

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

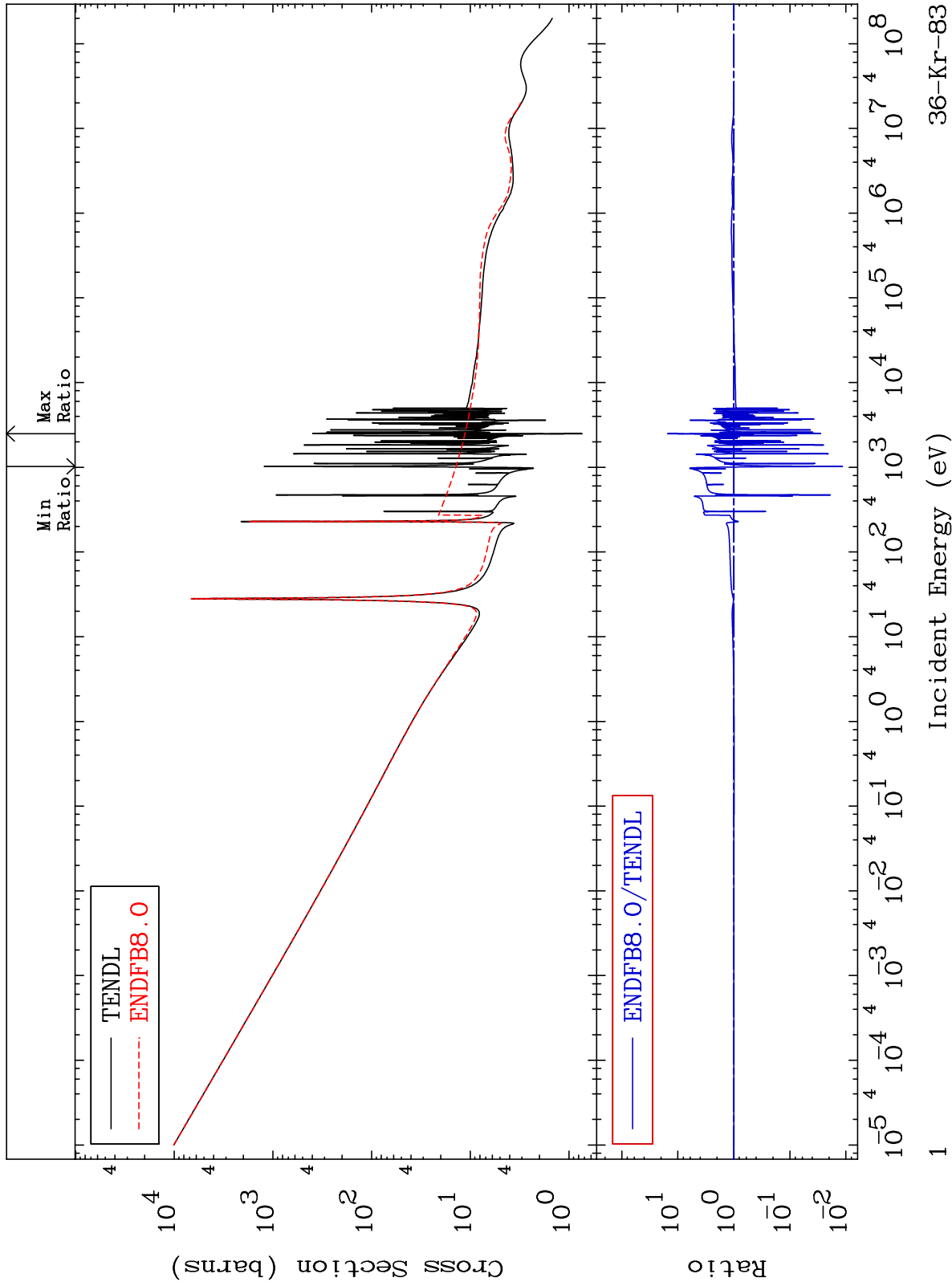
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Press Mouse Button to Start

MAT 3640 Total Cross Section 36-Kr-83
-98.86 To 1427. %

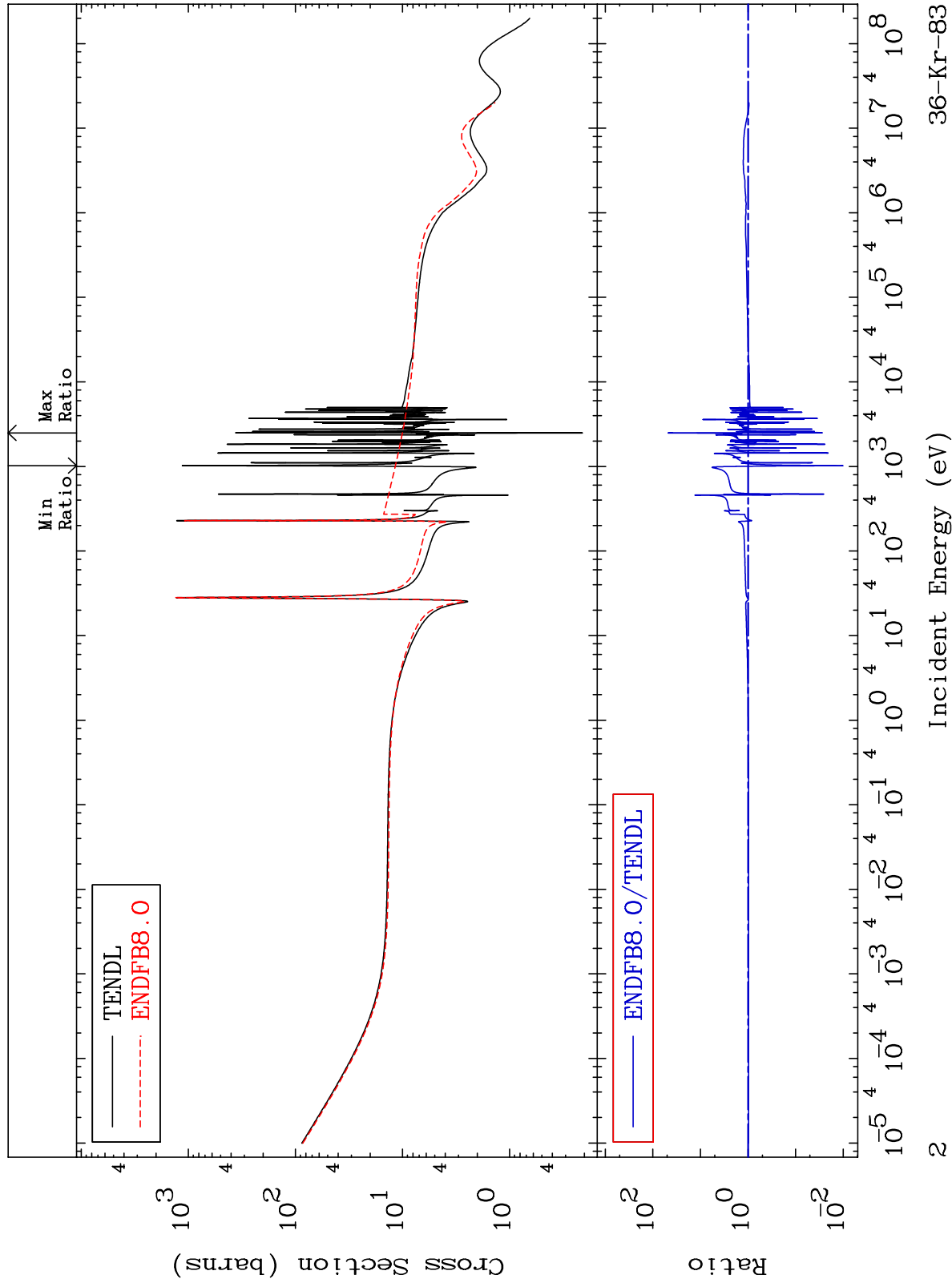


36-Kr-83

MAT 3640

Elastic
Cross Section

36-Kr-83
-98.98 To 4700. %



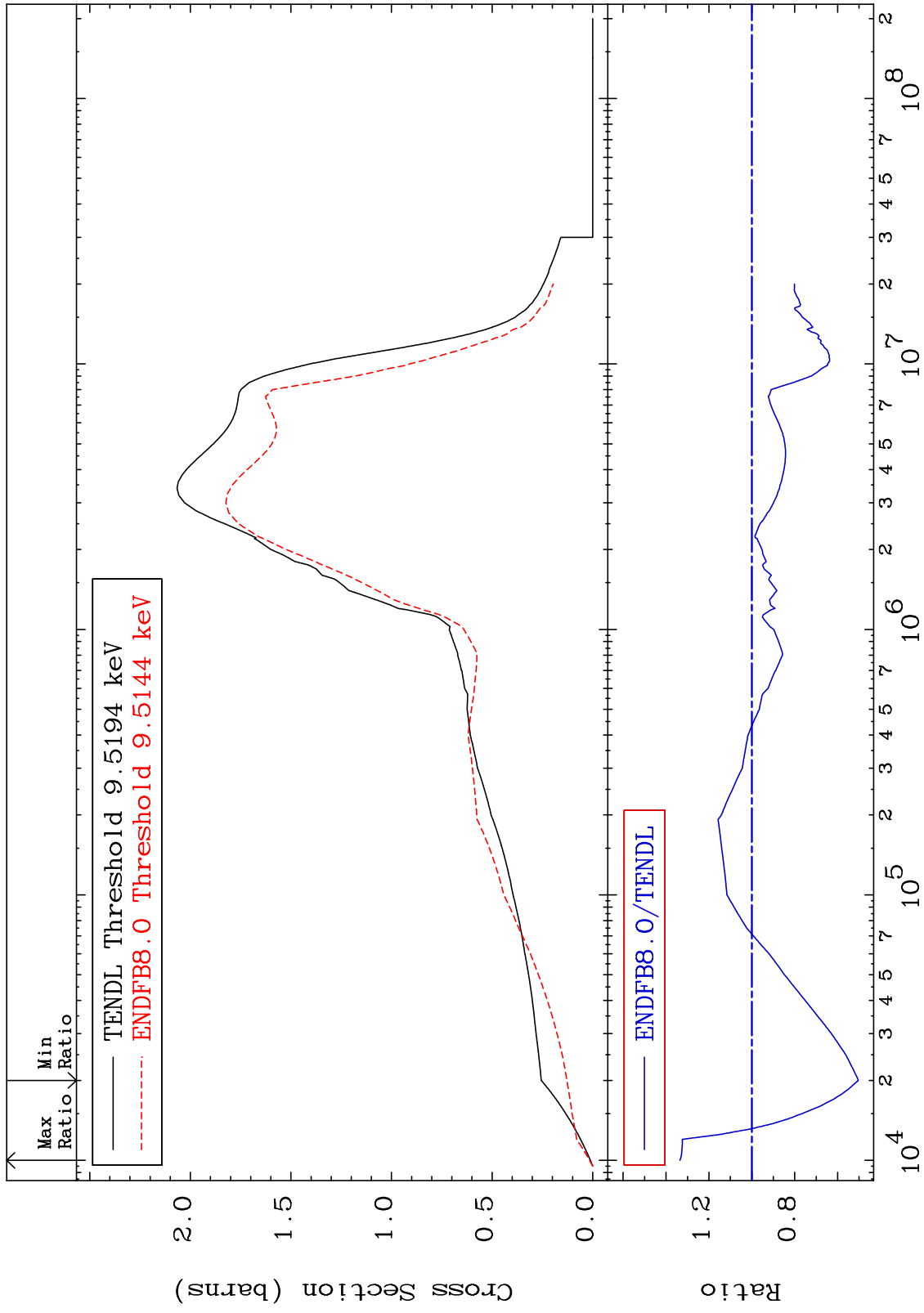
36-Kr-83

2

MAT 3640

Inelastic
Cross Section

36-Kr-83
-49.68 To 33.48 %



36-Kr-83

36-Kr-83

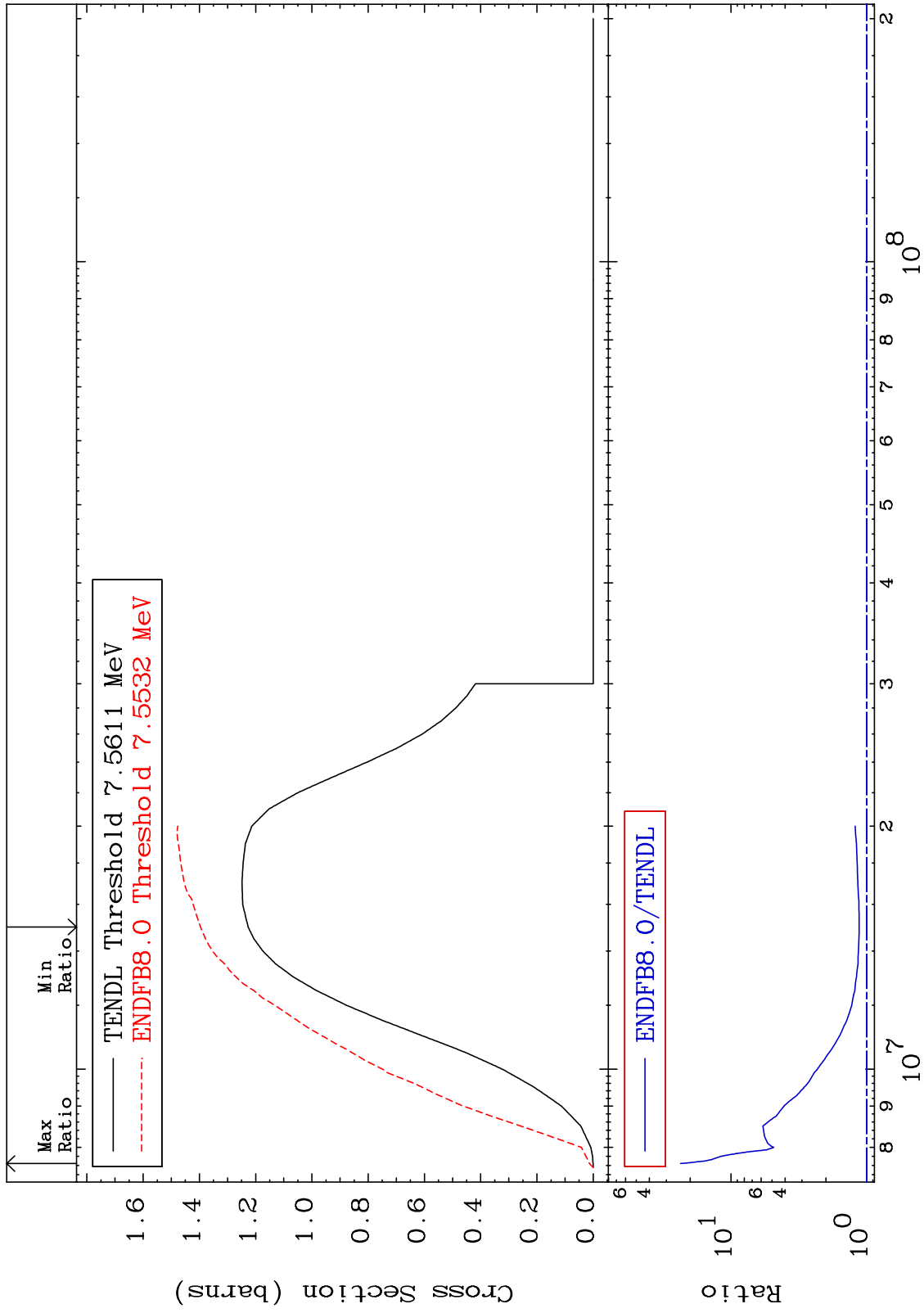
MAT 3640

(n,2n)

36-Kr-83

13.78 To 2255. %

Cross Section



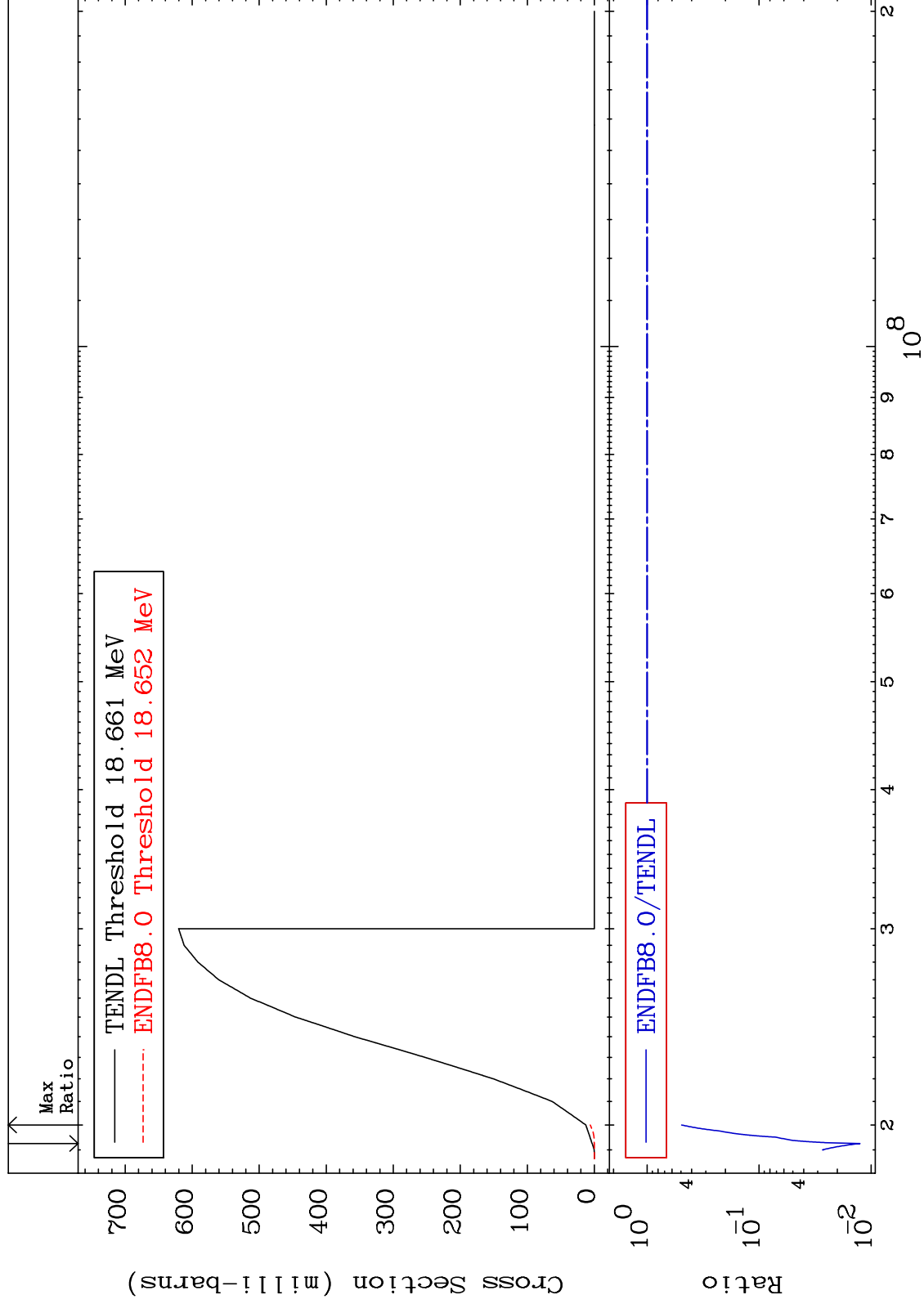
MAT 3640

(n,3n)

36-Kr-83

Cross Section

-98.75 To -50.79%



5

Incident Energy (eV)

36-Kr-83

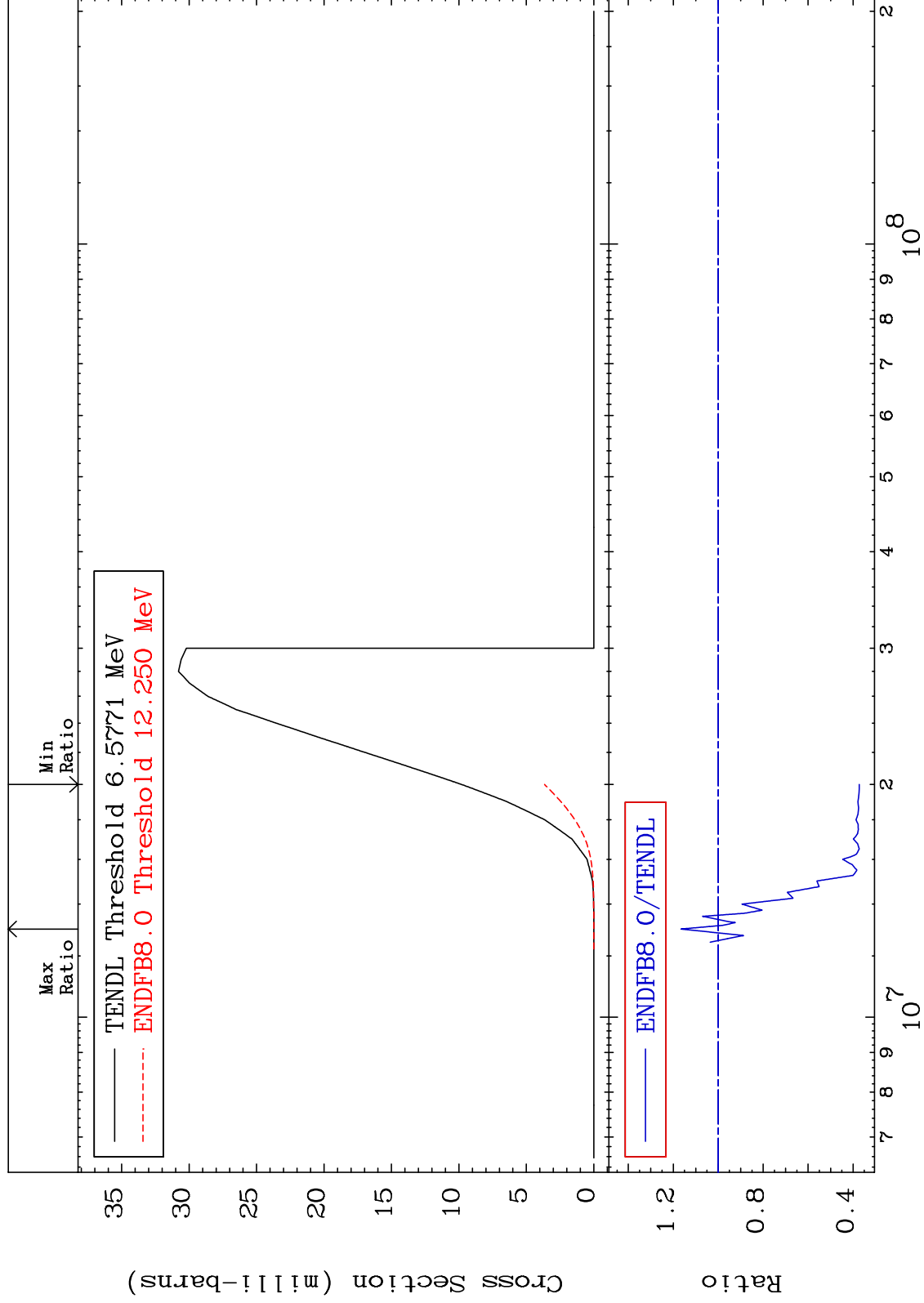
MAT 3640

(n, n') α

36-Kr-83

Cross Section

-62.77 To 16.54 %



6

Incident Energy (eV)

36-Kr-83

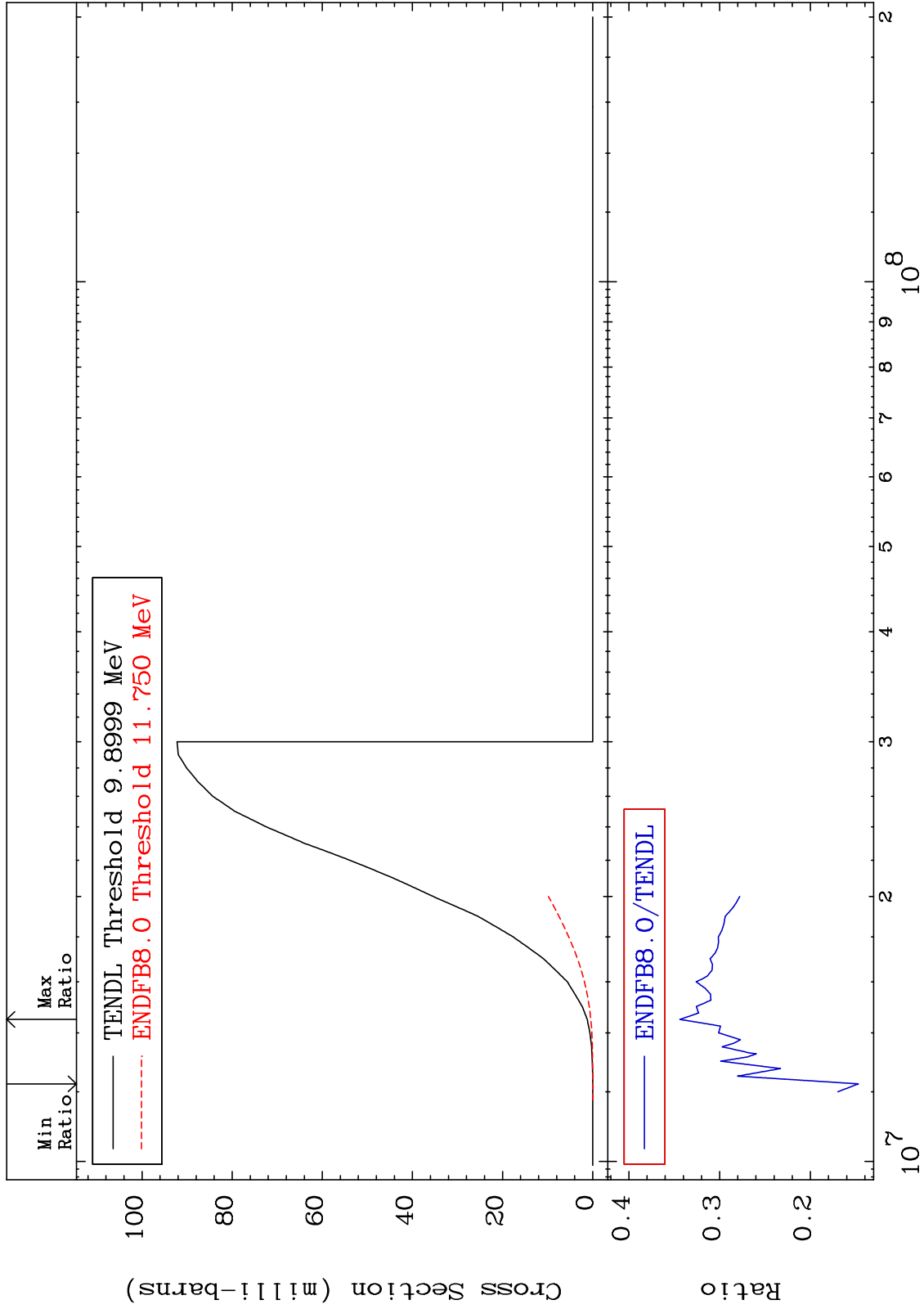
MAT 3640

(n,n') p

36-Kr-83

Cross Section

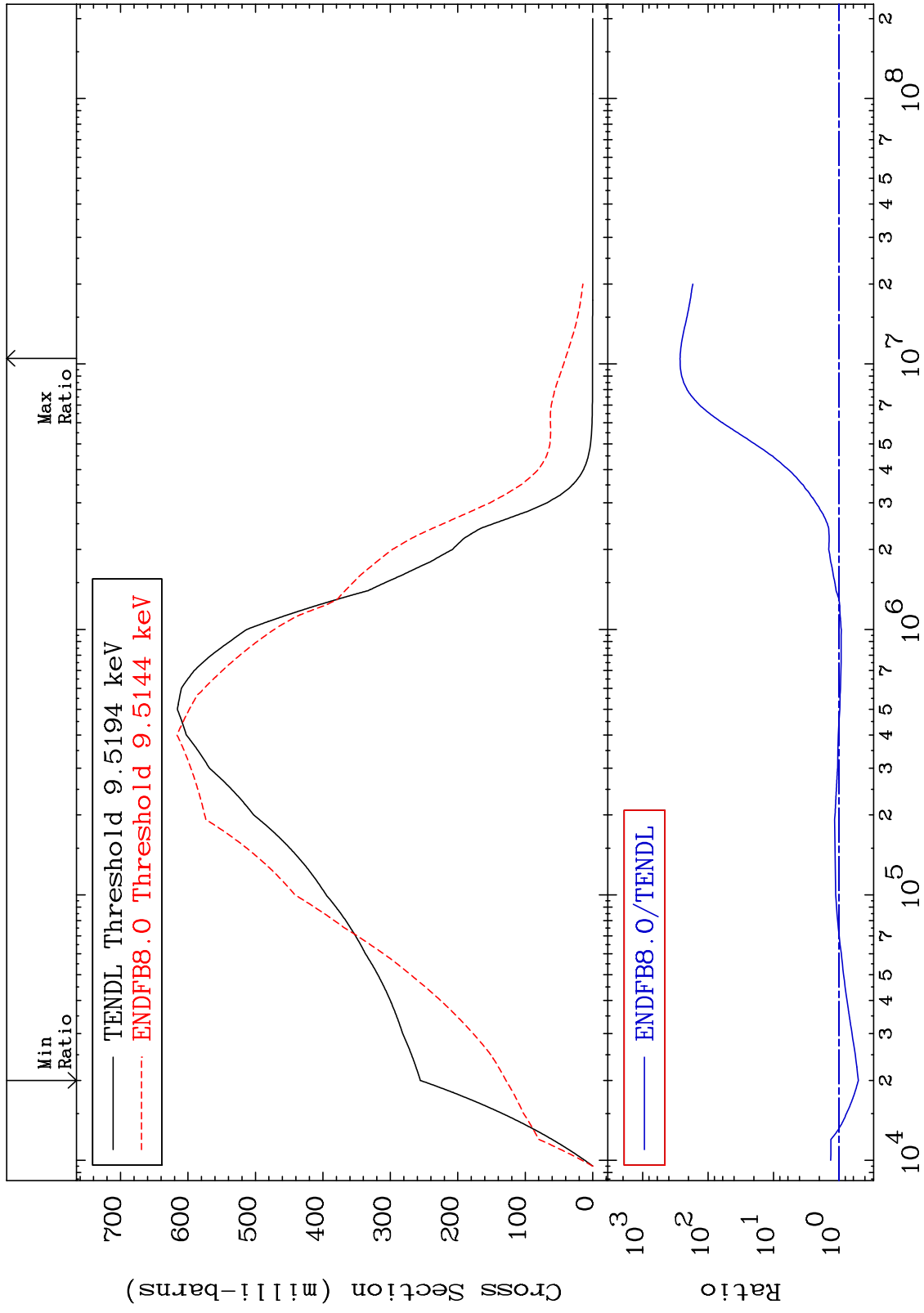
-85.29 To -65.63%



36-Kr-83

36-Kr-83

MAT 3640 MT= 51 (n,n') Level 36-Kr-83
 Cross Section -49.68 To 9999. %

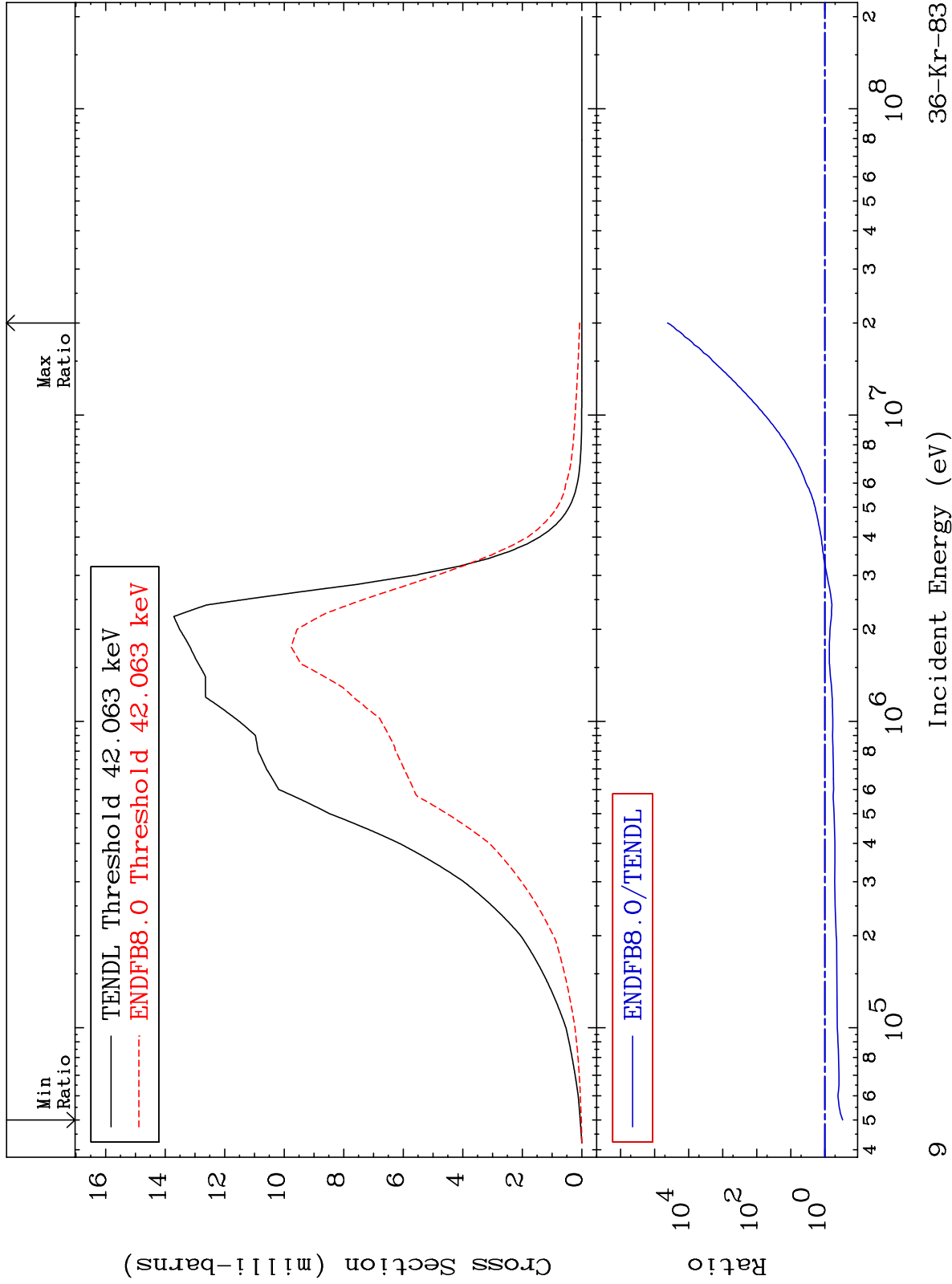


8 Incident Energy (eV) 36-Kr-83

MAT 3640

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

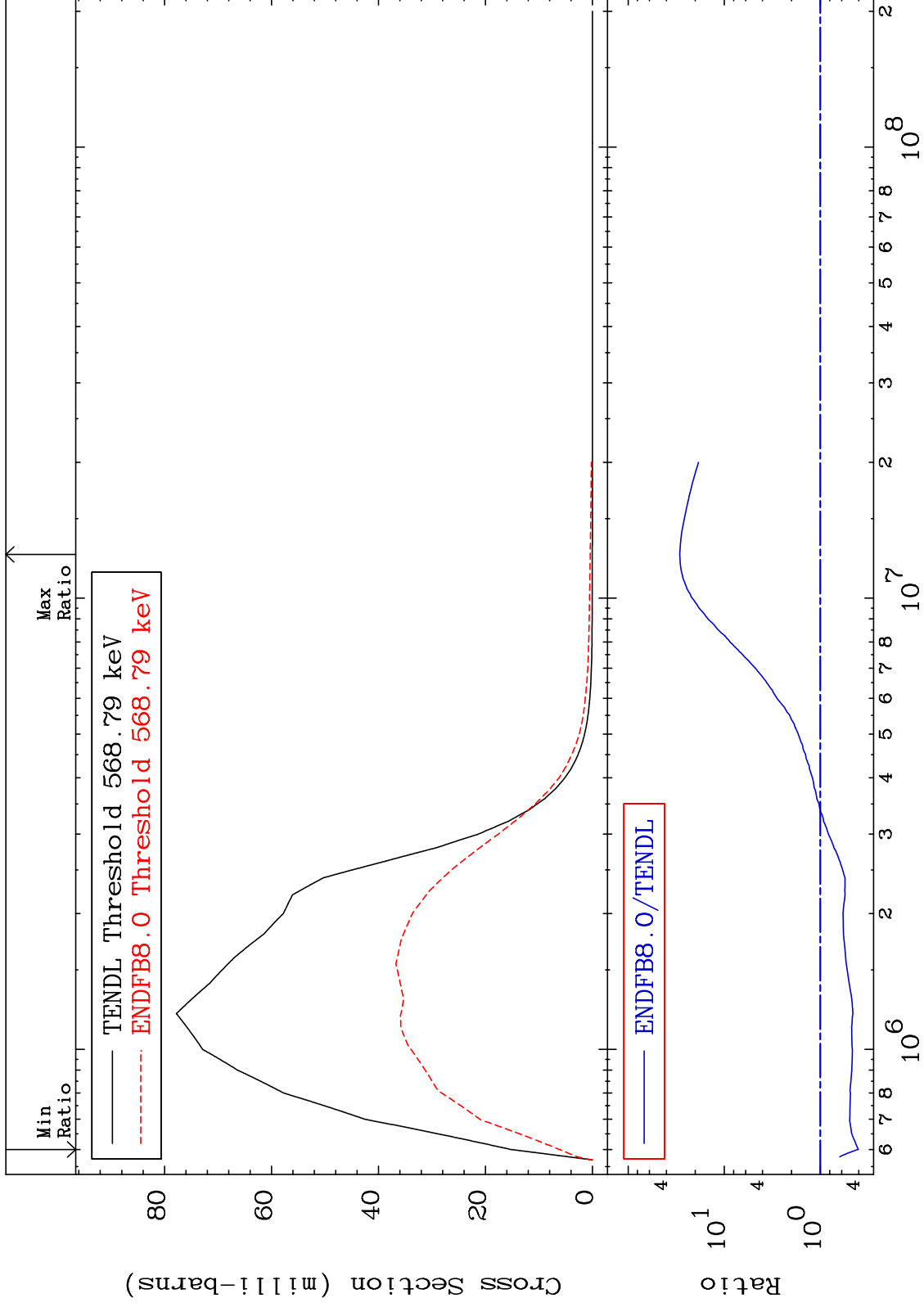
36-Kr-83
-70.05 To 9999. %



MAT 3640

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

36-Kr-83
-59.71 To 2801. %

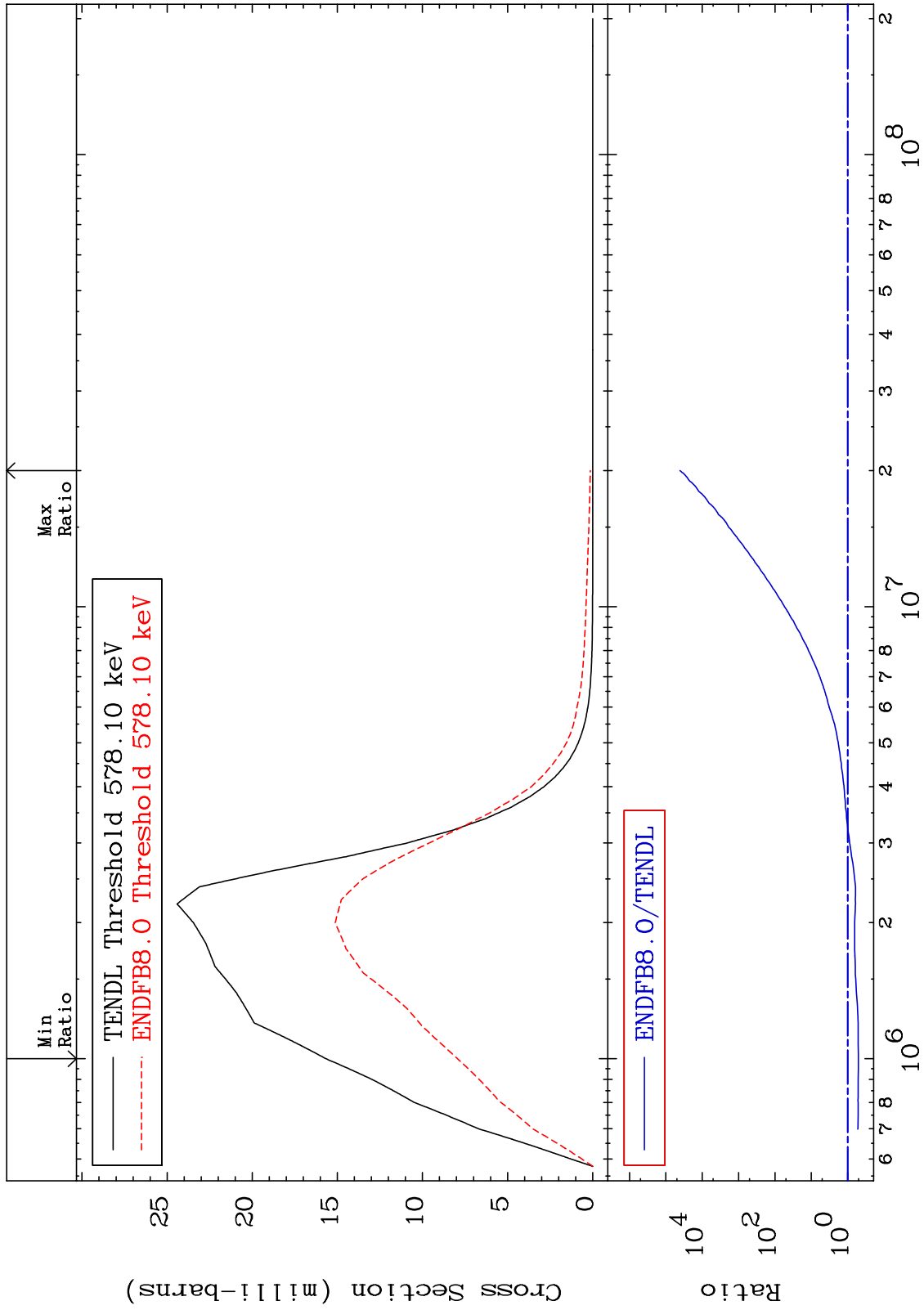


10

Incident Energy (eV)

36-Kr-83

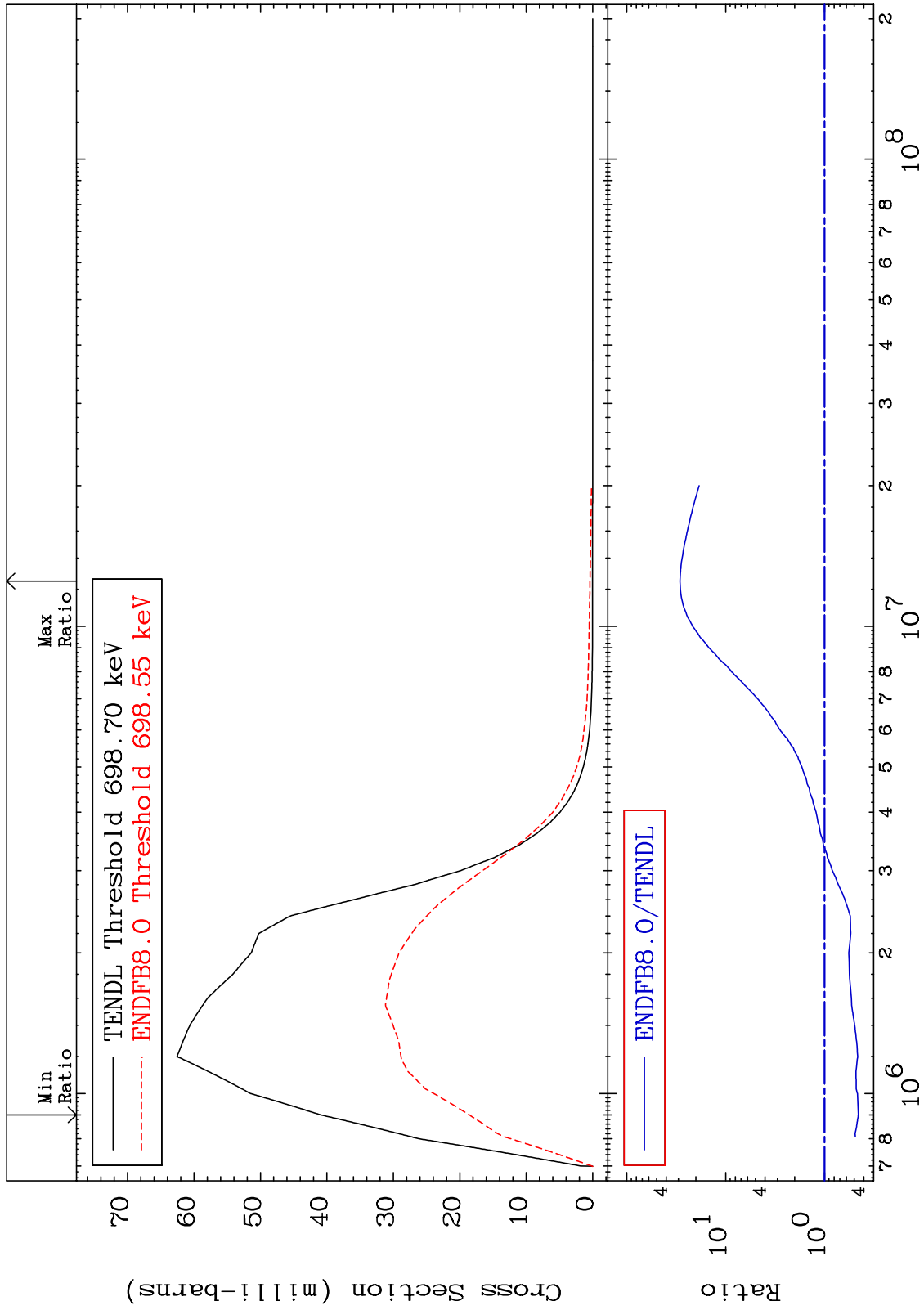
MAT 3640 MT= 54 (n,n') Level Cross Section -49.36 To 9999. % 36-Kr-83



MAT 3640

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

36-Kr-83
-54.61 To 2797. %



12

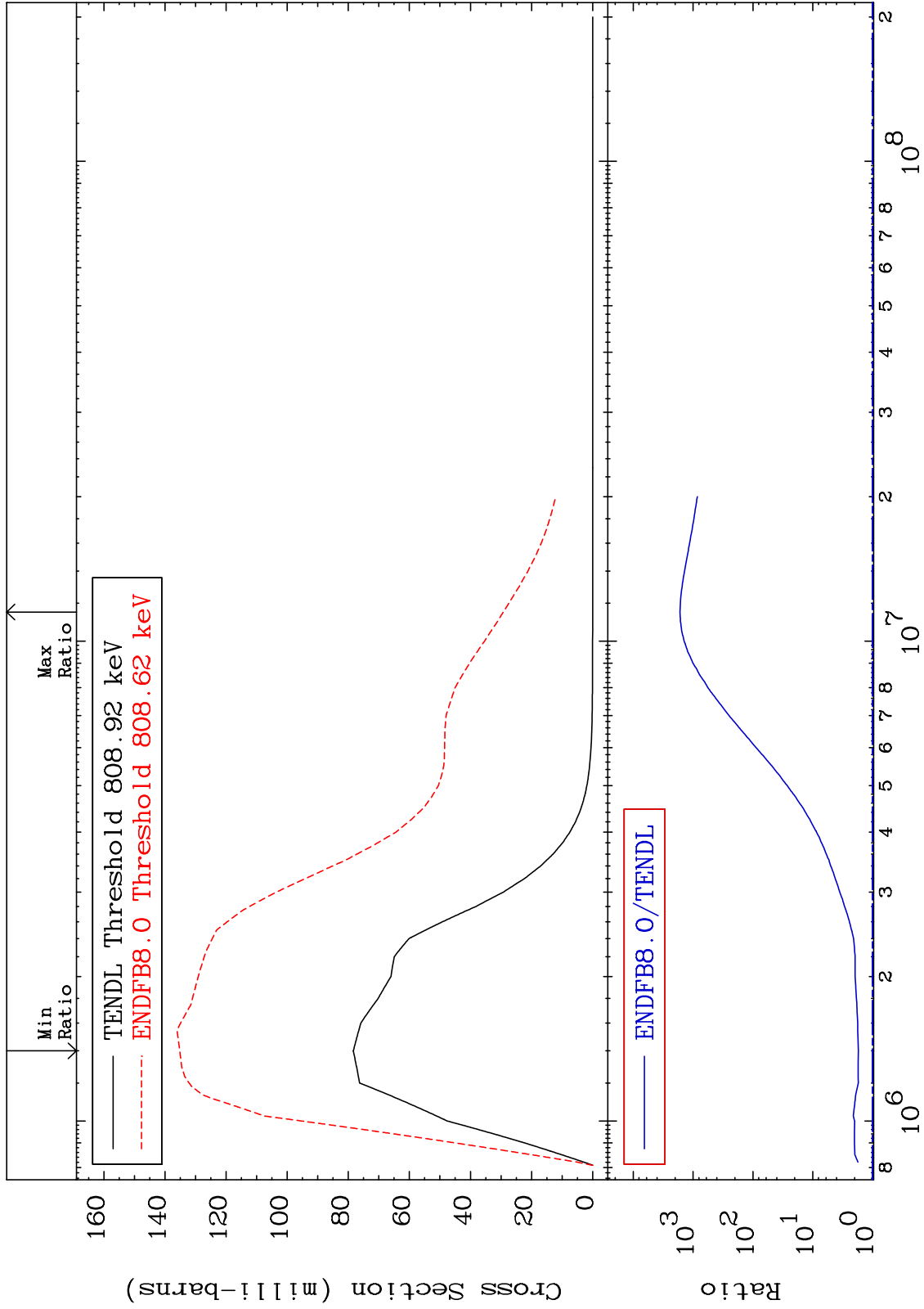
Incident Energy (eV)

36-Kr-83

MAT 3640

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

72.52 To 9999. %
36-Kr-83



13

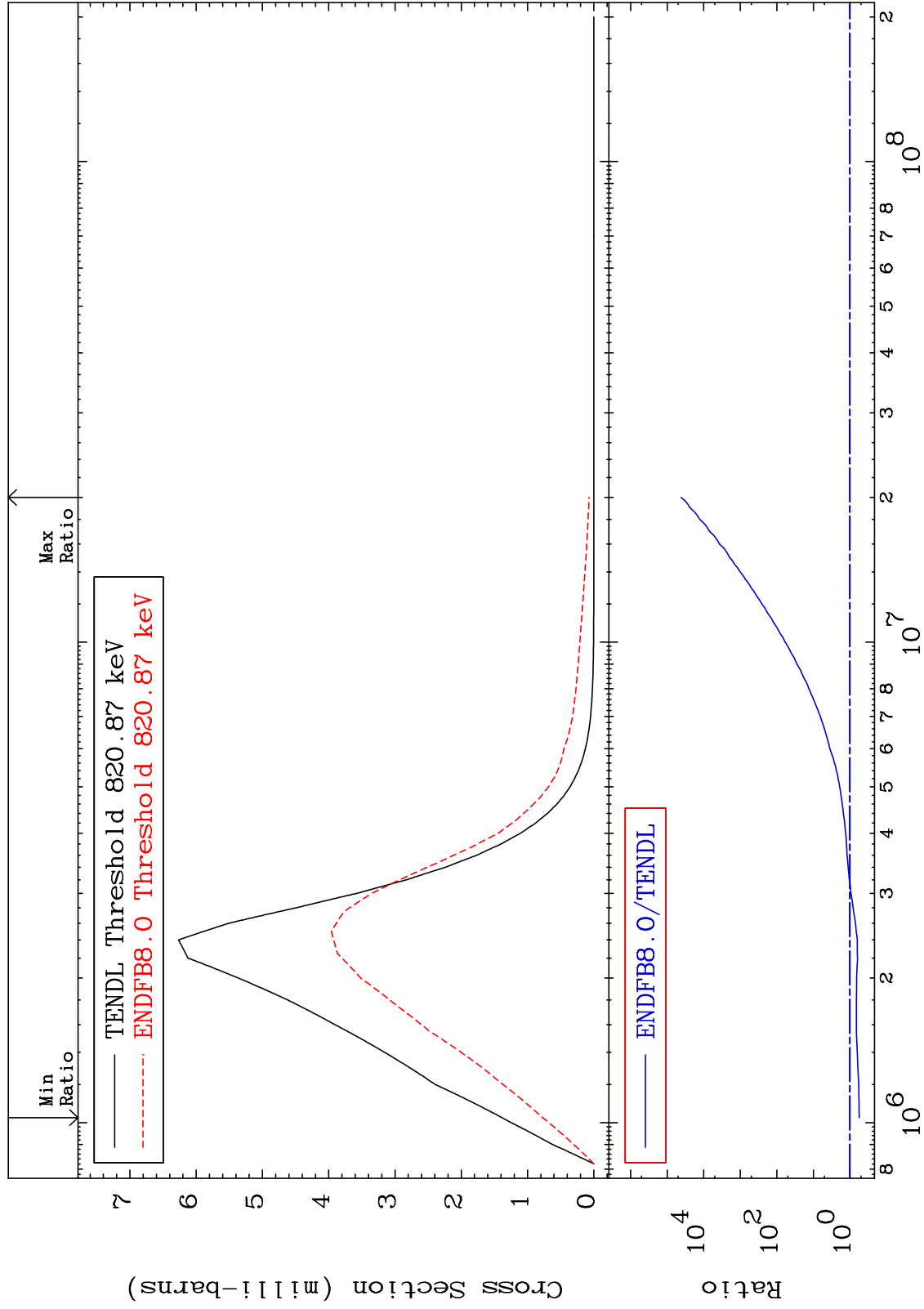
Incident Energy (eV)

36-Kr-83

MAT 3640

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

36-Kr-83
-44.43 To 9999. %



14

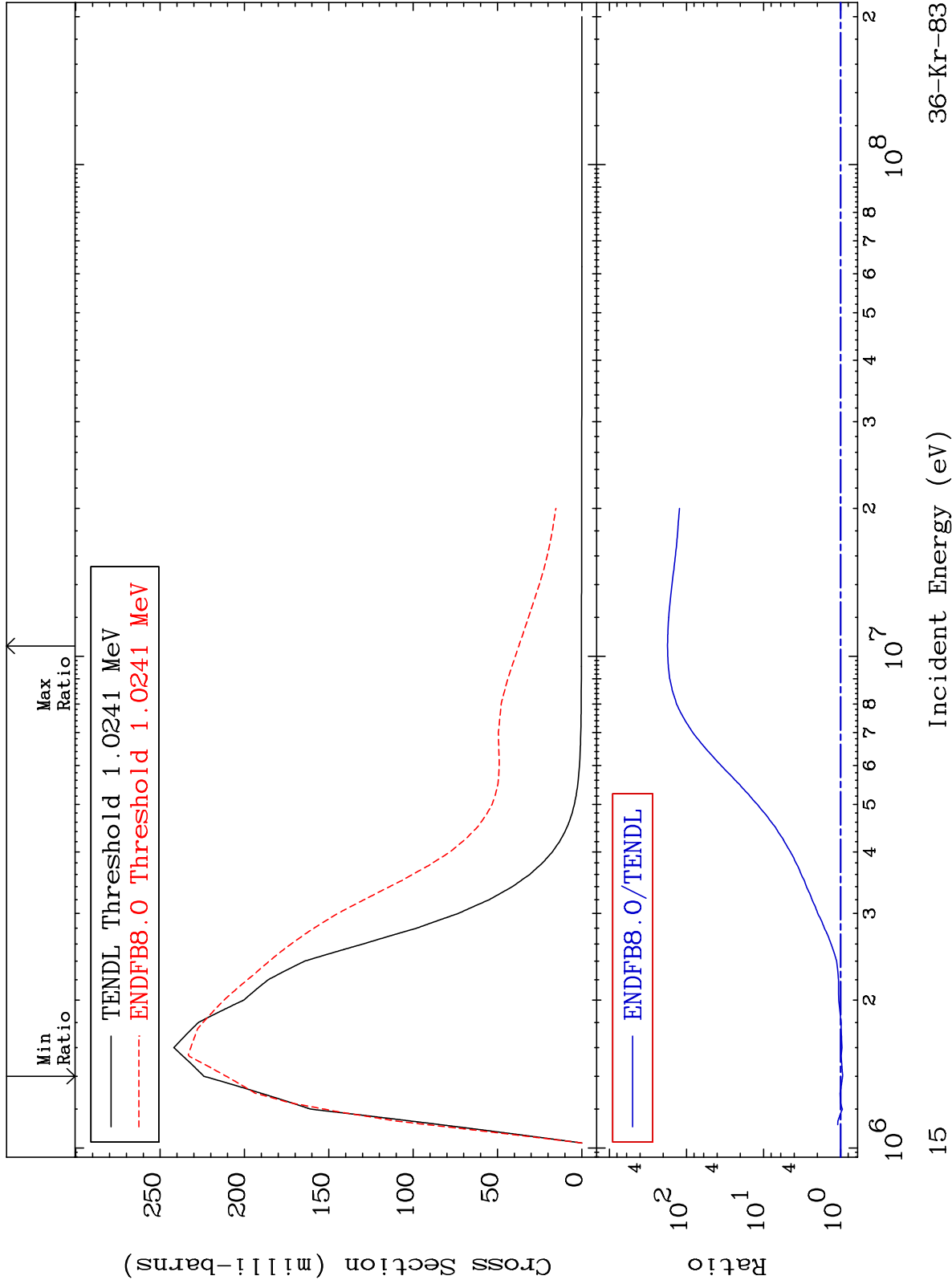
Incident Energy (eV)

36-Kr-83

MAT 3640

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

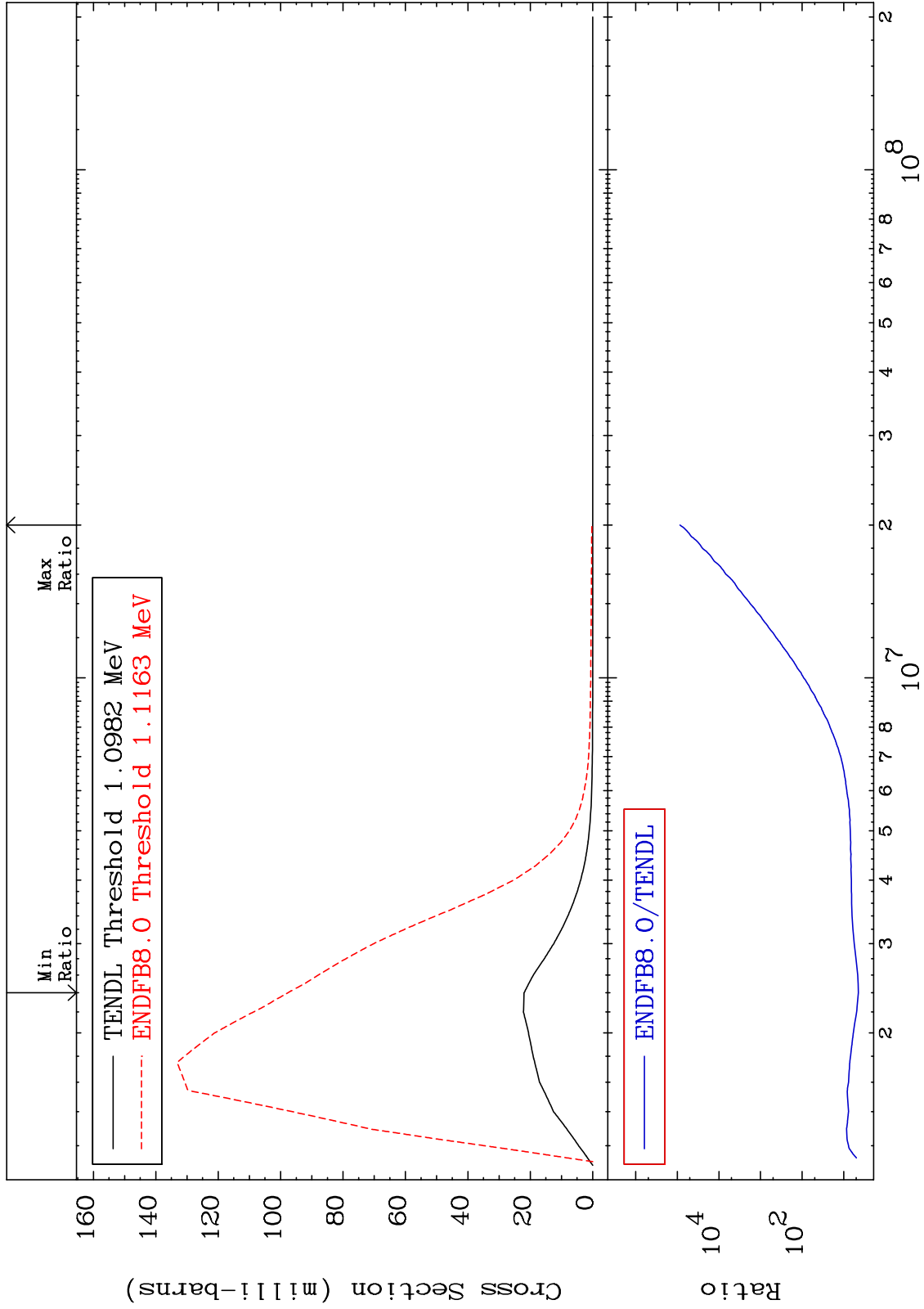
36-Kr-83
-5.932 To 9999. %



MAT 3640

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

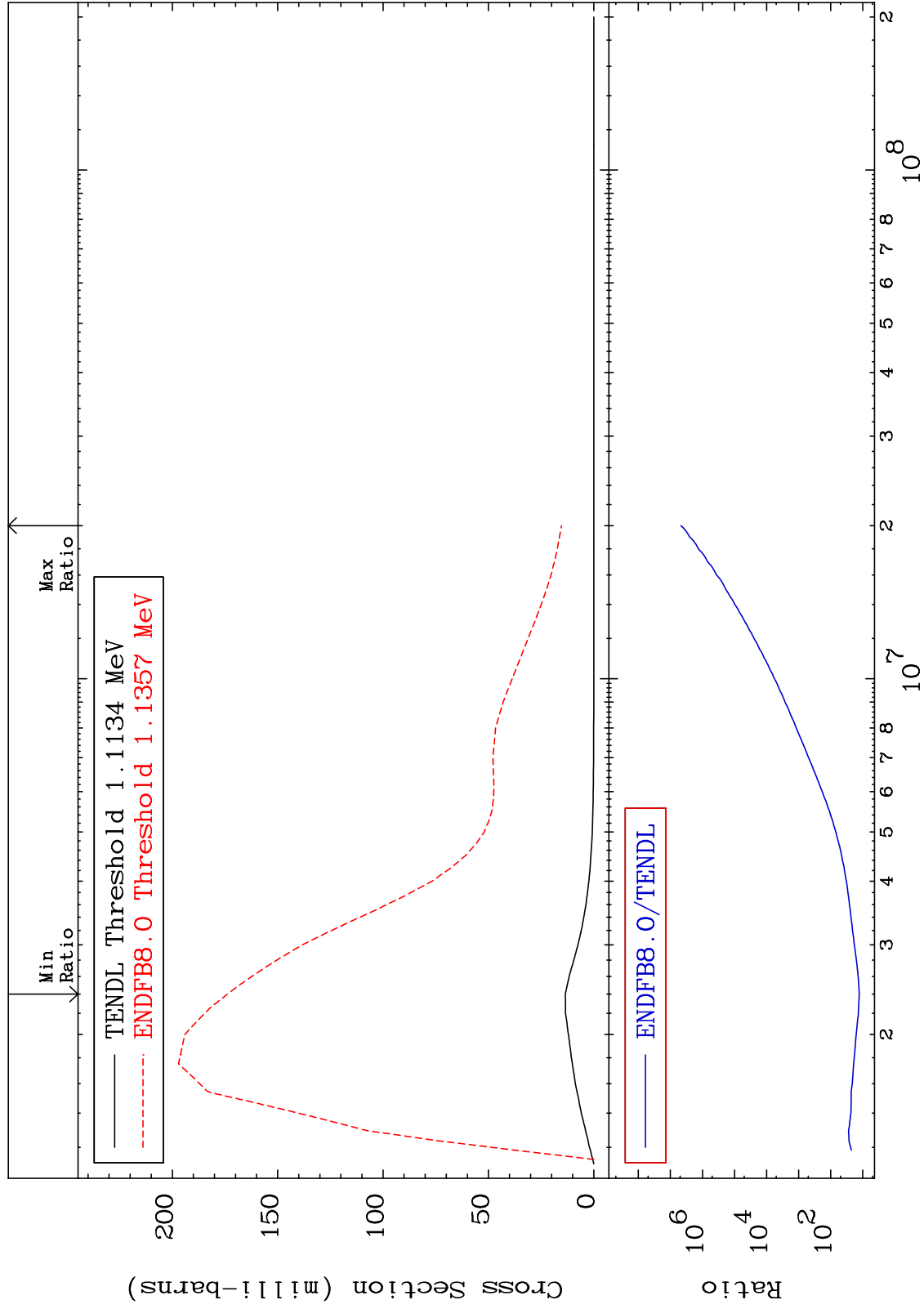
344.1 To 9999. %
36-Kr-83



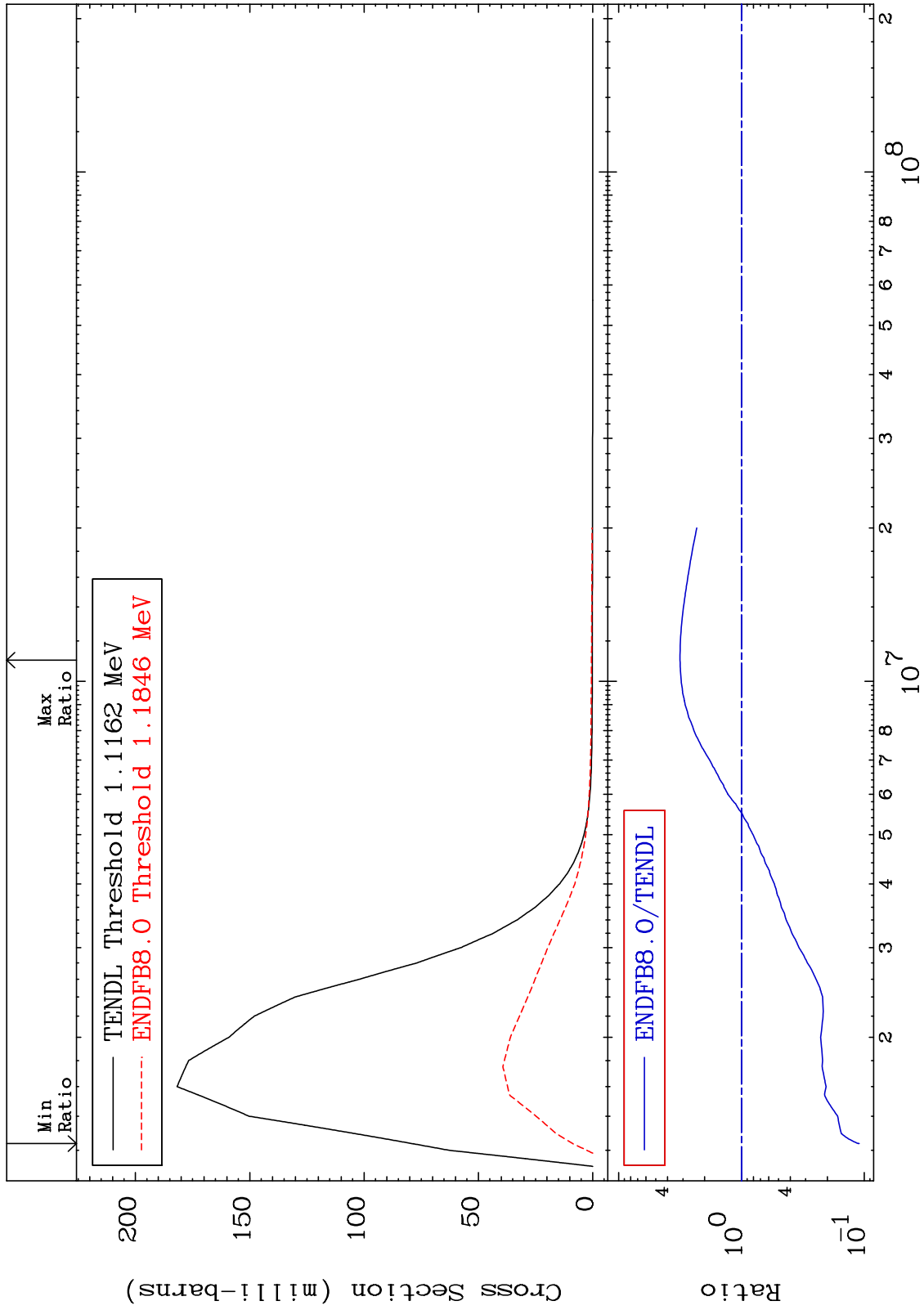
MAT 3640

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

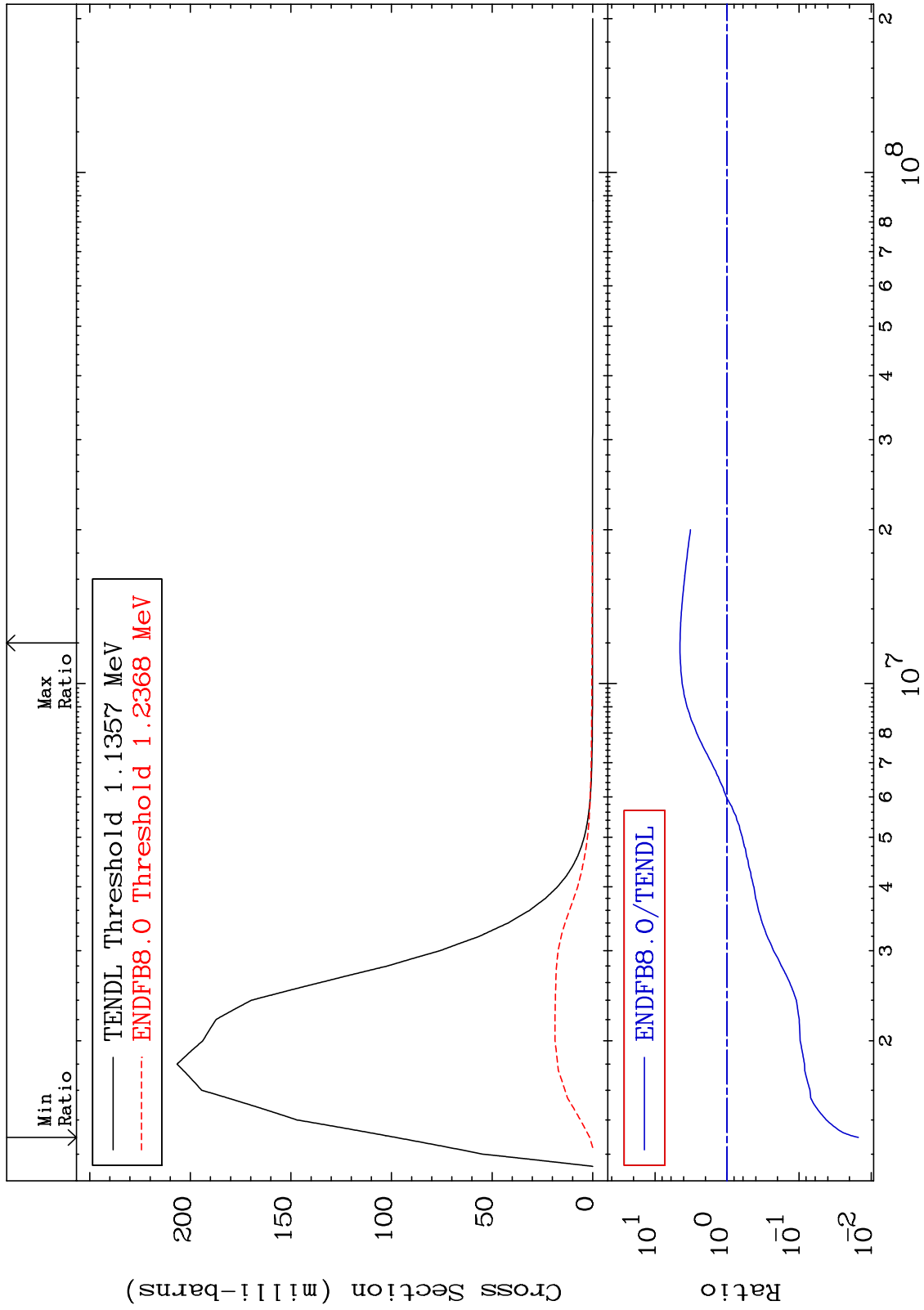
1188. To 9999. %
36-Kr-83



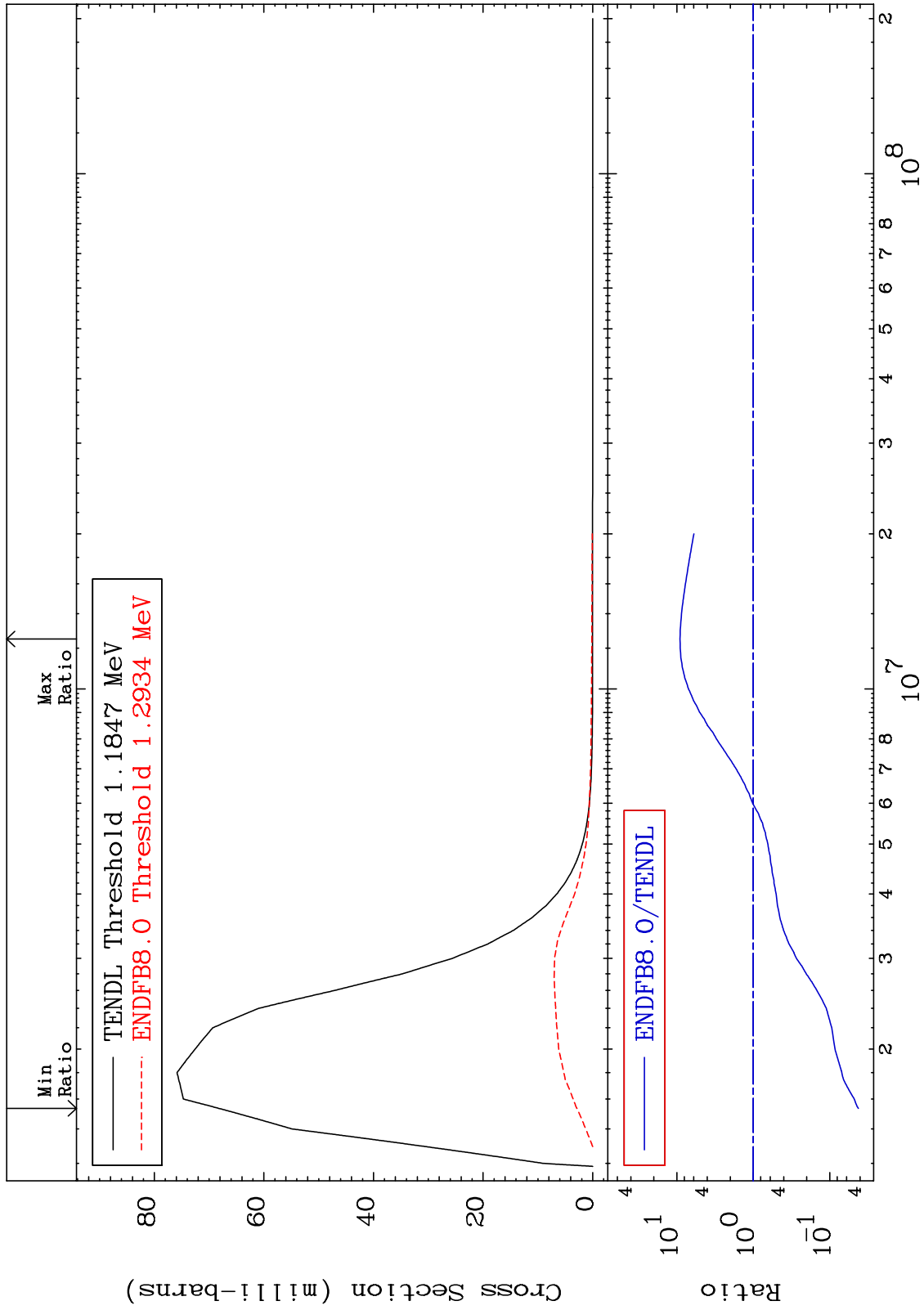
MAT 3640 MT= 61 (n,n') Level Cross Section -88.84 To 216.7 % 36-Kr-83



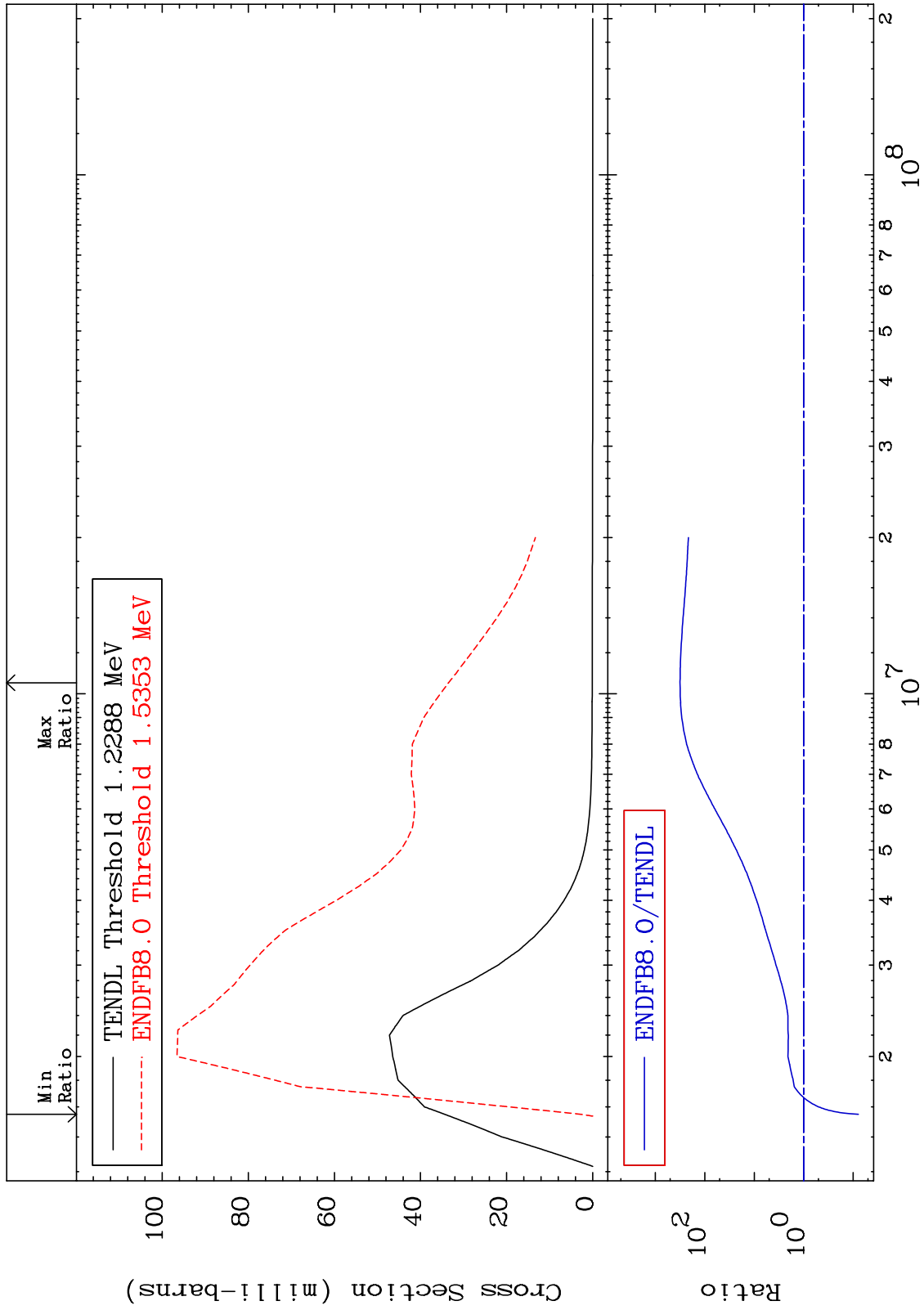
MAT 3640 MT= 62 (n,n') Level Cross Section -98.50 To 350.6 % 36-Kr-83



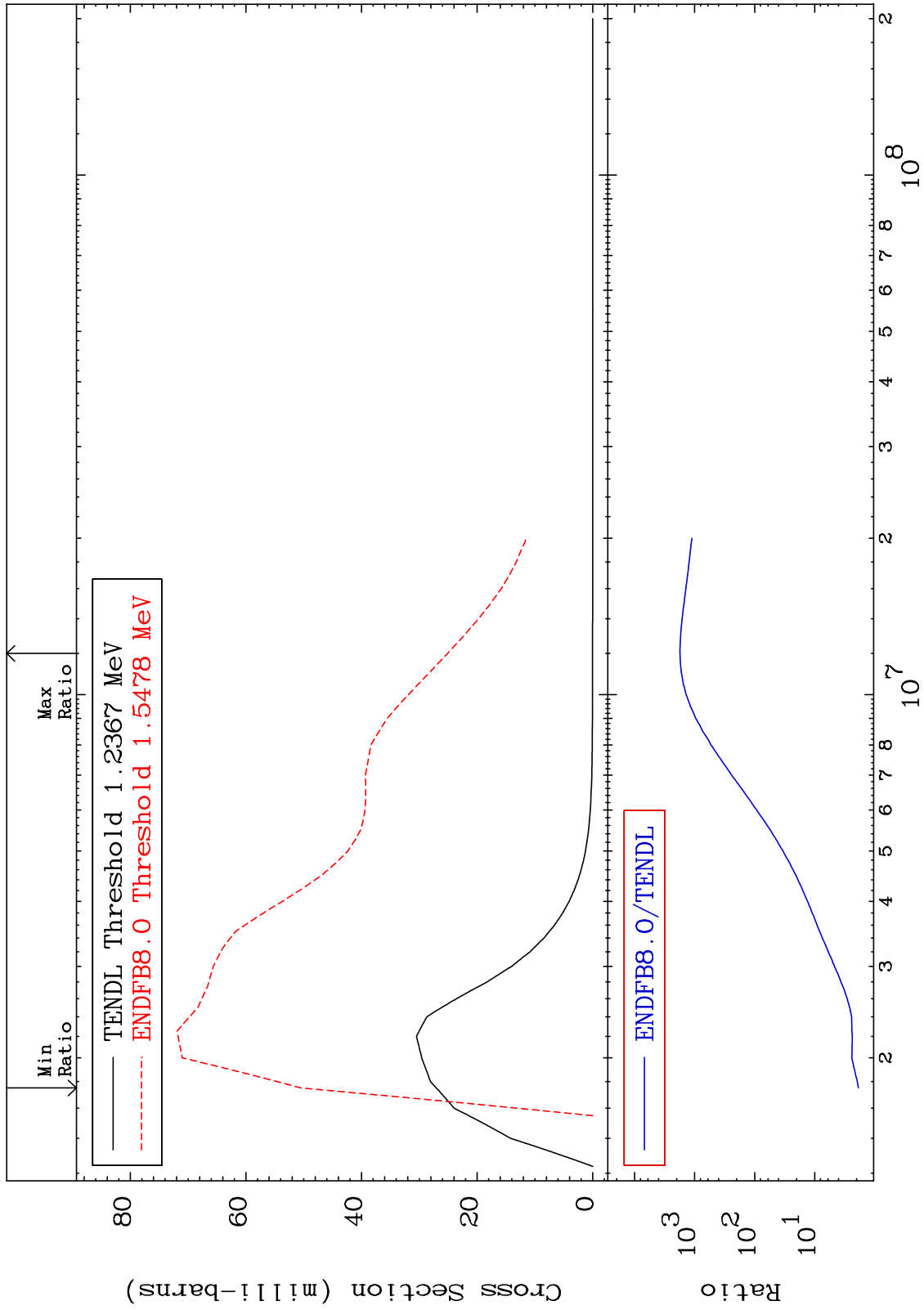
MAT 3640 MT= 63 (n,n') Level Cross Section 36-Kr-83
 -95.78 To 808.6 %



MAT 3640 MT= 64 (n,n') Level Cross Section 36-Kr-83
 -92.19 To 9999. %



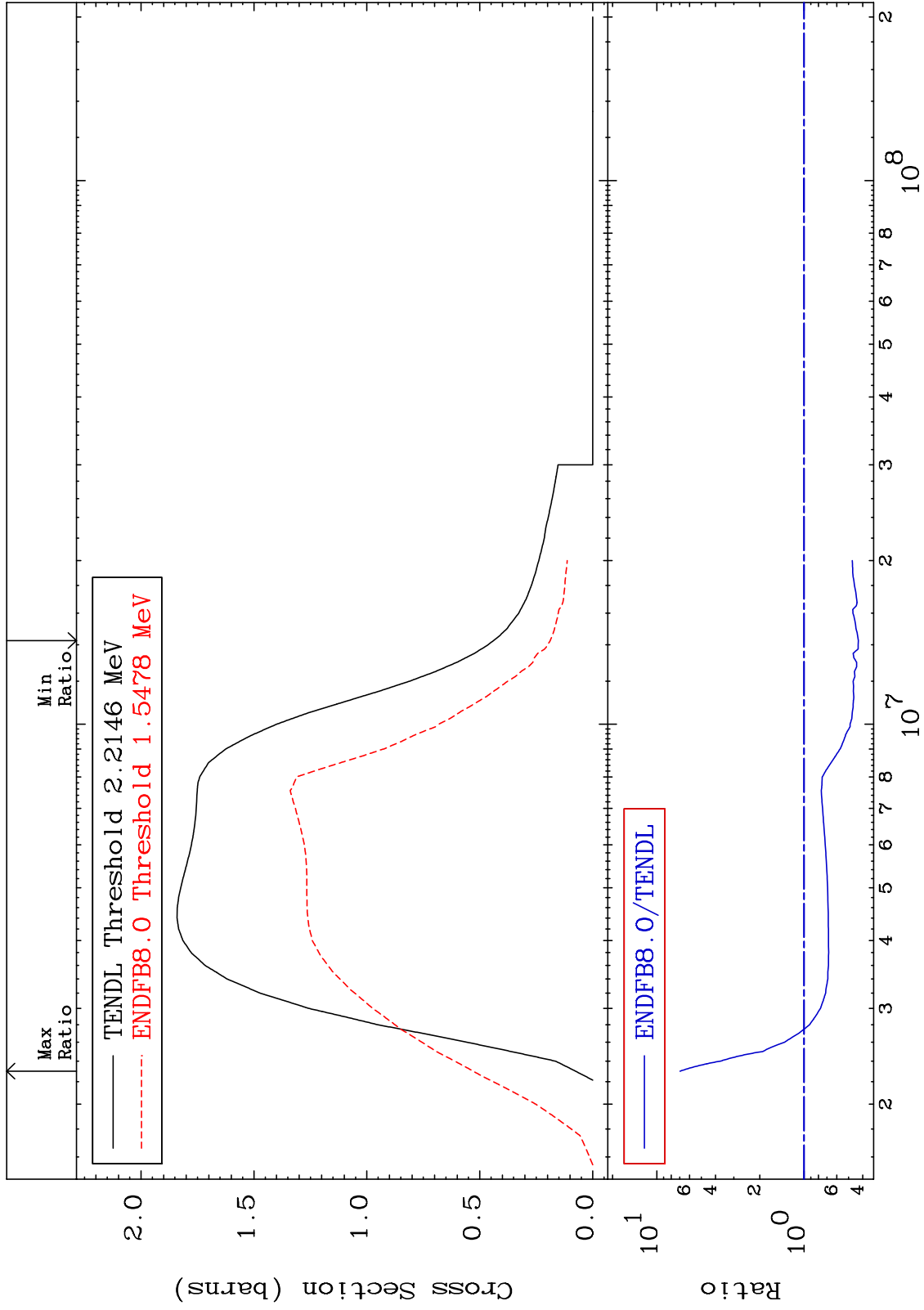
MAT 3640 MT= 65 (n,n') Level Cross Section 36-Kr-83 86.52 To 9999. %



MAT 3640

(n, n') Continuum
Cross Section

36-Kr-83
-57.19 To 596.7 %

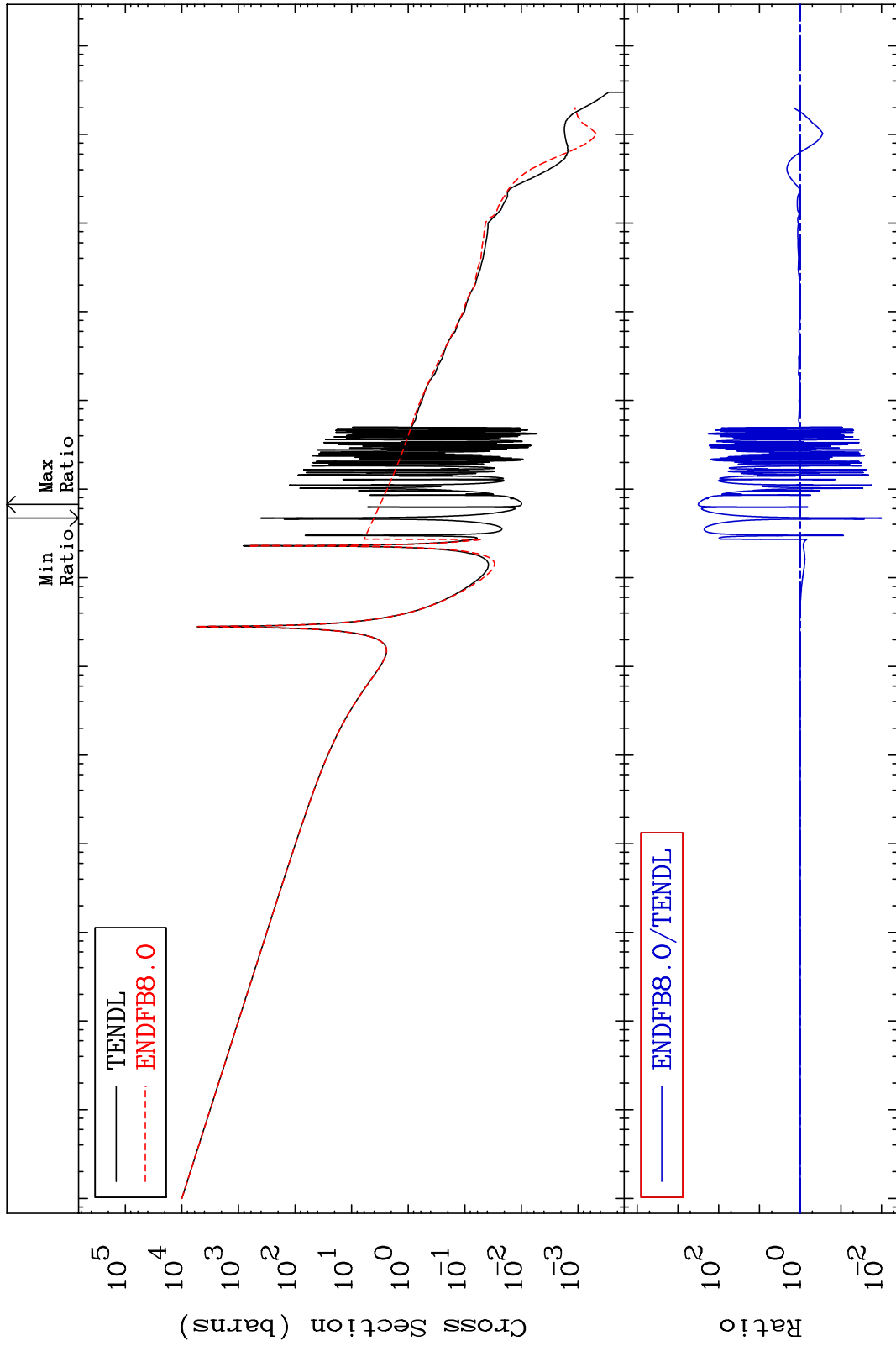


MAT 3640

36-Kr-83

-99.00 To 9999. %

(n, γ)
Cross Section



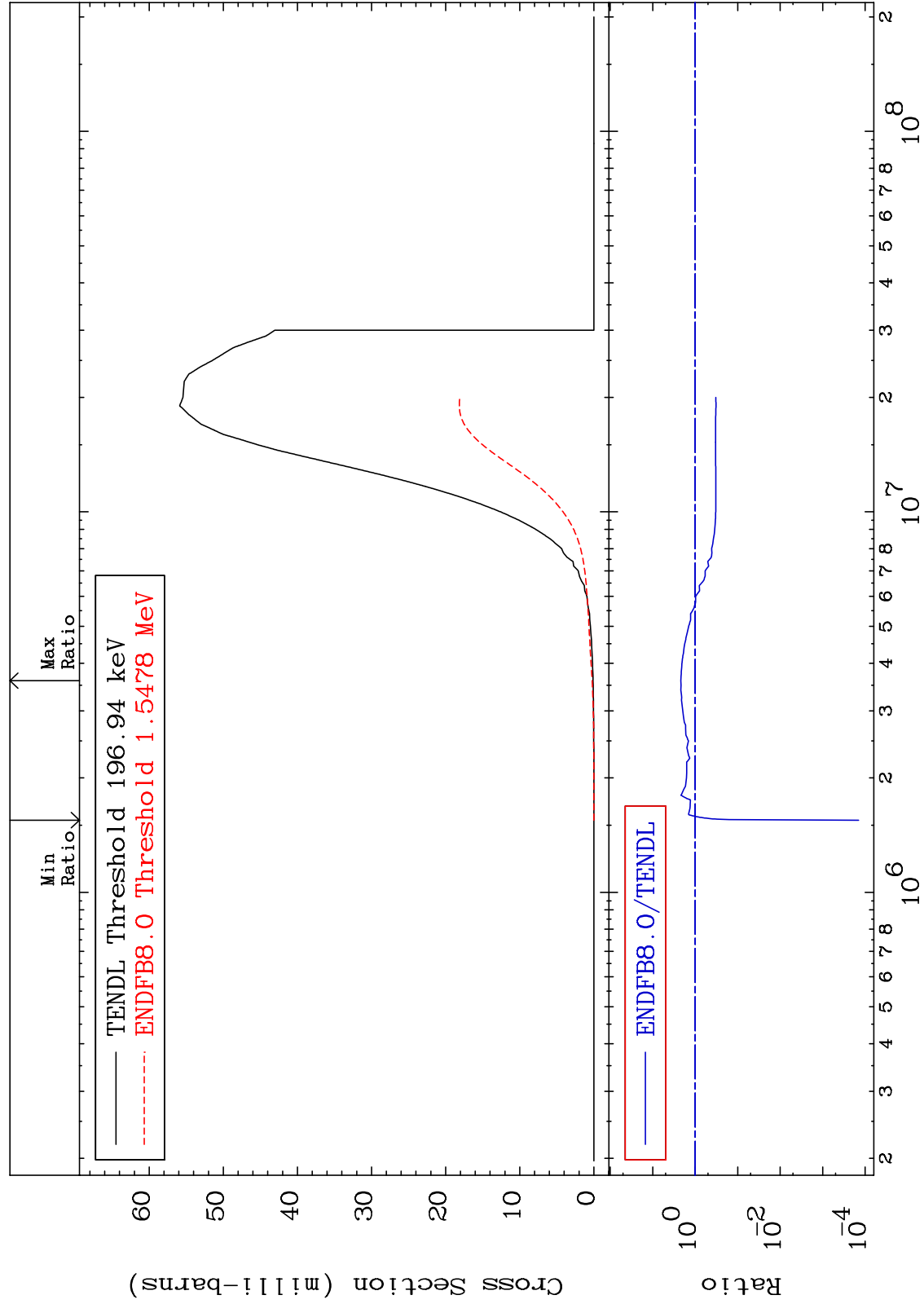
MAT 3640

(n, p)

36-Kr-83

-99.99 To 117.6 %

Cross Section



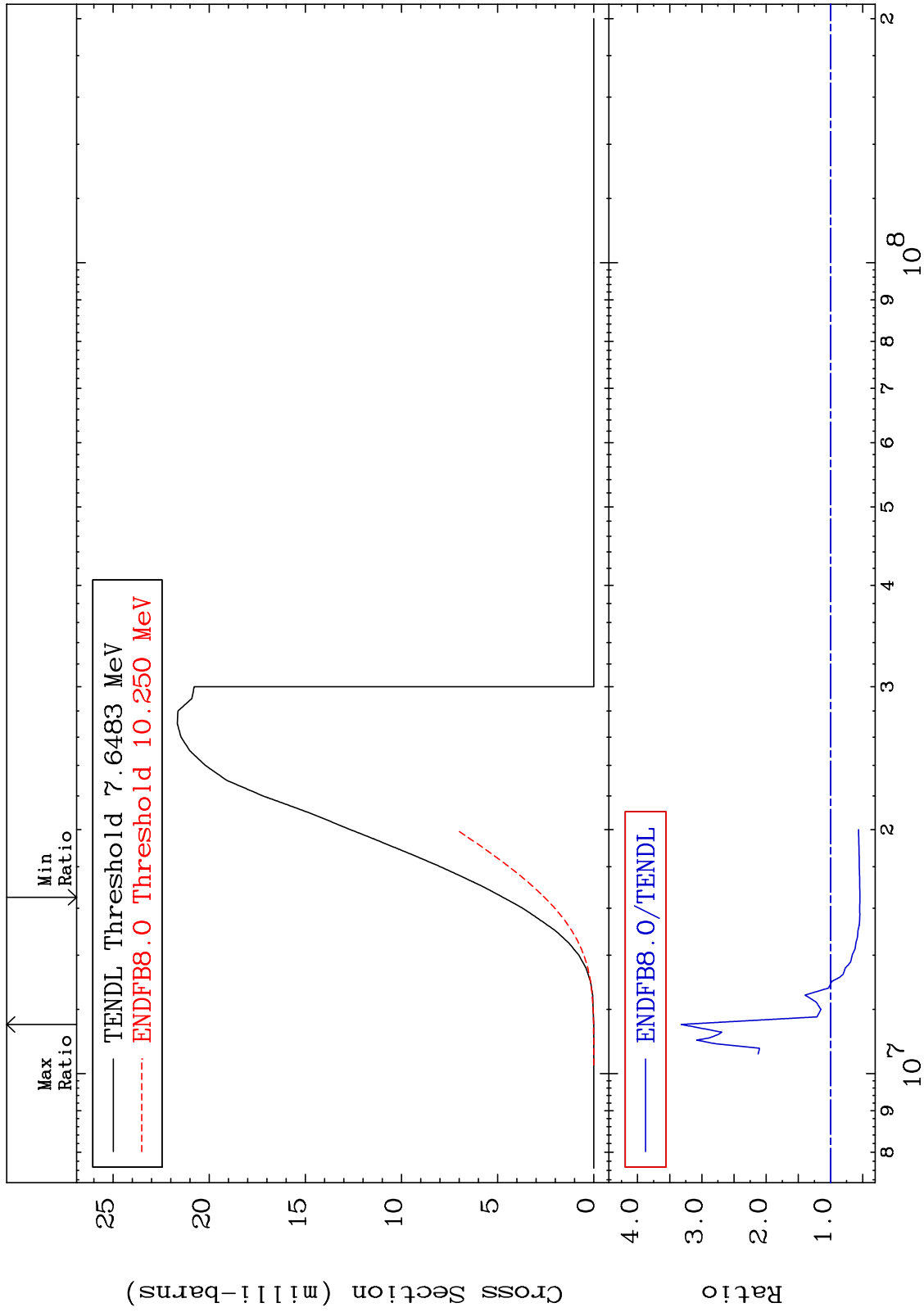
MAT 3640

(n, d)

36-Kr-83

Cross Section

-45.73 To 232.1 %



26

36-Kr-83

36-Kr-83

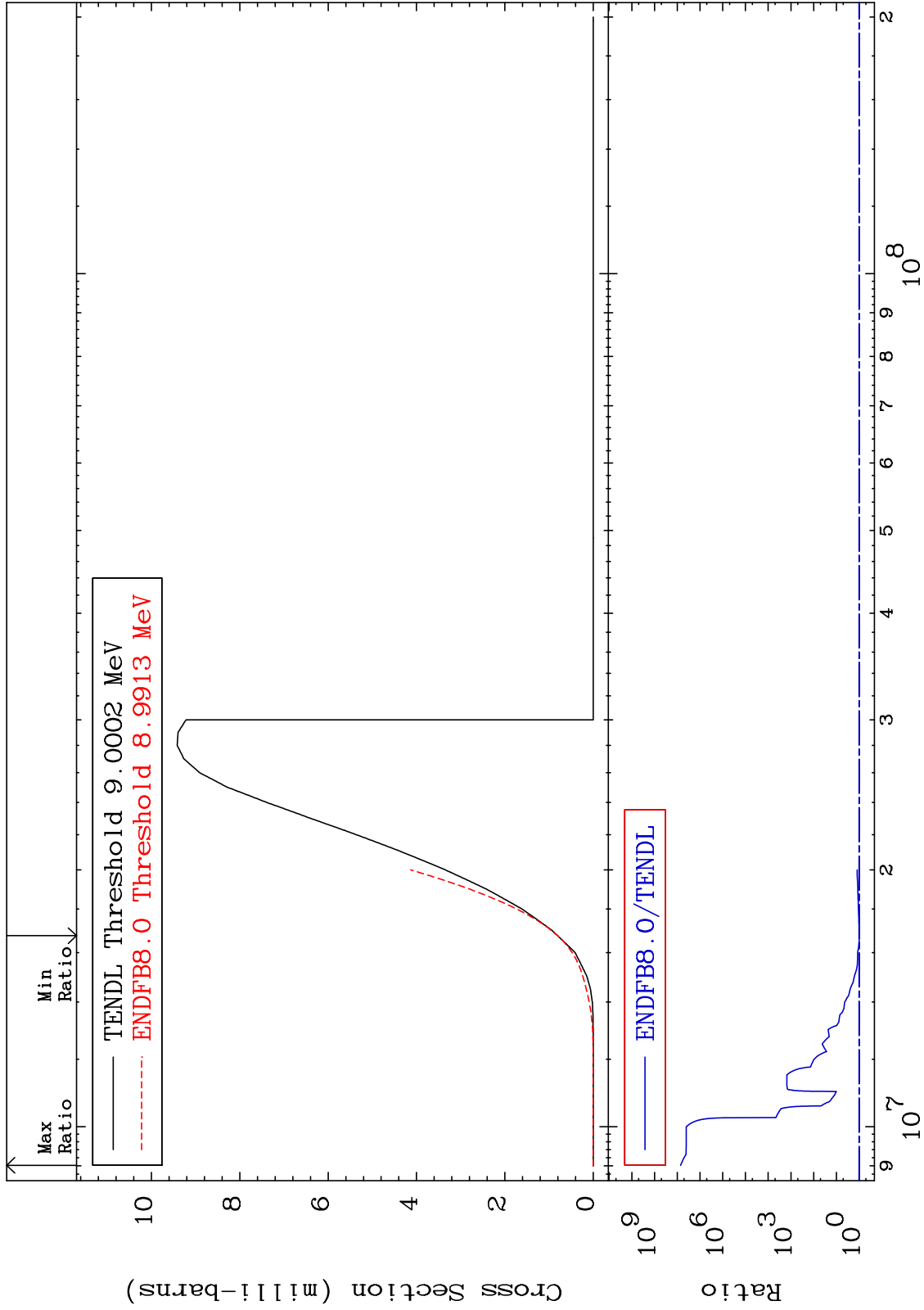
MAT 3640

(n, t)

36-Kr-83

Cross Section

-0.205 To 9999. %



27

Incident Energy (eV)

36-Kr-83

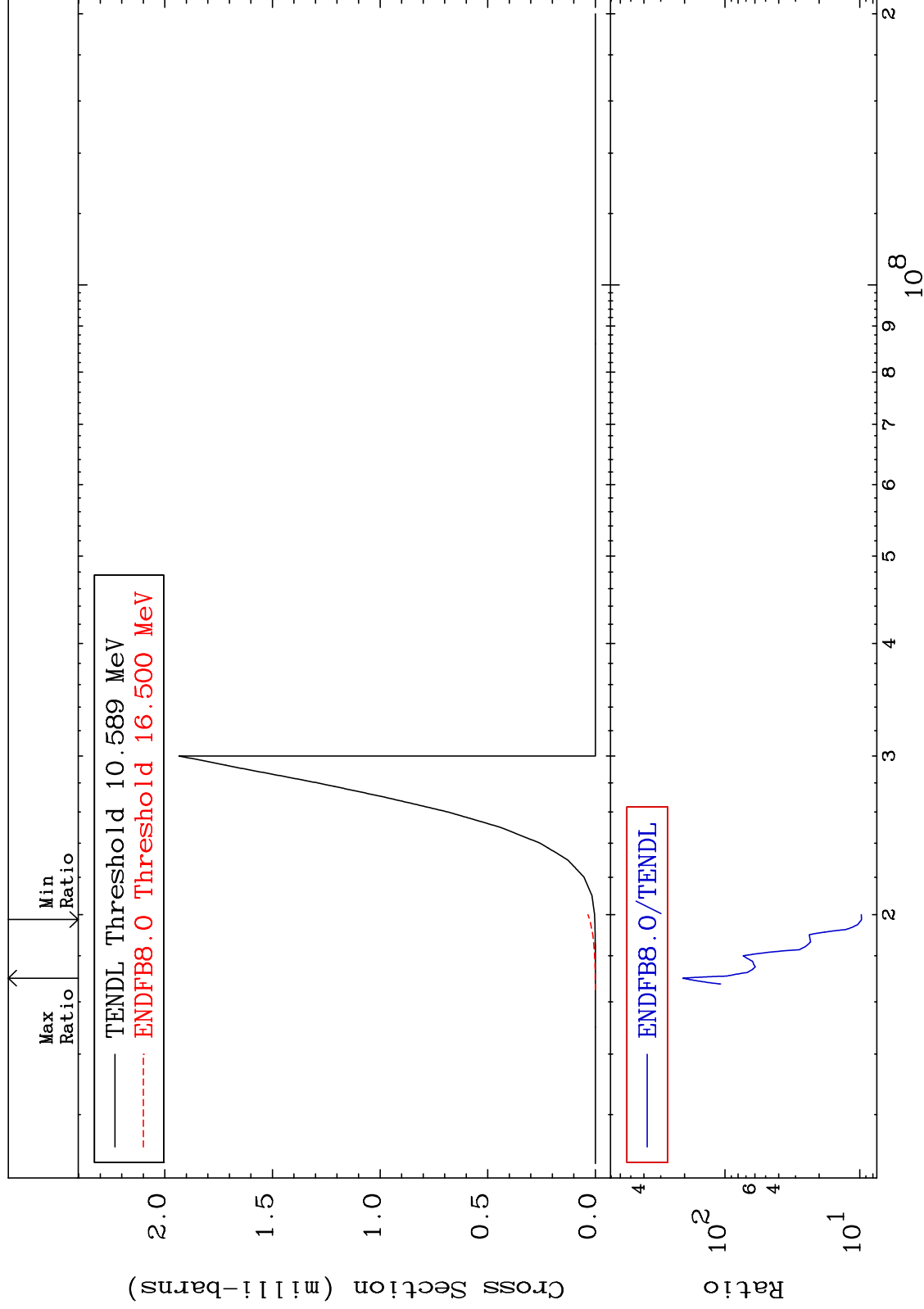
MAT 3640

(n, He-3)

36-Kr-83

Cross Section

869.3 To 9999. %



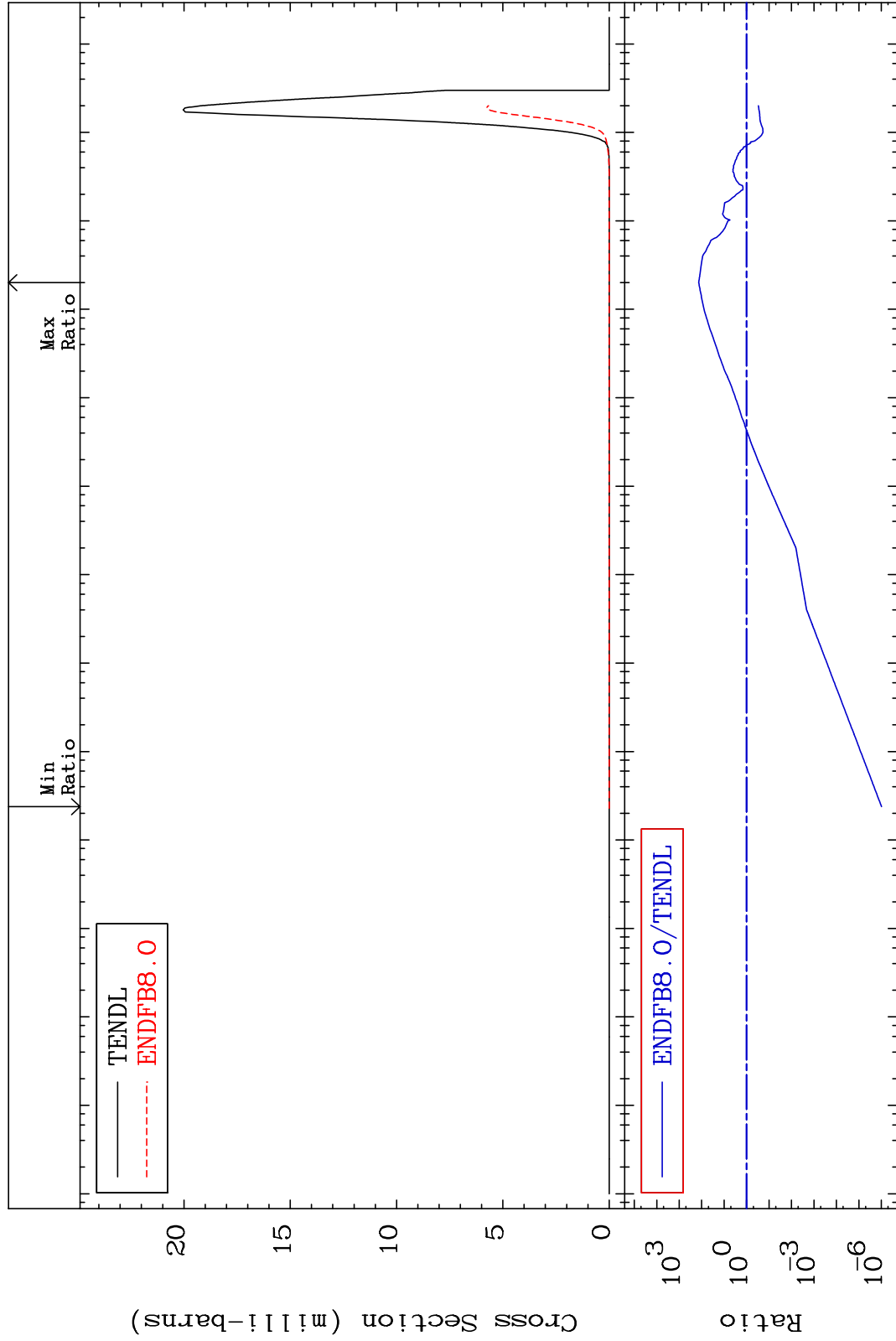
MAT 3640

(n, α)

36-Kr-83

Cross Section

-100.0 To 9999. %



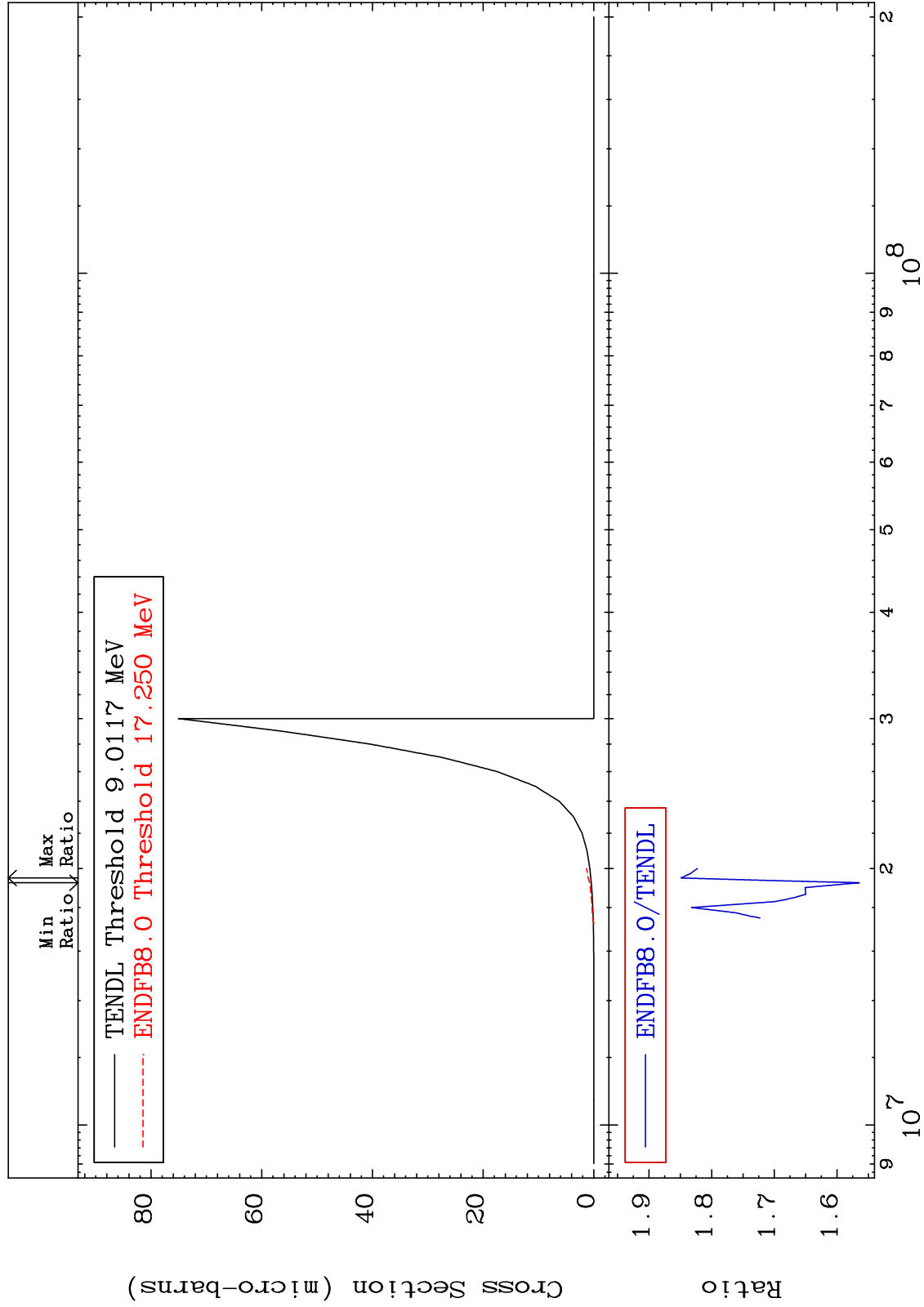
MAT 3640

(n,2p)

36-Kr-83

Cross Section

56.45 To 84.88 %



30

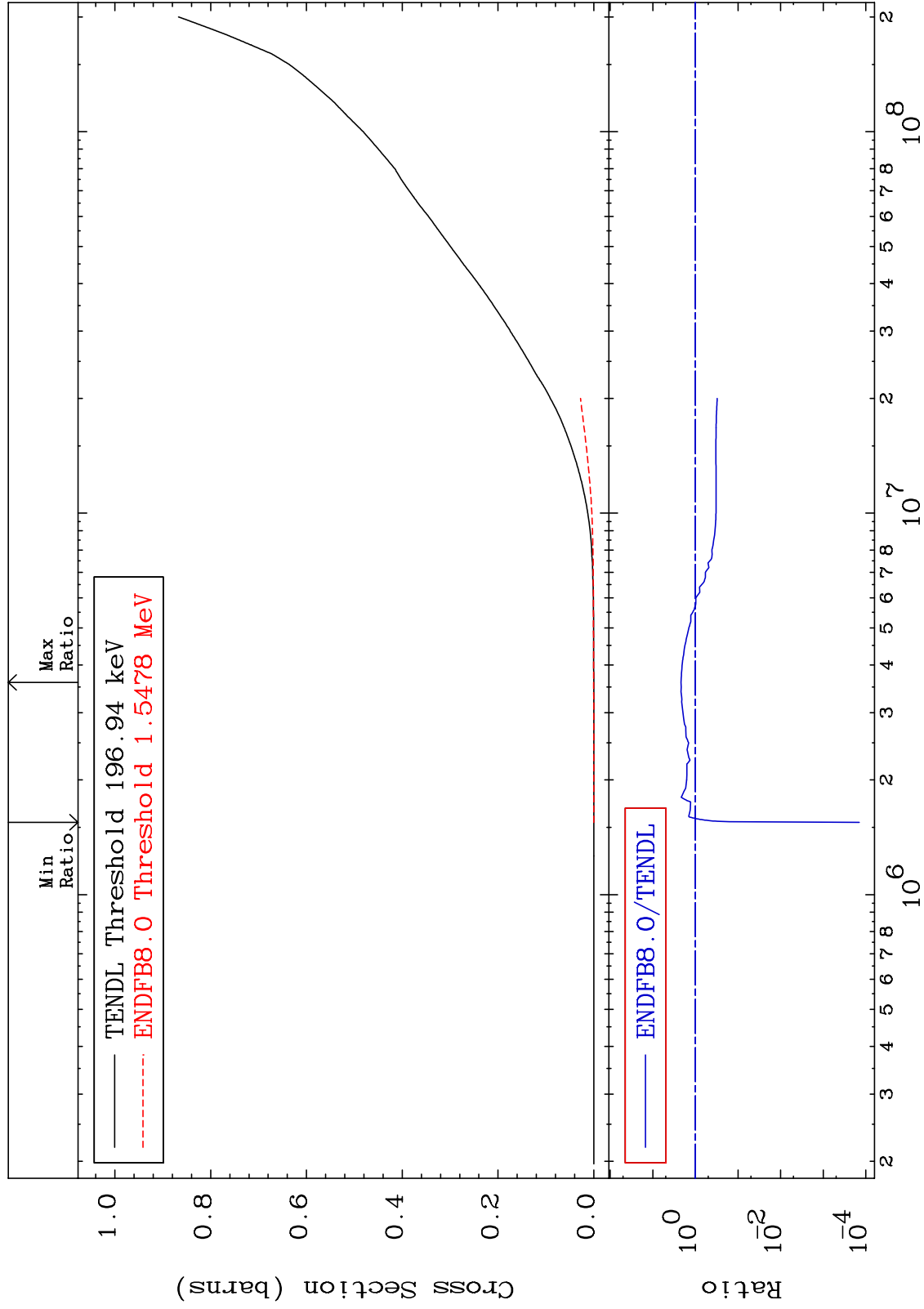
Incident Energy (eV)

36-Kr-83

MAT 3640

Hydrogen Production
Cross Section

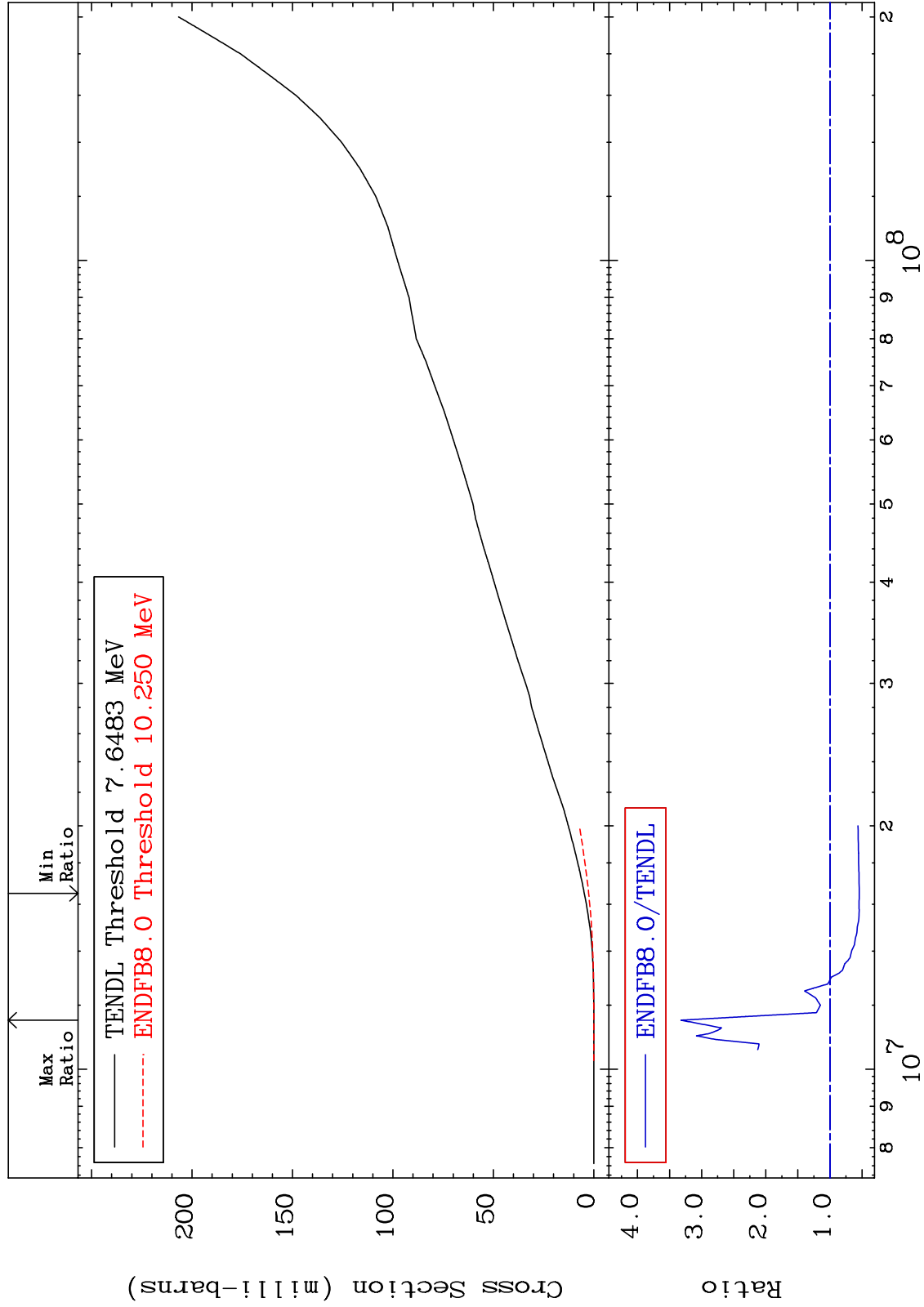
³⁶Kr-83
-99.99 To 117.6 %



MAT 3640

Deuterium Production
Cross Section

³⁶Kr-83
-45.73 To 232.1 %



32

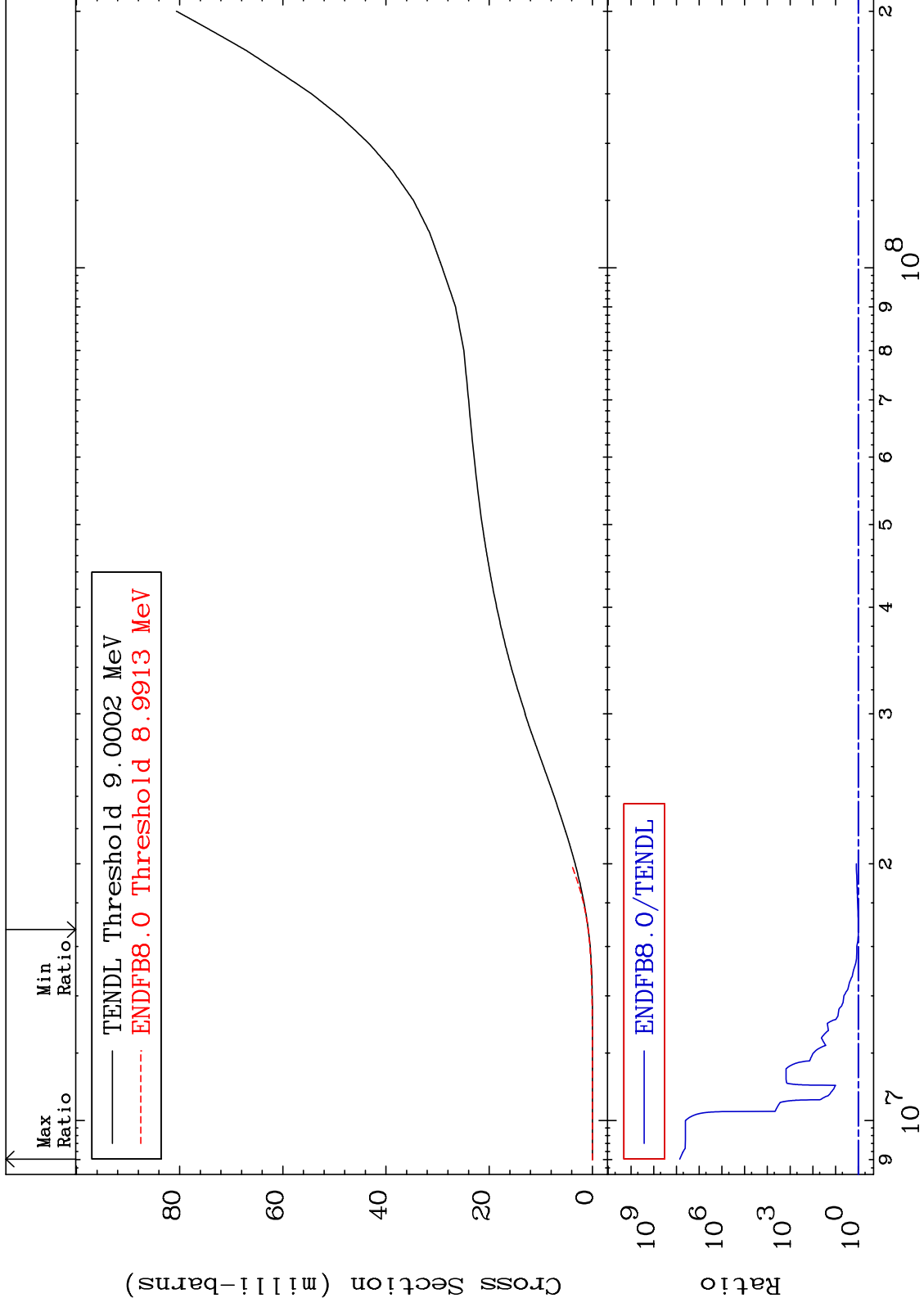
Incident Energy (eV)

³⁶Kr-83

MAT 3640

Tritium Production
Cross Section

³⁶Kr-83
-0.205 To 9999. %



33

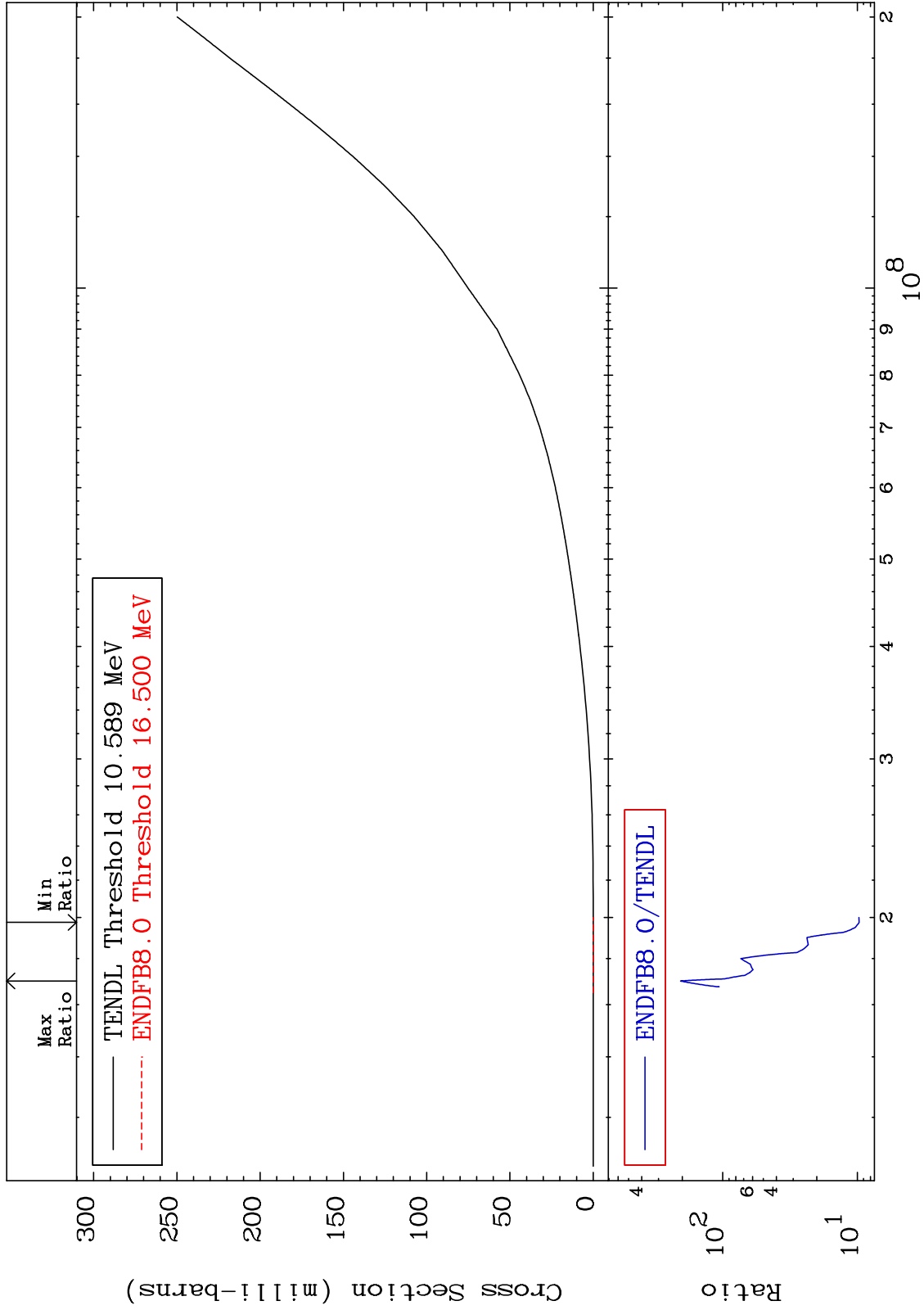
Incident Energy (eV)

³⁶Kr-83

MAT 3640

He-3 Production
Cross Section

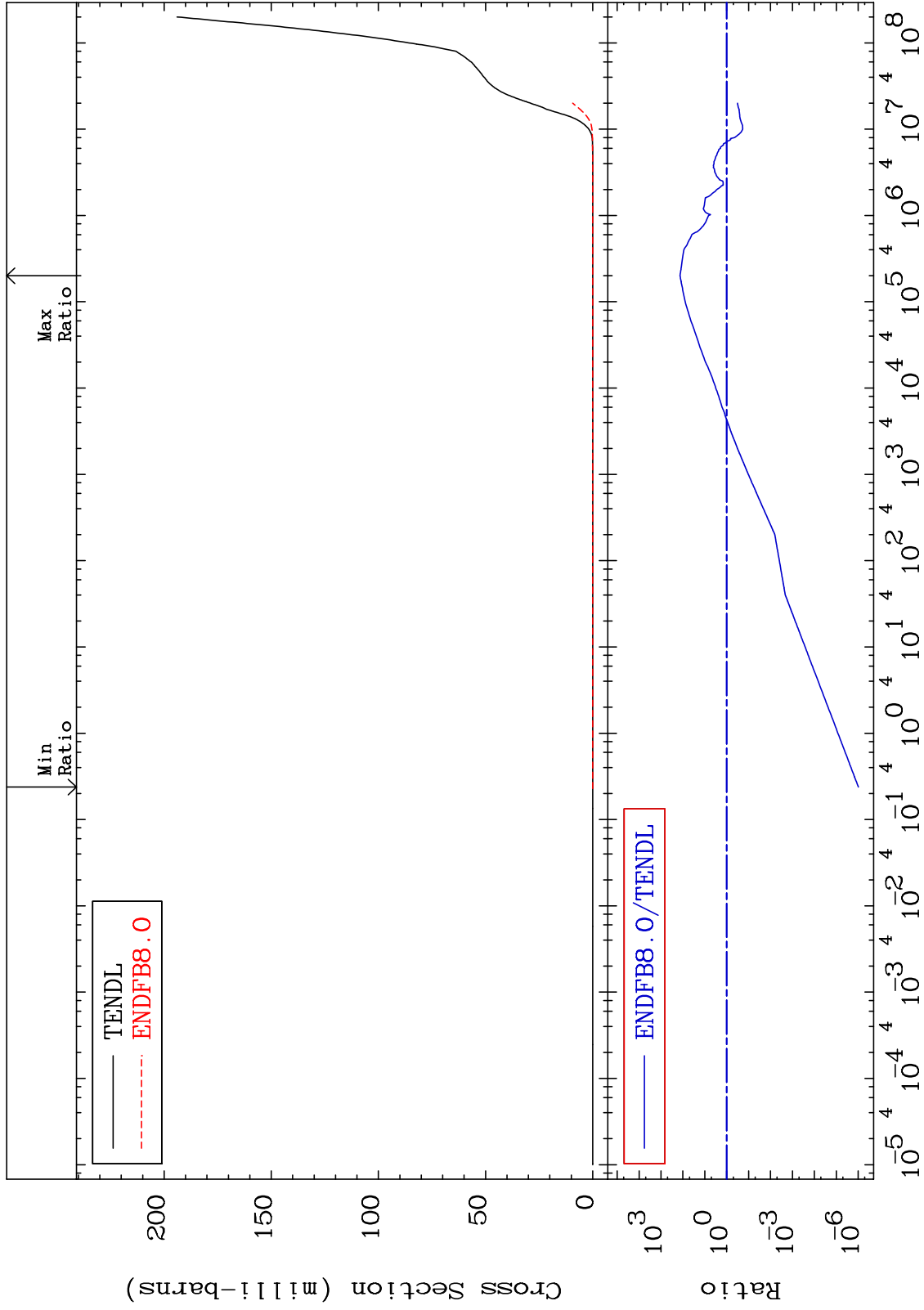
36-Kr-83
869.3 To 9999. %



MAT 3640

He-4 Production
Cross Section

36-Kr-83
-100.0 To 9999. %



35

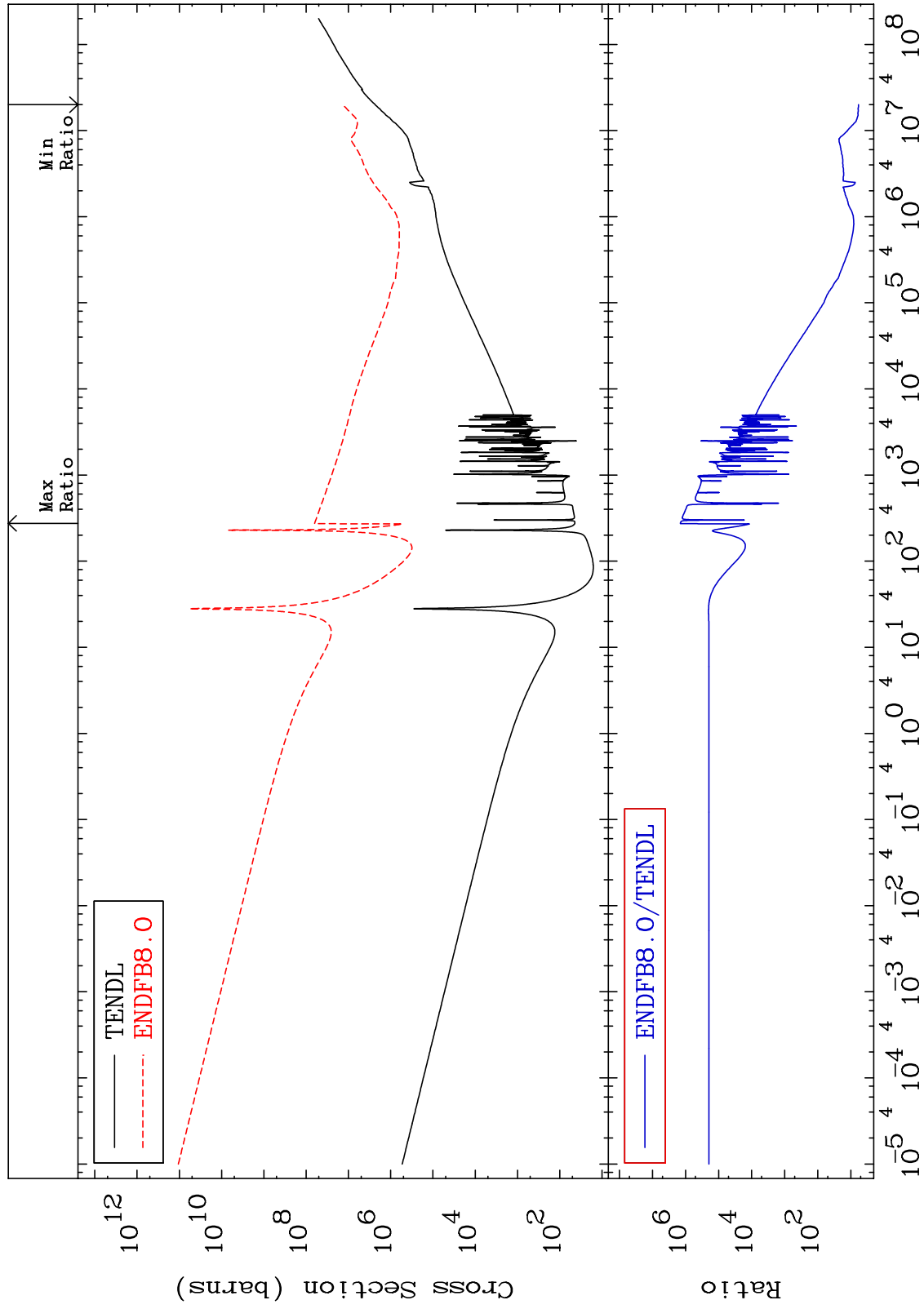
Incident Energy (eV)

36-Kr-83

MAT 3640

Kerma total (eV-barns)
Cross Section

36-Kr-83
483.8 To 9999. %



36

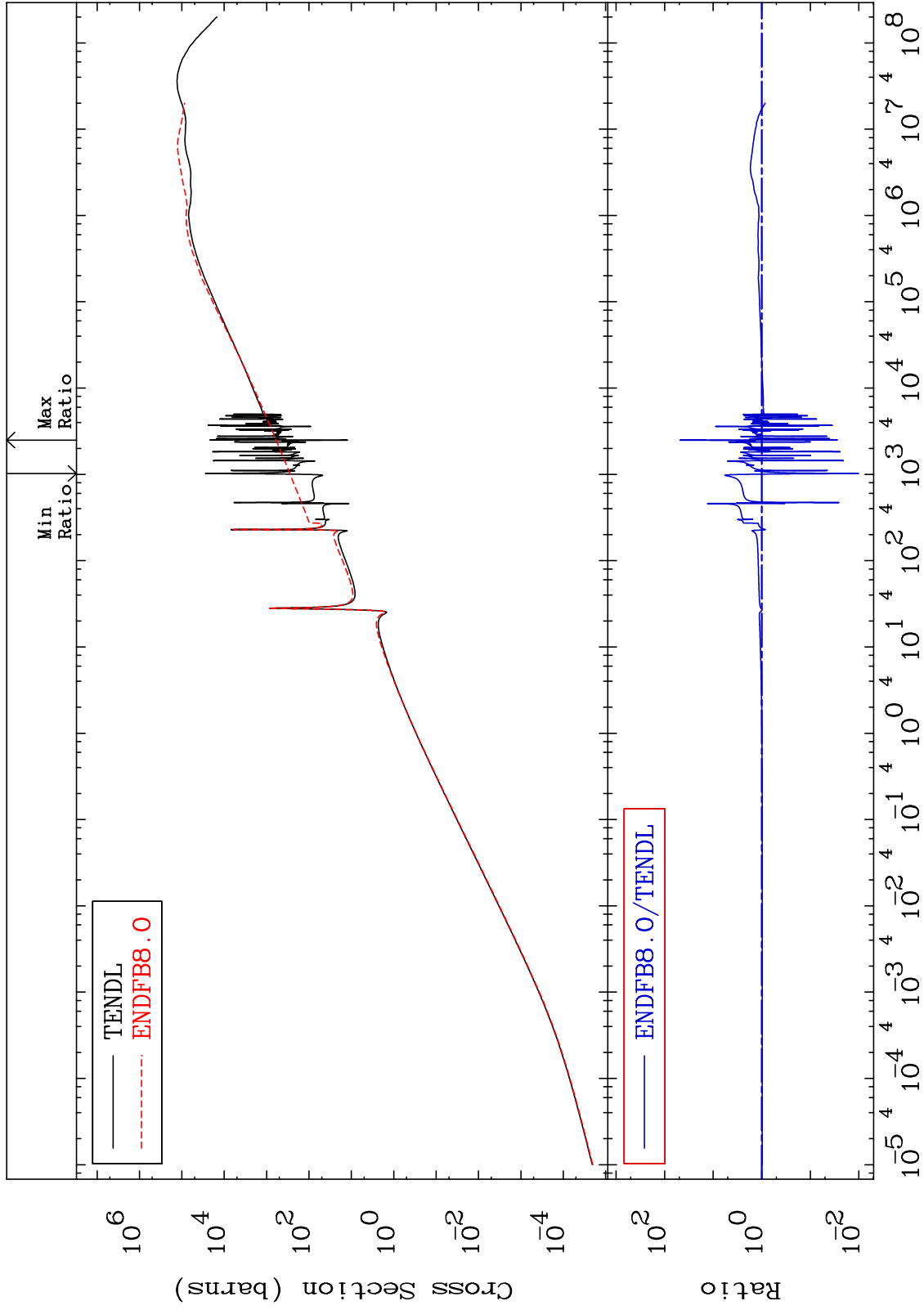
Incident Energy (eV)

36-Kr-83

MAT 3640

Kerma elastic
Cross Section

36-Kr-83
-98.98 To 4709. %



37

Incident Energy (eV)

36-Kr-83

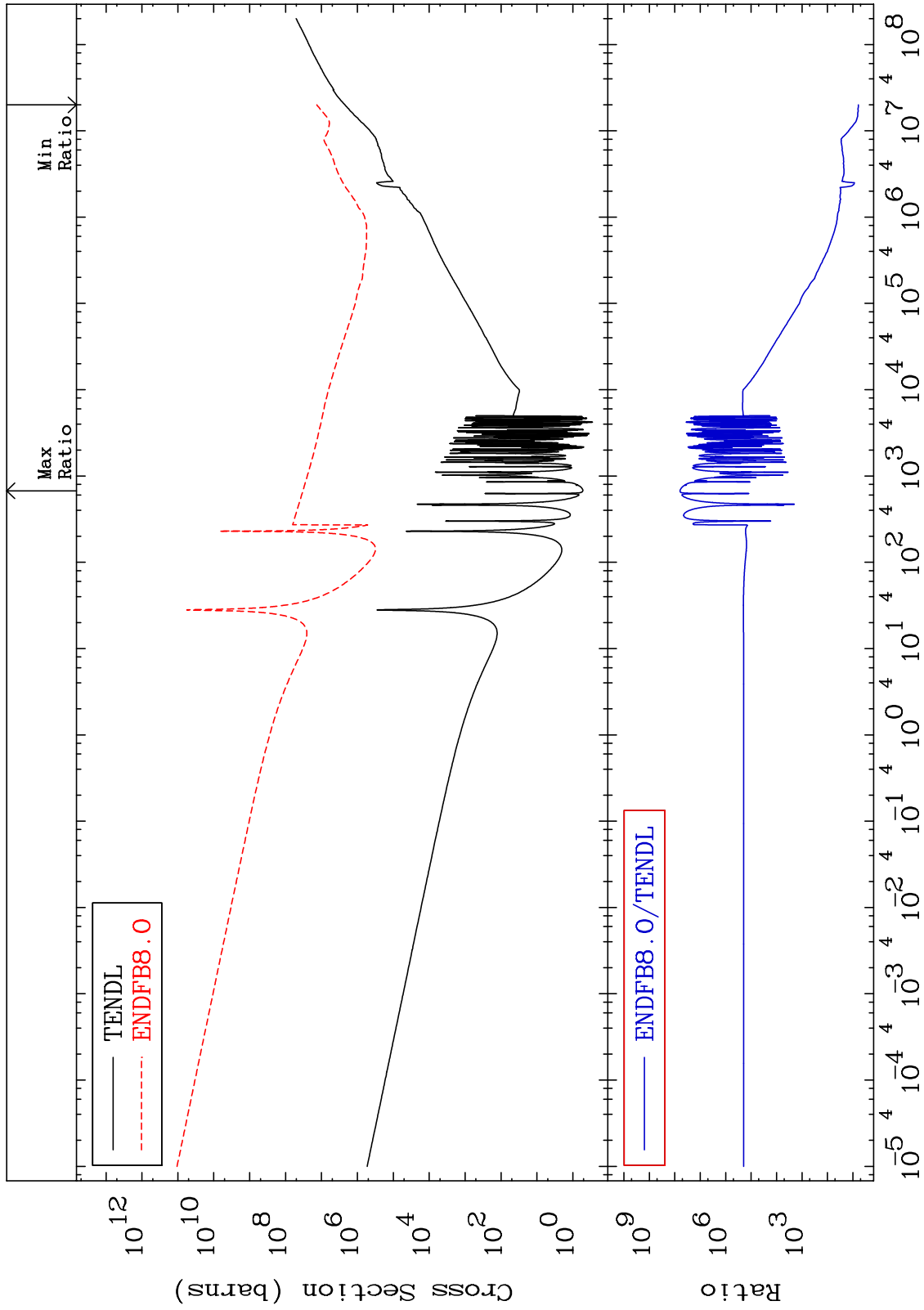
MAT 3640

Kerma non-elastic (all but mt2)

36-Kr-83

506.5 To 9999. %

Cross Section



38

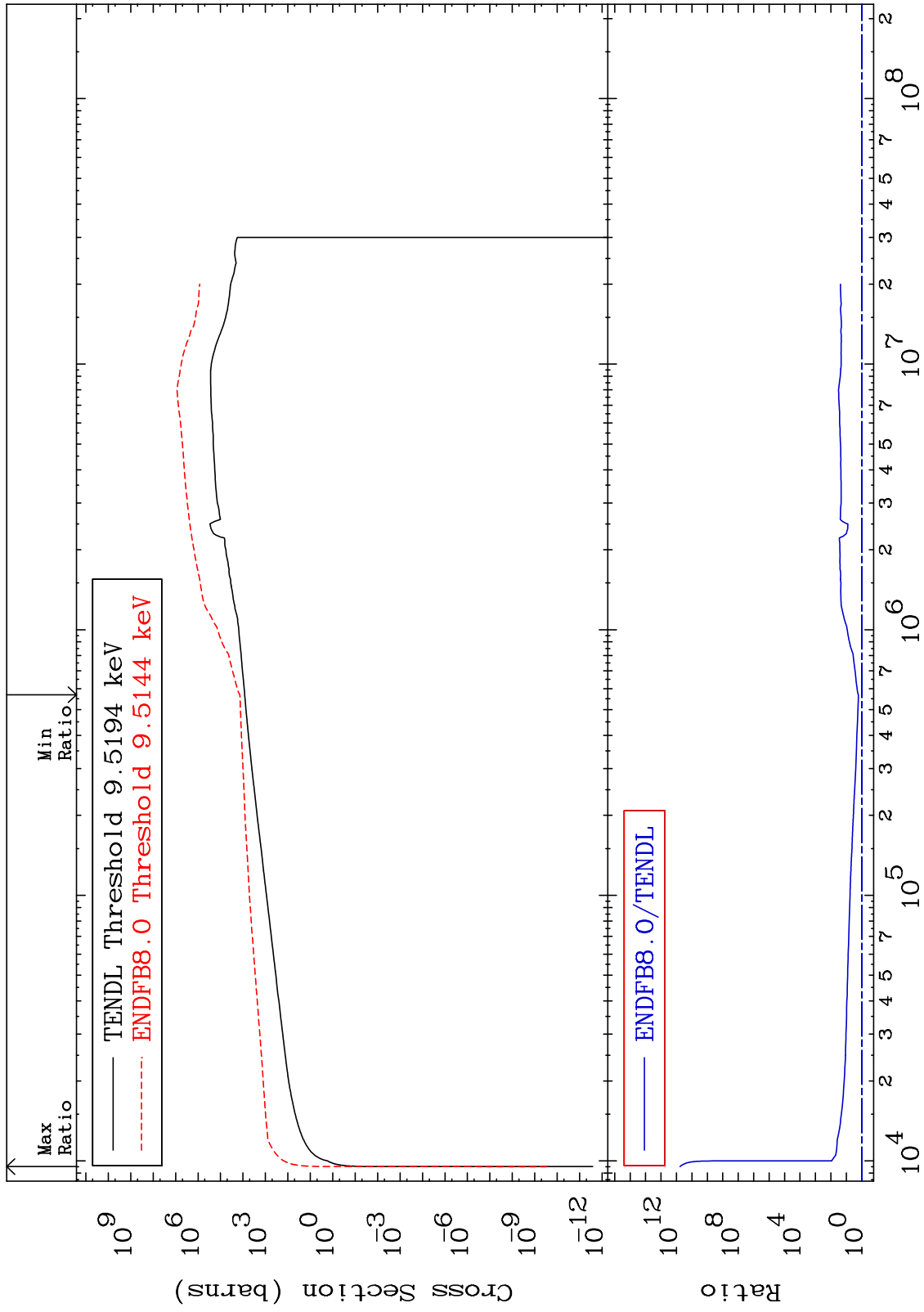
Incident Energy (eV)

36-Kr-83

MAT 3640

Kerma inelastic (mt51-91)
Cross Section

36-Kr-83
64.58 To 9999. %



39

36-Kr-83

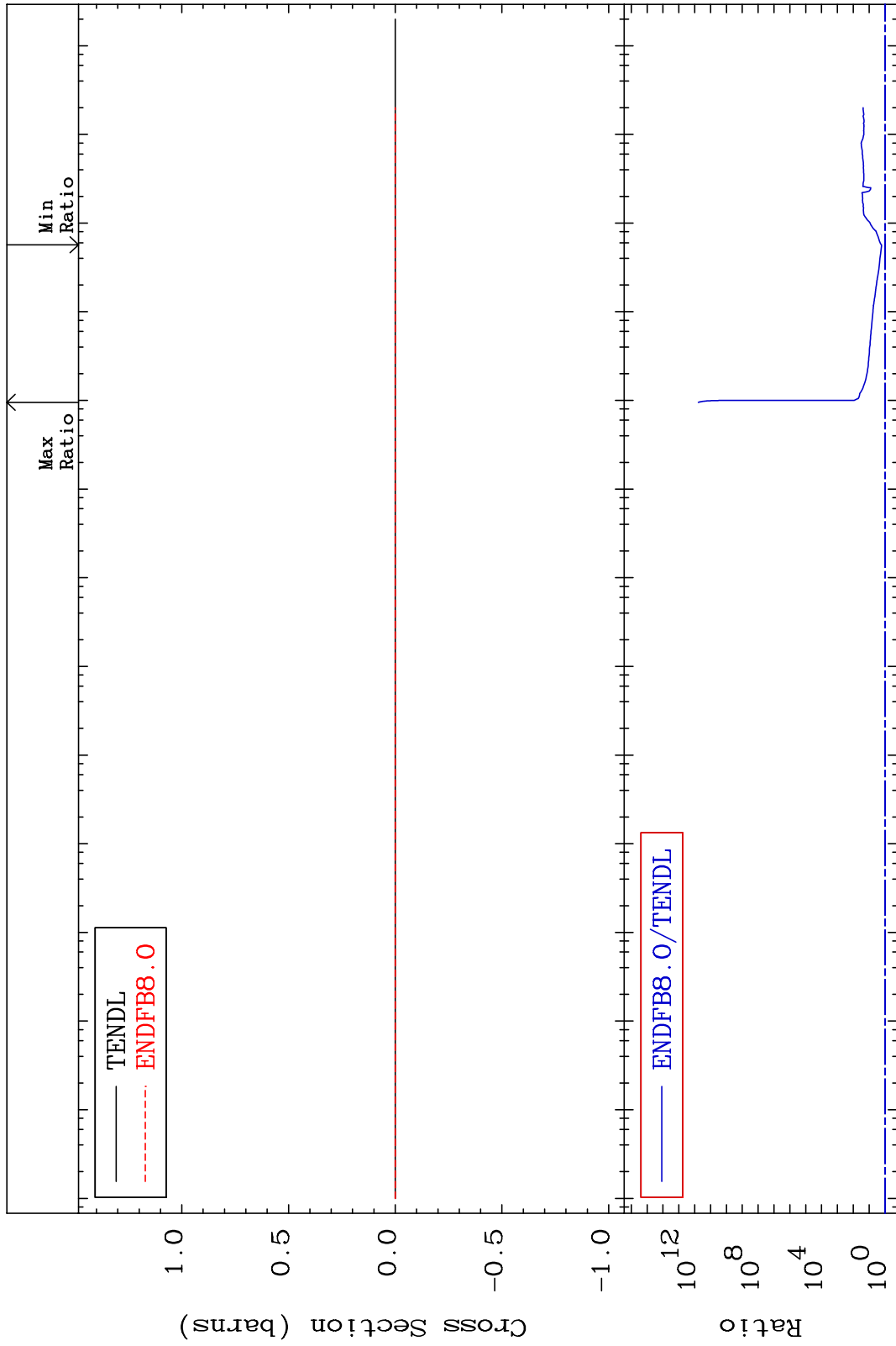
36-Kr-83

MAT 3640

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

64.58 To 9999. %

36-Kr-83



40

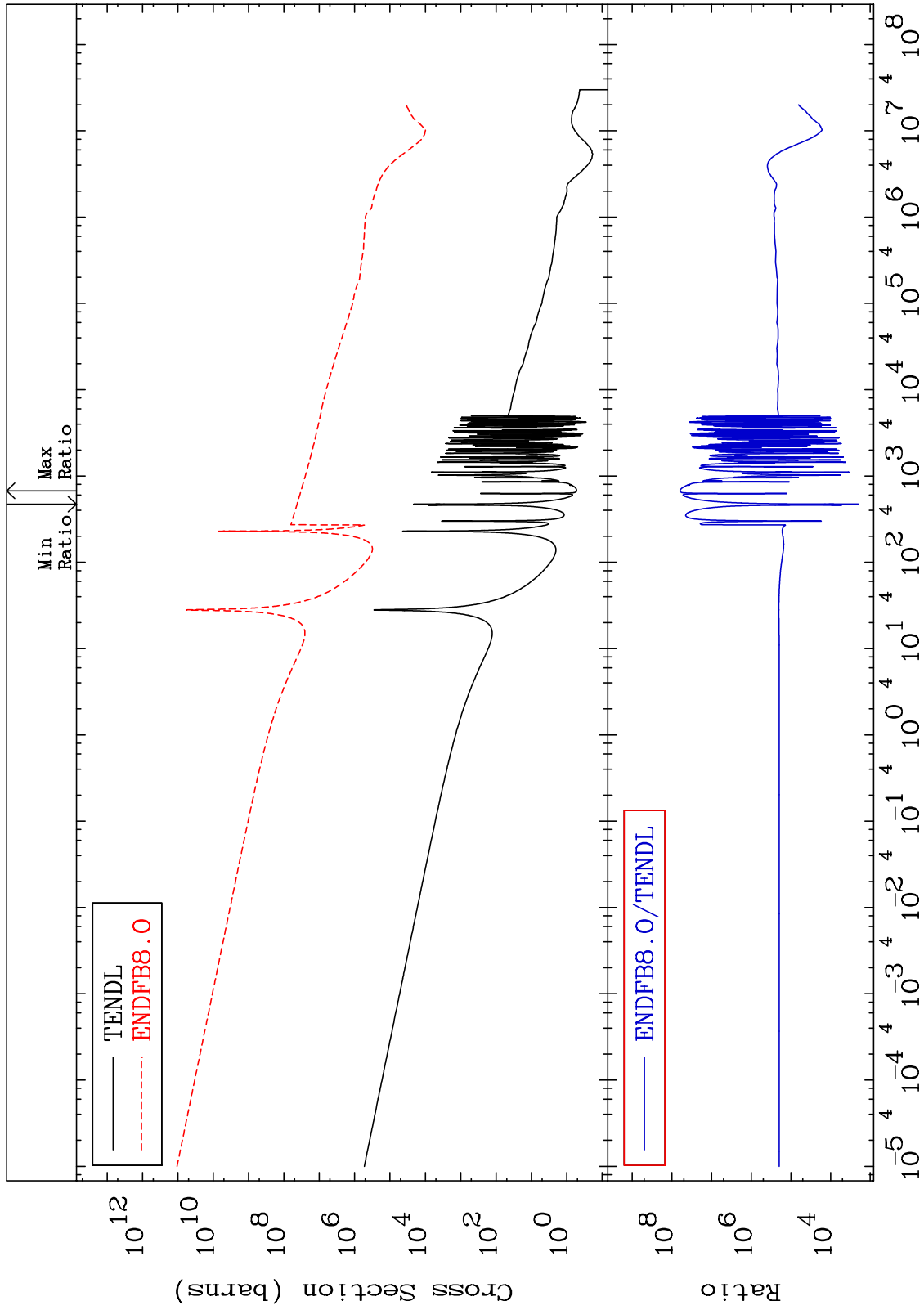
Incident Energy (eV)

36-Kr-83

MAT 3640

Kerma capture (mt102)
Cross Section

36-Kr-83
9999. To 9999. %



41

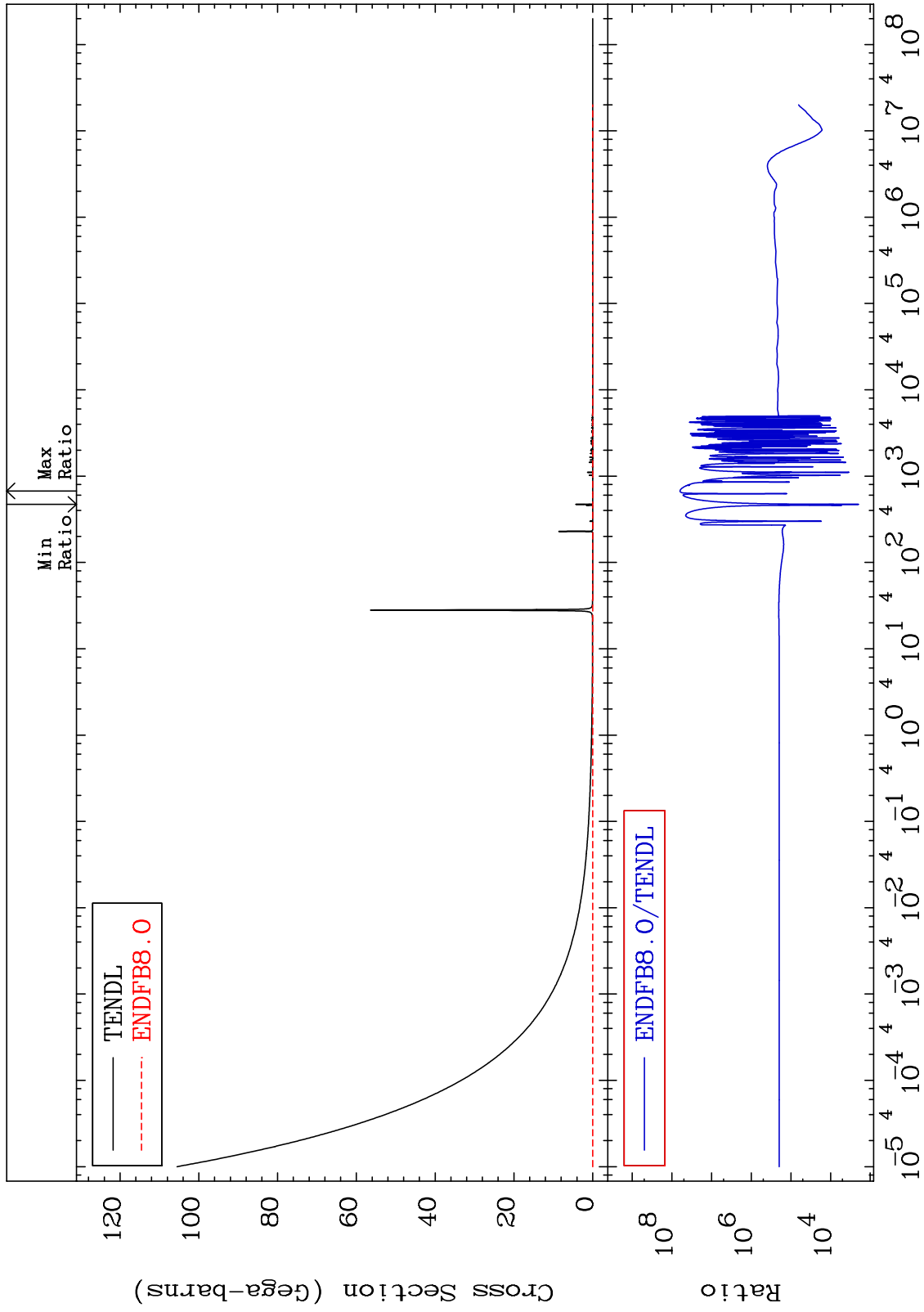
Incident Energy (eV)

36-Kr-83

MAT 3640

Total photon (eV-barns)
Cross Section

36-Kr-83
9999. To 9999. %



42

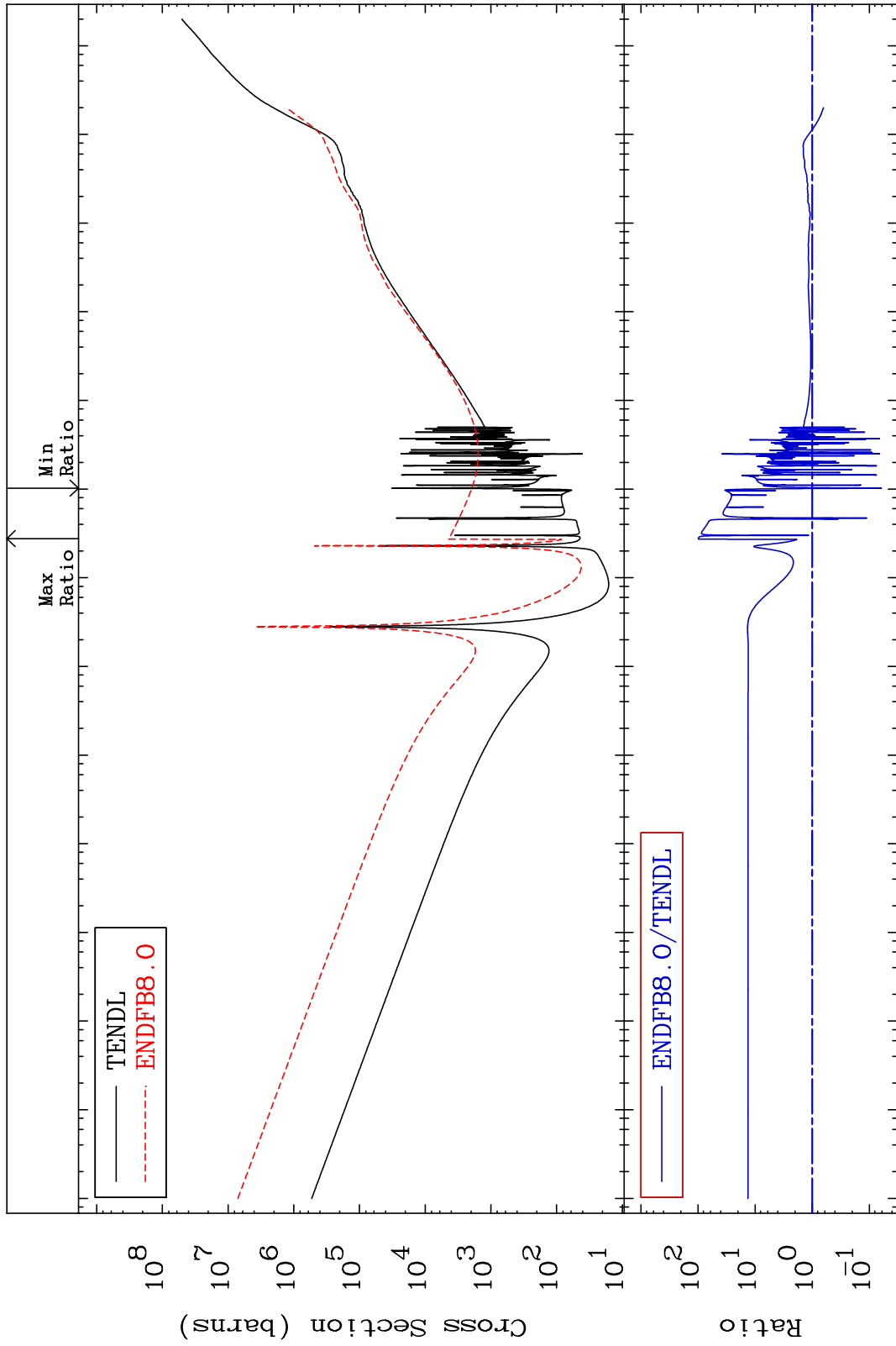
Incident Energy (eV)

36-Kr-83

MAT 3640

Total kinematic kerma (high limit)
Cross Section

36-Kr-83
-93.89 To 9762. %



43

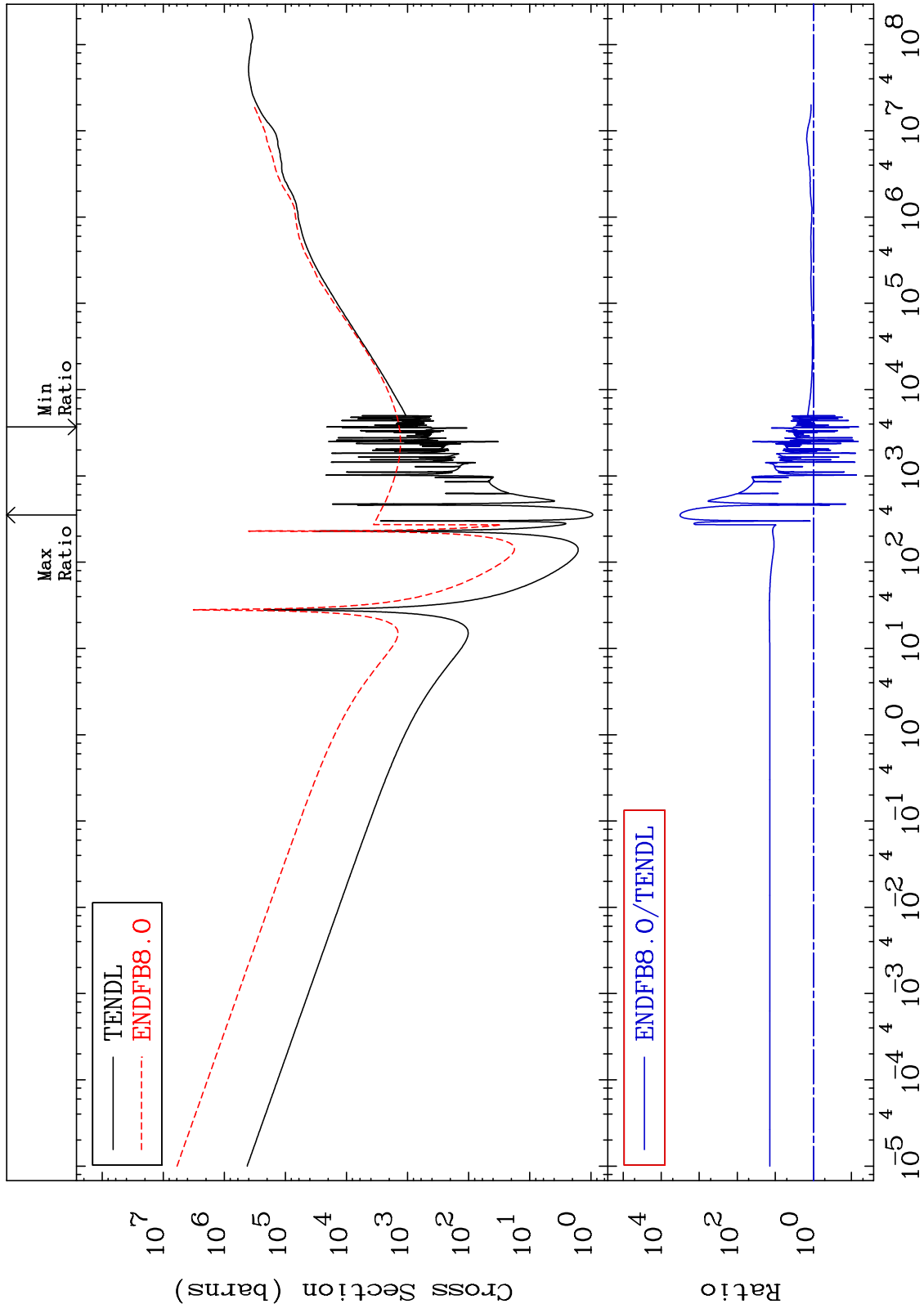
Incident Energy (eV)

36-Kr-83

MAT 3640

Dpa total (eV-barns)
Cross Section

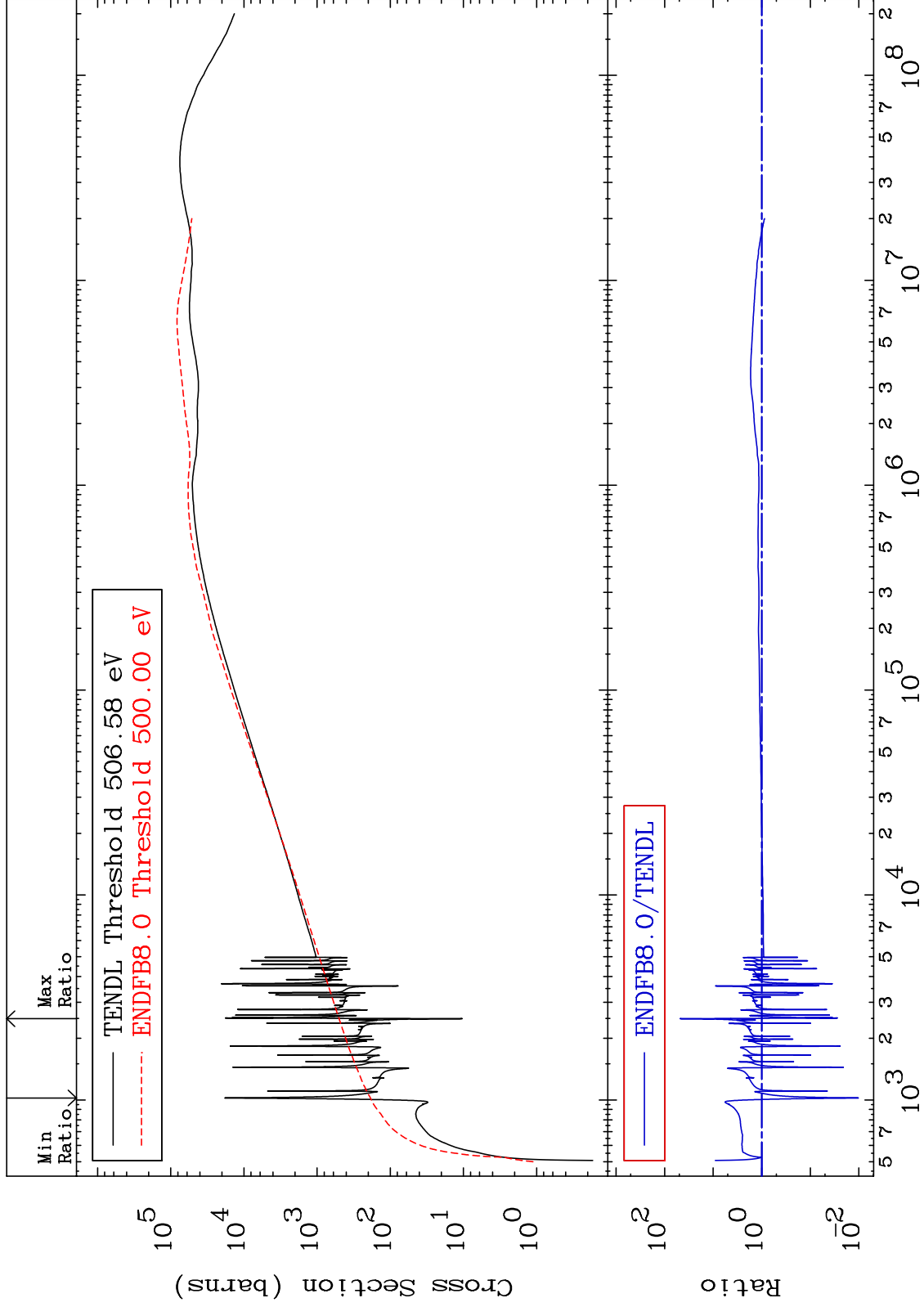
36-Kr-83
-93.44 To 9999. %



MAT 3640

Dpa elastic (mt2)
Cross Section

36-Kr-83
-98.98 To 4710. %



45

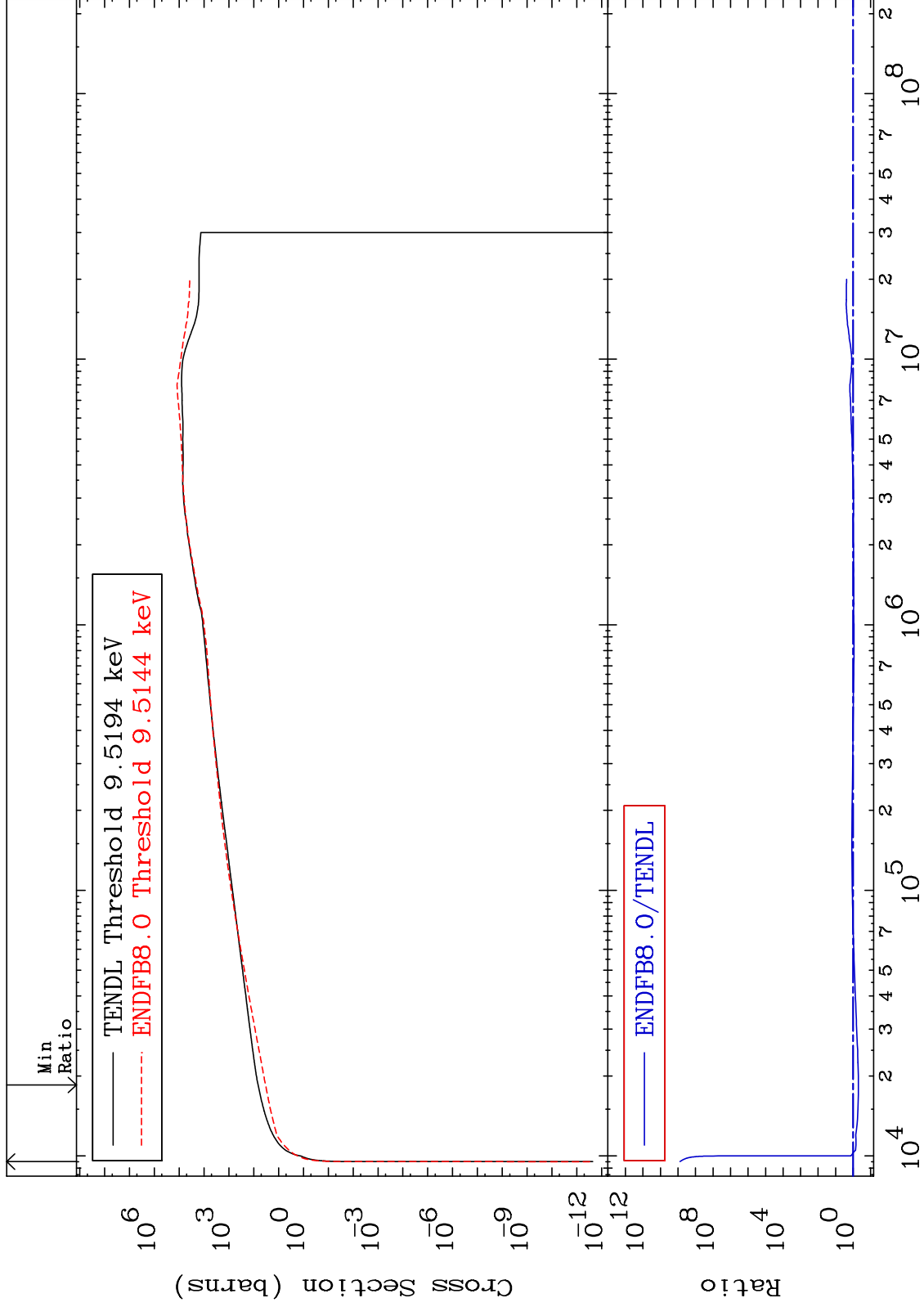
Incident Energy (eV)

36-Kr-83

MAT 3640

Dpa inelastic (mt51-91)
Cross Section

36-Kr-83
-49.89 To 9999. %



46

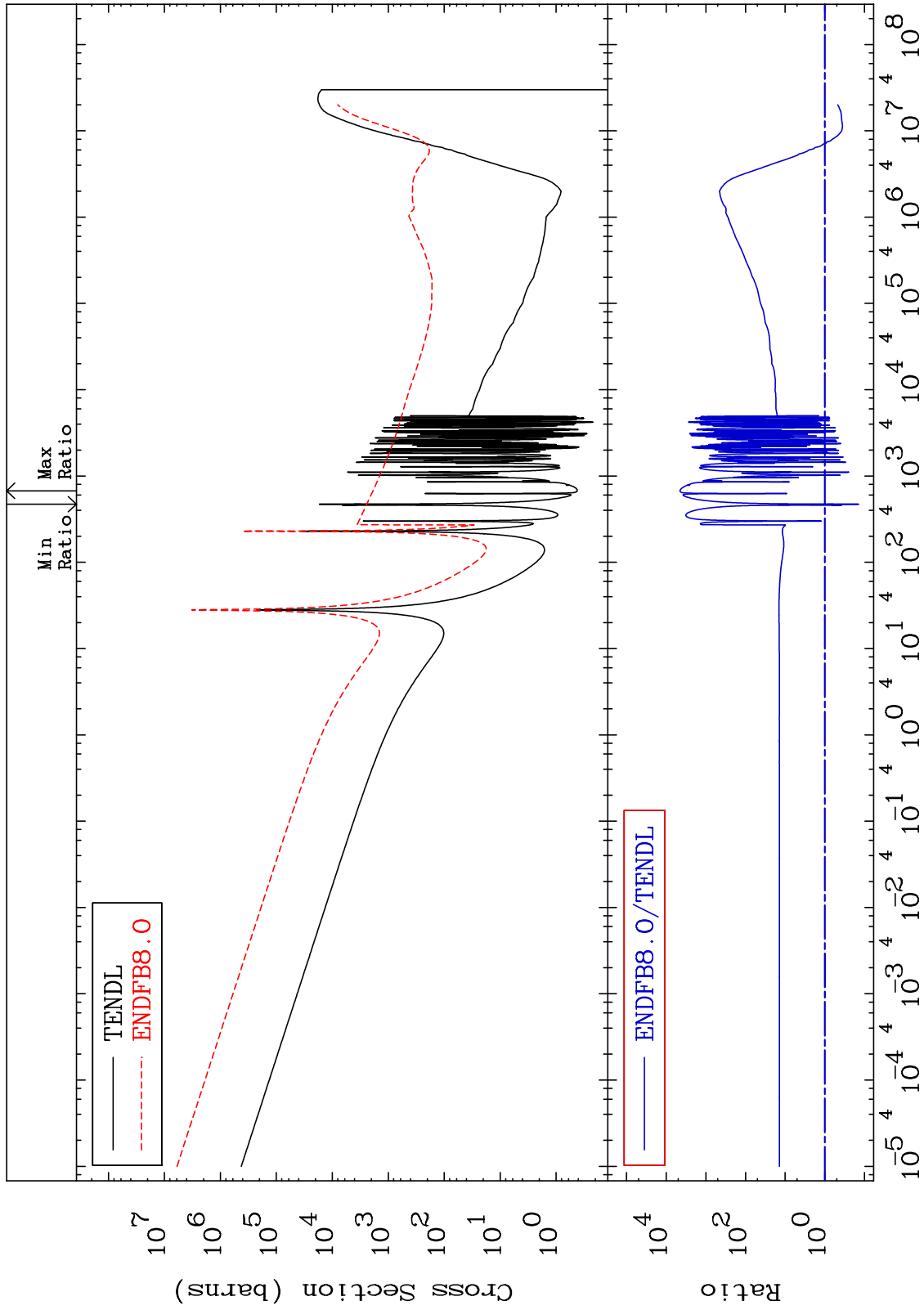
36-Kr-83

36-Kr-83

MAT 3640

Dpa disappearance (mt102 -120)
Cross Section

36-Kr-83
-85.78 To 9999. %



47

Incident Energy (eV)

36-Kr-83