

Program Complot
(Version 2018-1)

by

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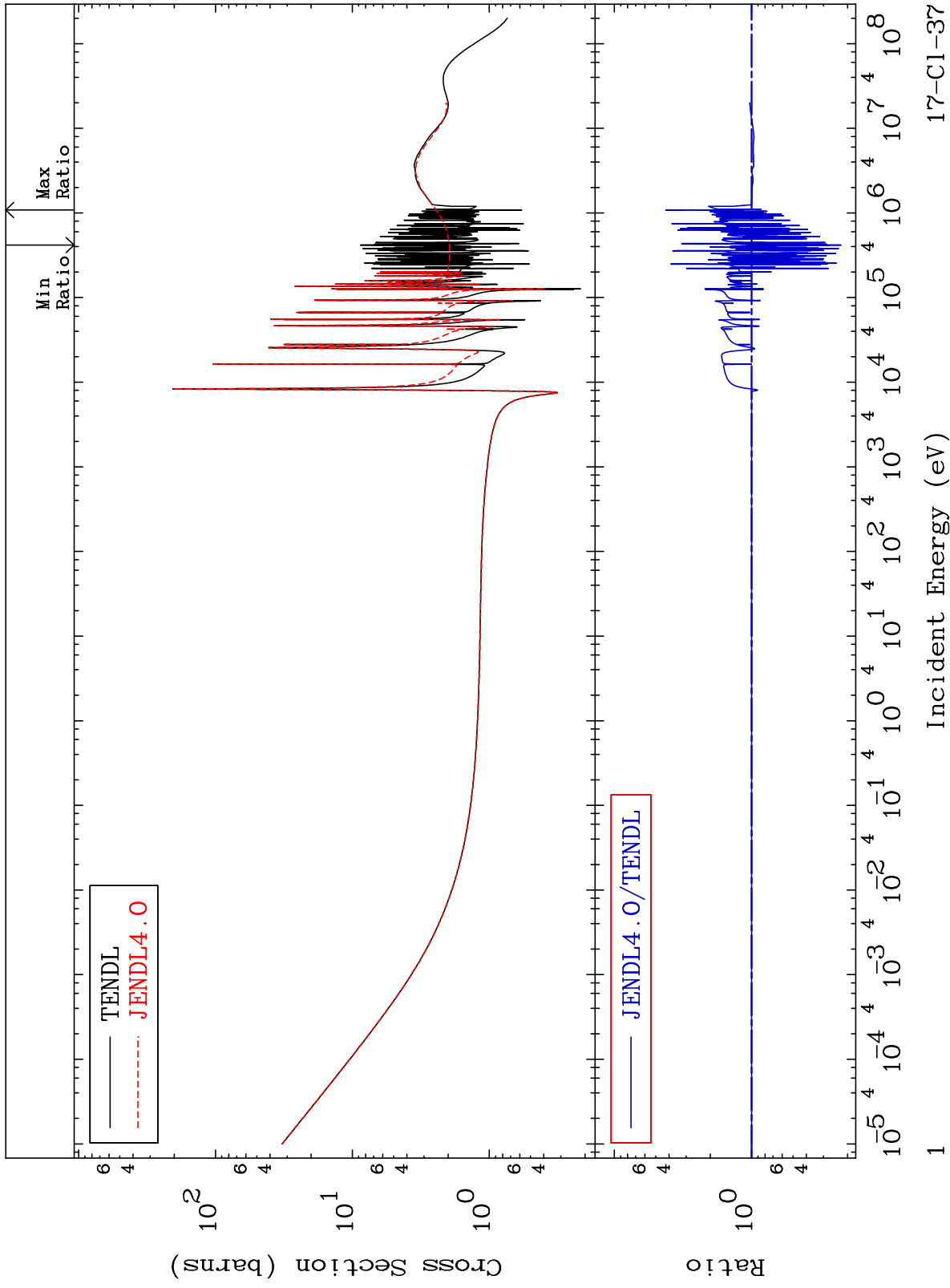
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1731

Total
Cross Section

17-CI-37
-77.57 To 321.3 %

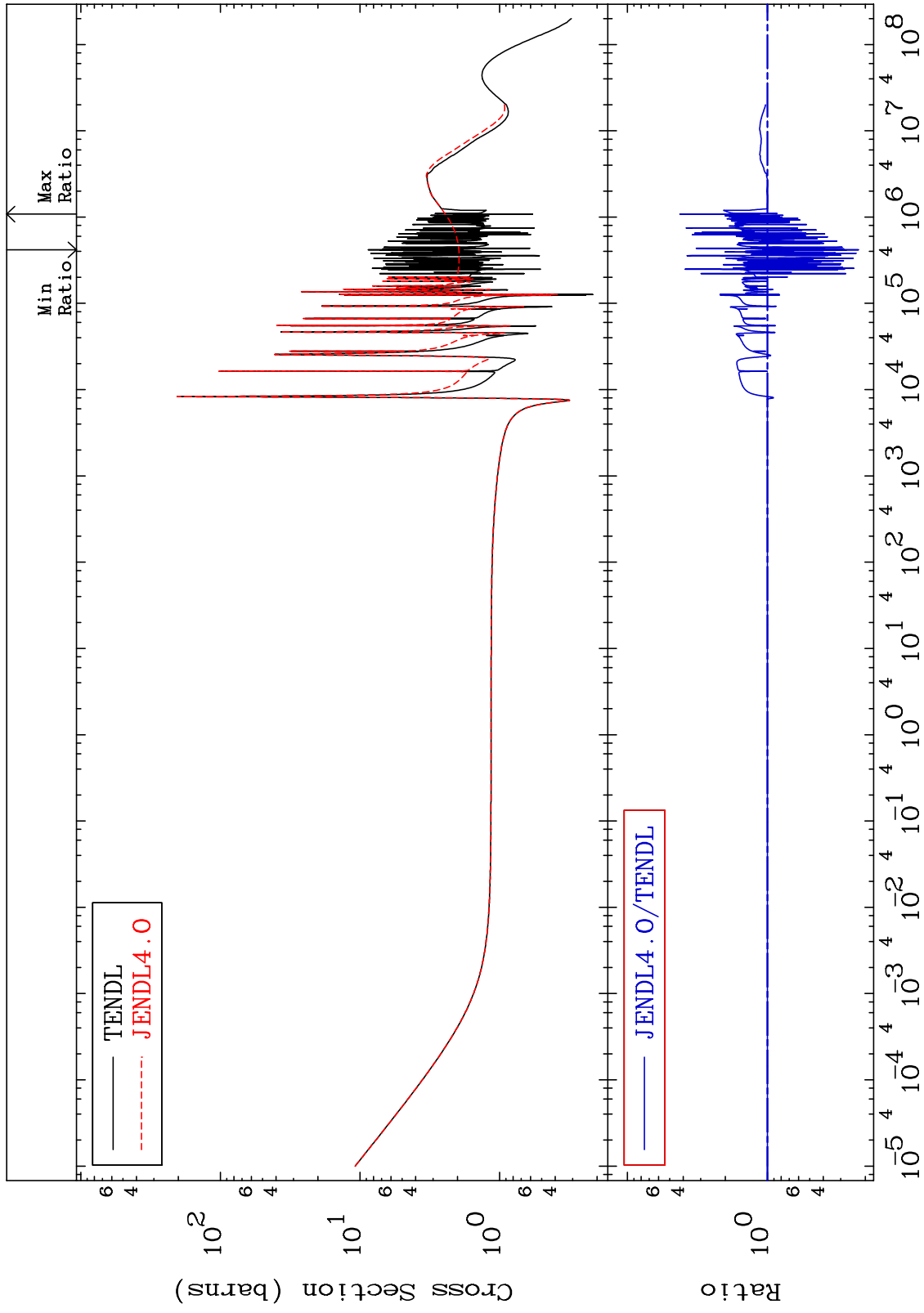


17-CI-37

MAT 1731

Elastic
Cross Section

17-Cl-37
-77.57 To 321.5 %



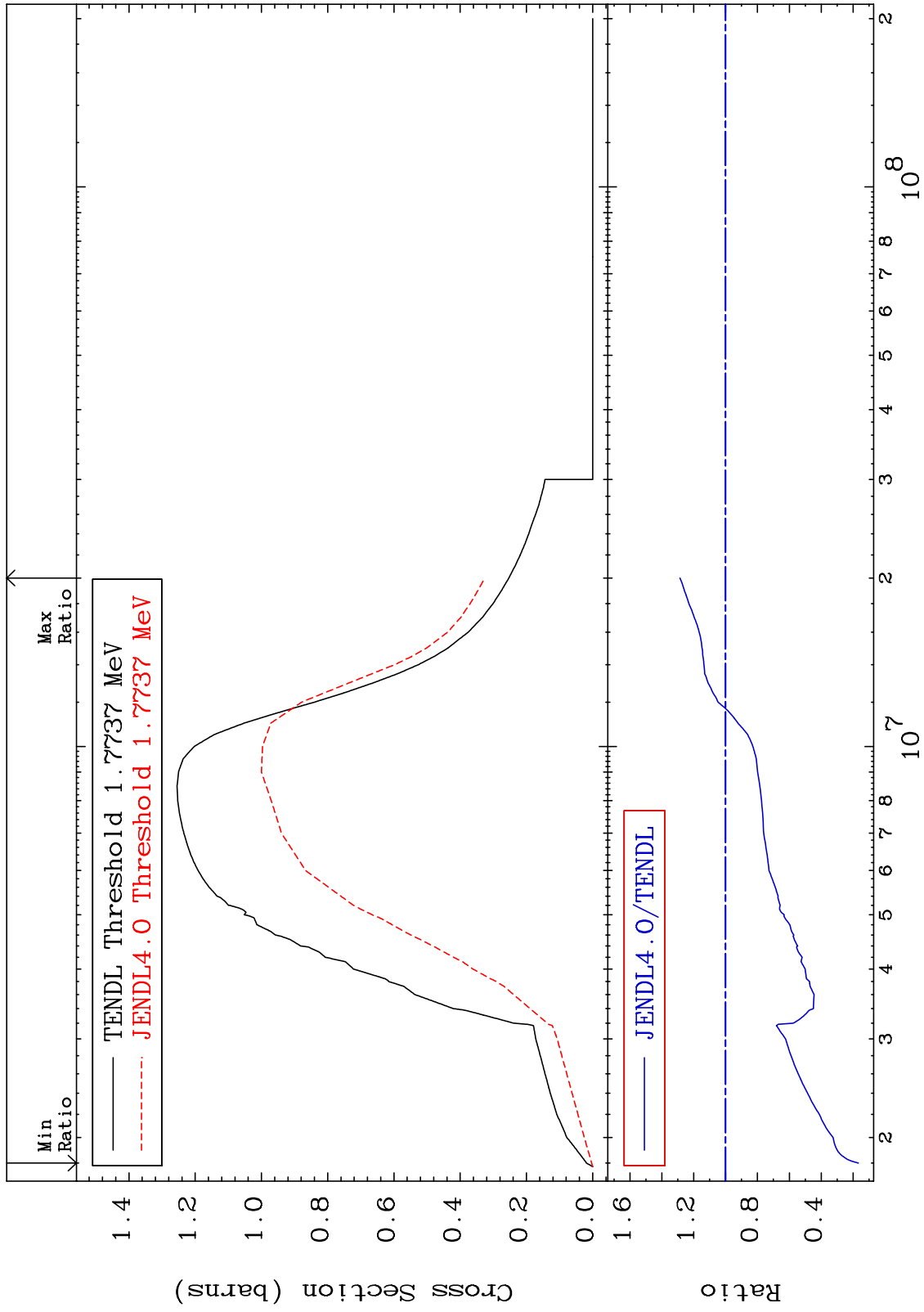
Incident Energy (eV)

17-Cl-37

MAT 1731

Inelastic
Cross Section

17-Cl-37
-83.32 To 28.59 %

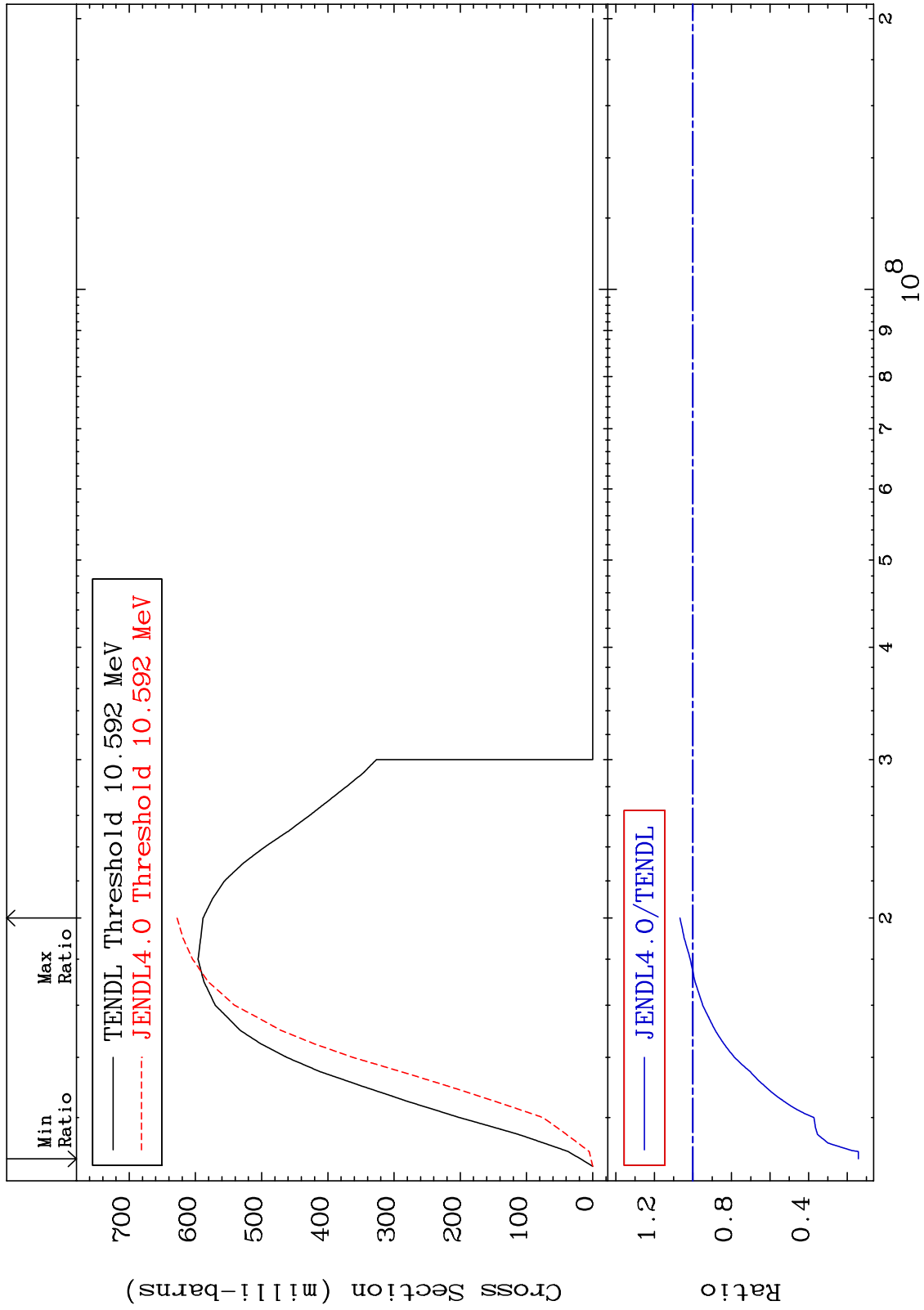


3

Incident Energy (eV)

17-Cl-37

MAT 1731 (n,2n) 17-Cl-37
 Cross Section -85.82 To 6.678 %



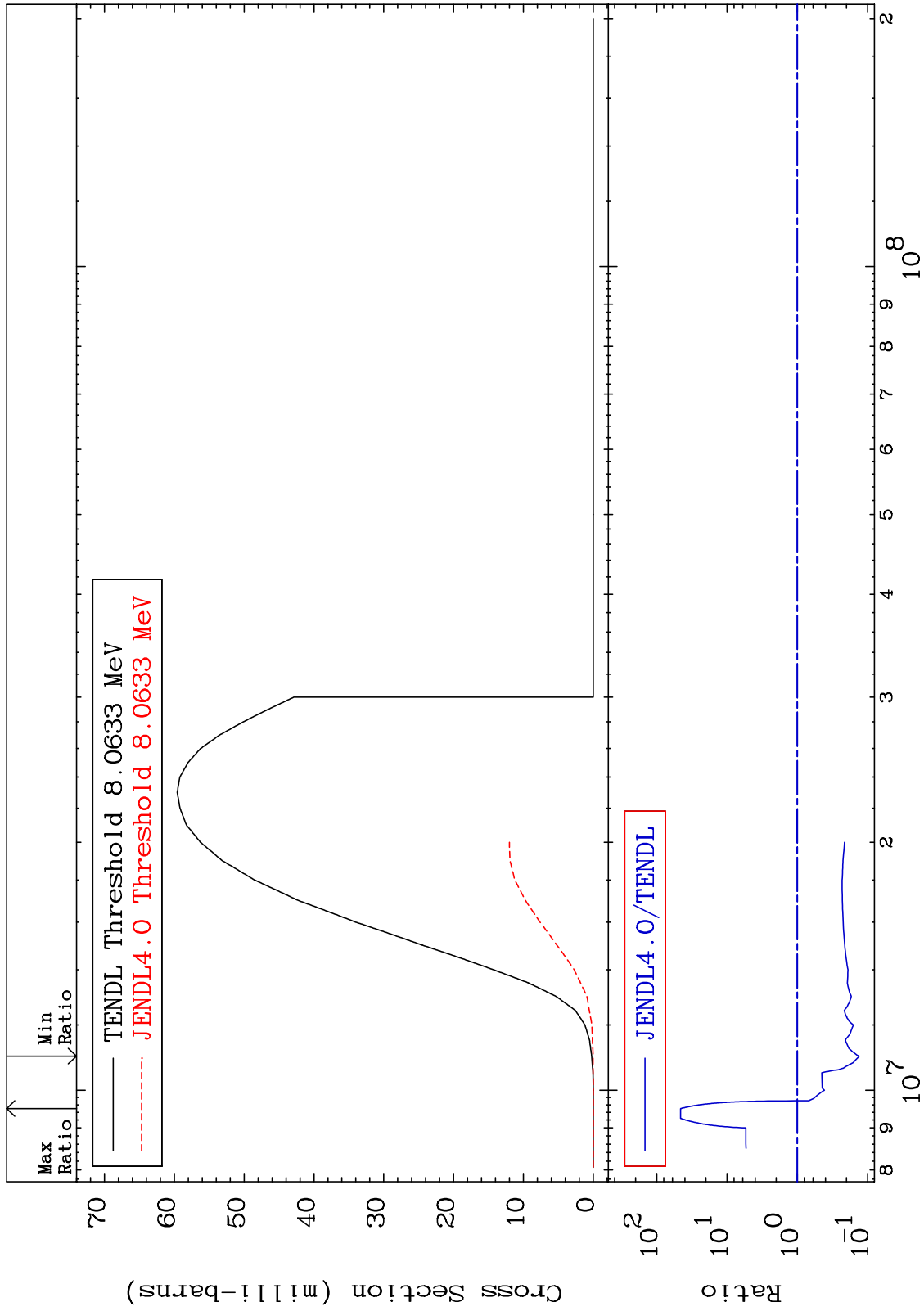
MAT 1731

(n,n') α

17-Cl-37

Cross Section

-86.76 To 4490. %



5

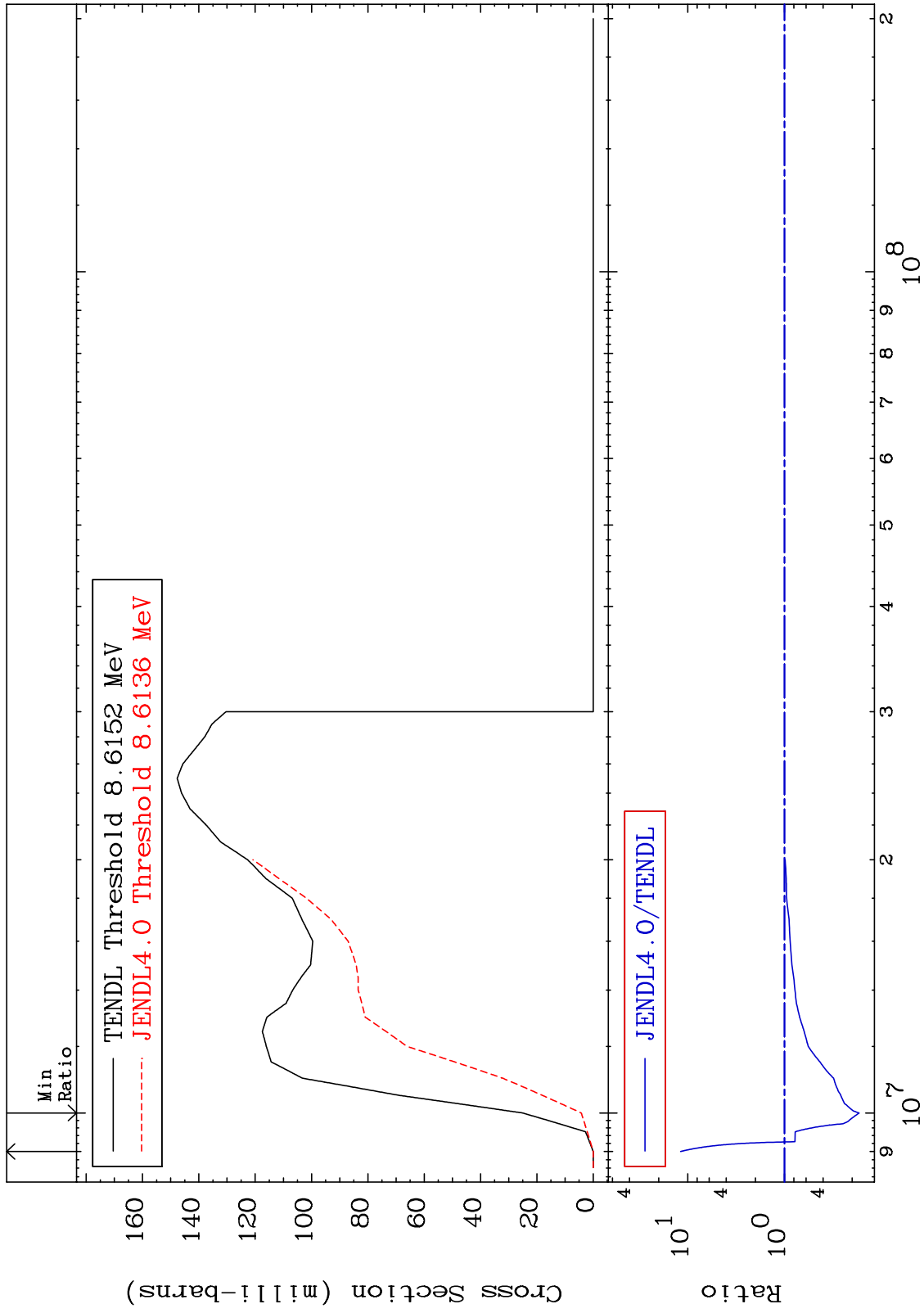
Incident Energy (eV)

17-Cl-37

MAT 1731

(n,n') p
Cross Section

17-Cl-37
-83.06 To 1085. %



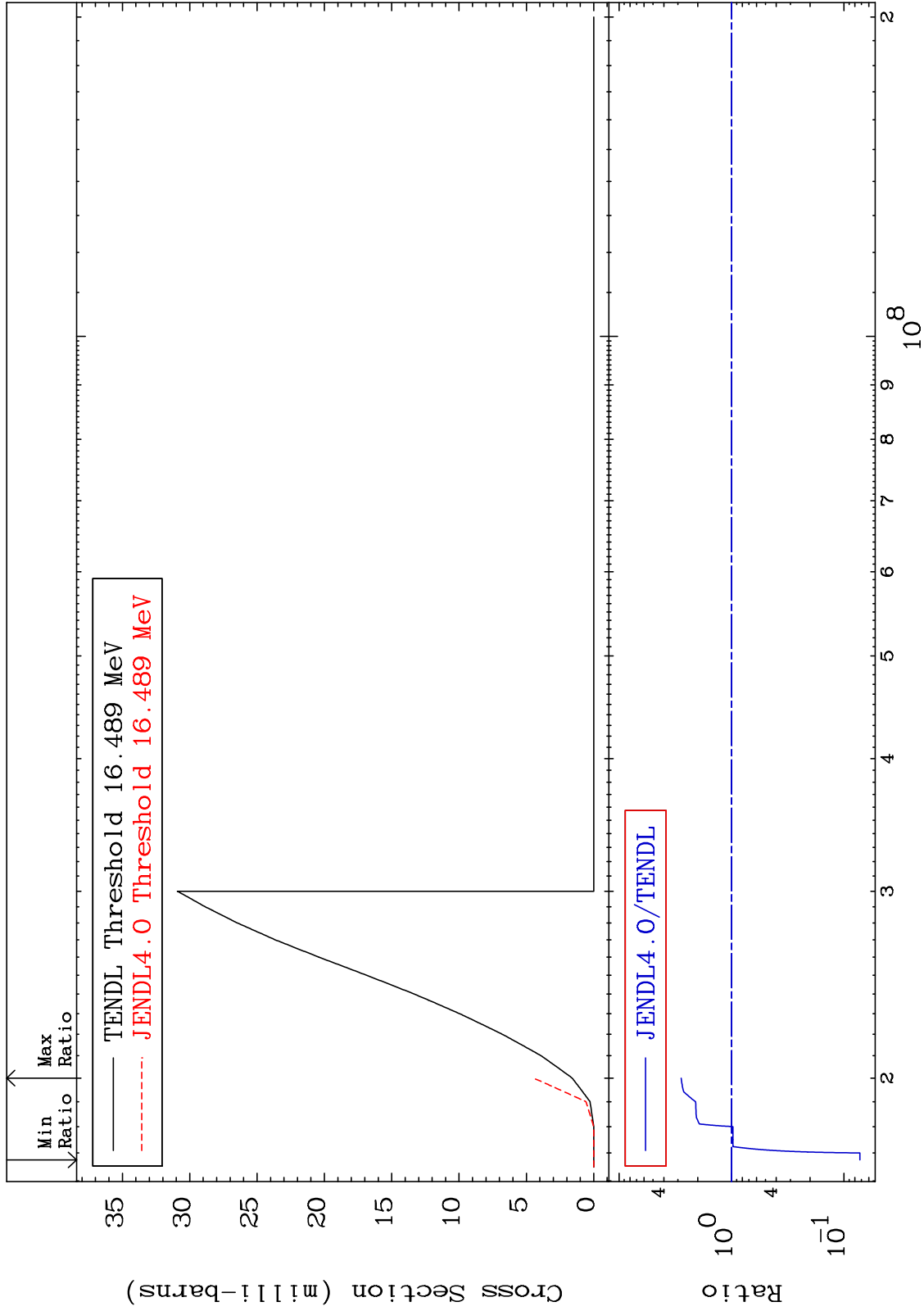
6

Incident Energy (eV)

17-Cl-37

Cross Section

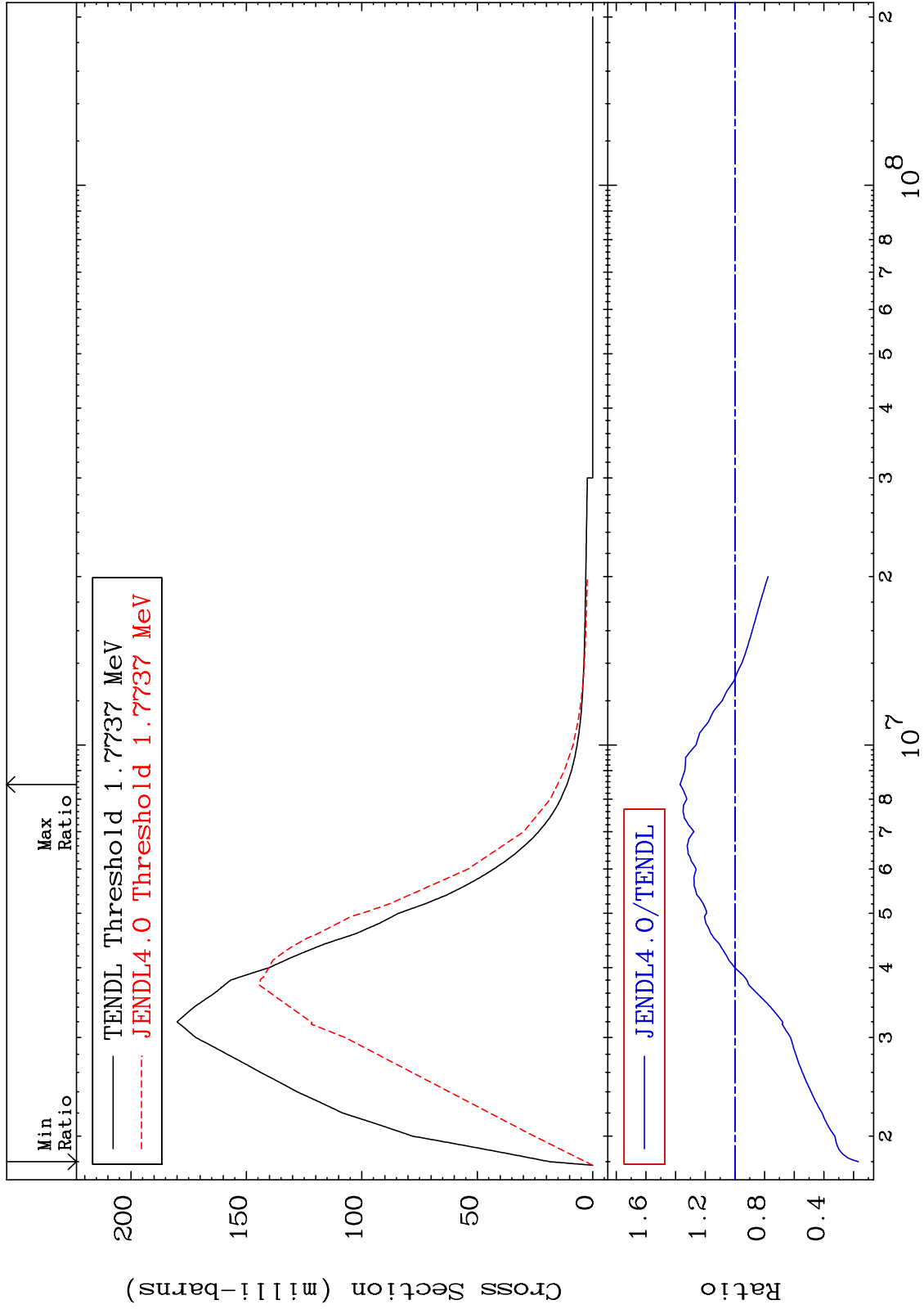
-92.78 To 180.1 %



MAT 1731

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

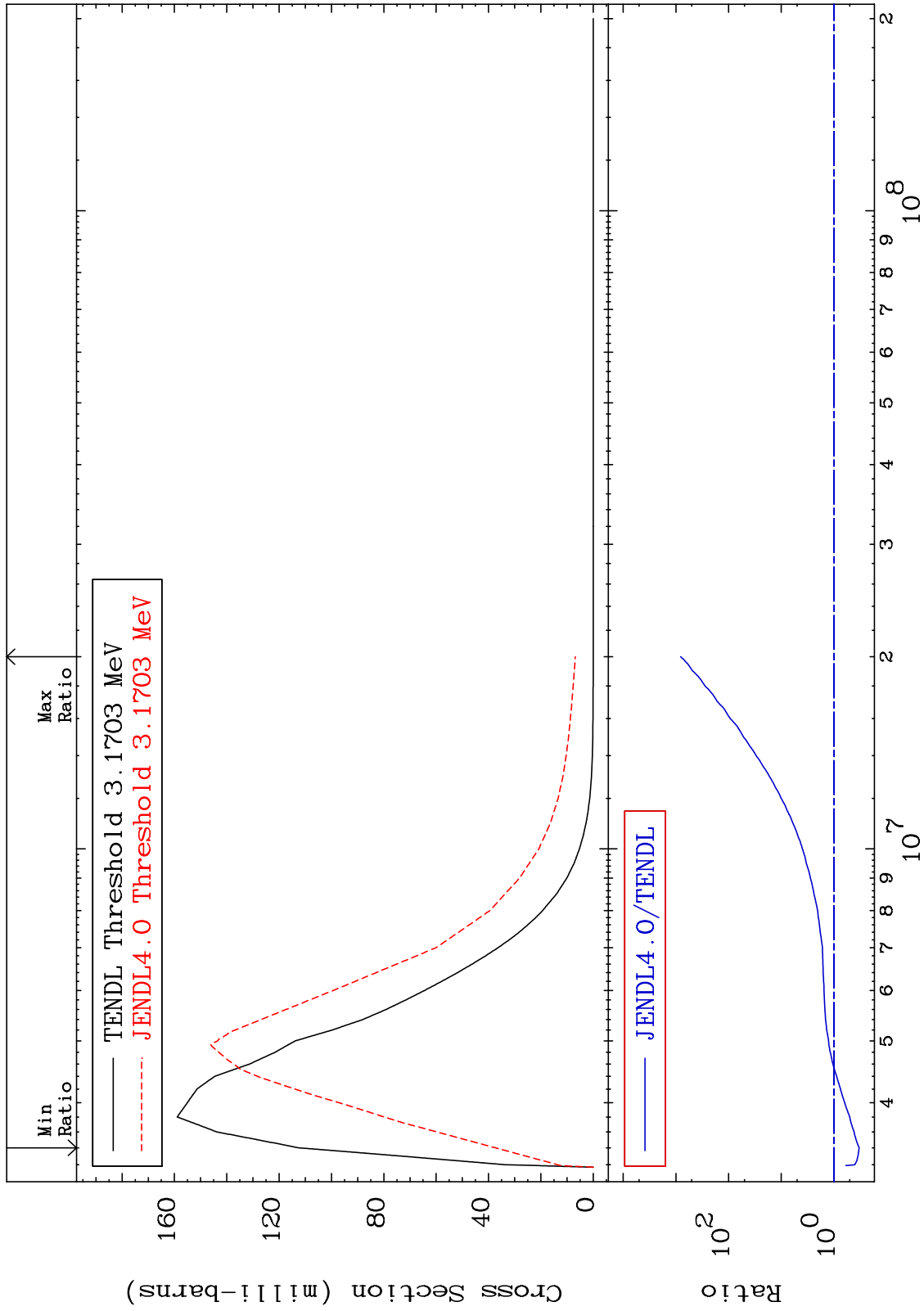
17-Cl-37
-83.32 To 36.96 %



MAT 1731

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

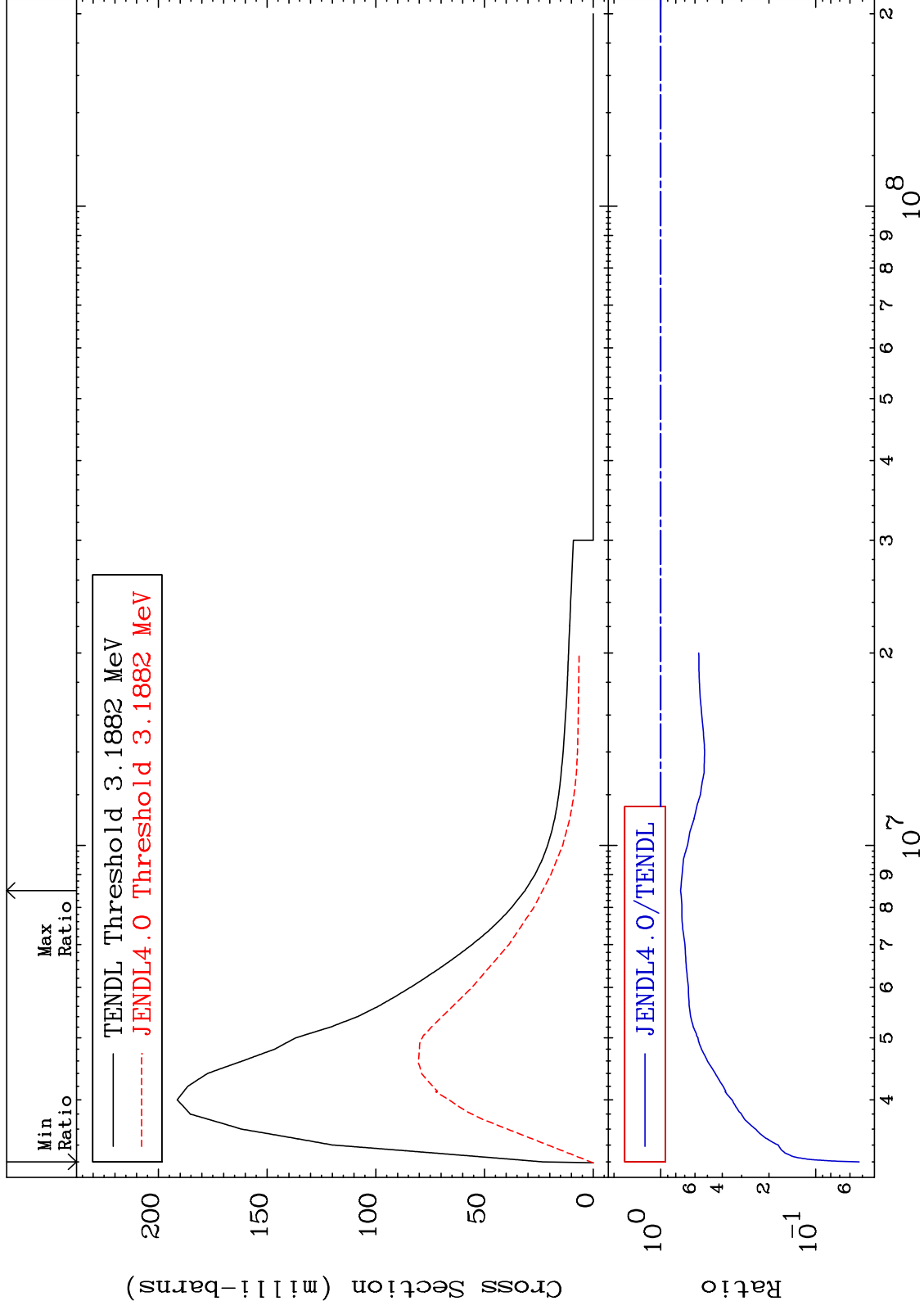
17-Cl-37
-66.78 To 9999. %



MAT 1731

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

17-Cl-37
-94.76 To -25.66%

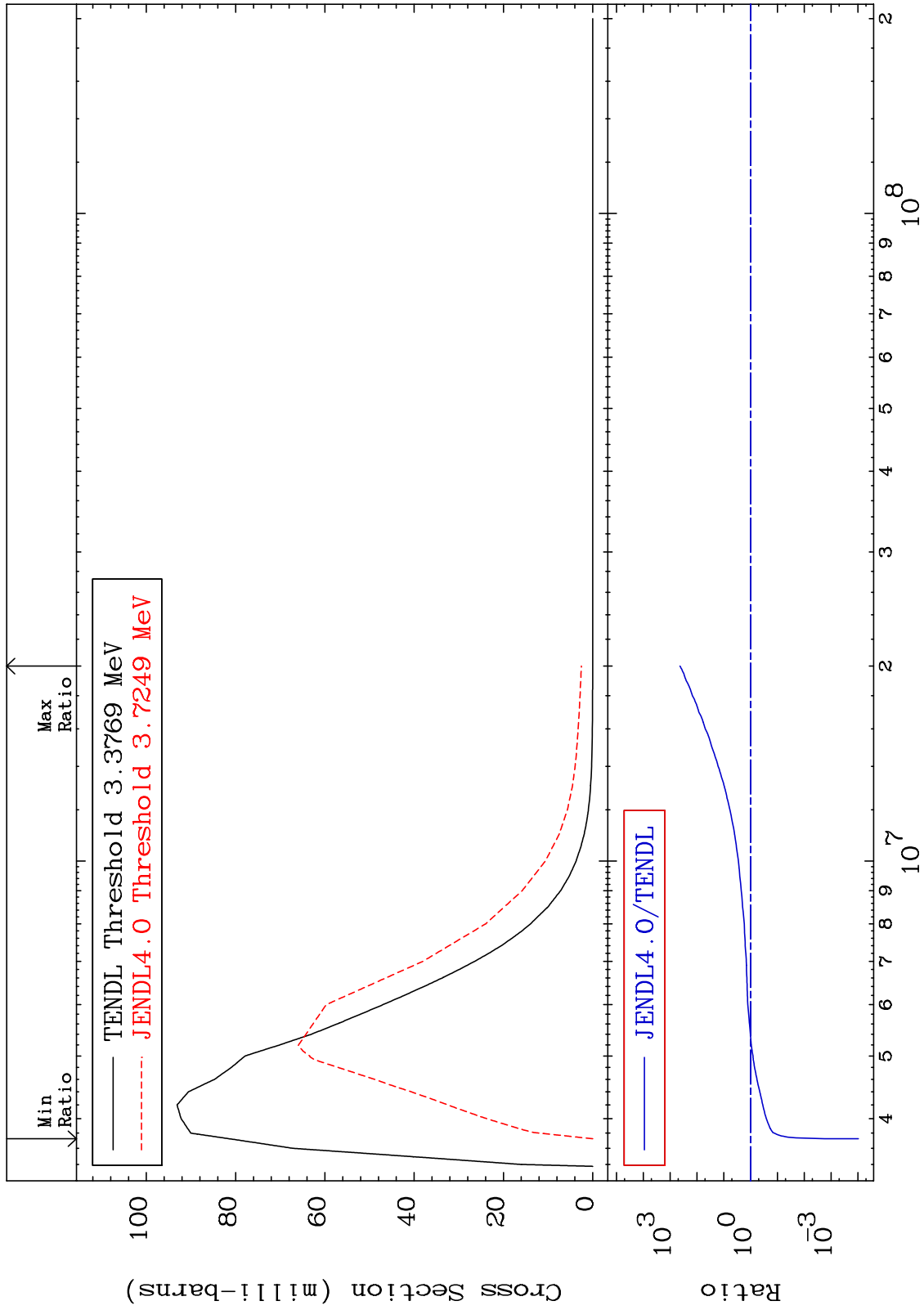


10

Incident Energy (eV)

17-Cl-37

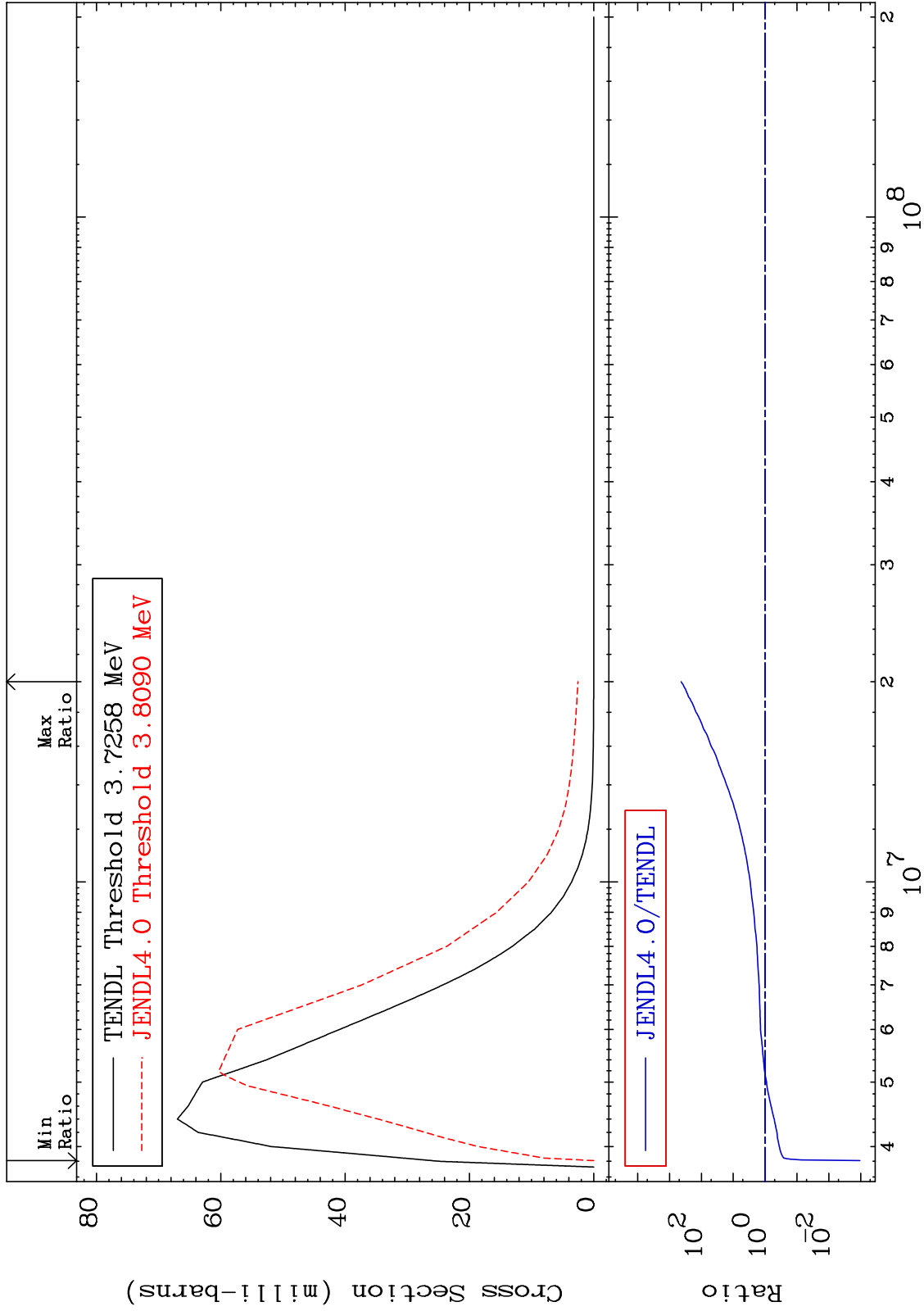
MAT 1731 MT= 54 (n,n') Level Cross Section 17-Cl-37
 -99.99 To 9999. %



MAT 1731

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

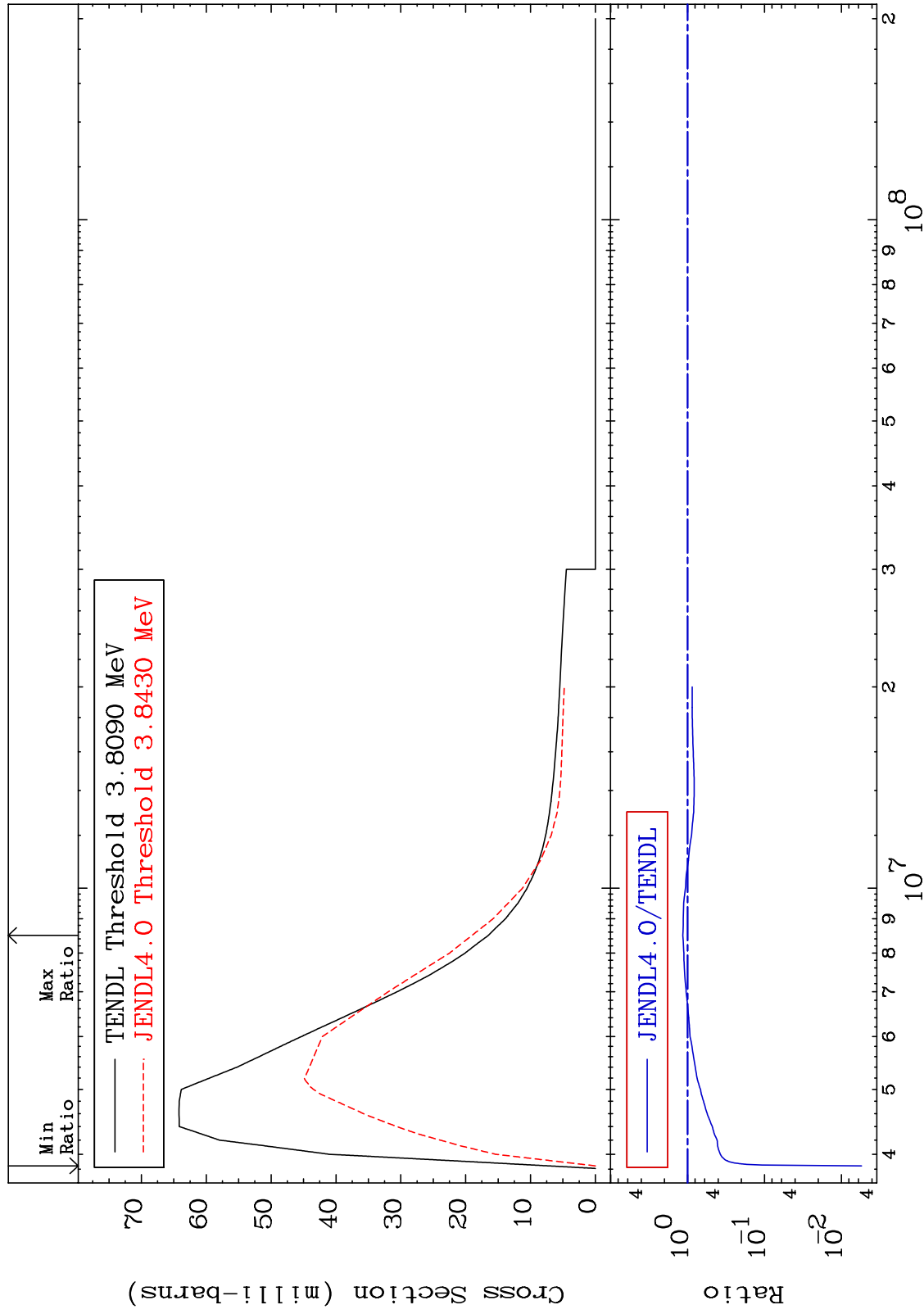
17-Cl-37
-99.89 To 9999. %



MAT 1731

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

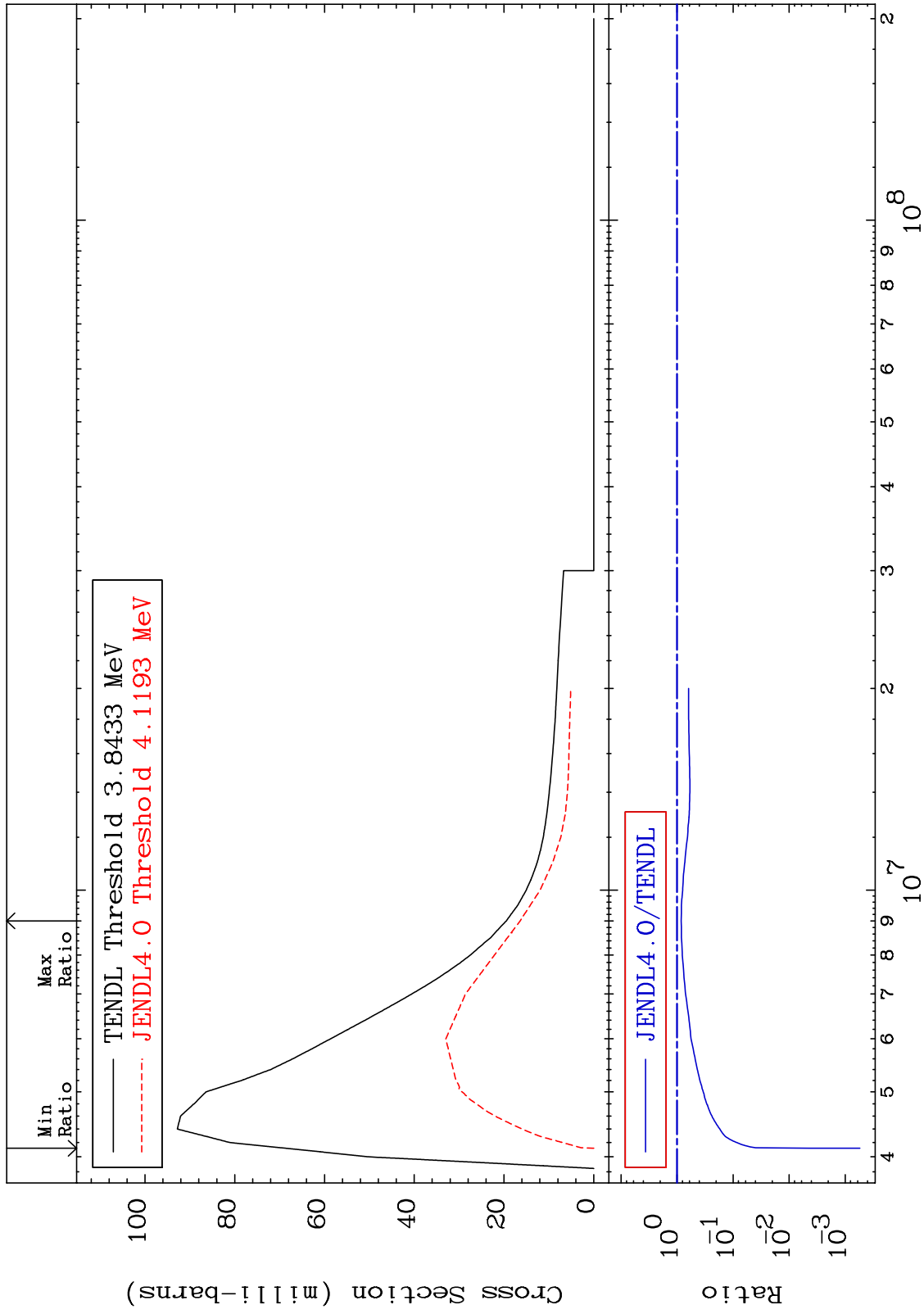
17-Cl-37
-99.45 To 15.27 %



MAT 1731

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

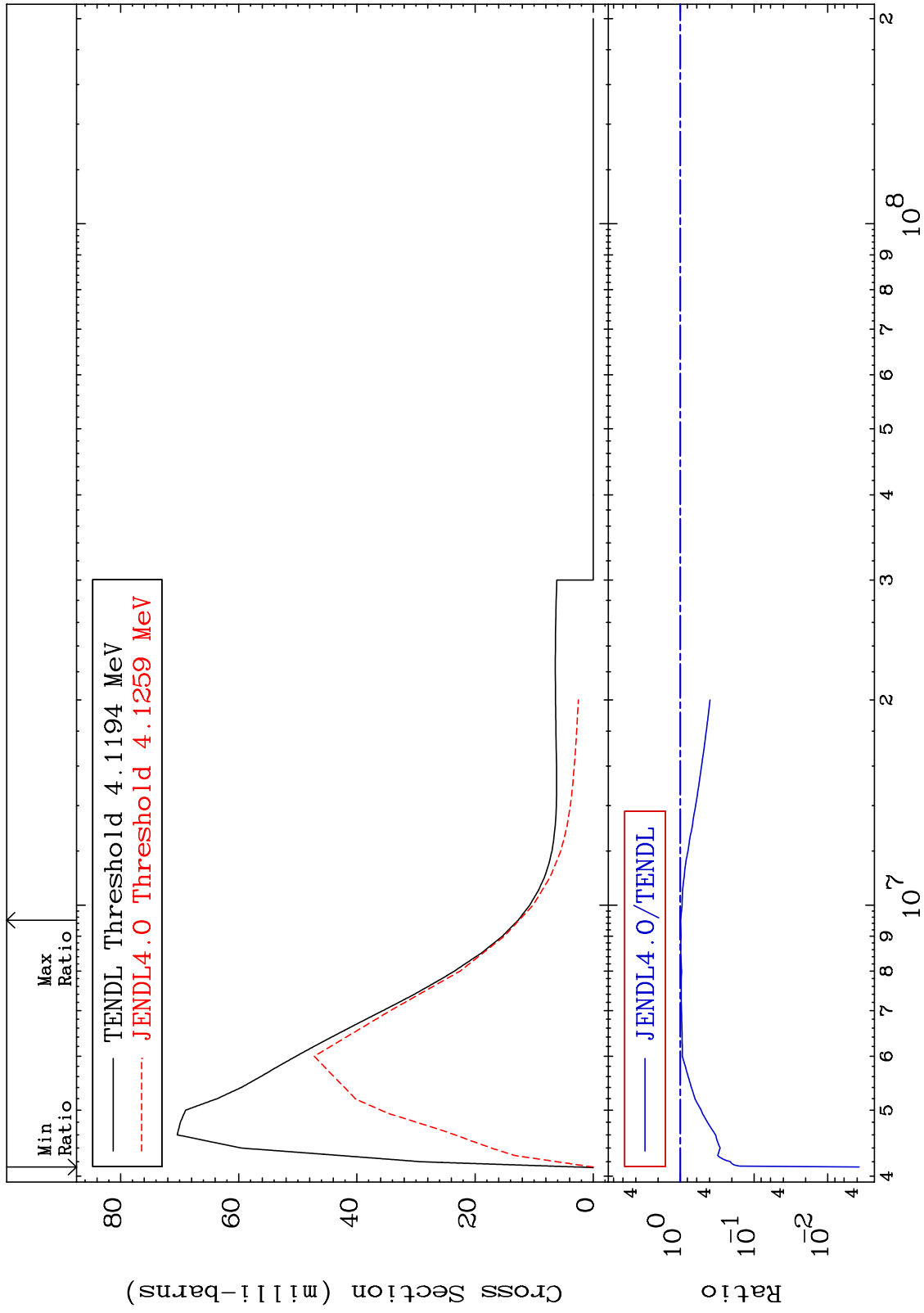
17-Cl-37
-99.95 To -15.81%



MAT 1731

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

17-Cl-37
-99.62 To -1.122%



15

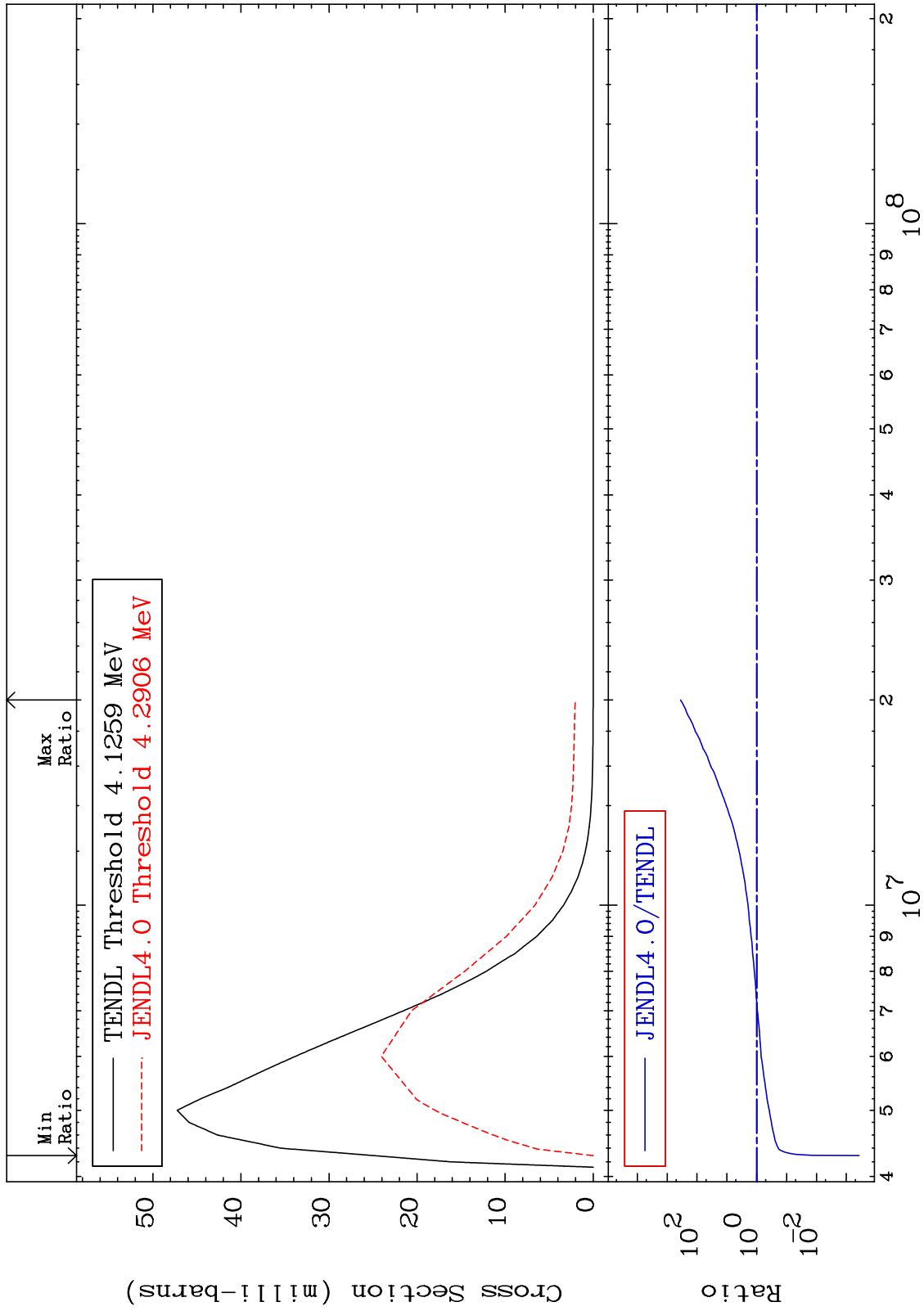
Incident Energy (eV)

17-Cl-37

MAT 1731

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

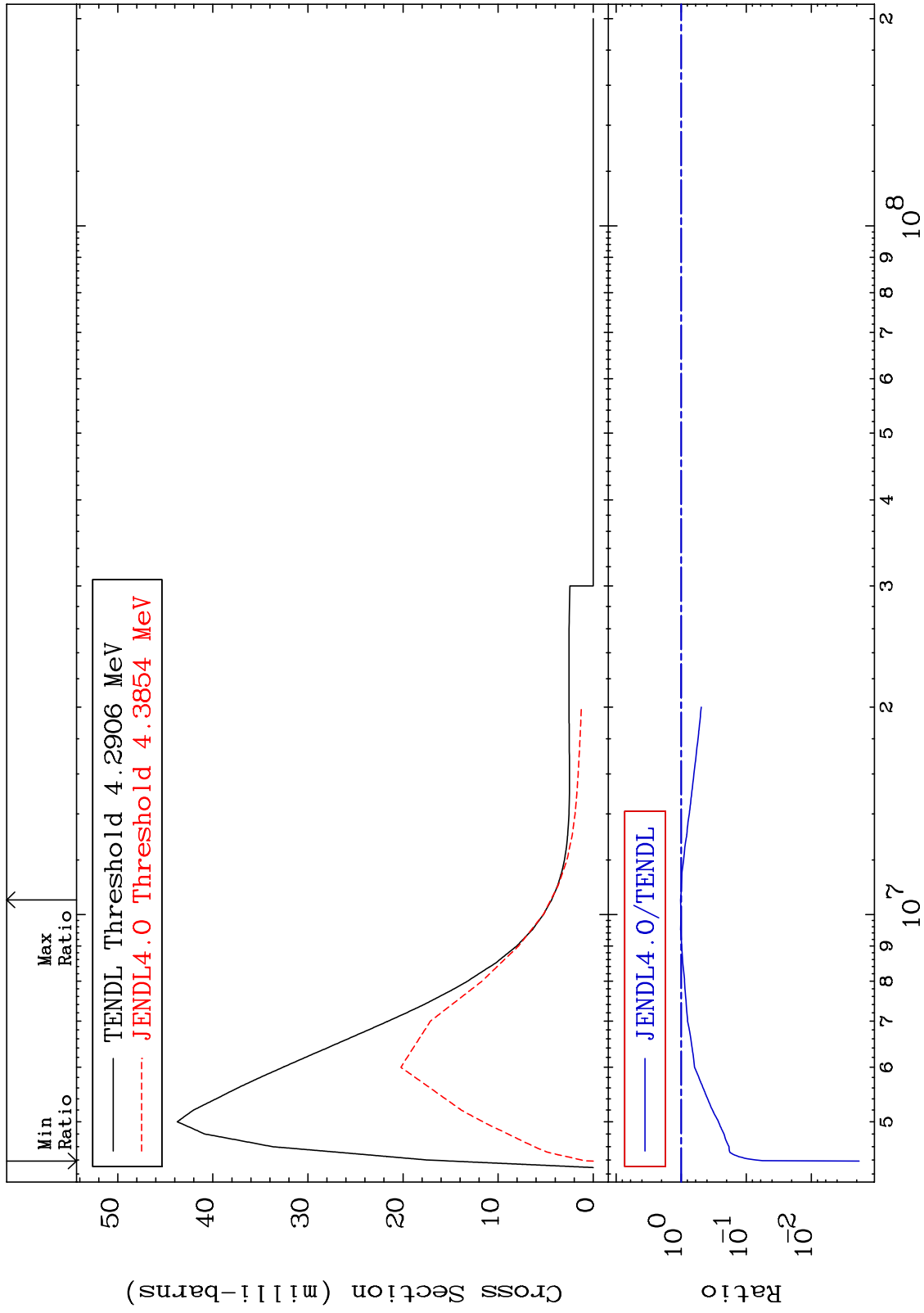
17-Cl-37
-99.96 To 9999. %



MAT 1731

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

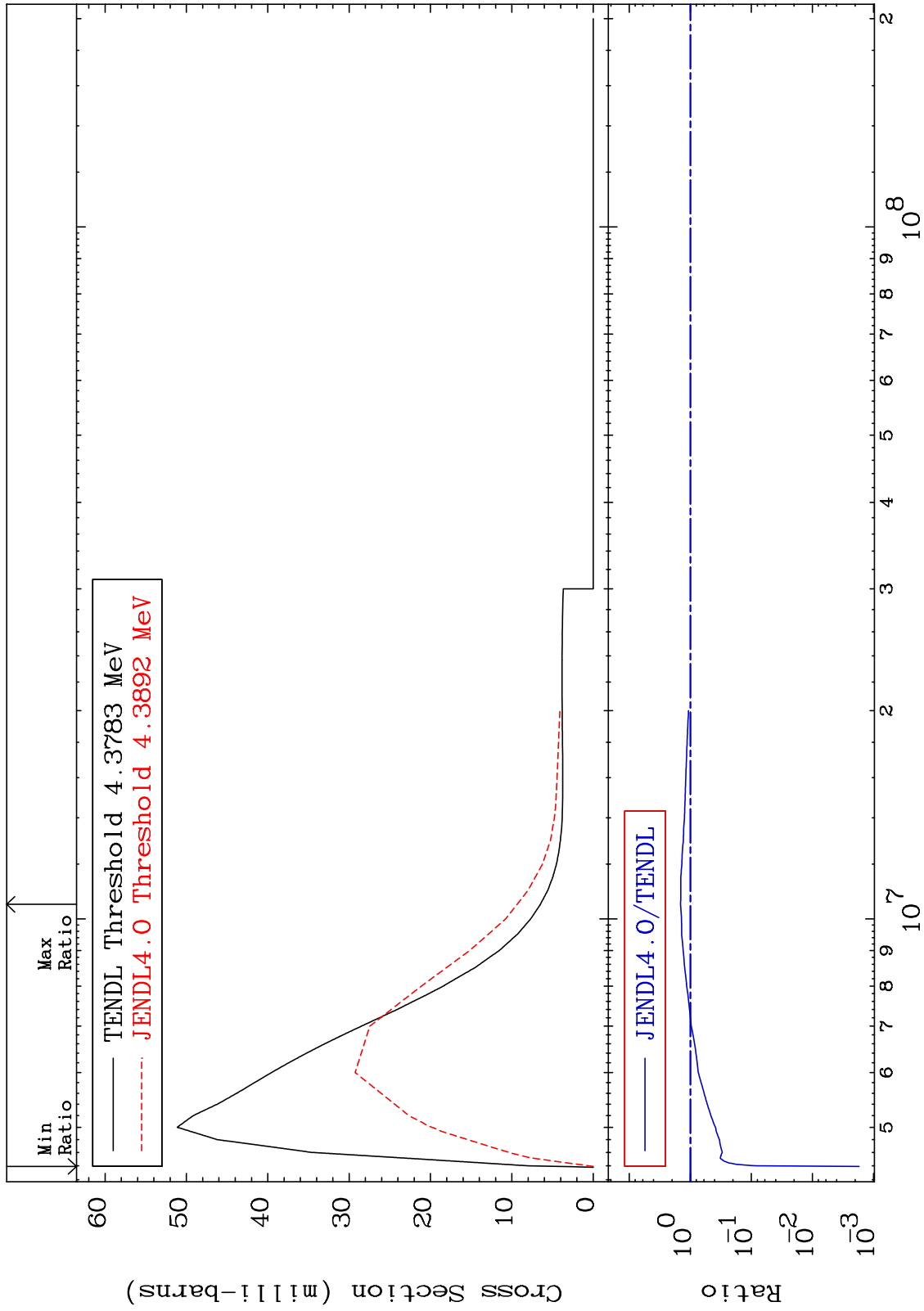
17-Cl-37
-99.82 To 1.736 %



MAT 1731

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

17-Cl-37
-99.83 To 44.22 %



18

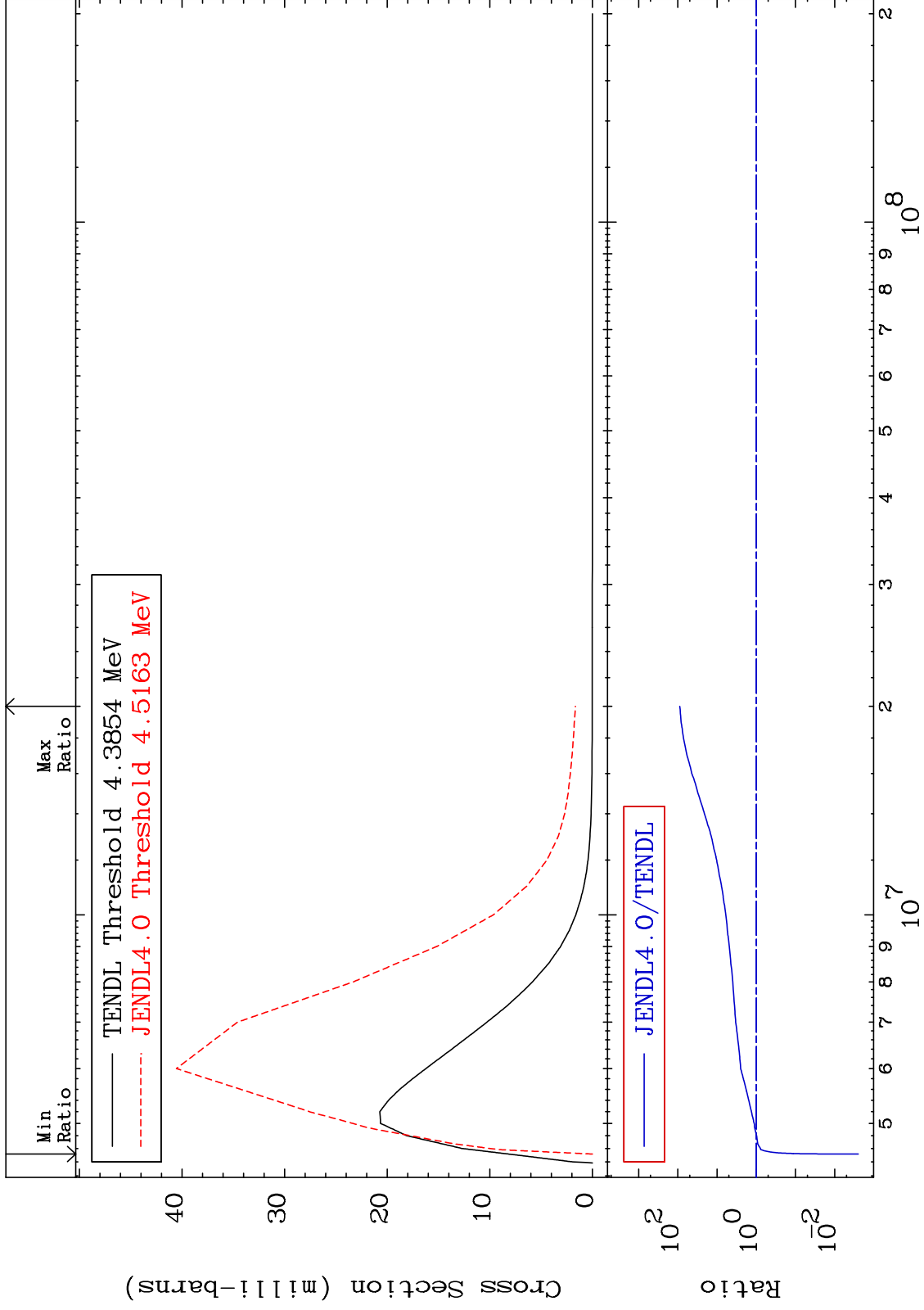
Incident Energy (eV)

17-Cl-37

MAT 1731

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

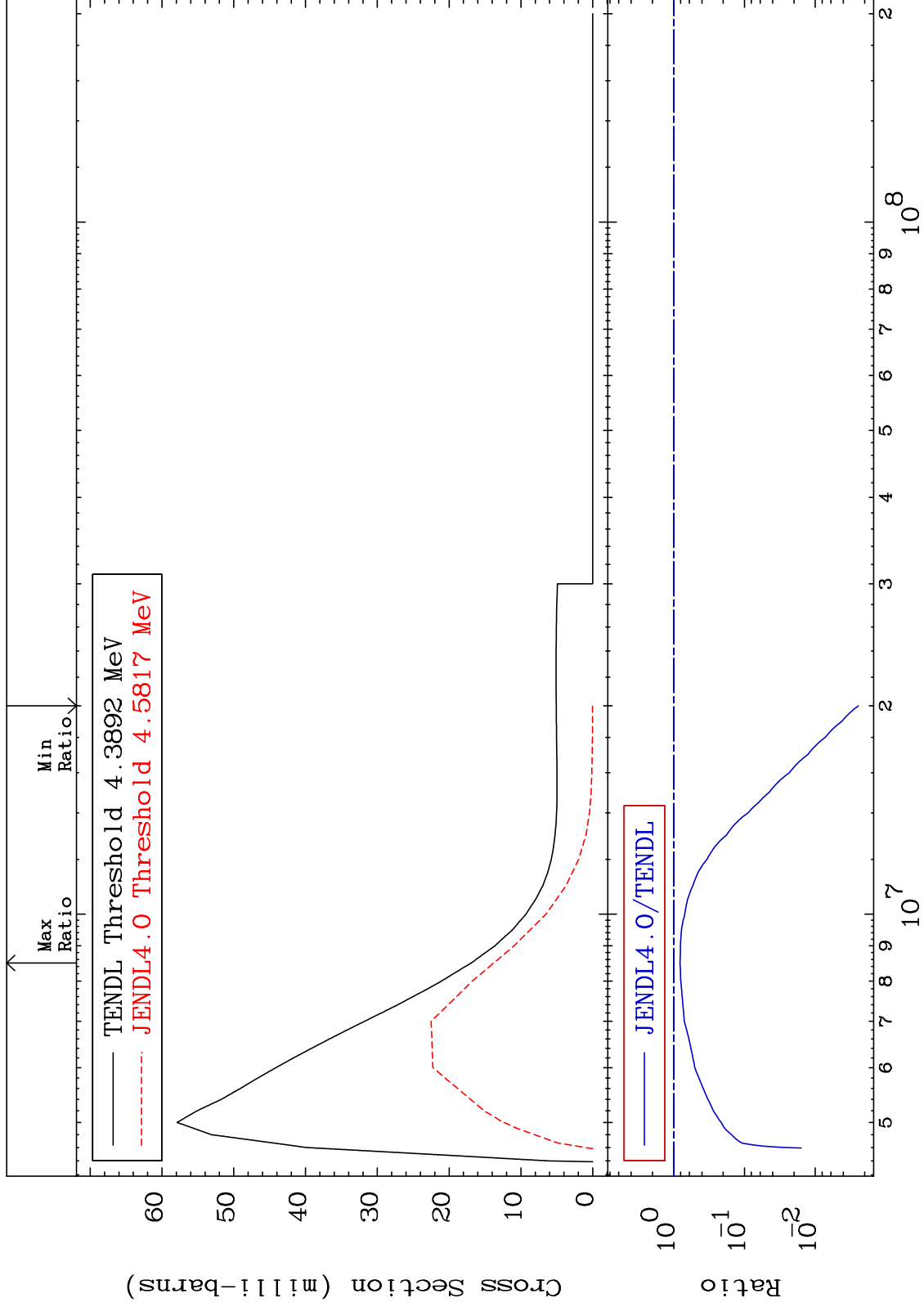
17-Cl-37
-99.75 To 8822. %



MAT 1731

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

17-Cl-37
-99.75 To -18.50%



20

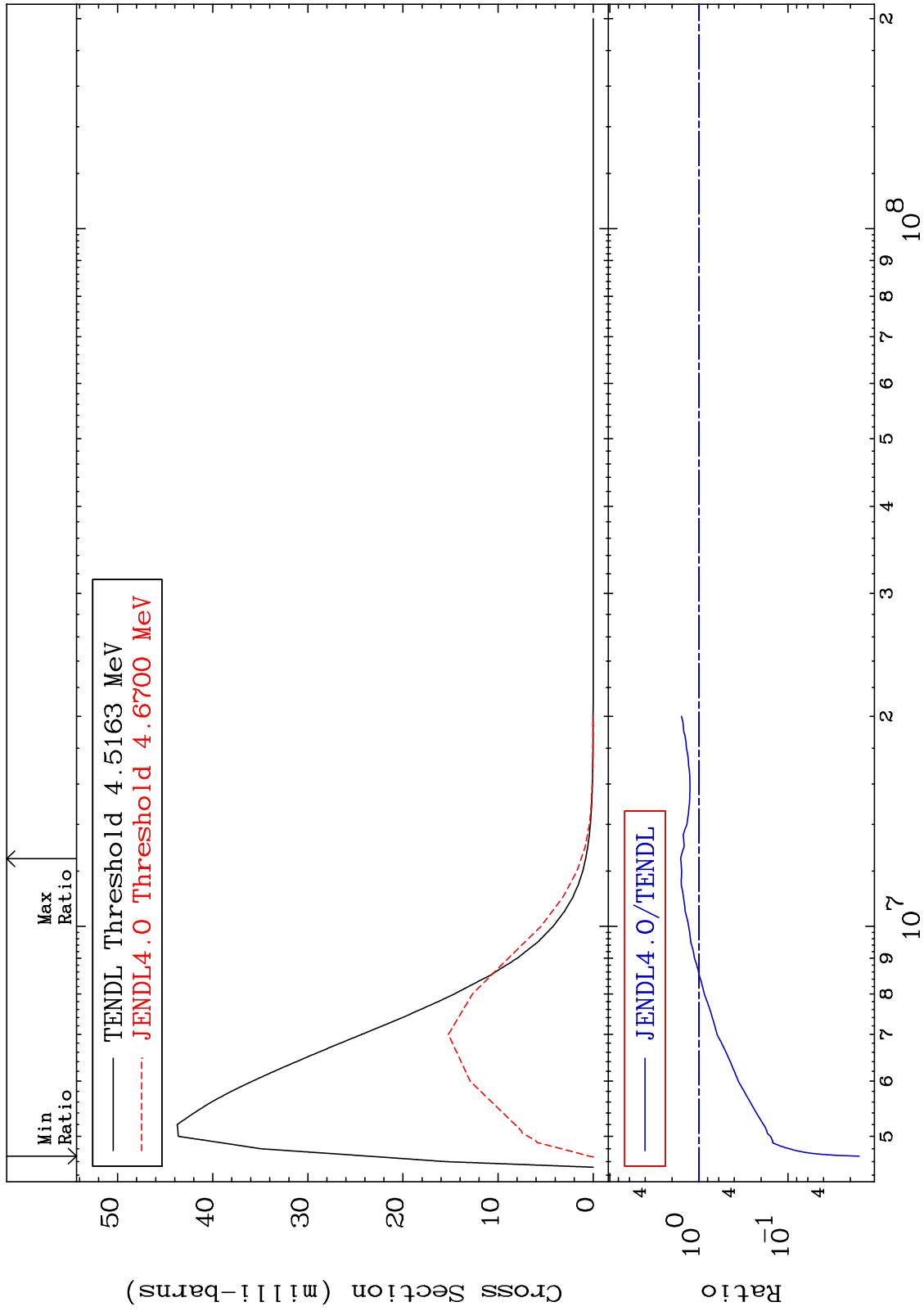
Incident Energy (eV)

17-Cl-37

MAT 1731

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

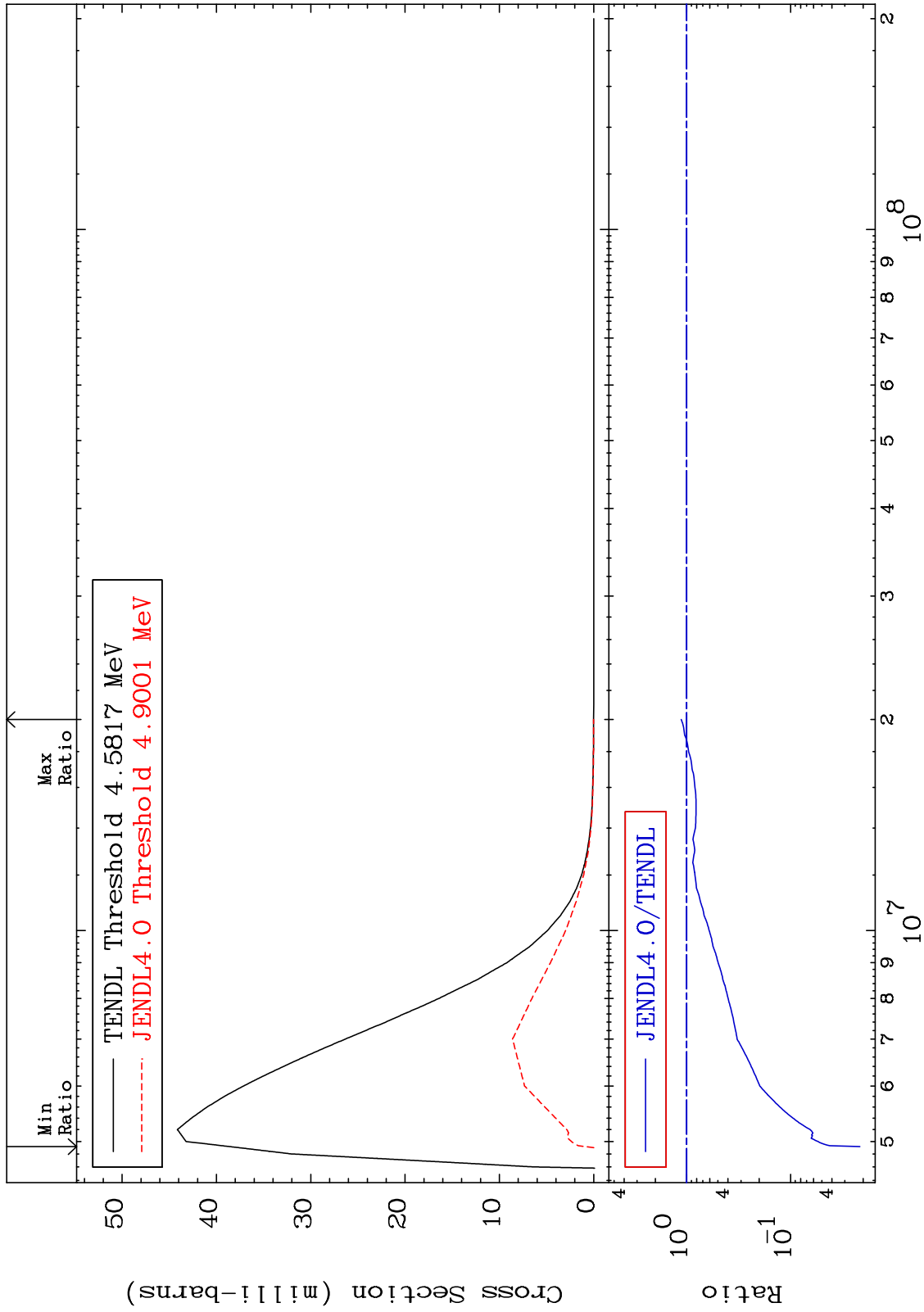
17-Cl-37
-98.41 To 60.27 %



MAT 1731

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

17-Cl-37
-97.85 To 12.84 %



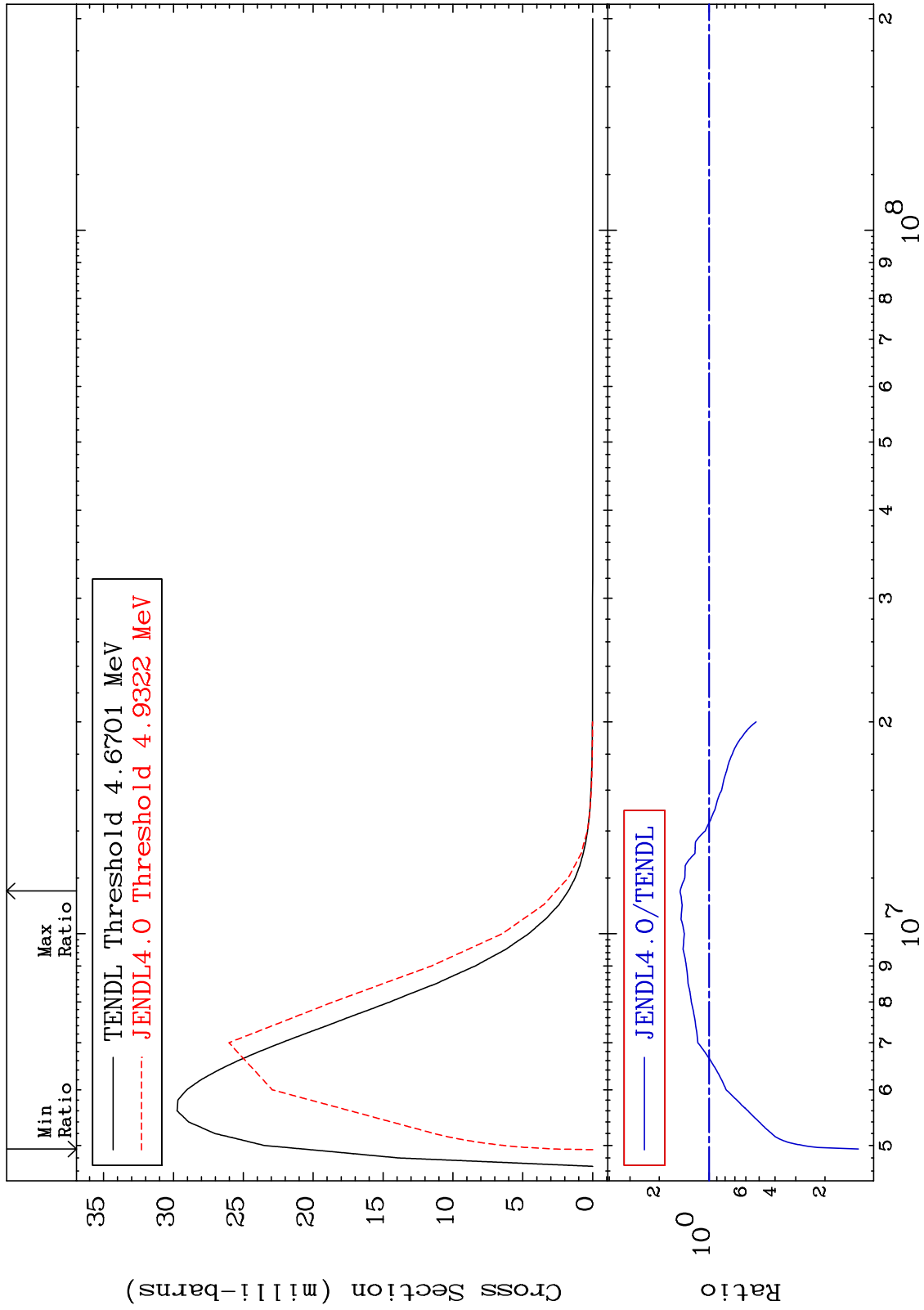
22

17-Cl-37

MAT 1731

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

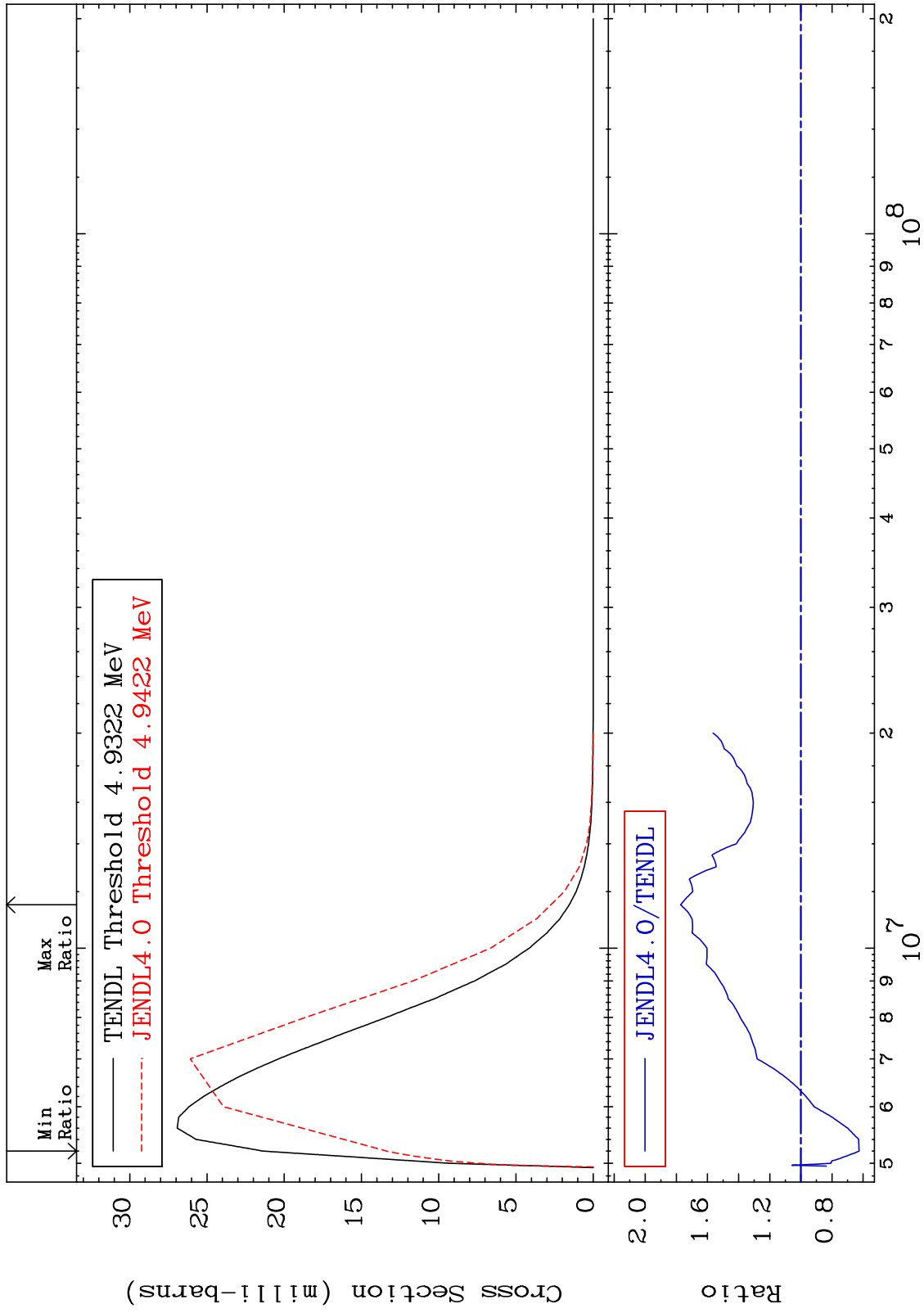
17-Cl-37
-87.41 To 49.77 %



MAT 1731

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

17-Cl-37
-37.46 To 77.26 %



24

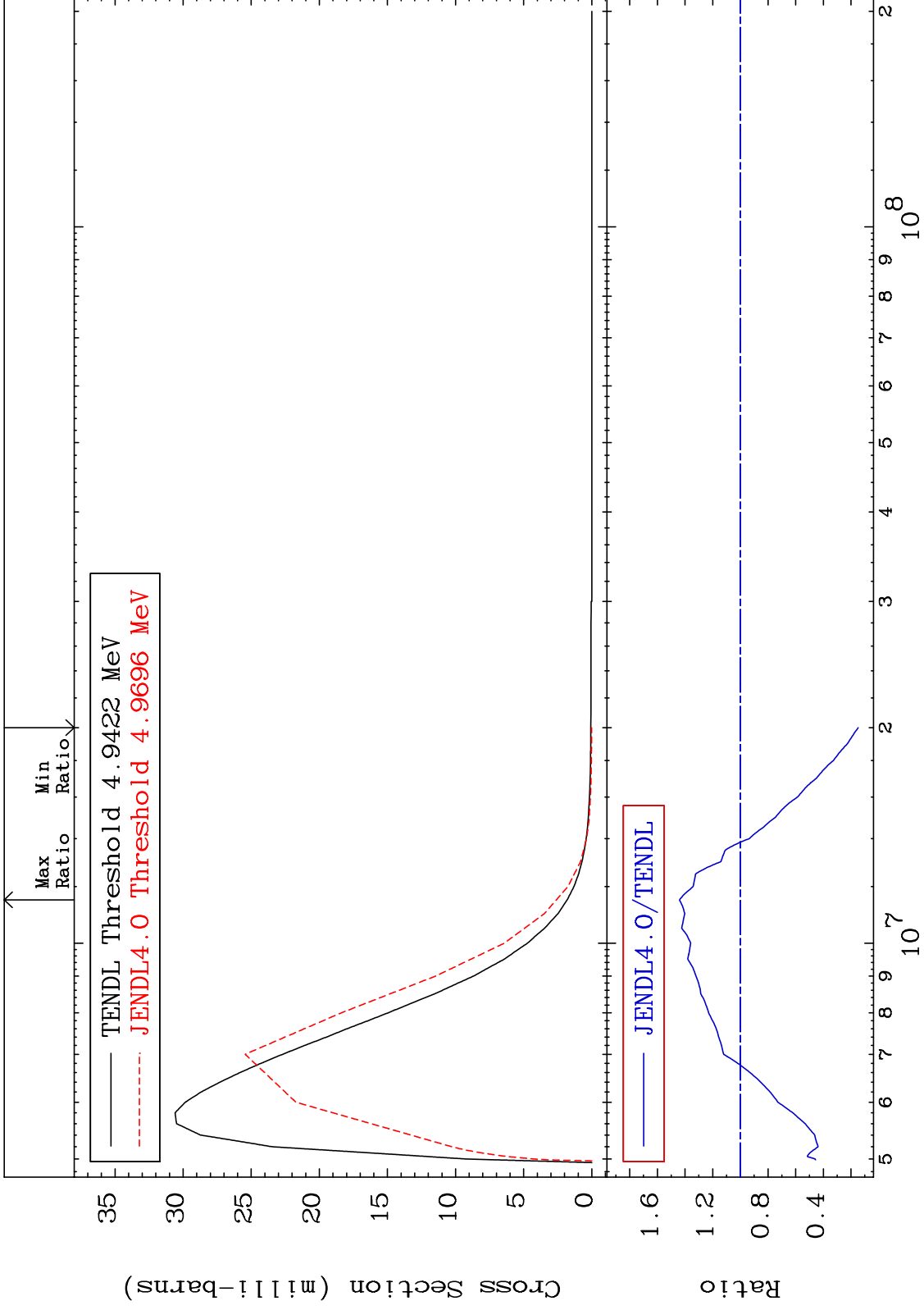
17-Cl-37

17-Cl-37

MAT 1731

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

17-Cl-37
-85.23 To 44.10 %



25

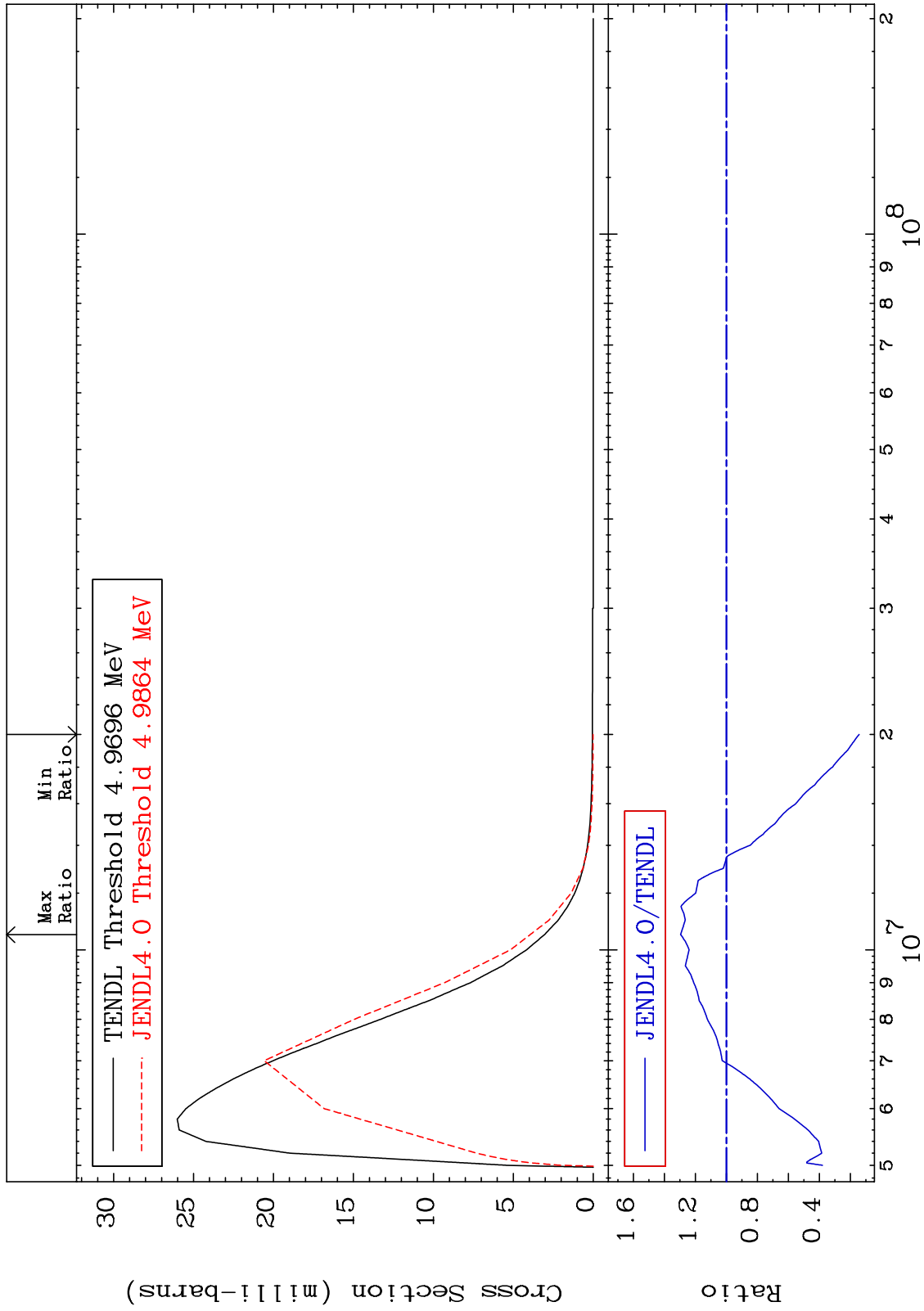
17-Cl-37

17-Cl-37

MAT 1731

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

17-Cl-37
-85.61 To 29.57 %



26

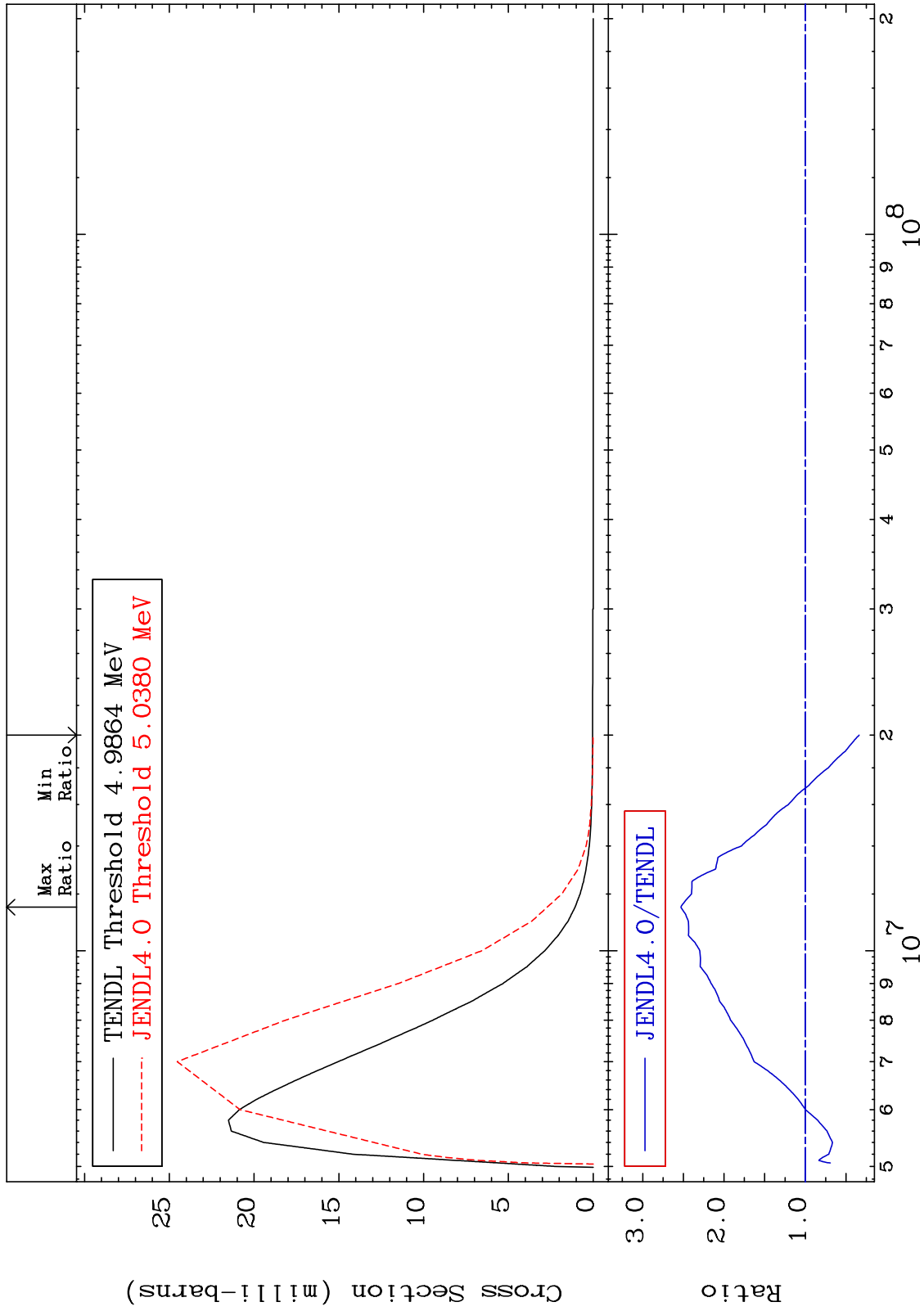
Incident Energy (eV)

17-Cl-37

MAT 1731

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

17-Cl-37
-66.14 To 153.4 %



27

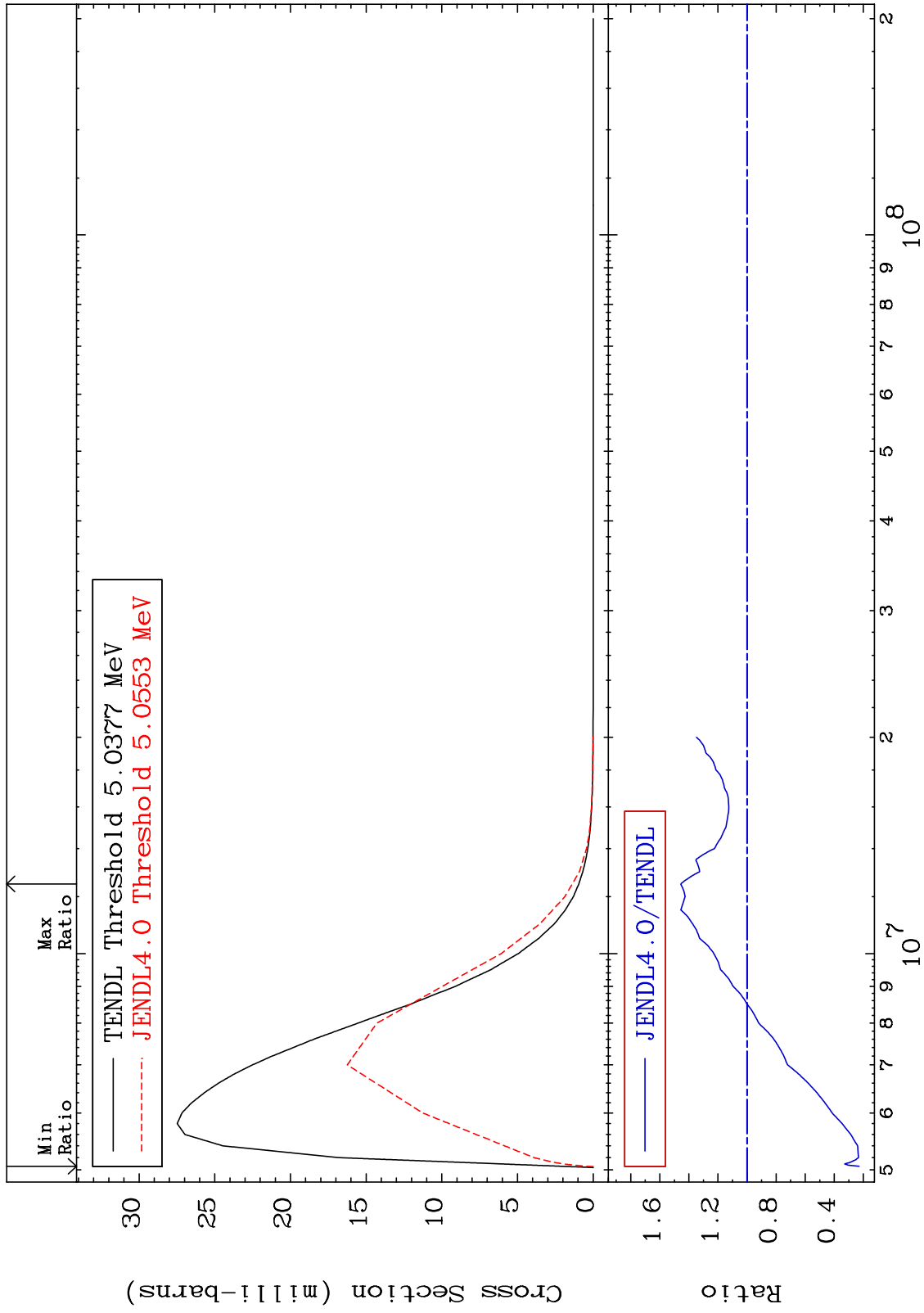
Incident Energy (eV)

17-Cl-37

MAT 1731

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

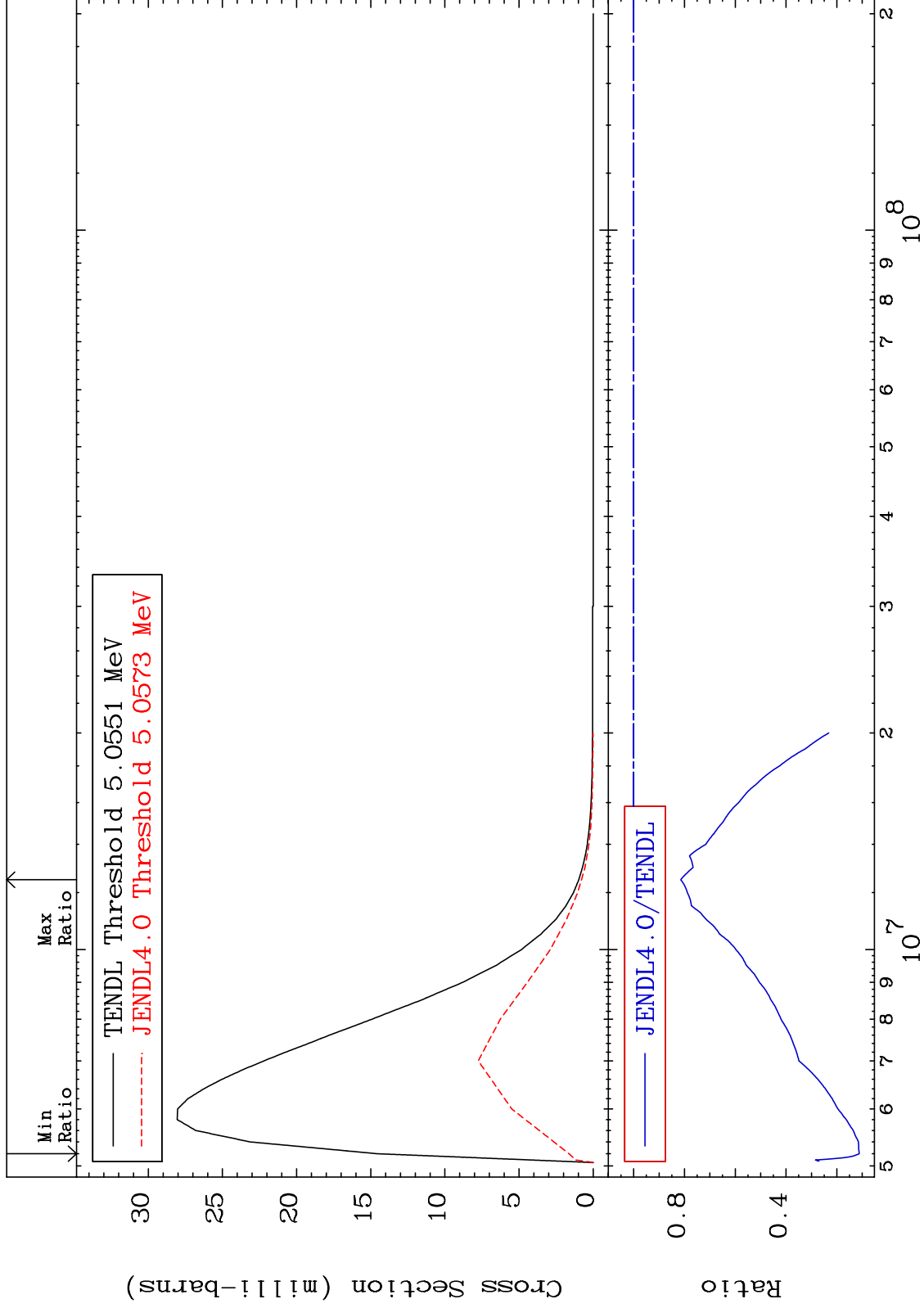
17-Cl-37
-77.12 To 45.68 %



MAT 1731

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

17-Cl-37
-88.79 To -18.48%



29

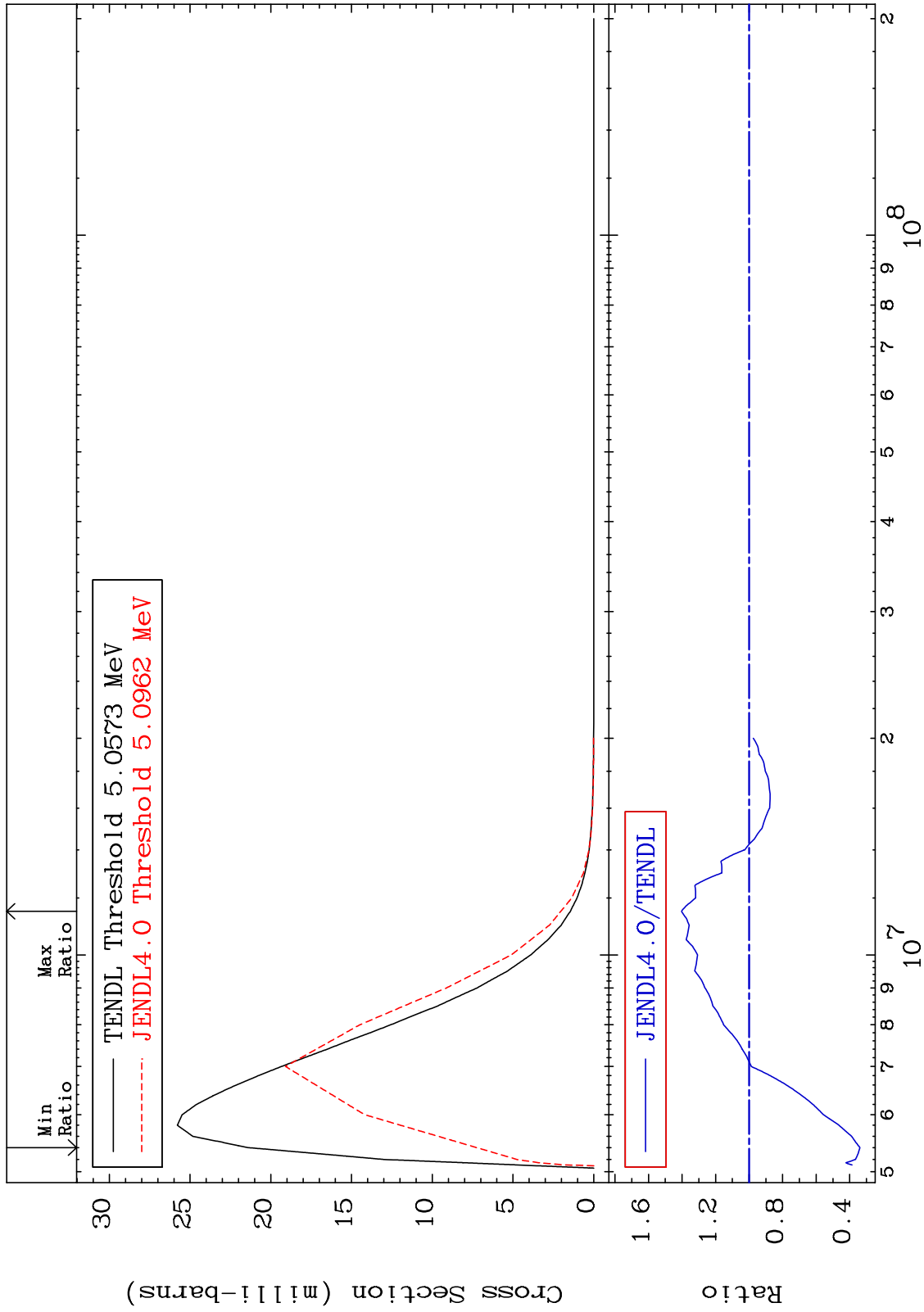
Incident Energy (eV)

17-Cl-37

MAT 1731

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

17-Cl-37
-66.11 To 40.49 %



30

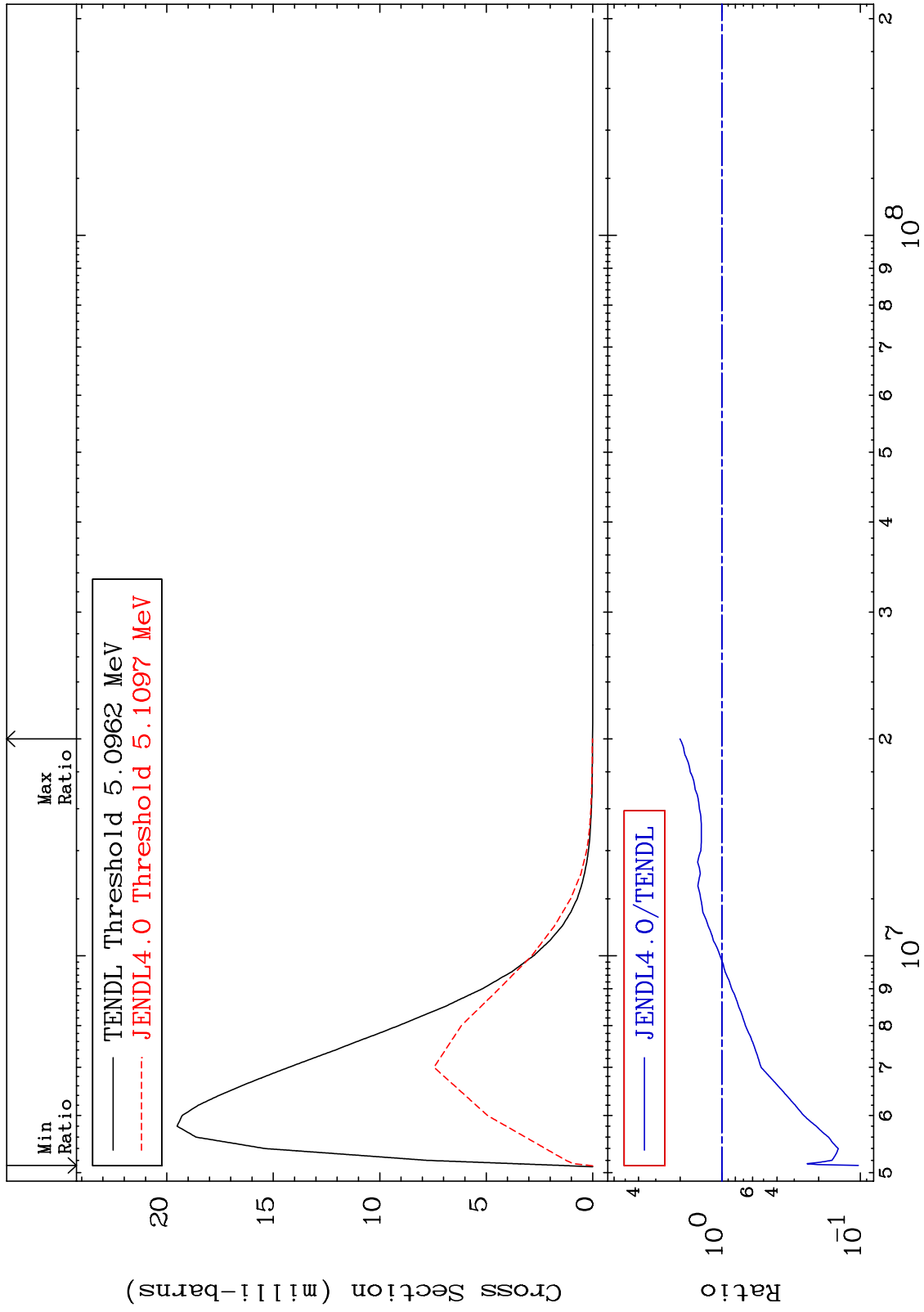
Incident Energy (eV)

17-Cl-37

MAT 1731

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

17-Cl-37
-89.67 To 100.7 %



31

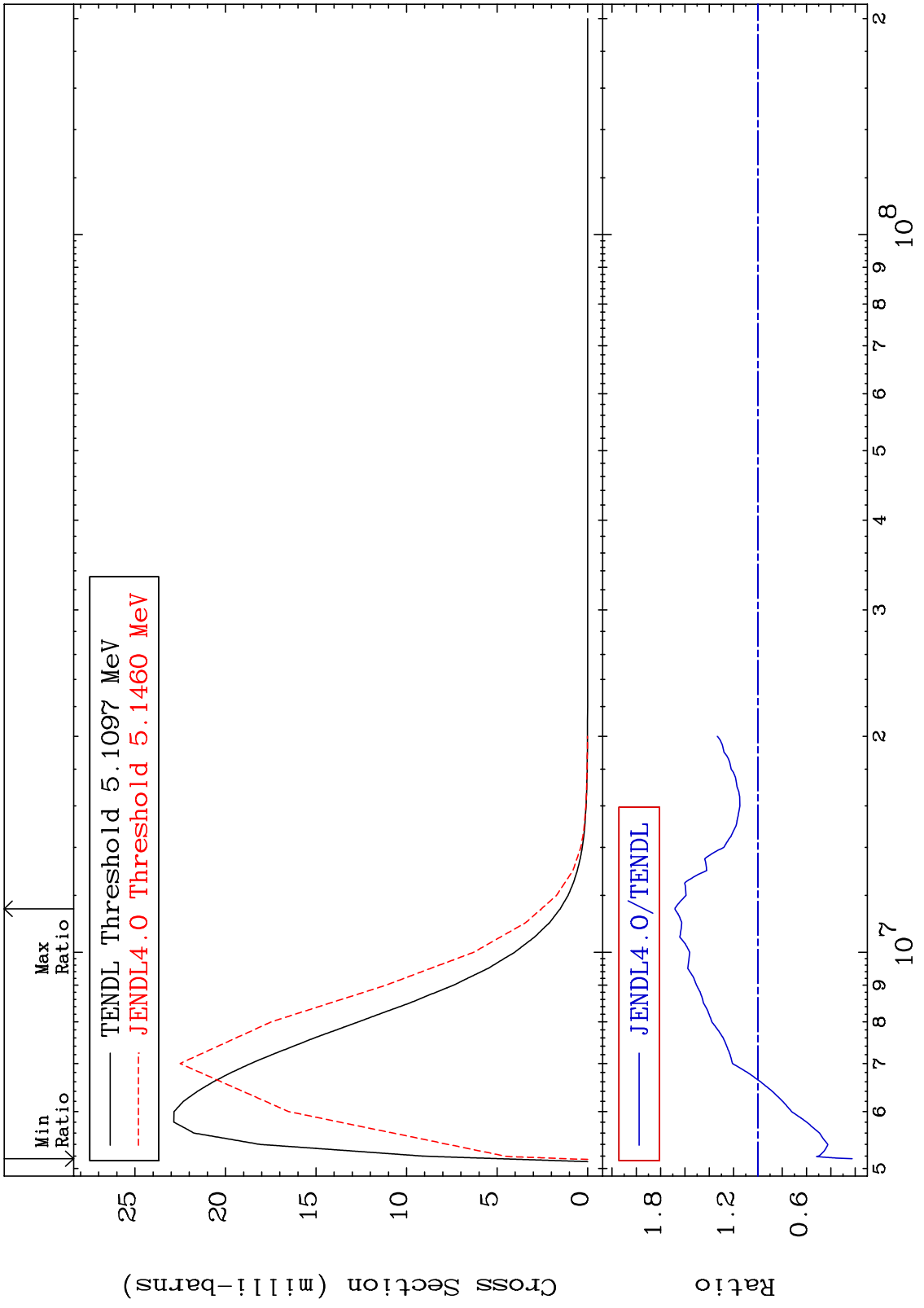
Incident Energy (eV)

17-Cl-37

MAT 1731

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

17-Cl-37
-77.45 To 68.58 %



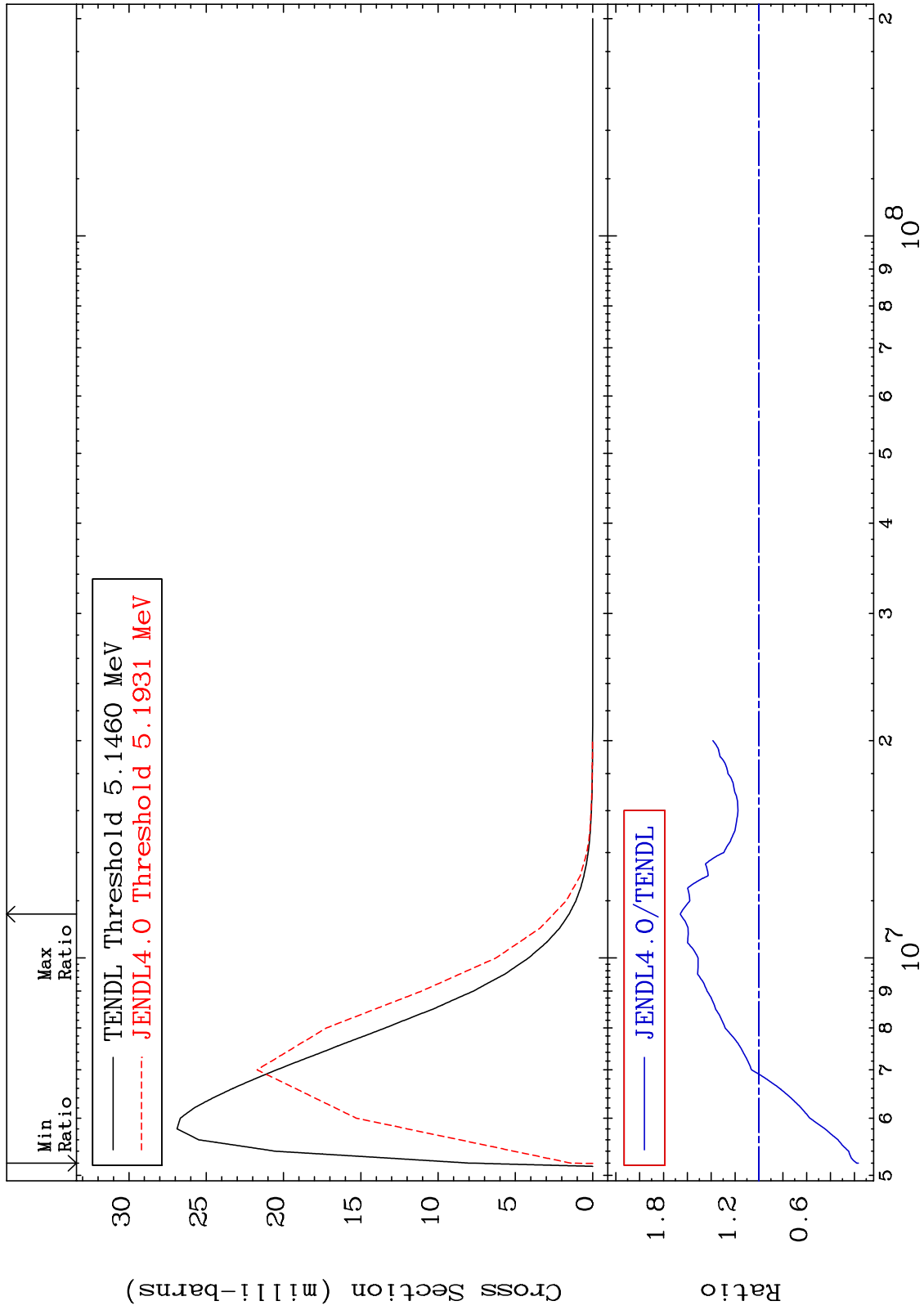
32

17-Cl-37

MAT 1731

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

17-Cl-37
-83.37 To 66.15 %



33

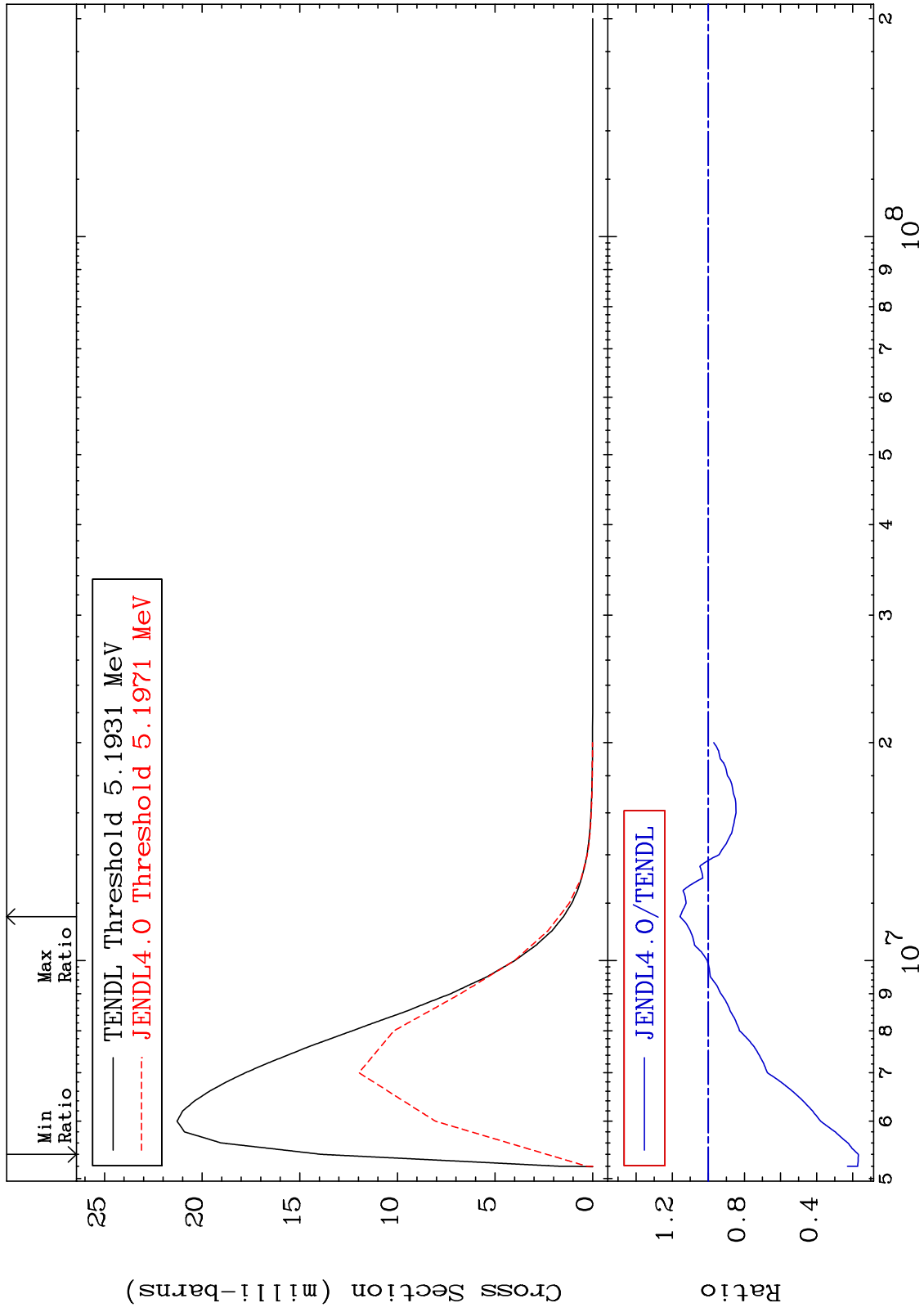
17-Cl-37

17-Cl-37

MAT 1731

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

17-Cl-37
-83.13 To 15.69 %



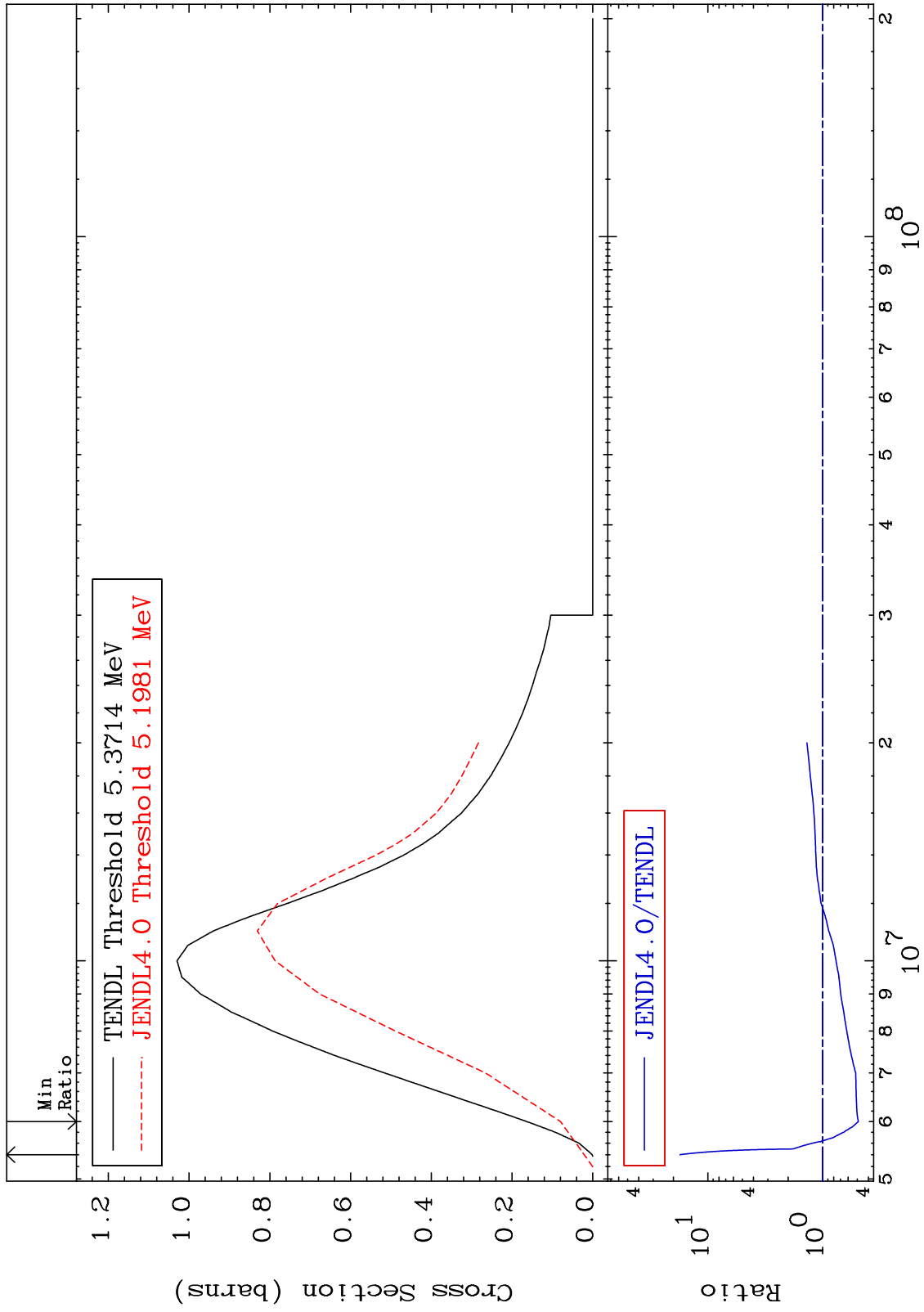
34

17-Cl-37

MAT 1731

(n,n') Continuum
Cross Section

17-Cl-37
-51.21 To 1649. %



35

Incident Energy (eV)

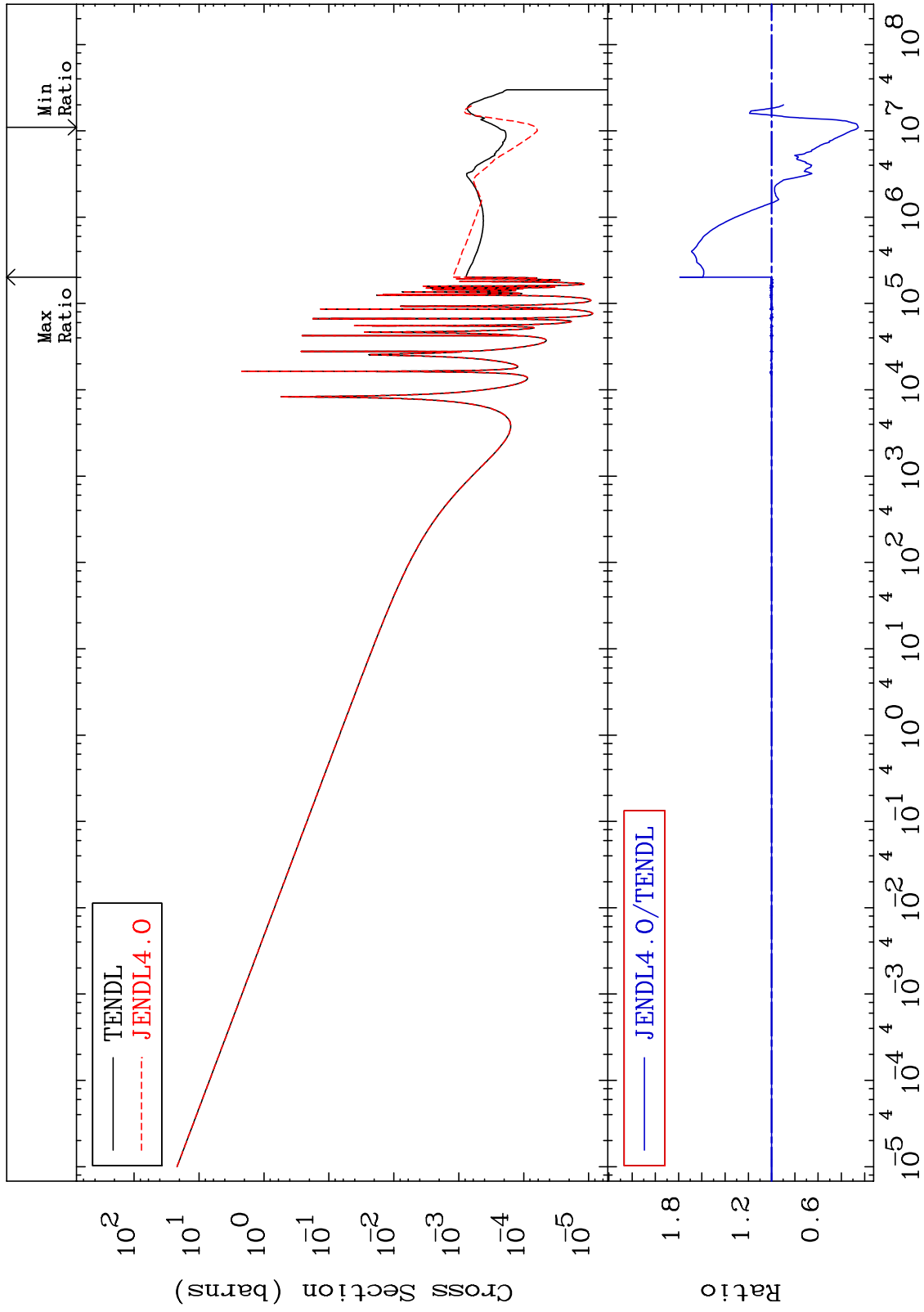
17-Cl-37

MAT 1731

(n, γ)
Cross Section

17-CI-37

-74.69 To 78.79 %



36

Incident Energy (eV)

17-CI-37

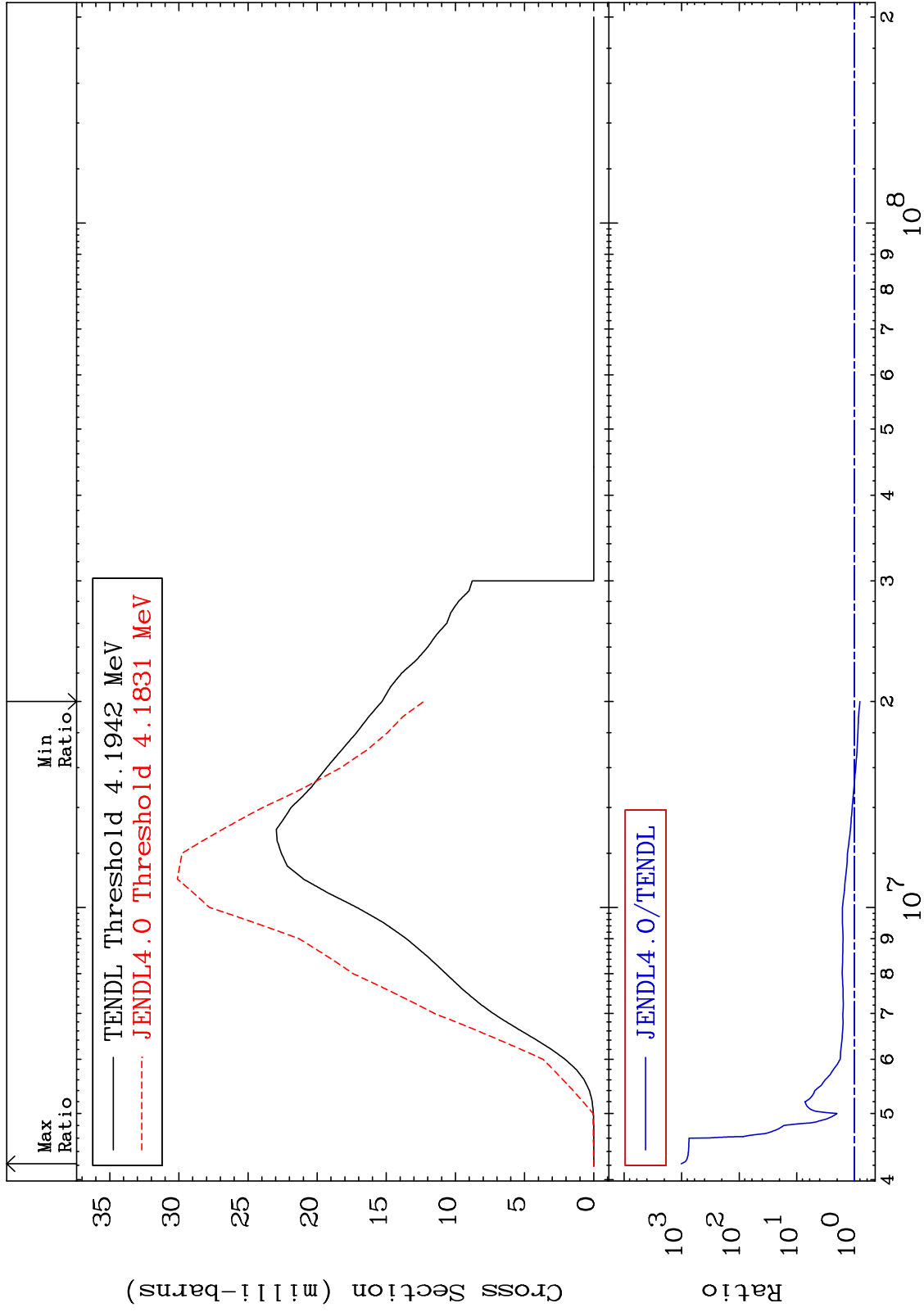
MAT 1731

(n,p)

17-Cl-37

Cross Section

-19.81 To 9999. %



37

Incident Energy (eV)

17-Cl-37

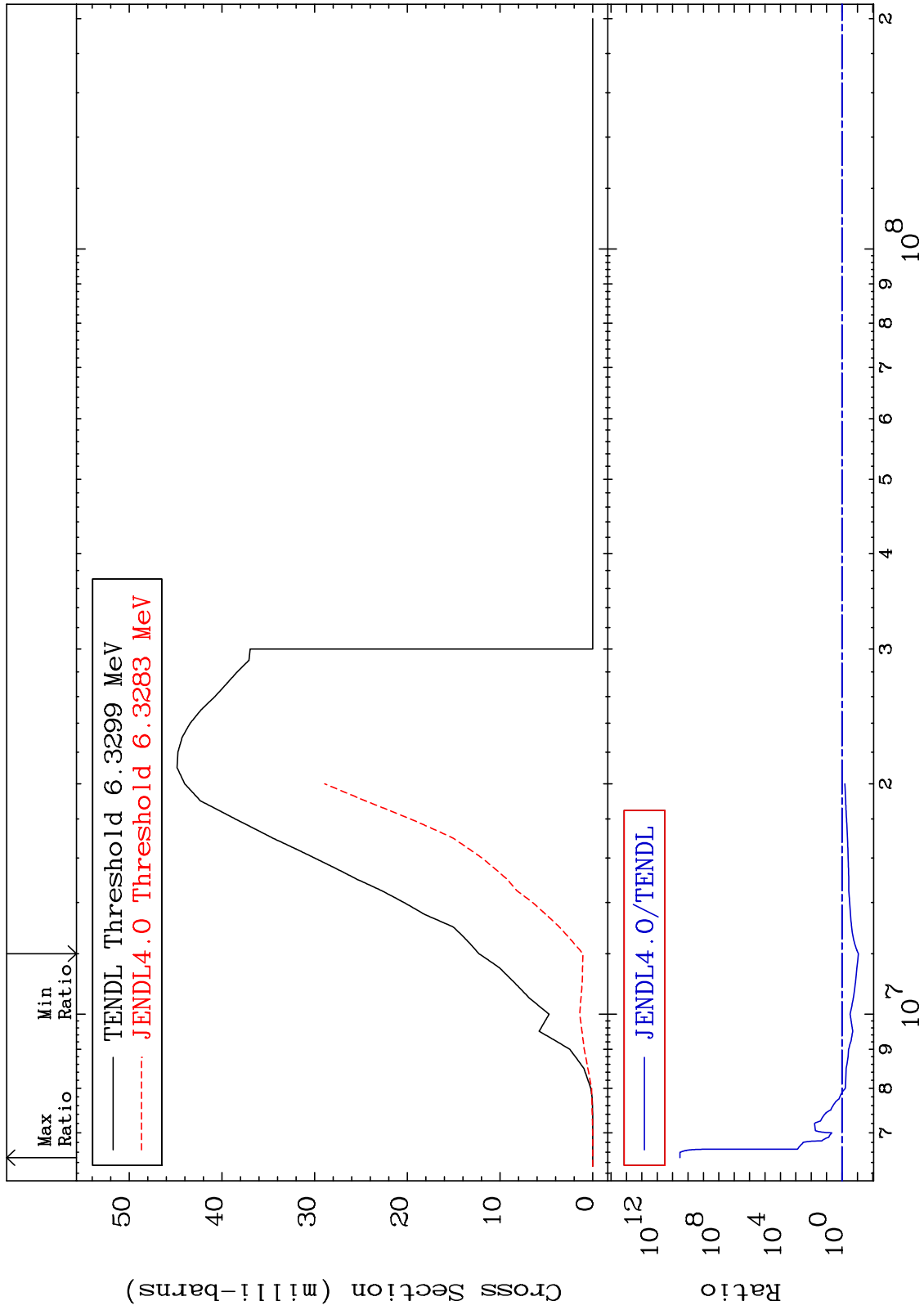
MAT 1731

(n,d)

17-Cl-37

Cross Section

-91.41 To 9999. %



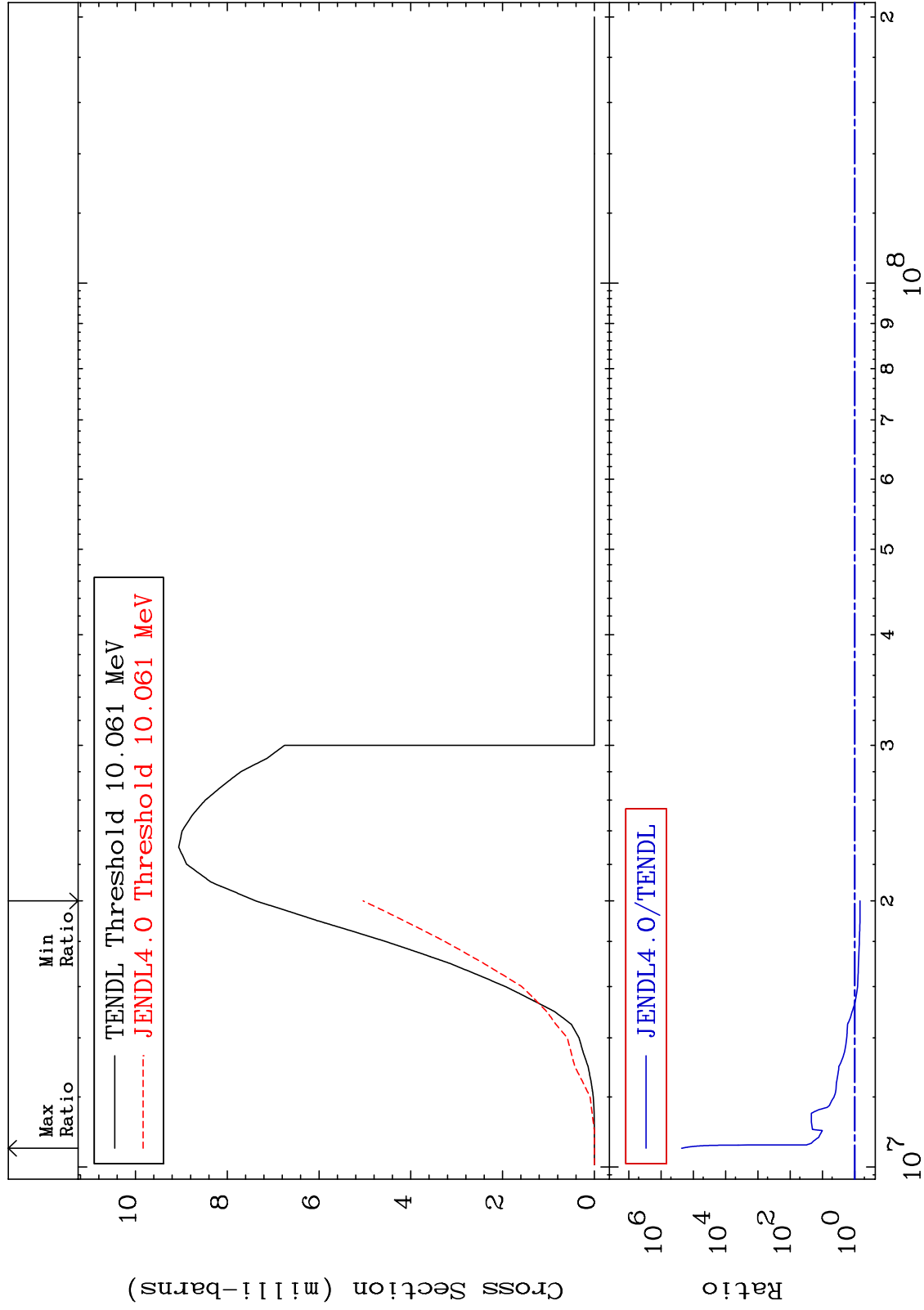
MAT 1731

(n, t)

17-Cl-37

Cross Section

-31.73 To 9999. %



Incident Energy (eV)

17-Cl-37

39

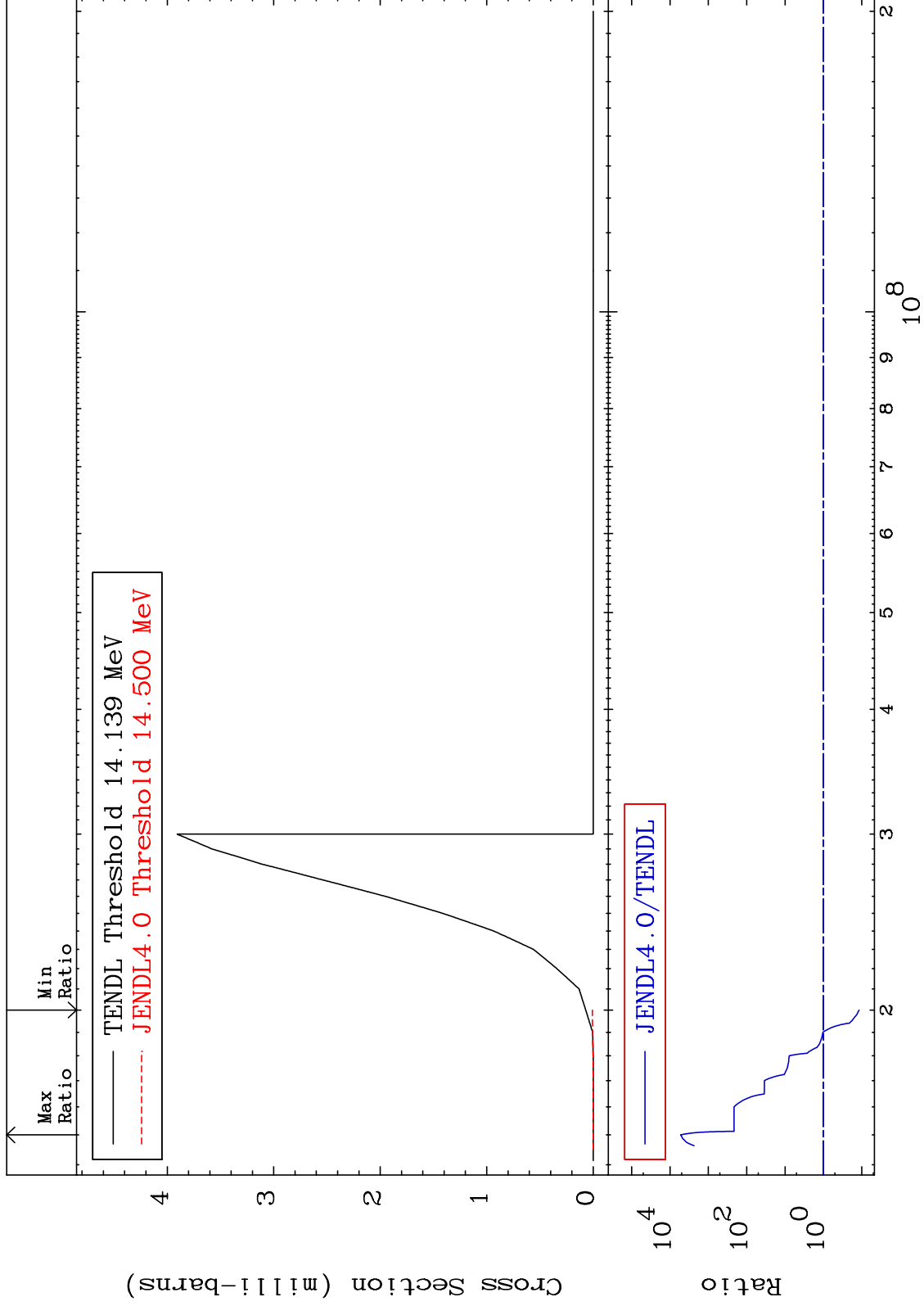
MAT 1731

(n, He-3)

17-Cl-37

Cross Section

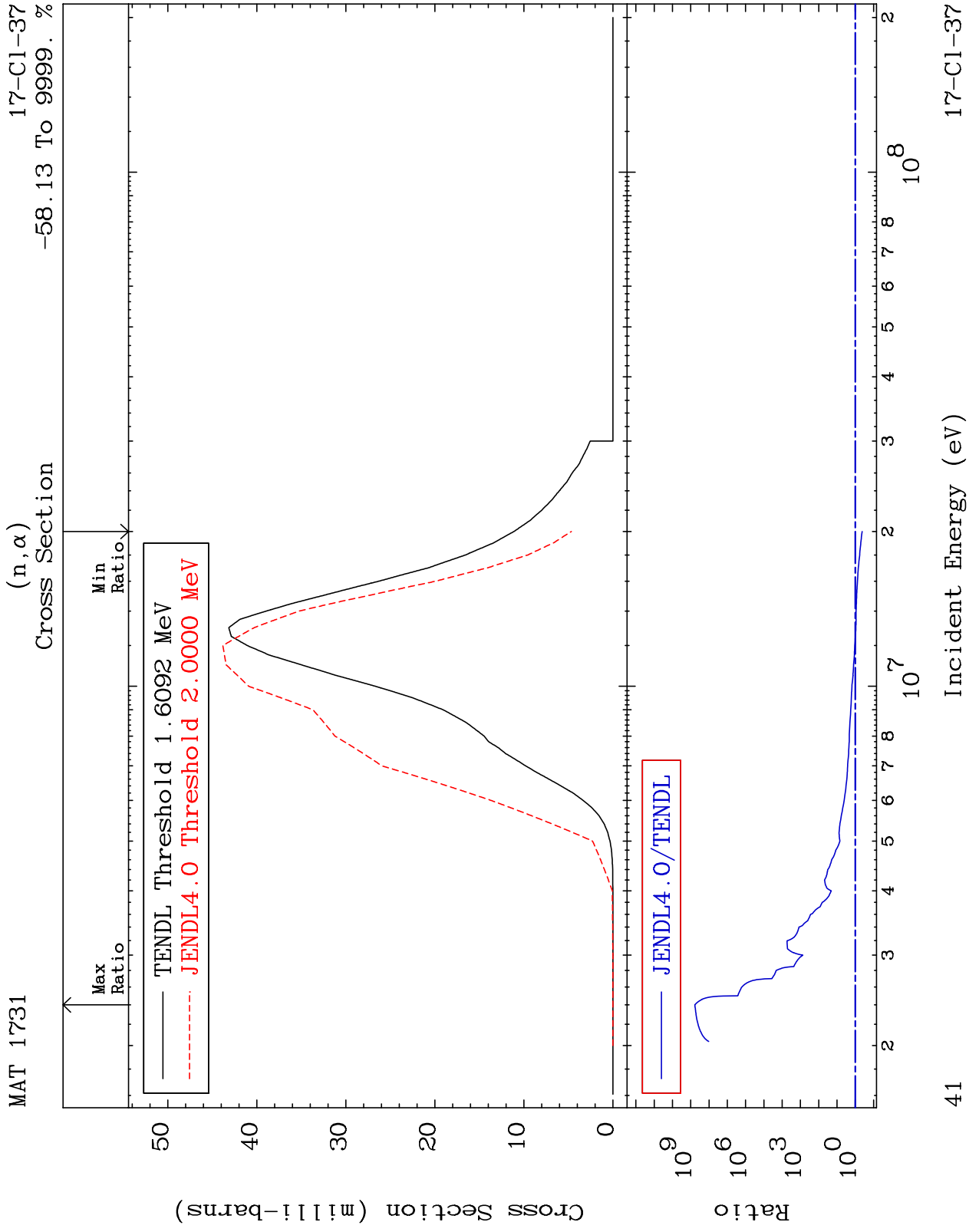
-88.35 To 9999. %



40

Incident Energy (eV)

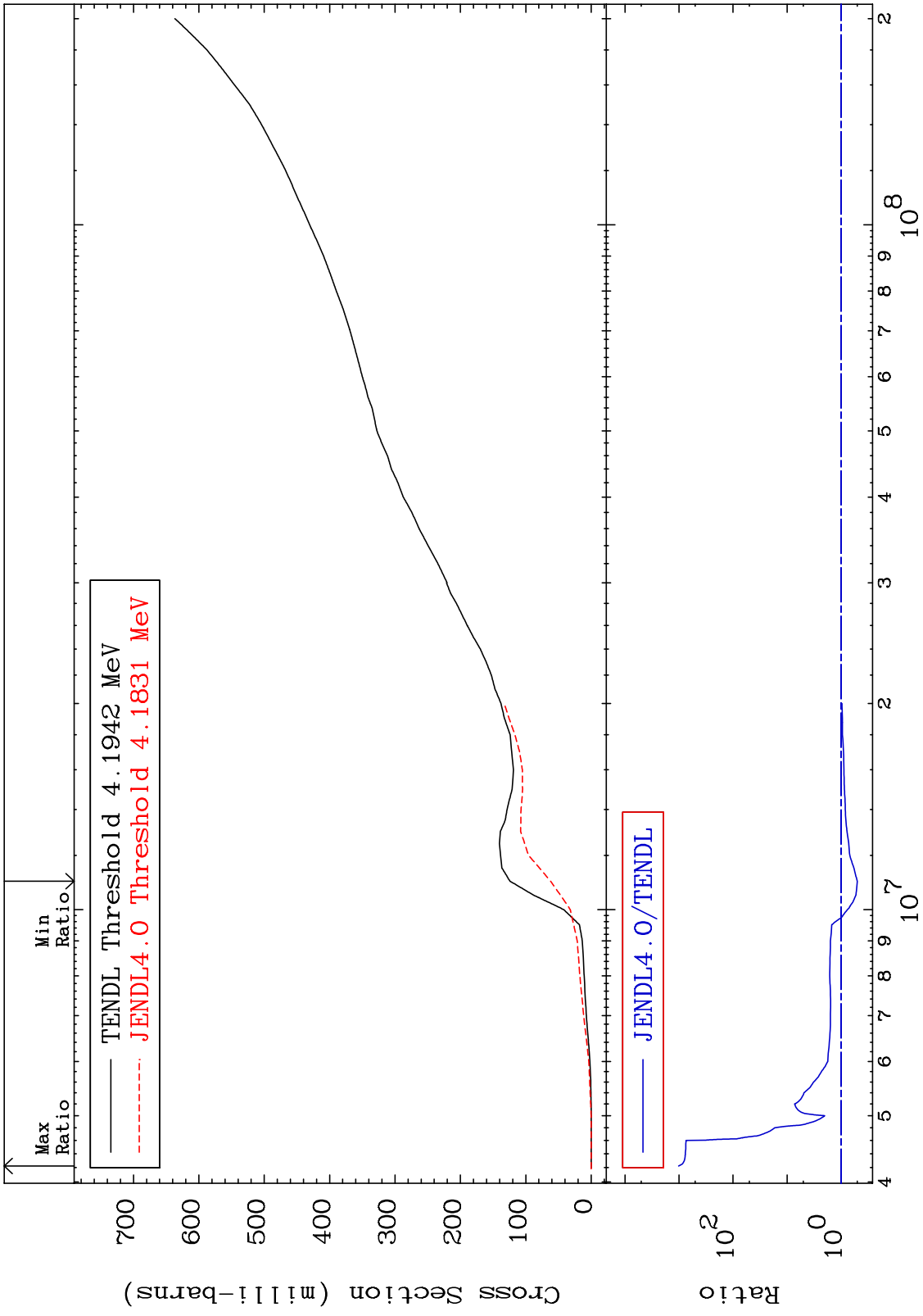
17-Cl-37



MAT 1731

Hydrogen Production
Cross Section

17-Cl-37
-49.91 To 9999. %



Max Ratio
Min Ratio
— TENDL Threshold 4.1942 MeV
- - - JENDL4.0 Threshold 4.1831 MeV

JENDL4.0/TENDL

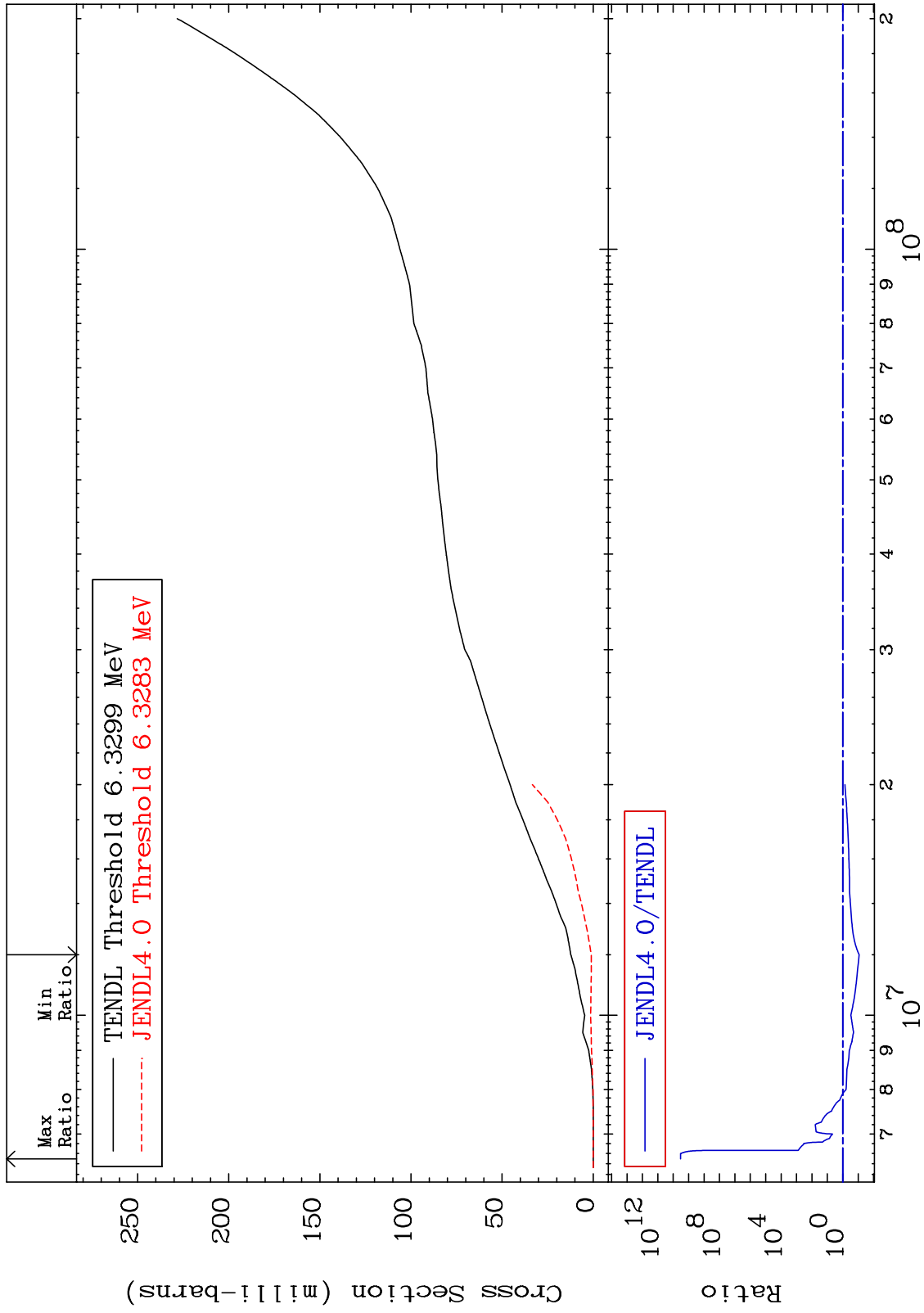
Incident Energy (eV)

17-Cl-37

MAT 1731

Deuterium Production
Cross Section

17-Cl-37
-91.41 To 9999. %



43

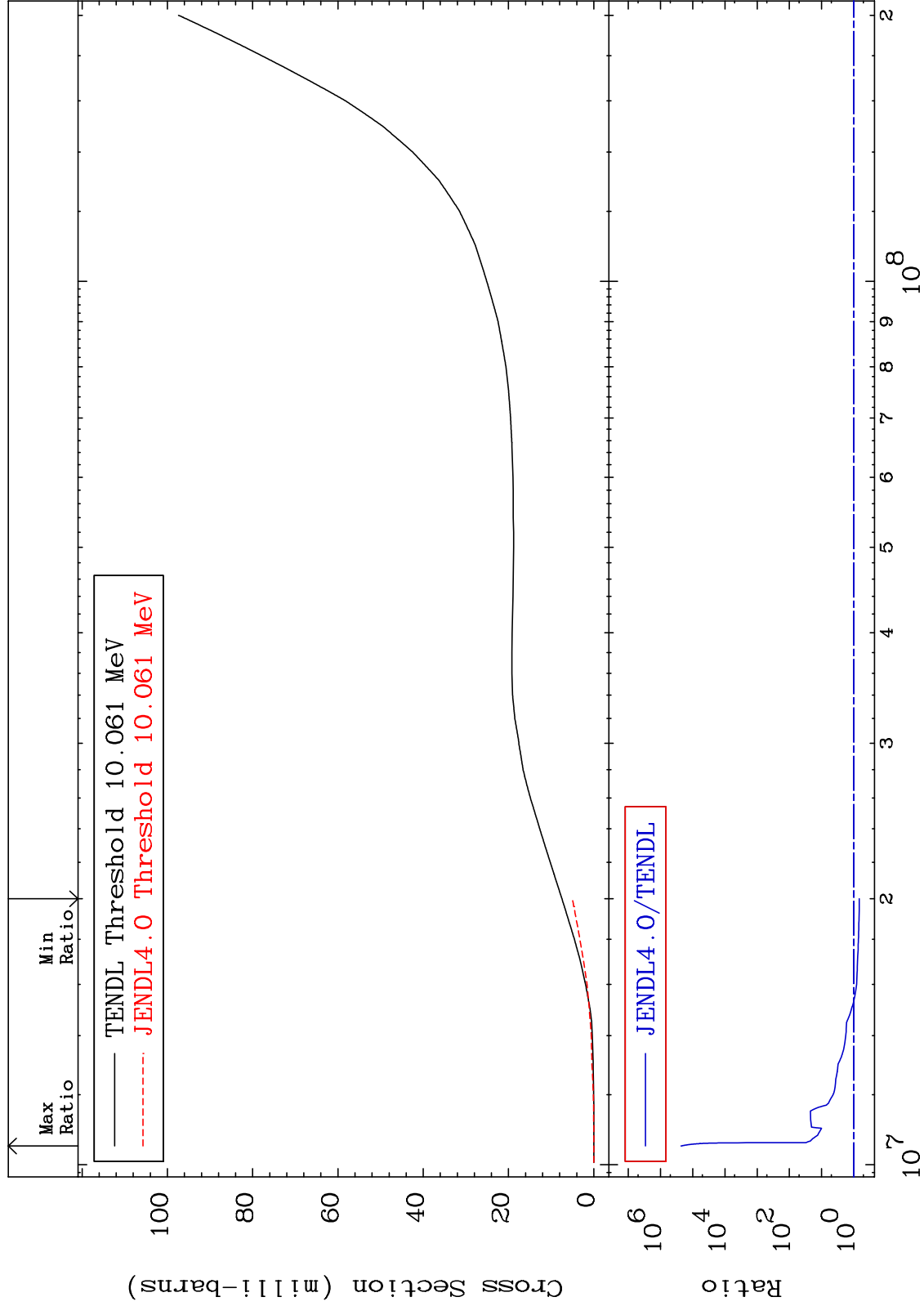
Incident Energy (eV)

17-Cl-37

MAT 1731

Tritium Production
Cross Section

17-Cl-37
-32.60 To 9999. %



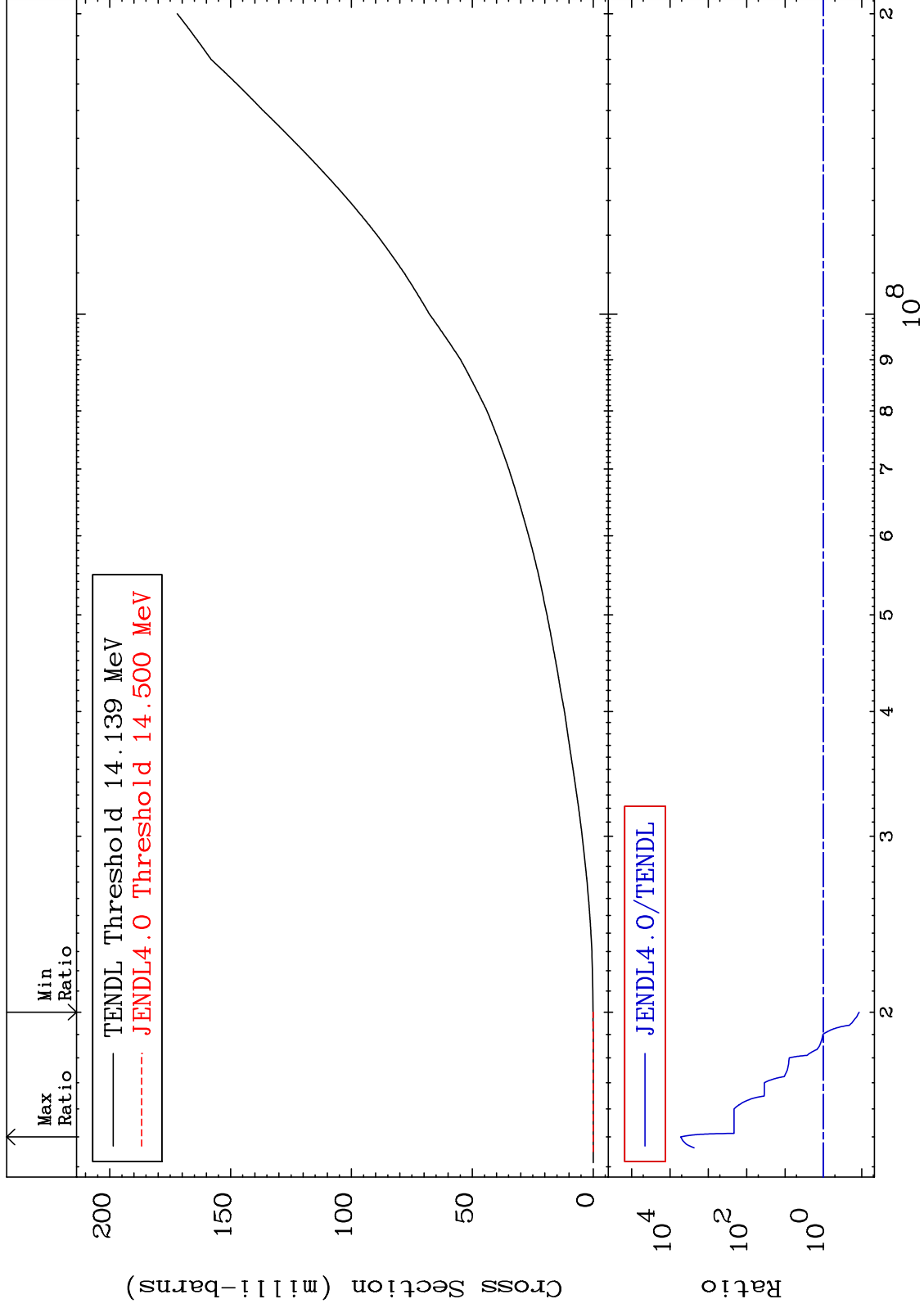
Incident Energy (eV)

17-Cl-37

MAT 1731

He-3 Production
Cross Section

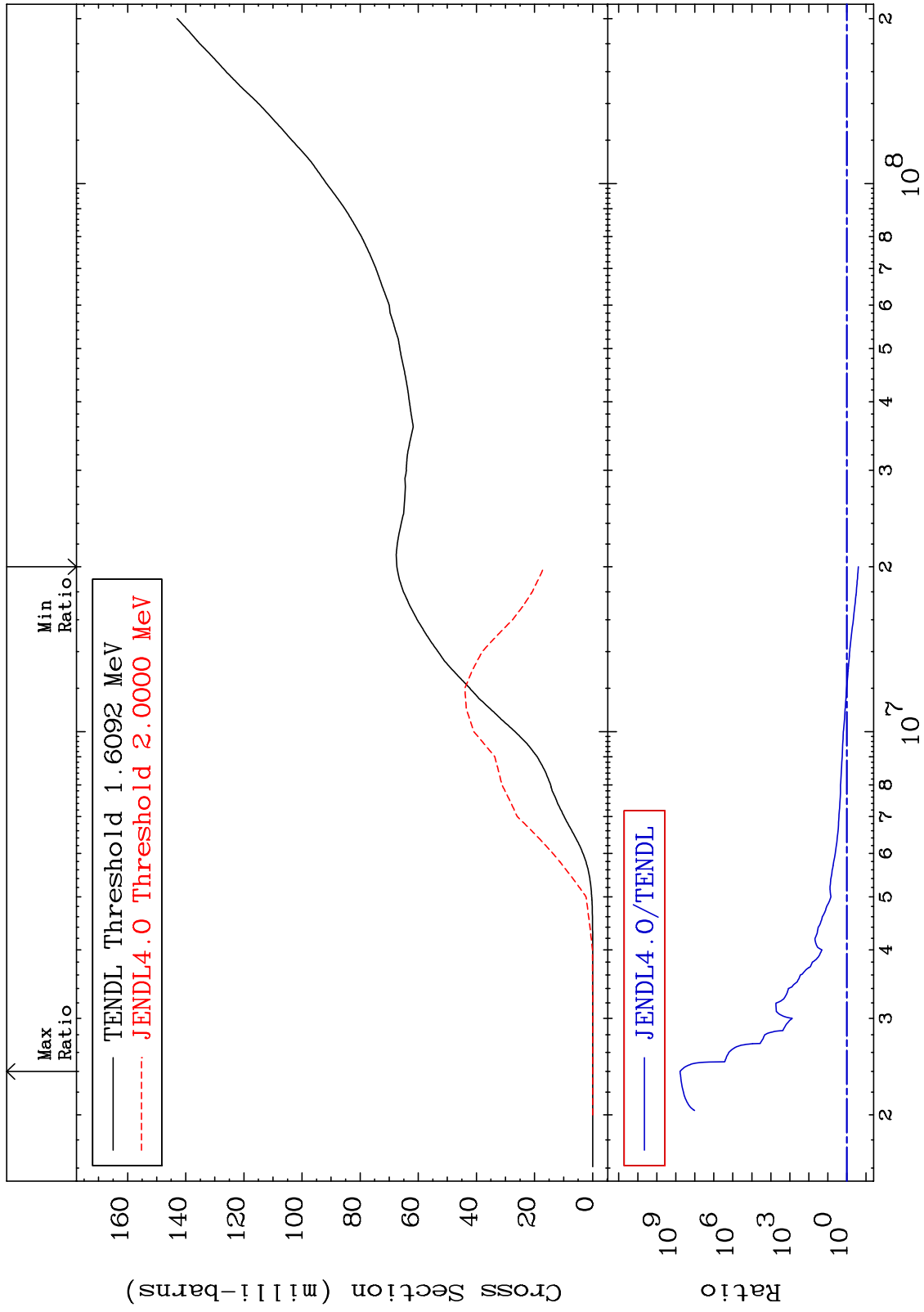
17-Cl-37
-88.35 To 9999. %



MAT 1731

He-4 Production
Cross Section

17-Cl-37
-75.26 To 9999. %

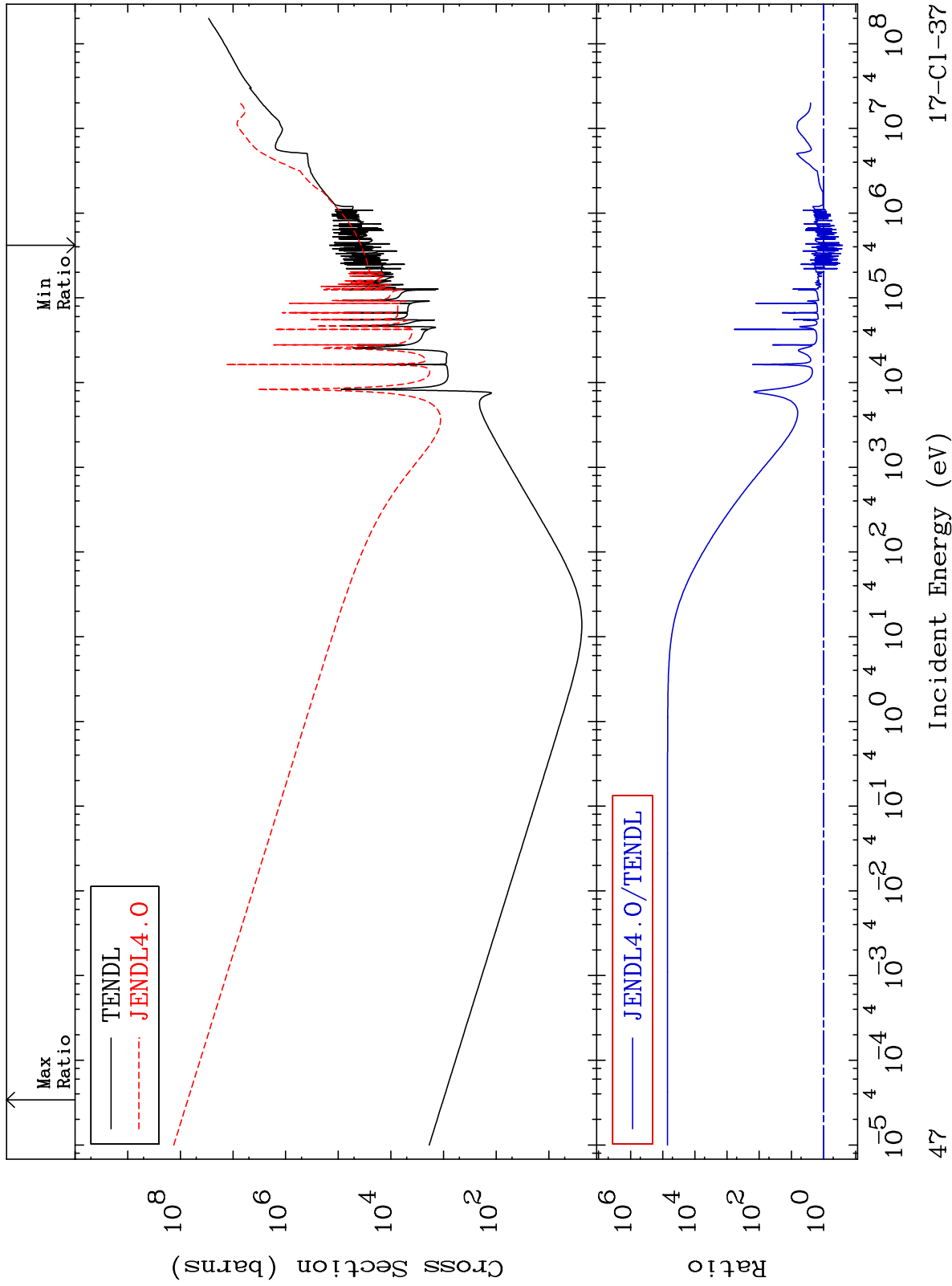


46

Incident Energy (eV)

17-Cl-37

MAT 1731 Kerma total (eV-barns)
Cross Section 17-Cl-37
-74.64 To 9999. %



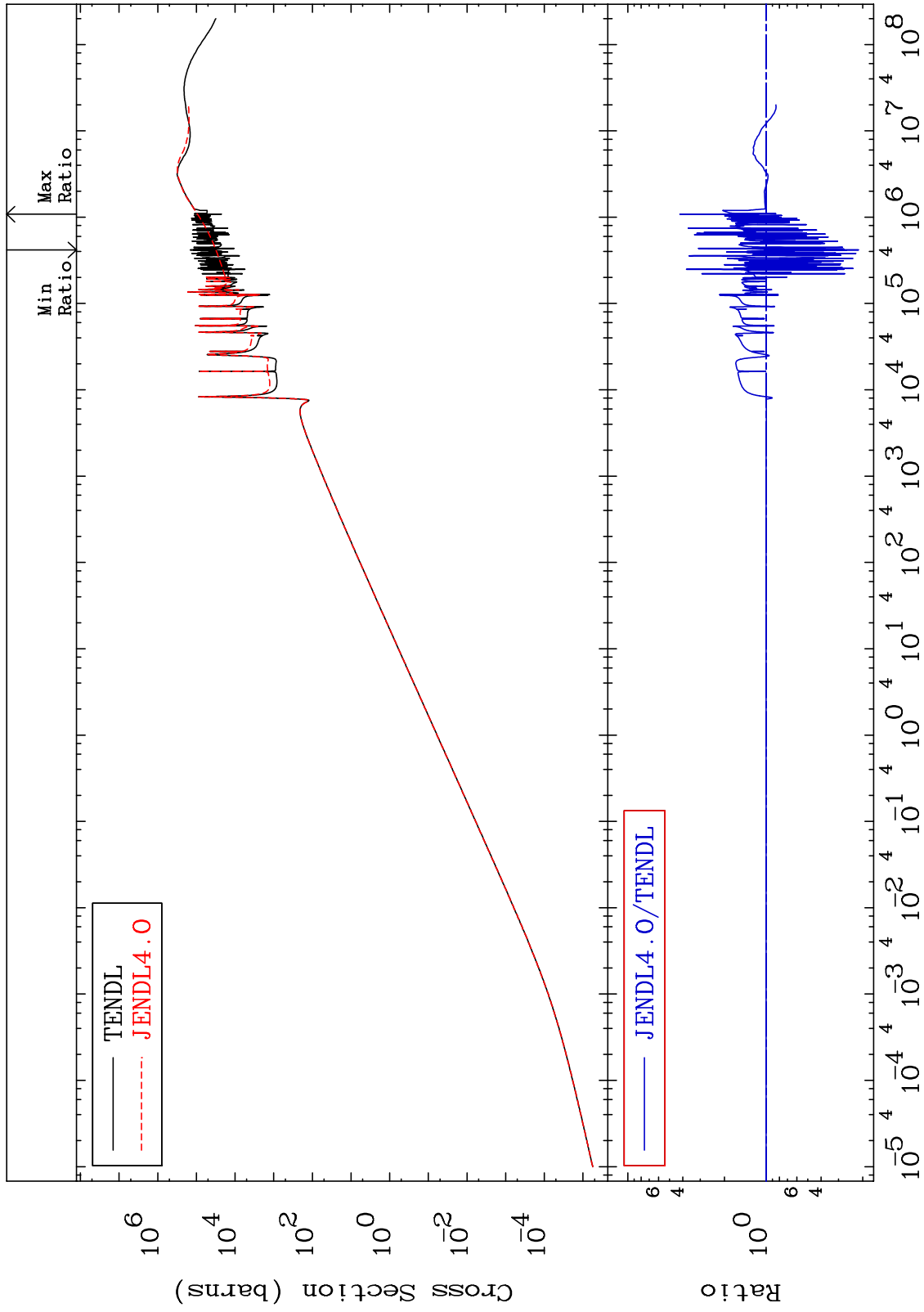
17-Cl-37

Incident Energy (eV)

MAT 1731

Kerma elastic
Cross Section

17-Cl-37
-78.50 To 319.4 %



48

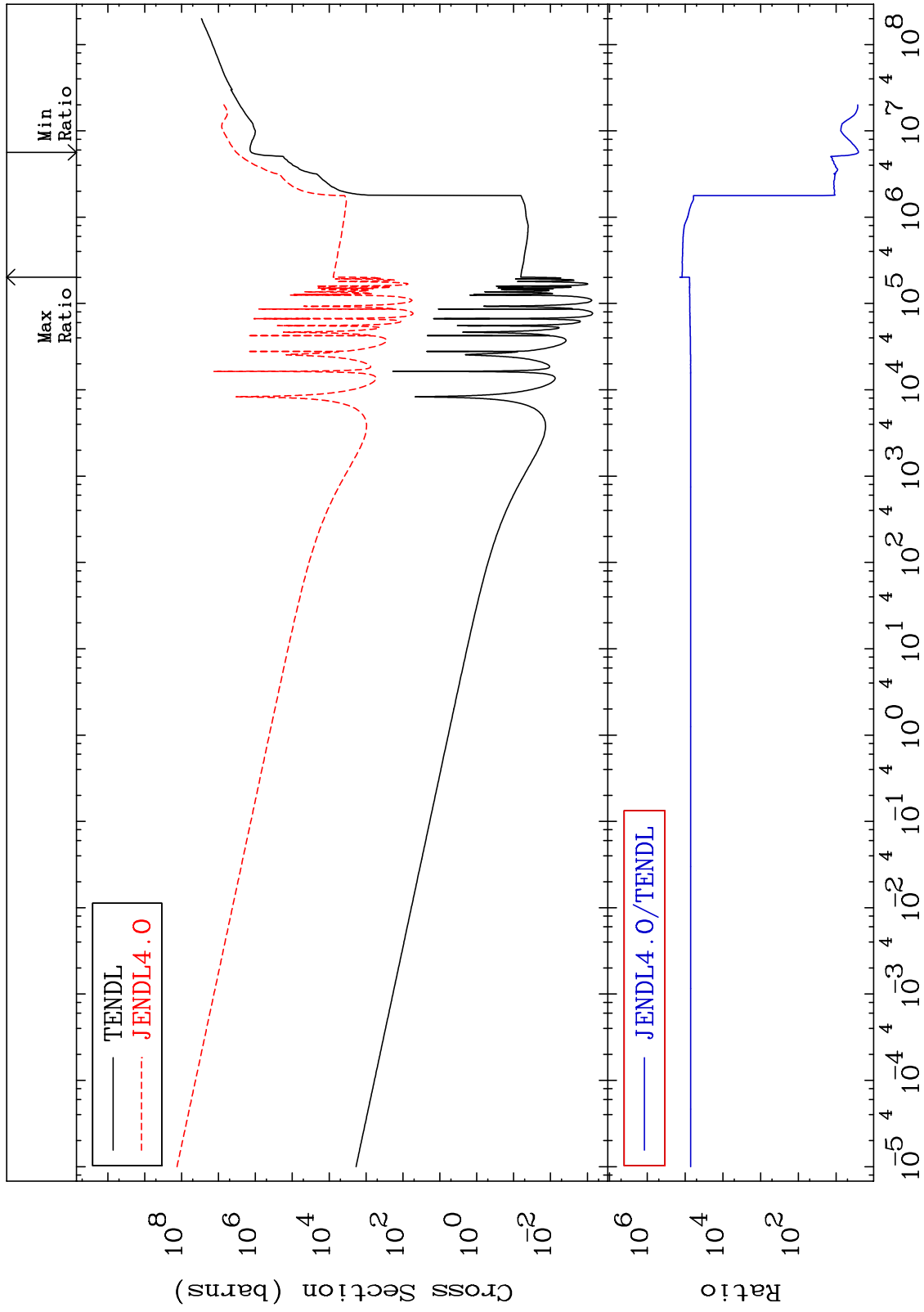
Incident Energy (eV)

17-Cl-37

MAT 1731

Kerma non-elastic (all but mt2)
Cross Section

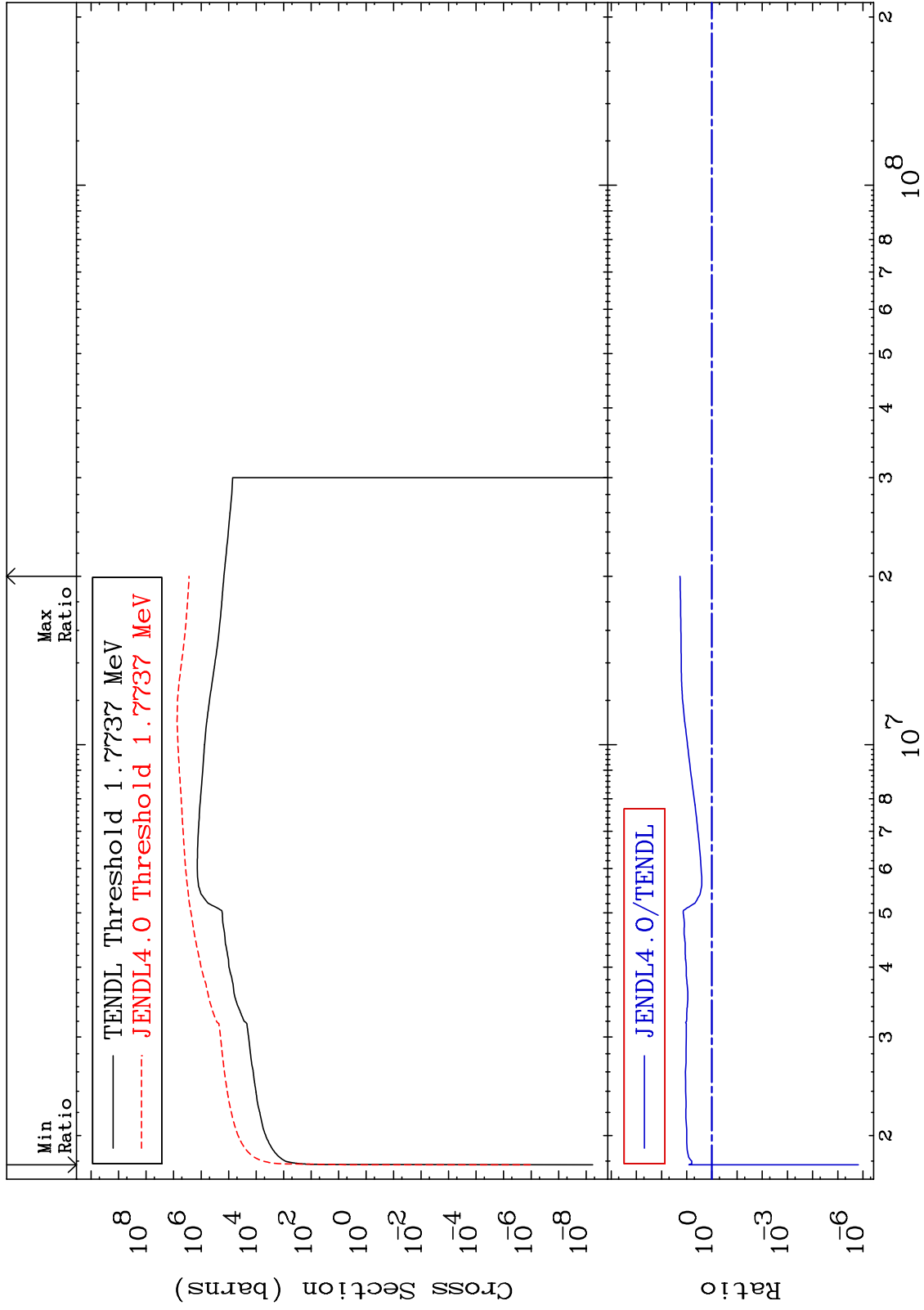
17-Cl-37
155.8 To 9999. %



MAT 1731

Kerma inelastic (mt51-91)
Cross Section

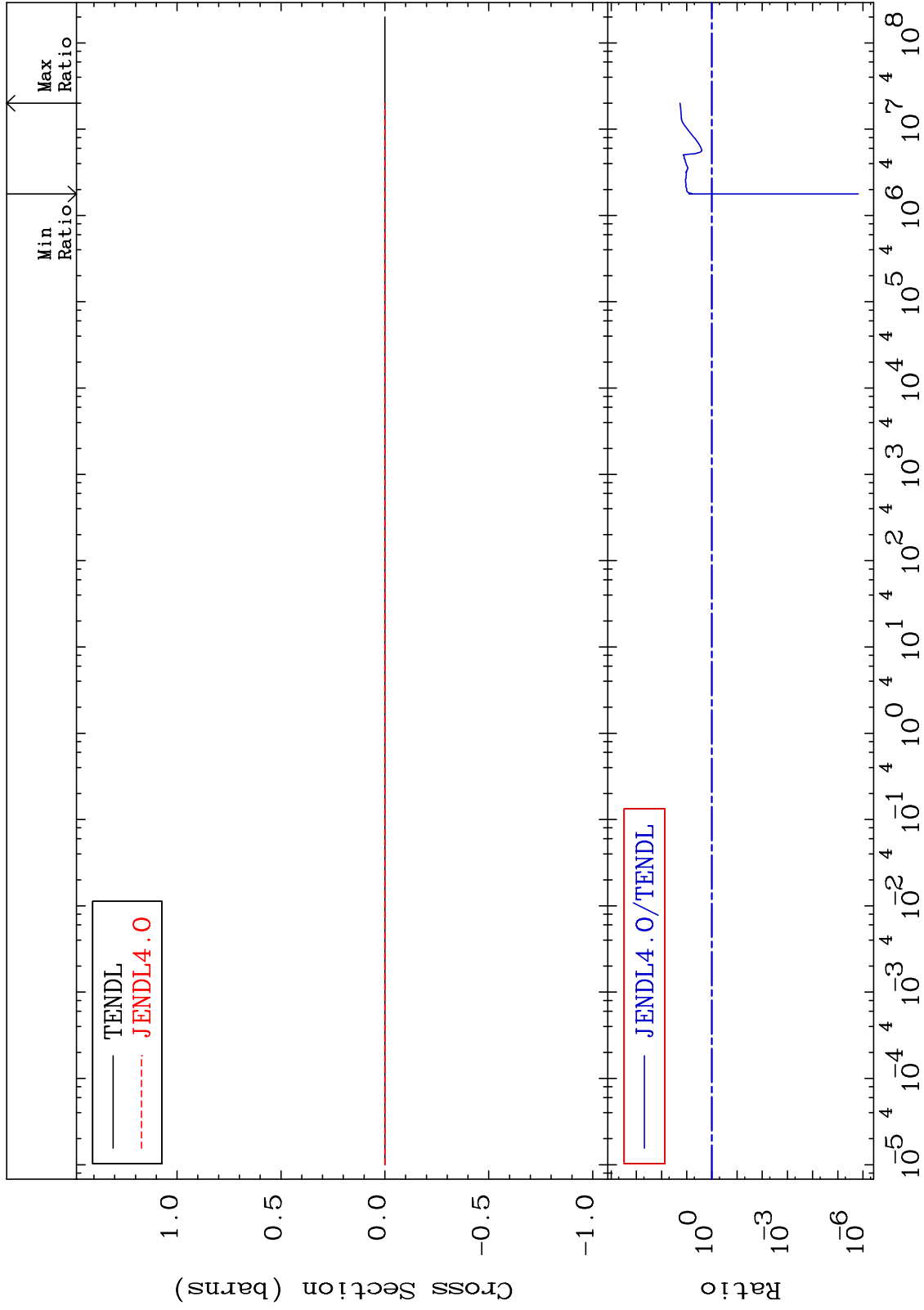
17-Cl-37
-100.0 To 1743. %



MAT 1731

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

17-CI-37
-100.0 To 1743. %



51

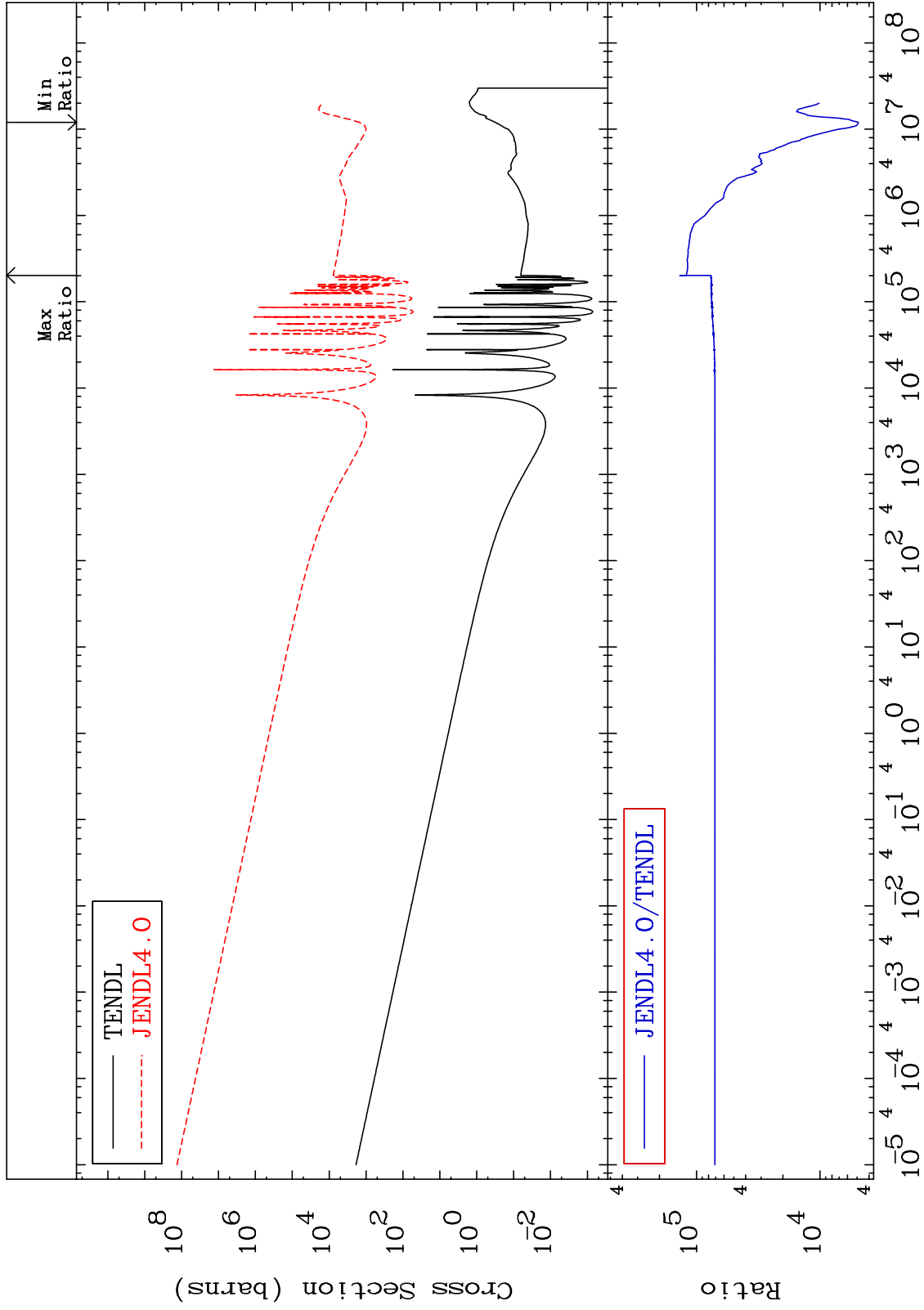
Incident Energy (eV)

17-CI-37

MAT 1731

Kerma capture (mt102)
Cross Section

17-Cl-37
9999. To 9999. %



52

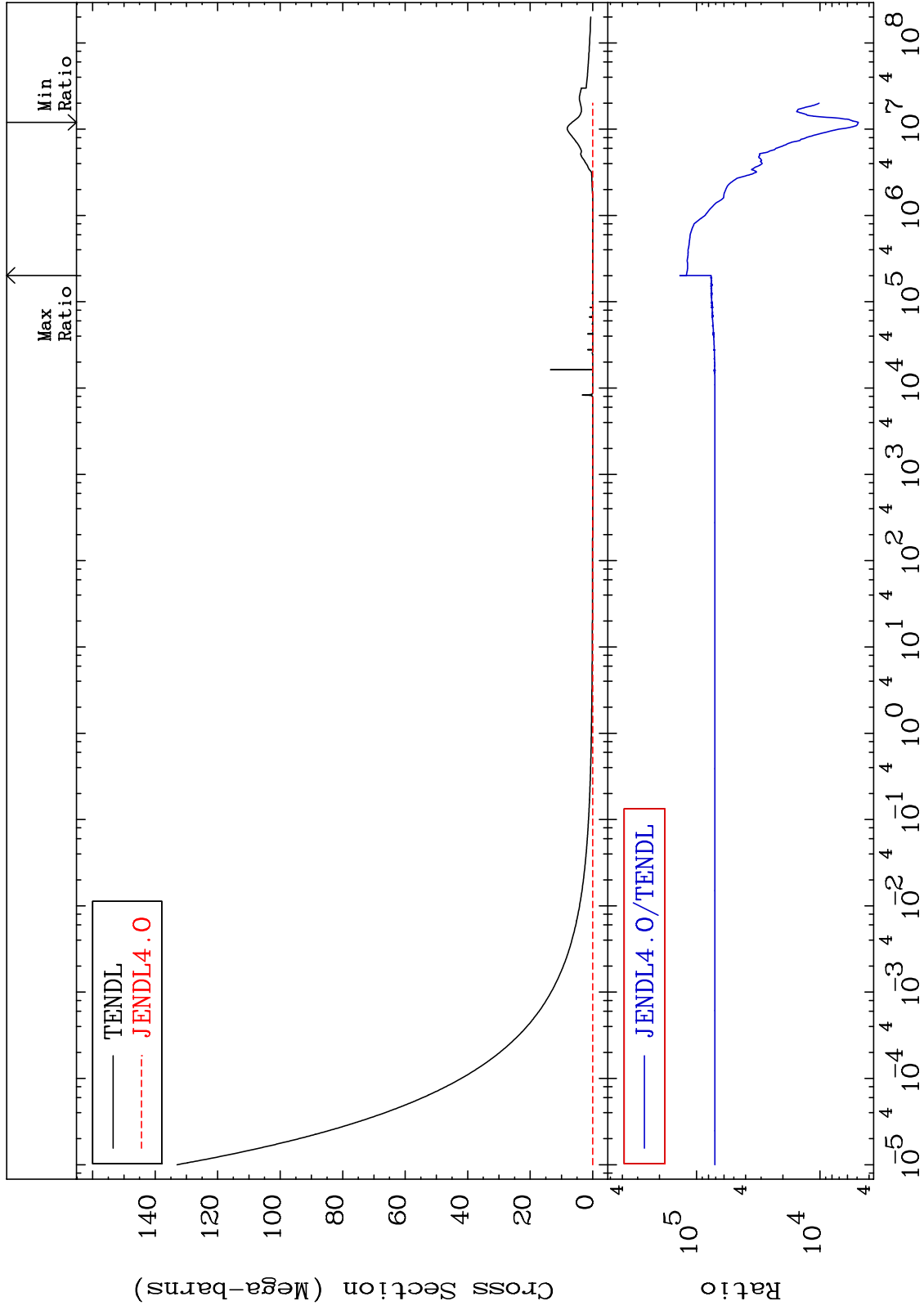
Incident Energy (eV)

17-Cl-37

MAT 1731

Total photon (eV-barns)
Cross Section

17-Cl-37
9999. To 9999. %



53

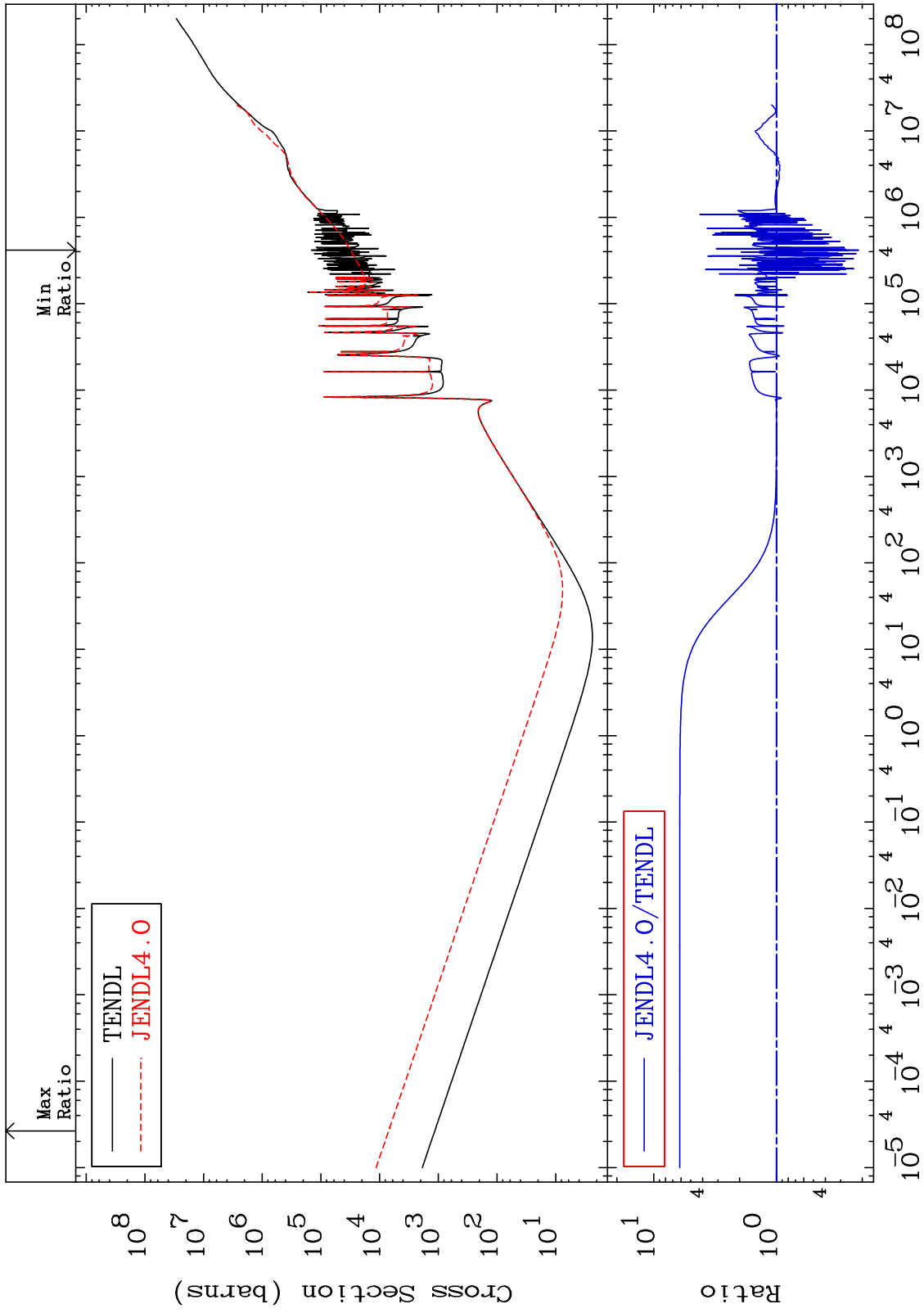
Incident Energy (eV)

17-Cl-37

MAT 1731

Total kinematic kerma (high limit)
Cross Section

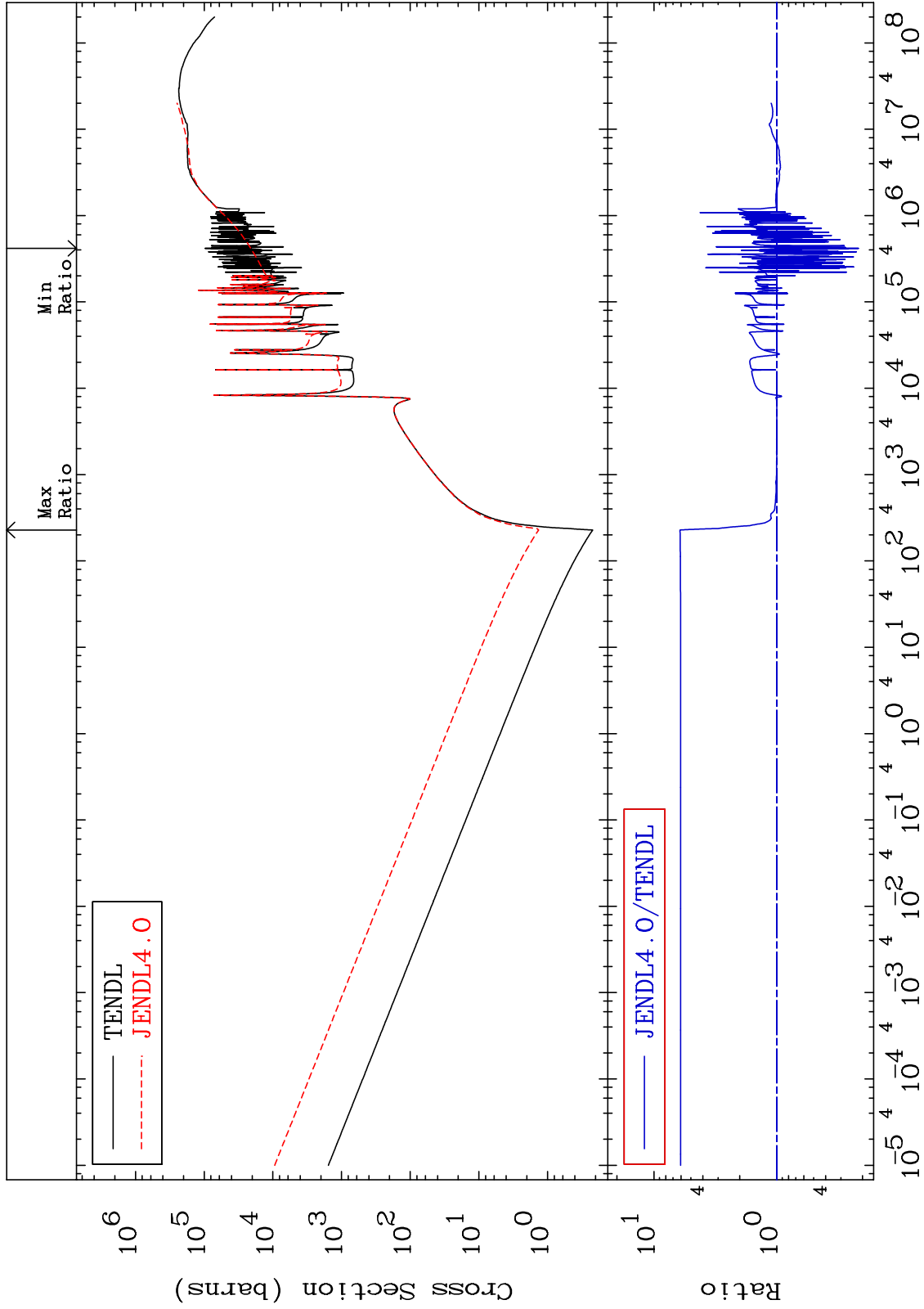
17-Cl-37
-78.49 To 512.9 %



MAT 1731

Dpa total (eV-barns)
Cross Section

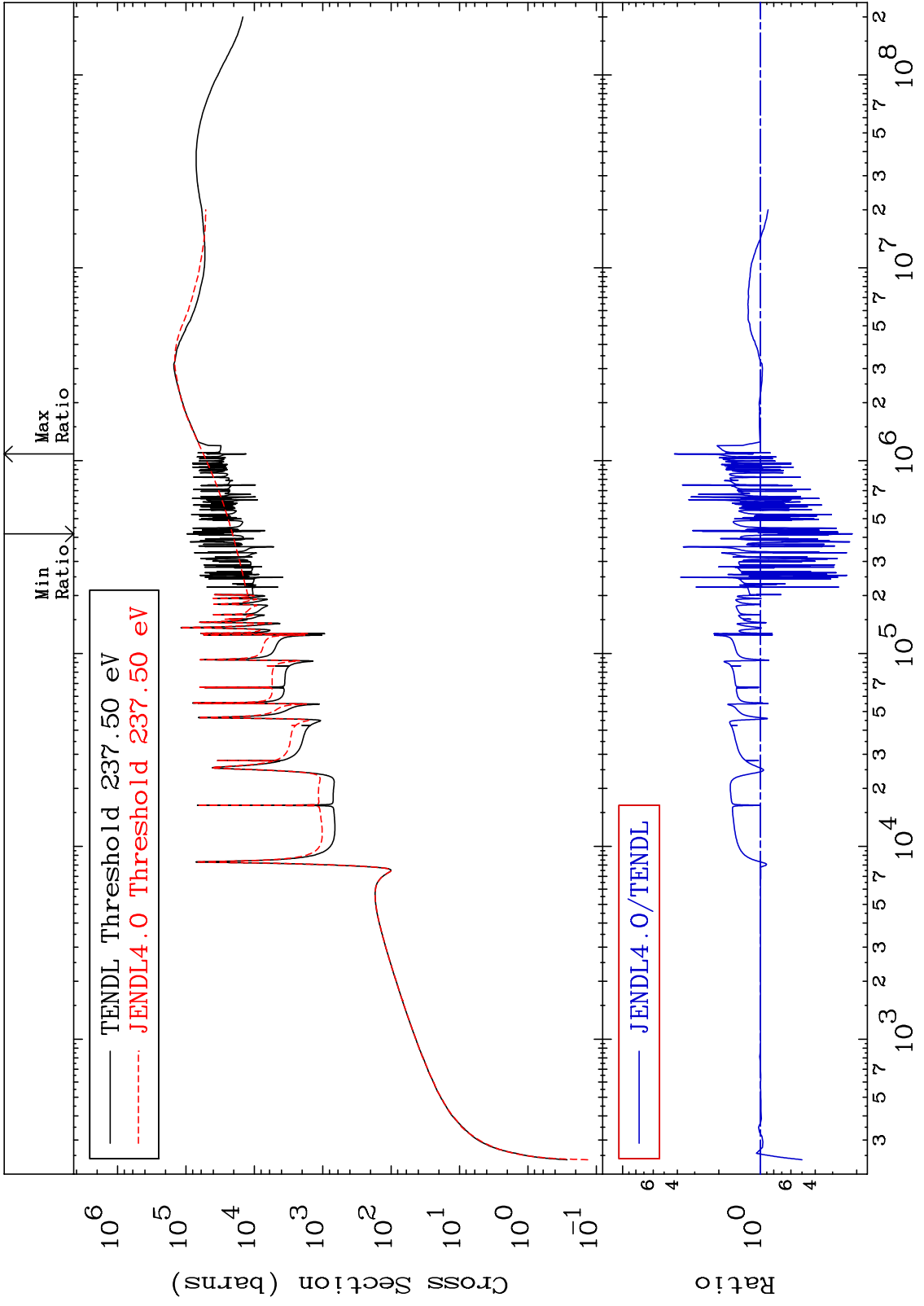
17-Cl-37
-78.40 To 512.8 %



MAT 1731

Dpa elastic (mt2)
Cross Section

17-CI-37
-78.41 To 319.4 %



56

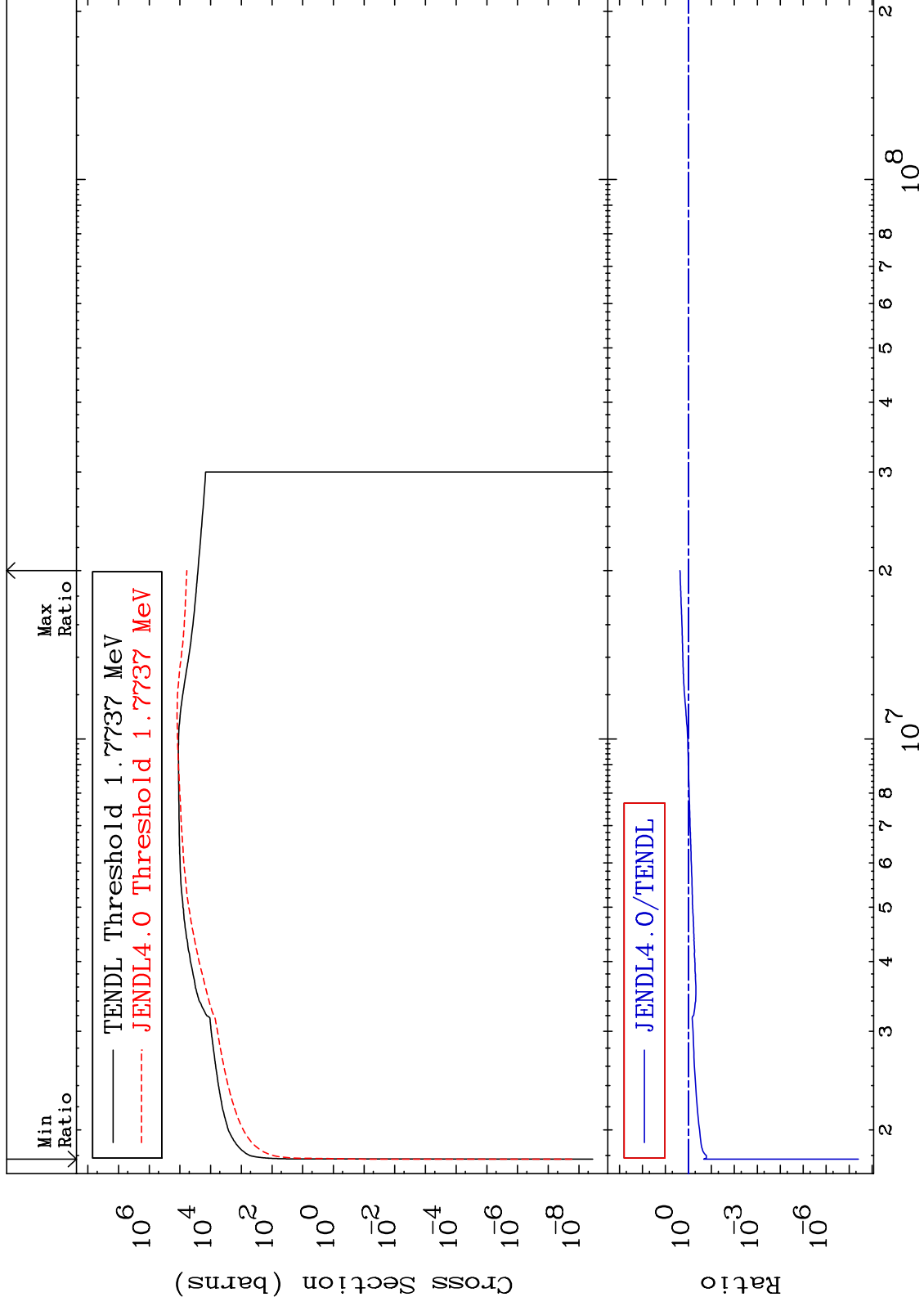
Incident Energy (eV)

17-CI-37

MAT 1731

Dpa inelastic (mt51-91)
Cross Section

17-Cl-37
-100.0 To 131.1 %



57

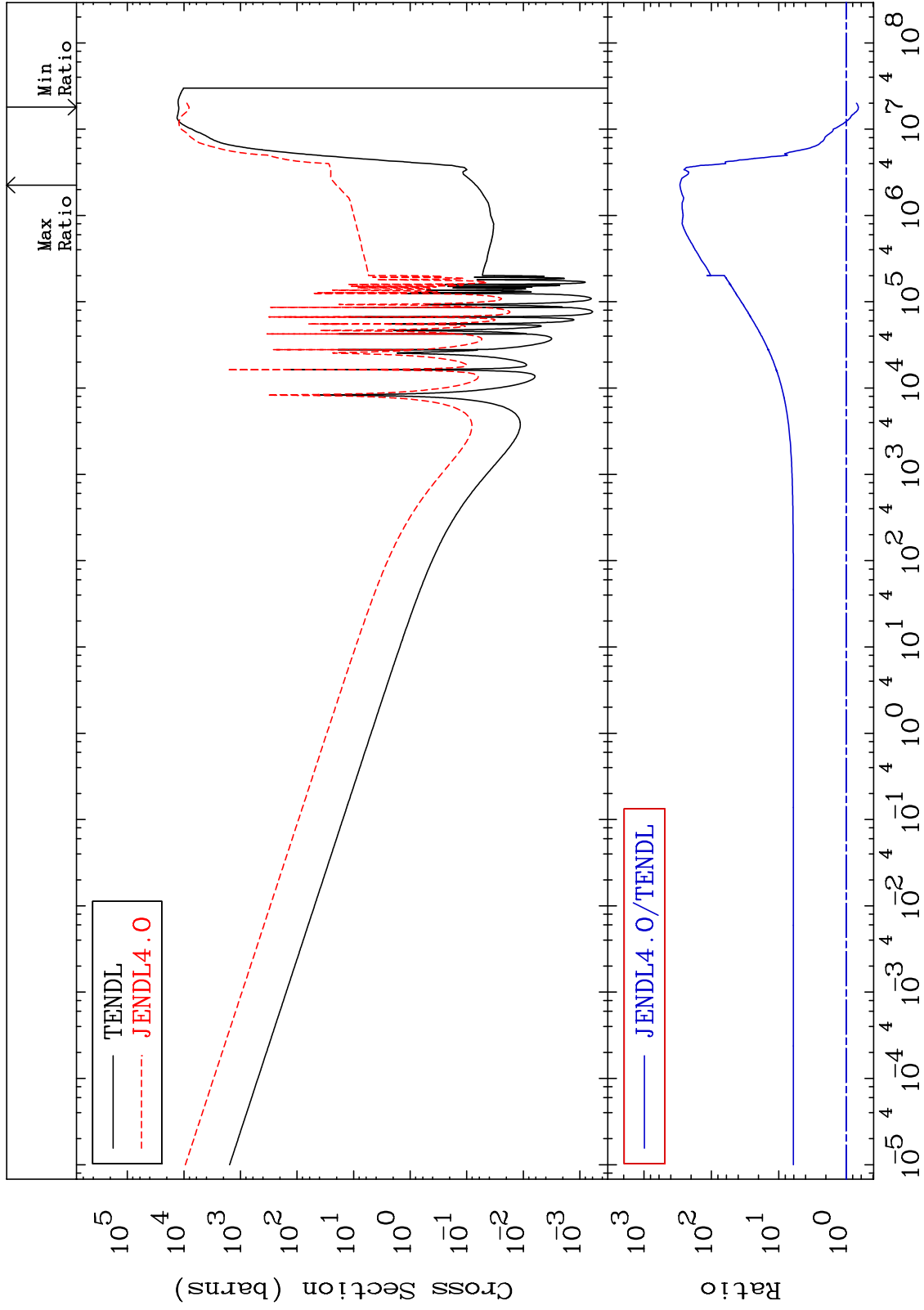
Incident Energy (eV)

17-Cl-37

MAT 1731

Dpa disappearance (mt102 -120)
Cross Section

17-CI-37
-34.21 To 9999. %



58

Incident Energy (eV)

17-CI-37