

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

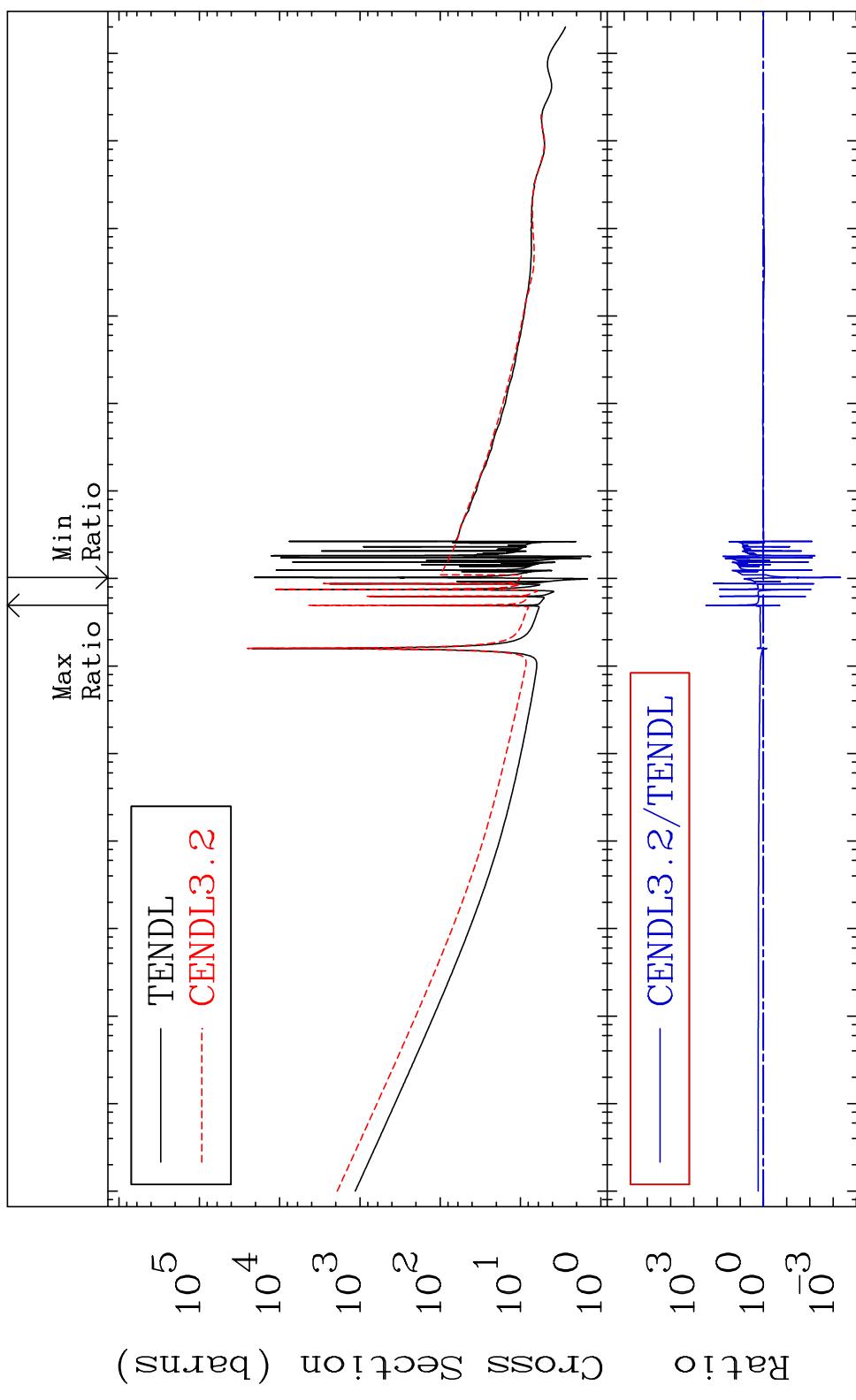
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7425

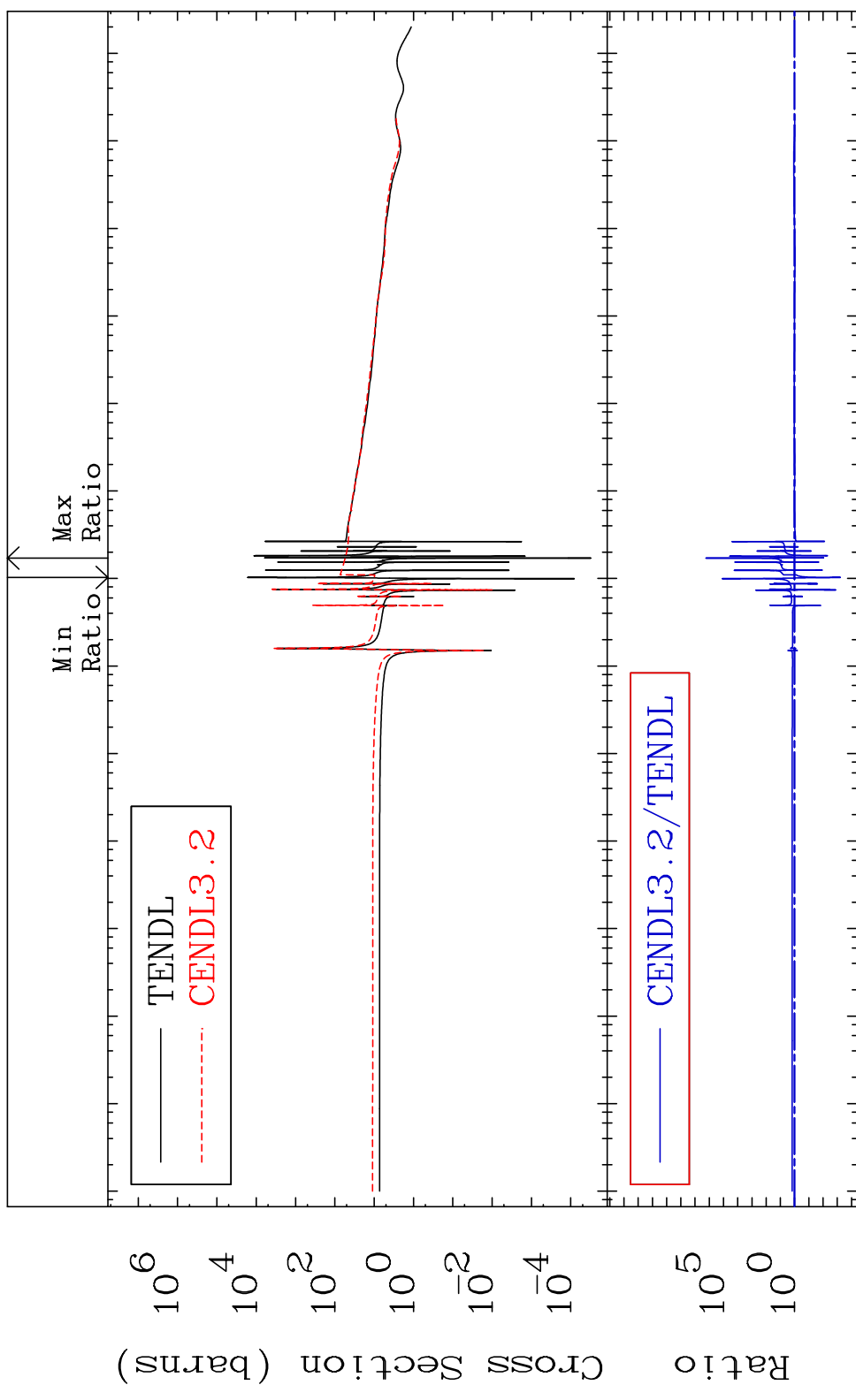
Total Cross Section -99.95 To 9999. %
74-W -180



1 Incident Energy (eV) 74-W -180

MAT 7425

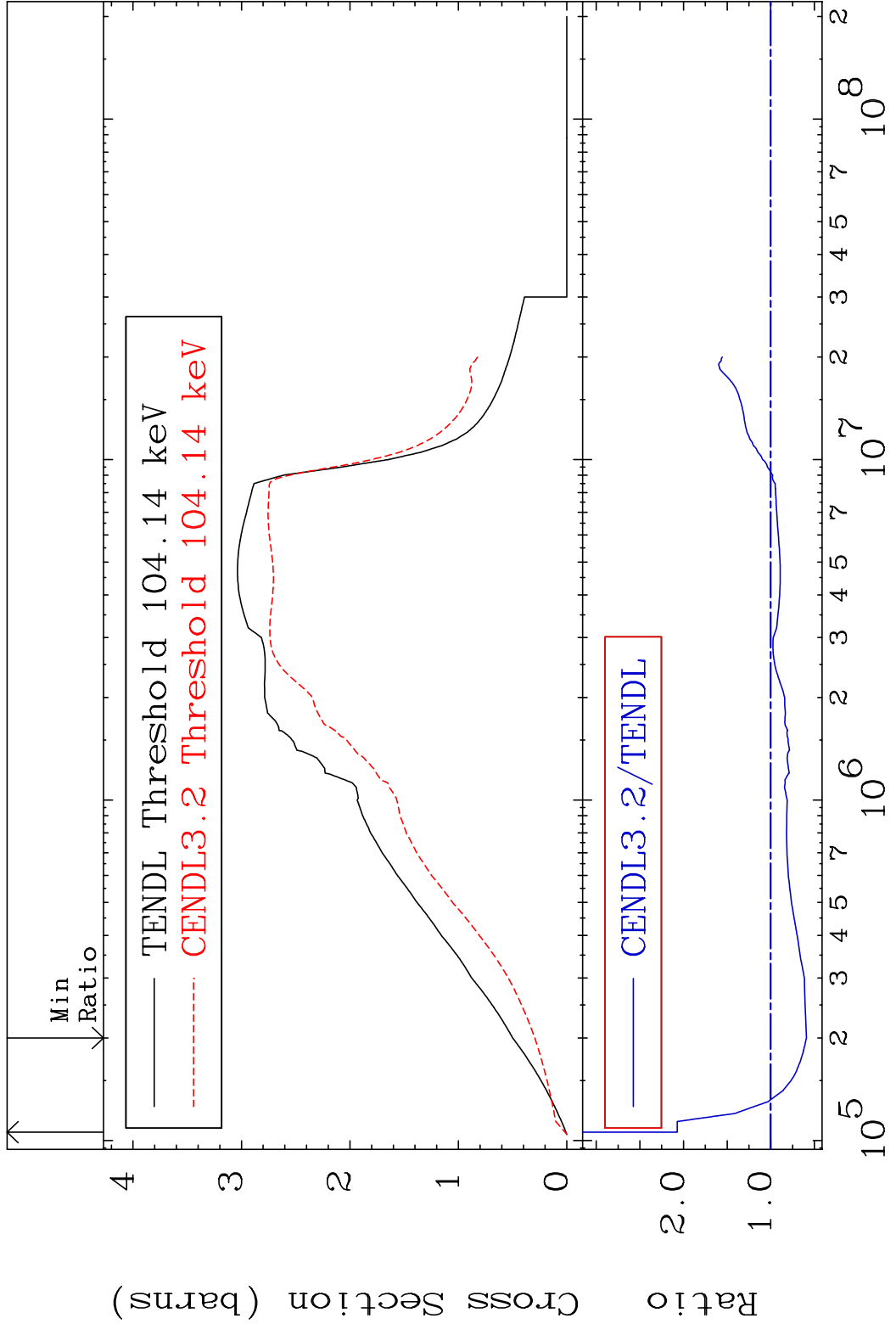
Elastic Cross Section 74-W -180
-99.94 To 9999. %



2

Incident Energy (eV) 74-W -180

MAT 7425 Inelastic 74-W -180
 Cross Section -40.81 To 107.2 %



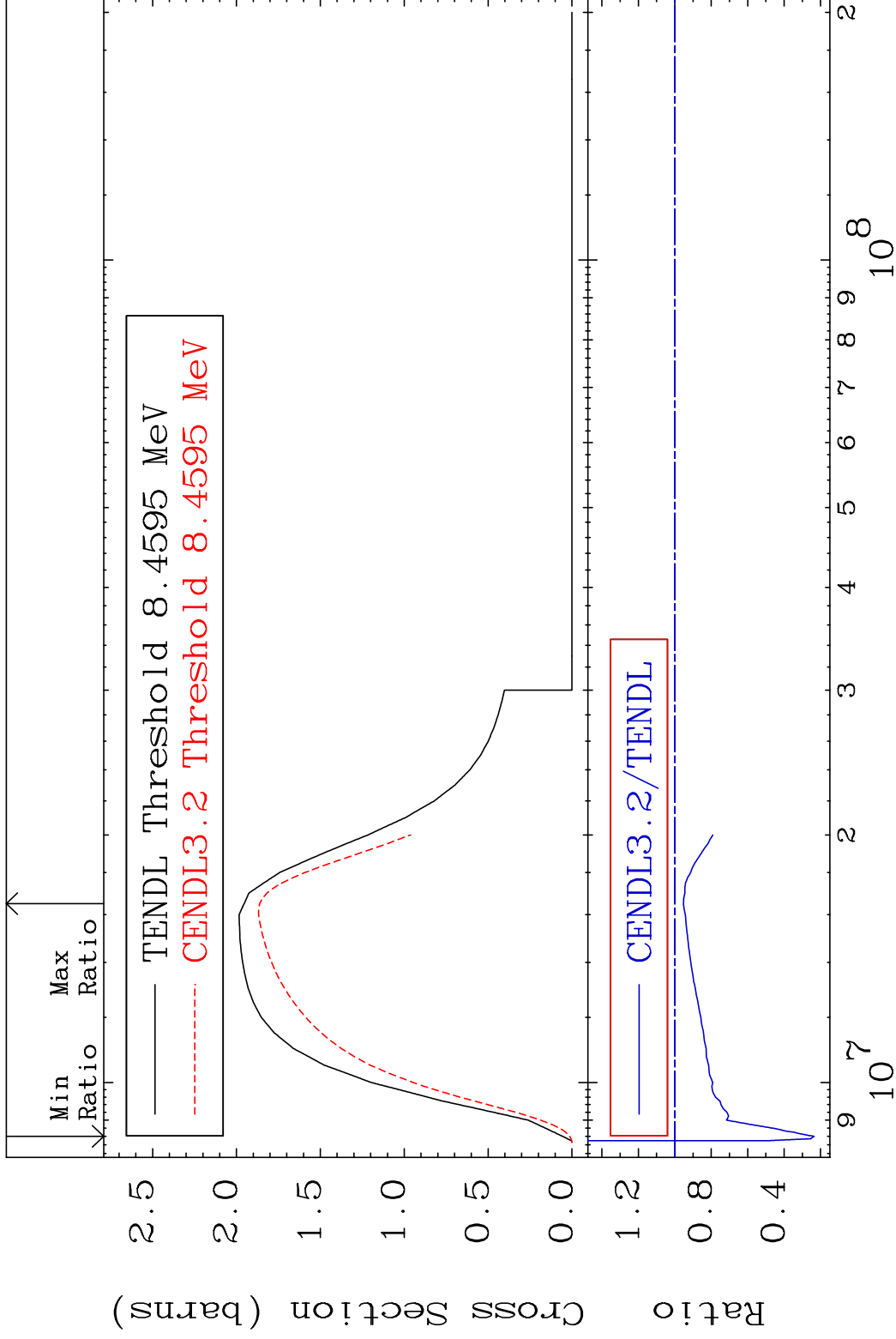
3 Incident Energy (eV) 74-W -180

MAT 7425

(n,2n)

74-W -180

Cross Section -76.42 To -4.762%

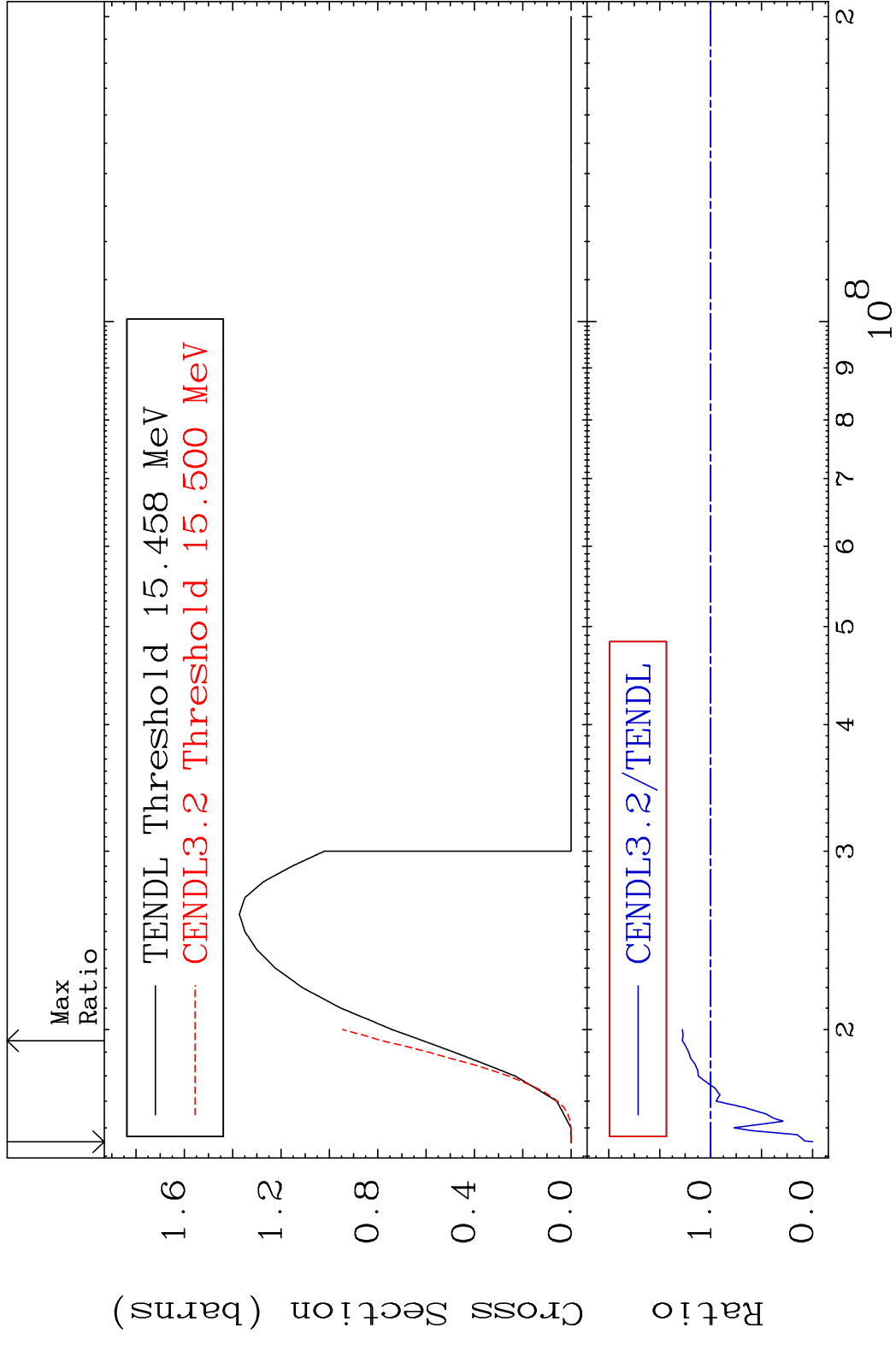


4

Incident Energy (eV)

74-W -180

MAT 7425 (n,3n) 74-W -180
 Cross Section -100.0 To 27.78 %

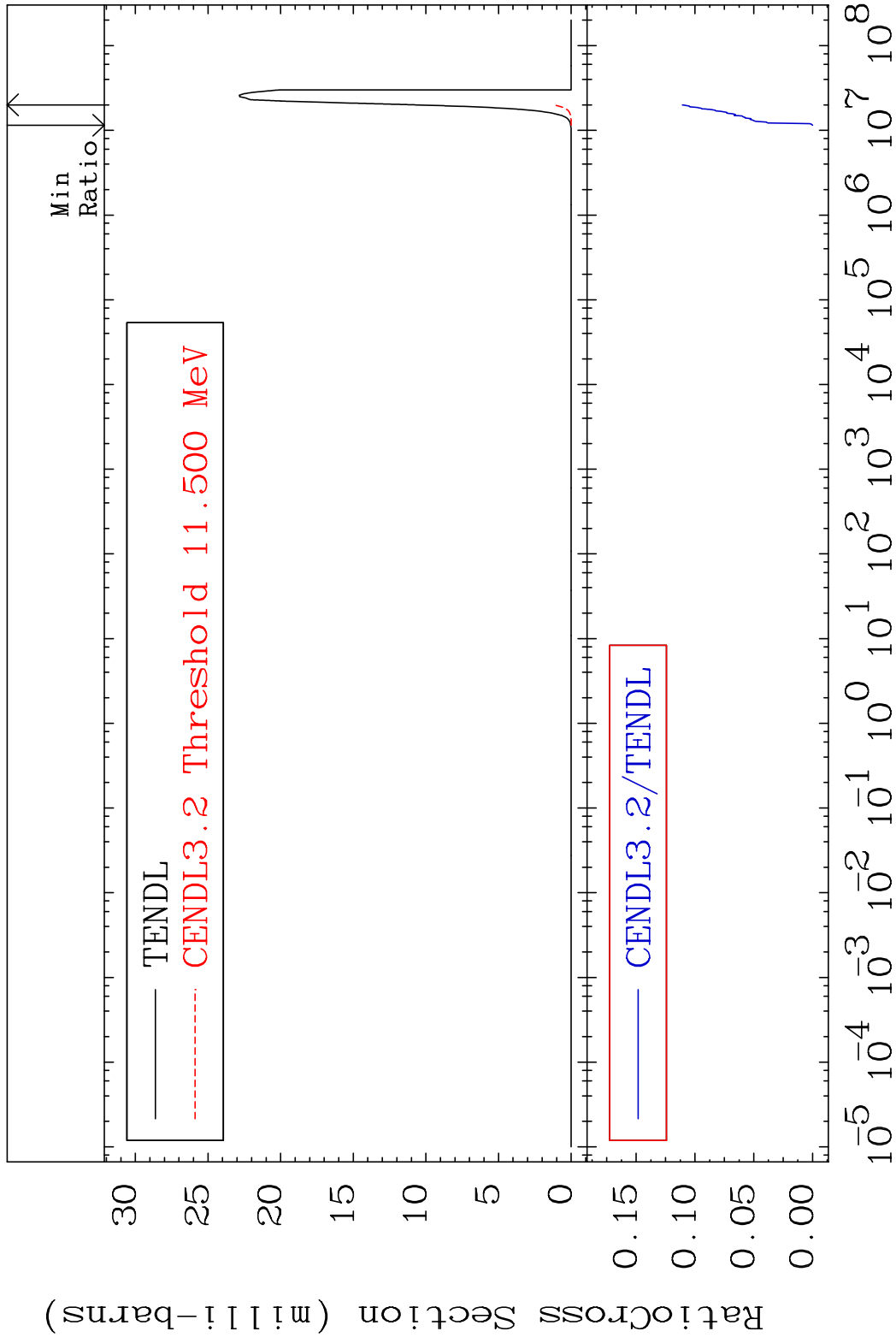


MAT 7425

(n, n') α

74-W -180

Cross Section -100.0 To -88.93%



6

Incident Energy (eV)

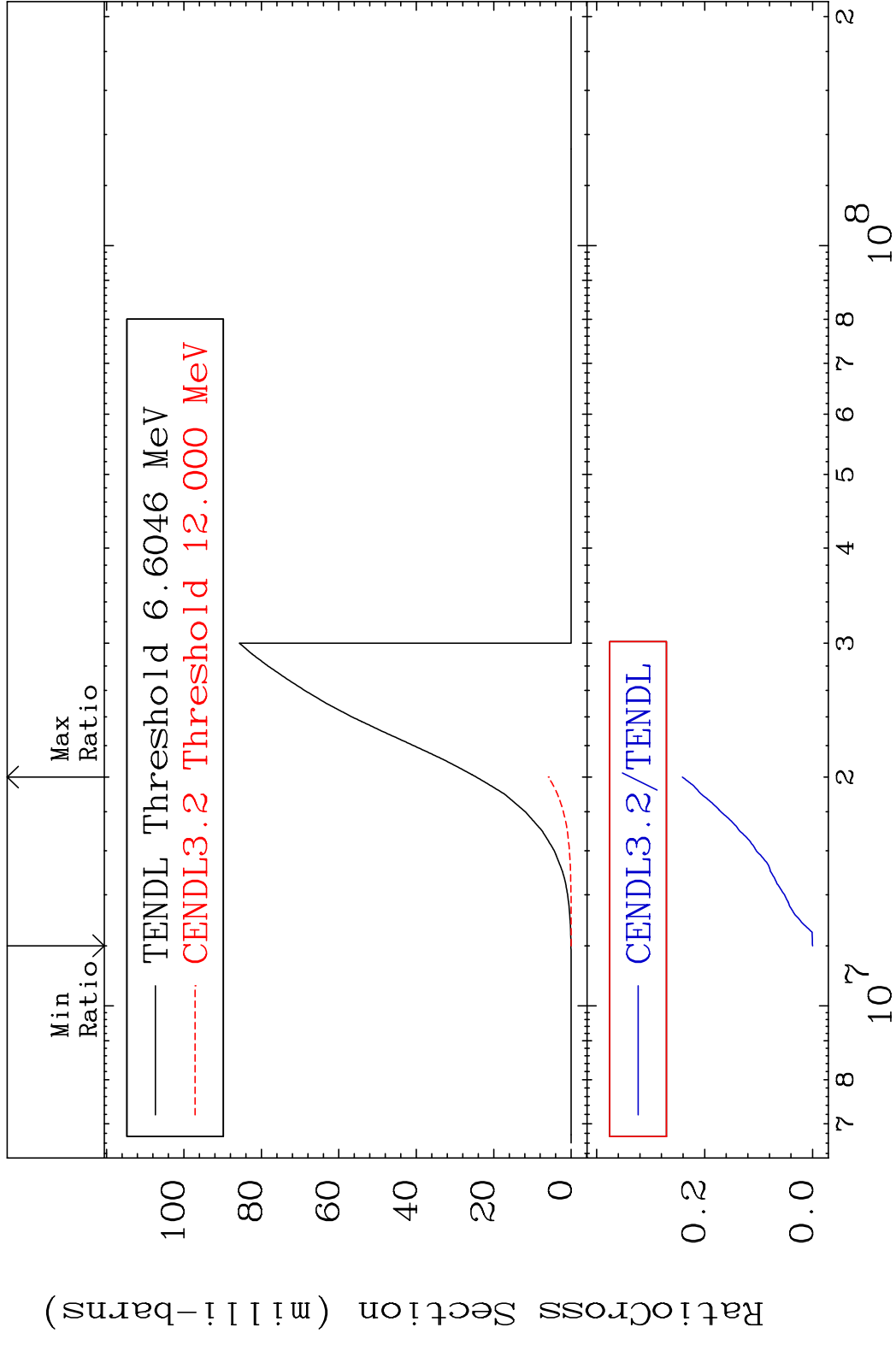
74-W -180

MAT 7425

(n, n') p

74-W -180

Cross Section -100.0 To -75.87%

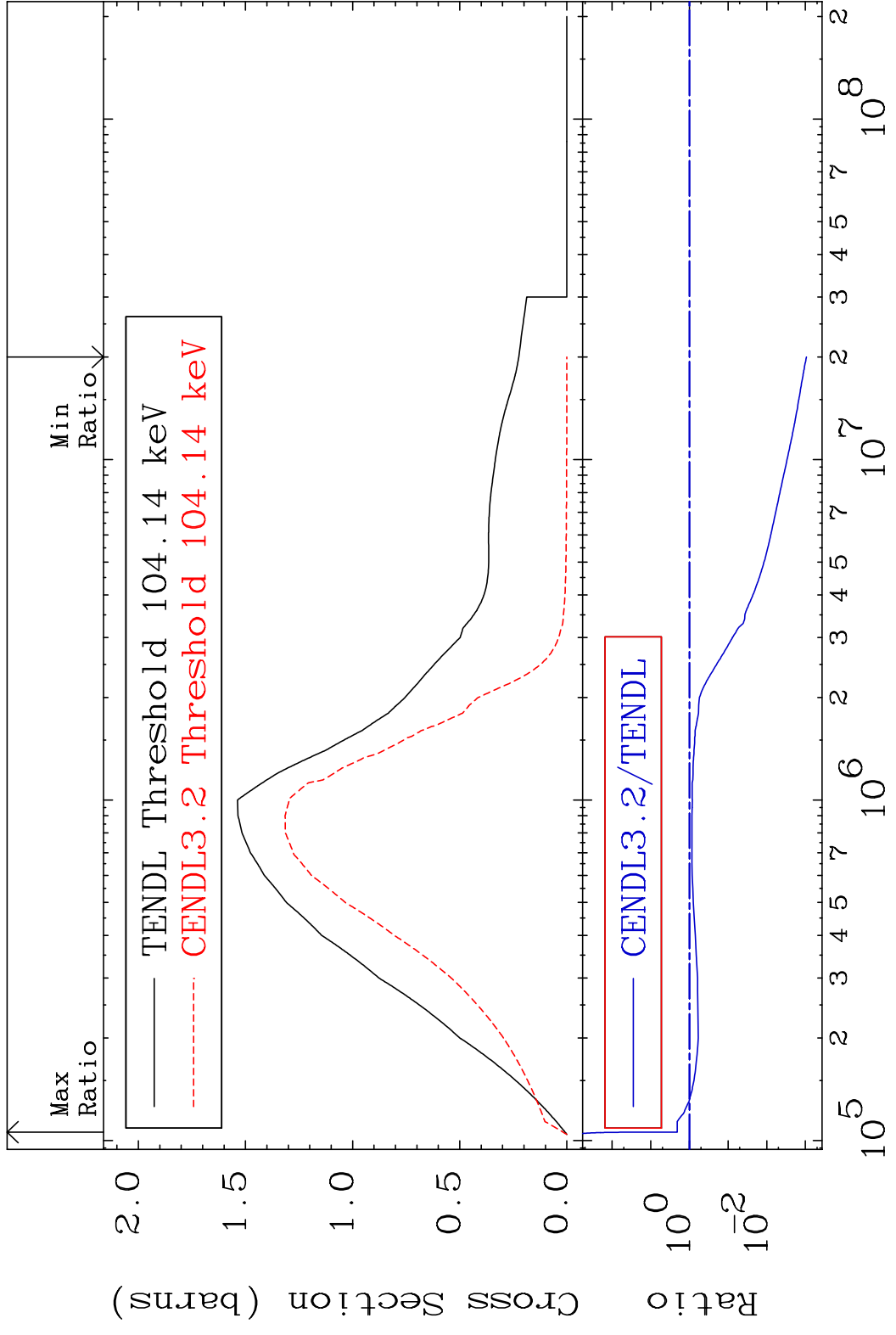


7

Incident Energy (eV)

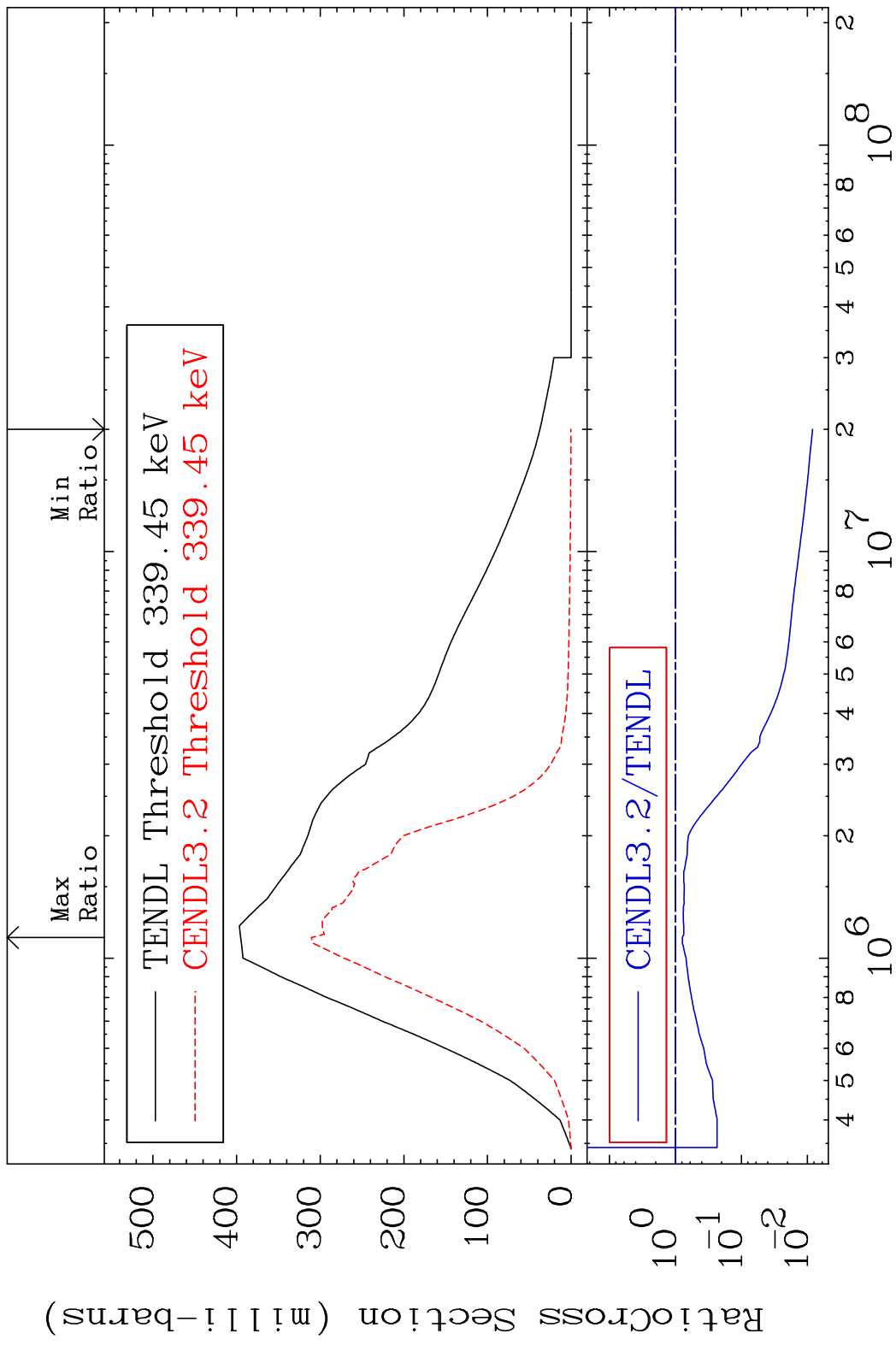
74-W -180

MAT 7425 MT= 51 (n, n') Level 74-W -180
 Cross Section -99.91 To 107.2 %

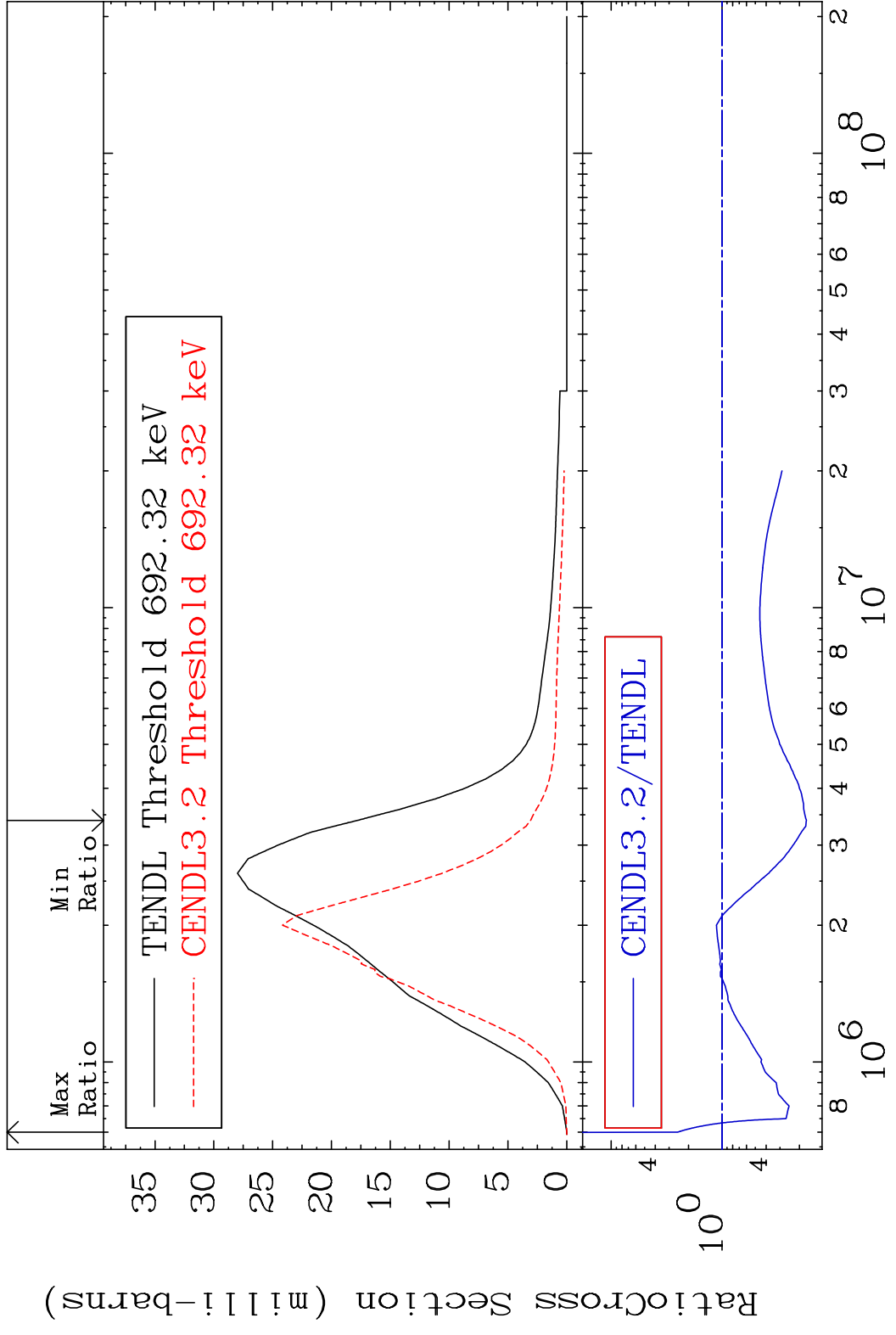


8 8 Incident Energy (eV) 74-W -180

MAT 7425 MT= 52 (n, n') Level 74-W -180
 Cross Section -99.16 To -21.35%

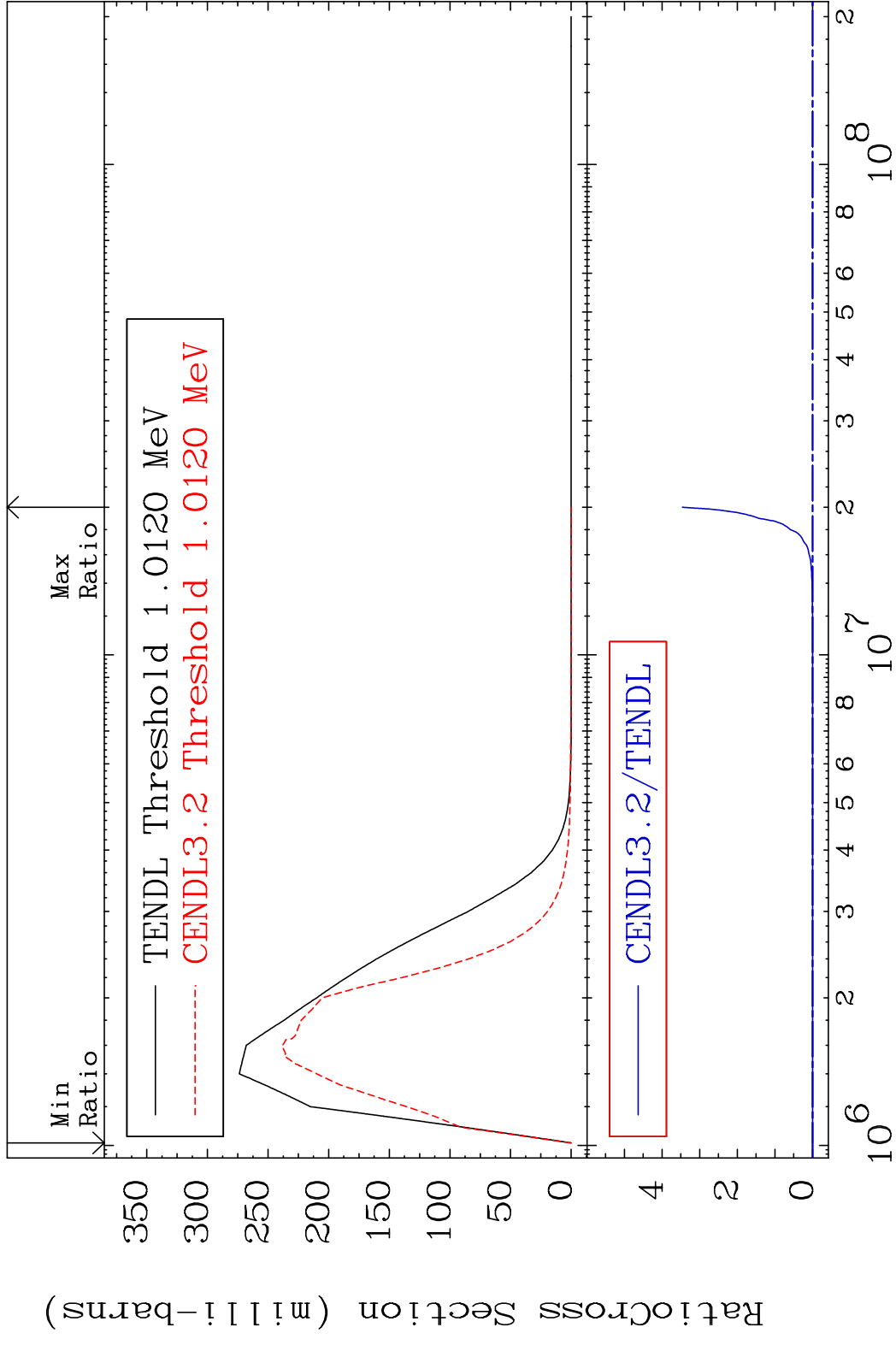


MAT 7425 MT= 53 (n, n') Level 74-W -180
 Cross Section -82.69 To 153.8 %



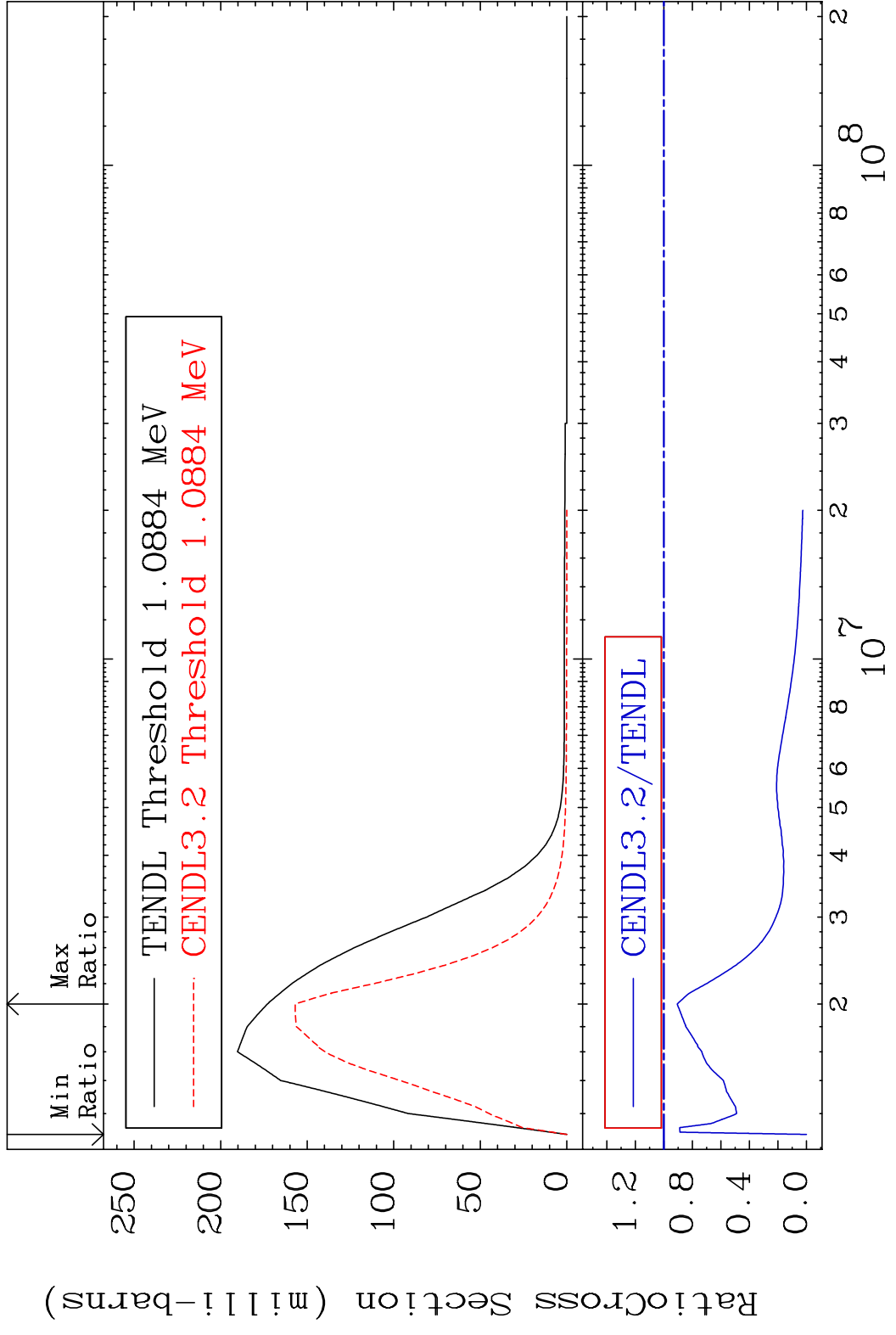
10 Incident Energy (eV) 74-W -180

MAT 7425 MT= 54 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %

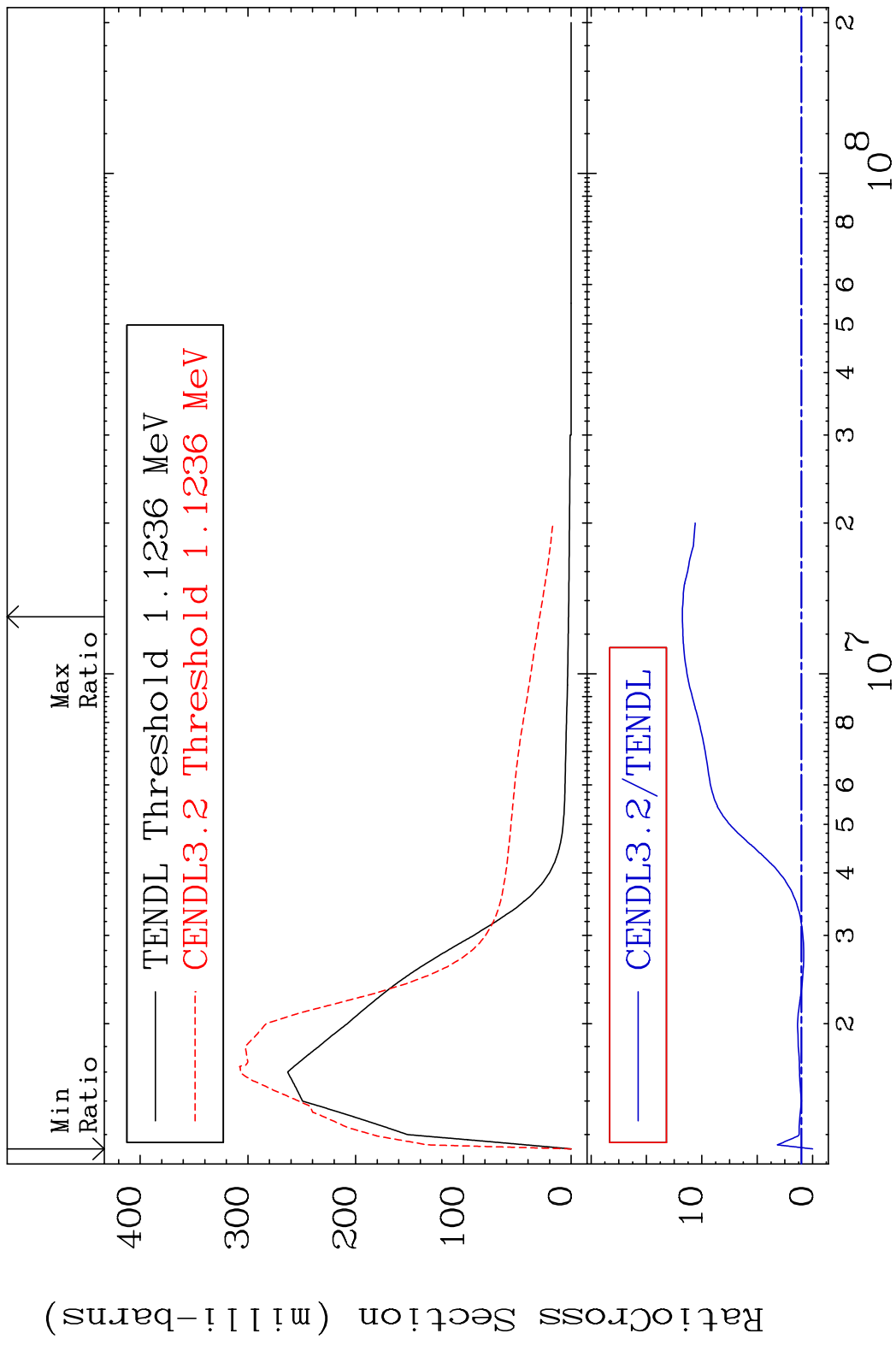


11 Incident Energy (eV) 74-W -180

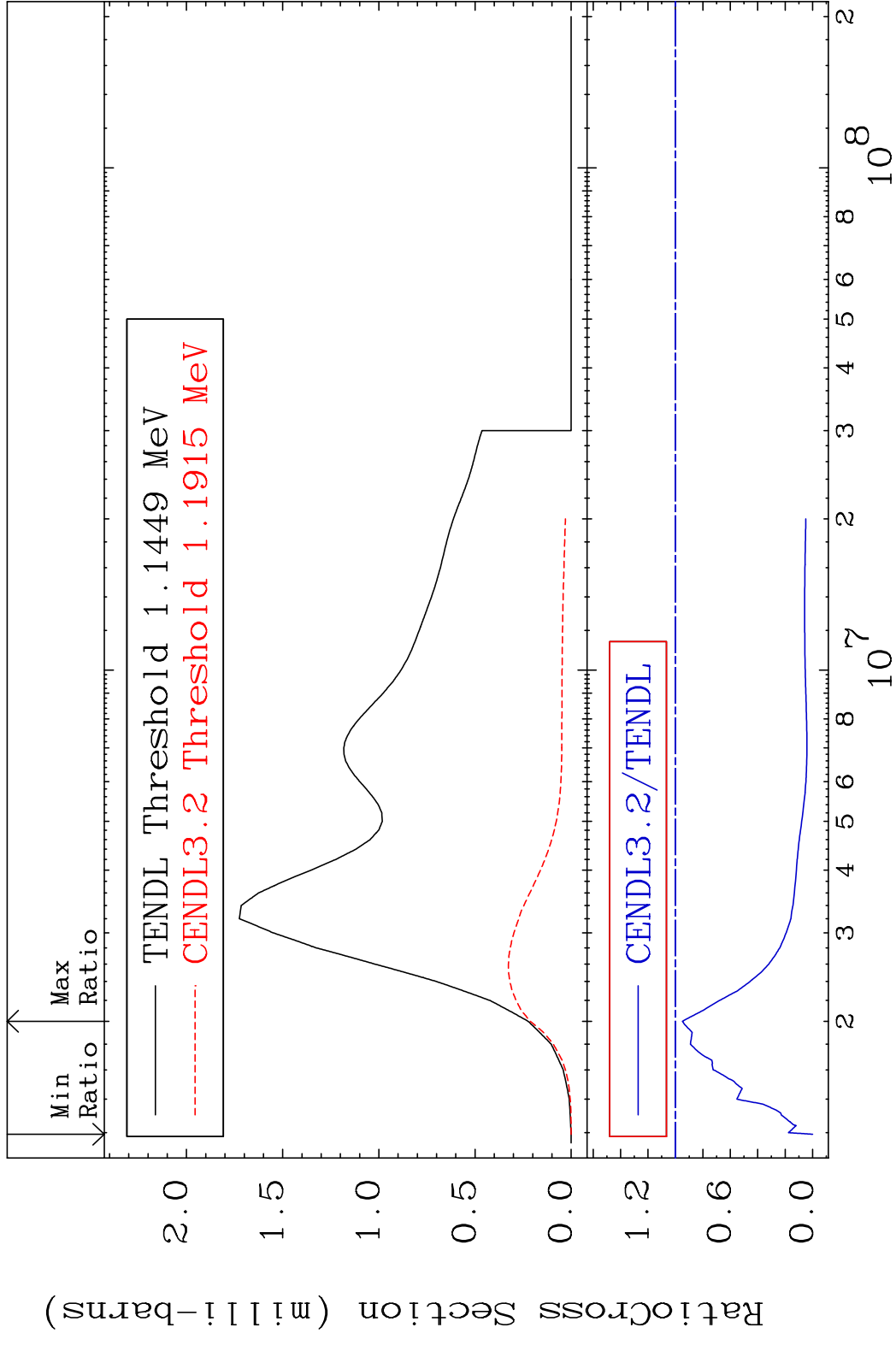
MAT 7425 MT= 55 (n,n') Level 74-W -180
 Cross Section -100.0 To -9.302%



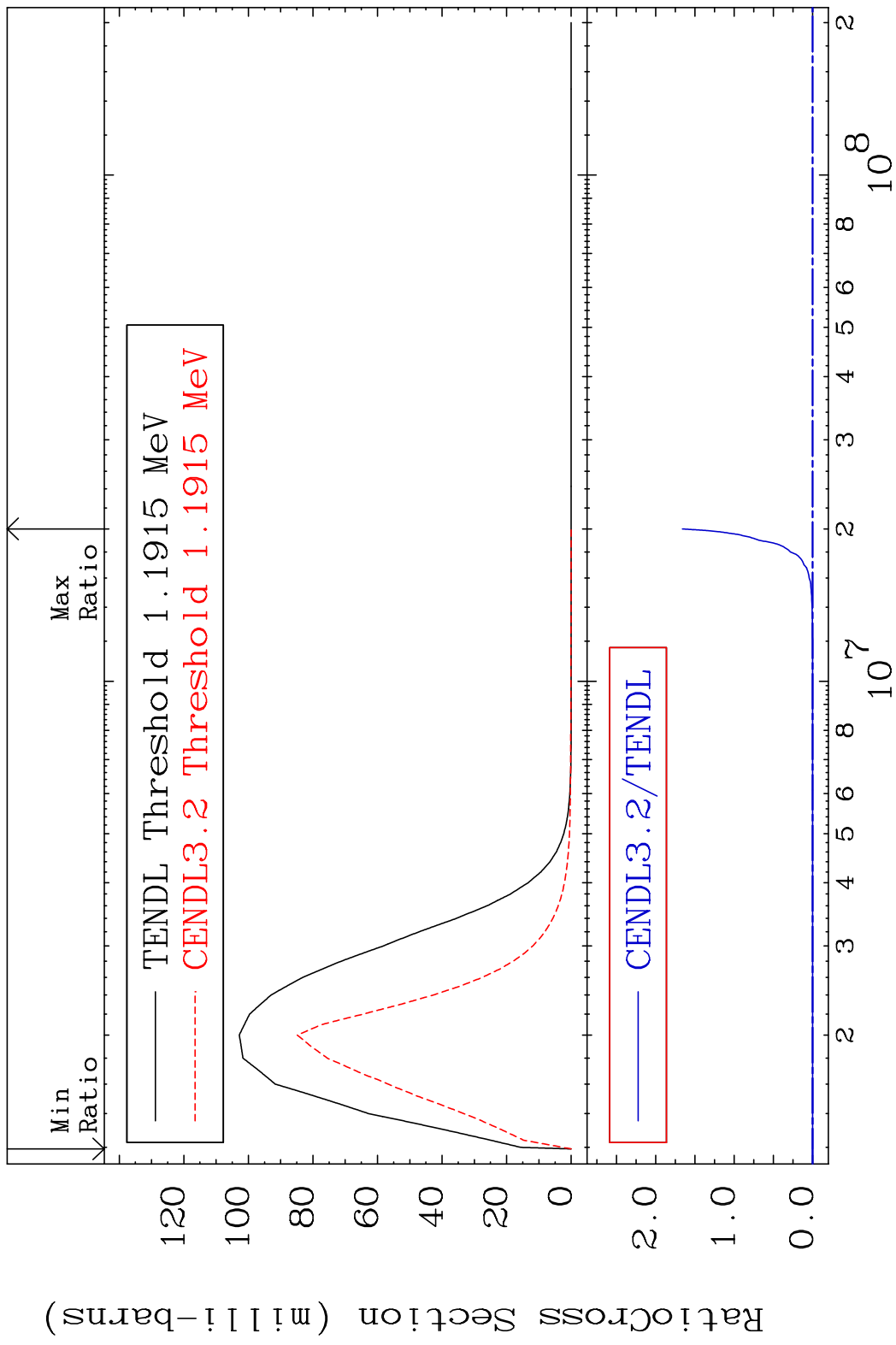
MAT 7425 MT= 56 (n, n') Level 74-W -180
 Cross Section -100.0 To 1076. %



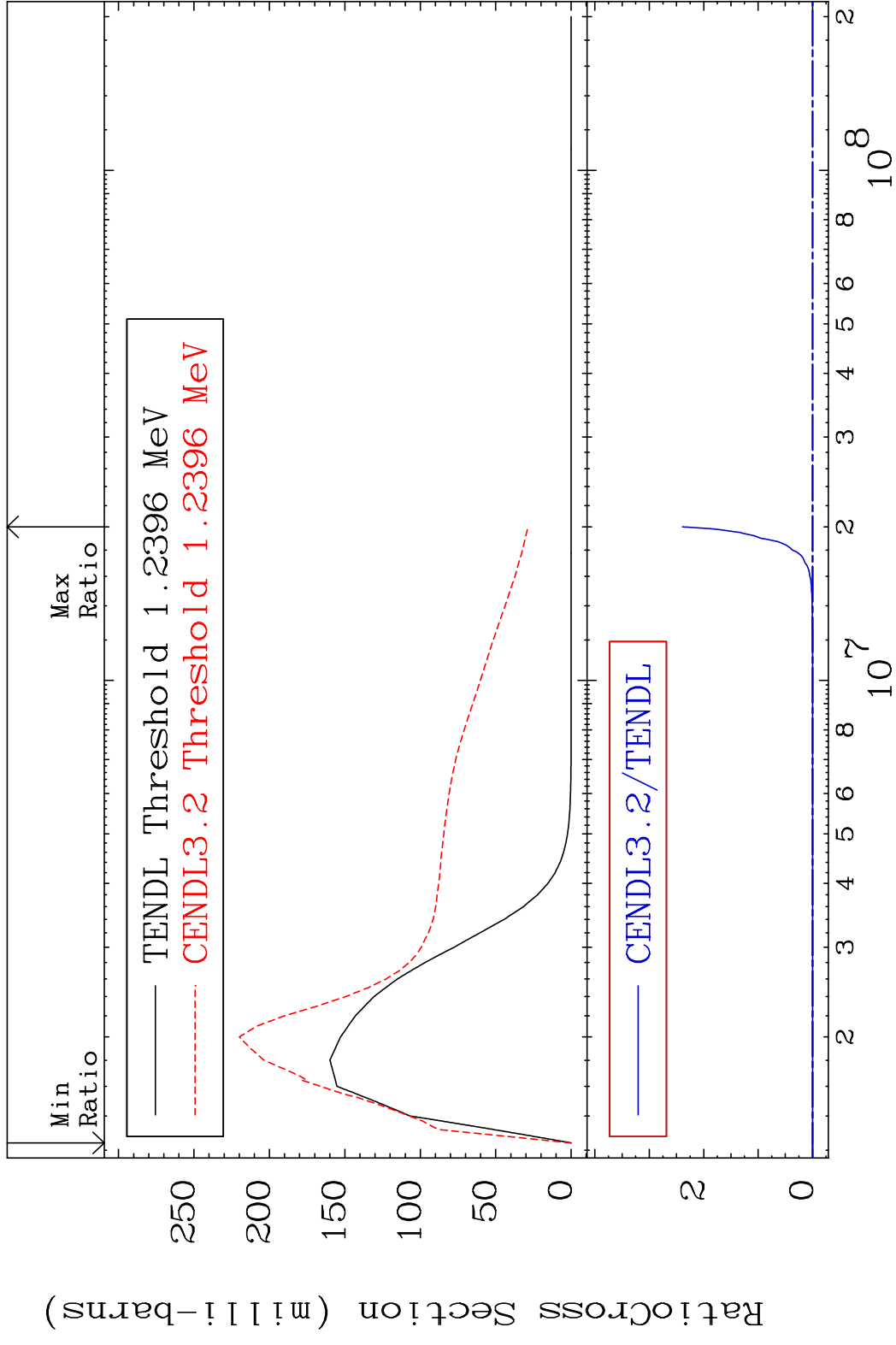
MAT 7425 MT= 57 (n, n') Level 74-W -180
 Cross Section -100.0 To -5.055%



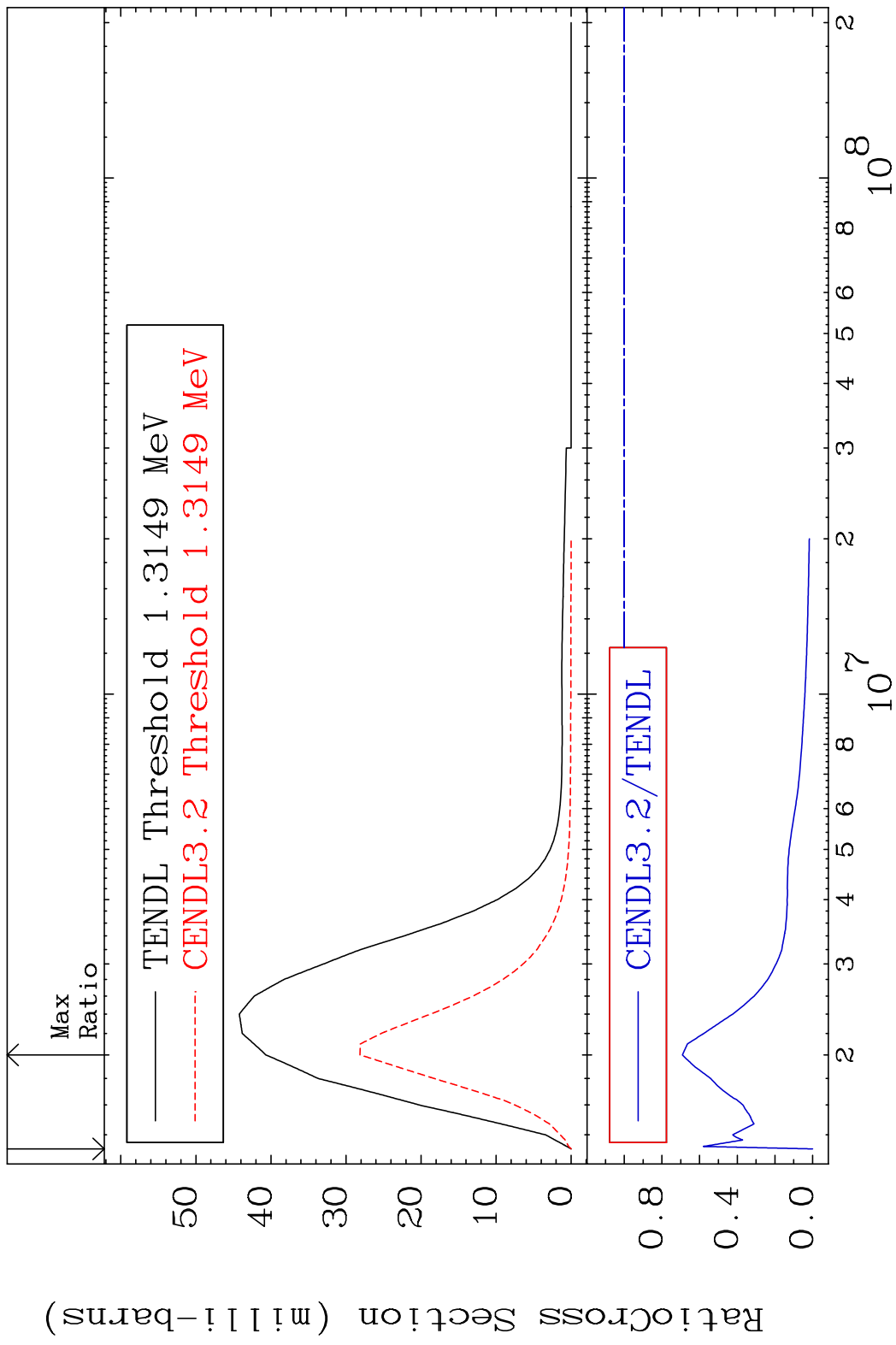
MAT 7425 MT= 58 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %



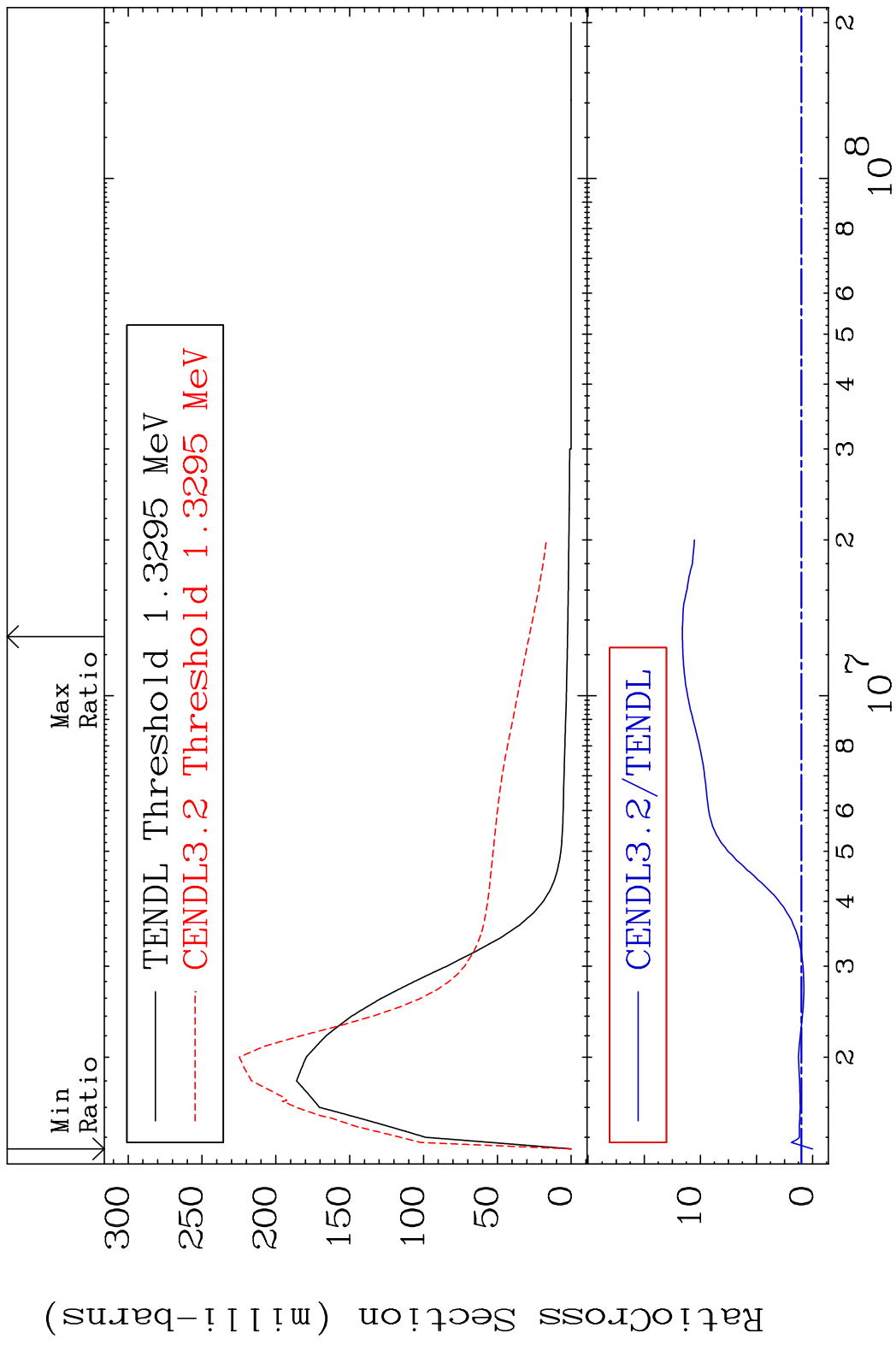
MAT 7425 MT= 59 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %



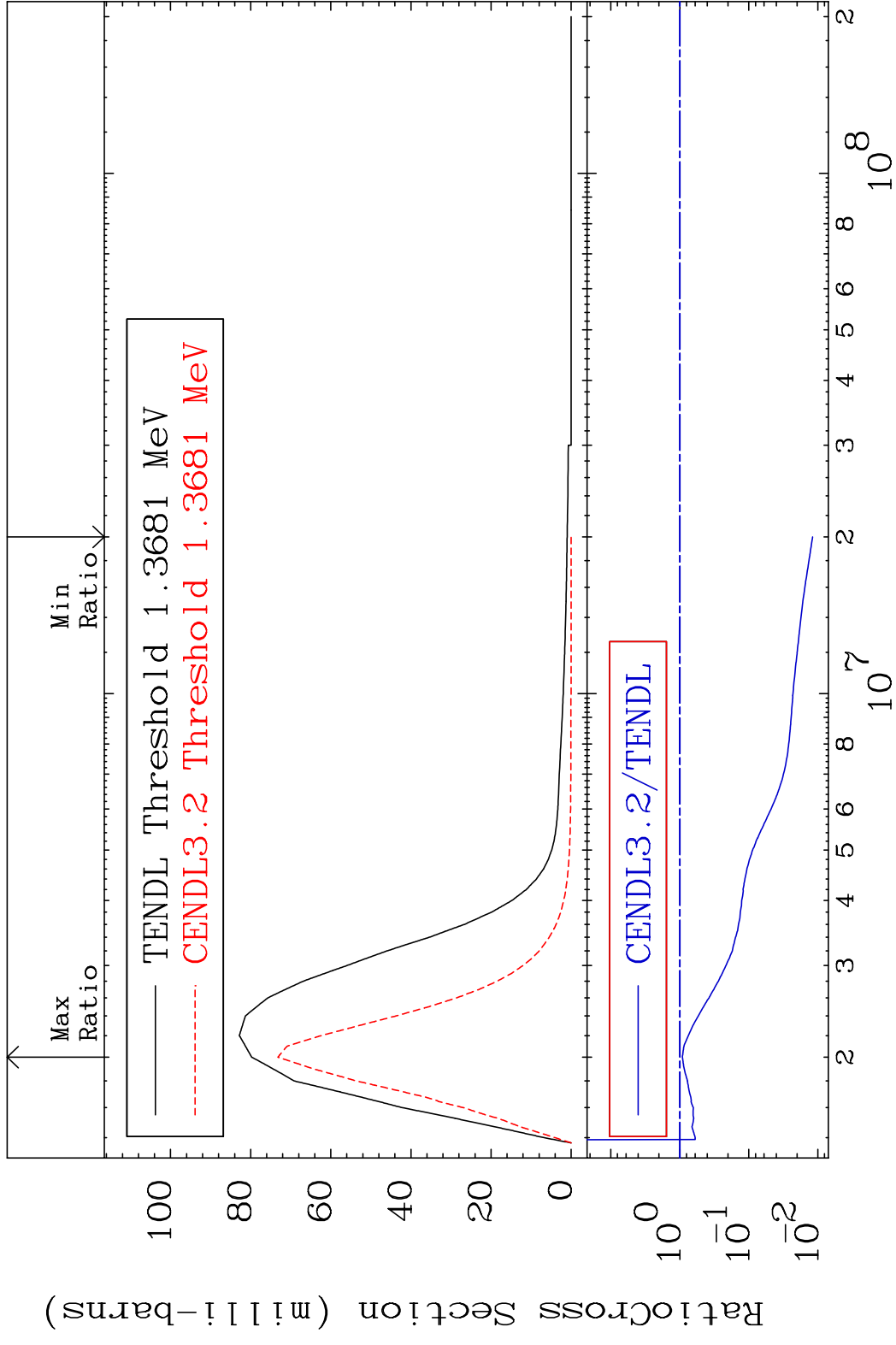
MAT 7425 MT= 60 (n,n') Level 74-W -180
 Cross Section -100.0 To -30.85%



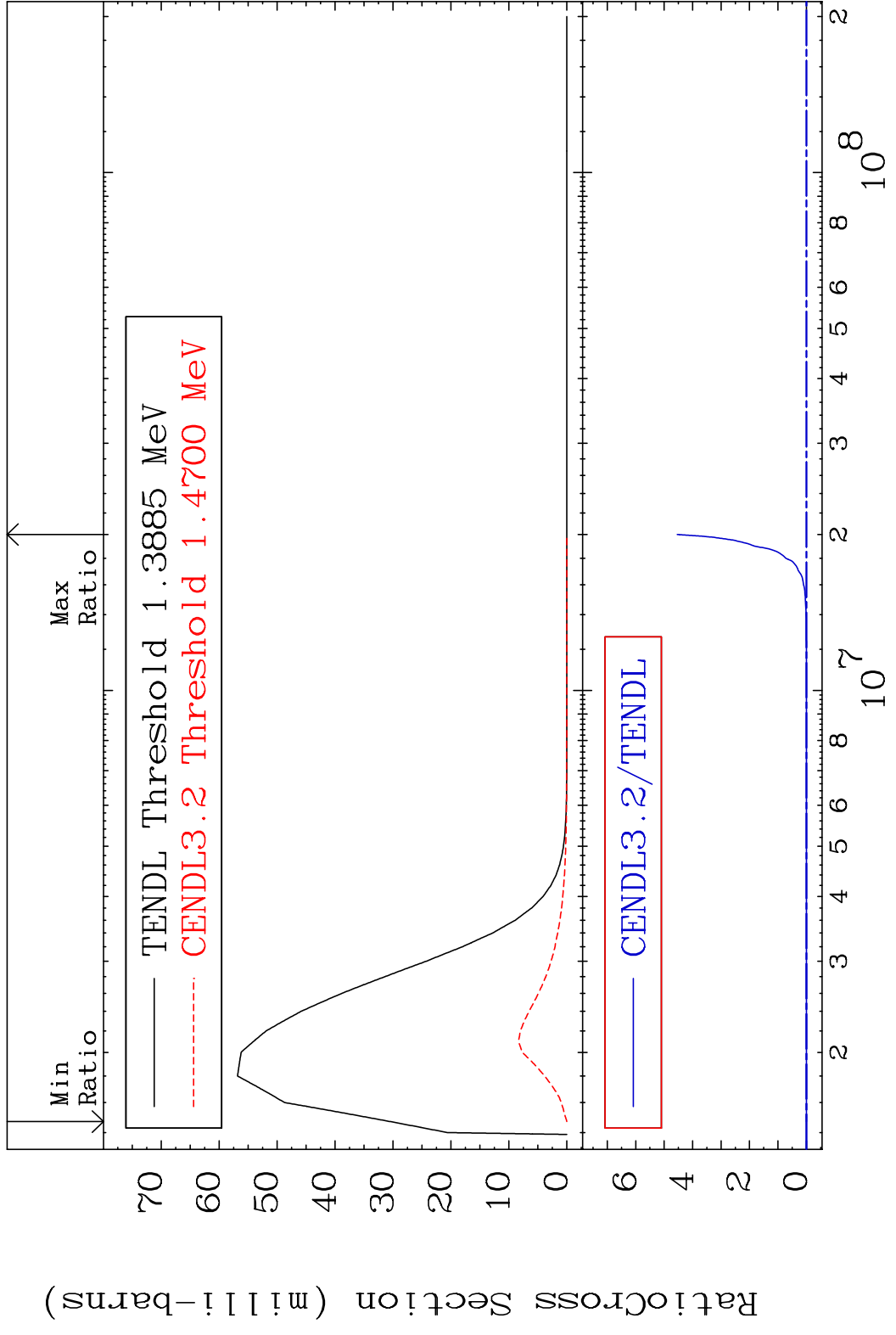
MAT 7425 MT= 61 (n, n') Level 74-W -180
 Cross Section -100.0 To 1060. %



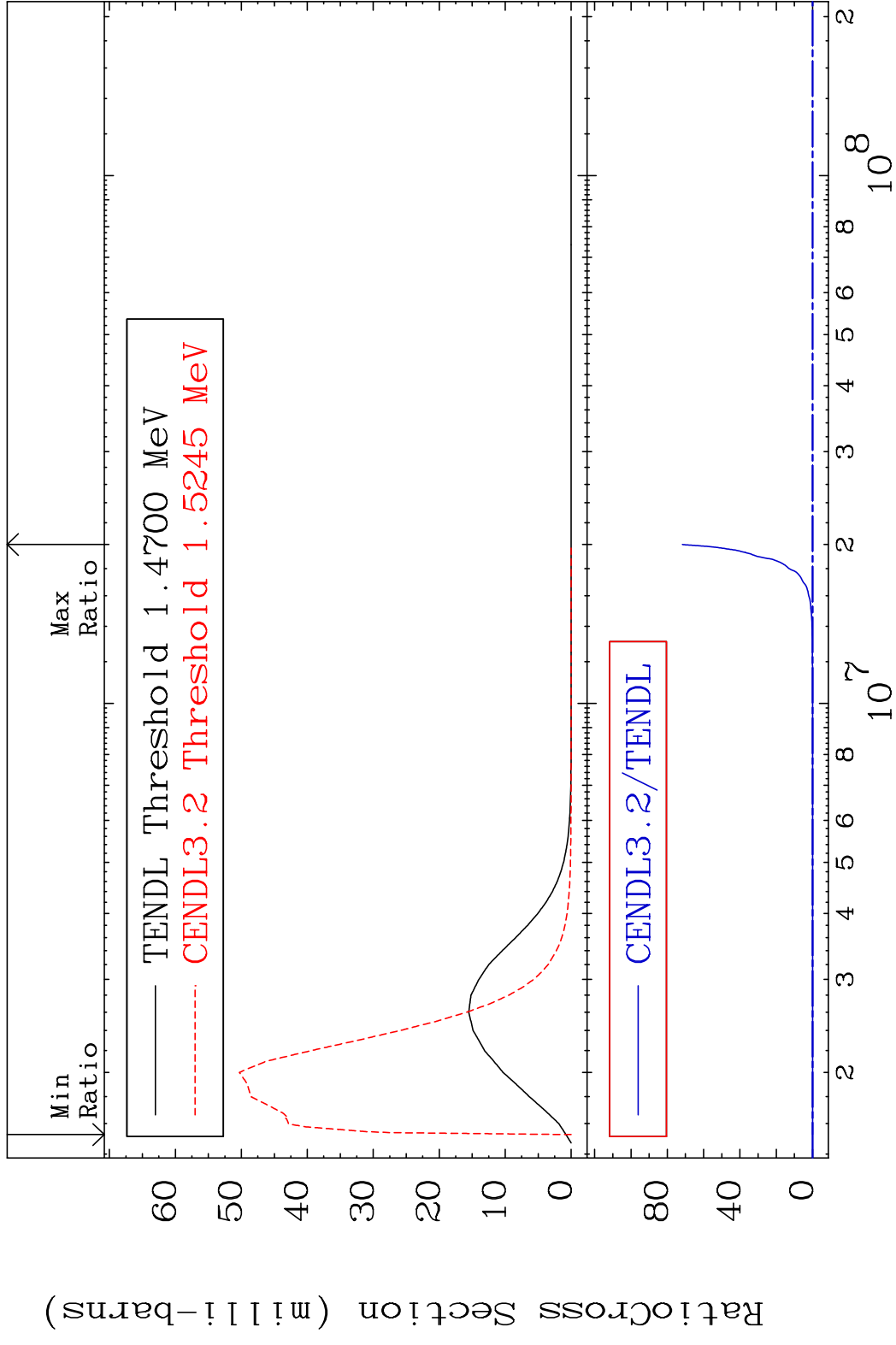
MAT 7425 MT= 62 (n, n') Level 74-W -180
 Cross Section -98.81 To -8.214%



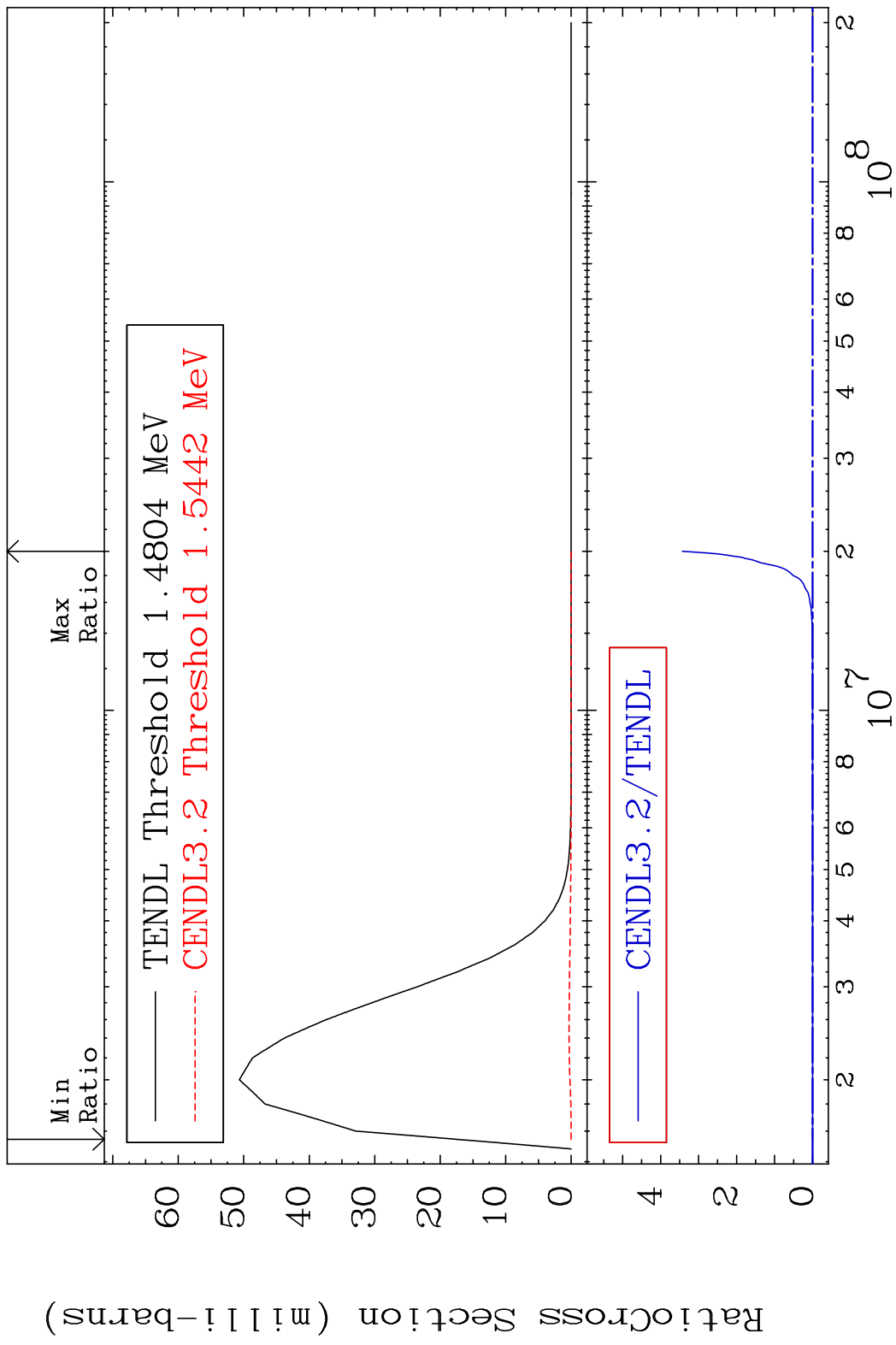
MAT 7425 MT= 63 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %



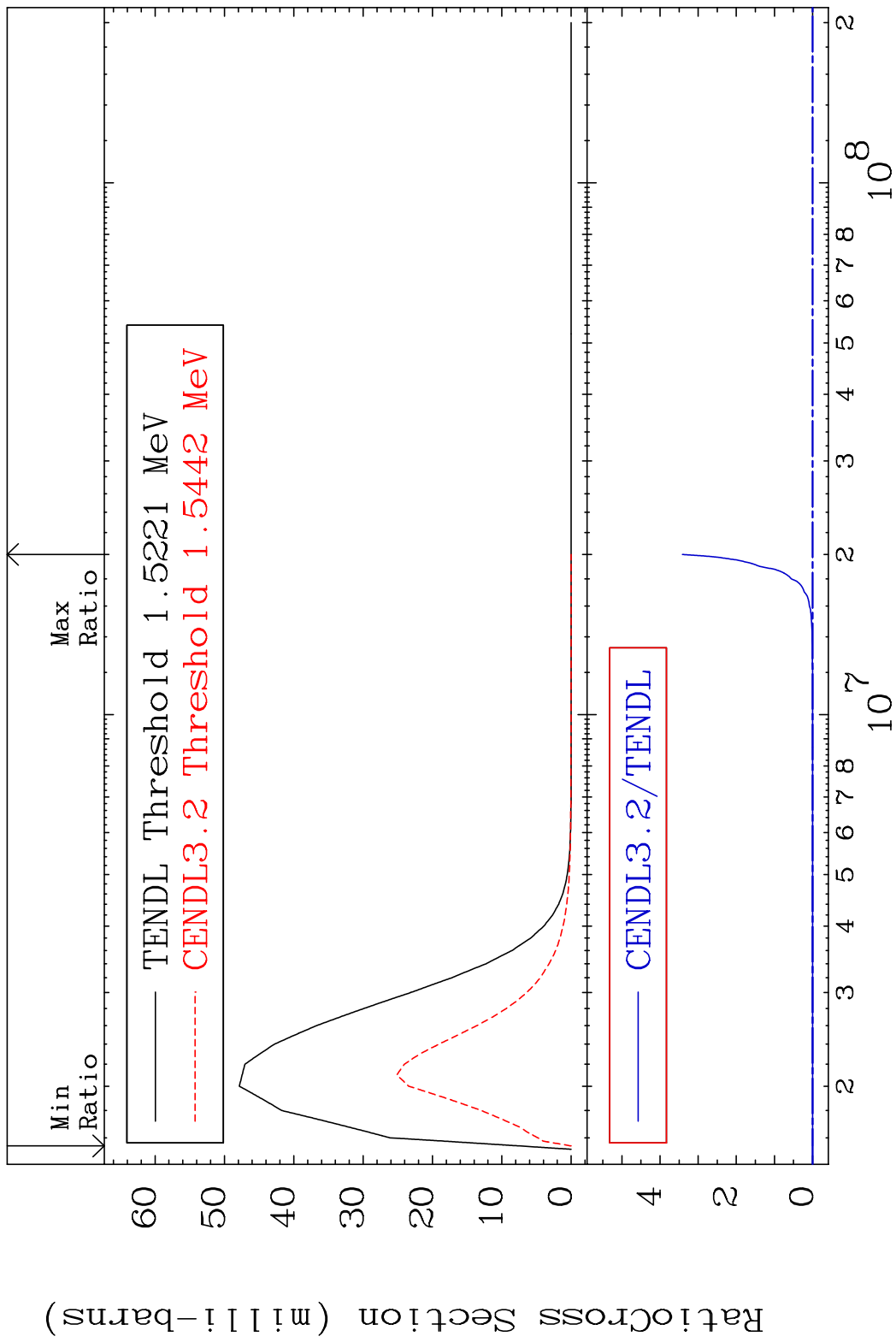
MAT 7425 MT= 64 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %



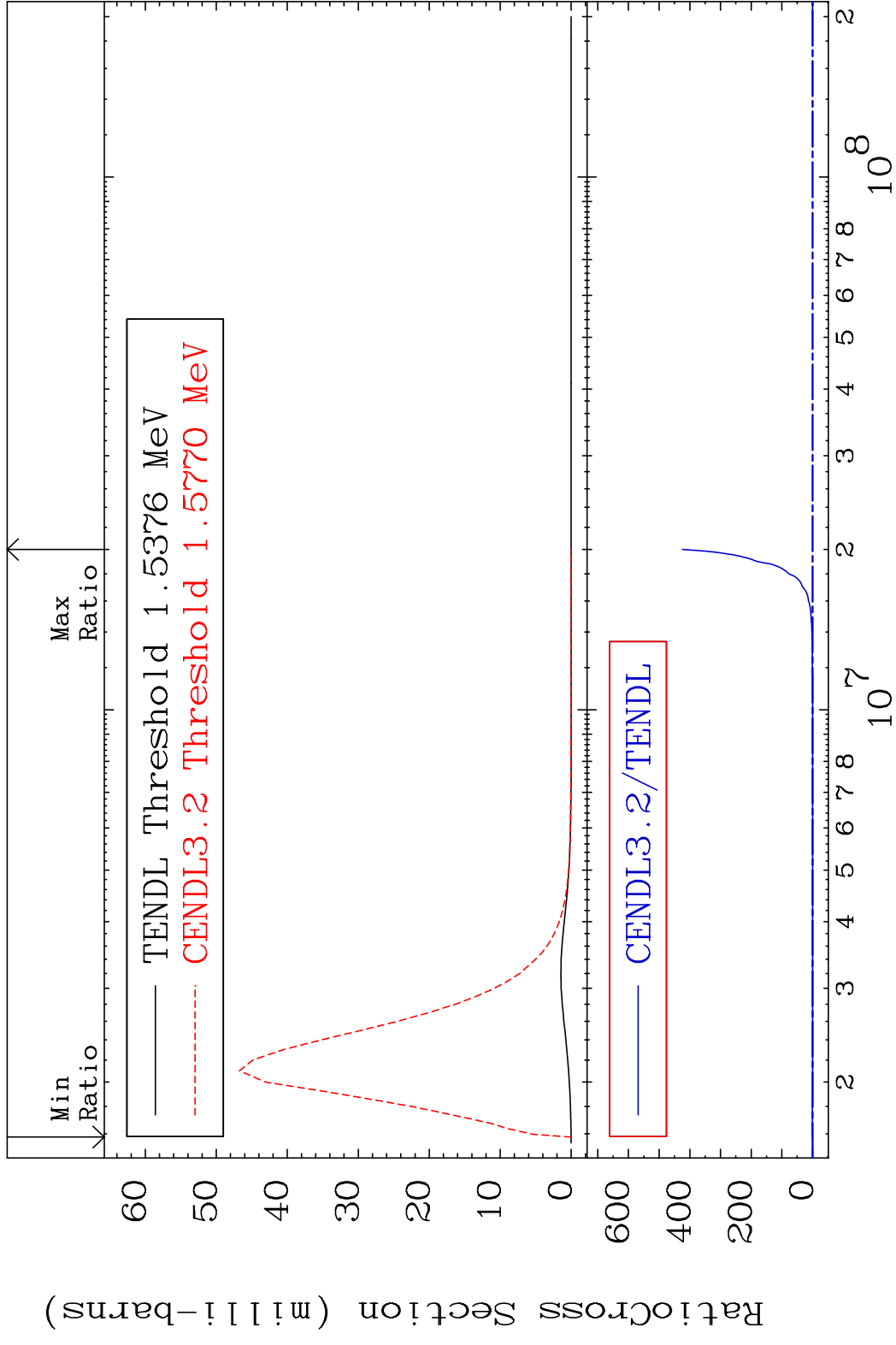
MAT 7425 MT= 65 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %



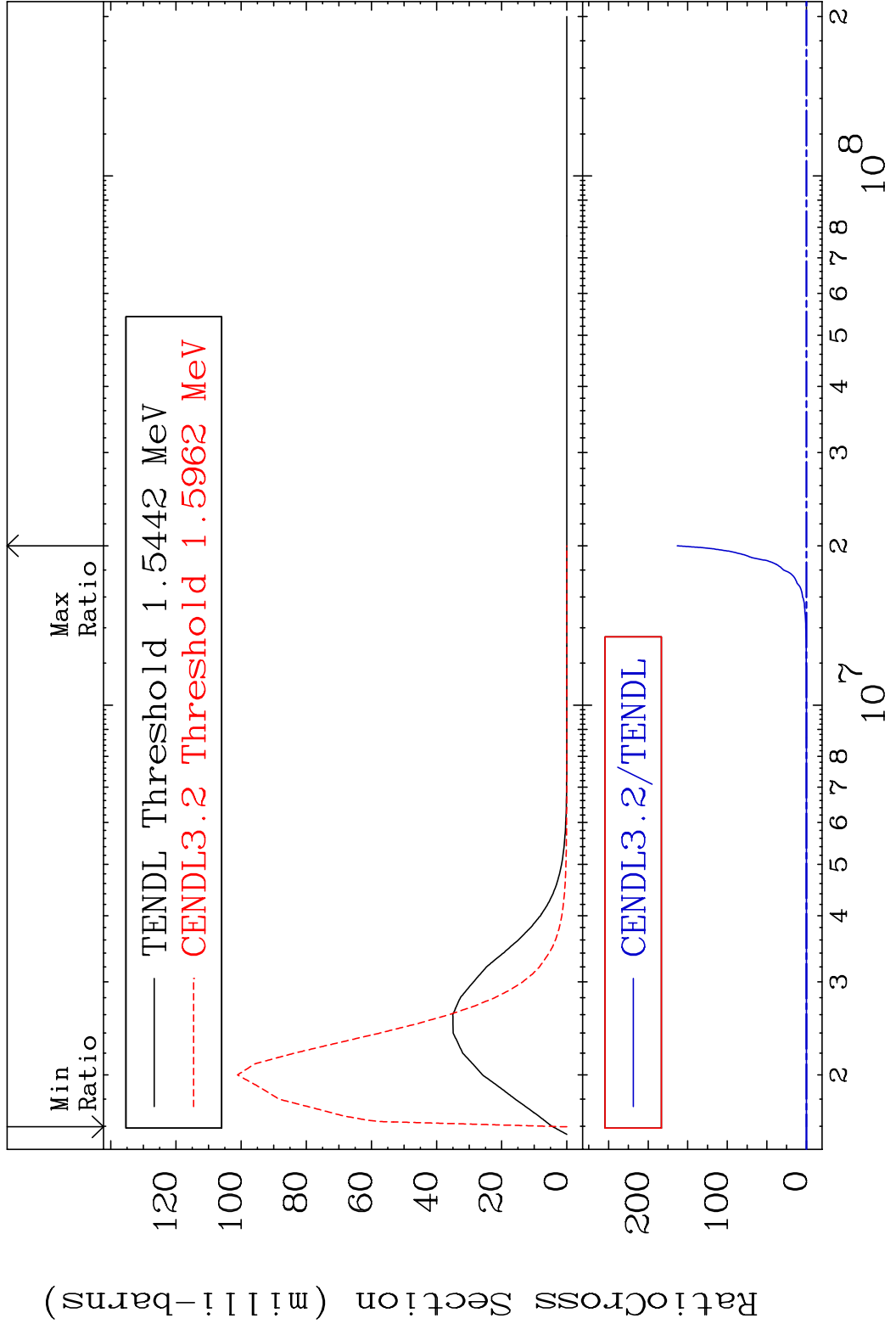
MAT 7425 MT= 66 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %



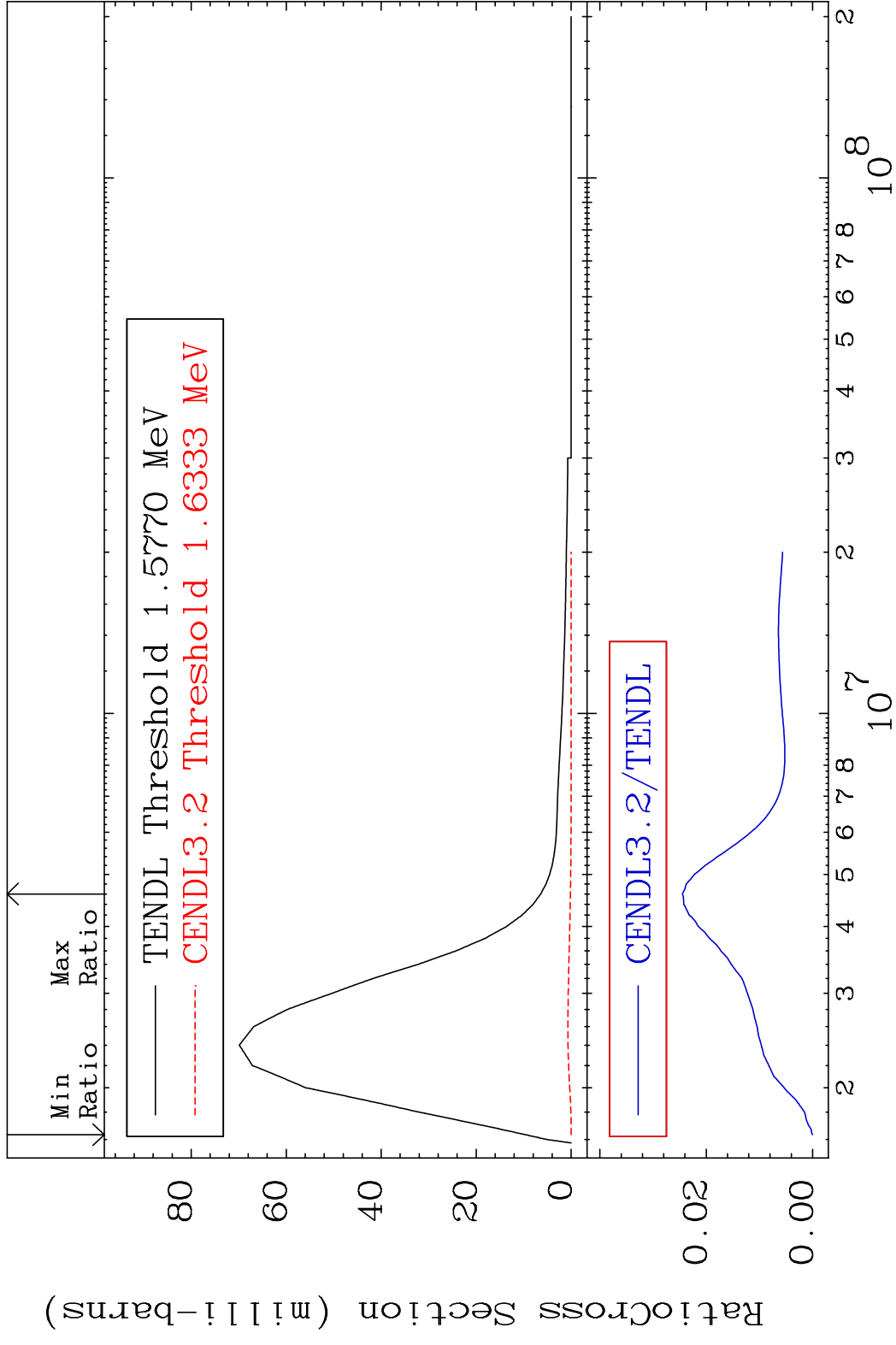
MAT 7425 MT= 67 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %



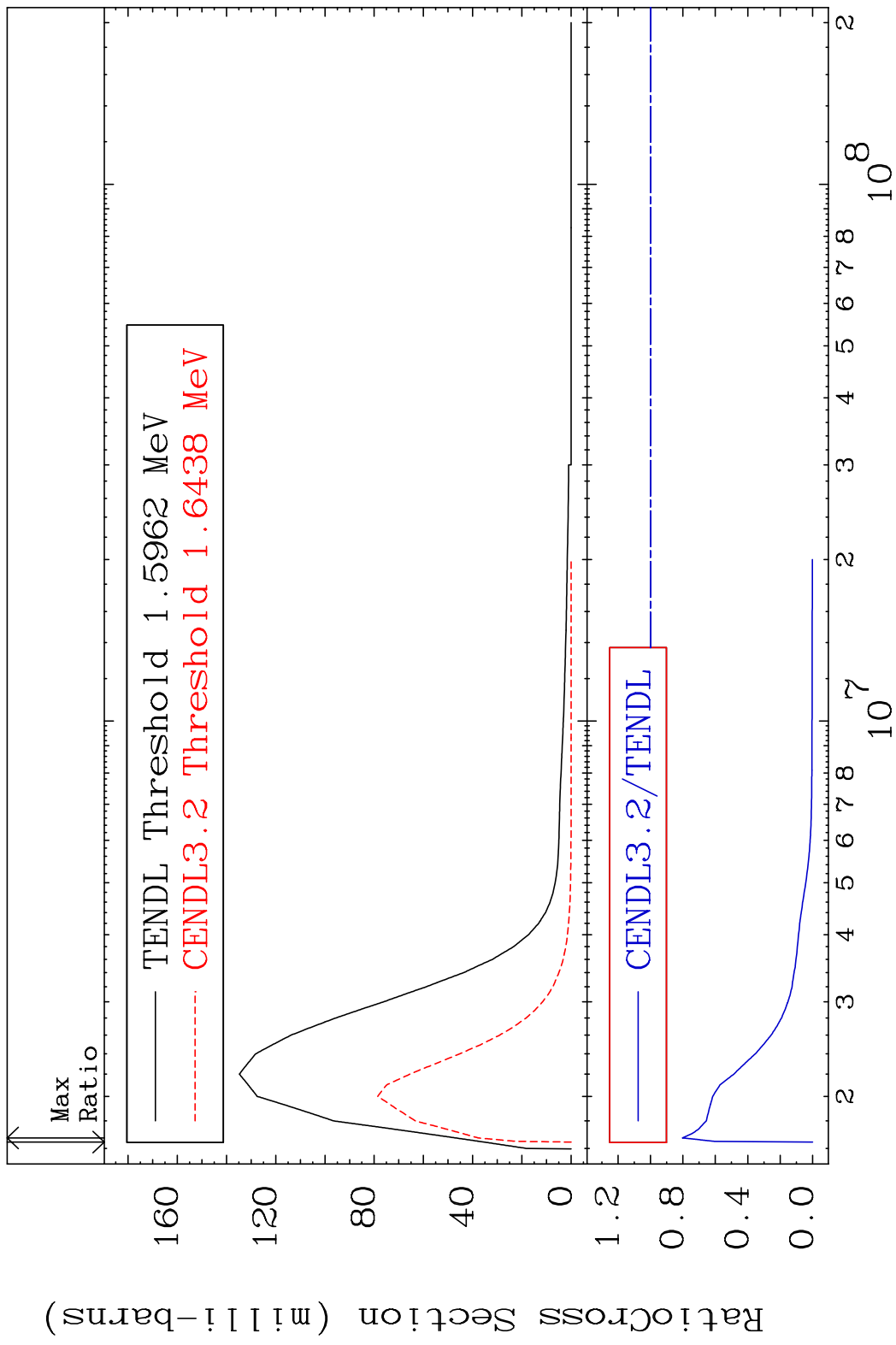
MAT 7425 MT= 68 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %



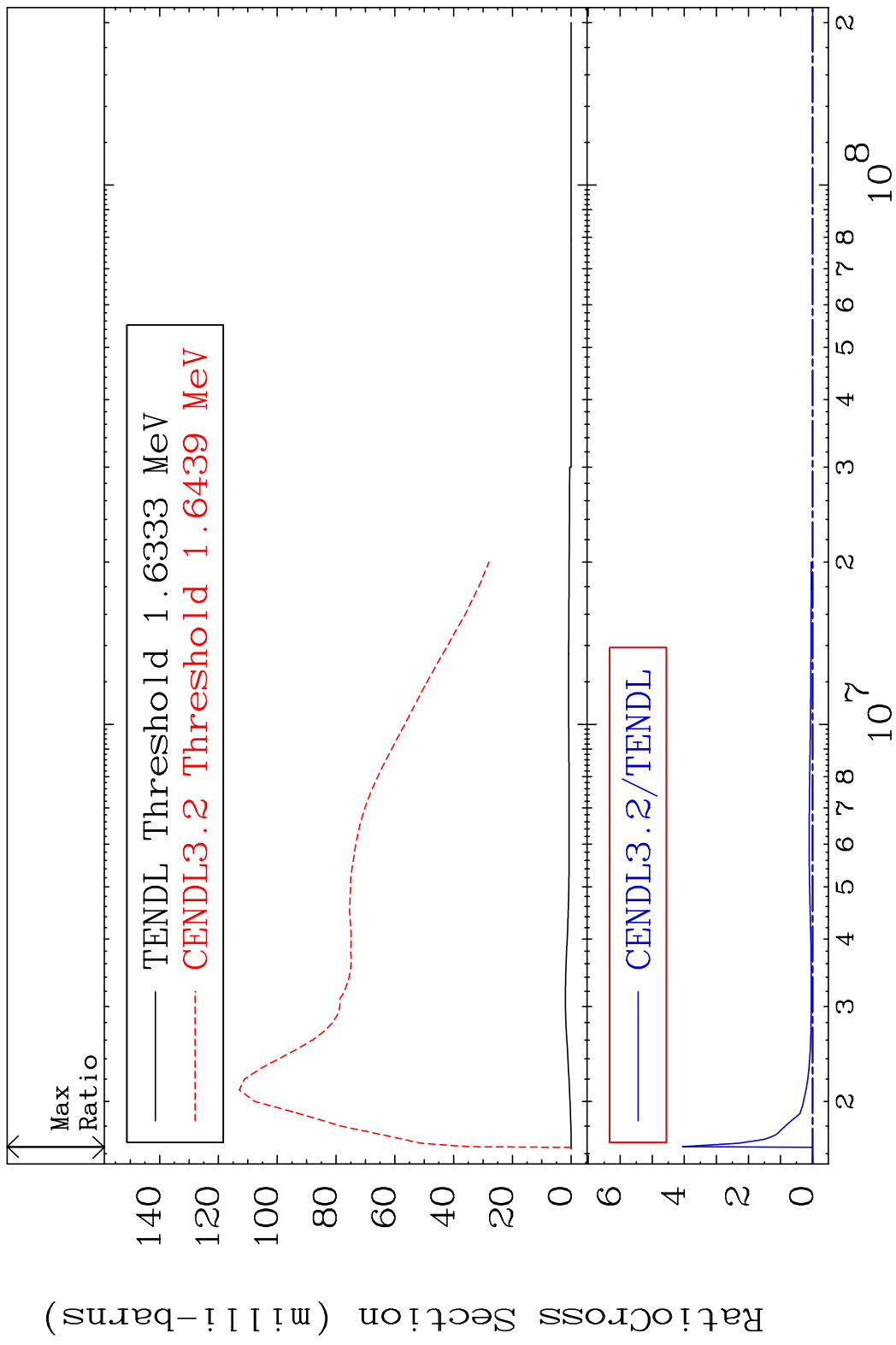
MAT 7425 MT= 69 (n, n') Level 74-W -180
 Cross Section -100.0 To -97.55%



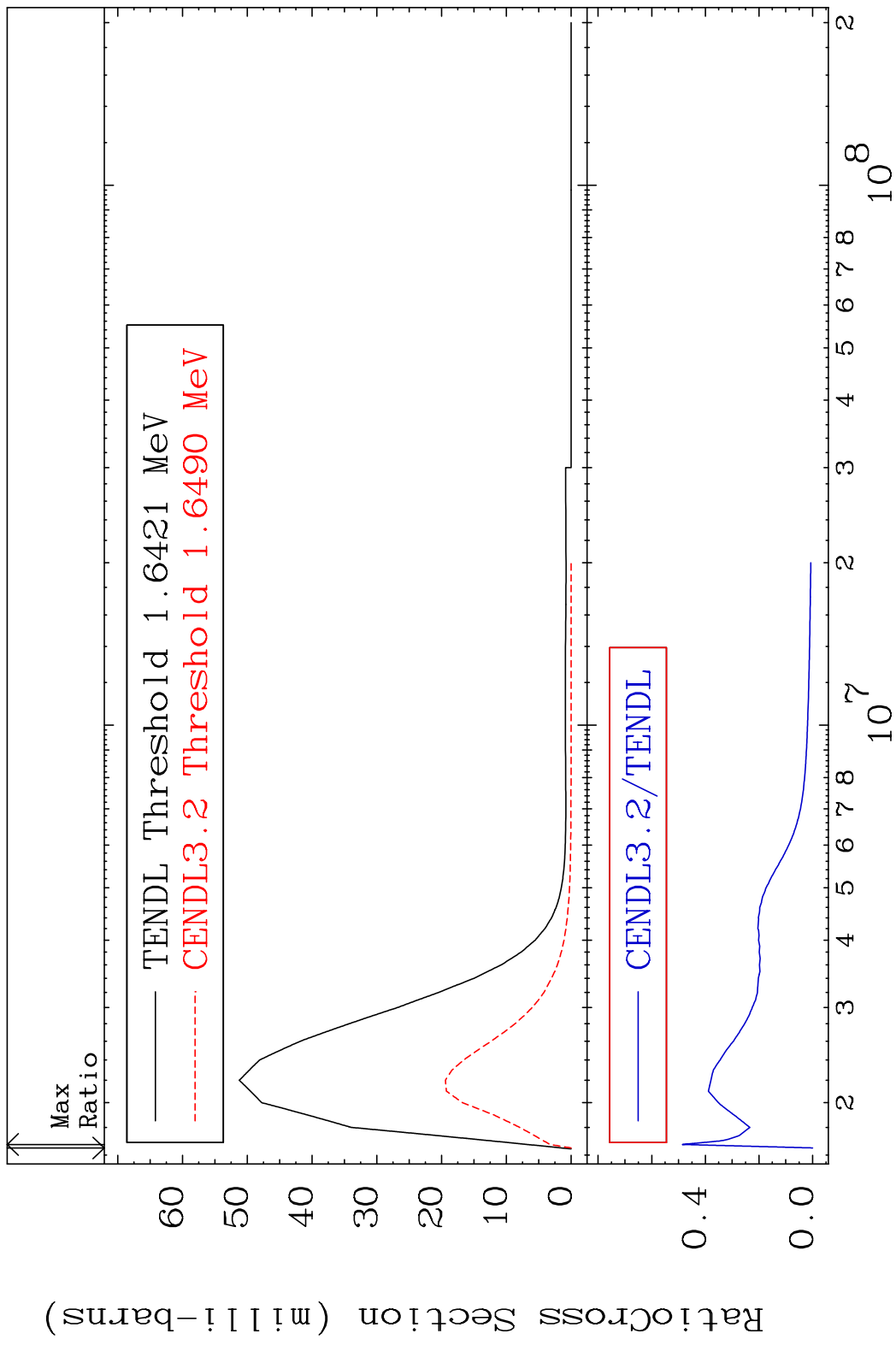
MAT 7425 MT= 70 (n,n') Level 74-W -180
 Cross Section -100.0 To -19.66%



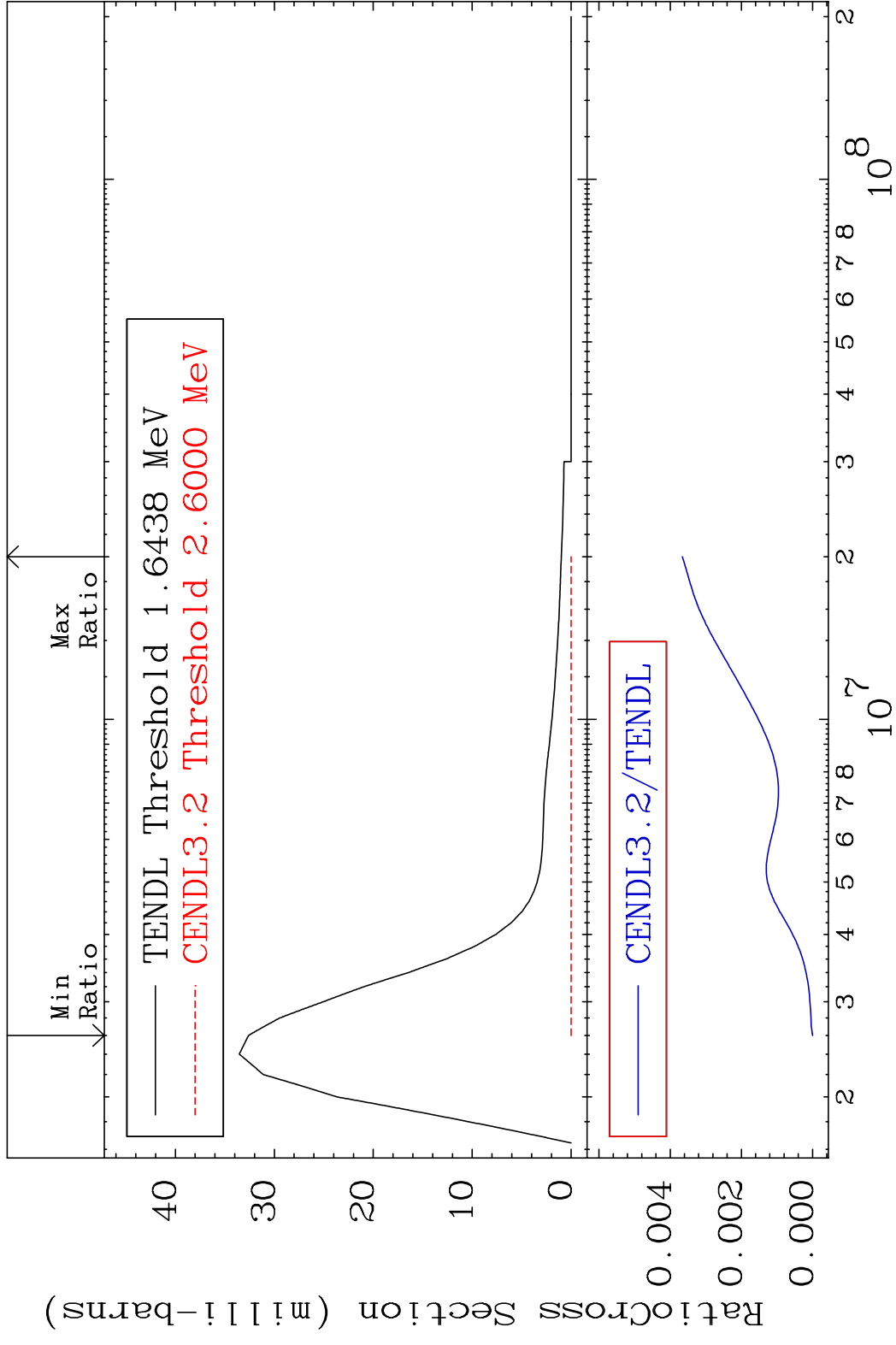
MAT 7425 MT= 71 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %



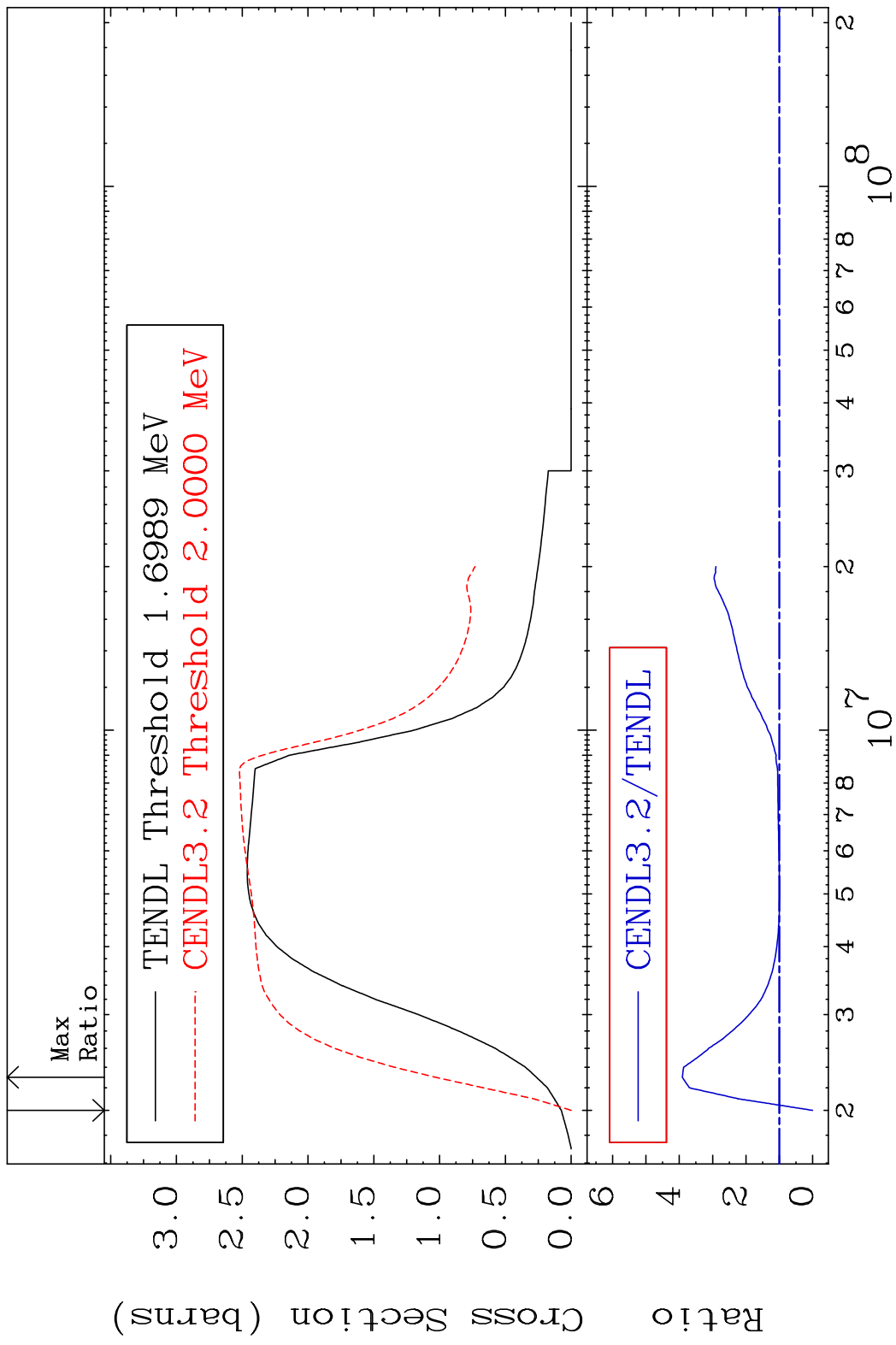
MAT 7425 MT= 72 (n, n') Level 74-W -180
 Cross Section -100.0 To -51.42%



MAT 7425 MT= 73 (n, n') Level 74-W -180
 Cross Section -100.0 To -99.63%



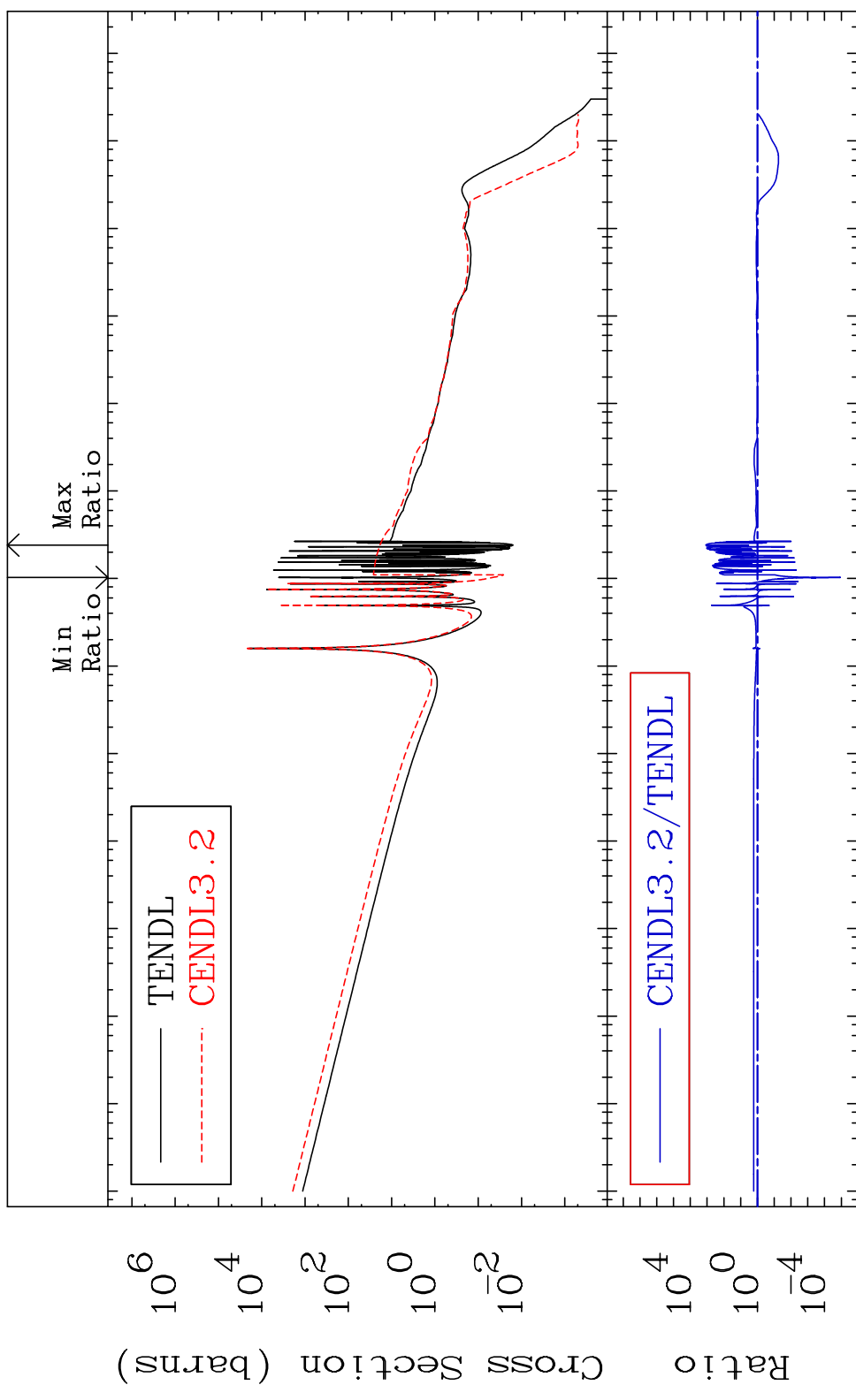
MAT 7425 (n, n') Continuum 74-W -180
 Cross Section -100.0 To 290.8 %



MAT 7425

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

74-W -180

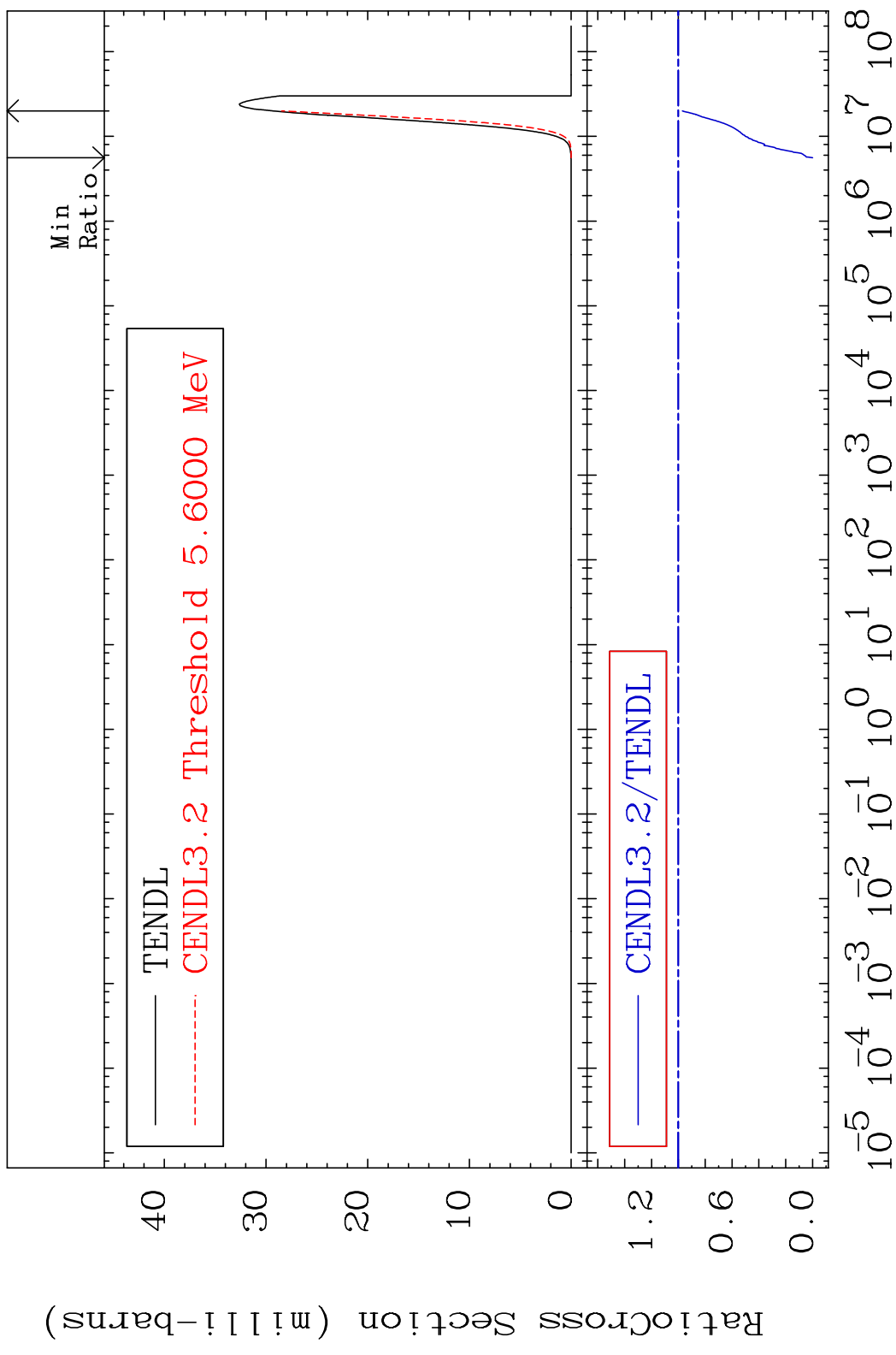


MAT 7425

(n, p)

74-W -180

Cross Section -100.0 To -2.965%



33

Incident Energy (eV)

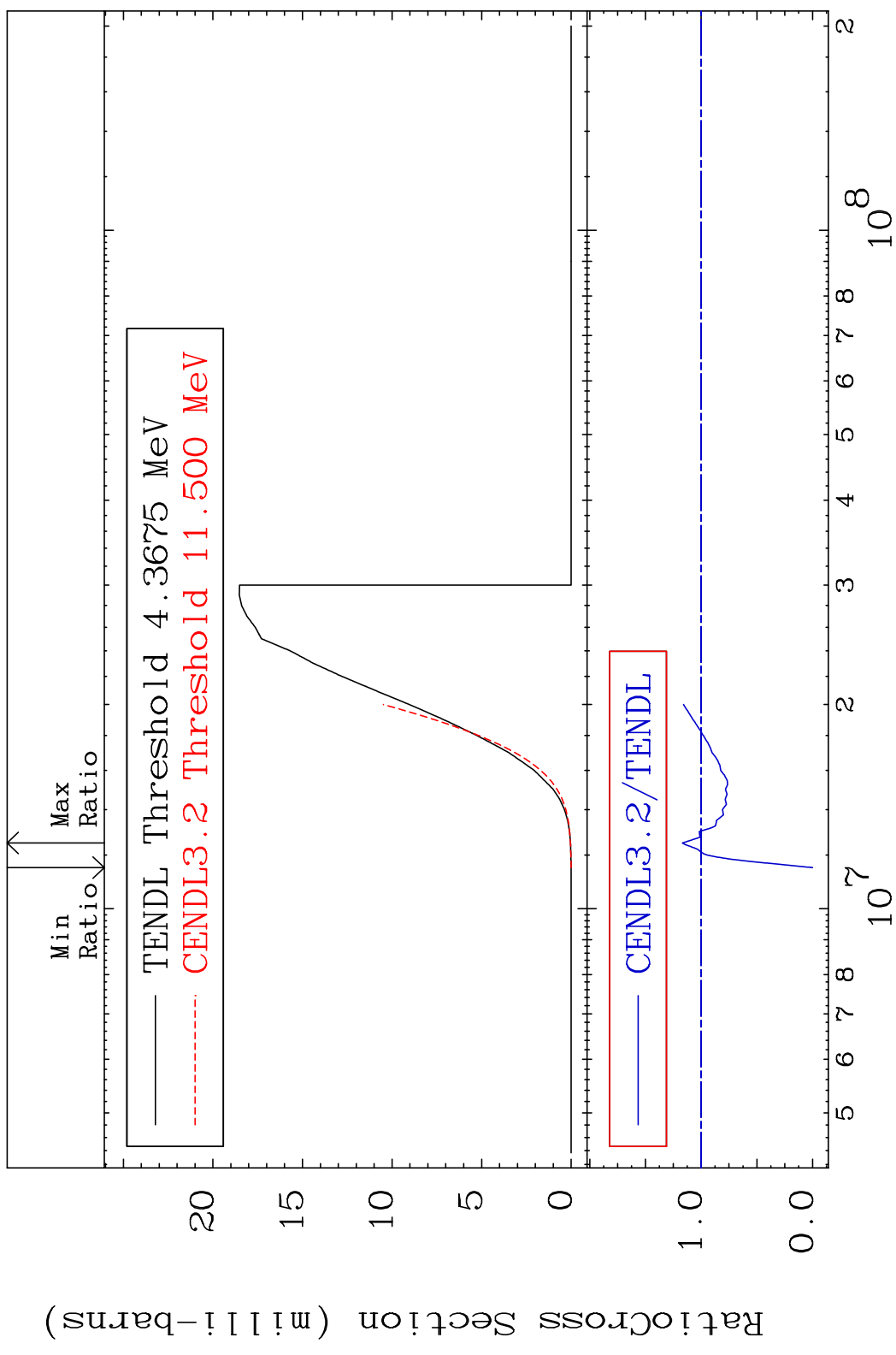
74-W -180

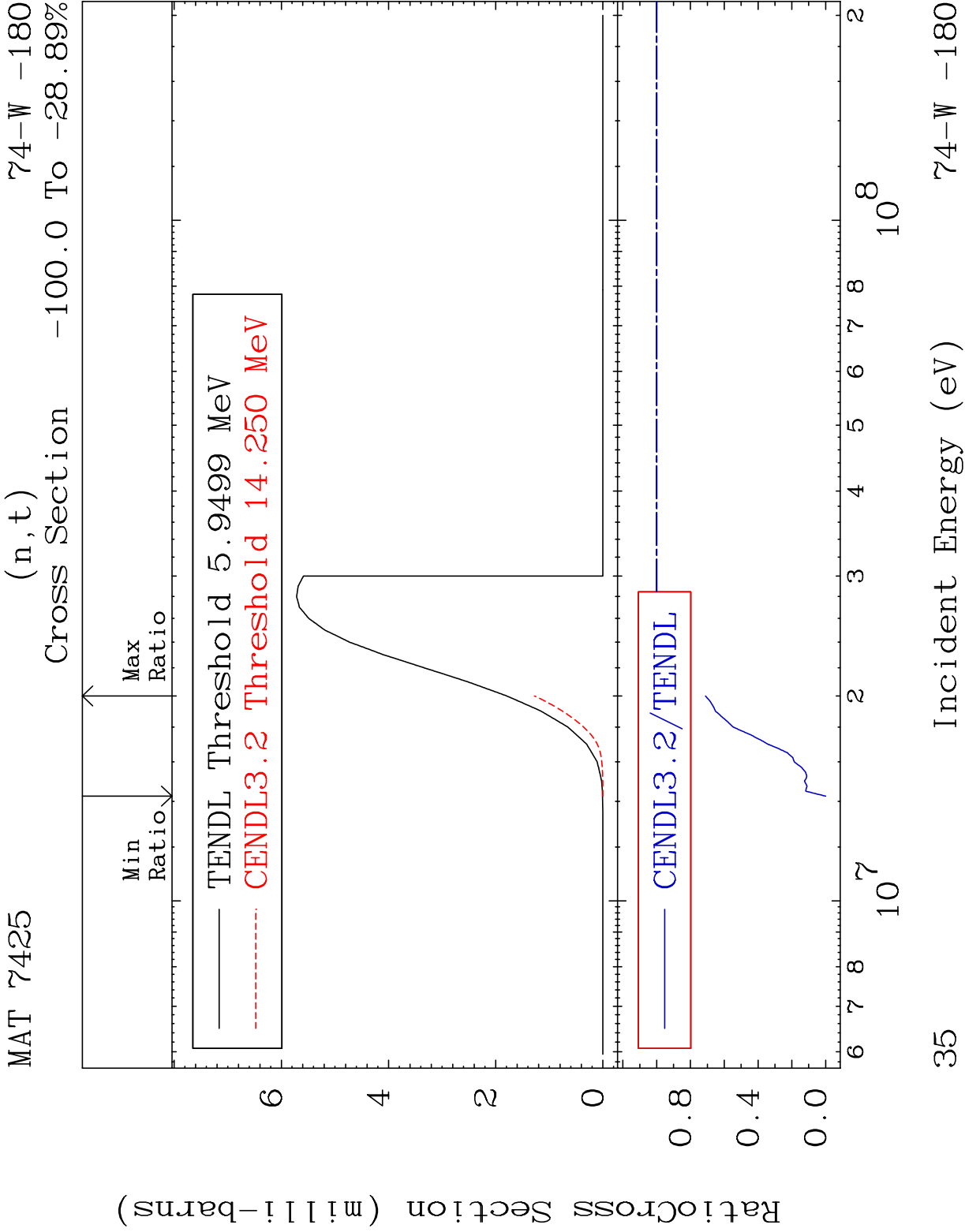
MAT 7425

(n, d)

74-W -180

Cross Section -100.0 To 16.90 %



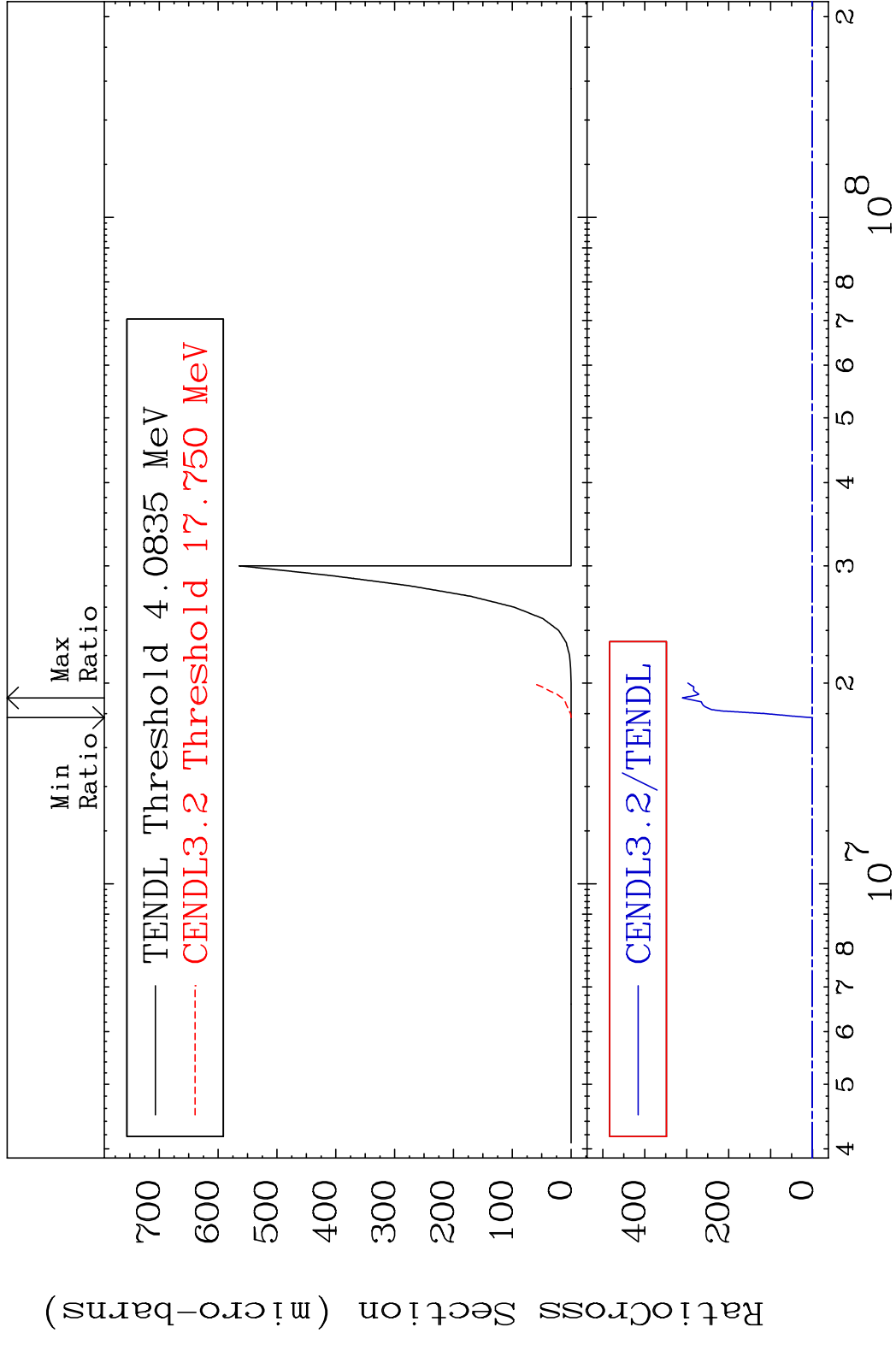


MAT 7425

(n, He-3)

74-W -180

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

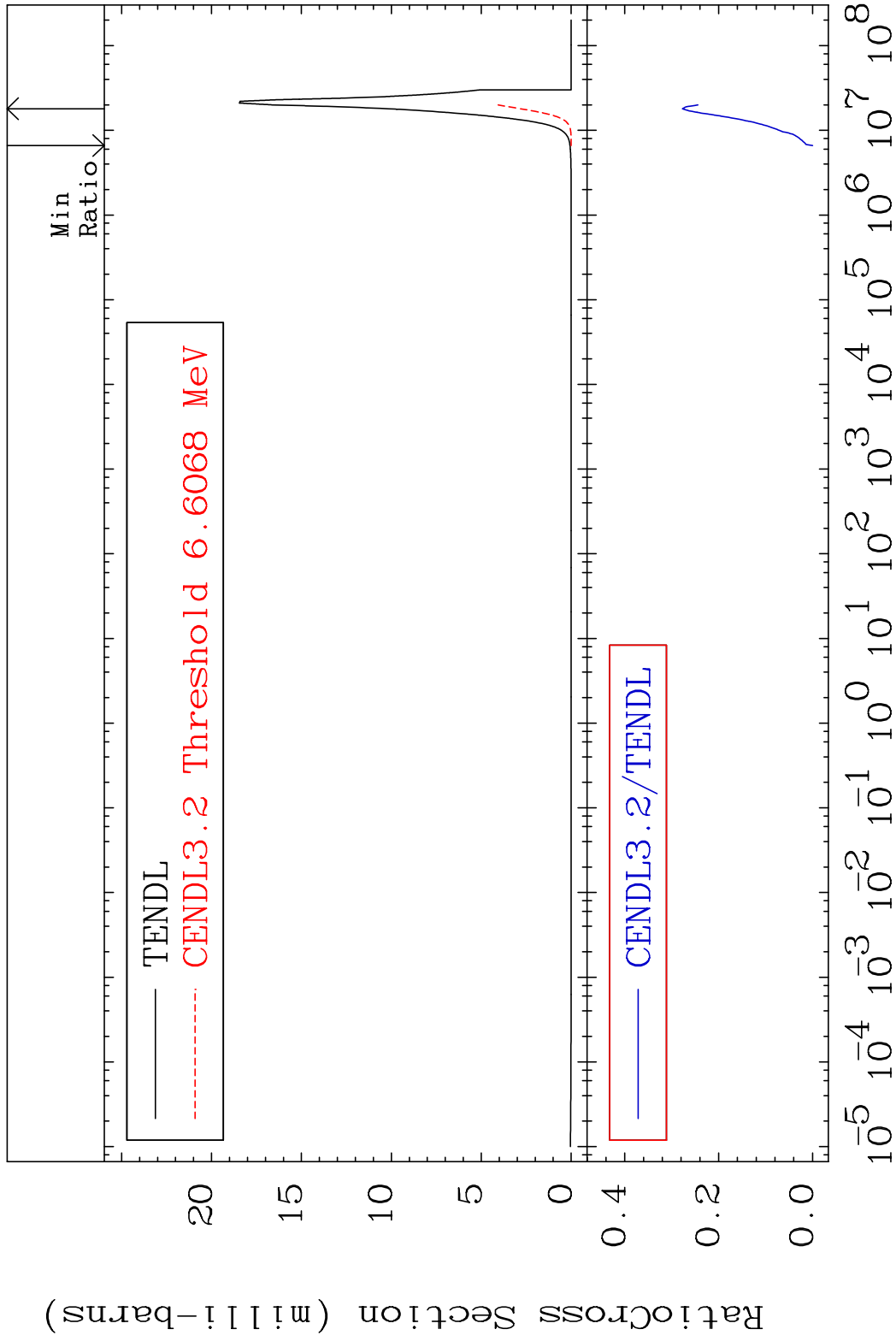
74-W -180

MAT 7425

(n, α)

74-W -180

Cross Section -100.0 To -72.27%



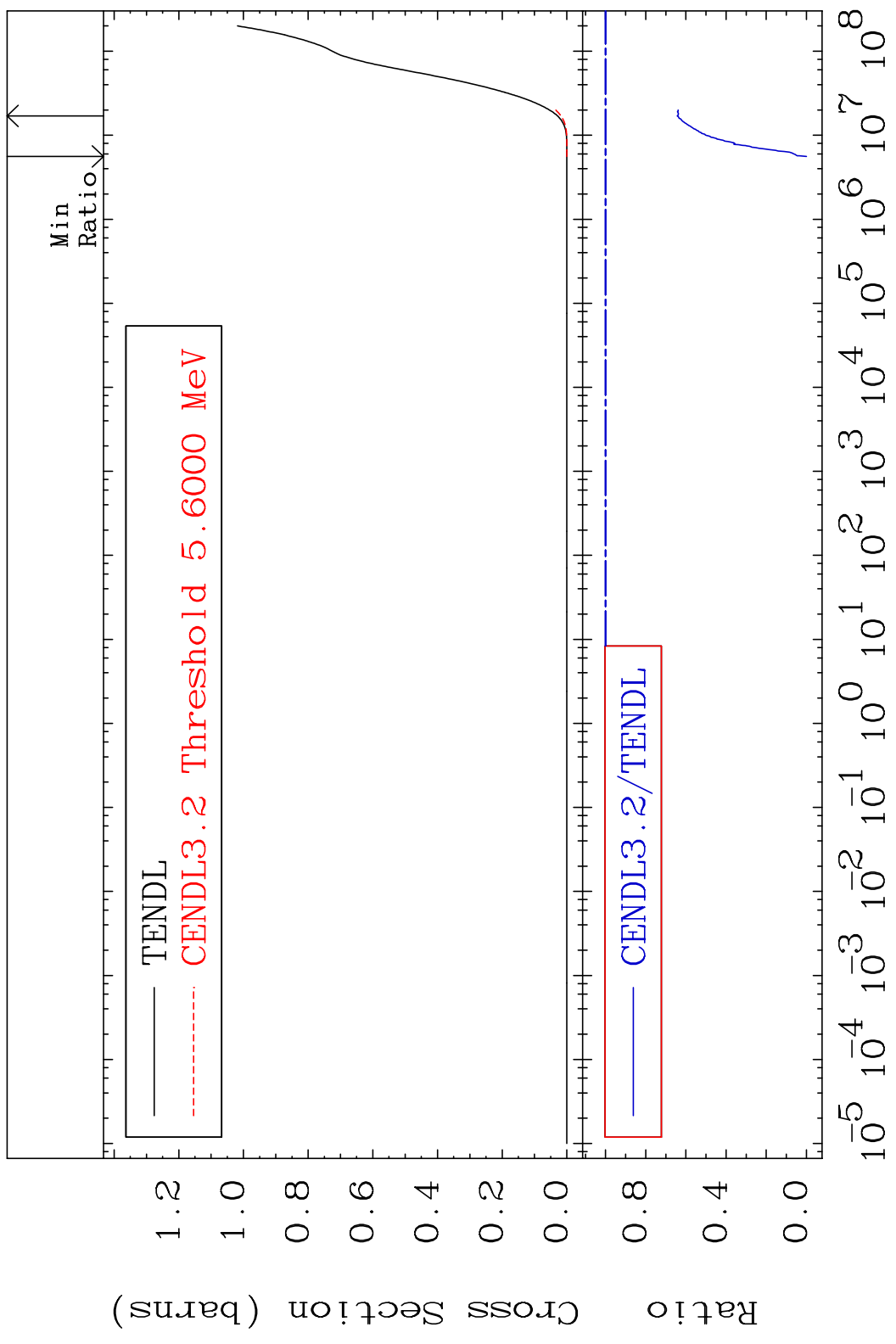
37

Incident Energy (eV)

74-W -180

MAT 7425

Hydrogen Production 74-W -180
Cross Section -100.0 To -35.67%

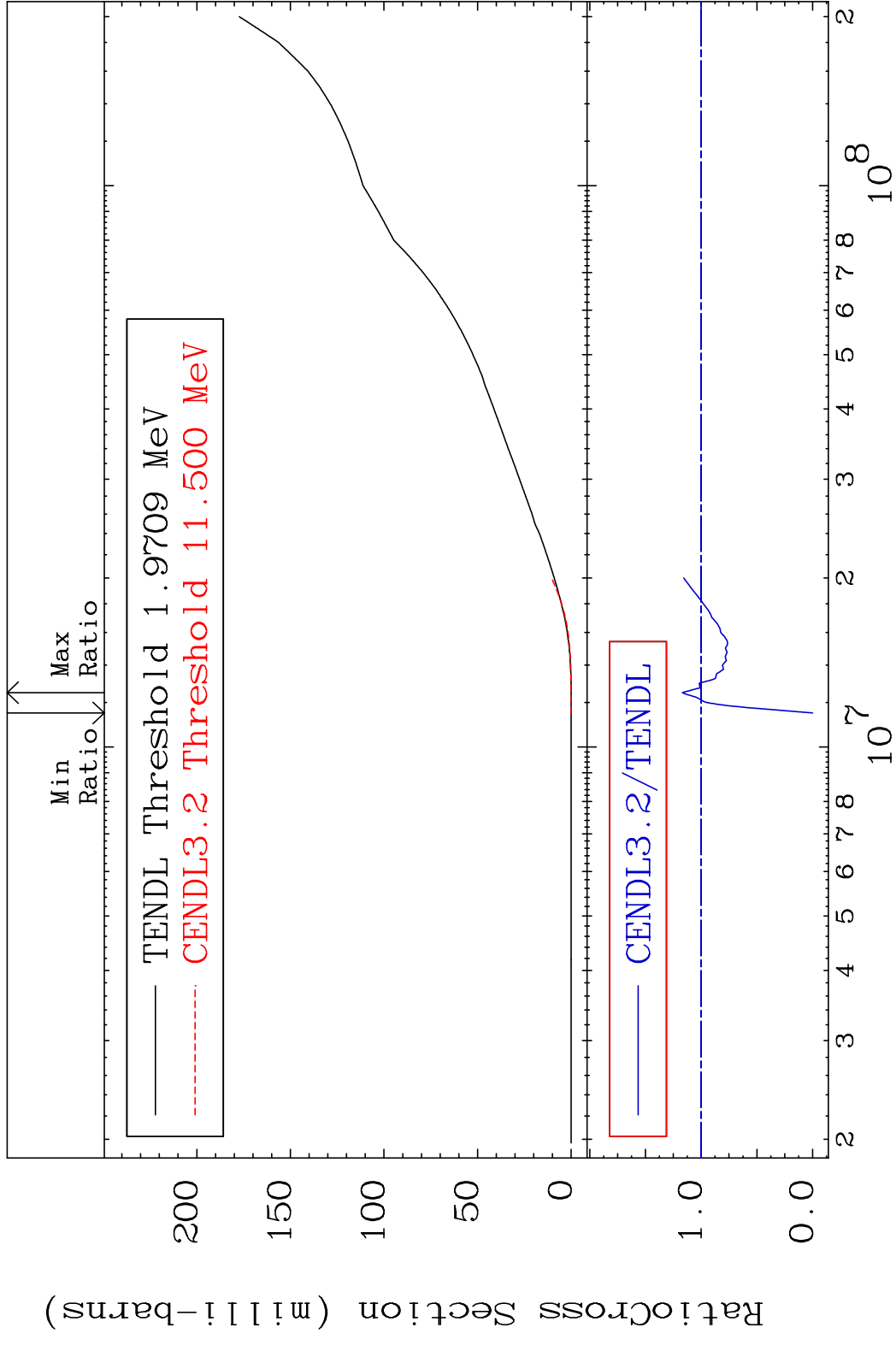


38

Incident Energy (eV) 74-W -180

MAT 7425

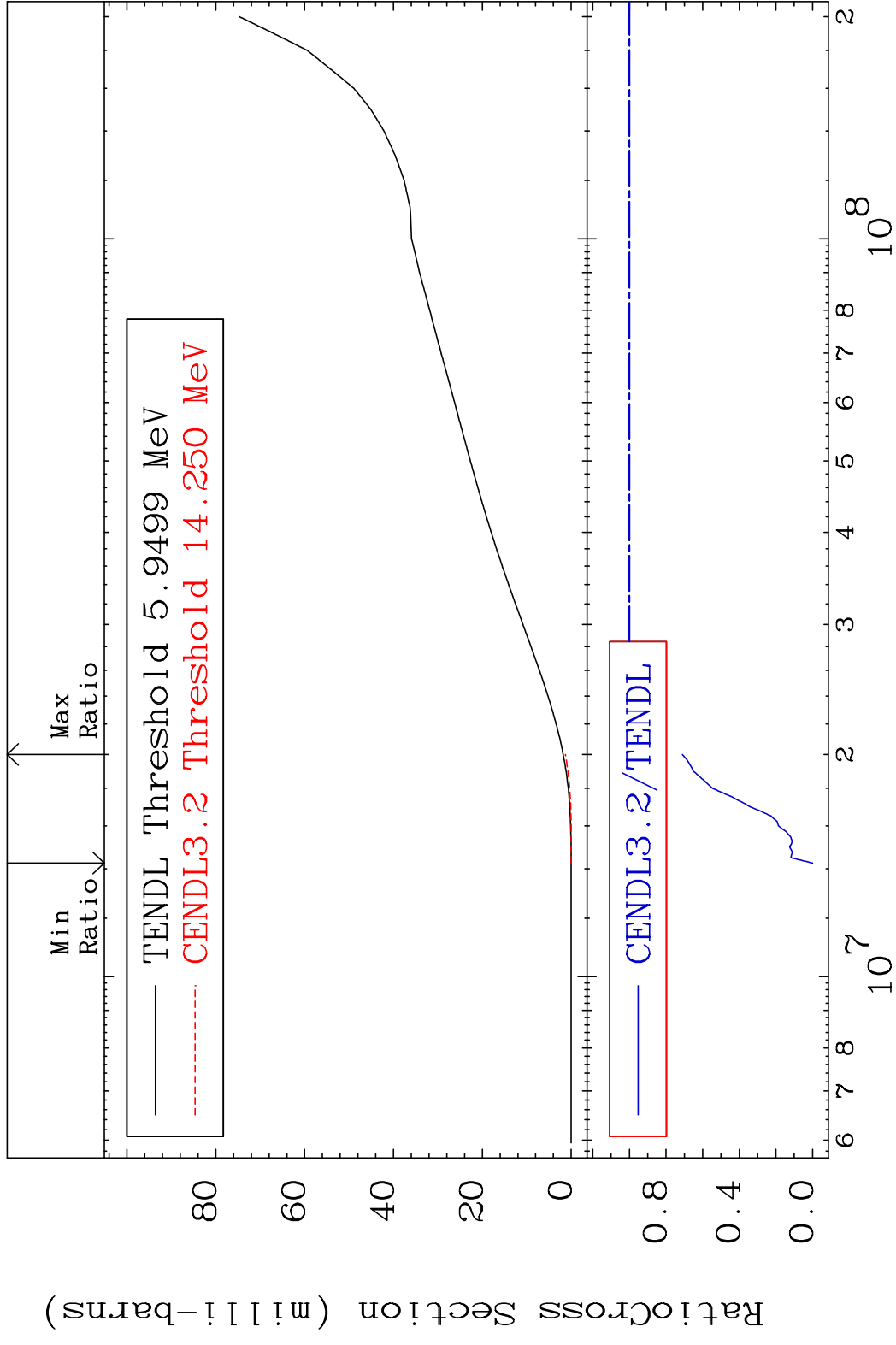
Deuterium Production 74-W -180
Cross Section -100.0 To 16.90 %



39

Incident Energy (eV) 74-W -180

MAT 7425 Tritium Production 74-W -180
 Cross Section -100.0 To -28.92%



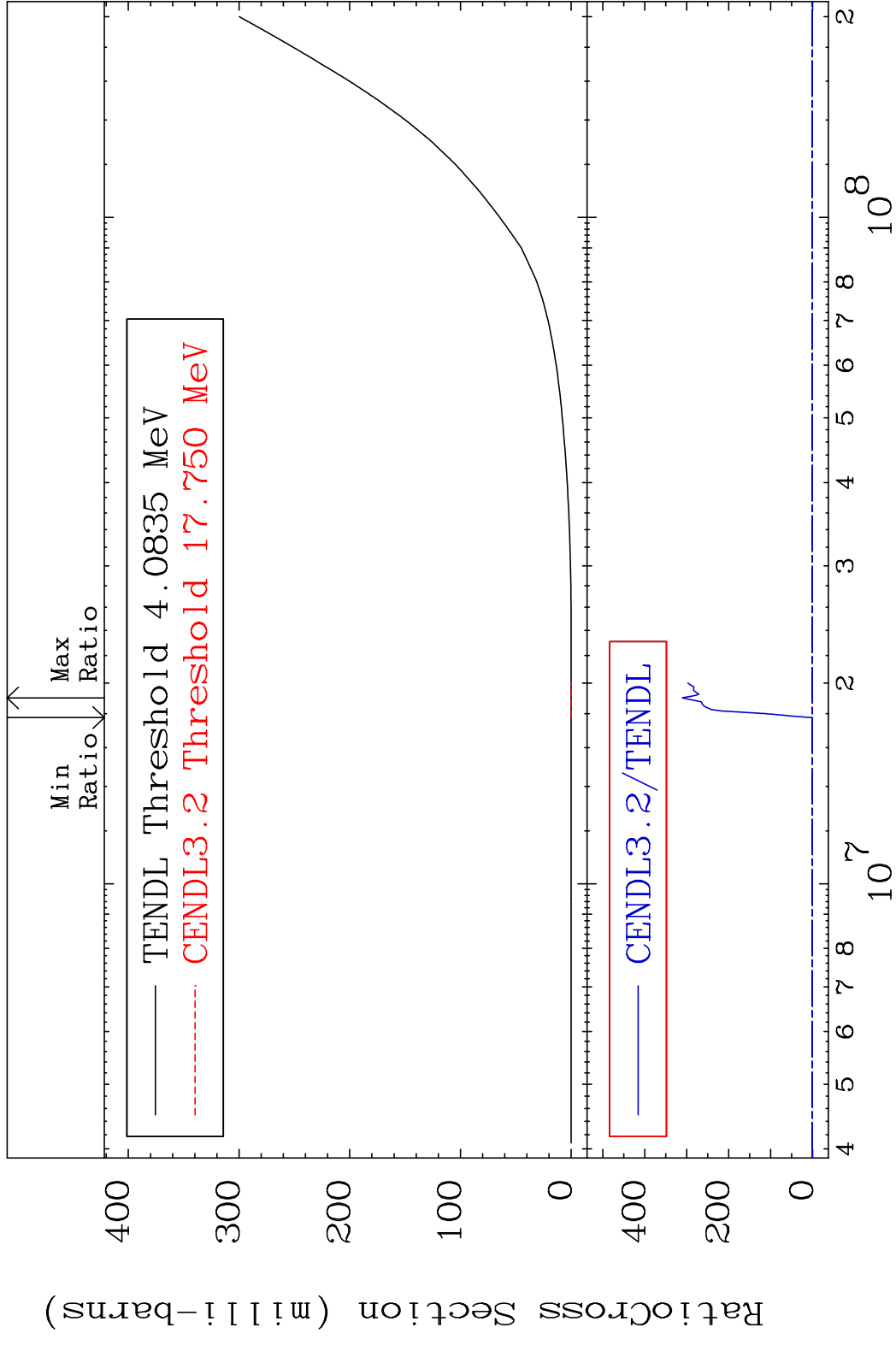
40 Incident Energy (eV) 74-W -180

MAT 7425

He-3 Production

74-W -180

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

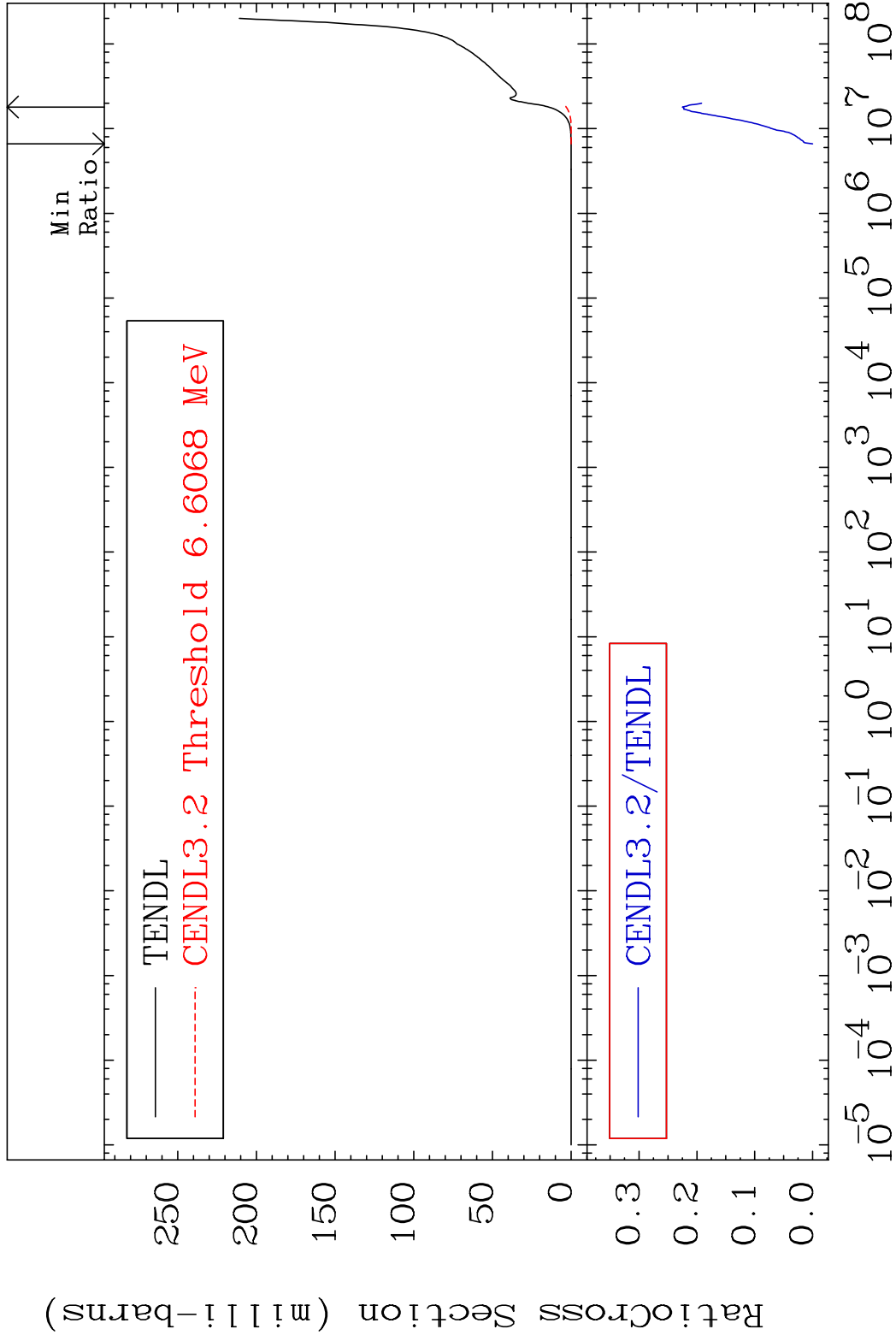
74-W -180

MAT 7425

He-4 Production

74-W -180

Cross Section -100.0 To -77.49%

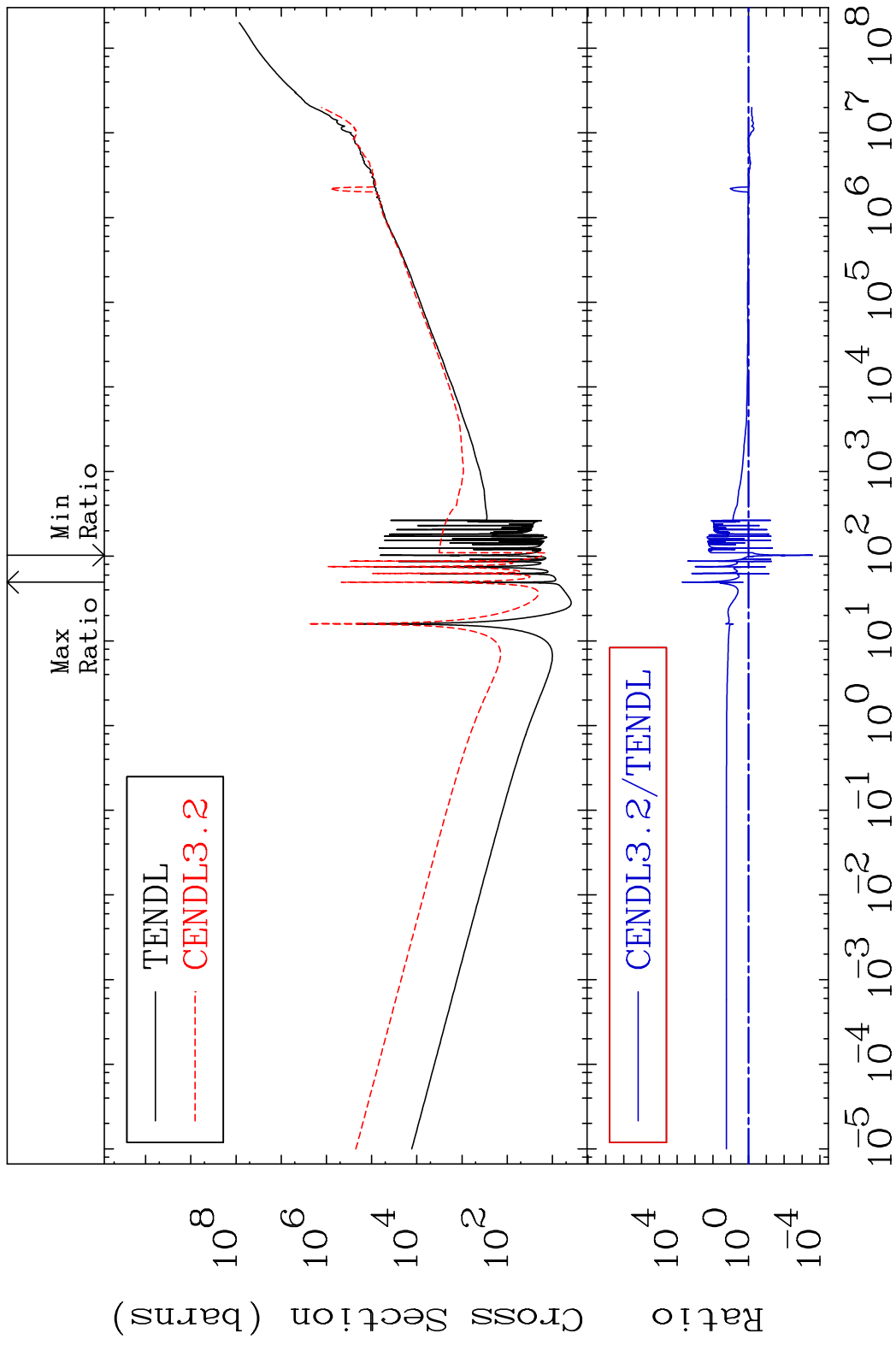


42

Incident Energy (eV)

74-W -180

MAT 7425 Kerma total (eV-barns) 74-W -180
 Cross Section -99.97 To 9999. %



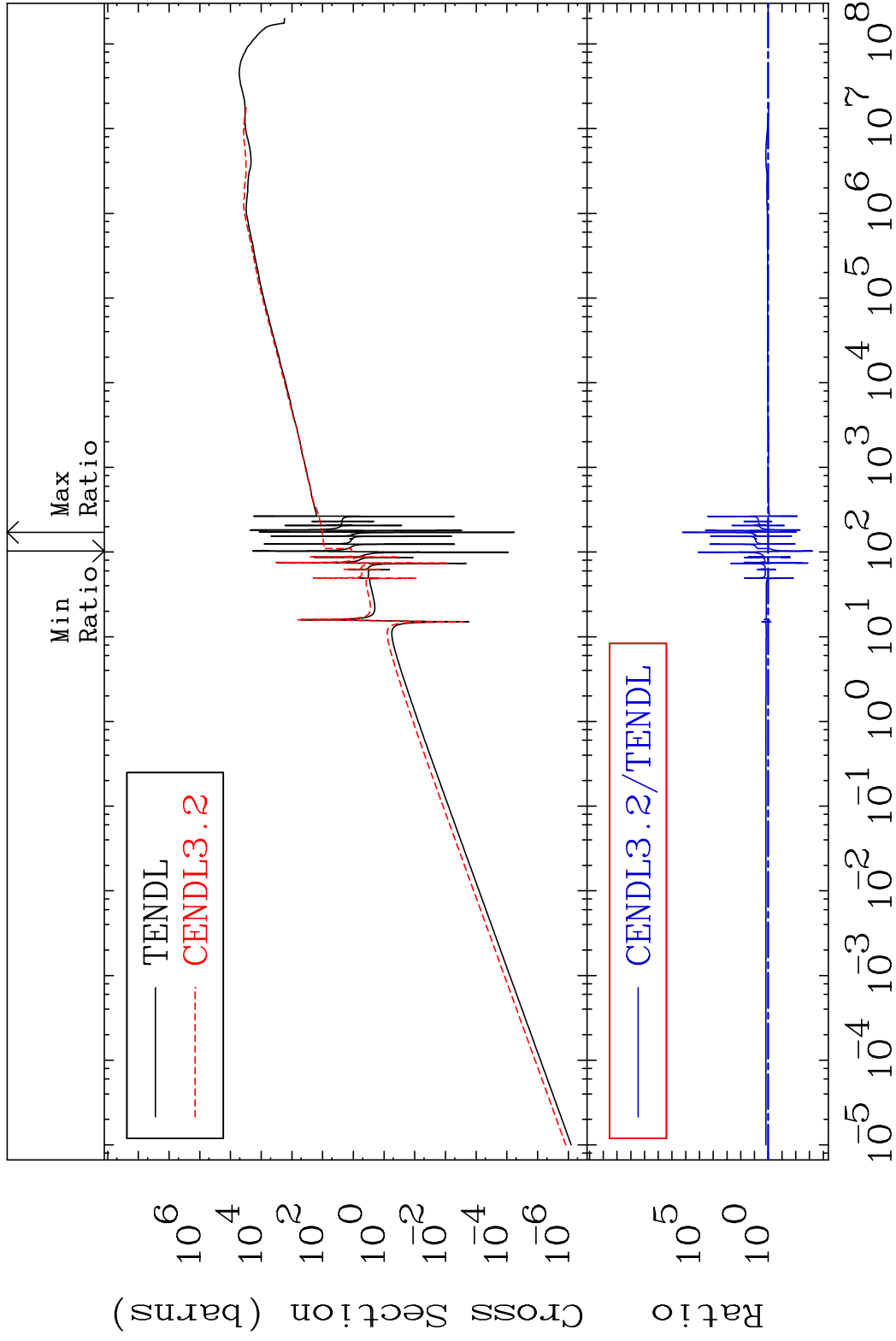
43 Incident Energy (eV) 74-W -180

MAT 7425

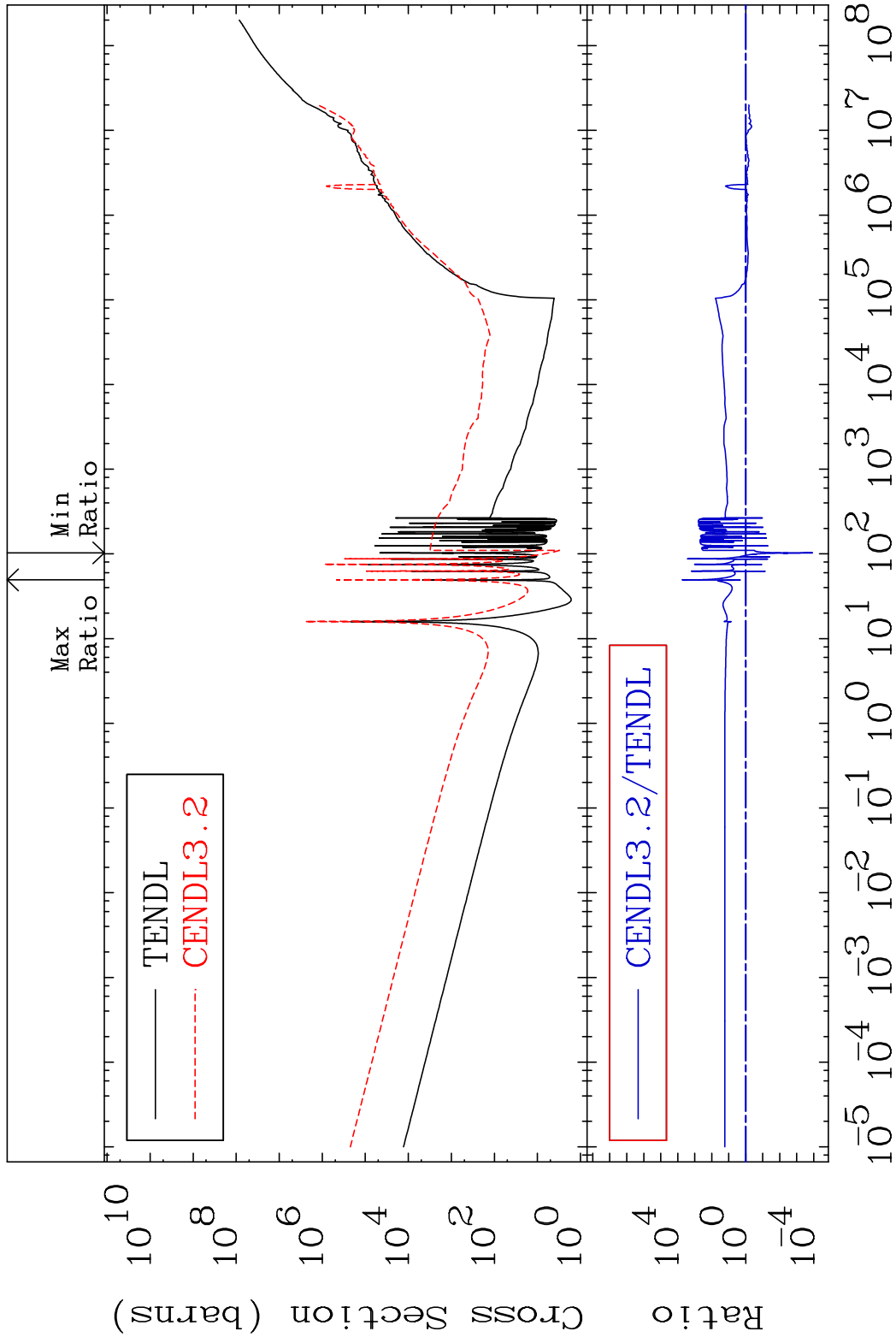
Kerma elastic

74-W -180

Cross Section -99.94 To 9999. %

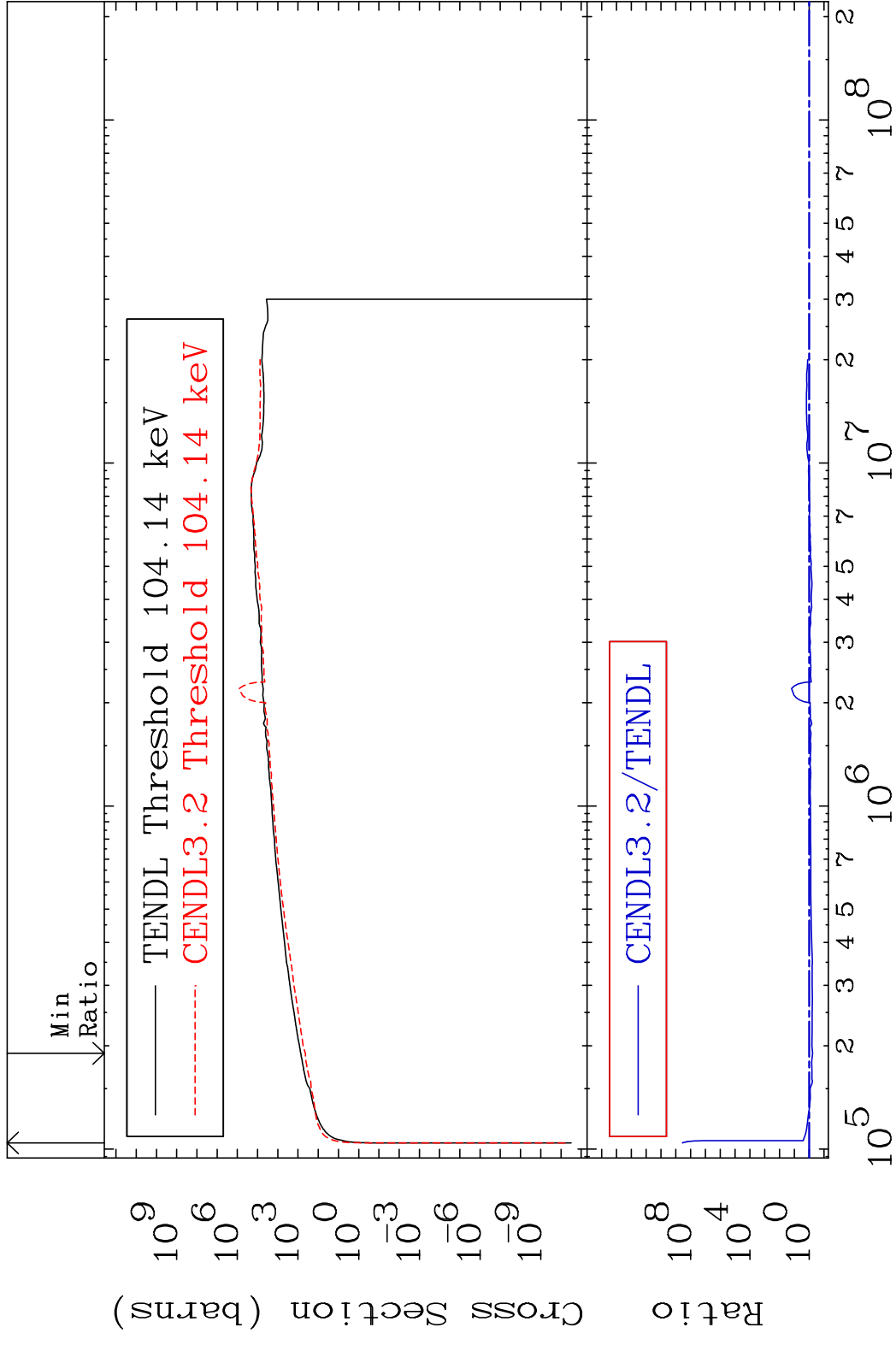


MAT 7425 Kerma non-elastic (all but mt2) 74-W -180
 Cross Section -99.99 To 9999. %



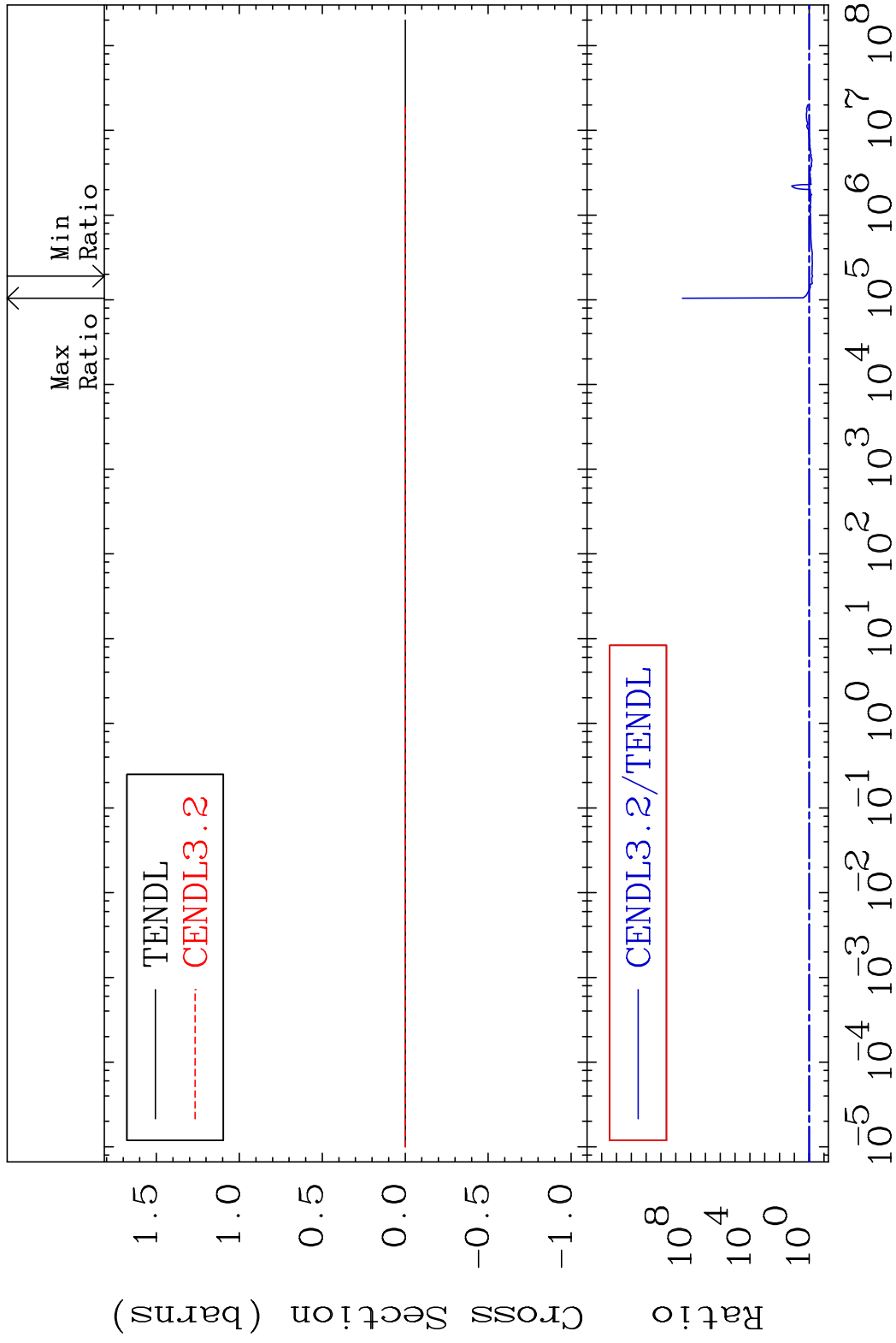
45 Incident Energy (eV) 74-W -180

MAT 7425 Kerma inelastic (mt51-91) 74-W -180
 Cross Section -41.26 To 9999. %



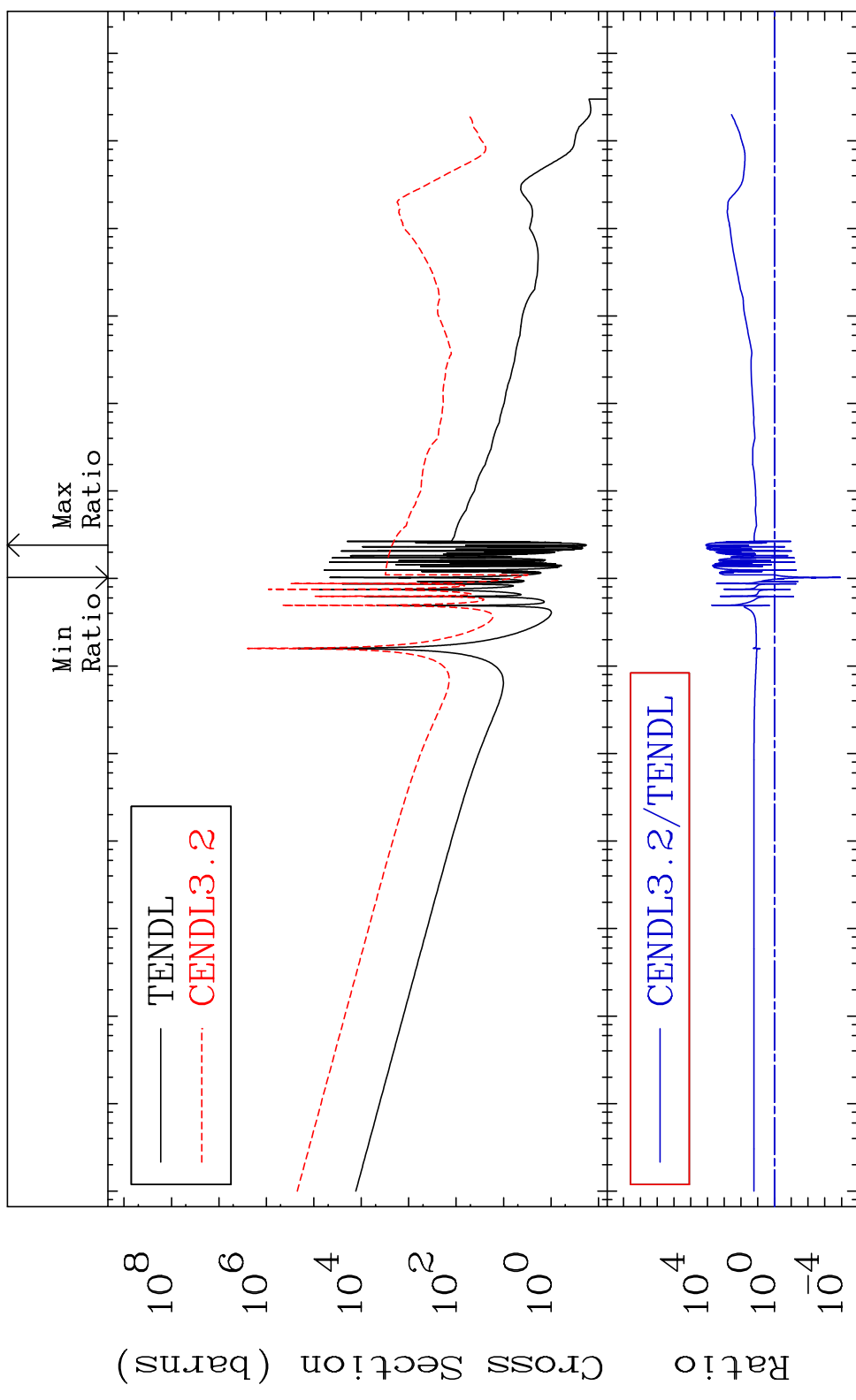
46 Incident Energy (eV) 74-W -180

MAT 7425 Kerma fission (mt18 or mt19-20-21-38)74-W -180
 Cross Section -41.26 To 9999. %



MAT 7425

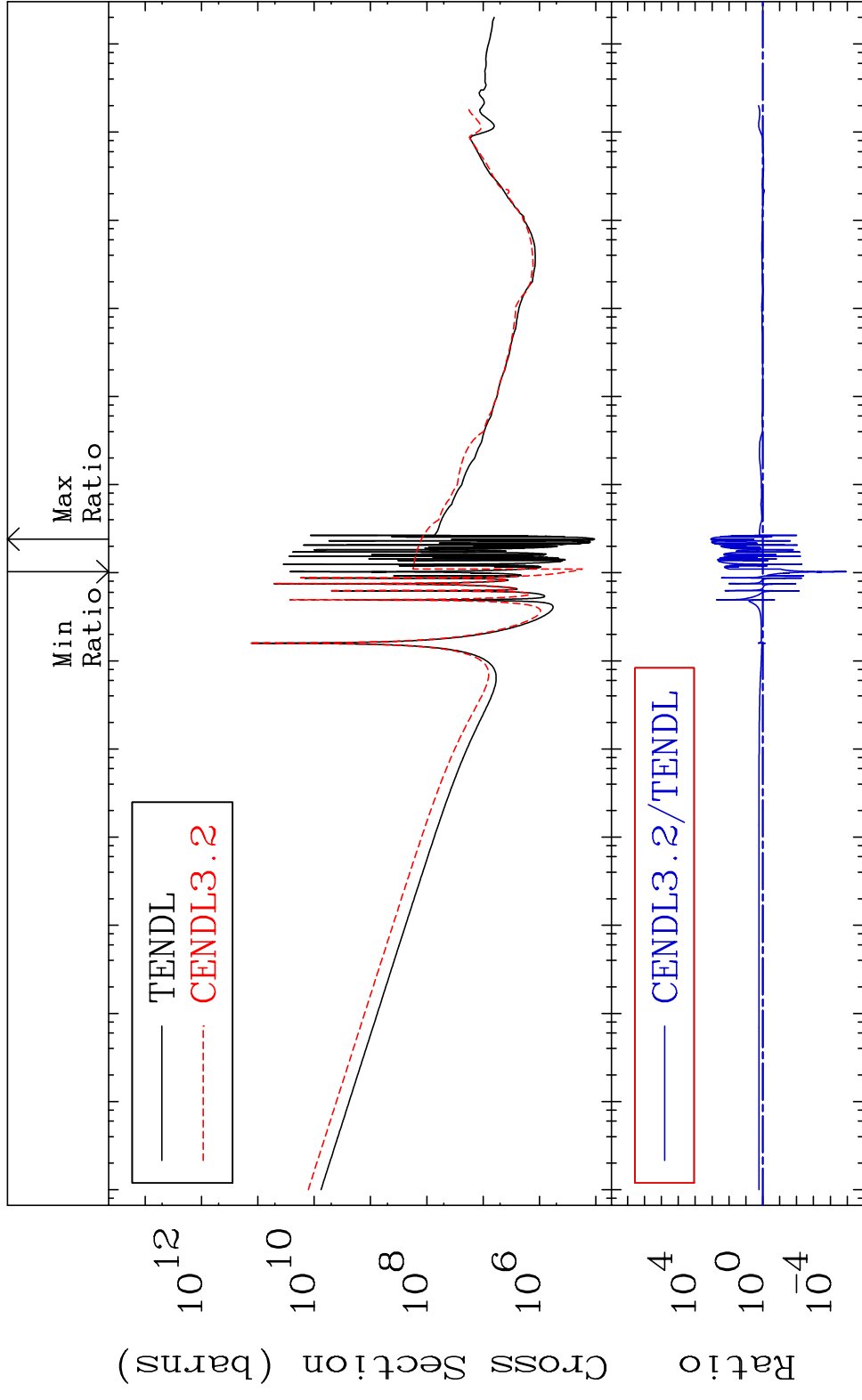
Kerma capture (mt102) 74-W -180
Cross Section -99.99 To 9999. %



48

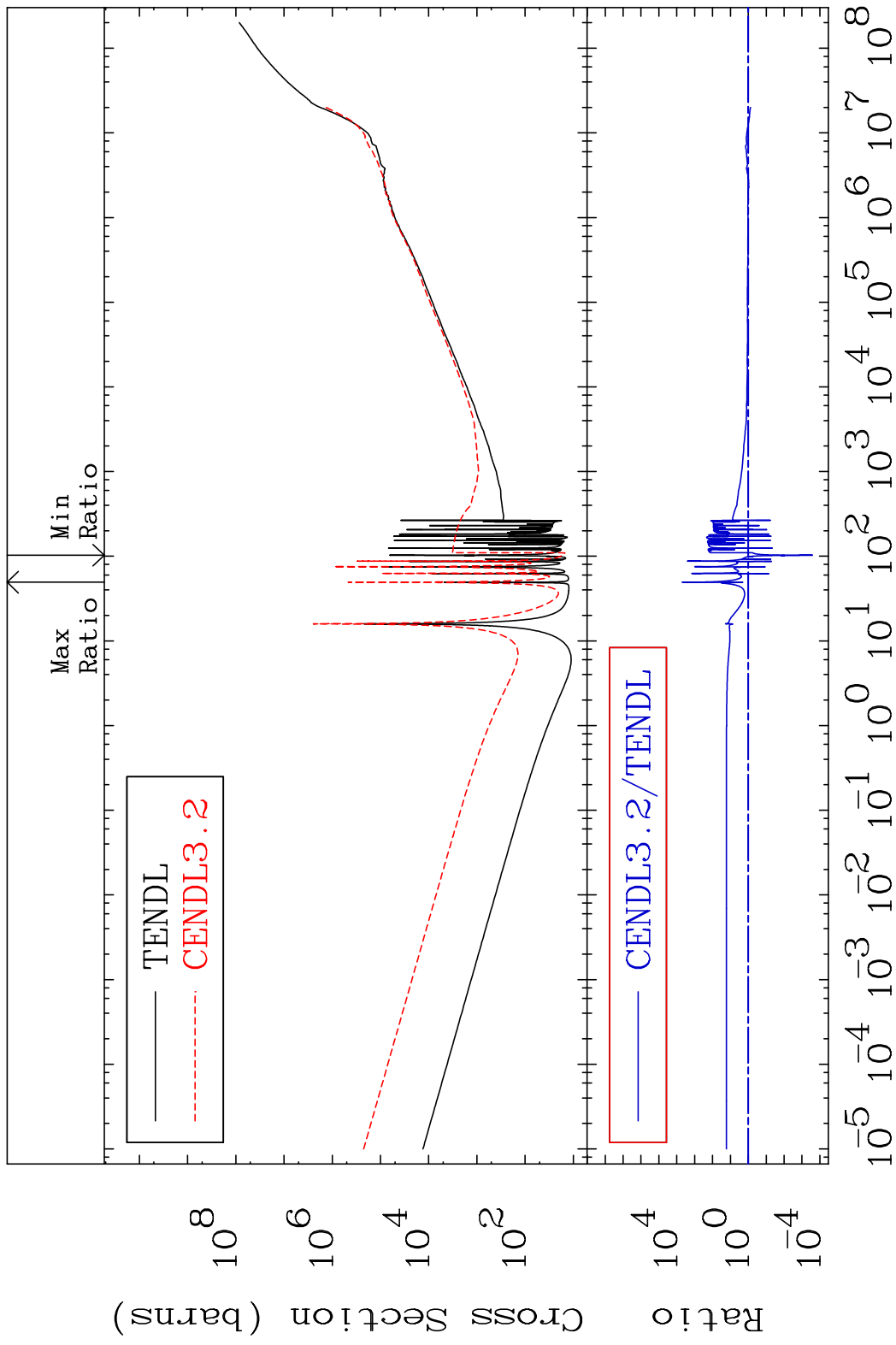
Incident Energy (eV) 74-W -180

MAT 7425 Total photon (eV-barns) 74-W -180
 Cross Section -100.0 To 9999. %



49 Incident Energy (eV) 74-W -180

MAT 7425 Total kinematic kerma (high limit) 74-W -180
 Cross Section -99.97 To 9999. %

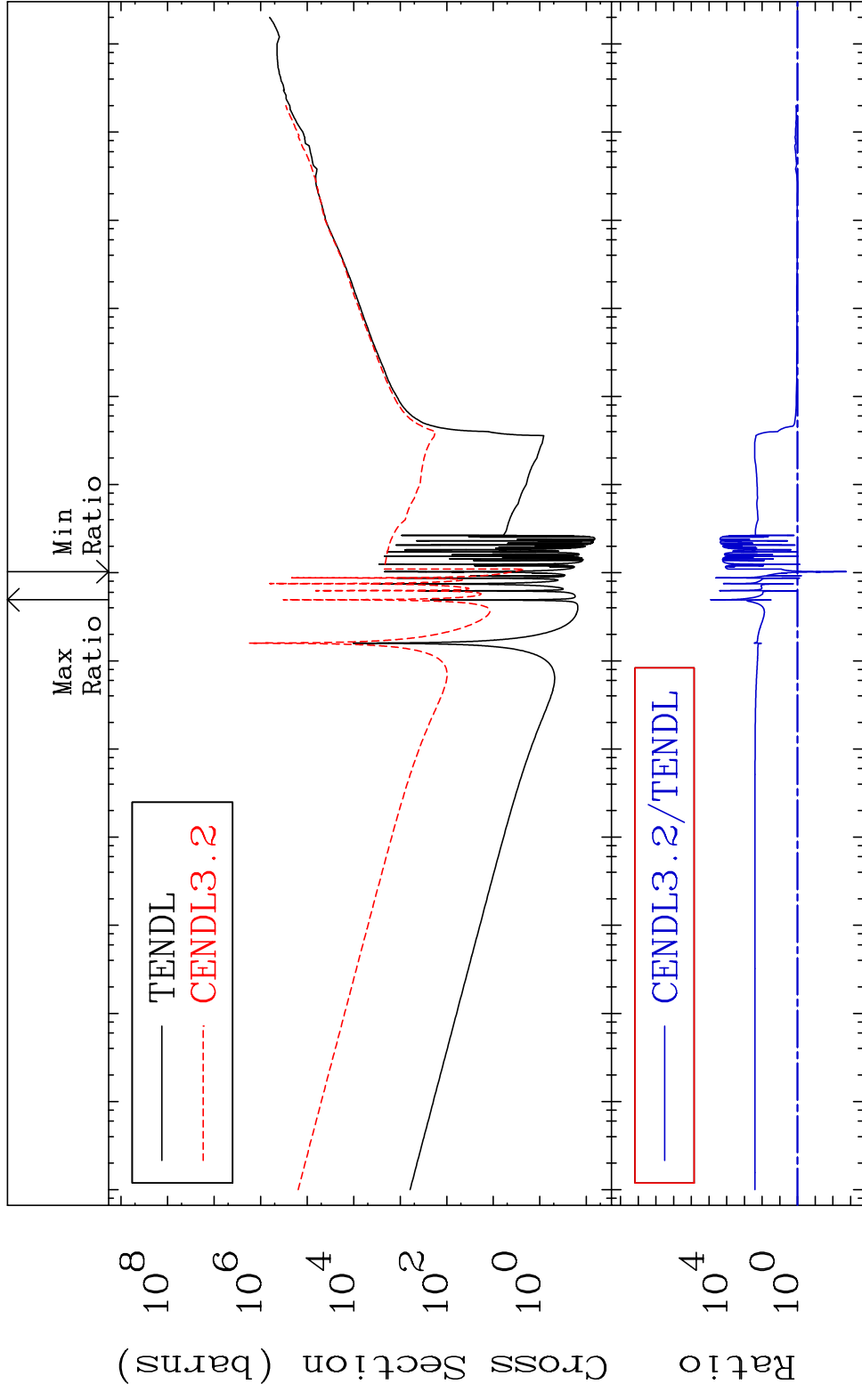


MAT 7425

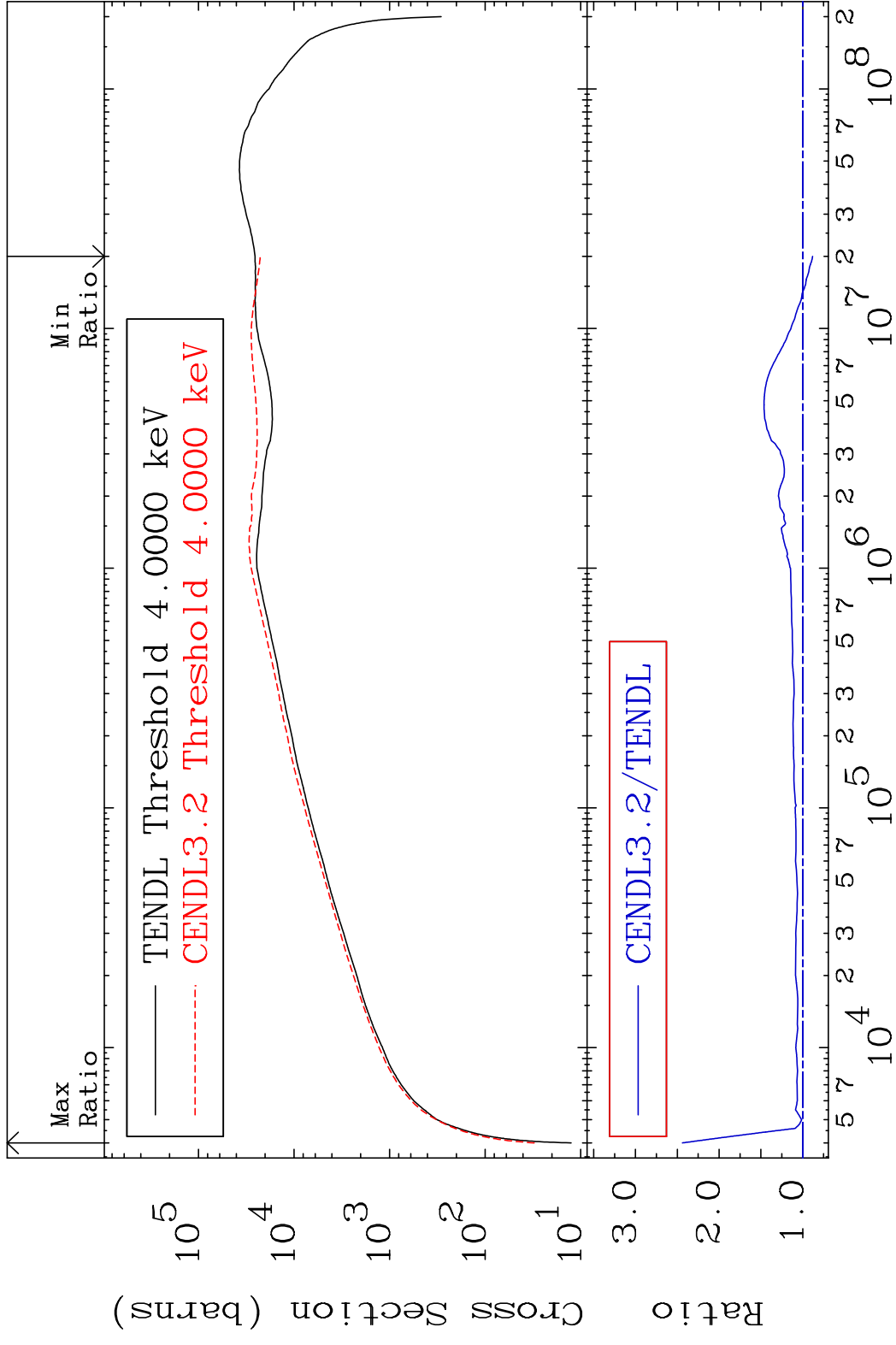
Dpa total (eV-barns)

74-W -180

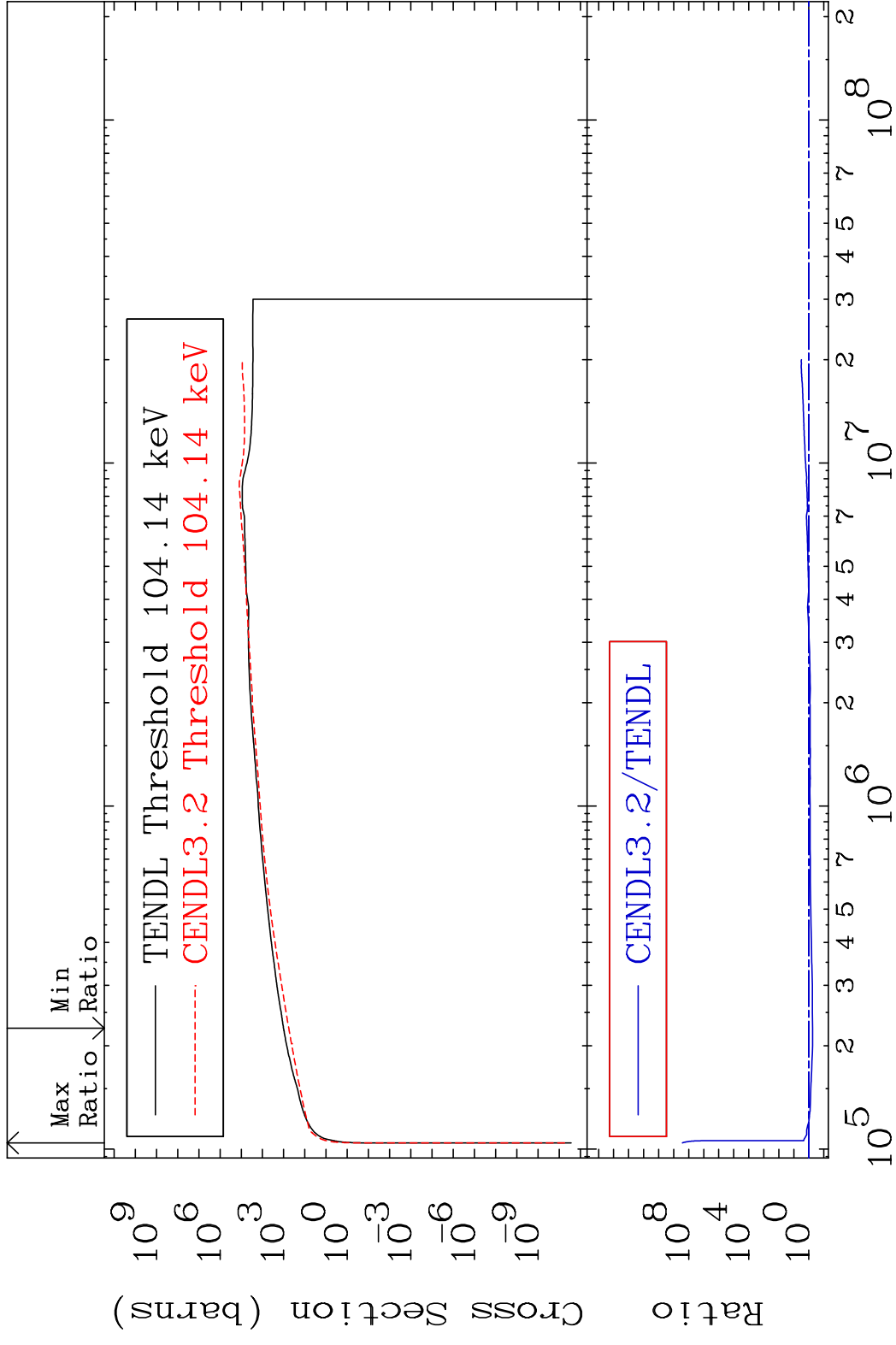
Cross Section -99.83 To 9999. %



MAT 7425 Dpa elastic (mt2) 74-W -180
 Cross Section -11.76 To 144.0 %

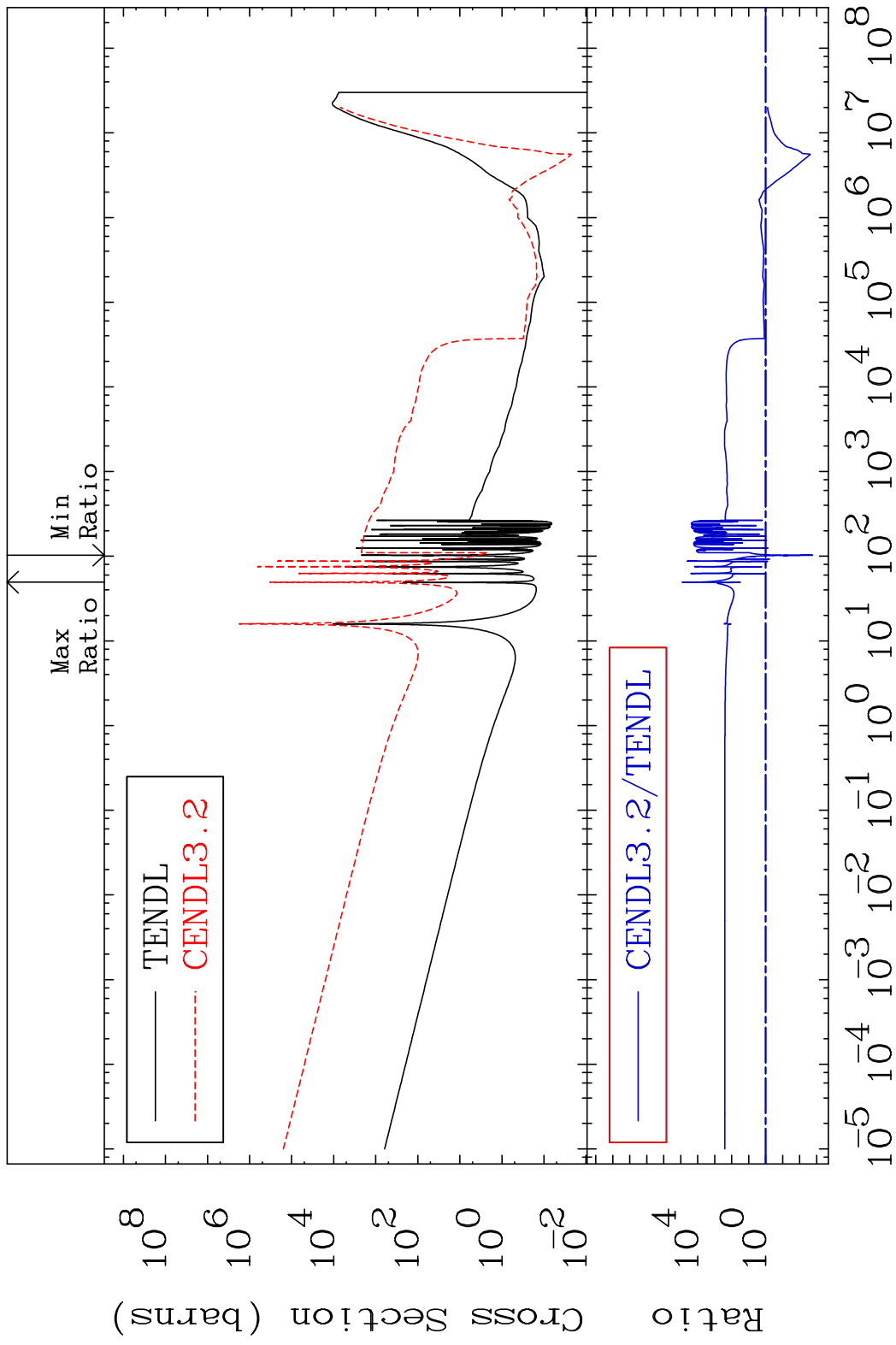


MAT 7425 Dpa inelastic (mt51-91) 74-W -180
 Cross Section -43.47 To 9999. %

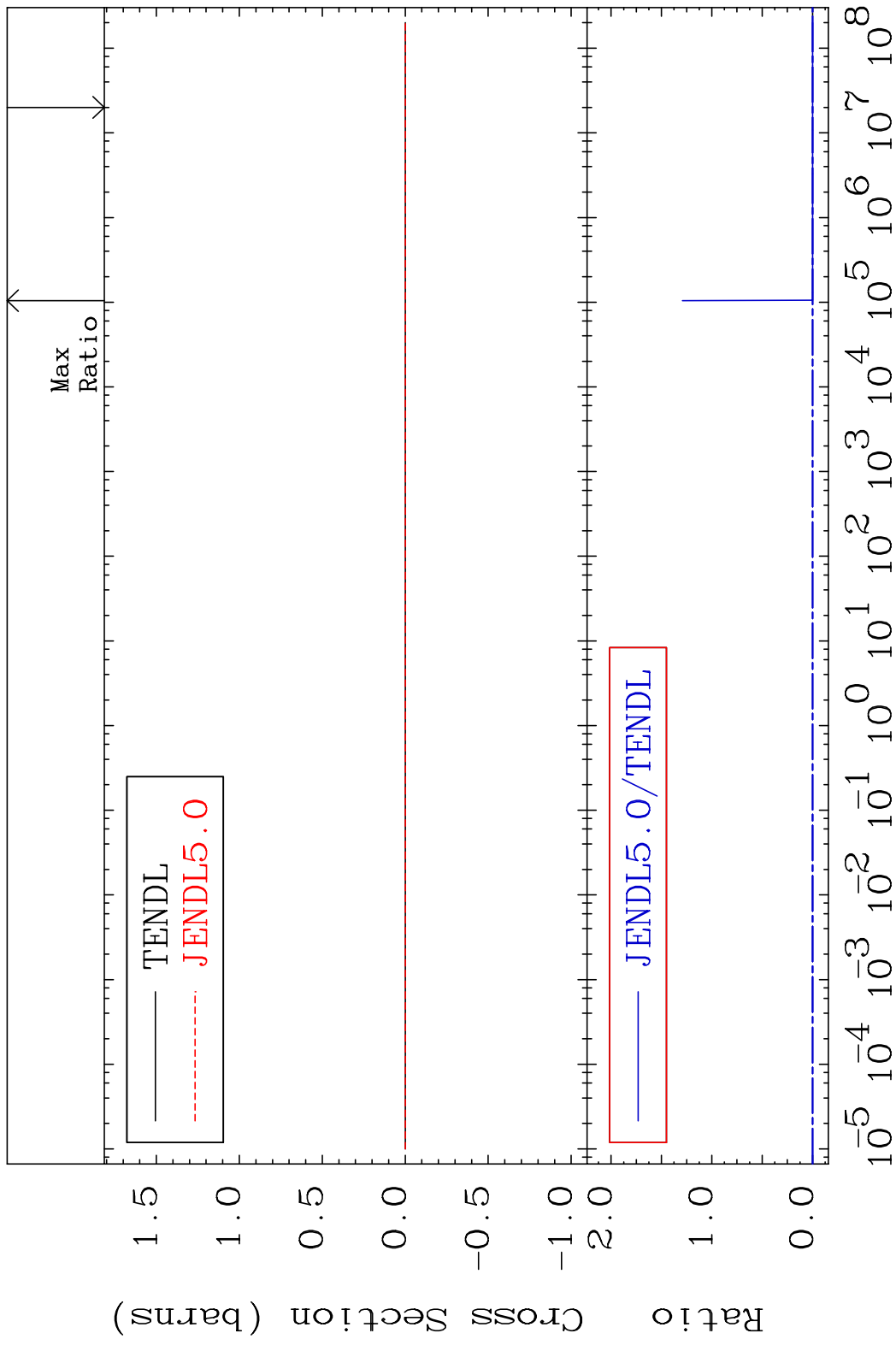


53 Incident Energy (eV) 74-W -180

MAT 7425 Dpa disappearance (mt102 -120) 74-W -180
 Cross Section -99.83 To 9999. %

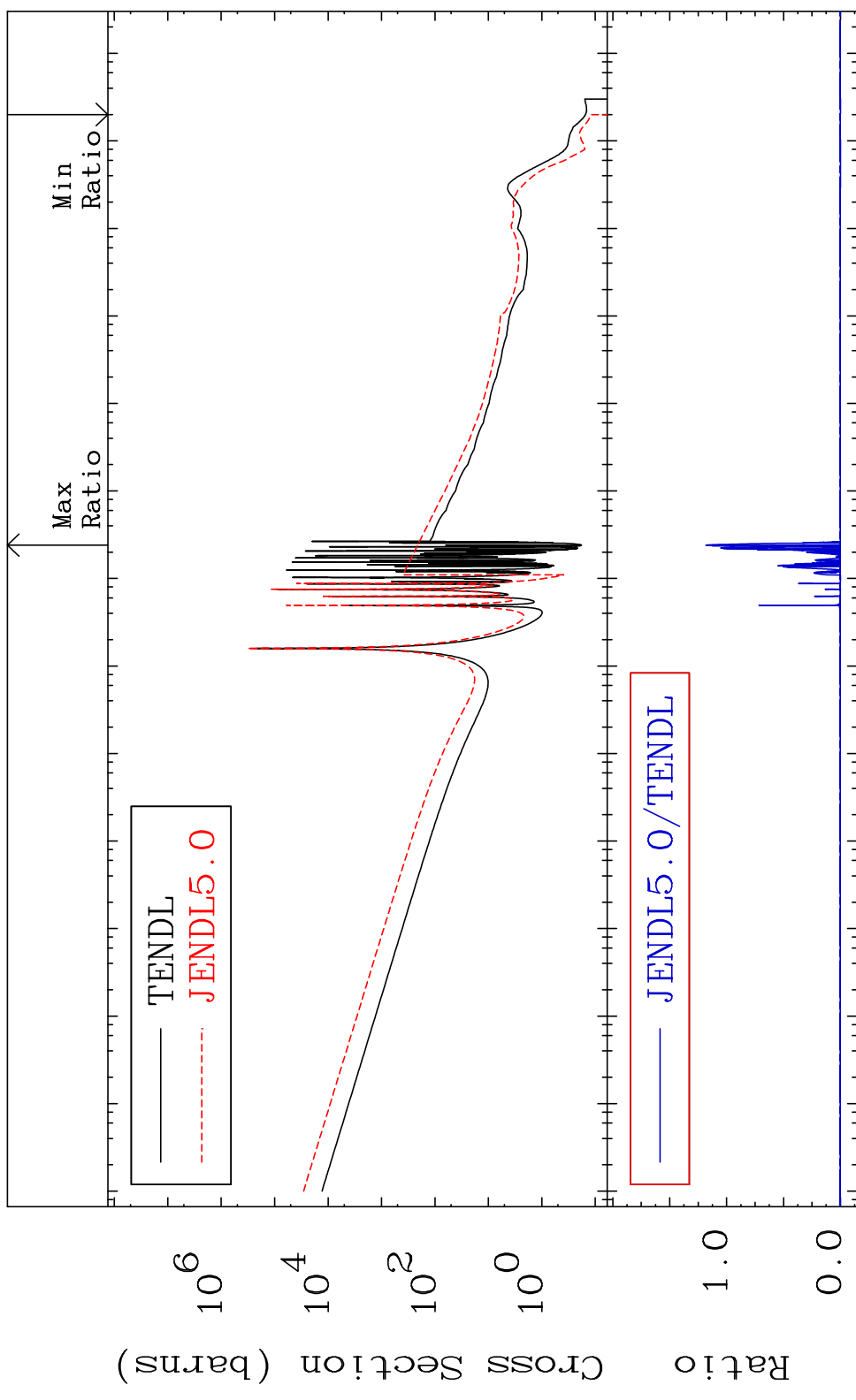


MAT 7425 Kerma fission (mt18 or mt19-20-21-38)74-W -180
 Cross Section -100.0 To 9999. %



MAT 7425

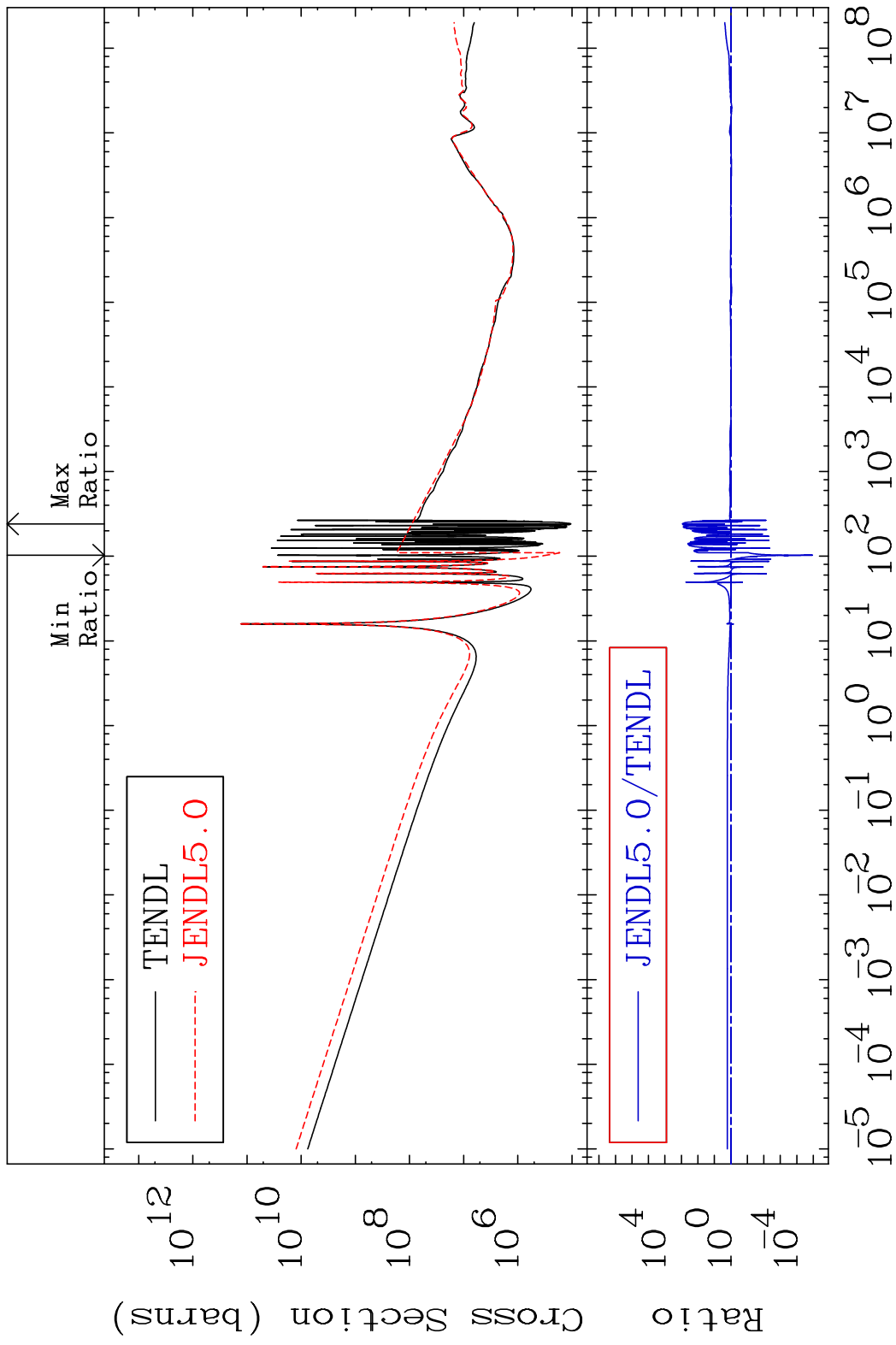
Kerma capture (mt102) 74-W -180
Cross Section -100.0 To 9999. %



56

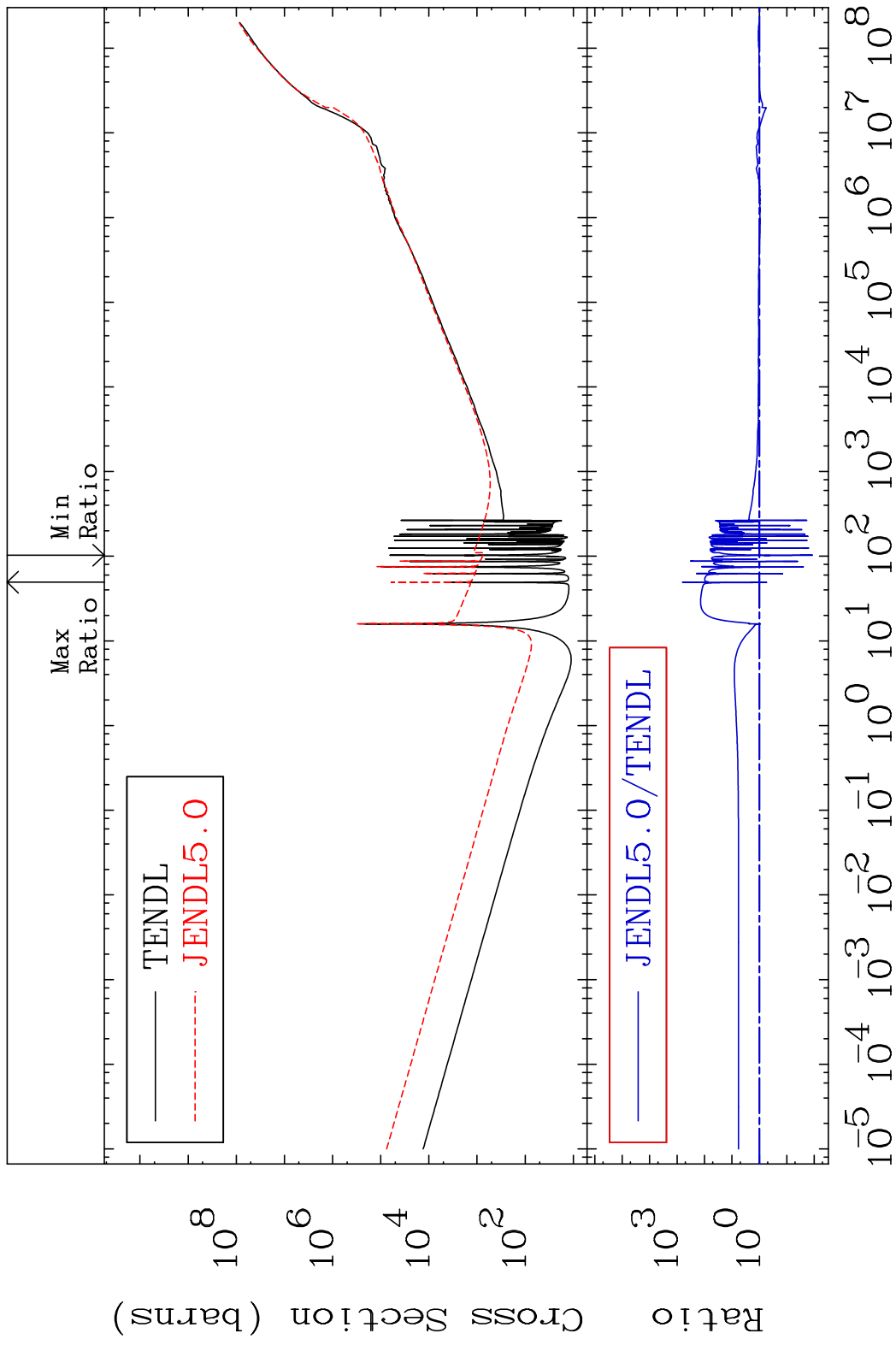
Incident Energy (eV) 74-W -180

MAT 7425 Total photon (eV-barns) 74-W -180
 Cross Section -100.0 To 9999. %

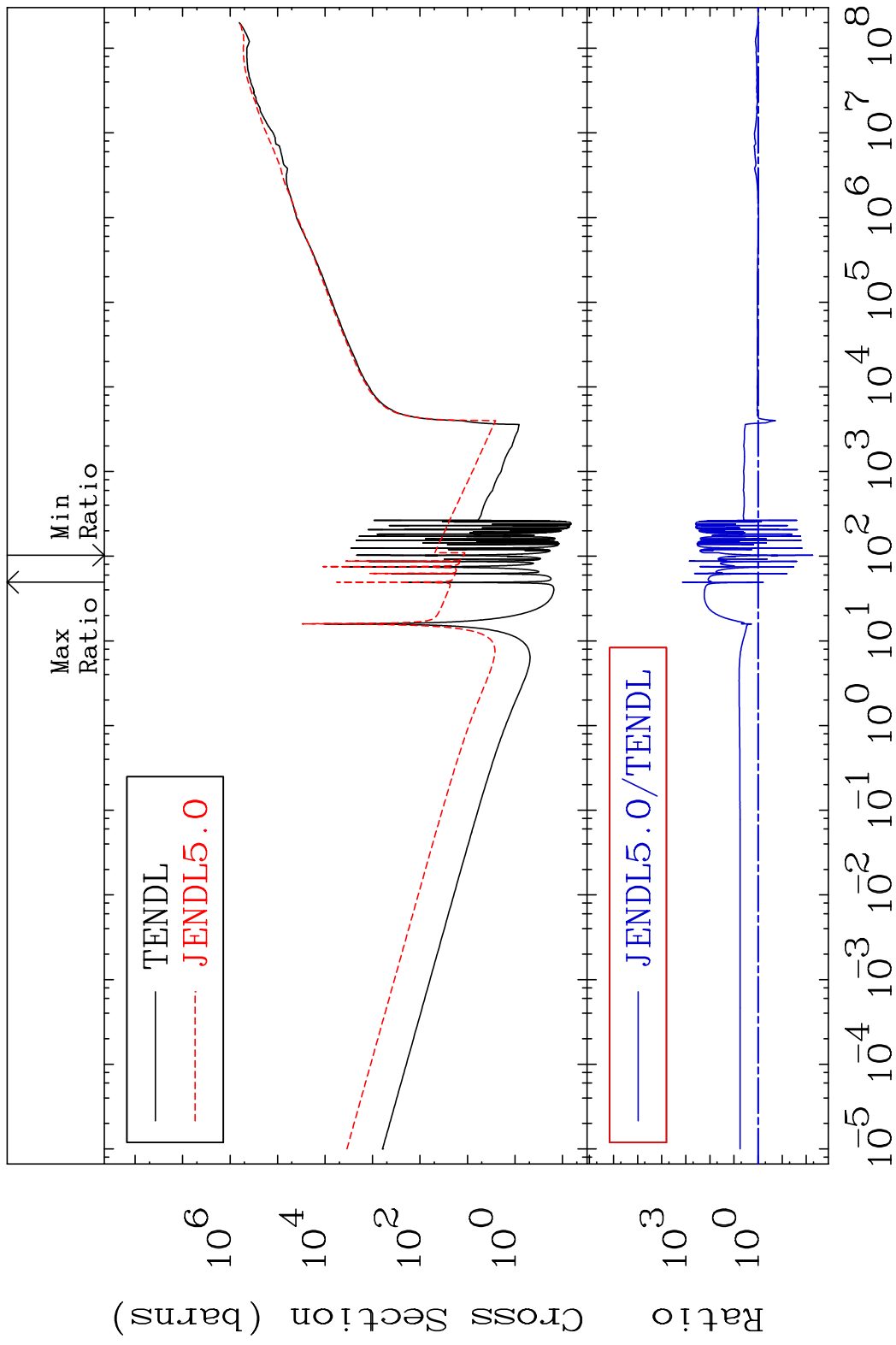


57 Incident Energy (eV) 74-W -180

MAT 7425 Total kinematic kerma (high limit) 74-W -180
 Cross Section -98.85 To 9999. %



MAT 7425 Dpa total (eV-barns) 74-W -180
 Cross Section -99.45 To 9999. %



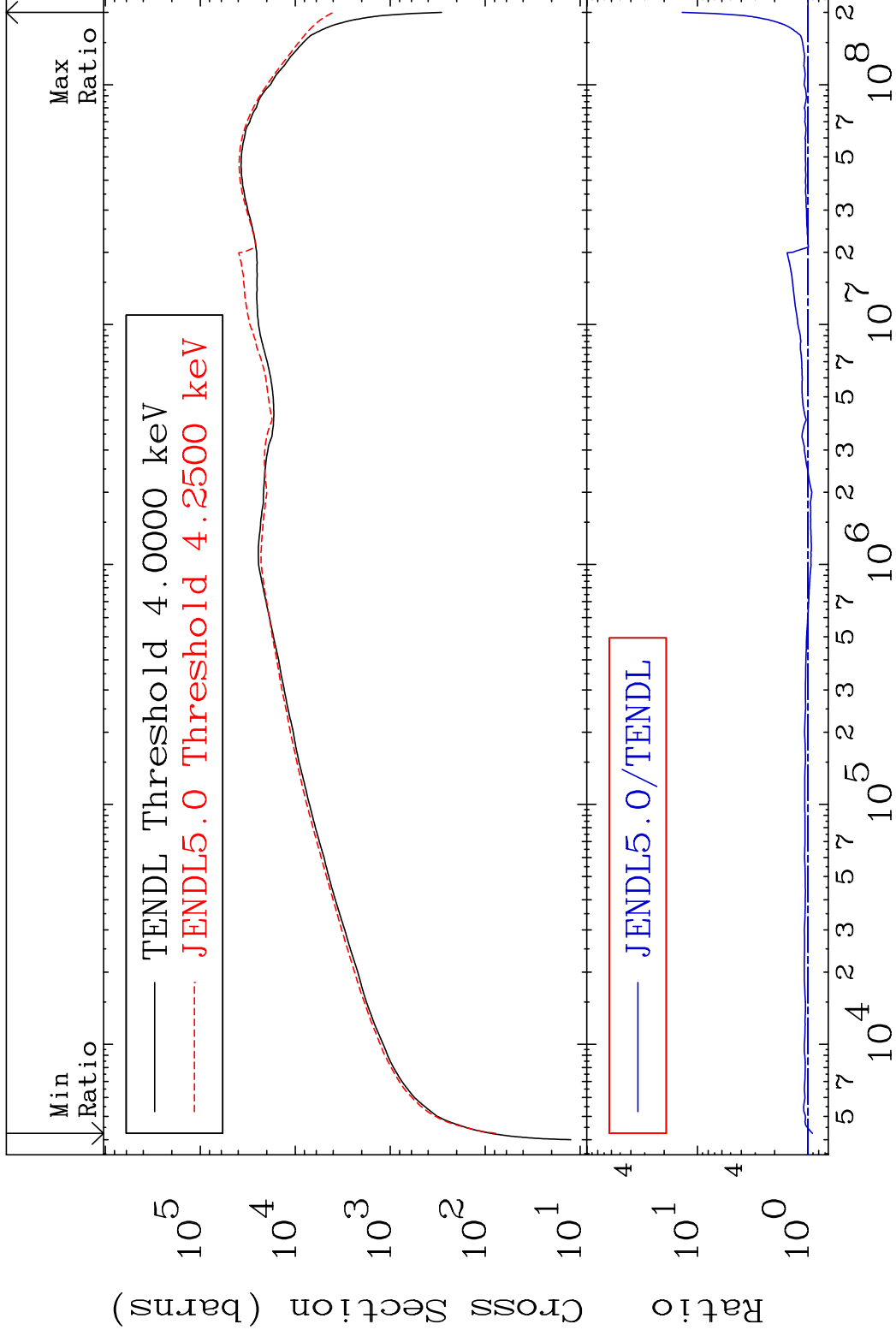
59 Incident Energy (eV) 74-W -180

MAT 7425

Dpa elastic (mt2)

74-W -180

Cross Section -9.119 To 1274. %

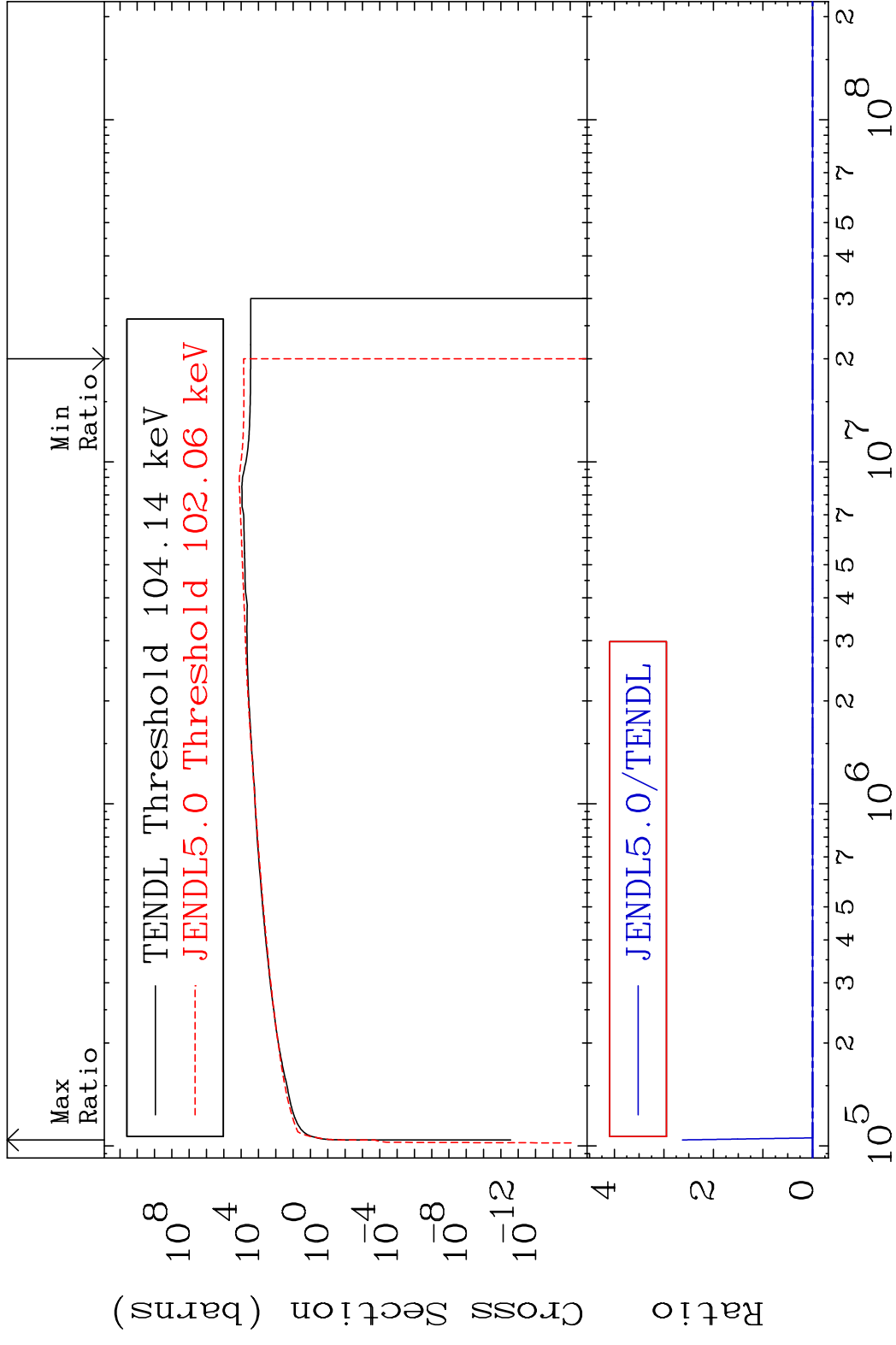


60

Incident Energy (eV)

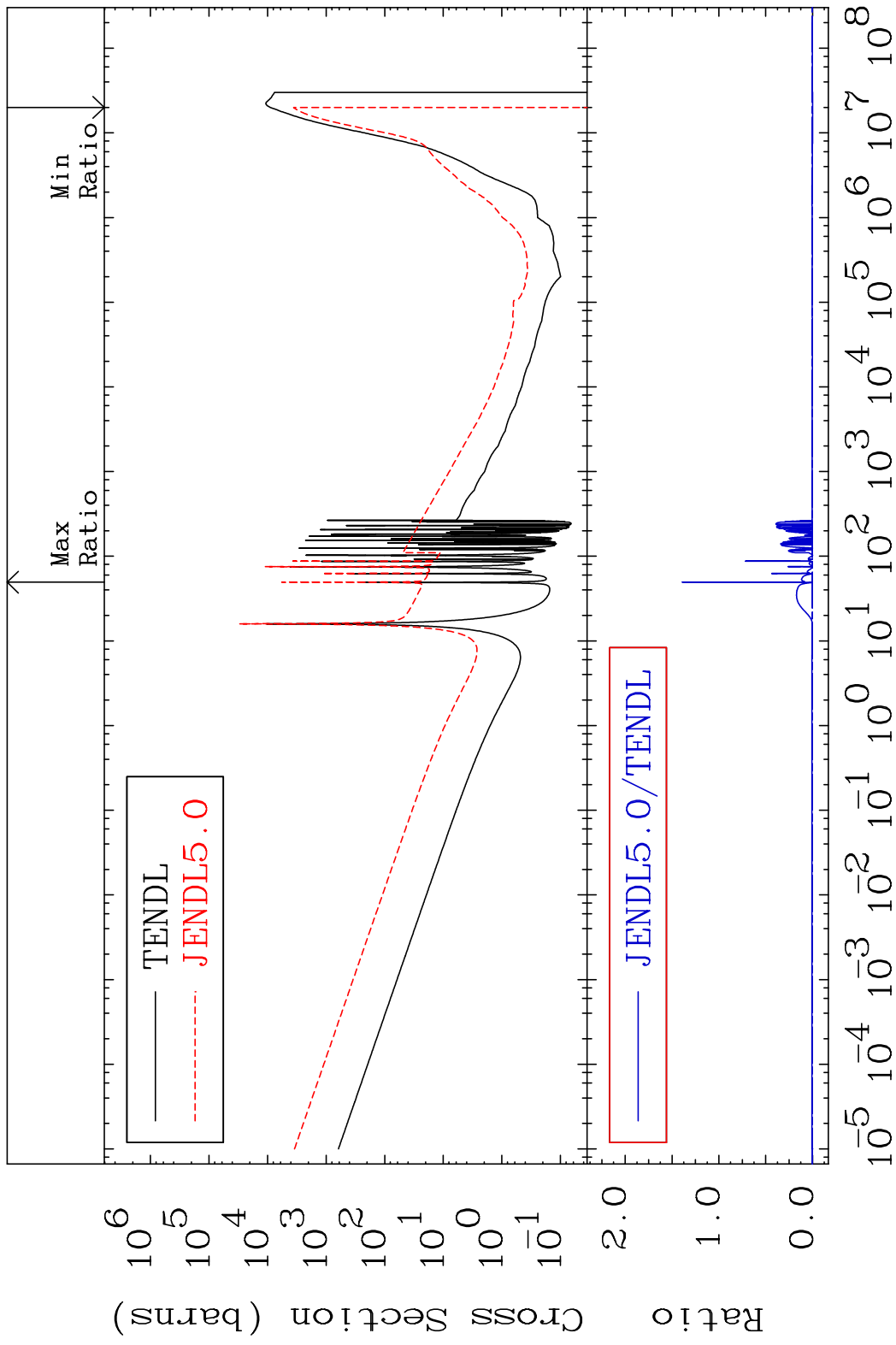
74-W -180

MAT 7425 Dpa inelastic (mt51-91) 74-W -180
 Cross Section -100.0 To 9999. %



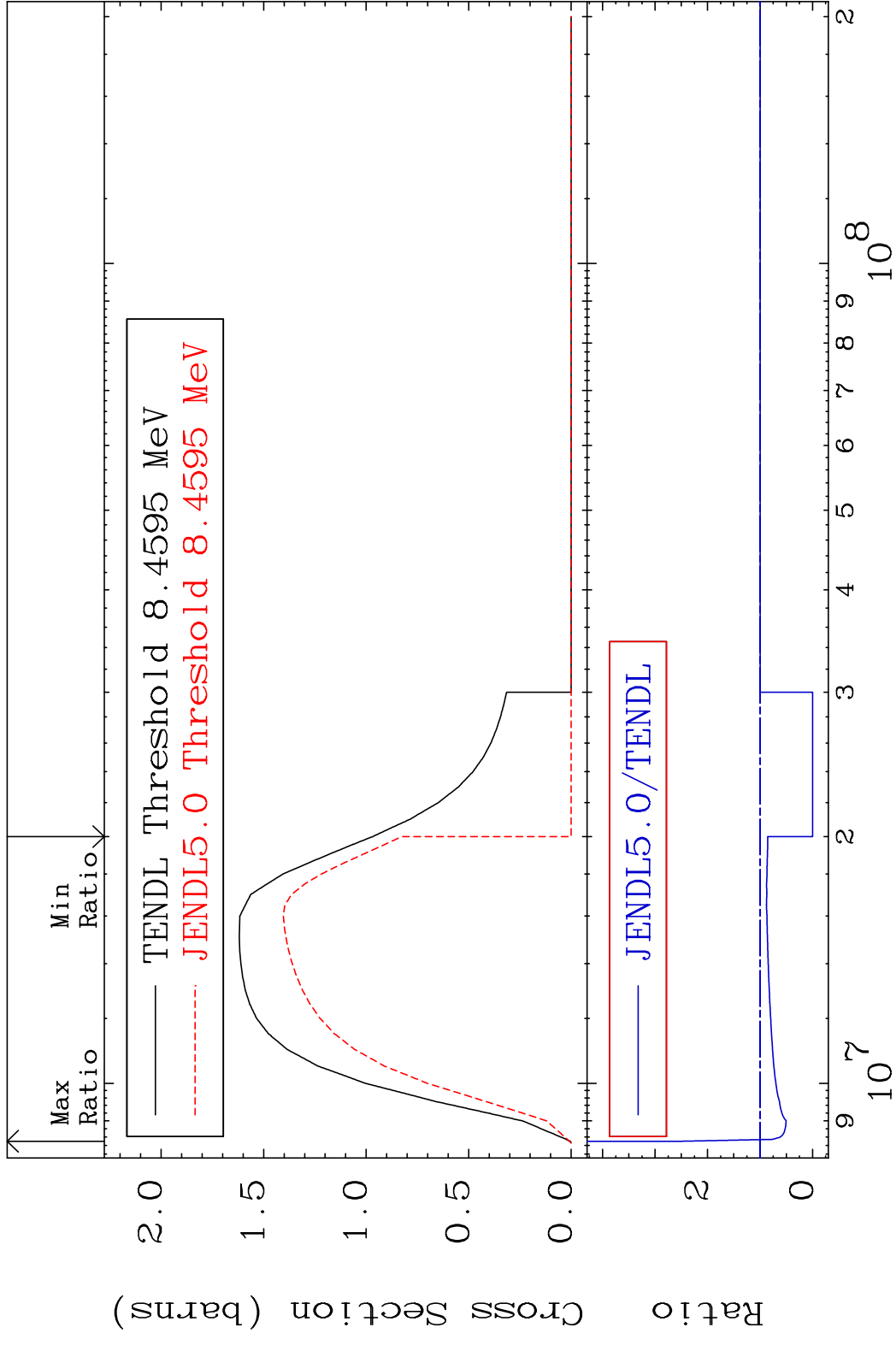
61 Incident Energy (eV) 74-W -180

MAT 7425 Dpa disappearance (mt102 -120) 74-W -180
 Cross Section -100.0 To 9999. %

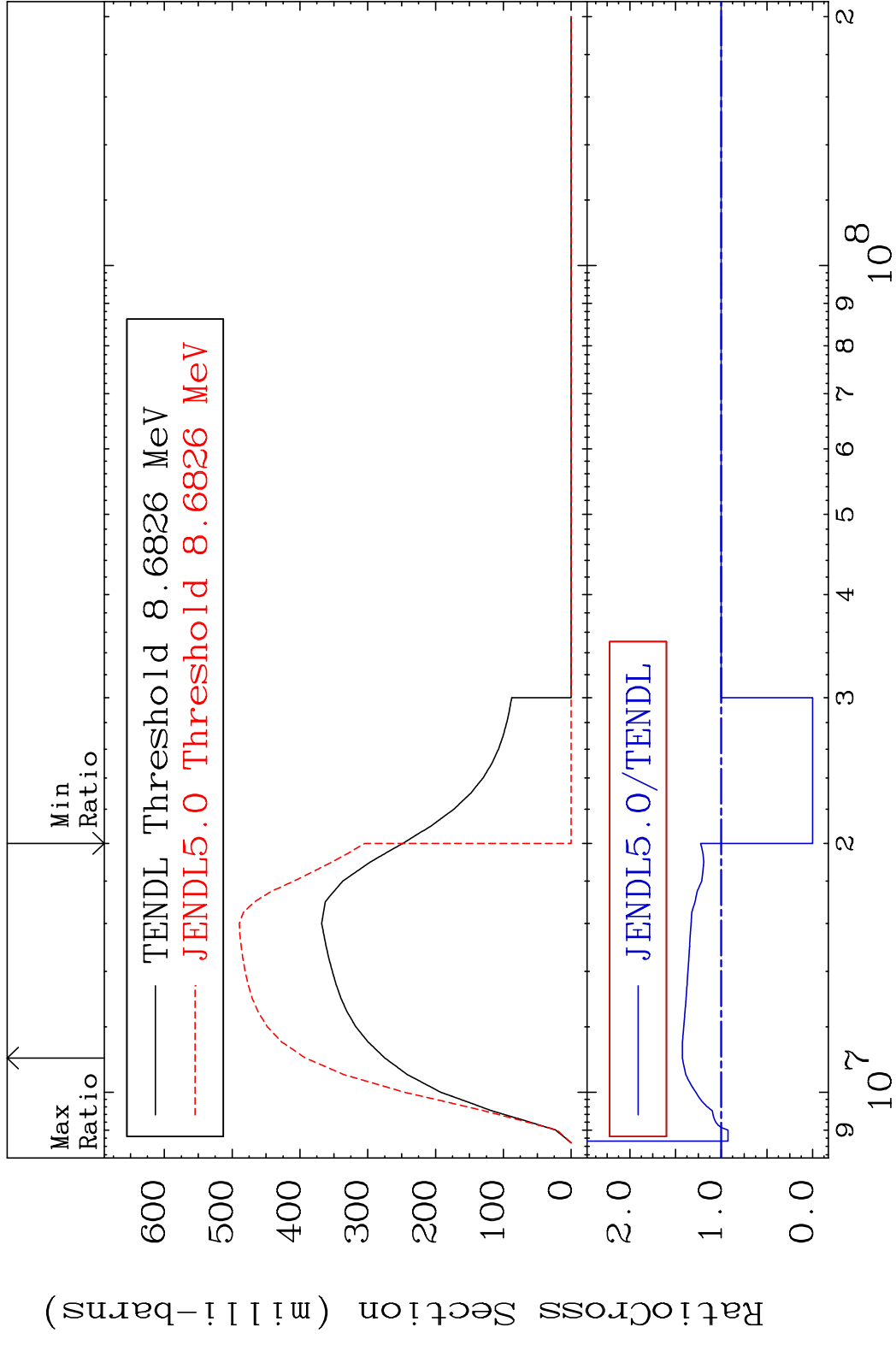


62 Incident Energy (eV) 74-W -180

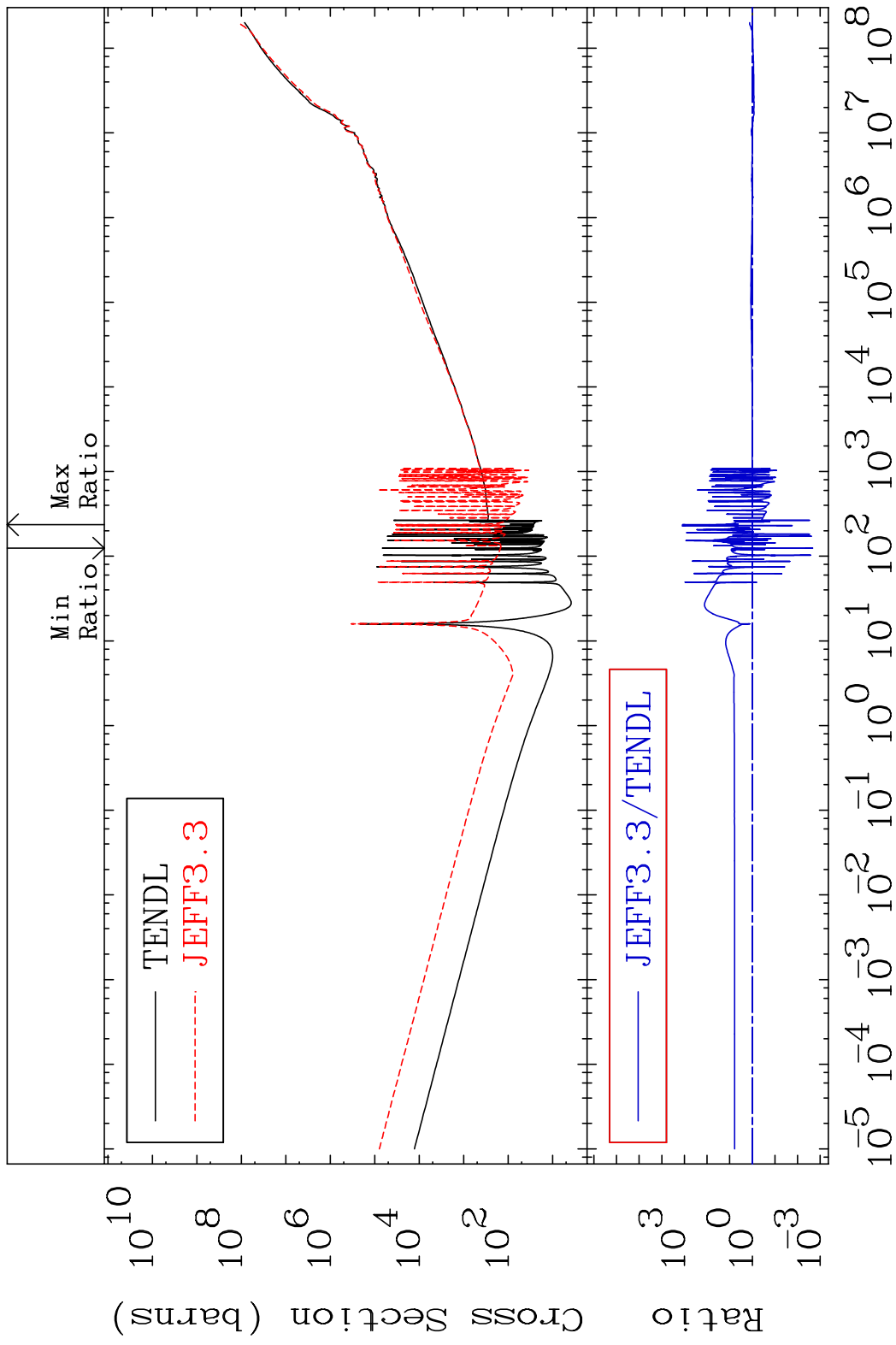
MAT 7425 (n,2n):74-W -179g 74-W -180
 Radionuclide Production Cross Section 180.0 dth 148.0 %



MAT 7425 (n,2n):74-W -179m2 74-W -180
 Radionuclide Production Cross Section 180.01 dth 42.61 %



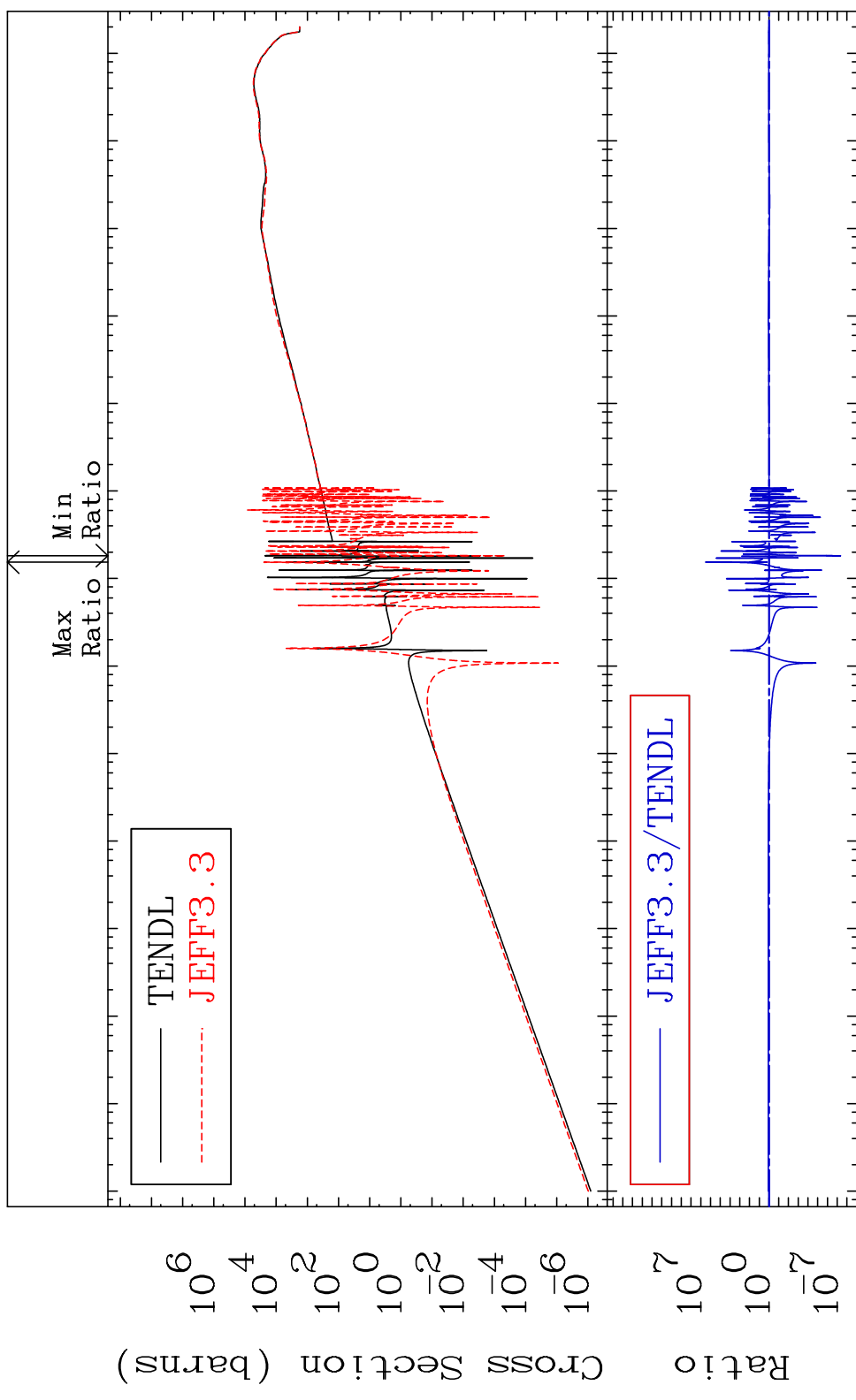
MAT 7425 Kerma total (eV-barns) 74-W -180
 Cross Section -99.78 To 9999. %



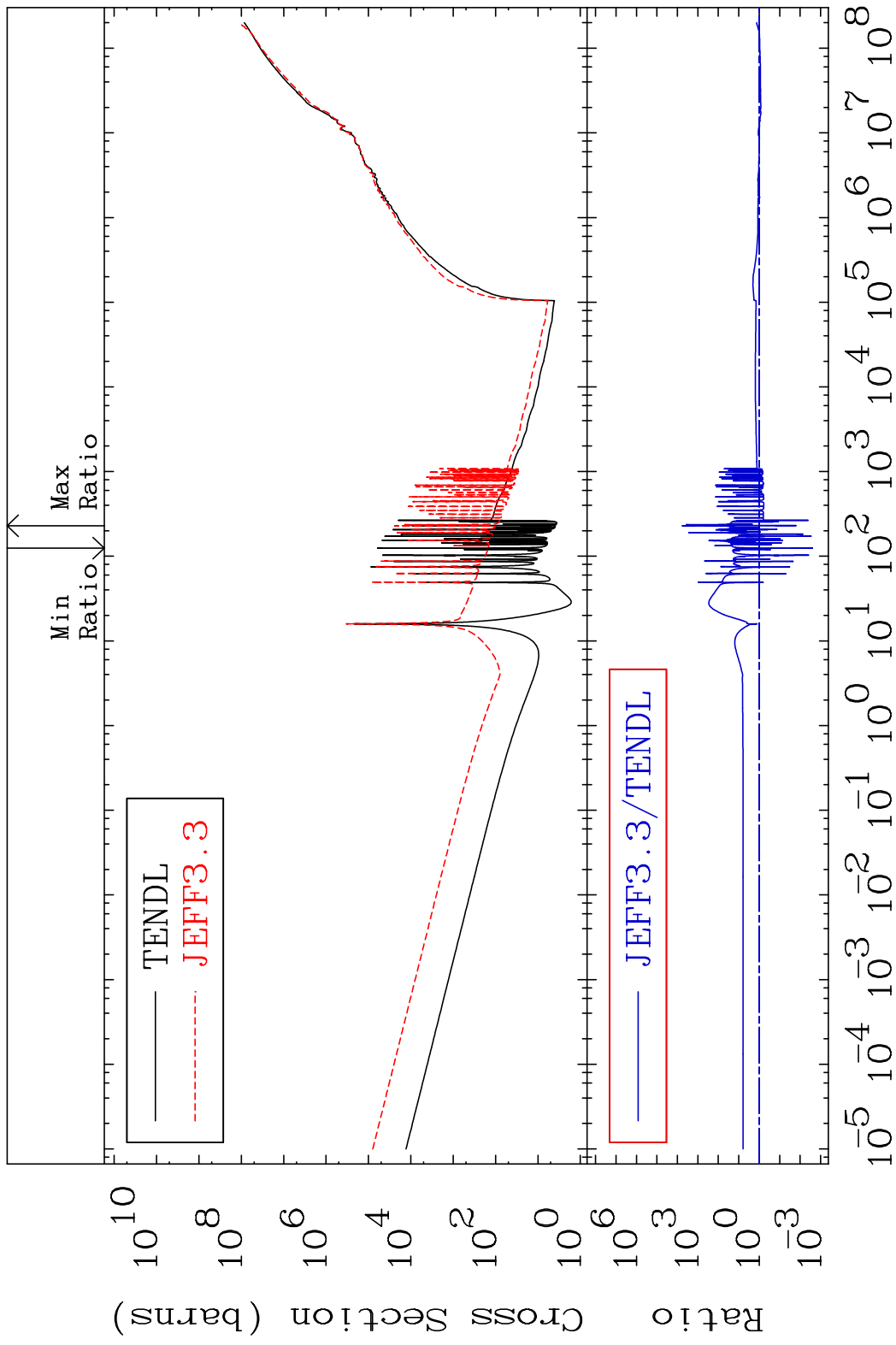
65 Incident Energy (eV) 74-W -180

MAT 7425

Kerma elastic 74-W -180
Cross Section -100.0 To 9999. %

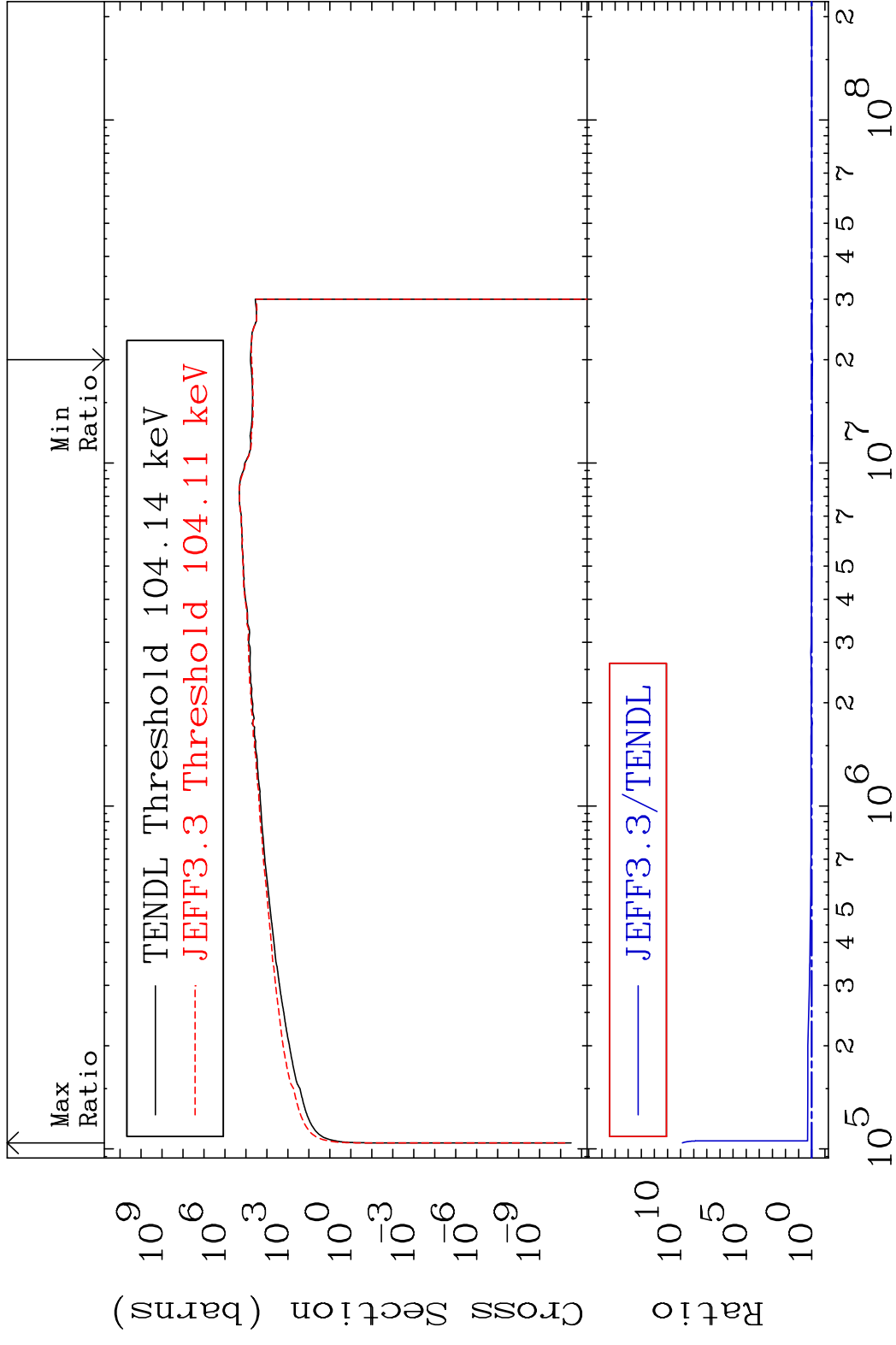


MAT 7425 Kerma non-elastic (all but mt2) 74-W -180
 Cross Section -99.75 To 9999. %



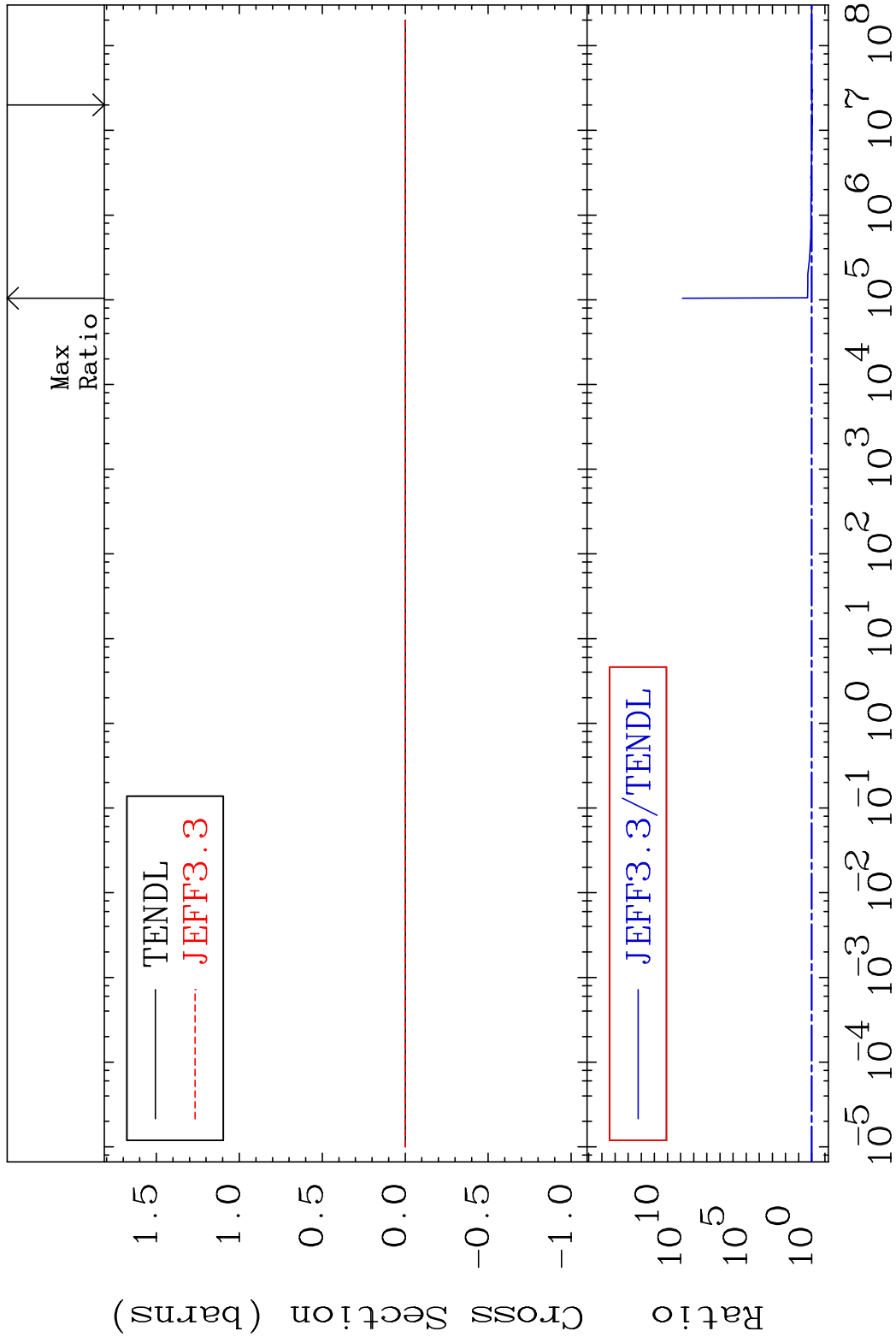
67 Incident Energy (eV) 74-W -180

MAT 7425 Kerma inelastic (mt51-91) 74-W -180
 Cross Section -12.56 To 9999. %



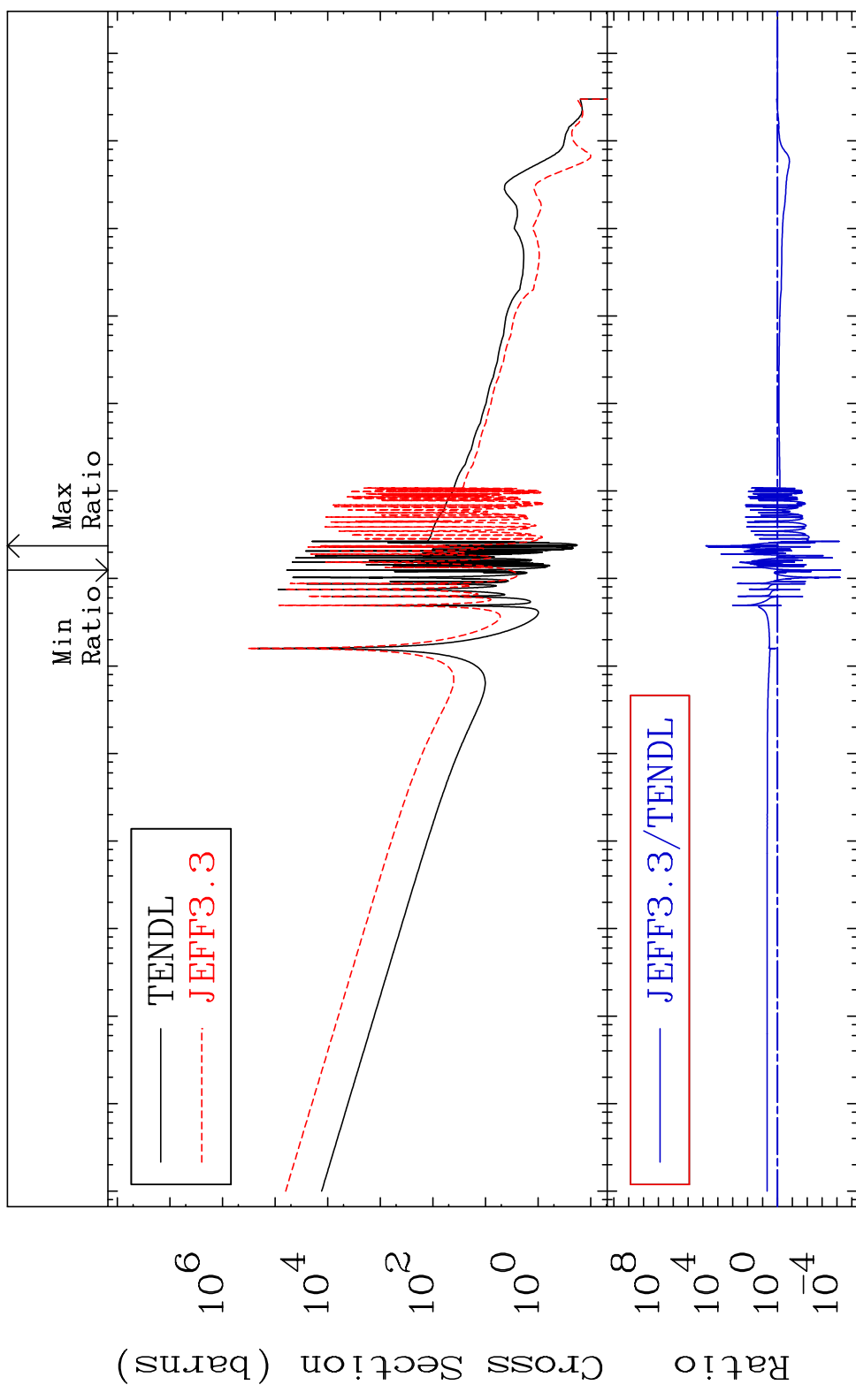
68 Incident Energy (eV) 74-W -180

MAT 7425 Kerma fission (mt18 or mt19-20-21-38)74-W -180
 Cross Section -12.56 To 9999. %



MAT 7425

Kerma capture (mt102) 74-W -180
Cross Section -99.99 To 9999. %

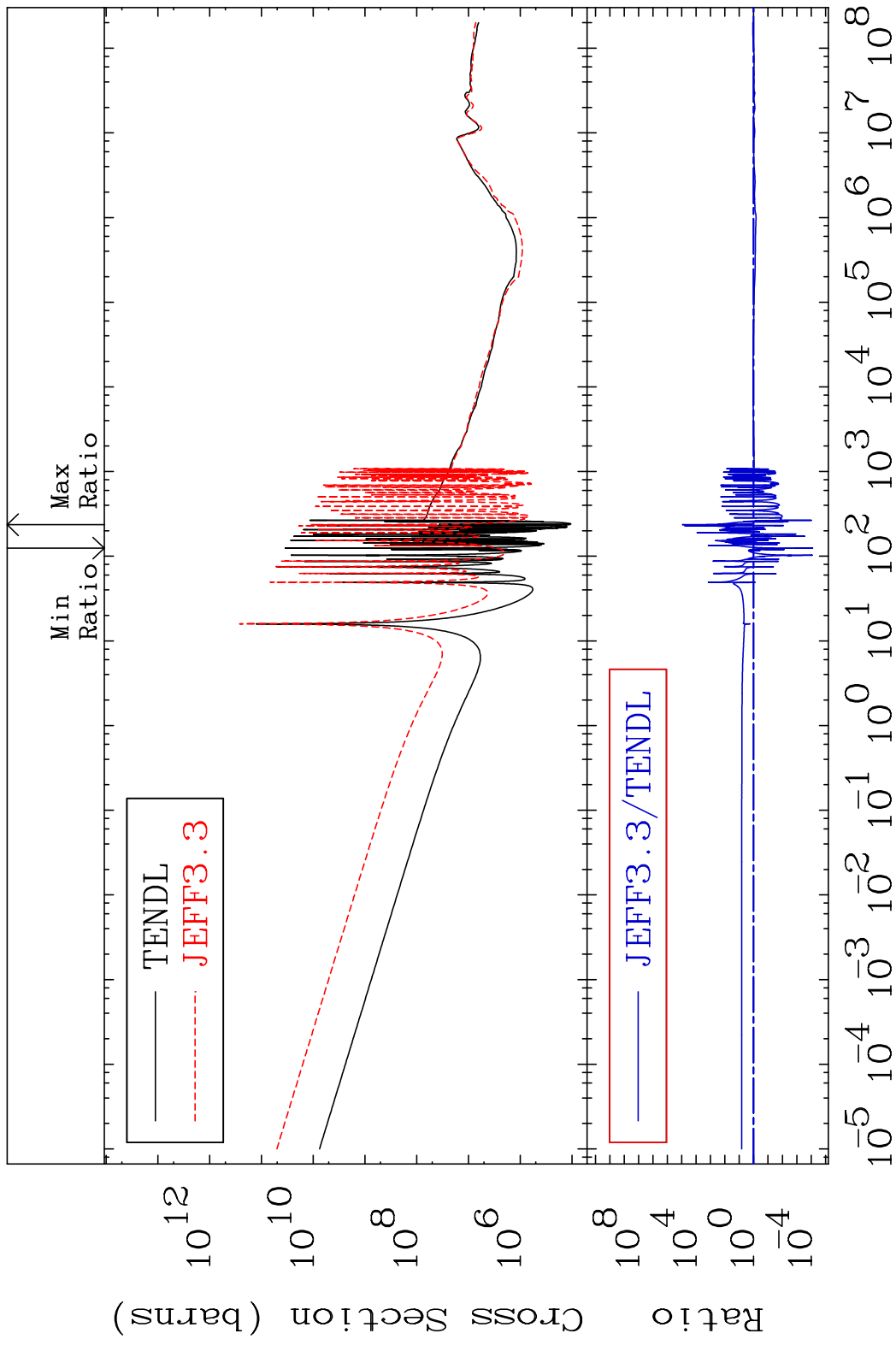


70

Incident Energy (eV)

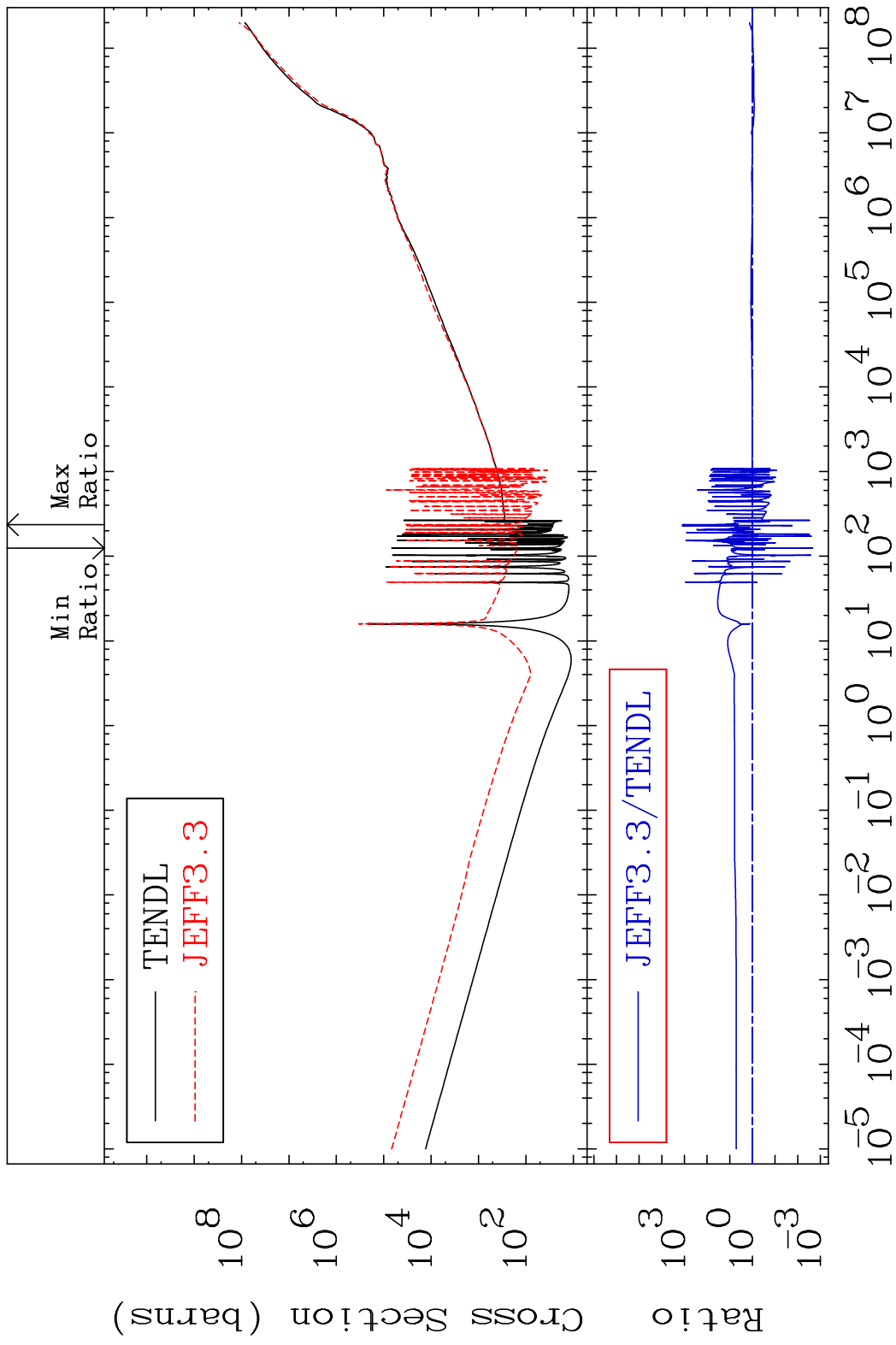
74-W -180

MAT 7425 Total photon (eV-barns) 74-W -180
 Cross Section -99.99 To 9999. %

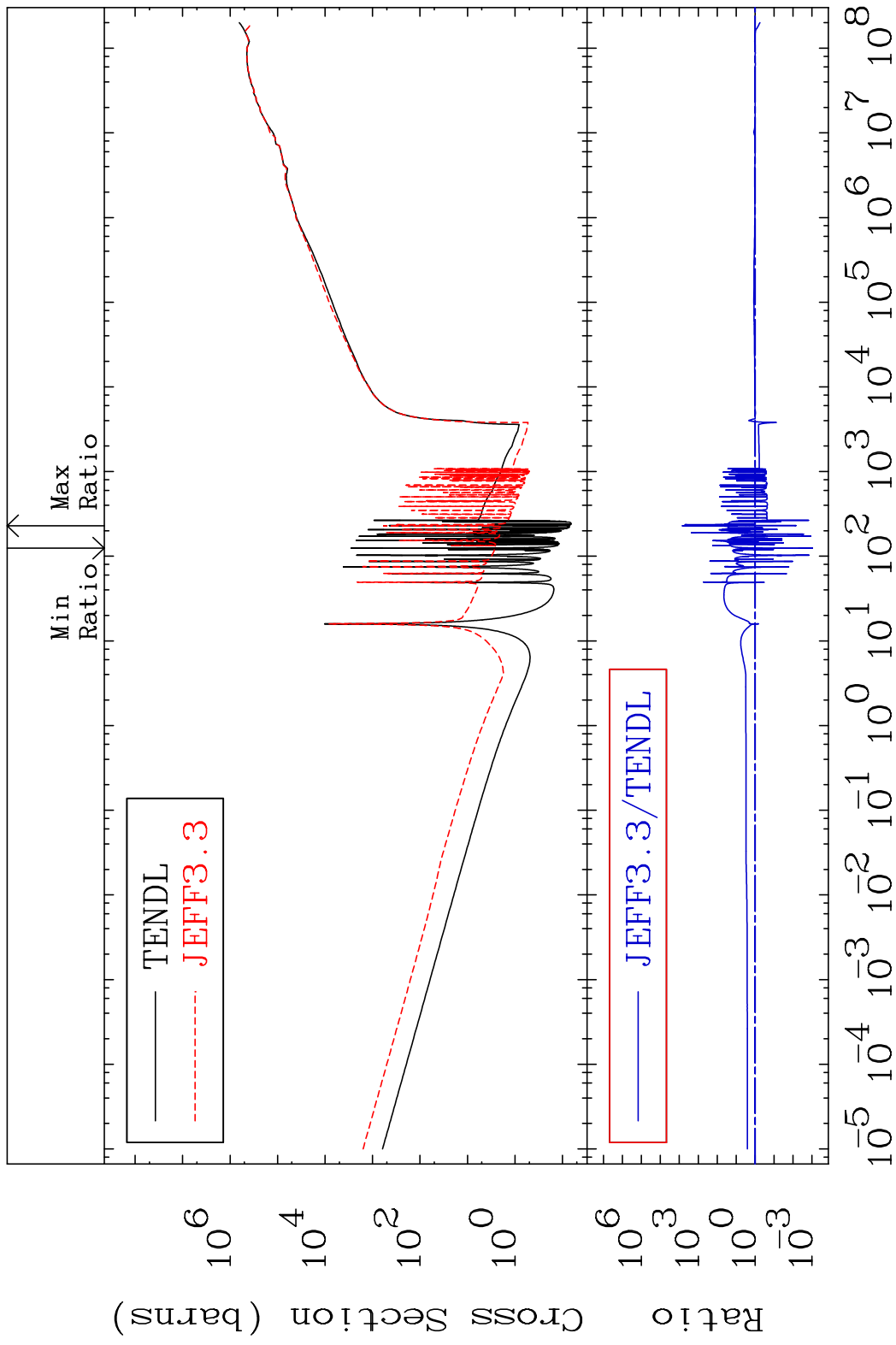


71 Incident Energy (eV) 74-W -180

MAT 7425 Total kinematic kerma (high limit) 74-W -180
 Cross Section -99.78 To 9999. %



MAT 7425 Dpa total (eV-barns) 74-W -180
 Cross Section -99.91 To 9999. %



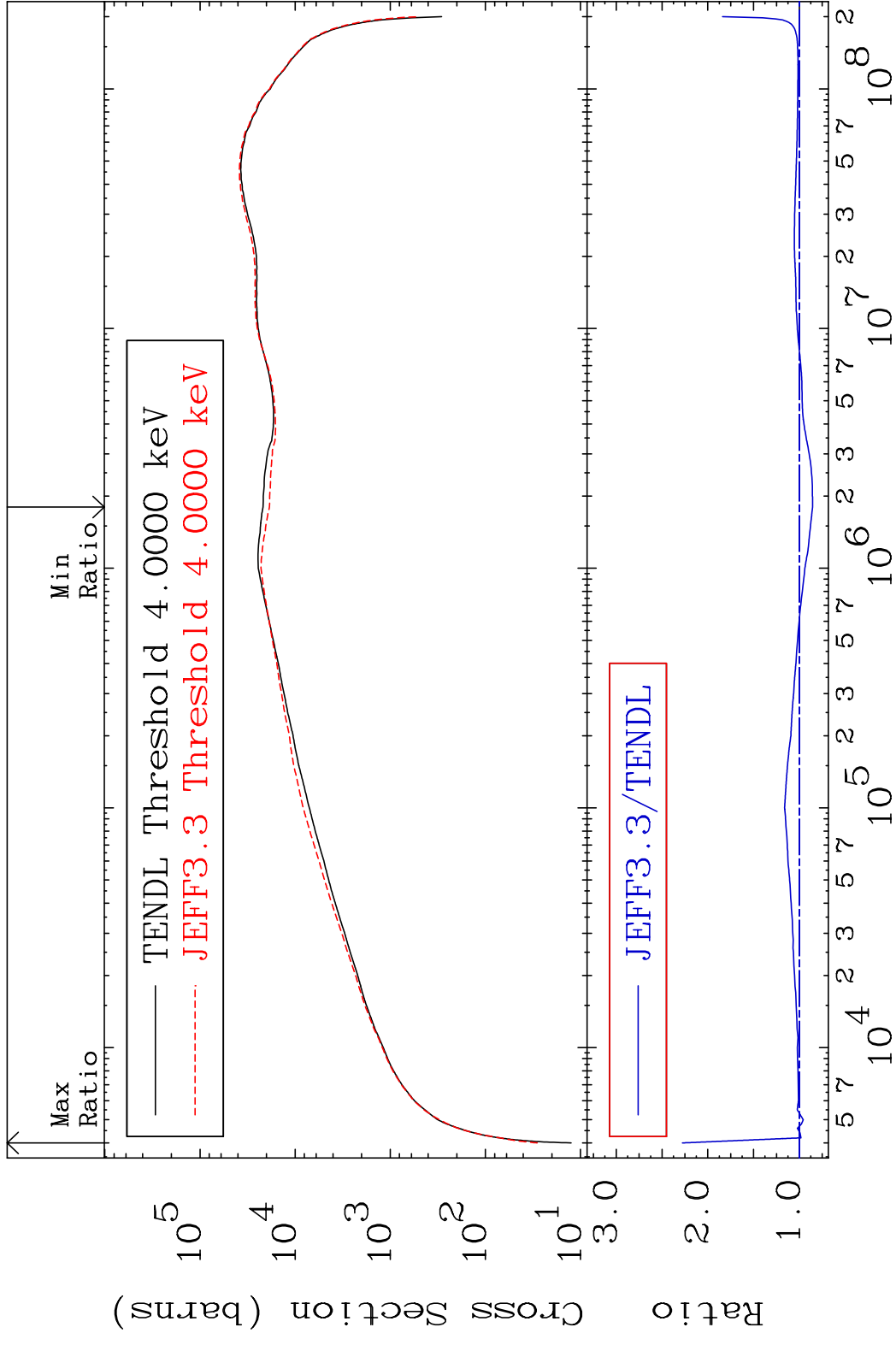
73 Incident Energy (eV) 74-W -180

MAT 7425

Dpa elastic (mt2)

74-W -180

Cross Section -14.41 To 127.8 %



74

Incident Energy (eV)

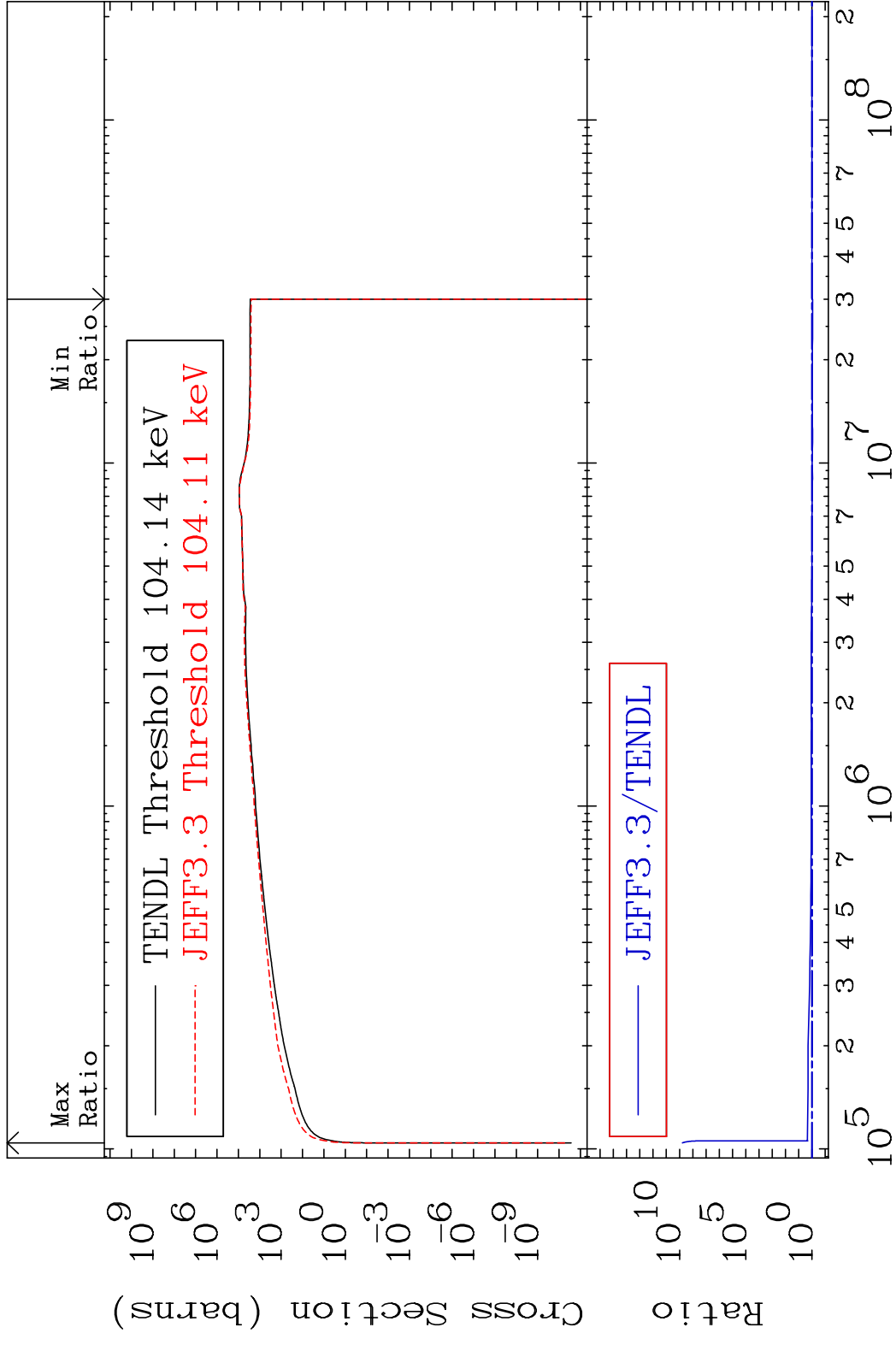
74-W -180

MAT 7425

Dpa inelastic (mt51-91)

74-W -180

Cross Section -9.237 To 9999. %

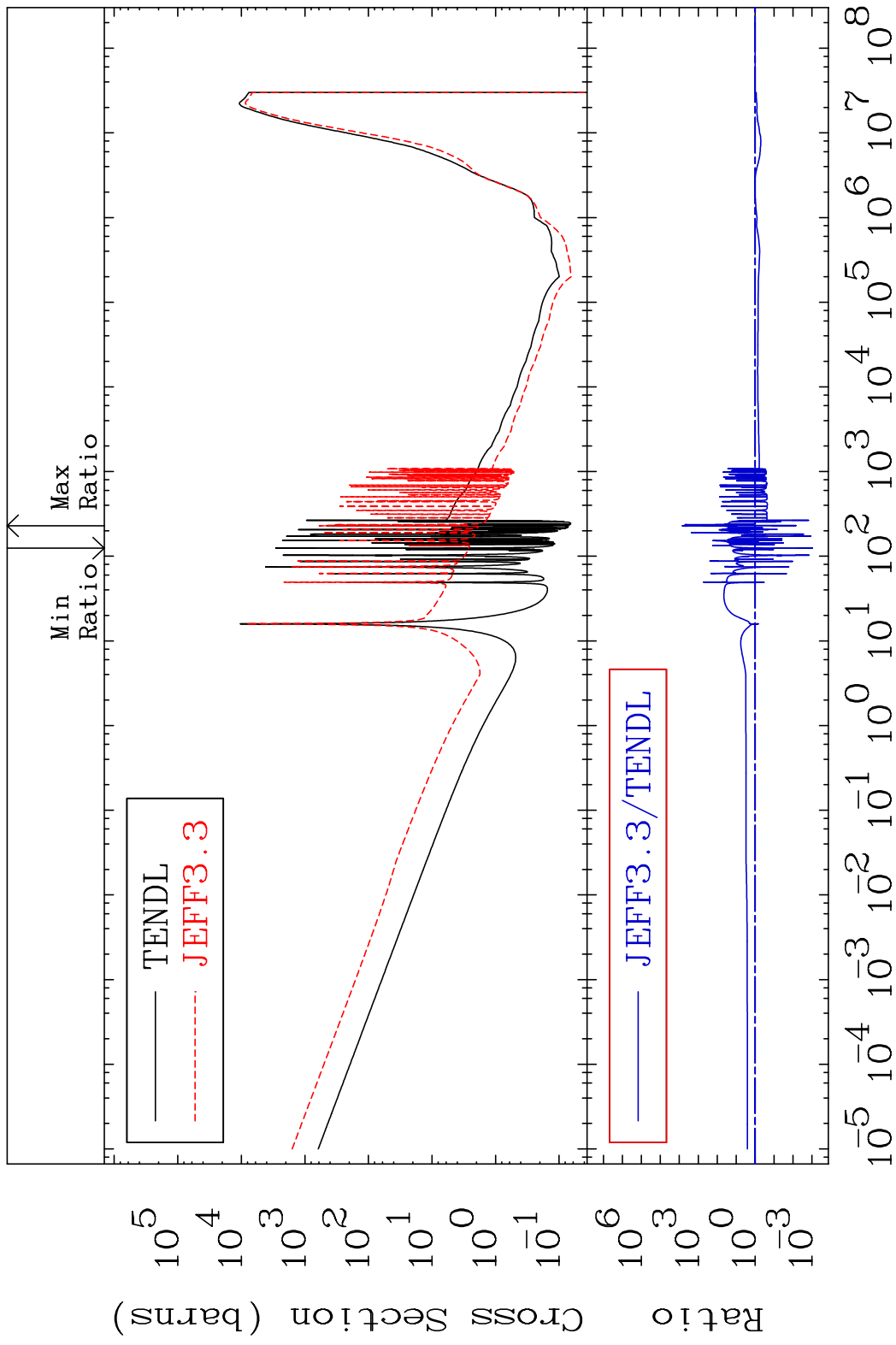


75

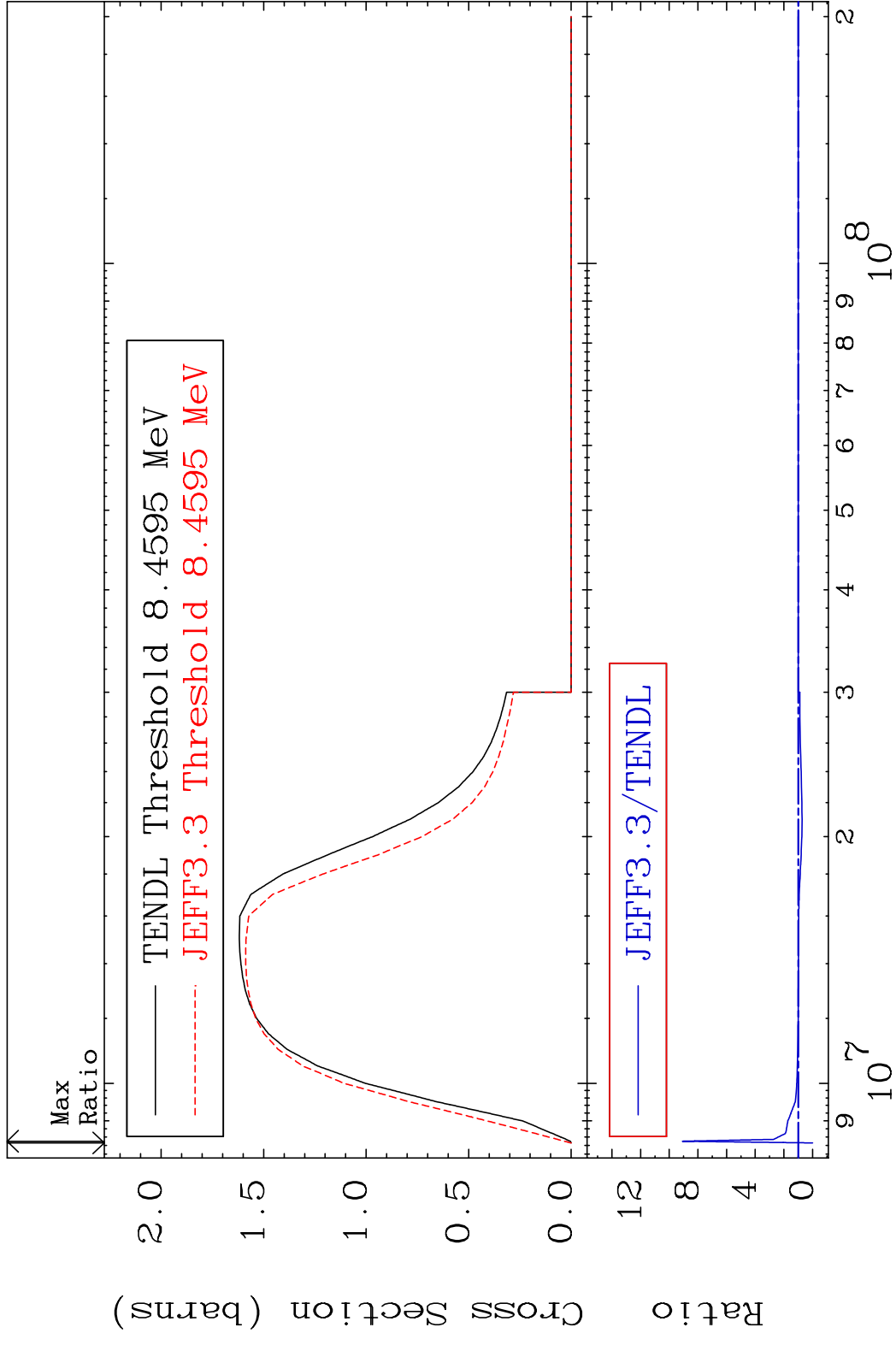
Incident Energy (eV)

74-W -180

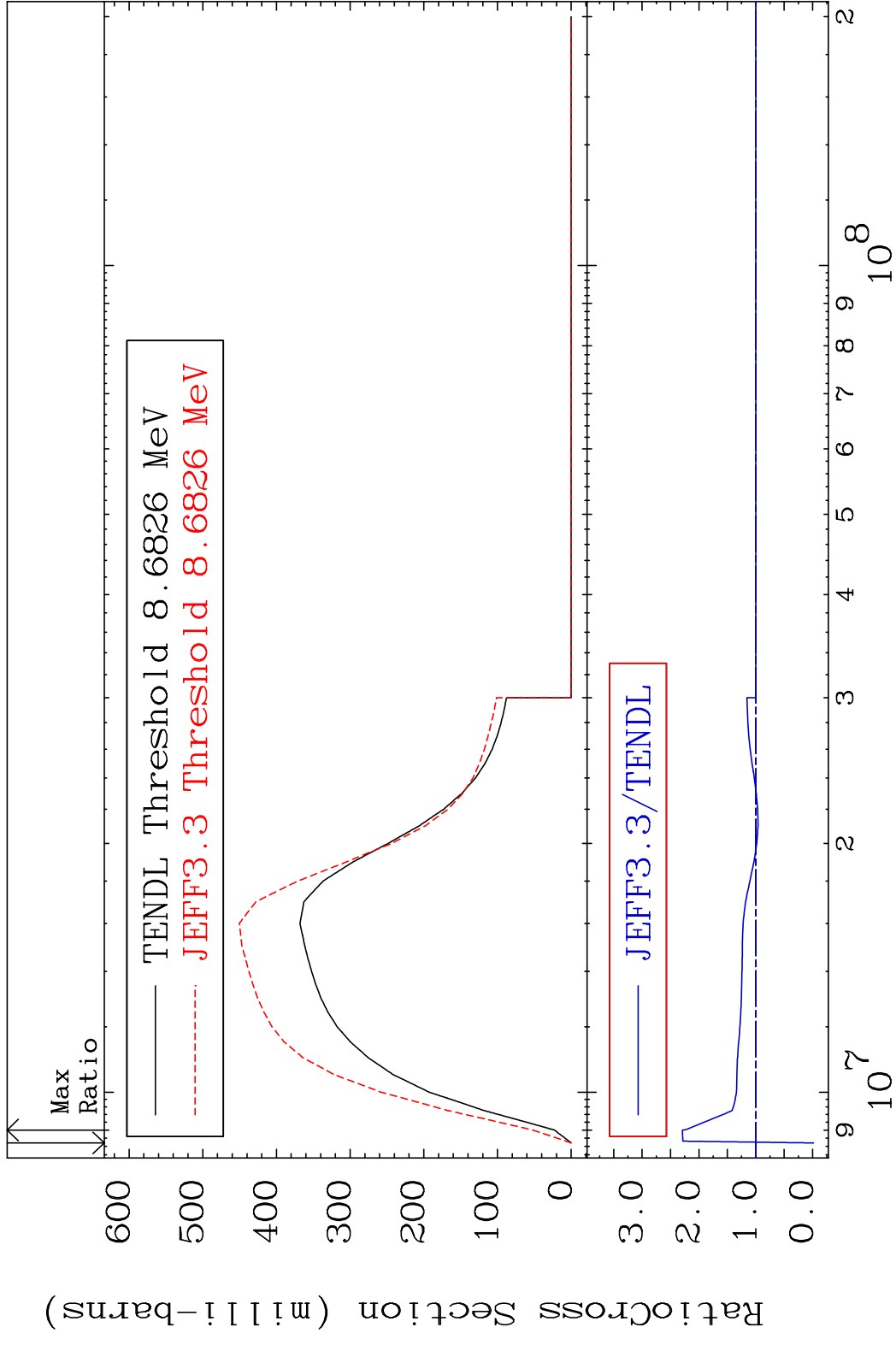
MAT 7425 Dpa disappearance (mt102 -120) 74-W -180
 Cross Section -99.91 To 9999. %



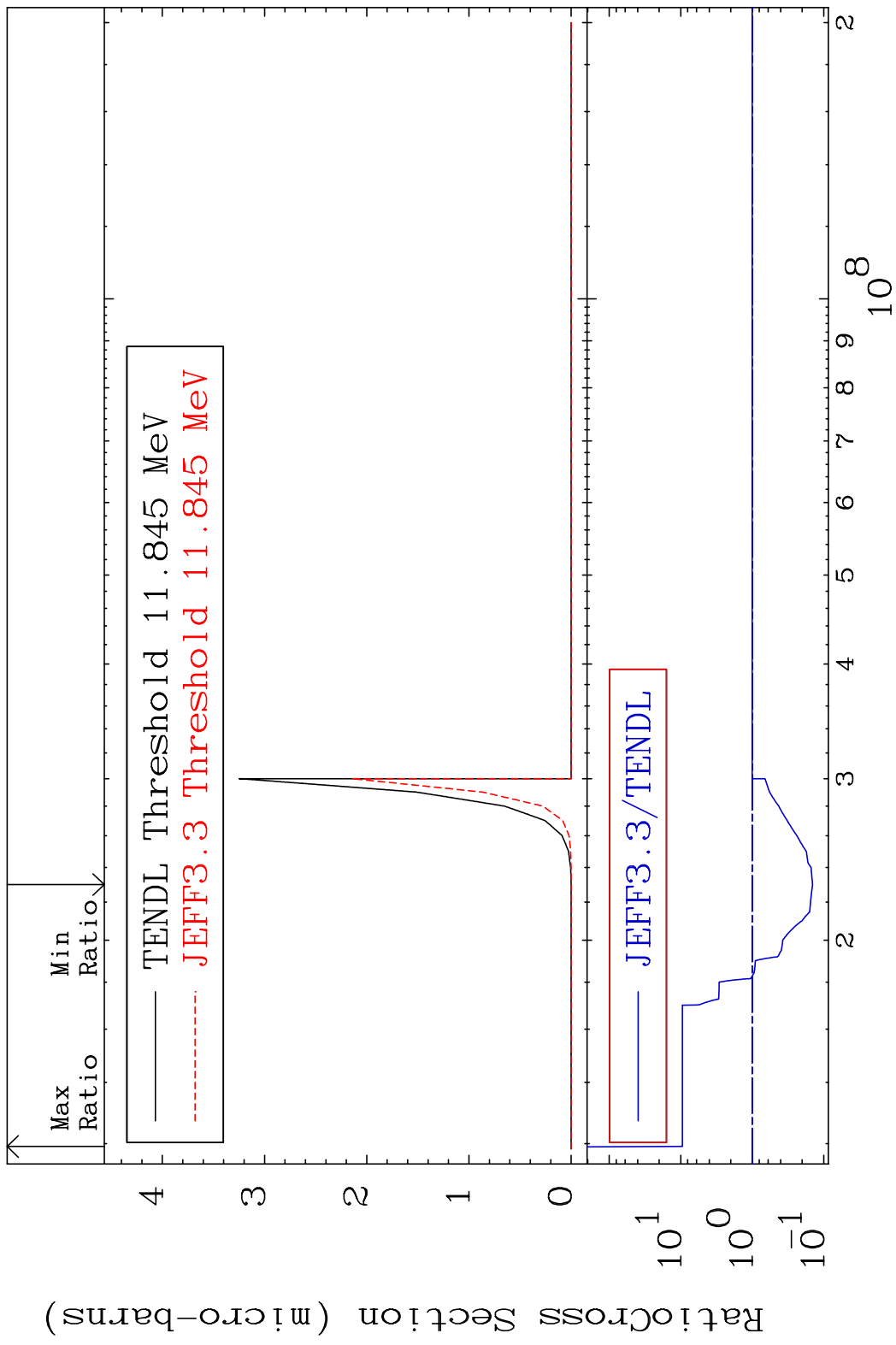
MAT 7425 (n,2n):74-W -179g 74-W -180
 Radionuclide Production Cross Section 180.0 dth 808.6 %

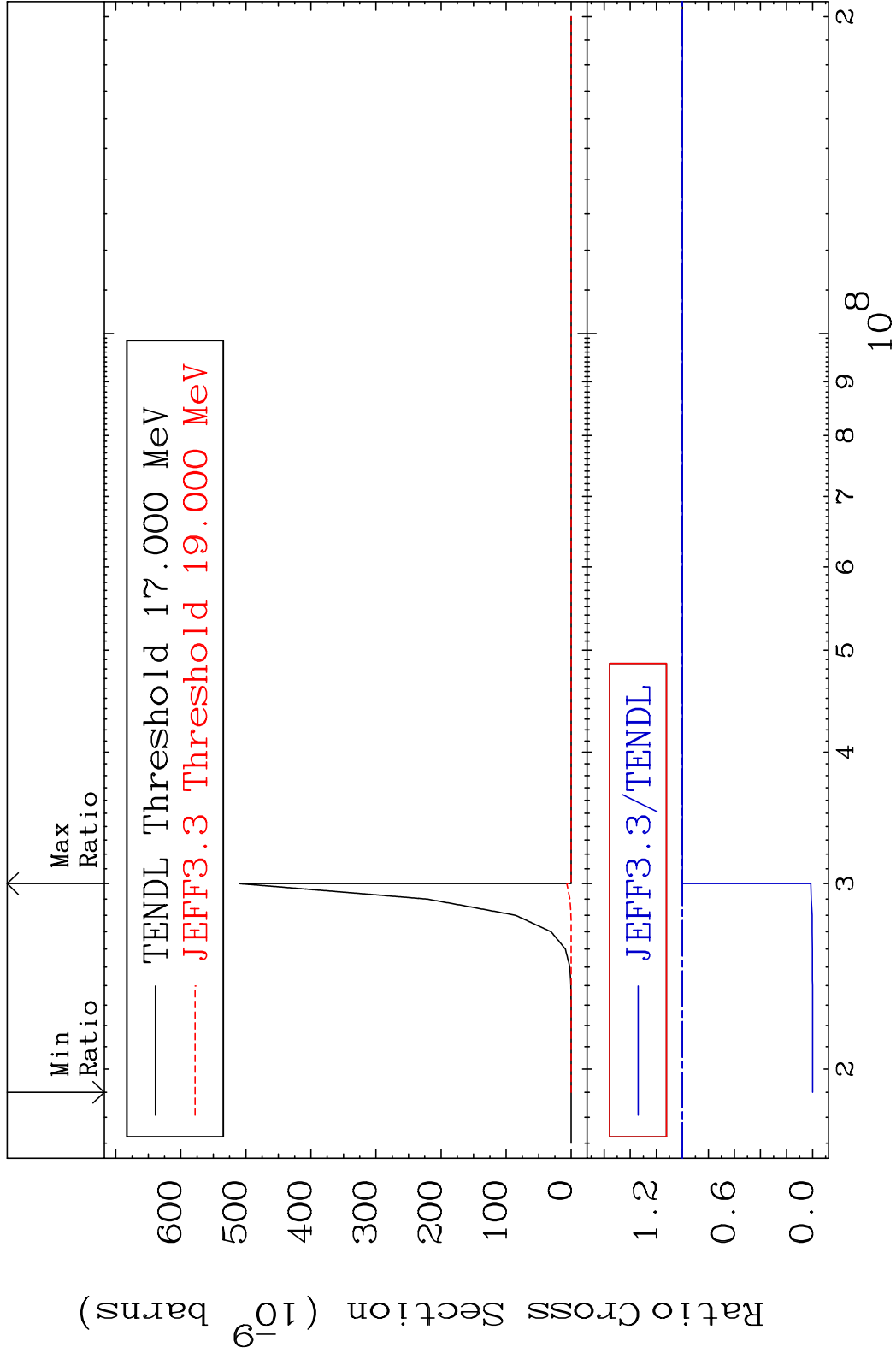


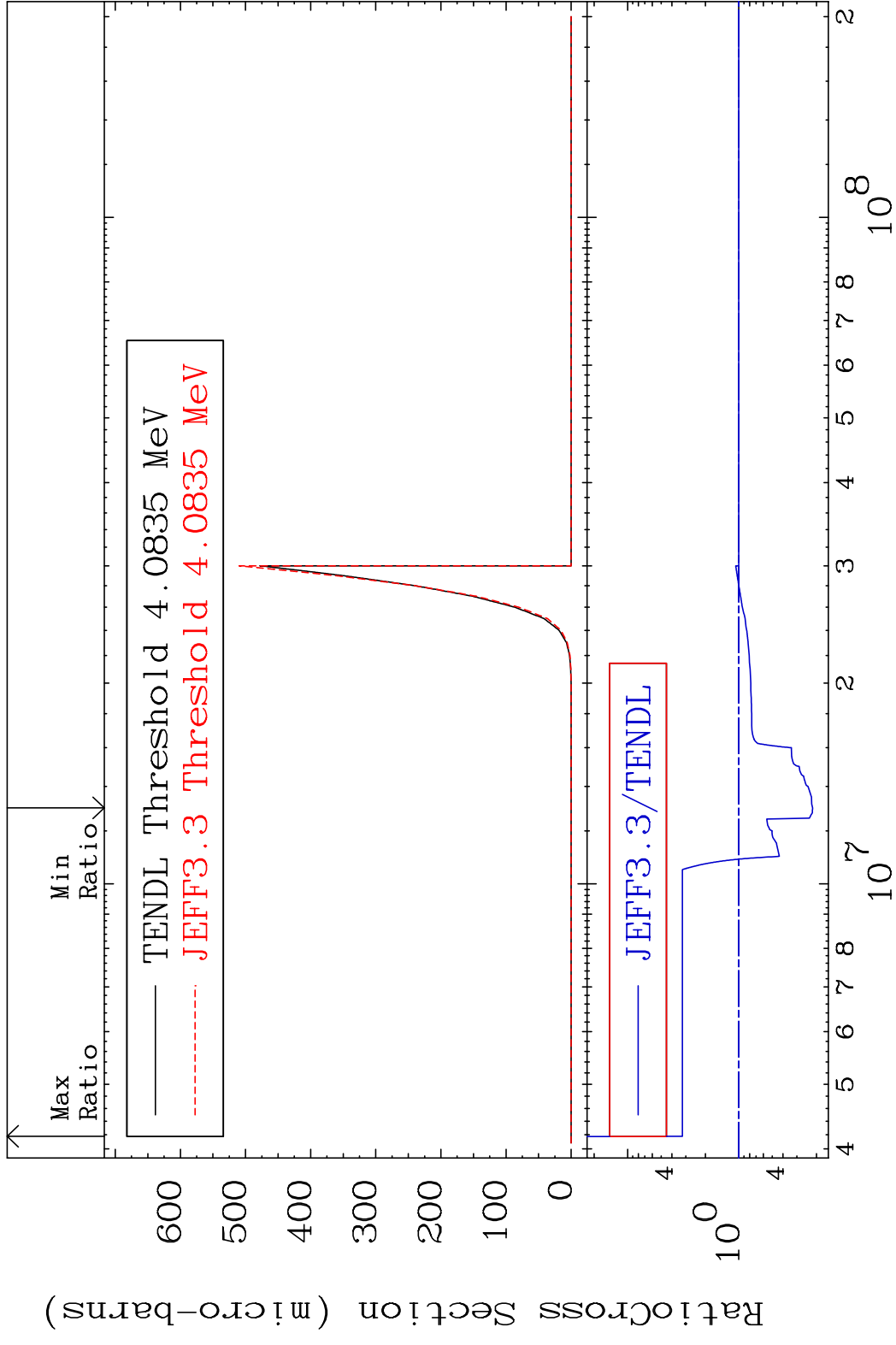
MAT 7425 (n,2n):74-W -179m2 74-W -180
 Radionuclide Production Cross Section 180.01 dth 129.2 %

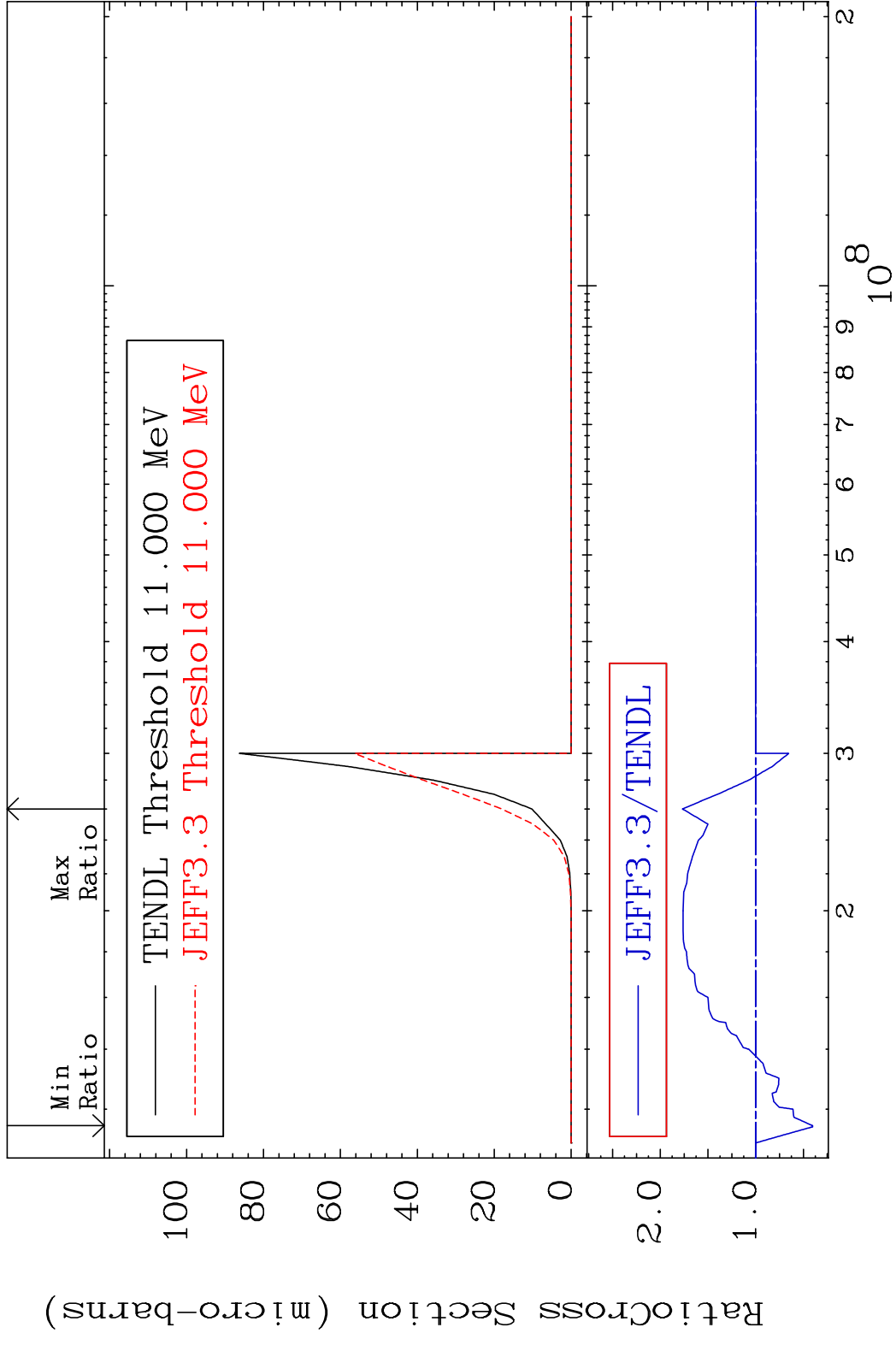


78 Incident Energy (eV) 74-W -180

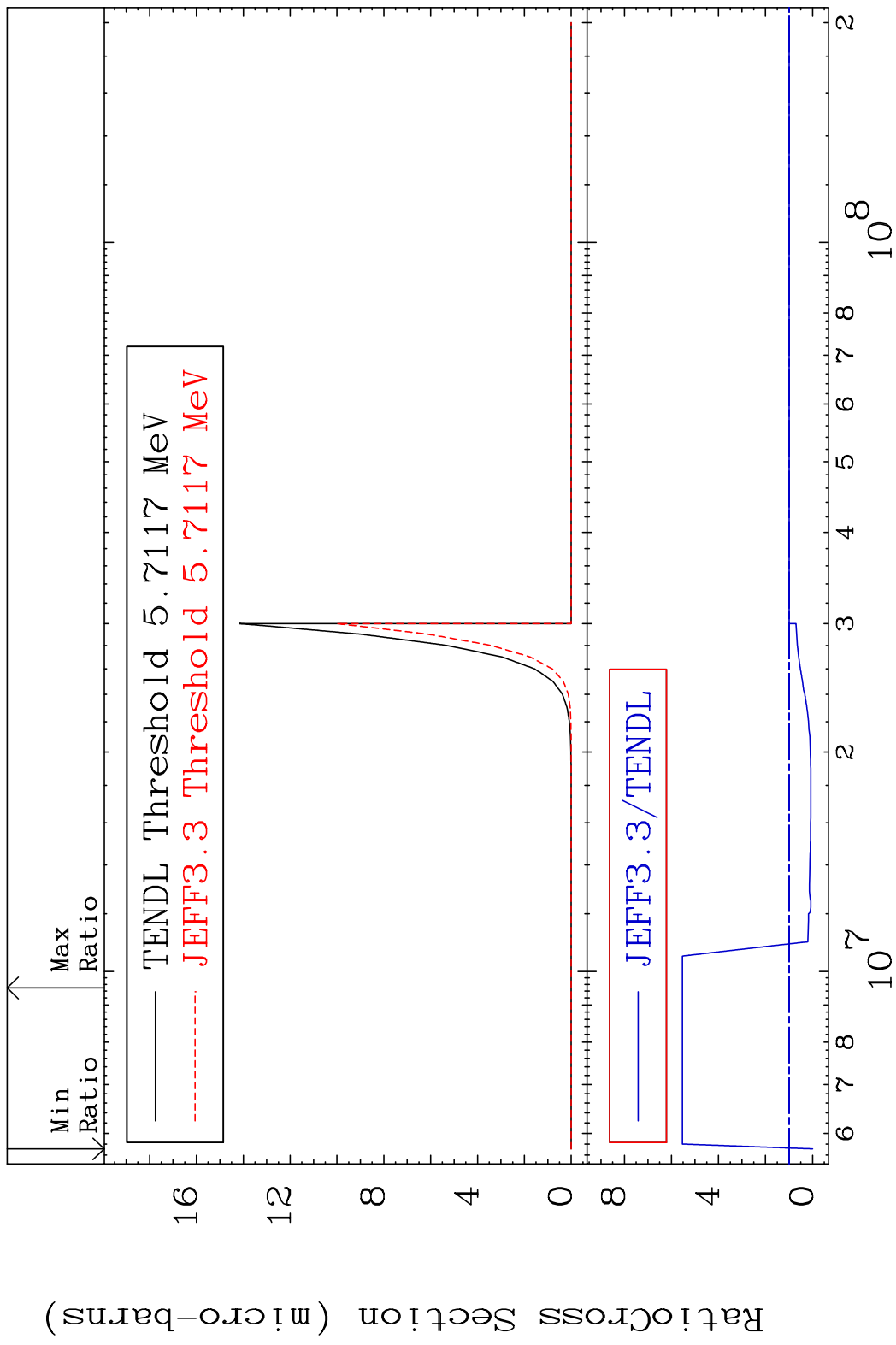


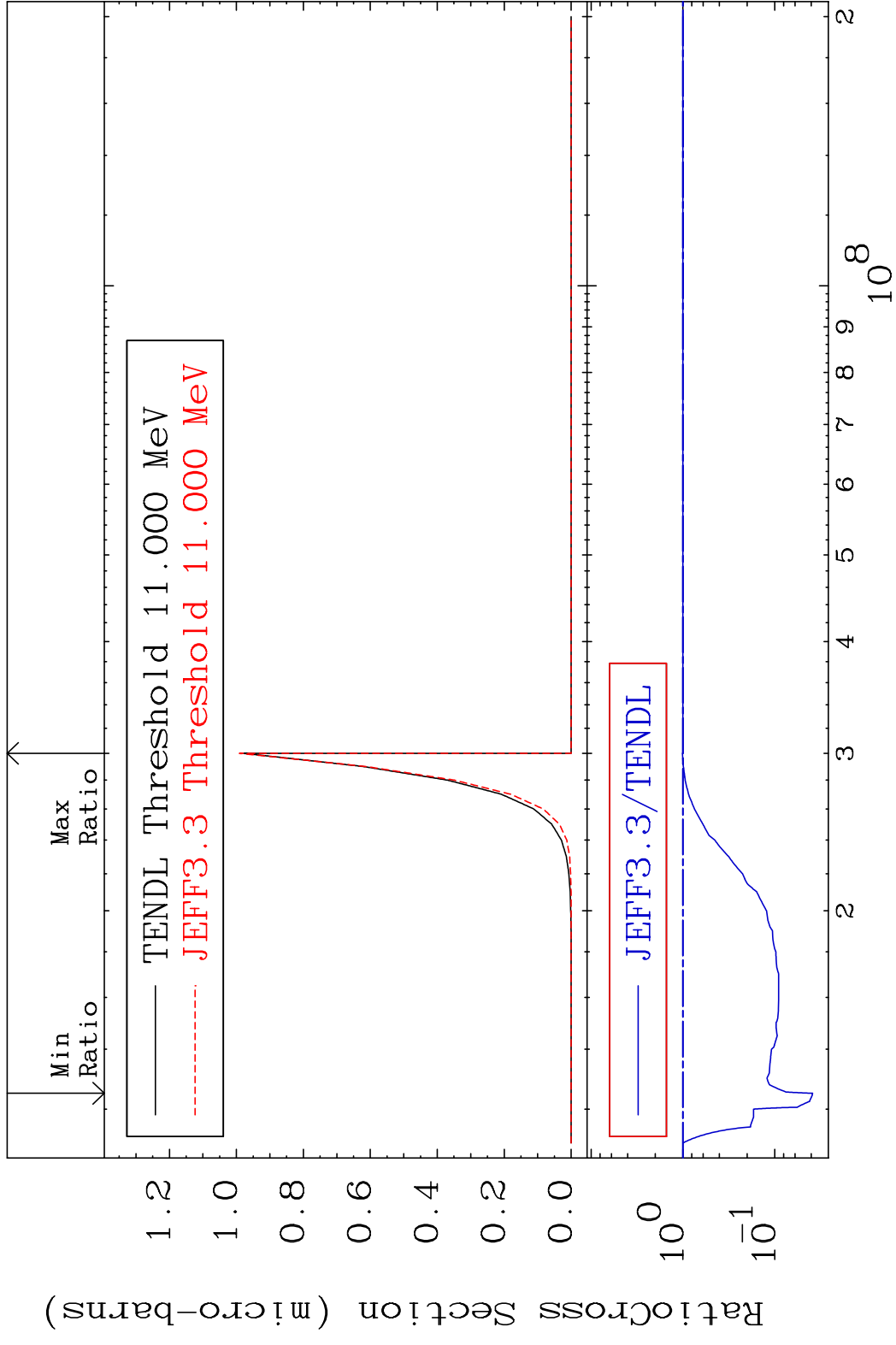






MAT 7425 (n,2p):72-Hf-179g 74-W -180
 Radionuclide Production Cross Section 1800 d to 453.5 %





MAT 7425 (n,p) d:72-Hf-178g 74-W -180
 Radionuclide Production Cross Section 180.01 d:to 121.3 %

