

Program Complot
(Version 2018-1)

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

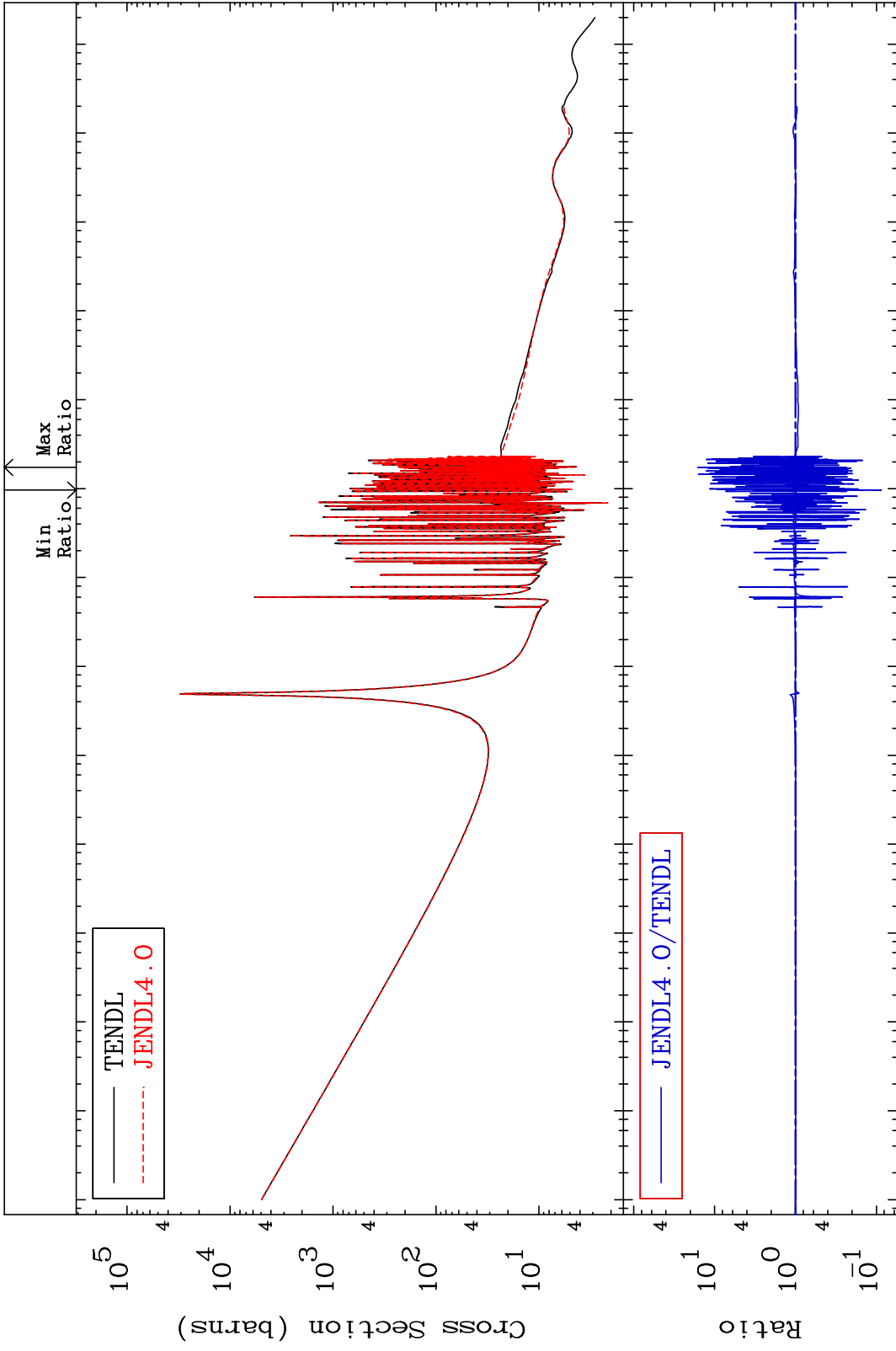
MAT 7925

Total

79-Au-197

-91.35 To 1514. %

Cross Section

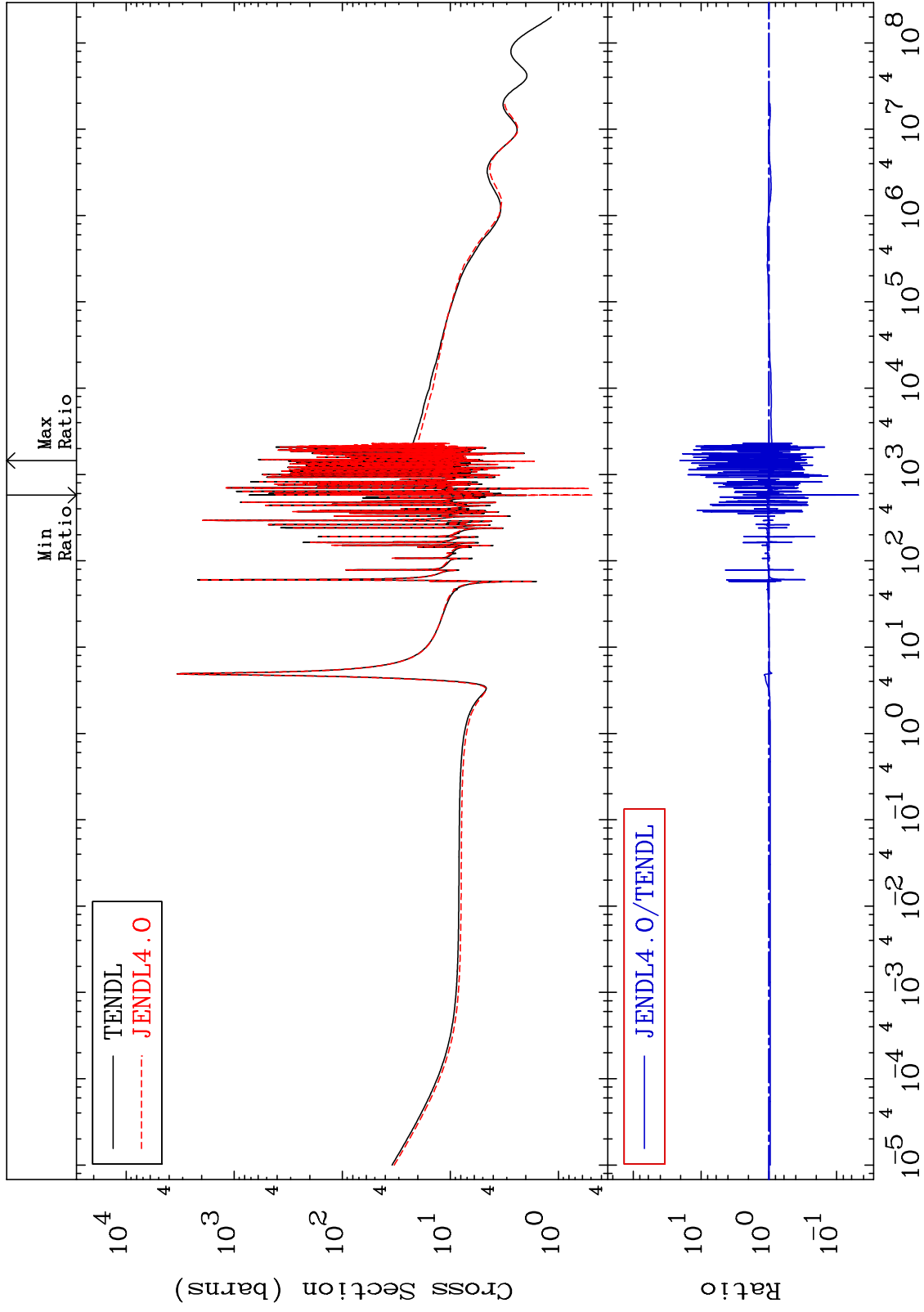


Incident Energy (eV)

79-Au-197

MAT 7925

Elastic Cross Section
79-Au-197
-95.22 To 1942. %



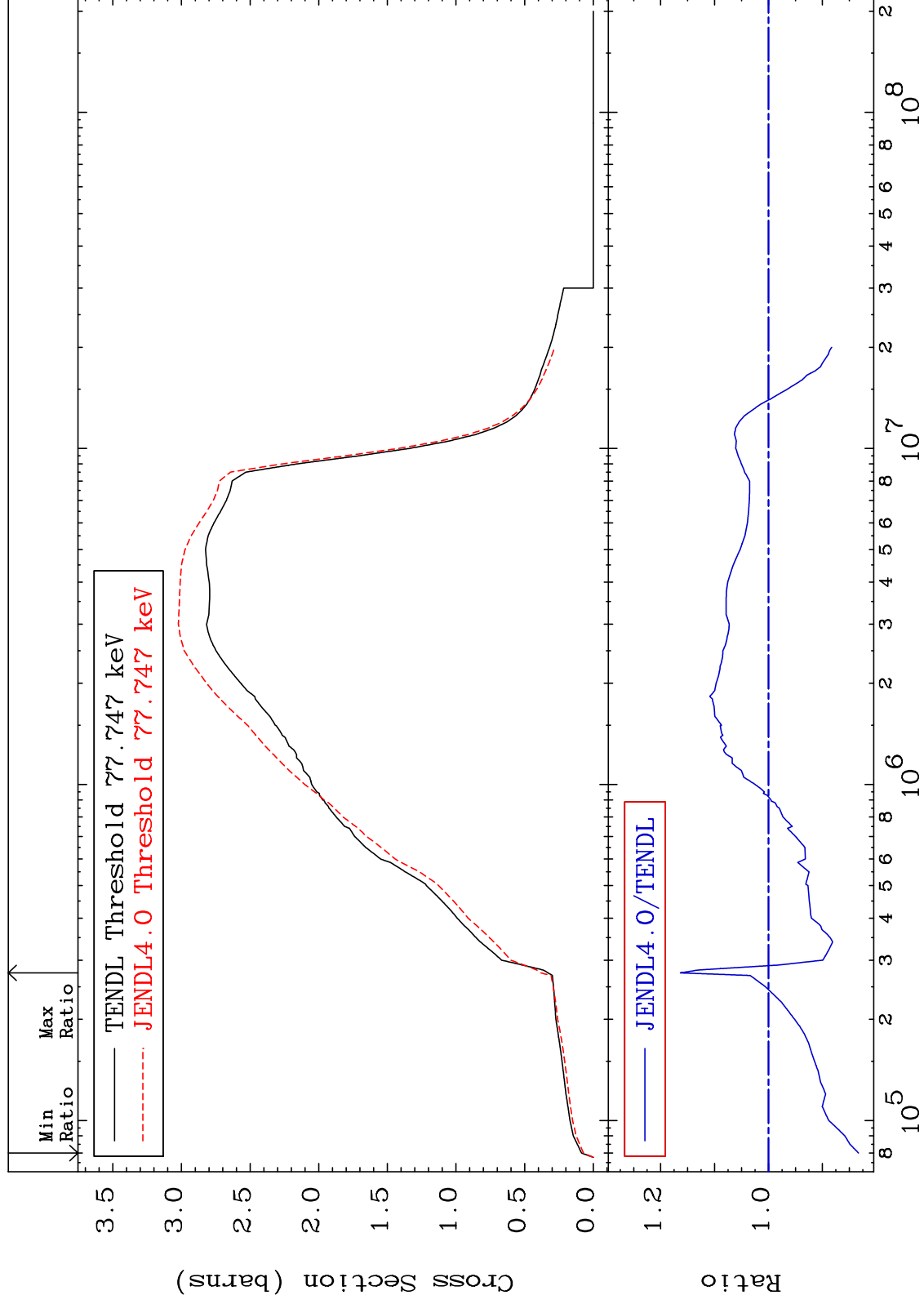
79-Au-197

Incident Energy (eV)

MAT 7925

Inelastic
Cross Section

79-Au-197
-16.70 To 16.33 %



3

Incident Energy (eV)

79-Au-197

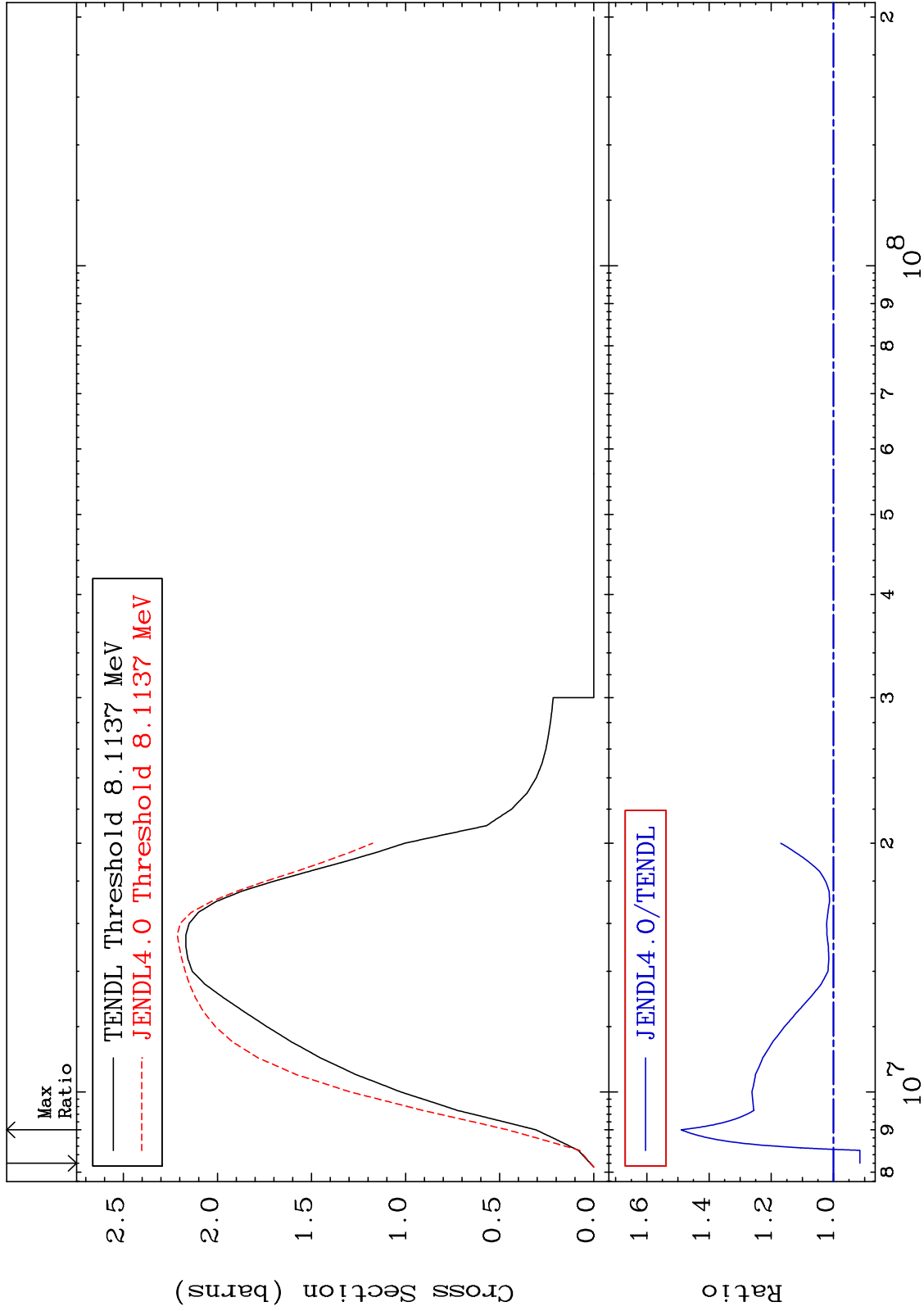
MAT 7925

(n,2n)

⁷⁹Au-197

Cross Section

-8.495 To 48.94 %



4

Incident Energy (eV)

⁷⁹Au-197

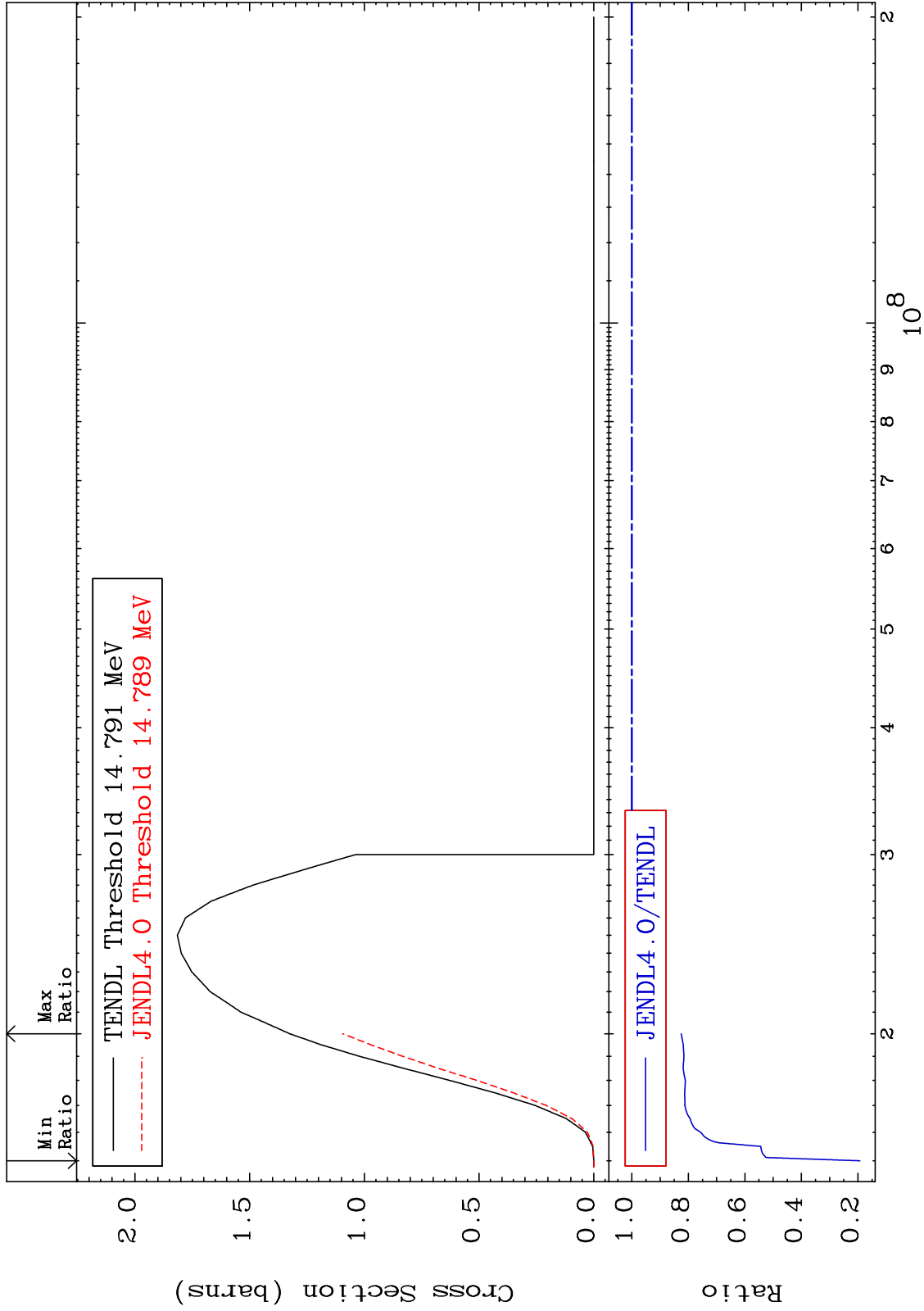
MAT 7925

(n, 3n)

⁷⁹Au-197

Cross Section

-80.72 To -17.47%



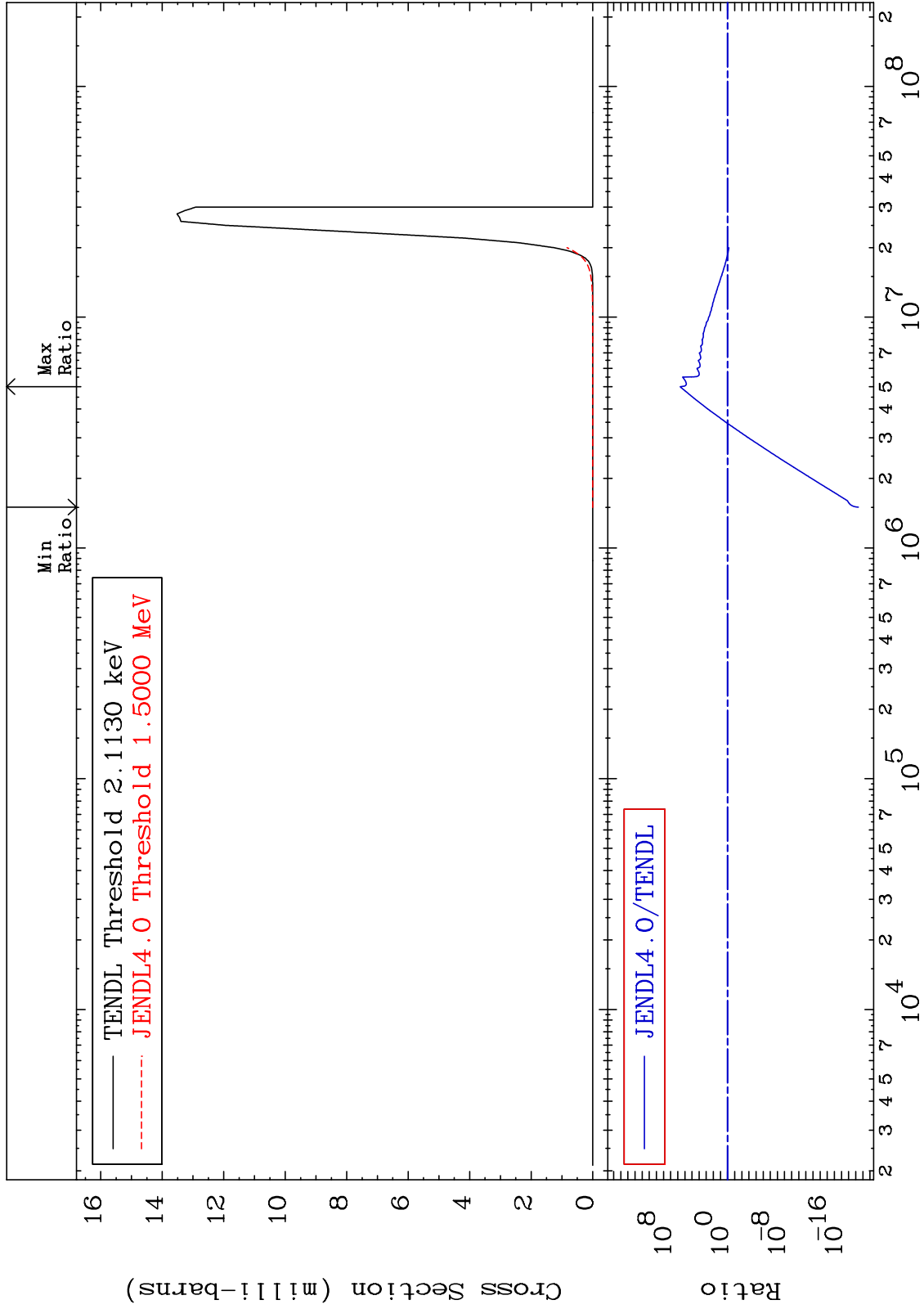
MAT 7925

(n, n') α

79-Au-197

Cross Section

-100.0 To 9999. %



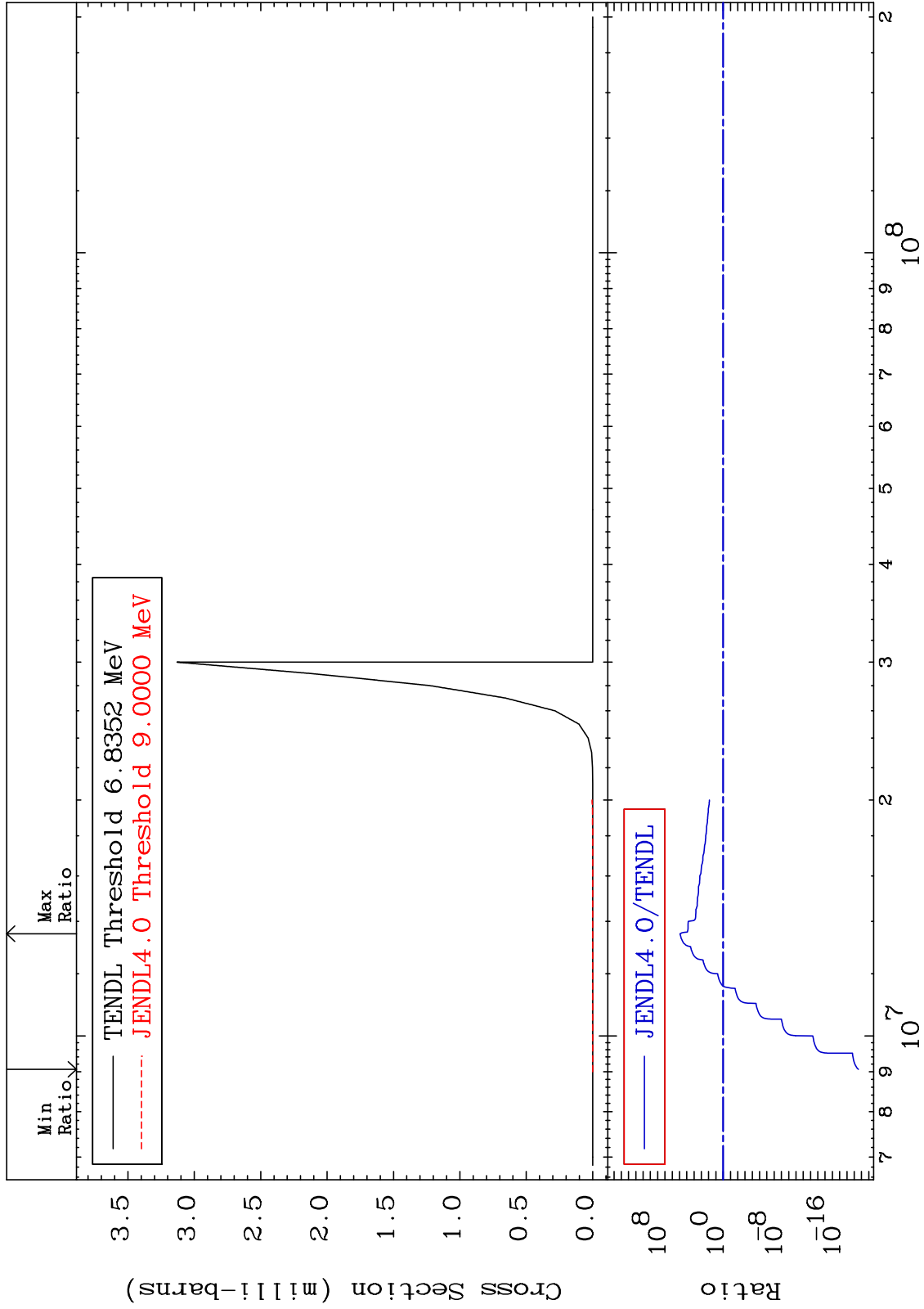
MAT 7925

(n,2n) α

79-Au-197

Cross Section

-100.0 To 9999. %



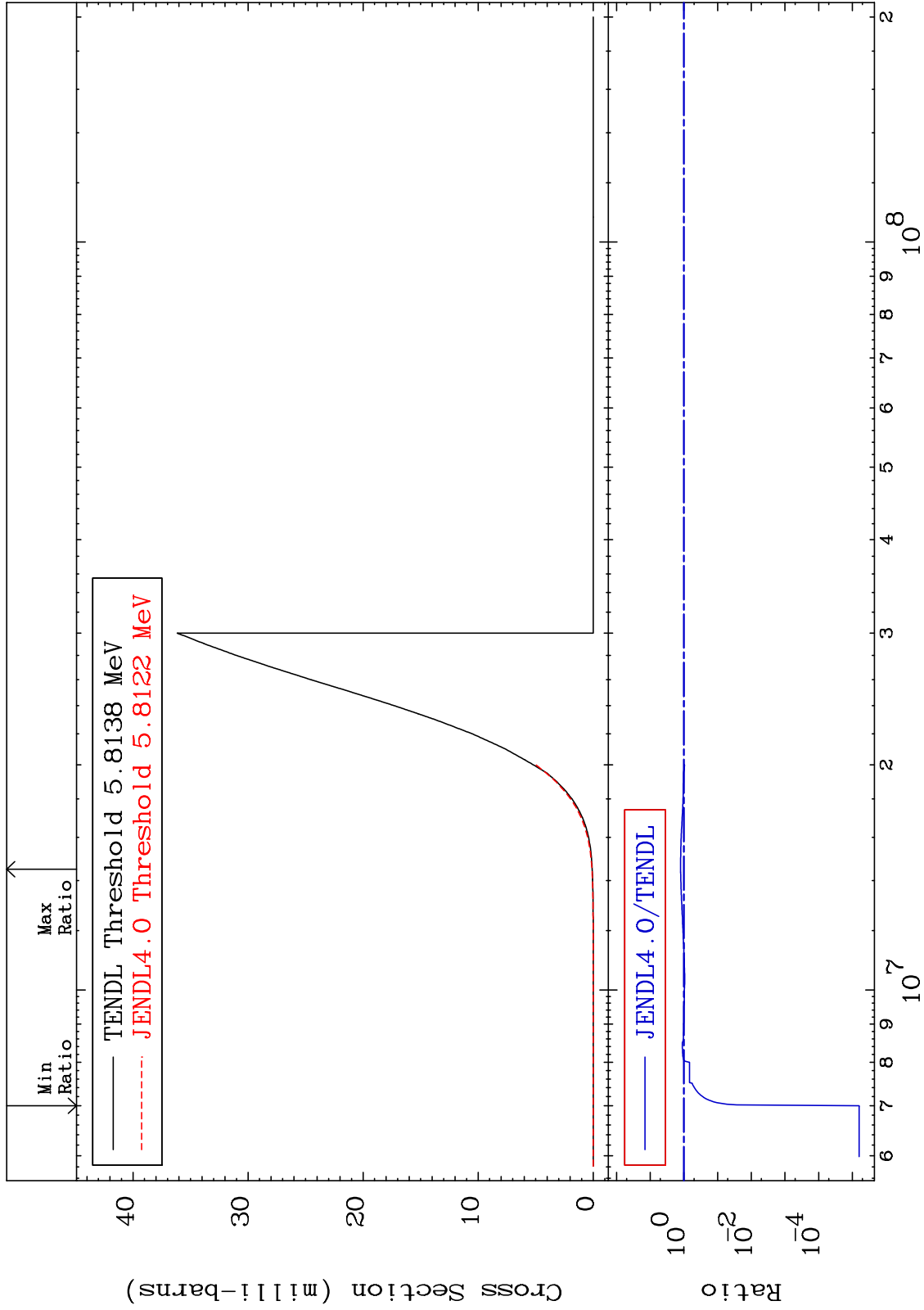
MAT 7925

(n,n') p

79-Au-197

Cross Section

-100.0 To 24.91 %



8

Incident Energy (eV)

79-Au-197

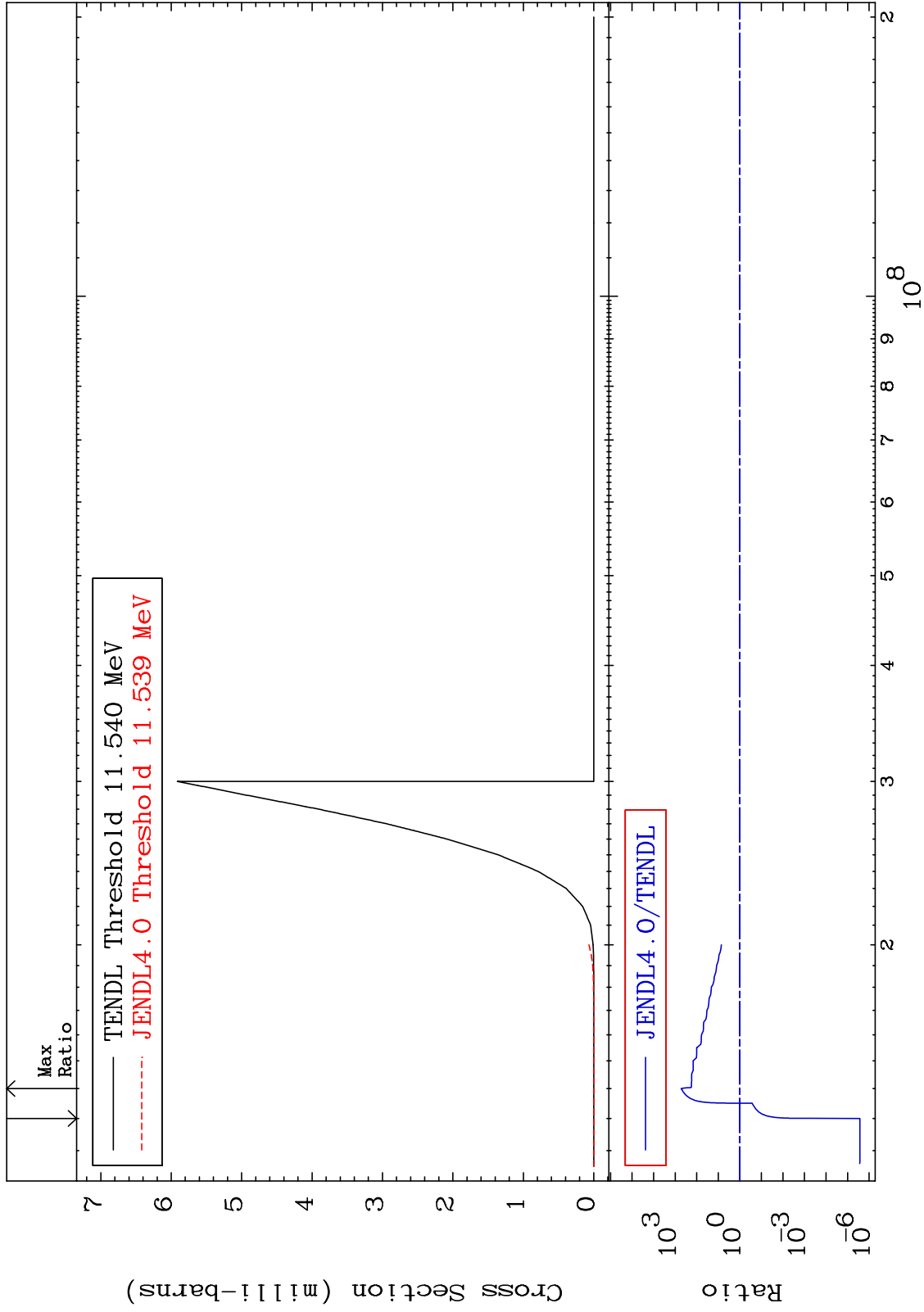
MAT 7925

(n,n') d

79-Au-197

Cross Section

-100.0 To 9999. %



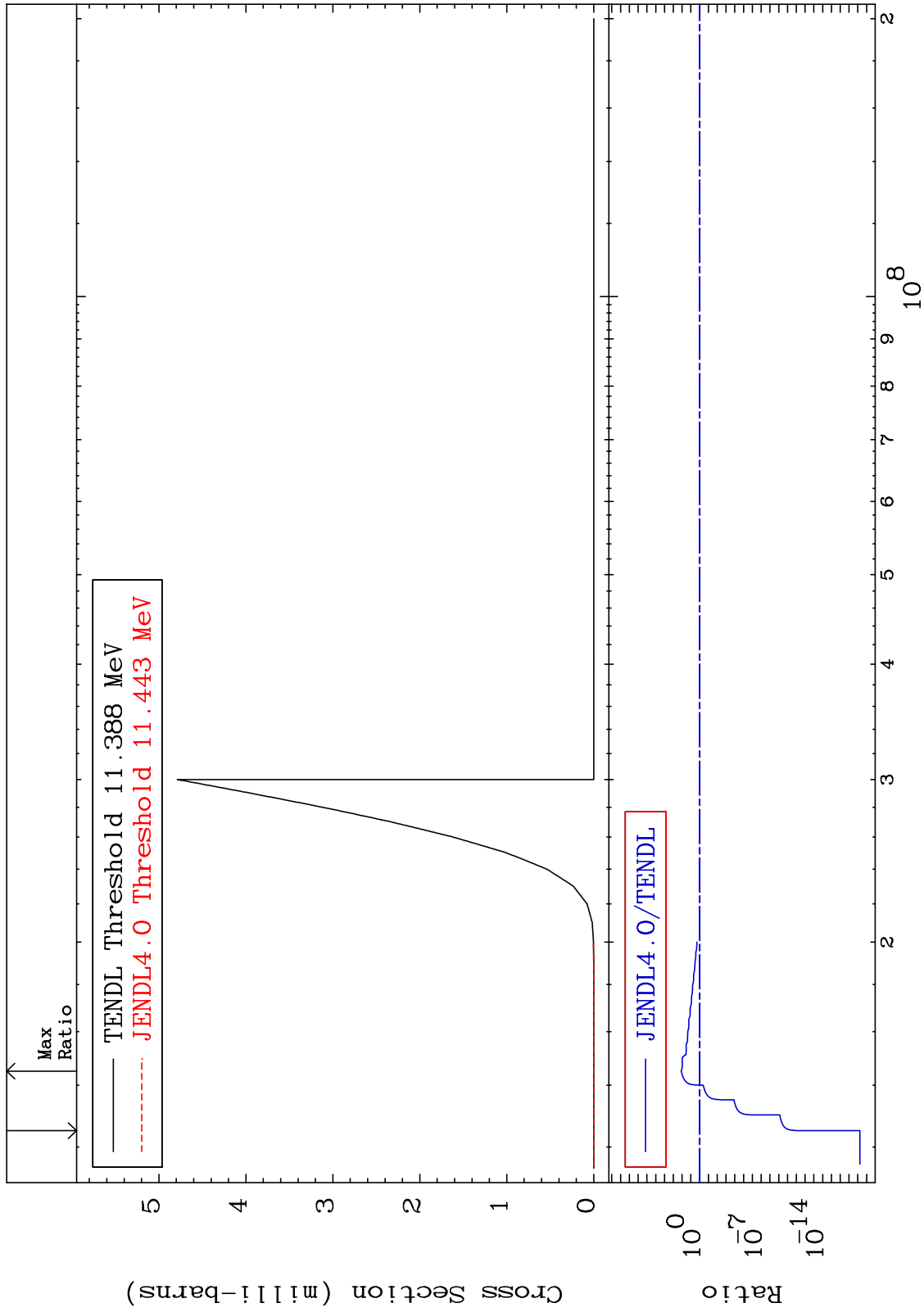
MAT 7925

(n,n') t

79-Au-197

Cross Section

-100.0 To 9999. %



10

Incident Energy (eV)

79-Au-197

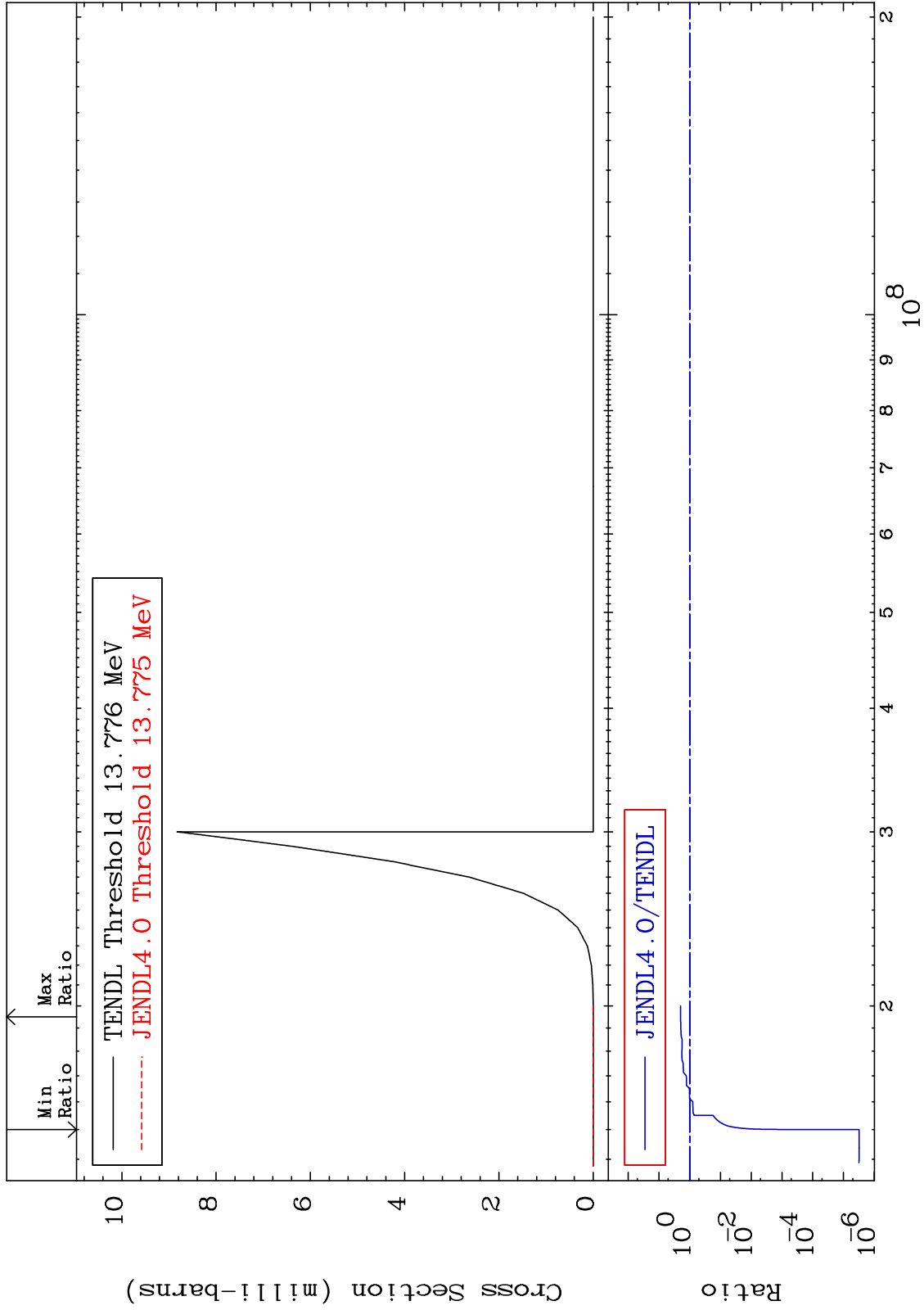
MAT 7925

(n,2n) p

79-Au-197

Cross Section

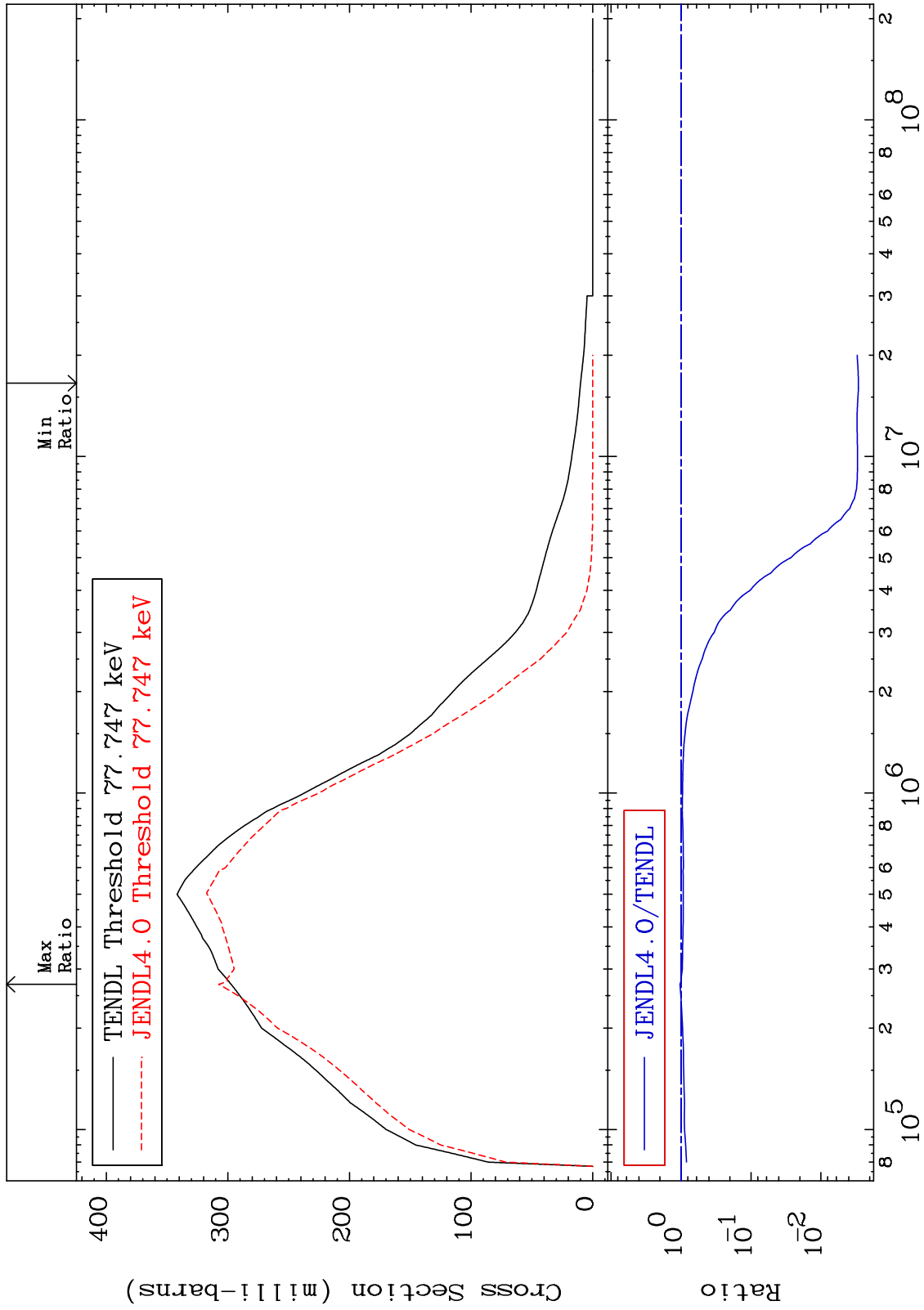
-100.0 To 96.21 %



MAT 7925

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

79-Au-197
-99.71 To 3.402 %



12

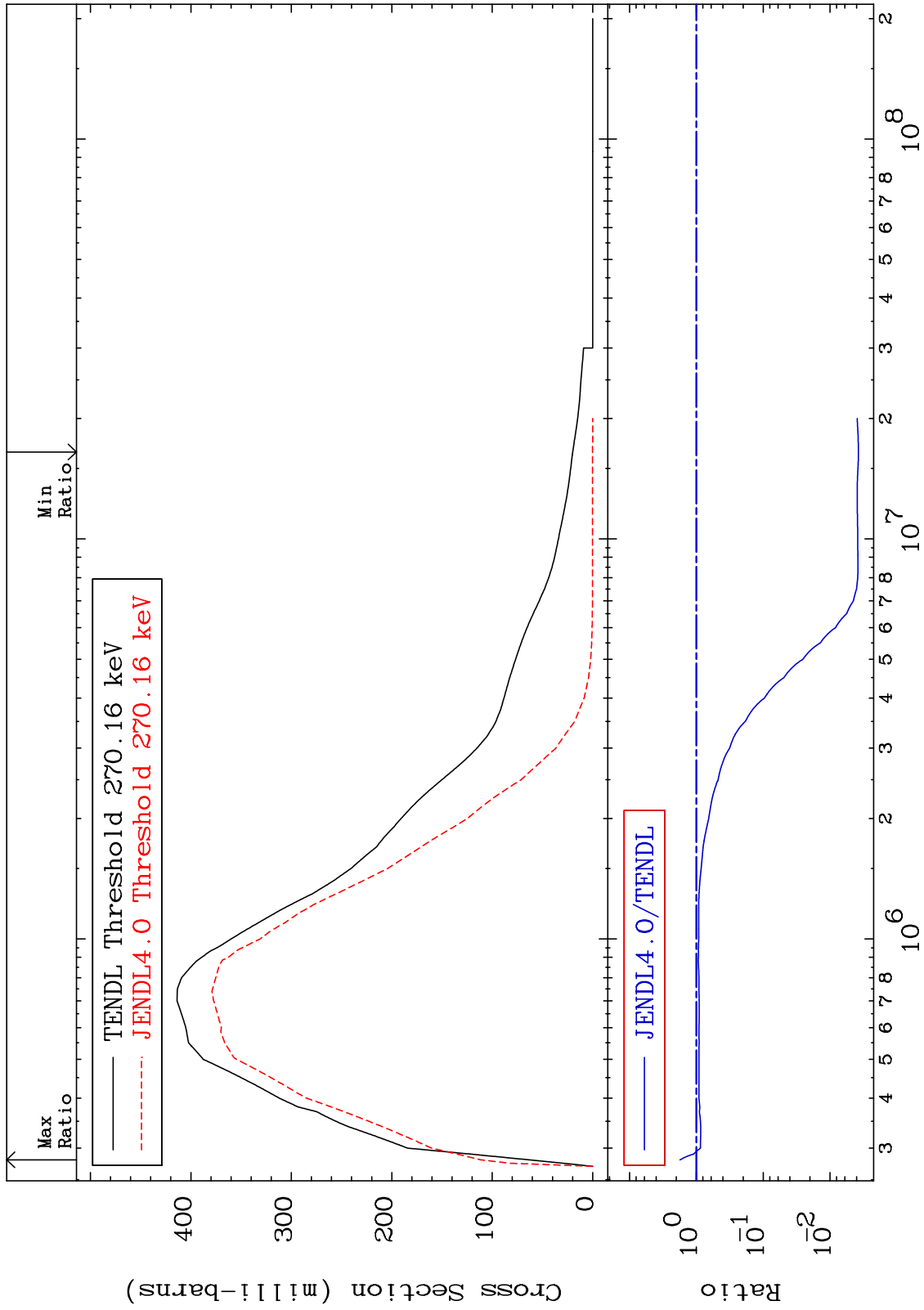
Incident Energy (eV)

79-Au-197

MAT 7925

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

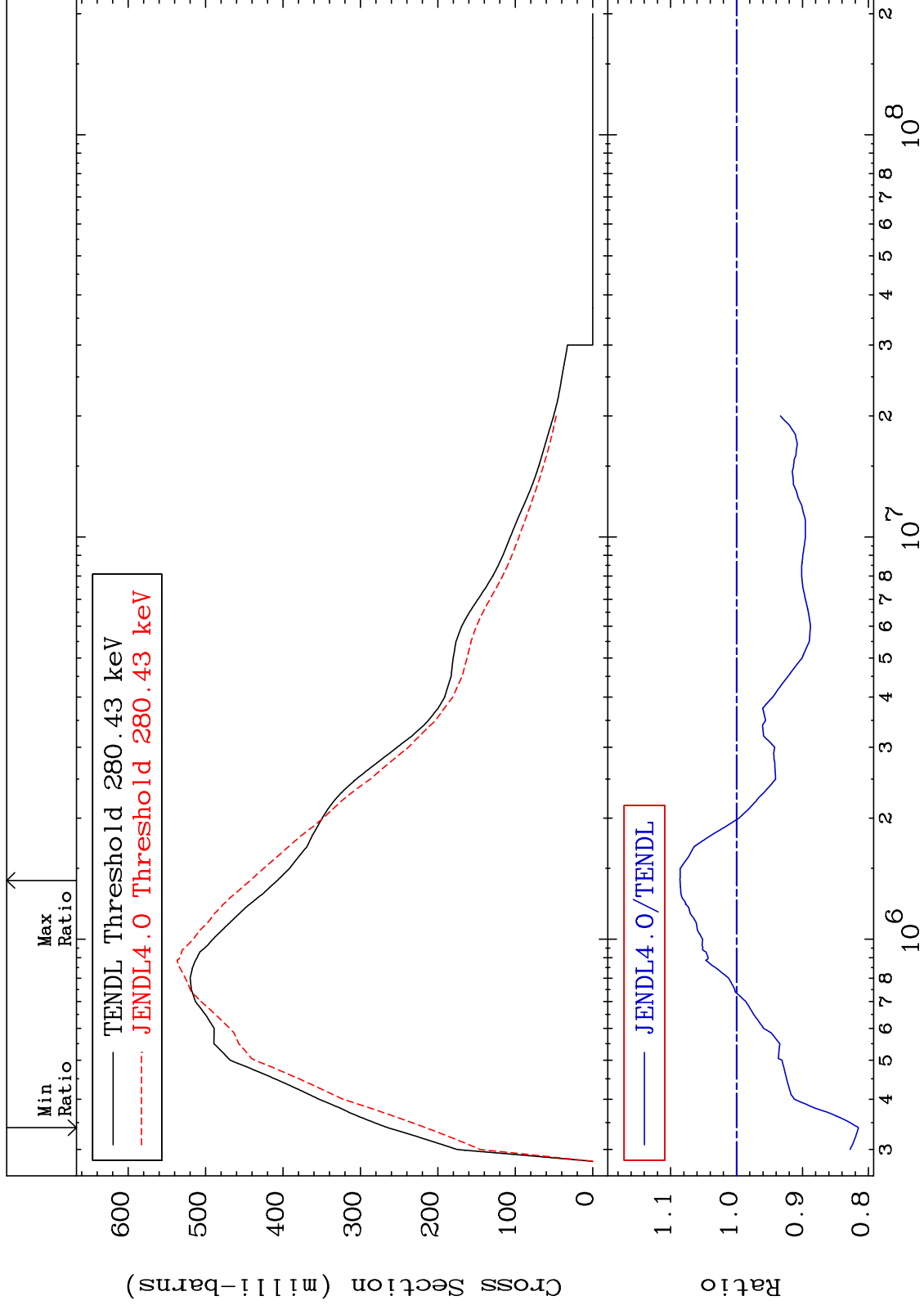
79-Au-197
-99.62 To 75.75 %



MAT 7925

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

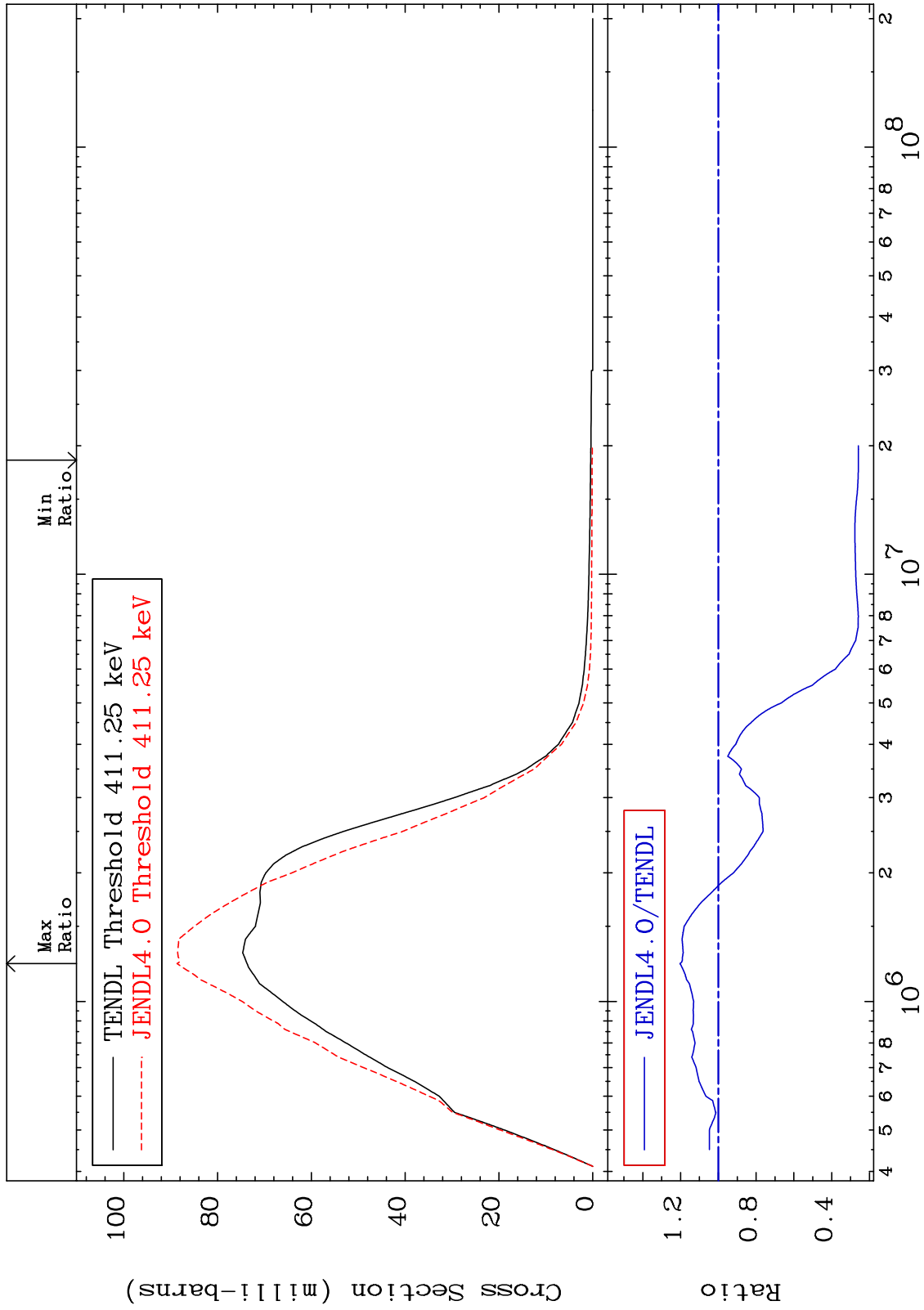
79-Au-197
-18.48 To 8.578 %



MAT 7925

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

79-Au-197
-74.17 To 20.28 %



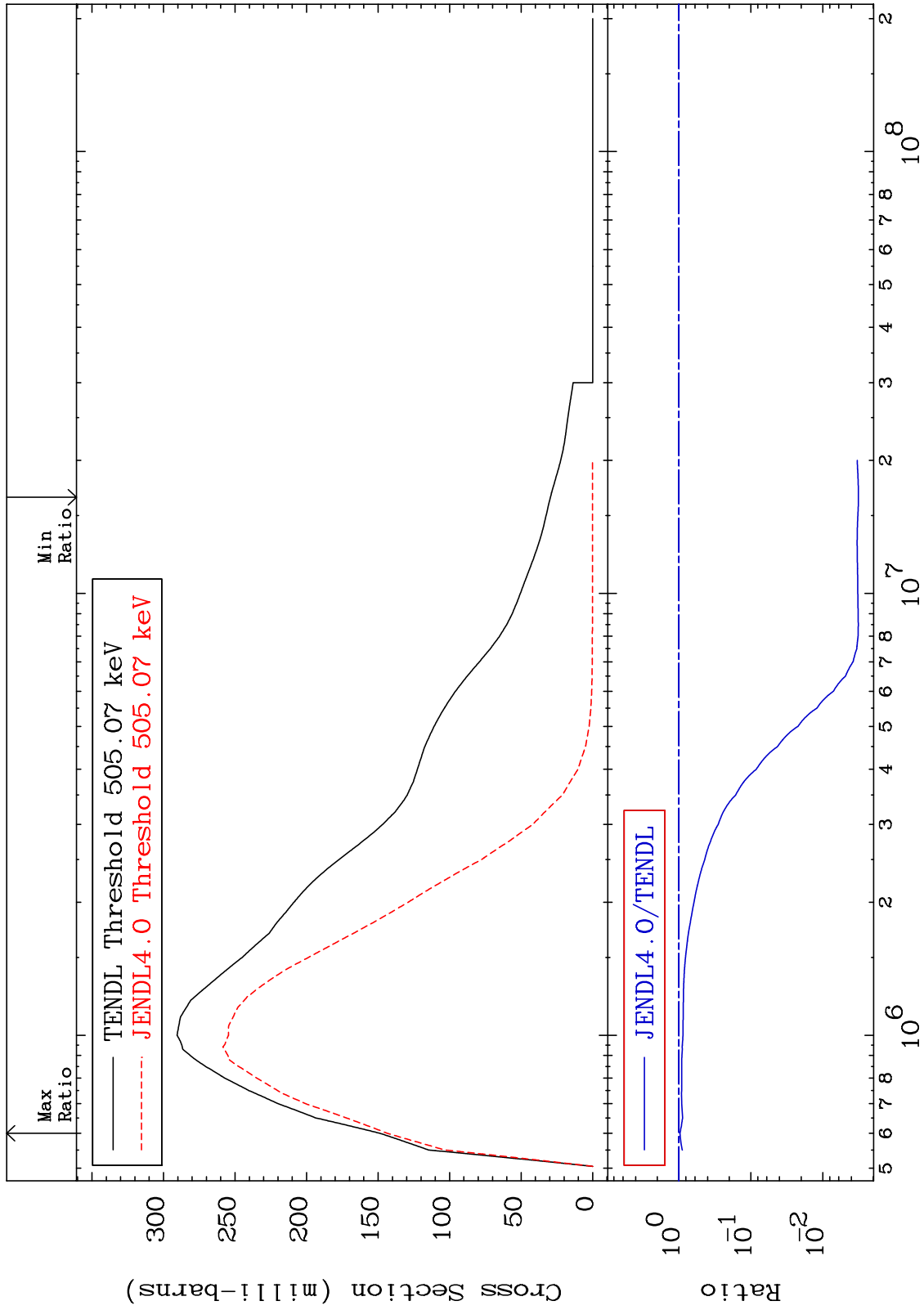
15

79-Au-197

MAT 7925

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

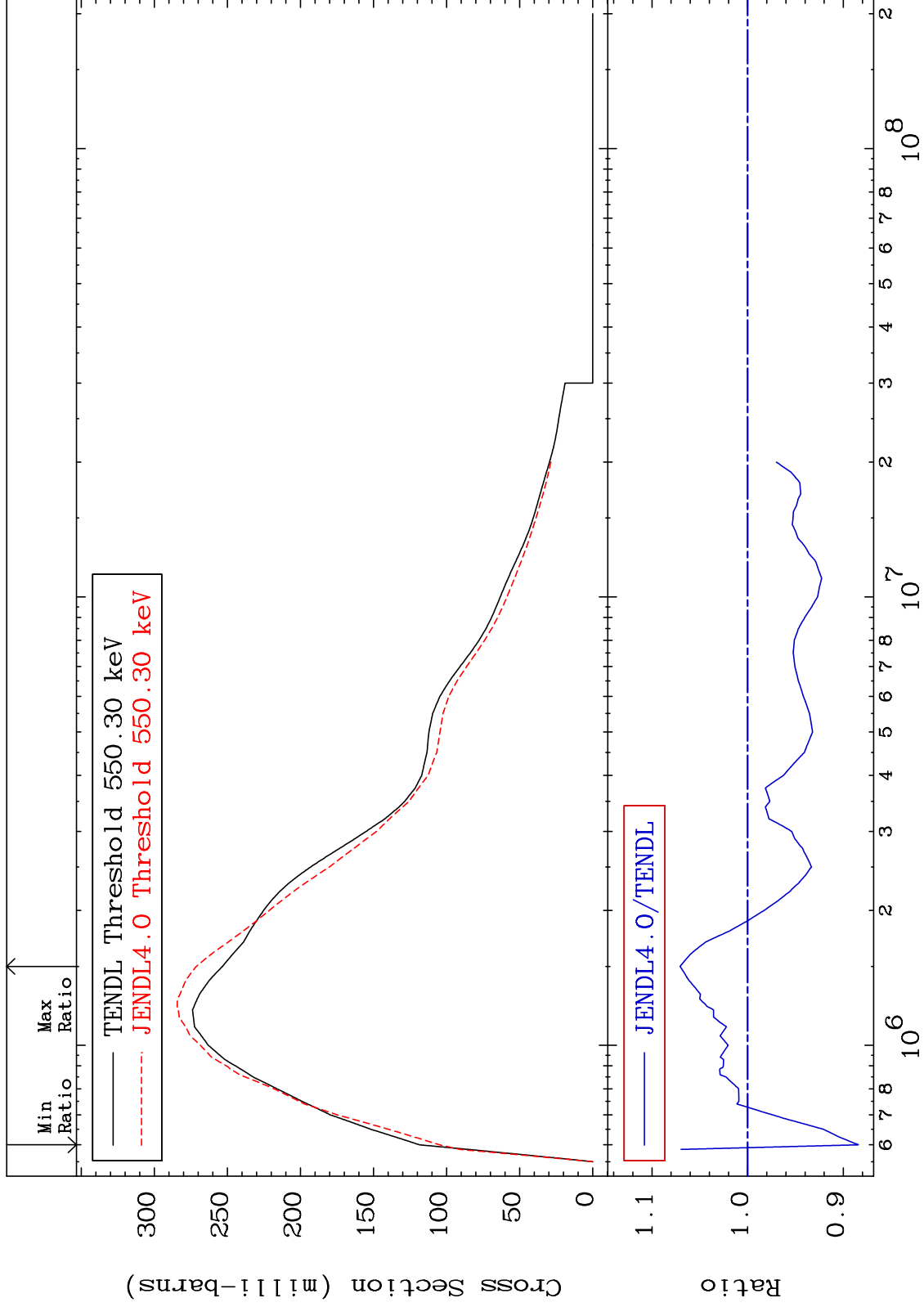
79-Au-197
-99.68 To -3.405%



MAT 7925

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

79-Au-197
-11.57 To 7.069 %

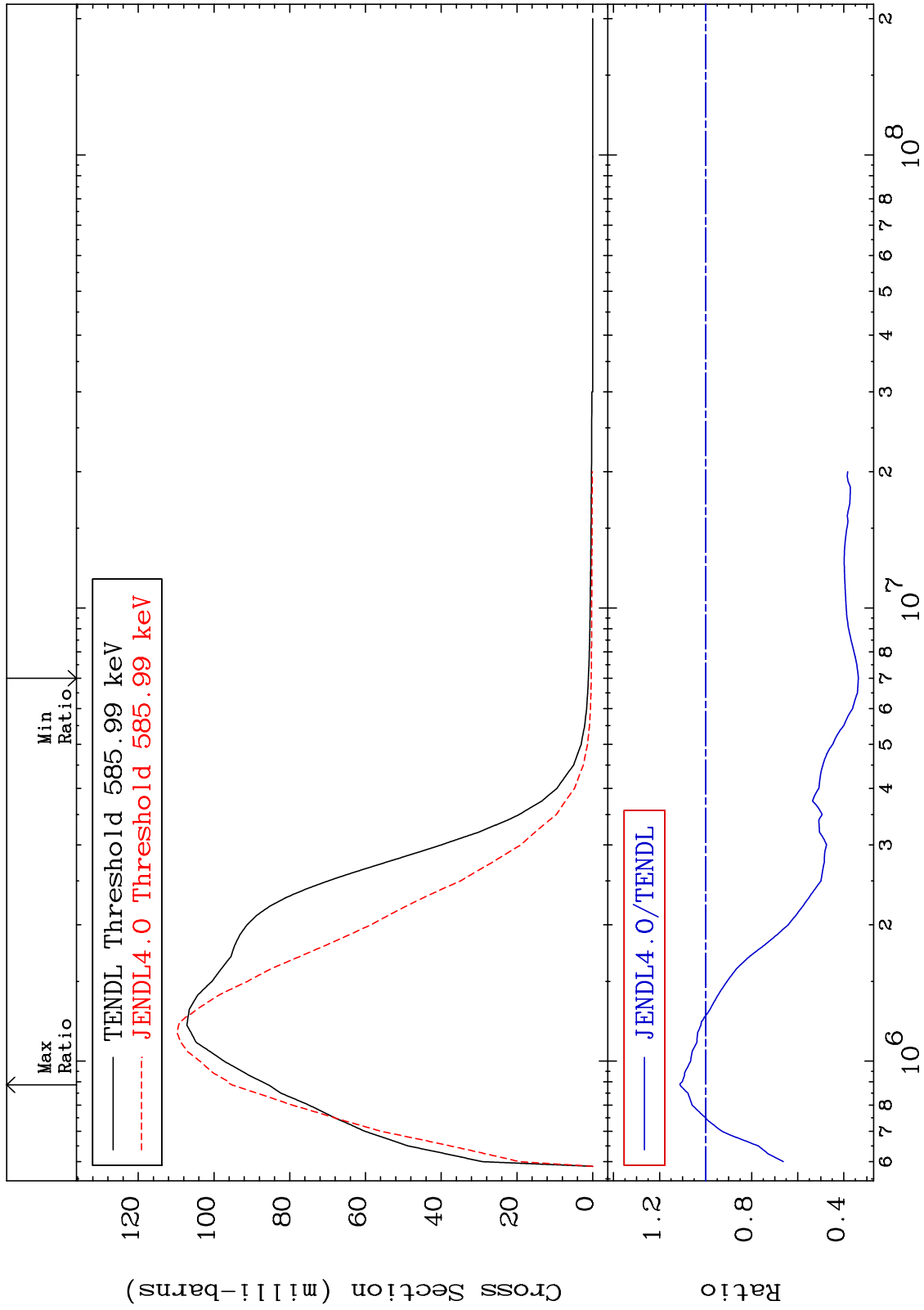


17

Incident Energy (eV)

79-Au-197

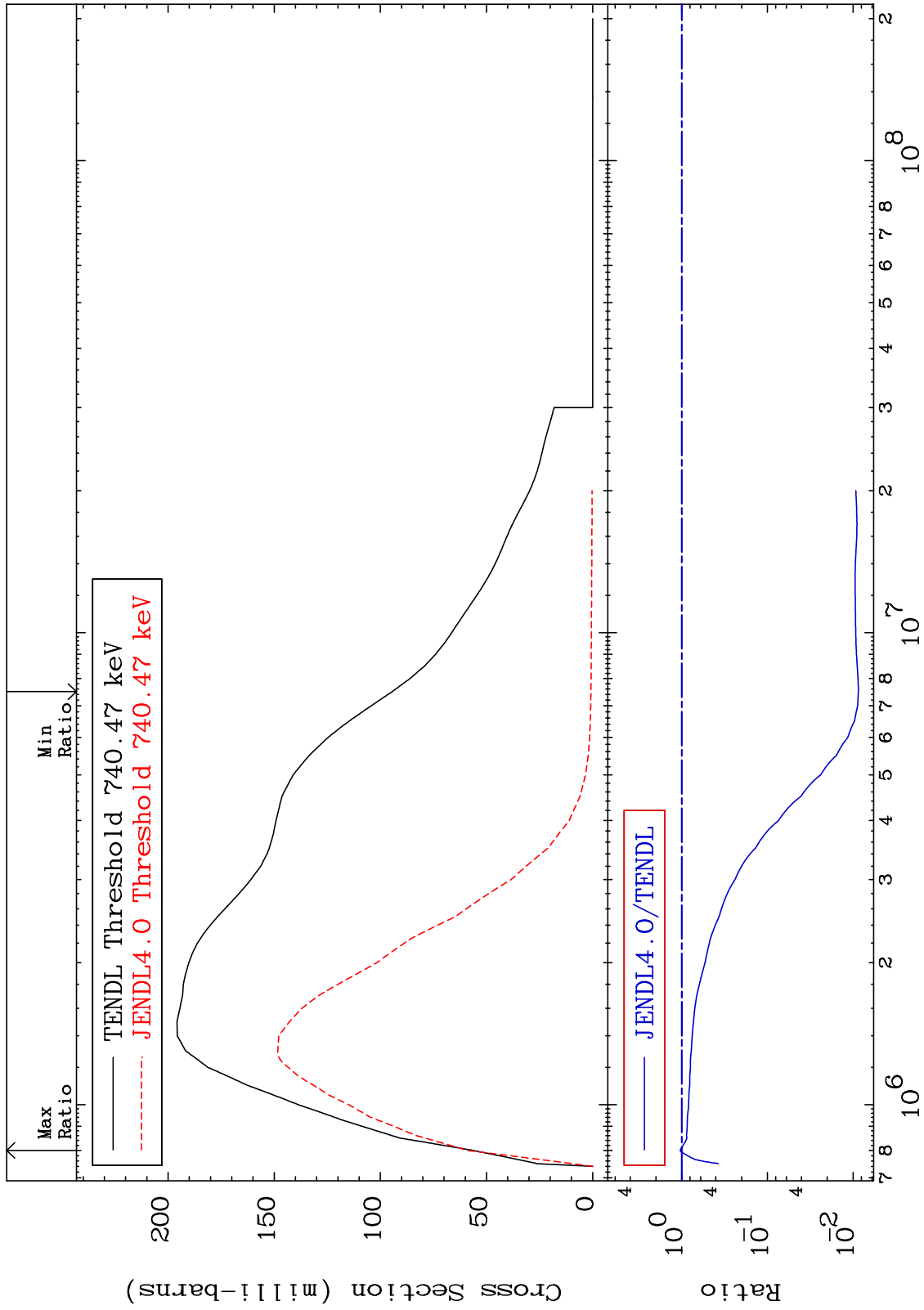
MAT 7925 MT= 57 (n,n') Level Cross Section -66.34 To 11.12 % 79-Au-197



MAT 7925

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

79-Au-197
-99.13 To 4.715 %



19

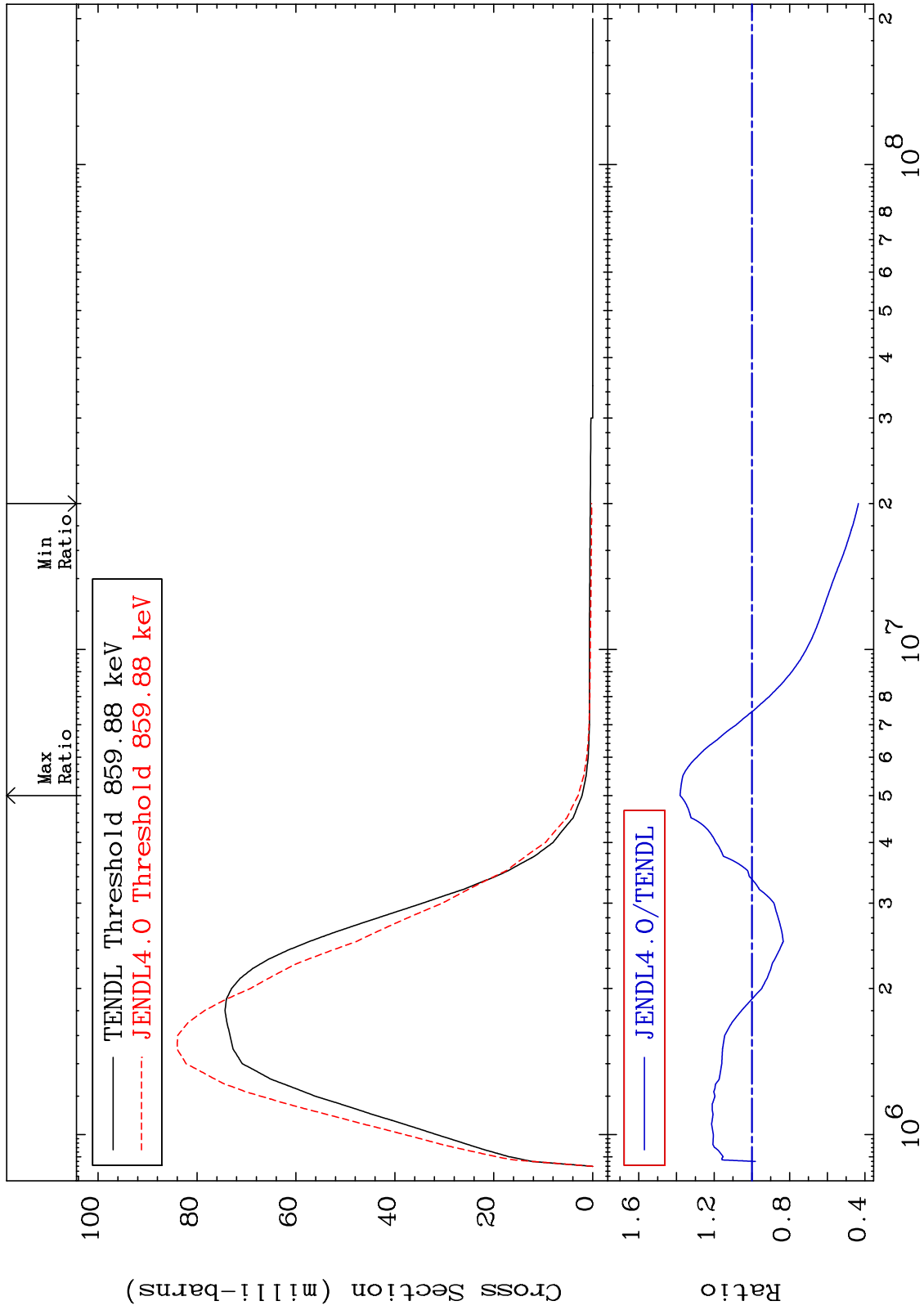
Incident Energy (eV)

79-Au-197

MAT 7925

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

79-Au-197
-56.50 To 38.14 %

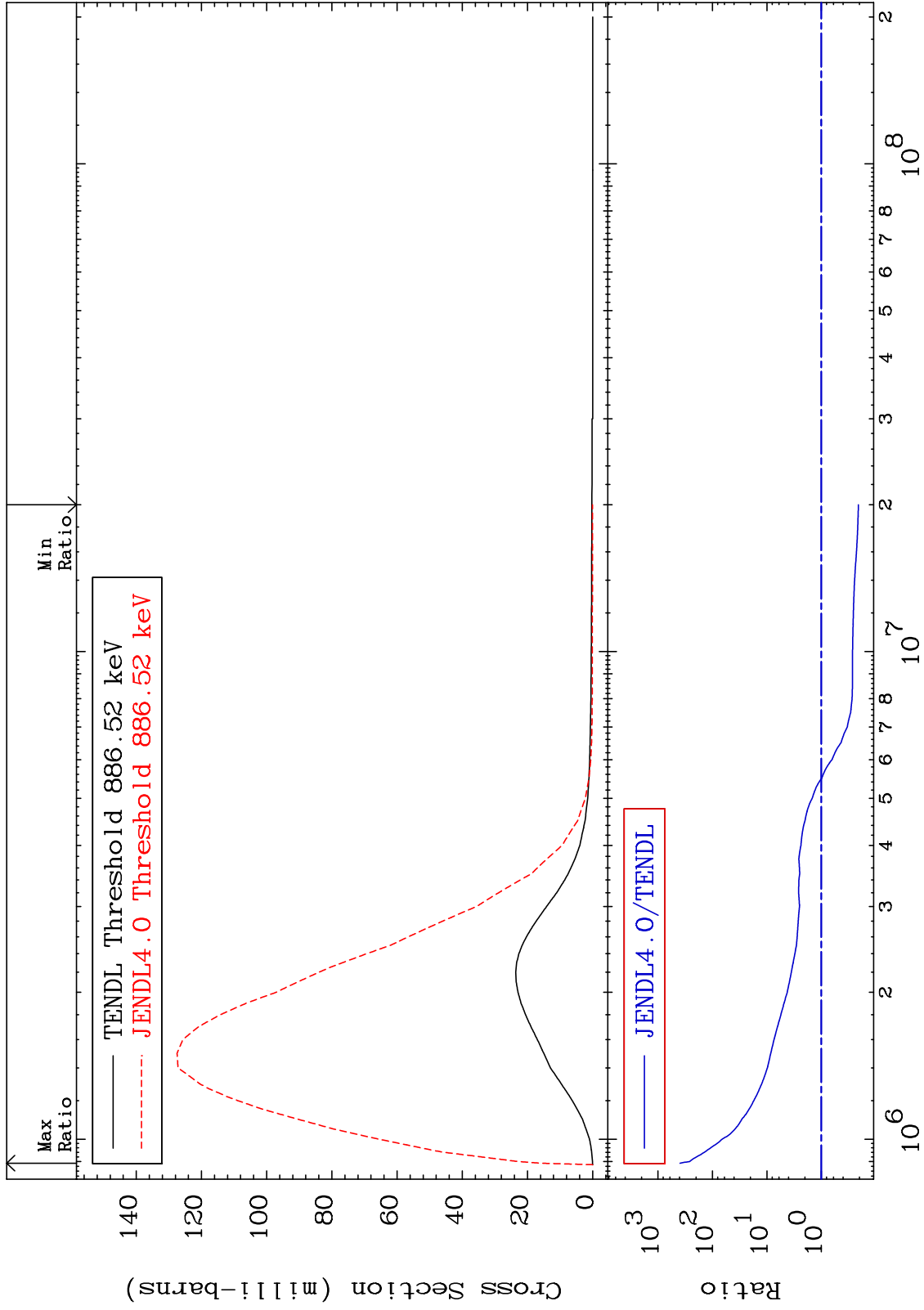


20 79-Au-197

MAT 7925

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

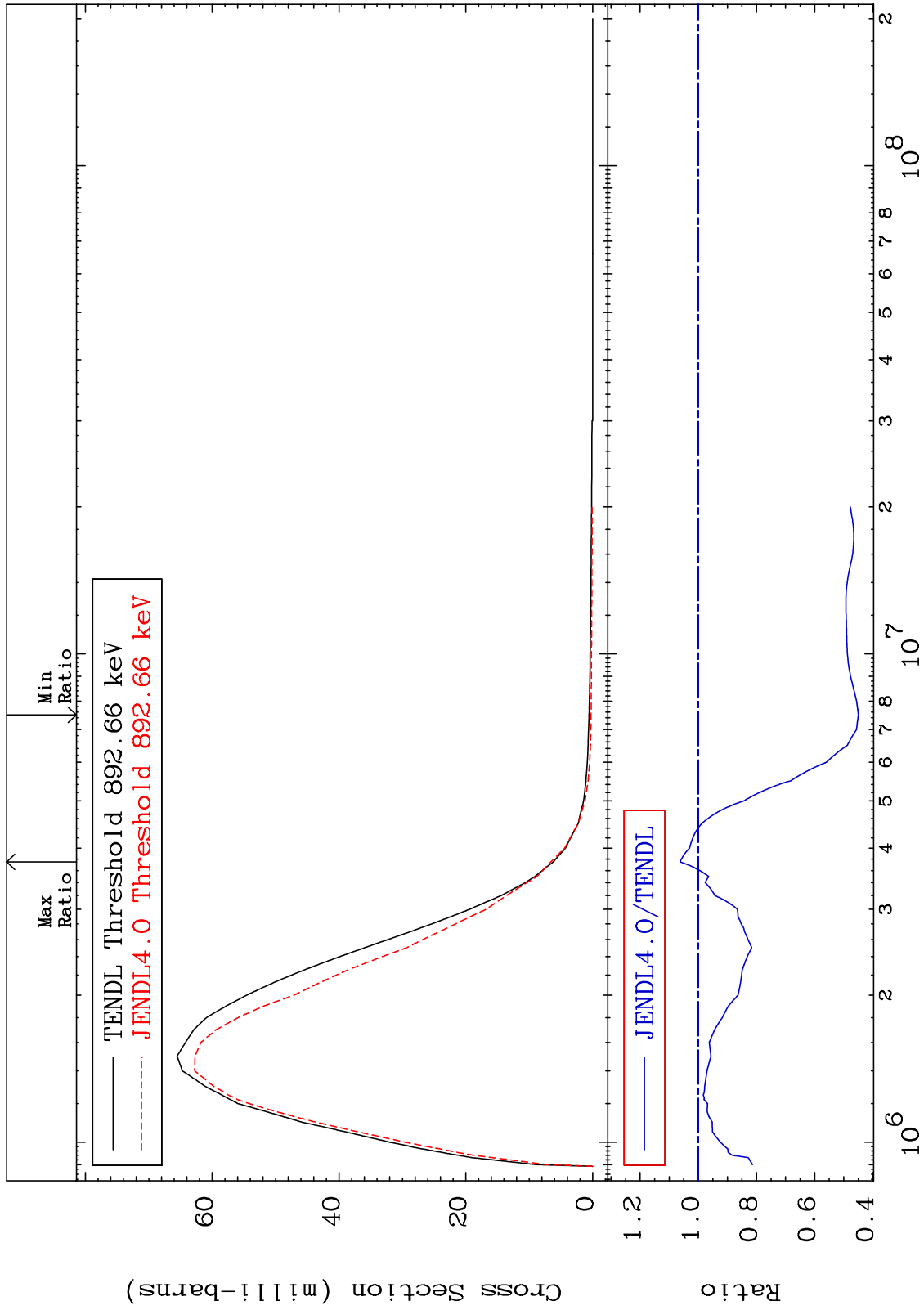
79-Au-197
-79.13 To 9999. %



MAT 7925

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

79-Au-197
-55.05 To 6.289 %



22

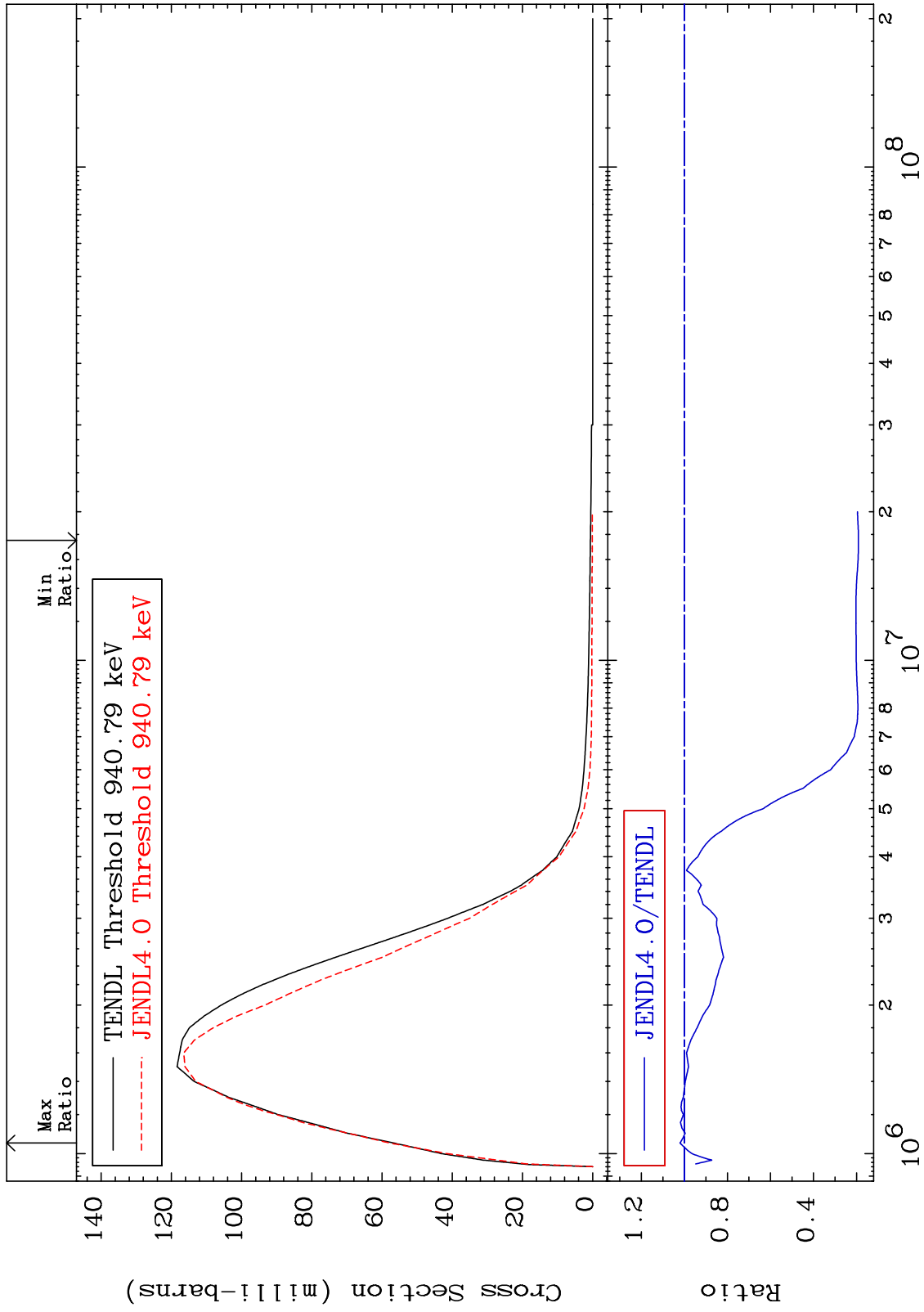
Incident Energy (eV)

79-Au-197

MAT 7925

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

79-Au-197
-80.88 To 2.027 %



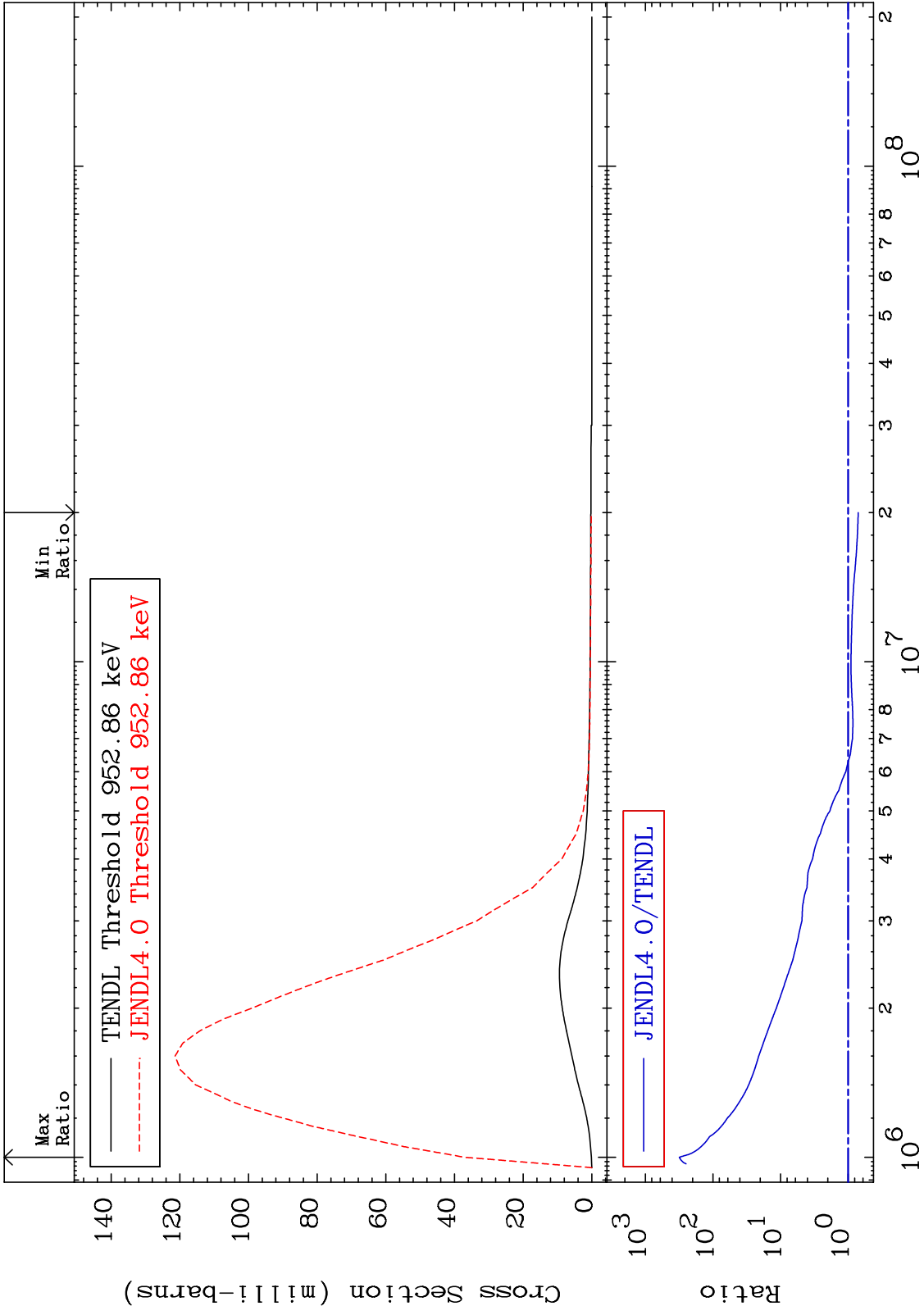
23

79-Au-197

MAT 7925

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

79-Au-197
-29.35 To 9999. %



24

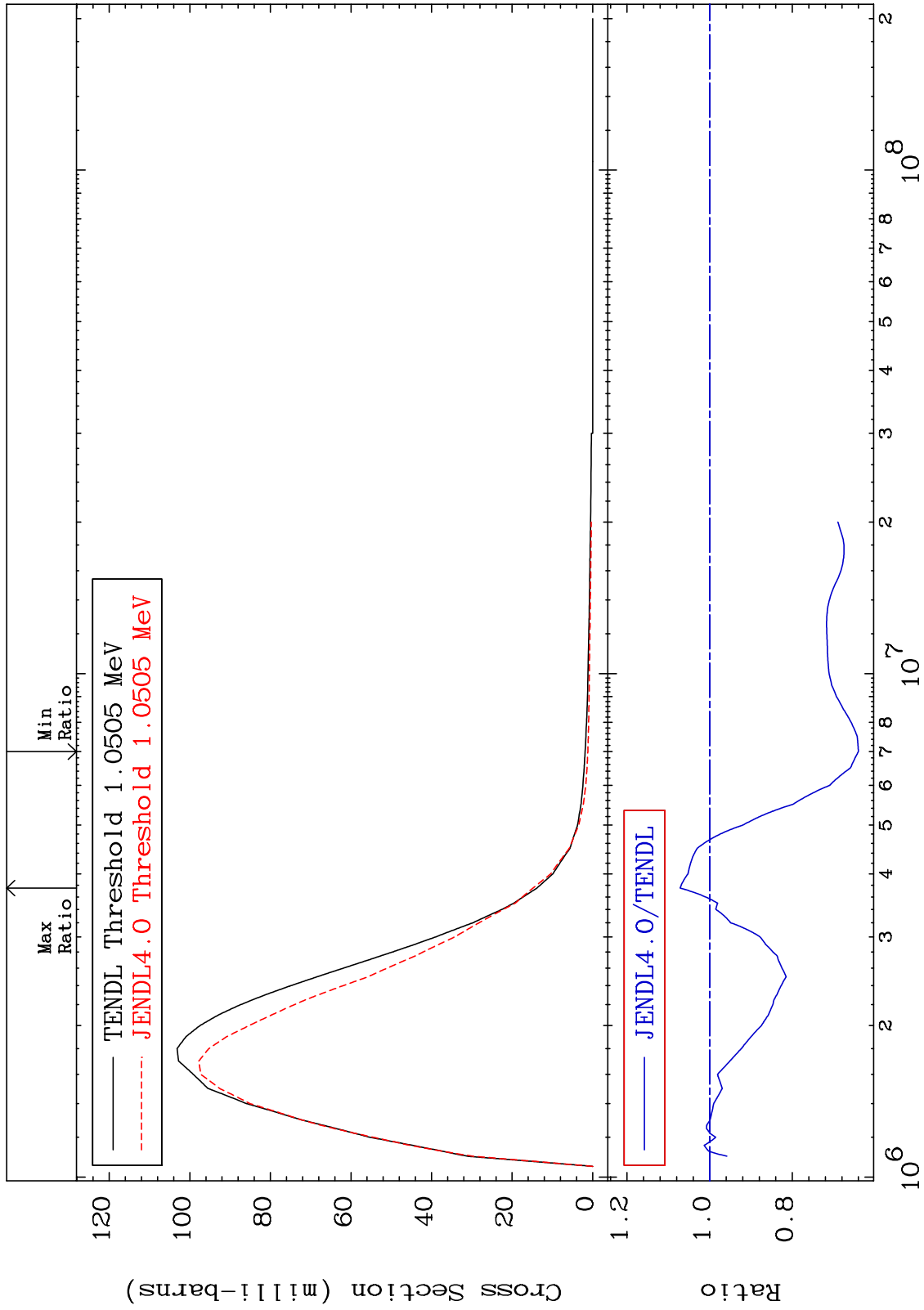
Incident Energy (eV)

79-Au-197

MAT 7925

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

79-Au-197
-35.99 To 7.180 %

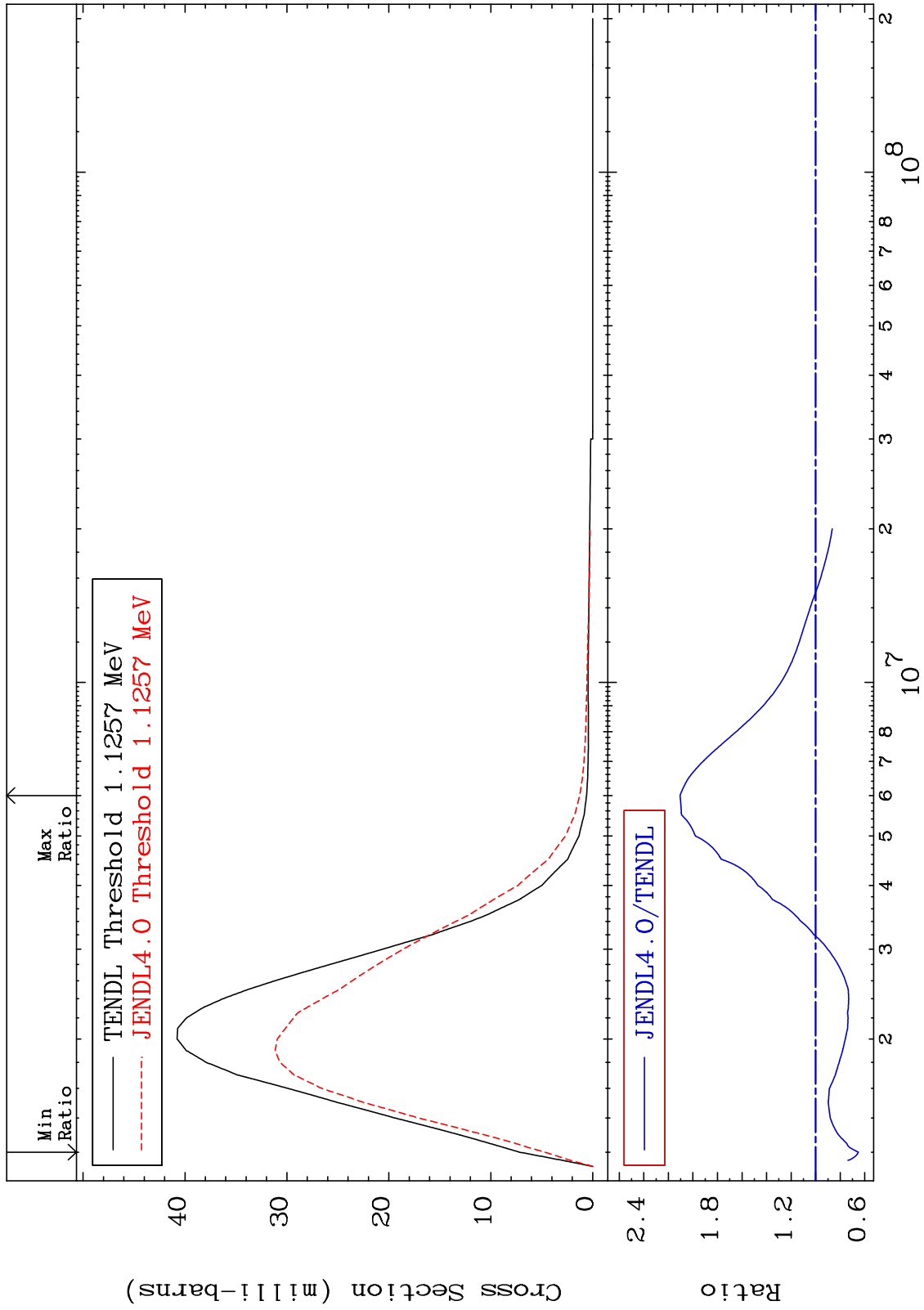


25

Incident Energy (eV)

79-Au-197

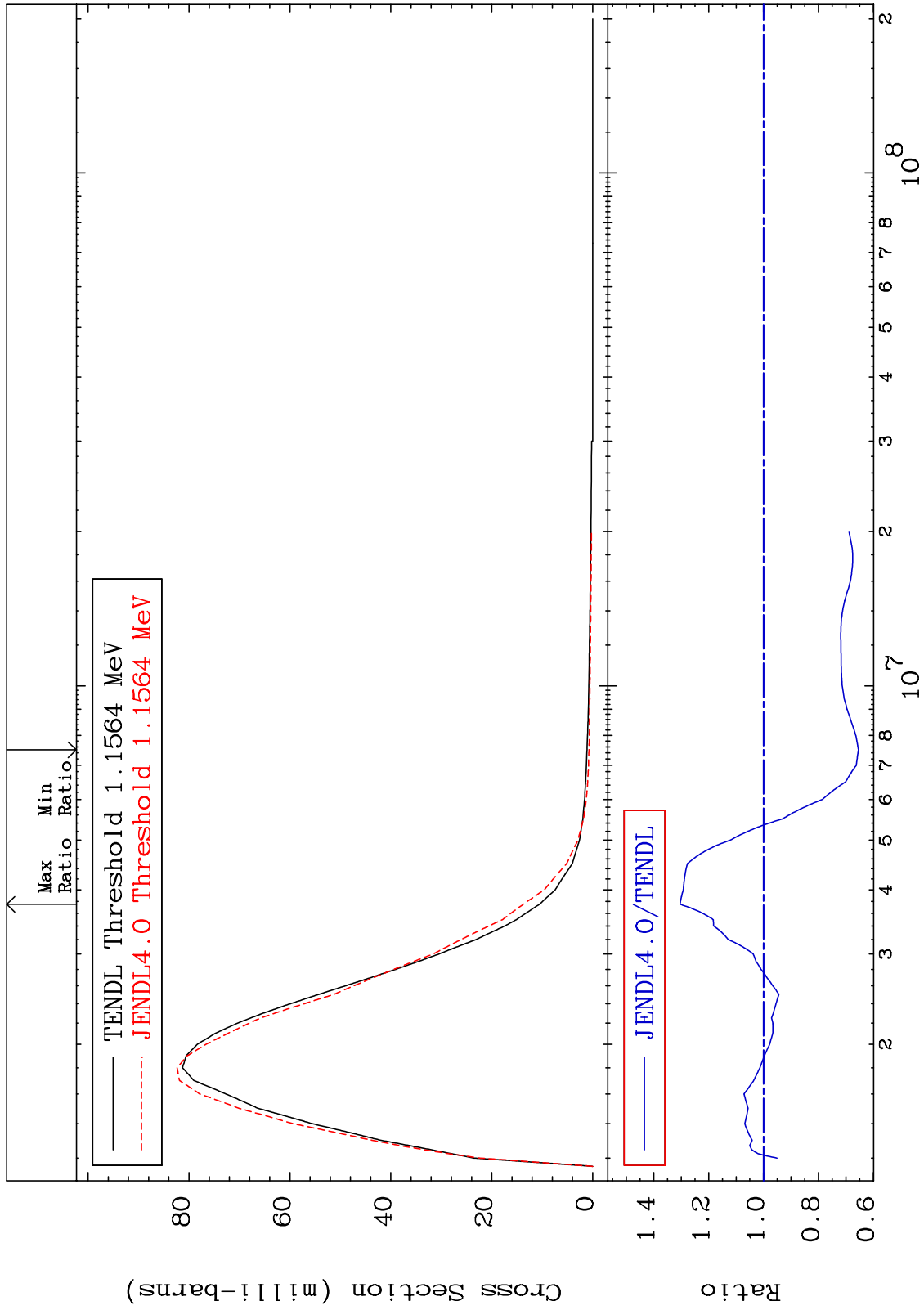
MAT 7925 MT= 65 (n,n') Level Cross Section -34.80 To 110.5 % 79-Au-197



MAT 7925

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

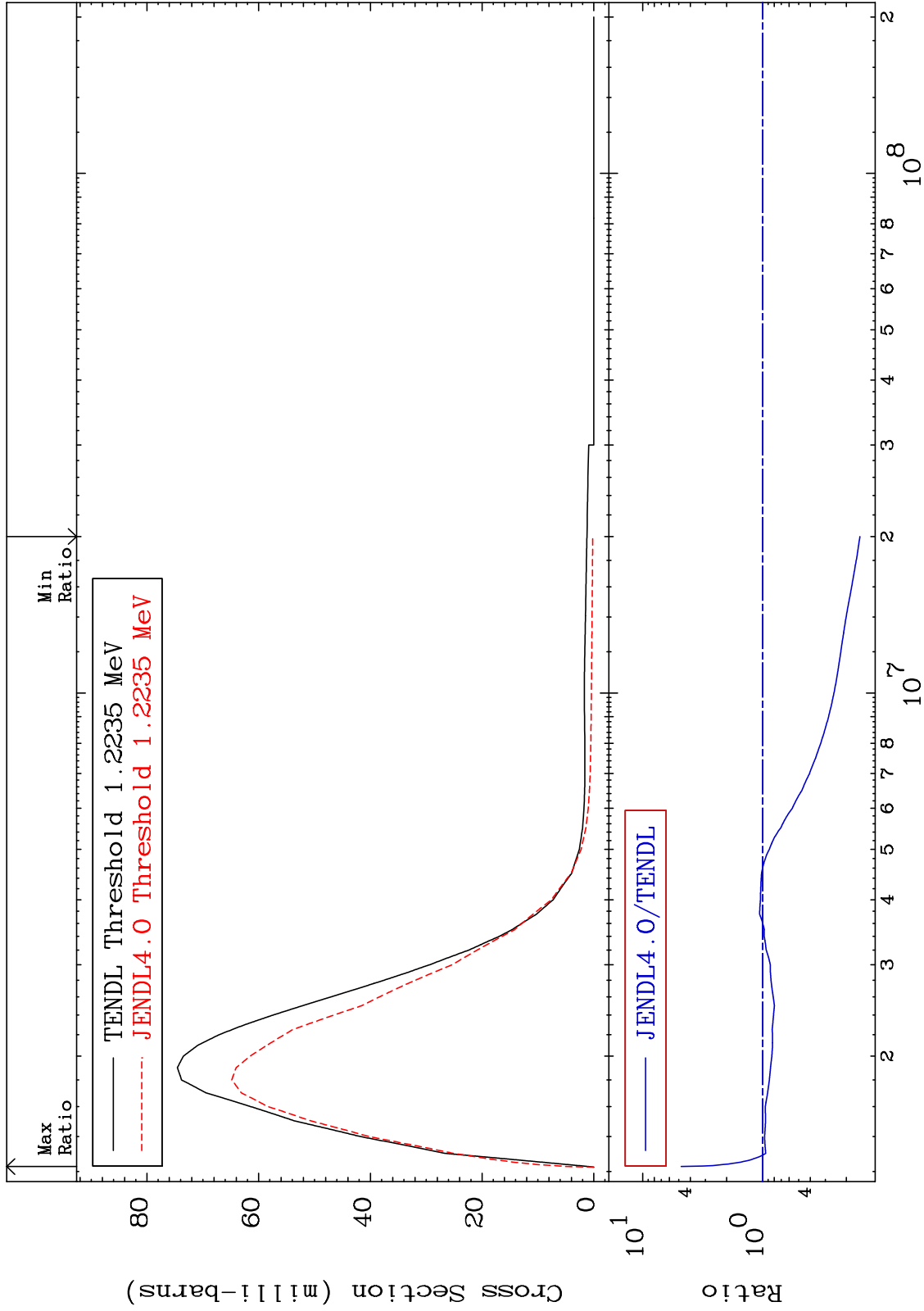
79-Au-197
-34.52 To 30.42 %



MAT 7925

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

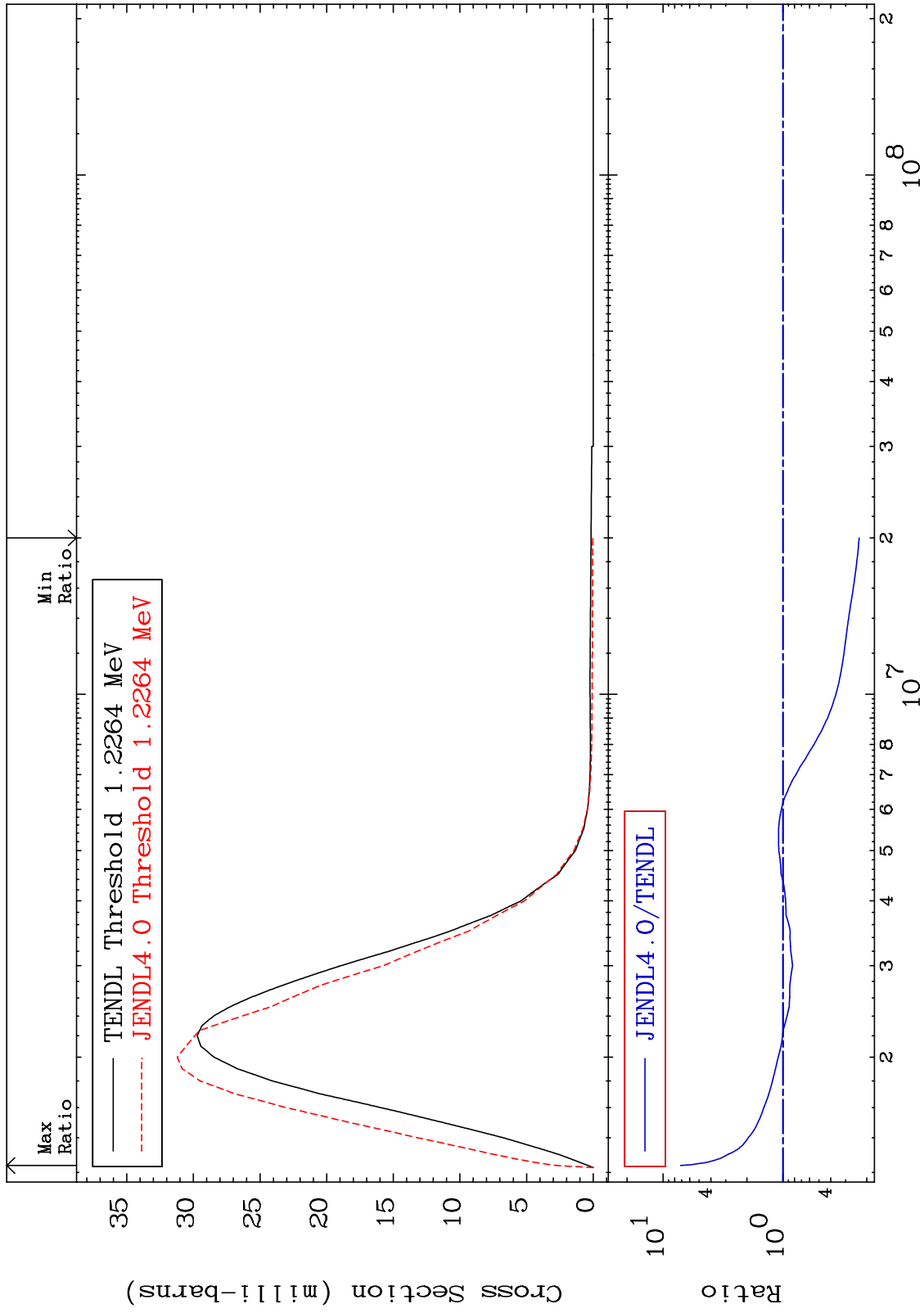
79-Au-197
-84.59 To 377.2 %



MAT 7925

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

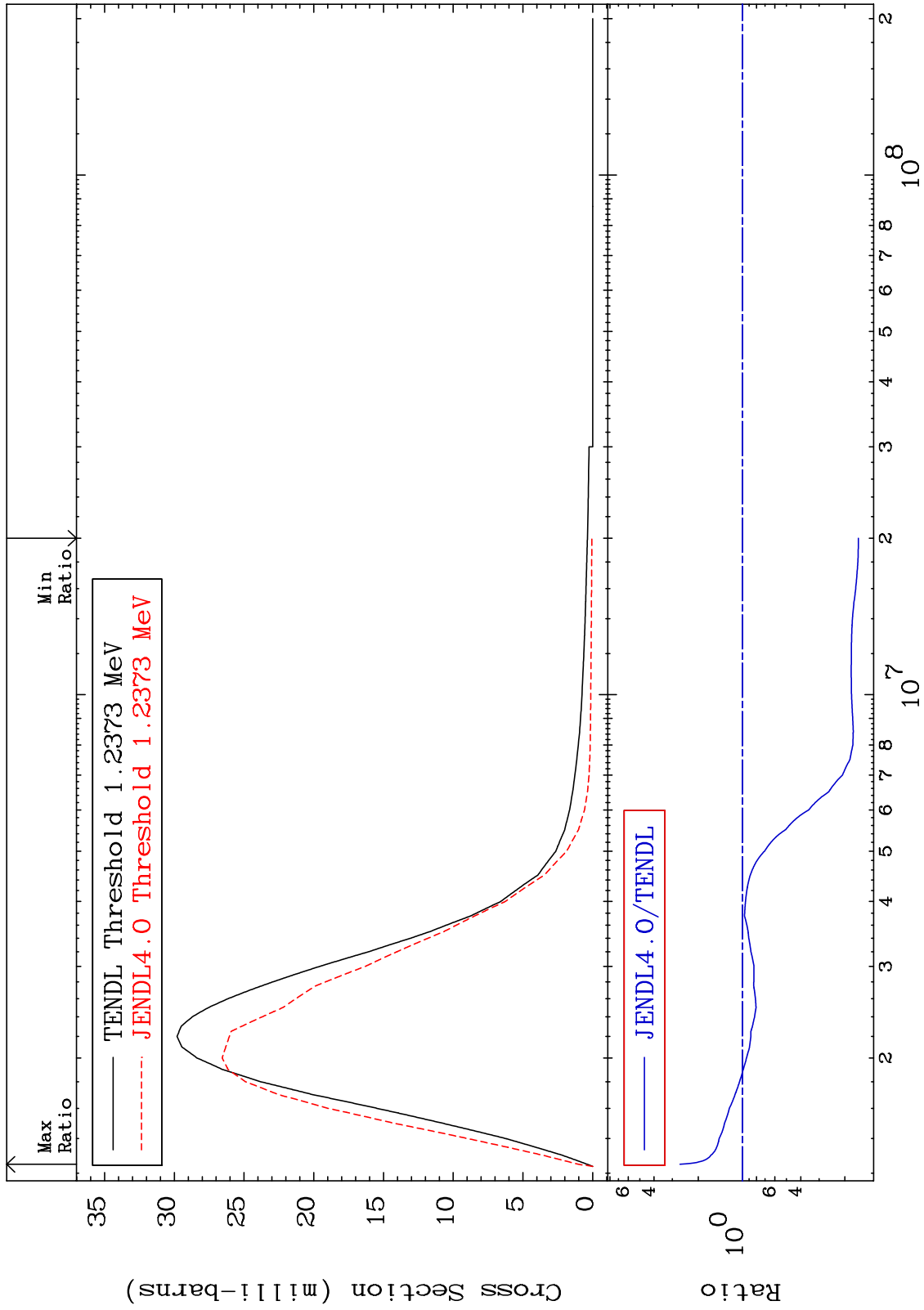
79-Au-197
-76.87 To 614.5 %



MAT 7925

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

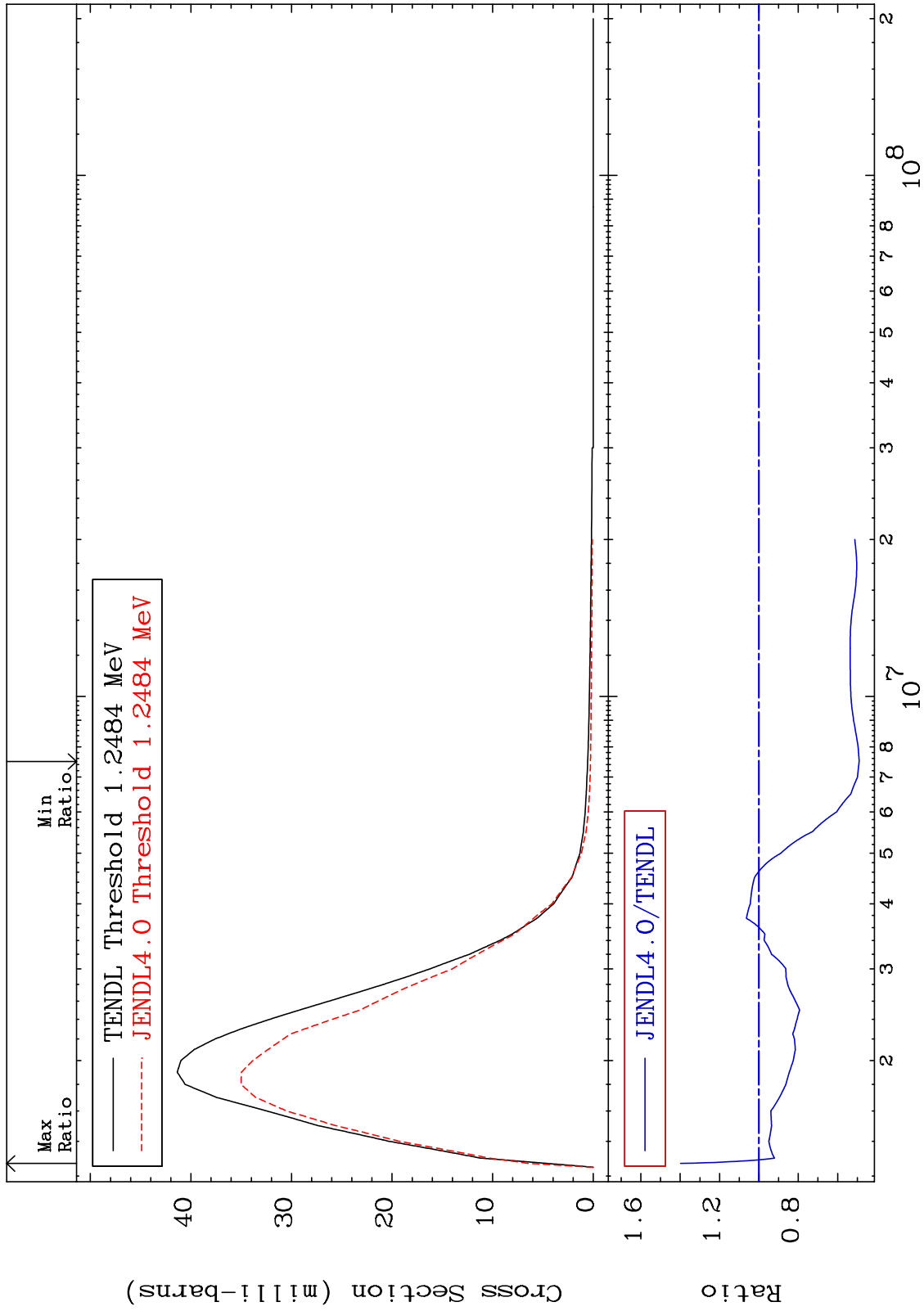
79-Au-197
-83.85 To 166.1 %



MAT 7925

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

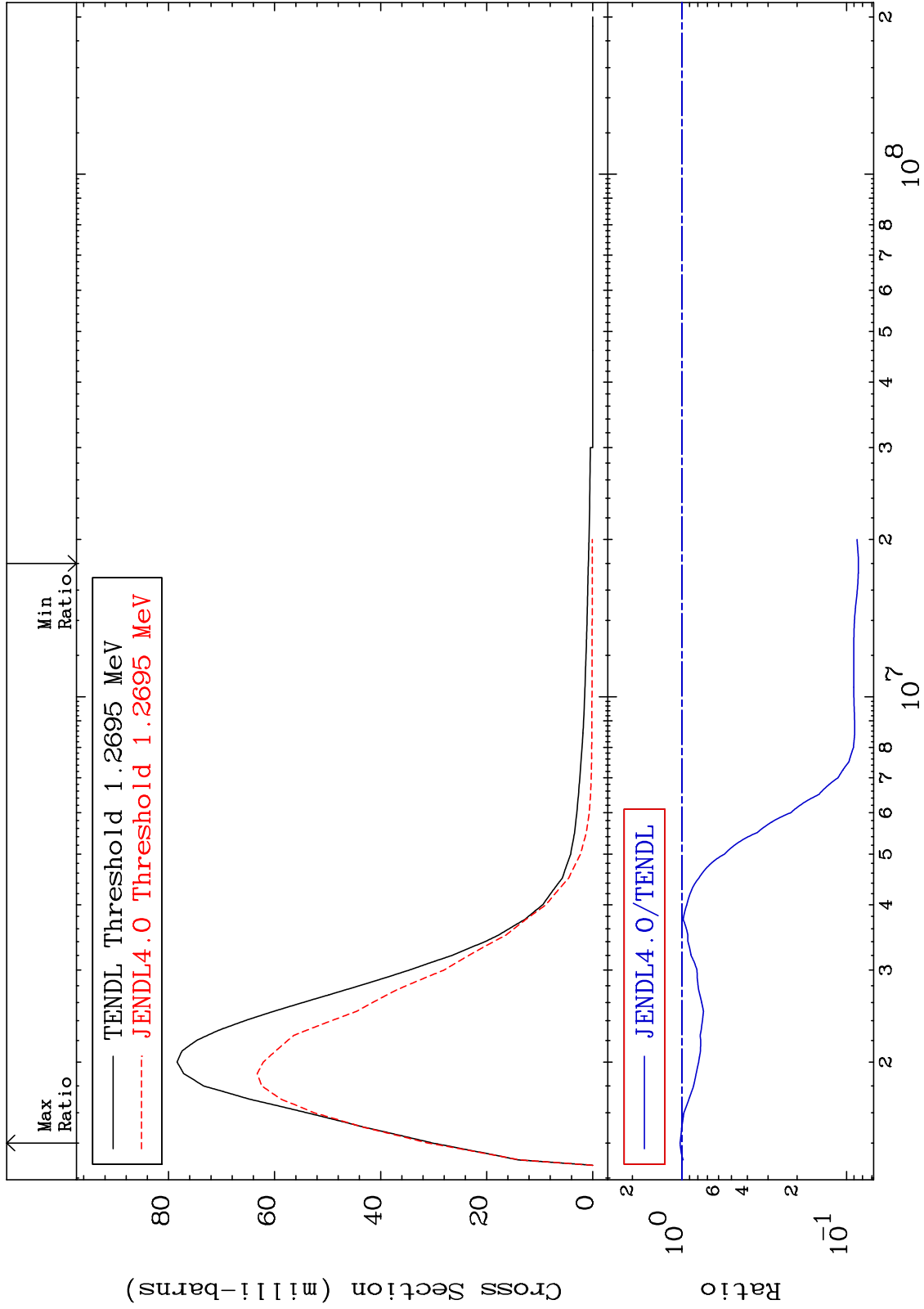
79-Au-197
-50.94 To 39.80 %



MAT 7925

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

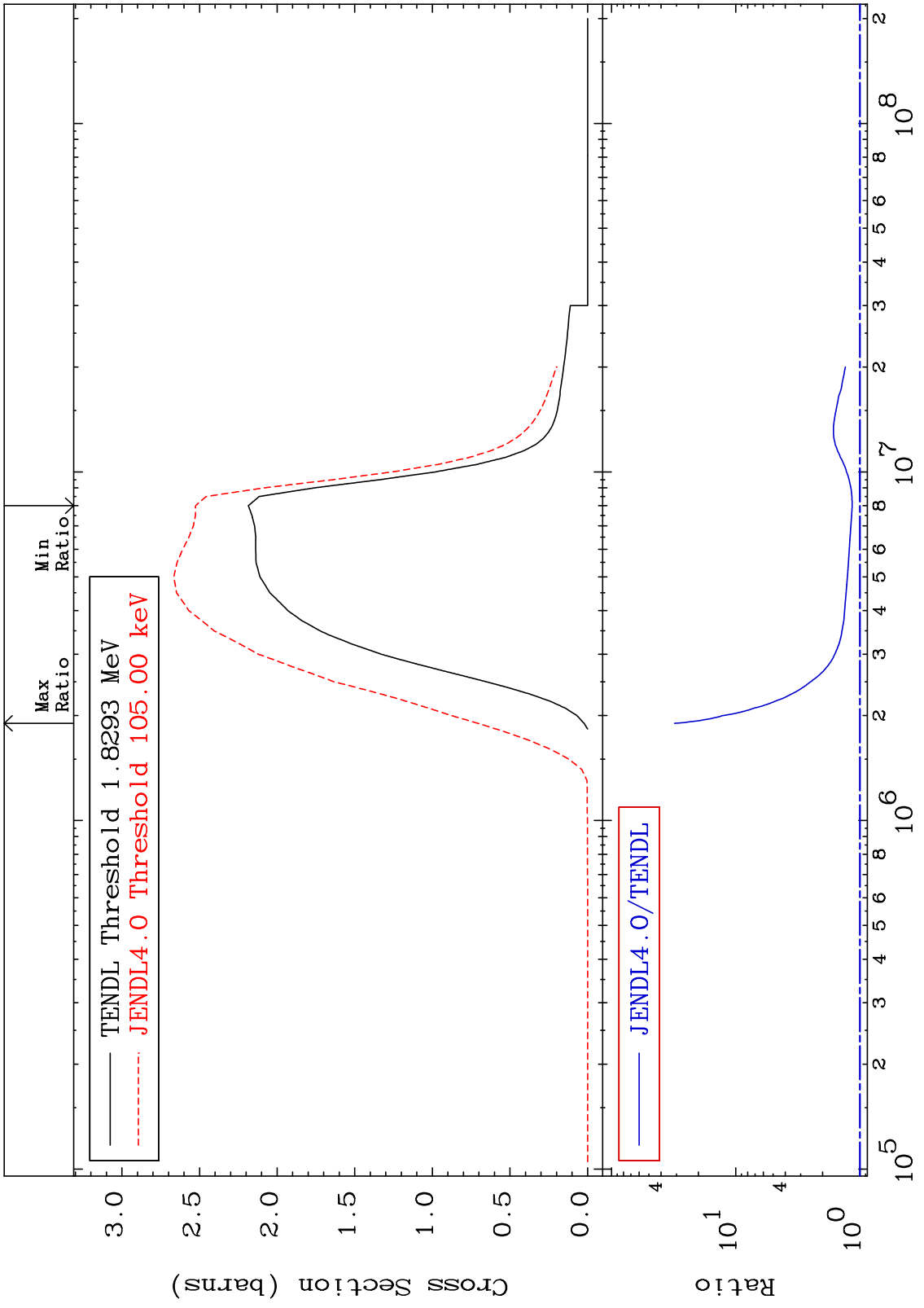
79-Au-197
-91.54 To 2.807 %



MAT 7925

(n, n') Continuum
Cross Section

79-Au-197
15.56 To 3008. %



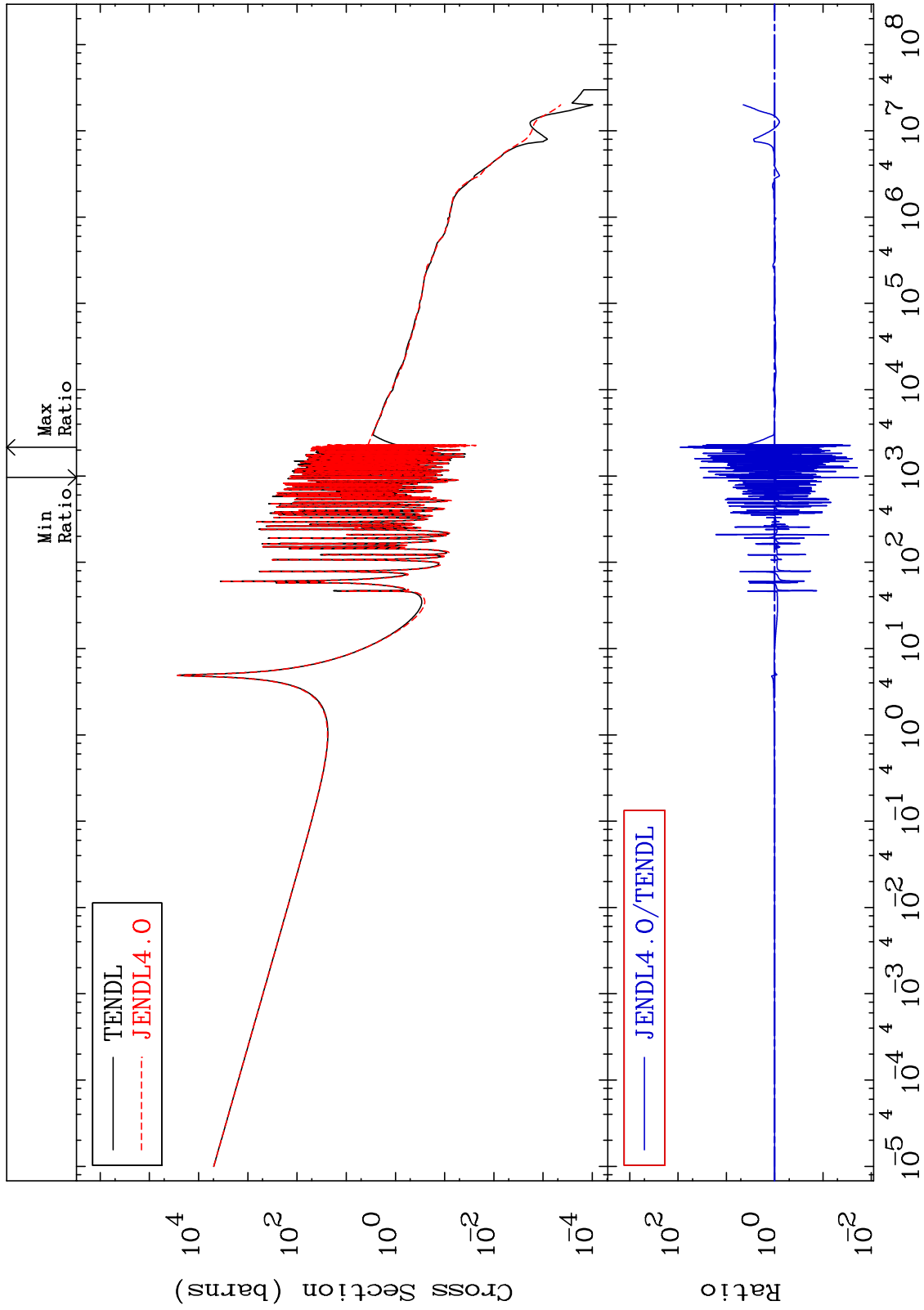
Incident Energy (eV)

79-Au-197

MAT 7925

(n, γ)
Cross Section

79-Au-197
-98.16 To 9009. %



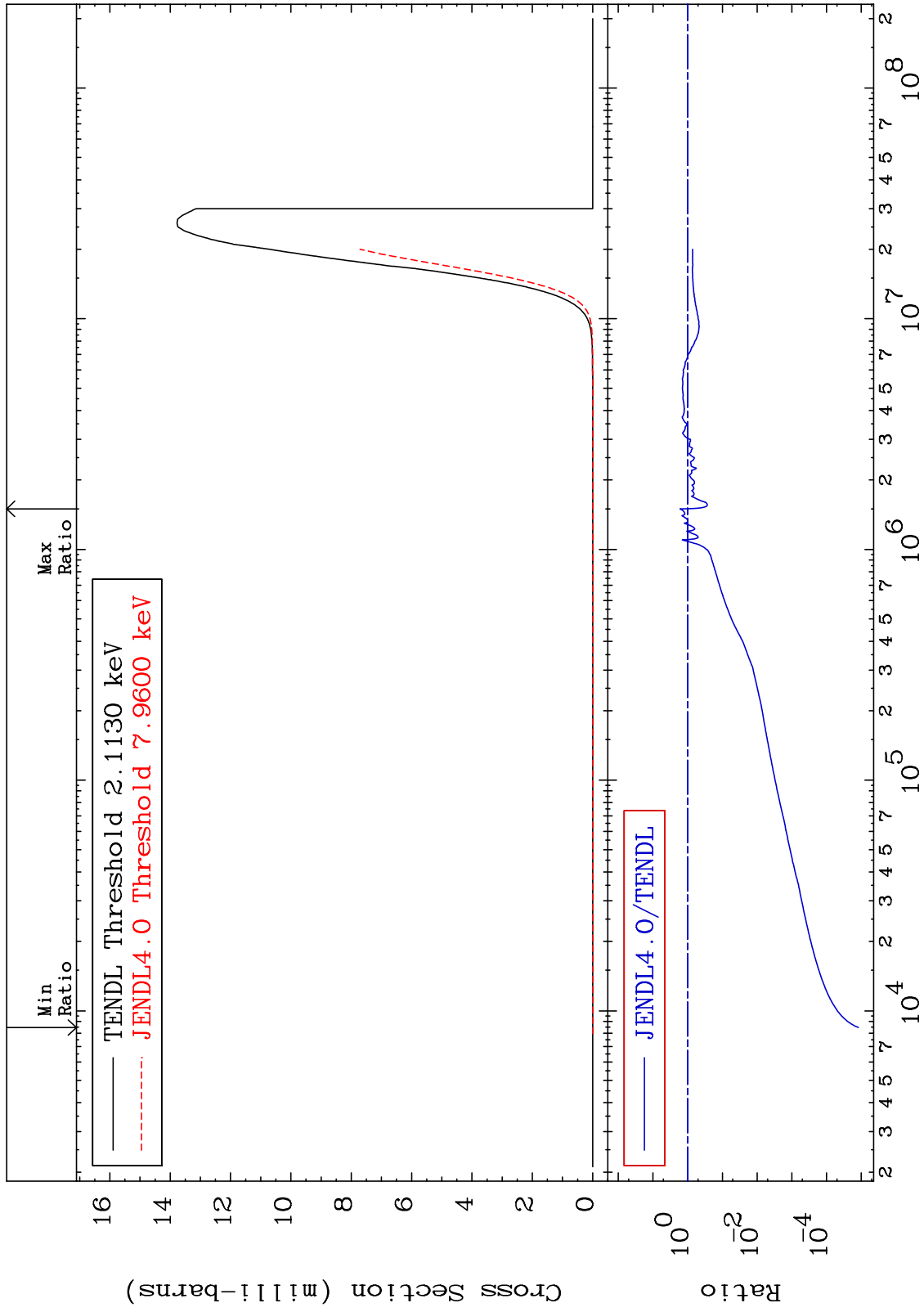
MAT 7925

(n, p)

79-Au-197

Cross Section

-100.0 To 66.22 %



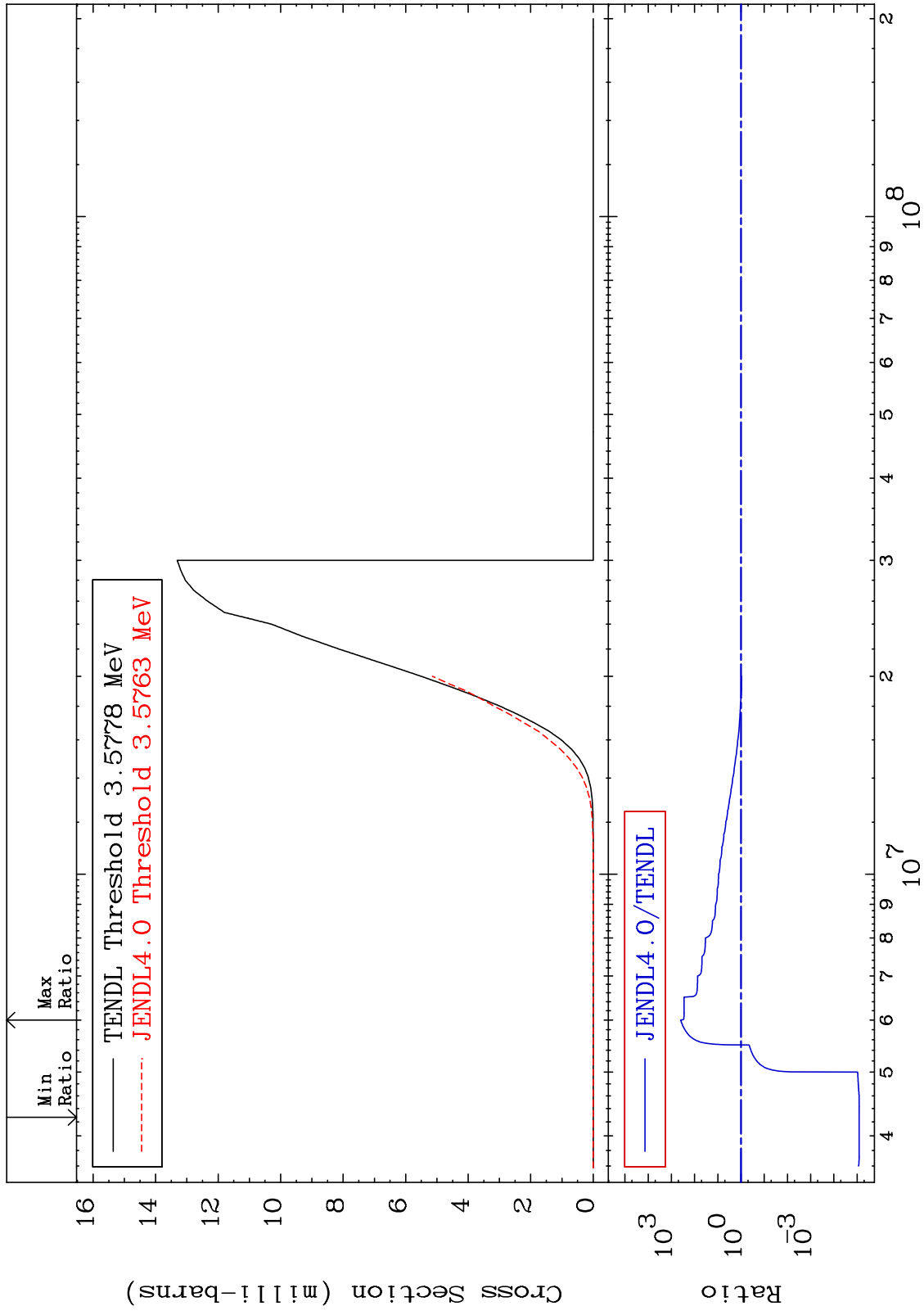
MAT 7925

(n, d)

⁷⁹Au-197

Cross Section

-100.0 To 9999. %



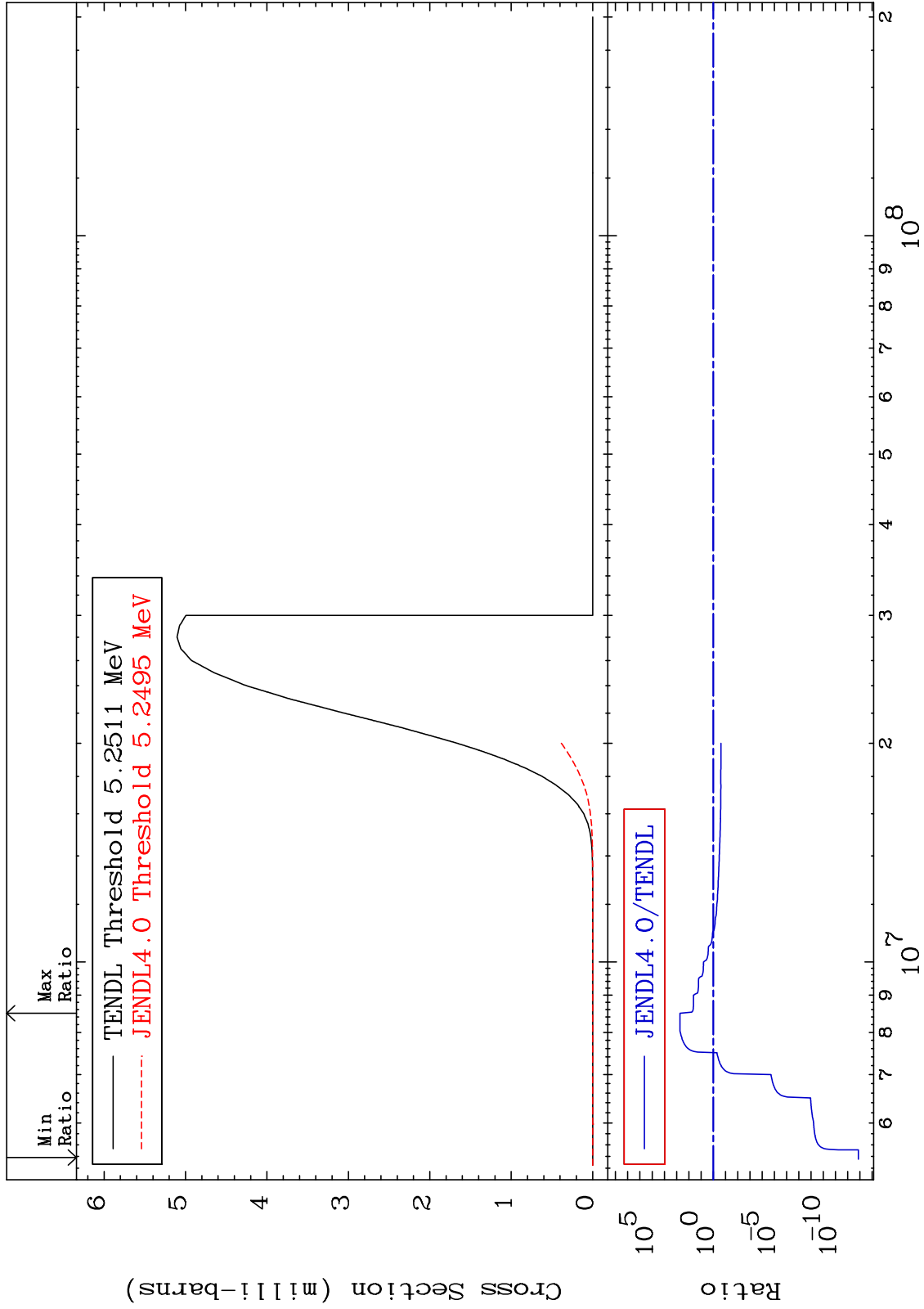
MAT 7925

(n, t)

79-Au-197

Cross Section

-100.0 To 9999. %



37

Incident Energy (eV)

79-Au-197

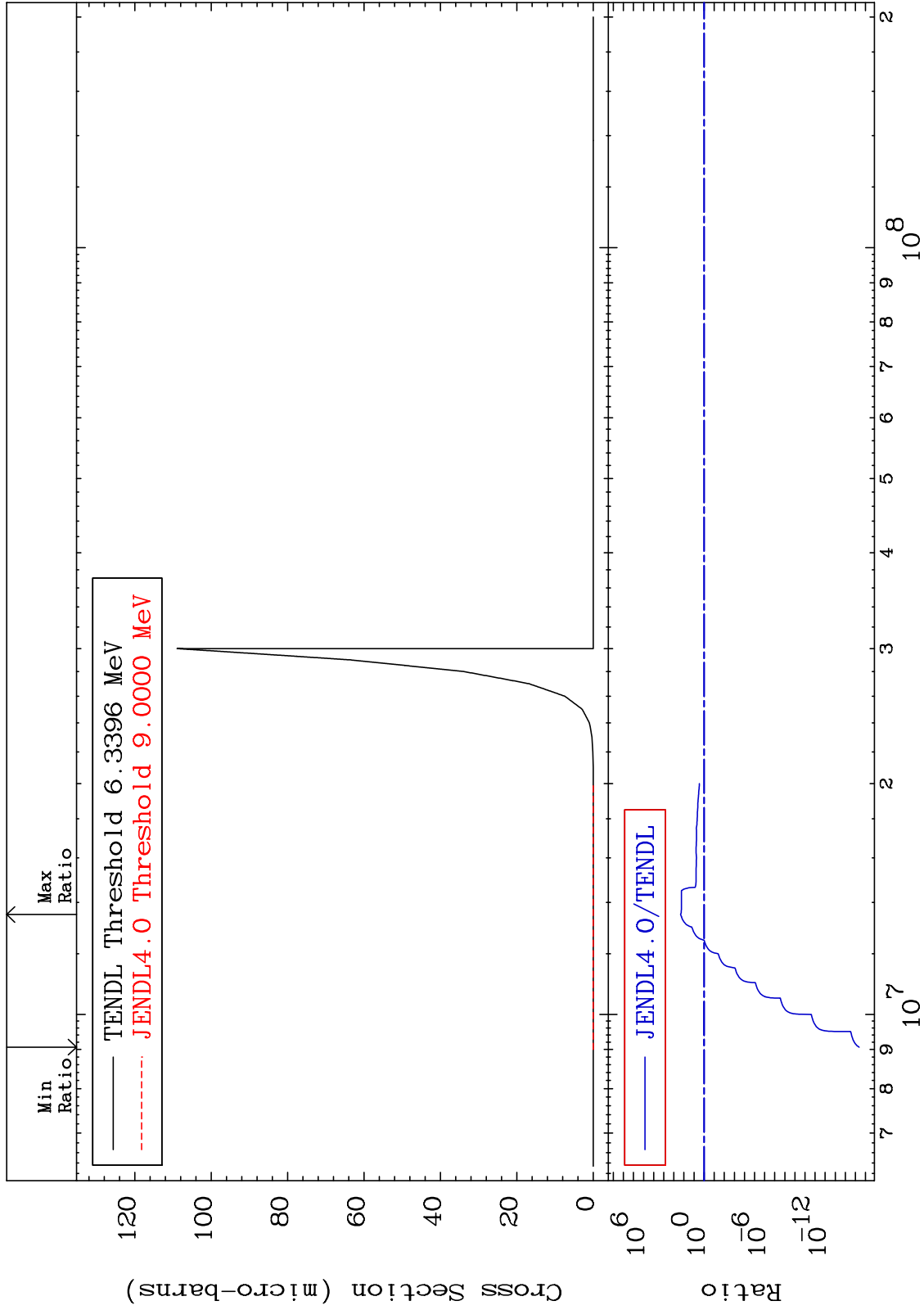
MAT 7925

(n, He-3)

79-Au-197

Cross Section

-100.0 To 9999. %



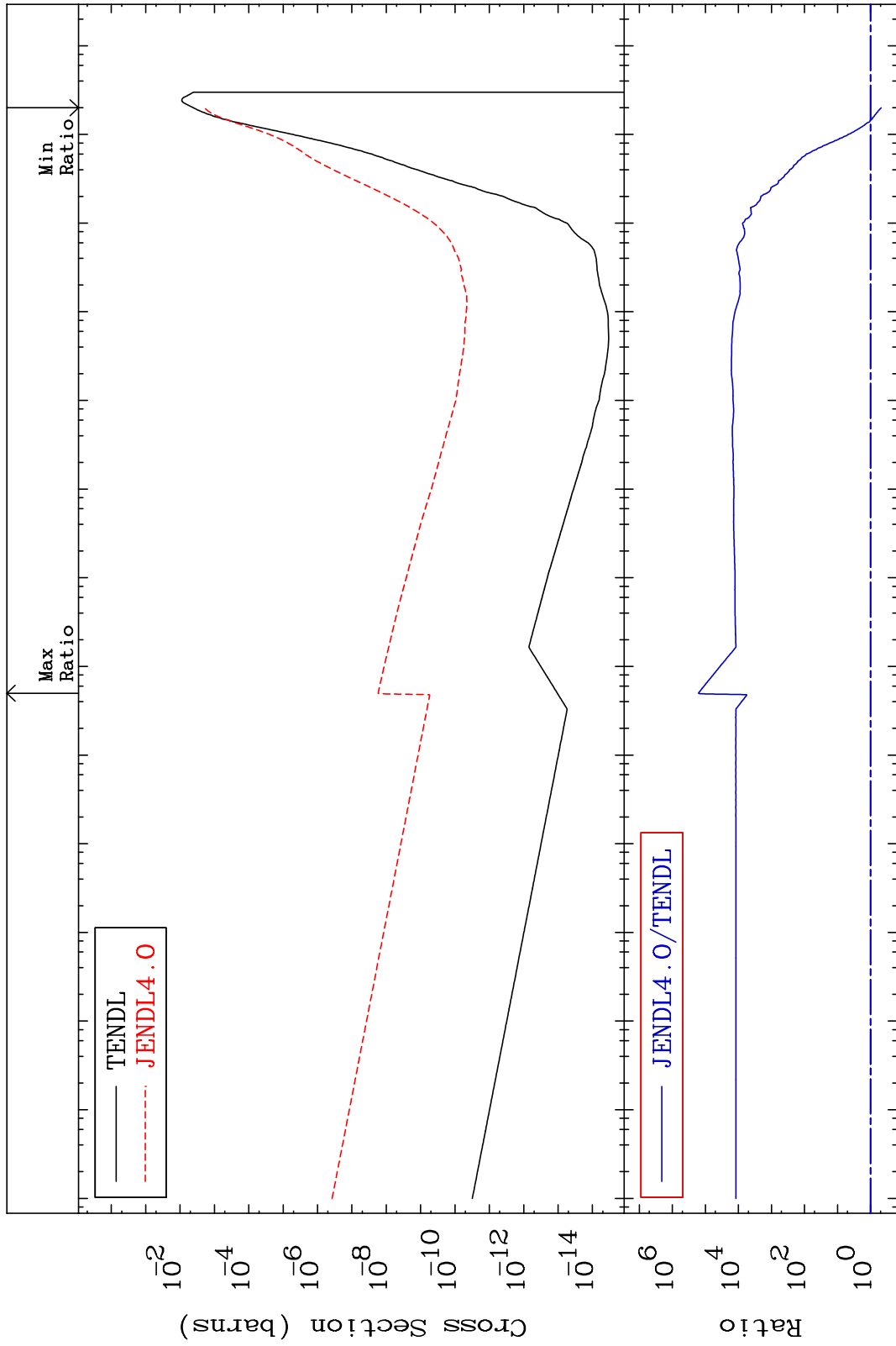
MAT 7925

(n, α)

79-Au-197

Cross Section

-53.35 To 9999. %



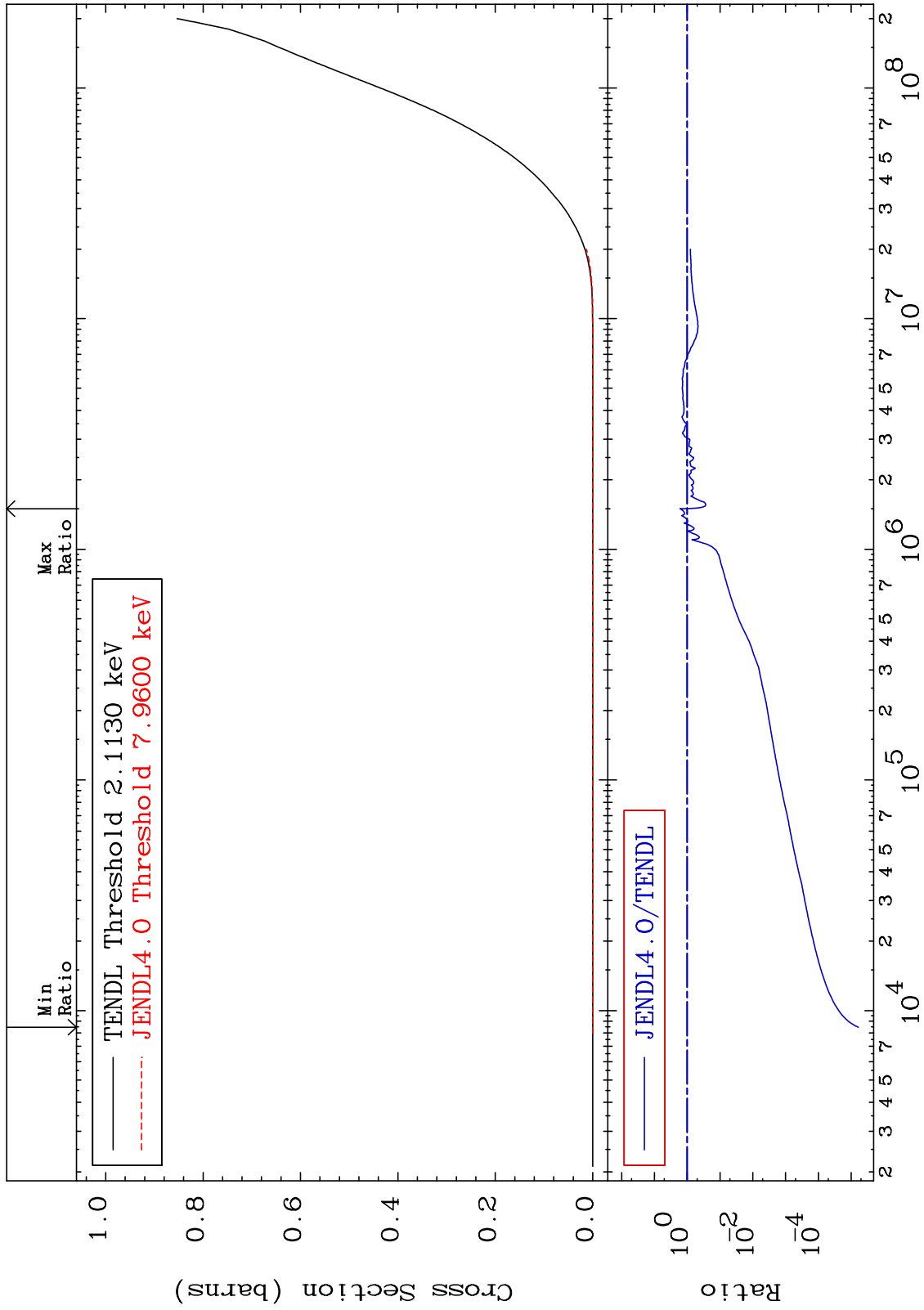
Incident Energy (eV)

79-Au-197

MAT 7925

Hydrogen Production
Cross Section

79-Au-197
-100.0 To 66.20 %



40

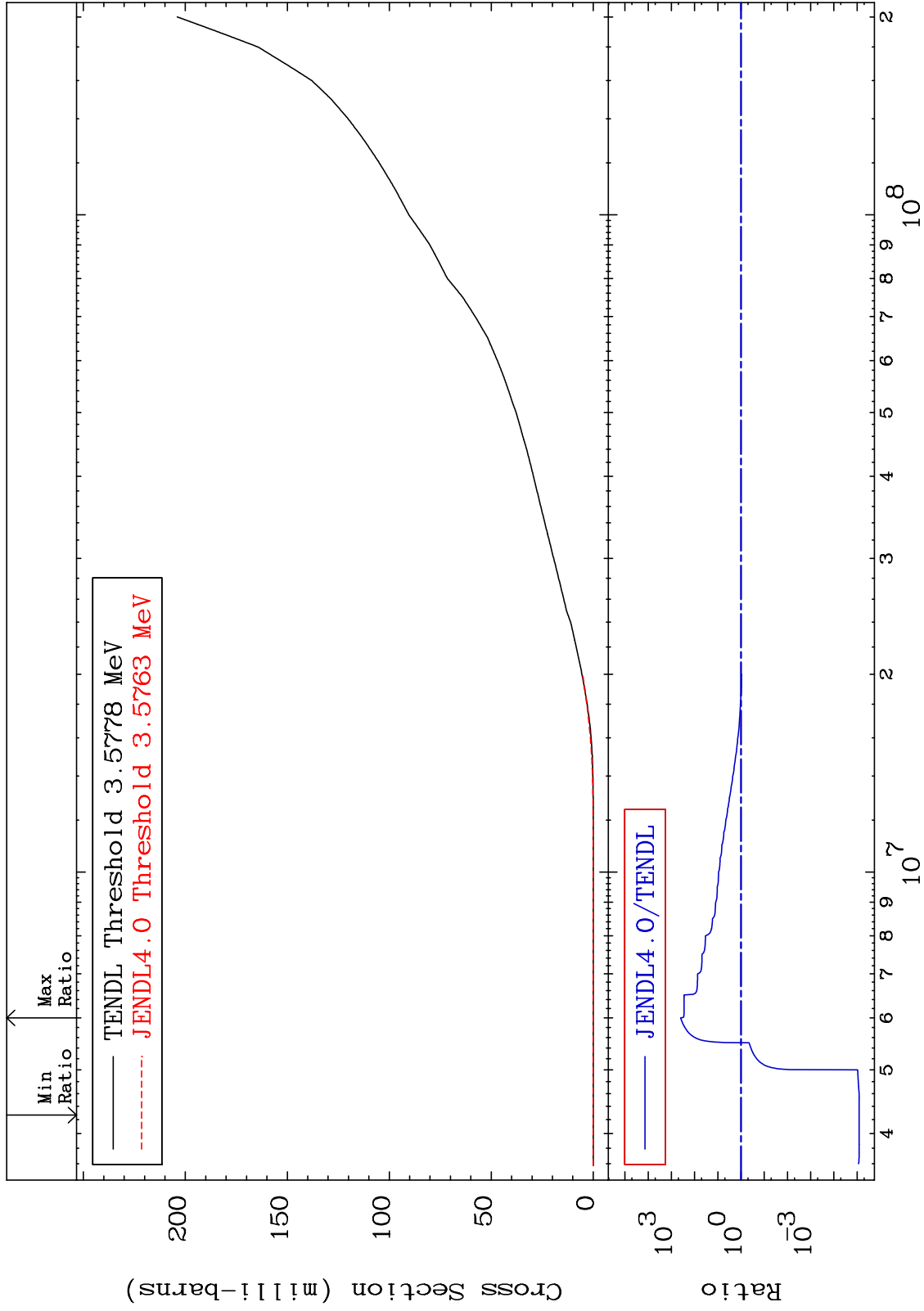
Incident Energy (eV)

79-Au-197

MAT 7925

Deuterium Production
Cross Section

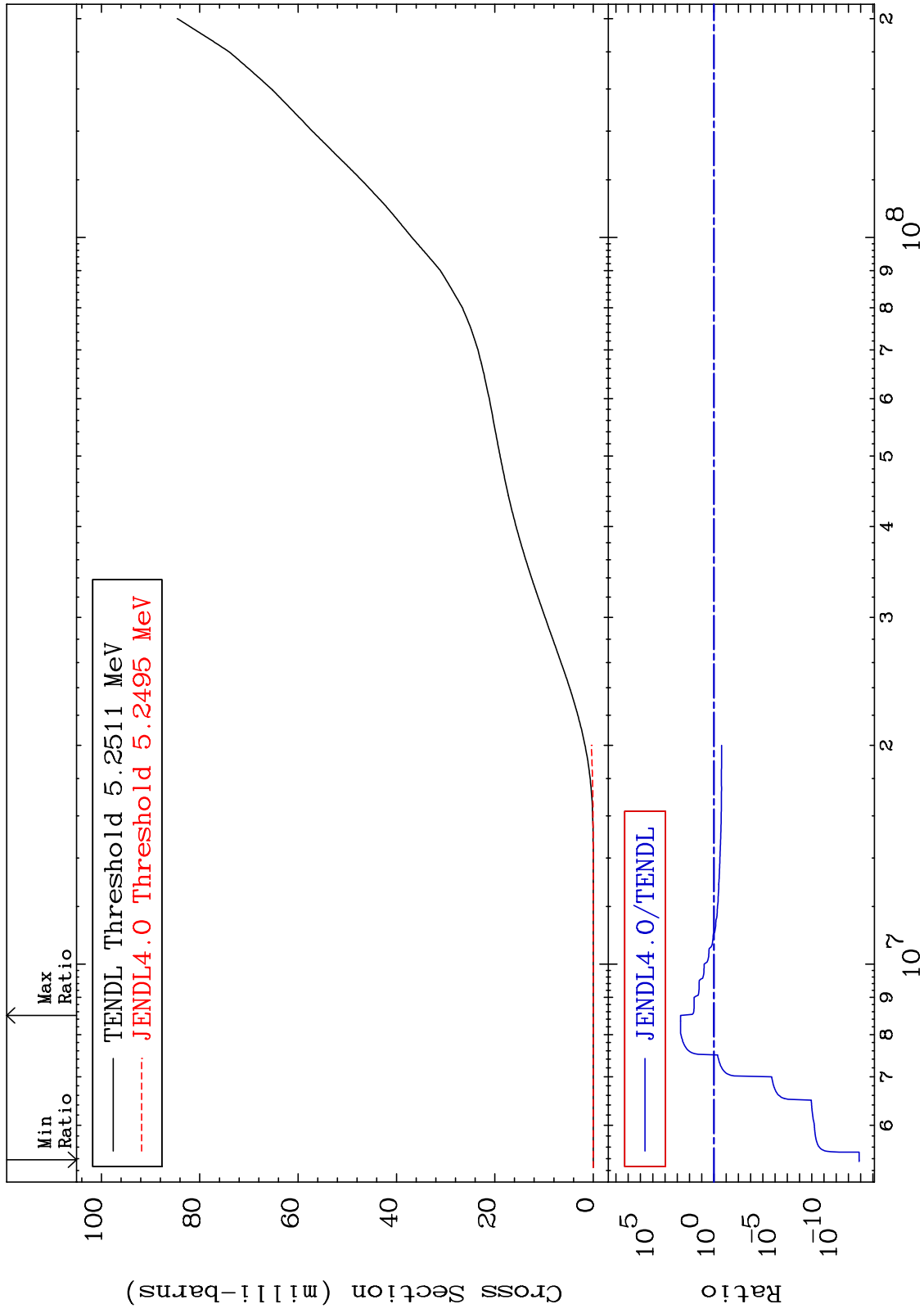
79-Au-197
-100.0 To 9999. %



MAT 7925

Tritium Production
Cross Section

79-Au-197
-100.0 To 9999. %



79-Au-197

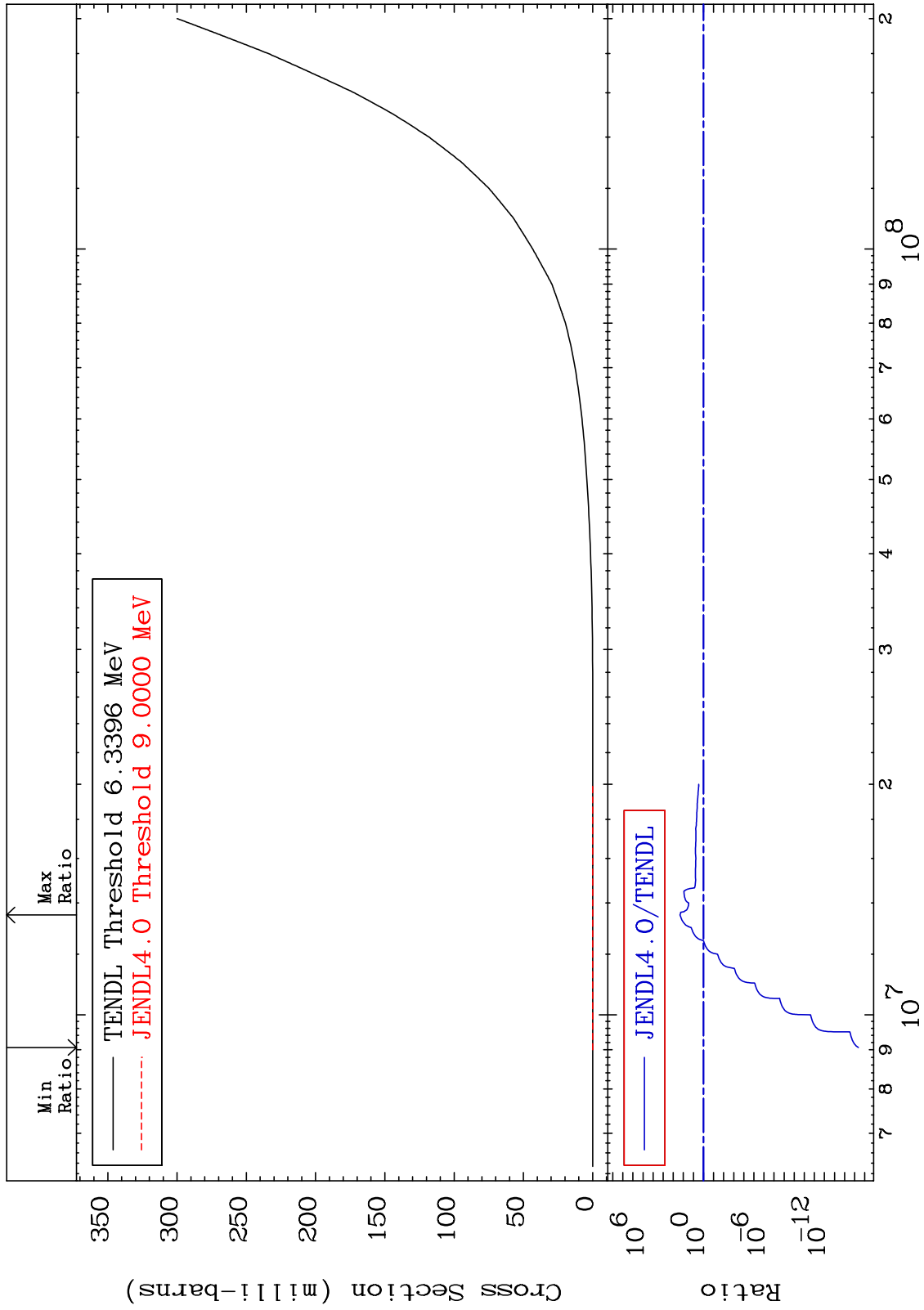
Incident Energy (eV)

42

MAT 7925

He-3 Production
Cross Section

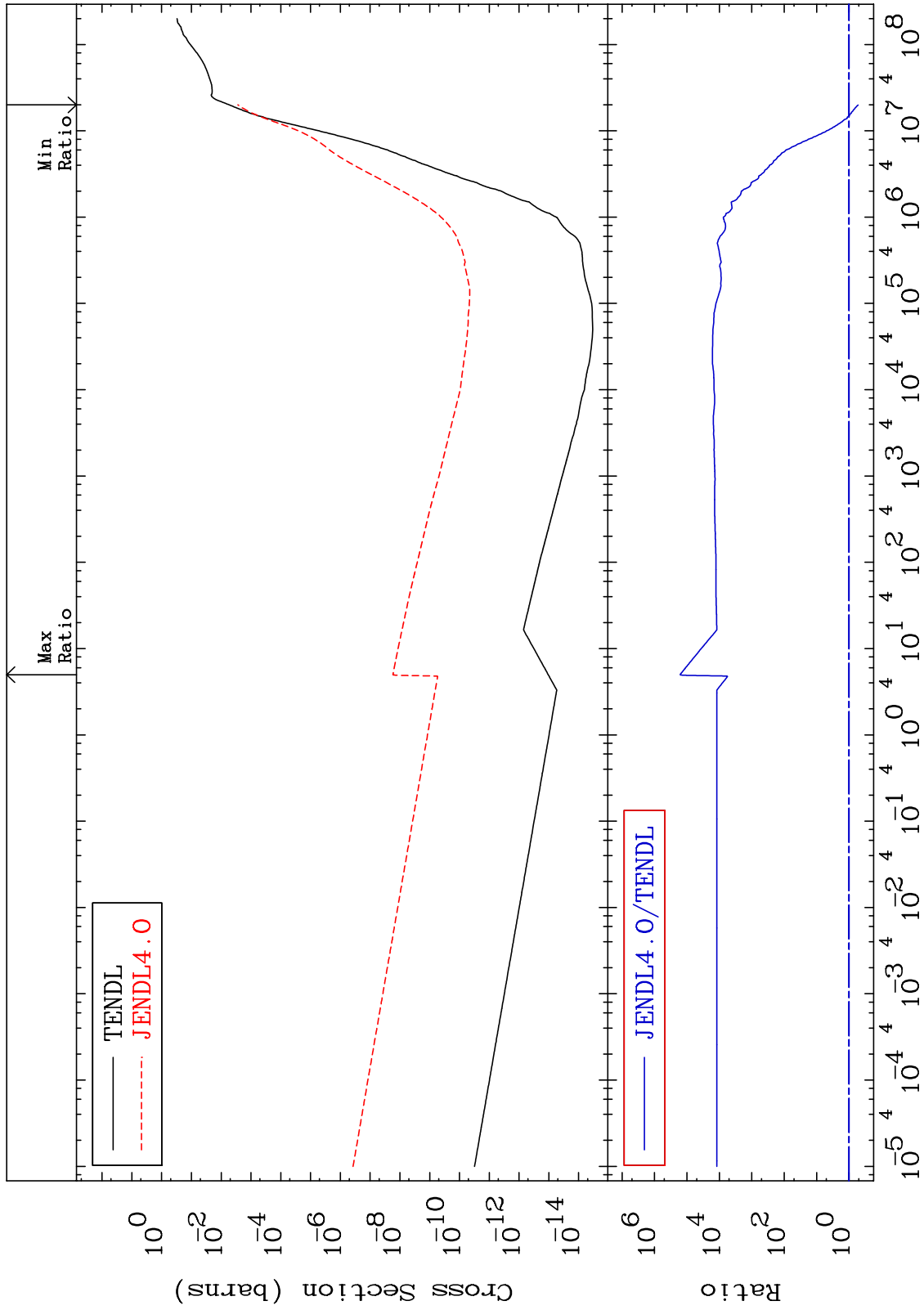
79-Au-197
-100.0 To 9999. %



MAT 7925

He-4 Production
Cross Section

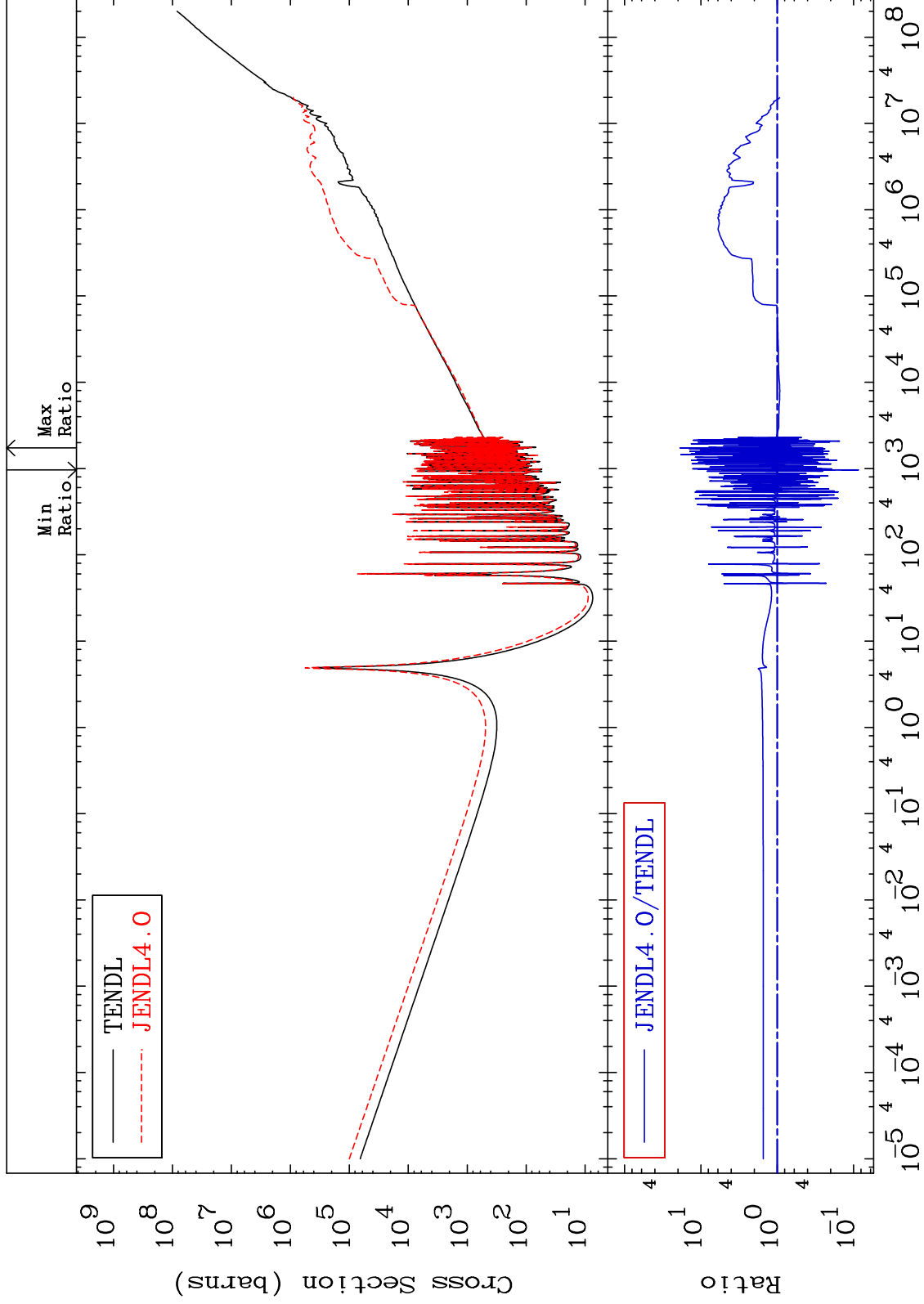
79-Au-197
-48.66 To 9999. %



MAT 7925

Kerma total (eV-barns)
Cross Section

79-Au-197
-91.36 To 1778. %



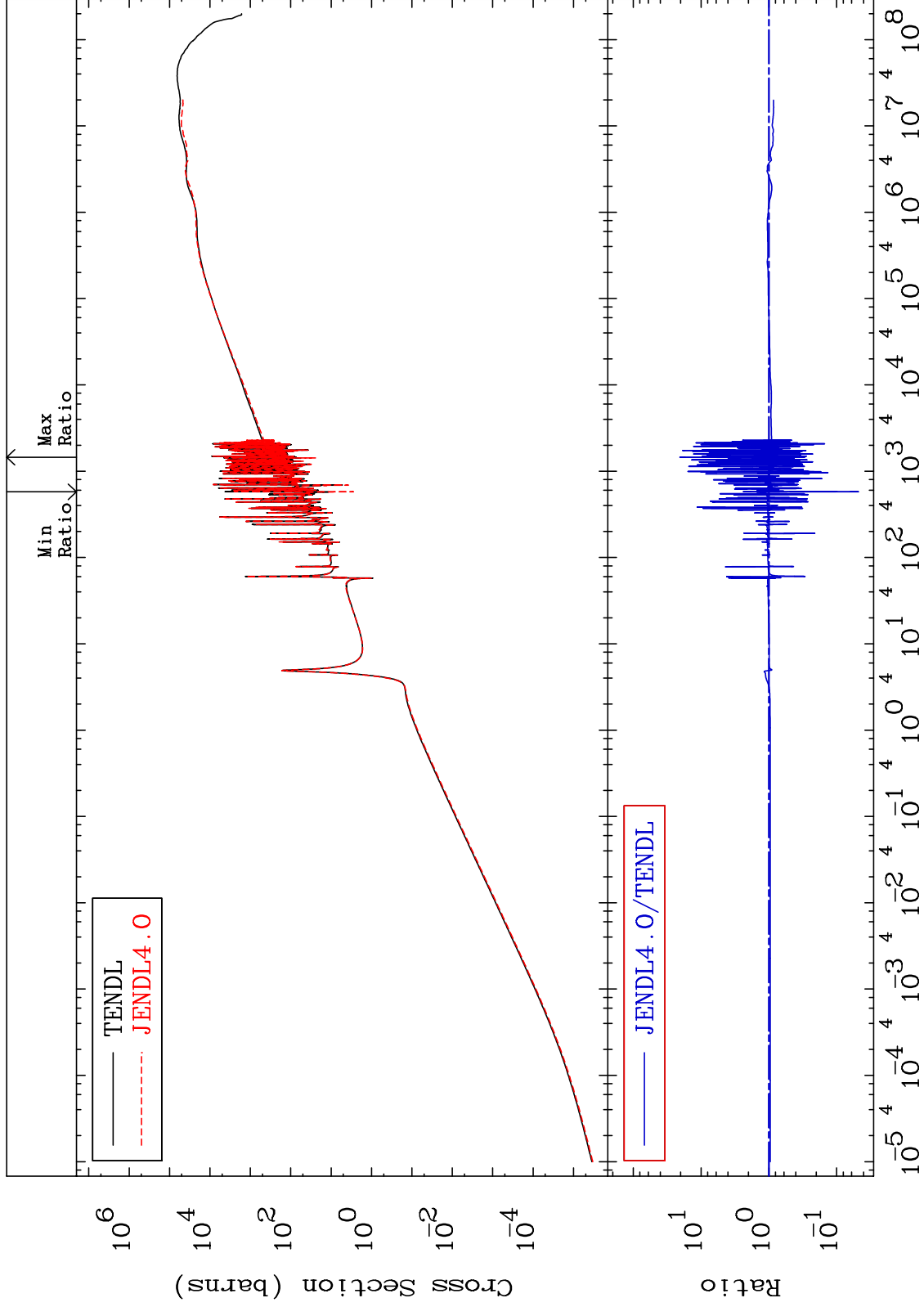
45

79-Au-197

MAT 7925

Kerma elastic
Cross Section

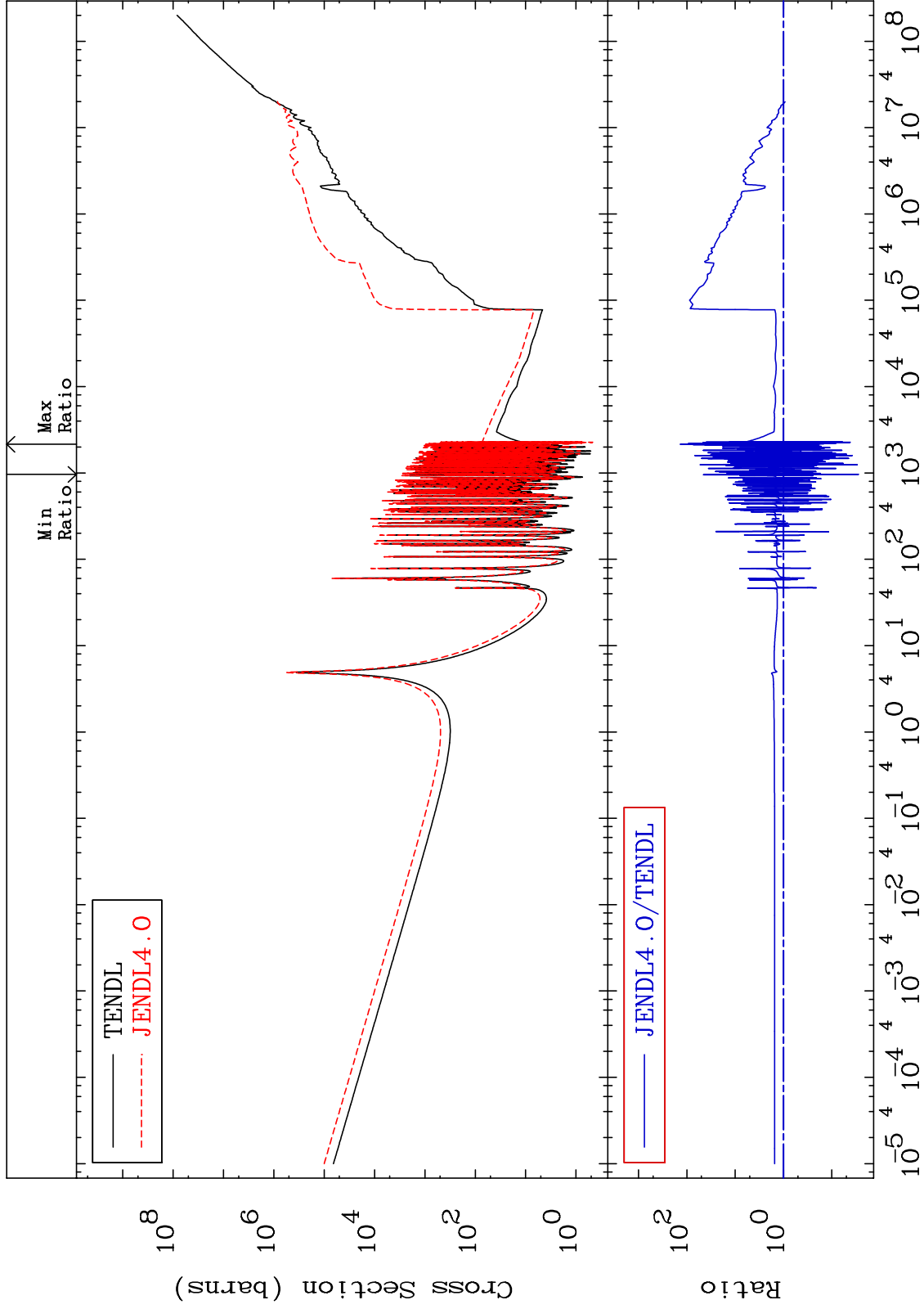
79-Au-197
-95.22 To 1942. %



MAT 7925

Kerma non-elastic (all but mt2)
Cross Section

79-Au-197
-97.19 To 9999. %



47

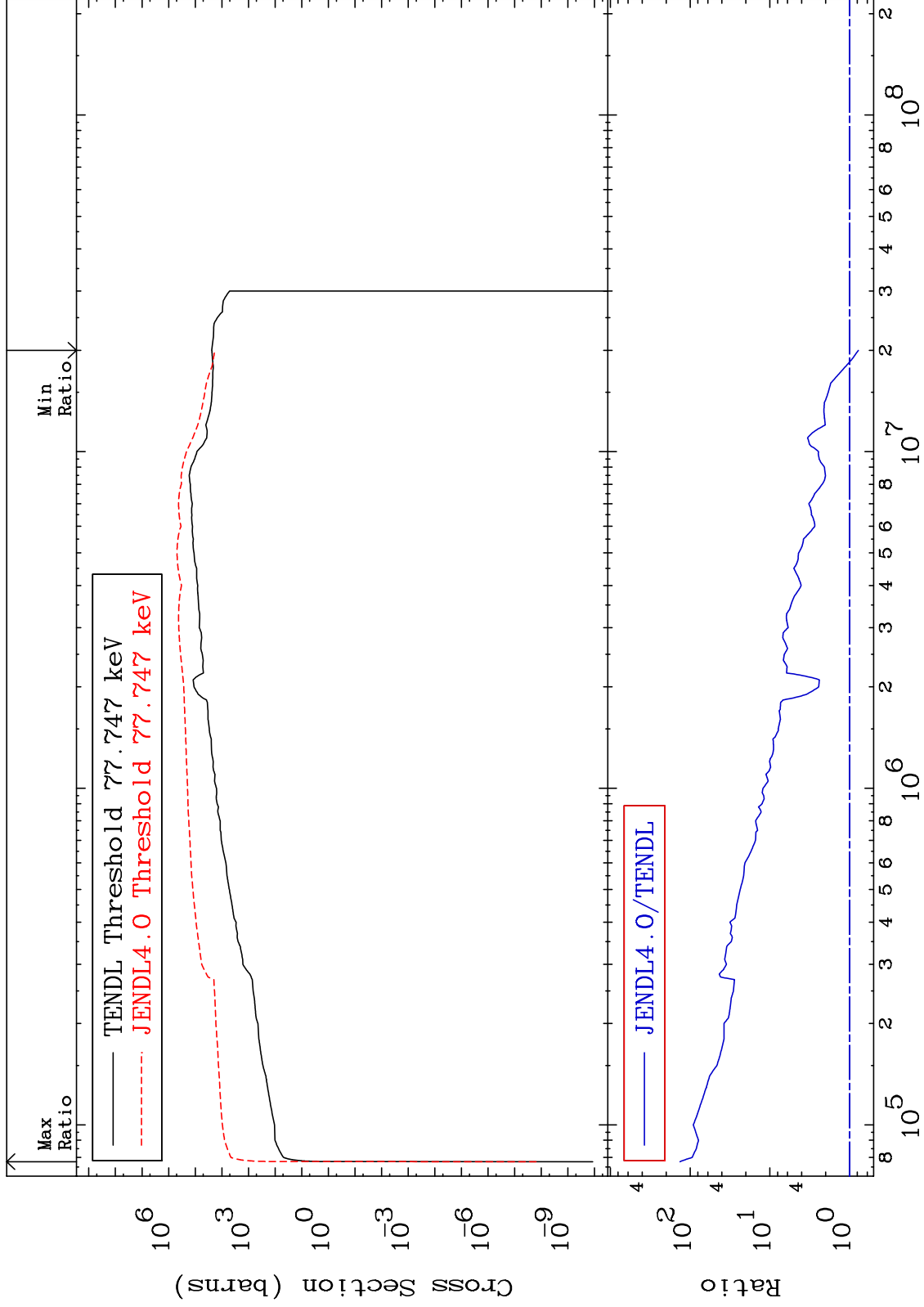
Incident Energy (eV)

79-Au-197

MAT 7925

Kerma inelastic (mt51-91)
Cross Section

79-Au-197
-22.57 To 9999. %



48

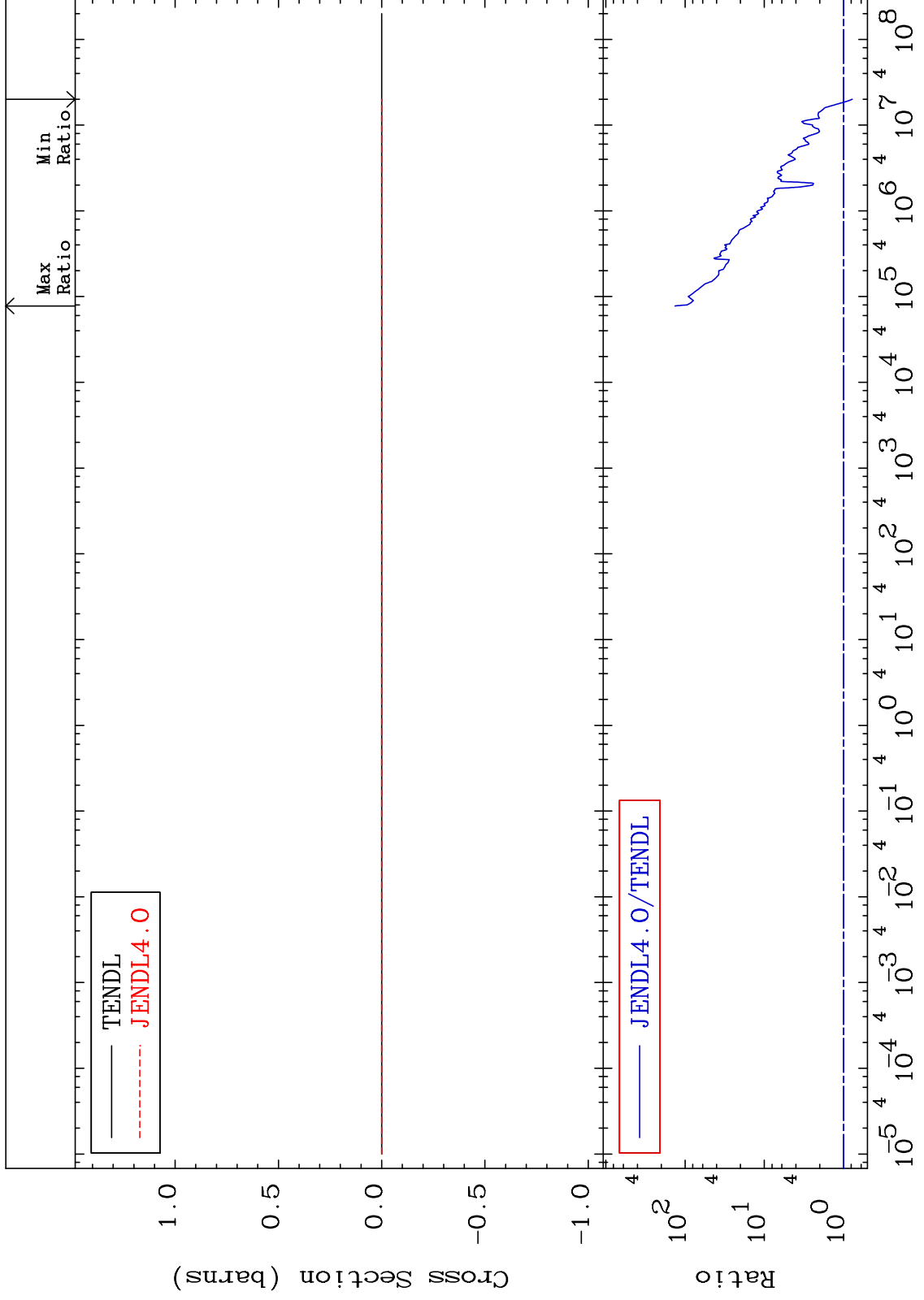
79-Au-197

79-Au-197

MAT 7925

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

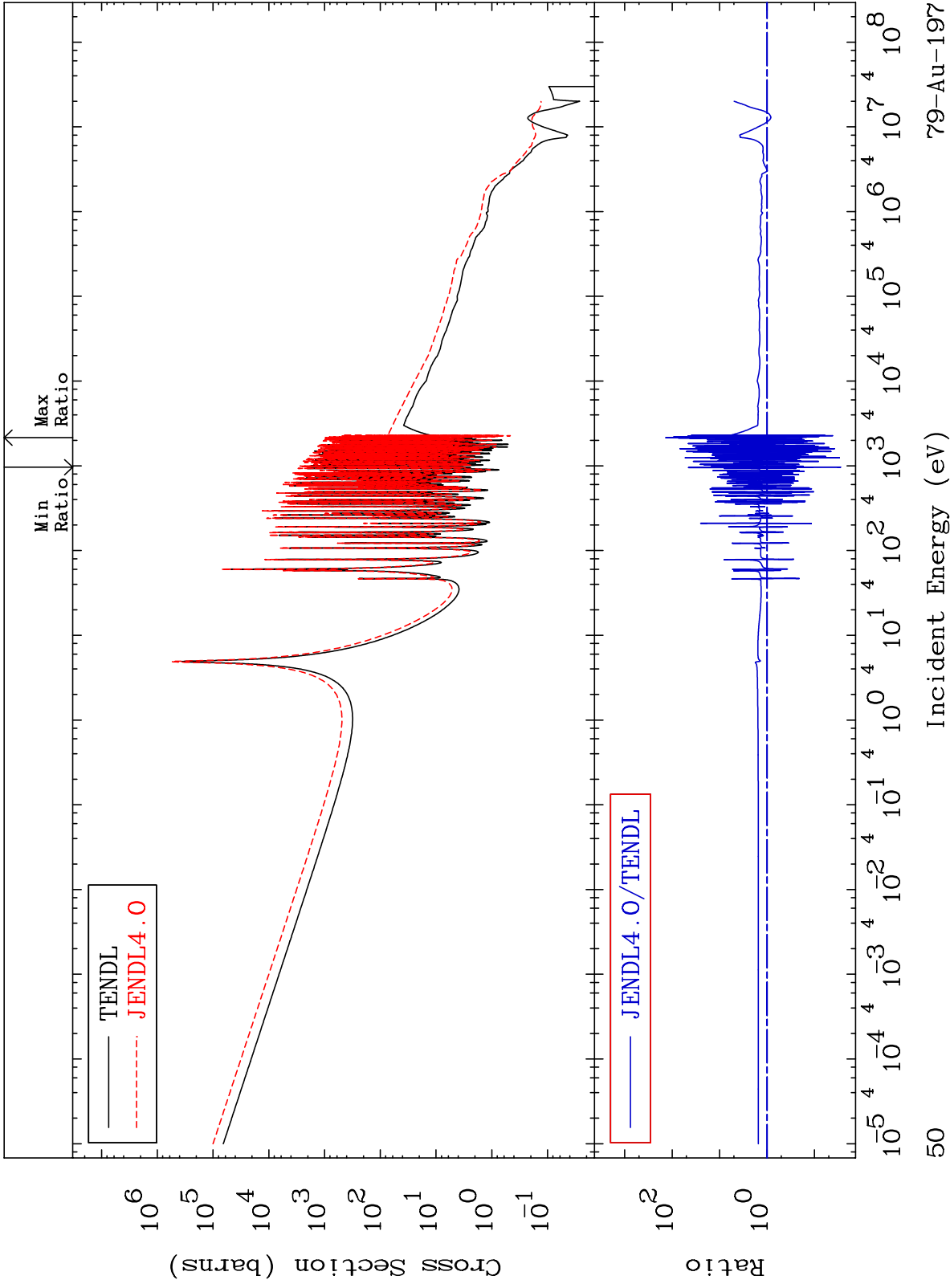
79-Au-197
-22.57 To 9999. %



MAT 7925

Kerma capture (mt102)
Cross Section

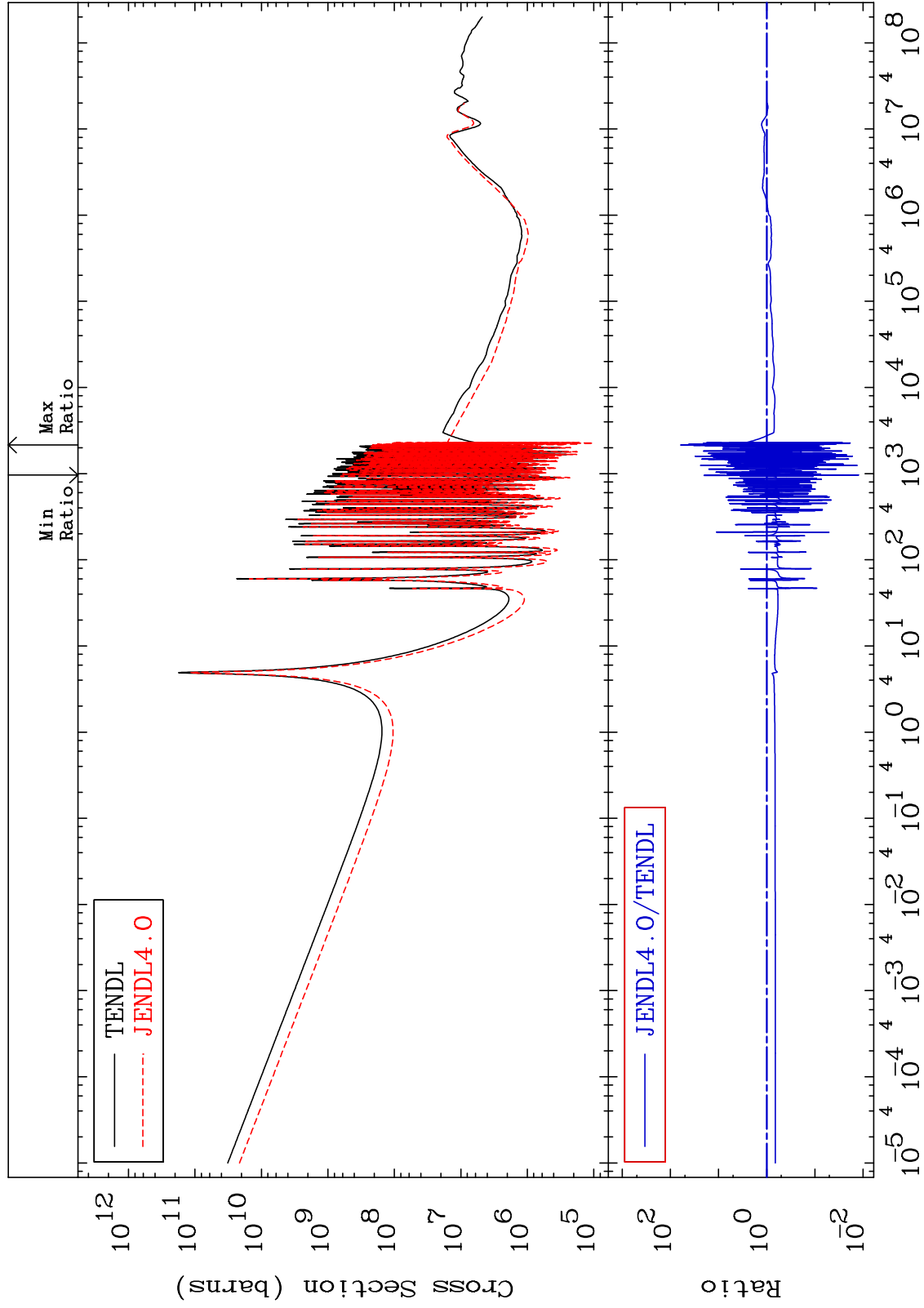
79-Au-197
-97.19 To 9999. %



MAT 7925

Total photon (eV-barns)
Cross Section

79-Au-197
-98.76 To 6091. %



51

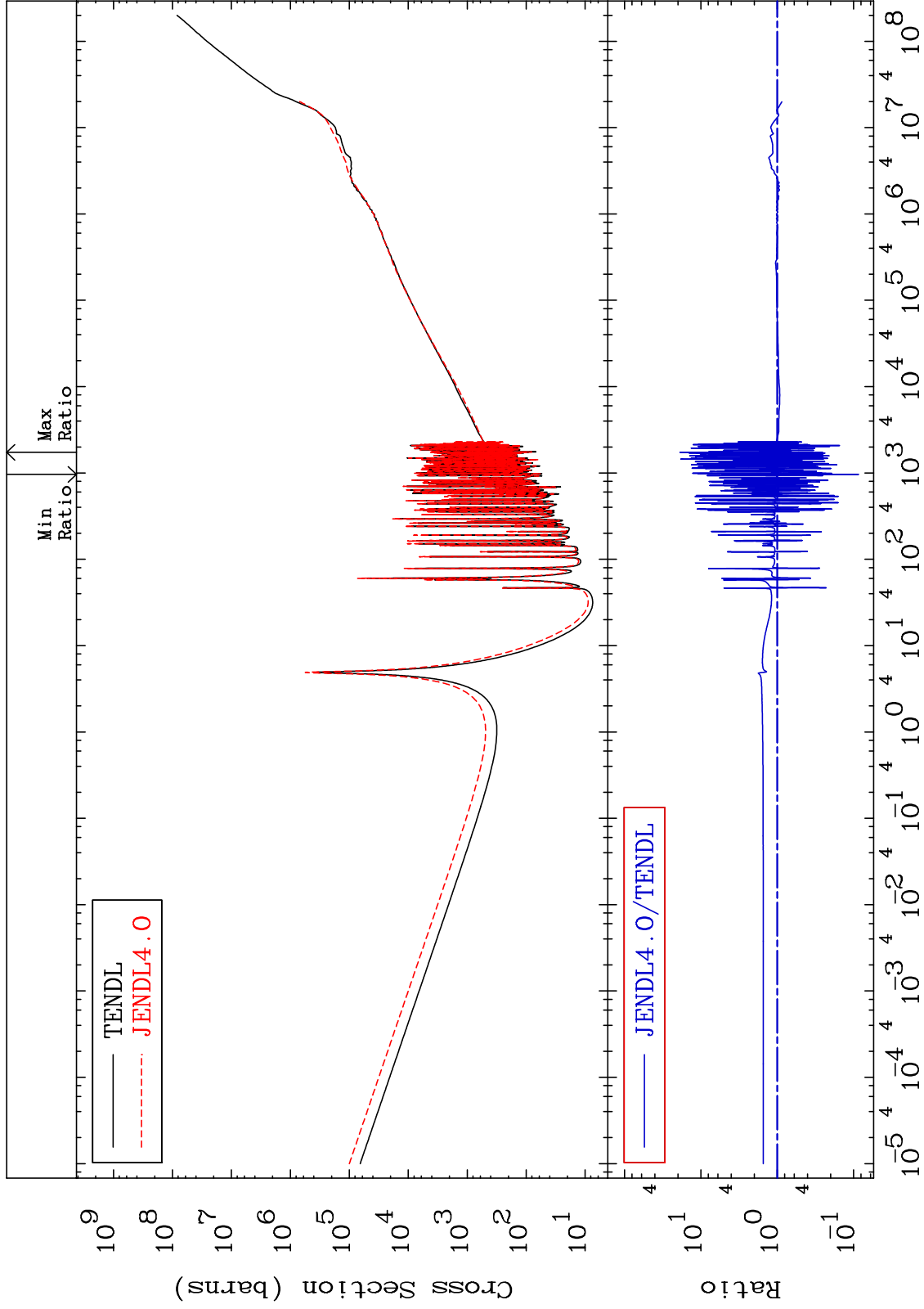
Incident Energy (eV)

79-Au-197

MAT 7925

Total kinematic kerma (high limit)
Cross Section

79-Au-197
-91.36 To 1778. %



52

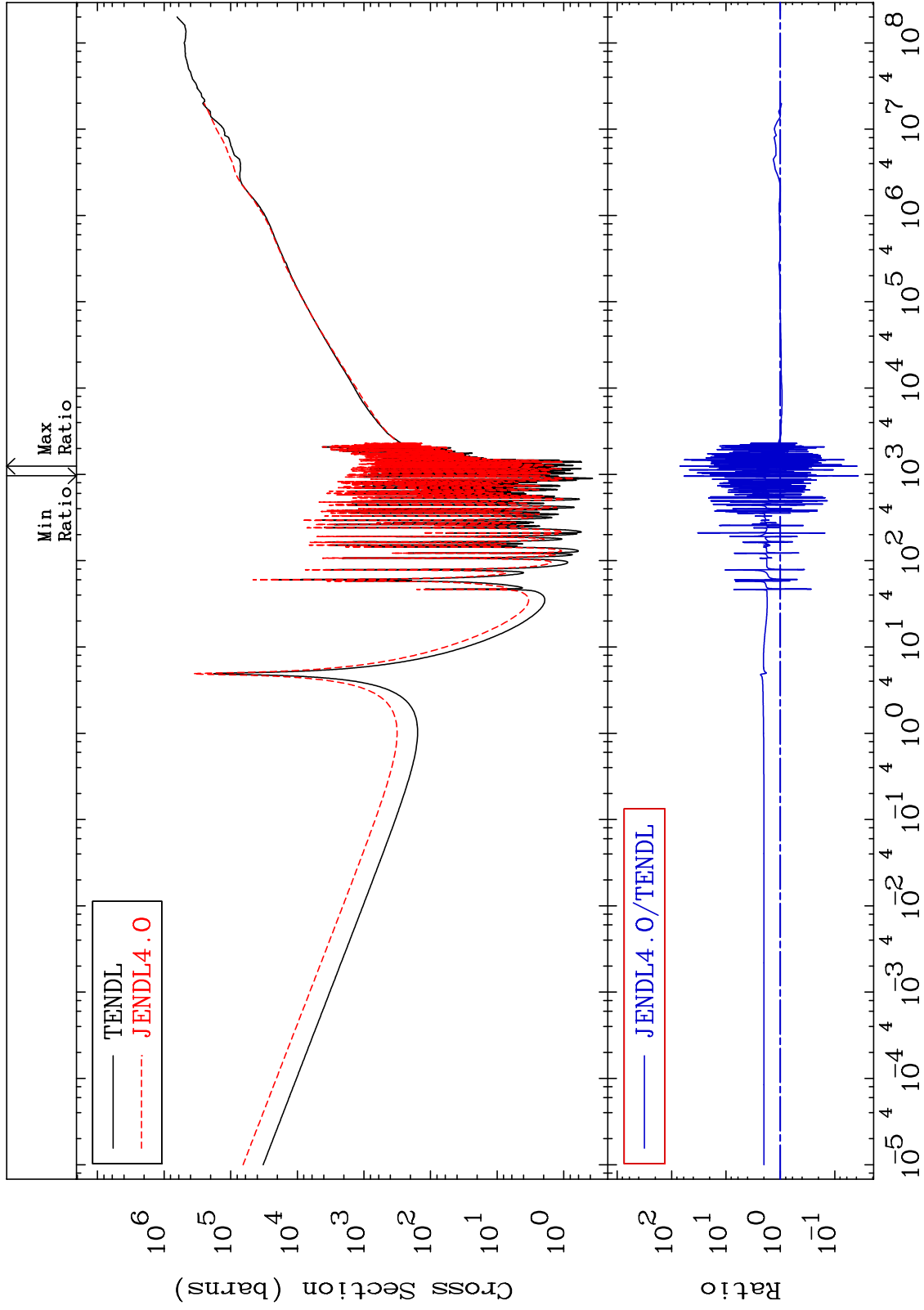
Incident Energy (eV)

79-Au-197

MAT 7925

Dpa total (eV-barns)
Cross Section

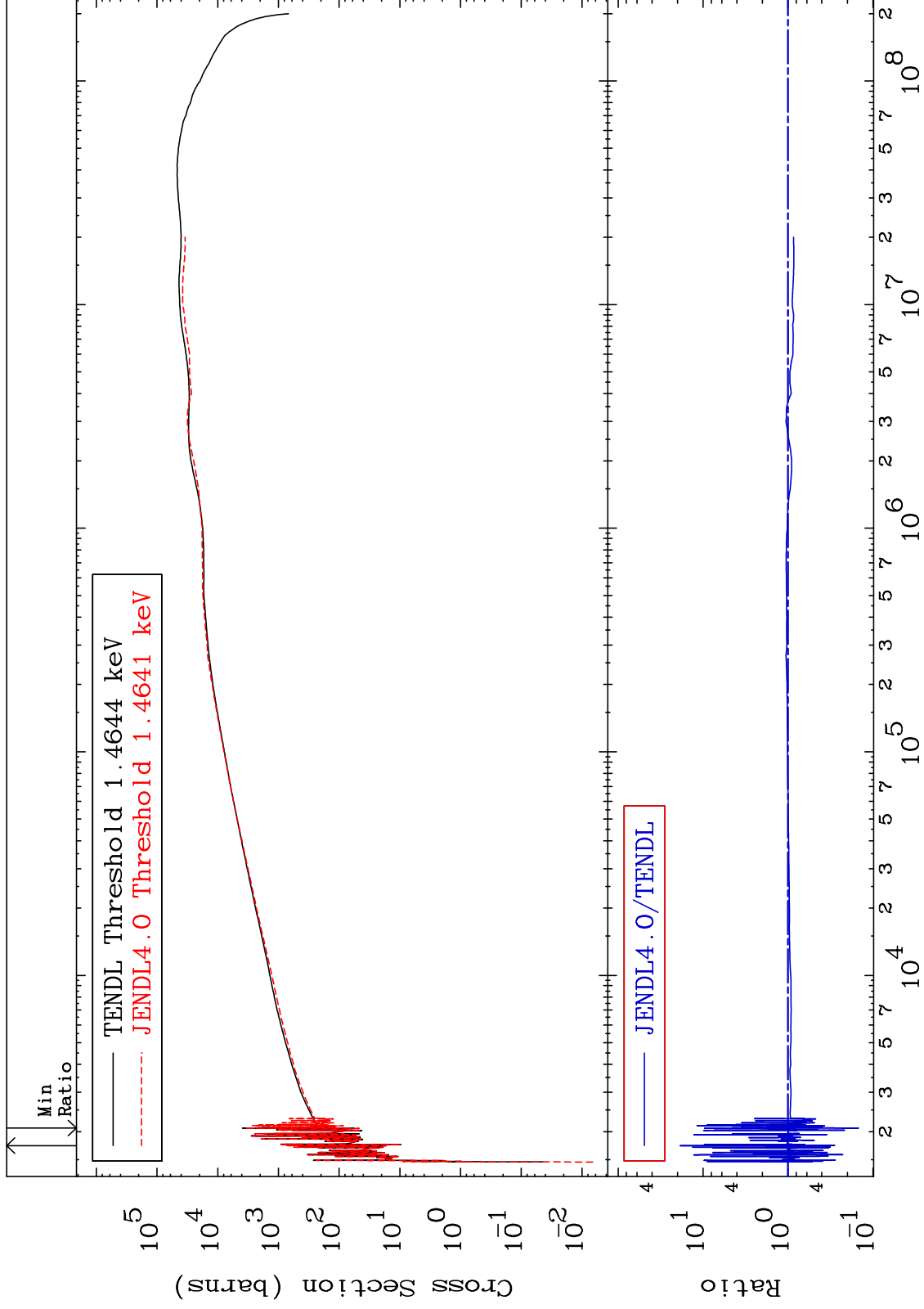
79-Au-197
-96.33 To 6893. %



MAT 7925

Dpa elastic (mt2)
Cross Section

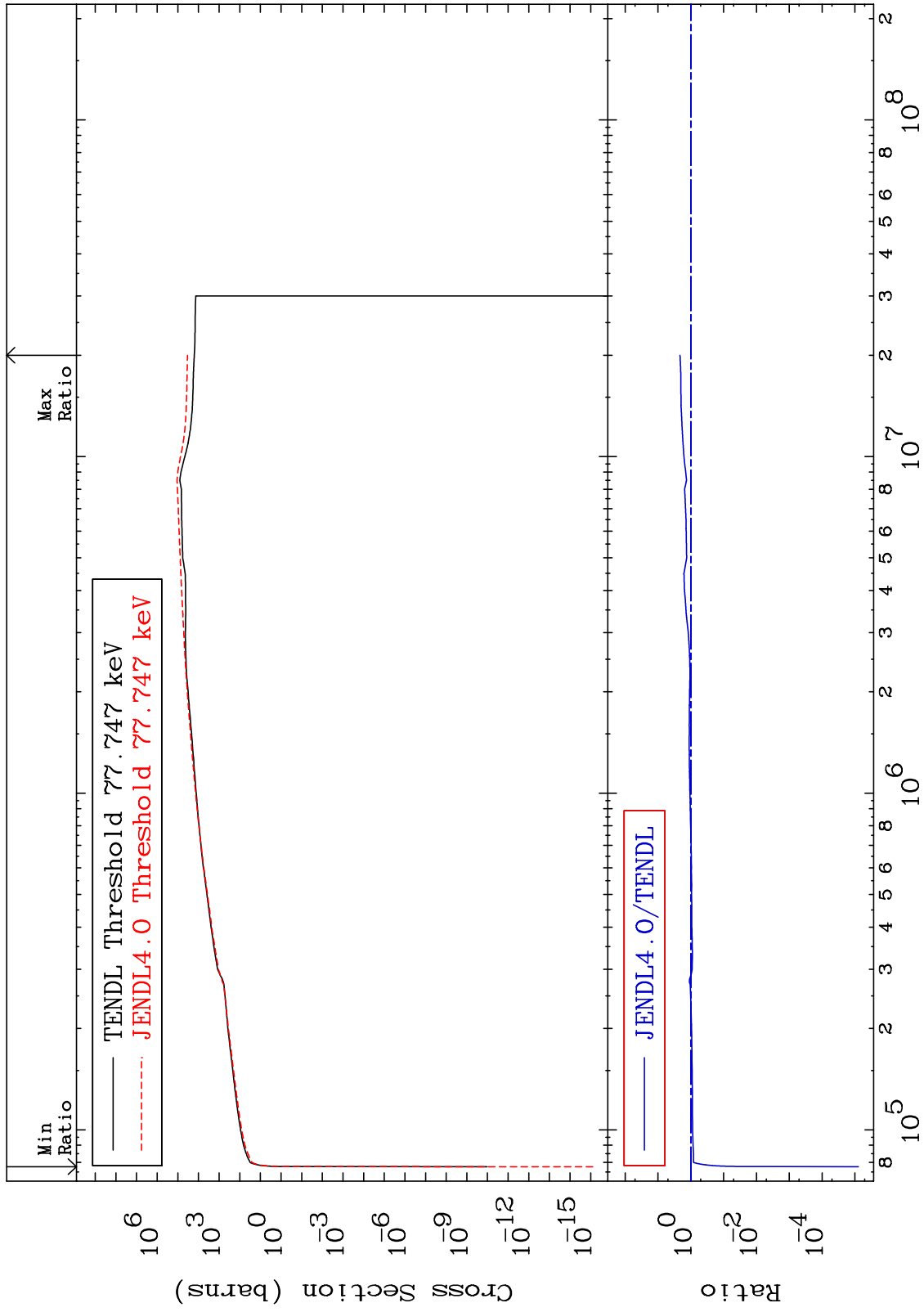
79-Au-197
-85.18 To 1769. %



MAT 7925

Dpa inelastic (mt51-91)
Cross Section

79-Au-197
-100.0 To 113.5 %



55

Incident Energy (eV)

79-Au-197

MAT 7925

Dpa disappearance (mt102 -120)
Cross Section

79-Au-197
-96.33 To 9999. %

