

Program Complot
(Version 2018-1)

by

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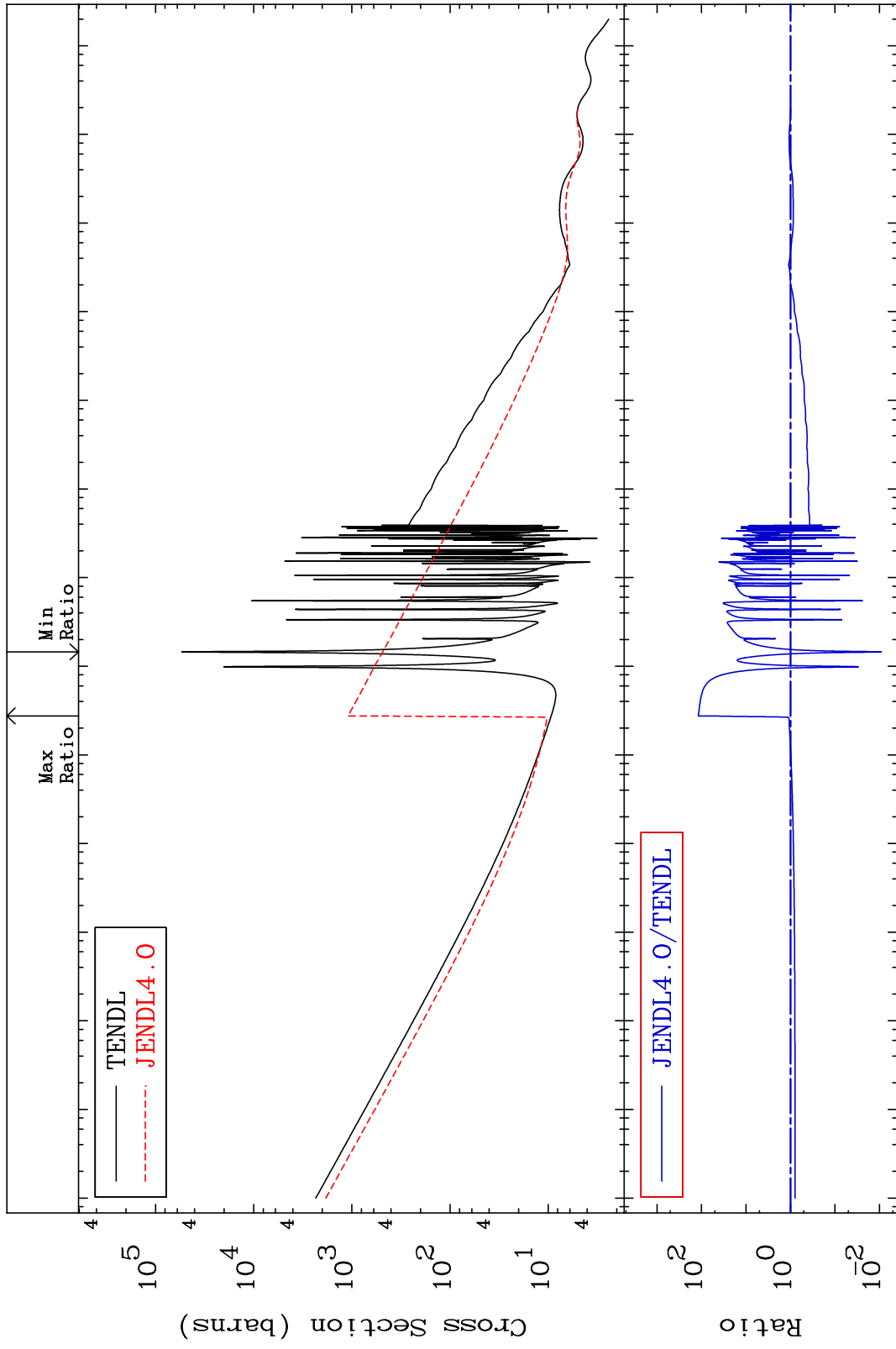
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6619

Total
Cross Section

66-Dy-154
-99.10 To 9999. %



Incident Energy (eV)

66-Dy-154

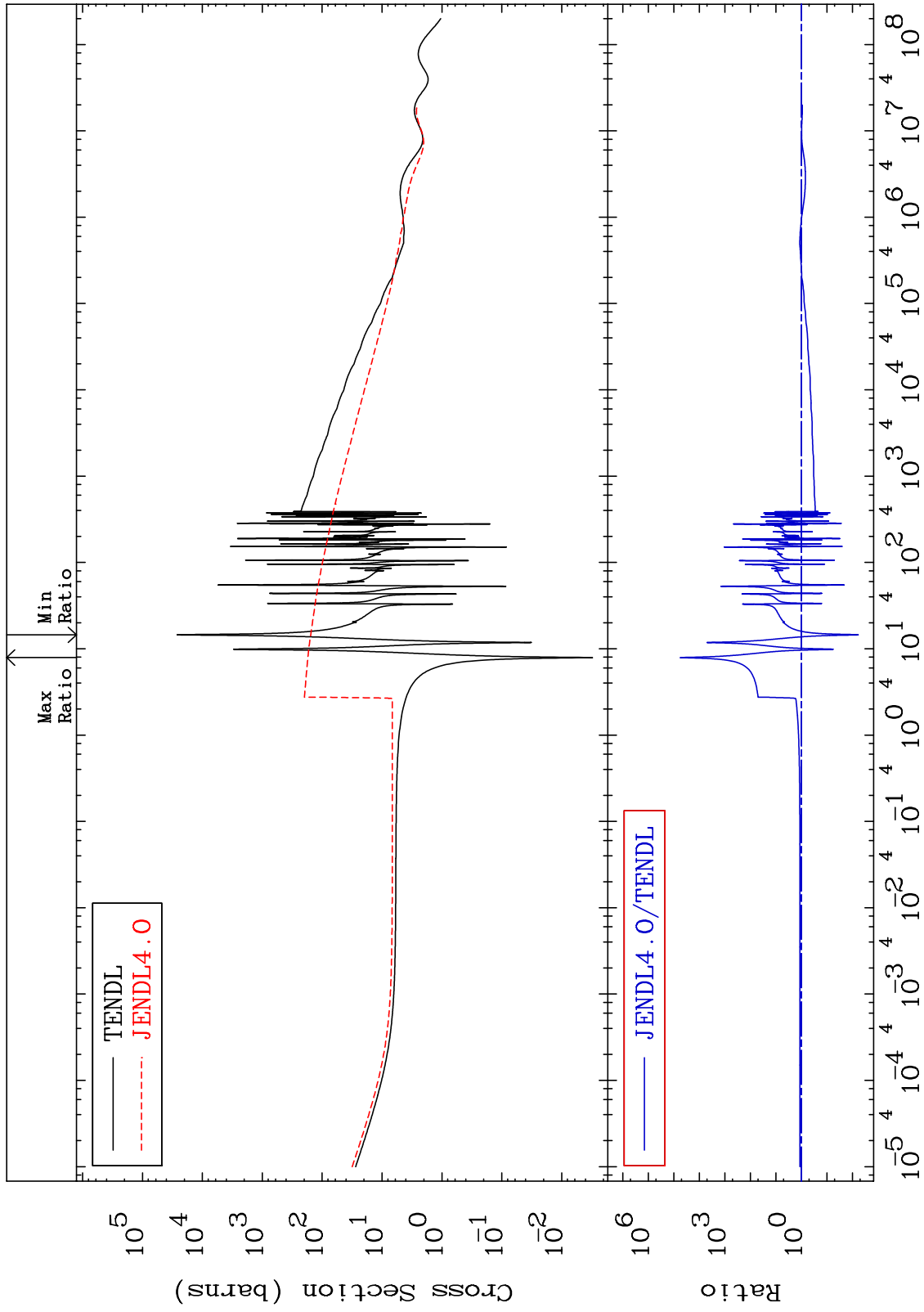
MAT 6619

Elastic

66-Dy-154

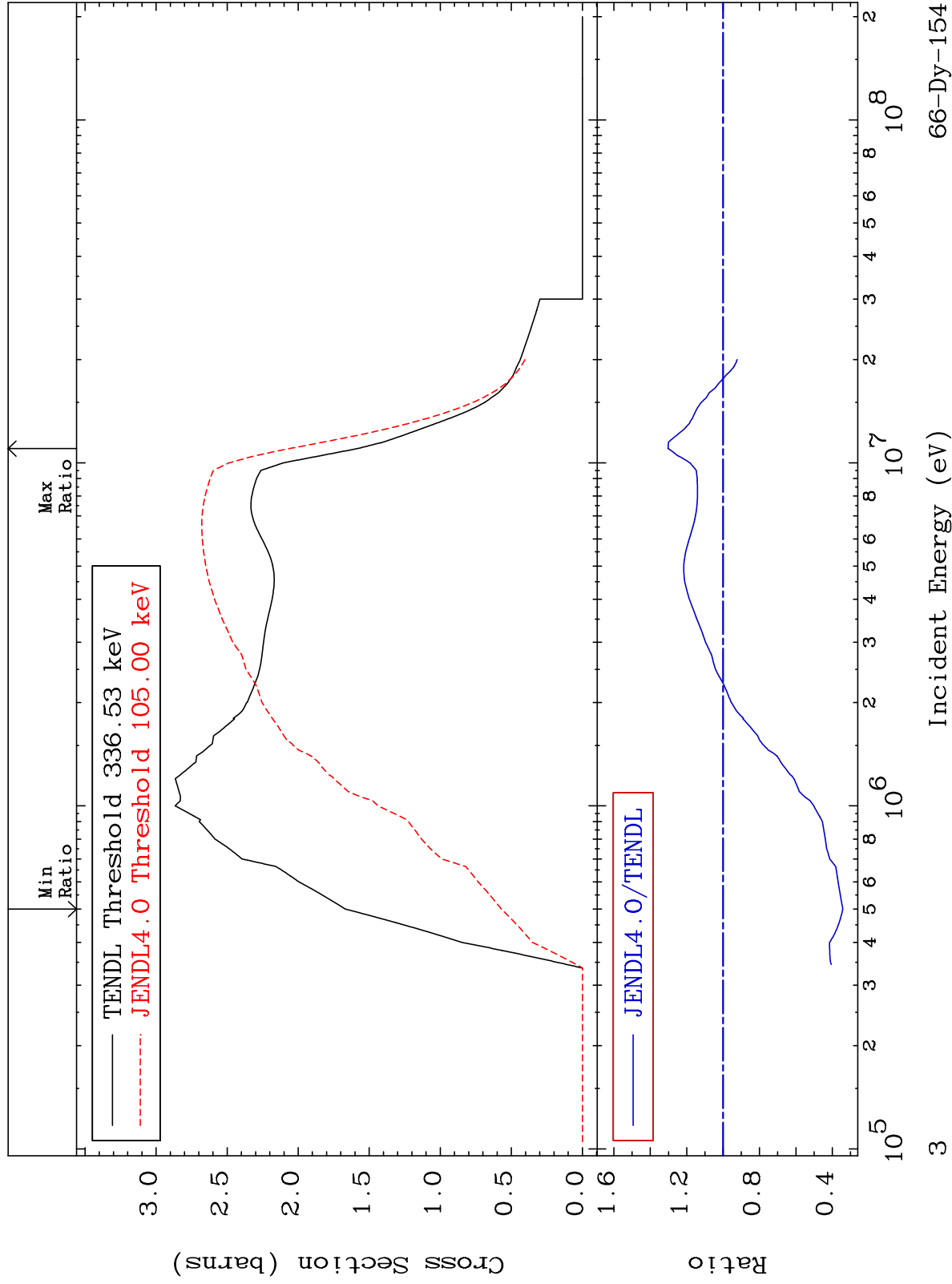
Cross Section

-99.41 To 9999. %



MAT 6619

Inelastic Cross Section
66-Dy-154
-65.80 To 30.27 %



66-Dy-154

Incident Energy (eV)

3

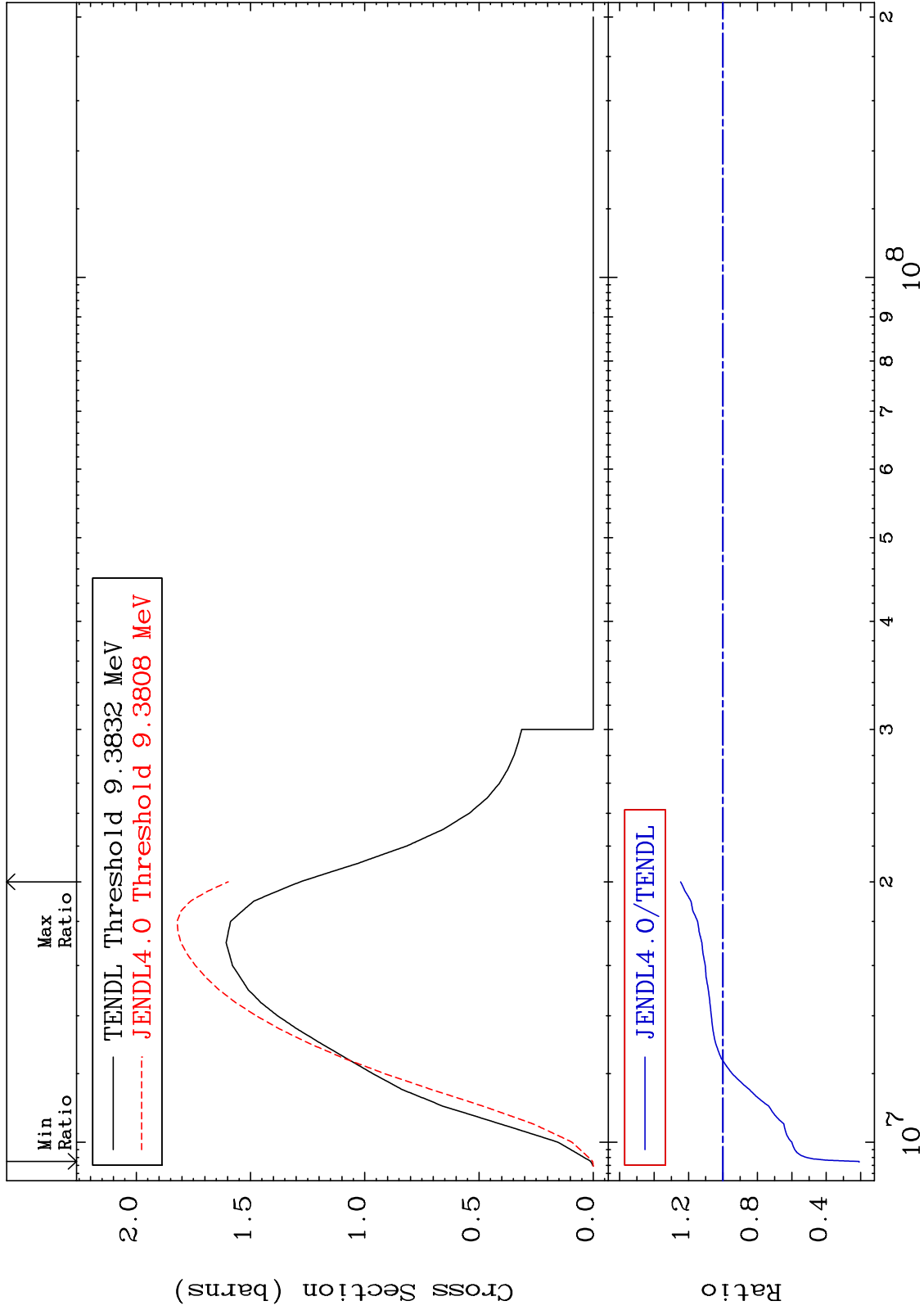
MAT 6619

(n,2n)

66-Dy-154

Cross Section

-79.11 To 24.60 %



4

Incident Energy (eV)

66-Dy-154

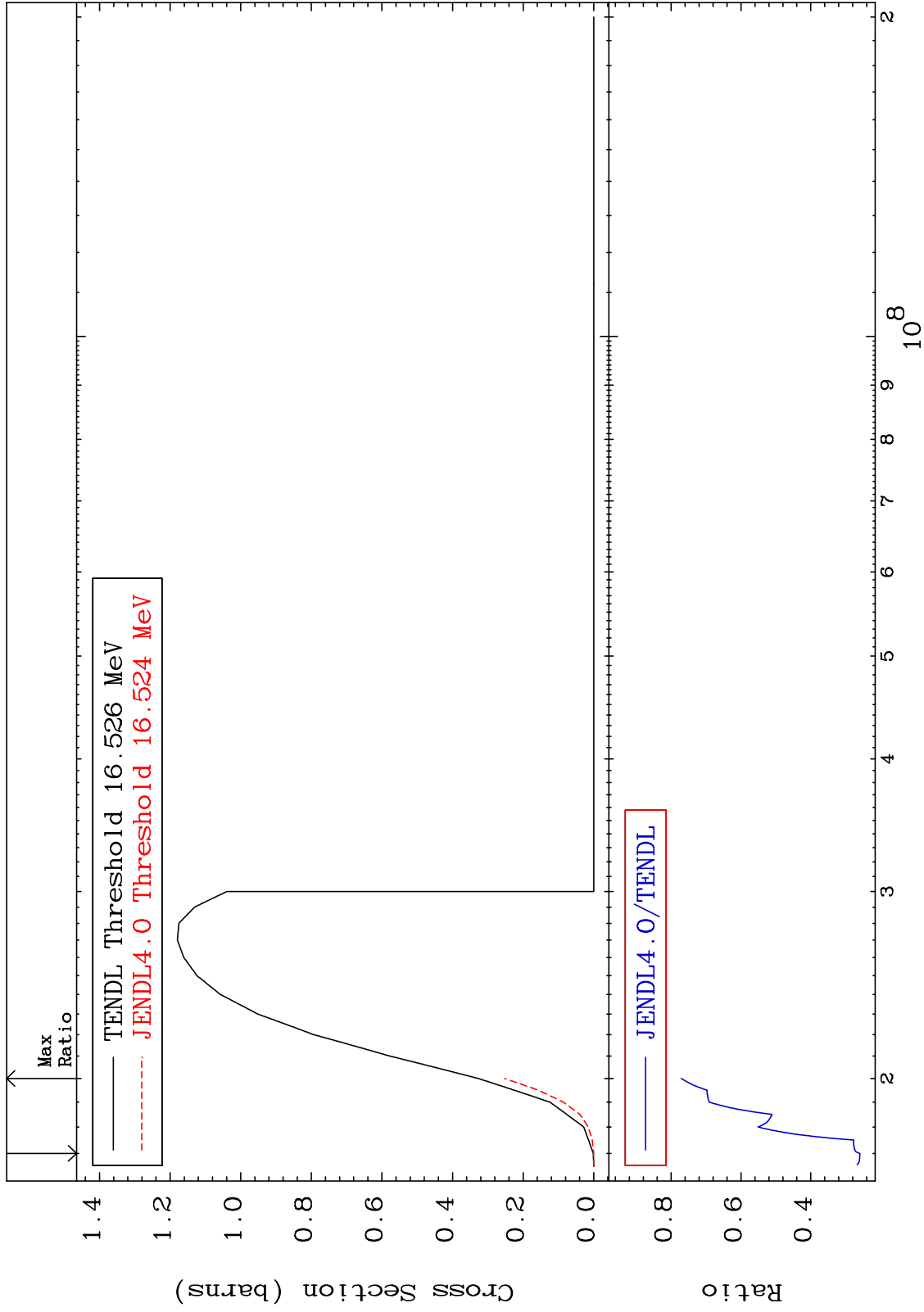
MAT 6619

(n, 3n)

66-Dy-154

Cross Section

-74.08 To -22.88%



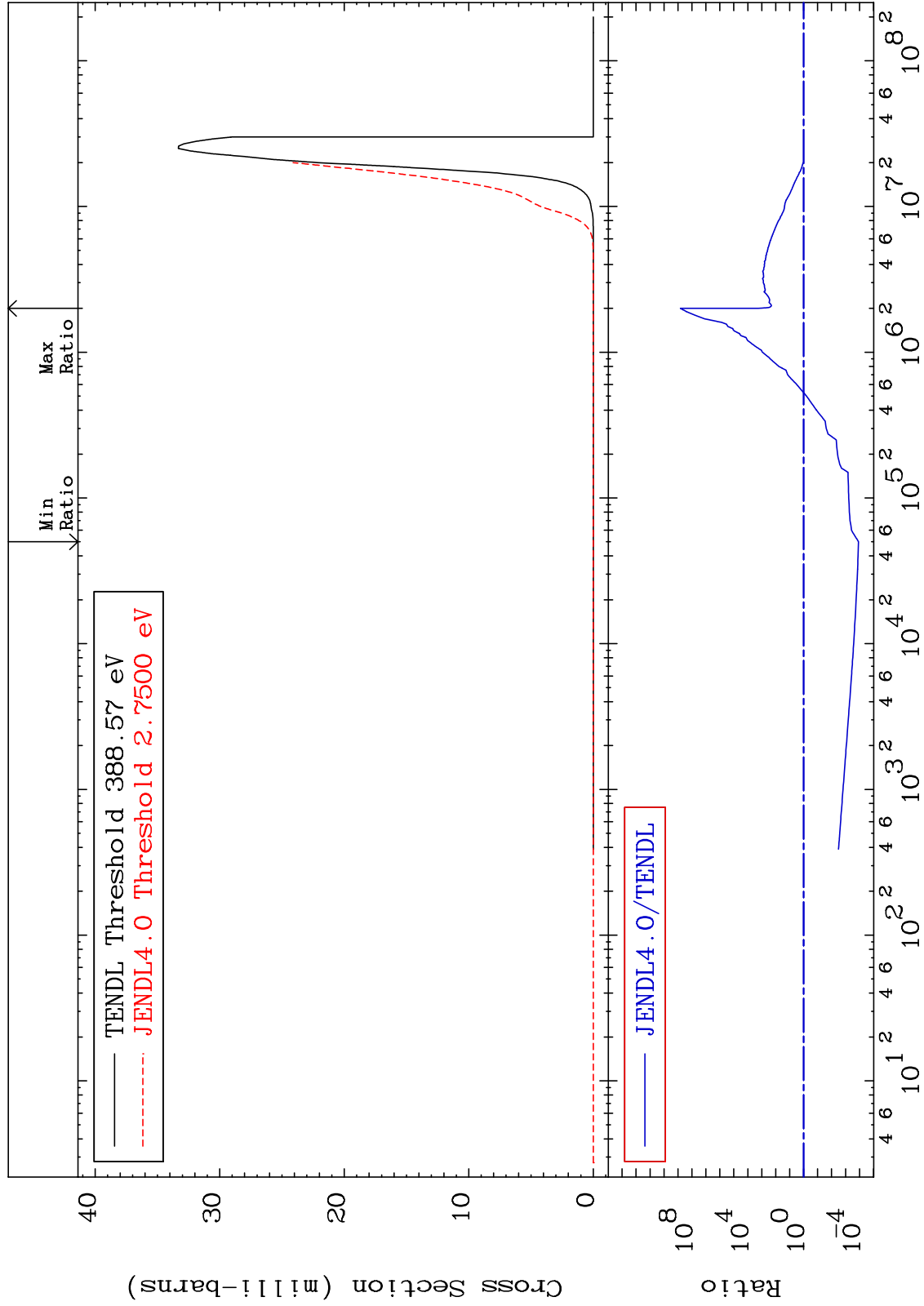
MAT 6619

(n, n') α

66-Dy-154

Cross Section

-99.99 To 9999. %



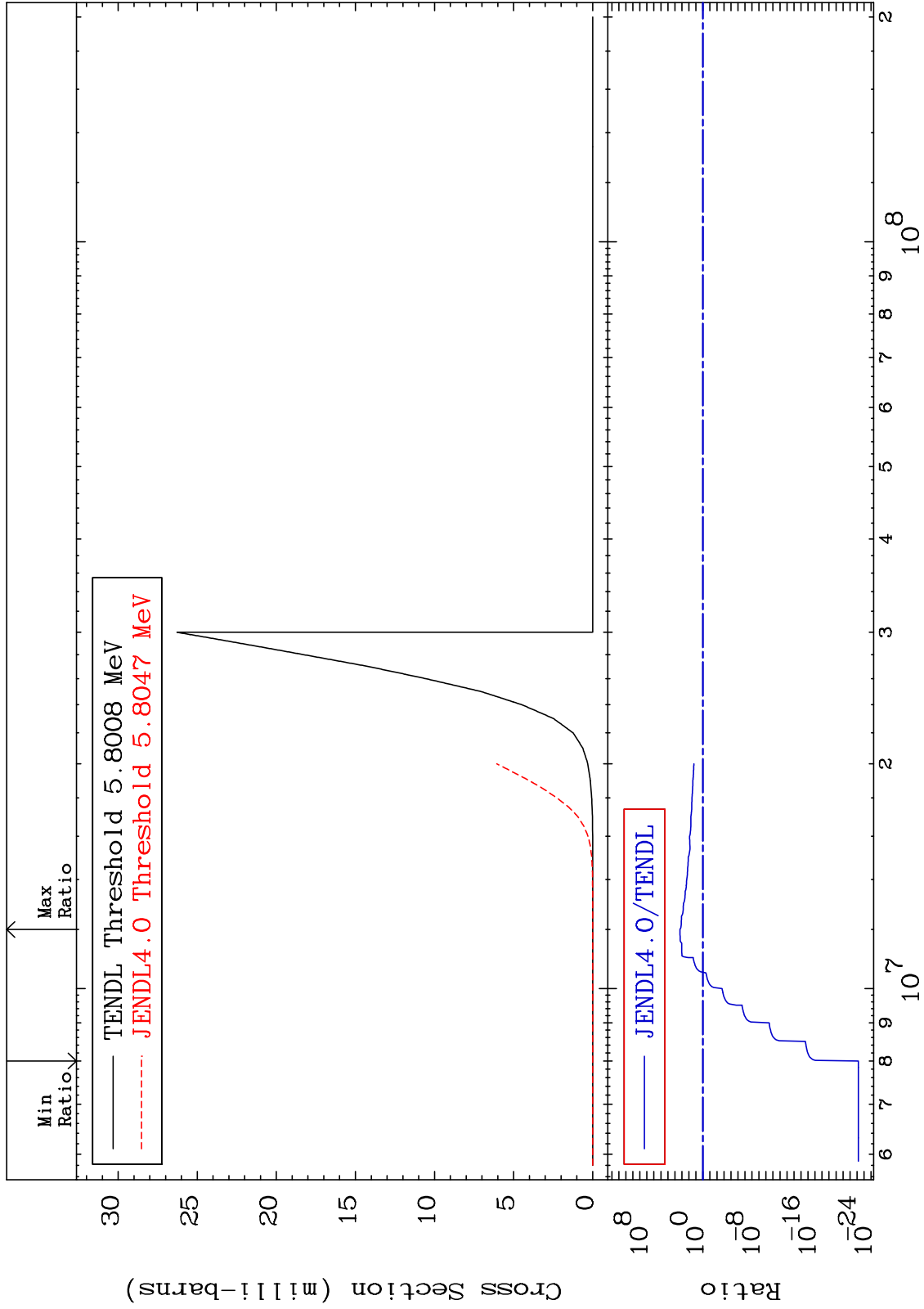
MAT 6619

(n,2n) α

66-Dy-154

Cross Section

-100.0 To 9999. %



7

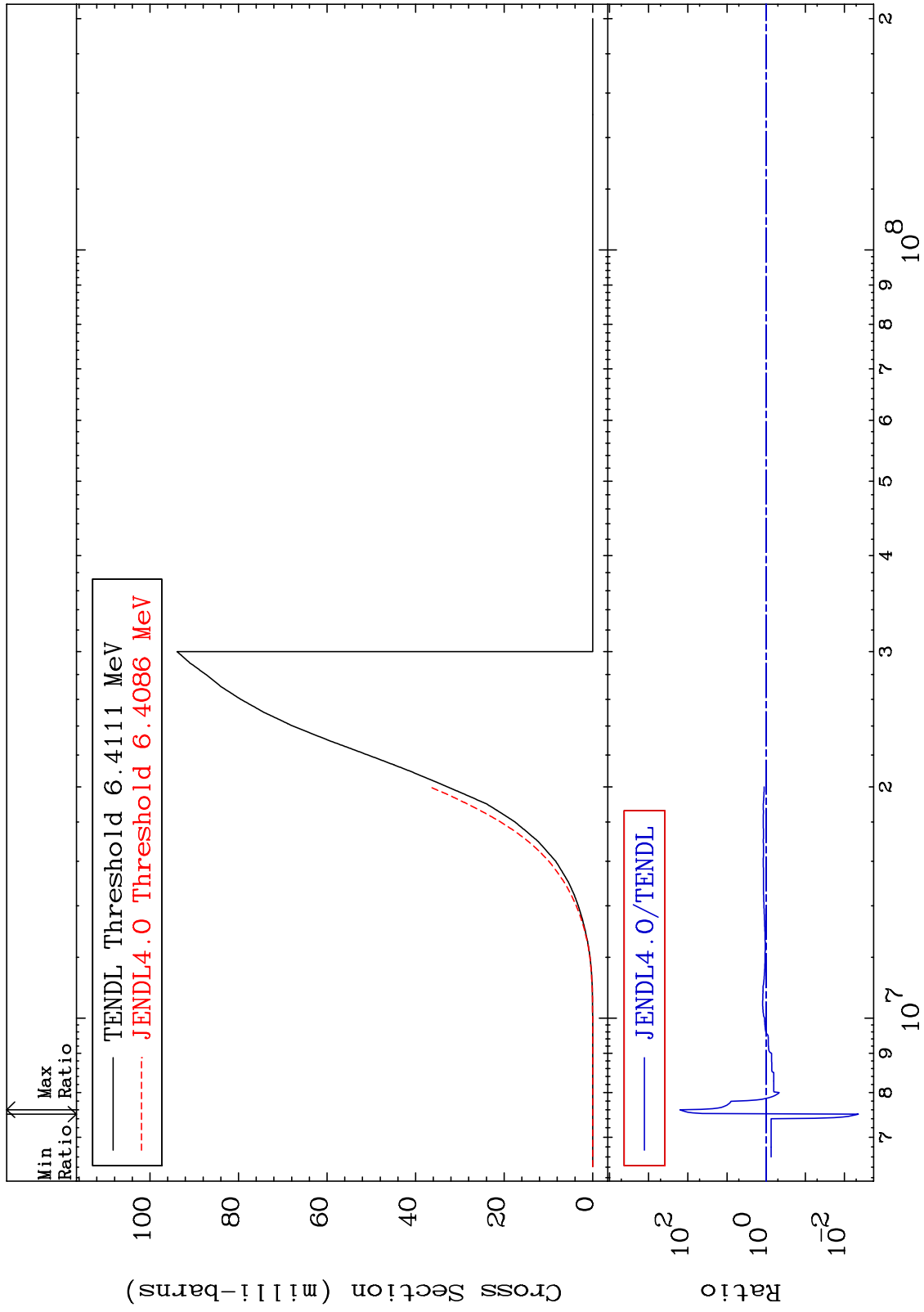
Incident Energy (eV)

66-Dy-154

MAT 6619

(n,n') p
Cross Section

66-Dy-154
-99.56 To 9999. %



8

Incident Energy (eV)

66-Dy-154

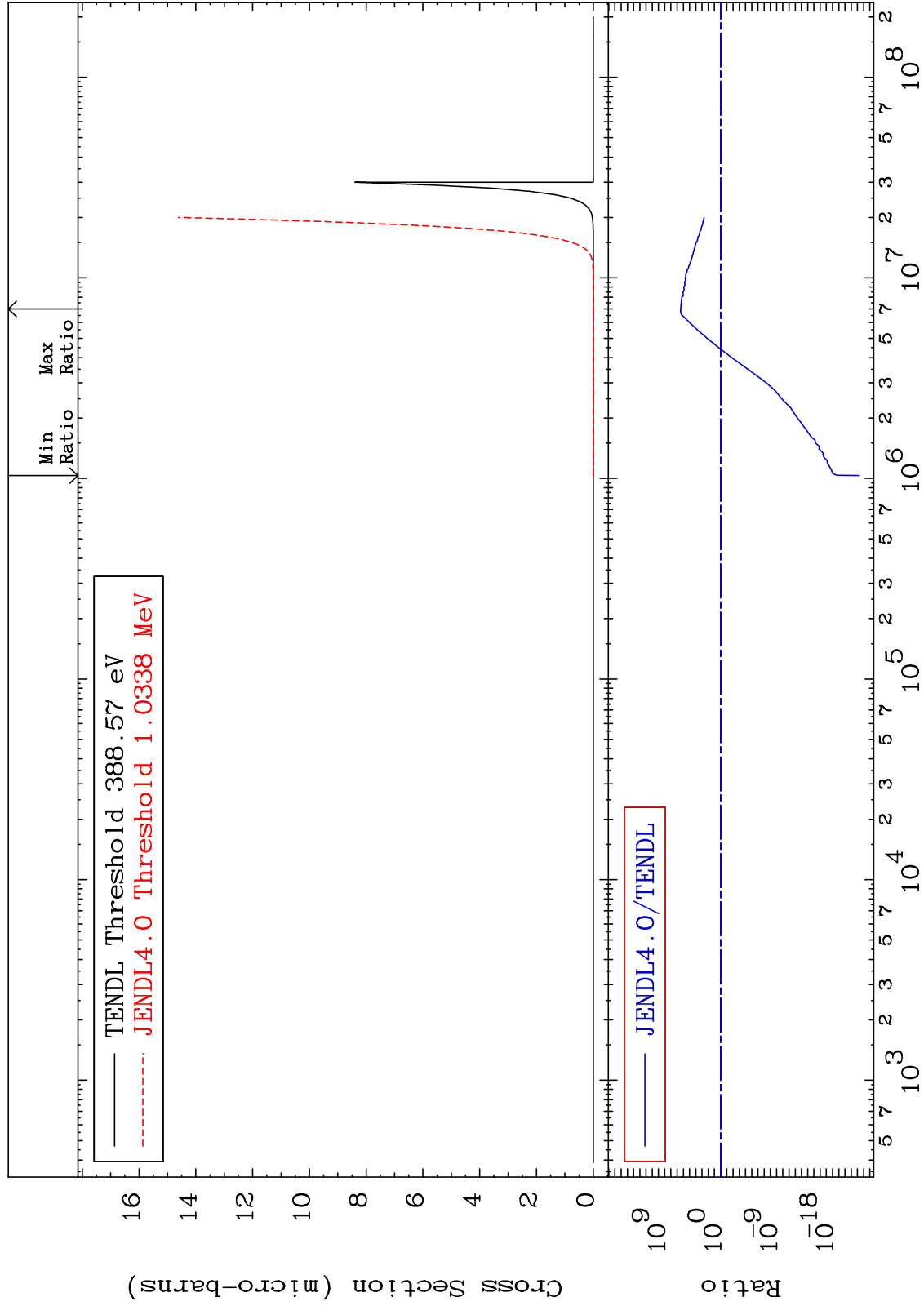
MAT 6619

(n, n') 2α

66-Dy-154

Cross Section

-100.0 To 9999. %



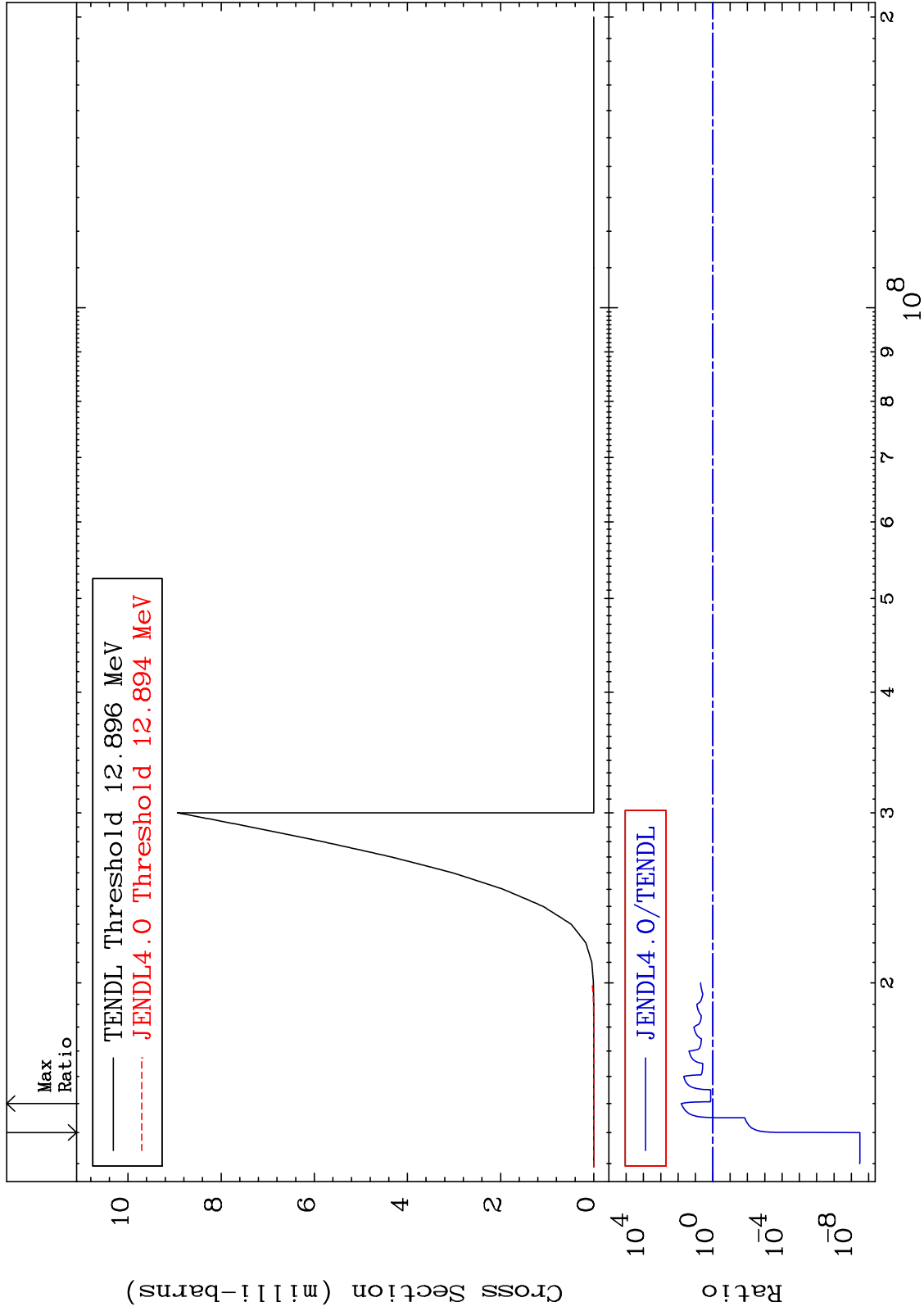
MAT 6619

(n,n') d

66-Dy-154

Cross Section

-100.0 To 6499. %



10

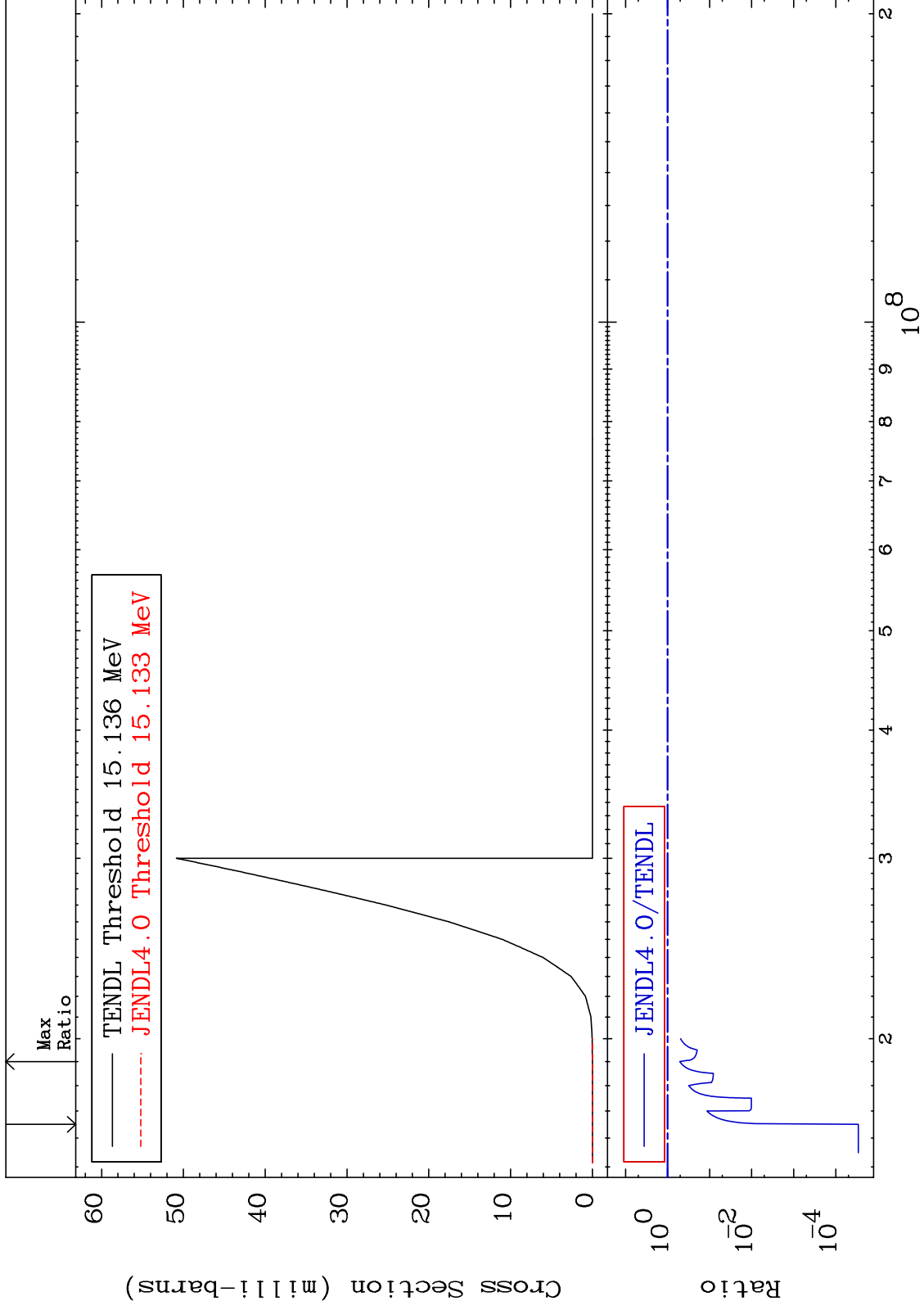
Incident Energy (eV)

66-Dy-154

MAT 6619

(n,2n) p
Cross Section

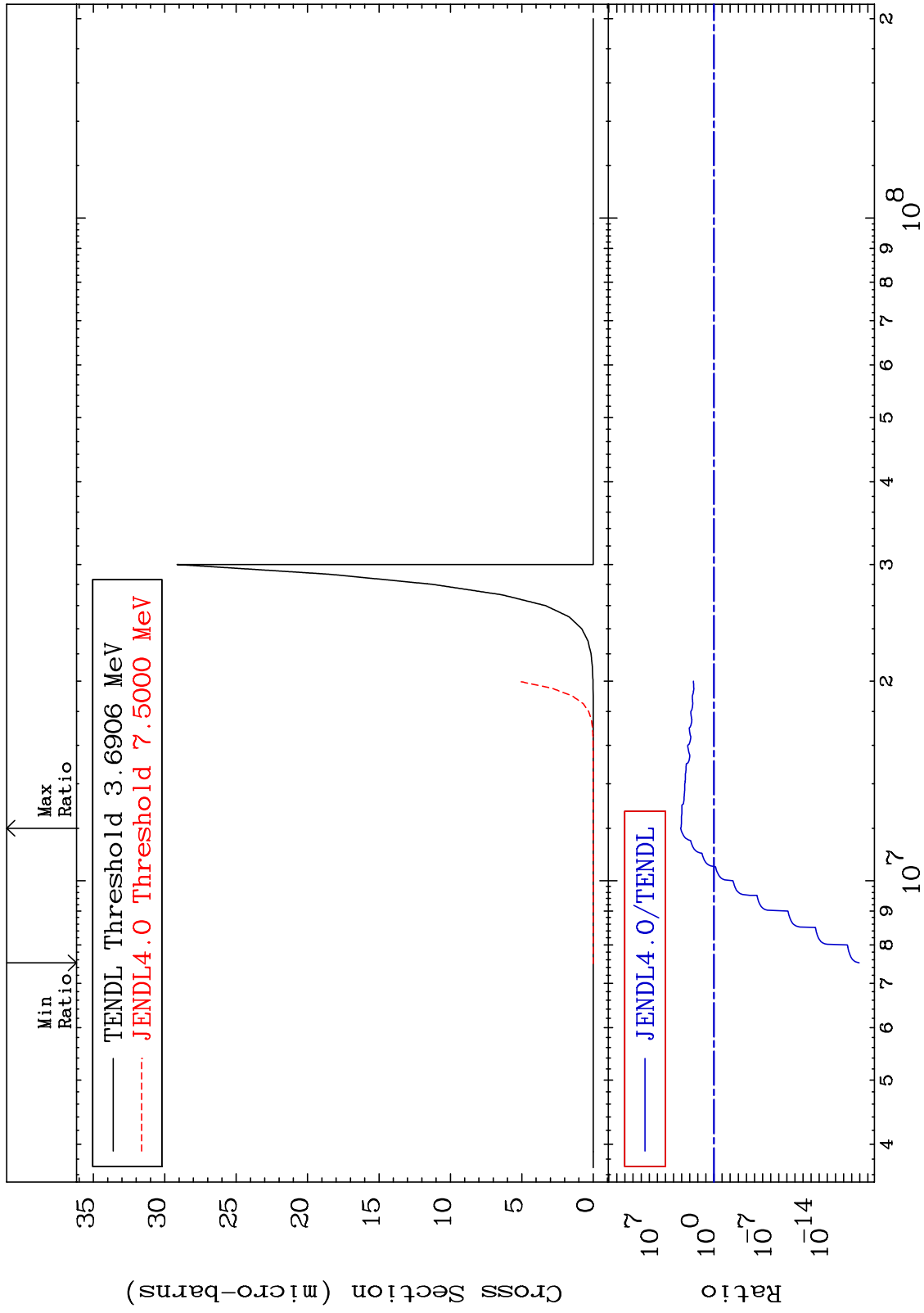
66-Dy-154
-100.0 To -48.76%



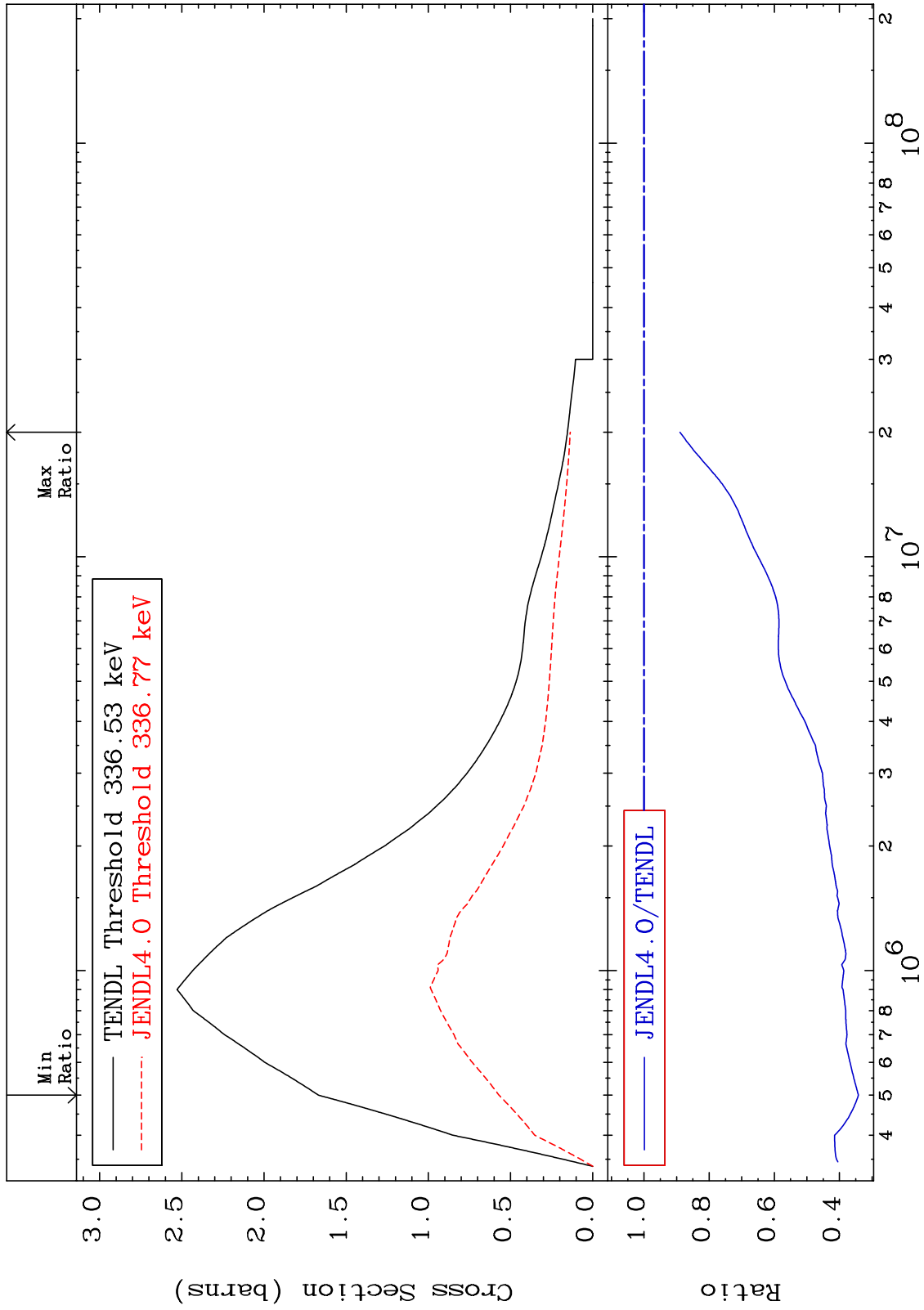
MAT 6619

(n,n') p α
Cross Section

66-Dy-154
-100.0 To 9999. %



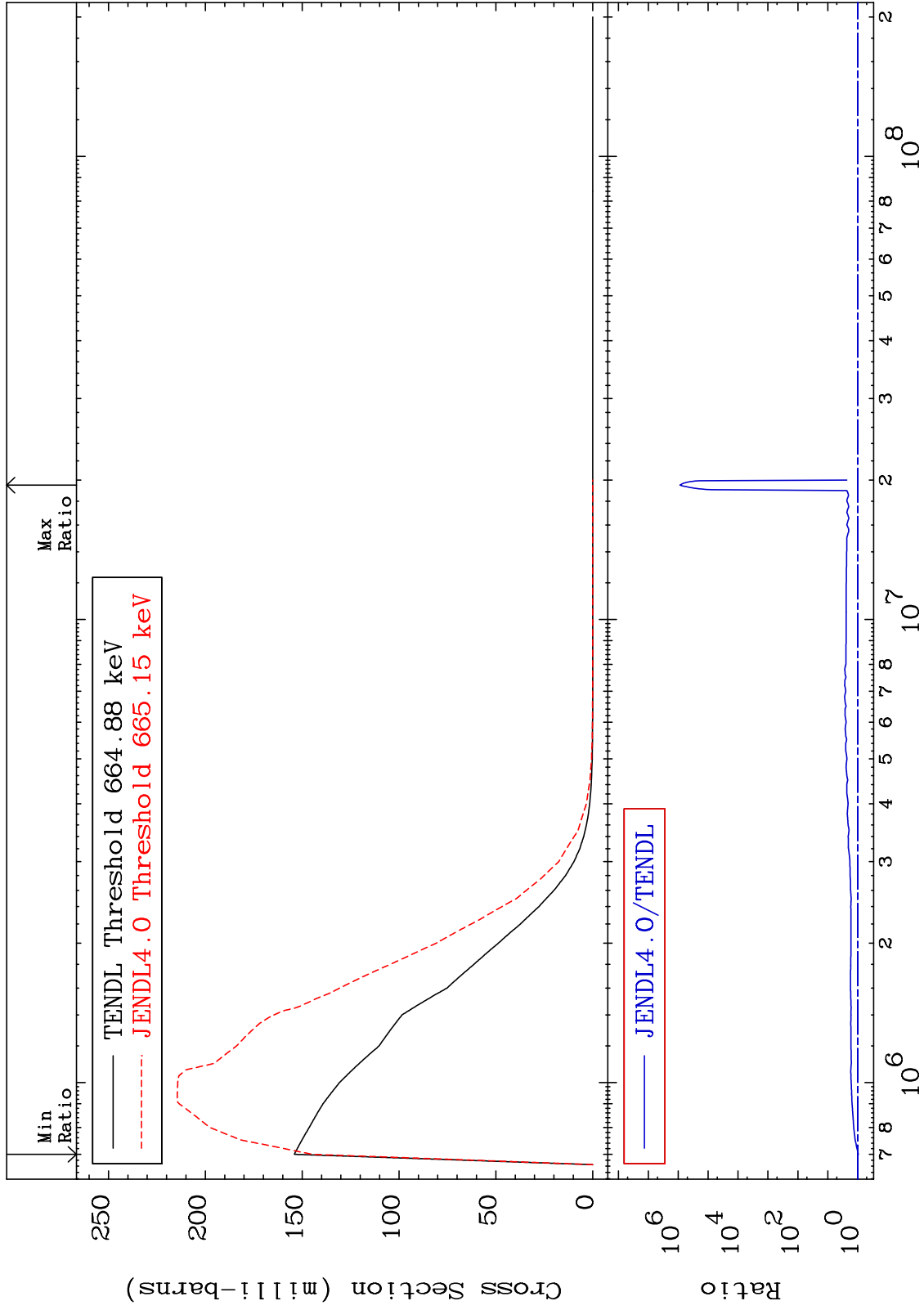
MAT 6619 MT= 51 (n,n') Level 66-Dy-154
 Cross Section -65.83 To -11.06%



MAT 6619

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

66-Dy-154
-5.934 To 9999. %



14

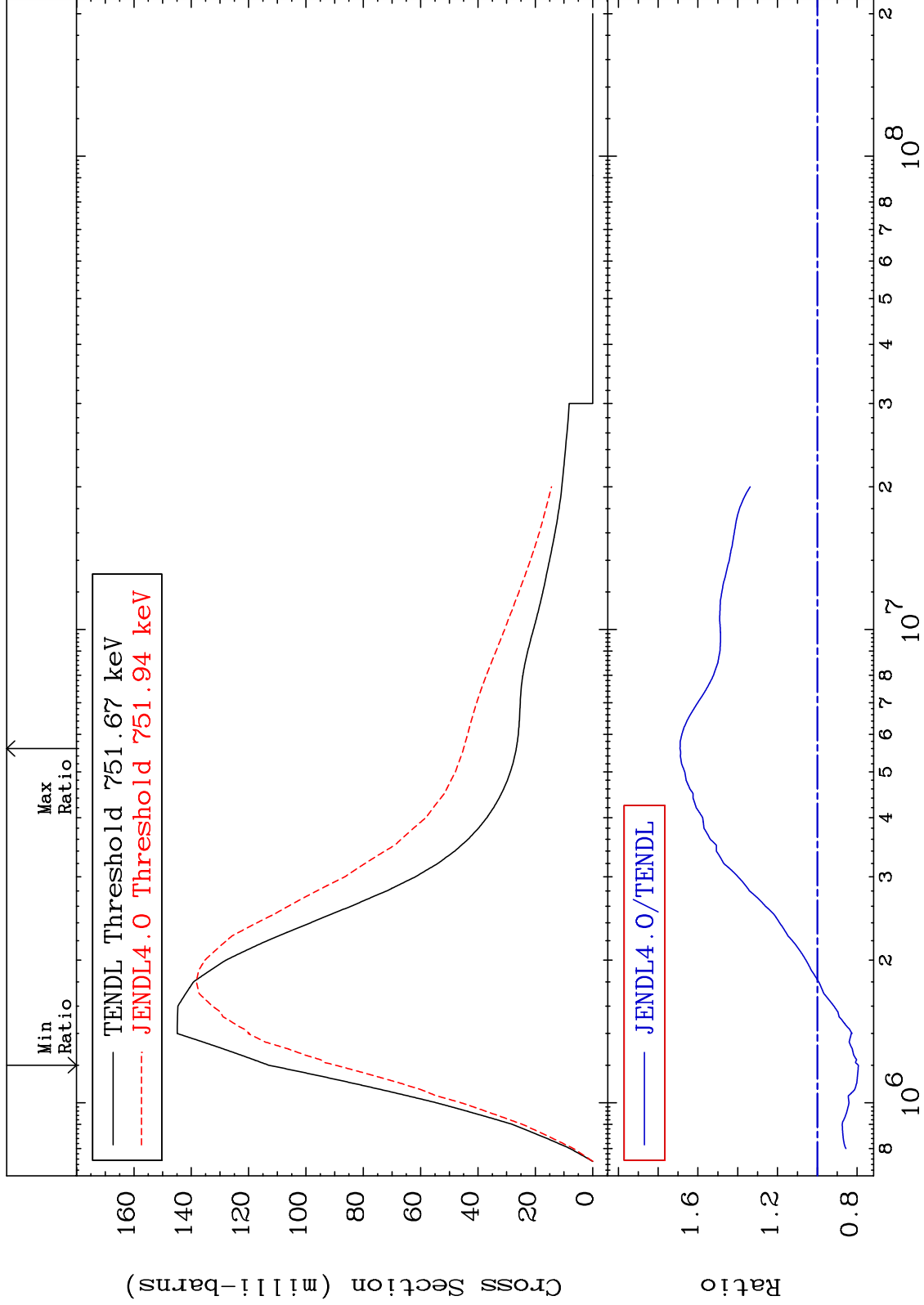
Incident Energy (eV)

66-Dy-154

MAT 6619

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

66-Dy-154
-20.64 To 69.00 %



15

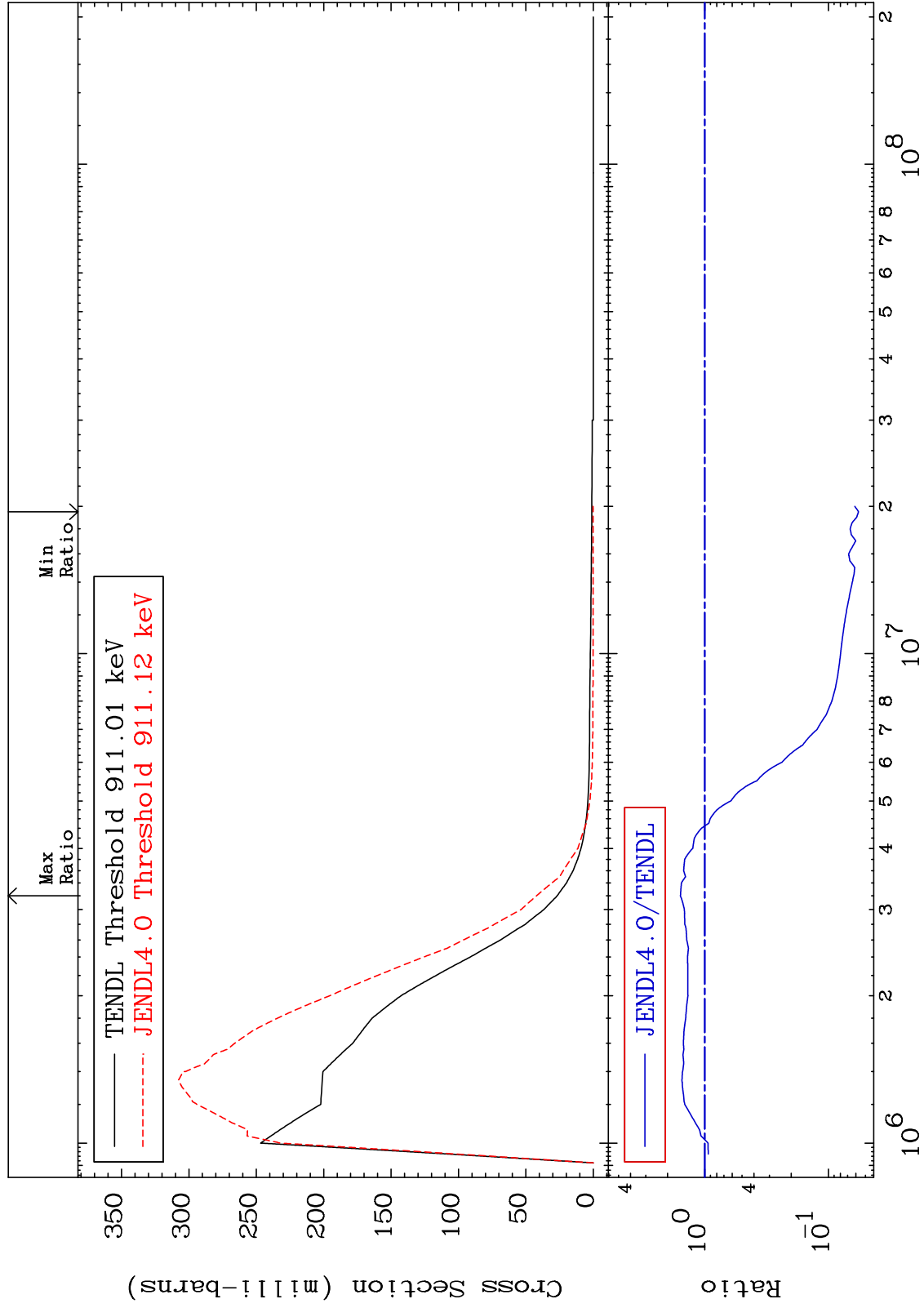
Incident Energy (eV)

66-Dy-154

MAT 6619

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

66-Dy-154
-94.30 To 57.45 %

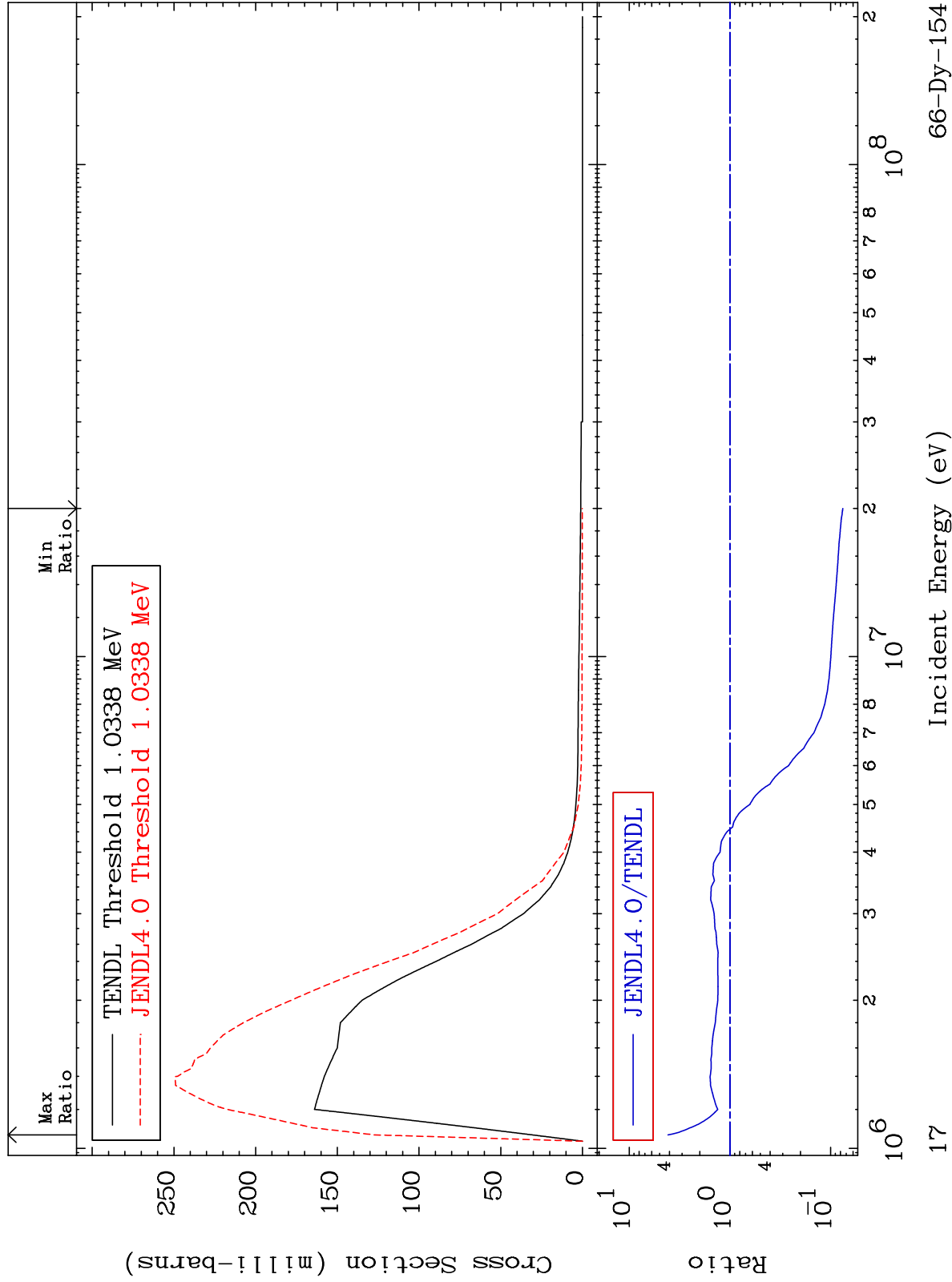


16 10⁶ 10⁷ 10⁸ 66-Dy-154

MAT 6619

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

66-Dy-154
-92.43 To 312.9 %

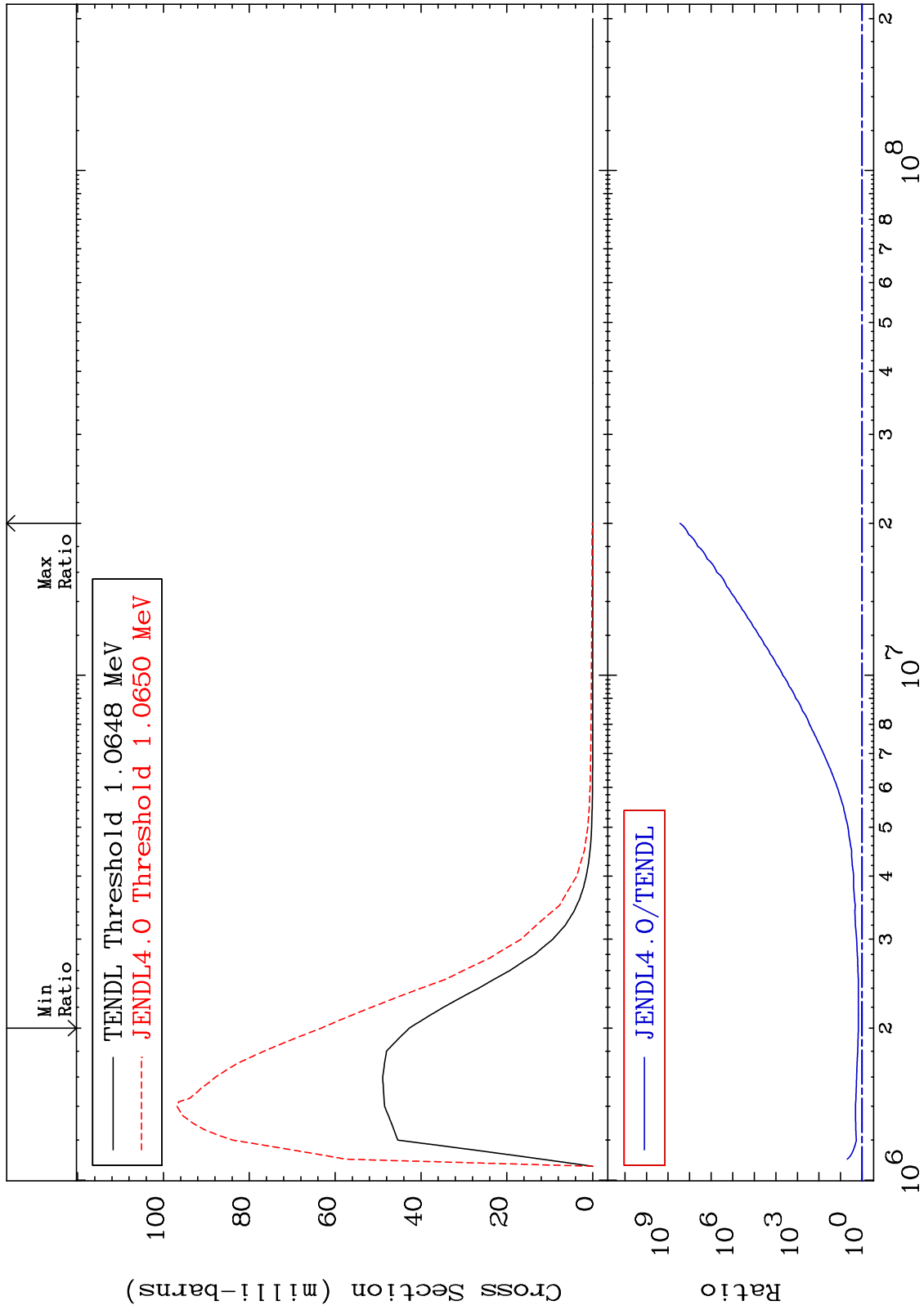


17

Incident Energy (eV)

66-Dy-154

MAT 6619 MT= 56 (n,n') Level Cross Section 66-Dy-154 48.01 To 9999. %

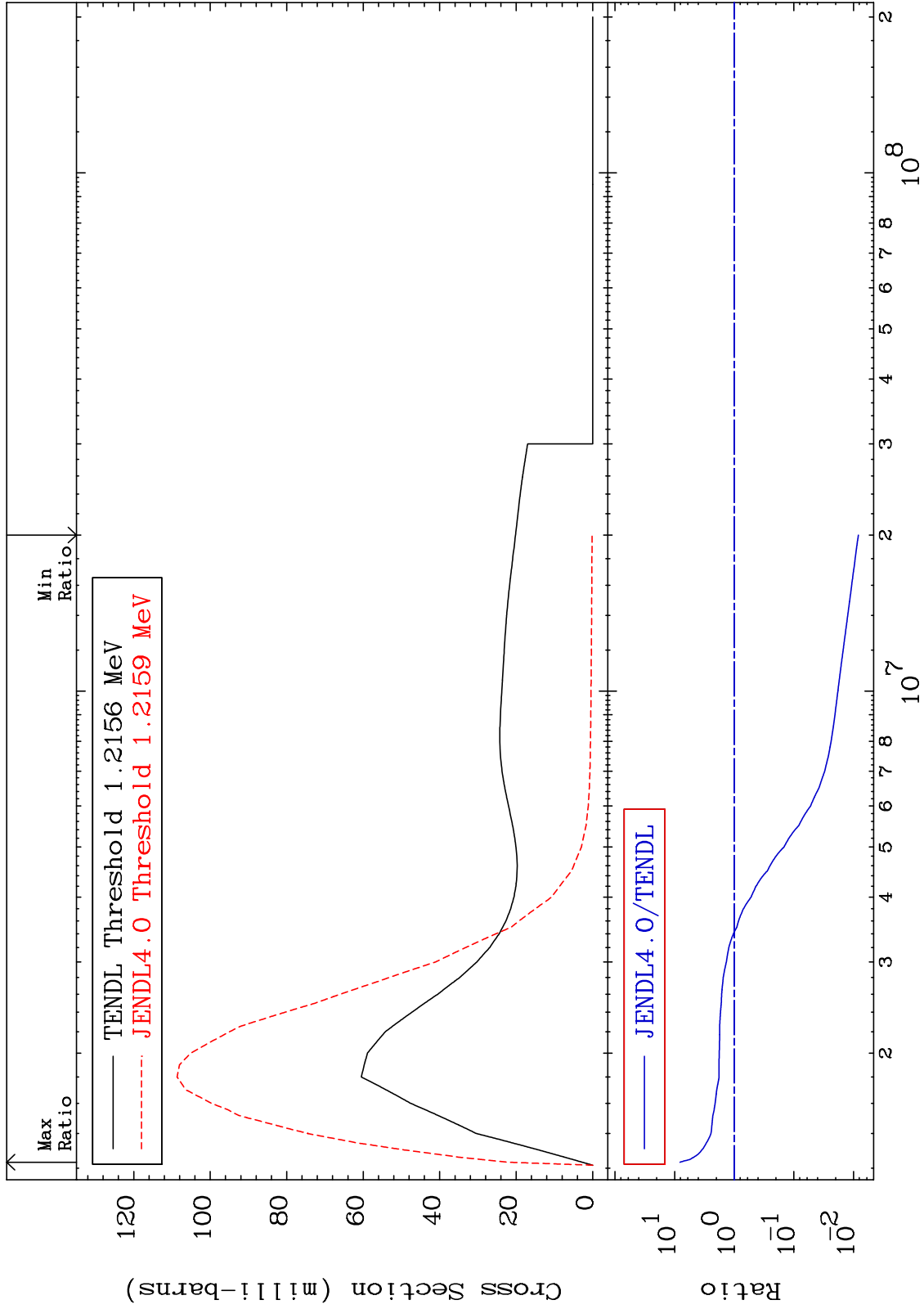


Incident Energy (eV) 66-Dy-154

MAT 6619

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

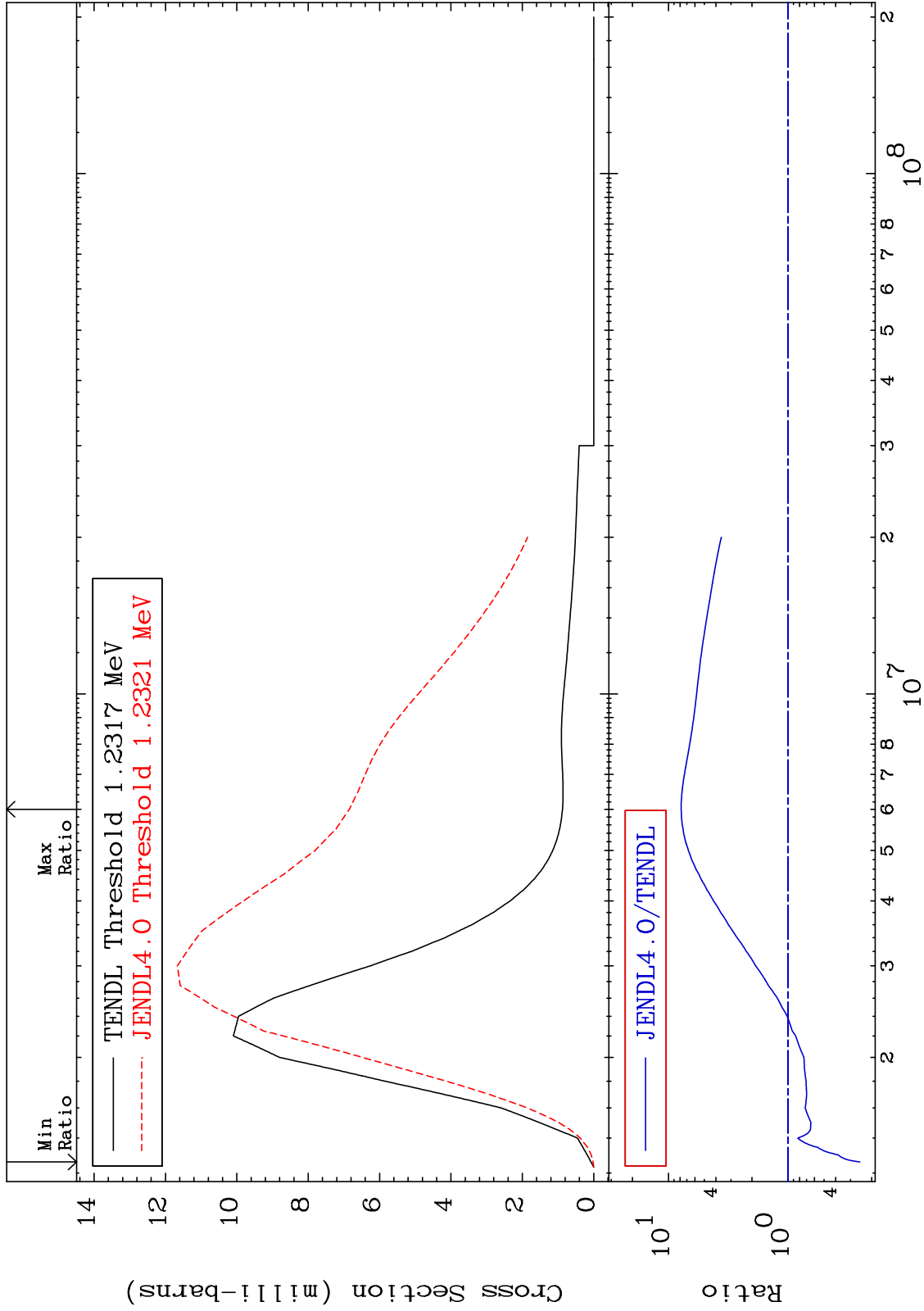
66-Dy-154
-99.17 To 711.9 %



MAT 6619

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

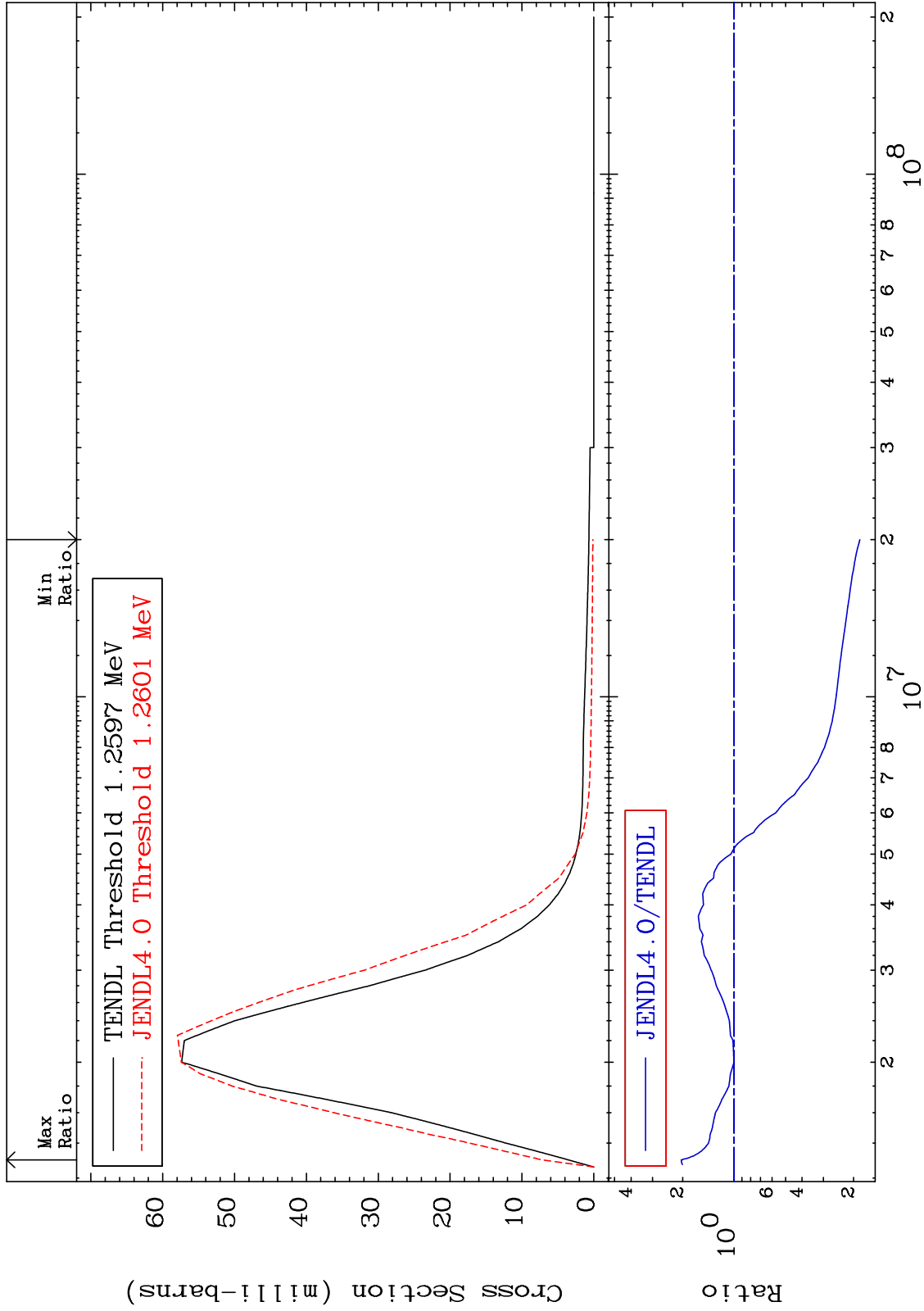
66-Dy-154
-74.97 To 681.0 %



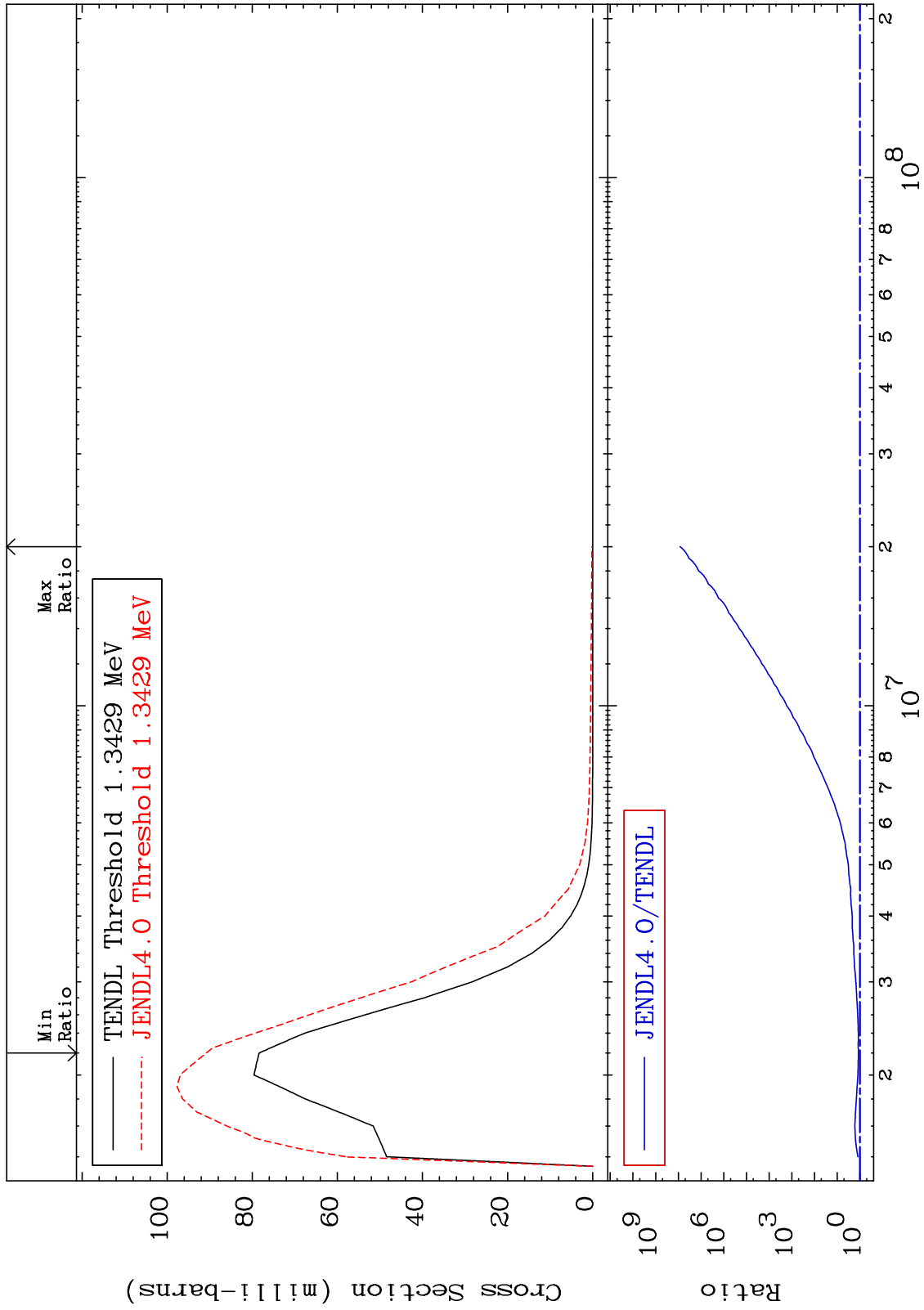
MAT 6619

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

66-Dy-154
-81.66 To 103.7 %



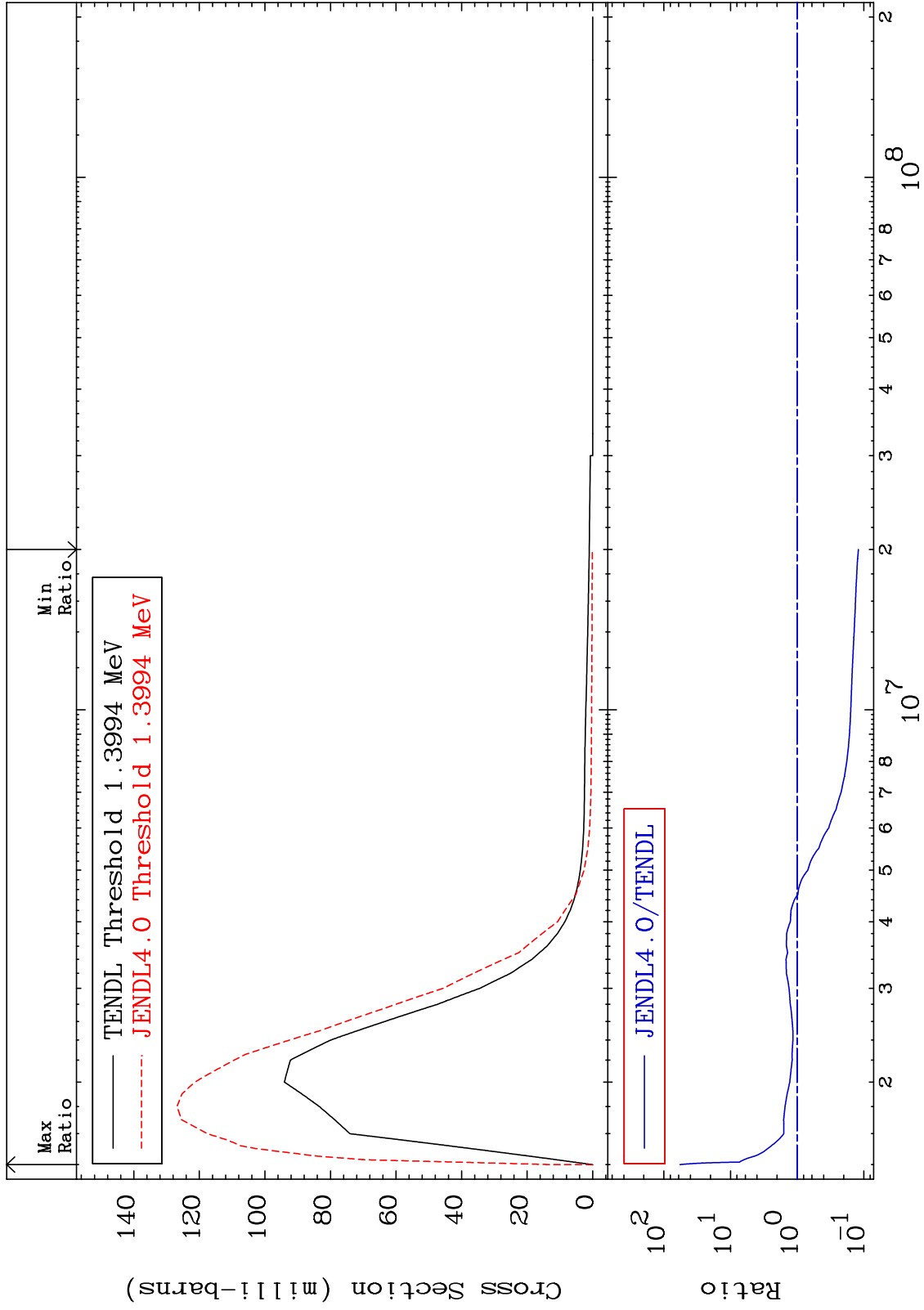
MAT 6619 MT= 60 (n,n') Level Cross Section 66-Dy-154
 15.87 To 9999. %



MAT 6619

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

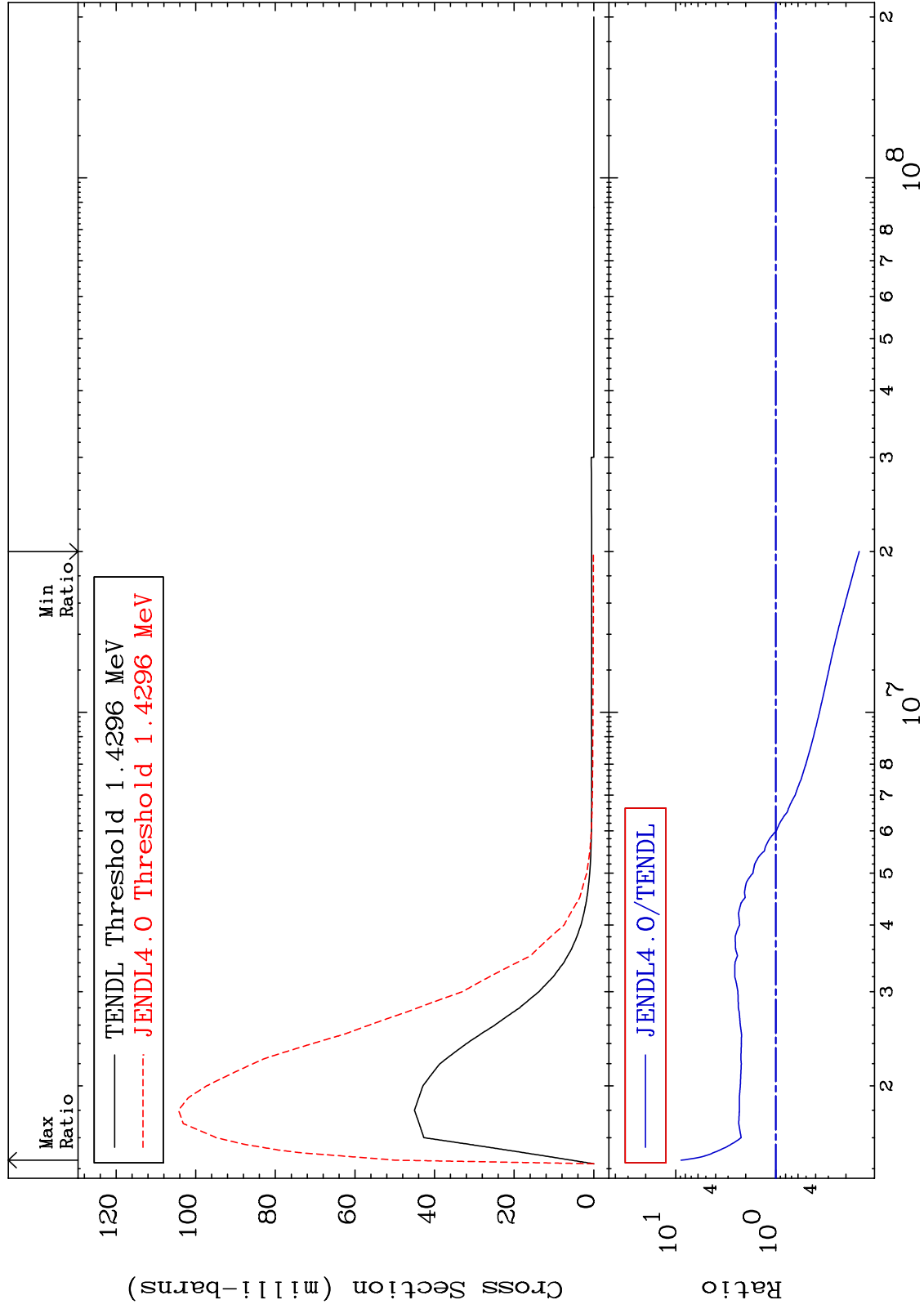
66-Dy-154
-87.98 To 5628. %



MAT 6619

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

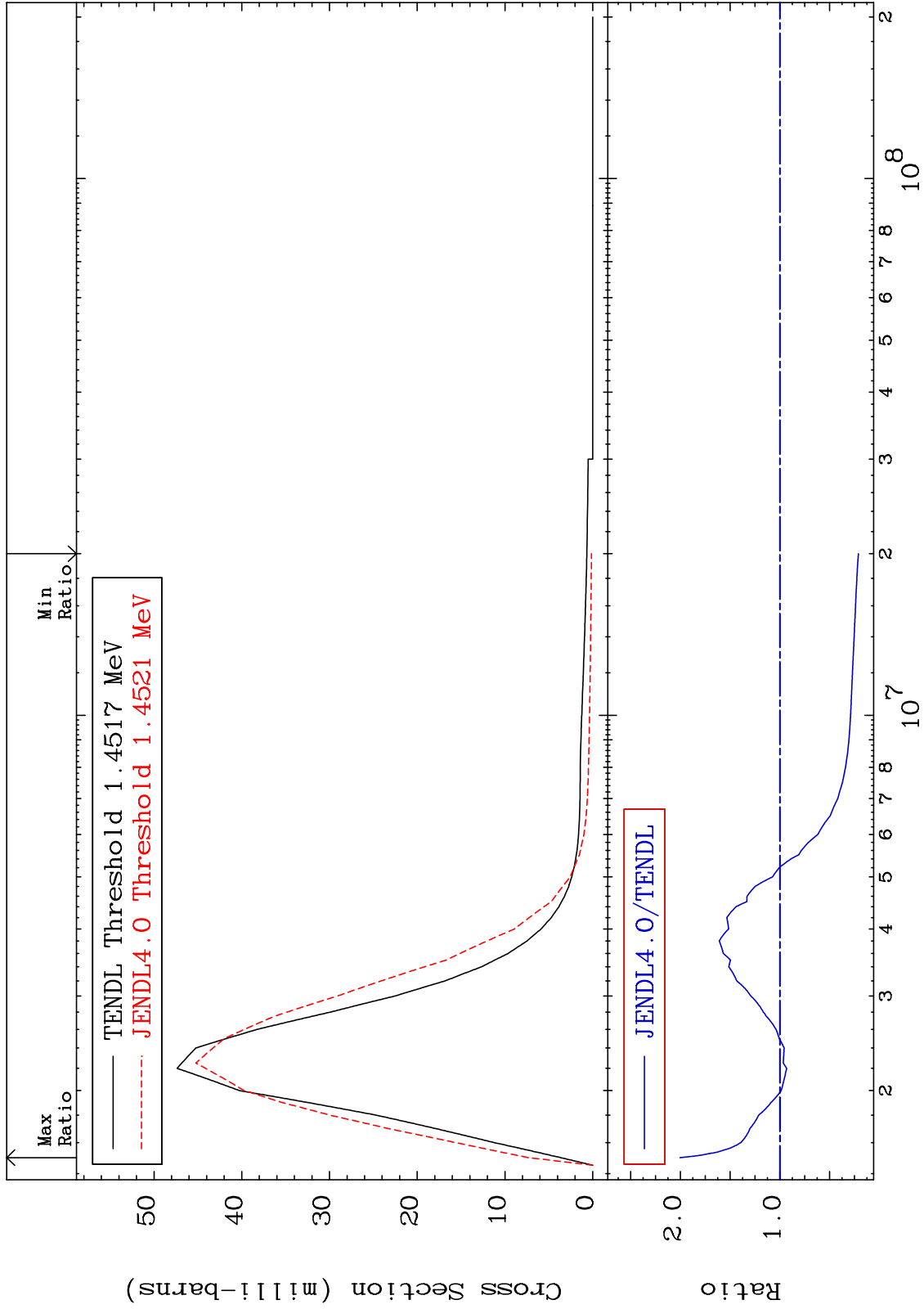
66-Dy-154
-85.32 To 785.1 %



MAT 6619

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

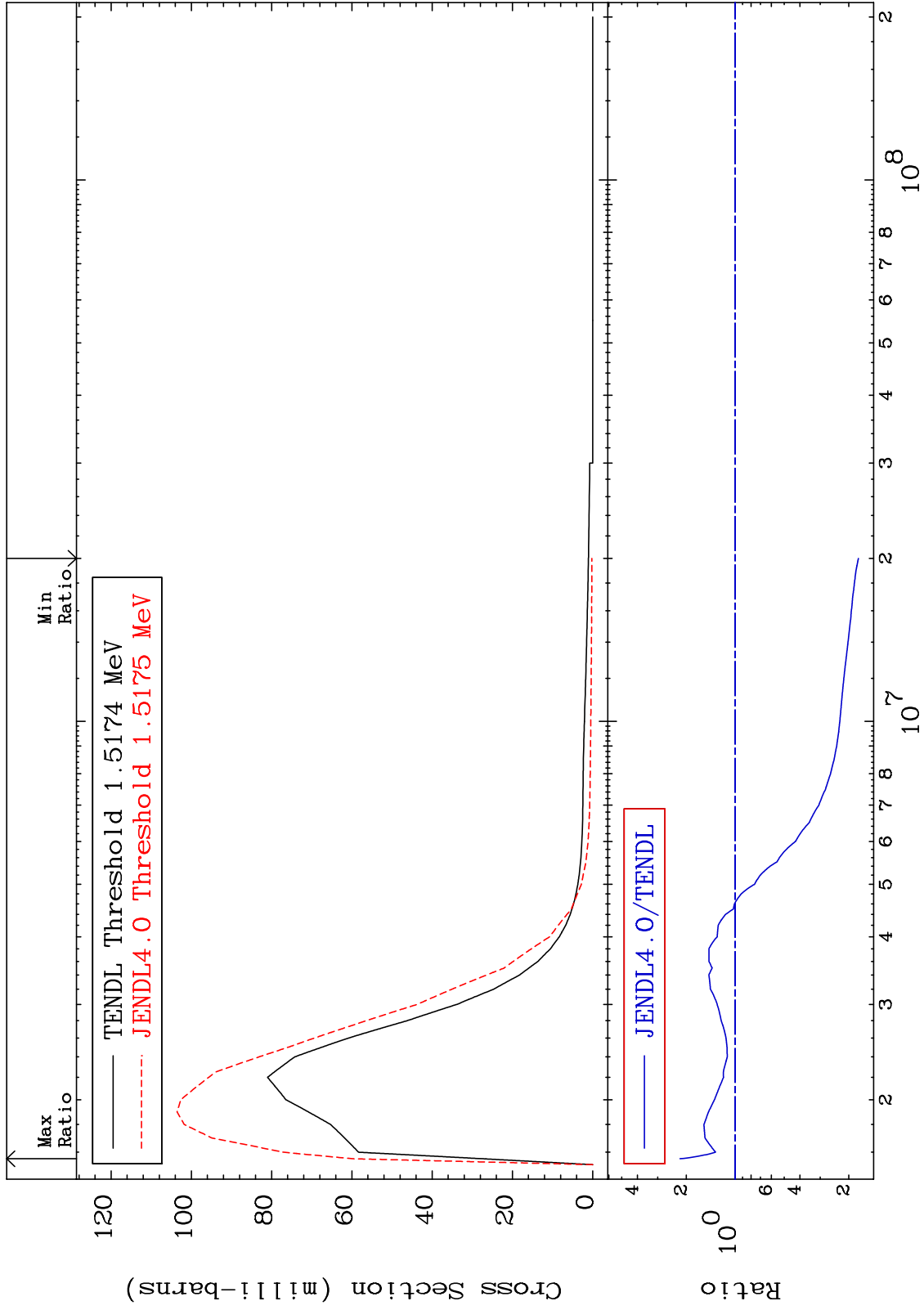
66-Dy-154
-79.02 To 100.4 %



MAT 6619

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

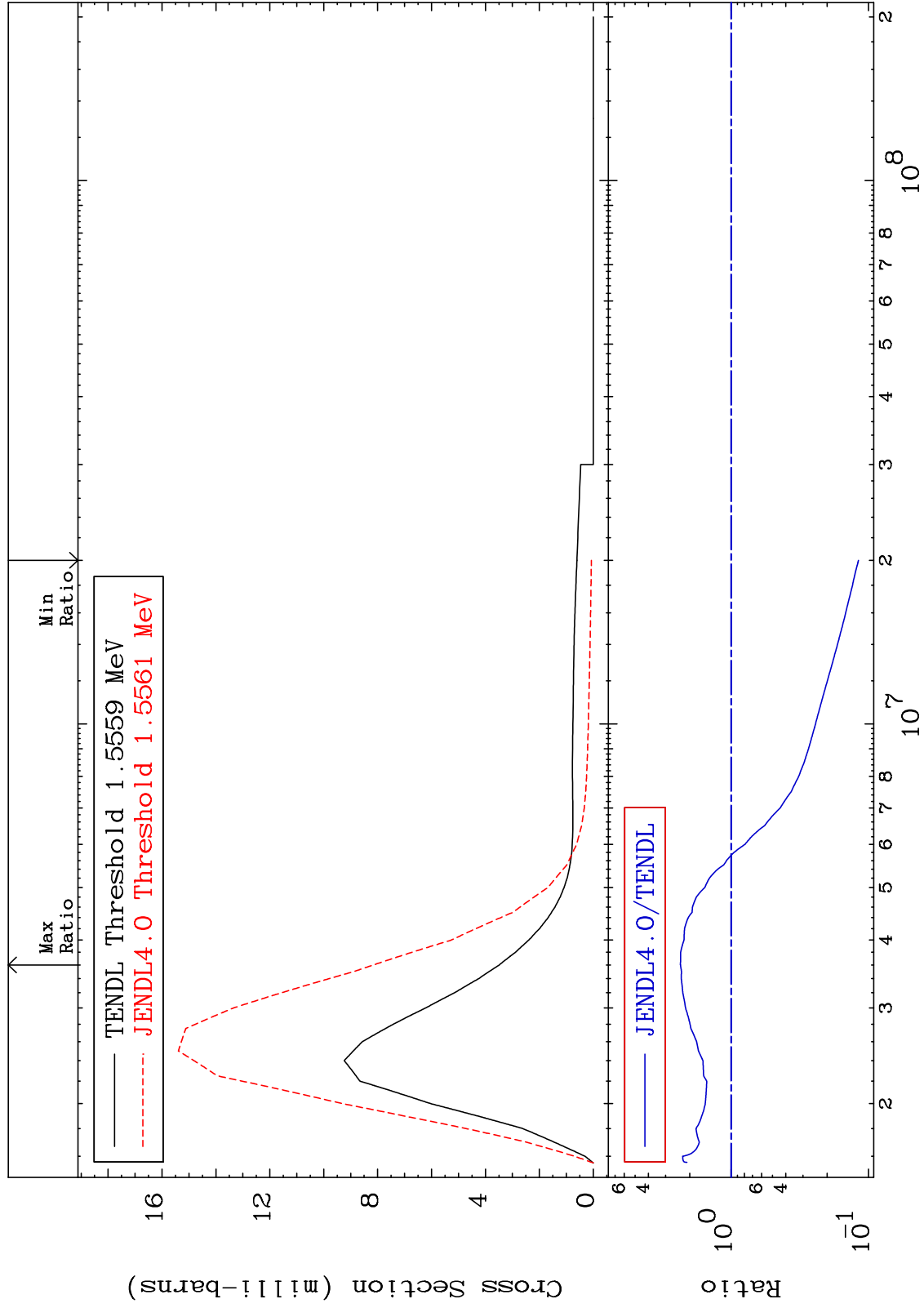
66-Dy-154
-82.56 To 118.7 %



MAT 6619

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

66-Dy-154
-88.17 To 133.7 %



27

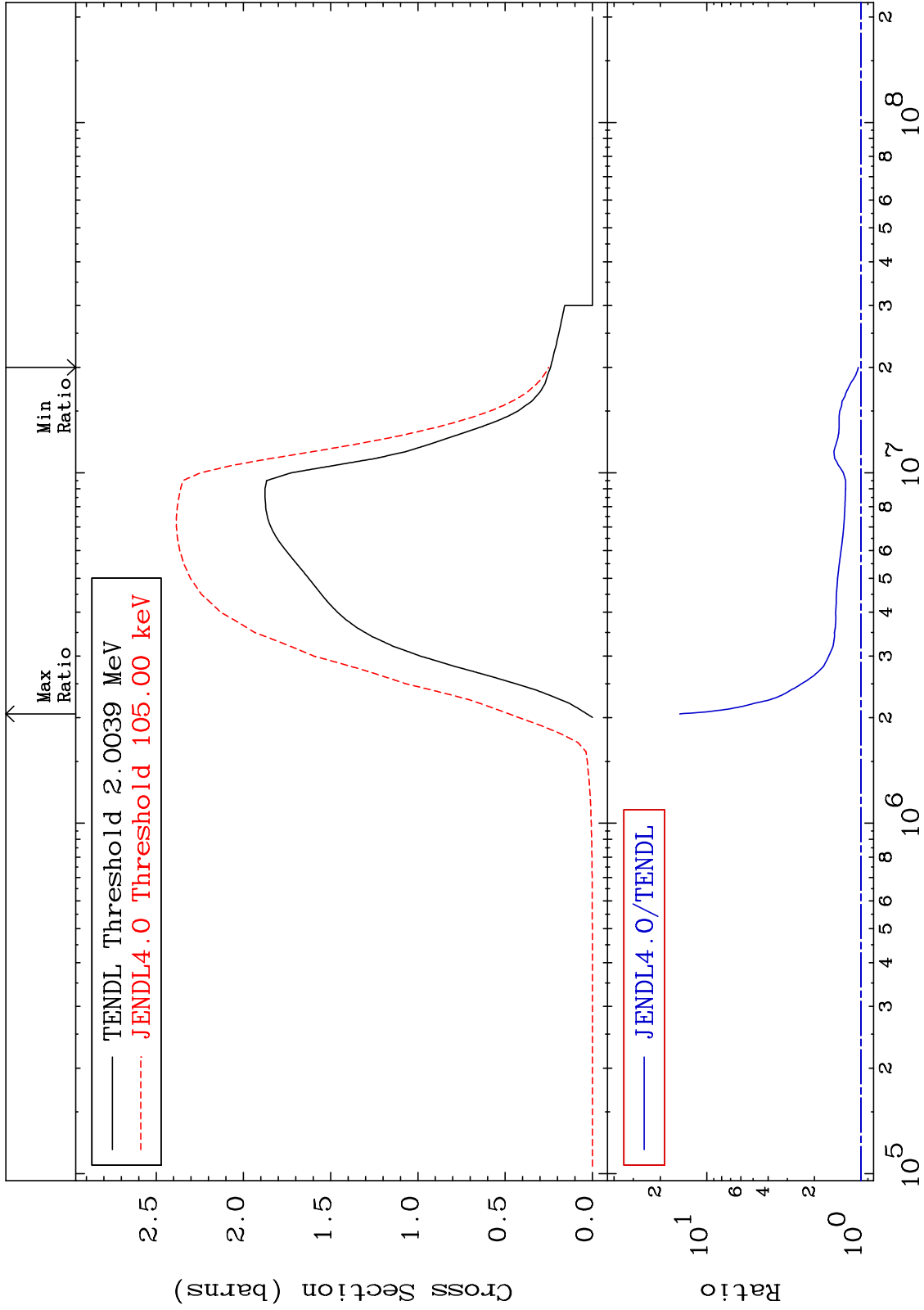
Incident Energy (eV)

66-Dy-154

MAT 6619

(n, n') Continuum
Cross Section

66-Dy-154
3.919 To 1396. %



Incident Energy (eV)

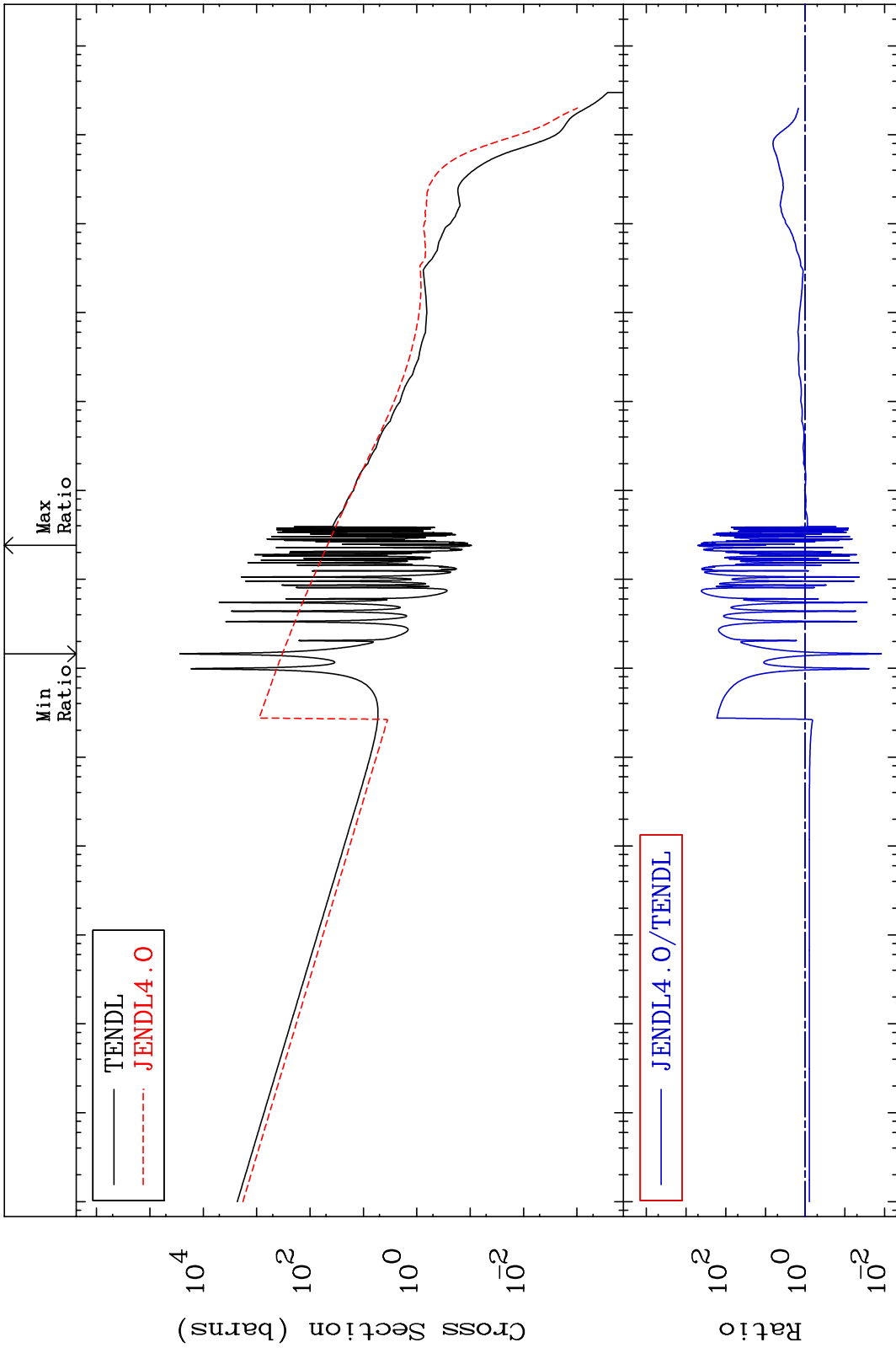
66-Dy-154

28

MAT 6619

(n, γ)
Cross Section

66-Dy-154
-98.80 To 9999. %



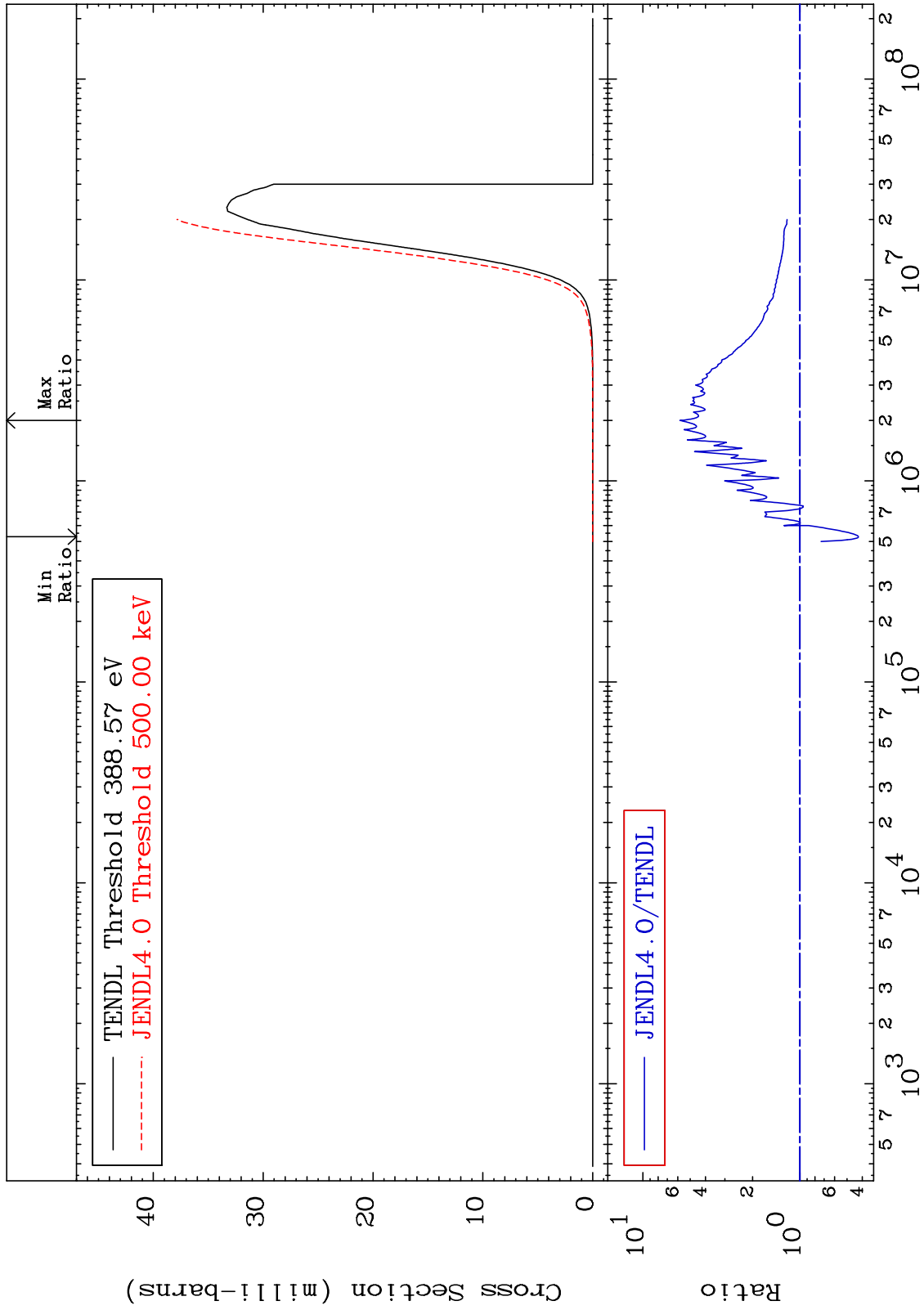
MAT 6619

(n, p)

66-Dy-154

Cross Section

-57.67 To 480.3 %



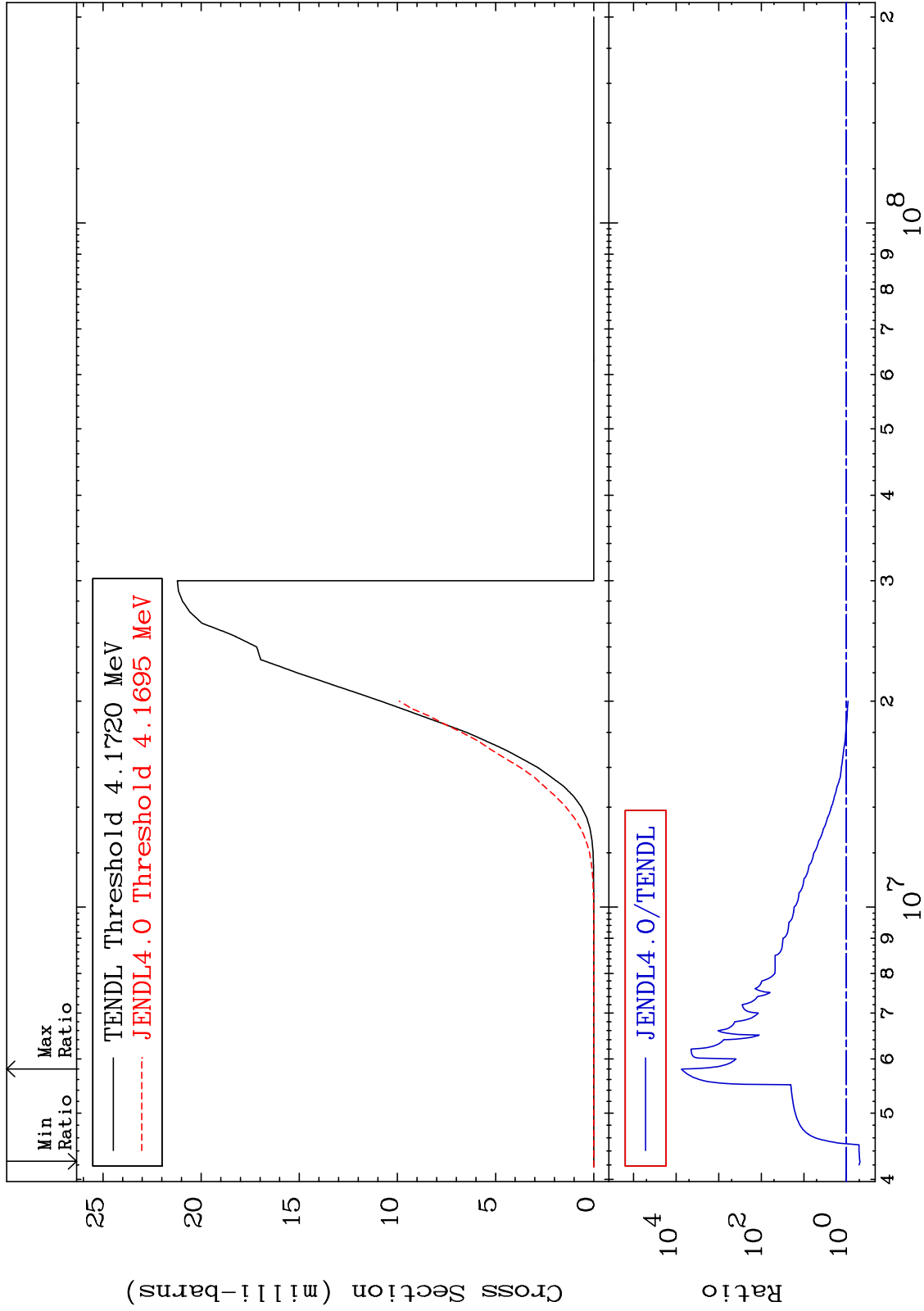
MAT 6619

(n, d)

66-Dy-154

Cross Section

-51.91 To 9999. %



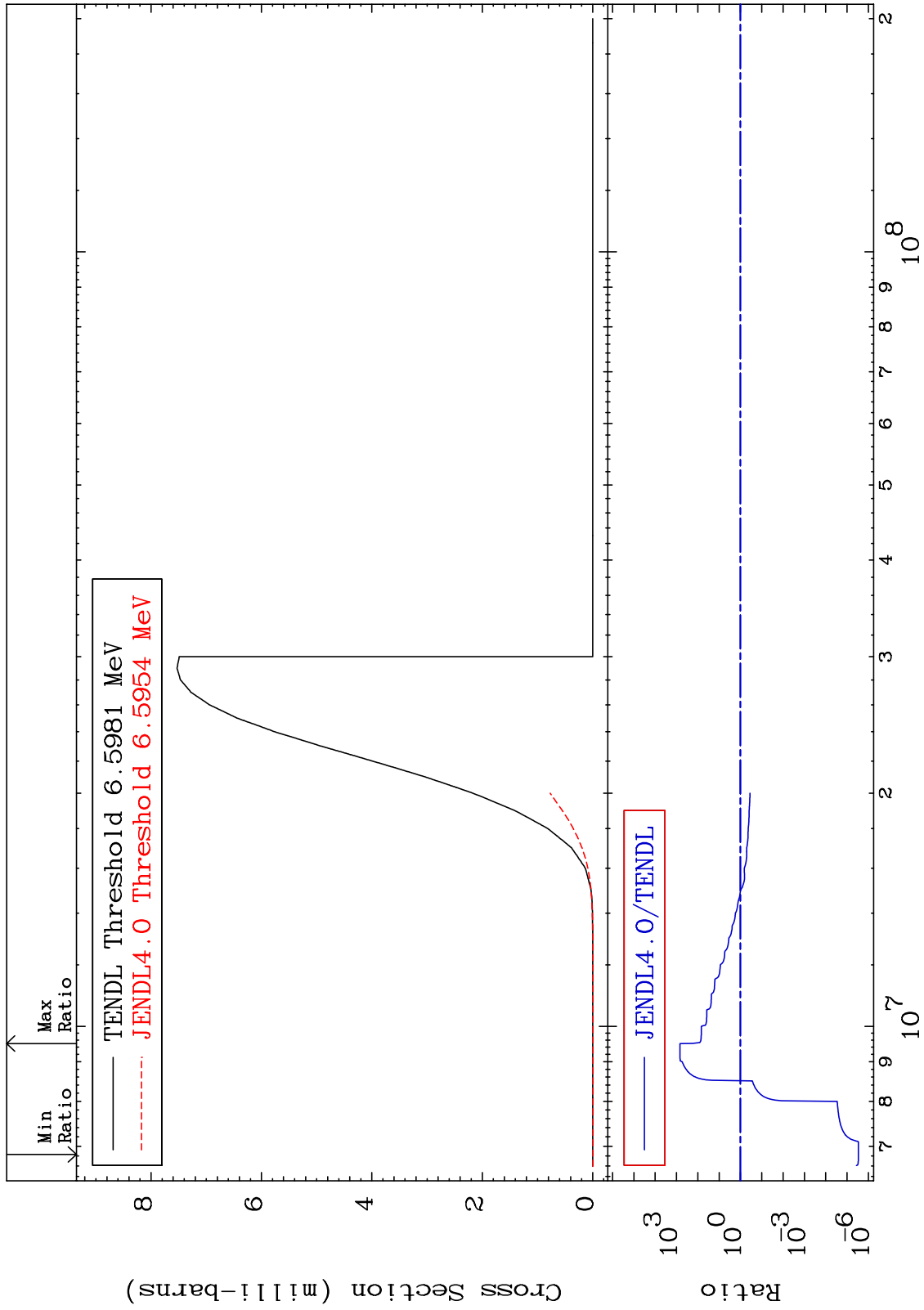
MAT 6619

(n, t)

66-Dy-154

Cross Section

-100.0 To 9999. %



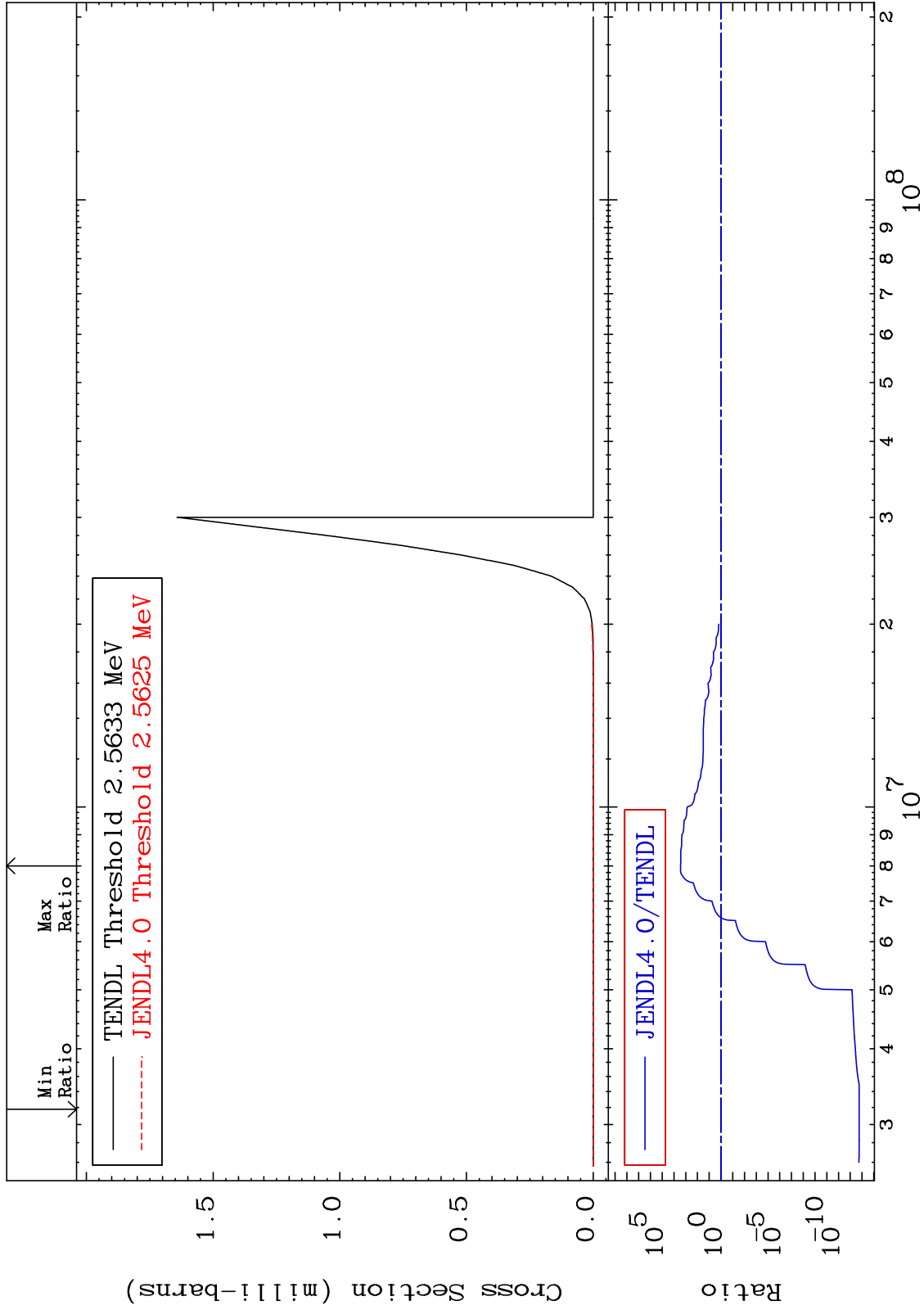
MAT 6619

(n, He-3)

66-Dy-154

Cross Section

-100.0 To 9999. %



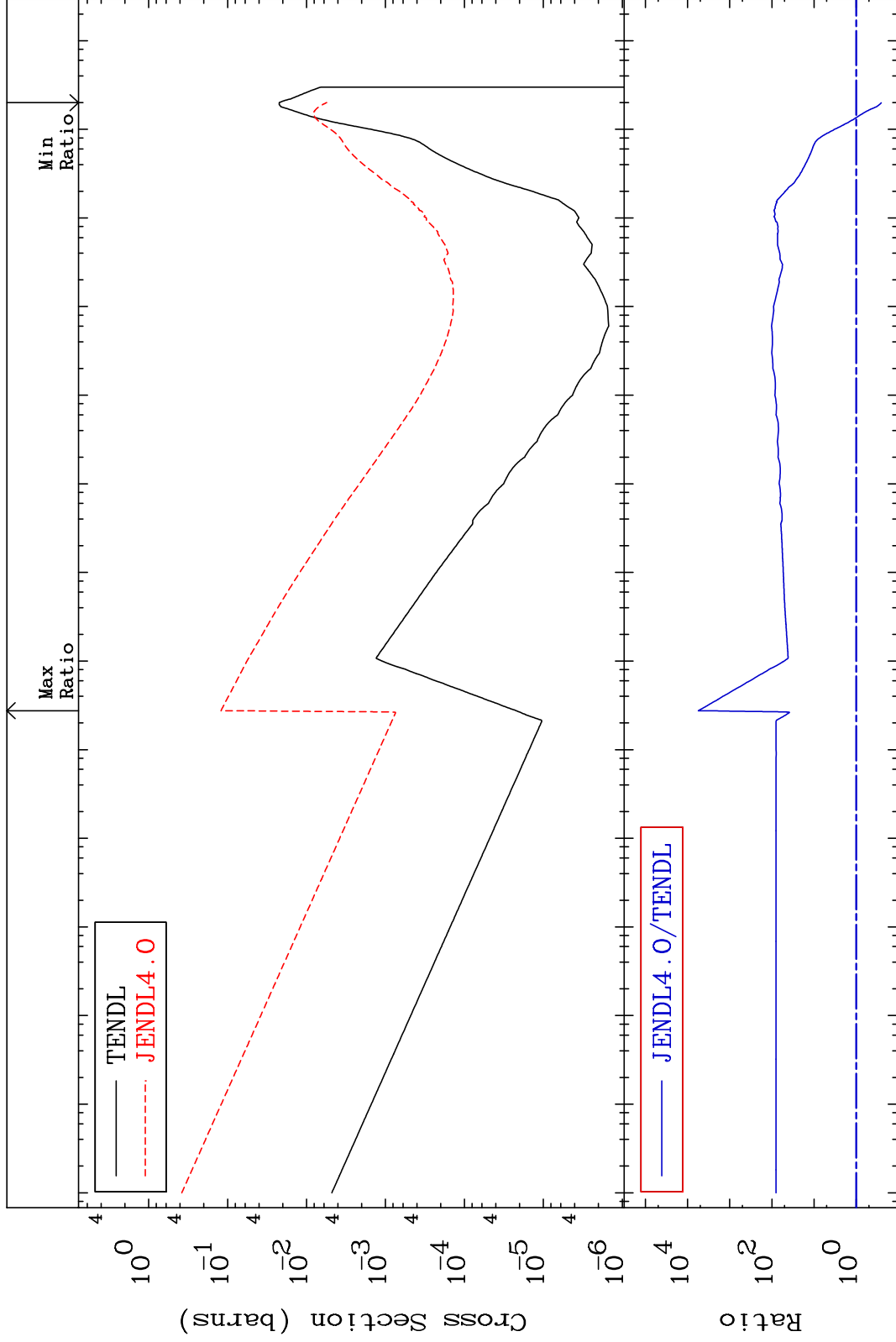
MAT 6619

(n, α)

66-Dy-154

-74.97 To 9999. %

Cross Section



Incident Energy (eV)

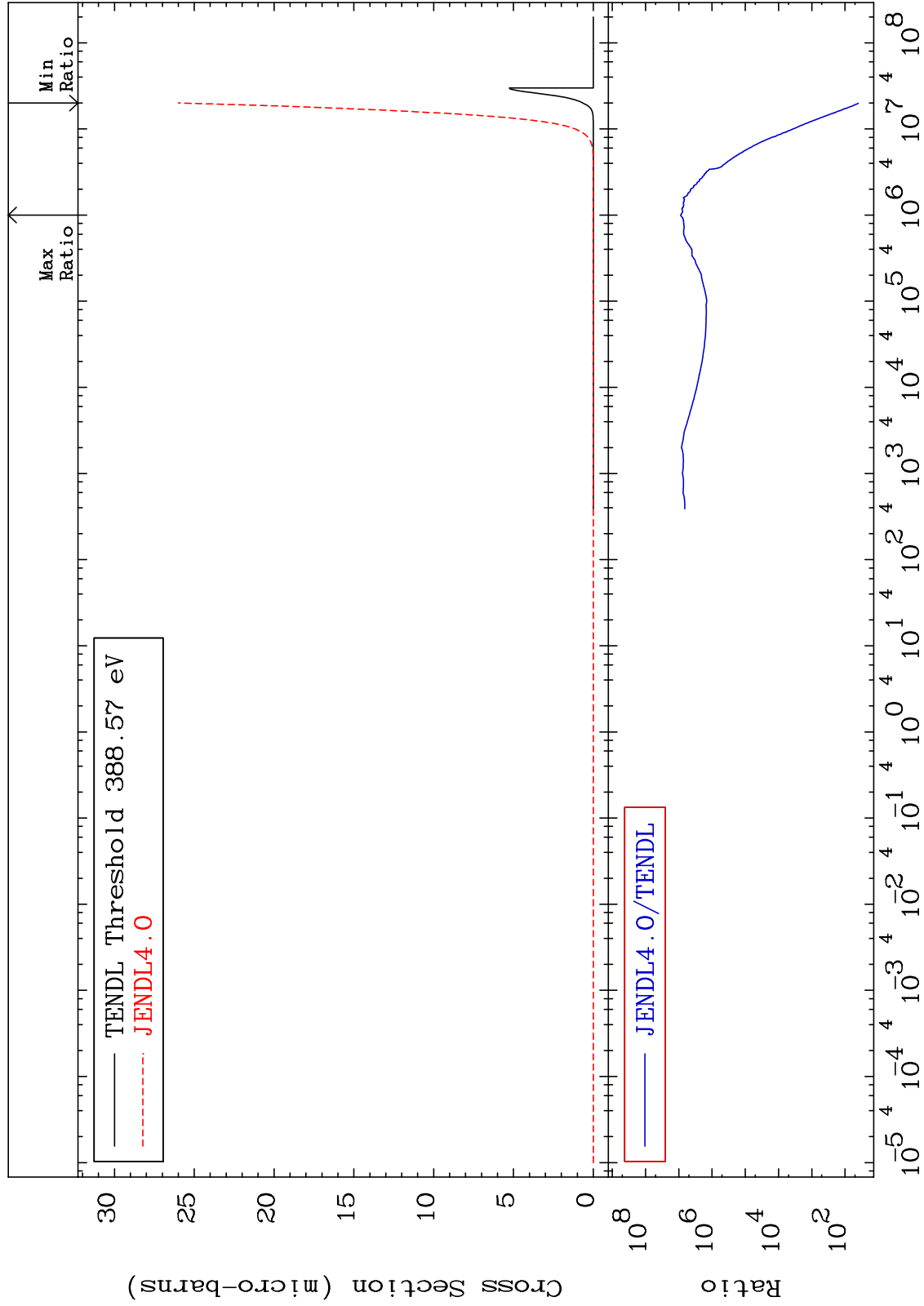
MAT 6619

(n,2α)

66-Dy-154

Cross Section

3829. To 9999. %

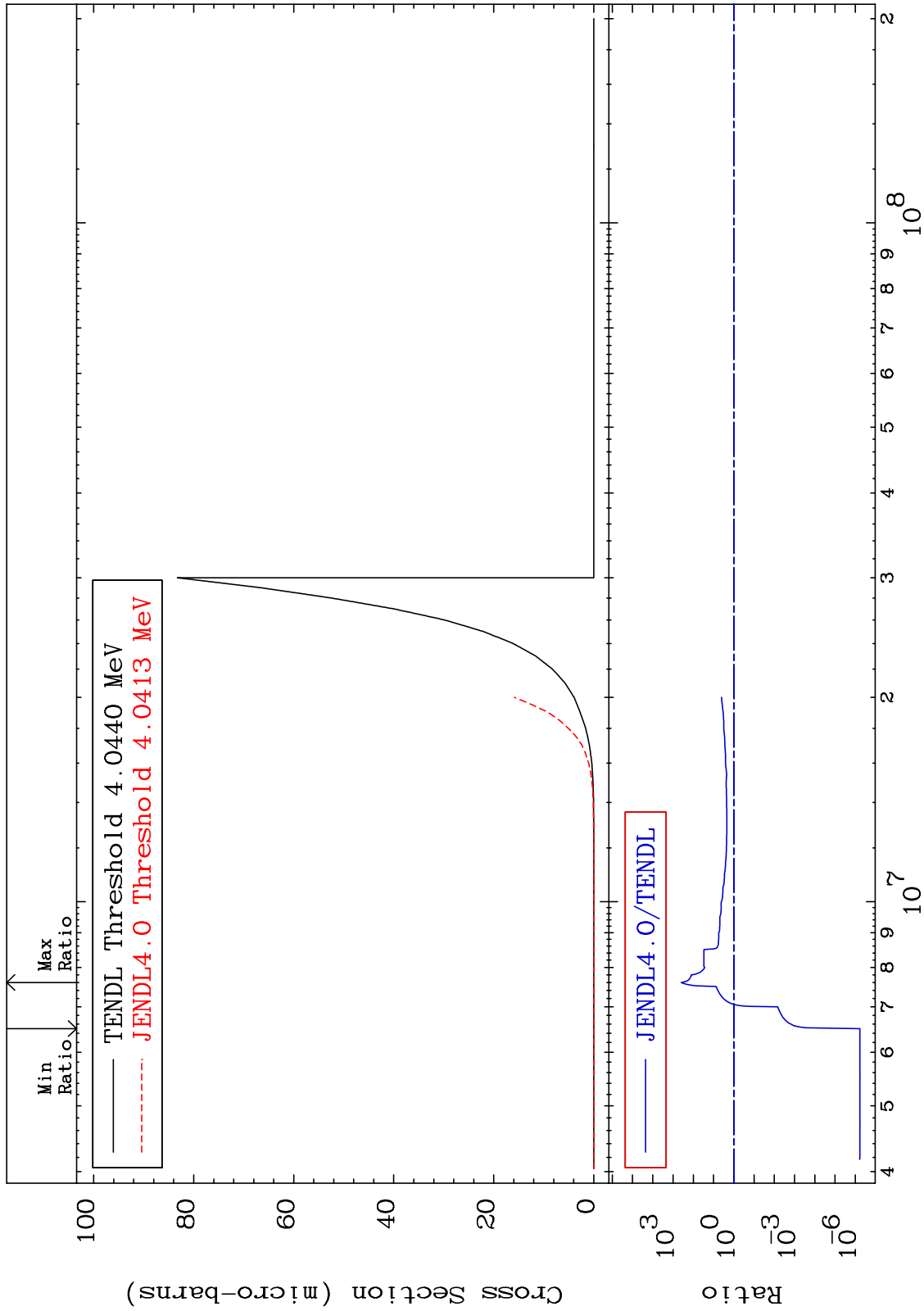


35

Incident Energy (eV)

66-Dy-154

MAT 6619 (n,2p) Cross Section 66-Dy-154 -100.0 To 9999. %



Incident Energy (eV) 66-Dy-154

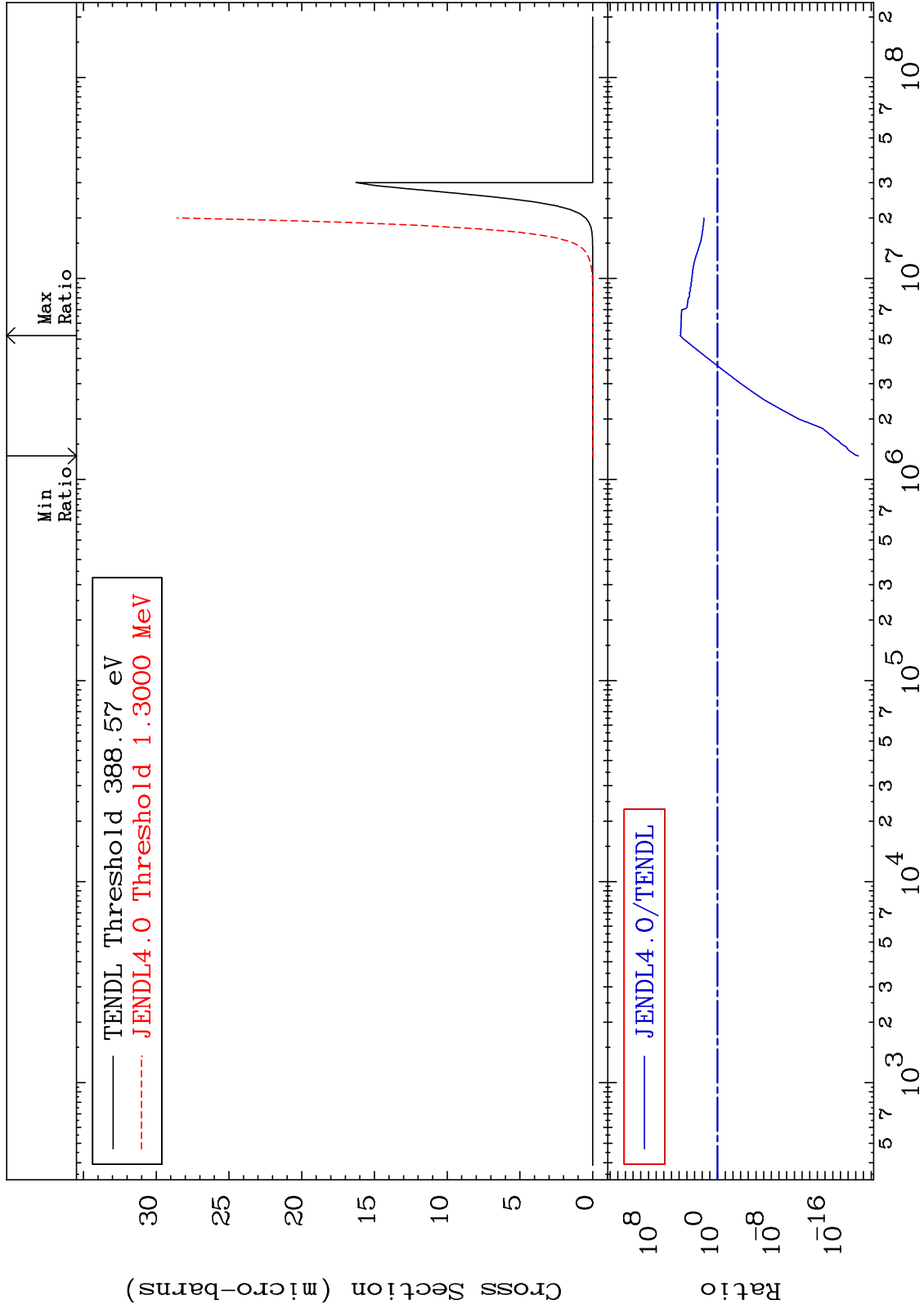
MAT 6619

(n,p) α

66-Dy-154

Cross Section

-100.0 To 9999. %



37

Incident Energy (eV)

66-Dy-154

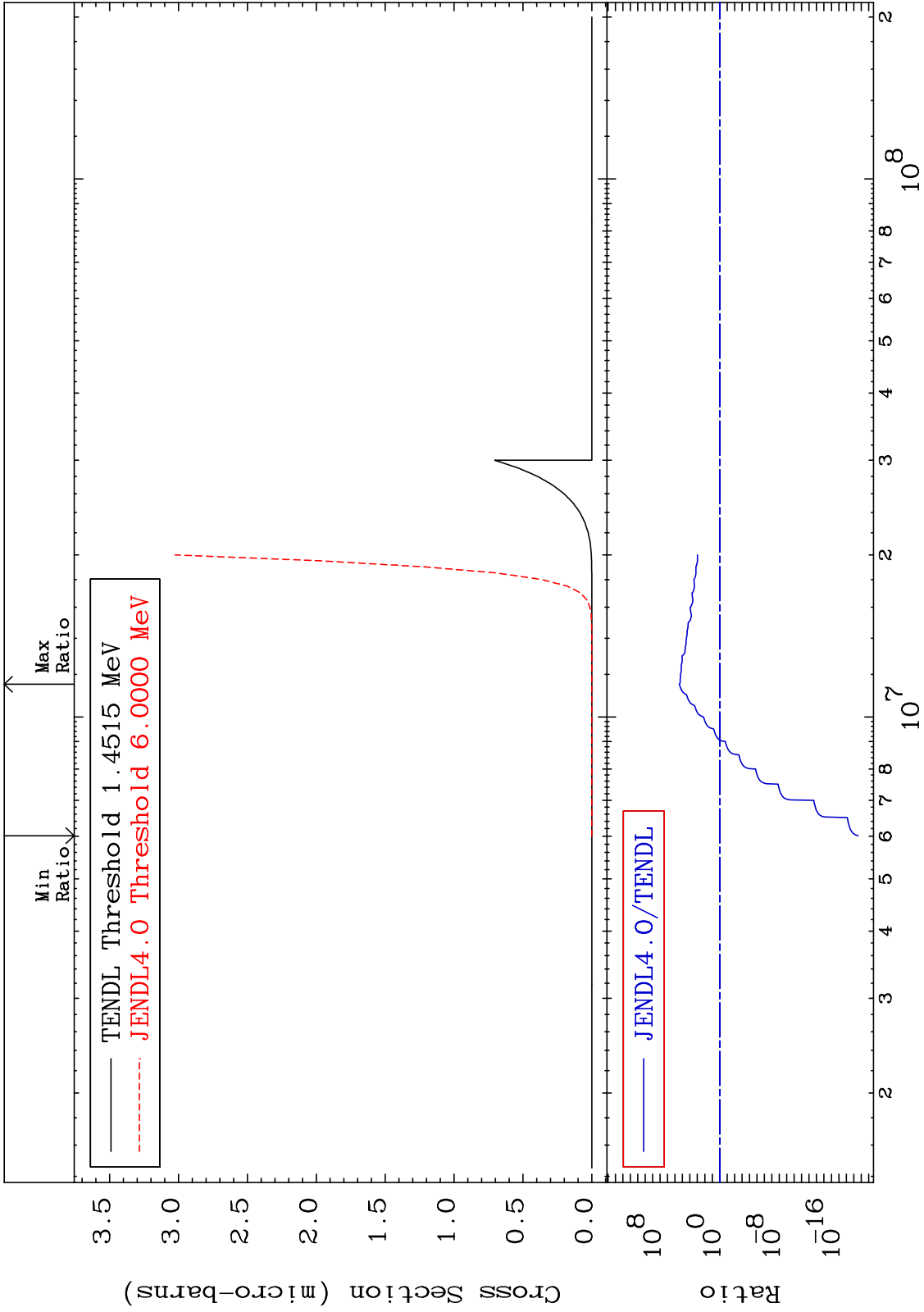
MAT 6619

(n,d) α

66-Dy-154

-100.0 To 9999. %

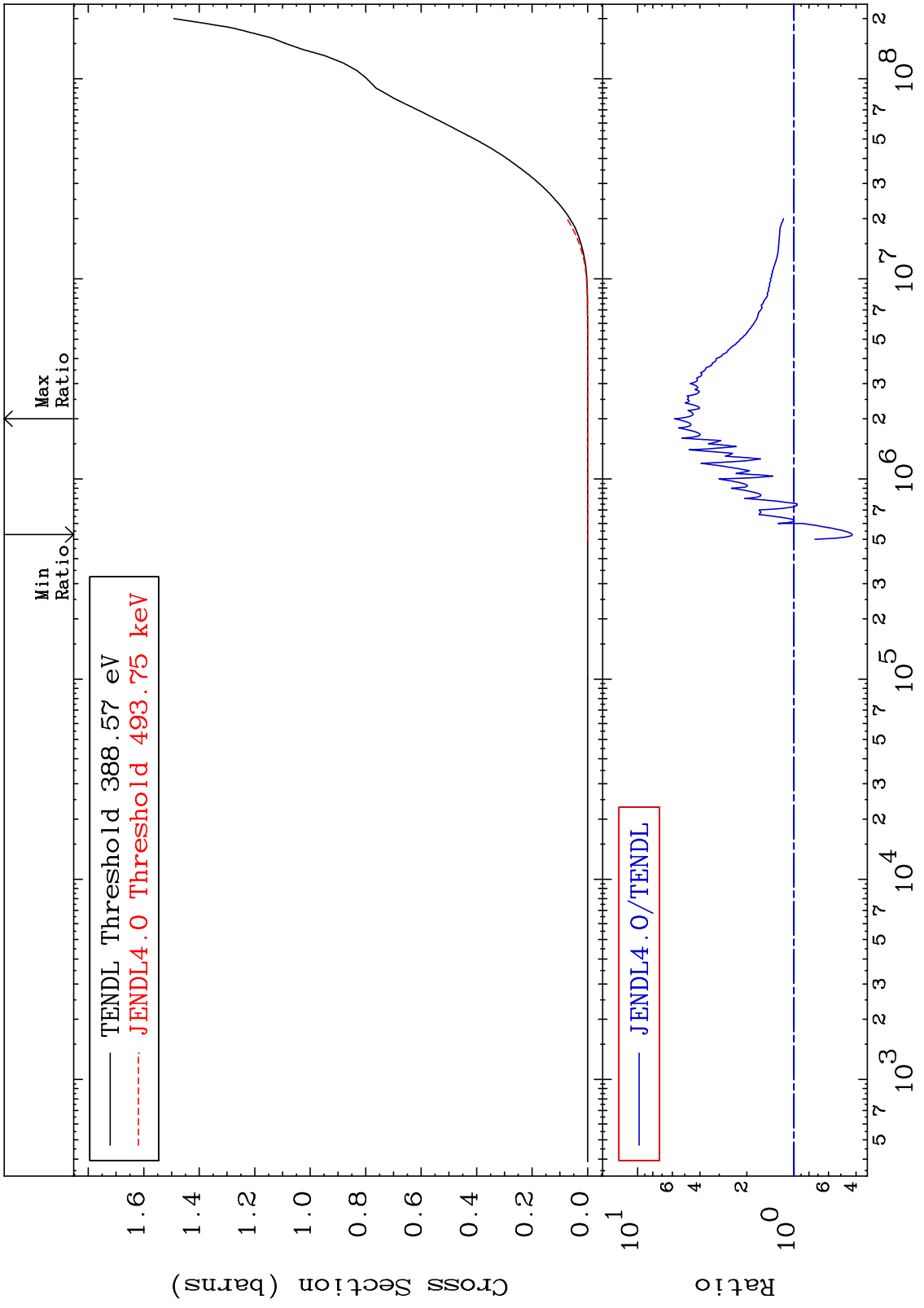
Cross Section



MAT 6619

Hydrogen Production
Cross Section

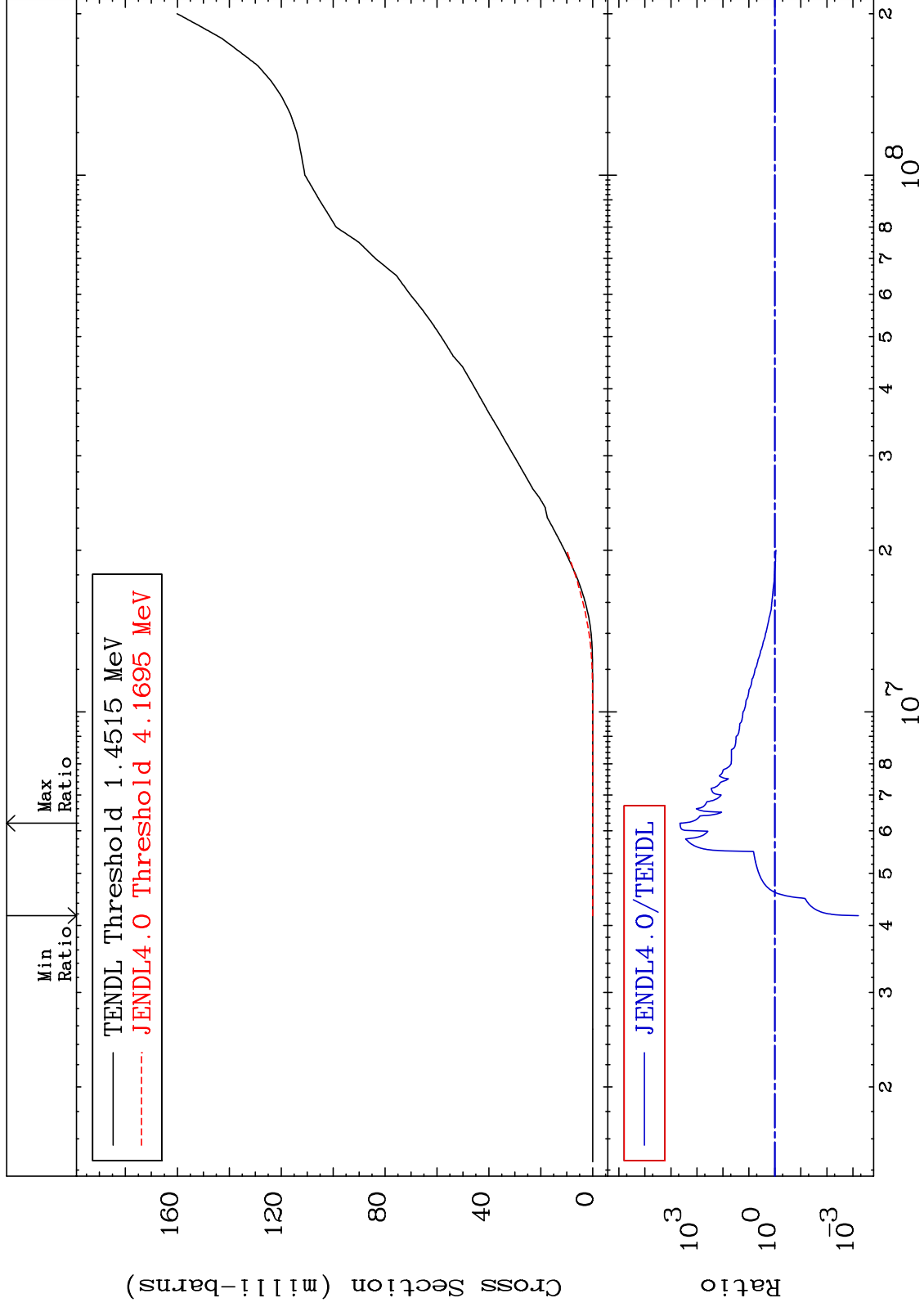
66-Dy-154
-57.67 To 480.3 %



MAT 6619

Deuterium Production
Cross Section

66-Dy-154
-99.94 To 9999. %



40

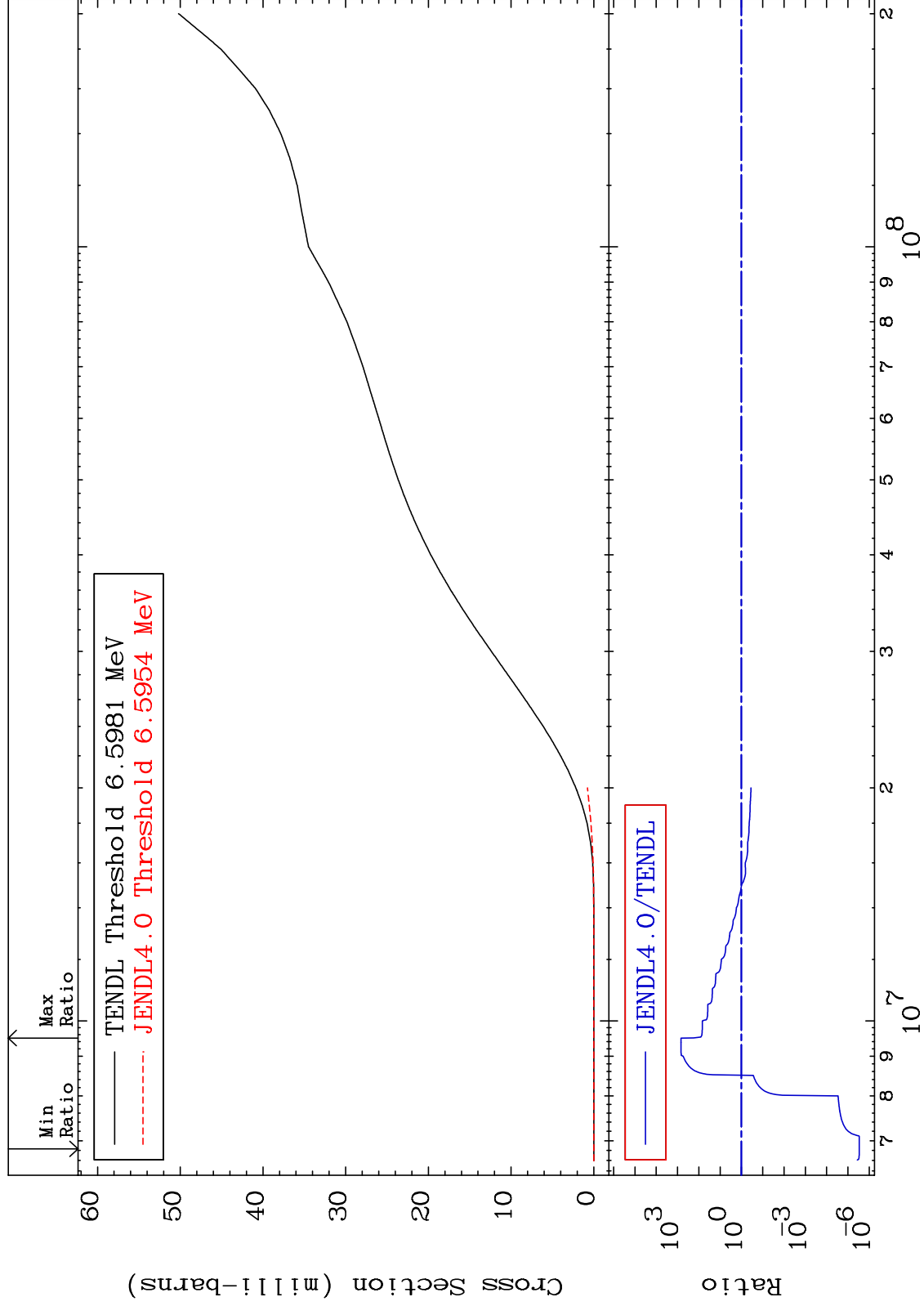
Incident Energy (eV)

66-Dy-154

MAT 6619

Tritium Production
Cross Section

66-Dy-154
-100.0 To 9999. %



41

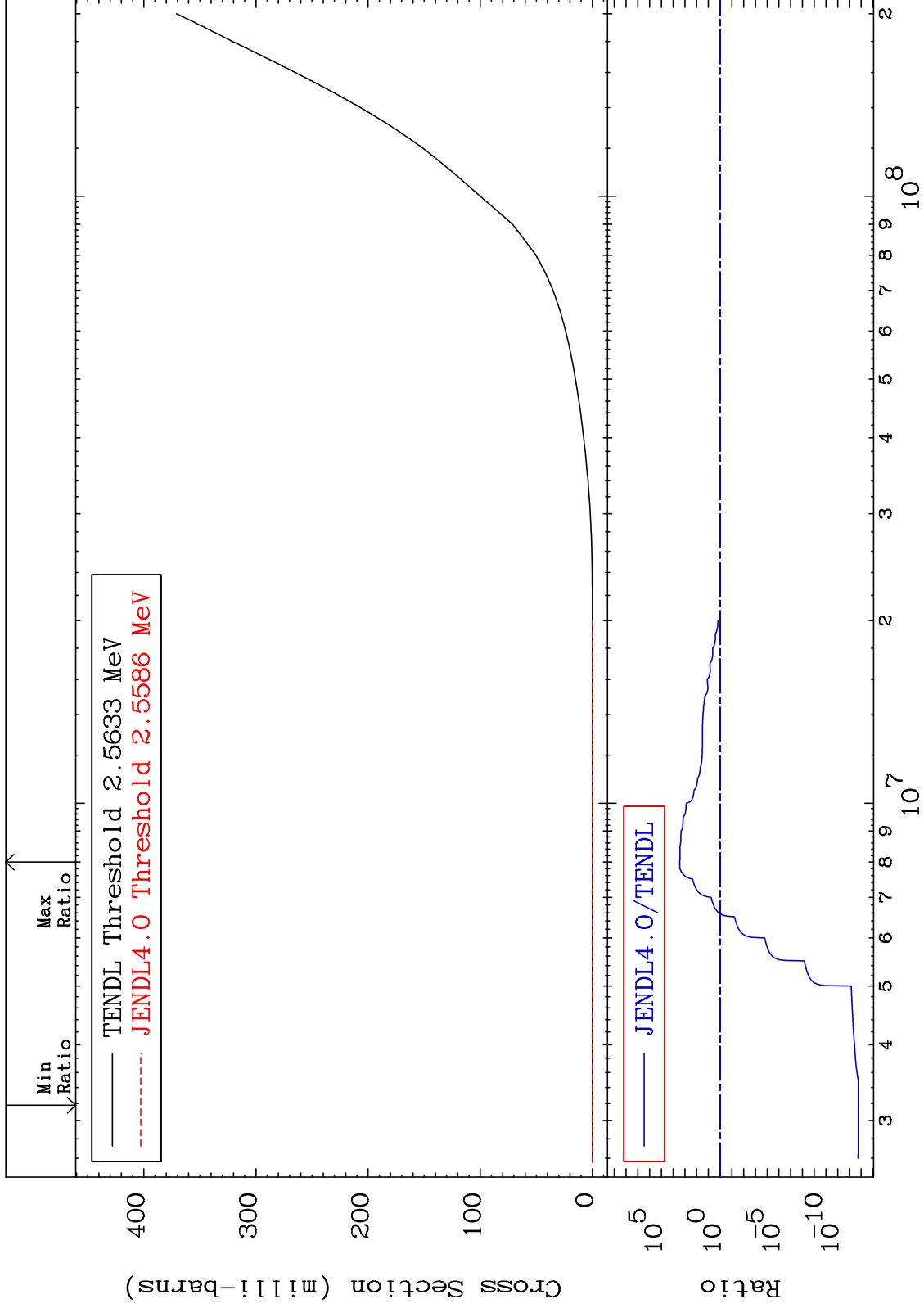
Incident Energy (eV)

66-Dy-154

MAT 6619

He-3 Production
Cross Section

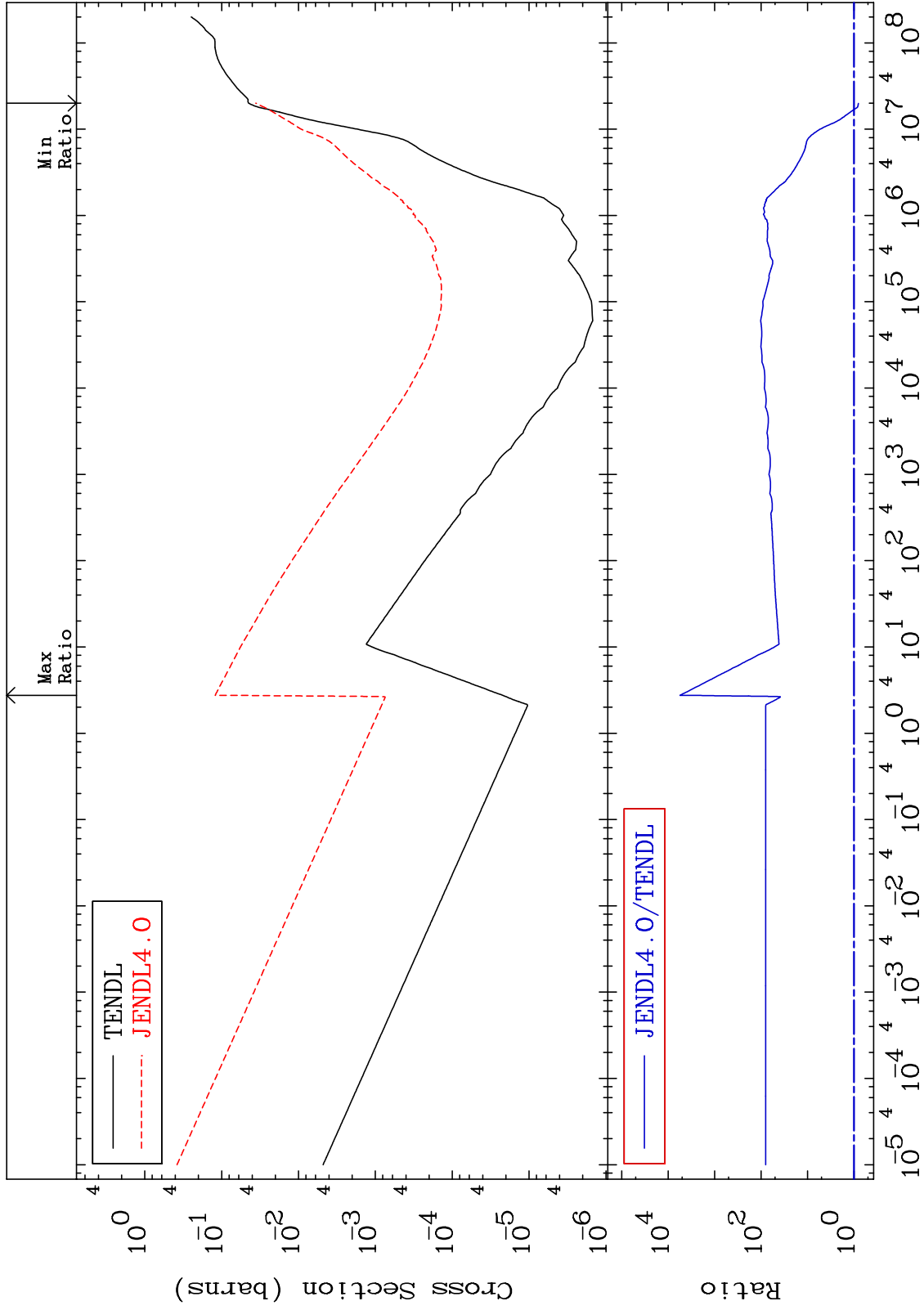
66-Dy-154
-100.0 To 9999. %



MAT 6619

He-4 Production
Cross Section

66-Dy-154
-19.76 To 9999. %



Incident Energy (eV)

66-Dy-154

43

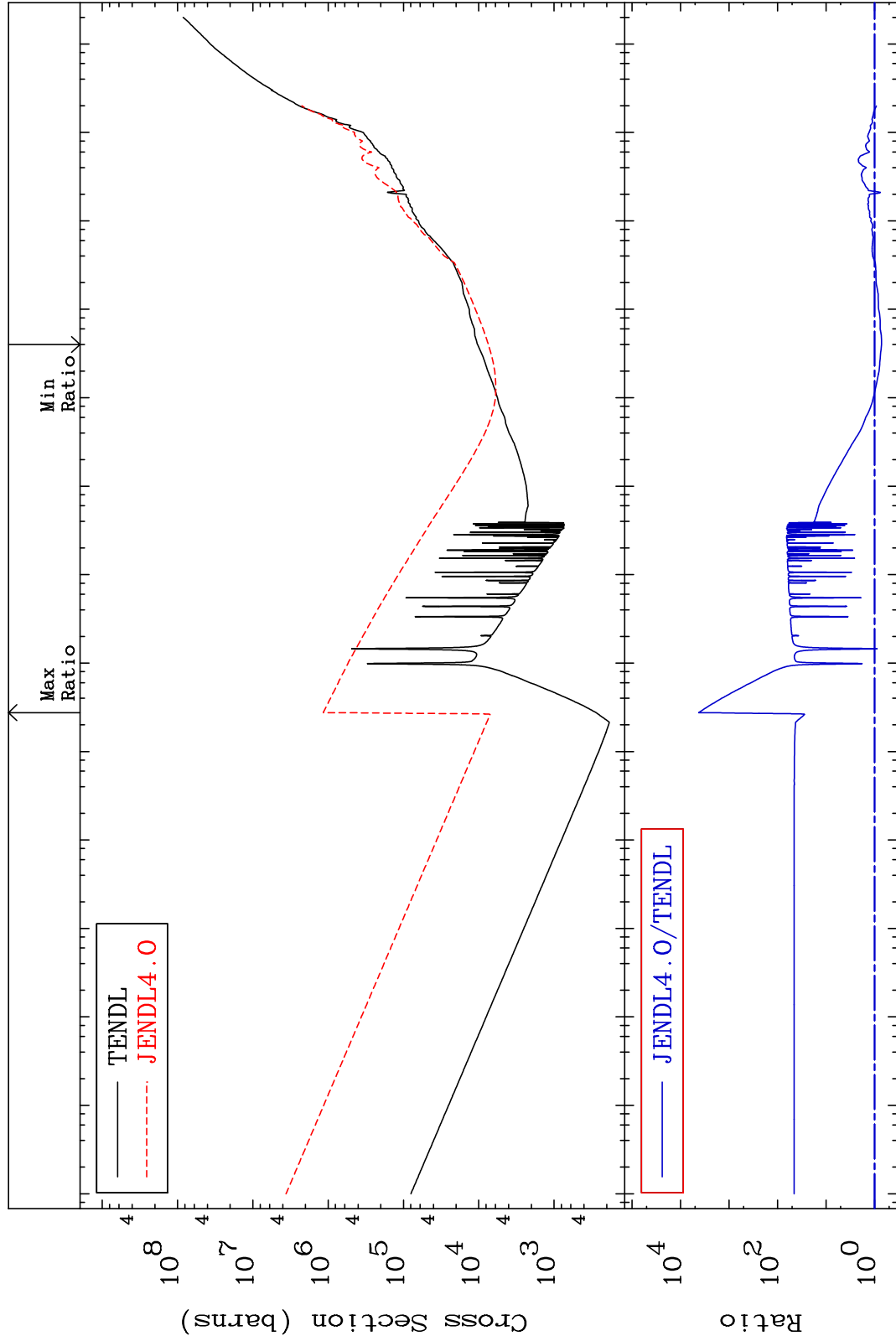
MAT 6619

Kerma total (eV-barns)

66-Dy-154

-28.23 To 9999. %

Cross Section



44

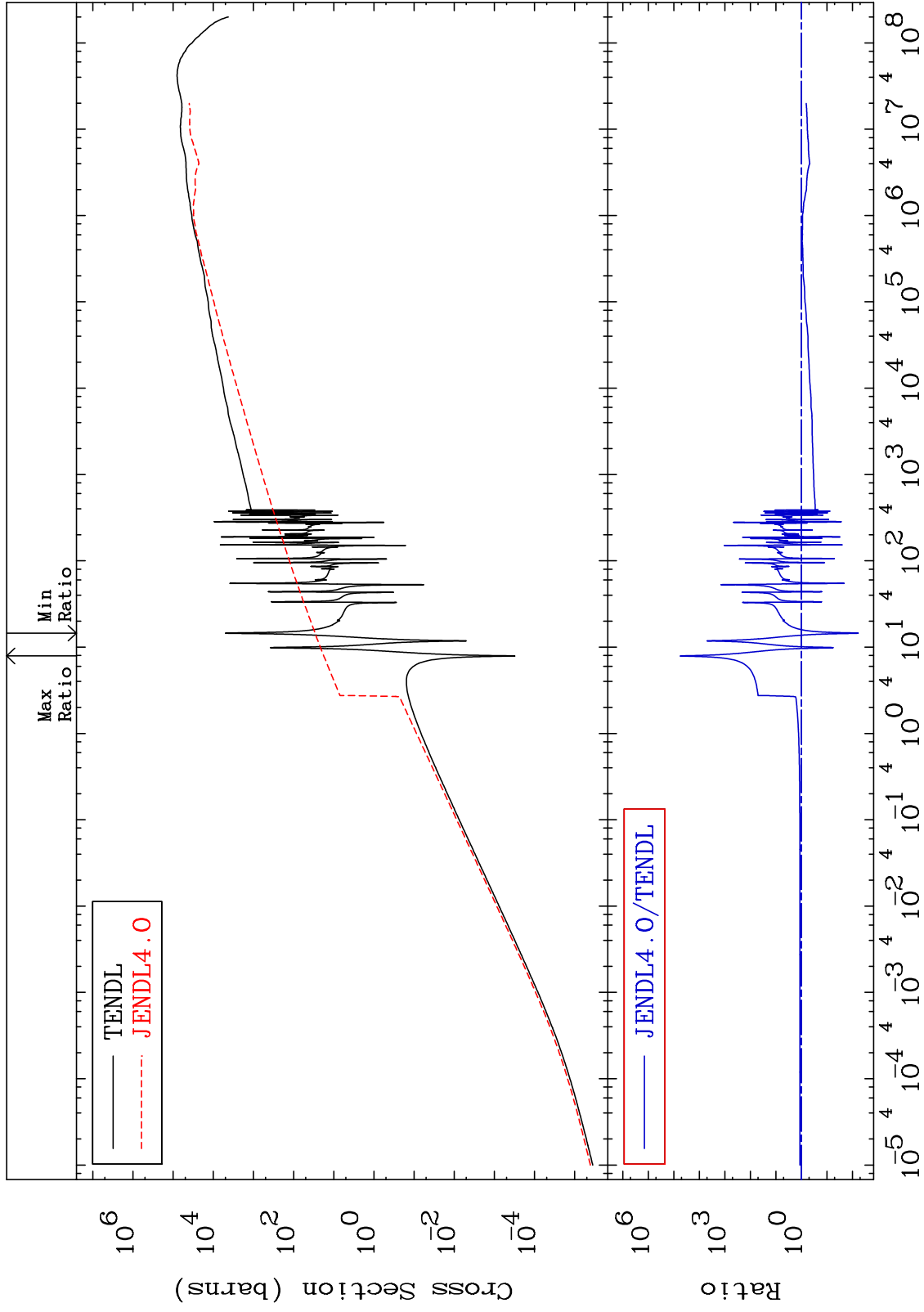
Incident Energy (eV)

66-Dy-154

MAT 6619

Kerma elastic
Cross Section

66-Dy-154
-99.41 To 9999. %



45

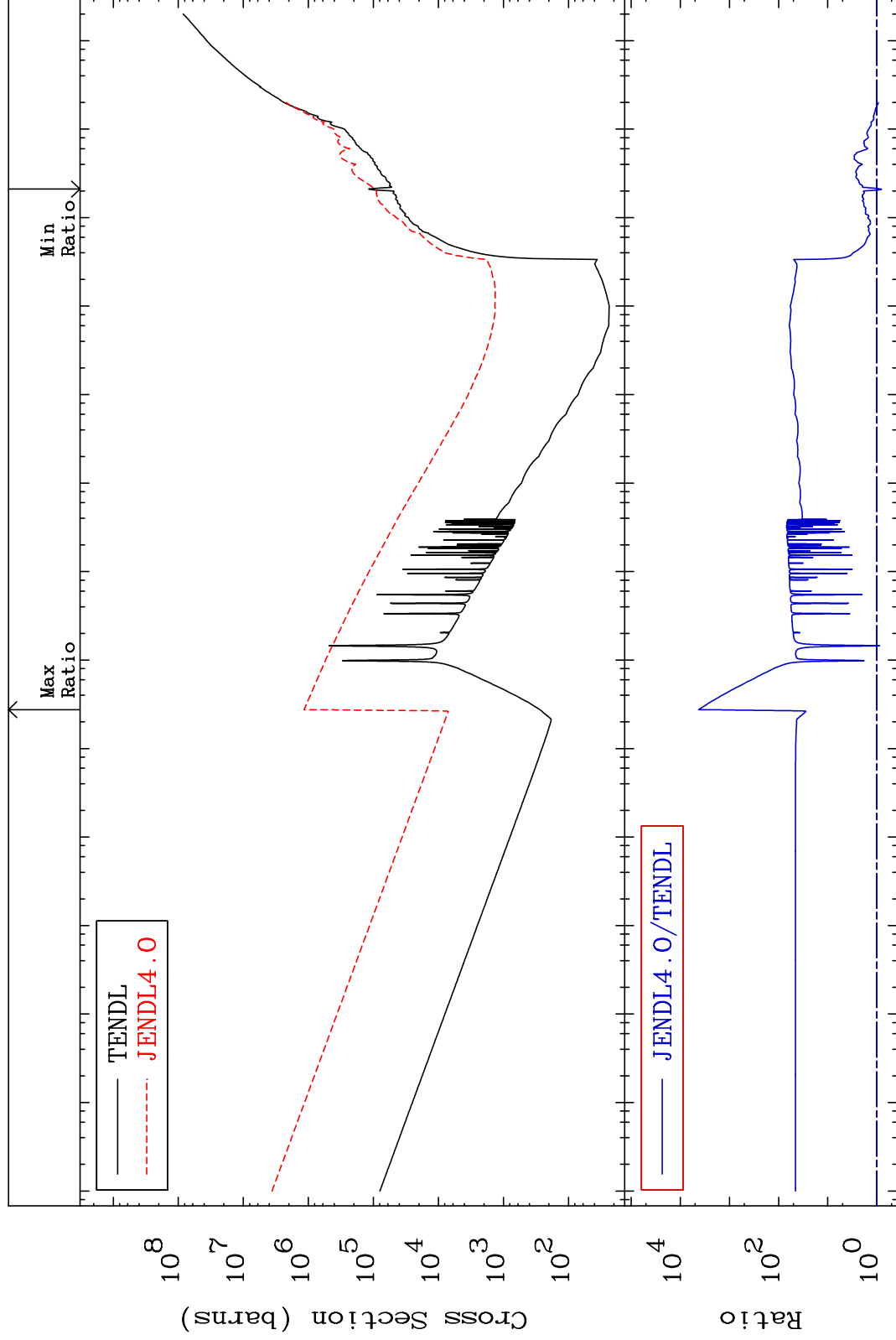
Incident Energy (eV)

66-Dy-154

MAT 6619

Kerma non-elastic (all but mt2)
Cross Section

66-Dy-154
-19.78 To 9999. %



46

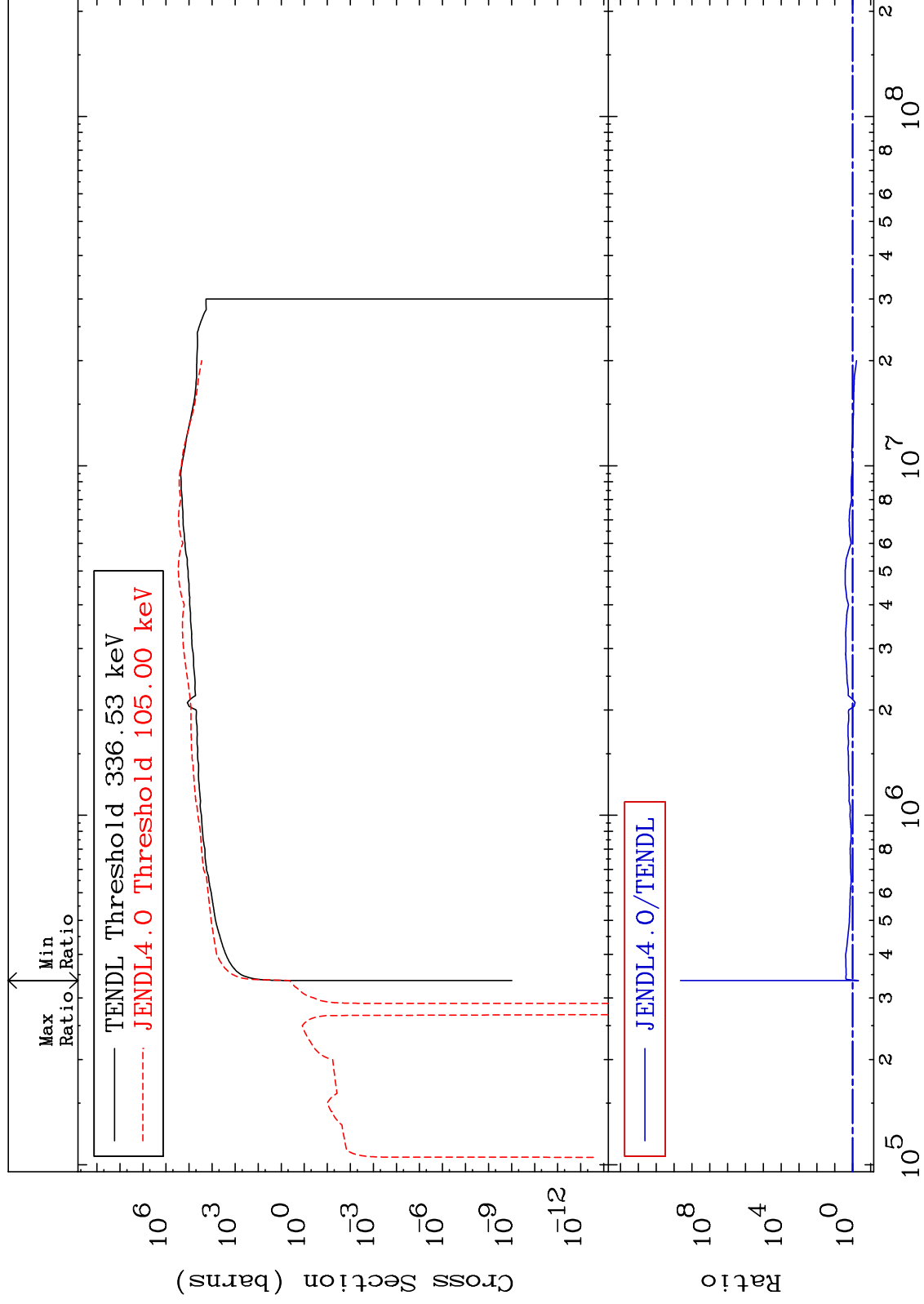
Incident Energy (eV)

66-Dy-154

MAT 6619

Kerma inelastic (mt51-91)
Cross Section

66-Dy-154
-52.79 To 9999. %



47

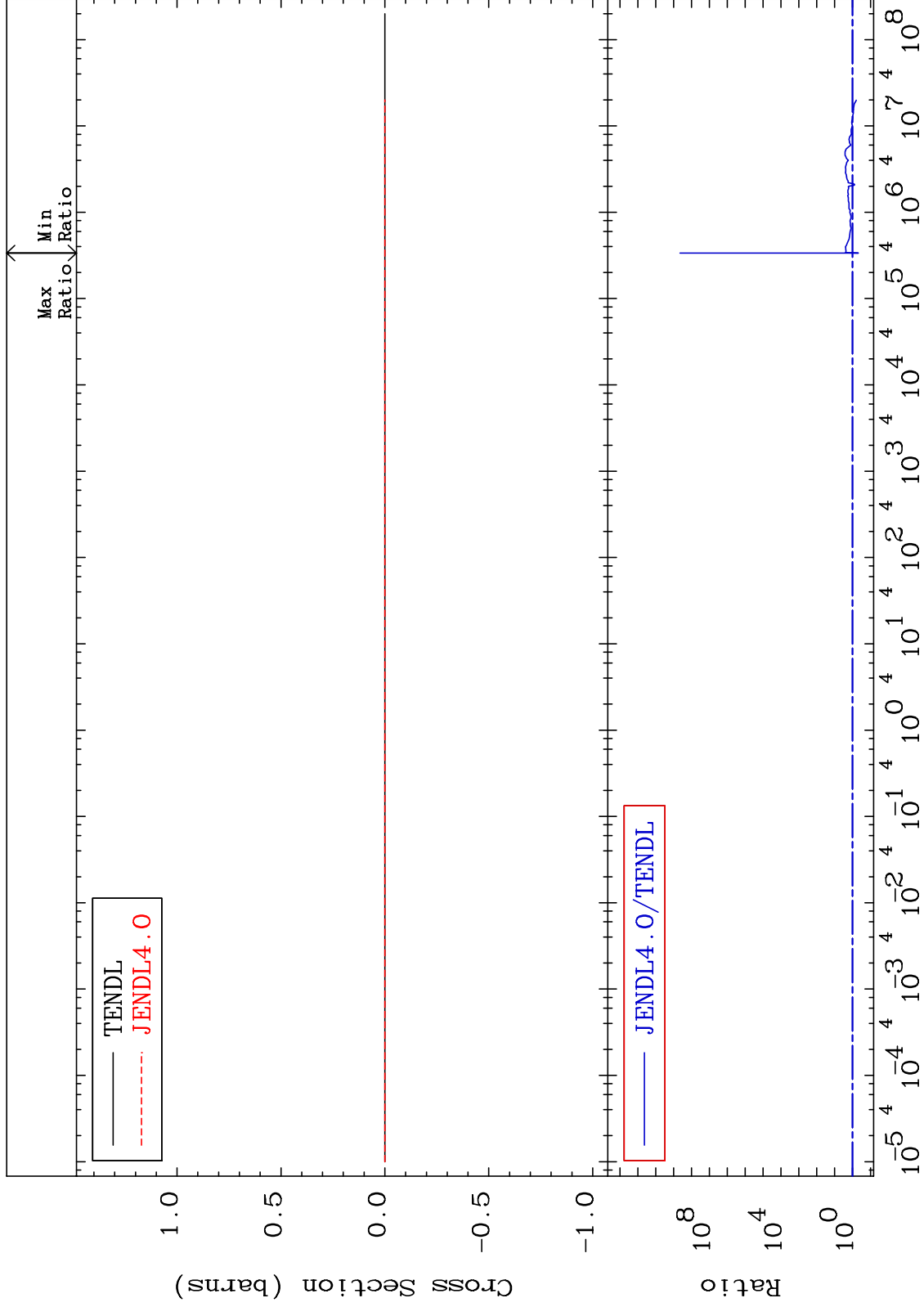
Incident Energy (eV)

66-Dy-154

MAT 6619

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

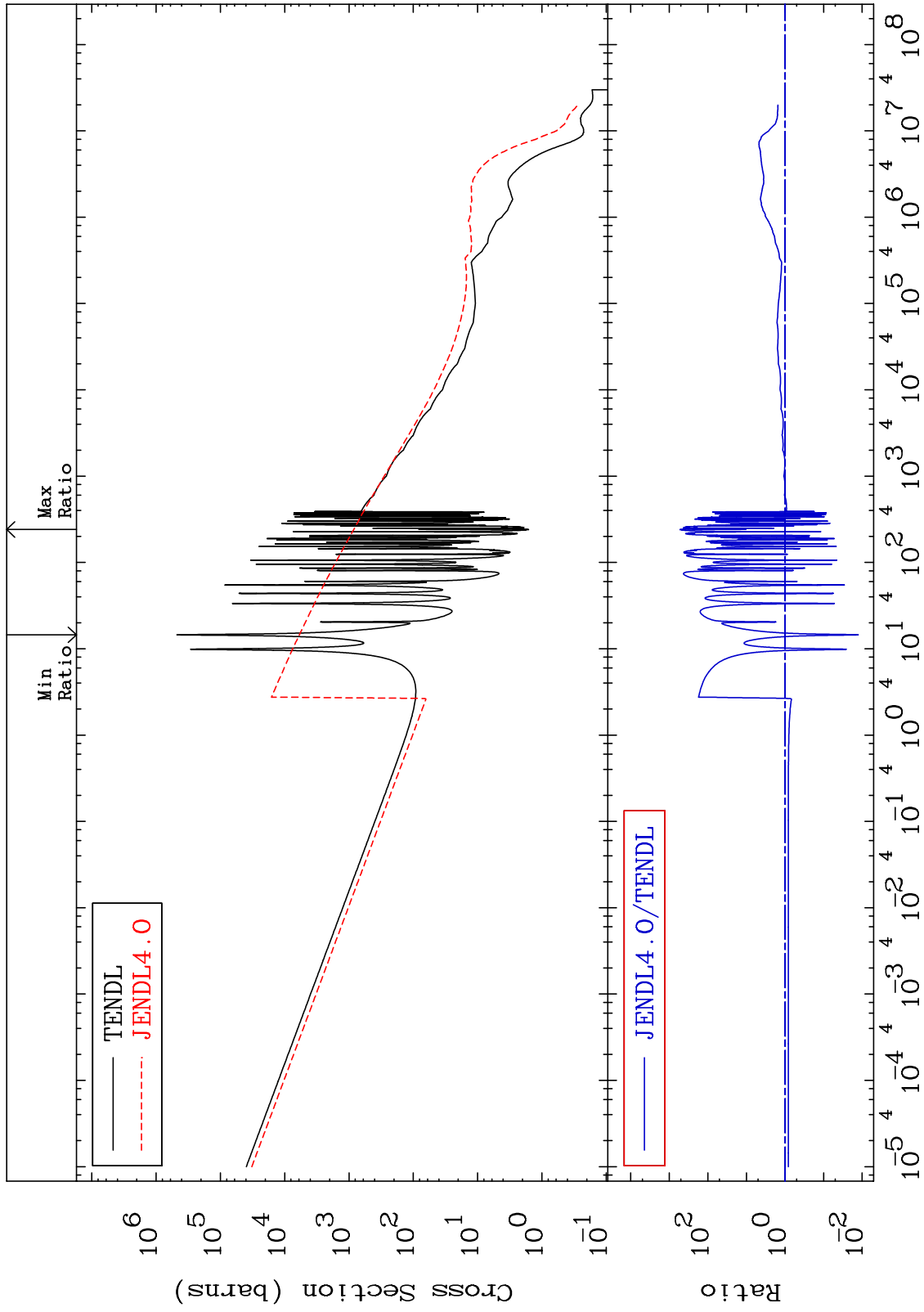
66-Dy-154
-52.79 To 9999. %



MAT 6619

Kerma capture (mt102)
Cross Section

66-Dy-154
-98.75 To 9999. %



49

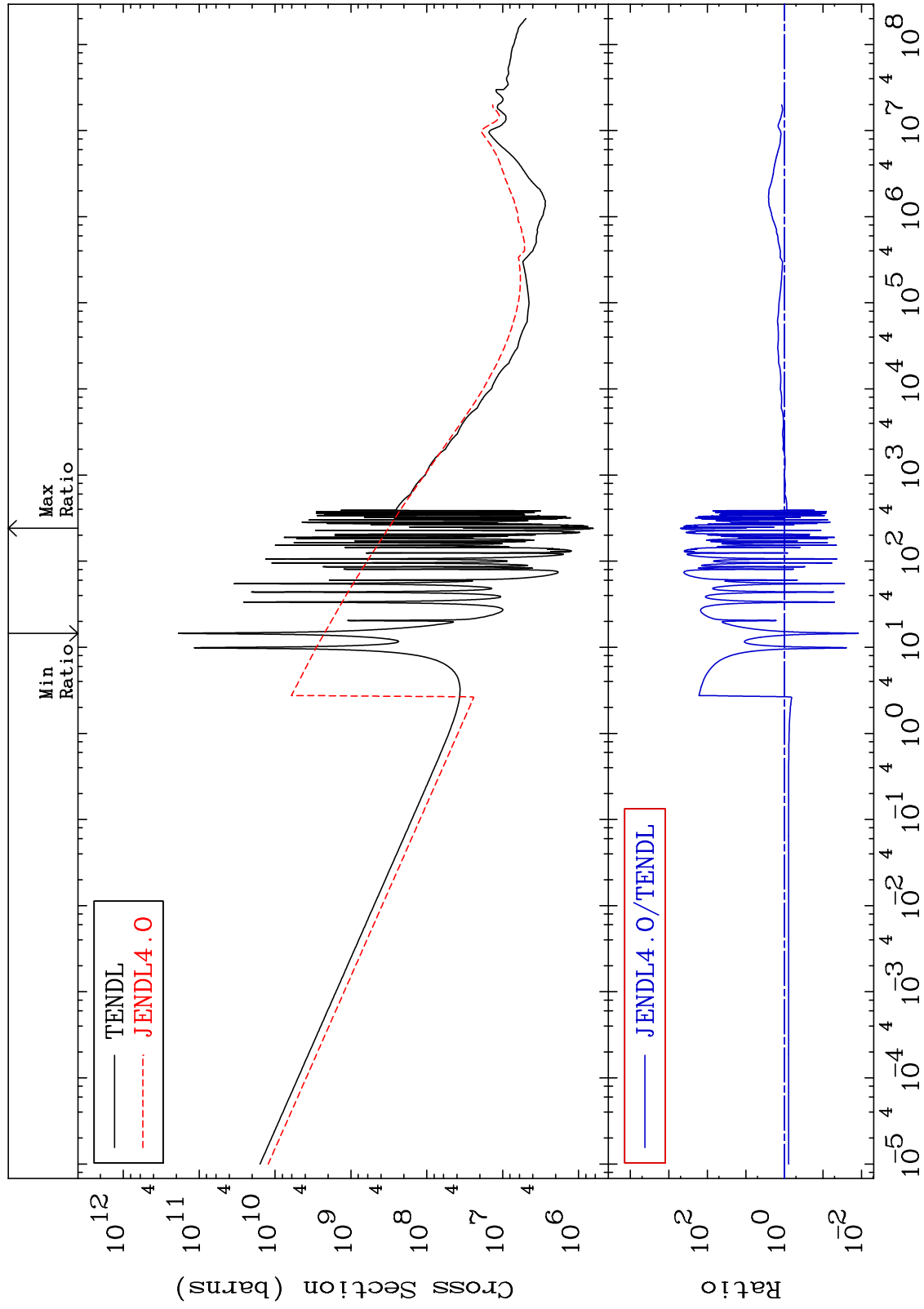
Incident Energy (eV)

66-Dy-154

MAT 6619

Total photon (eV-barns)
Cross Section

66-Dy-154
-98.81 To 9999. %



50

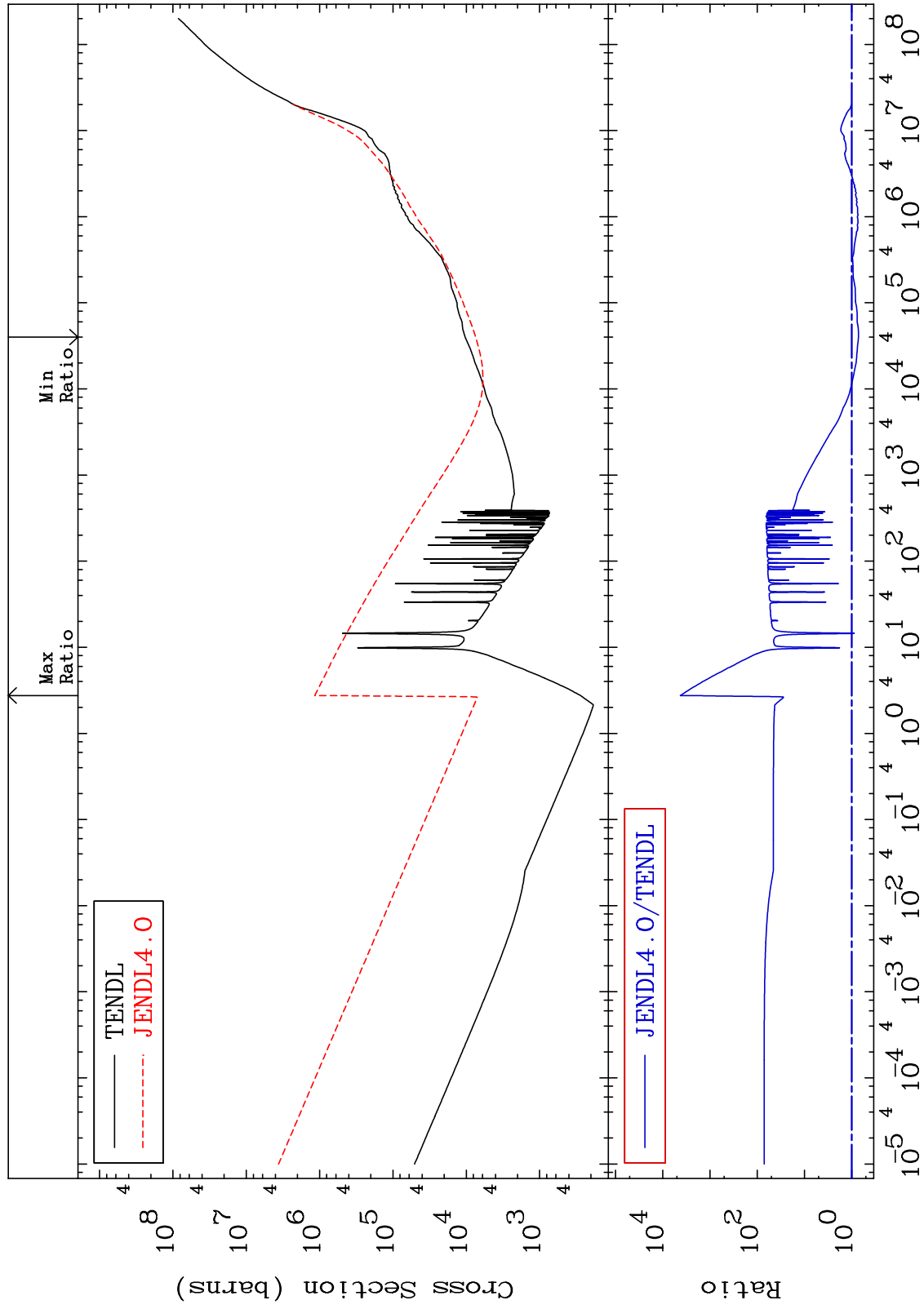
Incident Energy (eV)

66-Dy-154

MAT 6619

Total kinematic kerma (high limit)
Cross Section

66-Dy-154
-28.23 To 9999. %



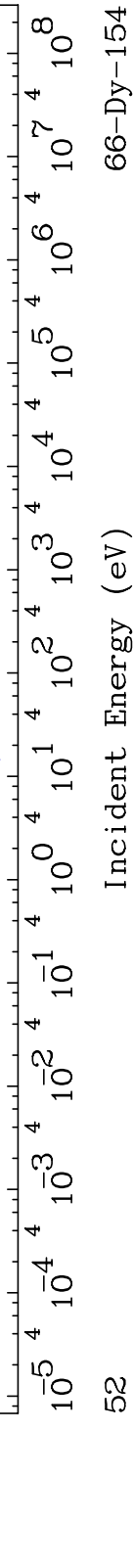
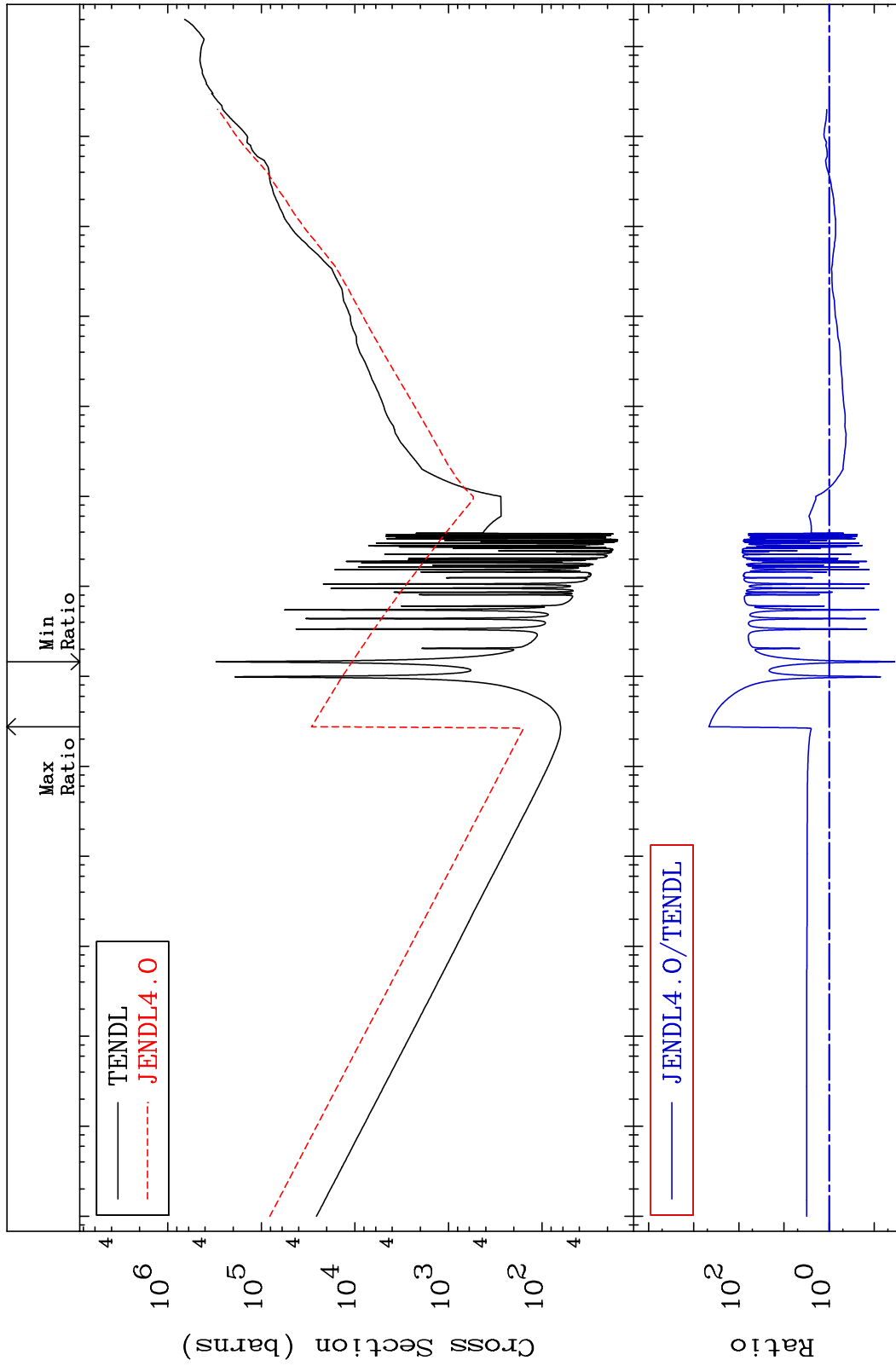
MAT 6619

Dpa total (eV-barns)

66-Dy-154

-96.51 To 9999. %

Cross Section



52

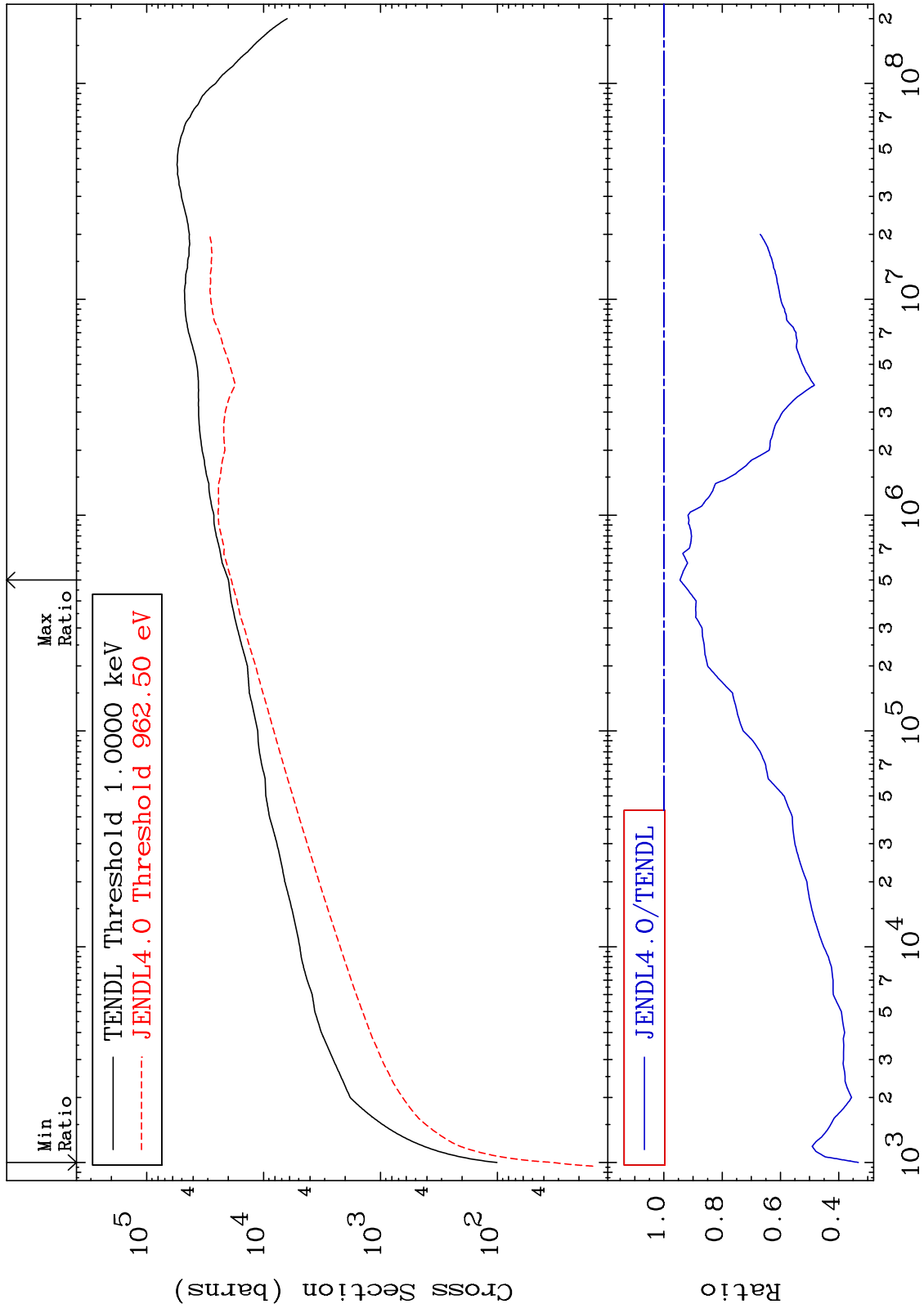
Incident Energy (eV)

66-Dy-154

MAT 6619

Dpa elastic (mt2)
Cross Section

66-Dy-154
-66.78 To -5.532%



53

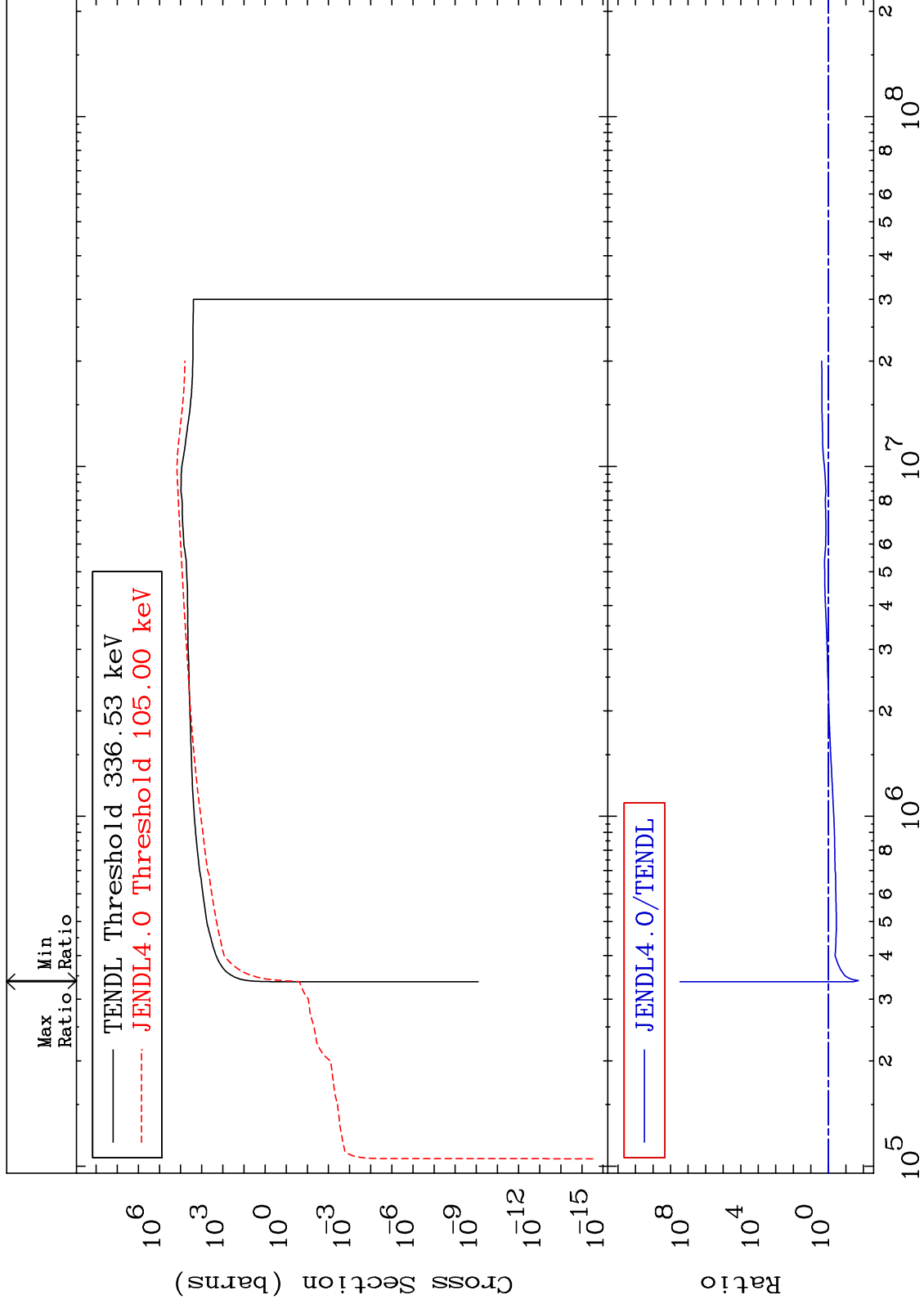
Incident Energy (eV)

66-Dy-154

MAT 6619

Dpa inelastic (mt51-91)
Cross Section

66-Dy-154
-98.05 To 9999. %



54

66-Dy-154

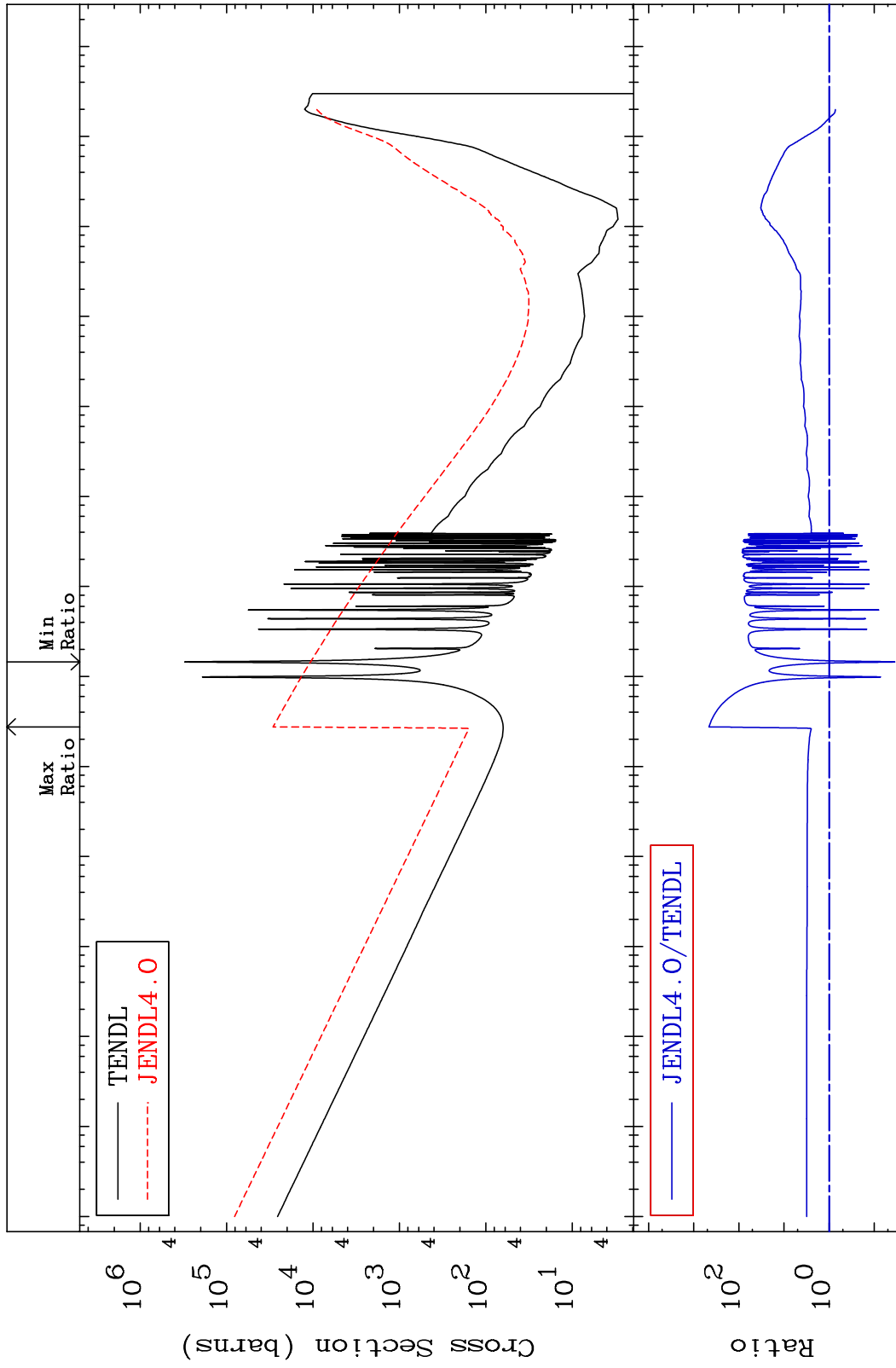
MAT 6619

Dpa disappearance (mt102 -120)

66-Dy-154

-96.51 To 9999. %

Cross Section



Incident Energy (eV)

66-Dy-154