

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

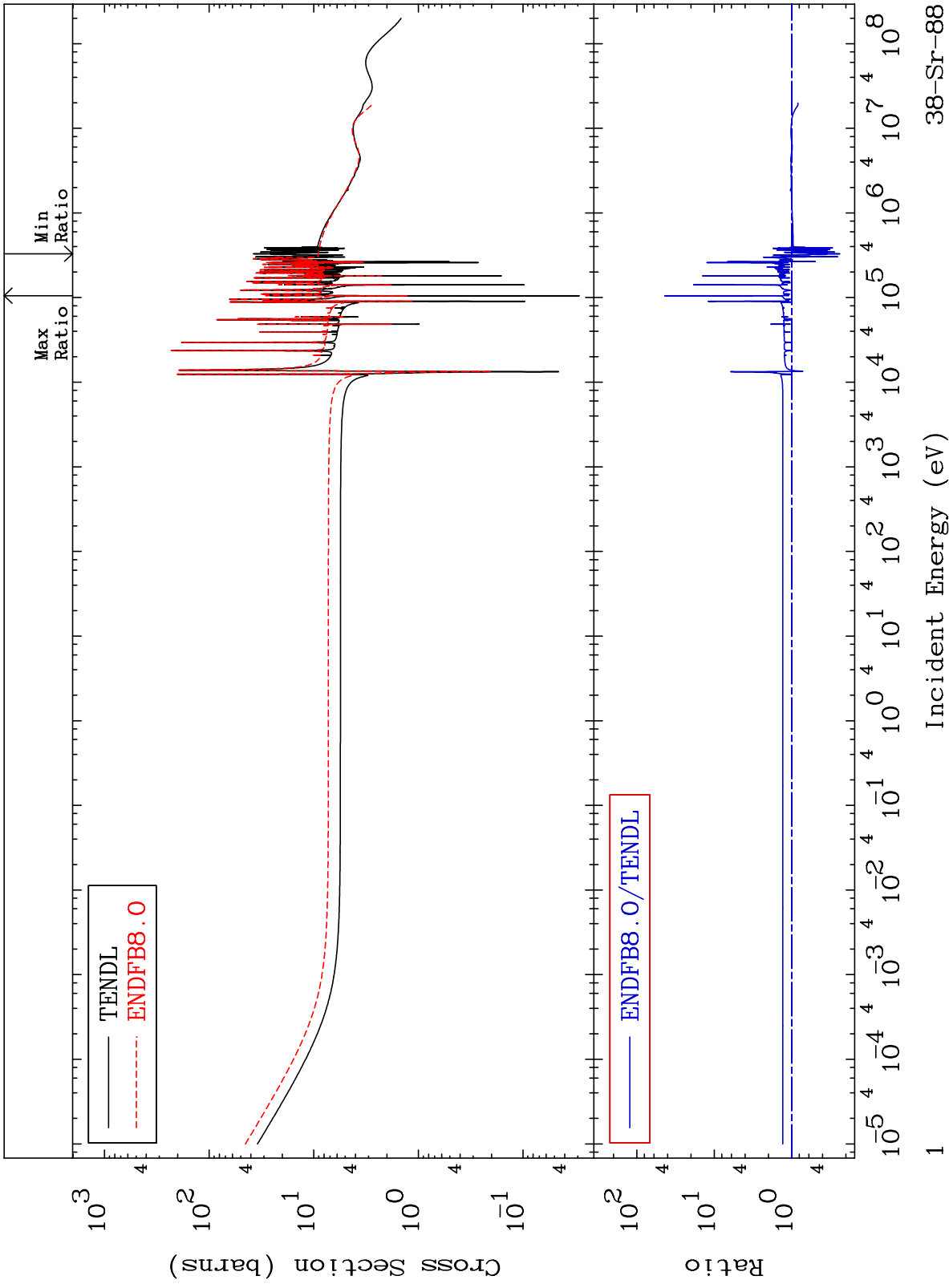
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3837

Total
Cross Section

38-Sr-88
-76.02 To 4253. %

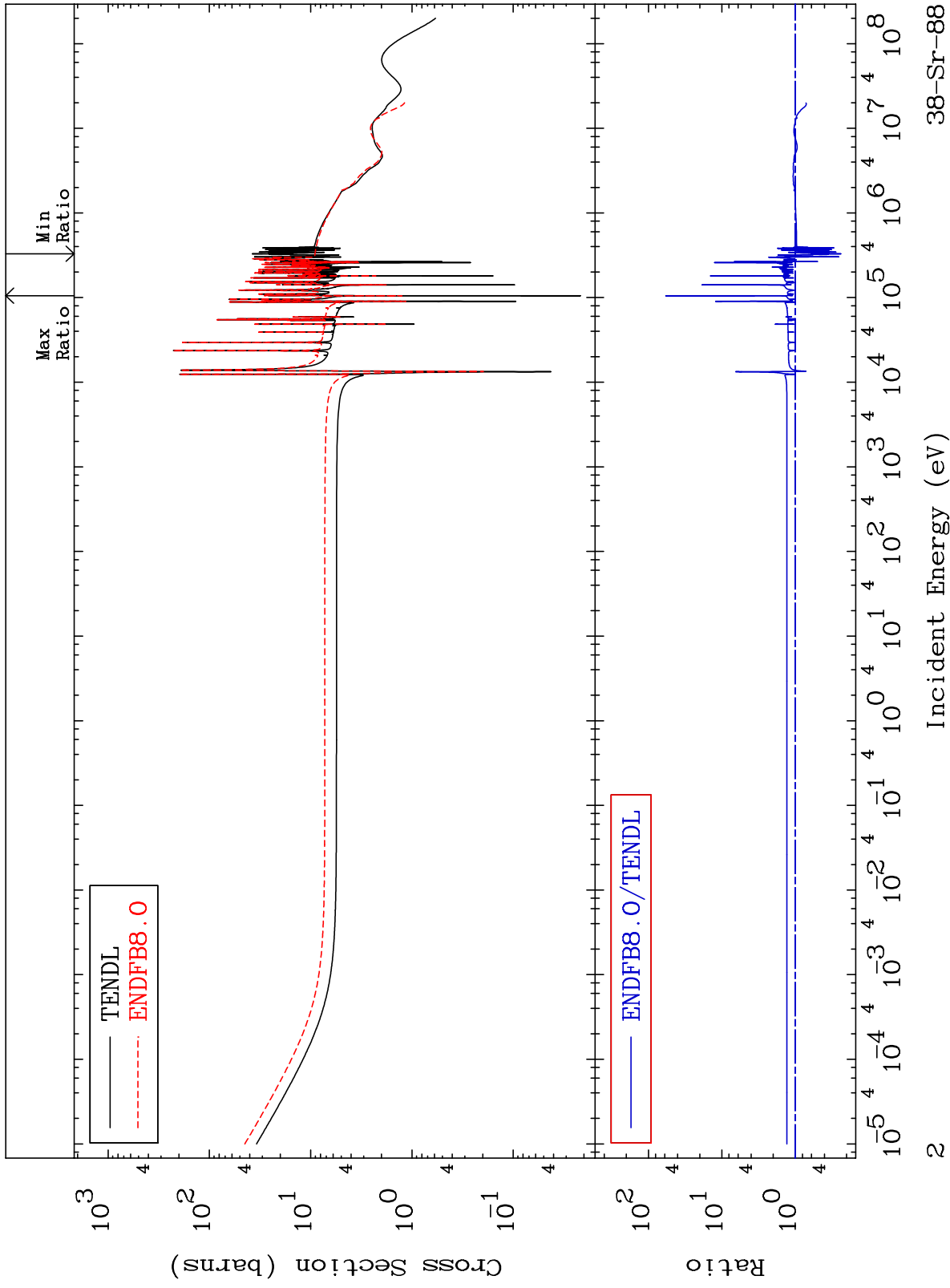


38-Sr-88

MAT 3837

Elastic
Cross Section

38-Sr-88
-76.02 To 5688. %



38-Sr-88

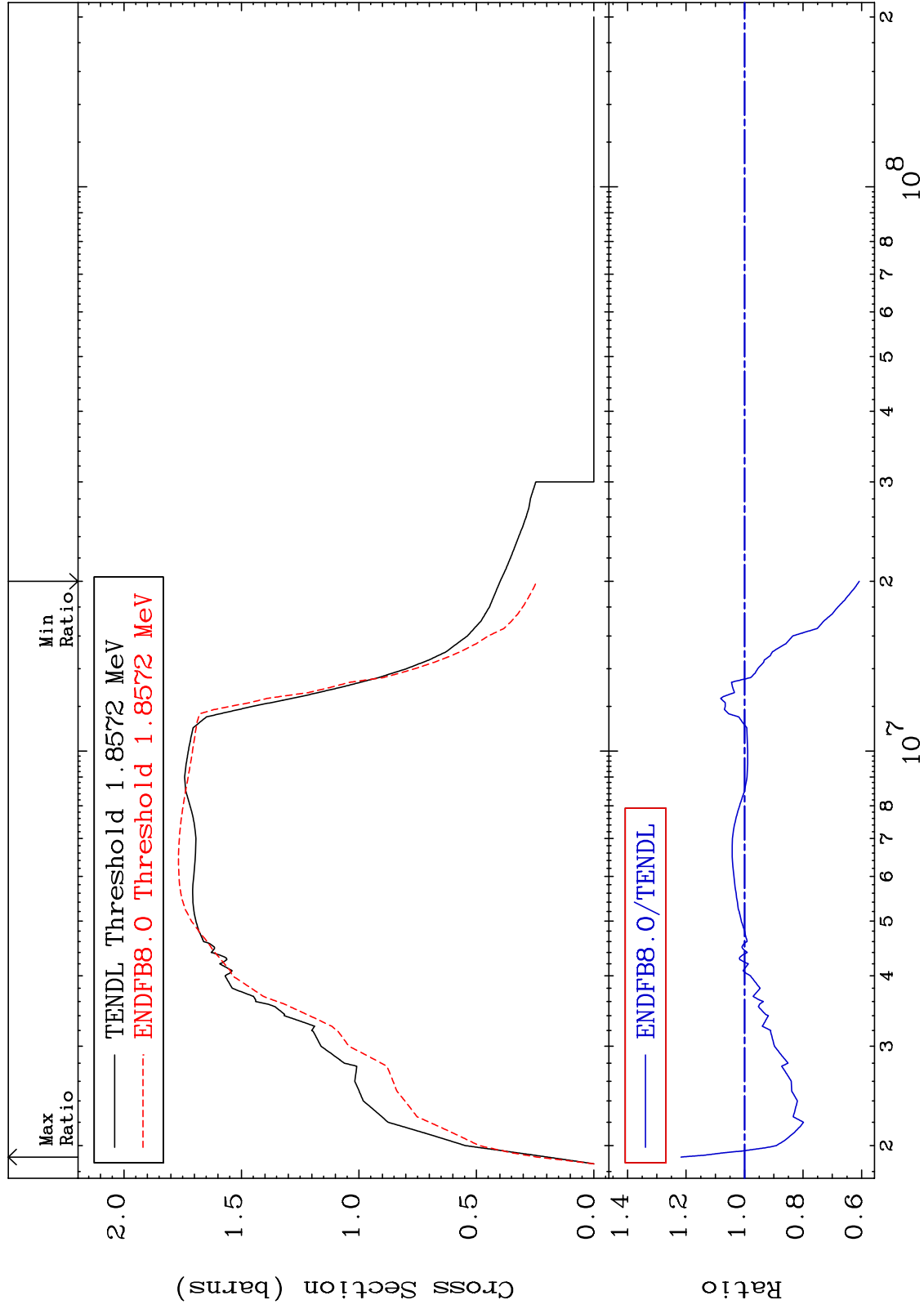
Incident Energy (eV)

MAT 3837

Inelastic
Cross Section

38-Sr-88

-39.22 To 21.72 %



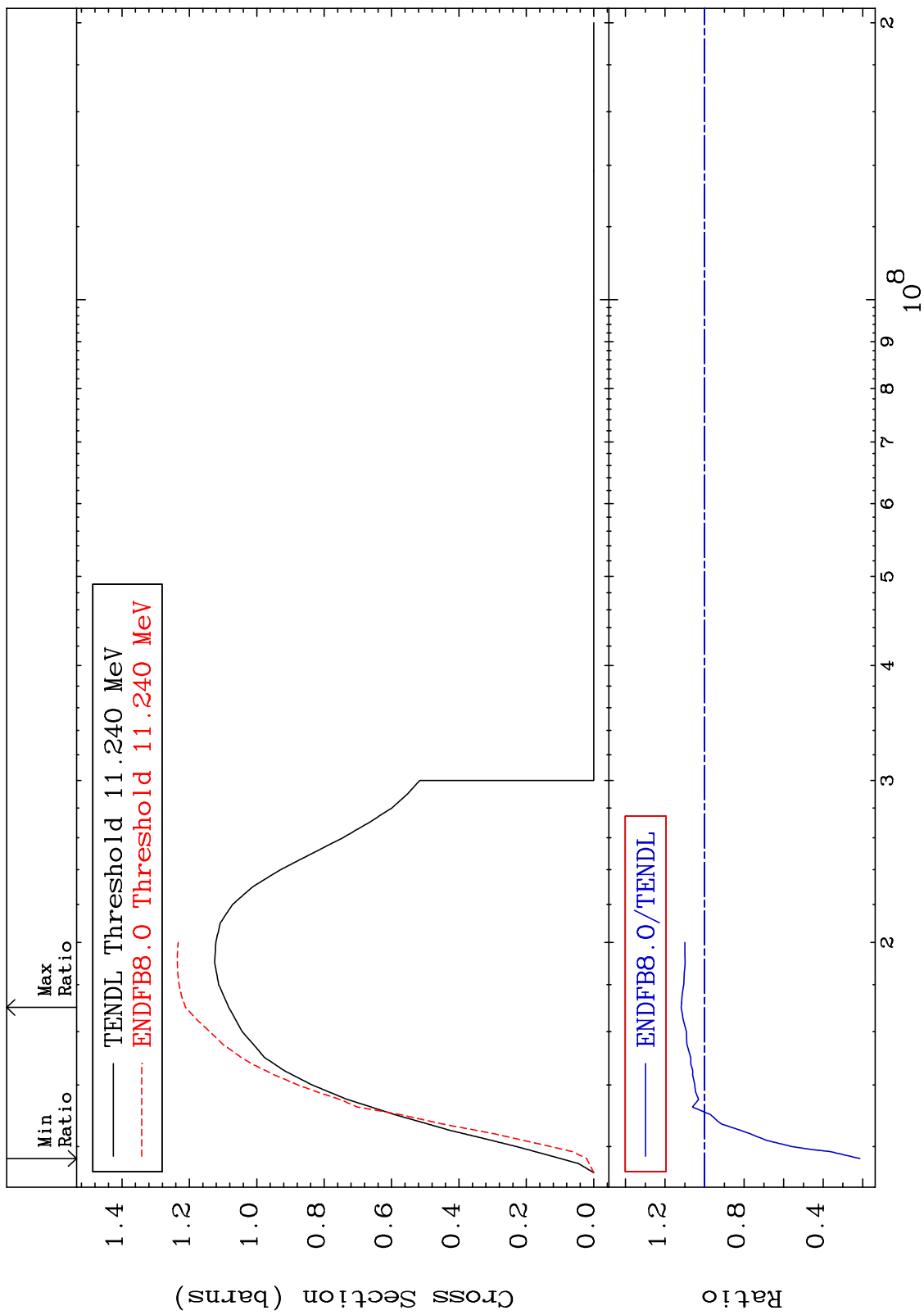
MAT 3837

(n,2n)

38-Sr-88

Cross Section

-78.60 To 11.82 %



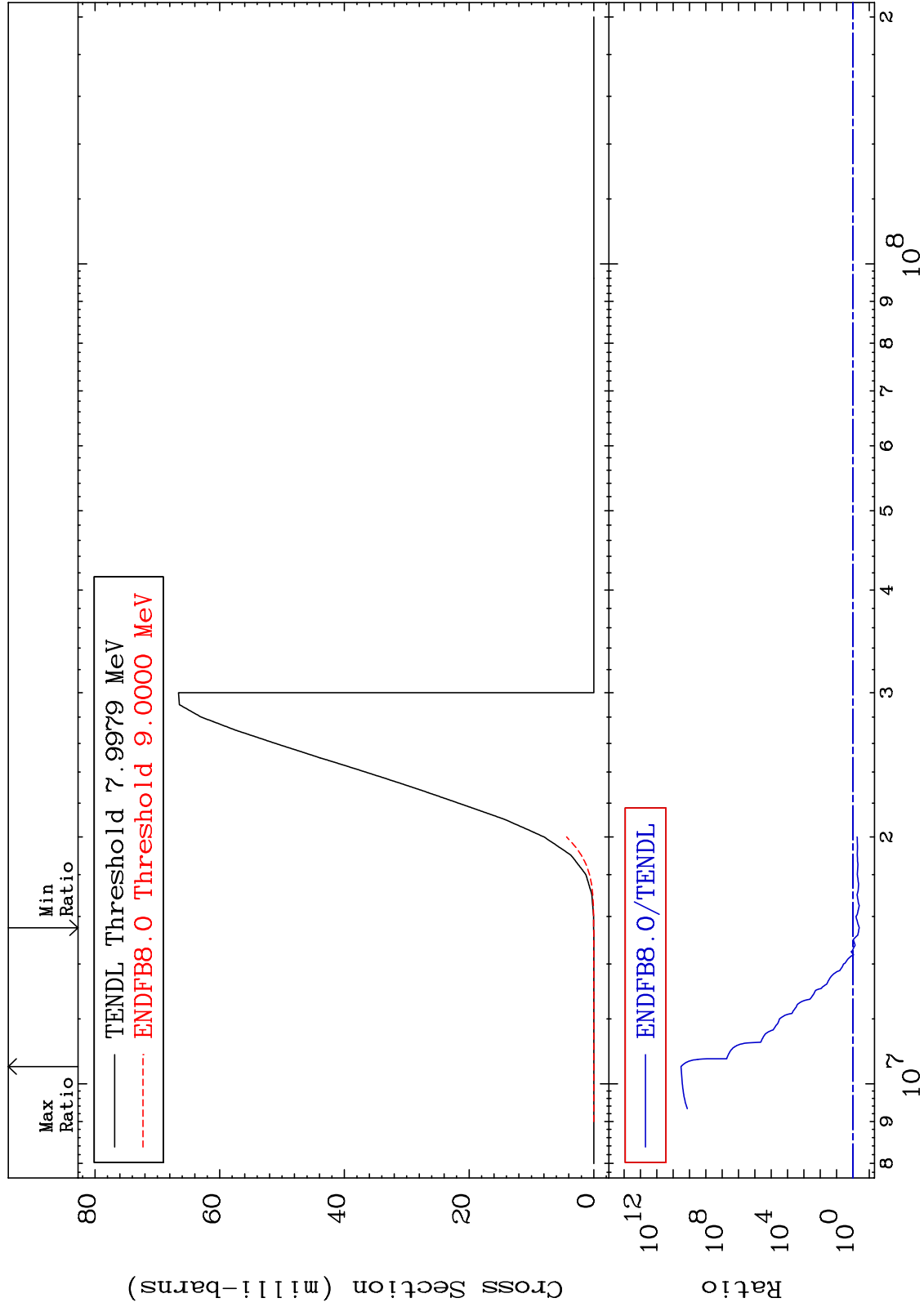
MAT 3837

(n,n') α

38-Sr-88

Cross Section

-59.42 To 9999. %



5

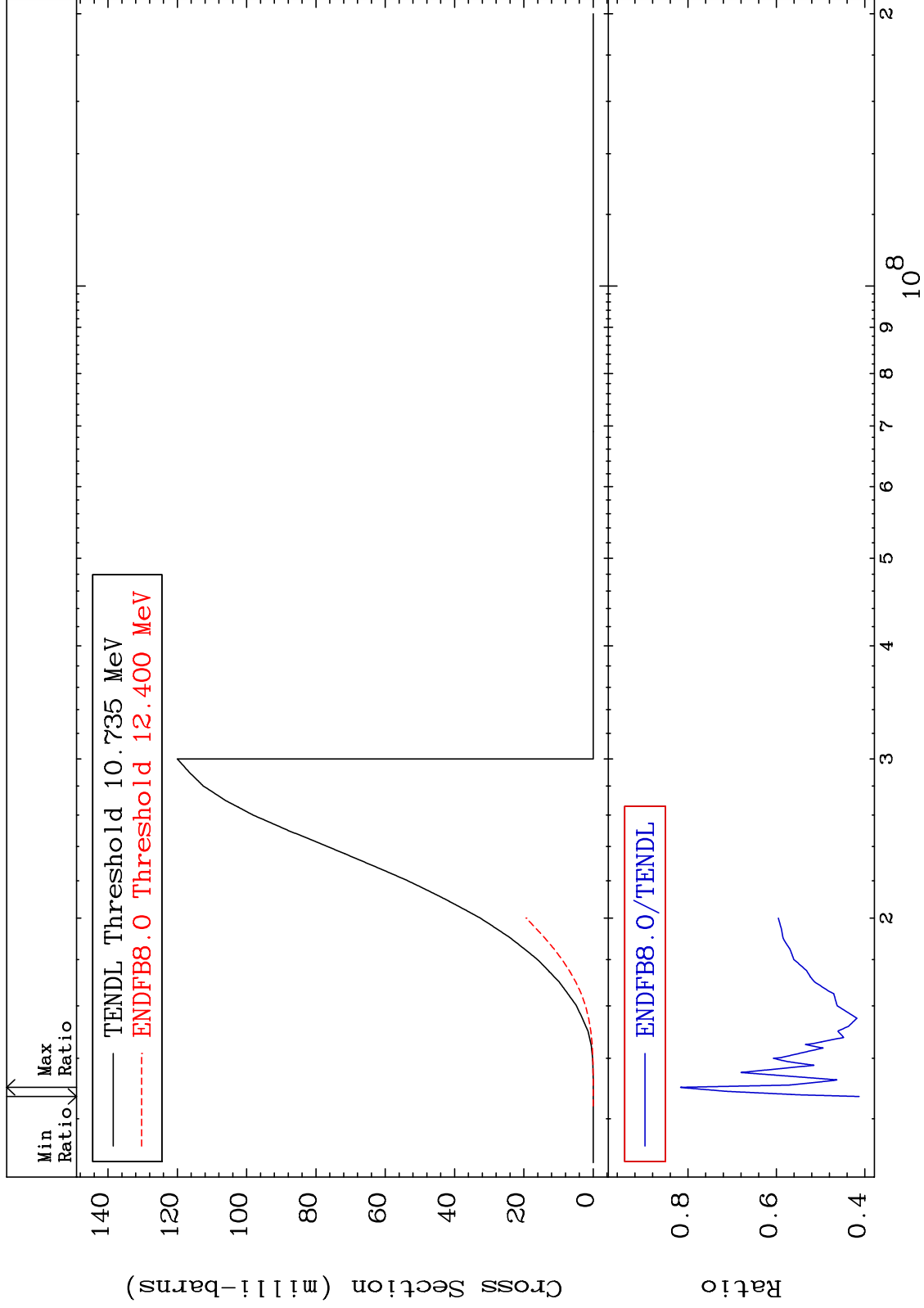
Incident Energy (eV)

38-Sr-88

MAT 3837

(n,n') p
Cross Section

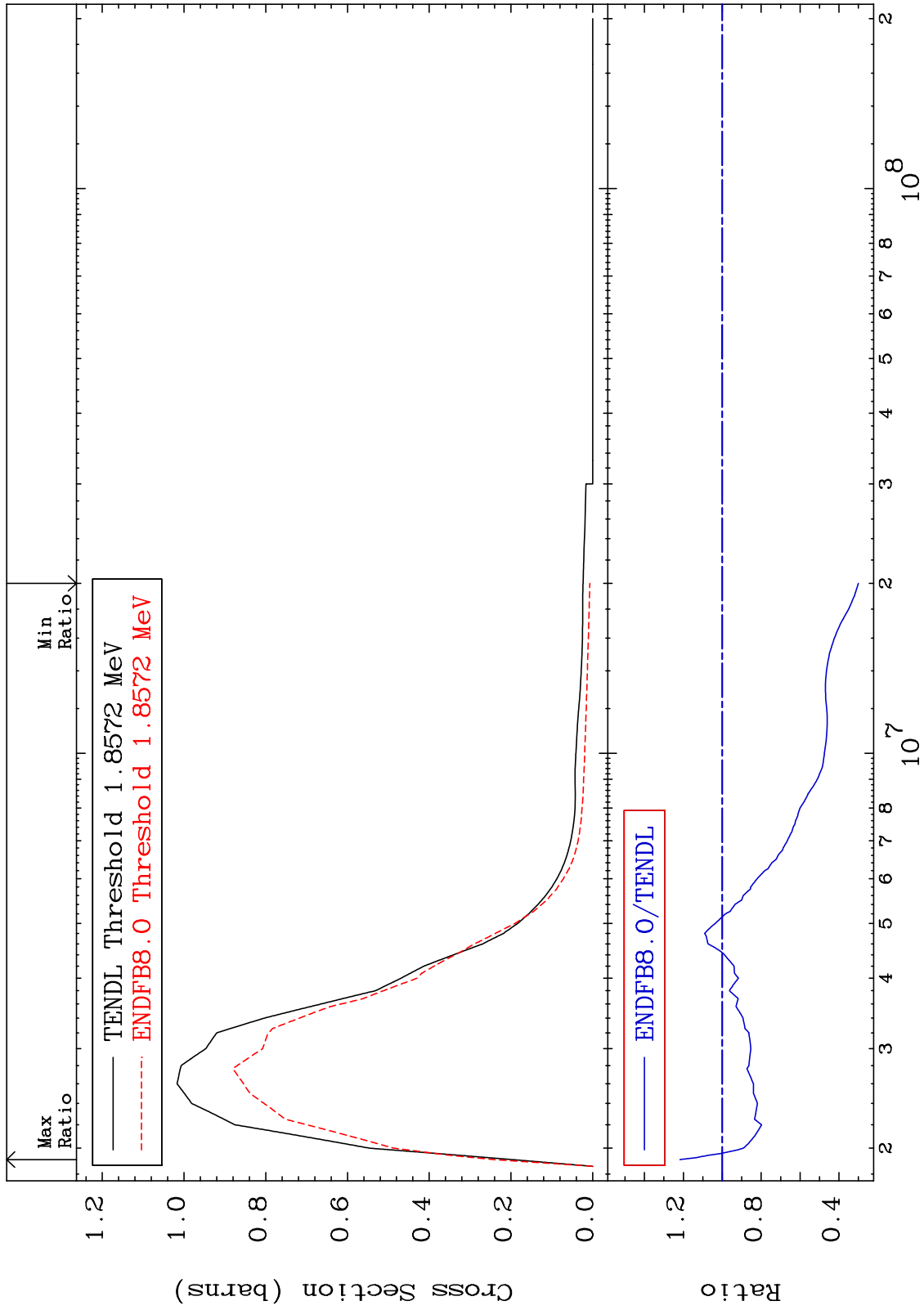
38-Sr-88
-58.70 To -18.32%



MAT 3837

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

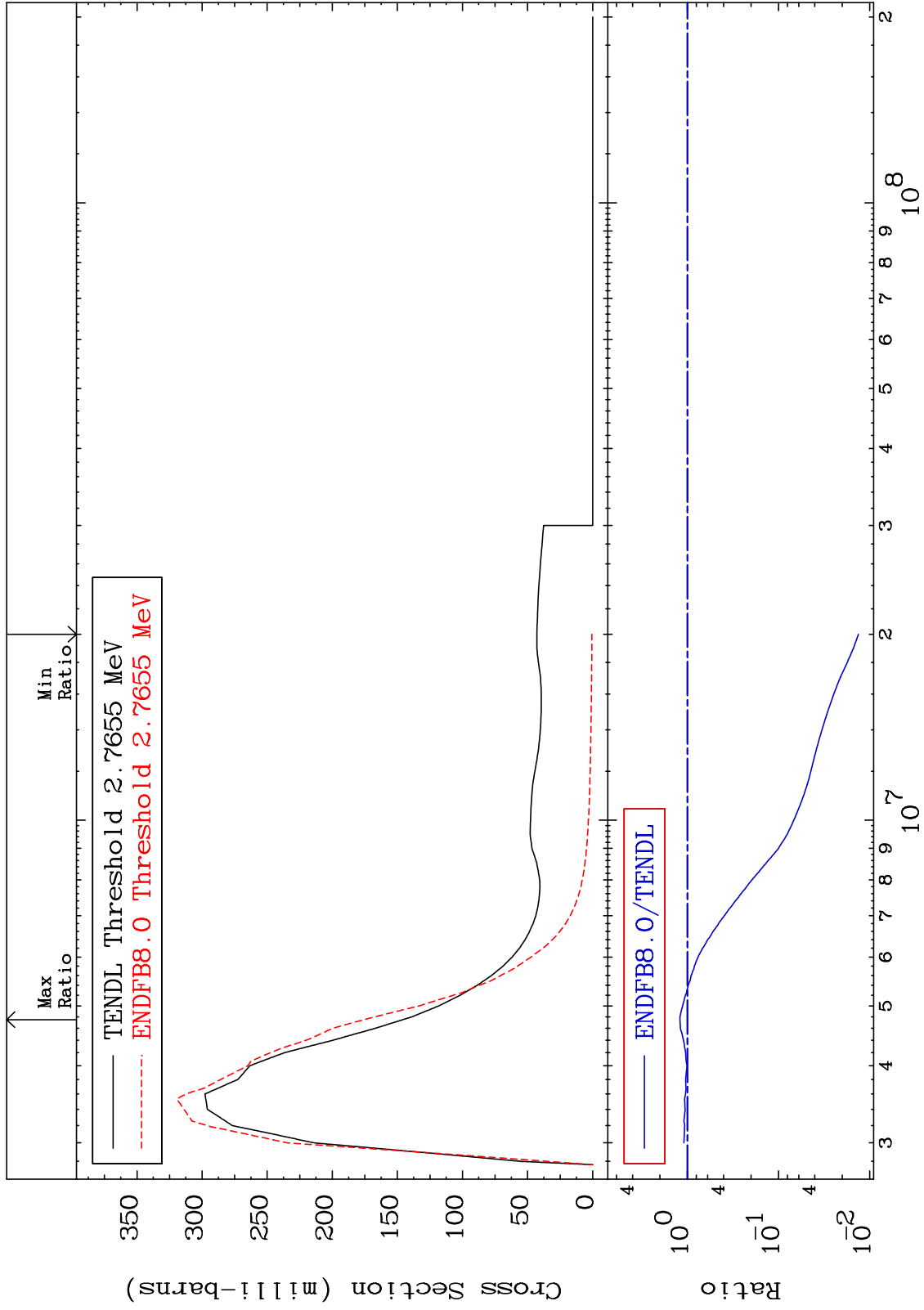
38-Sr-88
-70.00 To 21.72 %



MAT 3837

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

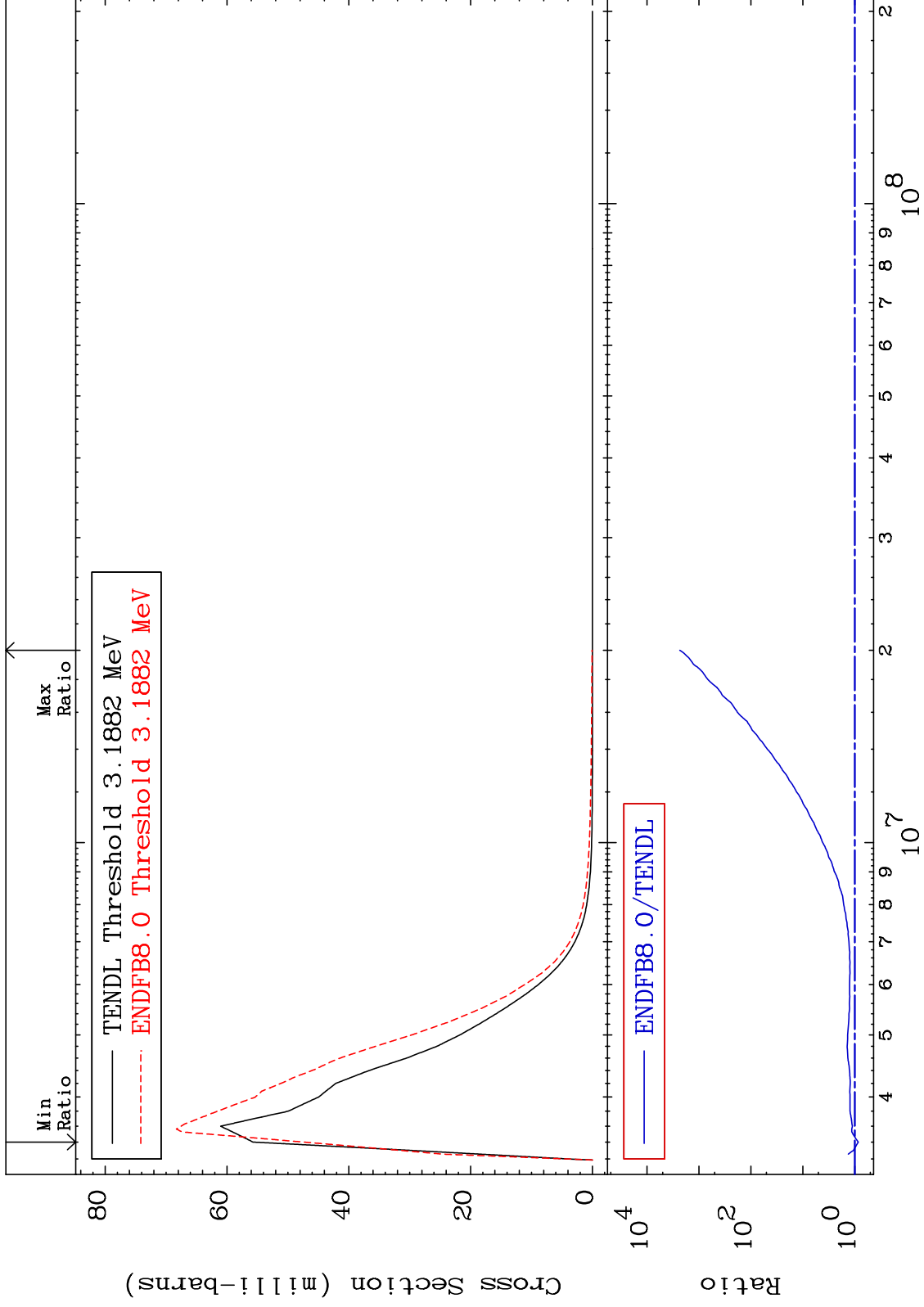
38-Sr-88
-98.67 To 20.51 %



MAT 3837

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

38-Sr-88
-14.93 To 9999. %



9

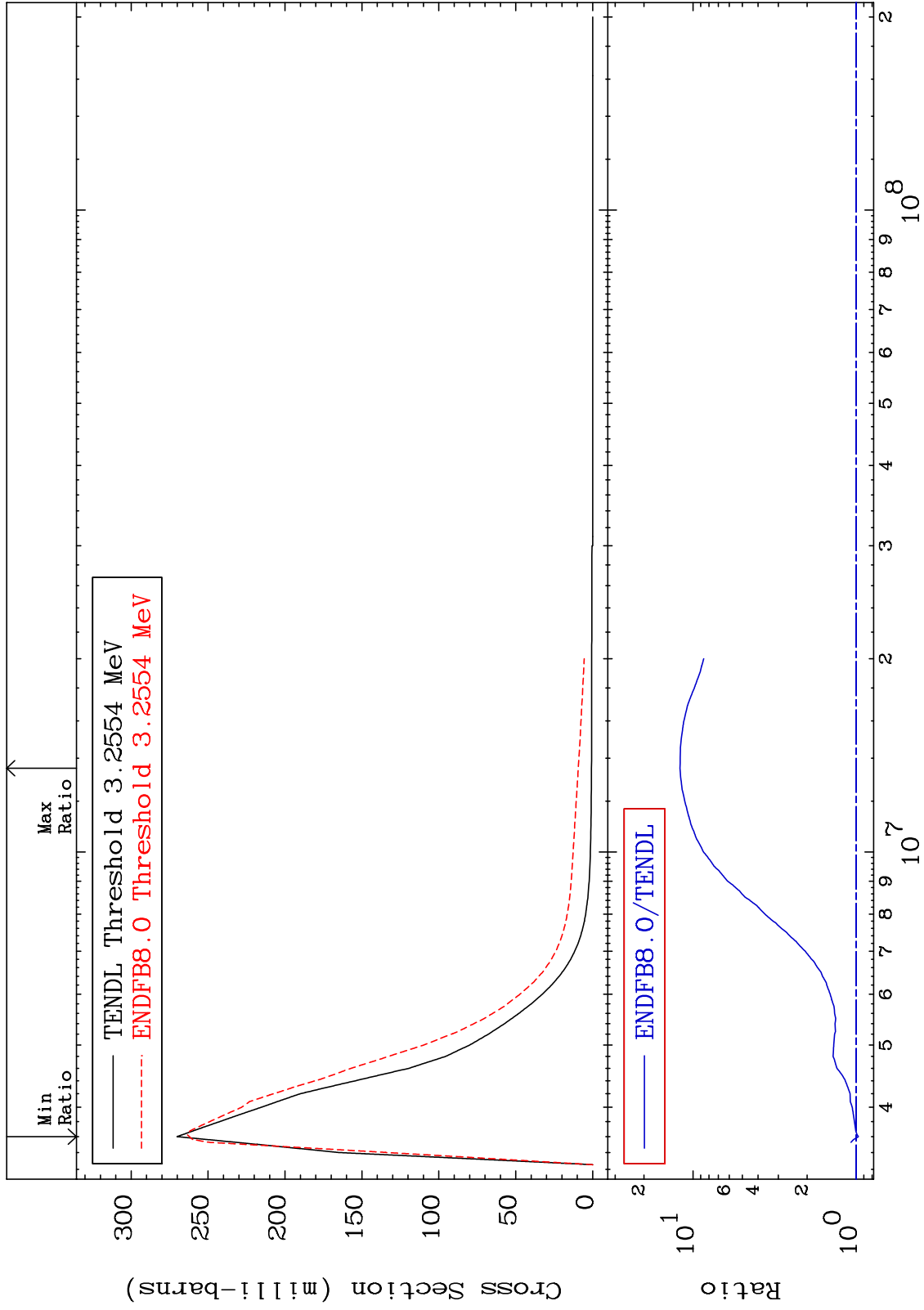
Incident Energy (eV)

38-Sr-88

MAT 3837

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

38-Sr-88
-2.983 To 1103. %



10

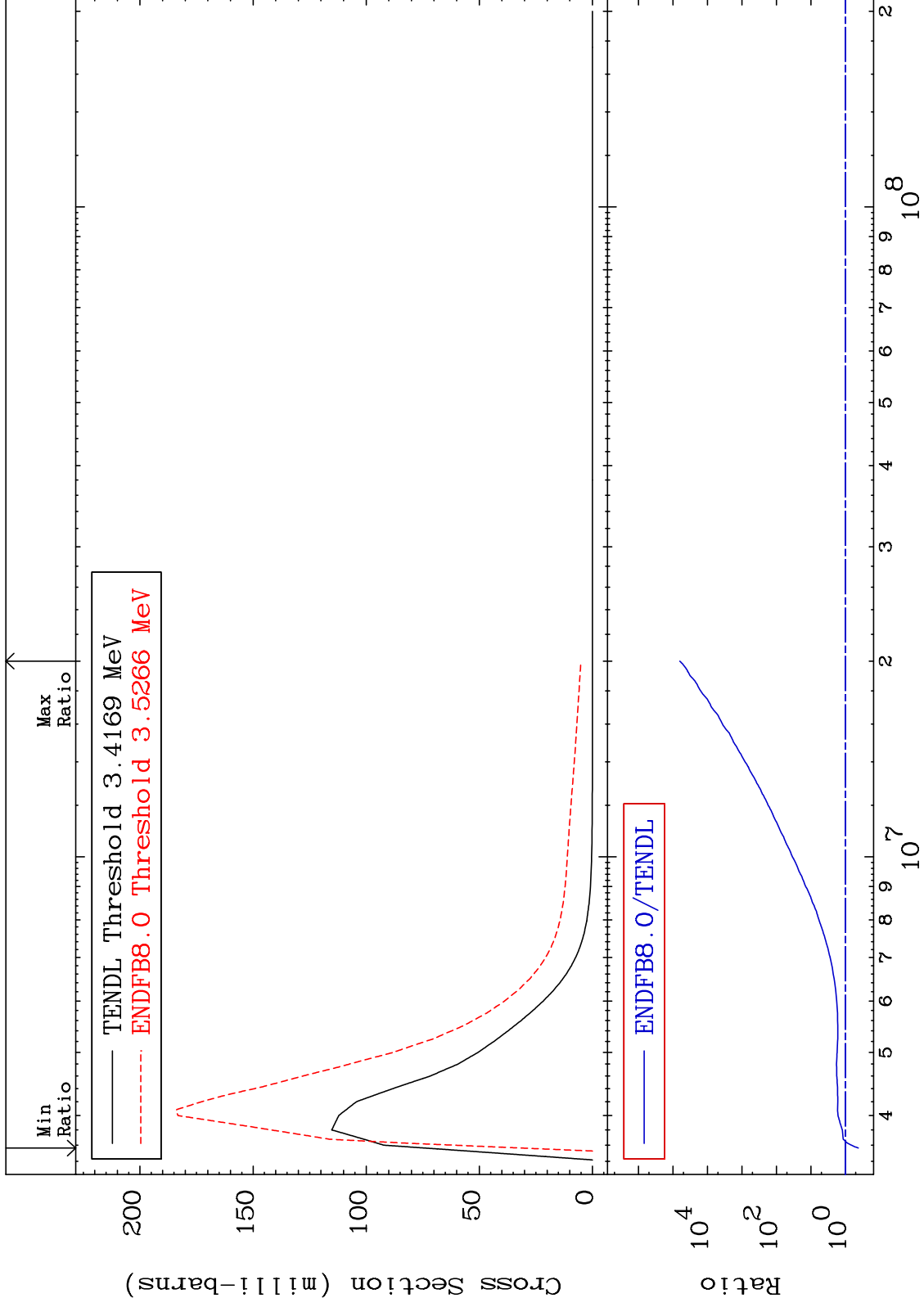
Incident Energy (eV)

38-Sr-88

MAT 3837

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

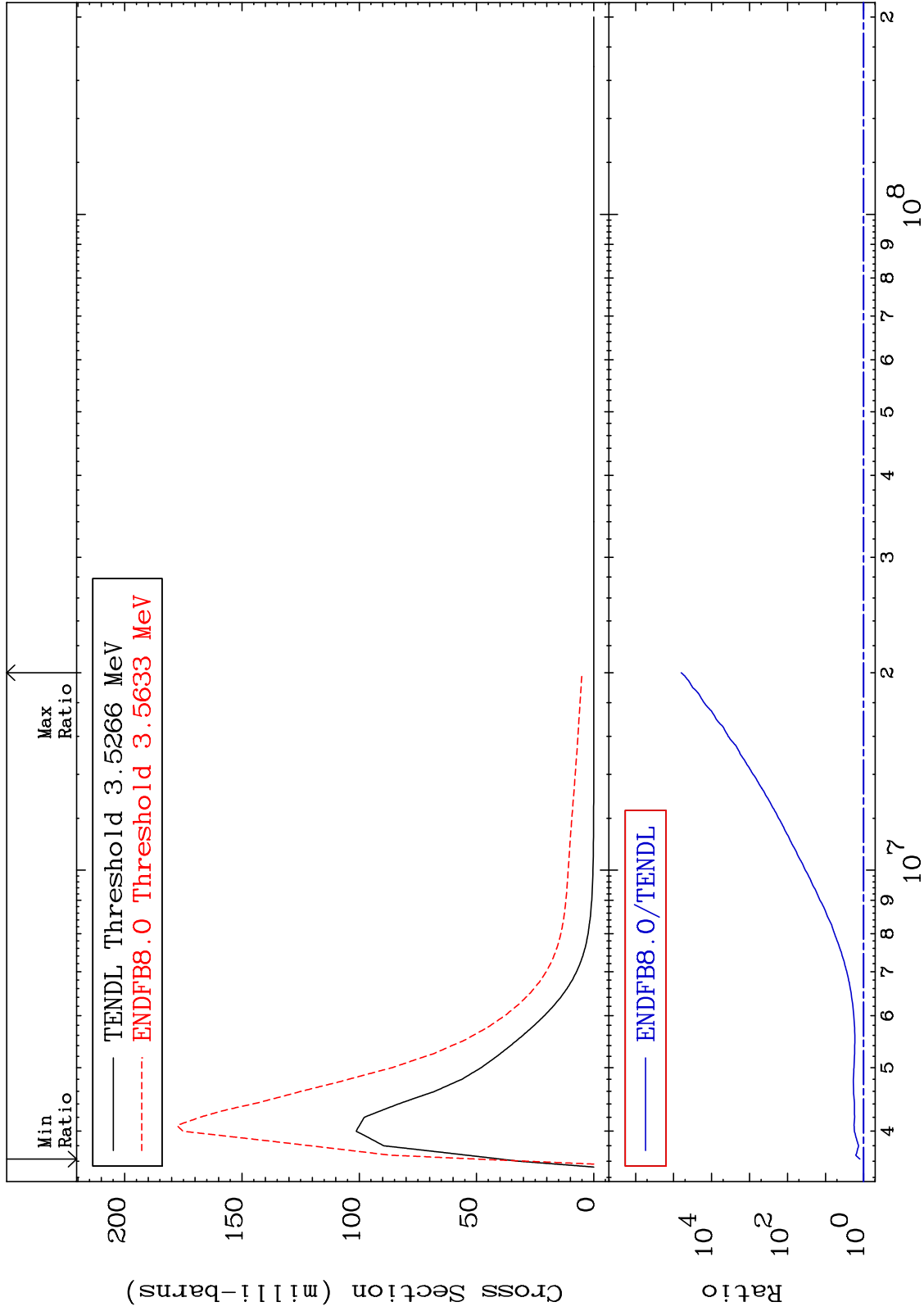
38-Sr-88
-57.86 To 9999. %



MAT 3837

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

38-Sr-88
24.48 To 9999. %



12

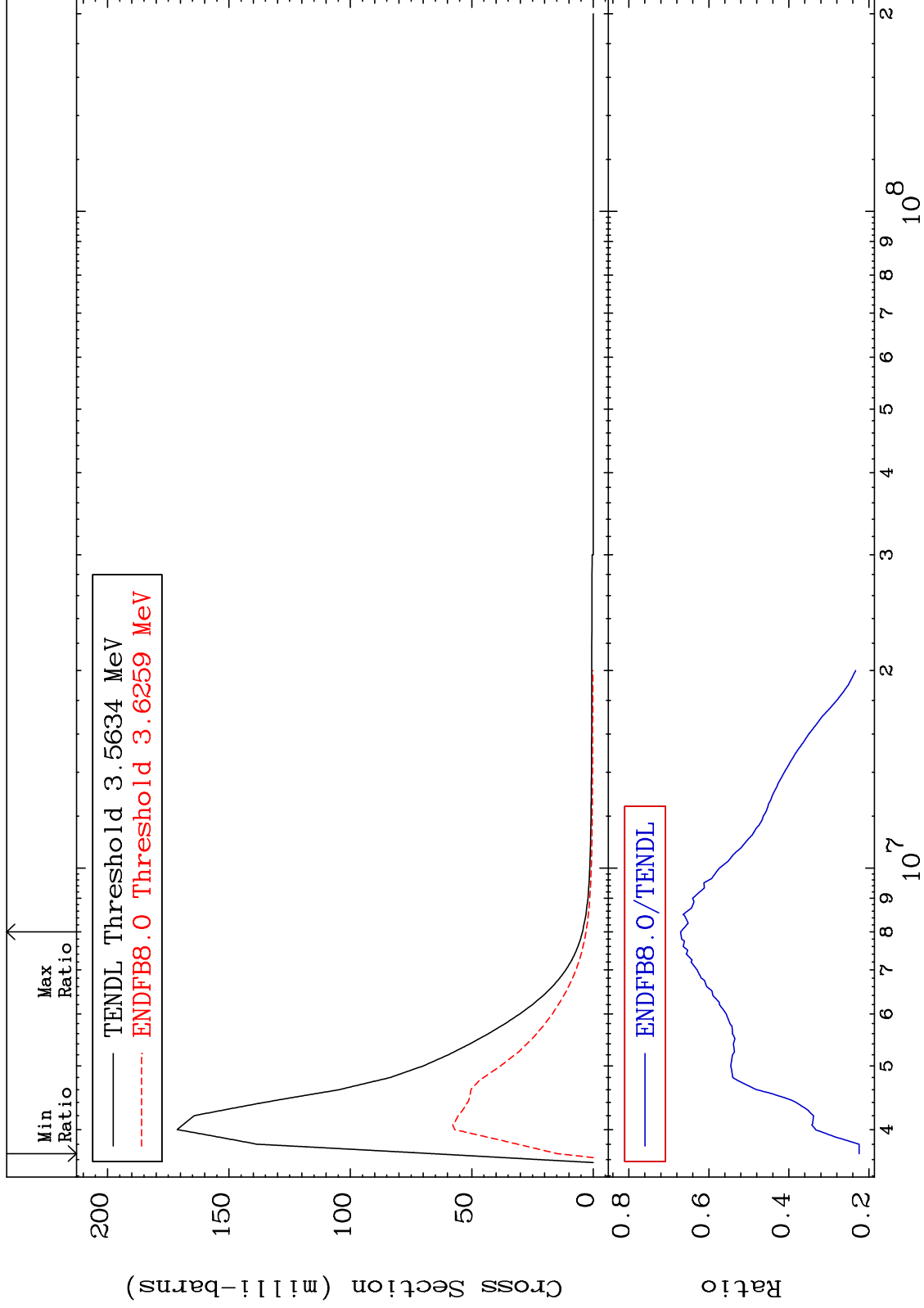
Incident Energy (eV)

38-Sr-88

MAT 3837

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

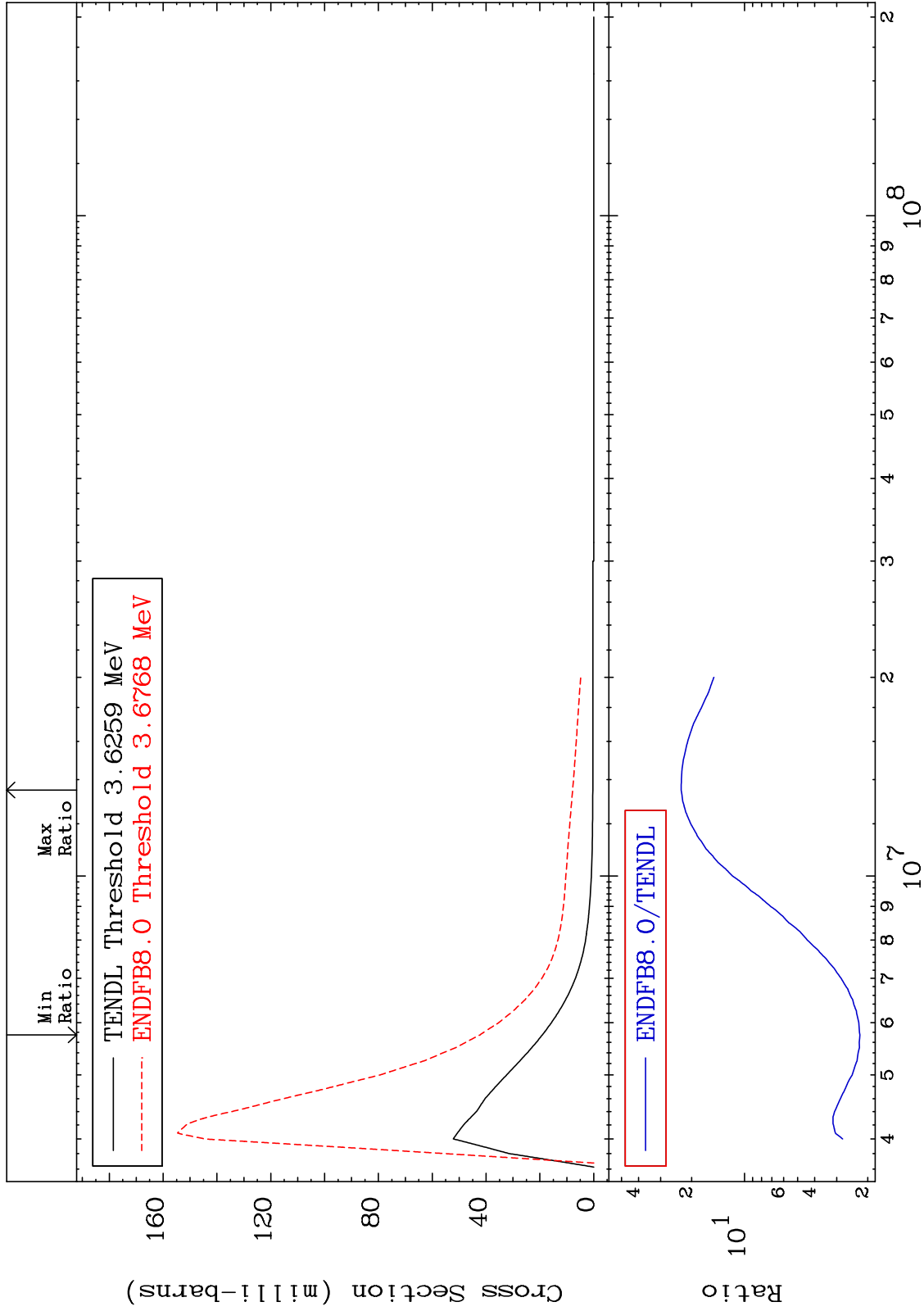
38-Sr-88
-77.58 To -32.94%



MAT 3837

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

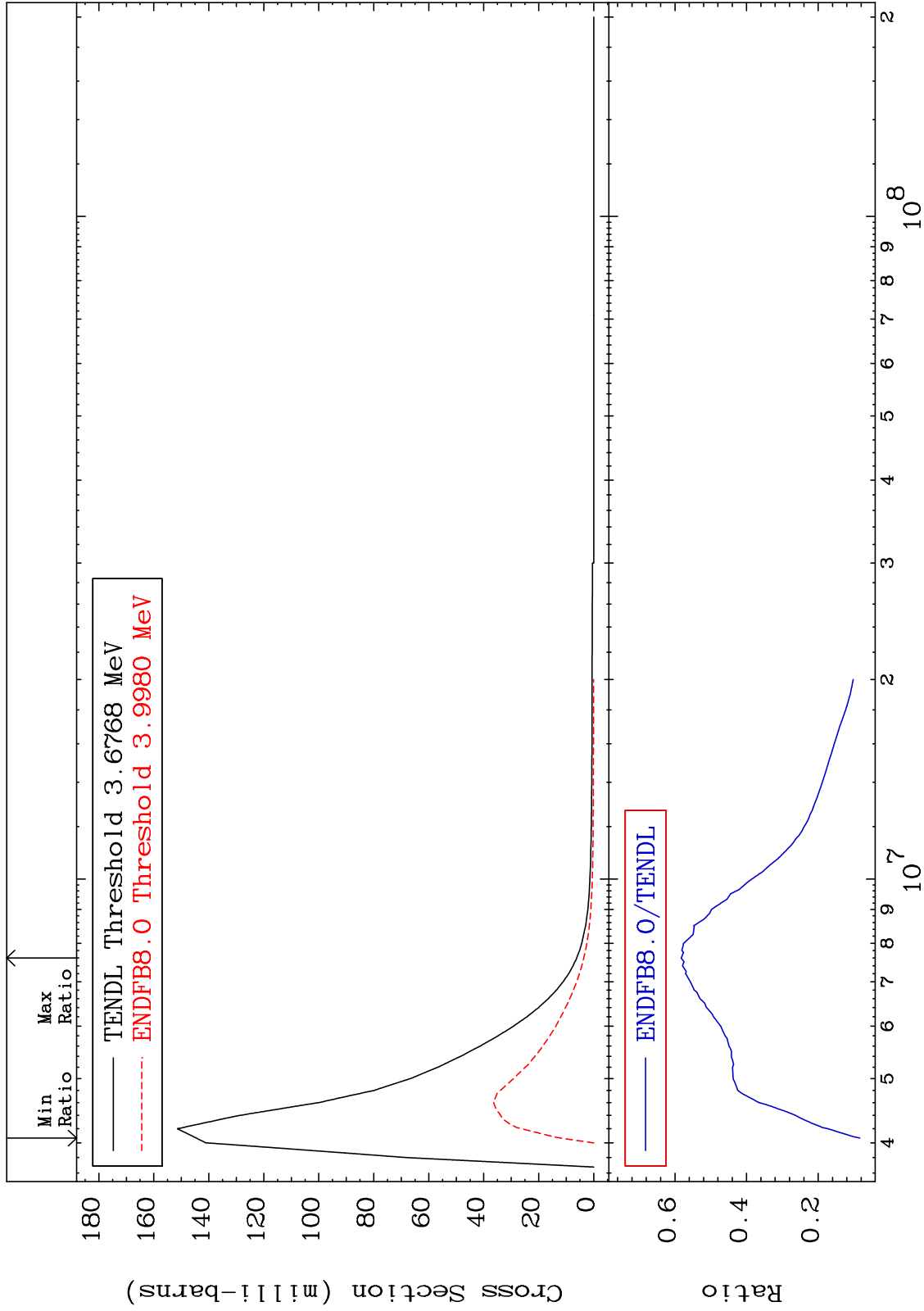
38-Sr-88
121.4 To 2189. %



MAT 3837

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

38-Sr-88
-91.66 To -41.75%



15

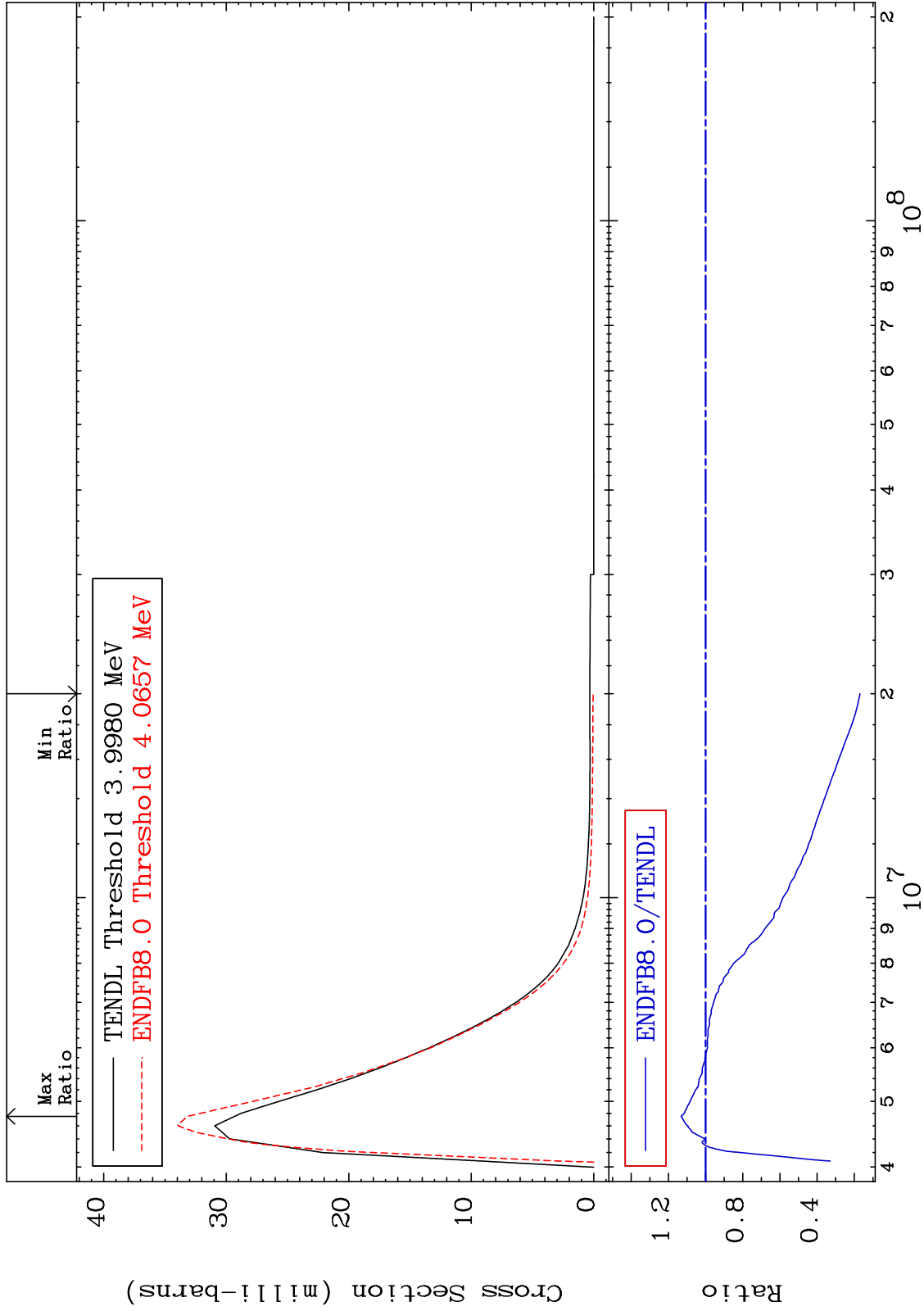
Incident Energy (eV)

38-Sr-88

MAT 3837

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

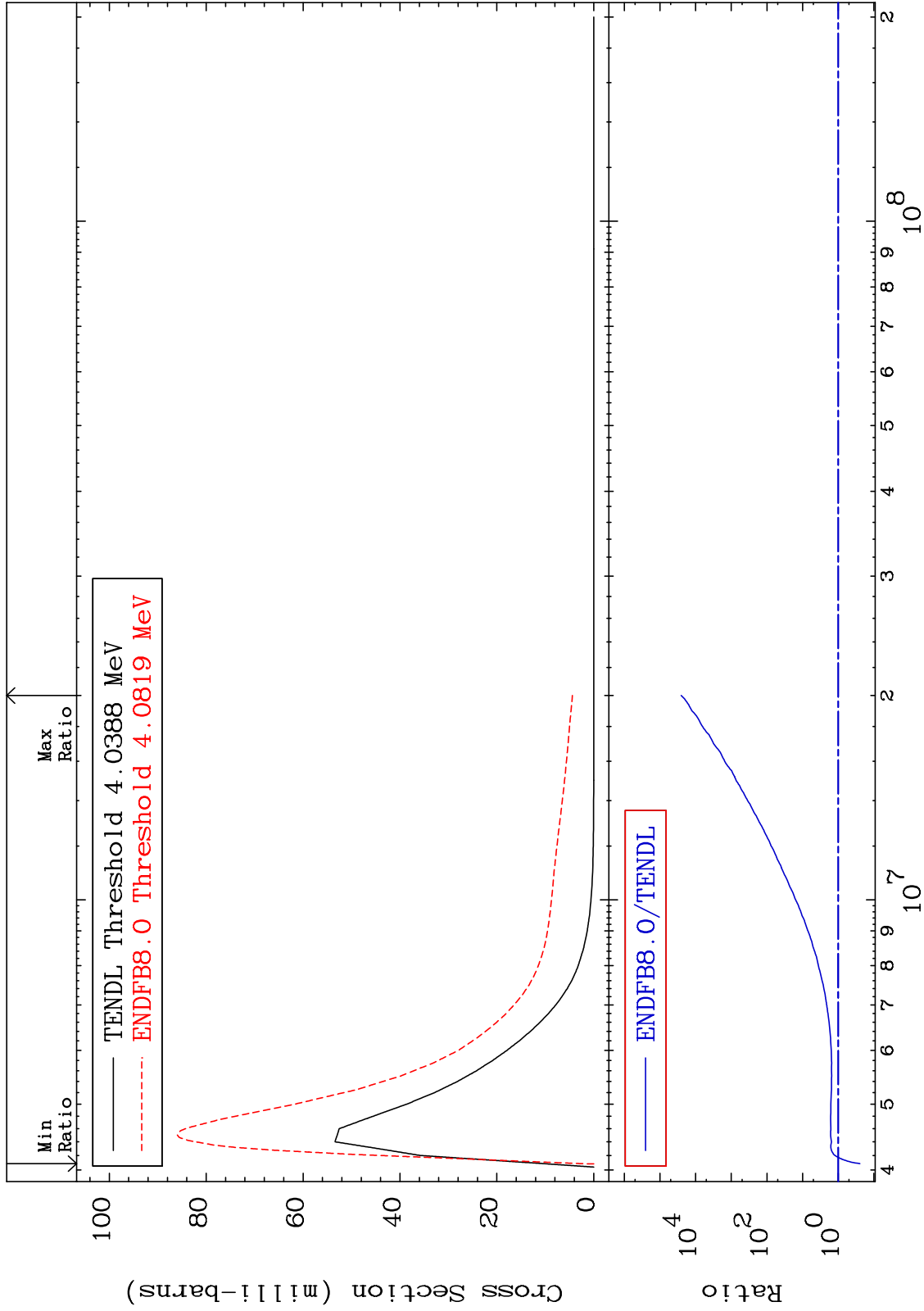
38-Sr-88
-83.02 To 13.11 %



MAT 3837

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

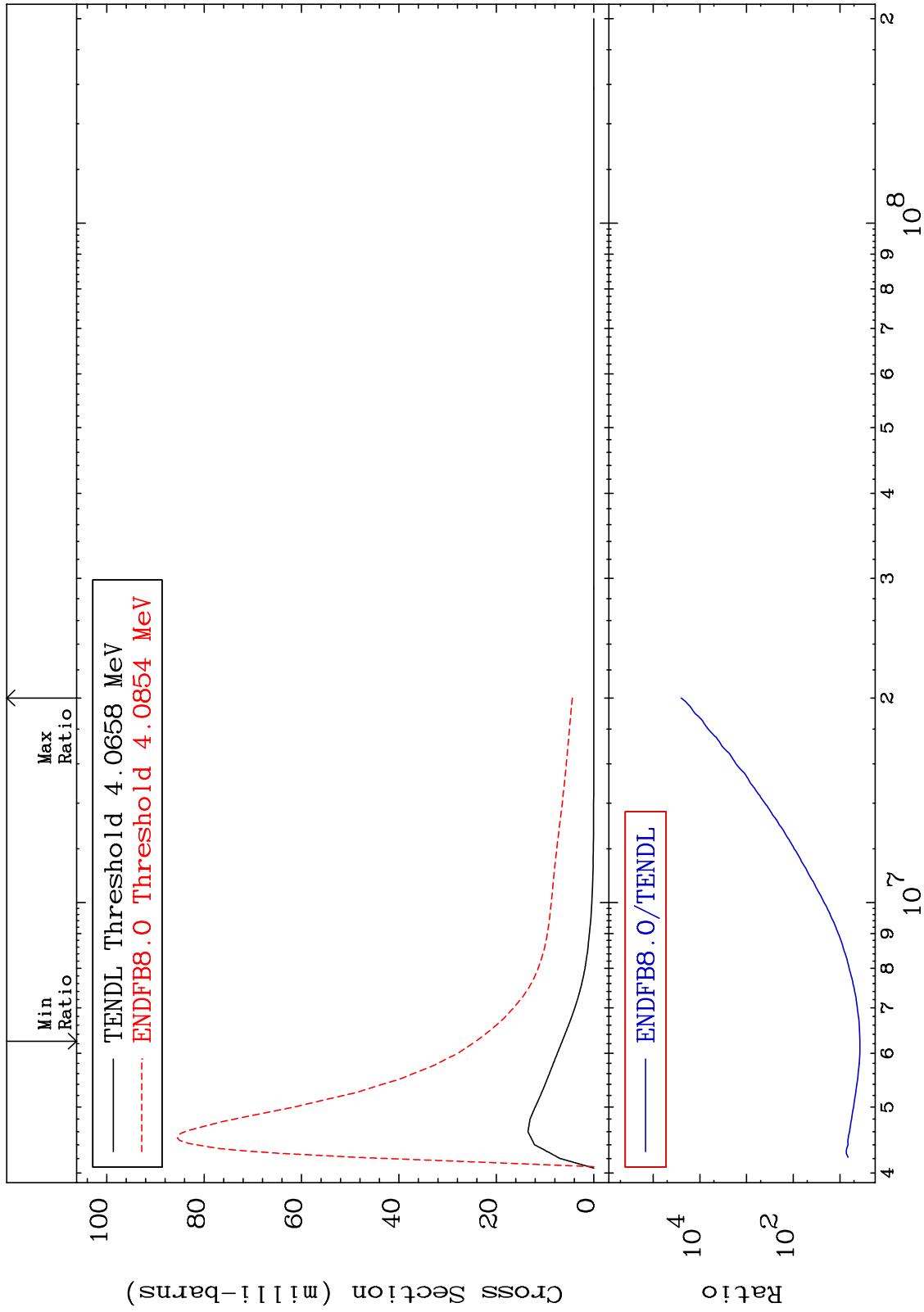
38-Sr-88
-75.50 To 9999. %



MAT 3837

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

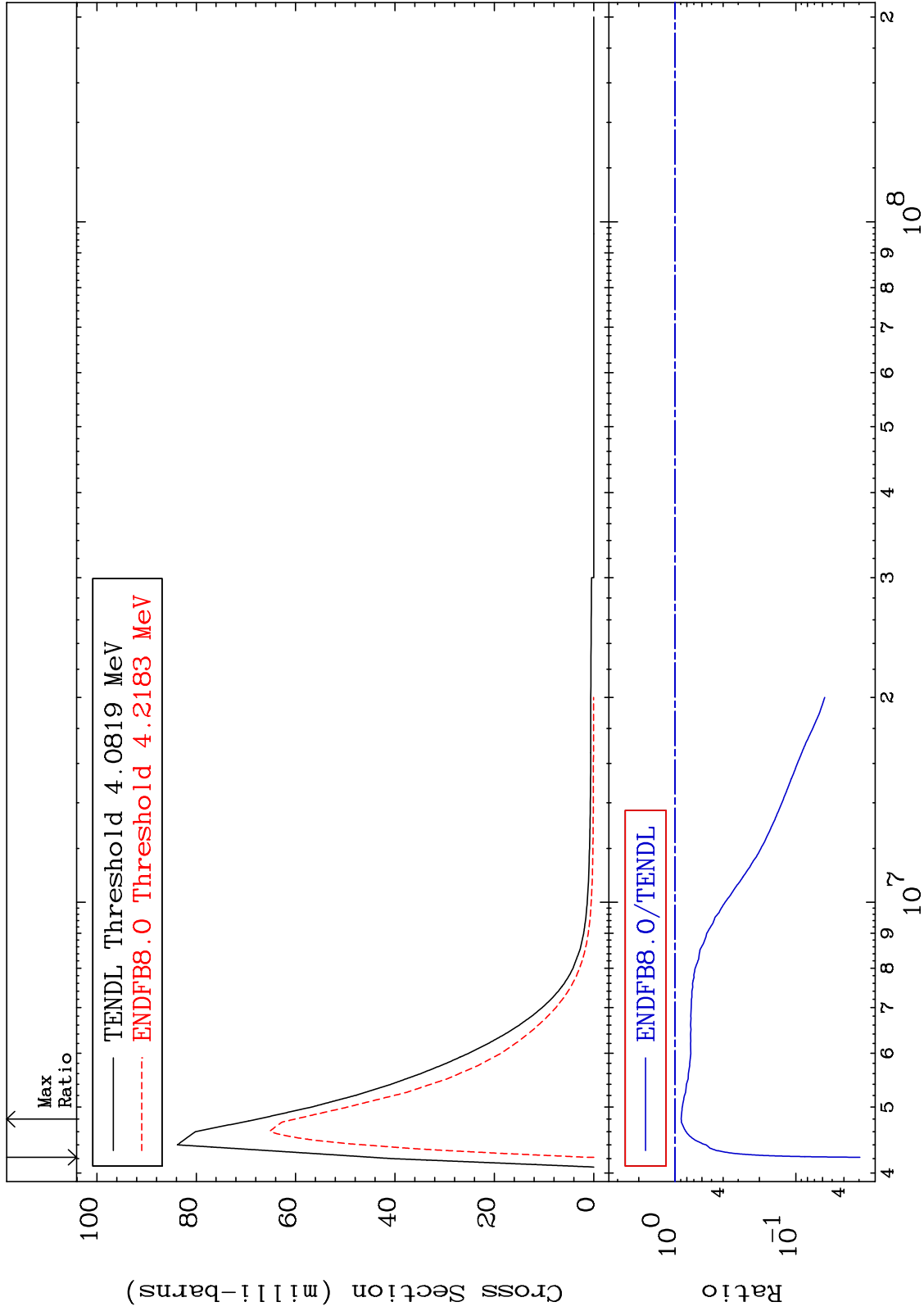
38-Sr-88
273.1 To 9999. %



MAT 3837

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

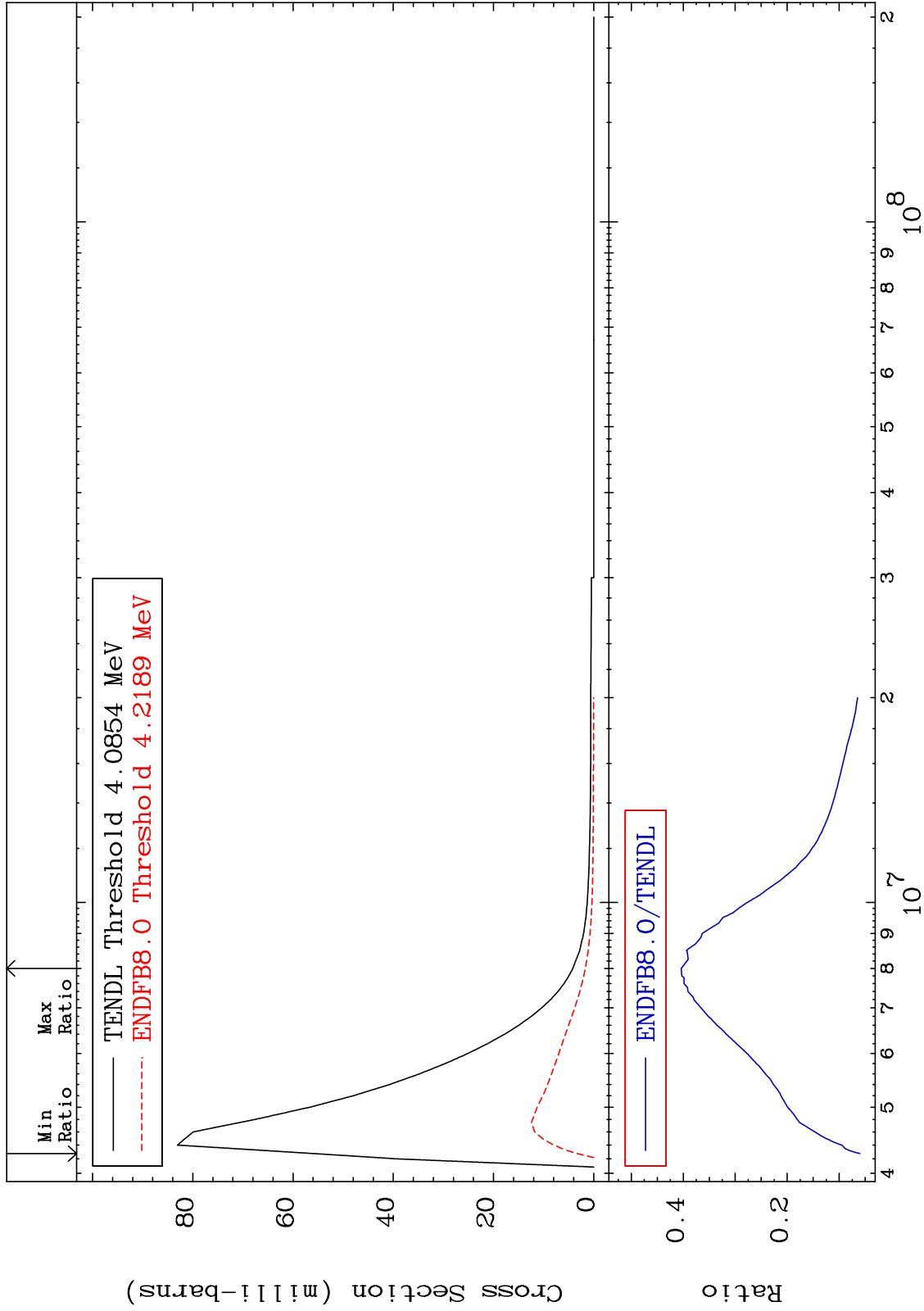
38-Sr-88
-97.06 To -11.04%



MAT 3837

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

38-Sr-88
-94.00 To -59.61%



20

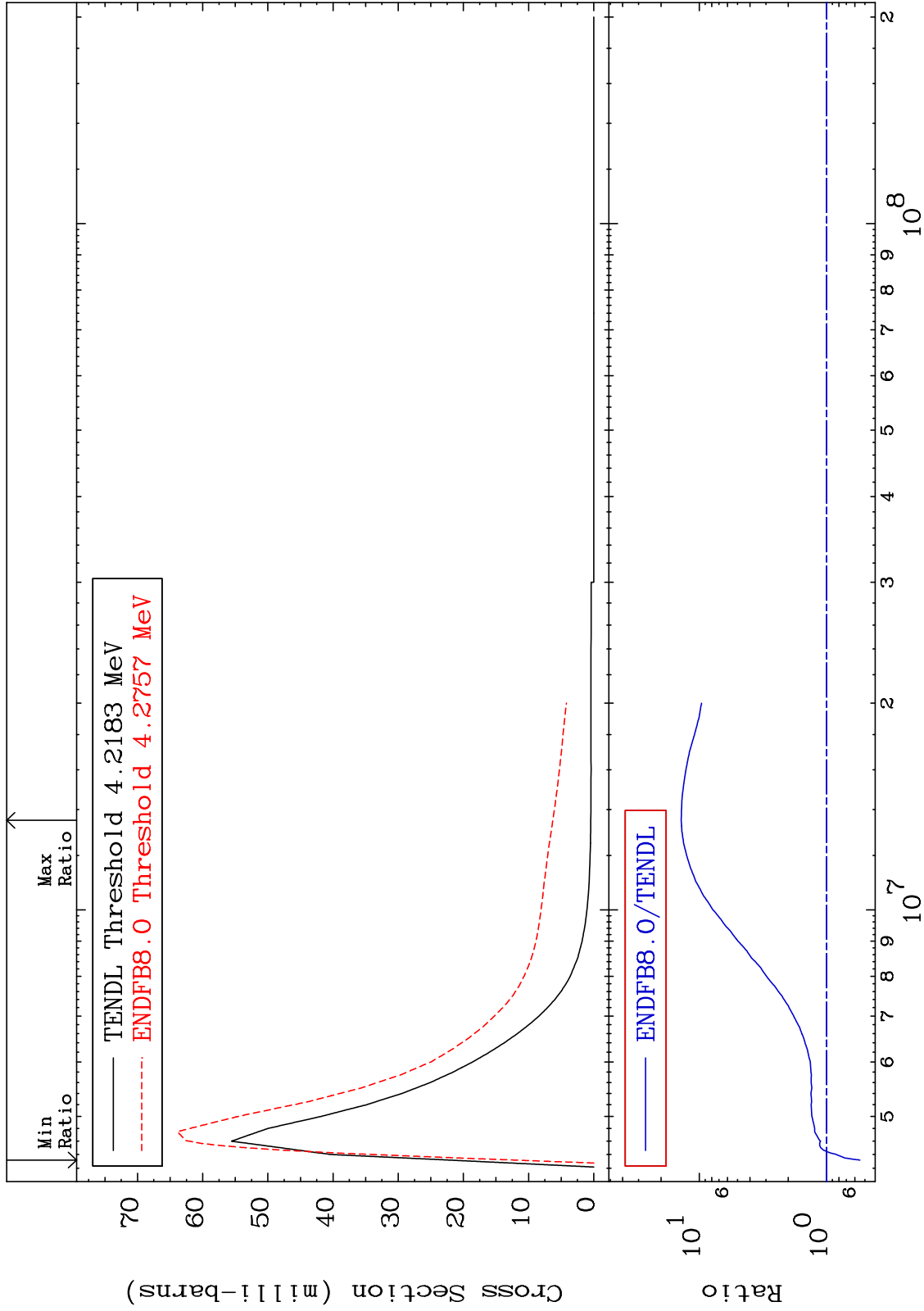
Incident Energy (eV)

38-Sr-88

MAT 3837

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

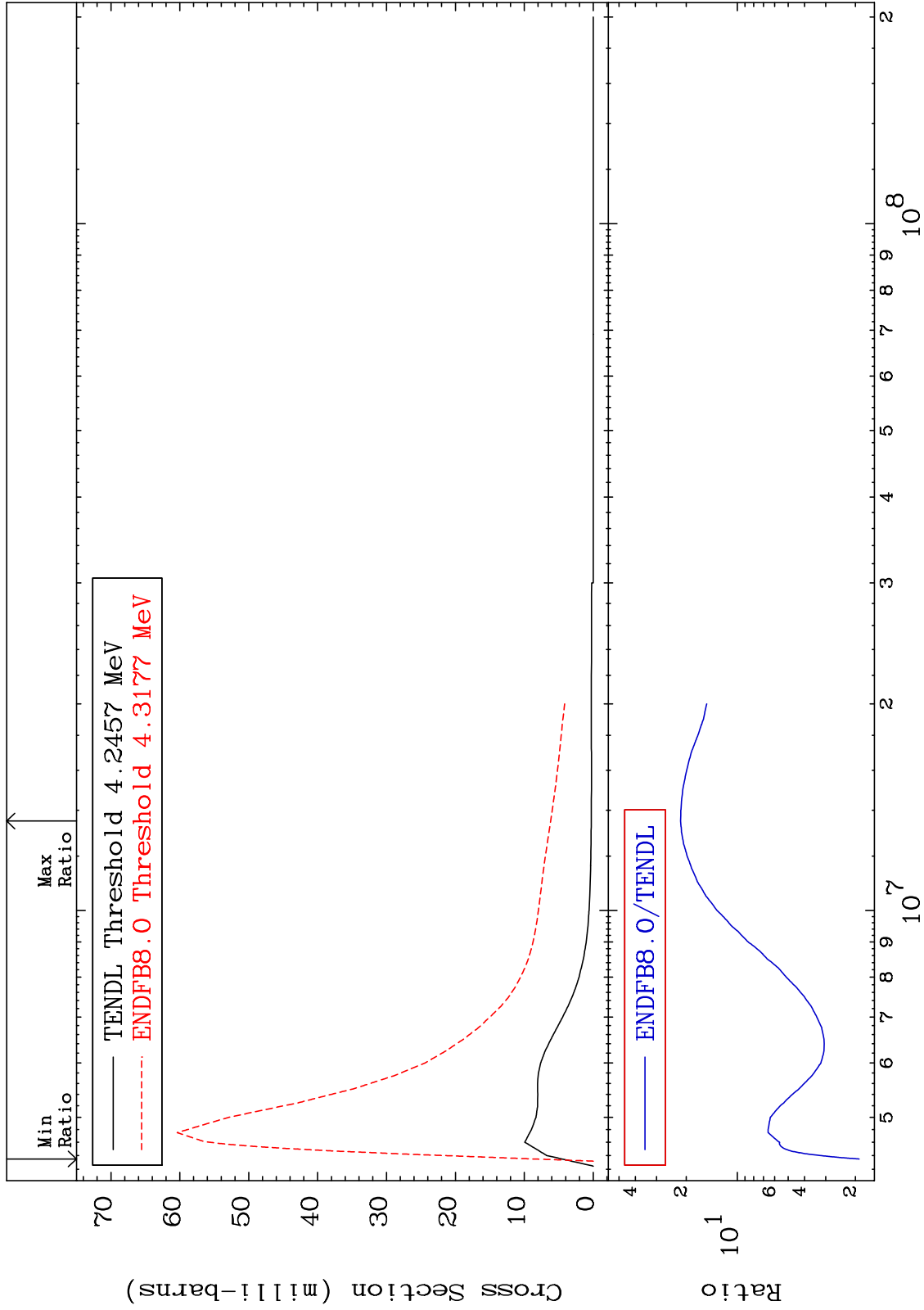
38-Sr-88
-45.30 To 1287. %



MAT 3837

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

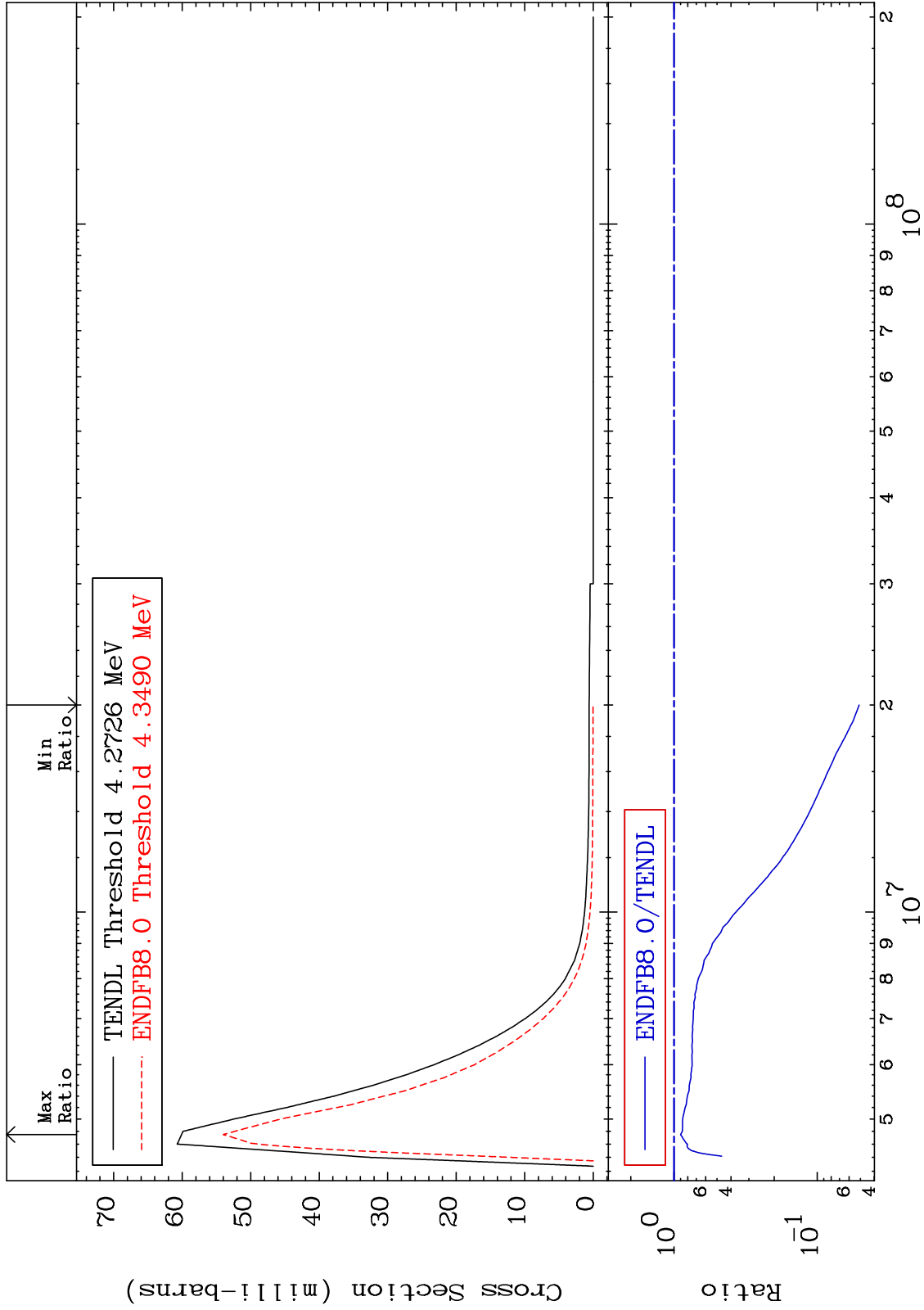
38-Sr-88
90.16 To 2060. %



MAT 3837

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

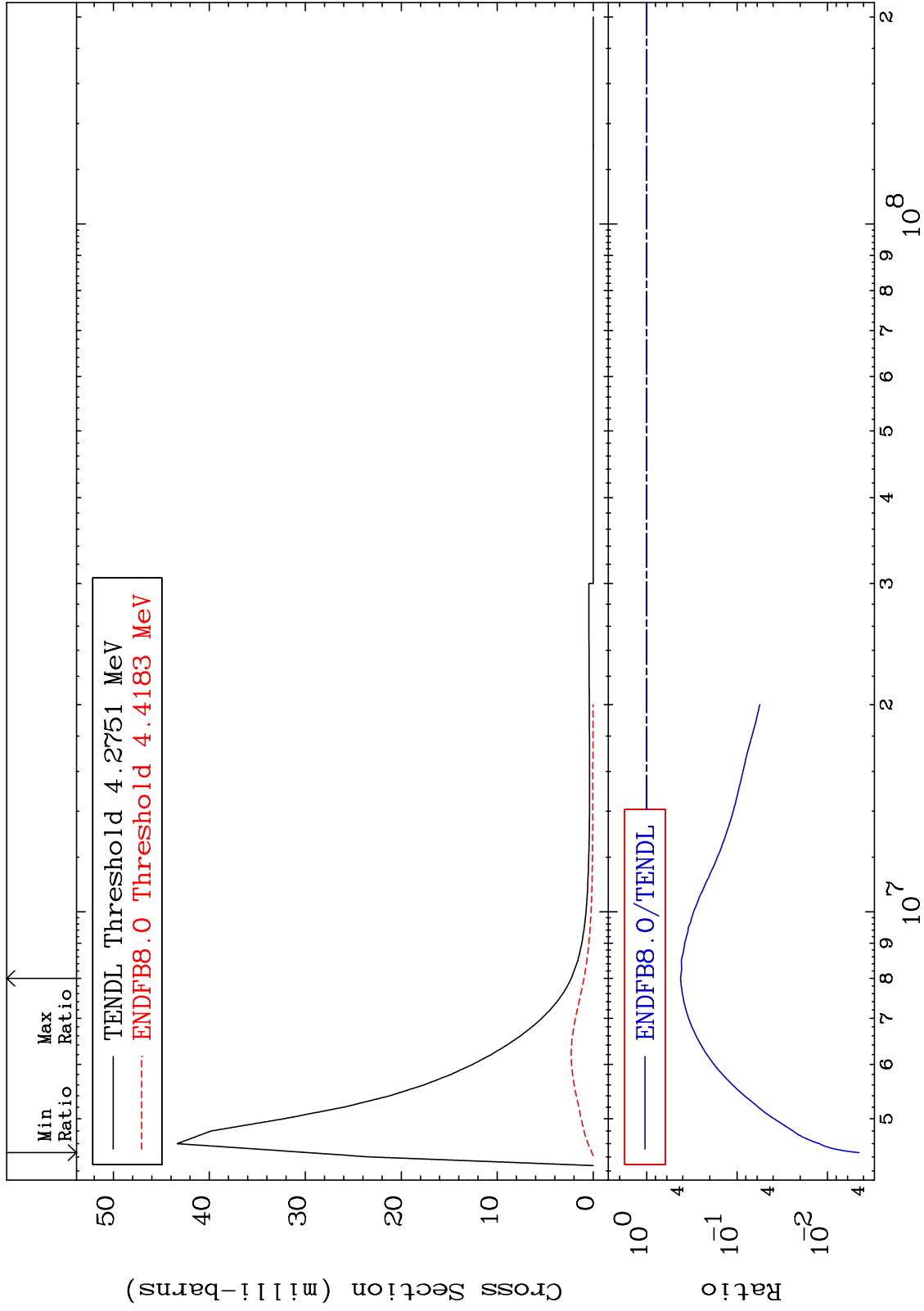
38-Sr-88
-94.90 To -10.13%



MAT 3837

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

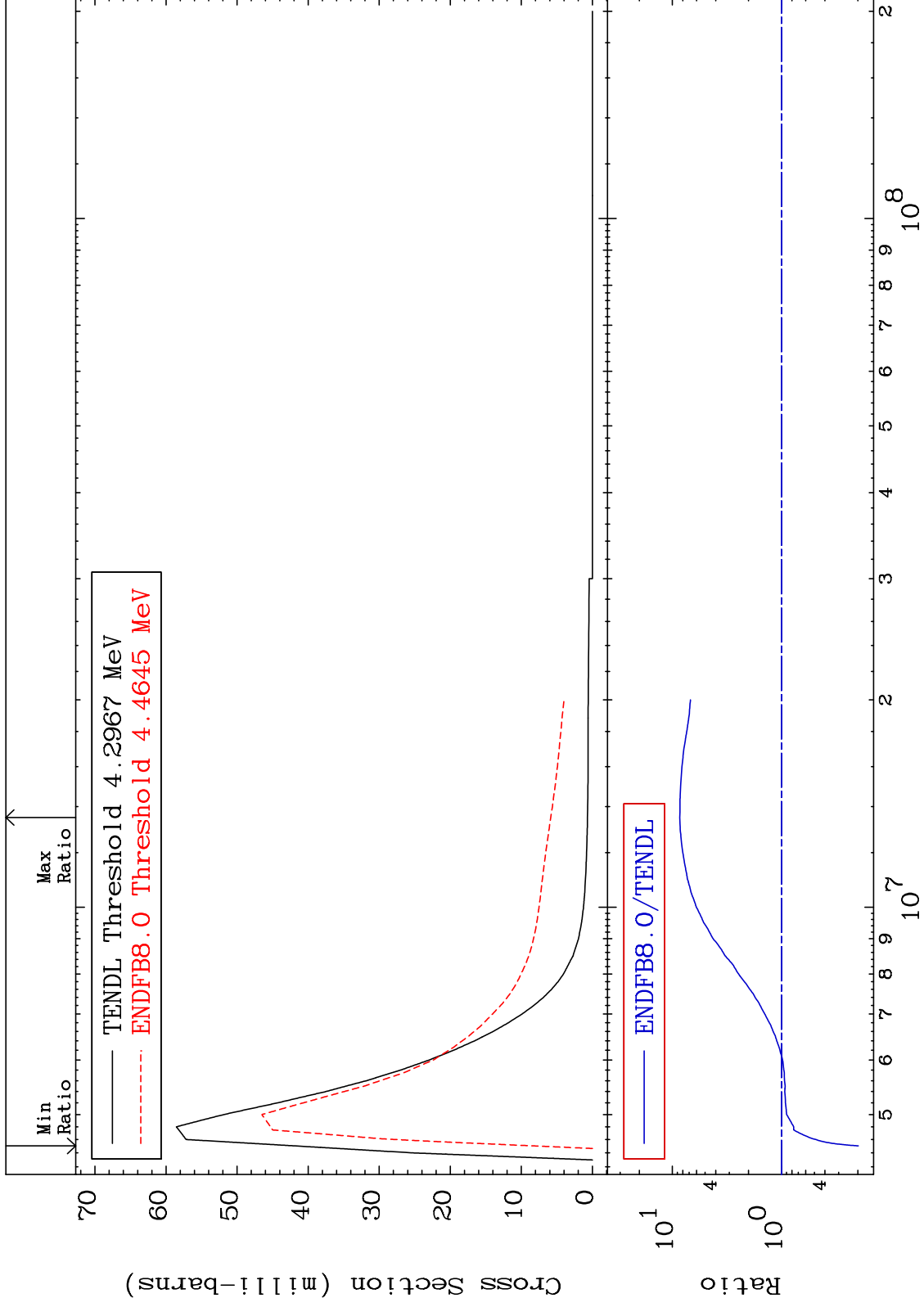
38-Sr-88
-99.55 To -57.82%



MAT 3837

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

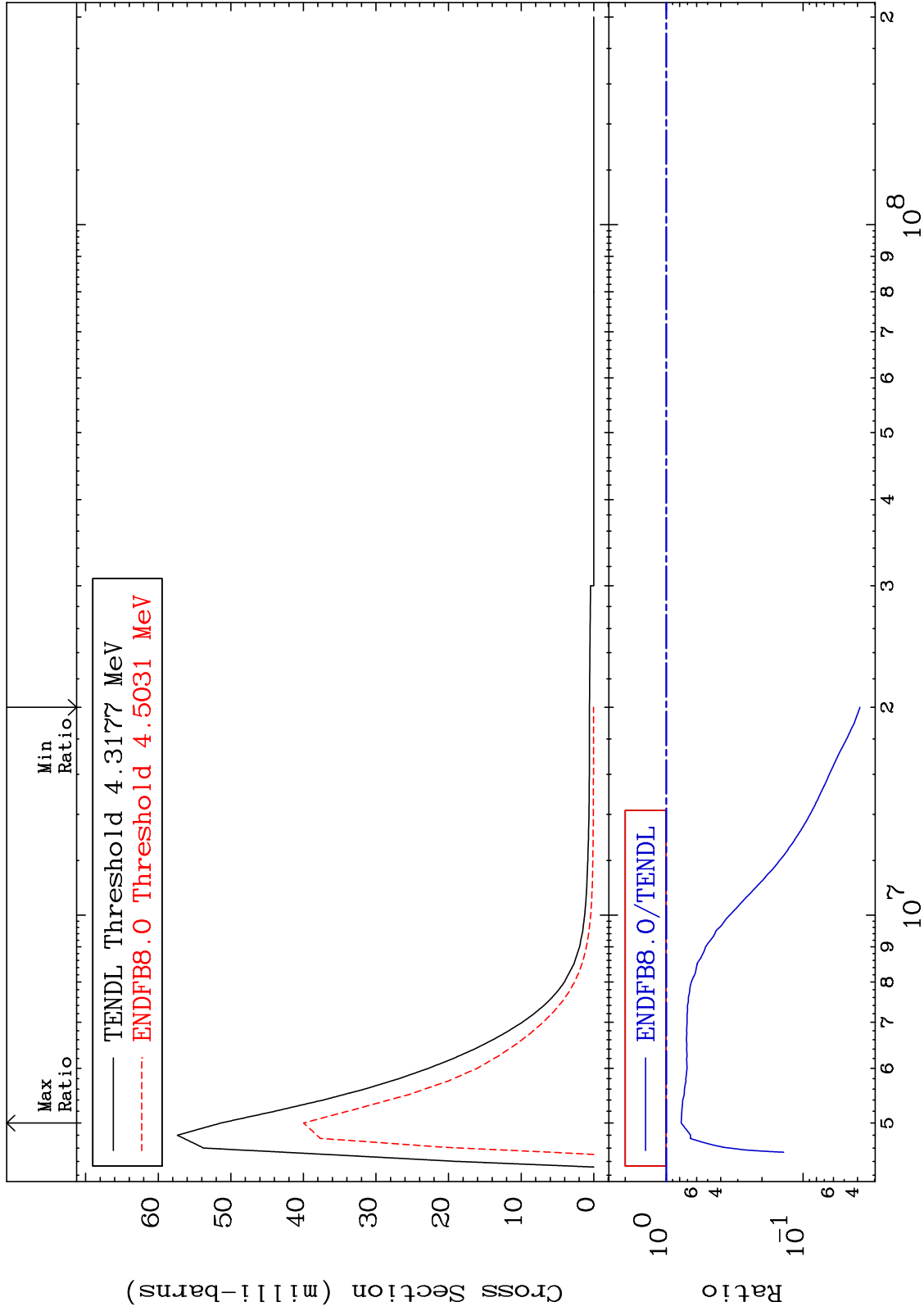
38-Sr-88
-80.23 To 752.4 %



MAT 3837

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

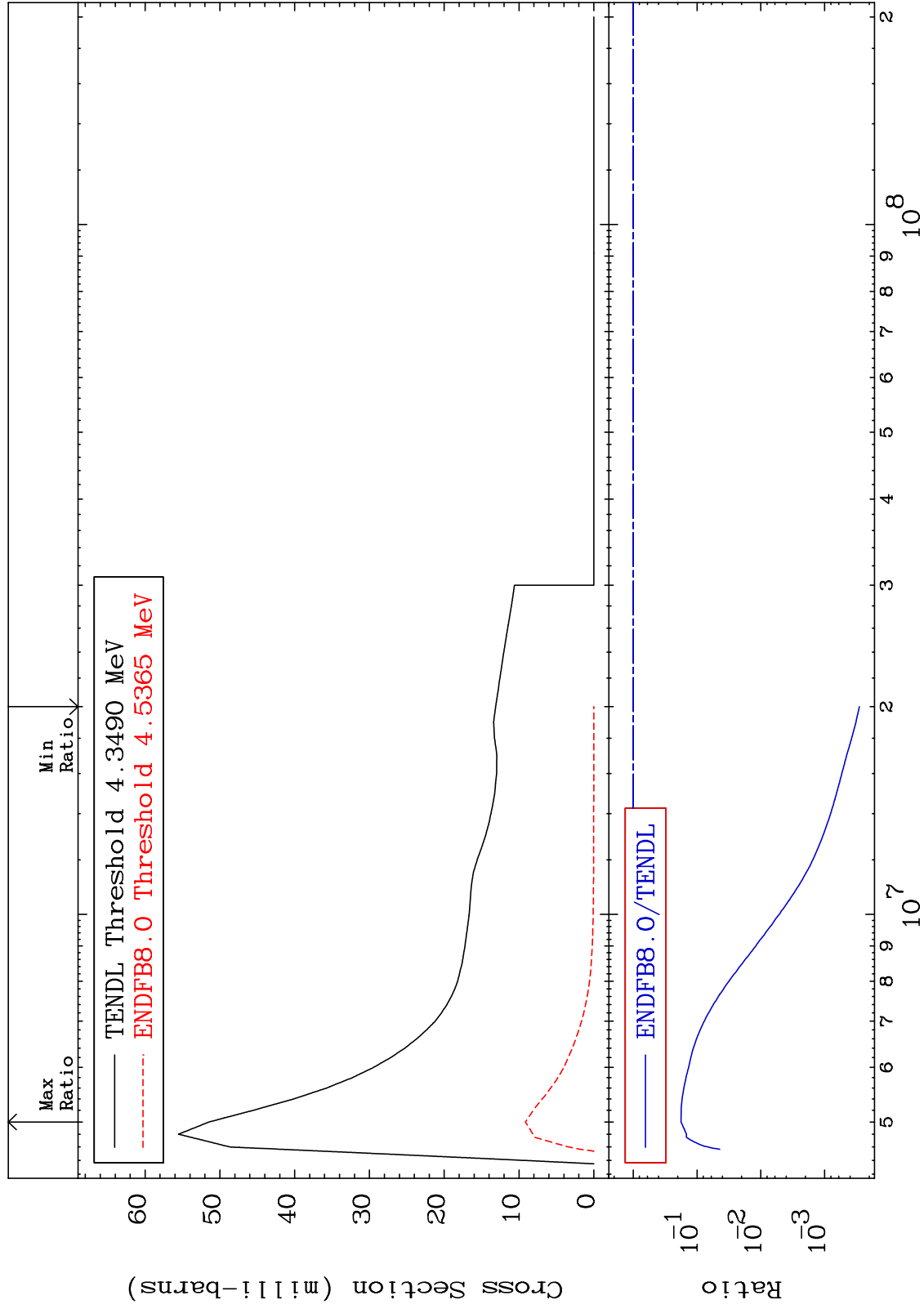
38-Sr-88
-96.16 To -22.17%



MAT 3837

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

38-Sr-88
-99.97 To -82.21%



27

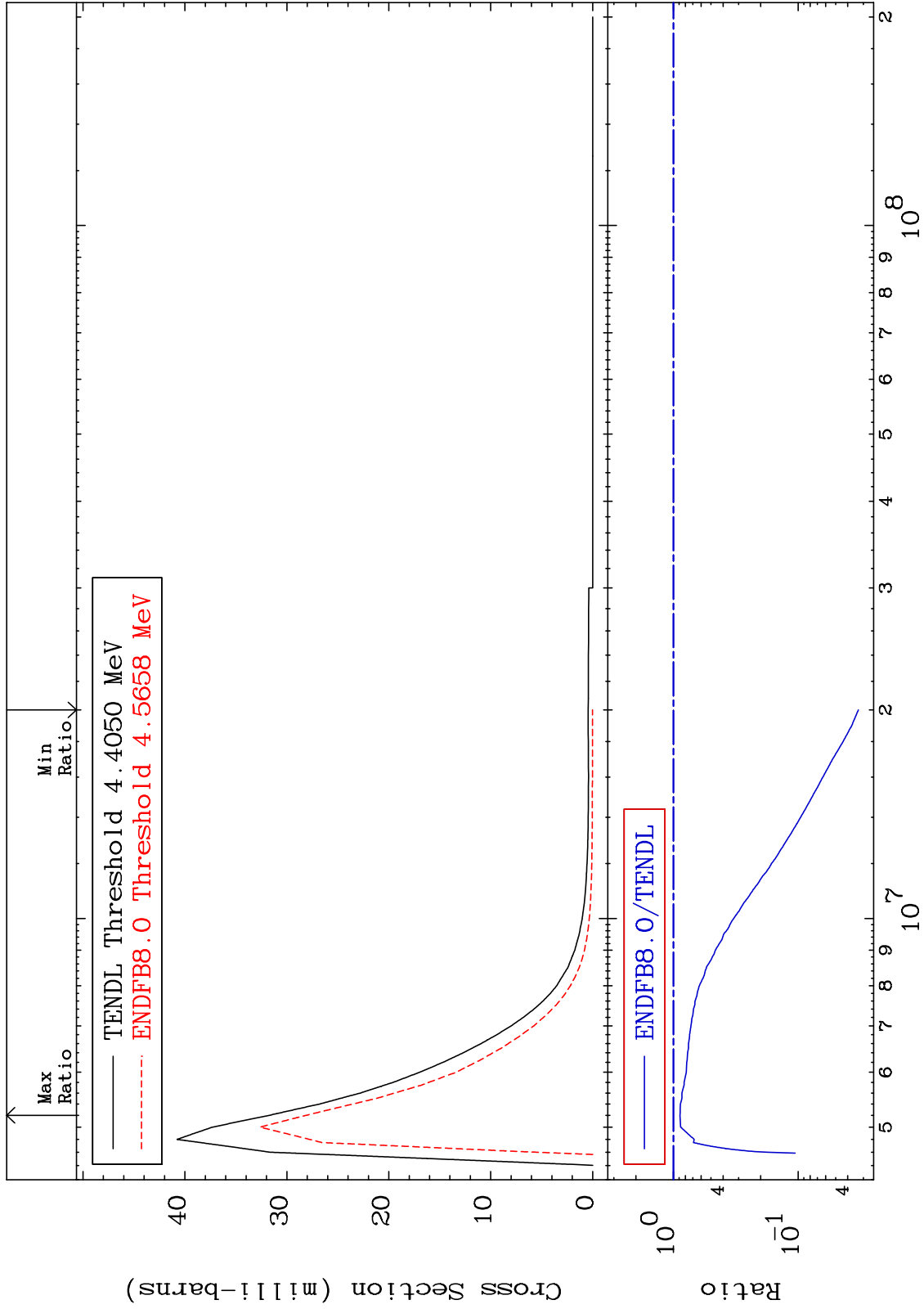
Incident Energy (eV)

38-Sr-88

MAT 3837

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

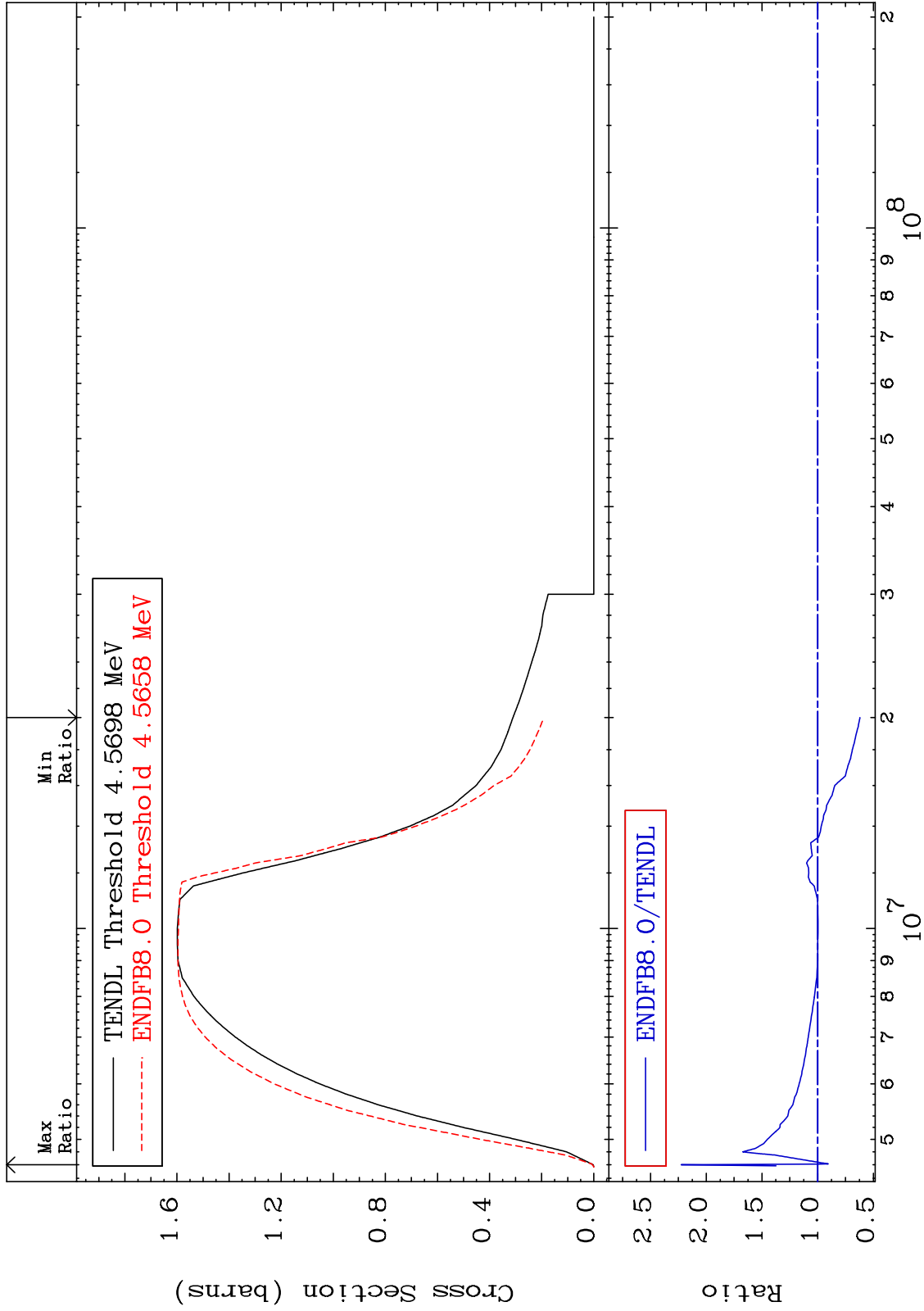
38-Sr-88
-96.72 To -11.47%



MAT 3837

(n,n') Continuum
Cross Section

38-Sr-88
-37.97 To 122.5 %



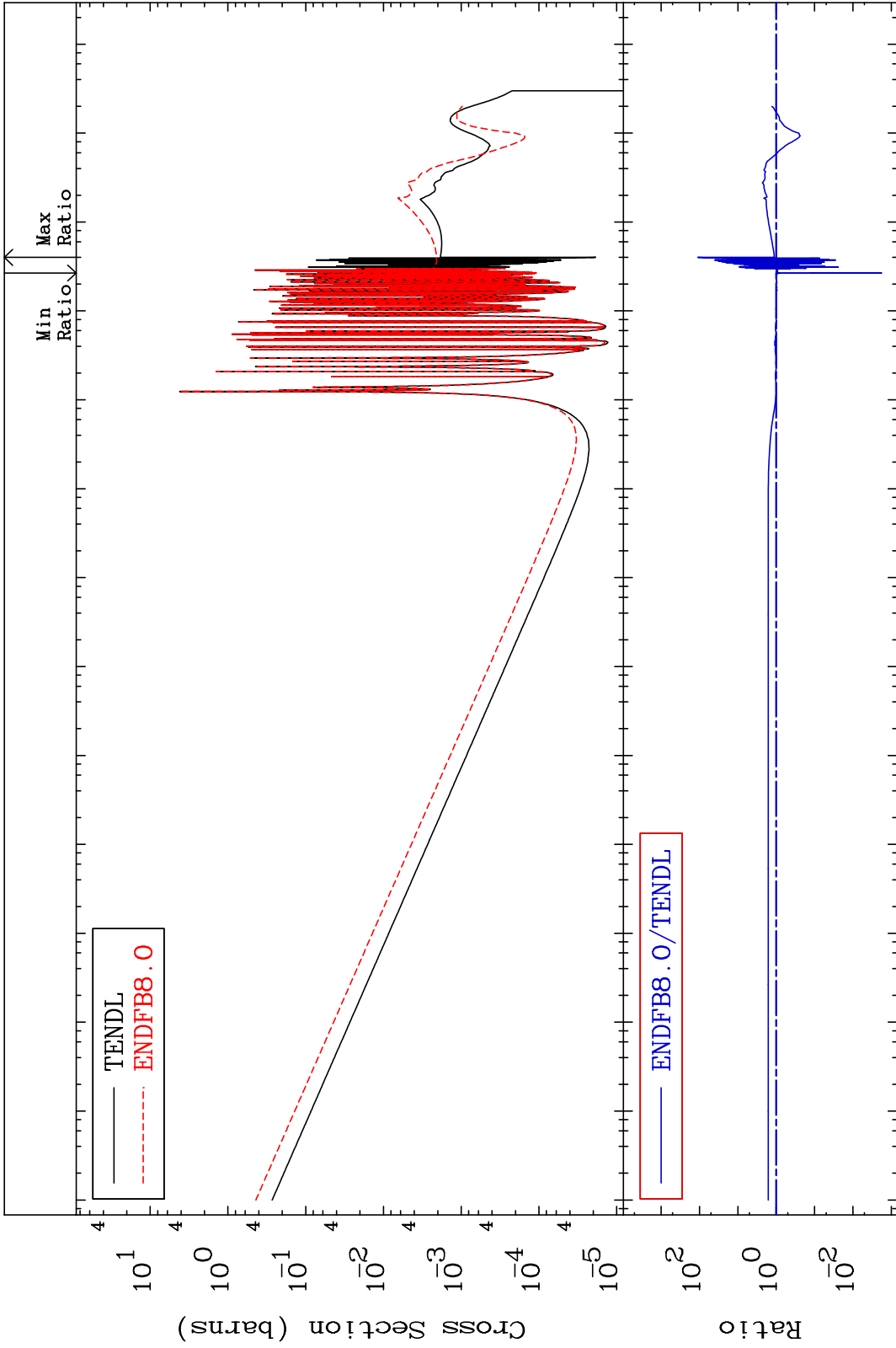
MAT 3837

(n, γ)

38-Sr-88

Cross Section

-99.82 To 9999. %



30

Incident Energy (eV)

38-Sr-88

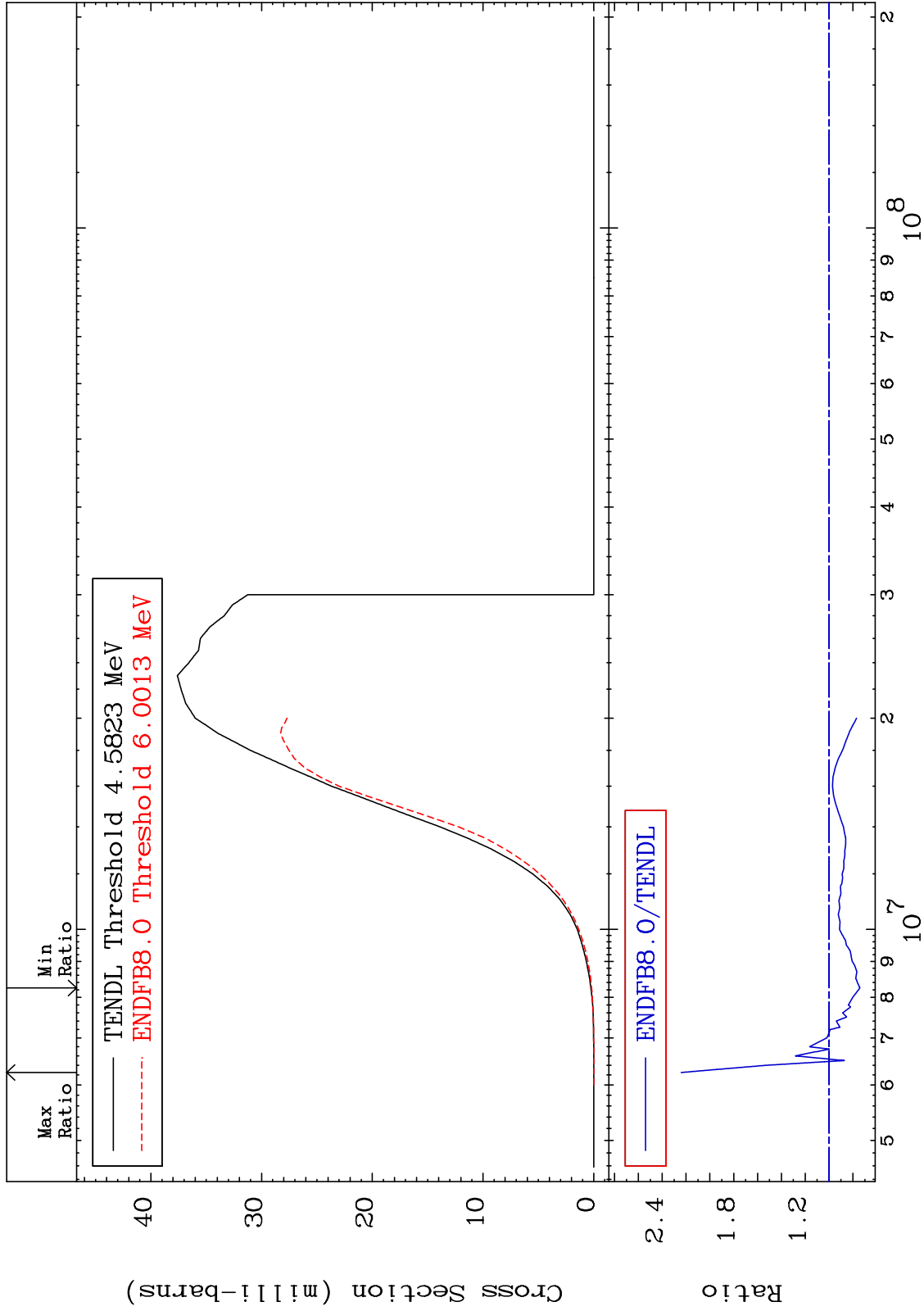
MAT 3837

(n,p)

38-Sr-88

Cross Section

-25.90 To 124.0 %



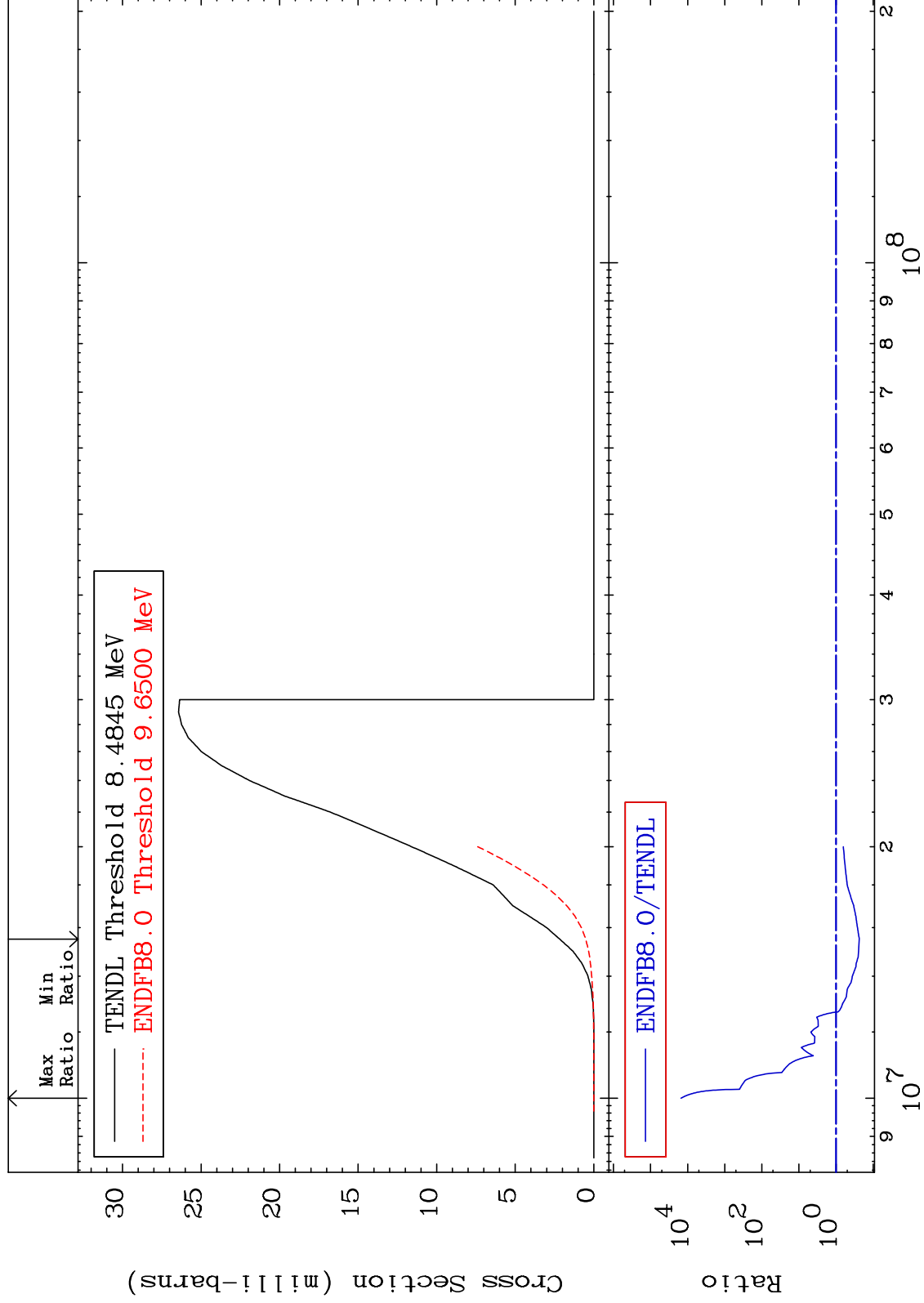
MAT 3837

(n,d)

38-Sr-88

Cross Section

-76.38 To 9999. %



32

Incident Energy (eV)

38-Sr-88

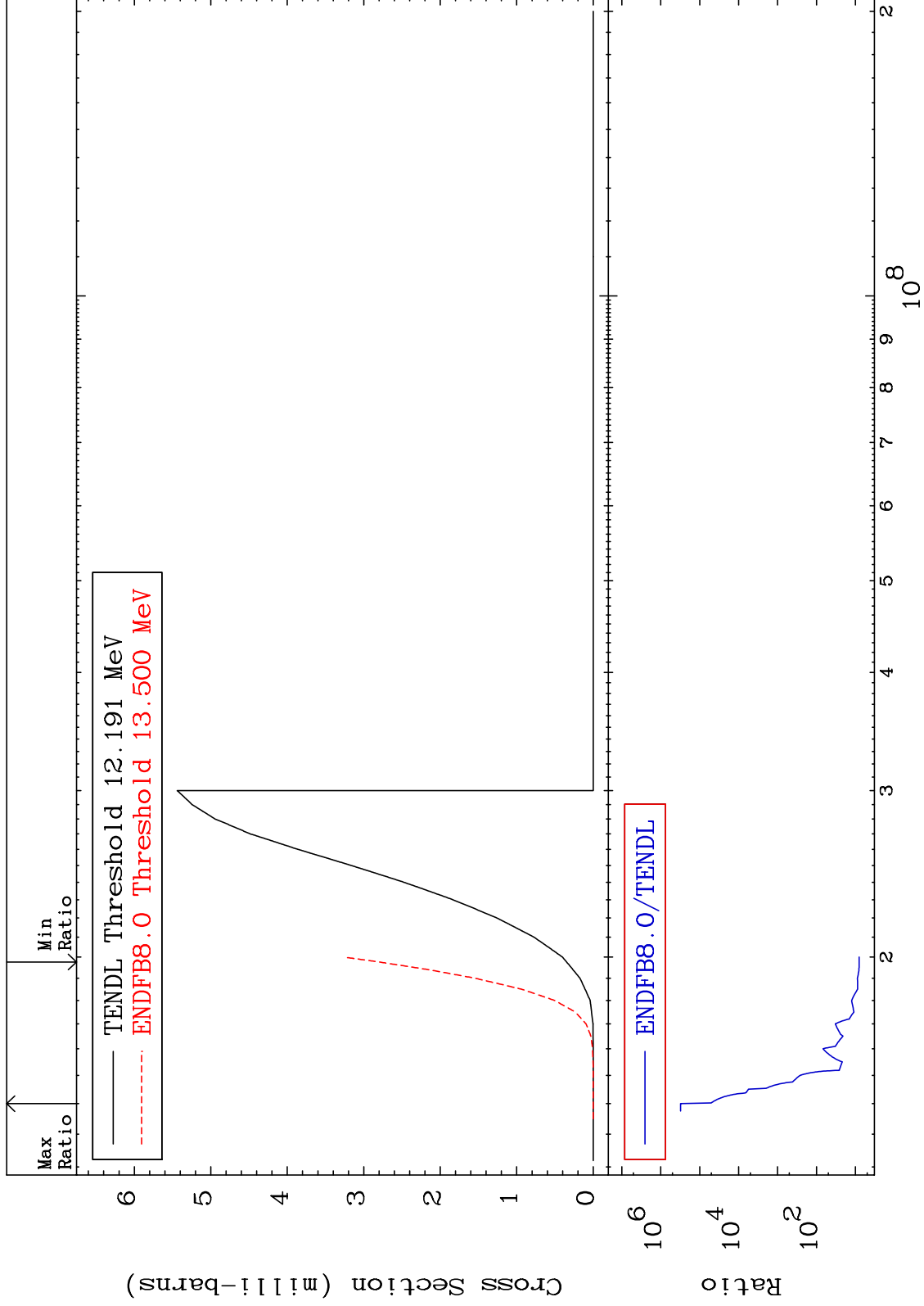
MAT 3837

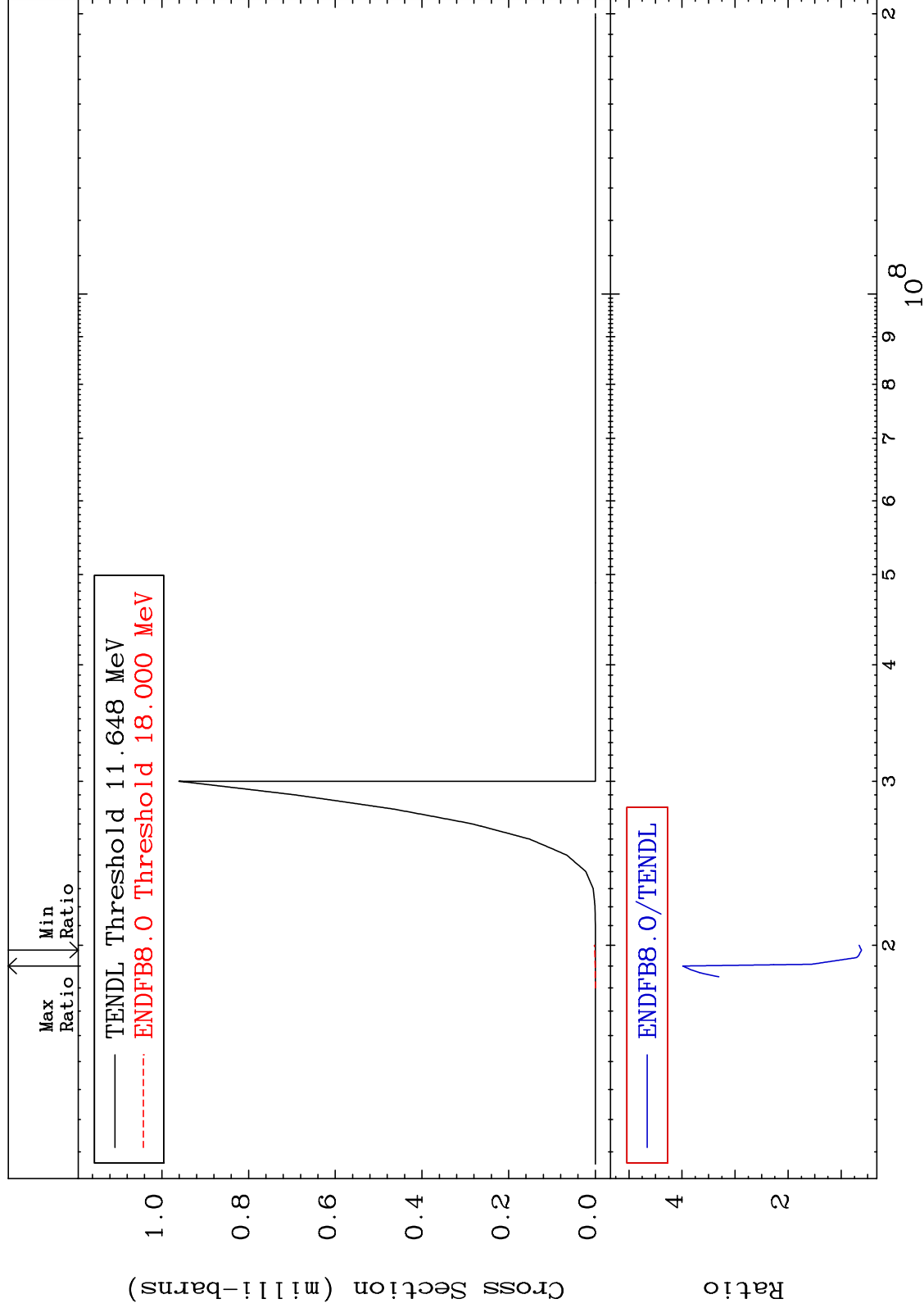
(n, t)

38-Sr-88

Cross Section

704.6 To 9999. %





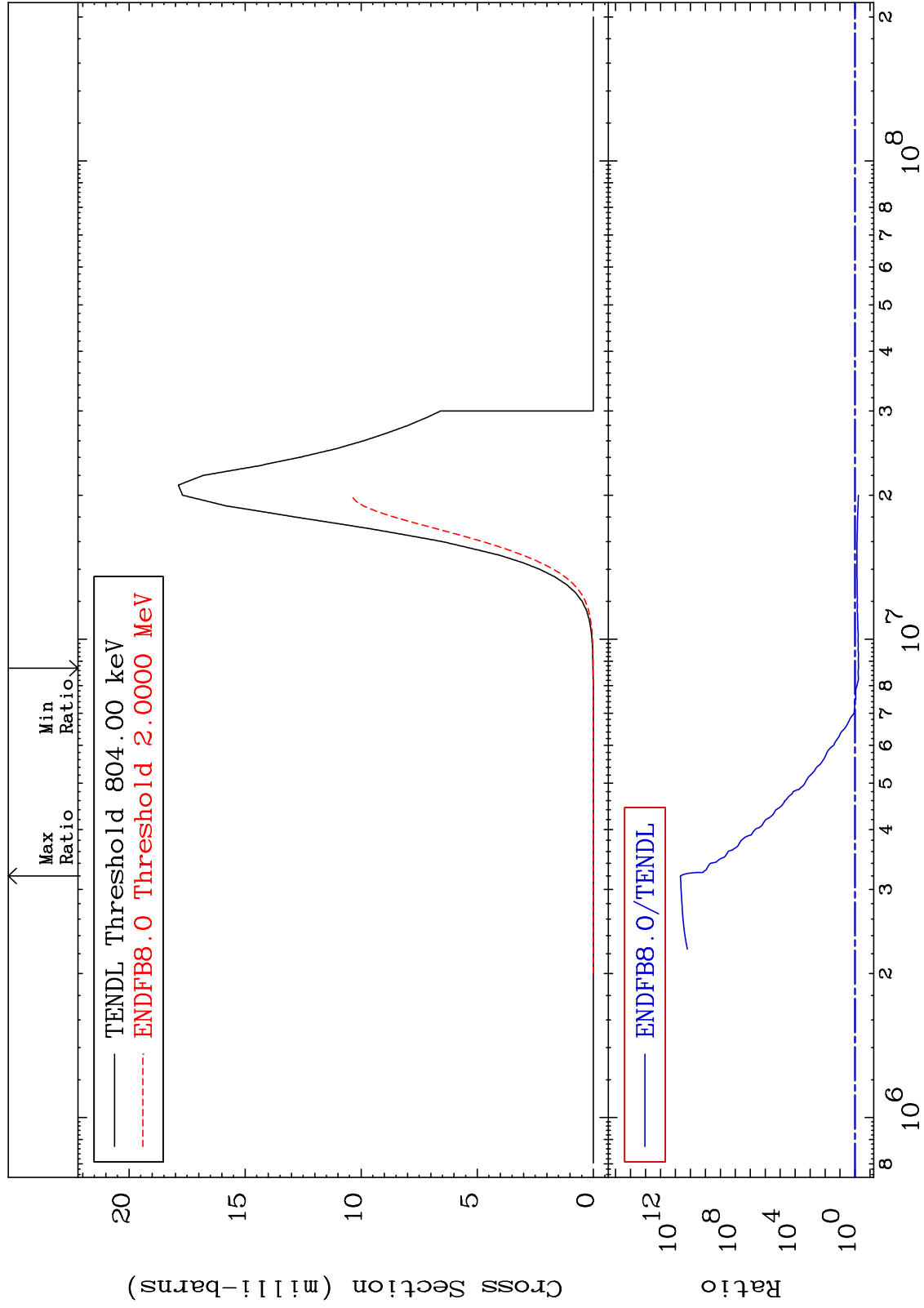
MAT 3837

(n, α)

38-Sr-88

-41.89 To 9999. %

Cross Section



35

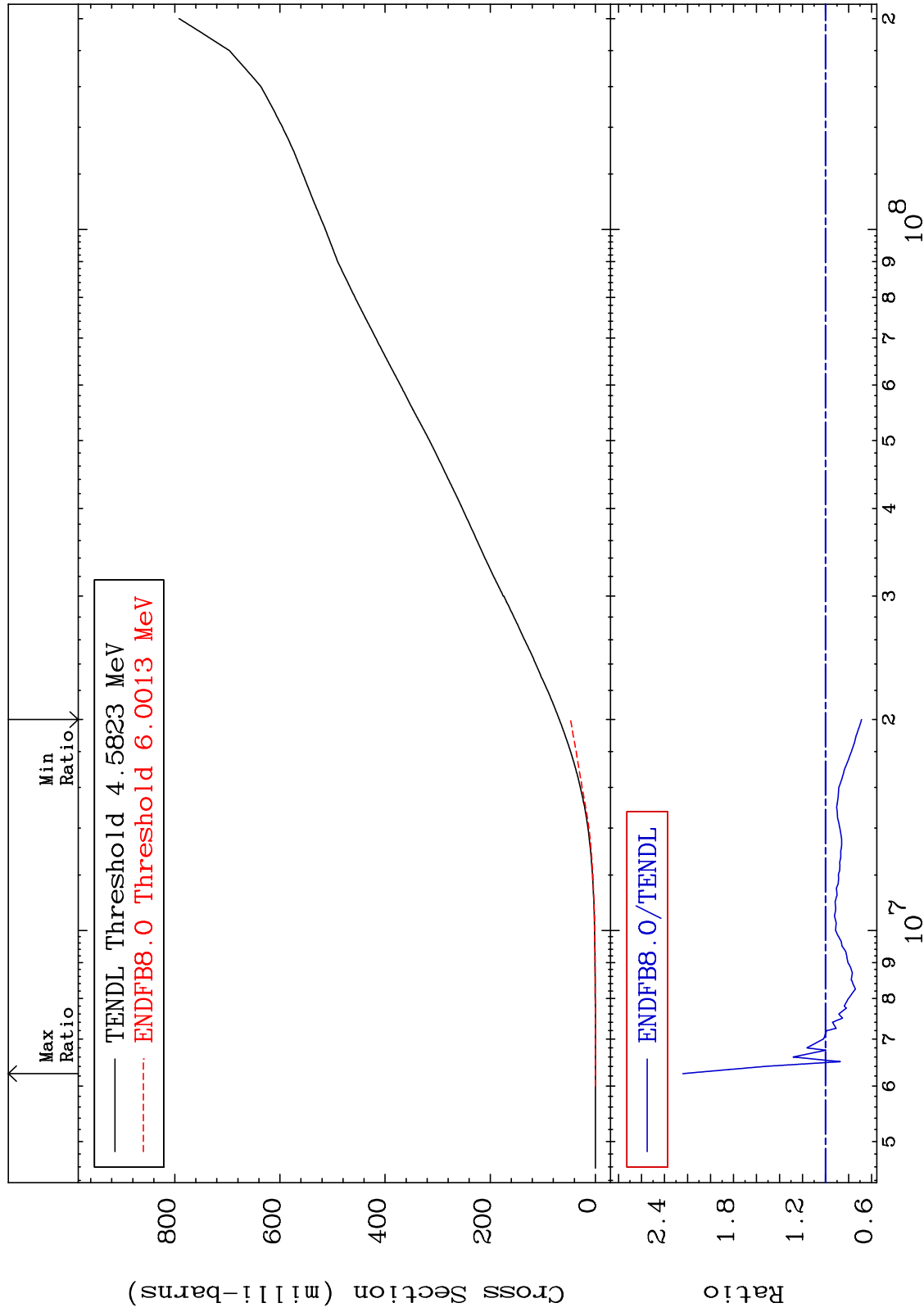
Incident Energy (eV)

38-Sr-88

MAT 3837

Hydrogen Production
Cross Section

38-Sr-88
-31.29 To 124.0 %



36

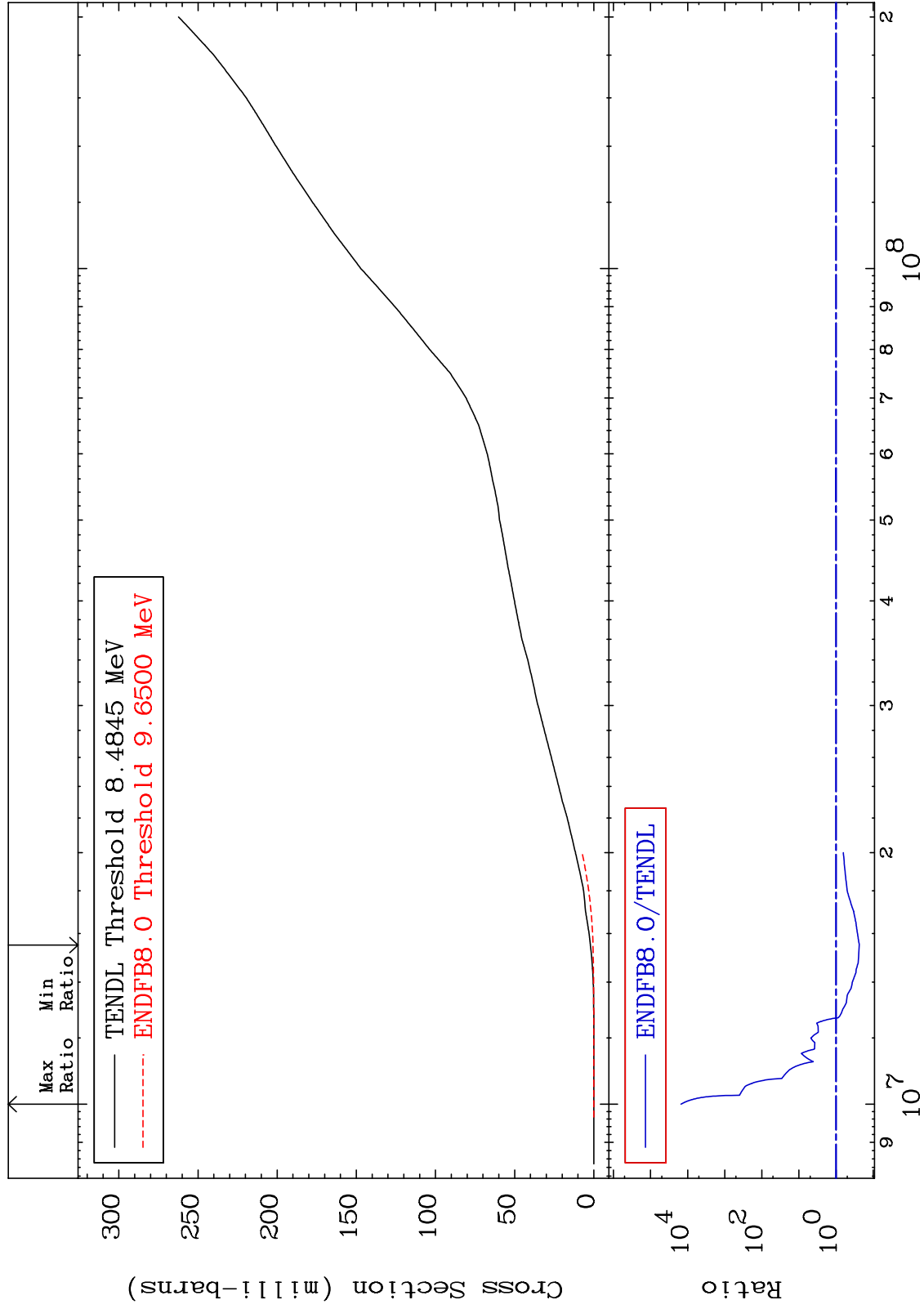
Incident Energy (eV)

38-Sr-88

MAT 3837

Deuterium Production
Cross Section

38-Sr-88
-76.38 To 9999. %



37

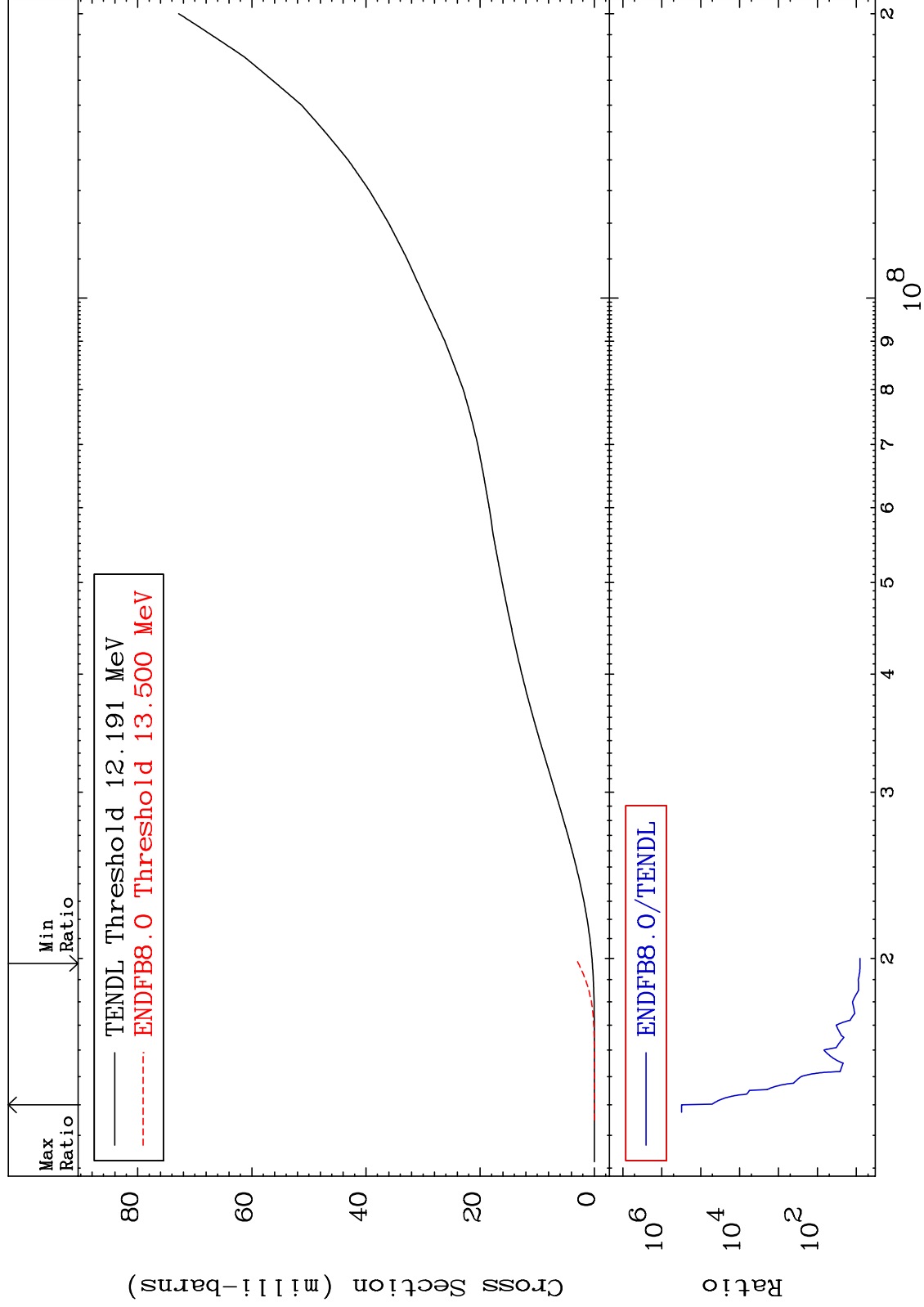
Incident Energy (eV)

38-Sr-88

MAT 3837

Tritium Production
Cross Section

38-Sr-88
704.6 To 9999. %



38

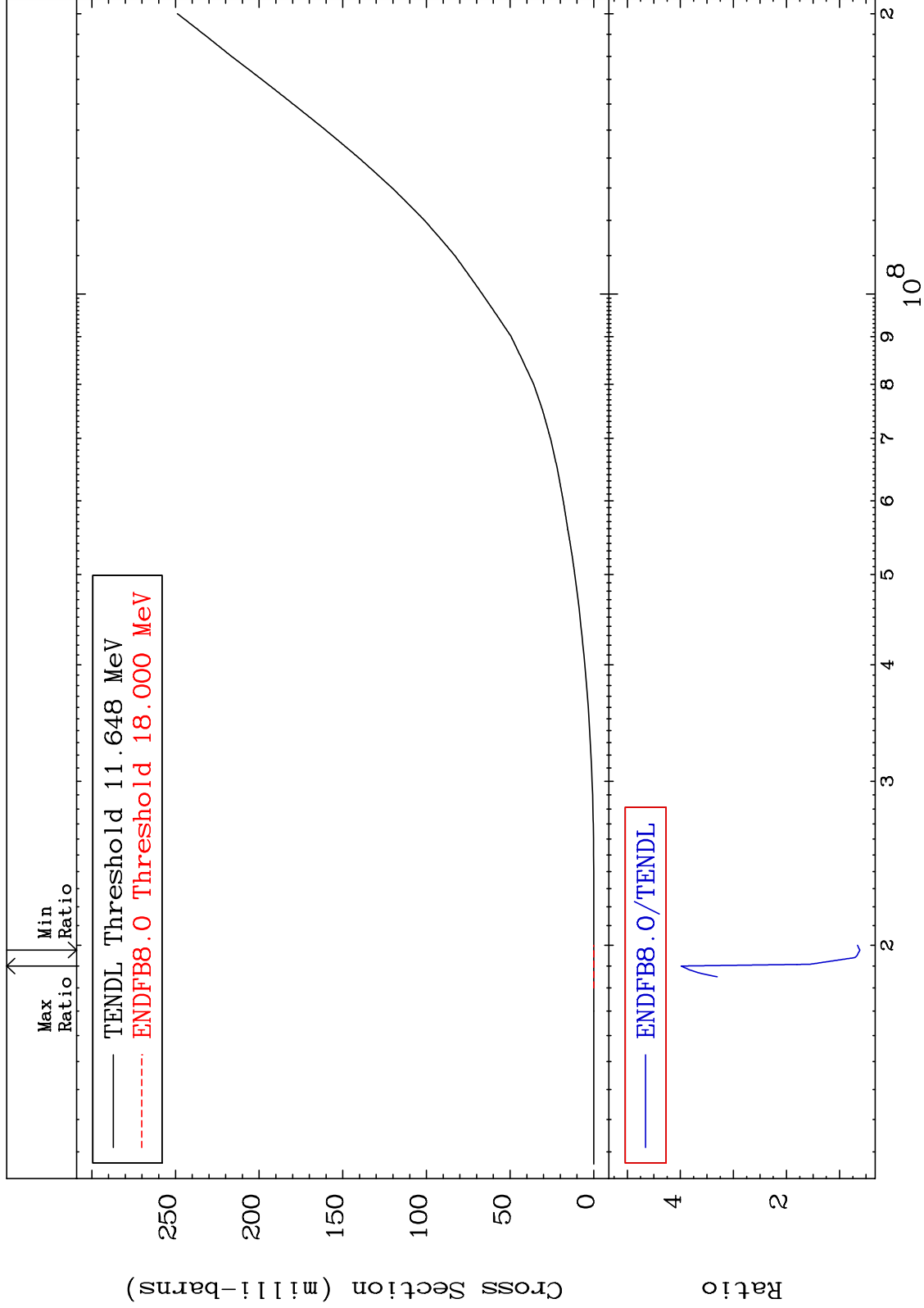
Incident Energy (eV)

38-Sr-88

MAT 3837

He-3 Production
Cross Section

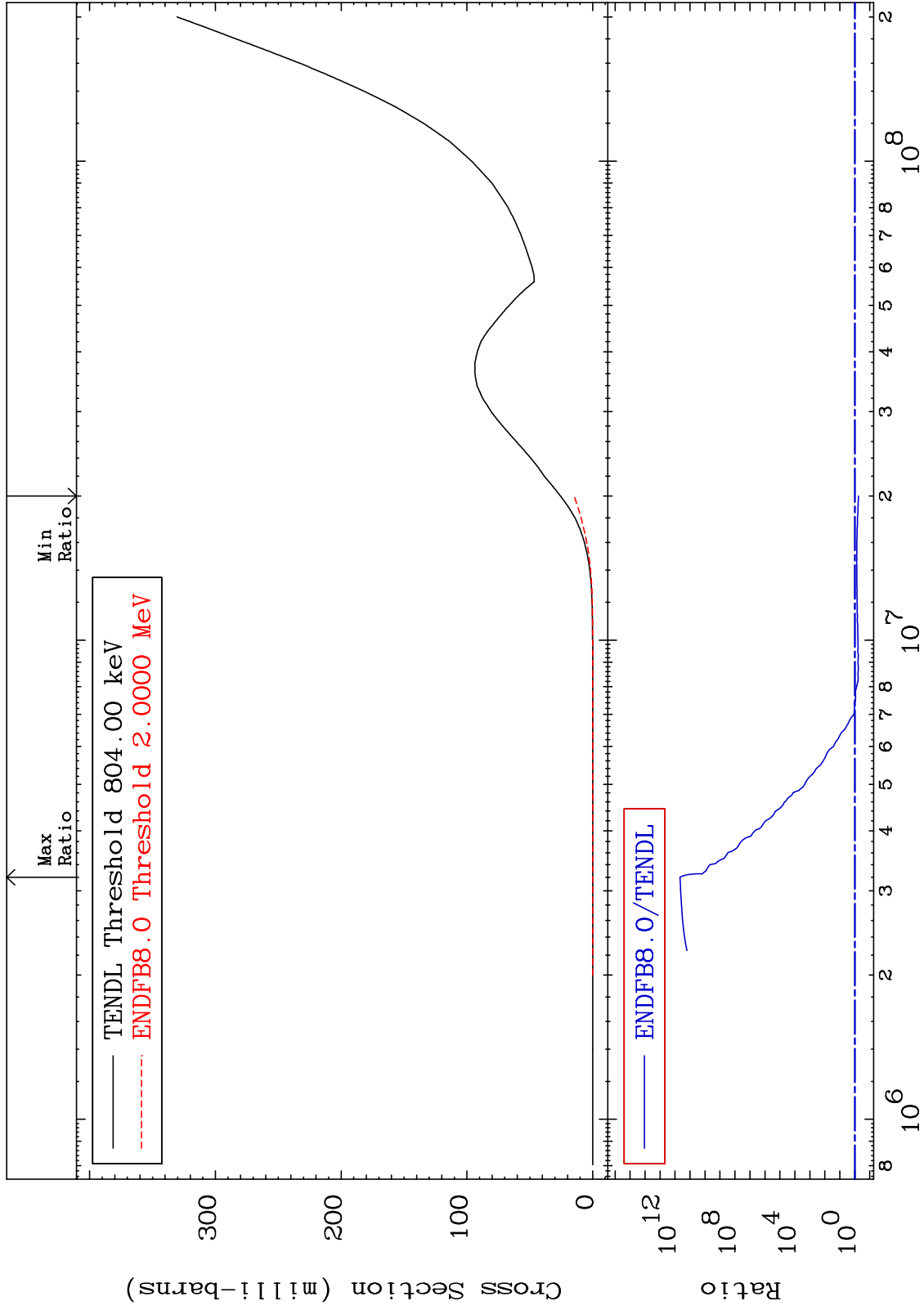
38-Sr-88
9999. To 9999. %



MAT 3837

He-4 Production
Cross Section

38-Sr-88
-42.47 To 9999. %



Incident Energy (eV)

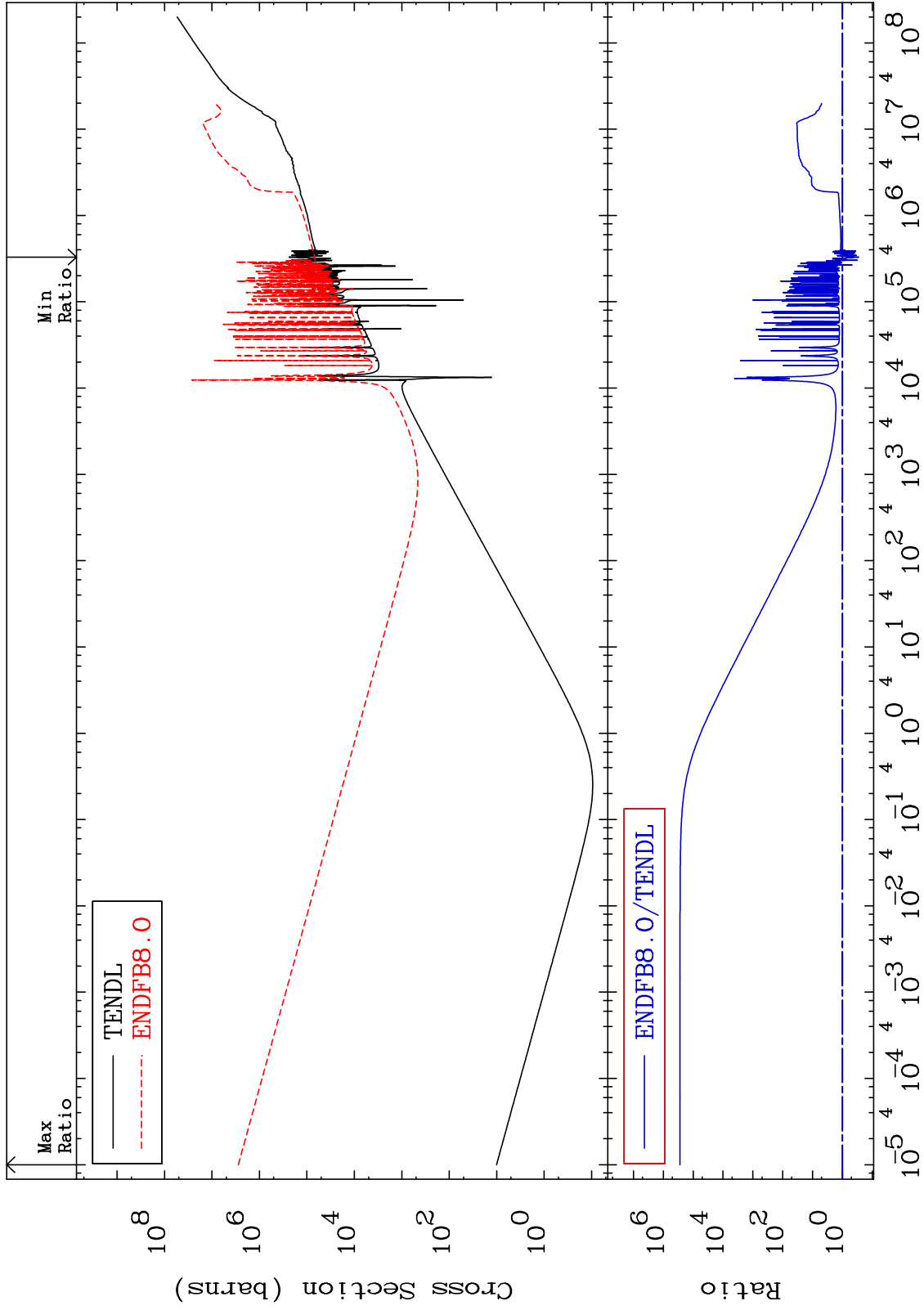
38-Sr-88

40

MAT 3837

Kerma total (eV-barns)
Cross Section

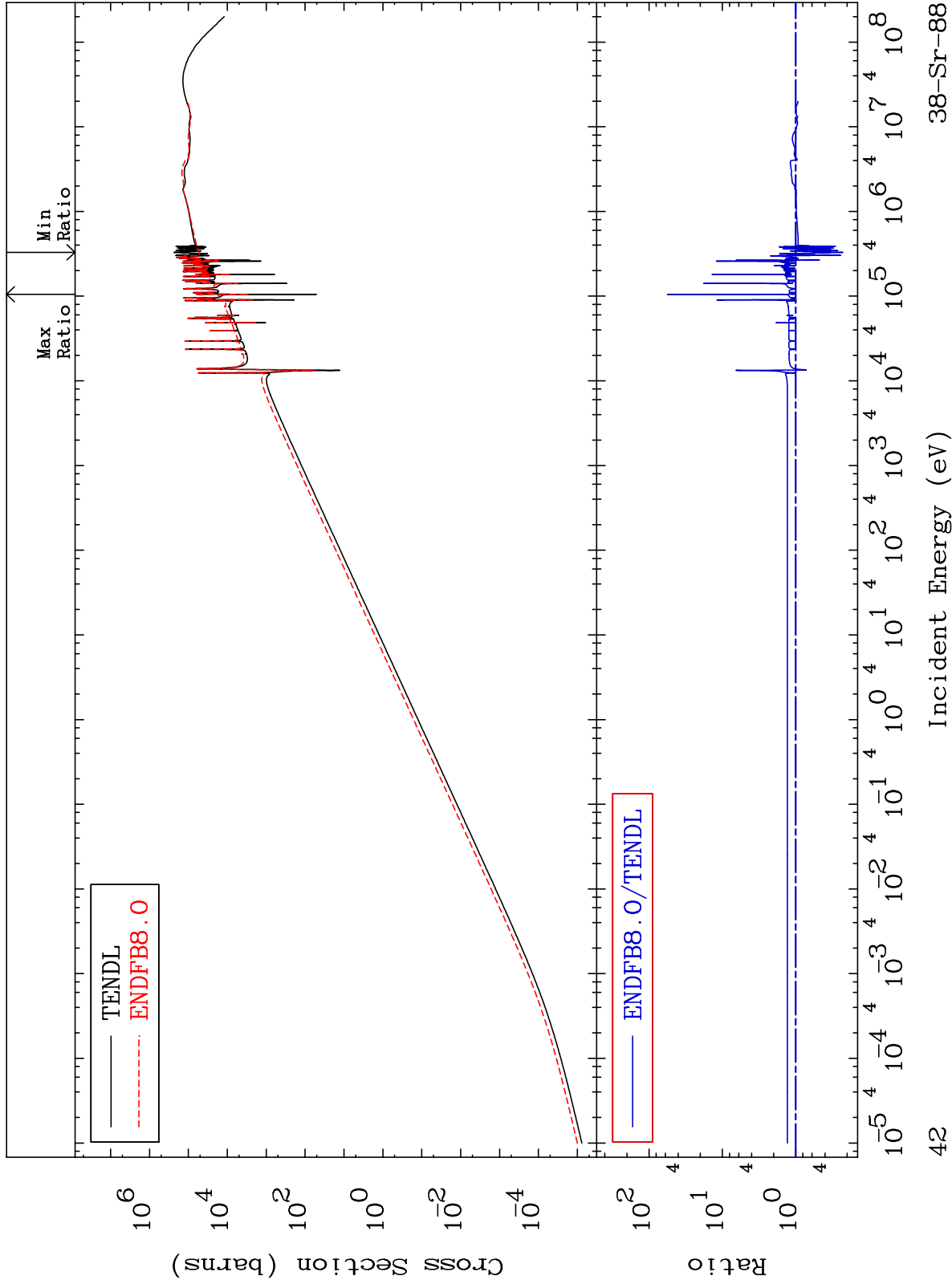
38-Sr-88
-70.95 To 9999. %



MAT 3837

Kerma elastic
Cross Section

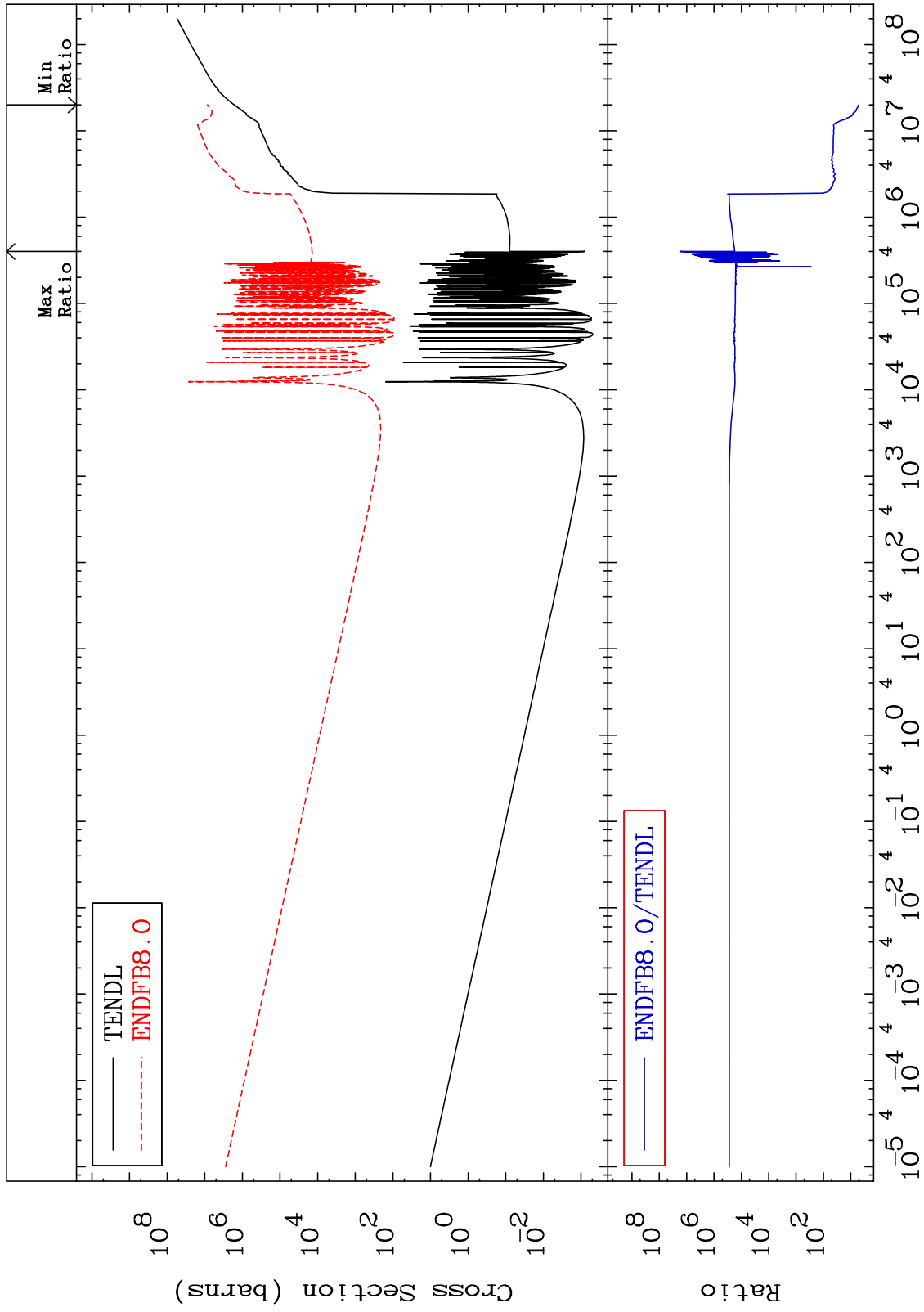
38-Sr-88
-77.05 To 5491. %



MAT 3837

Kerma non-elastic (all but mt2)
Cross Section

38-Sr-88
426.6 To 9999. %



43

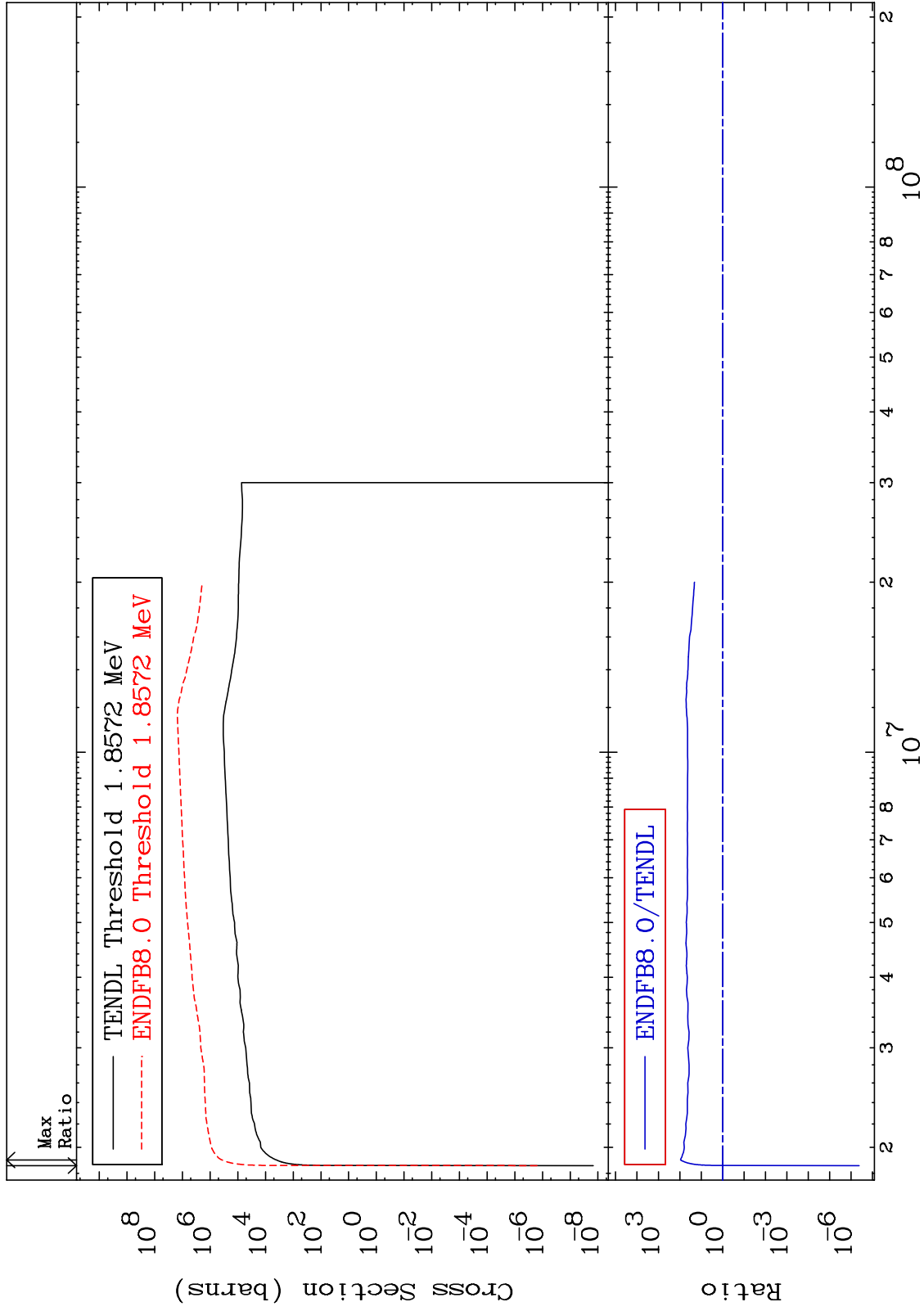
Incident Energy (eV)

38-Sr-88

MAT 3837

Kerma inelastic (mt51-91)
Cross Section

38-Sr-88
-100.0 To 9049. %

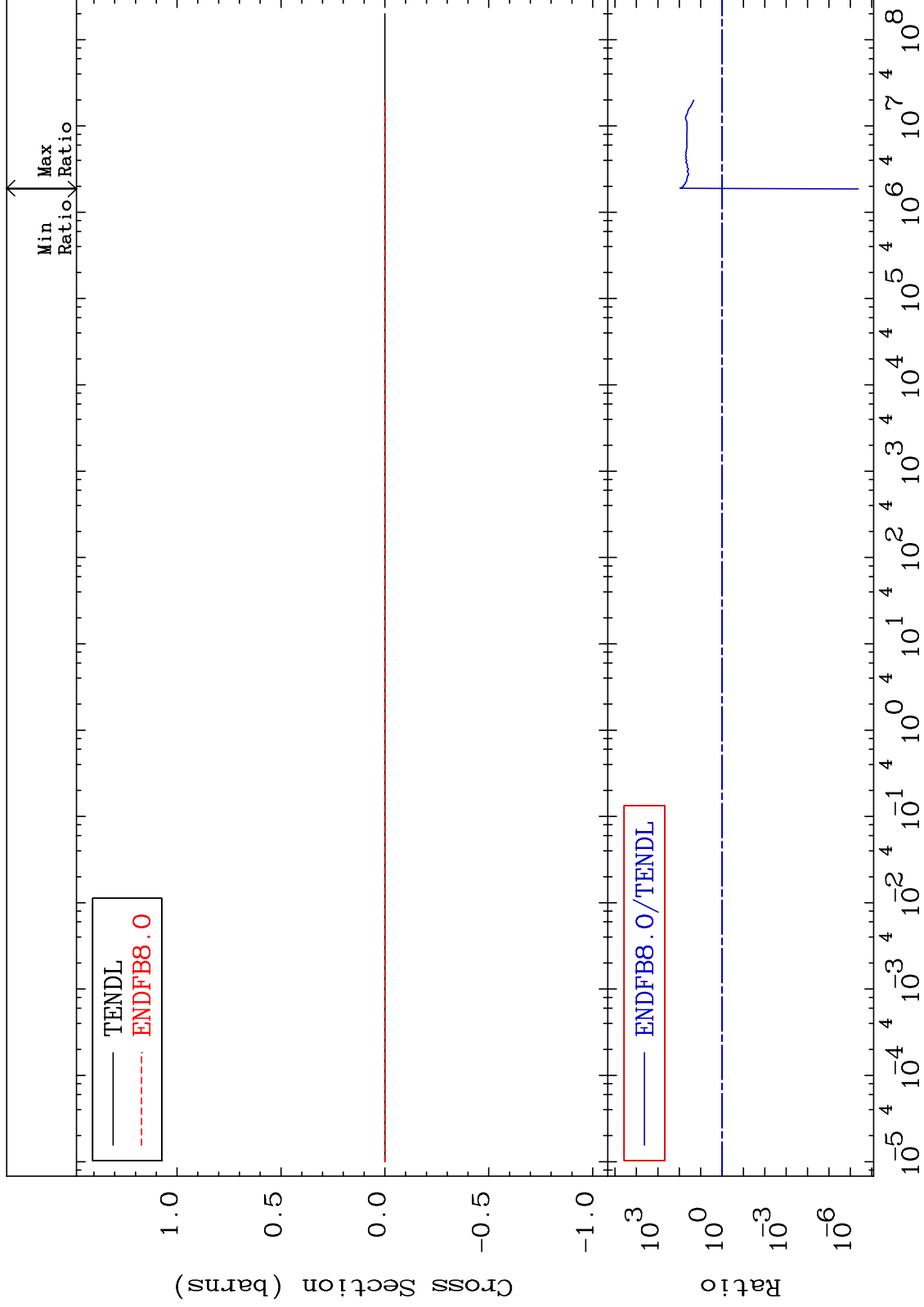


MAT 3837

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

38-Sr-88

-100.0 To 9049. %



45

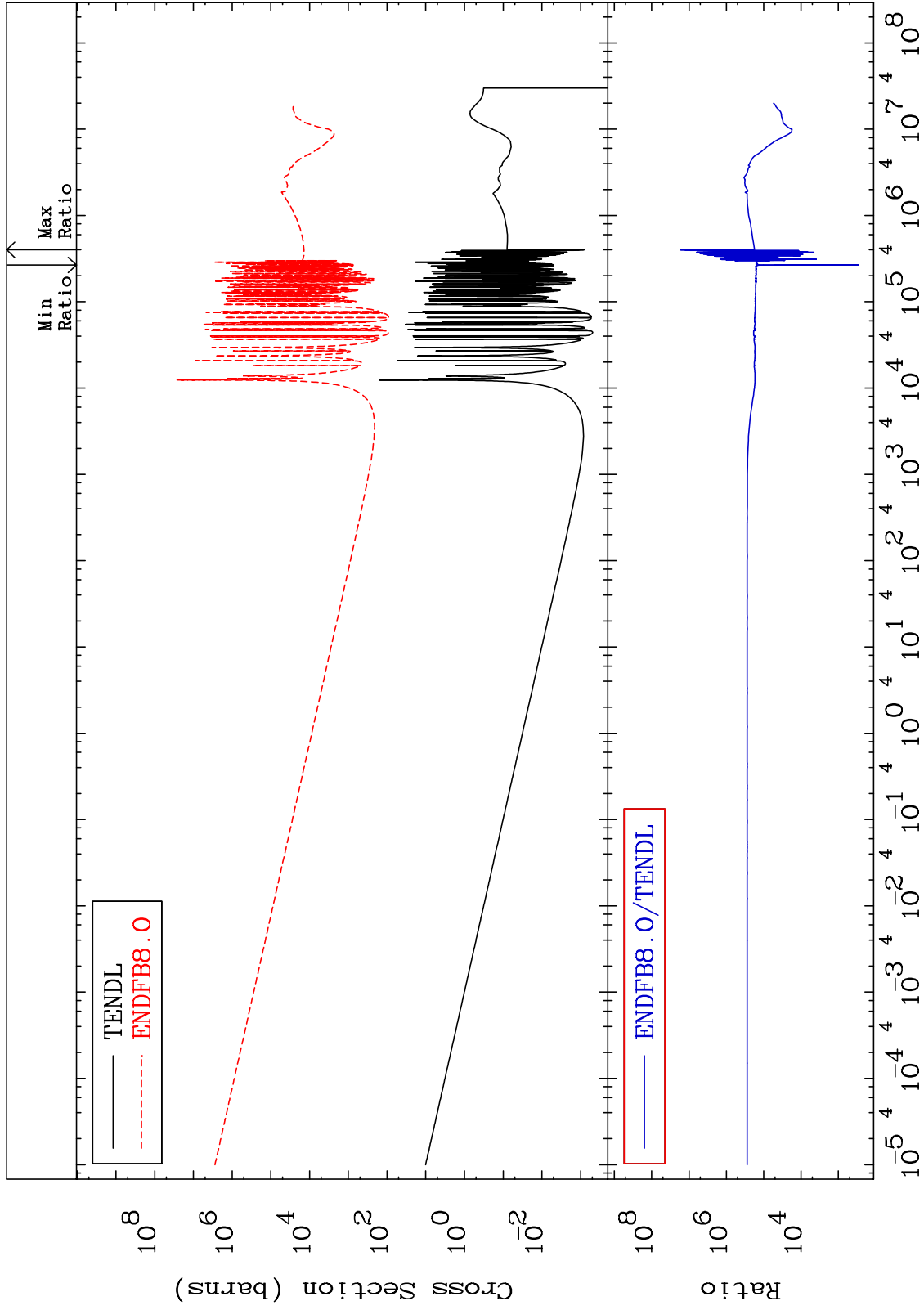
Incident Energy (eV)

38-Sr-88

MAT 3837

Kerma capture (mt102)
Cross Section

38-Sr-88
9999. To 9999. %



46

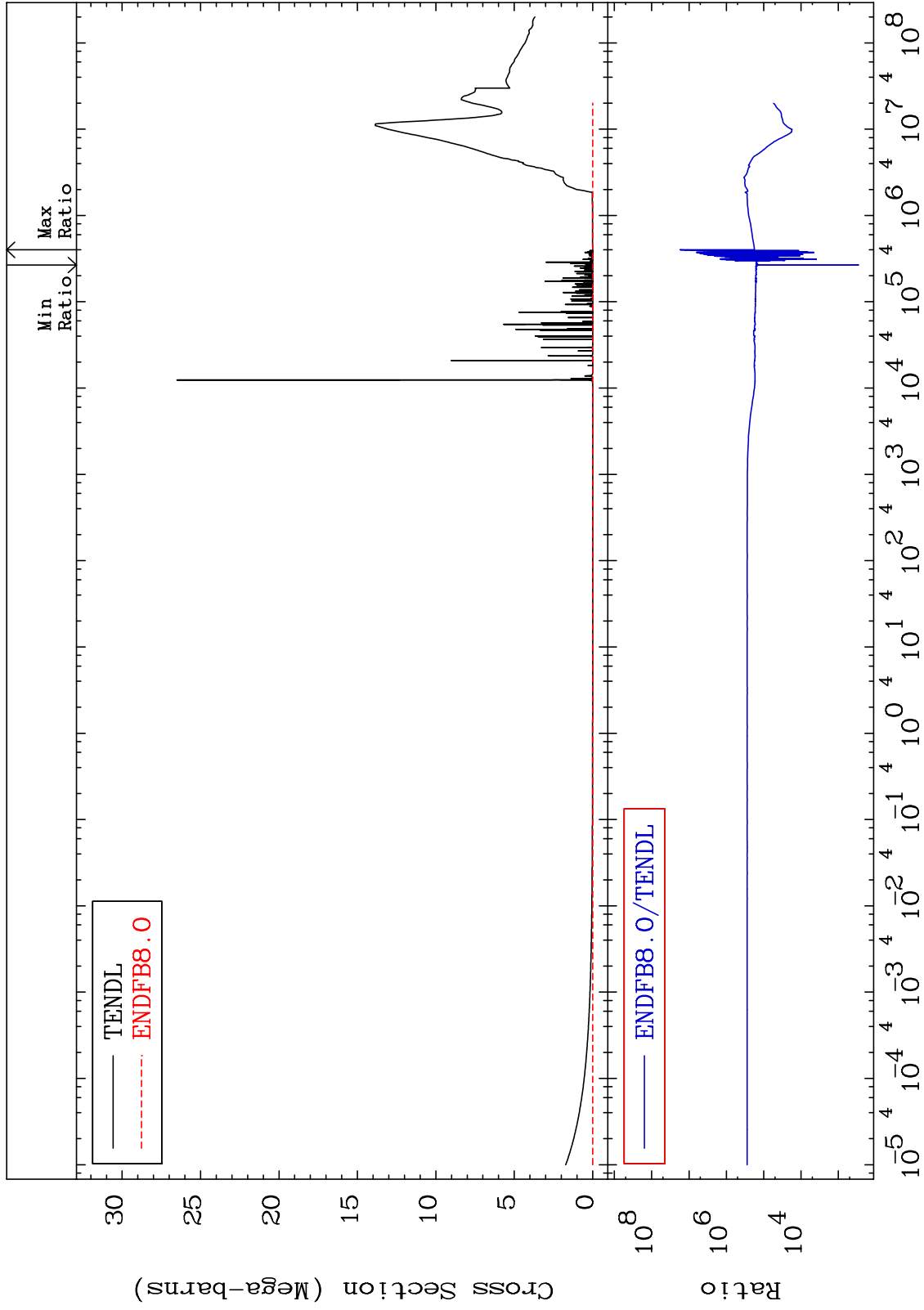
Incident Energy (eV)

38-Sr-88

MAT 3837

Total photon (eV-barns)
Cross Section

38-Sr-88
9999. To 9999. %



47

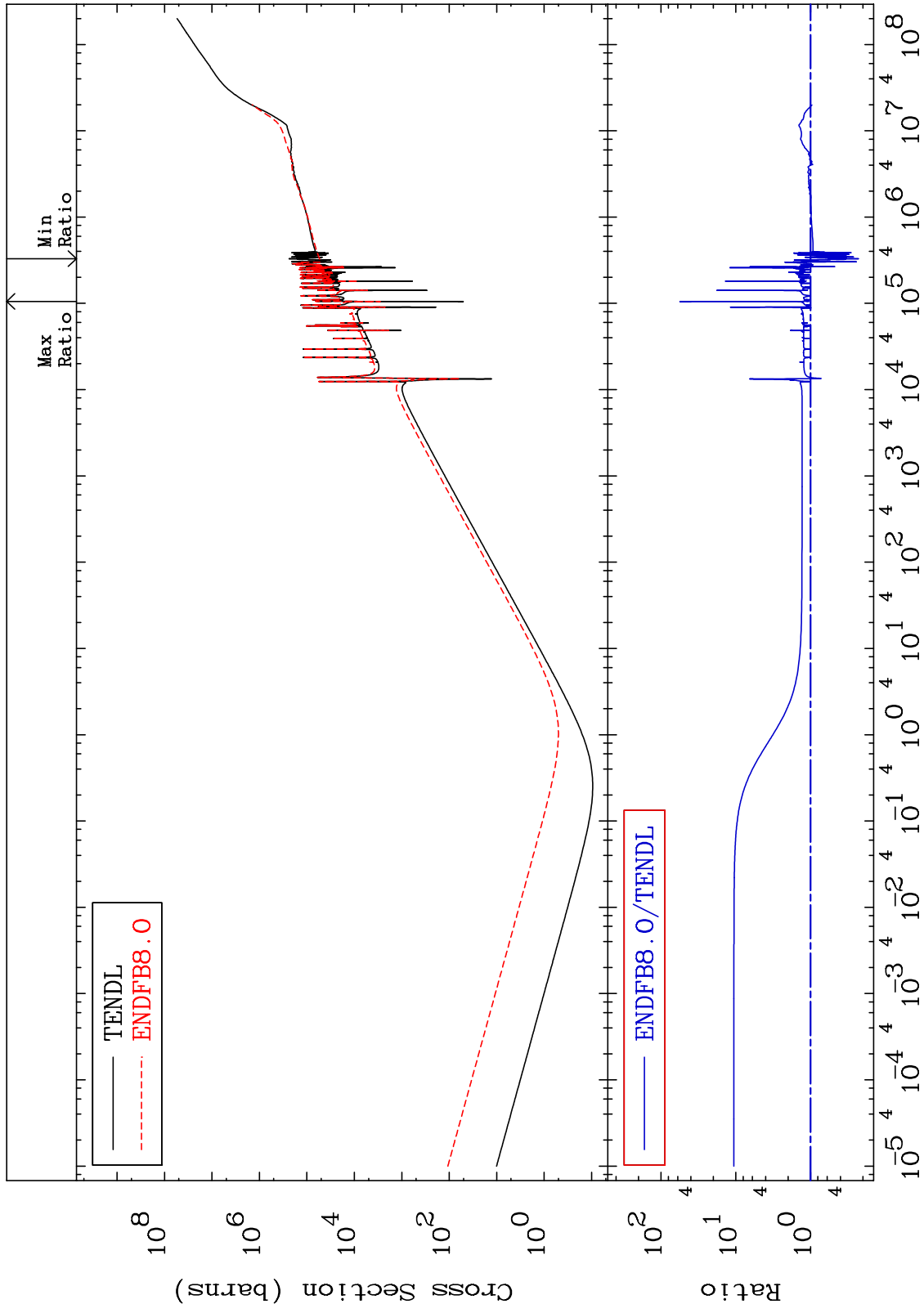
Incident Energy (eV)

38-Sr-88

MAT 3837

Total kinematic kerma (high limit)
Cross Section

38-Sr-88
-77.04 To 5481. %



48

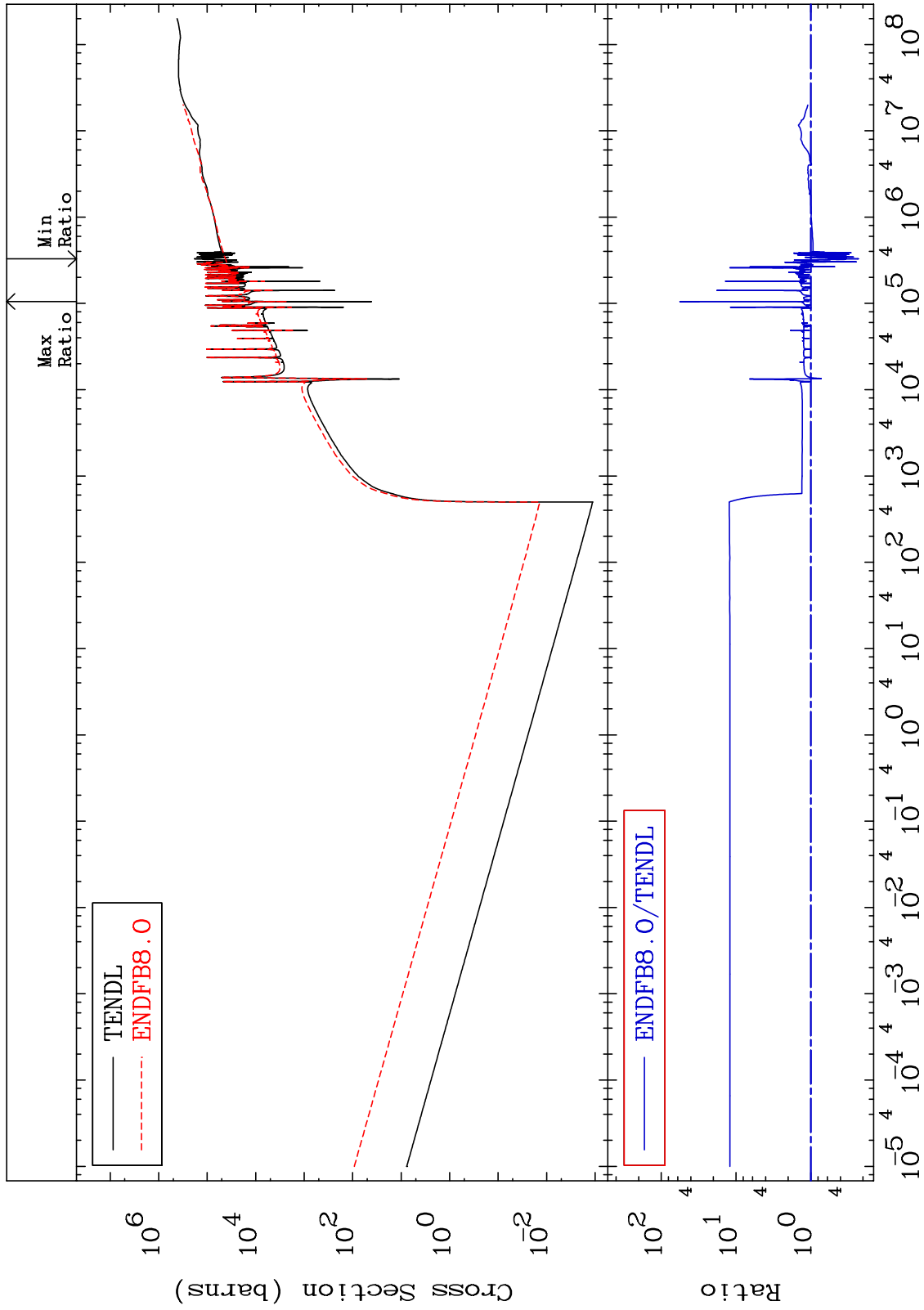
Incident Energy (eV)

38-Sr-88

MAT 3837

Dpa total (eV-barns)
Cross Section

38-Sr-88
-76.97 To 5492. %



49

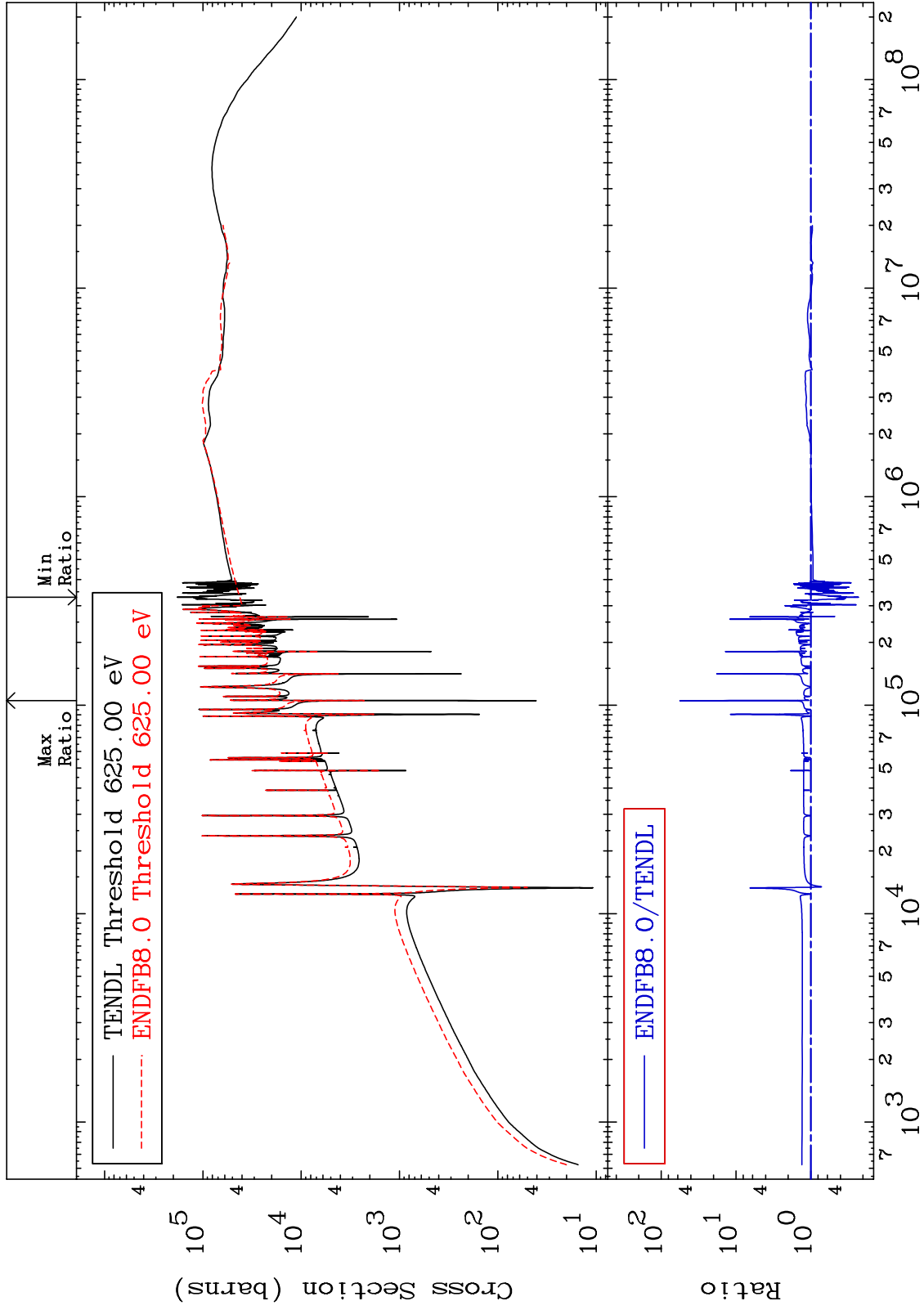
Incident Energy (eV)

38-Sr-88

MAT 3837

Dpa elastic (mt2)
Cross Section

38-Sr-88
-76.97 To 5501. %



50

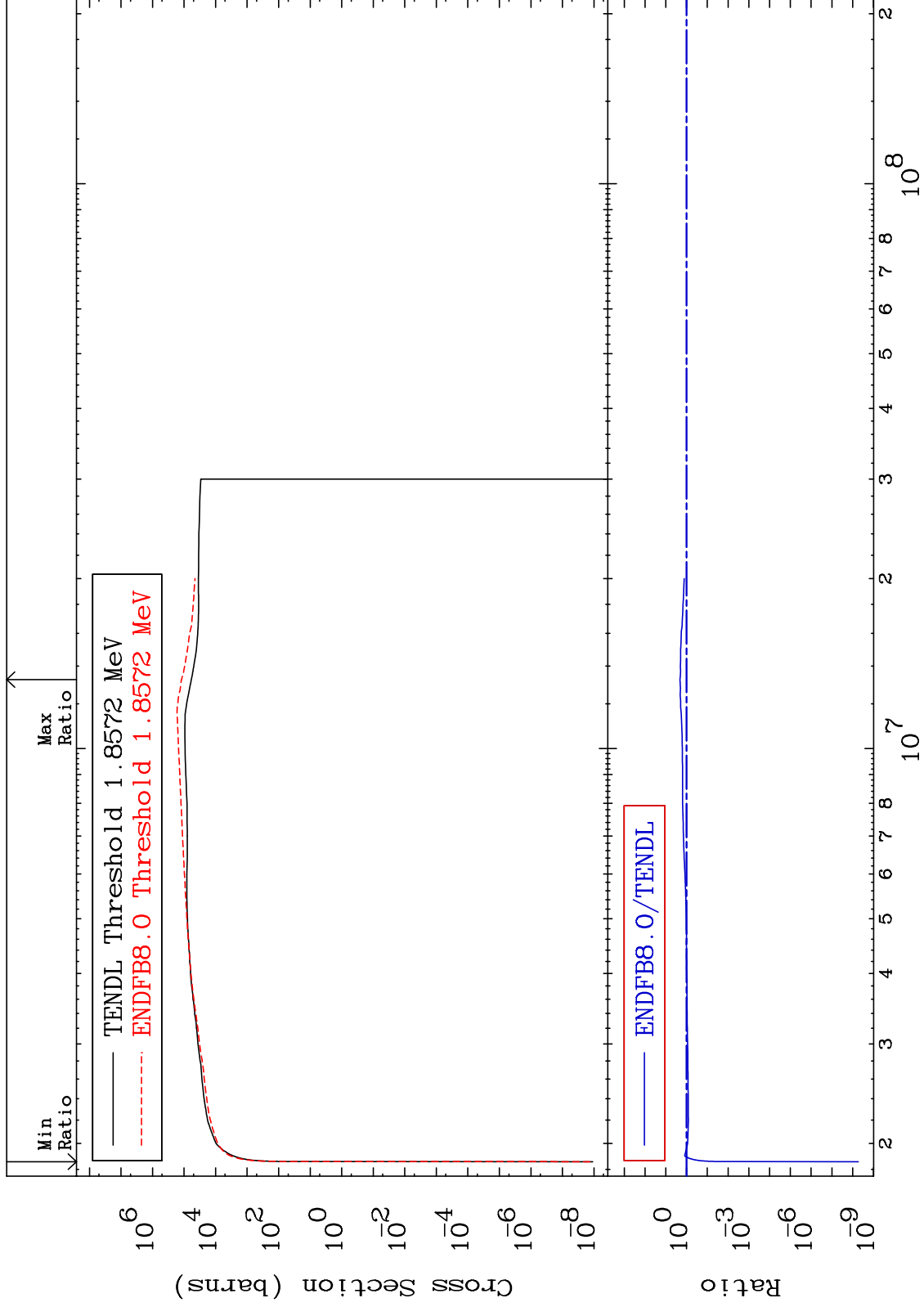
Incident Energy (eV)

38-Sr-88

MAT 3837

Dpa inelastic (mt51-91)
Cross Section

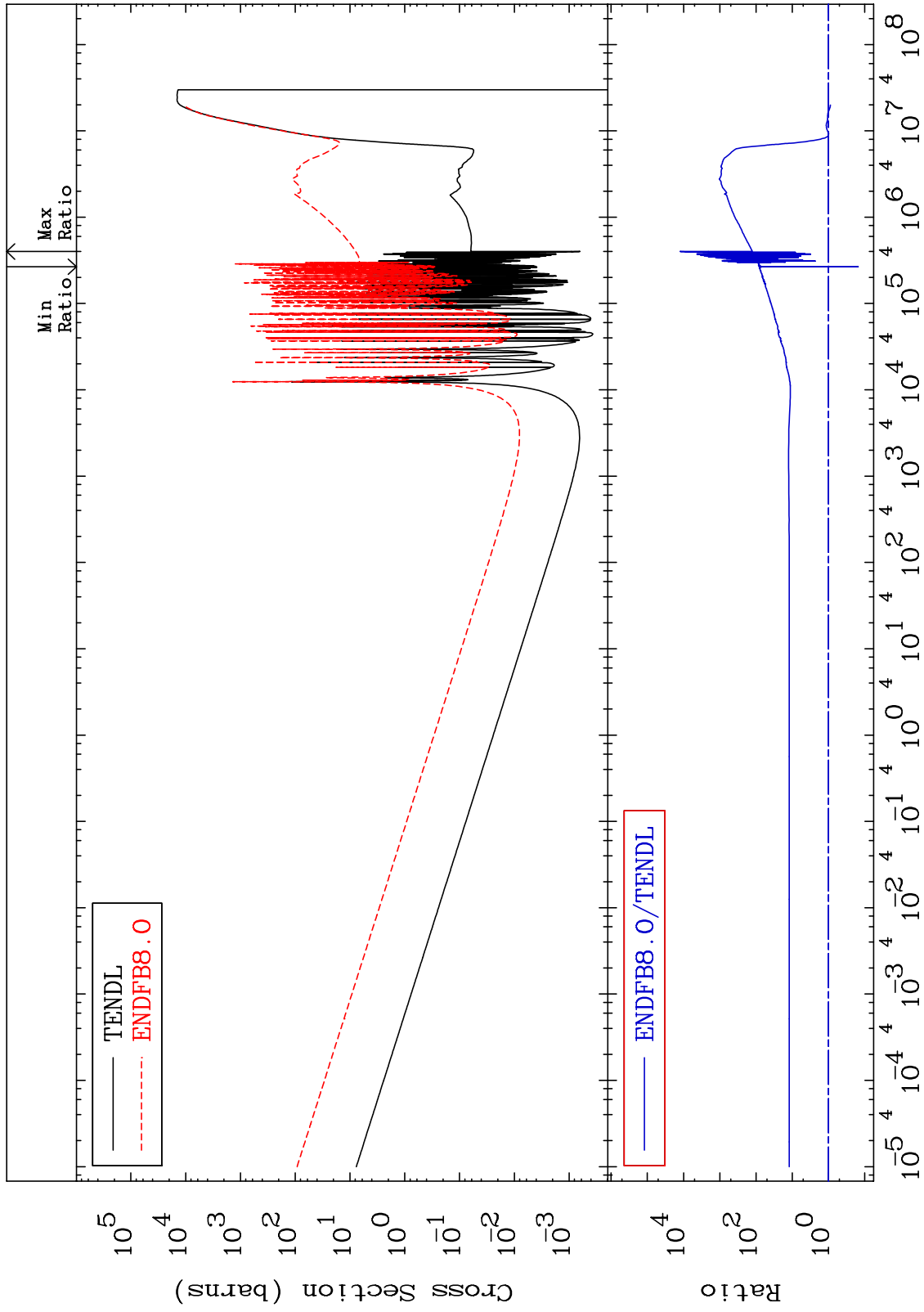
38-Sr-88
-100.0 To 105.9 %



MAT 3837

Dpa disappearance (mt102 -120)
Cross Section

38-Sr-88
-85.11 To 9999. %



52

Incident Energy (eV)

38-Sr-88