

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

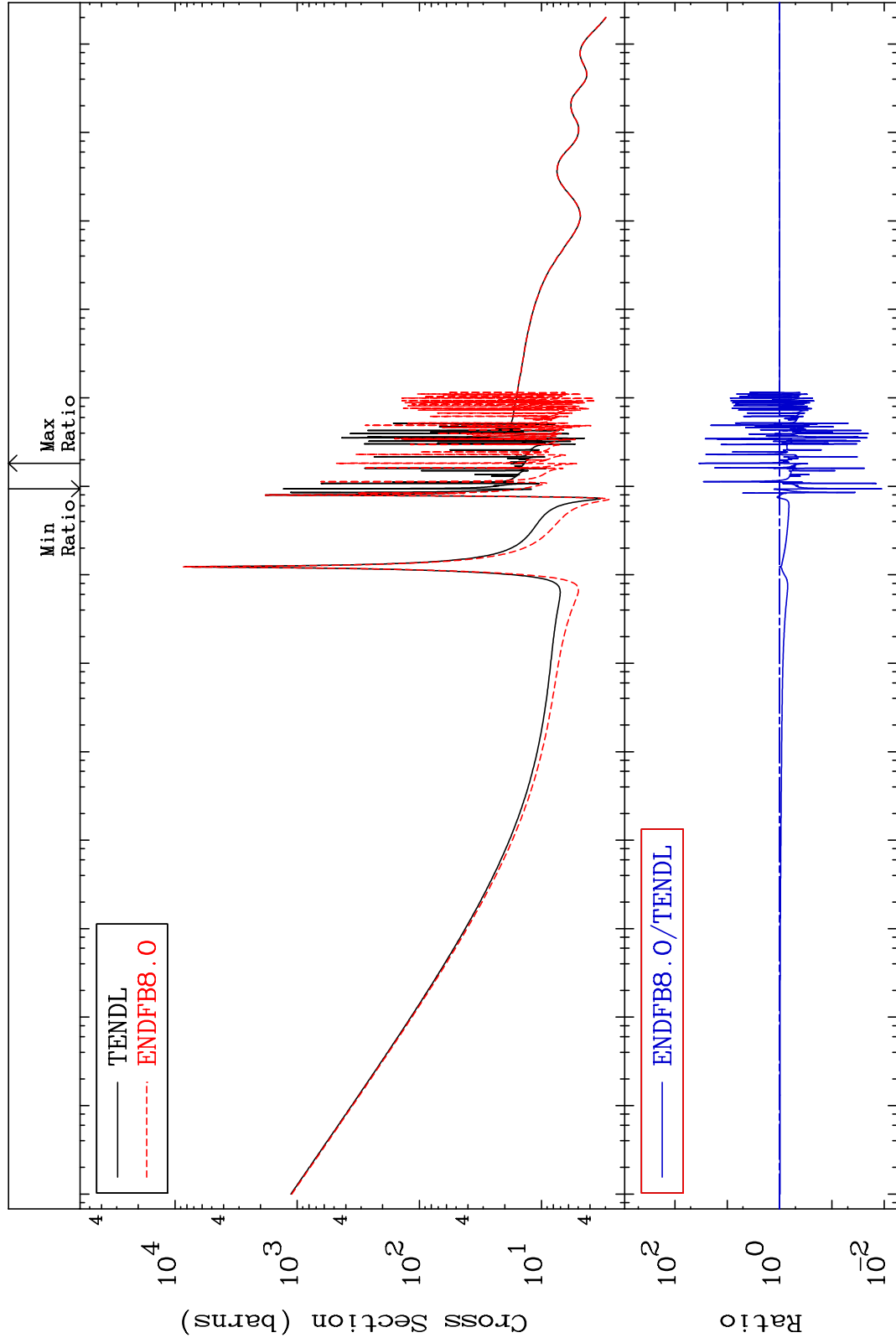
MAT 8128

Total

81-Tl-204

Cross Section

-98.87 To 3408. %



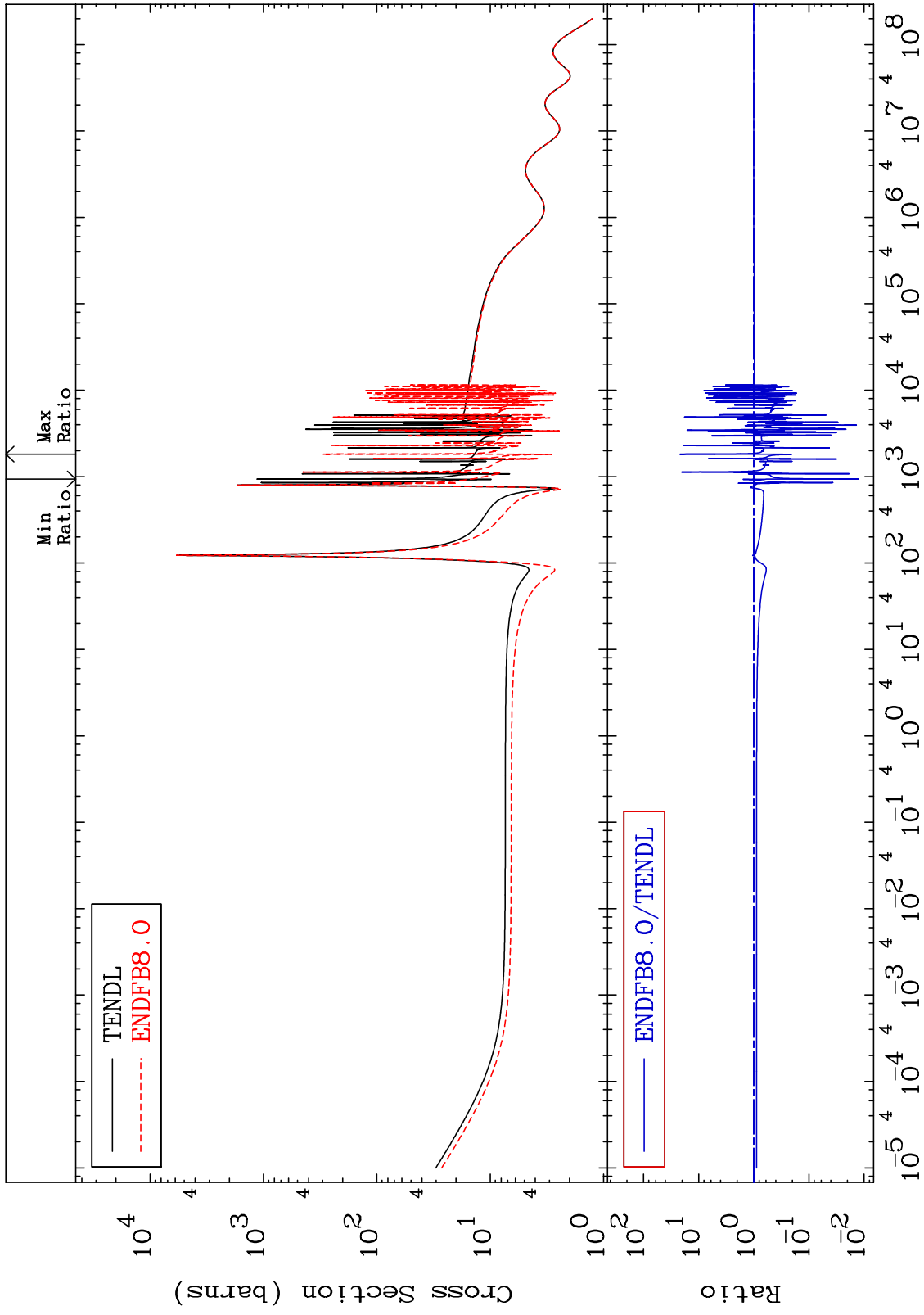
Incident Energy (eV)

81-Tl-204

MAT 8128

Elastic
Cross Section

81-Tl-204
-98.73 To 2095. %



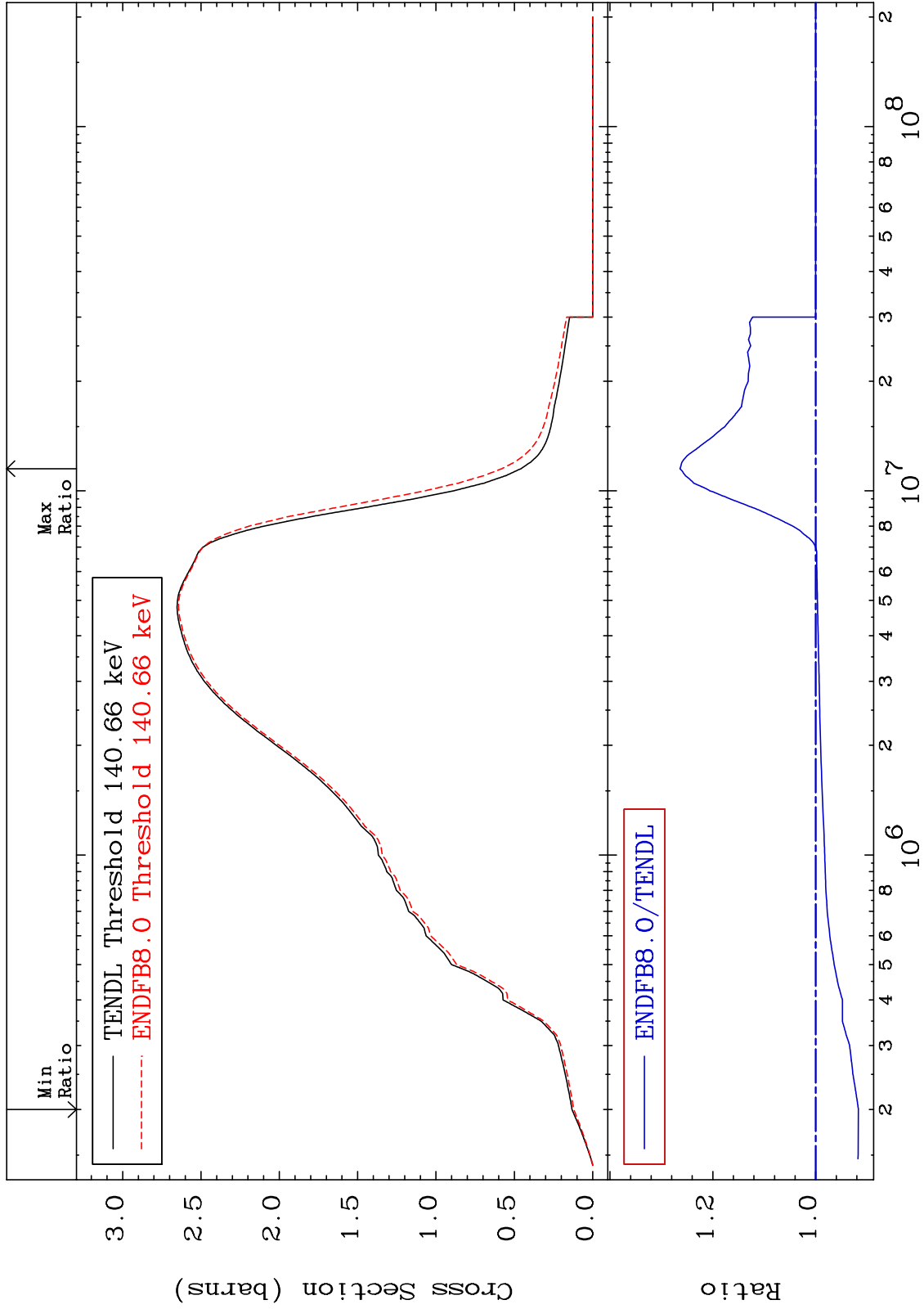
MAT 8128

Inelastic

81-Tl-204

Cross Section

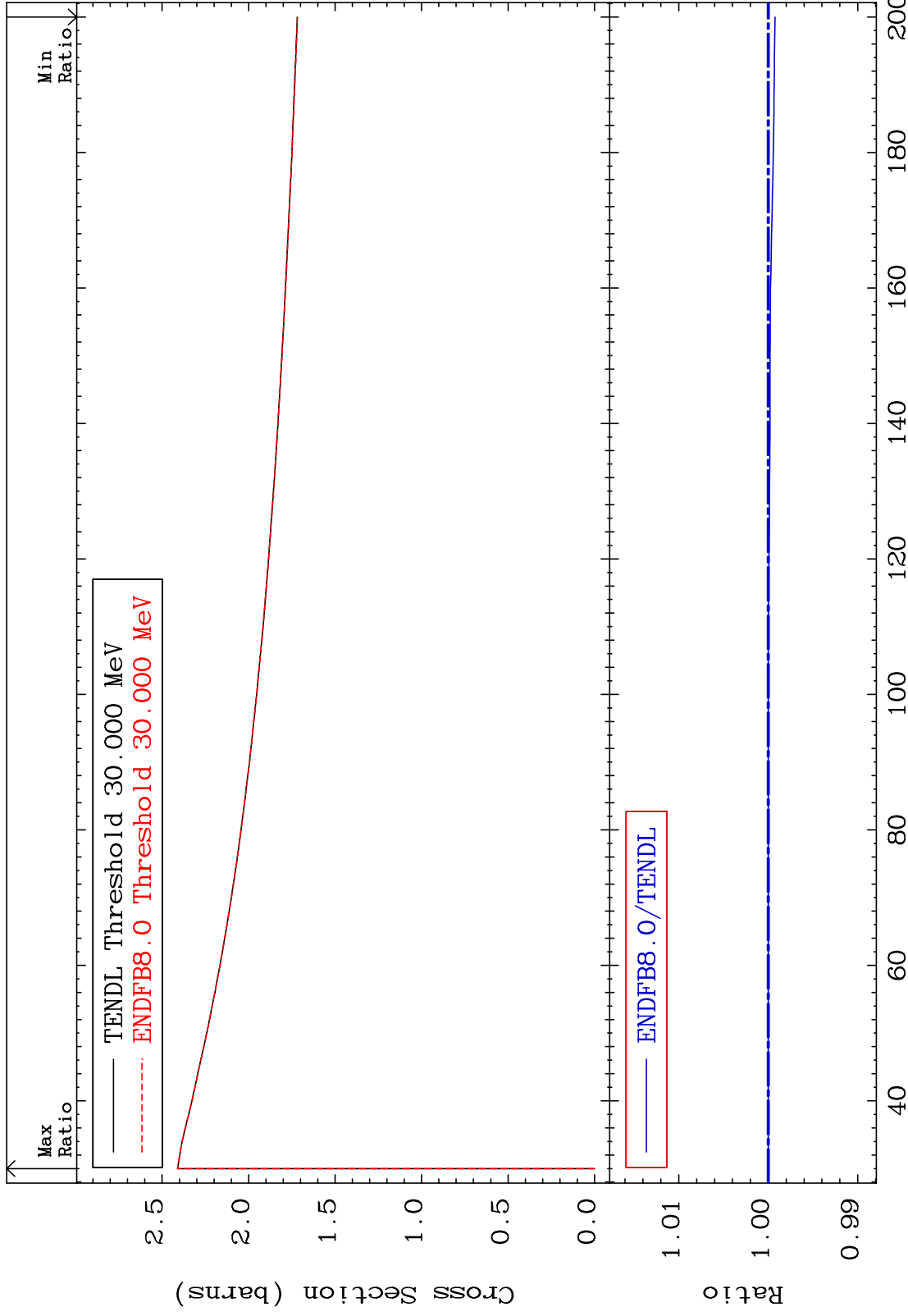
-8.305 To 26.38 %



MAT 8128

(n, remainder)
Cross Section

81-Tl-204
-0.075 To 0.000 %



81-Tl-204

Incident Energy (MeV)

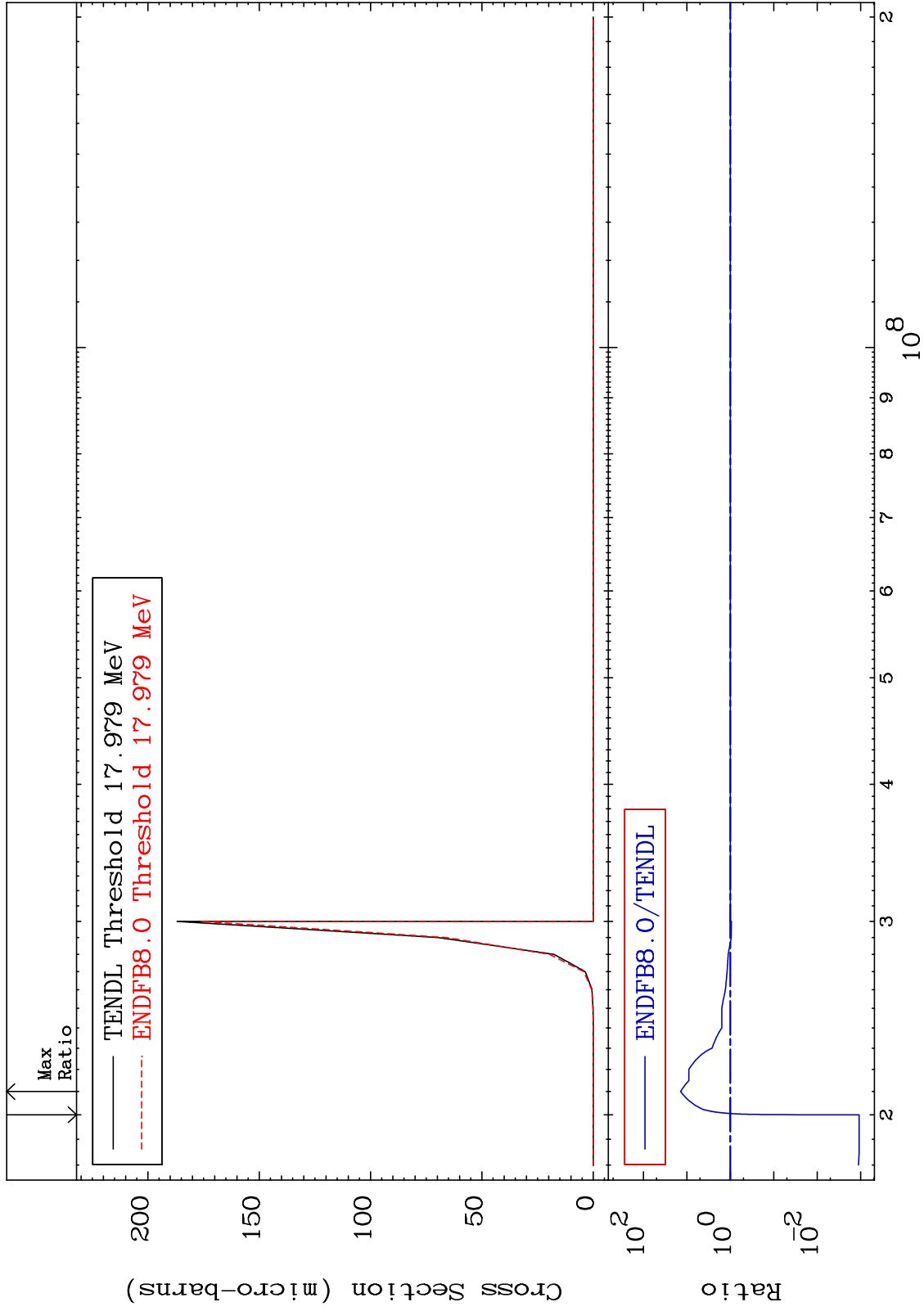
MAT 8128

(n,2n) d

81-Tl-204

Cross Section

-99.89 To 1291. %



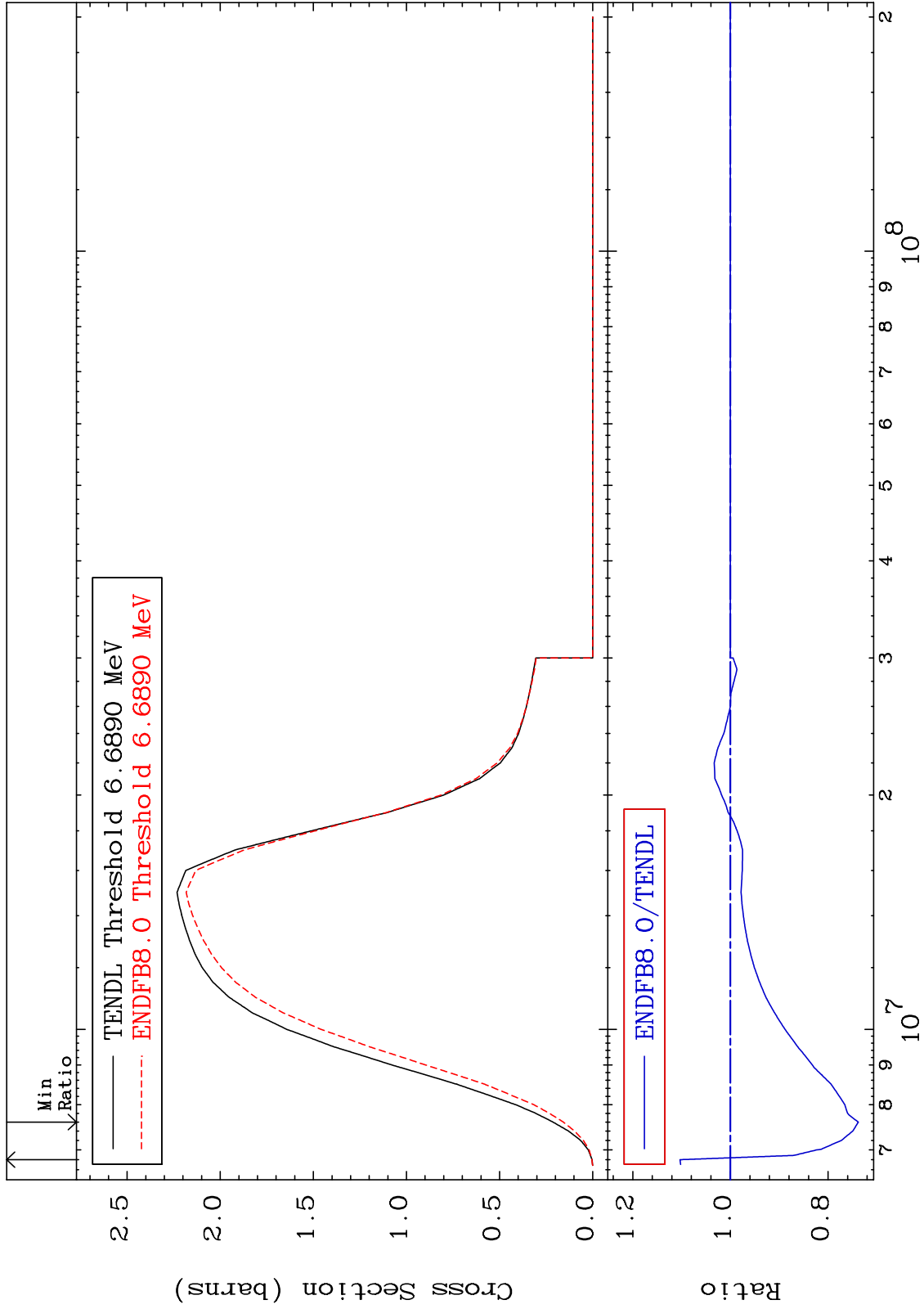
MAT 8128

(n,2n)

81-Tl-204

Cross Section

-26.21 To 10.32 %



6

Incident Energy (eV)

81-Tl-204

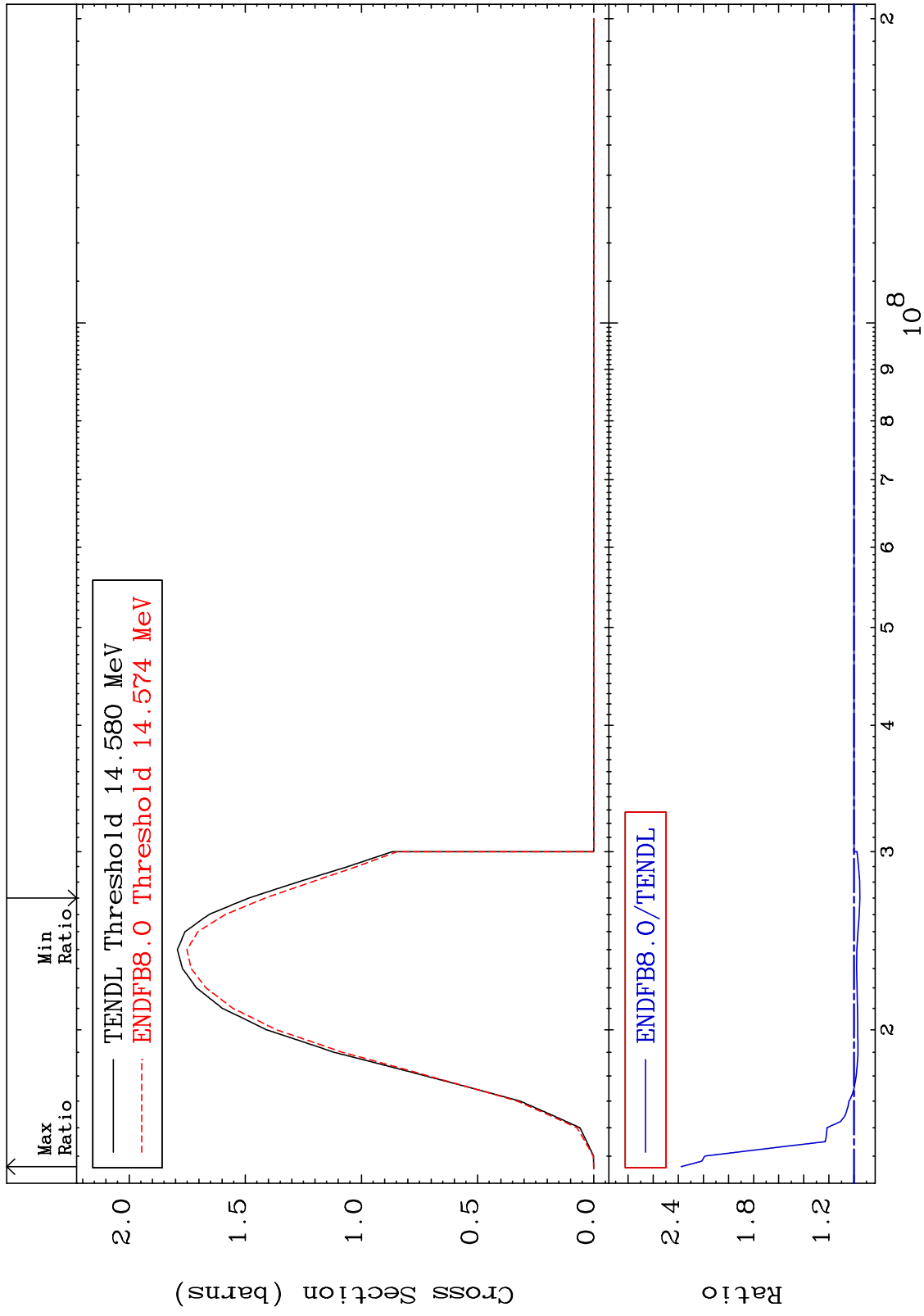
MAT 8128

(n,3n)

81-Tl-204

Cross Section

-4.742 To 137.7 %



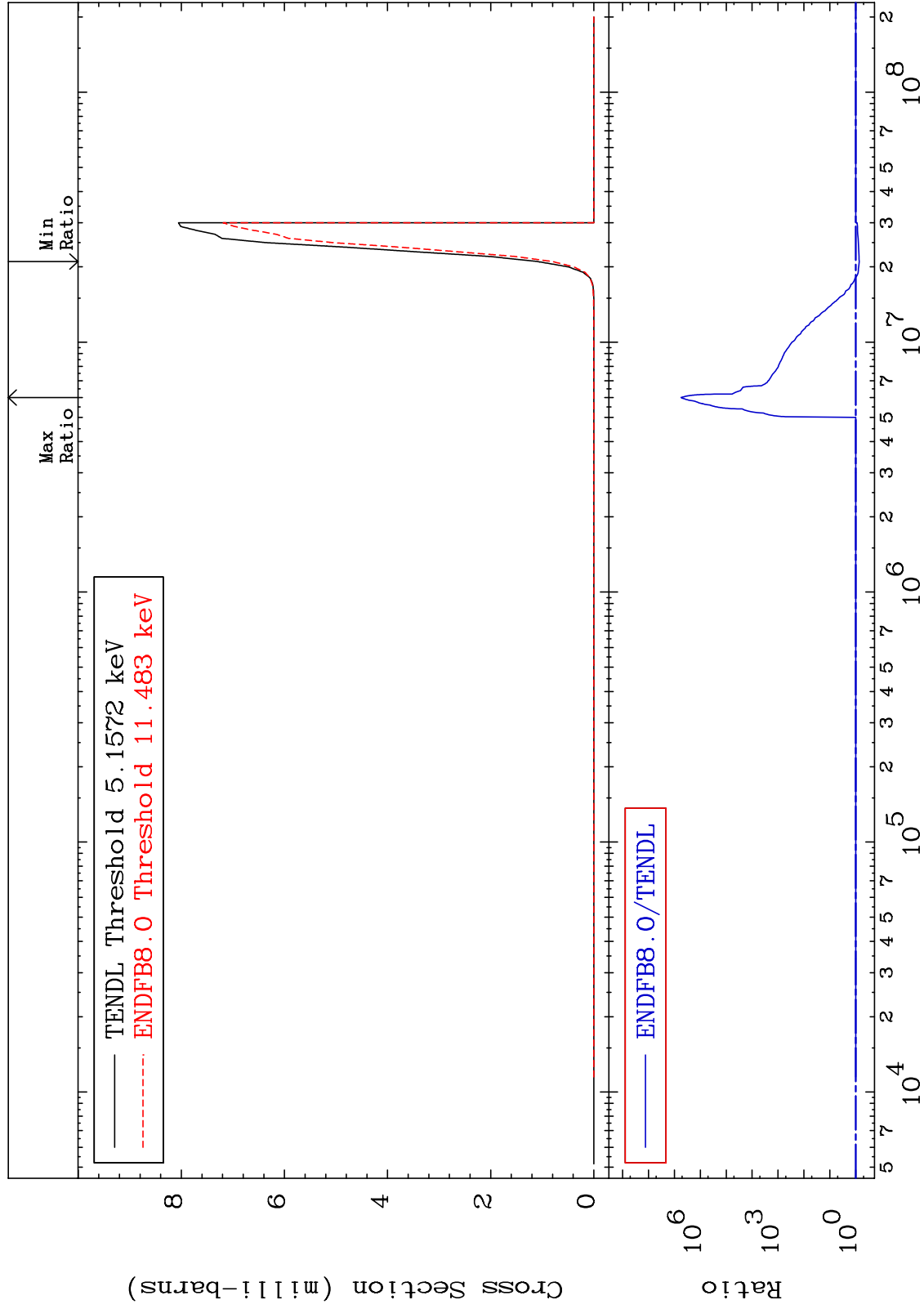
MAT 8128

(n,n') α

Cross Section

81-Tl-204

-26.43 To 9999. %



8

Incident Energy (eV)

81-Tl-204

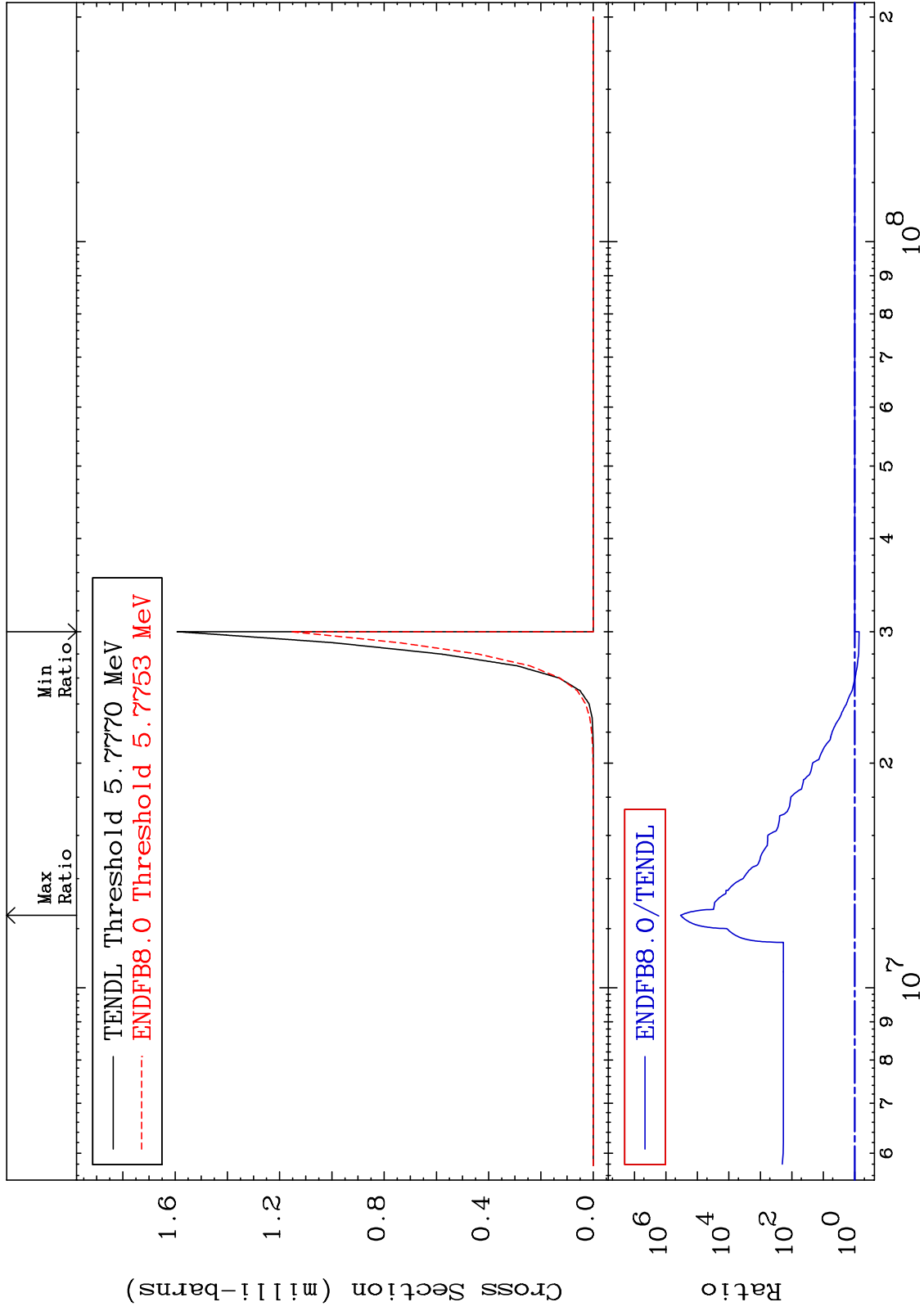
MAT 8128

(n,2n) α

81-Tl-204

Cross Section

-27.35 To 9999. %



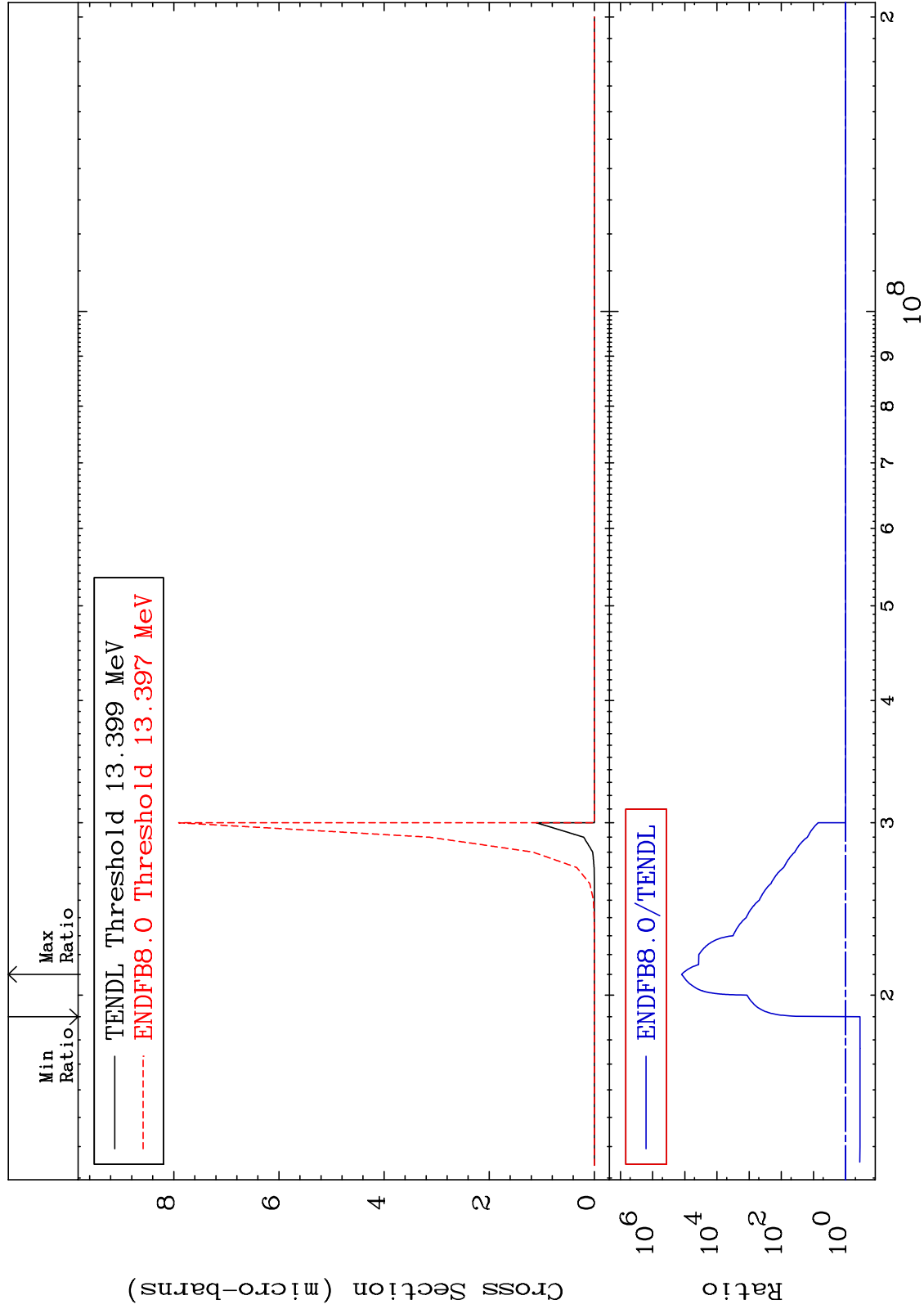
MAT 8128

(n,3n) α

81-Tl-204

Cross Section

-64.30 To 9999. %



10

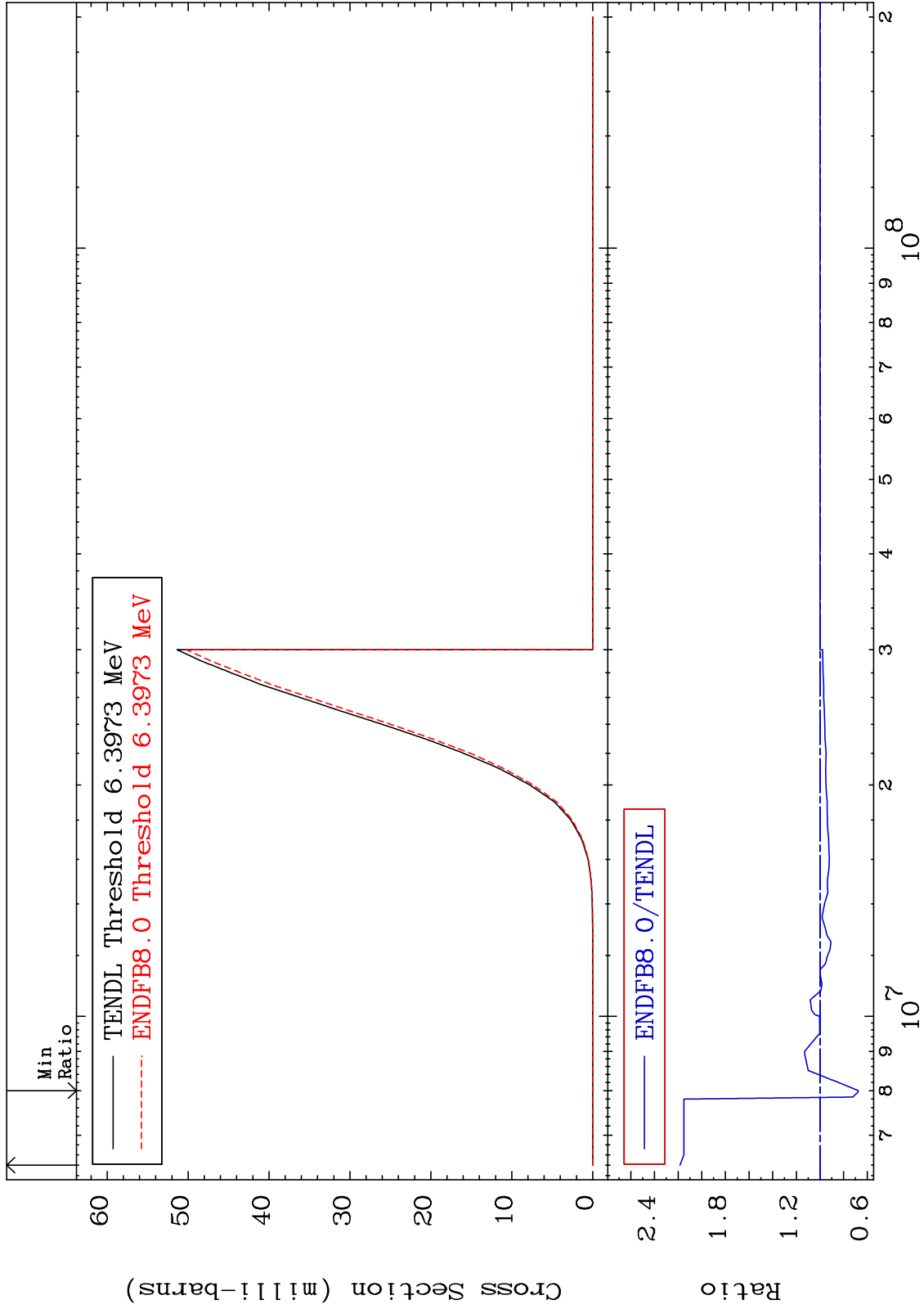
Incident Energy (eV)

81-Tl-204

MAT 8128

(n,n') p
Cross Section

81-Tl-204
-32.54 To 118.4 %



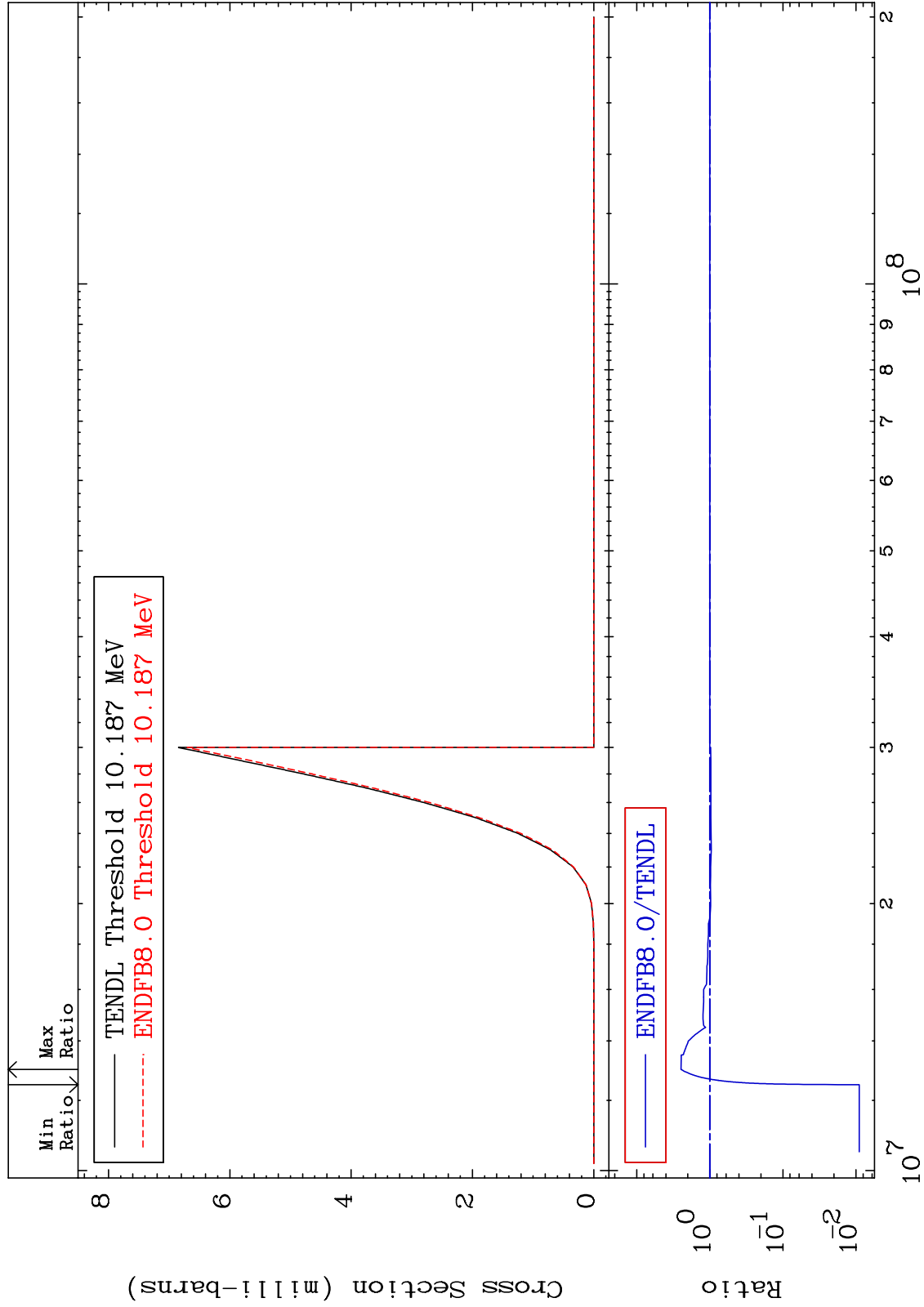
MAT 8128

(n,n') d

81-Tl-204

Cross Section

-99.10 To 147.7 %



Incident Energy (eV)

81-Tl-204

12

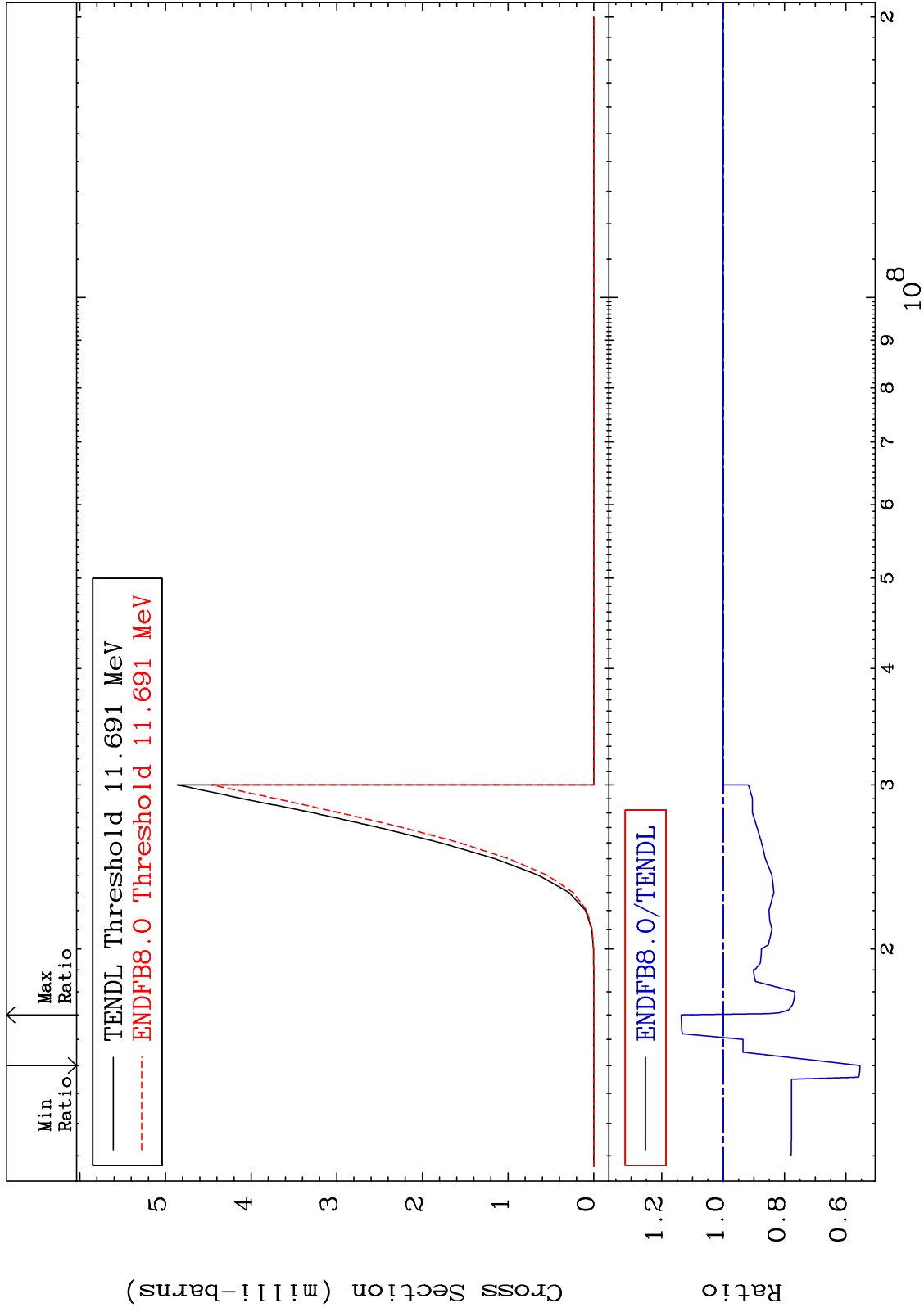
MAT 8128

(n,n') t

81-Tl-204

Cross Section

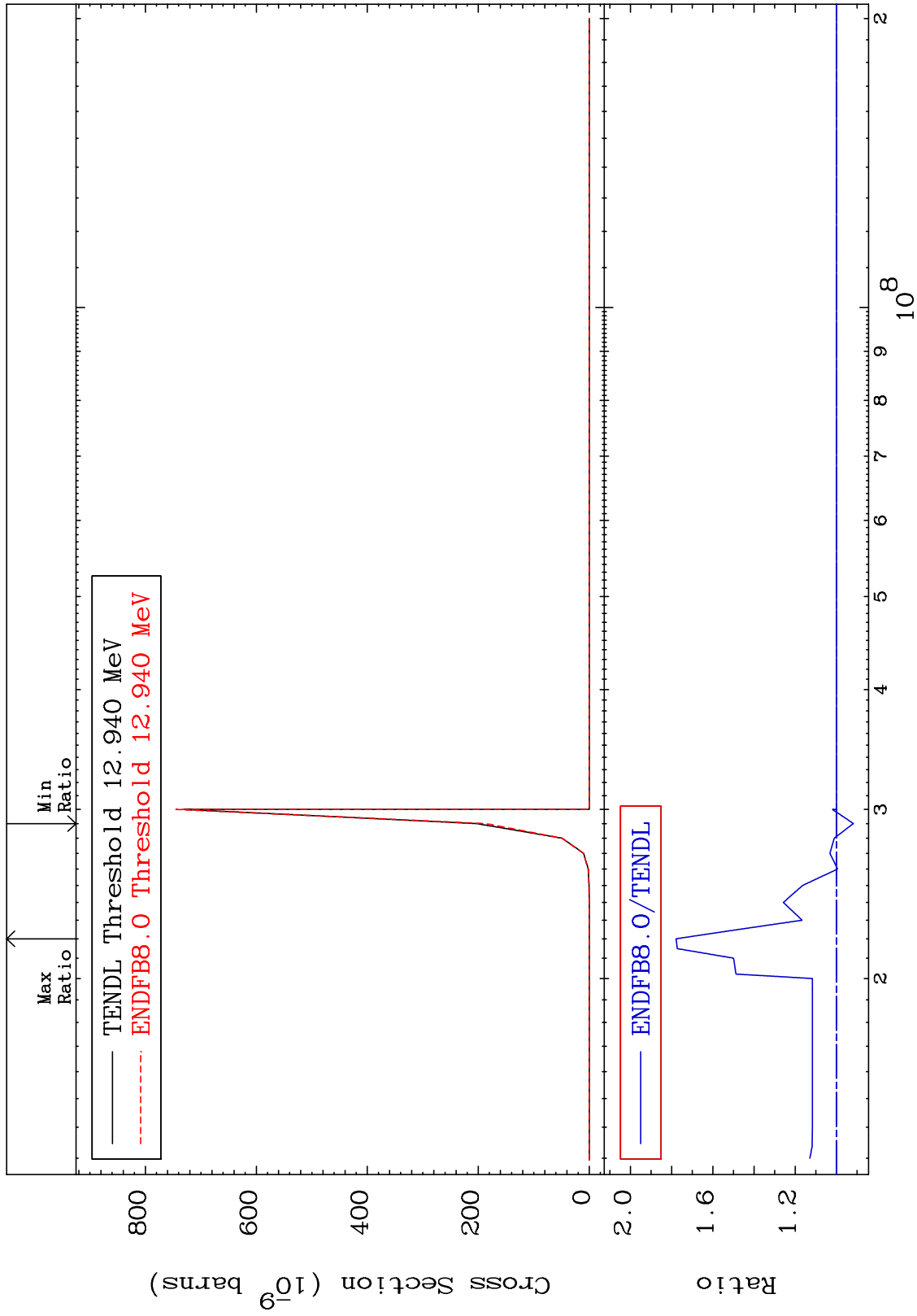
-44.54 To 13.68 %



MAT 8128

(n, n') He-3
Cross Section

81-Tl-204
-8.222 To 77.88 %



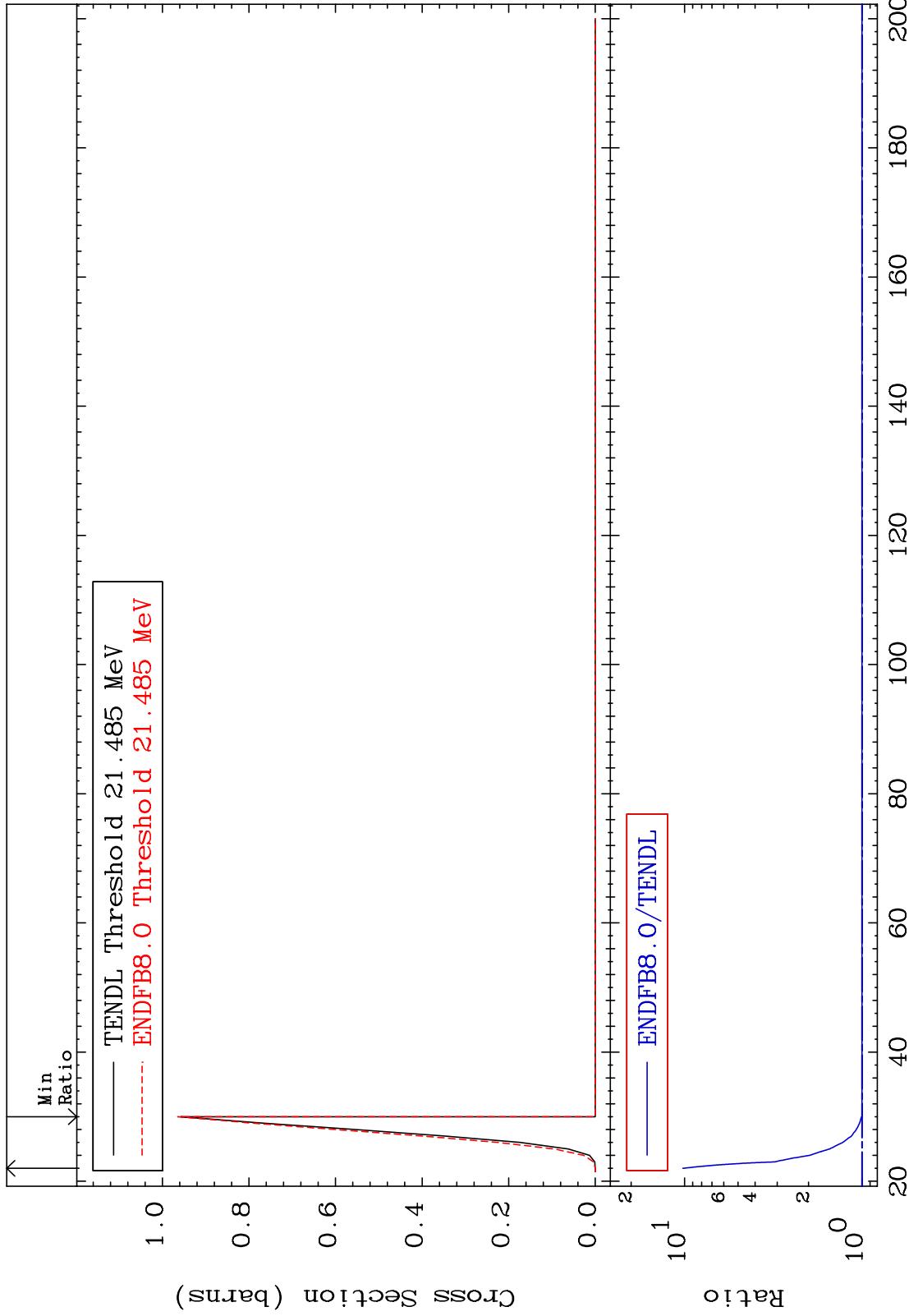
MAT 8128

(n, 4n)

81-Tl-204

Cross Section

0.000 To 920.8 %



81-Tl-204

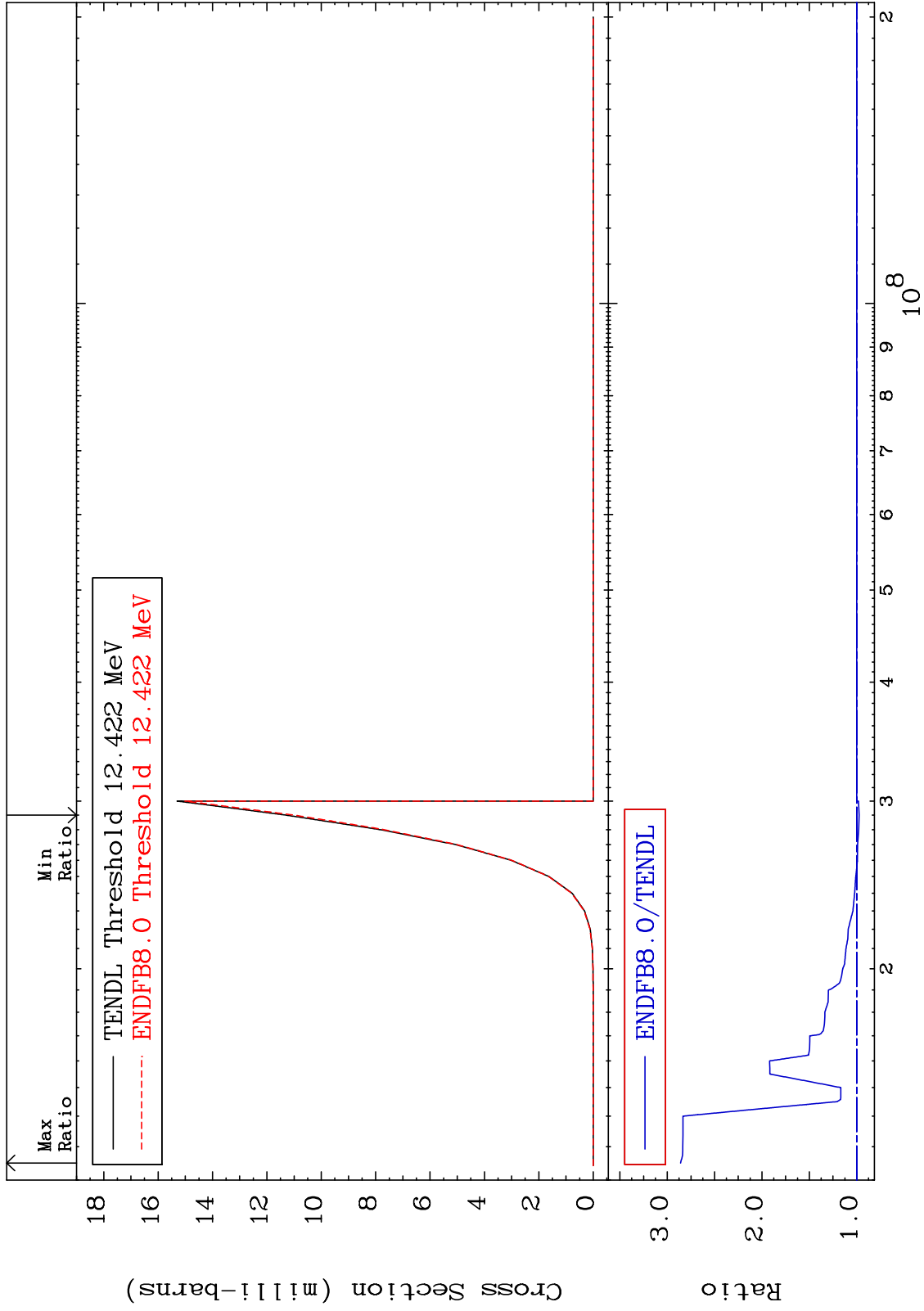
Incident Energy (MeV)

15

MAT 8128

(n,2n) p
Cross Section

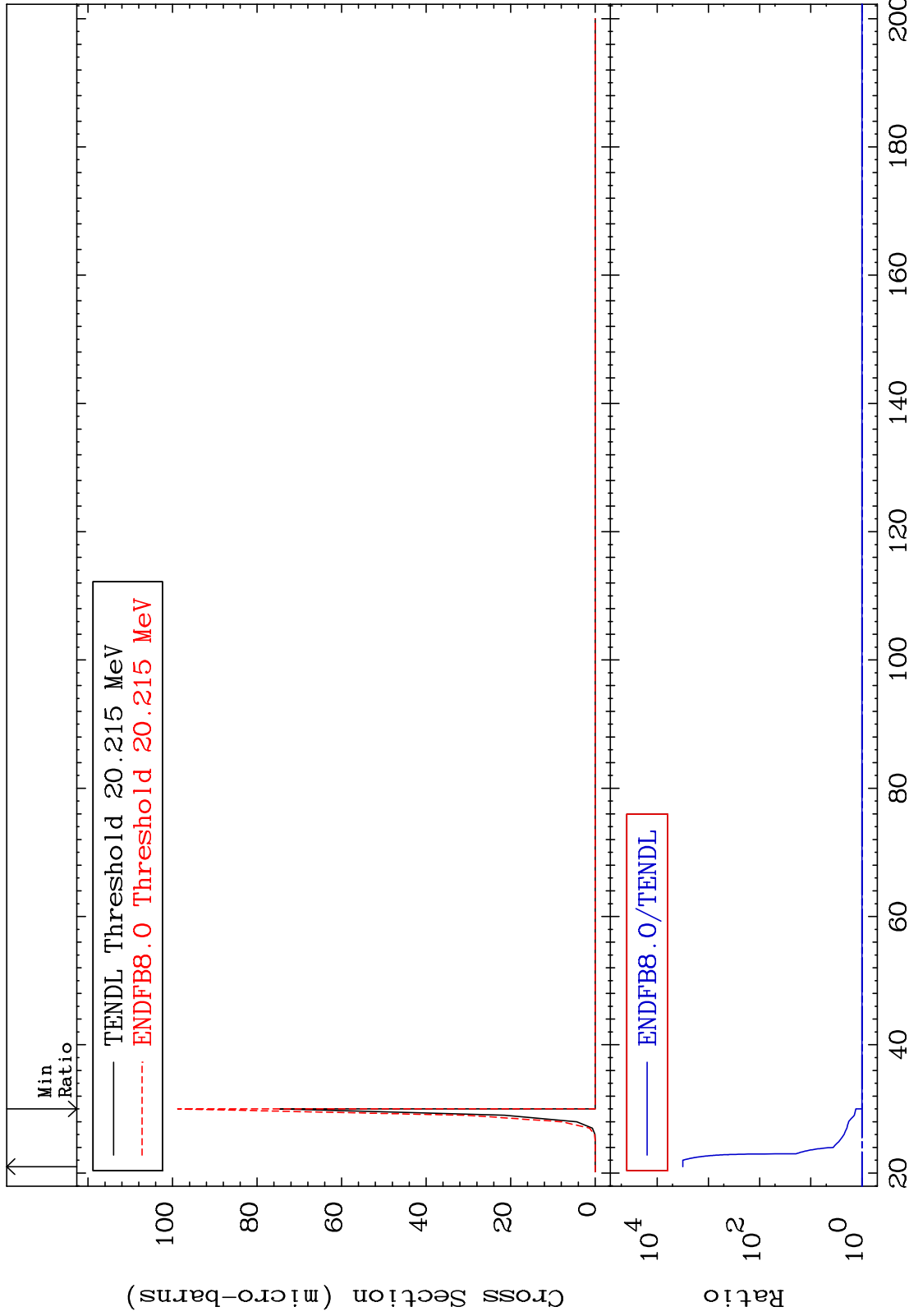
81-Tl-204
-2.615 To 185.9 %



MAT 8128

(n,3n) p
Cross Section

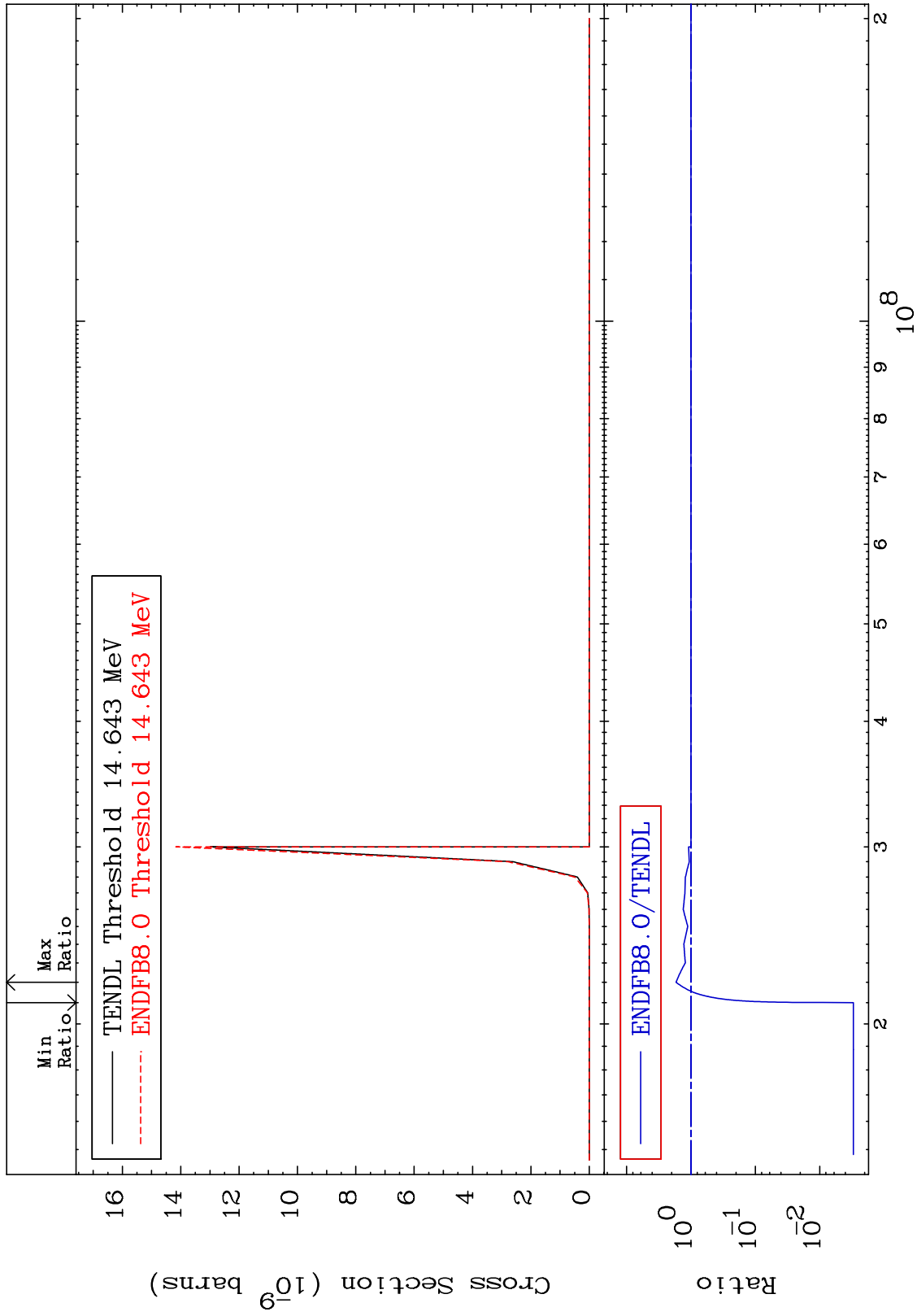
81-Tl-204
0.000 To 9999. %



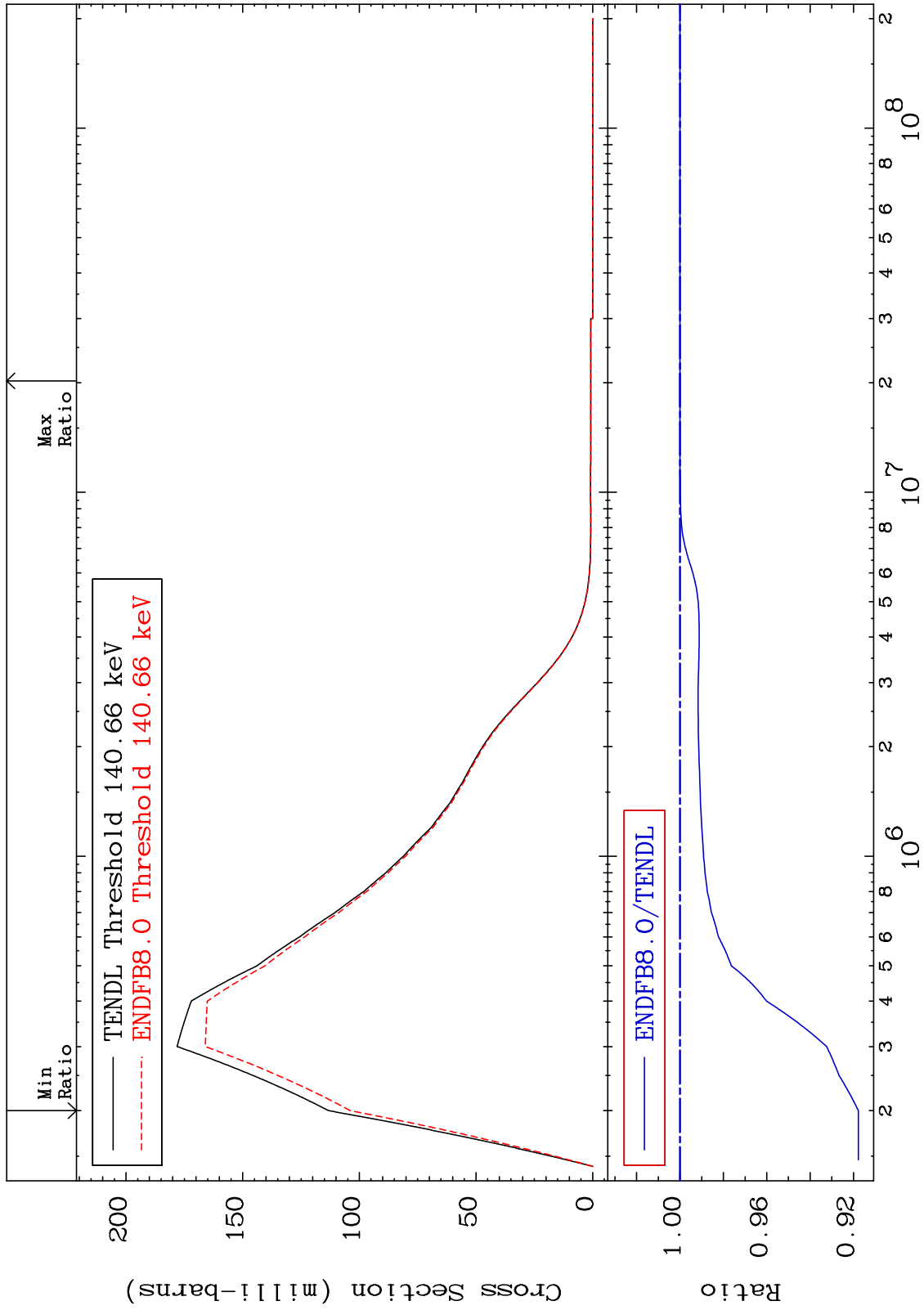
MAT 8128

(n,2n) p
Cross Section

81-Tl-204
-99.70 To 70.41 %



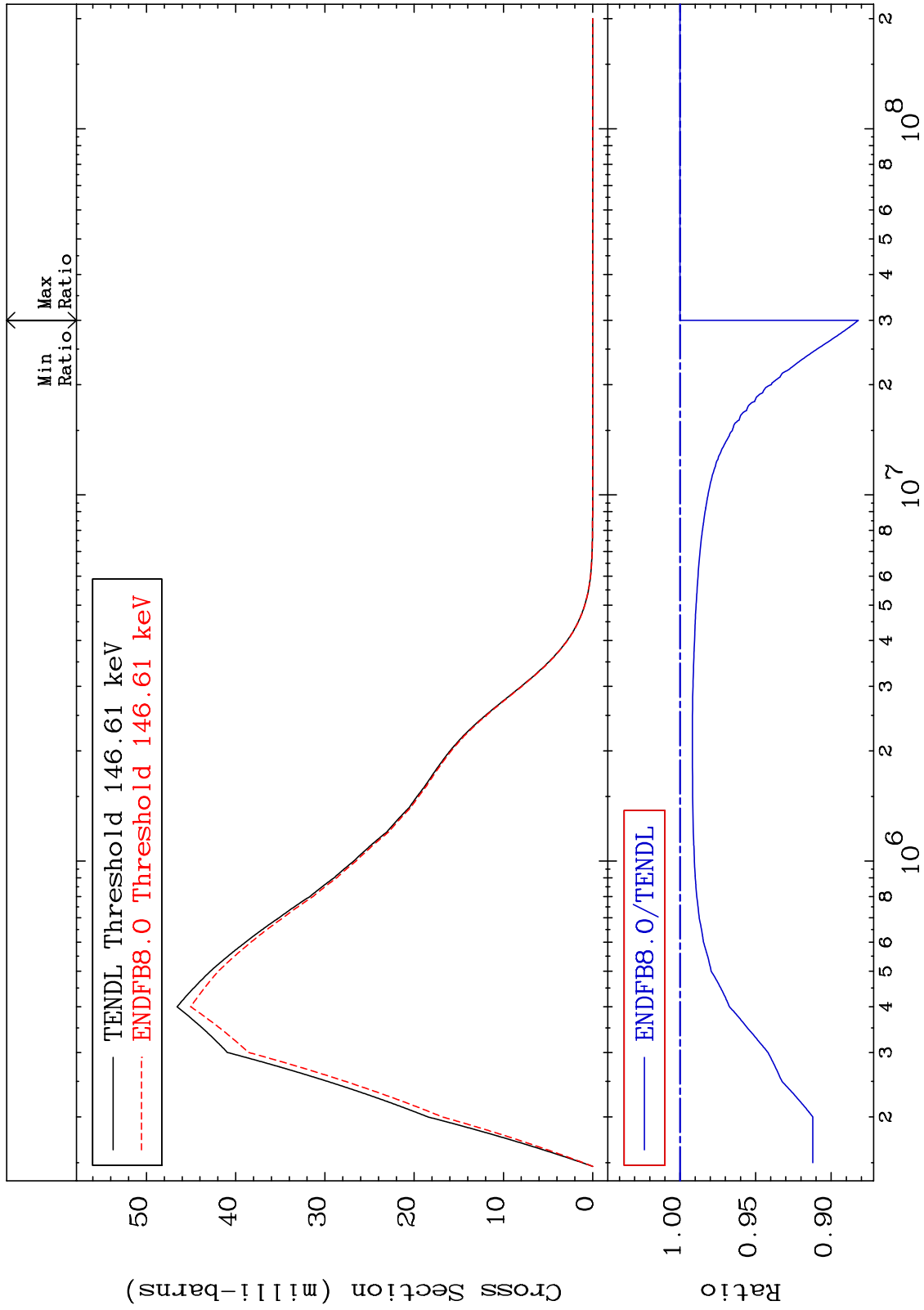
MAT 8128 MT= 51 (n,n') Level Cross Section 81-Tl-204 -8.227 To 0.000 %



MAT 8128

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

81-Tl-204
-11.80 To 0.000 %



20

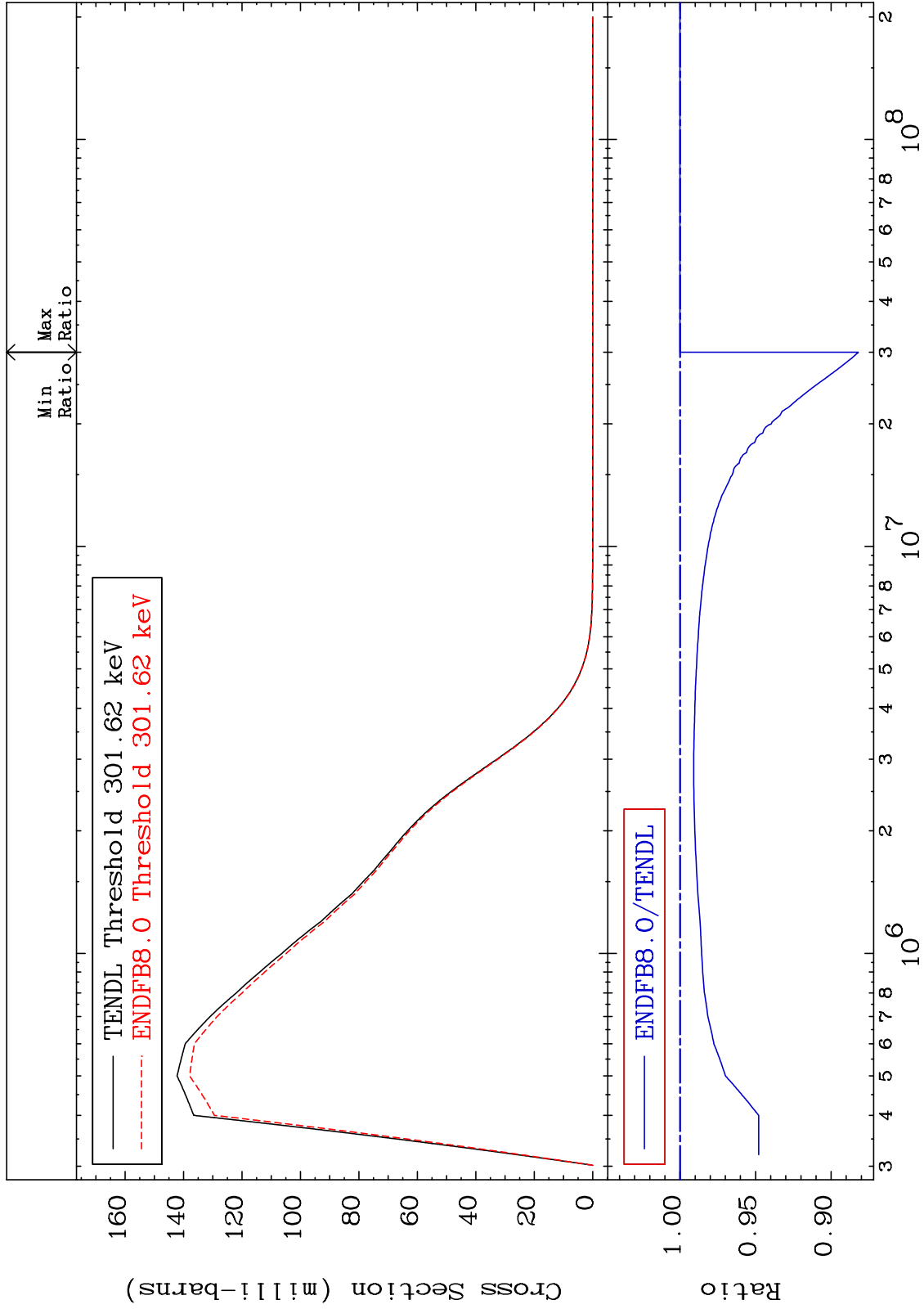
Incident Energy (eV)

81-Tl-204

MAT 8128

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

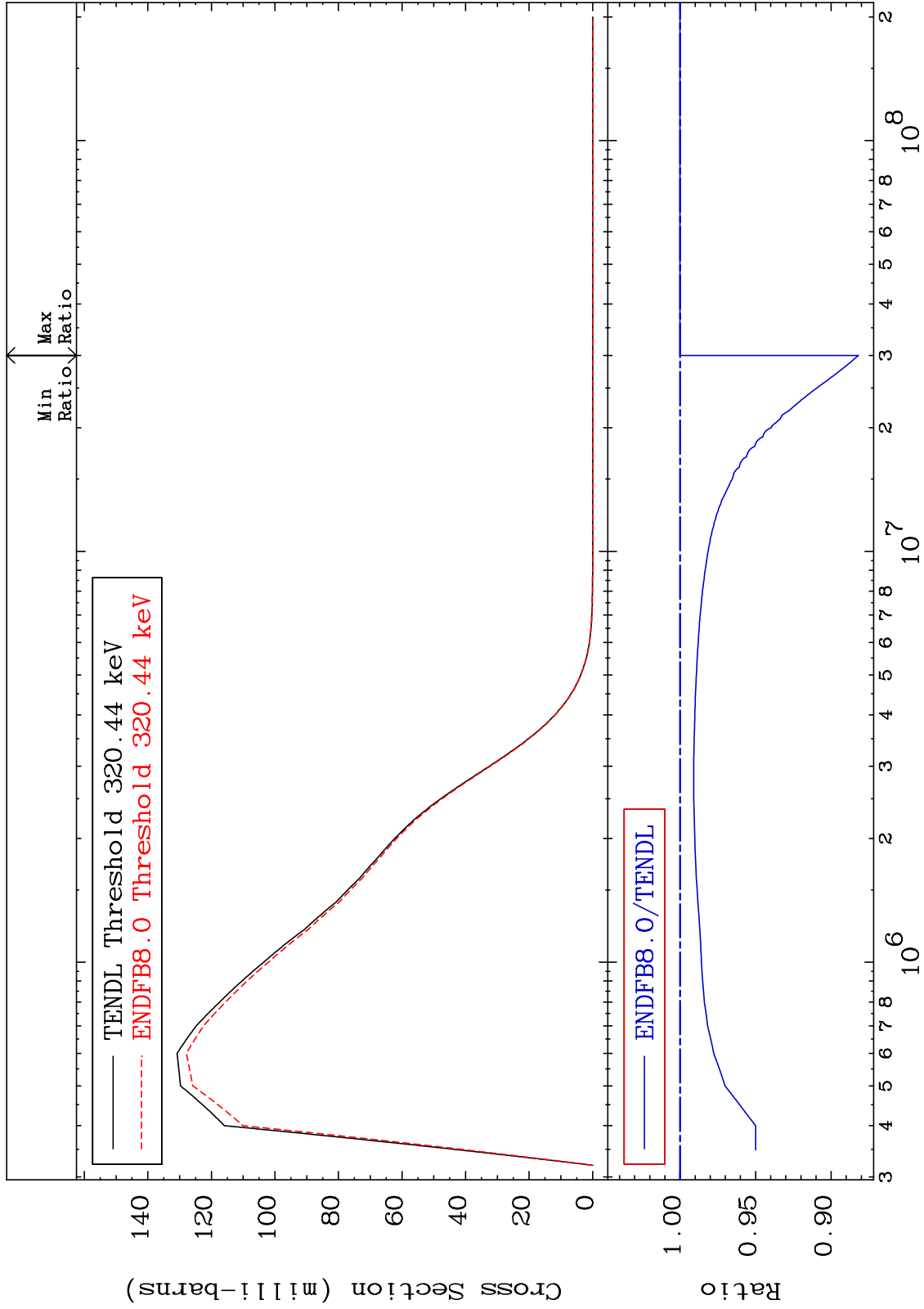
81-Tl-204
-11.80 To 0.000 %



MAT 8128

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

81-Tl-204
-11.80 To 0.000 %



22

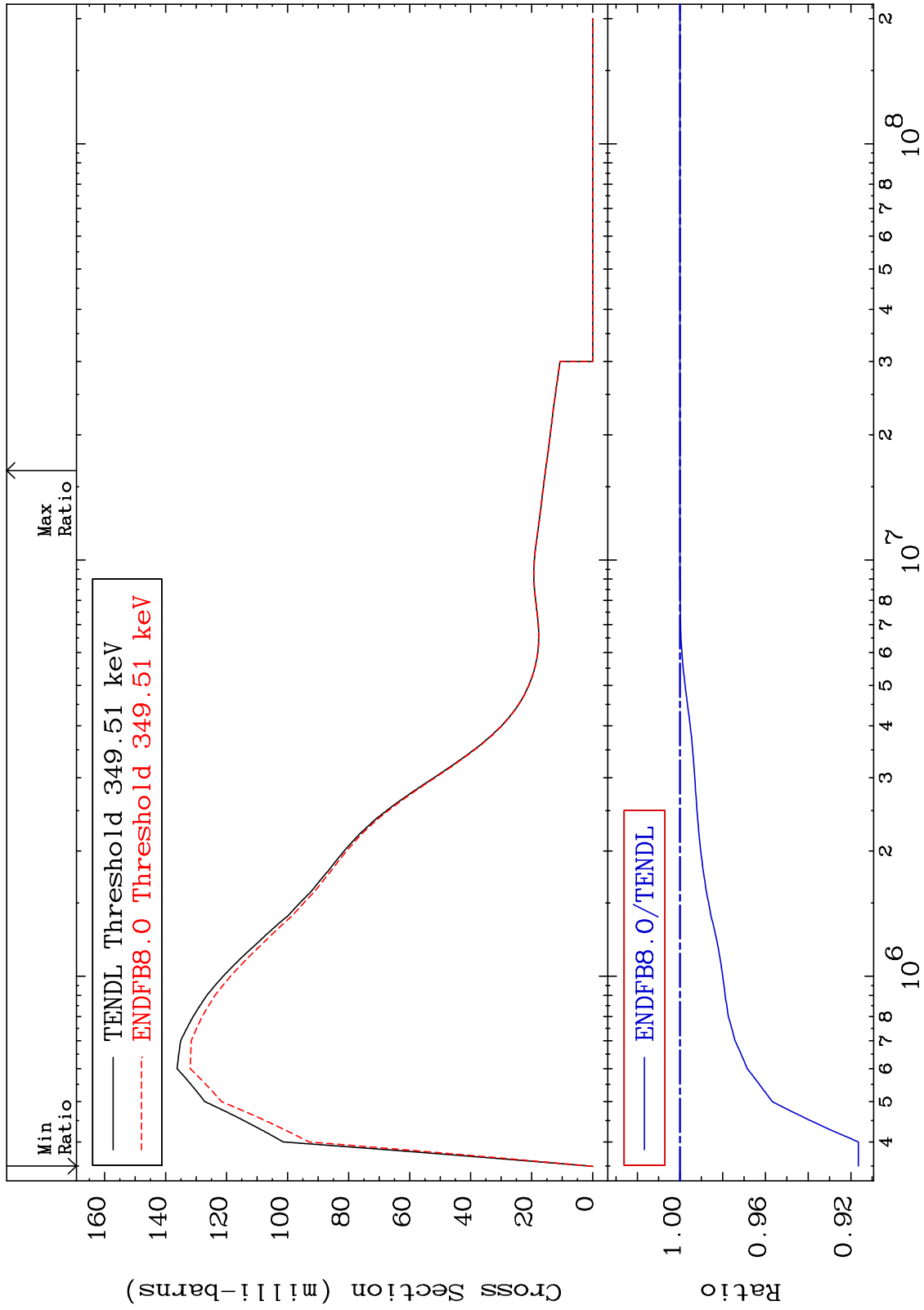
Incident Energy (eV)

81-Tl-204

MAT 8128

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

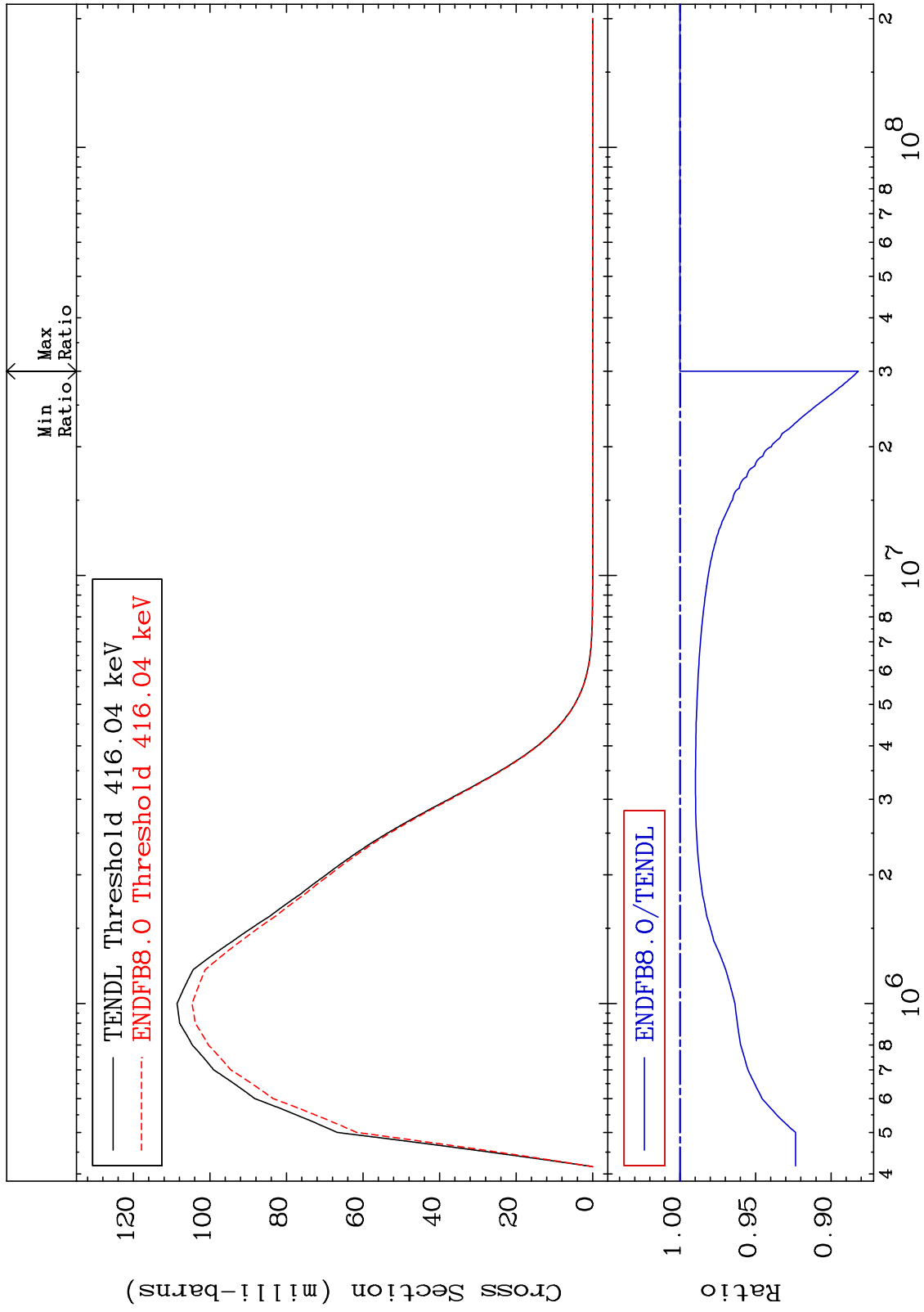
81-Tl-204
-8.354 To 0.000 %



MAT 8128

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

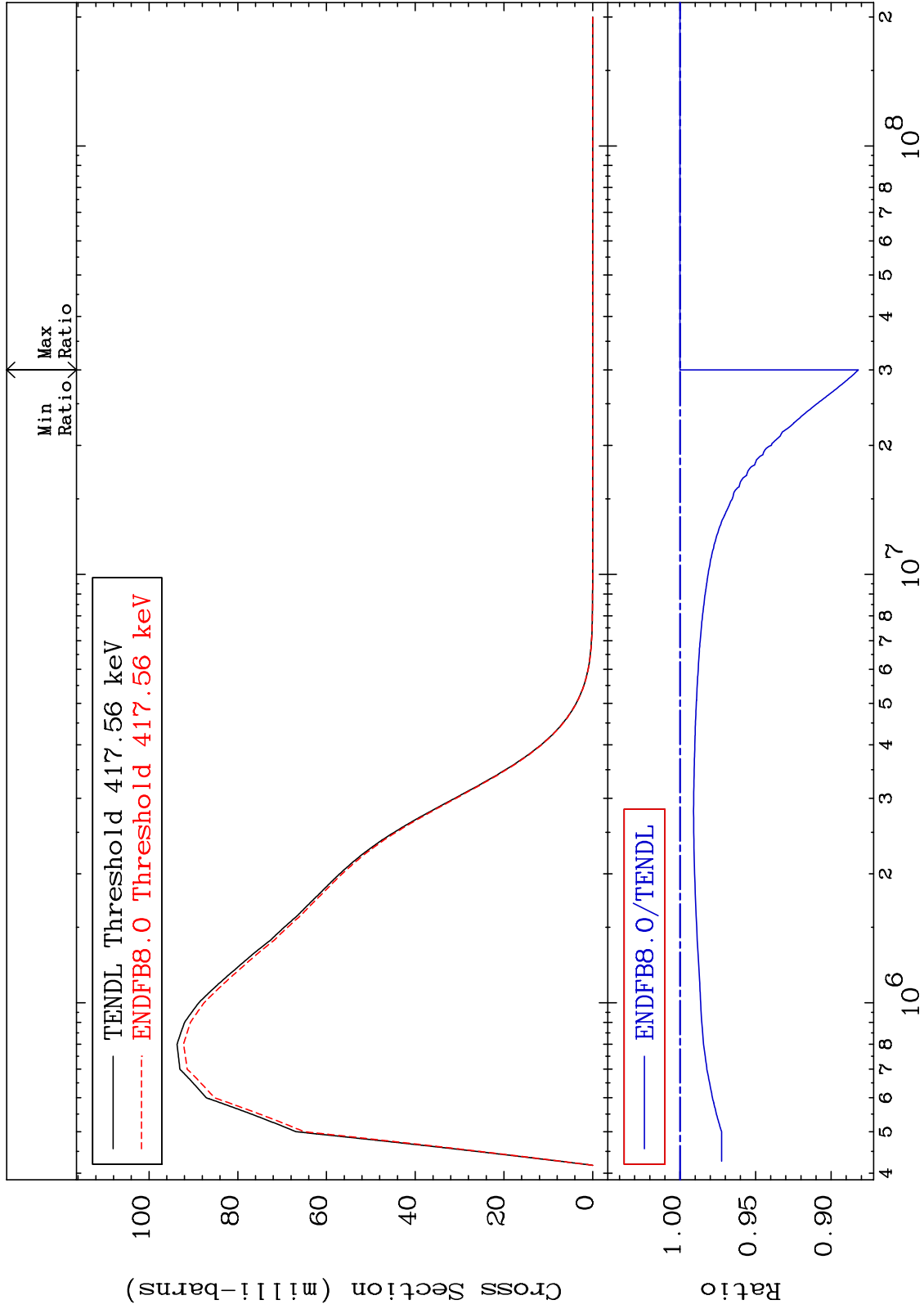
81-Tl-204
-11.81 To 0.000 %



MAT 8128

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

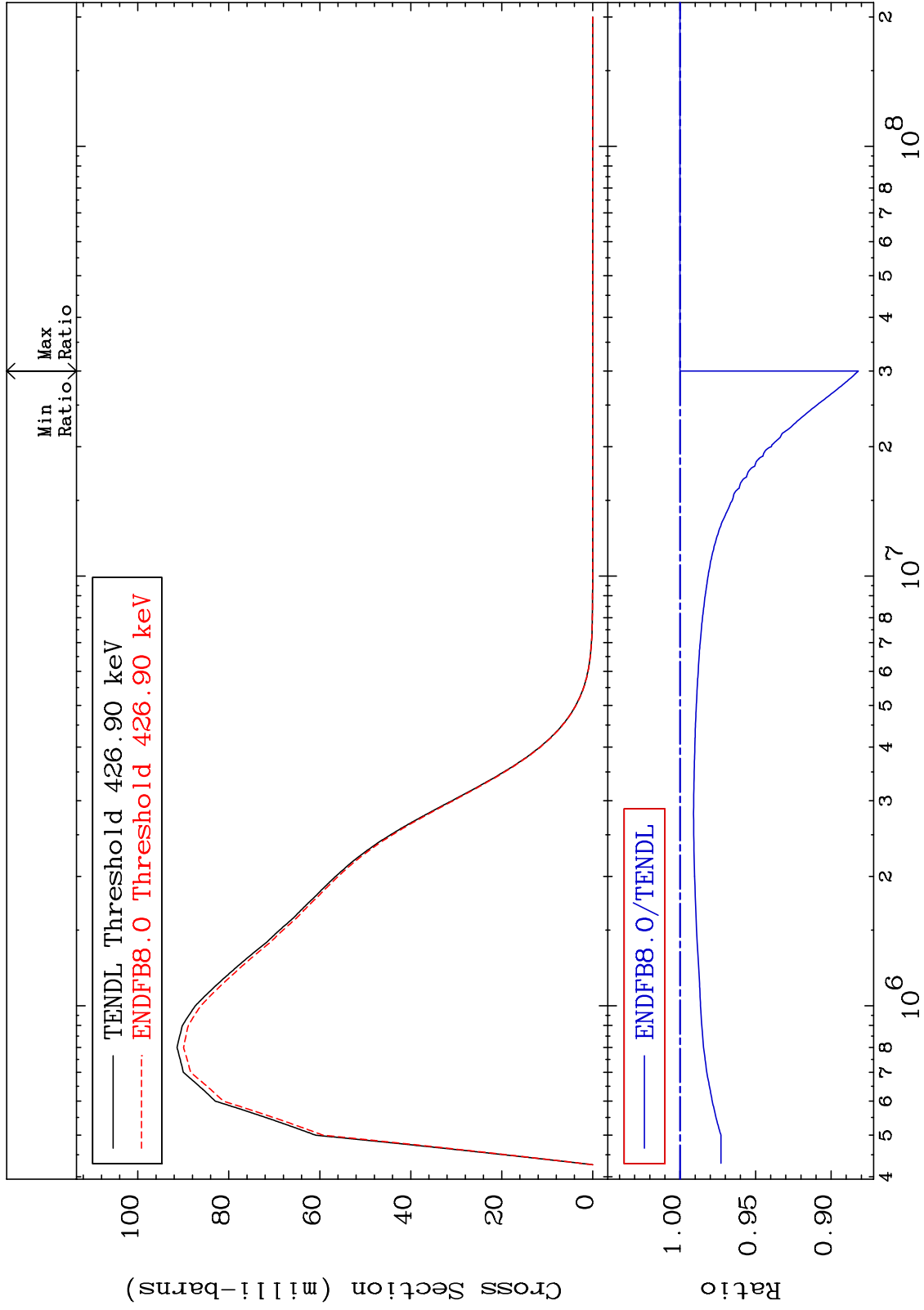
81-Tl-204
-11.80 To 0.000 %



MAT 8128

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

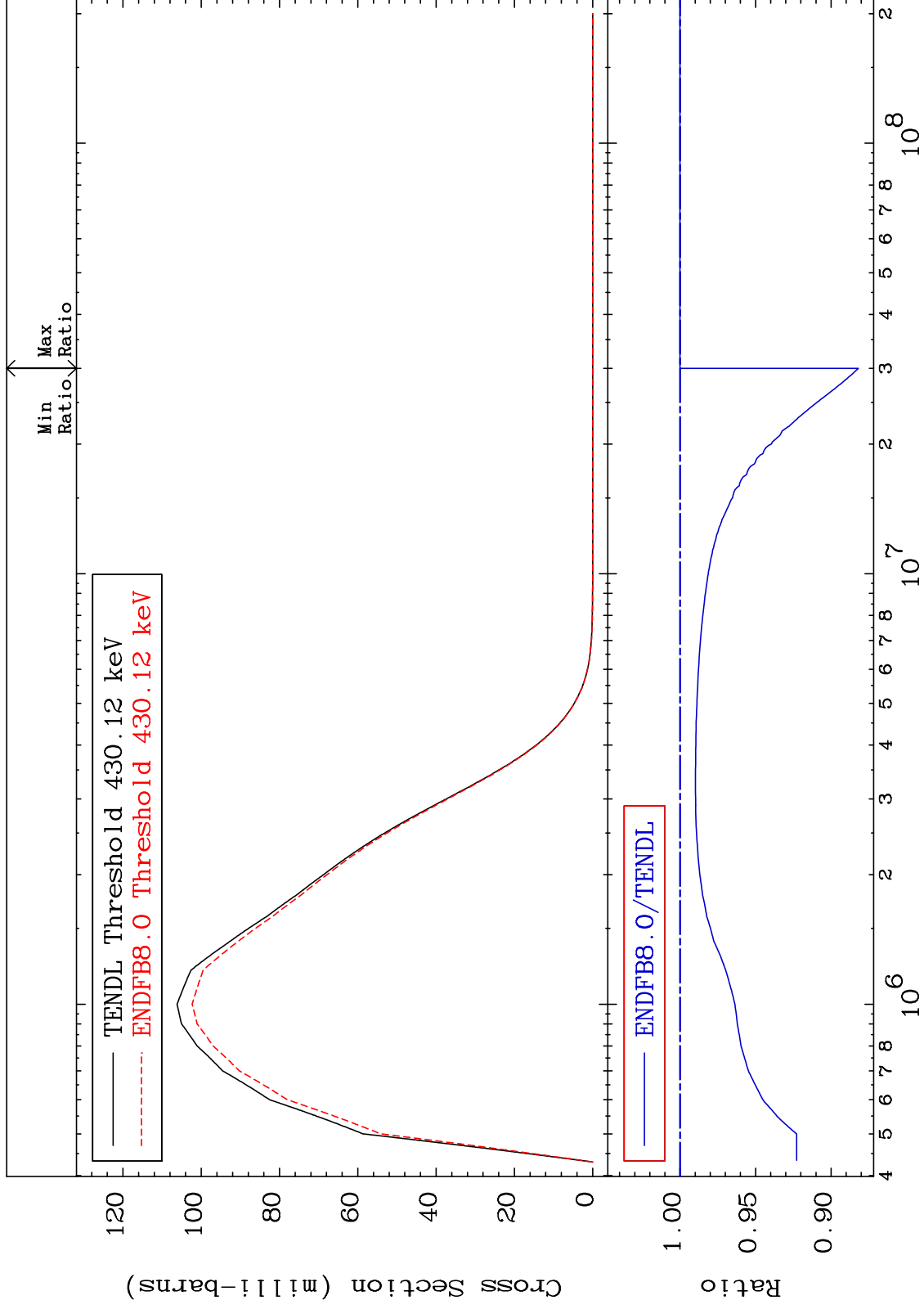
81-Tl-204
-11.80 To 0.000 %



MAT 8128

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

81-Tl-204
-11.81 To 0.000 %



27

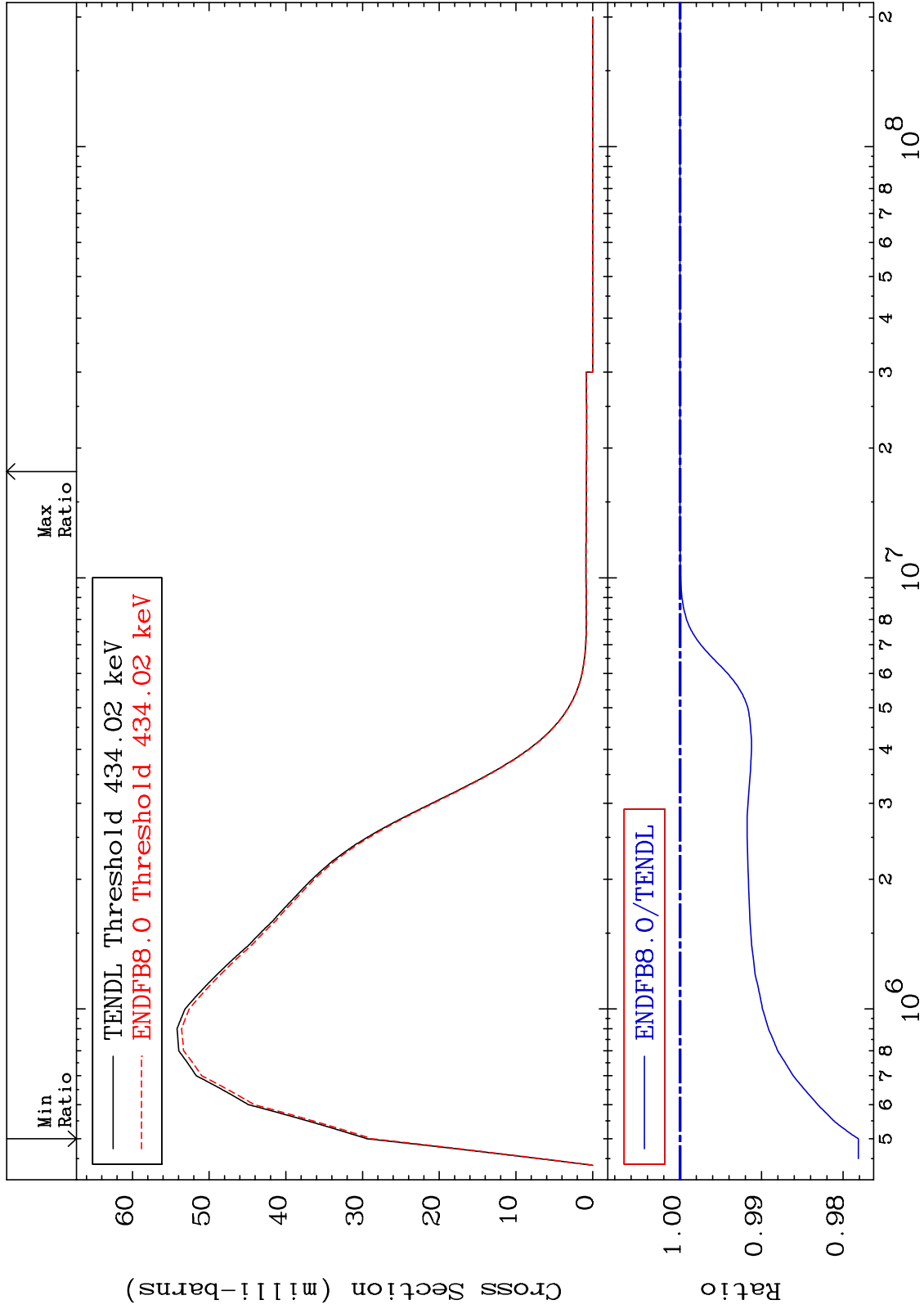
Incident Energy (eV)

81-Tl-204

MAT 8128

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

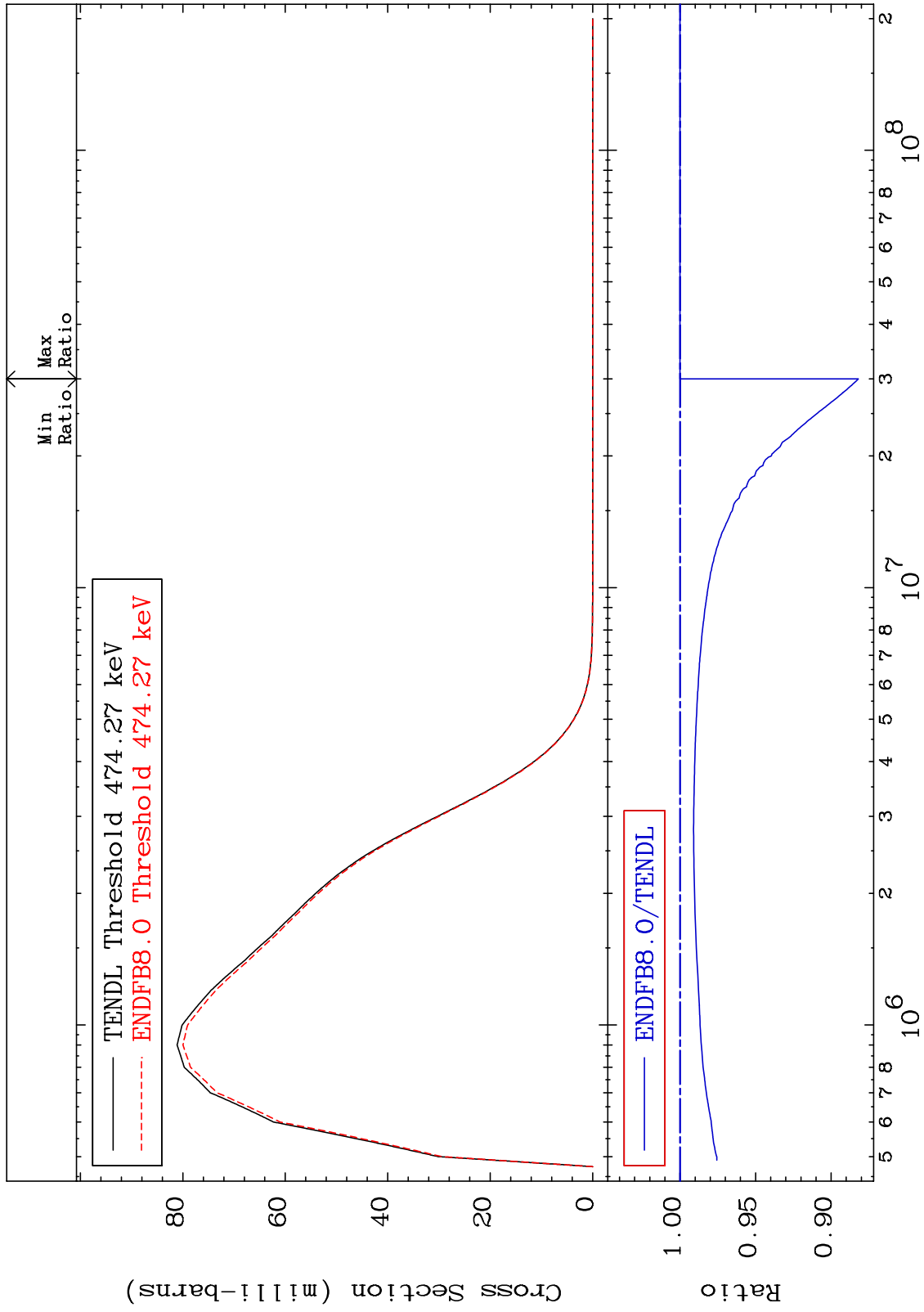
81-Tl-204
-2.187 To 0.000 %



MAT 8128

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

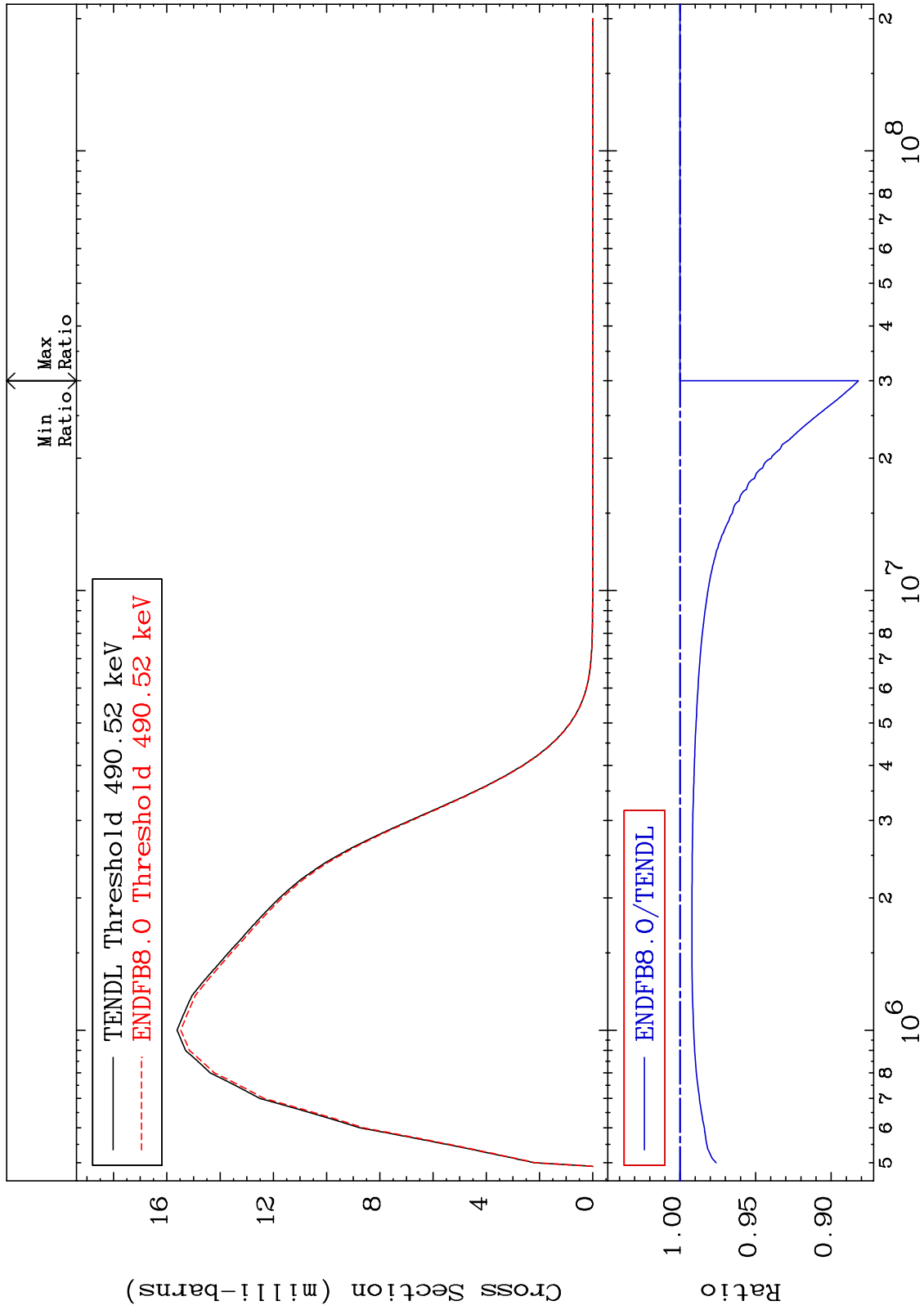
81-Tl-204
-11.80 To 0.000 %



MAT 8128

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

81-Tl-204
-11.80 To 0.000 %



30

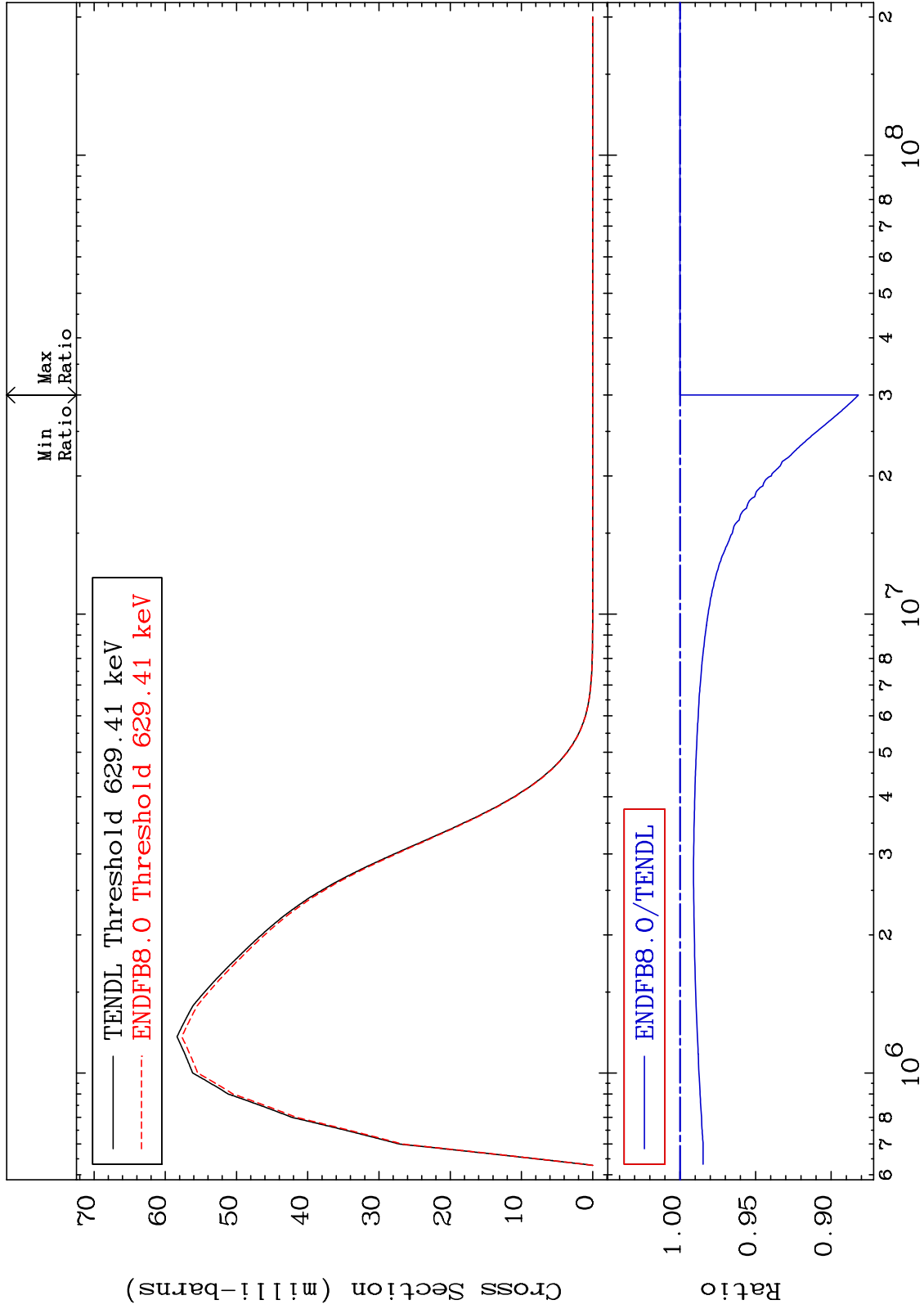
Incident Energy (eV)

81-Tl-204

MAT 8128

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

81-Tl-204
-11.80 To 0.000 %



32

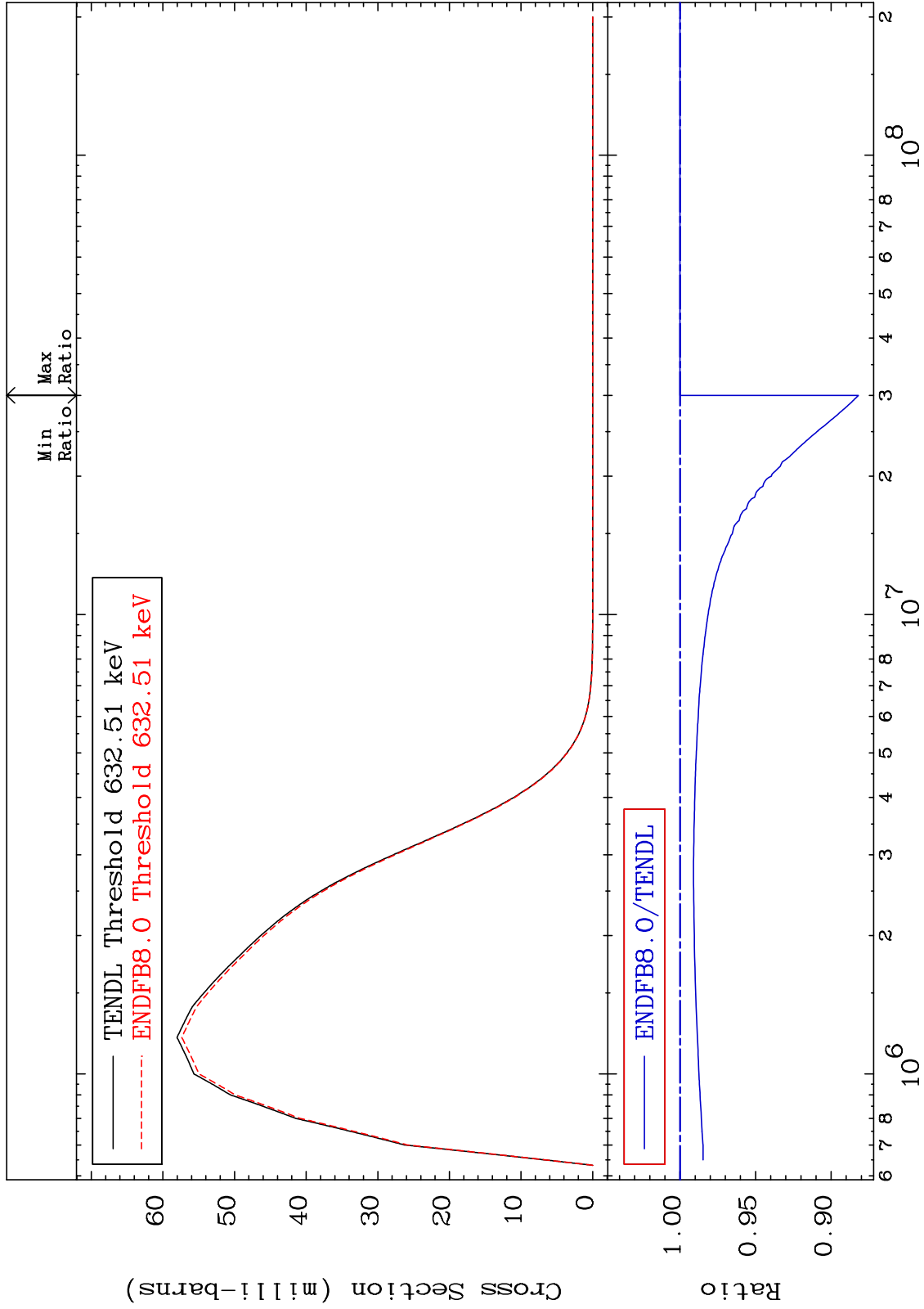
Incident Energy (eV)

81-Tl-204

MAT 8128

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

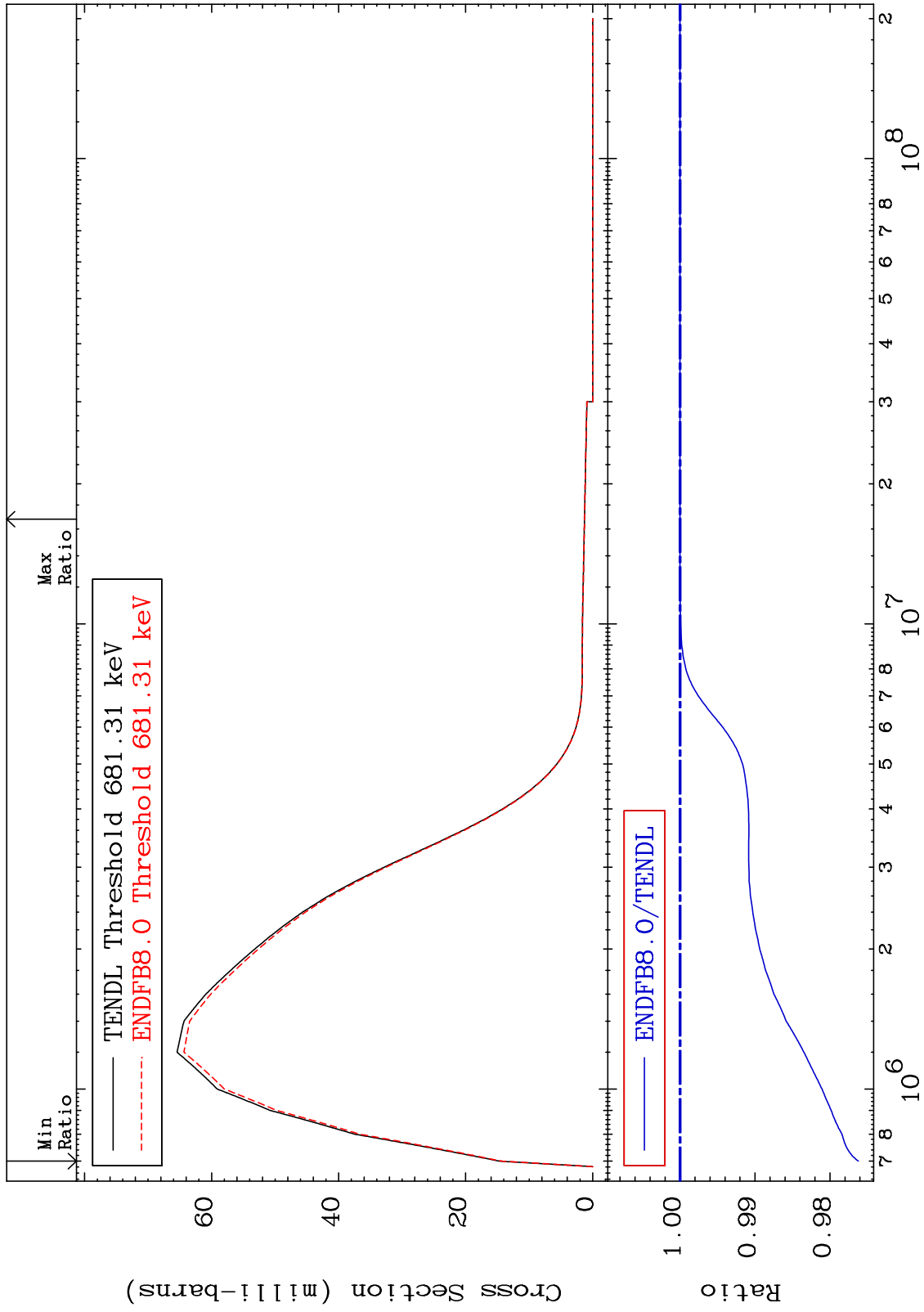
81-Tl-204
-11.80 To 0.000 %



MAT 8128

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

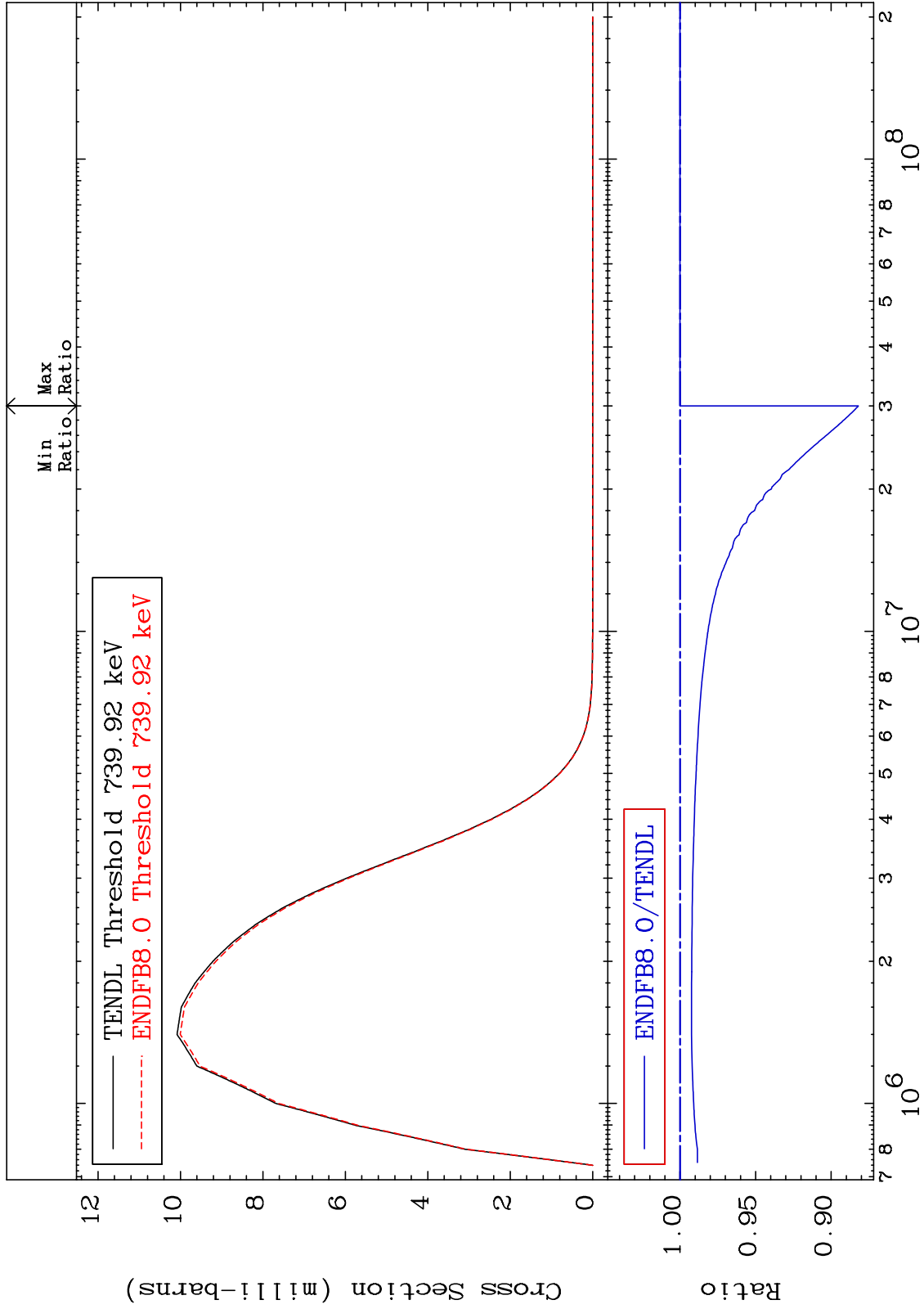
81-Tl-204
-2.379 To 0.000 %



MAT 8128

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

81-Tl-204
-11.80 To 0.000 %



35

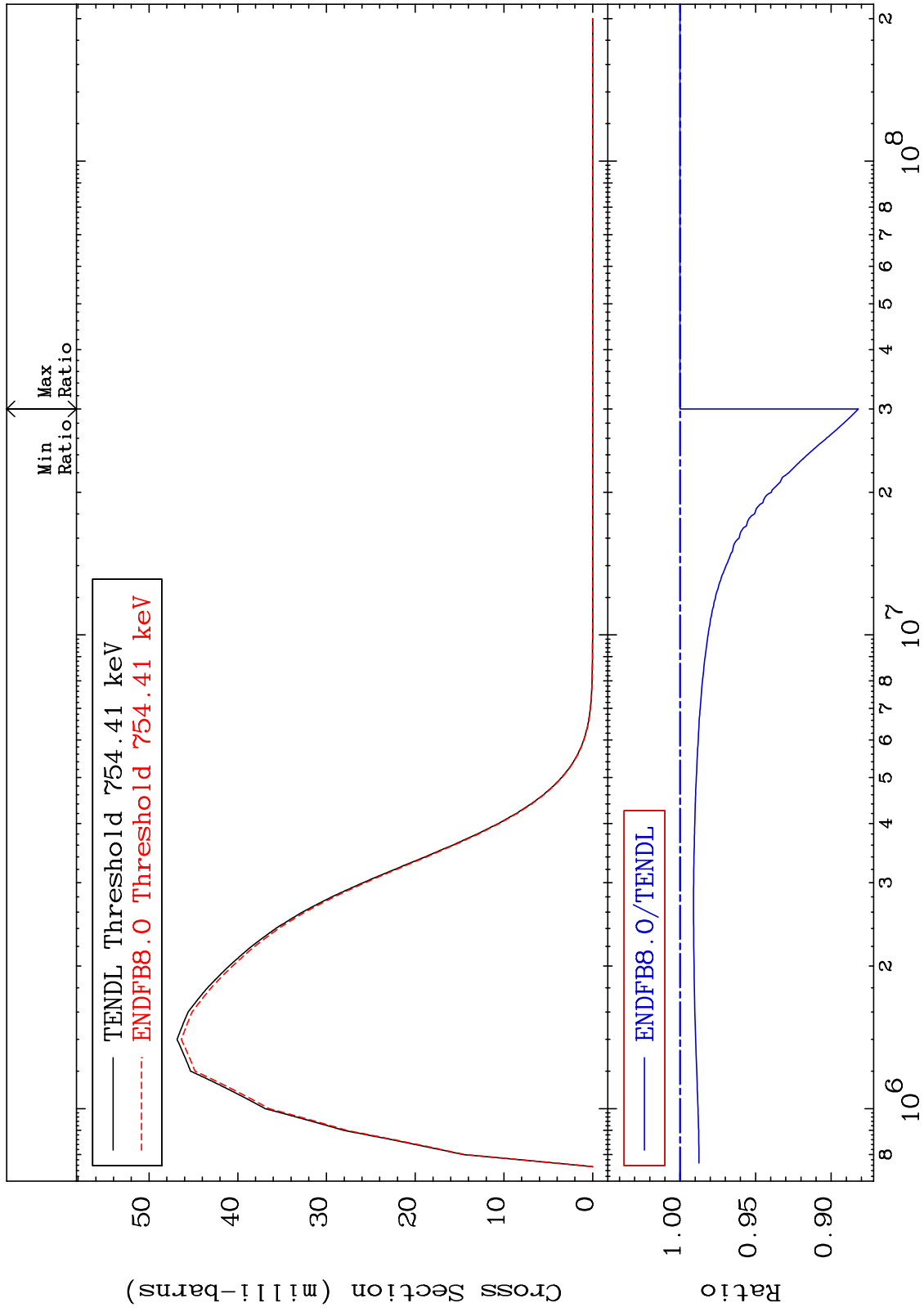
Incident Energy (eV)

81-Tl-204

MAT 8128

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

81-Tl-204
-11.80 To 0.000 %



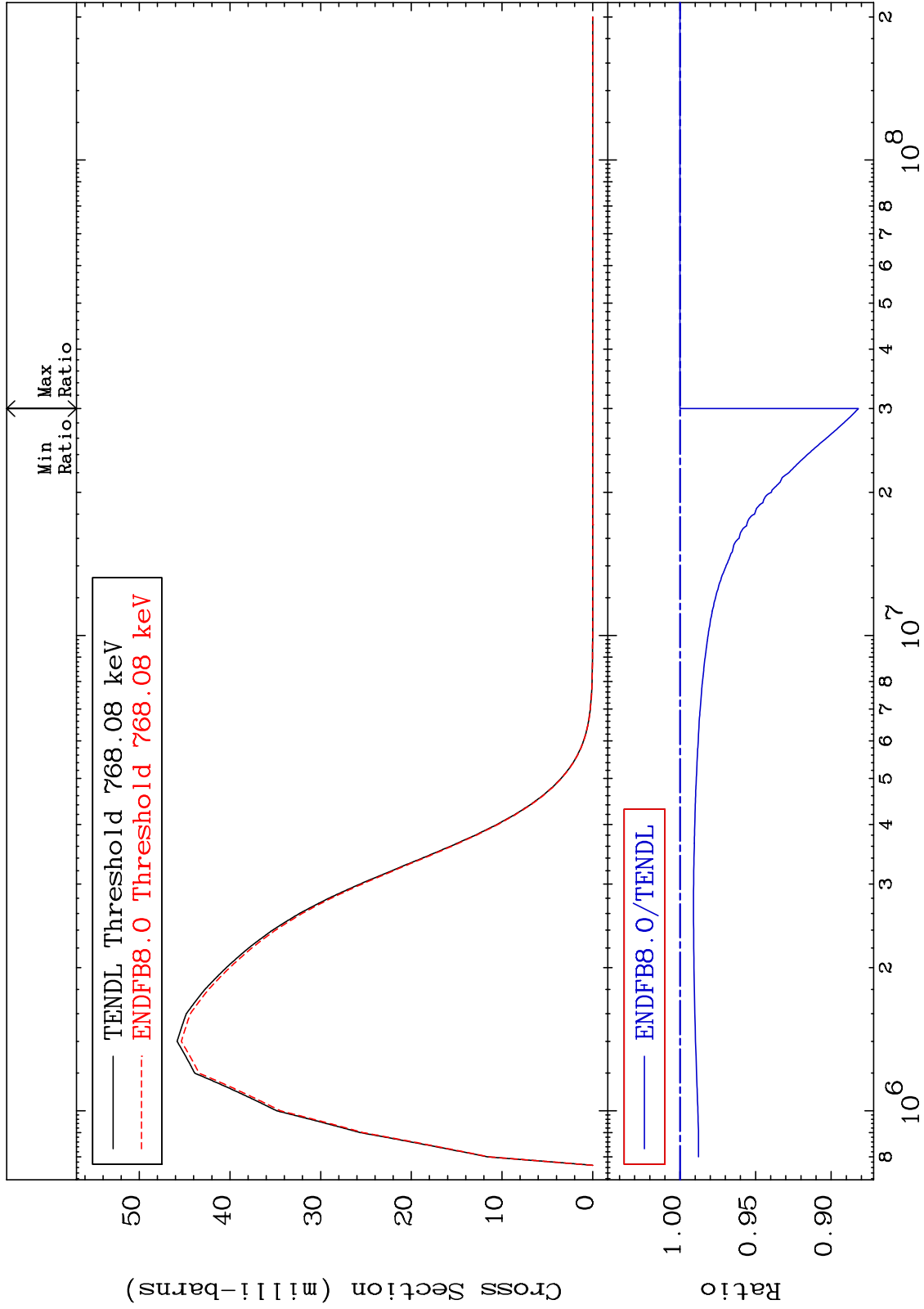
36

81-Tl-204

MAT 8128

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

81-Tl-204
-11.80 To 0.000 %



37

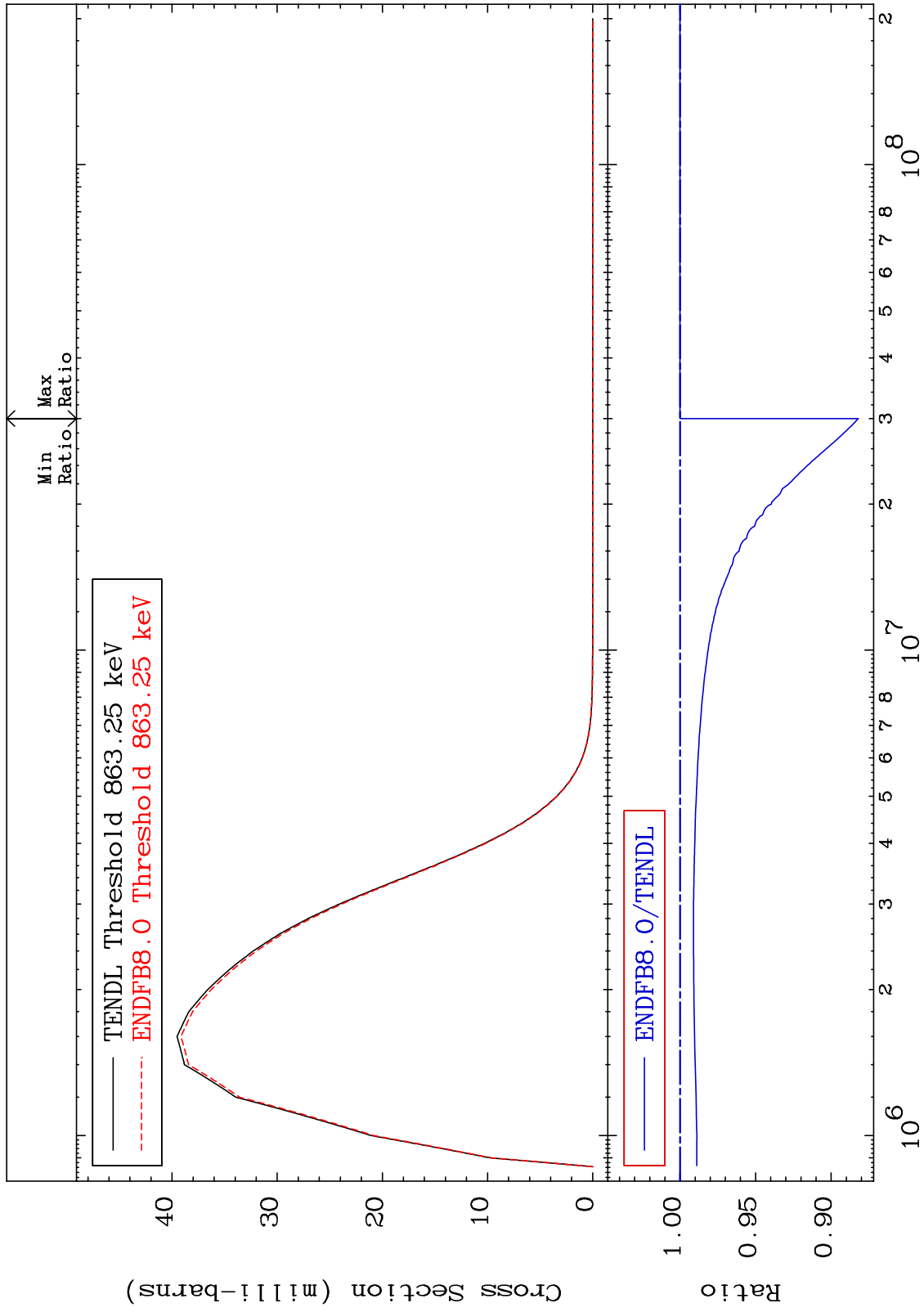
Incident Energy (eV)

81-Tl-204

MAT 8128

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

81-Tl-204
-11.80 To 0.000 %



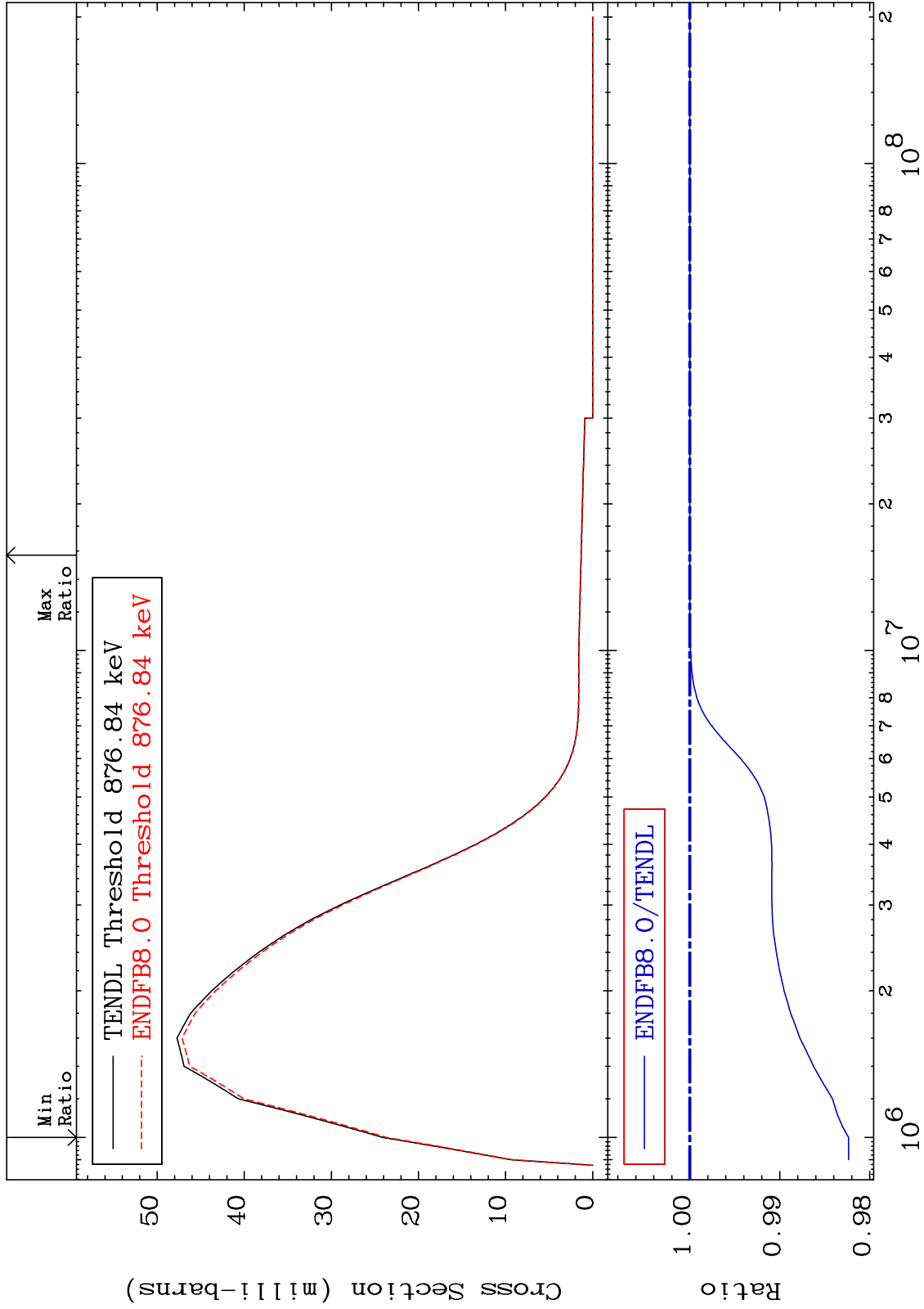
38

81-Tl-204

MAT 8128

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

81-Tl-204
-1.765 To 0.000 %



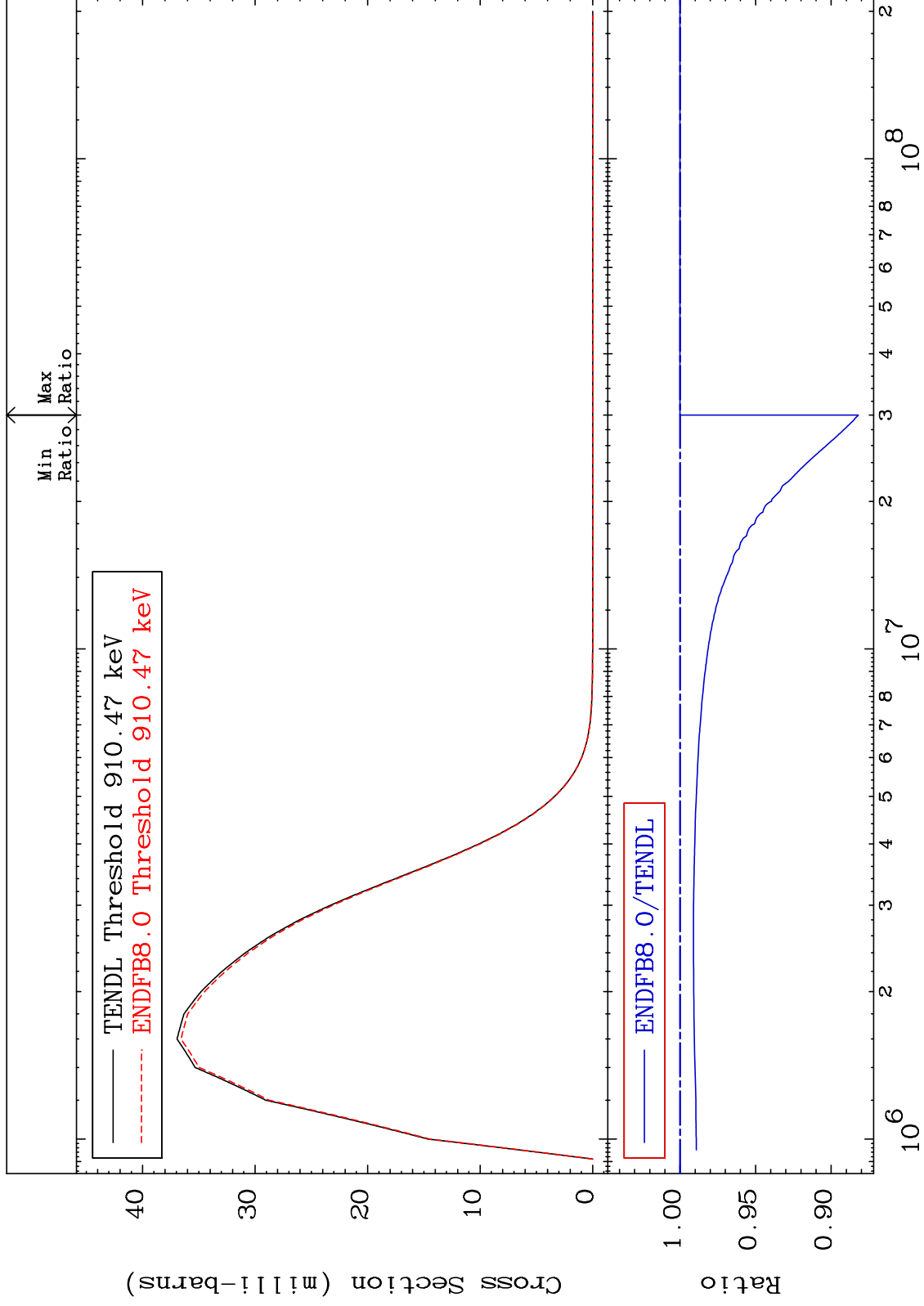
39

81-Tl-204

MAT 8128

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

81-Tl-204
-11.80 To 0.000 %



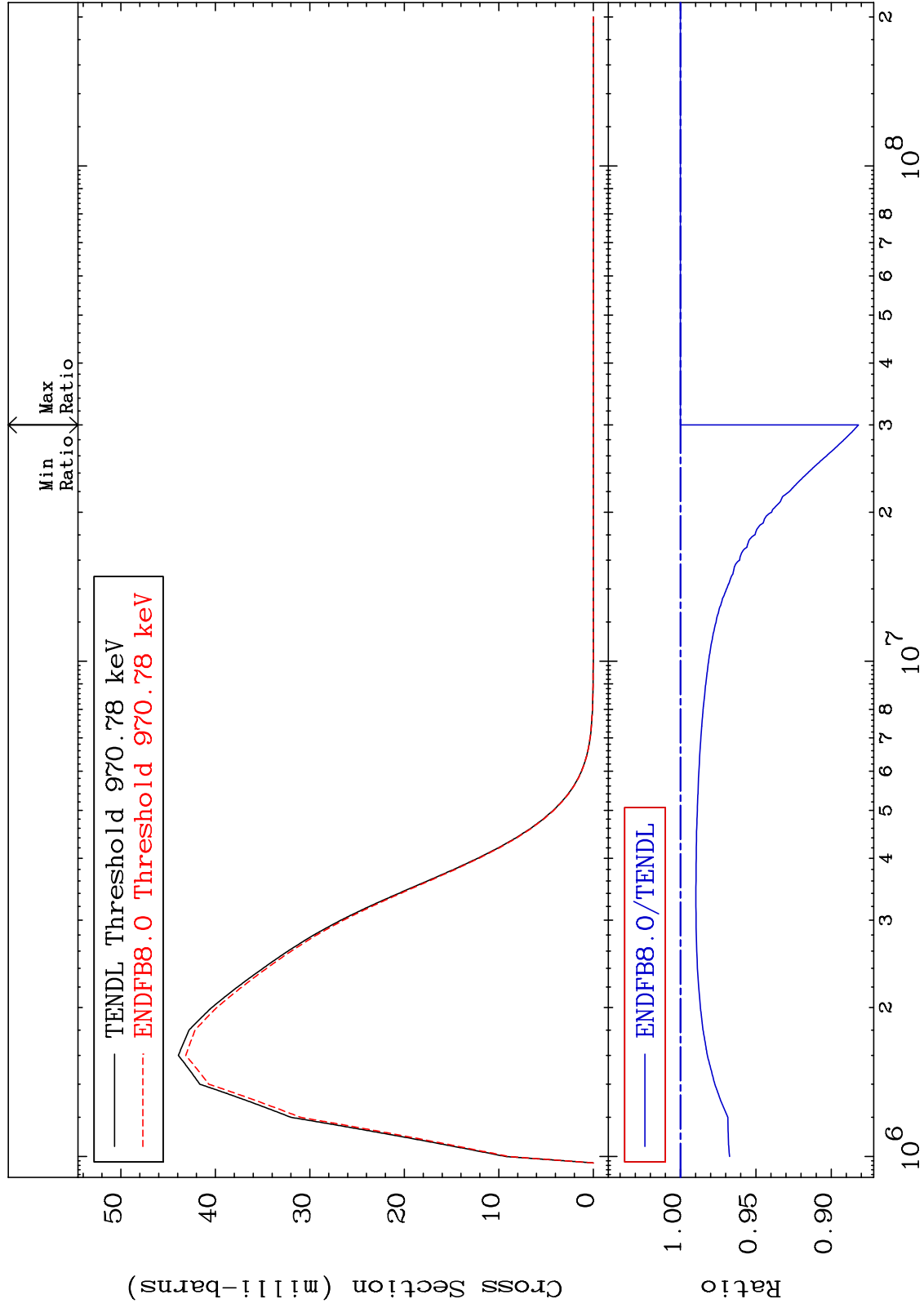
Incident Energy (eV)

81-Tl-204

MAT 8128

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

81-Tl-204
-11.81 To 0.000 %



Incident Energy (eV)

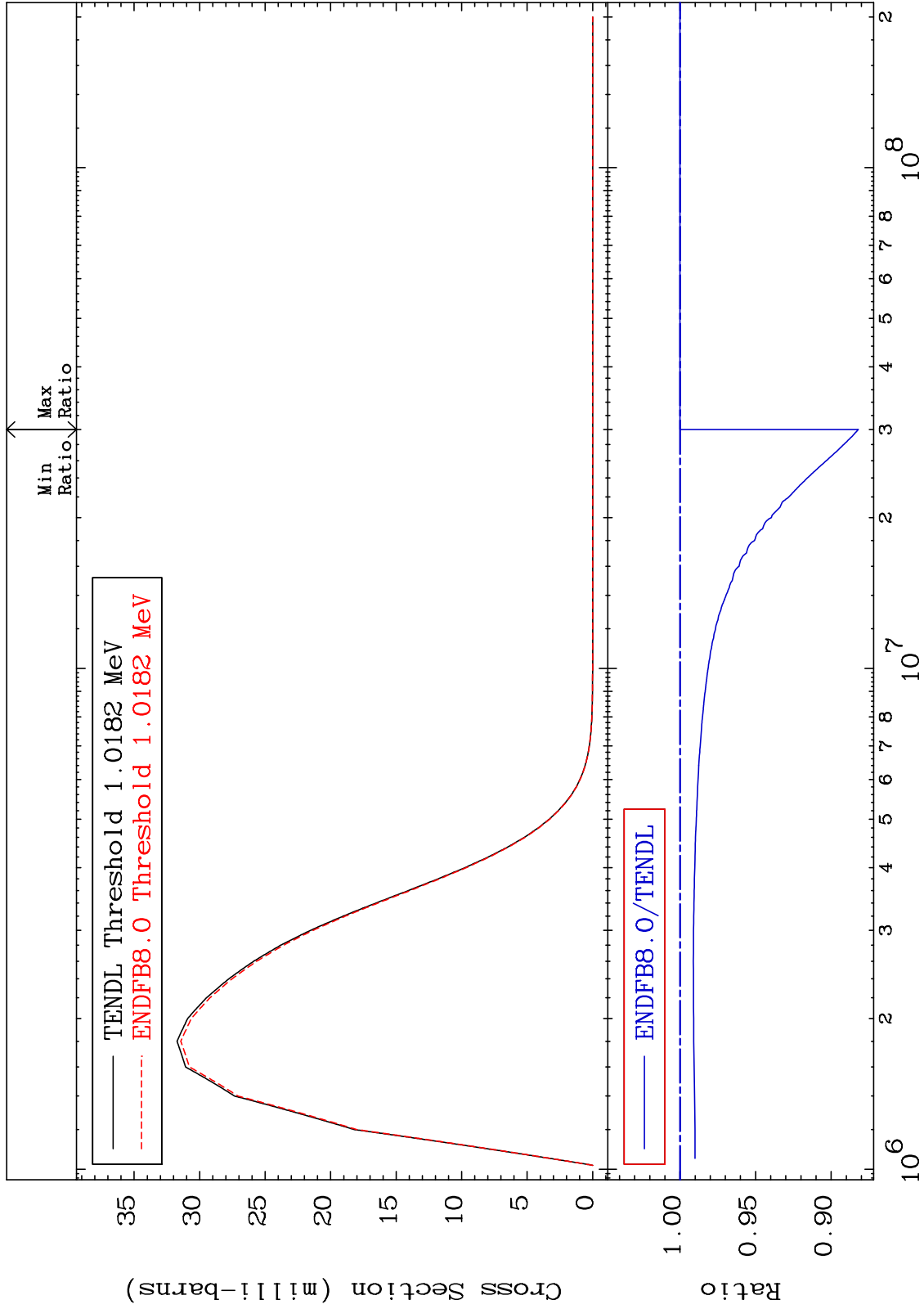
81-Tl-204

41

MAT 8128

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

81-Tl-204
-11.80 To 0.000 %



Incident Energy (eV)

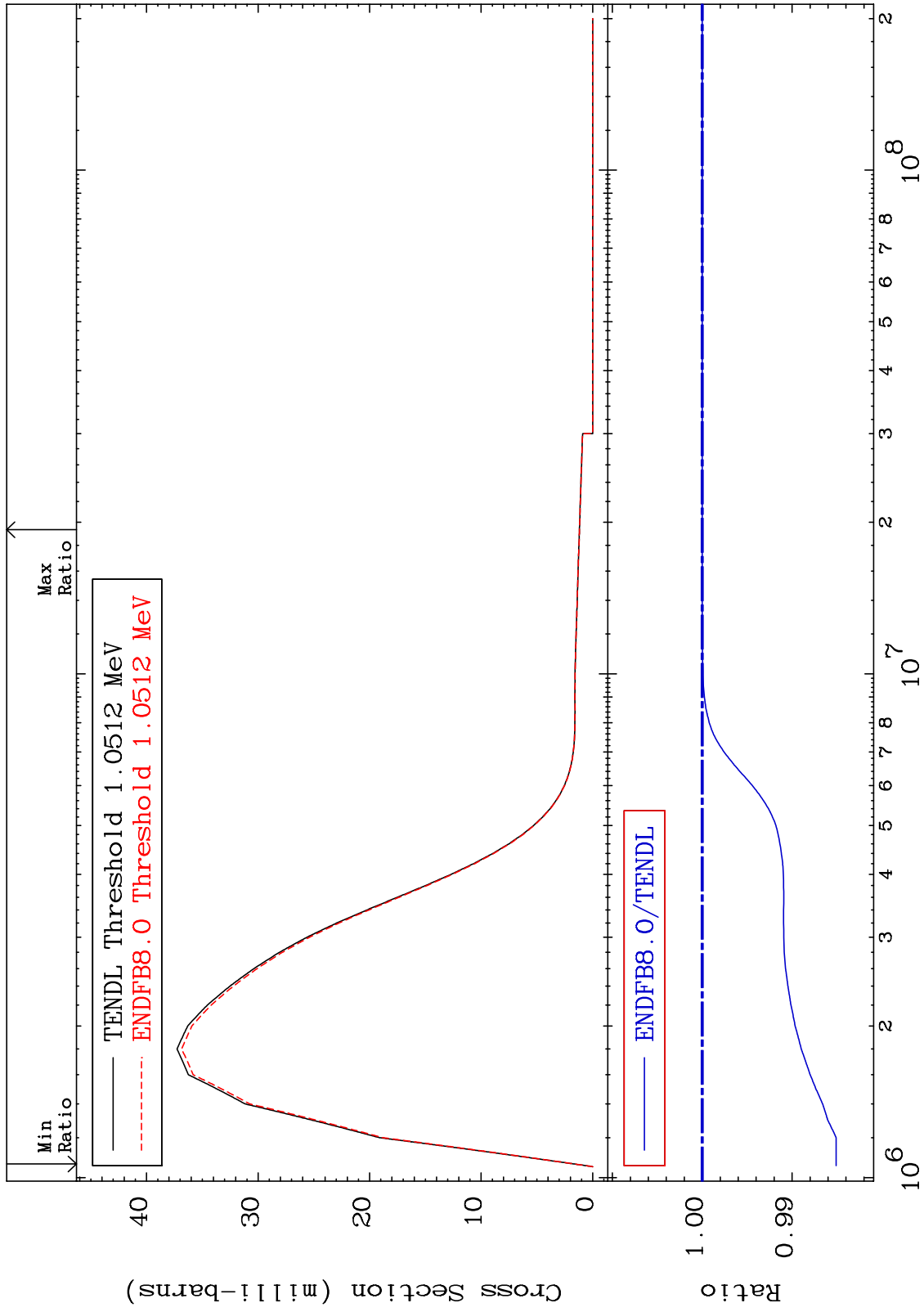
81-Tl-204

42

MAT 8128

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

81-Tl-204
-1.490 To 0.000 %



43

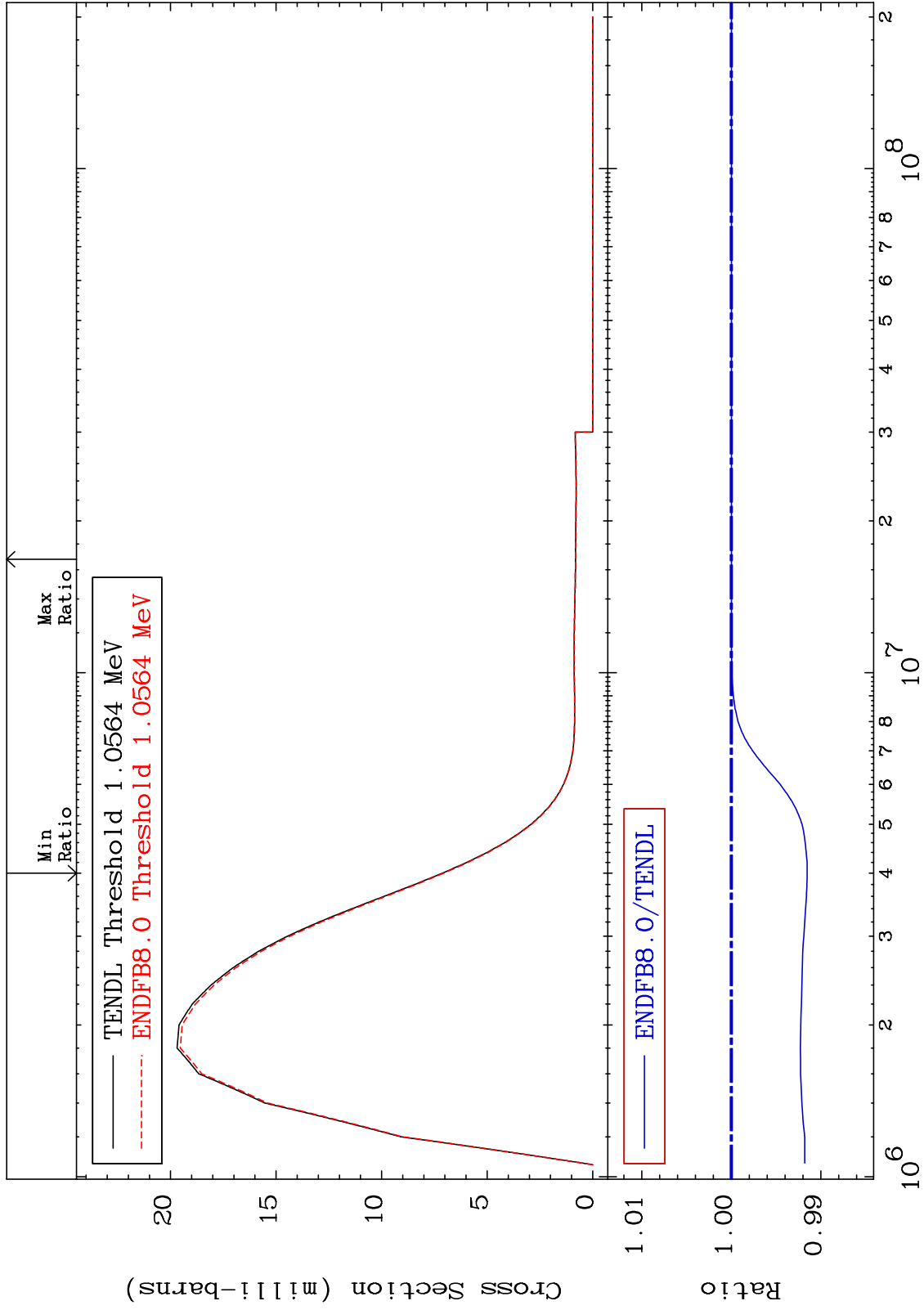
Incident Energy (eV)

81-Tl-204

MAT 8128

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

81-Tl-204
-0.846 To 0.000 %



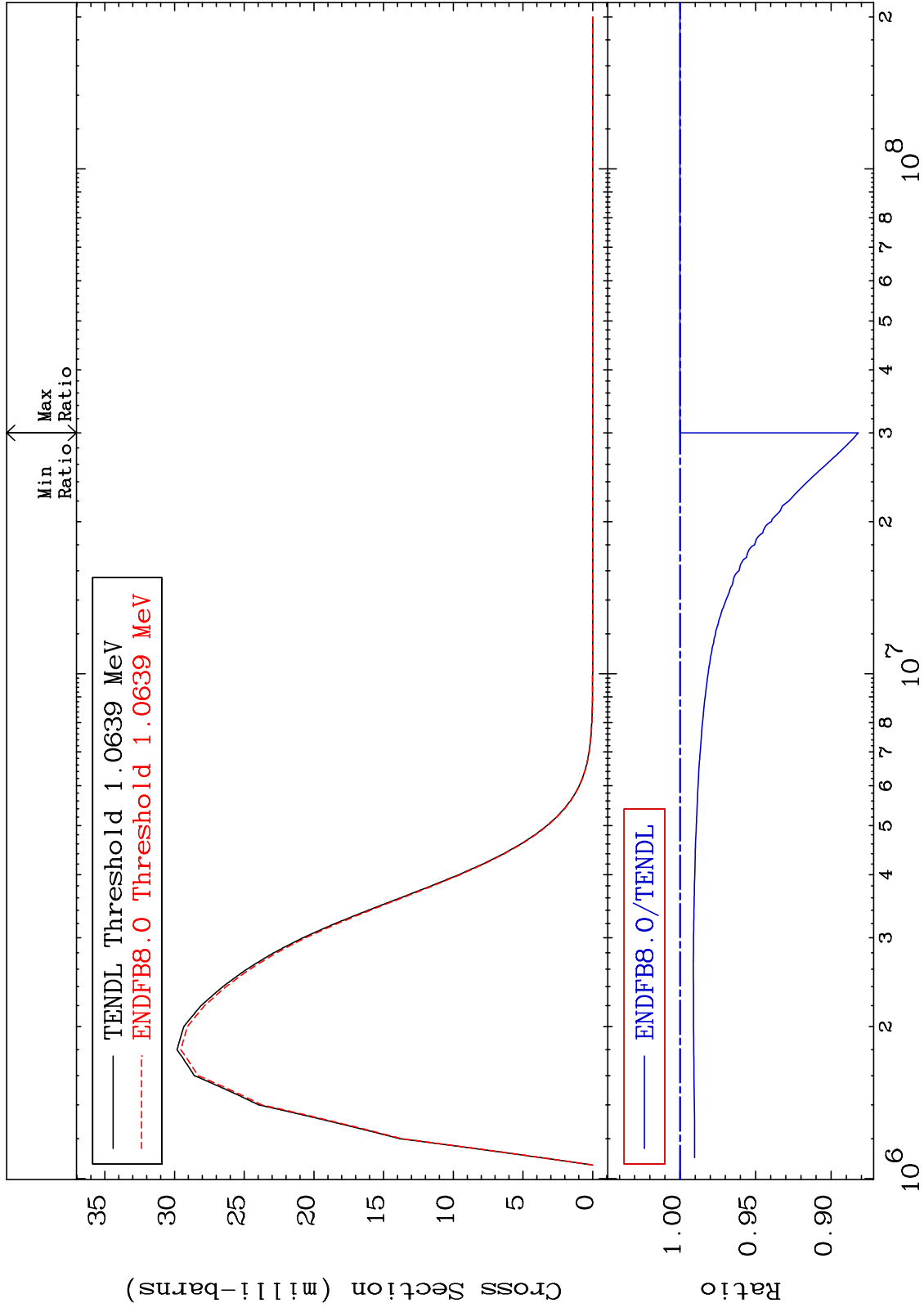
44

81-Tl-204

MAT 8128

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

81-Tl-204
-11.80 To 0.000 %



45

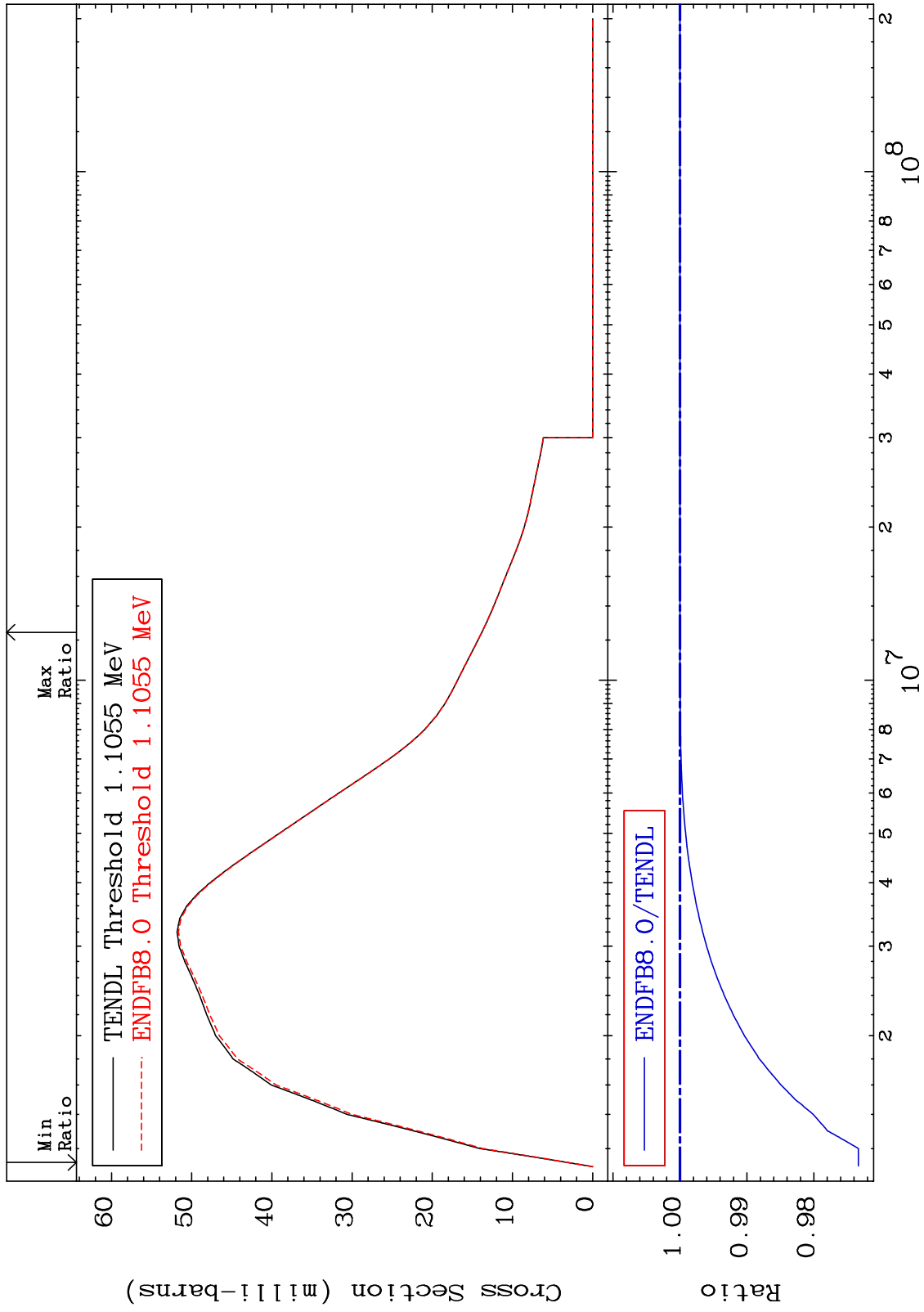
Incident Energy (eV)

81-Tl-204

MAT 8128

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

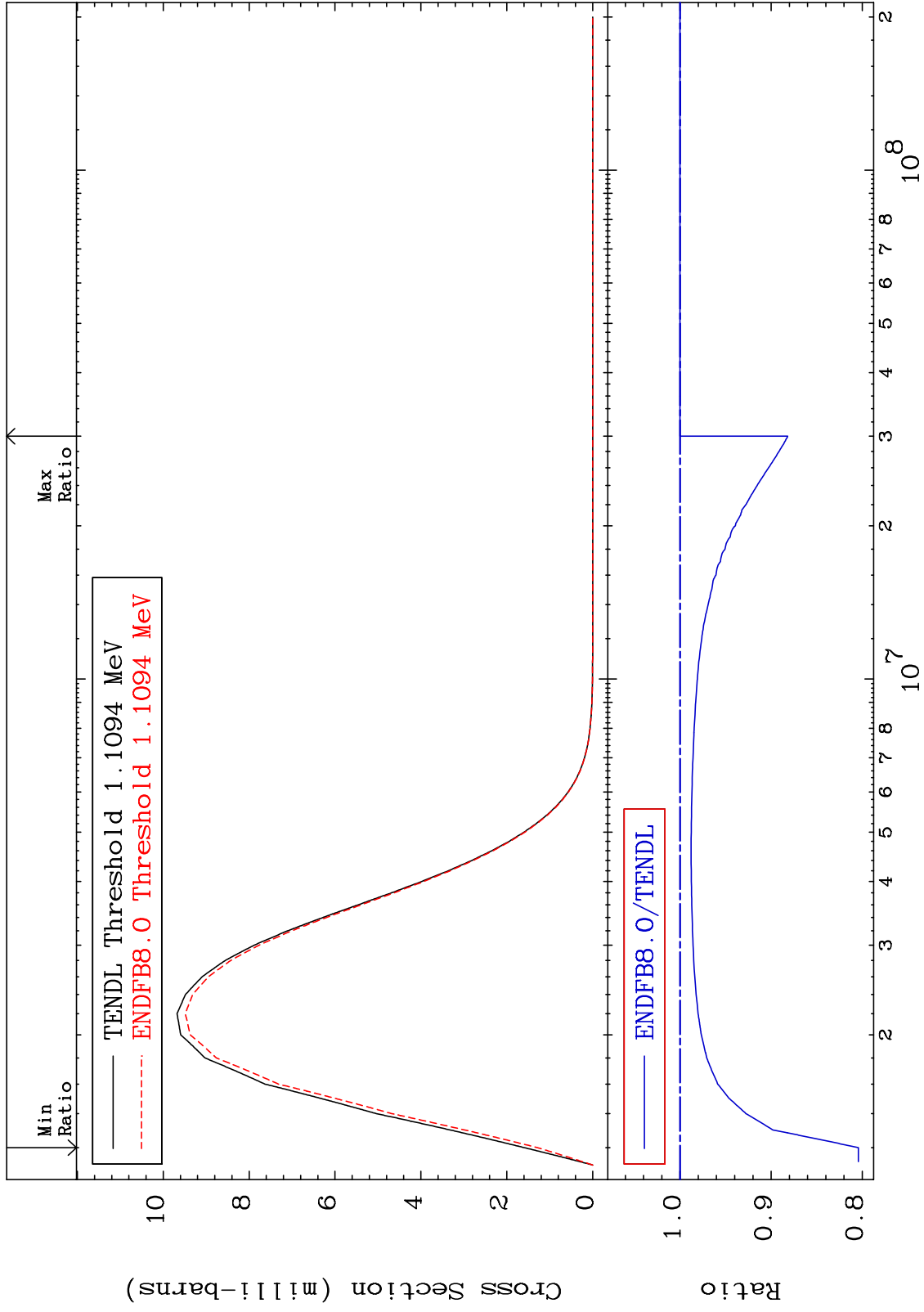
81-Tl-204
-2.665 To 0.000 %



MAT 8128

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

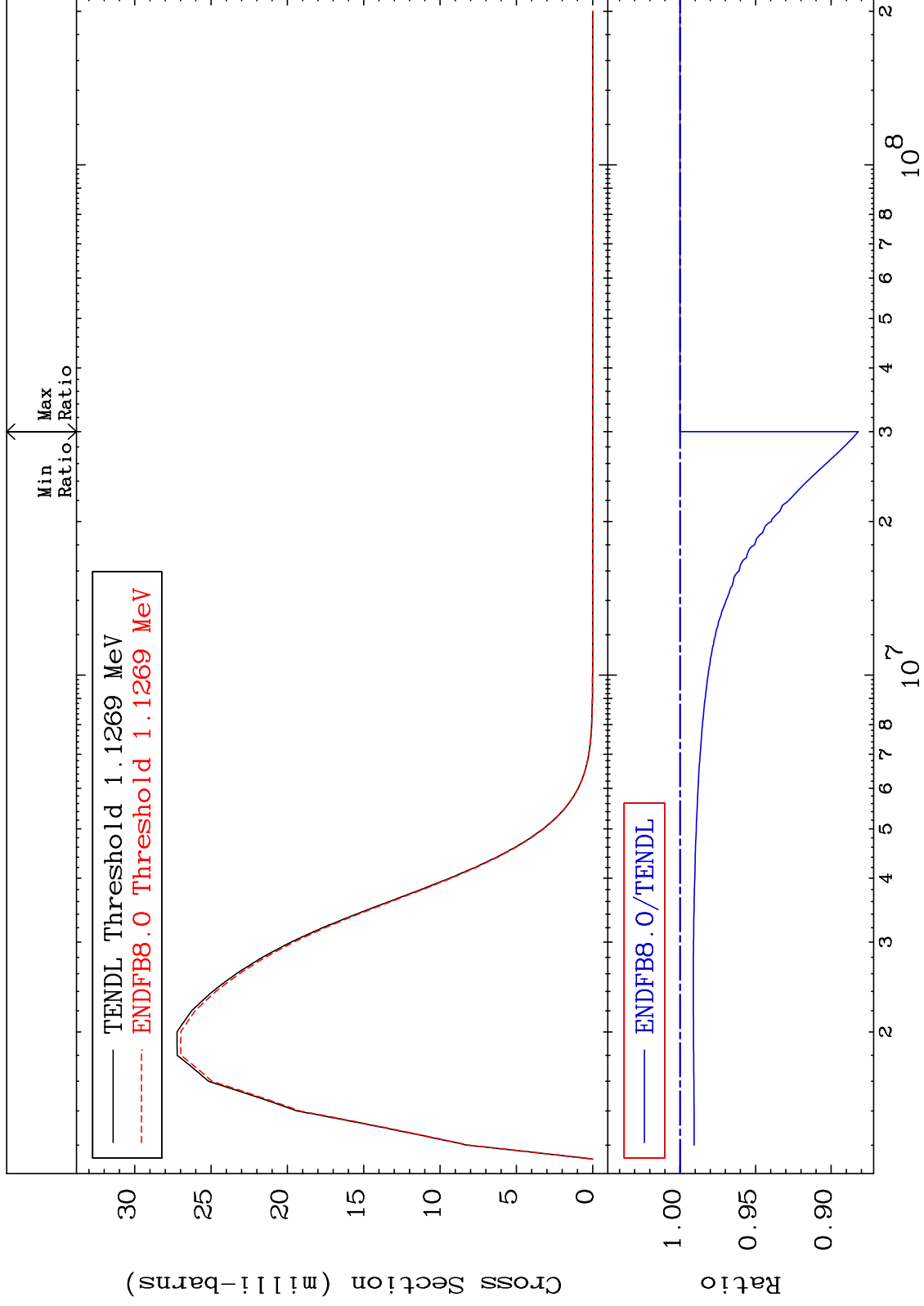
81-Tl-204
-19.58 To 0.000 %



MAT 8128

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

81-Tl-204
-11.80 To 0.000 %



48

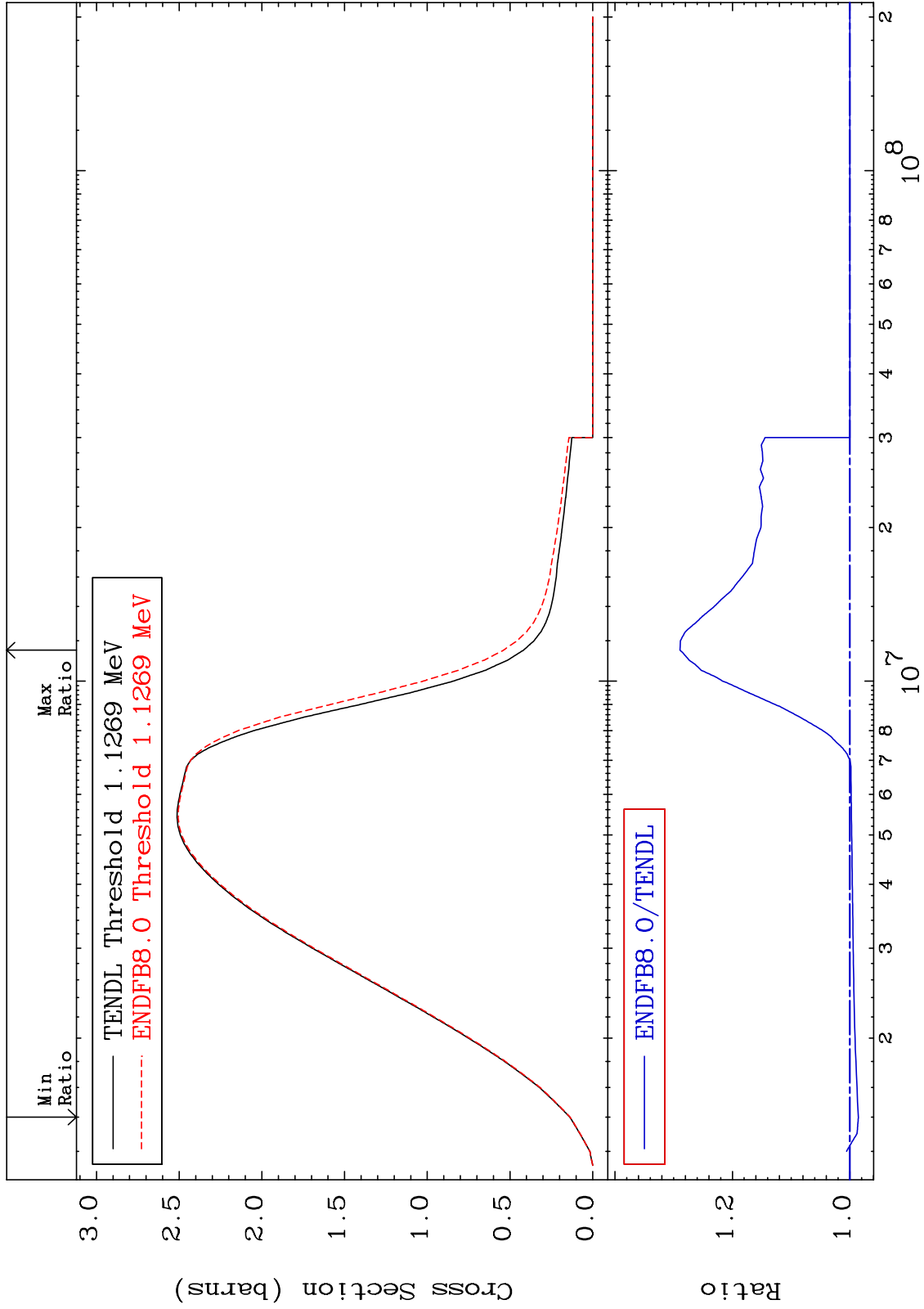
Incident Energy (eV)

81-Tl-204

MAT 8128

(n, n') Continuum
Cross Section

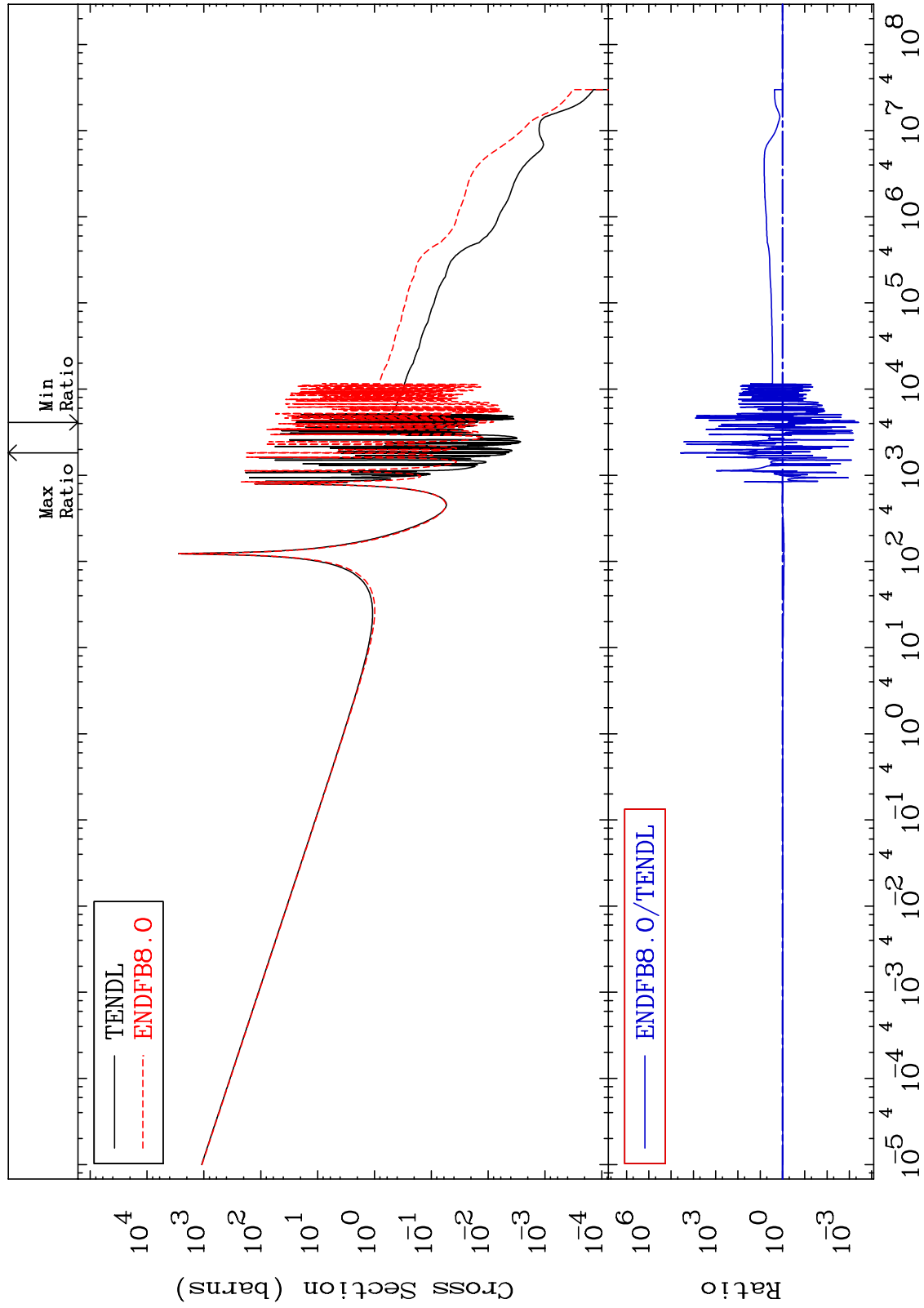
81-Tl-204
-1.453 To 28.92 %



MAT 8128

(n, γ)
Cross Section

81-Tl-204
-99.96 To 9999. %



50

Incident Energy (eV)

81-Tl-204

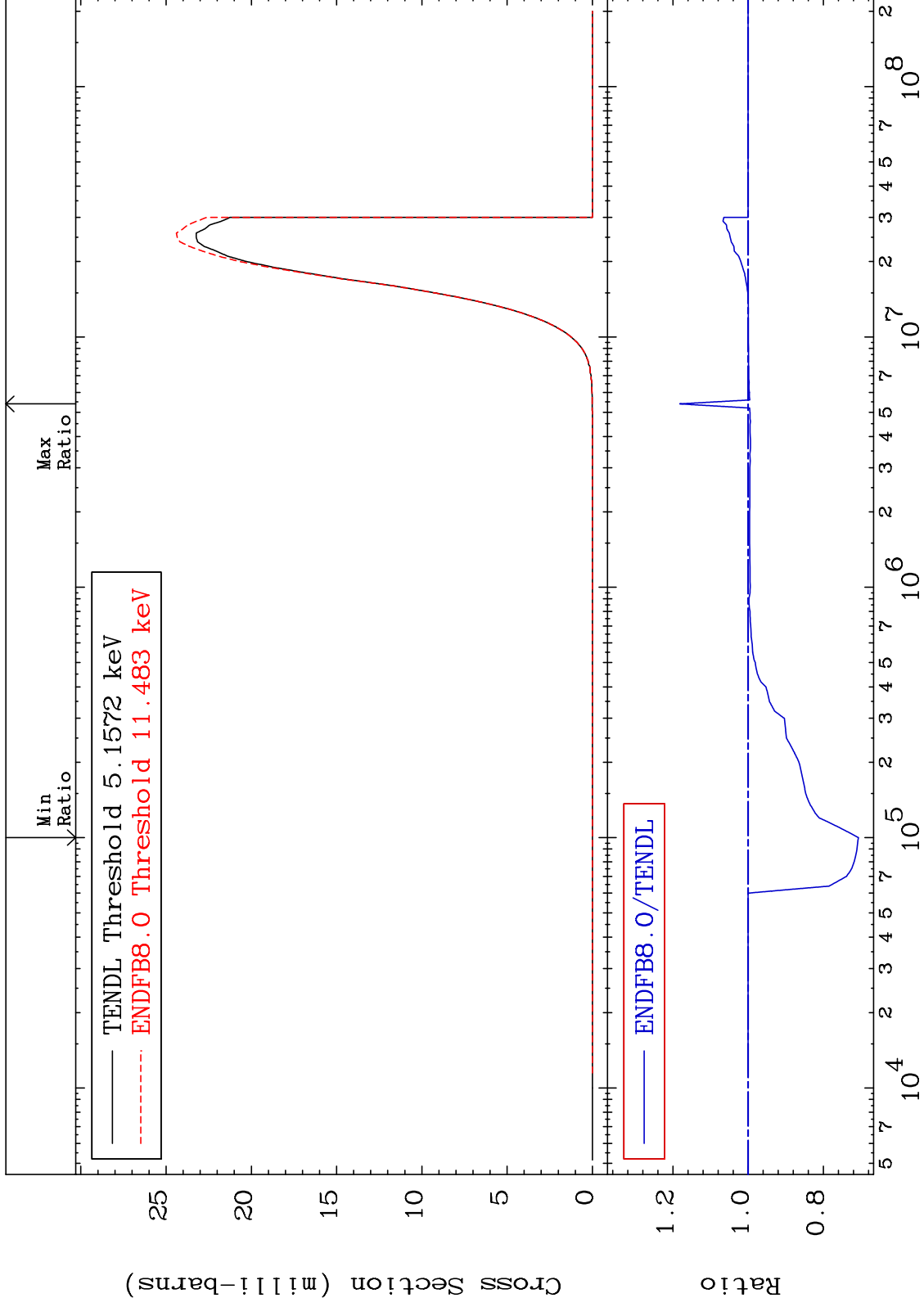
MAT 8128

(n, p)

81-Tl-204

Cross Section

-29.31 To 18.18 %



51

Incident Energy (eV)

81-Tl-204

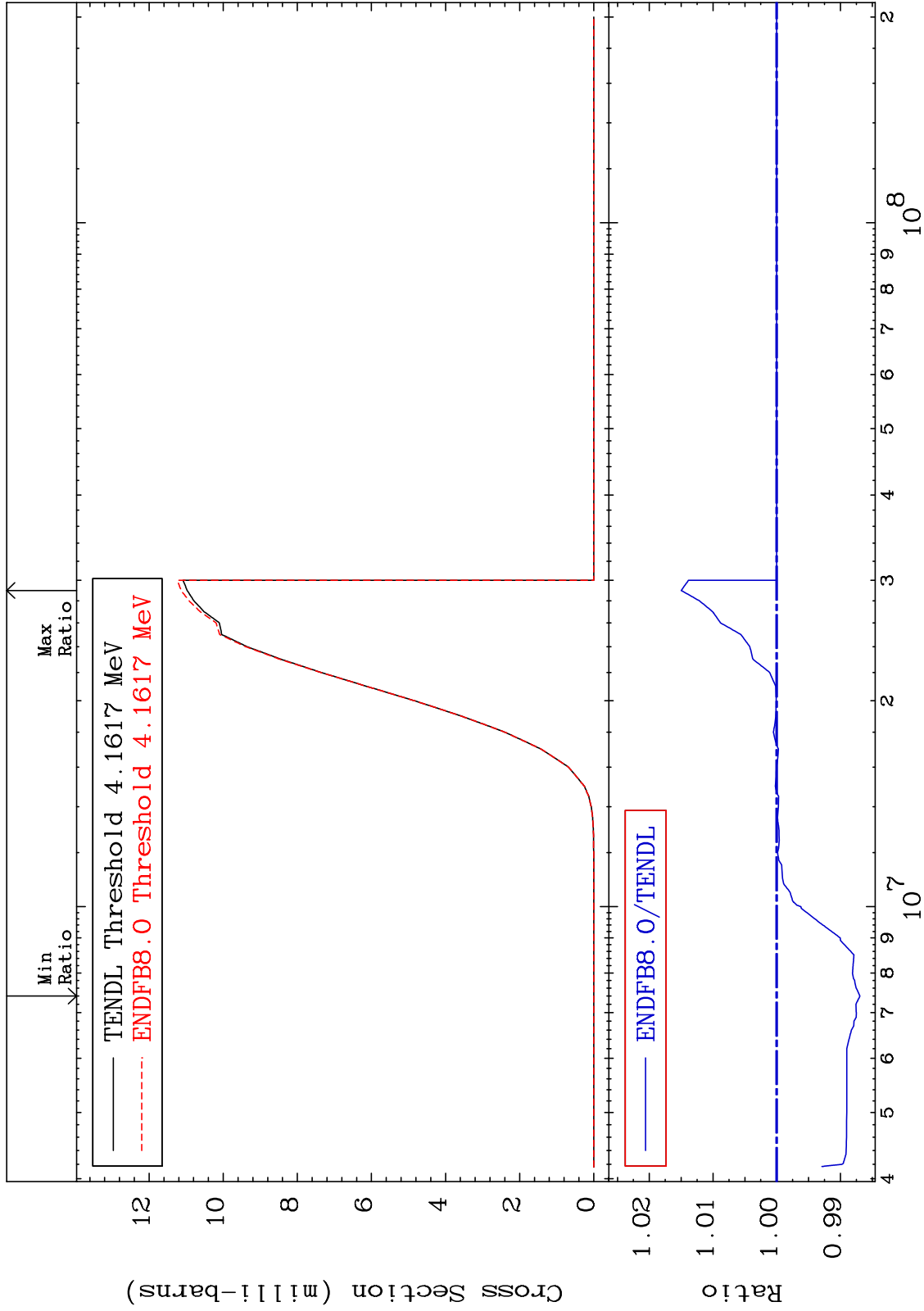
MAT 8128

(n, d)

81-Tl-204

Cross Section

-1.307 To 1.499 %



Incident Energy (eV)

81-Tl-204

52

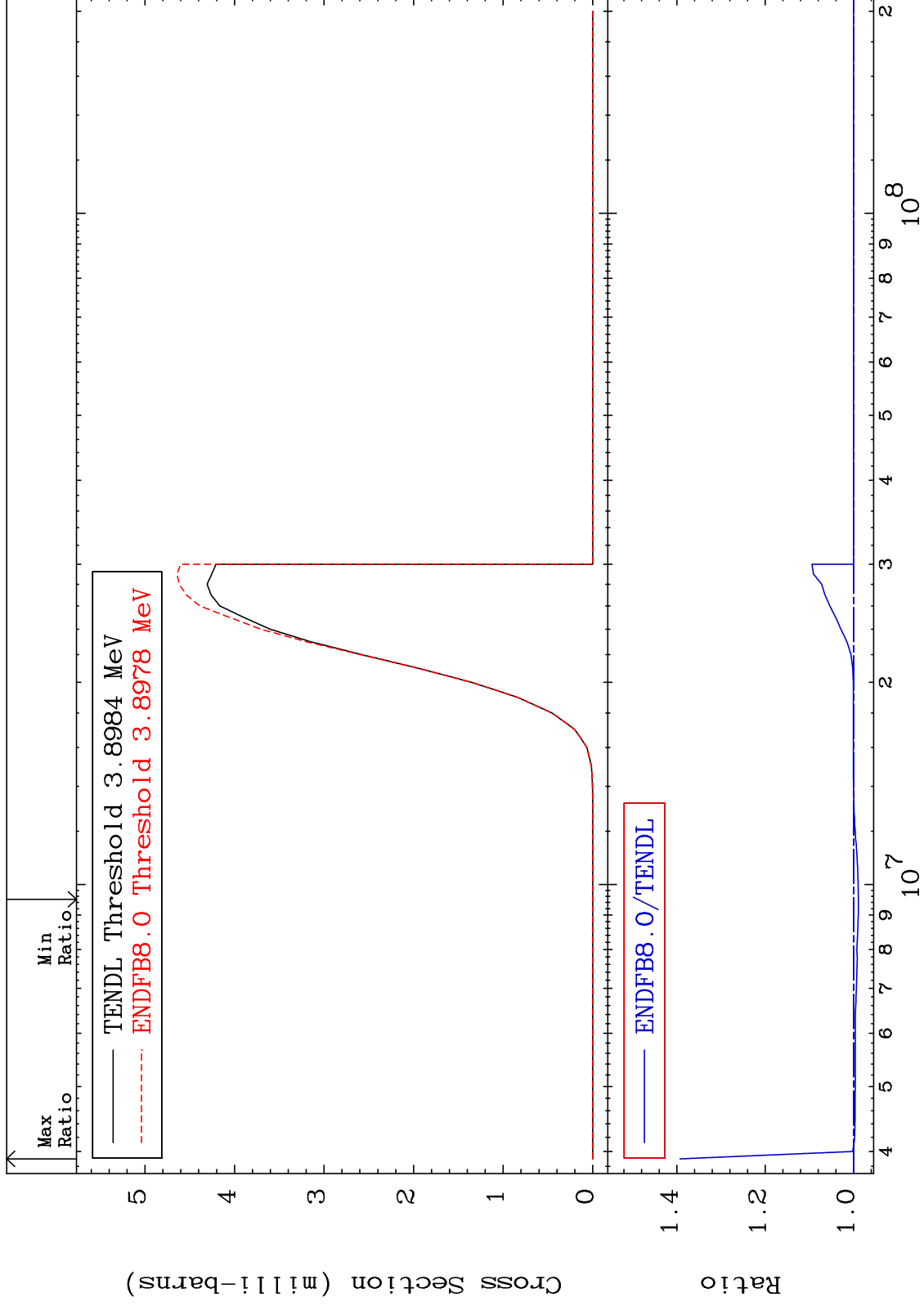
MAT 8128

(n, t)

81-Tl-204

Cross Section

-1.094 To 39.31 %



53

Incident Energy (eV)

81-Tl-204

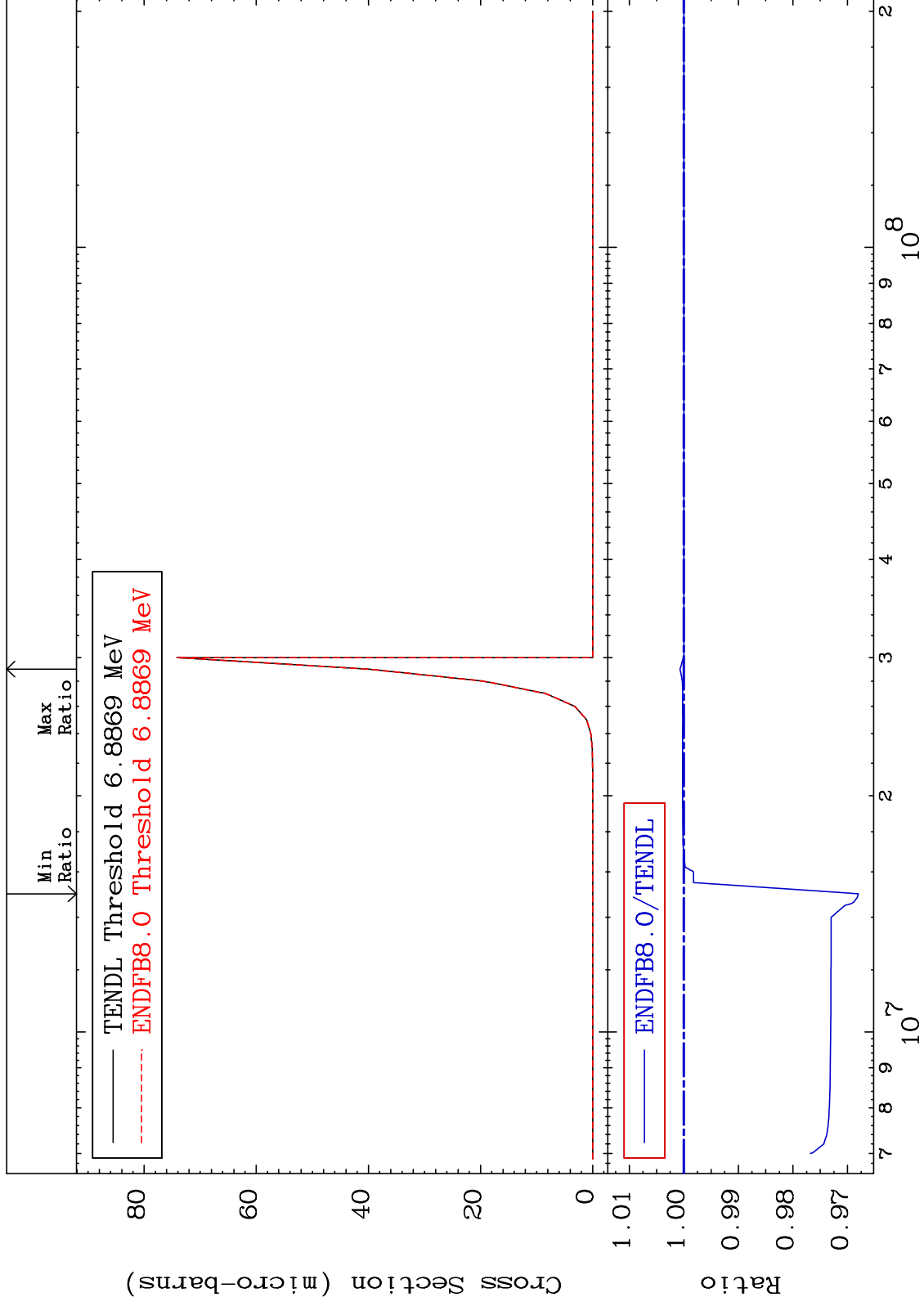
MAT 8128

(n, He-3)

81-Tl-204

Cross Section

-3.200 To 0.070 %

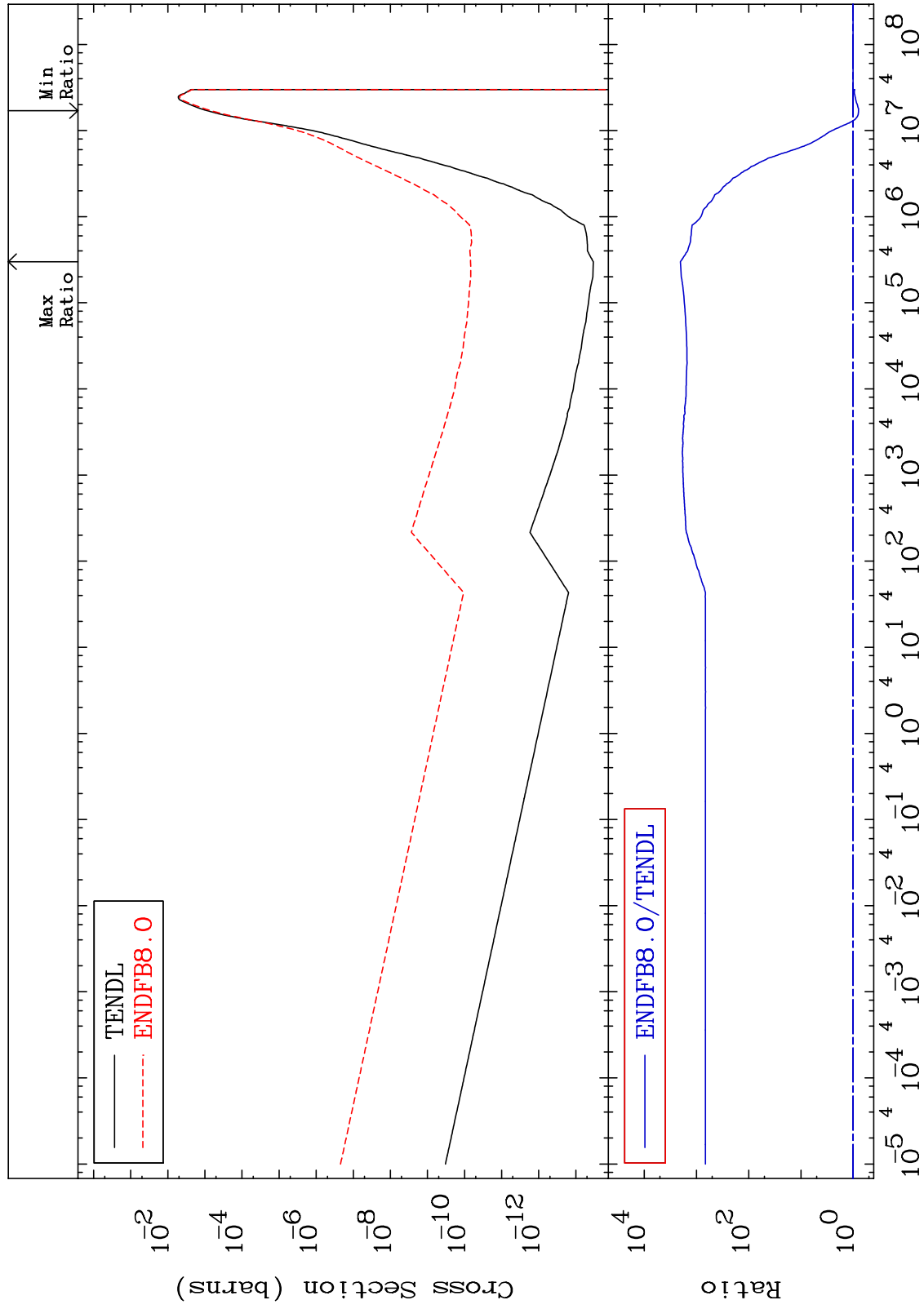


MAT 8128

(n, α)

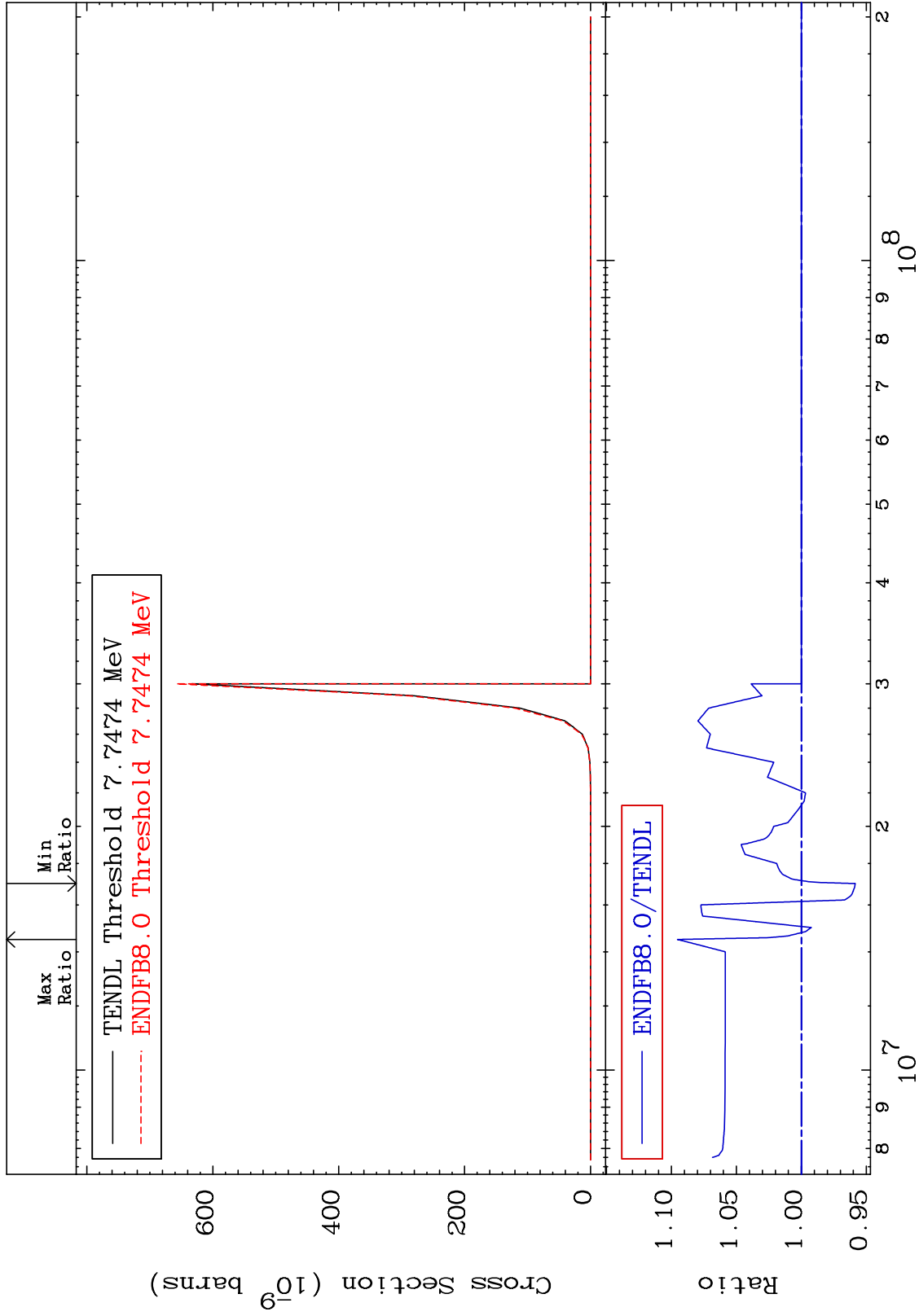
81-T1-204
-21.16 To 9999. %

Cross Section



Cross Section

-4.148 To 9.531 %

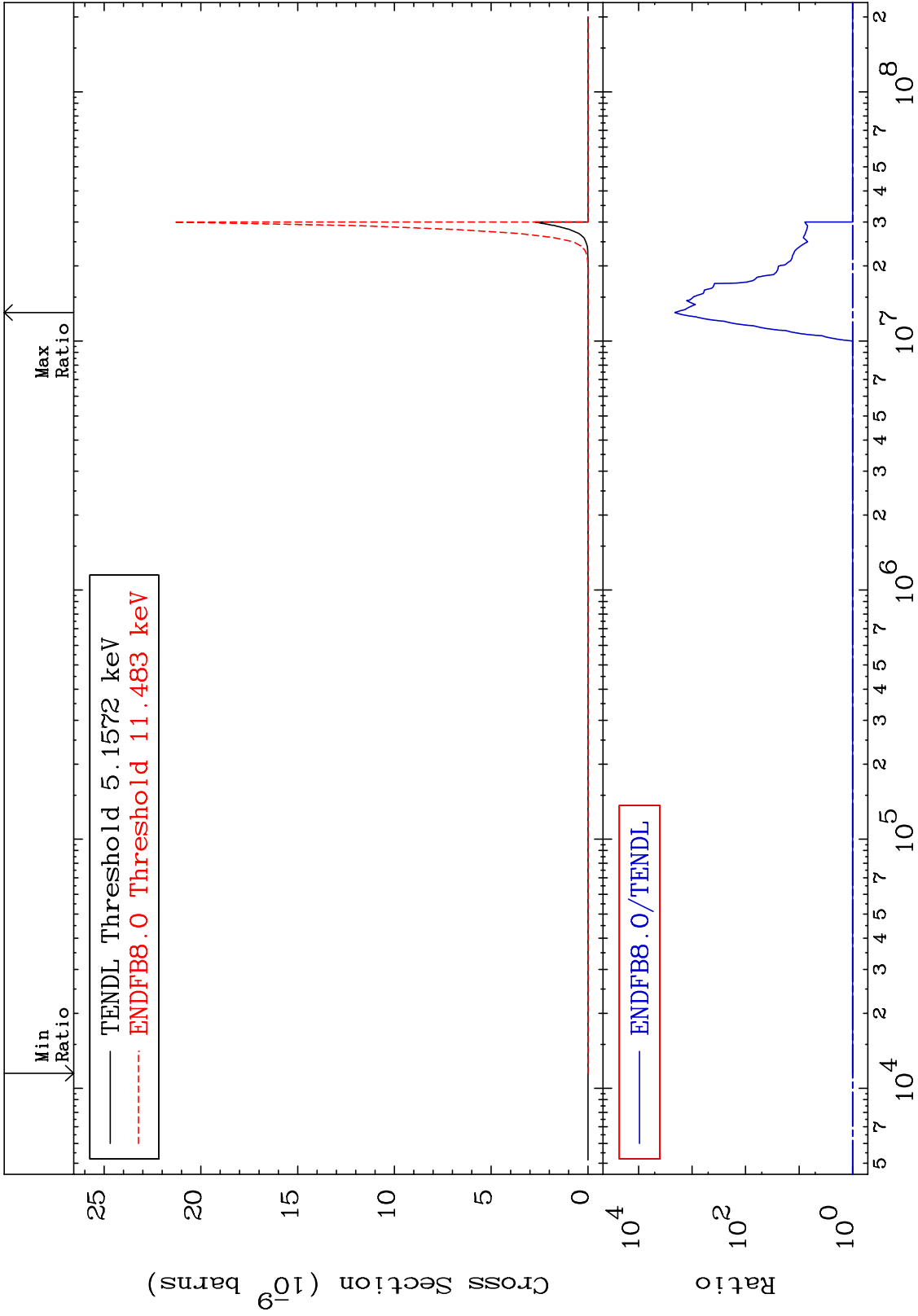


MAT 8128

(n,p) α

81-Tl-204
To 9999. %
0.000

Cross Section



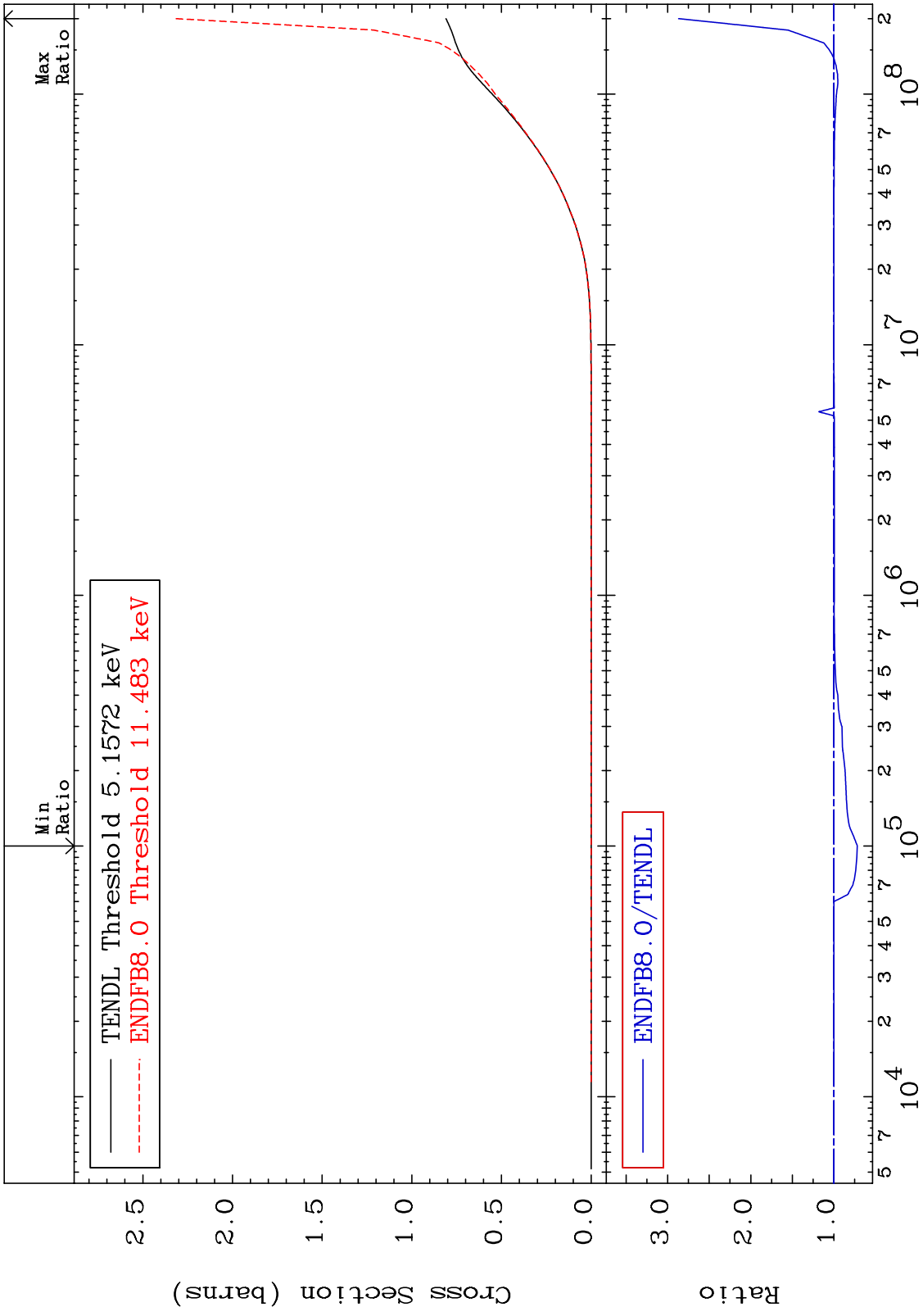
57

81-Tl-204

MAT 8128

Hydrogen Production
Cross Section

81-T1-204
-28.18 To 186.8 %



58

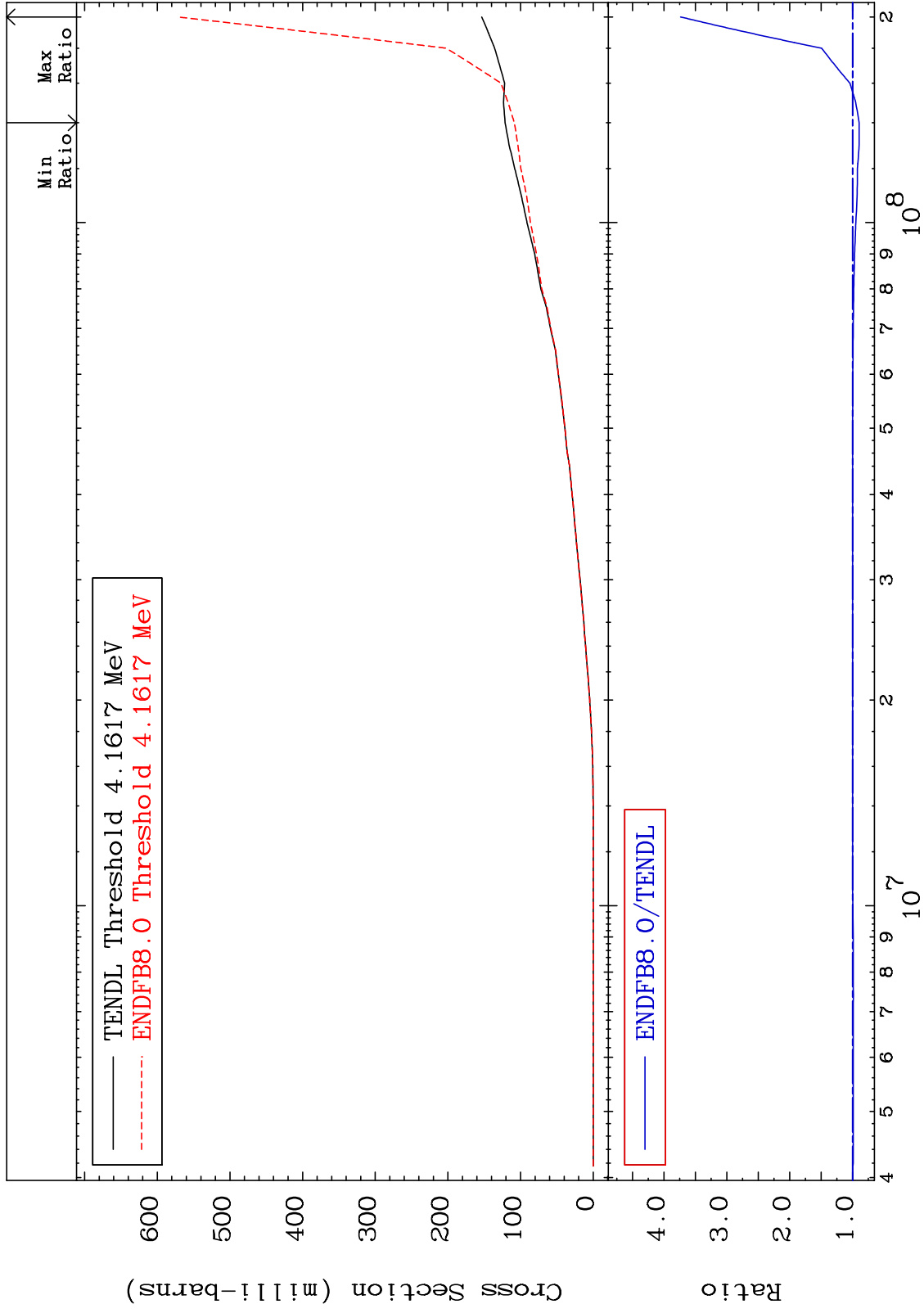
Incident Energy (eV)

81-T1-204

MAT 8128

Deuterium Production
Cross Section

81-Tl-204
-10.53 To 273.4 %



59

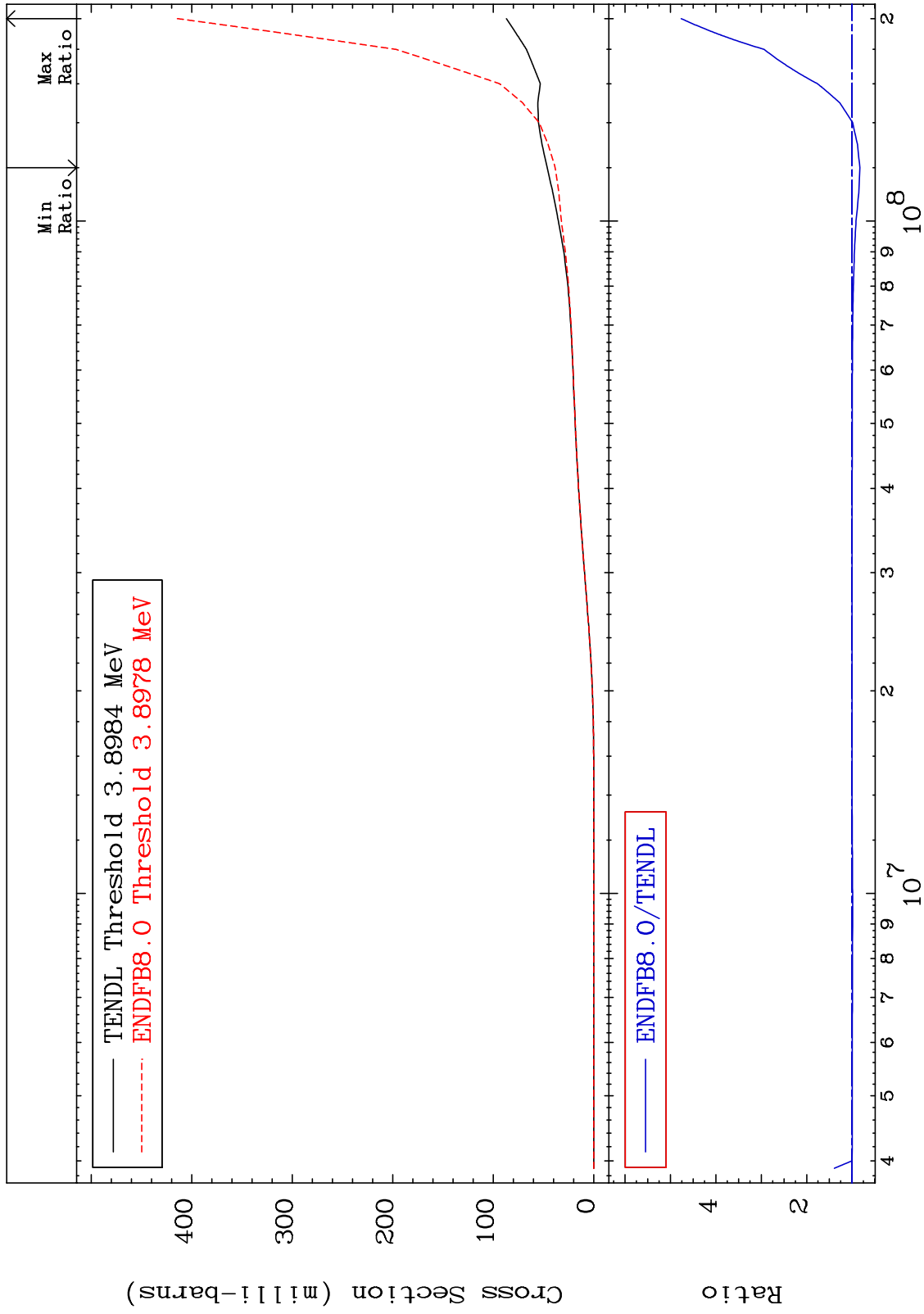
Incident Energy (eV)

81-Tl-204

MAT 8128

Tritium Production
Cross Section

81-Tl-204
-17.23 To 376.2 %



60

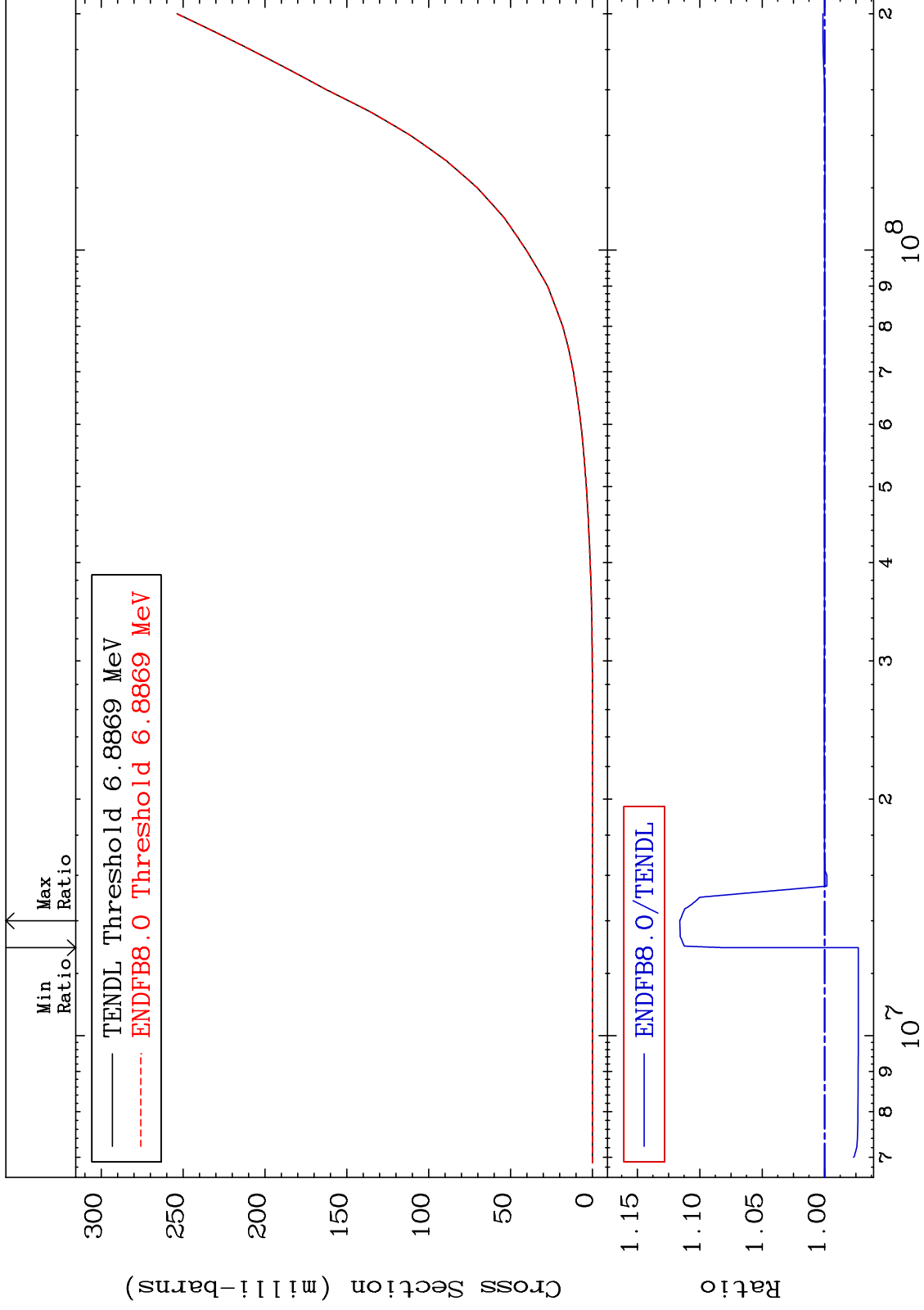
Incident Energy (eV)

81-Tl-204

MAT 8128

He-3 Production
Cross Section

81-T1-204
-2.699 To 11.60 %



61

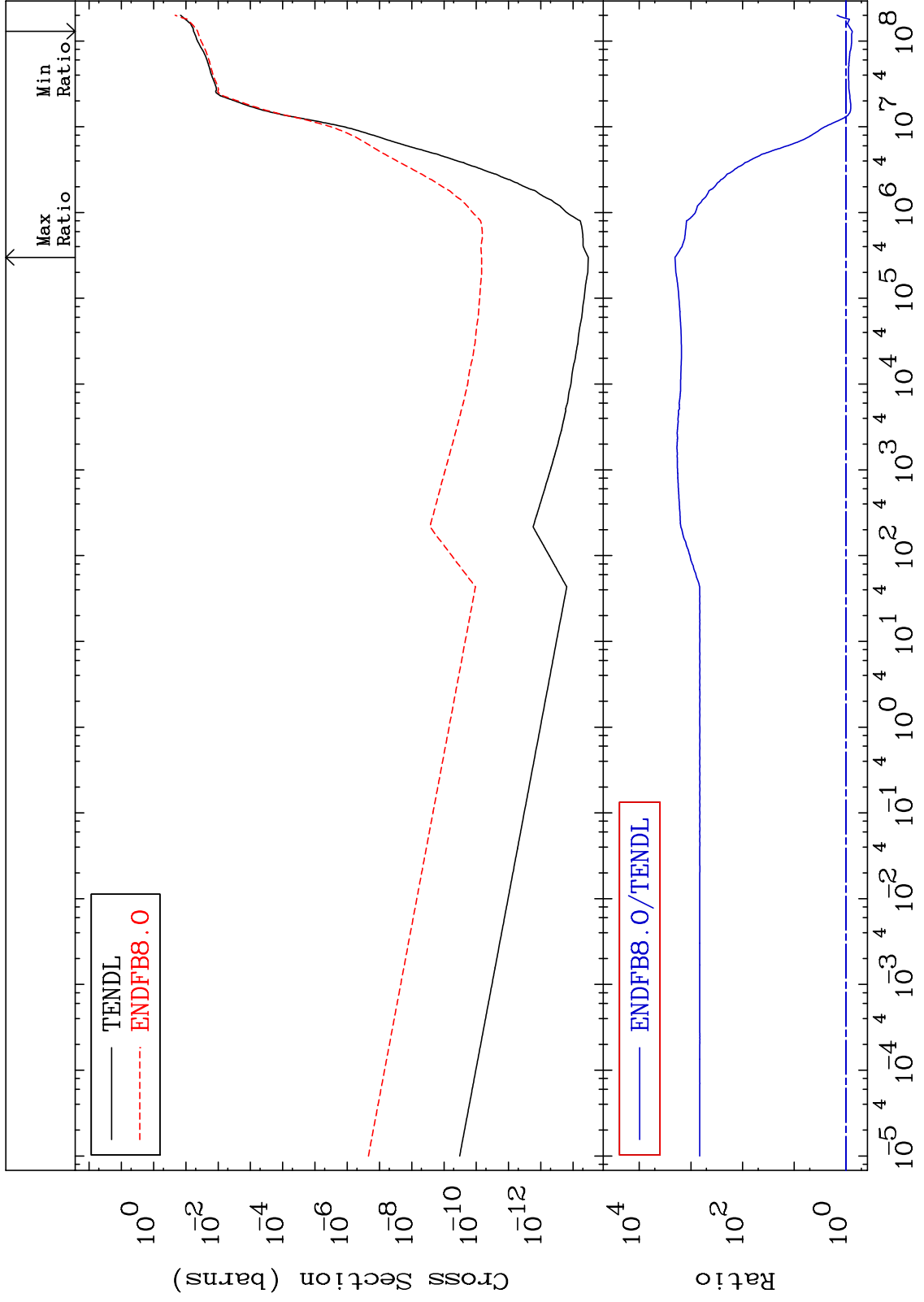
Incident Energy (eV)

81-T1-204

MAT 8128

He-4 Production
Cross Section

81-T1-204
-24.80 To 9999. %



62

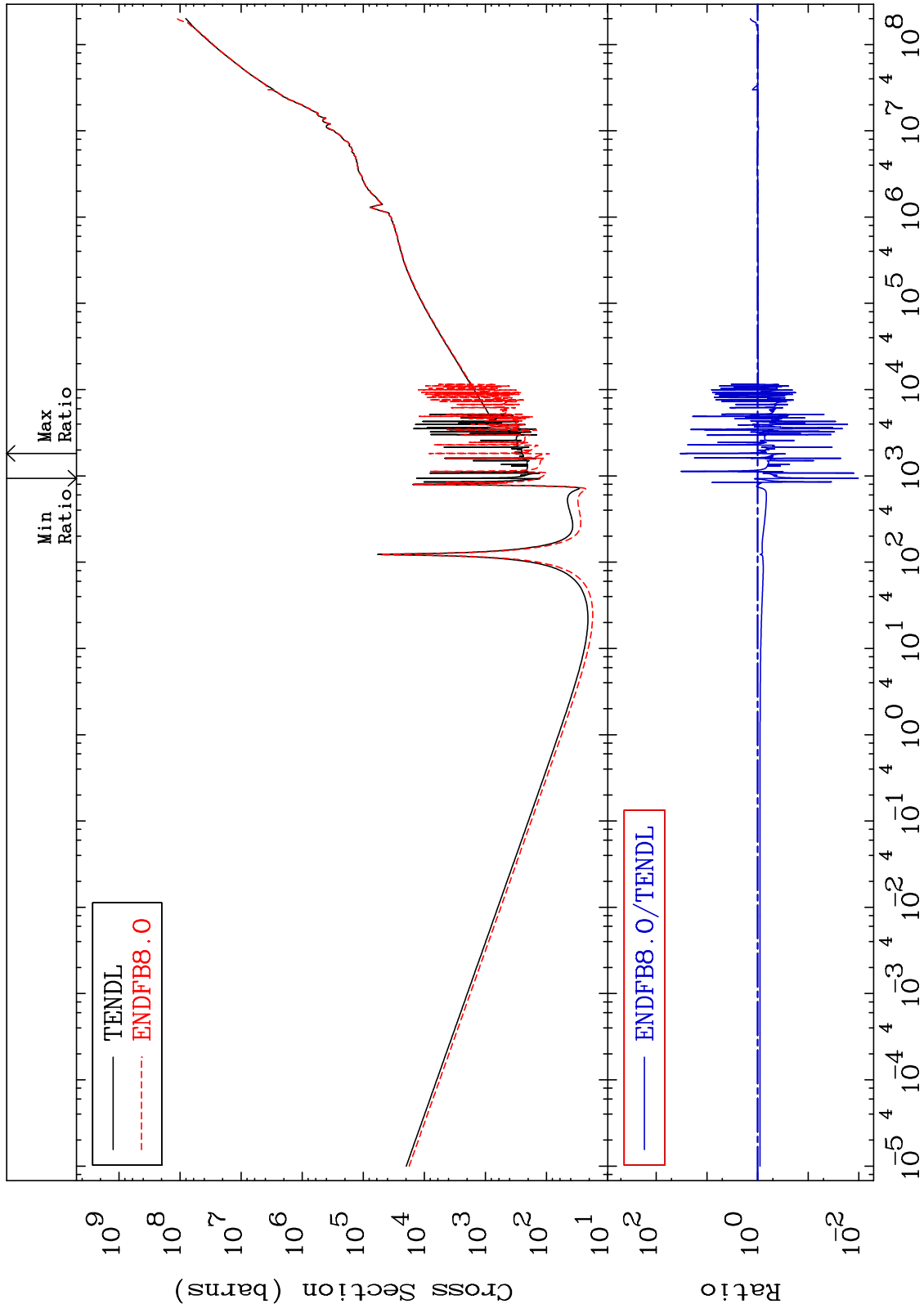
Incident Energy (eV)

81-T1-204

MAT 8128

Kerma total (eV-barns)
Cross Section

81-Tl-204
-98.98 To 3299. %



63

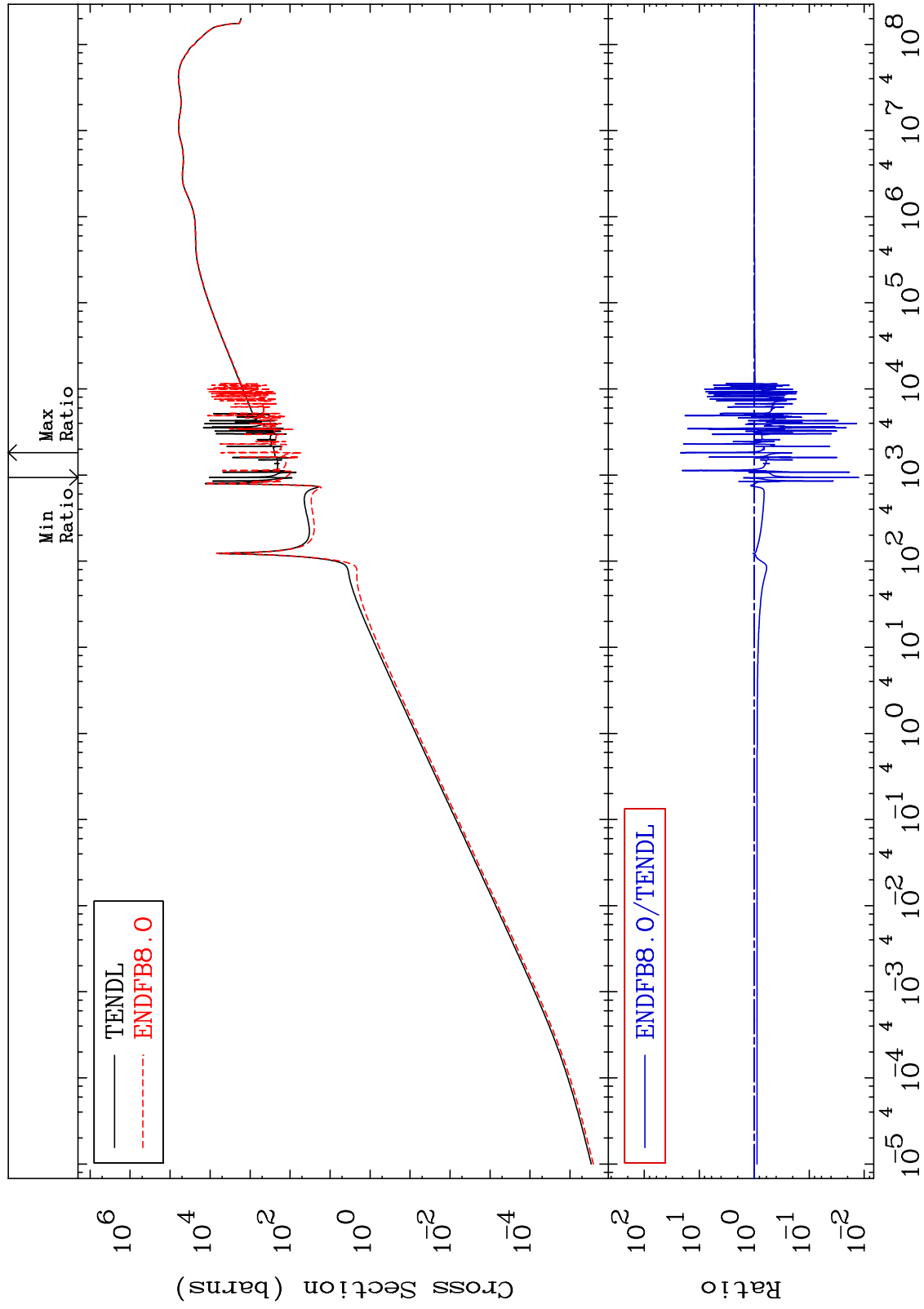
Incident Energy (eV)

81-Tl-204

MAT 8128

Kerma elastic
Cross Section

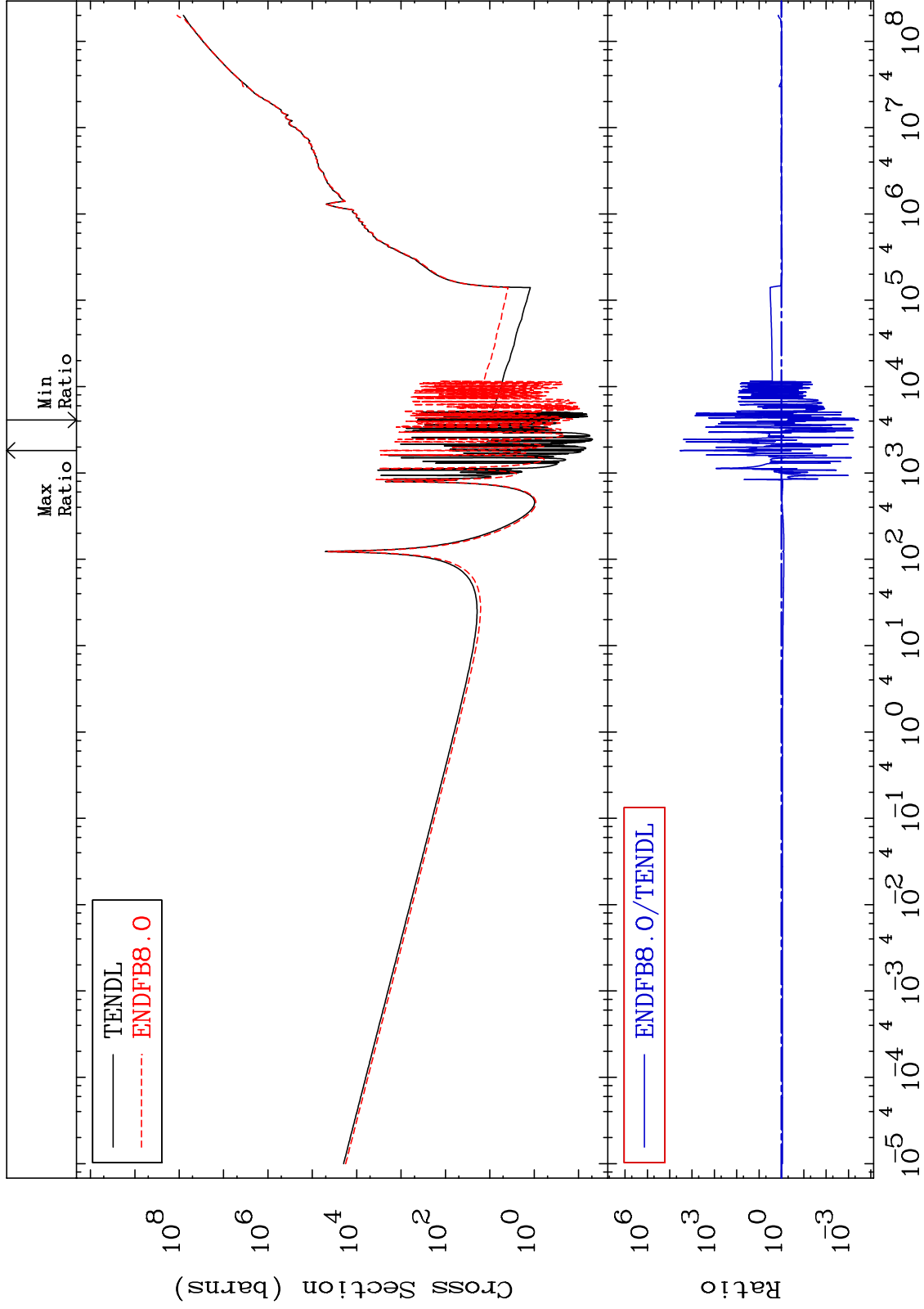
81-Tl-204
-98.73 To 2095. %



MAT 8128

Kerma non-elastic (all but mt2)
Cross Section

81-T1-204
-99.96 To 9999. %



65

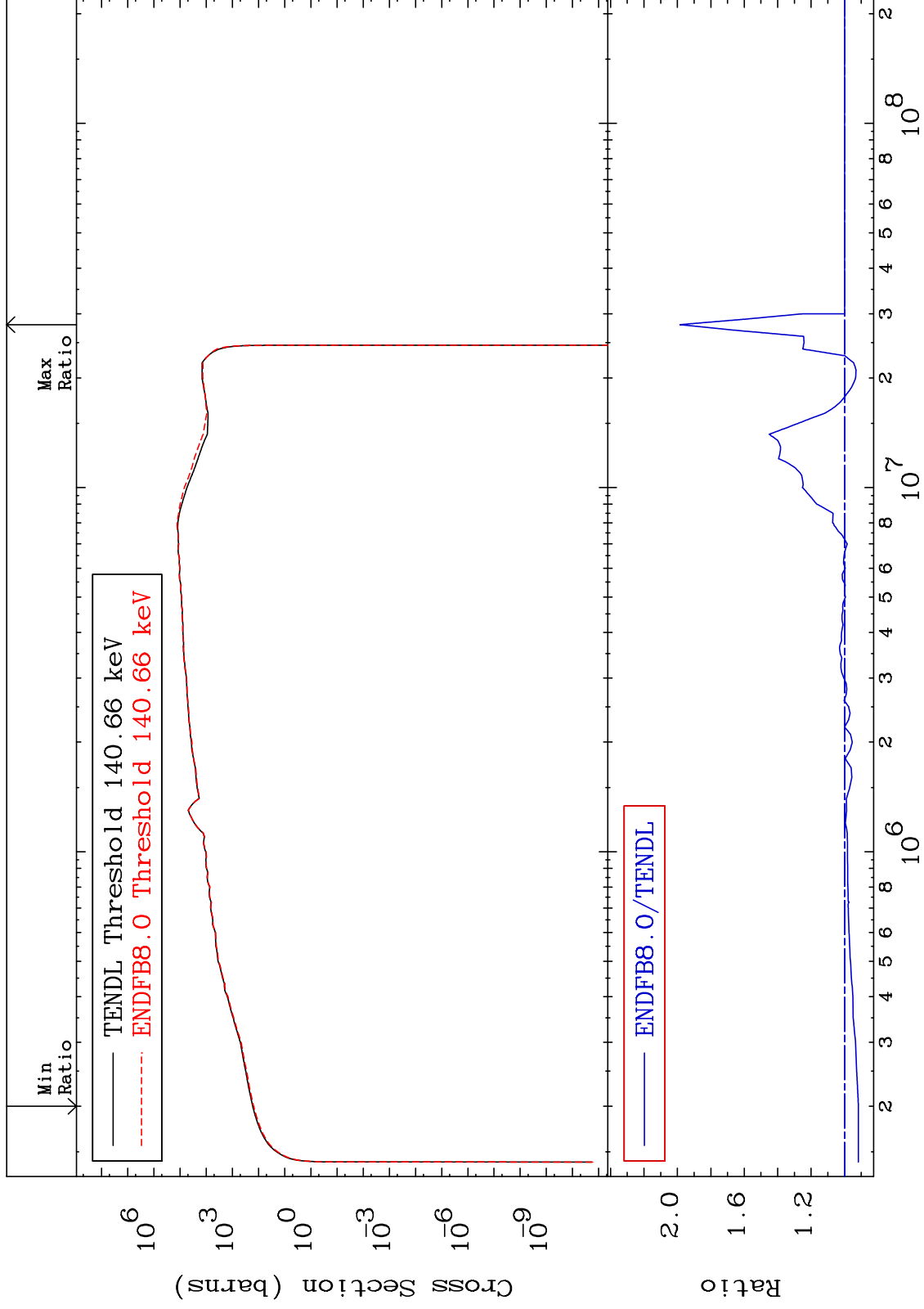
Incident Energy (eV)

81-T1-204

MAT 8128

Kerma inelastic (mt51-91)
Cross Section

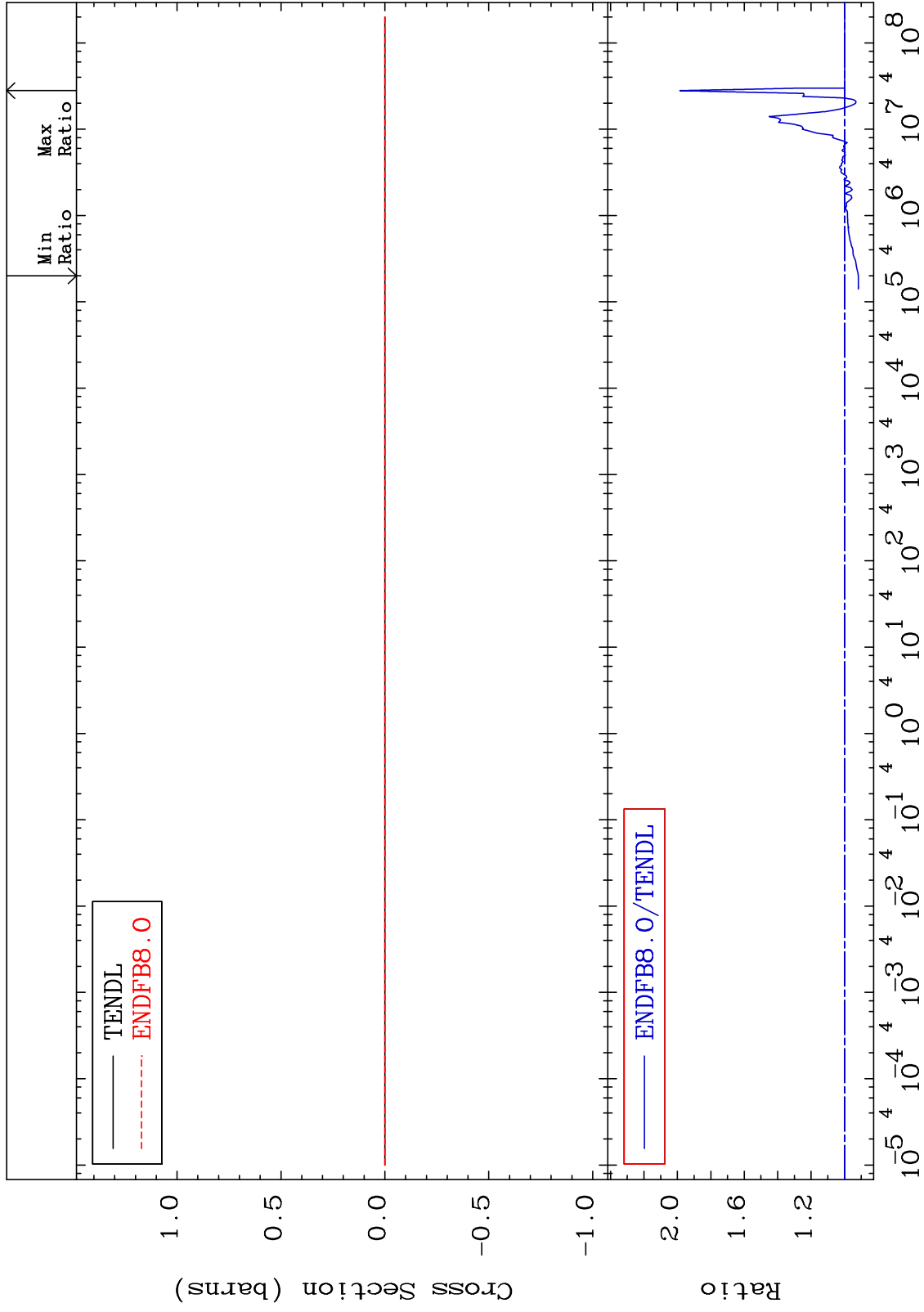
81-Tl-204
-8.304 To 98.43 %



MAT 8128

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

81-T1-204
-8.304 To 98.43 %



67

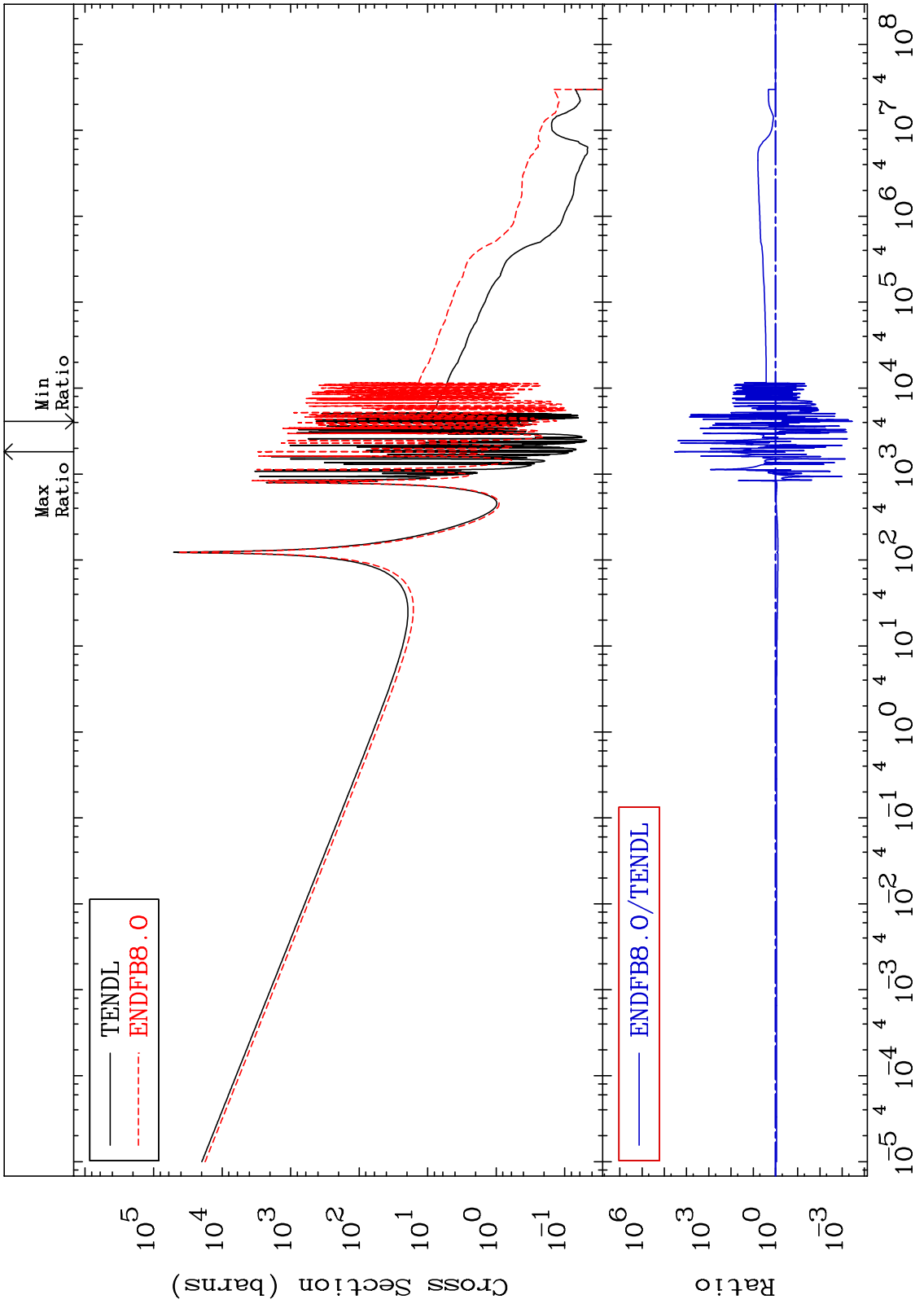
Incident Energy (eV)

81-T1-204

MAT 8128

Kerma capture (mt102)
Cross Section

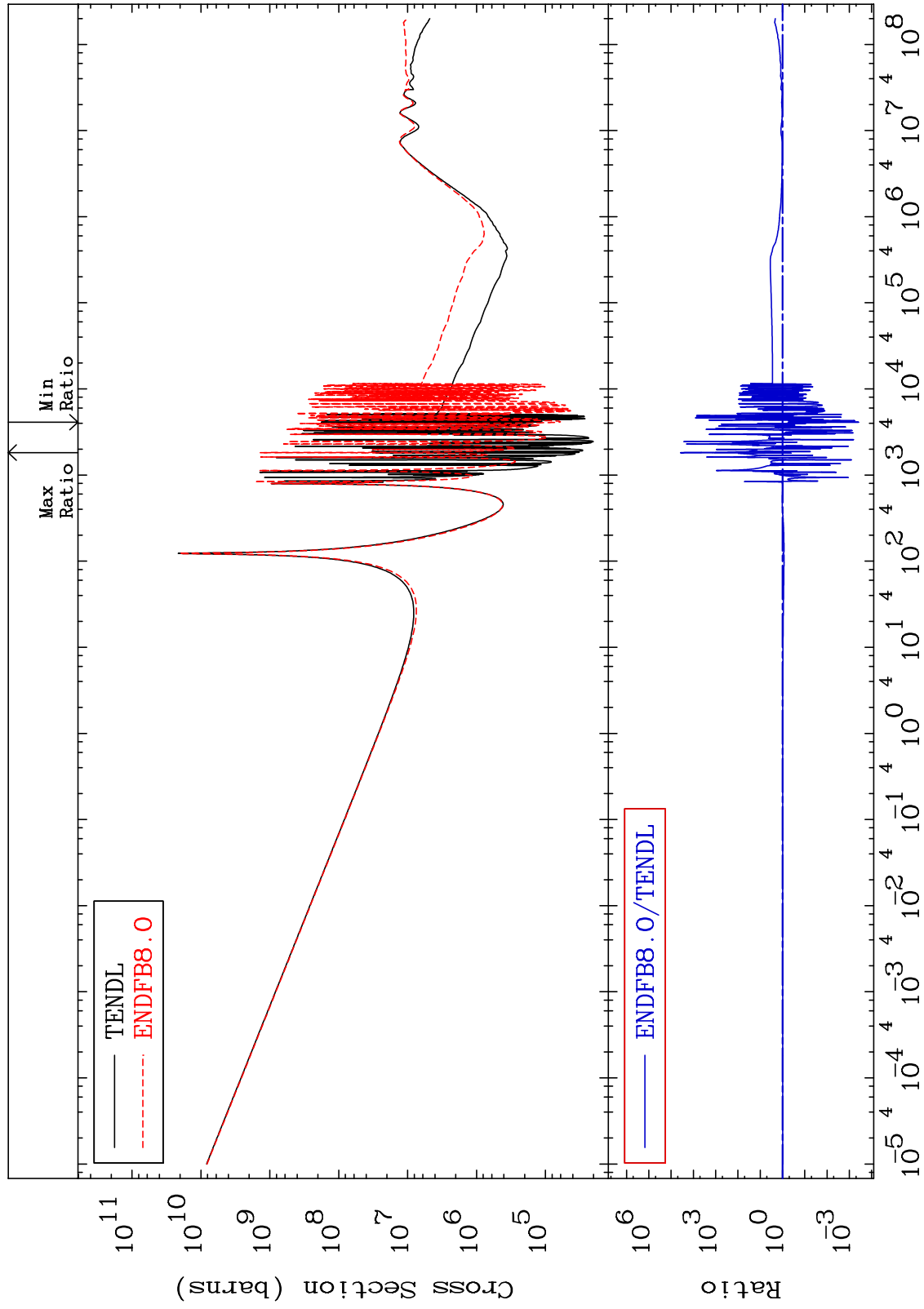
81-Tl-204
-99.96 To 9999. %



MAT 8128

Total photon (eV-barns)
Cross Section

81-Tl-204
-99.96 To 9999. %



69

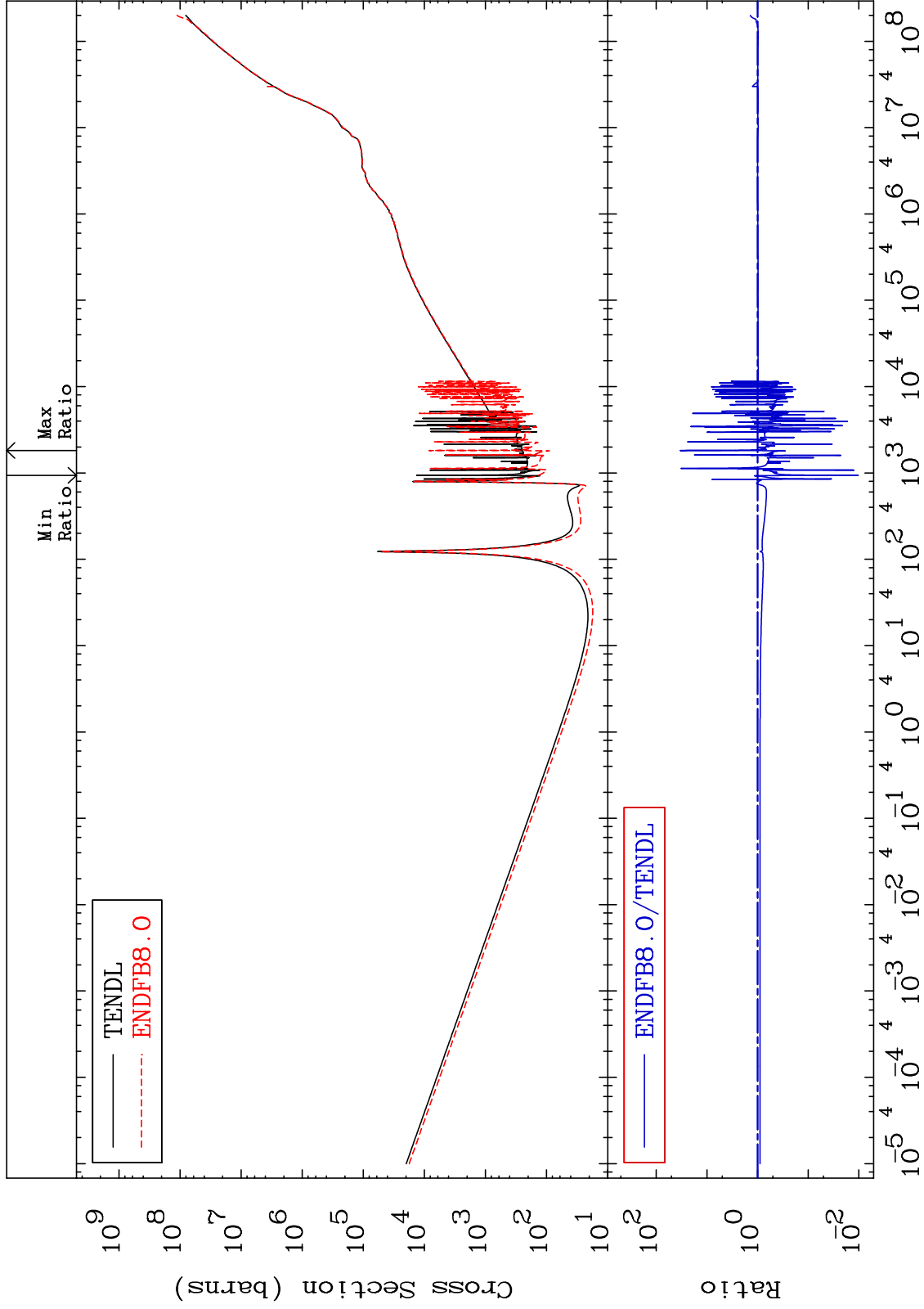
Incident Energy (eV)

81-Tl-204

MAT 8128

Total kinematic kerma (high limit)
Cross Section

81-Tl-204
-98.98 To 3299. %



70

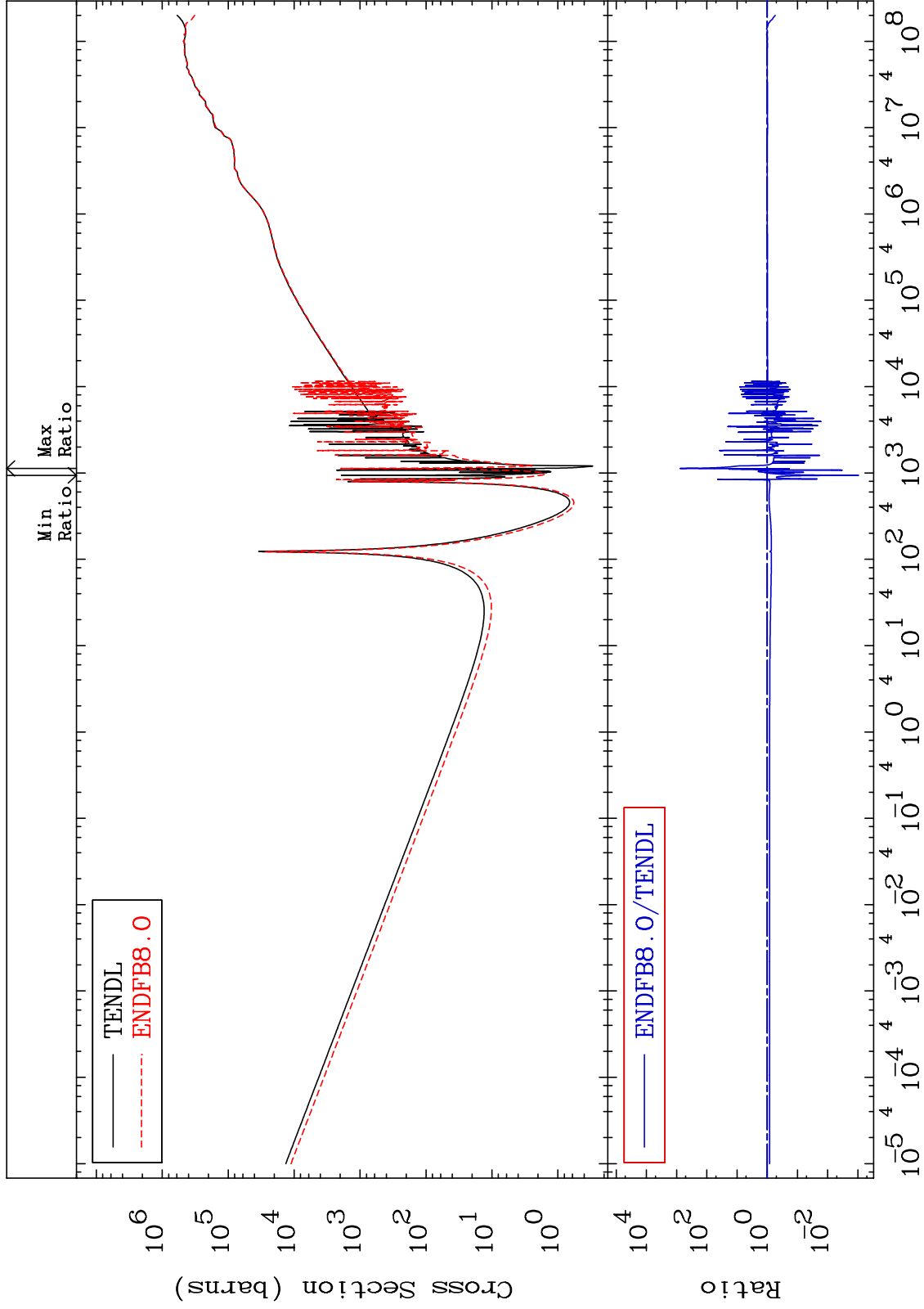
Incident Energy (eV)

81-Tl-204

MAT 8128

Dpa total (eV-barns)
Cross Section

81-T1-204
-99.90 To 9999. %



71

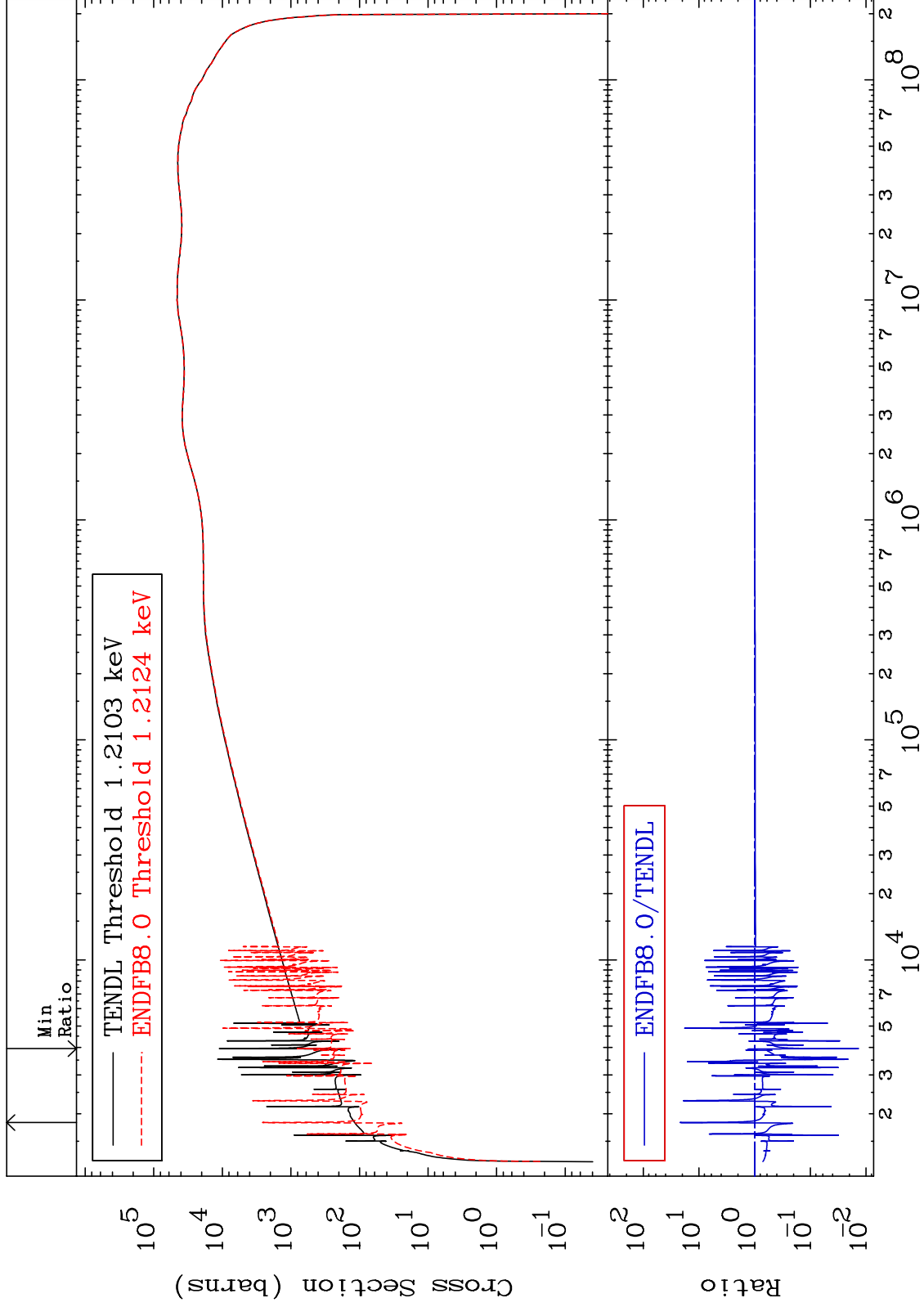
Incident Energy (eV)

81-T1-204

MAT 8128

Dpa elastic (mt2)
Cross Section

81-Tl-204
-98.63 To 2094. %



72

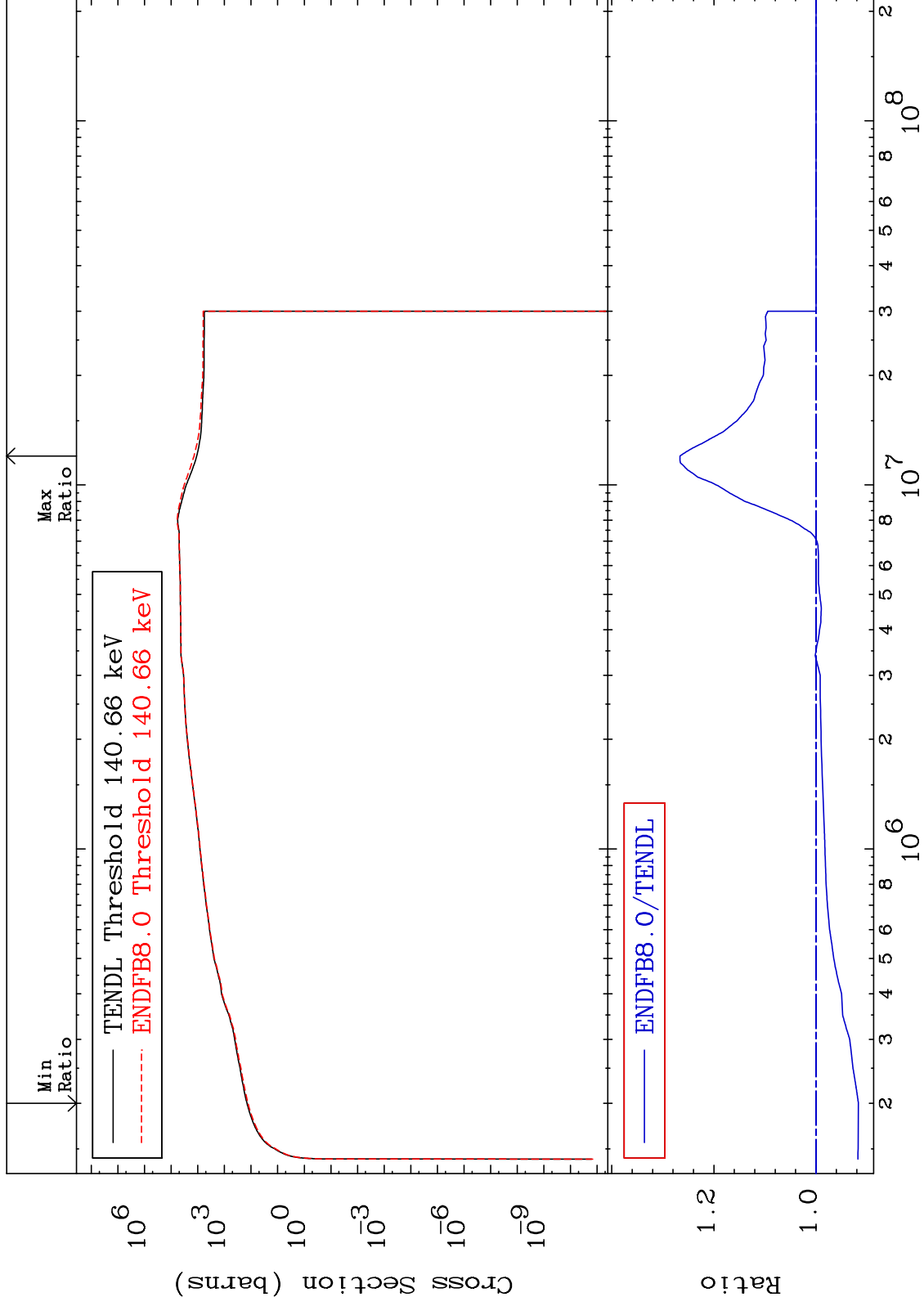
Incident Energy (eV)

81-Tl-204

MAT 8128

Dpa inelastic (mt51-91)
Cross Section

81-Tl-204
-8.304 To 26.63 %



73

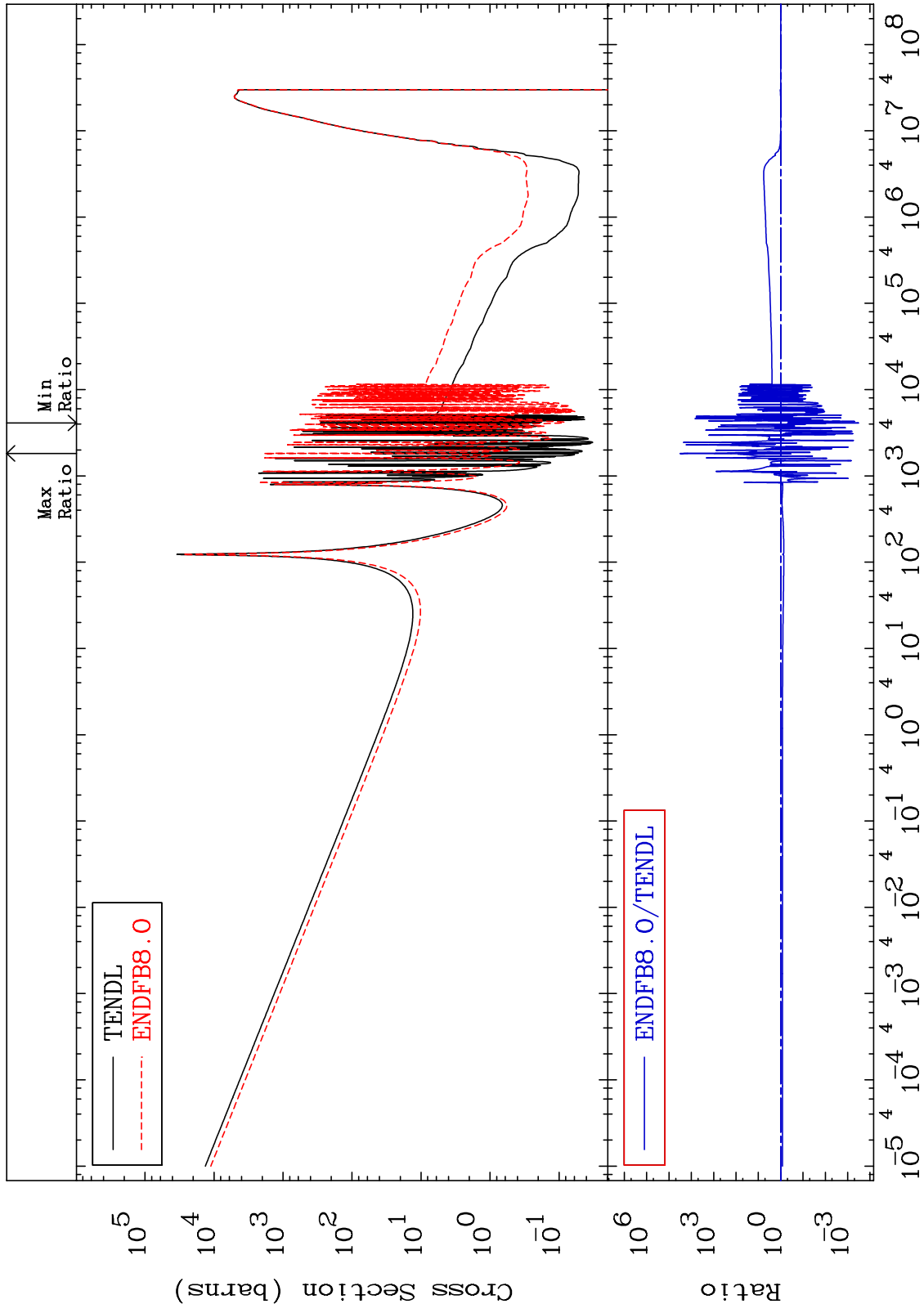
Incident Energy (eV)

81-Tl-204

MAT 8128

Dpa disappearance (mt102 -120)
Cross Section

81-T1-204
-99.97 To 9999. %

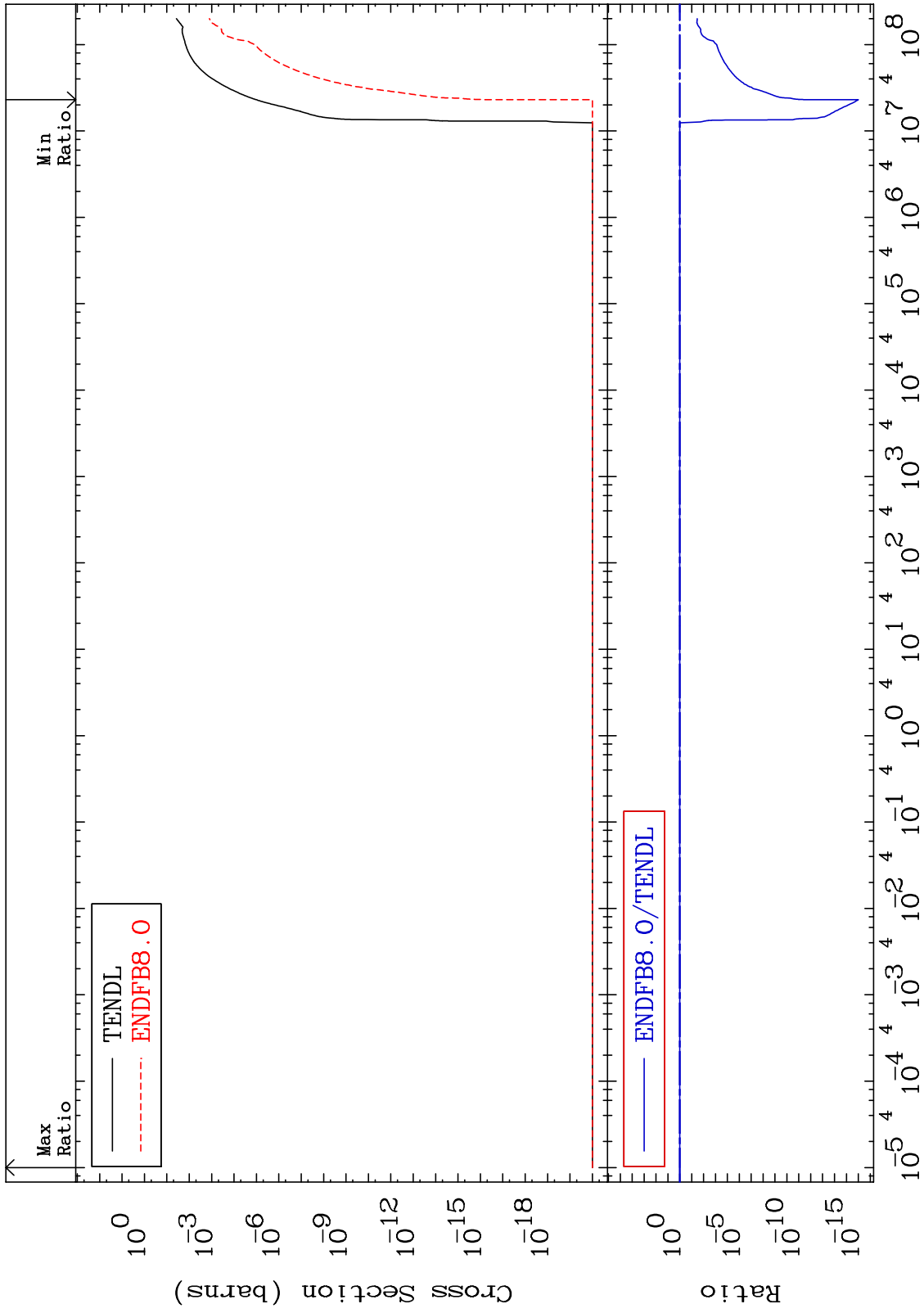


MAT 8128

Fission: 0-?-?-Nat

81-Tl-204

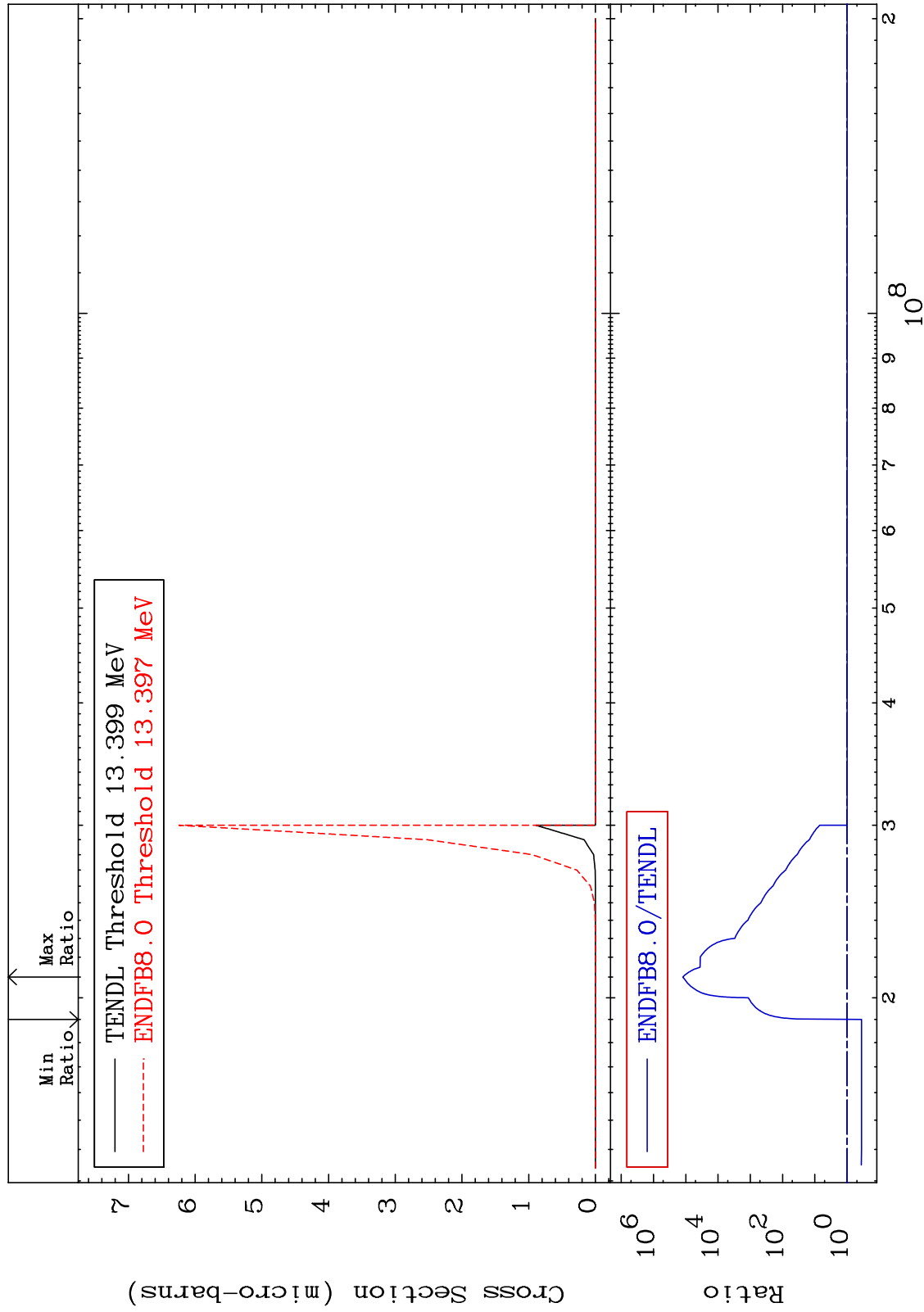
Radionuclide Production Cross Section -100.0 To 0.000 %



75

Incident Energy (eV)

81-Tl-204

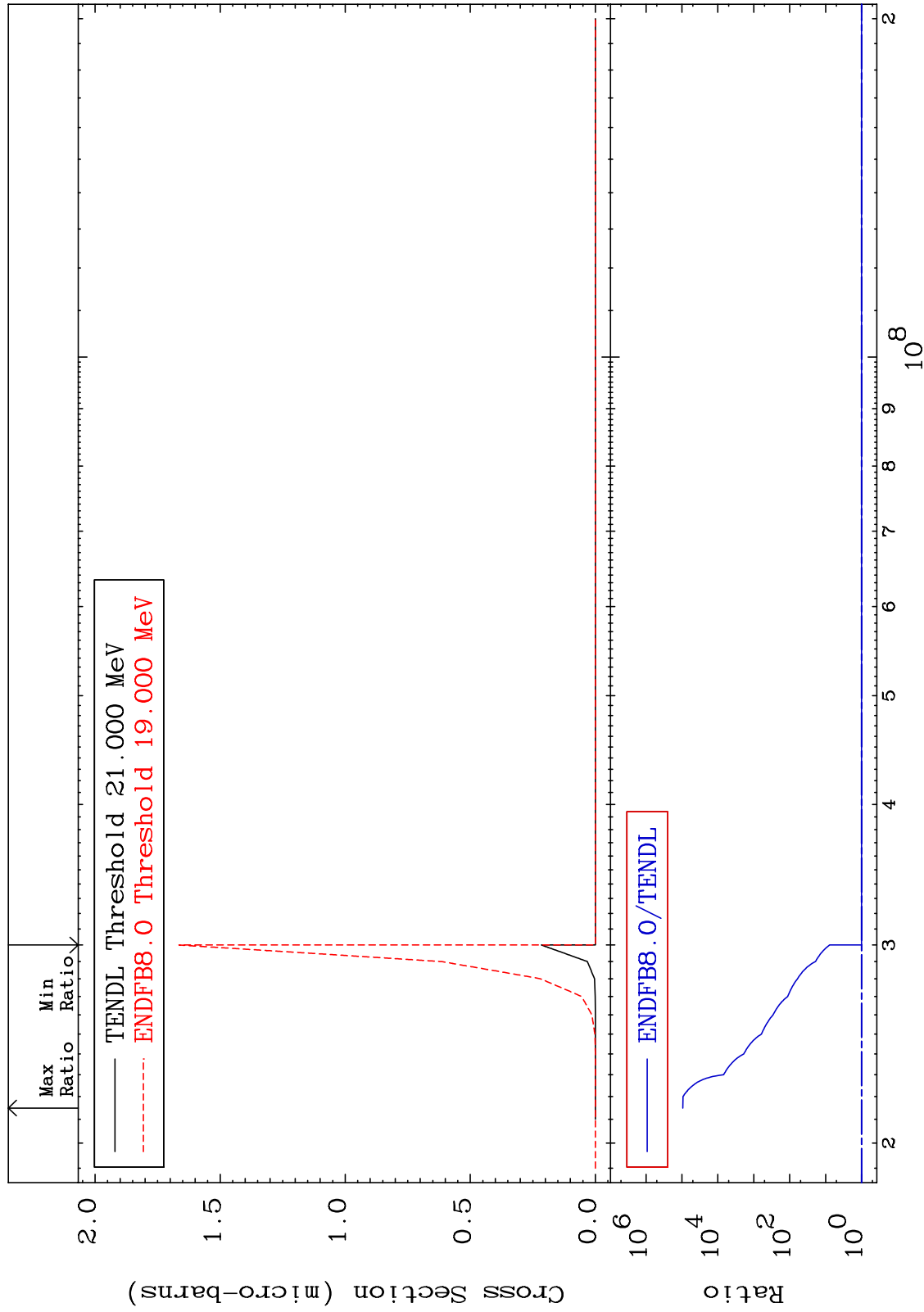


MAT 8128

(n,3n) α :79-Au-198m10

81-Tl-204

Radionuclide Production Cross Section 0.000 To 9999. %



77

Incident Energy (eV)

81-Tl-204