

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

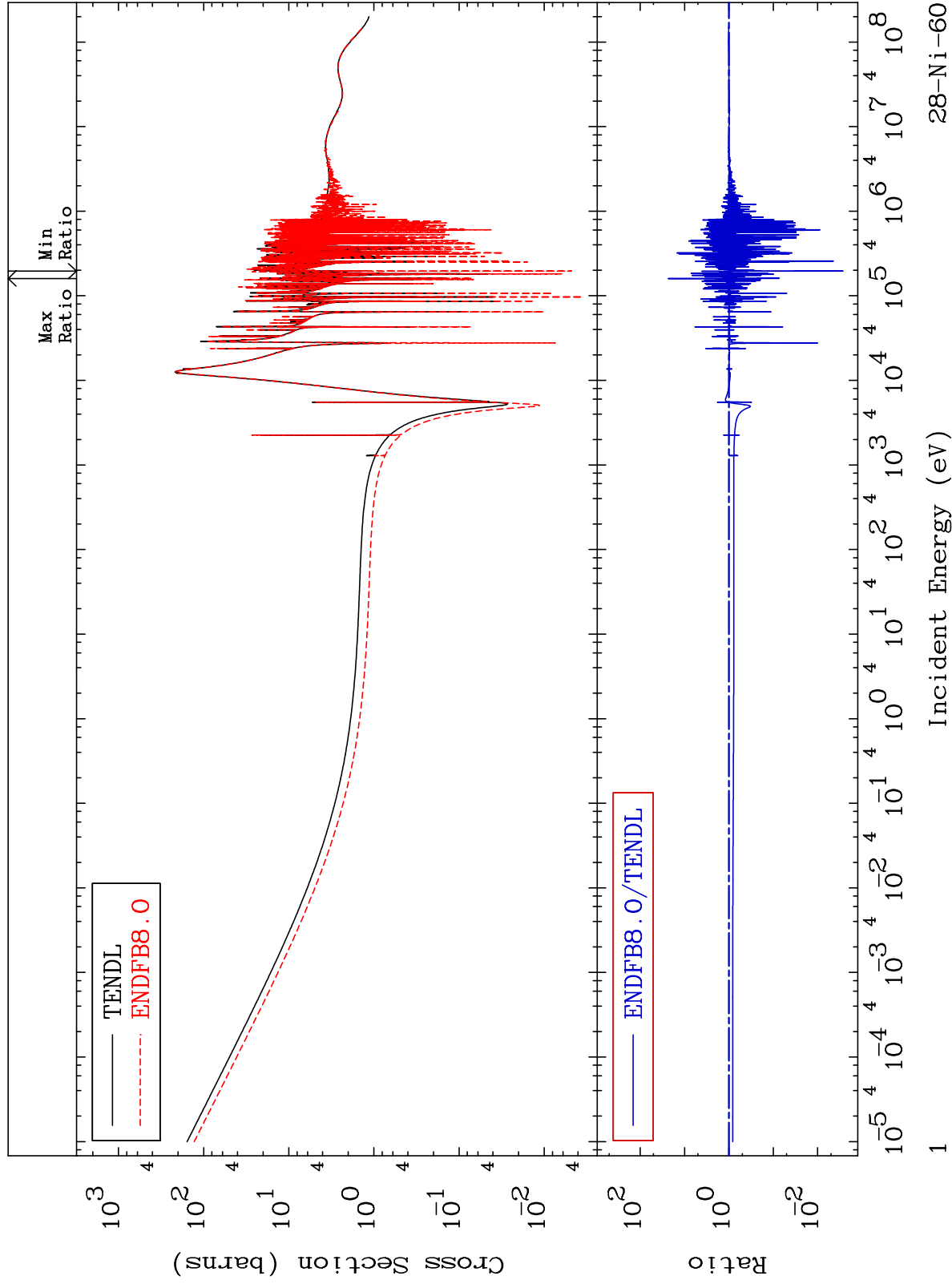
MAT 2831

Total

28-Ni-60

Cross Section

-99.73 To 2254. %

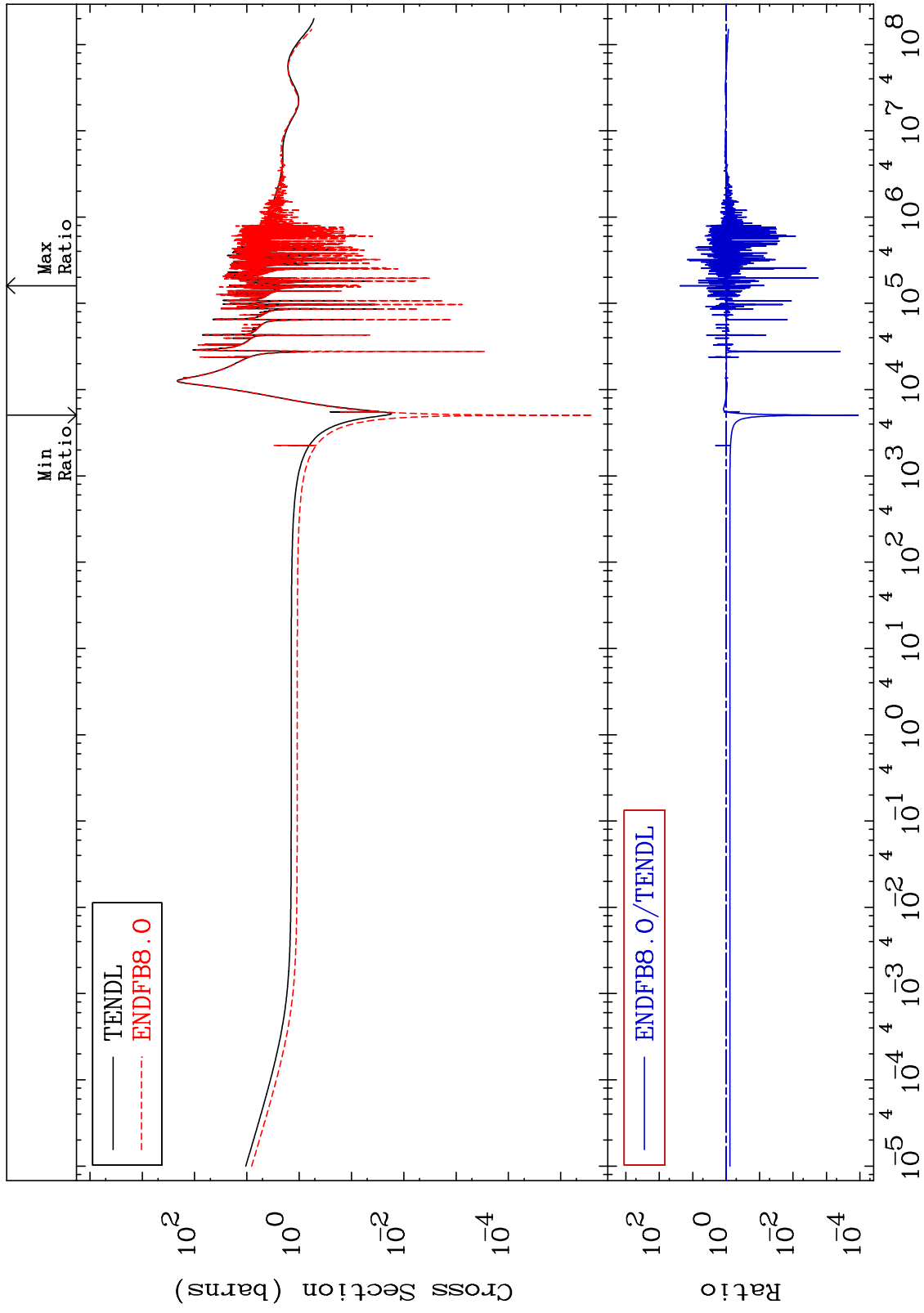


28-Ni-60

MAT 2831

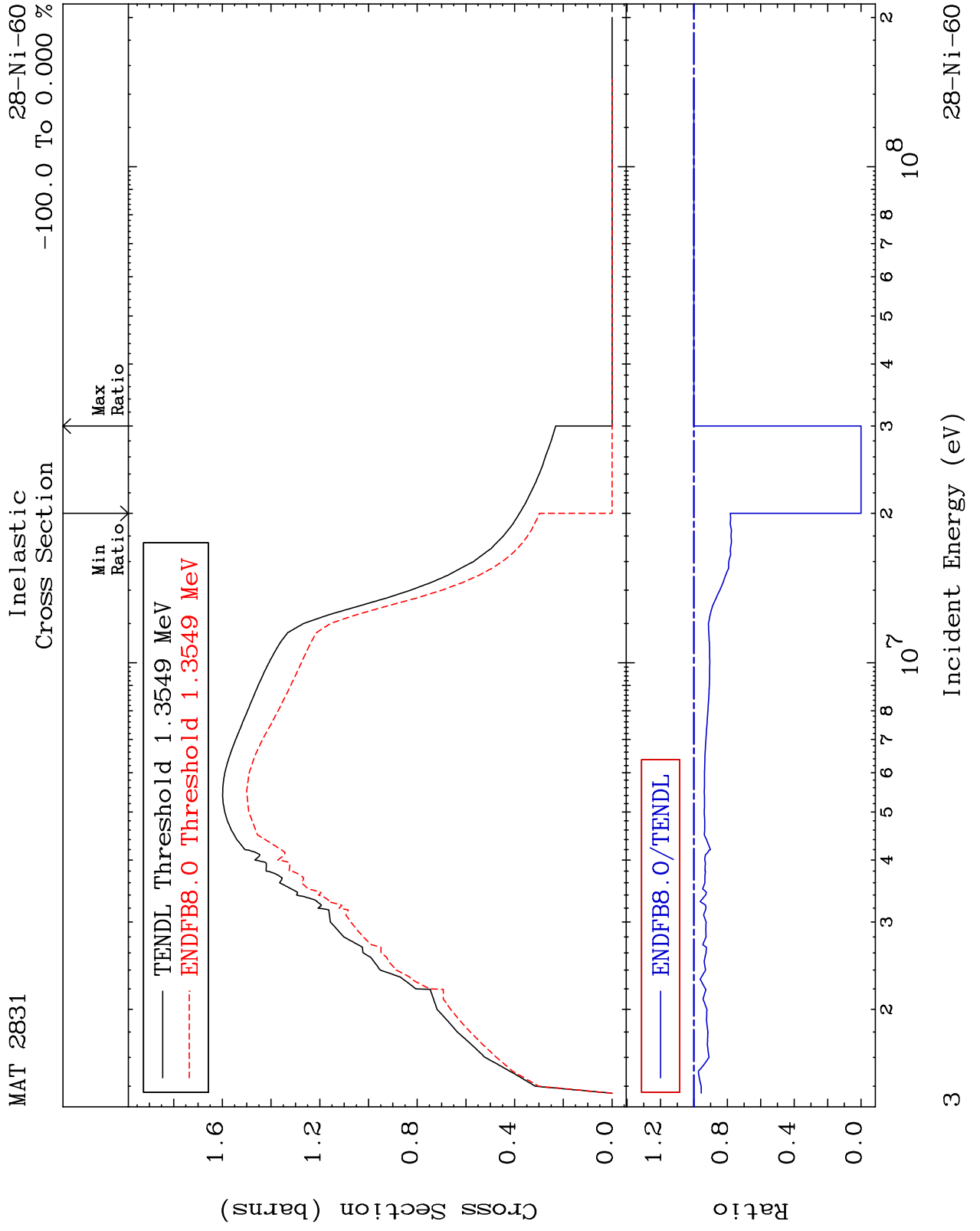
Elastic
Cross Section

28-Ni-60
-99.99 To 2301. %



28-Ni-60

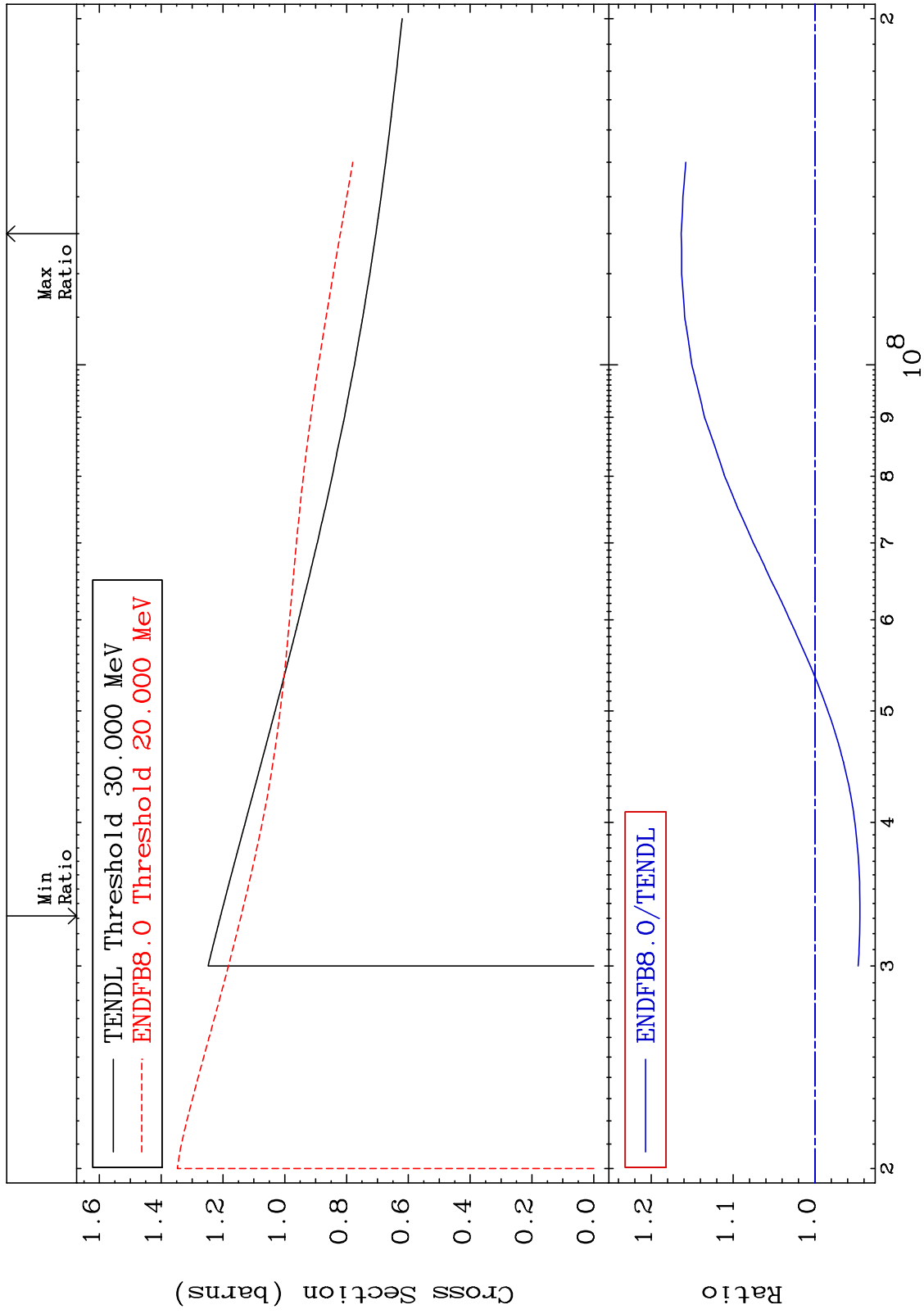
Incident Energy (eV)



MAT 2831

(n, remainder)
Cross Section

28-Ni-60
-5.499 To 16.34 %

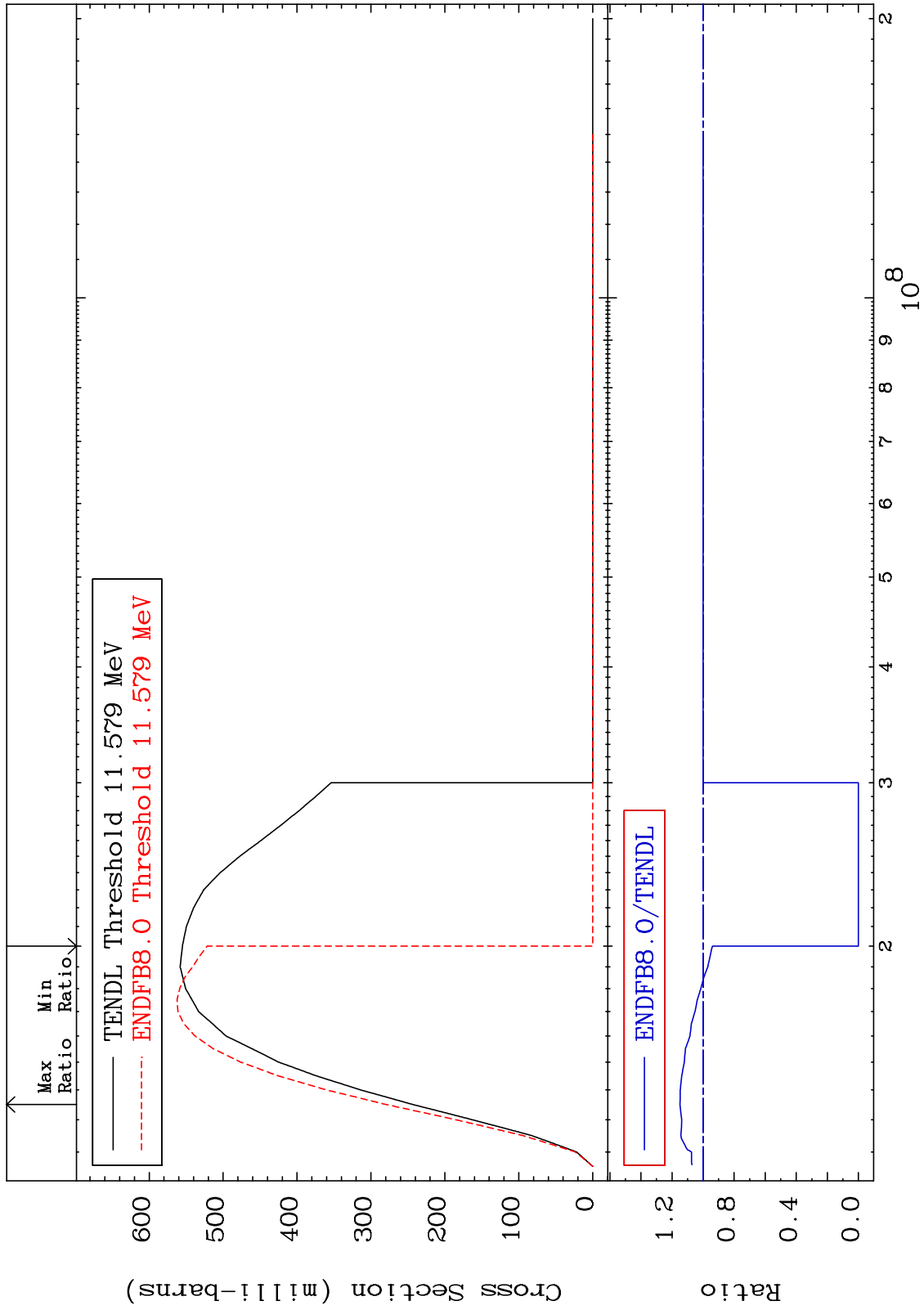


4

Incident Energy (eV)

28-Ni-60

MAT 2831 28-Ni-60
-100.0 To 14.84 %
 (n,2n)
 Cross Section



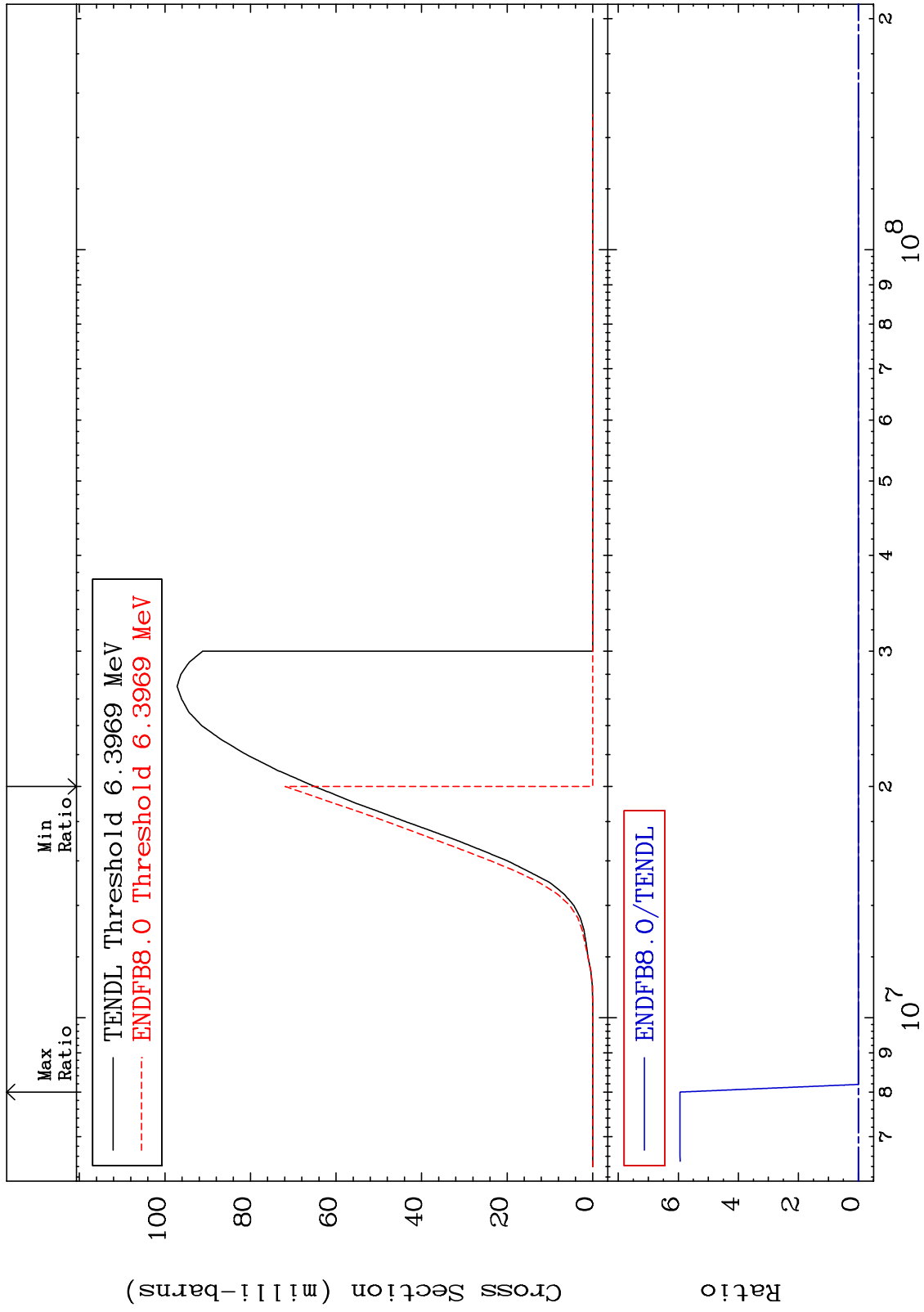
MAT 2831

(n,n') α

28-Ni-60

Cross Section

-100.0 To 9999. %



6

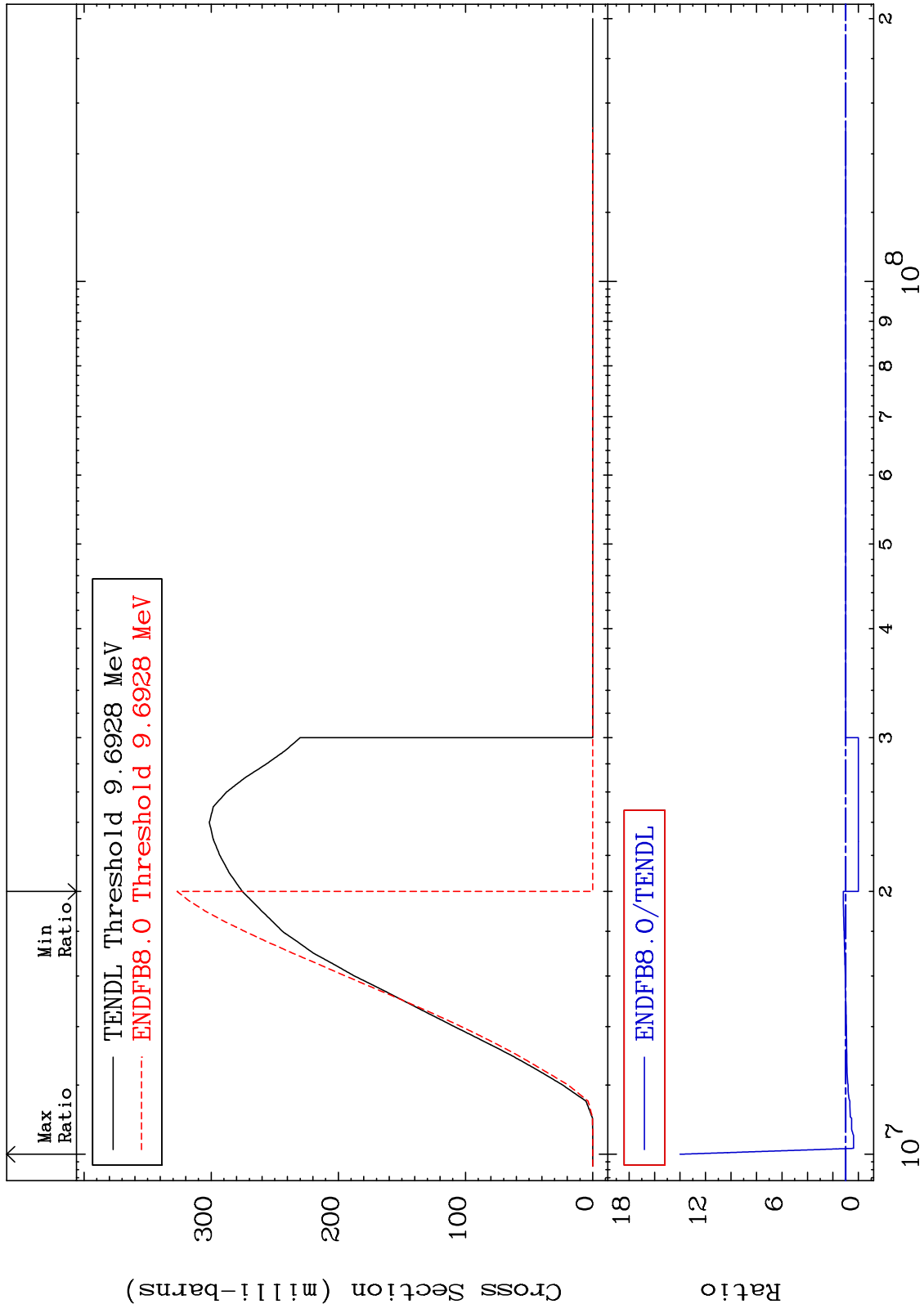
Incident Energy (eV)

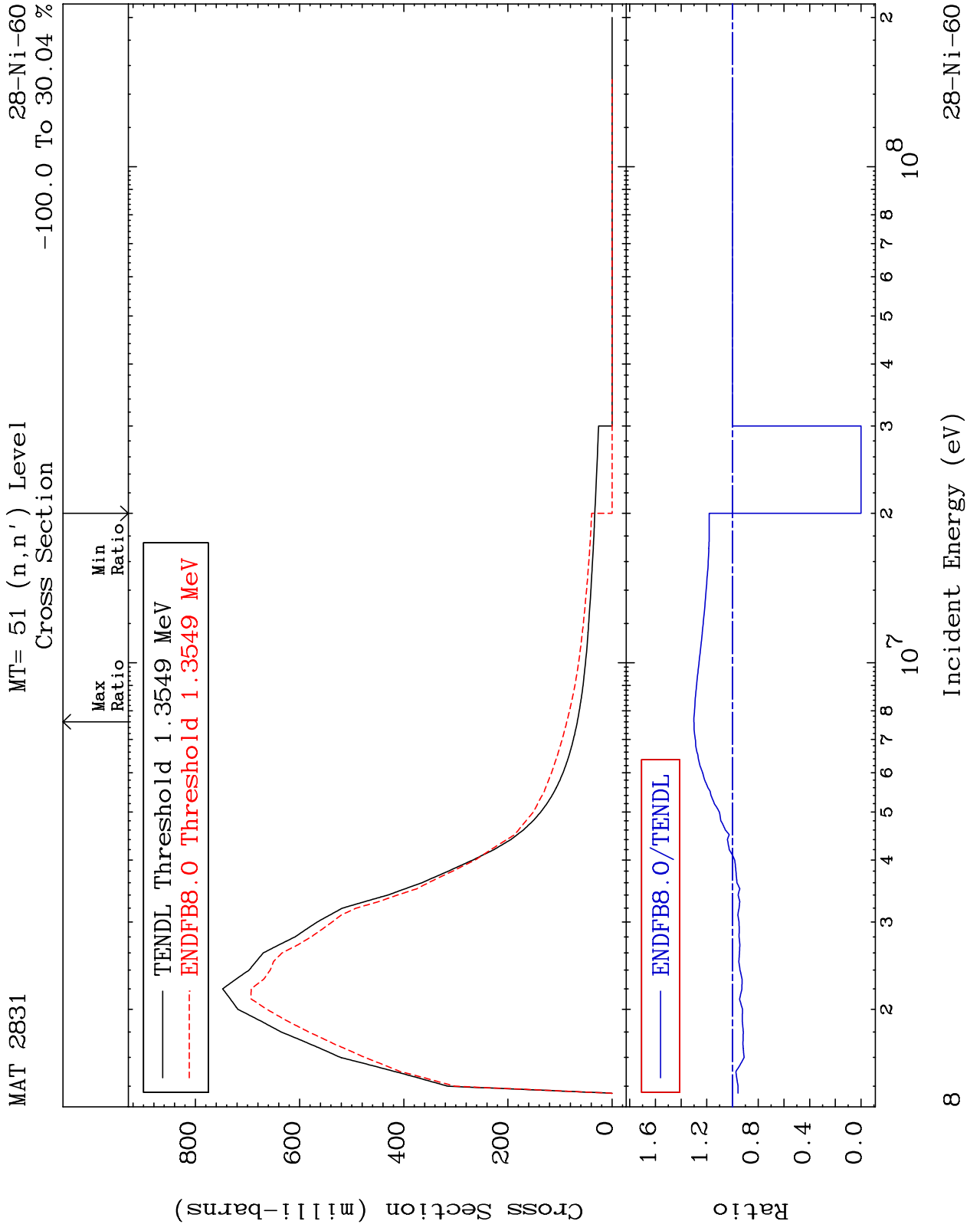
28-Ni-60

MAT 2831

(n,n') p
Cross Section

28-Ni-60
-100.0 To 1300. %

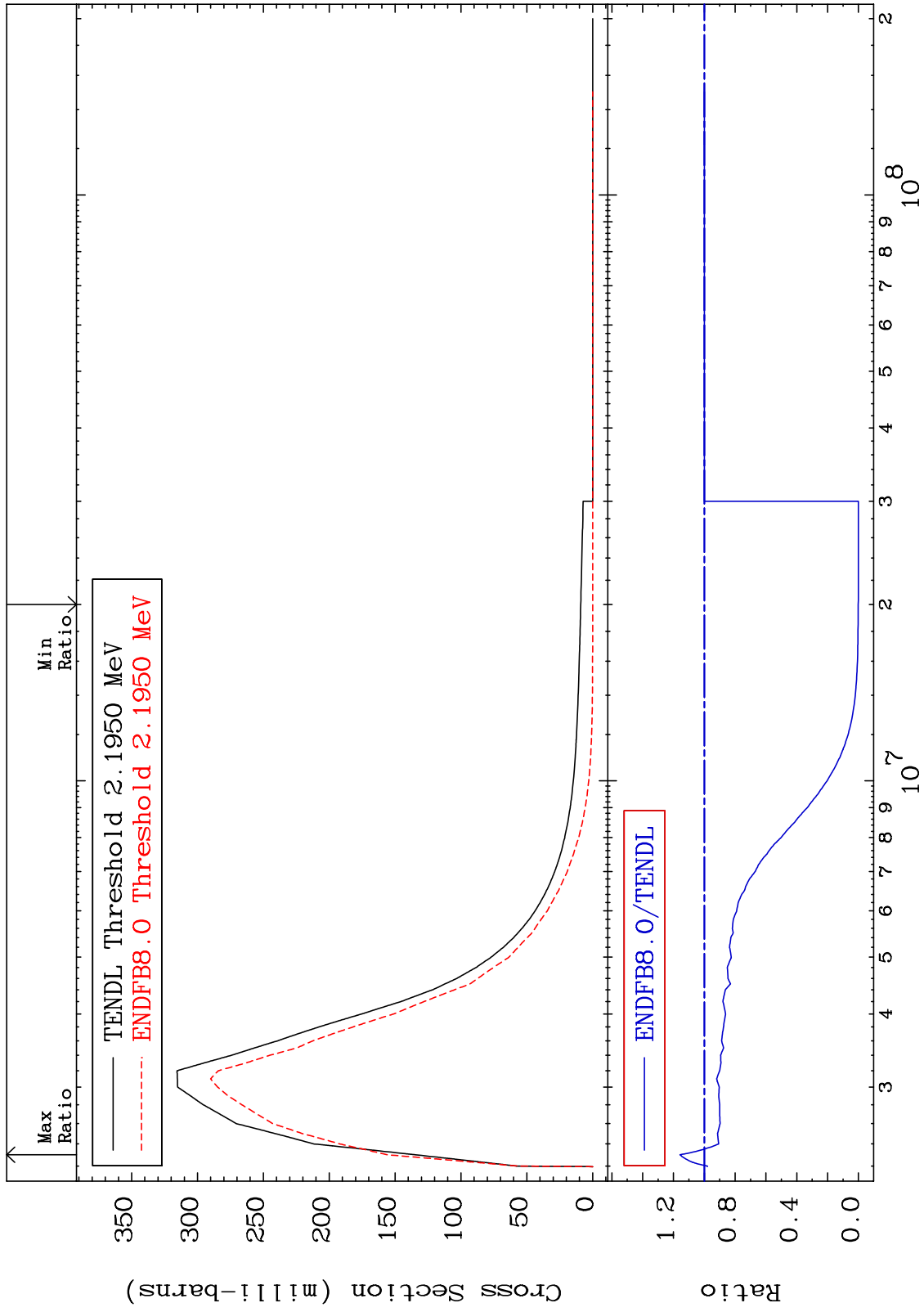




MAT 2831

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

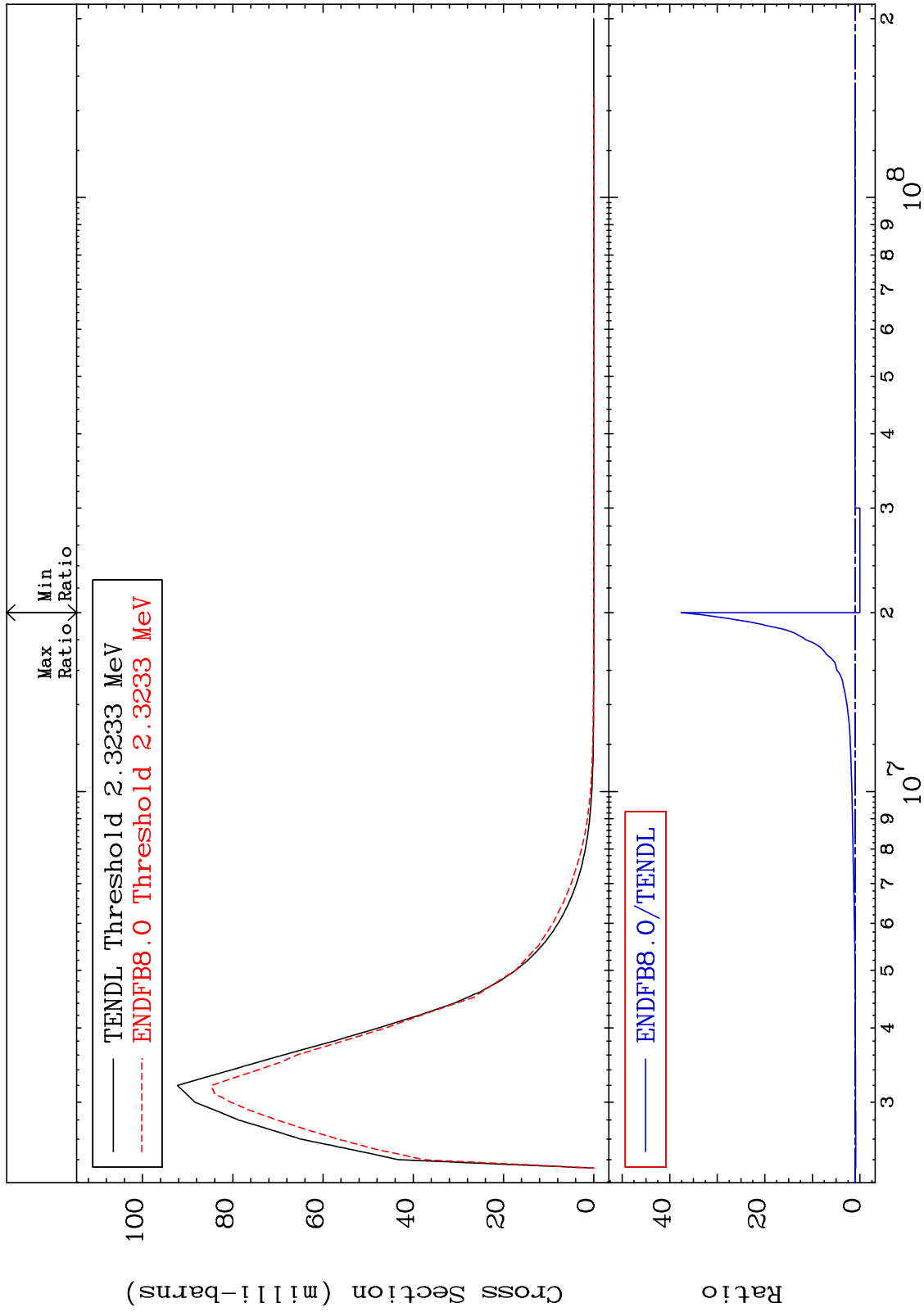
28-Ni-60
-100.0 To 15.75 %



MAT 2831

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

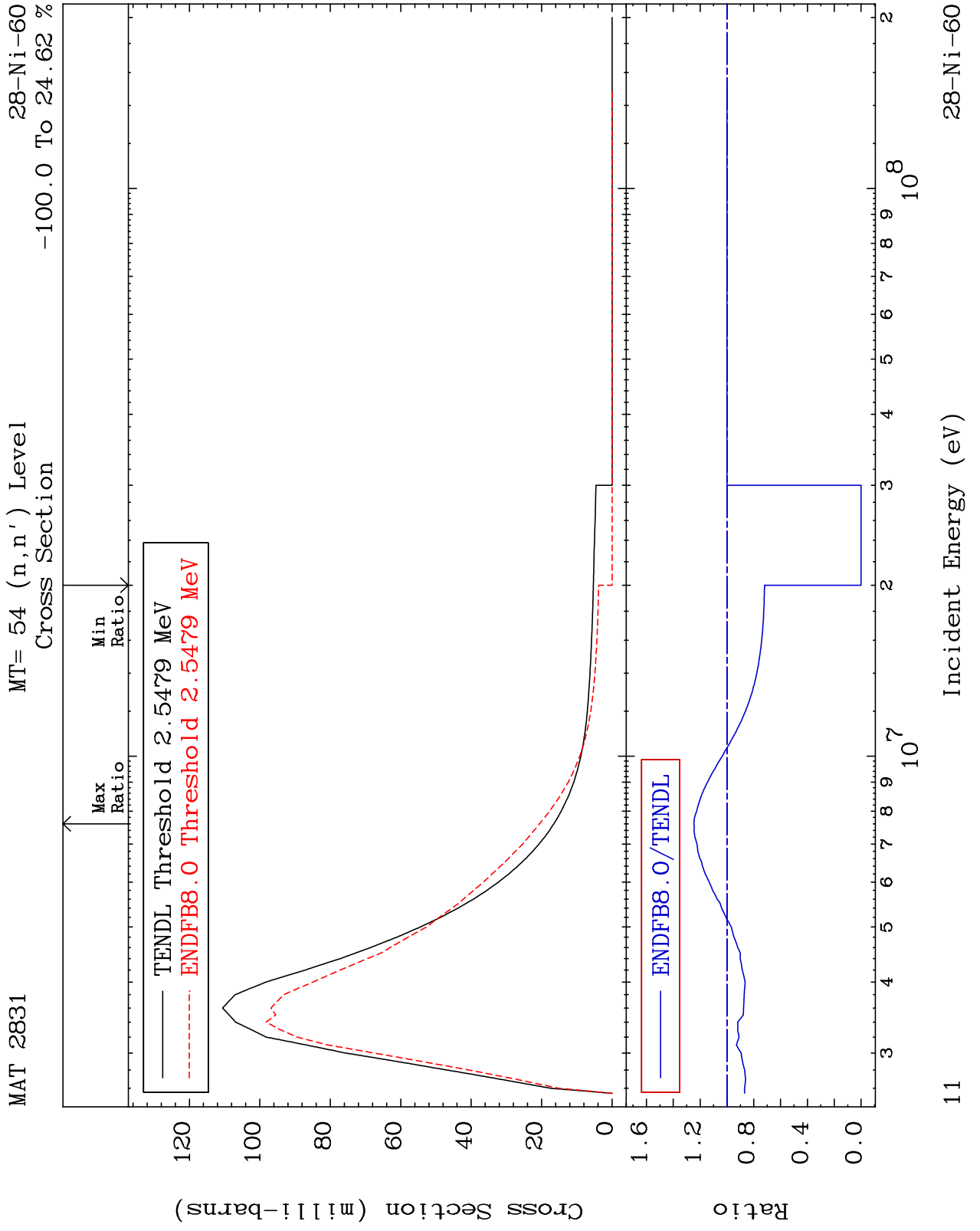
28-Ni-60
-100.0 To 3658. %



10

Incident Energy (eV)

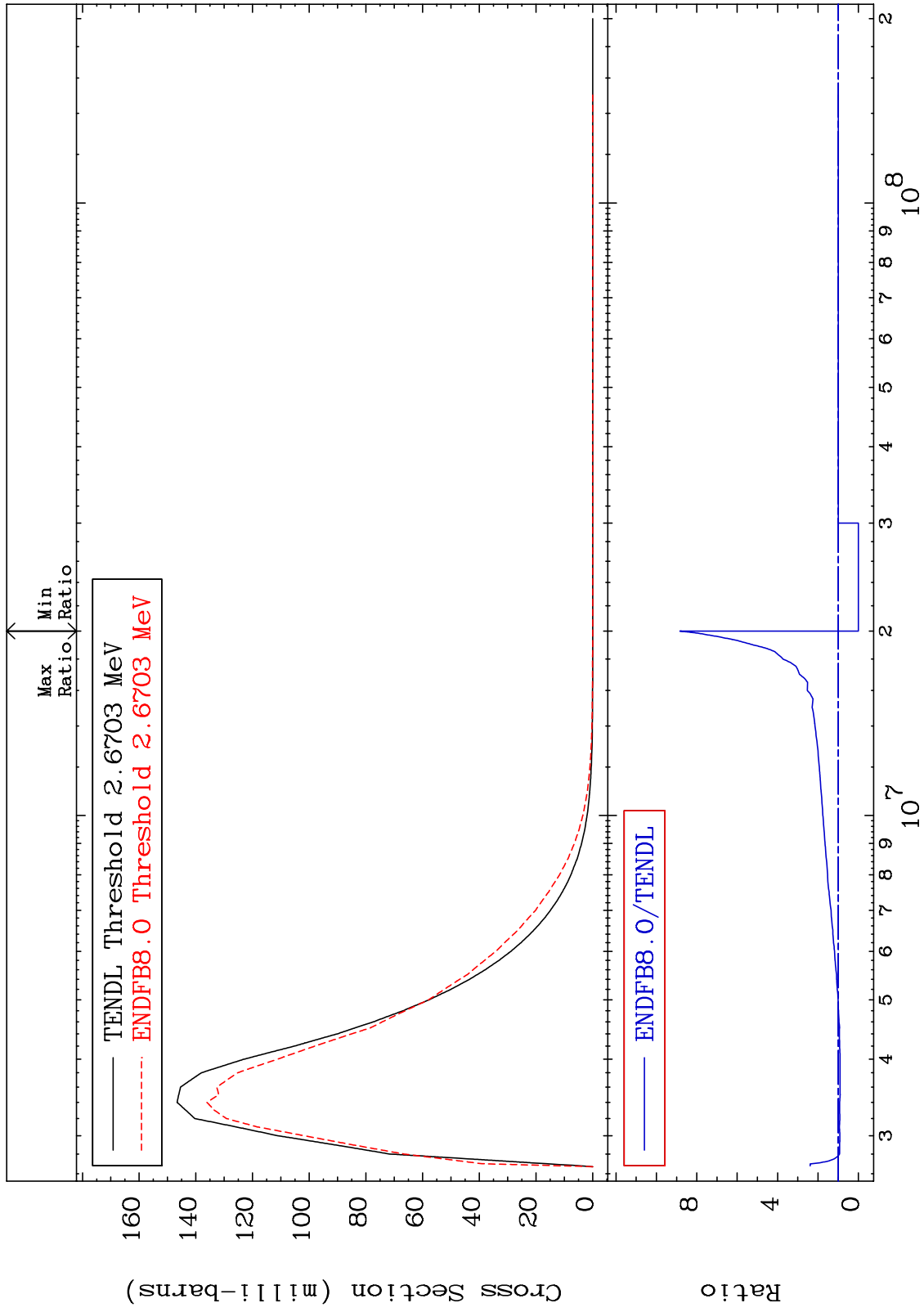
28-Ni-60



MAT 2831

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

28-Ni-60
-100.0 To 783.0 %



12

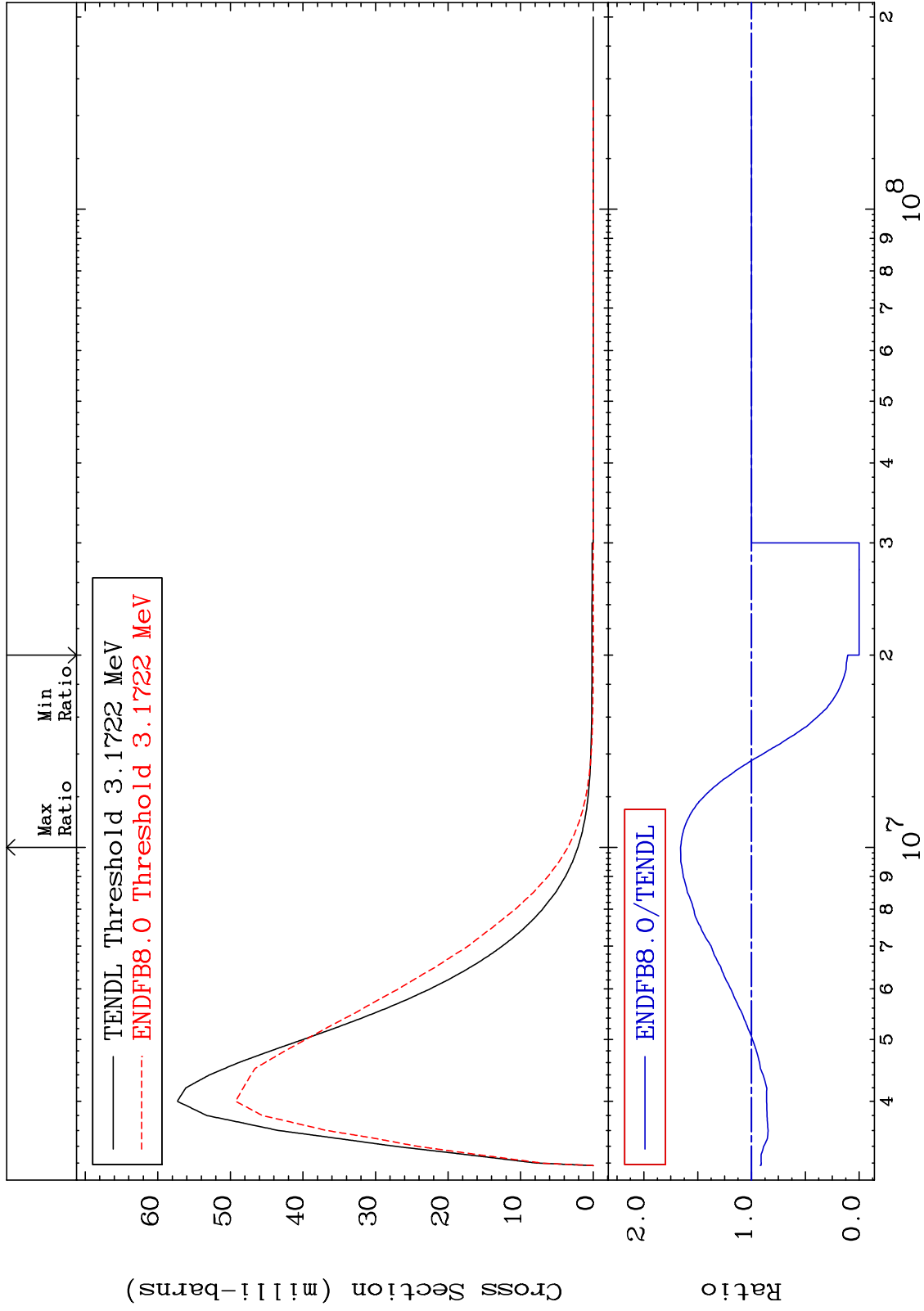
Incident Energy (eV)

28-Ni-60

MAT 2831

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

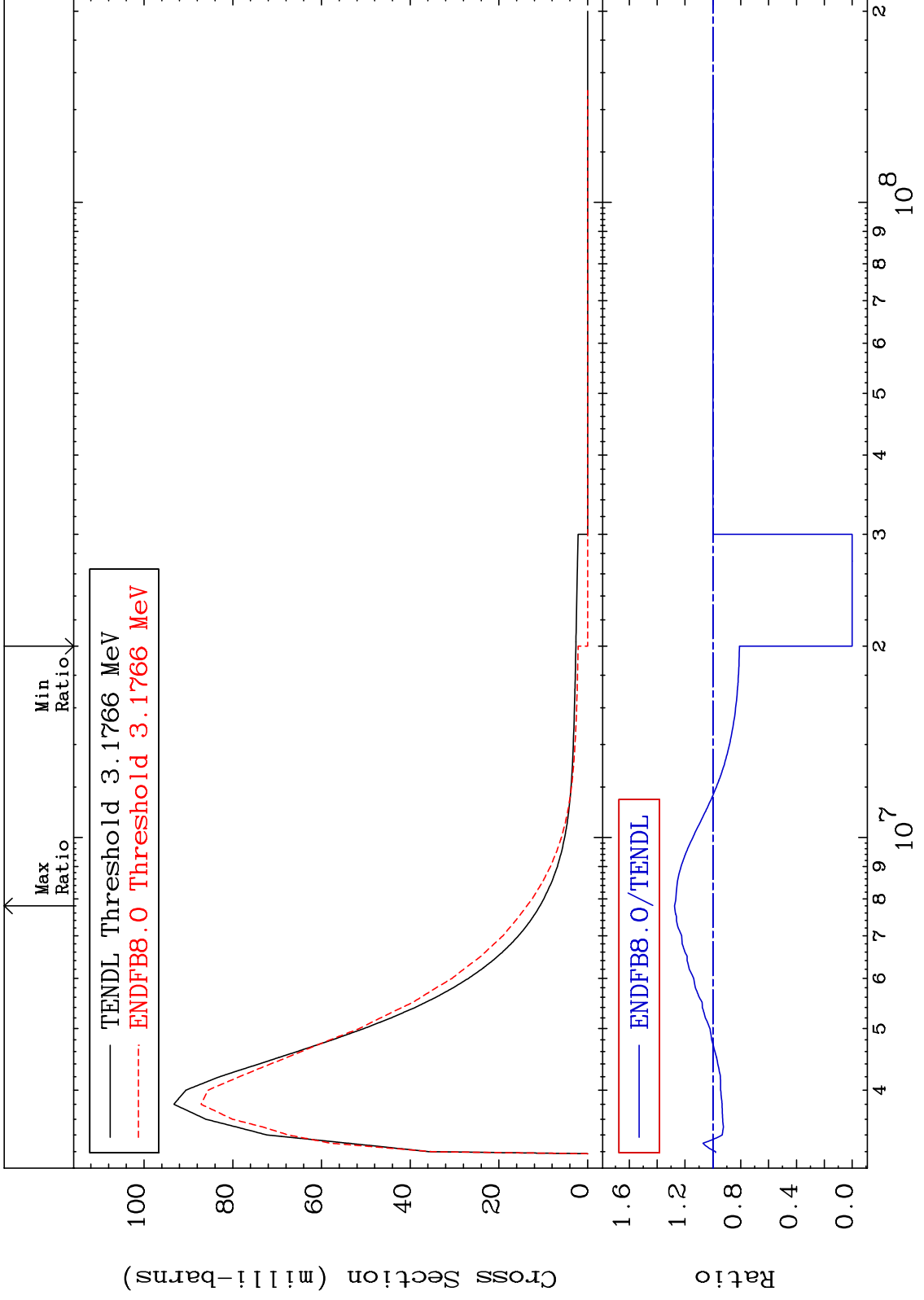
28-Ni-60
-100.0 To 65.87 %



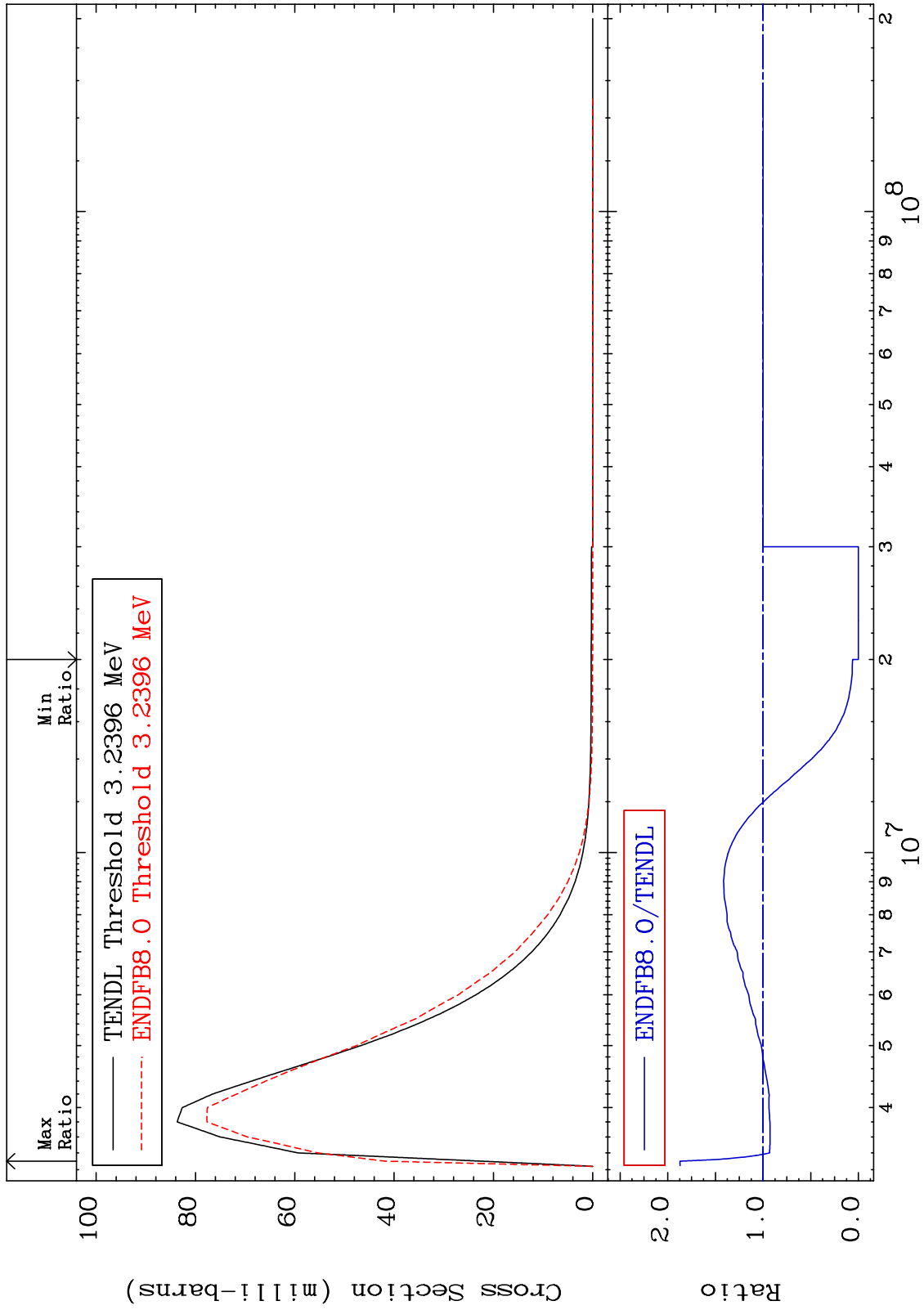
MAT 2831

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

28-Ni-60
-100.0 To 27.51 %



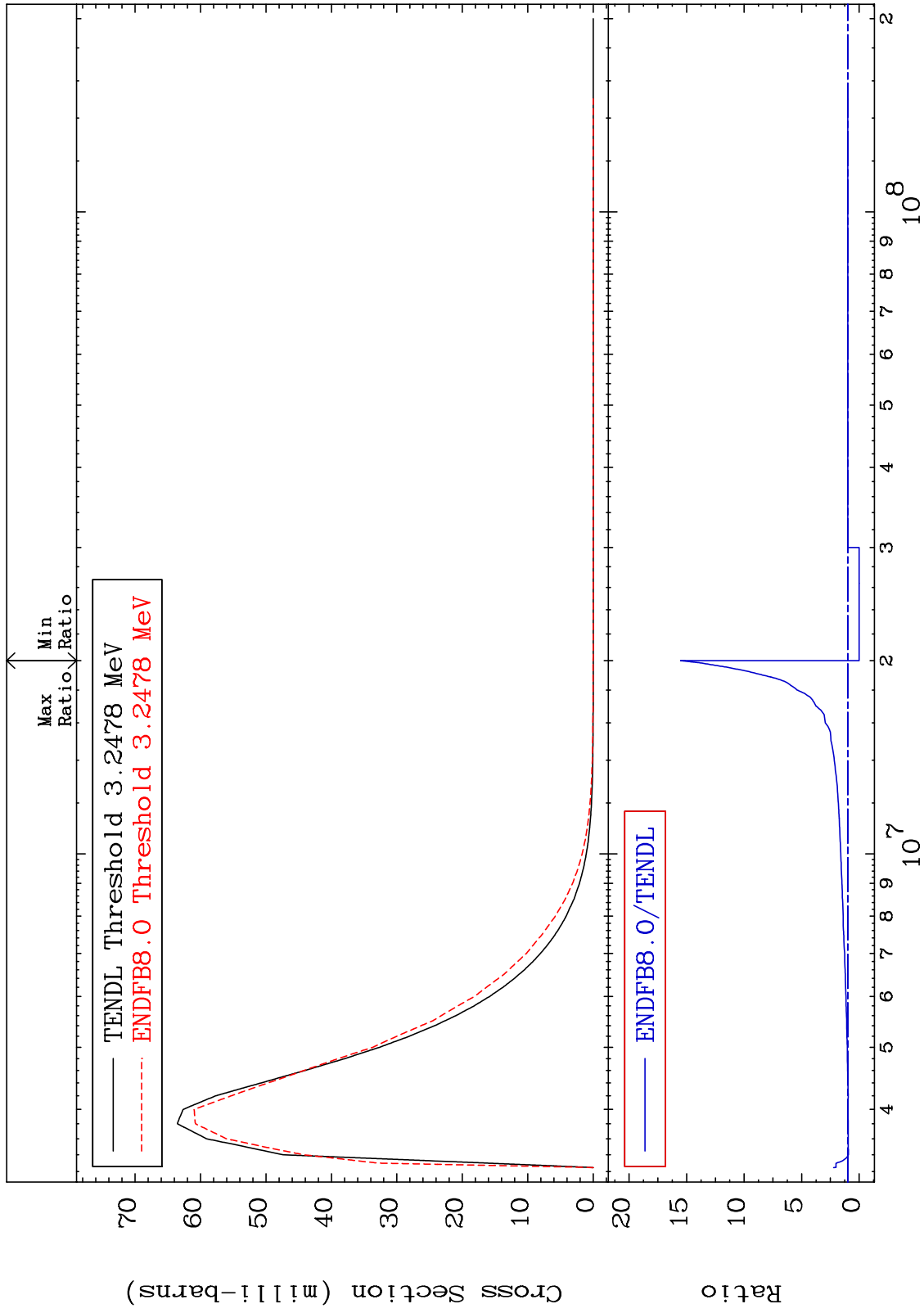
MAT 2831 MT= 58 (n,n') Level Cross Section 28-Ni-60
 -100.0 To 87.16 %



MAT 2831

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

28-Ni-60
-100.0 To 1452. %



16

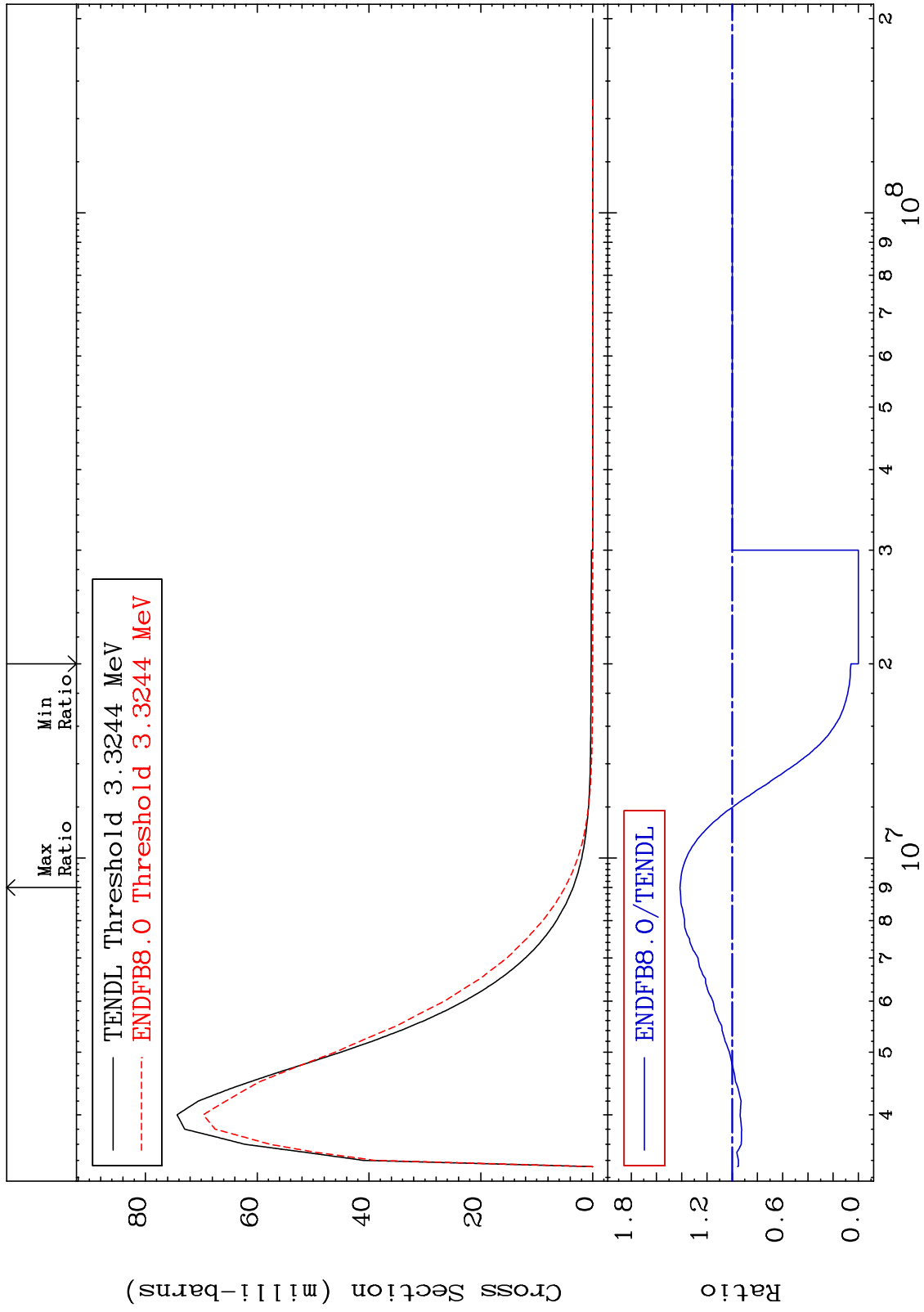
Incident Energy (eV)

28-Ni-60

MAT 2831

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

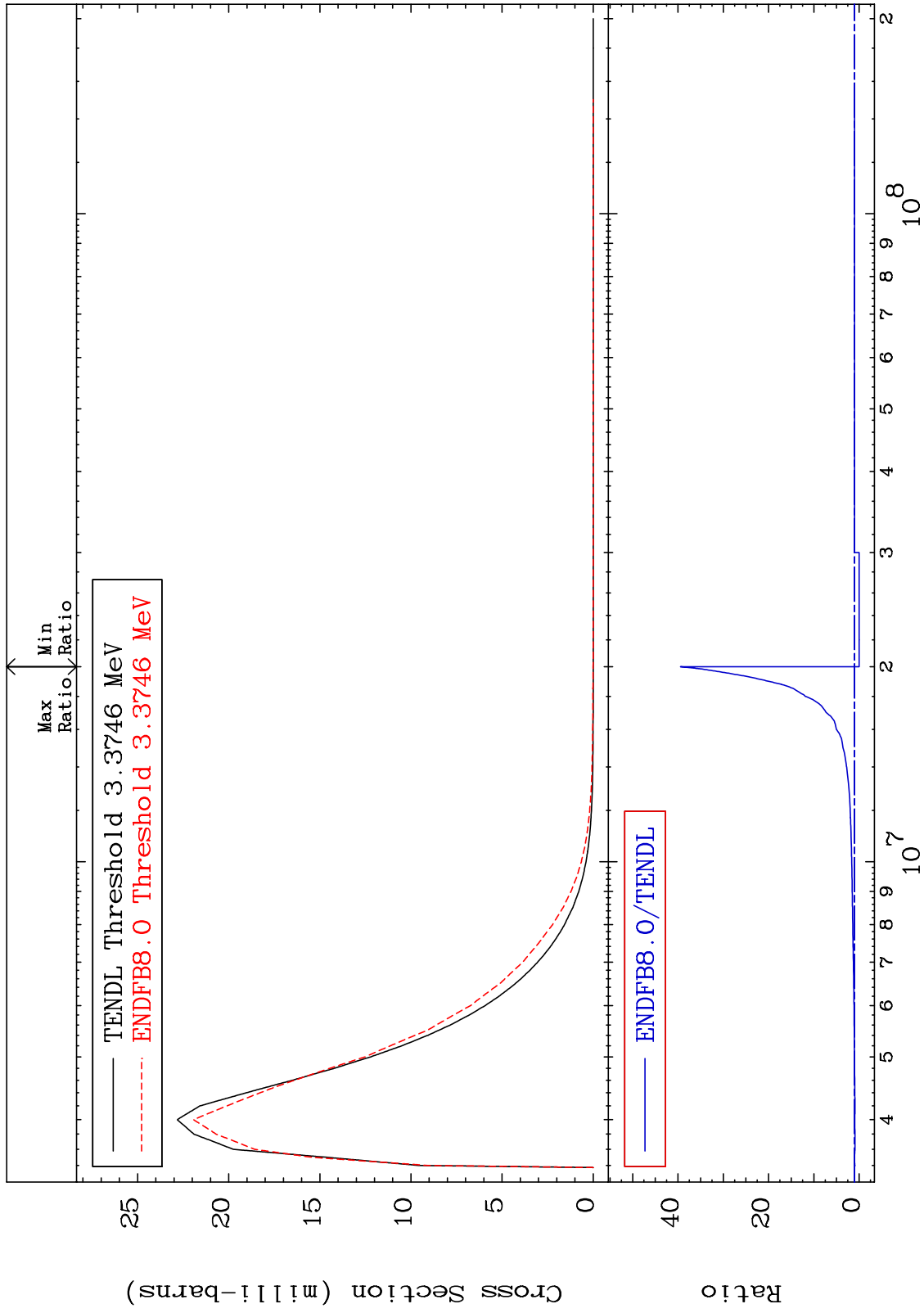
28-Ni-60
-100.0 To 41.34 %



MAT 2831

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

28-Ni-60
-100.0 To 3841. %



18

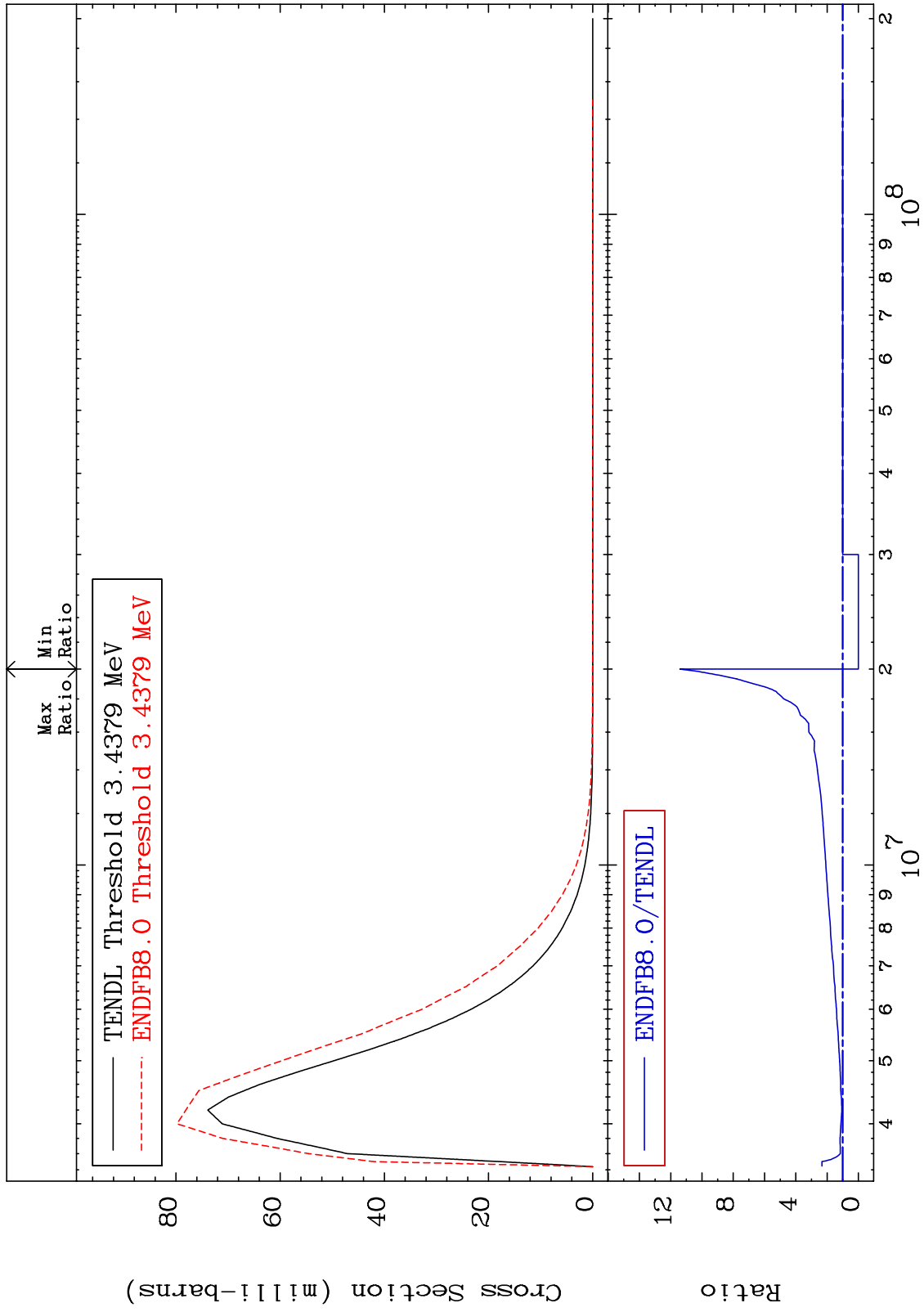
Incident Energy (eV)

28-Ni-60

MAT 2831

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

28-Ni-60
-100.0 To 1040. %

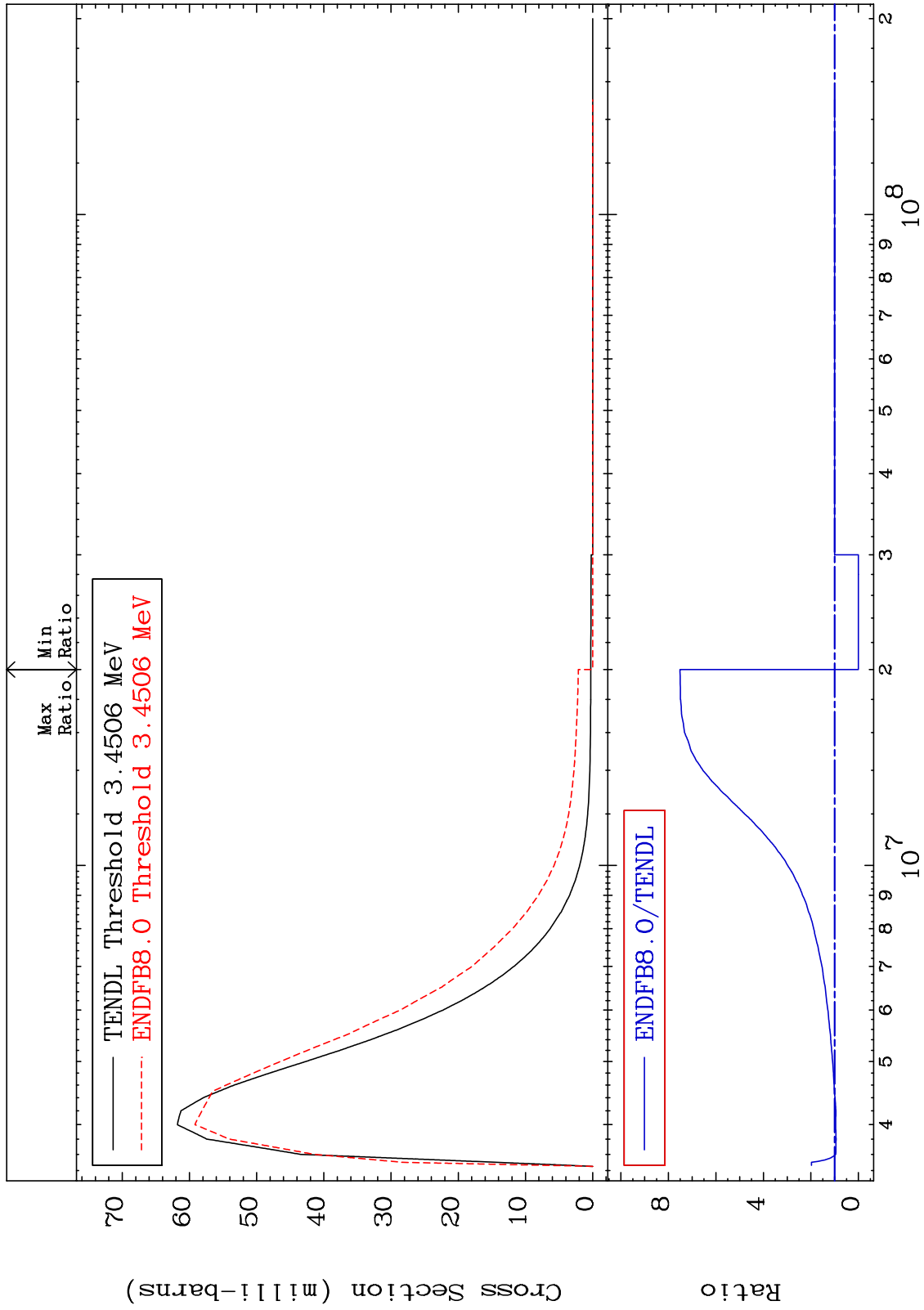


19

Incident Energy (eV)

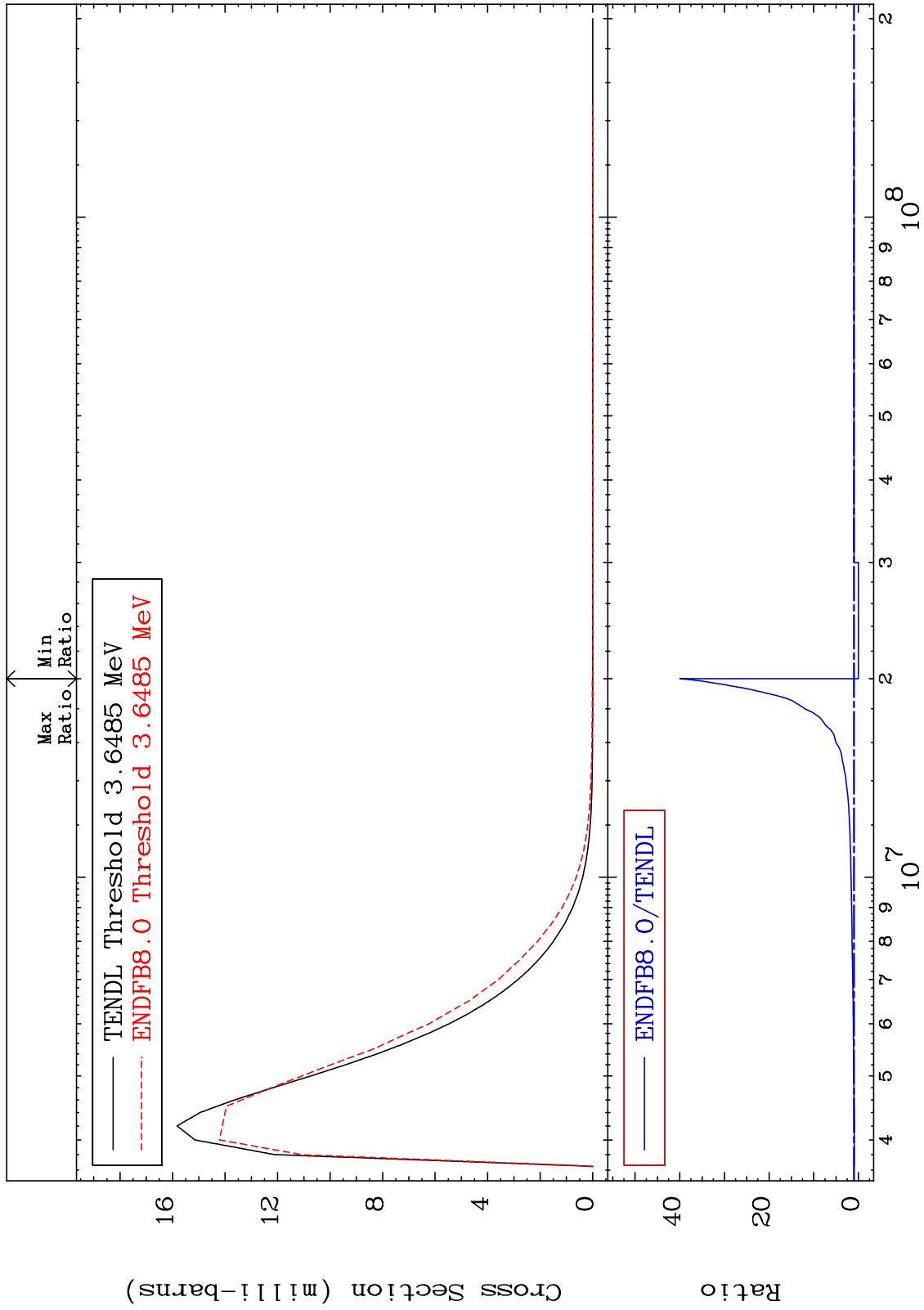
28-Ni-60

MAT 2831 MT= 63 (n,n') Level 28-Ni-60
 Cross Section -100.0 To 651.1 %

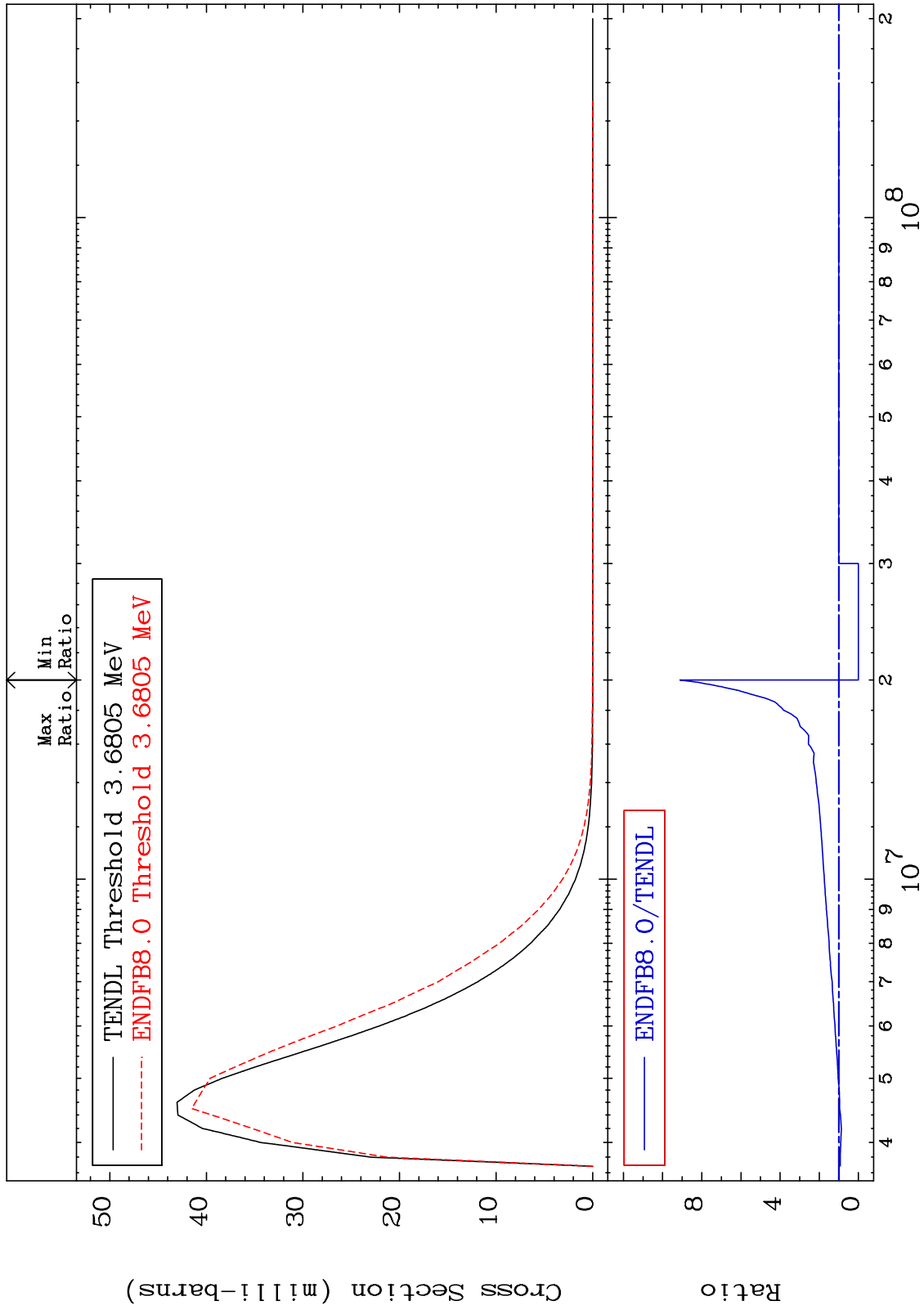


20 Incident Energy (eV) 28-Ni-60

MAT 2831 MT= 64 (n,n') Level 28-Ni-60
Cross Section -100.0 To 3894. %



MAT 2831 MT= 65 (n,n') Level Cross Section -100.0 To 811.1 % 28-Ni-60

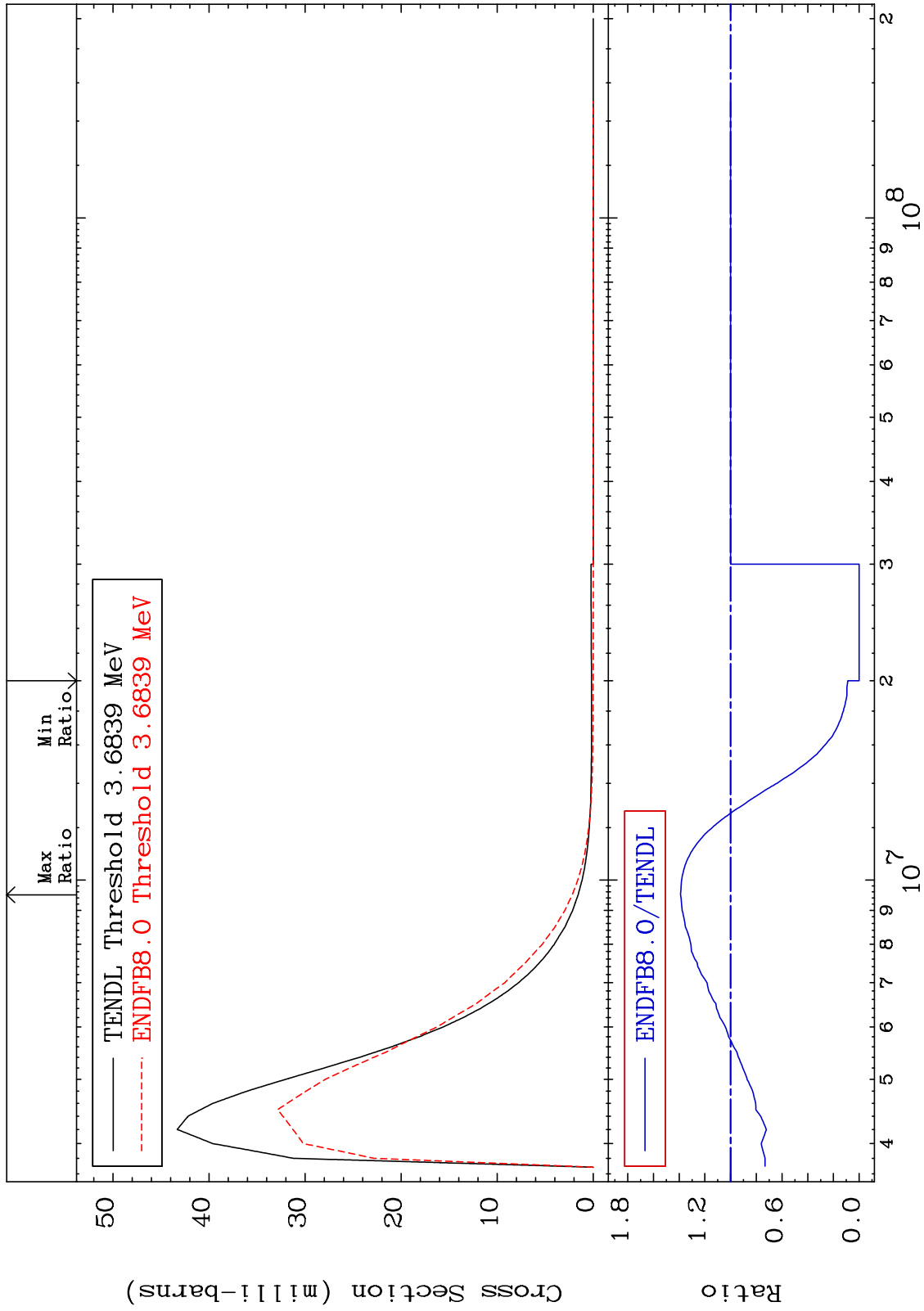


22 28-Ni-60

MAT 2831

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

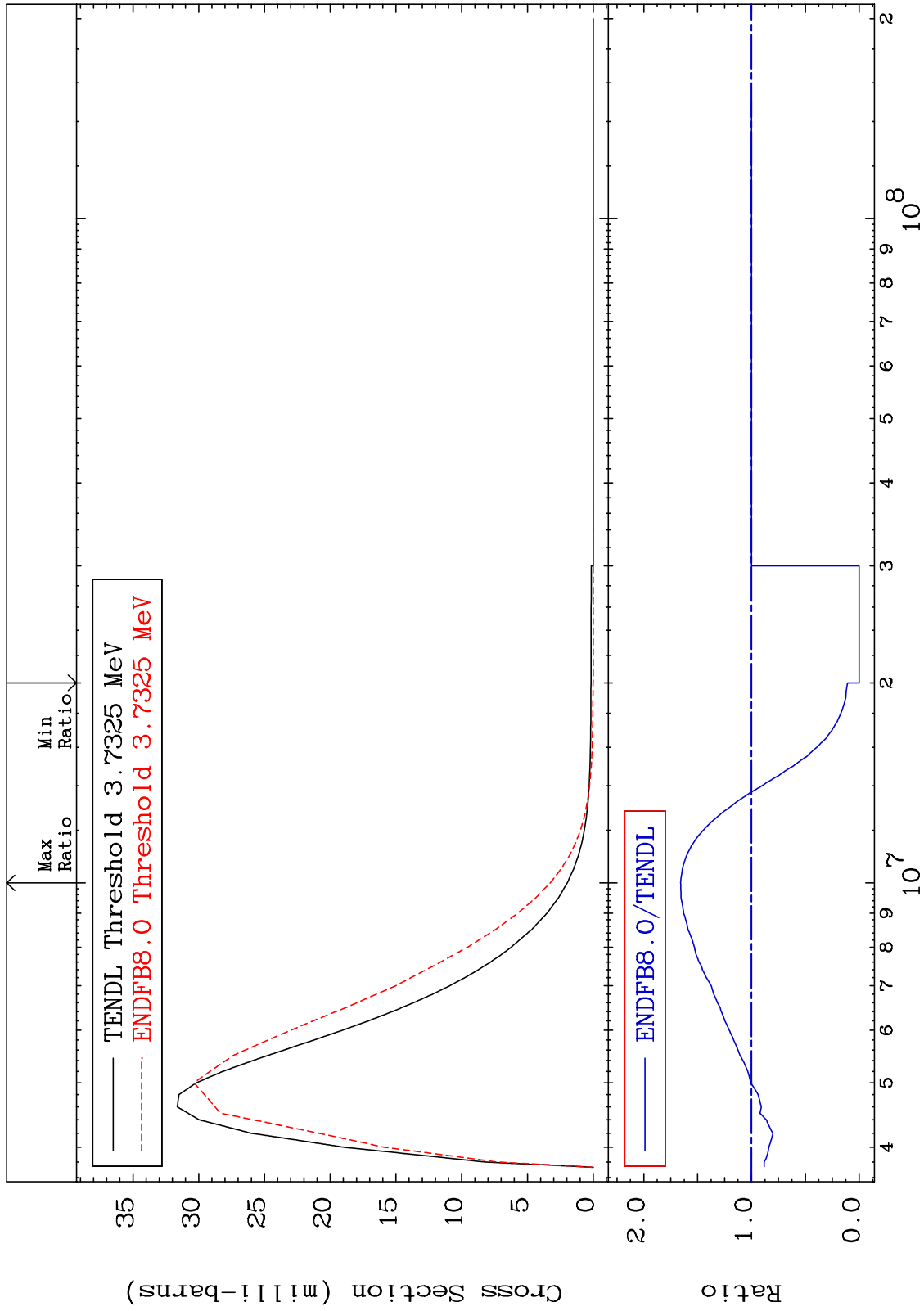
28-Ni-60
-100.0 To 38.88 %



MAT 2831

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

28-Ni-60
-100.0 To 65.84 %



24

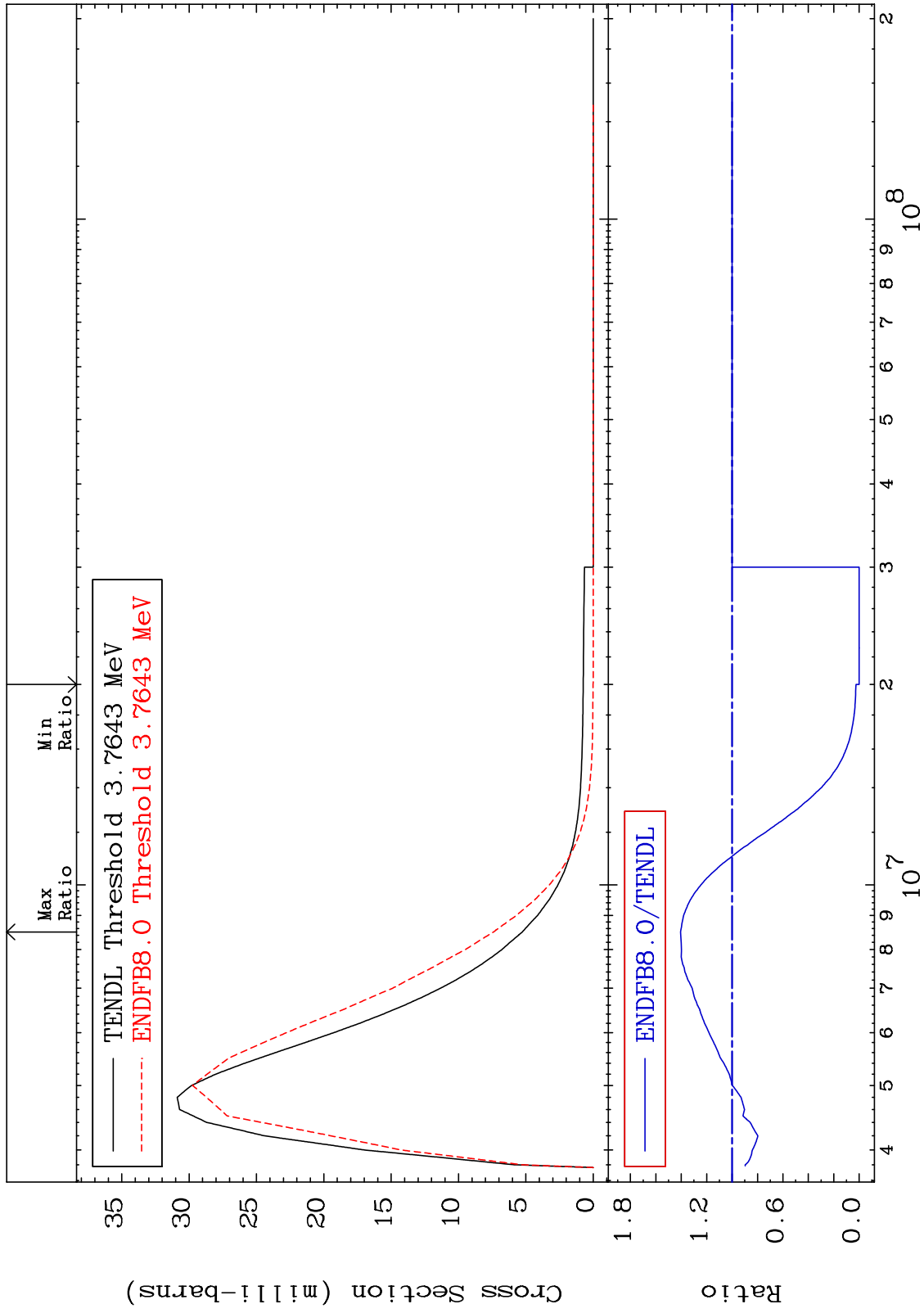
Incident Energy (eV)

28-Ni-60

MAT 2831

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

28-Ni-60
-100.0 To 40.51 %



25

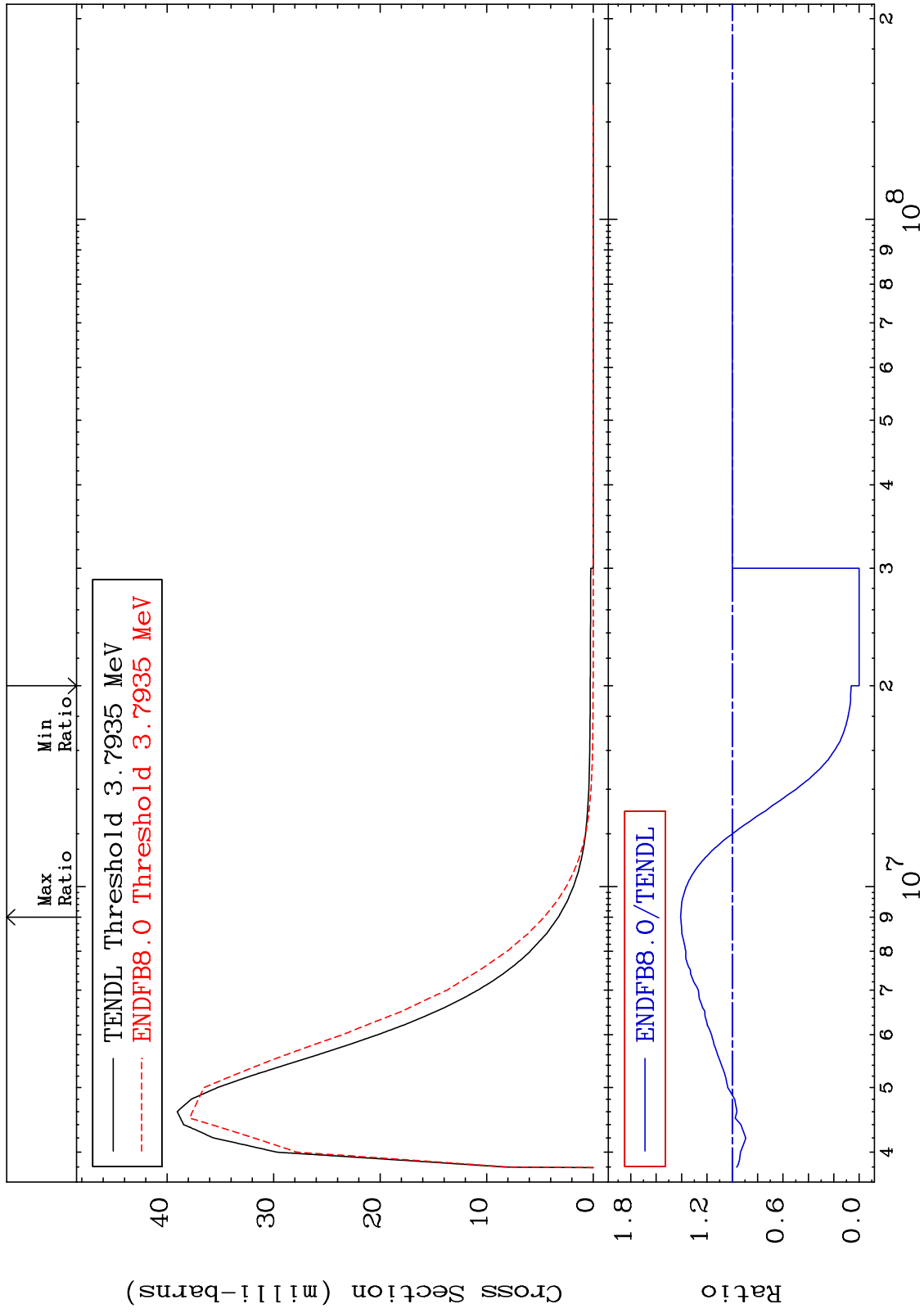
Incident Energy (eV)

28-Ni-60

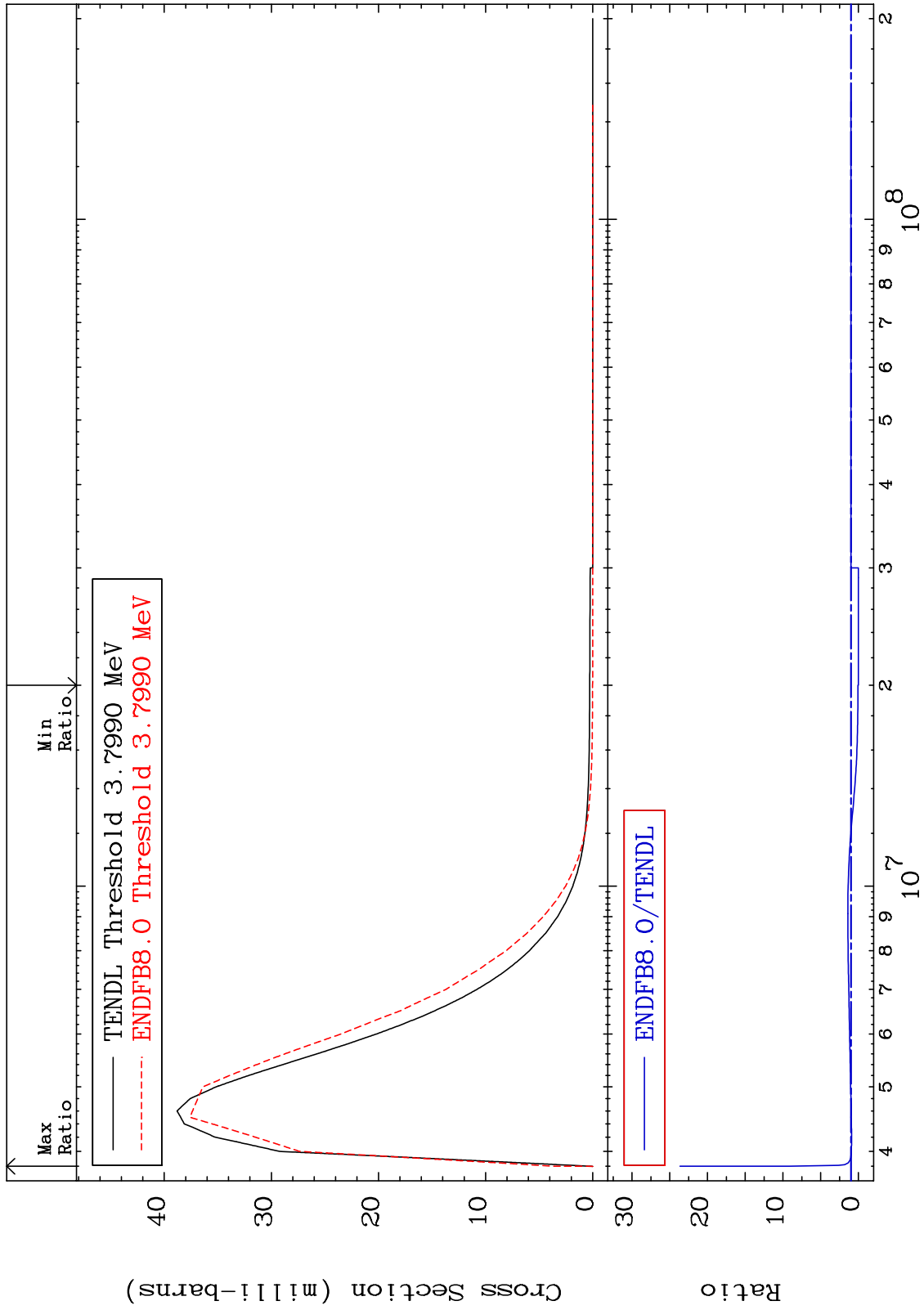
MAT 2831

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

28-Ni-60
-100.0 To 40.73 %



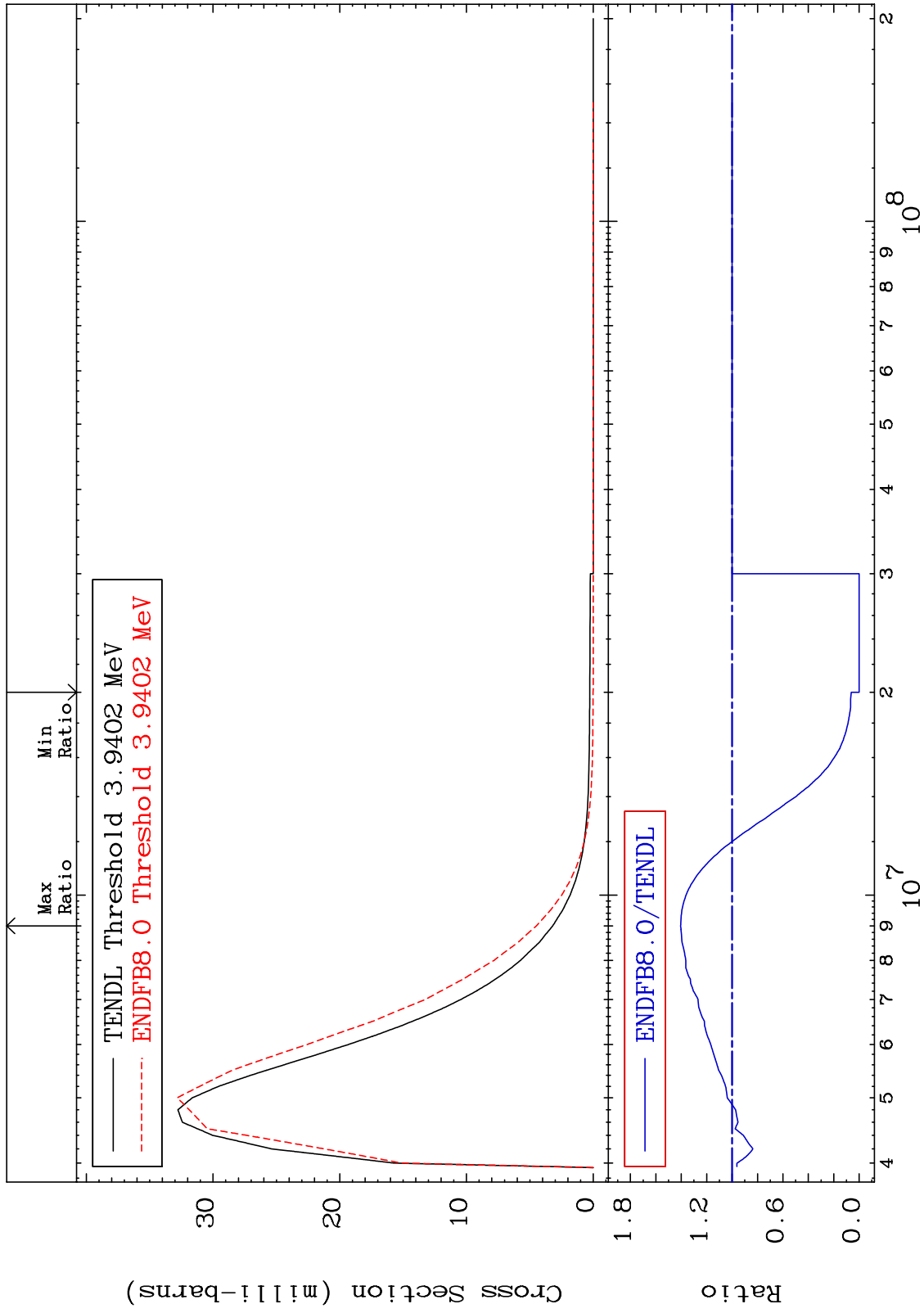
MAT 2831 MT= 70 (n,n') Level 28-Ni-60
 Cross Section -100.0 To 2264. %



MAT 2831

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

28-Ni-60
-100.0 To 40.50 %



28

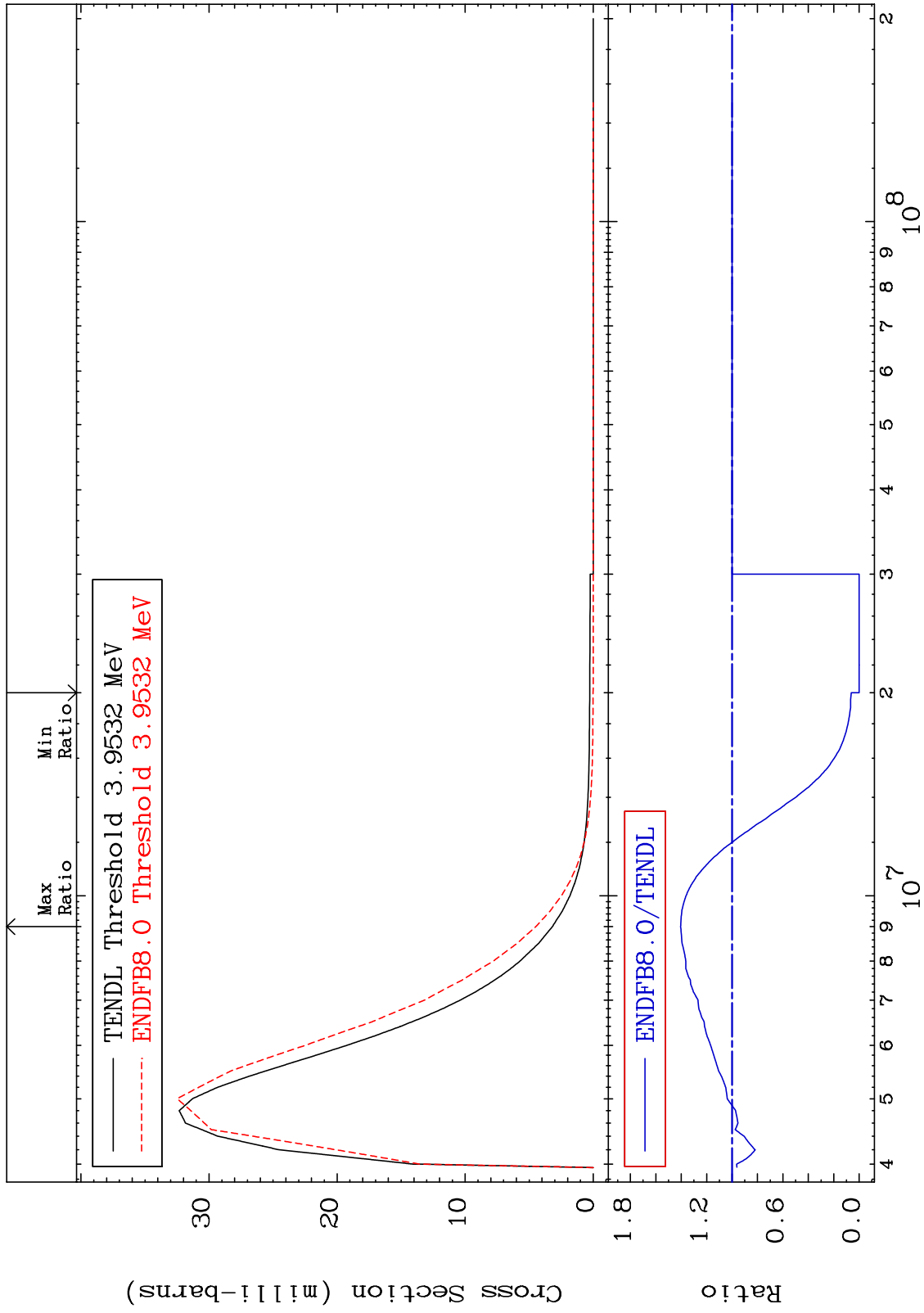
Incident Energy (eV)

28-Ni-60

MAT 2831

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

28-Ni-60
-100.0 To 40.48 %



29

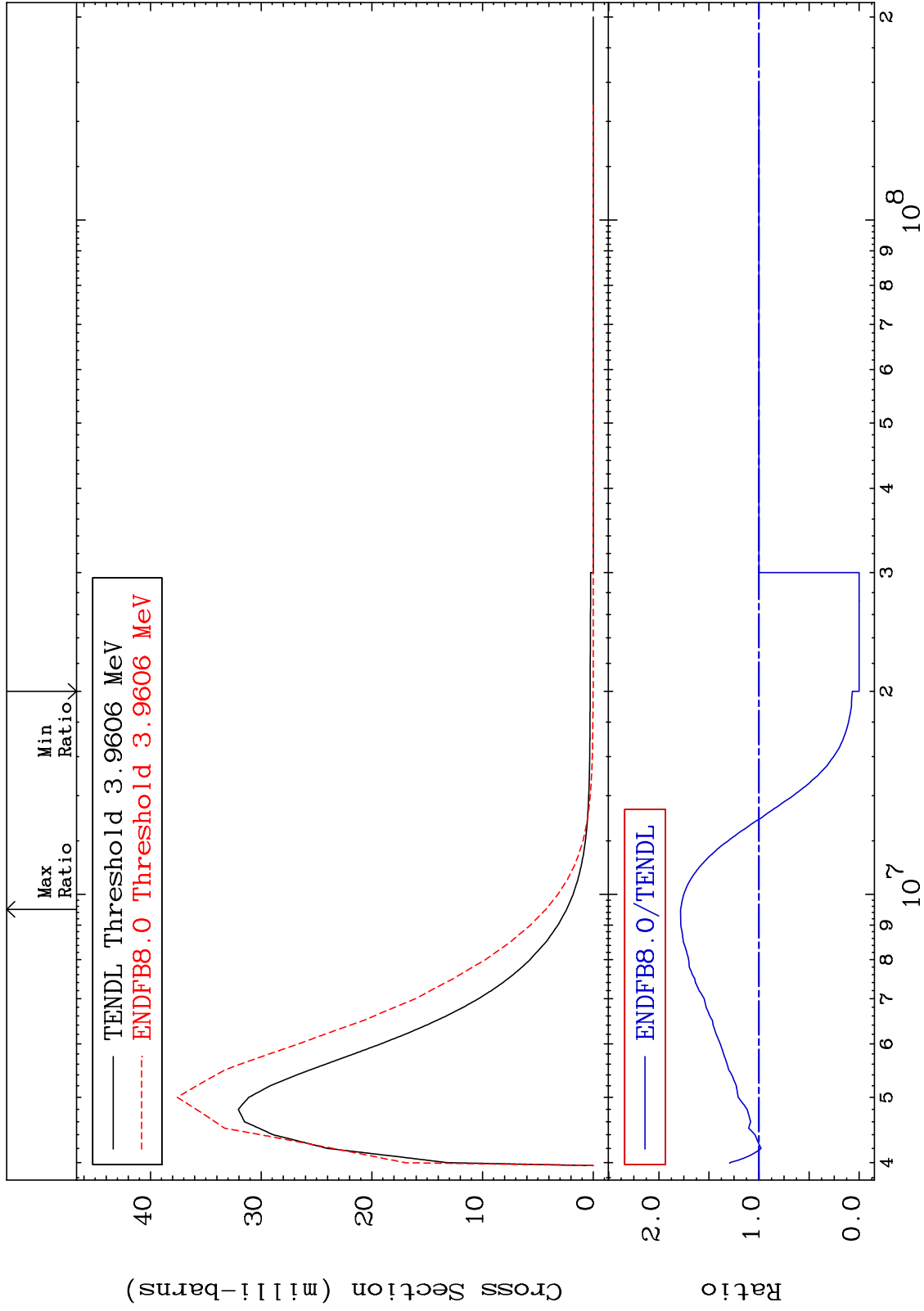
28-Ni-60

28-Ni-60

MAT 2831

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

28-Ni-60
-100.0 To 78.25 %

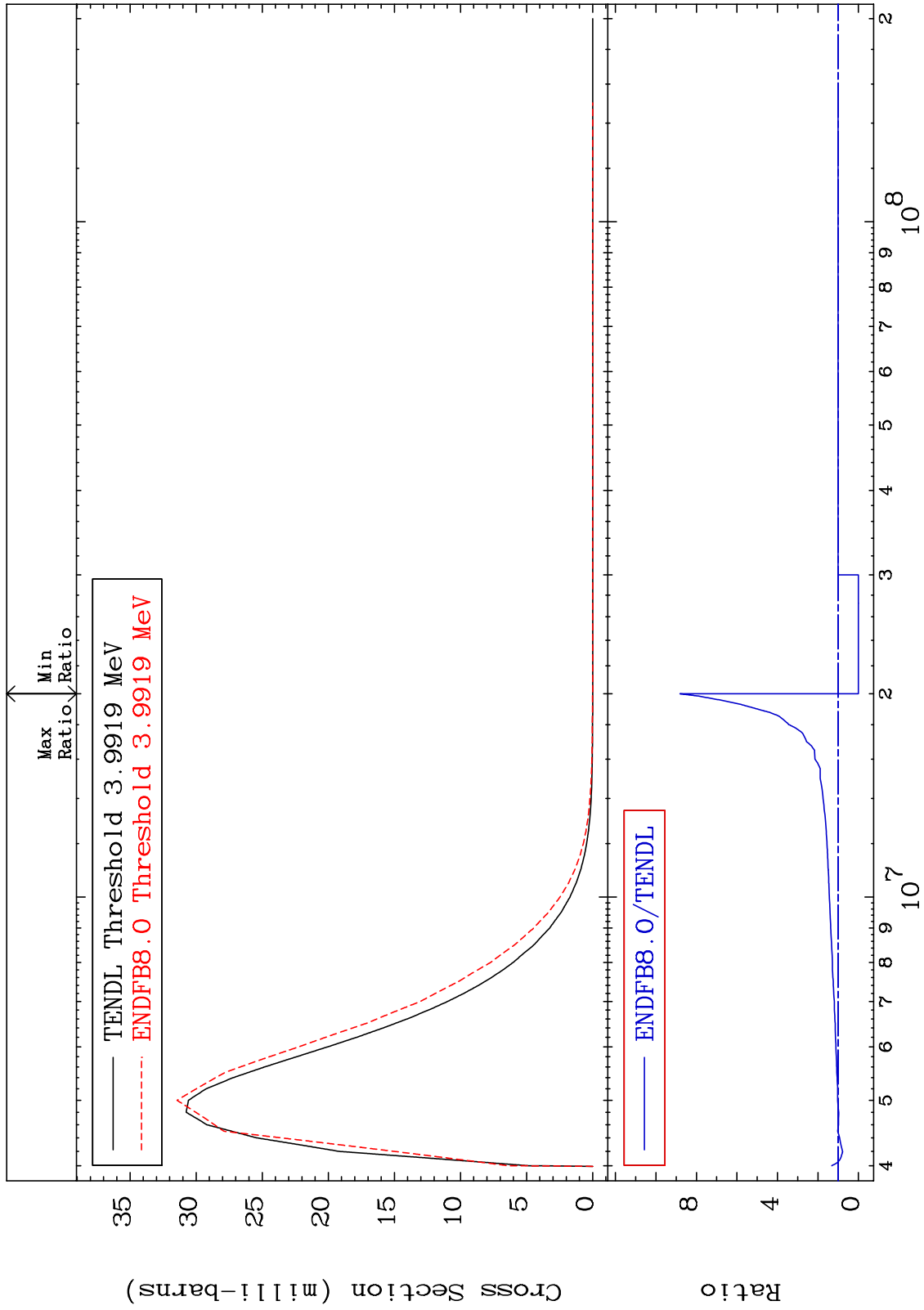


30

28-Ni-60

28-Ni-60

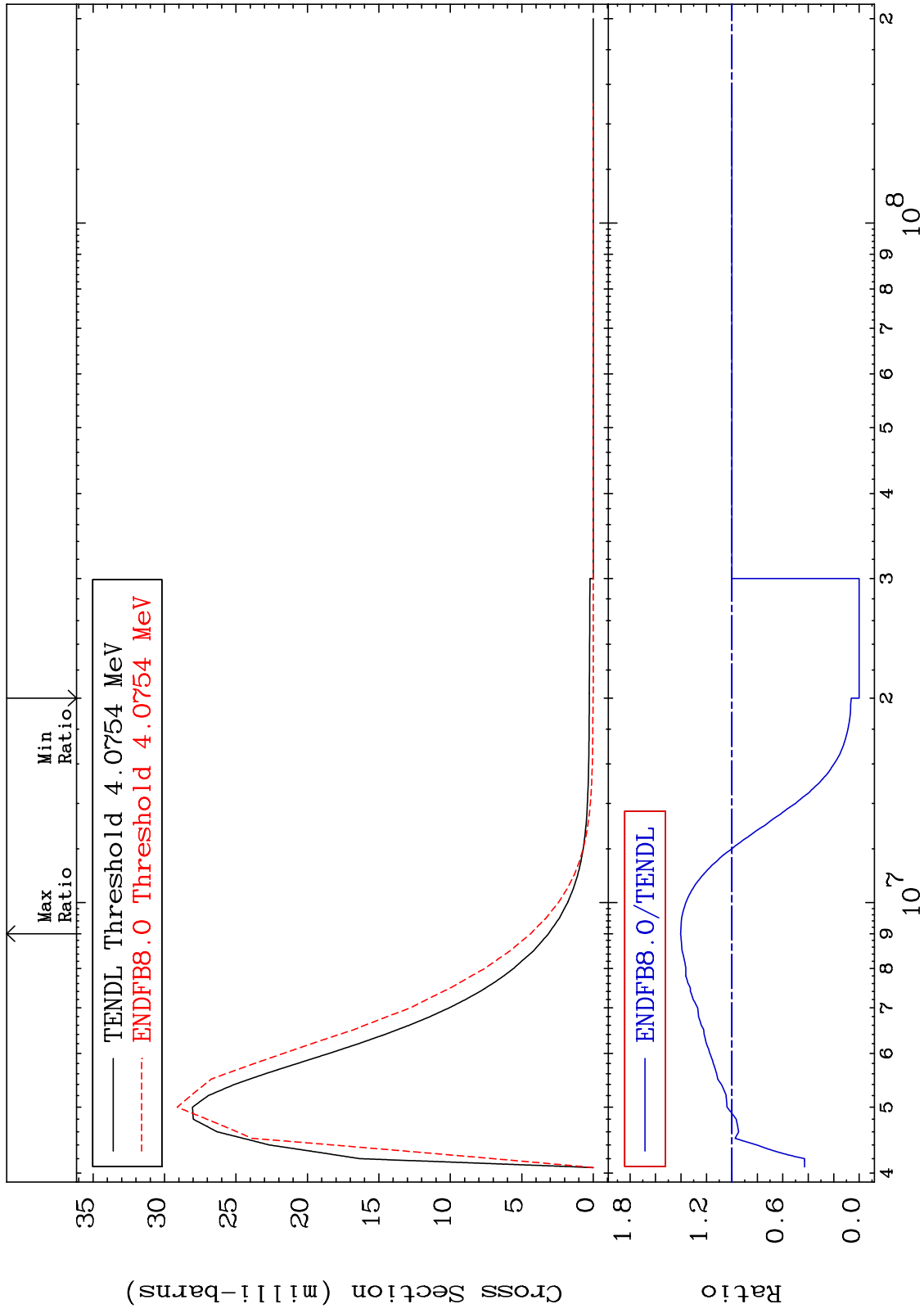
MAT 2831 MT= 74 (n,n') Level 28-Ni-60
 Cross Section -100.0 To 781.2 %



MAT 2831

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

28-Ni-60
-100.0 To 40.30 %



32

Incident Energy (eV)

28-Ni-60

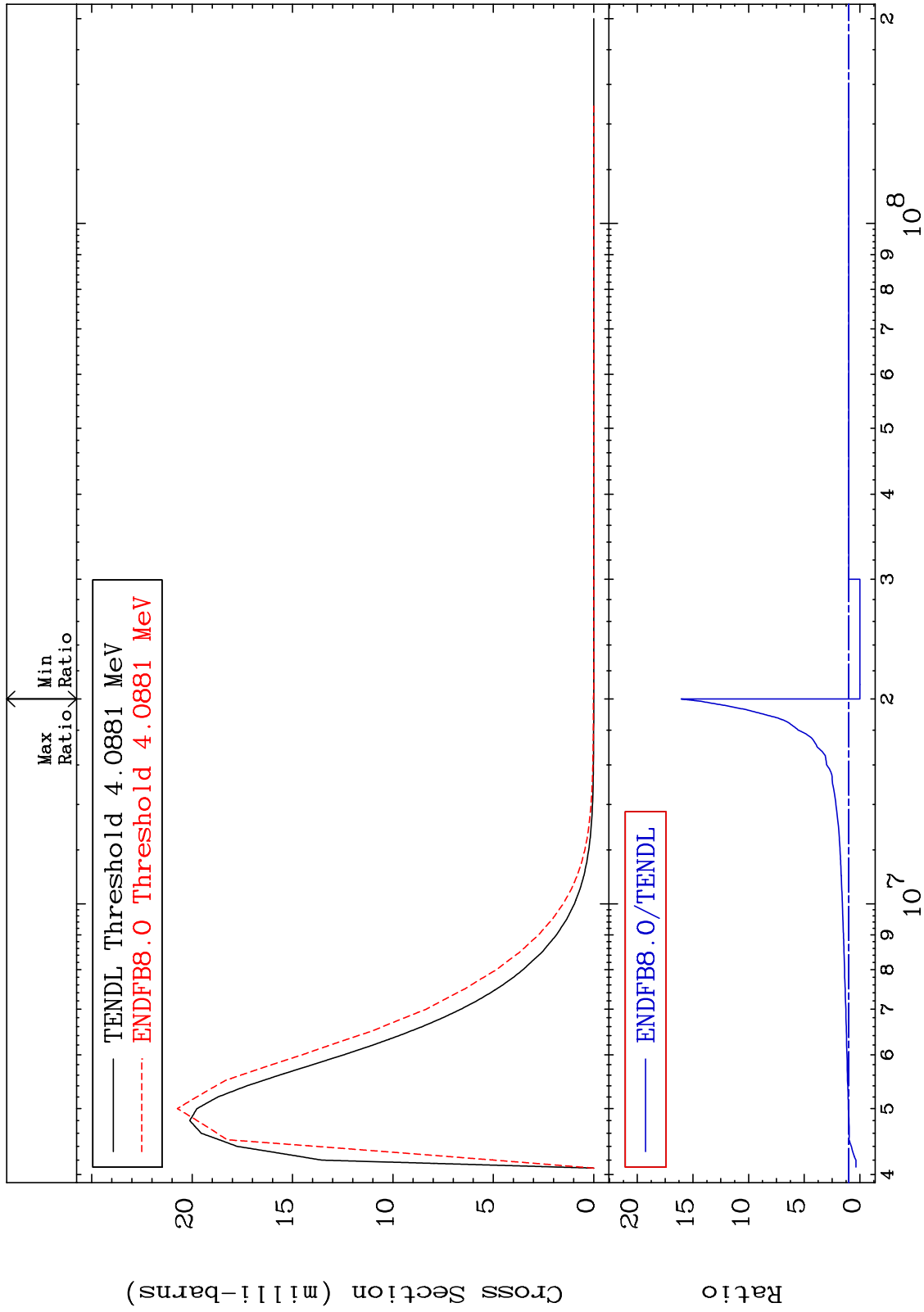
MAT 2831

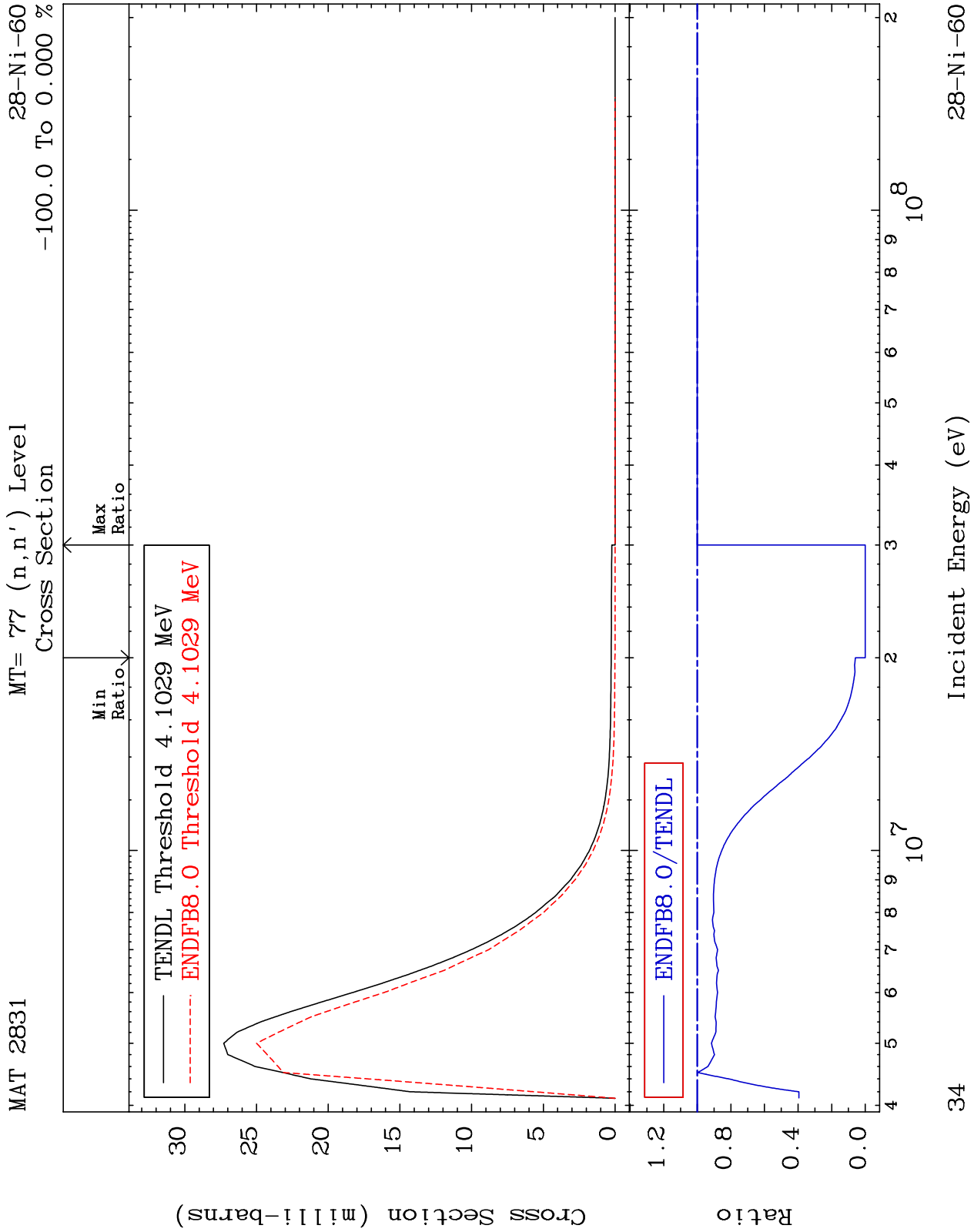
MT= 76 (n,n') Level

28-Ni-60

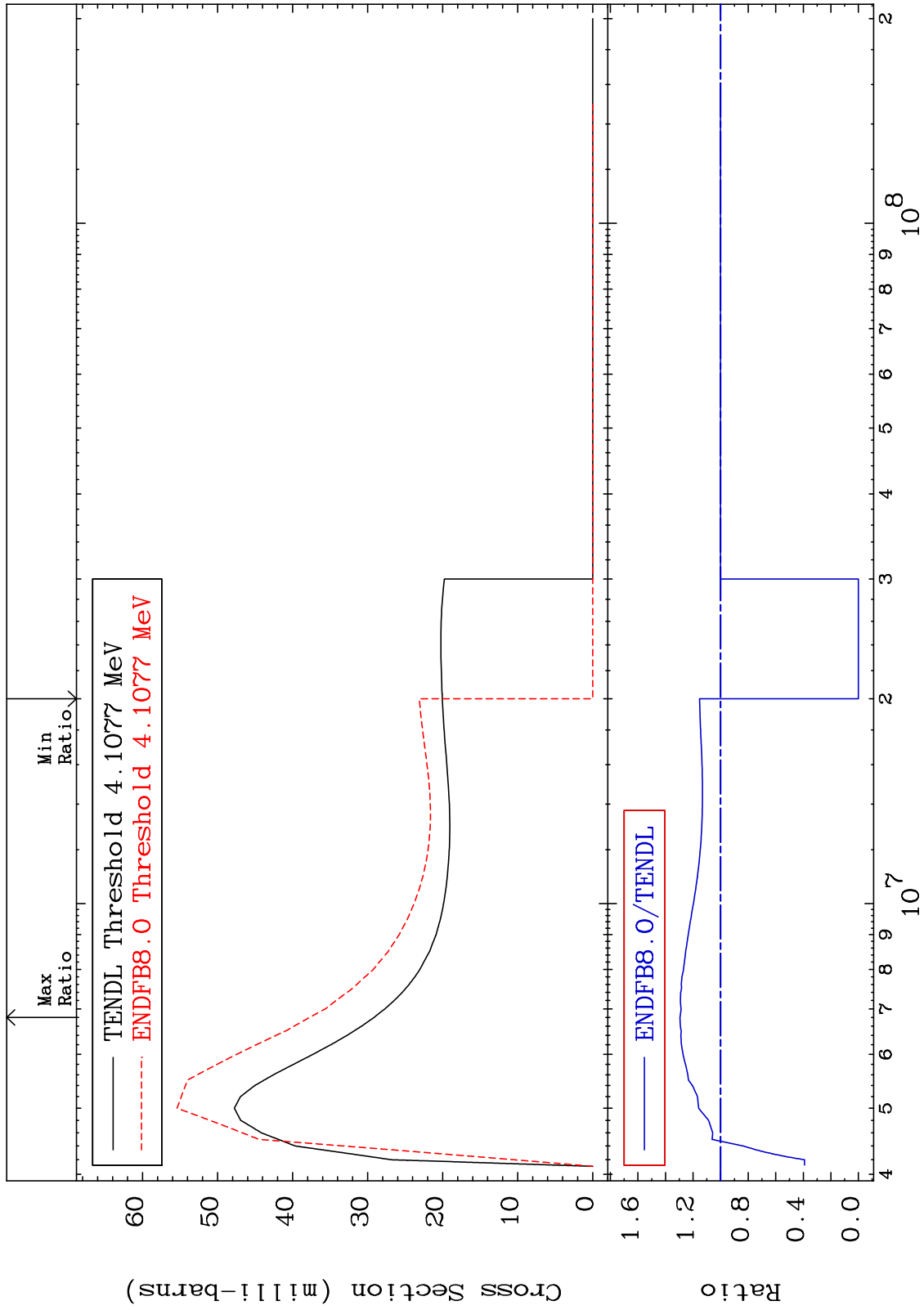
-100.0 To 1505. %

Cross Section





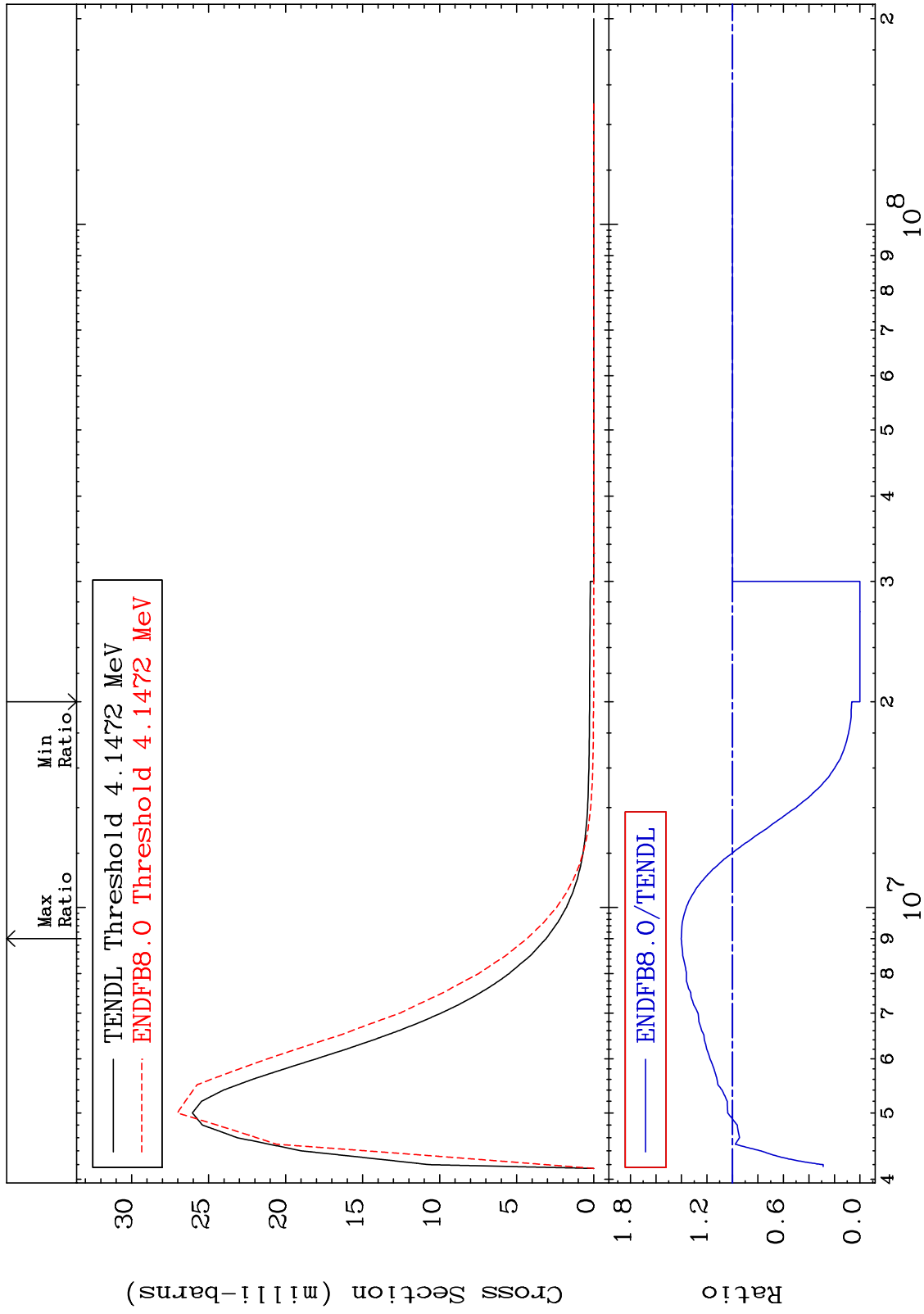
MAT 2831 MT= 78 (n,n') Level Cross Section -100.0 To 29.47 % 28-Ni-60



MAT 2831

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

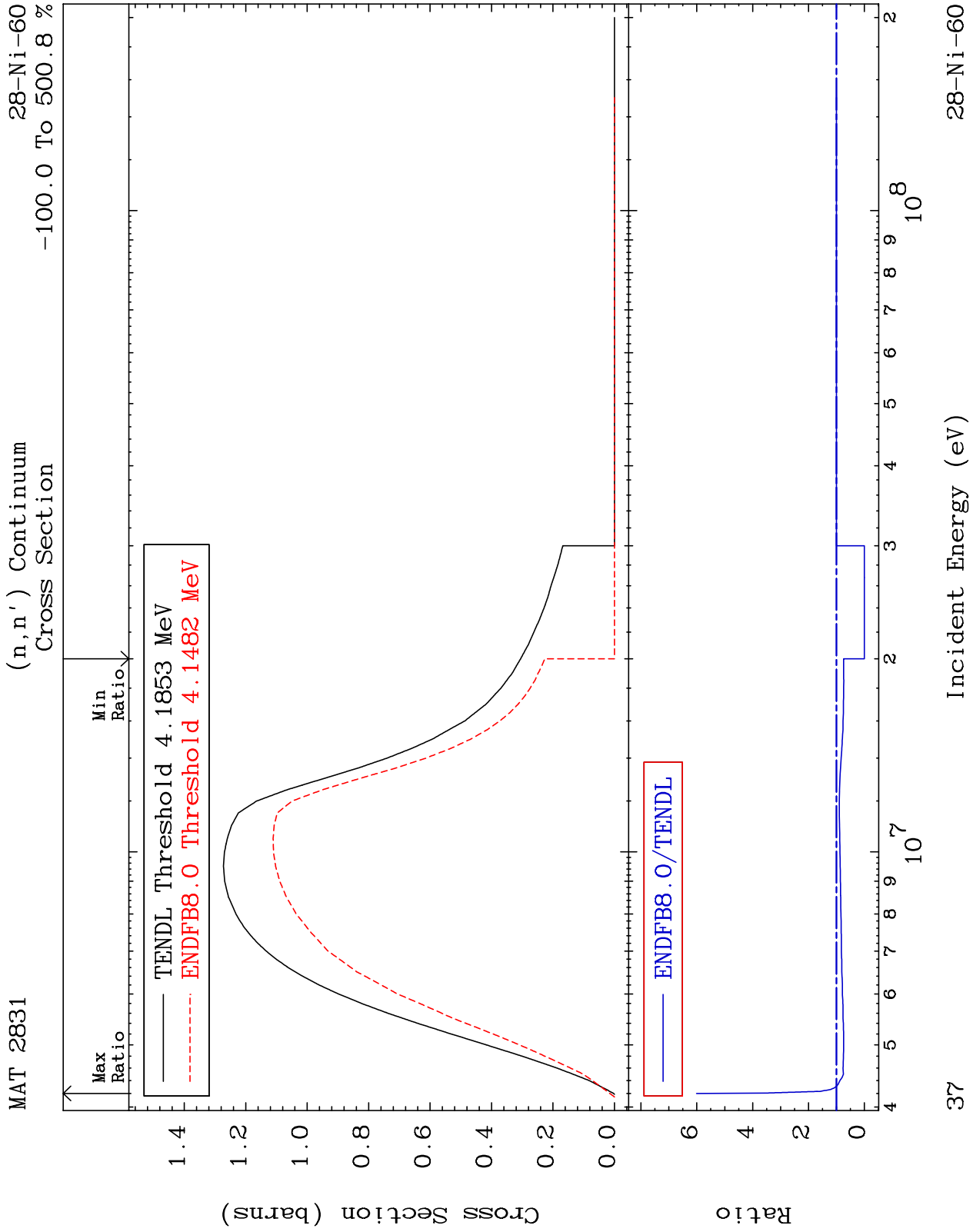
28-Ni-60
-100.0 To 40.18 %



36

Incident Energy (eV)

28-Ni-60



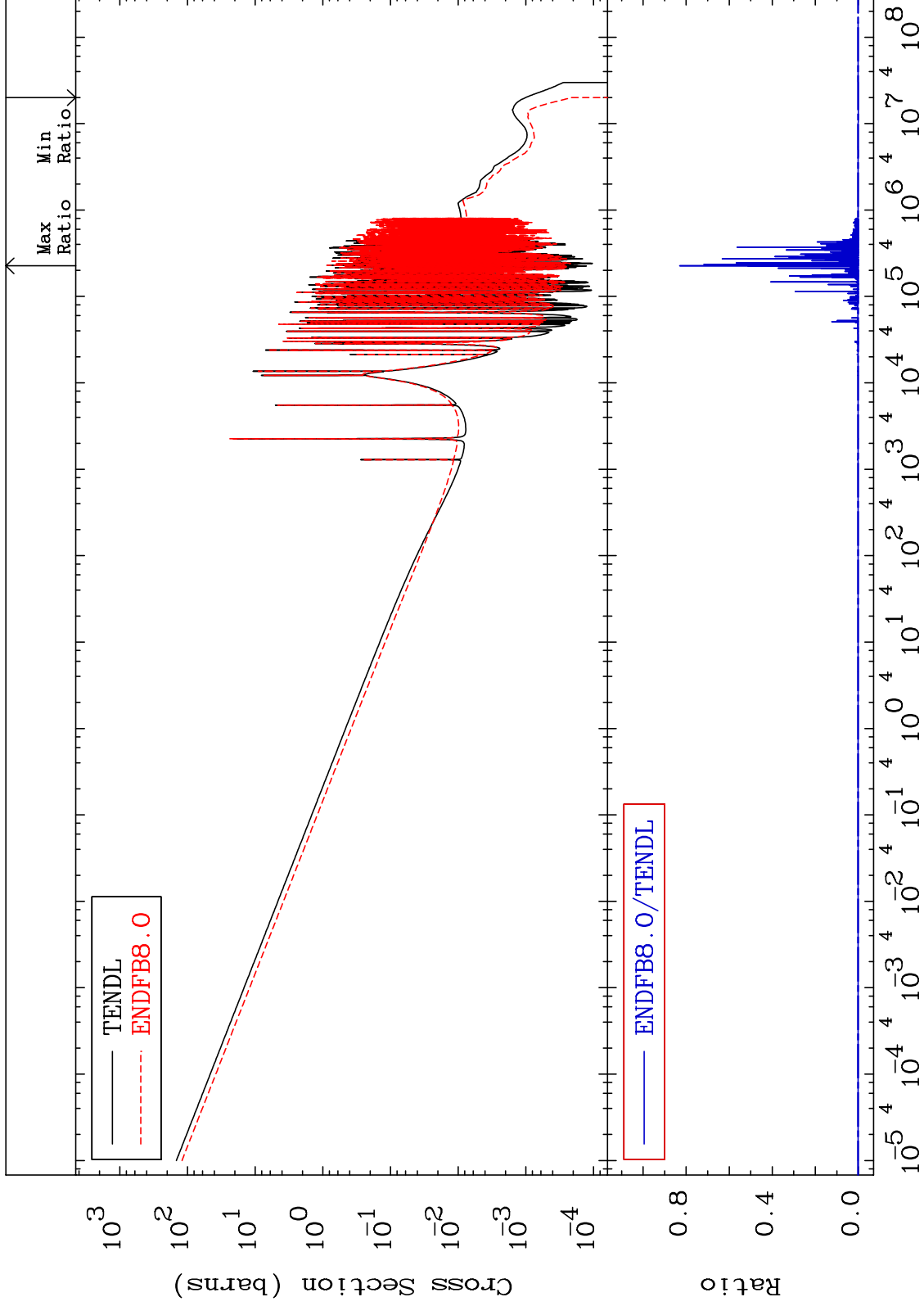
MAT 2831

(n, γ)

28-Ni-60

Cross Section

-100.0 To 9999. %



38

Incident Energy (eV)

28-Ni-60

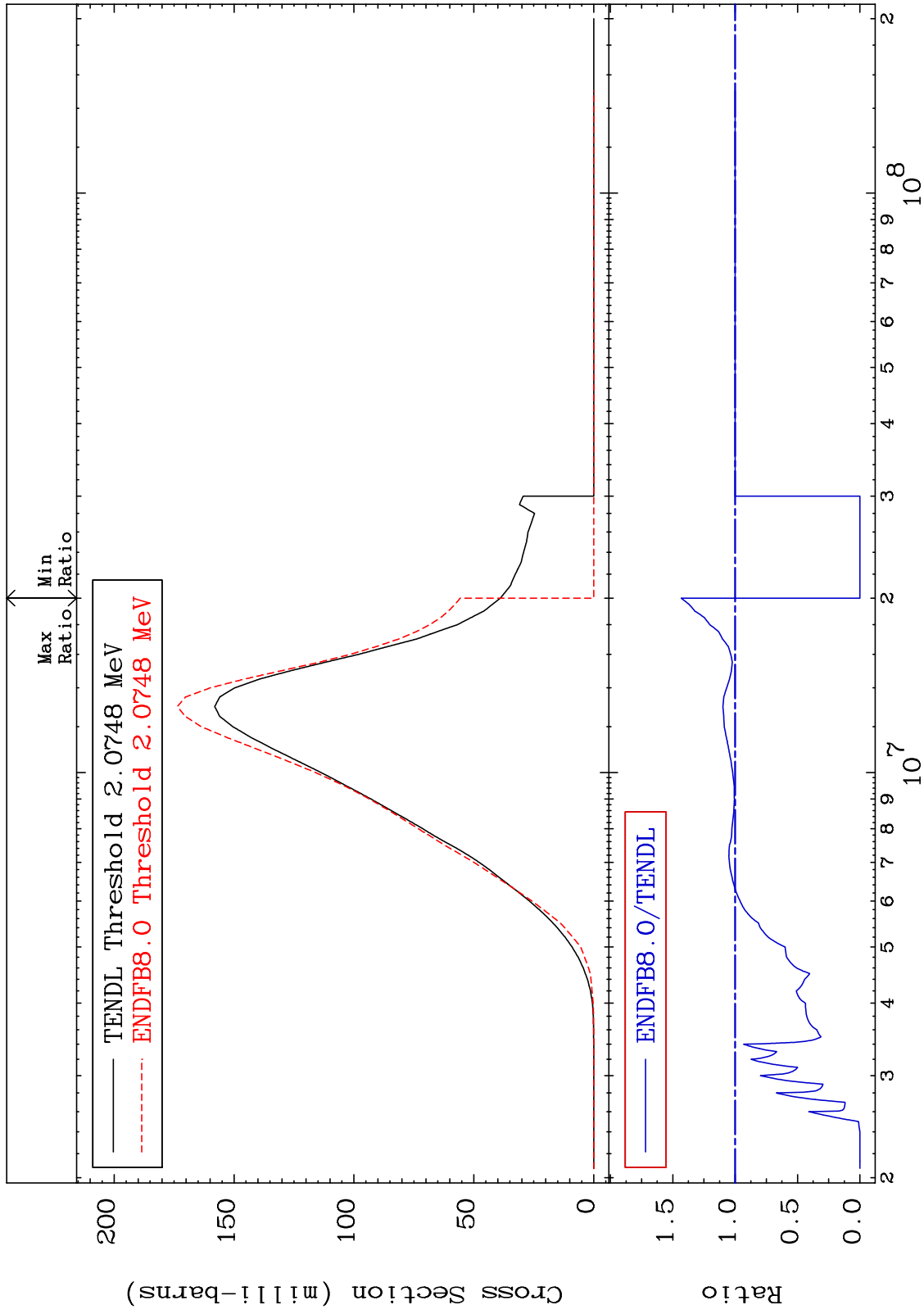
MAT 2831

(n, p)

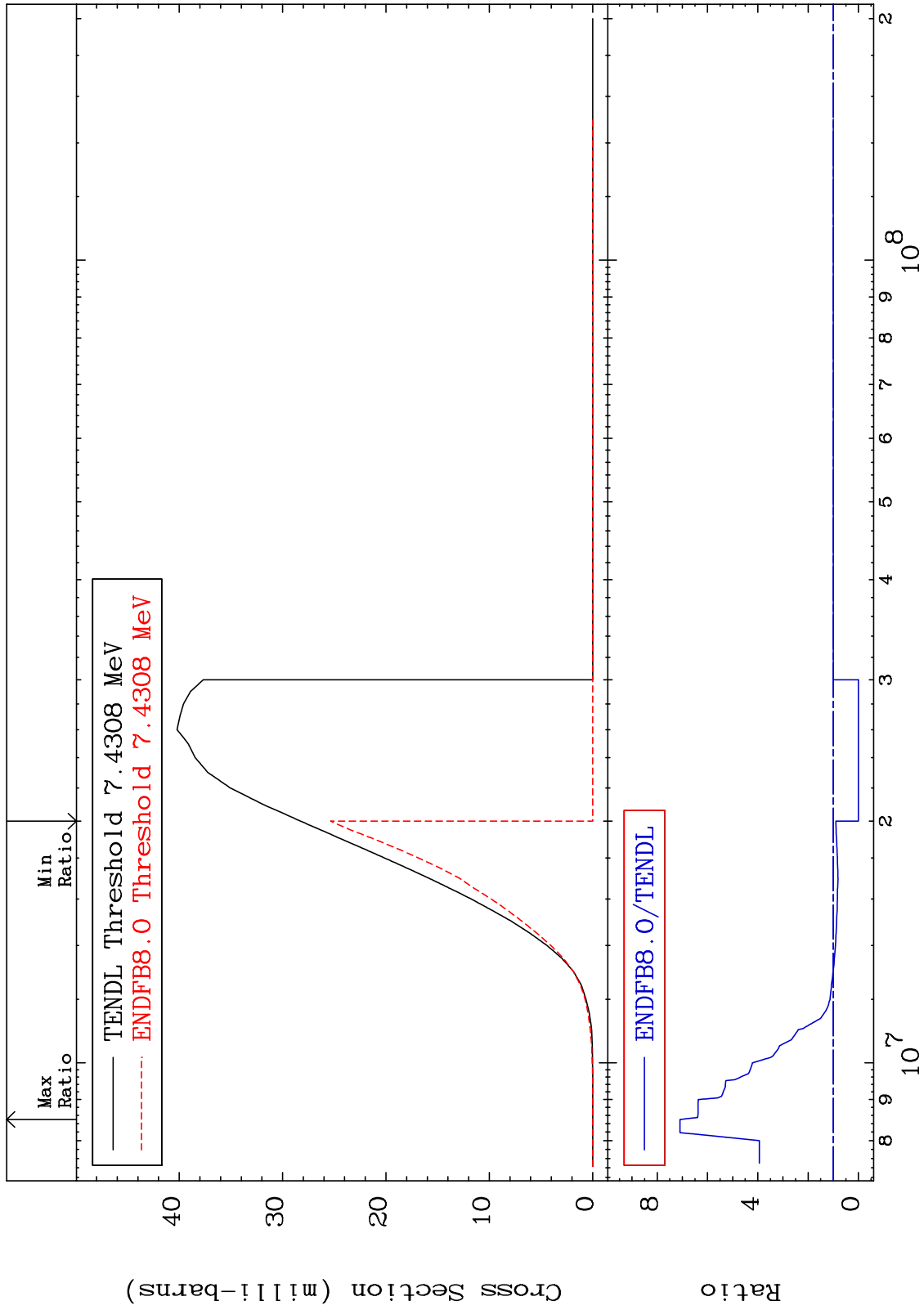
28-Ni-60

Cross Section

-100.0 To 43.24 %

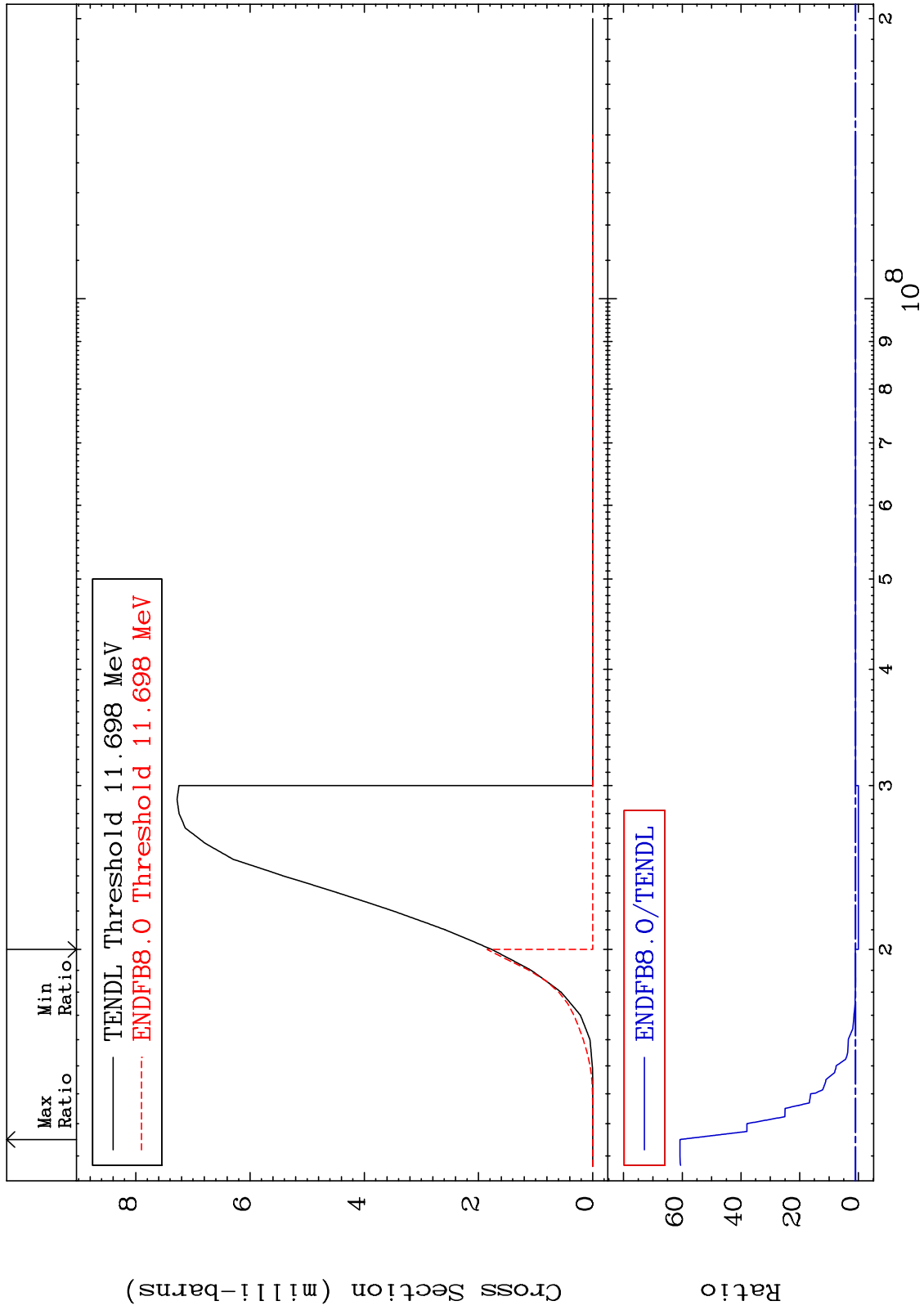


MAT 2831 (n,d) Cross Section 28-Ni-60 -100.0 To 609.3 %



40 28-Ni-60

MAT 2831 (n, t) Cross Section 28-Ni-60 -100.0 To 5977. %



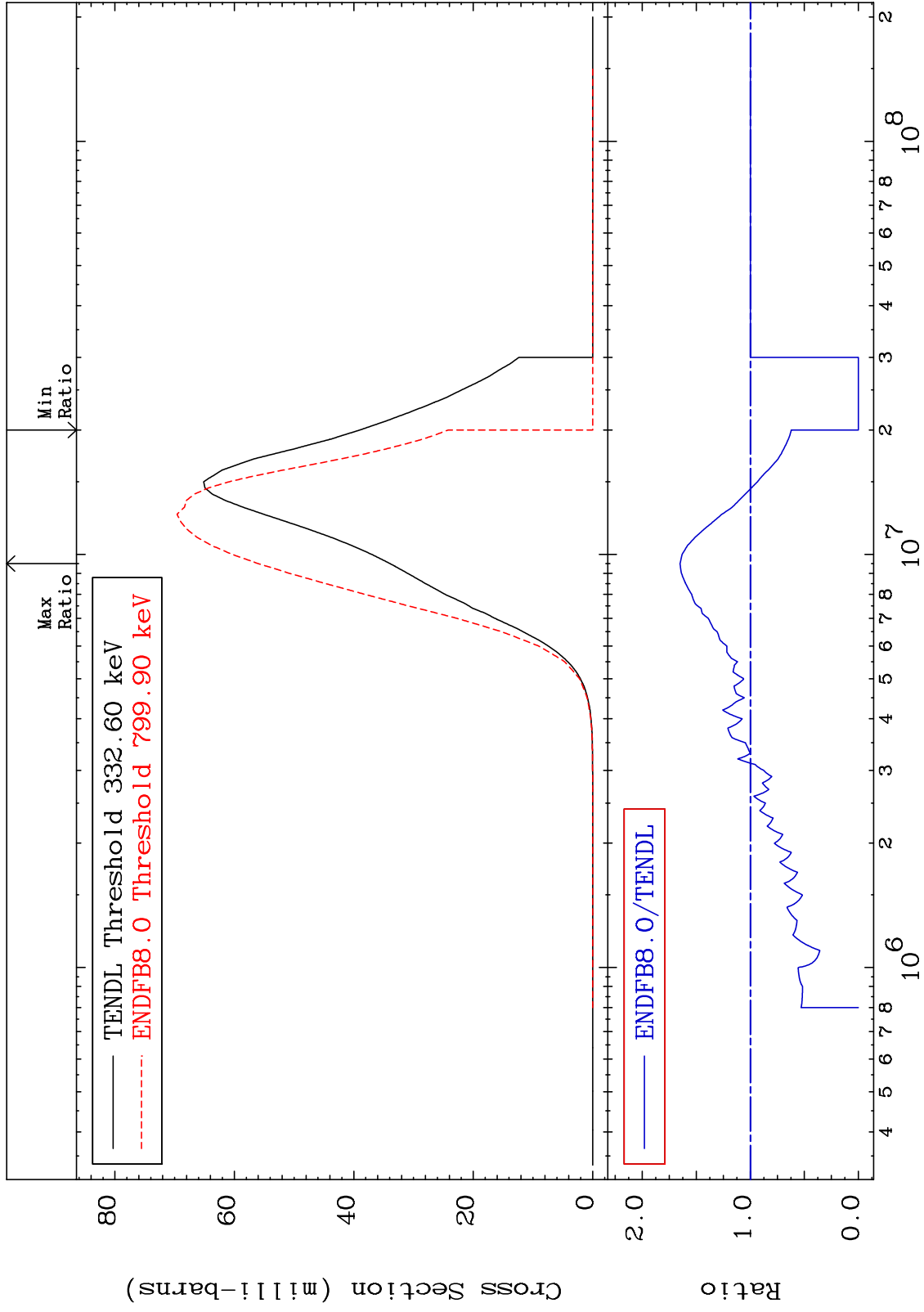
MAT 2831

(n, α)

28-Ni-60

Cross Section

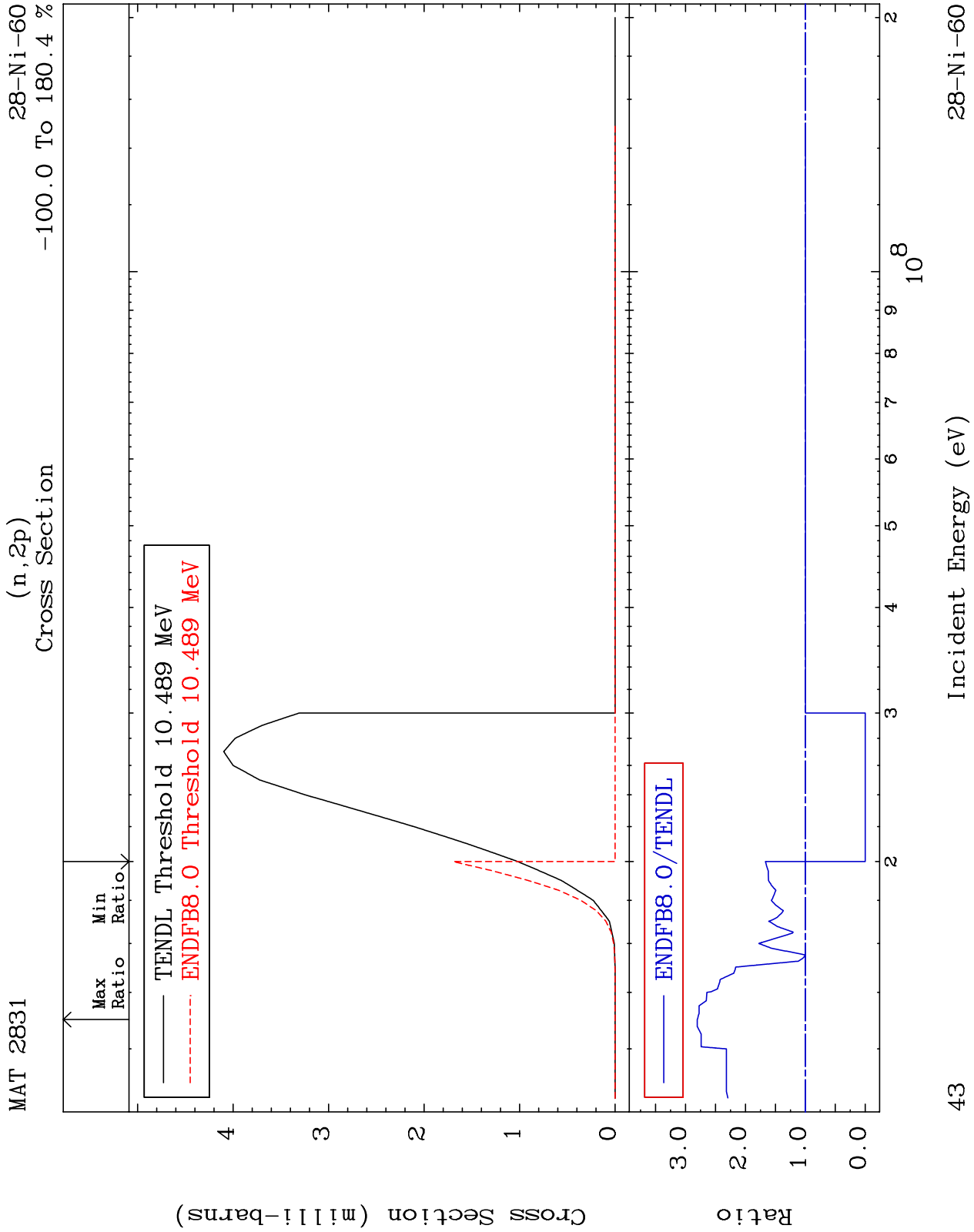
-100.0 To 65.08 %



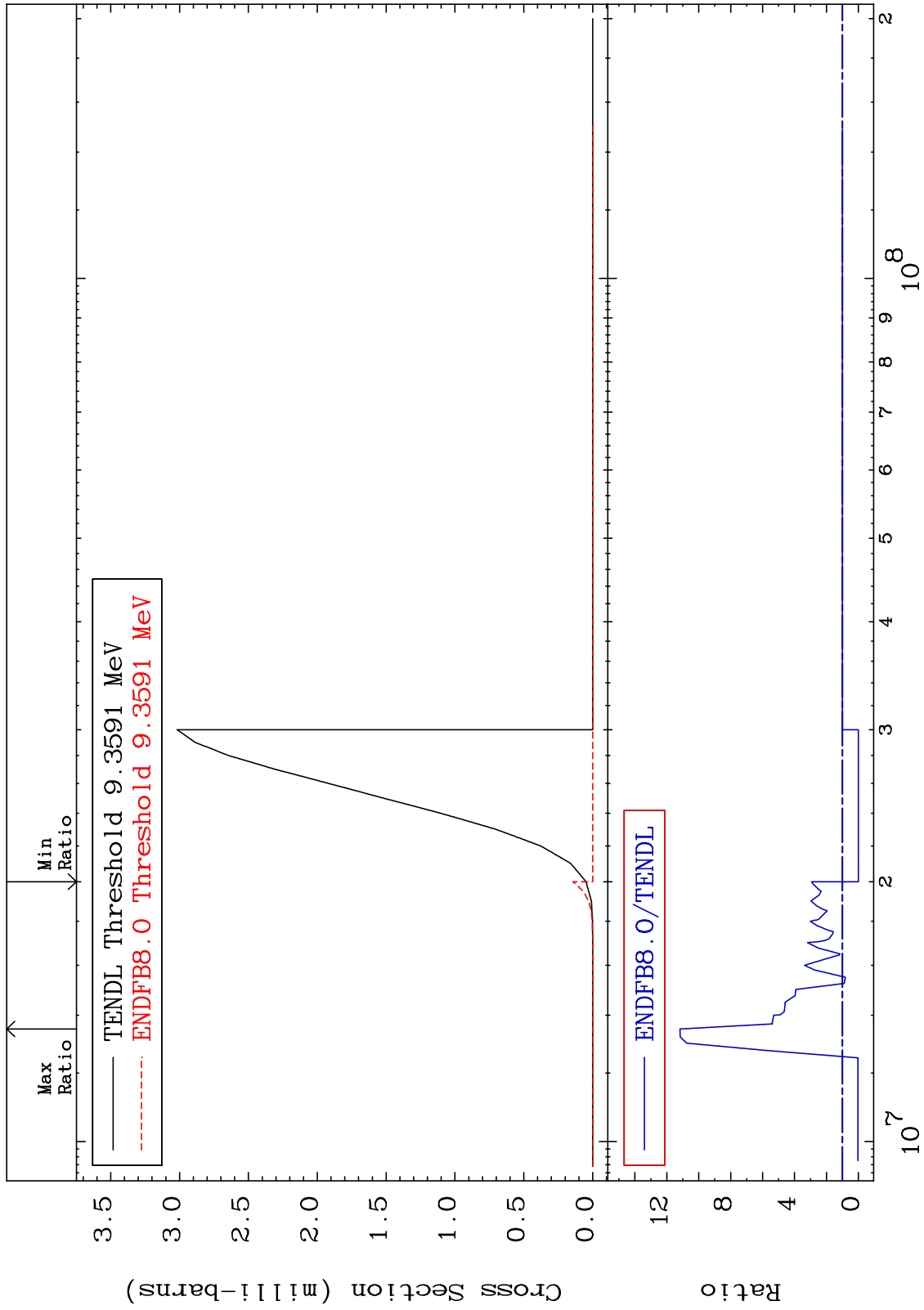
42

Incident Energy (eV)

28-Ni-60



MAT 2831 (n,p) α 28-Ni-60
 Cross Section -100.0 To 1017. %

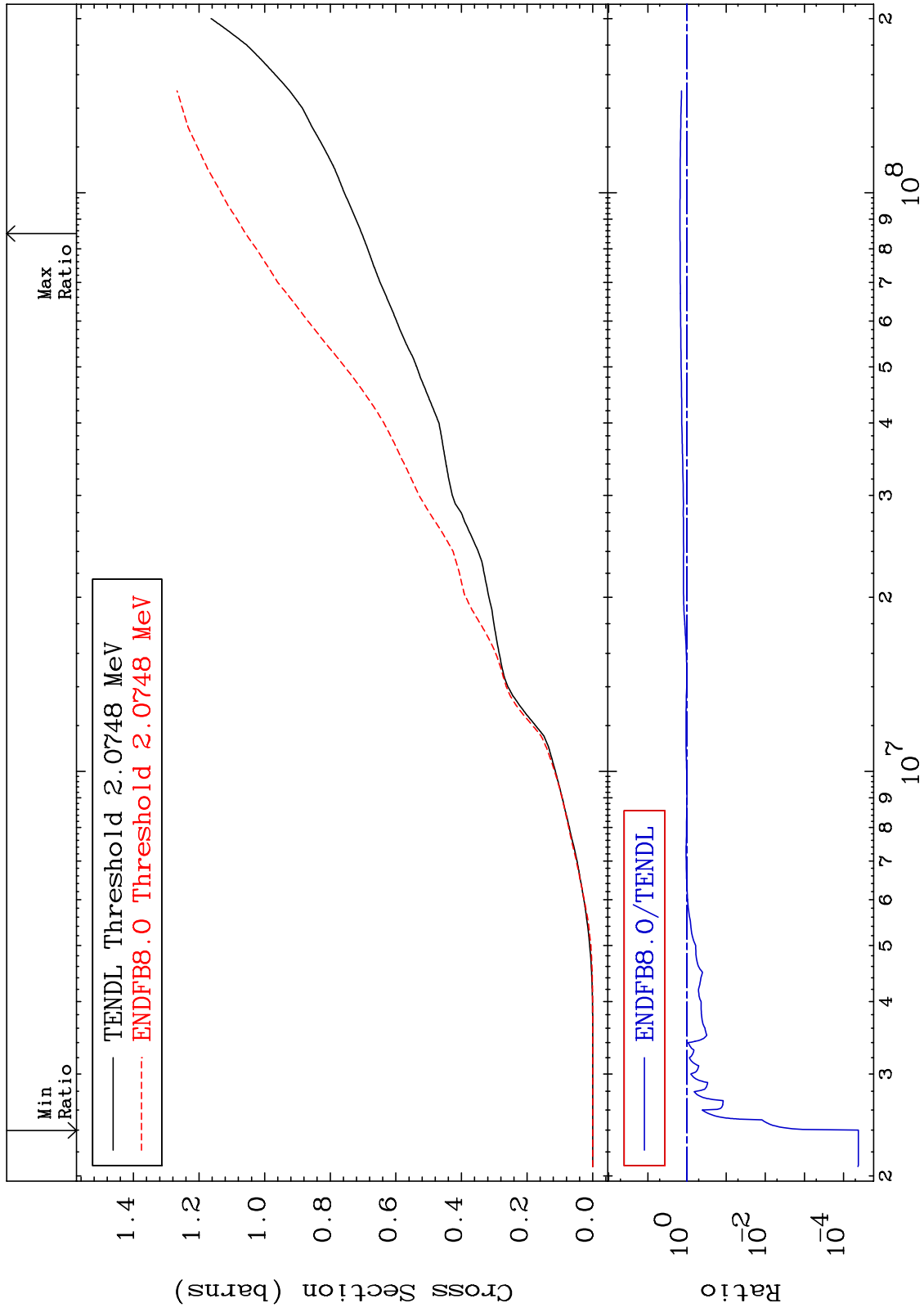


44 28-Ni-60 Incident Energy (eV)

MAT 2831

Hydrogen Production
Cross Section

28-Ni-60
-100.0 To 50.34 %



45

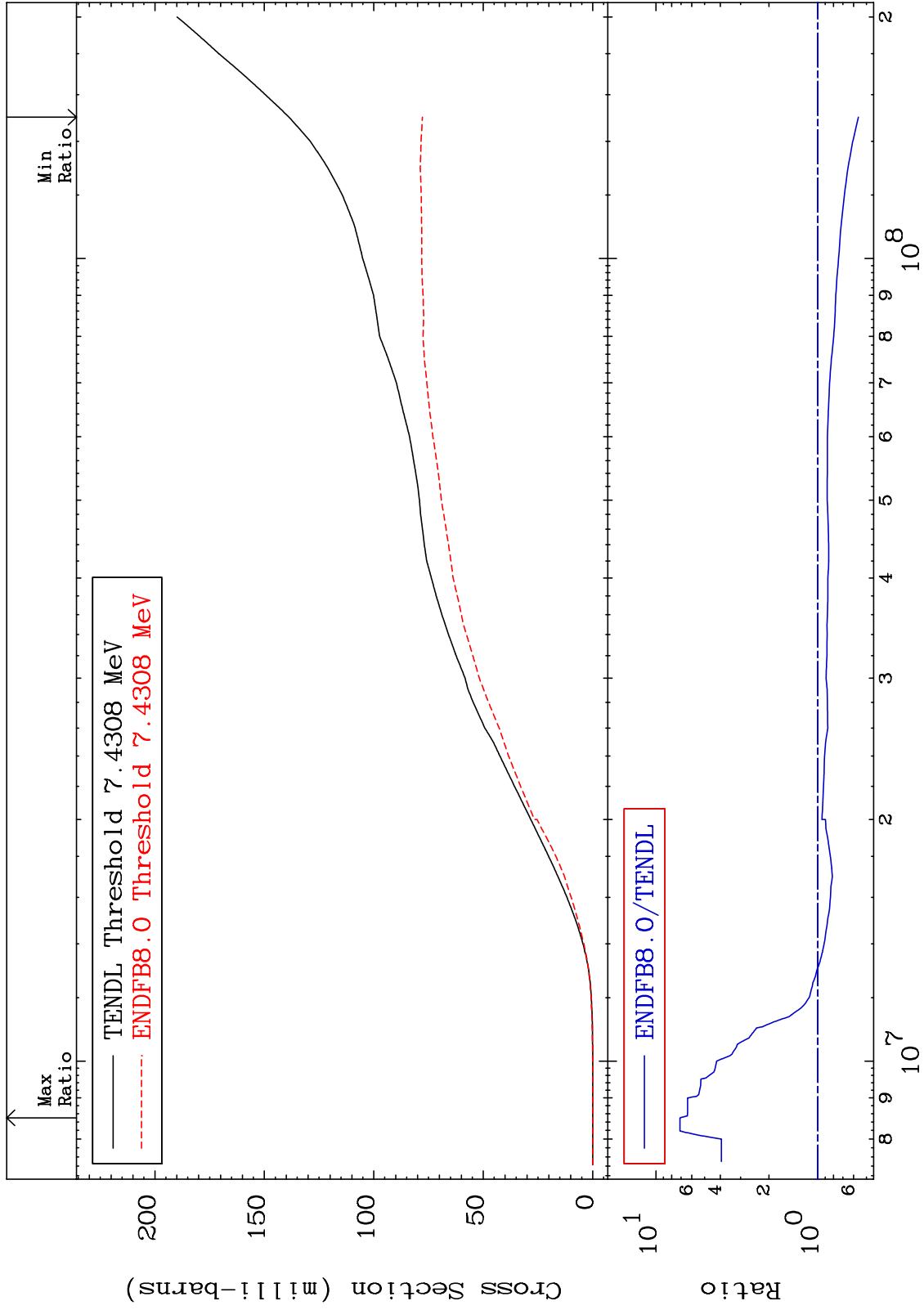
Incident Energy (eV)

28-Ni-60

MAT 2831

Deuterium Production
Cross Section

28-Ni-60
-43.92 To 609.3 %



46

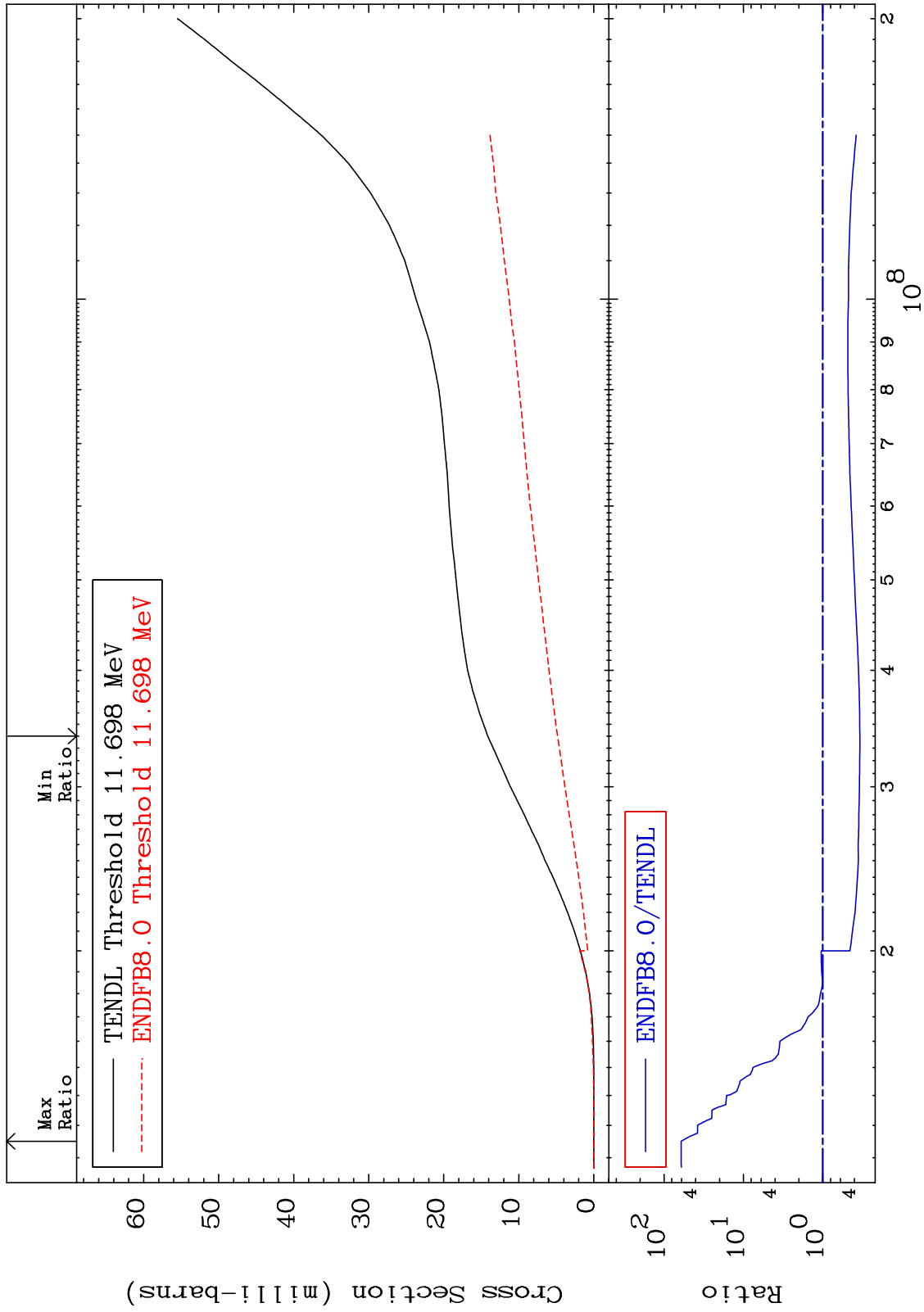
Incident Energy (eV)

28-Ni-60

MAT 2831

Tritium Production
Cross Section

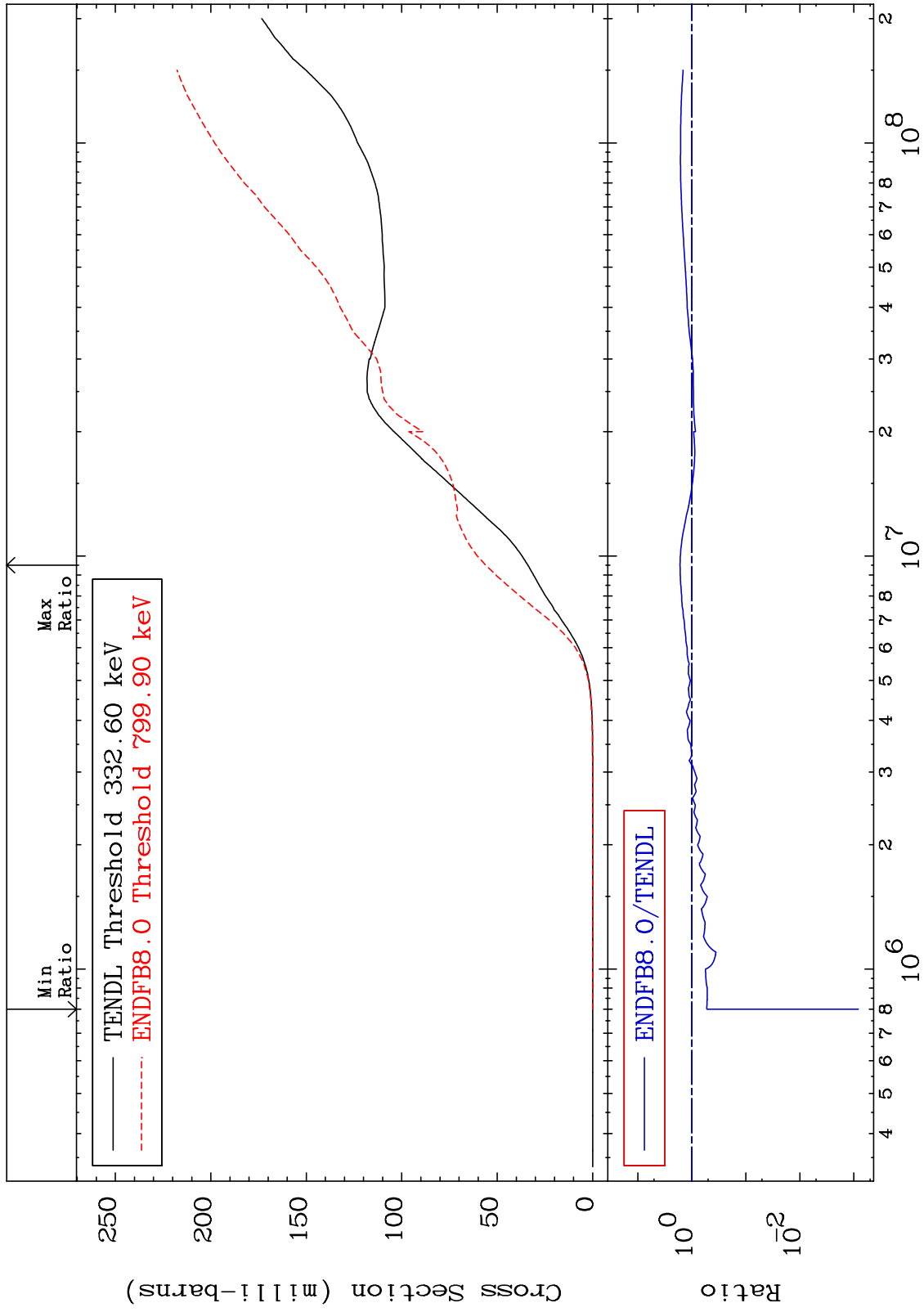
28-Ni-60
-65.93 To 5977. %



MAT 2831

He-4 Production
Cross Section

28-Ni-60
-99.92 To 65.08 %



48

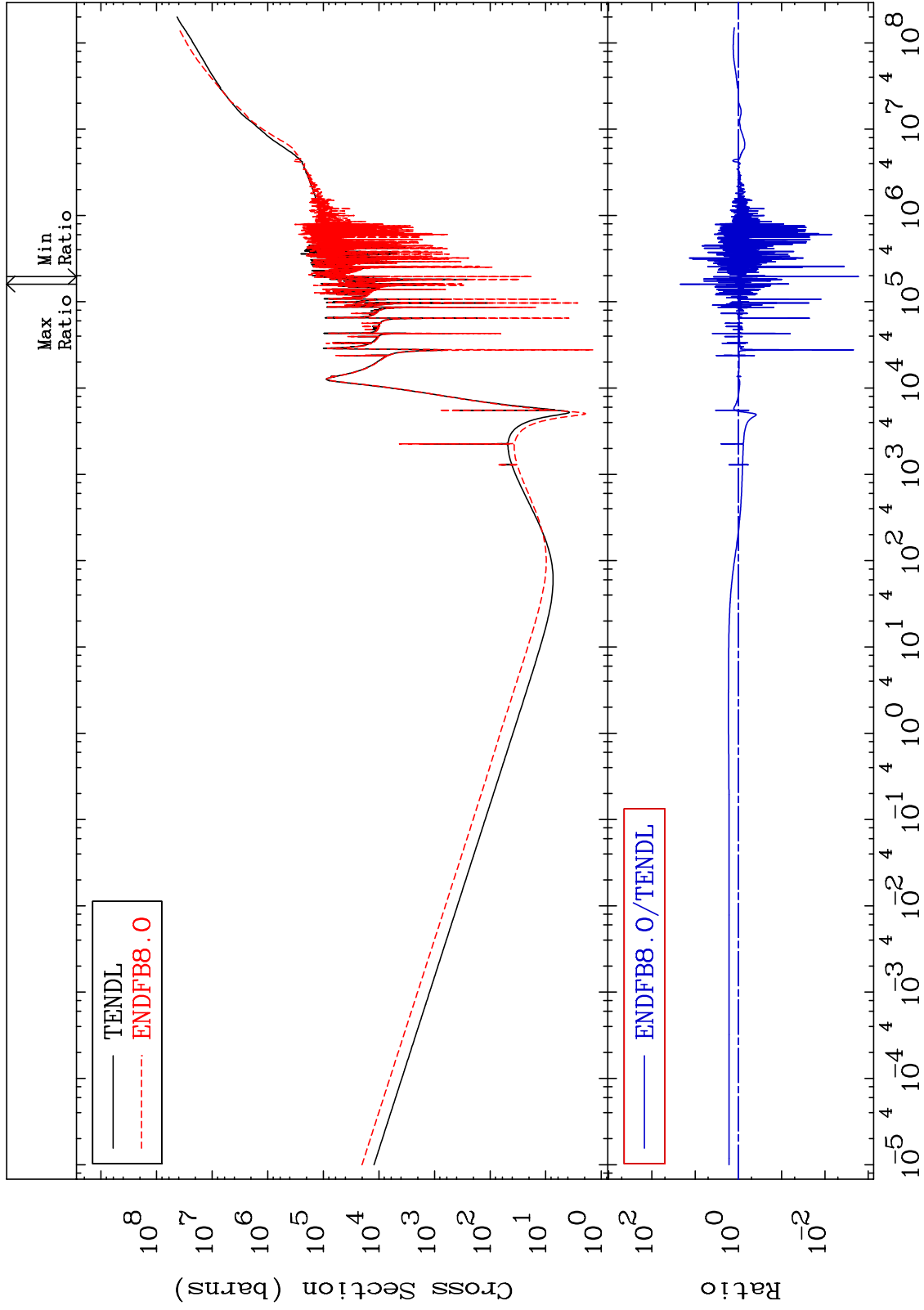
Incident Energy (eV)

28-Ni-60

MAT 2831

Kerma total (eV-barns)
Cross Section

28-Ni-60
-99.83 To 2135. %



49

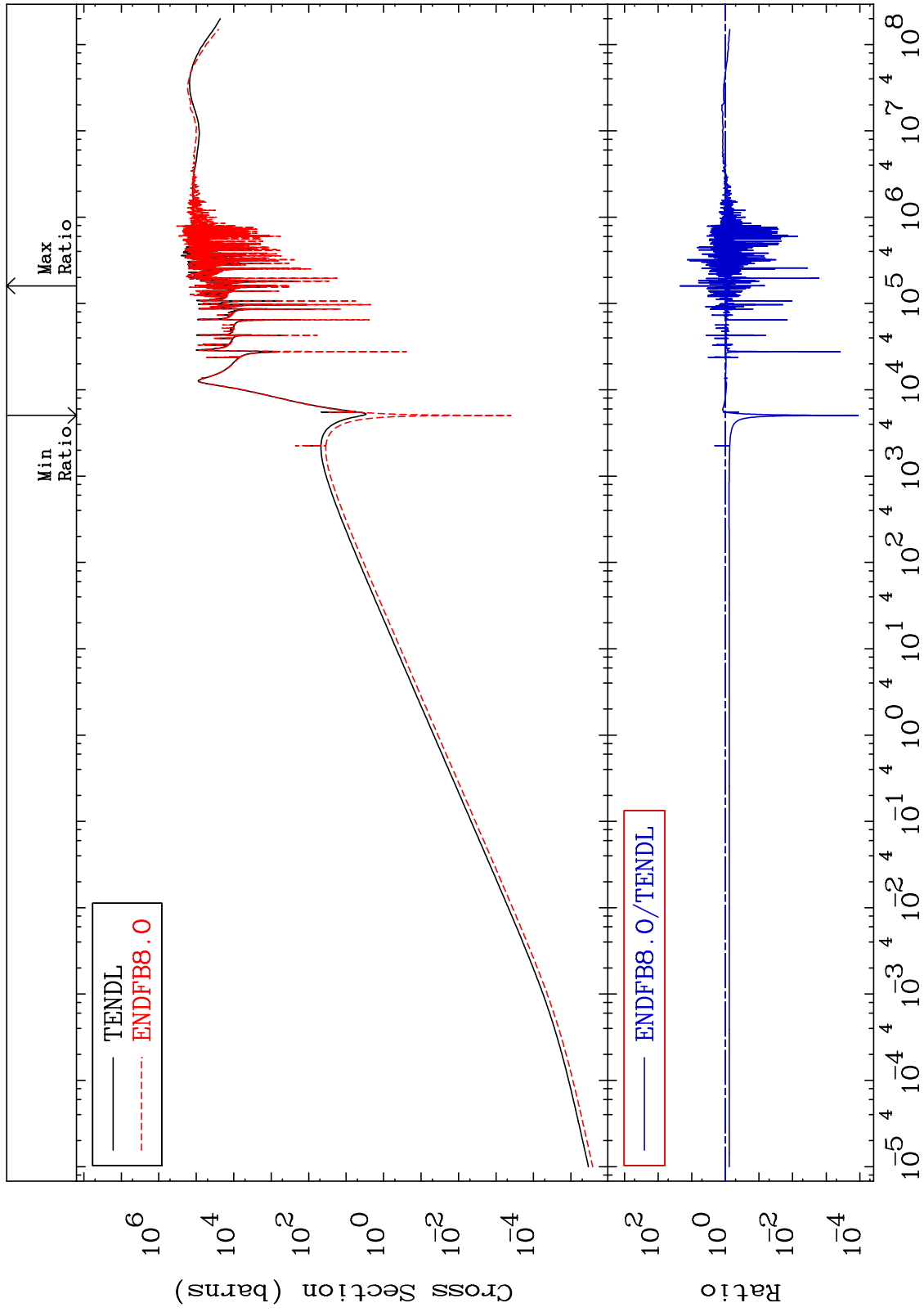
Incident Energy (eV)

28-Ni-60

MAT 2831

Kerma elastic
Cross Section

28-Ni-60
-99.99 To 2134. %



50

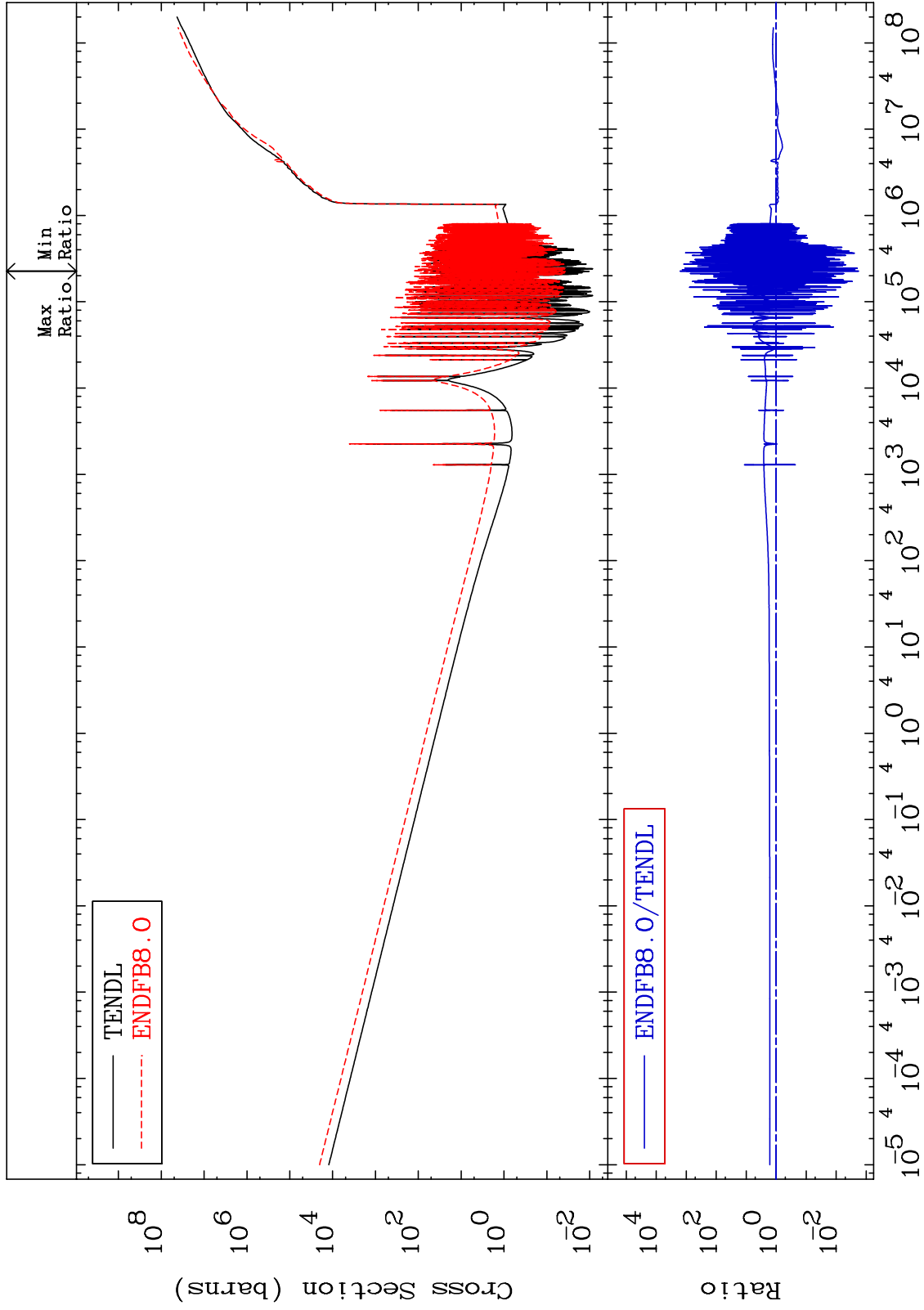
Incident Energy (eV)

28-Ni-60

MAT 2831

Kerma non-elastic (all but mt2)
Cross Section

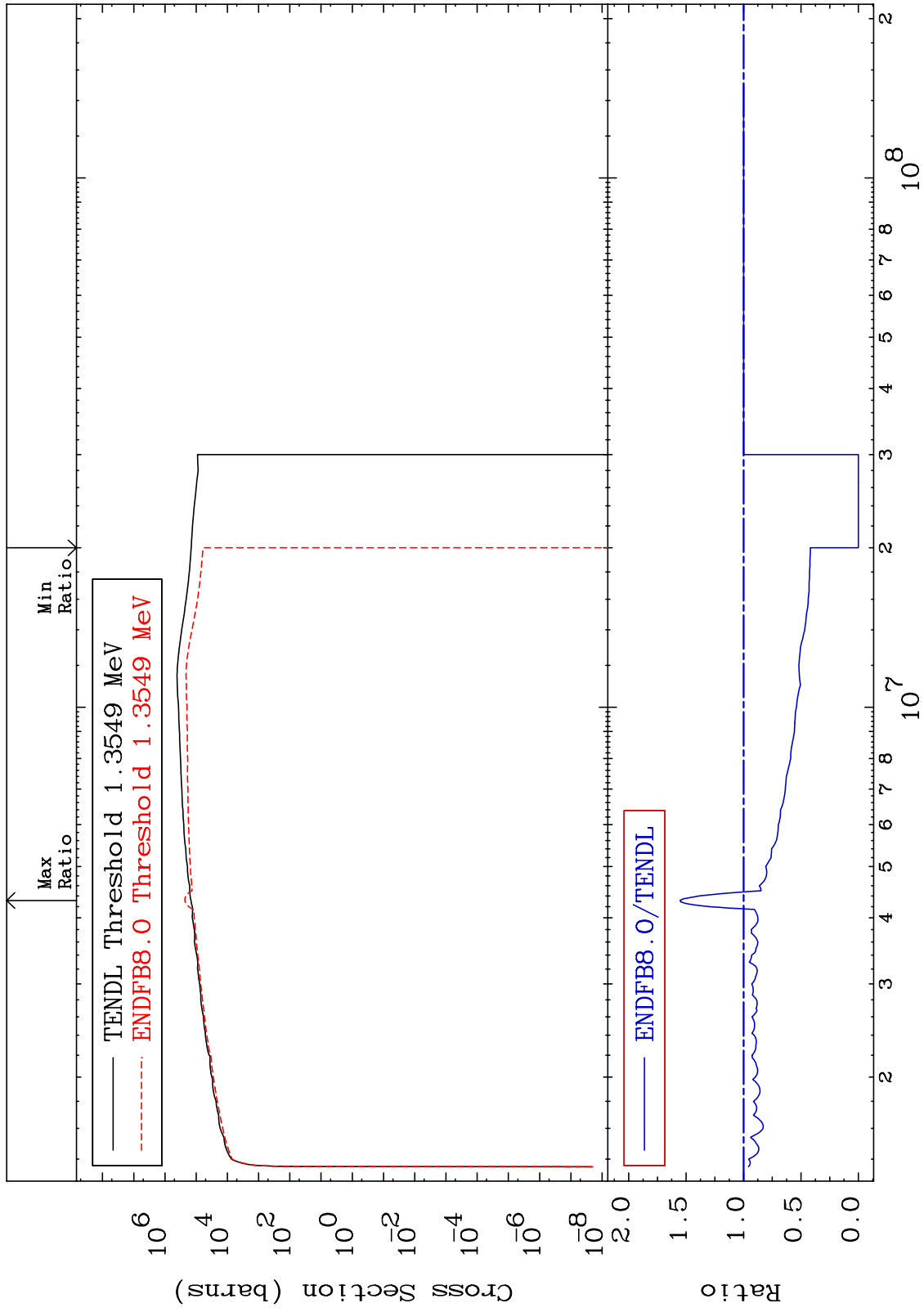
28-Ni-60
-99.82 To 9999. %



MAT 2831

Kerma inelastic (mt51-91)
Cross Section

28-Ni-60
-100.0 To 55.30 %



52

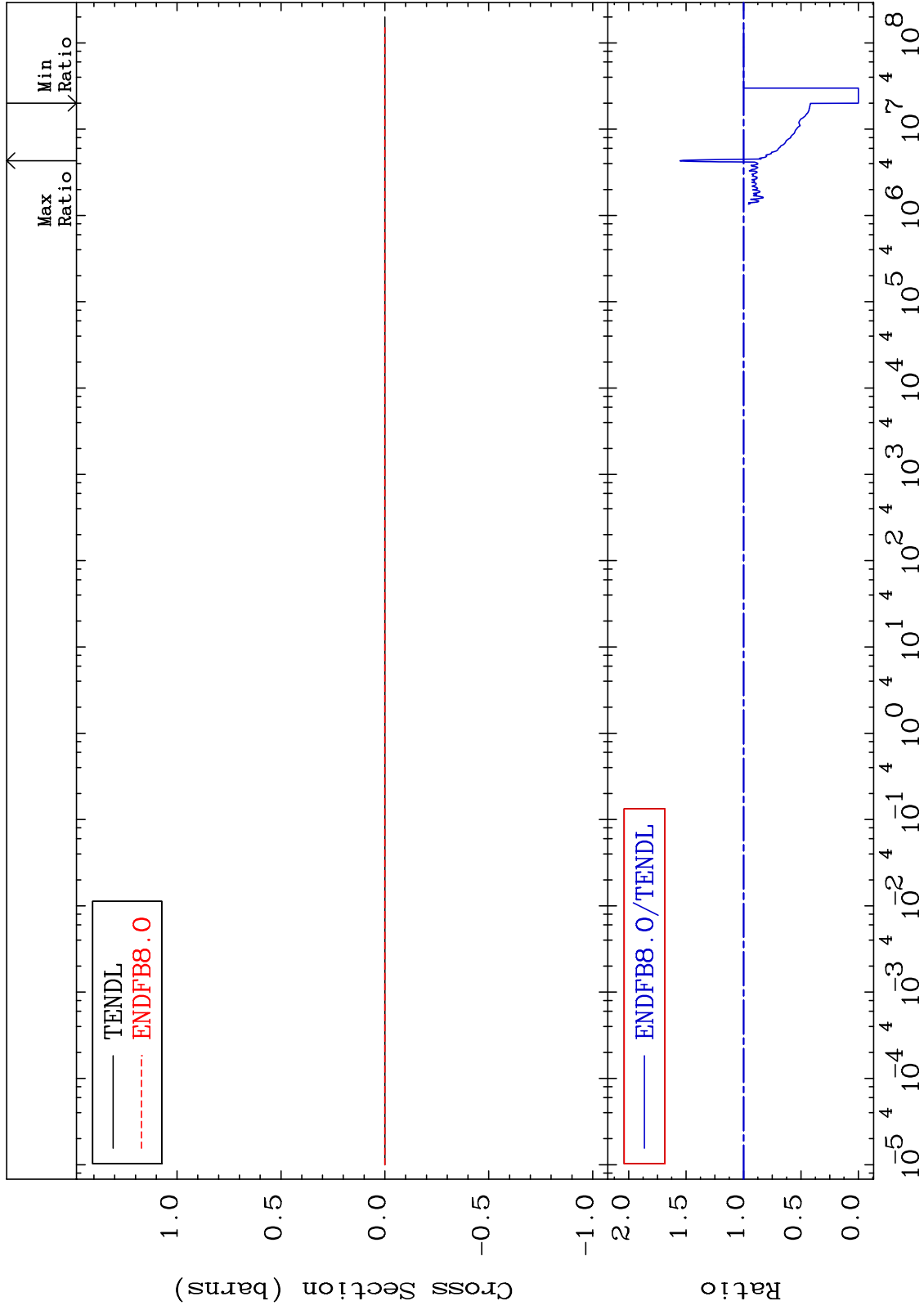
Incident Energy (eV)

28-Ni-60

MAT 2831

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

28-Ni-60
-100.0 To 55.30 %



53

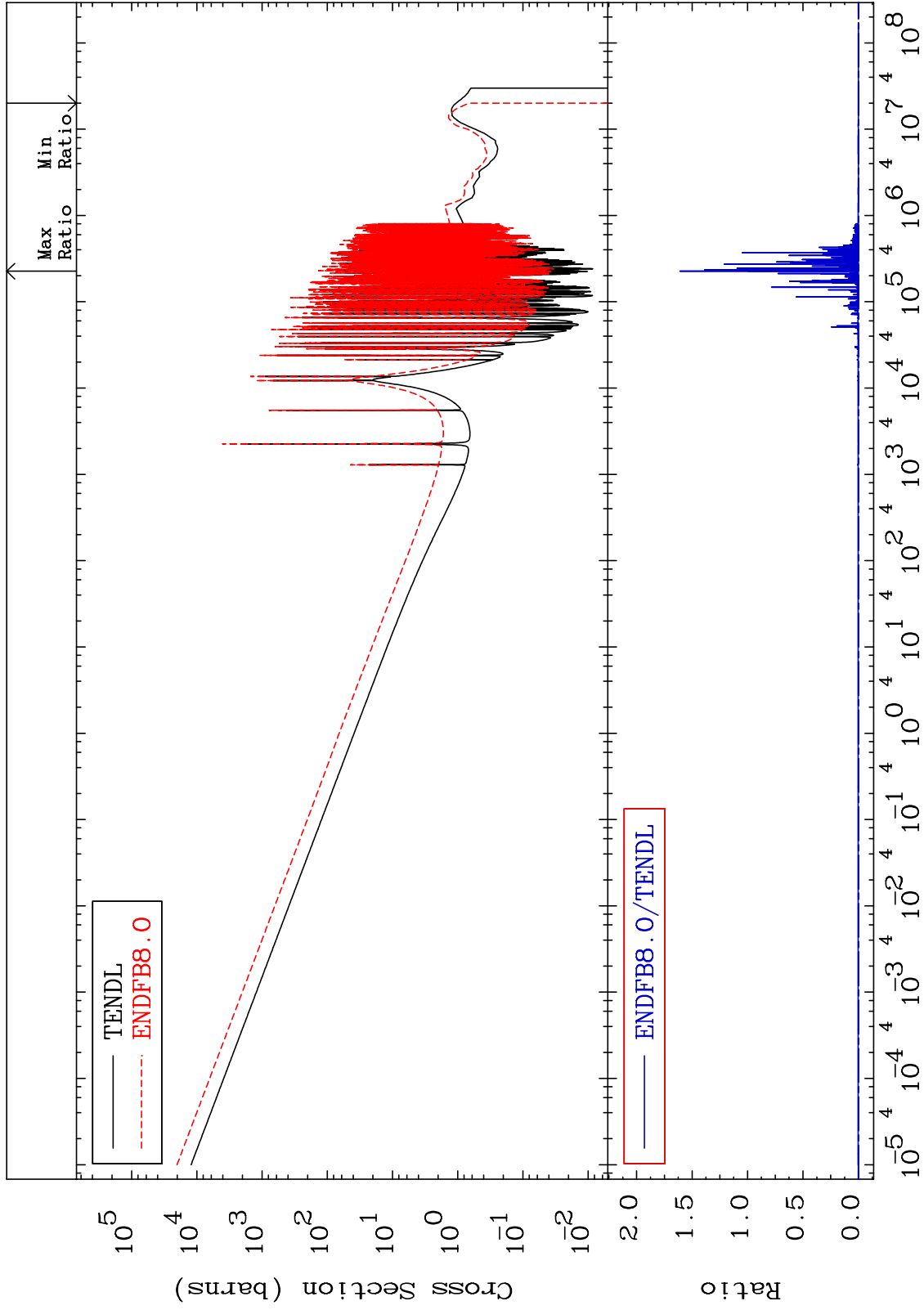
Incident Energy (eV)

28-Ni-60

MAT 2831

Kerma capture (mt102)
Cross Section

28-Ni-60
-100.0 To 9999. %



54

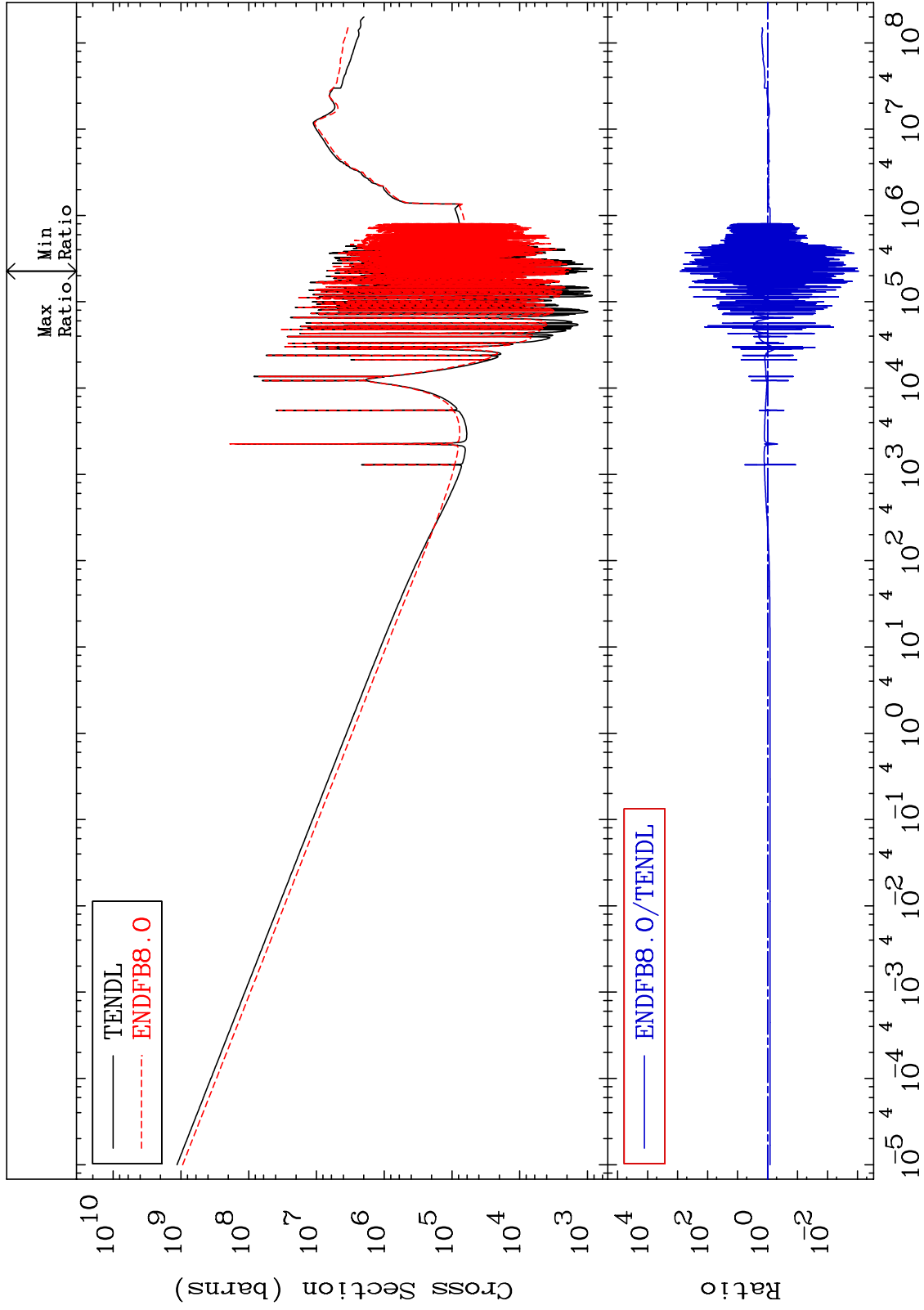
Incident Energy (eV)

28-Ni-60

MAT 2831

Total photon (eV-barns)
Cross Section

28-Ni-60
-99.91 To 9999. %



55

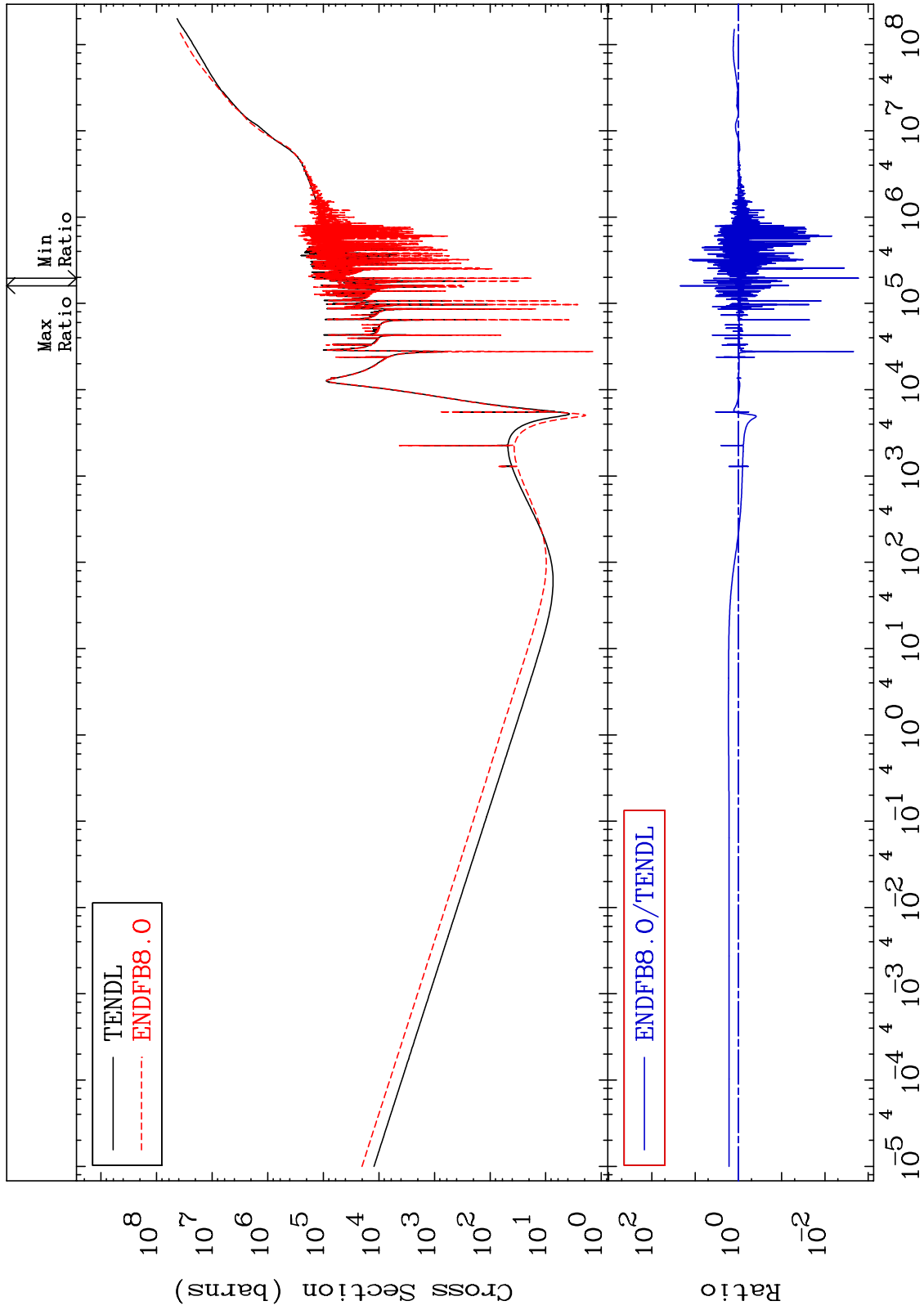
Incident Energy (eV)

28-Ni-60

MAT 2831

Total kinematic kerma (high limit)
Cross Section

28-Ni-60
-99.83 To 2135. %



56

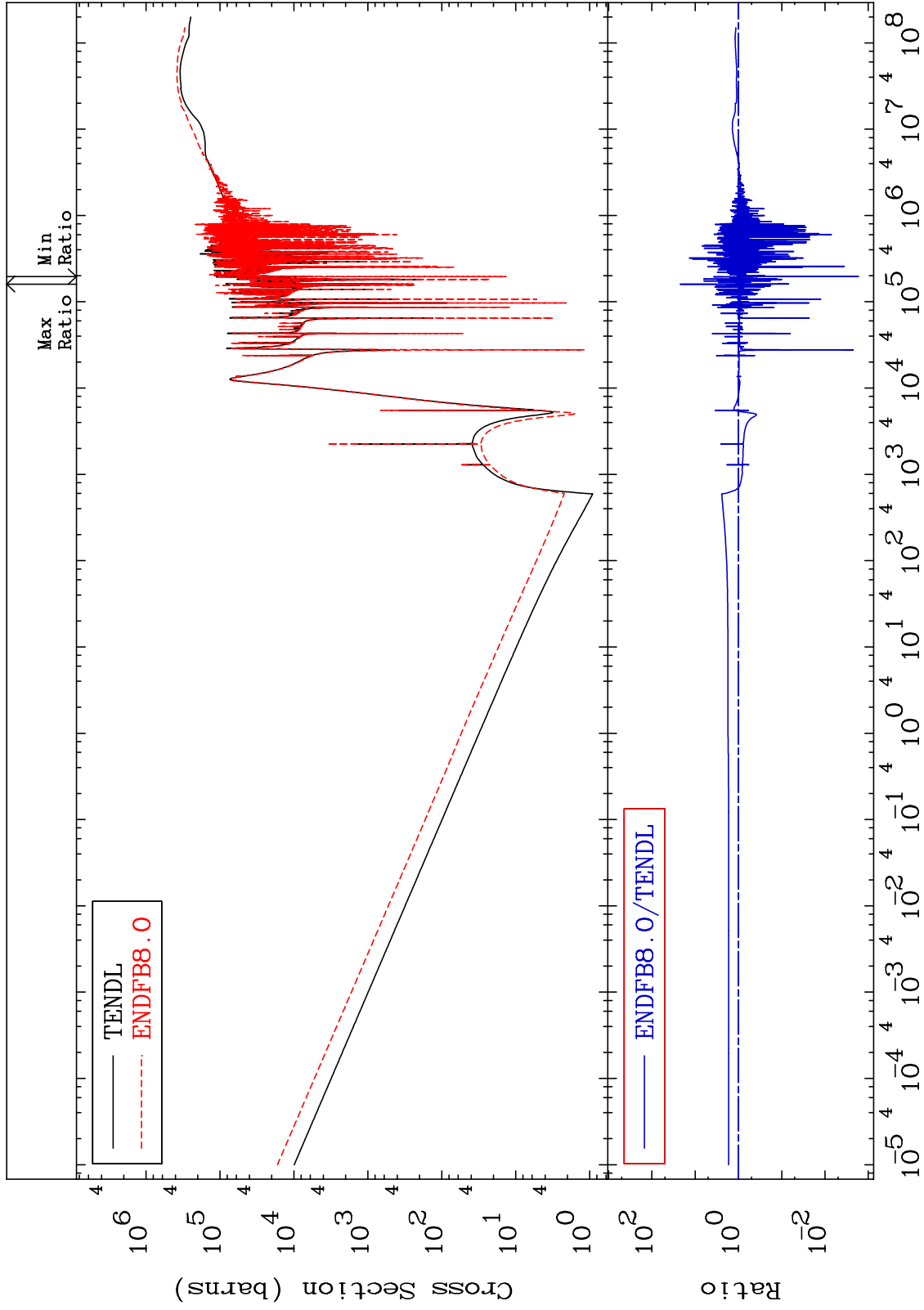
Incident Energy (eV)

28-Ni-60

MAT 2831

Dpa total (eV-barns)
Cross Section

28-Ni-60
-99.83 To 2139. %



57

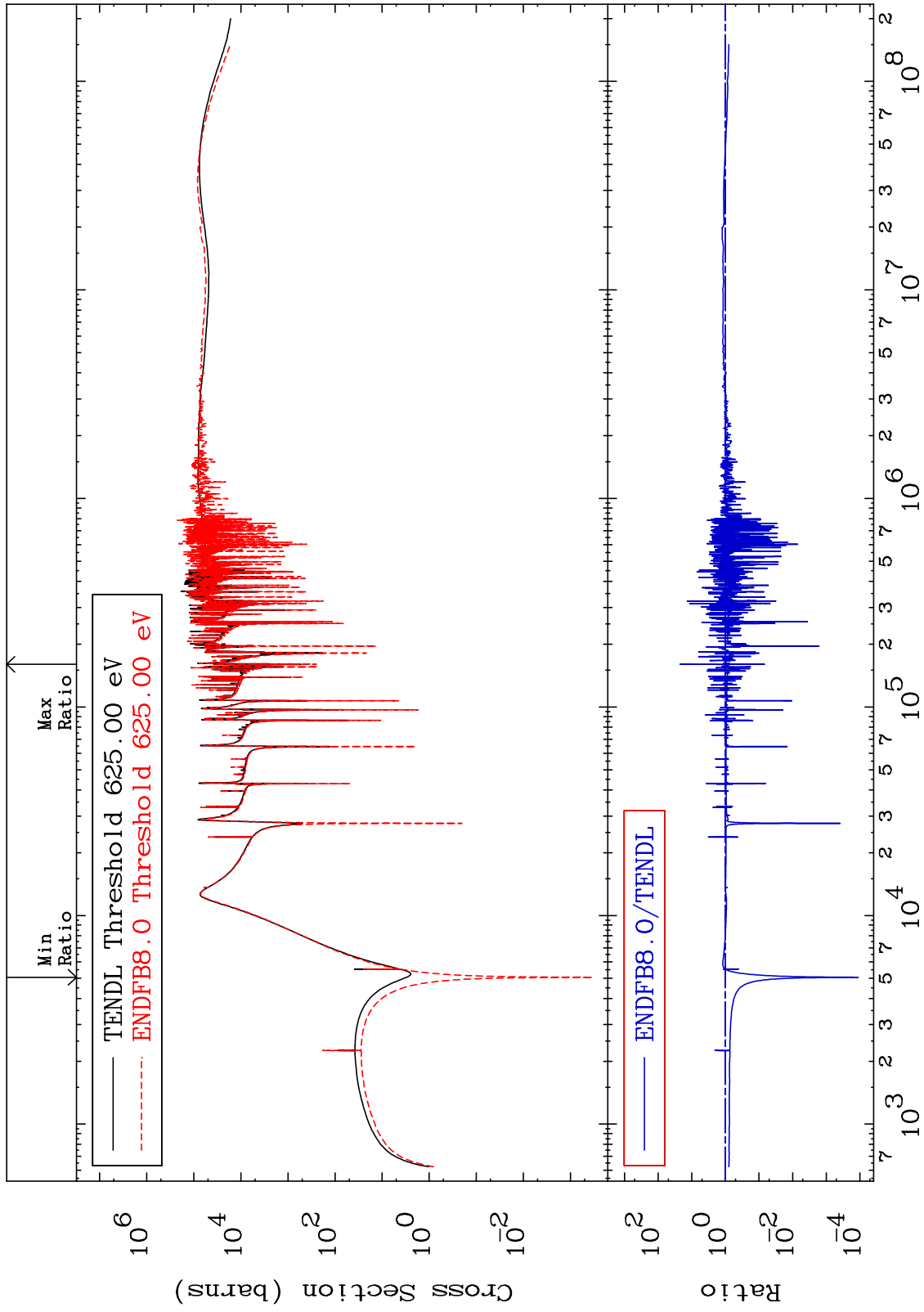
Incident Energy (eV)

28-Ni-60

MAT 2831

Dpa elastic (mt2)
Cross Section

28-Ni-60
-99.99 To 2139. %



58

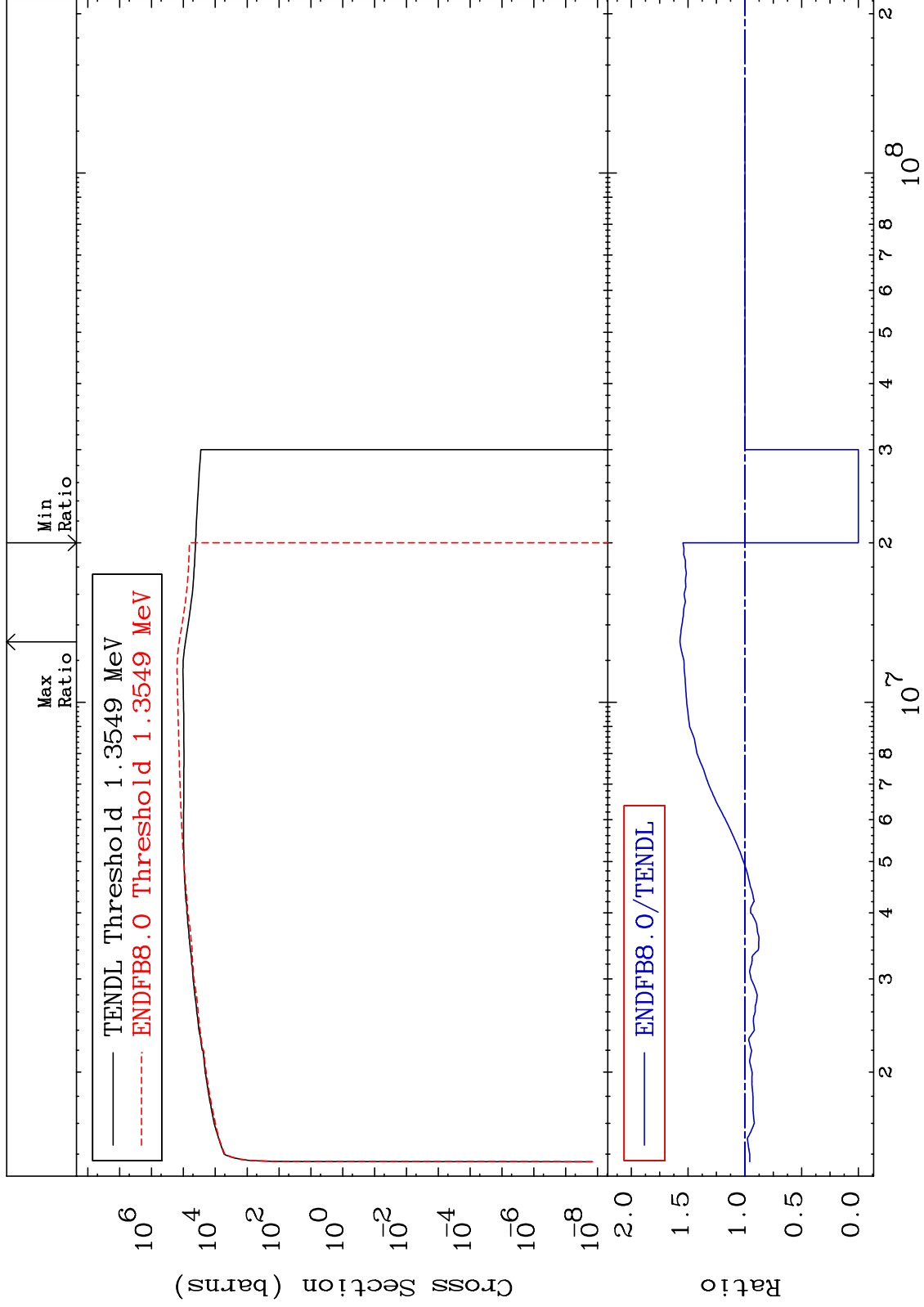
Incident Energy (eV)

28-Ni-60

MAT 2831

Dpa inelastic (mt51-91)
Cross Section

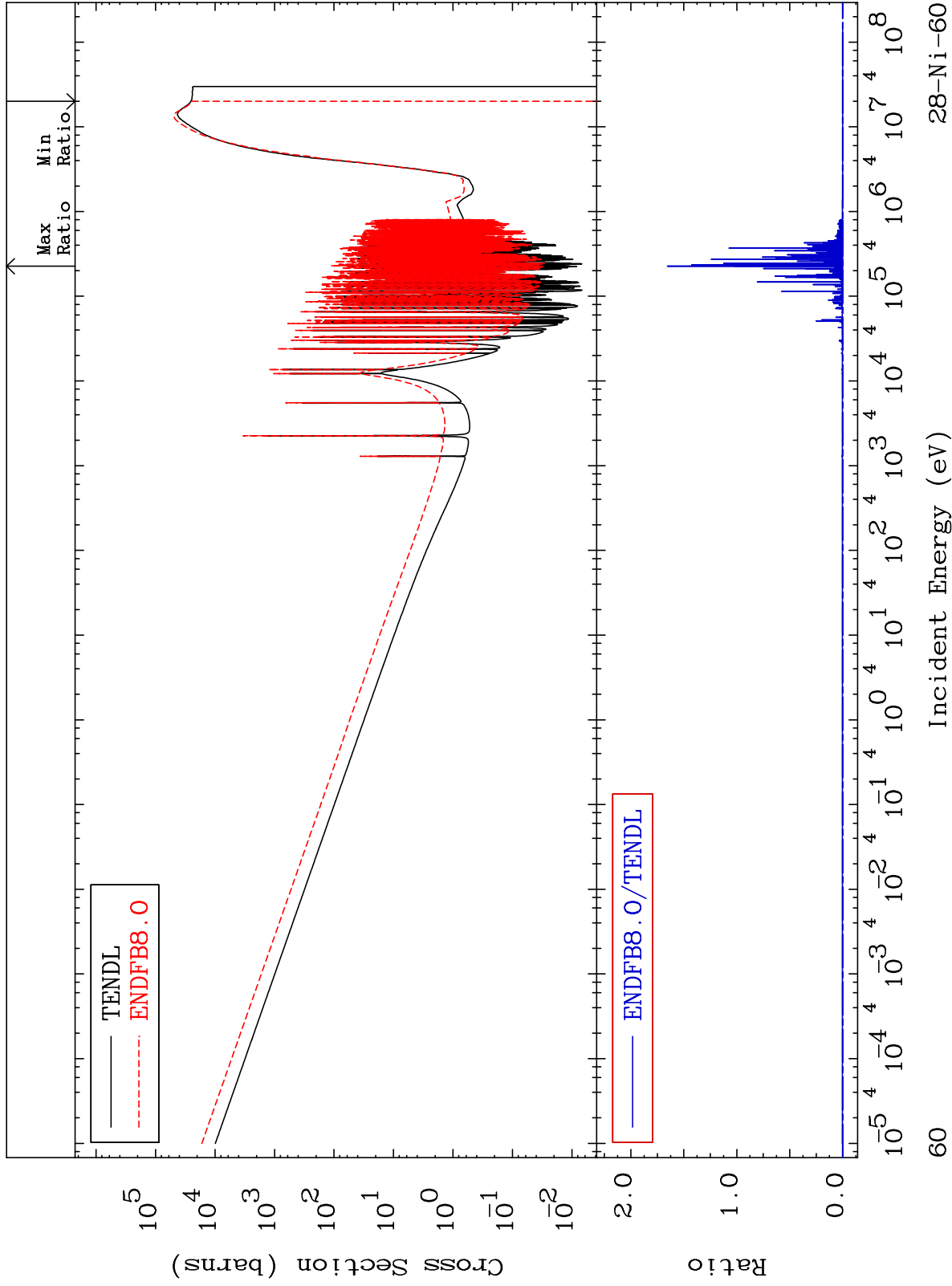
28-Ni-60
-100.0 To 57.09 %



MAT 2831

Dpa disappearance (mt102 -120)
Cross Section

28-Ni-60
-100.0 To 9999. %



60

Incident Energy (eV)

28-Ni-60