

Program Complot
(Version 2018-1)

by

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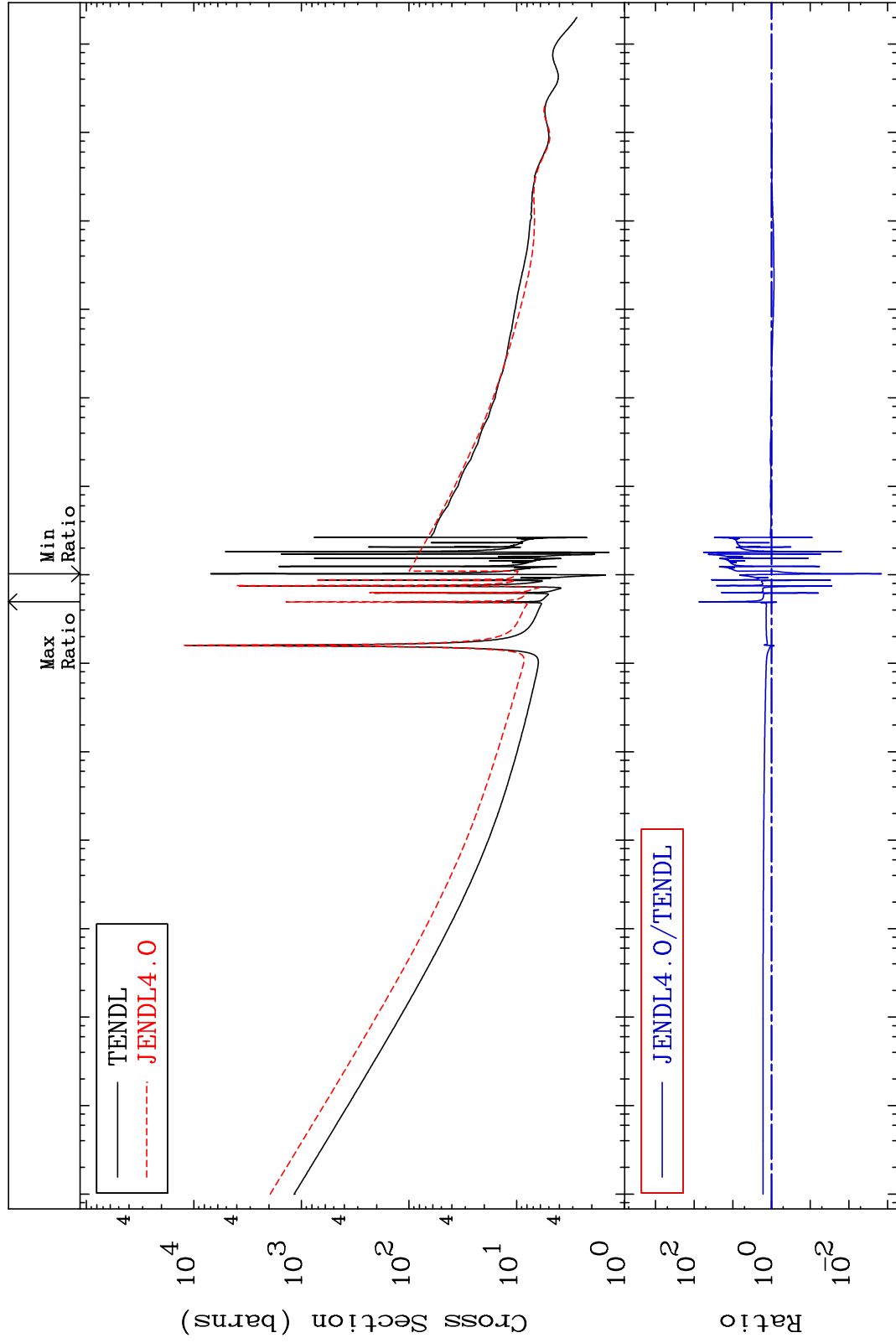
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7425

Total
Cross Section

74-W -180
-99.86 To 7574. %



1

Incident Energy (eV)

74-W -180

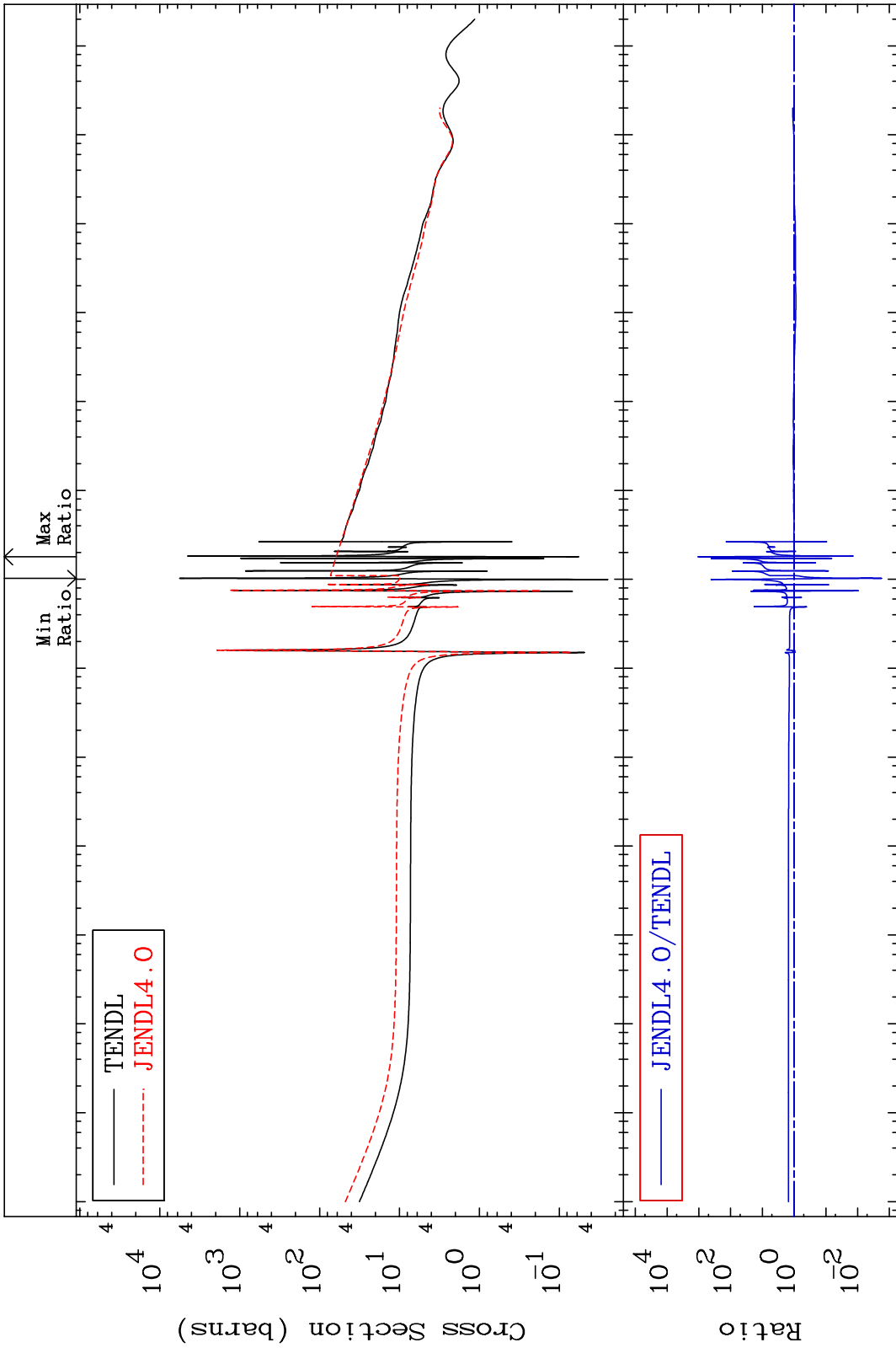
MAT 7425

Elastic

74-W -180

Cross Section

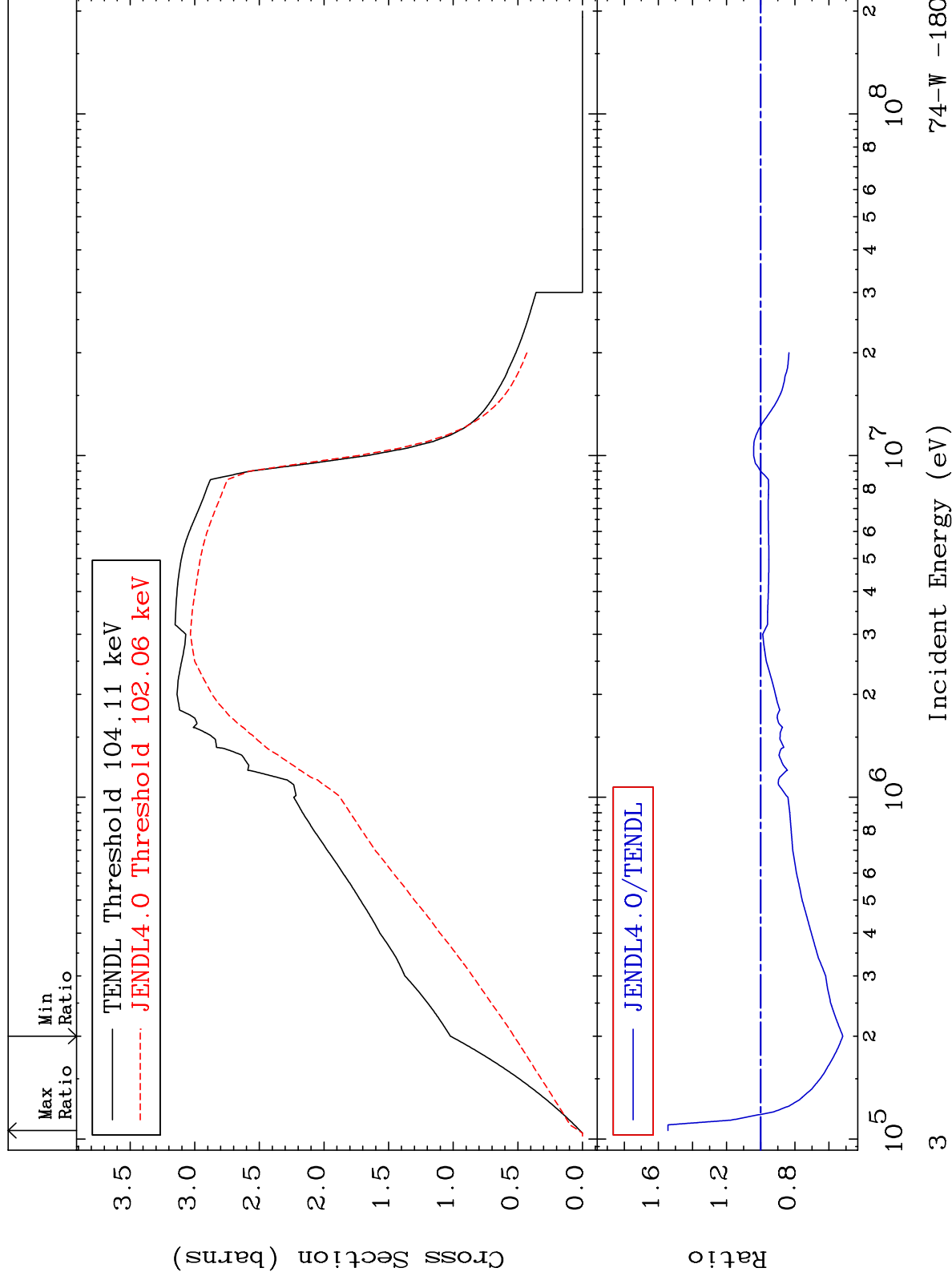
-99.82 To 9999. %



MAT 7425

Inelastic
Cross Section

74-W -180
-48.12 To 54.35 %



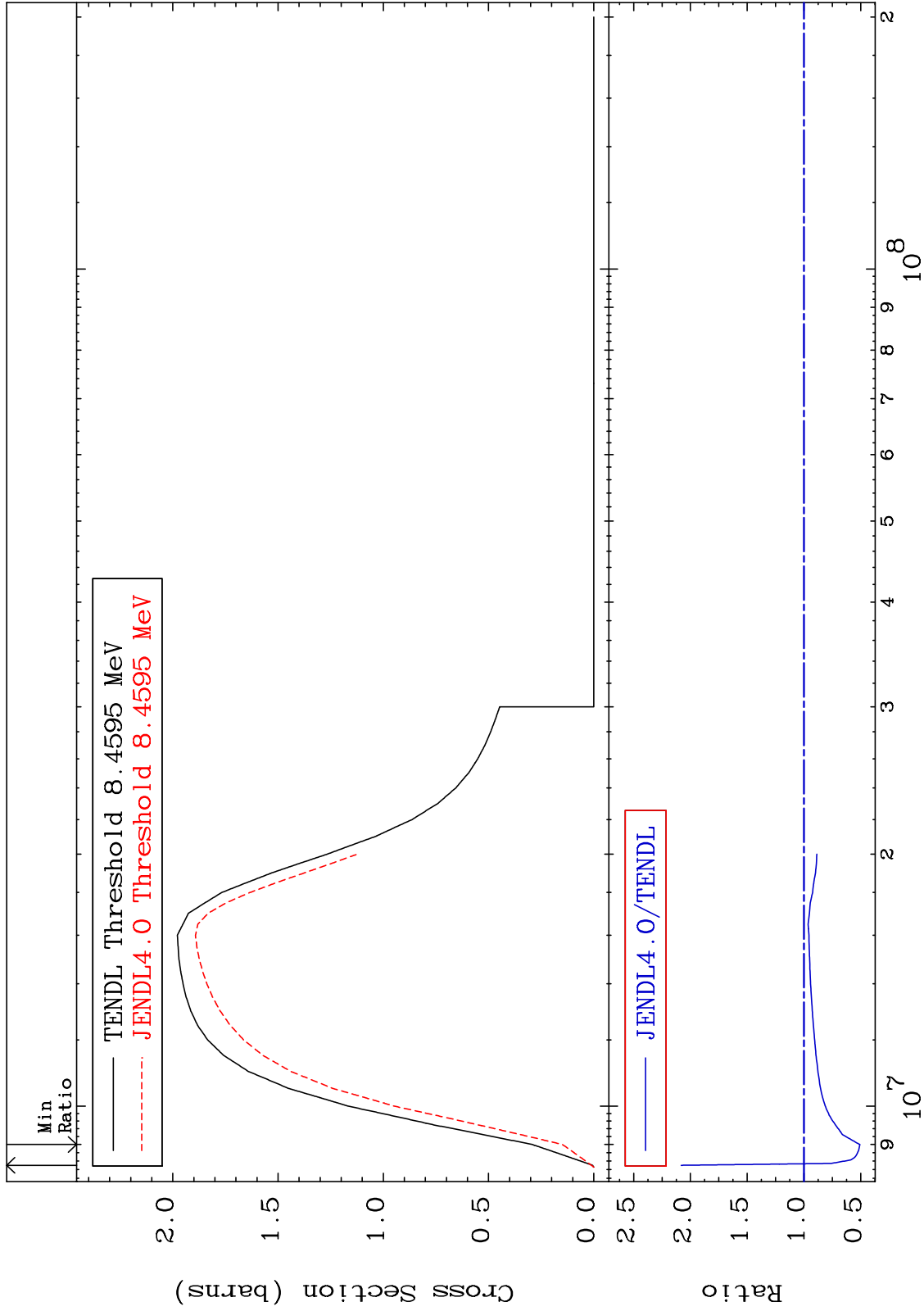
MAT 7425

(n,2n)

74-W -180

Cross Section

-49.23 To 108.1 %



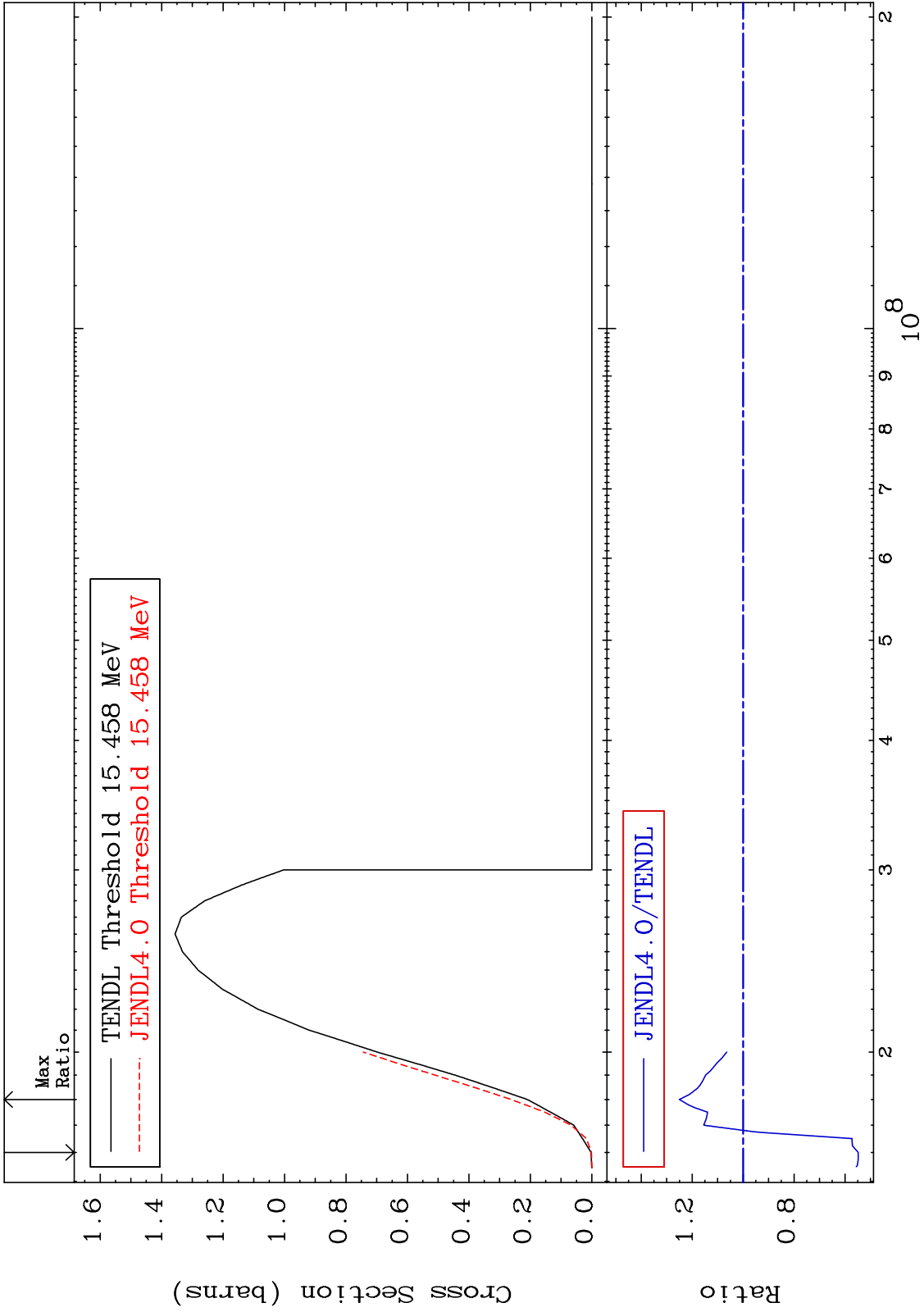
MAT 7425

(n,3n)

74-W -180

Cross Section

-45.21 To 25.03 %



5

Incident Energy (eV)

74-W -180

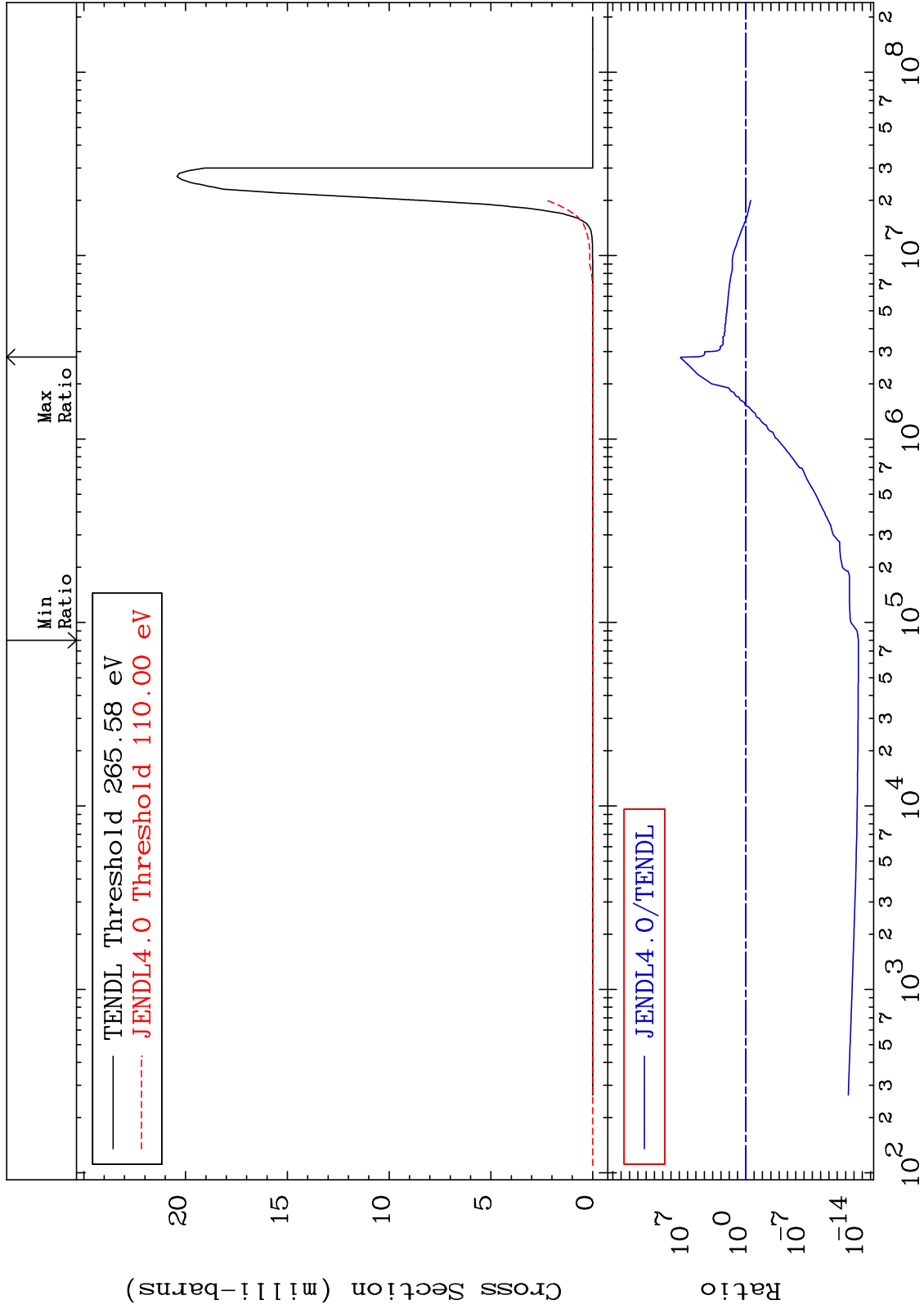
MAT 7425

(n, n') α

74-W -180

Cross Section

-100.0 To 9999. %



Incident Energy (eV)

74-W -180

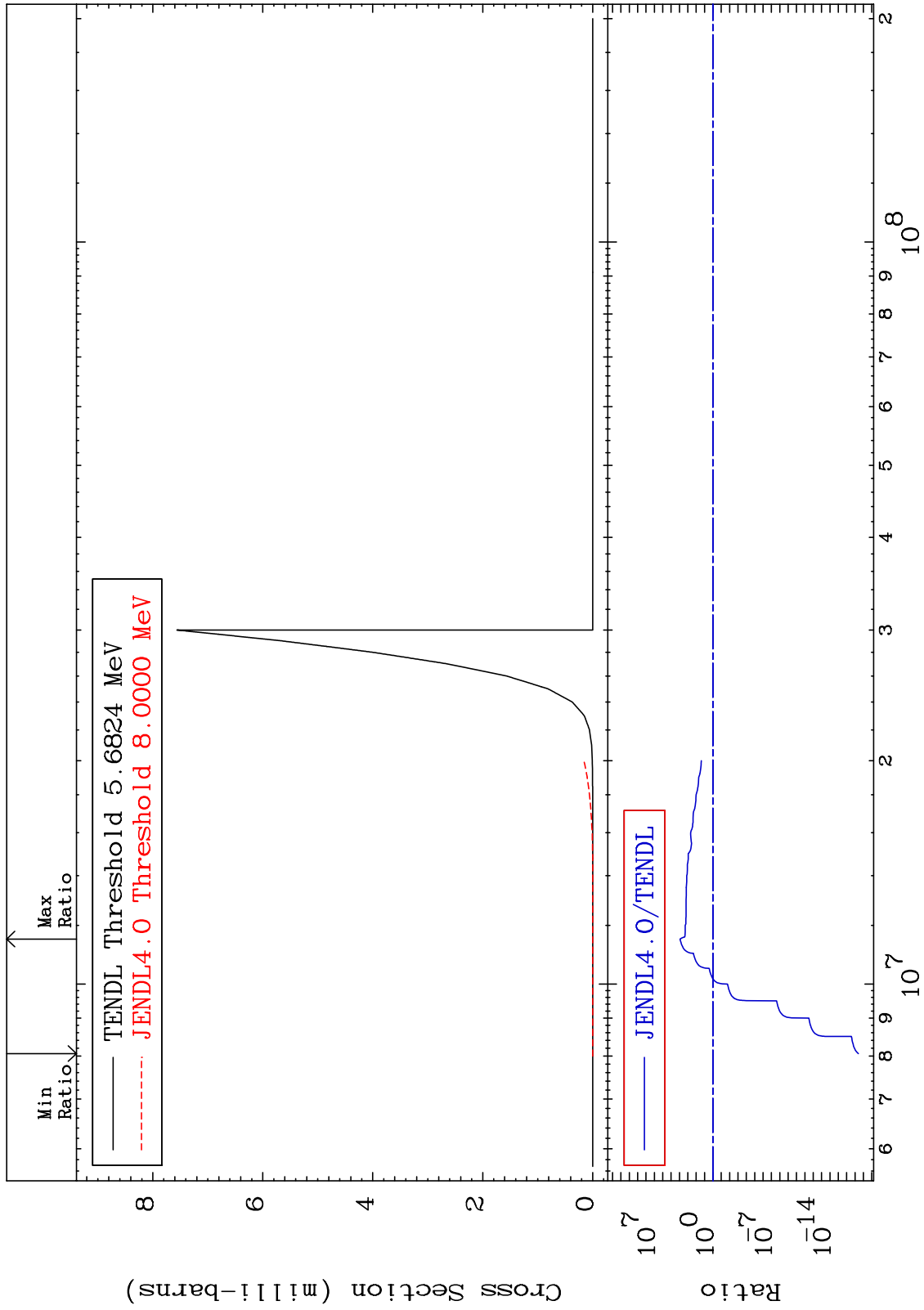
MAT 7425

(n,2n) α

74-W -180

-100.0 To 9999. %

Cross Section



7

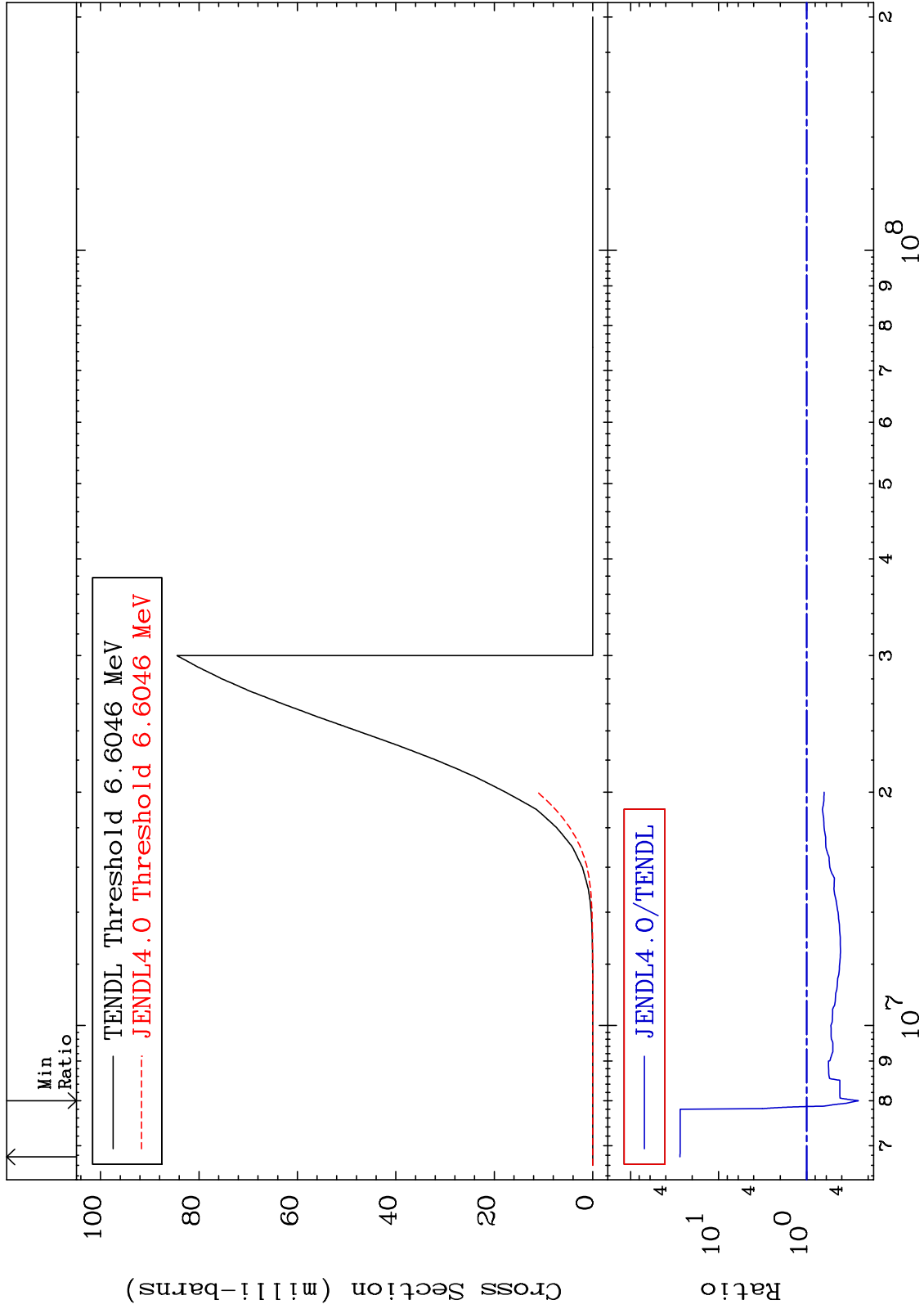
Incident Energy (eV)

74-W -180

MAT 7425

(n,n') p
Cross Section

74-W -180
-74.17 To 2648. %



8

Incident Energy (eV)

74-W -180

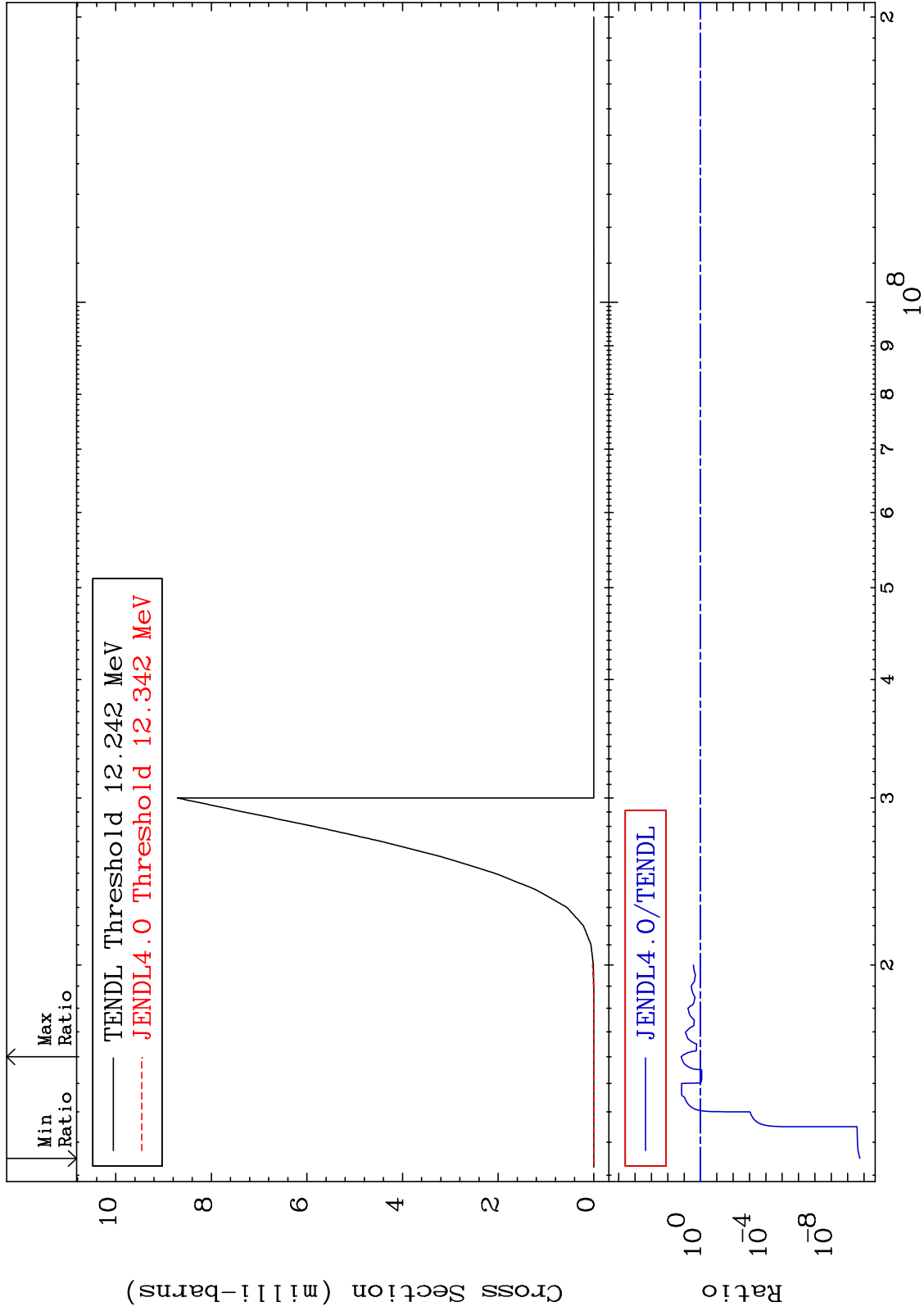
MAT 7425

(n, n') d

74-W -180

Cross Section

-100.0 To 1403. %



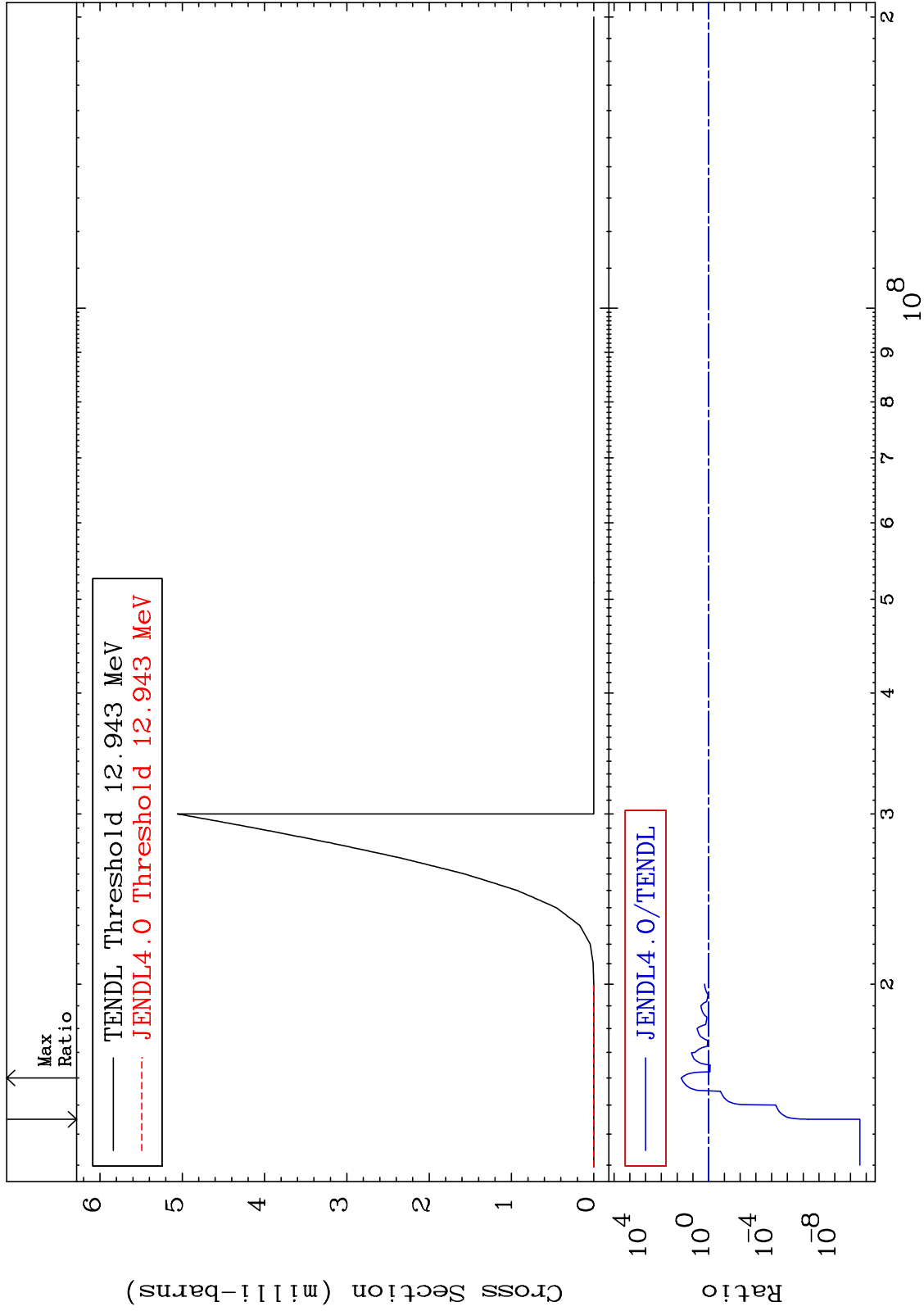
MAT 7425

(n,n') t

74-W -180

Cross Section

-100.0 To 5393. %



10

Incident Energy (eV)

74-W -180

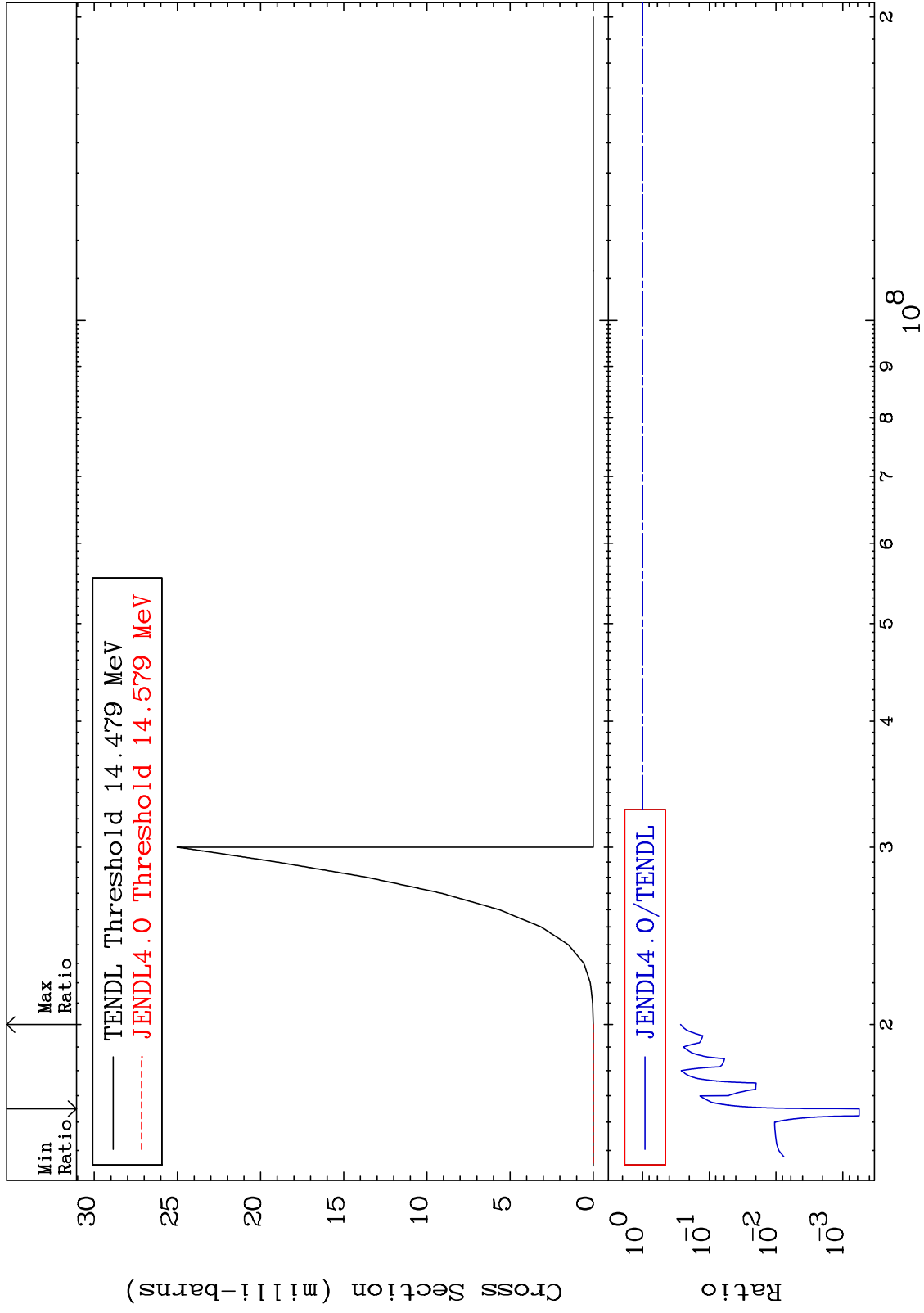
MAT 7425

(n,2n) p

74-W -180

Cross Section

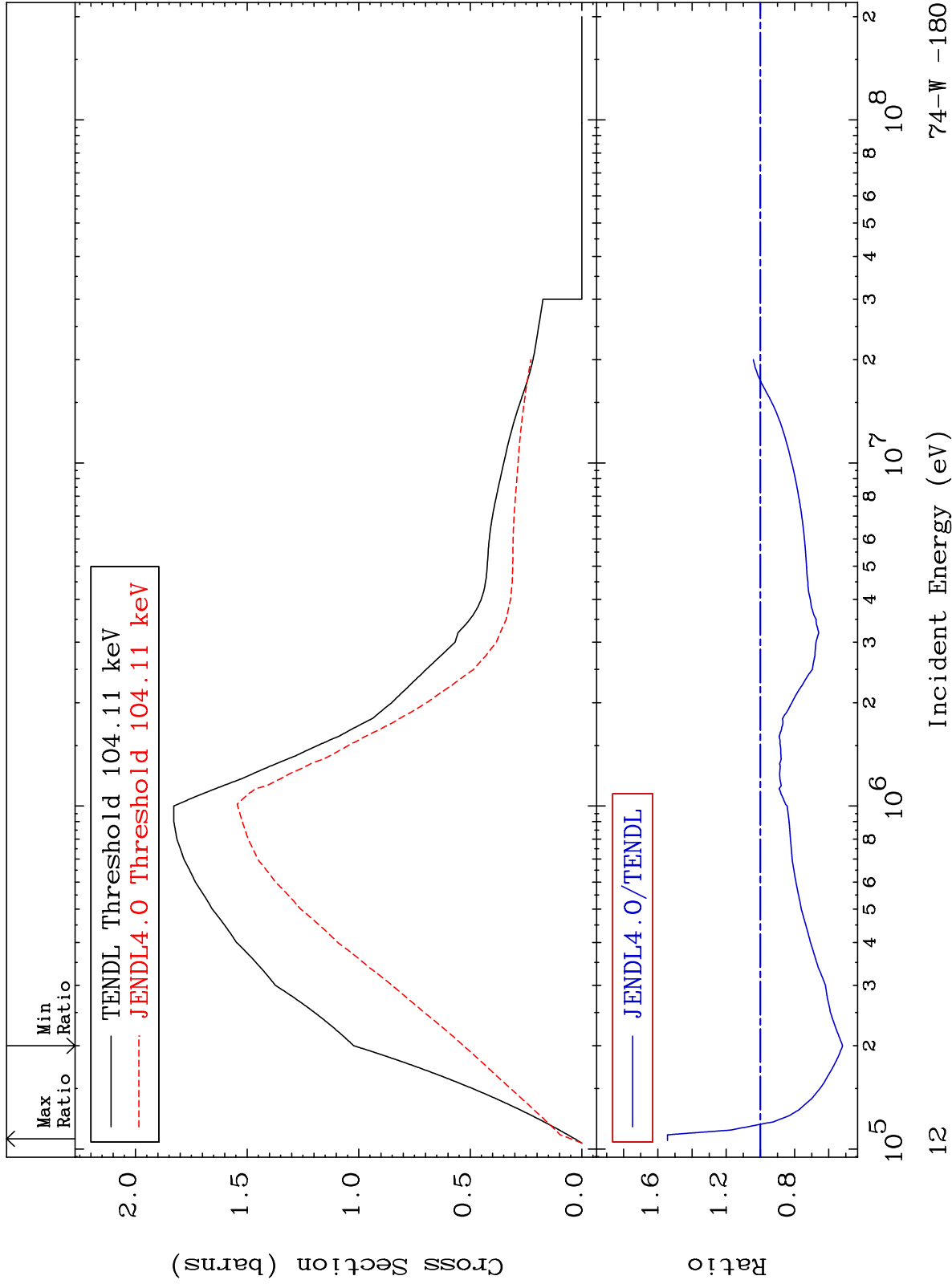
-99.94 To -73.06%



MAT 7425

MT= 51 (n,n') Level
Cross Section

74-W -180
-48.12 To 54.33 %

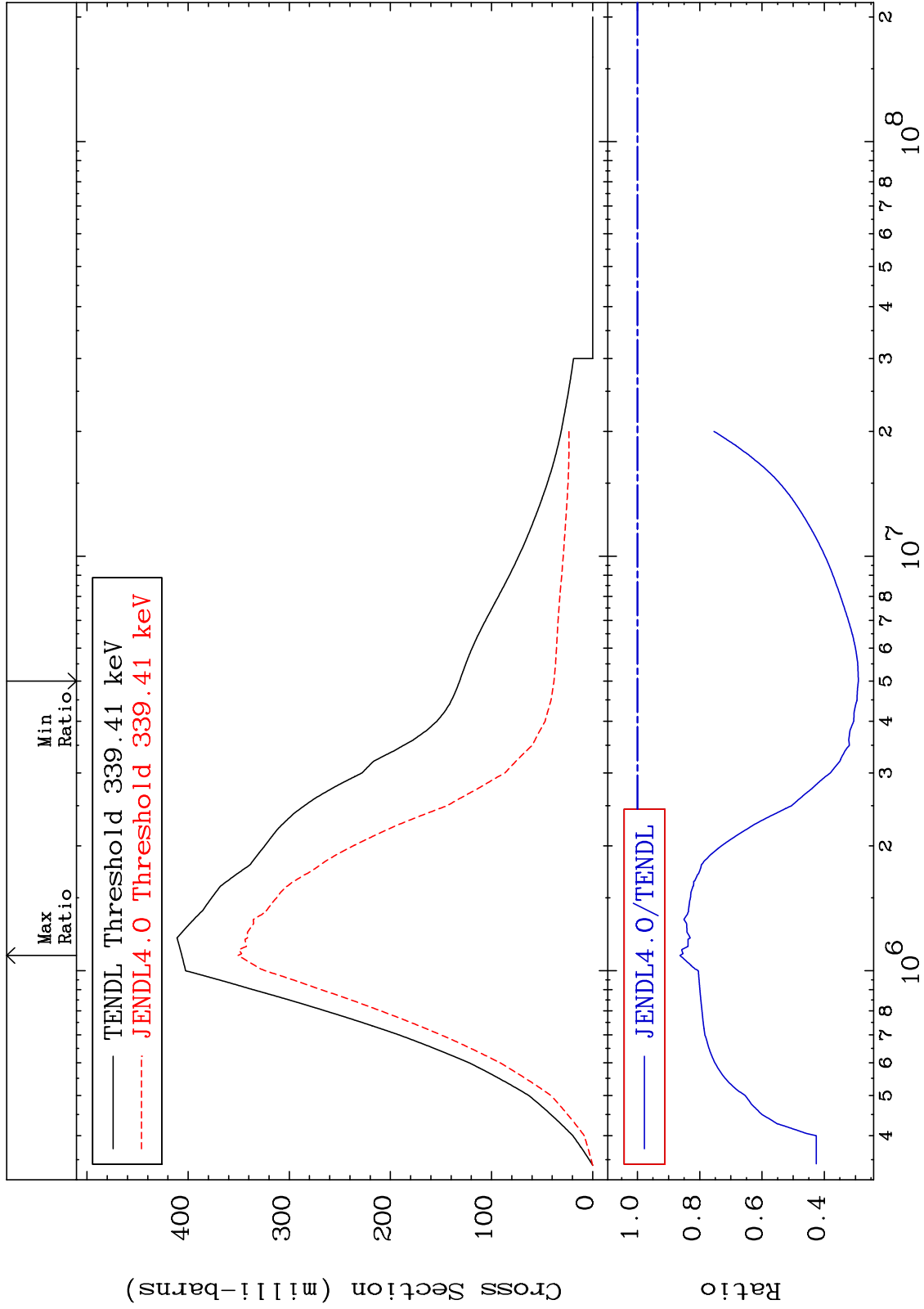


74-W -180

MAT 7425

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

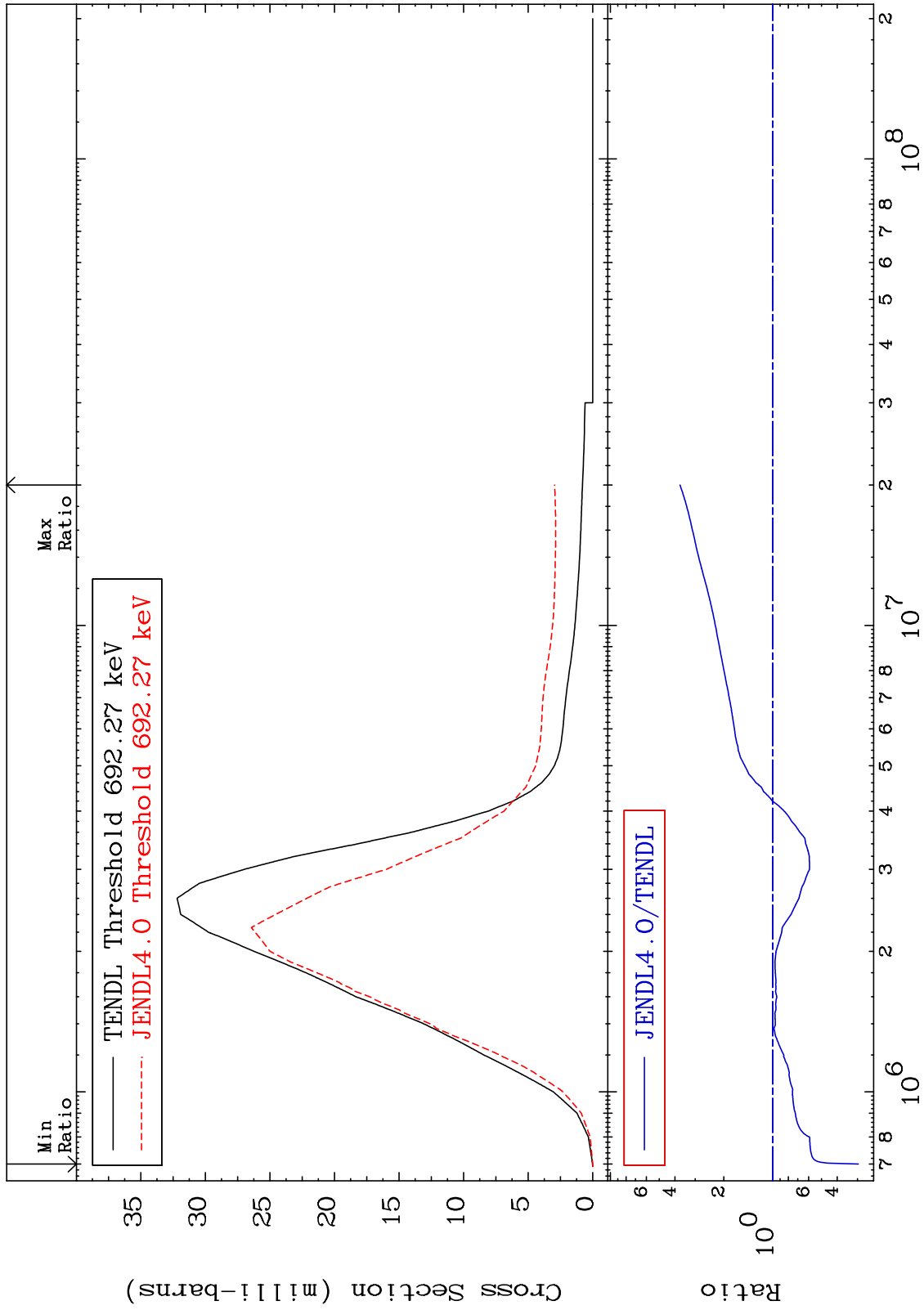
74-W -180
-70.94 To -13.68%



MAT 7425

MT= 53 (n,n') Level
Cross Section

74-W -180
-70.43 To 272.2 %



14

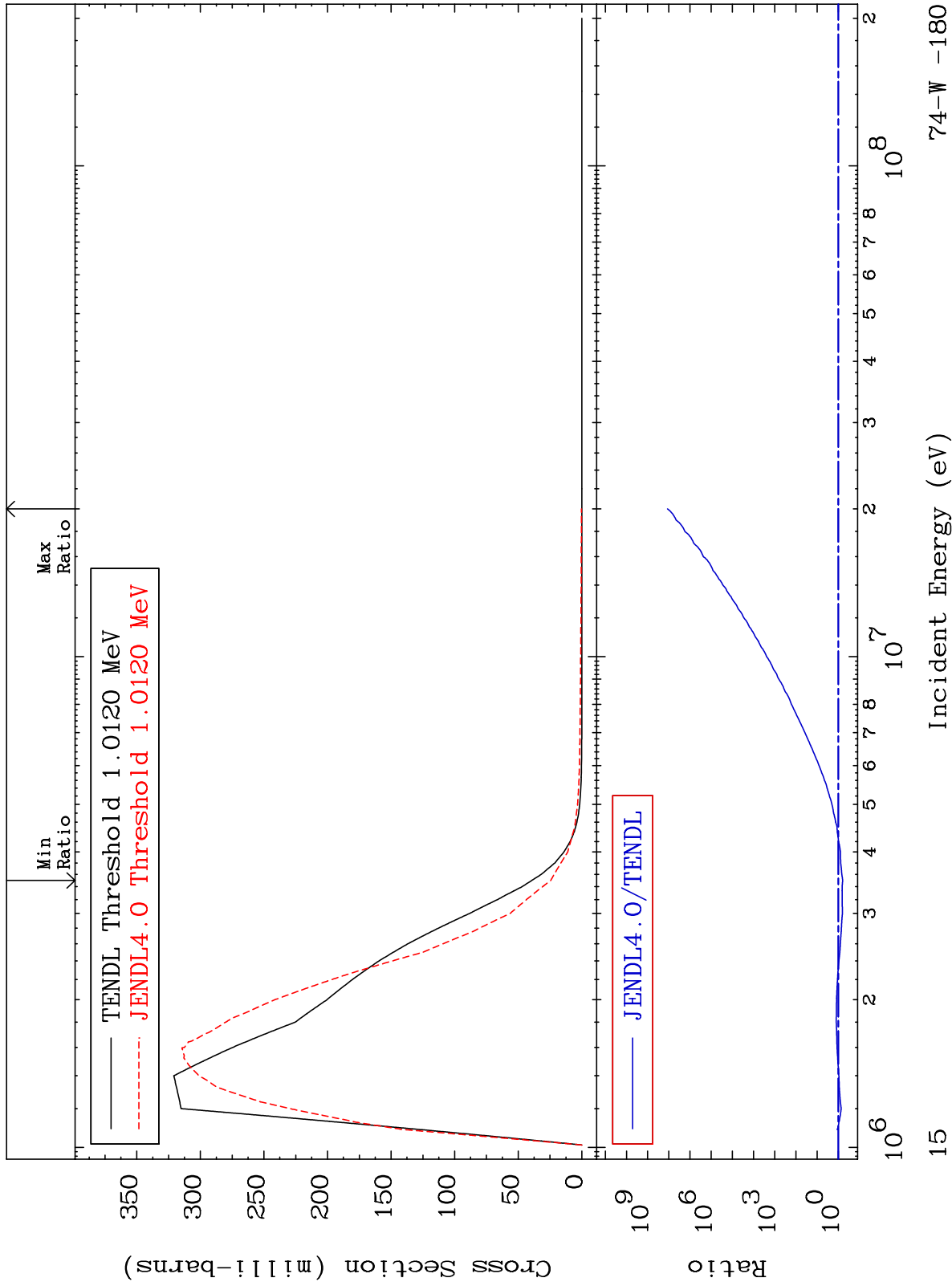
Incident Energy (eV)

74-W -180

MAT 7425

MT= 54 (n,n') Level
Cross Section

74-W -180
-37.94 To 9999. %

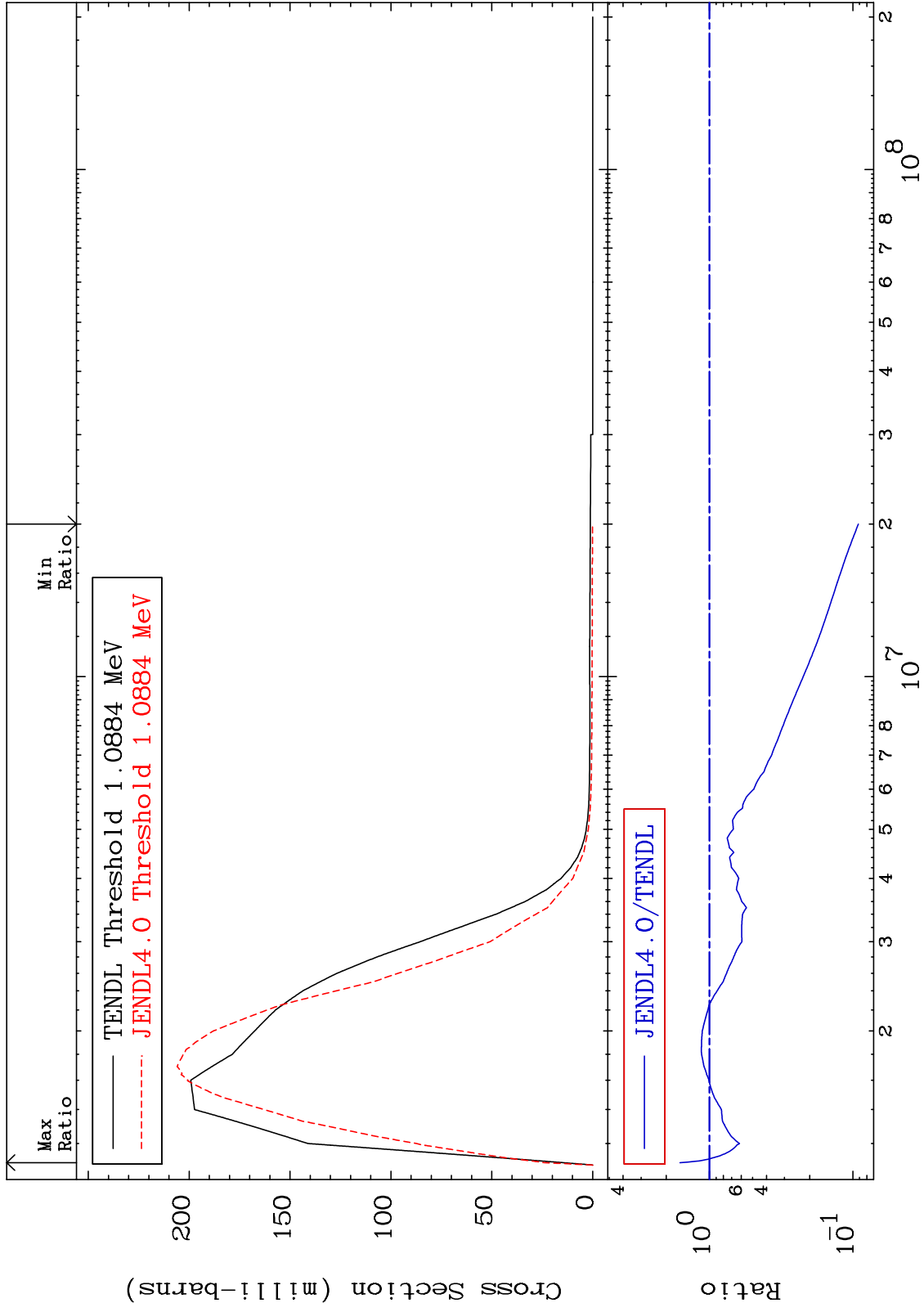


74-W -180

MAT 7425

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

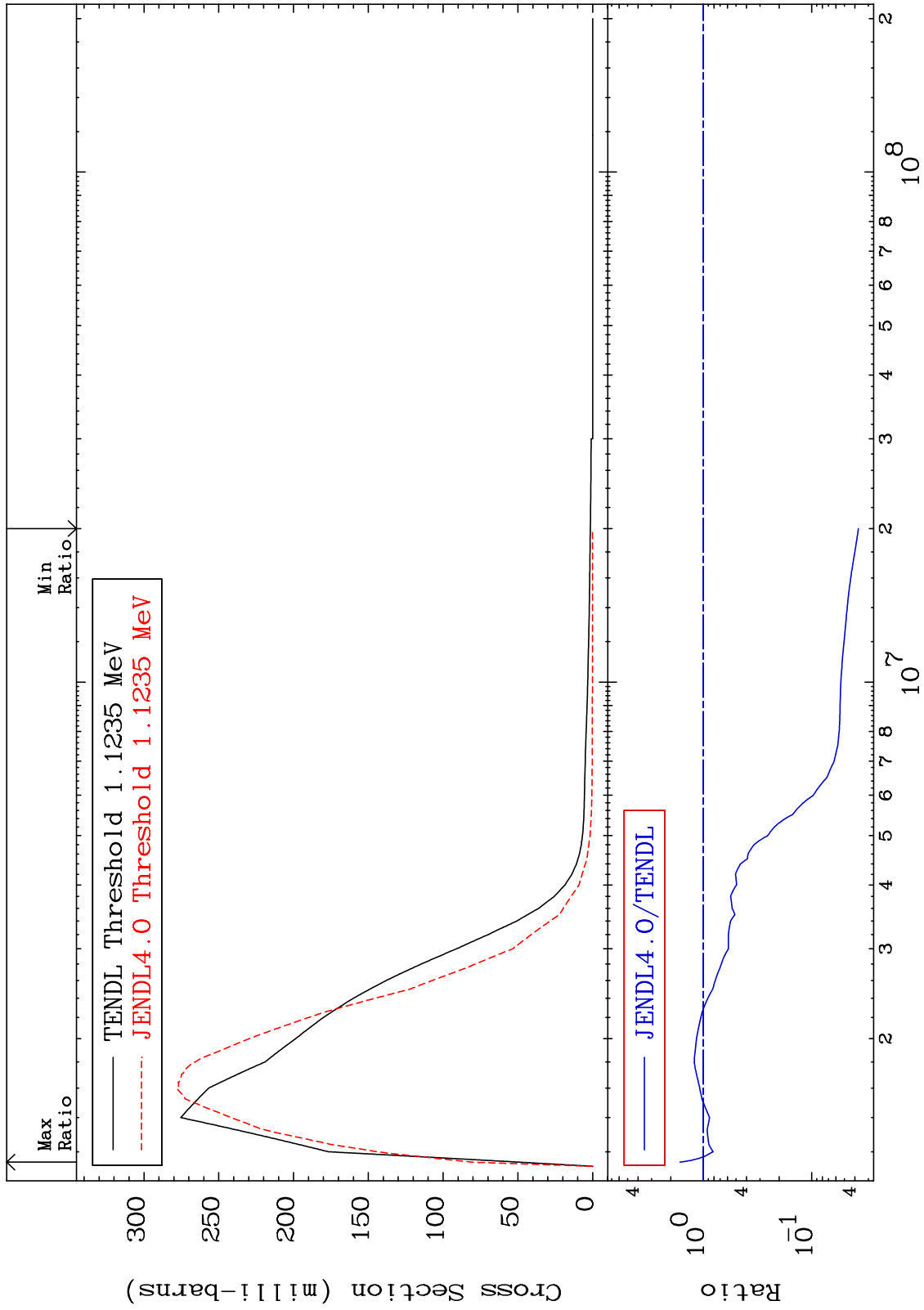
74-W -180
-90.84 To 60.50 %



MAT 7425

MT= 56 (n,n') Level
Cross Section

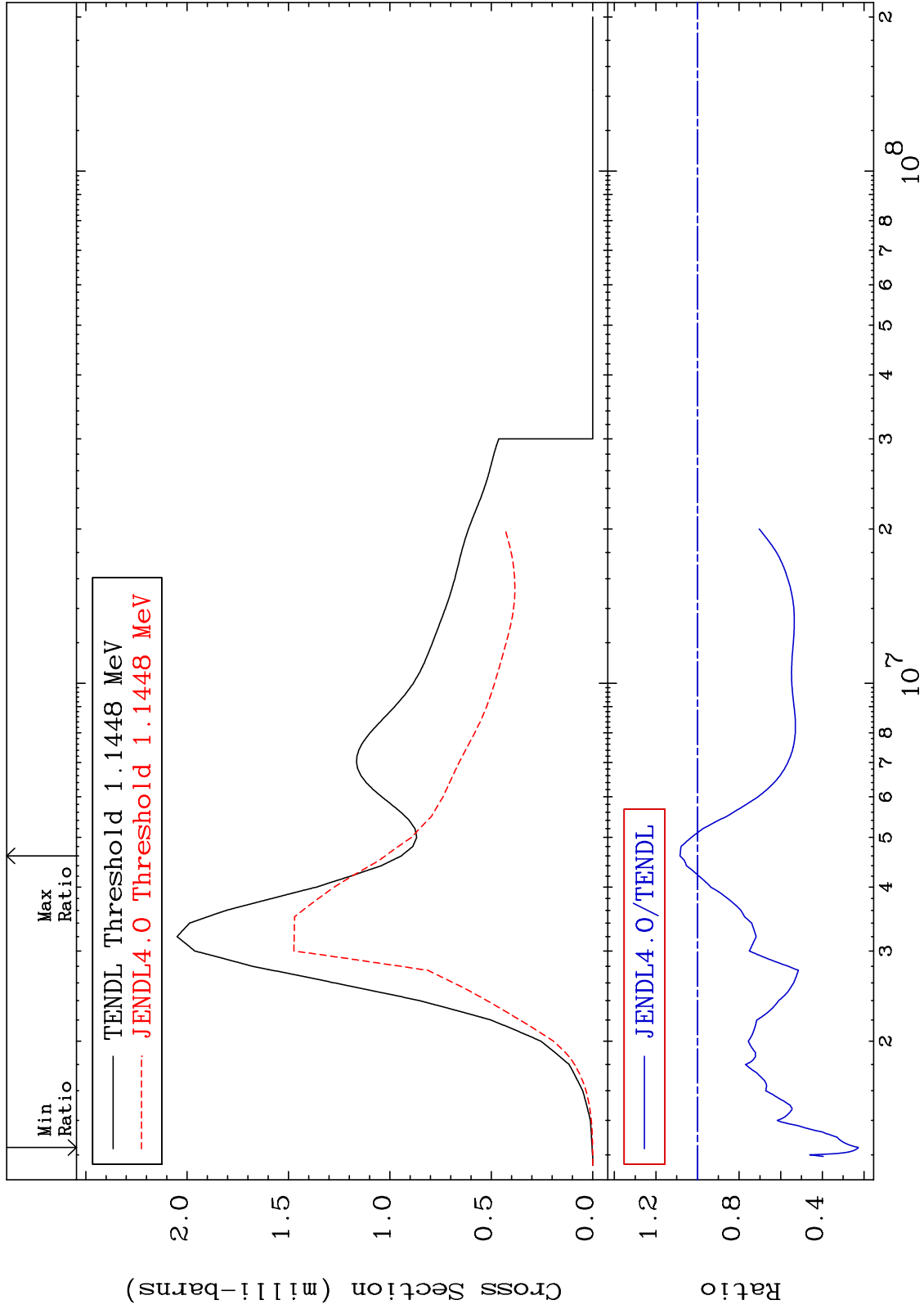
74-W -180
-96.28 To 64.25 %



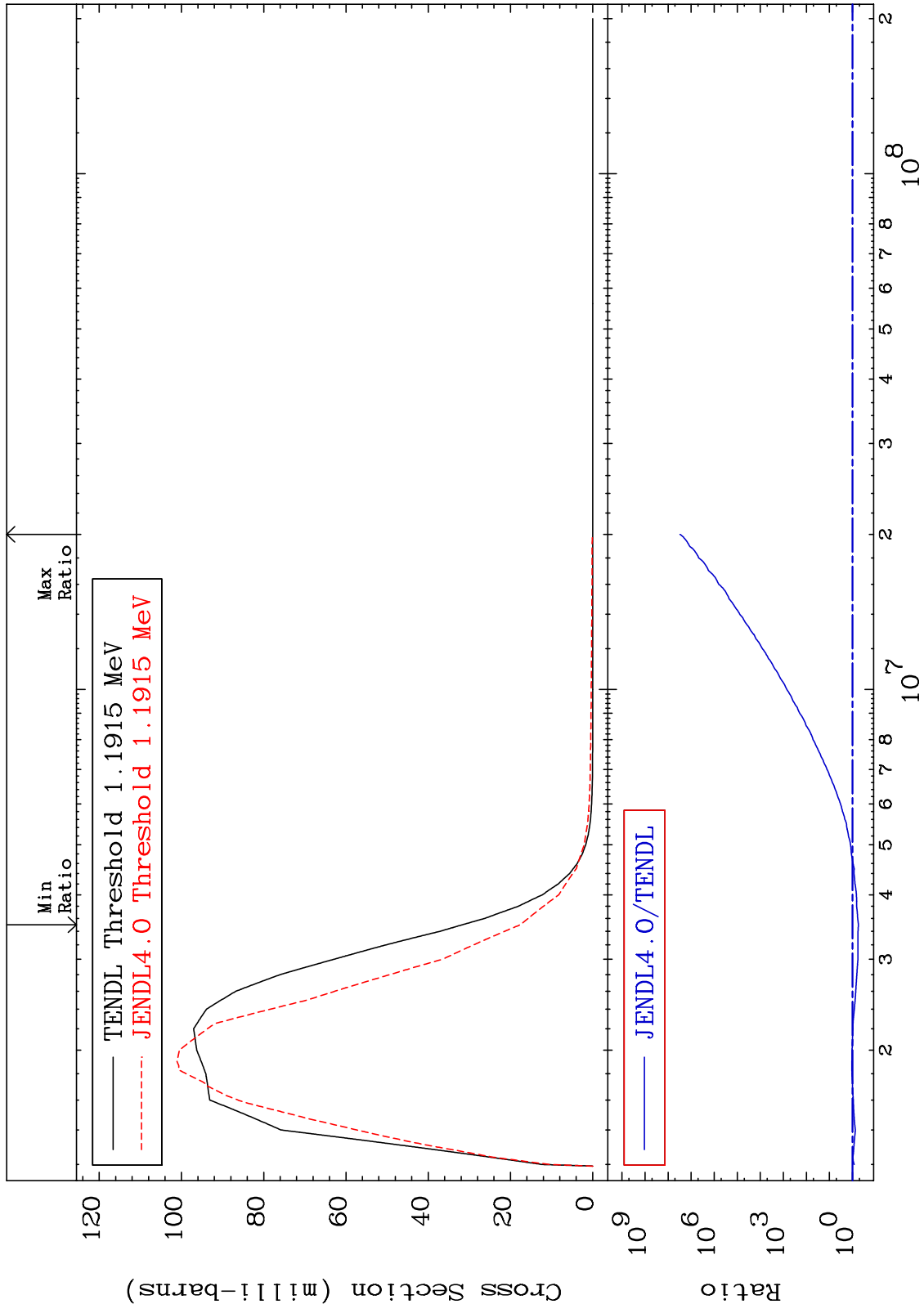
MAT 7425

MT= 57 (n,n') Level
Cross Section

74-W -180
-77.34 To 8.434 %



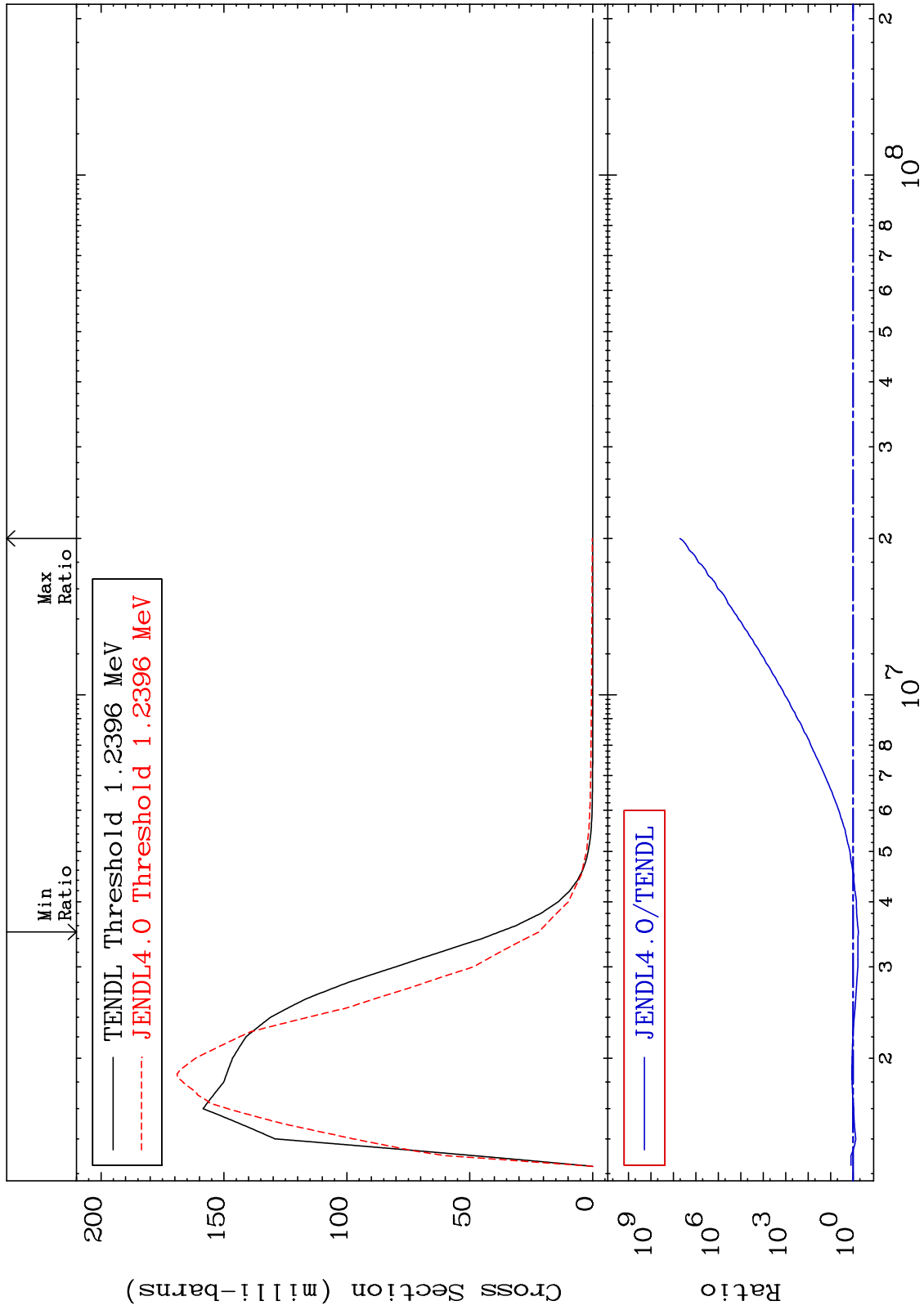
MAT 7425 MT= 58 (n,n') Level Cross Section 74-W -180
 -44.50 To 9999. %



MAT 7425

MT= 59 (n,n') Level
Cross Section

74-W -180
-42.39 To 9999. %

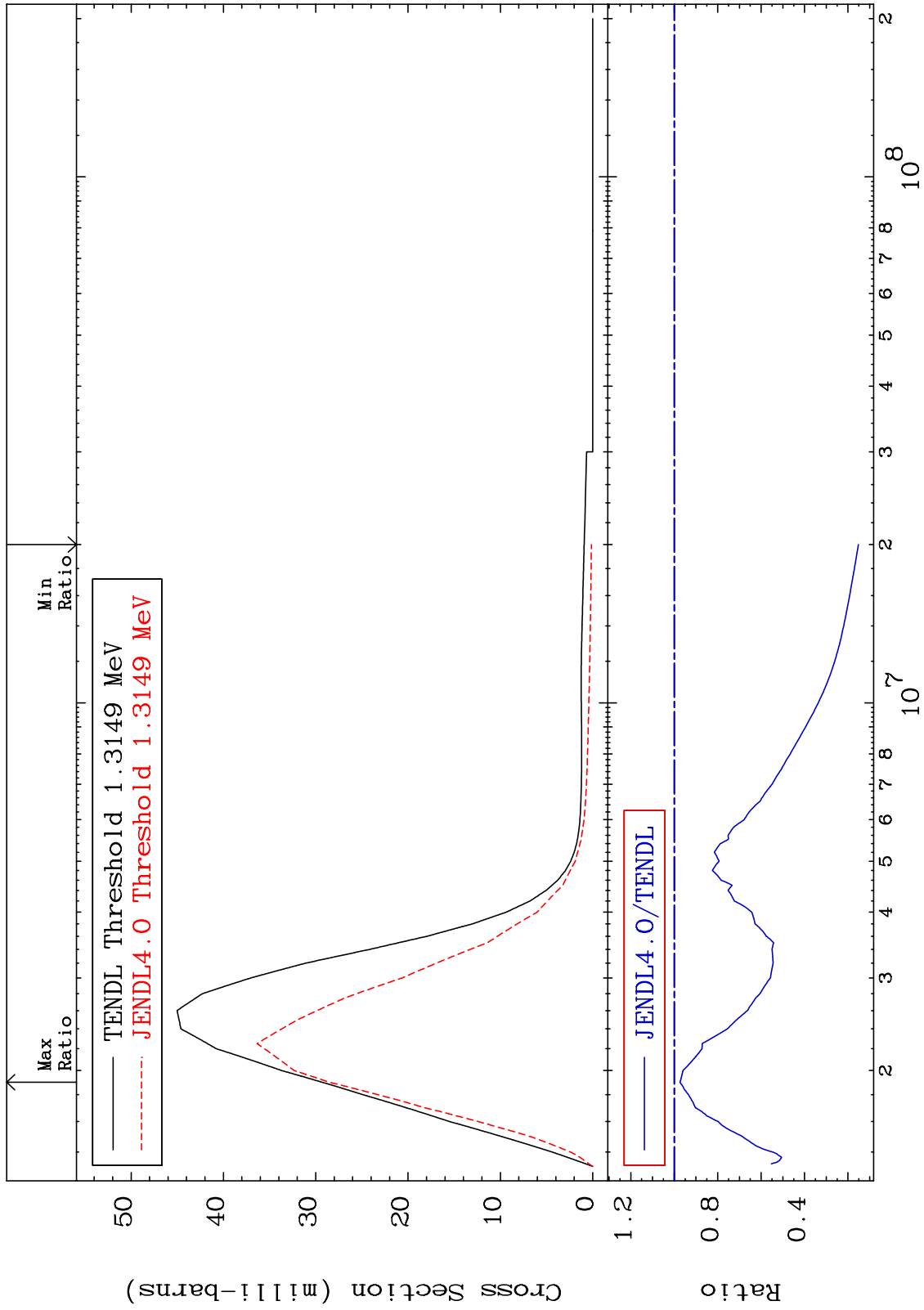


20

Incident Energy (eV)

74-W -180

MAT 7425 MT= 60 (n,n') Level
 Cross Section 74-W -180
 -84.80 To -2.658%



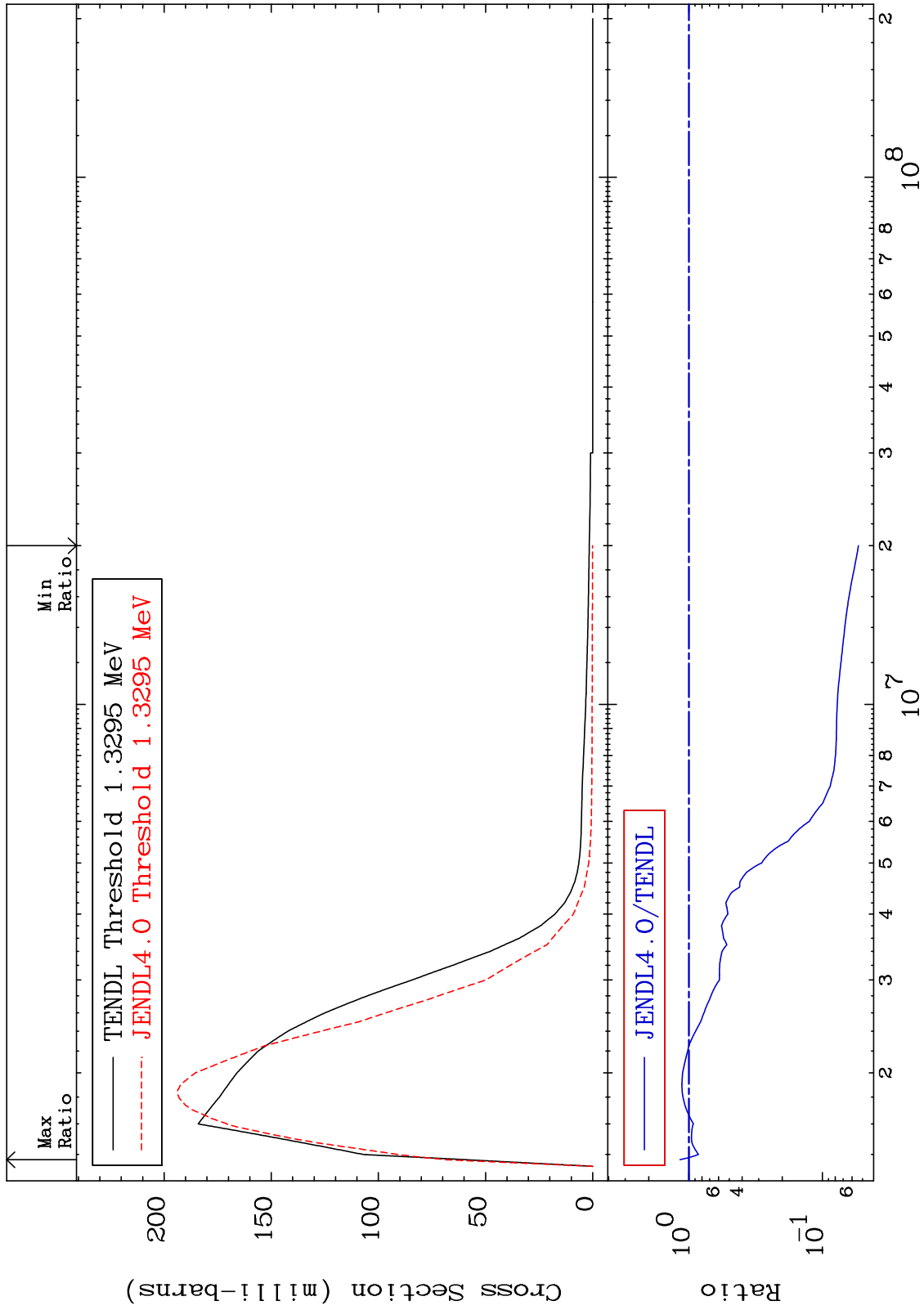
74-W -180

Incident Energy (eV)

MAT 7425

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

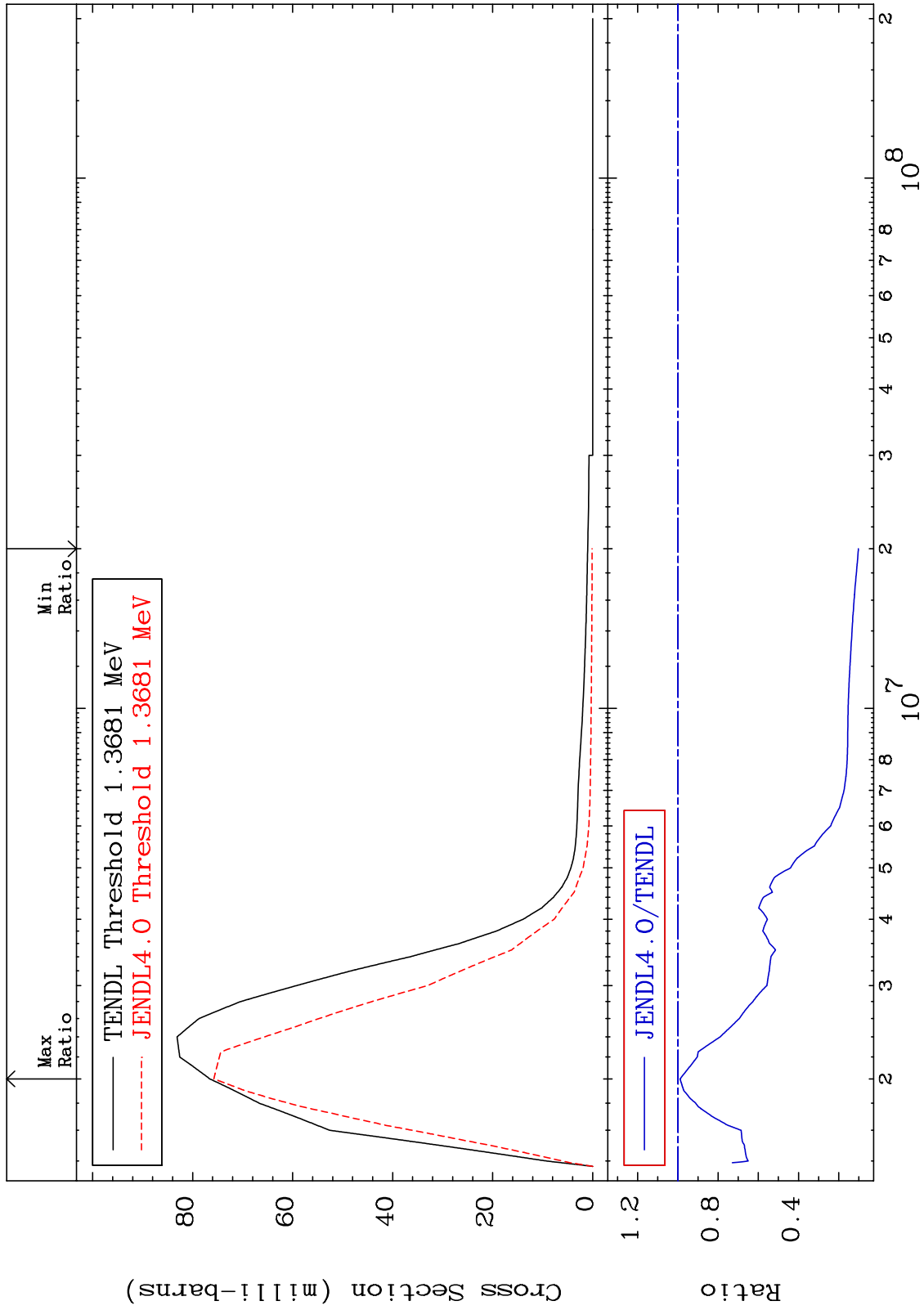
74-W -180
-94.63 To 16.71 %



MAT 7425

MT= 62 (n,n') Level
Cross Section

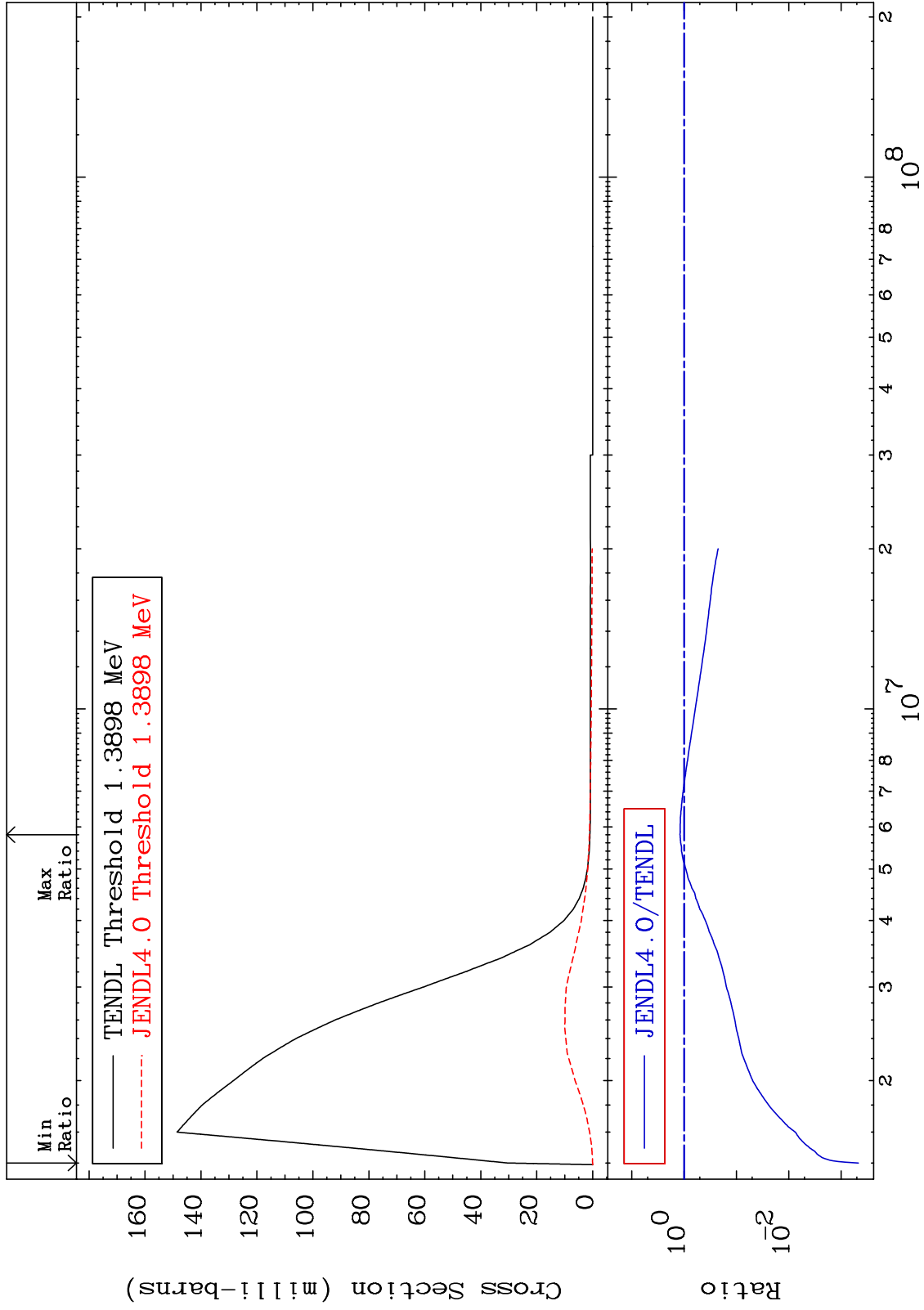
74-W -180
-89.79 To -1.048%



MAT 7425

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

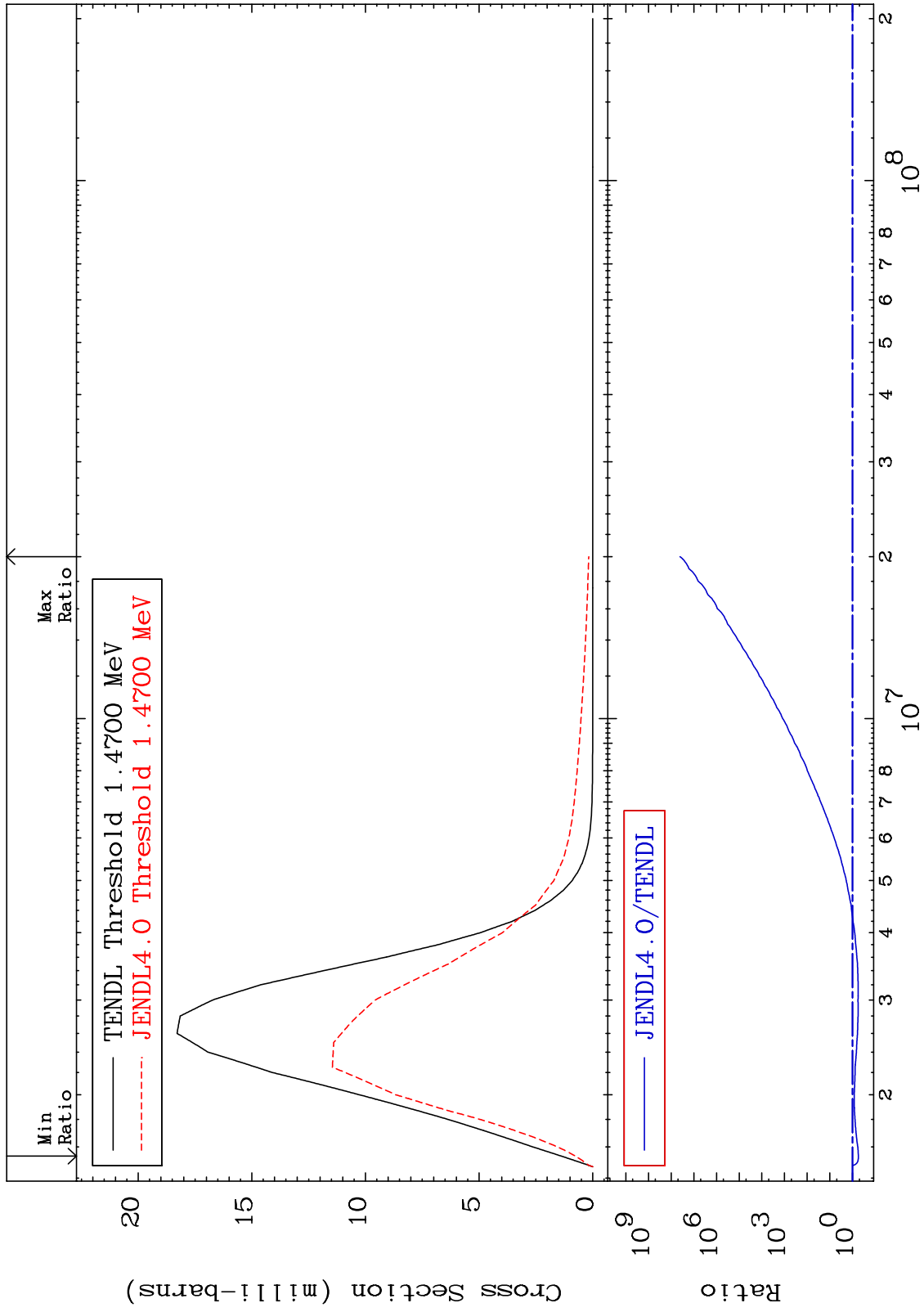
74-W -180
-99.95 To 19.98 %



MAT 7425

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

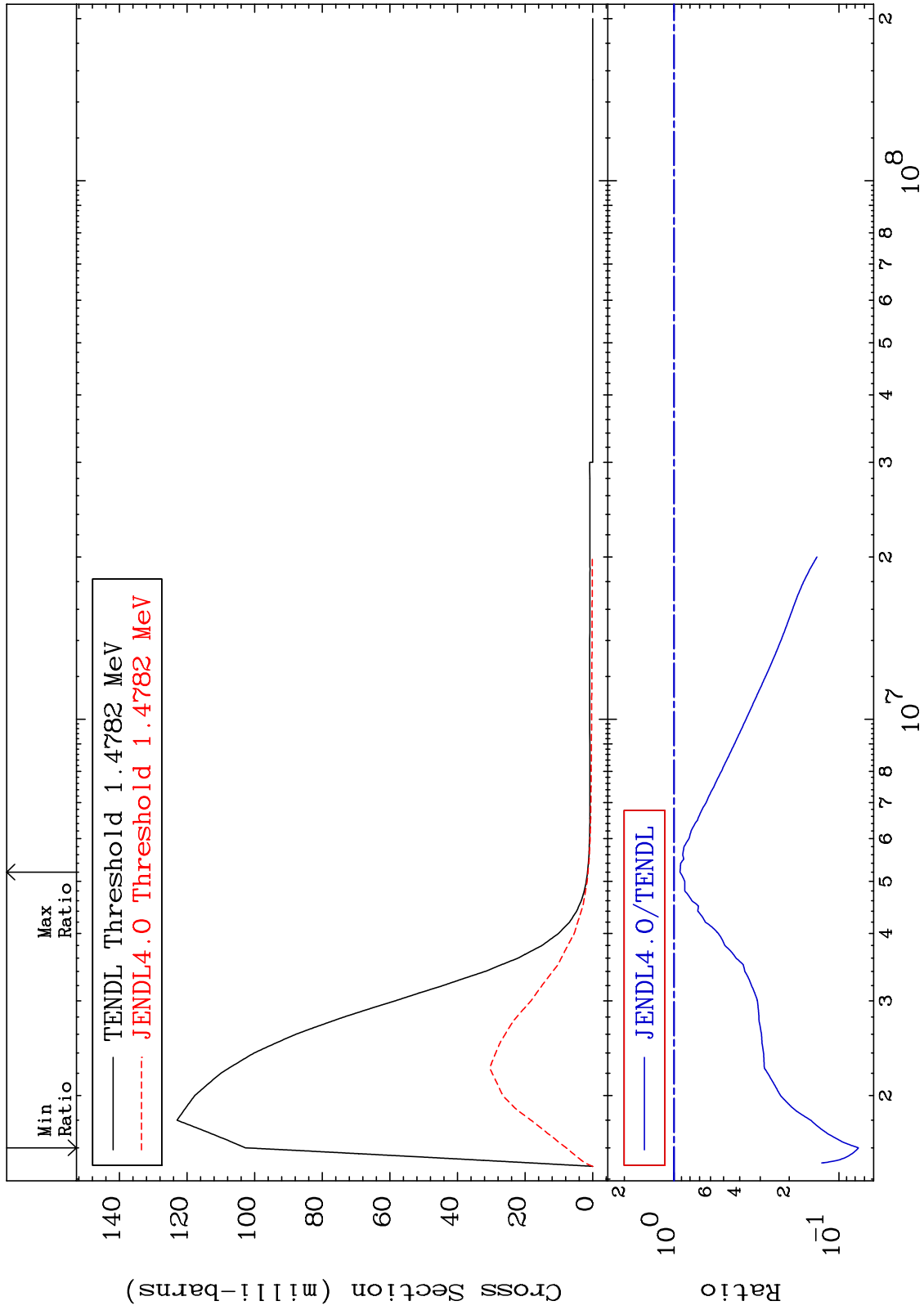
74-W -180
-44.94 To 9999. %



MAT 7425

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

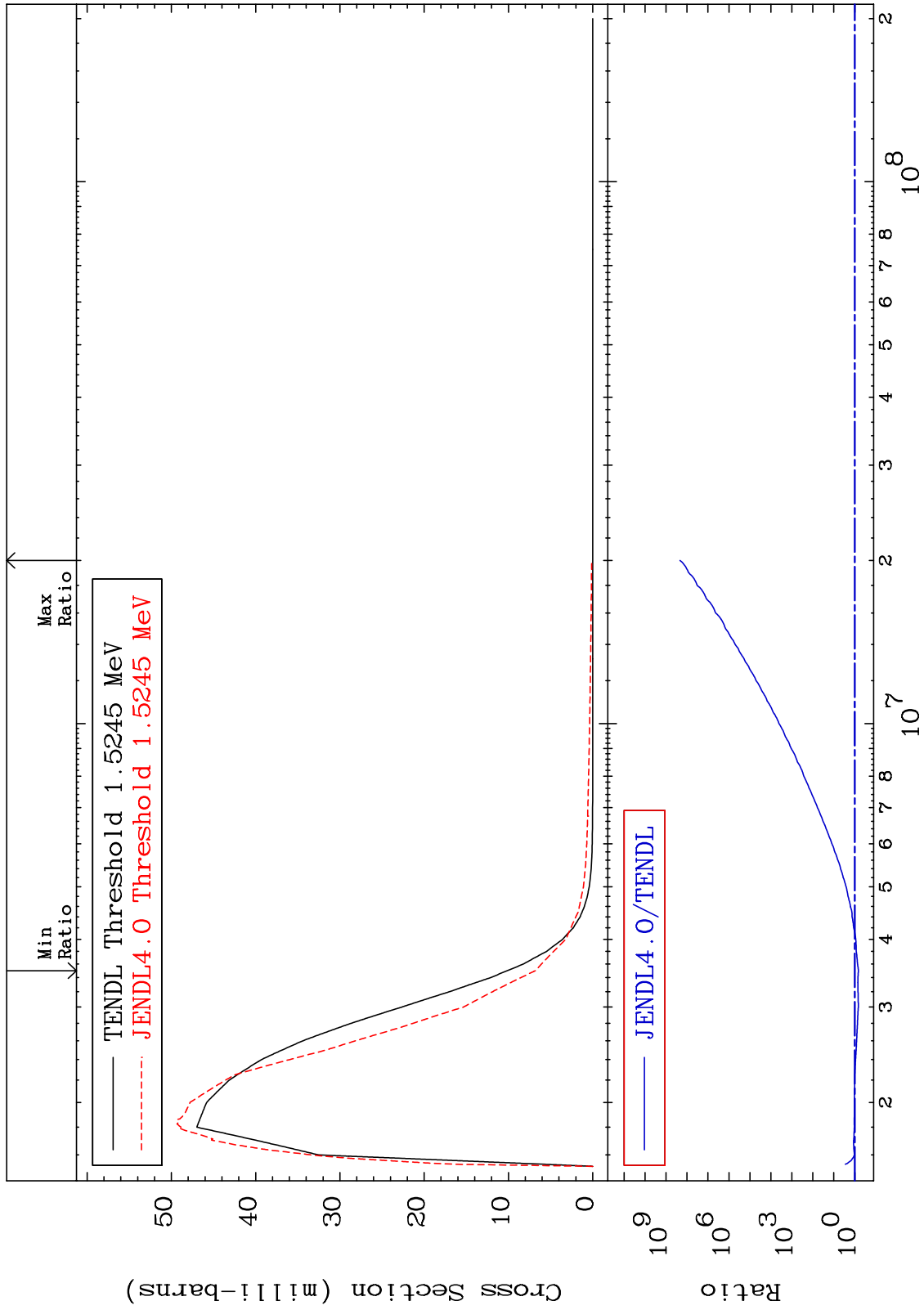
74-W -180
-92.37 To -8.103%



MAT 7425

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

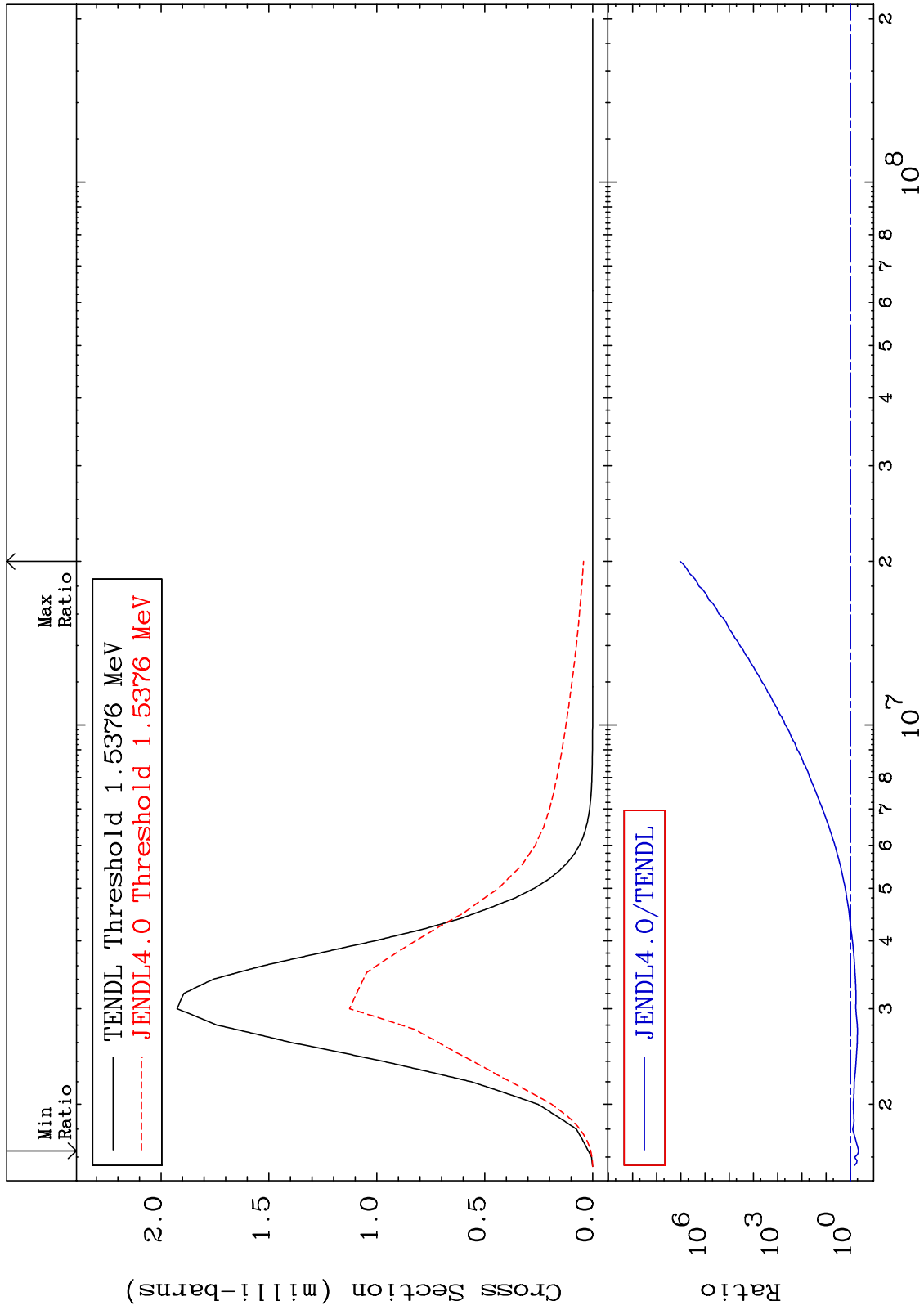
74-W -180
-32.98 To 9999. %



MAT 7425

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

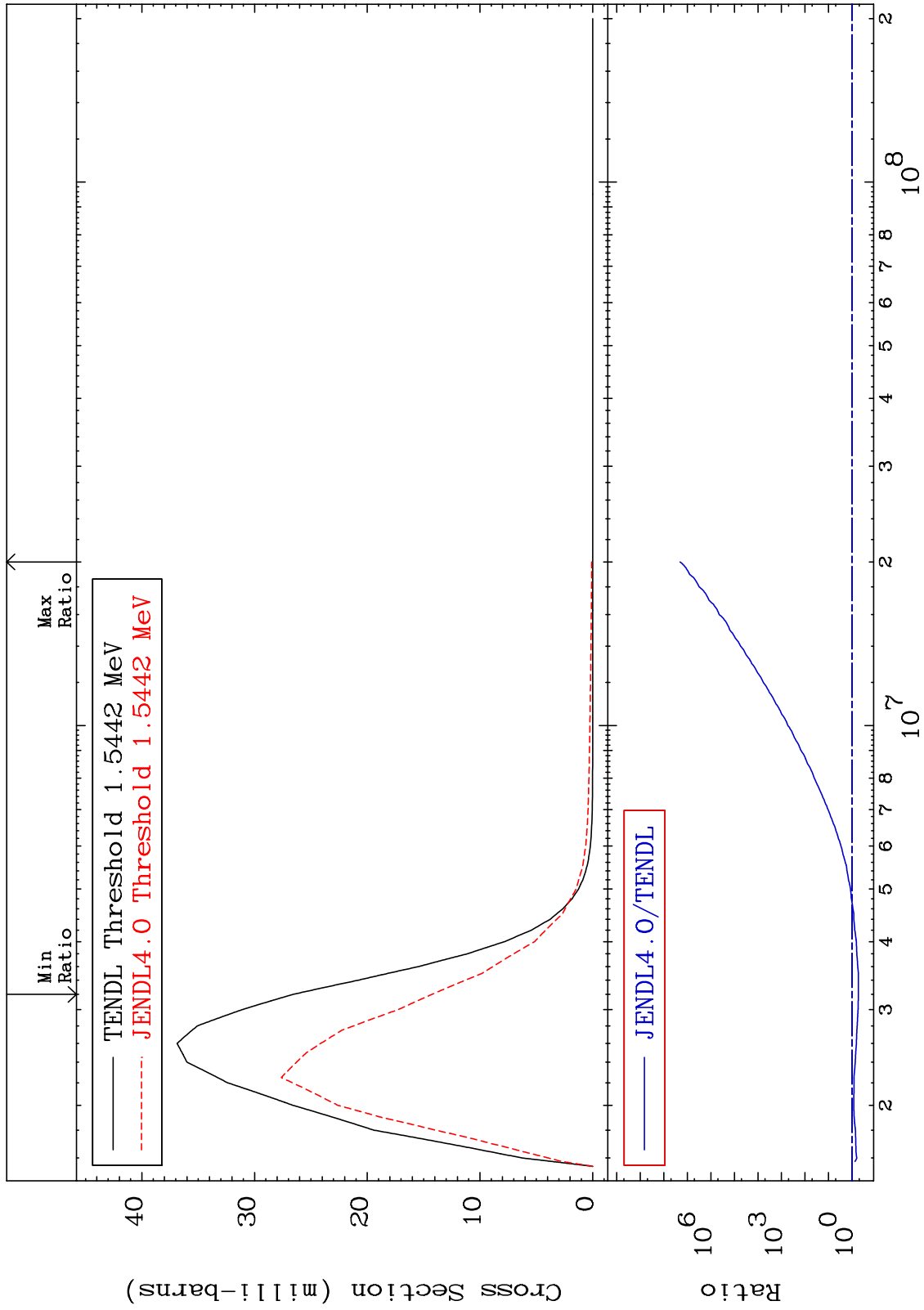
74-W -180
-54.30 To 9999. %



MAT 7425

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

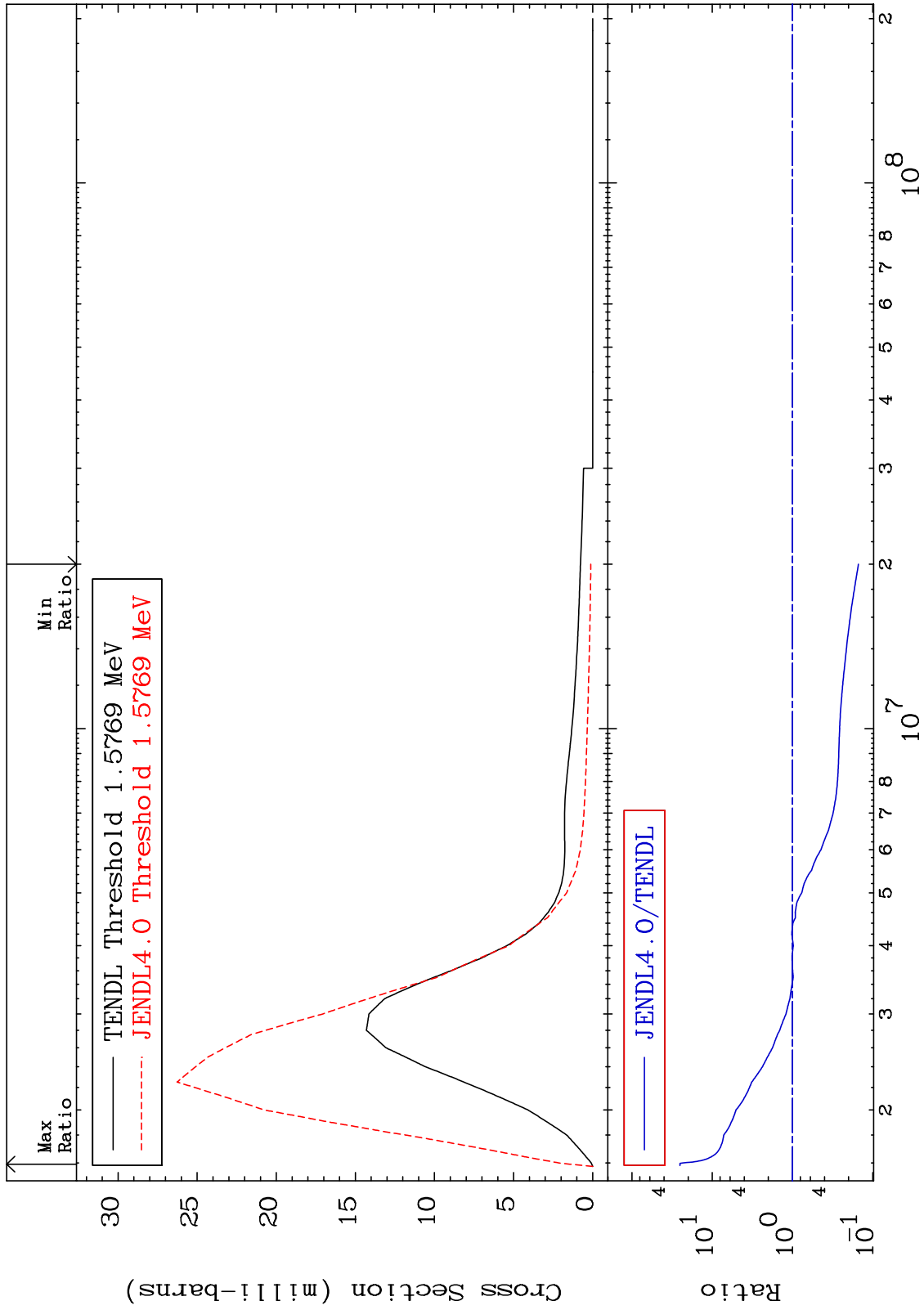
74-W -180
-46.34 To 9999. %



MAT 7425

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

74-W -180
-84.90 To 2426. %



30

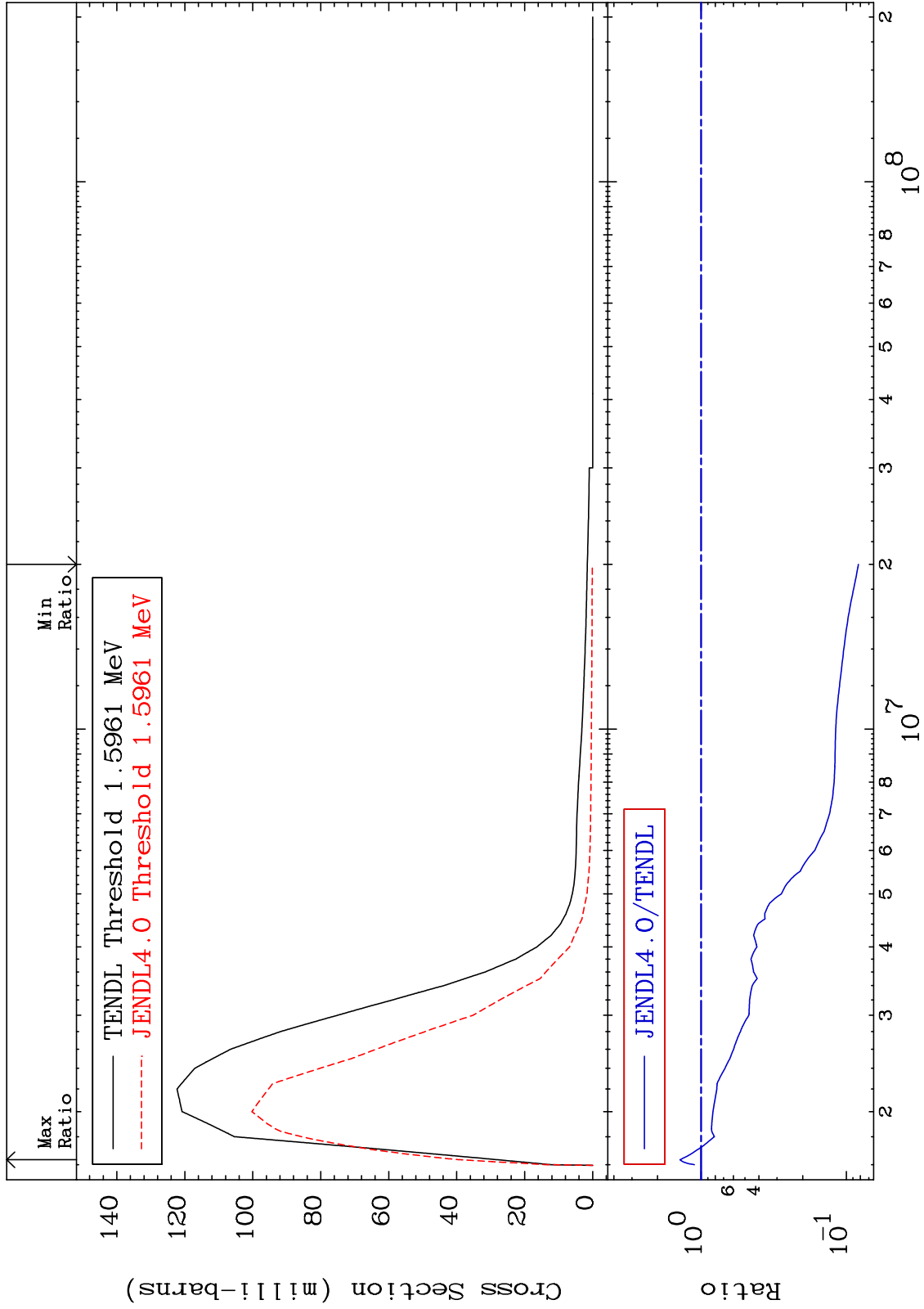
Incident Energy (eV)

74-W -180

MAT 7425

MT= 70 (n,n') Level
Cross Section

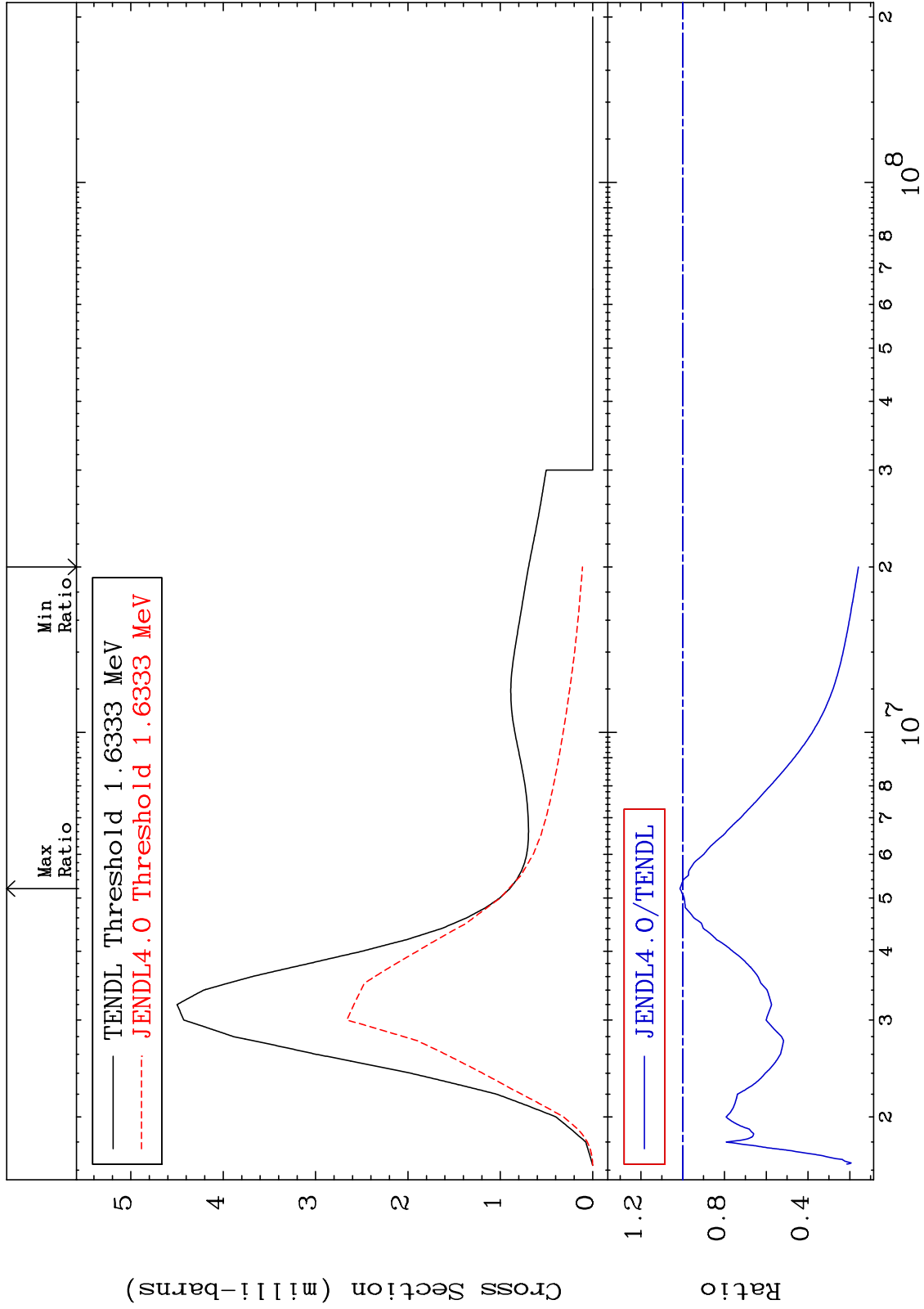
74-W -180
-91.74 To 39.89 %



MAT 7425

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

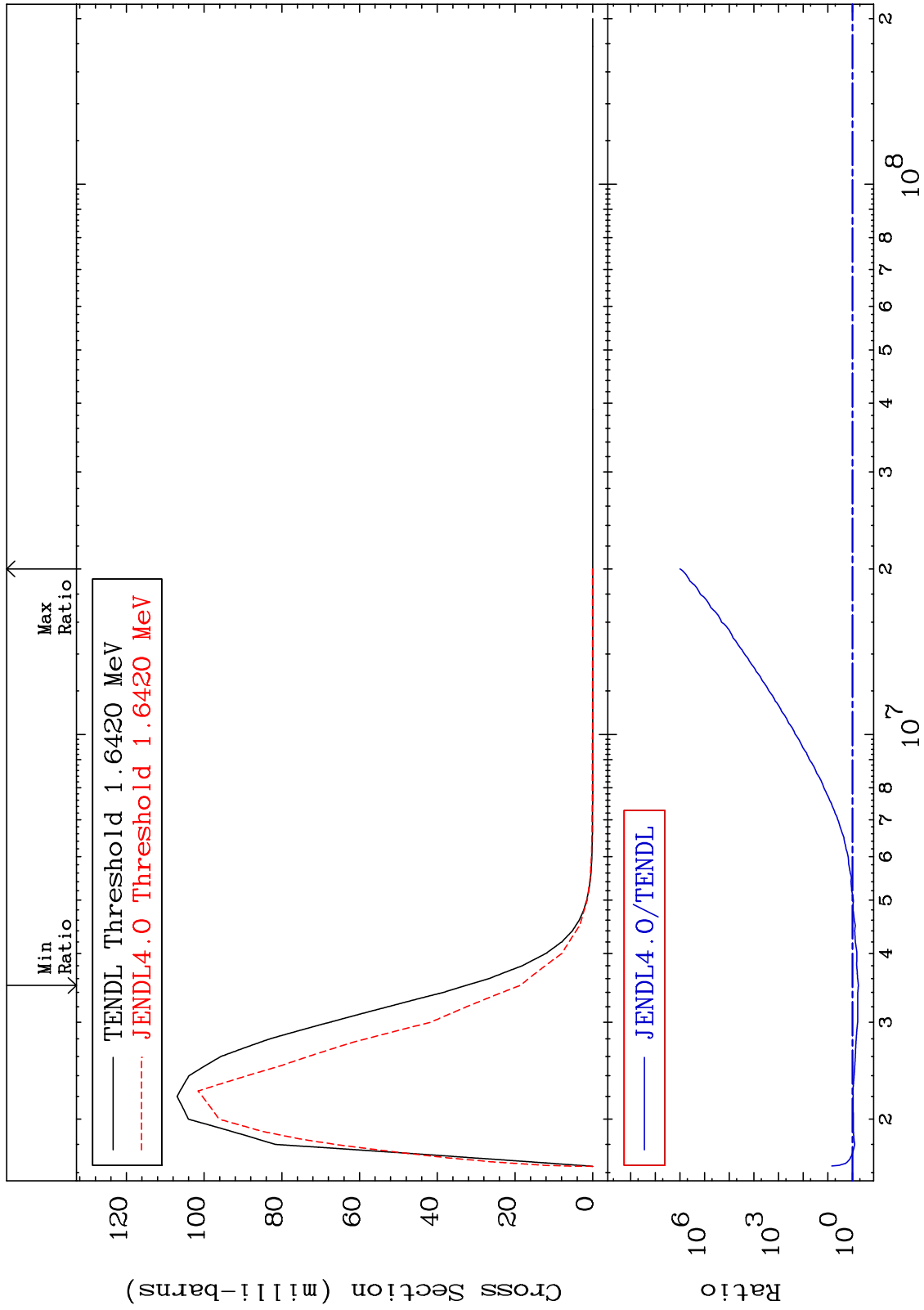
74-W -180
-84.15 To 1.294 %



MAT 7425

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

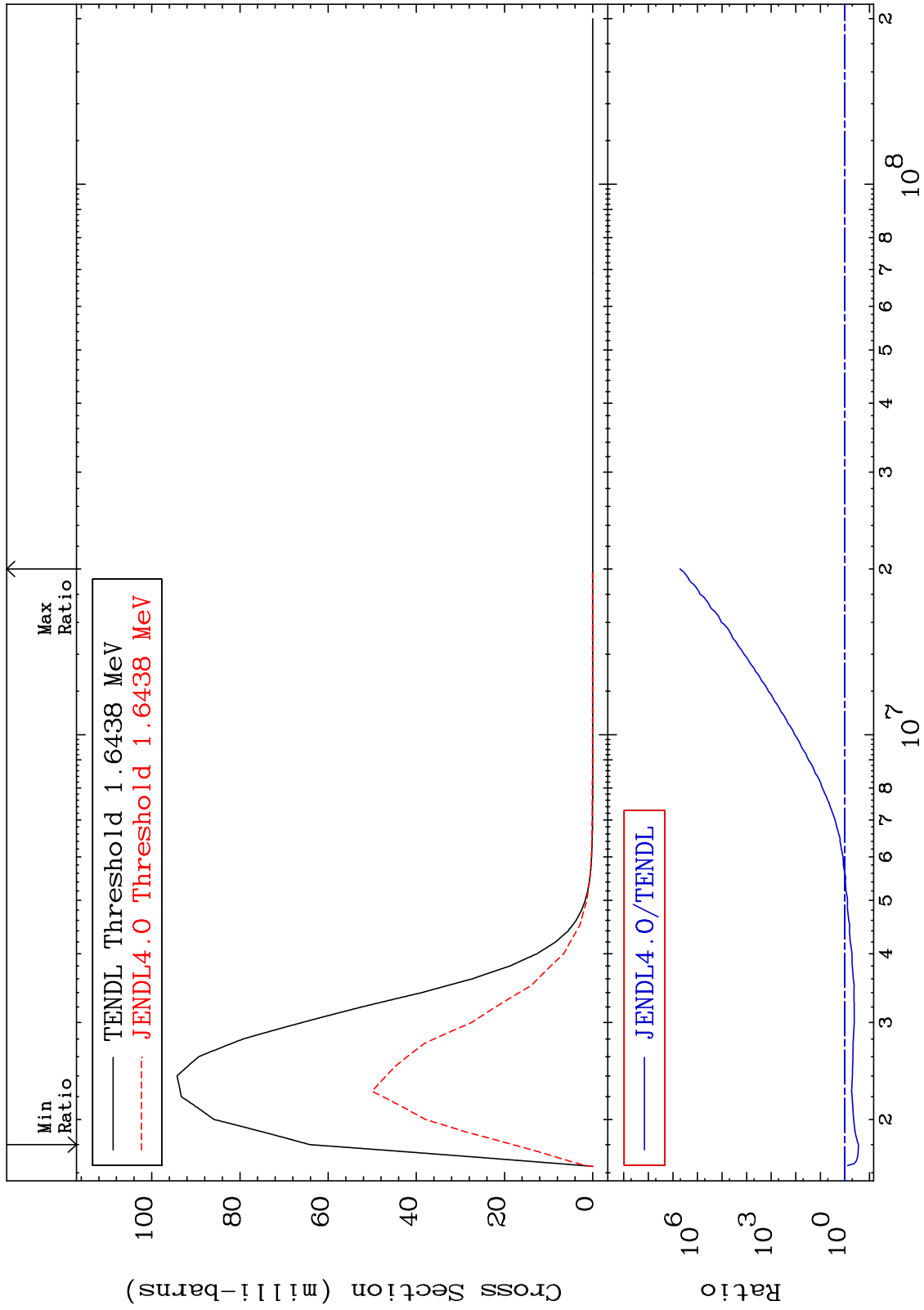
74-W -180
-42.74 To 9999. %



MAT 7425

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

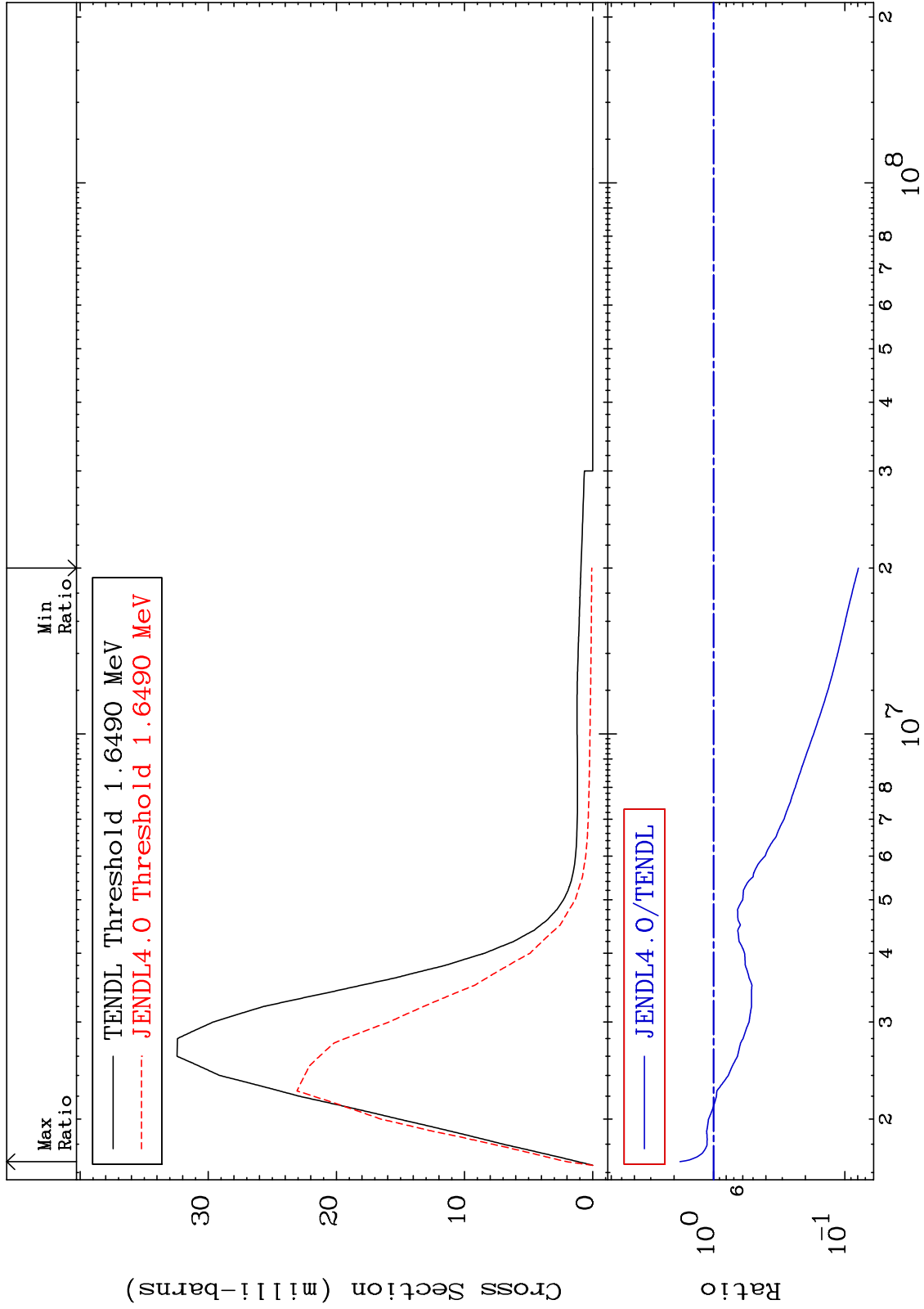
74-W -180
-71.74 To 9999. %



MAT 7425

MT= 74 (n,n') Level
Cross Section

74-W -180
-92.10 To 79.85 %



35

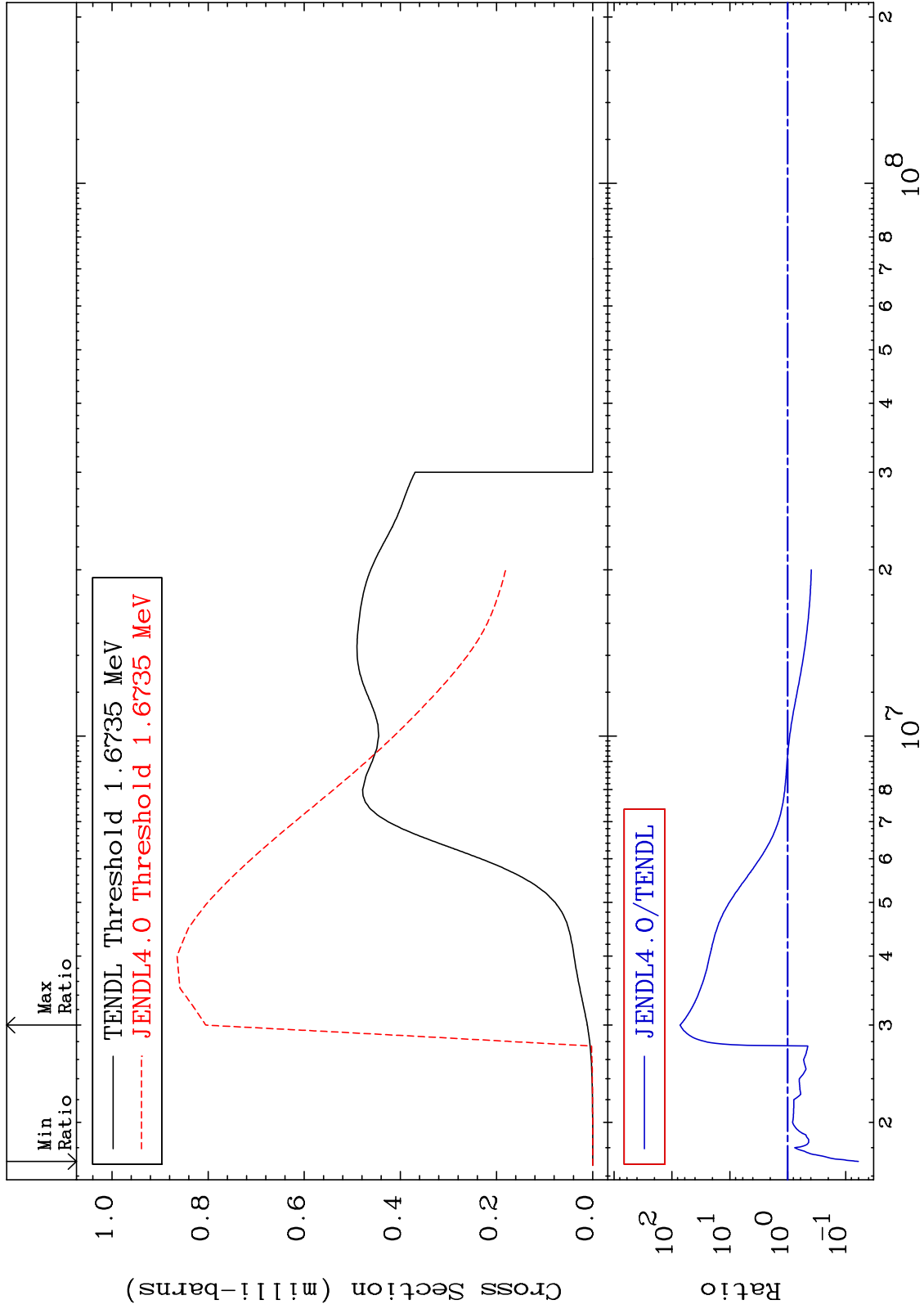
Incident Energy (eV)

74-W -180

MAT 7425

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

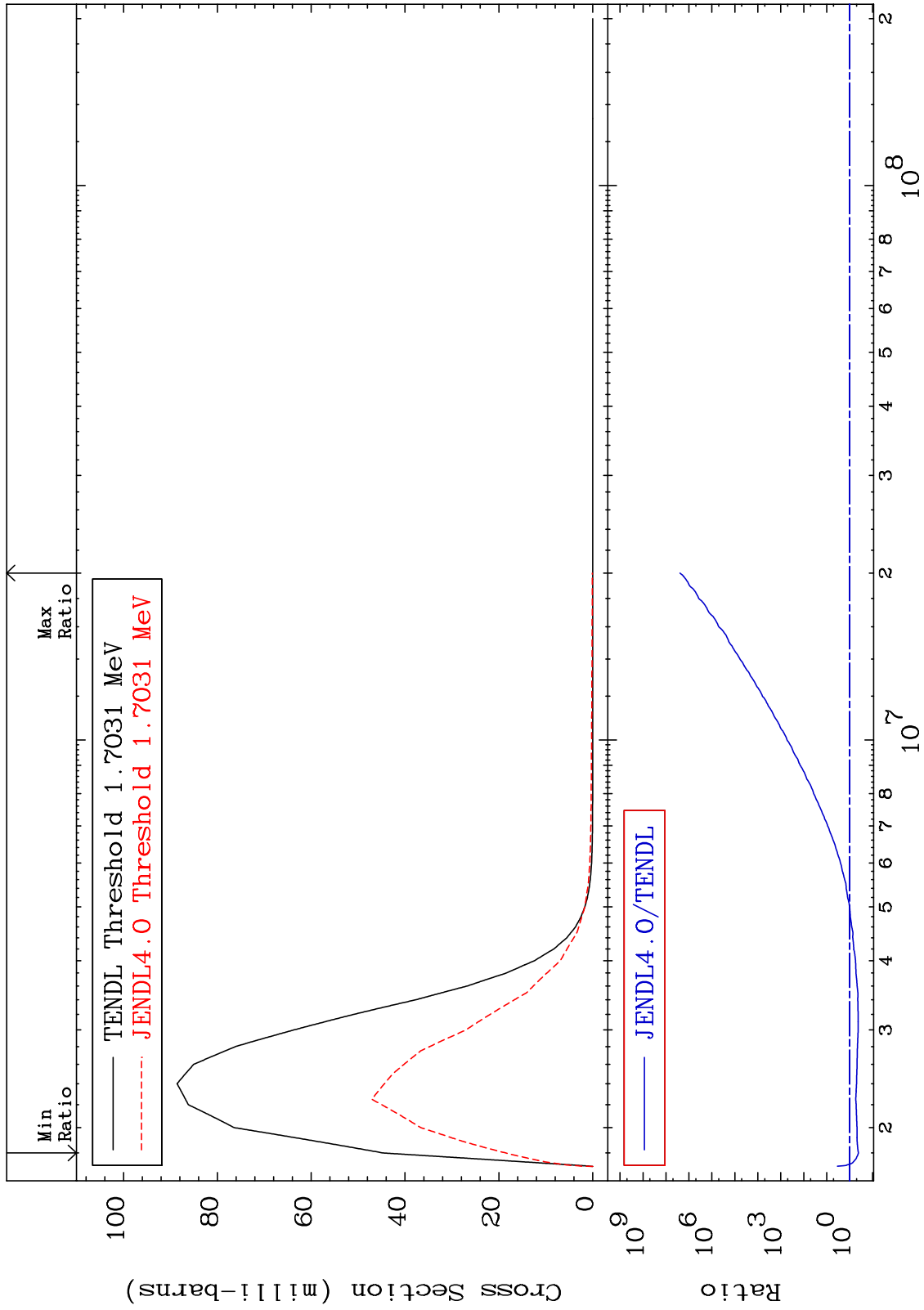
74-W -180
-93.97 To 7154. %



MAT 7425

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

74-W -180
-58.46 To 9999. %



37

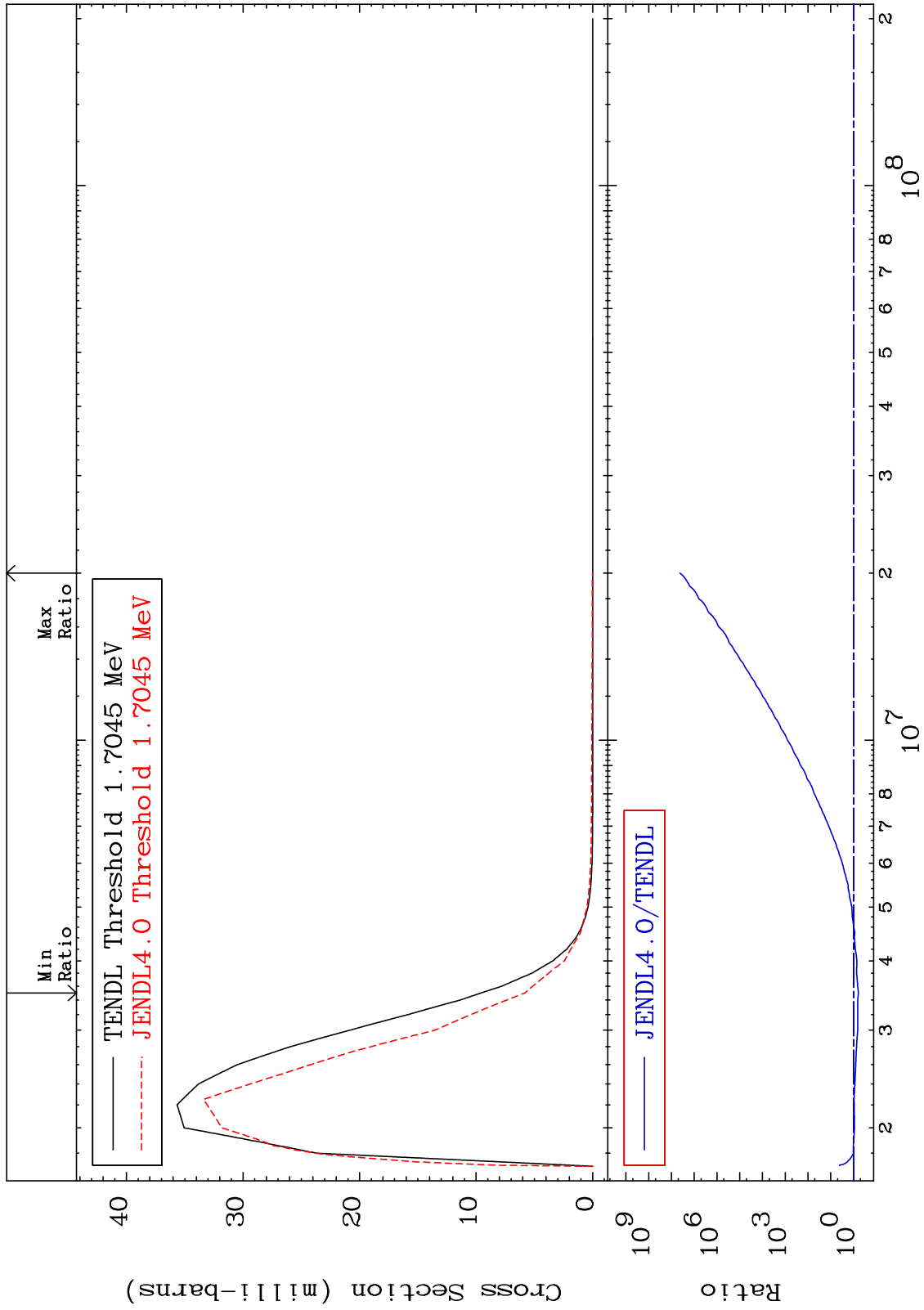
Incident Energy (eV)

74-W -180

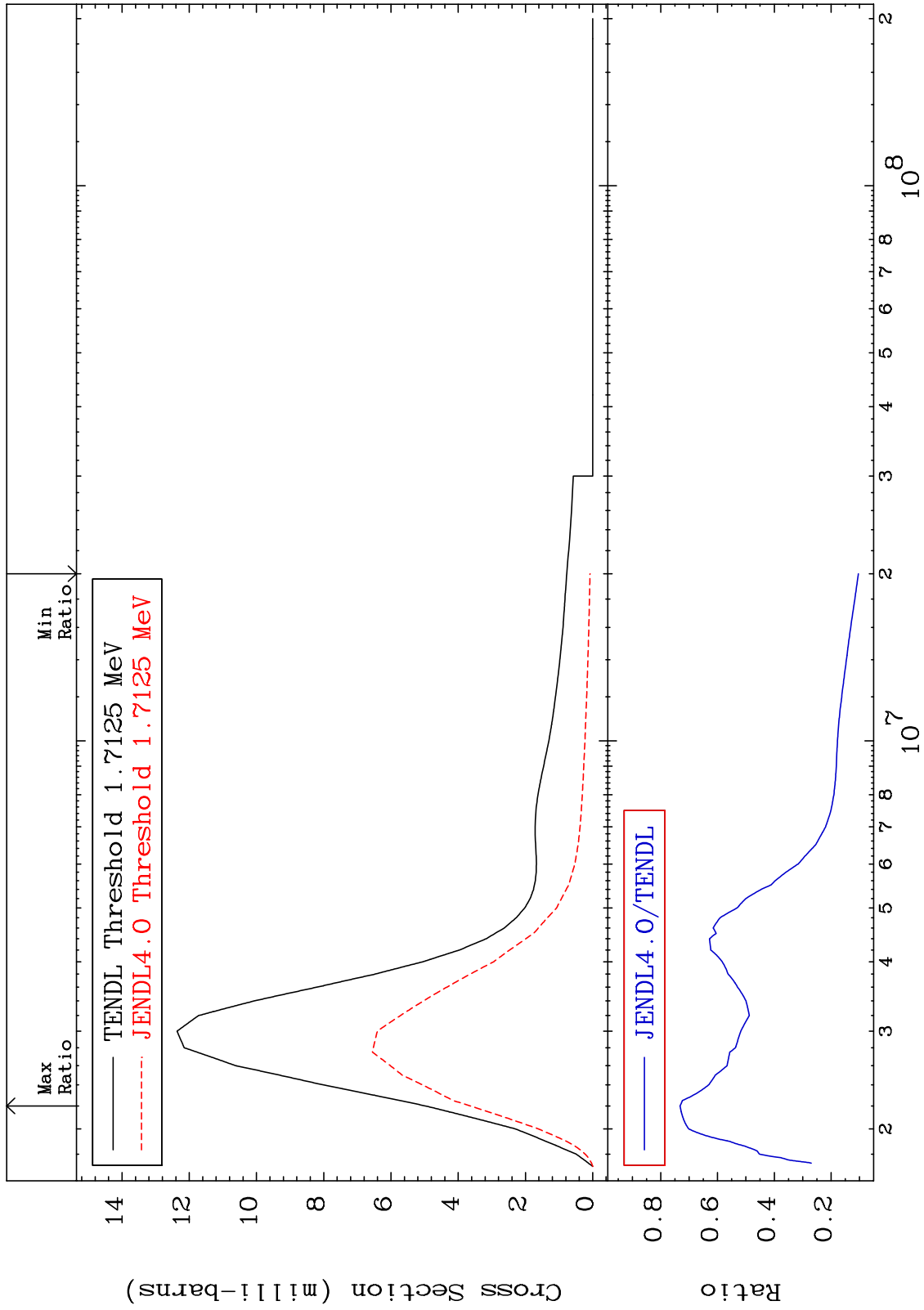
MAT 7425

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

74-W -180
-39.23 To 9999. %



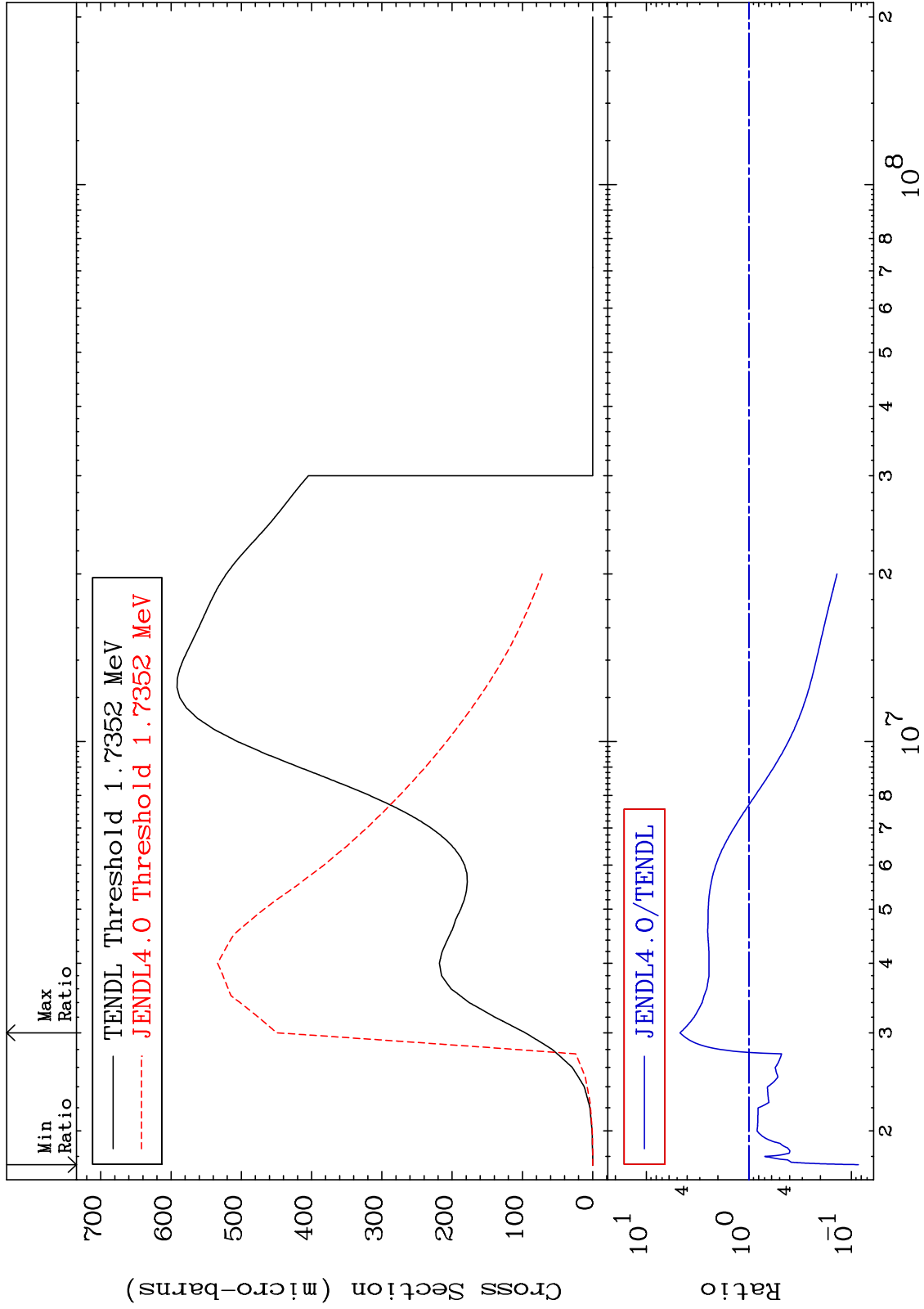
MAT 7425 MT= 78 (n,n') Level
 Cross Section 74-W -180
 -89.65 To -26.78%



MAT 7425

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

74-W -180
-91.48 To 368.7 %

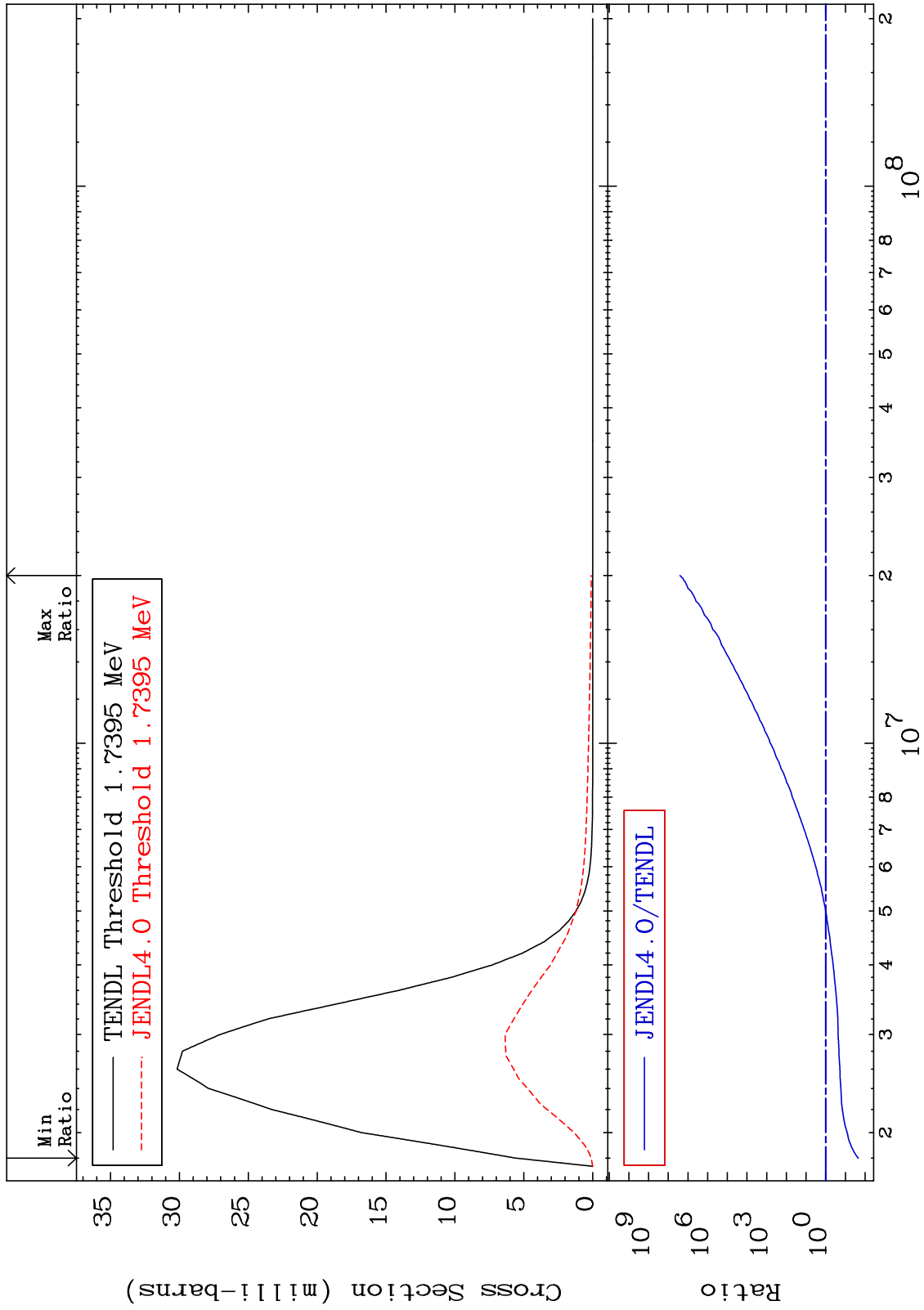


40

Incident Energy (eV)

74-W -180

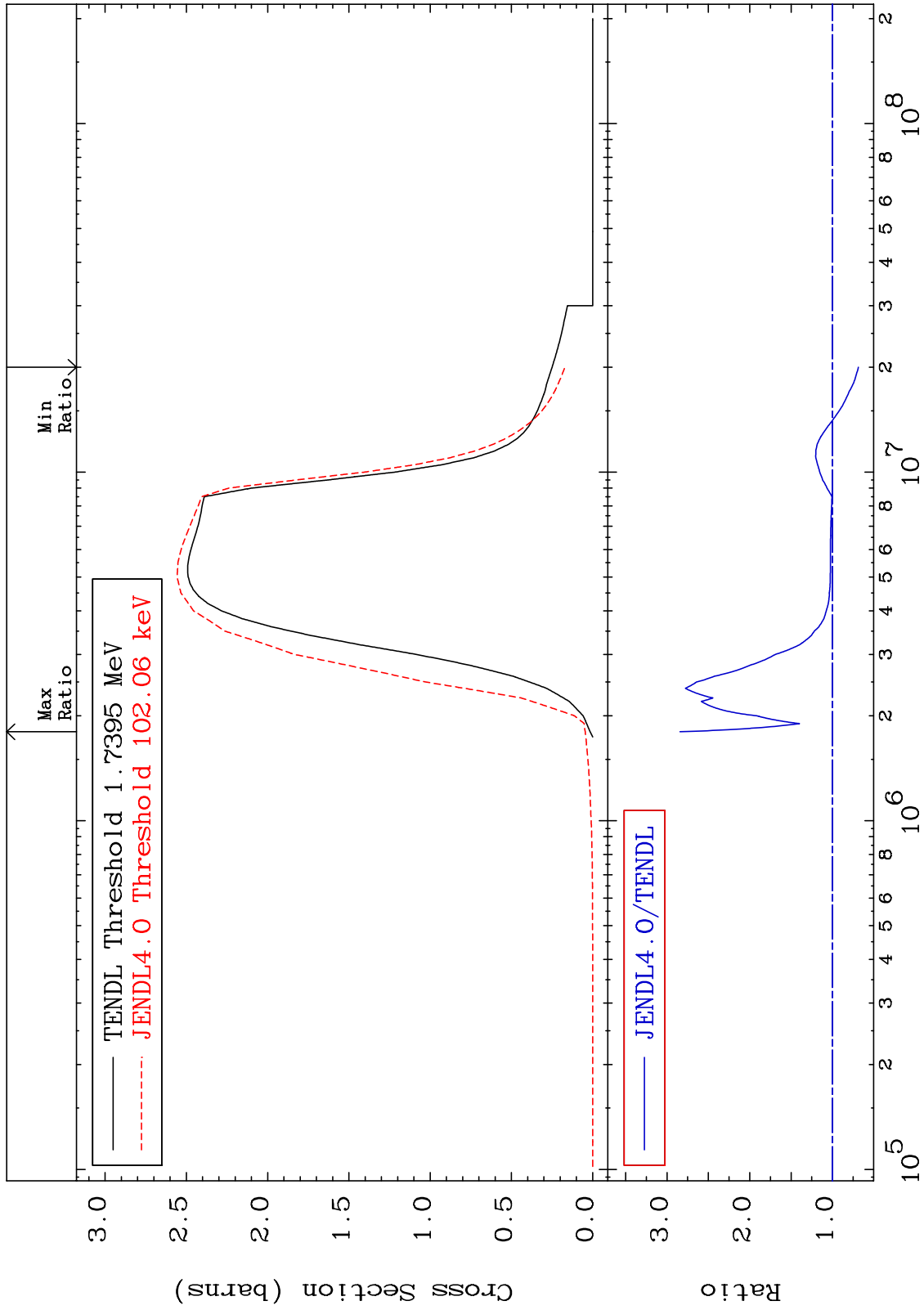
MAT 7425 MT= 80 (n,n') Level Cross Section -97.81 To 9999. % 74-W -180



MAT 7425

(n,n') Continuum
Cross Section

74-W -180
-31.35 To 184.3 %



Incident Energy (eV)

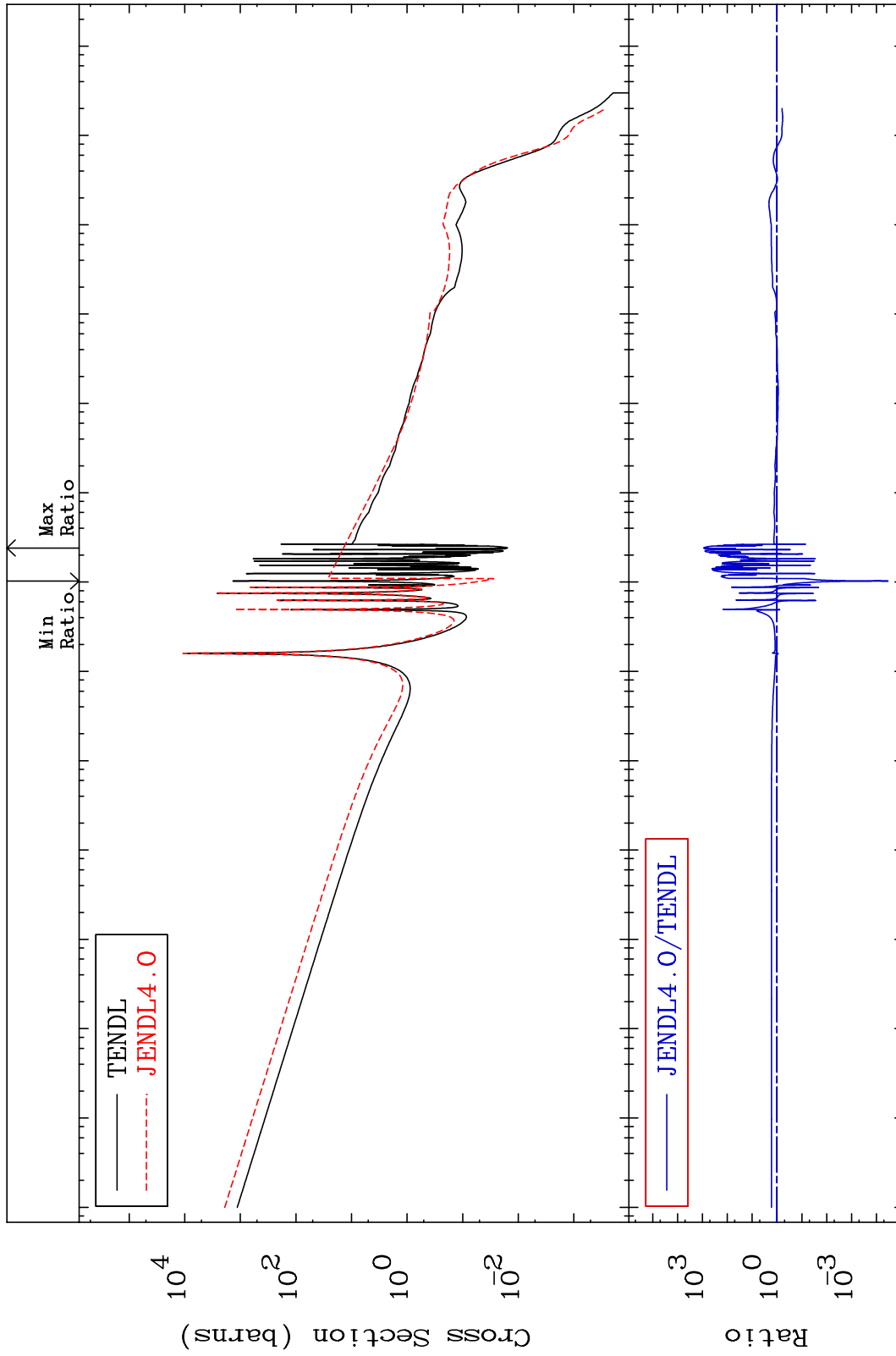
74-W -180

42

MAT 7425

(n, γ)
Cross Section

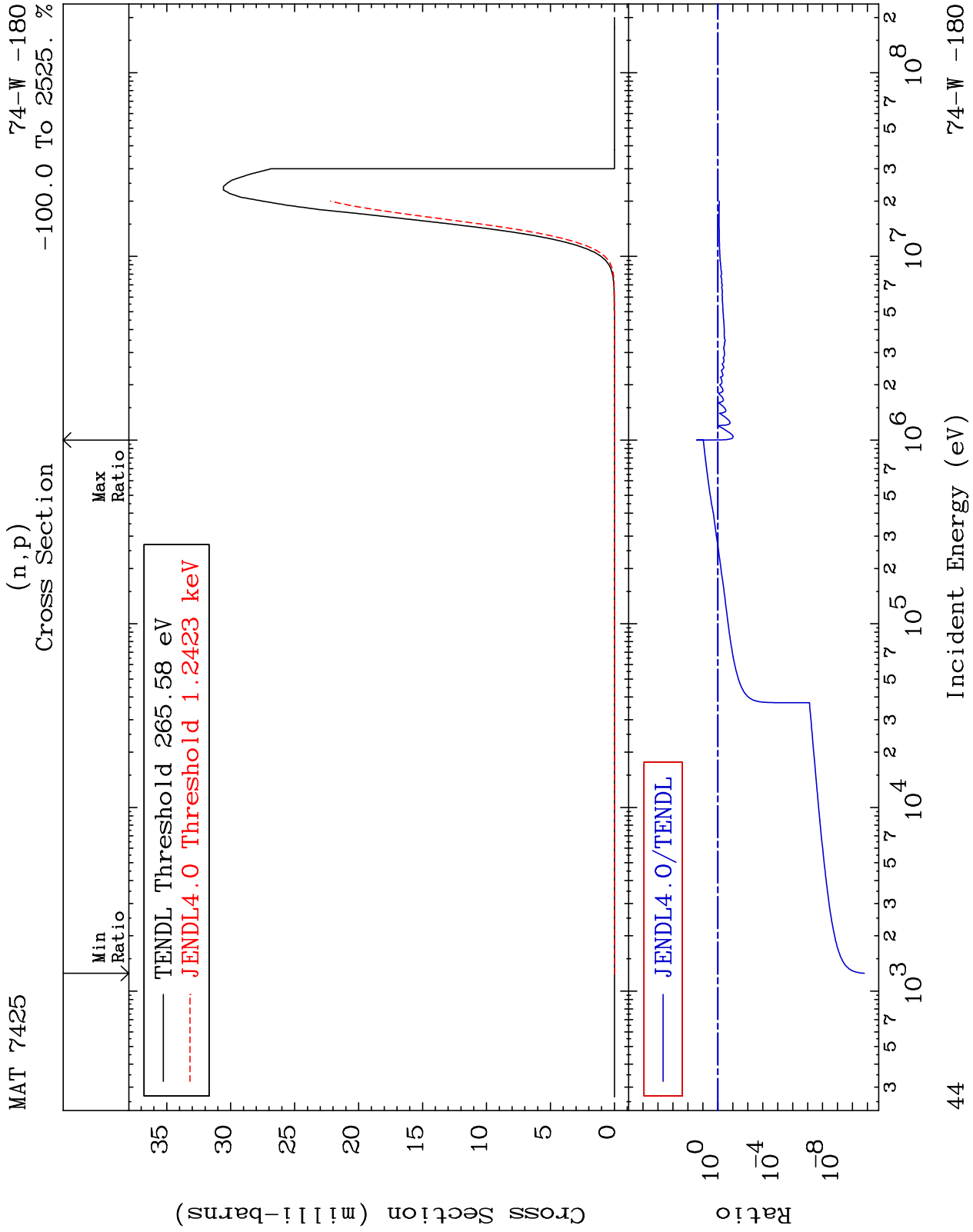
74-W -180
-100.0 To 9999. %



43

Incident Energy (eV)

74-W -180



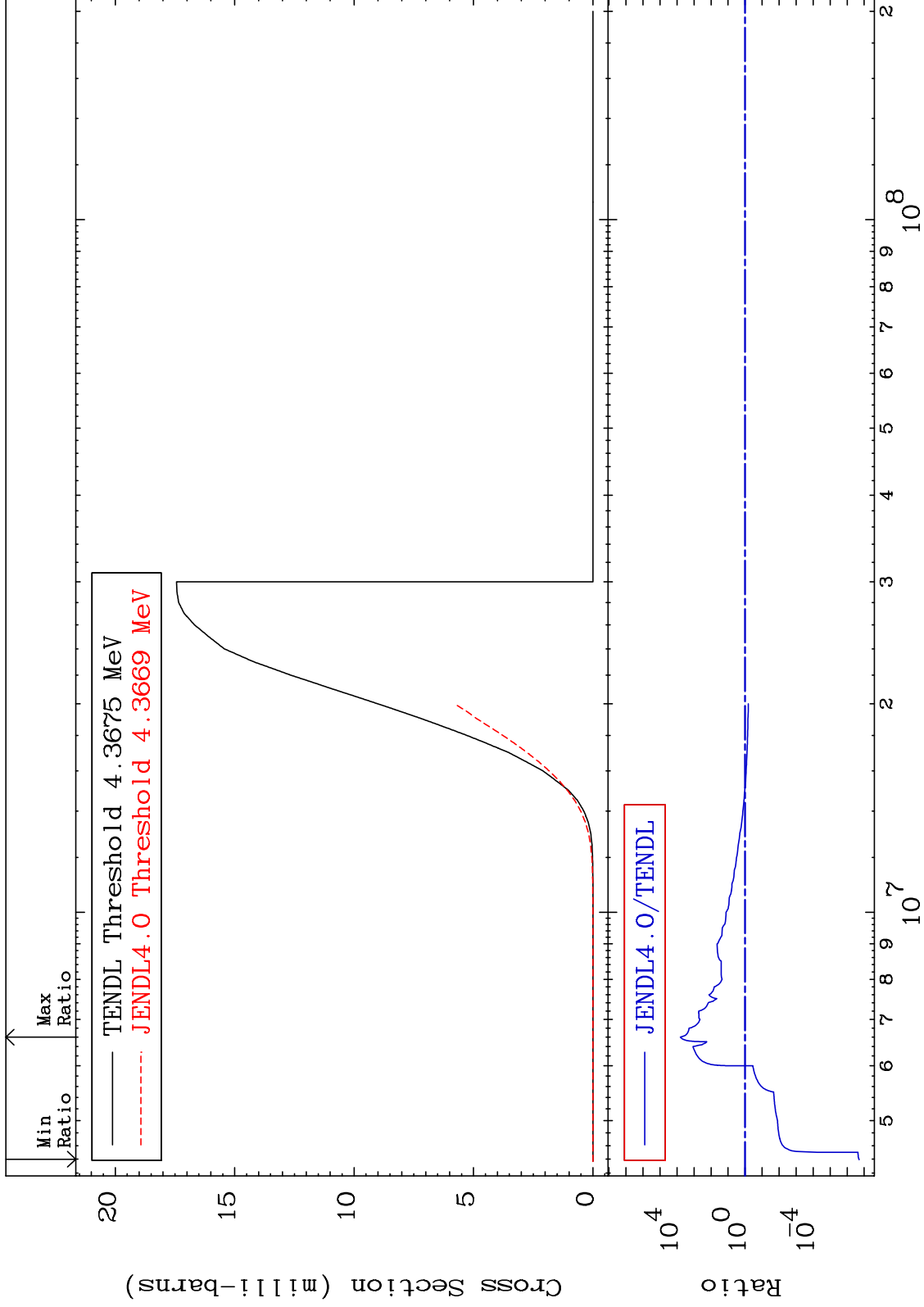
MAT 7425

(n, d)

74-W -180

Cross Section

-100.0 To 9999. %

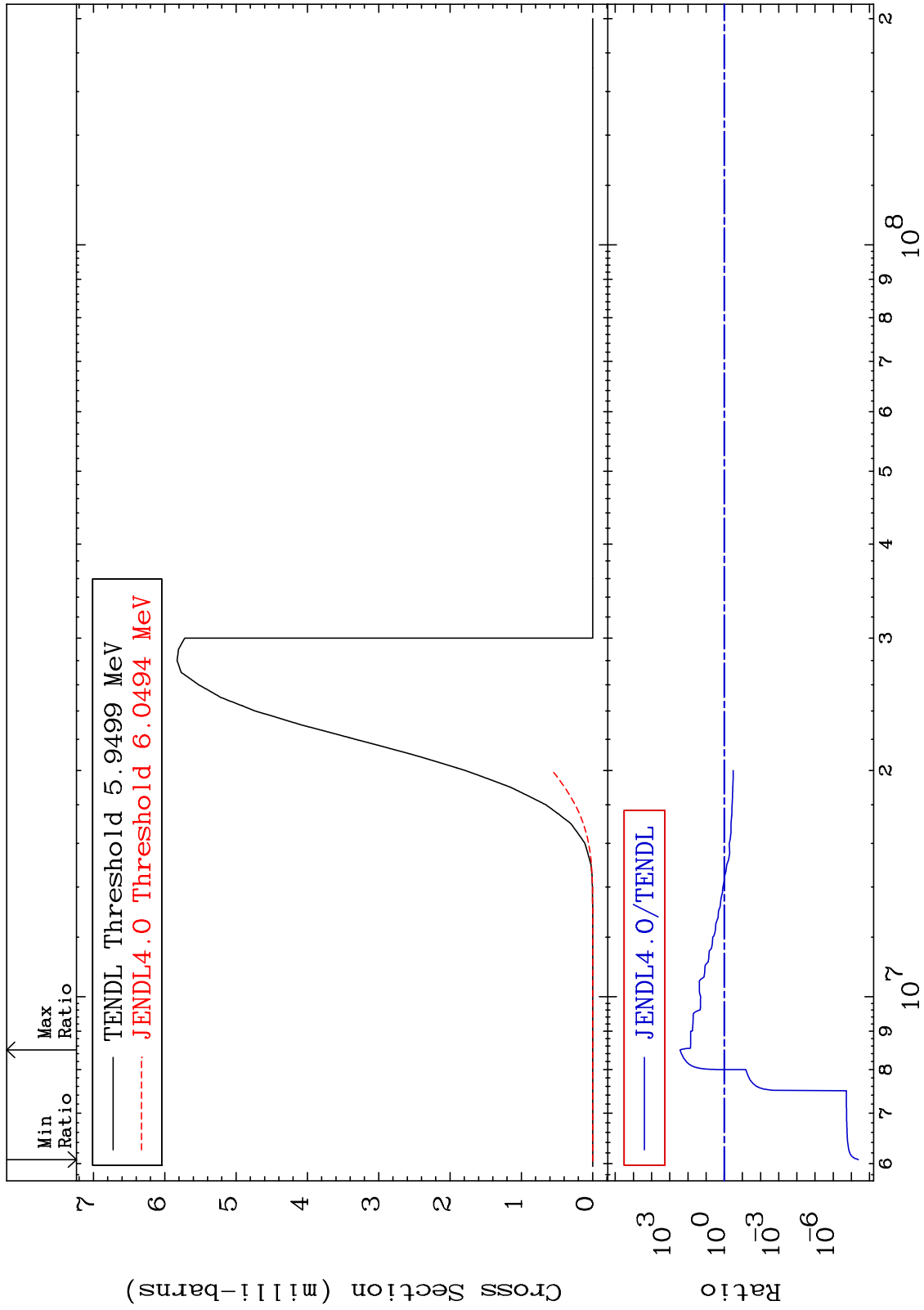


45

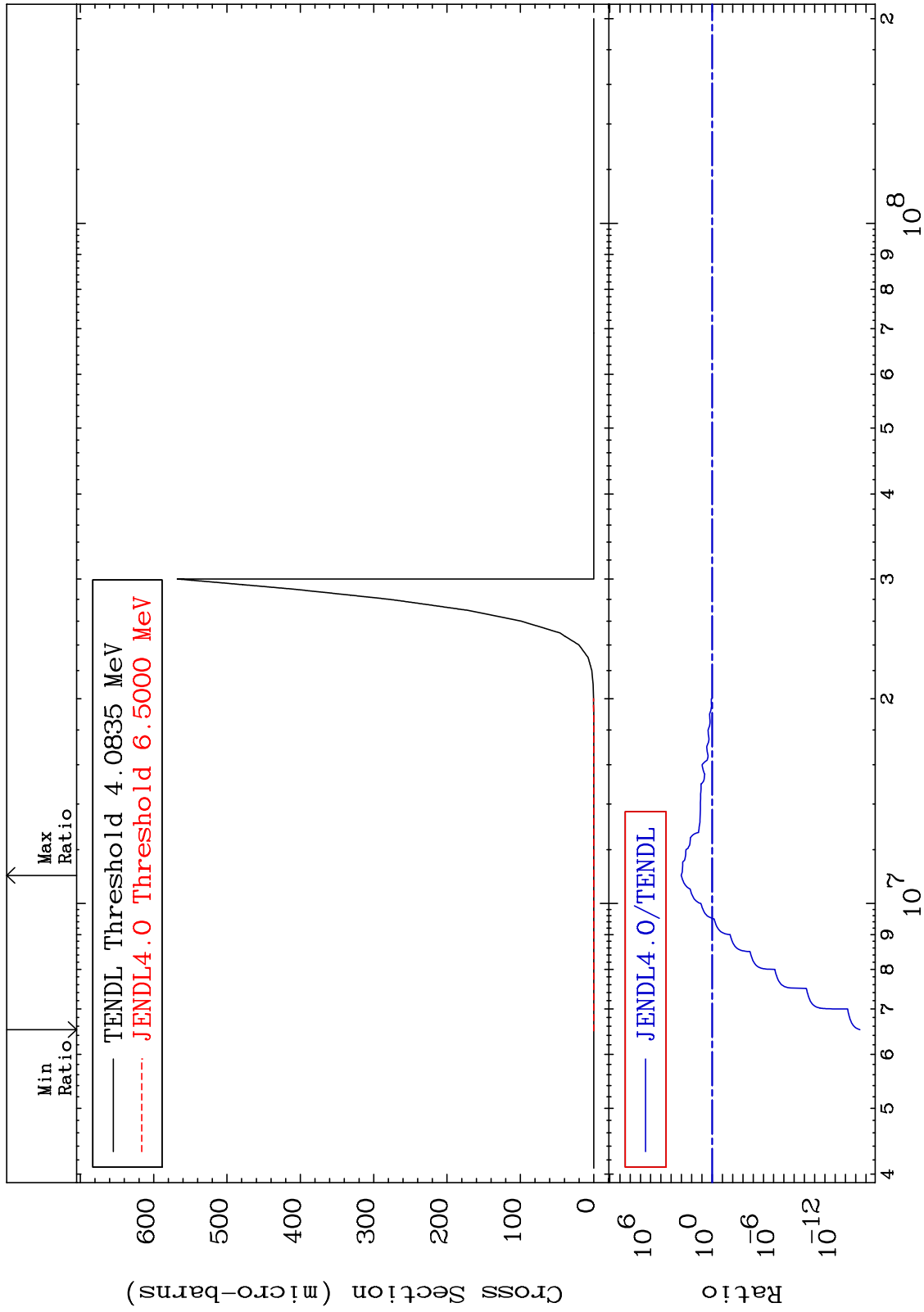
Incident Energy (eV)

74-W -180

MAT 7425 (n, t) Cross Section 74-W -180 -100.0 To 9999. %



MAT 7425 (n, He-3) 74-W -180
Cross Section -100.0 To 9999. %



47 74-W -180

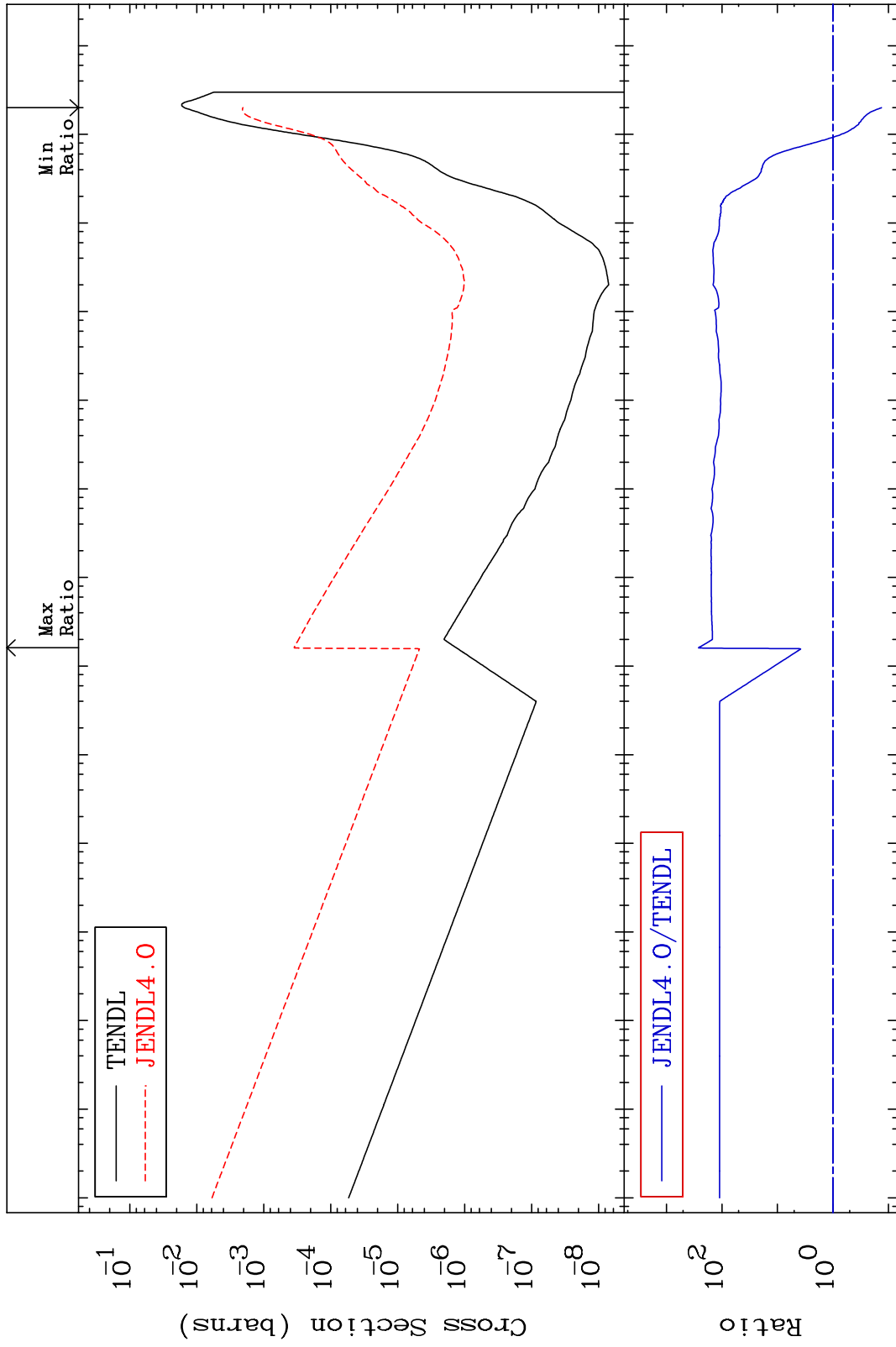
MAT 7425

(n, α)

74-W -180

Cross Section

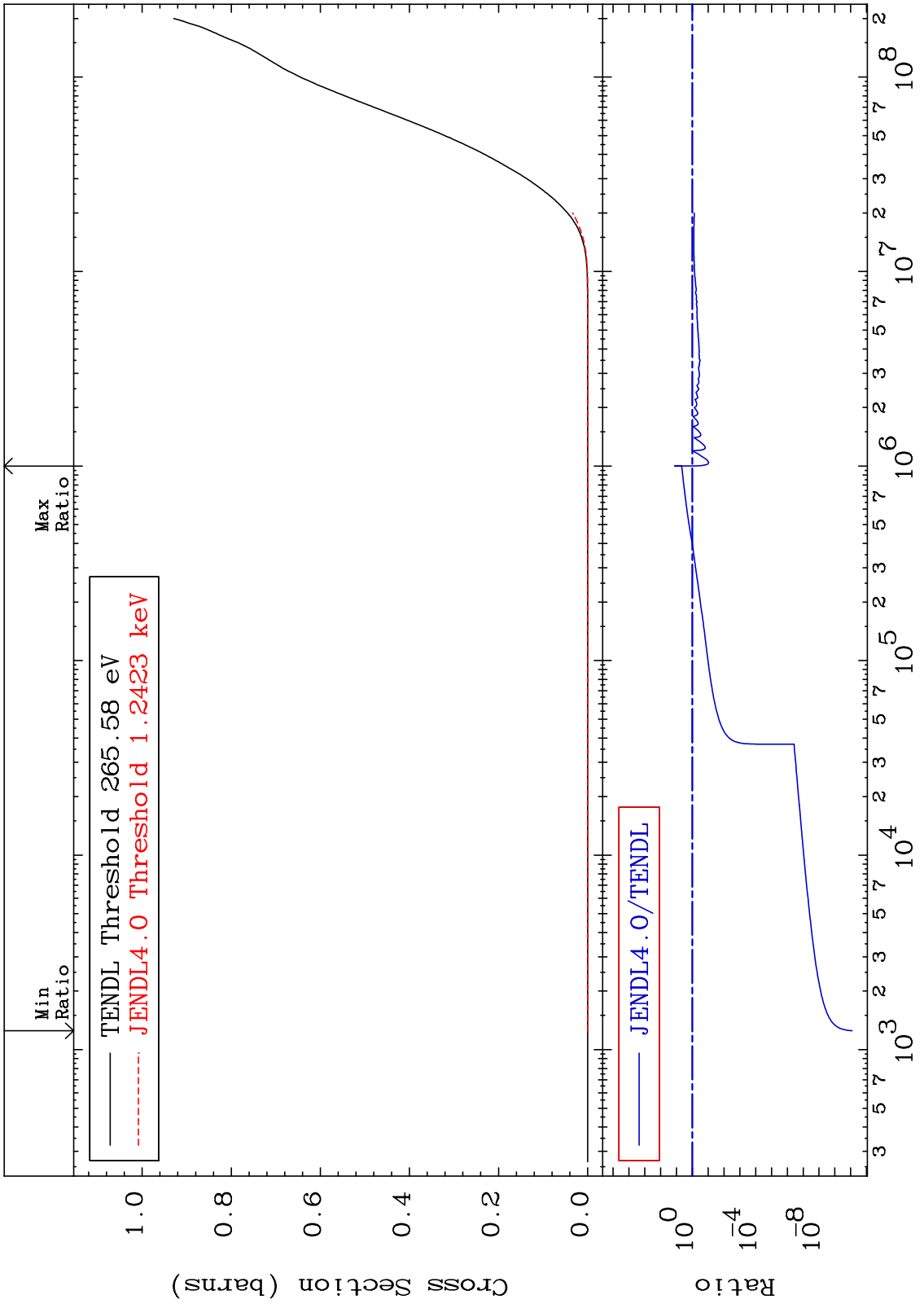
-86.70 To 9999. %



MAT 7425

Hydrogen Production Cross Section

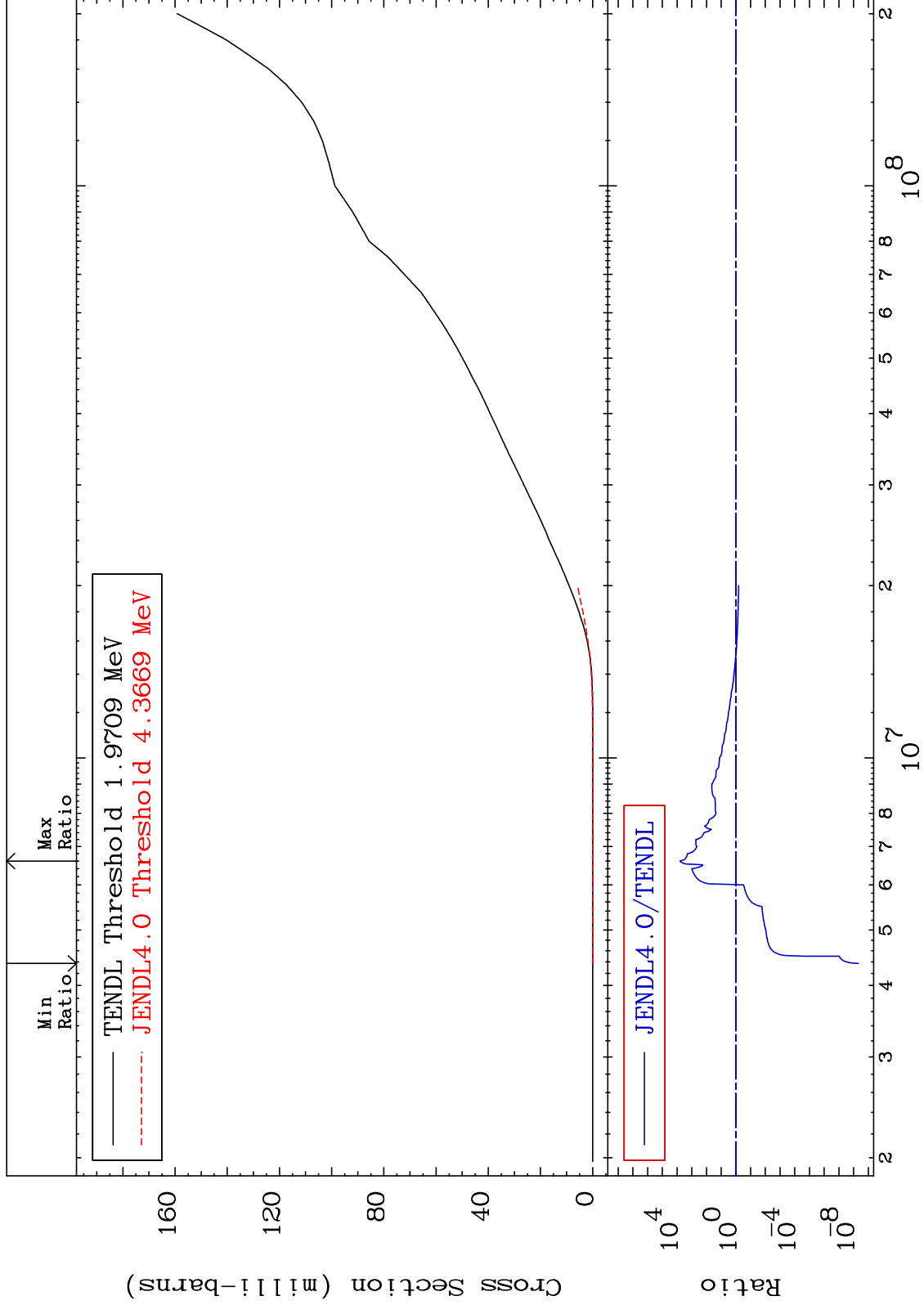
74-W -180
-100.0 To 1212. %



MAT 7425

Deuterium Production Cross Section

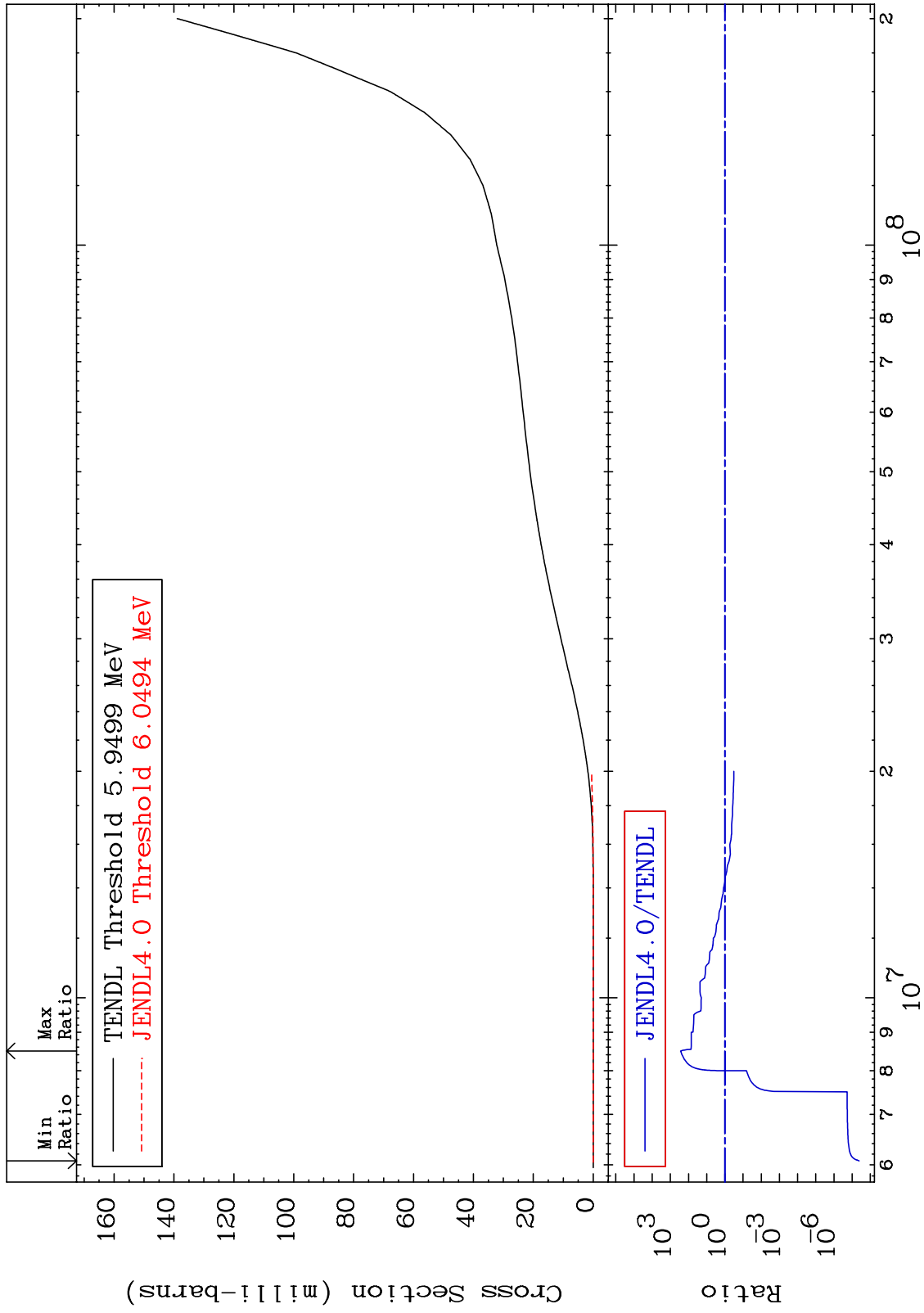
74-W -180
-100.0 To 9999. %

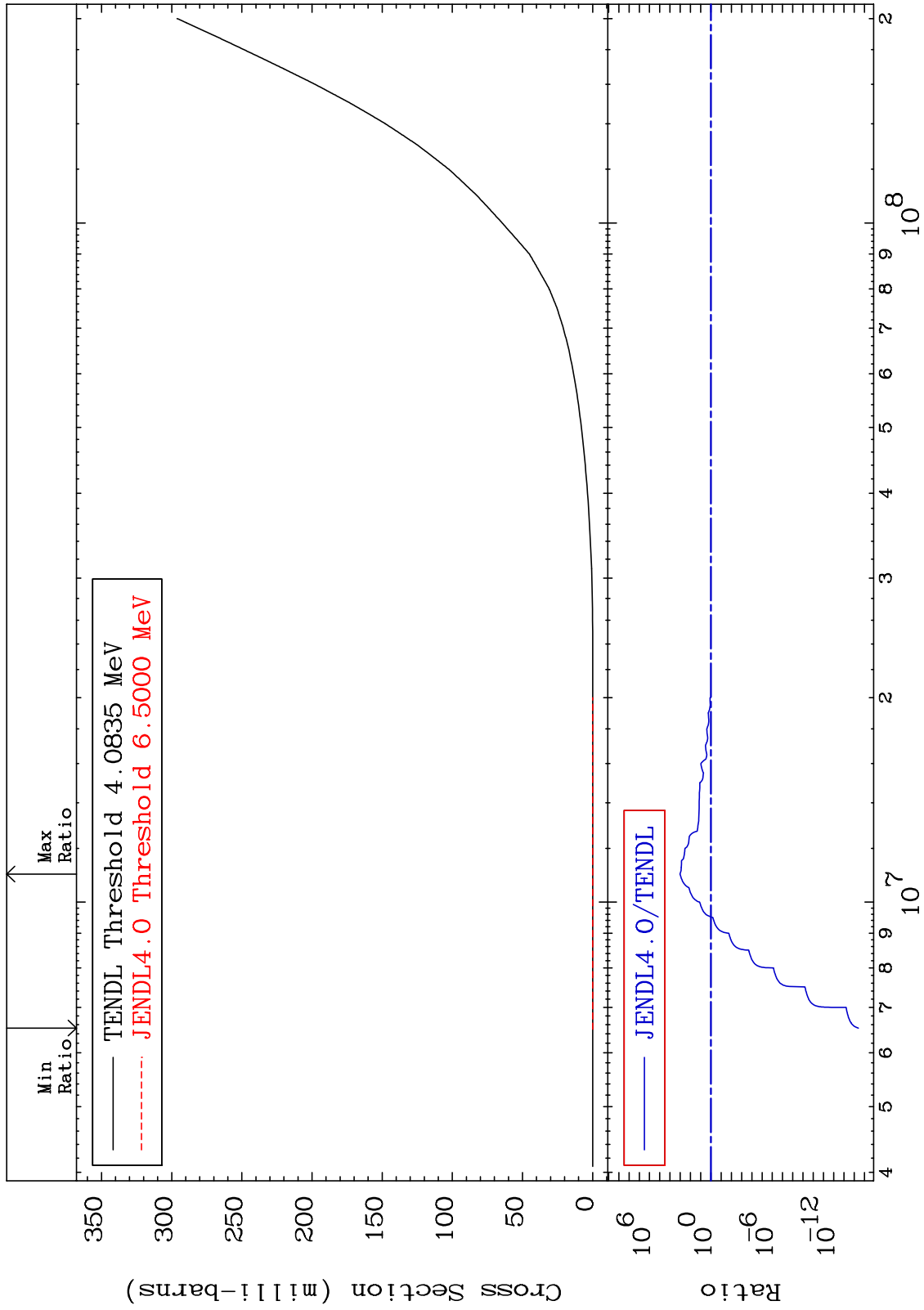


50

Incident Energy (eV)

74-W -180

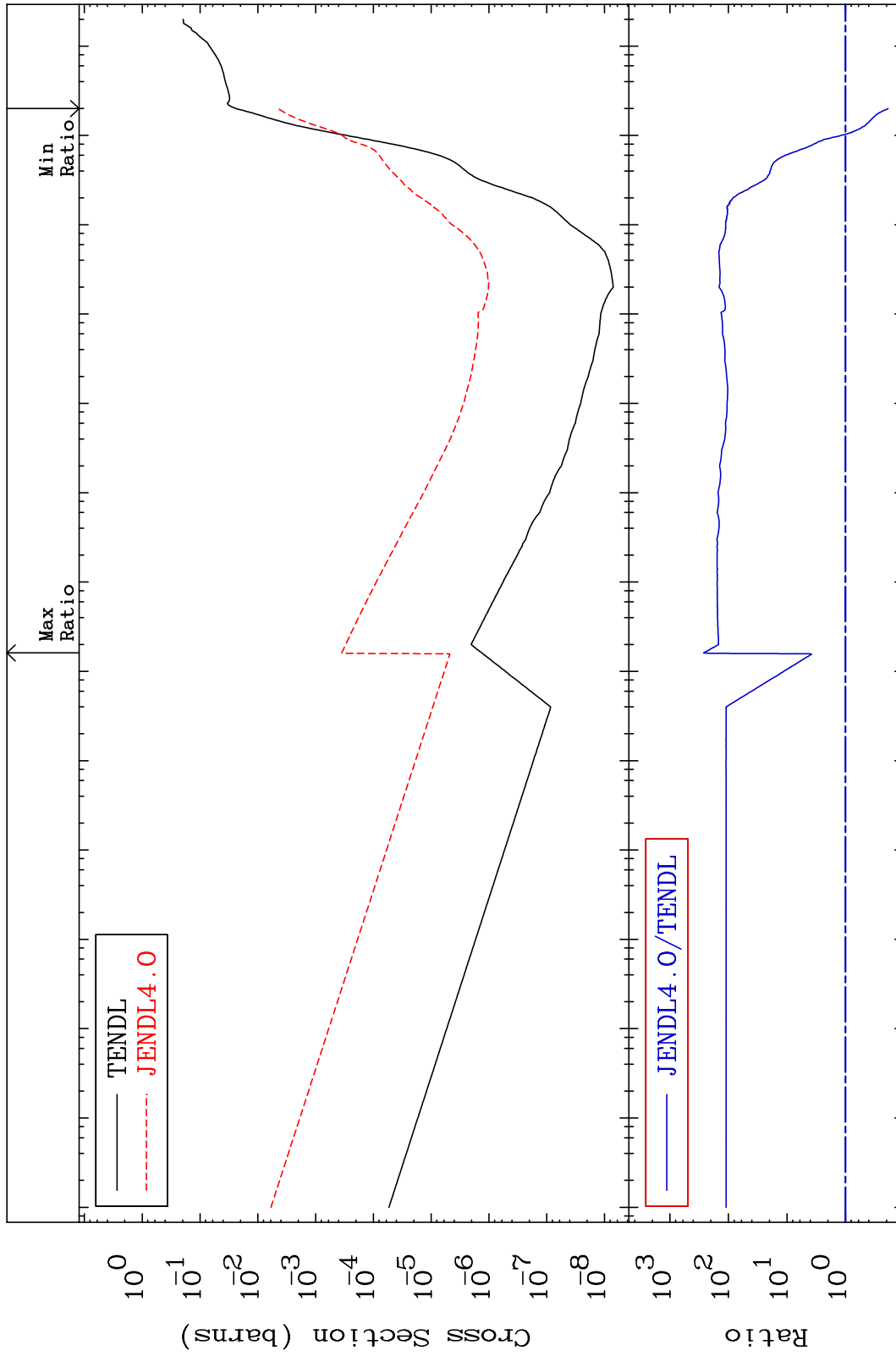




MAT 7425

He-4 Production
Cross Section

74-W -180
-81.32 To 9999. %



53

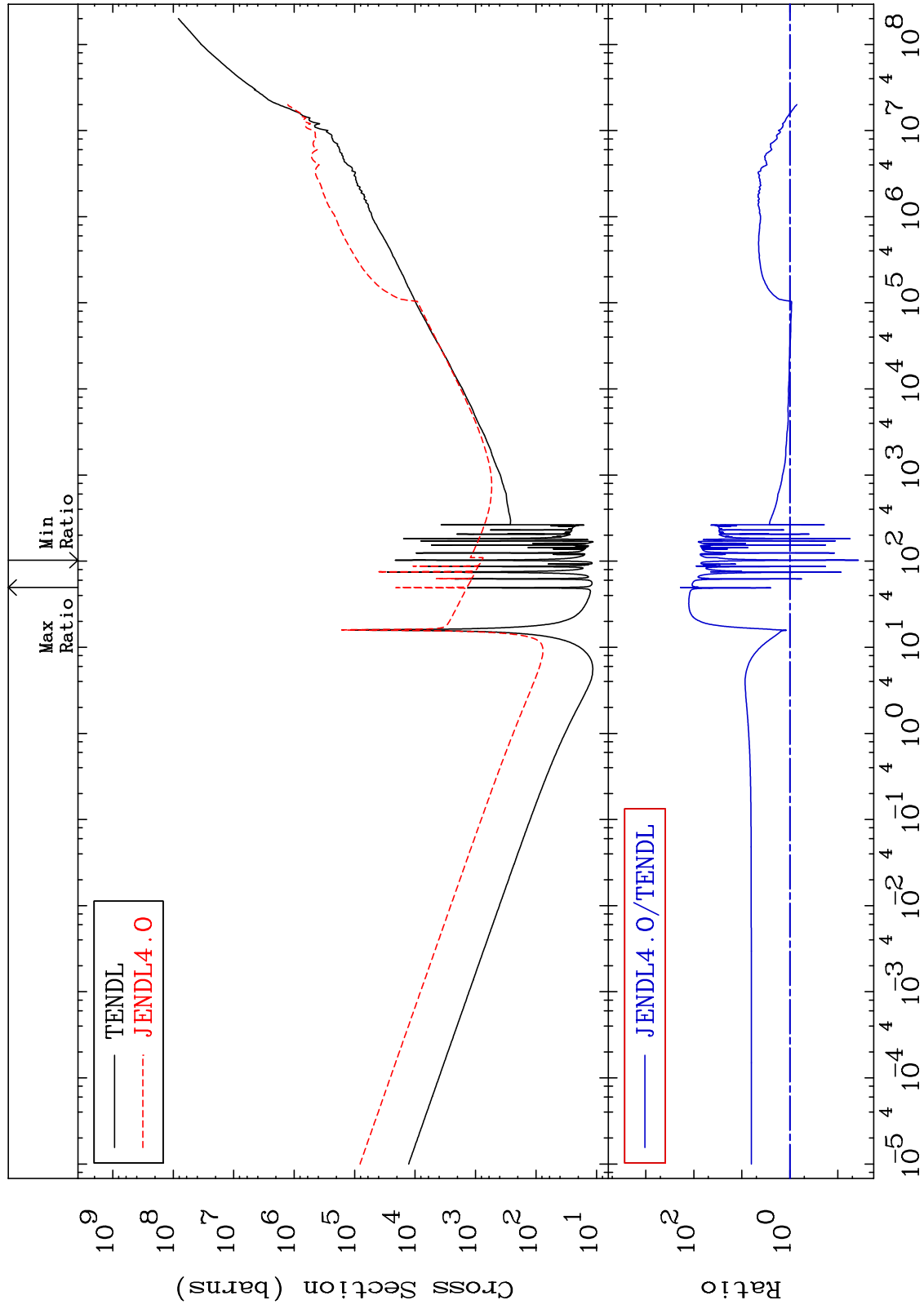
Incident Energy (eV)

74-W -180

MAT 7425

Kerma total (eV-barns)
Cross Section

74-W -180
-96.29 To 9999. %



54

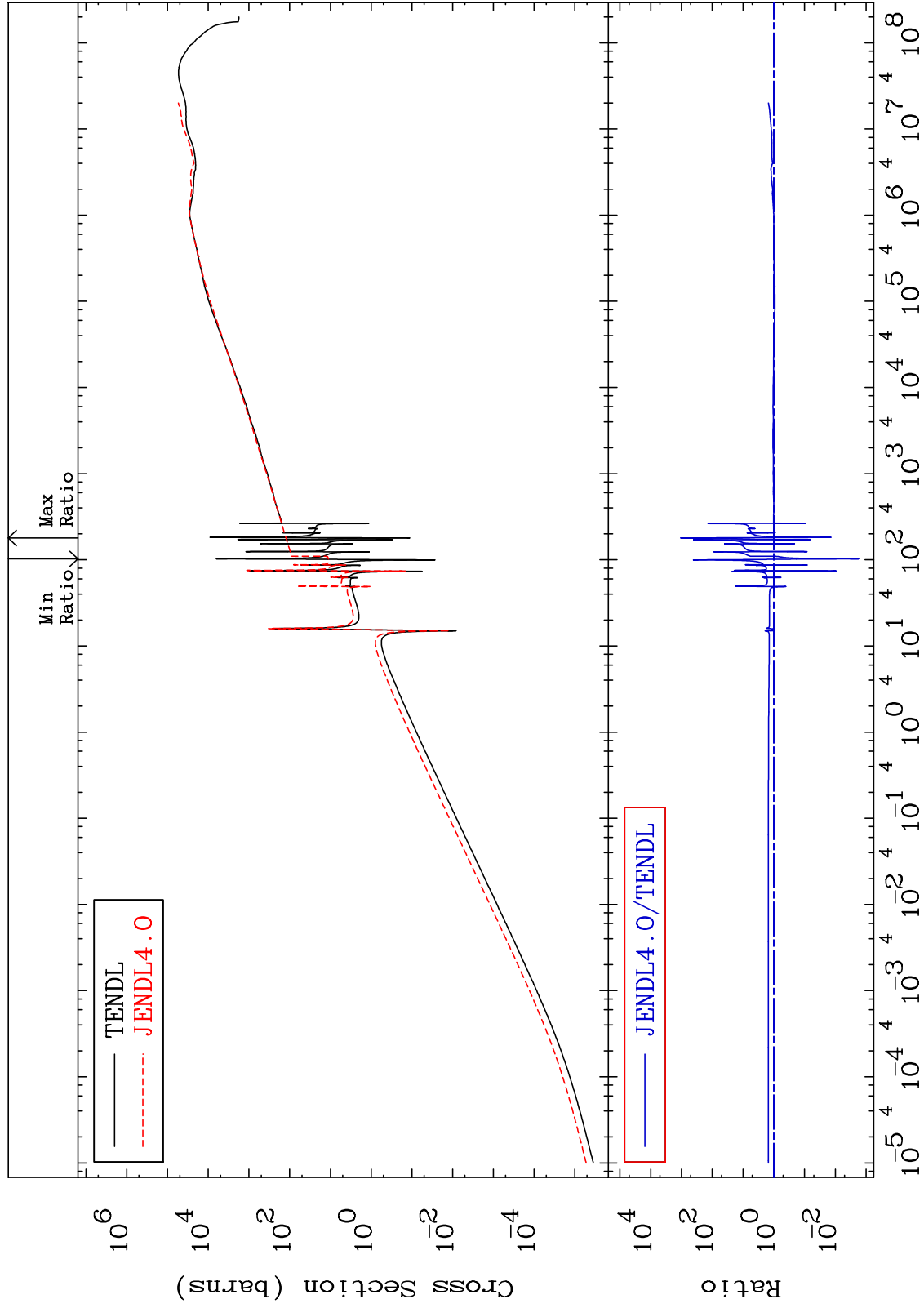
Incident Energy (eV)

74-W -180

MAT 7425

Kerma elastic
Cross Section

74-W -180
-99.82 To 9999. %



55

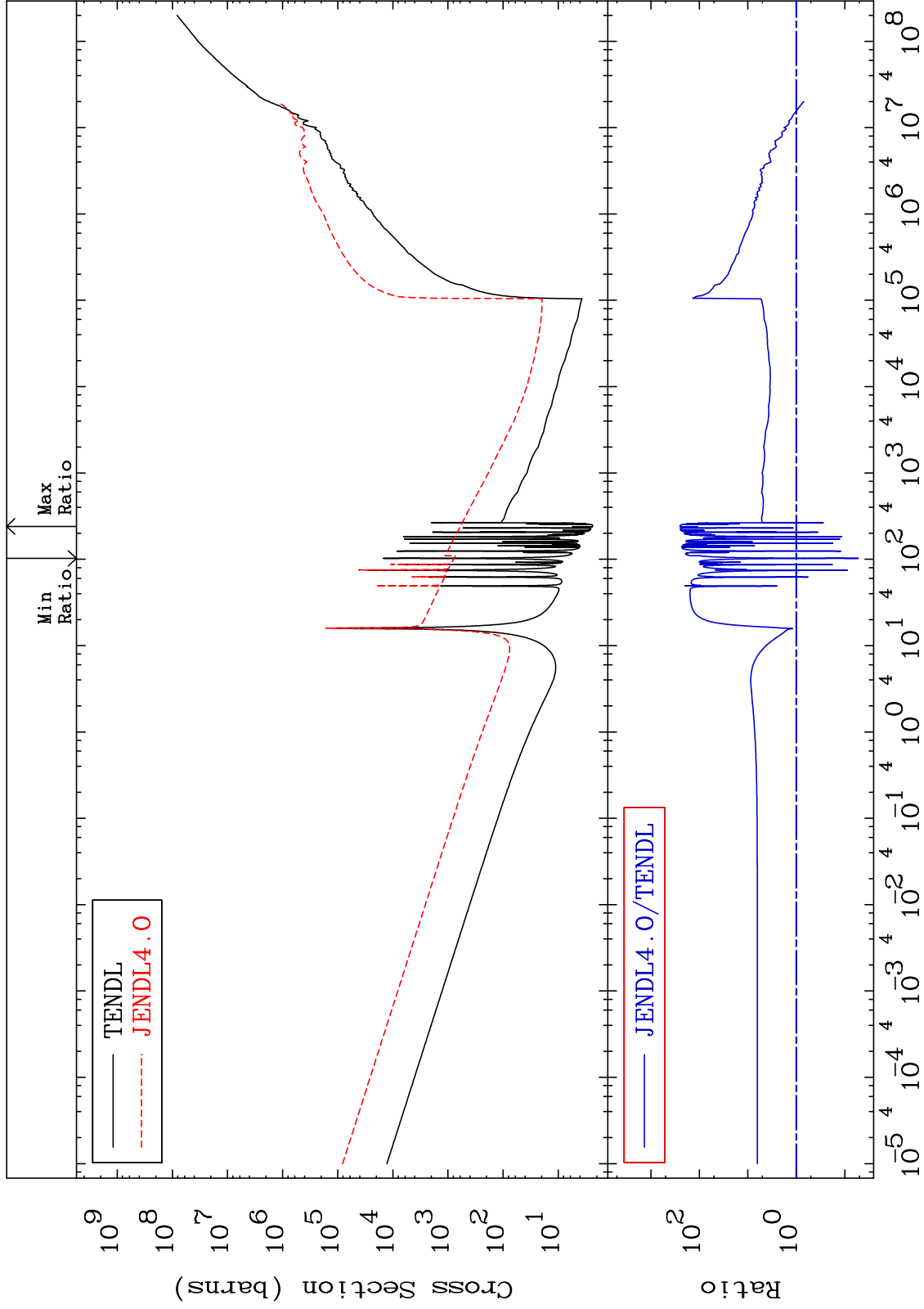
Incident Energy (eV)

74-W -180

MAT 7425

Kerma non-elastic (all but mt2)
Cross Section

74-W -180
-94.77 To 9999. %



56

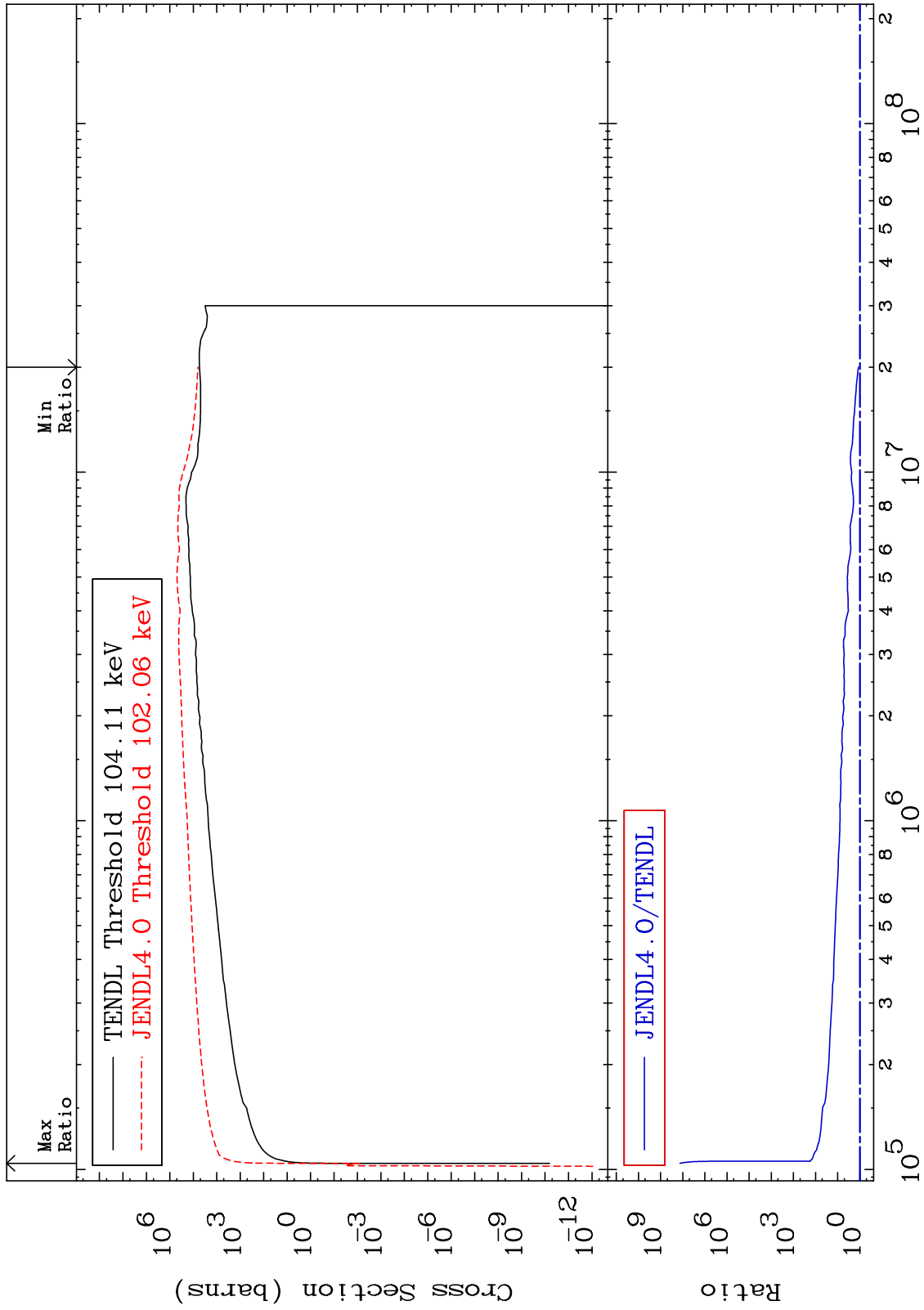
Incident Energy (eV)

74-W -180

MAT 7425

Kerma inelastic (mt51-91)
Cross Section

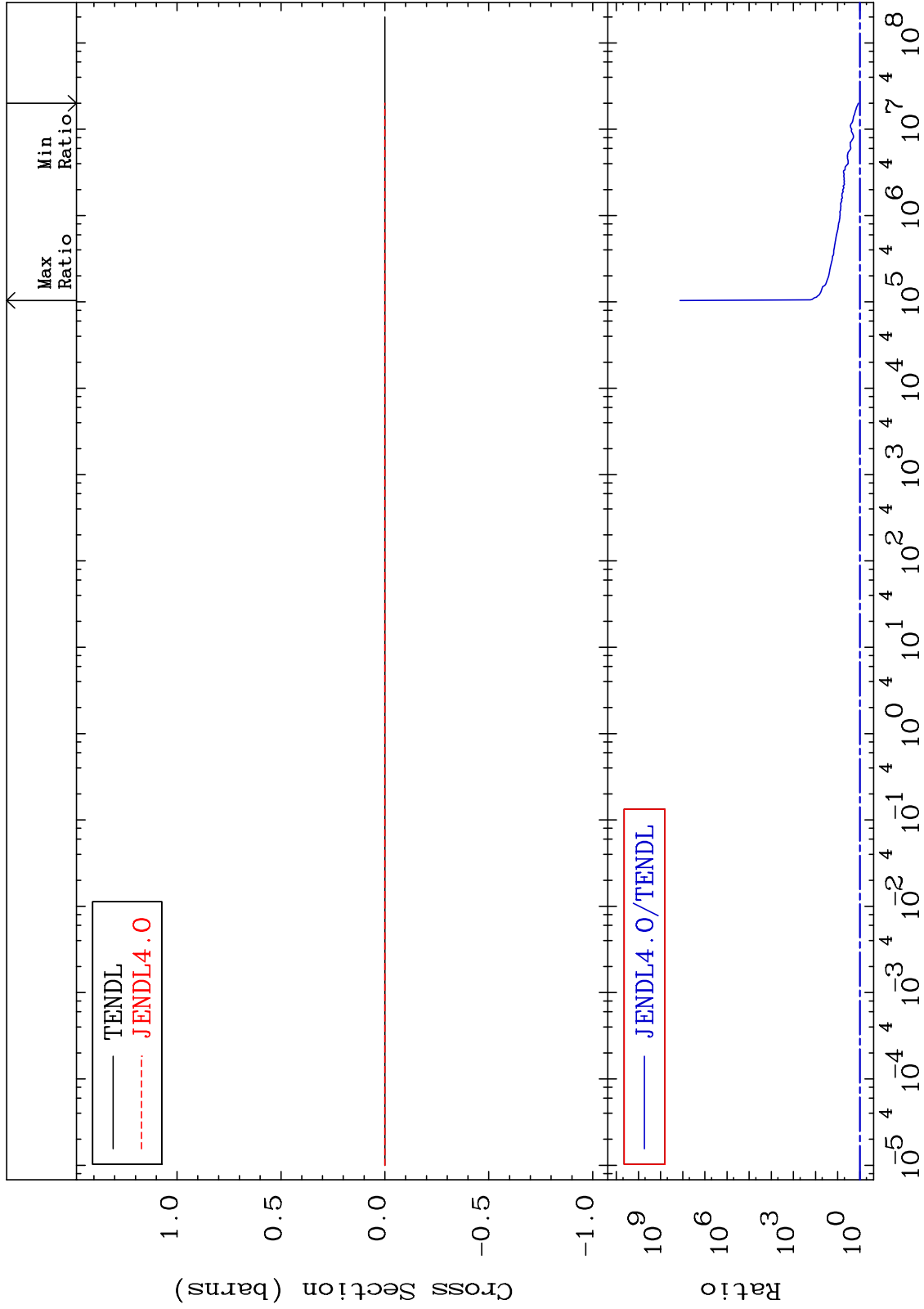
74-W -180
16.30 To 9999. %



57

Incident Energy (eV)

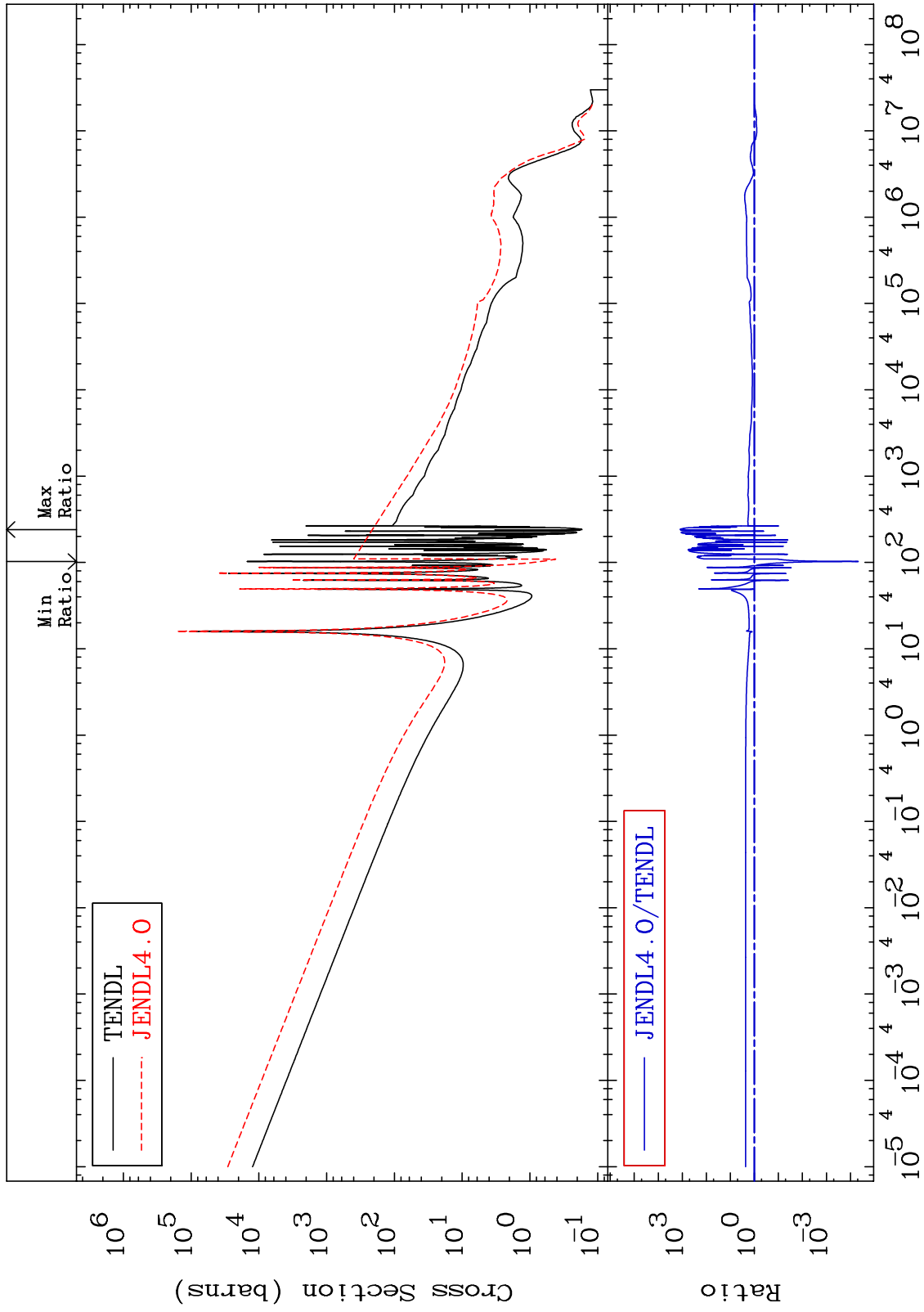
74-W -180



MAT 7425

Kerma capture (mt102)
Cross Section

74-W -180
-100.0 To 9999. %



59

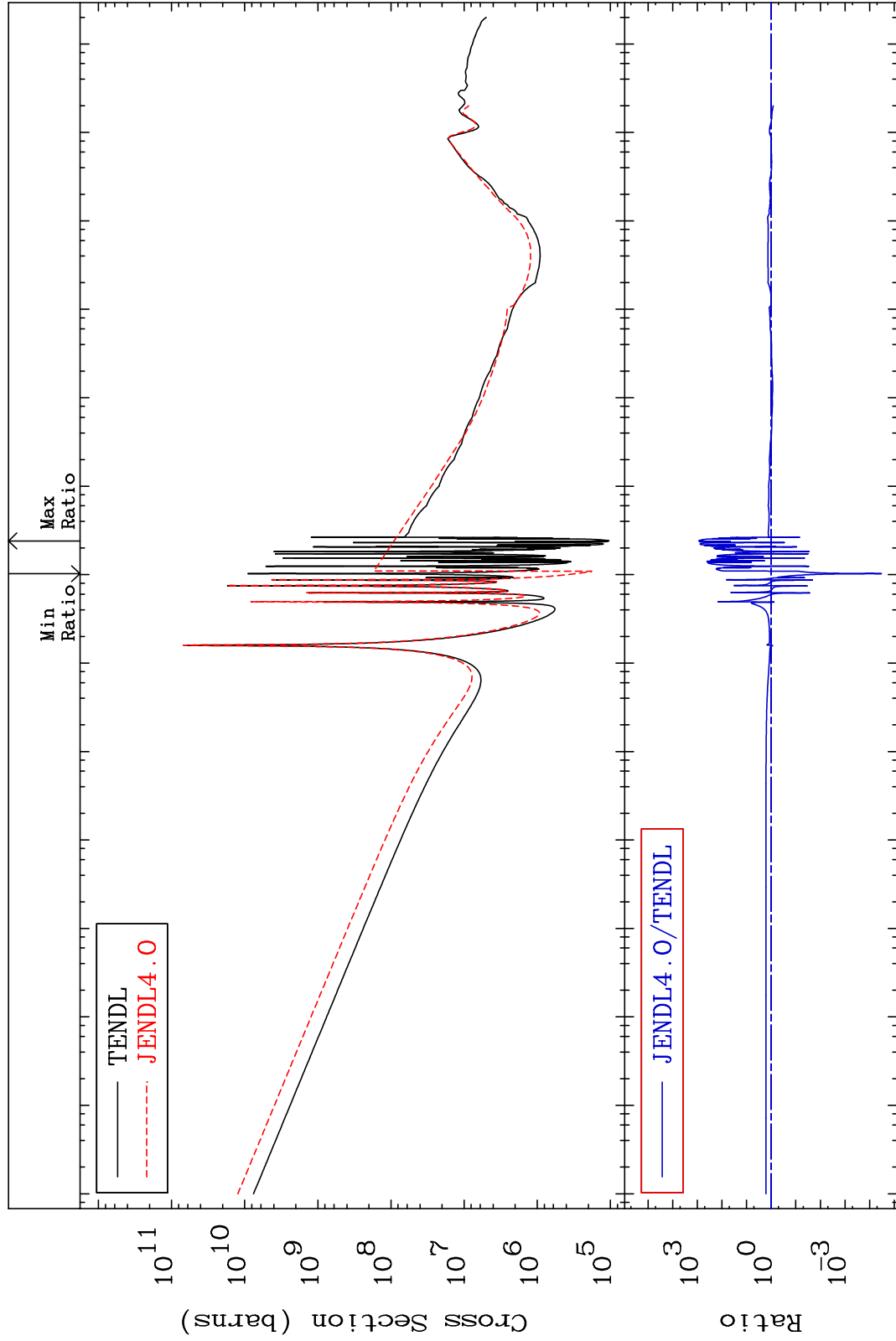
Incident Energy (eV)

74-W -180

MAT 7425

Total photon (eV-barns)
Cross Section

74-W -180
-100.0 To 9999. %

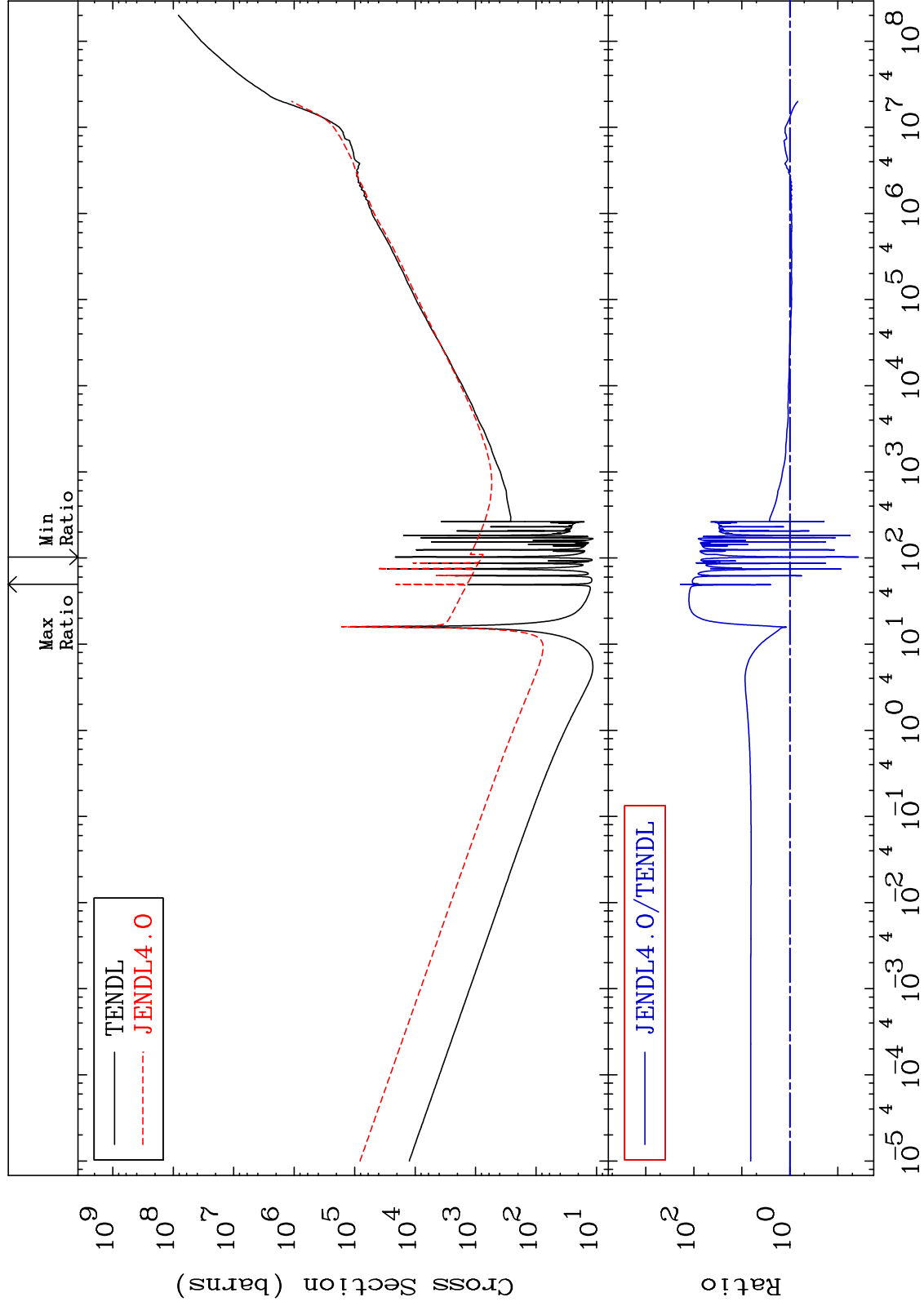


60

MAT 7425

Total kinematic kerma (high limit)
Cross Section

74-W -180
-96.29 To 9999. %



61

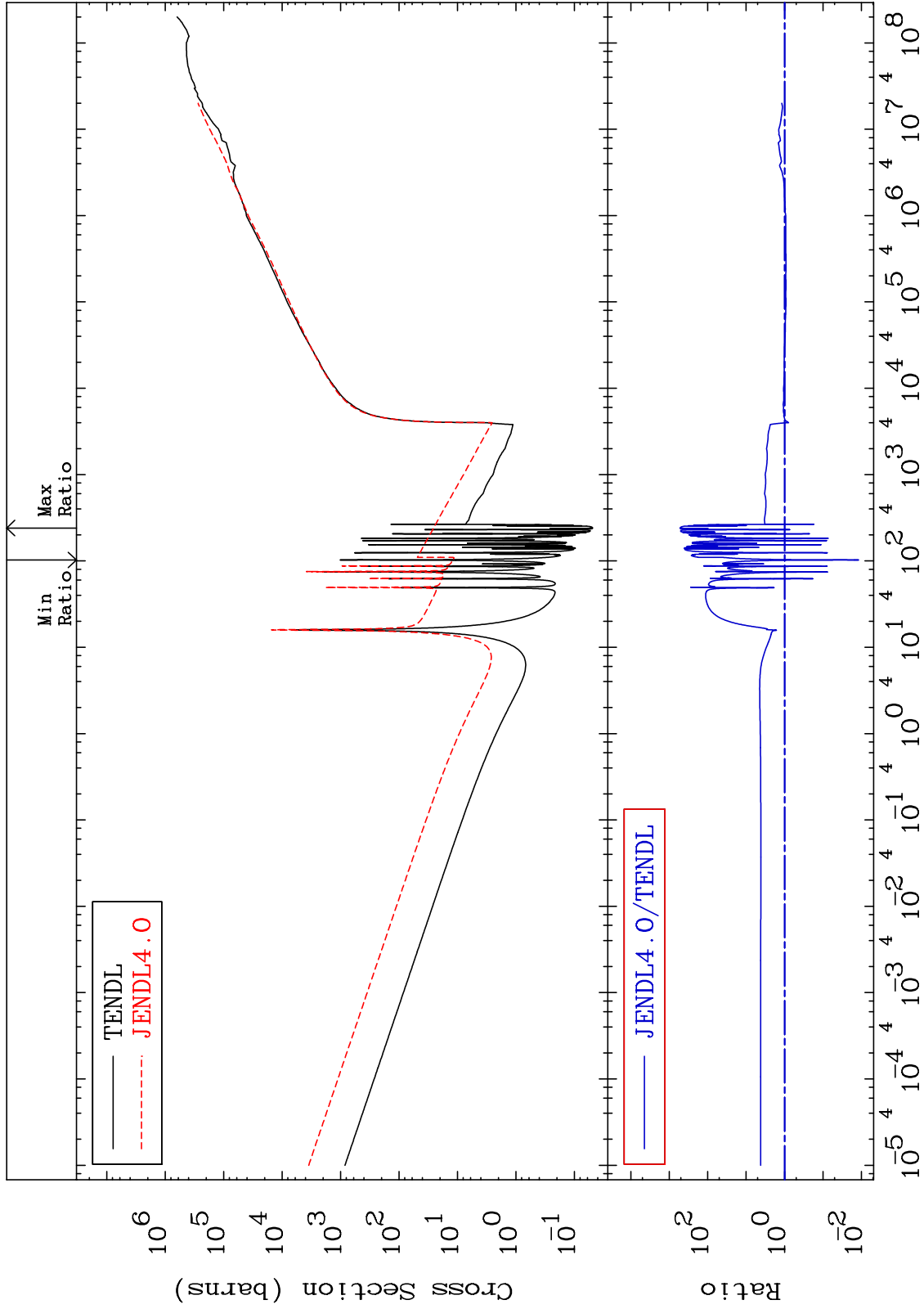
Incident Energy (eV)

74-W -180

MAT 7425

Dpa total (eV-barns)
Cross Section

74-W -180
-98.81 To 9999. %



62

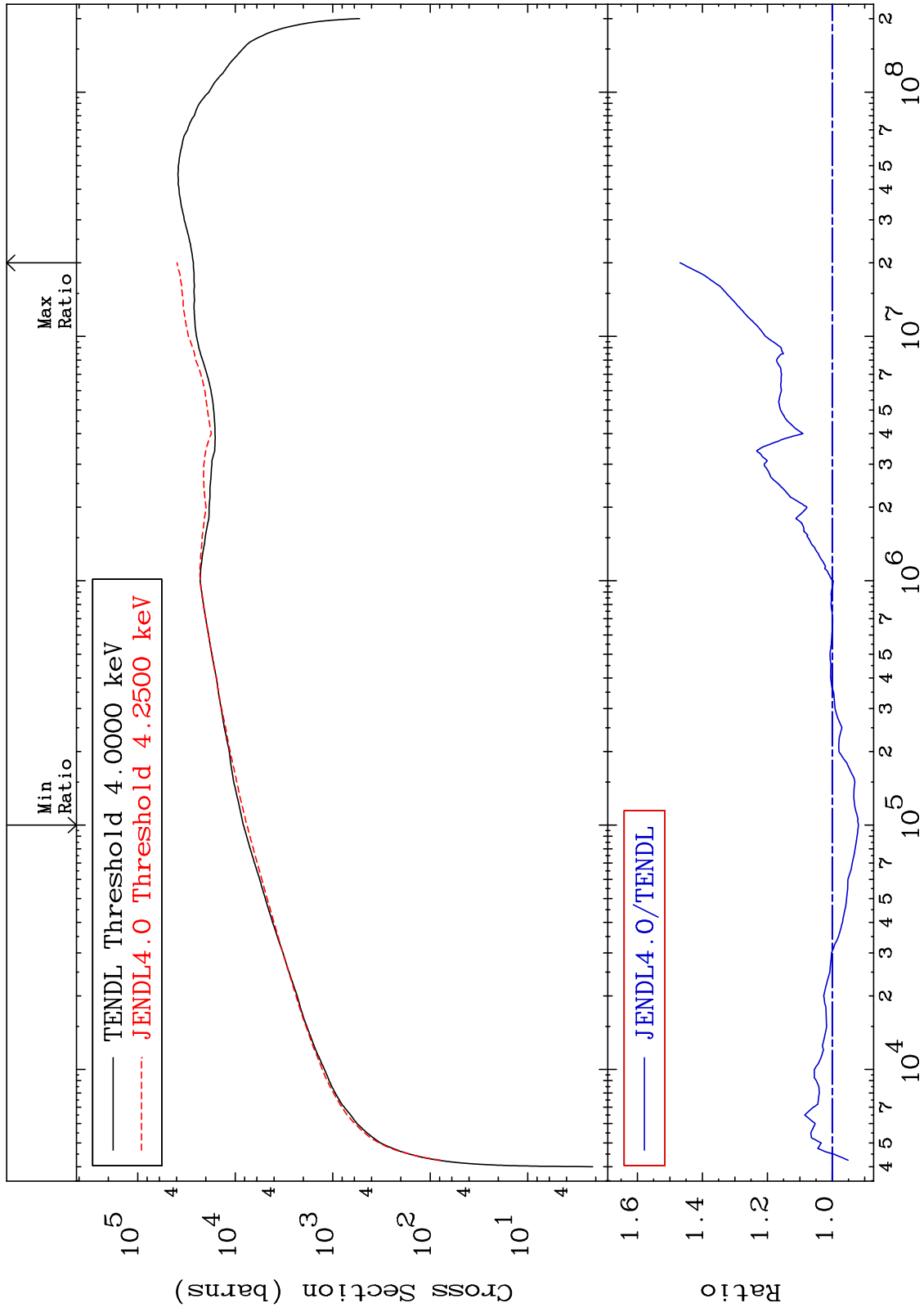
Incident Energy (eV)

74-W -180

MAT 7425

Dpa elastic (mt2)
Cross Section

74-W -180
-8.036 To 46.87 %



63

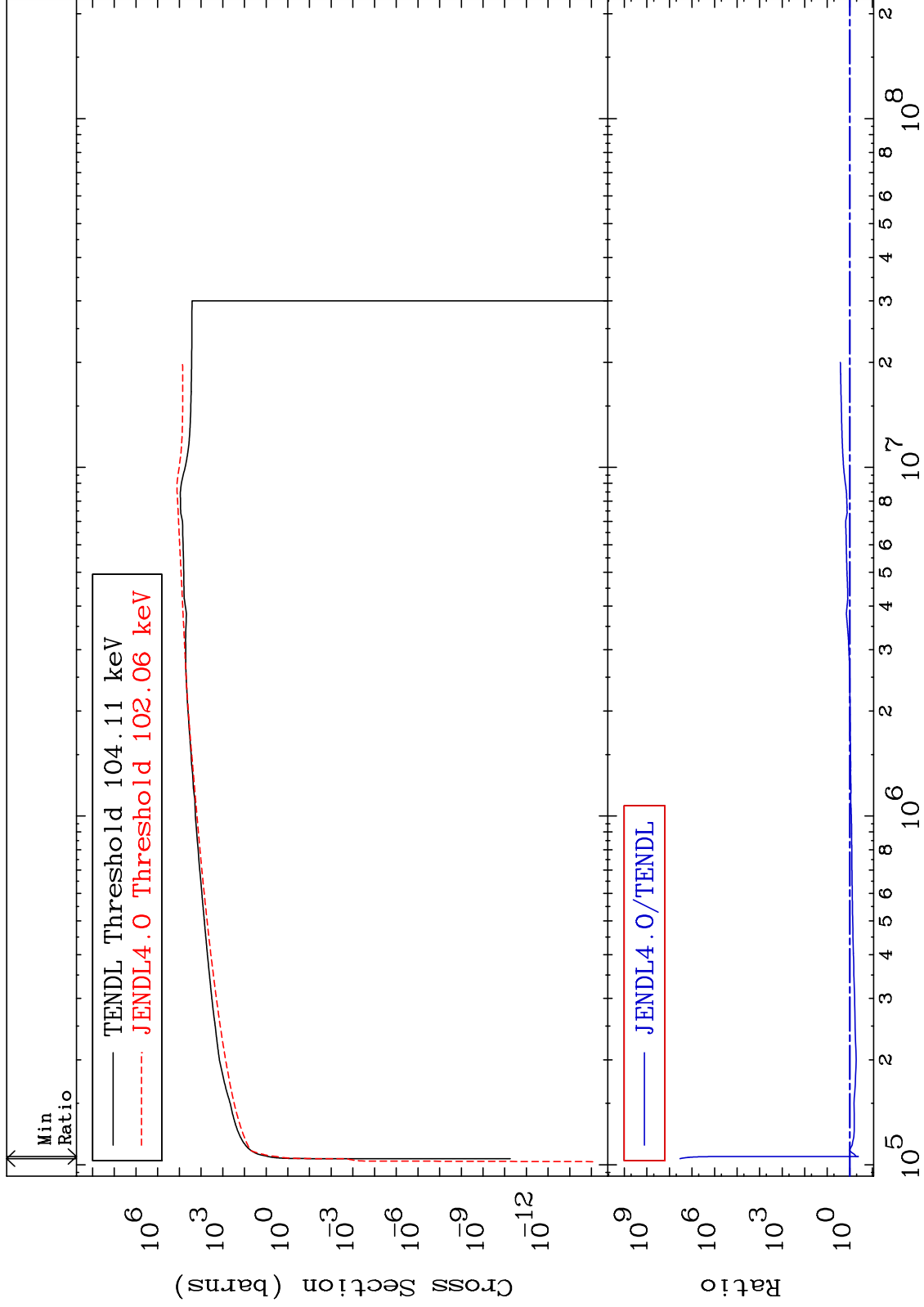
Incident Energy (eV)

74-W -180

MAT 7425

Dpa inelastic (mt51-91)
Cross Section

74-W -180
-58.53 To 9999. %



64

Incident Energy (eV)

74-W -180

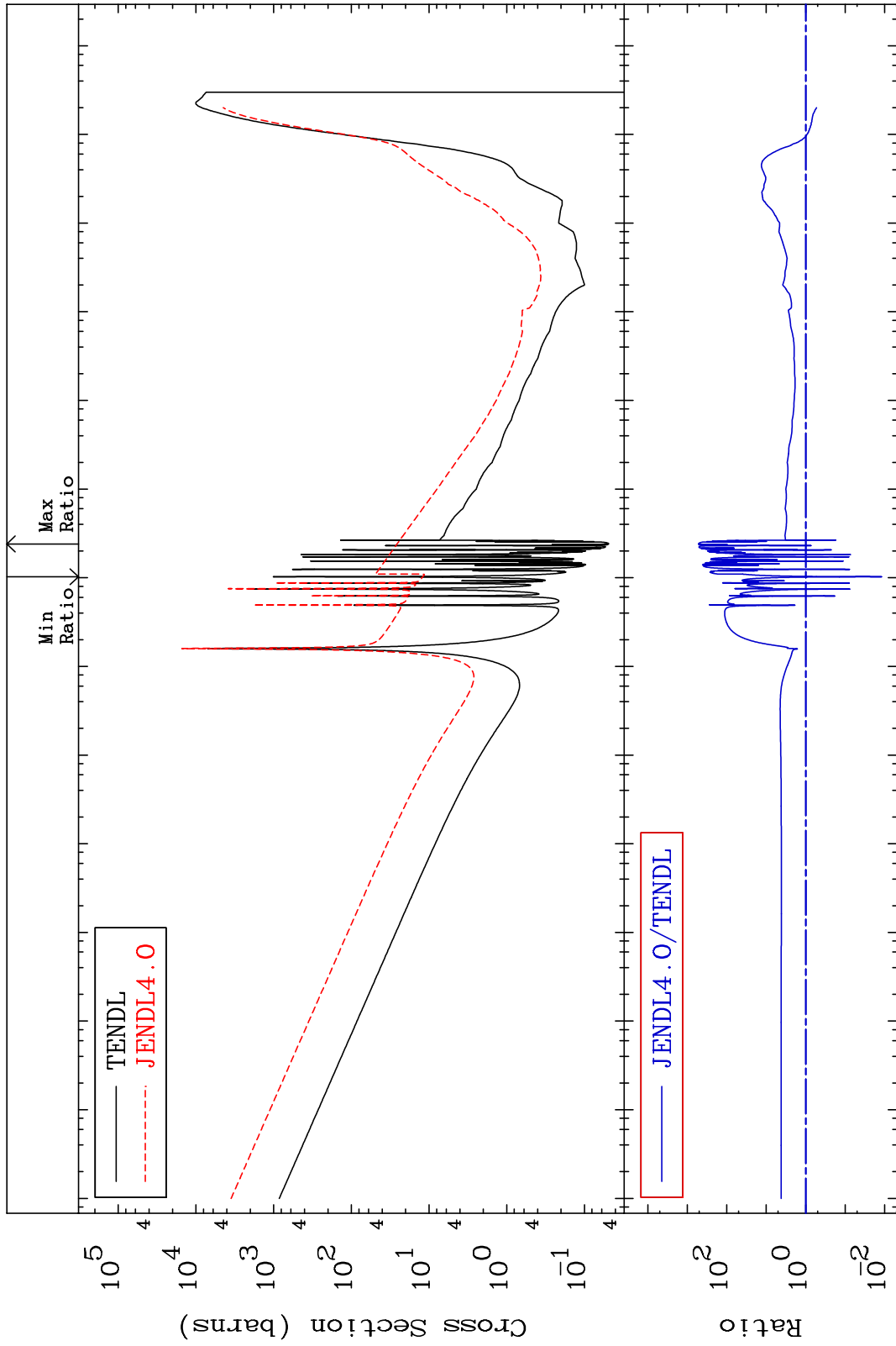
MAT 7425

Dpa disappearance (mt102 -120)

74-W -180

-98.81 To 9999. %

Cross Section



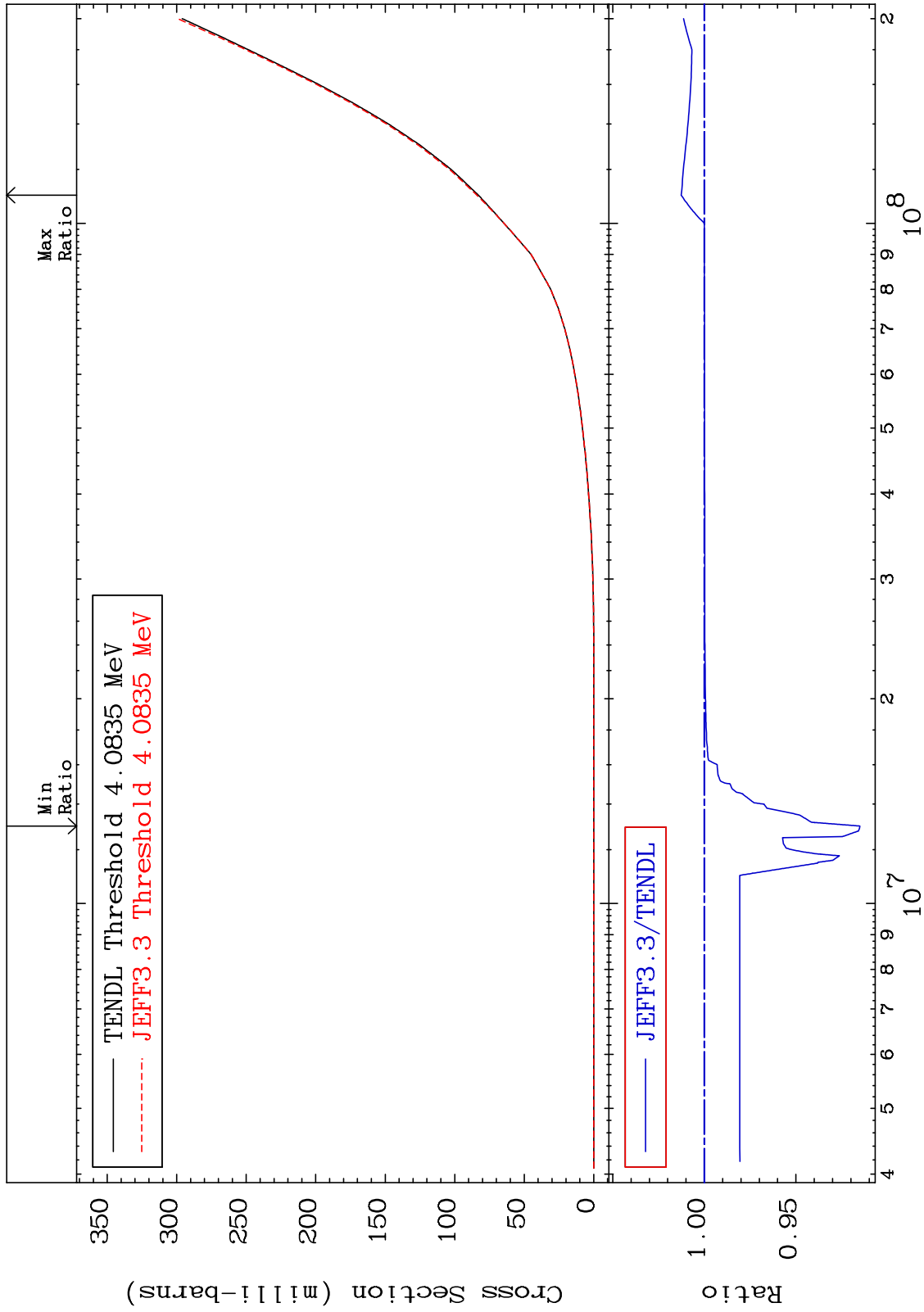
Incident Energy (eV)

74-W -180

MAT 7425

He-3 Production
Cross Section

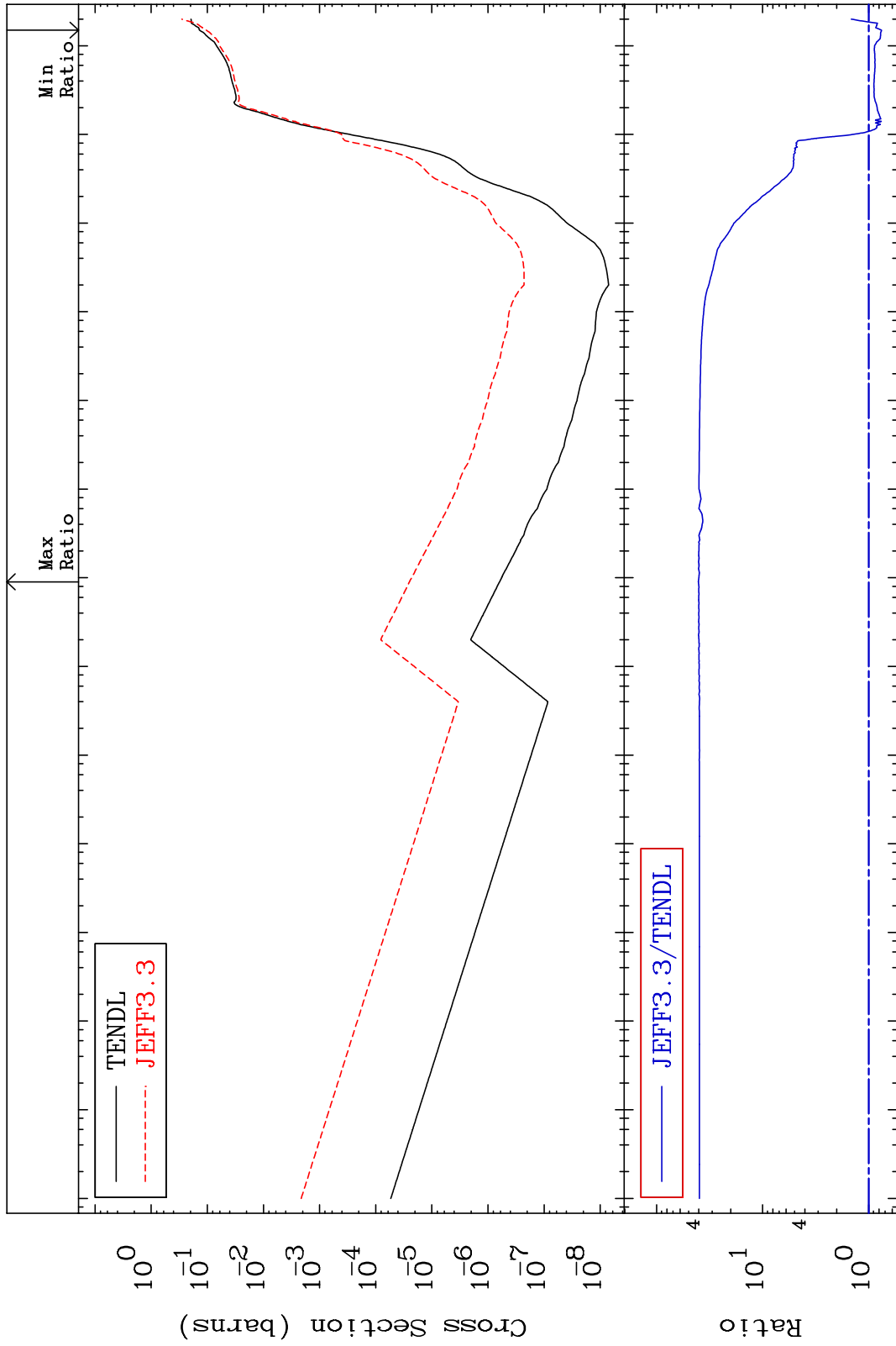
74-W -180
-8.493 To 1.262 %



MAT 7425

He-4 Production
Cross Section

74-W -180
-24.38 To 3941. %



67

Incident Energy (eV)

74-W -180

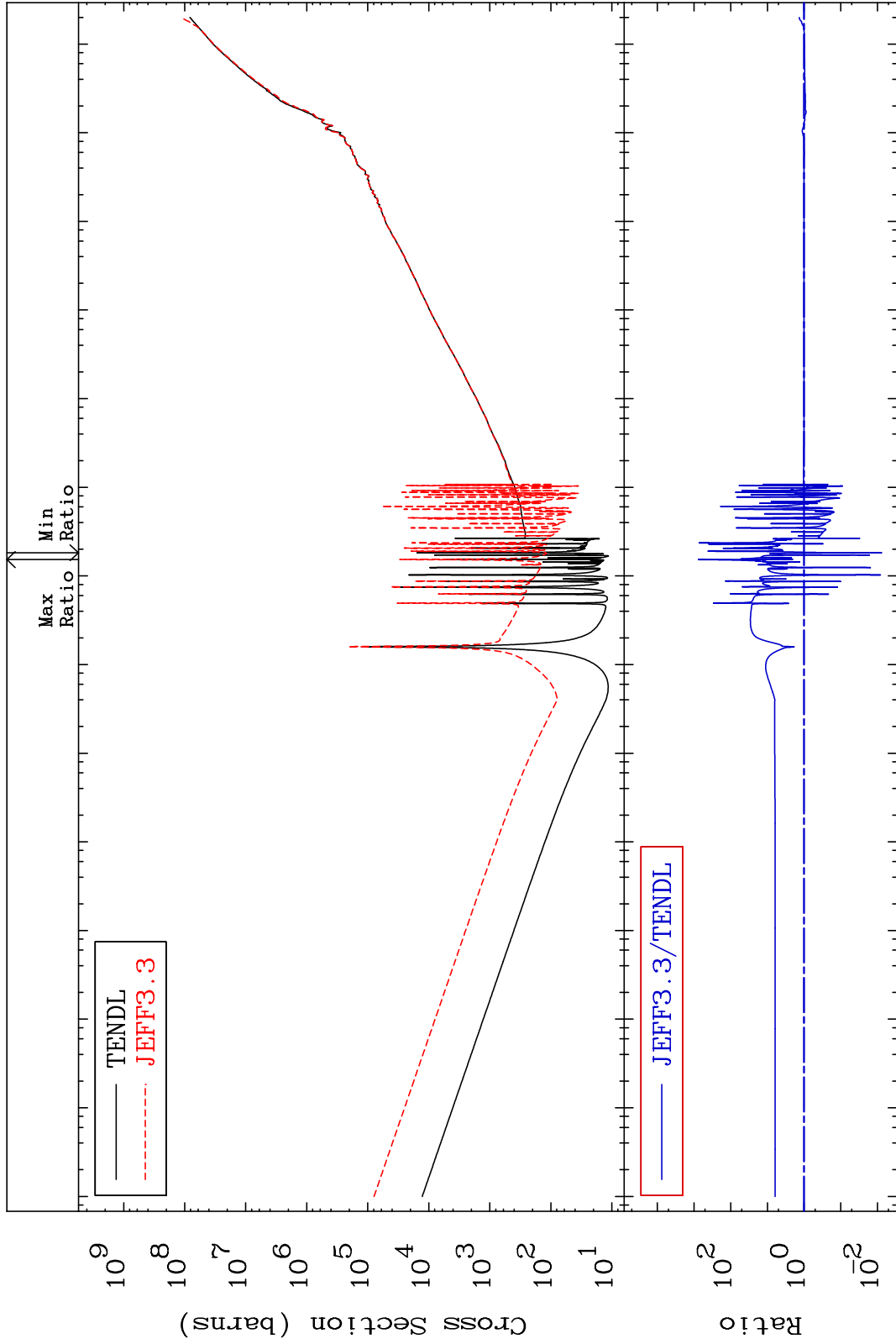
MAT 7425

Kerma total (eV-barns)

74-W -180

-99.23 To 9999. %

Cross Section



68

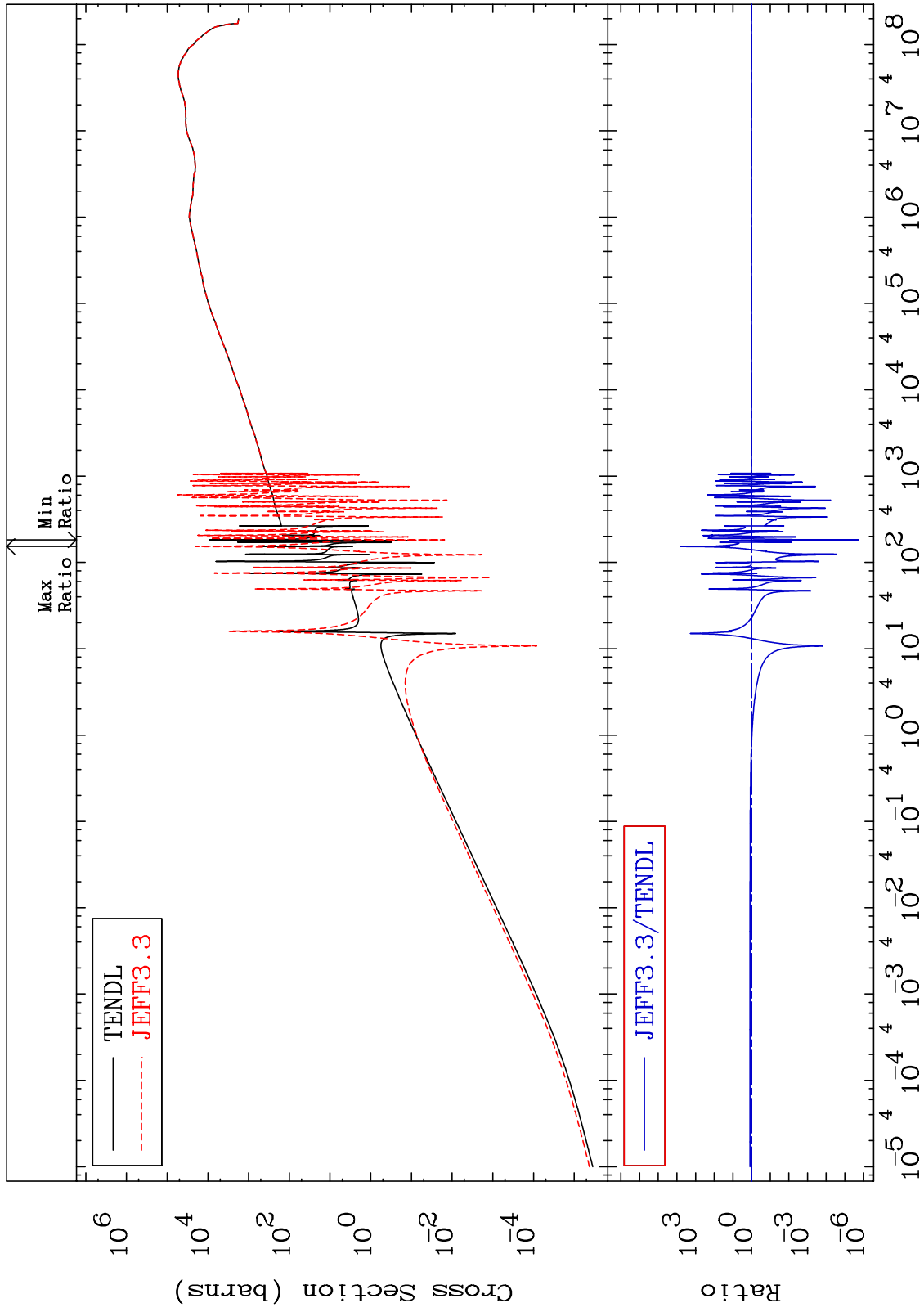
Incident Energy (eV)

74-W -180

MAT 7425

Kerma elastic
Cross Section

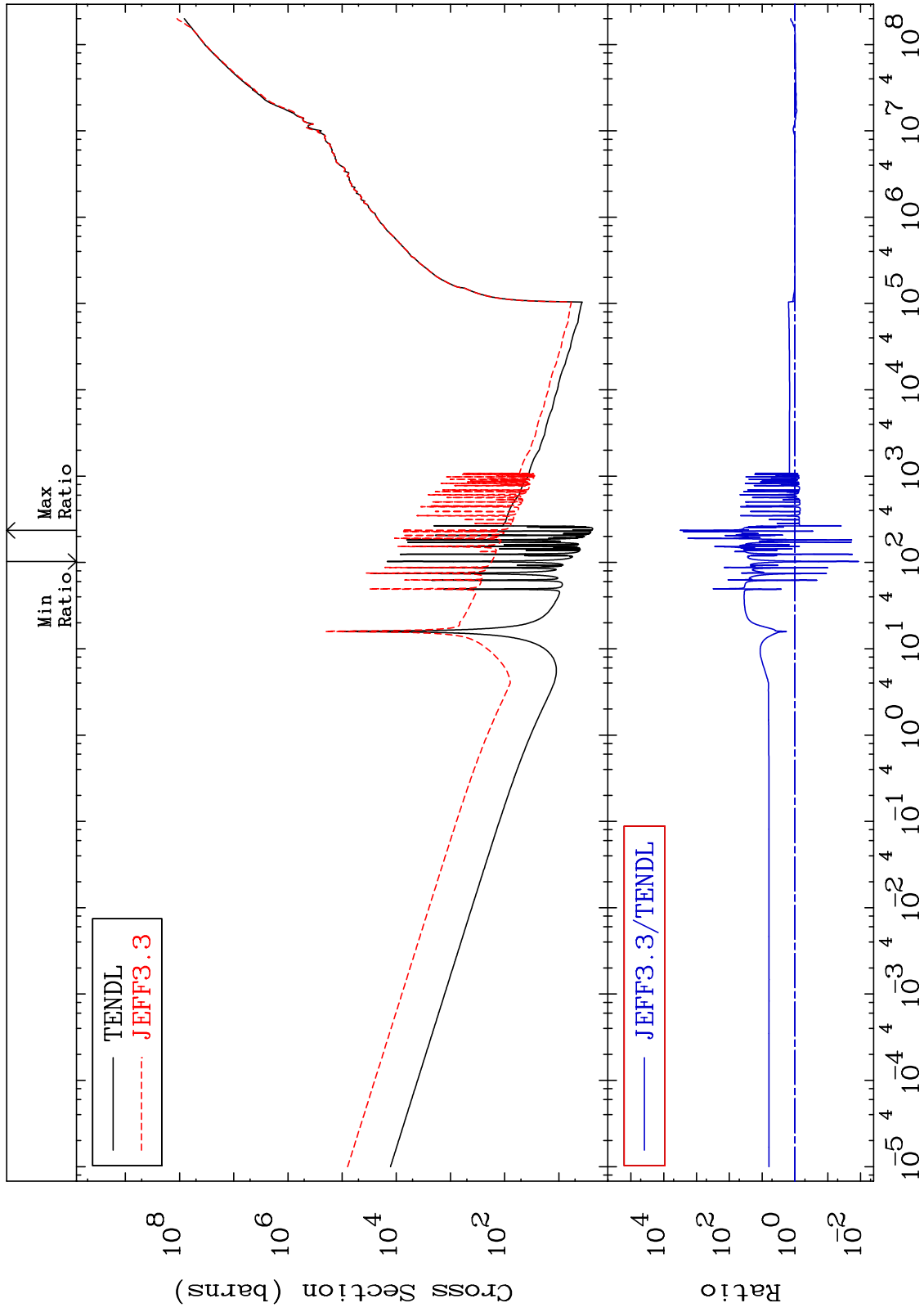
74-W -180
-100.0 To 9999. %



MAT 7425

Kerma non-elastic (all but mt2)
Cross Section

74-W -180
-98.83 To 9999. %



70

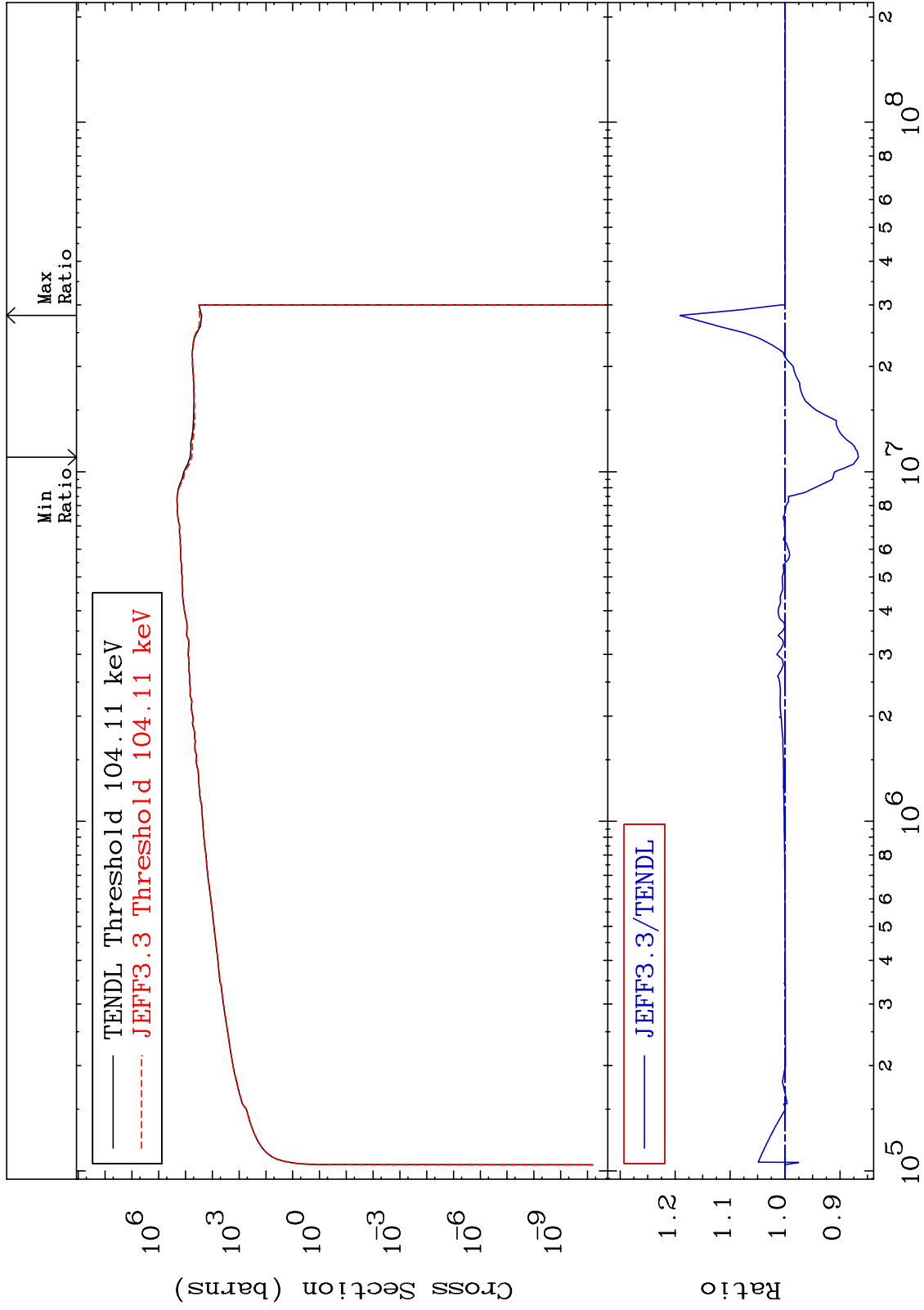
Incident Energy (eV)

74-W -180

MAT 7425

Kerma inelastic (mt51-91)
Cross Section

74-W -180
-13.35 To 19.10 %



71

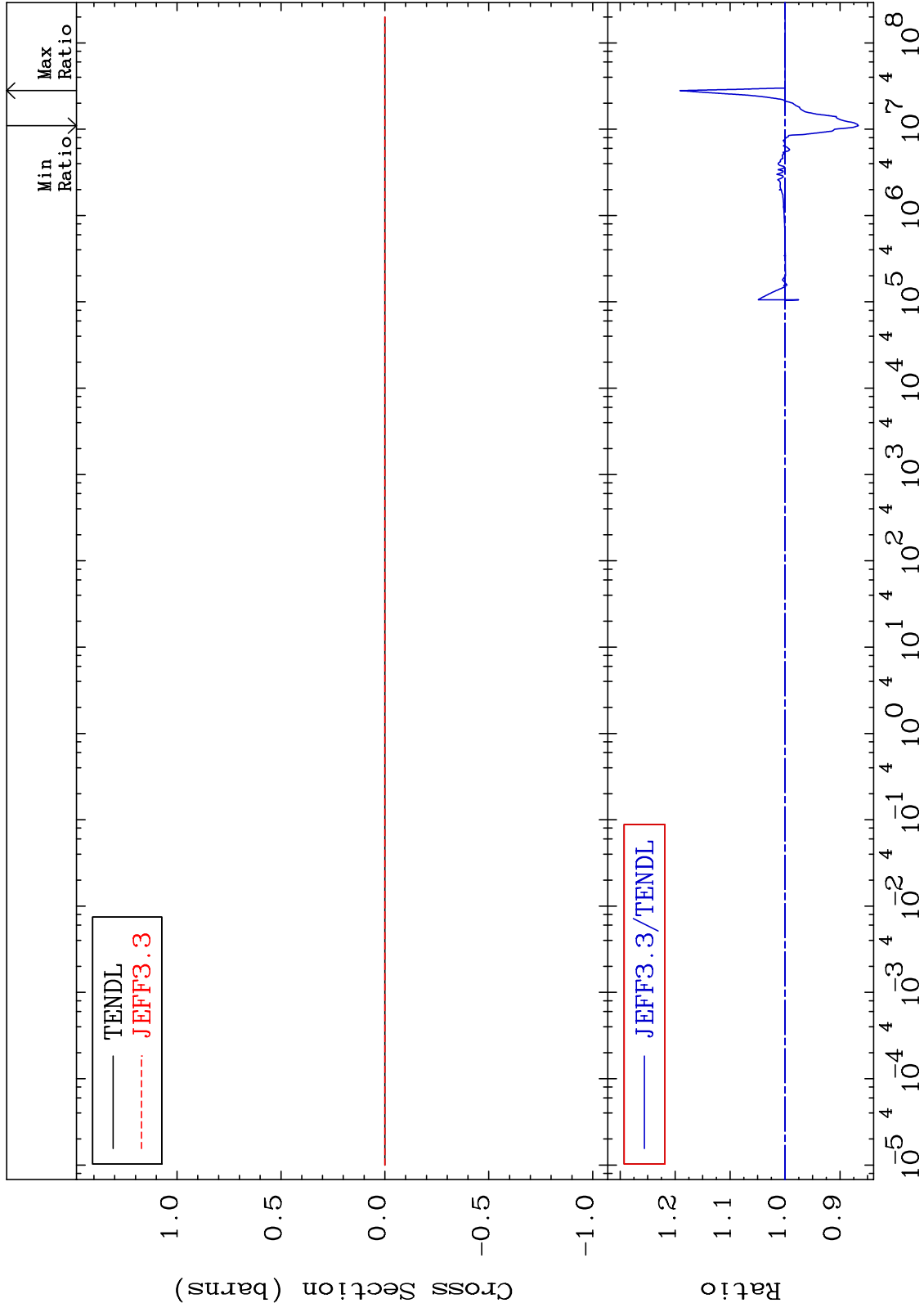
Incident Energy (eV)

74-W -180

MAT 7425

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

74-W -180
-13.35 To 19.10 %



72

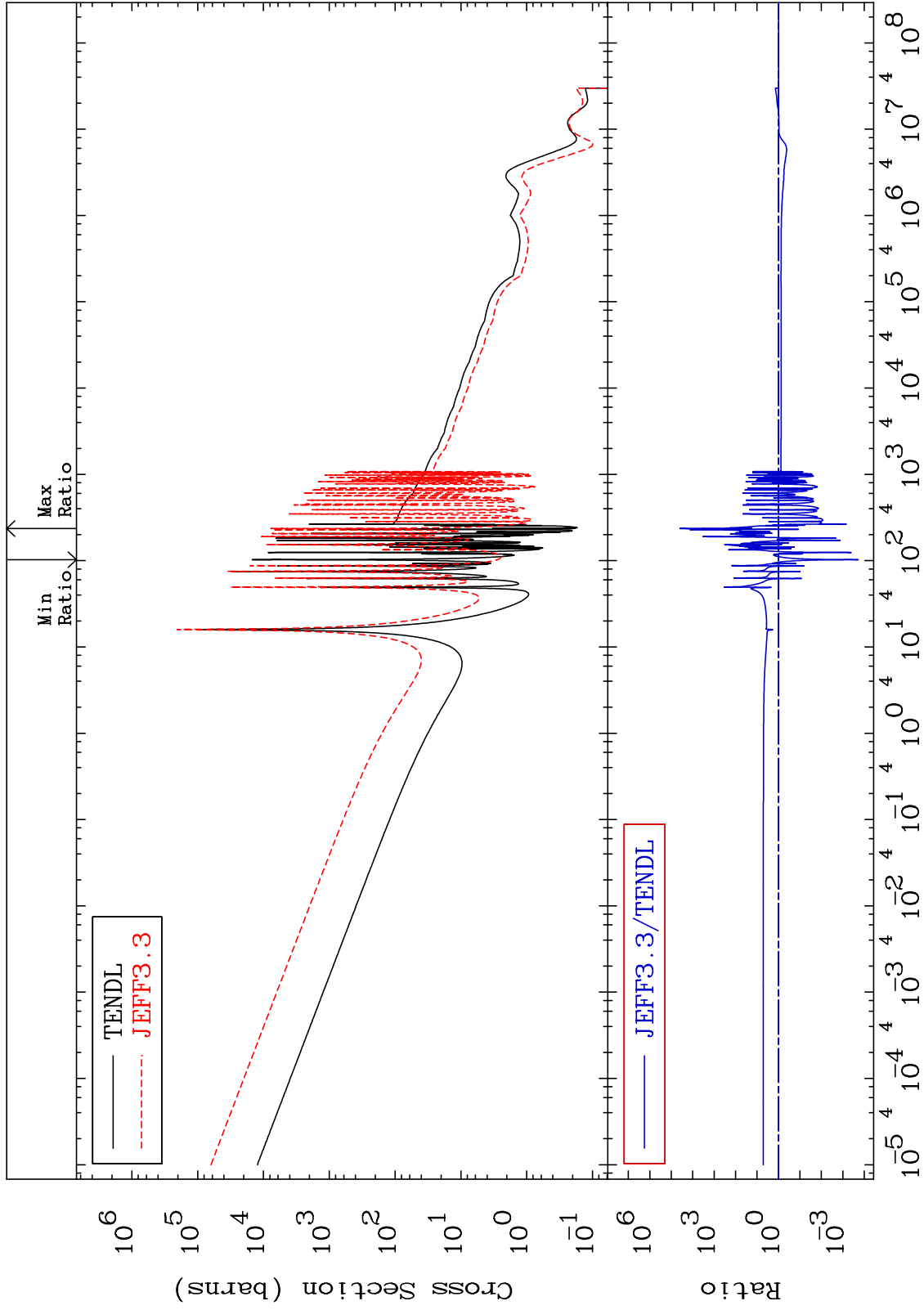
Incident Energy (eV)

74-W -180

MAT 7425

Kerma capture (mt102)
Cross Section

74-W -180
-99.98 To 9999. %



73

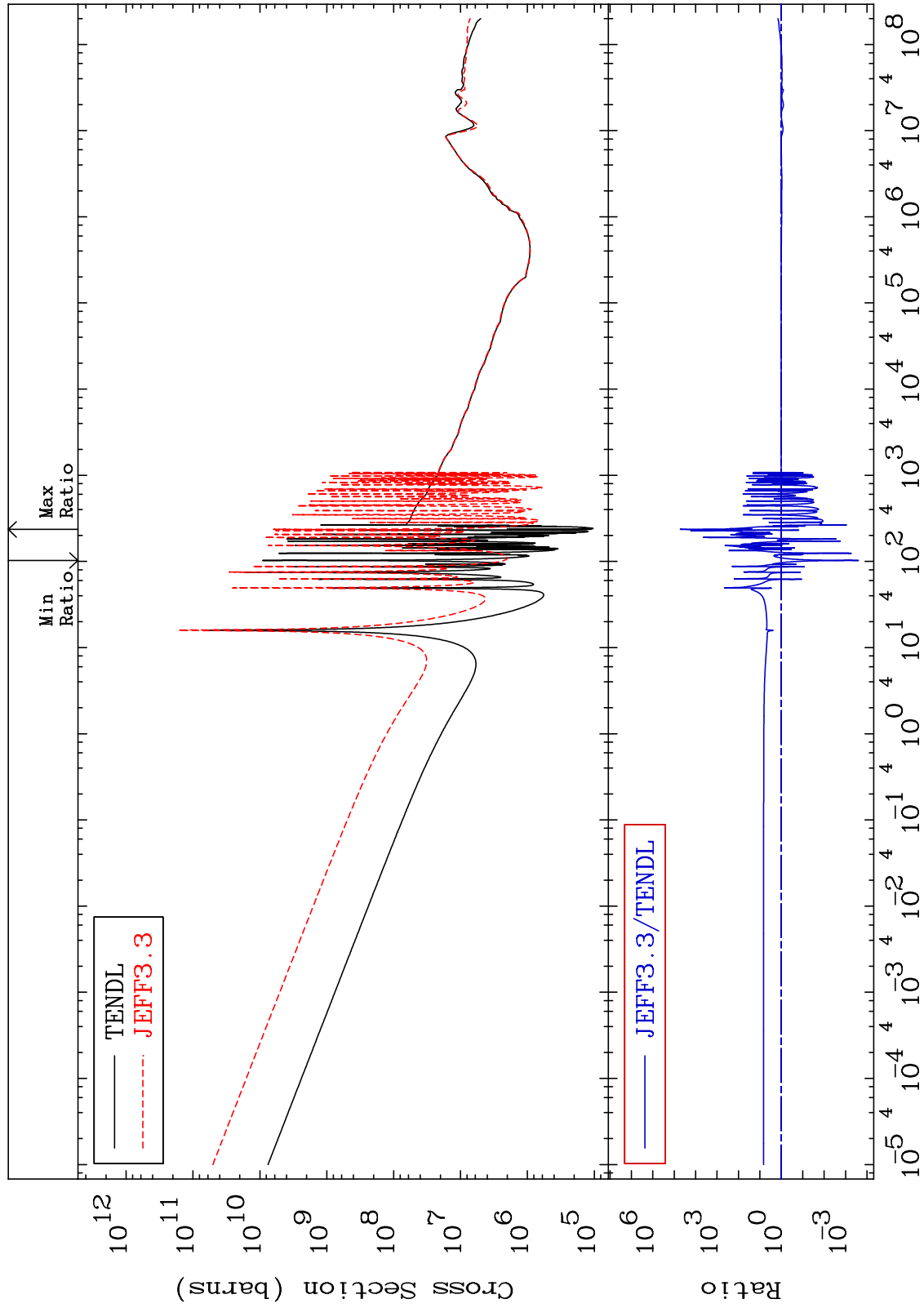
Incident Energy (eV)

74-W -180

MAT 7425

Total photon (eV-barns)
Cross Section

74-W -180
-99.98 To 9999. %



74

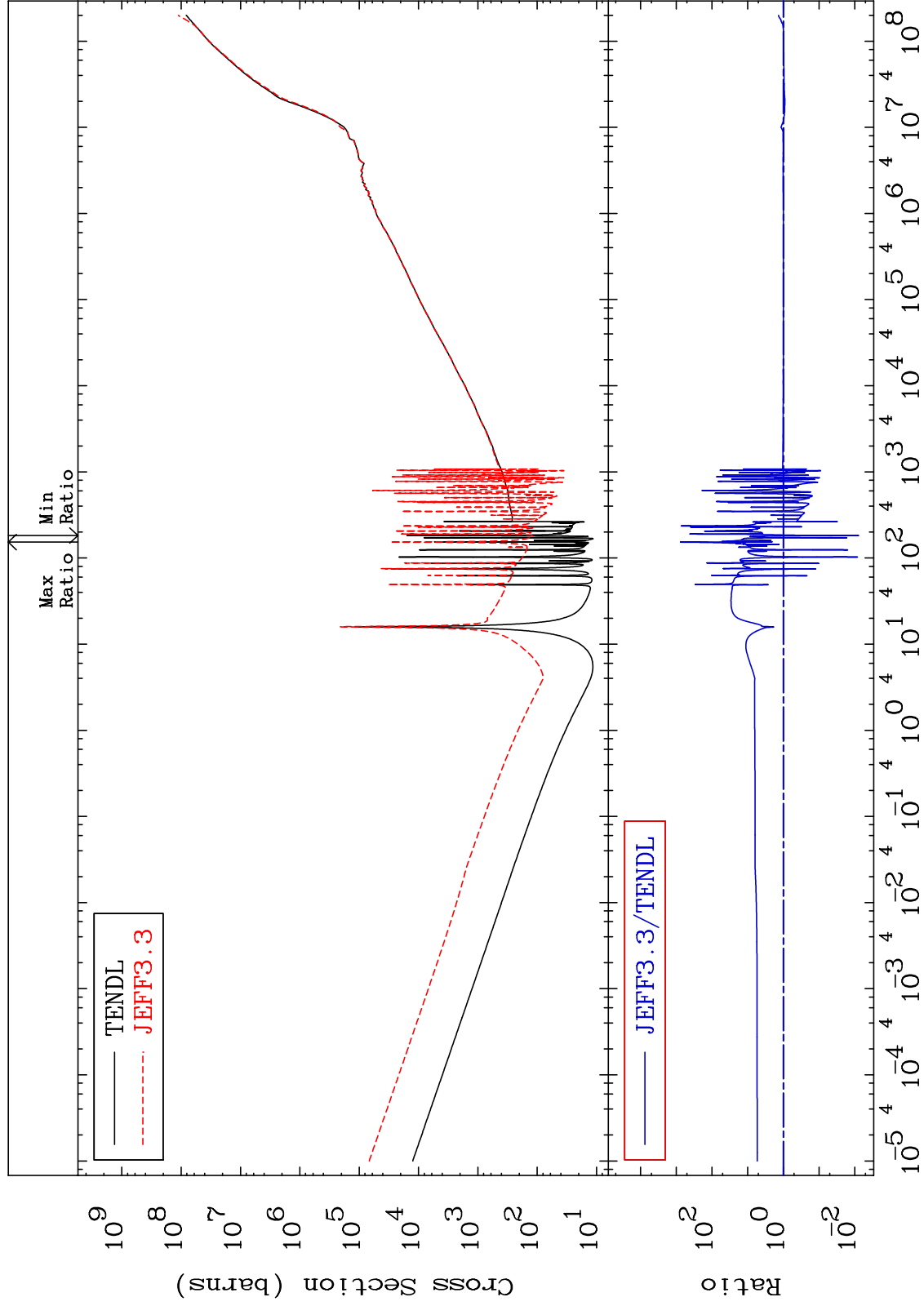
Incident Energy (eV)

74-W -180

MAT 7425

Total kinematic kerma (high limit)
Cross Section

74-W -180
-99.22 To 9999. %



75

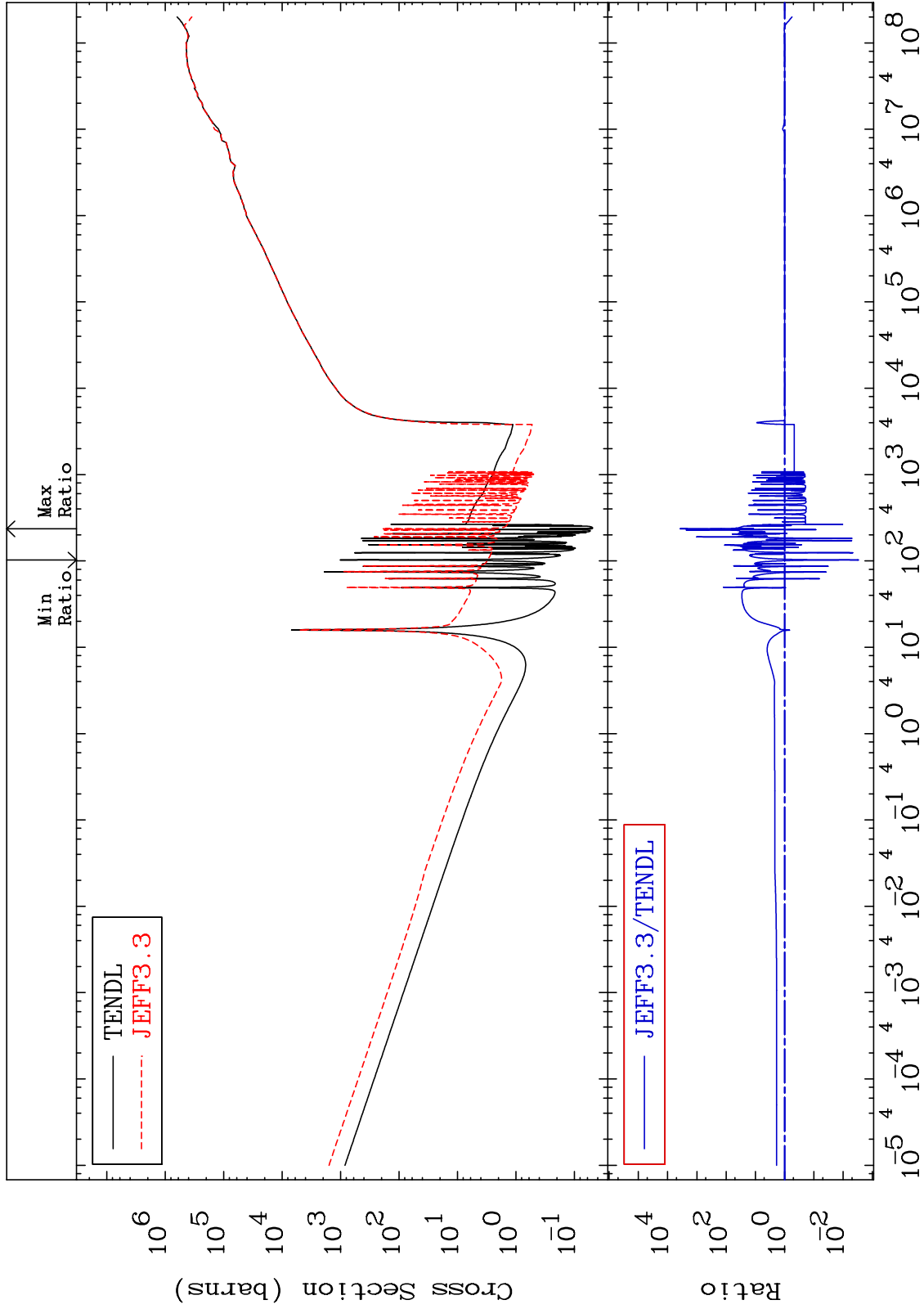
Incident Energy (eV)

74-W -180

MAT 7425

Dpa total (eV-barns)
Cross Section

74-W -180
-99.70 To 9999. %



76

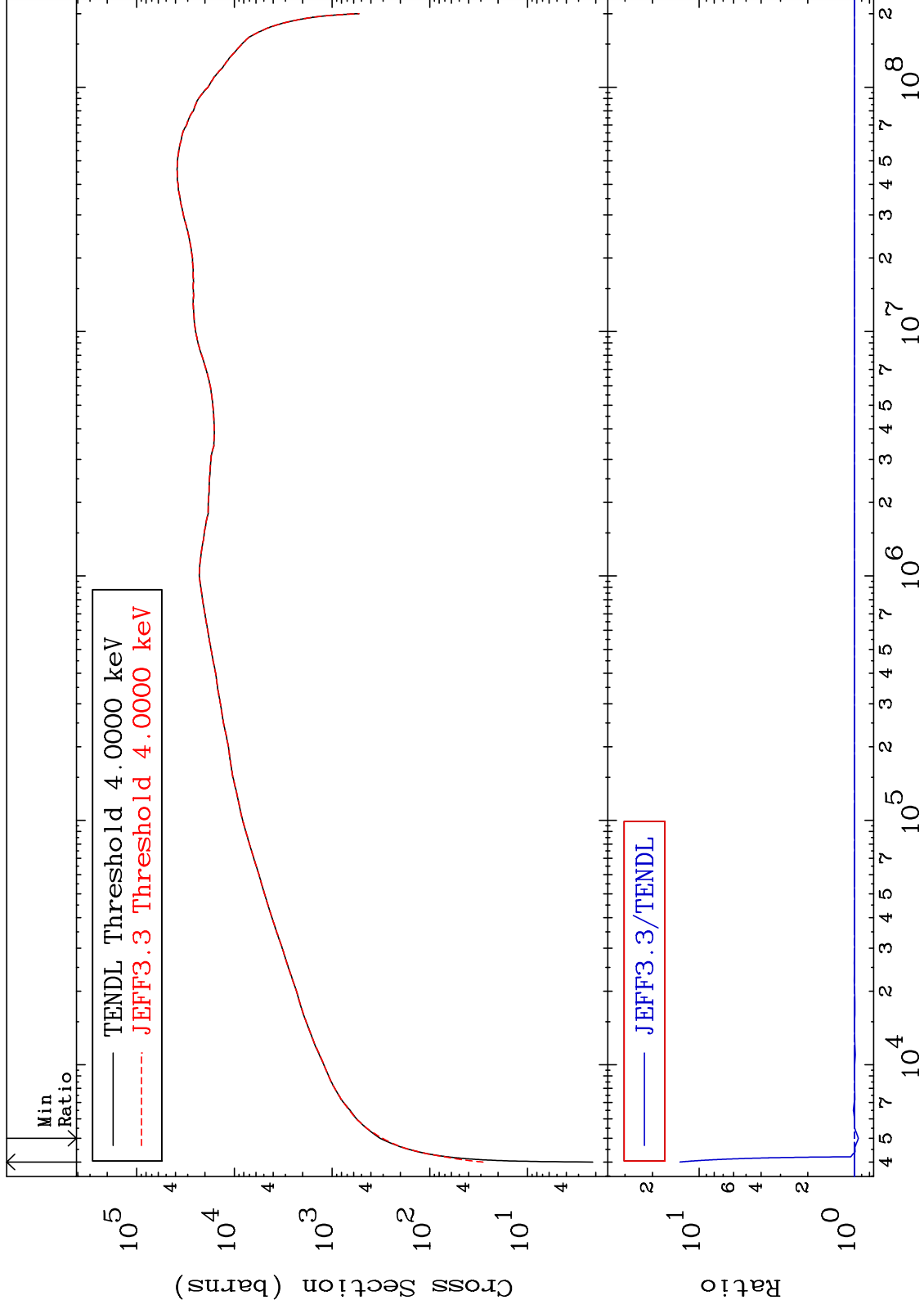
Incident Energy (eV)

74-W -180

MAT 7425

Dpa elastic (mt2)
Cross Section

74-W -180
-5.581 To 1228. %



77

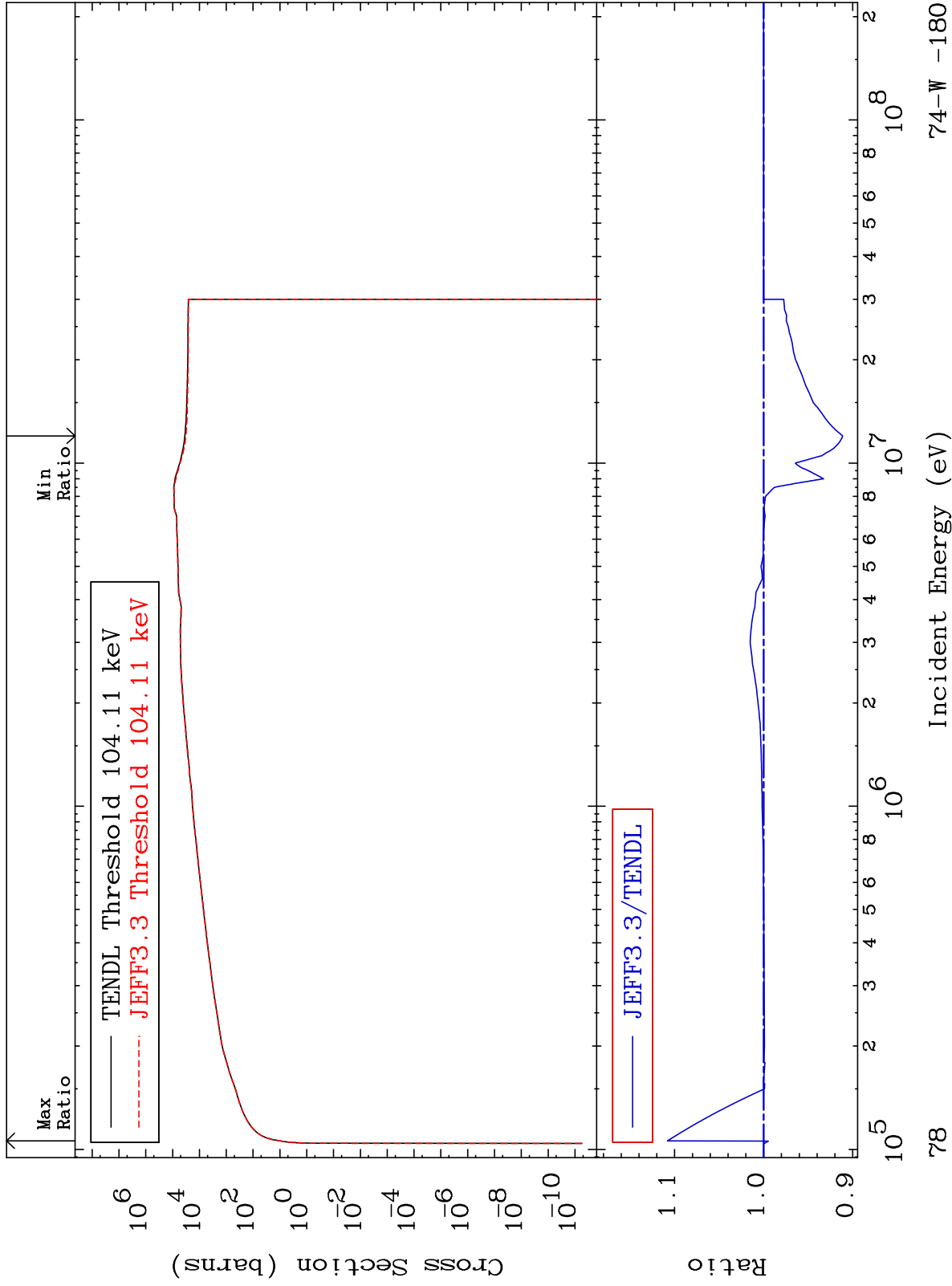
Incident Energy (eV)

74-W -180

MAT 7425

Dpa inelastic (mt51-91)
Cross Section

74-W -180
-8.875 To 10.80 %



74-W -180

Incident Energy (eV)

78

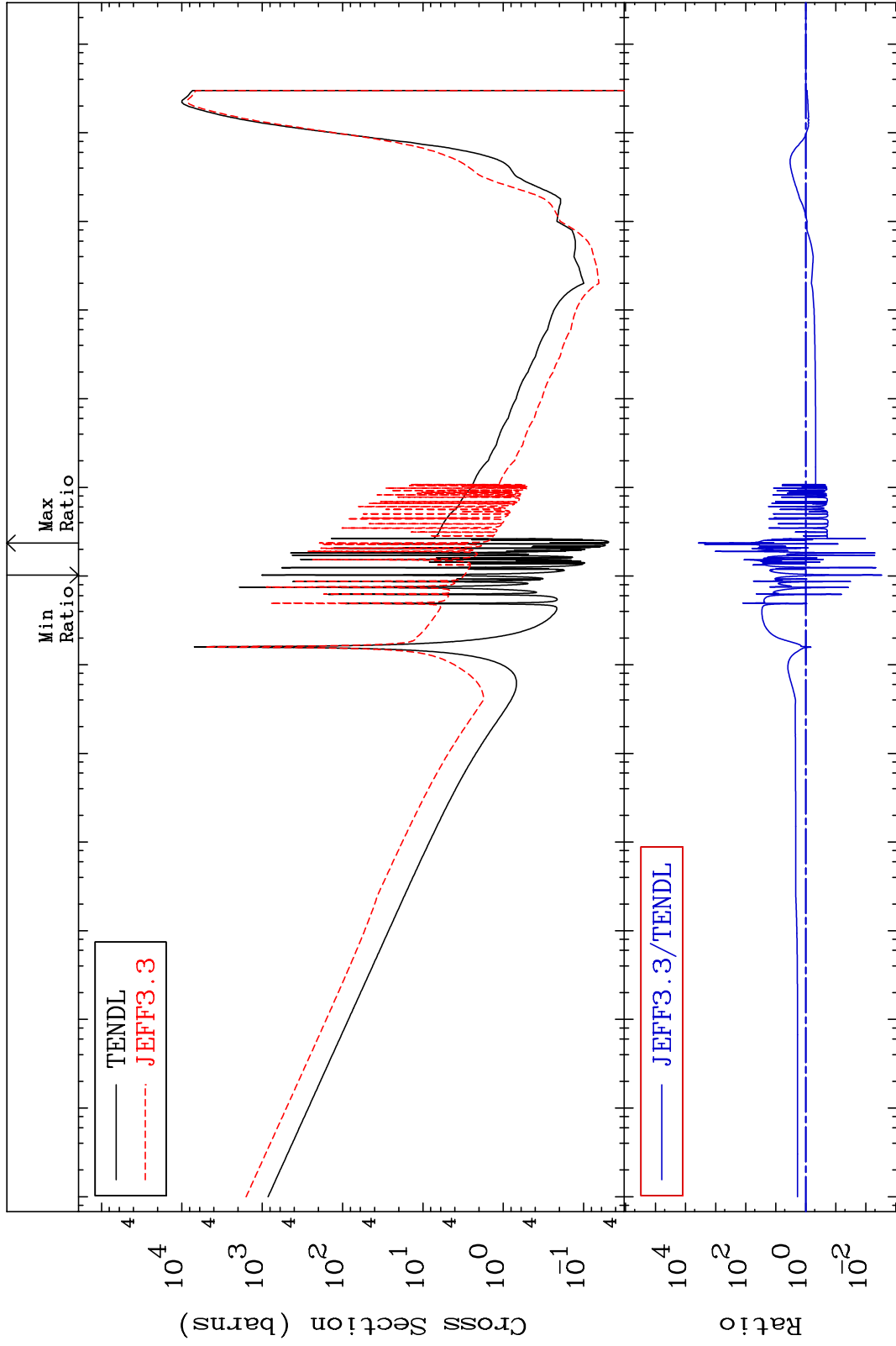
MAT 7425

Dpa disappearance (mt102 -120)

74-W -180

-99.70 To 9999. %

Cross Section



79

Incident Energy (eV)

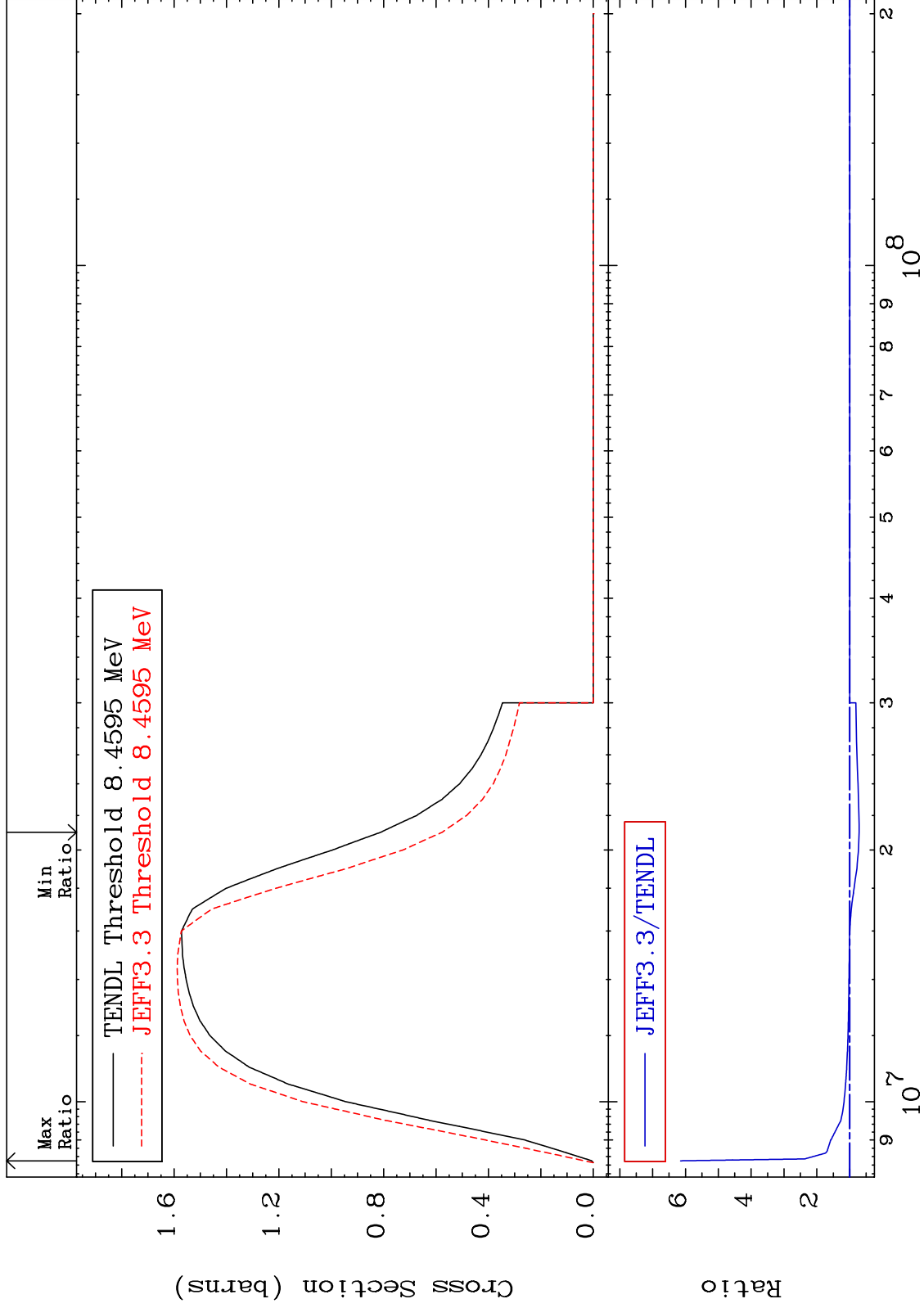
74-W -180

MAT 7425

(n,2n):74-W -179g

74-W -180

Radionuclide Production Cross Section -28.92 To 514.8 %



80

Incident Energy (eV)

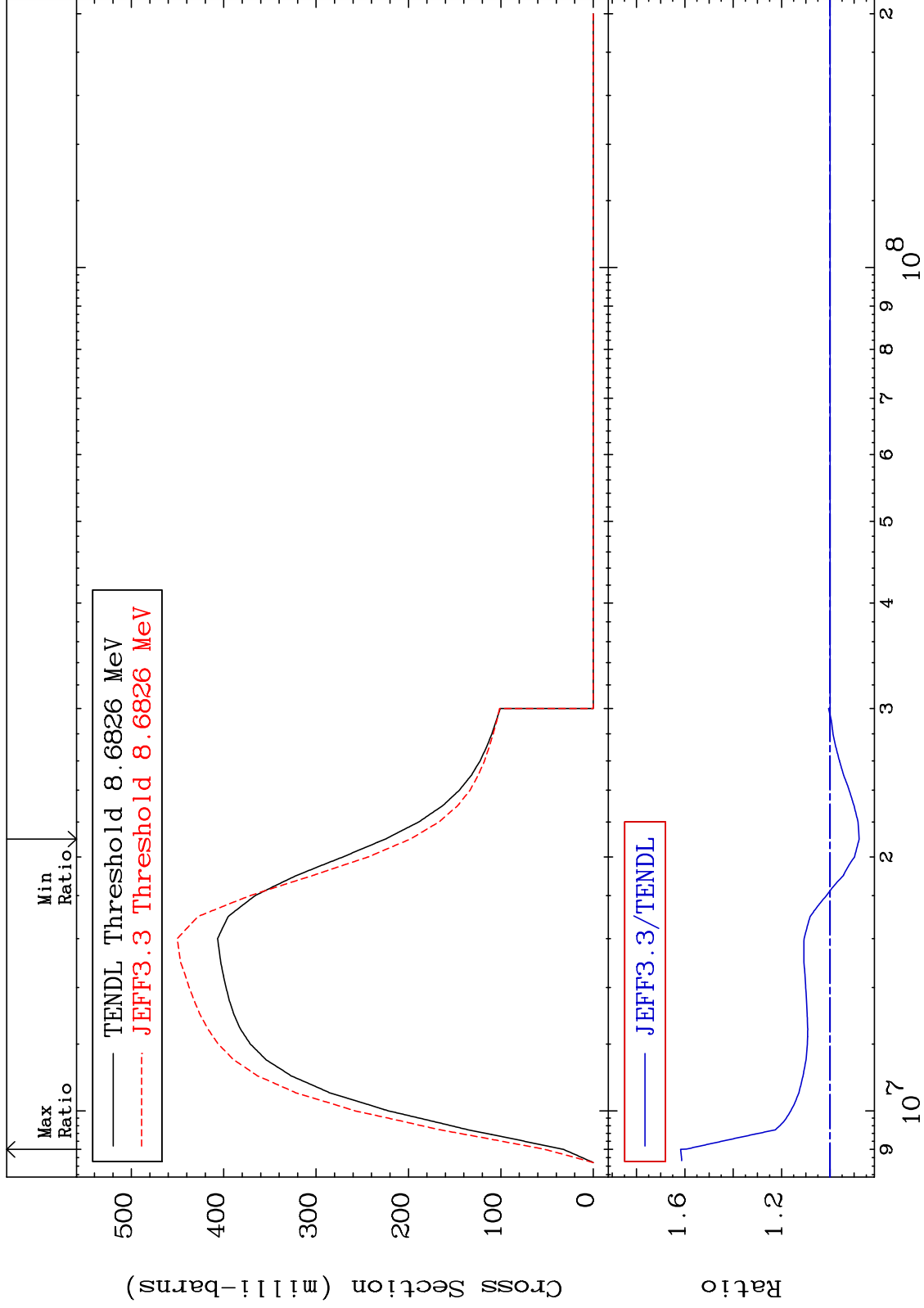
74-W -180

MAT 7425

(n,2n):74-W -179m2

74-W -180

Radionuclide Production Cross Section -12.06 To 61.75 %



81

Incident Energy (eV)

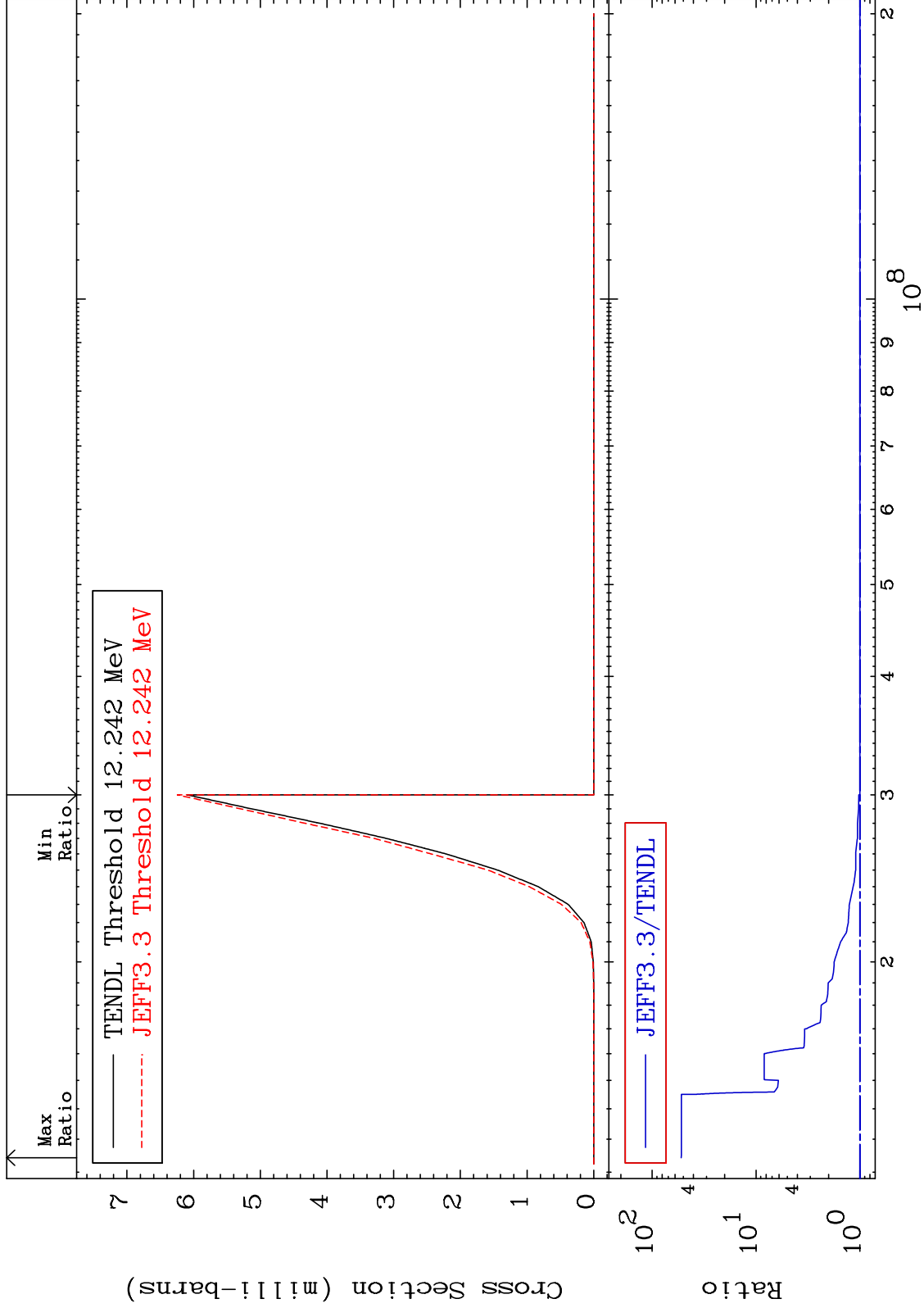
74-W -180

MAT 7425

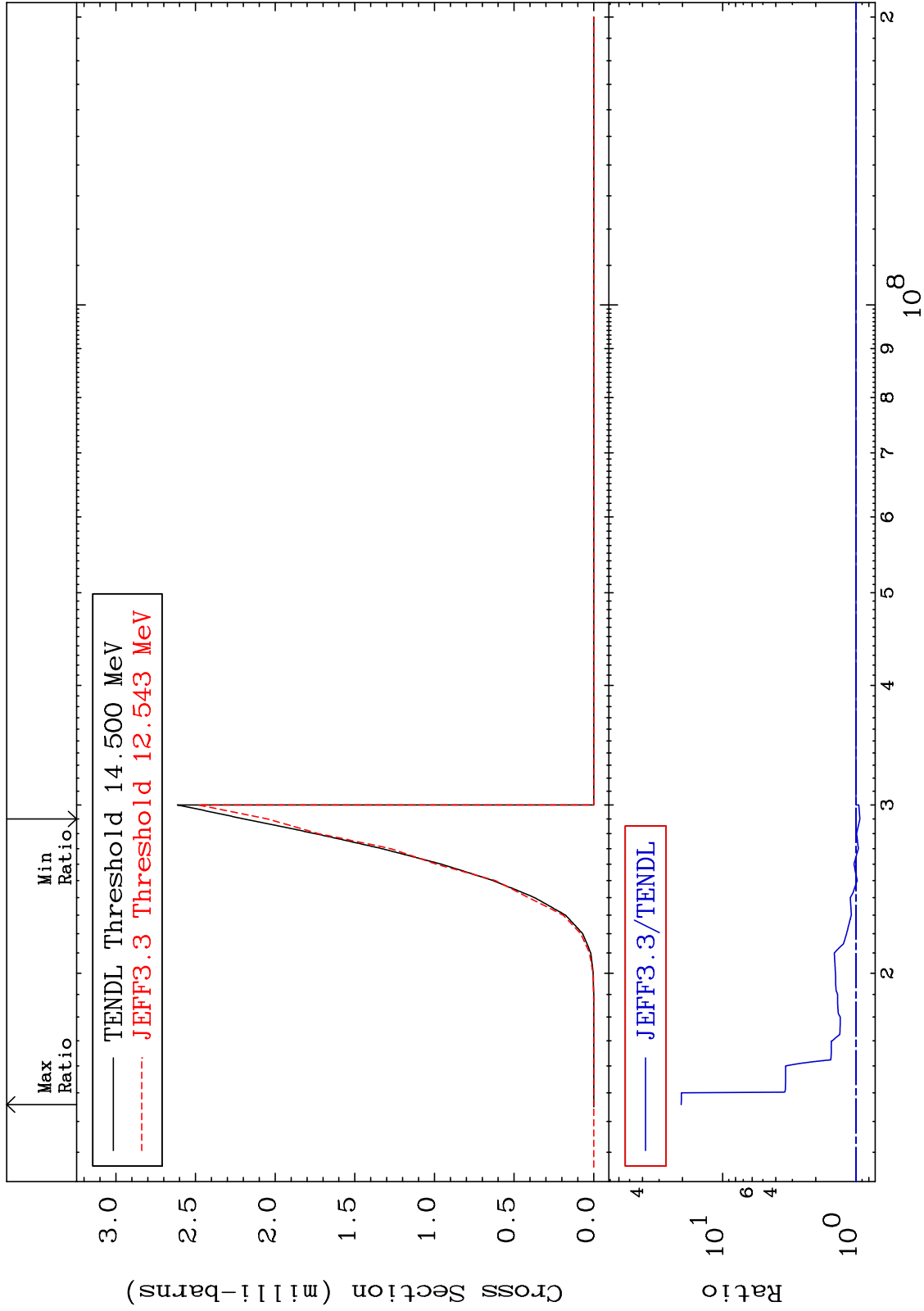
(n, n') d:73-Ta-178g

74-W -180

Radionuclide Production Cross Section 0.000 To 5141. %



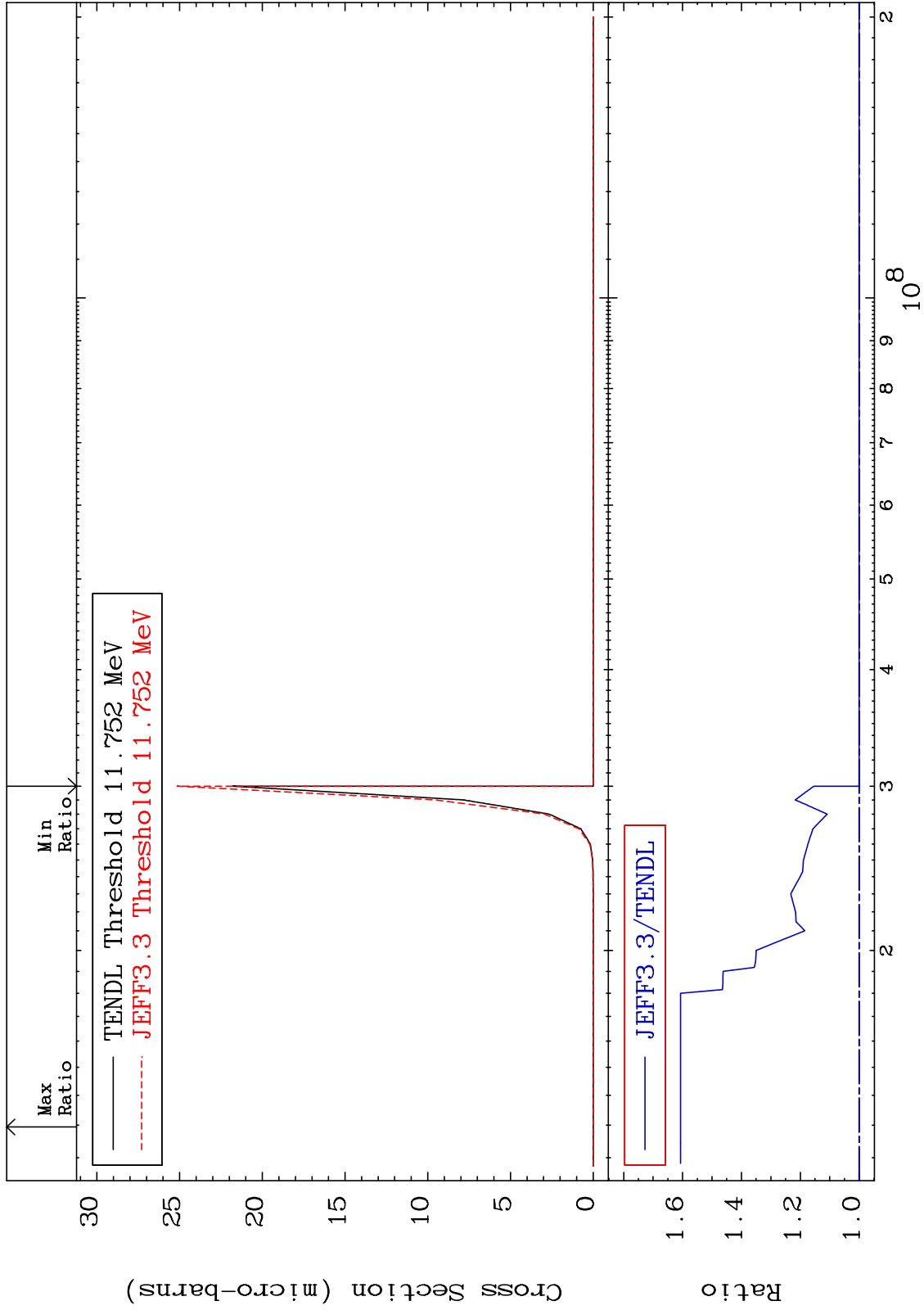
Radionuclide Production Cross Section -6.701 To 1947. %



MAT 7425

(n, n') He-3:72-Hf-177g
Radionuclide Production Cross Section 0.000 To 60.66 %

74-W -180

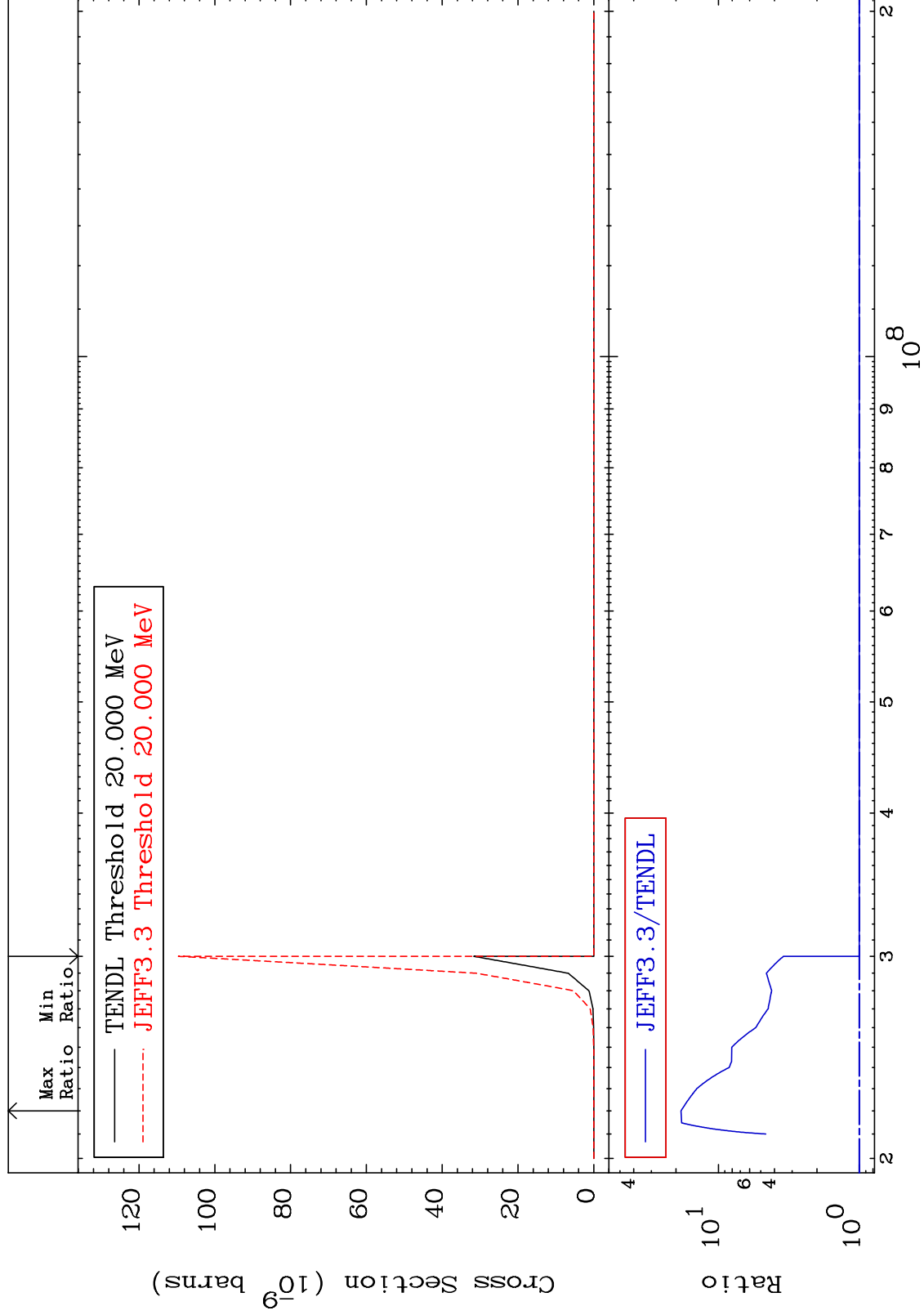


MAT 7425

(n, n') He-3:72-Hf-177m10

74-W -180

Radionuclide Production Cross Section 0.000 To 1743. %

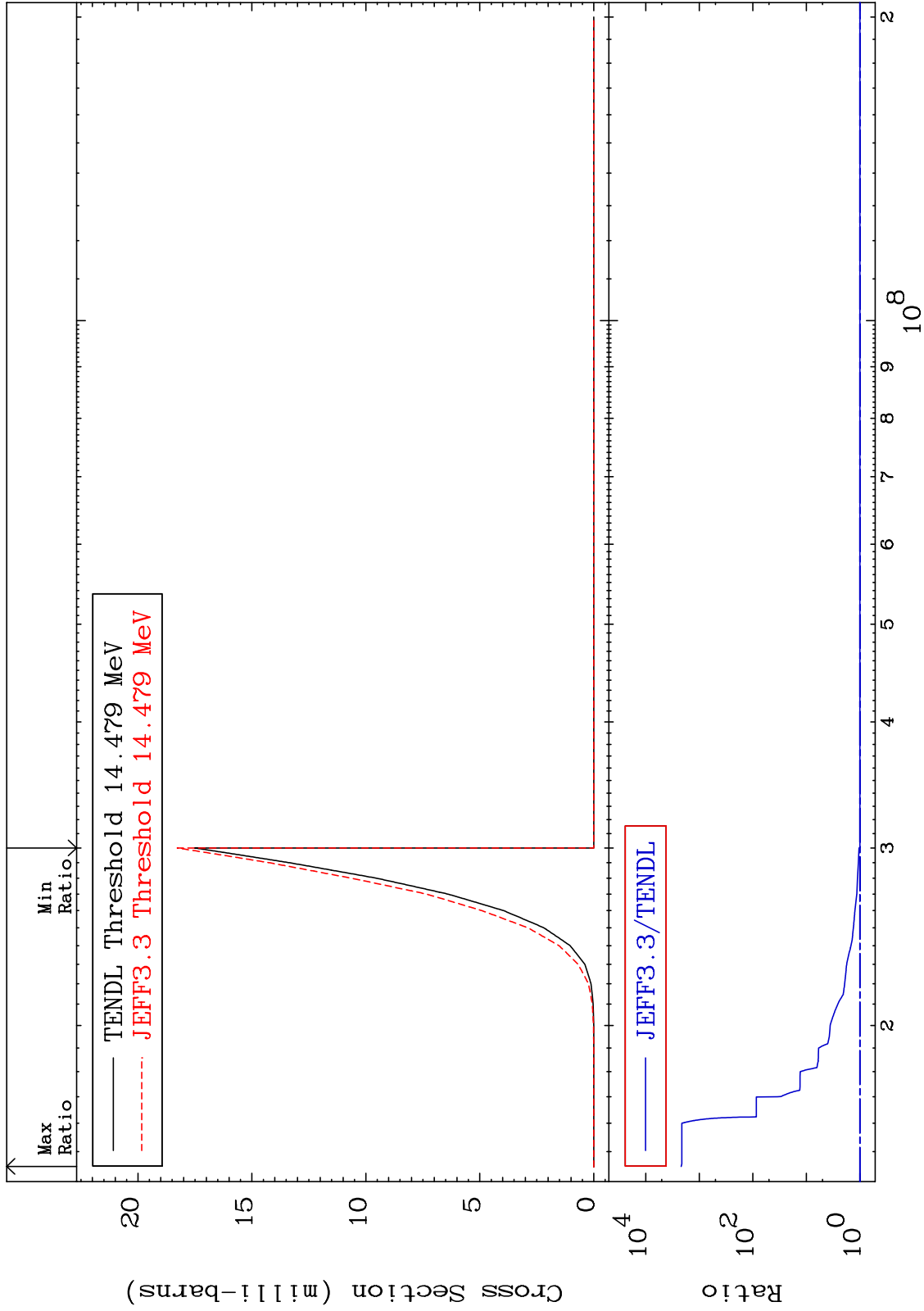


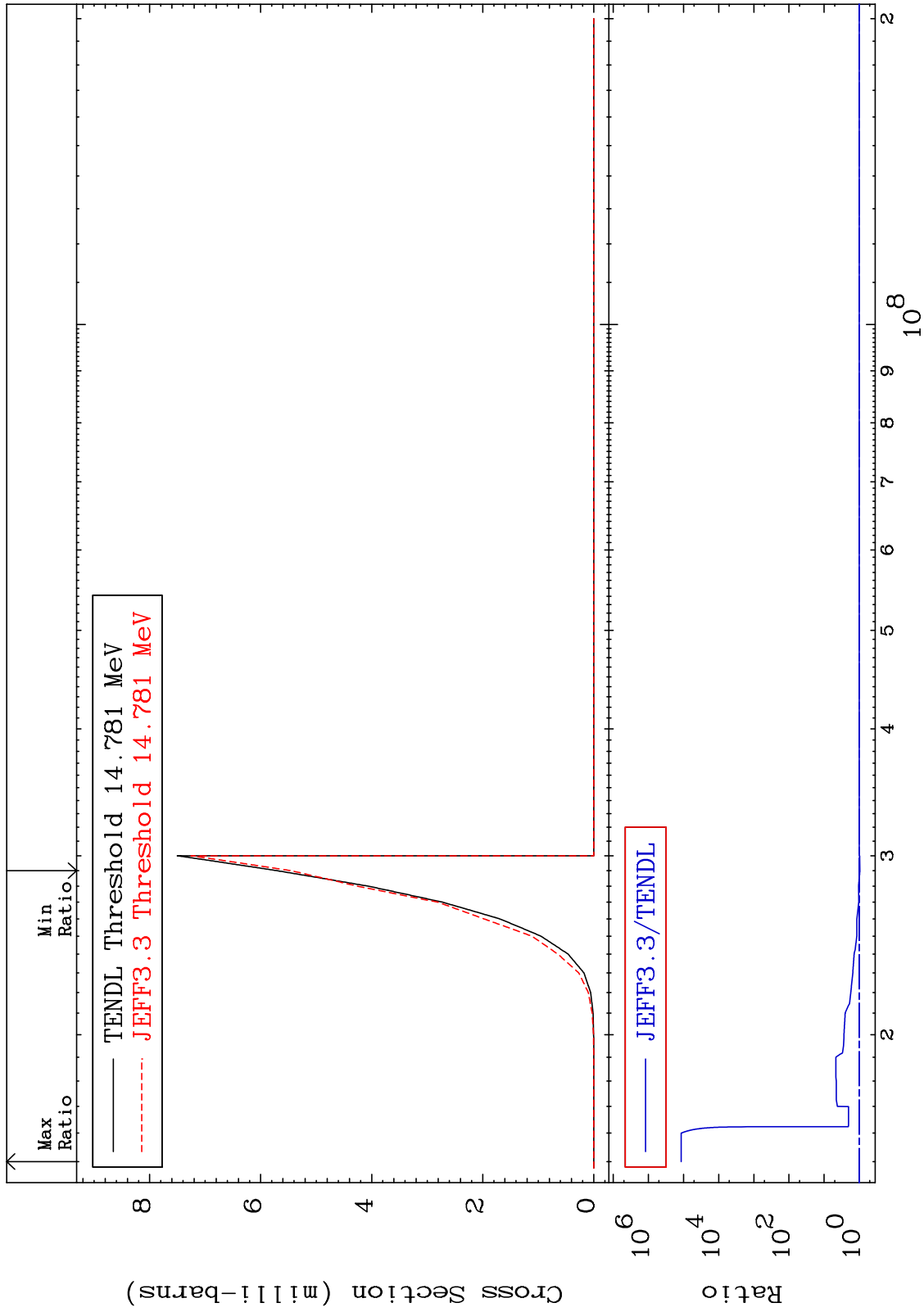
85

Incident Energy (eV)

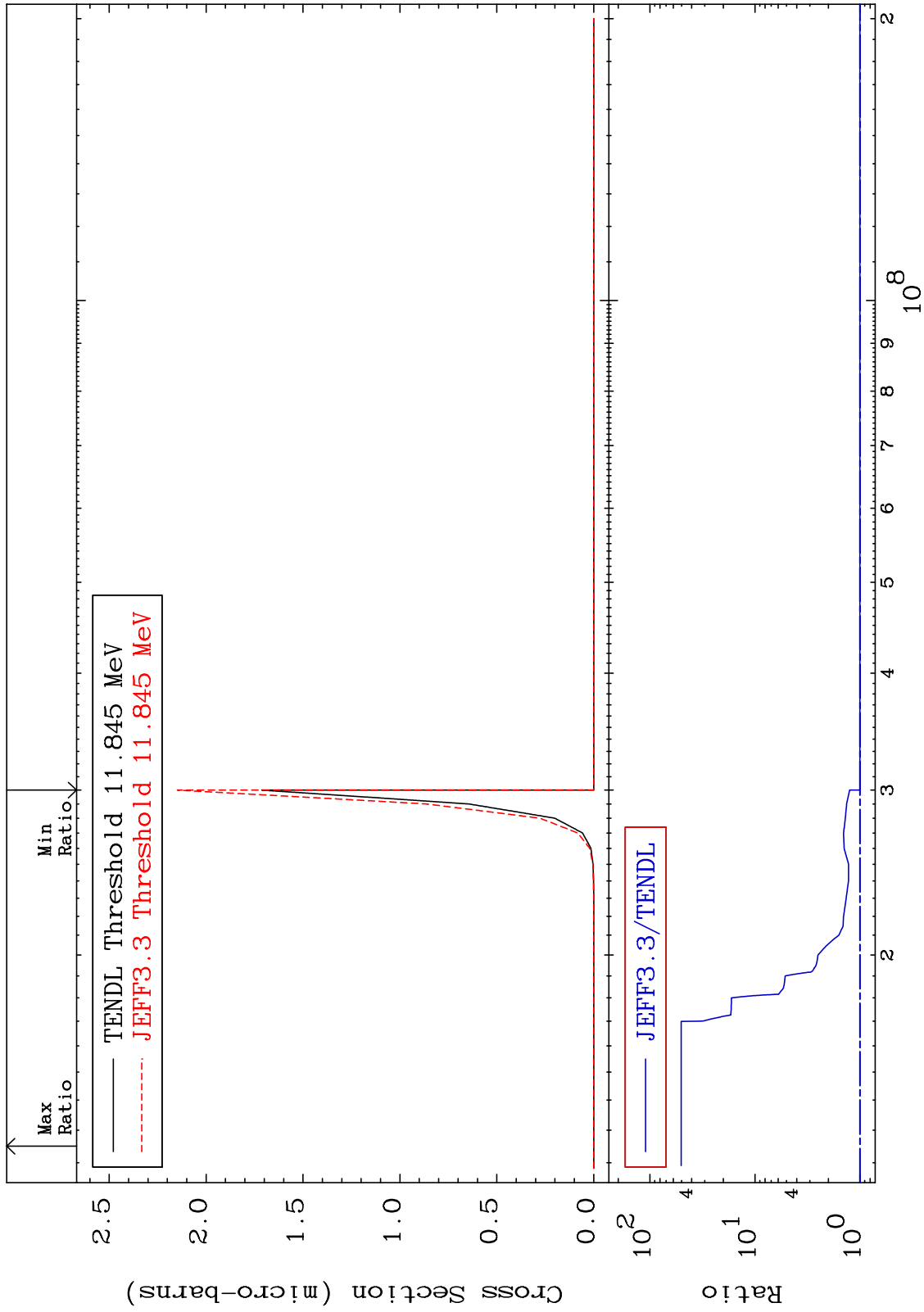
74-W -180

Radionuclide Production Cross Section 0.000 To 9999. %





Radionuclide Production Cross Section 0.000 To 4930. %

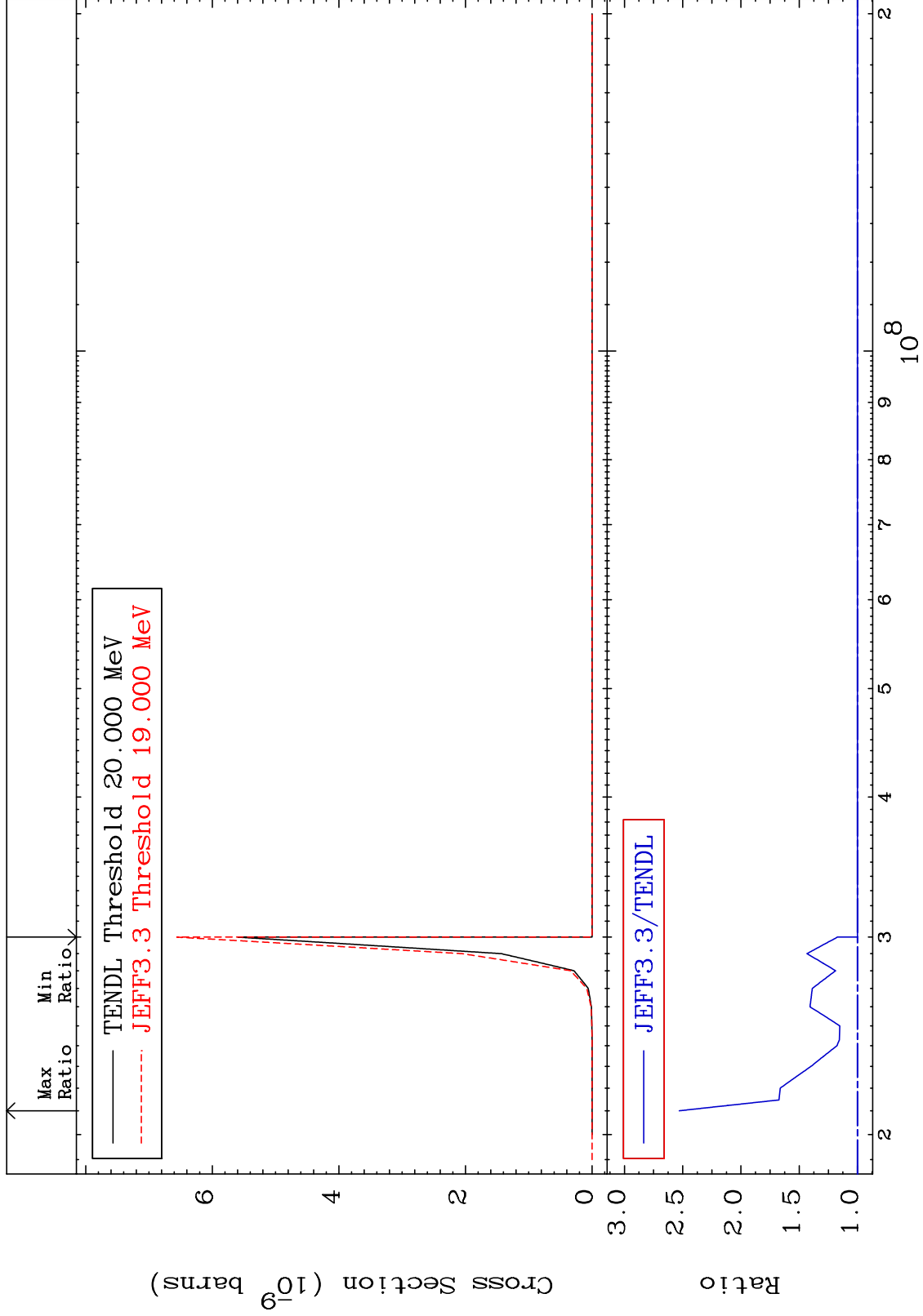


MAT 7425

(n,2n) p:72-Hf-178m5

74-W -180

Radionuclide Production Cross Section 0.000 To 152.9 %

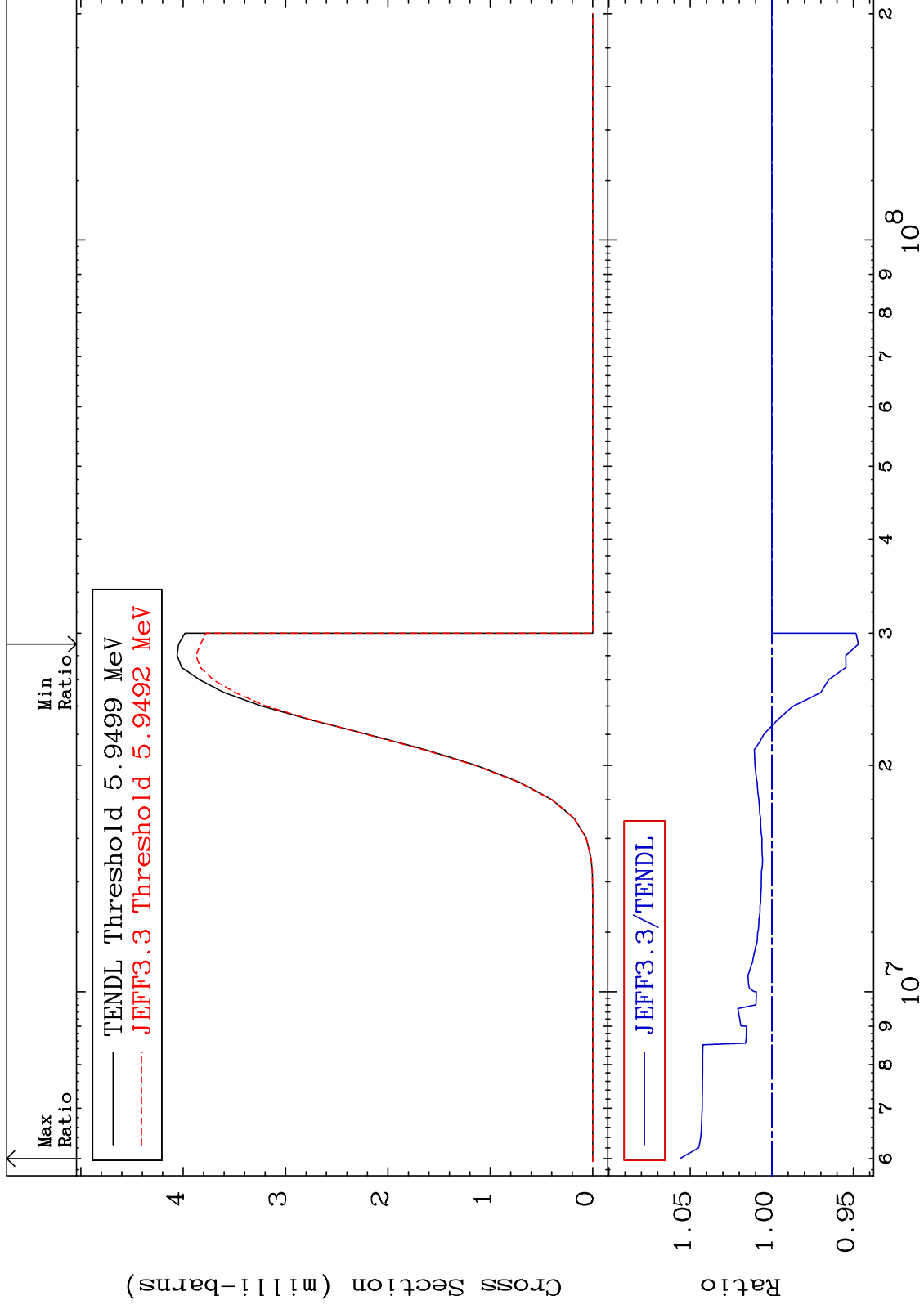


MAT 7425

(n, t): 73-Ta-178g

74-W -180

Radionuclide Production Cross Section -5.310 To 5.631 %



90

Incident Energy (eV)

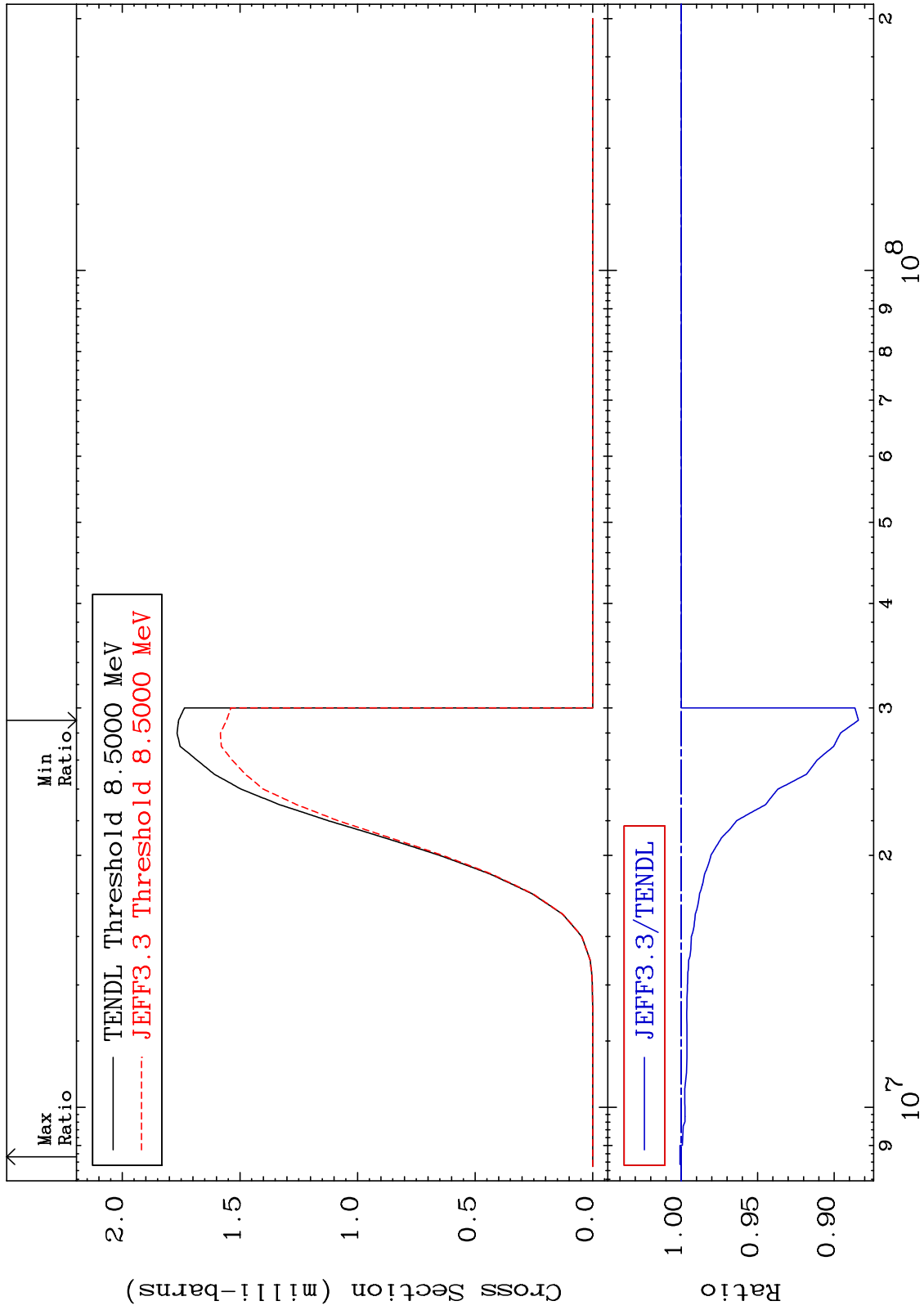
74-W -180

MAT 7425

(n, t): 73-Ta-178m1

74-W -180

Radionuclide Production Cross Section -11.59 To 0.078 %



91

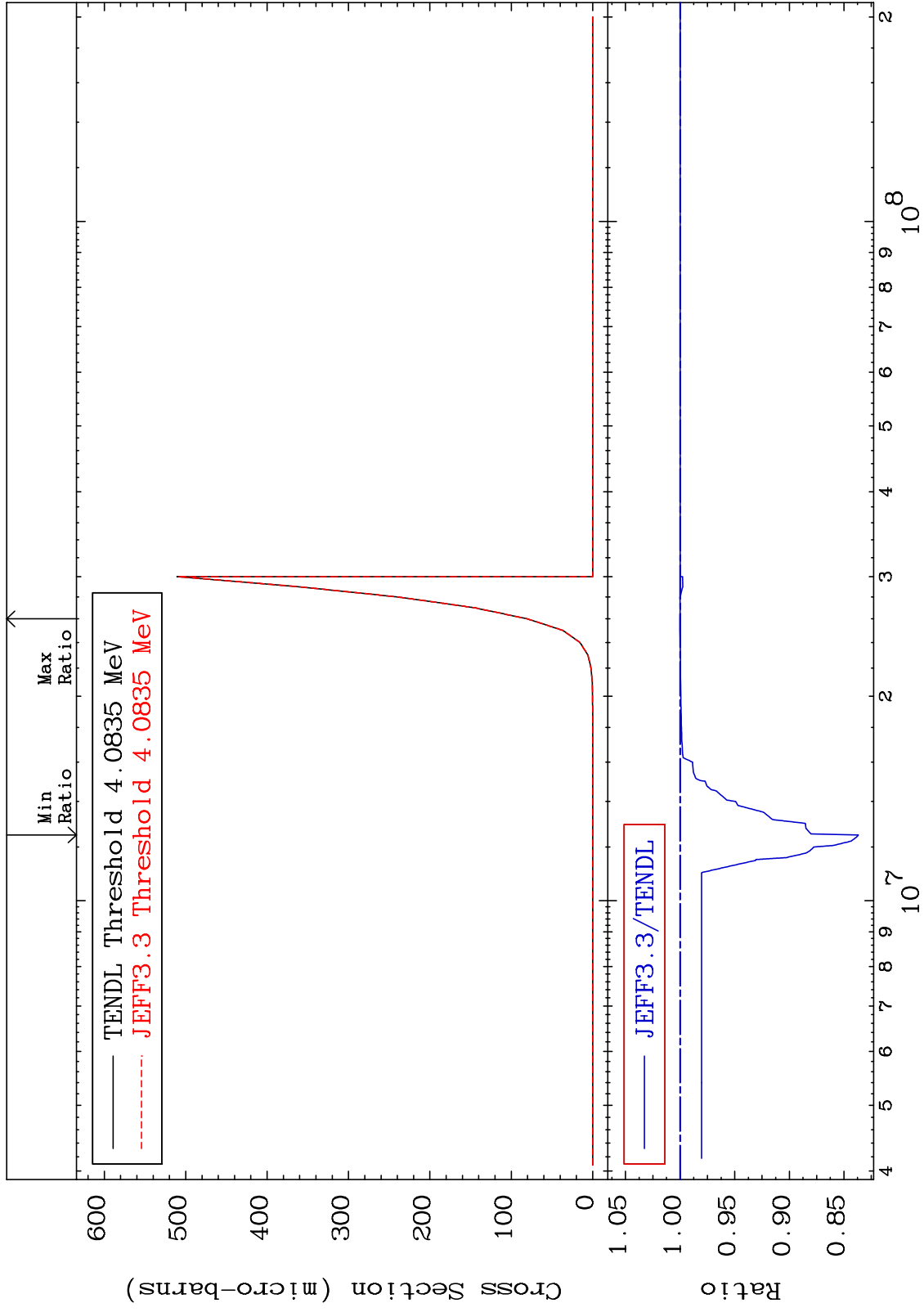
Incident Energy (eV)

74-W -180

MAT 7425

(n,He-3):72-Hf-178g
Radionuclide Production Cross Section -16.32 To 0.009 %

74-W -180



92

Incident Energy (eV)

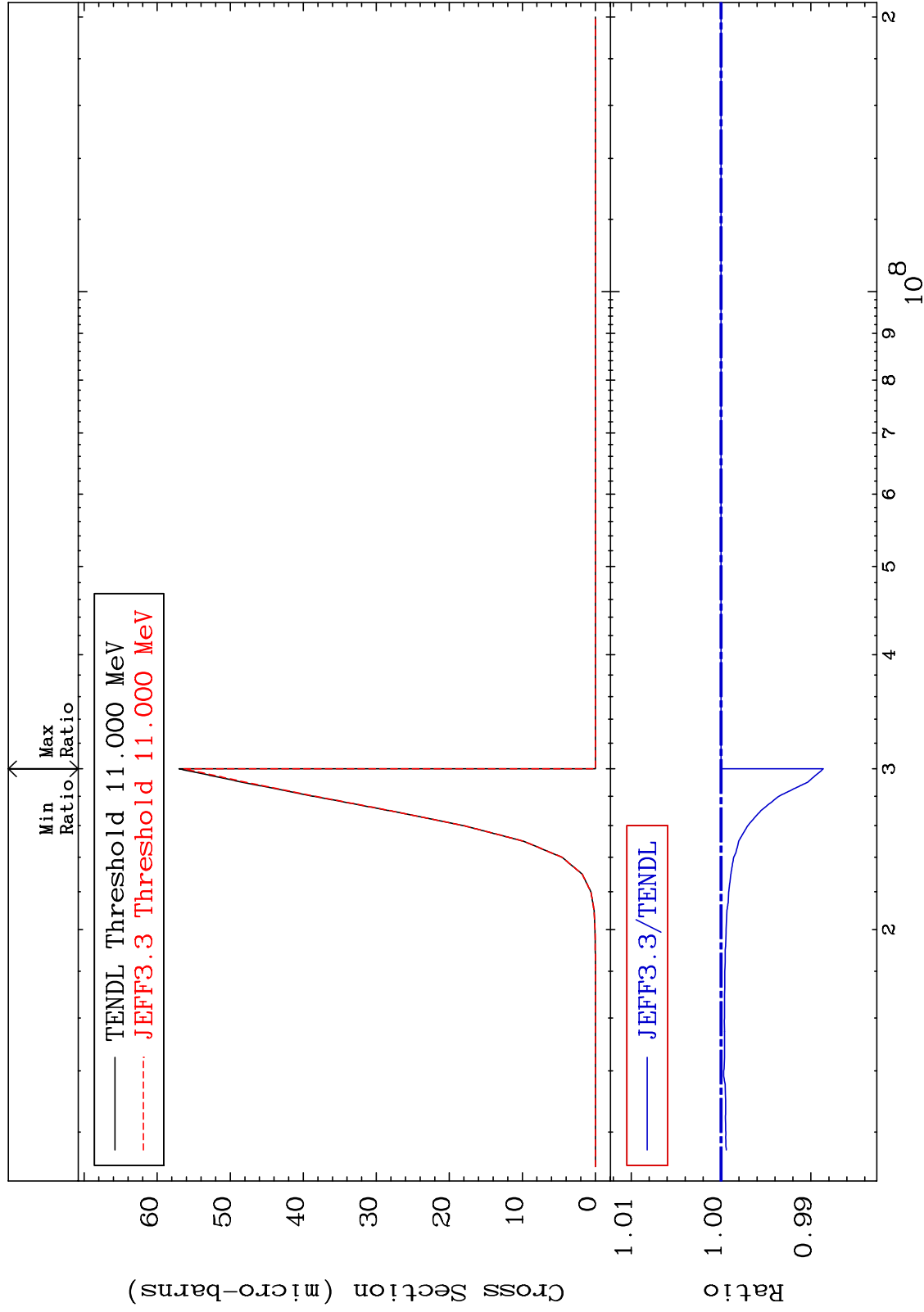
74-W -180

MAT 7425

(n, He-3) : 72-Hf-178m5

74-W -180

Radionuclide Production Cross Section -1.139 To 0.000 %



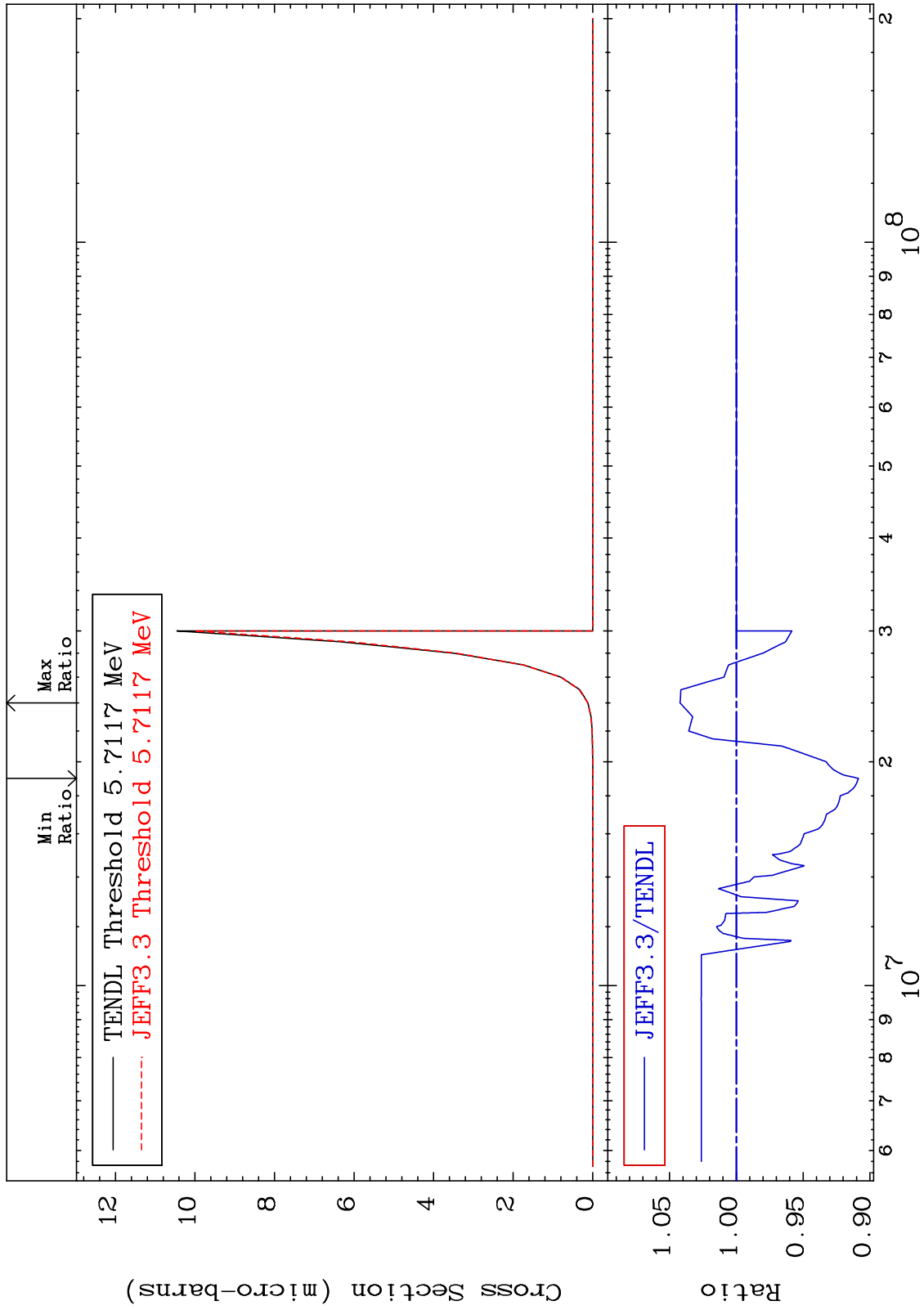
93

Incident Energy (eV)

74-W -180

MAT 7425

(n,2p):72-Hf-179g 74-W -180
Radionuclide Production Cross Section -9.142 To 4.218 %



94

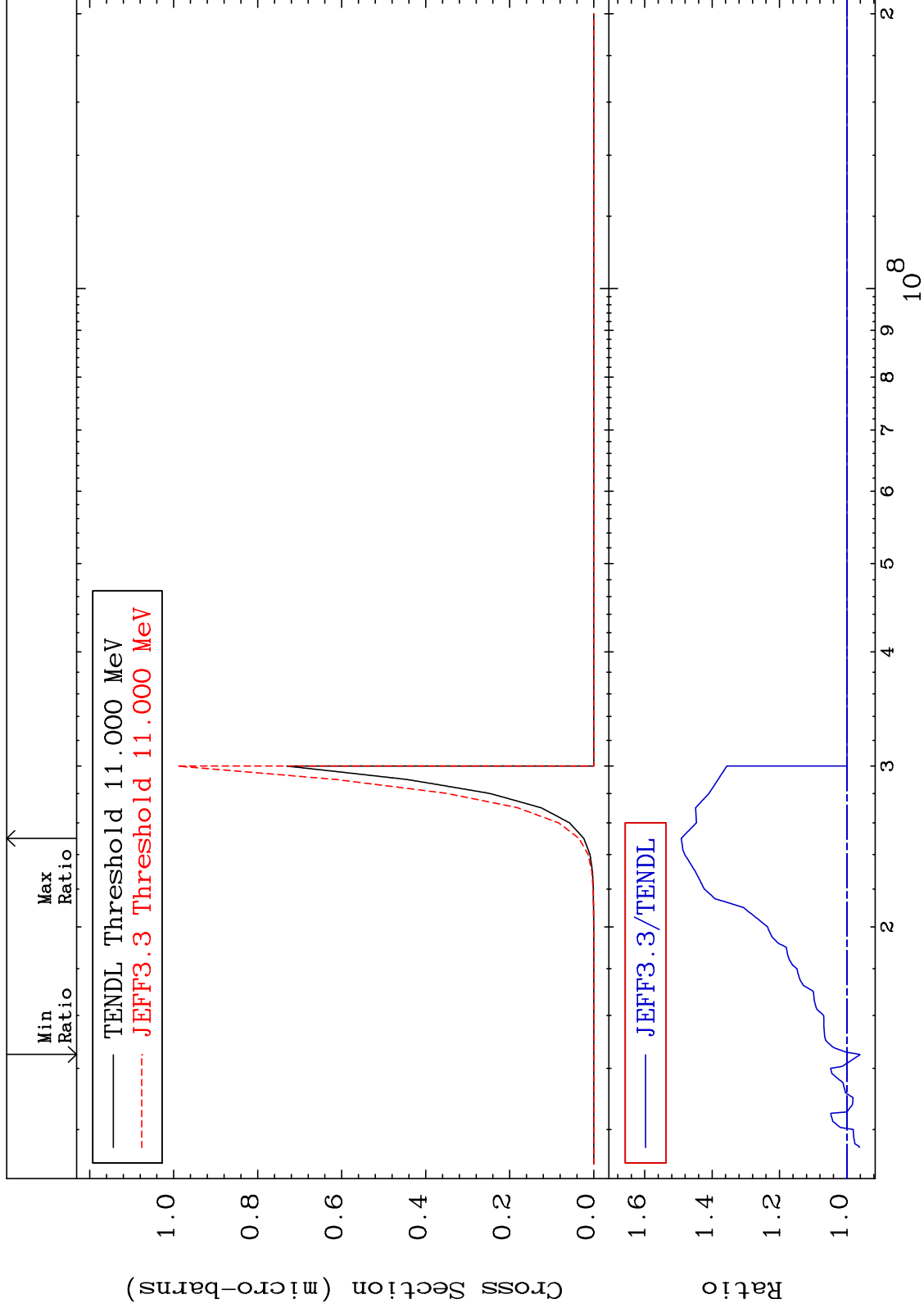
74-W -180

MAT 7425

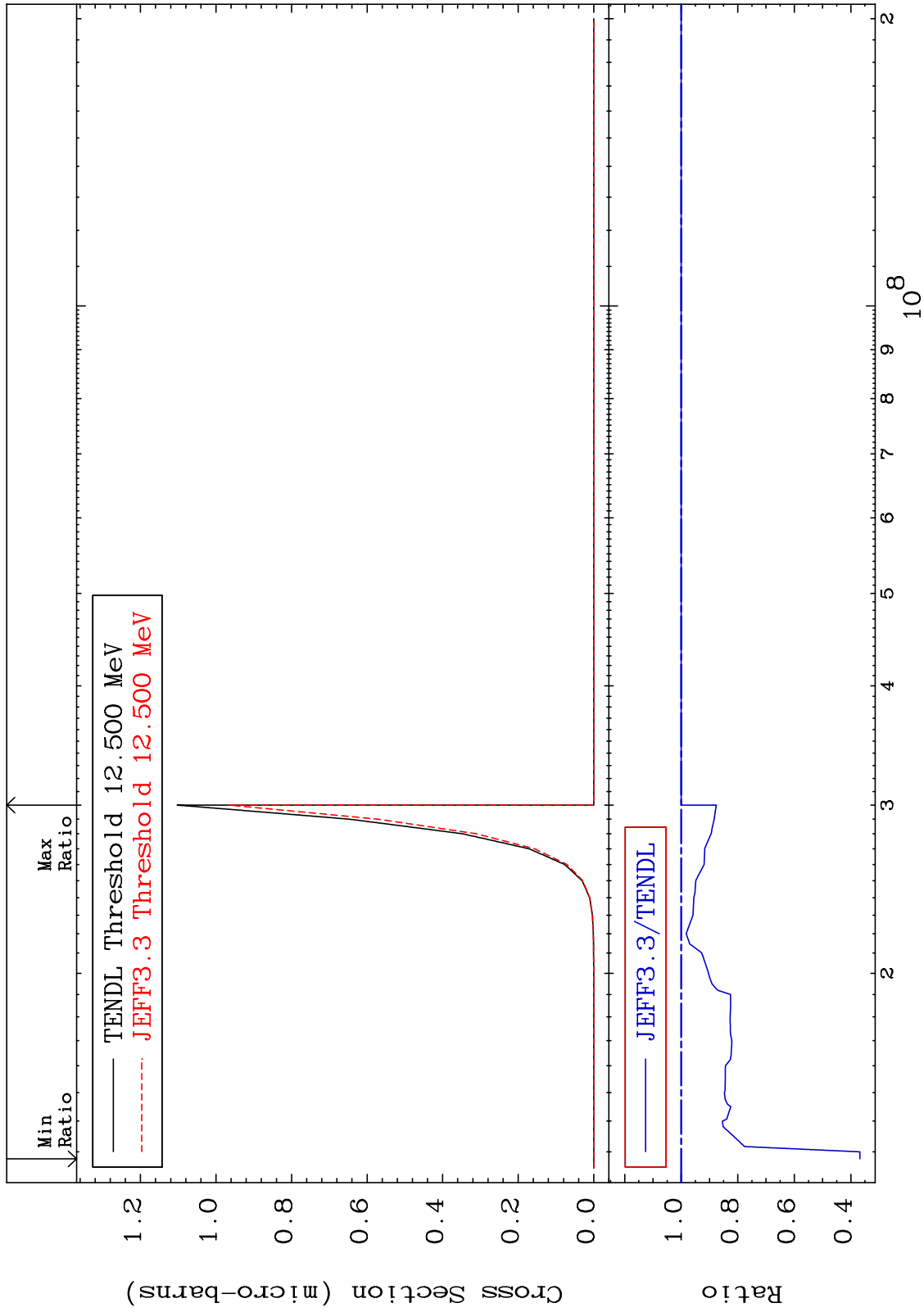
(n,2p):72-Hf-179m5

74-W -180

Radionuclide Production Cross Section -3.863 To 49.17 %



Radionuclide Production Cross Section -63.21 To 0.000 %

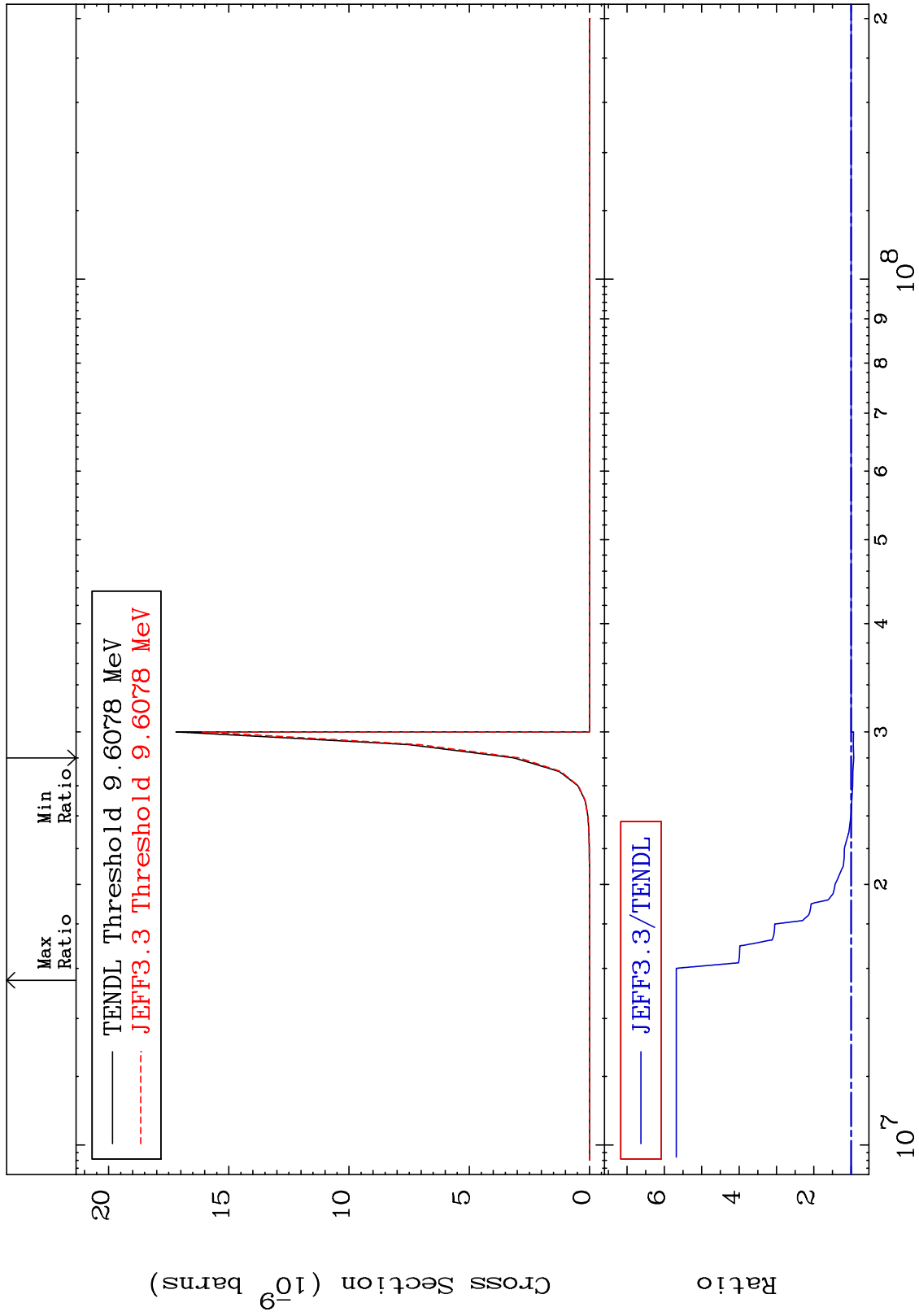


MAT 7425

74-W -180

(n, p) d:72-Hf-178g

Radionuclide Production Cross Section -7.147 To 468.0 %



74-W -180

Incident Energy (eV)

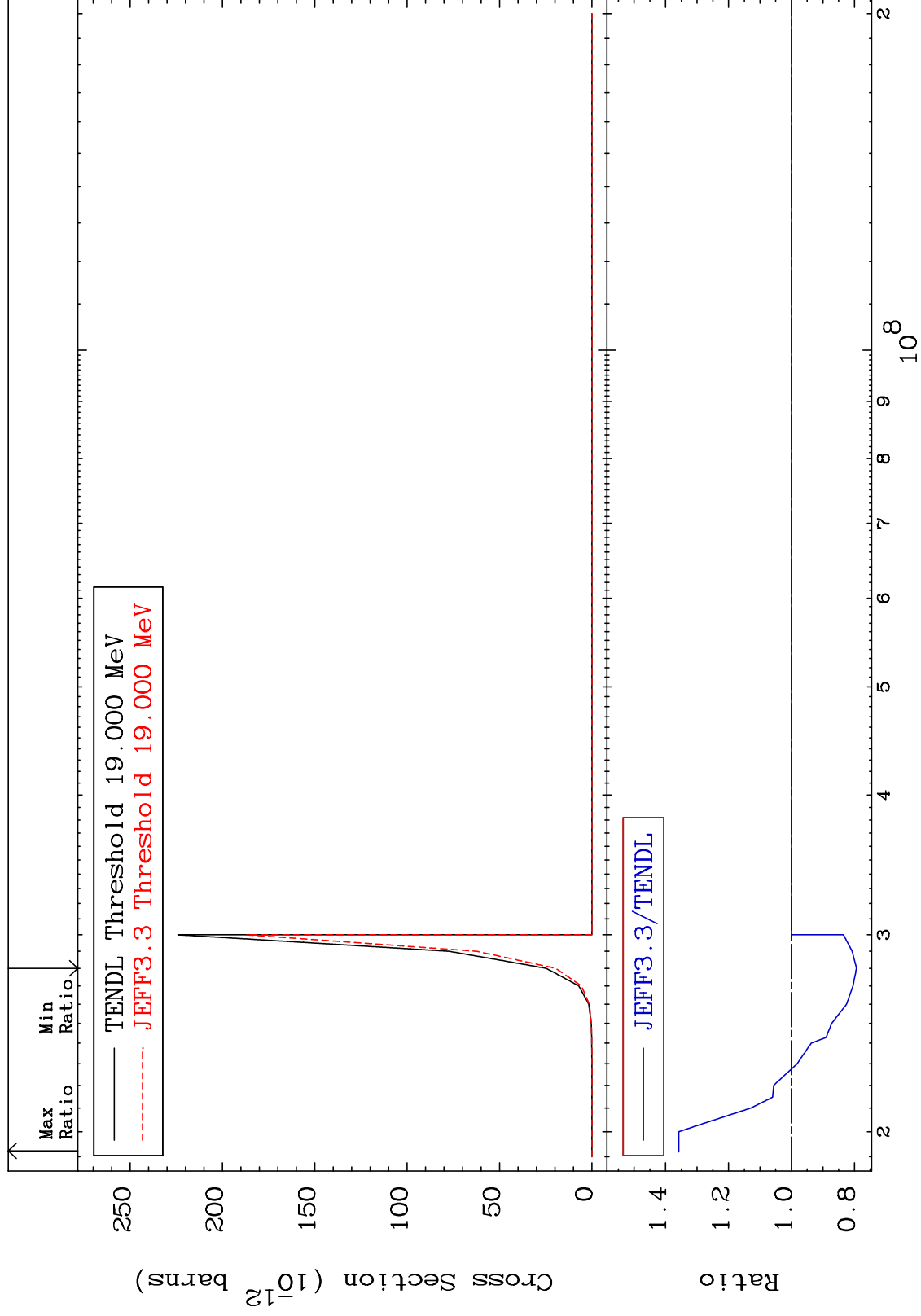
97

MAT 7425

(n, p) d:72-Hf-178m5

74-W -180

Radionuclide Production Cross Section -20.66 To 35.79 %



98

Incident Energy (eV)

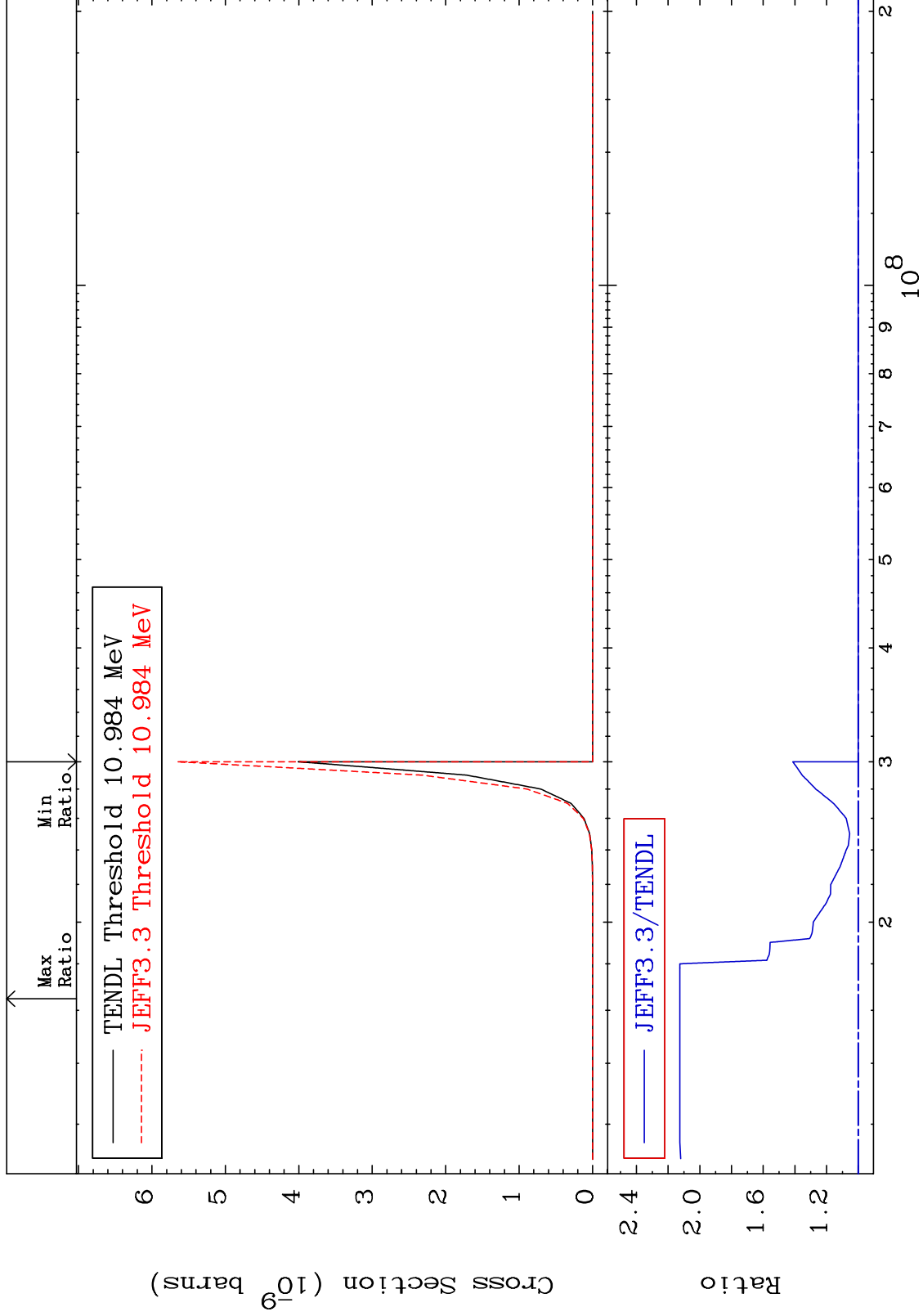
74-W -180

MAT 7425

(n, p) t:72-Hf-177g

74-W -180

Radionuclide Production Cross Section 0.000 To 112.6 %

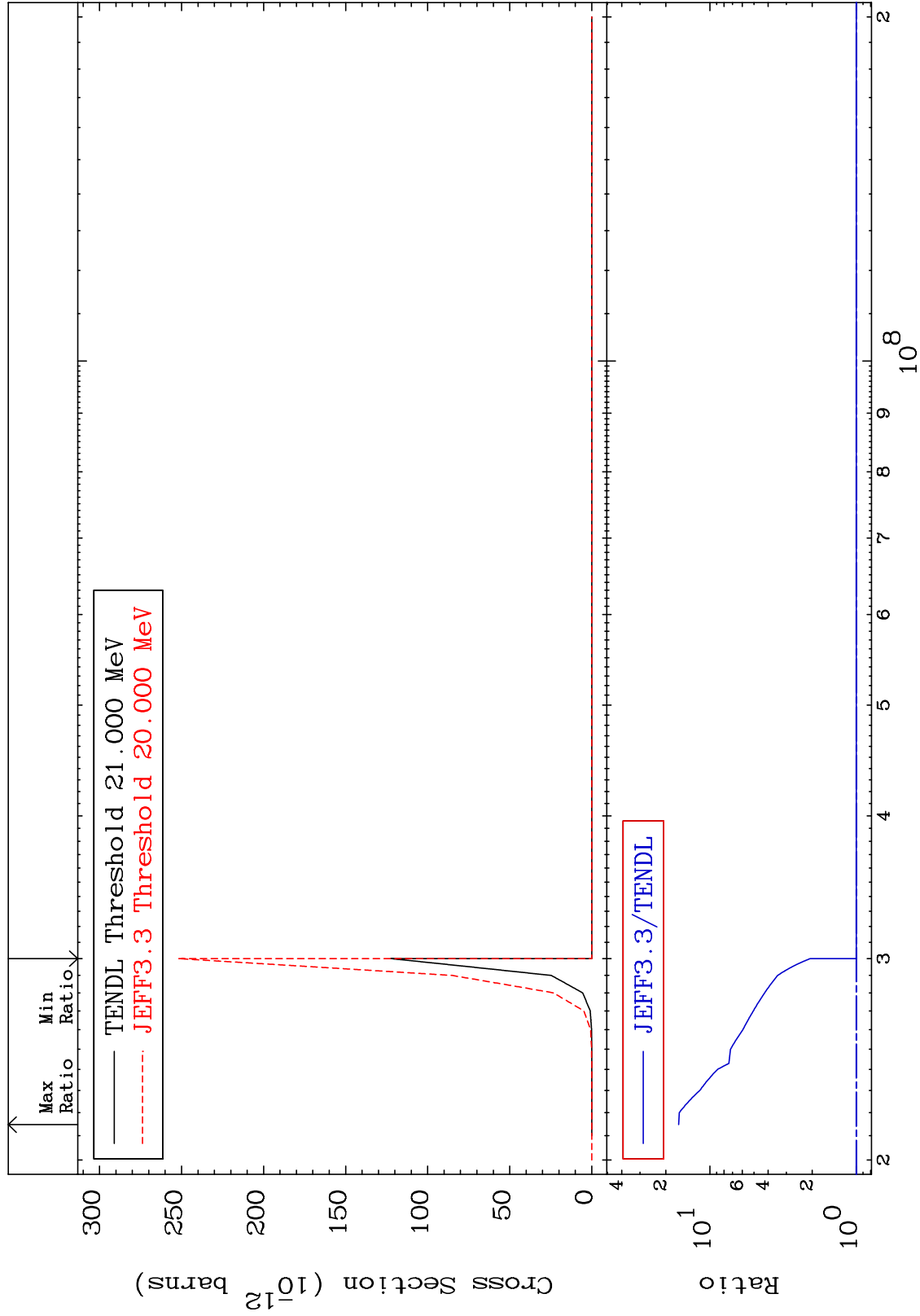


MAT 7425

(n, p) t: 72-Hf-177m10

74-W -180

Radionuclide Production Cross Section 0.000 To 1531. %



100

Incident Energy (eV)

74-W -180