

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

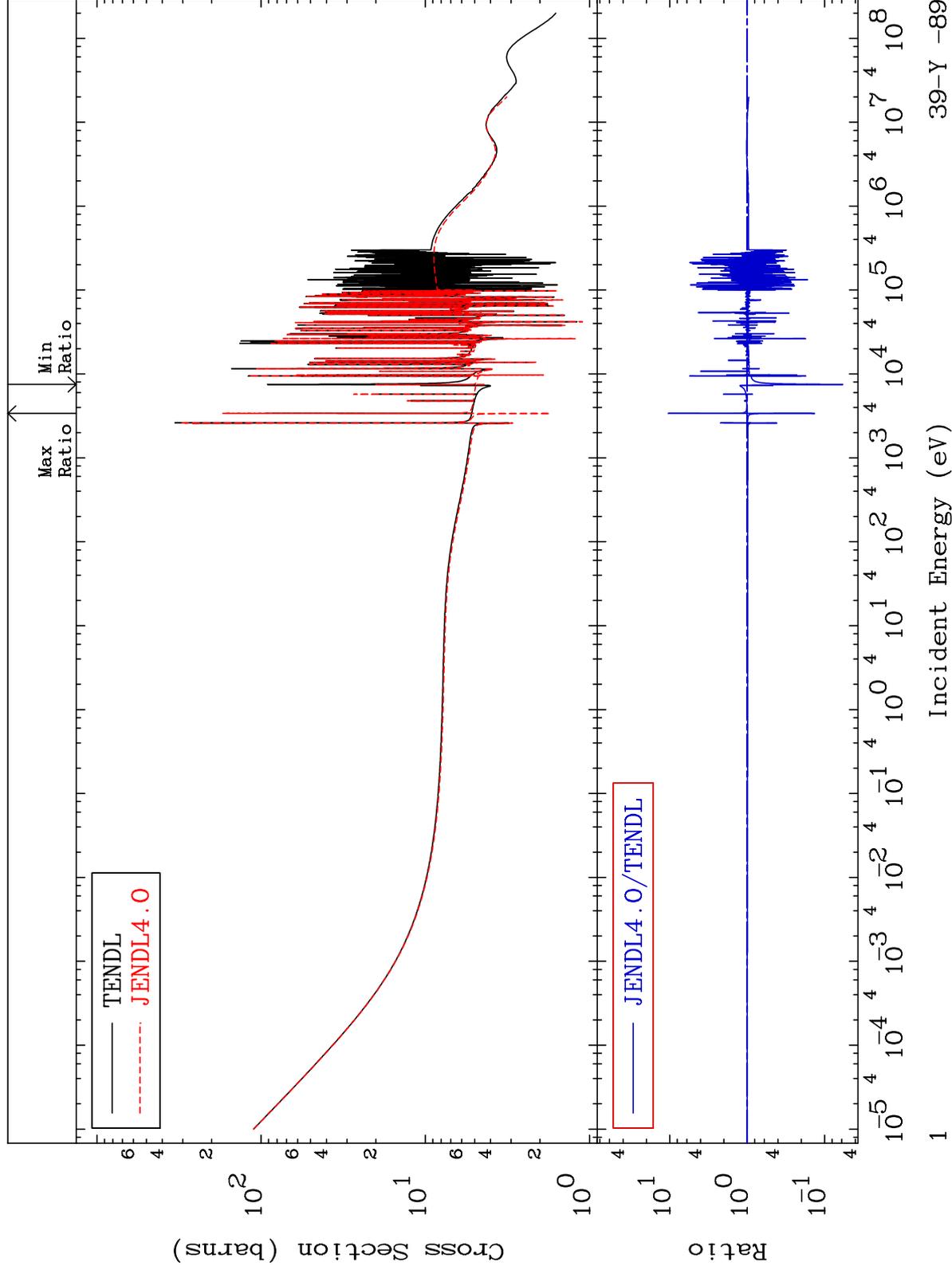
MAT 3925

Total

39-Y -89

Cross Section

-94.23 To 949.7 %



Incident Energy (eV)

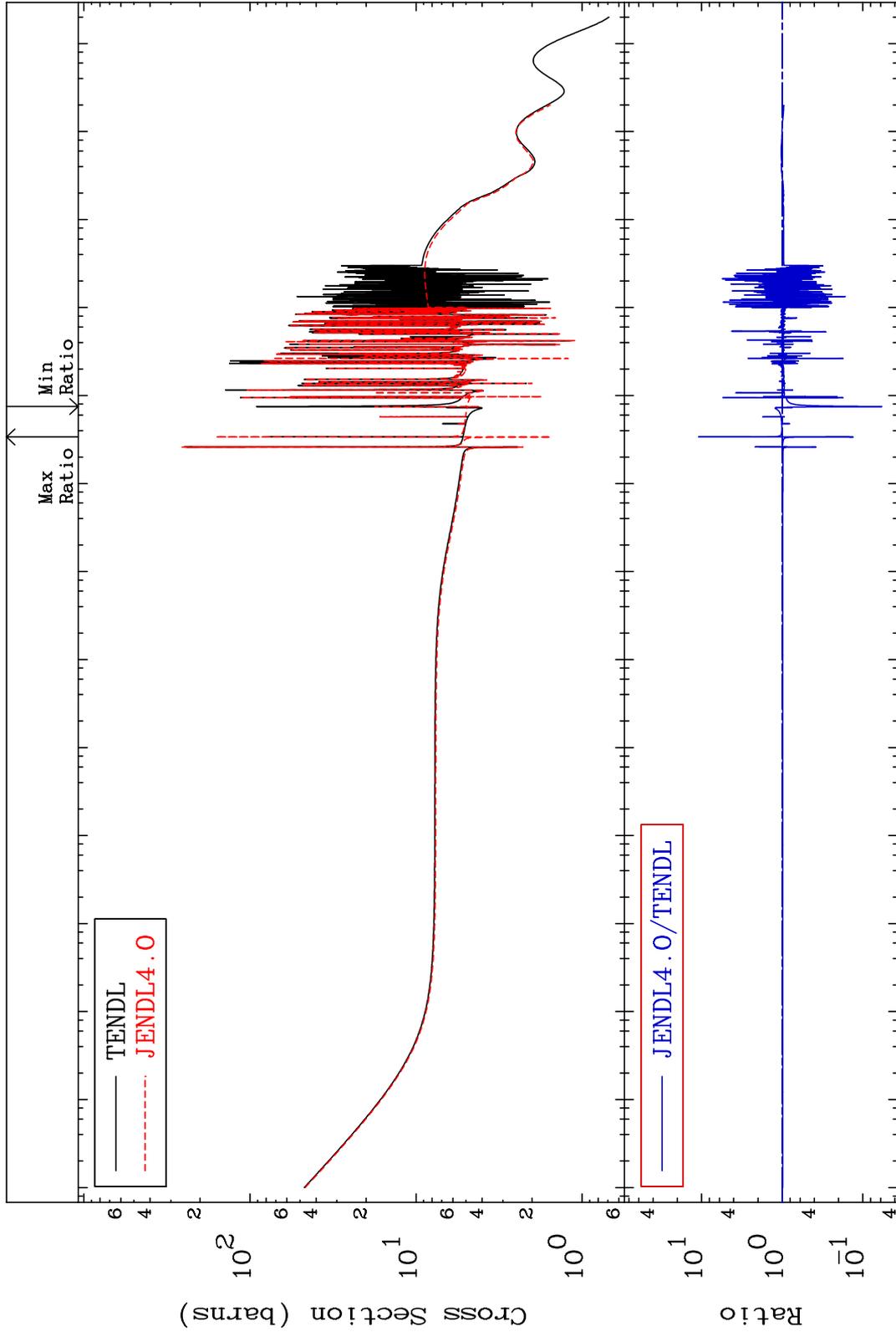
39-Y -89

1

MAT 3925

Elastic
Cross Section

39-Y -89
-94.23 To 986.1 %



Incident Energy (eV)

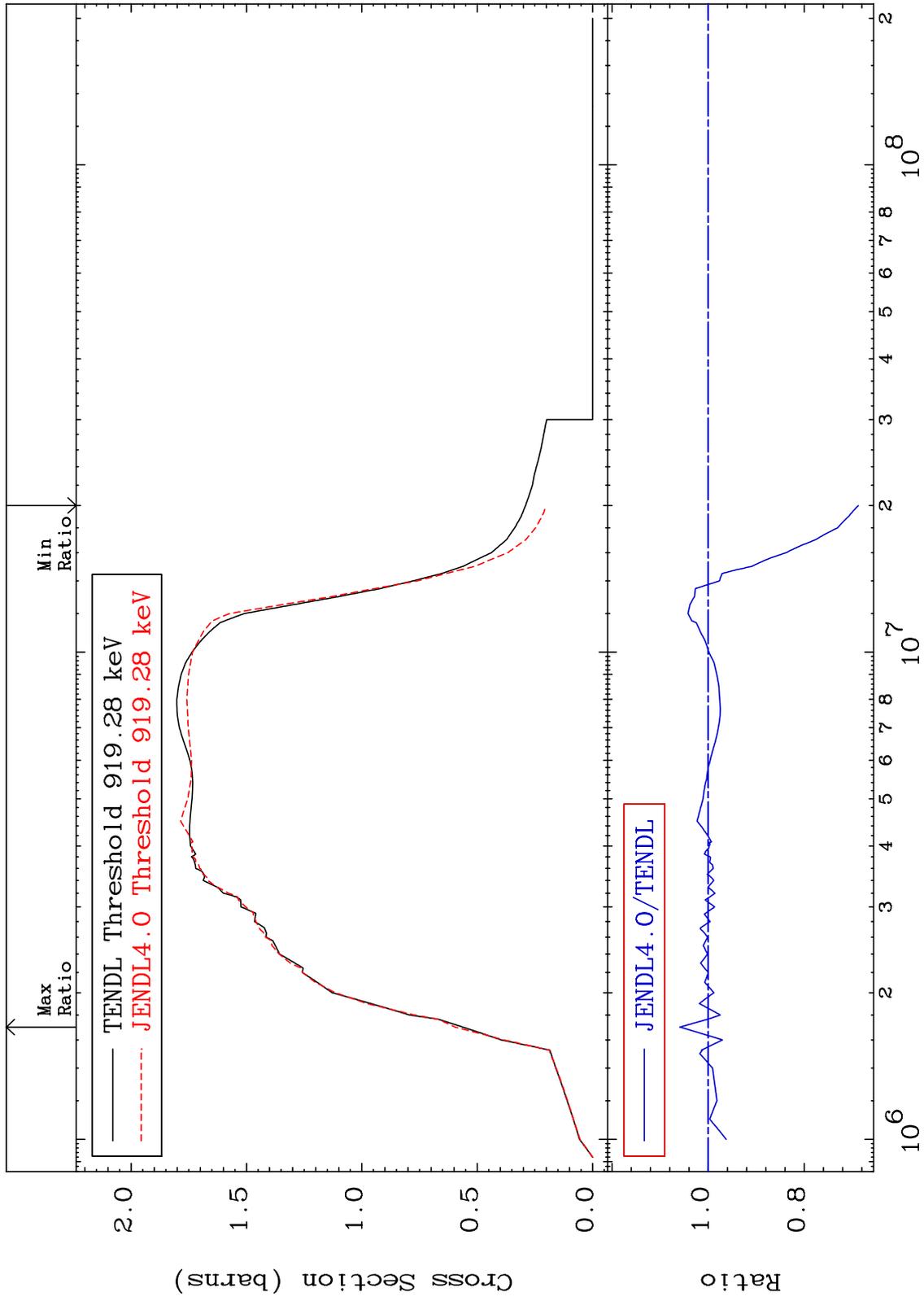
39-Y -89

2

MAT 3925

Inelastic
Cross Section

39-Y -89
-31.26 To 5.877 %



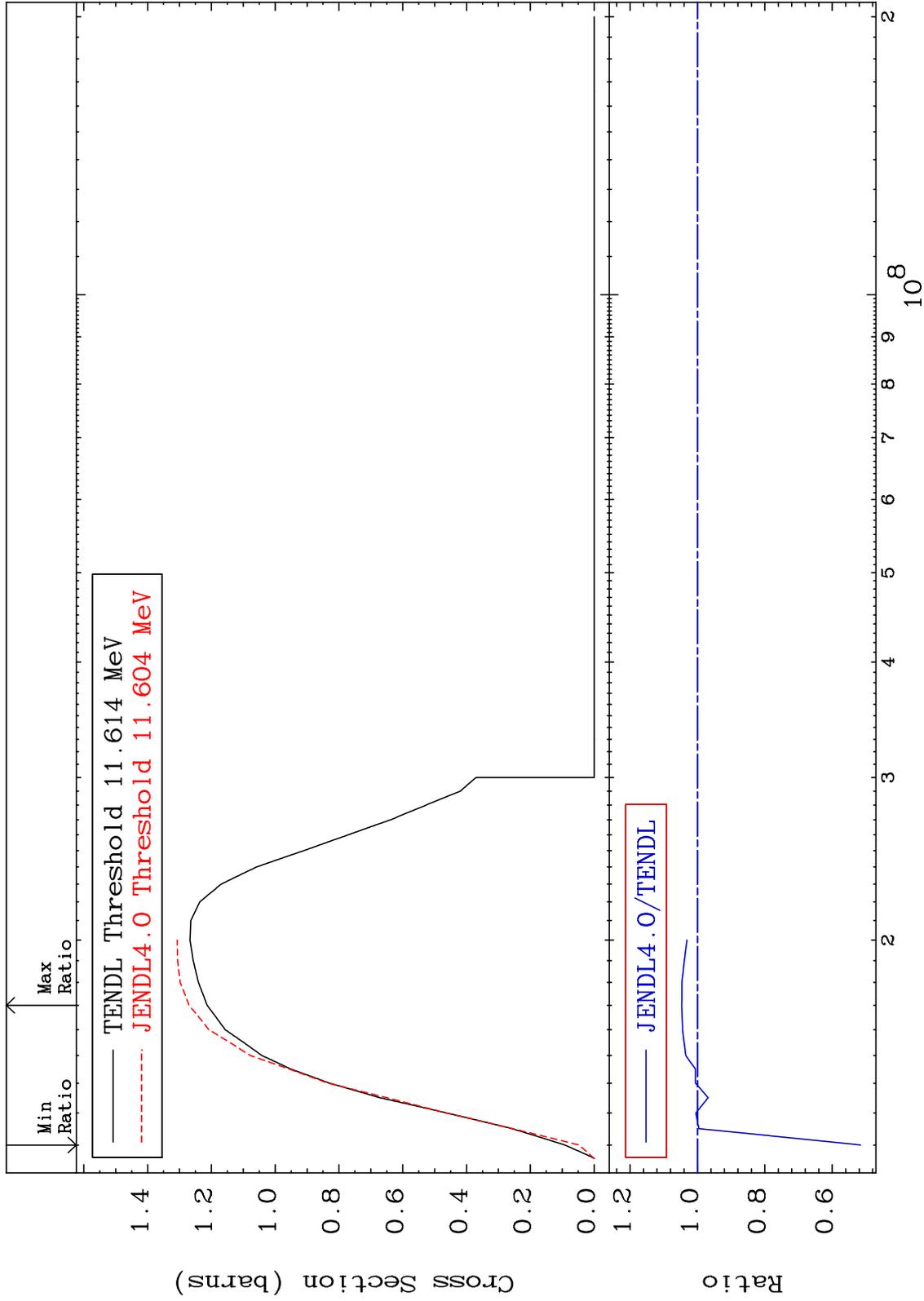
Incident Energy (eV)

39-Y -89

3

Cross Section

-48.43 To 4.668 %



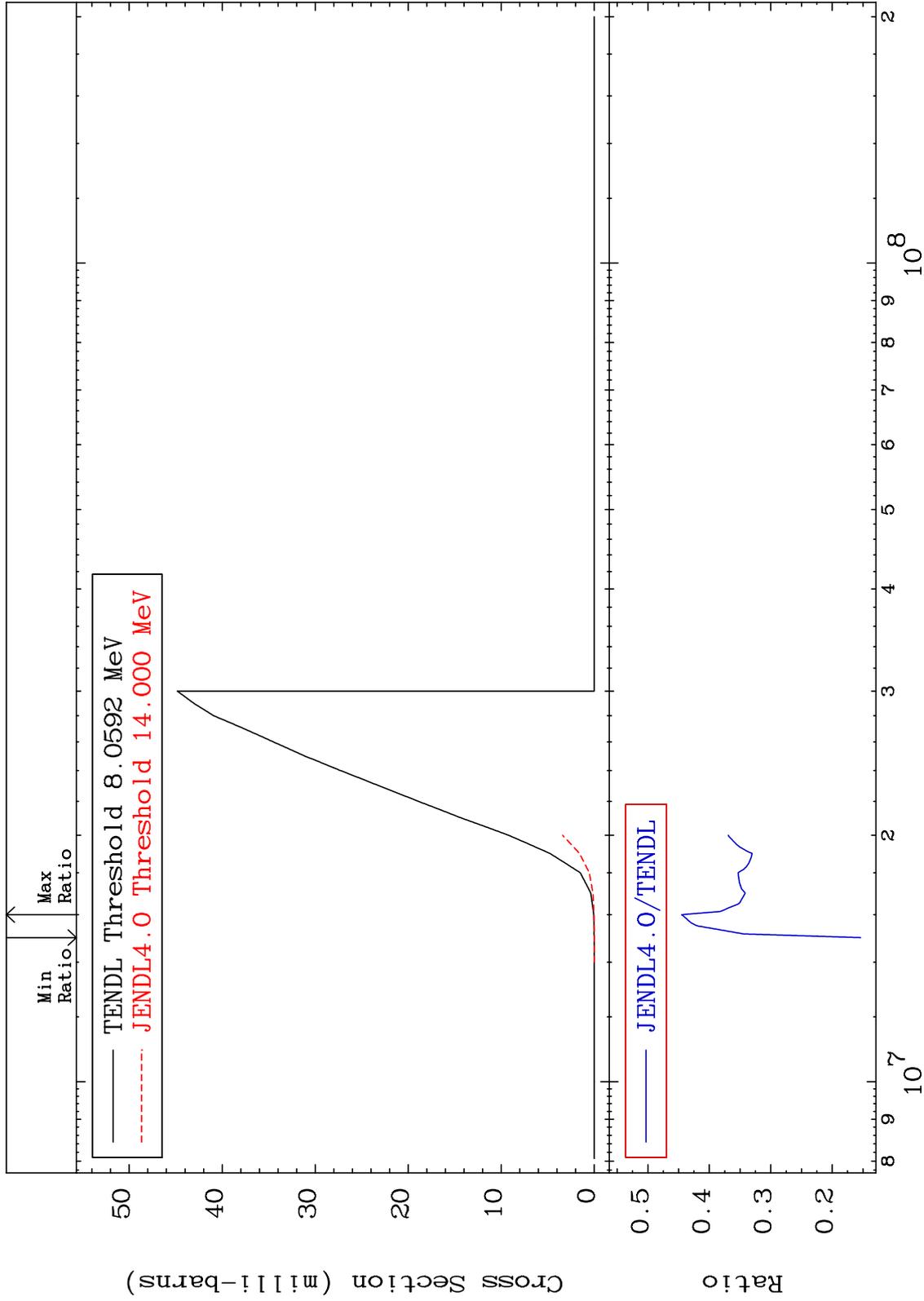
MAT 3925

(n,n') α

39-Y -89

Cross Section

-84.63 To -55.51%



5

Incident Energy (eV)

39-Y -89

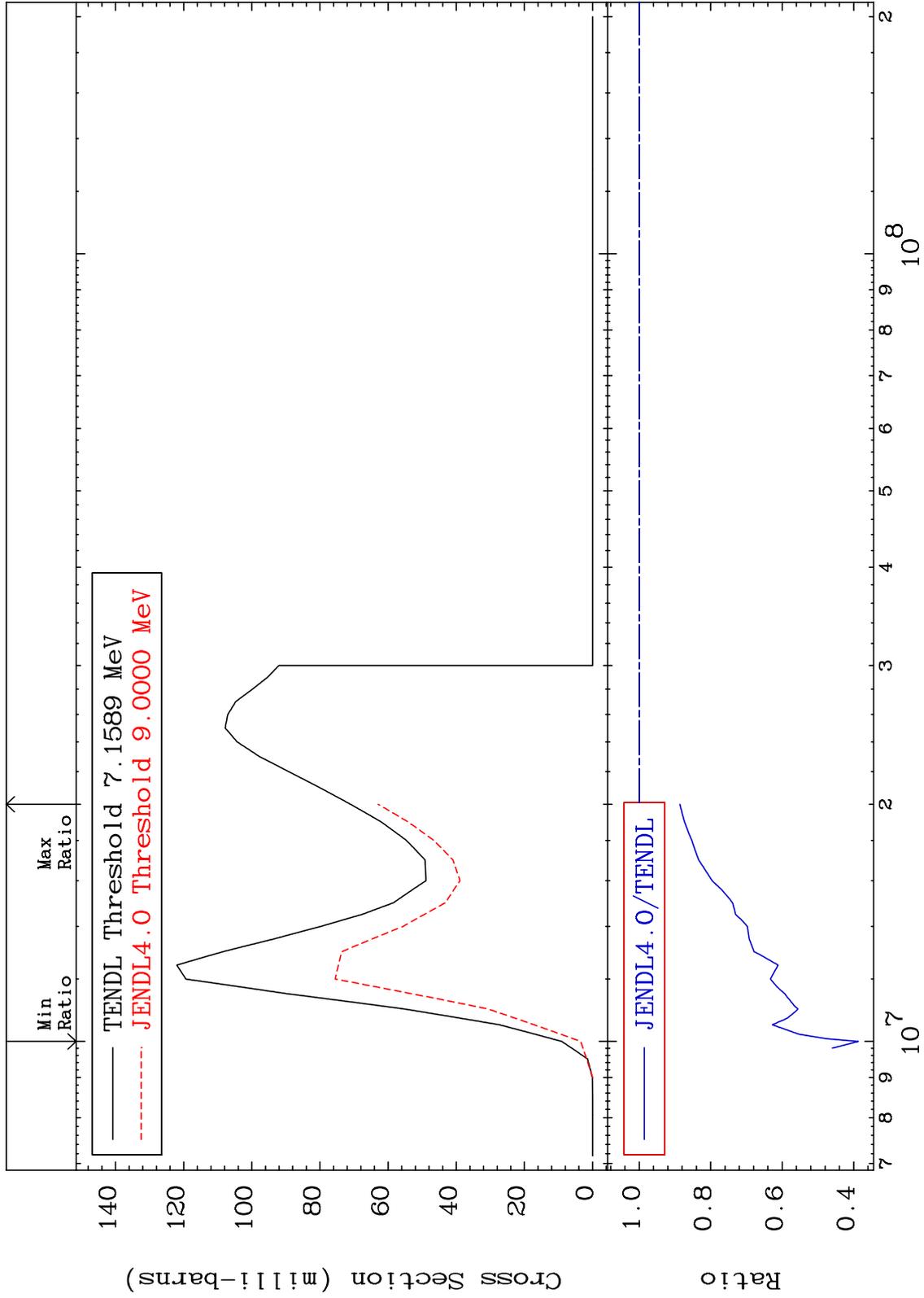
MAT 3925

(n,n') p

39-Y -89

Cross Section

-61.32 To -11.39%

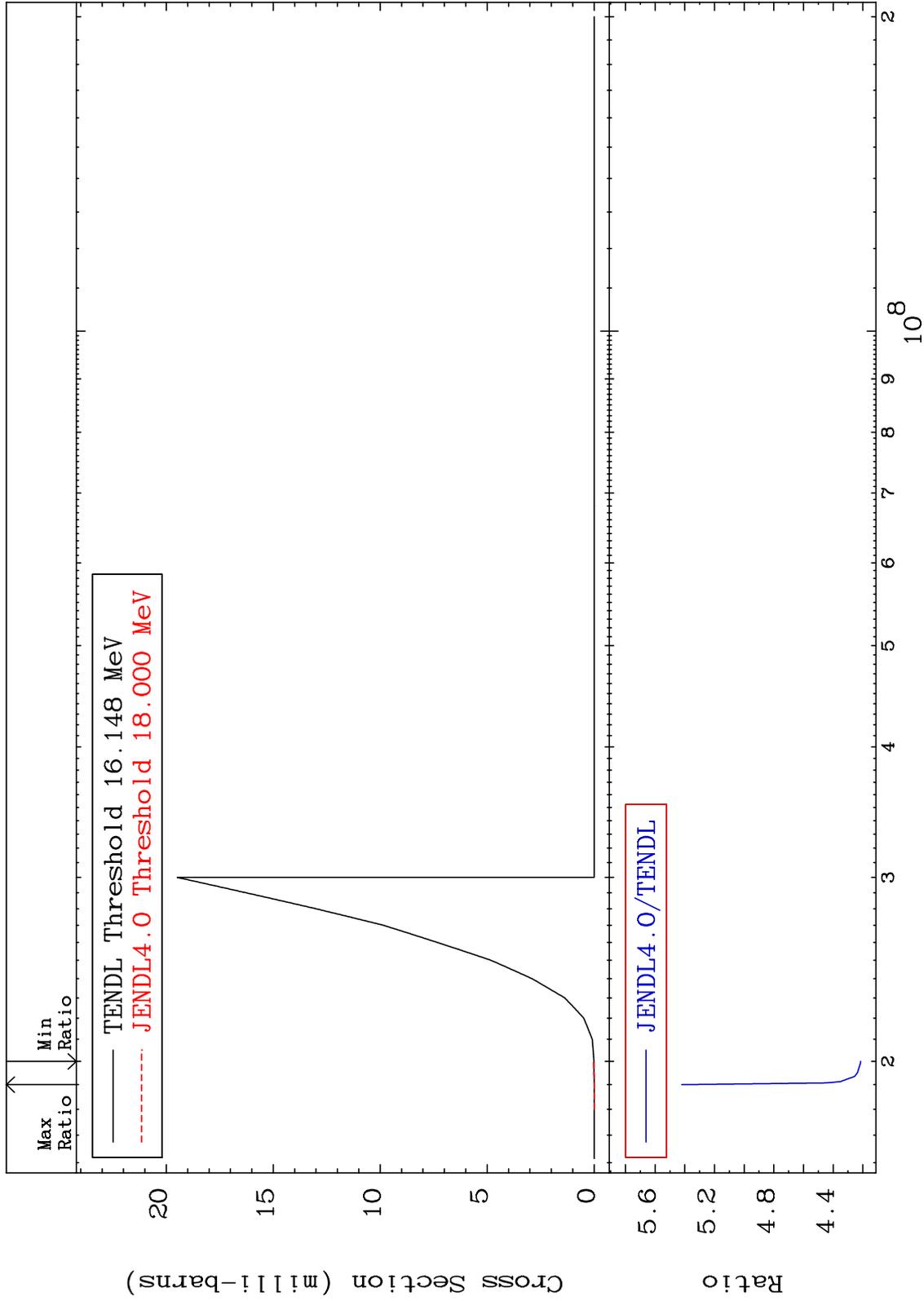


Incident Energy (eV)

39-Y -89

Cross Section

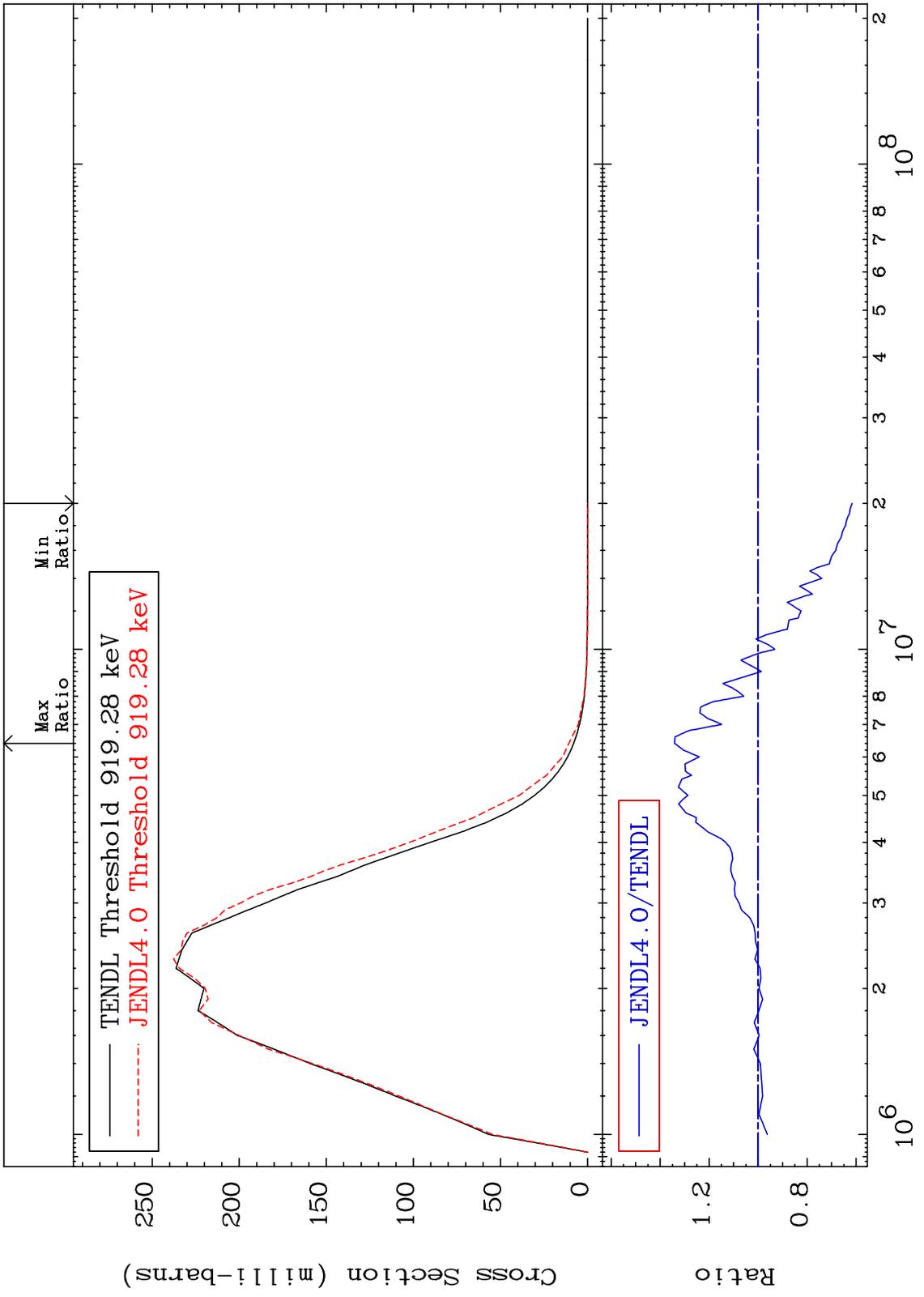
321.5 To 442.1 %



MAT 3925

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

39-Y -89
-38.41 To 34.14 %



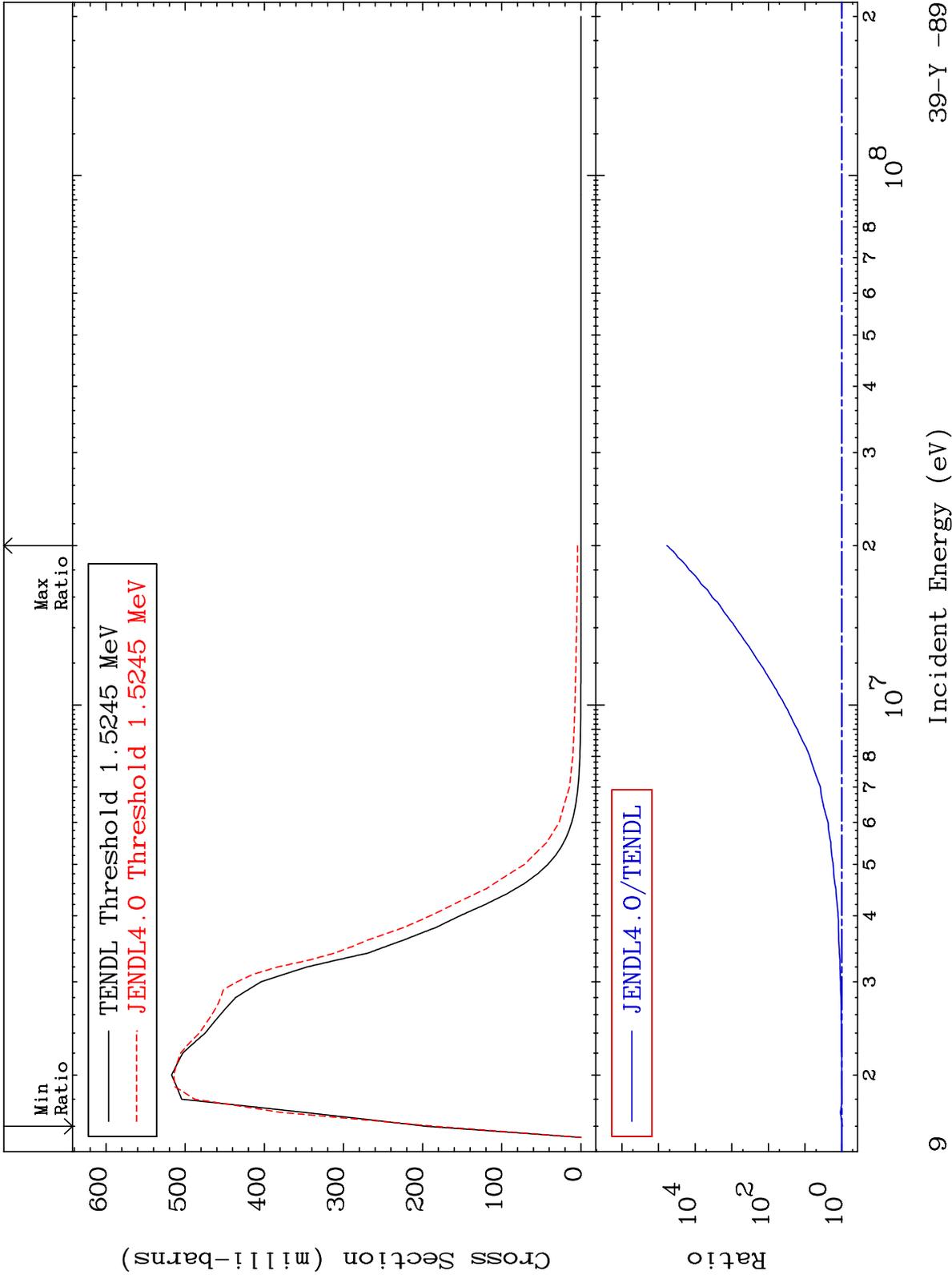
Incident Energy (eV)

39-Y -89

MAT 3925

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

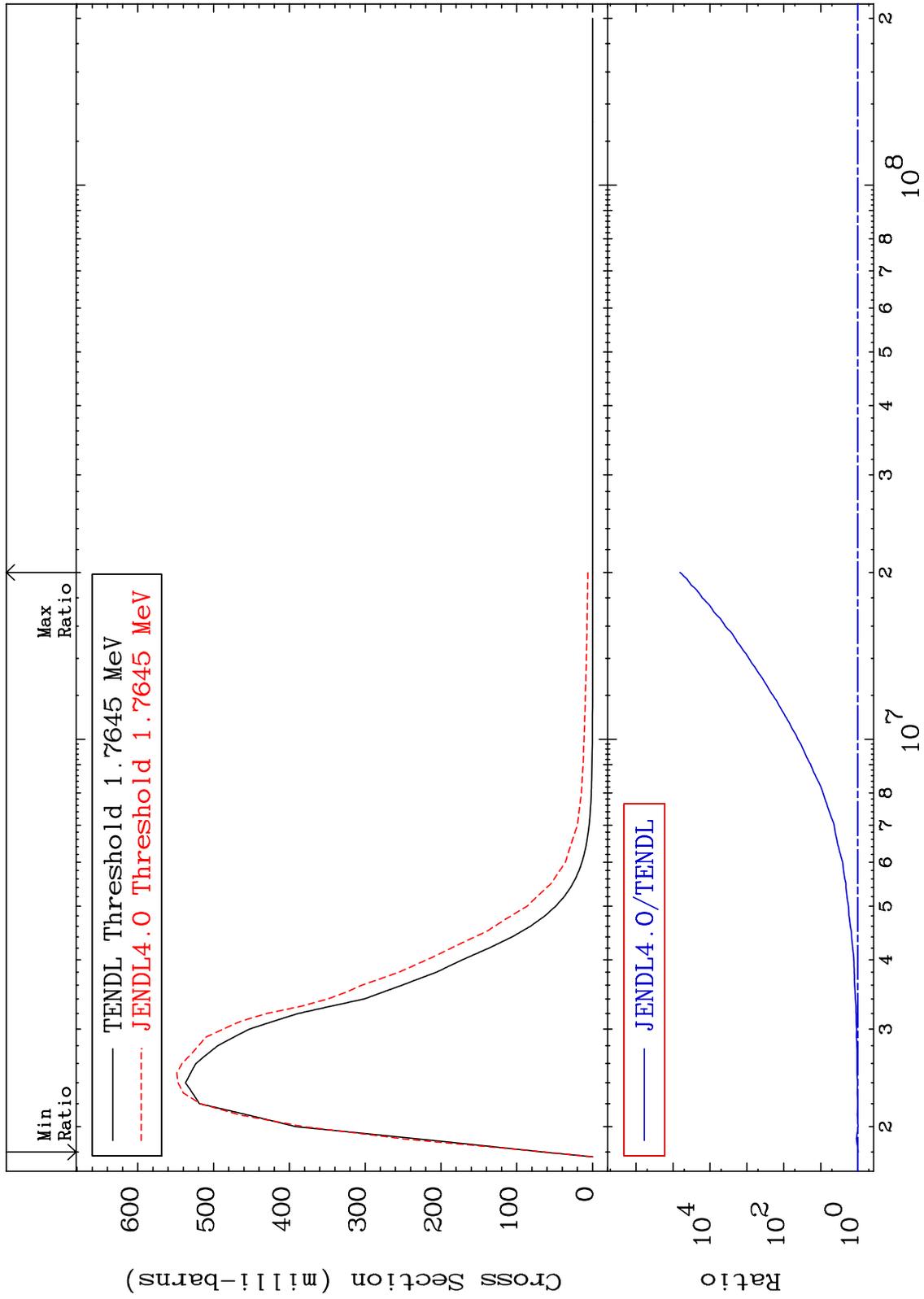
39-Y -89
-5.593 To 9999. %



MAT 3925

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

39-Y -89
-4.311 To 9999. %



10

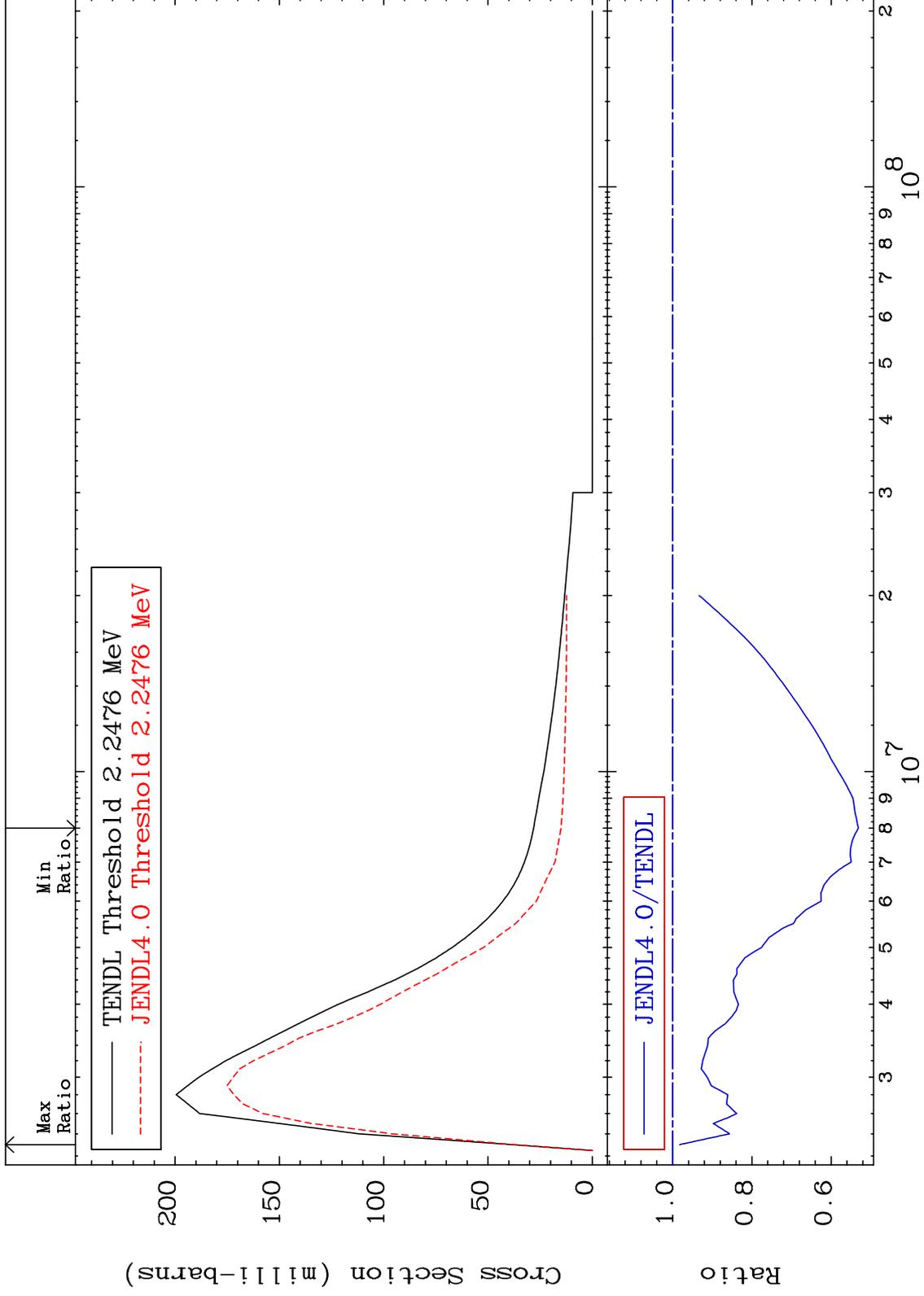
Incident Energy (eV)

39-Y -89

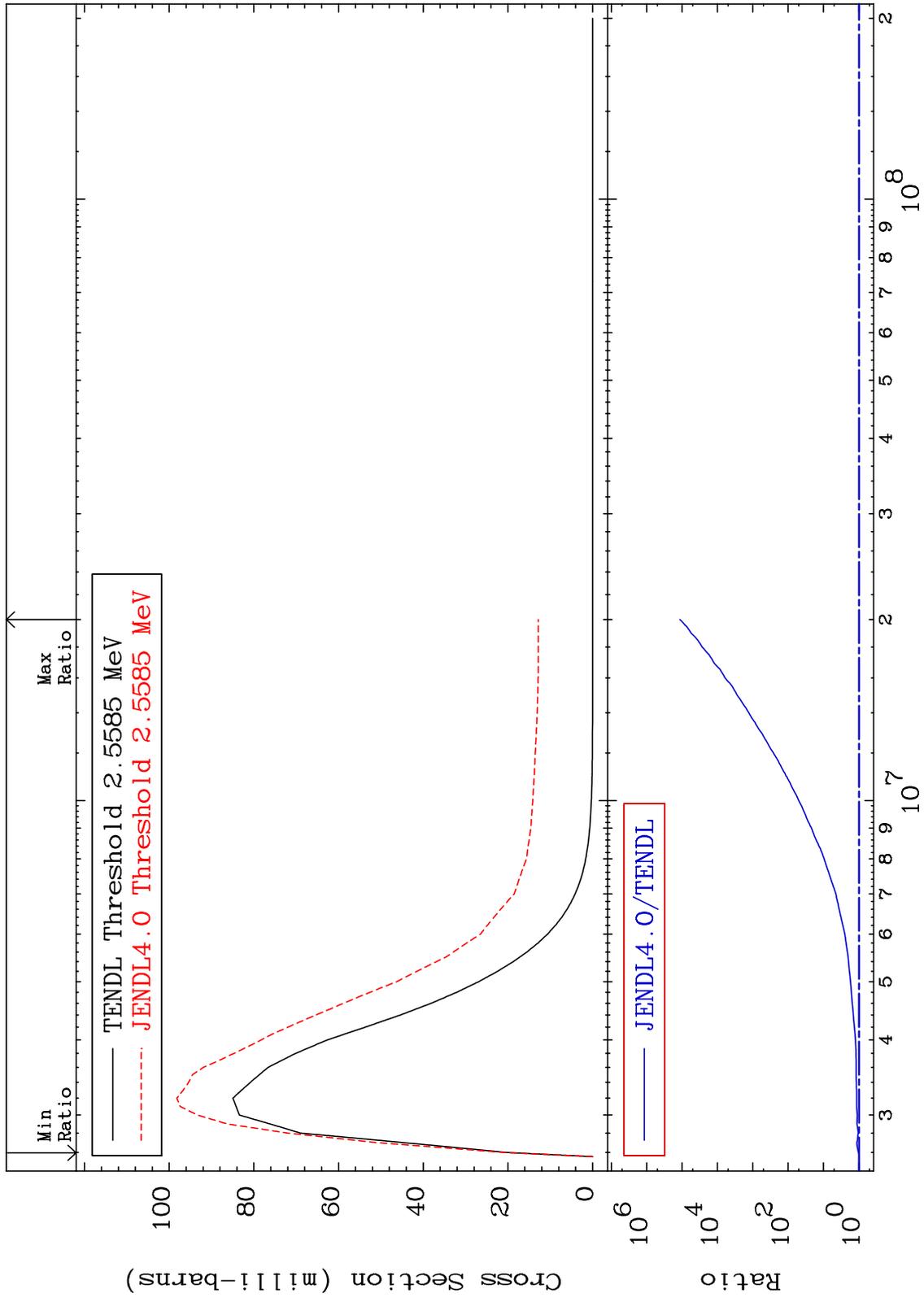
MAT 3925

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

39-Y -89
-46.87 To -1.781%



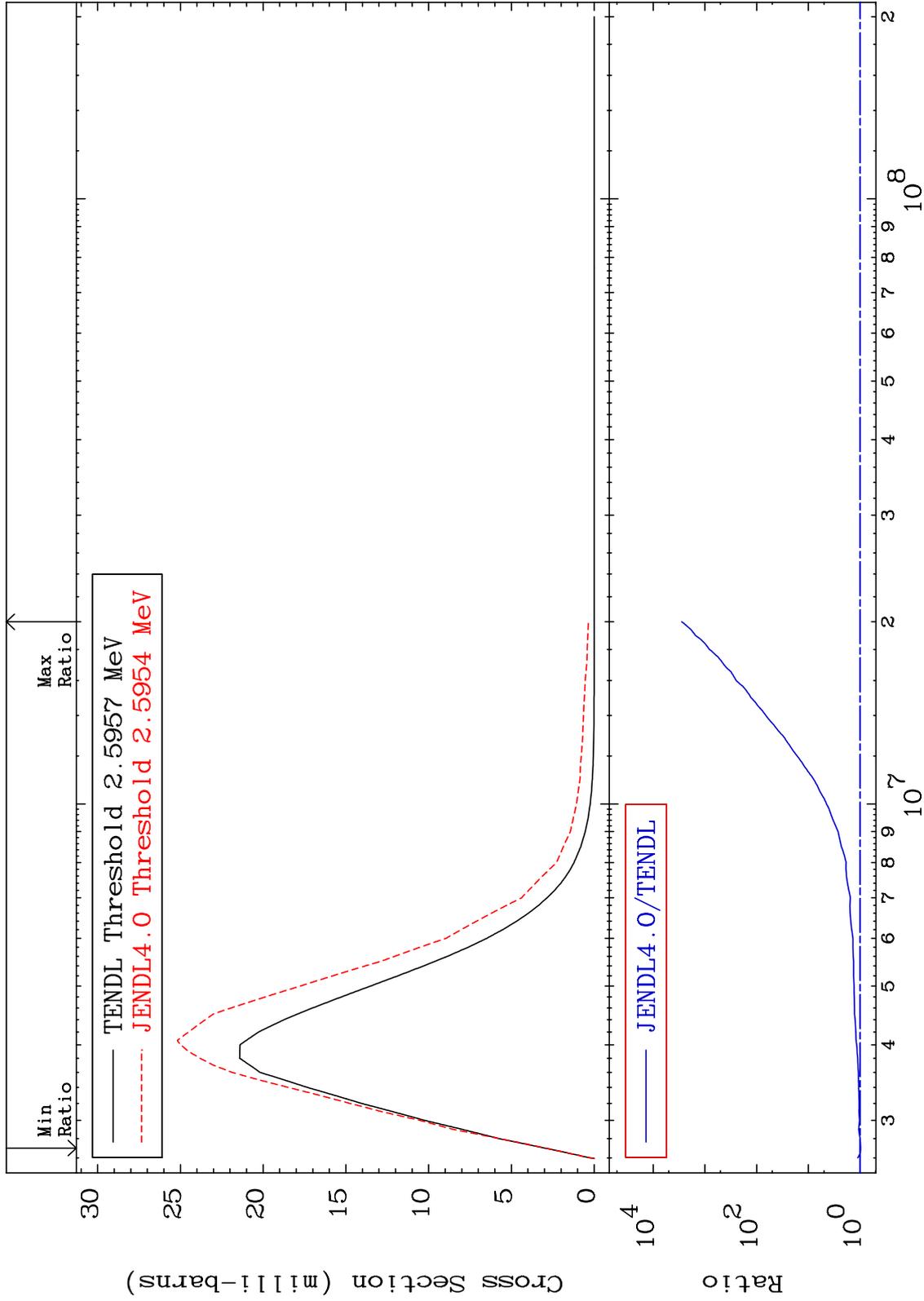
MAT 3925 MT= 55 (n,n') Level Cross Section 3.310 To 9999. % 39-Y -89



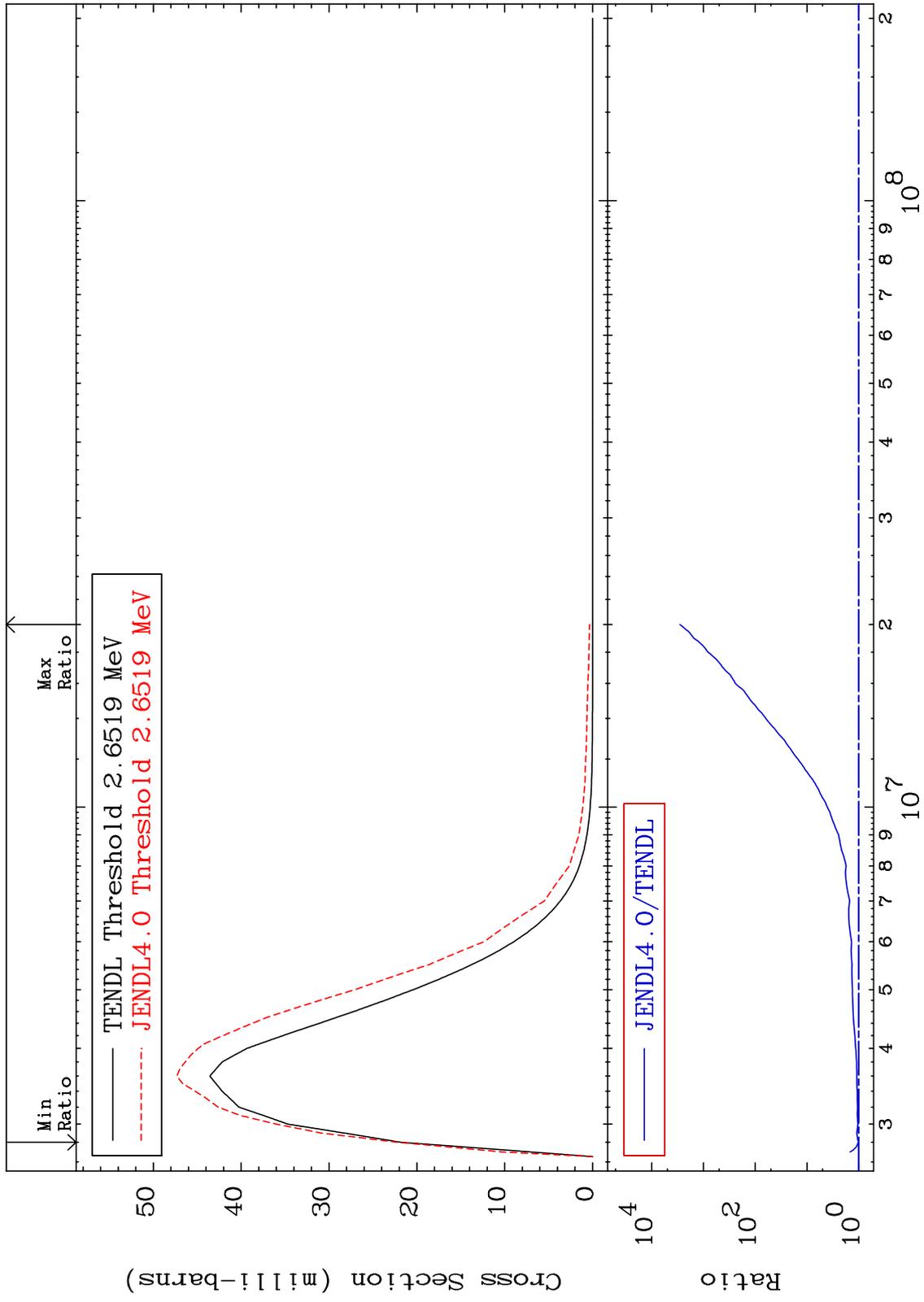
MAT 3925

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

39-Y -89
-2.233 To 9999. %



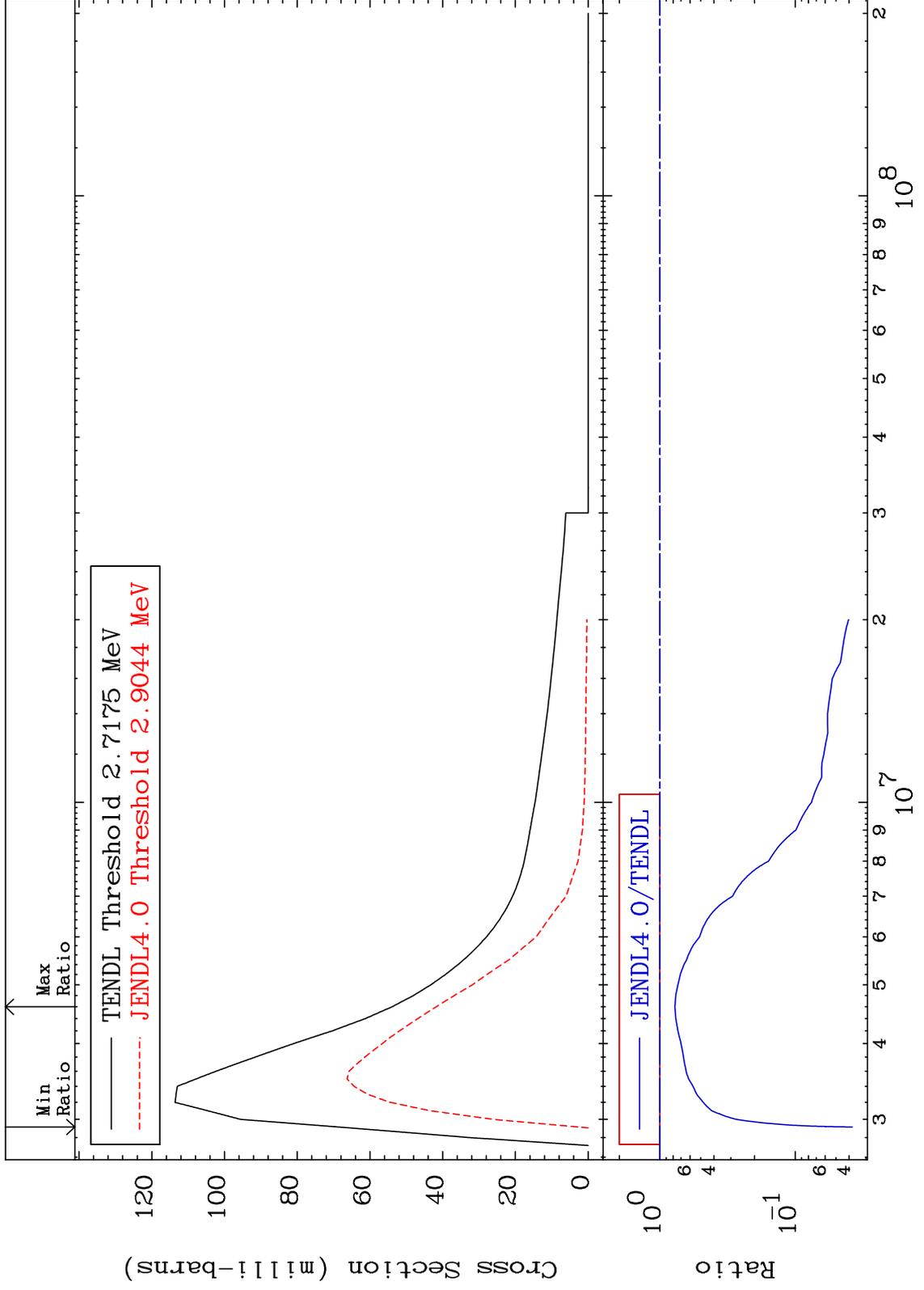
MAT 3925 MT= 57 (n,n') Level Cross Section 1.583 To 9999. % 39-Y -89



MAT 3925

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

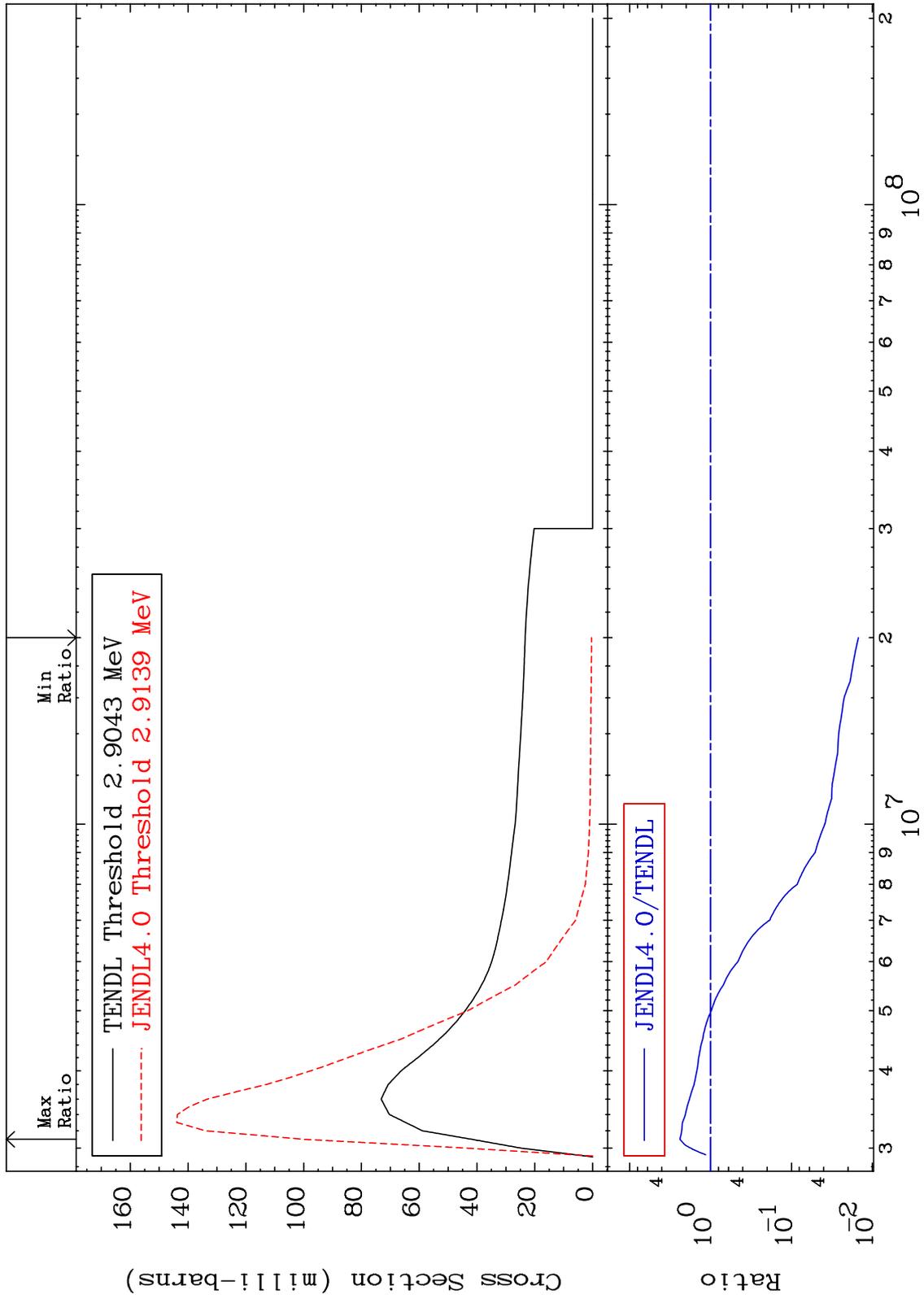
39-Y -89
-96.21 To -22.45%



MAT 3925

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

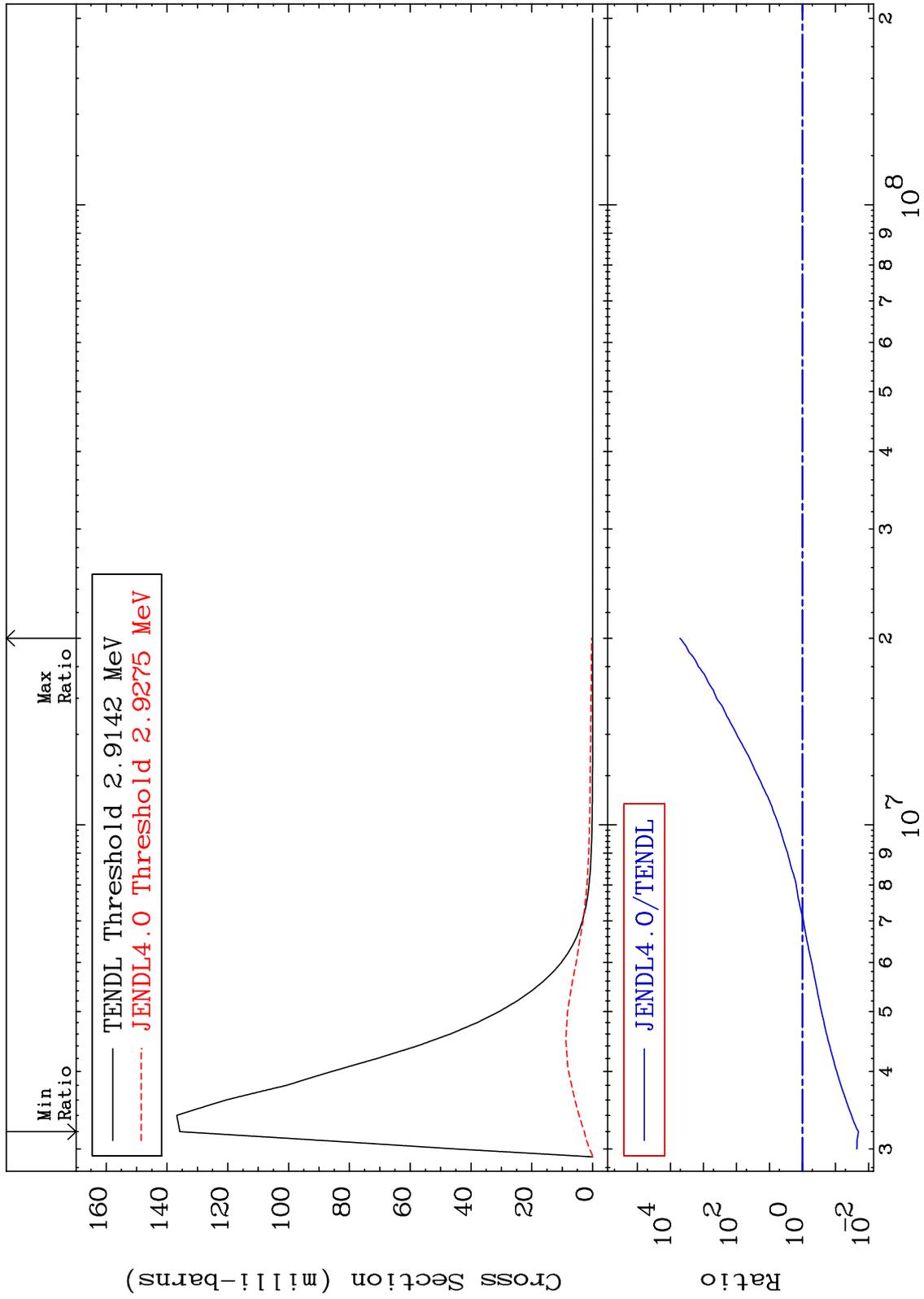
39-Y -89
-98.51 To 138.9 %



MAT 3925

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

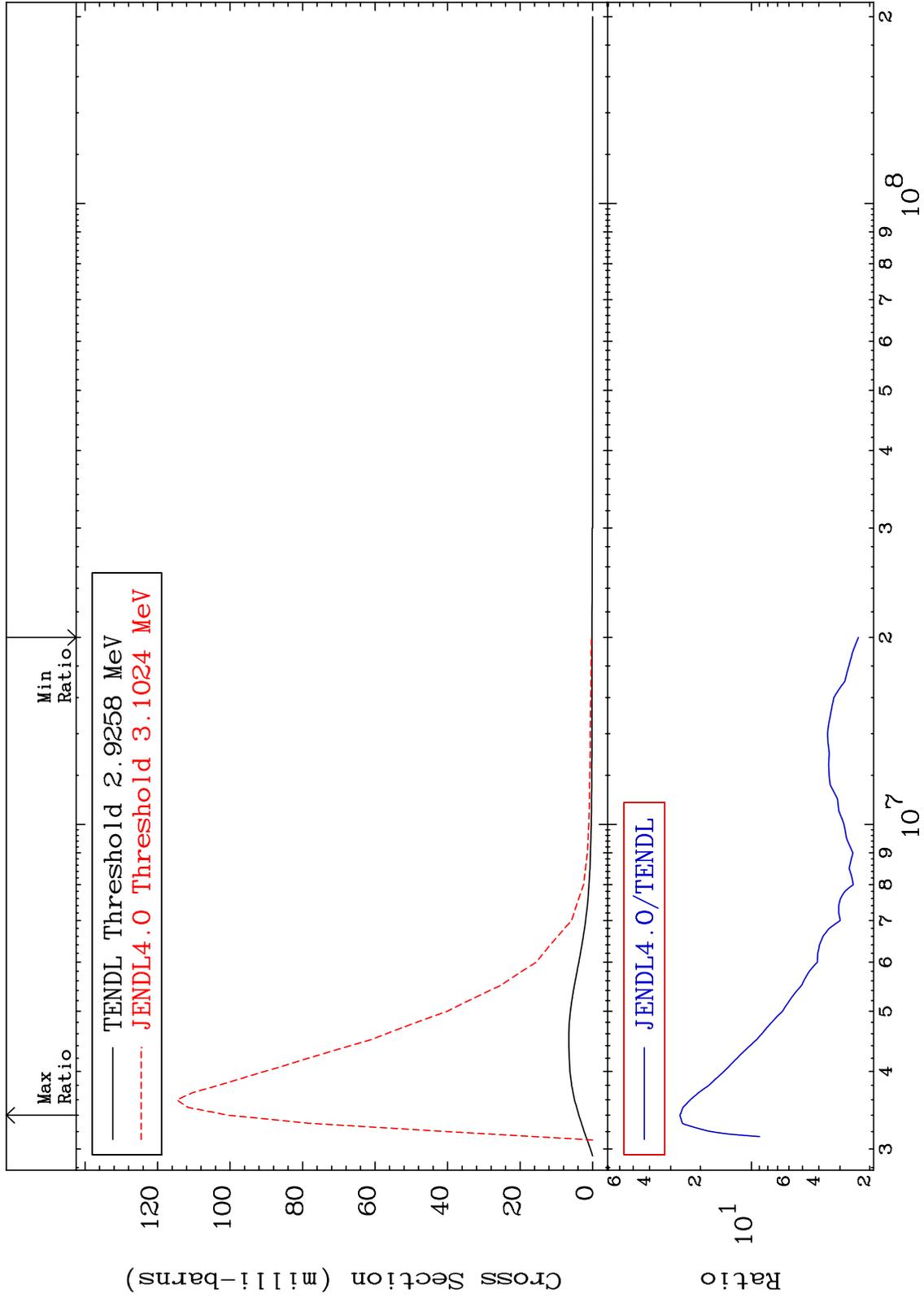
39-Y -89
-97.98 To 9999. %



MAT 3925

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

133.5 To 2544. %
39-Y -89



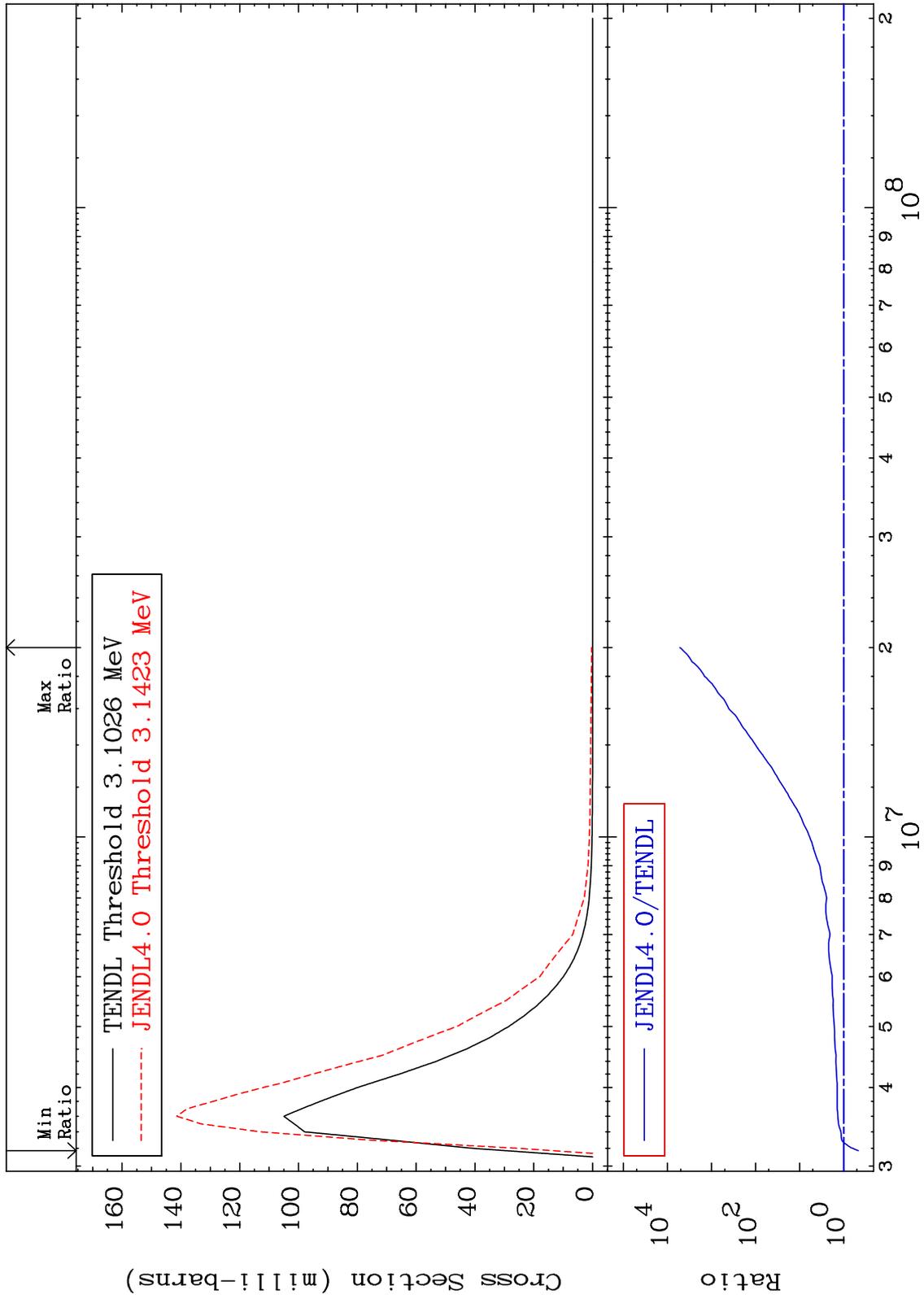
18

39-Y -89

MAT 3925

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

39-Y -89
-53.80 To 9999. %



19

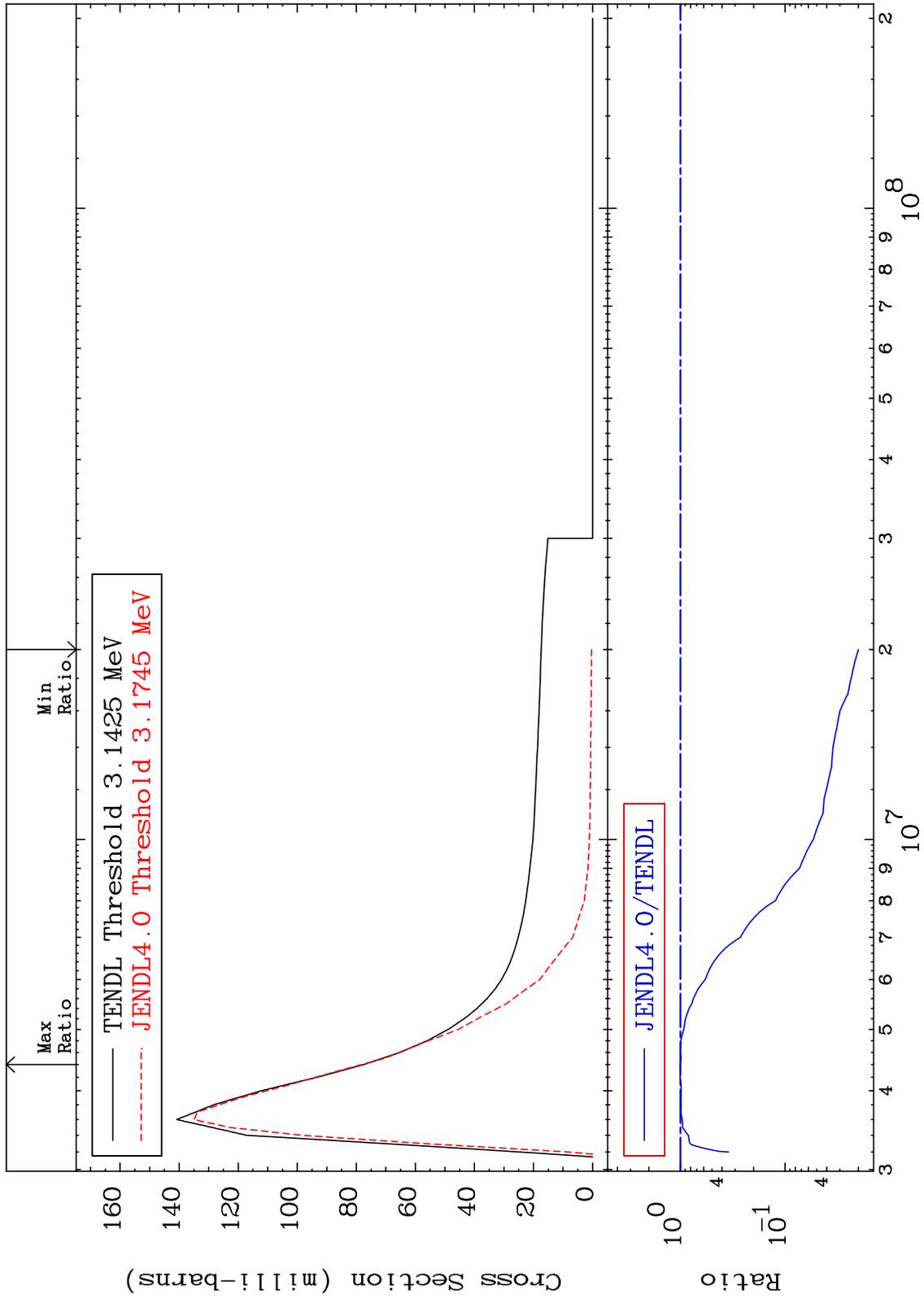
Incident Energy (eV)

39-Y -89

MAT 3925

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

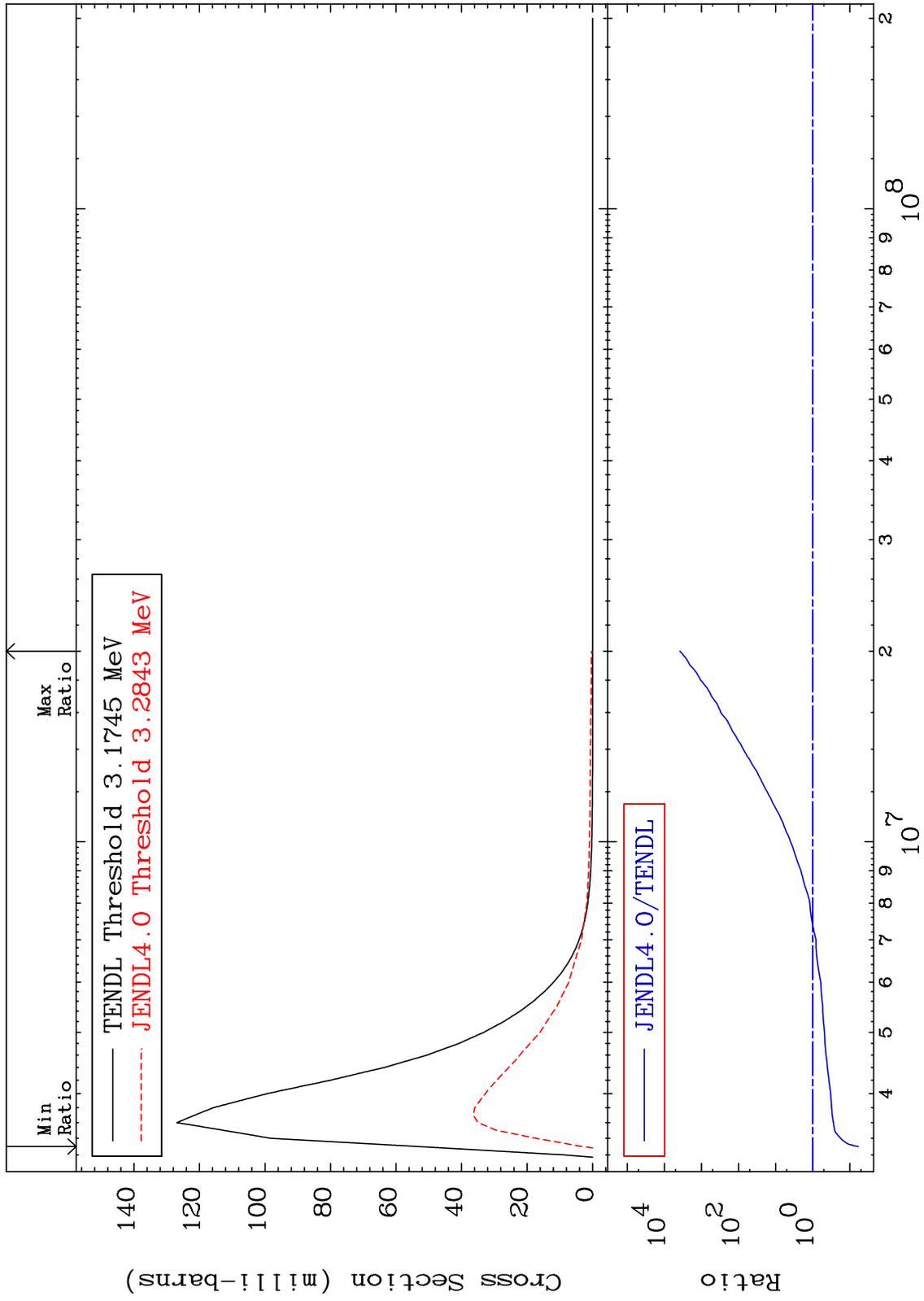
39-Y -89
-98.00 To 1.073 %



MAT 3925

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

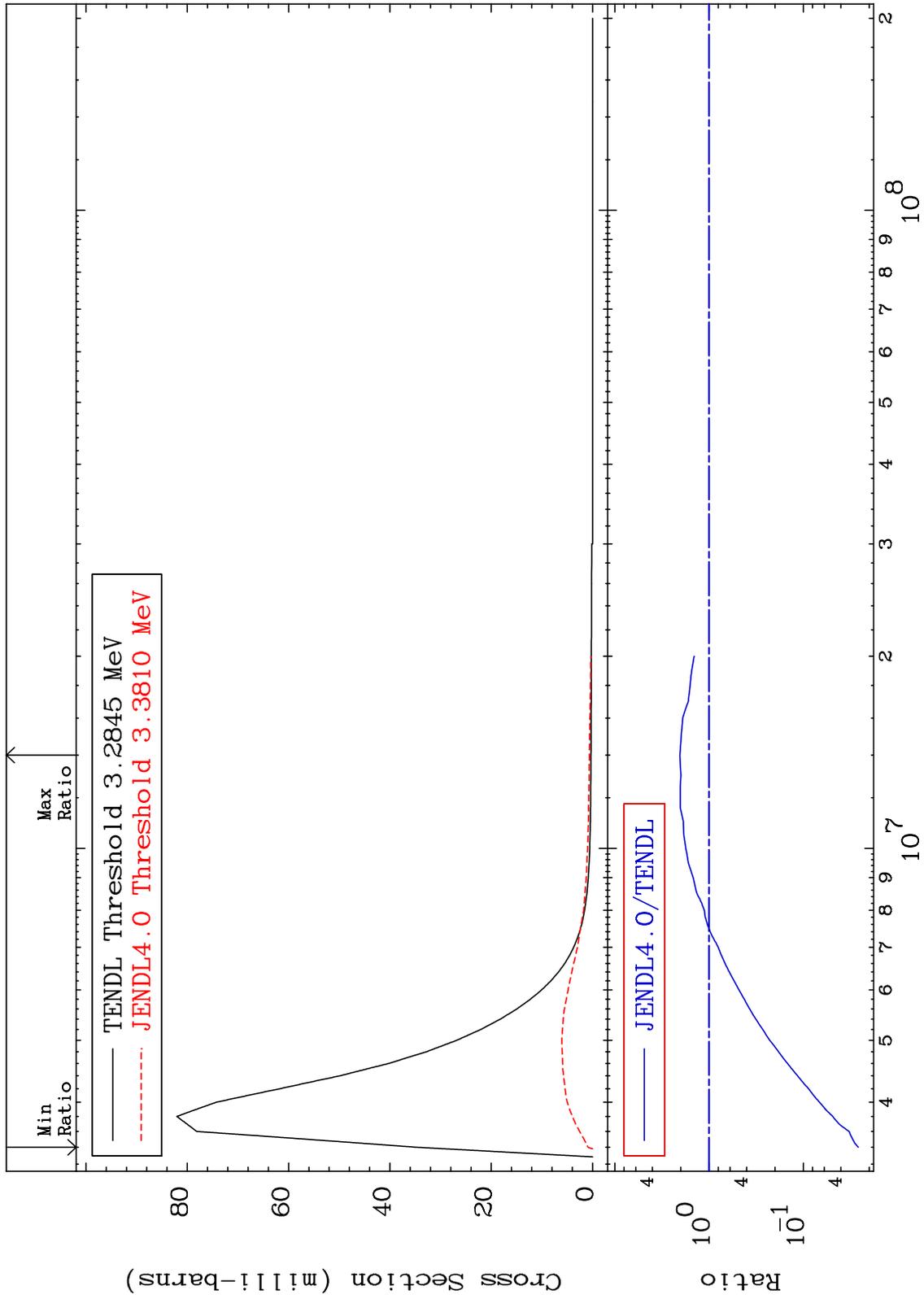
39-Y -89
-94.11 To 9999. %



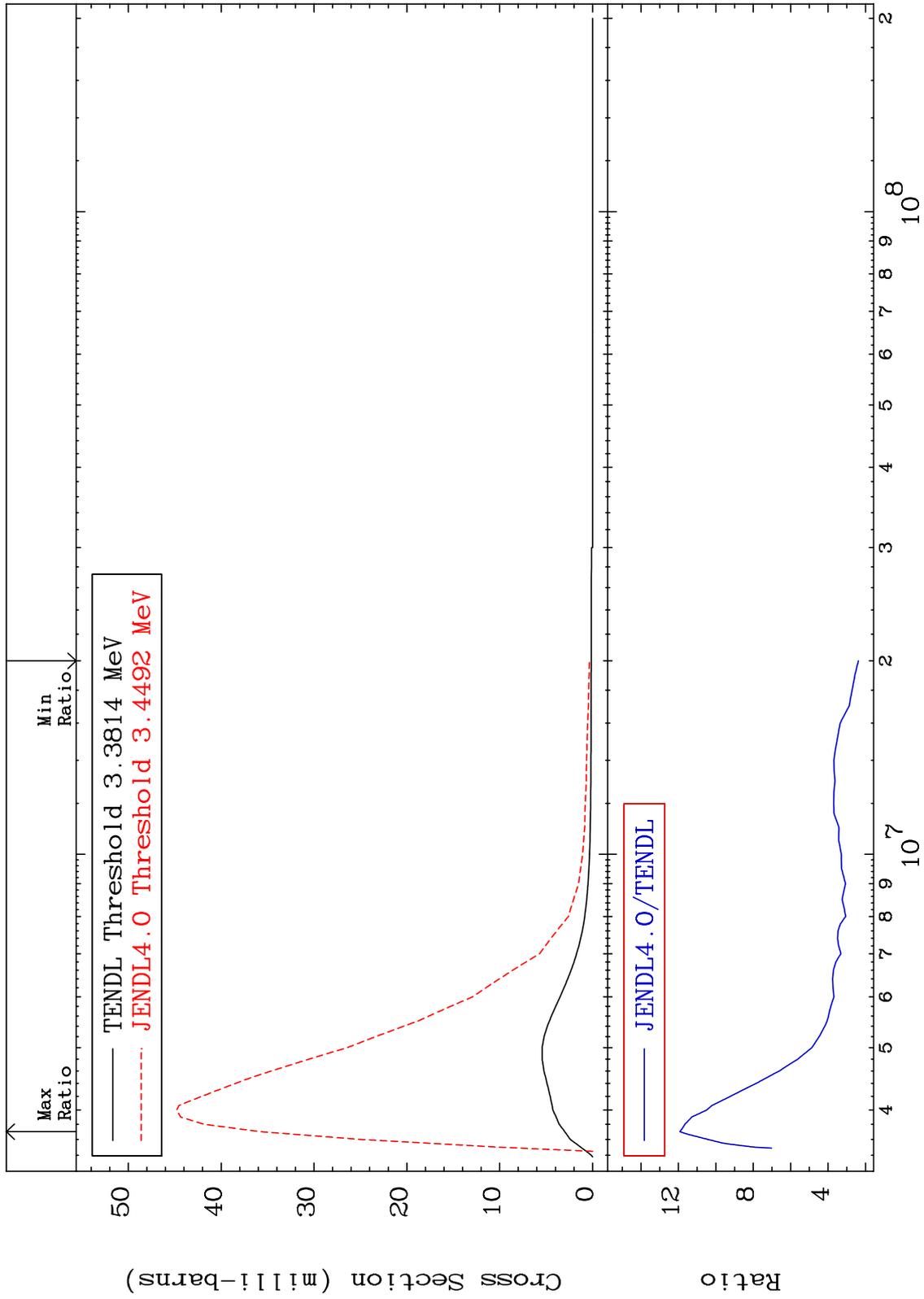
MAT 3925

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

39-Y -89
-97.40 To 103.8 %



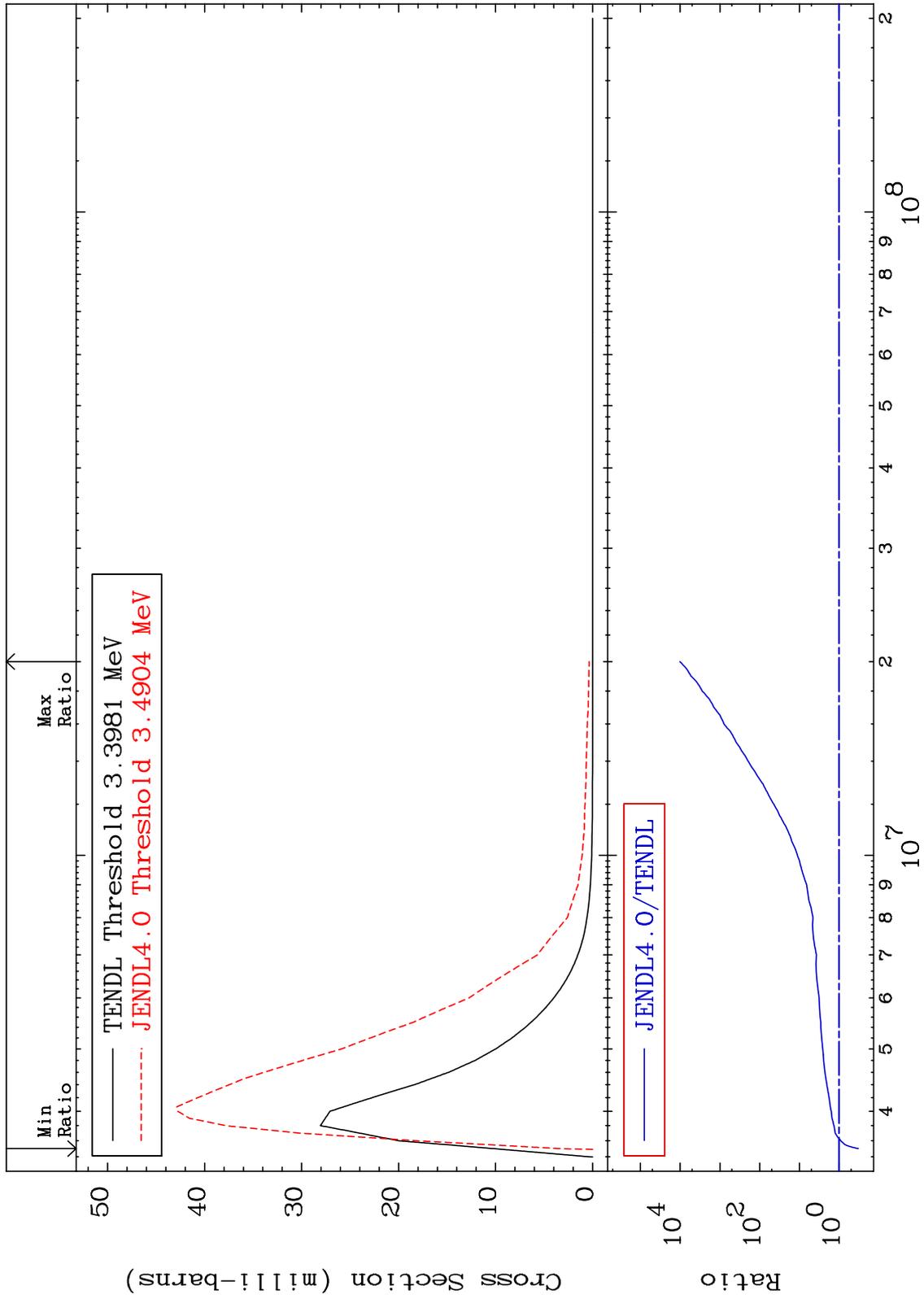
MAT 3925 MT= 66 (n,n') Level Cross Section 137.8 To 1092. % 39-Y -89



MAT 3925

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

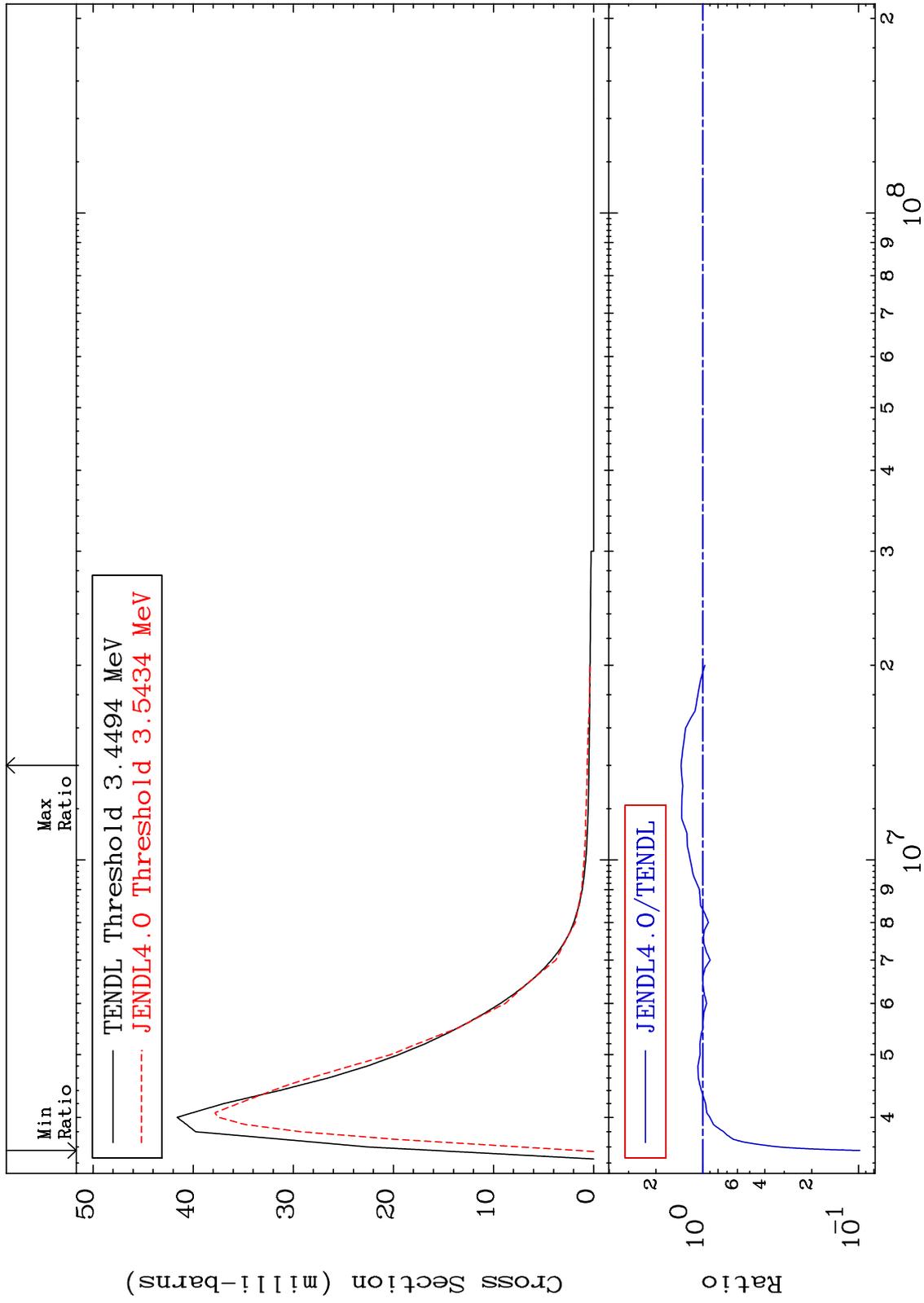
39-Y -89
-67.17 To 9999. %



MAT 3925

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

39-Y -89
-90.18 To 37.86 %



25

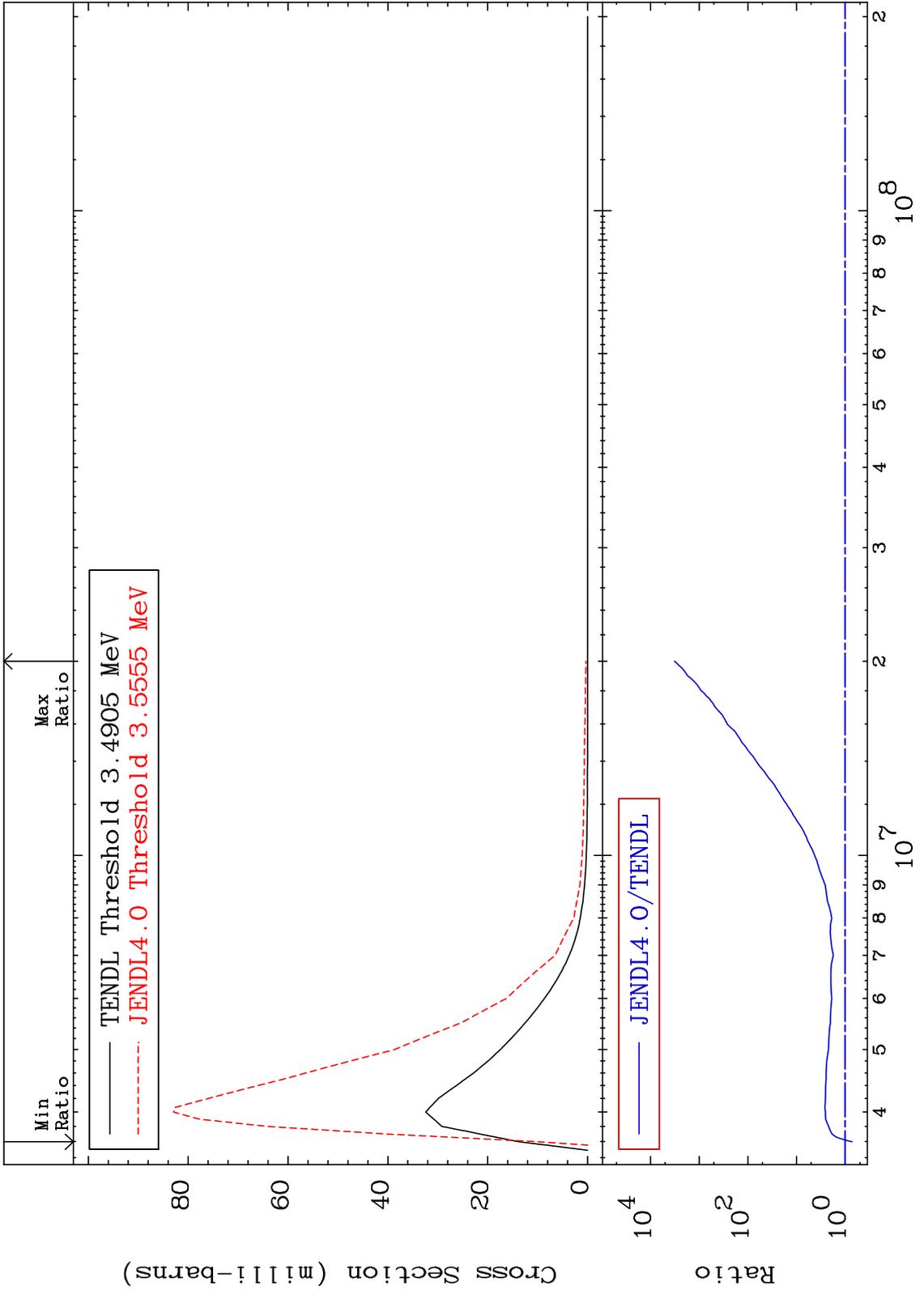
Incident Energy (eV)

39-Y -89

MAT 3925

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

39-Y -89
-28.14 To 9999. %



26

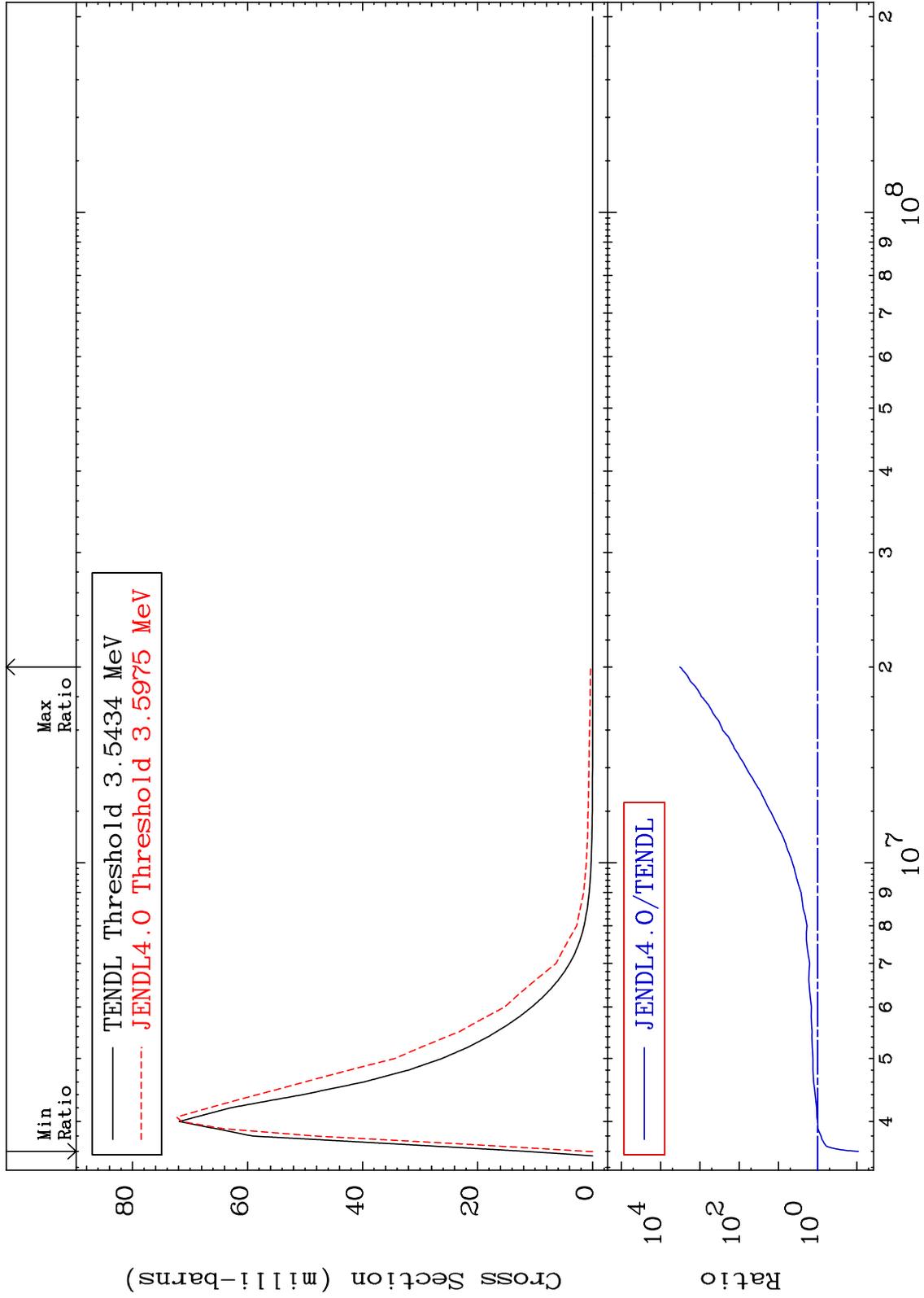
Incident Energy (eV)

39-Y -89

MAT 3925

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

39-Y -89
-90.85 To 9999. %



27

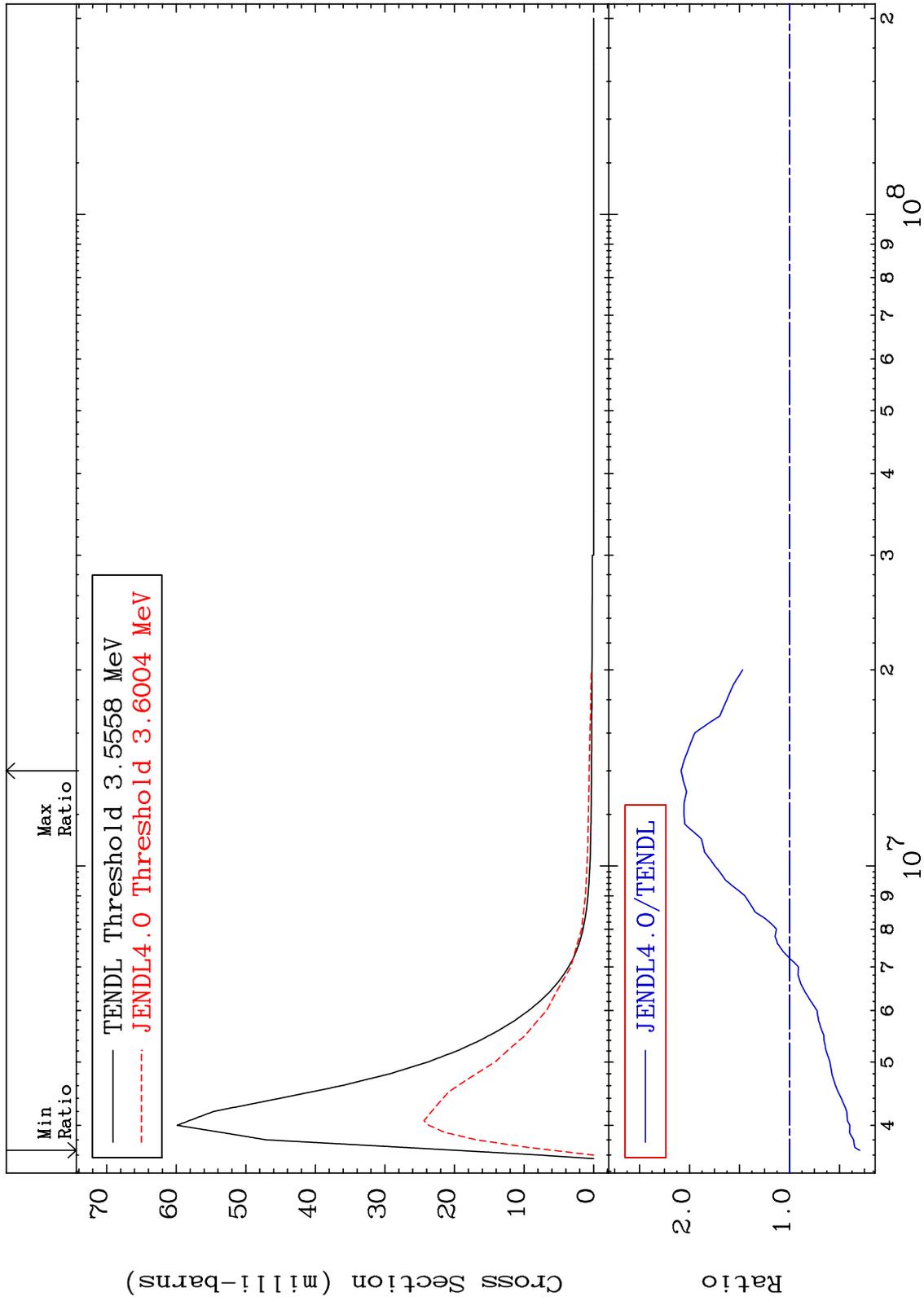
Incident Energy (eV)

39-Y -89

MAT 3925

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

39-Y -89
-70.48 To 108.4 %



28

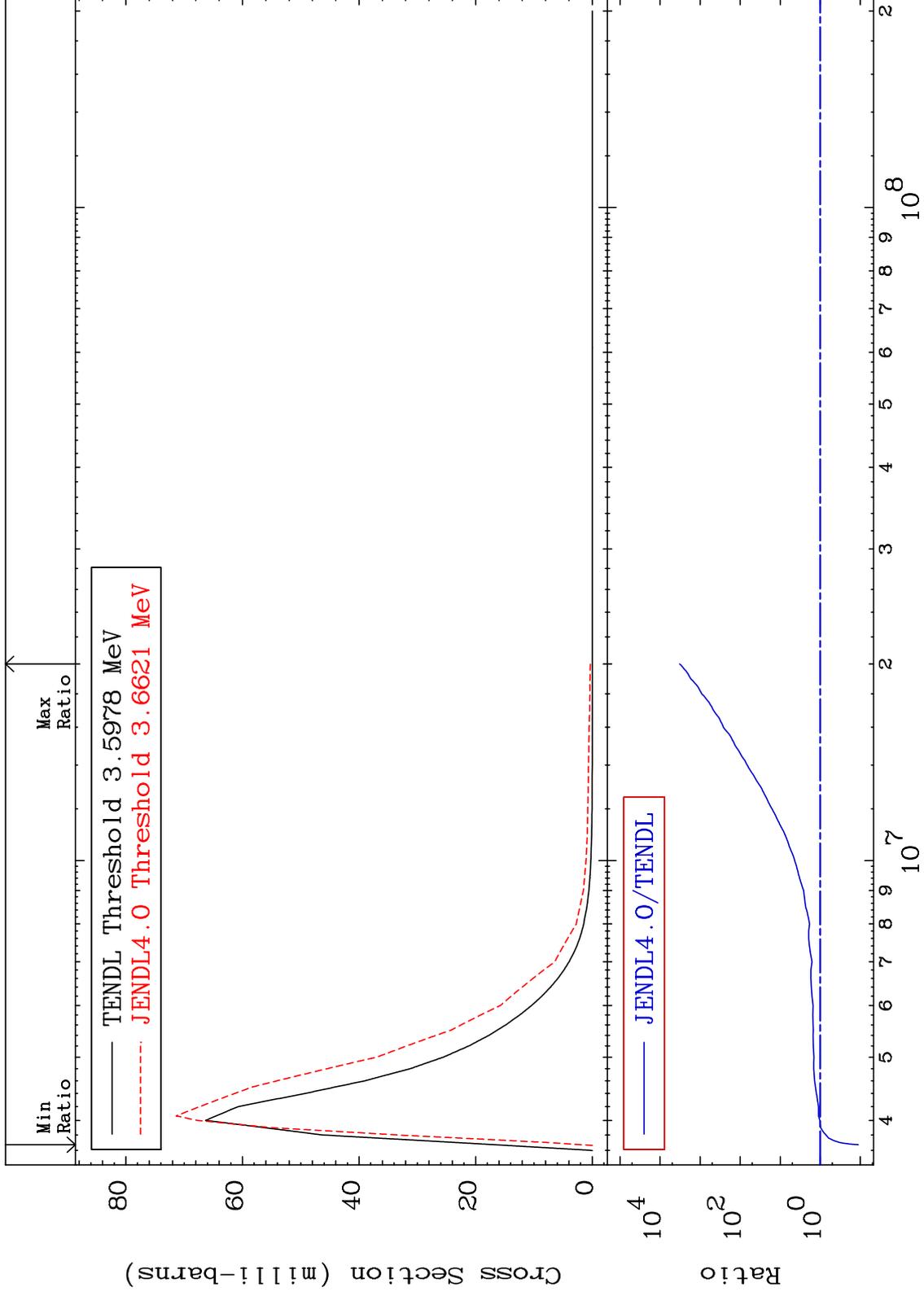
Incident Energy (eV)

39-Y -89

MAT 3925

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

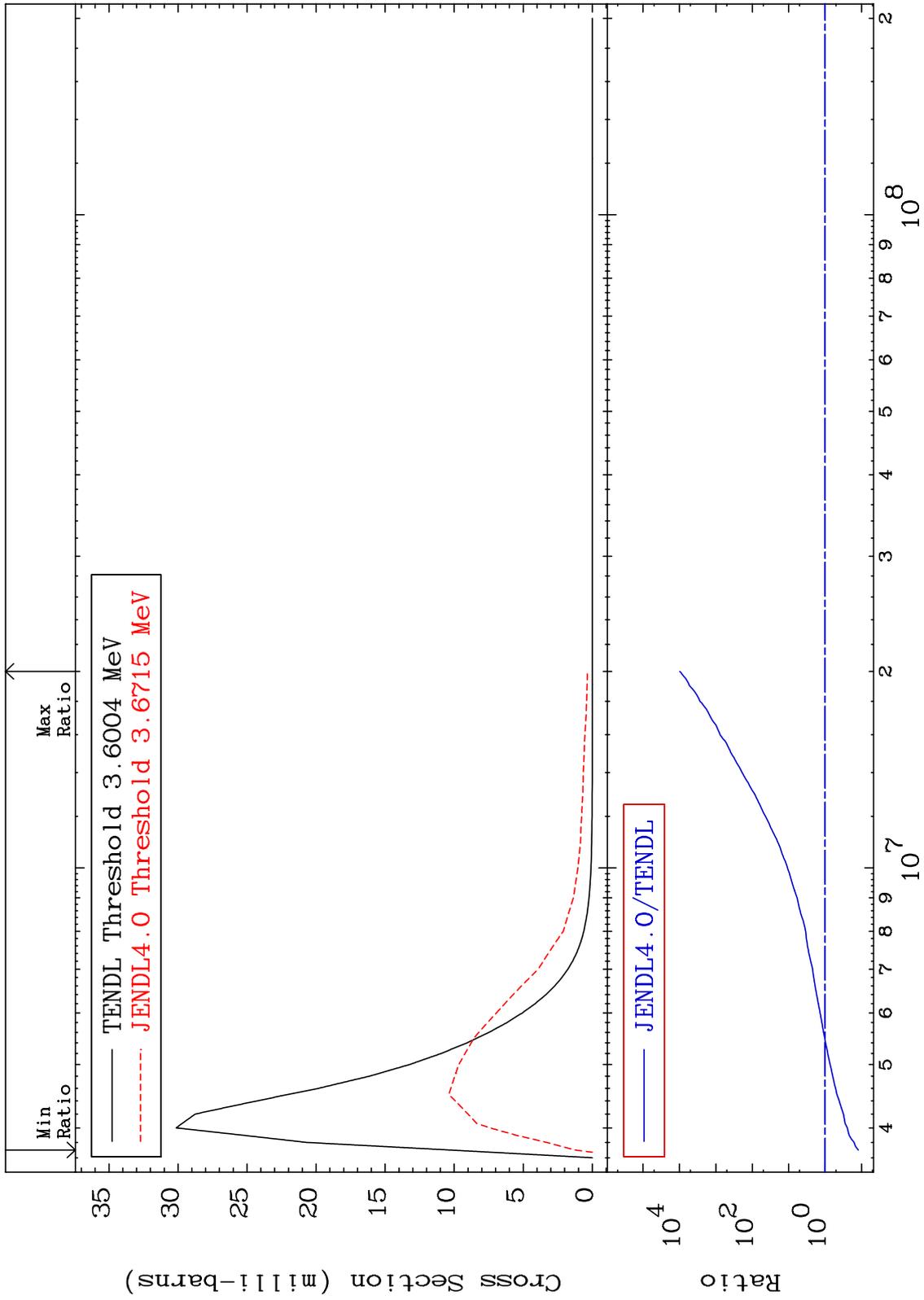
39-Y -89
-88.78 To 9999. %



MAT 3925

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

39-Y -89
-87.77 To 9999. %



30

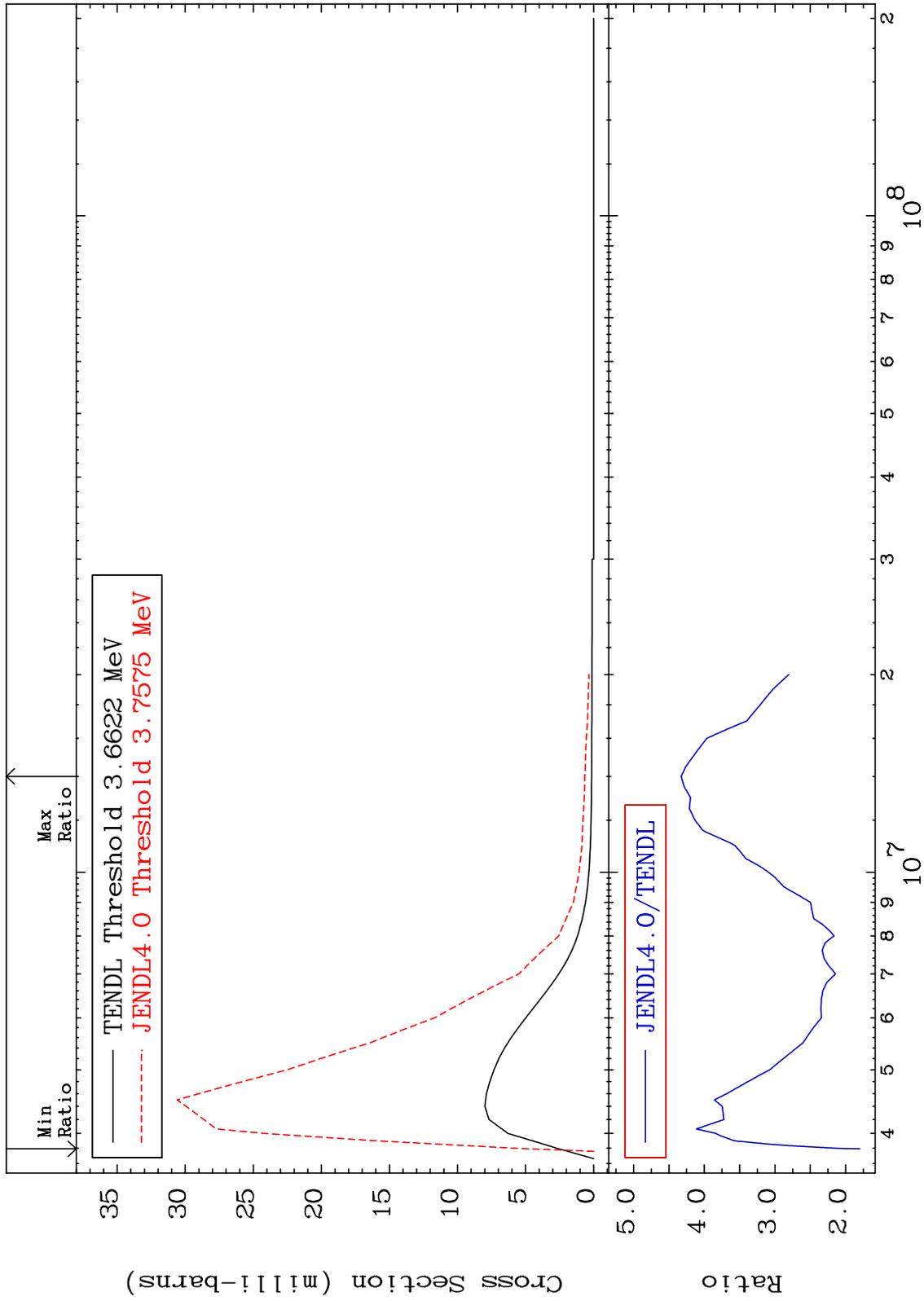
Incident Energy (eV)

39-Y -89

MAT 3925

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

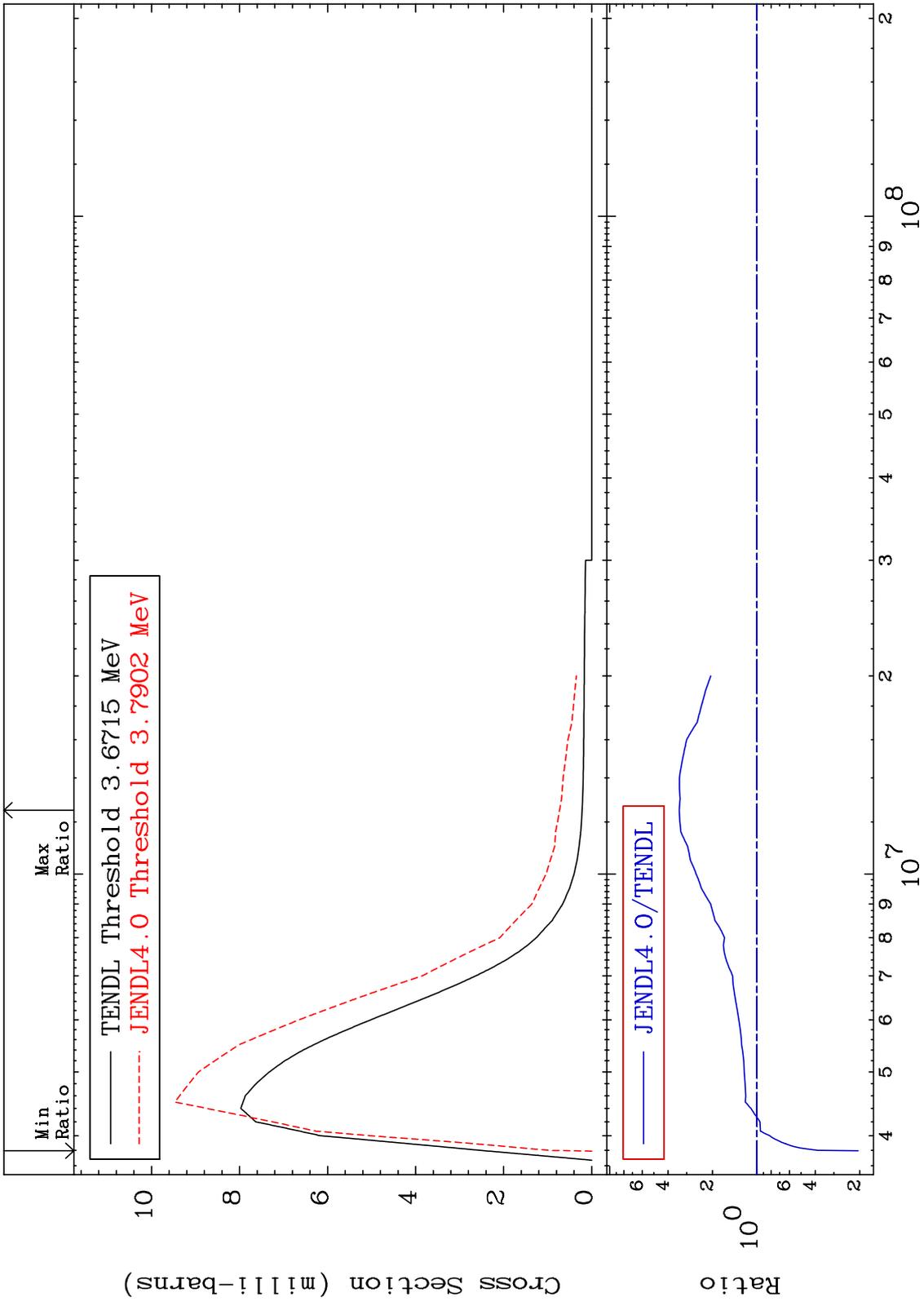
79.90 To 332.8 %
39-Y -89



MAT 3925

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

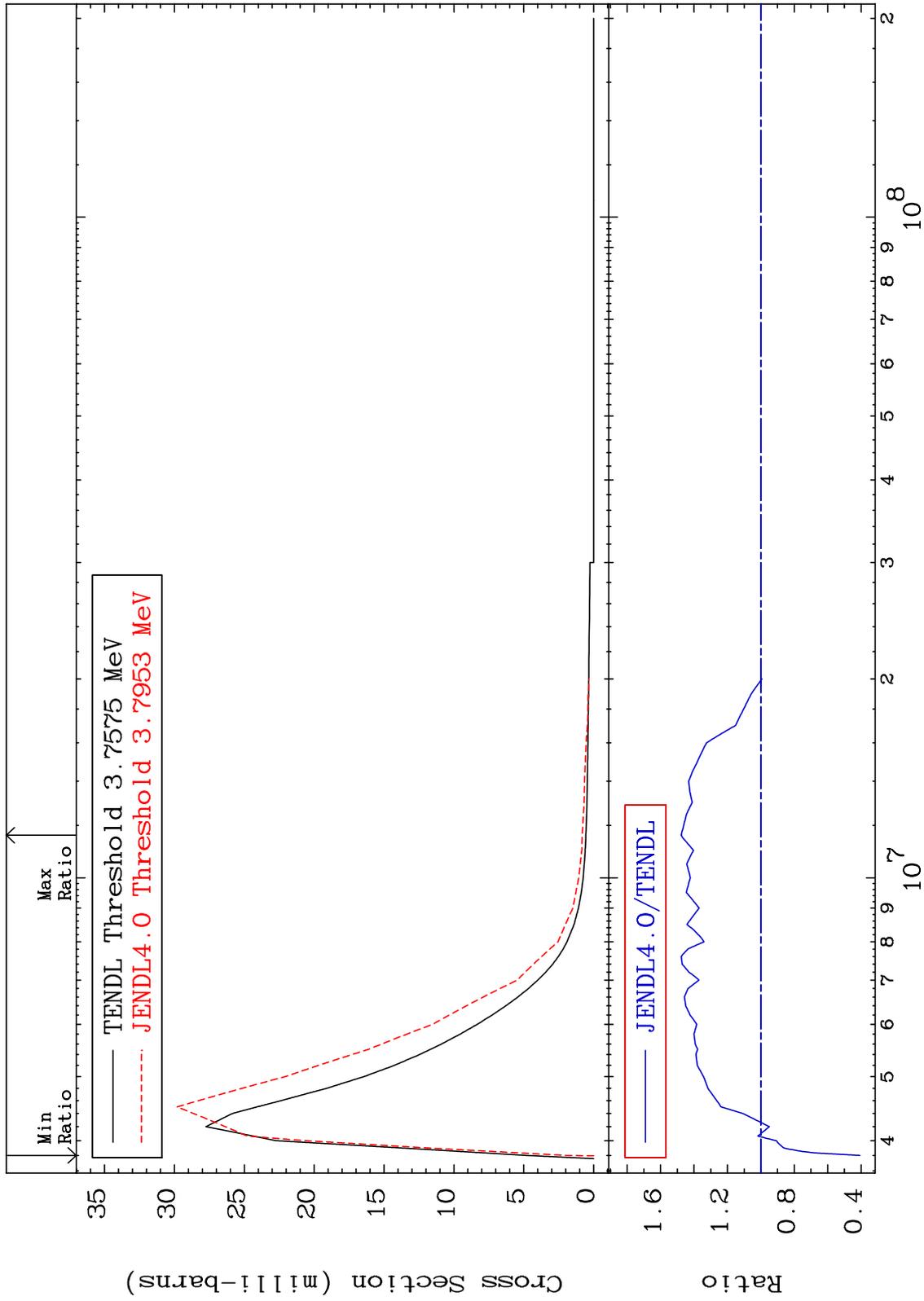
39-Y -89
-79.53 To 236.2 %



MAT 3925

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

39-Y -89
-59.27 To 47.68 %



33

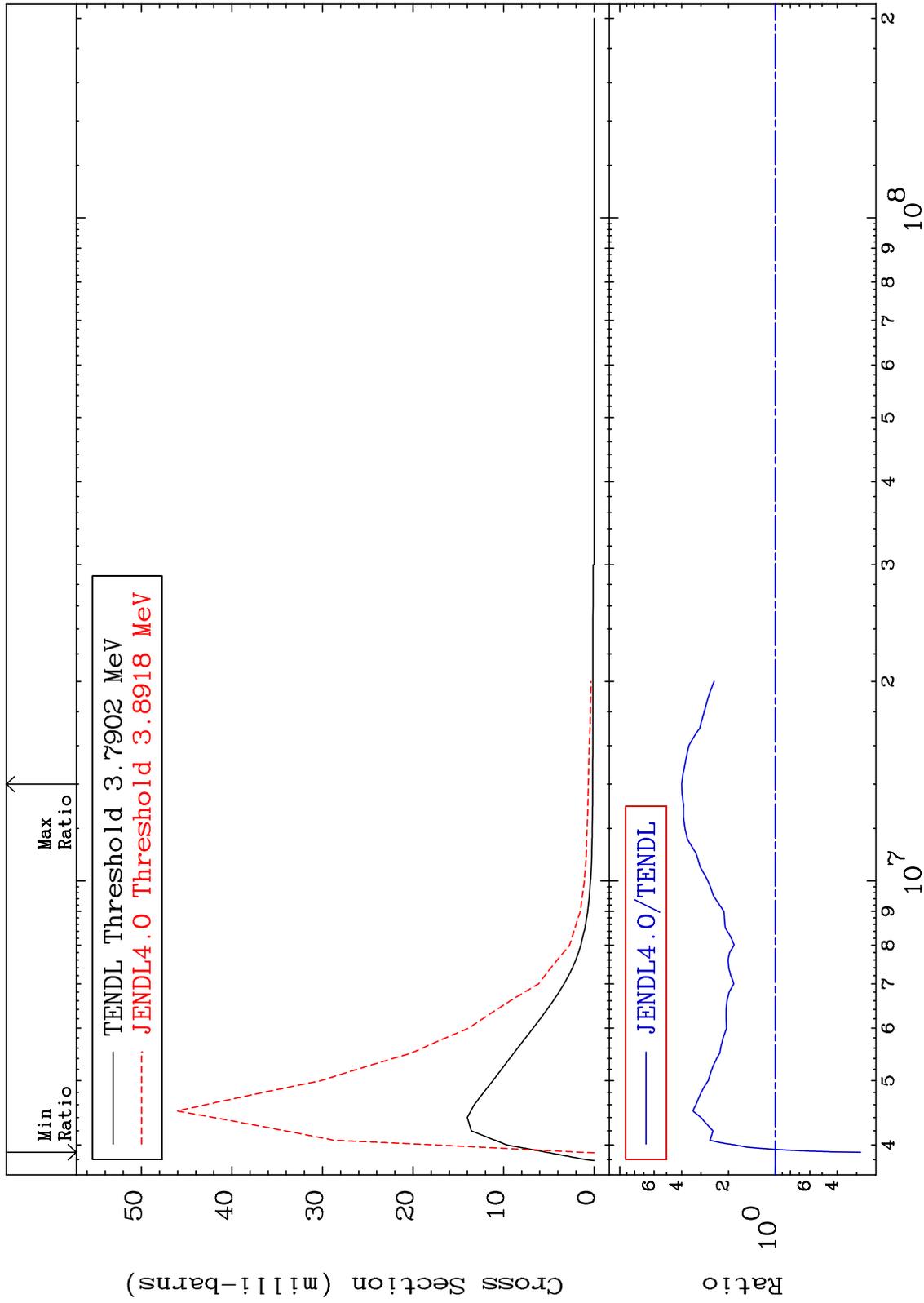
Incident Energy (eV)

39-Y -89

MAT 3925

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

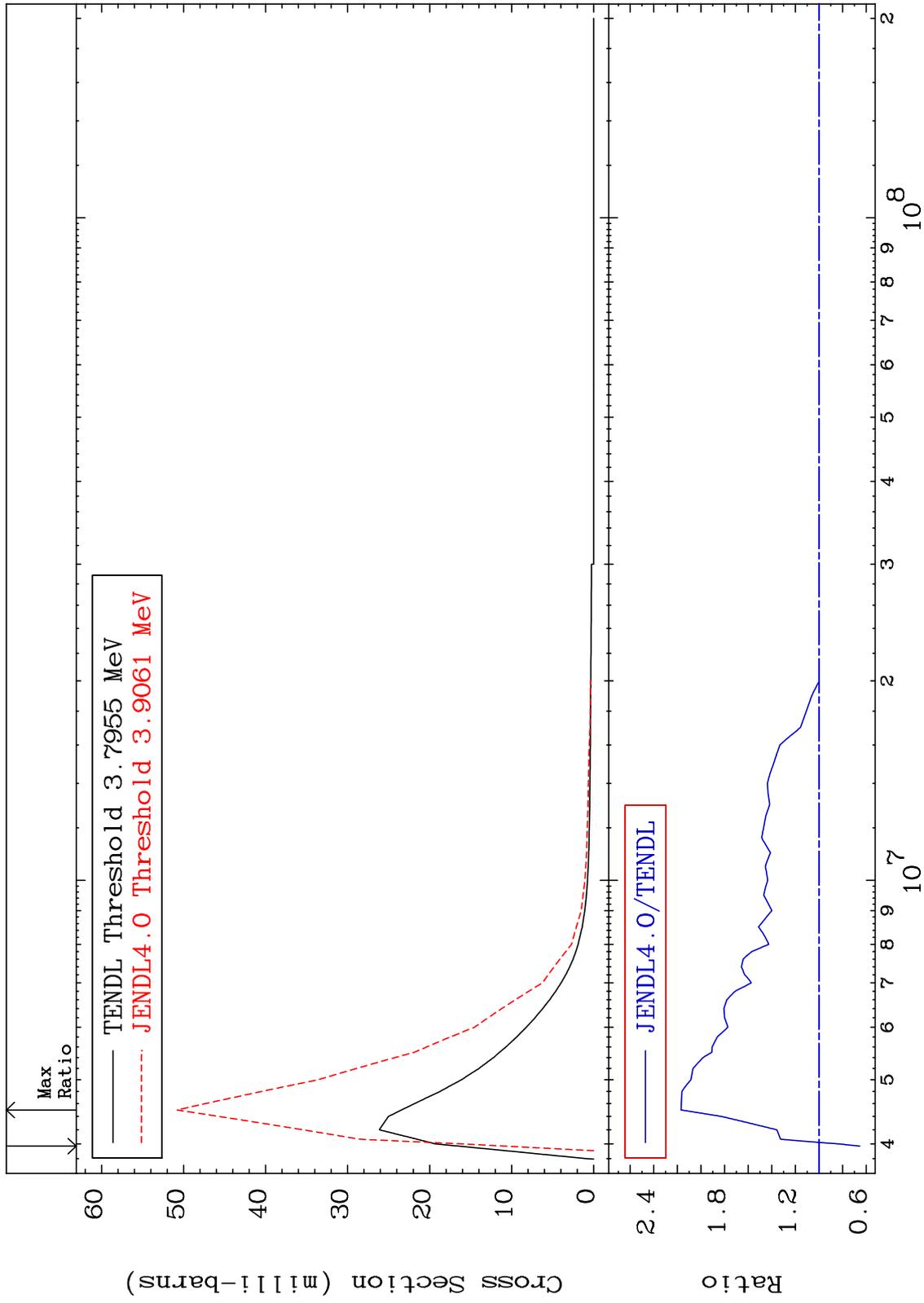
39-Y -89
-71.74 To 299.1 %



MAT 3925

MT= 78 (n,n') Level
Cross Section

39-Y -89
-34.76 To 116.8 %



35

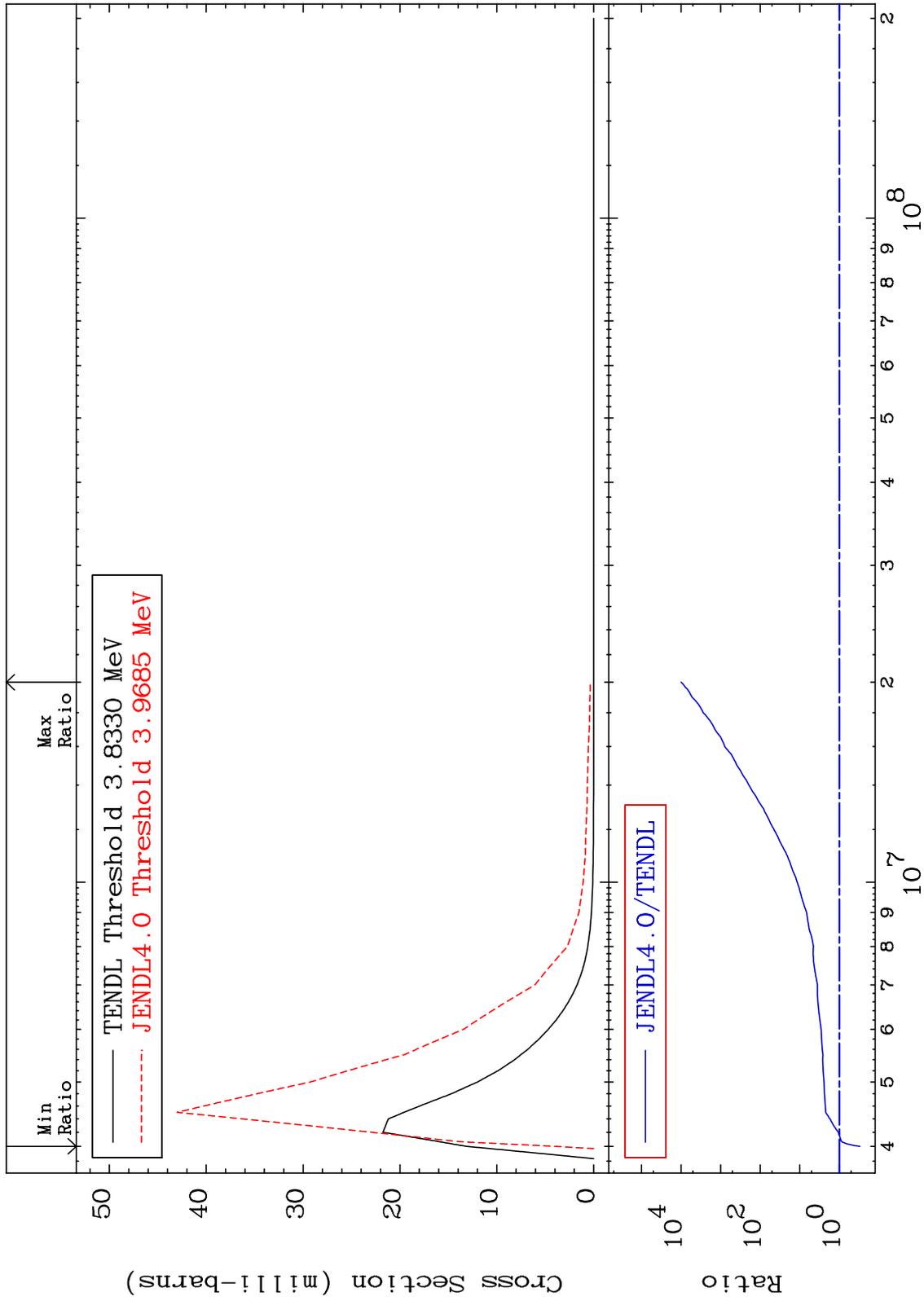
Incident Energy (eV)

39-Y -89

MAT 3925

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

39-Y -89
-69.92 To 9999. %



36

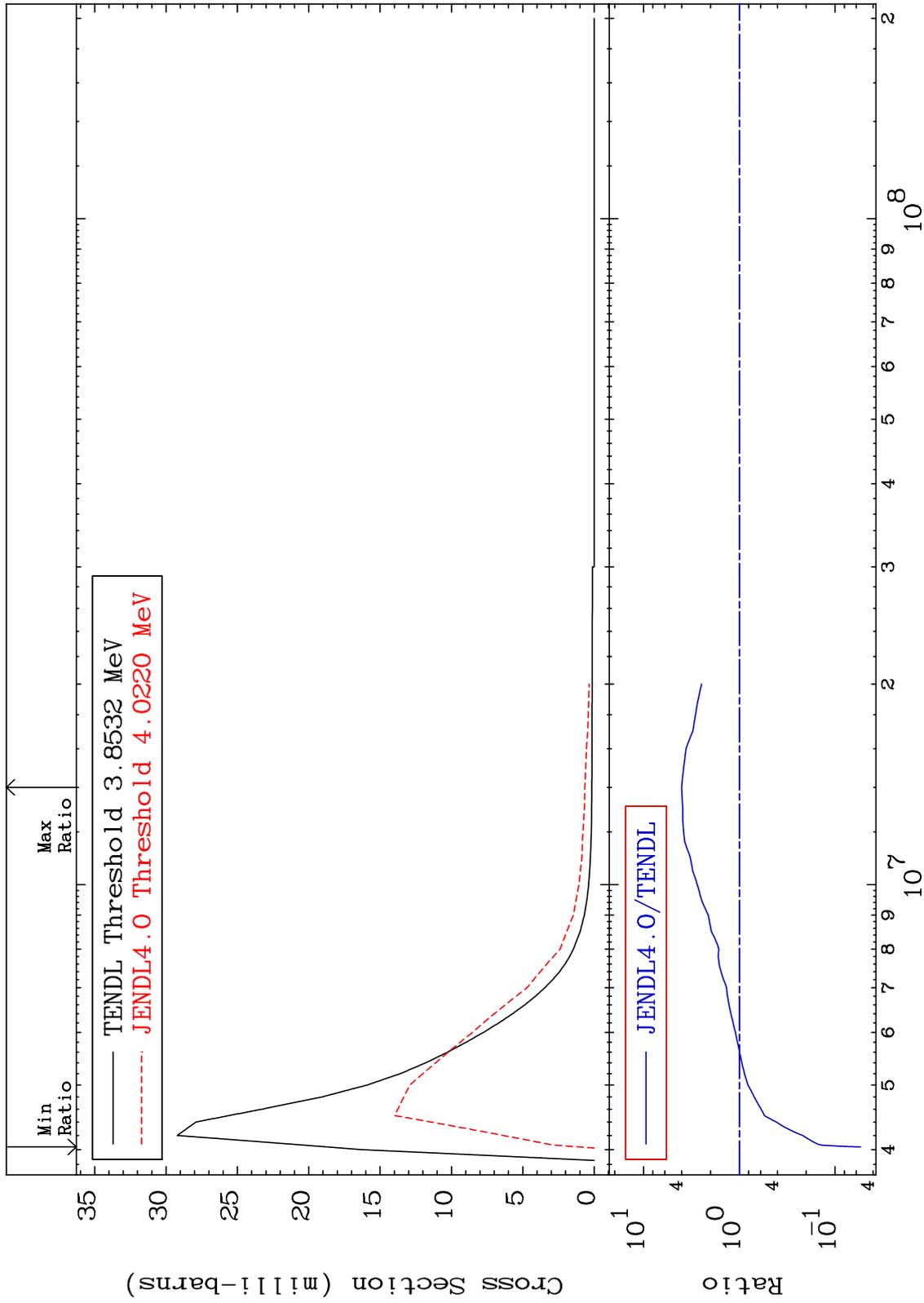
Incident Energy (eV)

39-Y -89

MAT 3925

MT= 80 (n,n') Level
Cross Section

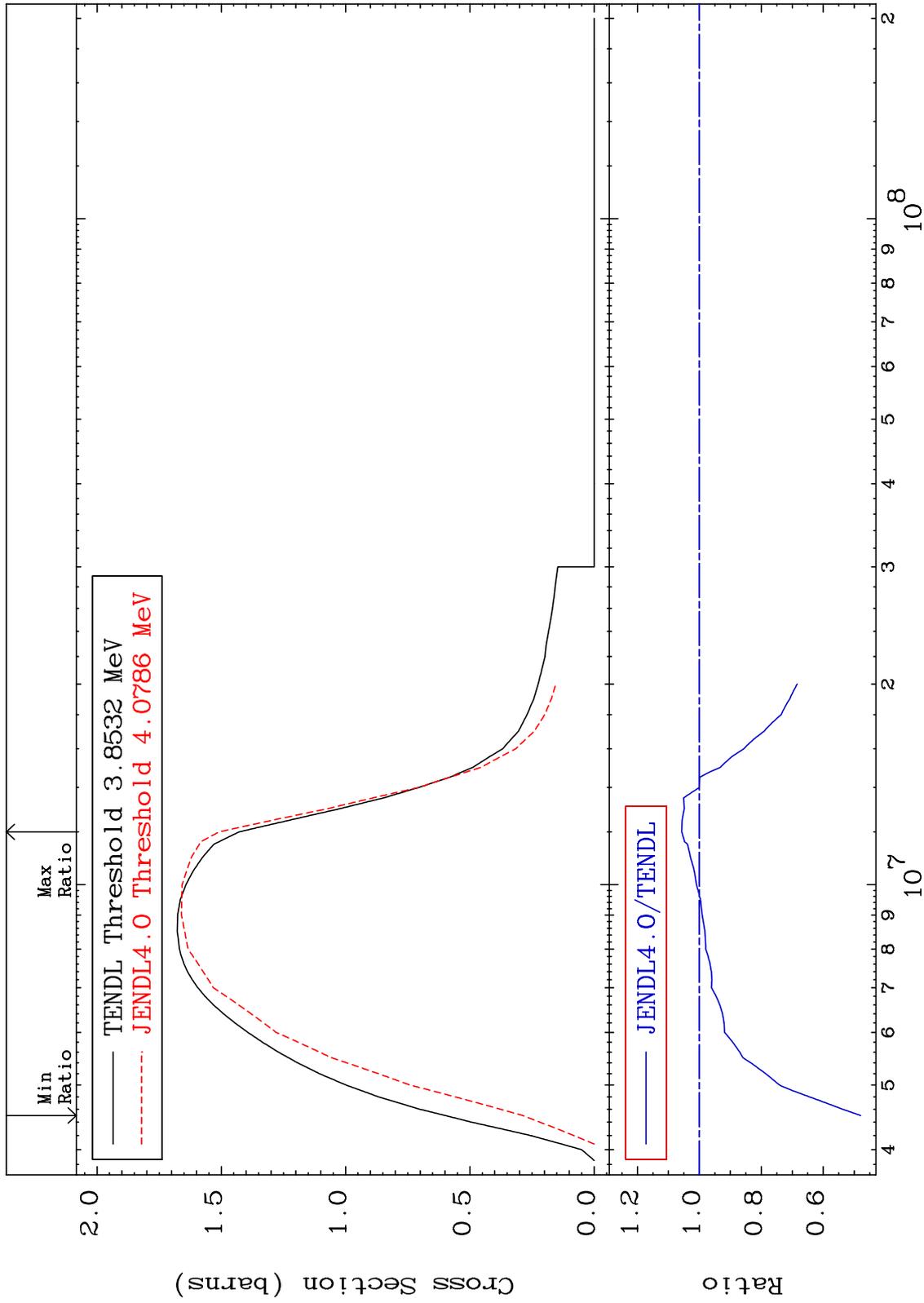
39-Y -89
-94.60 To 299.4 %



MAT 3925

(n, n') Continuum
Cross Section

39-Y -89
-52.08 To 5.693 %



38

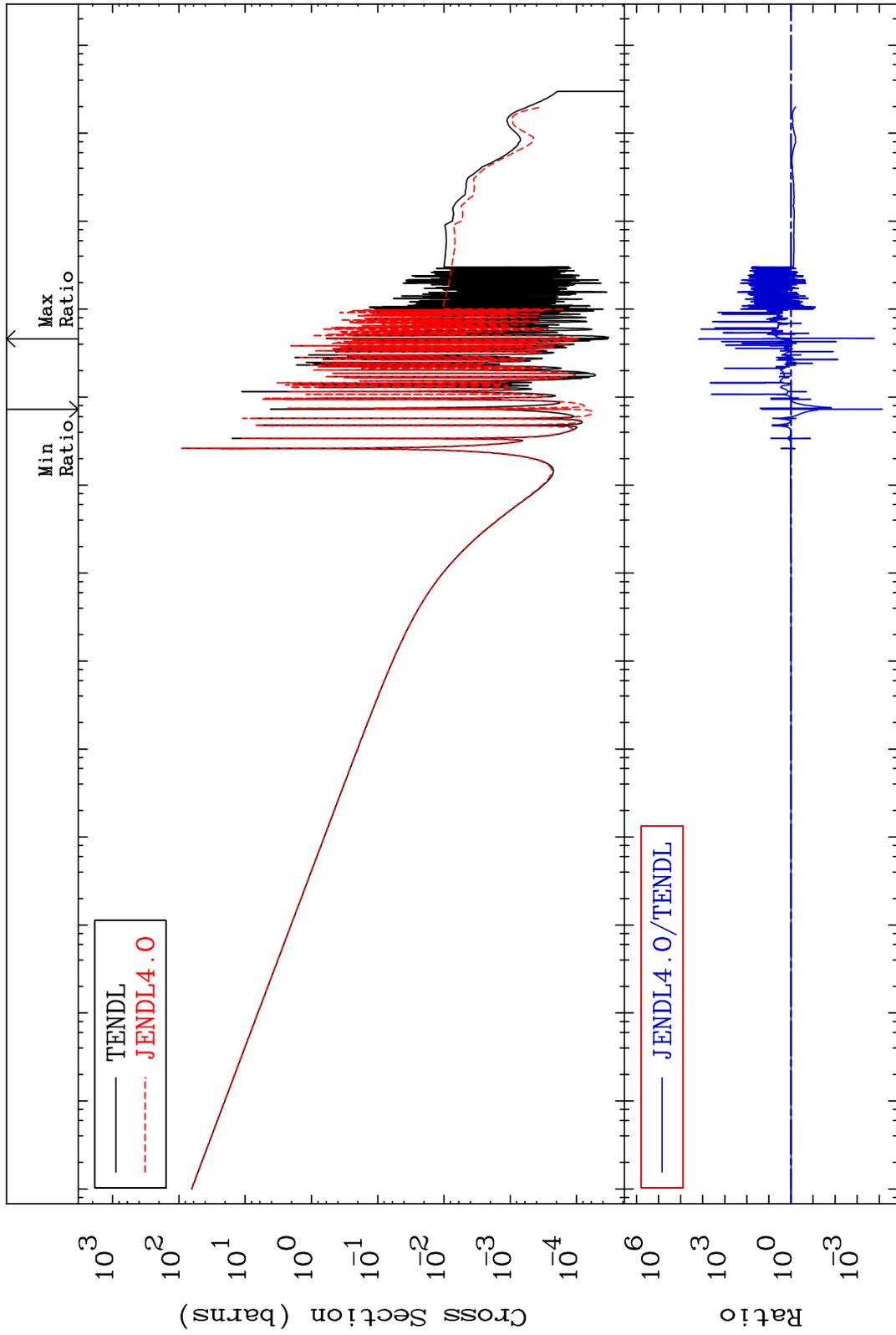
Incident Energy (eV)

39-Y -89

MAT 3925

(n, γ)
Cross Section

39-Y -89
-99.99 To 9999. %



39

Incident Energy (eV)

39-Y -89

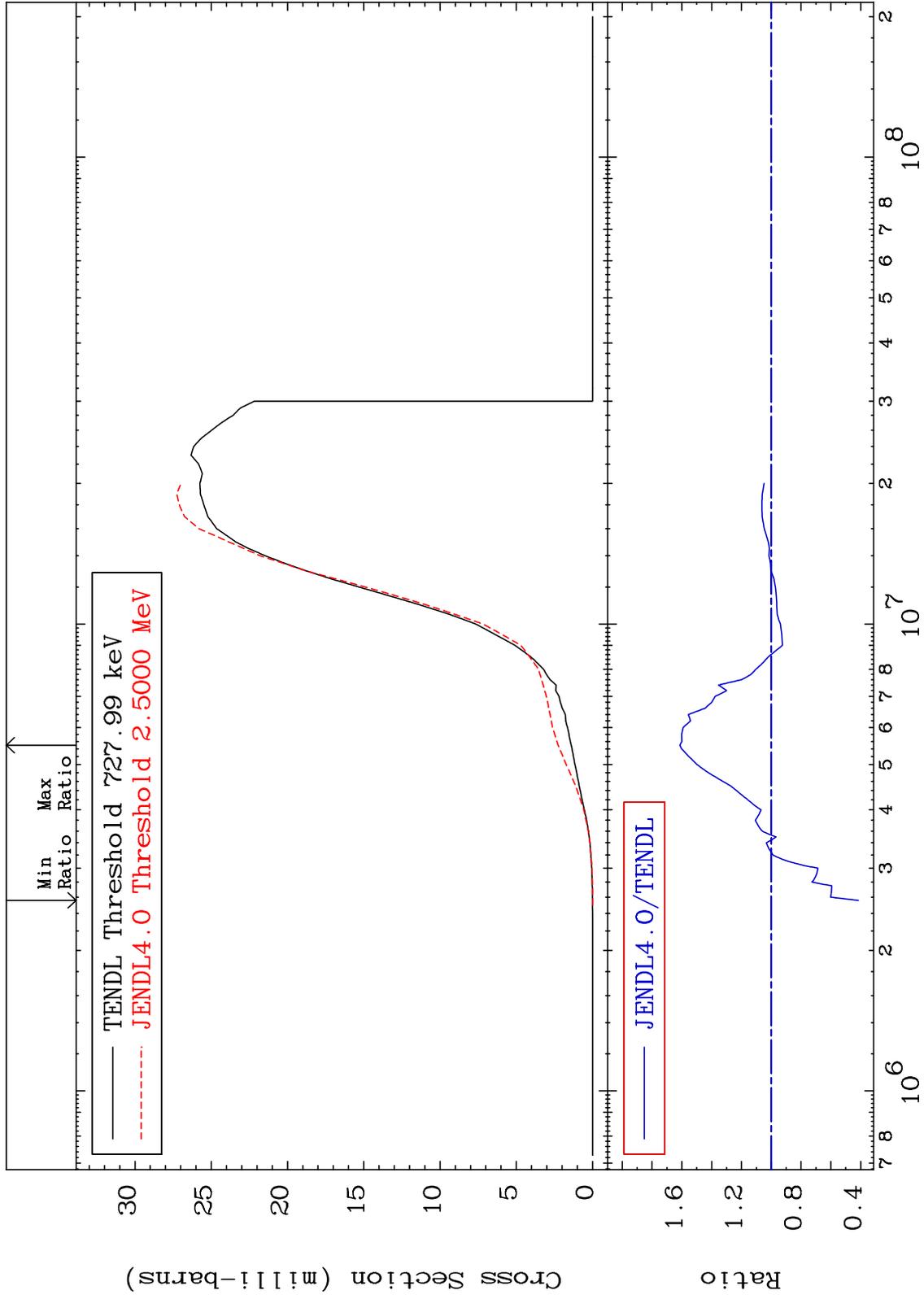
MAT 3925

(n,p)

39-Y -89

Cross Section

-58.48 To 61.28 %



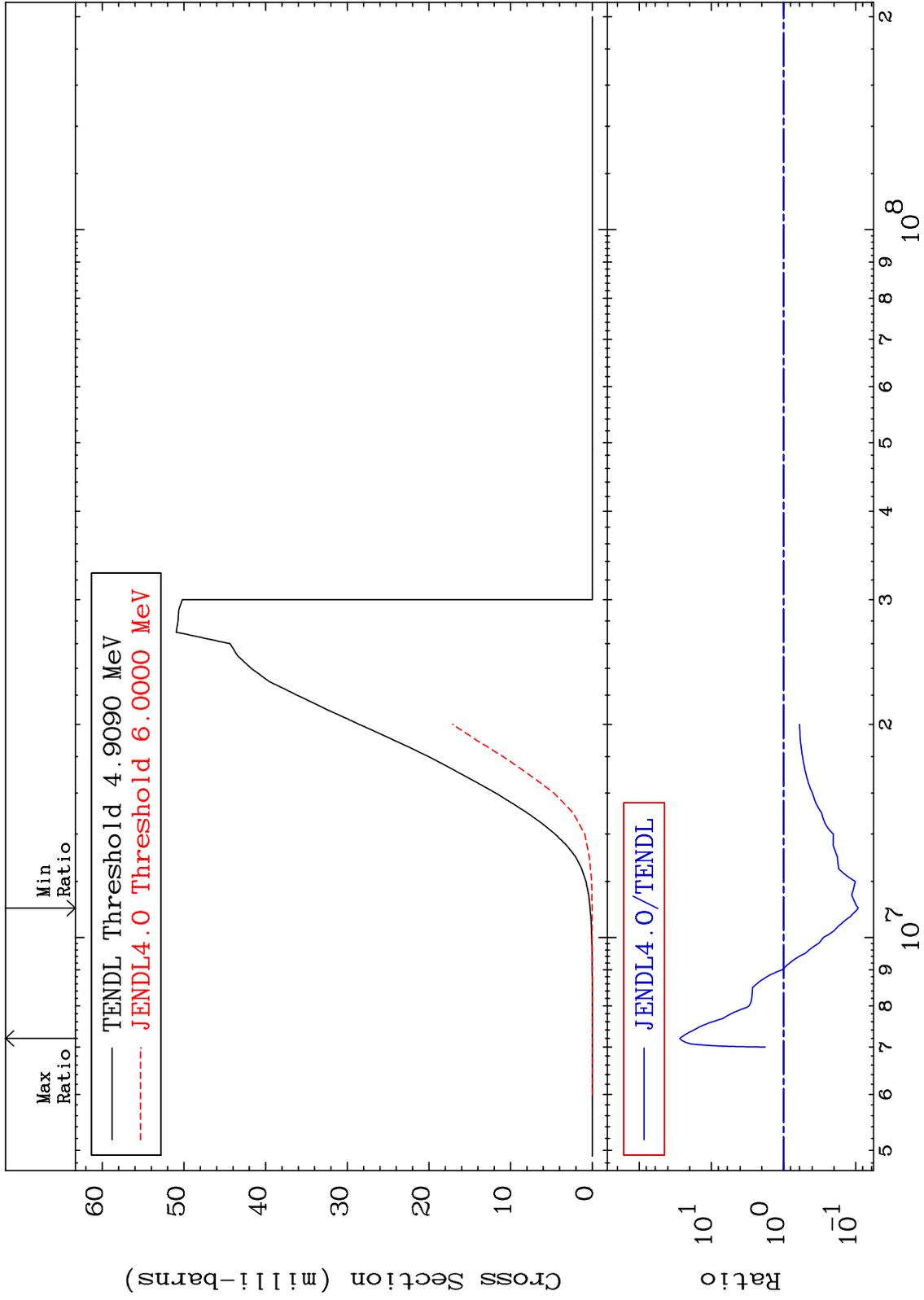
Incident Energy (eV)

39-Y -89

40

Cross Section

-90.82 To 2641. %



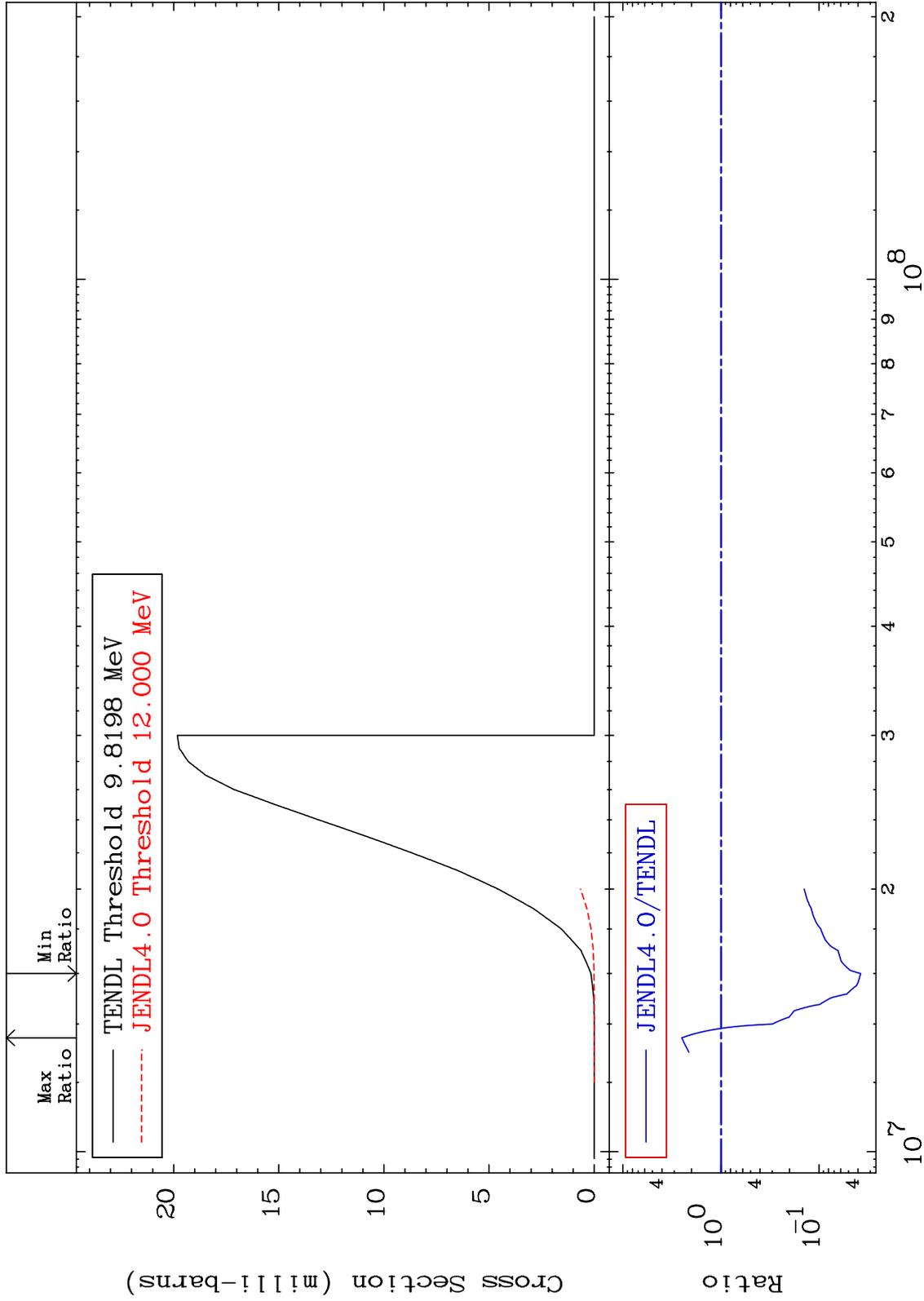
MAT 3925

(n, t)

39-Y -89

Cross Section

-96.24 To 151.2 %



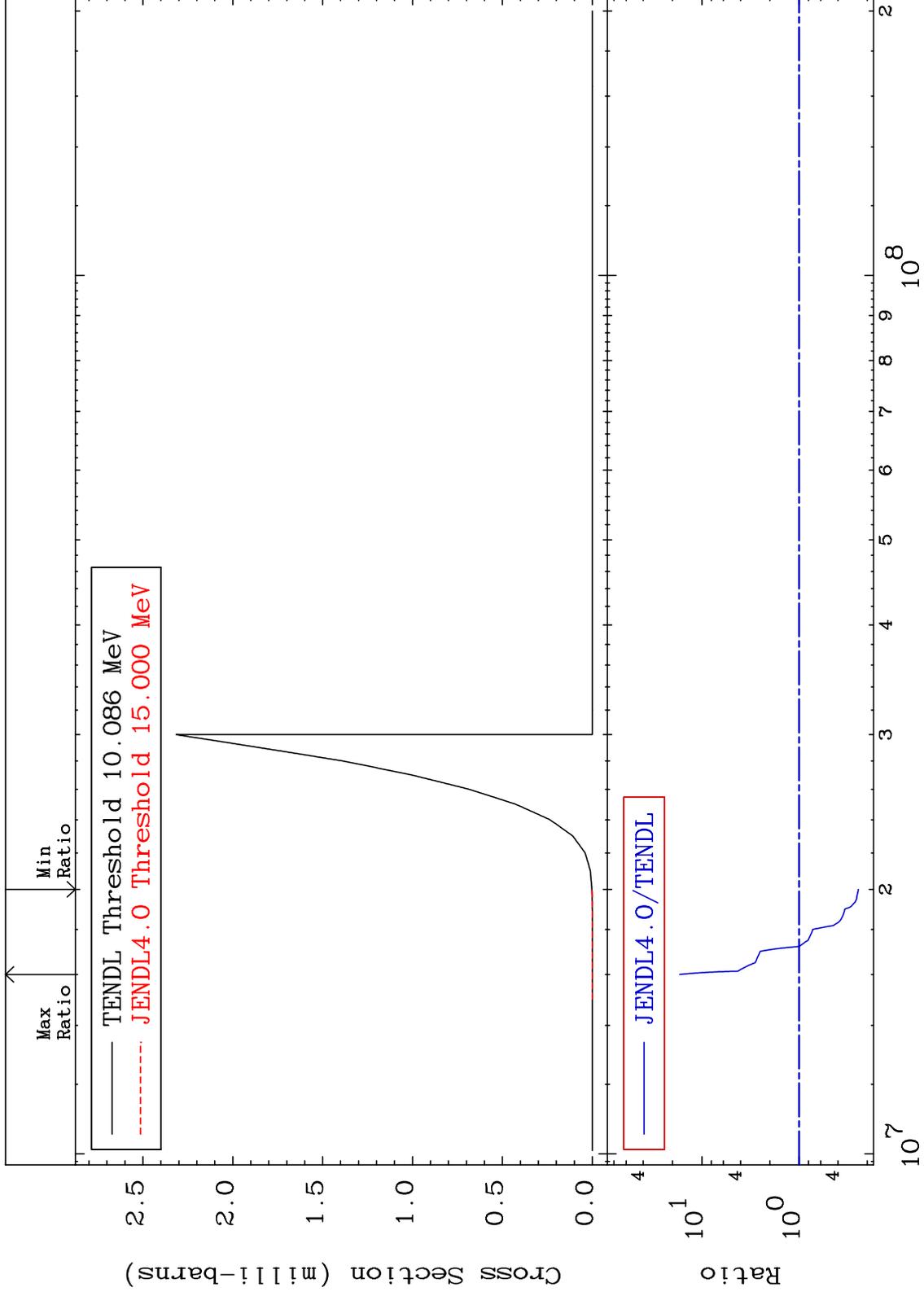
Incident Energy (eV)

39-Y -89

42

Cross Section

-75.35 To 1587. %

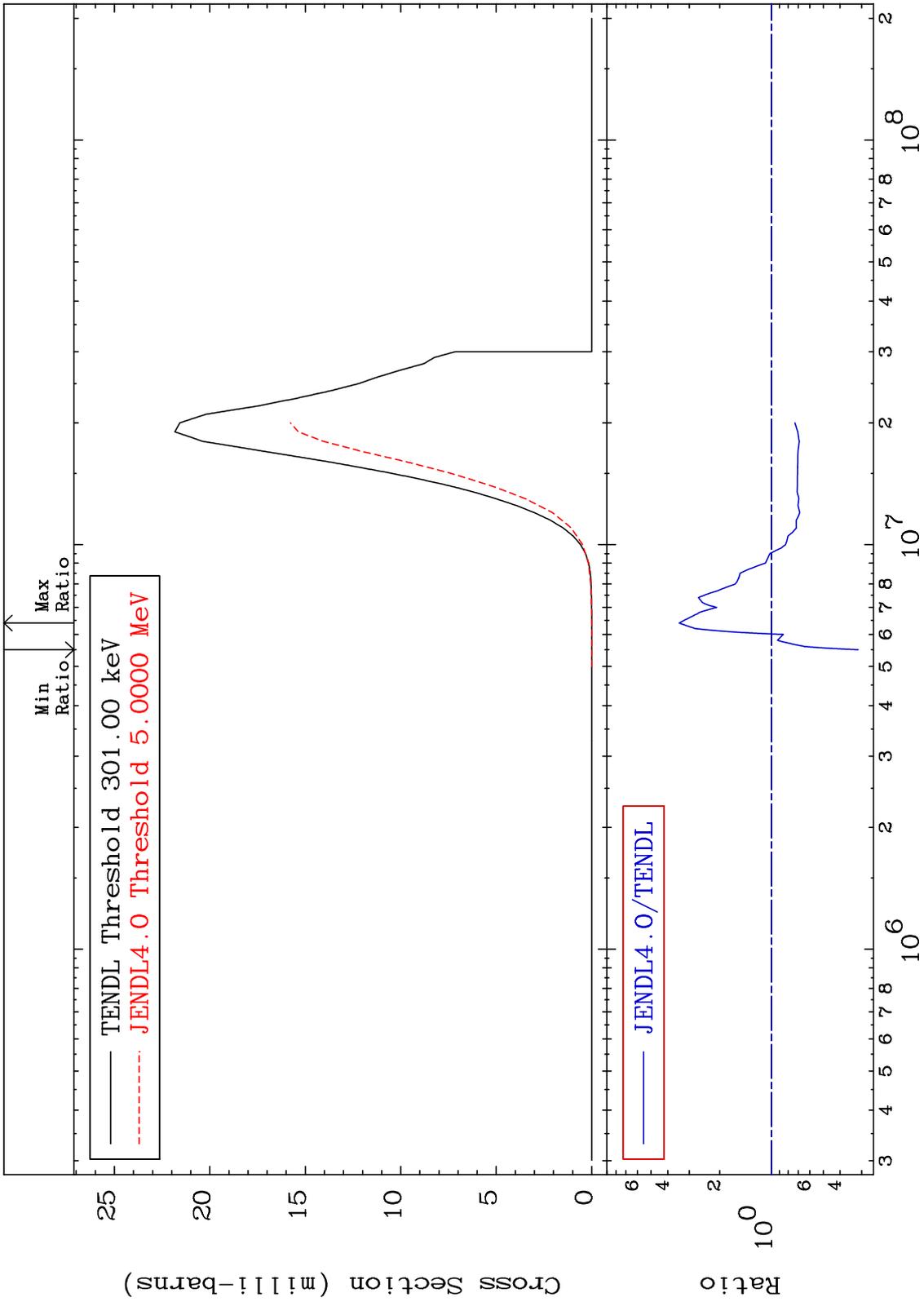


MAT 3925

39-Y -89

-68.63 To 243.1 %

(n, α)
Cross Section



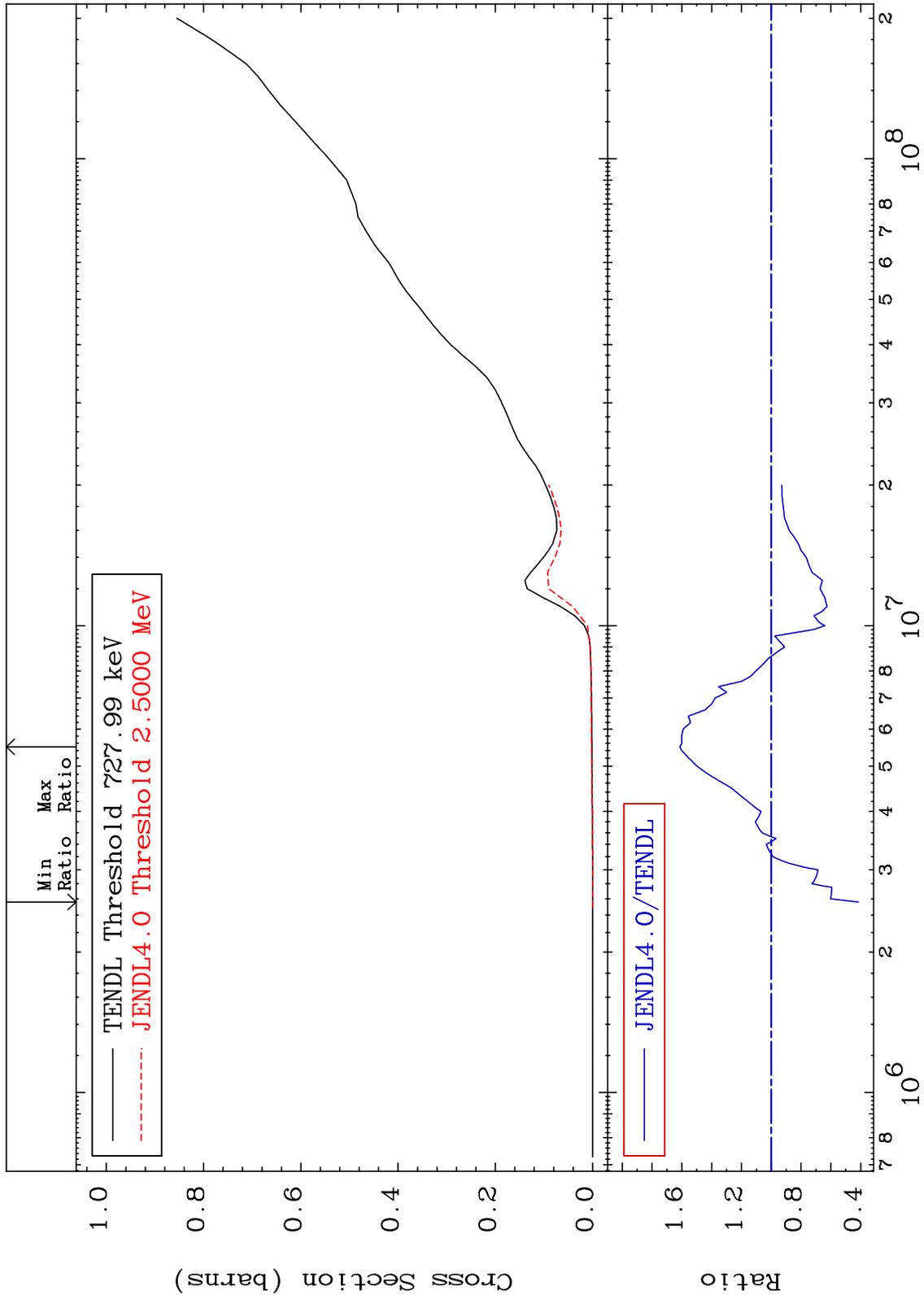
39-Y -89

Incident Energy (eV)

MAT 3925

Hydrogen Production Cross Section

39-Y -89
-58.48 To 61.28 %



45

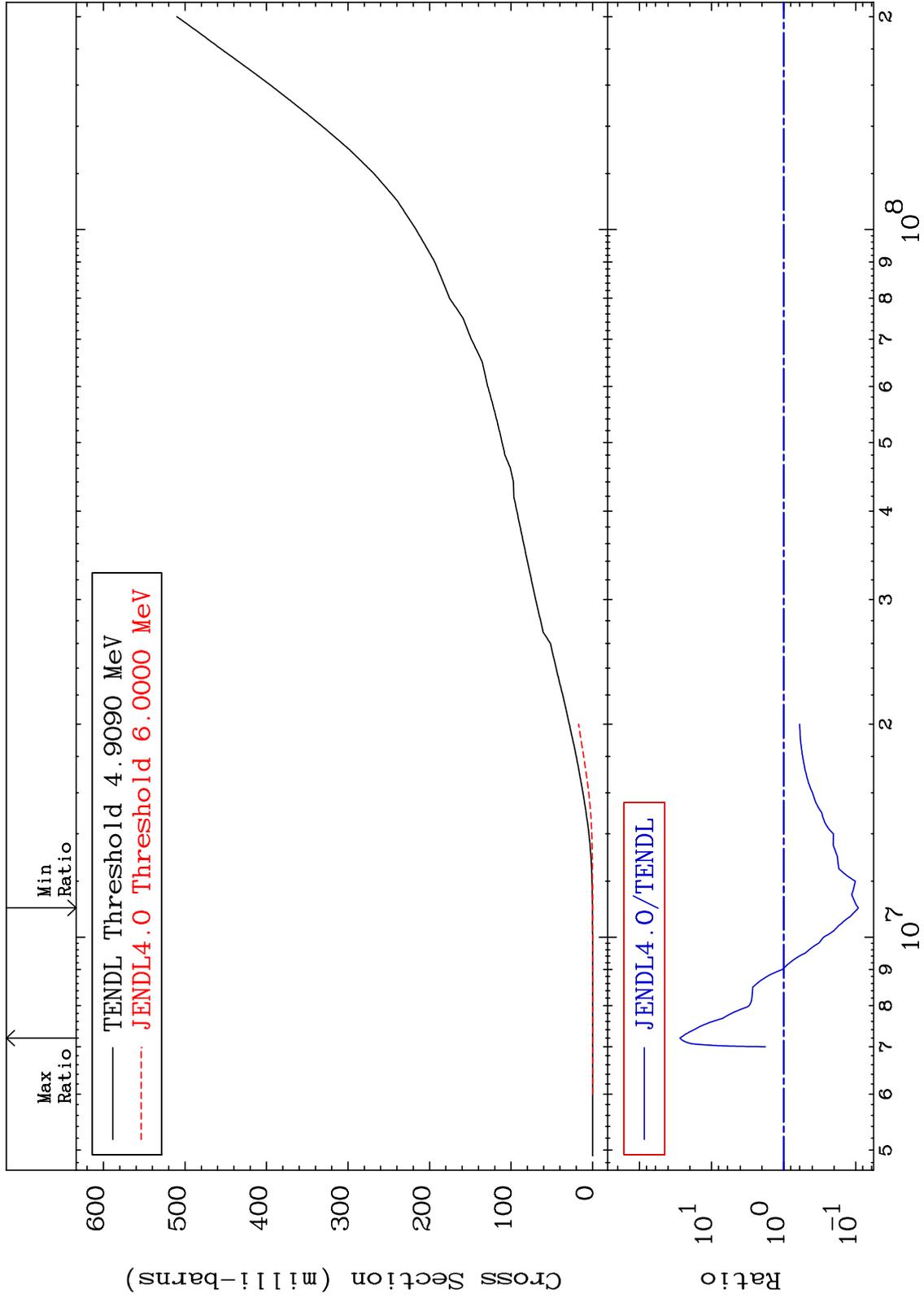
Incident Energy (eV)

39-Y -89

MAT 3925

Deuterium Production
Cross Section

39-Y -89
-90.82 To 2641. %



46

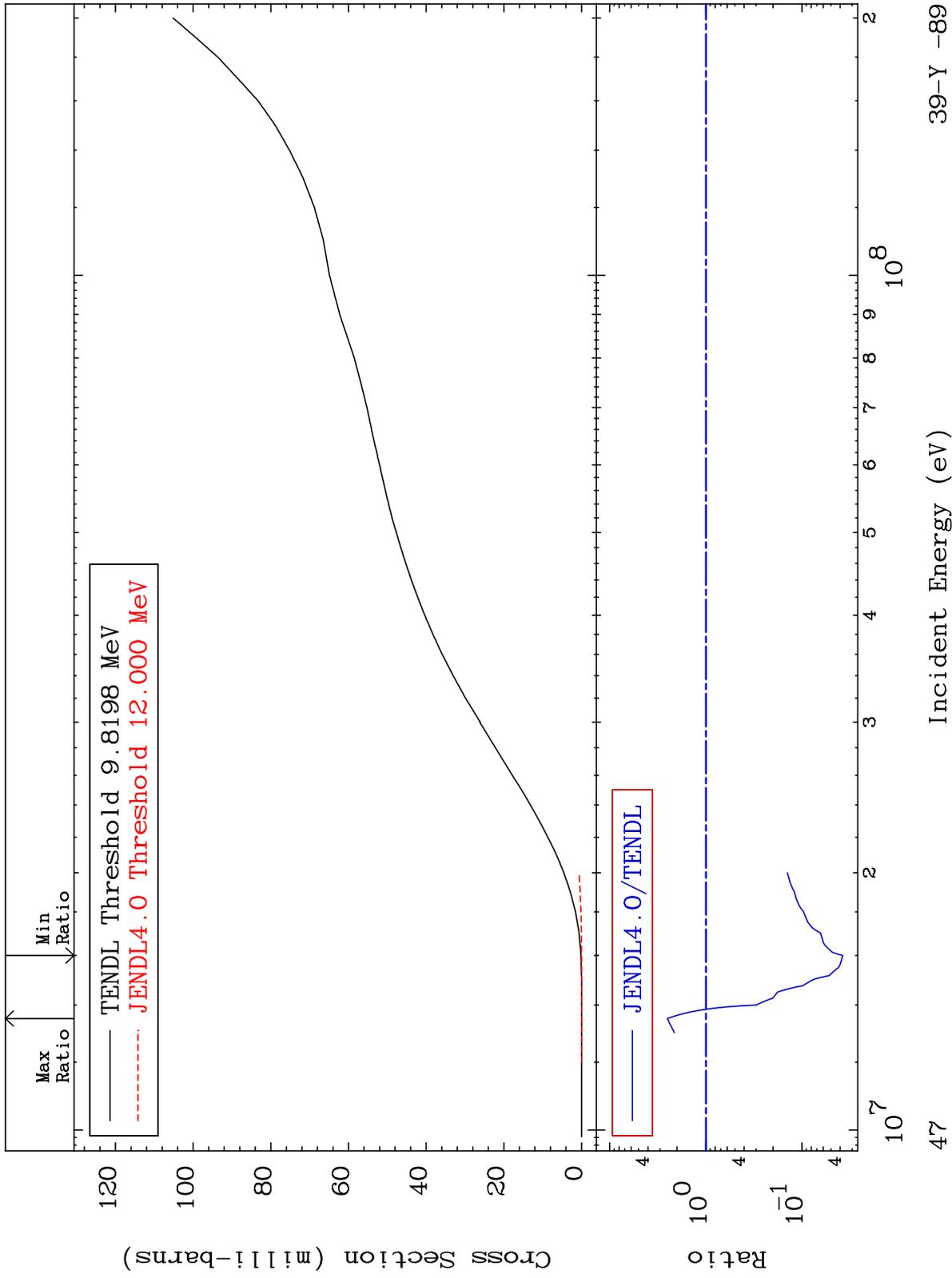
Incident Energy (eV)

39-Y -89

MAT 3925

Tritium Production
Cross Section

39-Y -89
-96.24 To 151.2 %



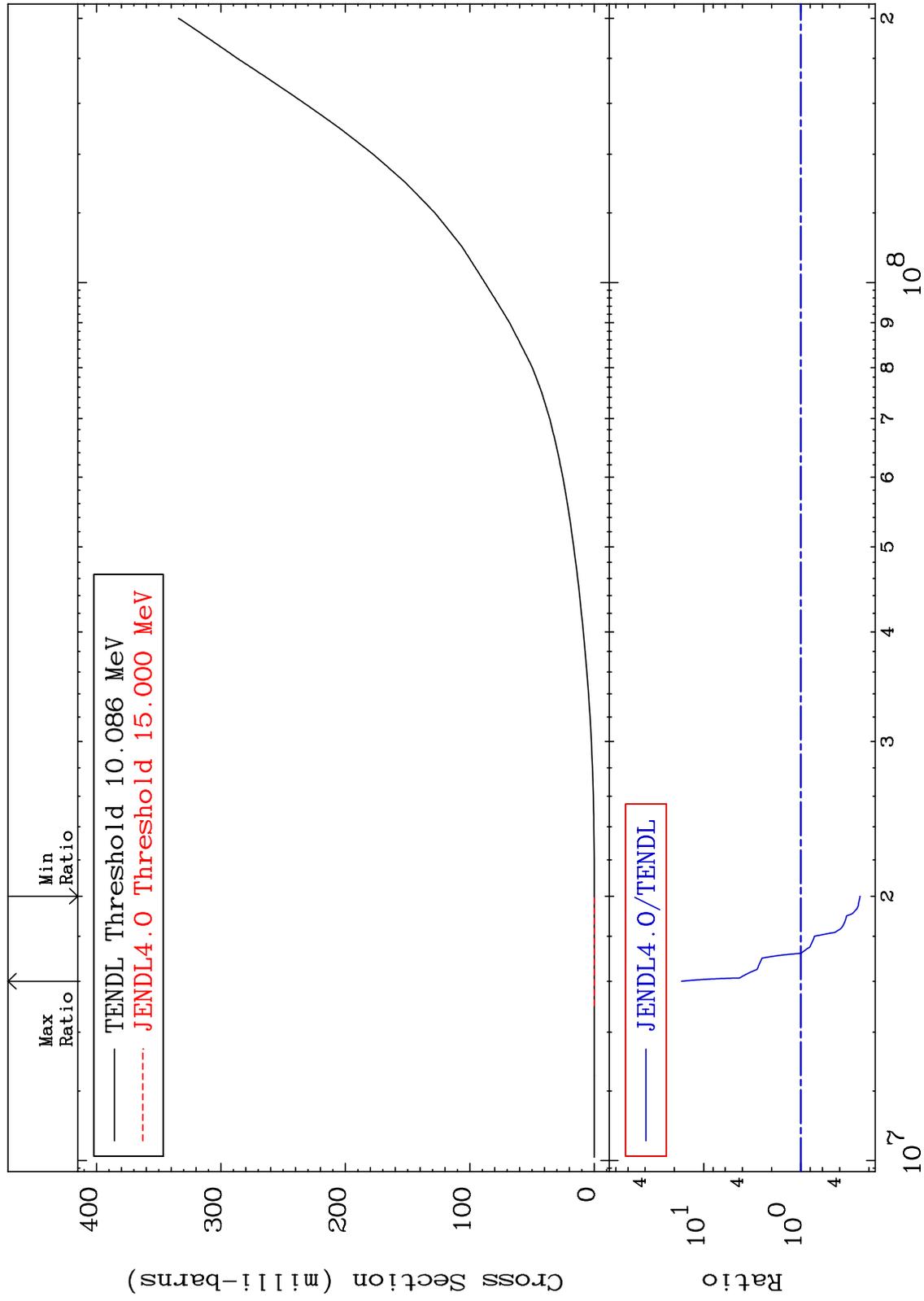
39-Y -89

47

MAT 3925

He-3 Production
Cross Section

39-Y -89
-75.35 To 1587. %



Incident Energy (eV)

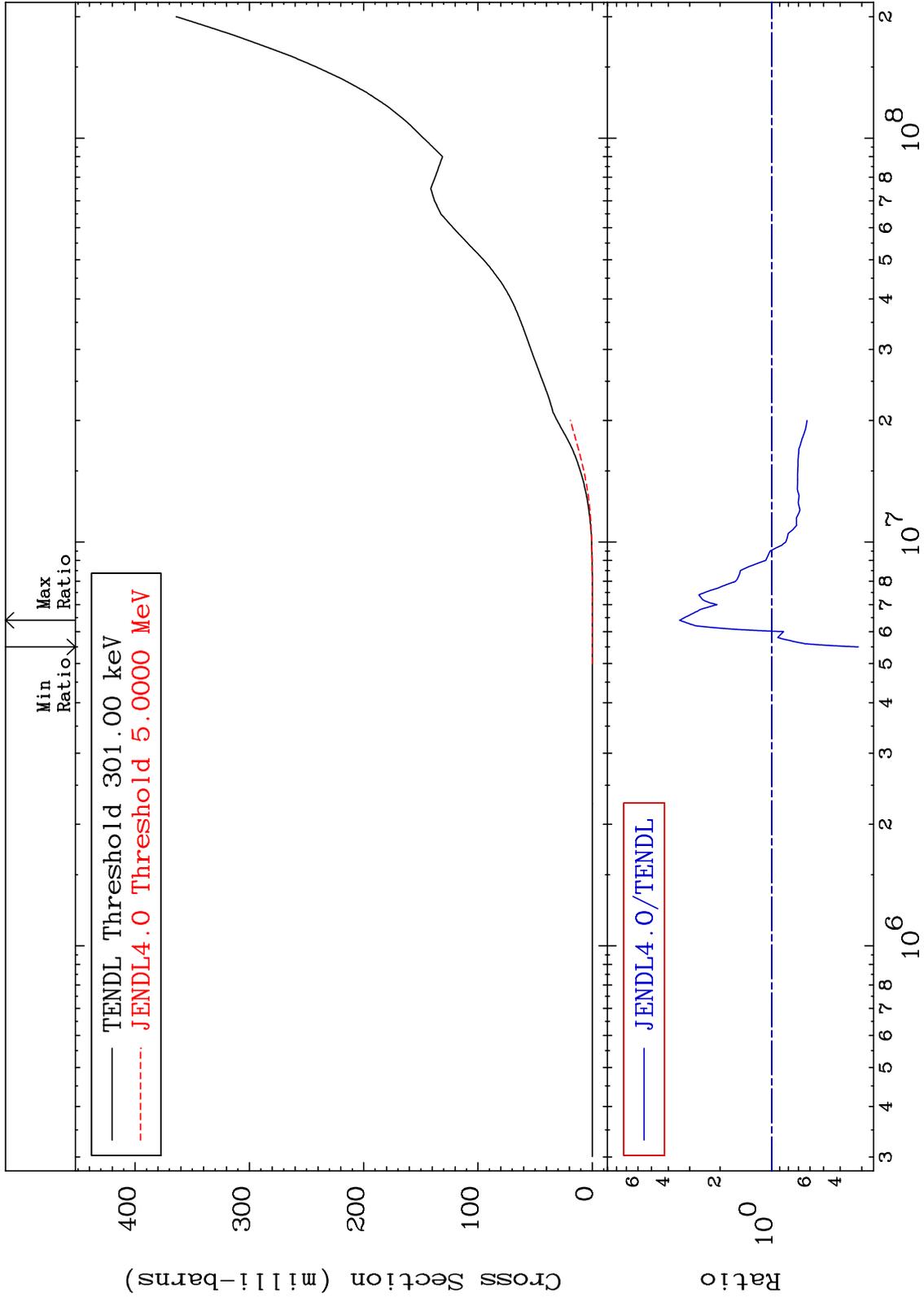
39-Y -89

48

MAT 3925

He-4 Production
Cross Section

39-Y -89
-68.63 To 243.1 %



49

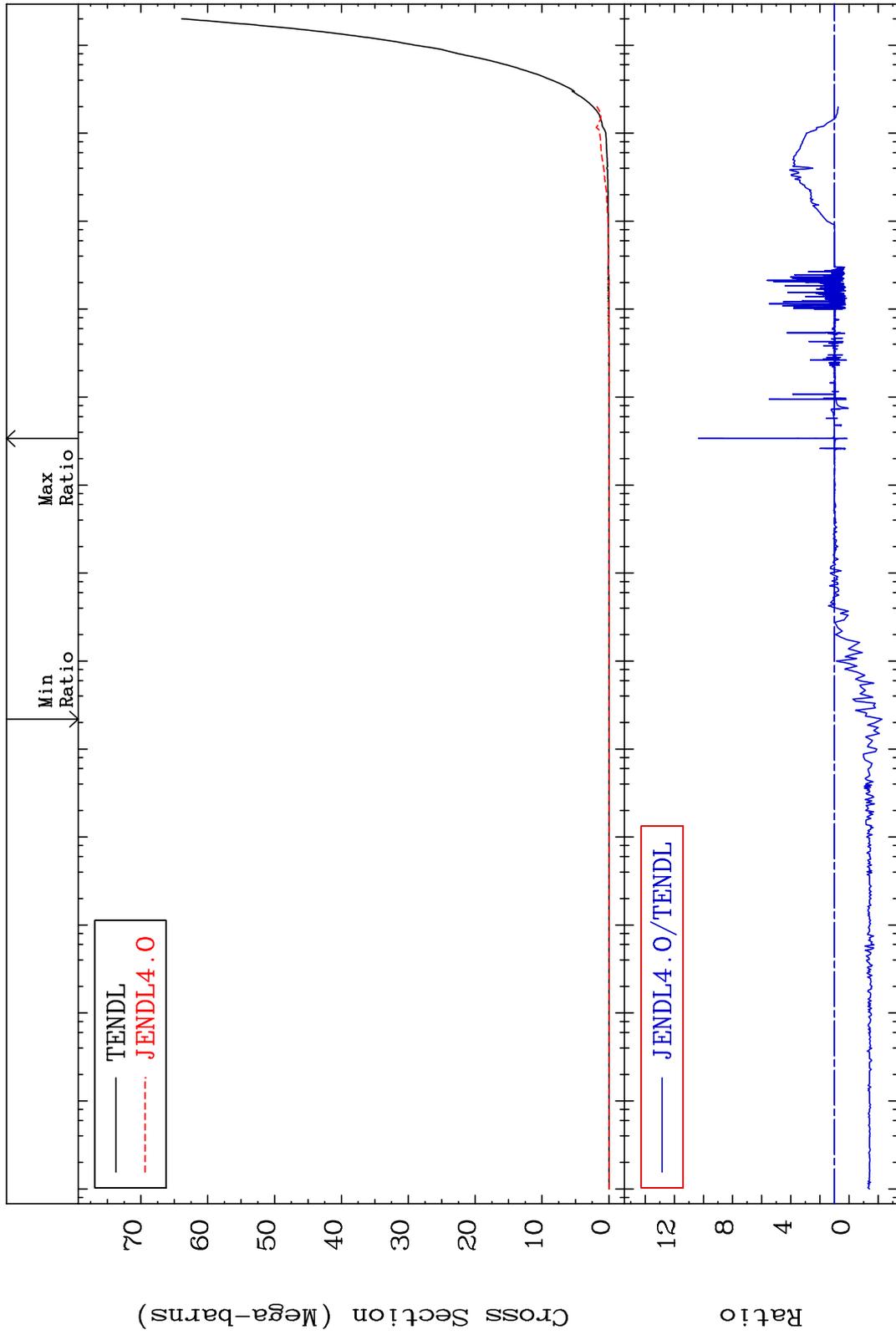
Incident Energy (eV)

39-Y -89

MAT 3925

Kerma total (eV-barns)
Cross Section

39-Y -89
-327.2 To 932.7 %



— TENDL
- - - JENDL4.0

— JENDL4.0/TENDL

50

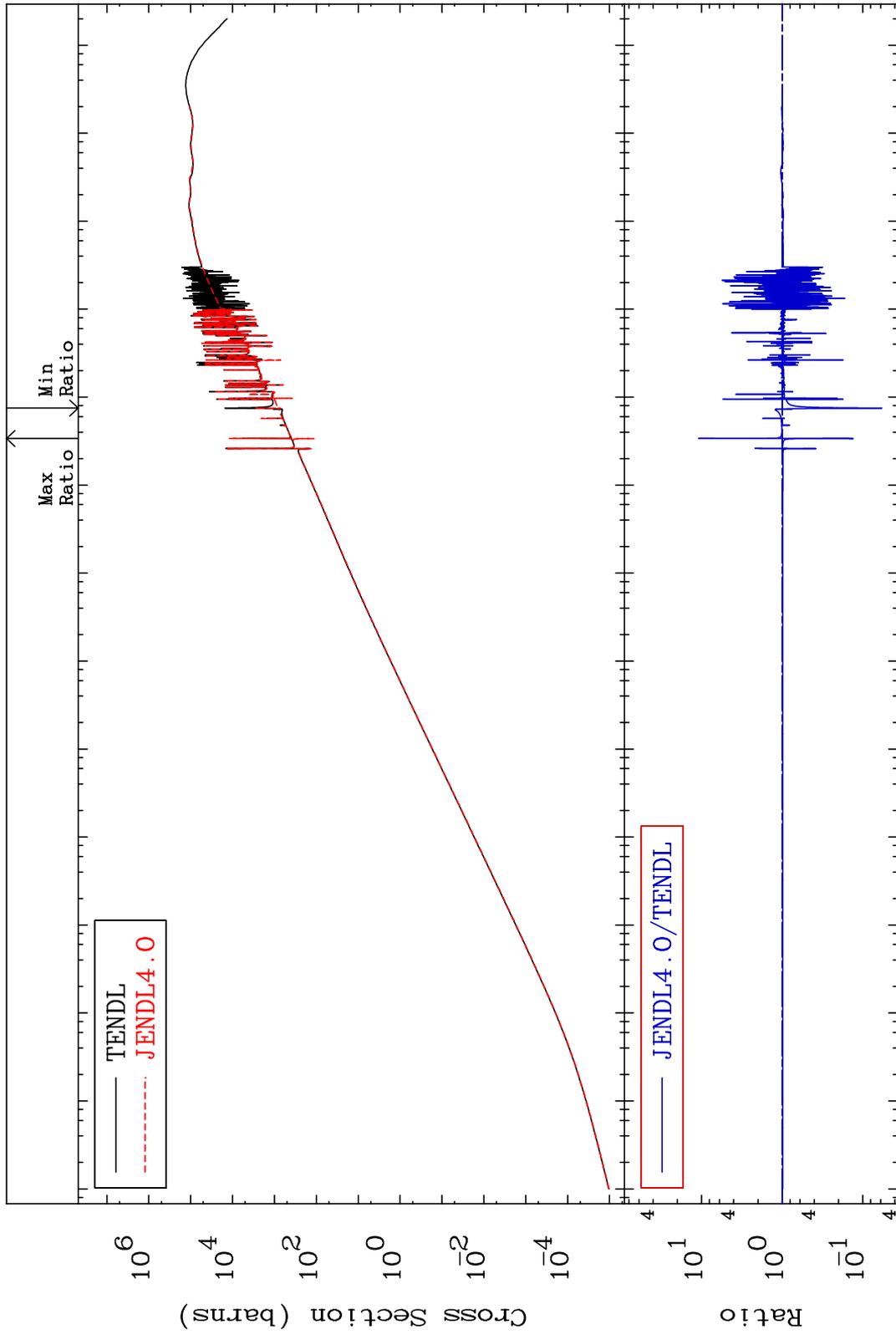
Incident Energy (eV)

39-Y -89

MAT 3925

Kerma elastic
Cross Section

39-Y -89
-94.23 To 986.3 %



51

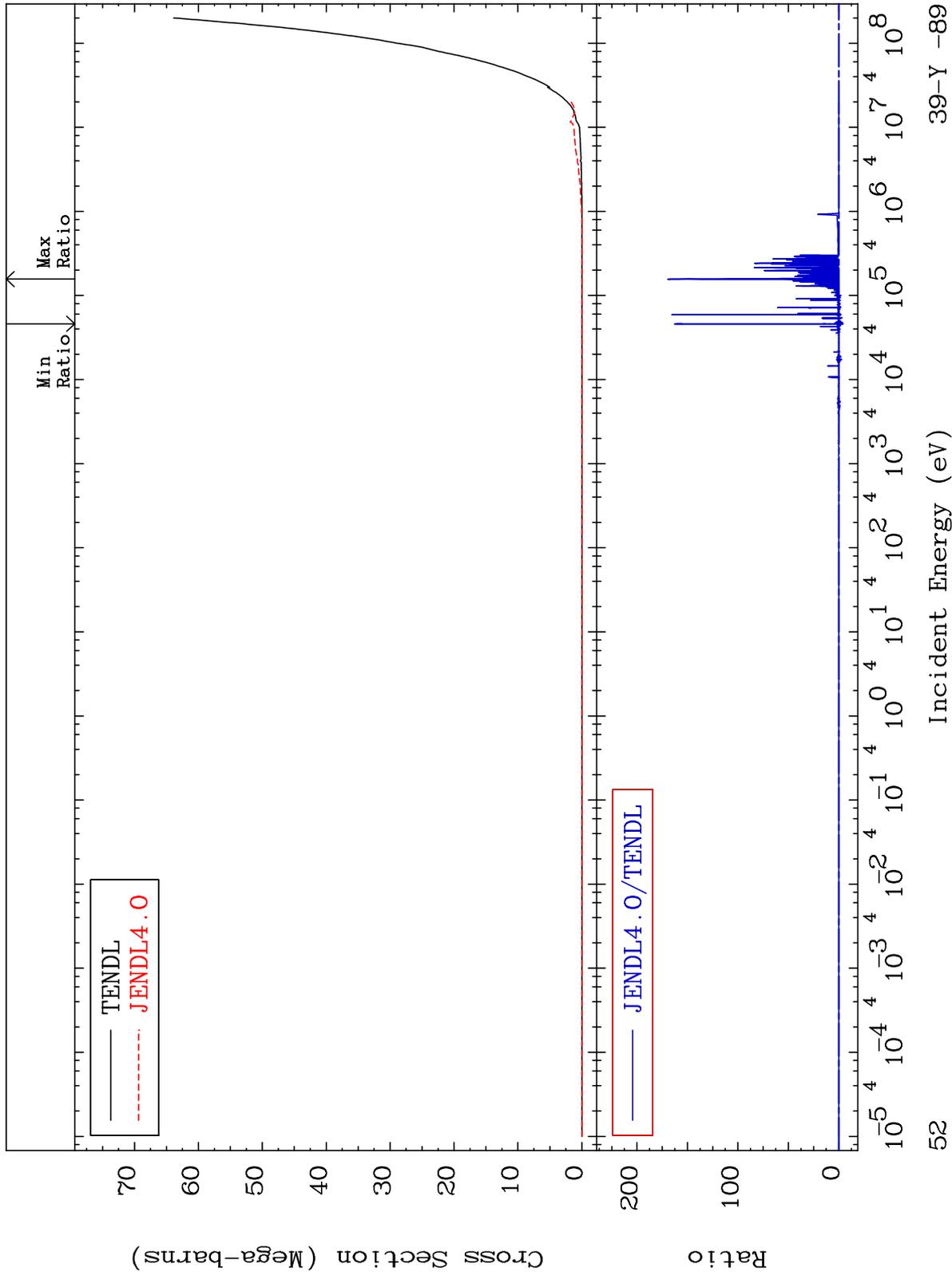
Incident Energy (eV)

39-Y -89

MAT 3925

Kerma non-elastic (all but mt2)
Cross Section

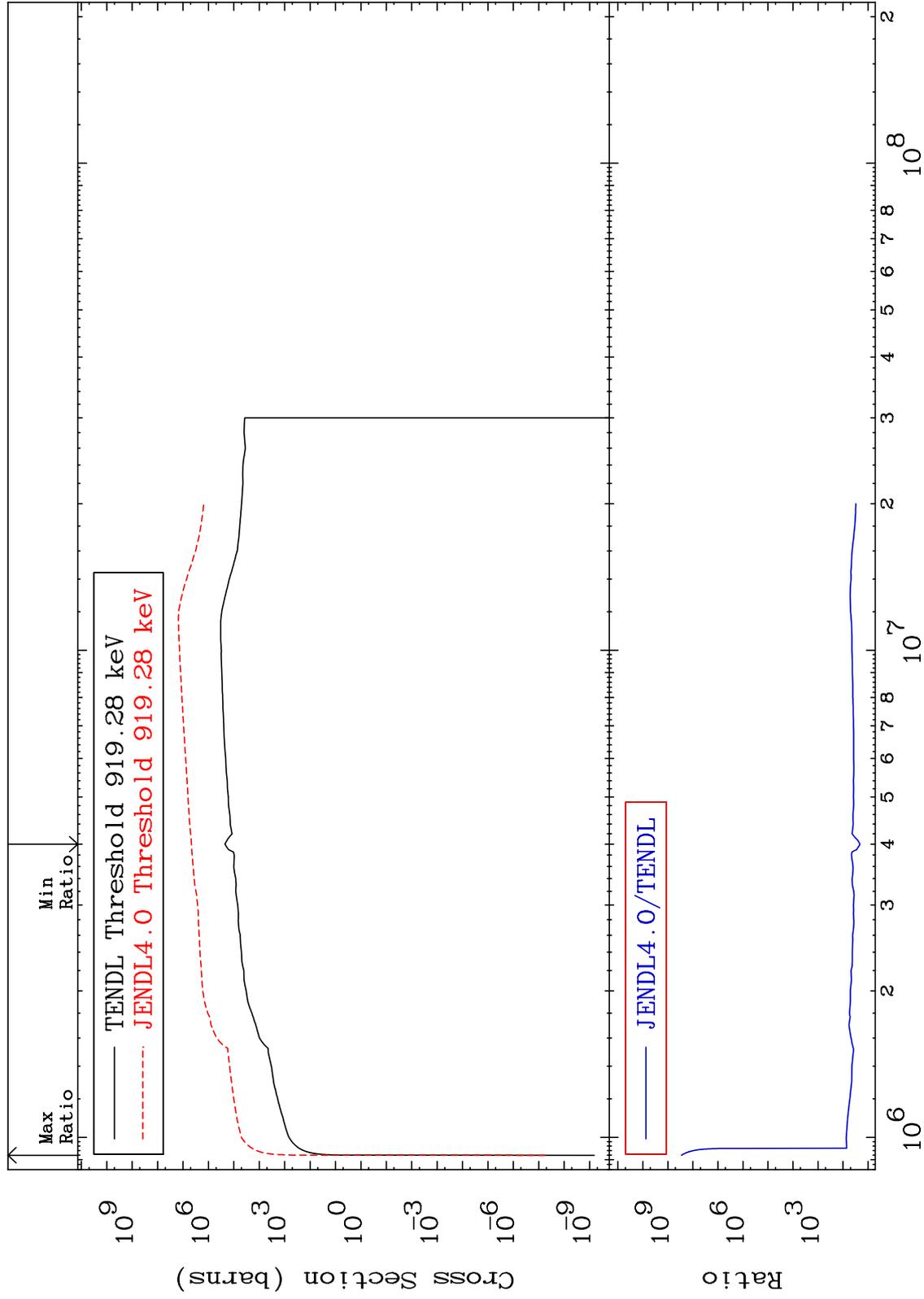
39-Y -89
-9999. To 9999. %



52

Incident Energy (eV)

39-Y -89

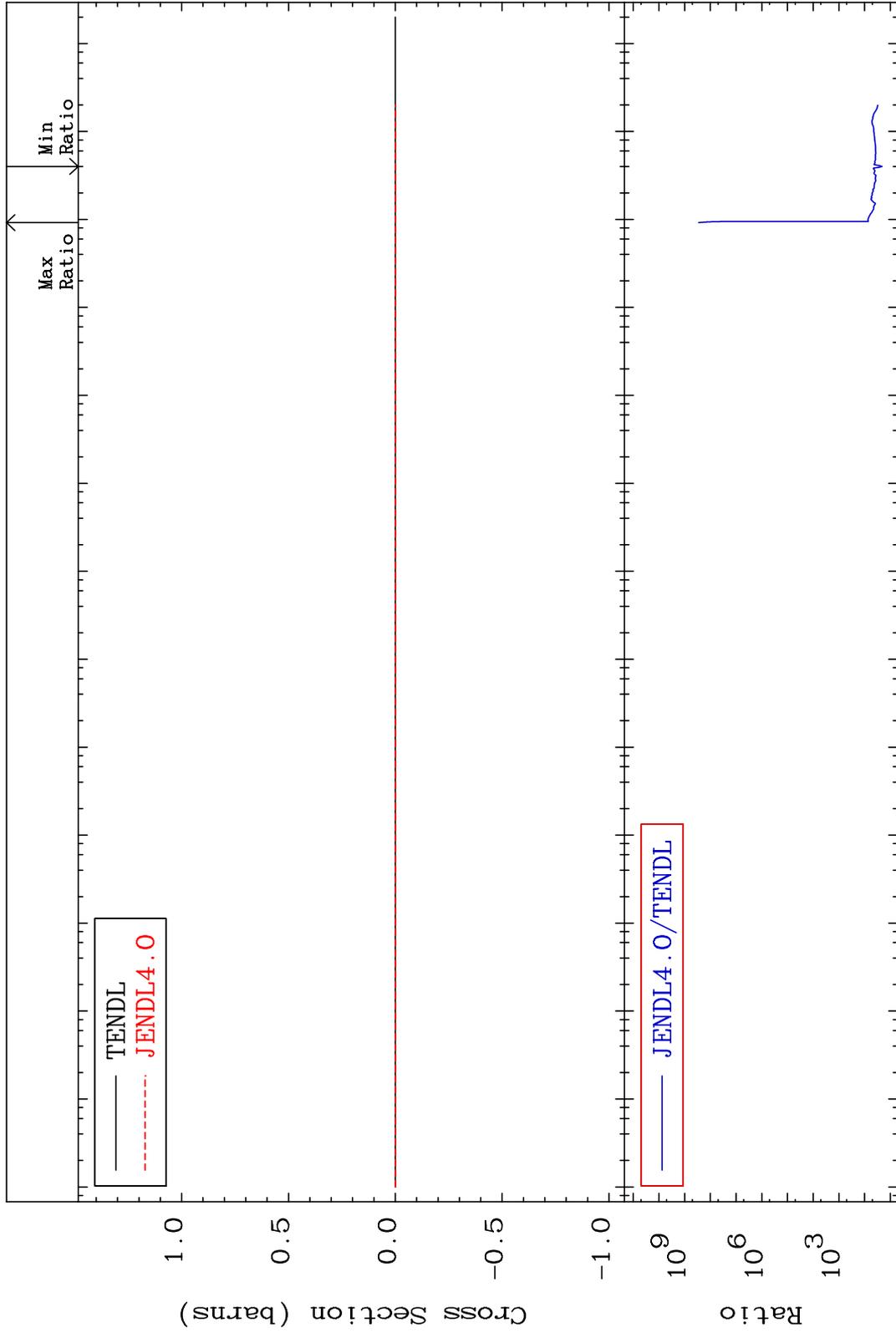


MAT 3925

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

1987. To 9999. %

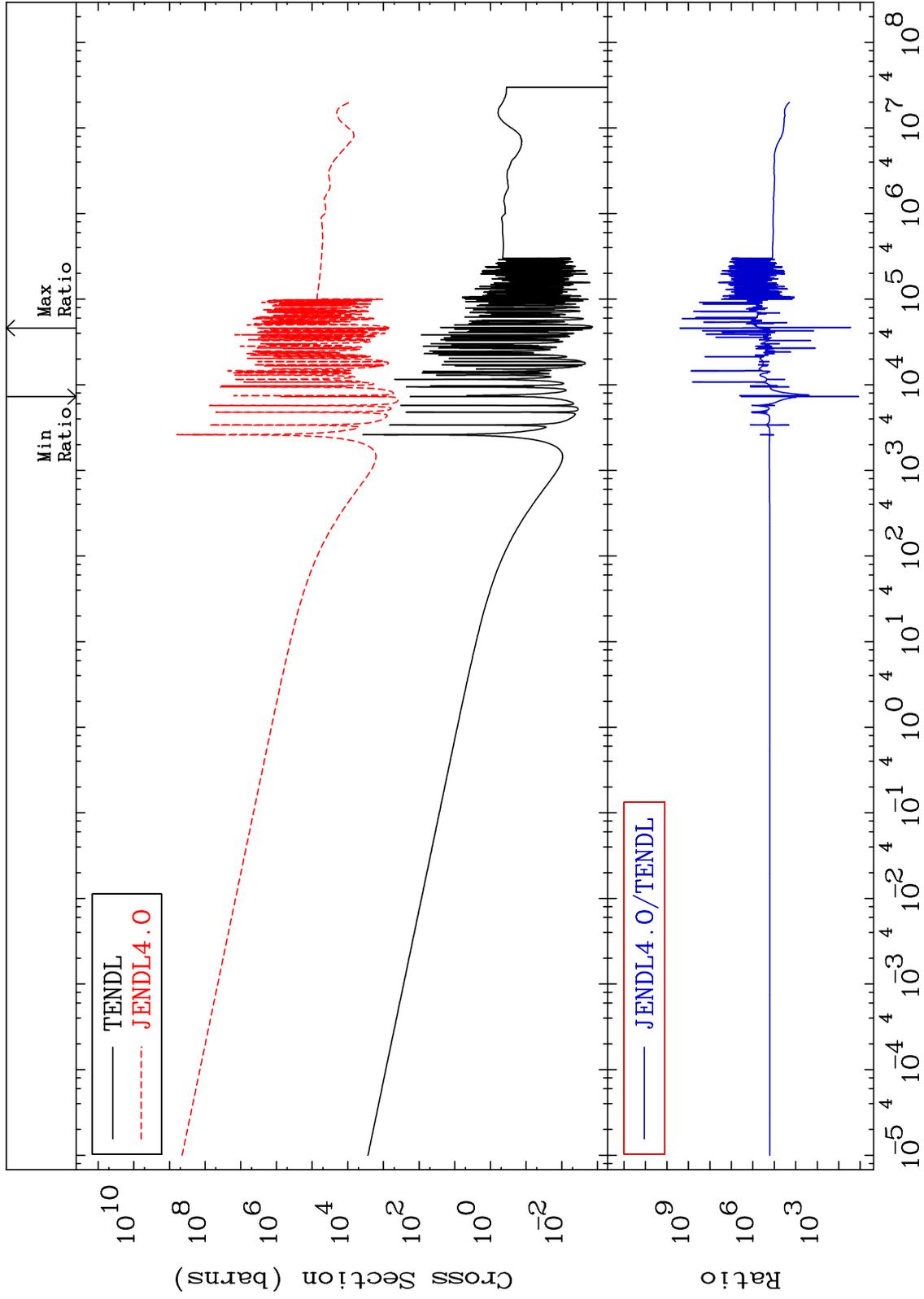
39-Y -89



MAT 3925

Kerma capture (mt102)
Cross Section

39-Y -89
1108. To 9999. %



55

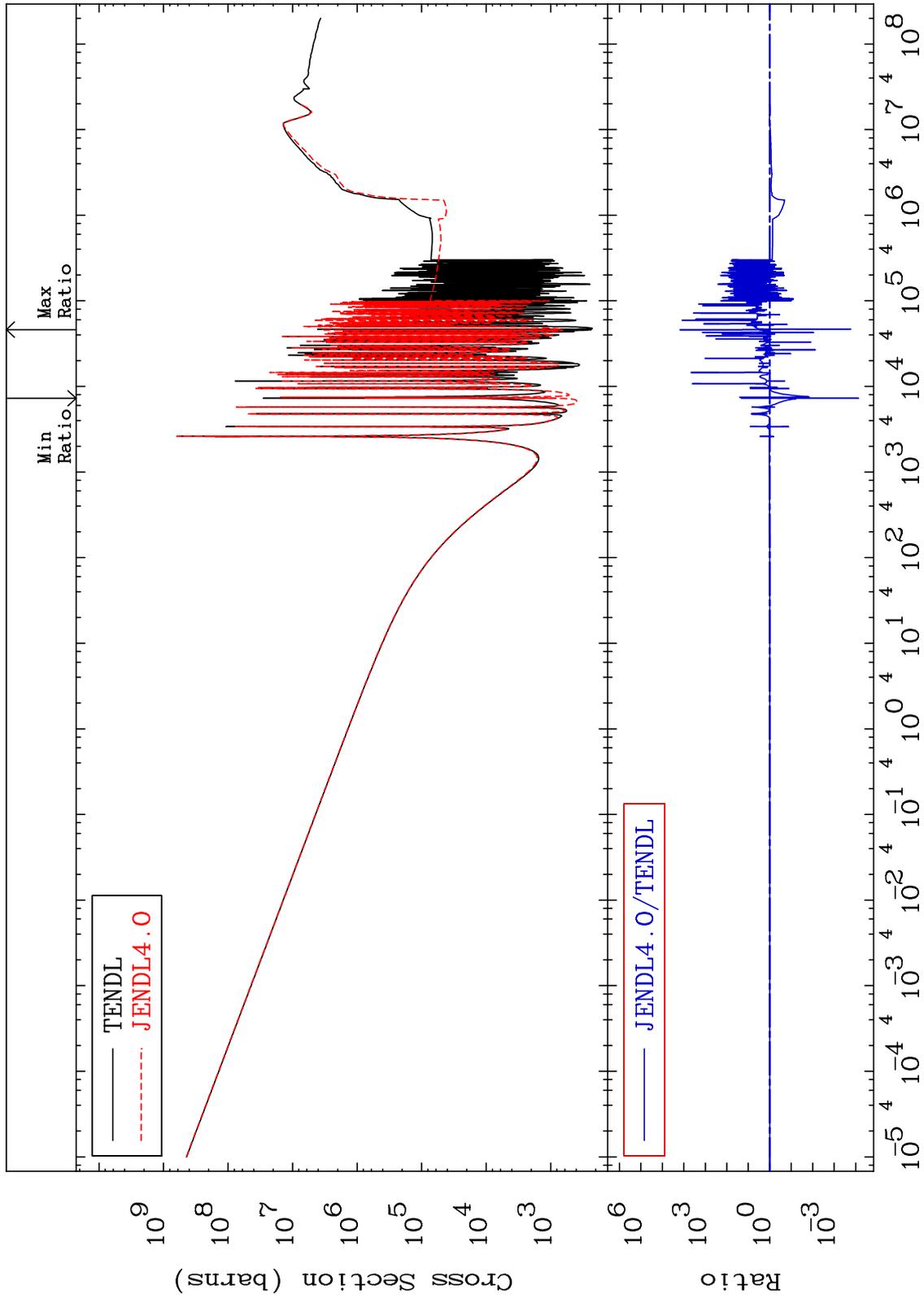
Incident Energy (eV)

39-Y -89

MAT 3925

Total photon (eV-barns)
Cross Section

39-Y -89
-99.99 To 9999. %



56

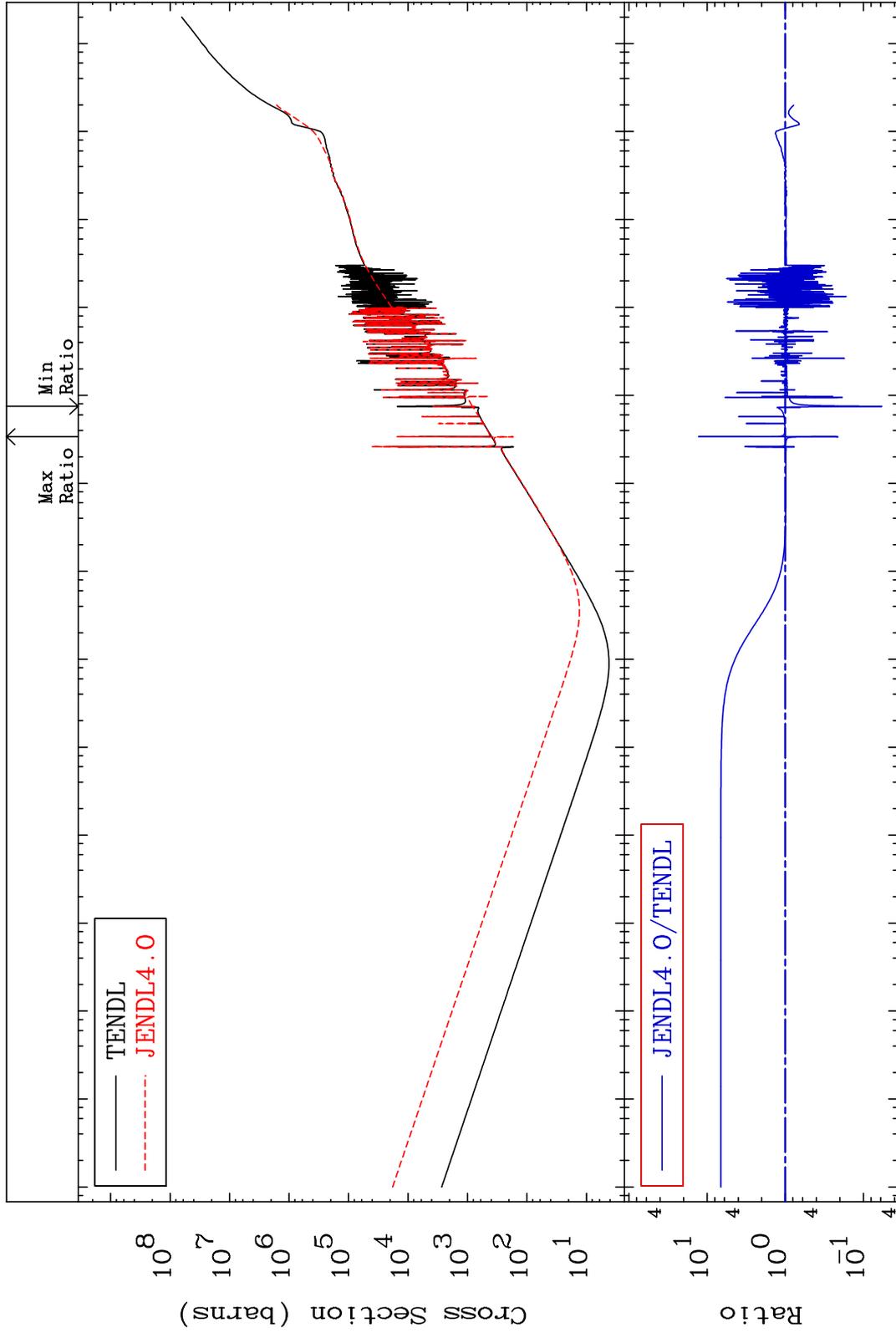
Incident Energy (eV)

39-Y -89

MAT 3925

Total kinematic kerma (high limit)
Cross Section

39-Y -89
-94.23 To 1181. %



57

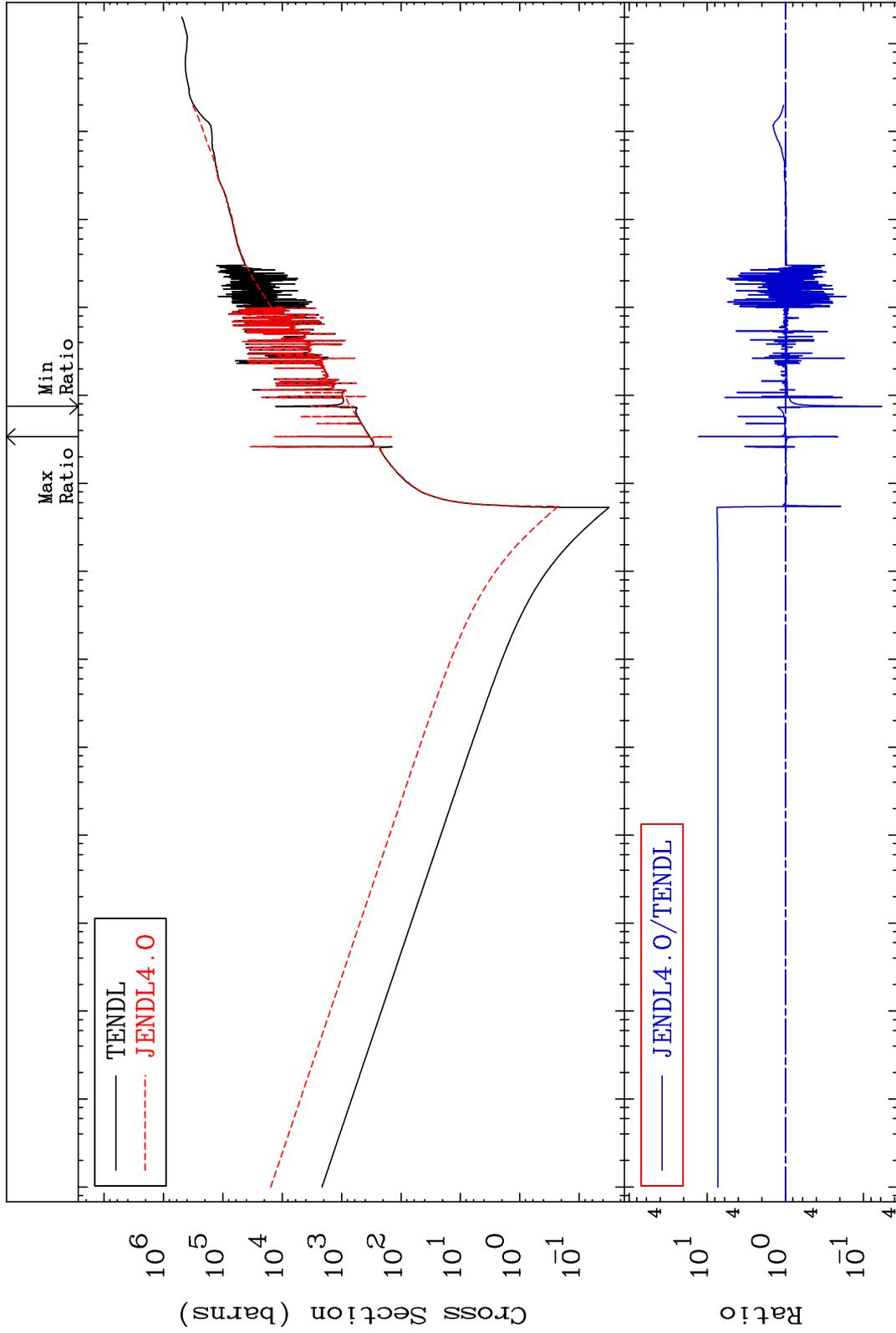
Incident Energy (eV)

39-Y -89

MAT 3925

Dpa total (eV-barns)
Cross Section

39-Y -89
-94.23 To 1186. %



58

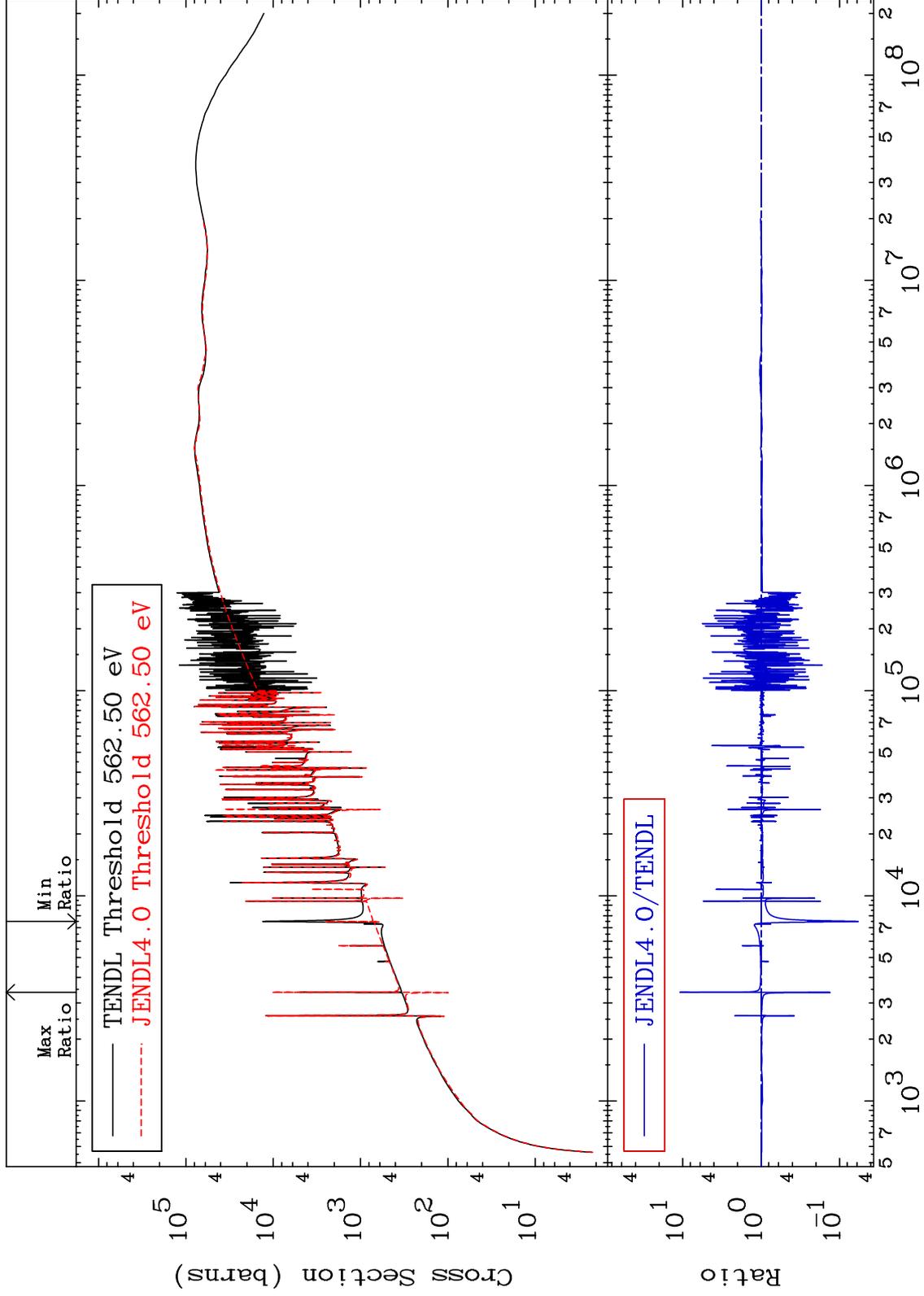
Incident Energy (eV)

39-Y -89

MAT 3925

Dpa elastic (mt2)
Cross Section

39-Y -89
-94.23 To 984.9 %



59

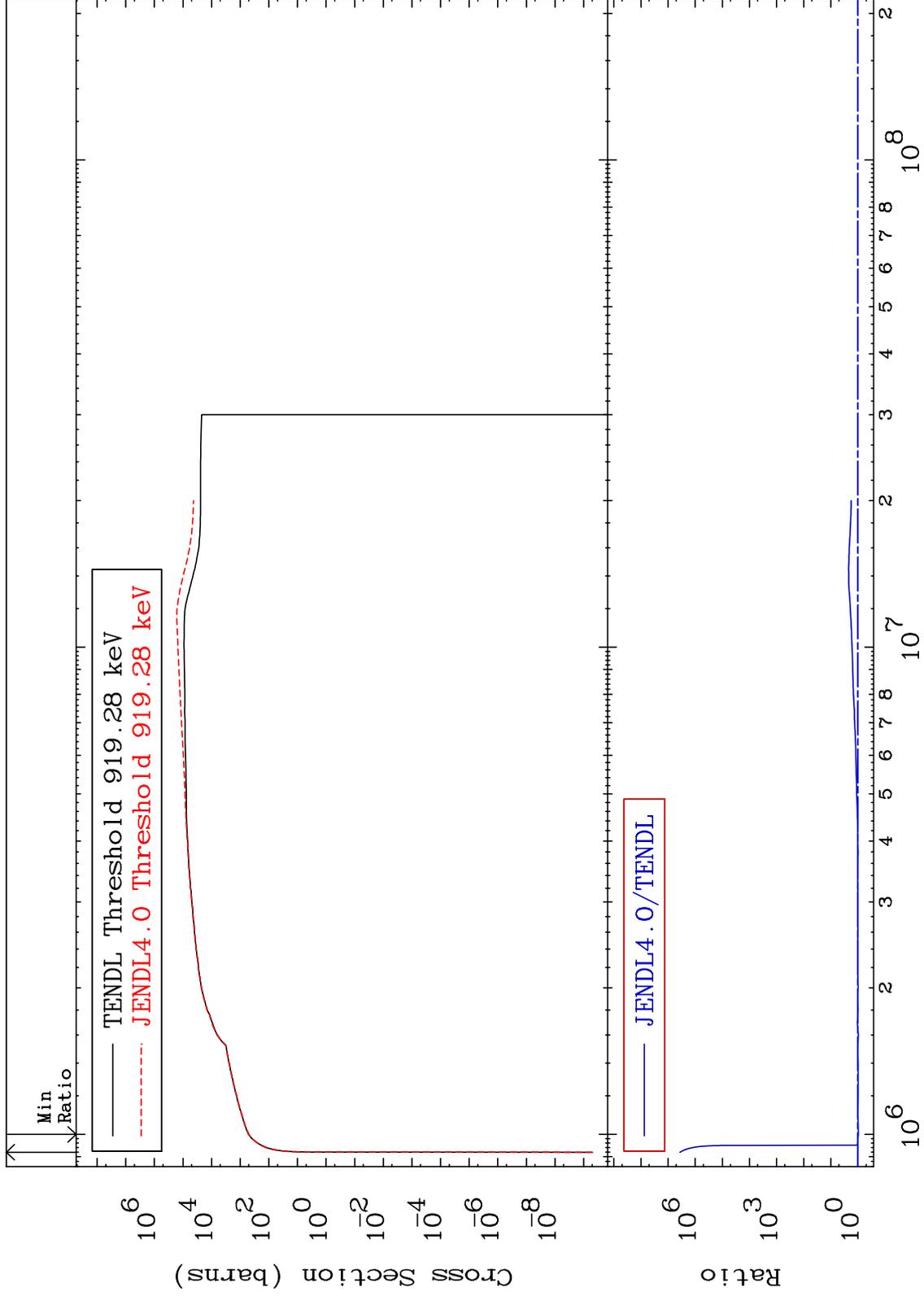
Incident Energy (eV)

39-Y -89

MAT 3925

Dpa inelastic (mt51-91)
Cross Section

39-Y -89
-3.750 To 9999. %



60

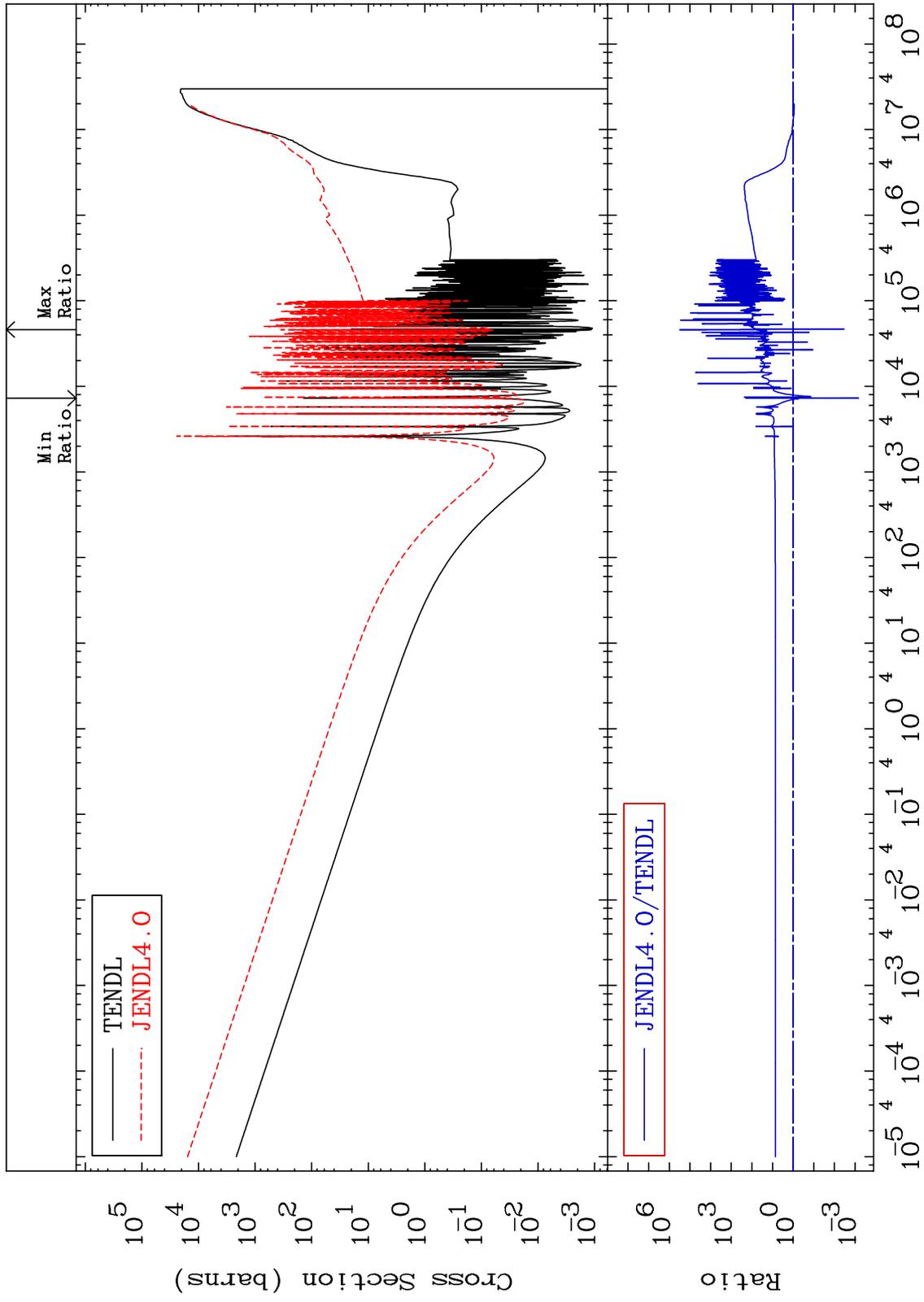
Incident Energy (eV)

39-Y -89

MAT 3925

Dpa disappearance (mt102 -120)
Cross Section

39-Y -89
-99.93 To 9999. %



61

Incident Energy (eV)

39-Y -89