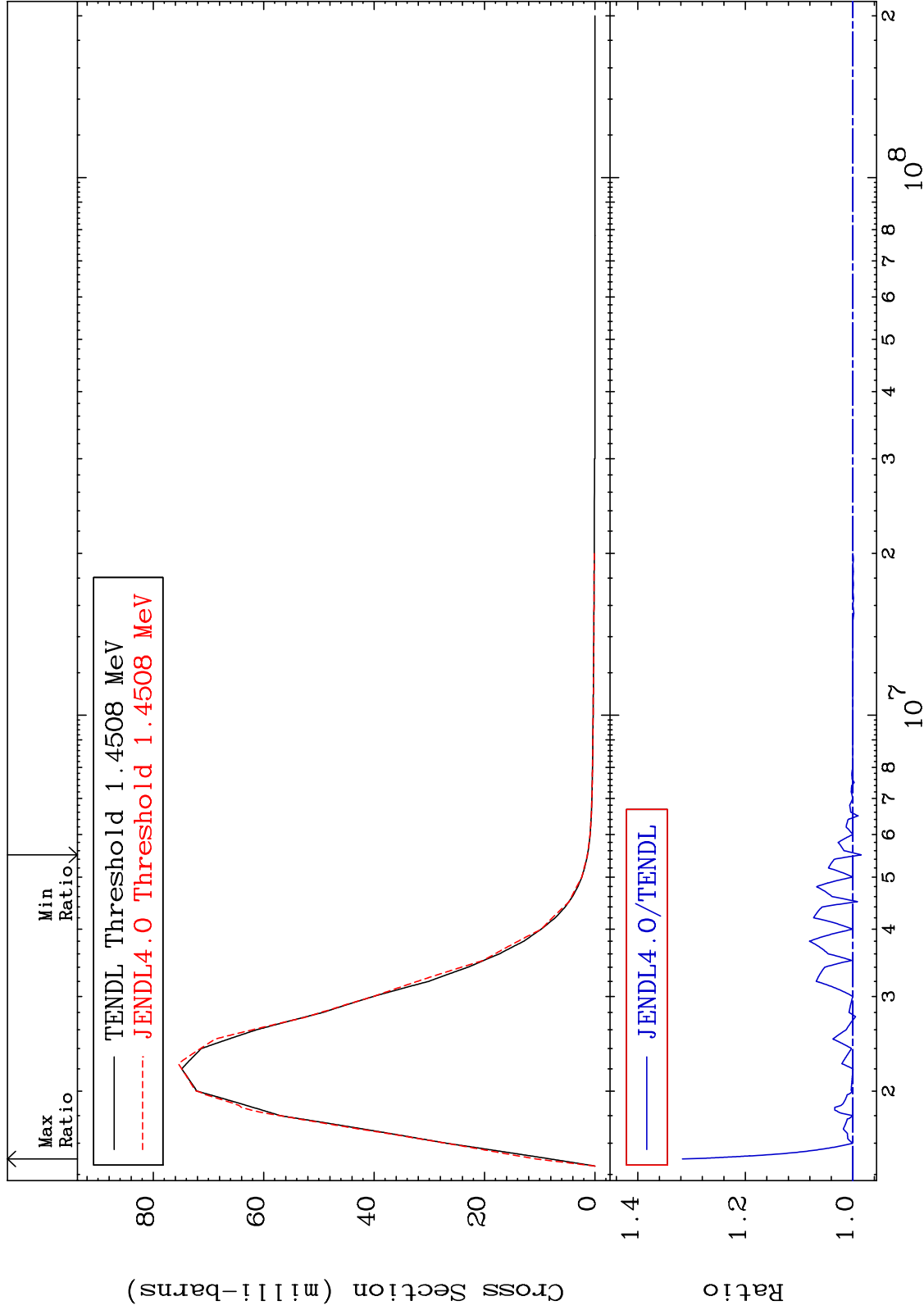
Incident Energy (eV)

74-W -182

MAT 7431

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

74-W -182
-1.579 To 31.71 %

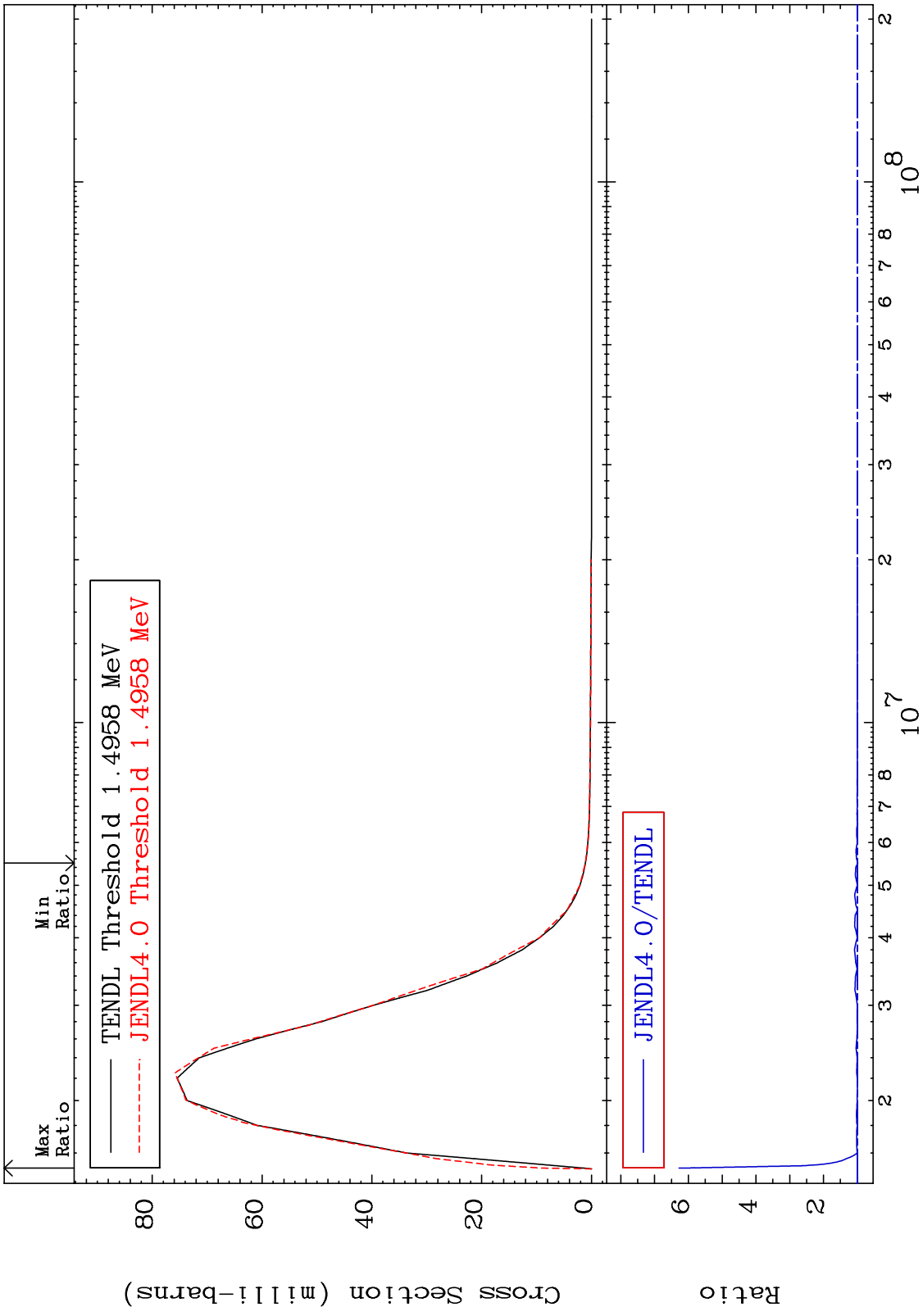


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Incident Energy (eV)

74-W -182

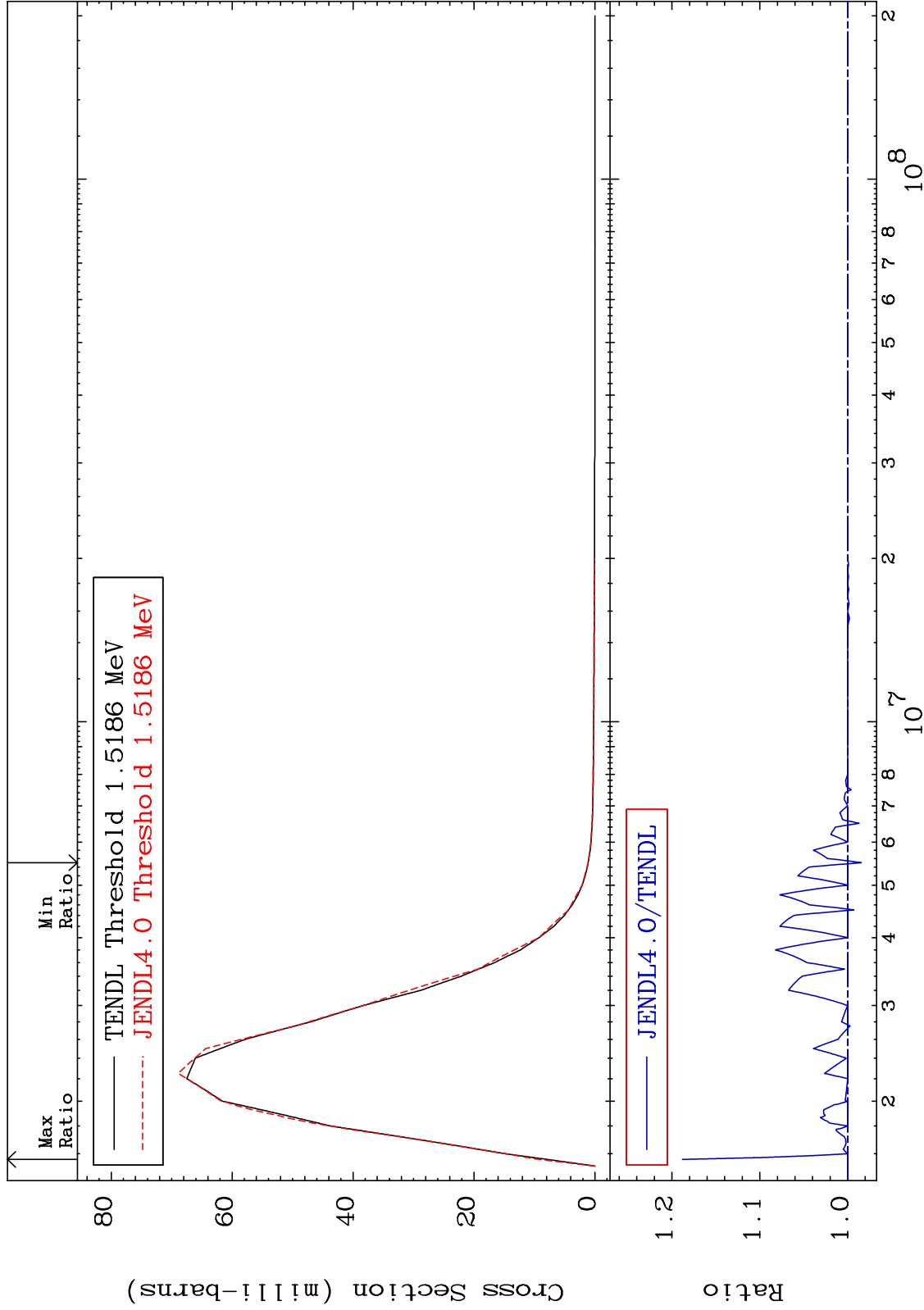
MAT 7431 MT= 62 (n,n') Level Cross Section 74-W -182
 -1.589 To 527.6 %



MAT 7431

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

74-W -182
-1.546 To 18.80 %



23

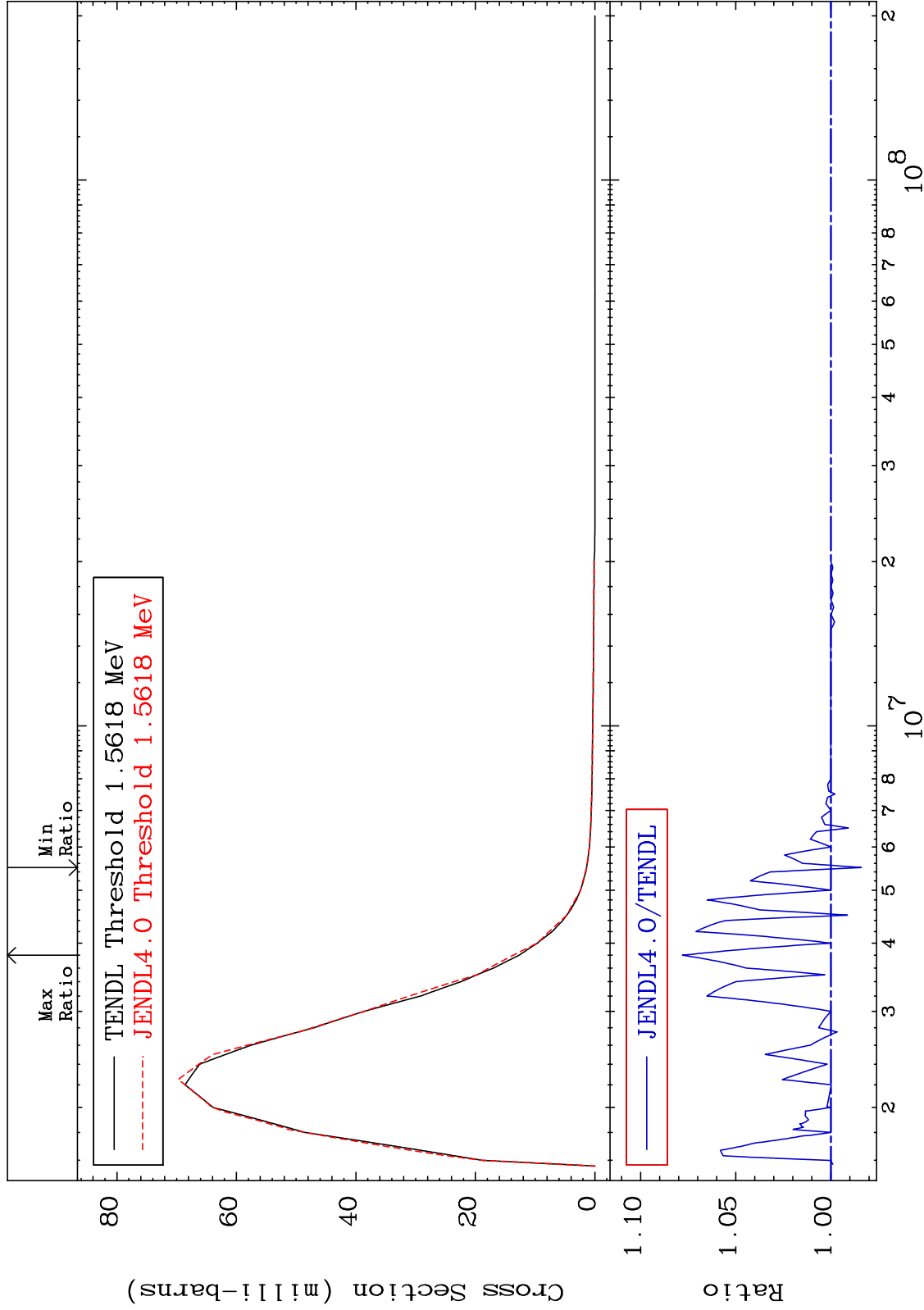
Incident Energy (eV)

74-W -182

MAT 7431

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

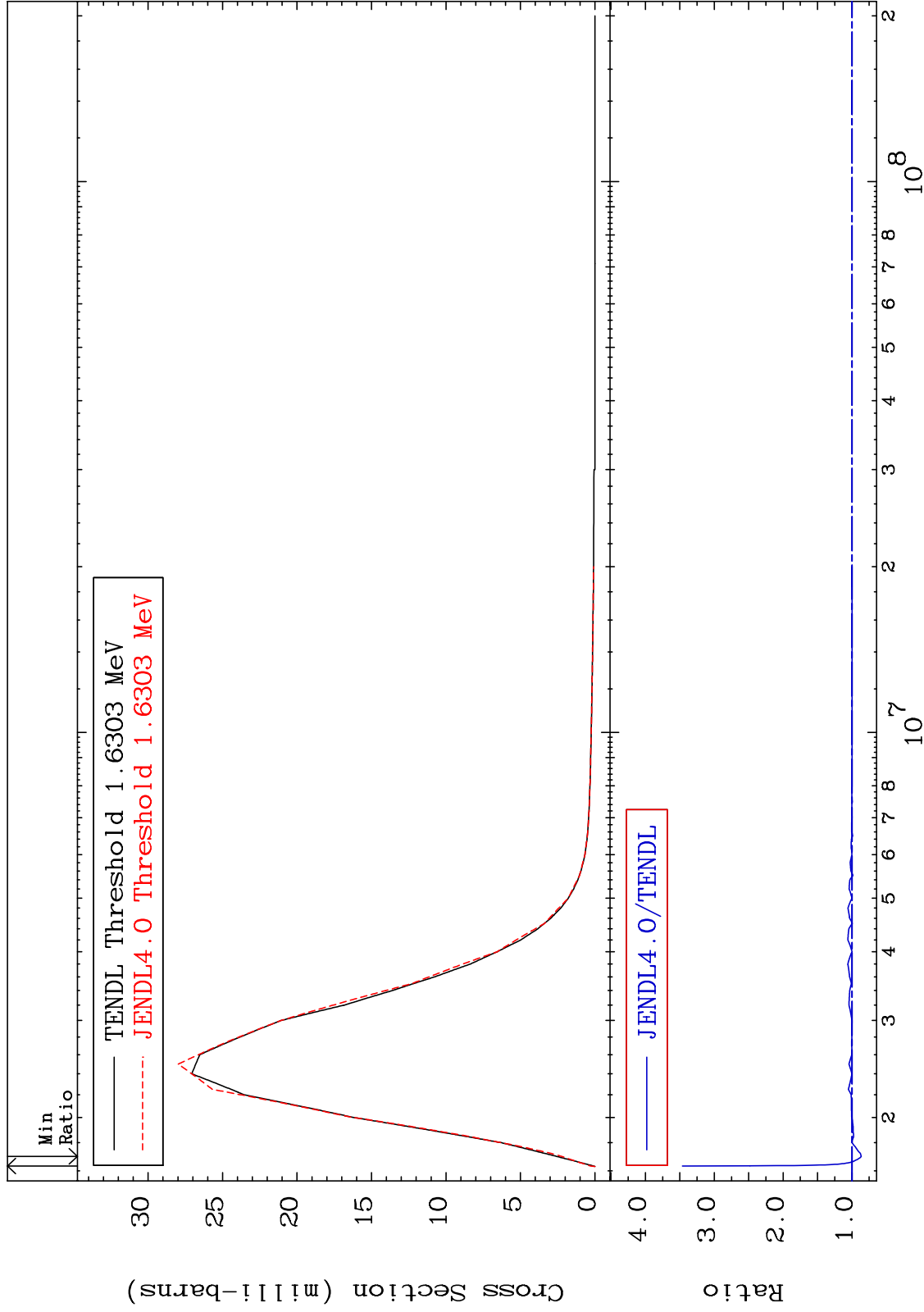
74-W -182
-1.594 To 7.799 %



MAT 7431

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

74-W -182
-13.50 To 246.2 %



25

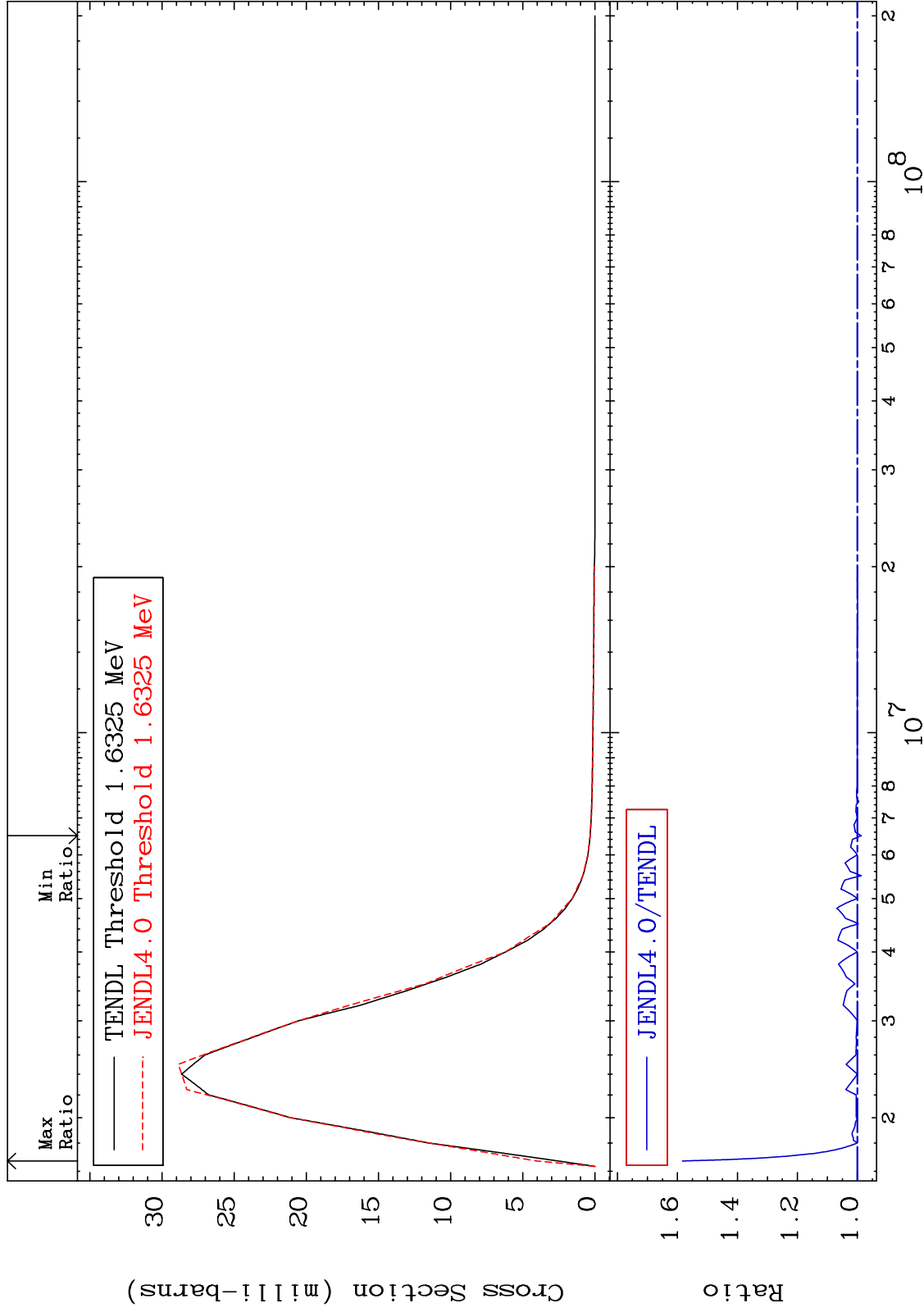
Incident Energy (eV)

74-W -182

MAT 7431

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

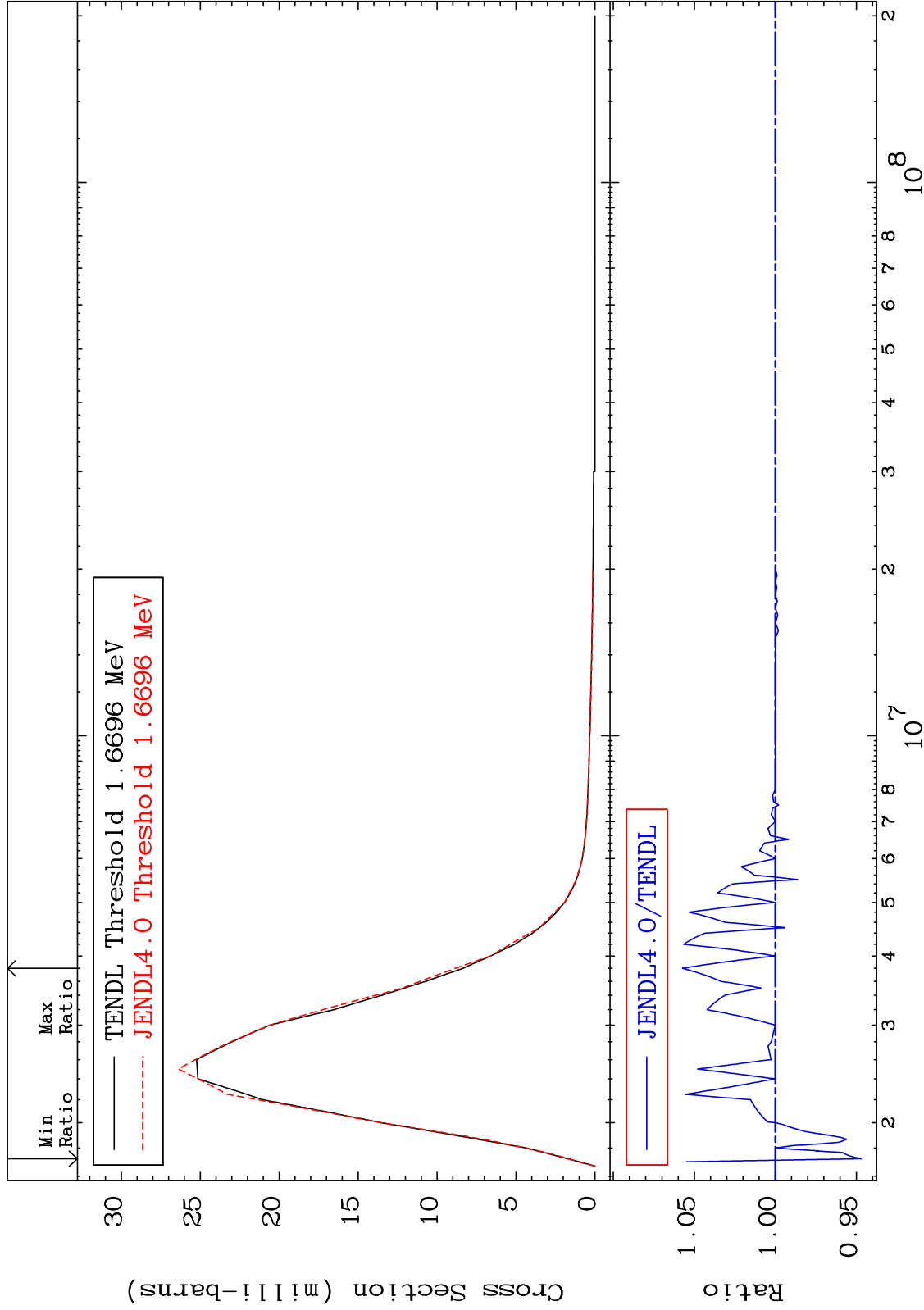
74-W -182
-1.318 To 58.31 %



MAT 7431

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

74-W -182
-5.306 To 5.735 %



27

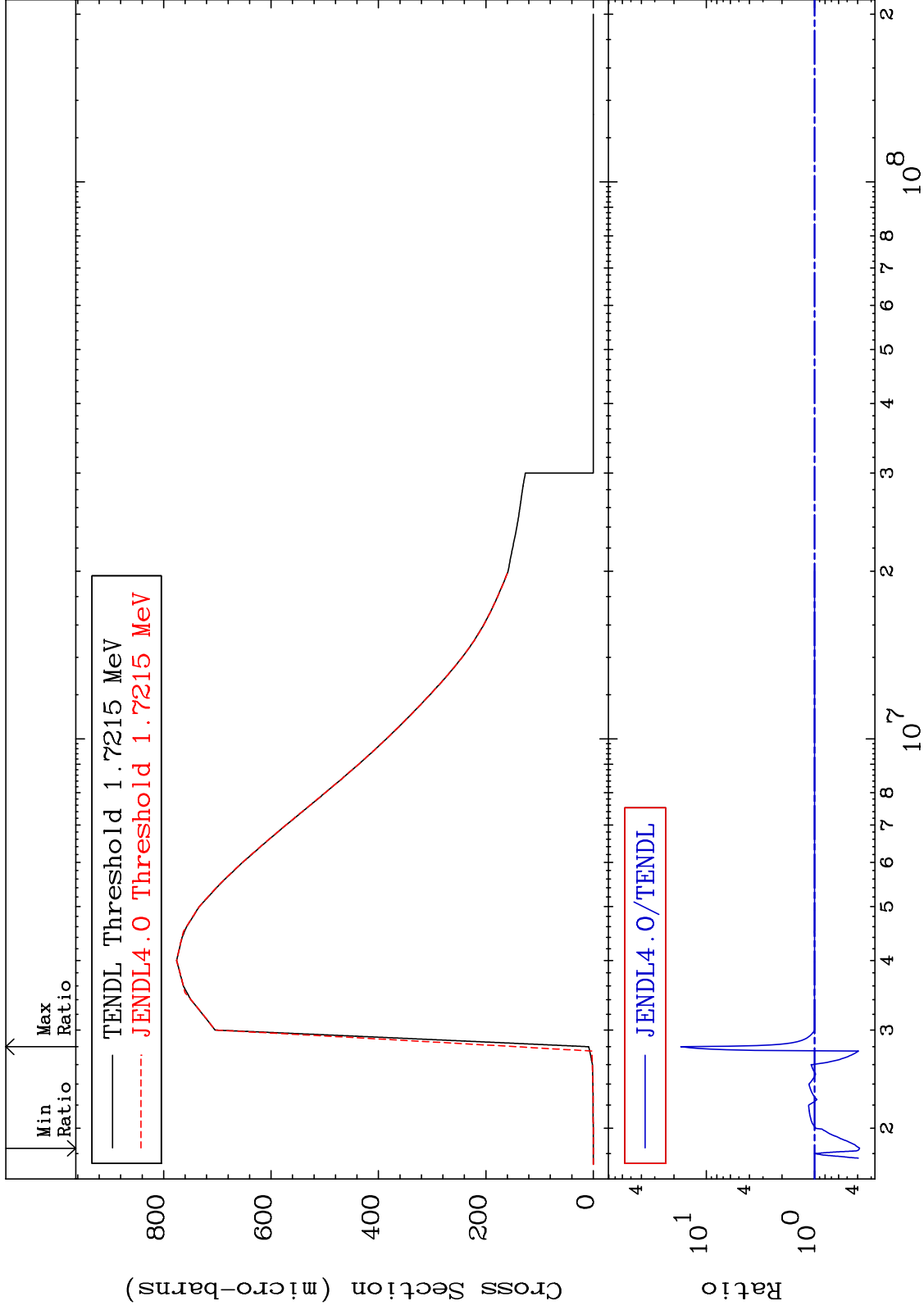
Incident Energy (eV)

74-W -182

MAT 7431

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

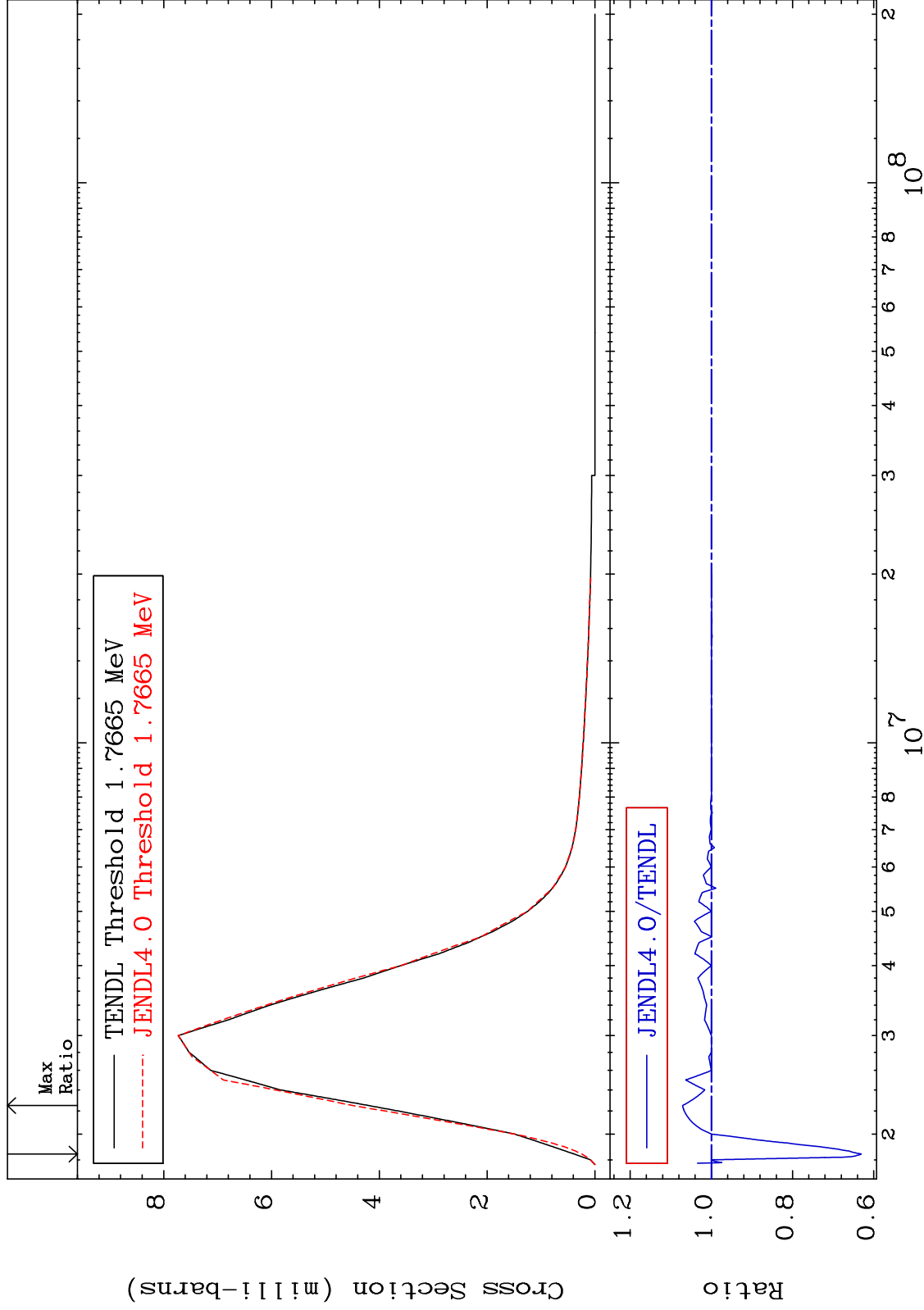
74-W -182
-61.72 To 1625. %



MAT 7431

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

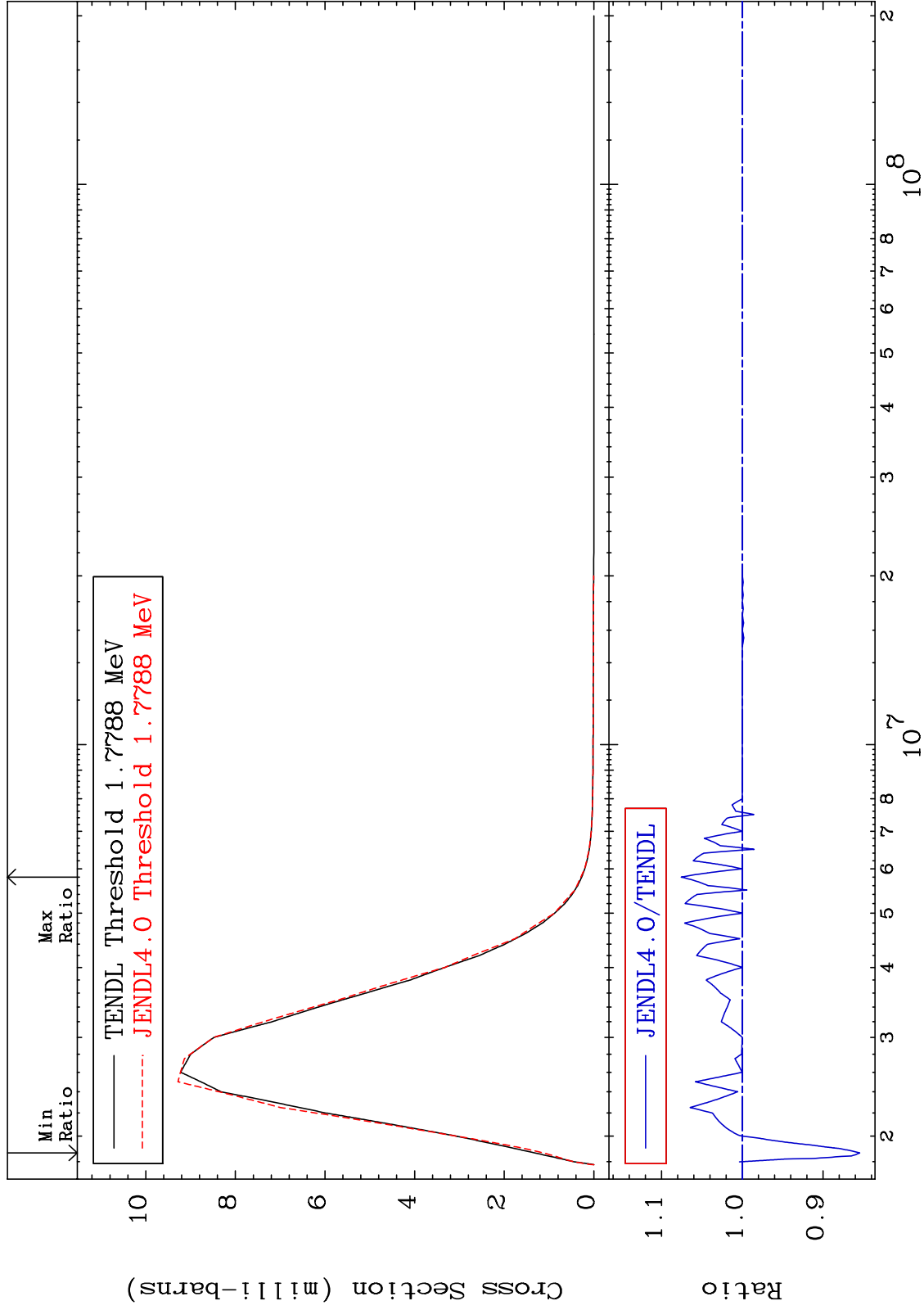
74-W -182
-36.93 To 7.123 %



MAT 7431

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

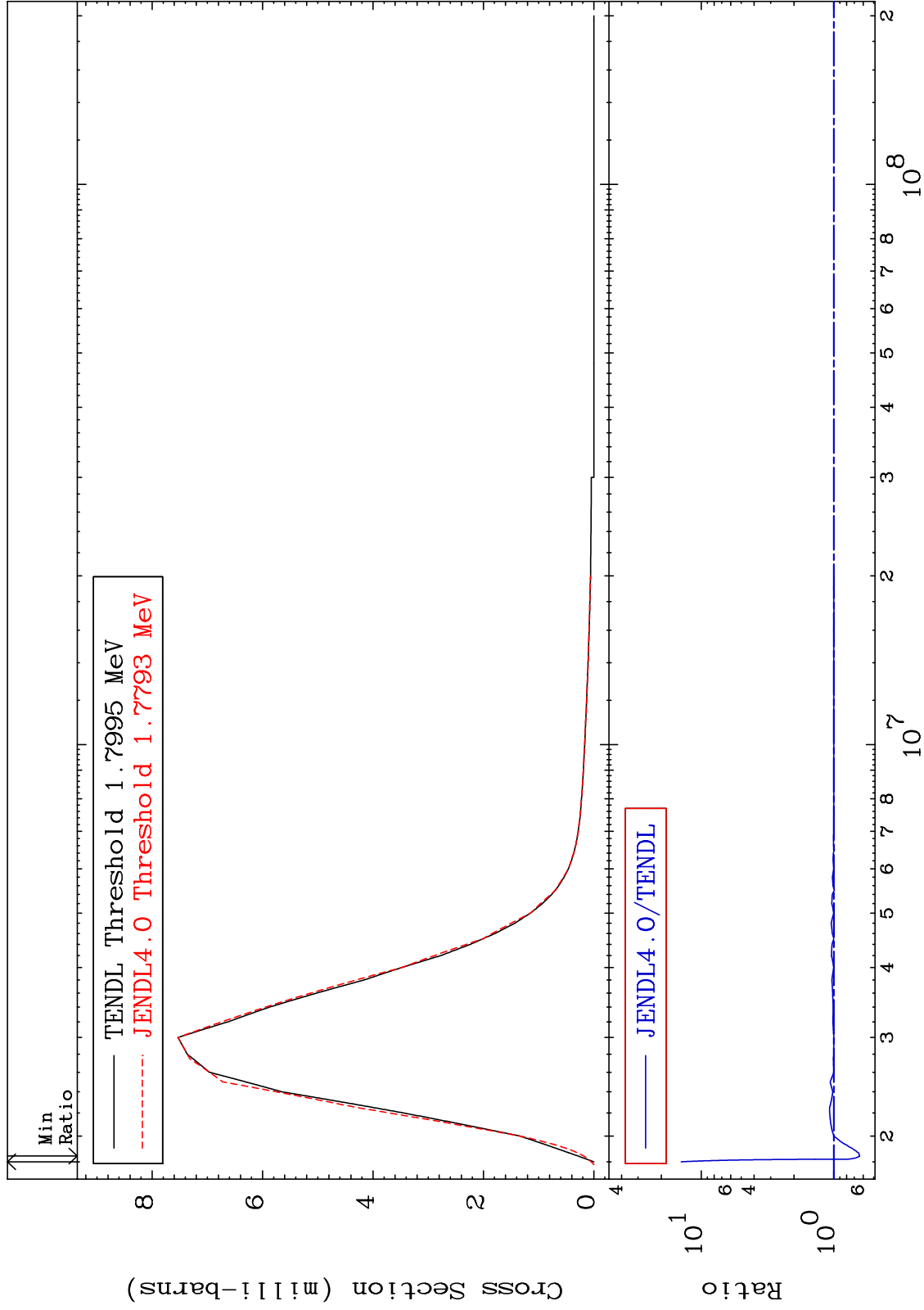
74-W -182
-14.55 To 7.567 %



MAT 7431

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

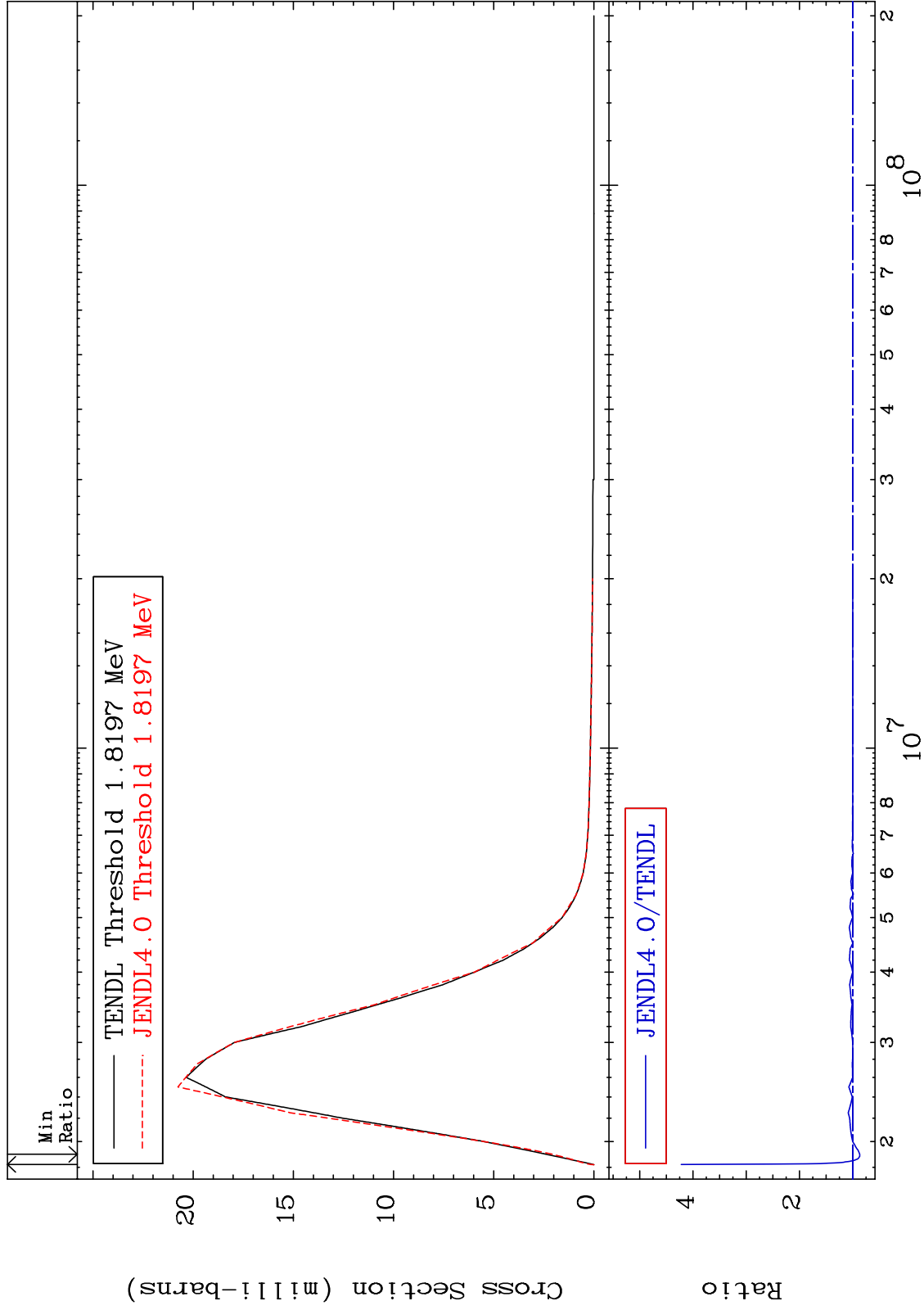
74-W -182
-36.27 To 1317. %



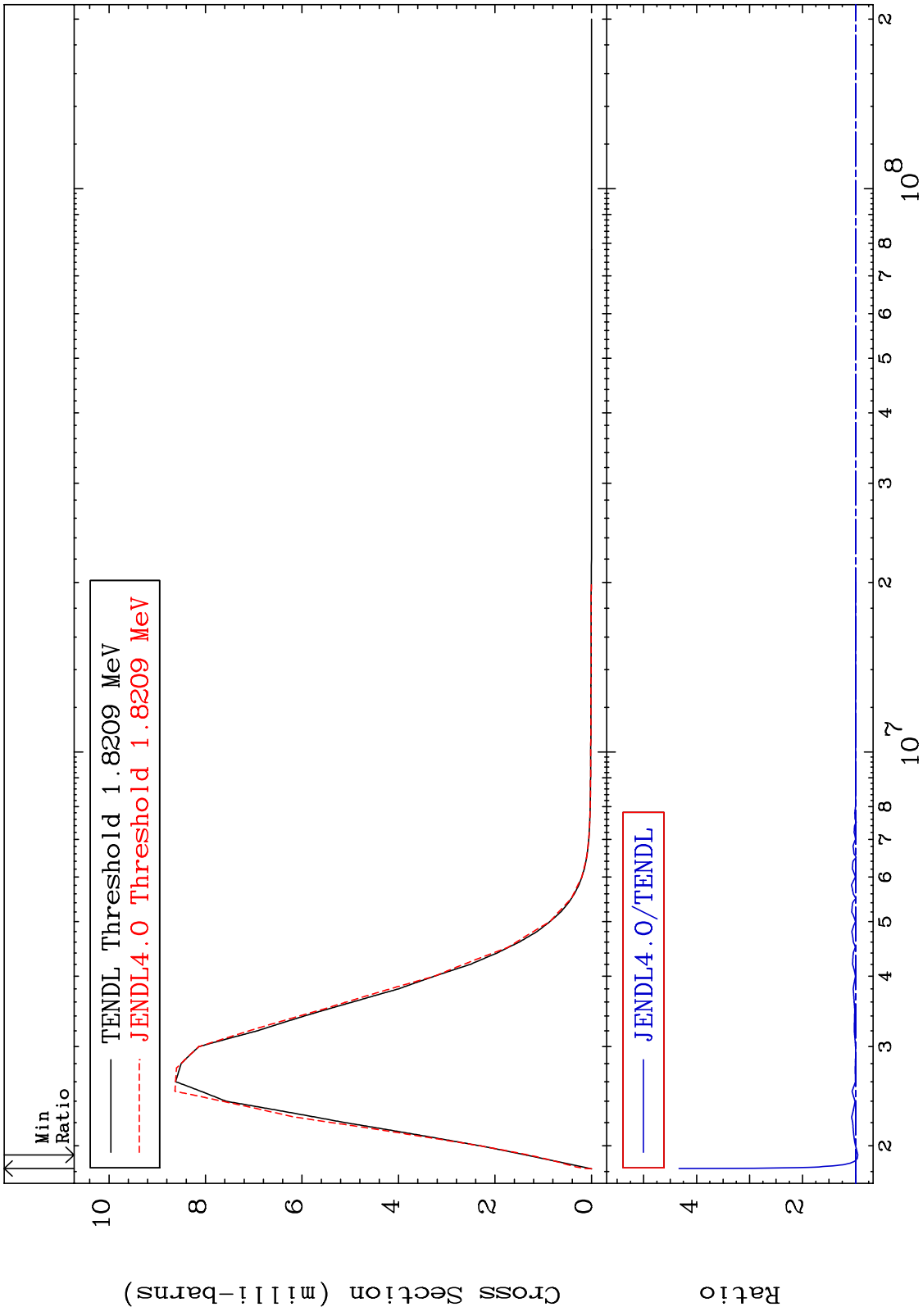
MAT 7431

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

74-W -182
-13.26 To 321.9 %



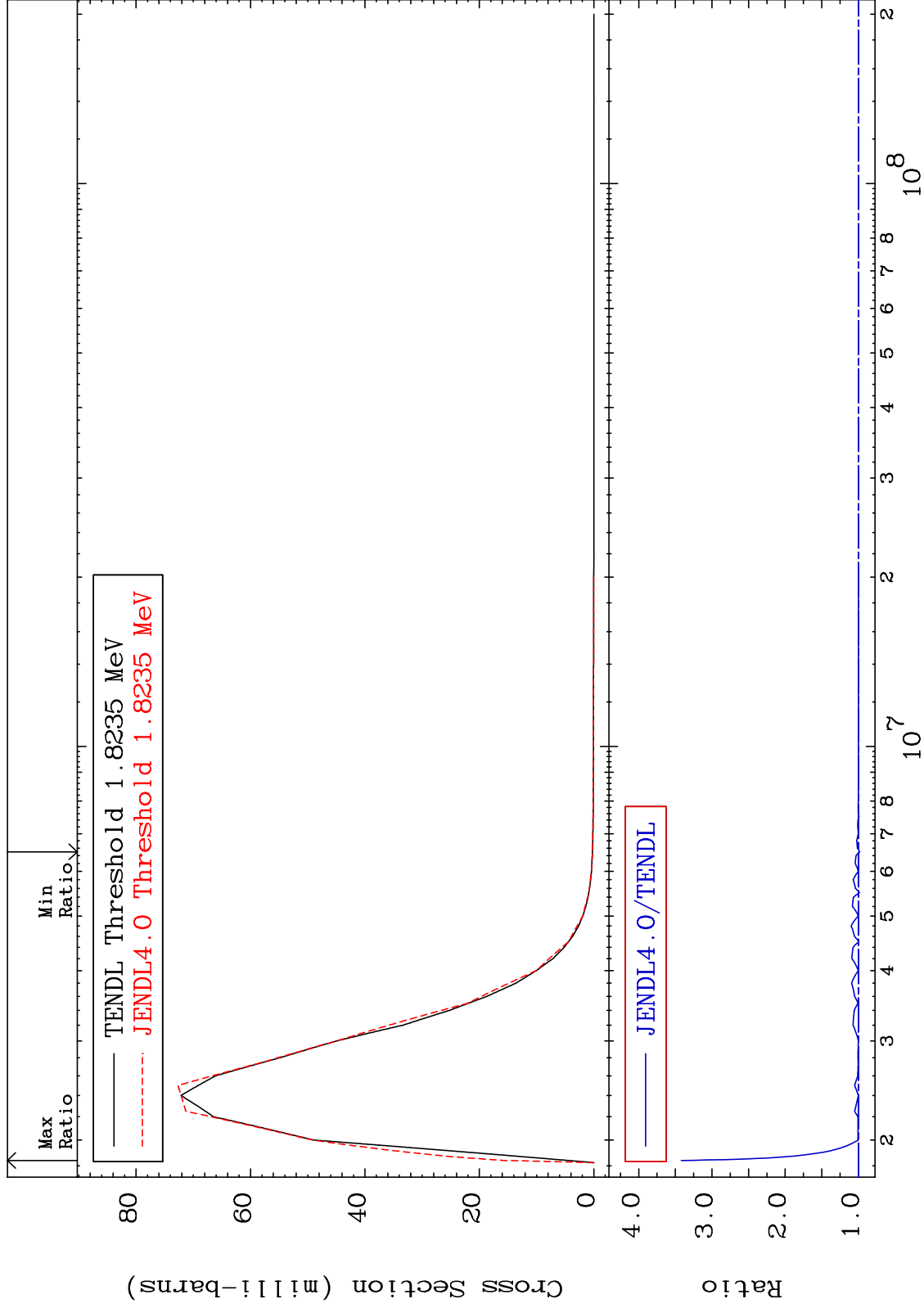
MAT 7431 MT= 74 (n,n') Level Cross Section 74-W -182
 -4.375 To 333.2 %



MAT 7431

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

74-W -182
-1.894 To 241.9 %



35

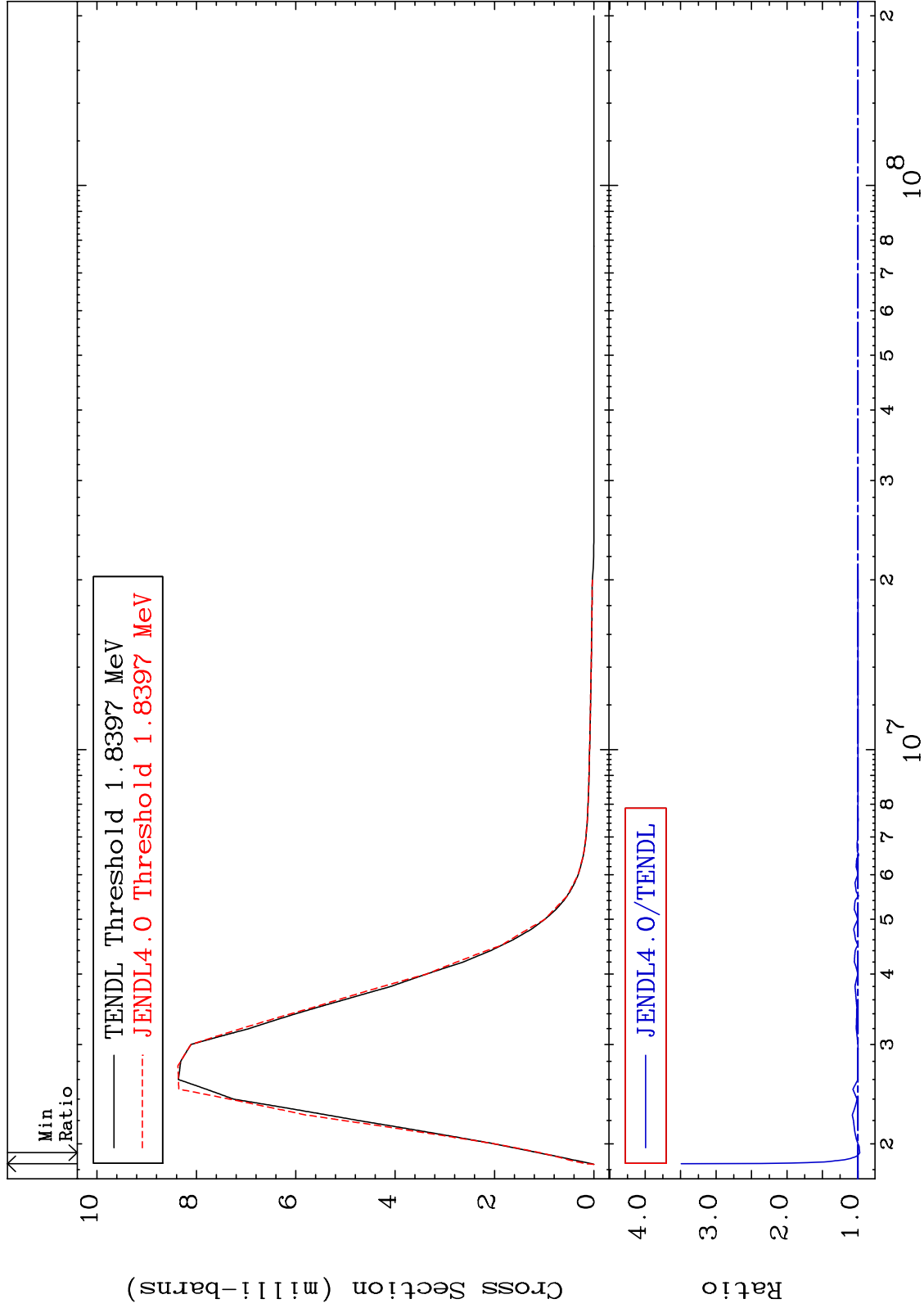
Incident Energy (eV)

74-W -182

MAT 7431

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

74-W -182
-2.674 To 249.1 %



36

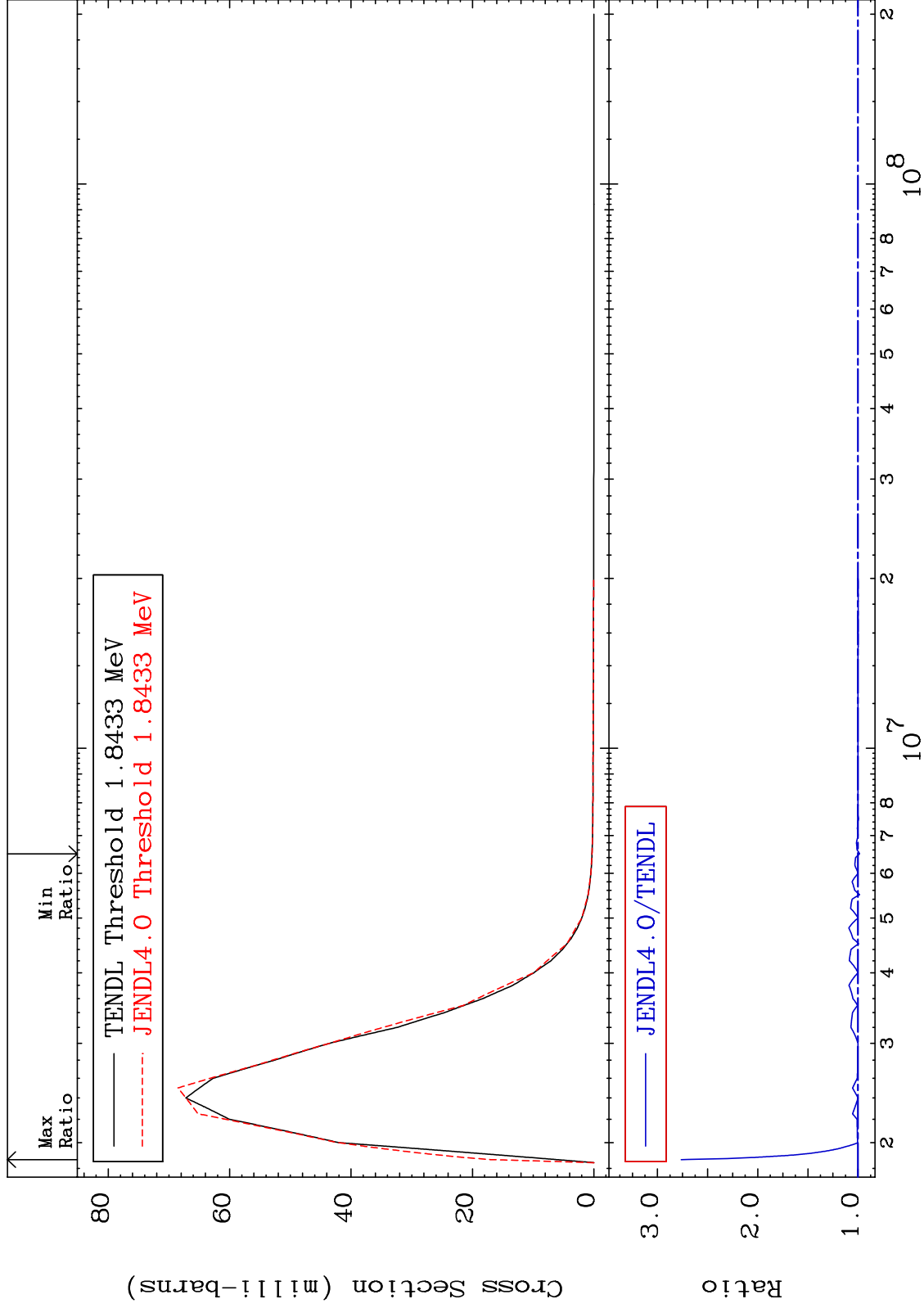
Incident Energy (eV)

74-W -182

MAT 7431

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

74-W -182
-1.713 To 176.3 %

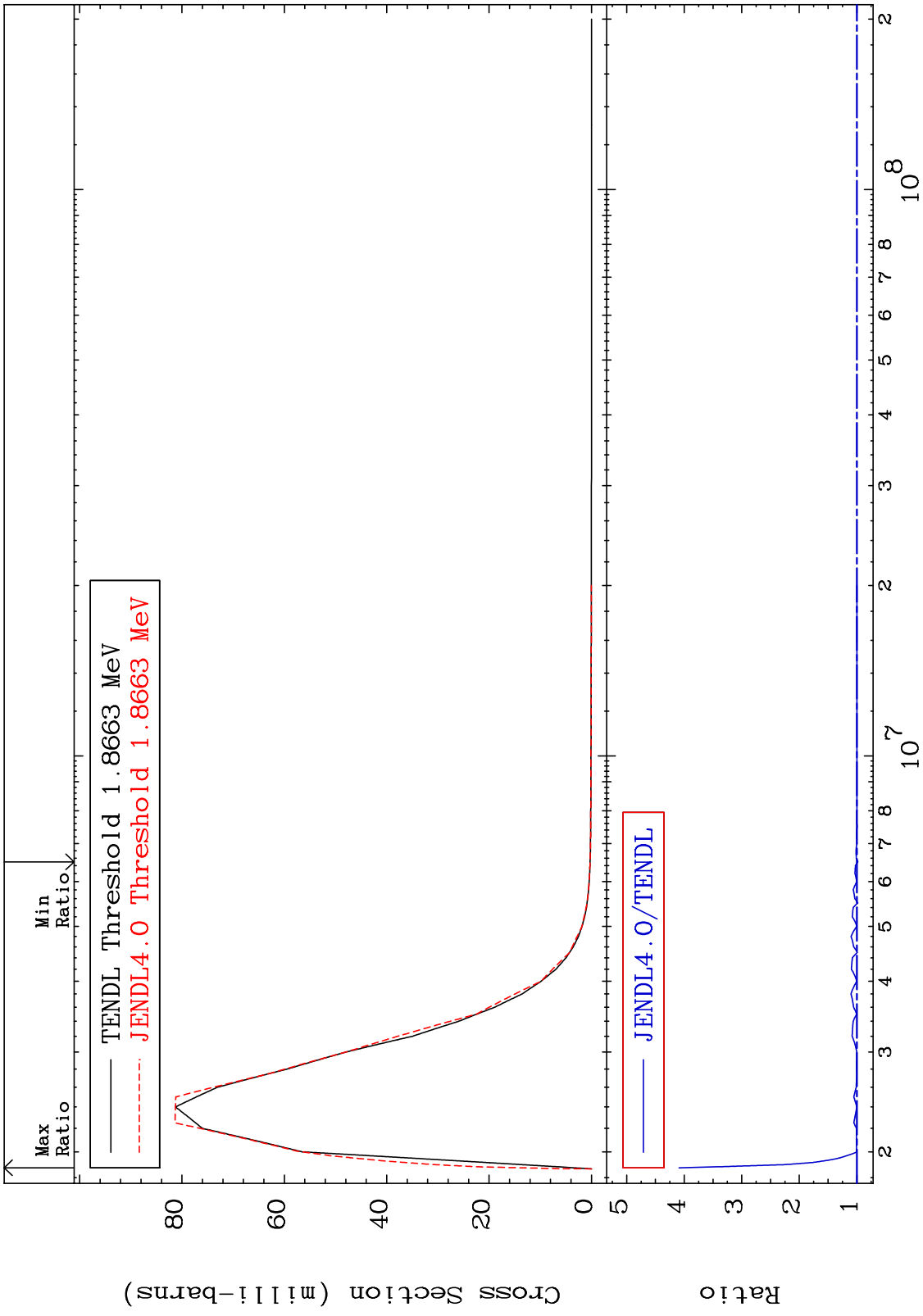


37

Incident Energy (eV)

74-W -182

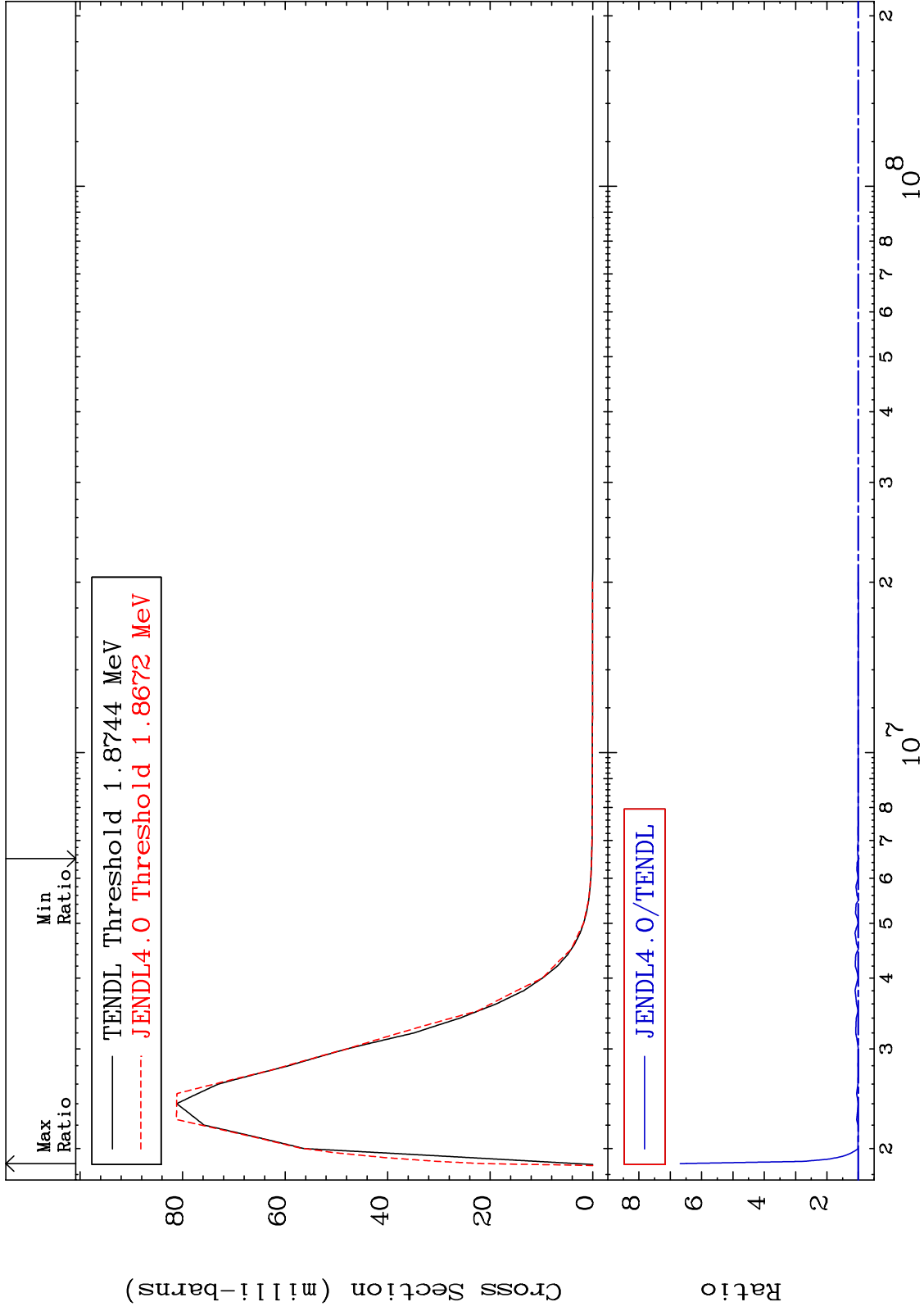
MAT 7431 MT= 78 (n,n') Level Cross Section 74-W -182
 -1.764 To 309.0 %



MAT 7431

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

74-W -182
-1.946 To 568.3 %



39

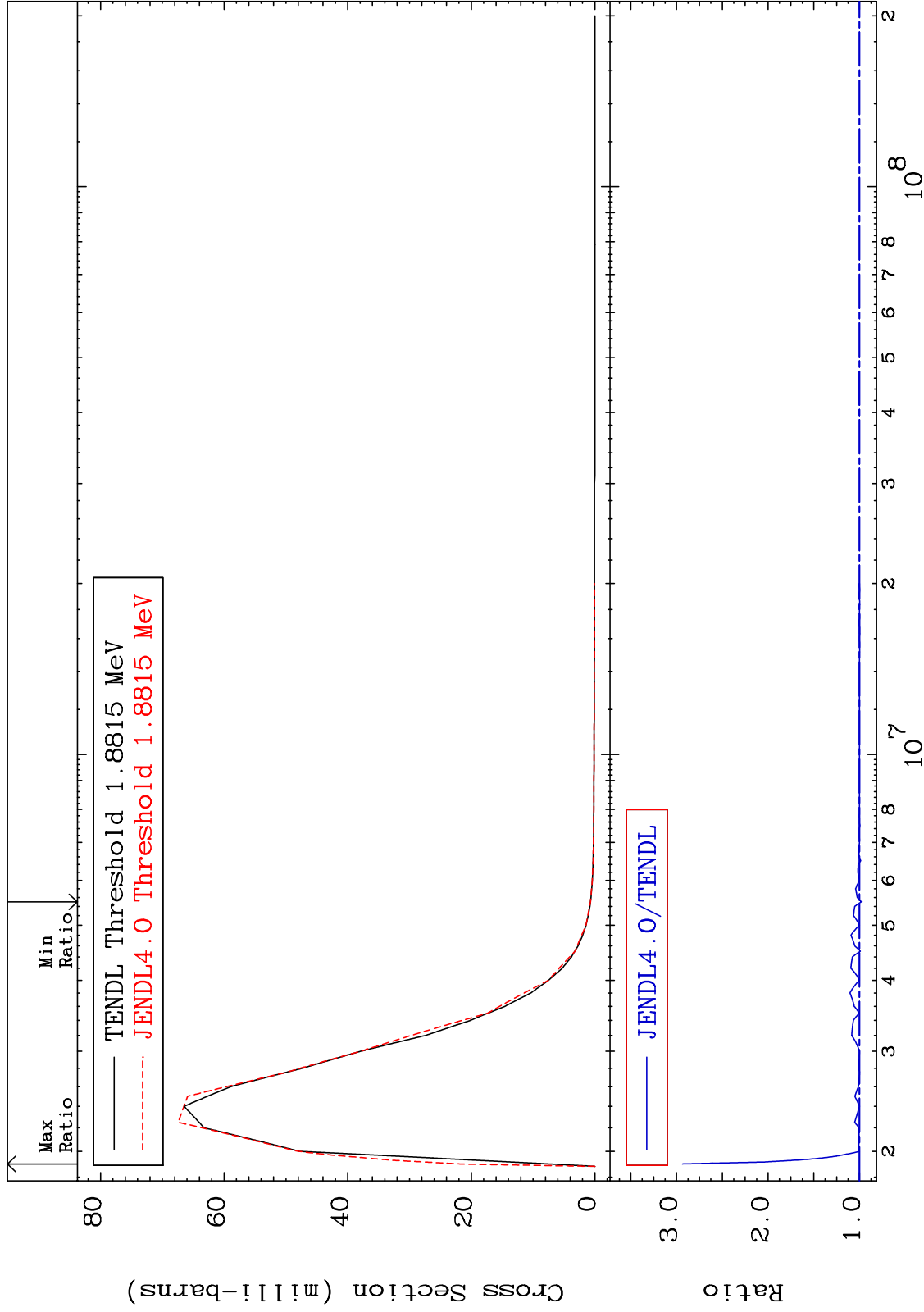
Incident Energy (eV)

74-W -182

MAT 7431

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

74-W -182
-1.908 To 193.6 %



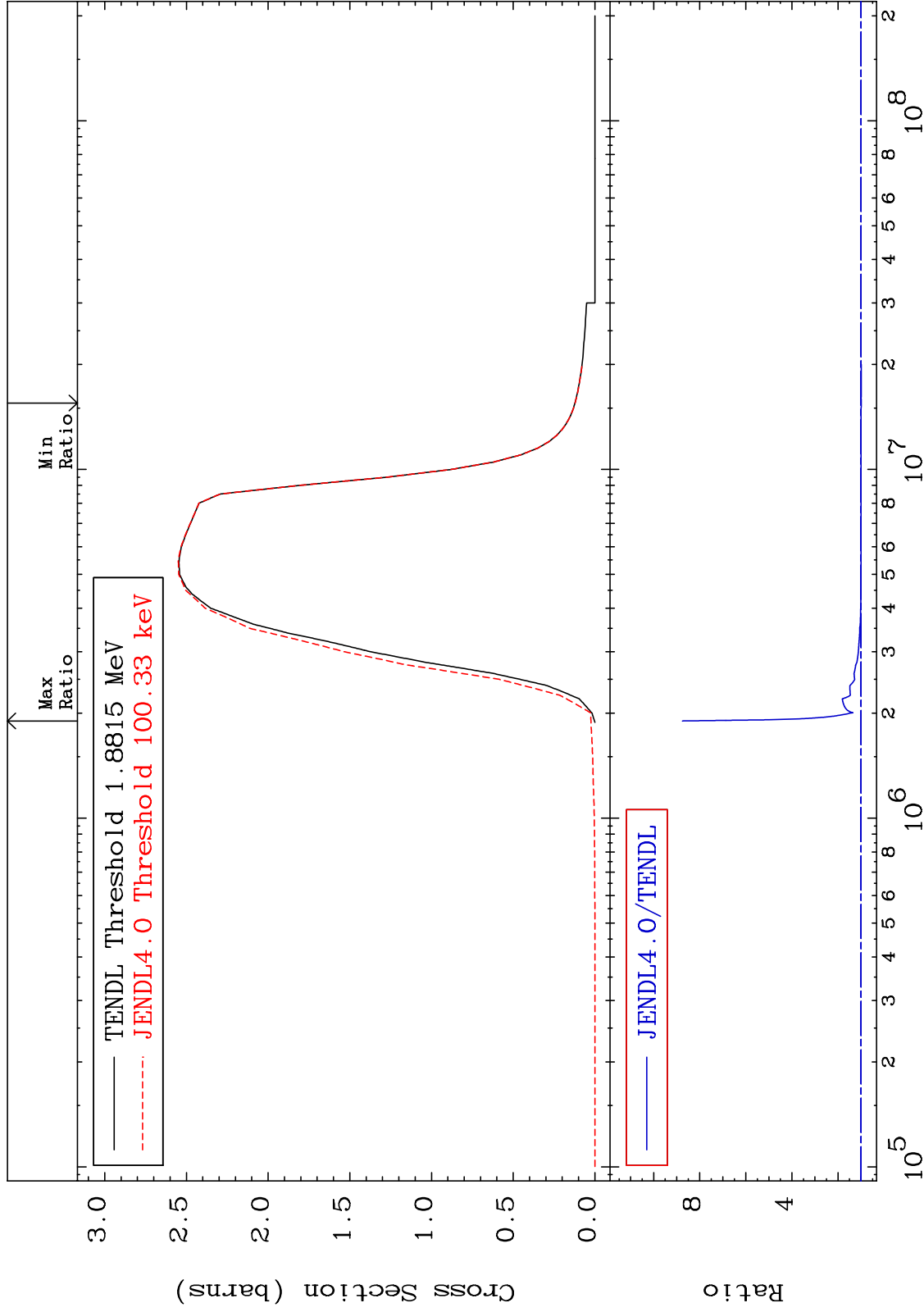
40

74-W -182

MAT 7431

(n, n') Continuum
Cross Section

74-W -182
-1.041 To 775.1 %



41

Incident Energy (eV)

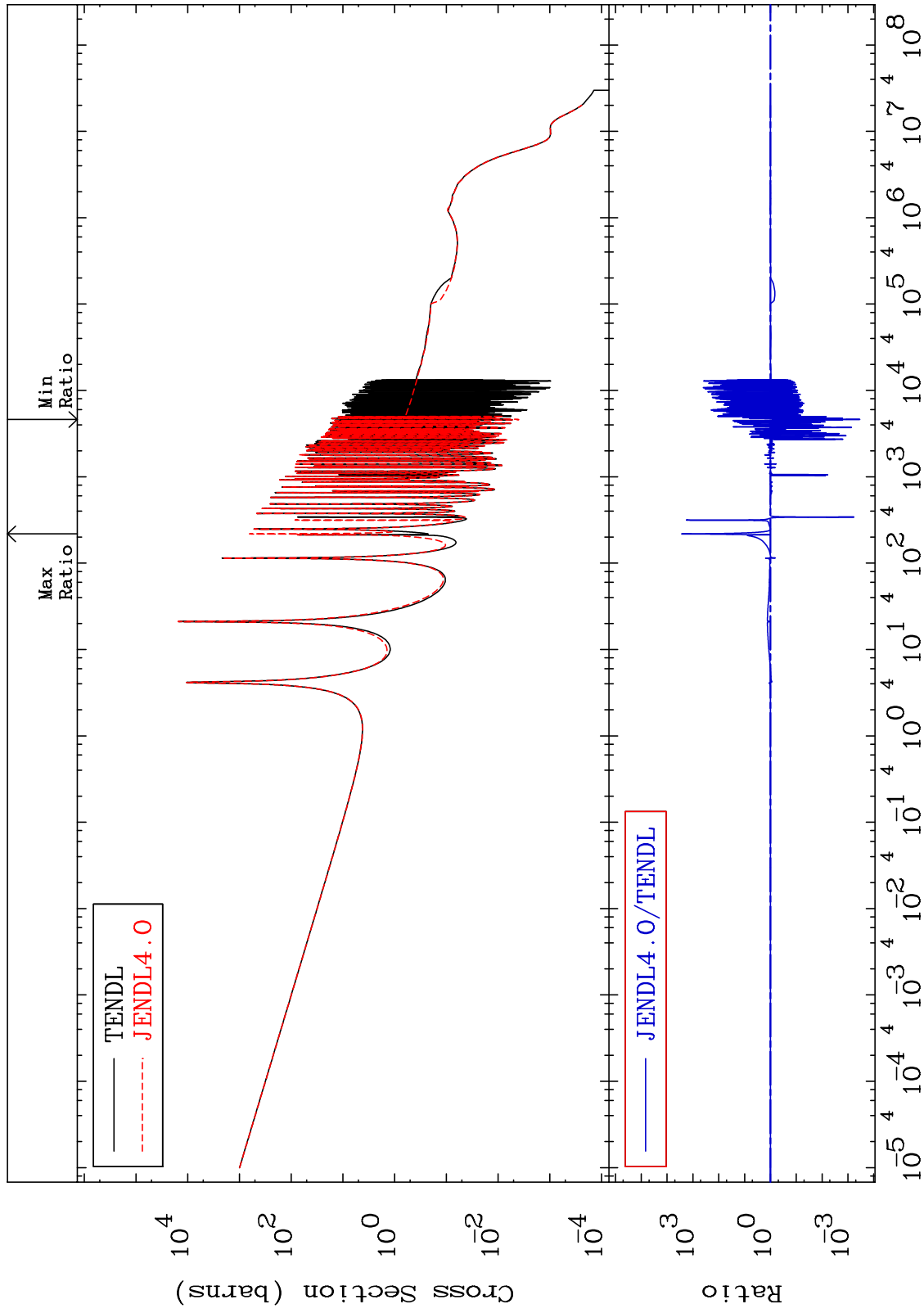
74-W -182

MAT 7431

74-W -182

-99.97 To 9999. %

(n, γ)
Cross Section



42

Incident Energy (eV)

74-W -182

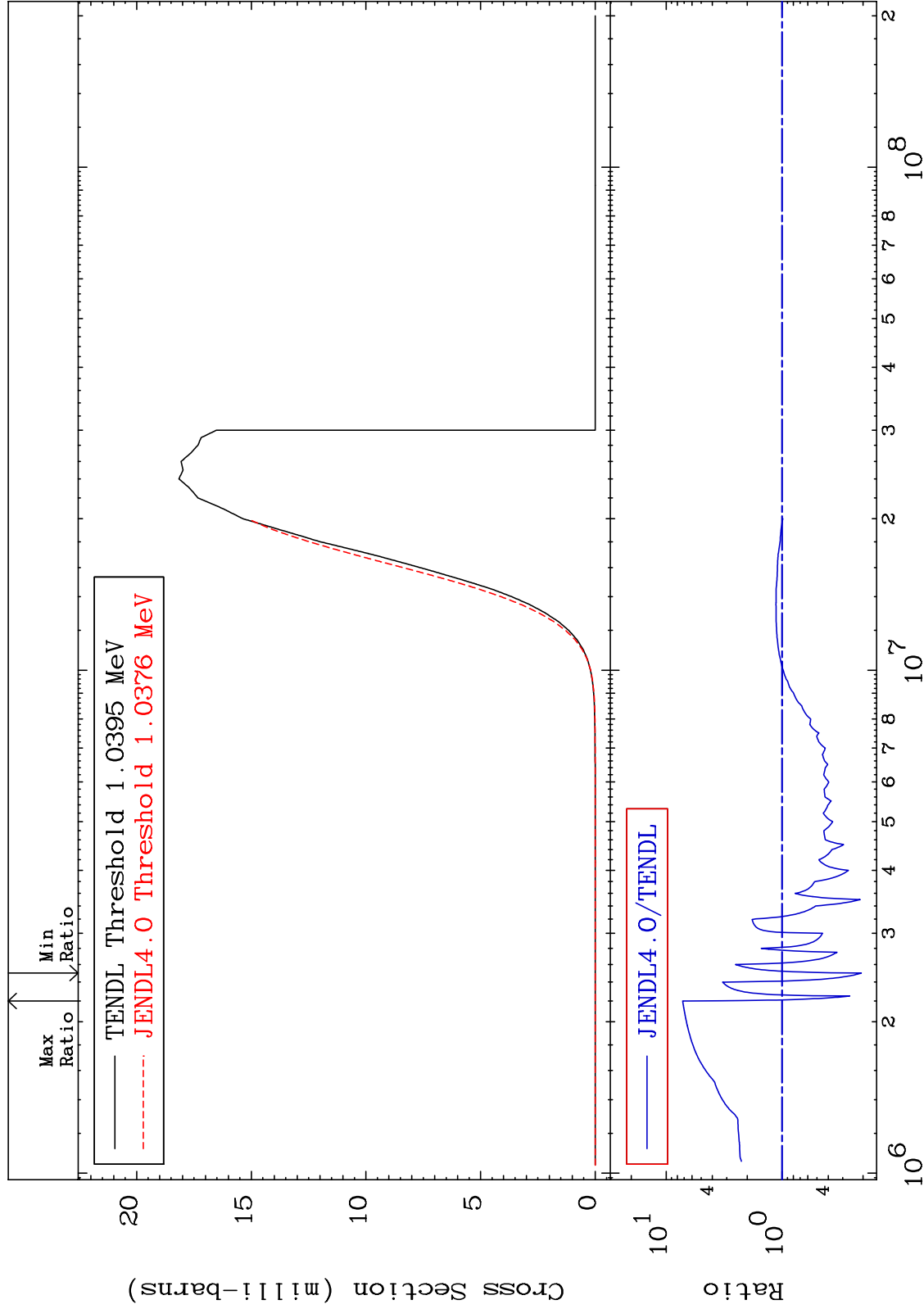
MAT 7431

(n,p)

74-W -182

Cross Section

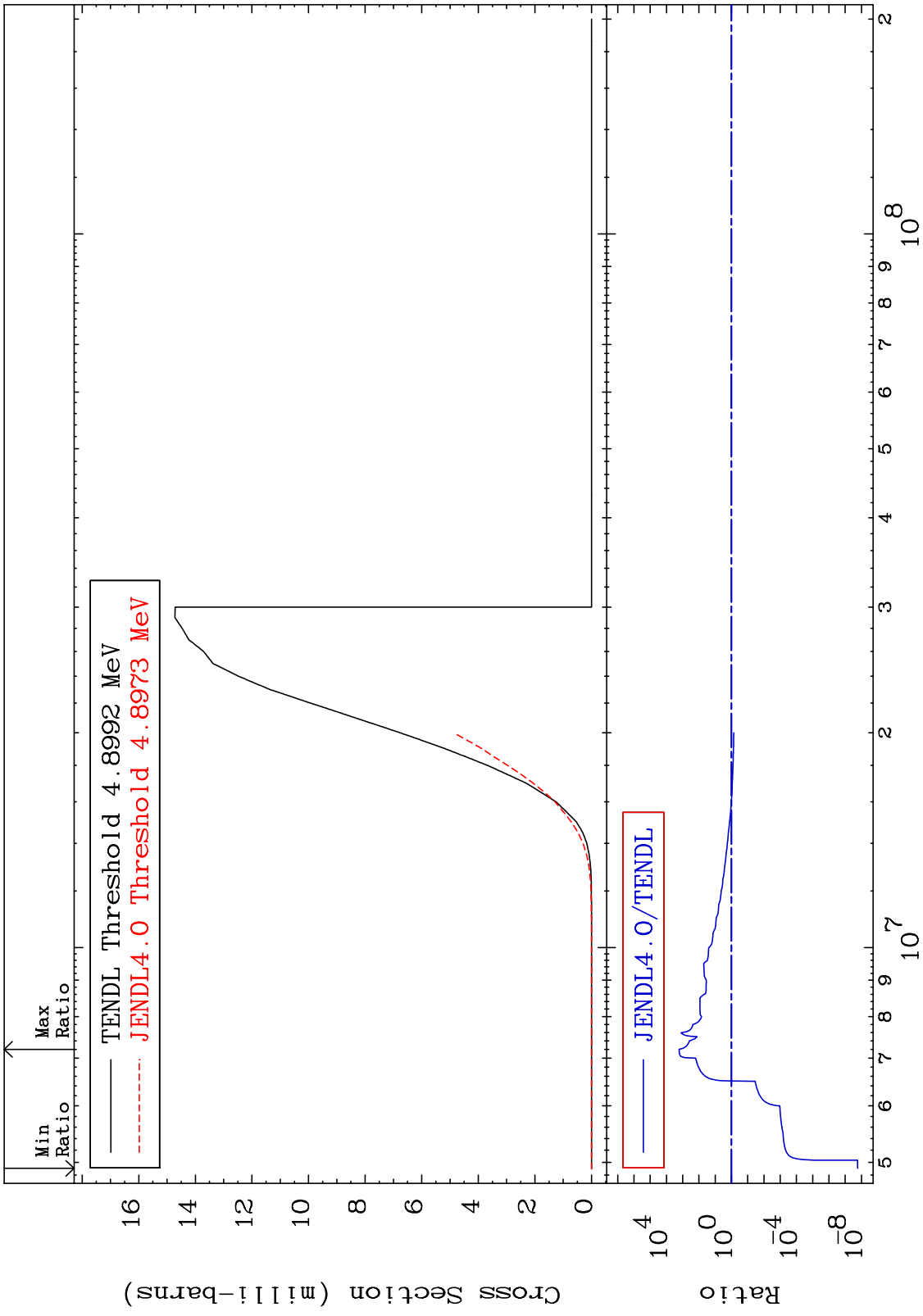
-79.29 To 620.8 %

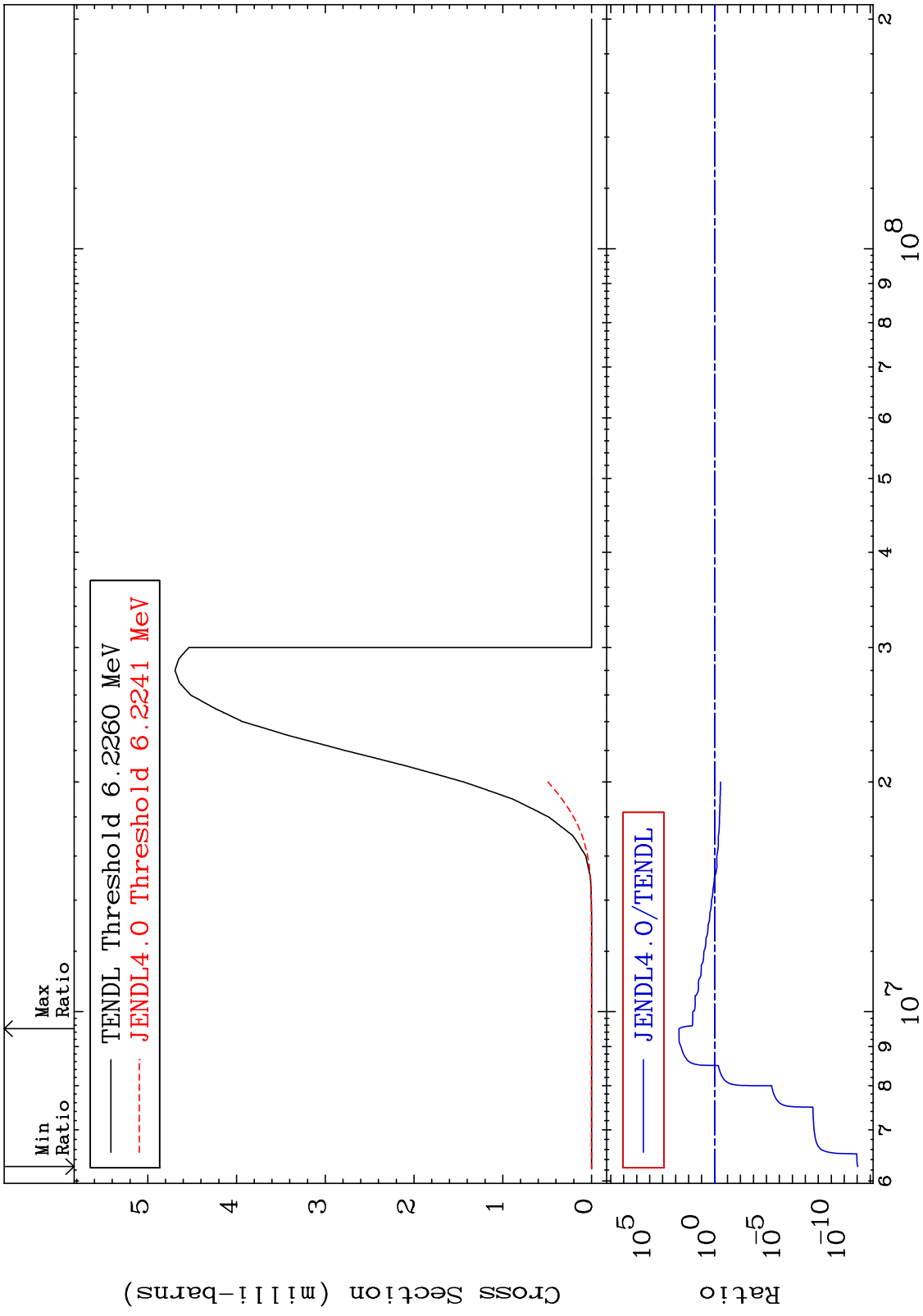


Incident Energy (eV)

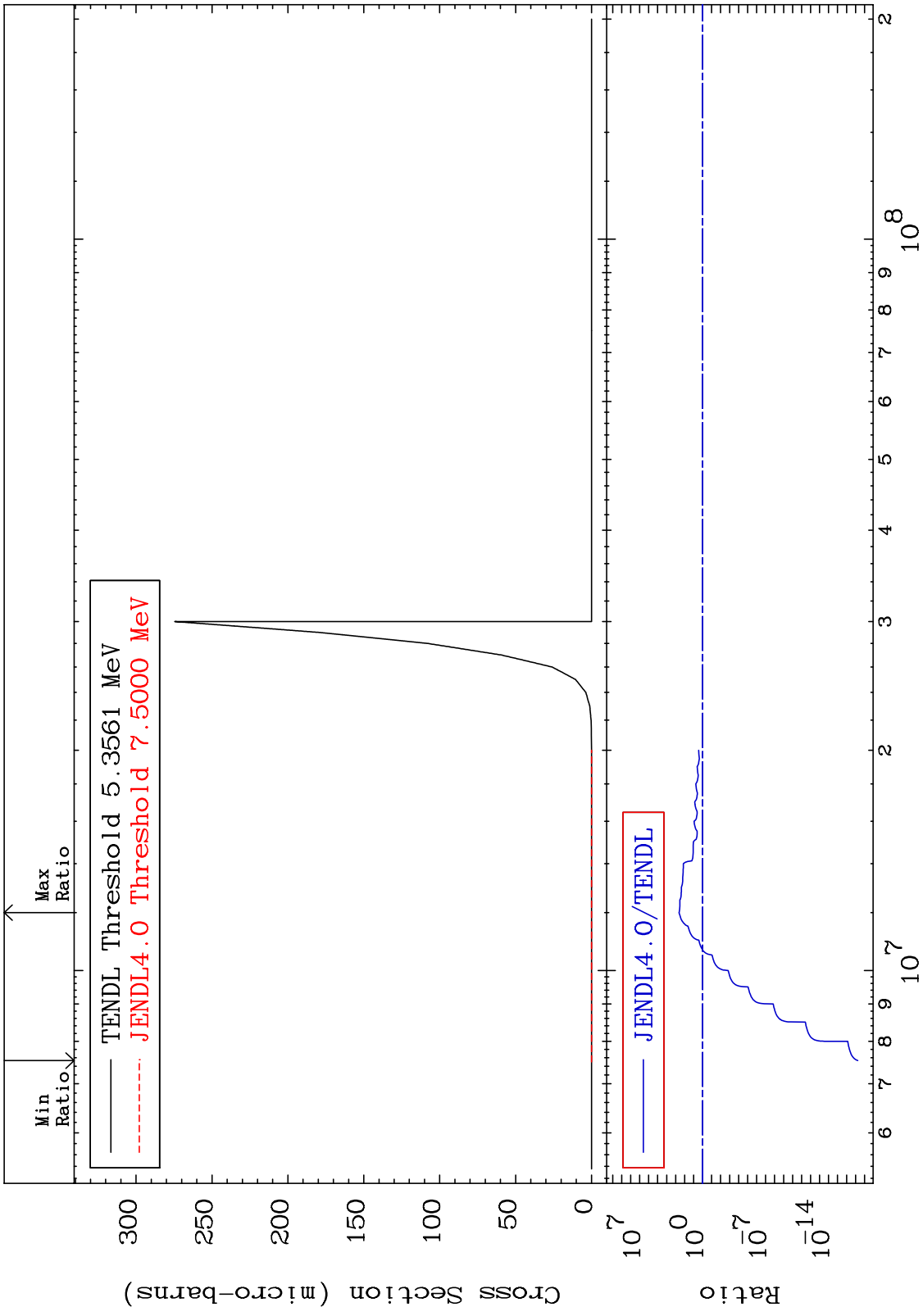
74-W -182

43





MAT 7431 (n, He-3) 74-W -182
 -100.0 To 9999. %
 Cross Section

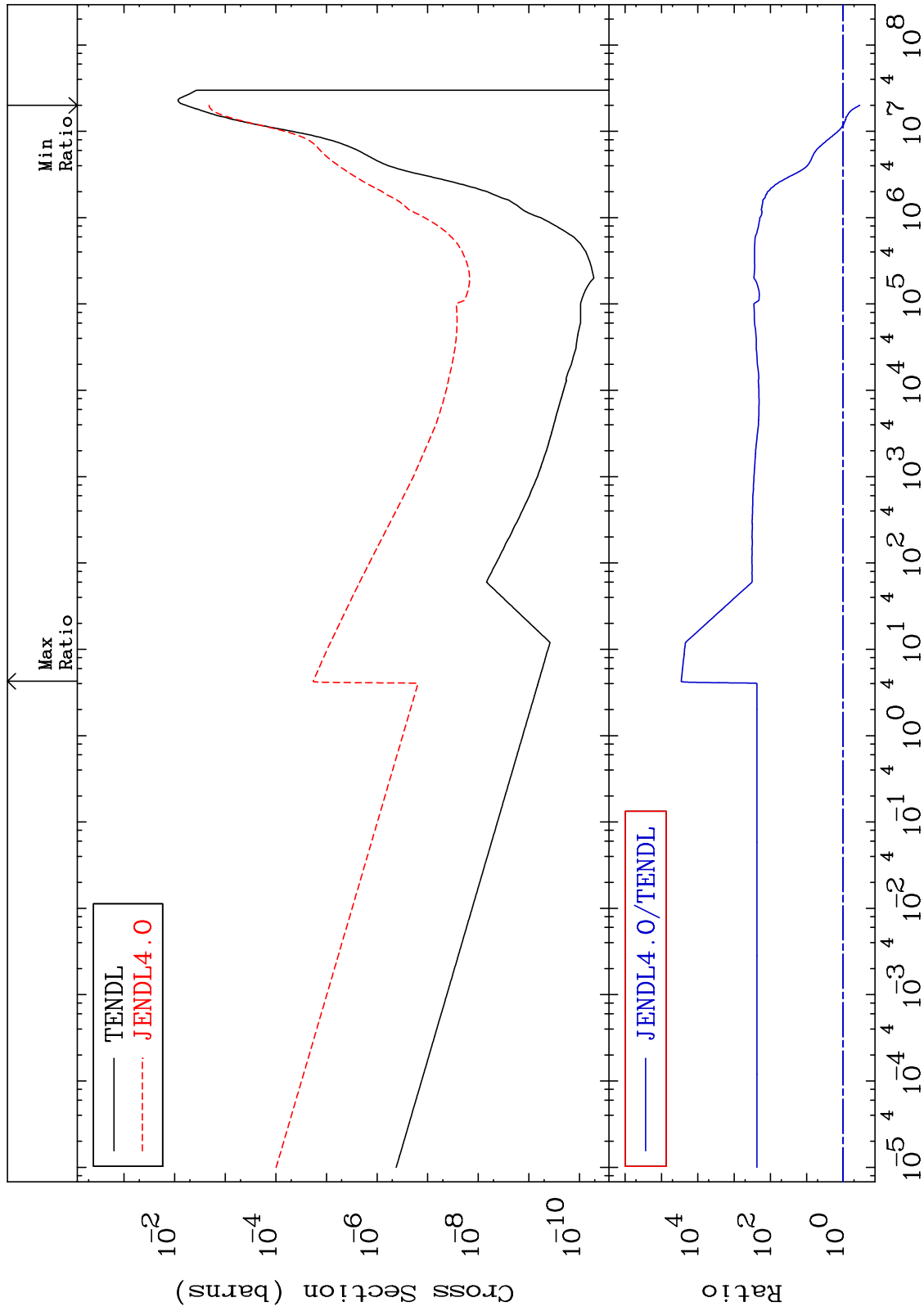


MAT 7431

(n, α)

74-W -182

-65.32 To 9999. %



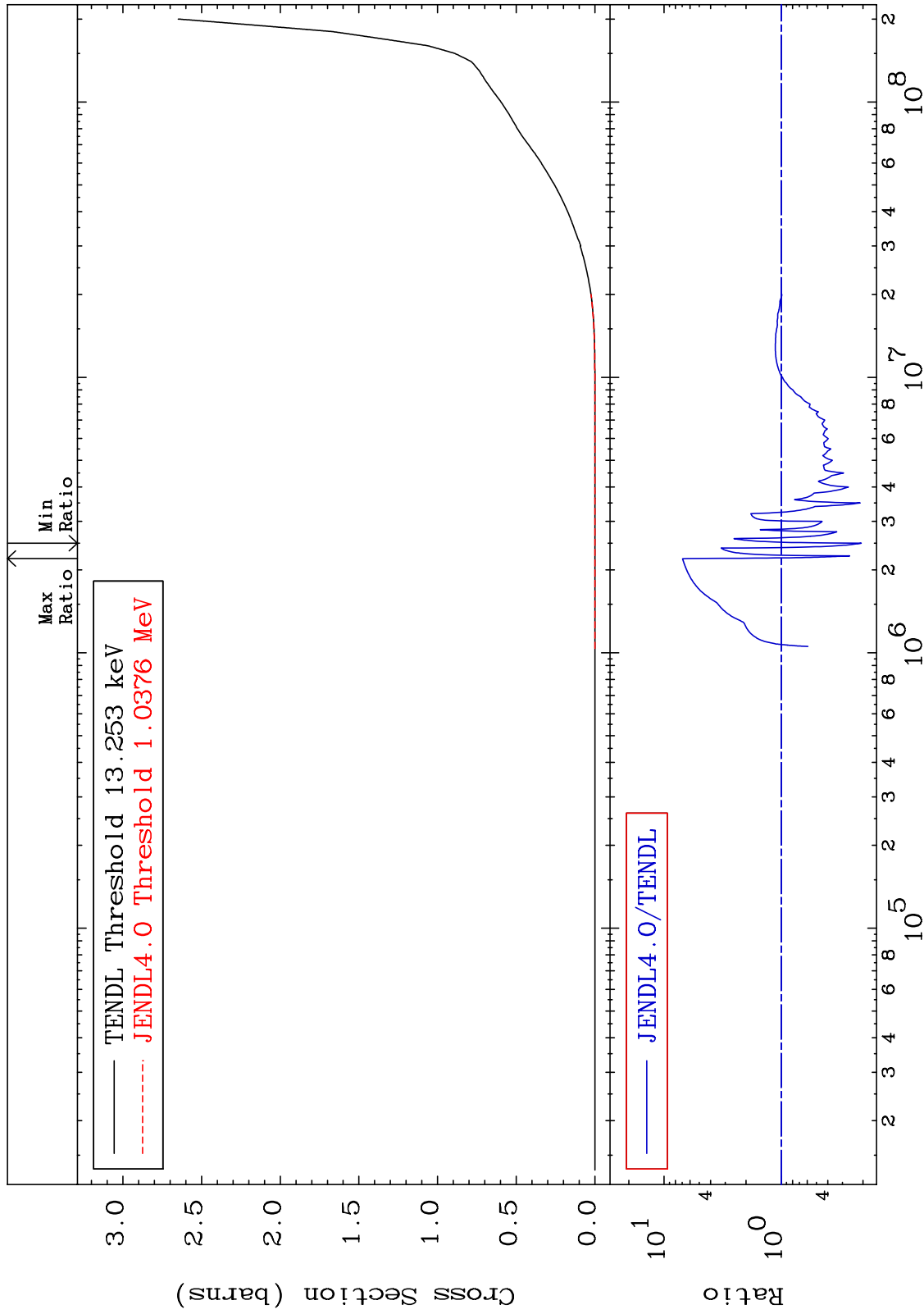
47

74-W -182

MAT 7431

Hydrogen Production
Cross Section

74-W -182
-79.29 To 596.7 %



48

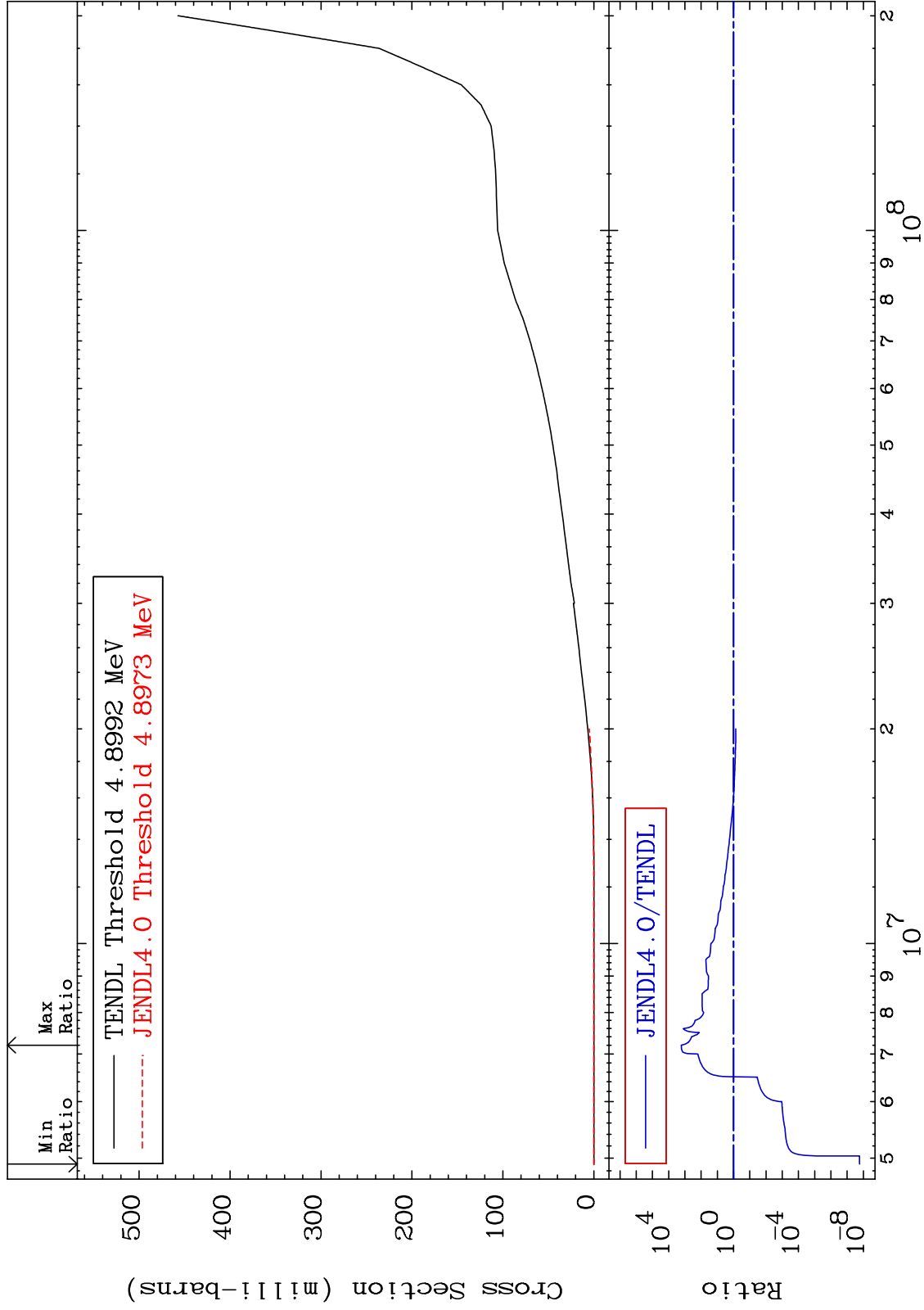
Incident Energy (eV)

74-W -182

MAT 7431

Deuterium Production
Cross Section

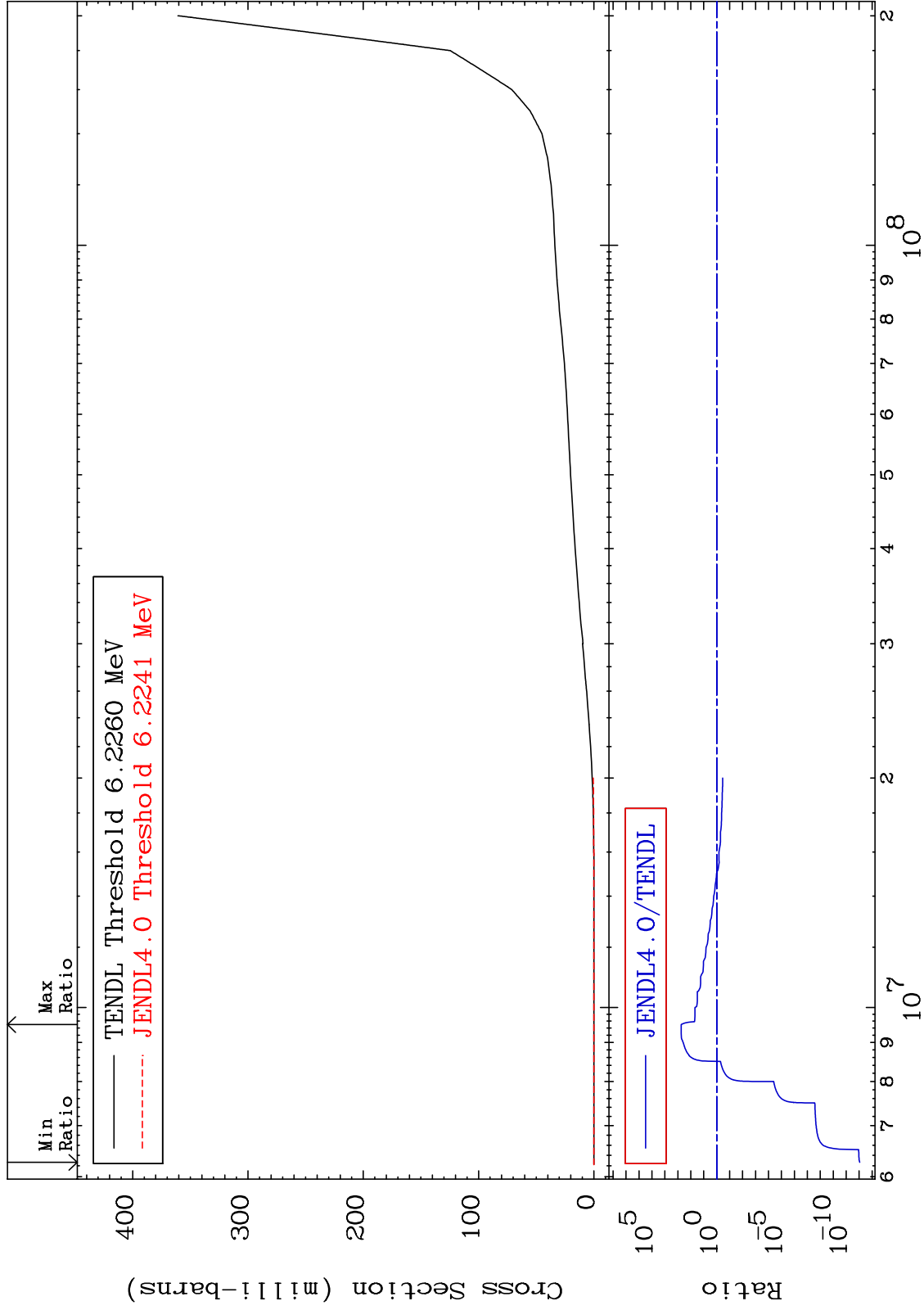
74-W -182
-100.0 To 9999. %



MAT 7431

Tritium Production
Cross Section

74-W -182
-100.0 To 9999. %



50

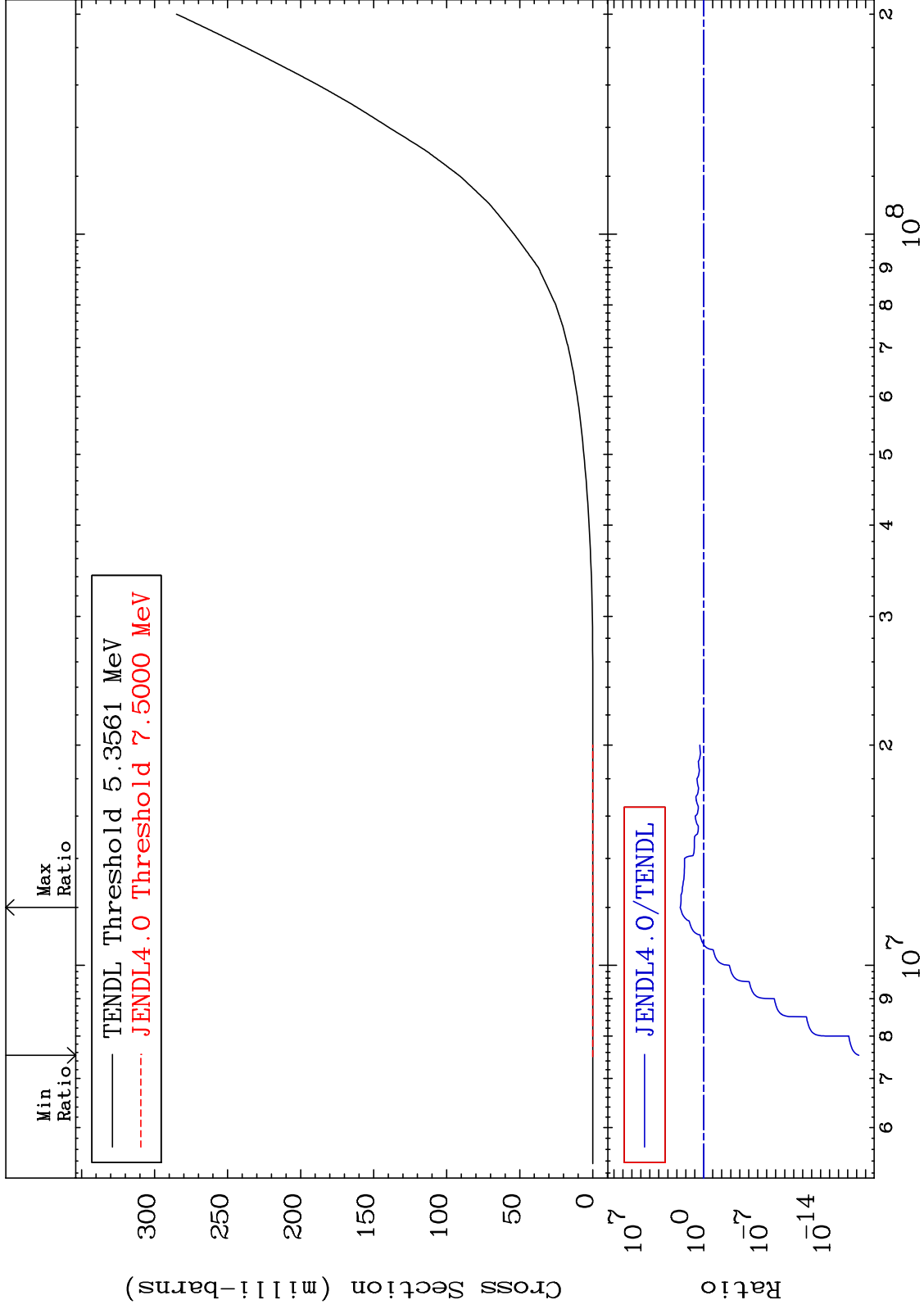
Incident Energy (eV)

74-W -182

MAT 7431

He-3 Production
Cross Section

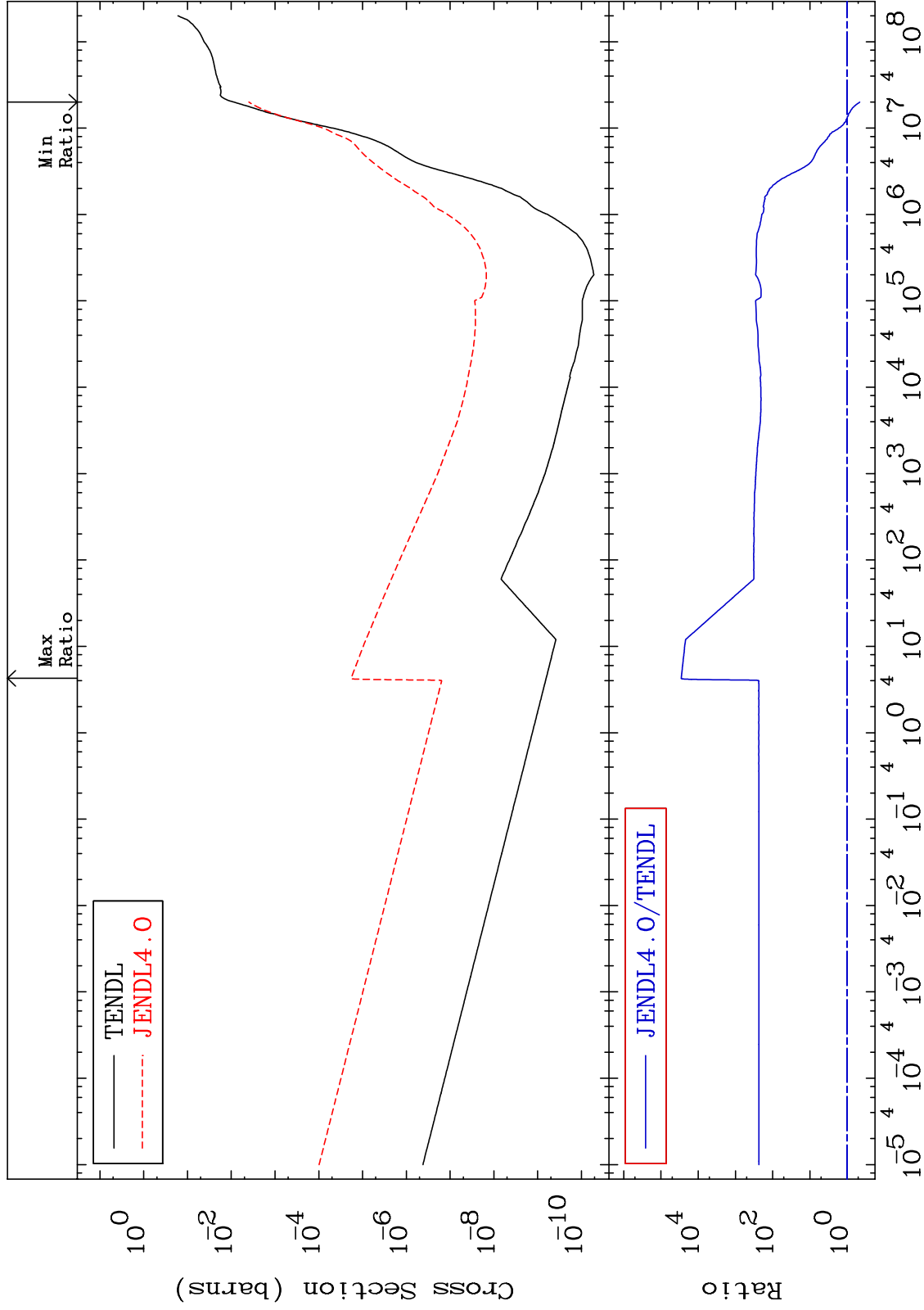
74-W -182
-100.0 To 9999. %



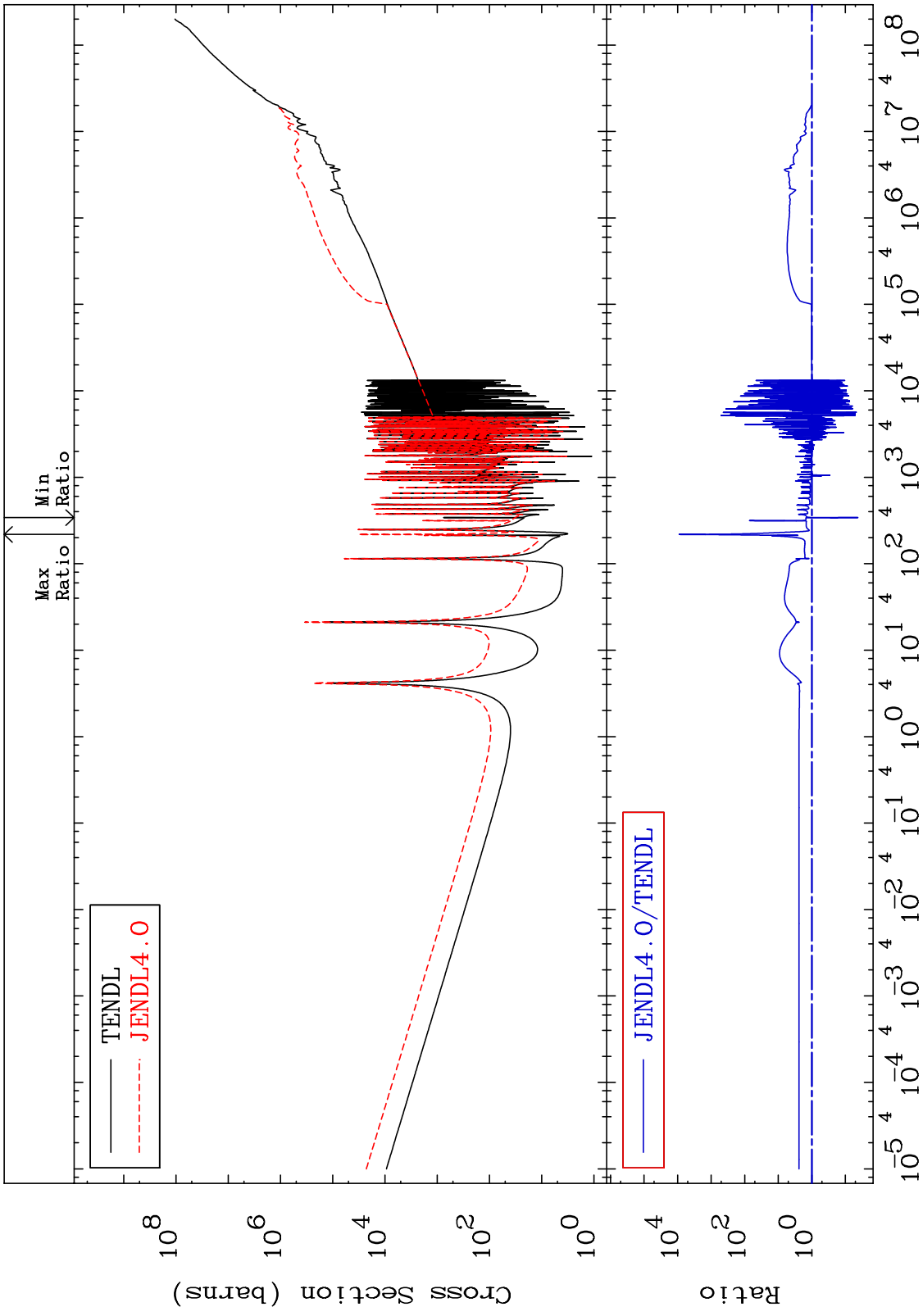
MAT 7431

He-4 Production
Cross Section

74-W -182
-54.40 To 9999. %



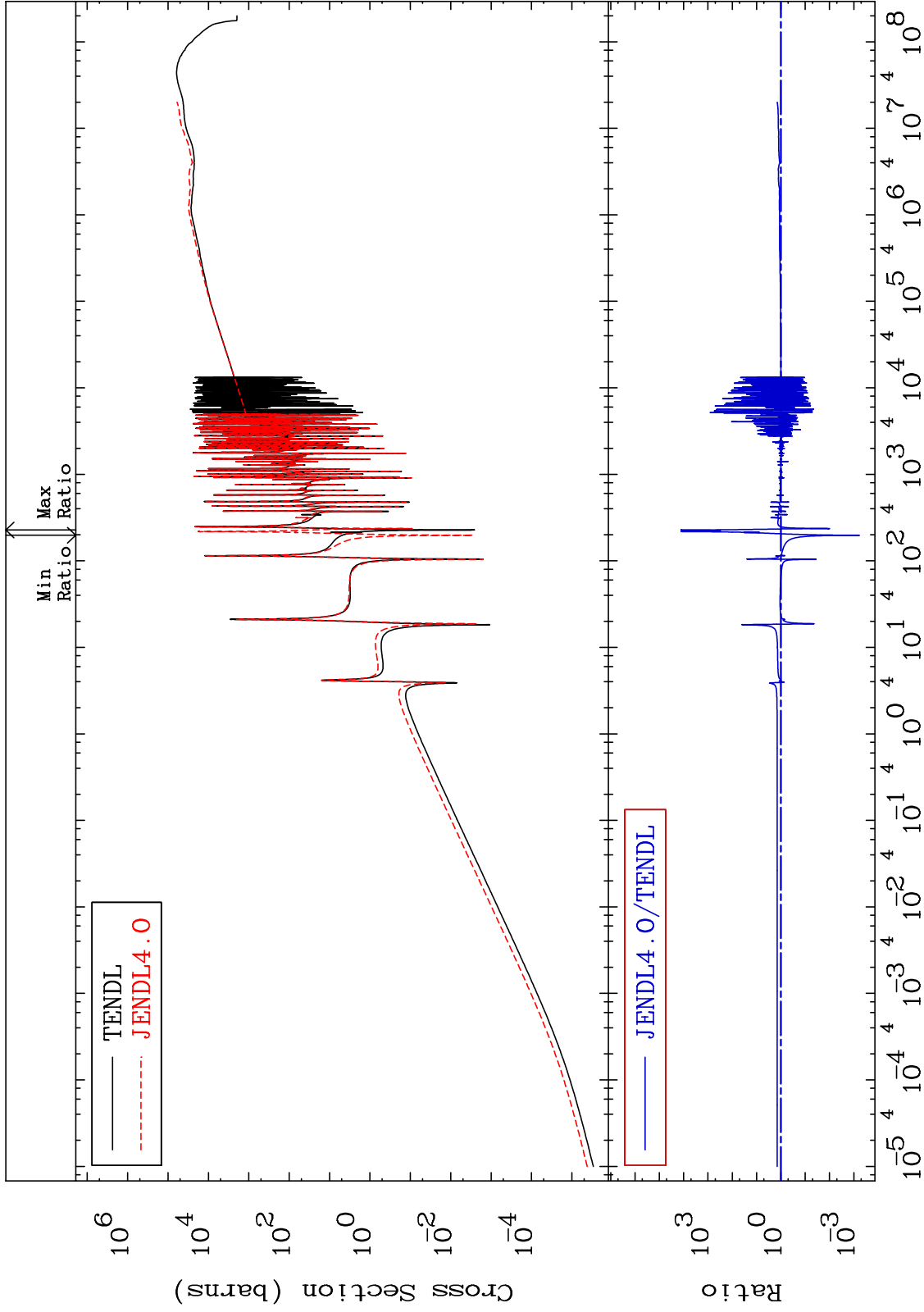
MAT 7431 Kerma total (eV-barns) 74-W -182
 Cross Section -95.75 To 9999. %



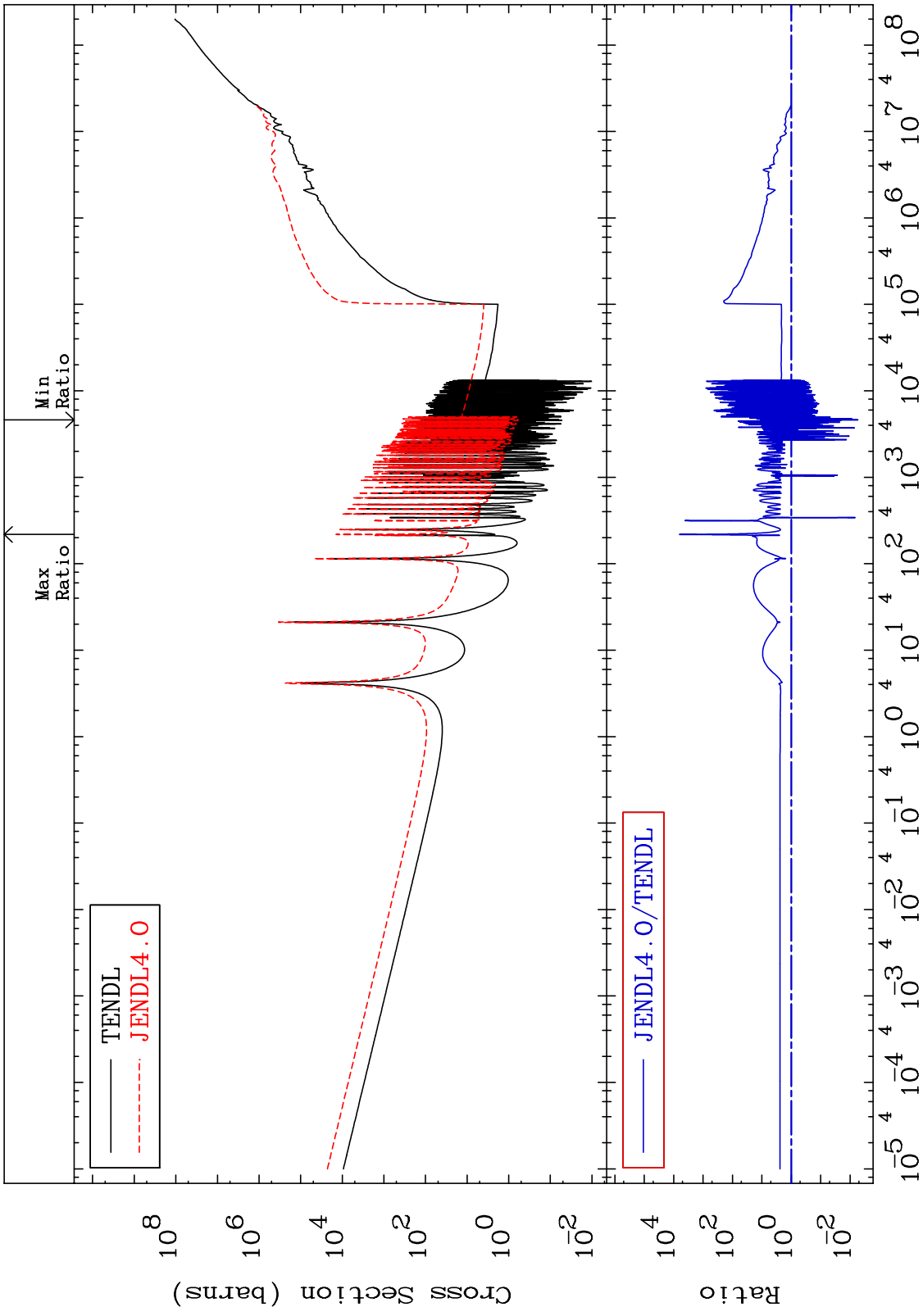
MAT 7431

Kerma elastic
Cross Section

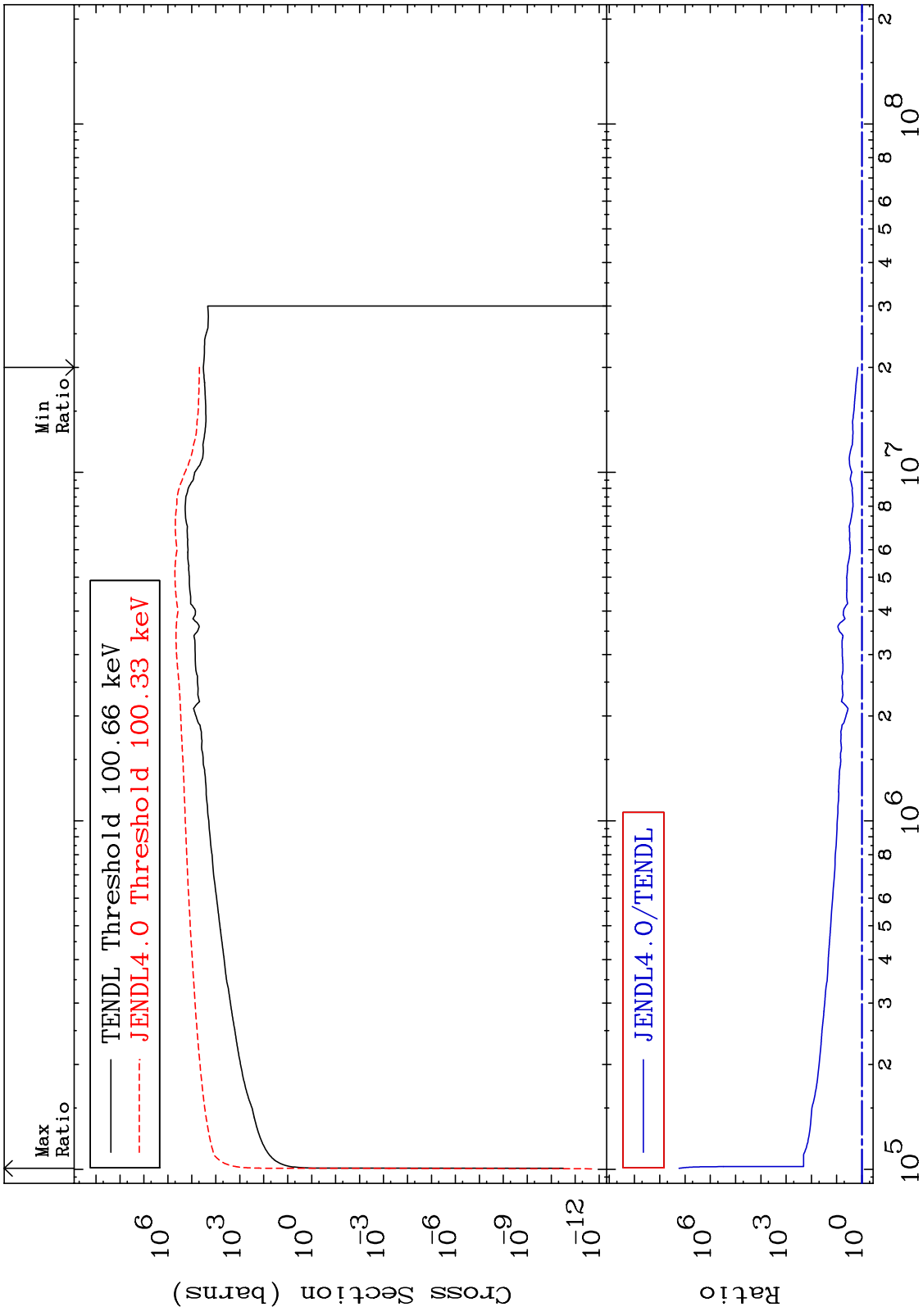
74-W -182
-99.94 To 9999. %



MAT 7431 Kerma non-elastic (all but mt2) 74-W -182
 -99.45 To 9999. %



MAT 7431 Kerma inelastic (mt51-91) 74-W -182
 Cross Section 45.57 To 9999. %

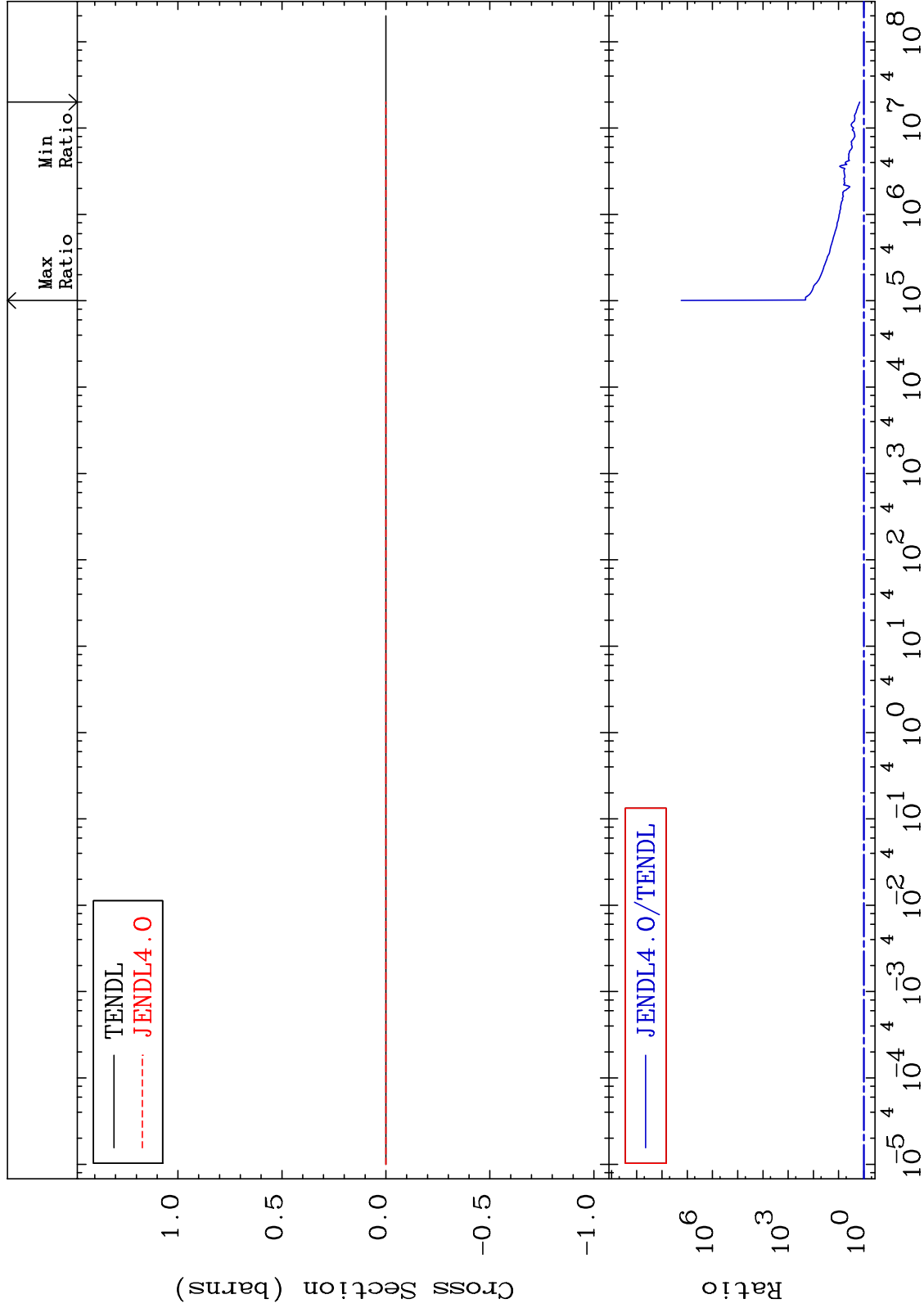


56 74-W -182

MAT 7431

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

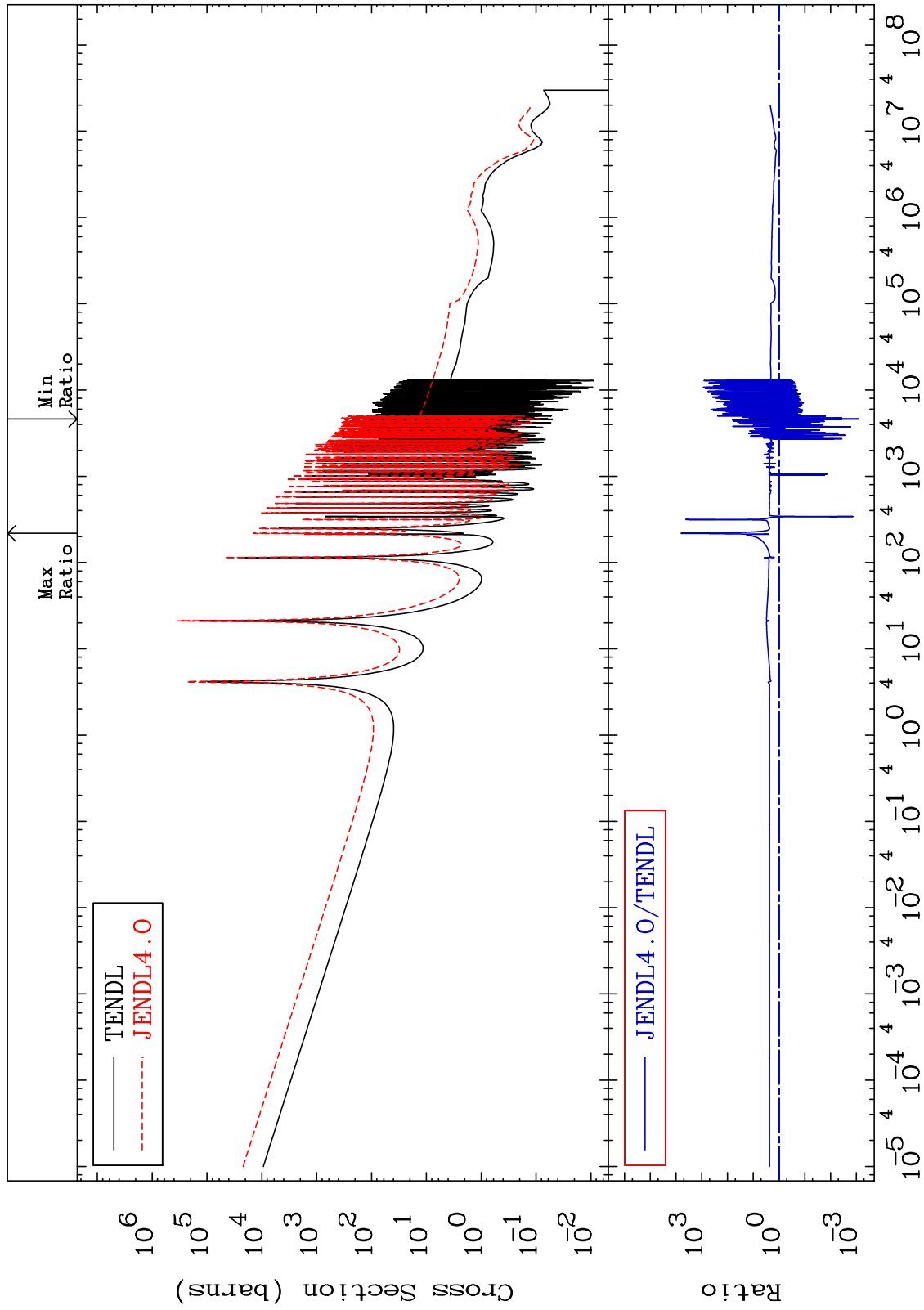
74-W -182
45.57 To 9999. %



MAT 7431

Kerma capture (mt102)
Cross Section

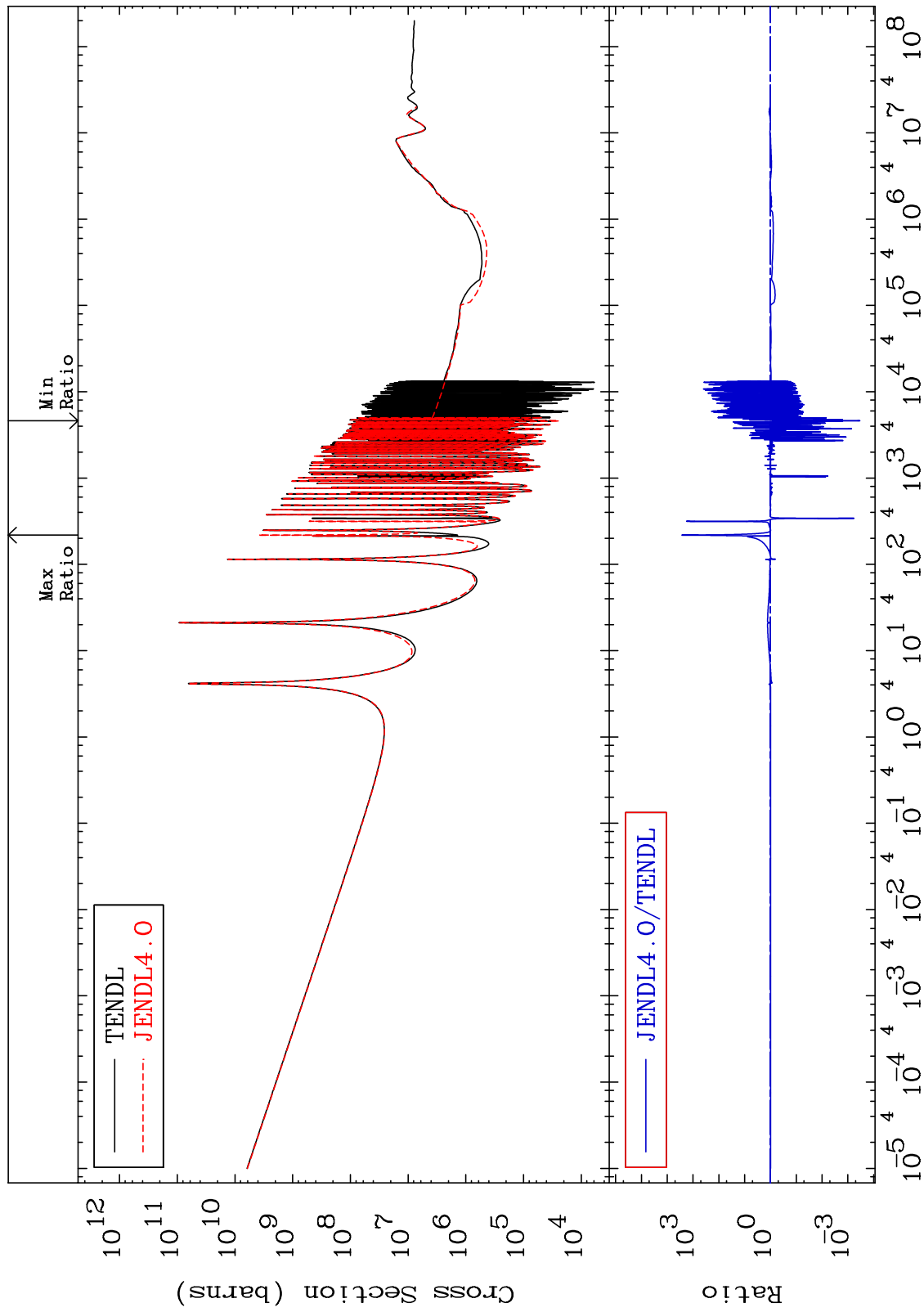
74-W -182
-99.92 To 9999. %



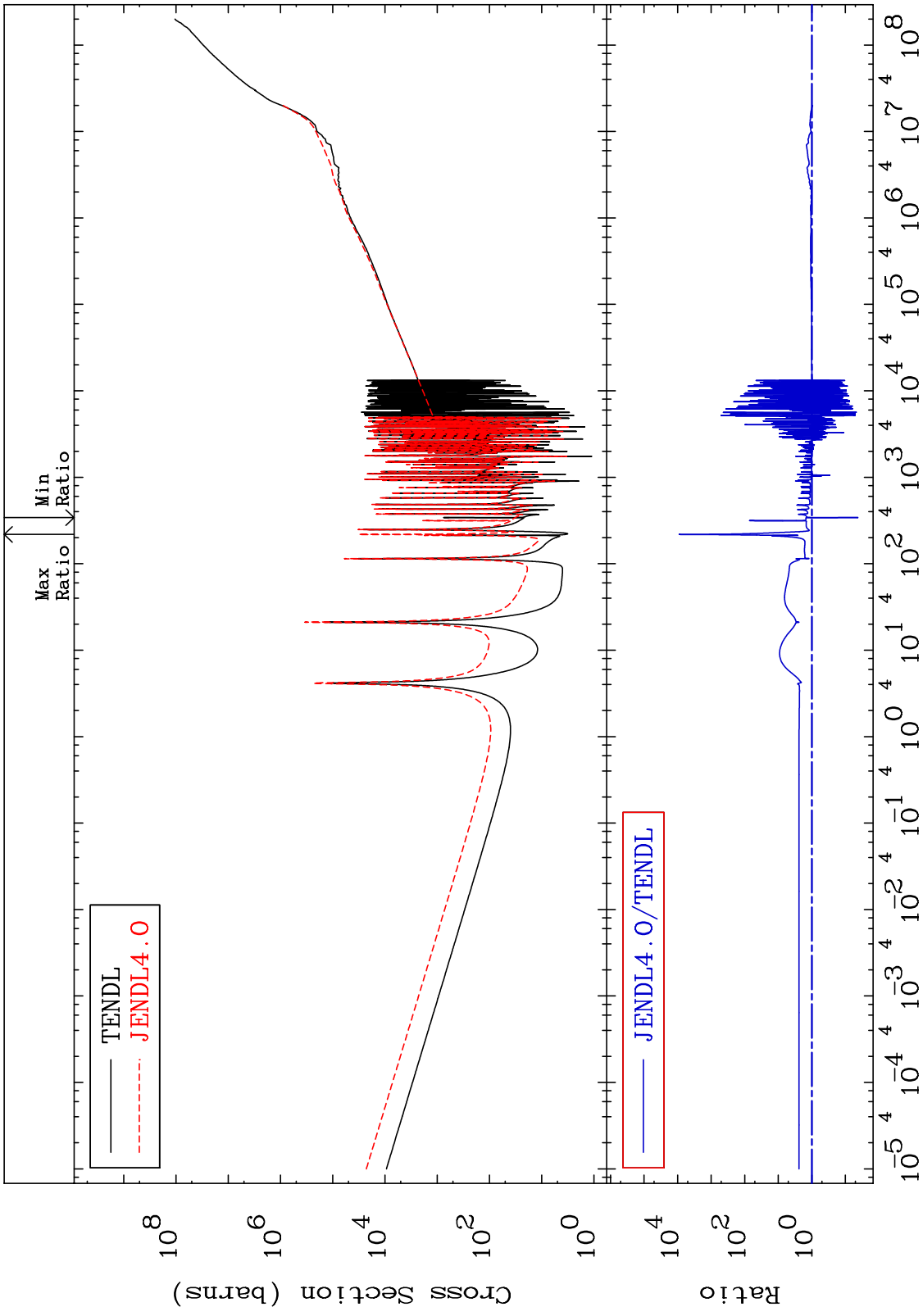
MAT 7431

Total photon (eV-barns)
Cross Section

74-W -182
-99.97 To 9999. %



MAT 7431 Total kinematic kerma (high limit) 74-W -182
Cross Section -95.75 To 9999. %

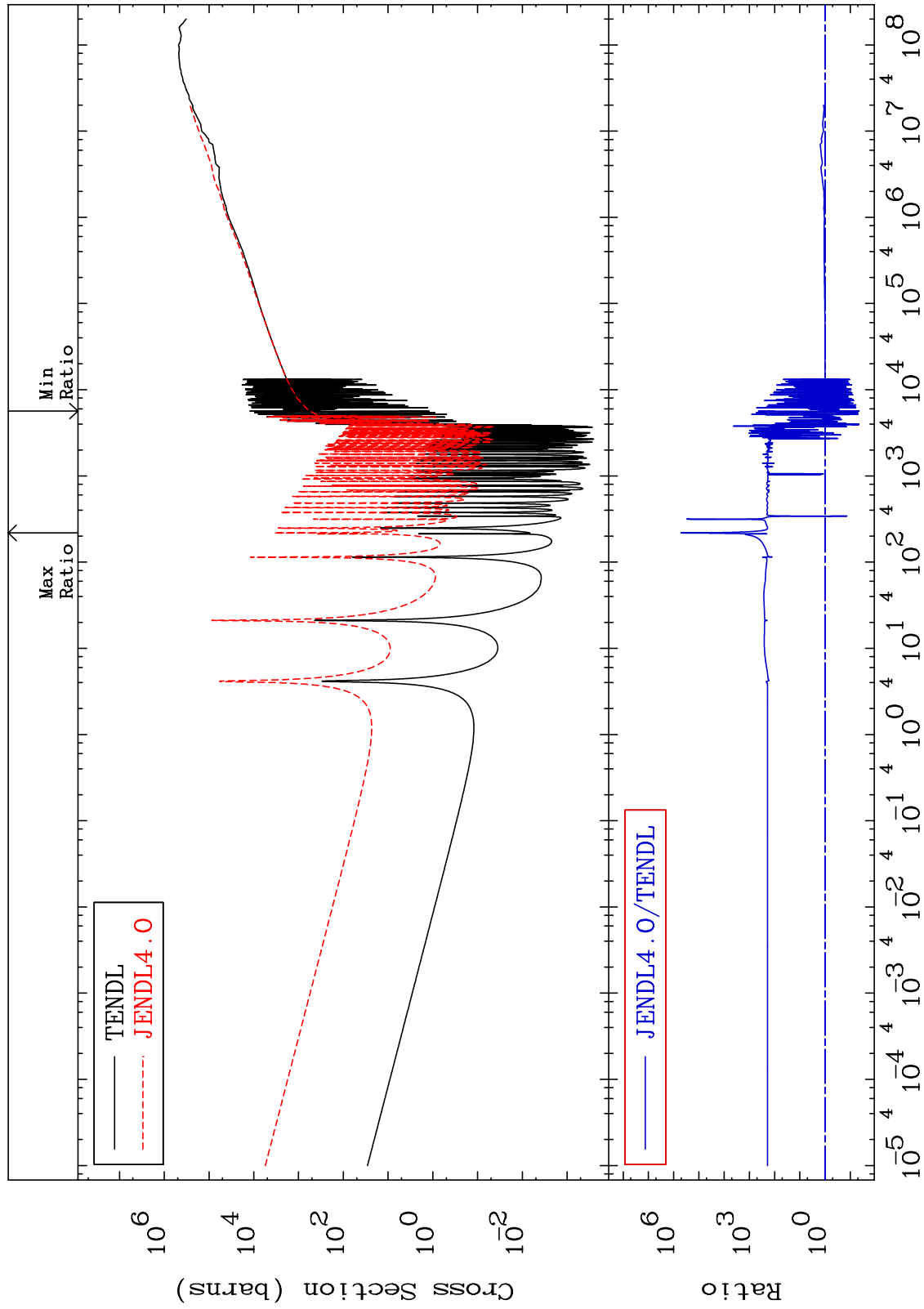


60 Incident Energy (eV) 74-W -182

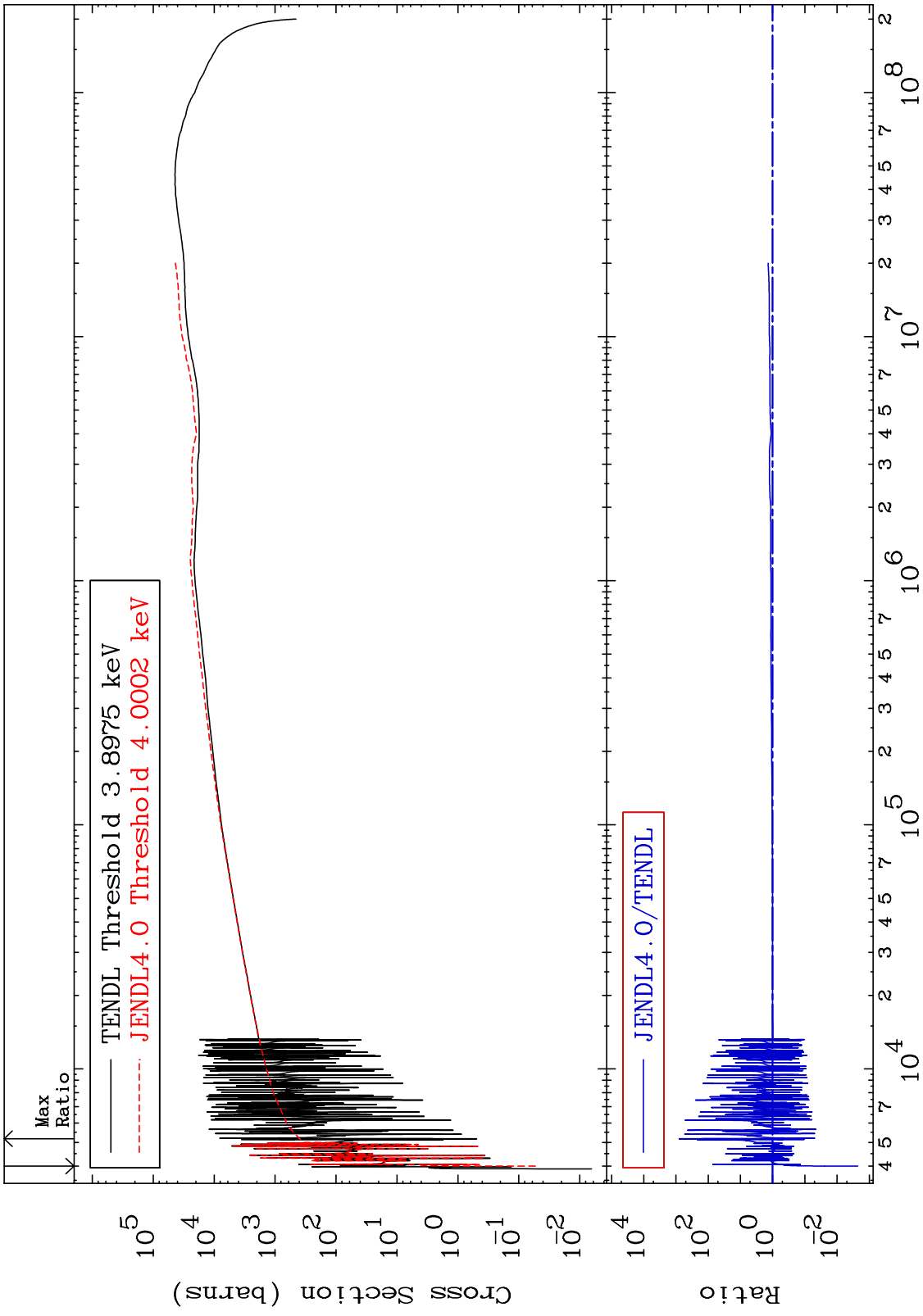
MAT 7431

Dpa total (eV-barns)
Cross Section

74-W -182
-95.50 To 9999. %

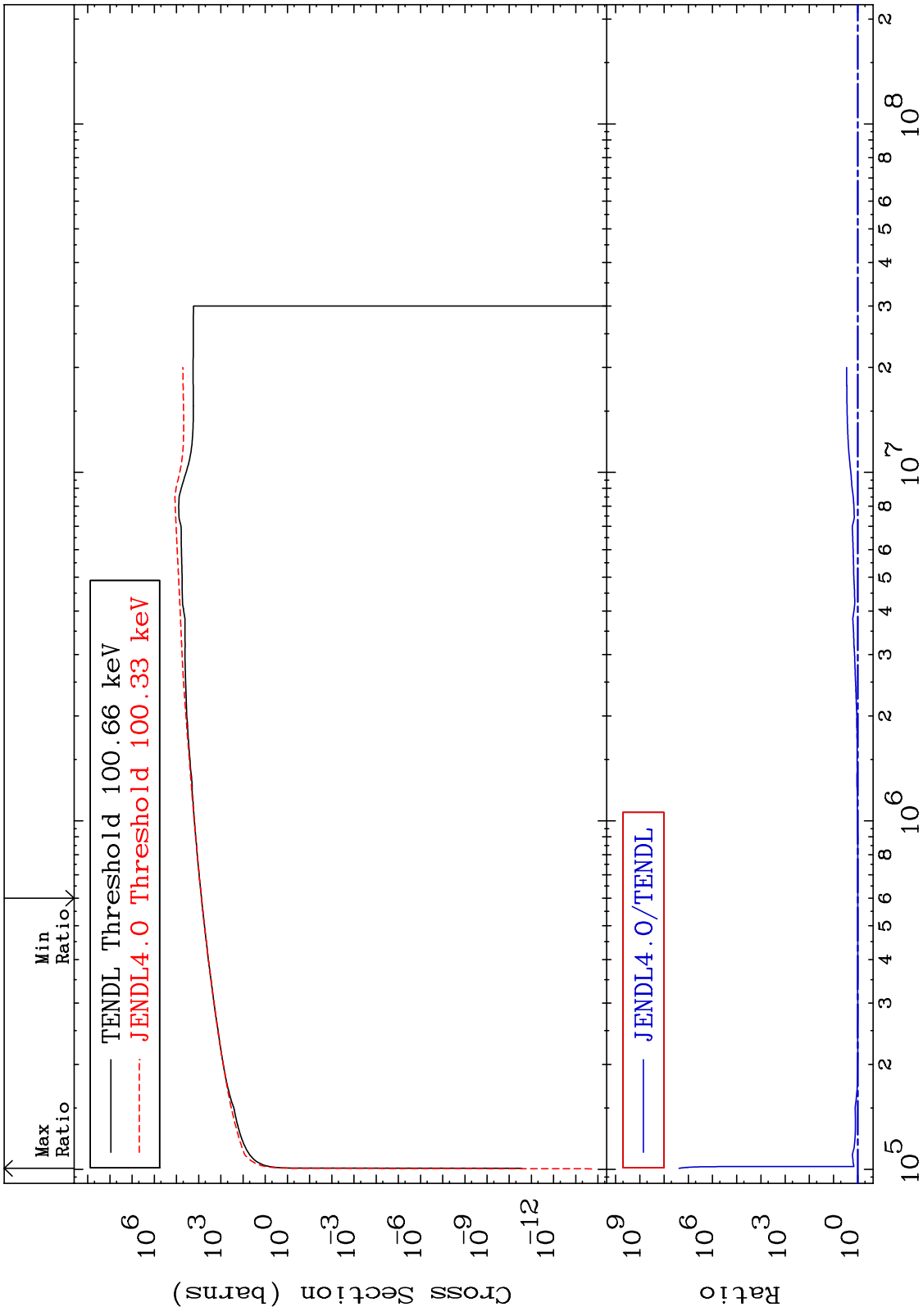


MAT 7431 Dpa elastic (mt2) 74-W -182
 Cross Section -99.77 To 9999. %



62 74-W -182

MAT 7431 Dpa inelastic (mt51-91) 74-W -182
 Cross Section -0.794 To 9999. %



63 Incident Energy (eV) 74-W -182

MAT 7431 Dpa disappearance (mt102 -120) 74-W -182
 Cross Section -92.42 To 9999. %

