

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

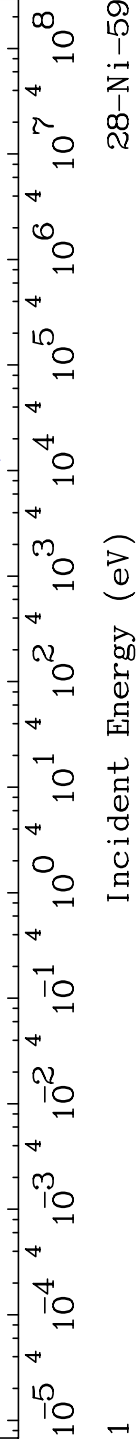
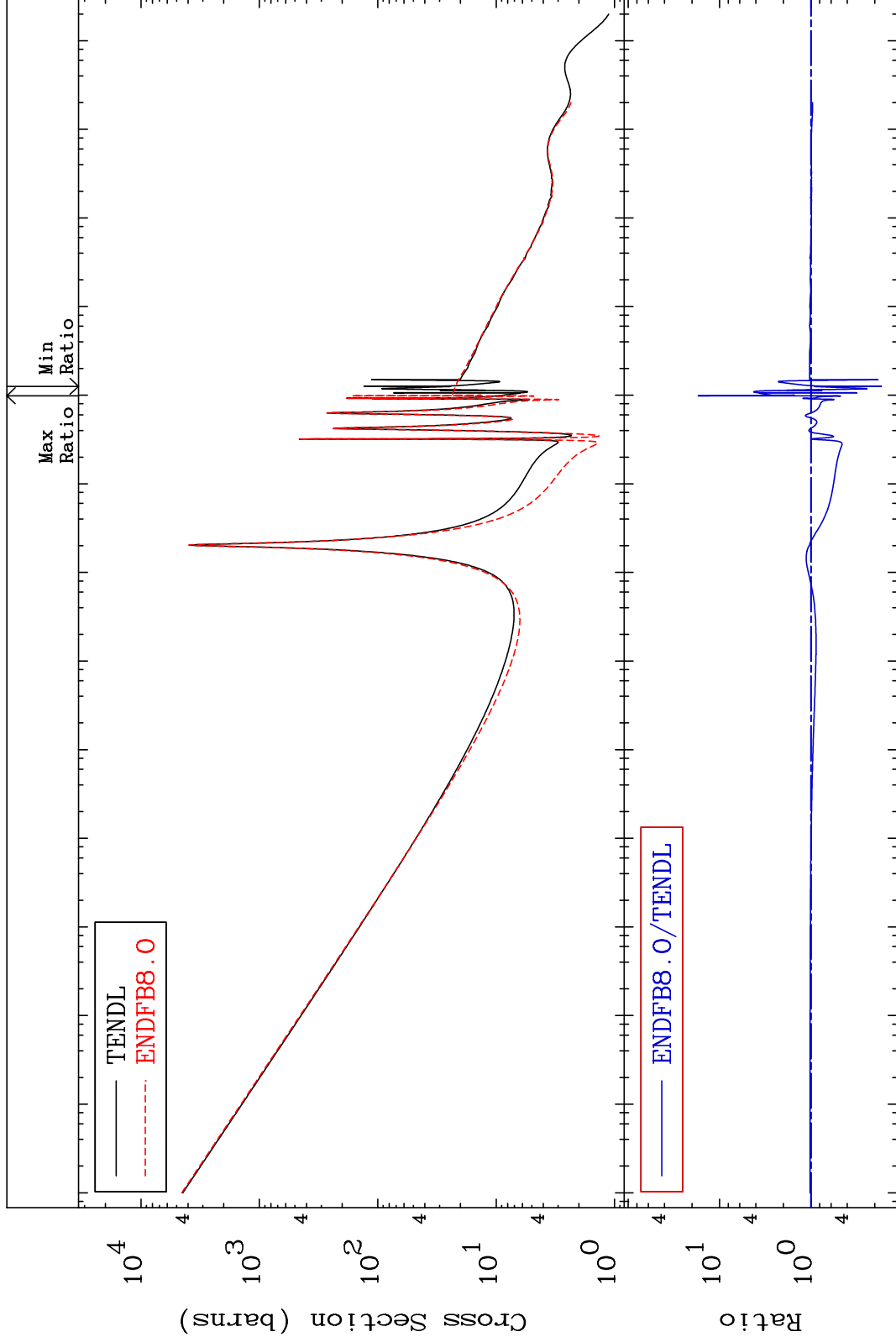
MAT 2828

Total

28-Ni-59

Cross Section

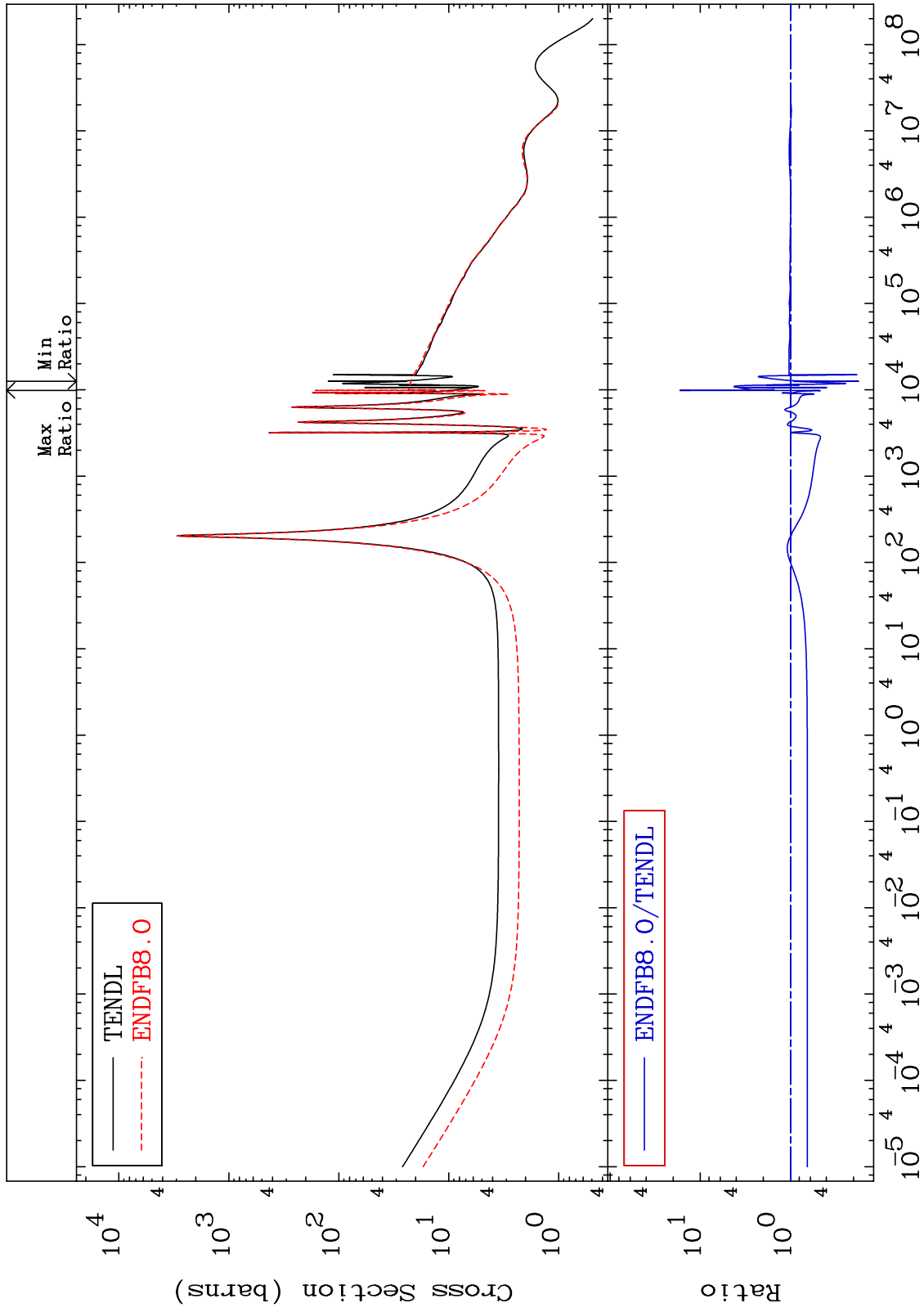
-83.14 To 1604. %



MAT 2828

Elastic
Cross Section

28-Ni-59
-82.37 To 1580. %



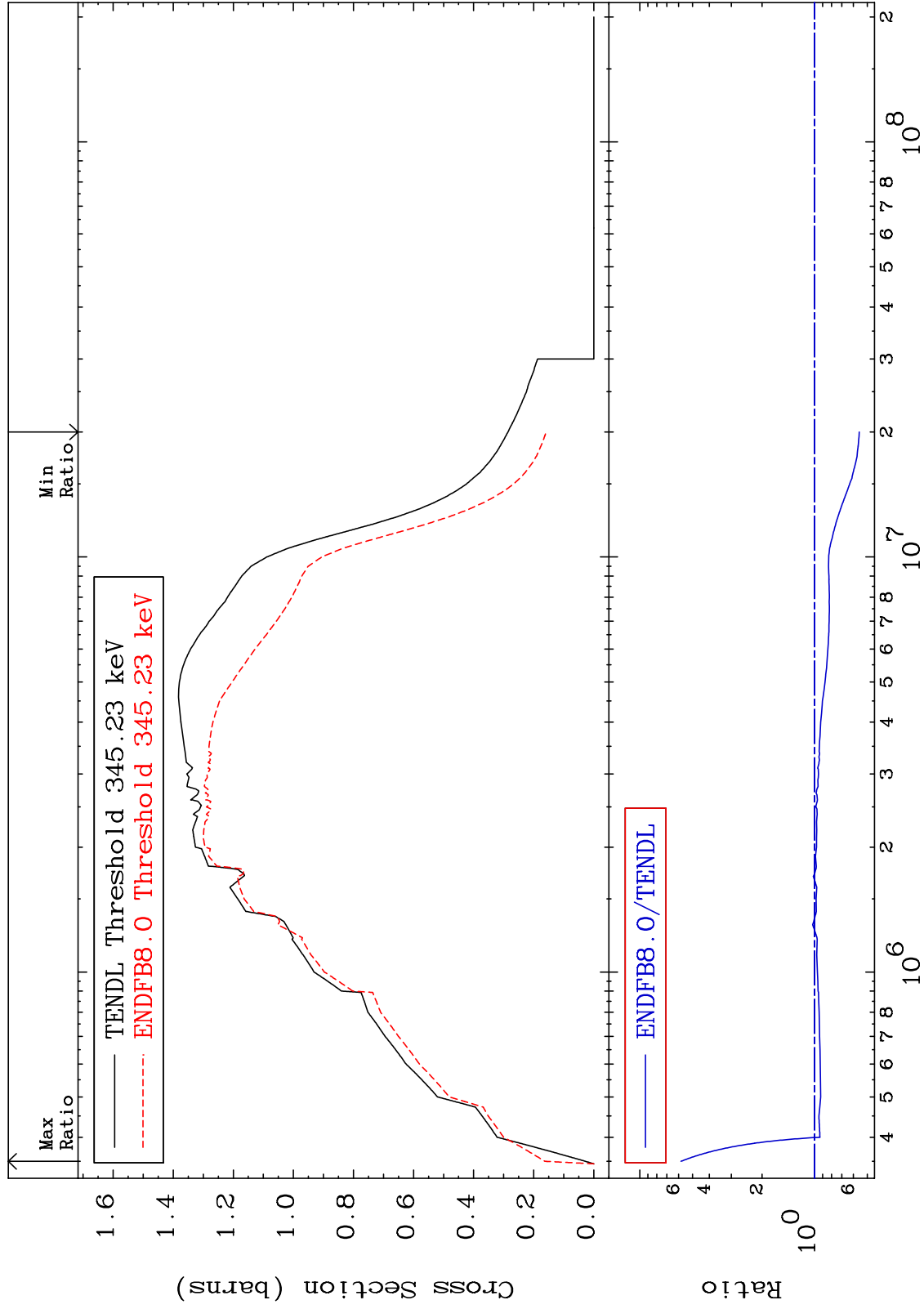
MAT 2828

Inelastic

28-Ni-59

Cross Section

-44.44 To 480.9 %



3

Incident Energy (eV)

28-Ni-59

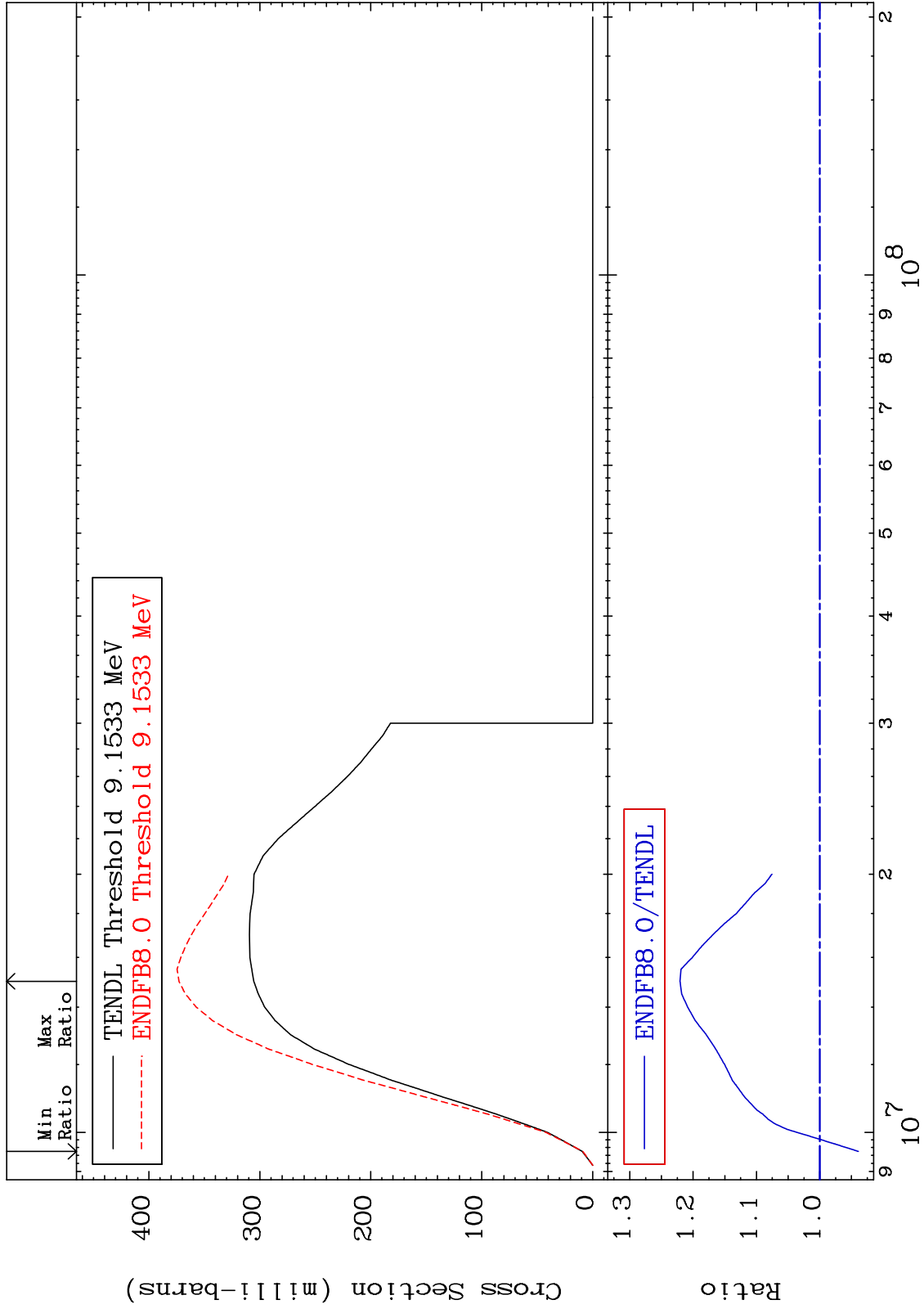
MAT 2828

(n,2n)

28-Ni-59

Cross Section

-6.097 To 22.07 %



28-Ni-59

28-Ni-59

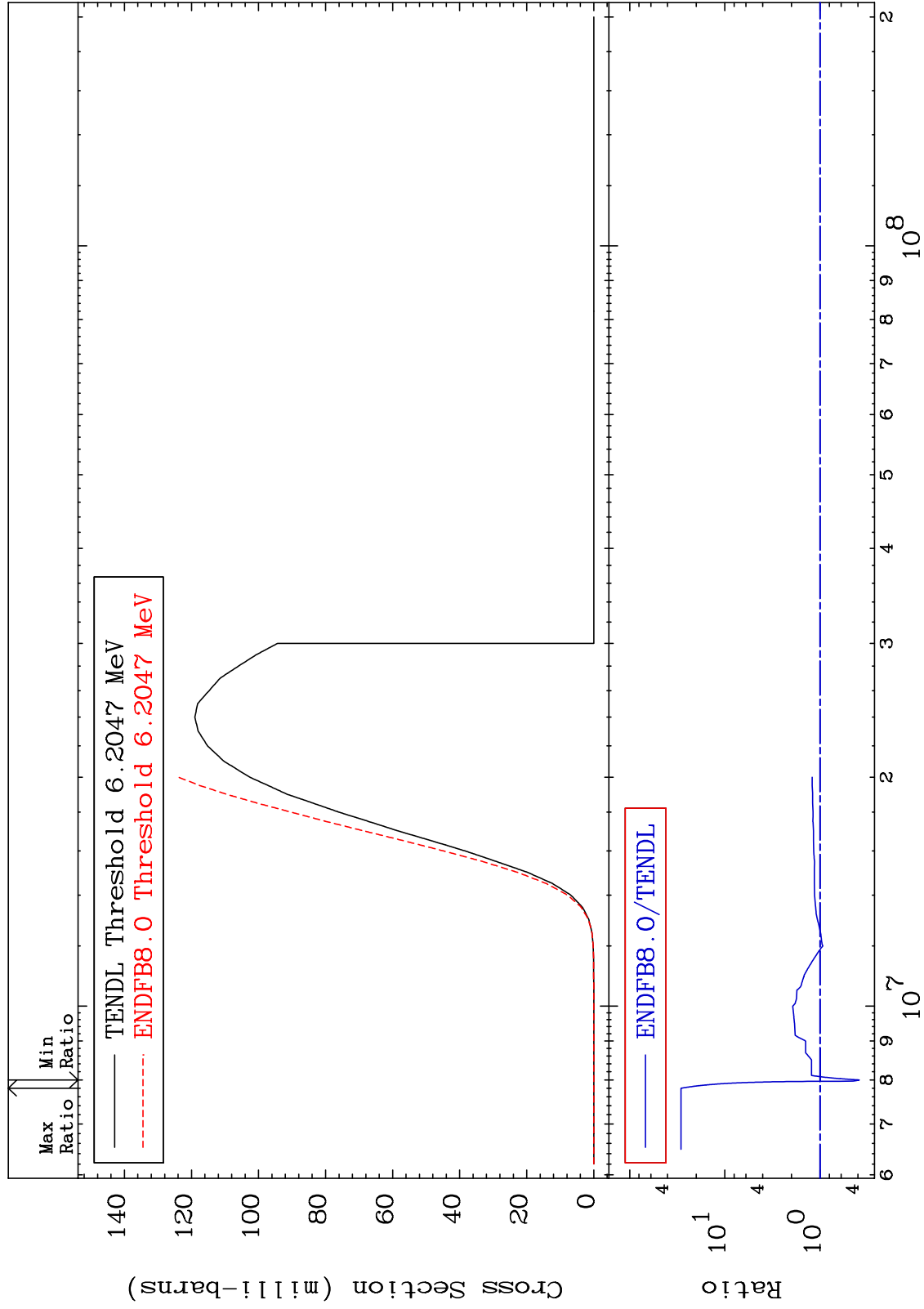
MAT 2828

(n,n') α

28-Ni-59

Cross Section

-61.28 To 2787. %



Incident Energy (eV)

28-Ni-59

5

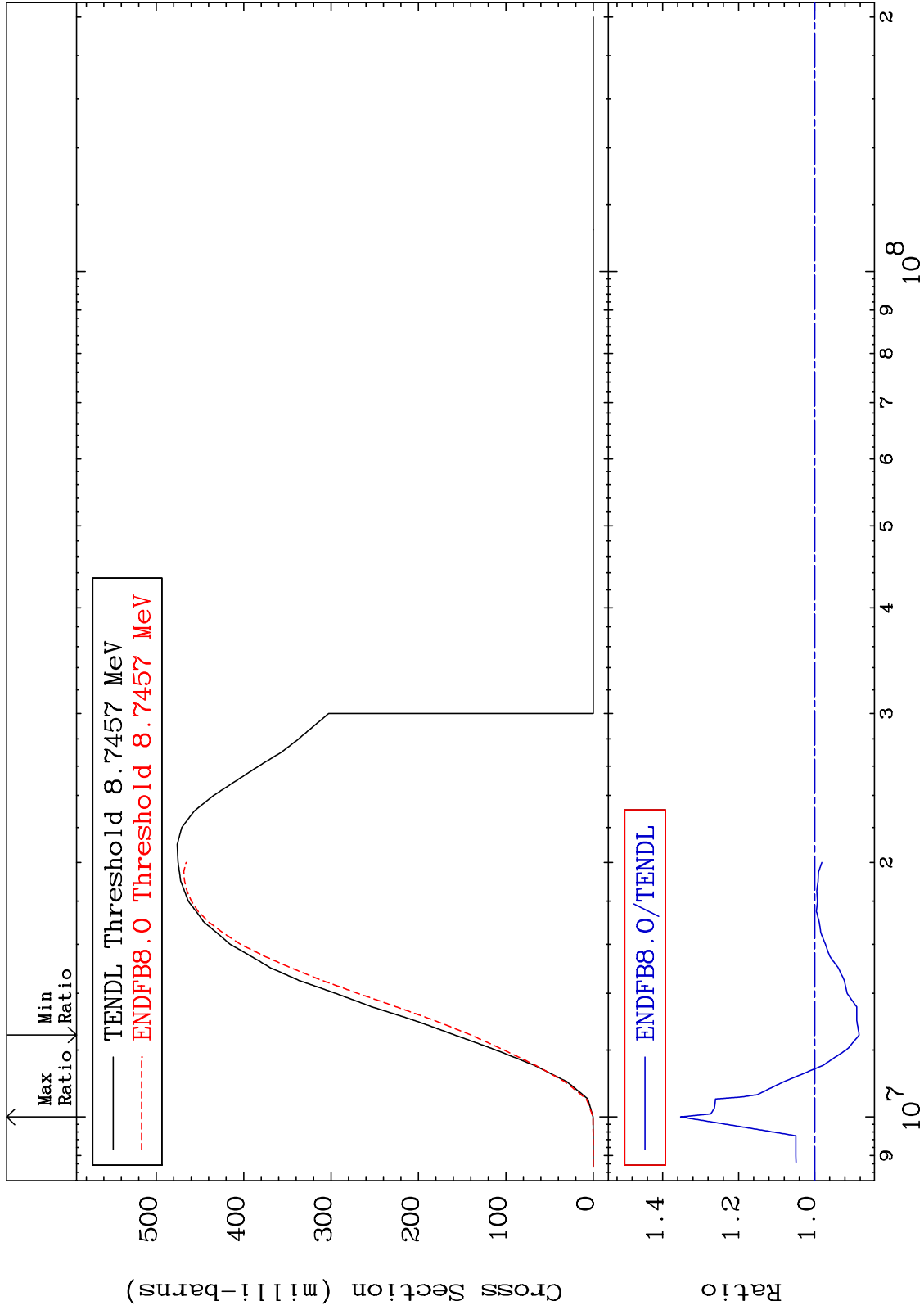
MAT 2828

(n,n') p

28-Ni-59

Cross Section

-11.75 To 35.25 %



28-Ni-59

28-Ni-59

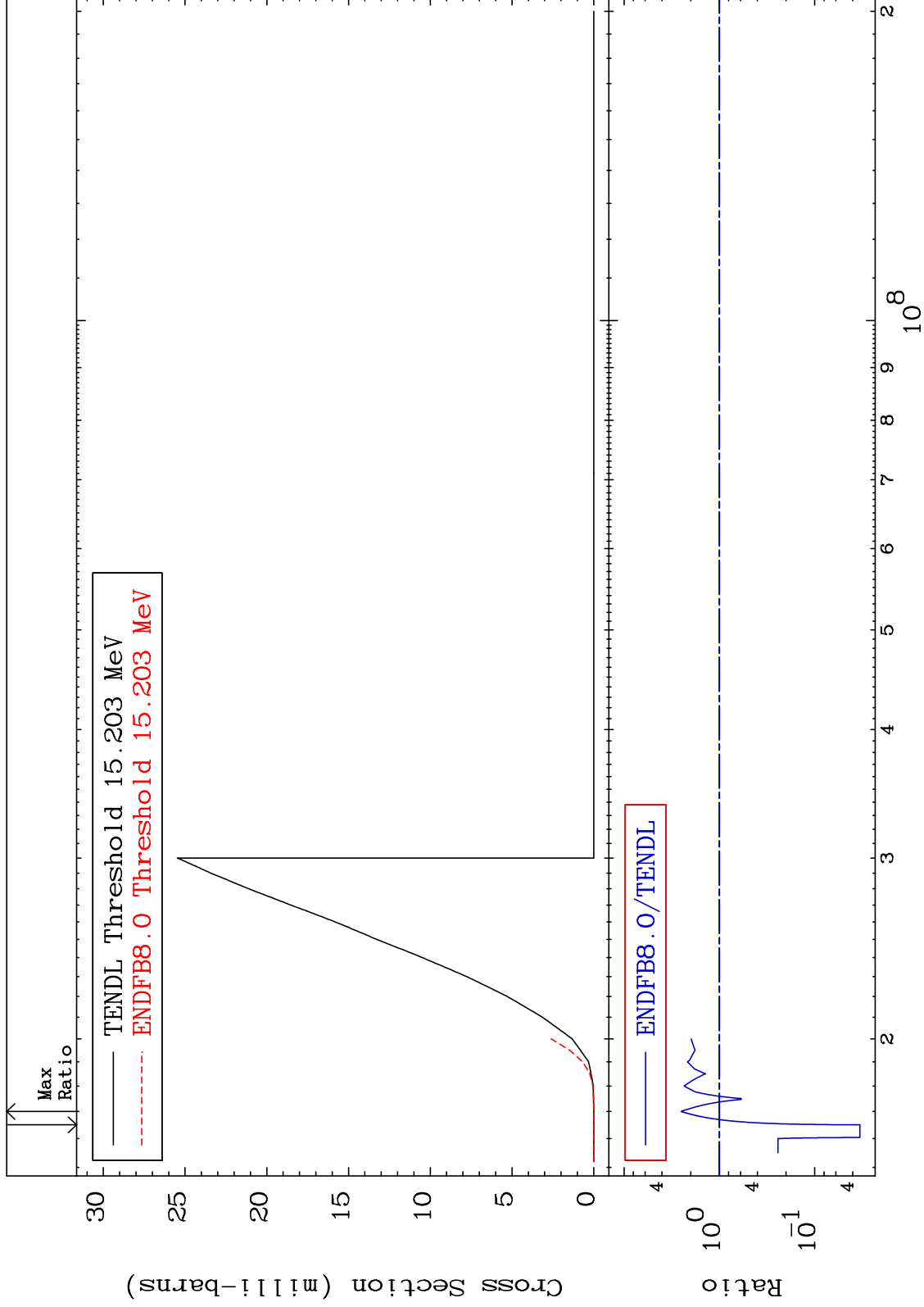
MAT 2828

(n,n') d

28-Ni-59

Cross Section

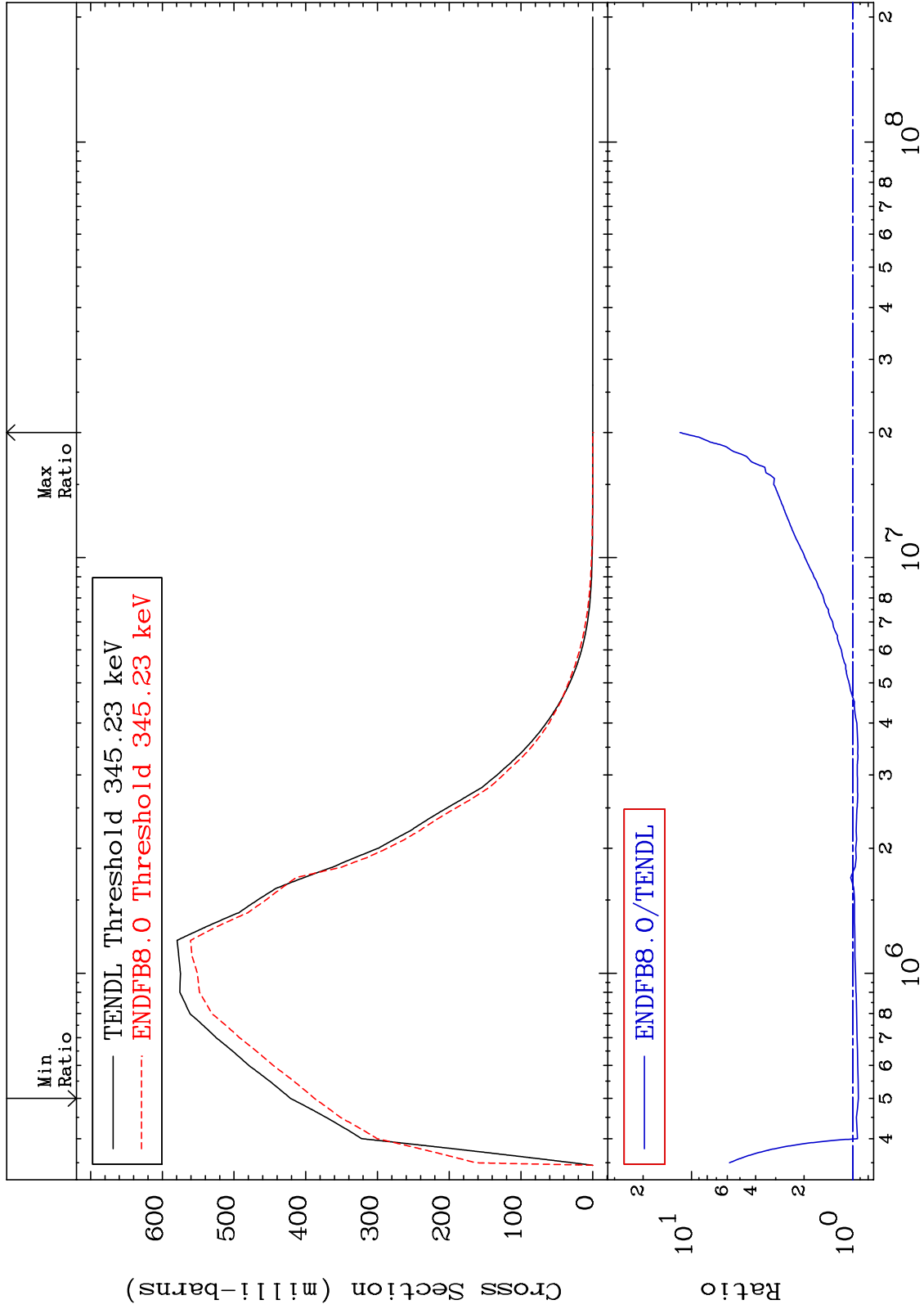
-96.64 To 151.3 %



MAT 2828

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

28-Ni-59
-7.925 To 1078. %



8

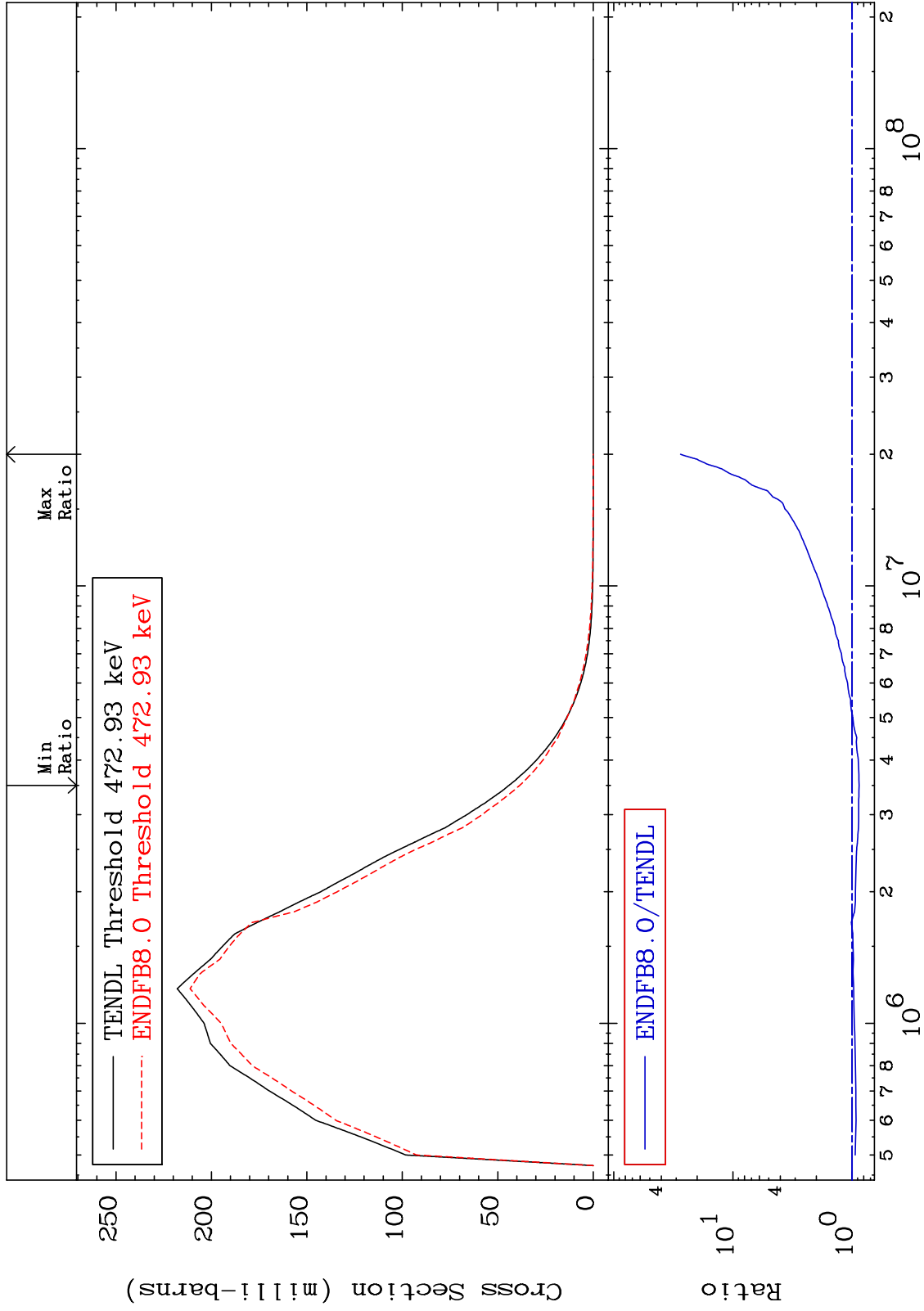
Incident Energy (eV)

28-Ni-59

MAT 2828

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

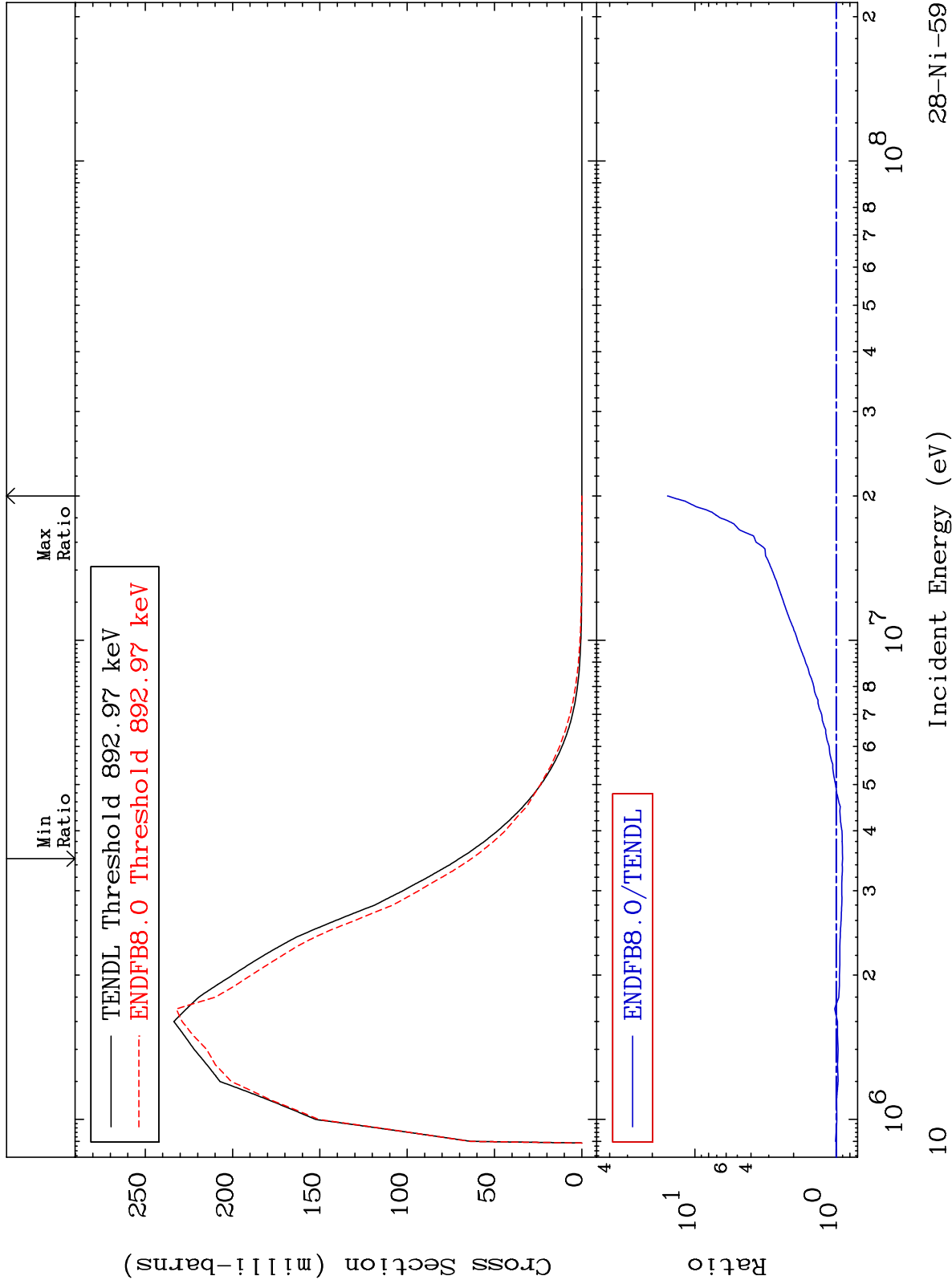
28-Ni-59
-12.79 To 2650. %



MAT 2828

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

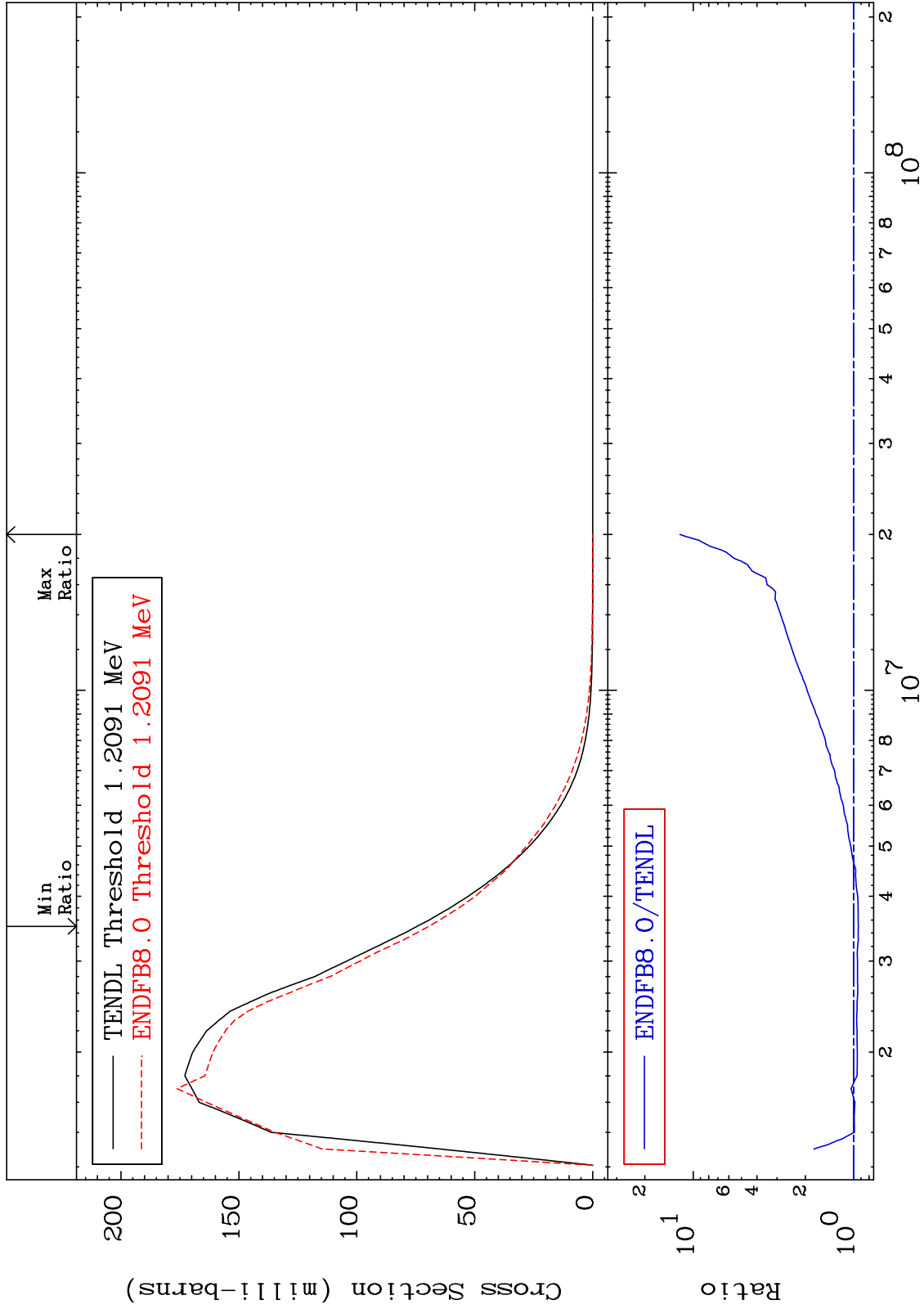
28-Ni-59
-10.07 To 1459. %



MAT 2828

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

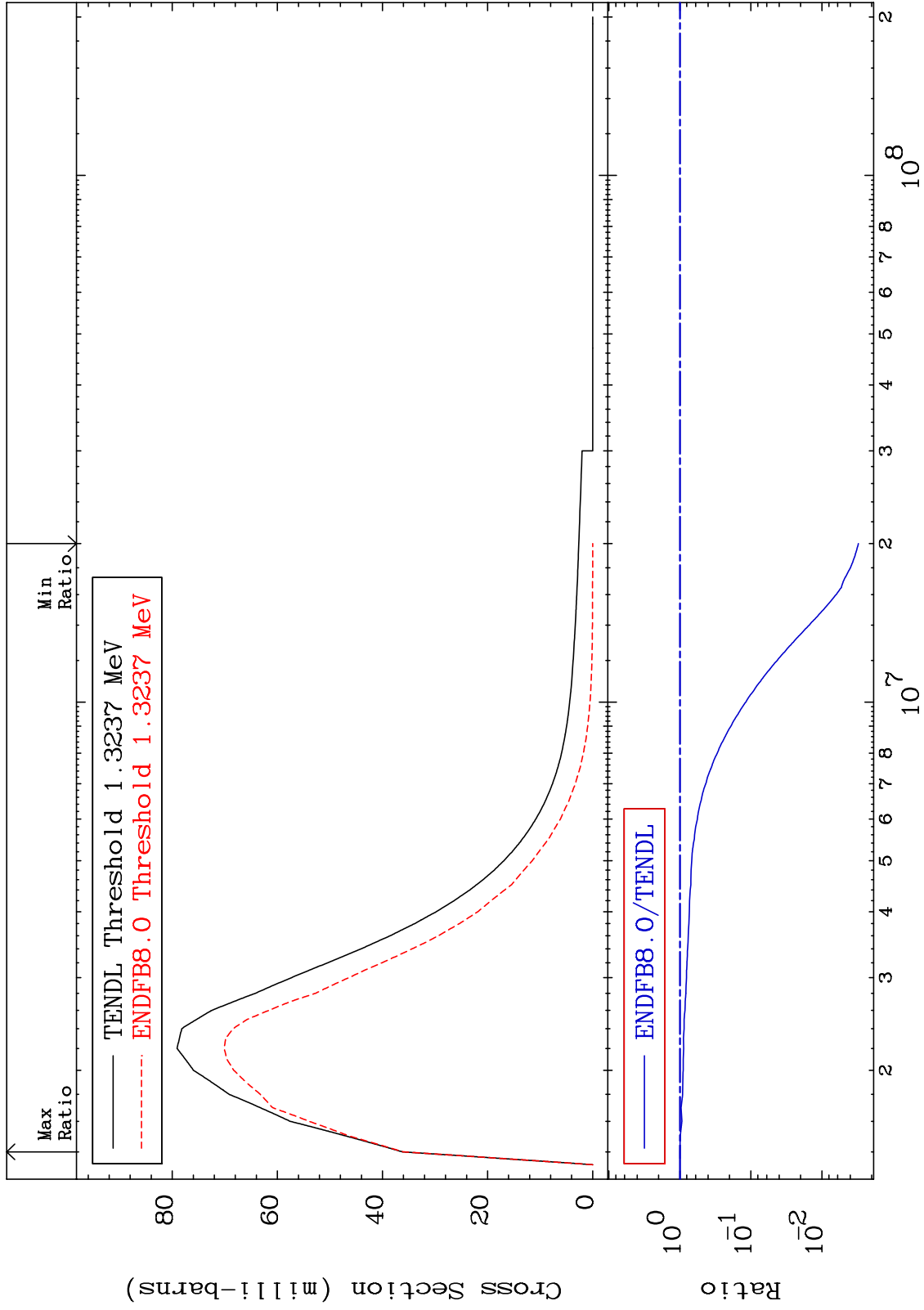
28-Ni-59
-6.710 To 1108. %



MAT 2828

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

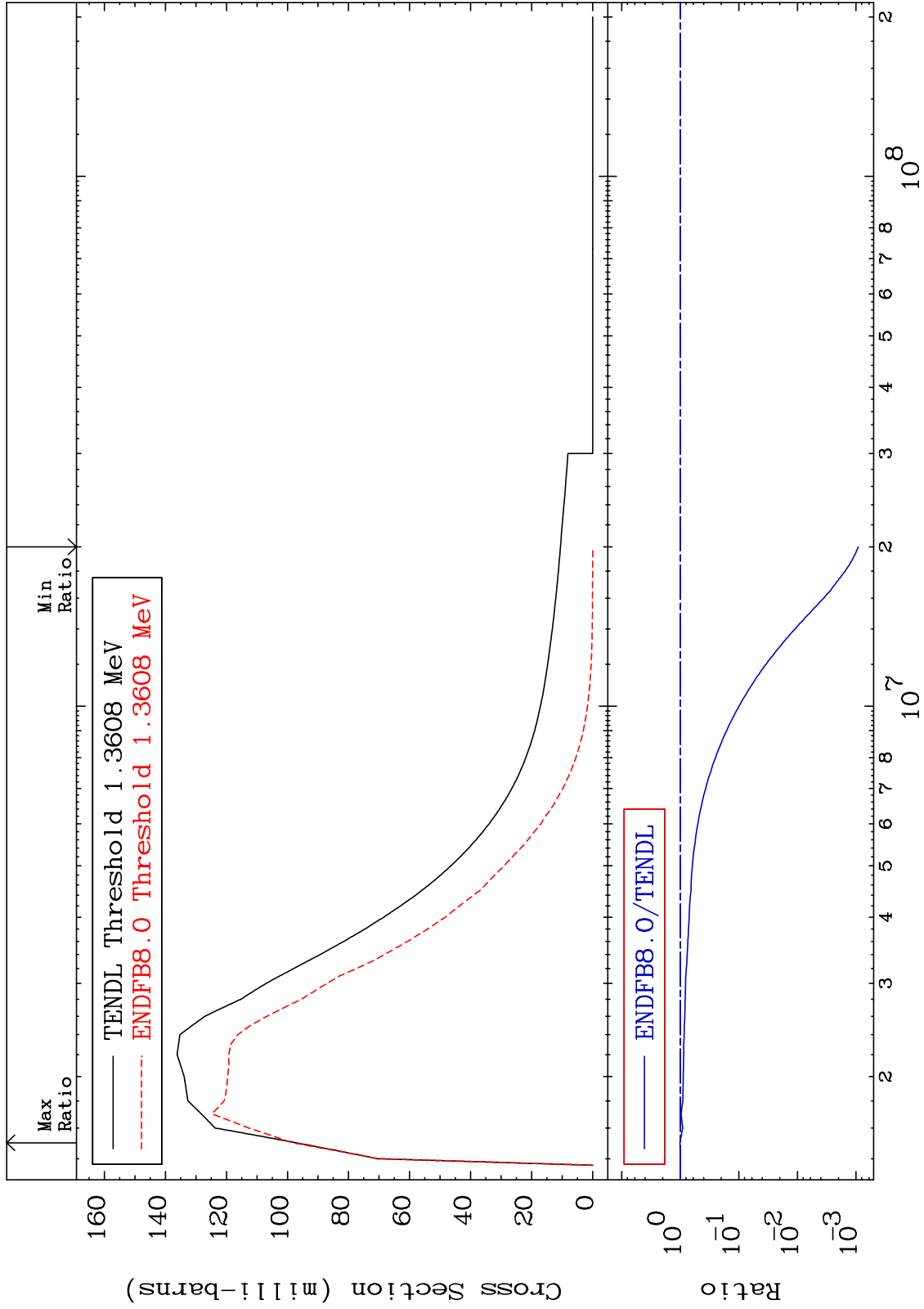
28-Ni-59
-99.69 To -0.449%



MAT 2828

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

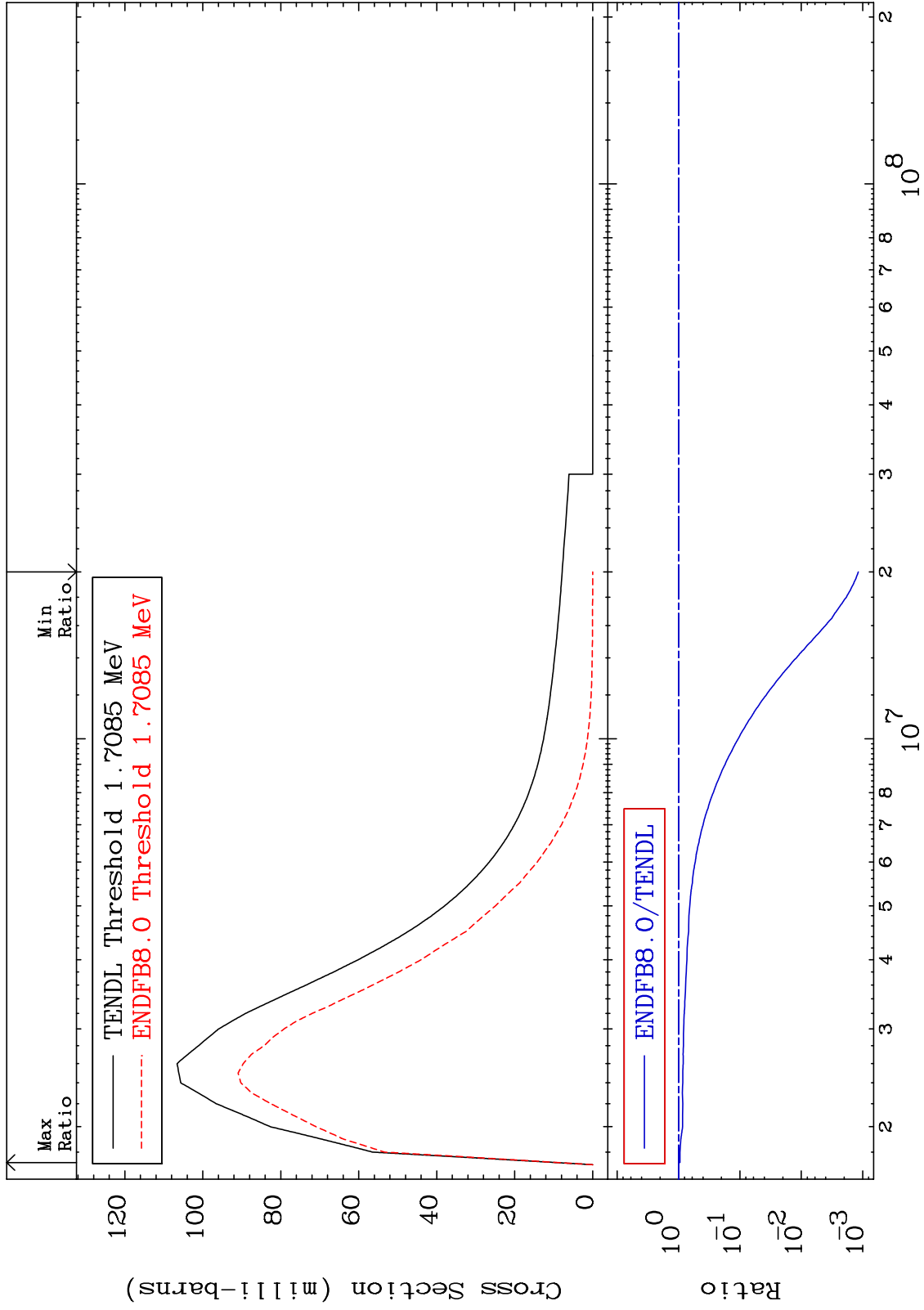
28-Ni-59
-99.91 To 1.254 %



MAT 2828

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

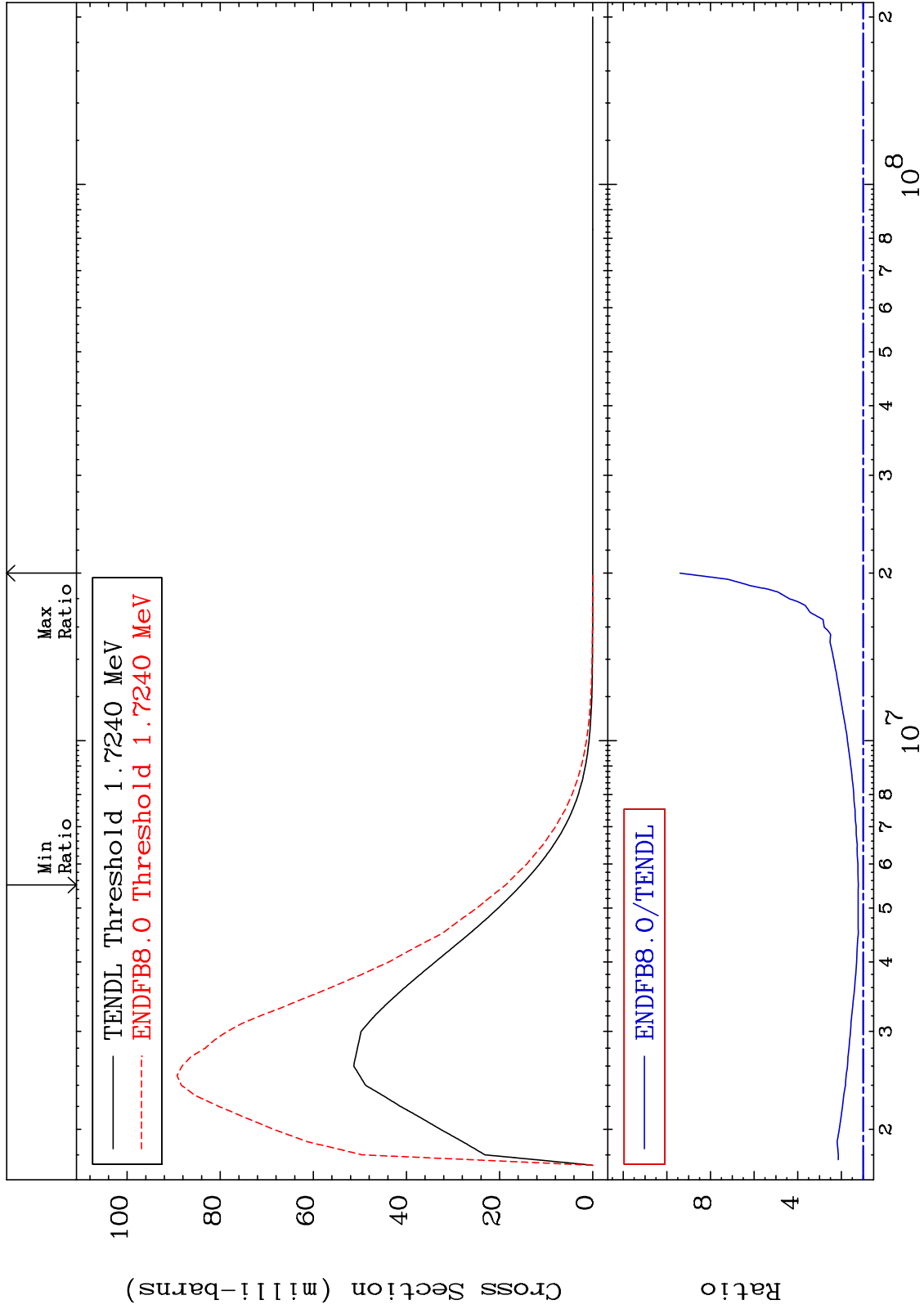
28-Ni-59
-99.88 To -5.330%



MAT 2828

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

28-Ni-59
21.72 To 839.9 %



15

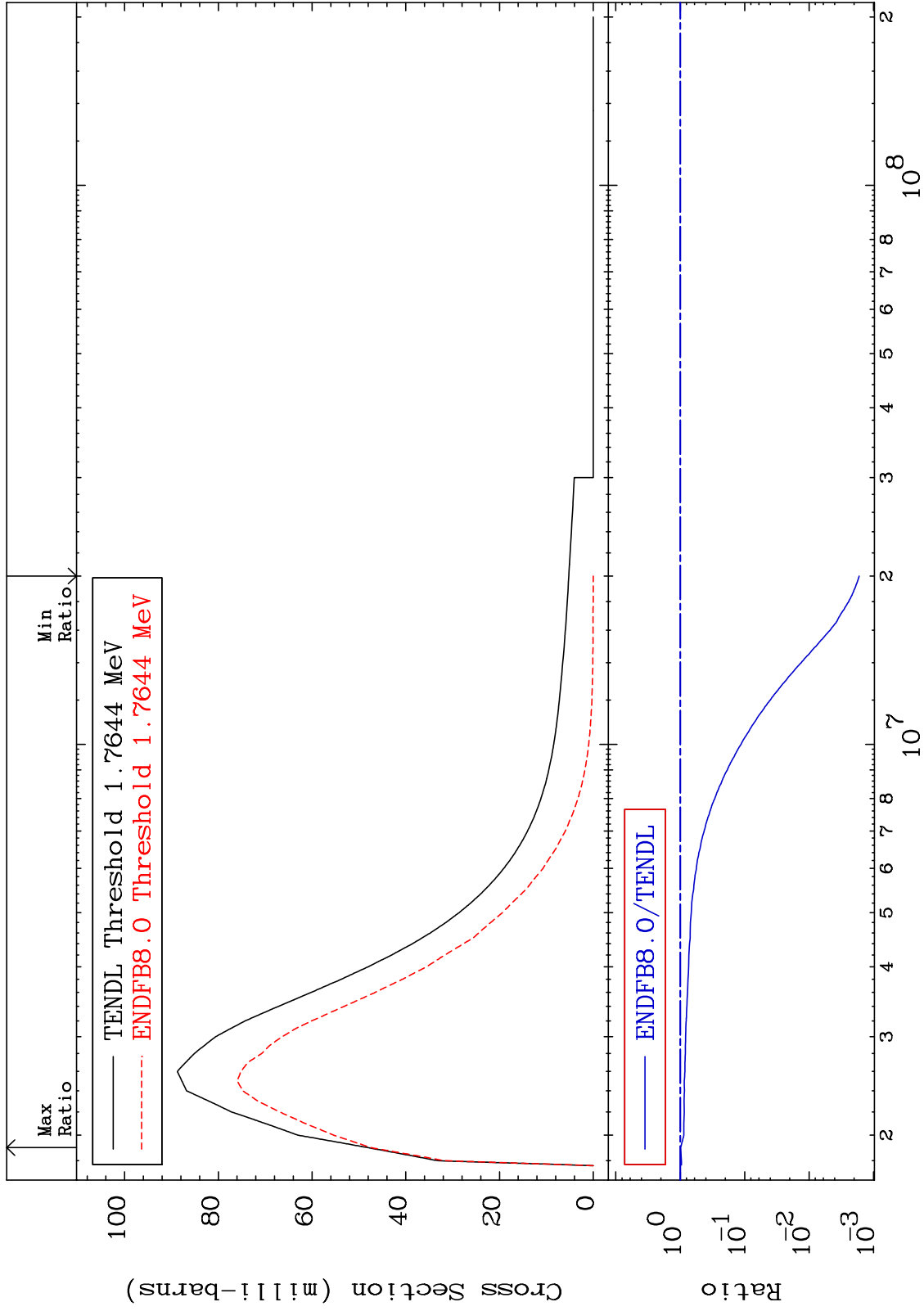
Incident Energy (eV)

28-Ni-59

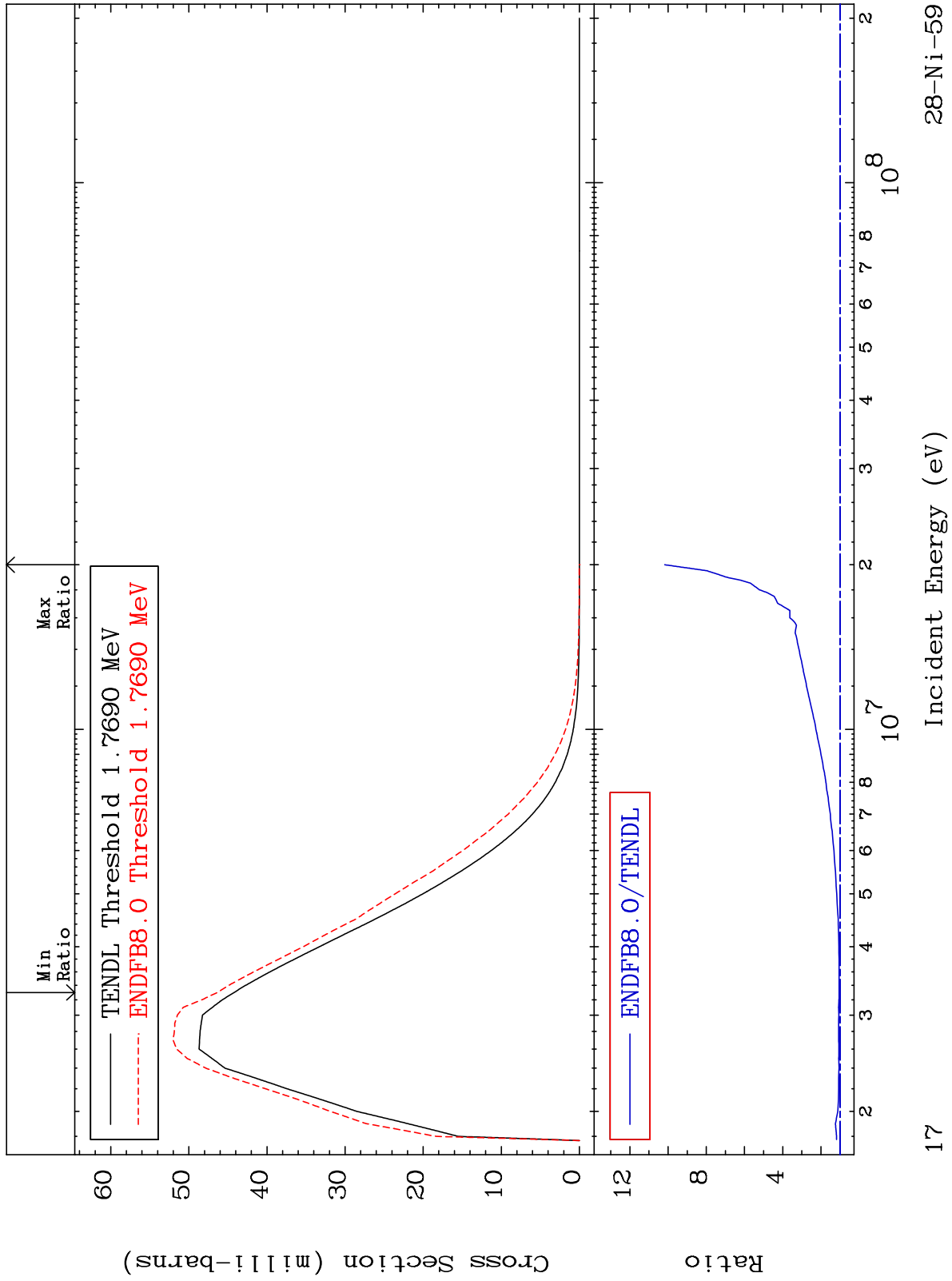
MAT 2828

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

28-Ni-59
-99.83 To -1.326%



MAT 2828 MT= 60 (n,n') Level Cross Section 28-Ni-59
 4.815 To 917.6 %

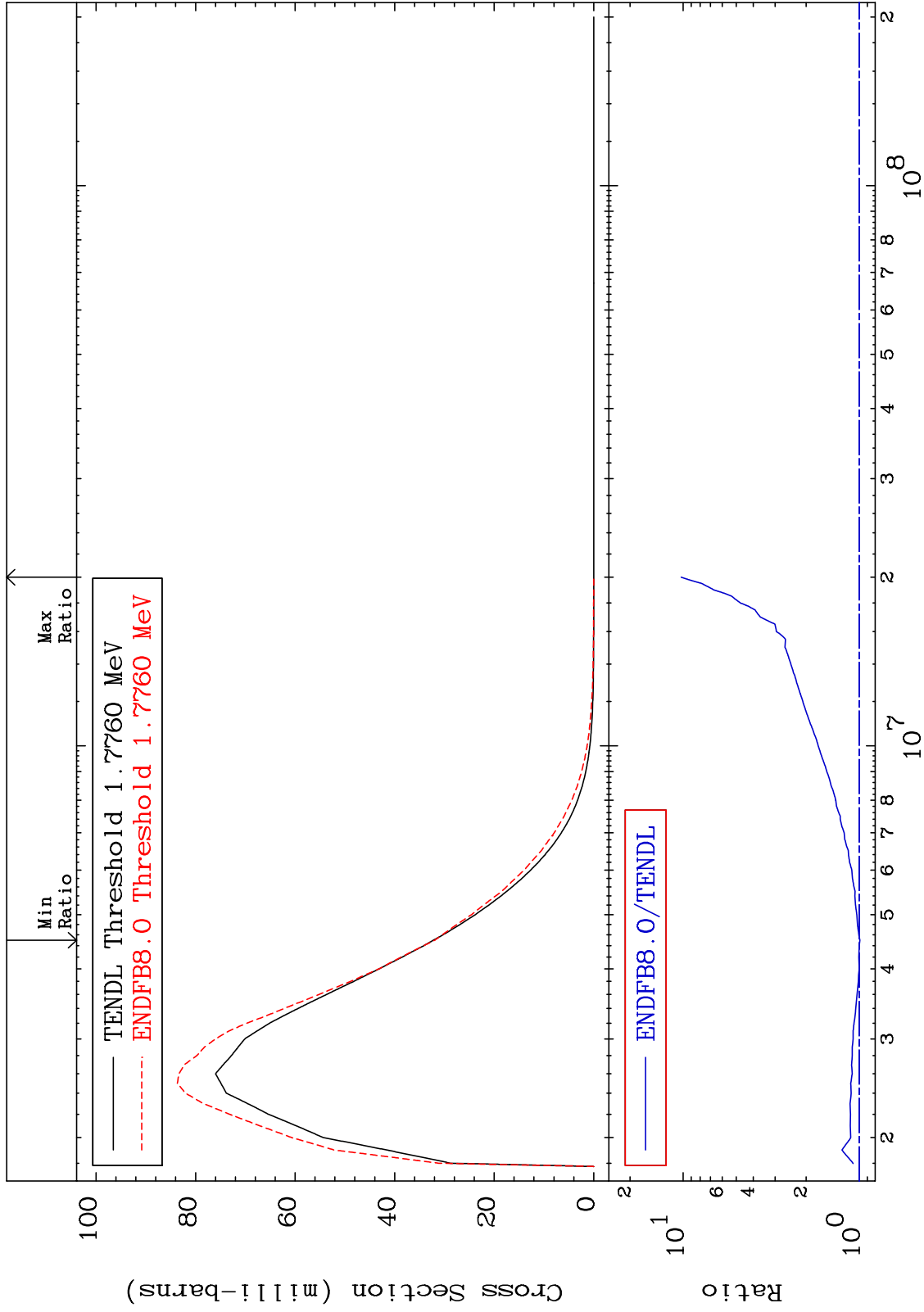


17 28-Ni-59

MAT 2828

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

28-Ni-59
-0.919 To 924.8 %

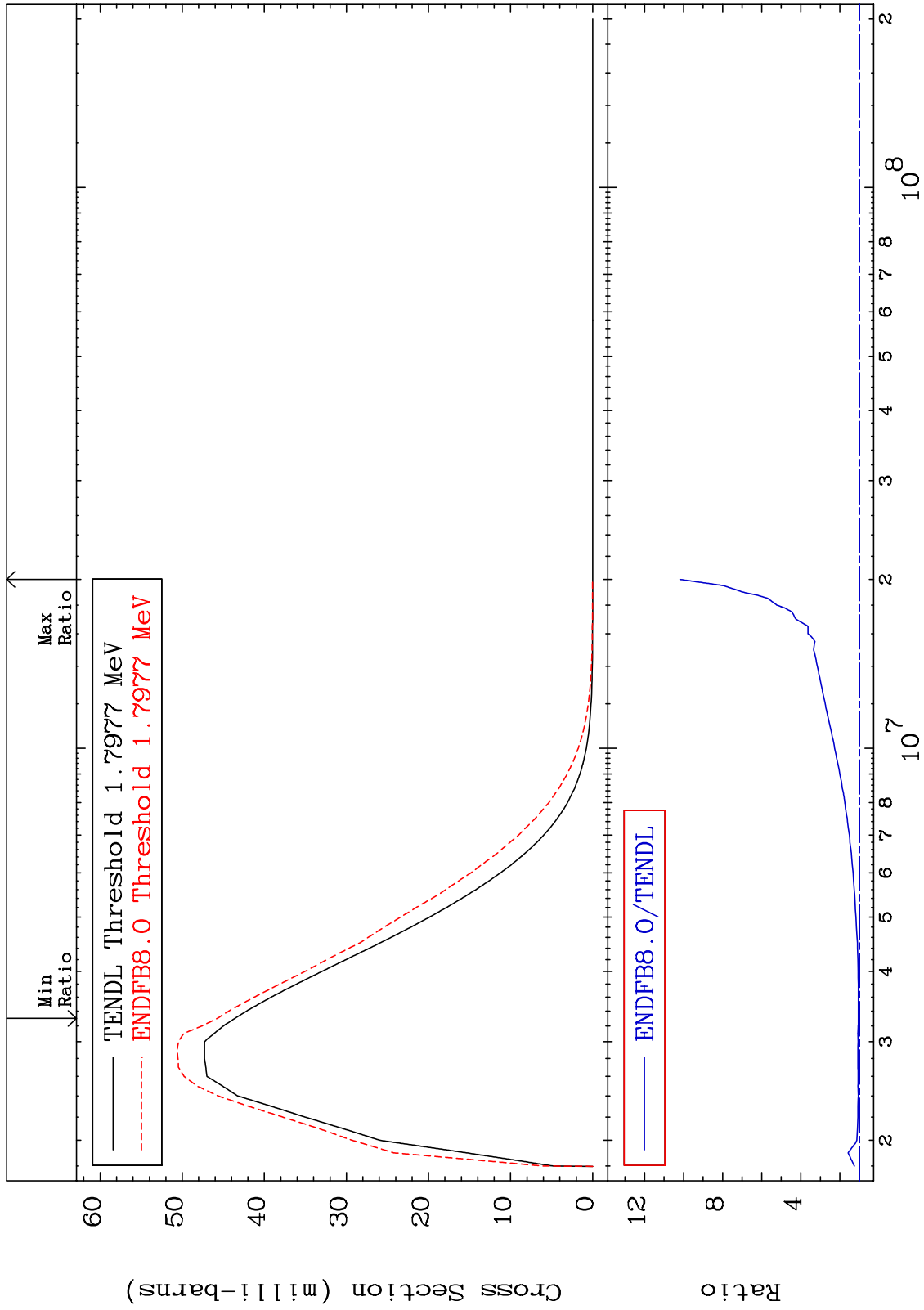


18

Incident Energy (eV)

28-Ni-59

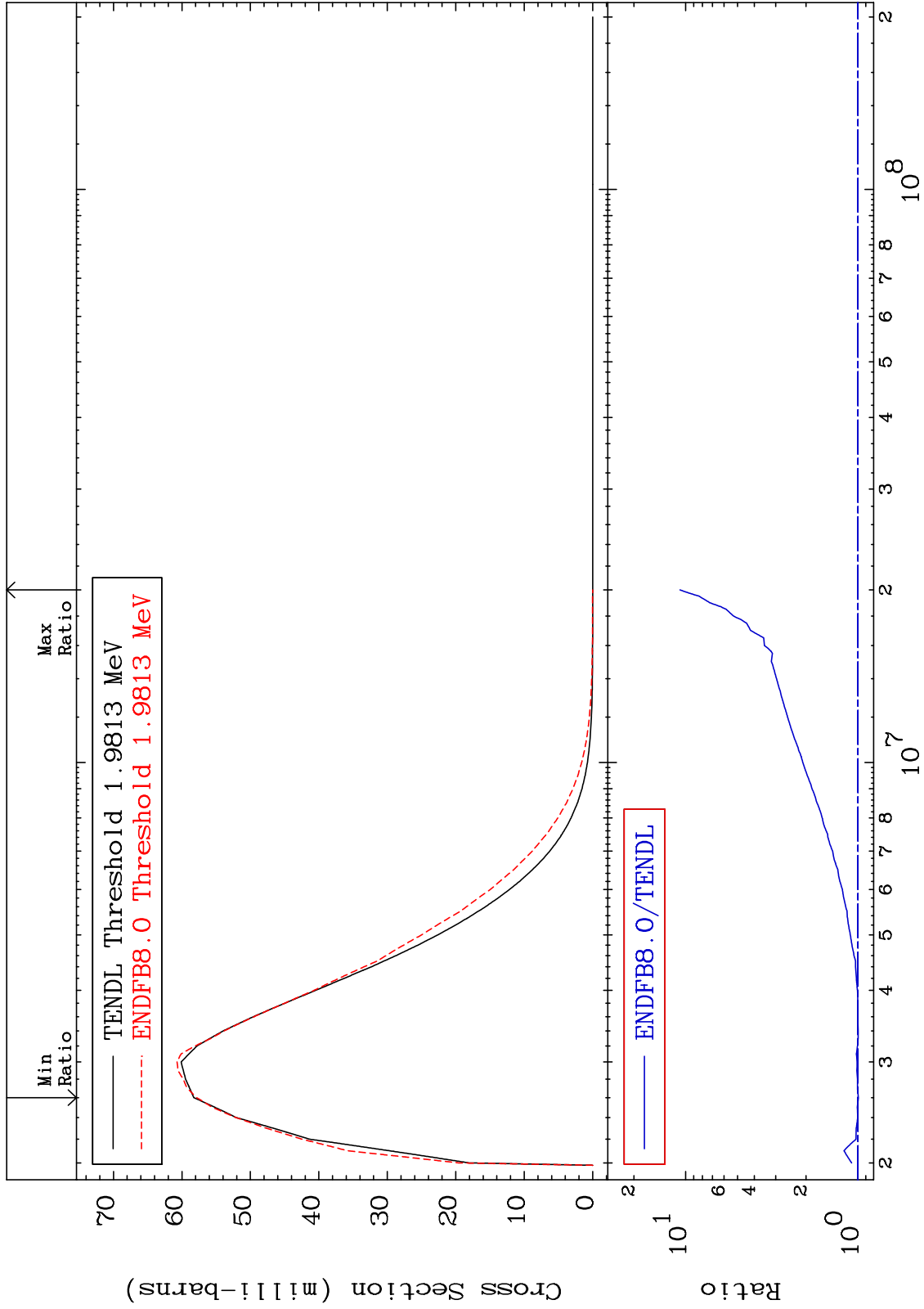
MAT 2828 MT= 62 (n,n') Level Cross Section 28-Ni-59
4.892 To 918.4 %



MAT 2828

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

28-Ni-59
-0.728 To 979.4 %



20

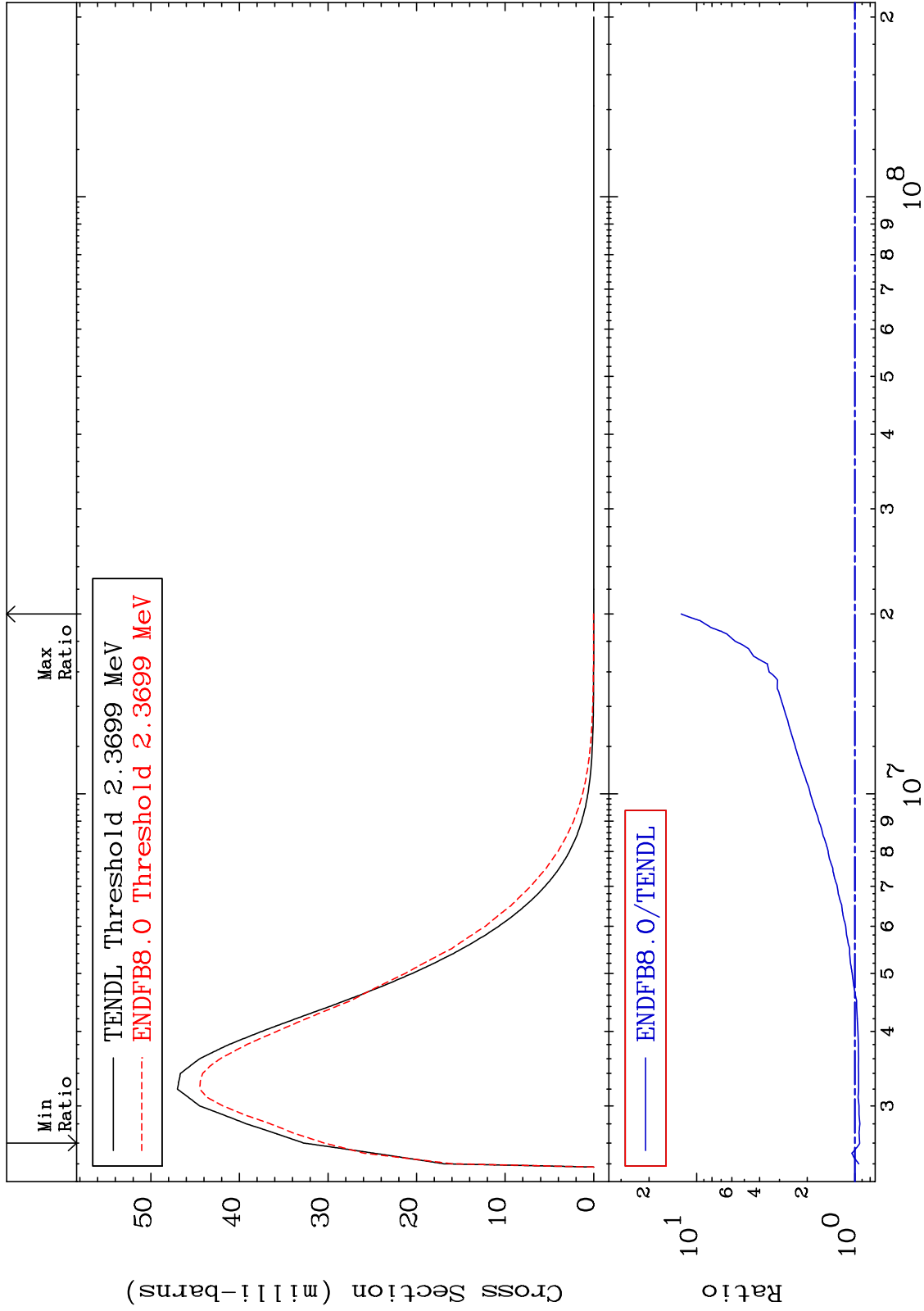
Incident Energy (eV)

28-Ni-59

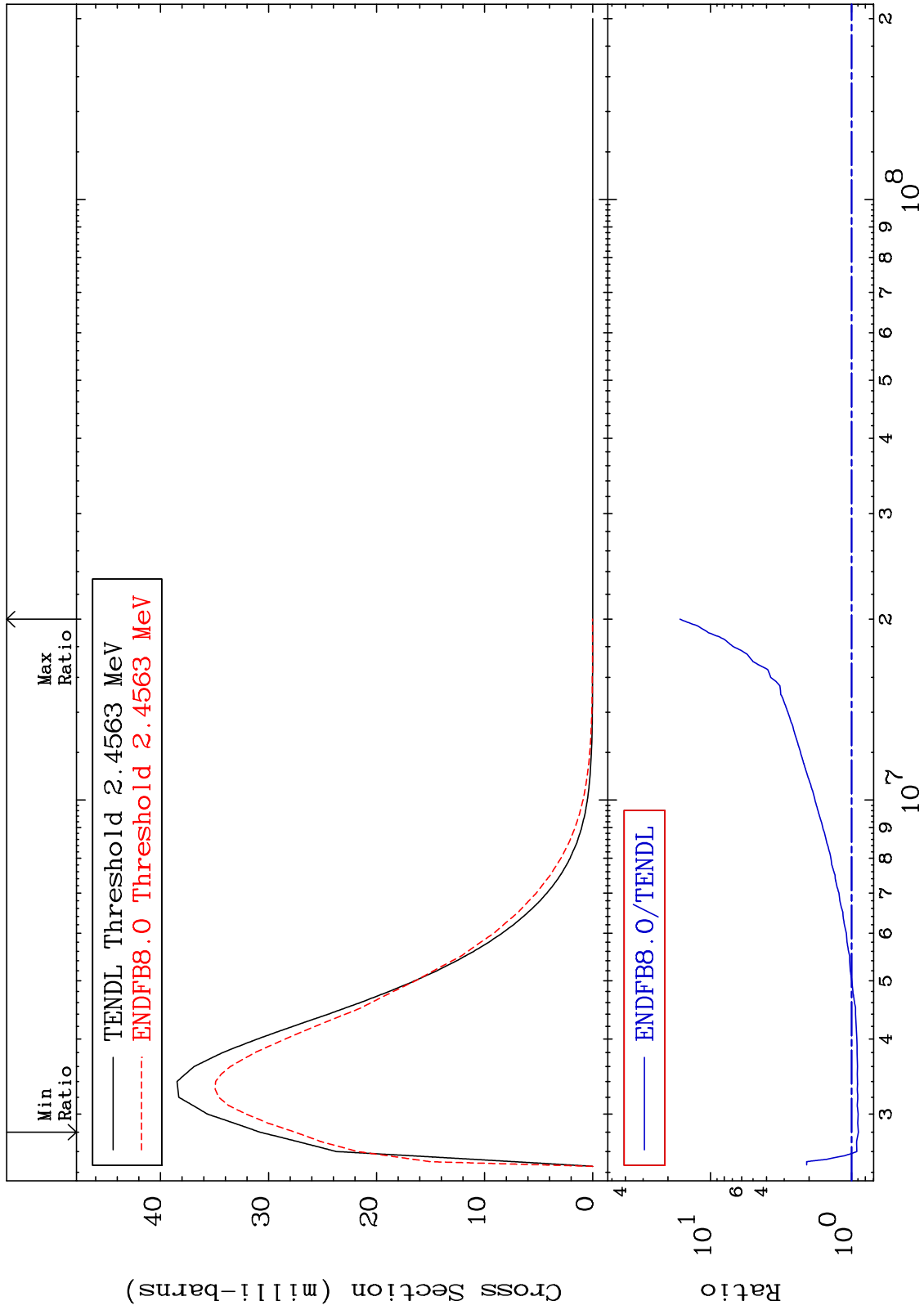
MAT 2828

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

28-Ni-59
-7.104 To 1152. %



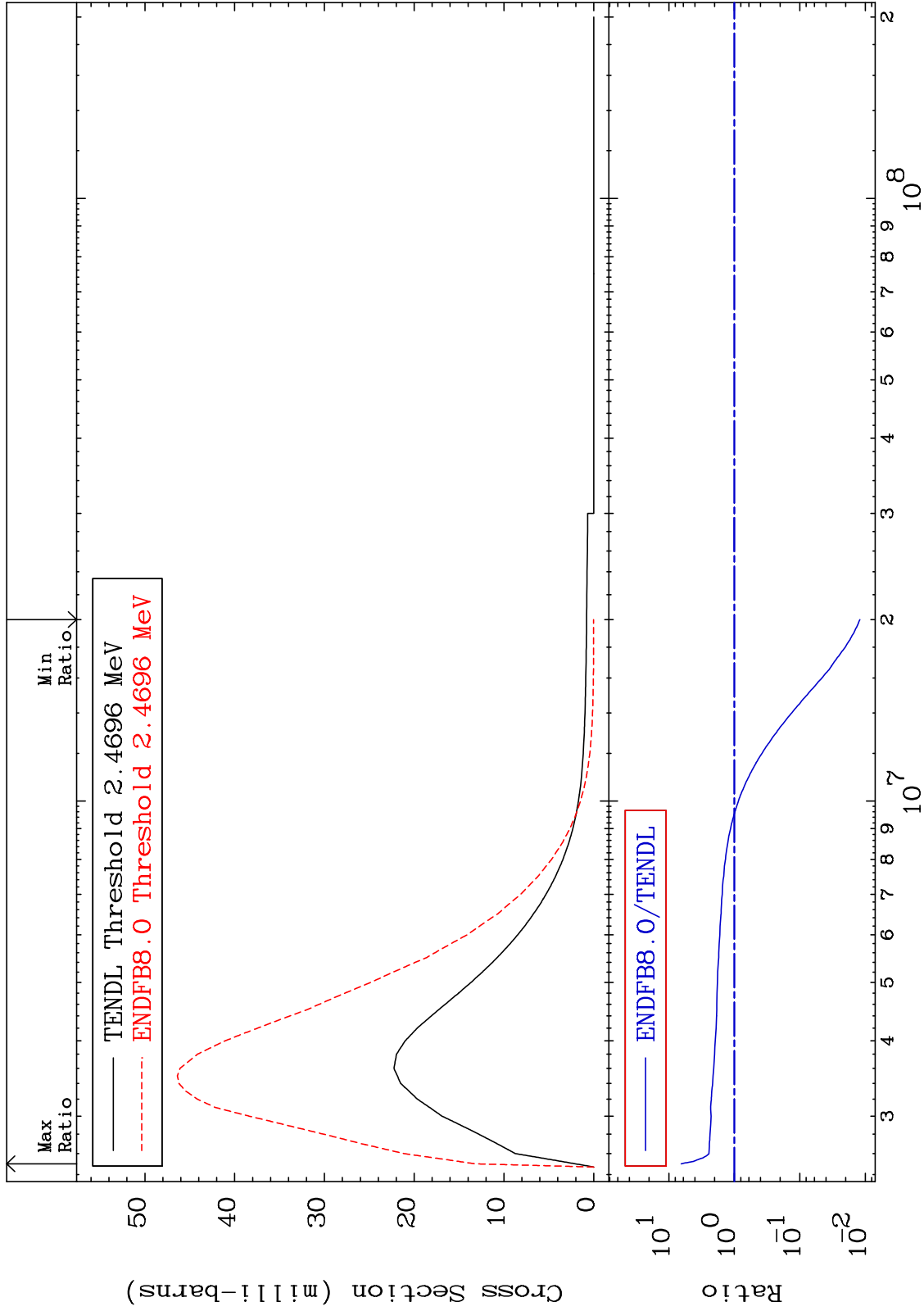
MAT 2828 MT= 65 (n,n') Level Cross Section 28-Ni-59
 -10.57 To 1543. %



MAT 2828

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

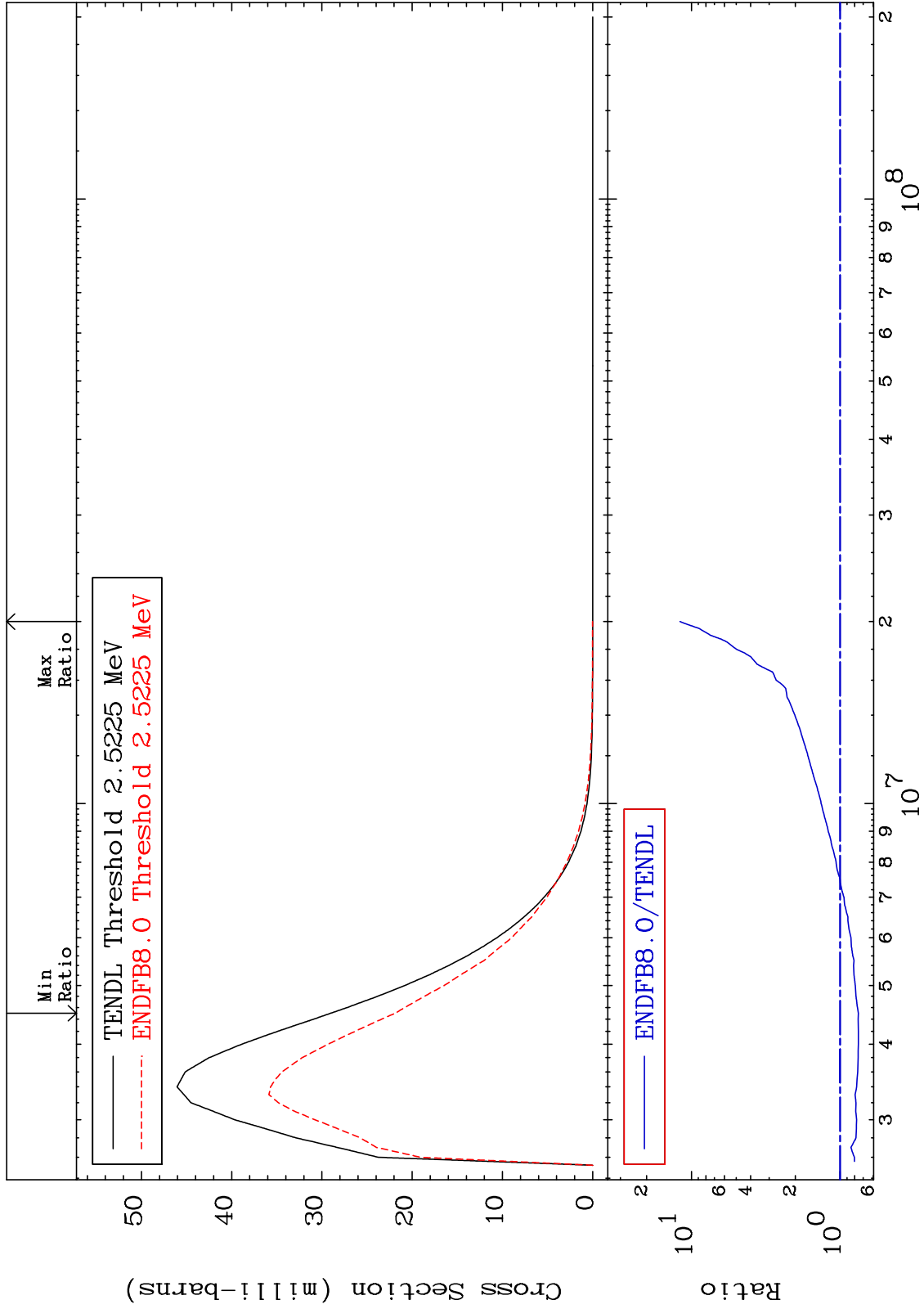
28-Ni-59
-98.79 To 547.1 %



MAT 2828

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

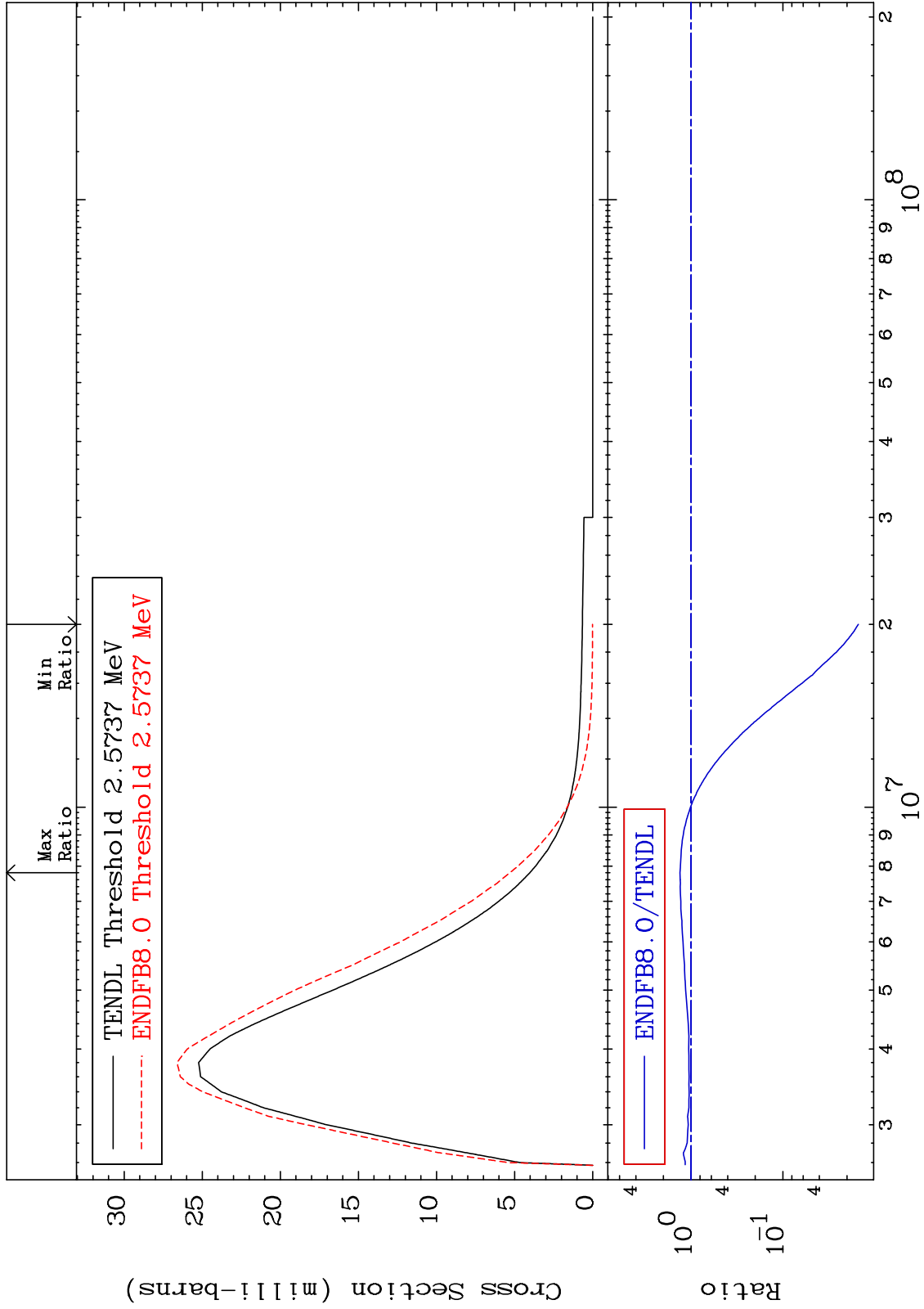
28-Ni-59
-24.63 To 1093. %



MAT 2828

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

28-Ni-59
-98.50 To 31.95 %



25

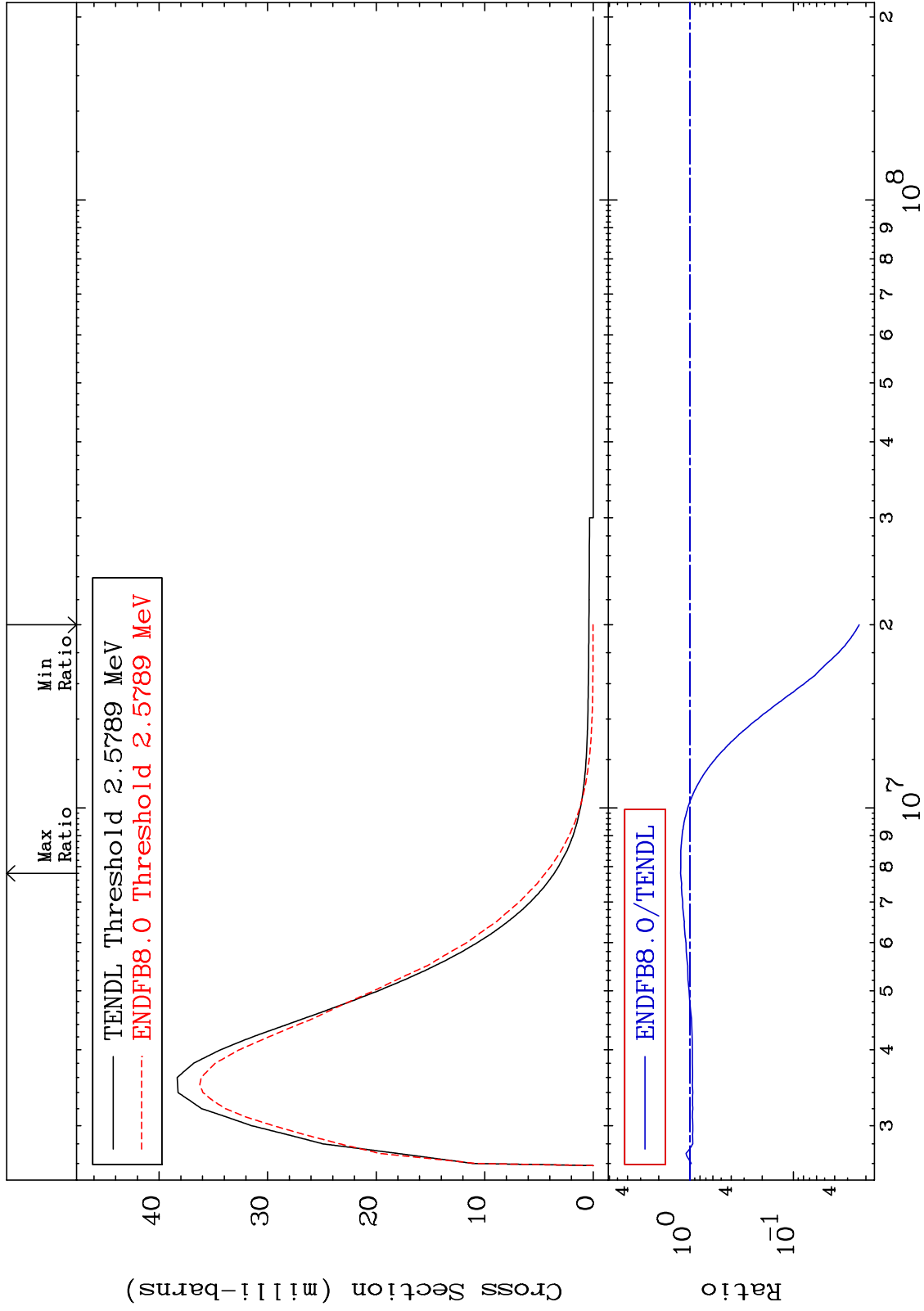
Incident Energy (eV)

28-Ni-59

MAT 2828

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

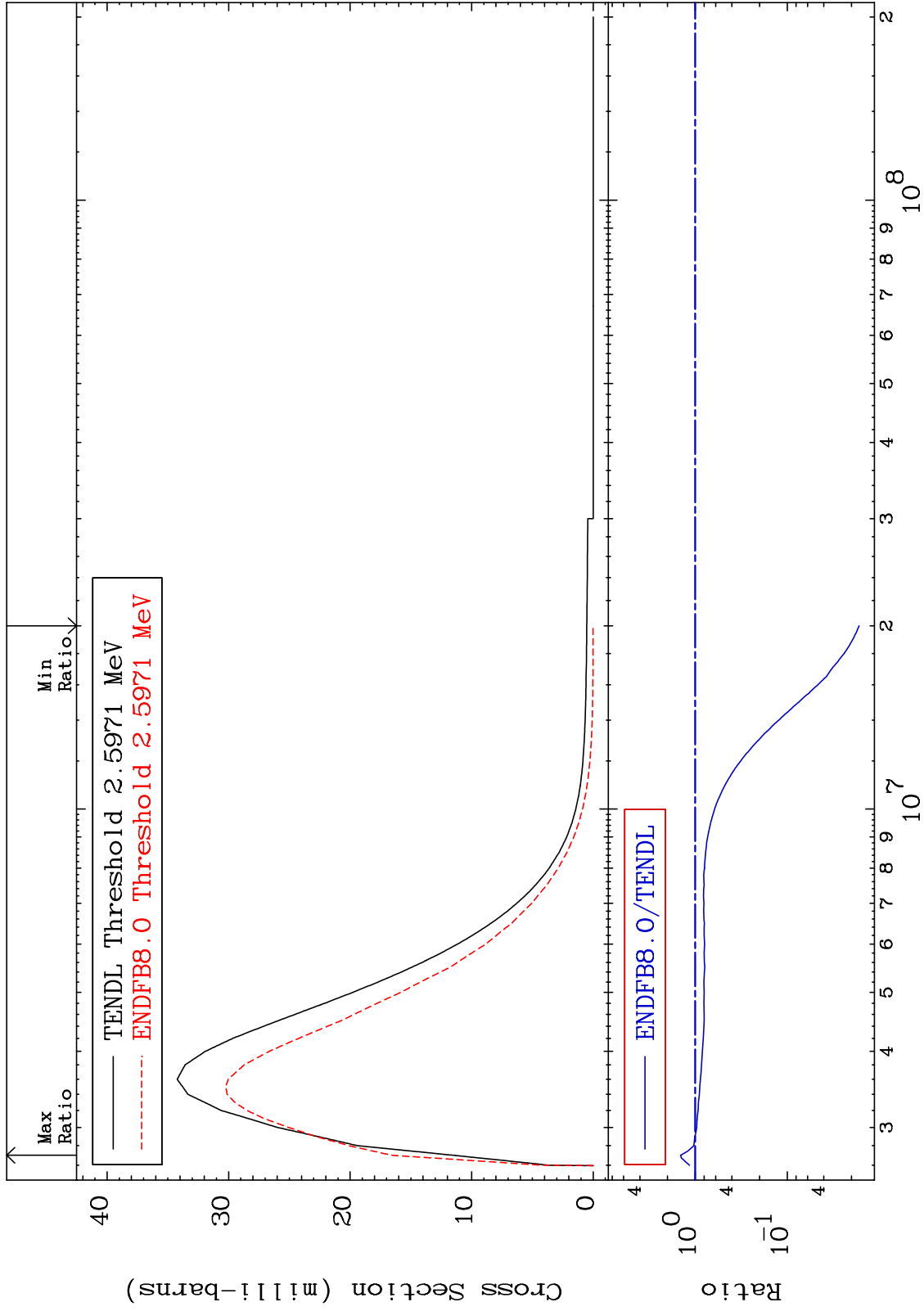
28-Ni-59
-97.68 To 22.95 %



MAT 2828

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

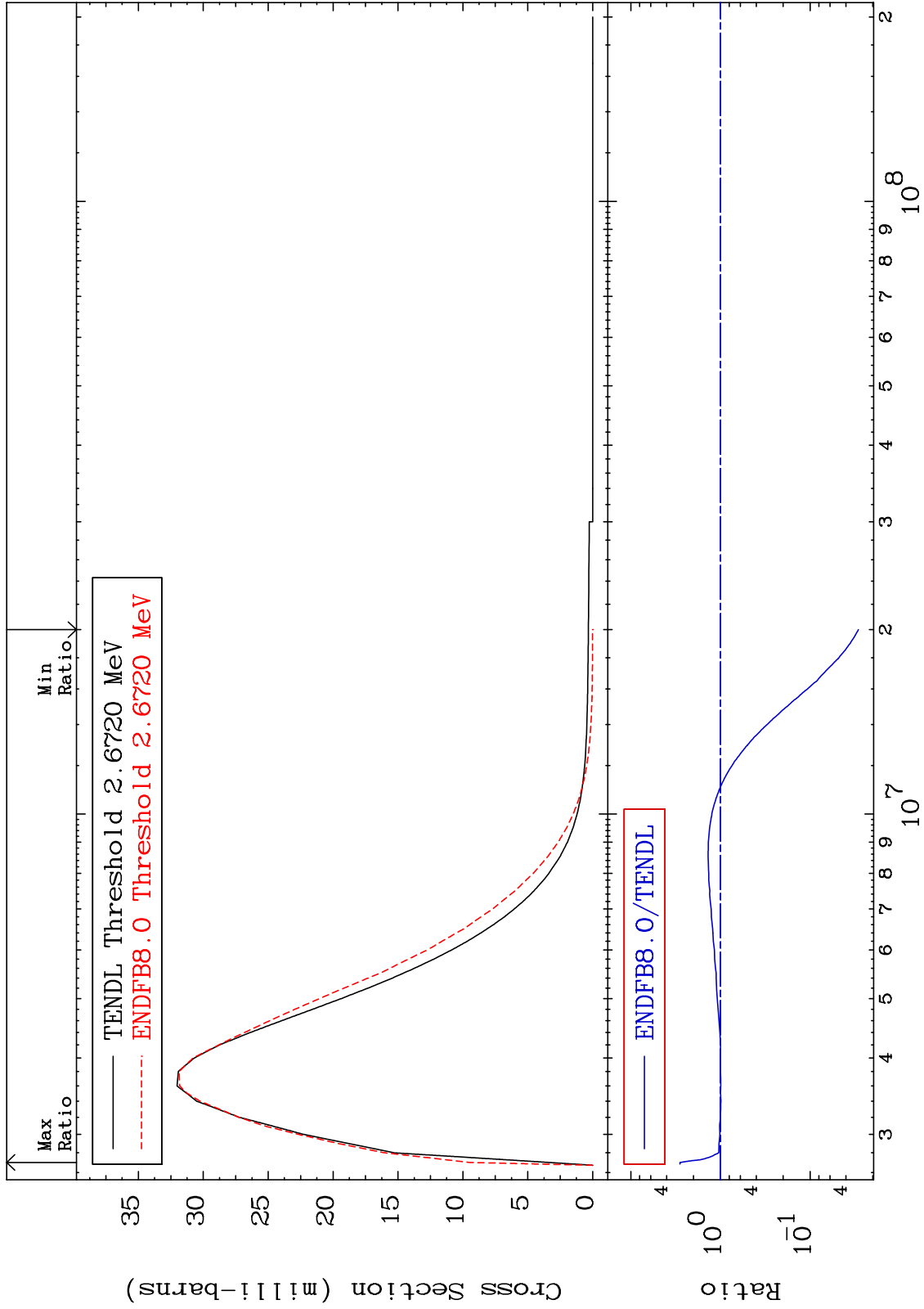
28-Ni-59
-98.35 To 44.17 %



MAT 2828

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

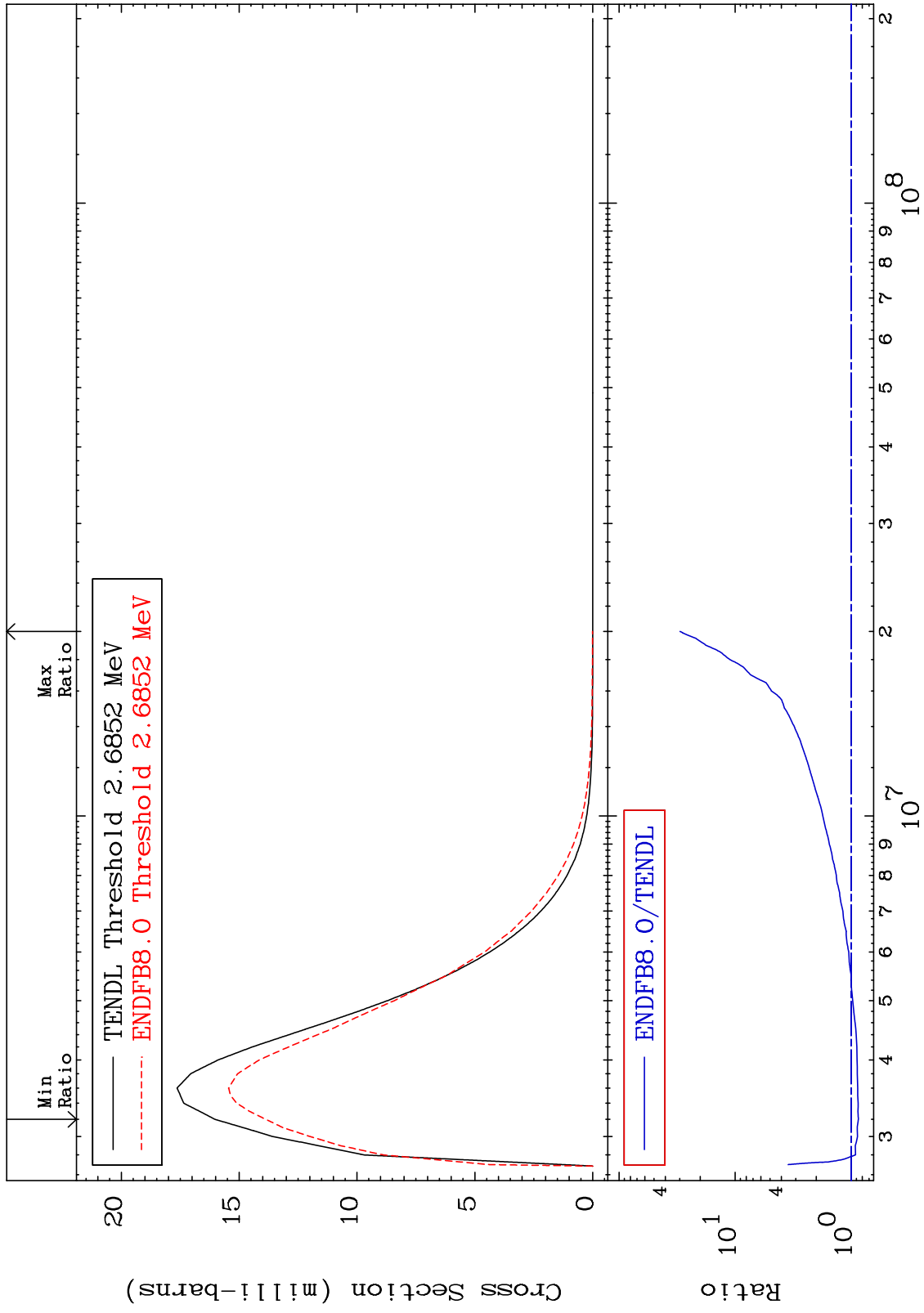
28-Ni-59
-97.10 To 183.0 %



28

28-Ni-59

MAT 2828 MT= 72 (n,n') Level Cross Section -13.47 To 2885. % 28-Ni-59



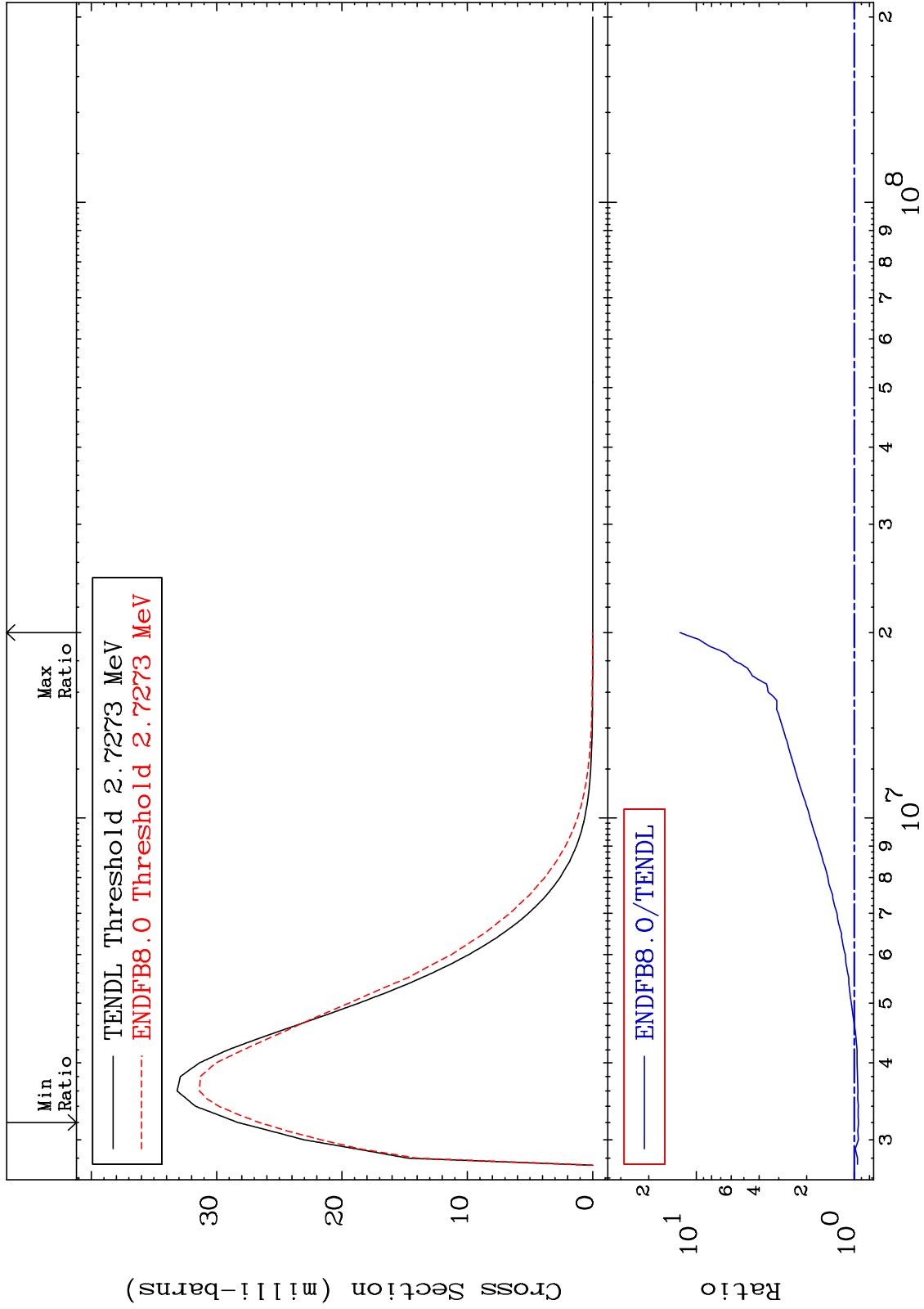
Min Ratio Max Ratio
 TENDL Threshold 2.6852 MeV
 ENDFB8.0 Threshold 2.6852 MeV

ENDFB8.0/TENDL

MAT 2828

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

28-Ni-59
-6.016 To 1167. %



30

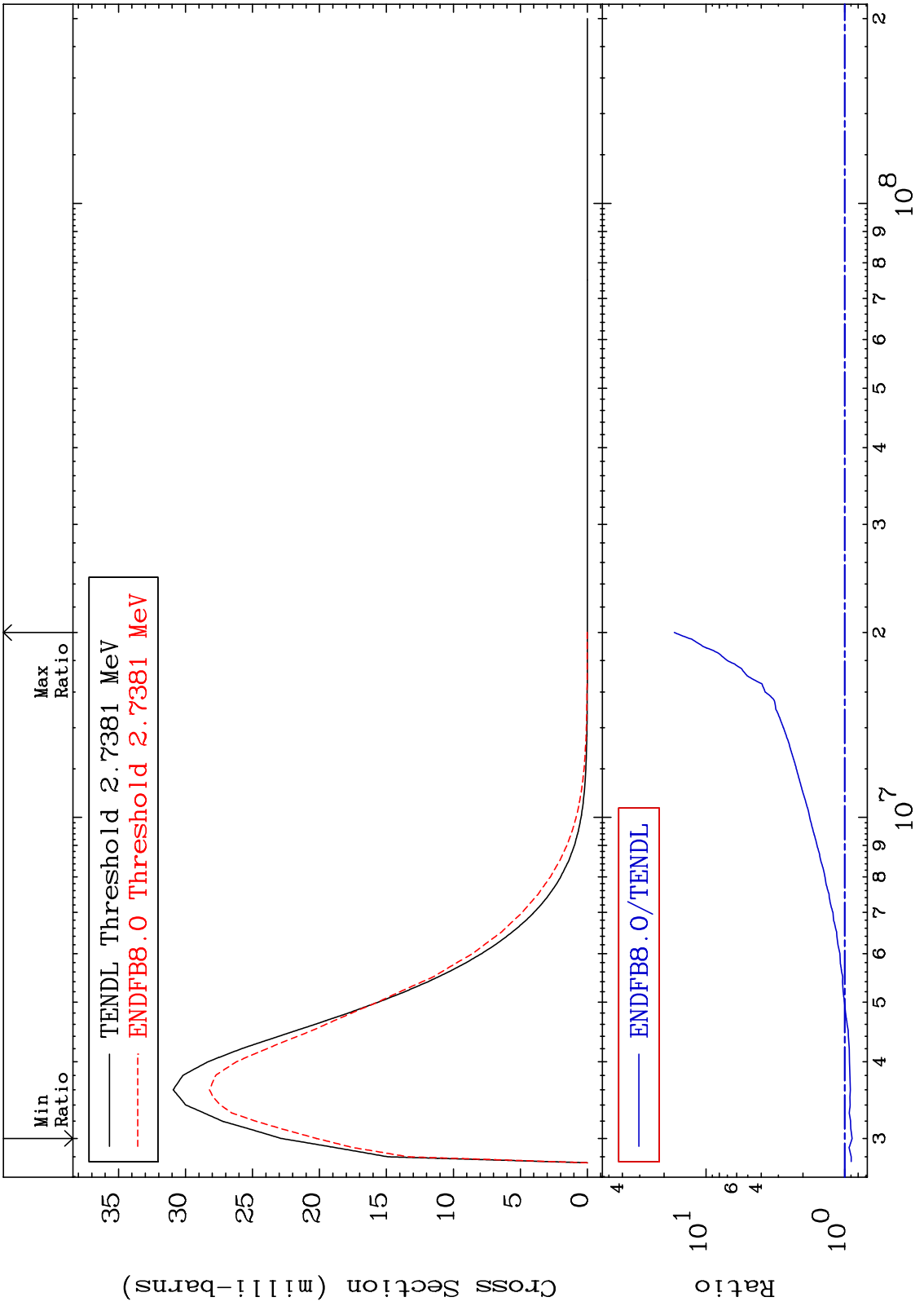
Incident Energy (eV)

28-Ni-59

MAT 2828

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

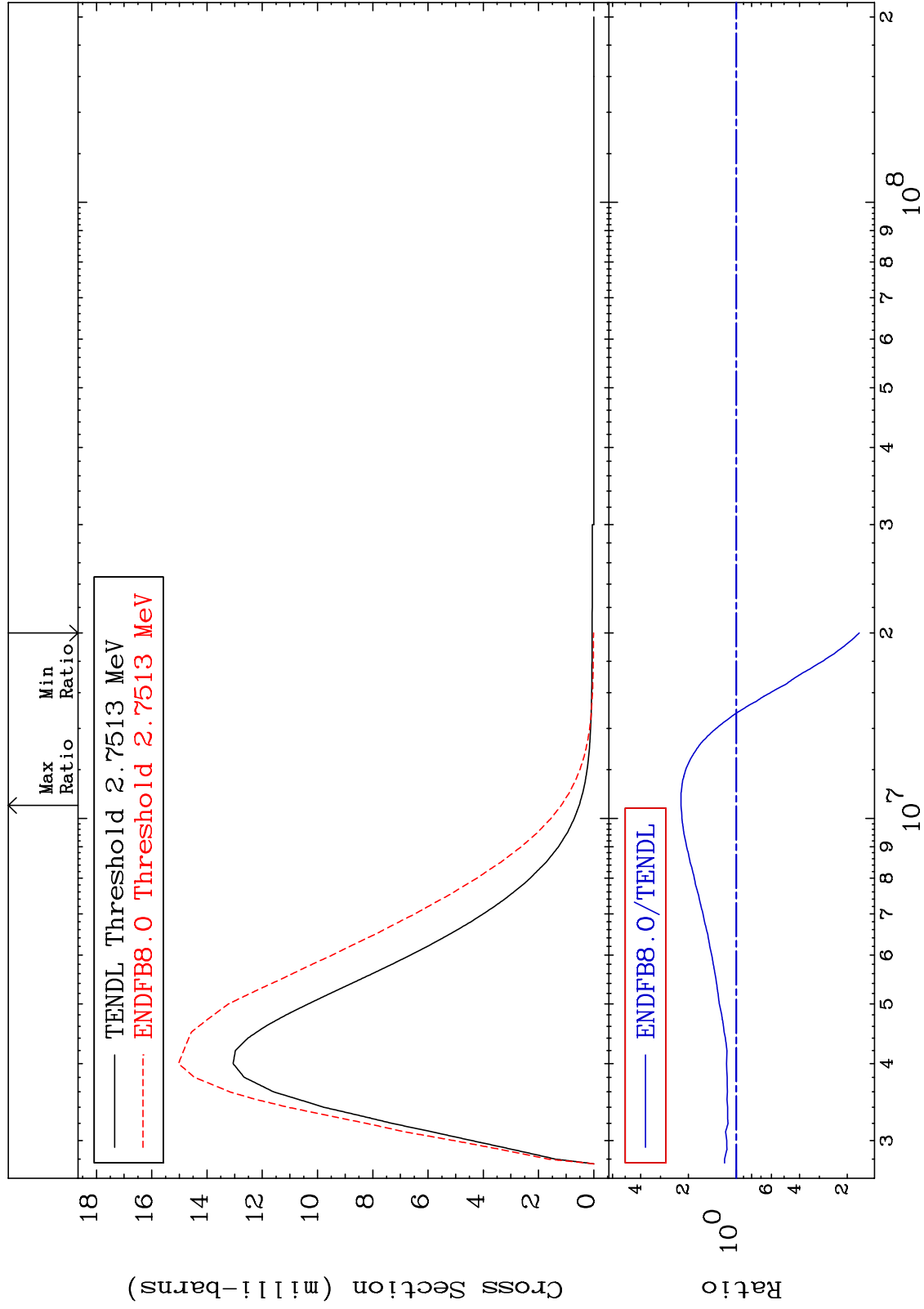
28-Ni-59
-11.58 To 1588. %



MAT 2828

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

28-Ni-59
-83.18 To 122.6 %



32

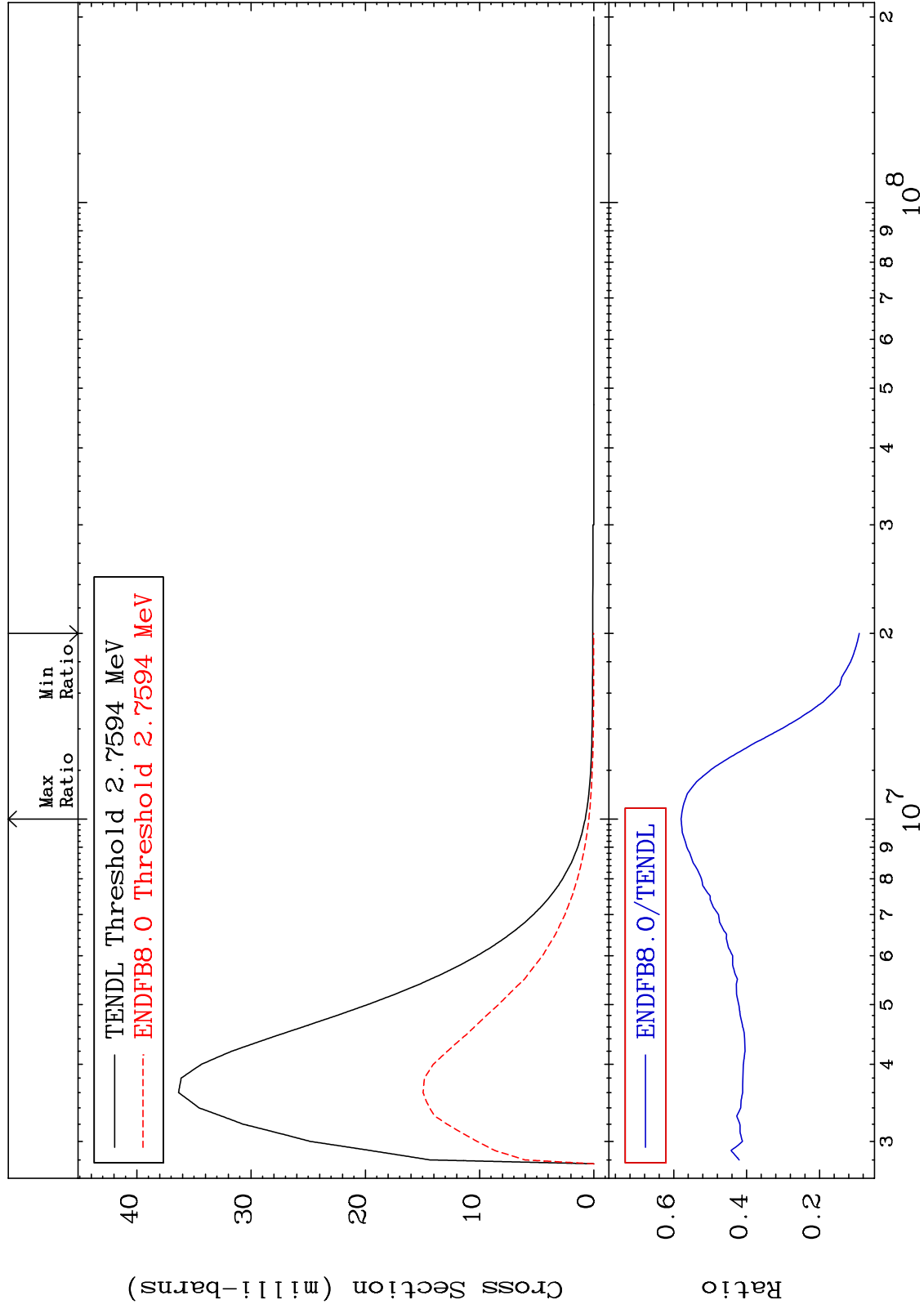
Incident Energy (eV)

28-Ni-59

MAT 2828

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

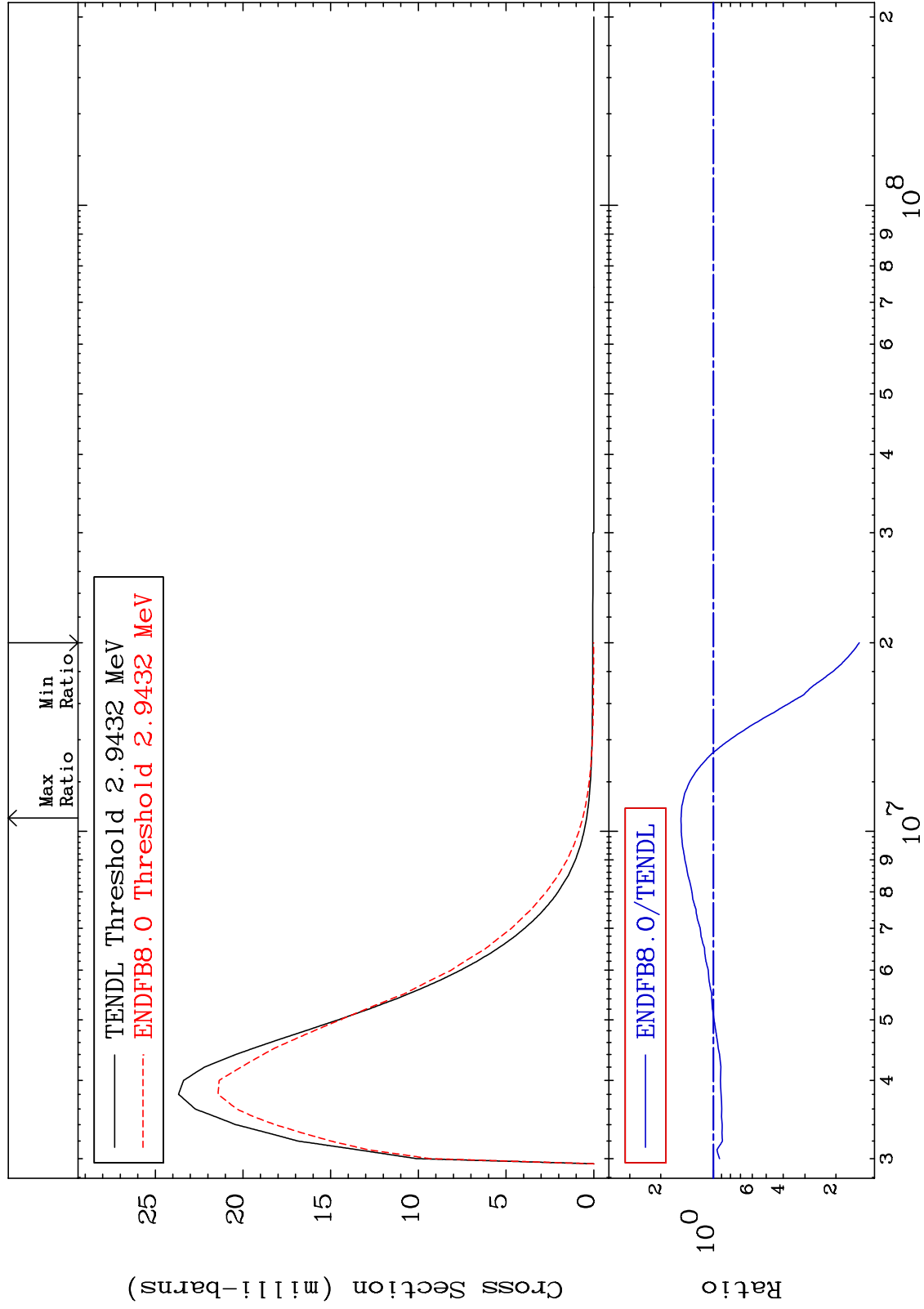
28-Ni-59
-90.91 To -42.02%



MAT 2828

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

28-Ni-59
-85.29 To 53.07 %



34

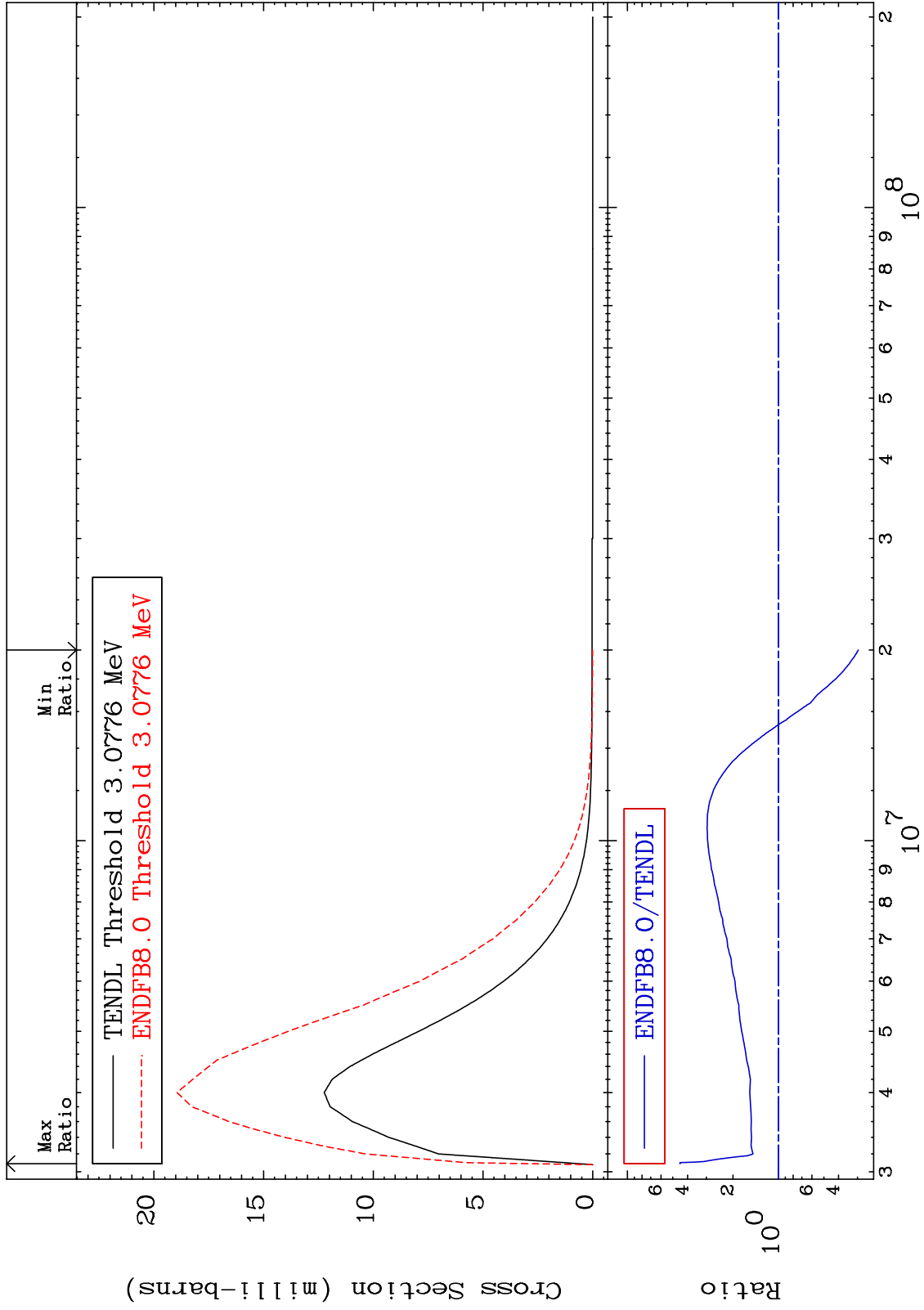
Incident Energy (eV)

28-Ni-59

MAT 2828

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

28-Ni-59
-70.41 To 348.2 %



35

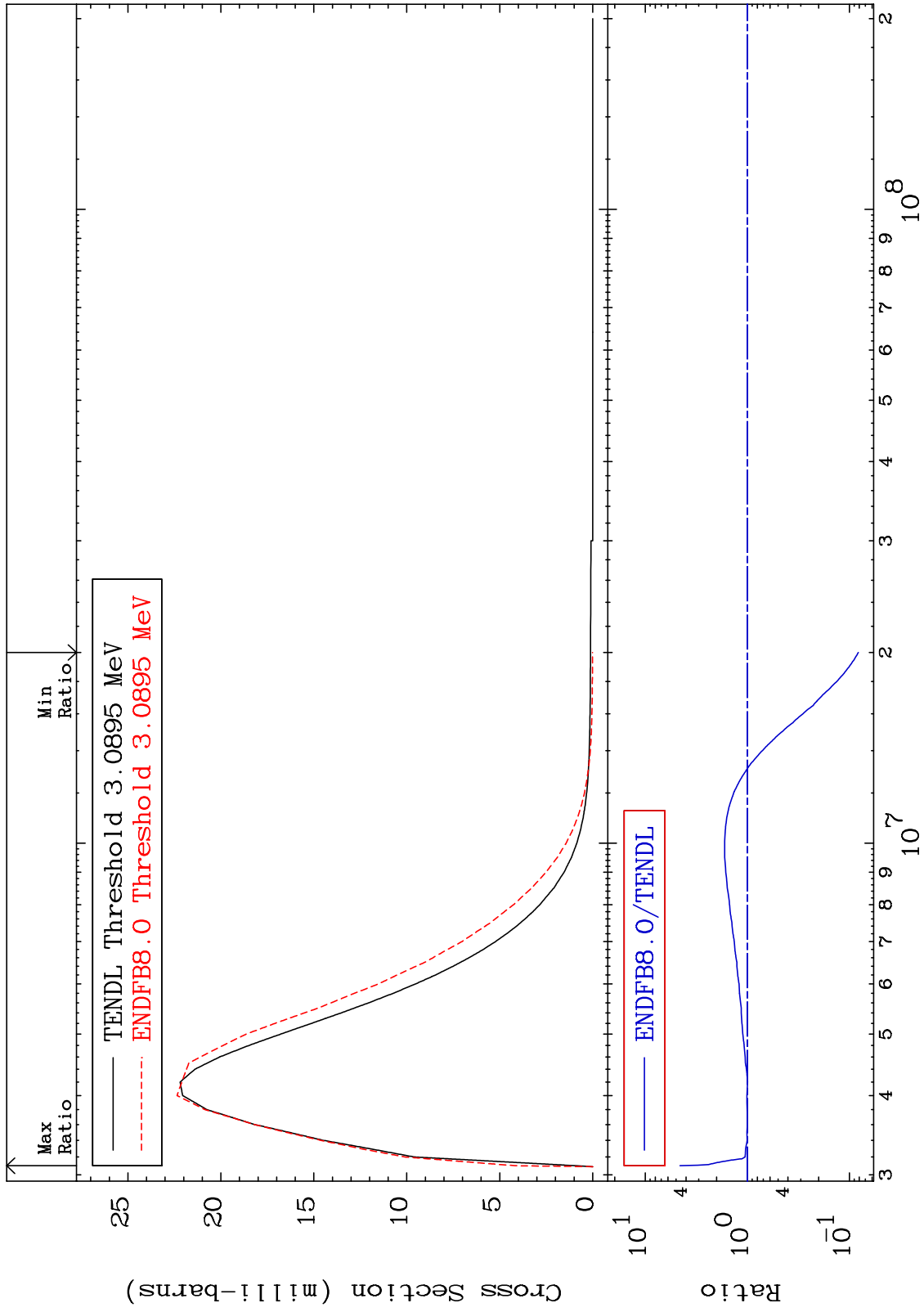
Incident Energy (eV)

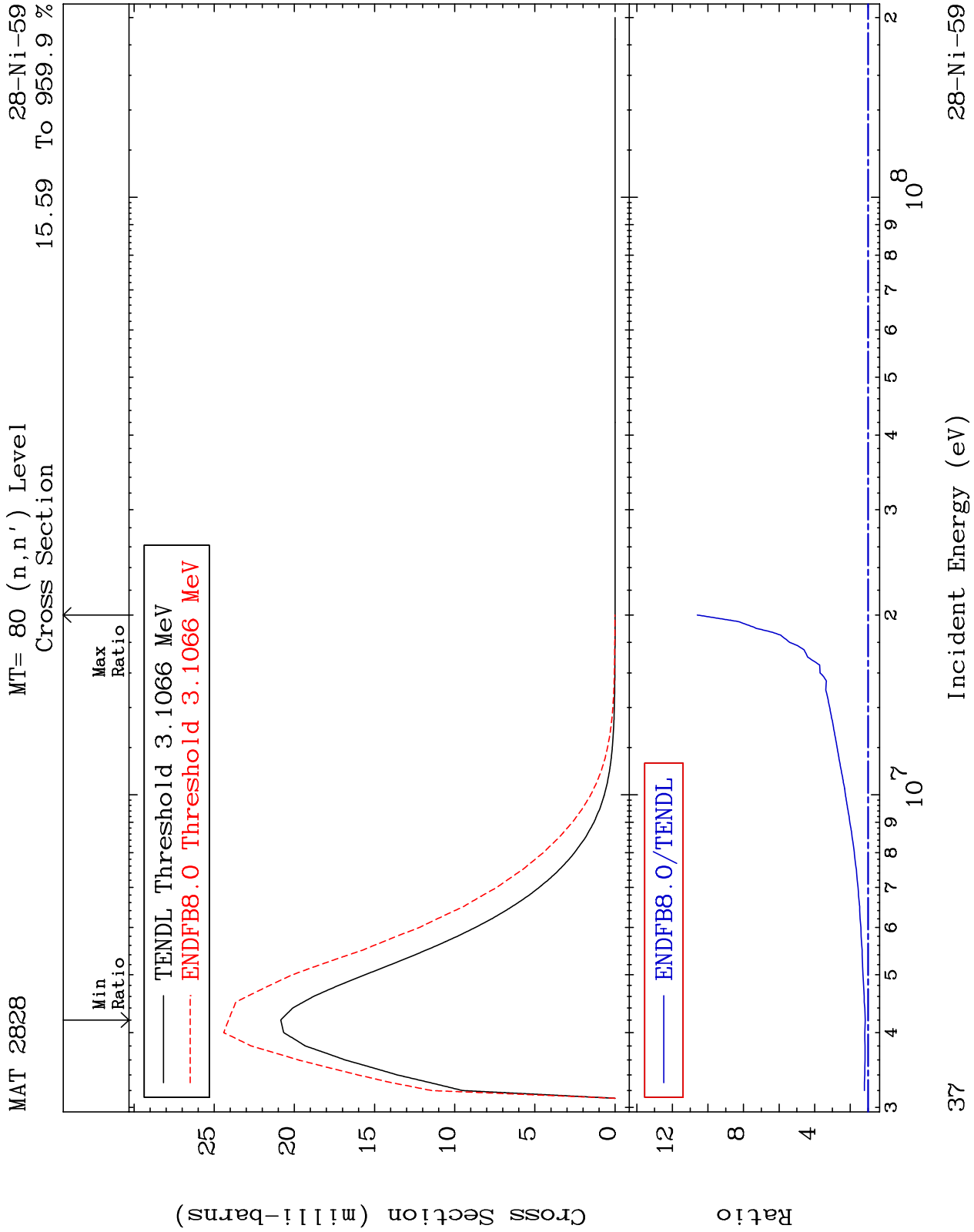
28-Ni-59

MAT 2828

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

28-Ni-59
-91.83 To 357.4 %

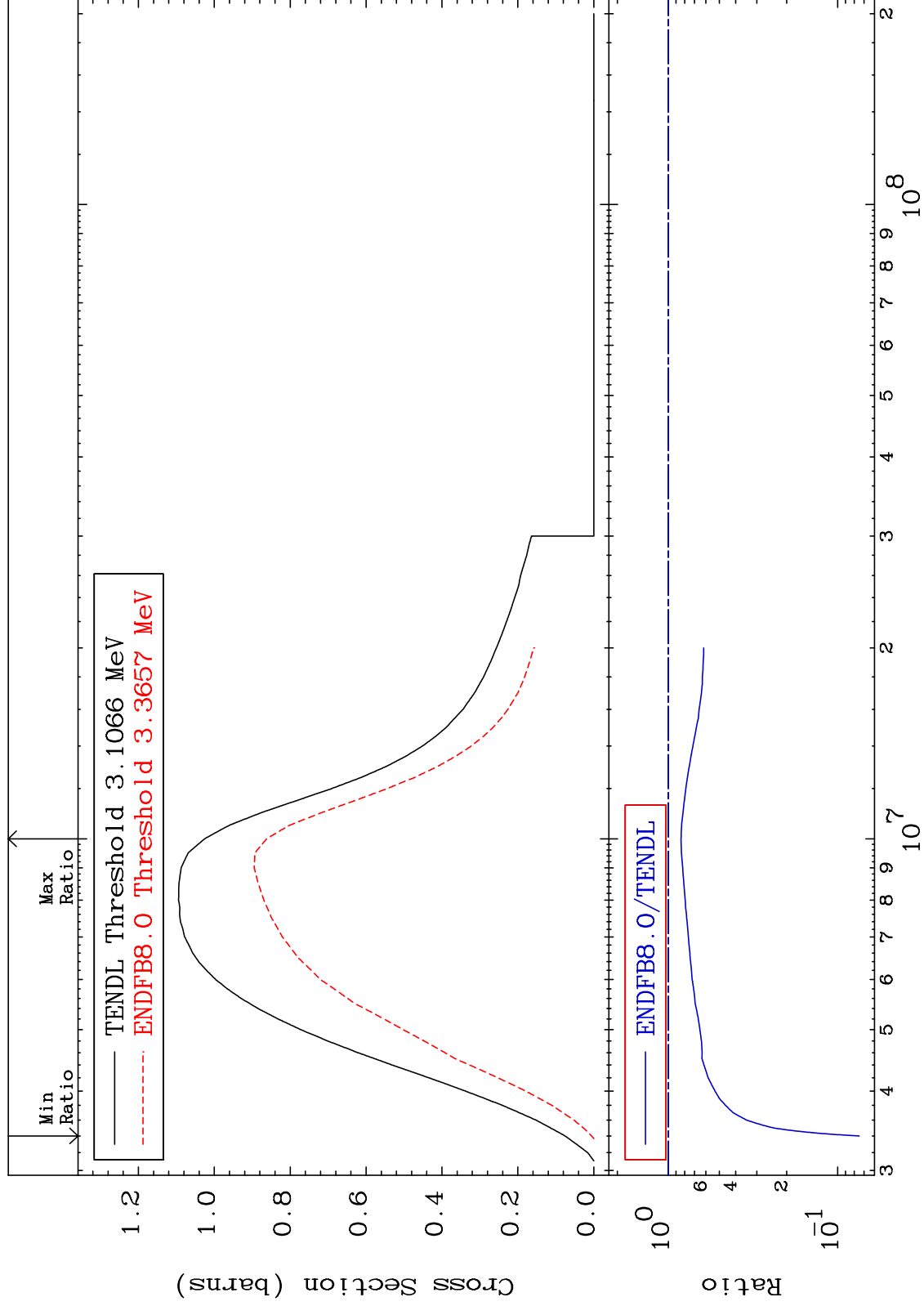




MAT 2828

(n,n') Continuum
Cross Section

28-Ni-59
-92.54 To -15.95%



38

Incident Energy (eV)

28-Ni-59

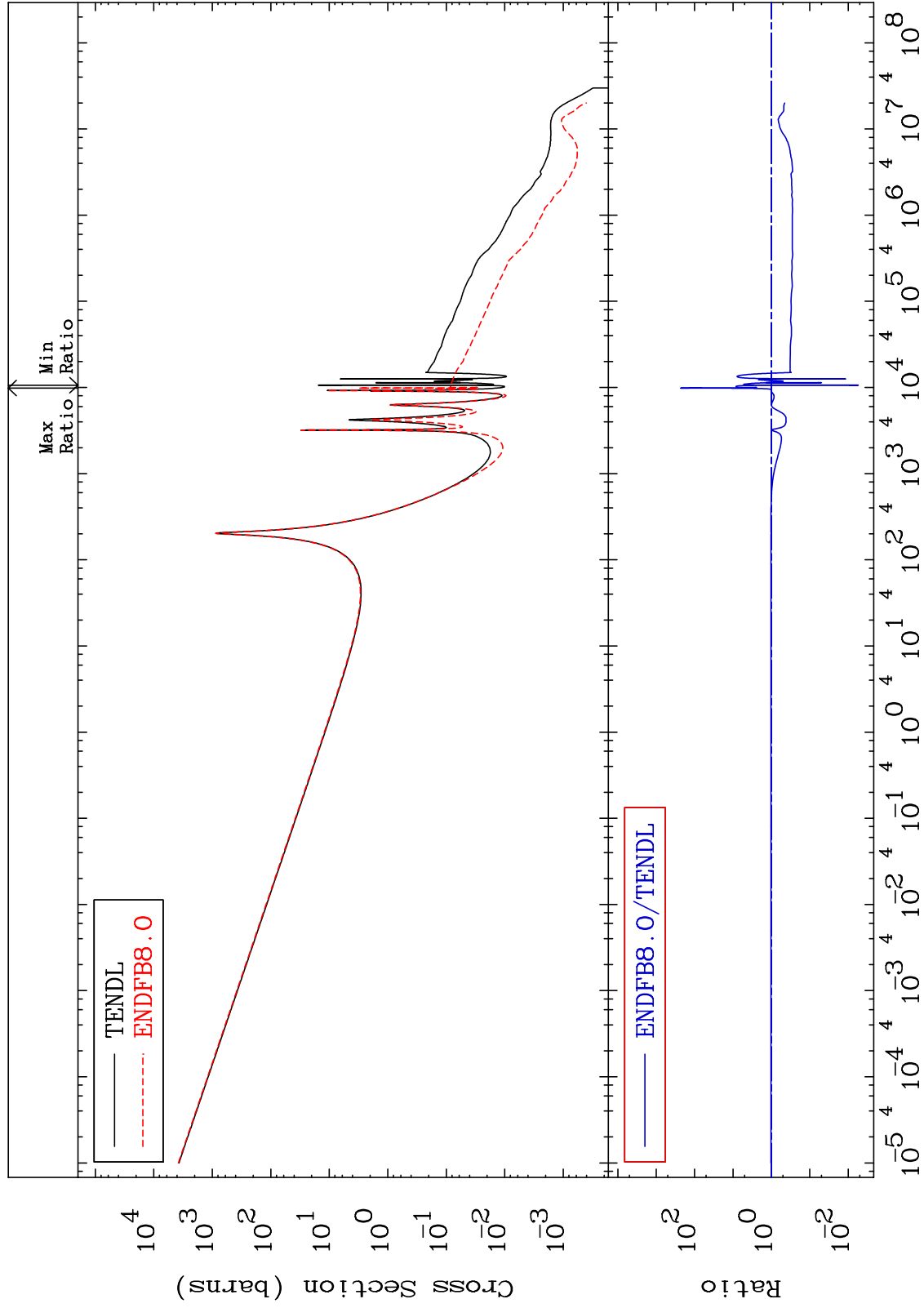
MAT 2828

(n, γ)

28-Ni-59

Cross Section

-99.46 To 9999. %



39

Incident Energy (eV)

28-Ni-59

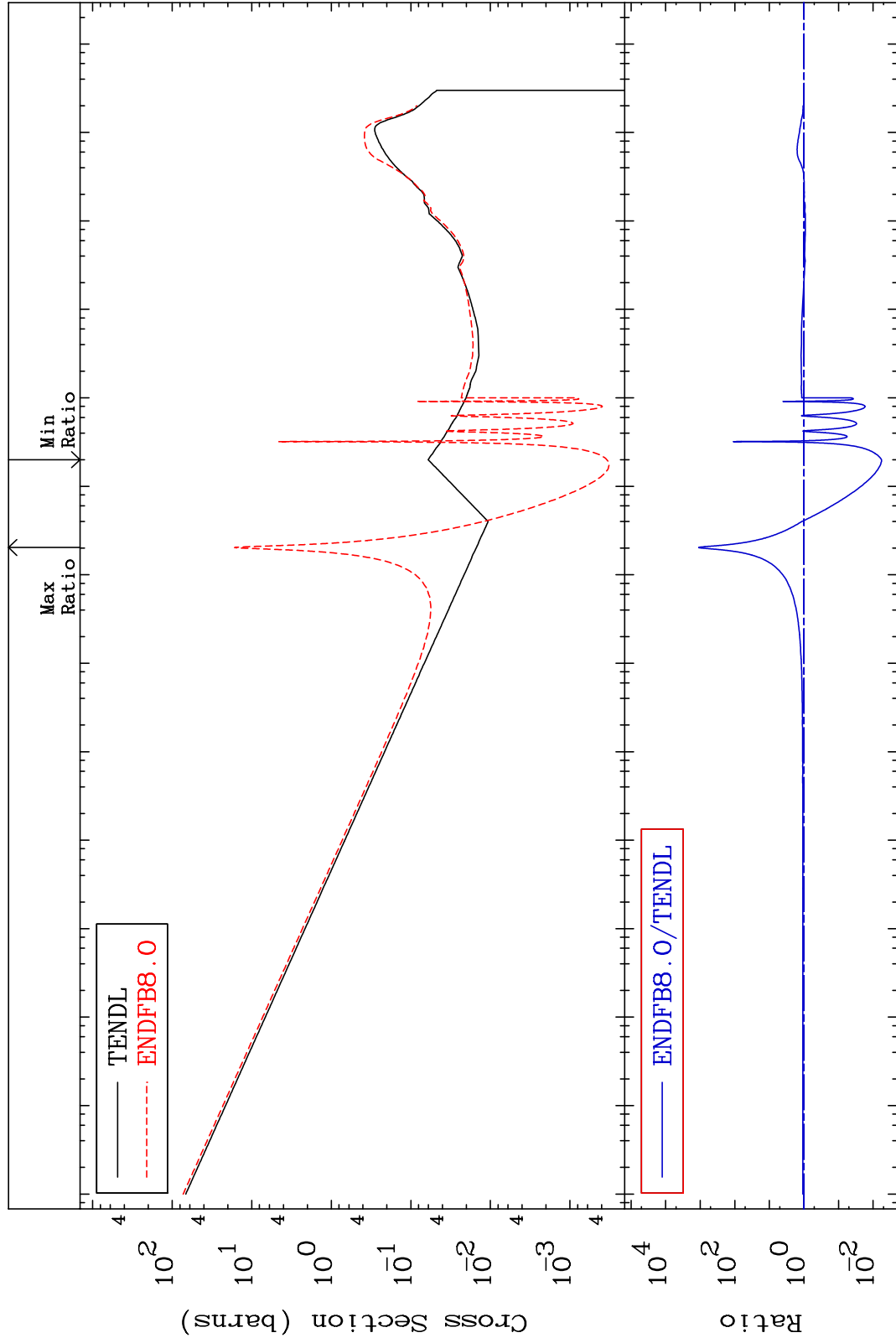
MAT 2828

(n, p)

28-Ni-59

-99.43 To 9999. %

Cross Section



40

Incident Energy (eV)

28-Ni-59

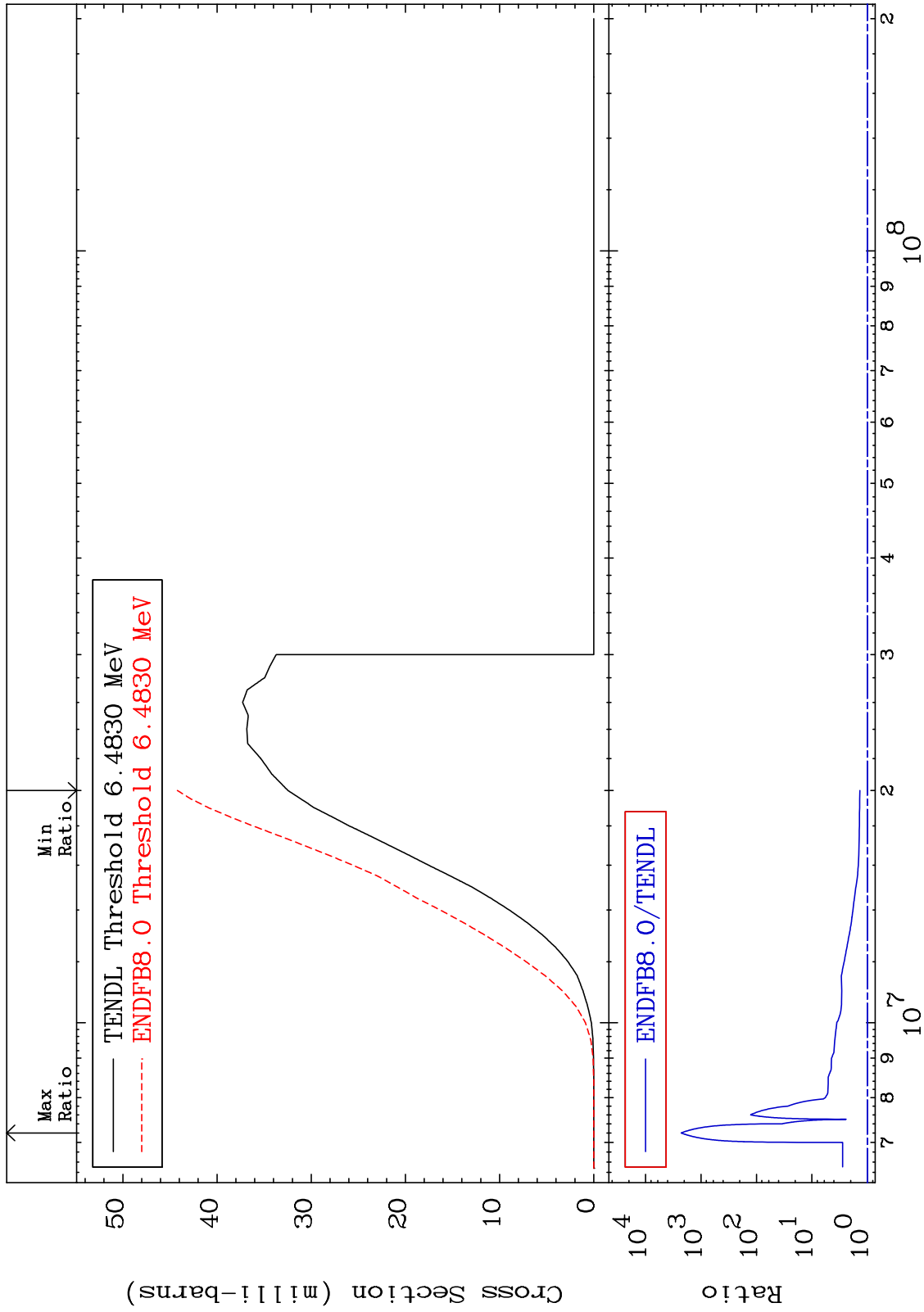
MAT 2828

(n,d)

28-Ni-59

Cross Section

36.14 To 9999. %



41

Incident Energy (eV)

28-Ni-59

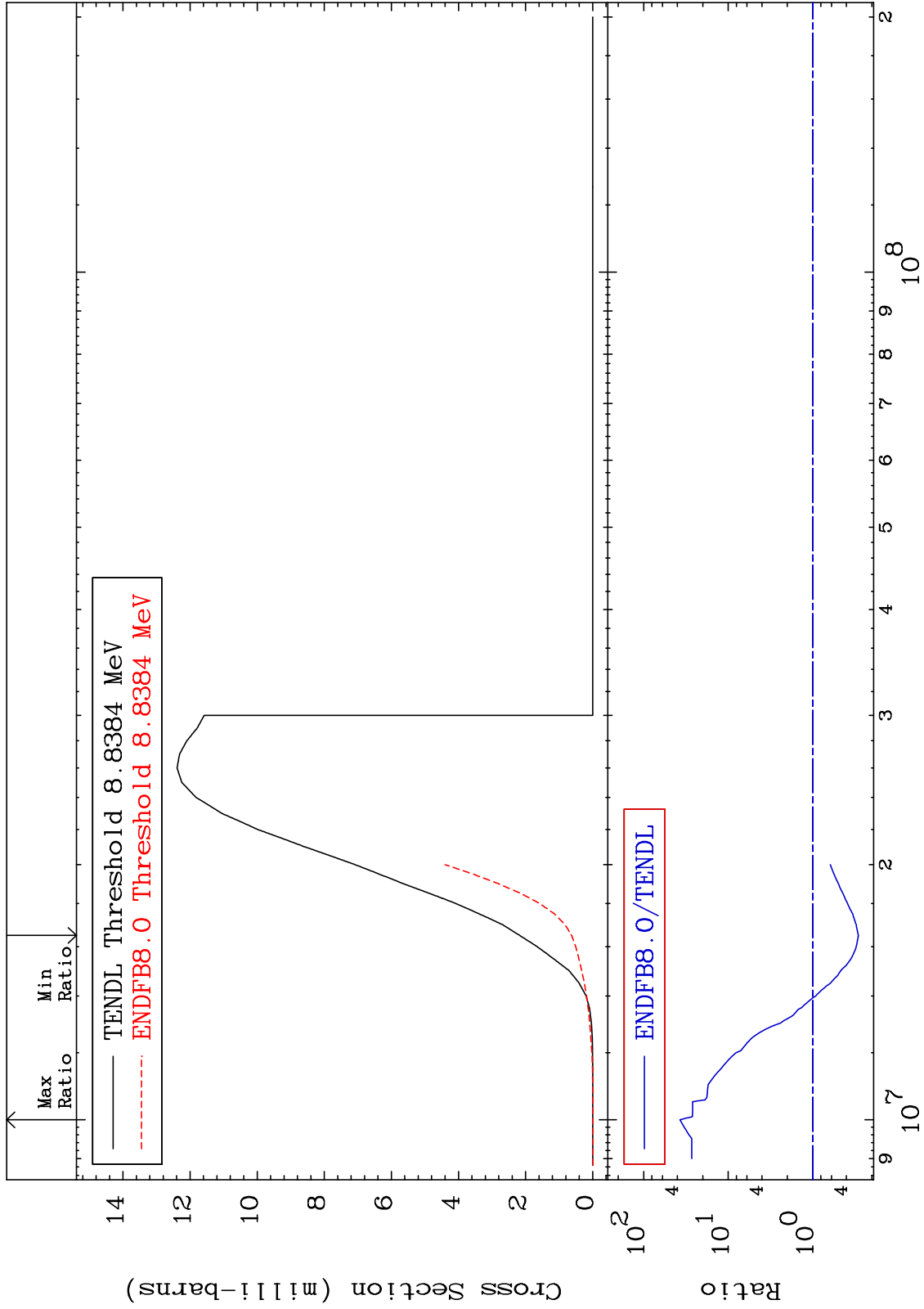
MAT 2828

(n, t)

28-Ni-59

Cross Section

-71.17 To 3621. %



42

Incident Energy (eV)

28-Ni-59

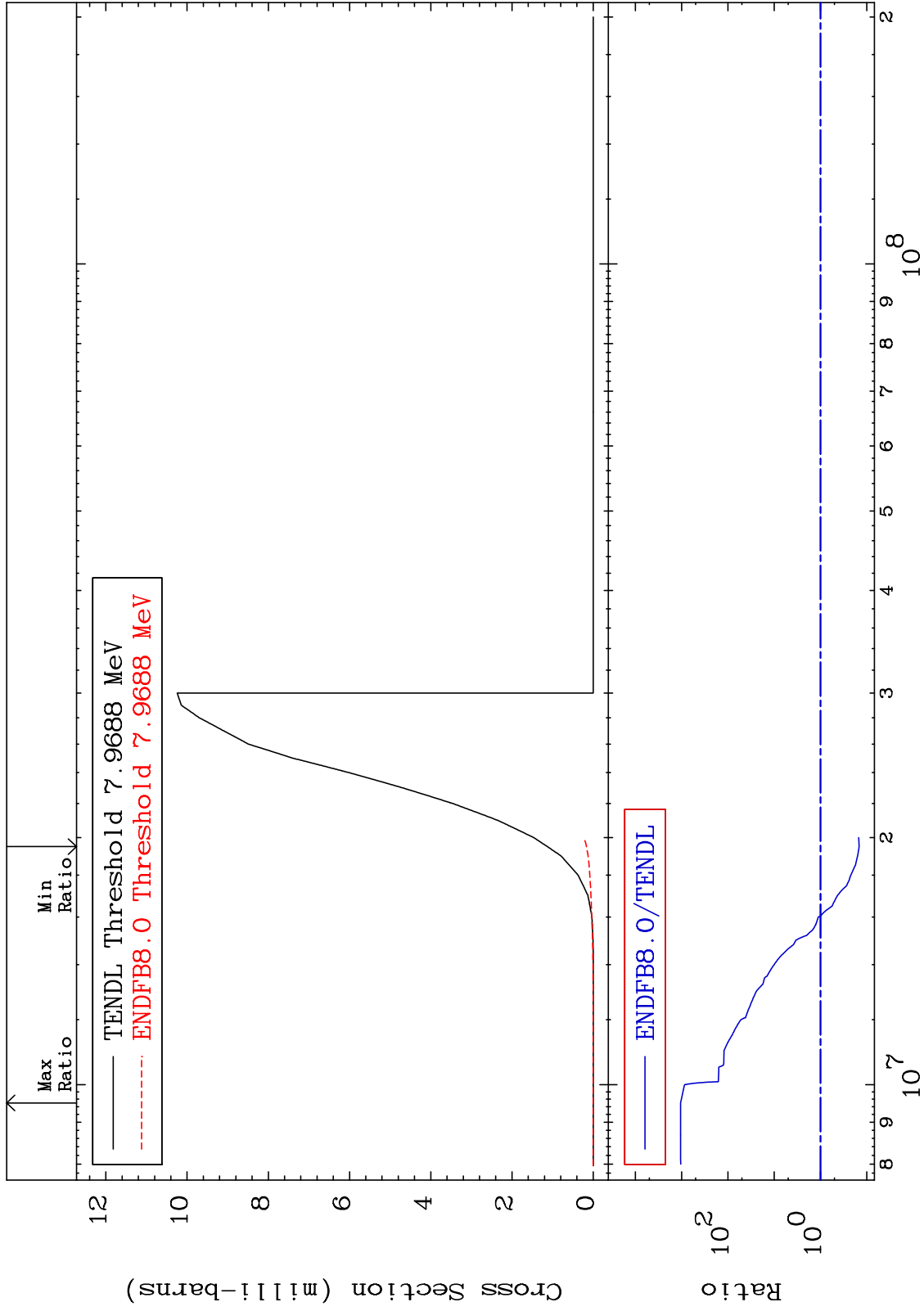
MAT 2828

(n, He-3)

28-Ni-59

Cross Section

-85.34 To 9999. %



43

Incident Energy (eV)

28-Ni-59

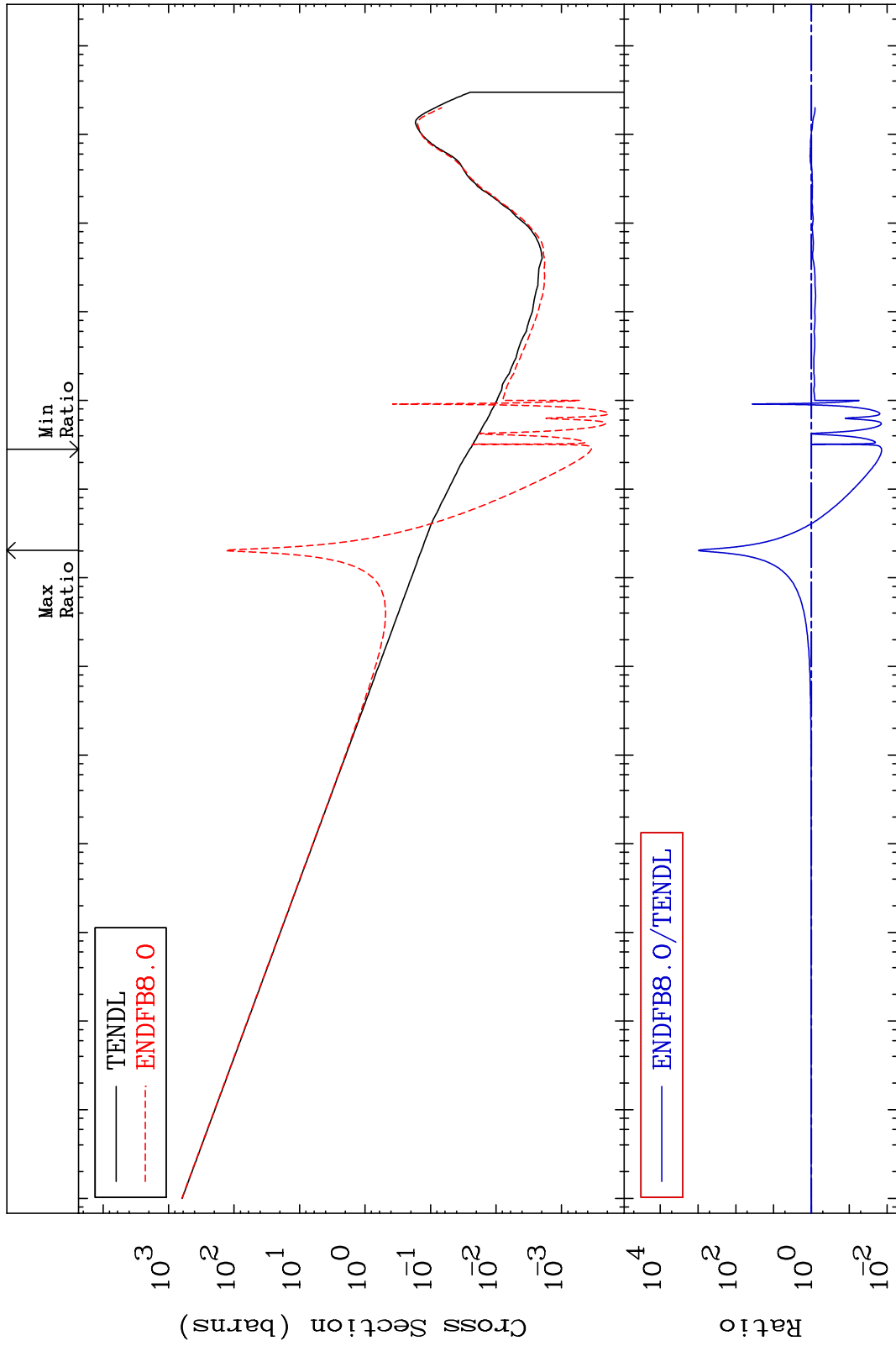
MAT 2828

(n, α)

28-Ni-59

Cross Section

-98.60 To 9999. %



ENDFB8.0/TENDL

Ratio

Incident Energy (eV)

28-Ni-59

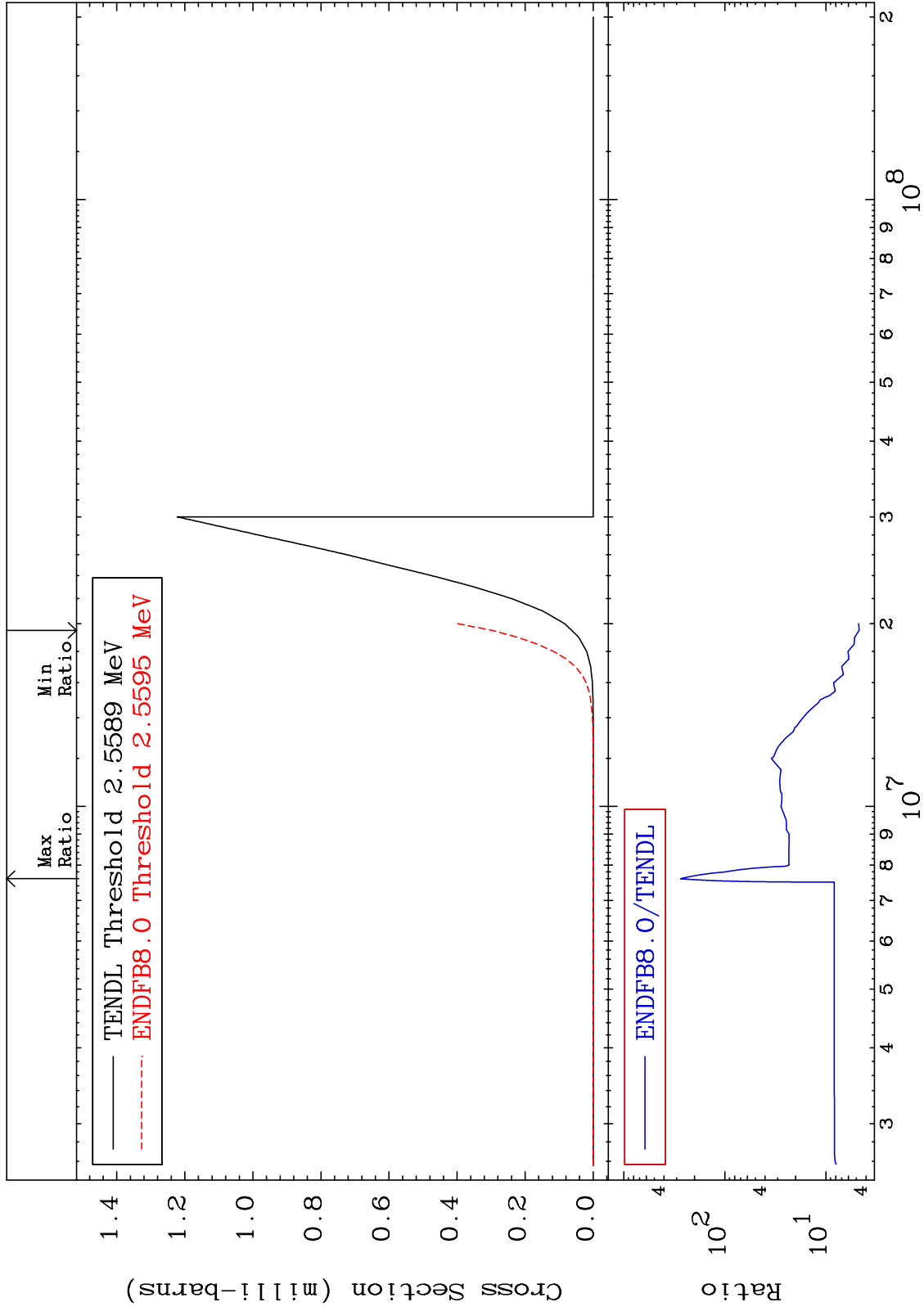
MAT 2828

(n,2α)

28-Ni-59

Cross Section

369.3 To 9999. %



45

Incident Energy (eV)

28-Ni-59

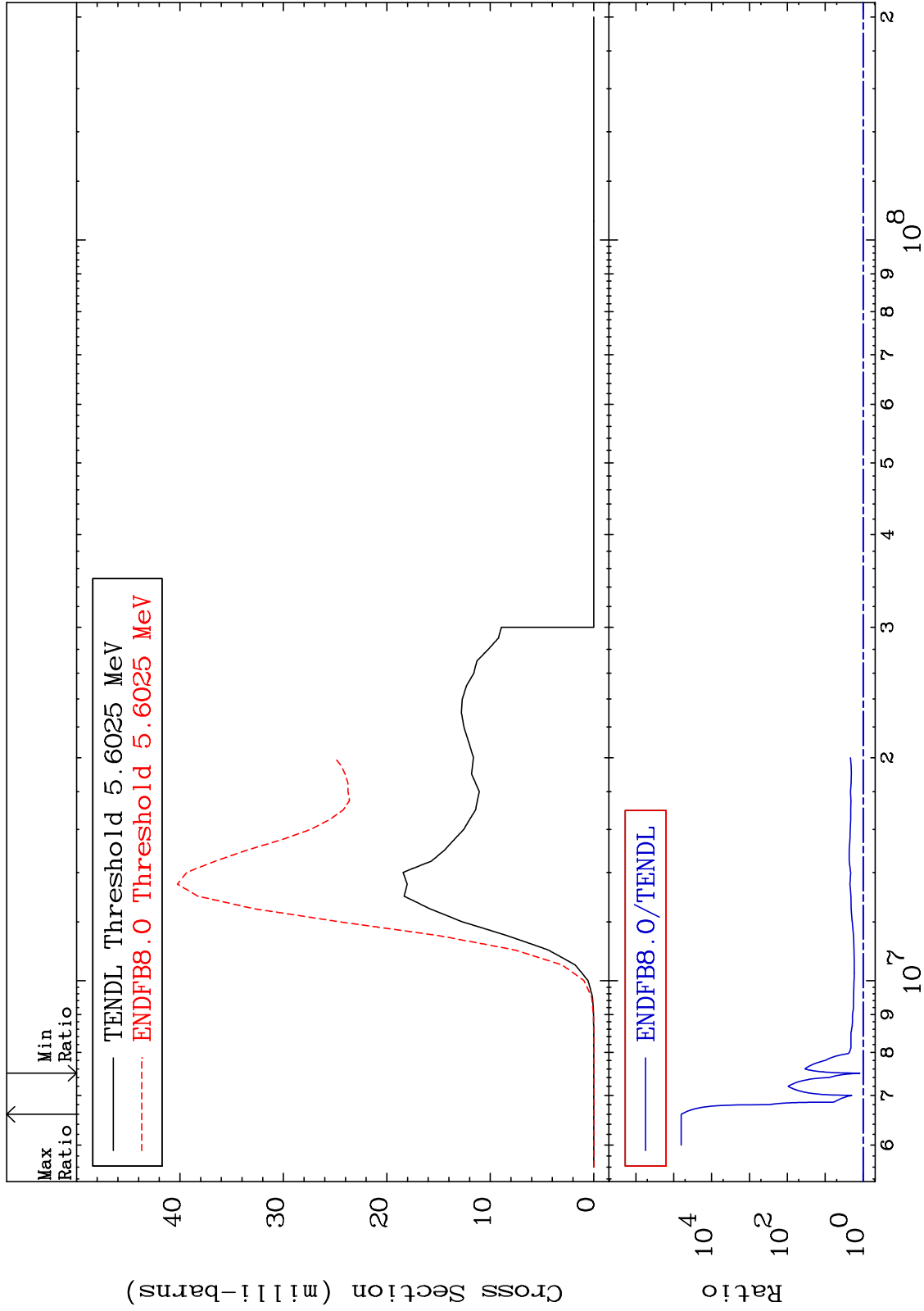
MAT 2828

(n,2p)

28-Ni-59

Cross Section

21.26 To 9999. %



46

Incident Energy (eV)

28-Ni-59

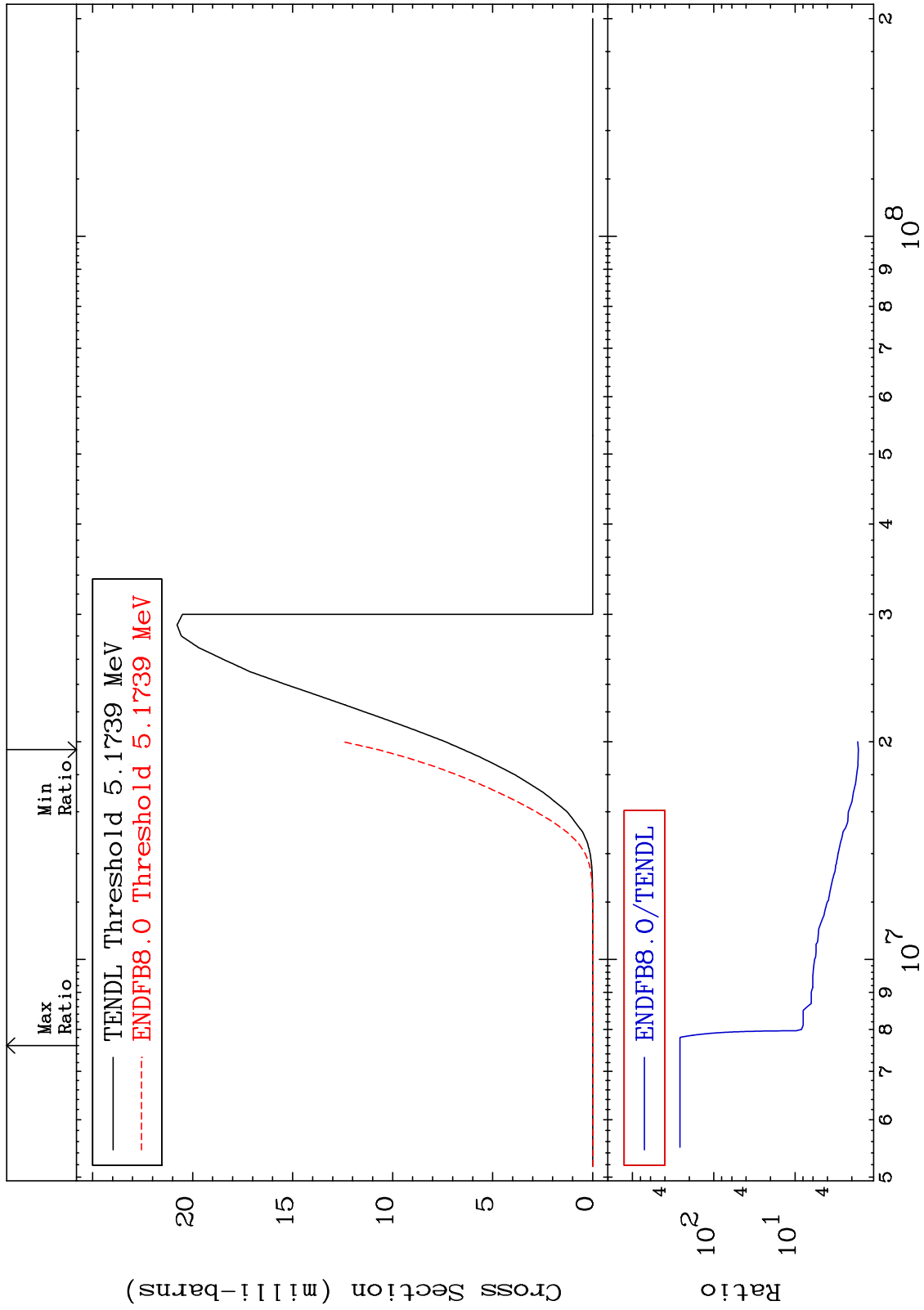
MAT 2828

(n,p) α

28-Ni-59

Cross Section

65.92 To 9999. %



47

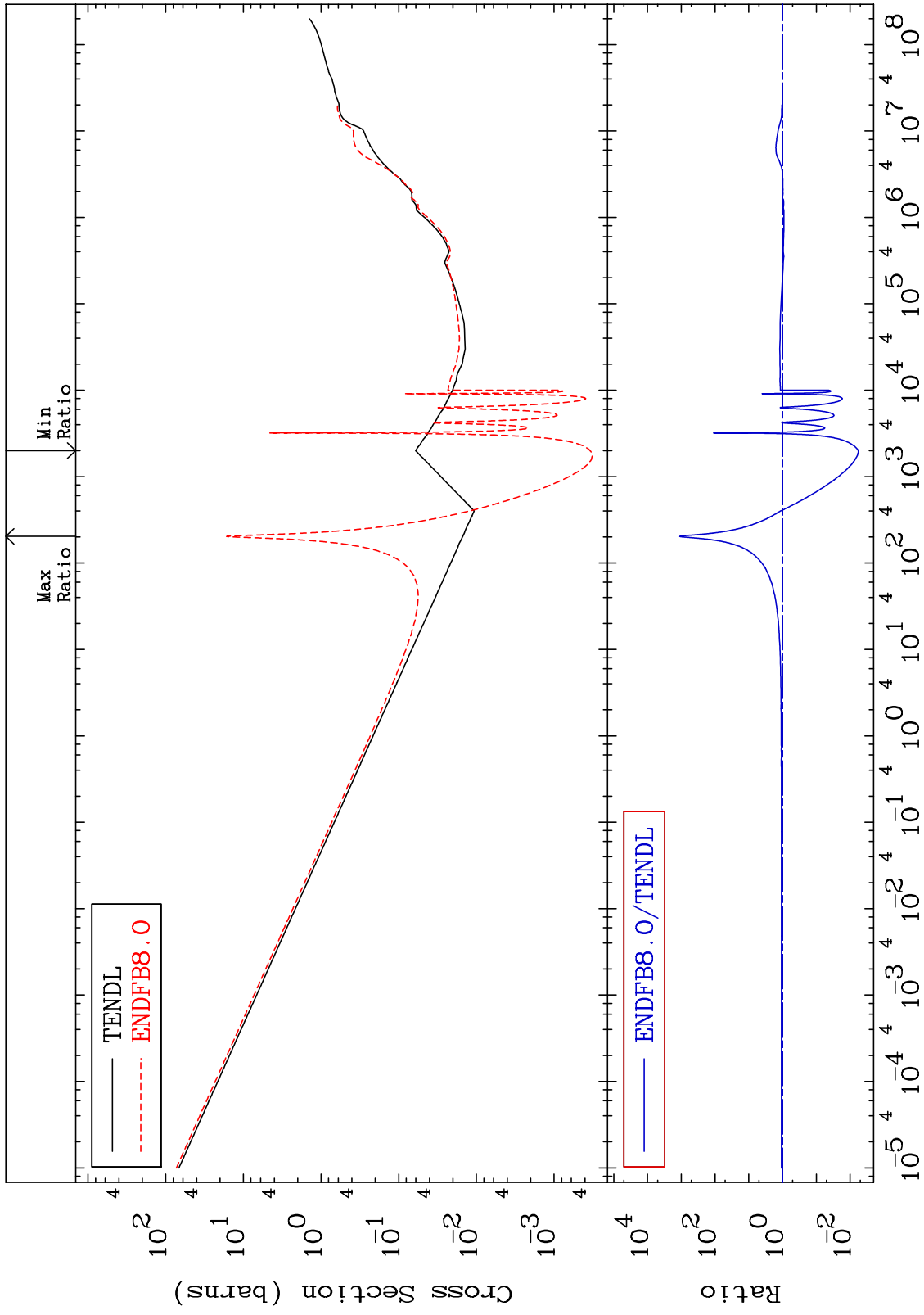
Incident Energy (eV)

28-Ni-59

MAT 2828

Hydrogen Production
Cross Section

28-Ni-59
-99.43 To 9999. %



48

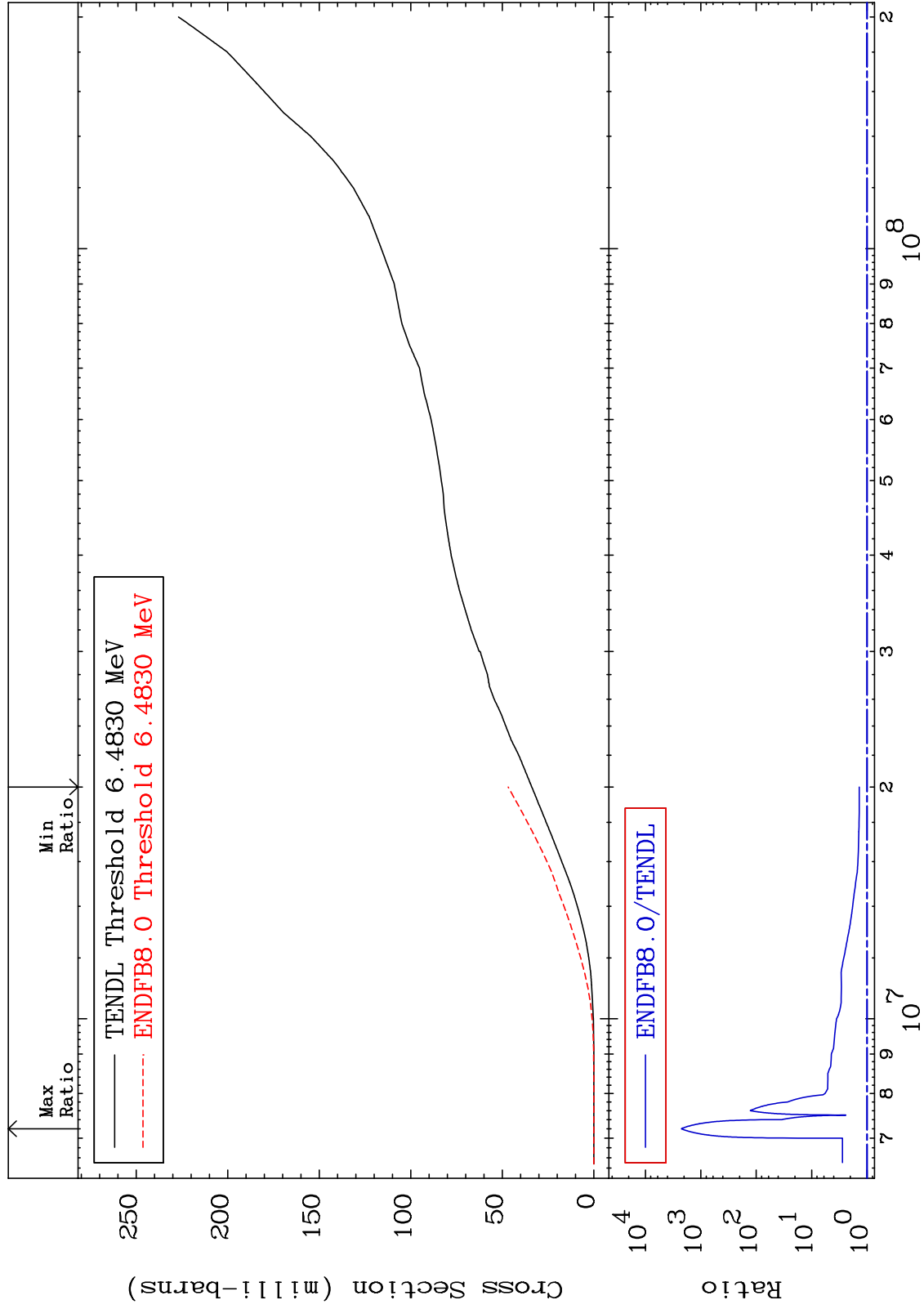
Incident Energy (eV)

28-Ni-59

MAT 2828

Deuterium Production
Cross Section

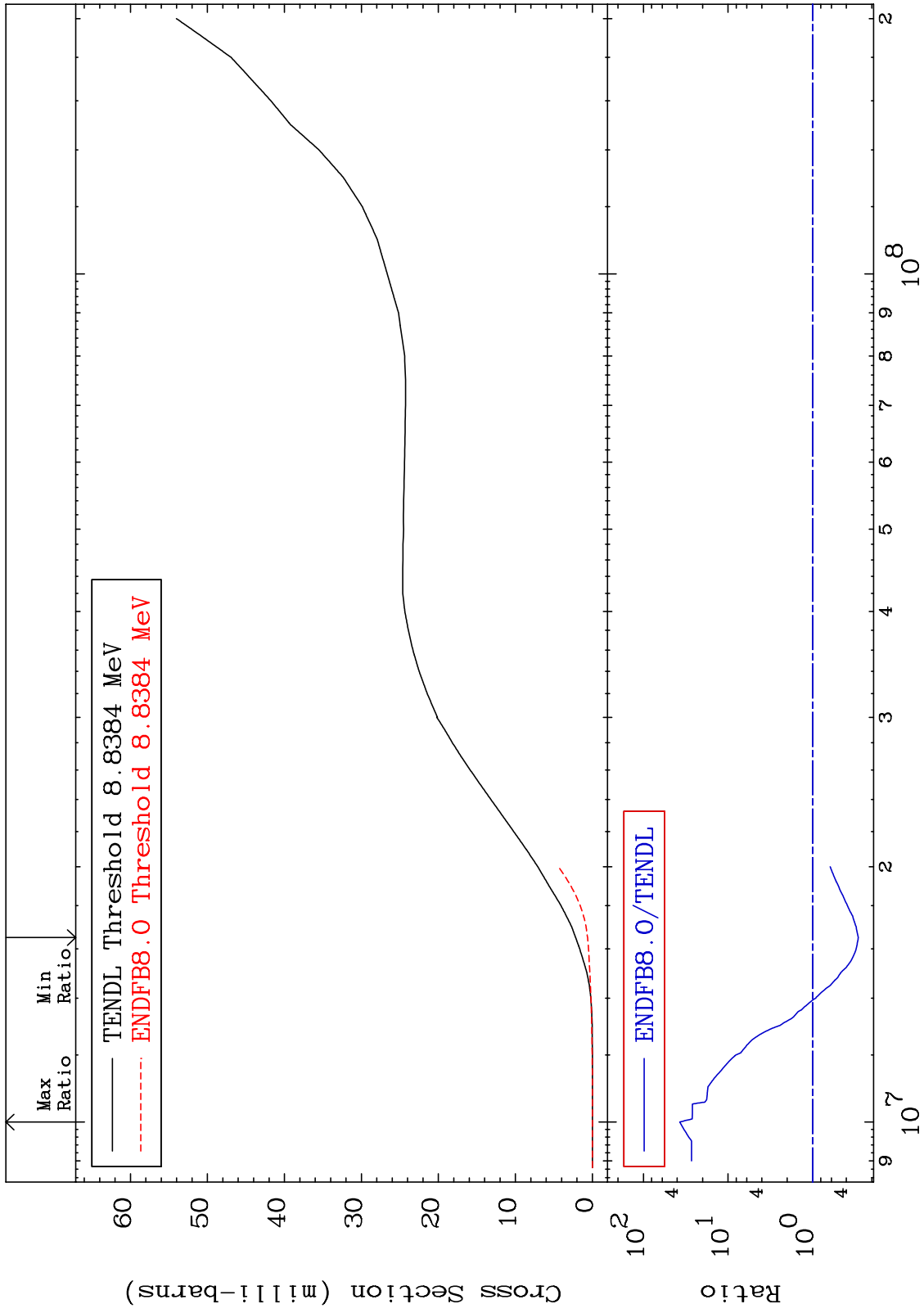
28-Ni-59
38.12 To 9999. %



MAT 2828

Tritium Production
Cross Section

28-Ni-59
-71.17 To 3621. %



50

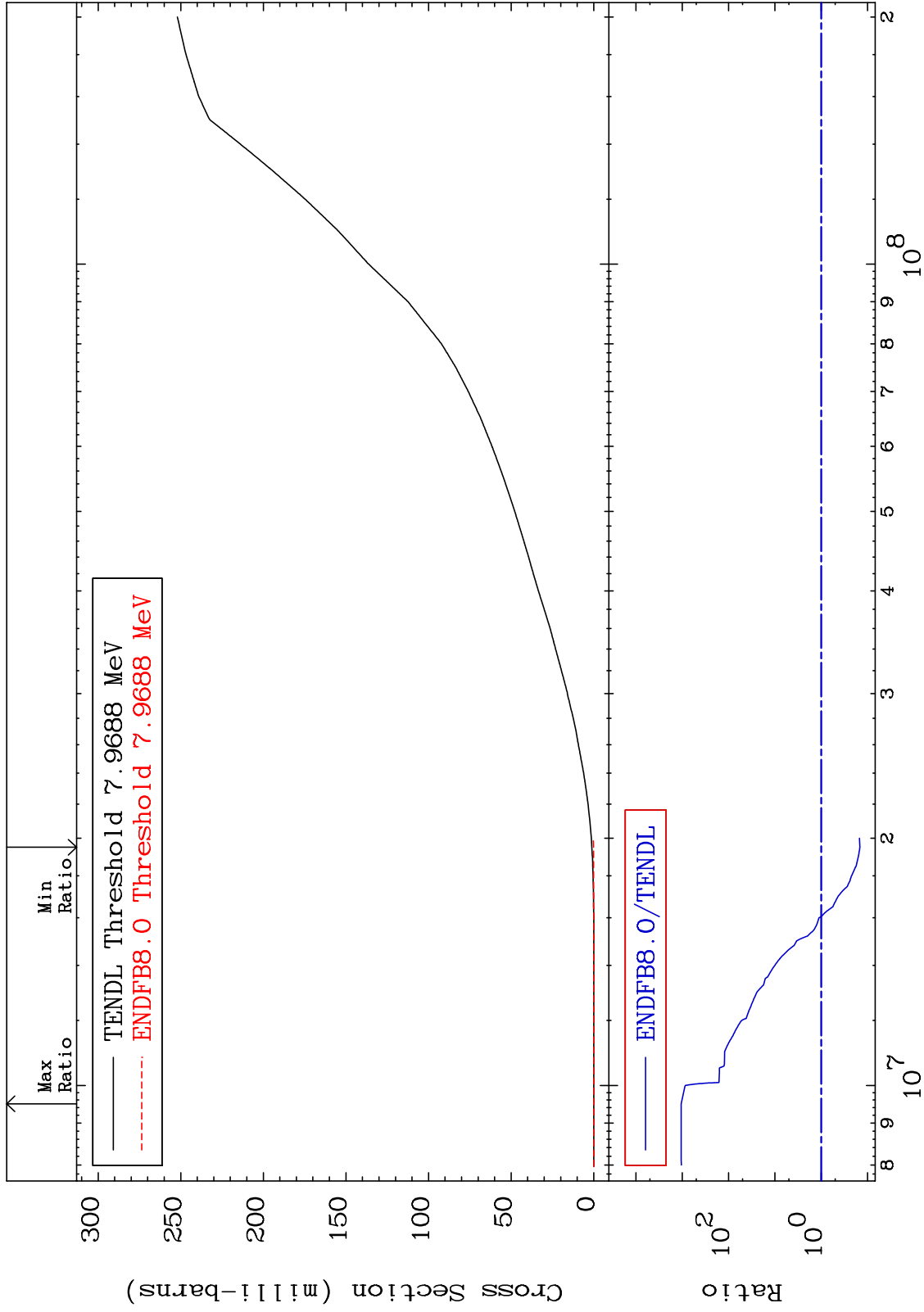
Incident Energy (eV)

28-Ni-59

MAT 2828

He-3 Production
Cross Section

28-Ni-59
-85.34 To 9999. %



51

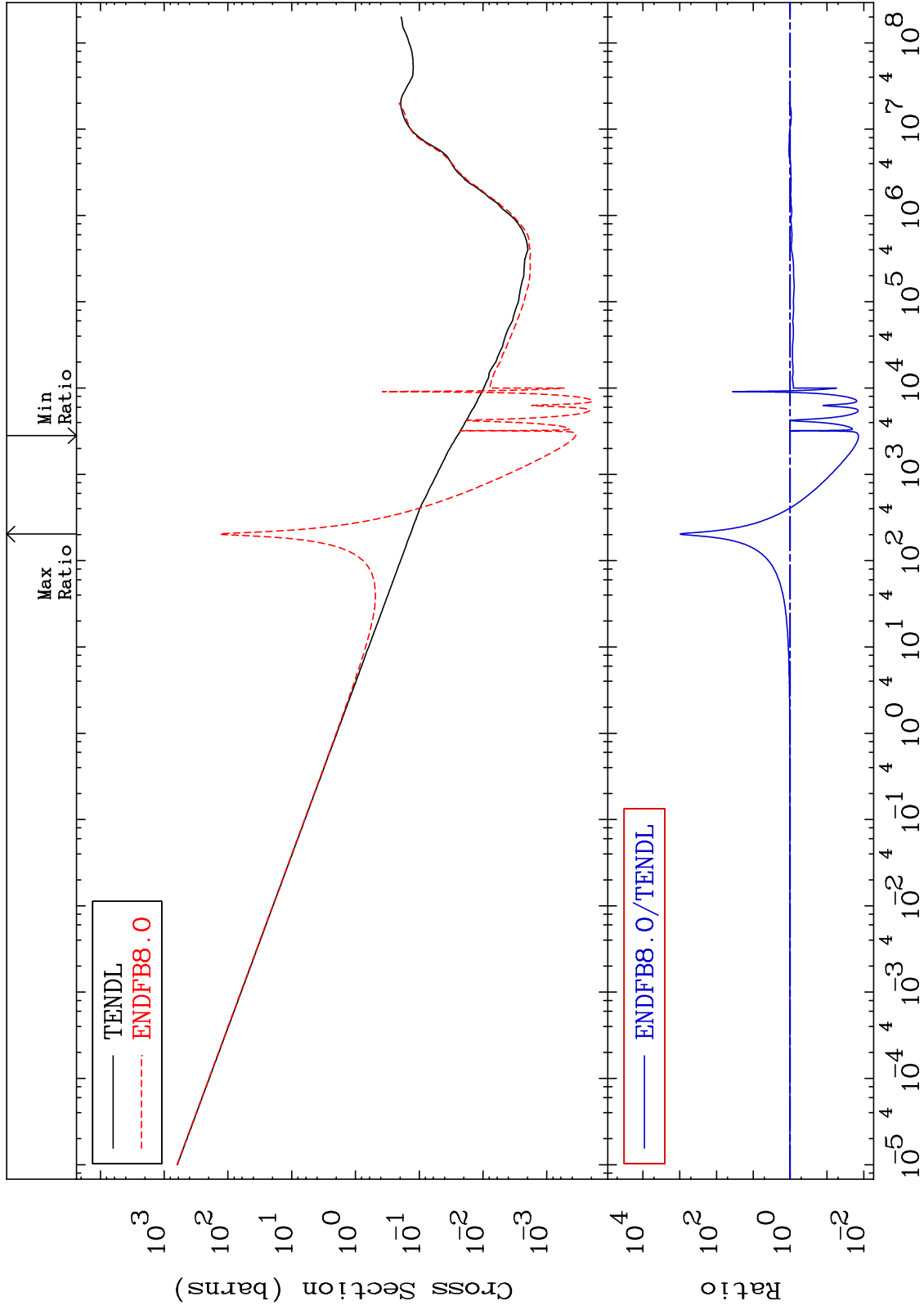
Incident Energy (eV)

28-Ni-59

MAT 2828

He-4 Production
Cross Section

28-Ni-59
-98.60 To 9999. %



52

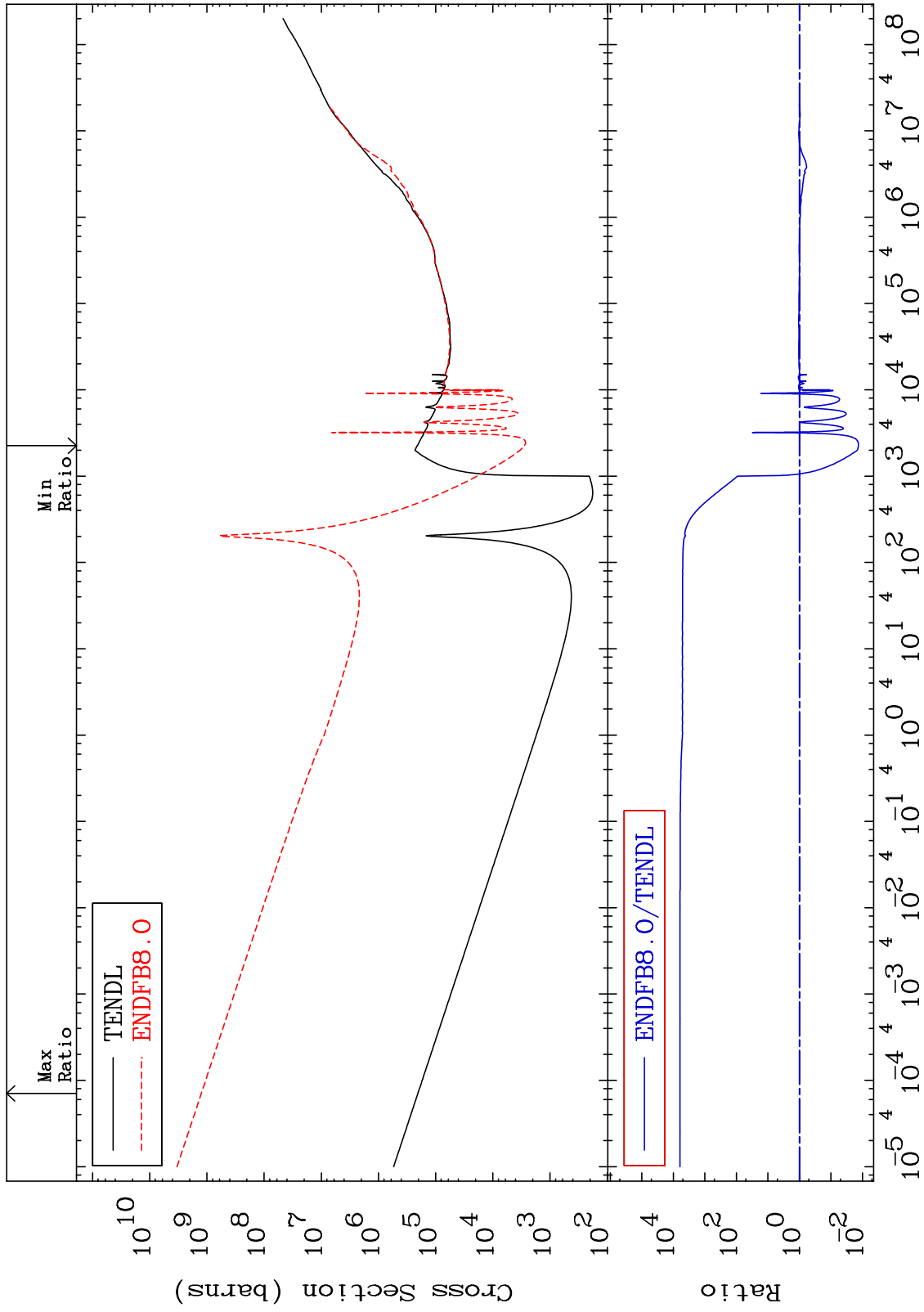
Incident Energy (eV)

28-Ni-59

MAT 2828

Kerma total (eV-barns)
Cross Section

28-Ni-59
-98.66 To 9999. %



53

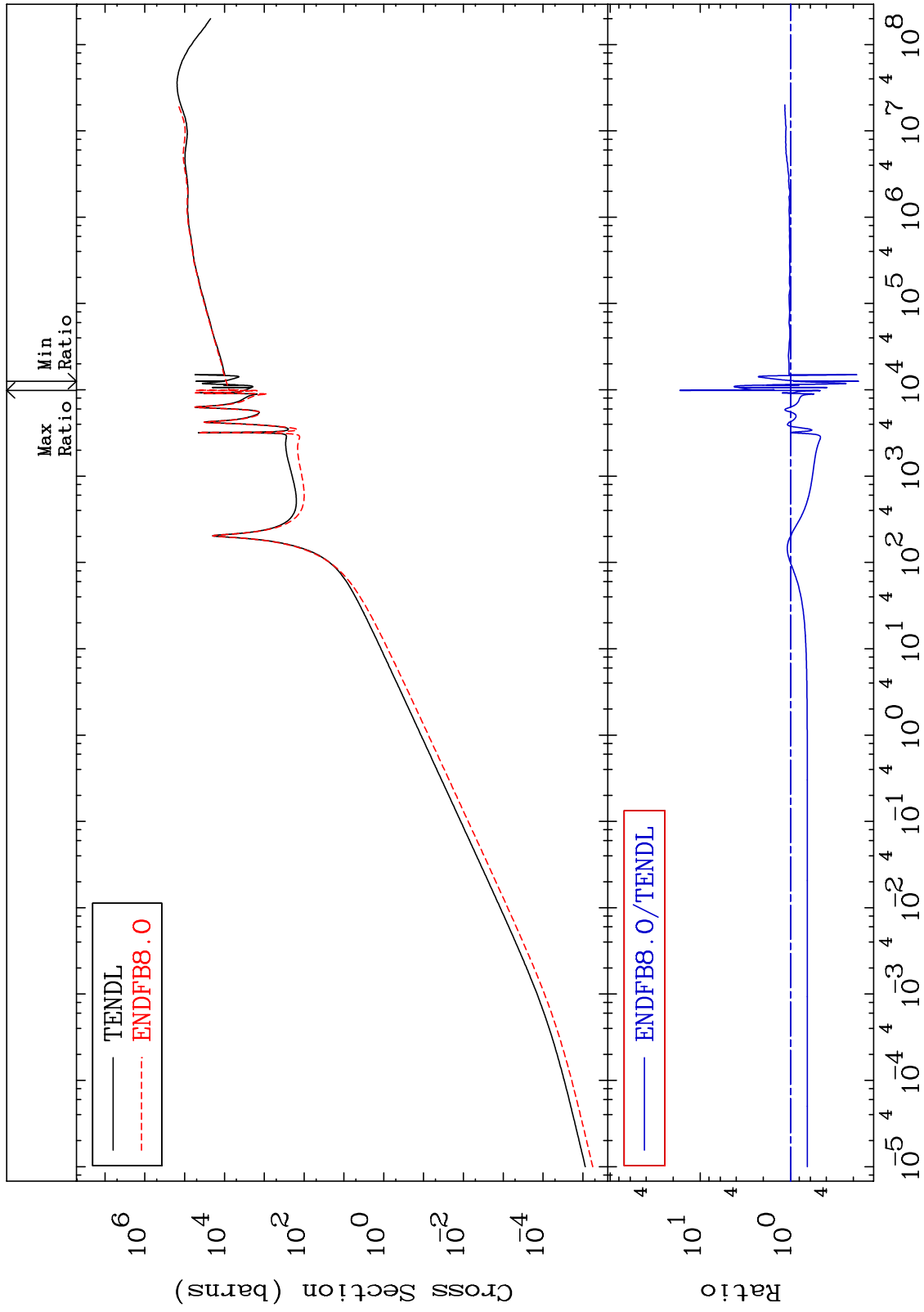
Incident Energy (eV)

28-Ni-59

MAT 2828

Kerma elastic
Cross Section

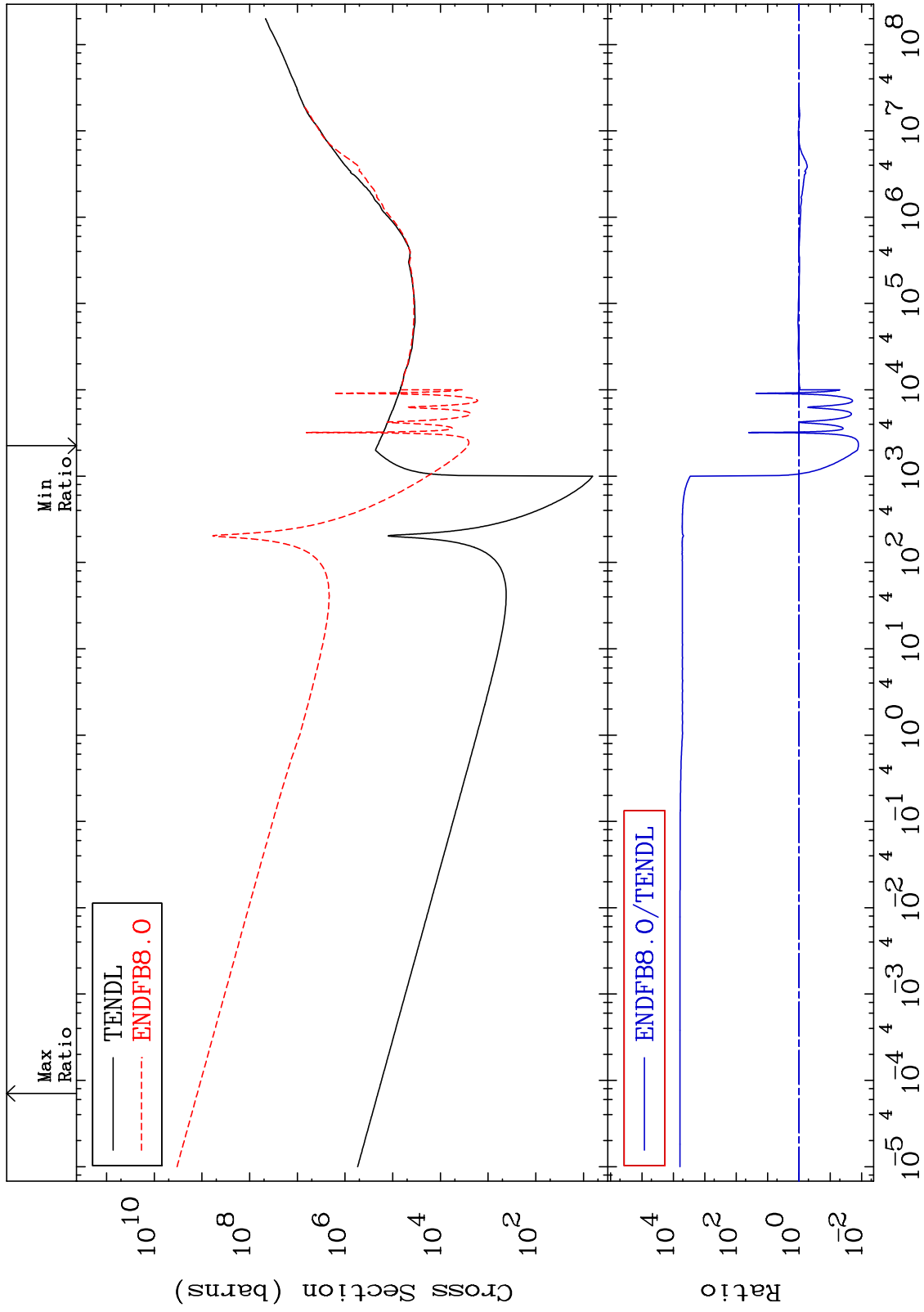
28-Ni-59
-82.38 To 1580. %



MAT 2828

Kerma non-elastic (all but mt2)
Cross Section

28-Ni-59
-98.72 To 9999. %



55

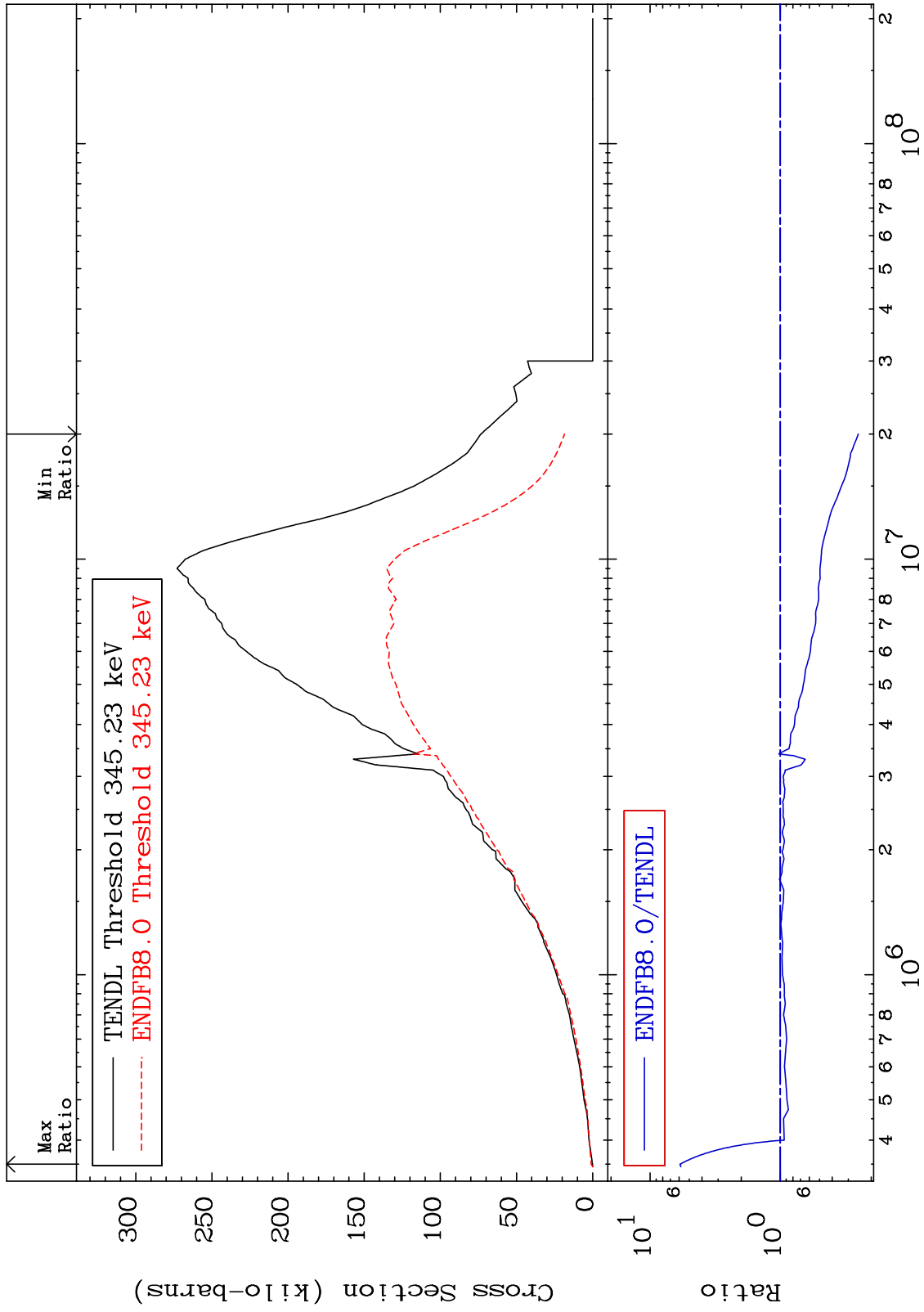
Incident Energy (eV)

28-Ni-59

MAT 2828

Kerma inelastic (mt51-91)
Cross Section

28-Ni-59
-74.88 To 489.7 %



56

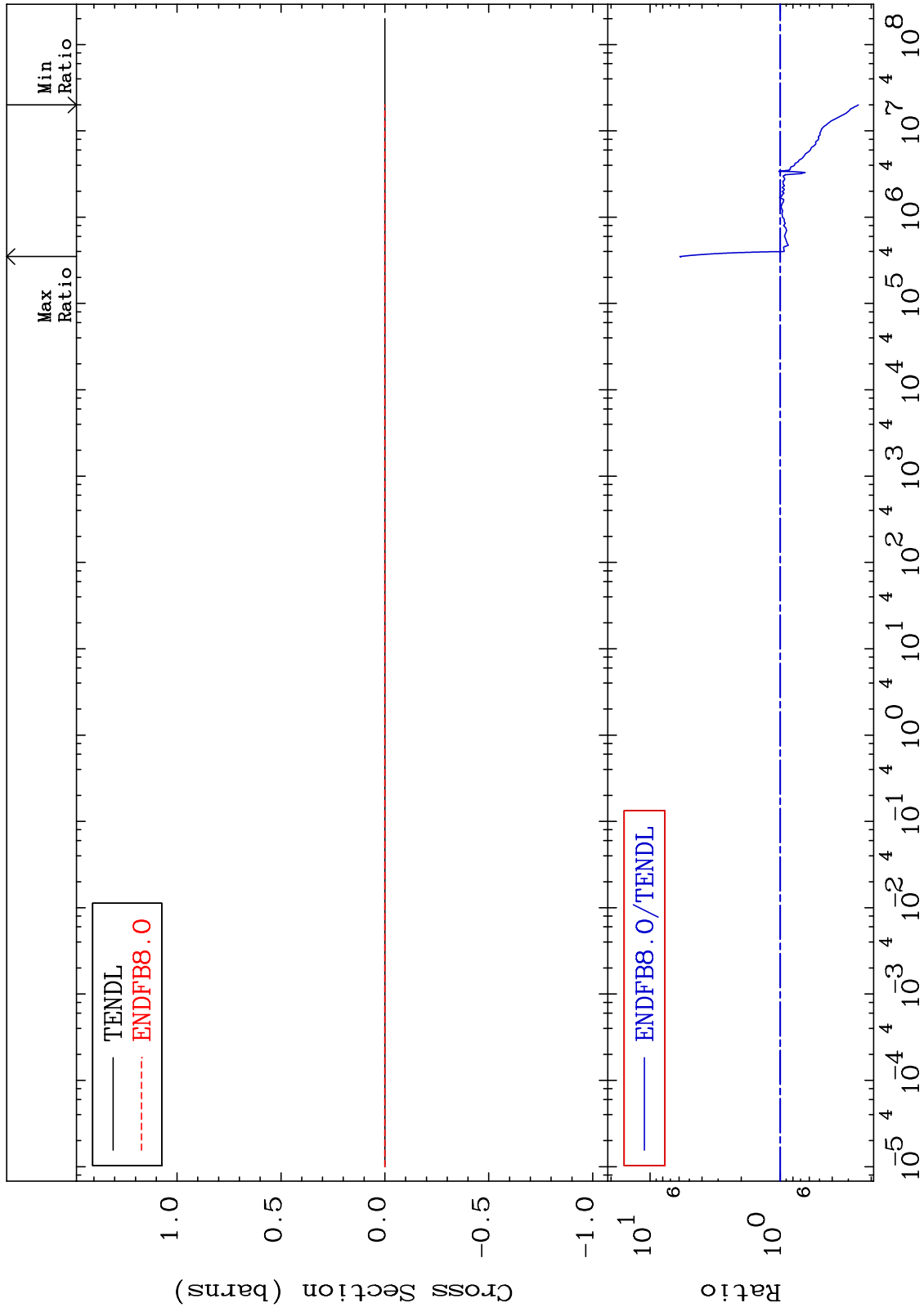
Incident Energy (eV)

28-Ni-59

MAT 2828

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

28-Ni-59
-74.88 To 489.7 %



57

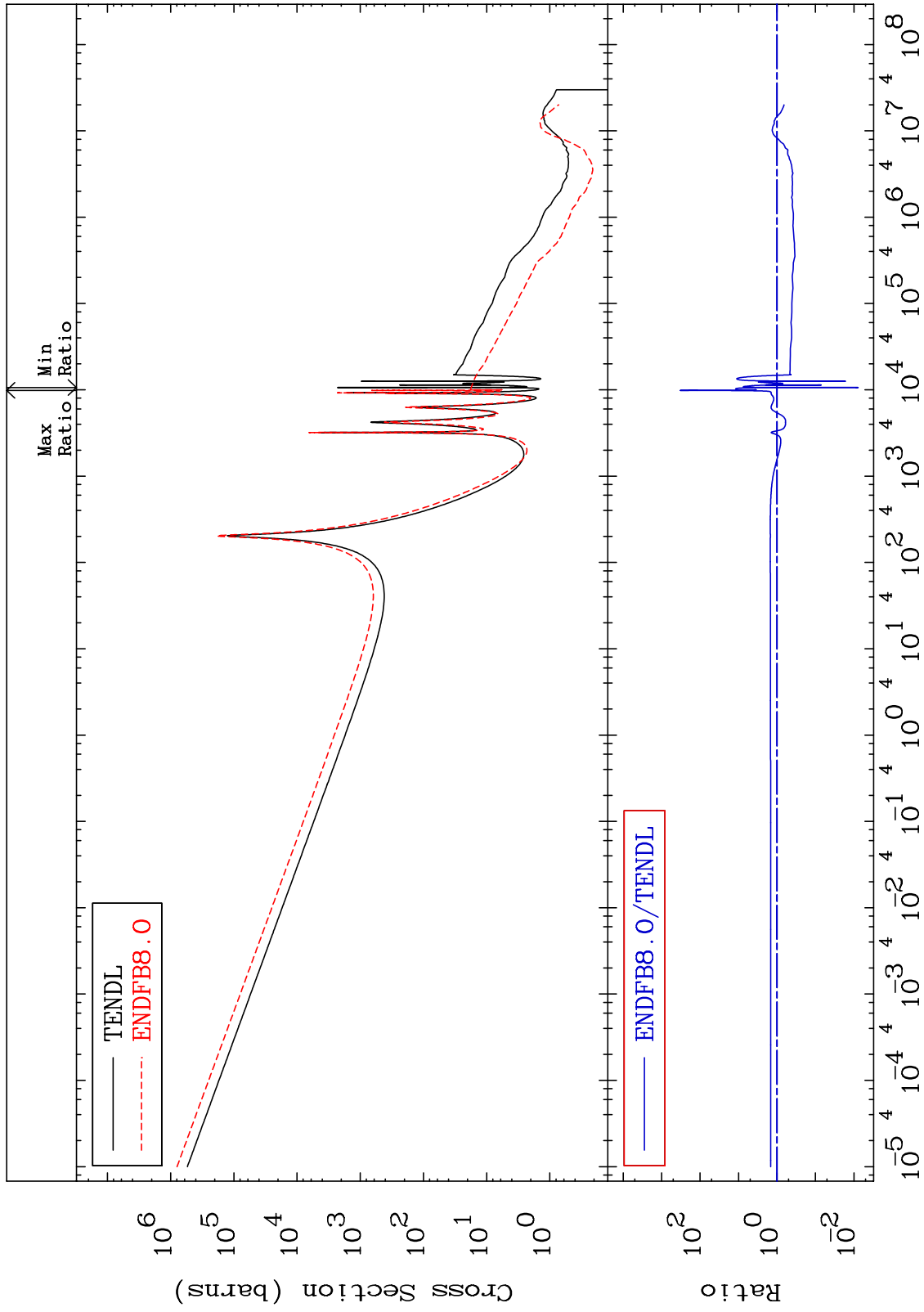
Incident Energy (eV)

28-Ni-59

MAT 2828

Kerma capture (mt102)
Cross Section

28-Ni-59
-99.24 To 9999. %



58

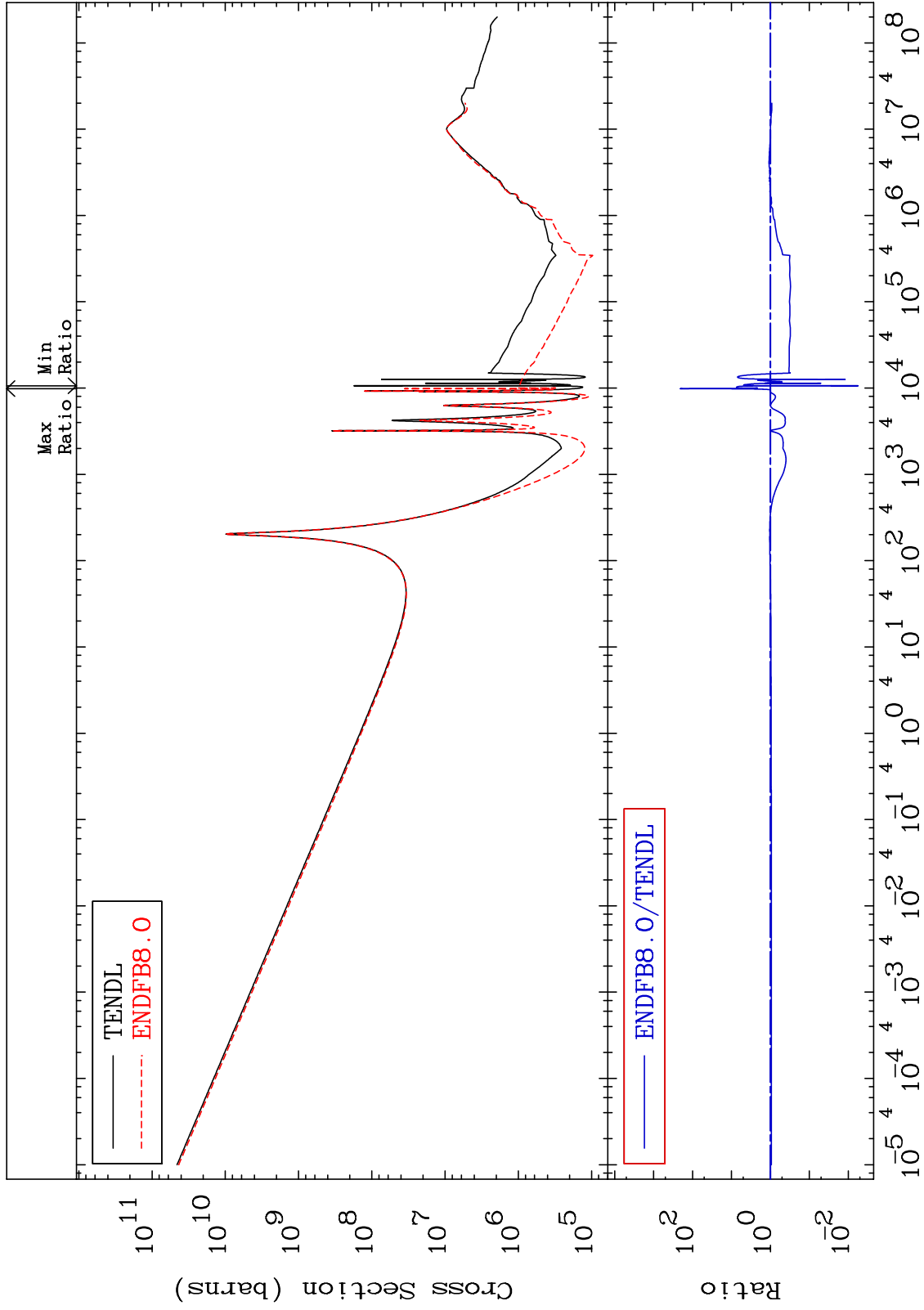
Incident Energy (eV)

28-Ni-59

MAT 2828

Total photon (eV-barns)
Cross Section

28-Ni-59
-99.45 To 9999. %



59

Incident Energy (eV)

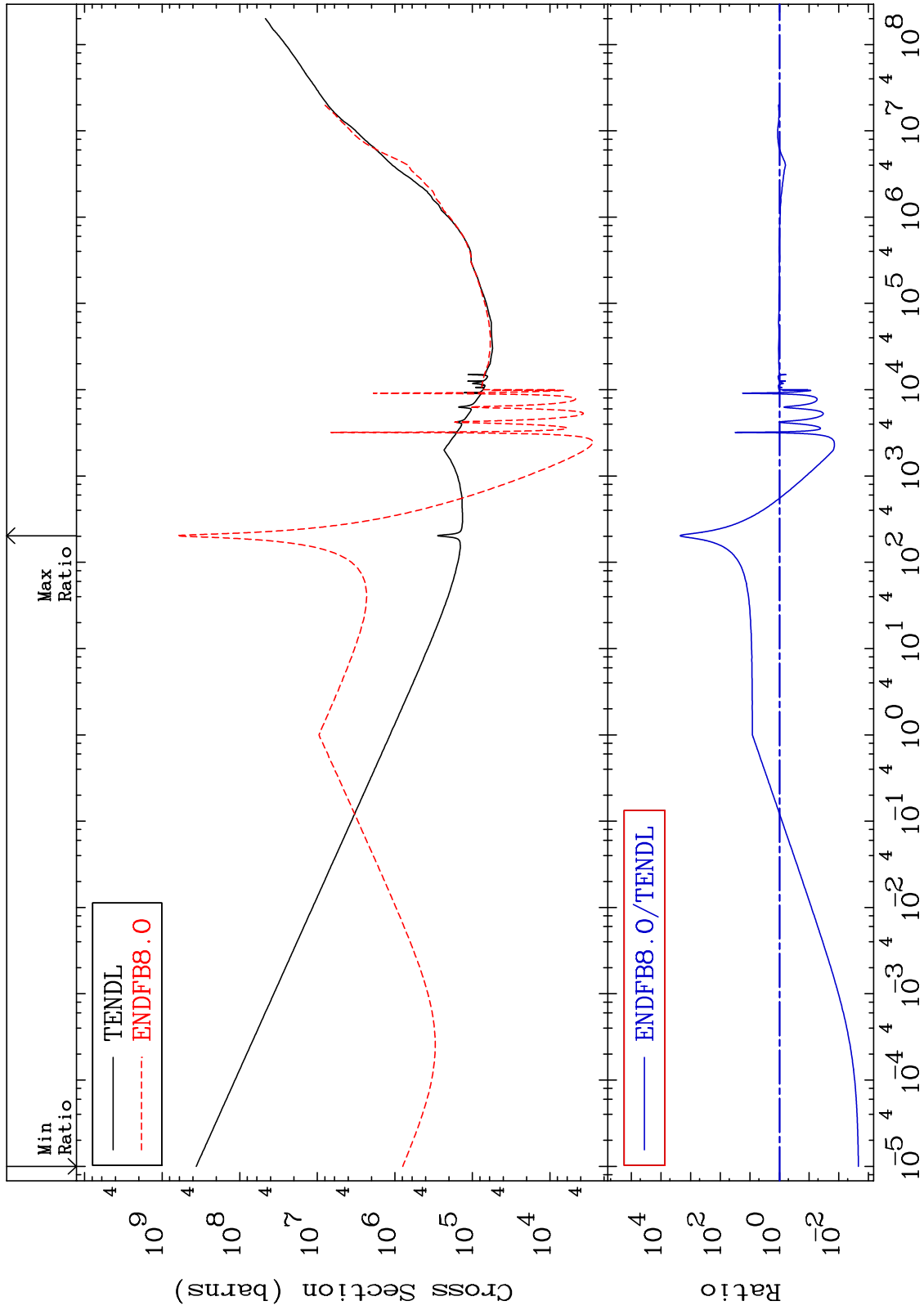
28-Ni-59

MAT 2828

Total kinematic kerma (high limit)
Cross Section

-99.78 To 9999. %

28-Ni-59



60

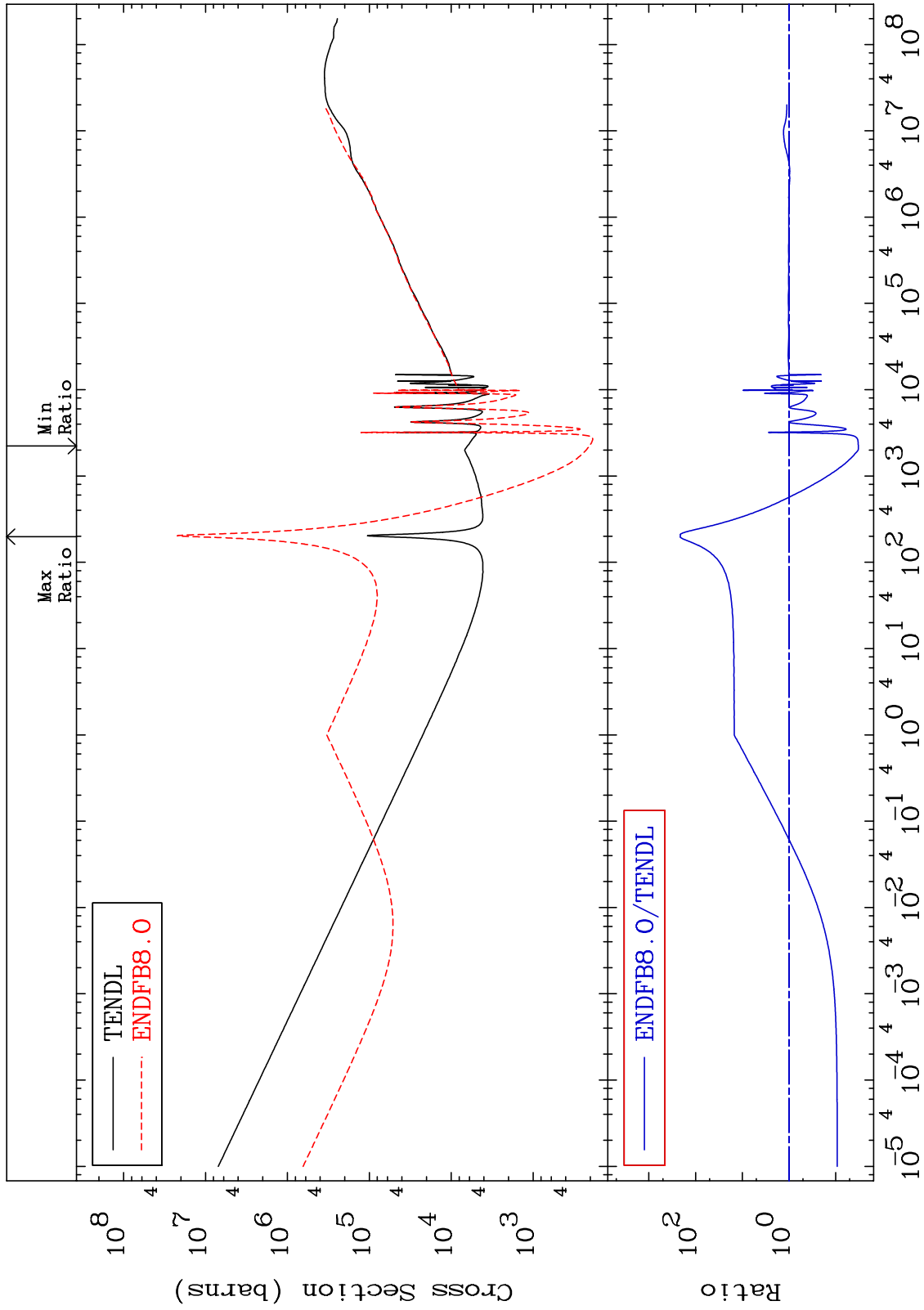
Incident Energy (eV)

28-Ni-59

MAT 2828

Dpa total (eV-barns)
Cross Section

28-Ni-59
-96.75 To 9999. %



61

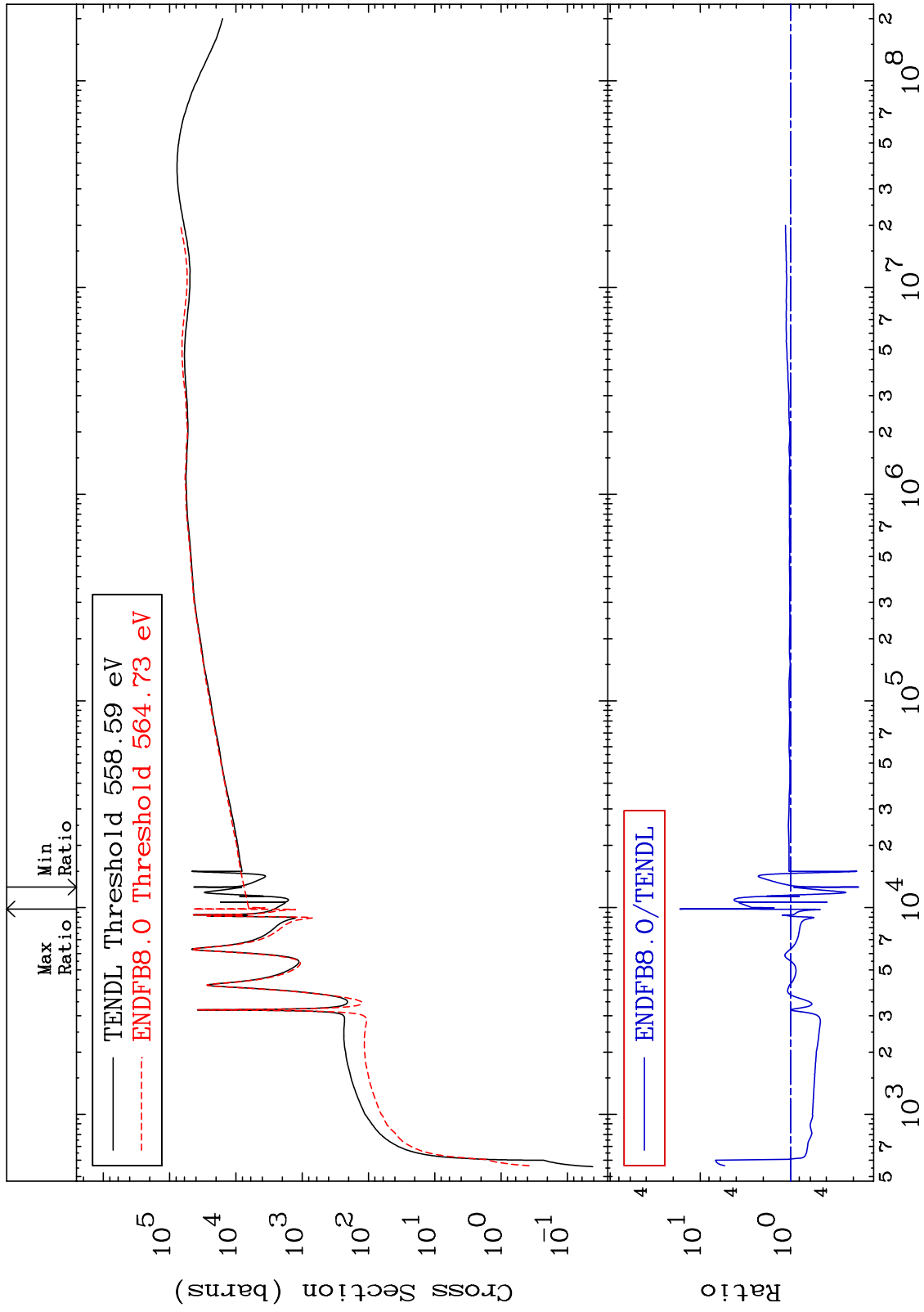
Incident Energy (eV)

28-Ni-59

MAT 2828

Dpa elastic (mt2)
Cross Section

28-Ni-59
-82.38 To 1580. %



62

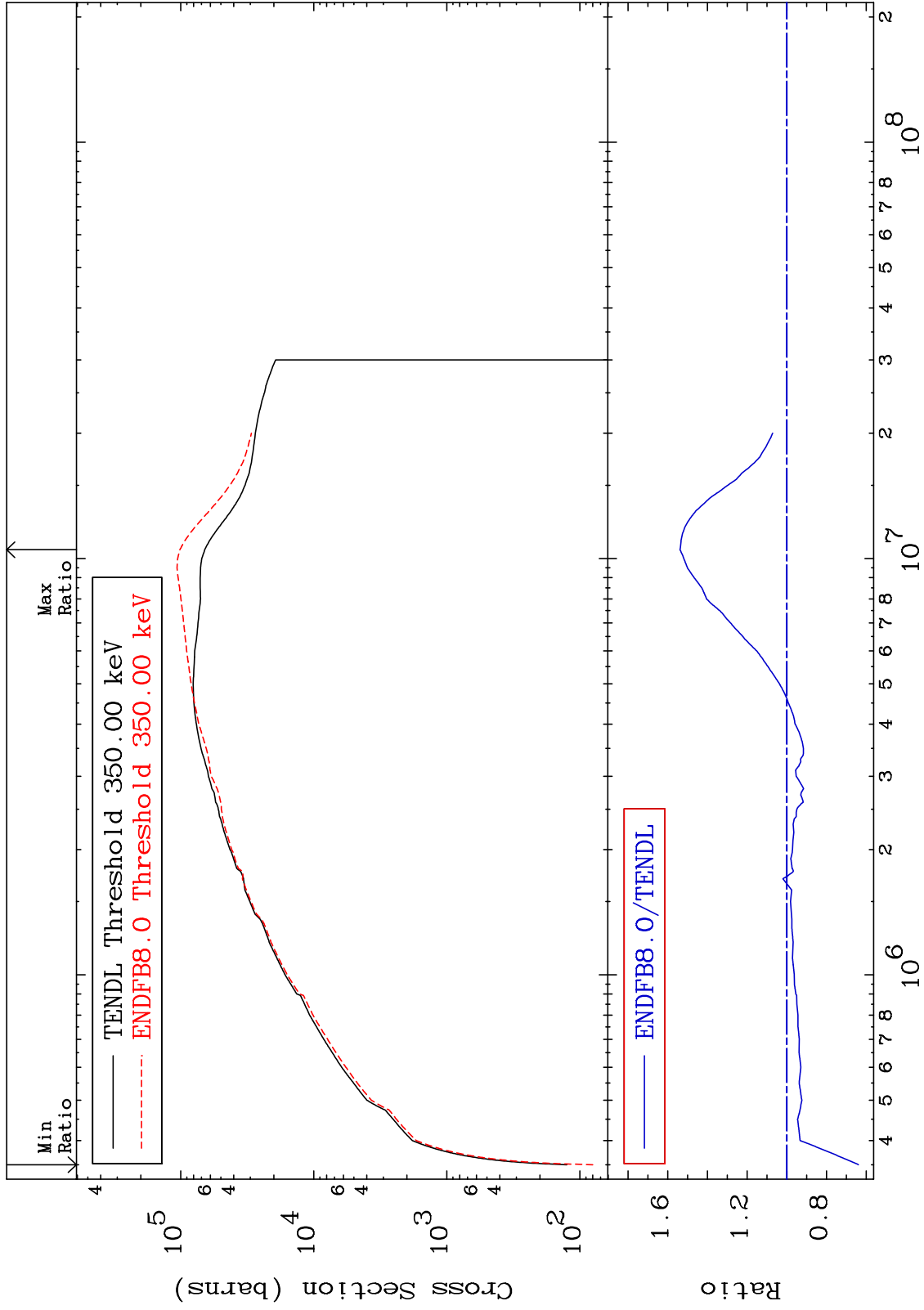
Incident Energy (eV)

28-Ni-59

MAT 2828

Dpa inelastic (mt51-91)
Cross Section

28-Ni-59
-36.11 To 53.80 %



63

Incident Energy (eV)

28-Ni-59

MAT 2828

Dpa disappearance (mt102 -120)
Cross Section

28-Ni-59
-98.60 To 9999. %

