

Program Complot
(Version 2021-1)

by

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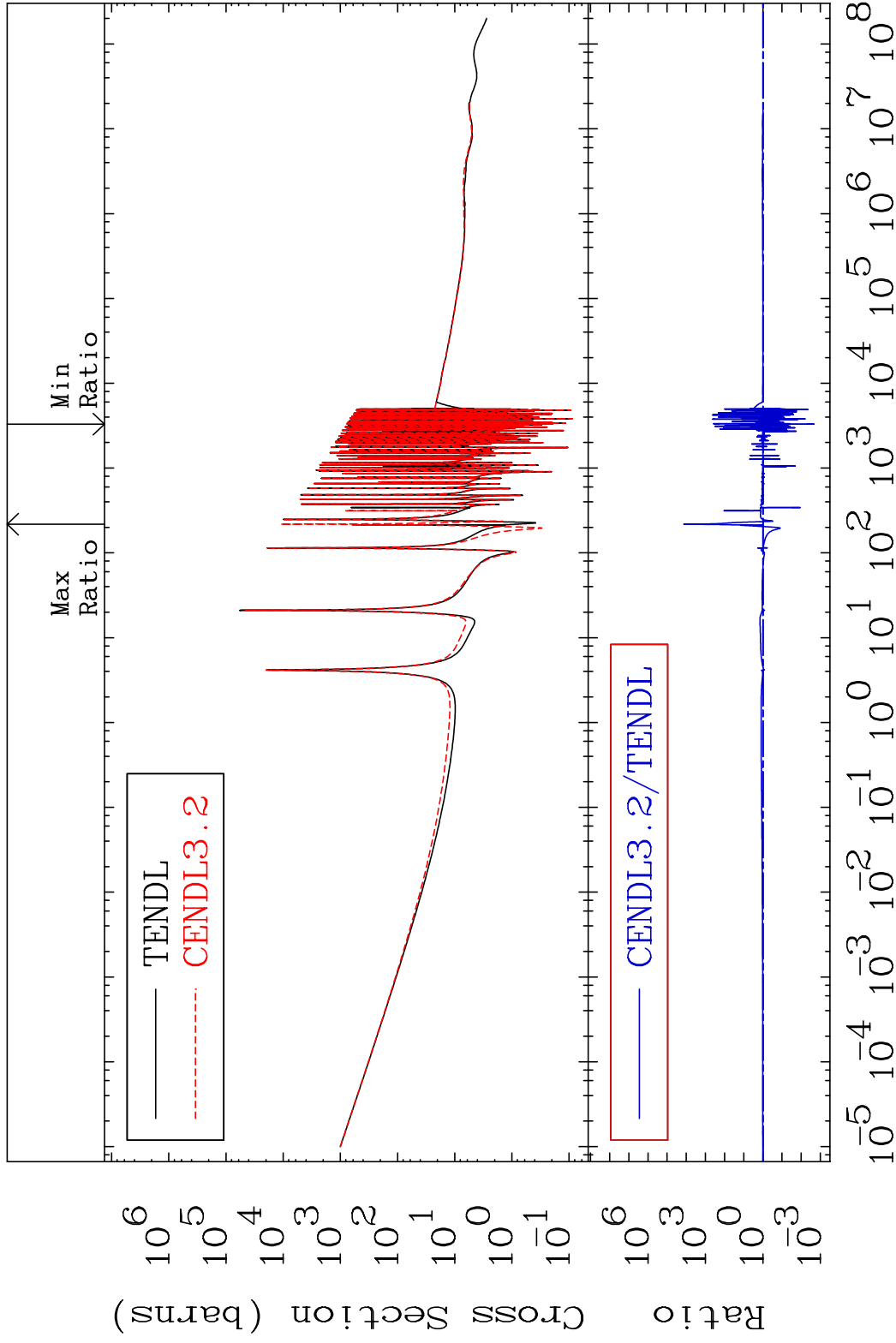
Press Mouse Button to Start

MAT 7431

Total

74-W -182

Cross Section -99.79 To 9999. %



1

Incident Energy (eV)

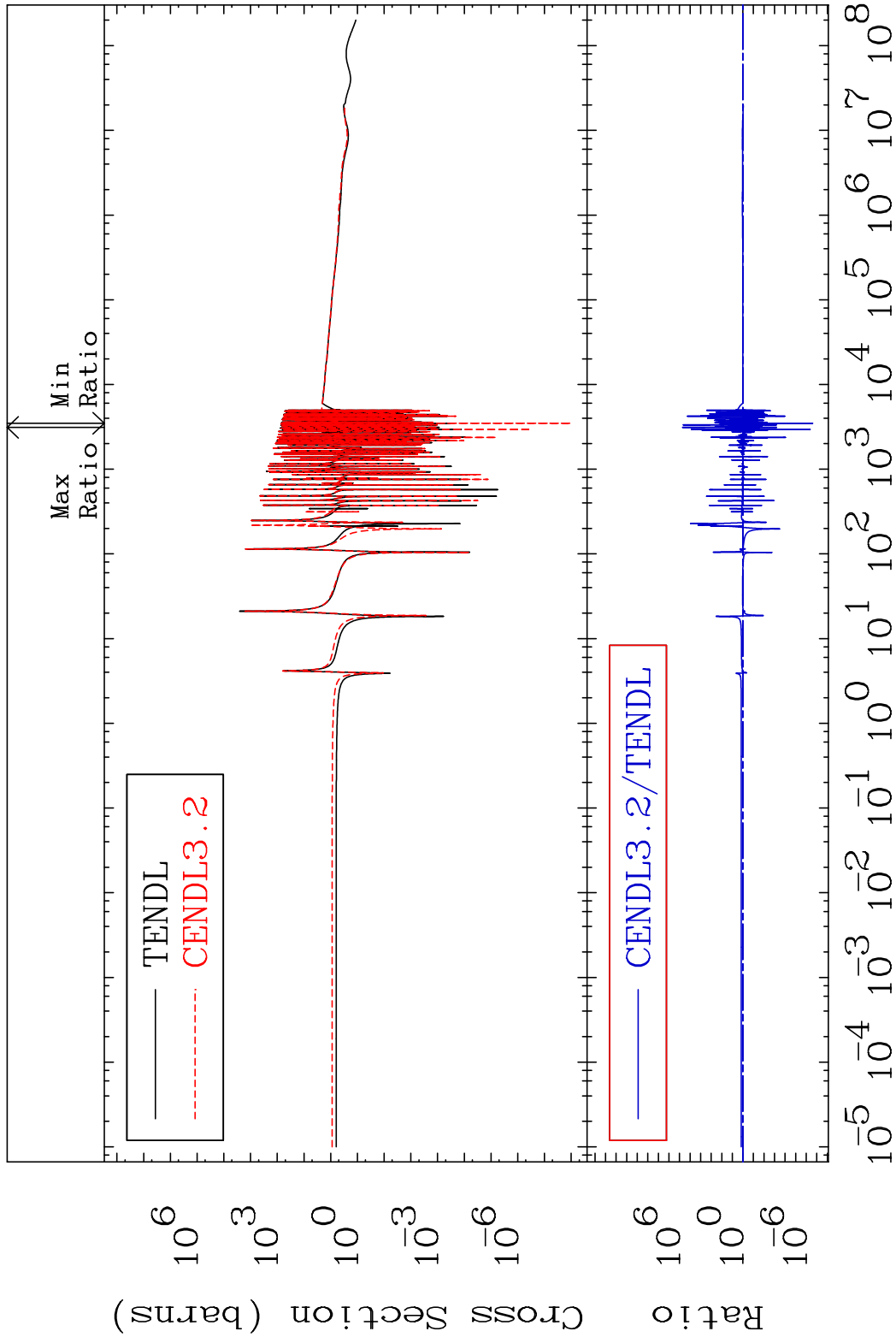
74-W -182

MAT 7431

Elastic

74-W -182

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

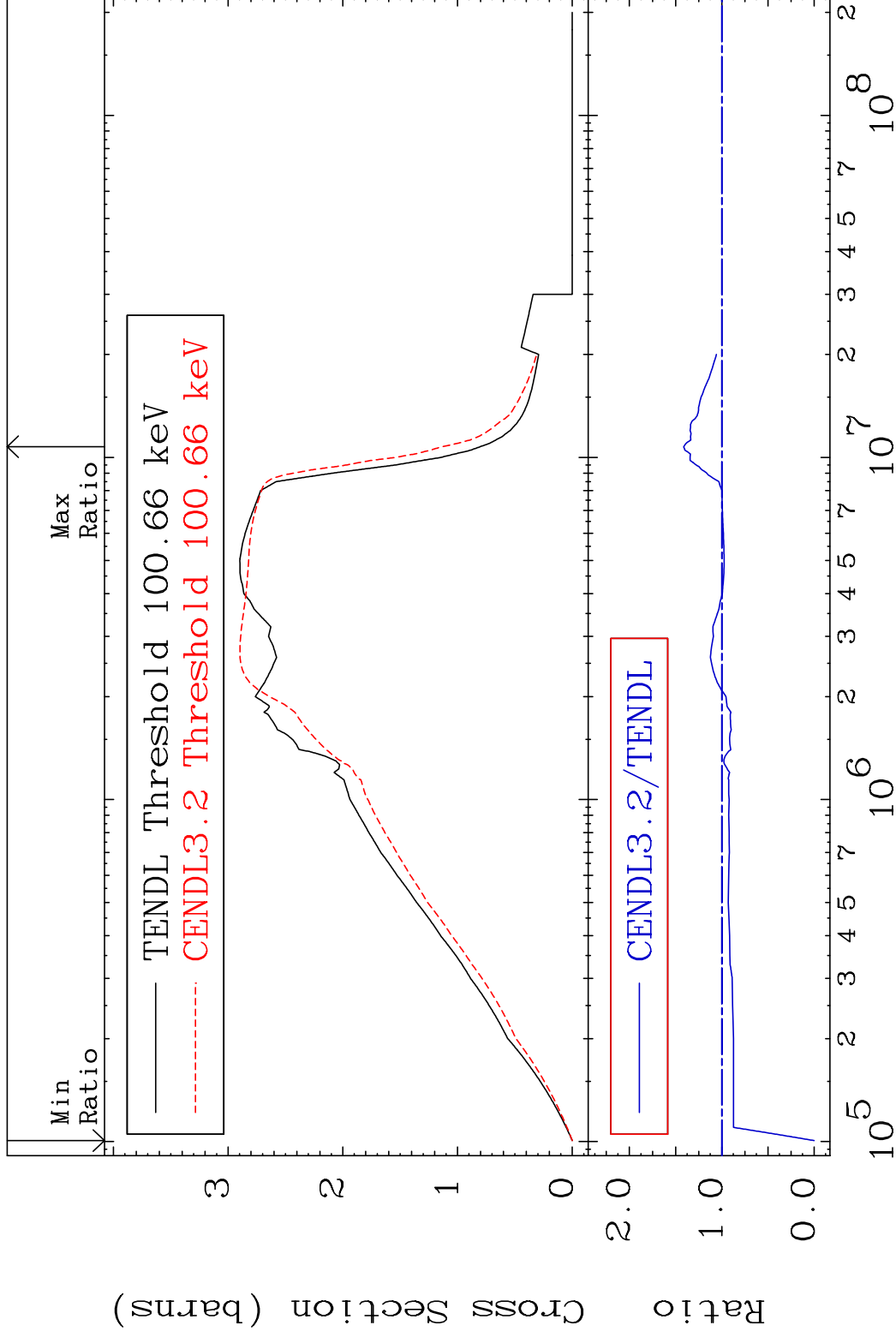
74-W -182

MAT 7431

Inelastic

74-W -182

Cross Section -100.0 To 41.27 %



3

Incident Energy (eV)

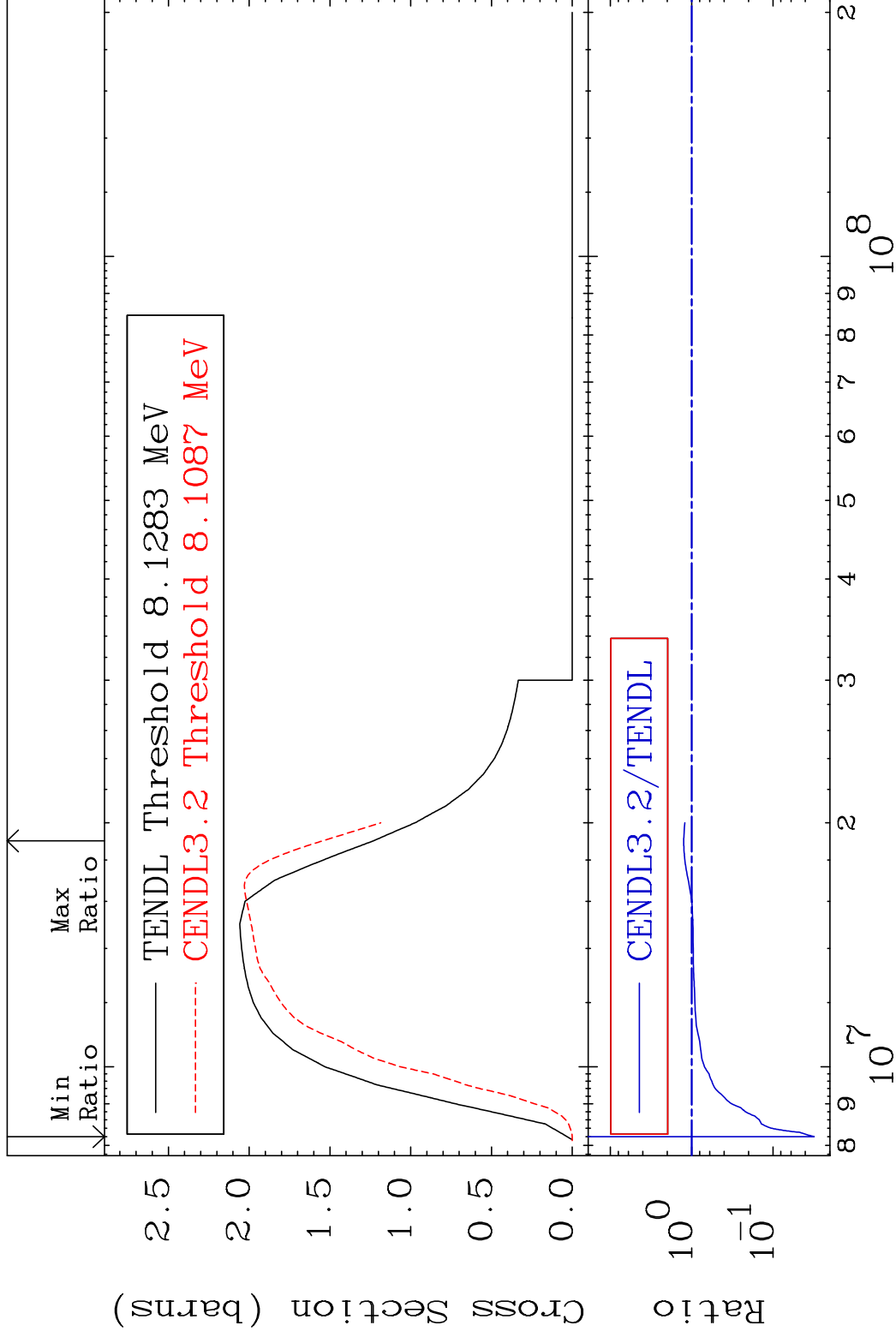
74-W -182

MAT 7431

(n,2n)

74-W -182

Cross Section -96.88 To 25.62 %



4

Incident Energy (eV)

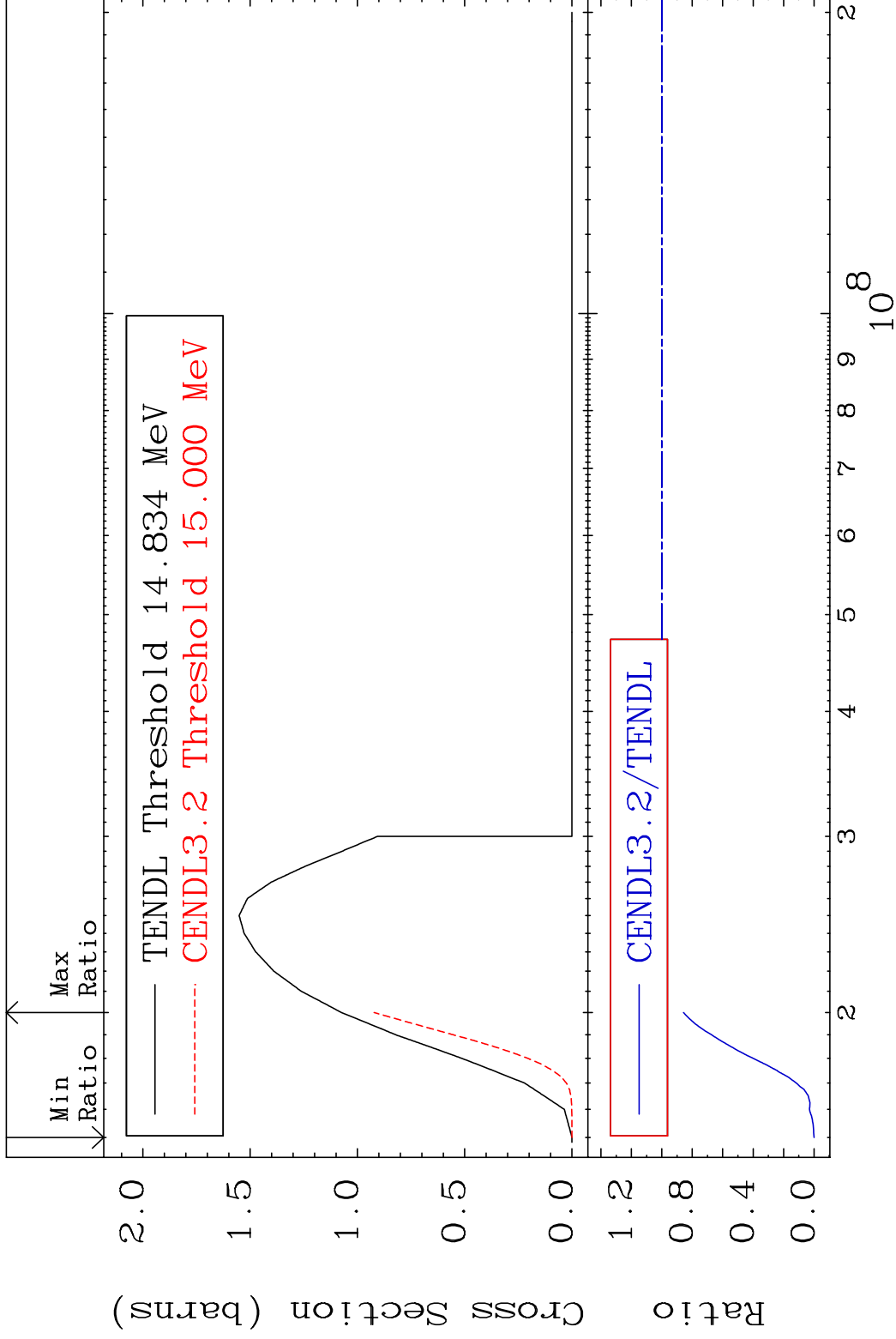
74-W -182

MAT 7431

(n,3n)

74-W -182

Cross Section -100.0 To -14.22%



5

Incident Energy (eV)

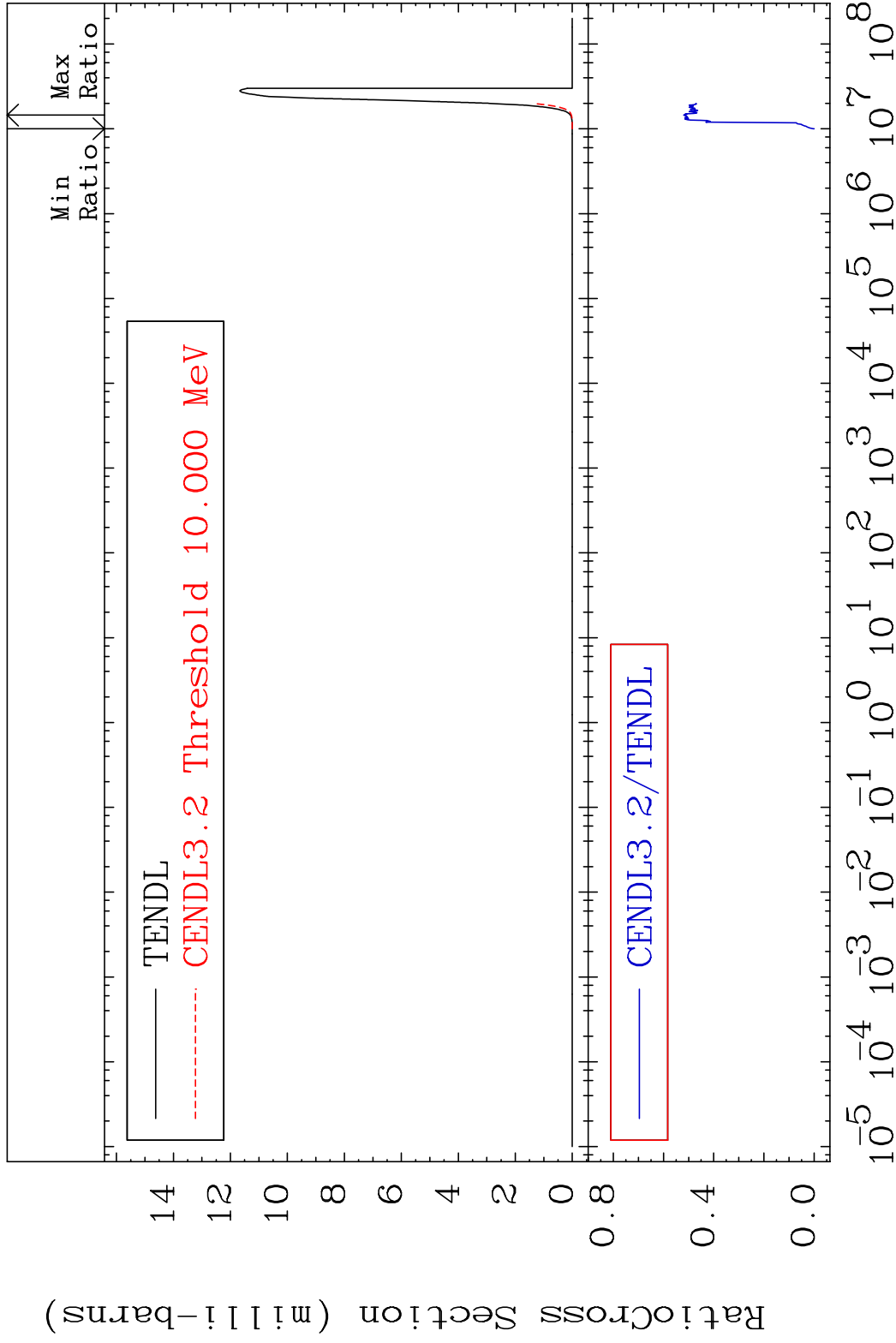
74-W -182

MAT 7431

(n, n') α

74-W -182

Cross Section -100.0 To -48.03%



6

Incident Energy (eV)

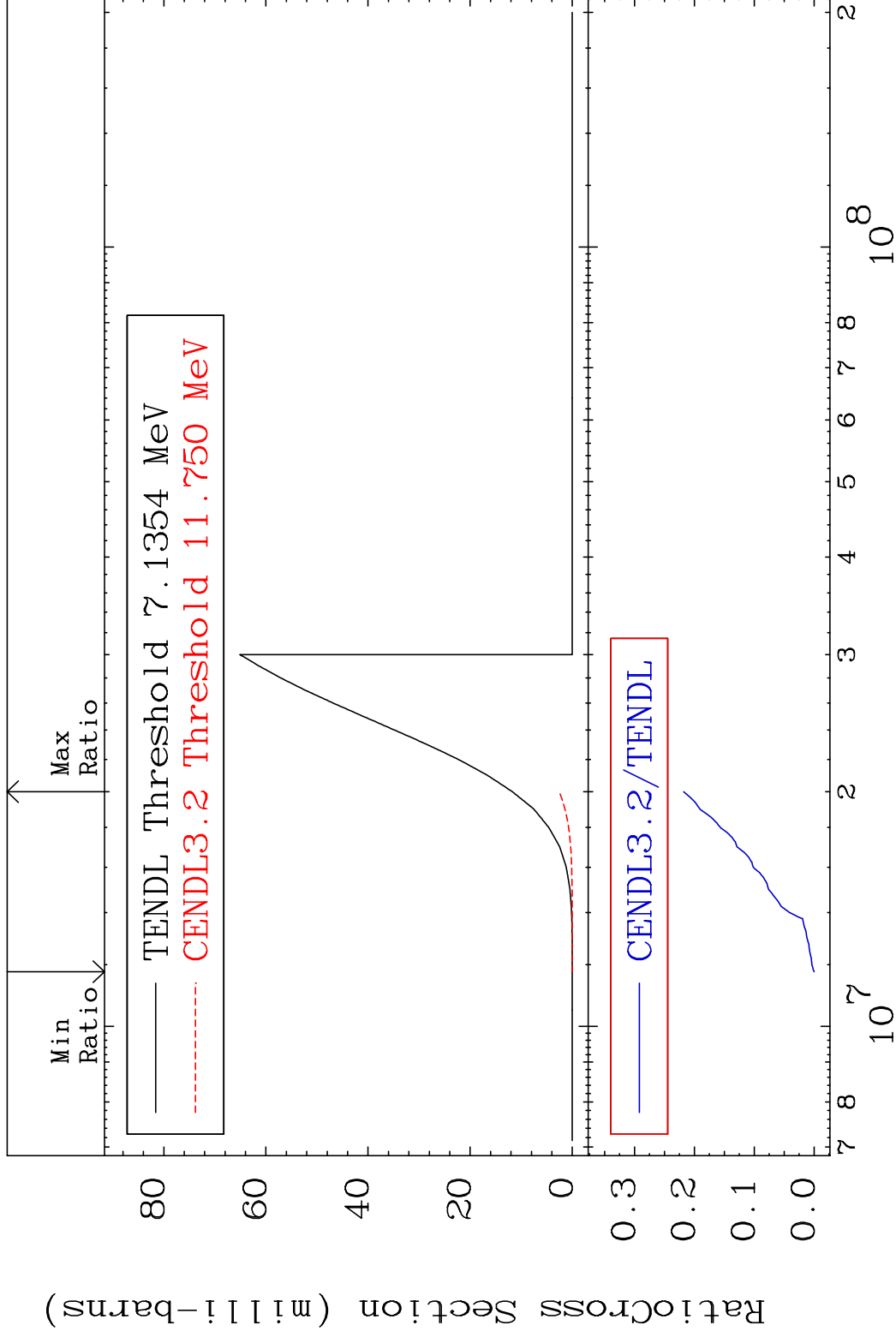
74-W -182

MAT 7431

(n, n') p

74-W -182

Cross Section -100.0 To -78.21%



7

Incident Energy (eV)

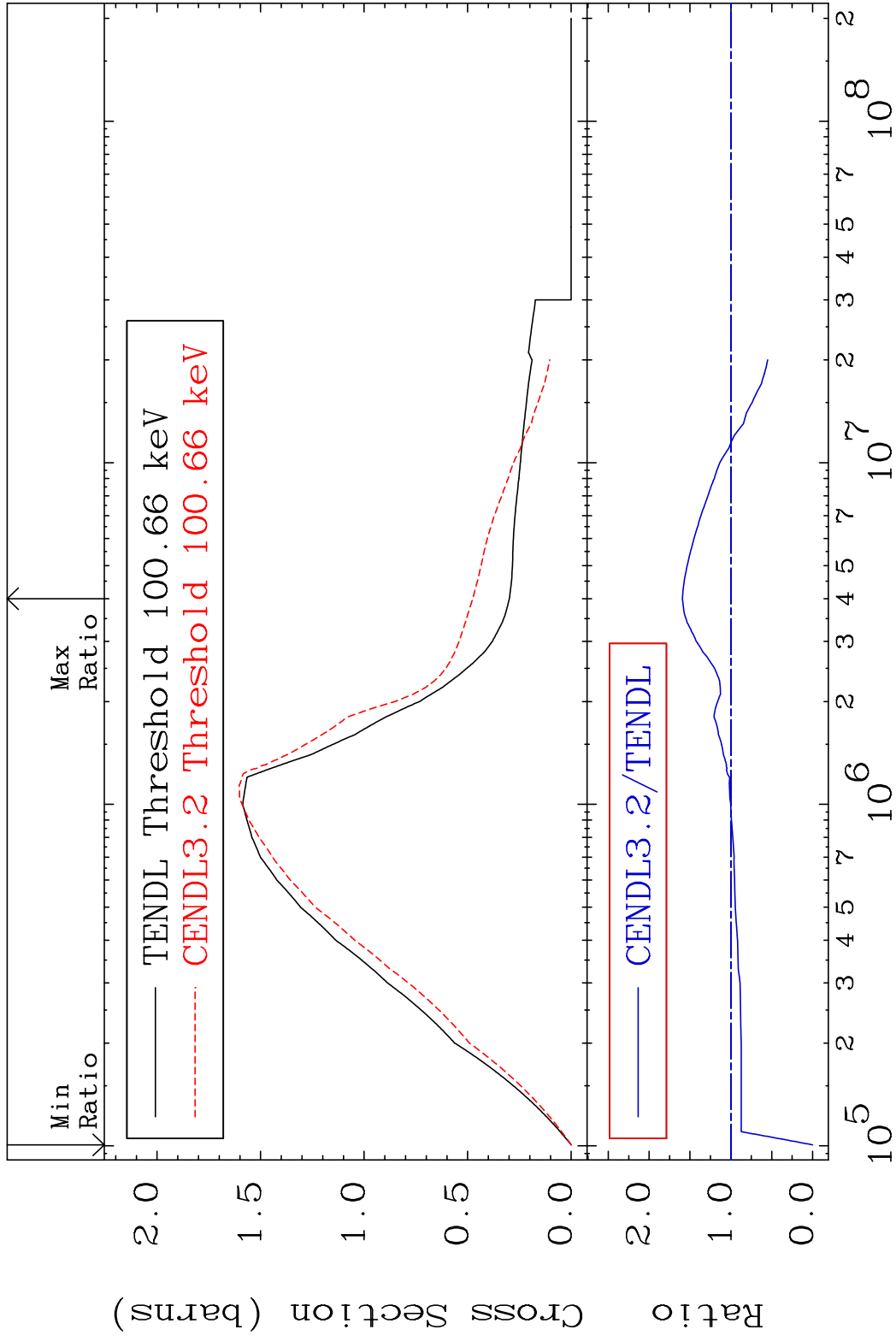
74-W -182

MAT 7431

MT= 51 (n, n') Level

74-W -182

Cross Section -100.0 To 59.38 %

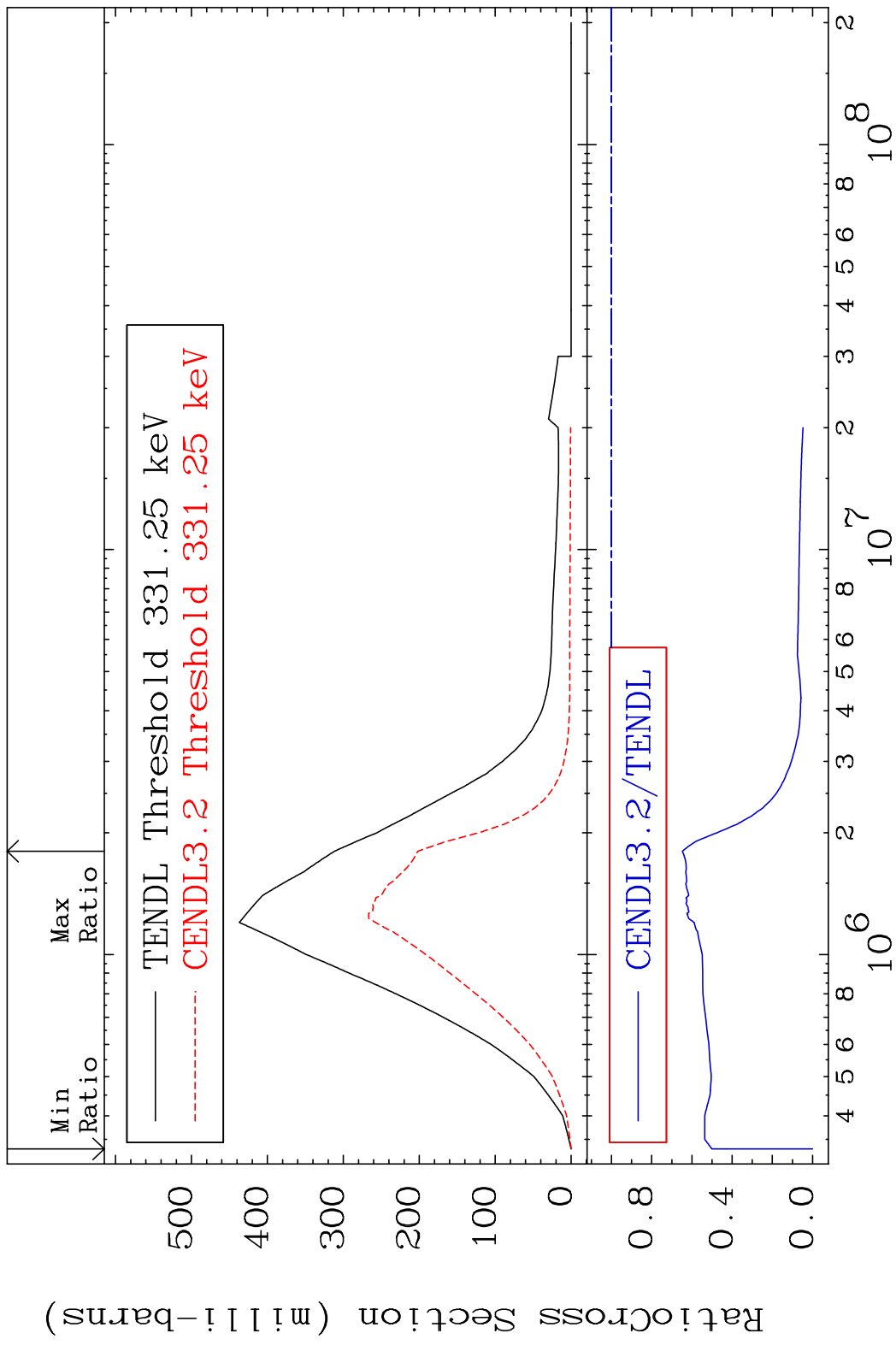


8

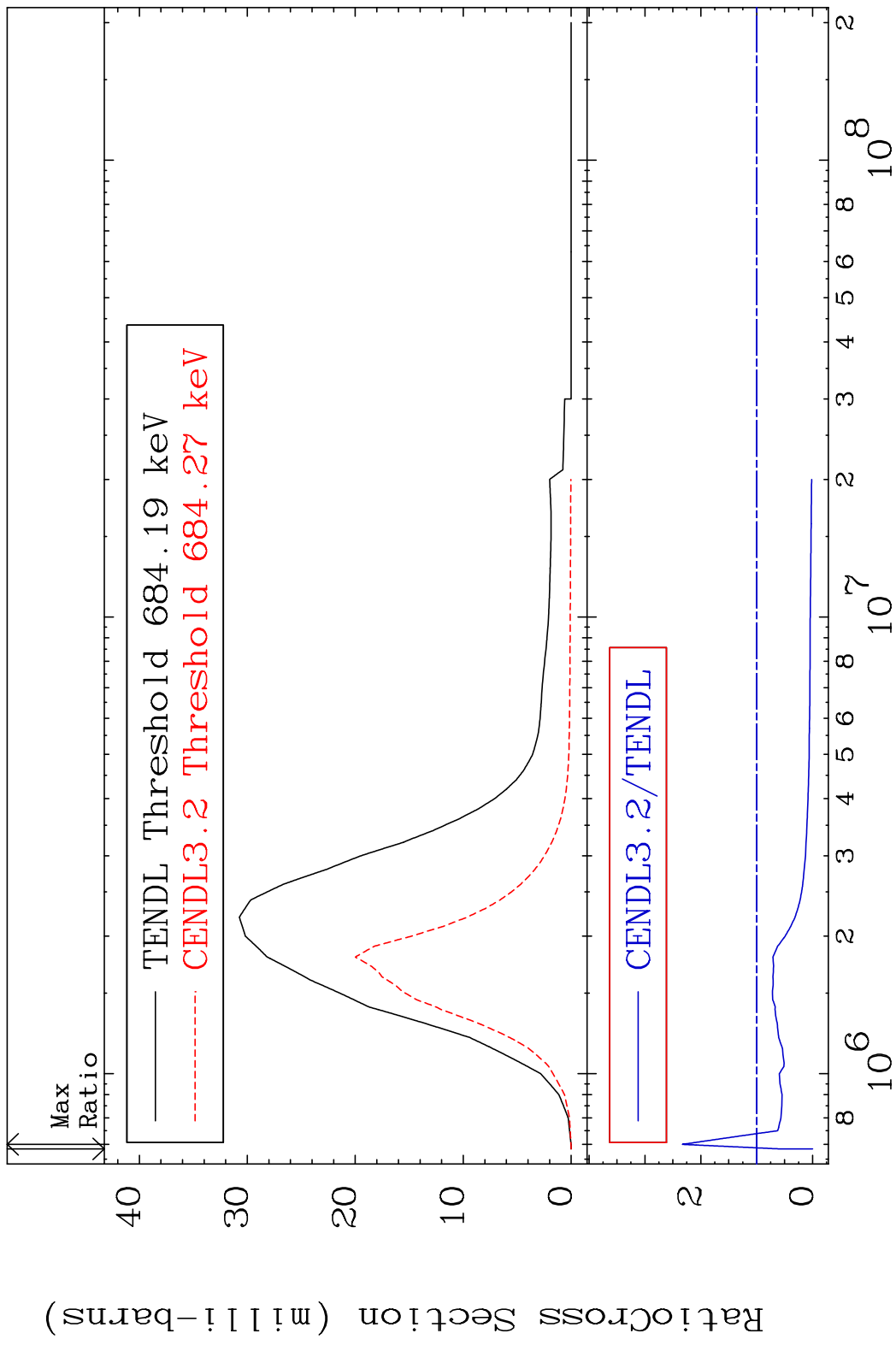
Incident Energy (eV)

74-W -182

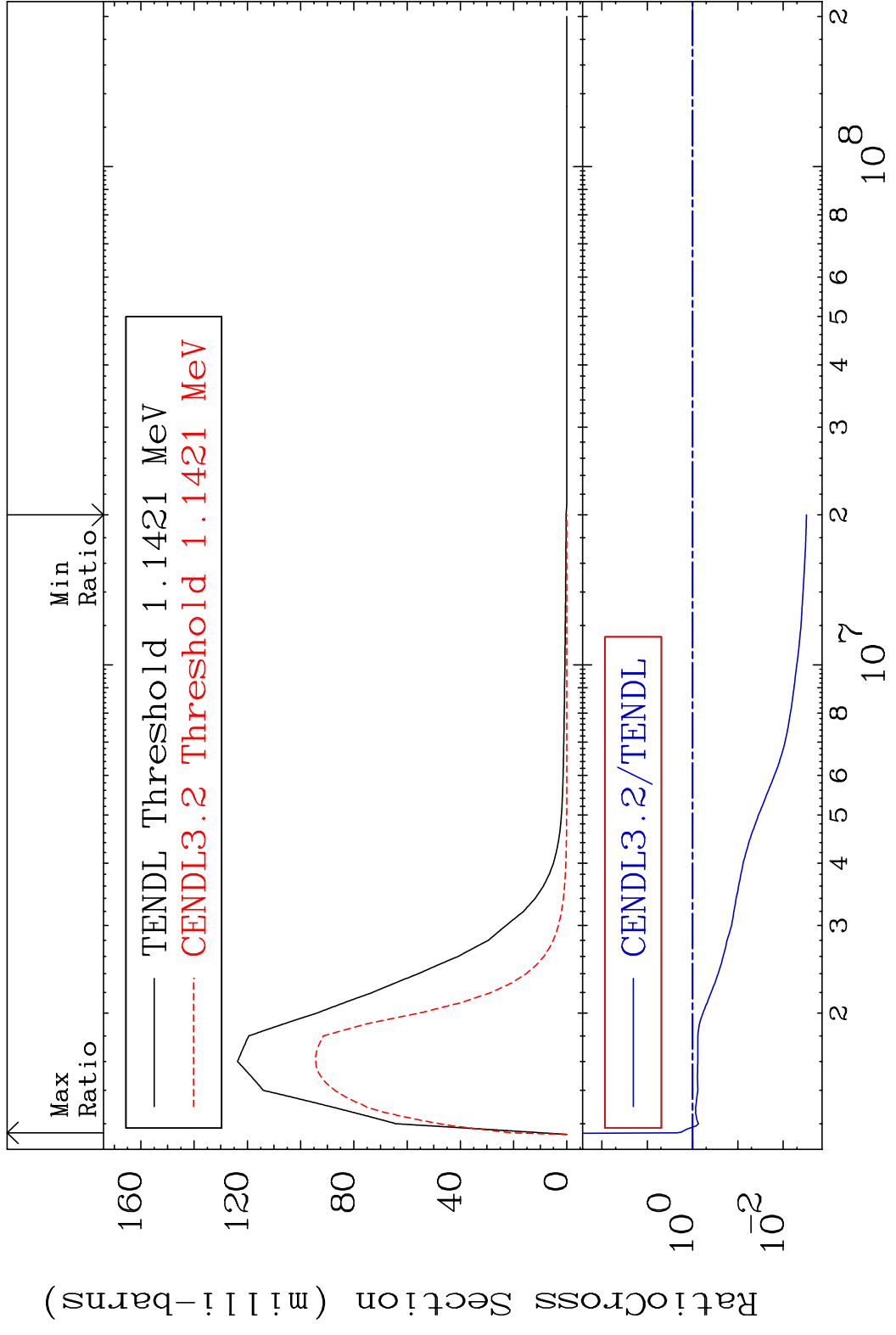
MAT 7431 MT= 52 (n,n') Level 74-W -182
 Cross Section -100.0 To -35.24%



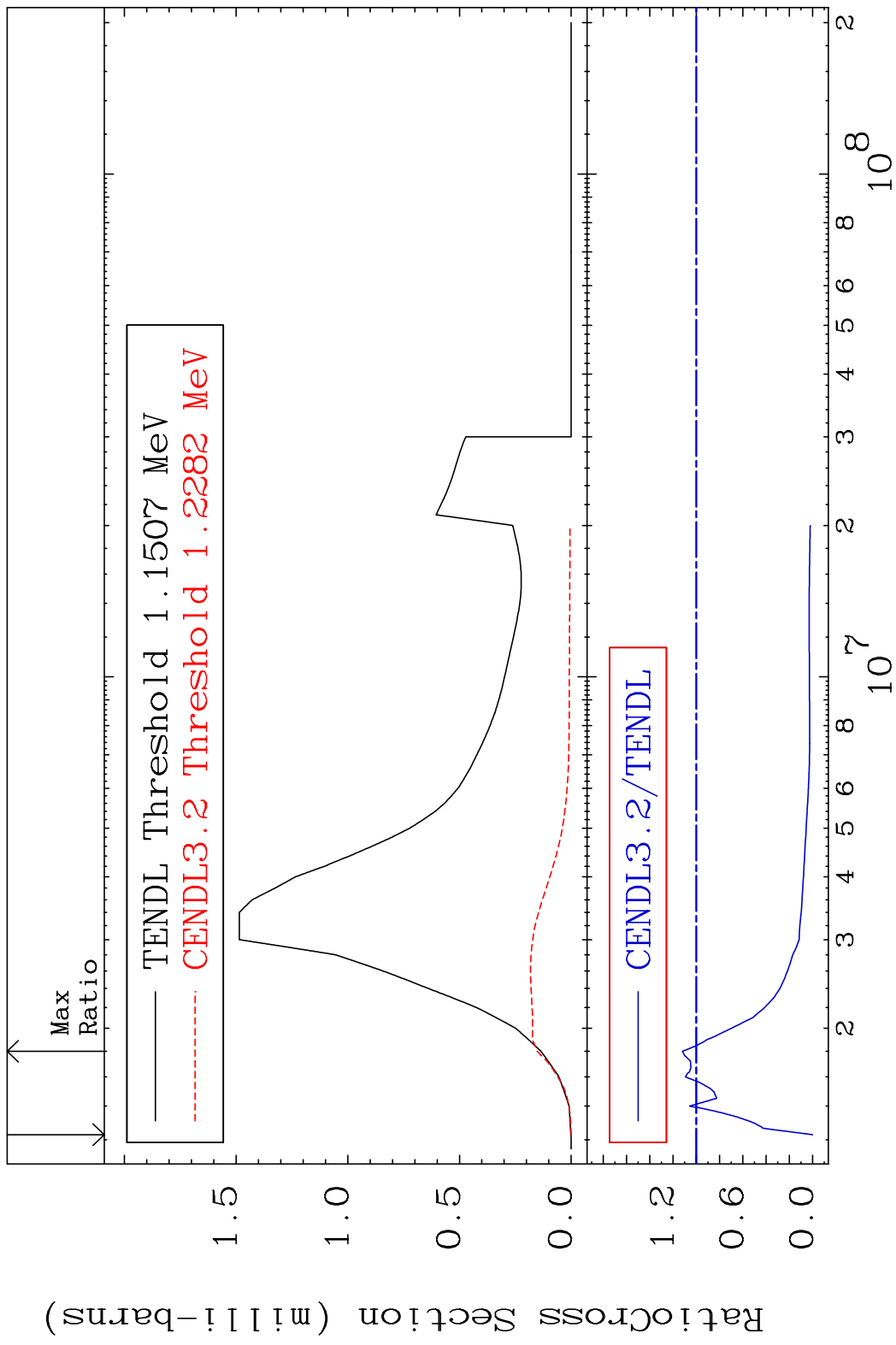
MAT 7431 MT= 53 (n,n') Level 74-W -182
 Cross Section -100.0 To 133.0 %



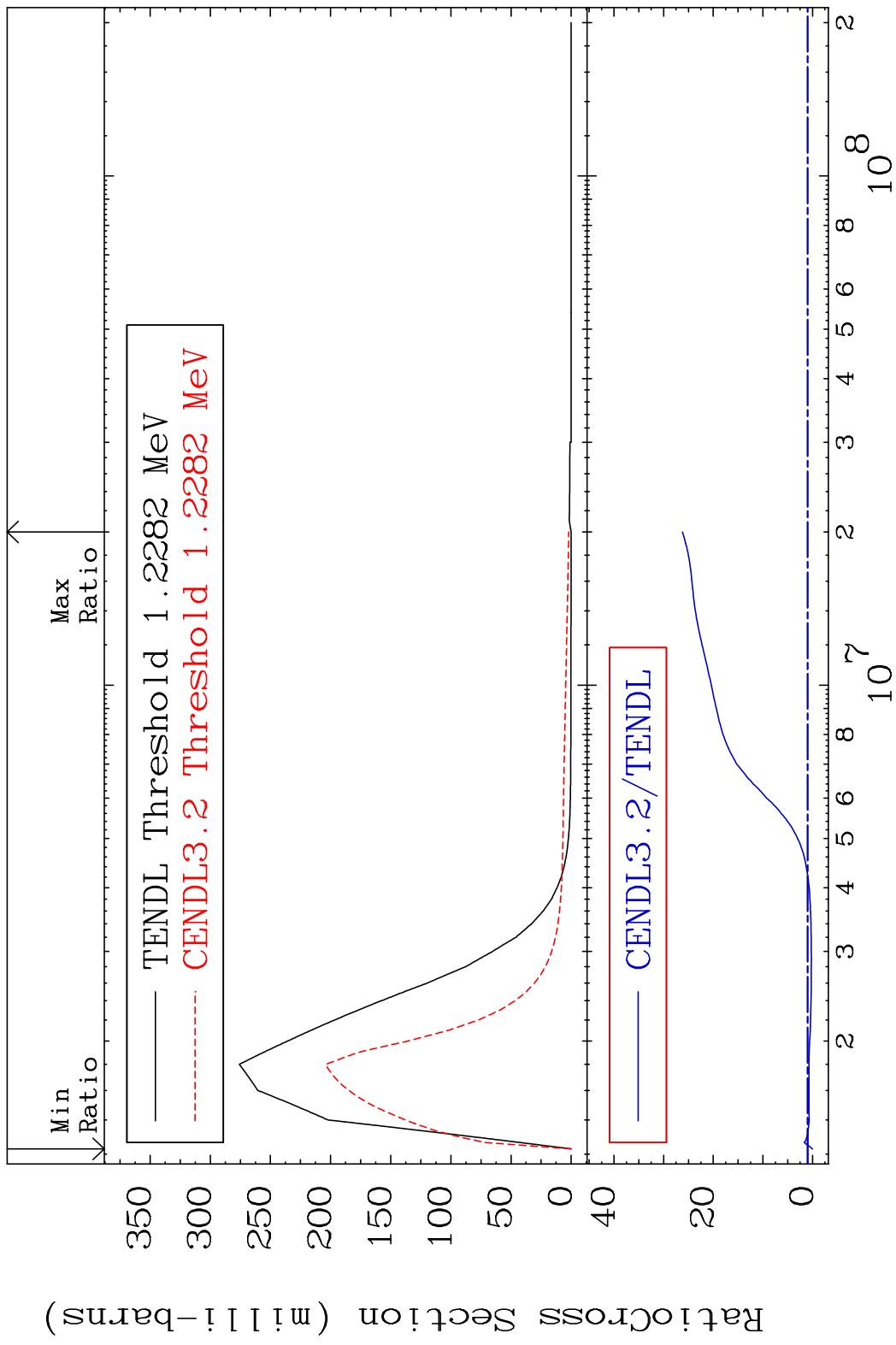
MAT 7431 MT= 54 (n, n') Level 74-W -182
 Cross Section -99.69 To 118.4 %



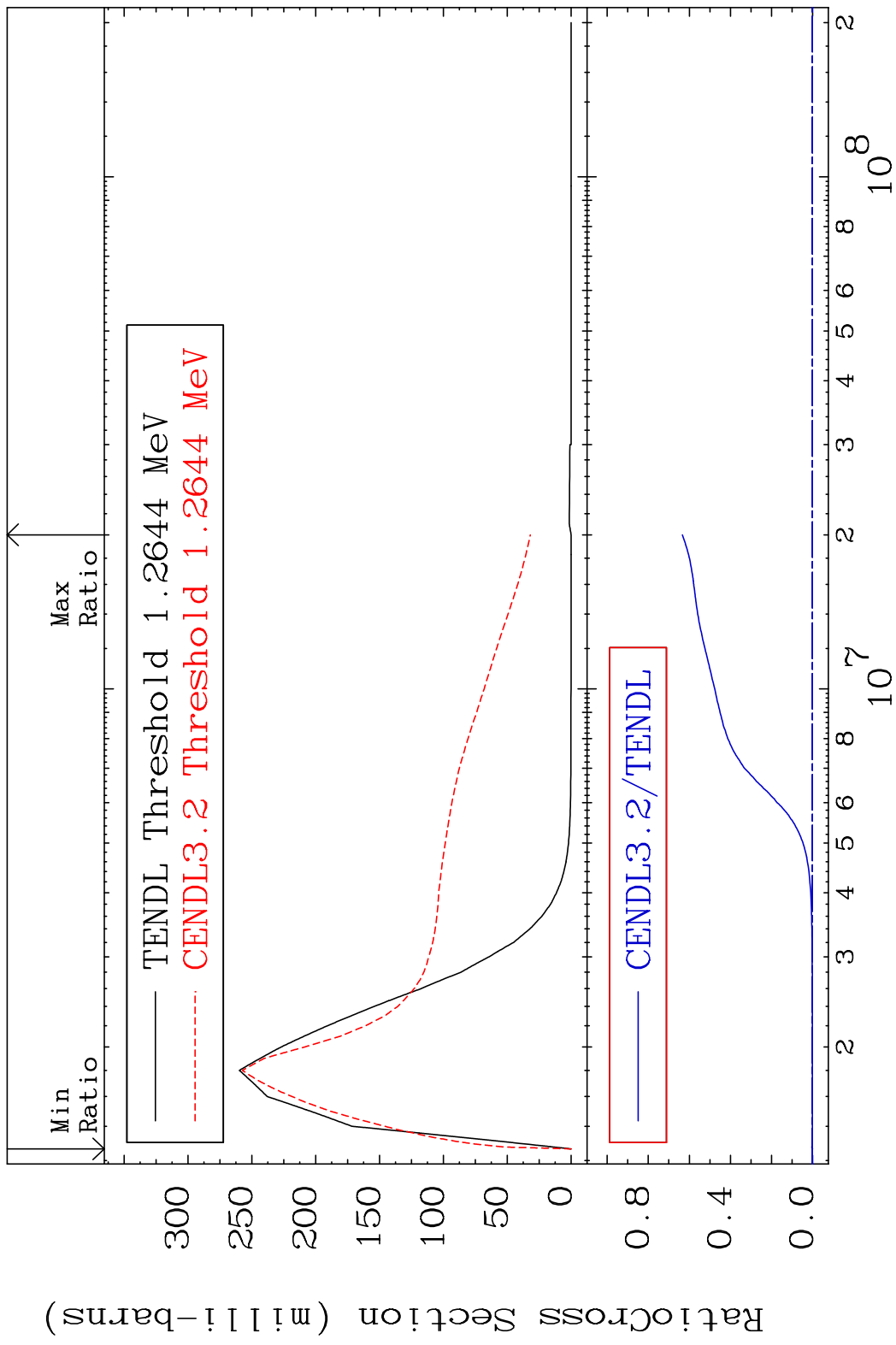
MAT 7431 MT= 55 (n,n') Level 74-W -182
 Cross Section -100.0 To 11.99 %



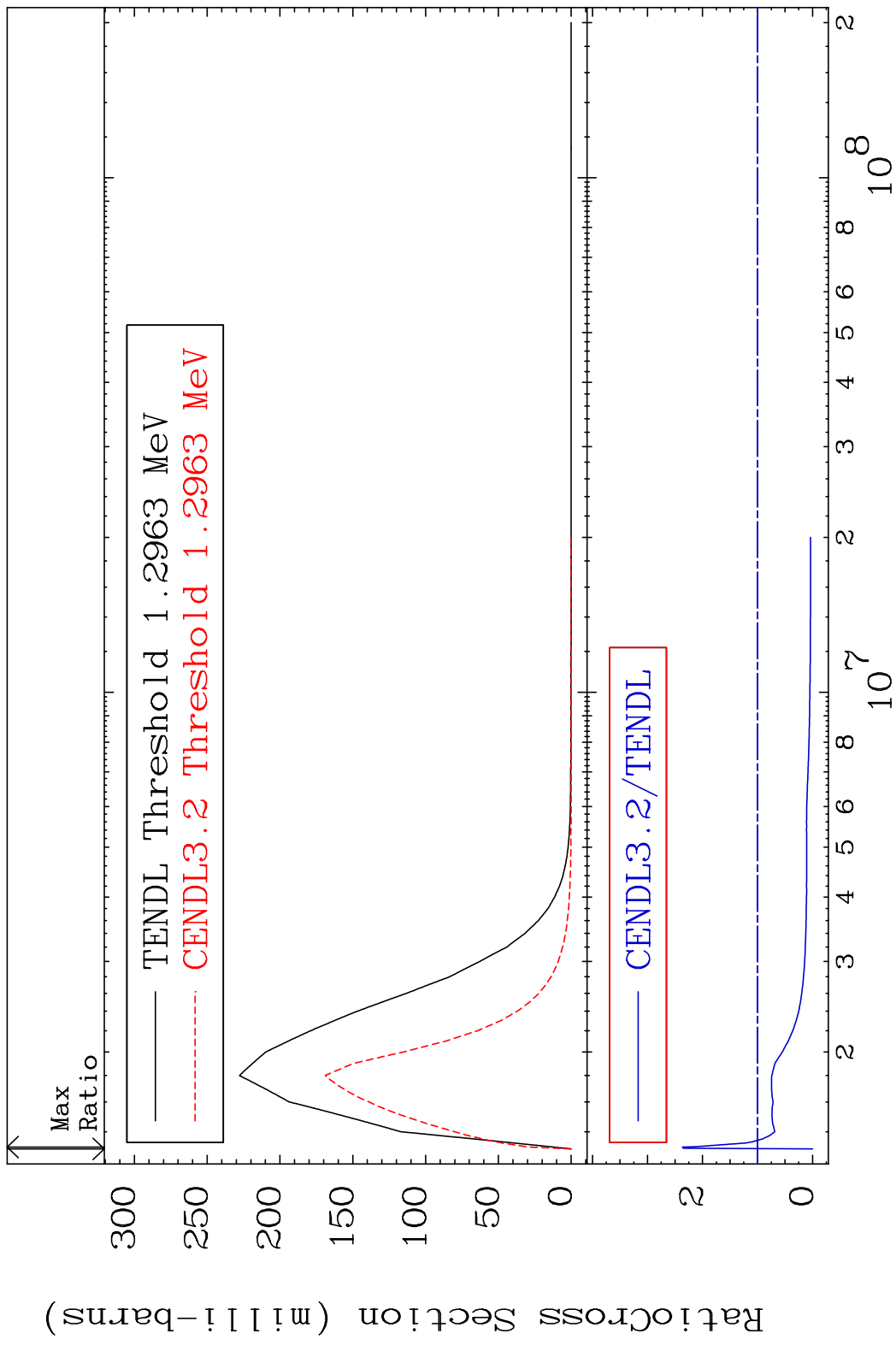
MAT 7431 MT= 56 (n, n') Level 74-W -182
 Cross Section -100.0 To 2523. %



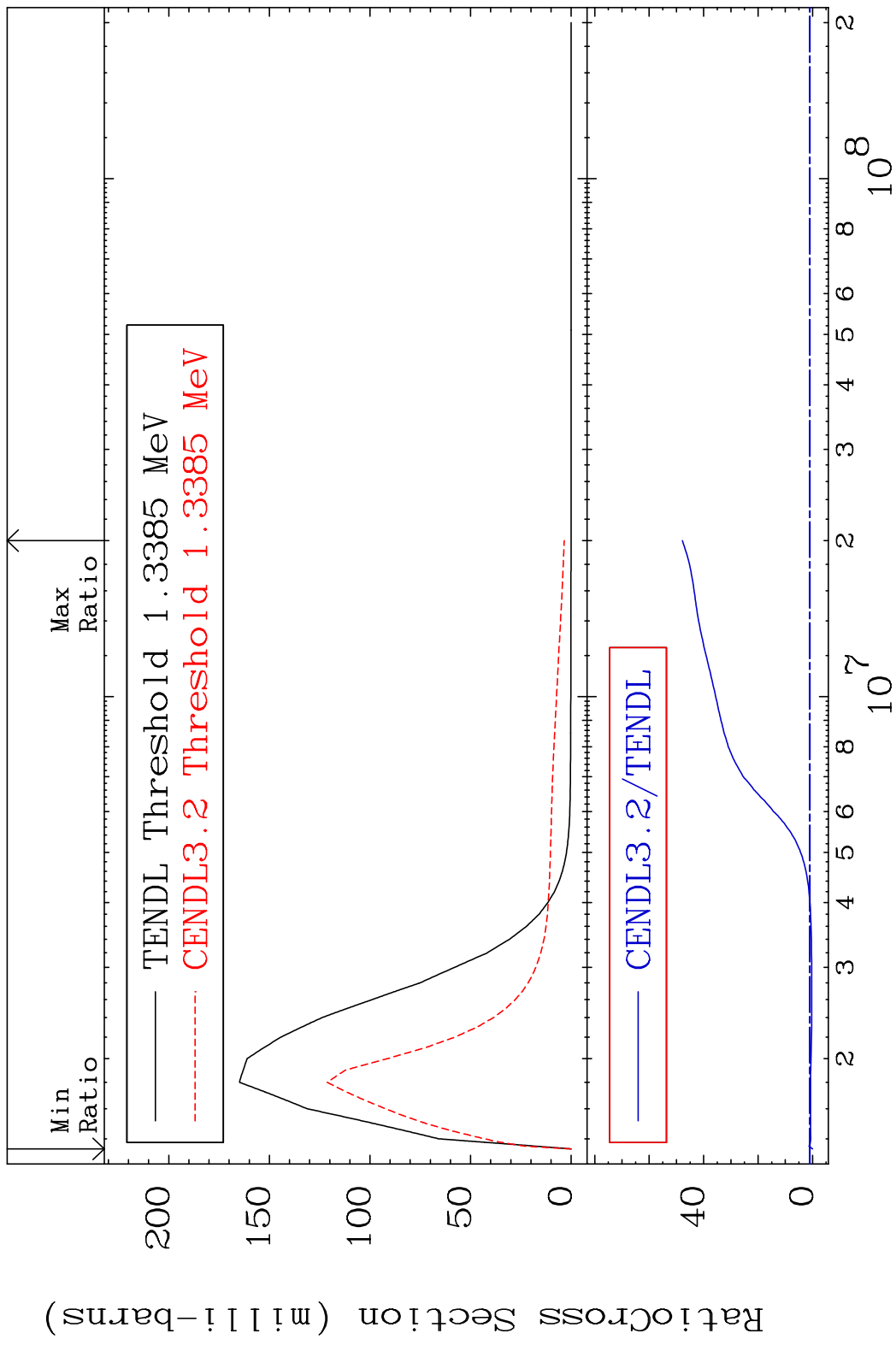
MAT 7431 MT= 57 (n, n') Level 74-W -182
 Cross Section -100.0 To 9999. %



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

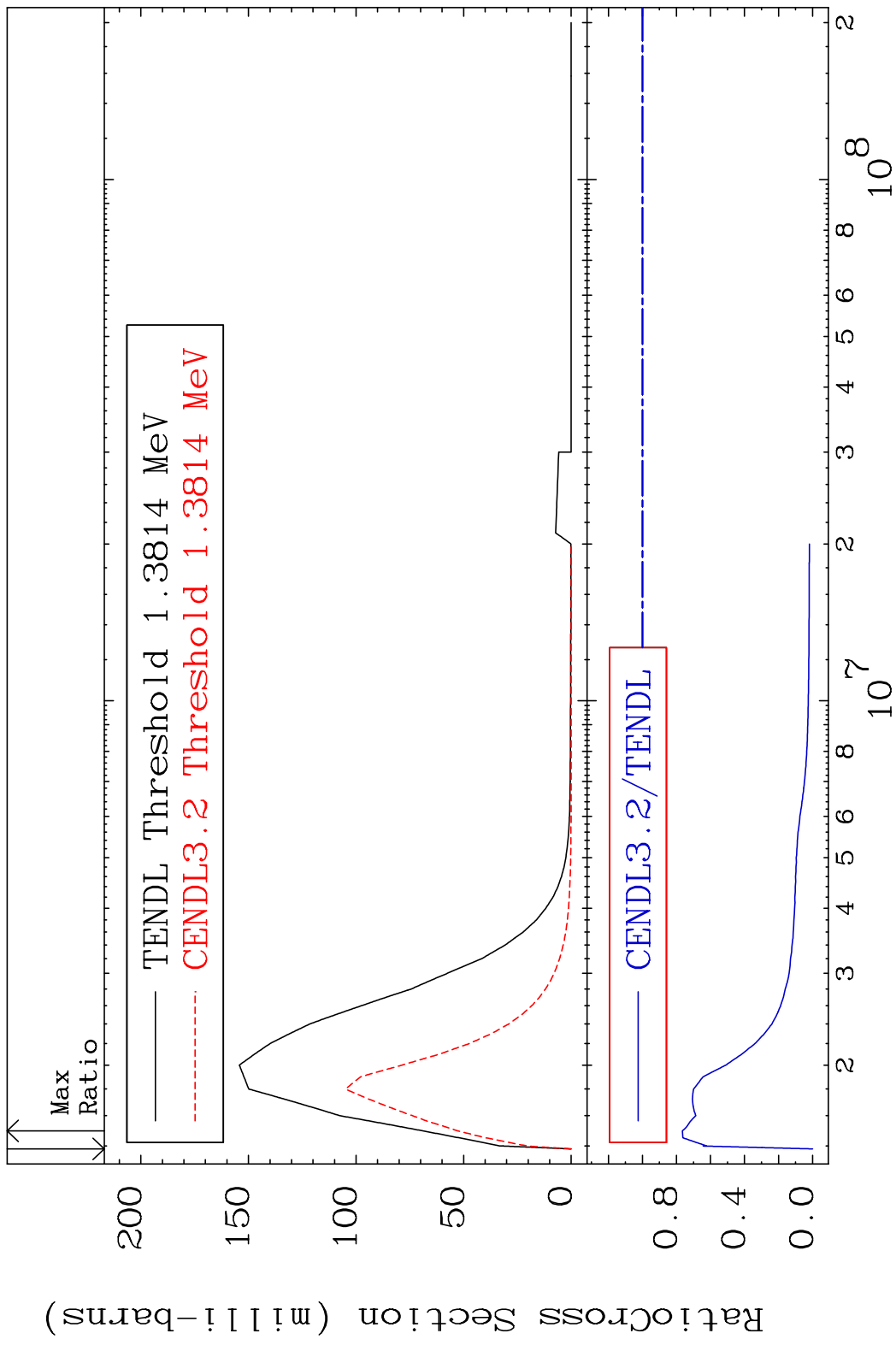


MAT 7431 MT= 59 (n, n') Level 74-W -182
 Cross Section -100.0 To 4682. %



16 Incident Energy (eV) 74-W -182

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

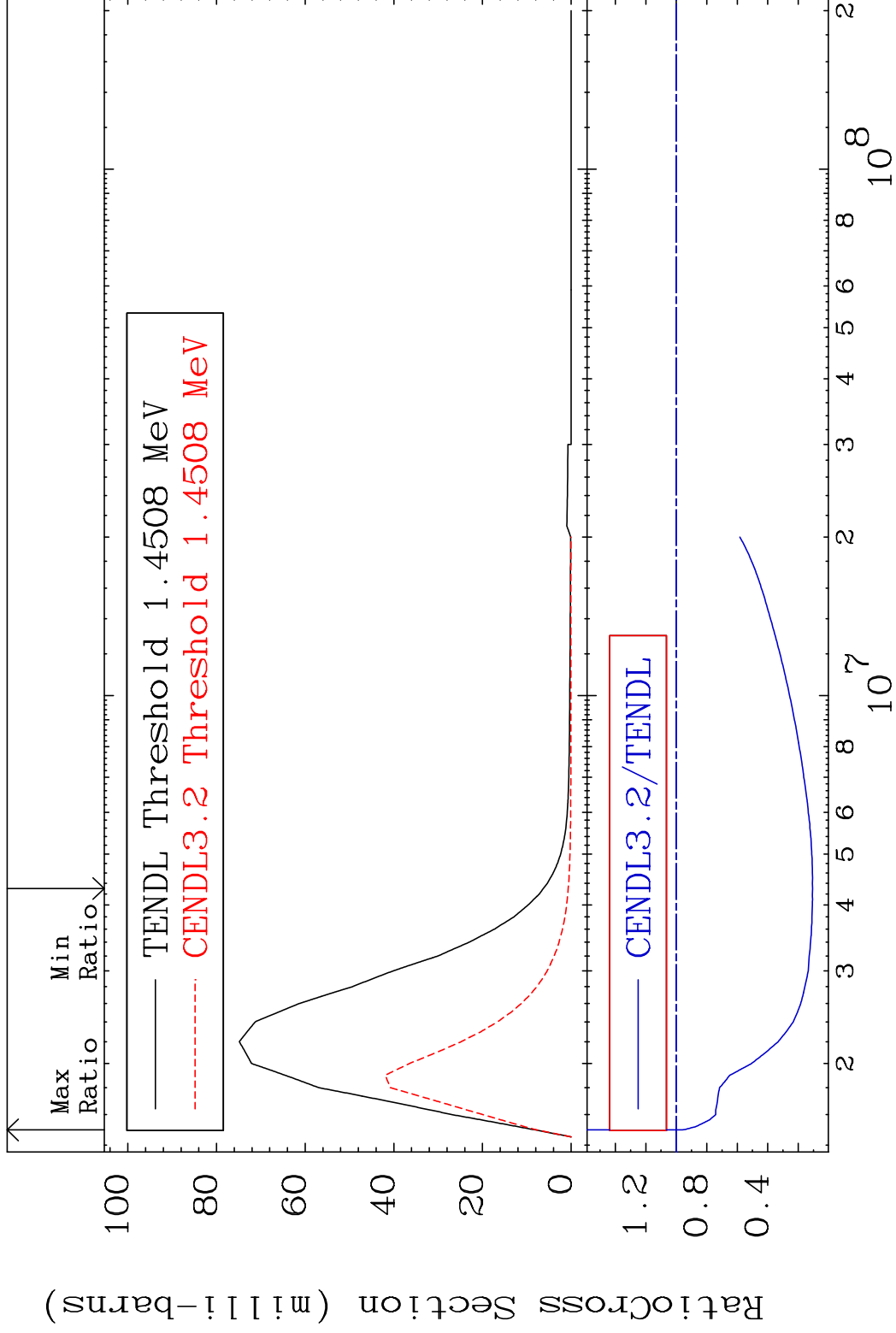


MAT 7431

MT= 61 (n, n') Level

74-W -182

Cross Section -89.39 To -3.985%

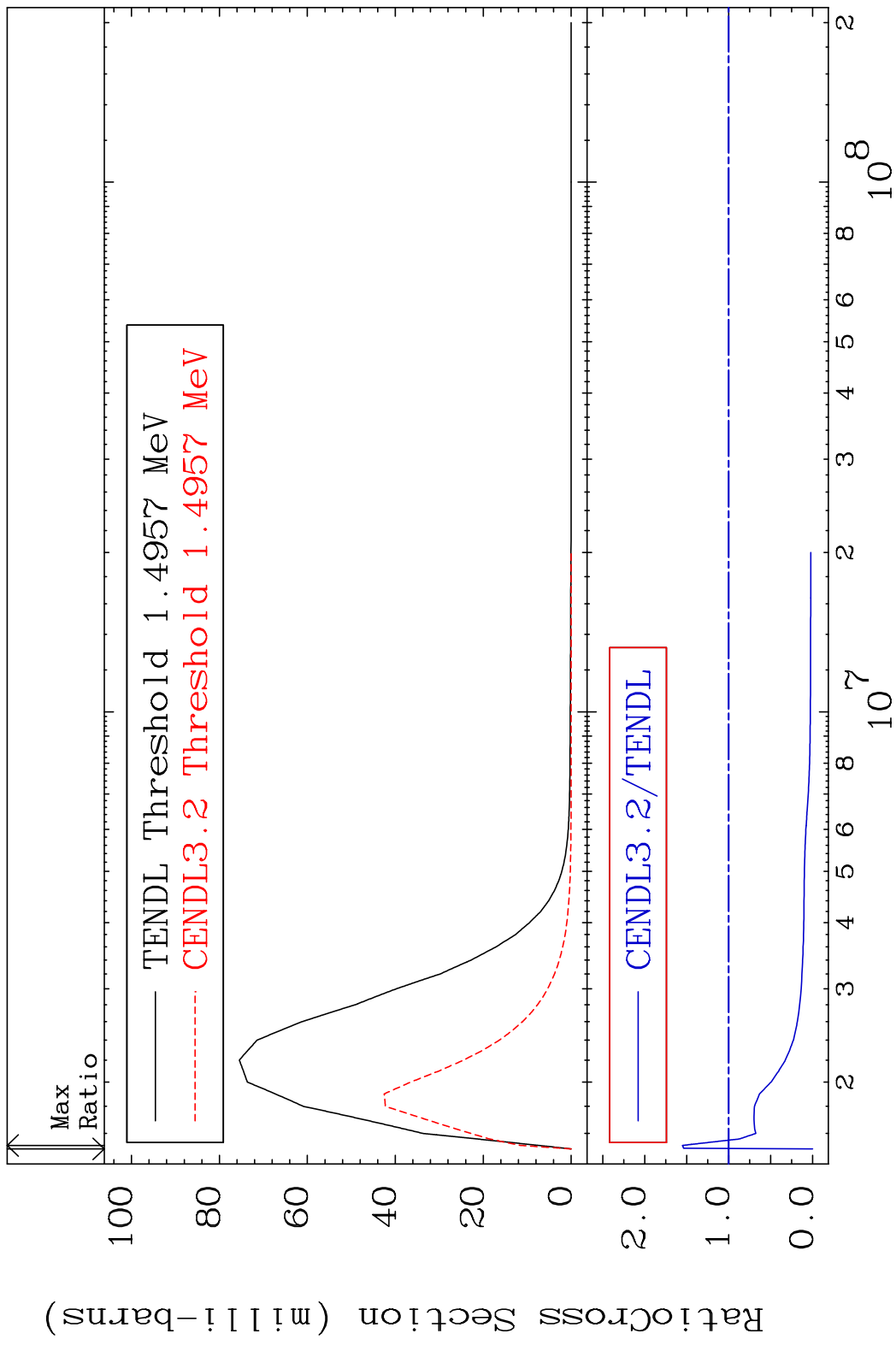


18

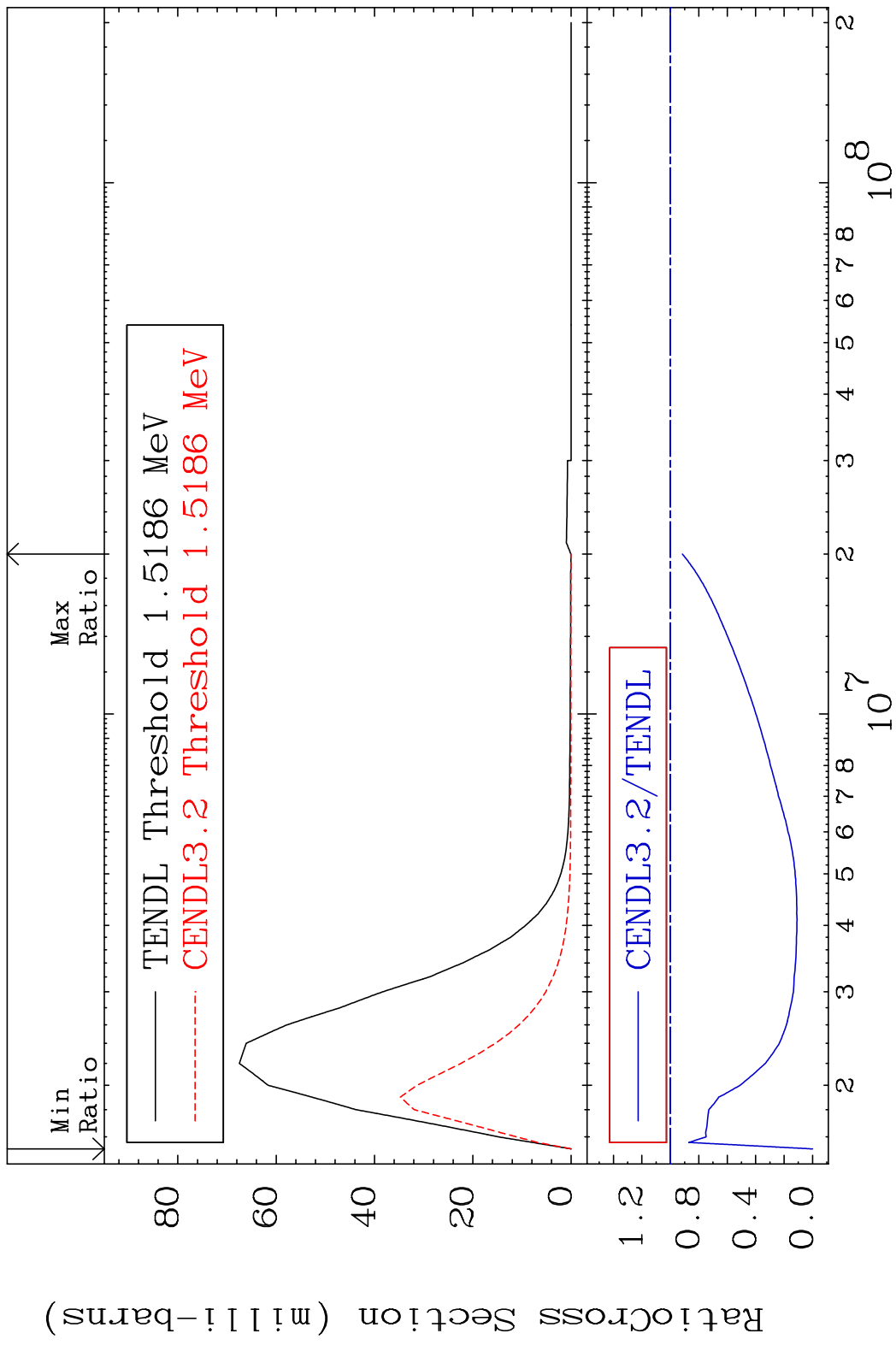
Incident Energy (eV)

74-W -182

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

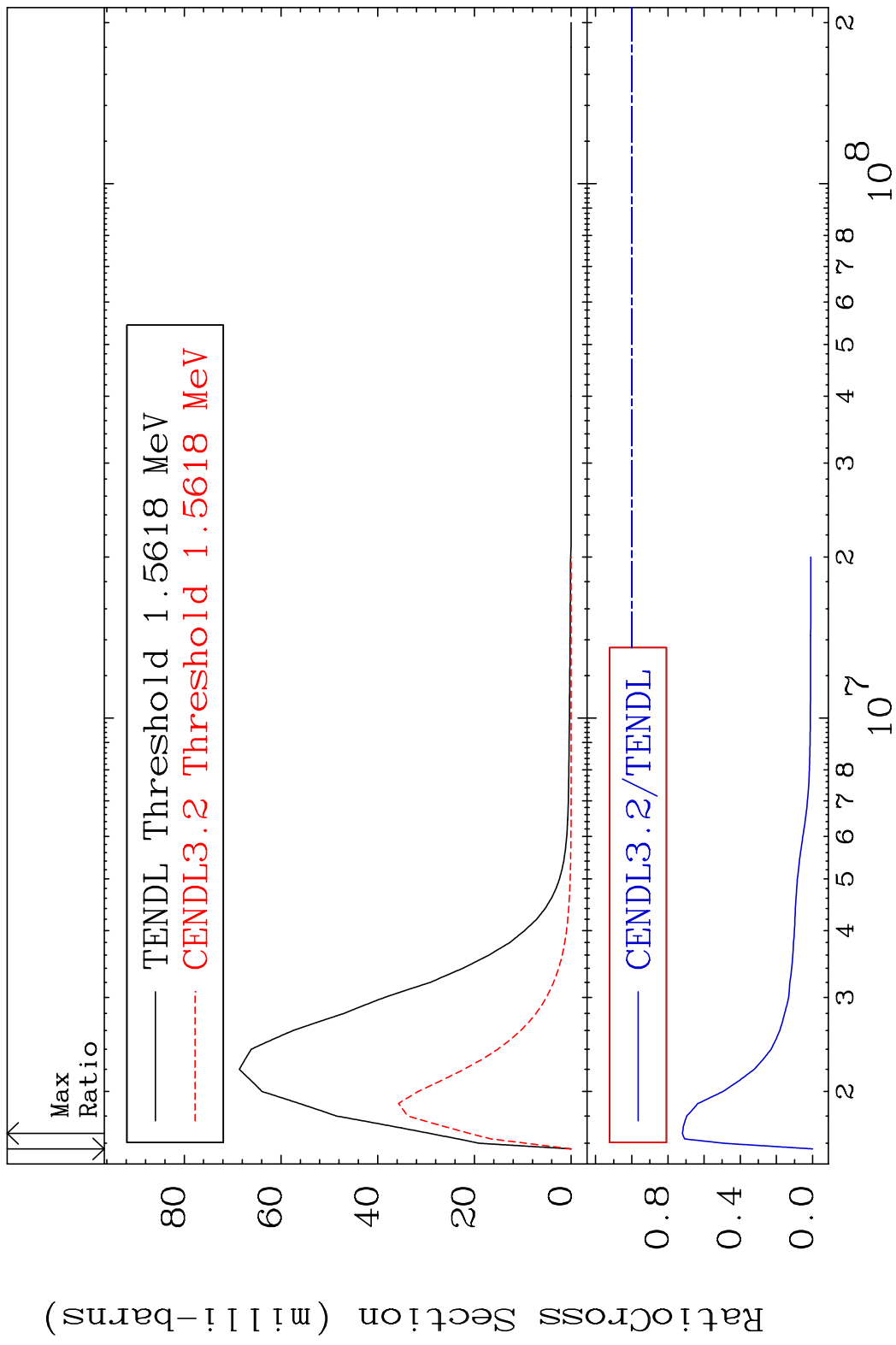


MAT 7431 MT= 63 (n, n') Level 74-W -182
 Cross Section -100.0 To -8.447%

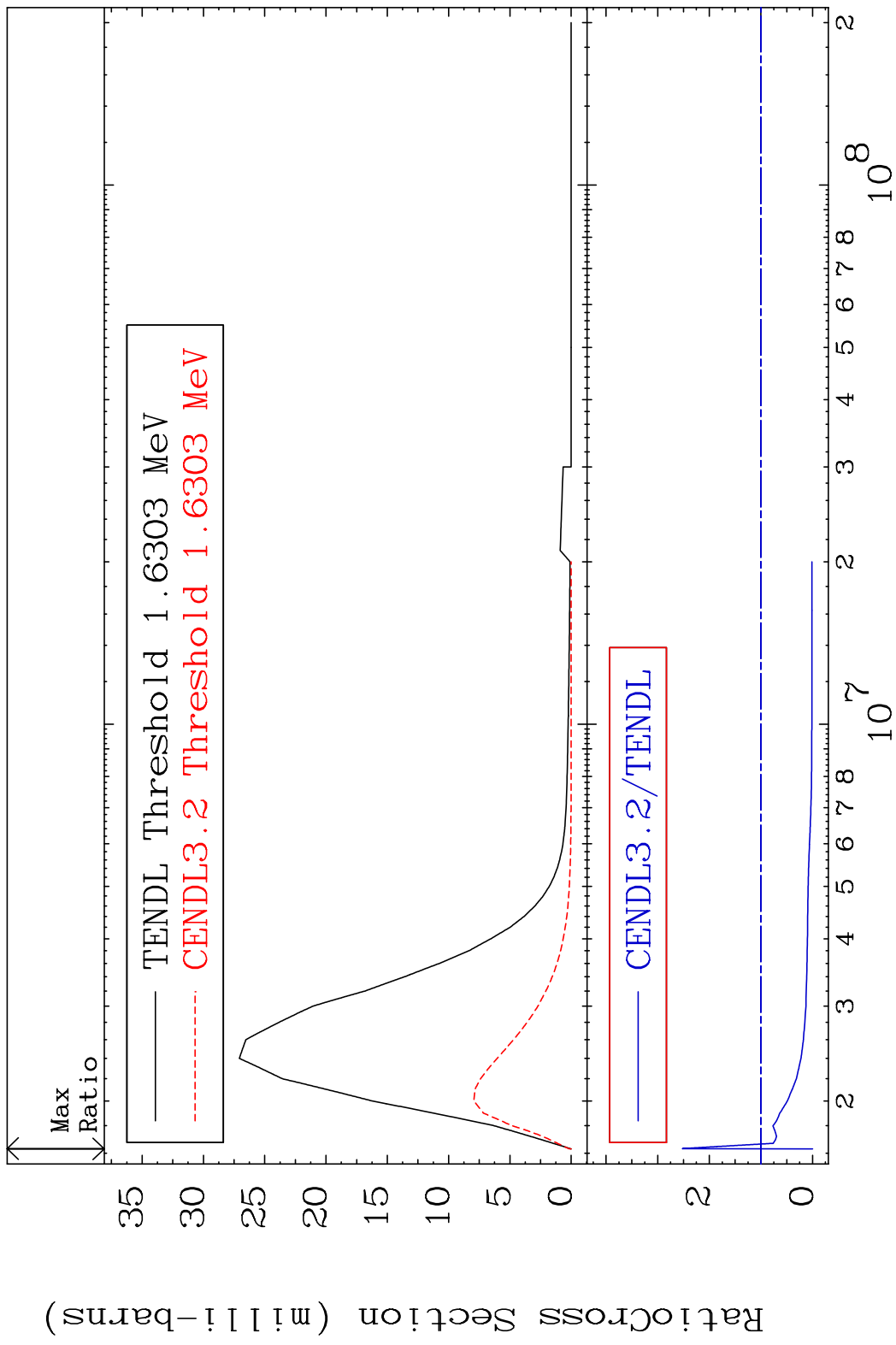


20 Incident Energy (eV) 74-W -182

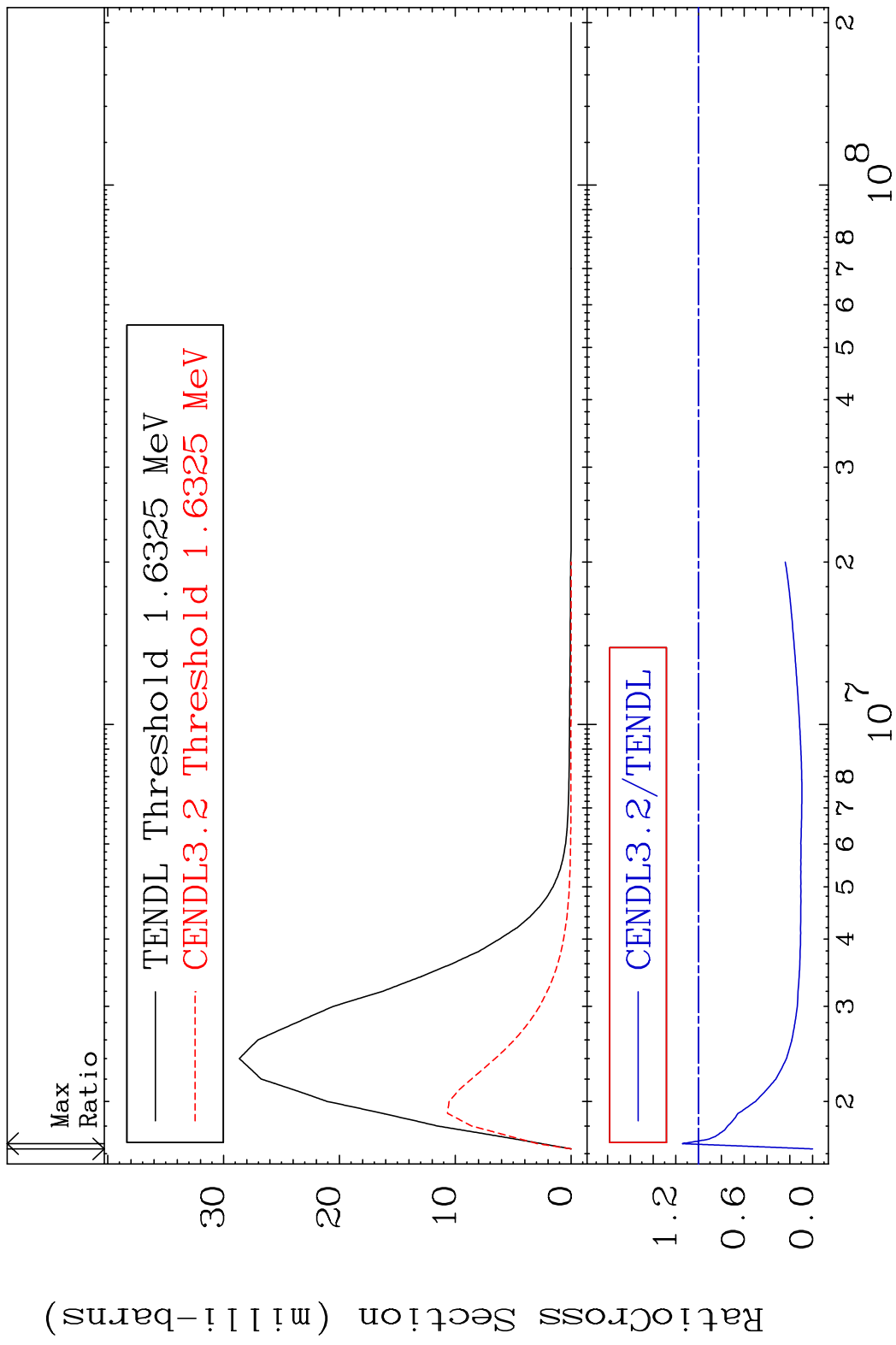
MAT 7431 MT= 64 (n, n') Level 74-W -182
 Cross Section -100.0 To -27.98%



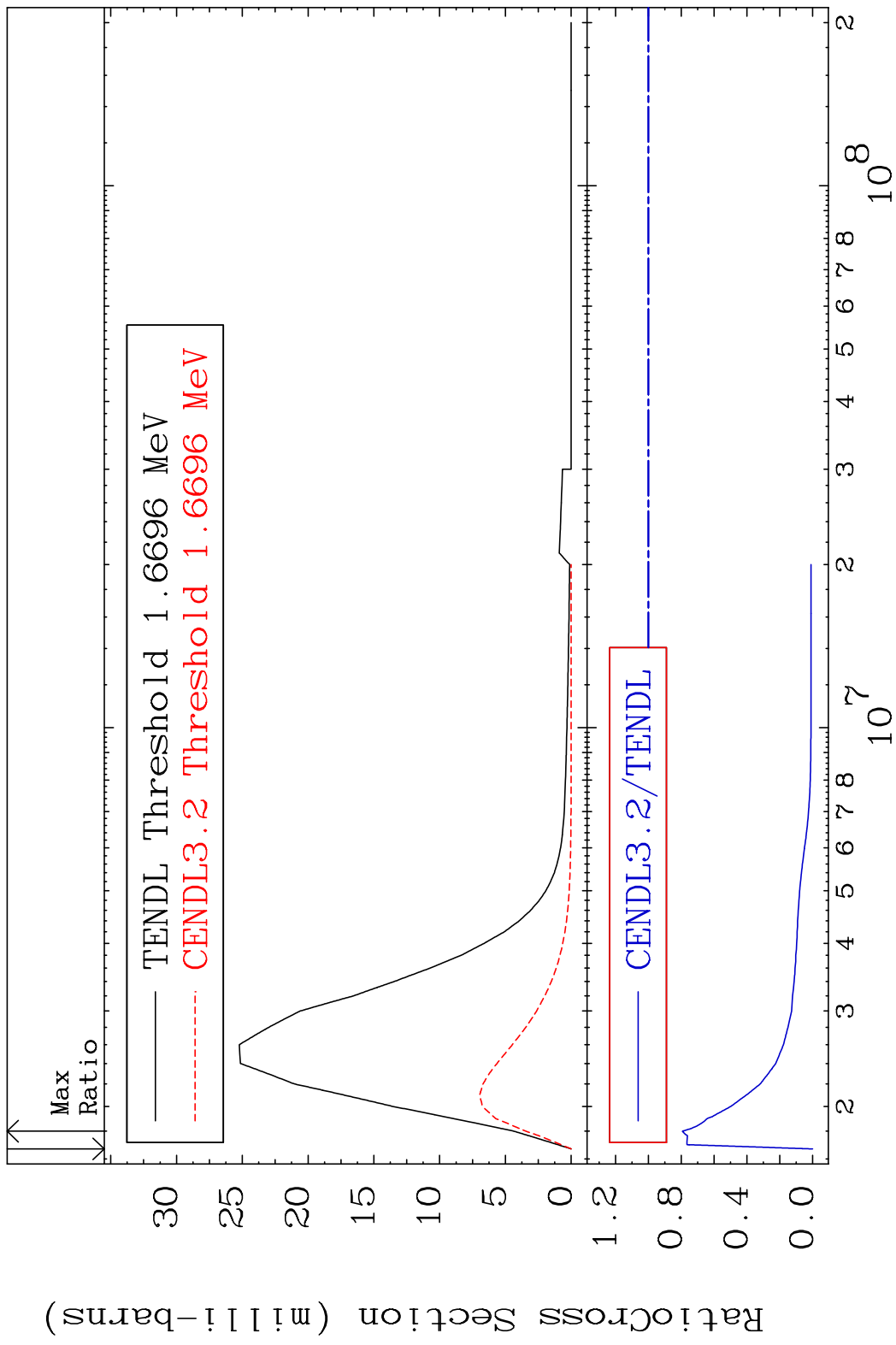
MAT 7431 MT= 65 (n,n') Level 74-W -182
 Cross Section -100.0 To 152.2 %



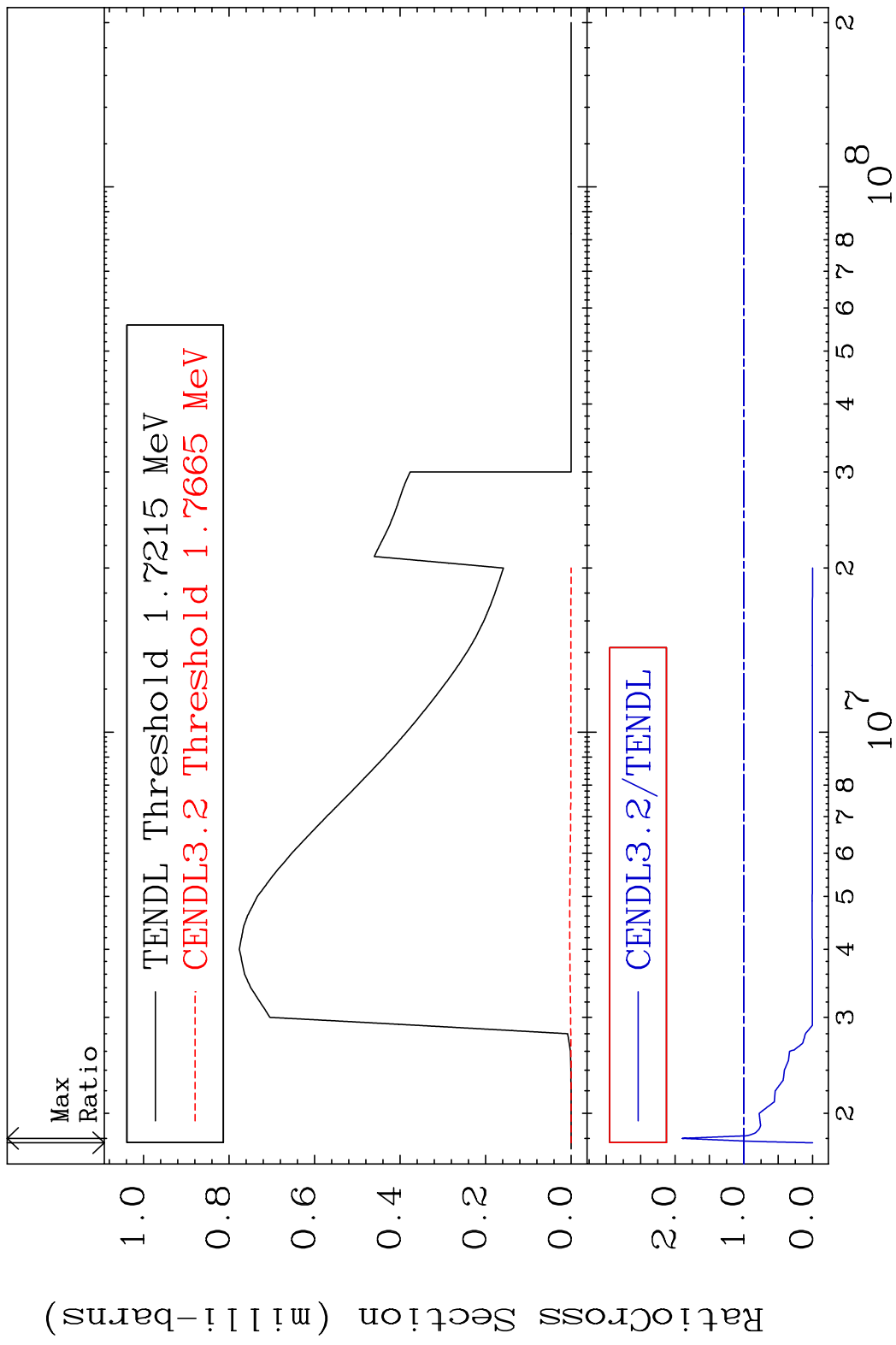
MAT 7431 MT= 66 (n,n') Level 74-W -182
 Cross Section -100.0 To 14.32 %



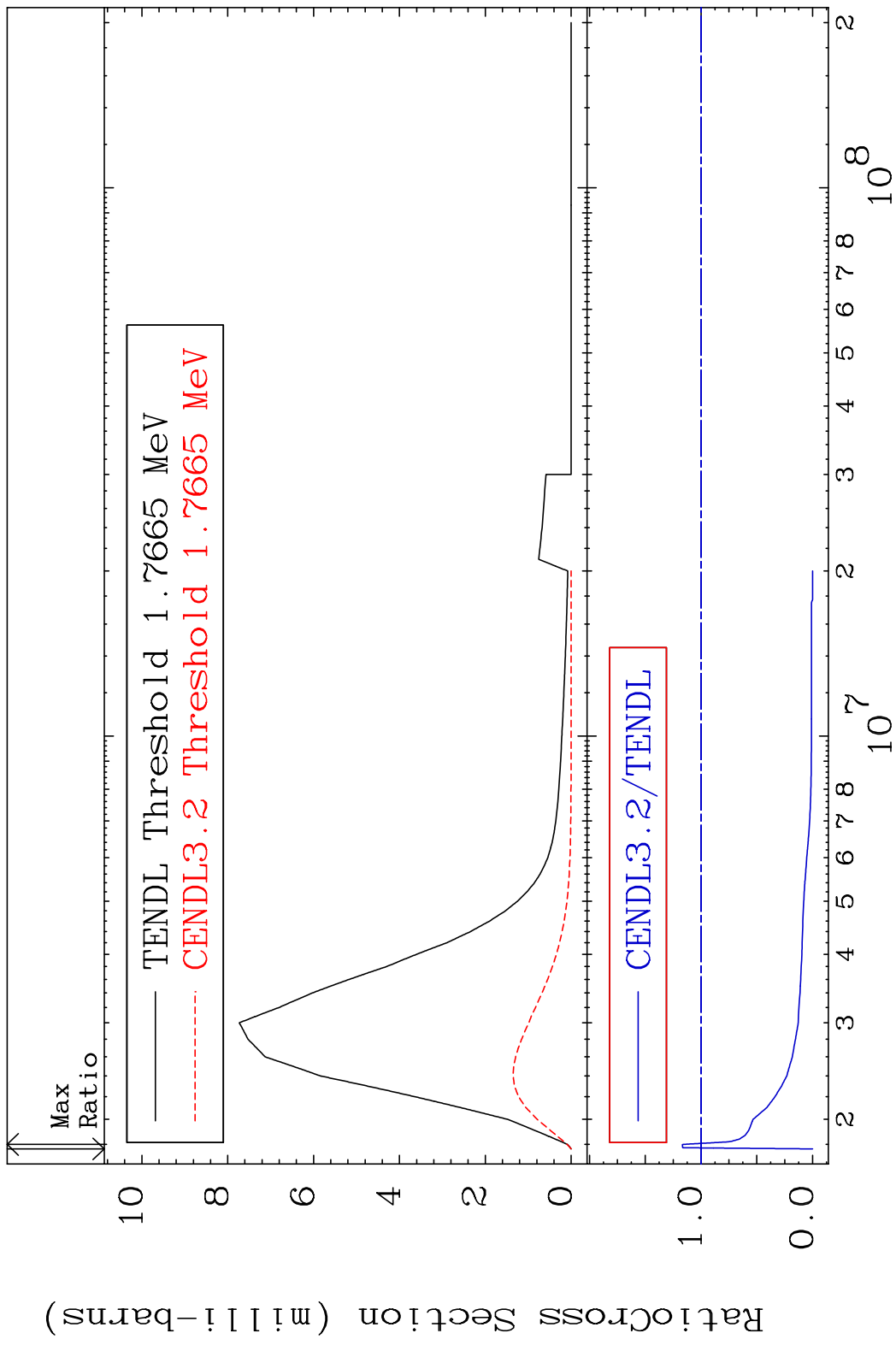
MAT 7431 MT= 67 (n,n') Level 74-W -182
 Cross Section -100.0 To -20.68%



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 %

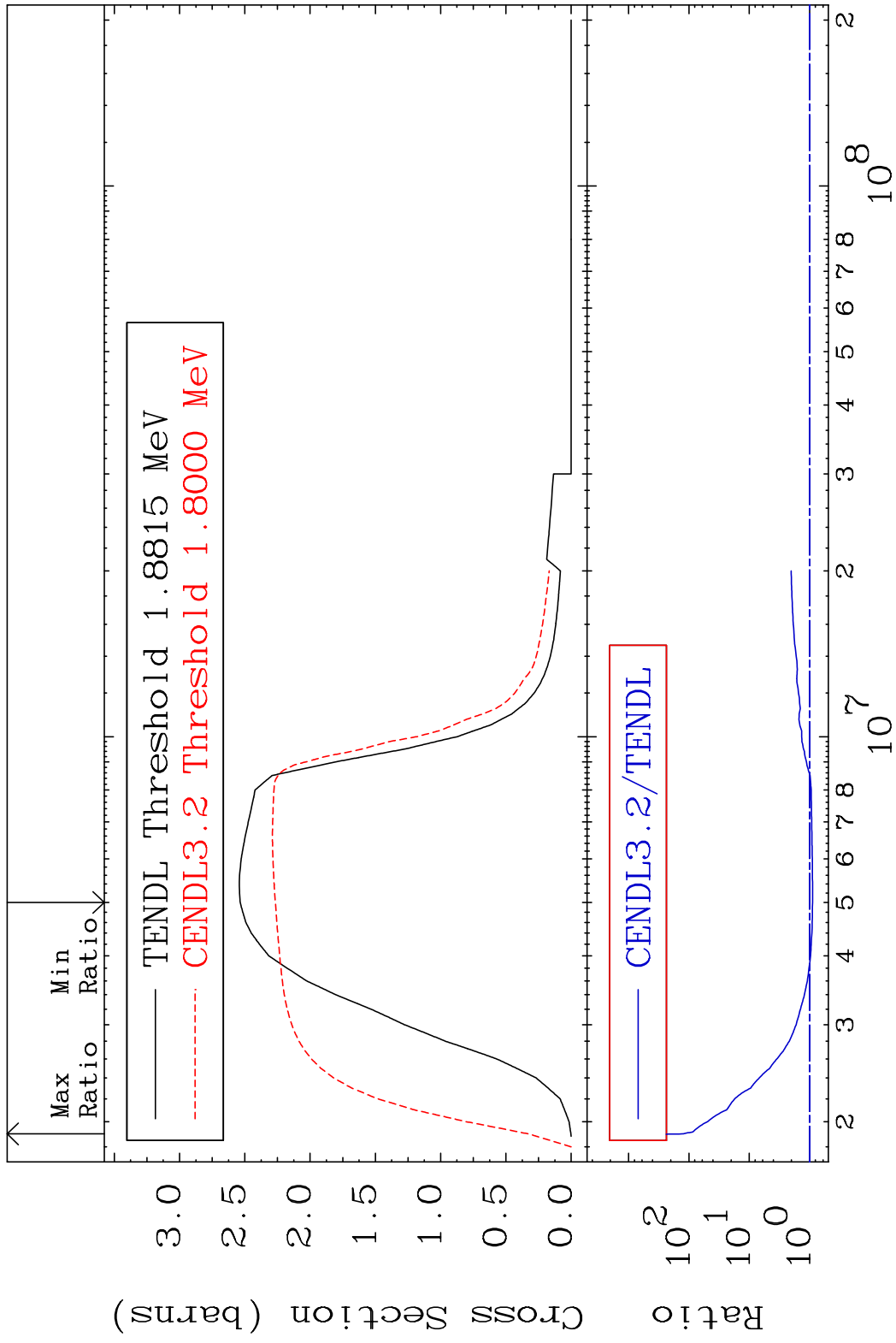


MAT 7431

(n, n') Continuum

74-W -182

Cross Section -10.64 To 9999. %



27

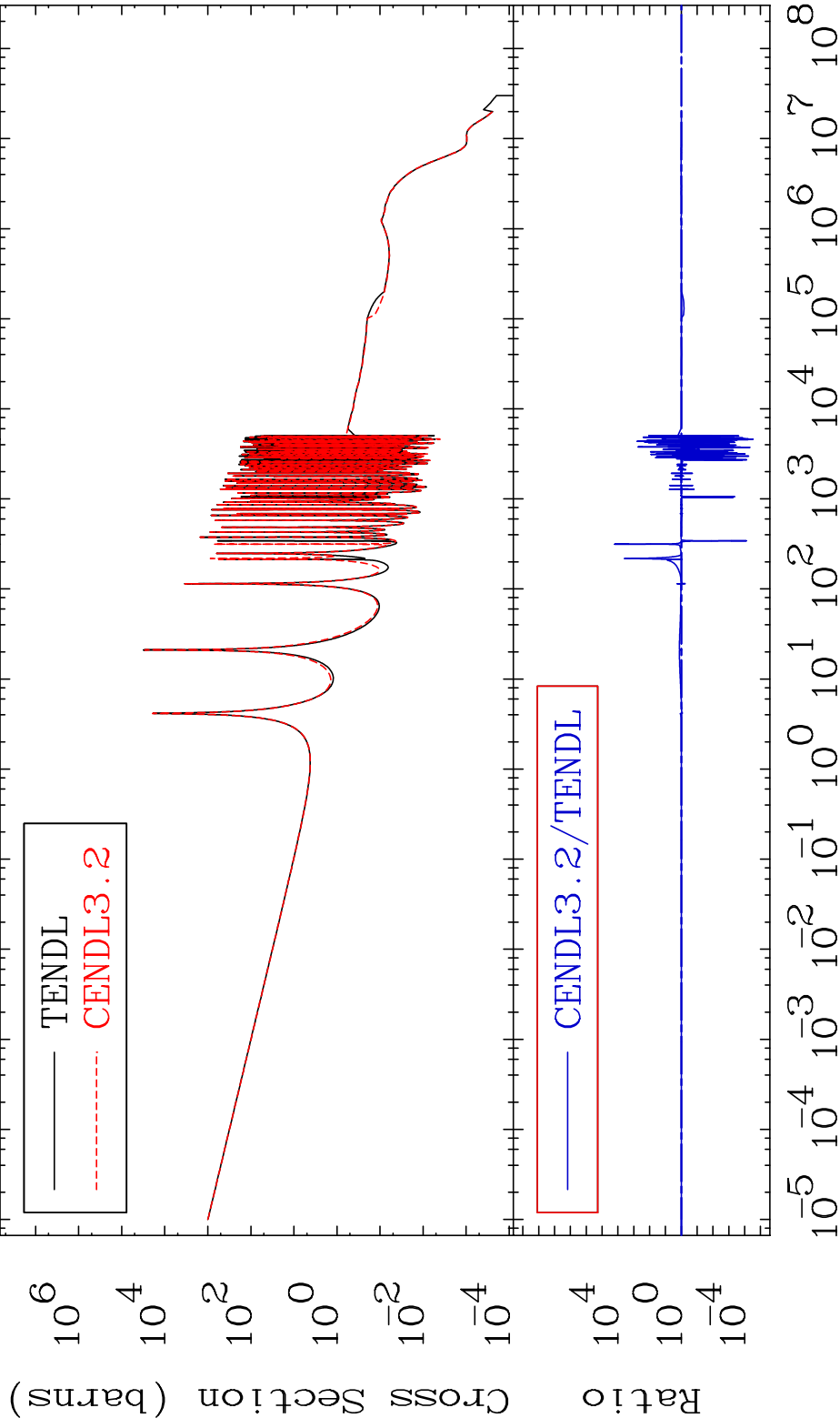
Incident Energy (eV)

74-W -182

MAT 7431

(n, γ)
Cross Section -100.0 To 9999. %

74-W -182



28

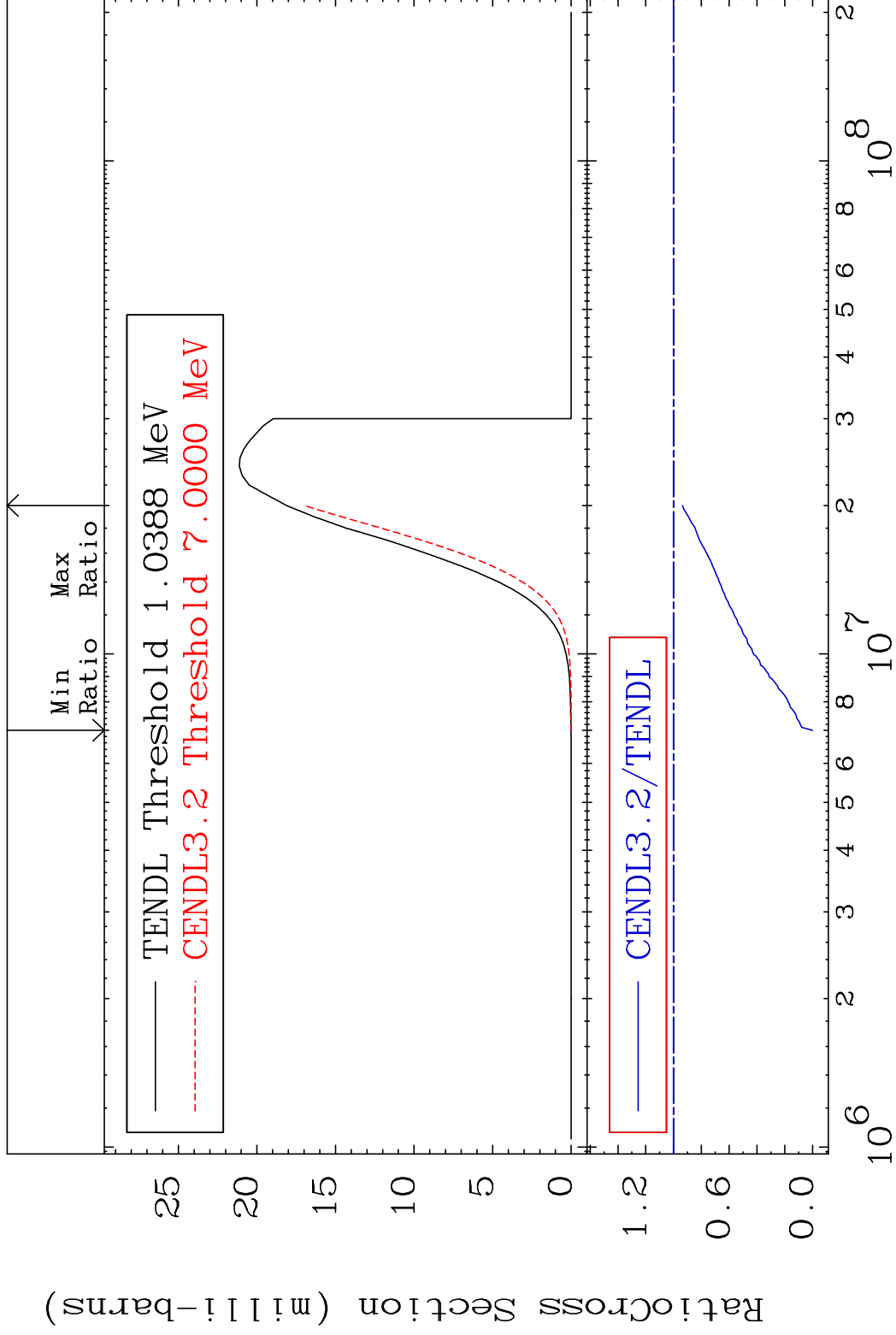
Incident Energy (eV) 74-W -182

MAT 7431

(n, p)

74-W -182

Cross Section -100.0 To -6.325%

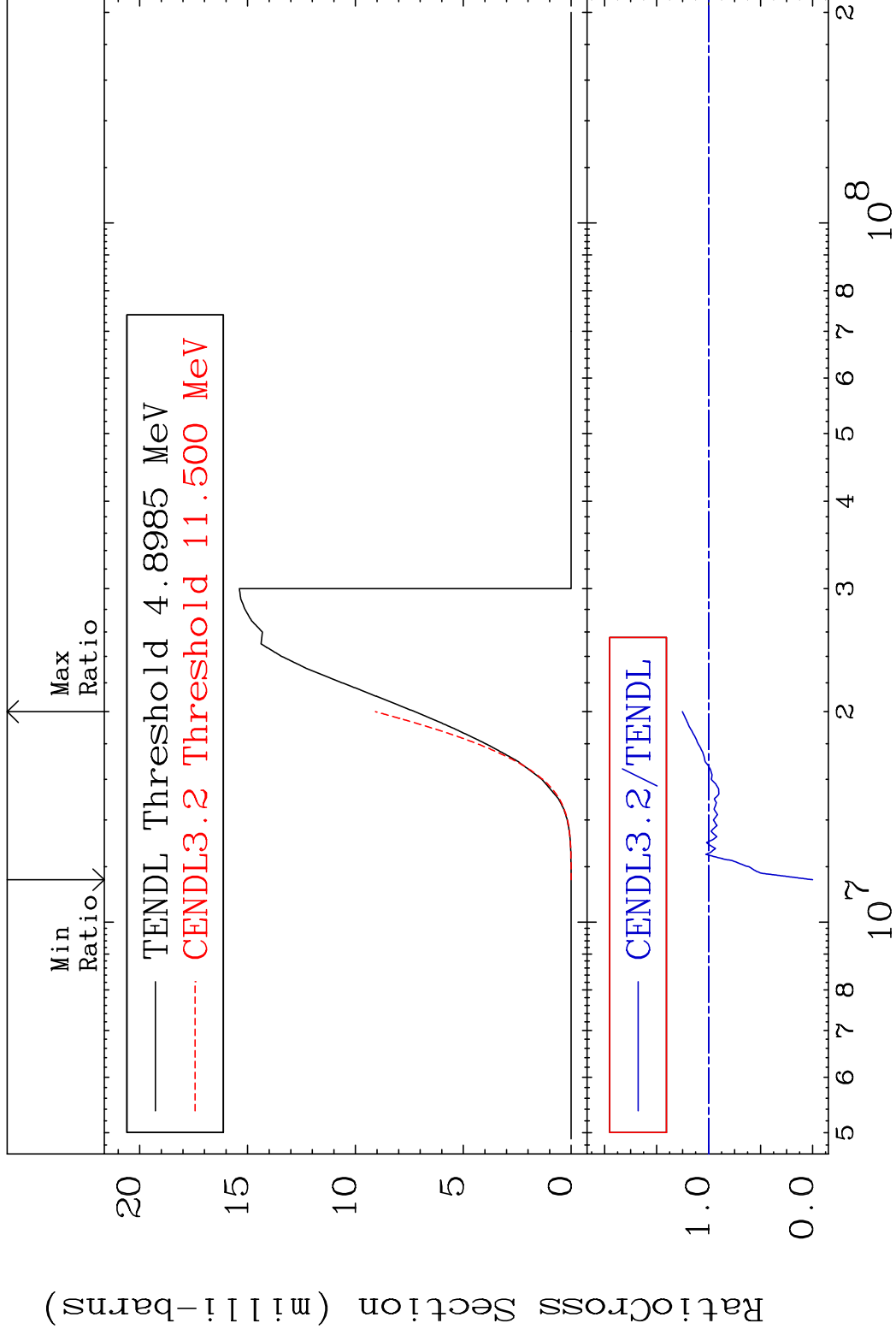


MAT 7431

(n, d)

74-W -182

Cross Section -100.0 To 25.19 %



30

Incident Energy (eV)

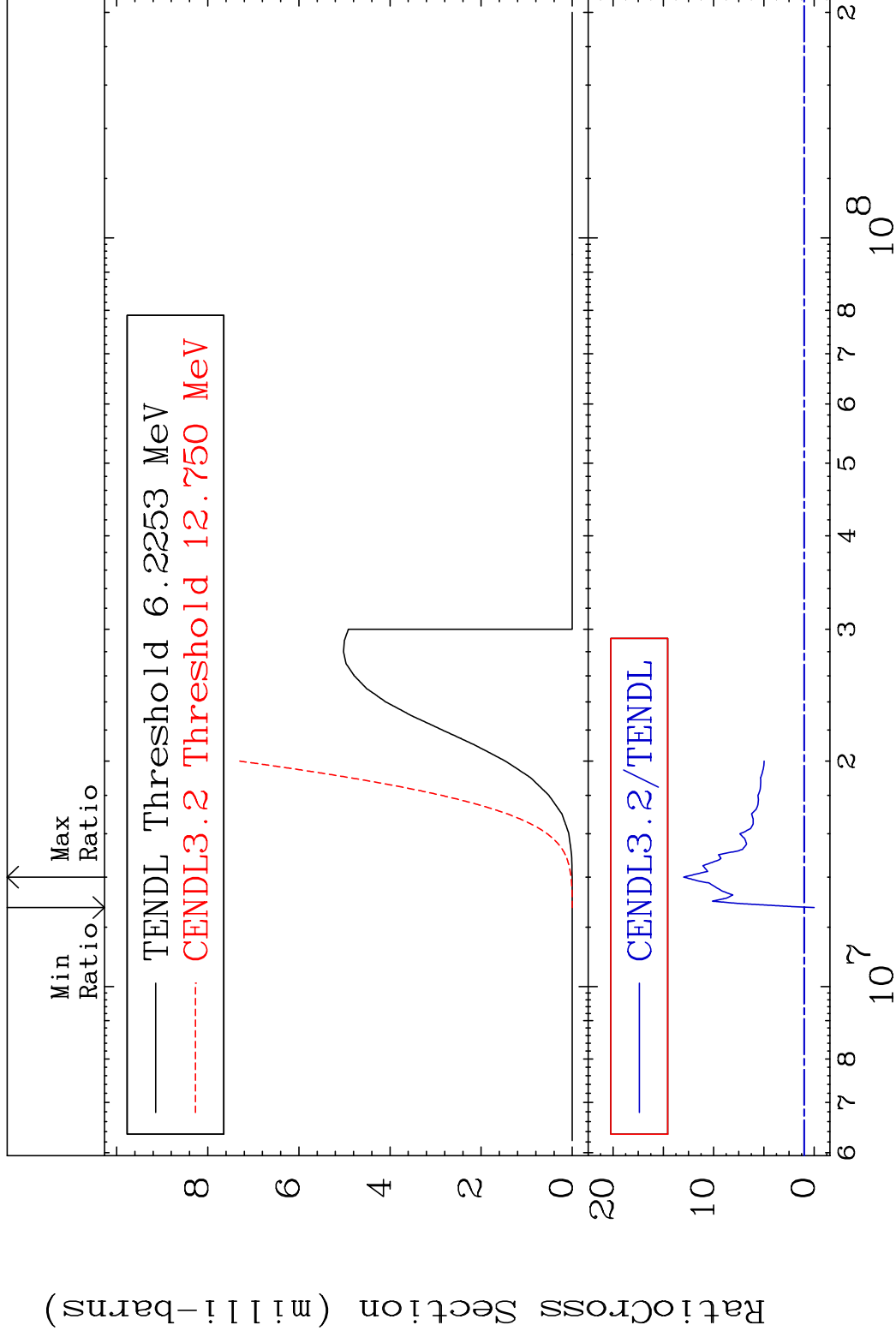
74-W -182

MAT 7431

(n, t)

74-W -182

Cross Section -100.0 To 1198. %



31

Incident Energy (eV)

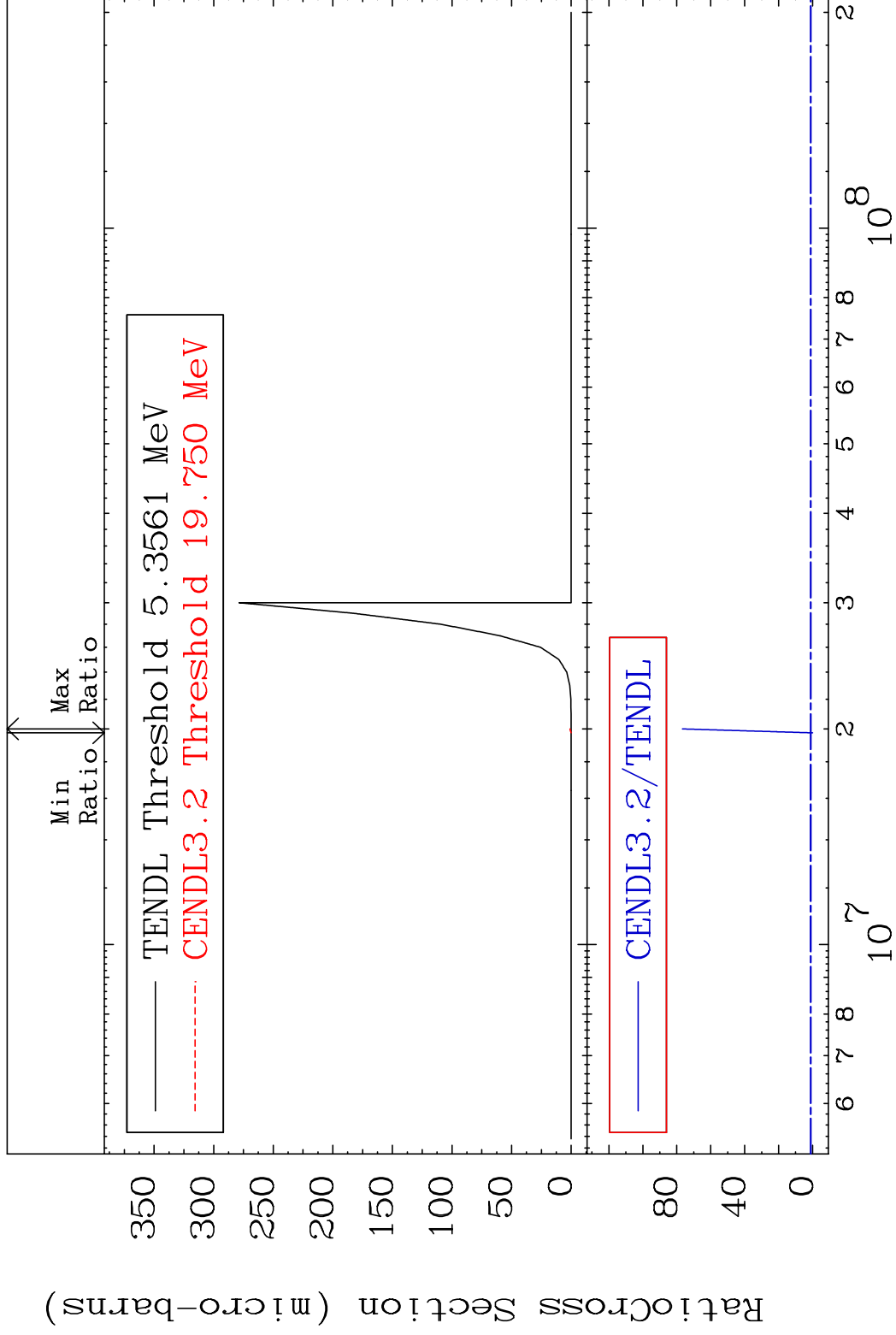
74-W -182

MAT 7431

(n, He-3)

74-W -182

Cross Section -100.0 To 7572. %



32

Incident Energy (eV)

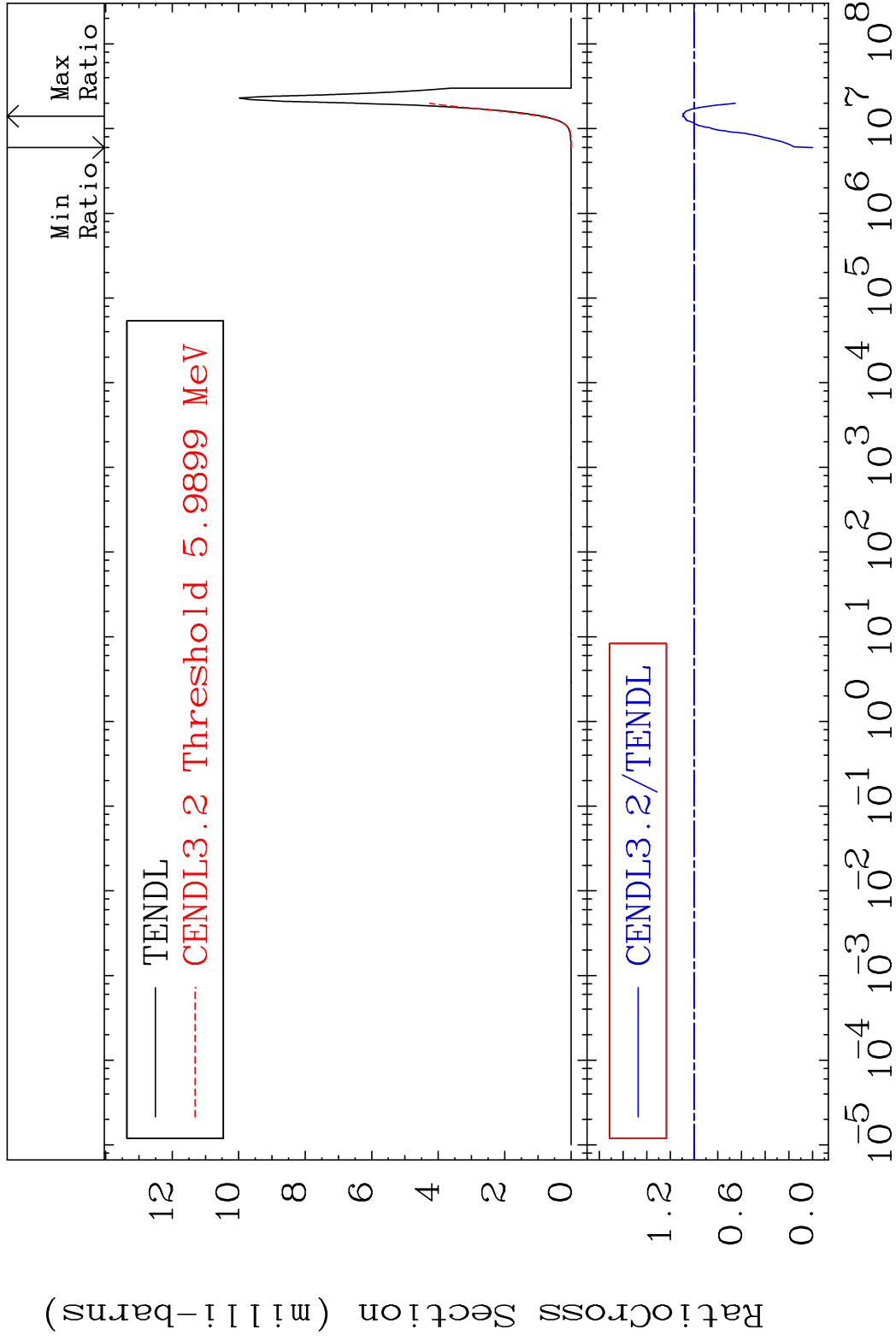
74-W -182

MAT 7431

(n, α)

74-W -182

Cross Section -100.0 To 9.916 %



33

Incident Energy (eV)

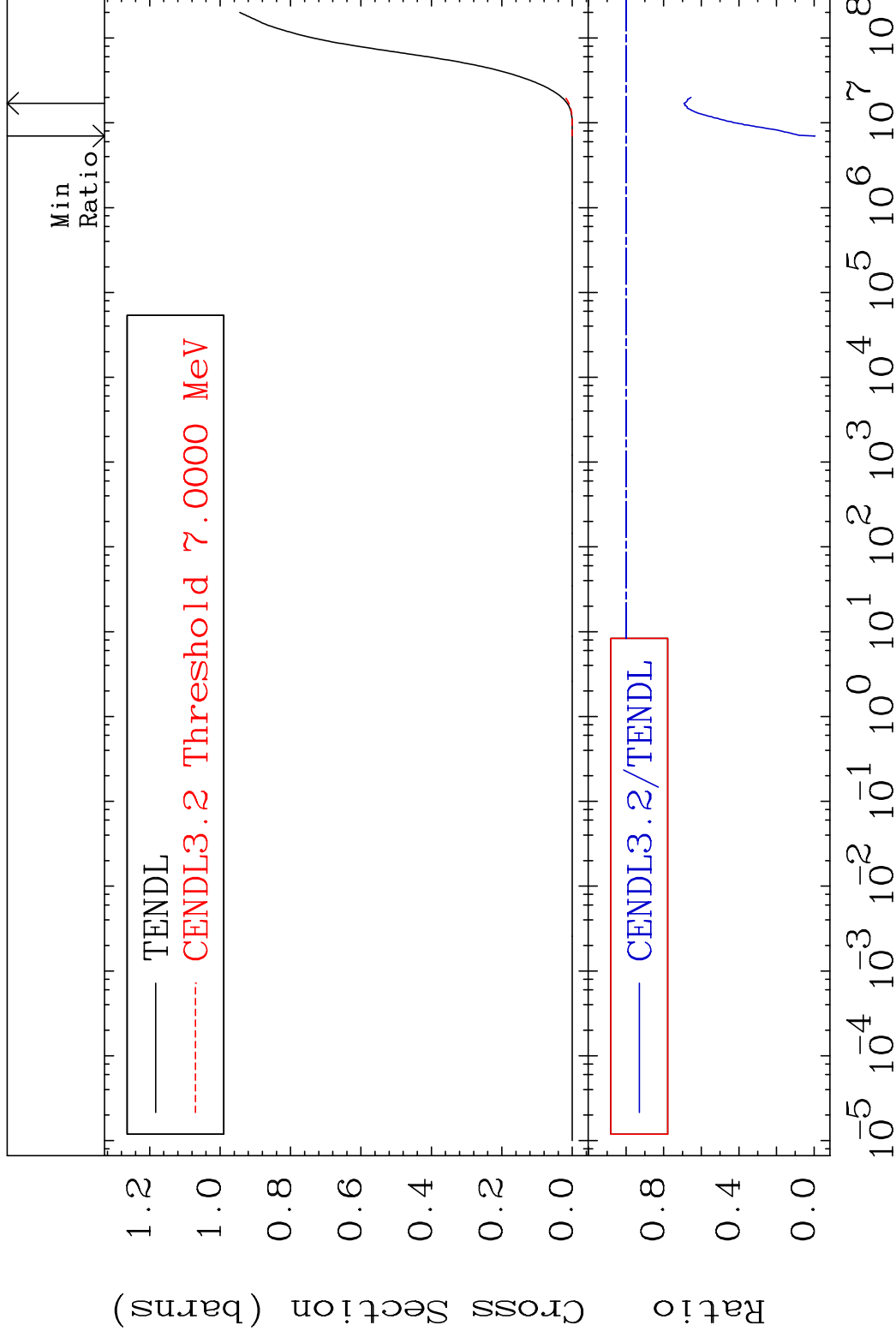
74-W -182

MAT 7431

Hydrogen Production

74-W -182

Cross Section -100.0 To -30.63%



34

Incident Energy (eV)

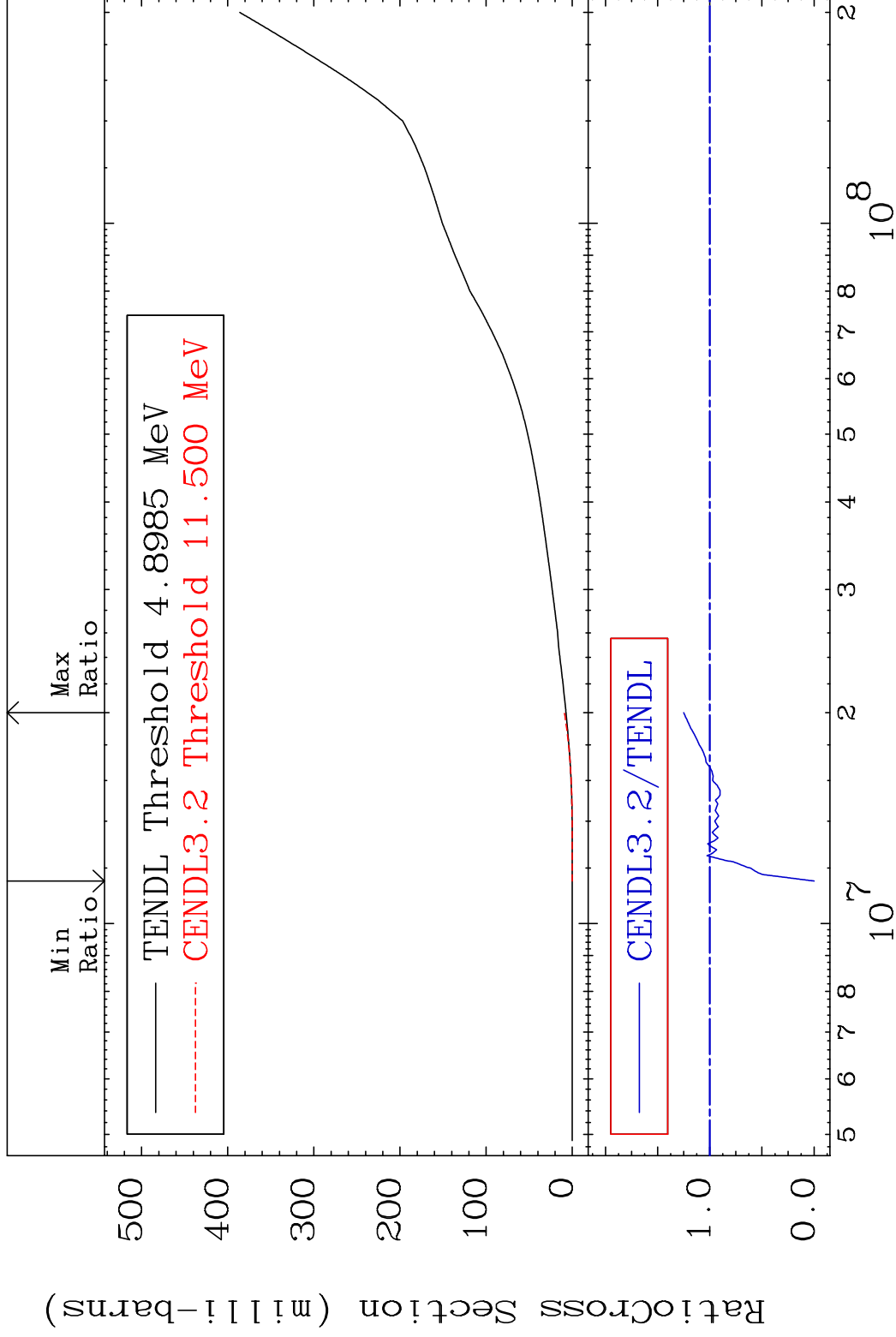
74-W -182

MAT 7431

Deuterium Production

74-W -182

Cross Section -100.0 To 25.05 %



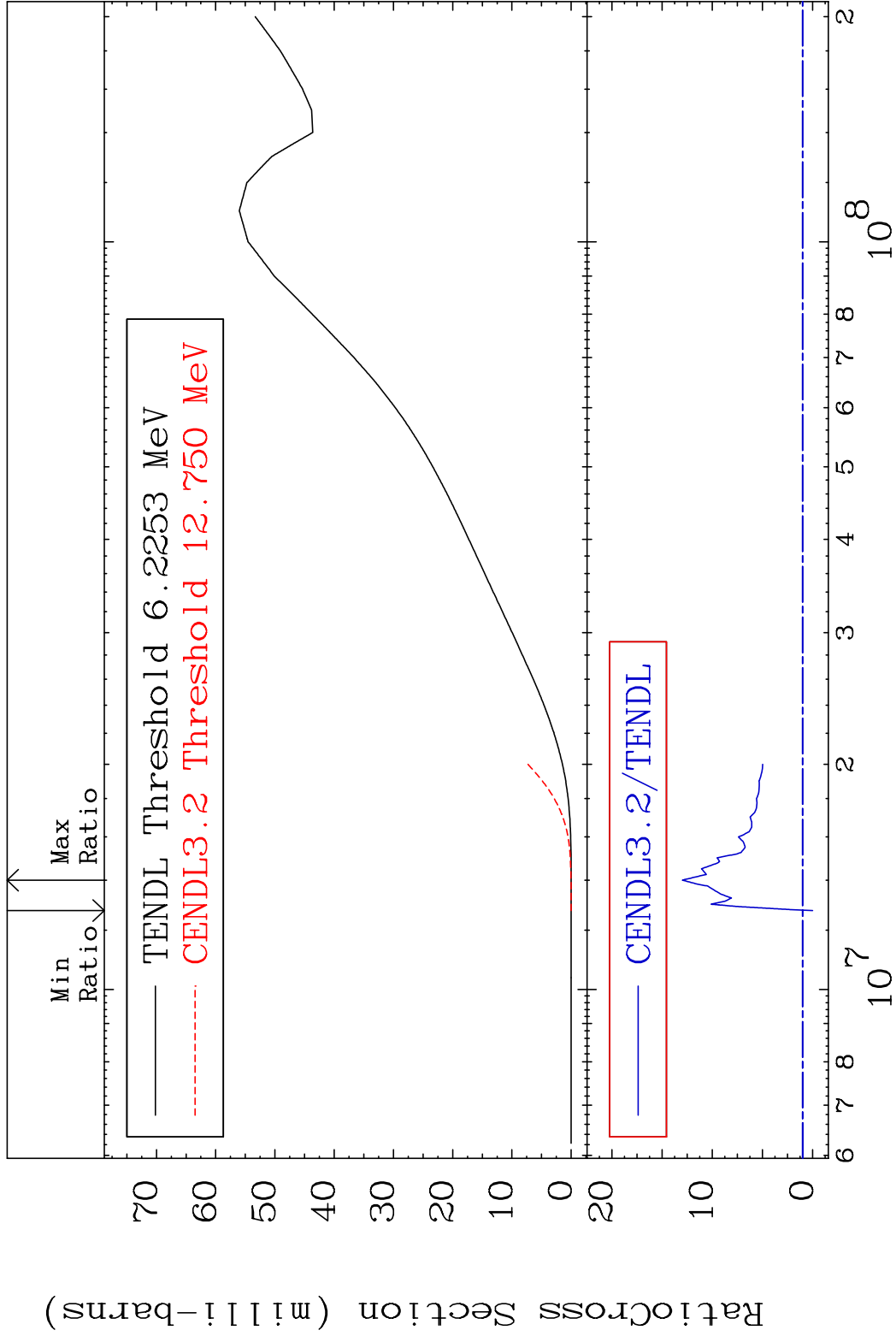
35

Incident Energy (eV)

74-W -182

MAT 7431

Tritium Production 74-W -182
Cross Section -100.0 To 1198. %



36

Incident Energy (eV)

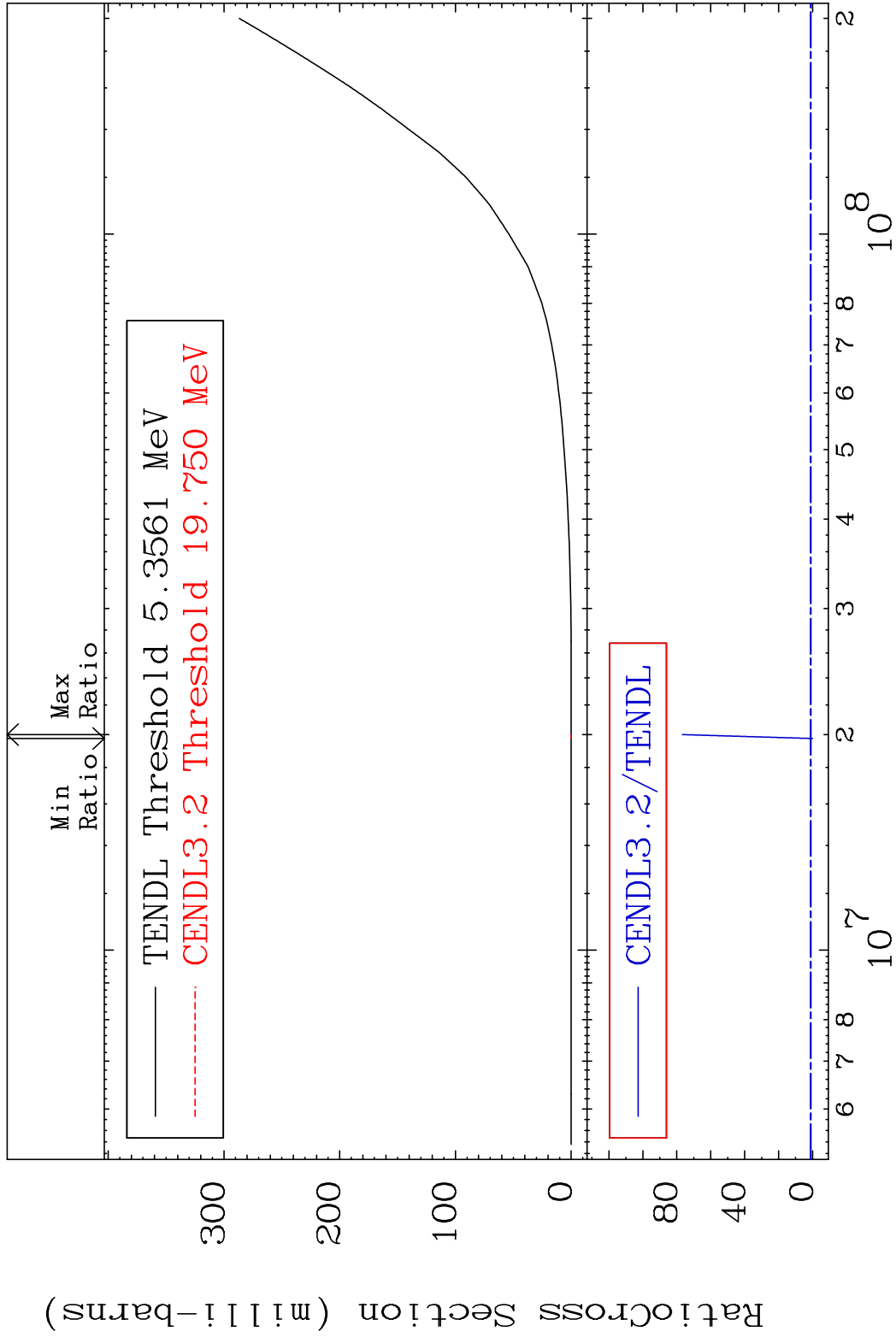
74-W -182

MAT 7431

He-3 Production

74-W -182

Cross Section -100.0 To 7572. %



37

Incident Energy (eV)

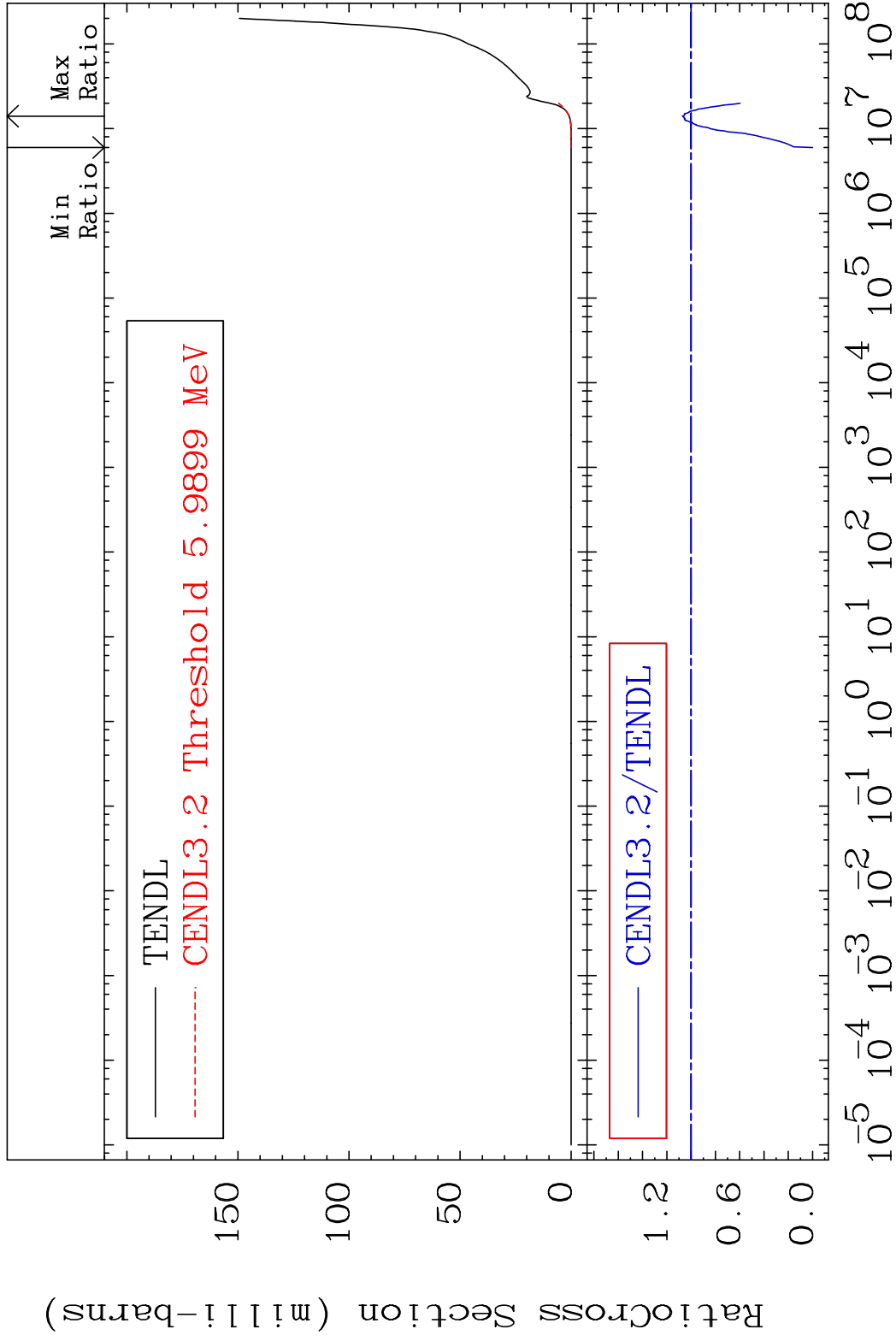
74-W -182

MAT 7431

He-4 Production

74-W -182

Cross Section -100.0 To 7.234 %

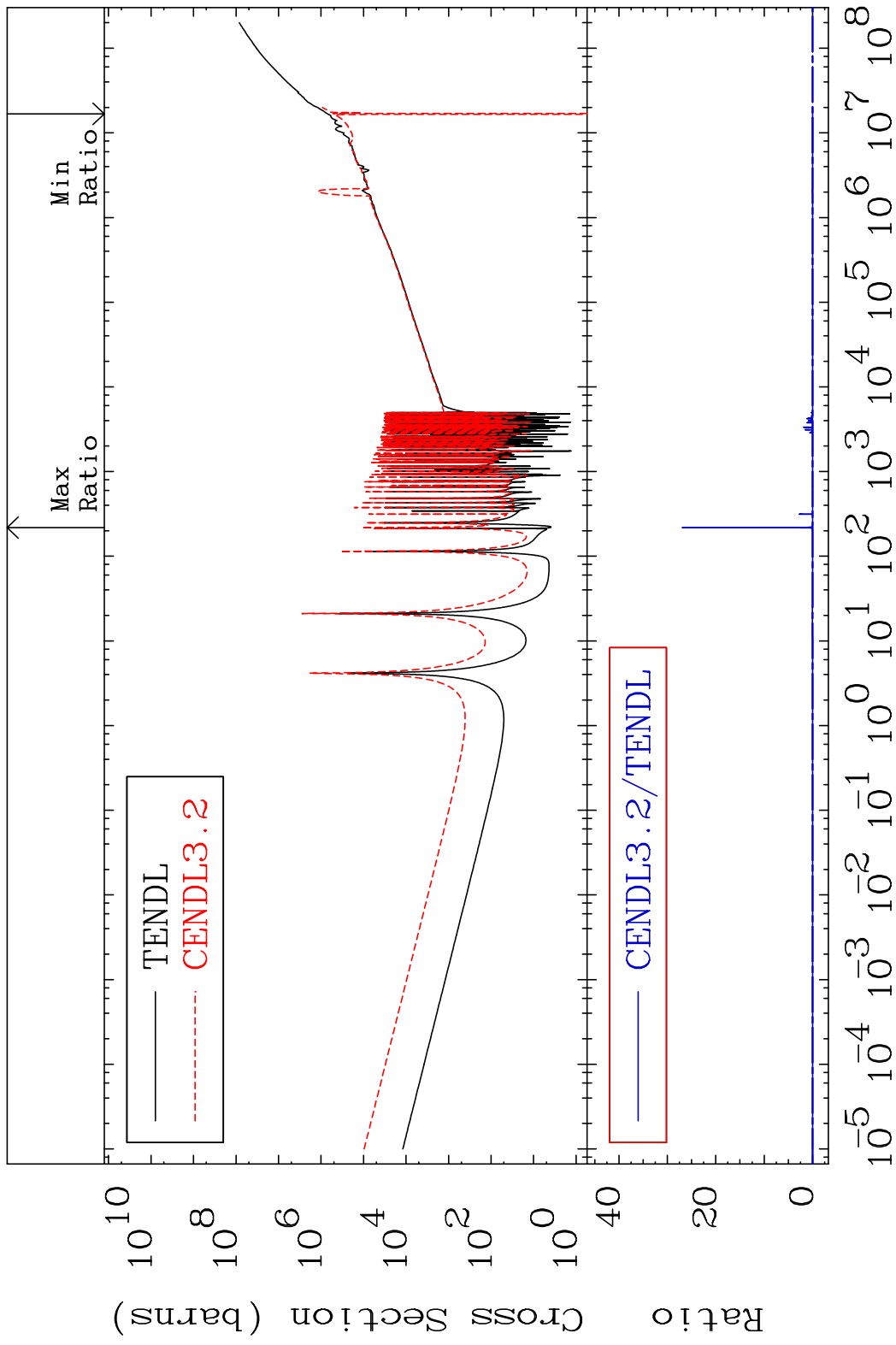


38

Incident Energy (eV)

74-W -182

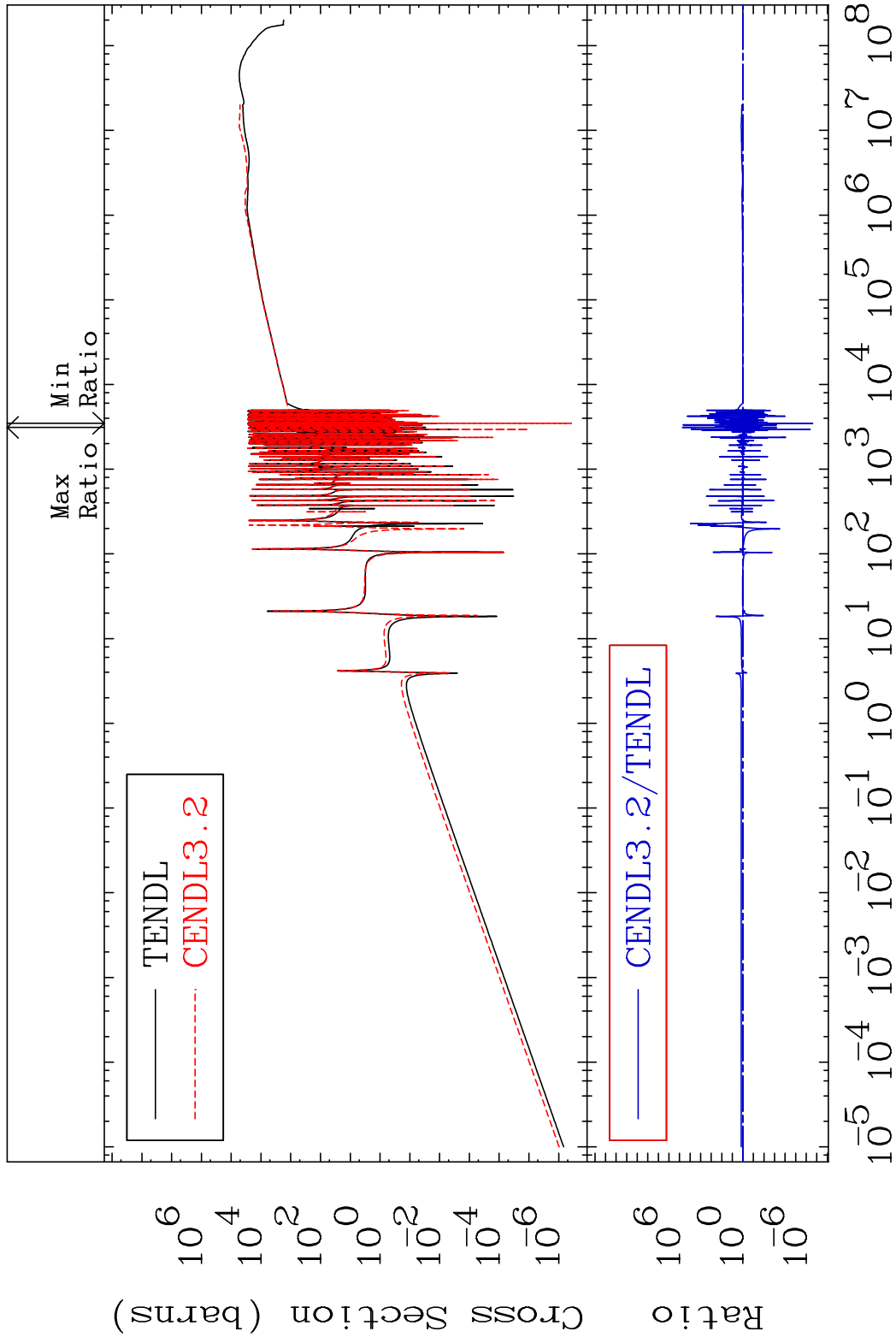
MAT 7431 Kerma total (eV-barns) 74-W -182
 Cross Section -488.2 To 9999. %



39 Incident Energy (eV) 74-W -182

MAT 7431

Kerma elastic 74-W -182
Cross Section -100.0 To 9999. %

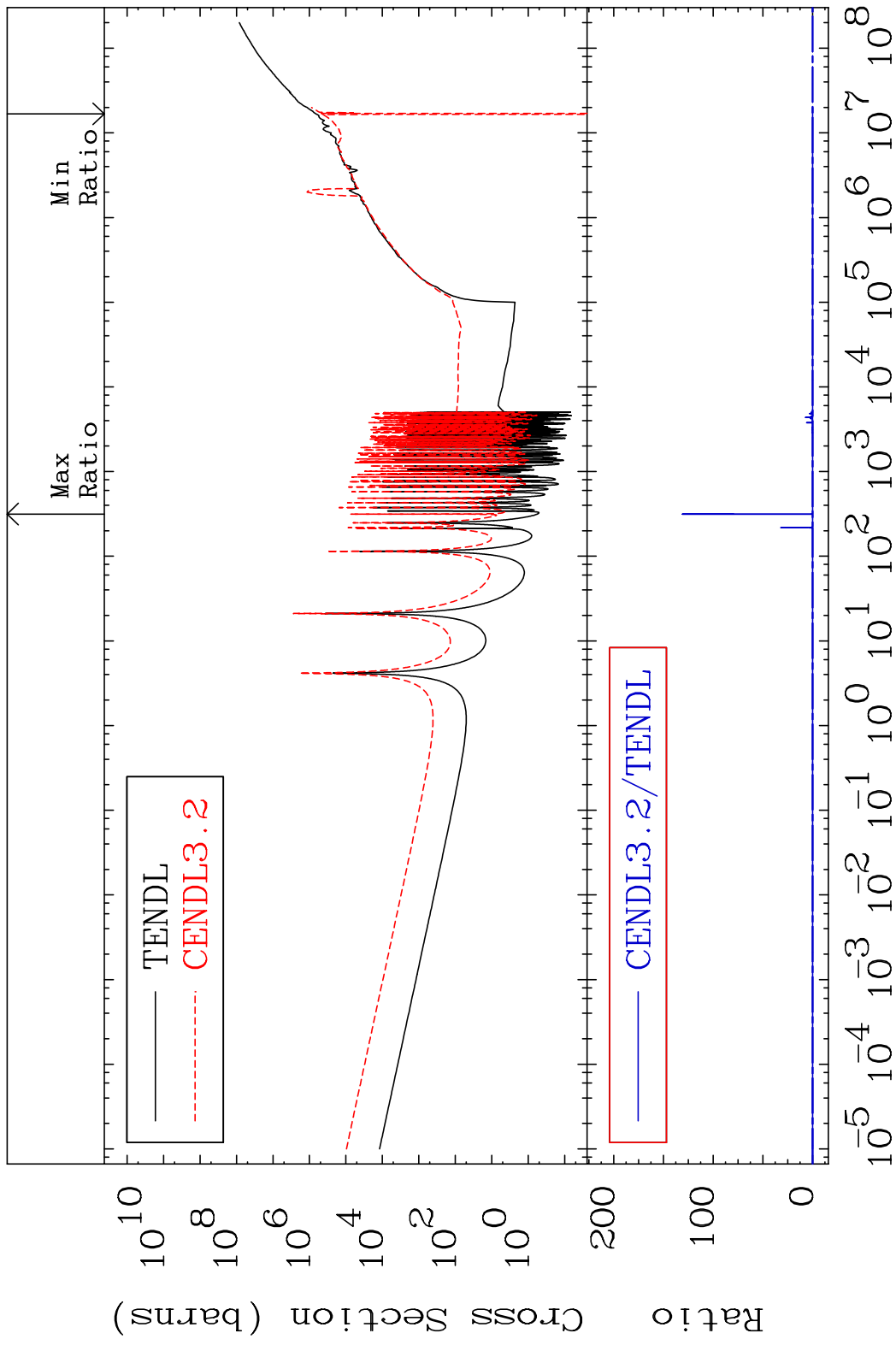


40

Incident Energy (eV)

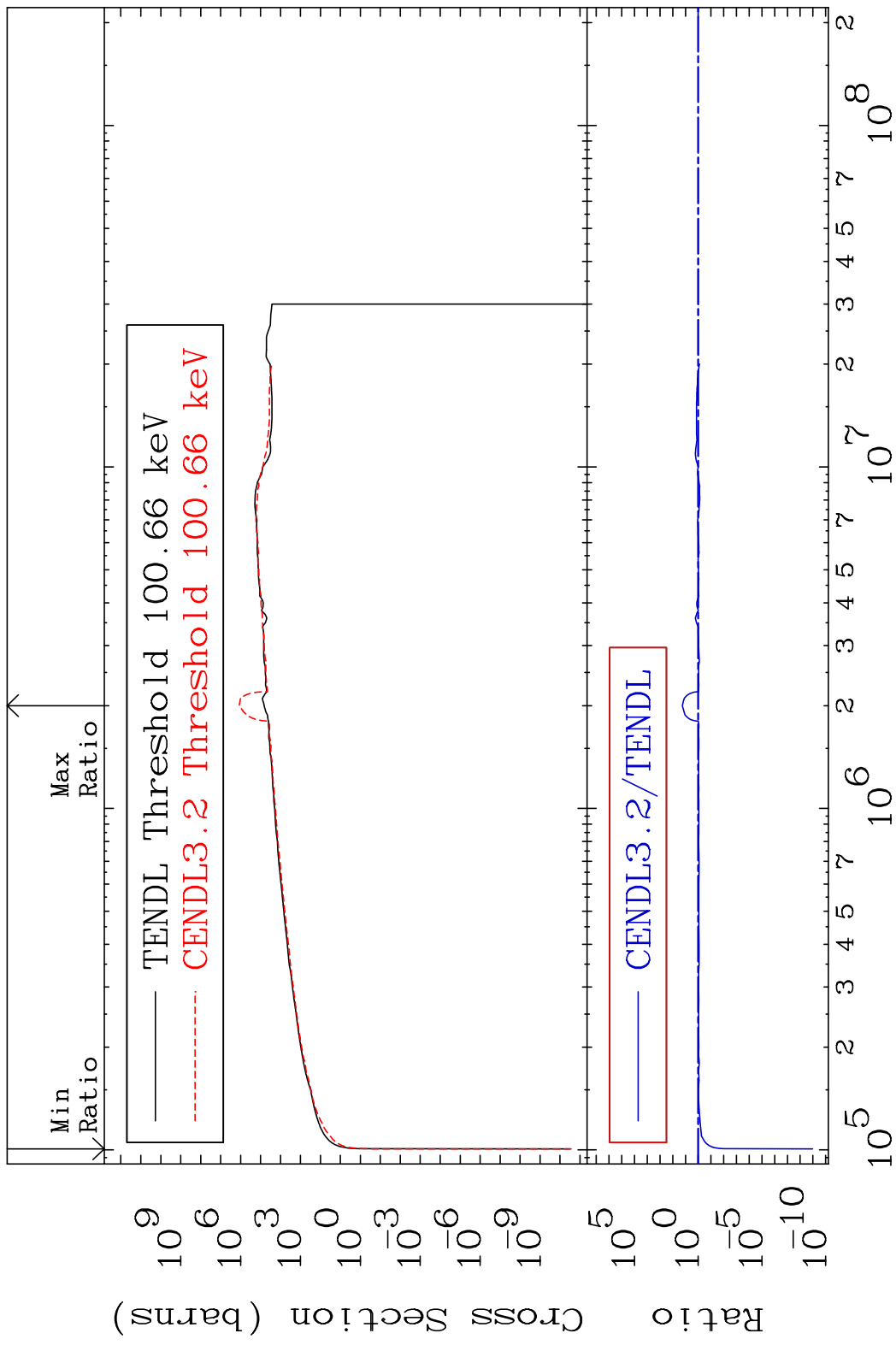
74-W -182

MAT 7431 Kerma non-elastic (all but mt2) 74-W -182
 Cross Section -519.6 To 9999. %



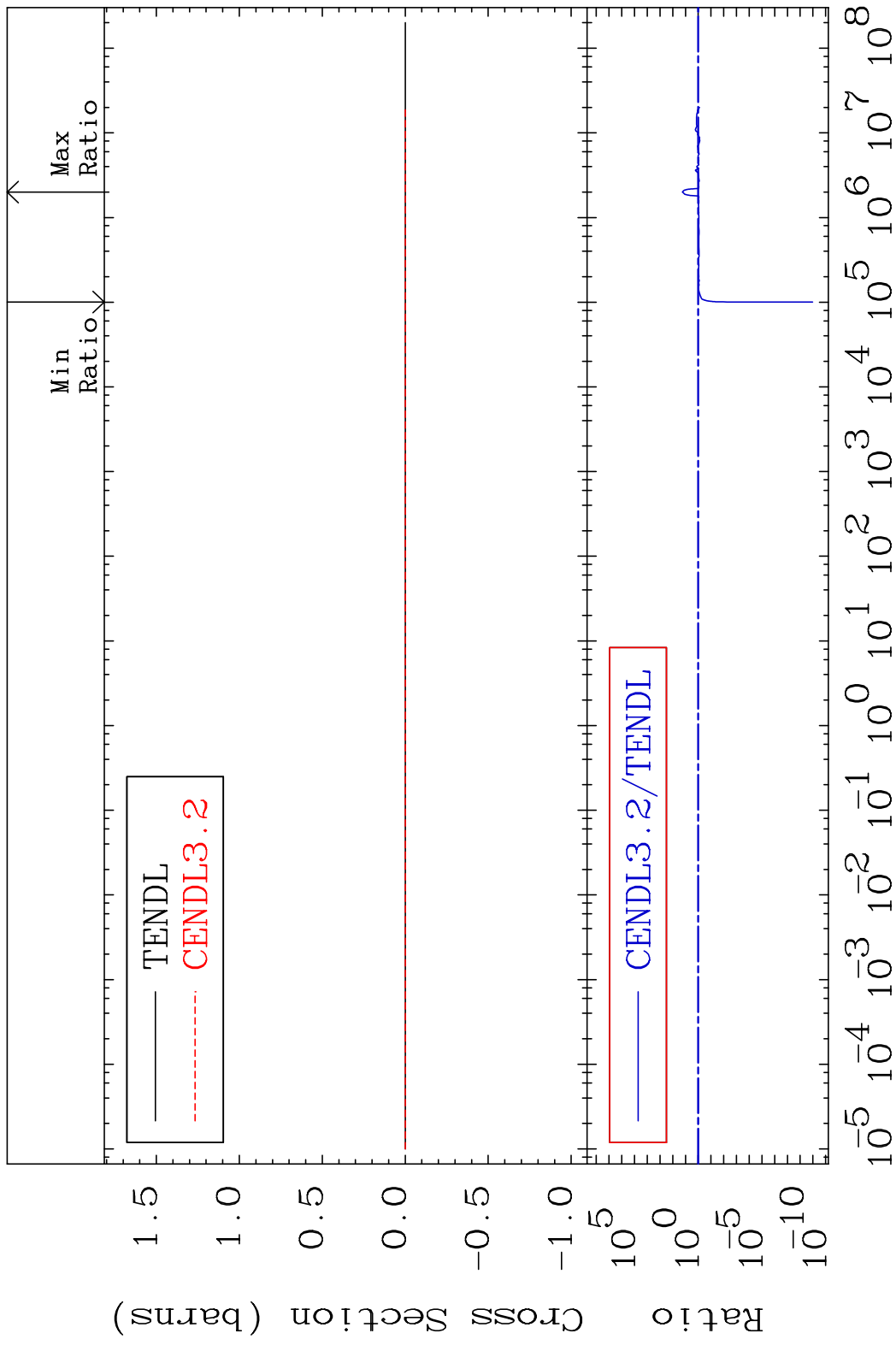
41 Incident Energy (eV) 74-W -182

MAT 7431 Kerma inelastic (mt51-91) 74-W -182
 Cross Section -100.0 To 1662. %



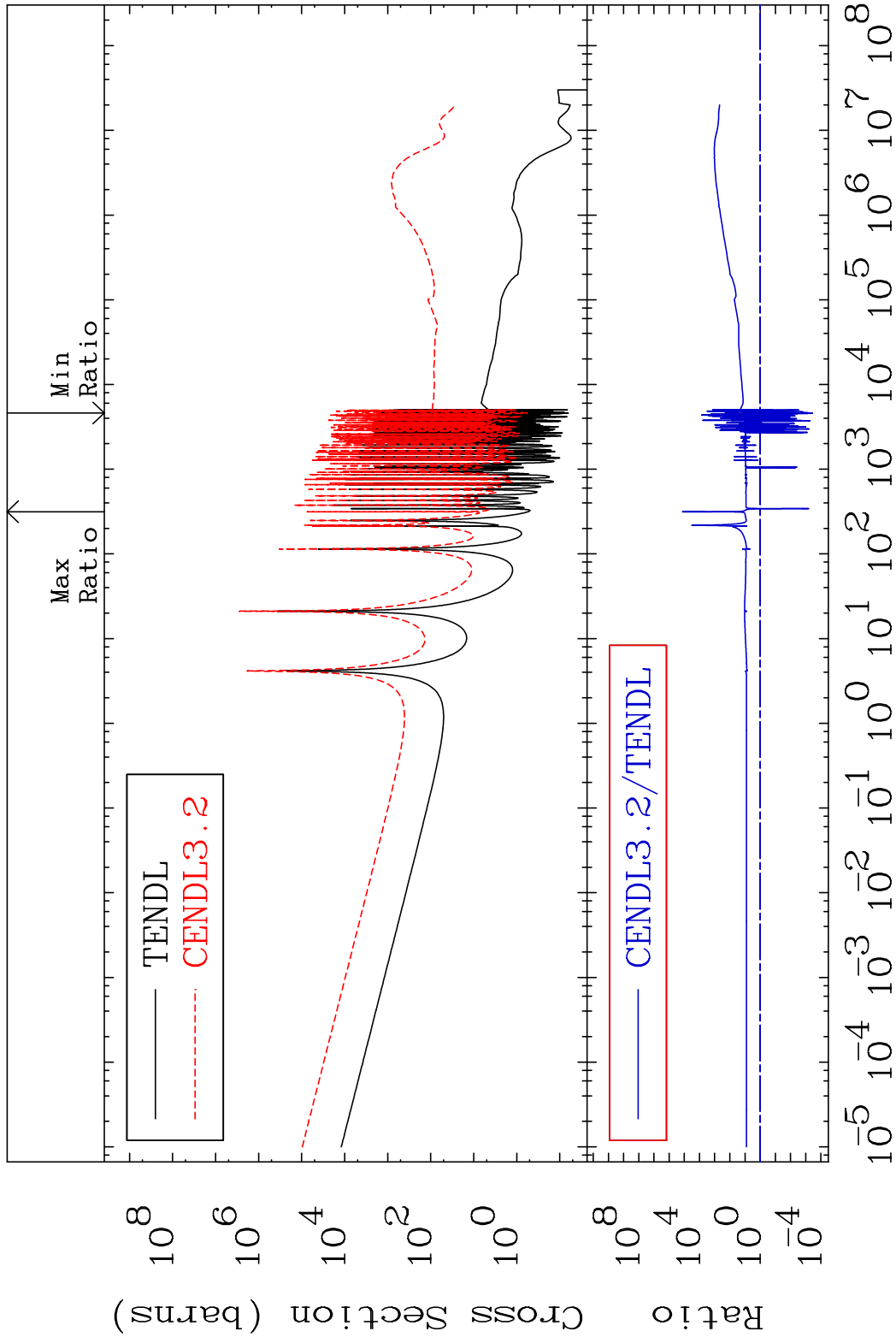
42 Incident Energy (eV) 74-W -182

MAT 7431 Kerma fission (mt18 or mt19-20-21-38)74-W -182
 Cross Section -100.0 To 1662. %



MAT 7431

Kerma capture (mt102) 74-W -182
Cross Section -99.96 To 9999. %

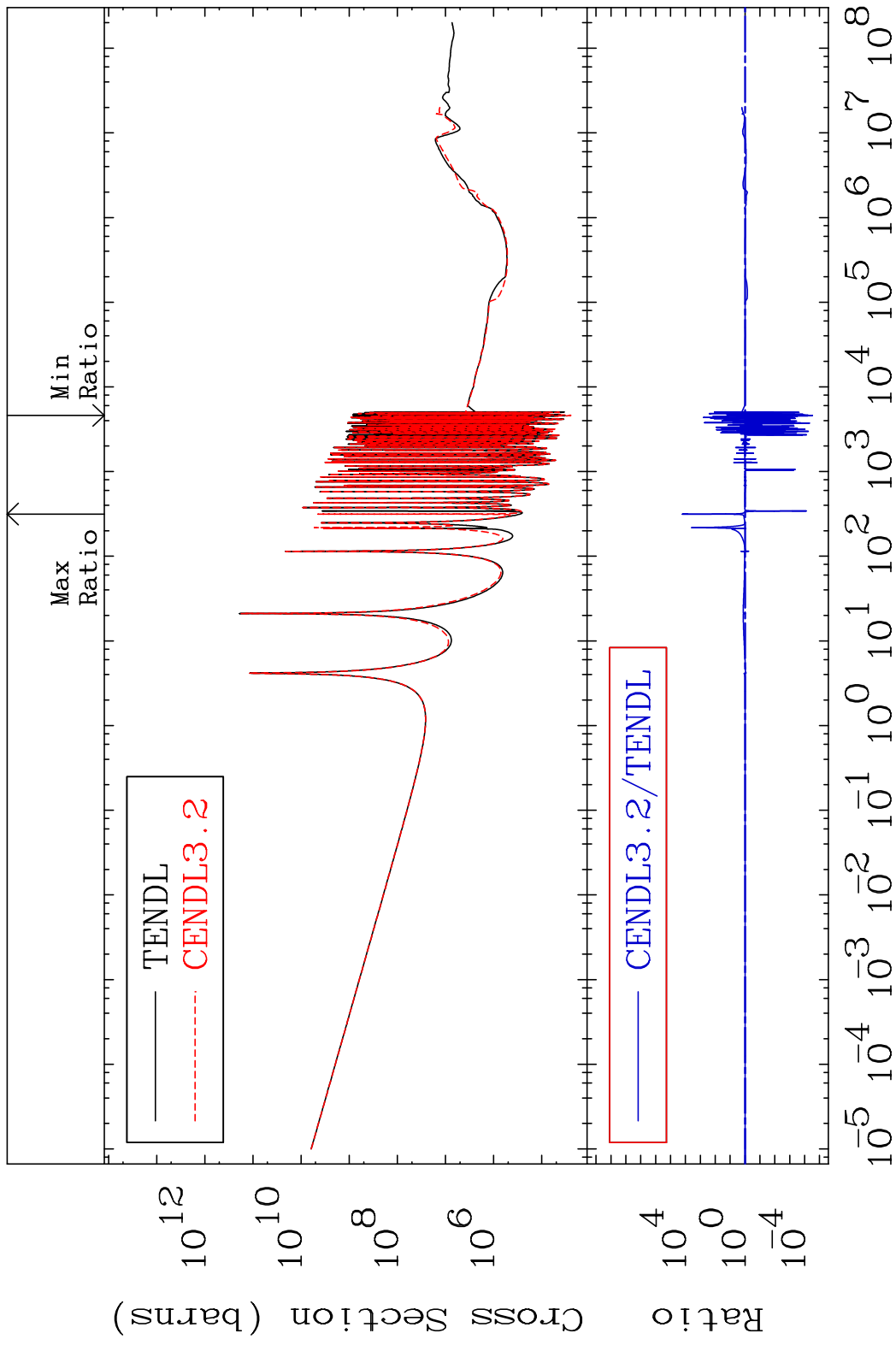


44

Incident Energy (eV)

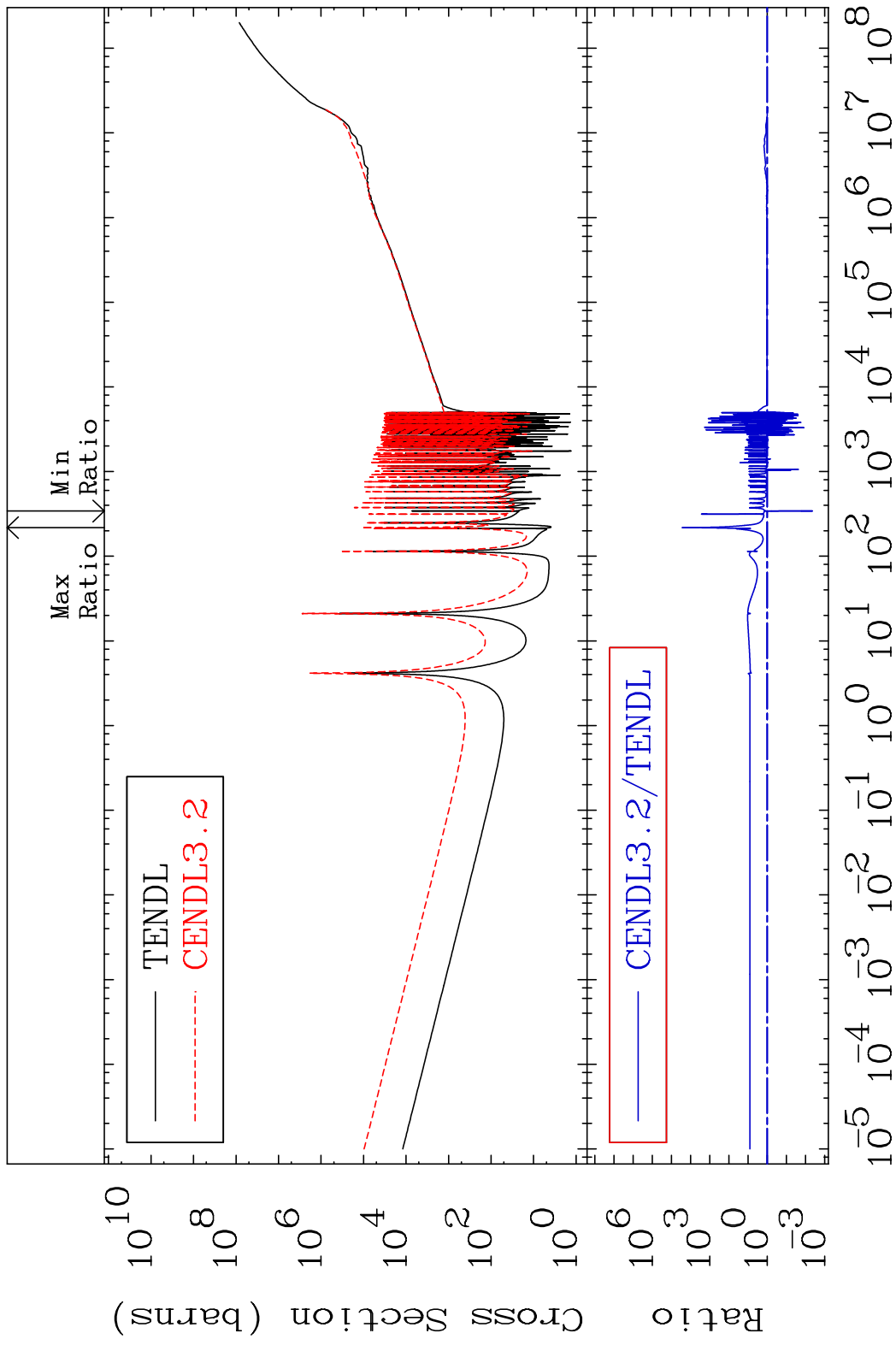
74-W -182

MAT 7431 Total photon (eV-barns) 74-W -182
Cross Section -100.0 To 9999. %



45 Incident Energy (eV) 74-W -182

MAT 7431 Total kinematic kerma (high limit) 74-W -182
 Cross Section -99.57 To 9999. %

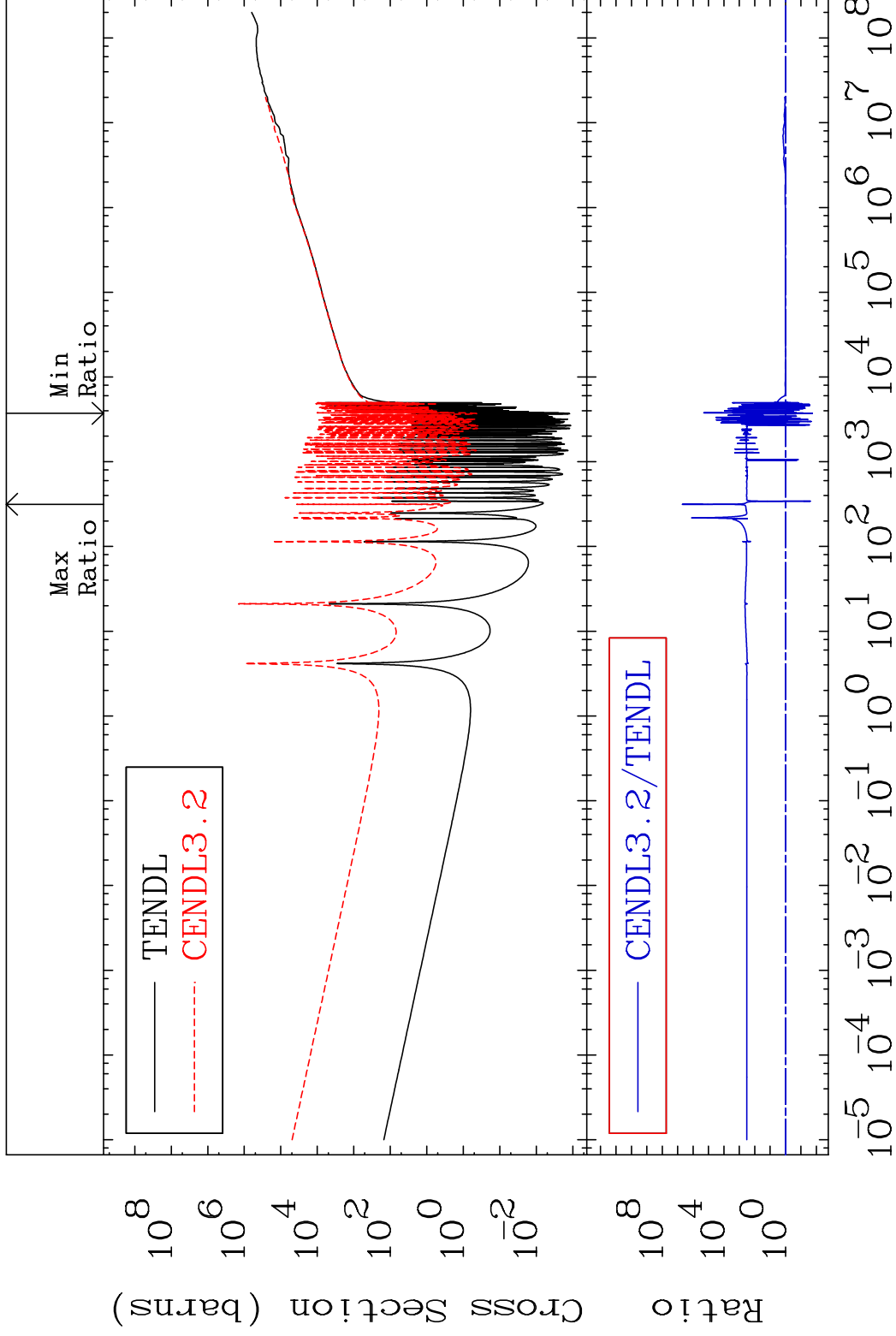


MAT 7431

Dpa total (eV-barns)

74-W -182

Cross Section -98.21 To 9999. %



47

Incident Energy (eV)

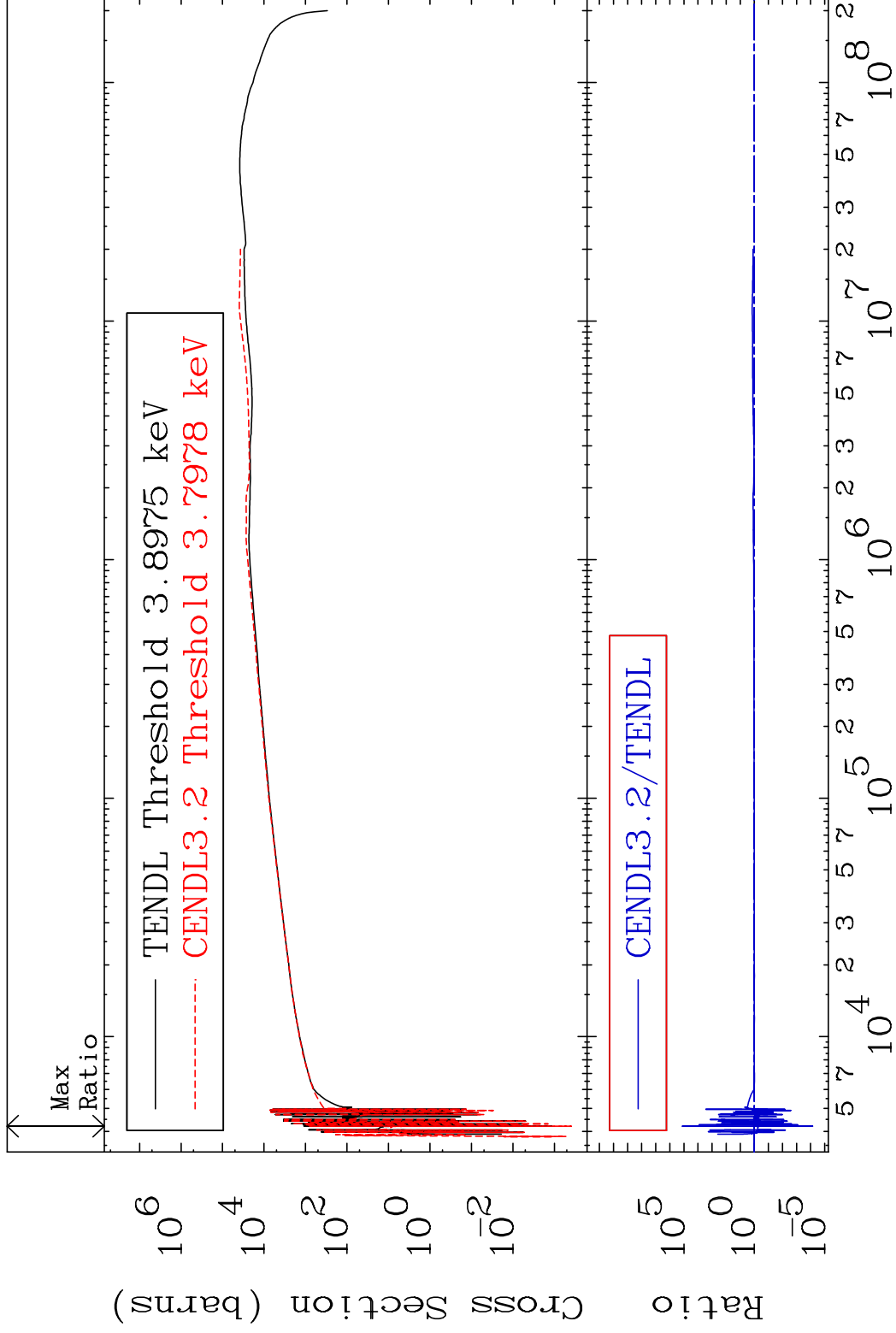
74-W -182

MAT 7431

Dpa elastic (mt2)

74-W -182

Cross Section -99.99 To 9999. %



48

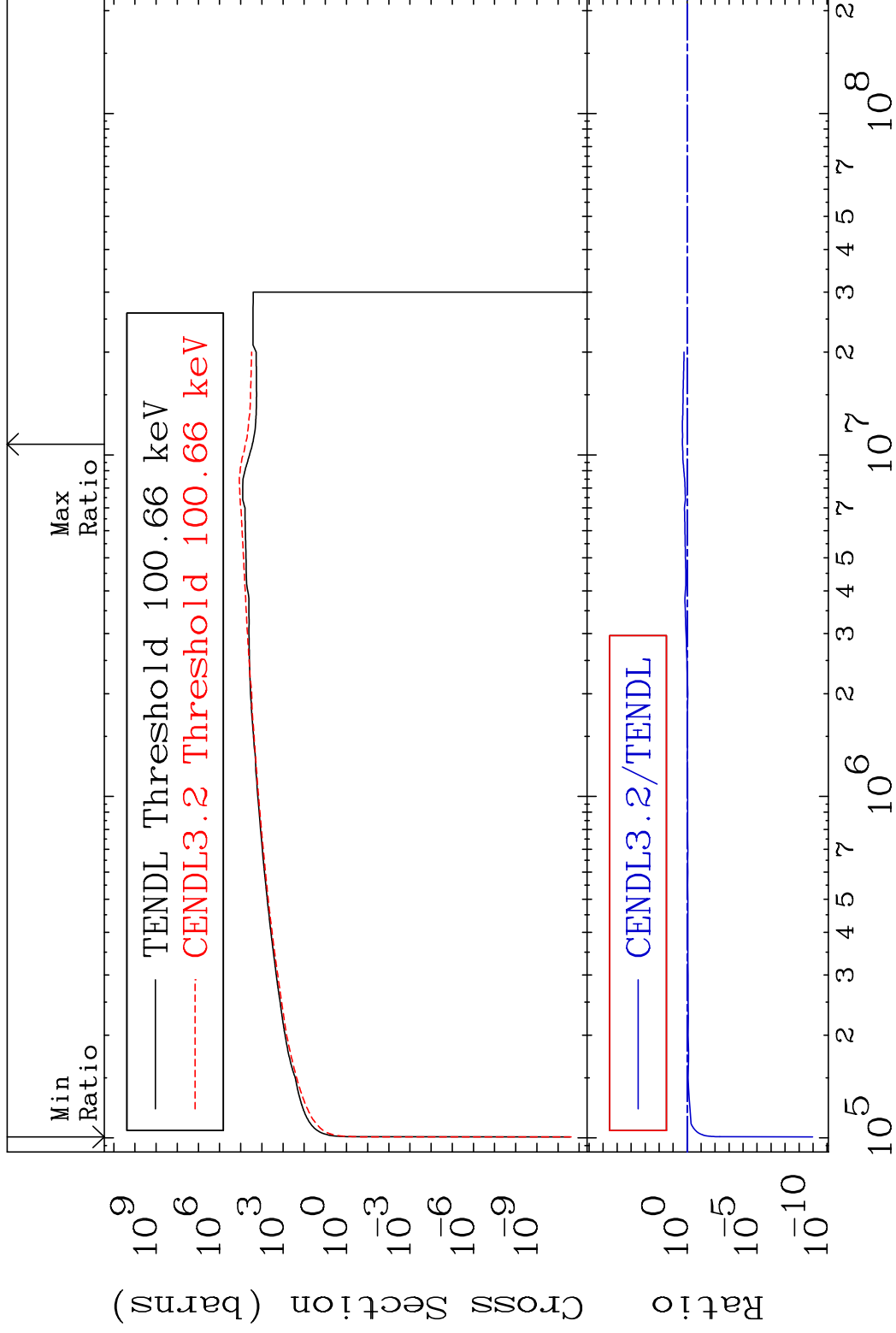
Incident Energy (eV)

74-W -182

MAT 7431

Dpa inelastic (mt51-91) 74-W -182

Cross Section -100.0 To 118.1 %

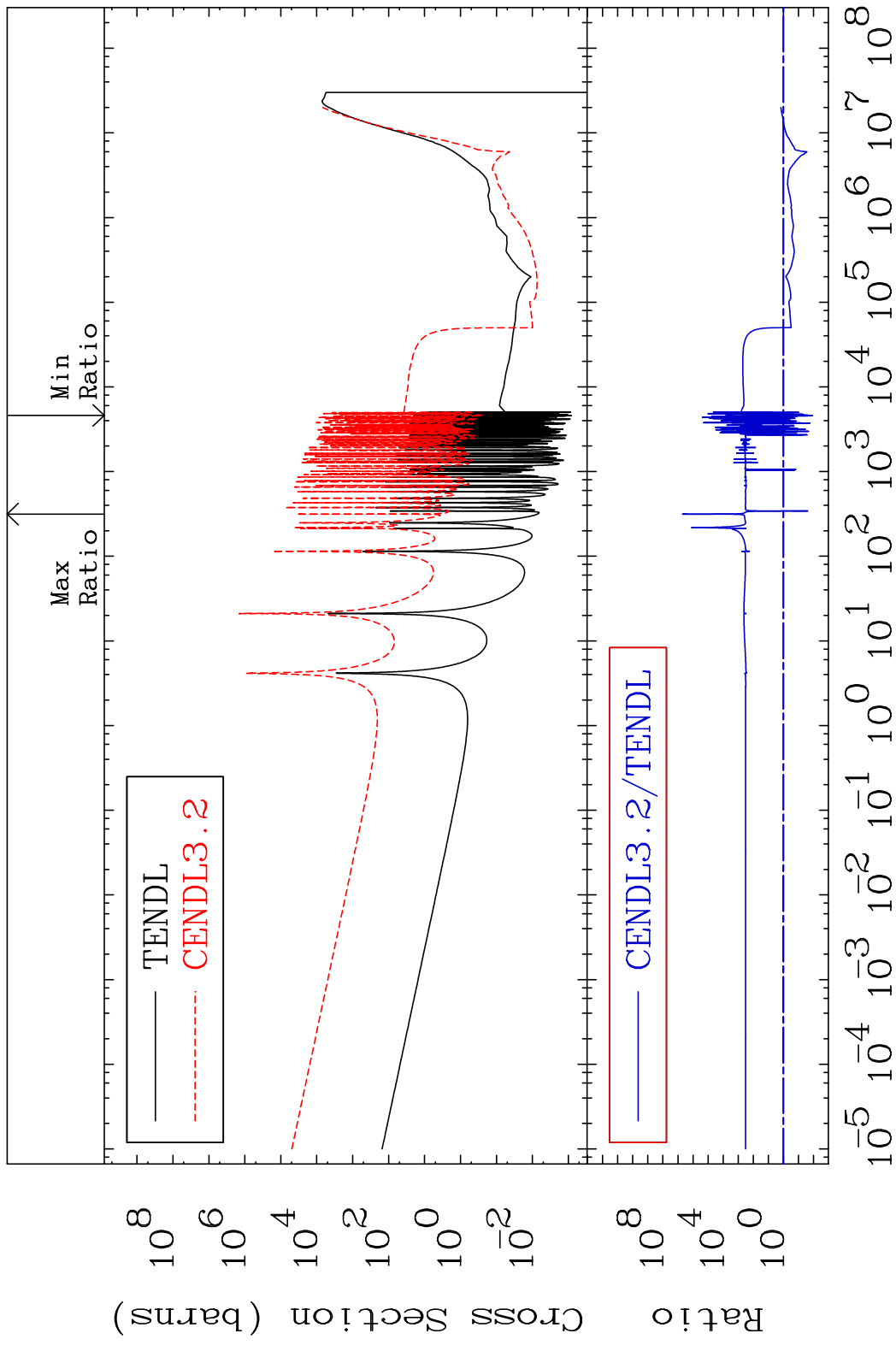


49

Incident Energy (eV)

74-W -182

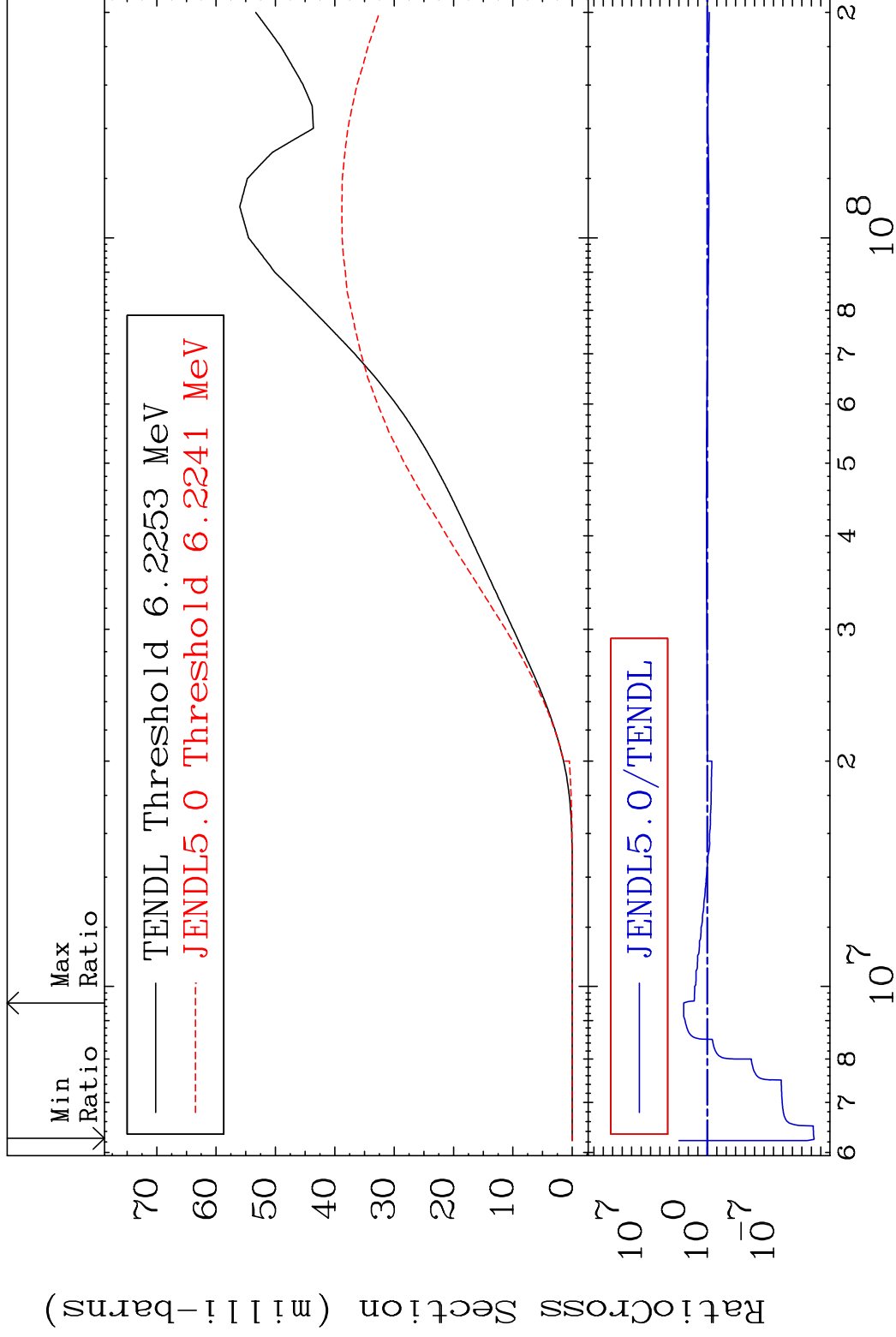
MAT 7431 Dpa disappearance (mt102 -120) 74-W -182
 Cross Section -98.82 To 9999. %



50 Incident Energy (eV) 74-W -182

MAT 7431

Tritium Production 74-W -182
Cross Section -100.0 To 9999. %



51

Incident Energy (eV)

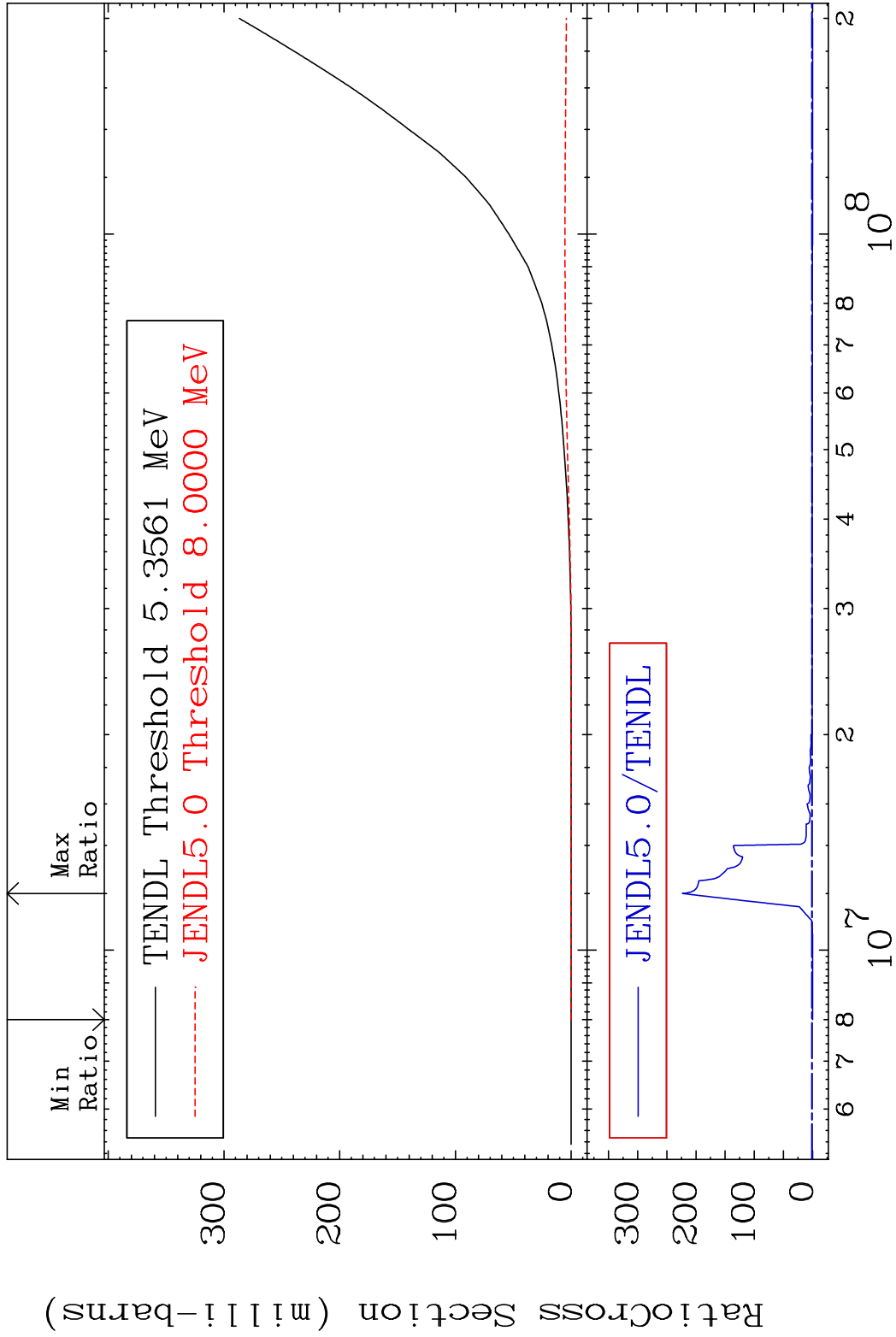
74-W -182

MAT 7431

He-3 Production

74-W -182

Cross Section -100.0 To 9999. %



52

Incident Energy (eV)

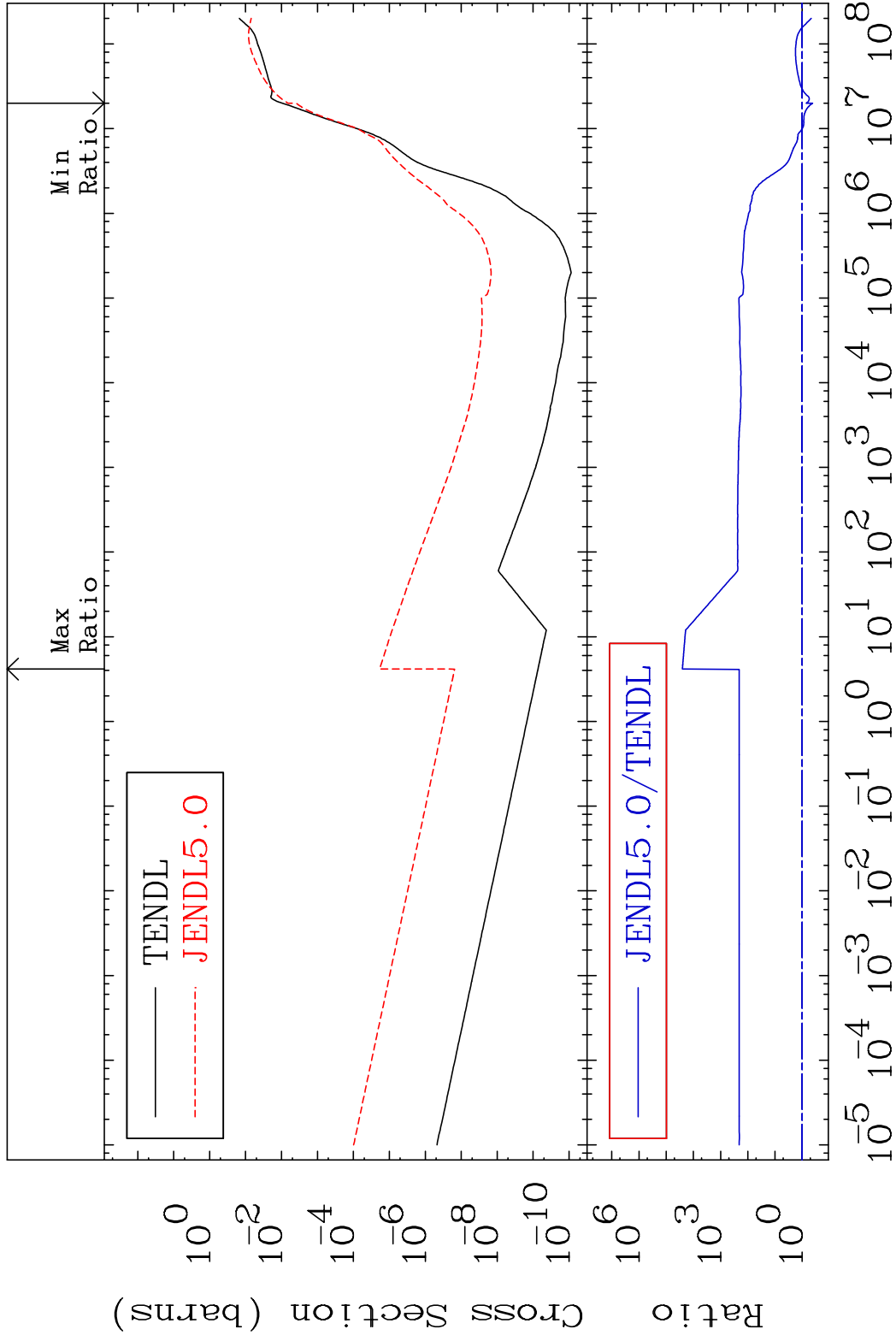
74-W -182

MAT 7431

He-4 Production

74-W -182

Cross Section -58.29 To 9999. %

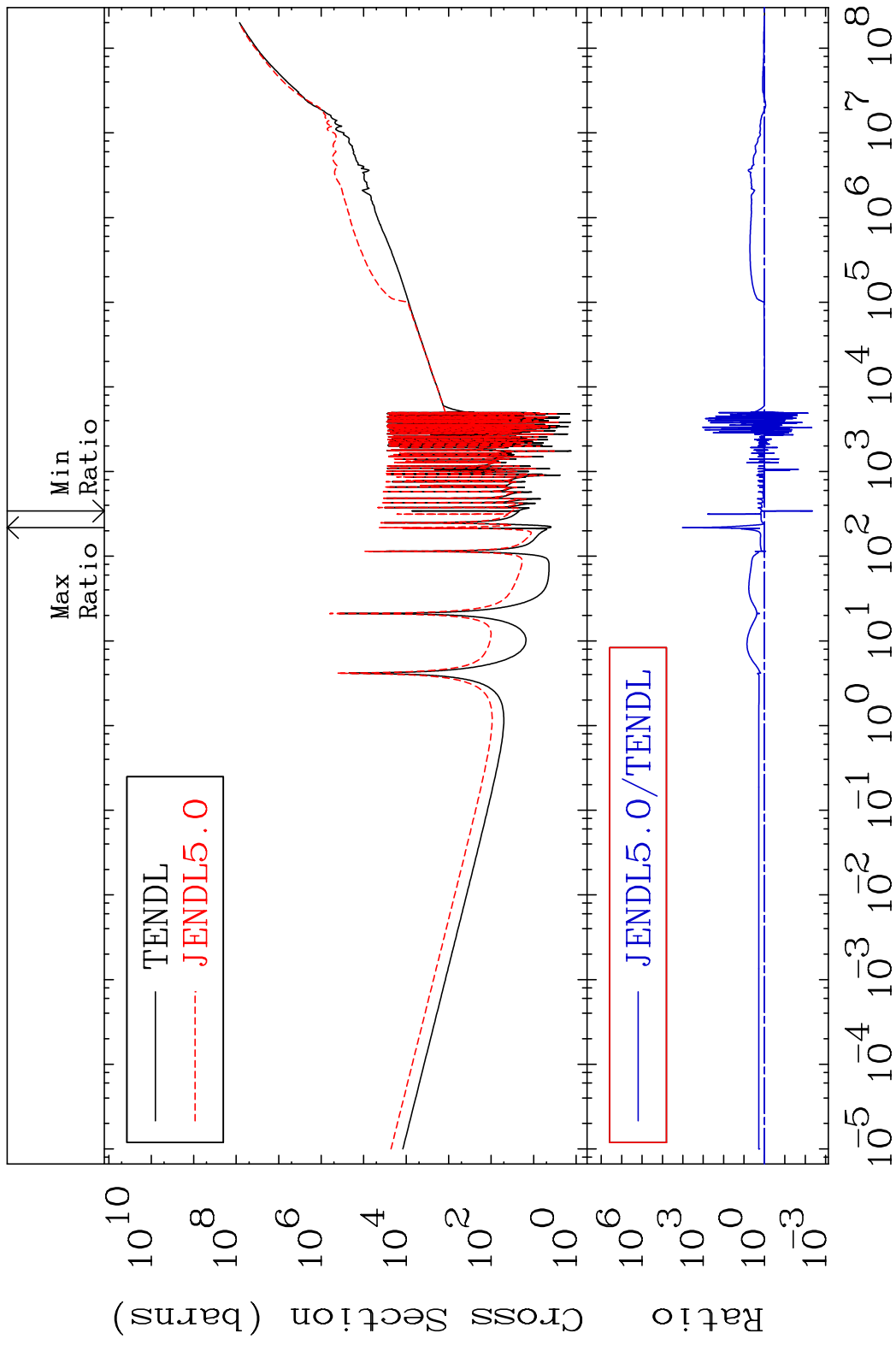


53

Incident Energy (eV)

74-W -182

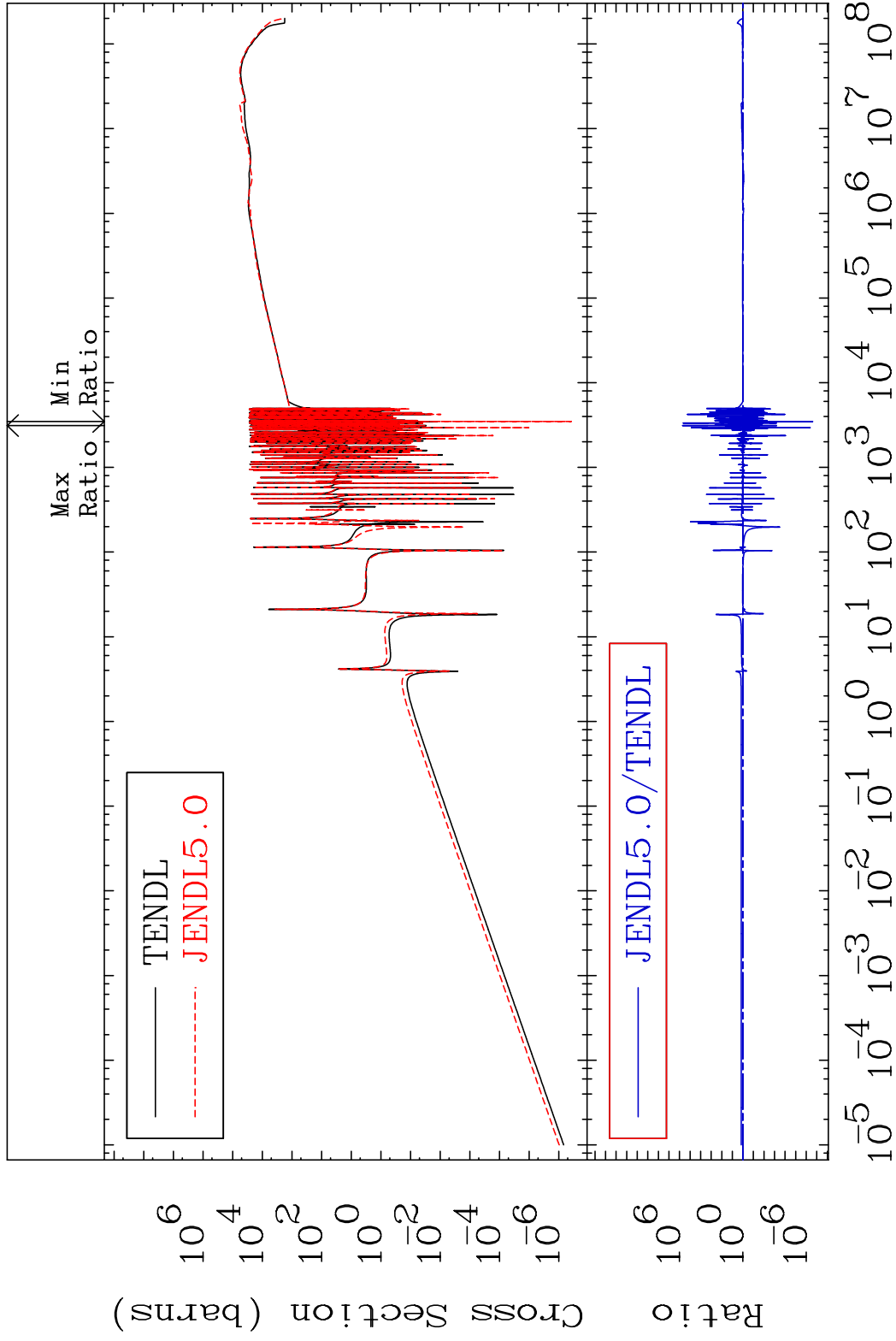
MAT 7431 Kerma total (eV-barns) 74-W -182
 Cross Section -99.56 To 9999. %



54 Incident Energy (eV) 74-W -182

MAT 7431

Kerma elastic
Cross Section -100.0 To 9999. %
74-W -182

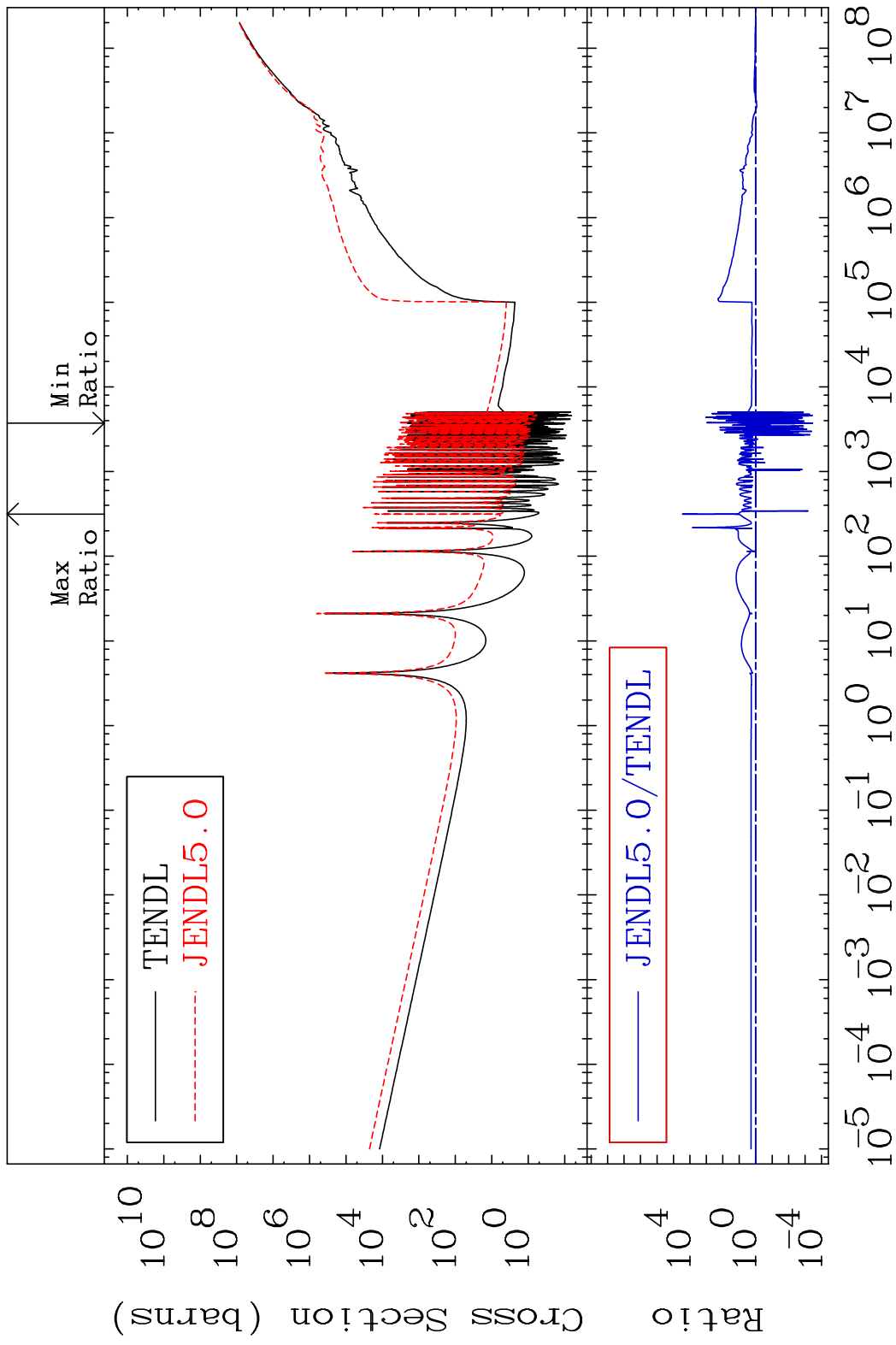


55

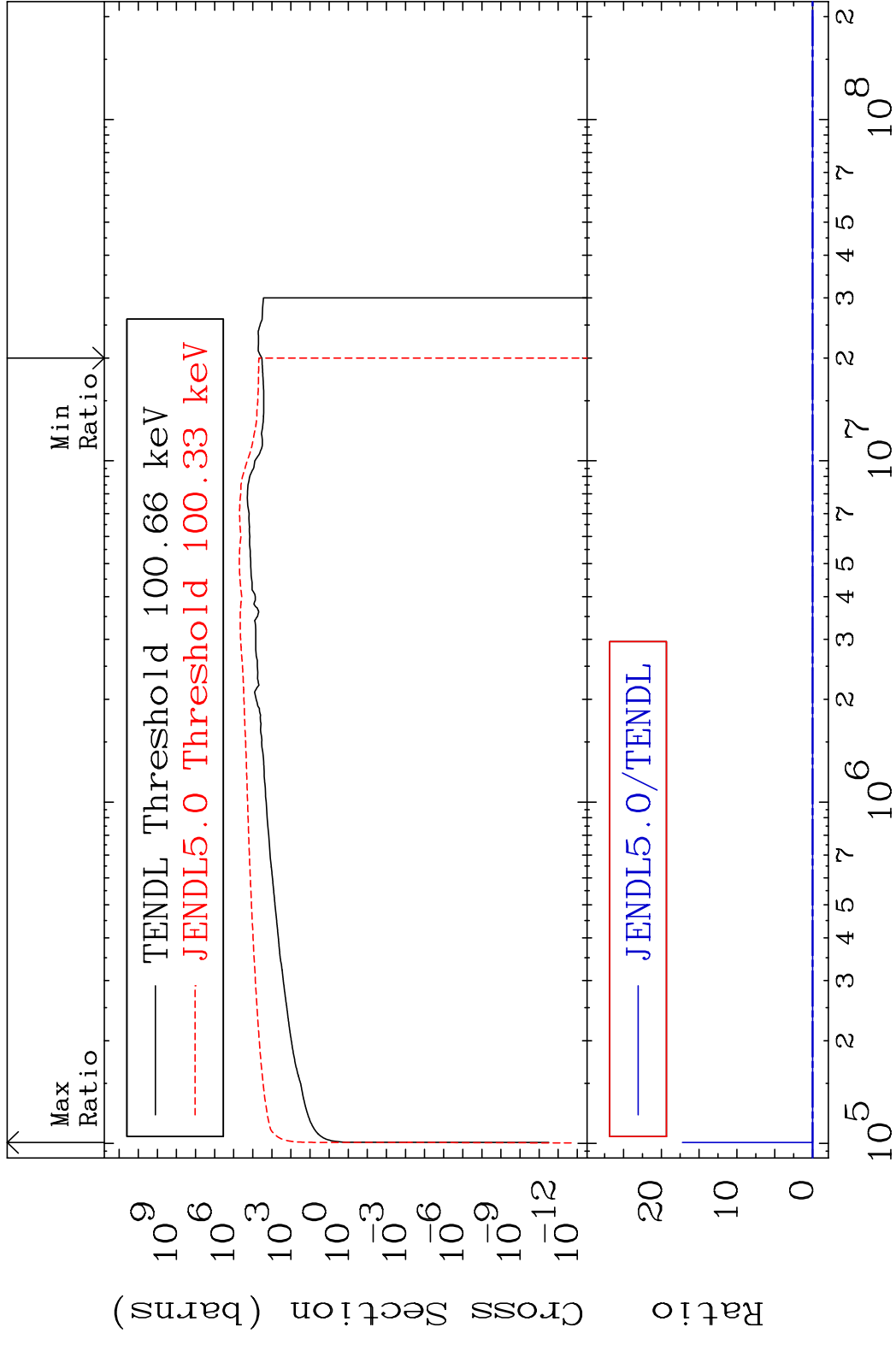
Incident Energy (eV)

74-W -182

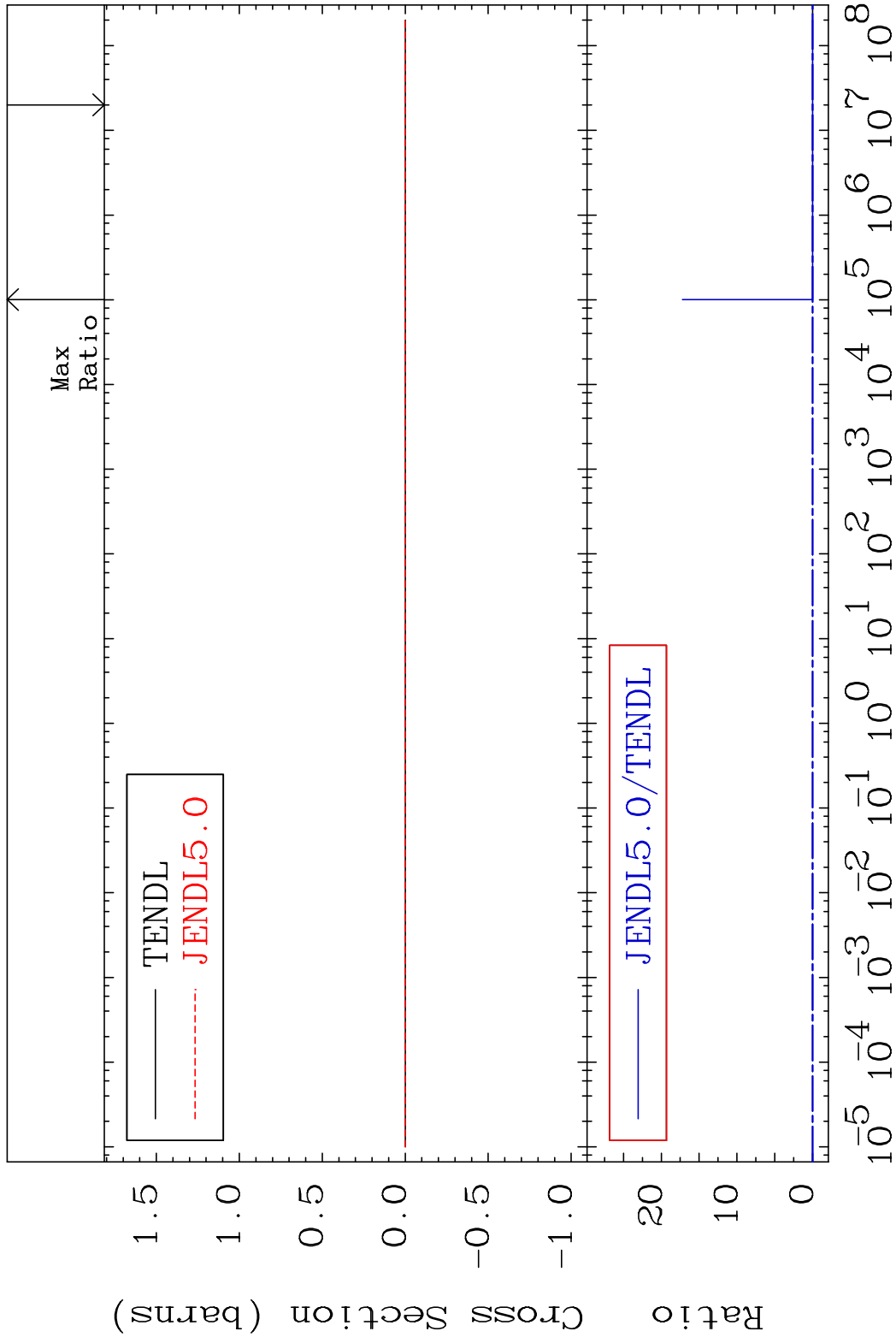
MAT 7431 Kerma non-elastic (all but mt2) 74-W -182
 Cross Section -99.96 To 9999. %



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



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

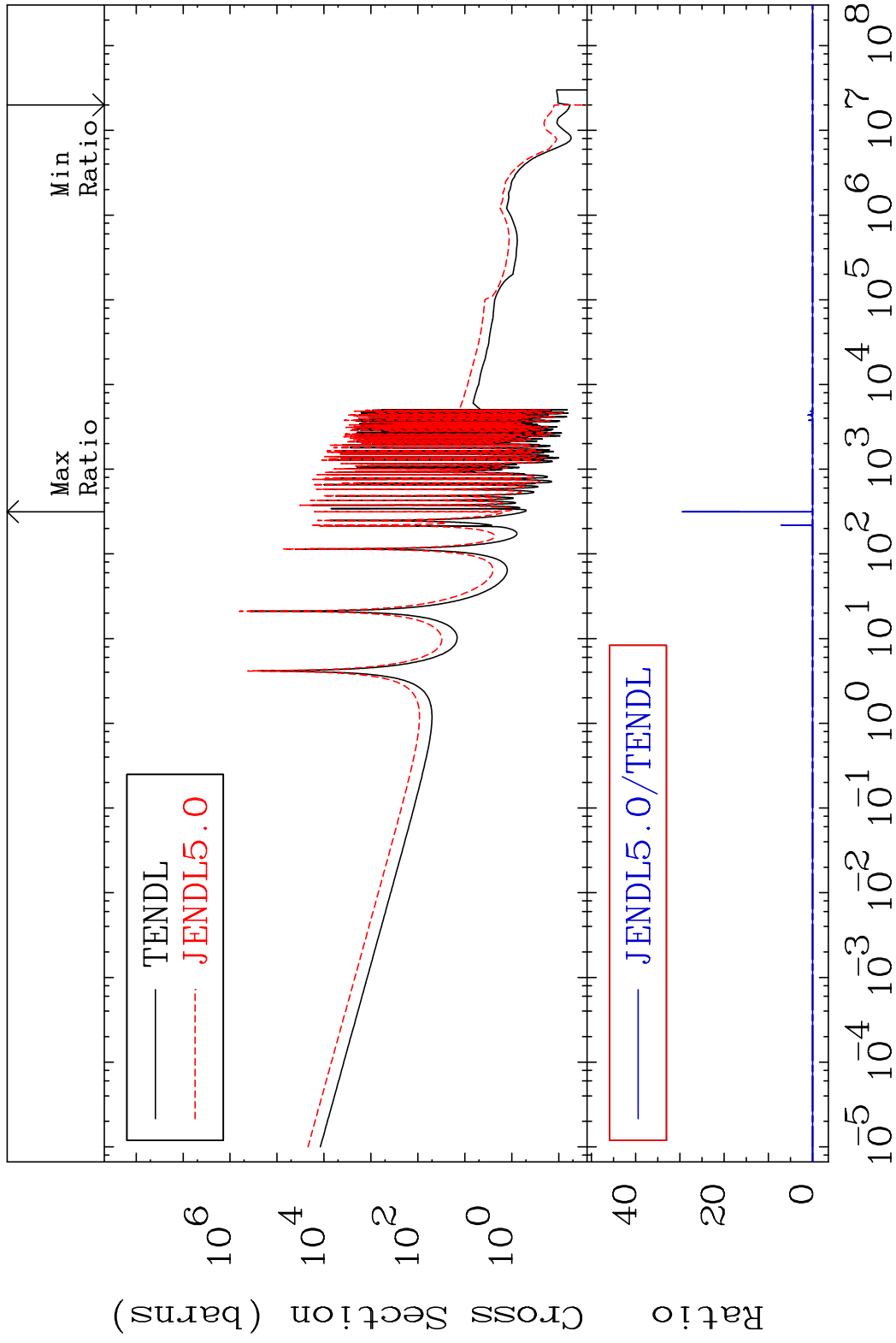


MAT 7431

Kerma capture (mt102)

74-W -182

Cross Section -100.0 To 9999. %

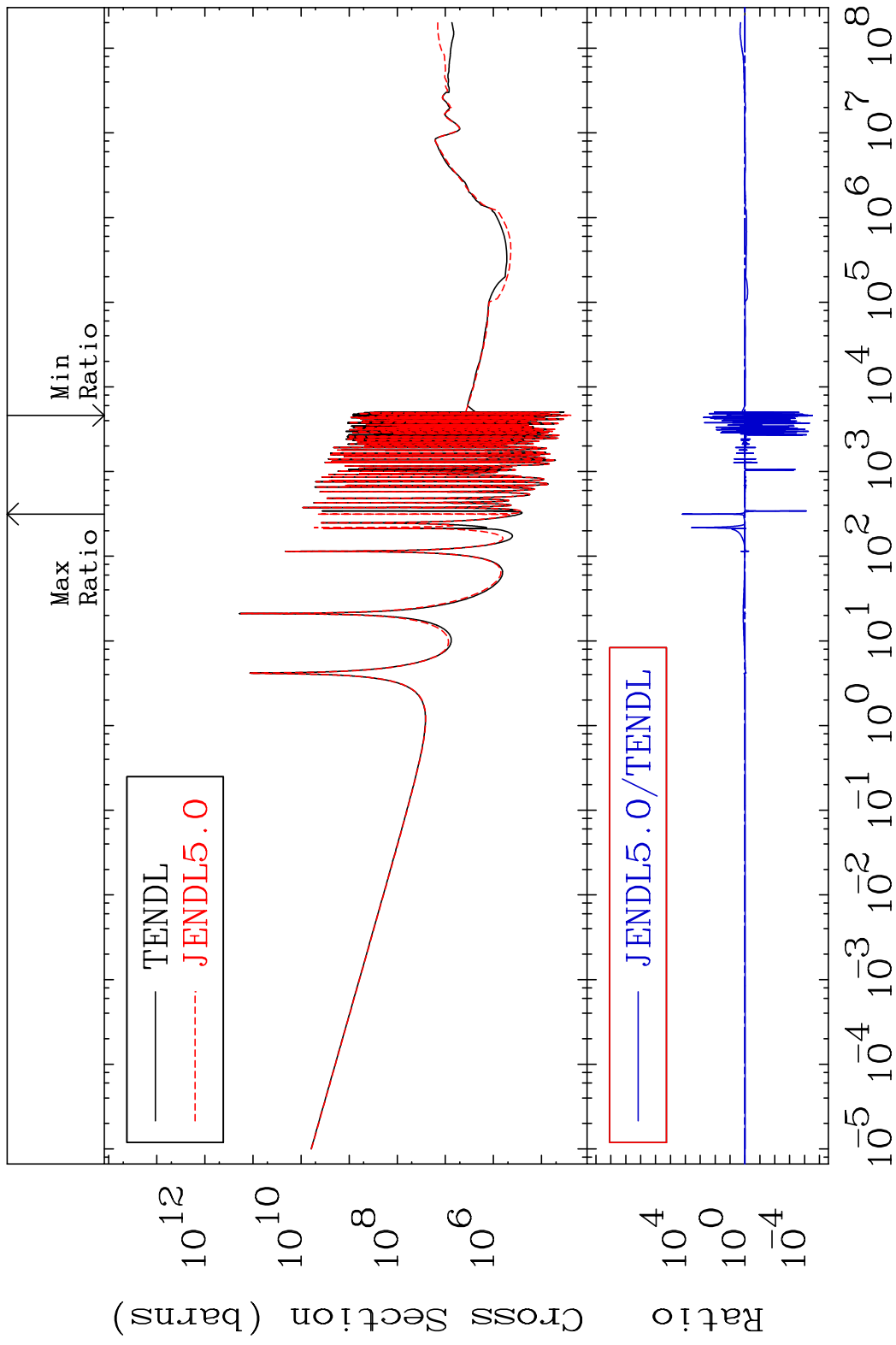


59

Incident Energy (eV)

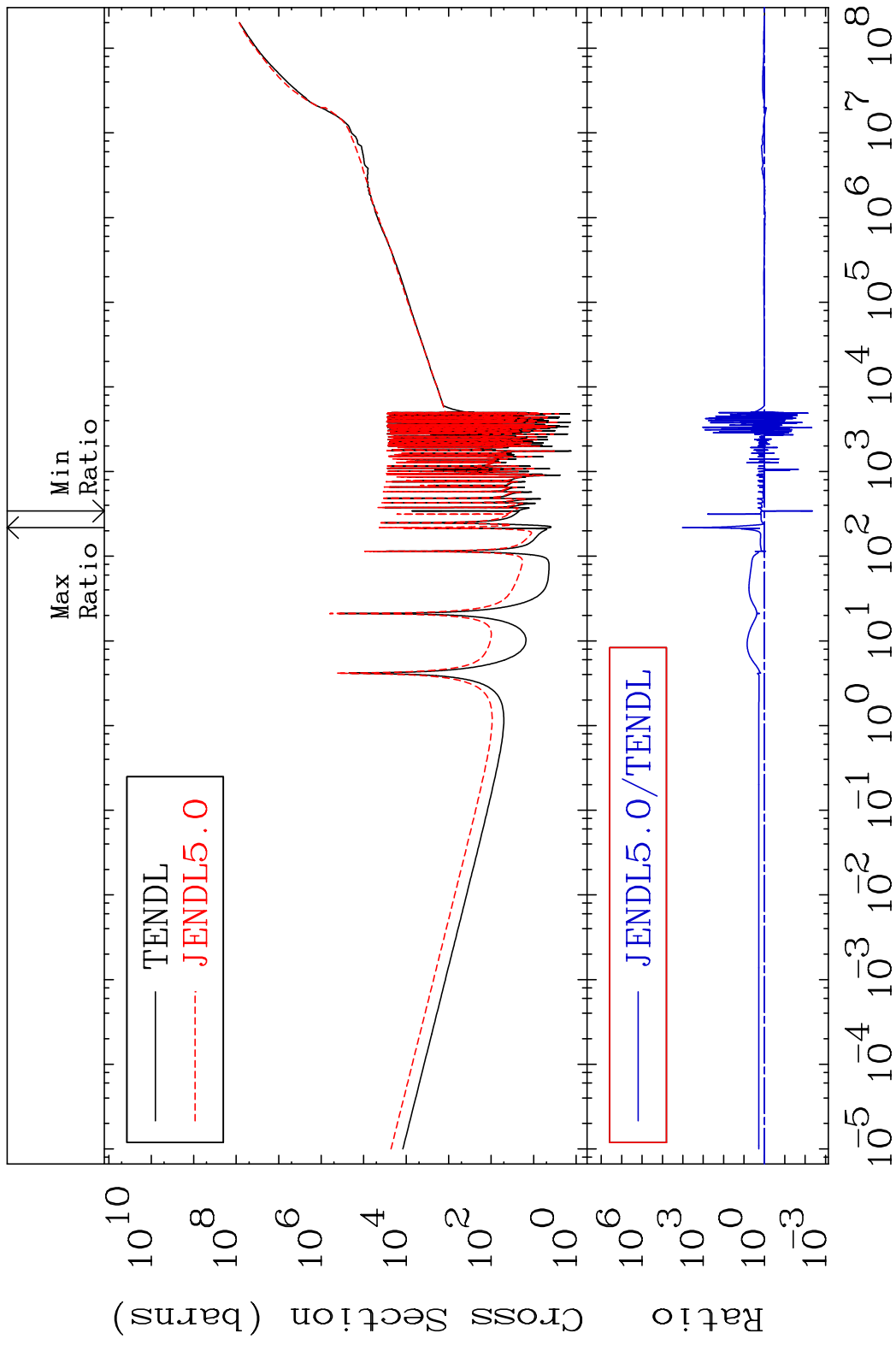
74-W -182

MAT 7431 Total photon (eV-barns) 74-W -182
Cross Section -100.0 To 9999. %



60 Incident Energy (eV) 74-W -182

MAT 7431 Total kinematic kerma (high limit) 74-W -182
Cross Section -99.56 To 9999. %

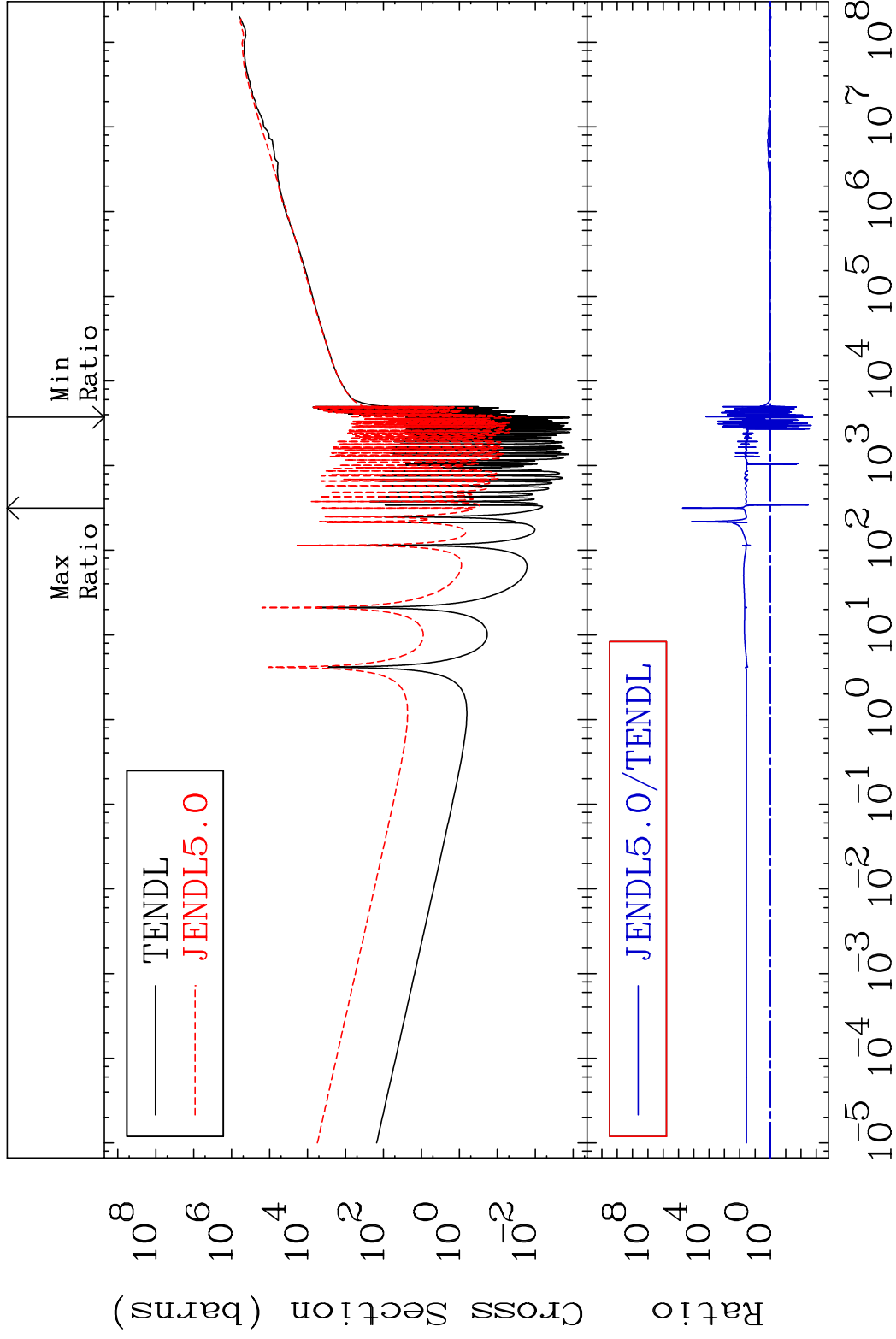


MAT 7431

Dpa total (eV-barns)

74-W -182

Cross Section -99.82 To 9999. %



62

Incident Energy (eV)

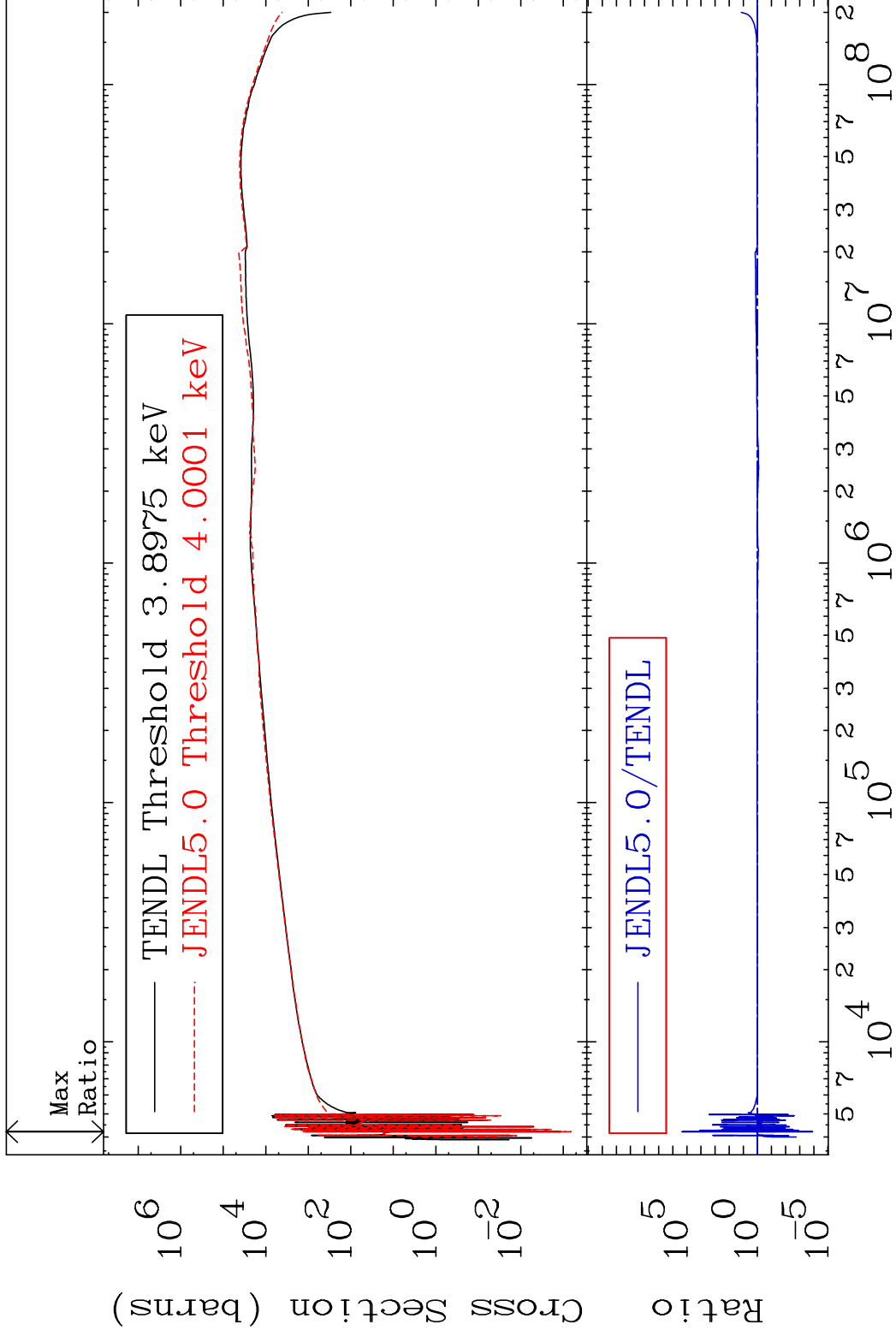
74-W -182

MAT 7431

Dpa elastic (mt2)

74-W -182

Cross Section -99.99 To 9999. %

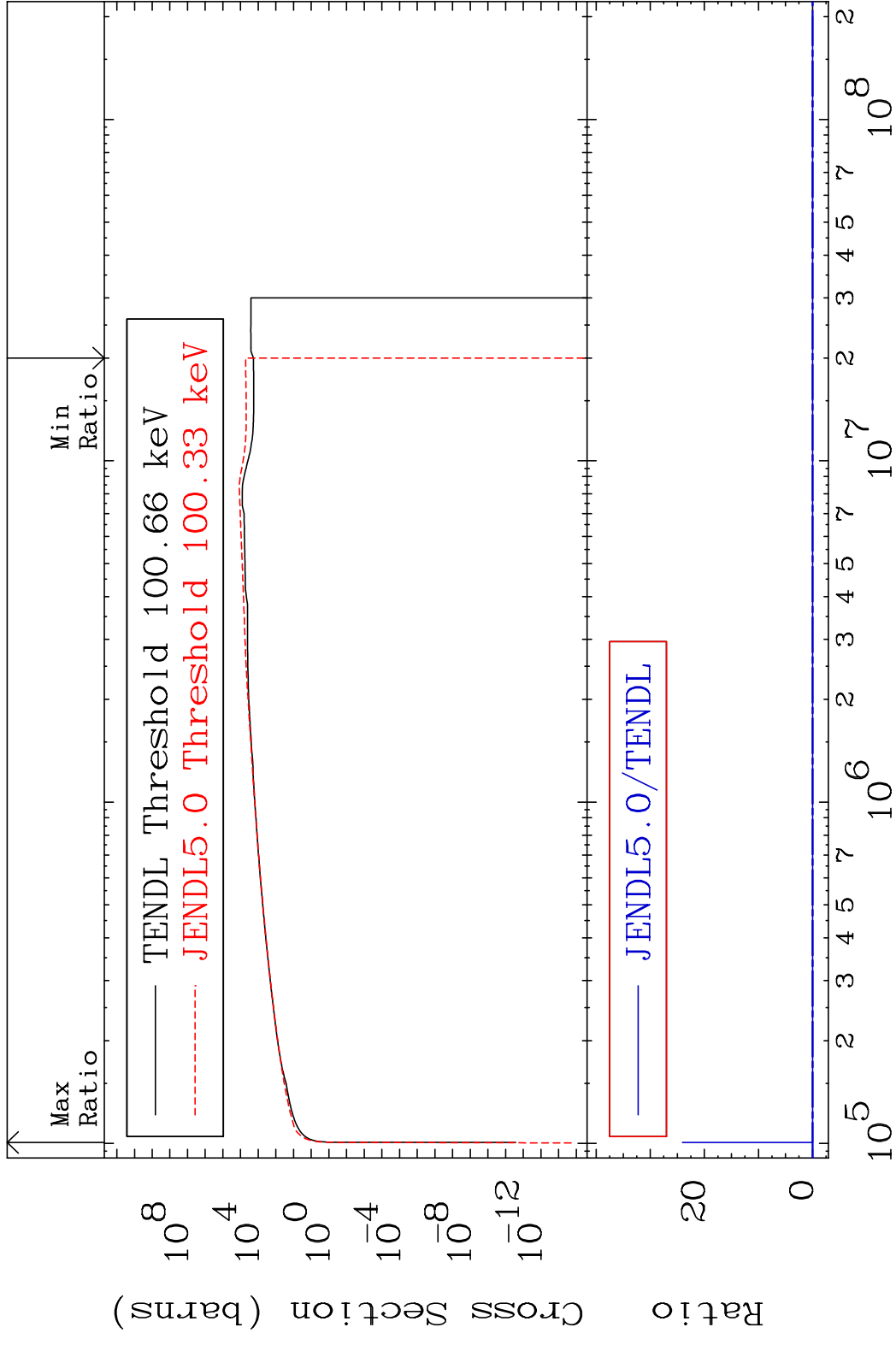


63

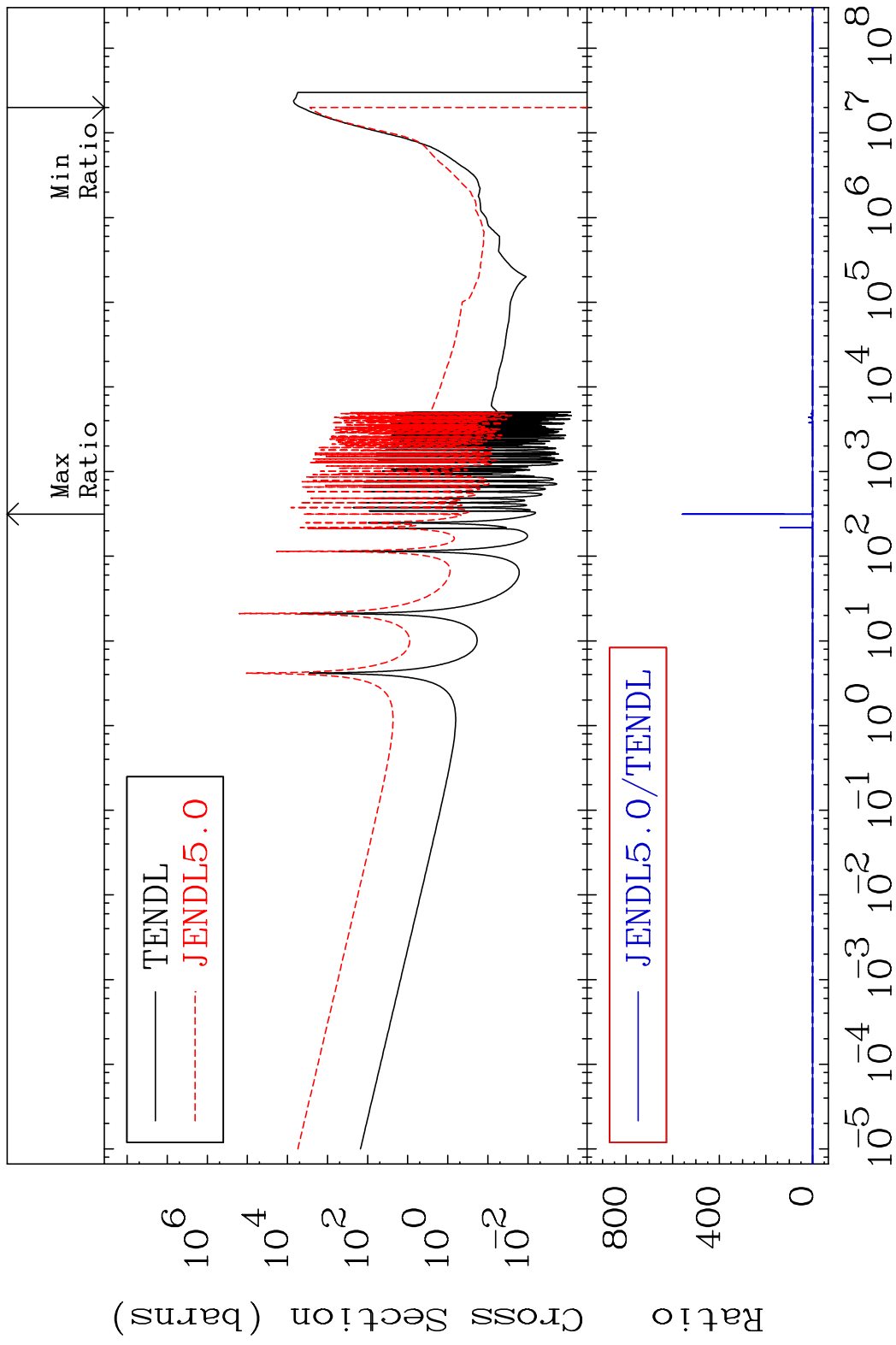
Incident Energy (eV)

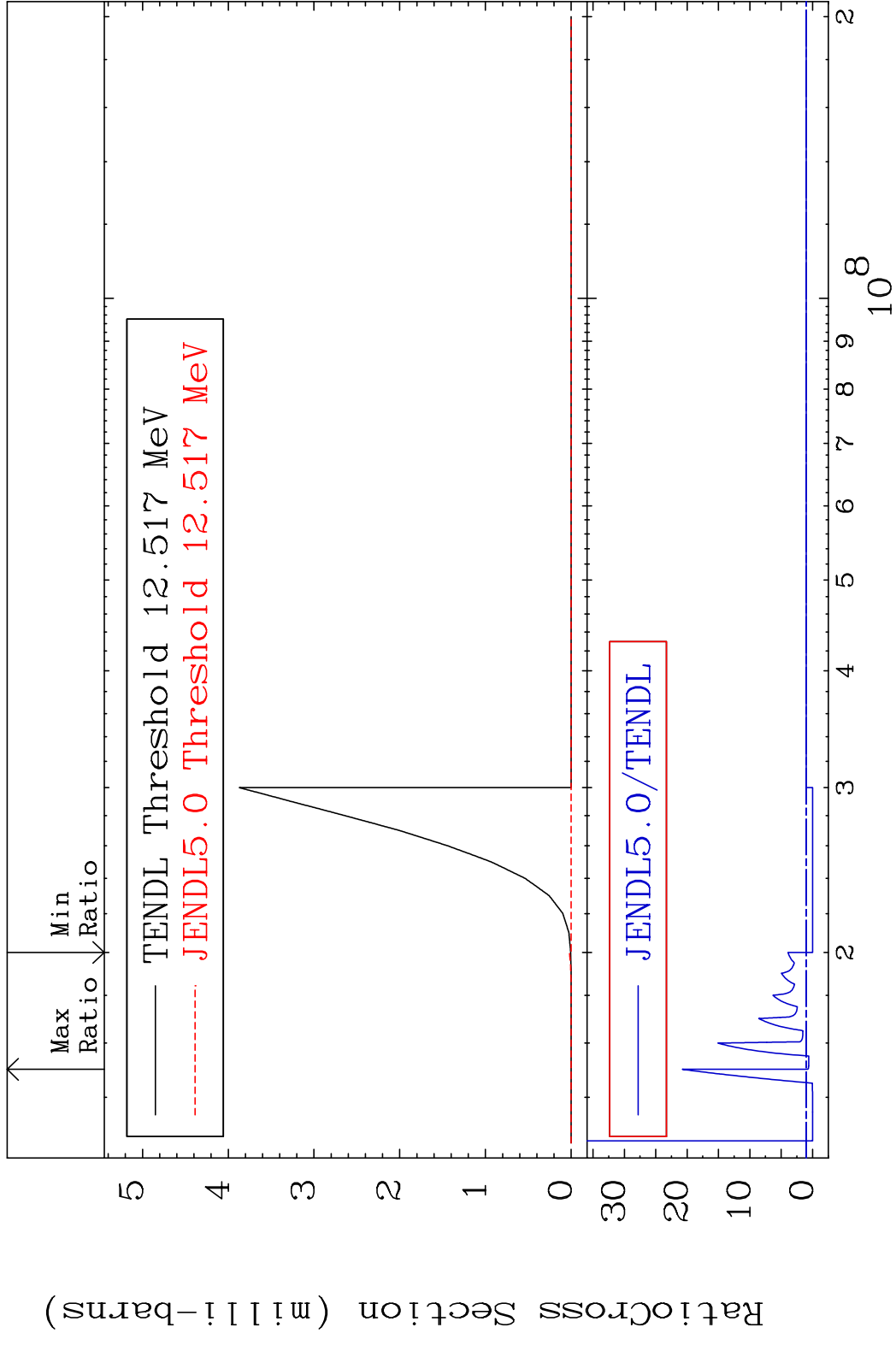
74-W -182

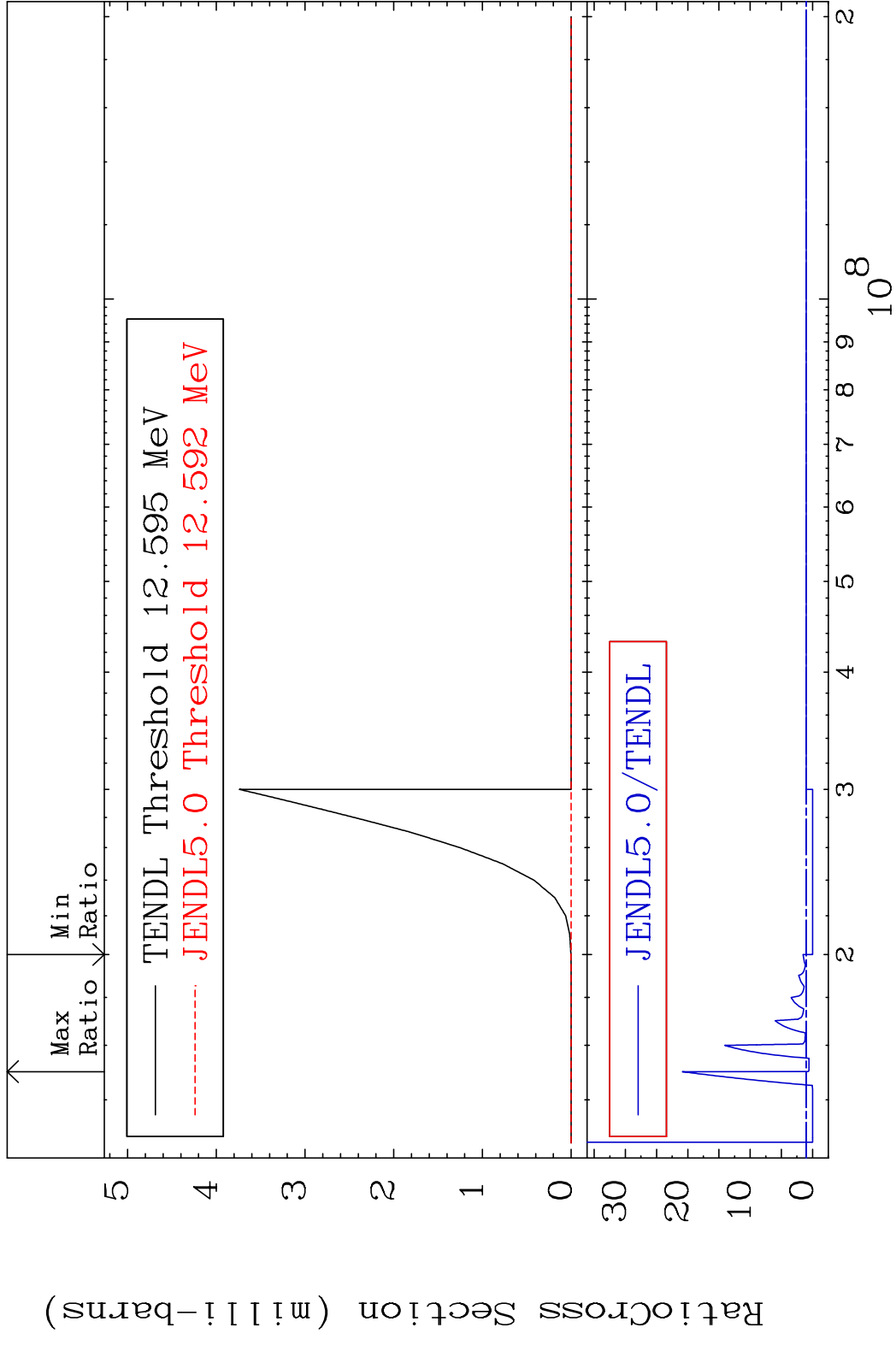
MAT 7431 Dpa inelastic (mt51-91) 74-W -182
 Cross Section -100.0 To 9999. %



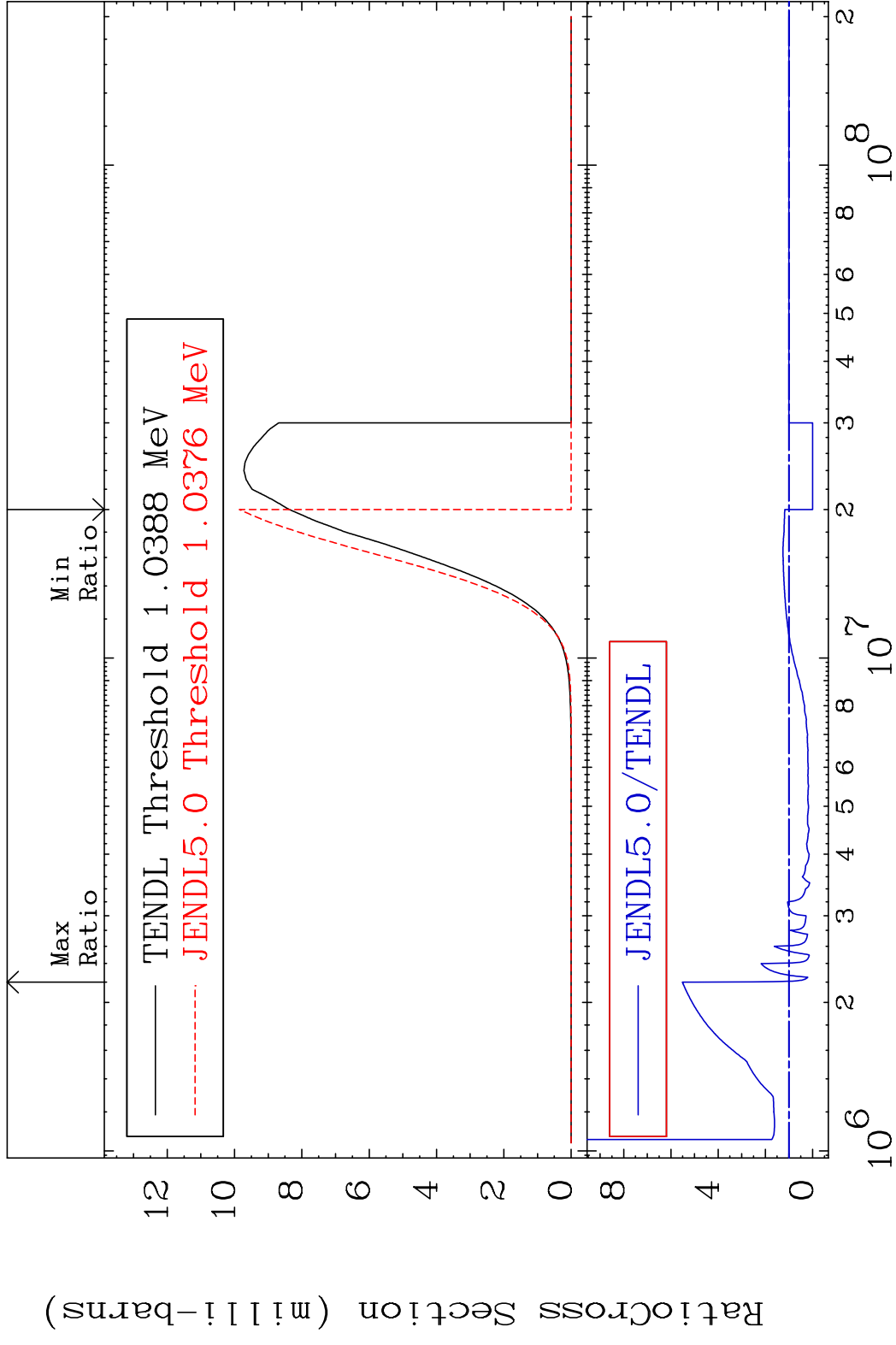
MAT 7431 Dpa disappearance (mt102 -120) 74-W -182
 Cross Section -100.0 To 9999. %







MAT 7431 (n,p):73-Ta-182g 74-W -182
 Radionuclide Production Cross Section 18000 dth 451.5 %



68 Incident Energy (eV) 74-W -182

MAT 7431 (n, p): 73-Ta-182m1 74-W -182
 Radionuclide Production Cross Section 136.0 mb 136.3 %

