

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

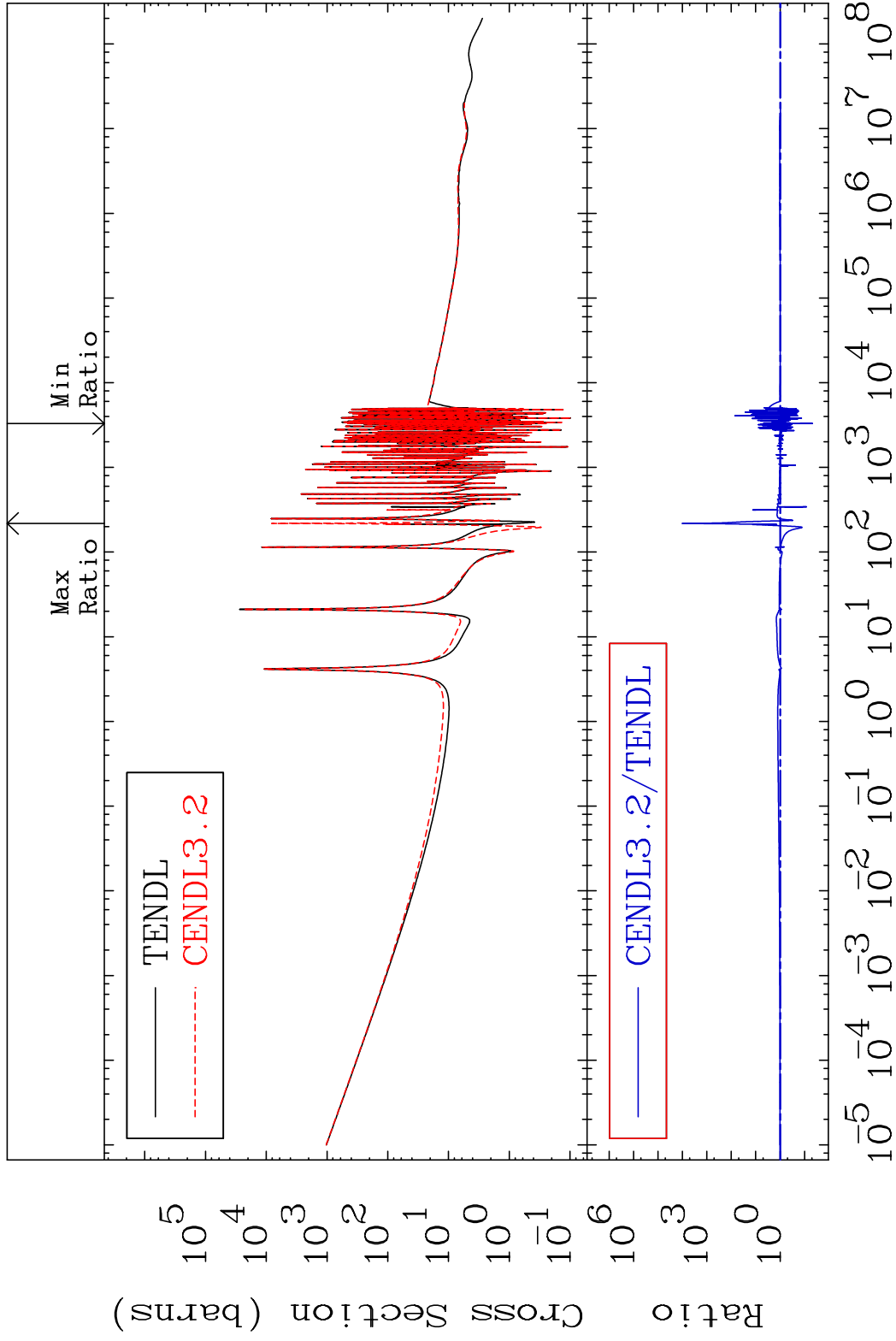
Press Mouse Button to Start

MAT 7431

Total

74-W -182

Cross Section -95.30 To 9999. %



1

Incident Energy (eV)

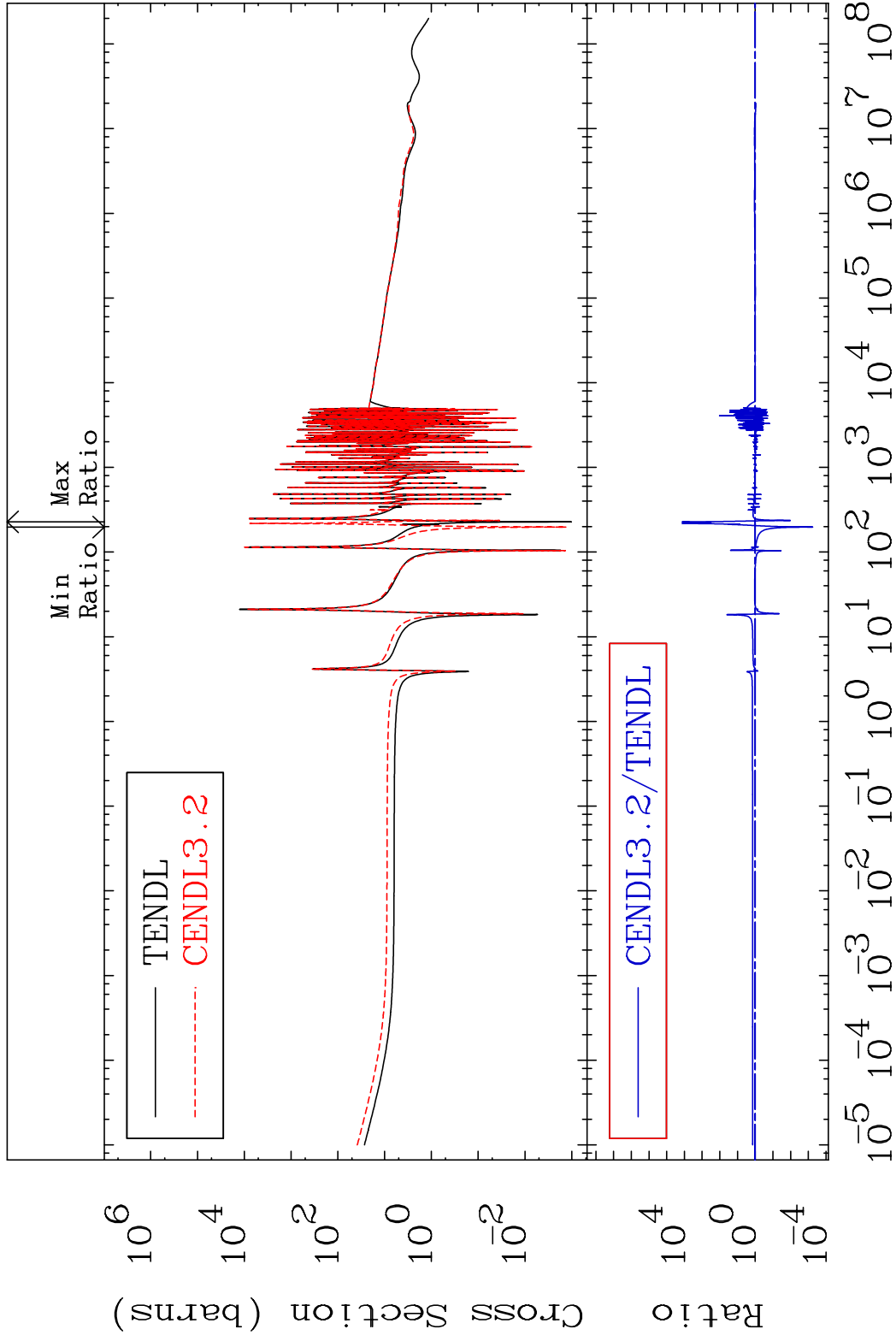
74-W -182

MAT 7431

Elastic

74-W -182

Cross Section -99.94 To 9999. %



2

Incident Energy (eV)

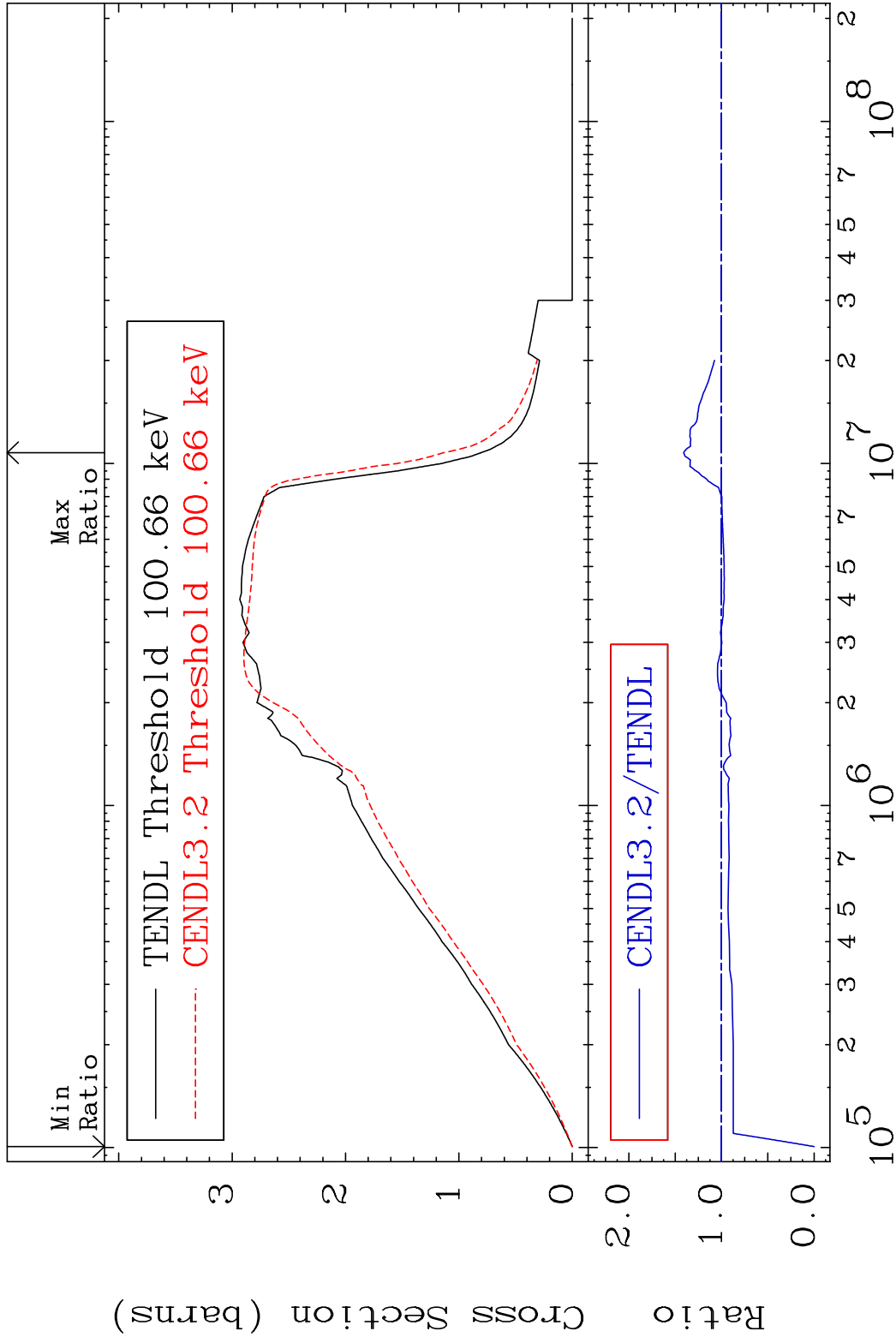
74-W -182

MAT 7431

Inelastic

74-W -182

Cross Section -100.0 To 40.79 %



3 Incident Energy (eV)

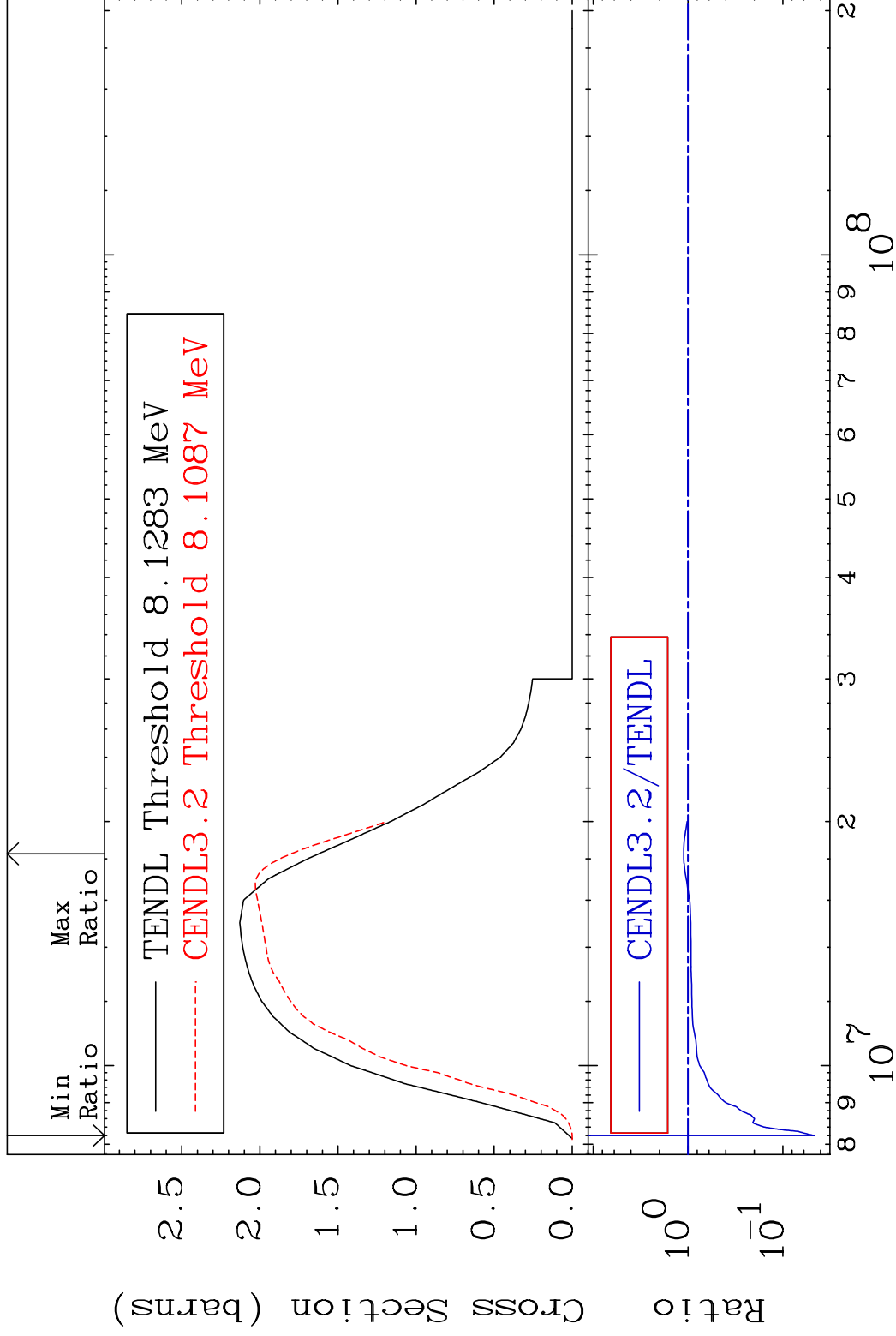
74-W -182

MAT 7431

(n,2n)

74-W -182

Cross Section -95.33 To 10.96 %



4

Incident Energy (eV)

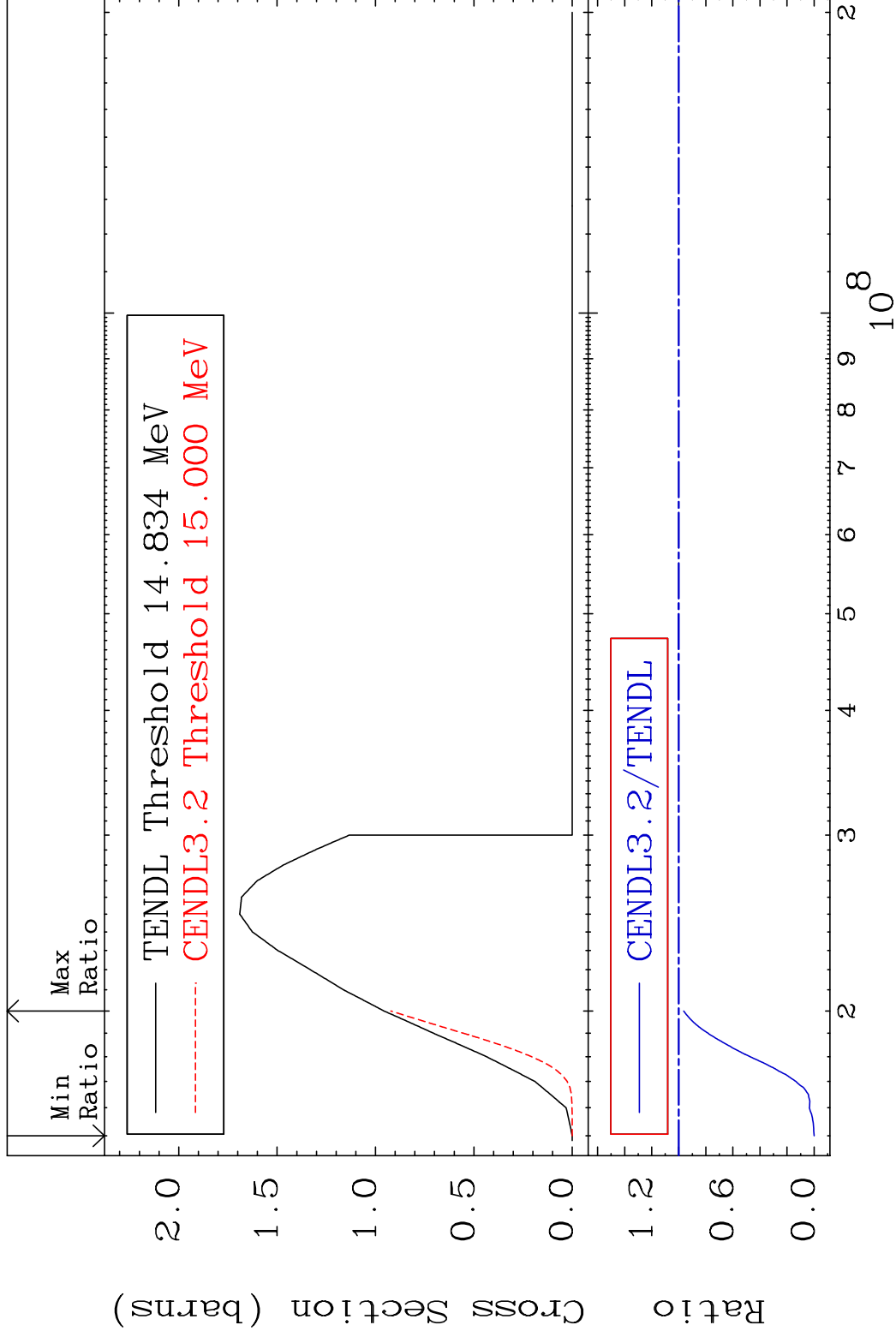
74-W -182

MAT 7431

(n,3n)

74-W -182

Cross Section -100.0 To -3.605%



5

Incident Energy (eV)

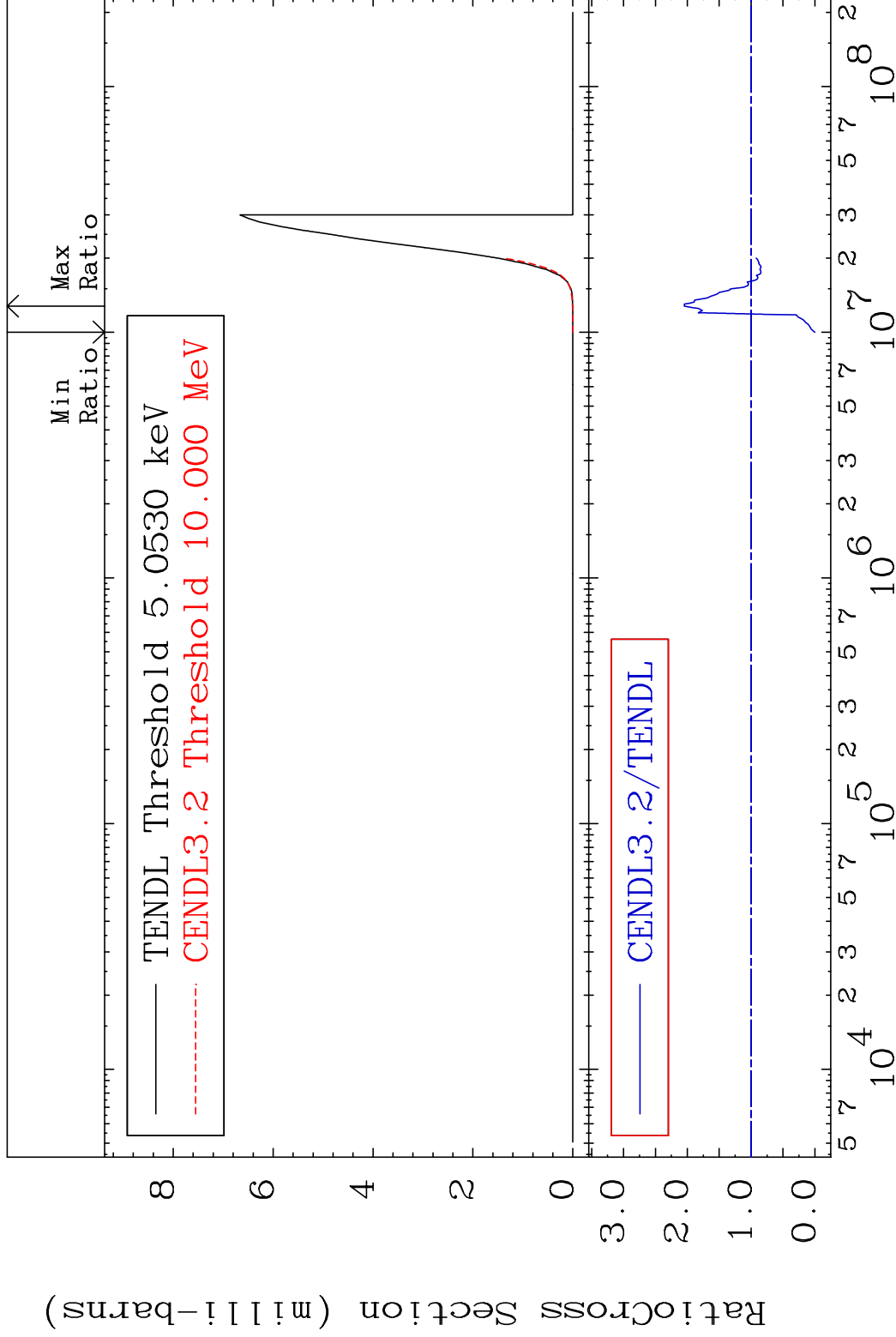
74-W -182

MAT 7431

(n, n') α

74-W -182

Cross Section -100.0 To 104.7 %



6

Incident Energy (eV)

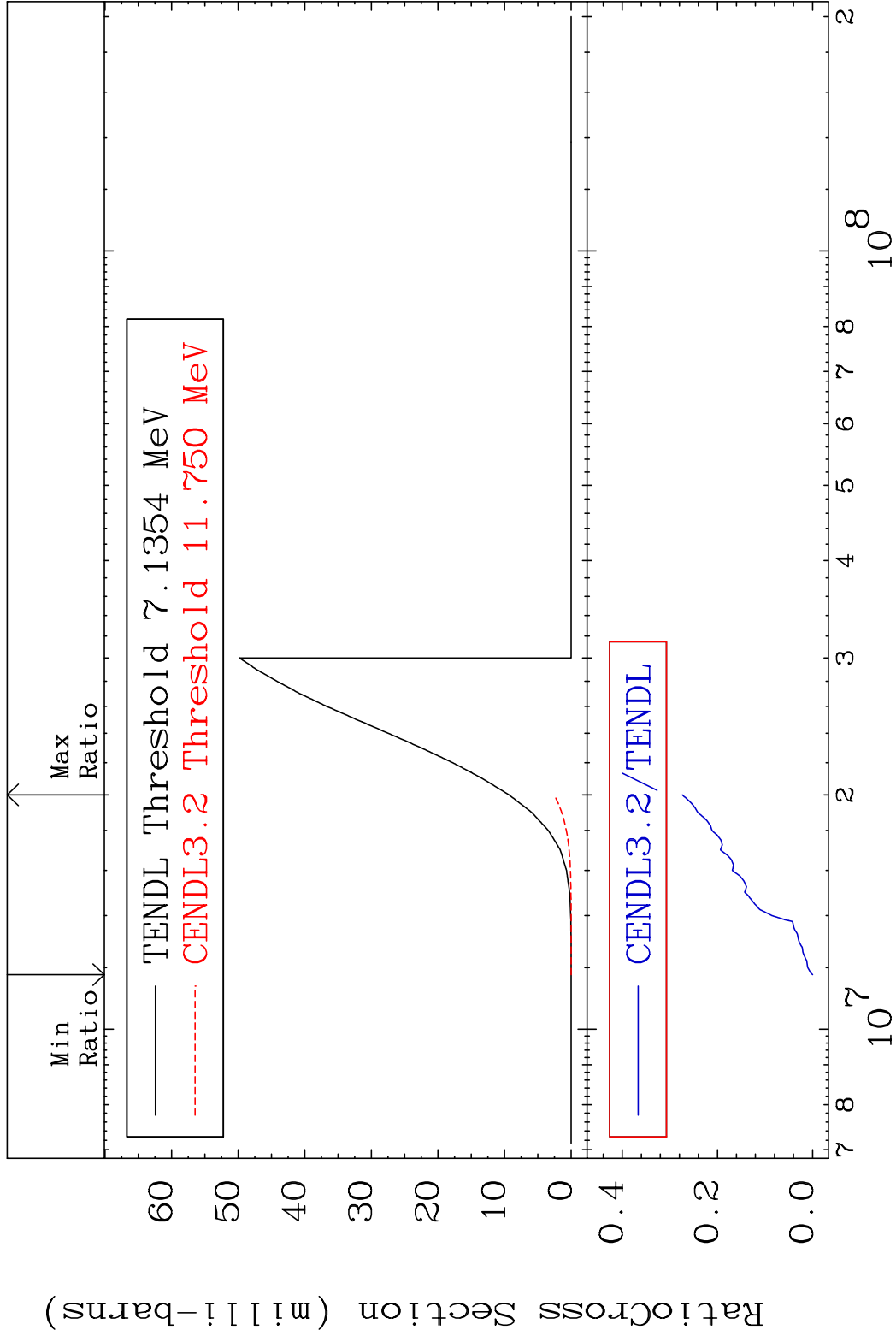
74-W -182

MAT 7431

(n, n') p

74-W -182

Cross Section -100.0 To -72.63%

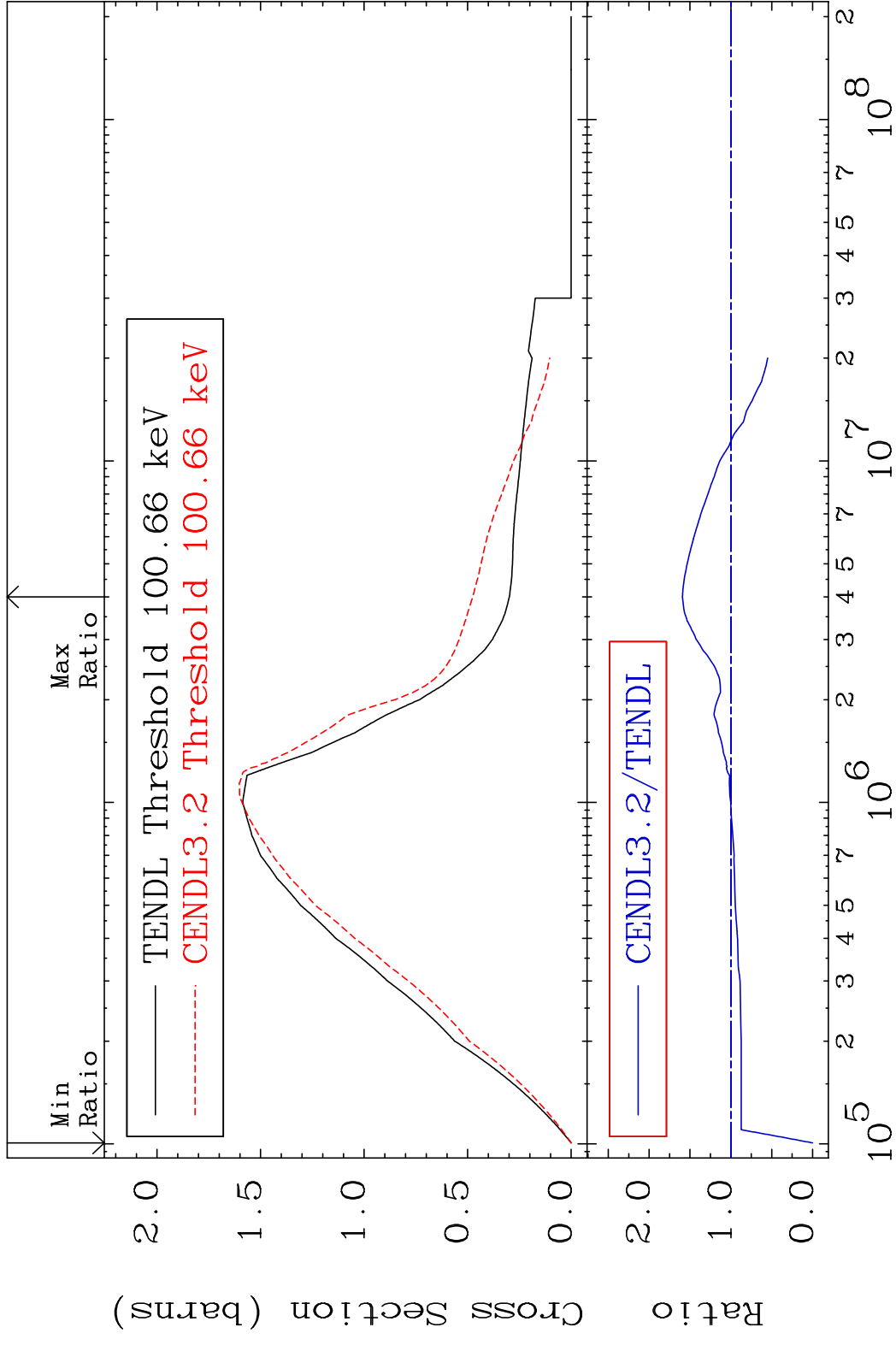


7

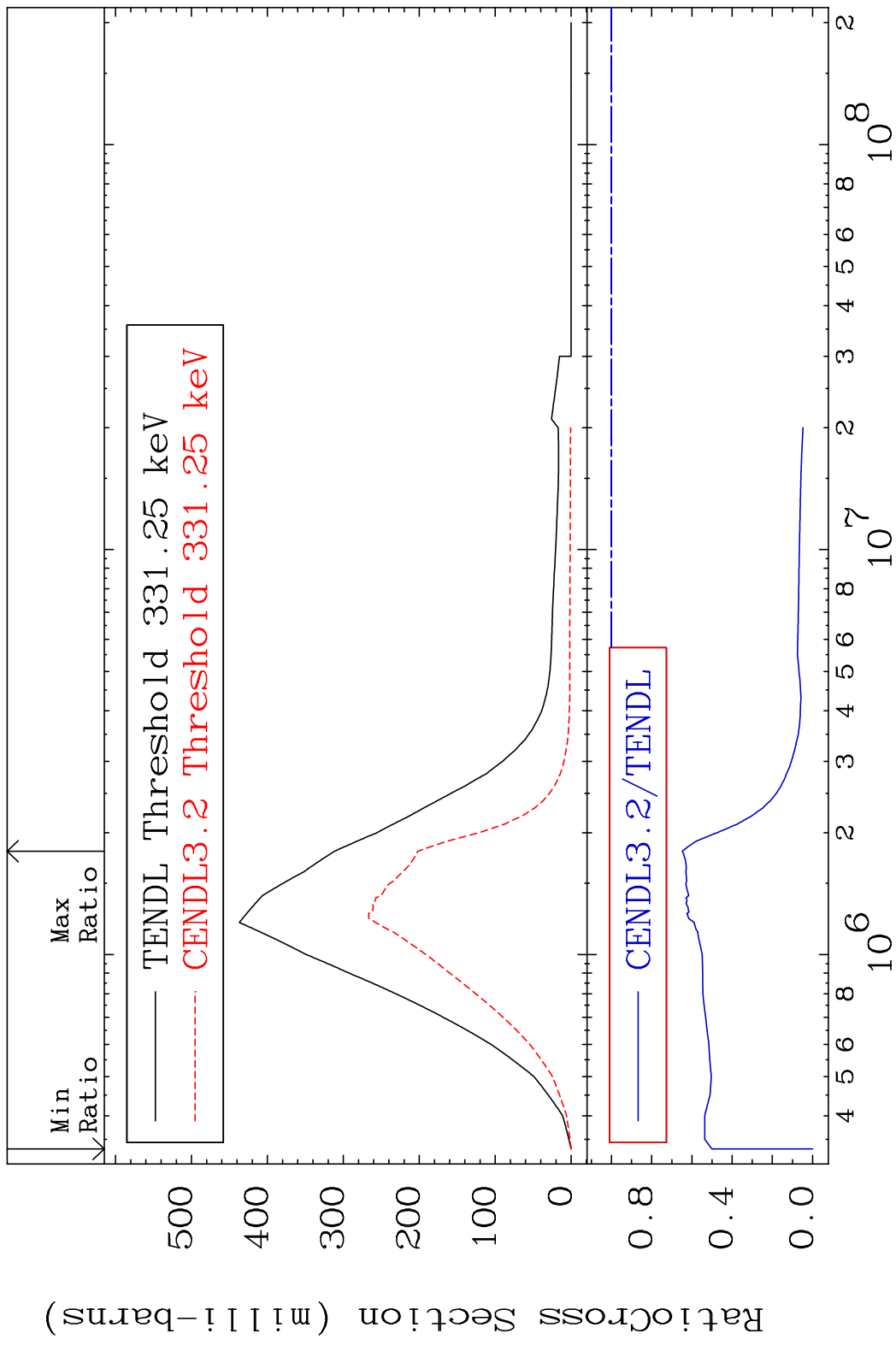
Incident Energy (eV)

74-W -182

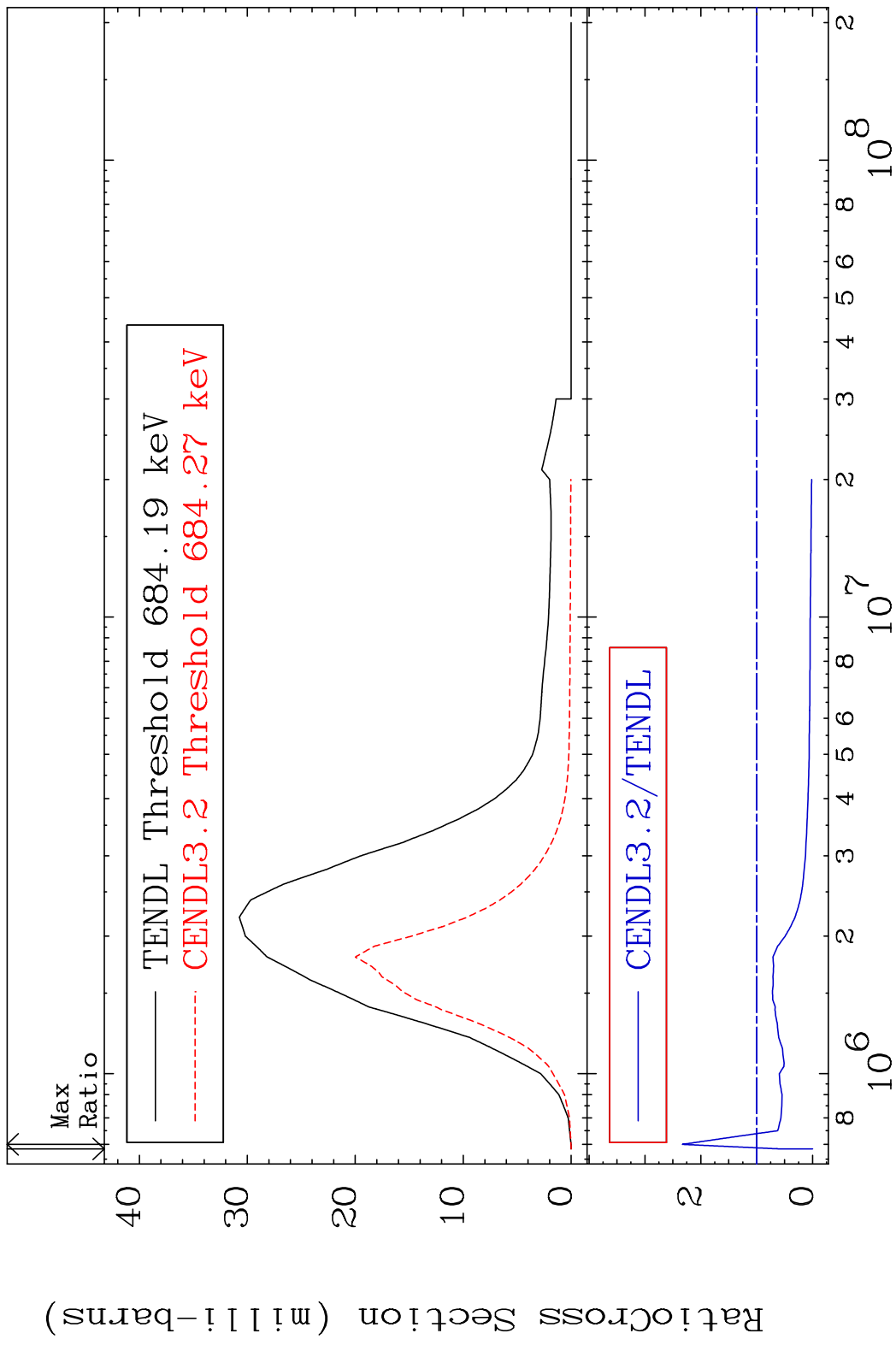
MAT 7431 MT= 51 (n, n') Level 74-W -182
 Cross Section -100.0 To 59.38 %



MAT 7431 MT= 52 (n,n') Level 74-W -182
 Cross Section -100.0 To -35.24%

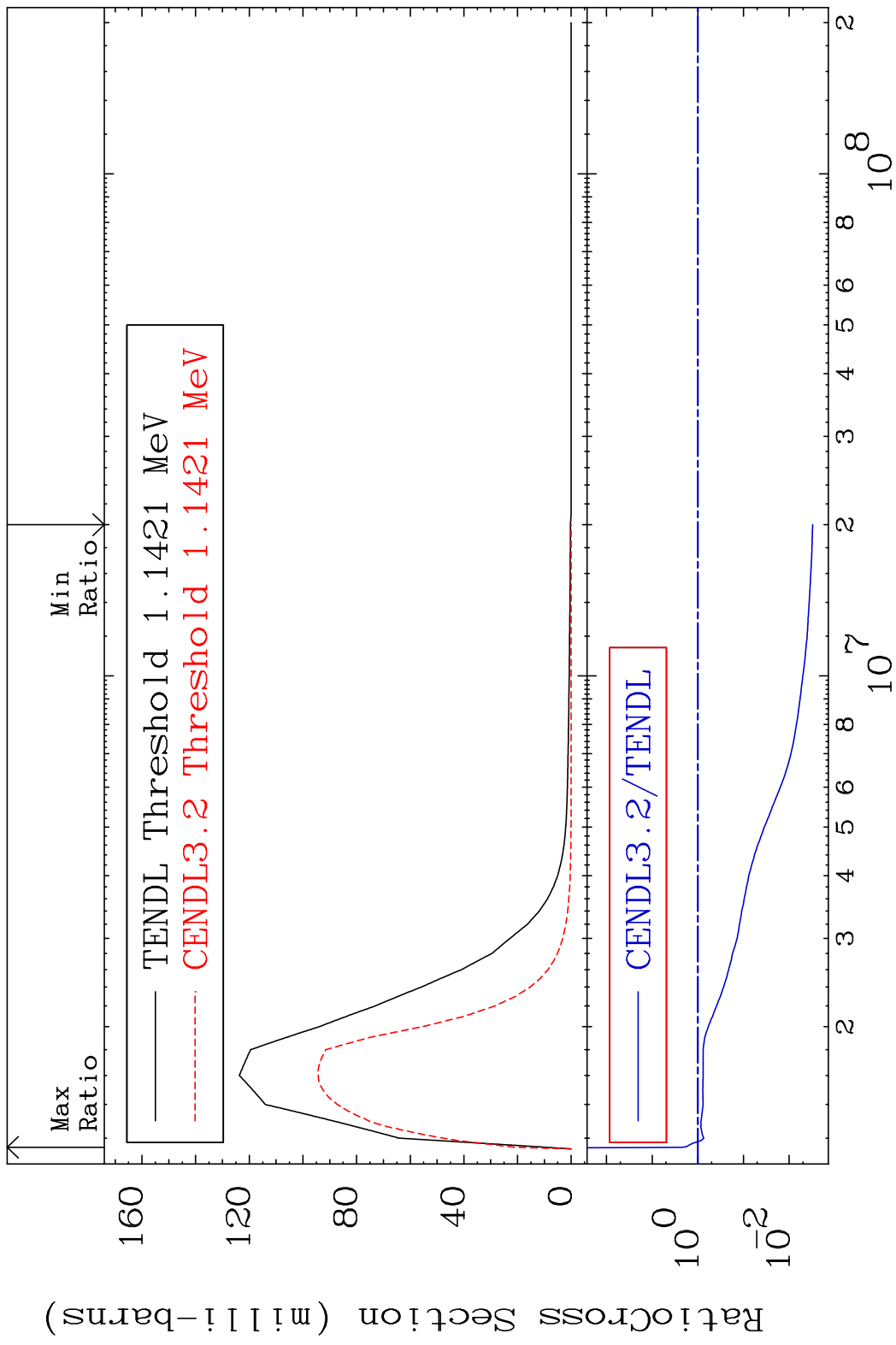


MAT 7431 MT= 53 (n,n') Level 74-W -182
 Cross Section -100.0 To 133.0 %

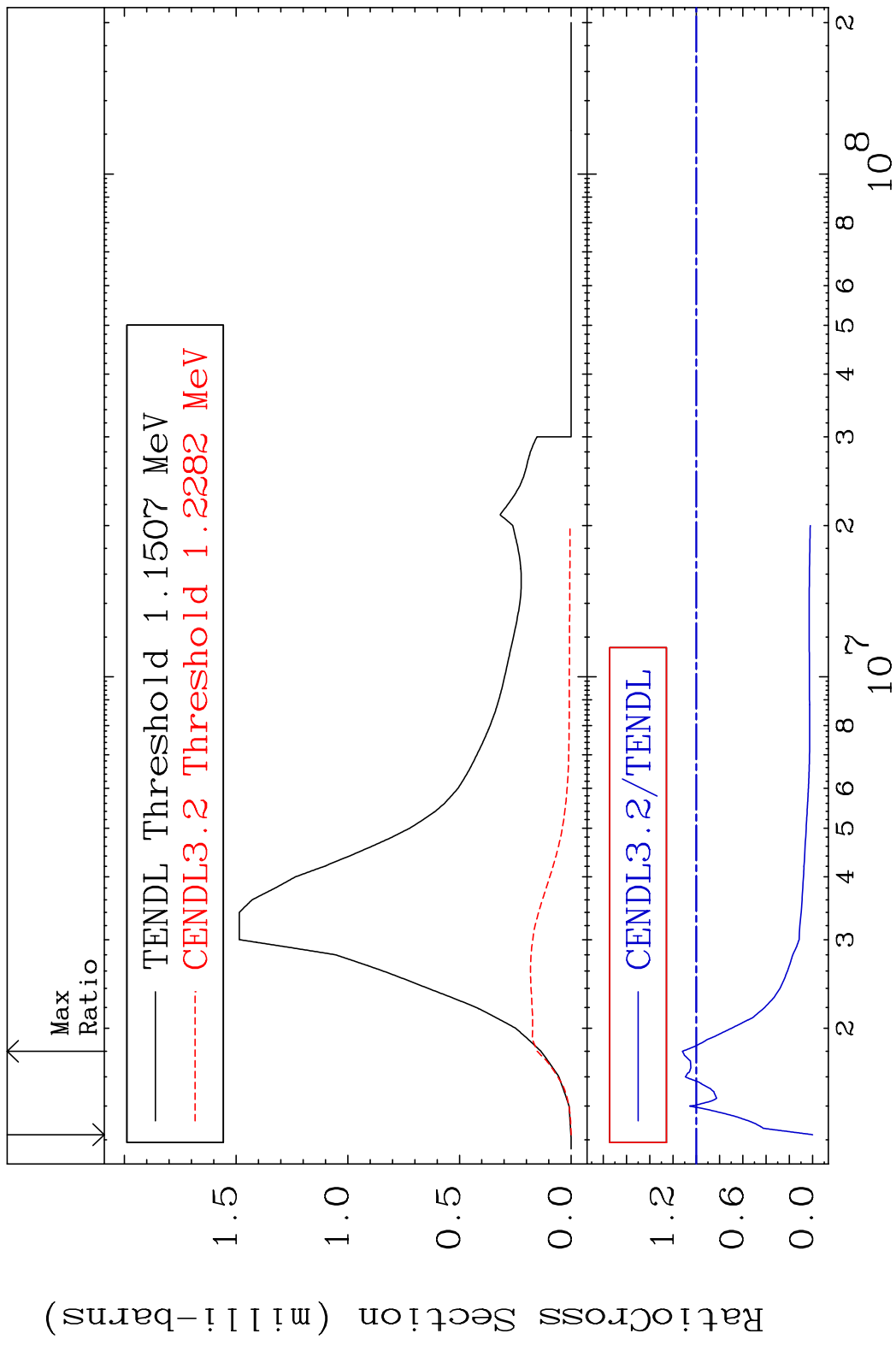


10 Incident Energy (eV) 74-W -182

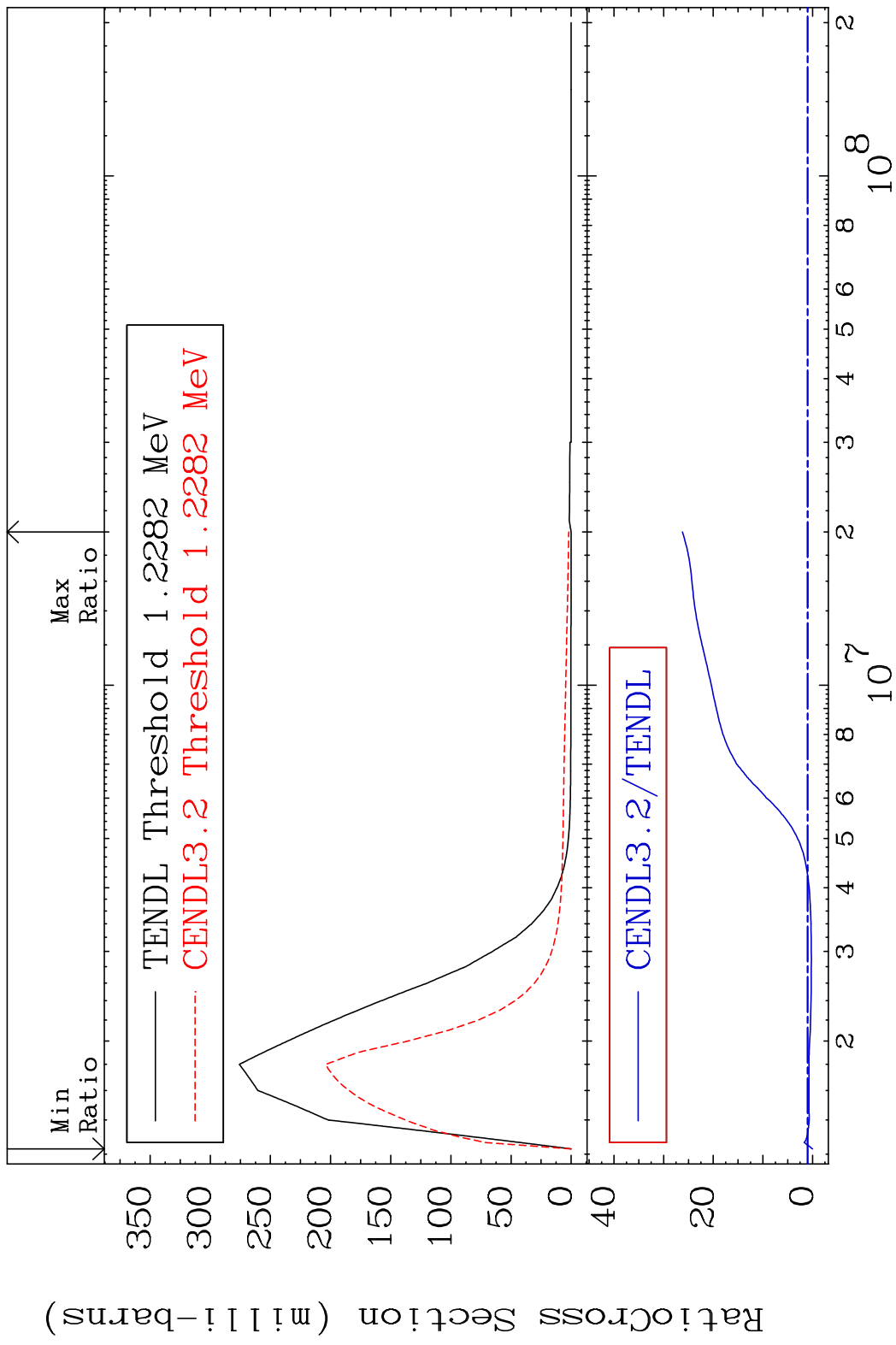
MAT 7431 MT= 54 (n, n') Level 74-W -182
 Cross Section -99.69 To 118.4 %



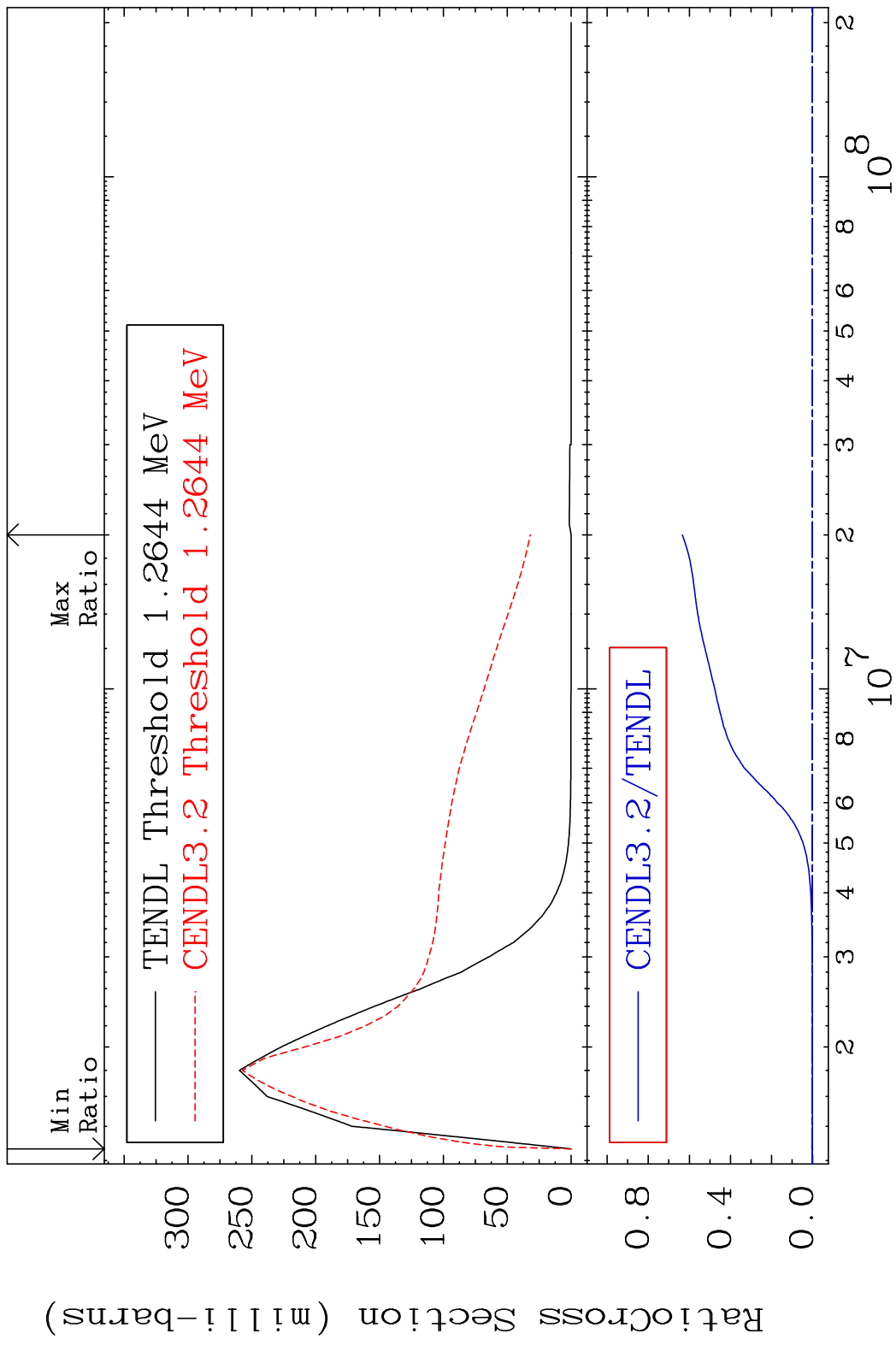
MAT 7431 MT= 55 (n,n') Level 74-W -182
 Cross Section -100.0 To 11.99 %



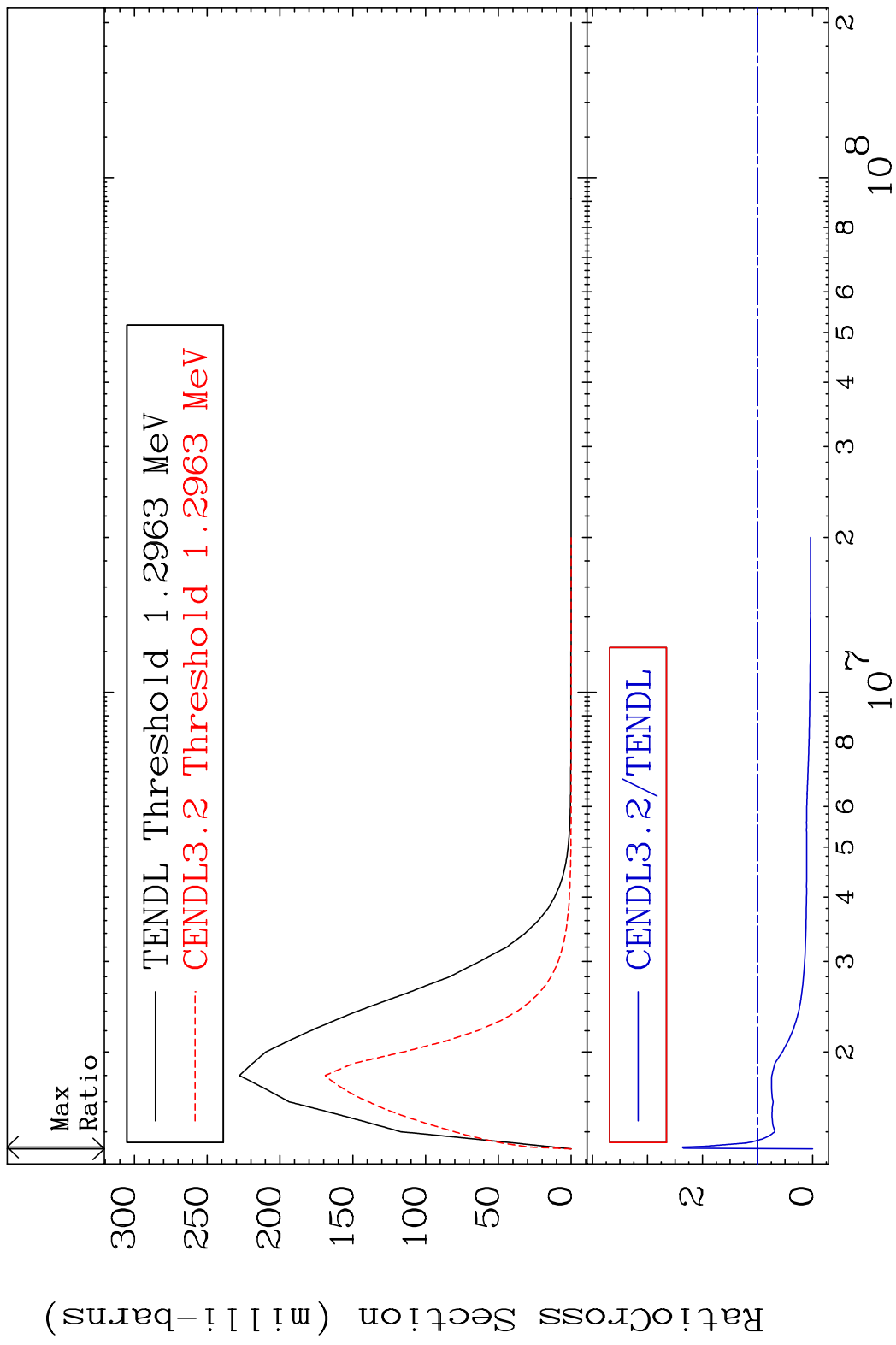
MAT 7431 MT= 56 (n, n') Level 74-W -182
 Cross Section -100.0 To 2523. %



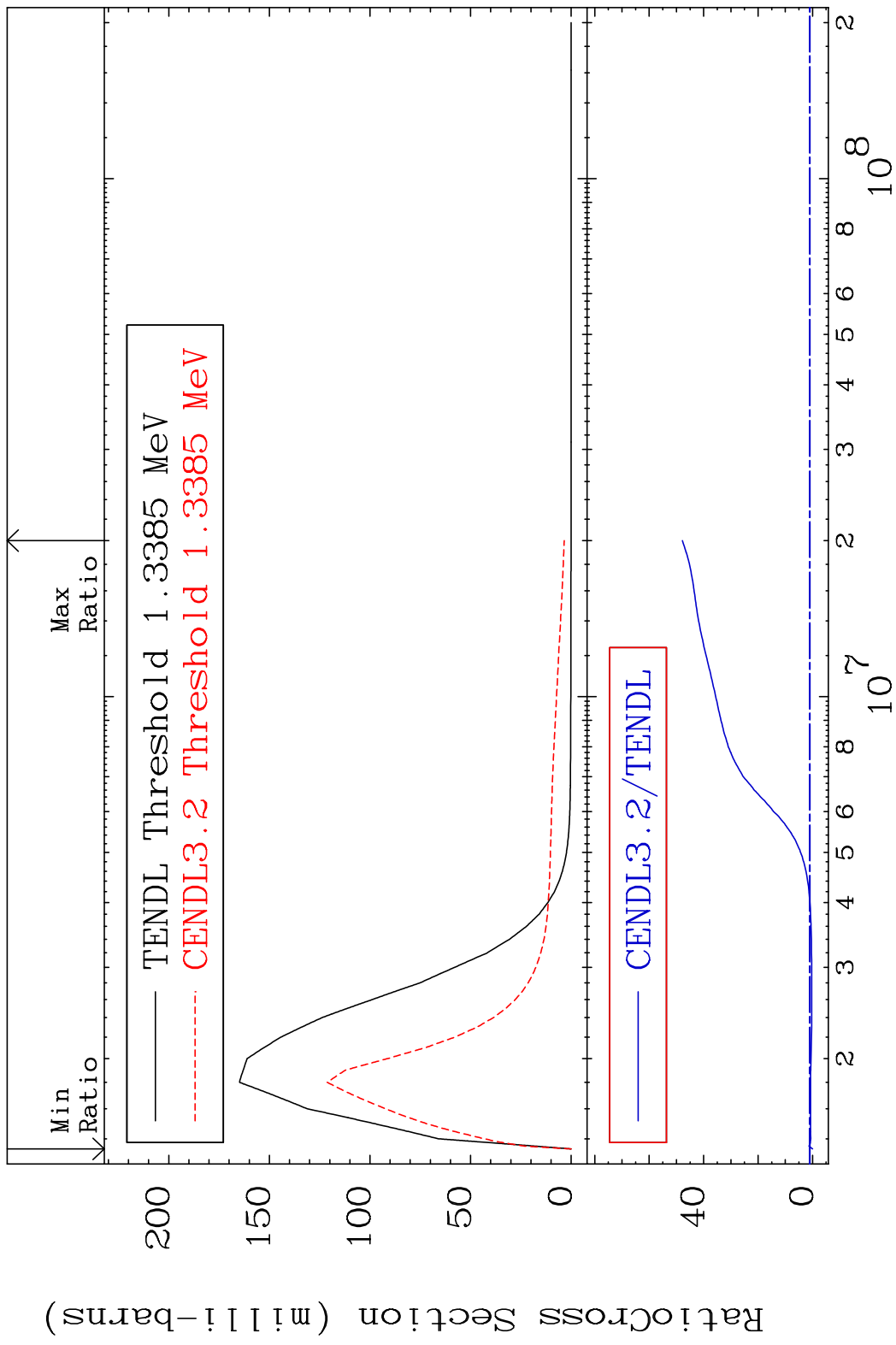
MAT 7431 MT= 57 (n, n') Level 74-W -182
 Cross Section -100.0 To 9999. %



MAT 7431 MT= 58 (n, n') Level 74-W -182
 Cross Section -100.0 To 136.7 %

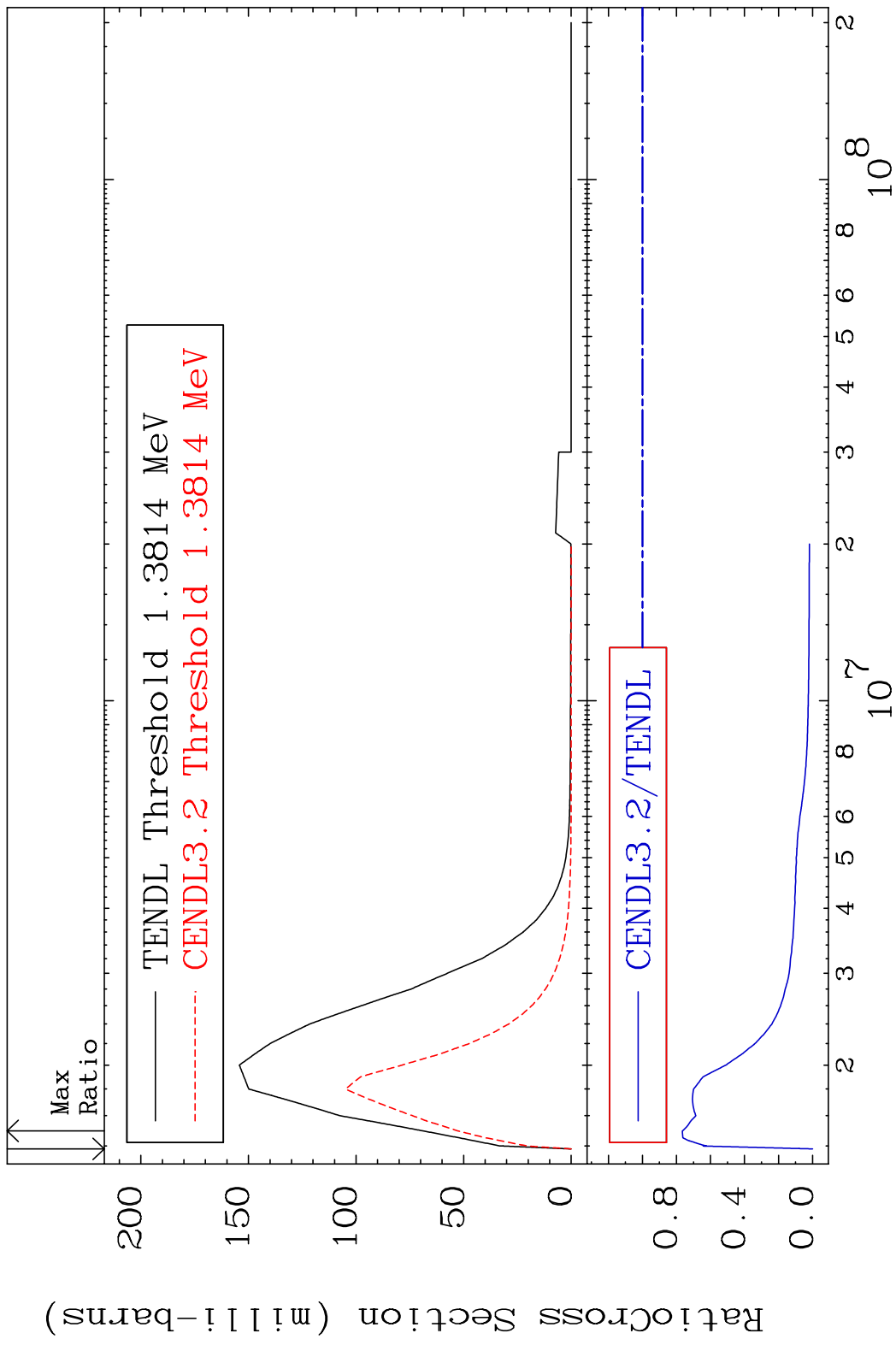


MAT 7431 MT= 59 (n, n') Level 74-W -182
 Cross Section -100.0 To 4682. %



16 Incident Energy (eV) 74-W -182

MAT 7431 MT= 60 (n,n') Level 74-W -182
 Cross Section -100.0 To -23.46%

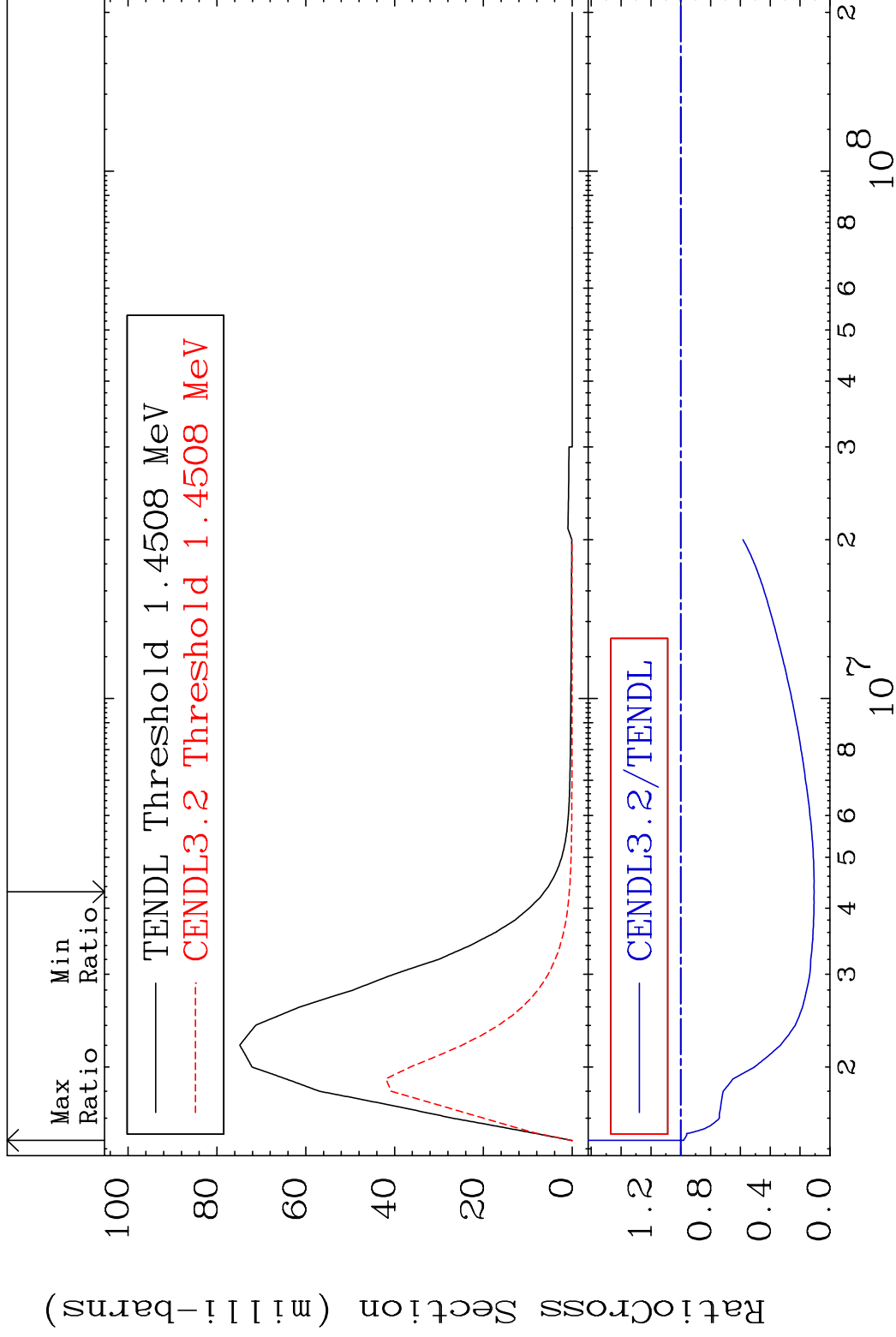


MAT 7431

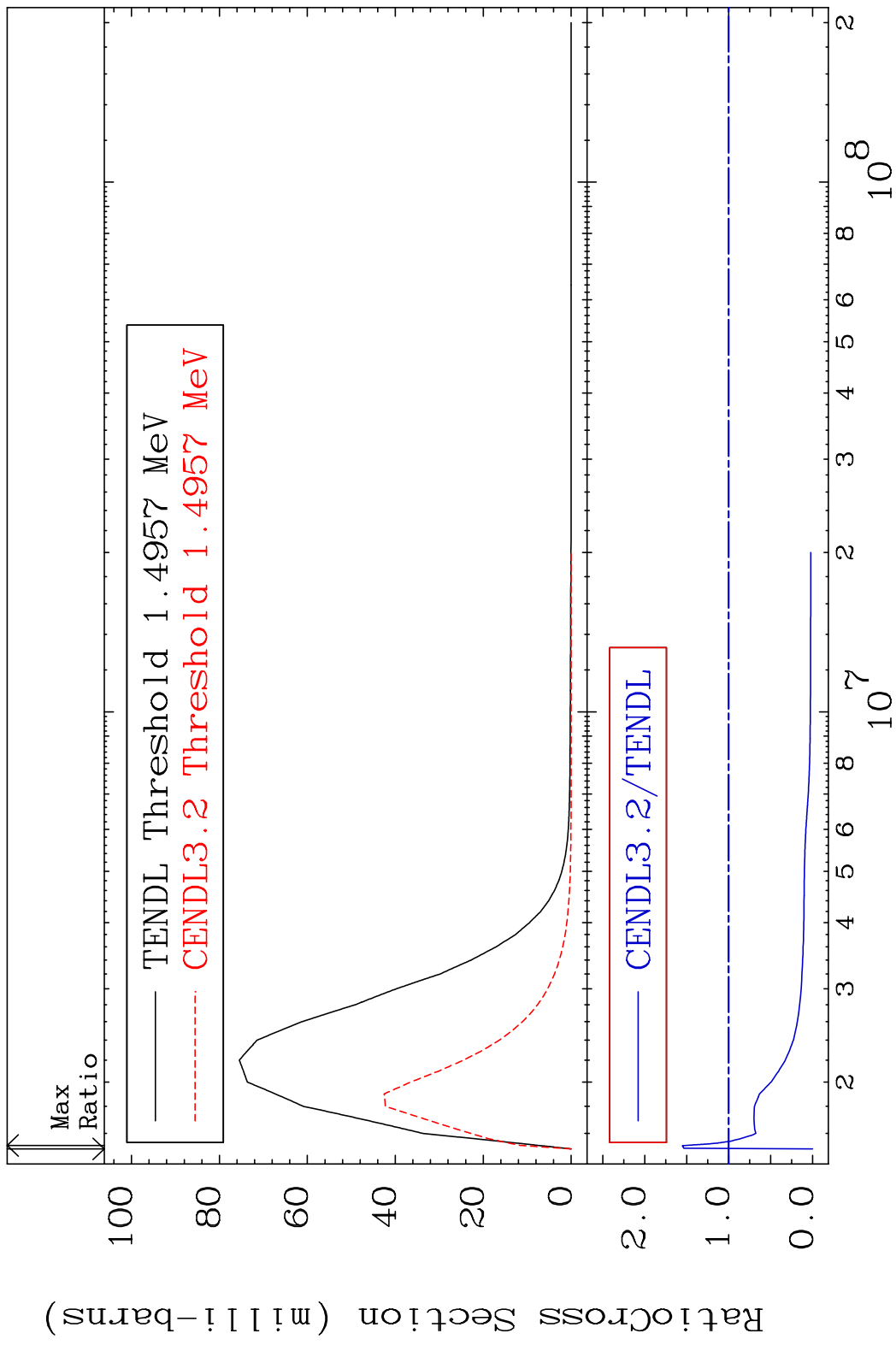
MT= 61 (n, n') Level

74-W -182

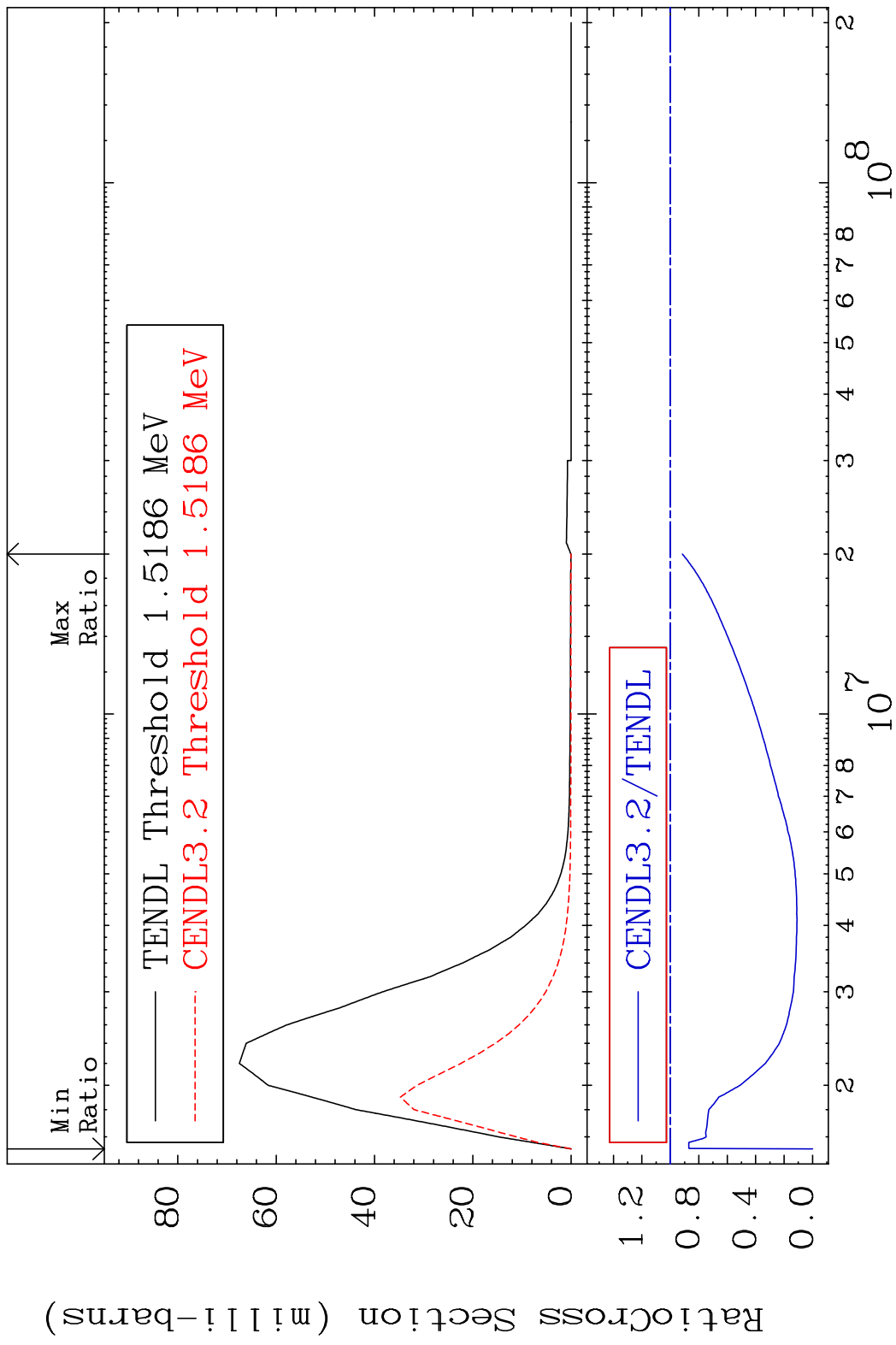
Cross Section -89.39 To -1.948%



MAT 7431 MT= 62 (n, n') Level 74-W -182
 Cross Section -100.0 To 55.15 %

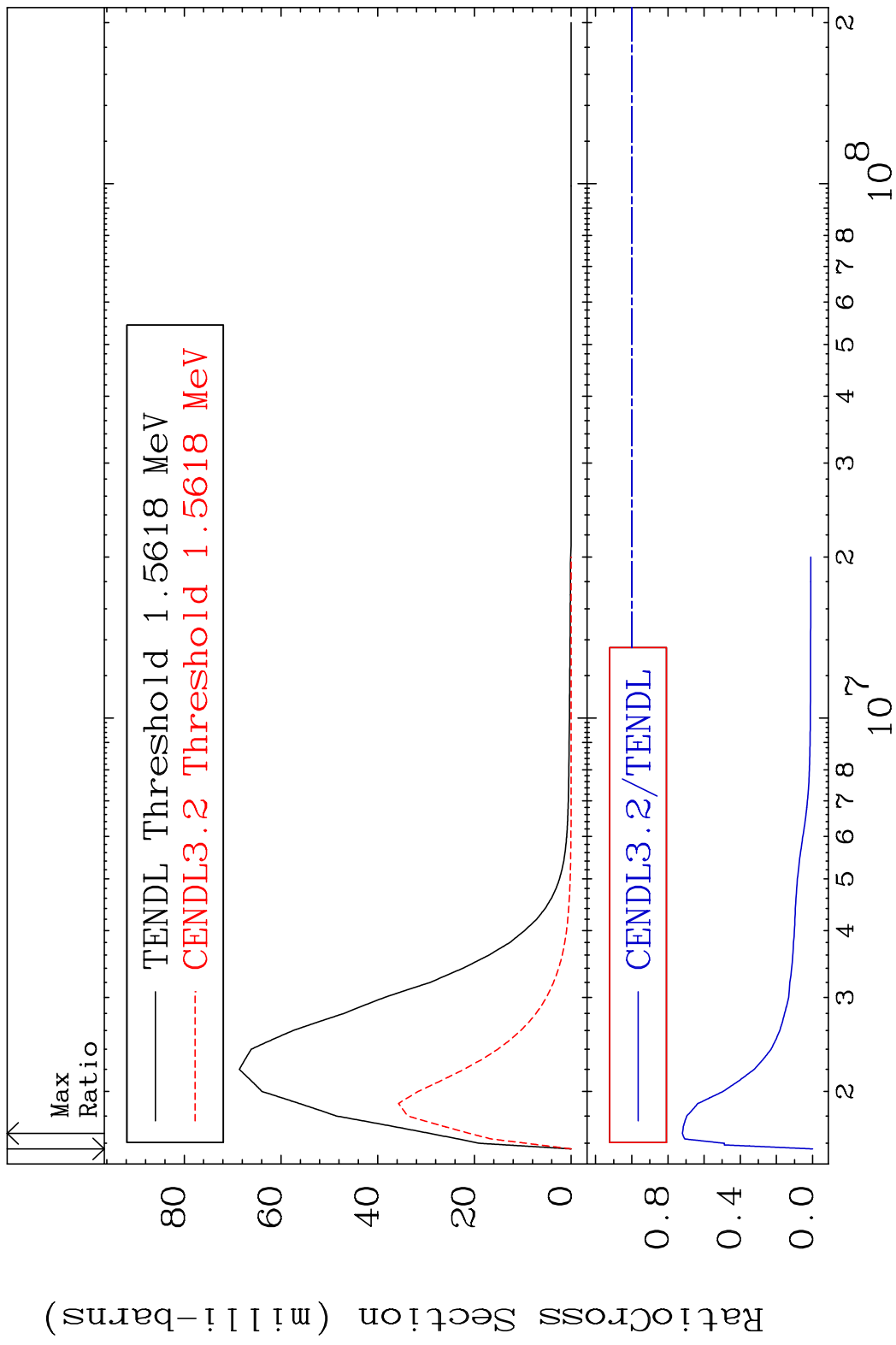


MAT 7431 MT= 63 (n, n') Level 74-W -182
 Cross Section -100.0 To -8.447%

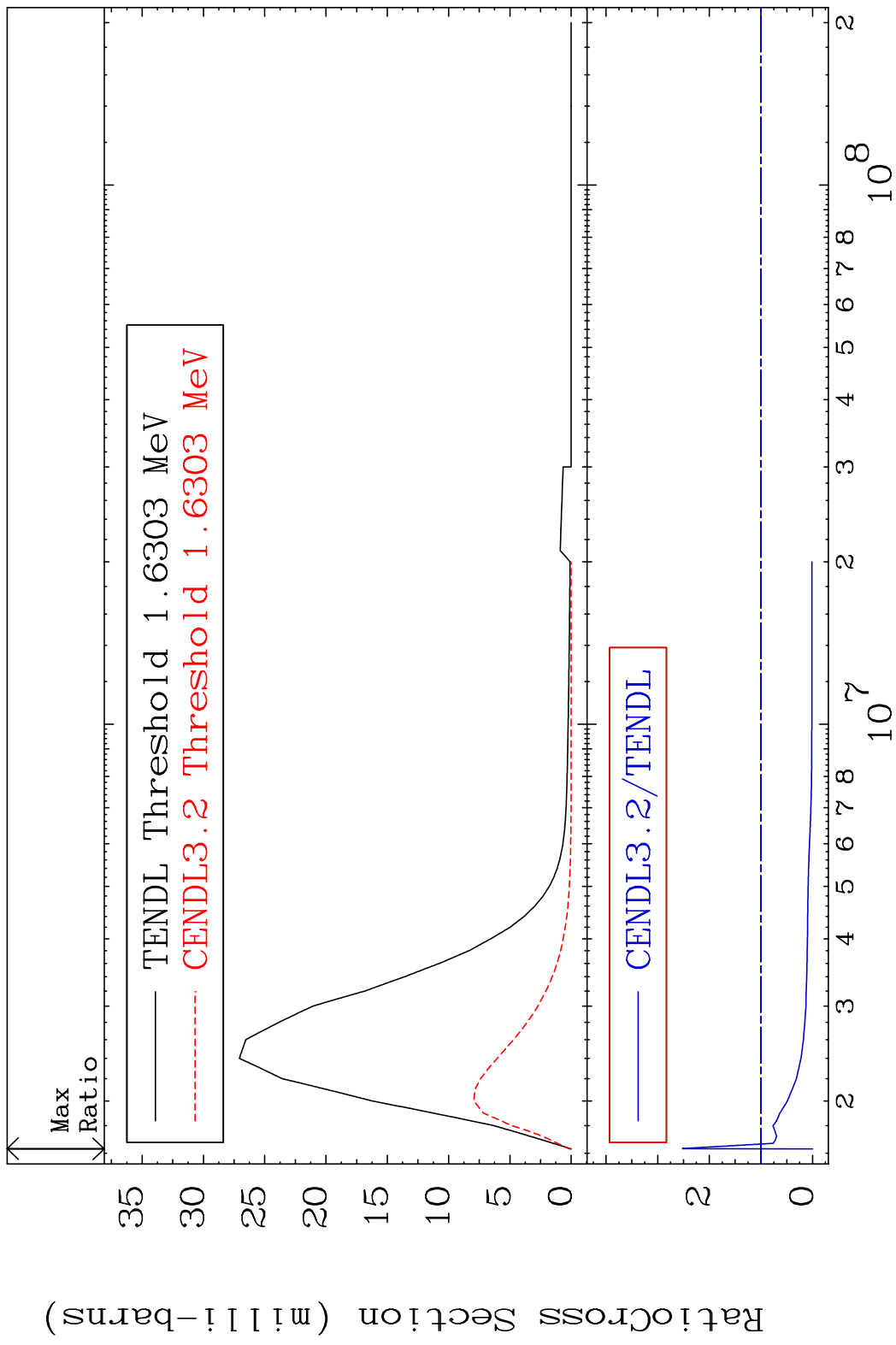


20 Incident Energy (eV) 74-W -182

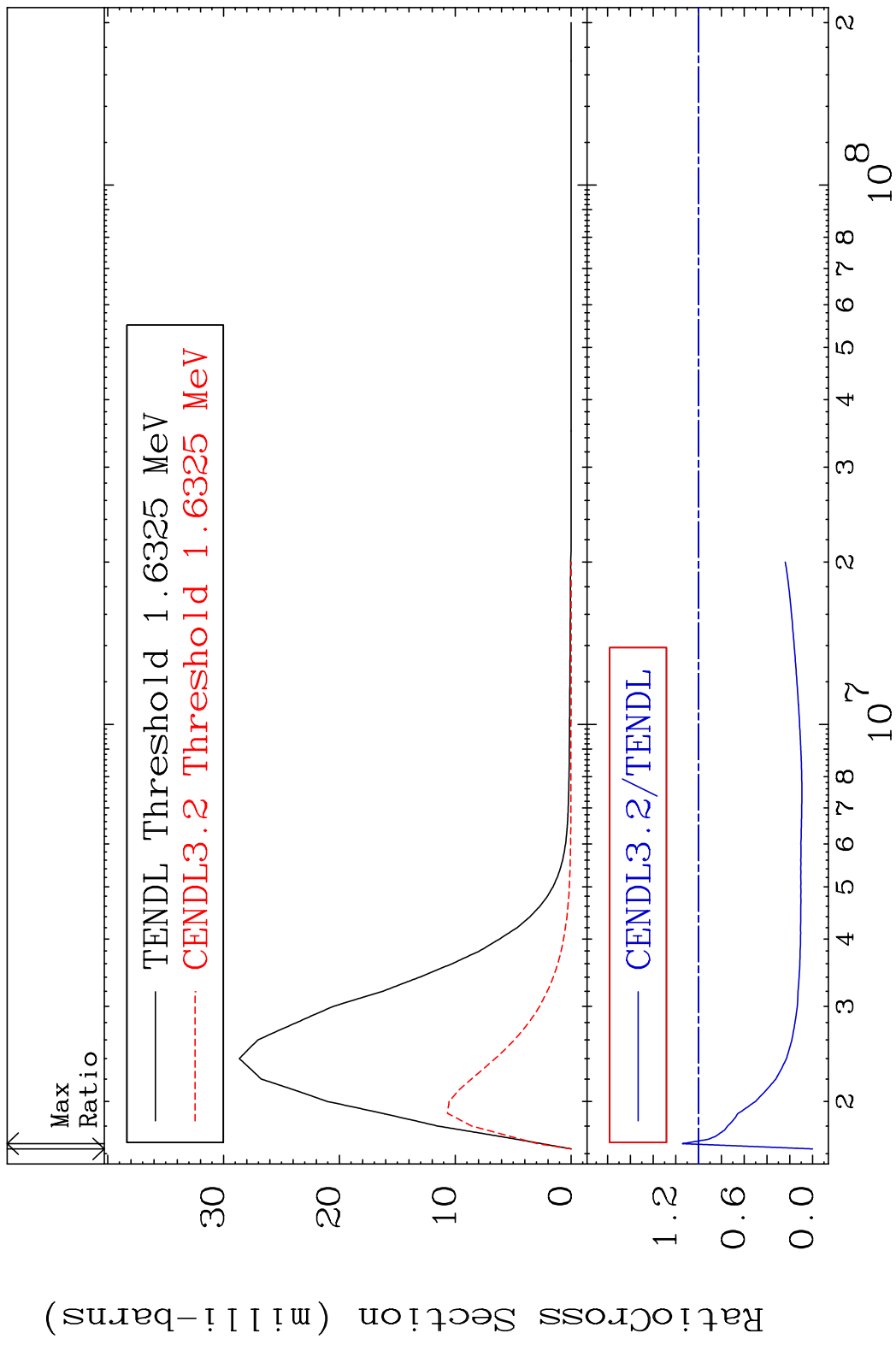
MAT 7431 MT= 64 (n, n') Level 74-W -182
 Cross Section -100.0 To -27.98%



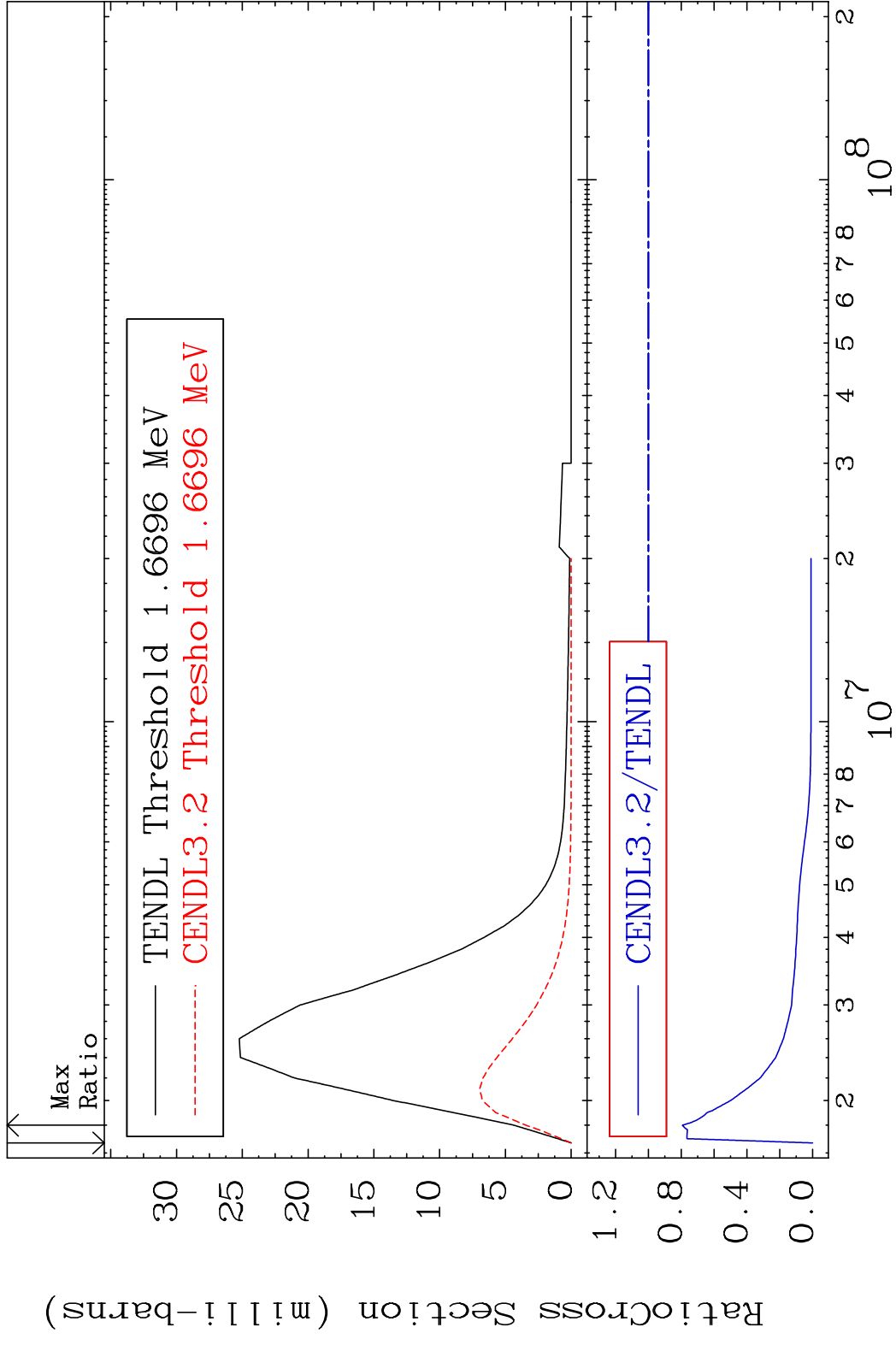
MAT 7431 MT= 65 (n,n') Level 74-W -182
 Cross Section -100.0 To 152.2 %



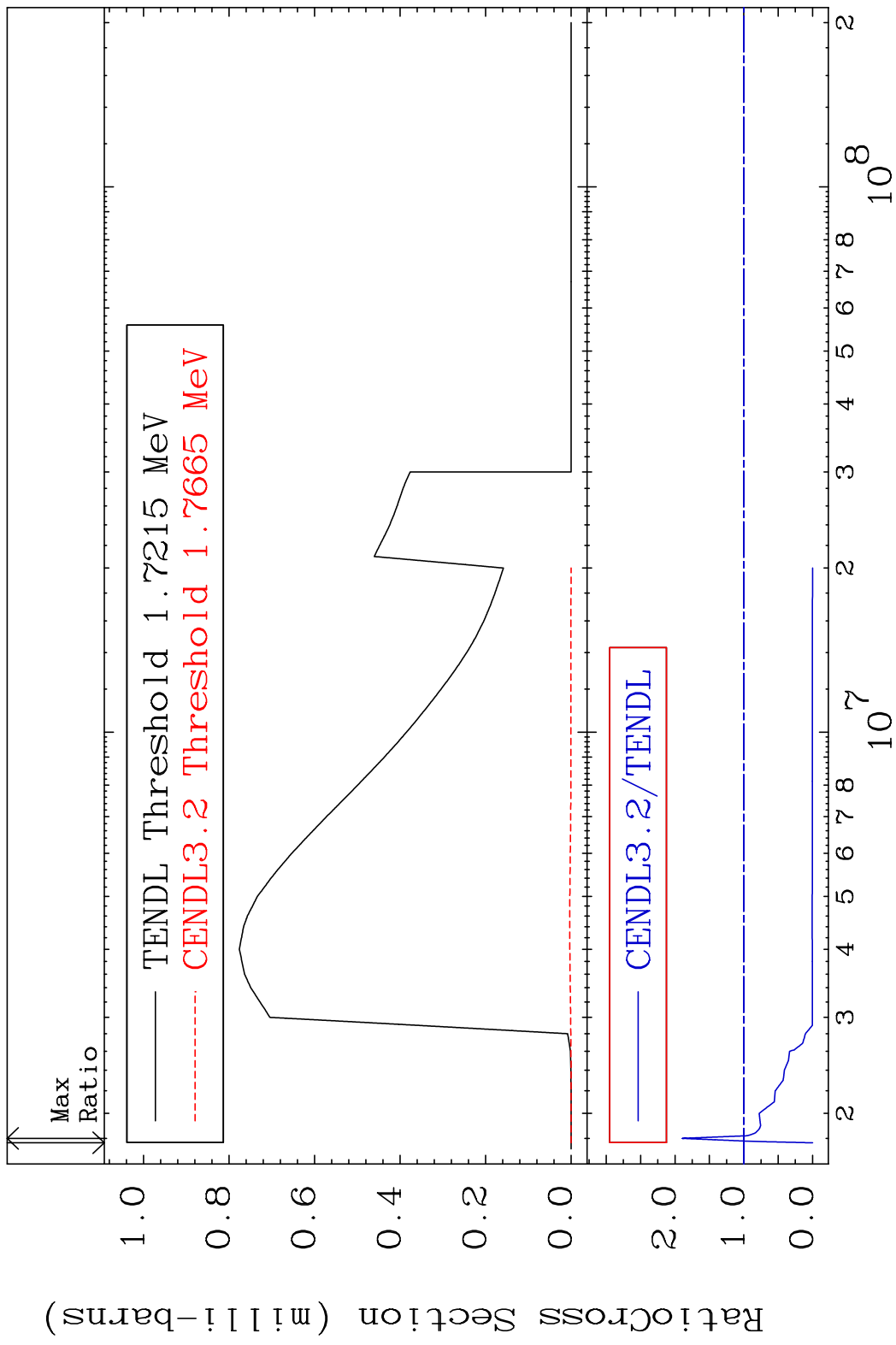
MAT 7431 MT= 66 (n,n') Level 74-W -182
 Cross Section -100.0 To 14.32 %



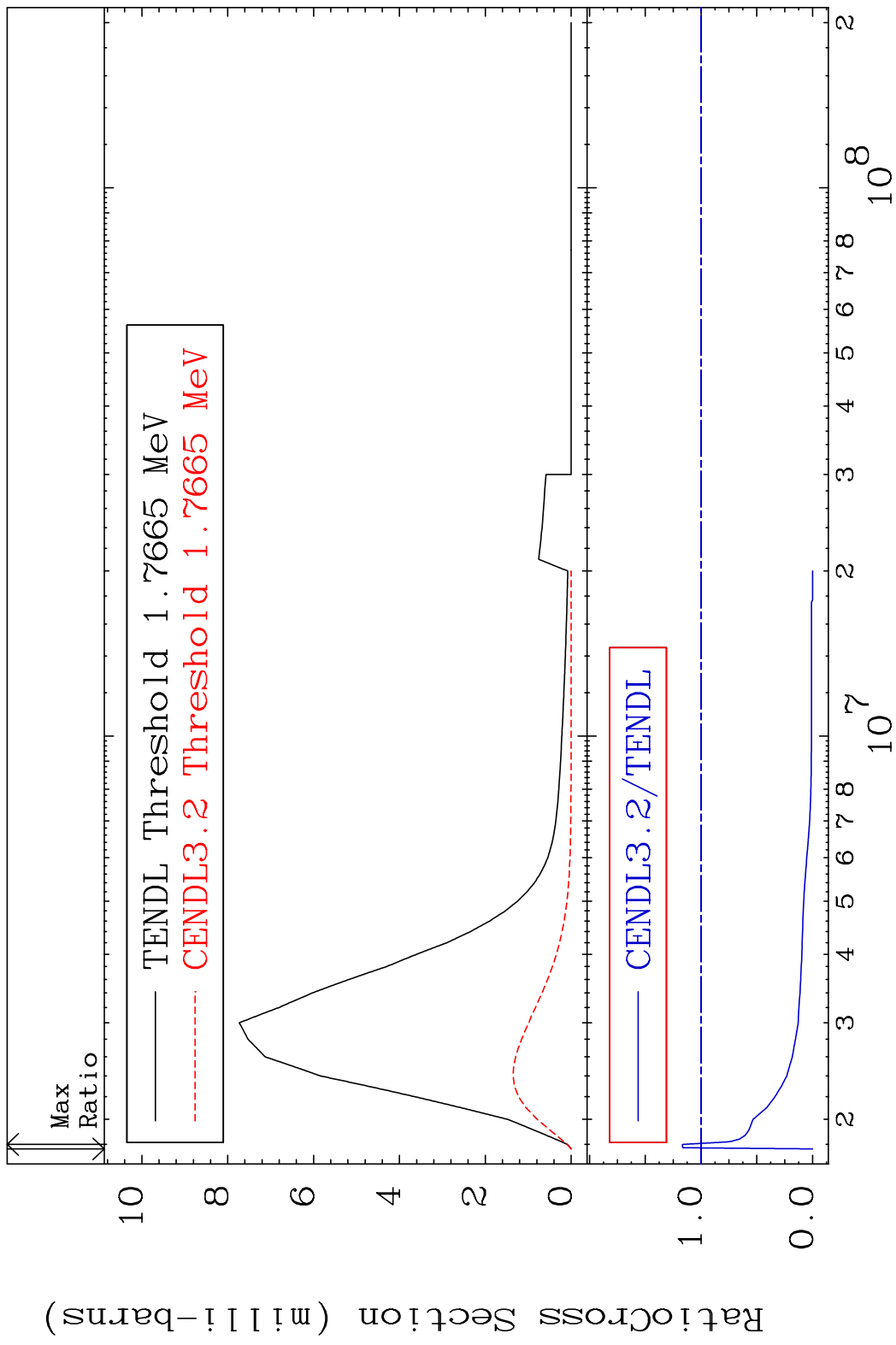
MAT 7431 MT= 67 (n,n') Level 74-W -182
 Cross Section -100.0 To -20.68%



MAT 7431 MT= 68 (n, n') Level 74-W -182
 Cross Section -100.0 To 89.30 %



MAT 7431 MT= 69 (n, n') Level 74-W -182
 Cross Section -100.0 To 16.75 %

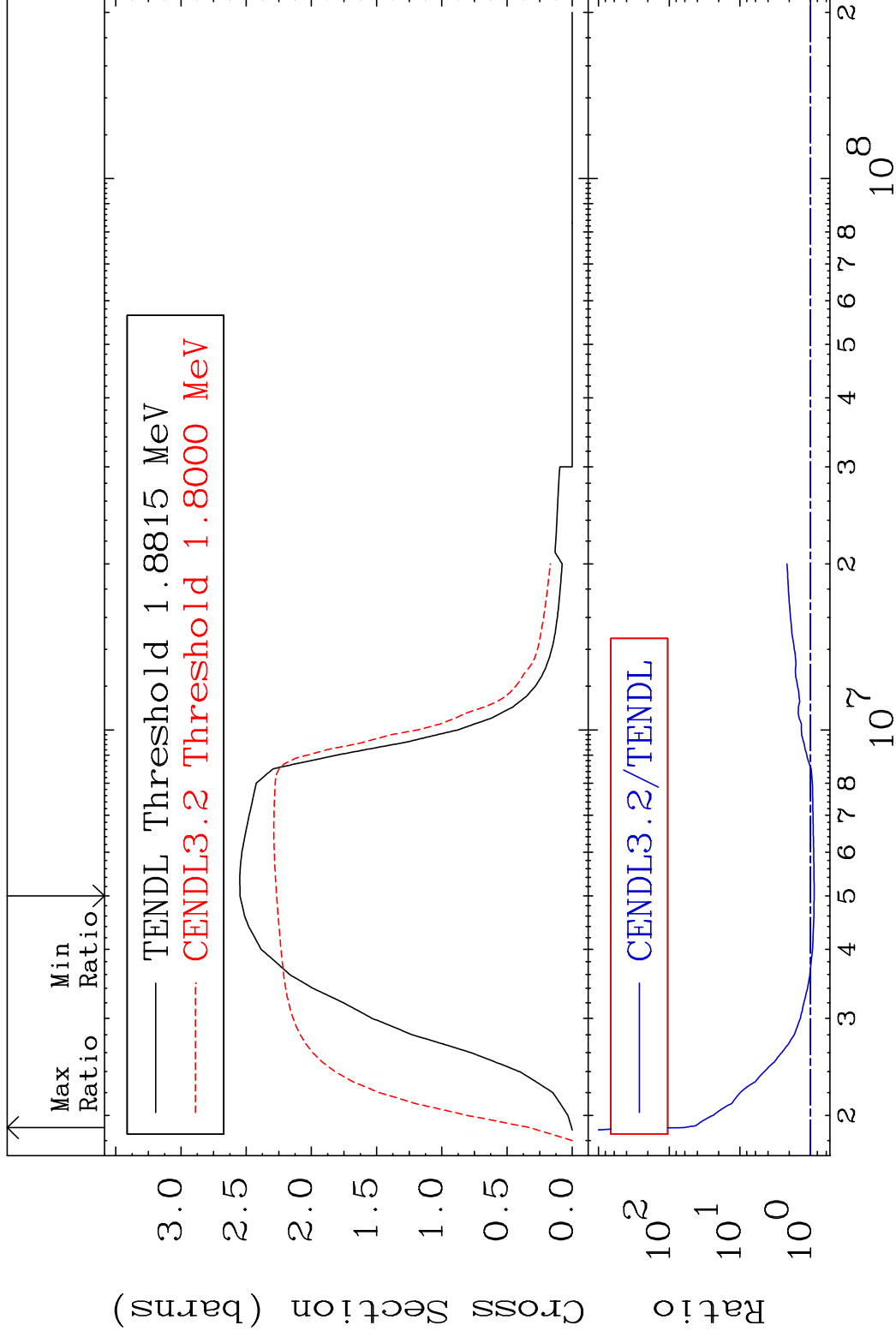


MAT 7431

(n, n') Continuum

74-W -182

Cross Section -11.01 To 6143. %



27

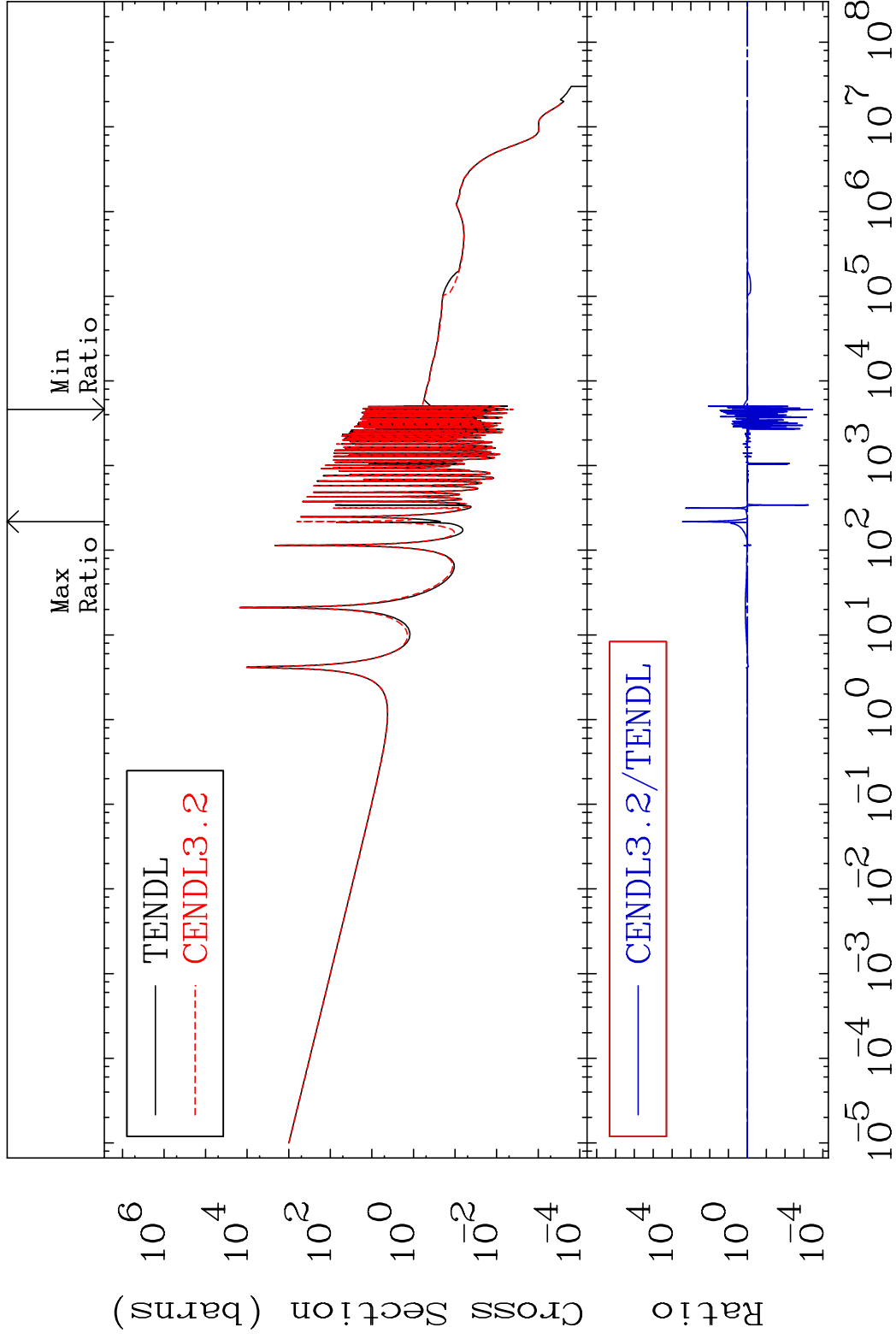
Incident Energy (eV)

74-W -182

MAT 7431

(n, γ)
Cross Section -99.97 To 9999. %

74-W -182



28

Incident Energy (eV)

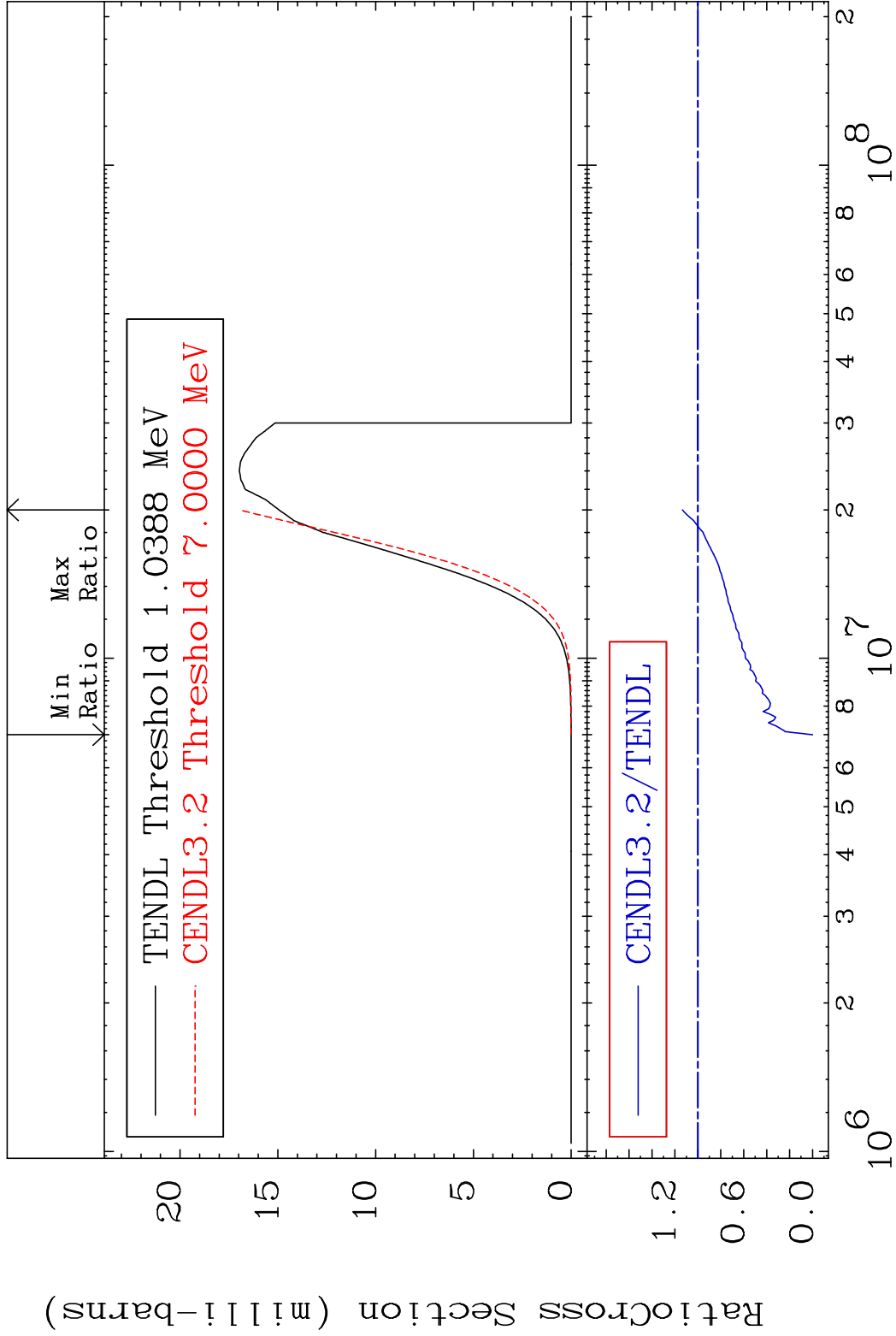
74-W -182

MAT 7431

(n, p)

74-W -182

Cross Section -100.0 To 13.53 %

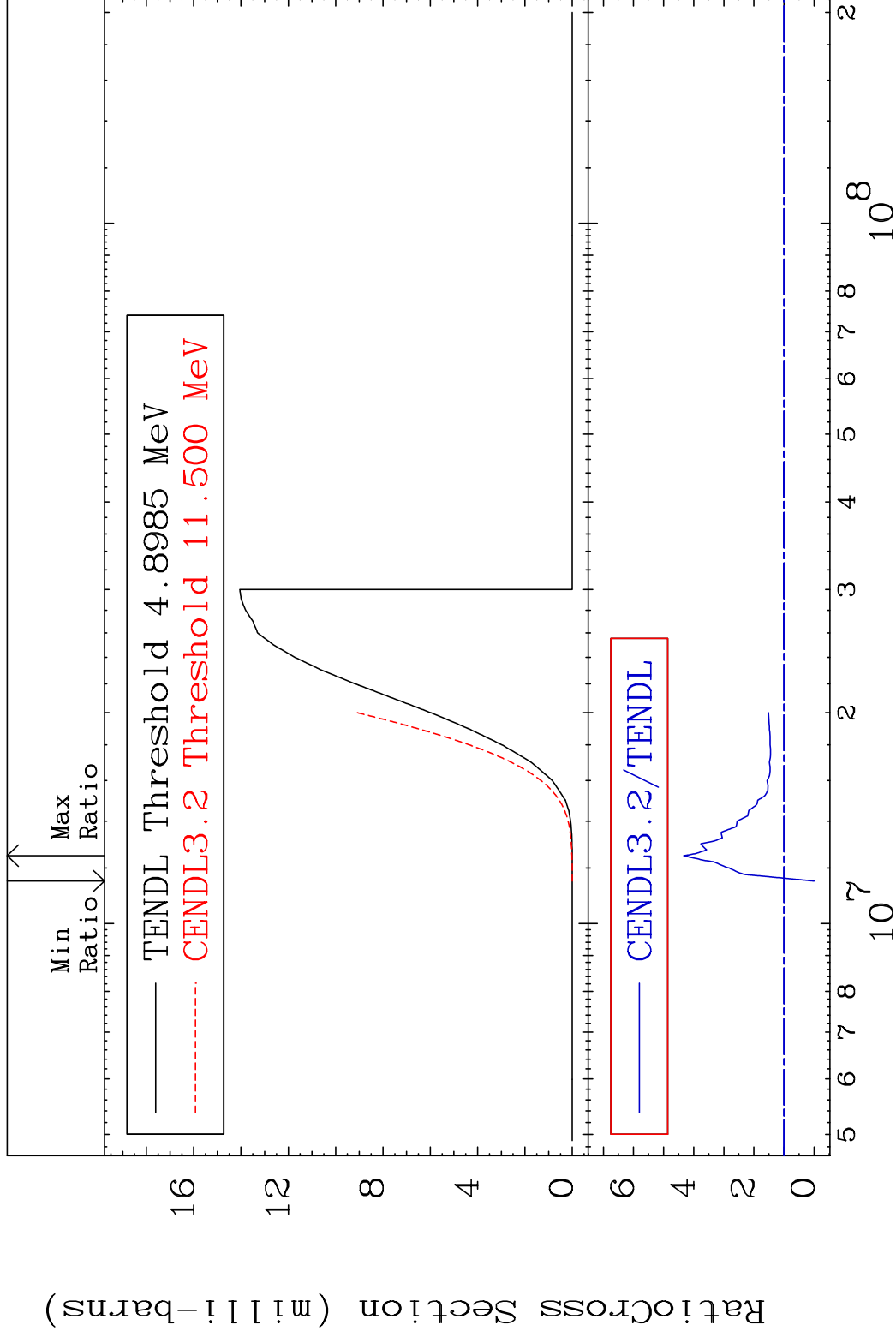


MAT 7431

(n, d)

74-W -182

Cross Section -100.0 To 333.4 %



30

Incident Energy (eV)

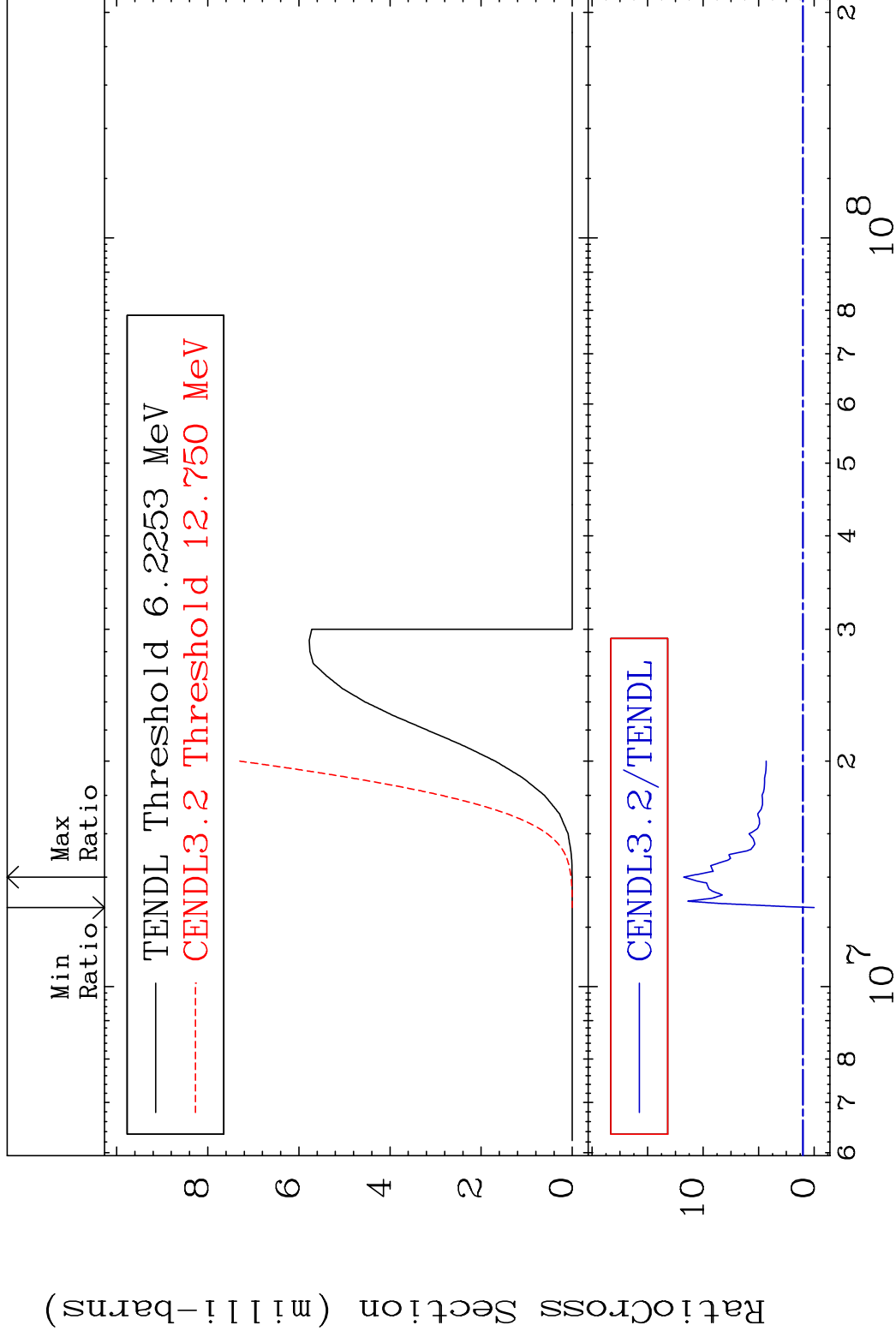
74-W -182

MAT 7431

(n, t)

74-W -182

Cross Section -100.0 To 1076. %



31

Incident Energy (eV)

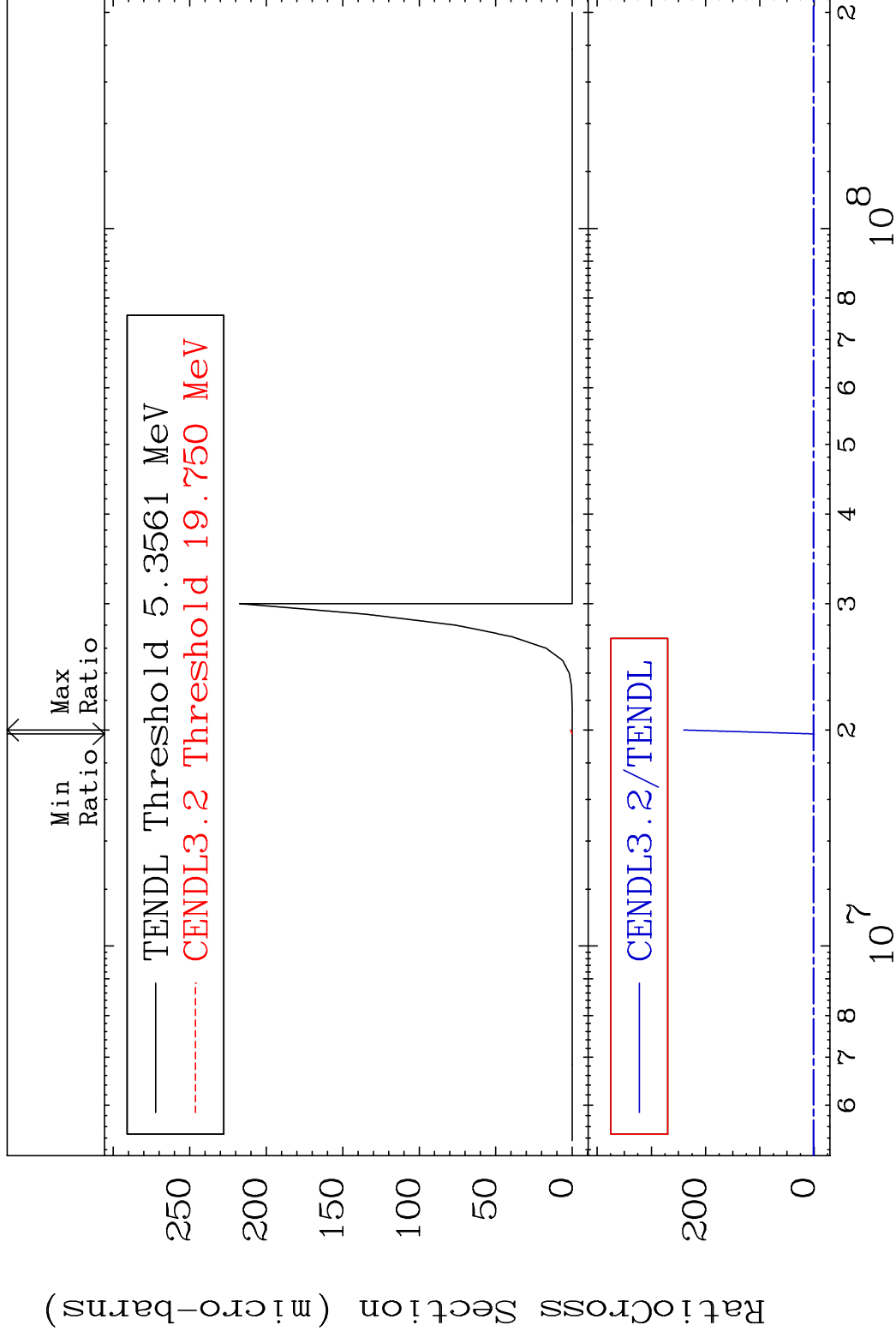
74-W -182

MAT 7431

(n, He-3)

74-W -182

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

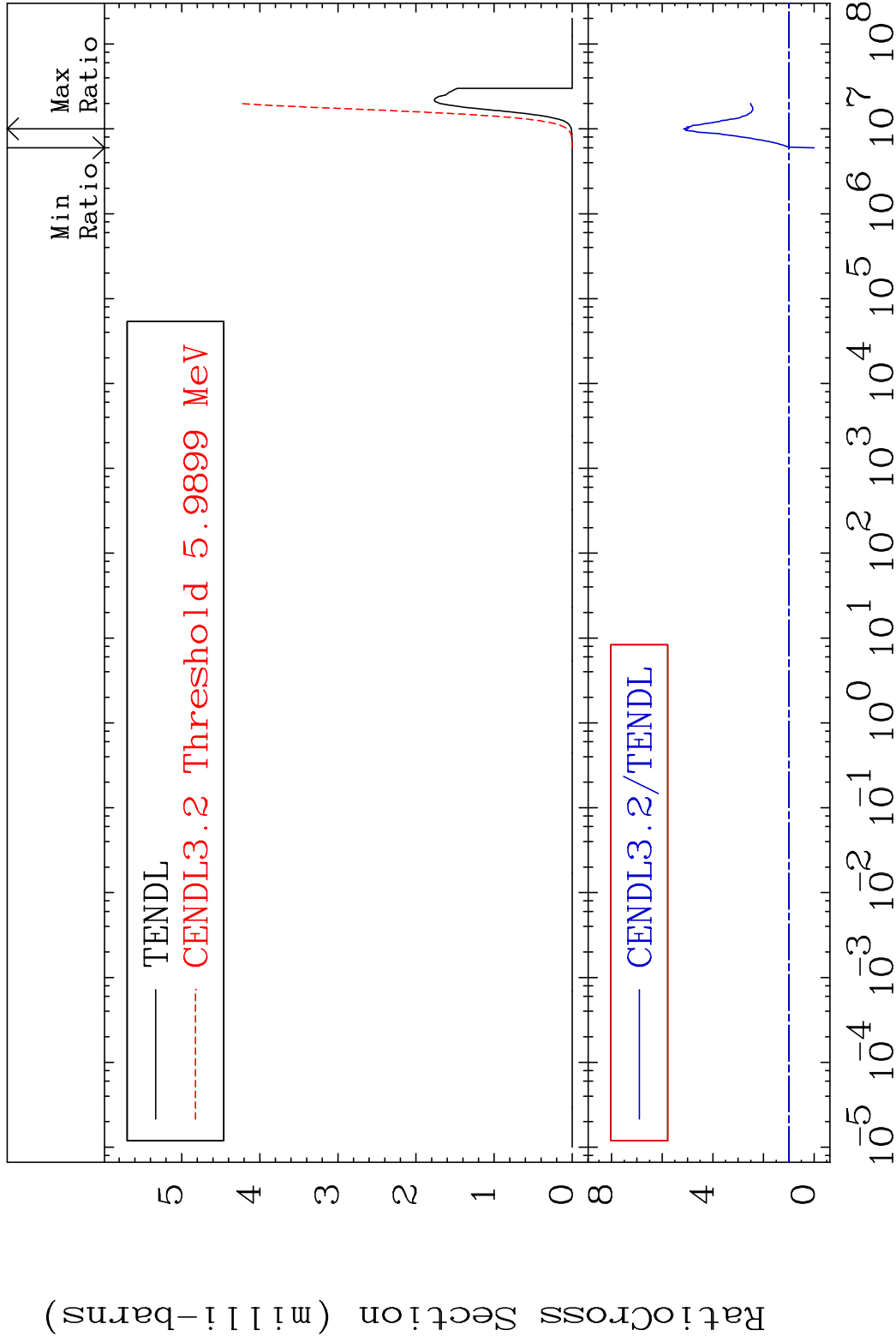
74-W -182

MAT 7431

(n, α)

74-W -182

Cross Section -100.0 To 415.3 %



33

Incident Energy (eV)

74-W -182

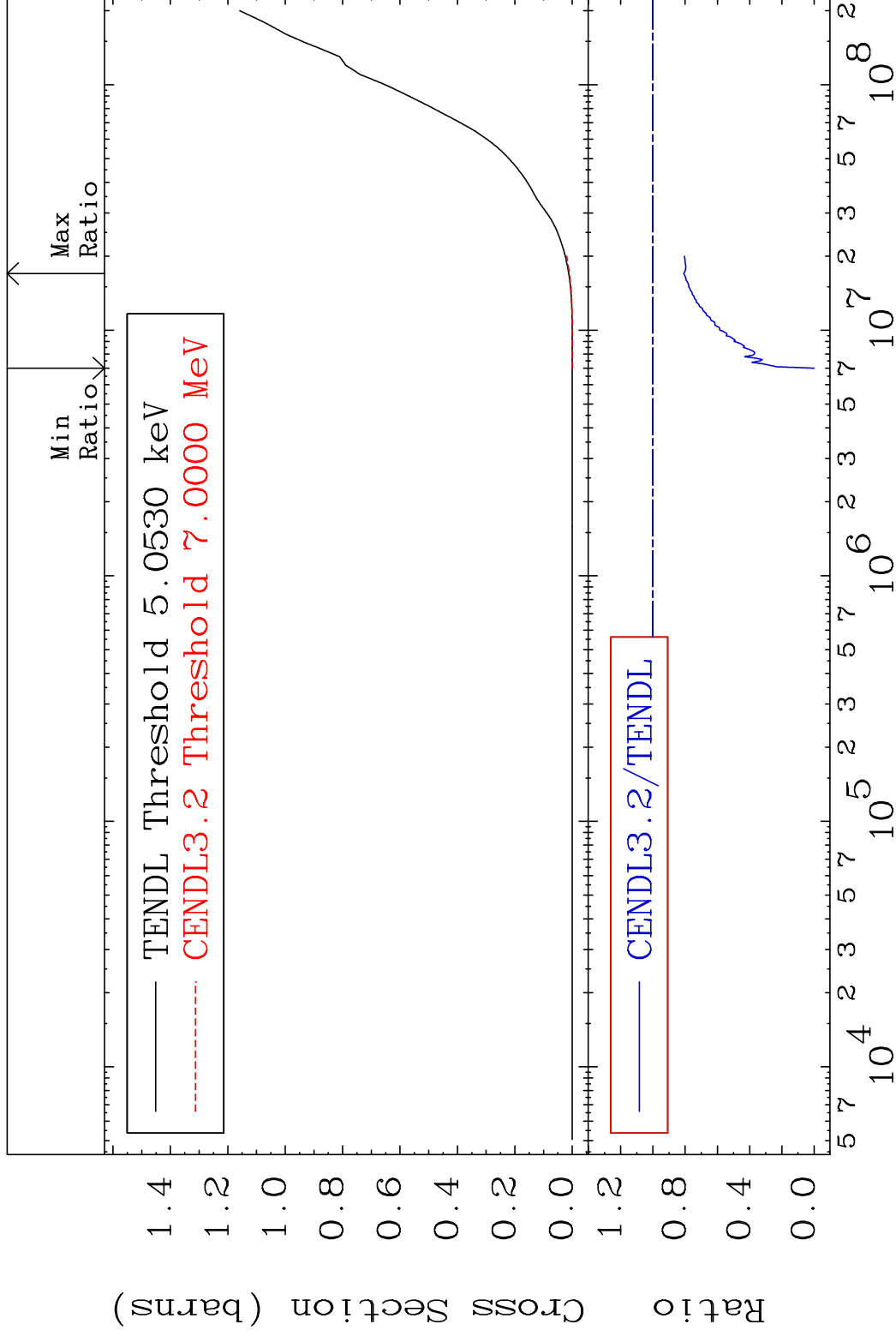
MAT 7431

Hydrogen Production

74-W -182

Cross Section

-100.0 To -19.07%



34

Incident Energy (eV)

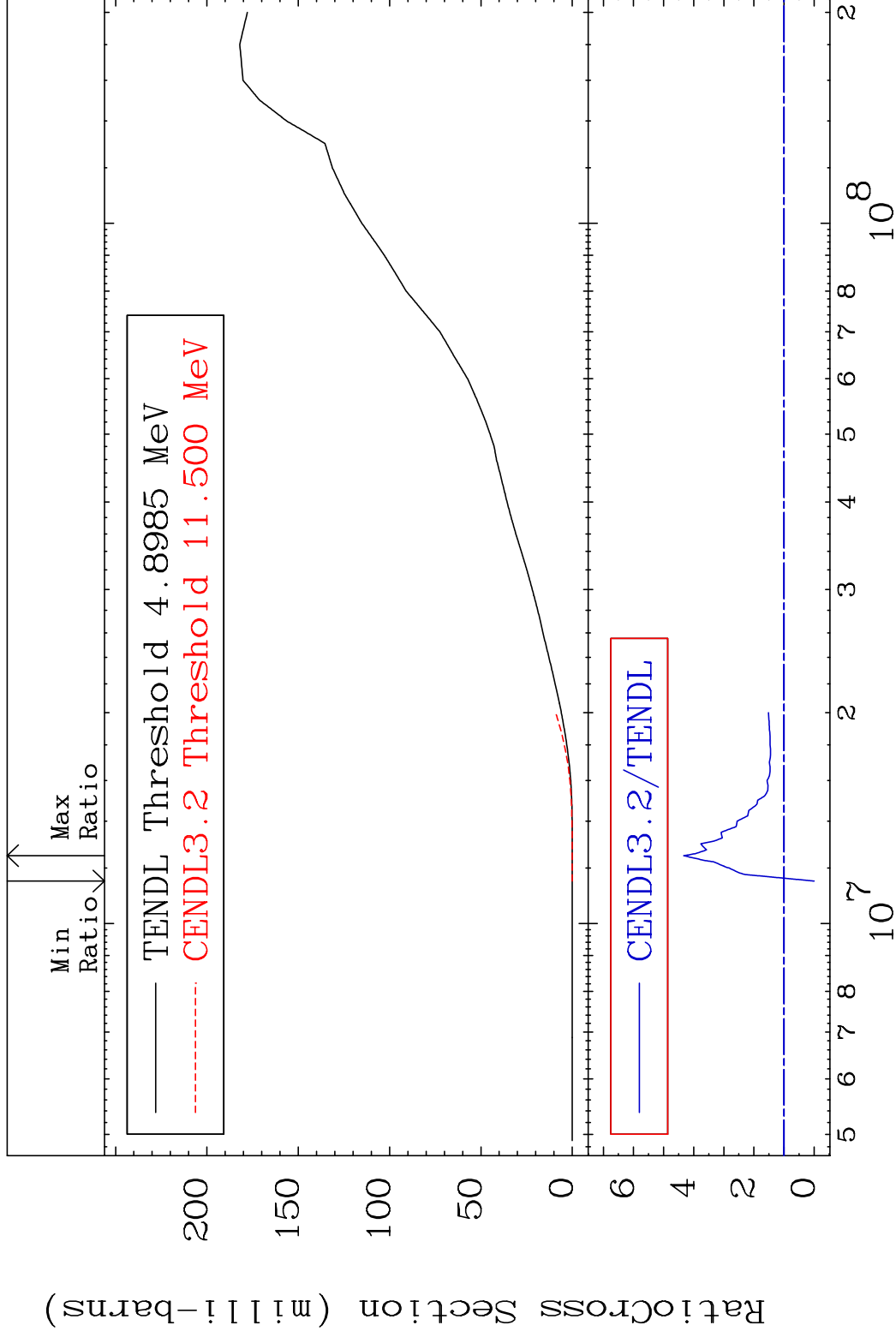
74-W -182

MAT 7431

Deuterium Production

74-W -182

Cross Section -100.0 To 333.4 %



35

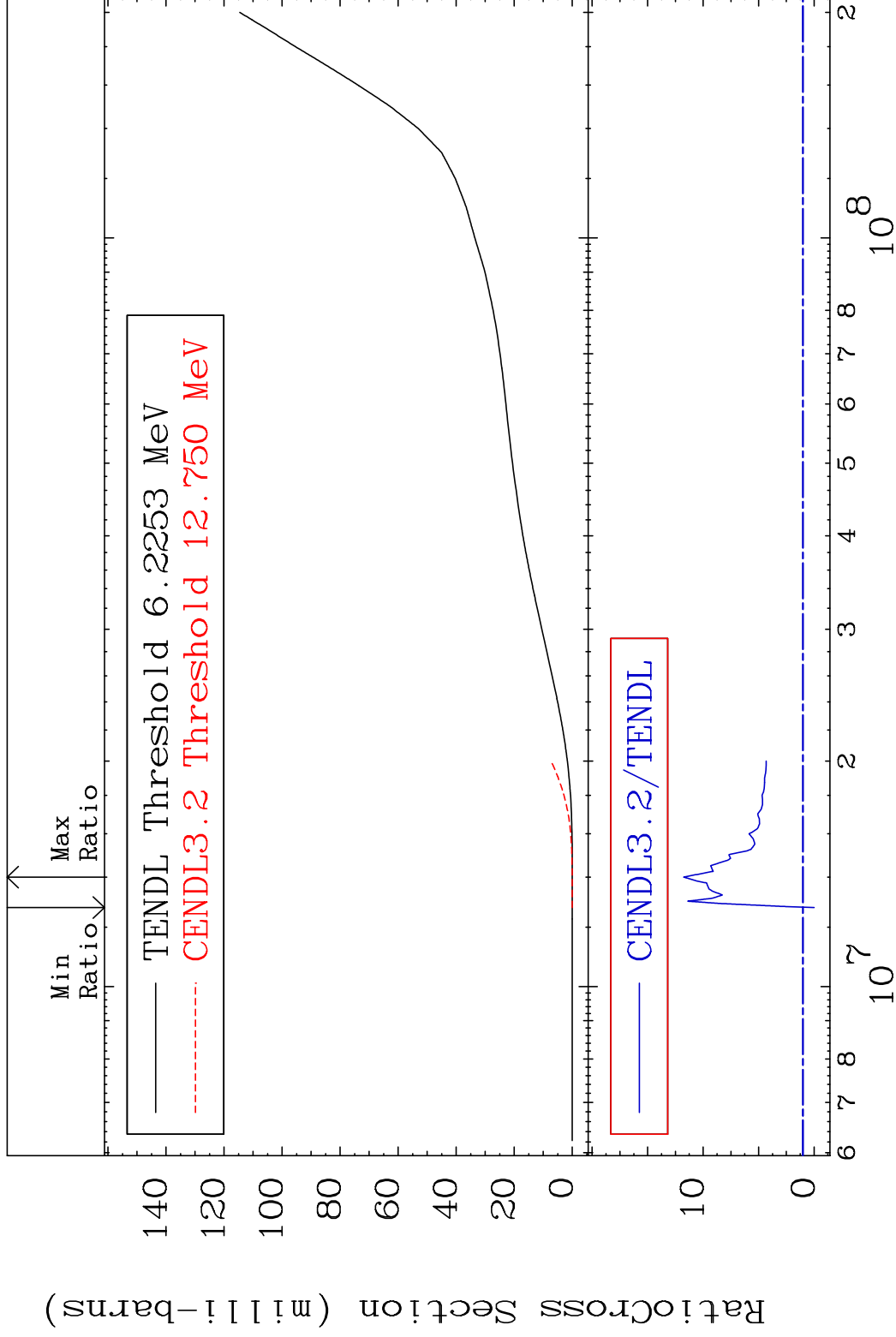
Incident Energy (eV)

74-W -182

MAT 7431

Tritium Production 74-W -182

Cross Section -100.0 To 1076. %



36

Incident Energy (eV)

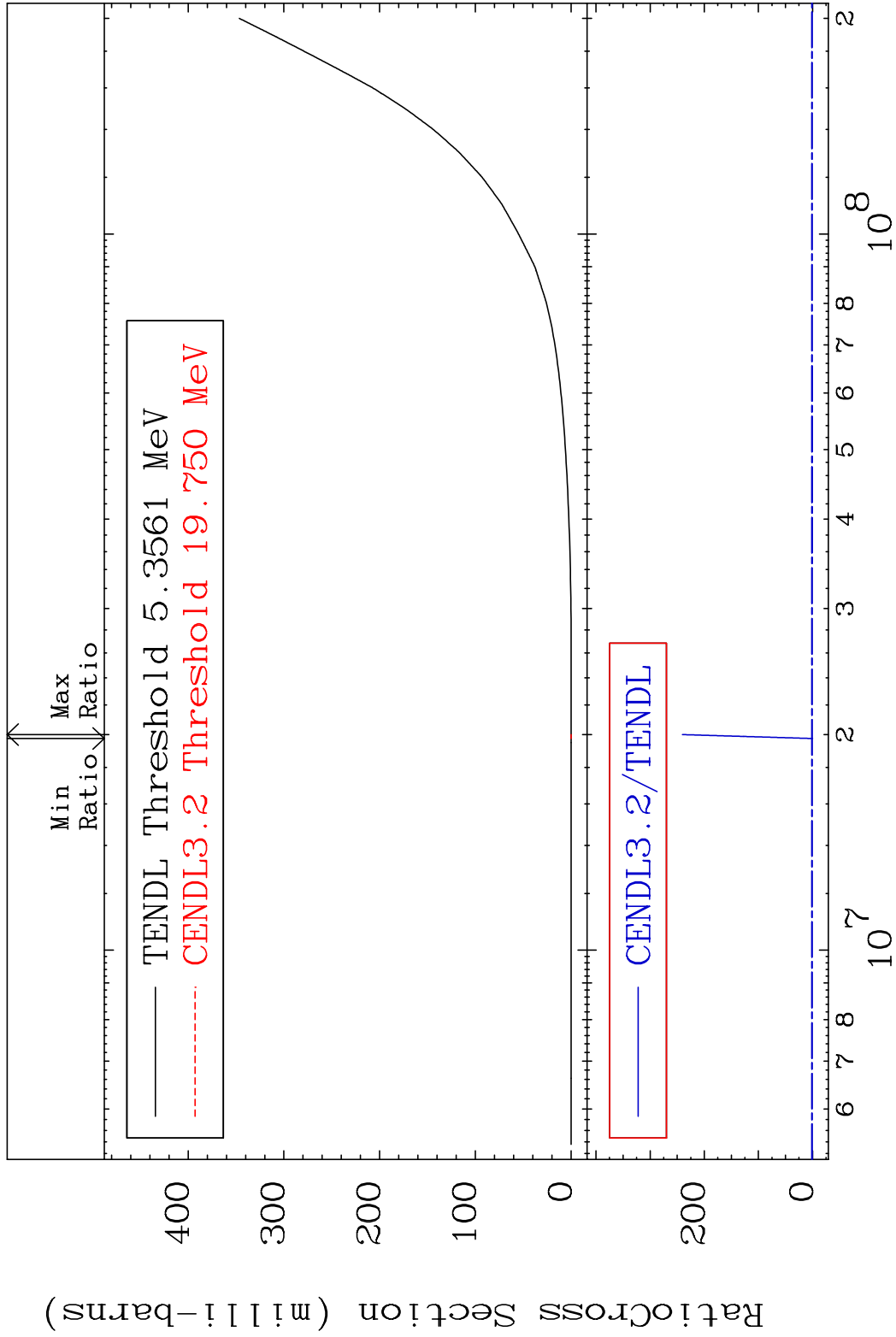
74-W -182

MAT 7431

He-3 Production

74-W -182

Cross Section -100.0 To 9999. %



37

Incident Energy (eV)

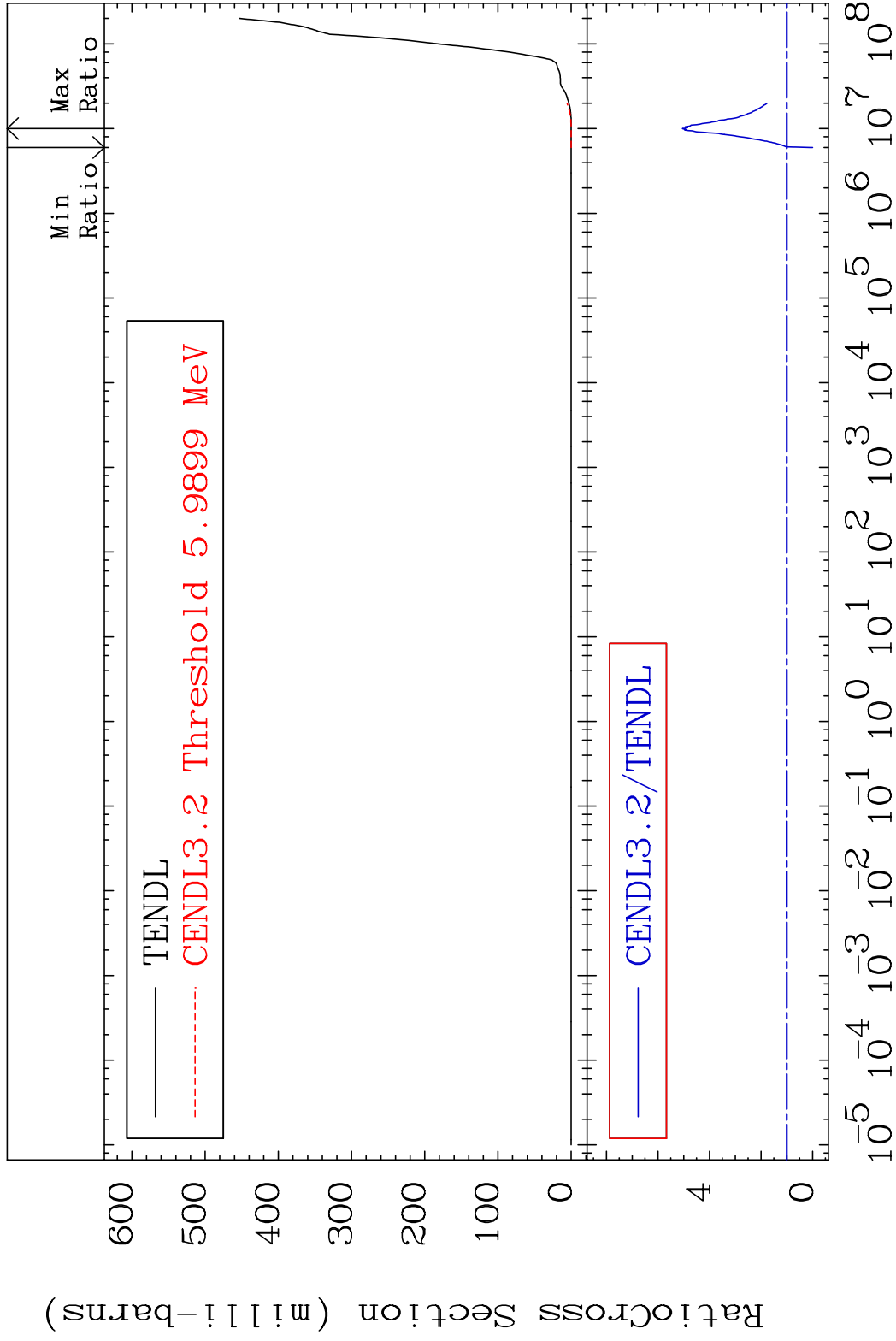
74-W -182

MAT 7431

He-4 Production

74-W -182

Cross Section -100.0 To 405.2 %

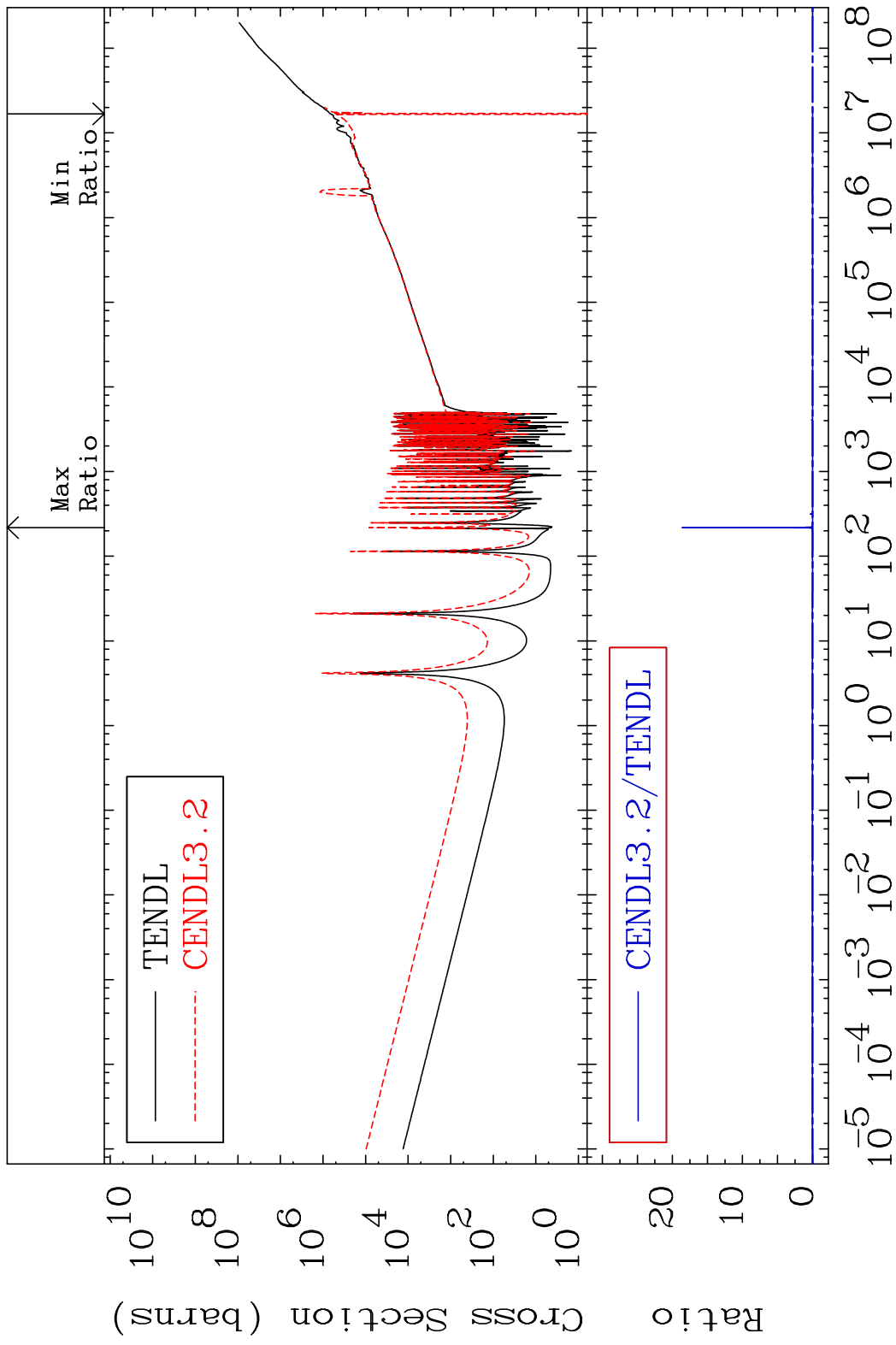


38

Incident Energy (eV)

74-W -182

MAT 7431 Kerma total (eV-barns) 74-W -182
 Cross Section -513.4 To 9999. %



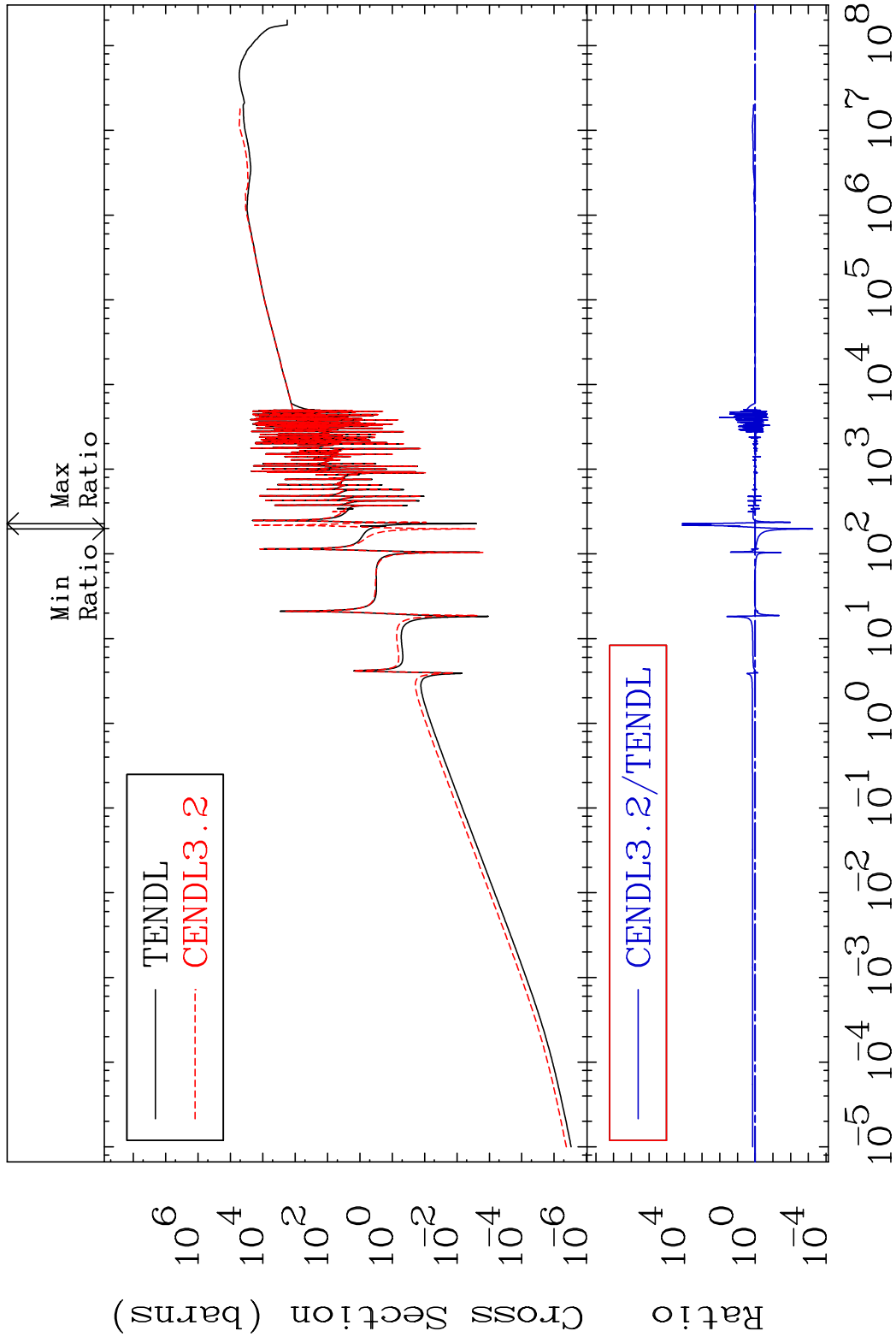
39 Incident Energy (eV) 74-W -182

MAT 7431

Kerma elastic
Cross Section

74-W -182

-99.94 To 9999. %

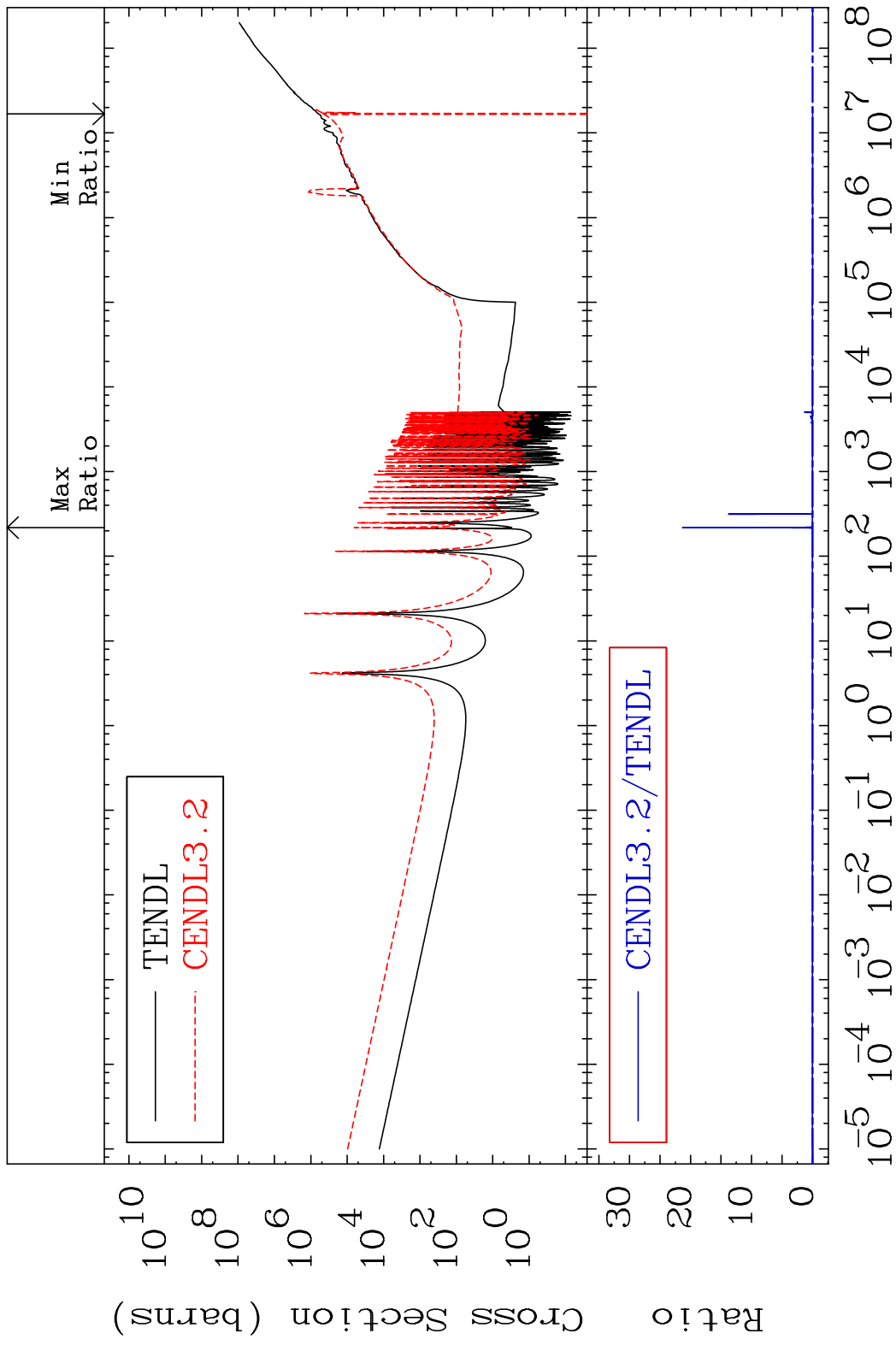


40

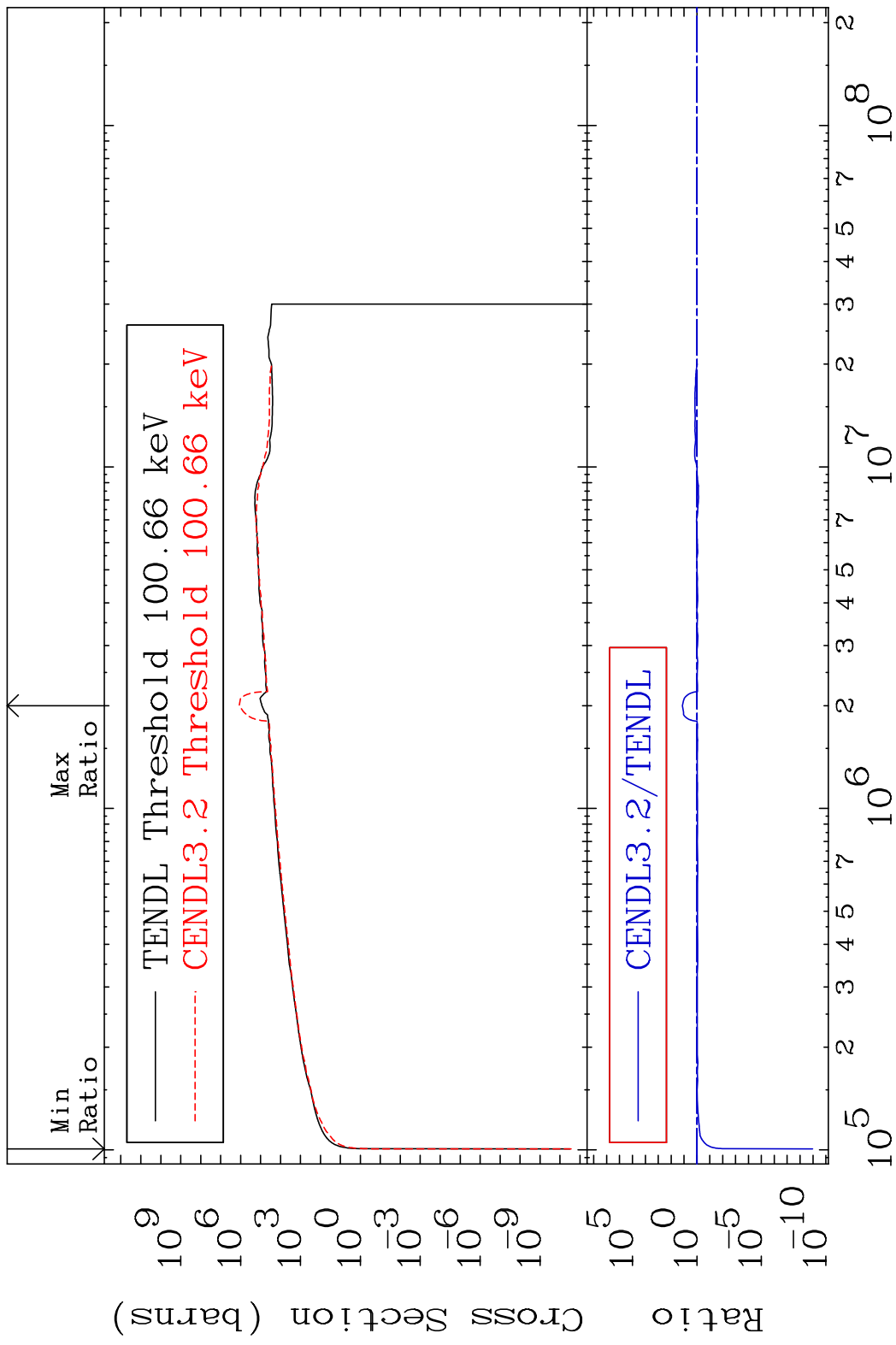
Incident Energy (eV)

74-W -182

MAT 7431 Kerma non-elastic (all but mt2) 74-W -182
 Cross Section -548.5 To 9999. %

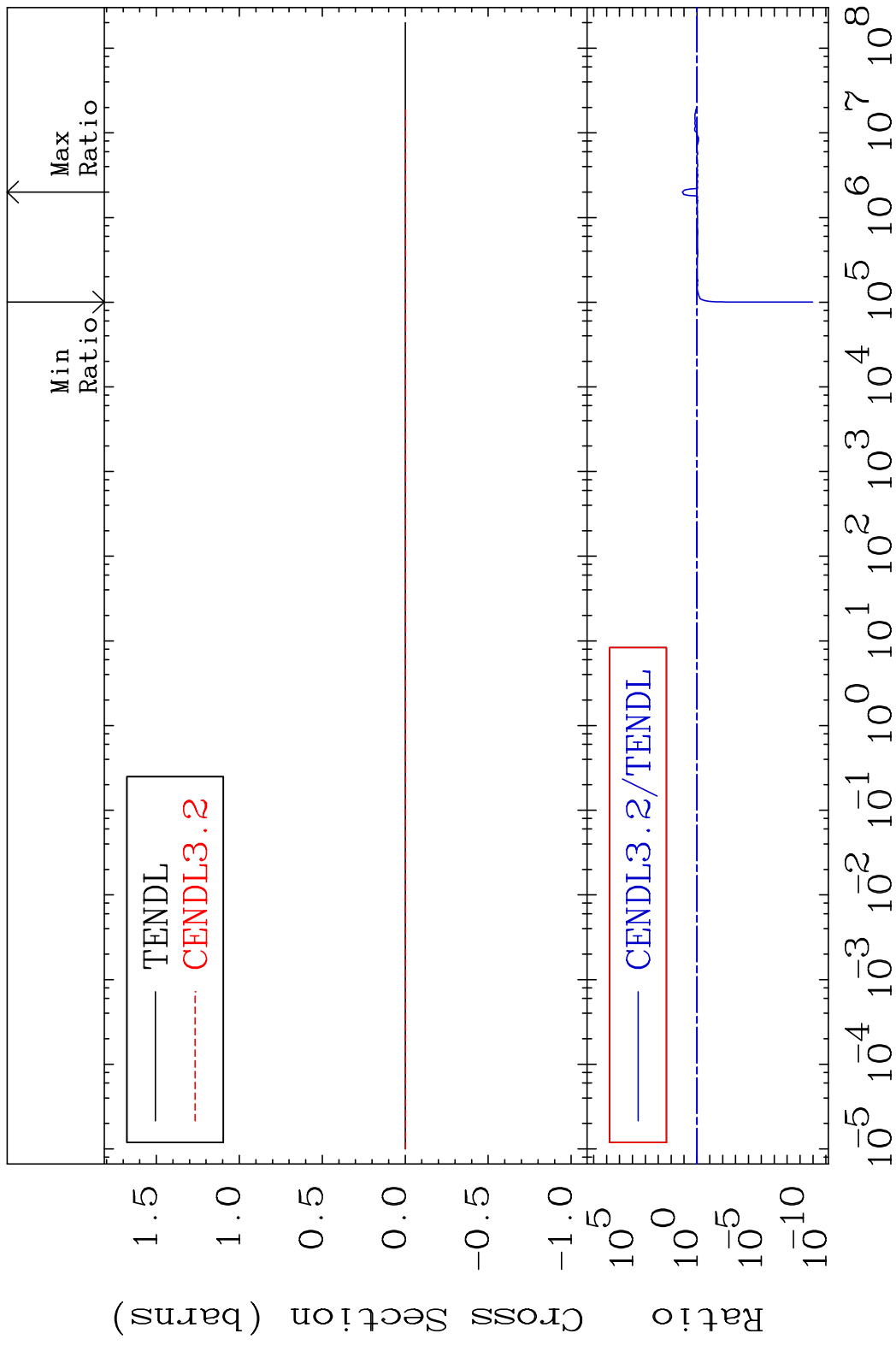


MAT 7431 Kerma inelastic (mt51-91) 74-W -182
 Cross Section -100.0 To 1247. %



42 Incident Energy (eV) 74-W -182

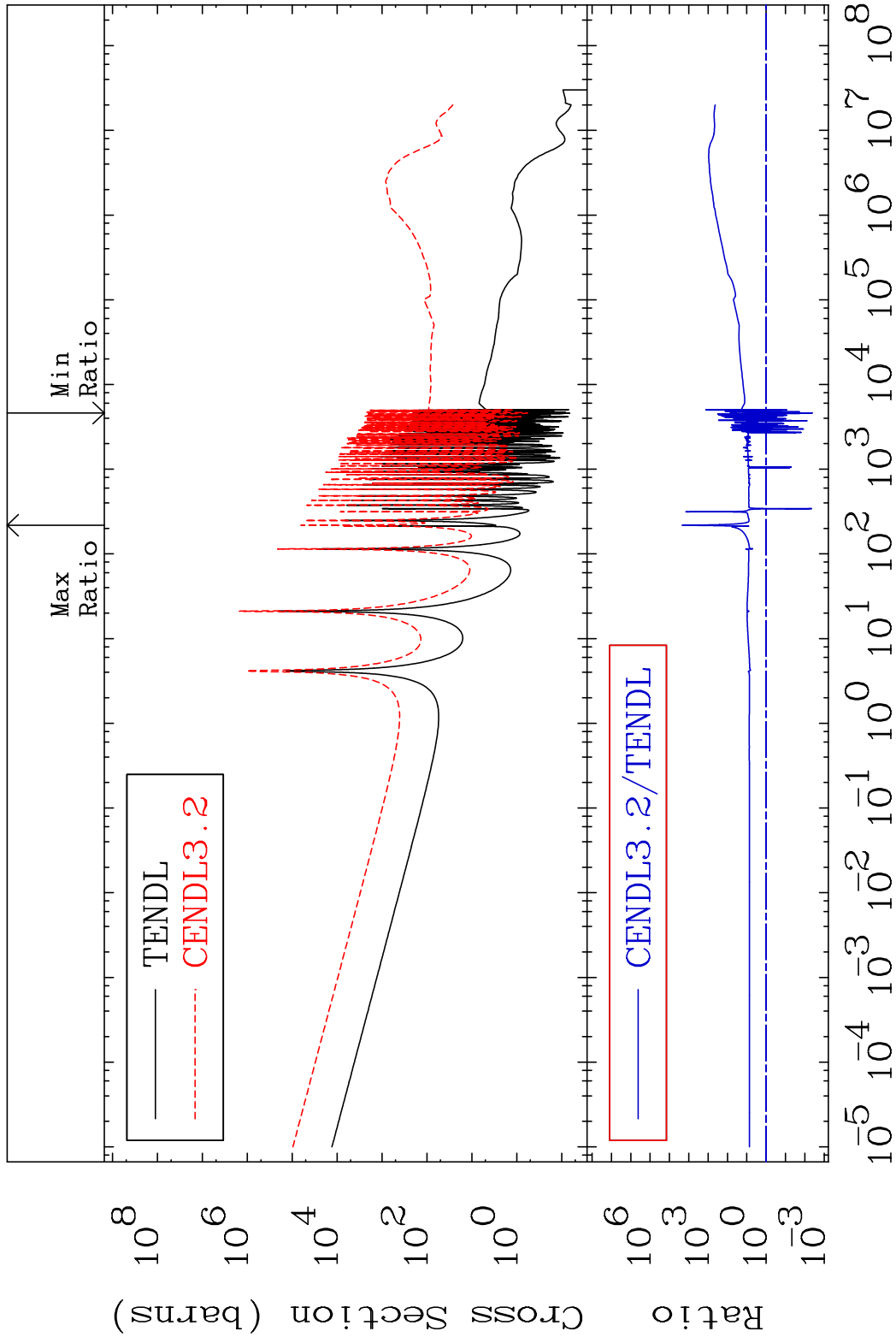
MAT 7431 Kerma fission (mt18 or mt19-20-21-38)74-W -182
 Cross Section -100.0 To 1247. %



MAT 7431

Kerma capture (mt102) 74-W -182

Cross Section -99.60 To 9999. %



44

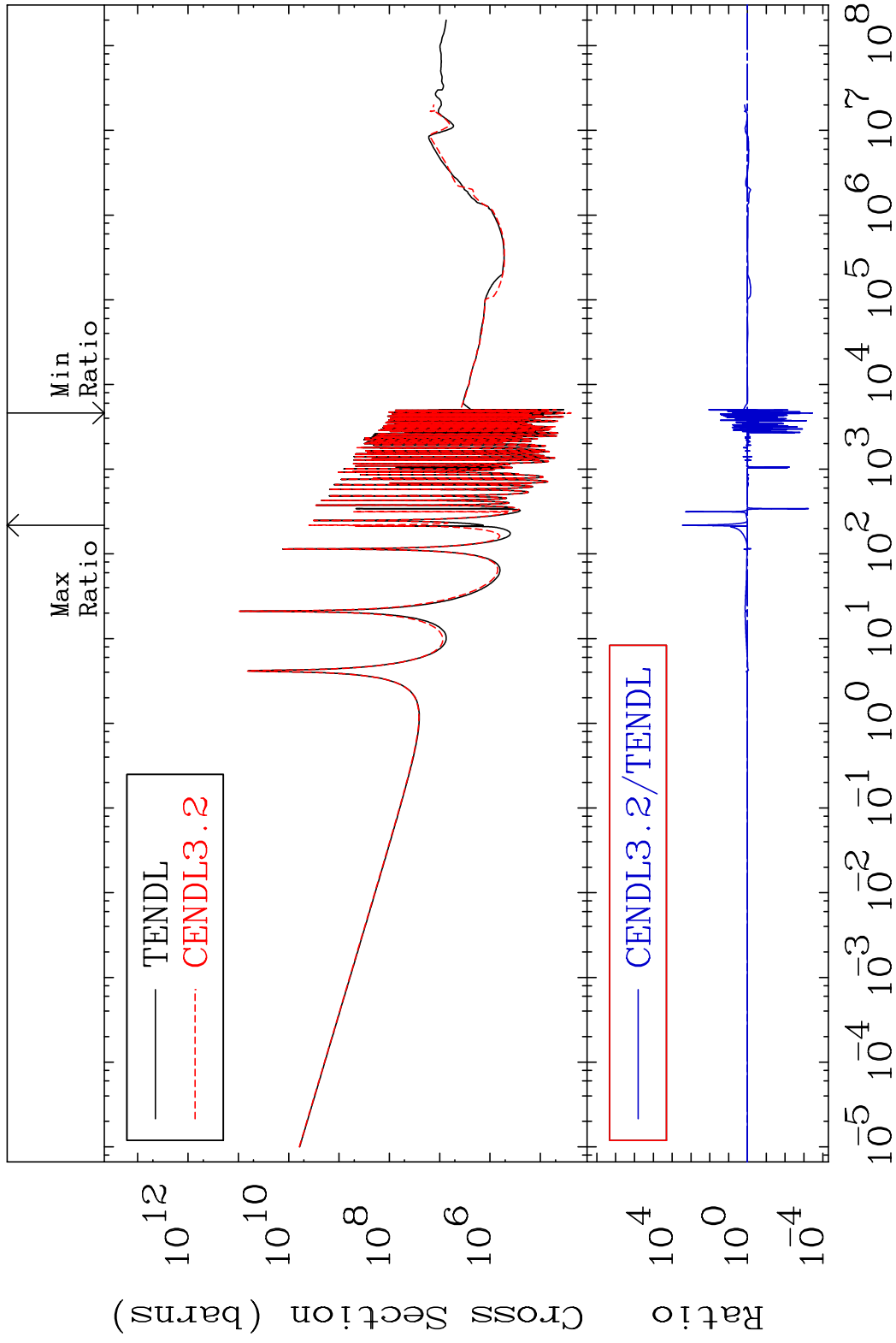
Incident Energy (eV)

74-W -182

MAT 7431

Total photon (eV-barns) 74-W -182

Cross Section -99.97 To 9999. %

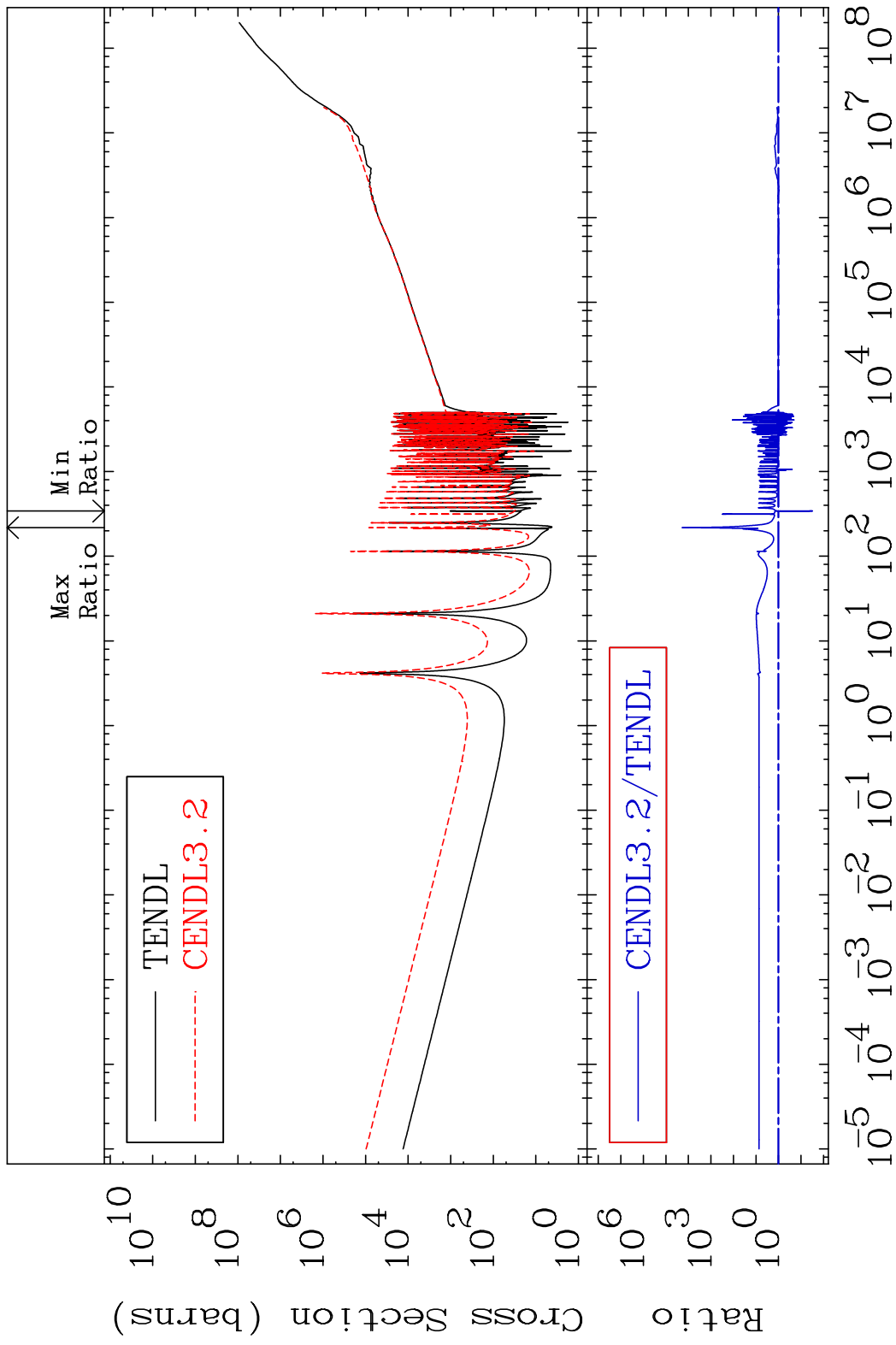


45

Incident Energy (eV)

74-W -182

MAT 7431 Total kinematic kerma (high limit) 74-W -182
 Cross Section -96.92 To 9999. %

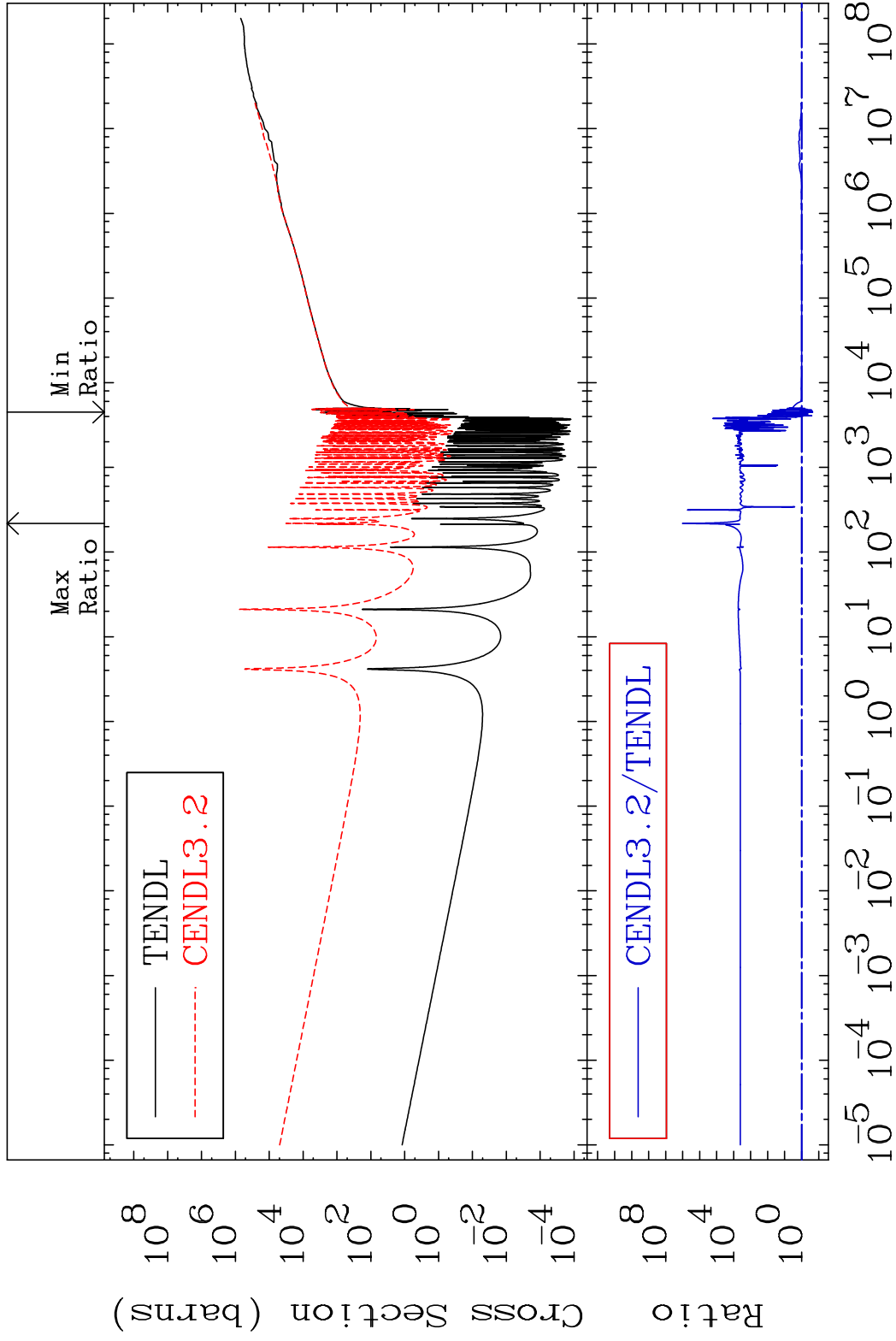


MAT 7431

Dpa total (eV-barns)

74-W -182

Cross Section -77.10 To 9999. %



47

Incident Energy (eV)

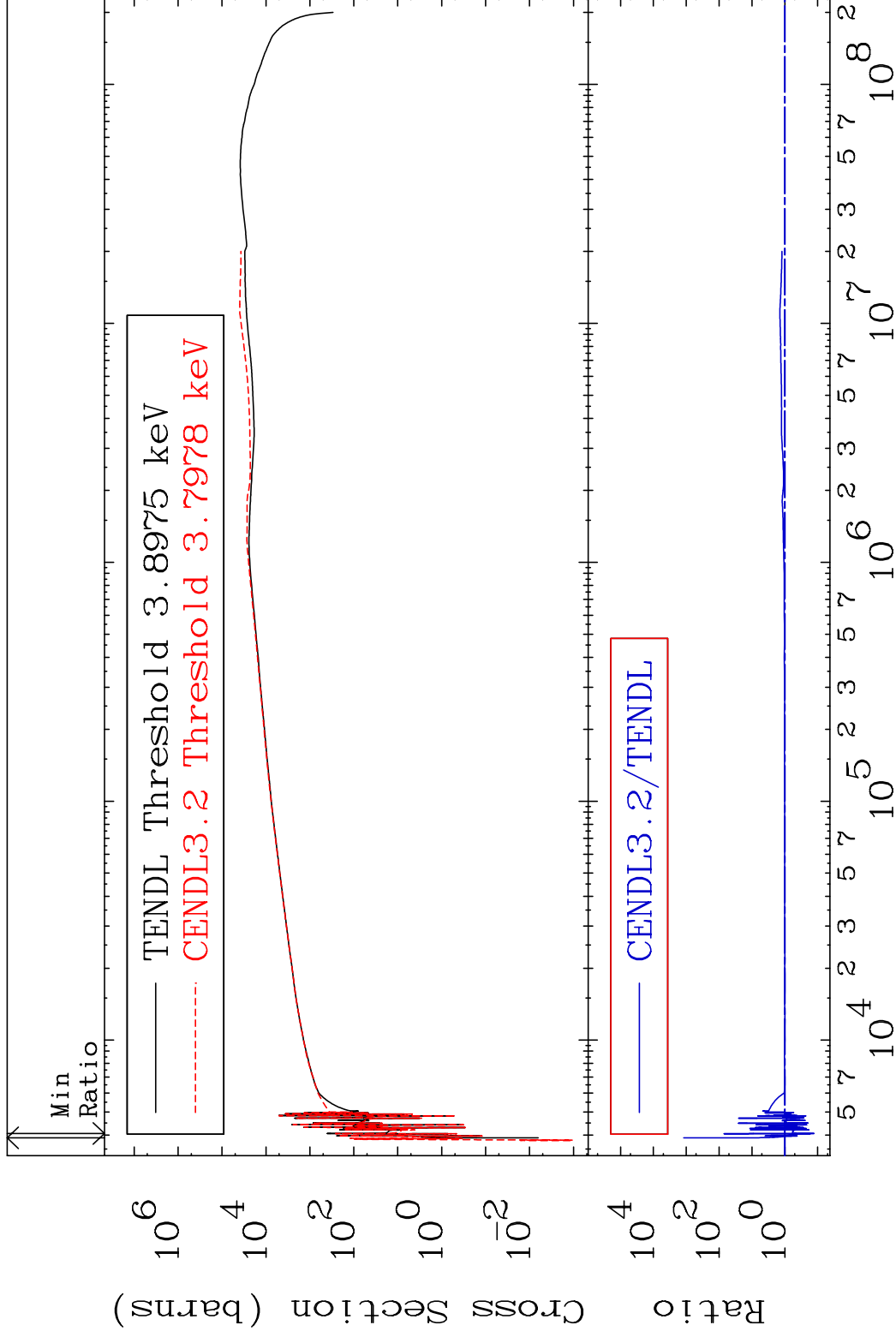
74-W -182

MAT 7431

Dpa elastic (mt2)

74-W -182

Cross Section -87.18 To 9999. %

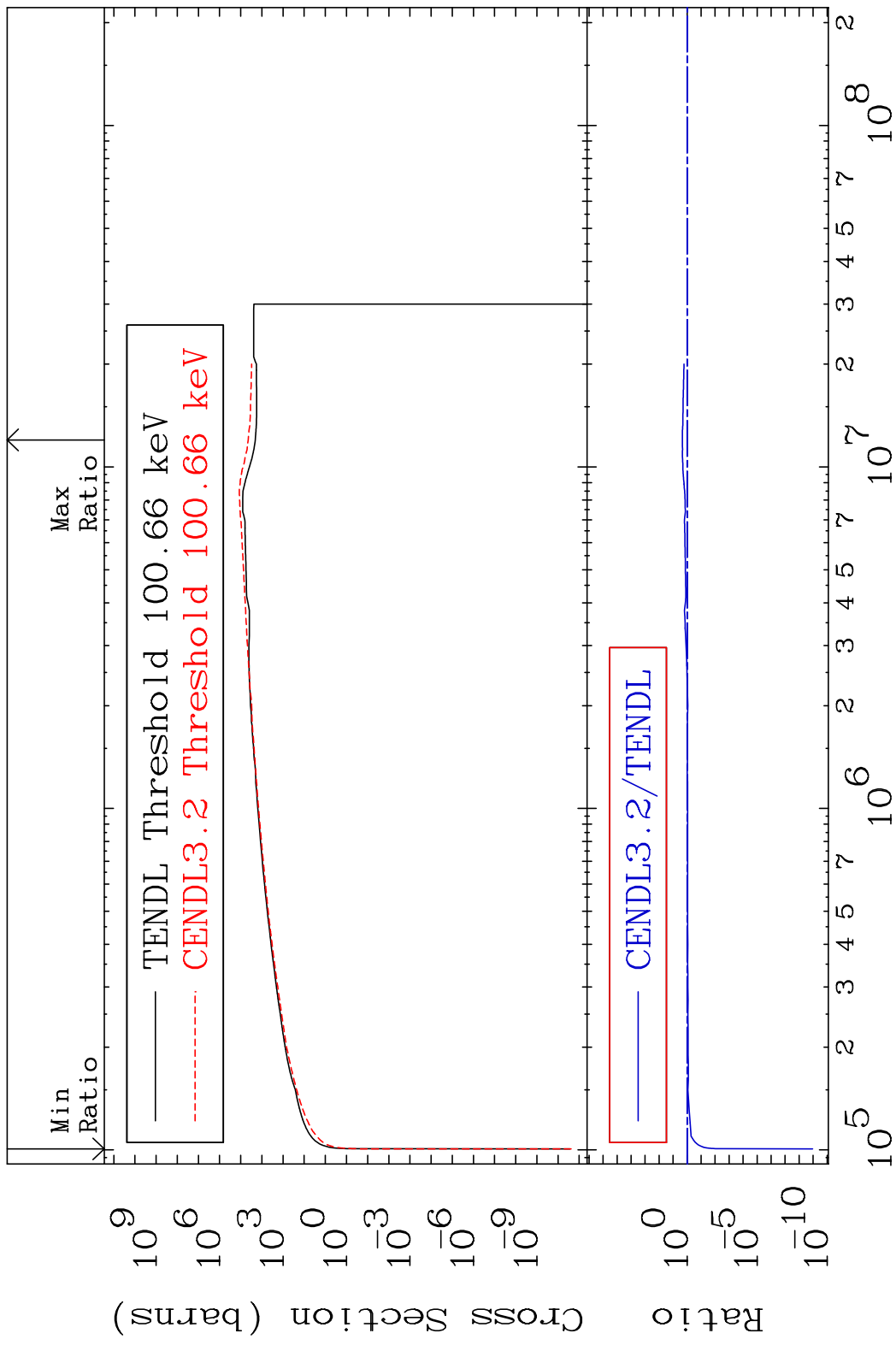


48

Incident Energy (eV)

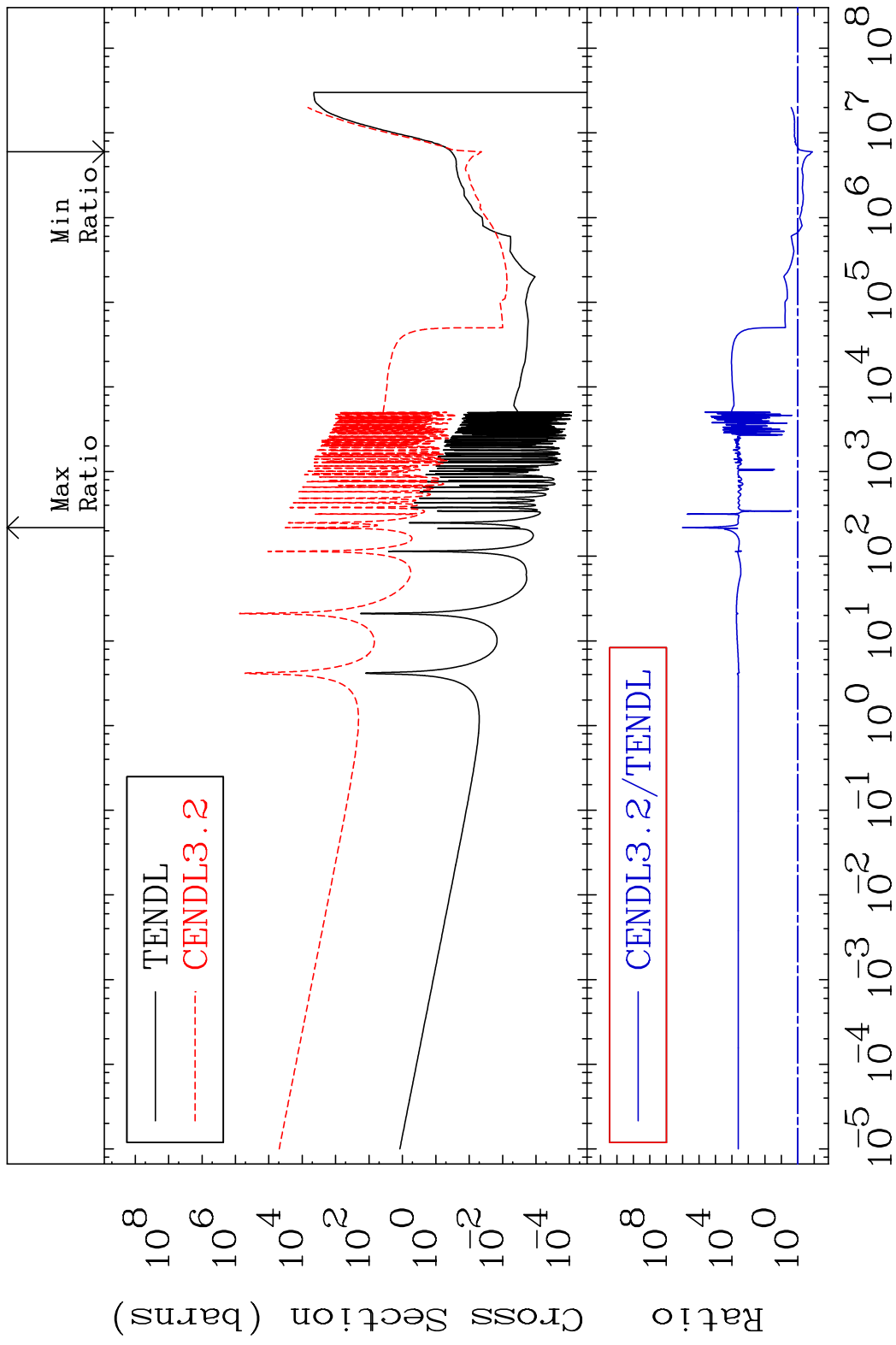
74-W -182

MAT 7431 Dpa inelastic (mt51-91) 74-W -182
 Cross Section -100.0 To 117.6 %



49 Incident Energy (eV) 74-W -182

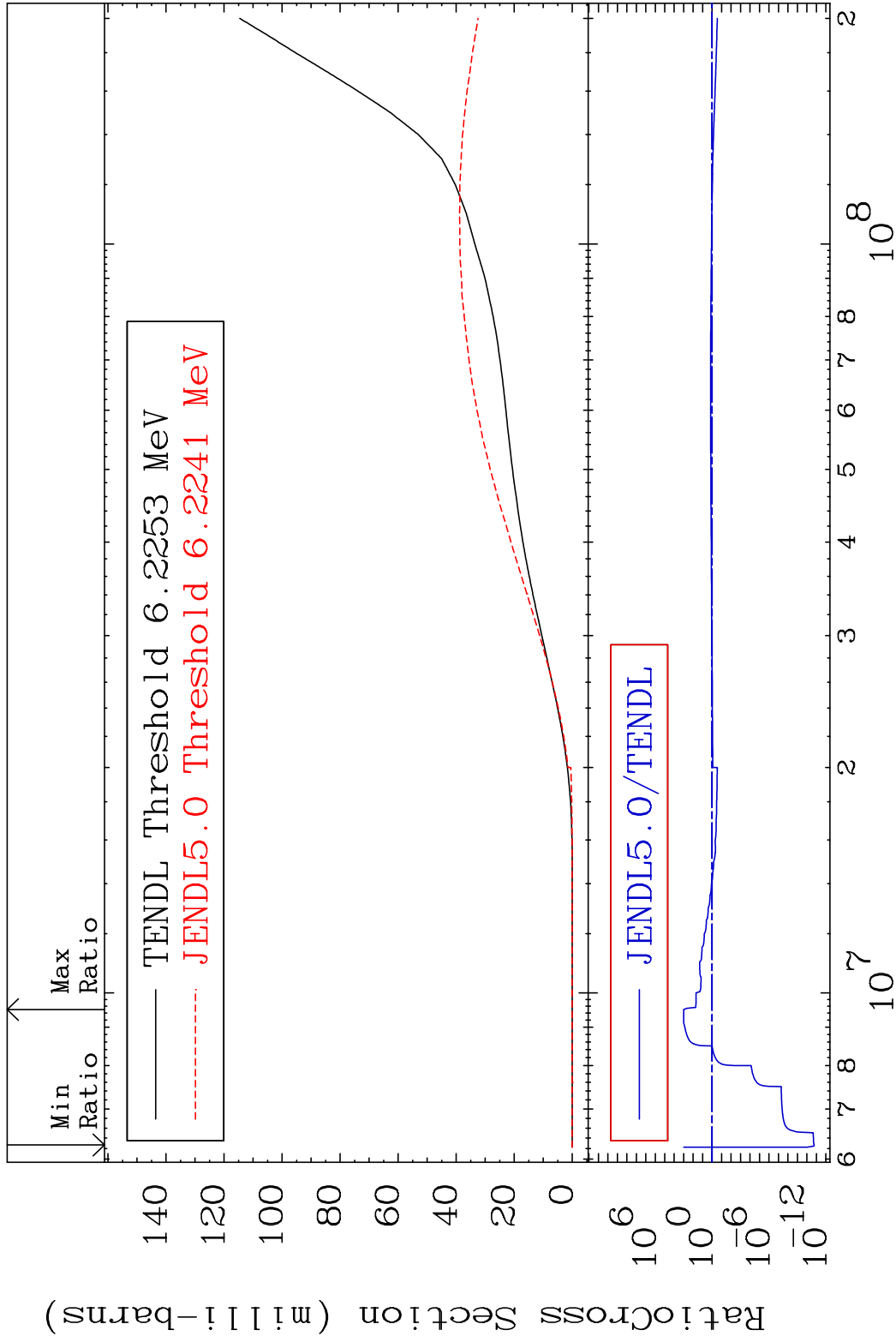
MAT 7431 Dpa disappearance (mt102 -120) 74-W -182
 Cross Section -87.51 To 9999. %



MAT 7431

Tritium Production 74-W -182

Cross Section -100.0 To 9999. %



51

Incident Energy (eV)

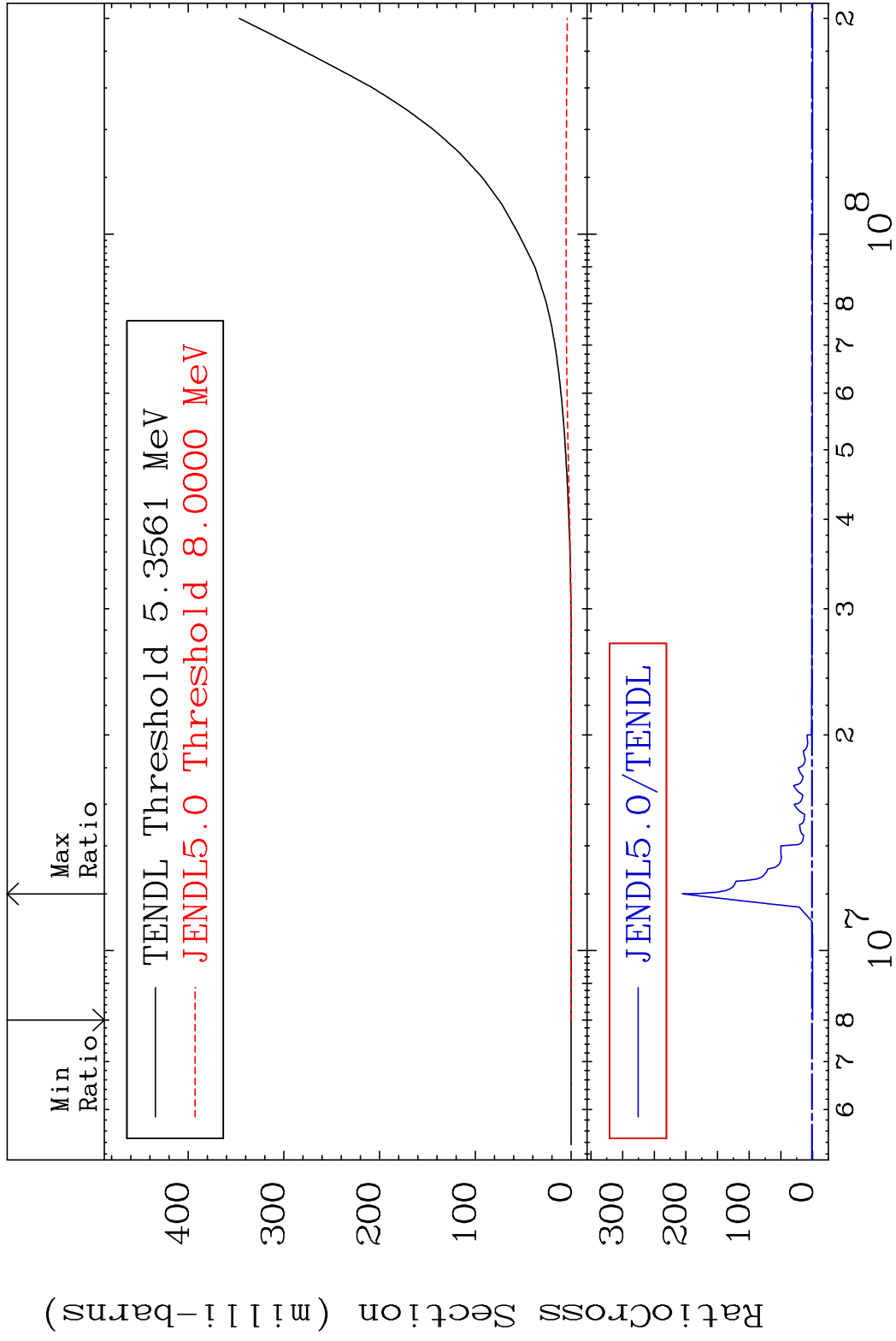
74-W -182

MAT 7431

He-3 Production

74-W -182

Cross Section -100.0 To 9999. %



52

Incident Energy (eV)

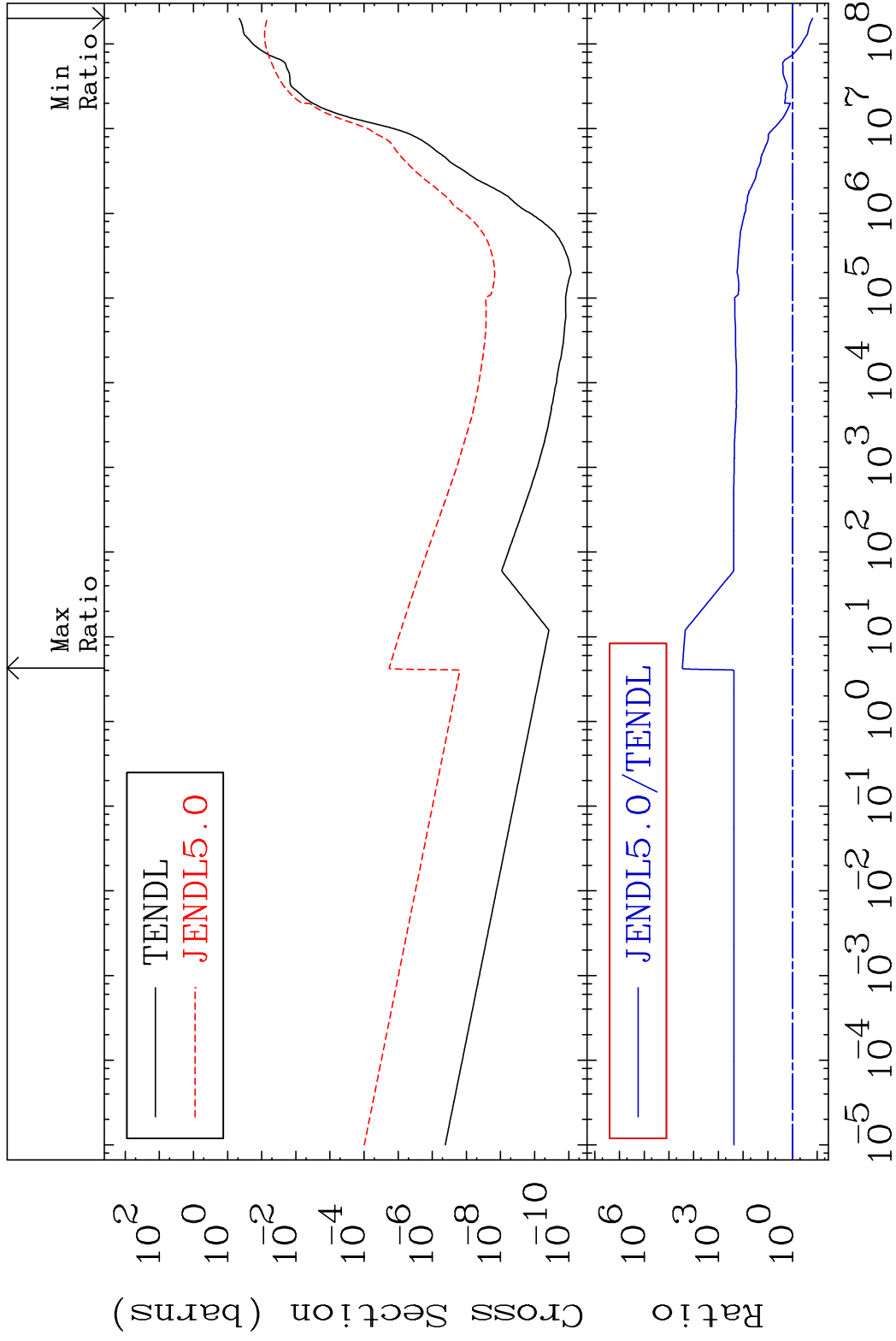
74-W -182

MAT 7431

He-4 Production

74-W -182

Cross Section -84.51 To 9999. %



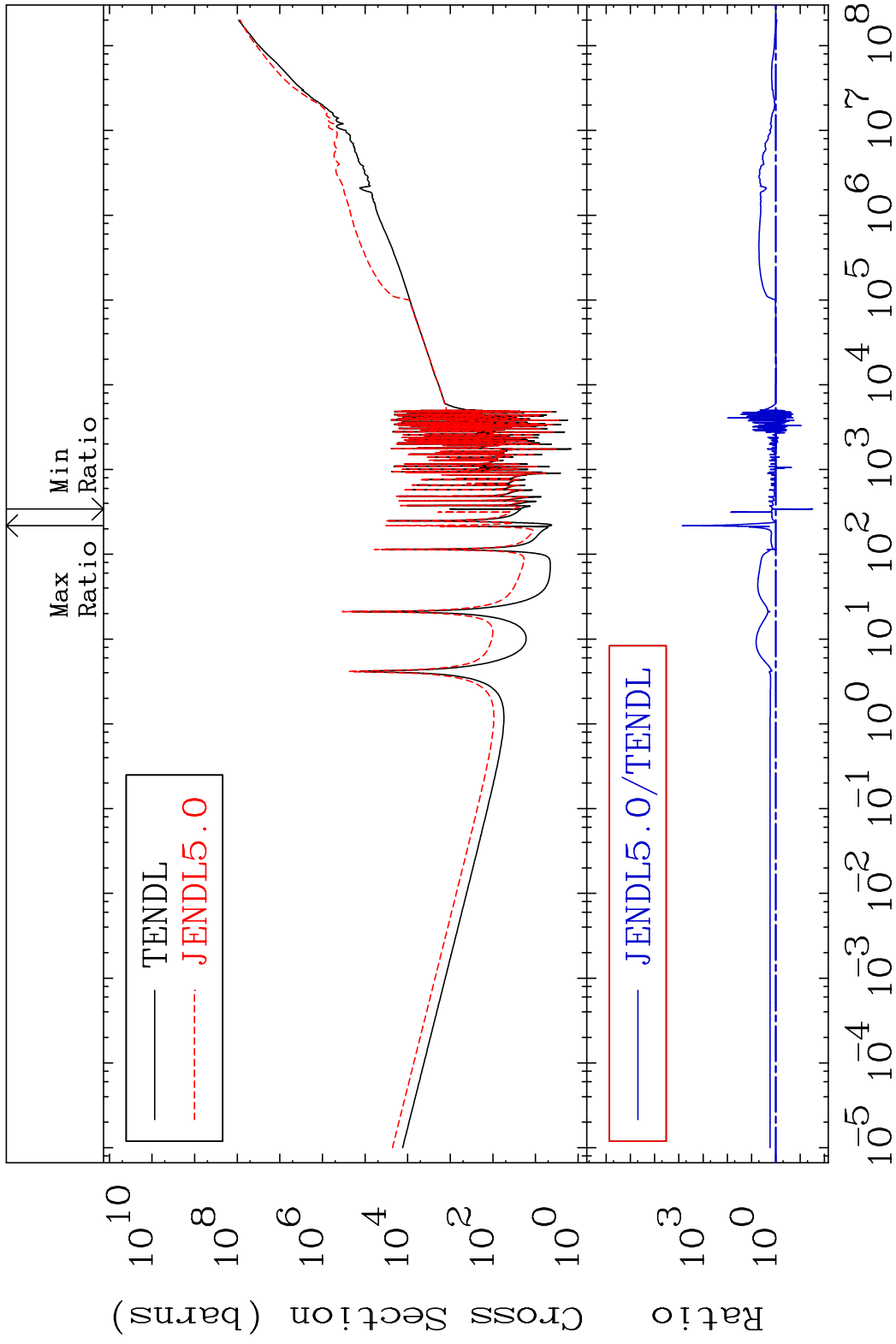
53

Incident Energy (eV)

74-W -182

MAT 7431

Kerma total (eV-barns) 74-W -182
Cross Section -96.90 To 9999. %



54

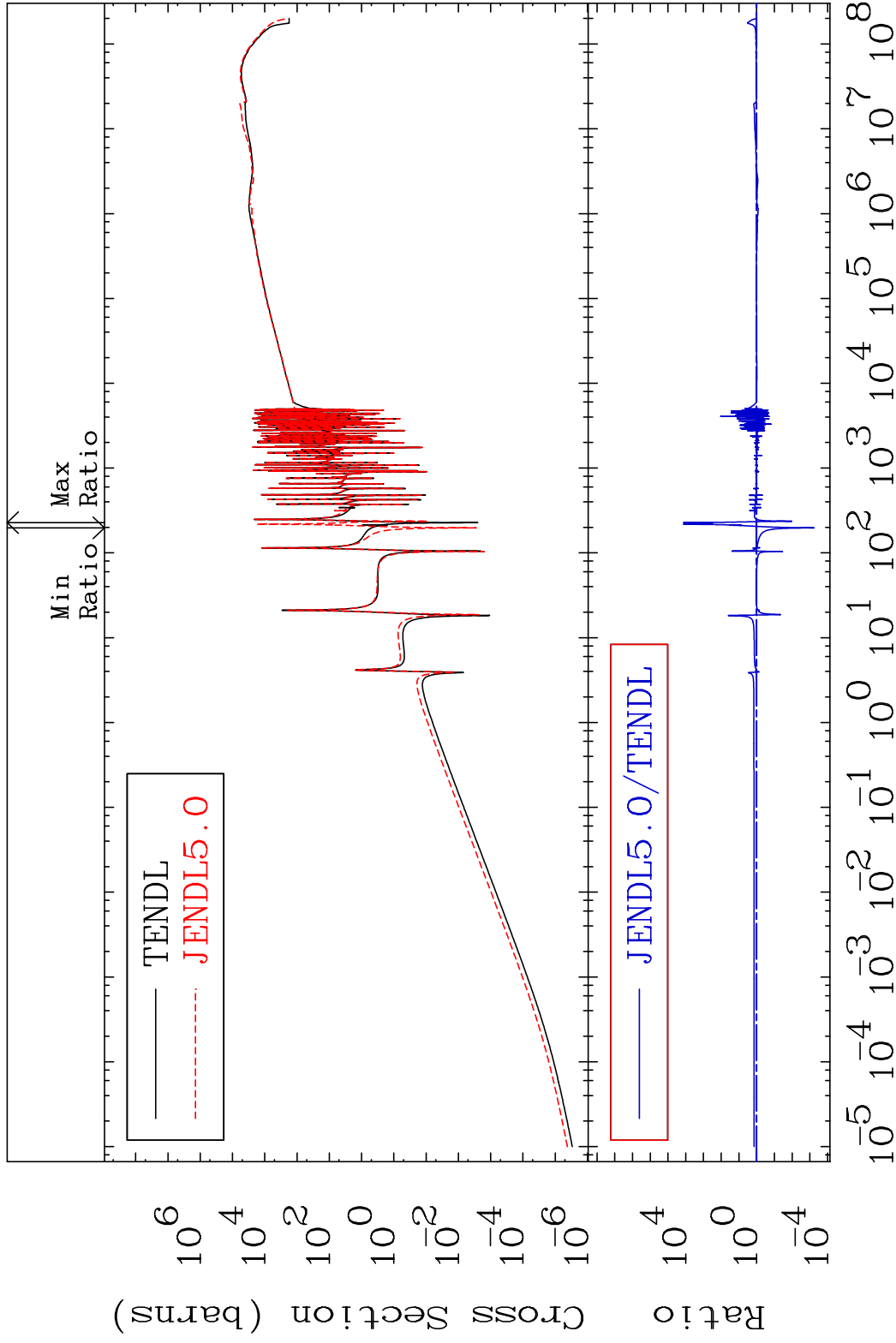
Incident Energy (eV) 74-W -182

MAT 7431

Kerma elastic

74-W -182

Cross Section -99.94 To 9999. %

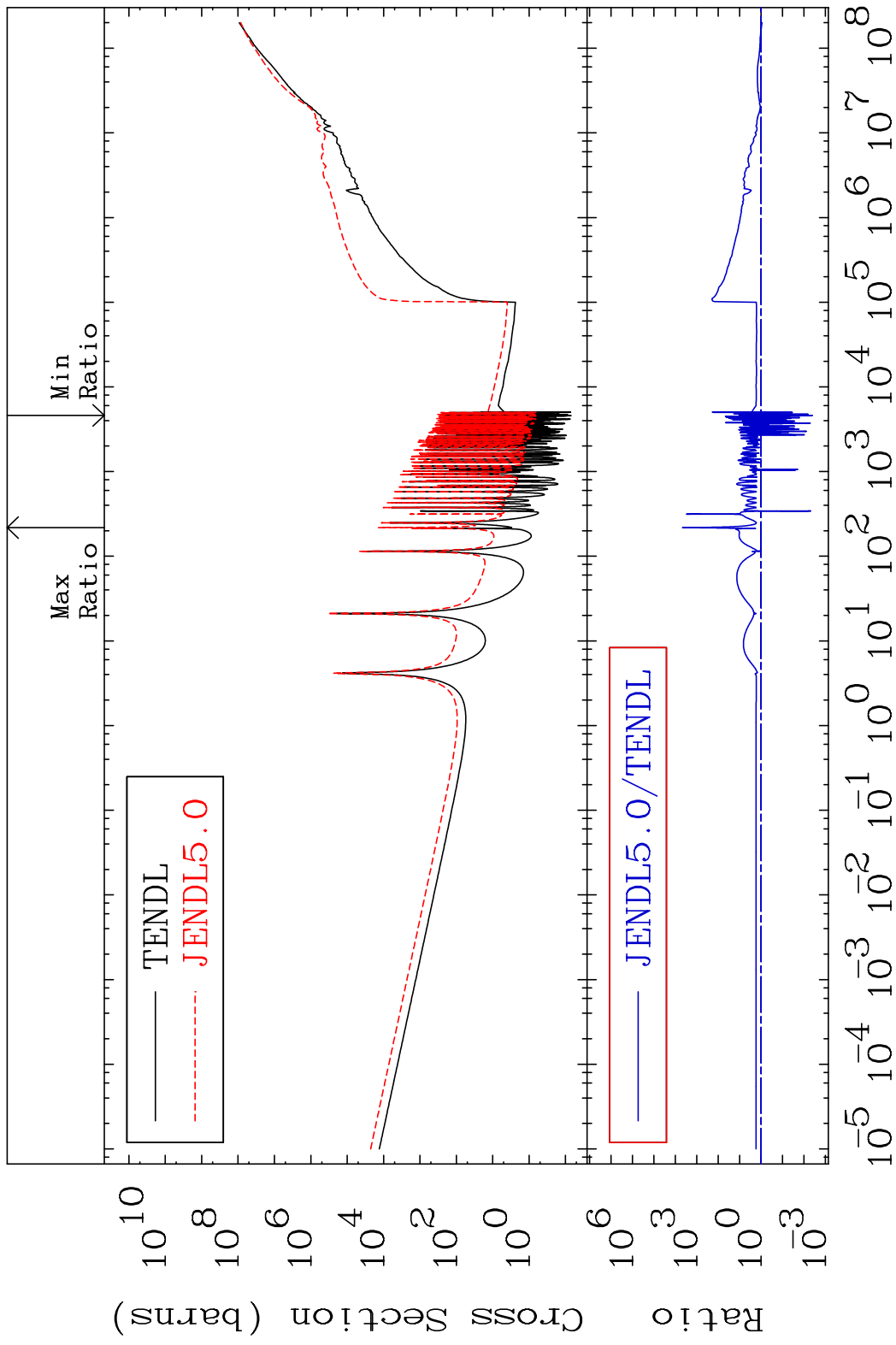


55

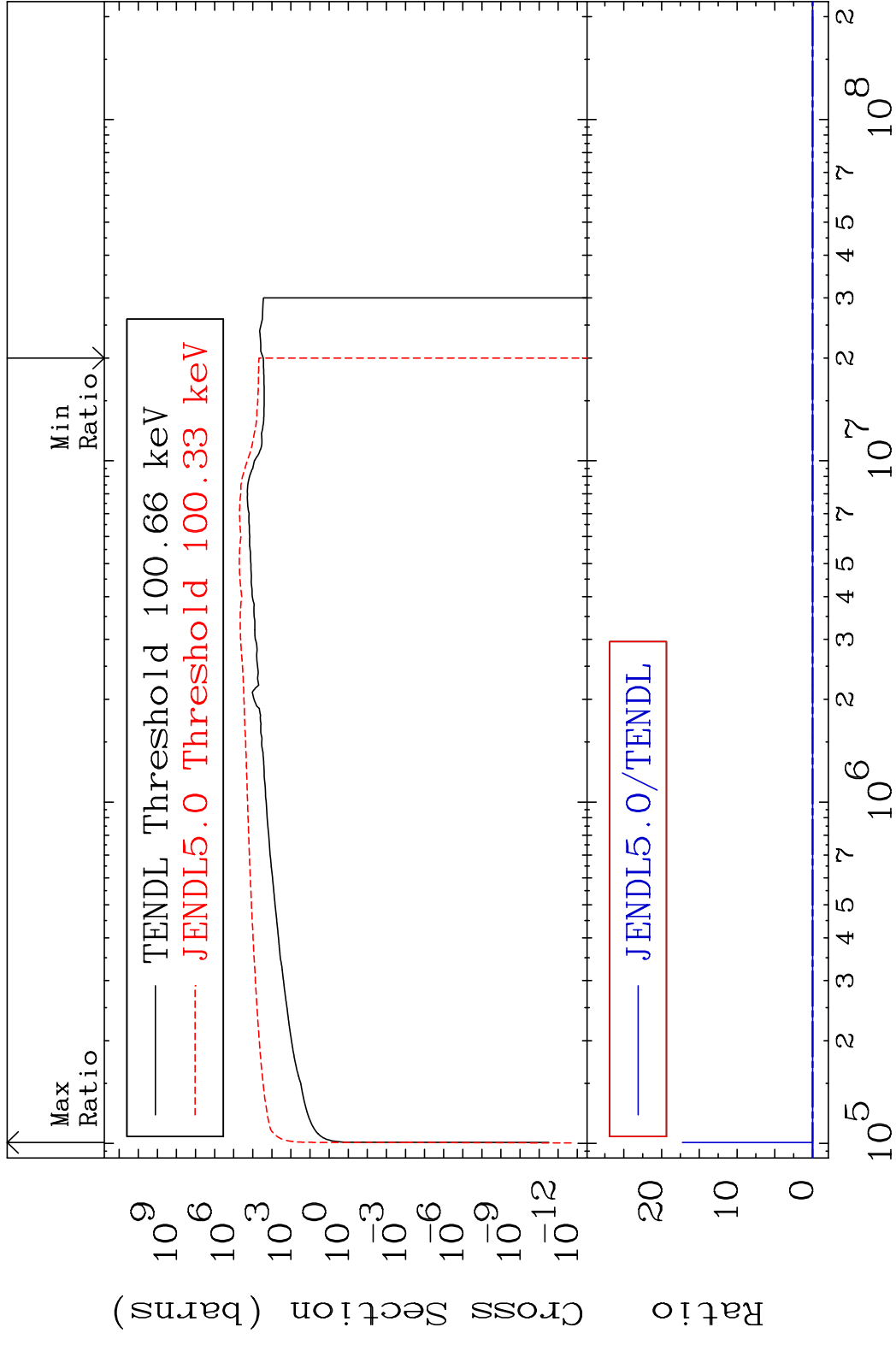
Incident Energy (eV)

74-W -182

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

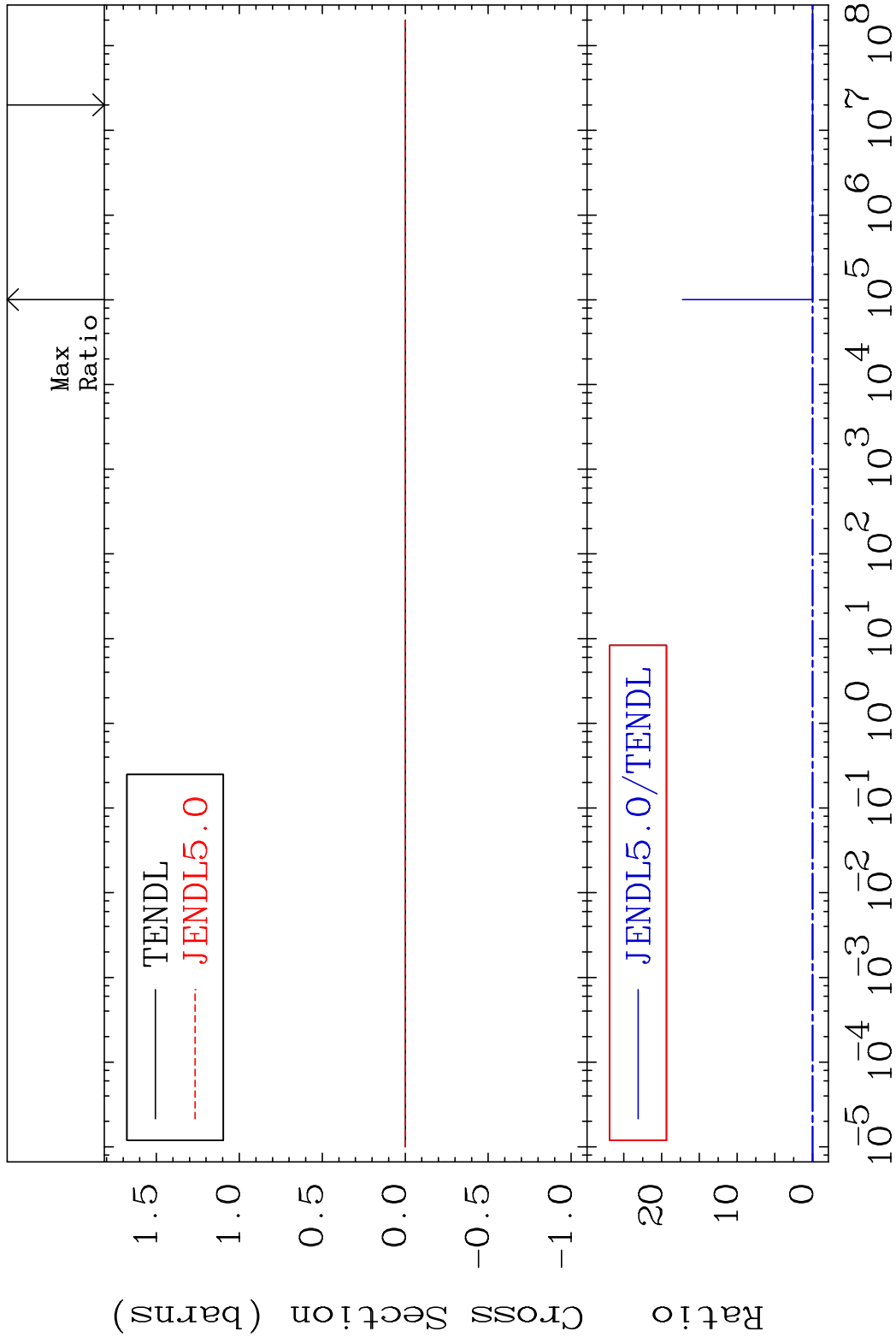


MAT 7431 Kerma inelastic (mt51-91) 74-W -182
 Cross Section -100.0 To 9999. %



57 Incident Energy (eV) 74-W -182

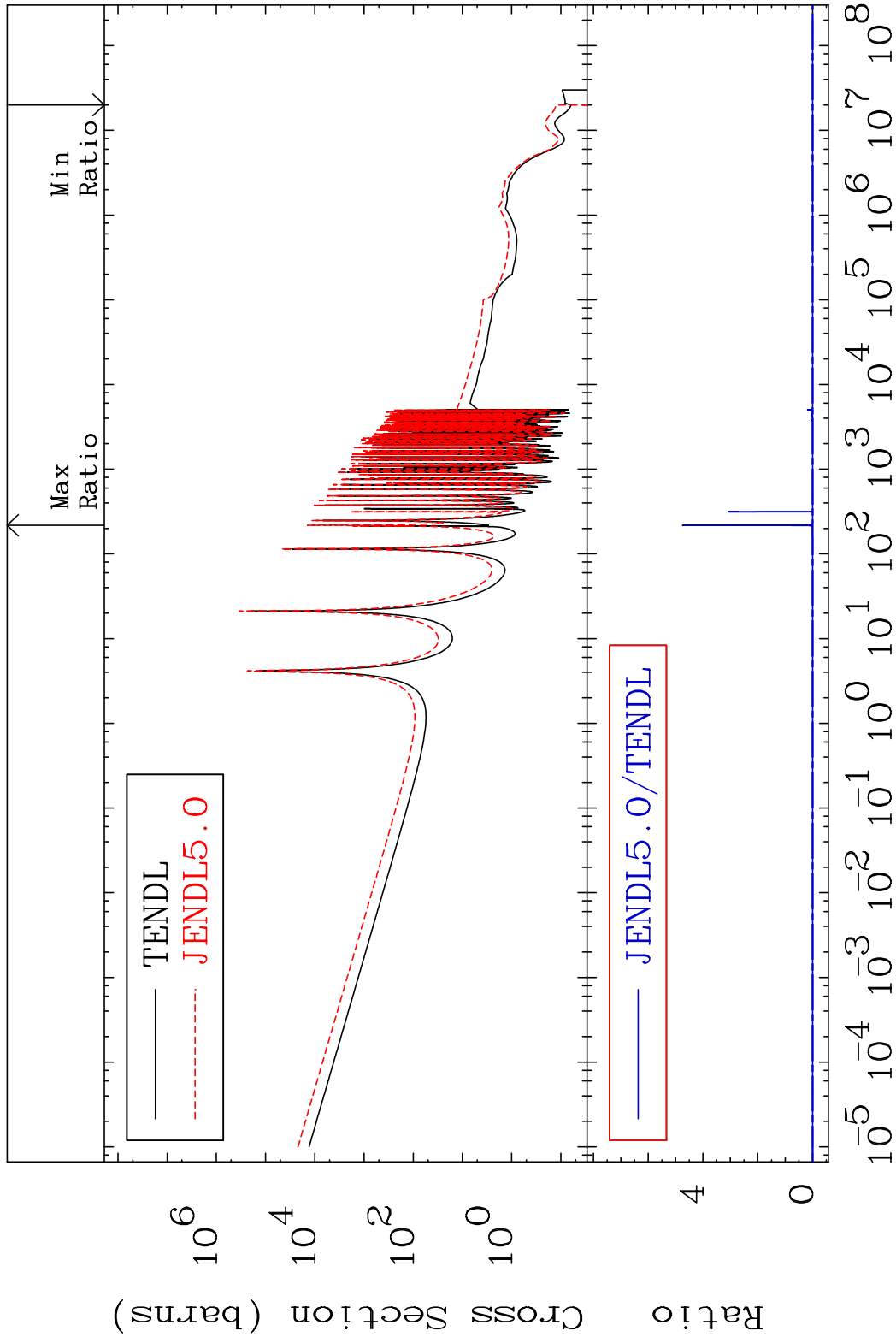
MAT 7431 Kerma fission (mt18 or mt19-20-21-38)74-W -182
 Cross Section -100.0 To 9999. %



MAT 7431

Kerma capture (mt102) 74-W -182

Cross Section -100.0 To 9999. %



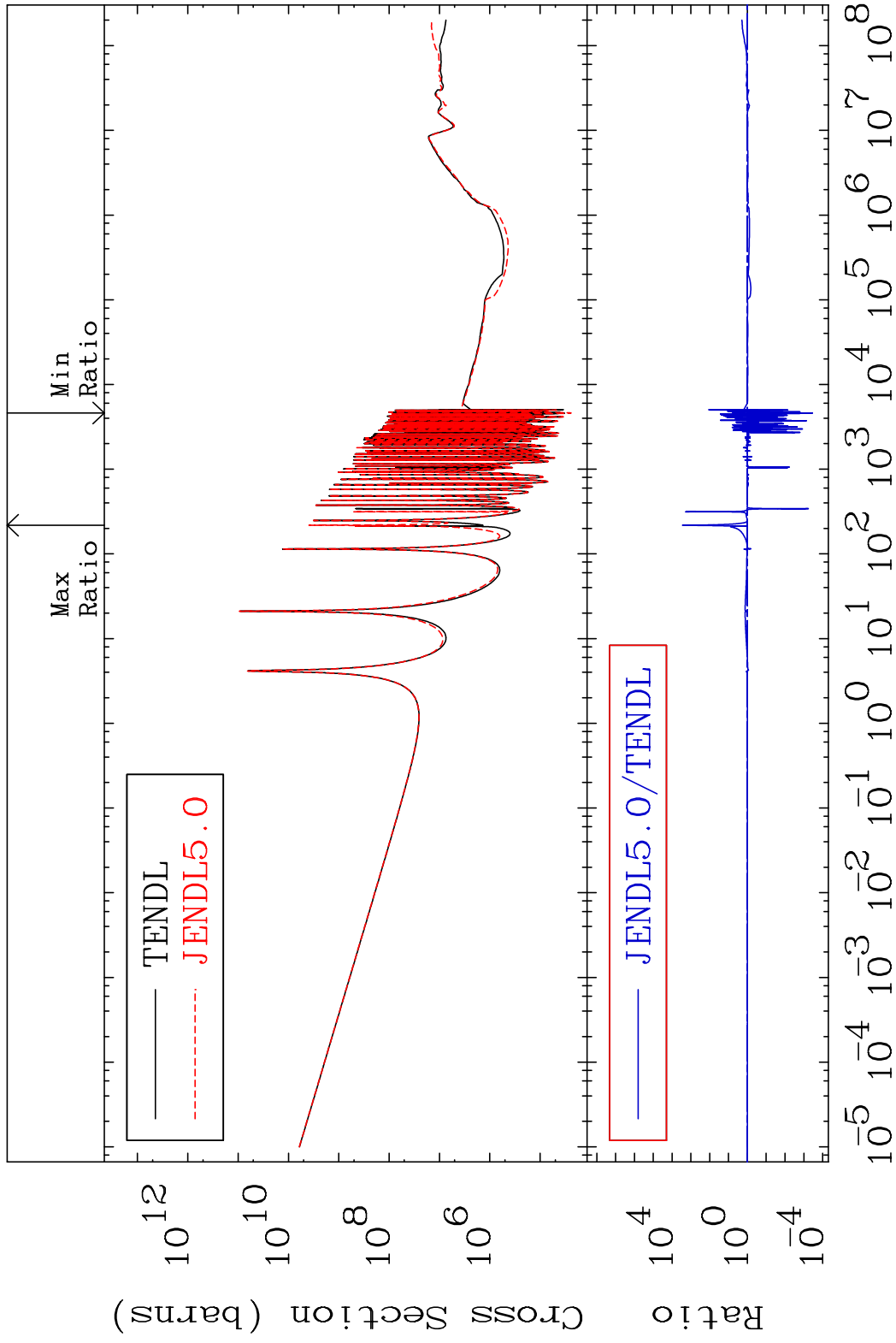
59

Incident Energy (eV)

74-W -182

MAT 7431

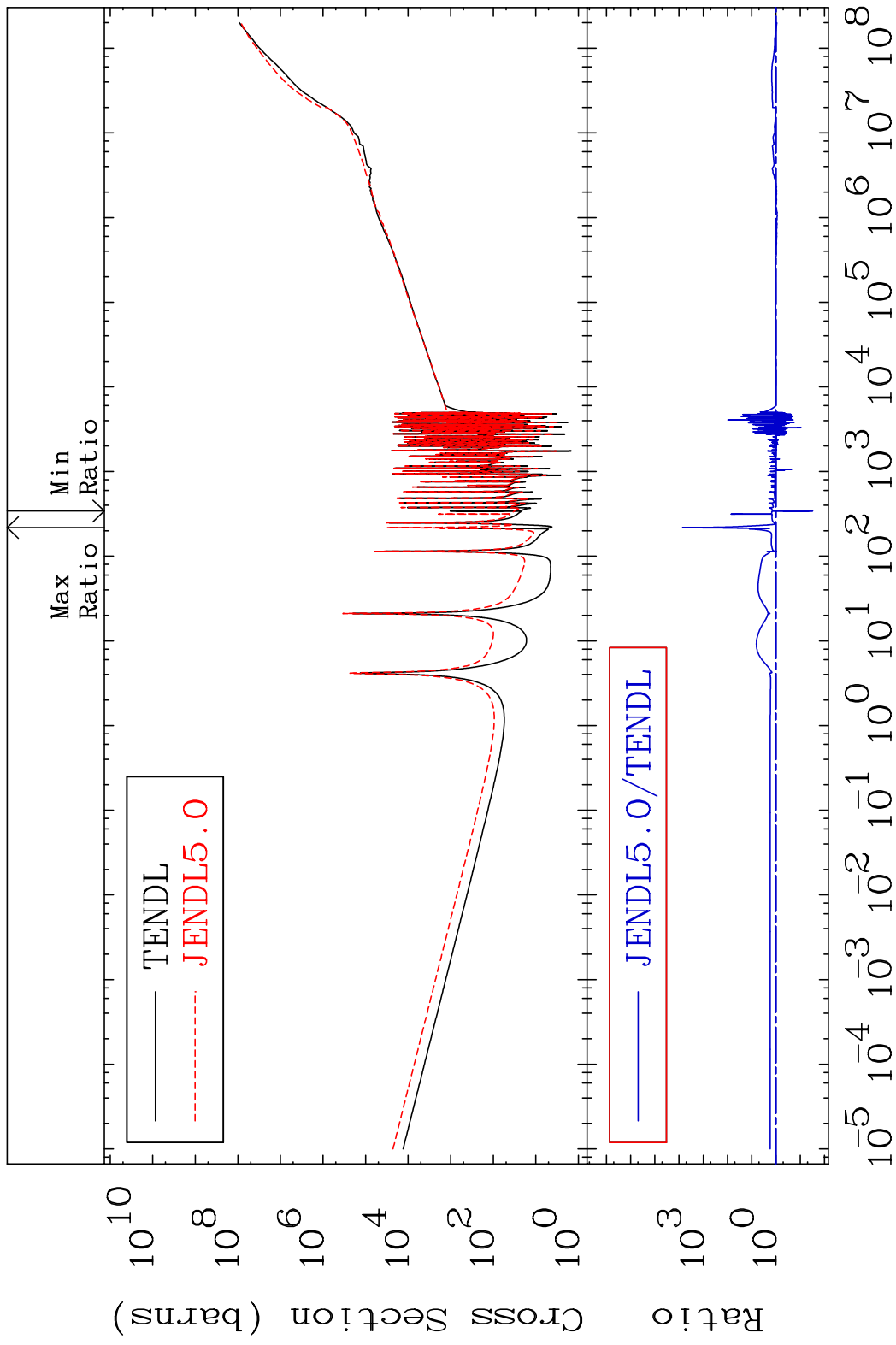
Total photon (eV-barns) 74-W -182
Cross Section -99.97 To 9999. %



60

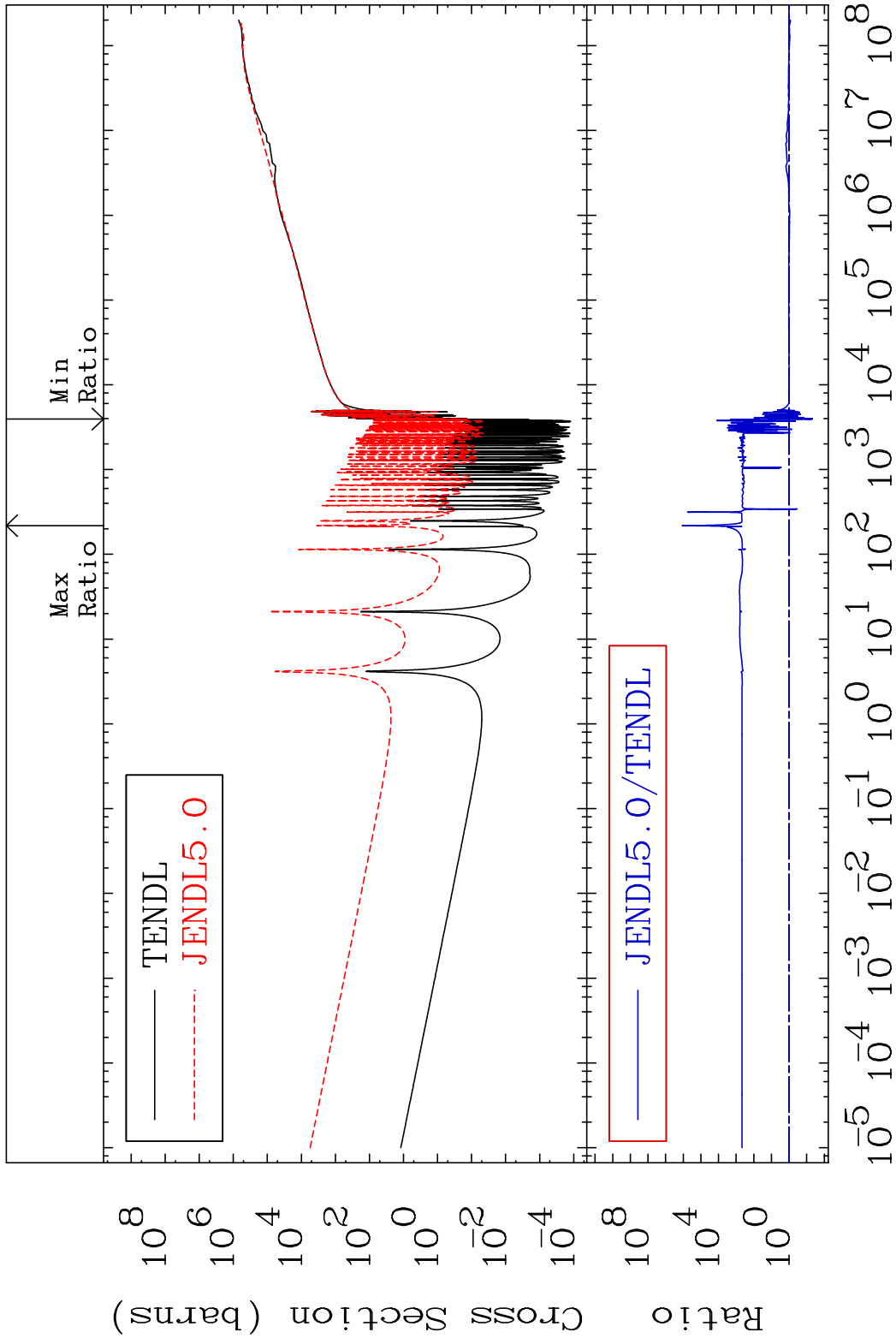
Incident Energy (eV) 74-W -182

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

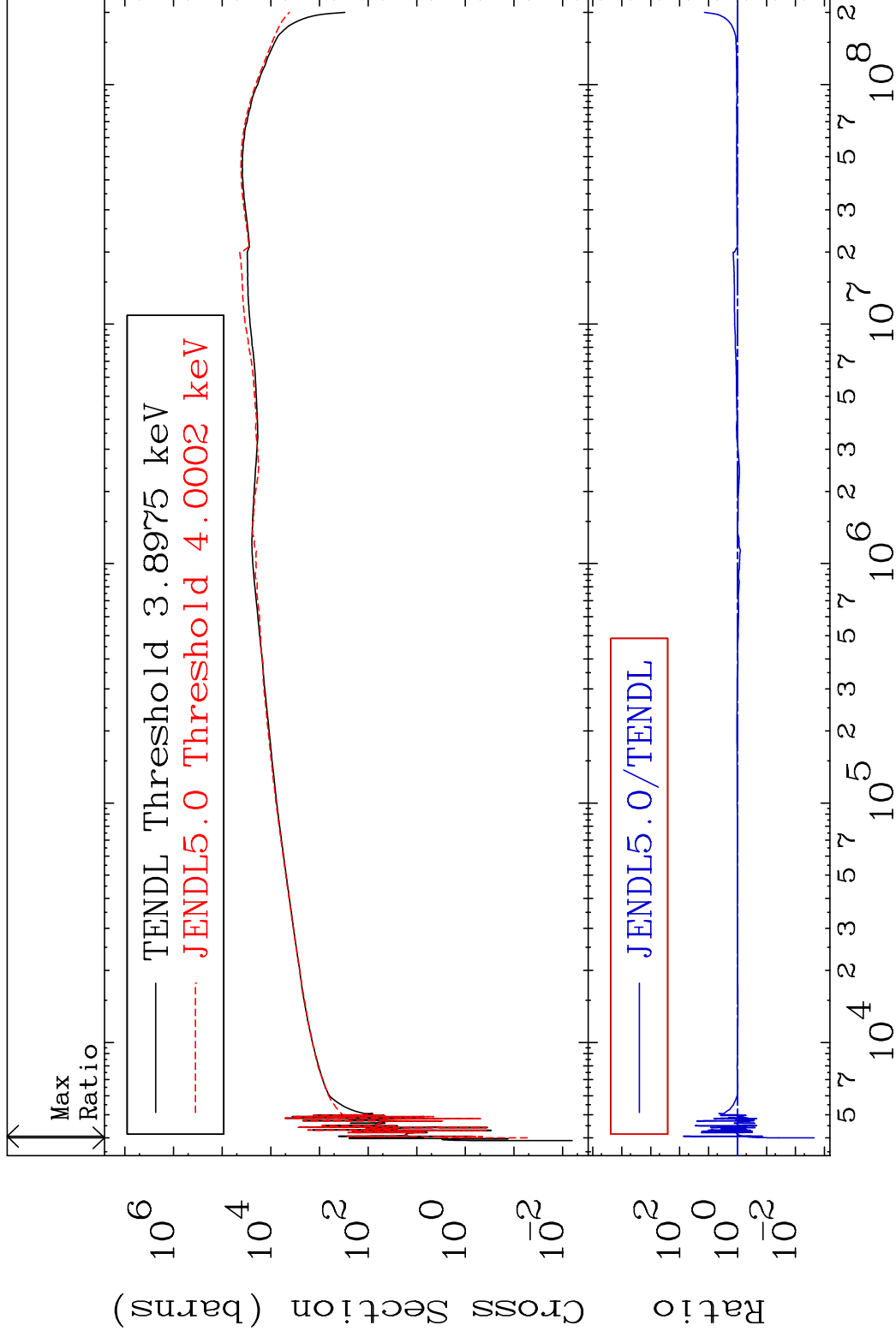
Incident Energy (eV) 74-W -182

MAT 7431

Dpa elastic (mt2)

74-W -182

Cross Section -99.77 To 7181. %

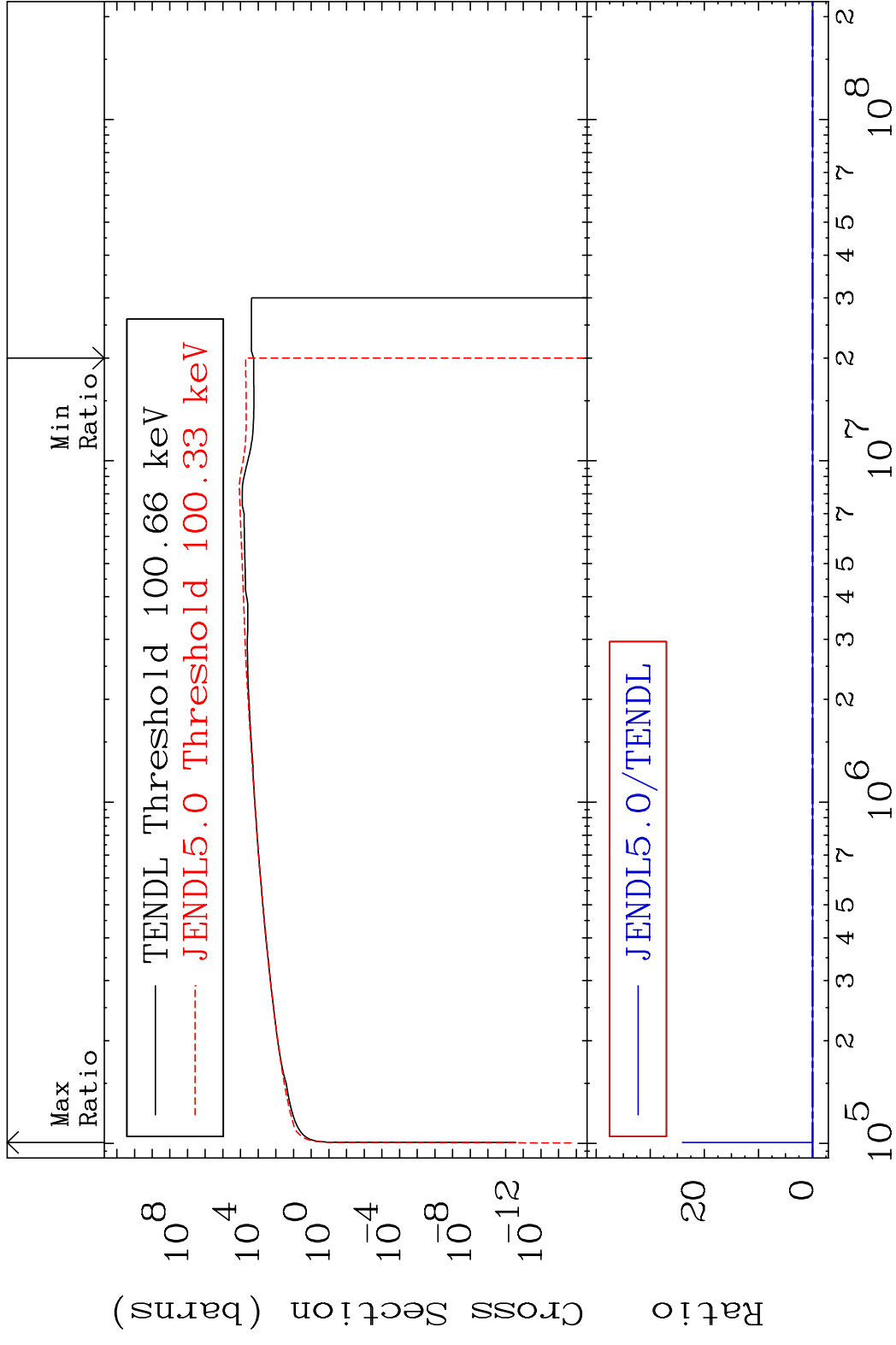


63

Incident Energy (eV)

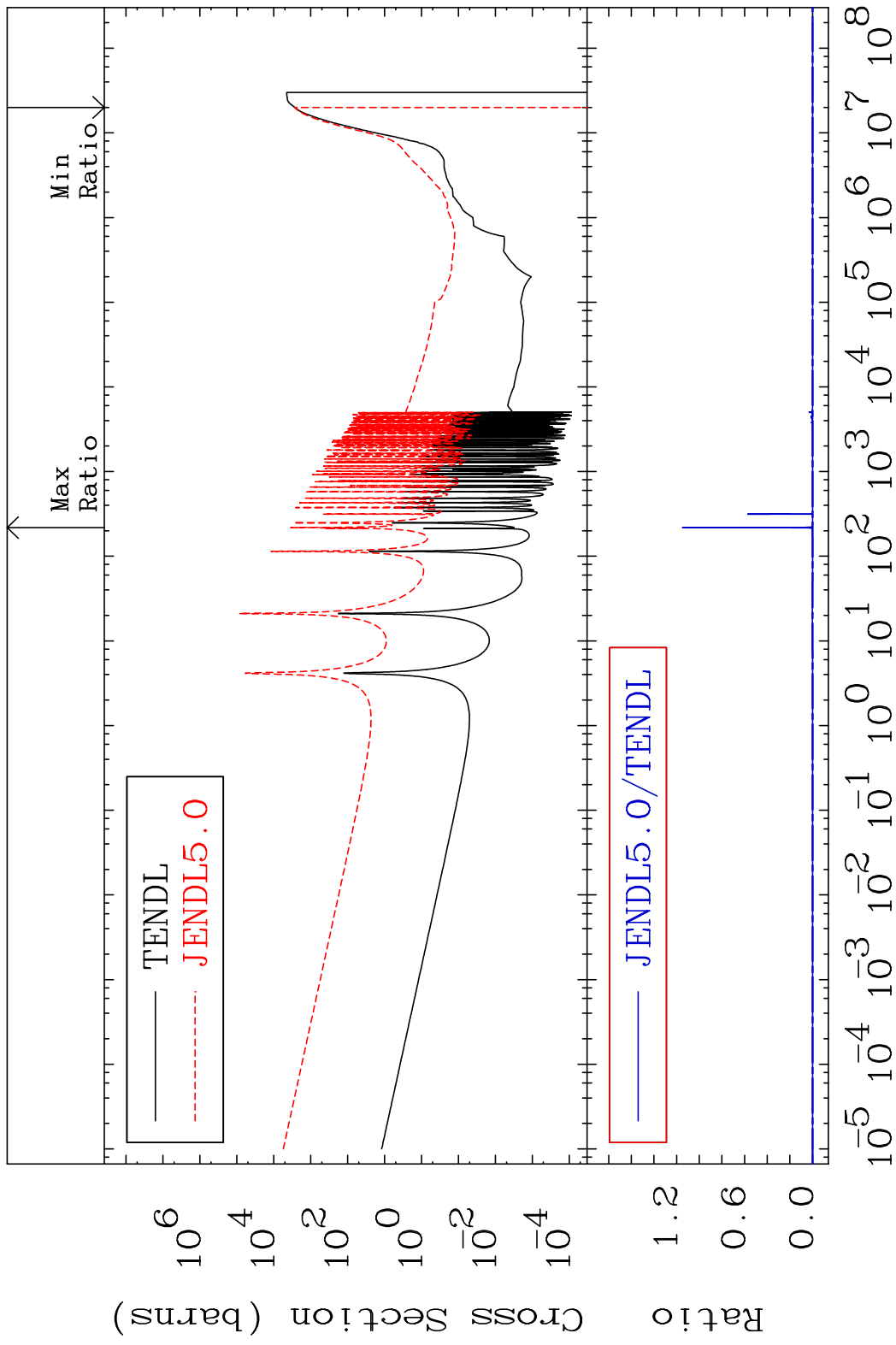
74-W -182

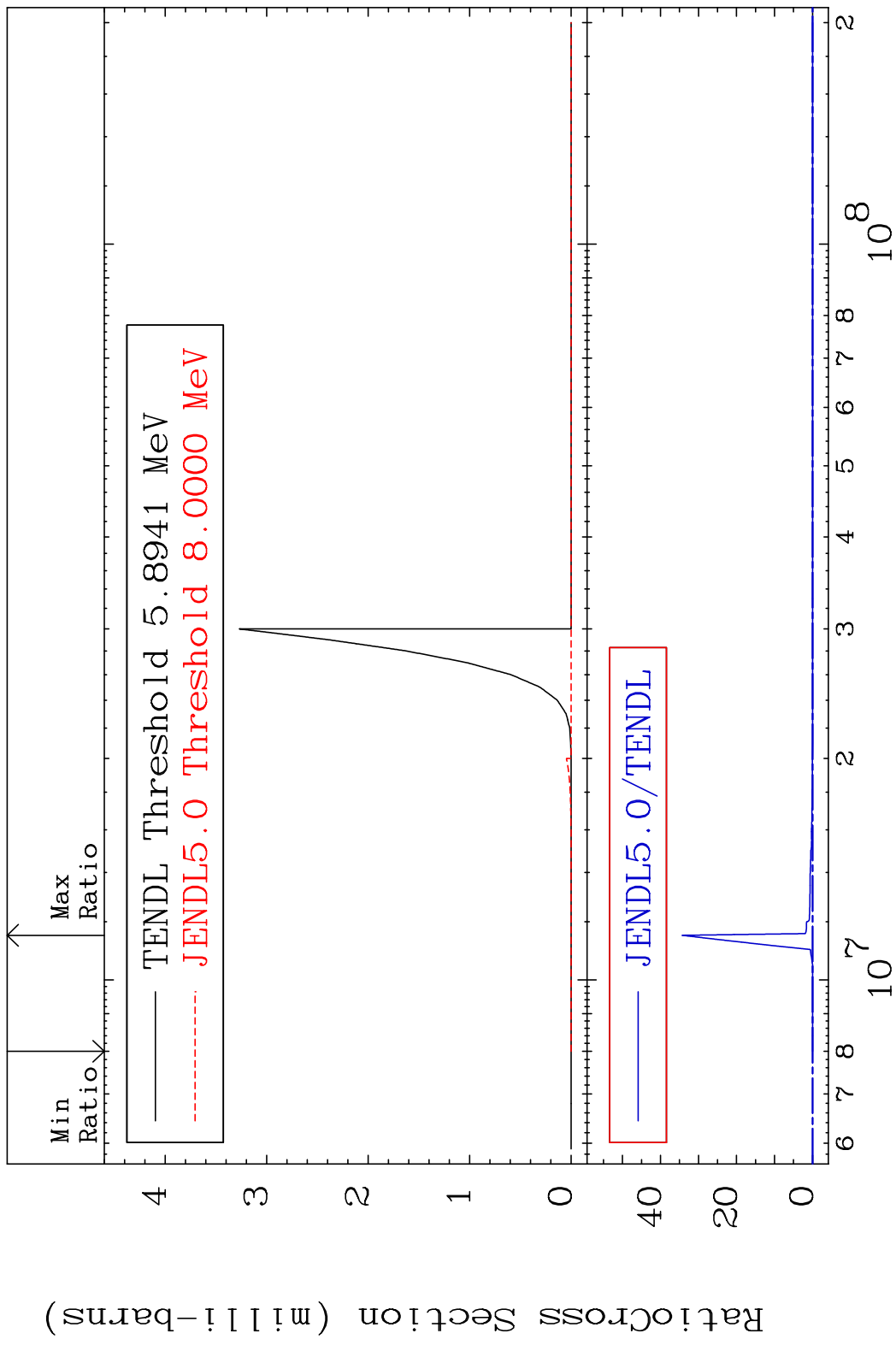
MAT 7431 Dpa inelastic (mt51-91) 74-W -182
 Cross Section -100.0 To 9999. %

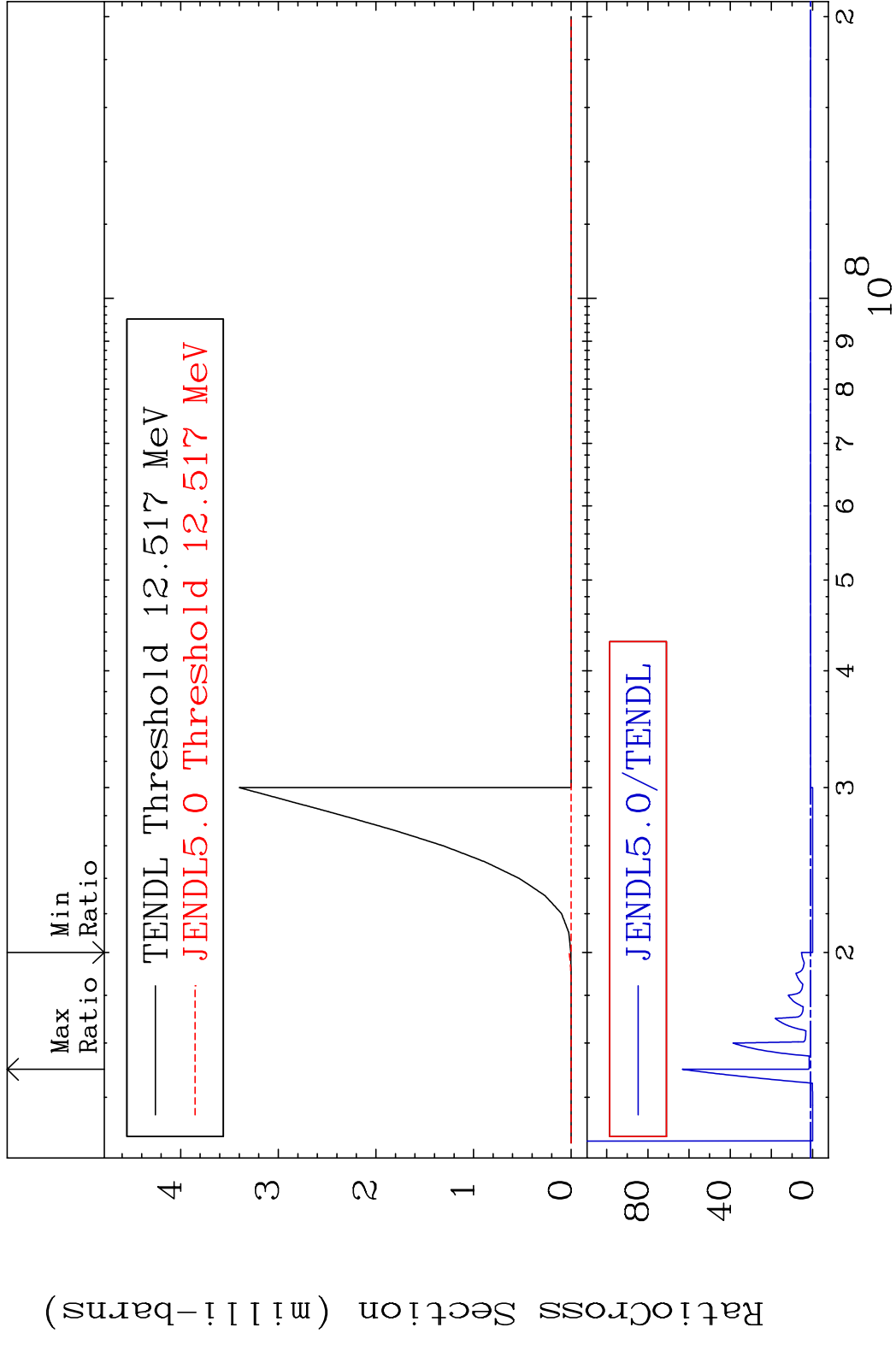


64 Incident Energy (eV) 74-W -182

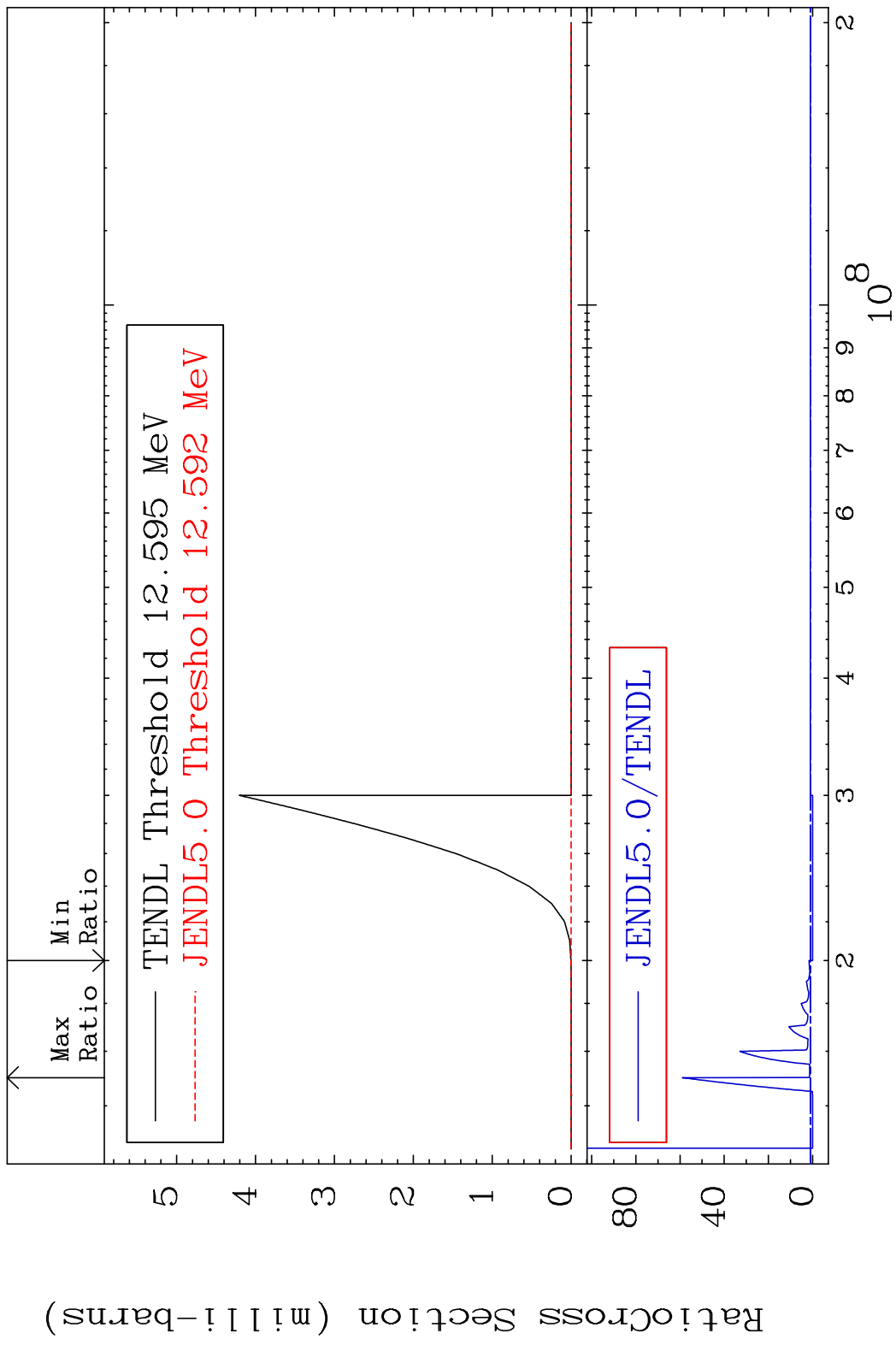
MAT 7431 Dpa disappearance (mt102 -120) 74-W -182
 Cross Section -100.0 To 9999. %



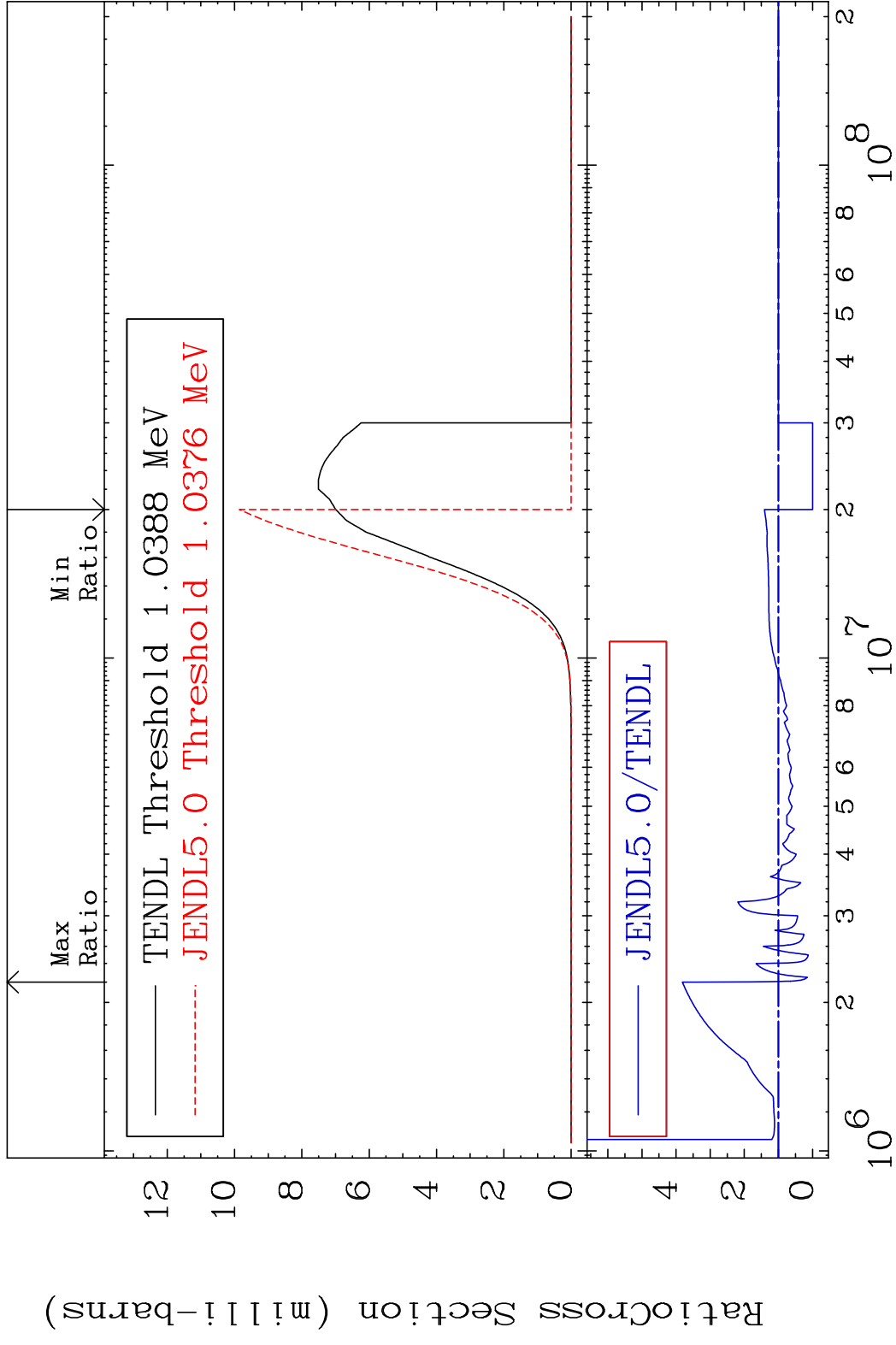




MAT 7431 (n, n') d:73-Ta-180m2 74-W -182
 Radionuclide Production Cross Section 5794. %

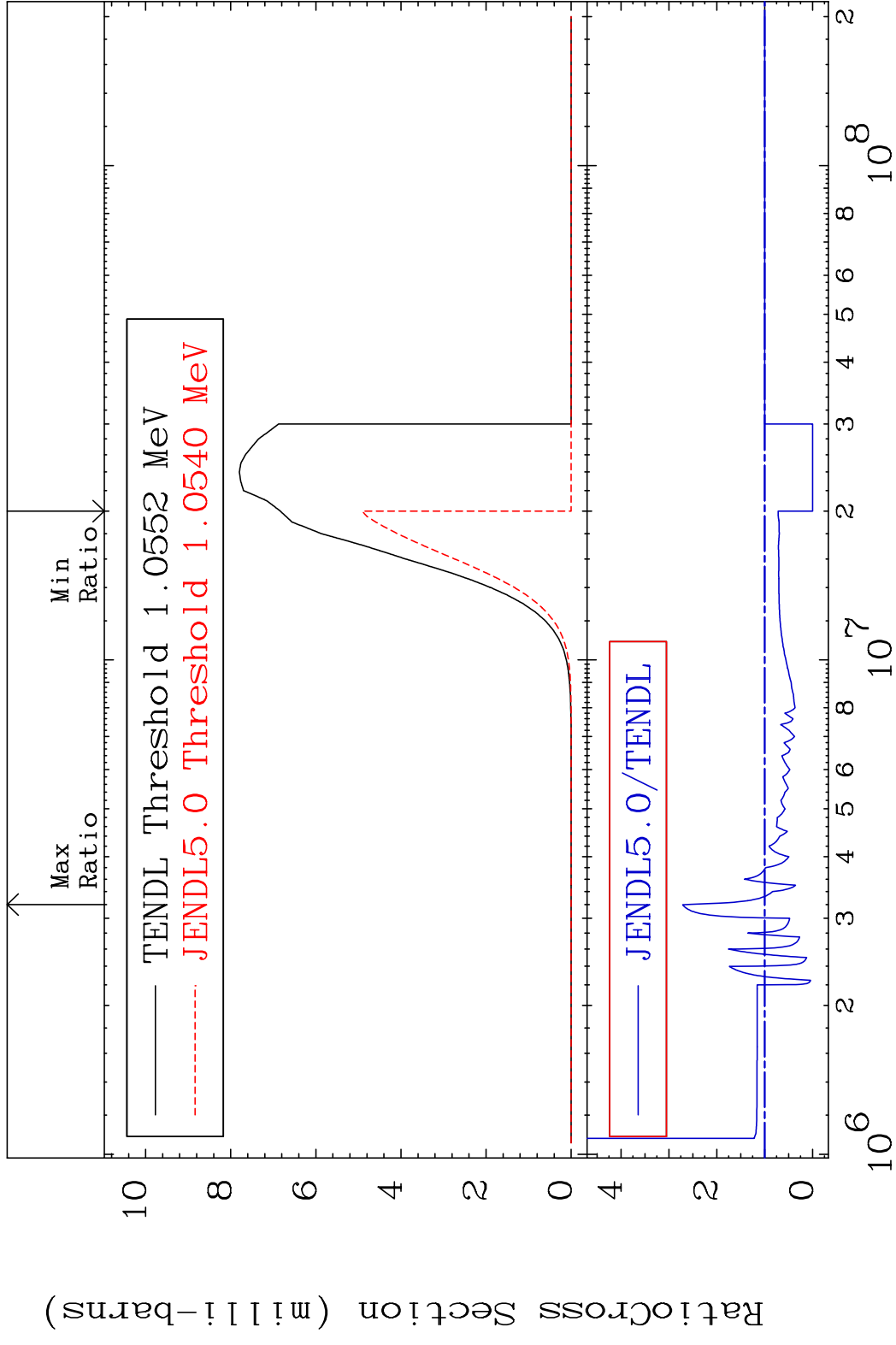


MAT 7431 (n,p):73-Ta-182g 74-W -182
 Radionuclide Production Cross Section 180.01 dth 281.5 %



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

