

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

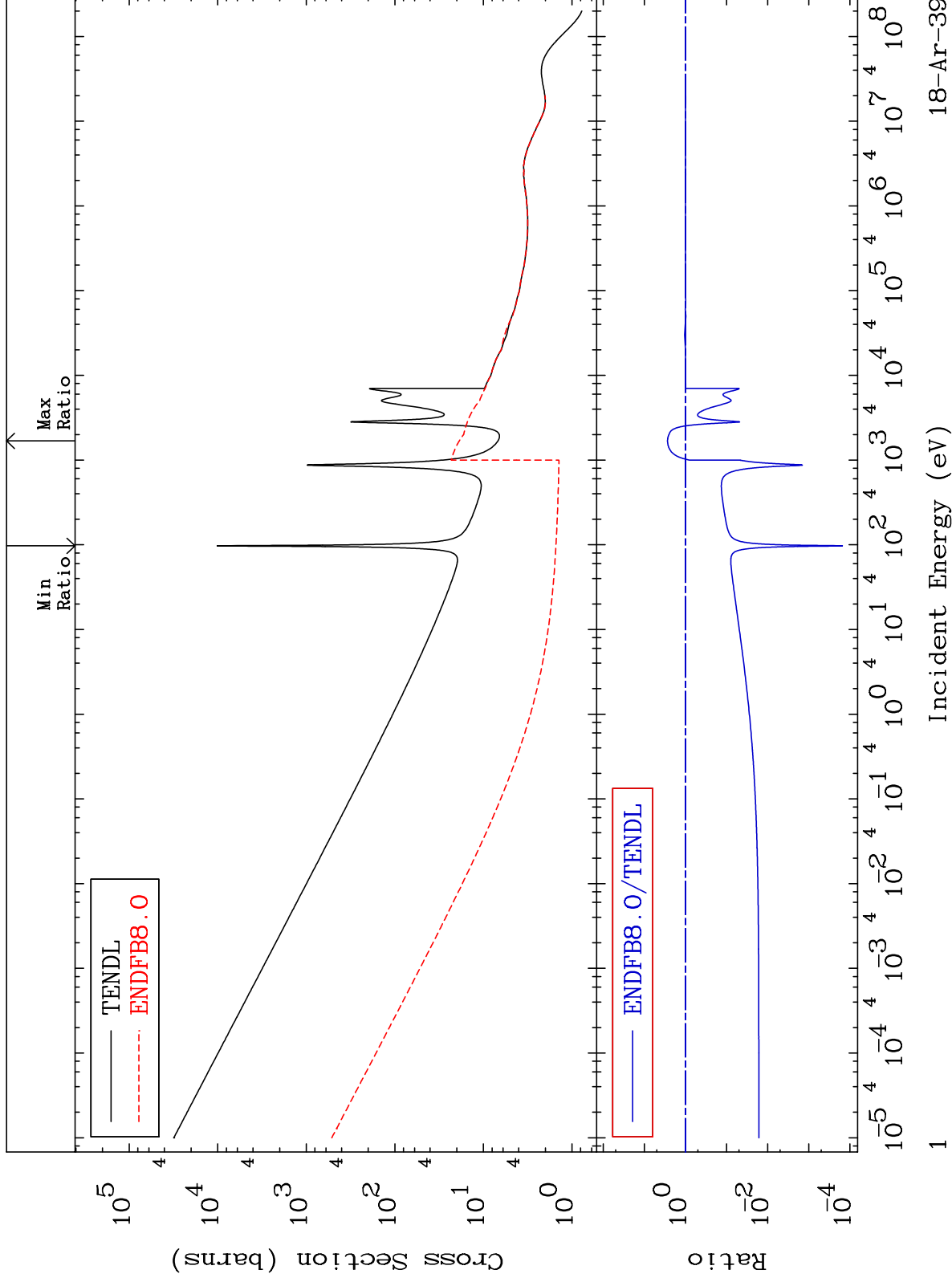
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1834

Total
Cross Section

18-Ar-39
-99.98 To 173.3 %

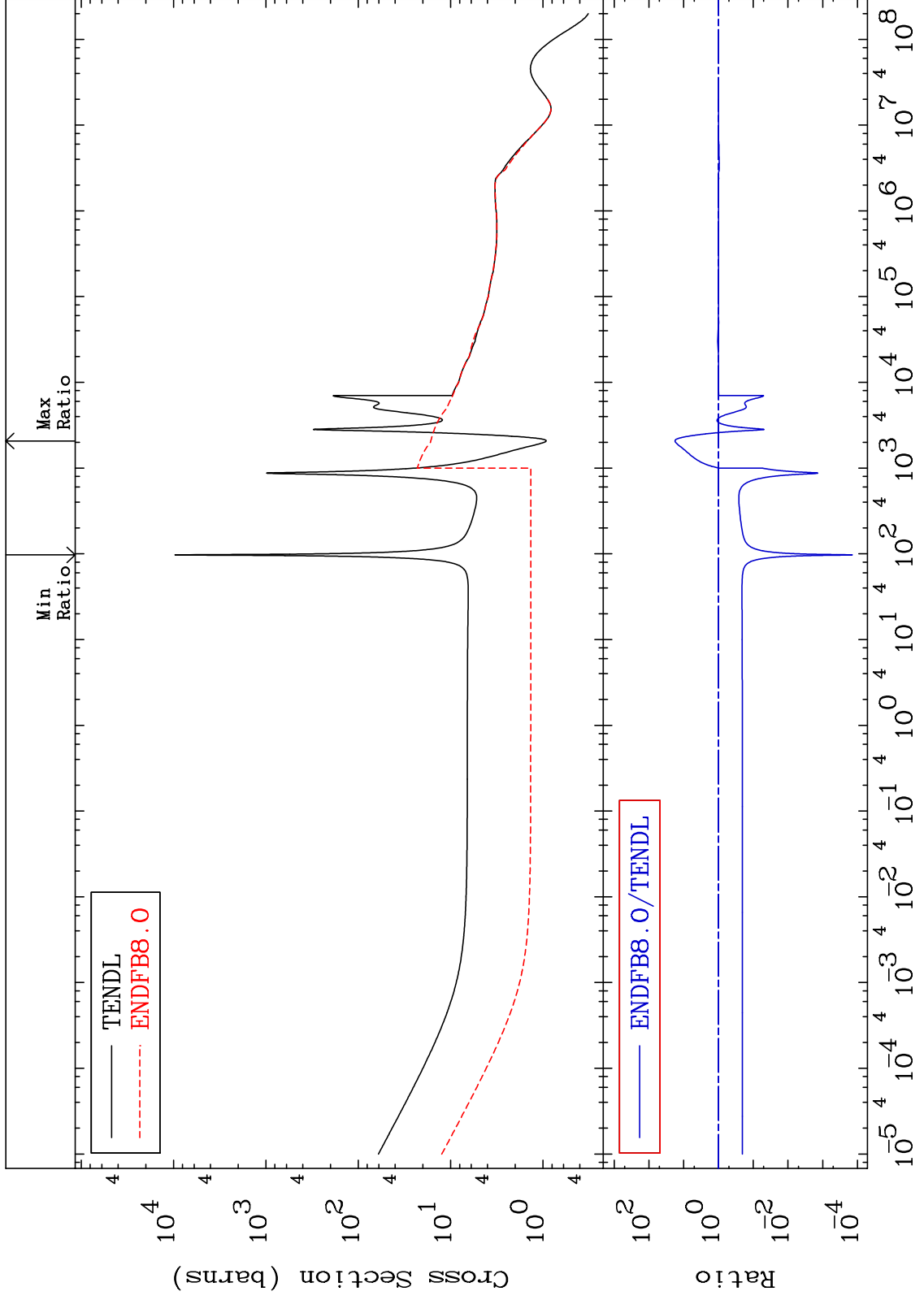


18-Ar-39

MAT 1834

Elastic
Cross Section

18-Ar-39
-99.99 To 1675. %



Incident Energy (eV)

18-Ar-39

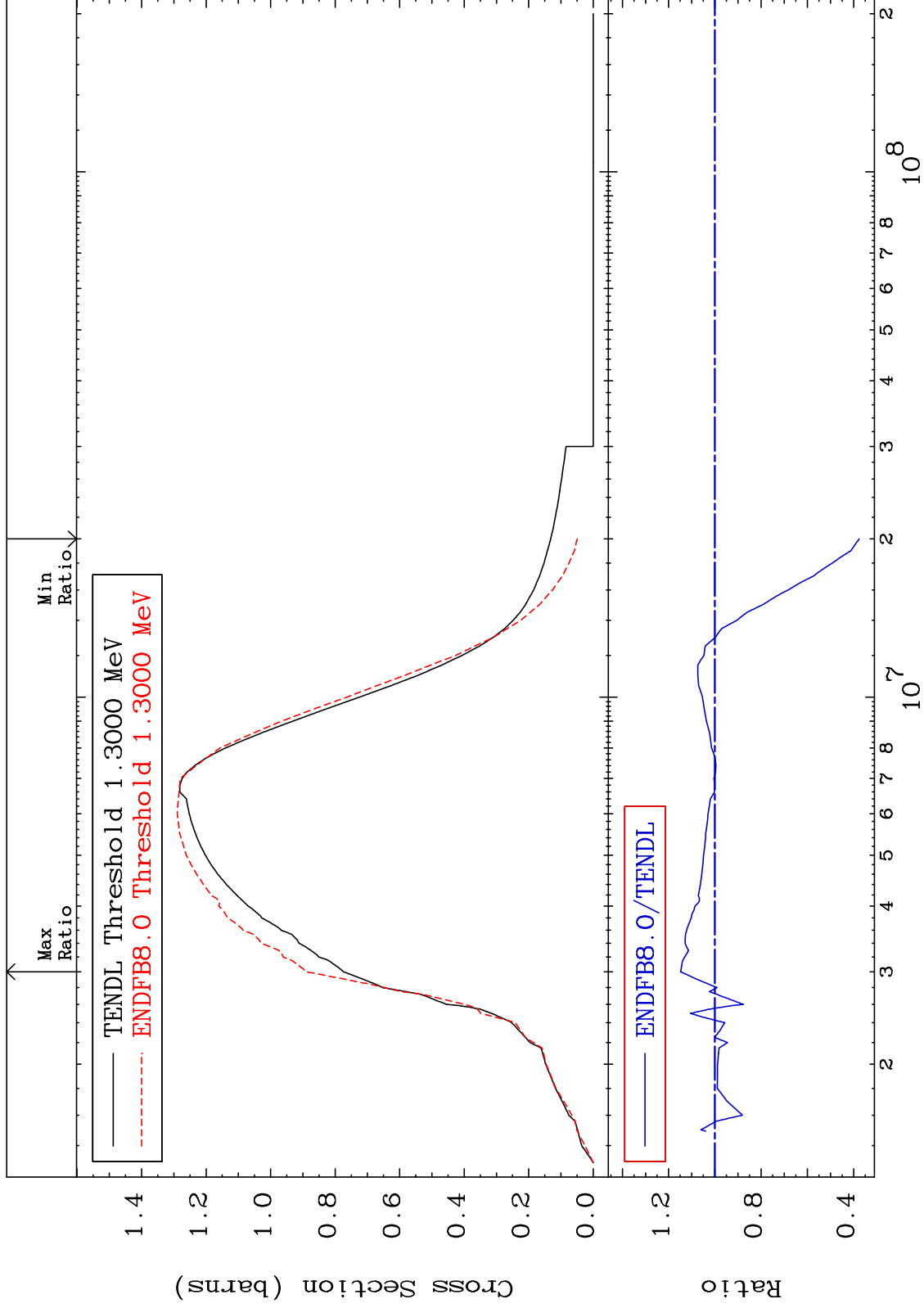
2

MAT 1834

Inelastic
Cross Section

18-Ar-39

-62.40 To 14.82 %



3

18-Ar-39

18-Ar-39

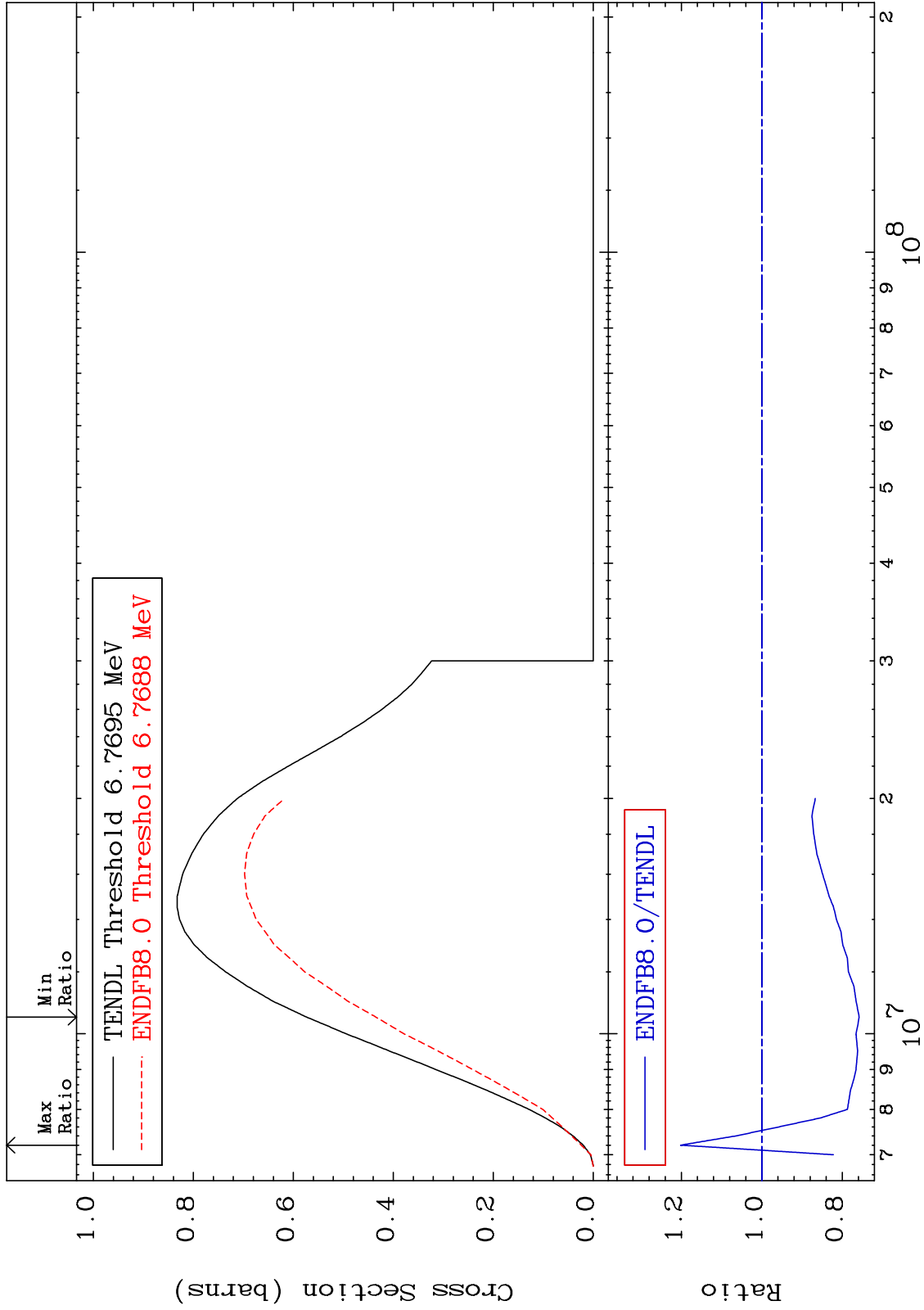
MAT 1834

(n,2n)

18-Ar-39

Cross Section

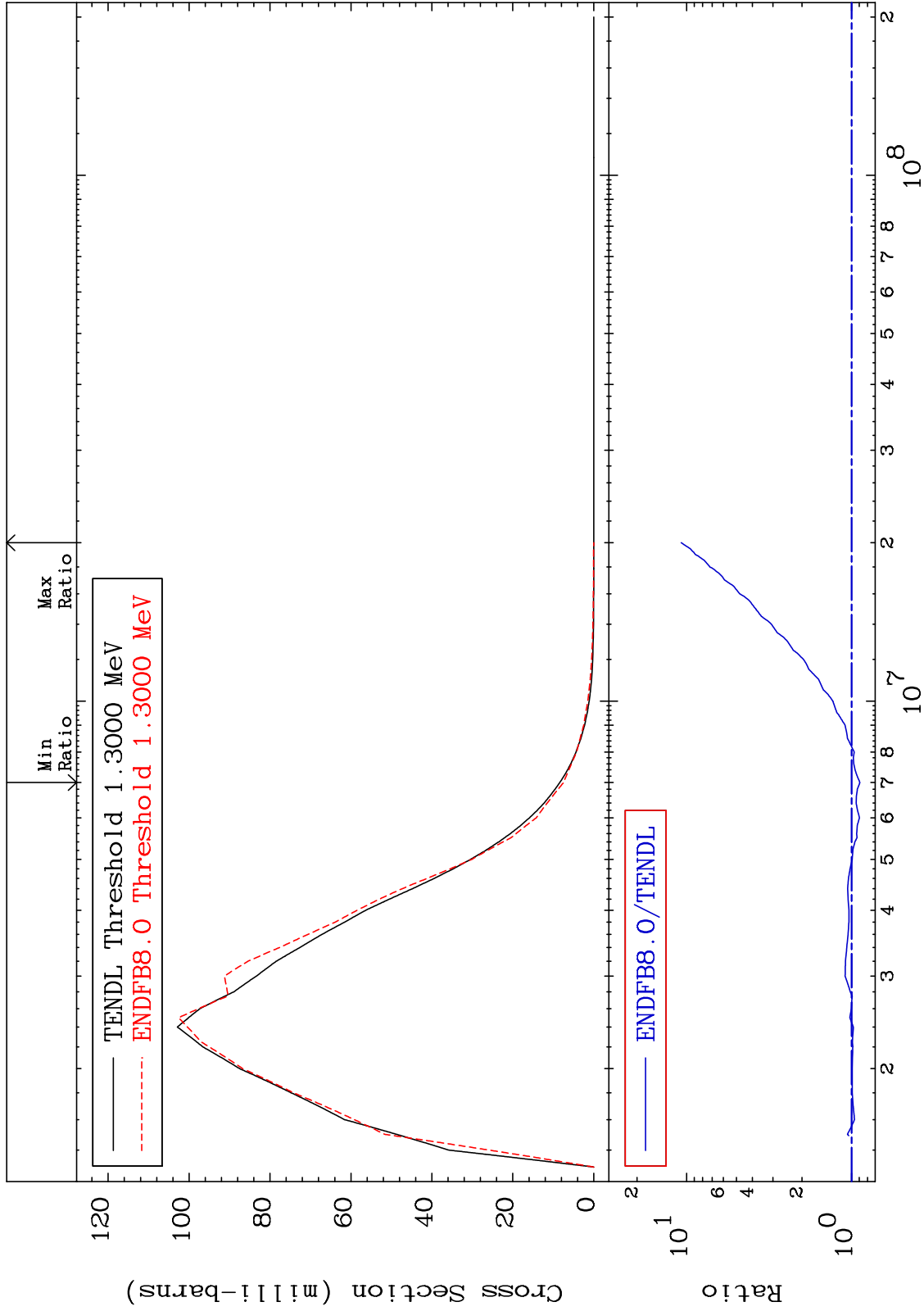
-24.19 To 20.18 %



MAT 1834

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

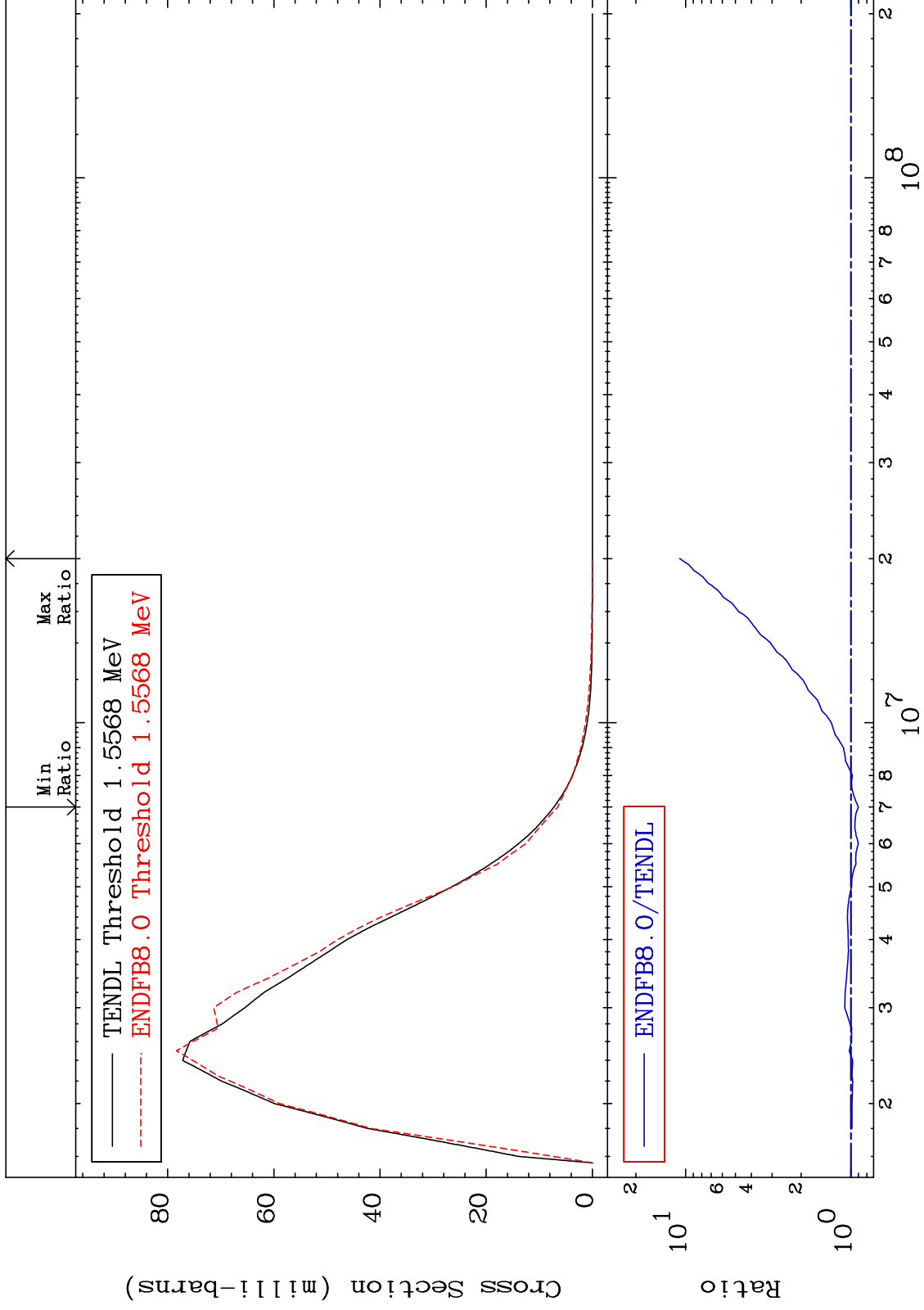
18-Ar-39
-10.99 To 979.3 %



MAT 1834

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

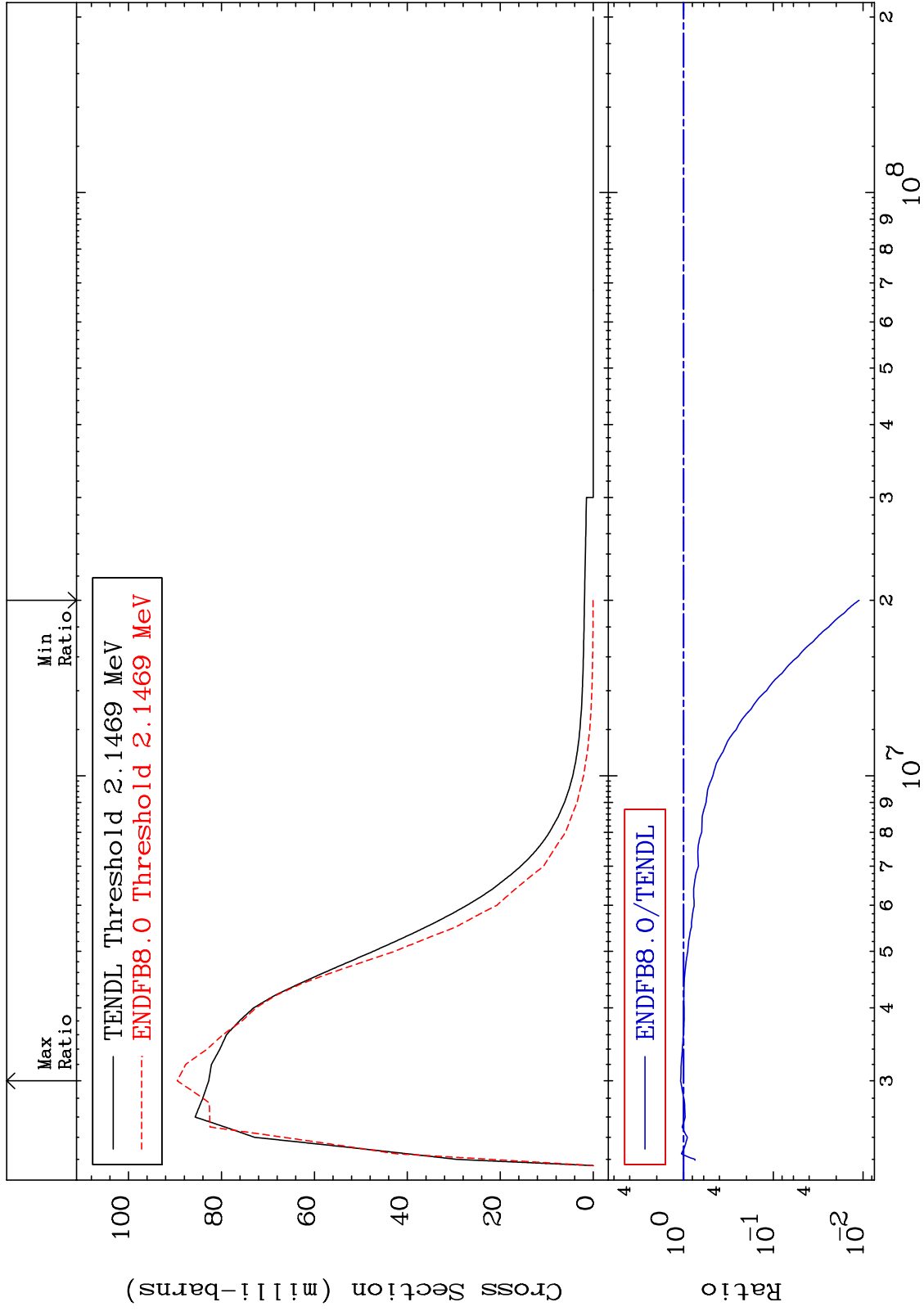
18-Ar-39
-9.865 To 985.3 %



MAT 1834

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

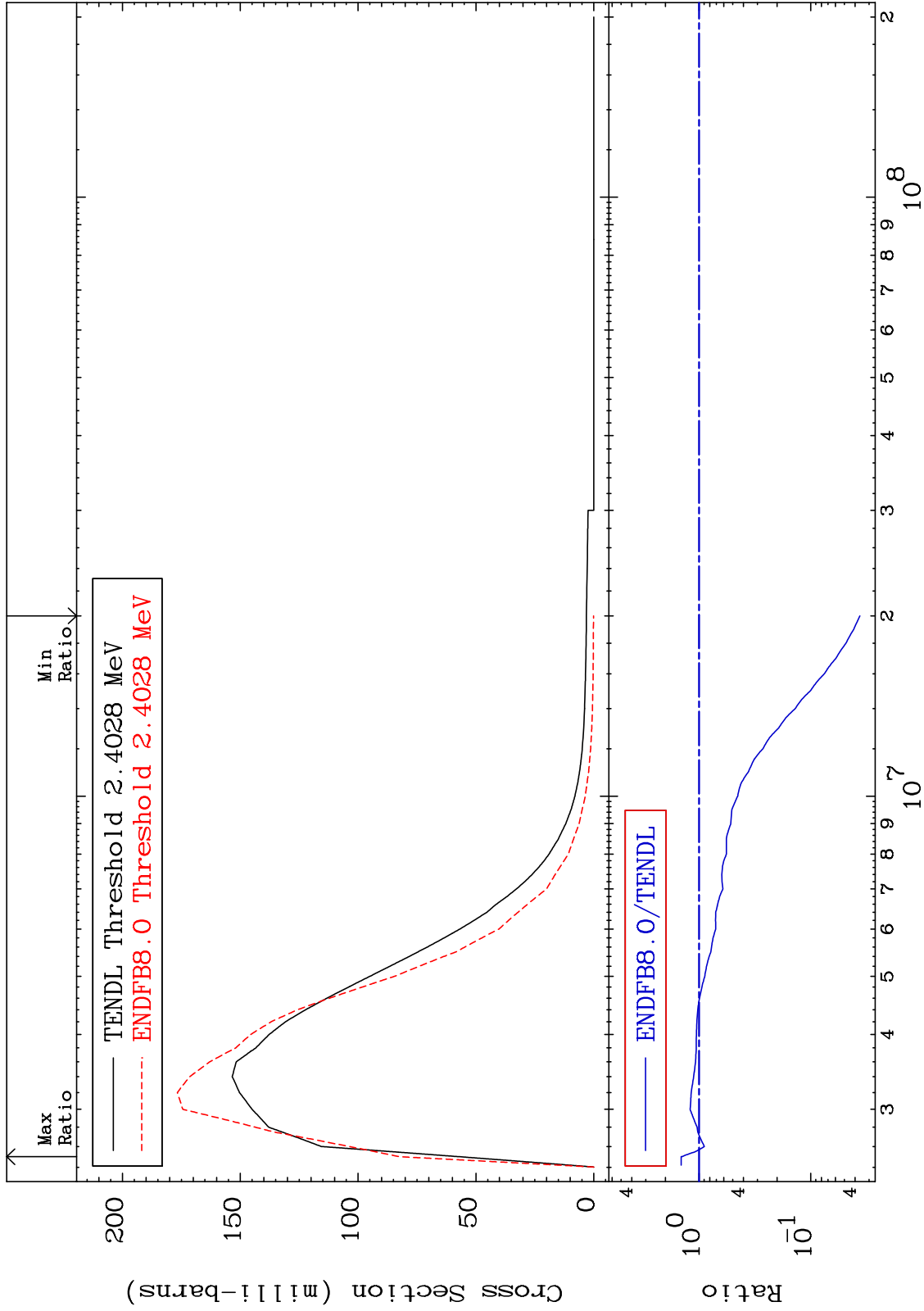
18-Ar-39
-98.89 To 8.216 %



MAT 1834

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

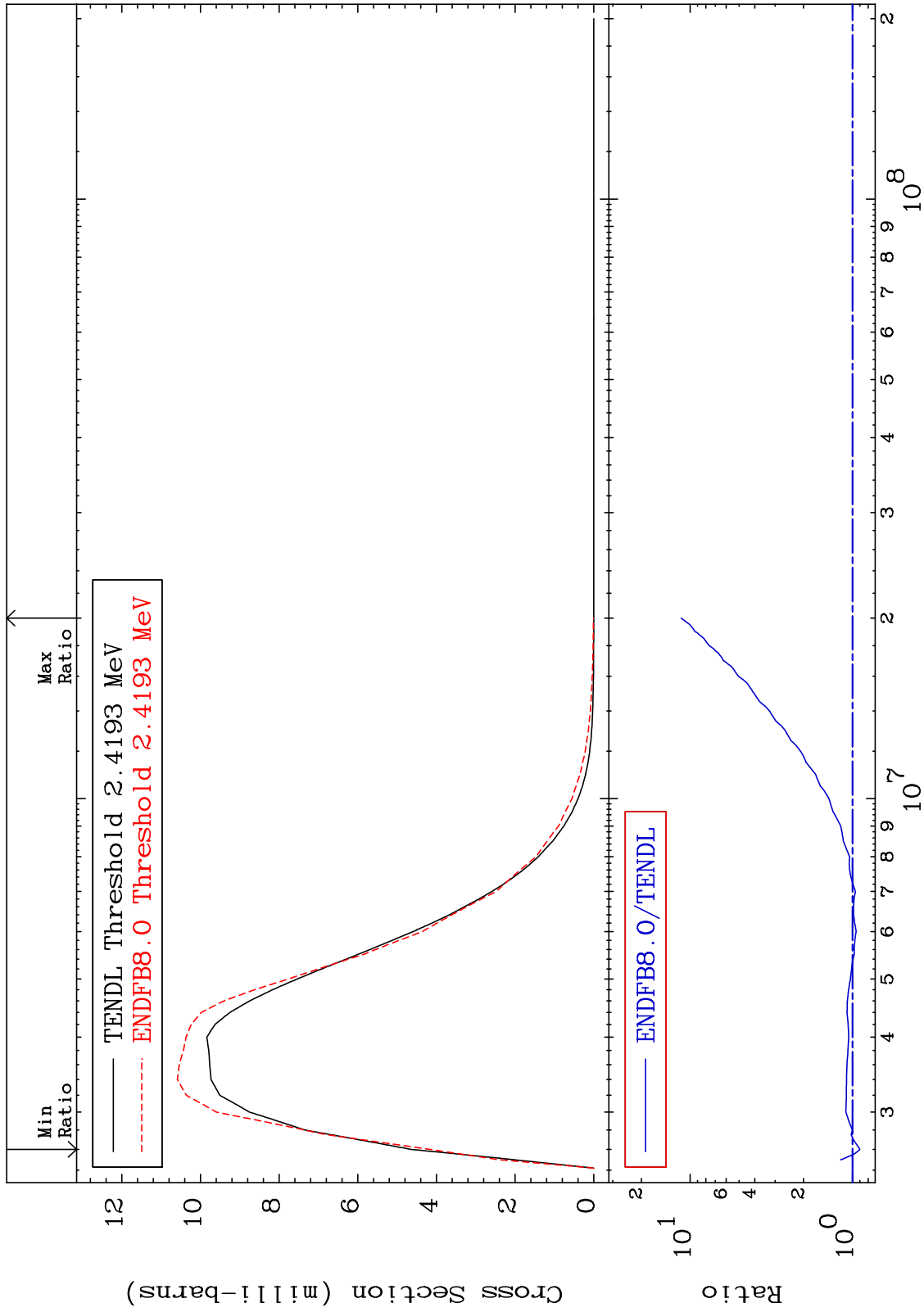
18-Ar-39
-96.38 To 44.42 %



MAT 1834

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

18-Ar-39
-10.13 To 1036. %



9

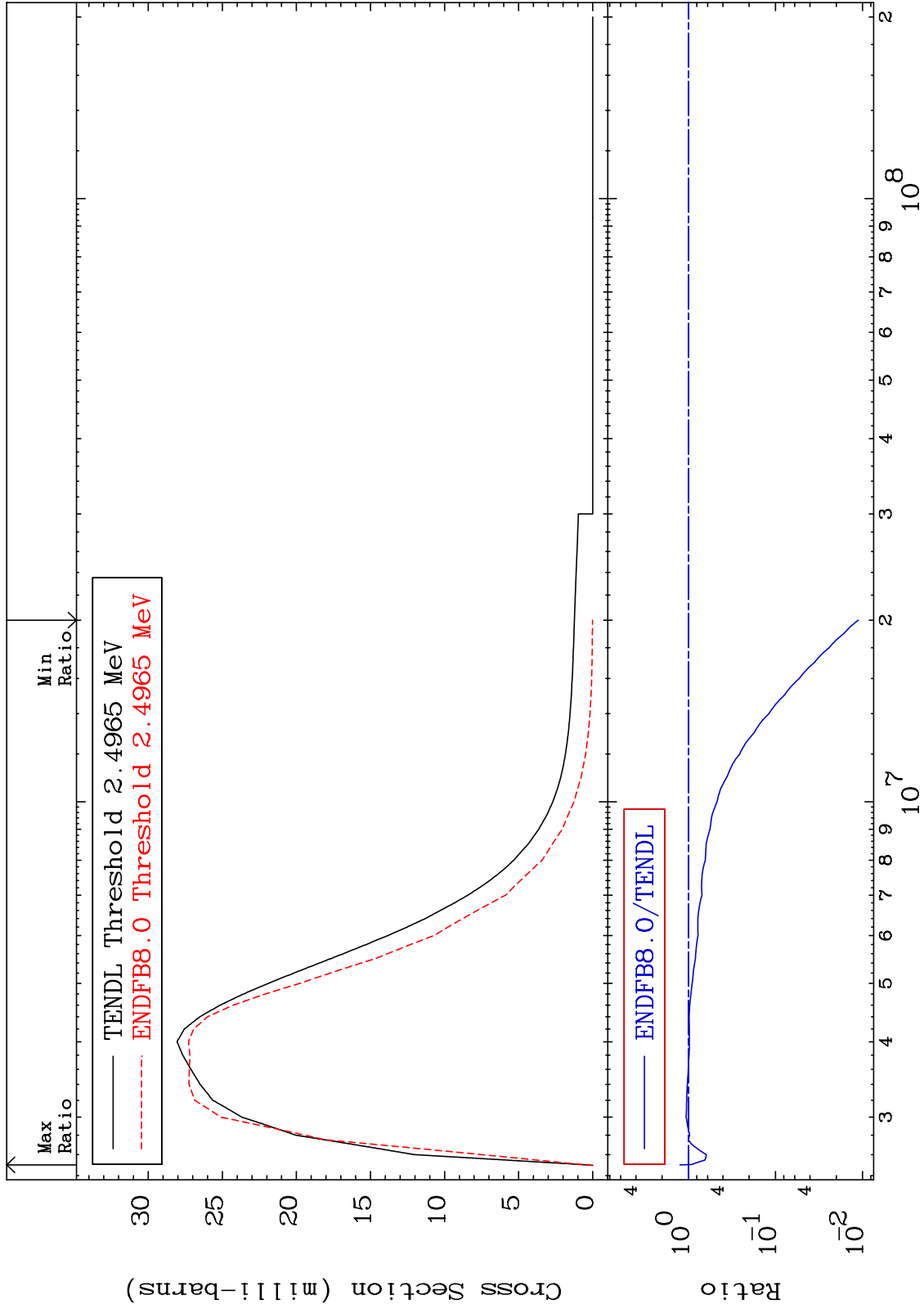
Incident Energy (eV)

18-Ar-39

MAT 1834

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

18-Ar-39
-98.89 To 24.71 %



10

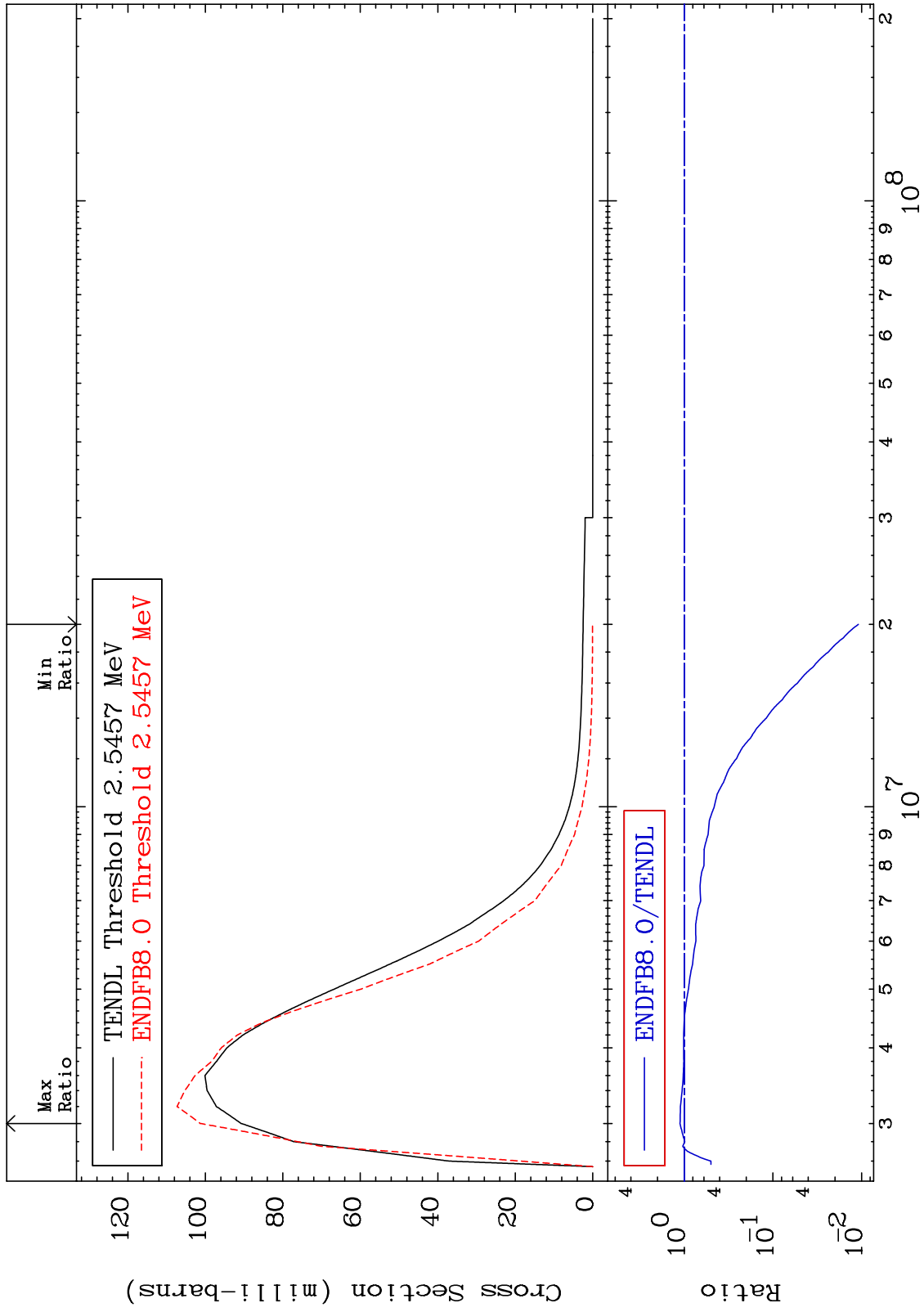
18-Ar-39

18-Ar-39

MAT 1834

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

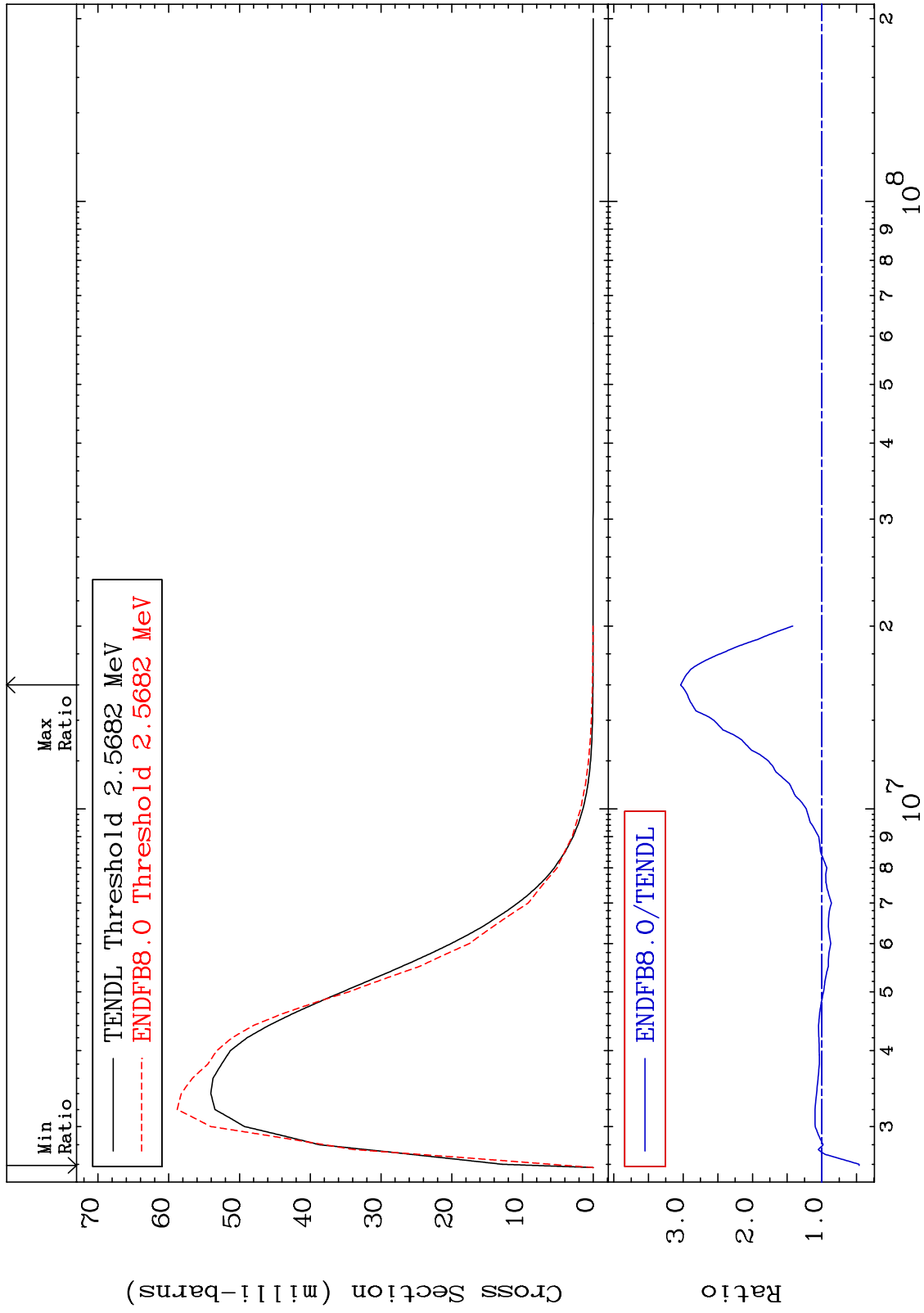
18-Ar-39
-98.91 To 11.63 %



MAT 1834

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

18-Ar-39
-53.79 To 203.7 %



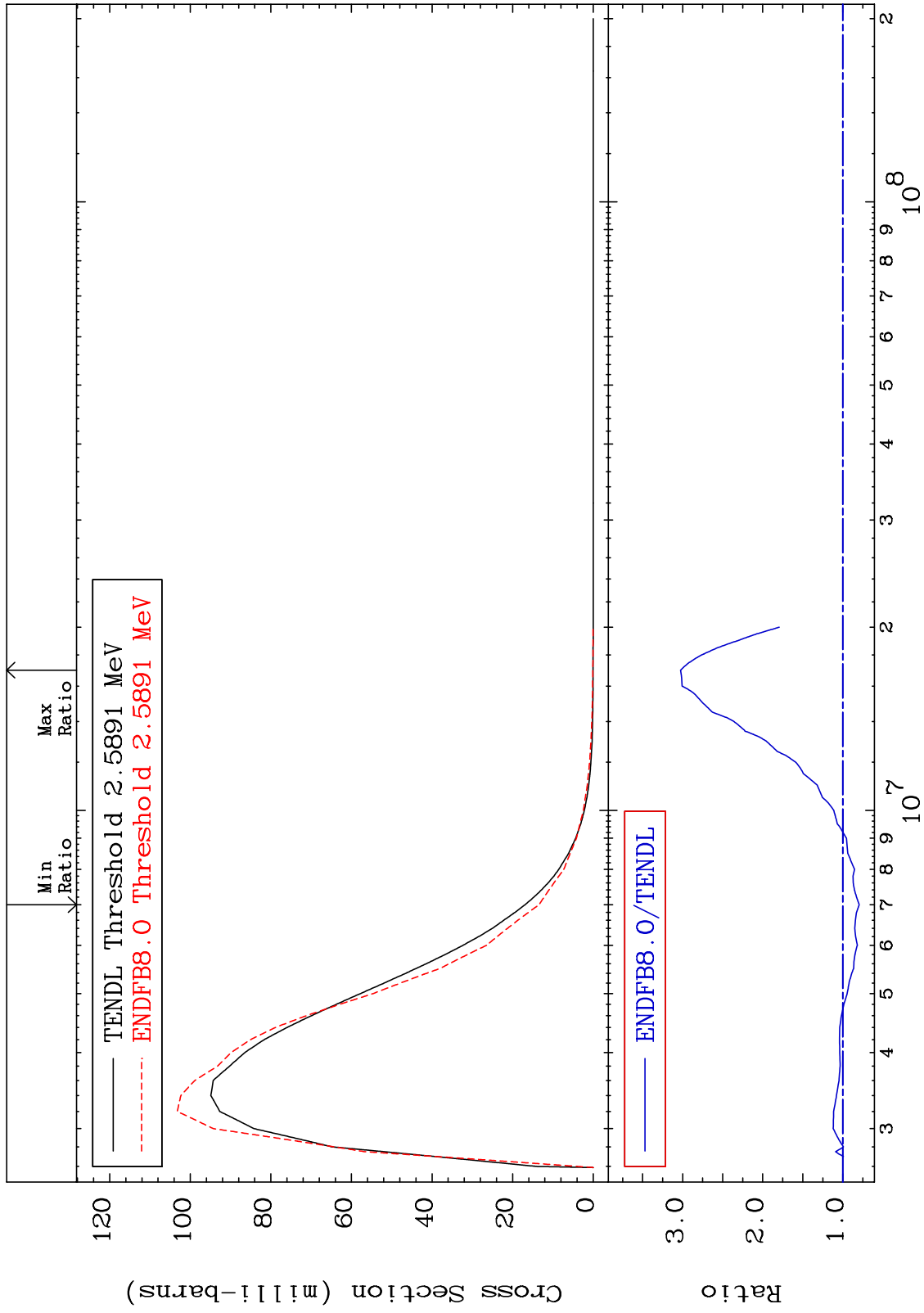
12

18-Ar-39

MAT 1834

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

18-Ar-39
-20.43 To 202.5 %



13

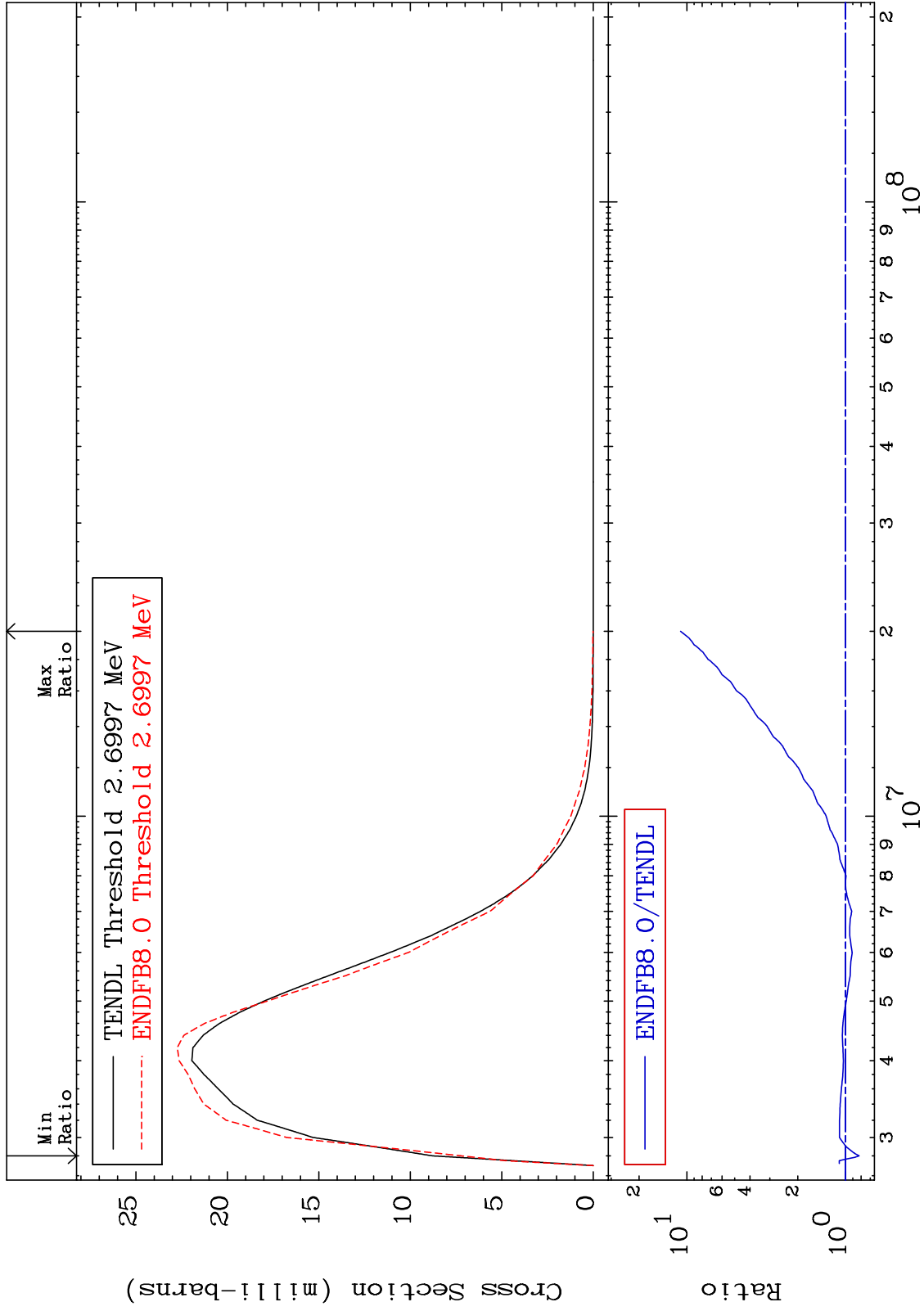
Incident Energy (eV)

18-Ar-39

MAT 1834

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

18-Ar-39
-17.87 To 993.9 %



14

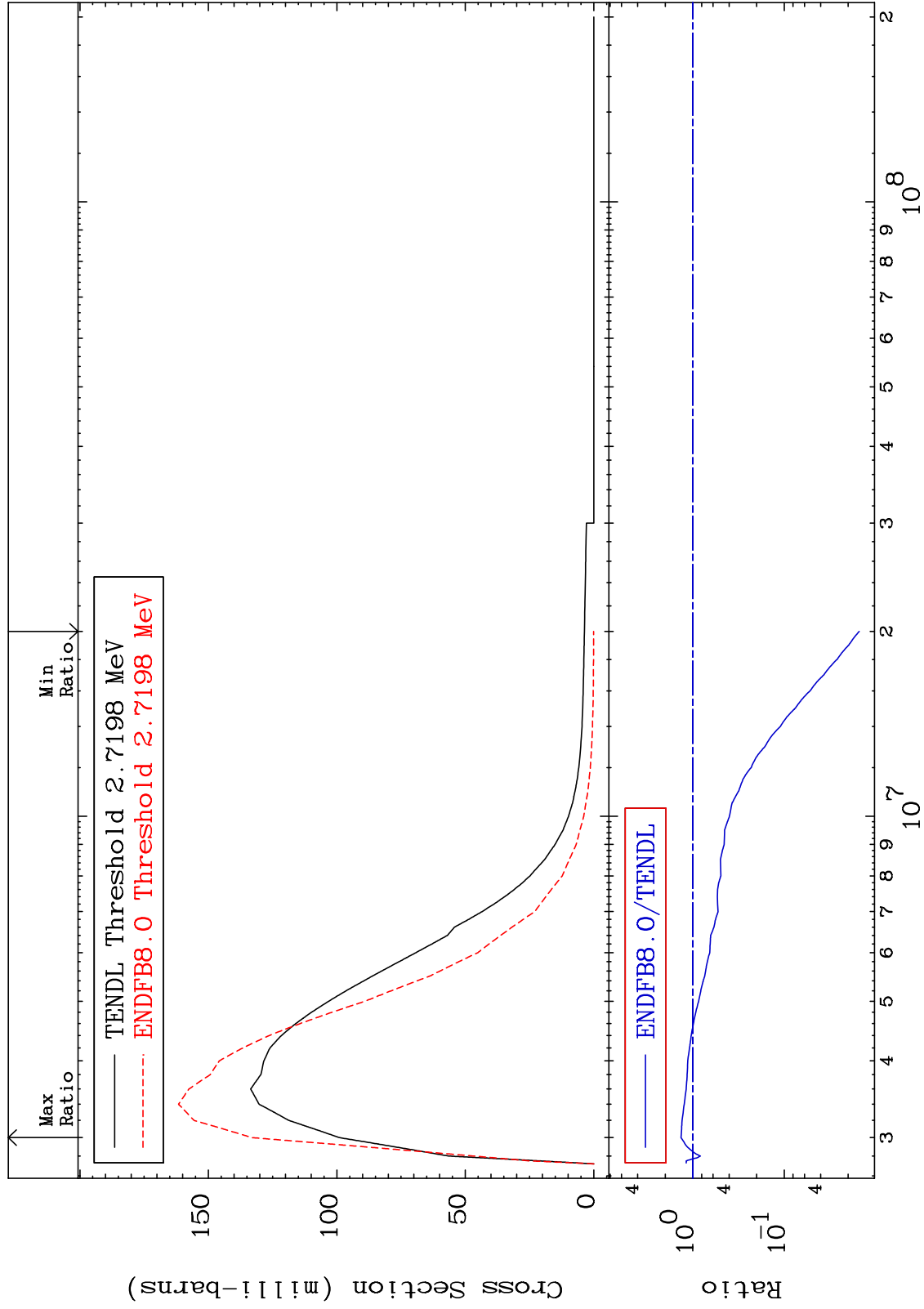
Incident Energy (eV)

18-Ar-39

MAT 1834

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

18-Ar-39
-98.49 To 34.29 %



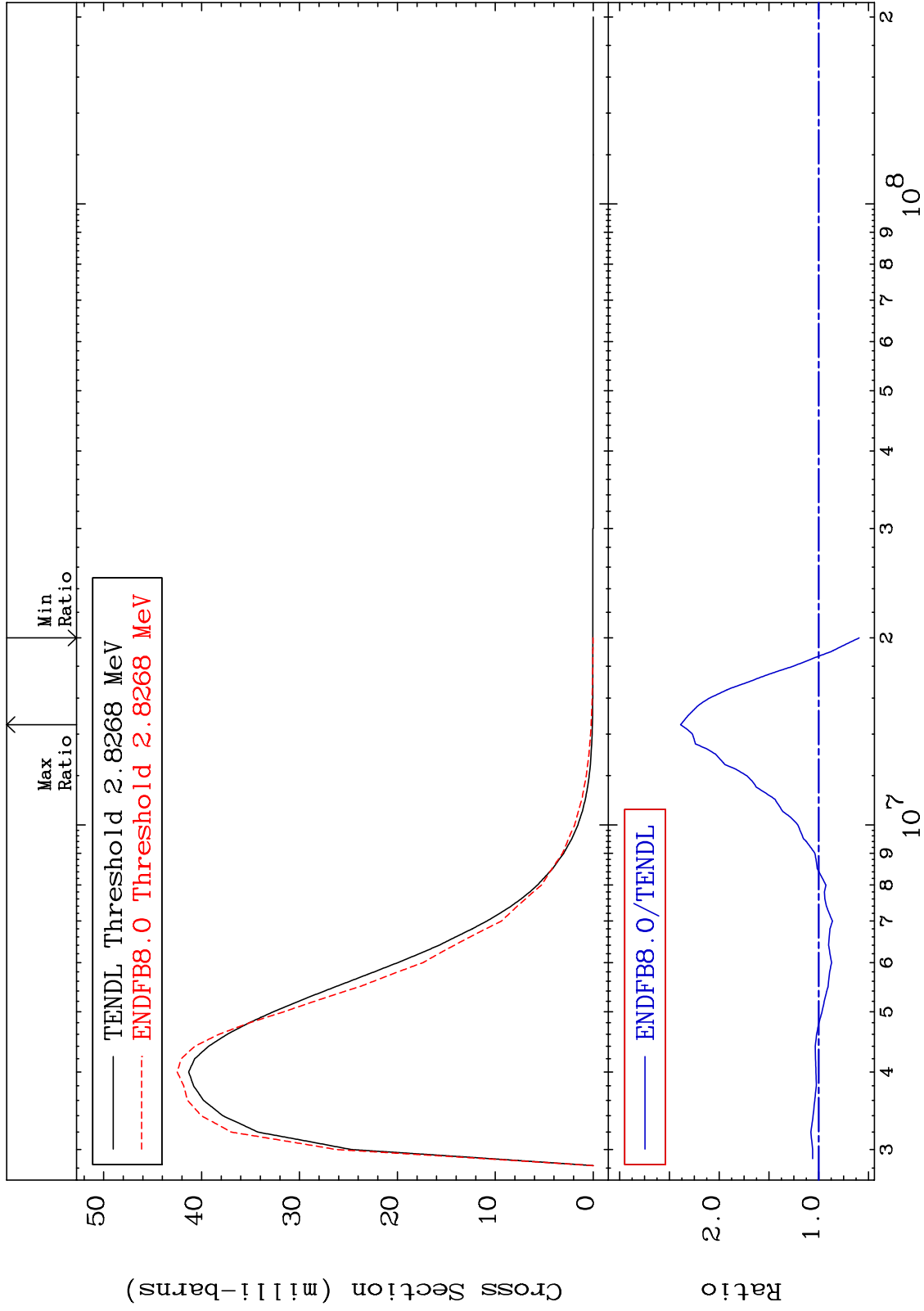
15

18-Ar-39

MAT 1834

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

18-Ar-39
-40.55 To 138.8 %



16

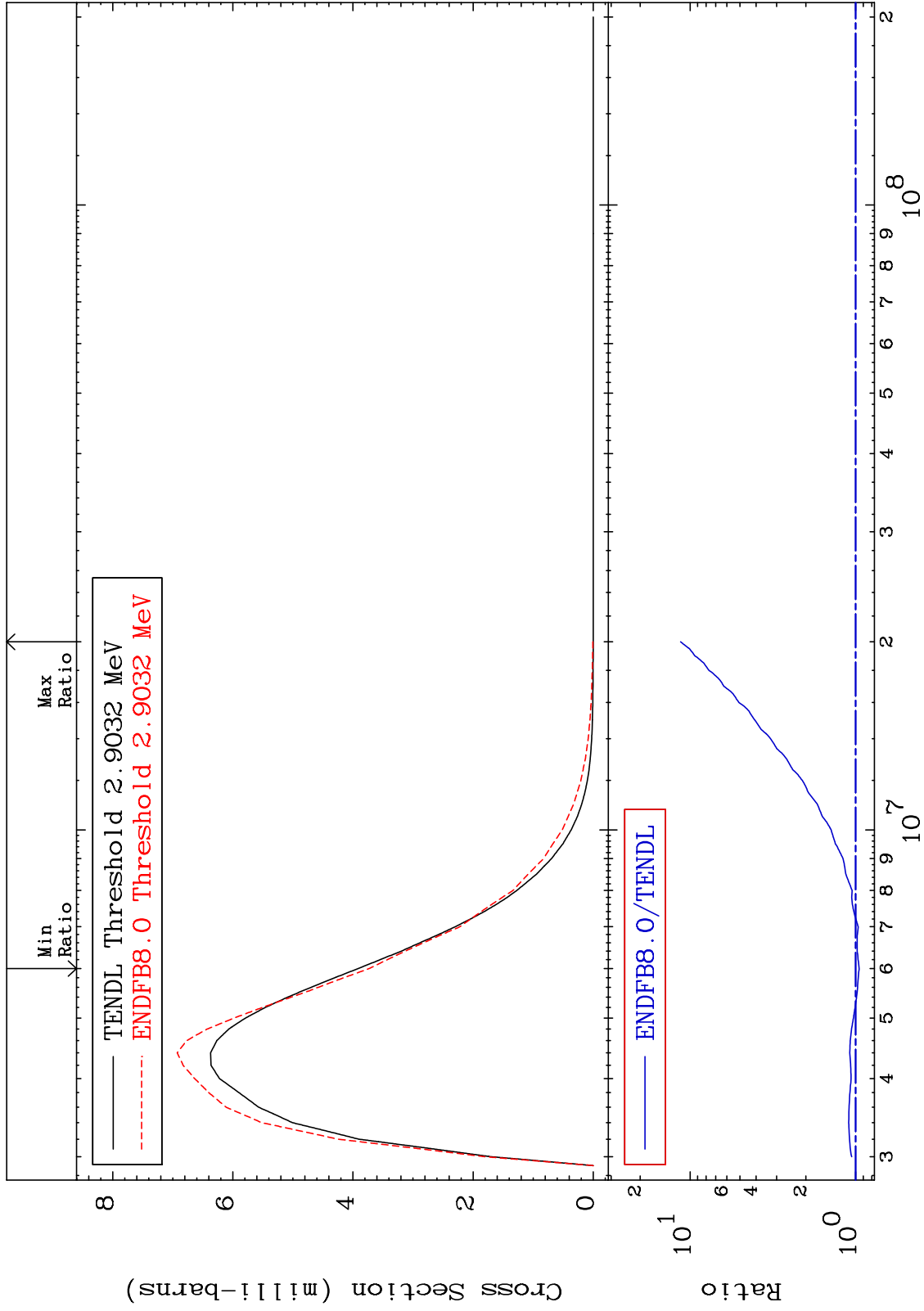
Incident Energy (eV)

18-Ar-39

MAT 1834

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

18-Ar-39
-4.687 To 1041. %



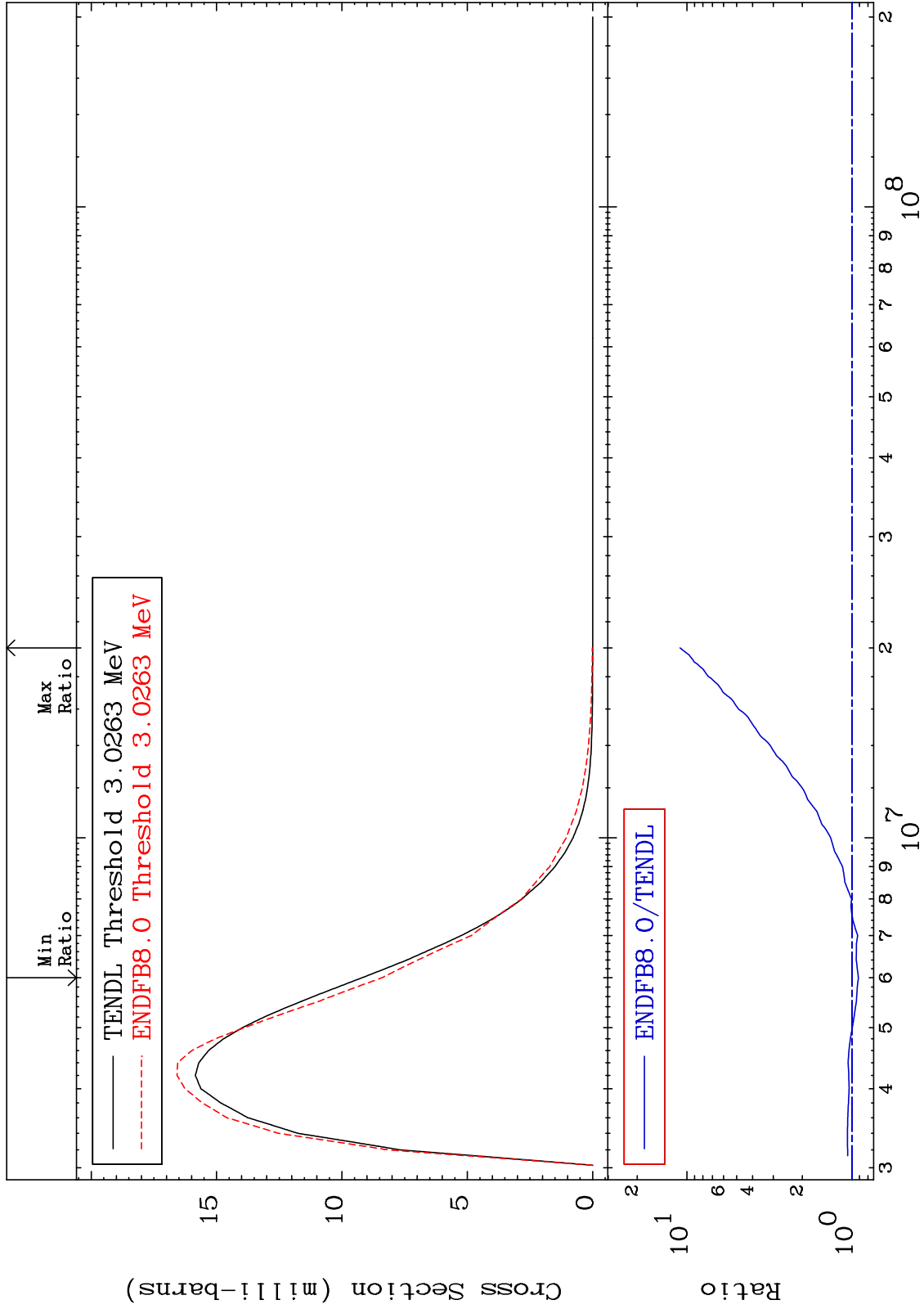
17

18-Ar-39

MAT 1834

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

18-Ar-39
-8.619 To 1001. %



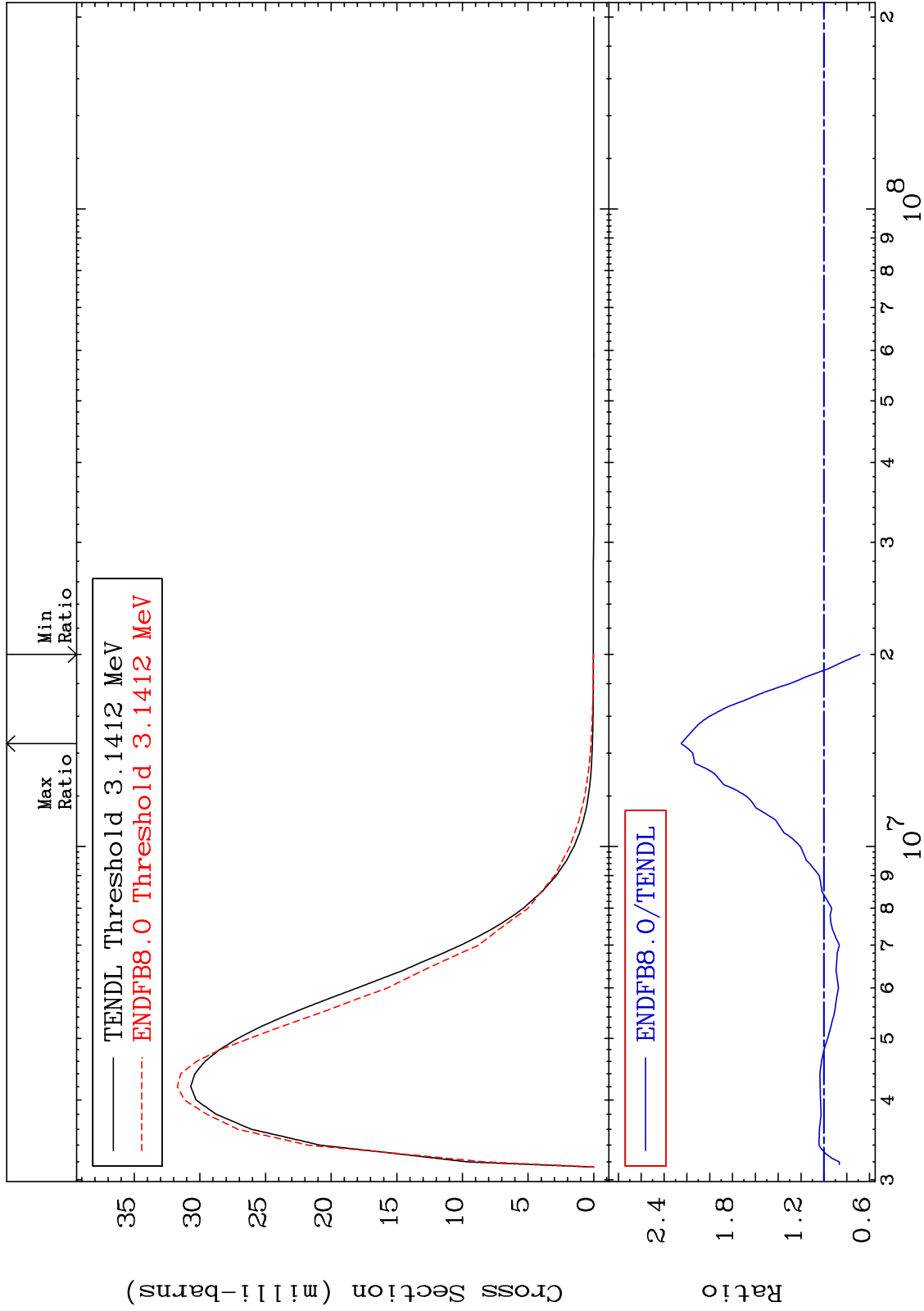
18

18-Ar-39

MAT 1834

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

18-Ar-39
-31.55 To 124.9 %



19

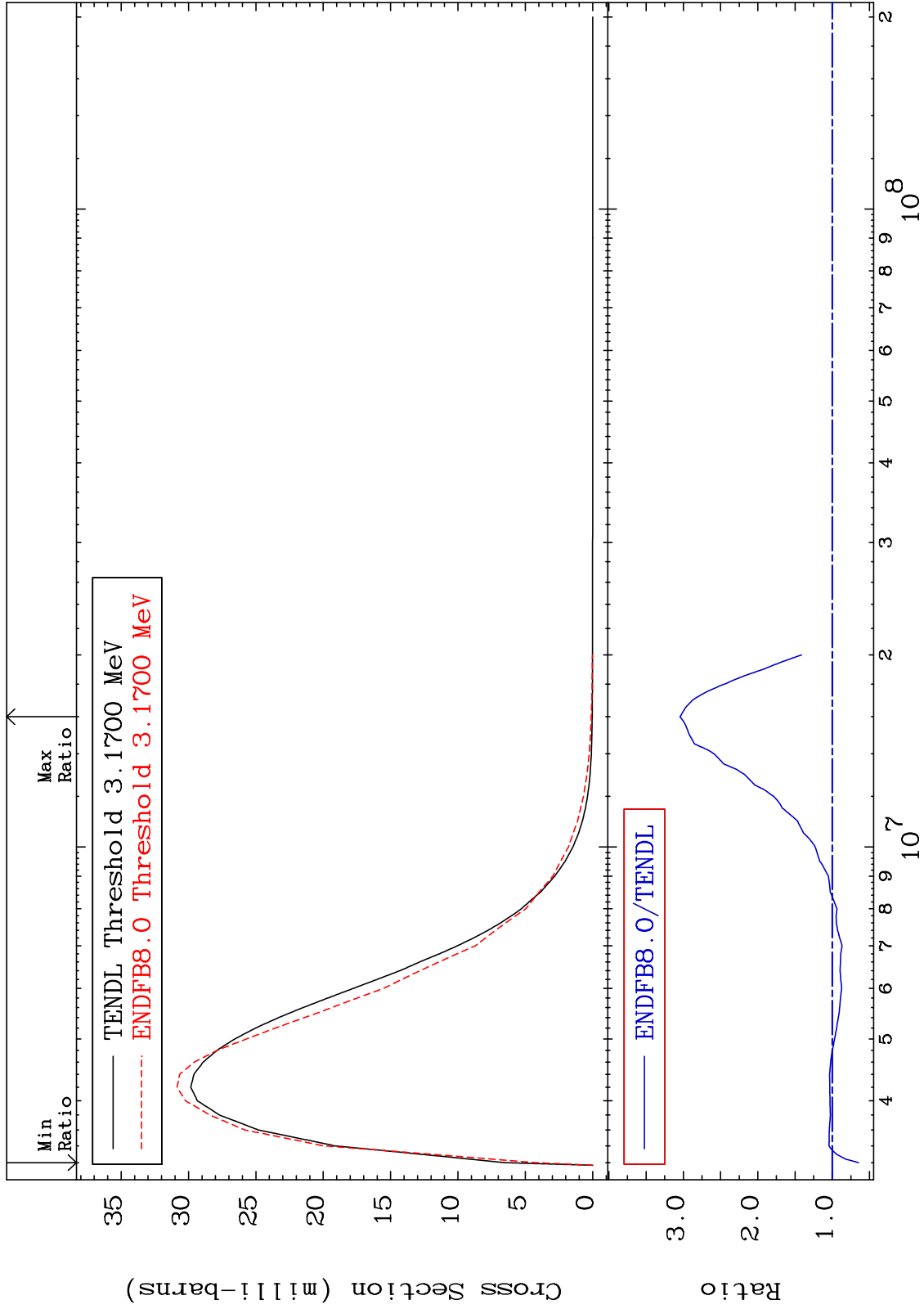
Incident Energy (eV)

18-Ar-39

MAT 1834

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

18-Ar-39
-35.13 To 204.4 %



20

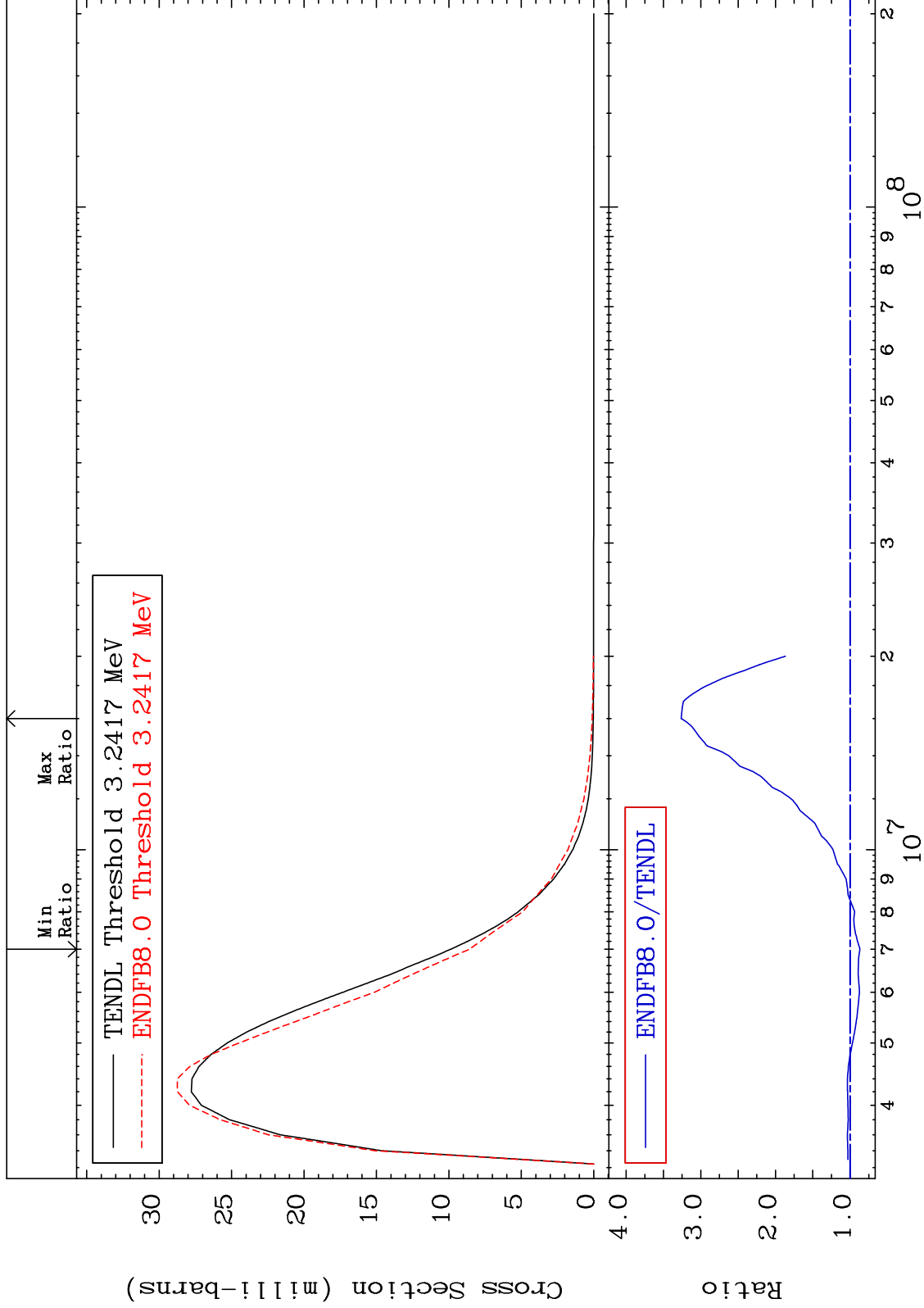
18-Ar-39

18-Ar-39

MAT 1834

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

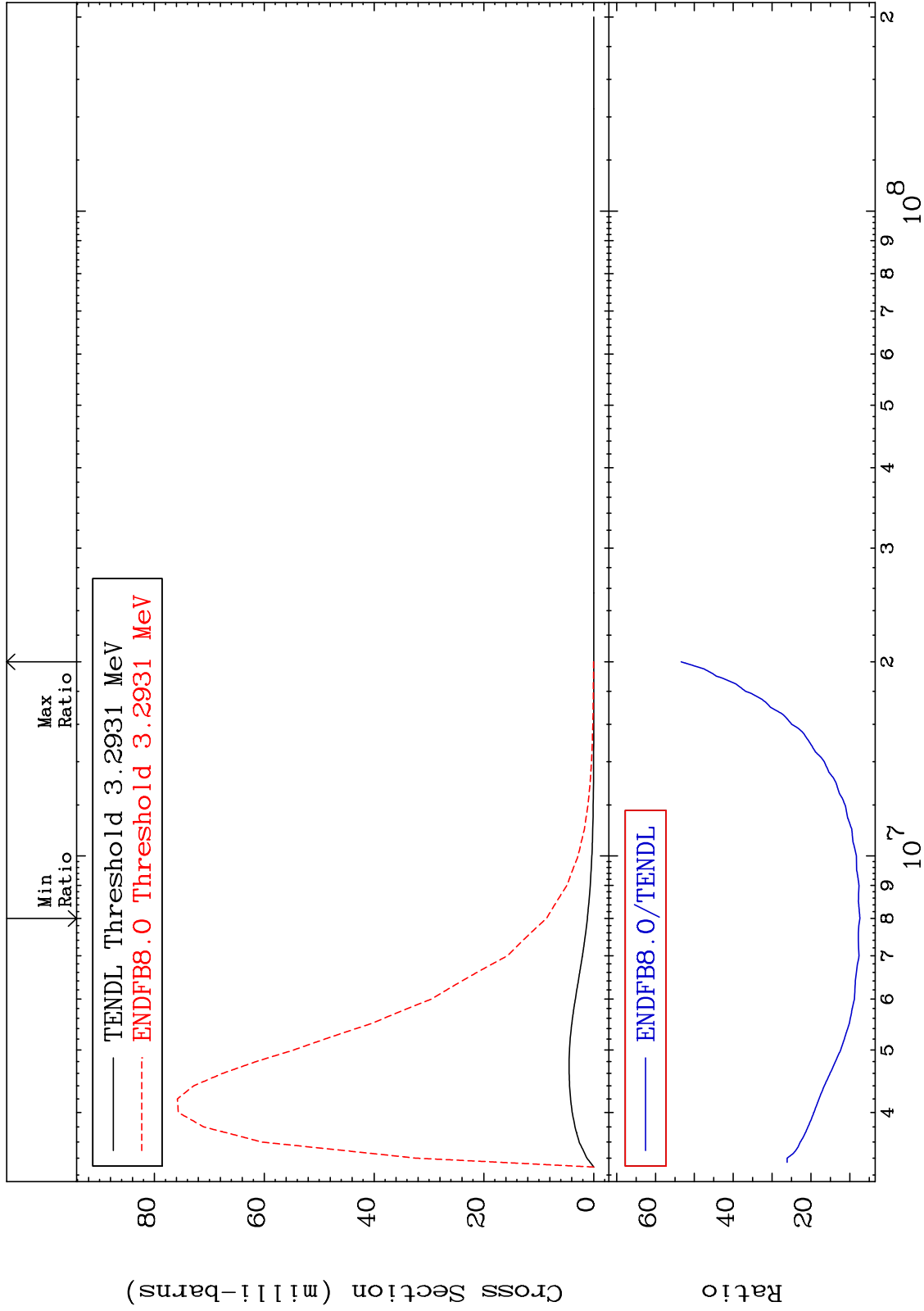
18-Ar-39
-13.13 To 226.2 %



MAT 1834

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

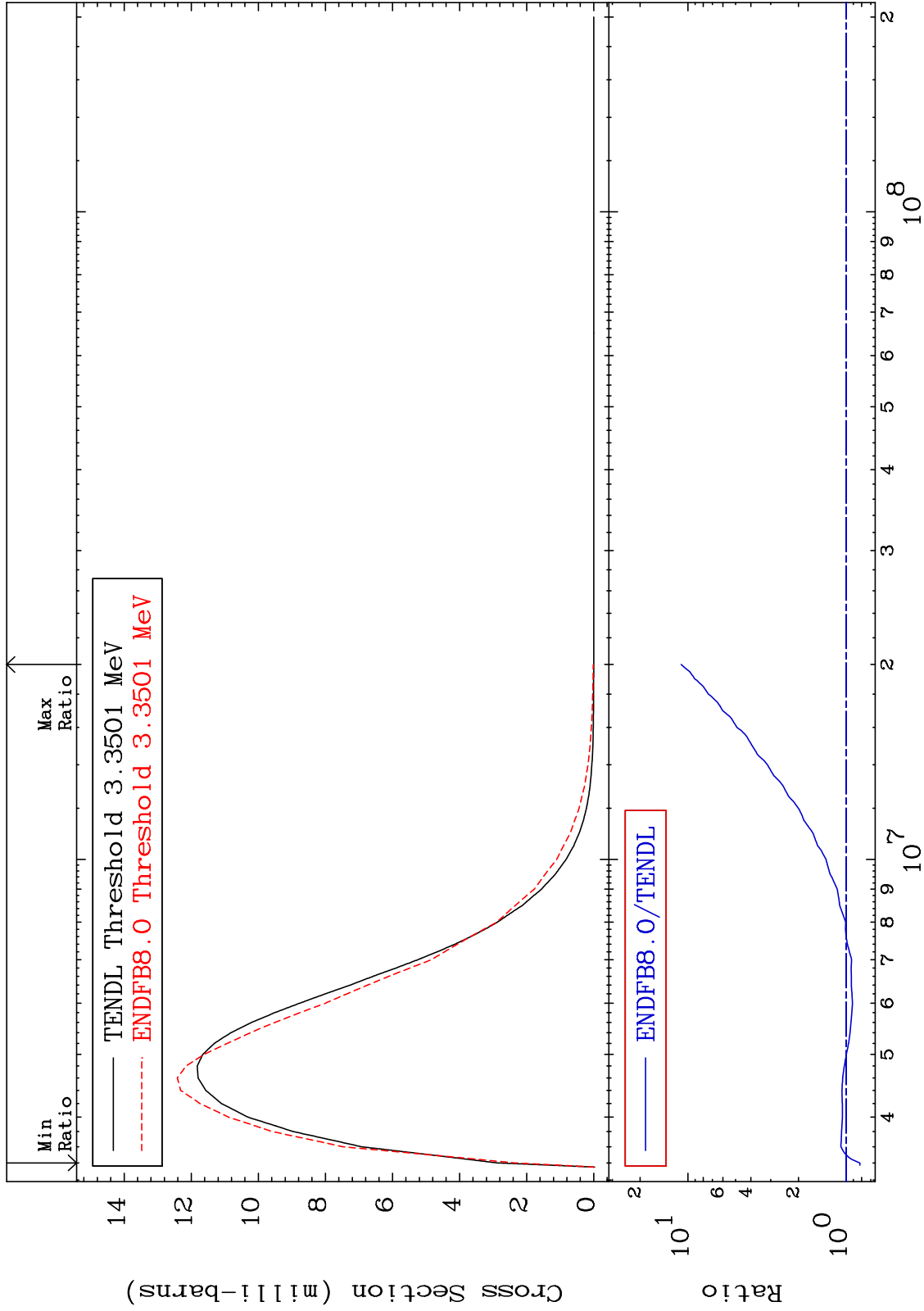
18-Ar-39
638.8 To 5238. %



MAT 1834

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

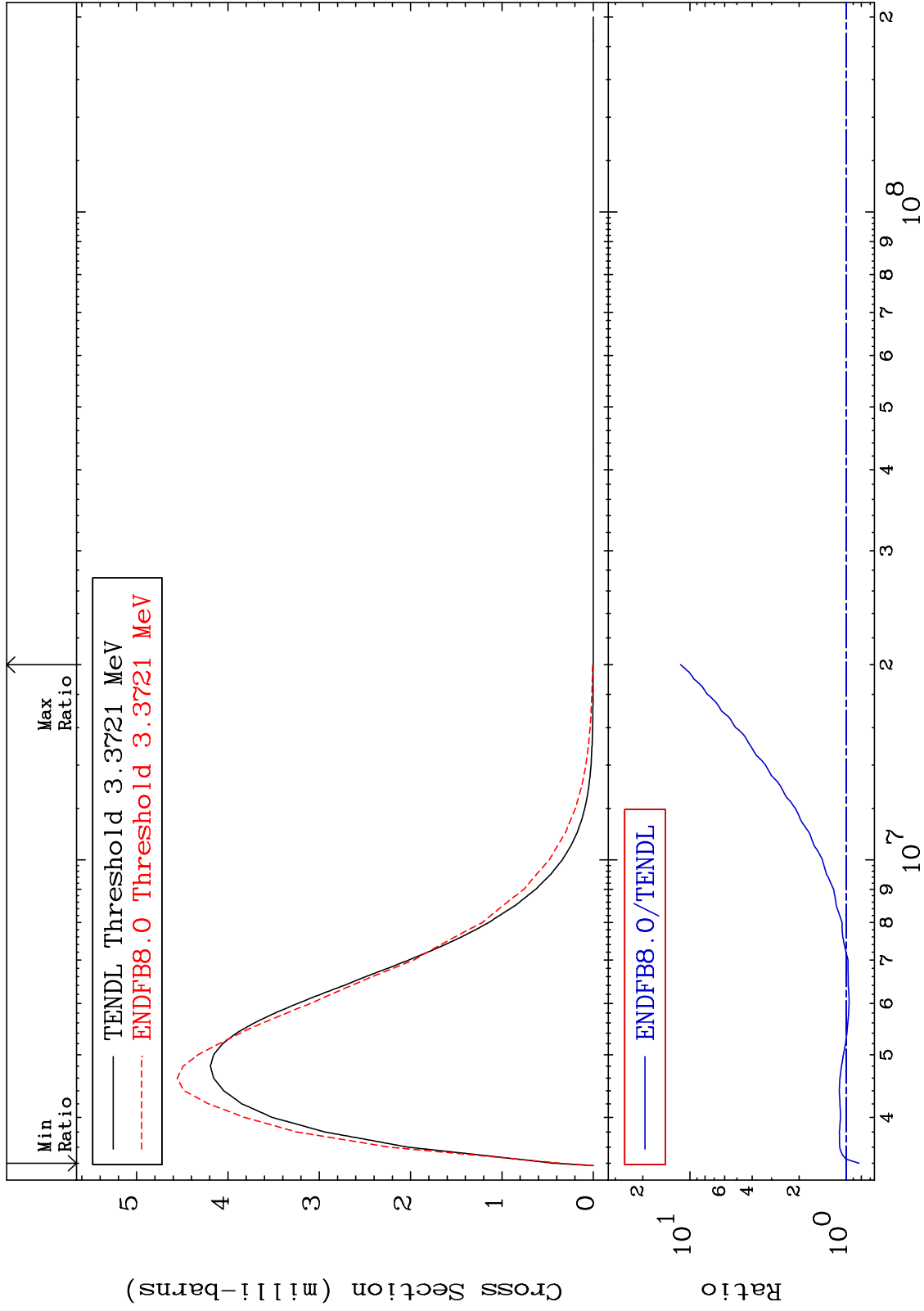
18-Ar-39
-18.12 To 1001. %



MAT 1834

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

18-Ar-39
-17.46 To 1046. %



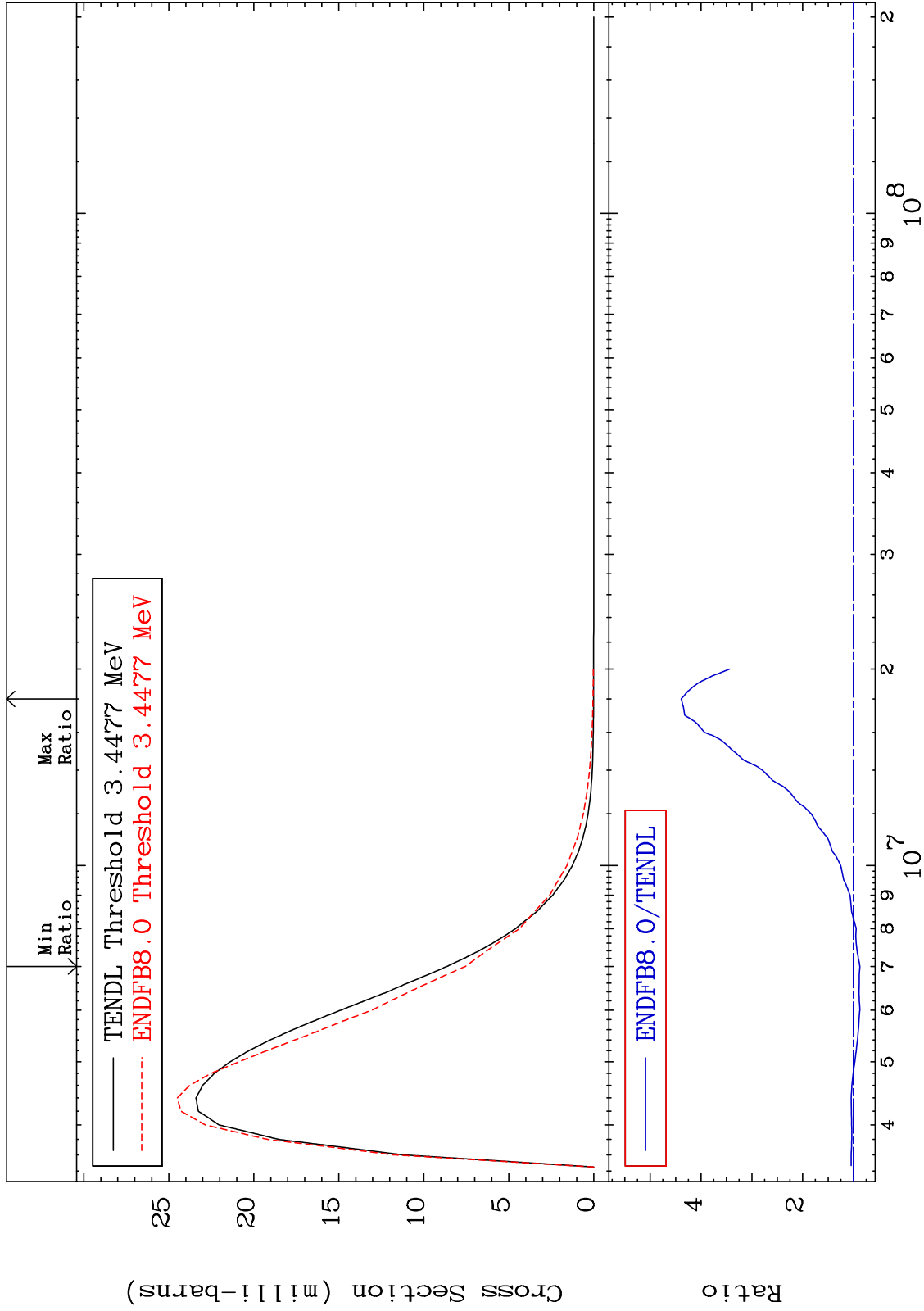
24

18-Ar-39

MAT 1834

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

18-Ar-39
-12.56 To 339.0 %



25

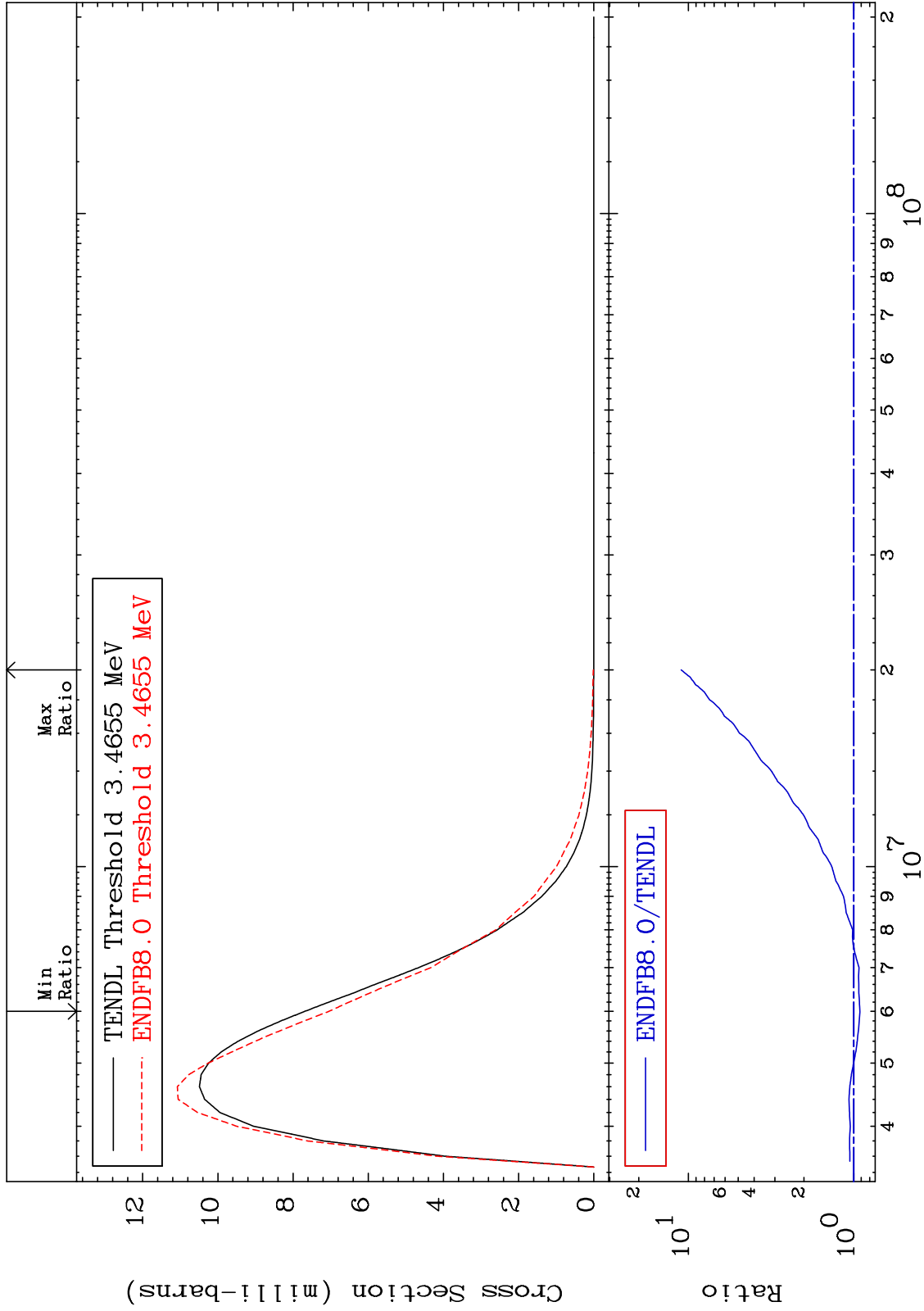
Incident Energy (eV)

18-Ar-39

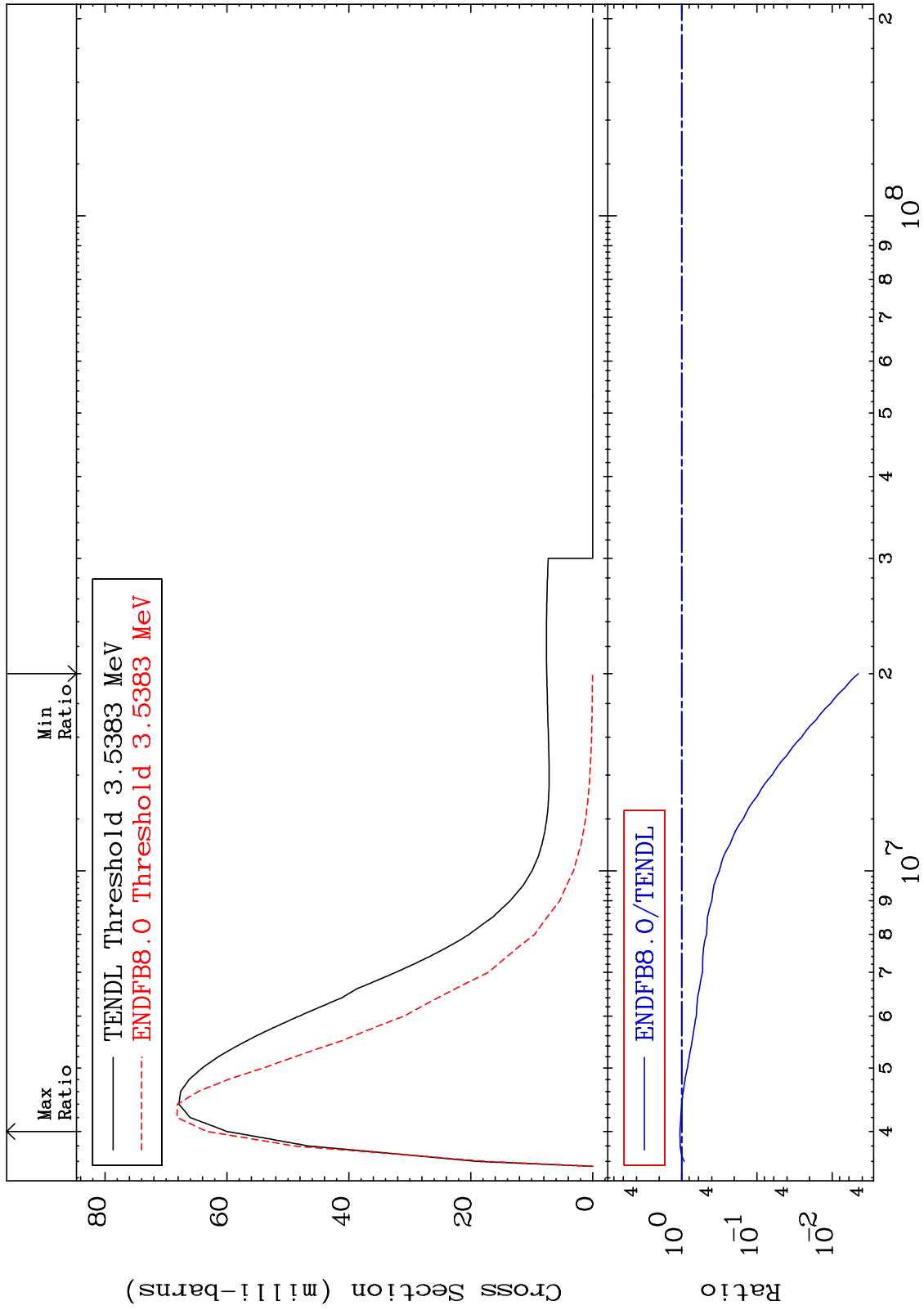
MAT 1834

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

18-Ar-39
-8.331 To 1006. %



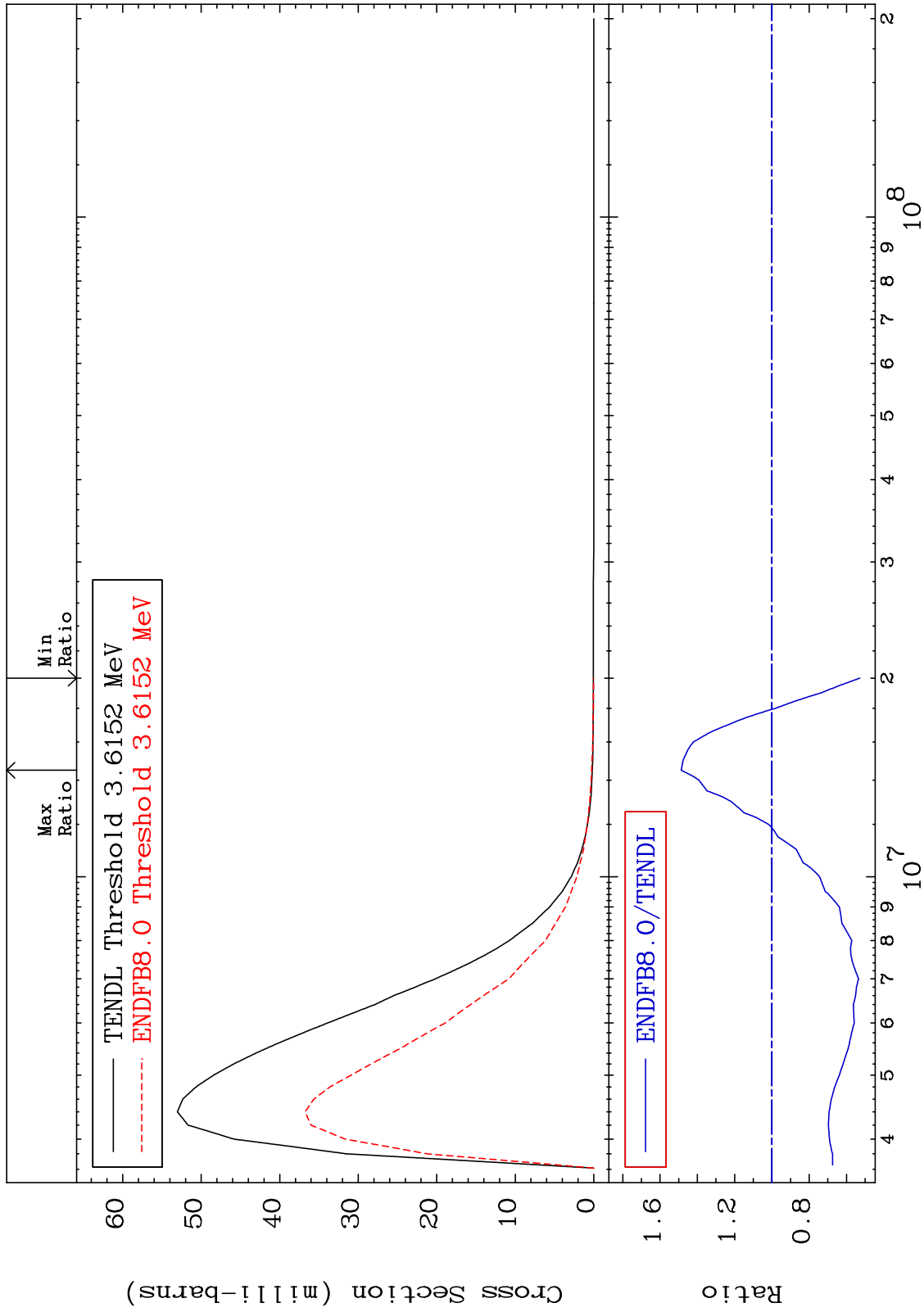
MAT 1834 MT= 73 (n,n') Level Cross Section 18-Ar-39
 -99.55 To 5.516 %



MAT 1834

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

18-Ar-39
-47.21 To 48.64 %



28

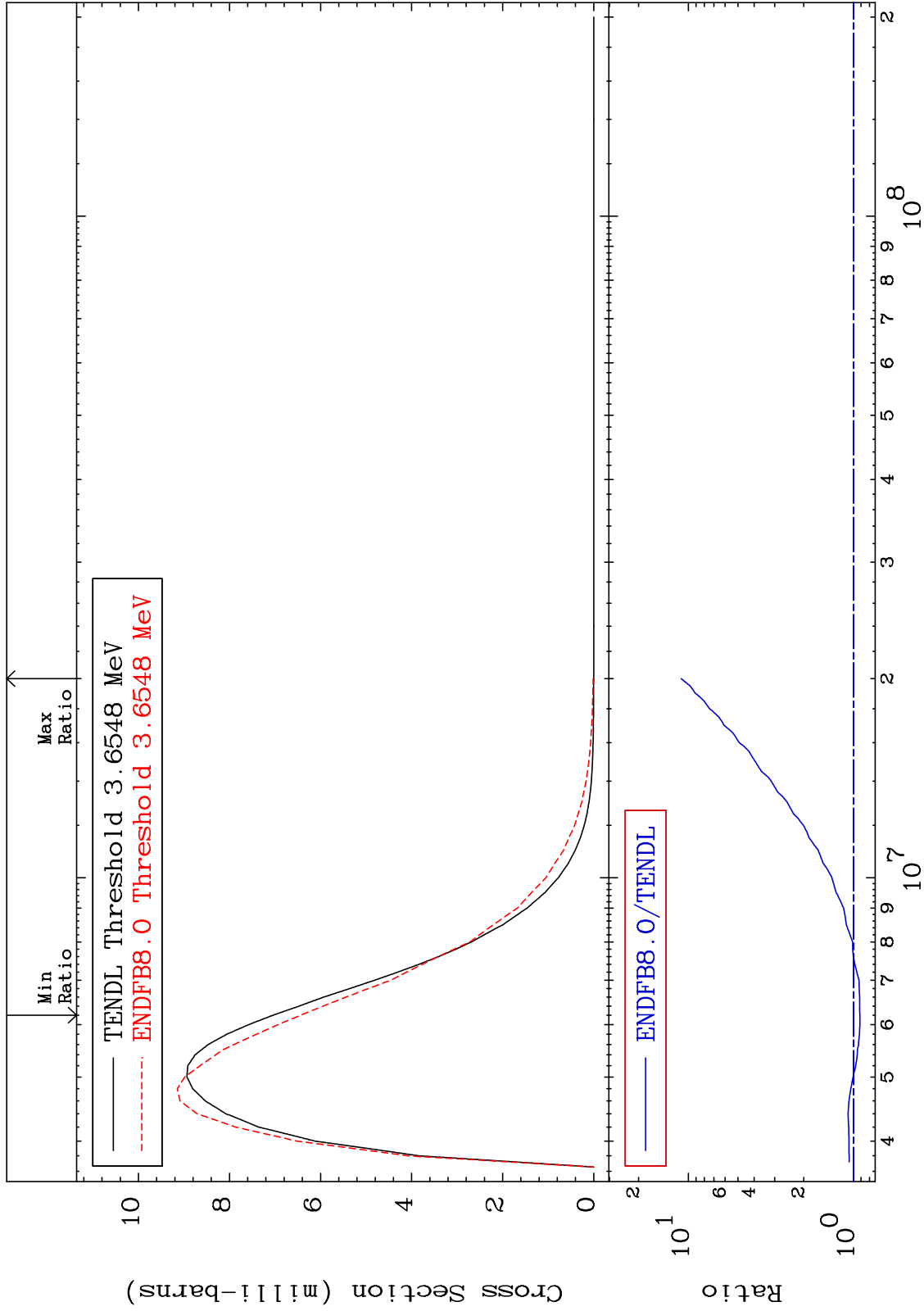
Incident Energy (eV)

18-Ar-39

MAT 1834

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

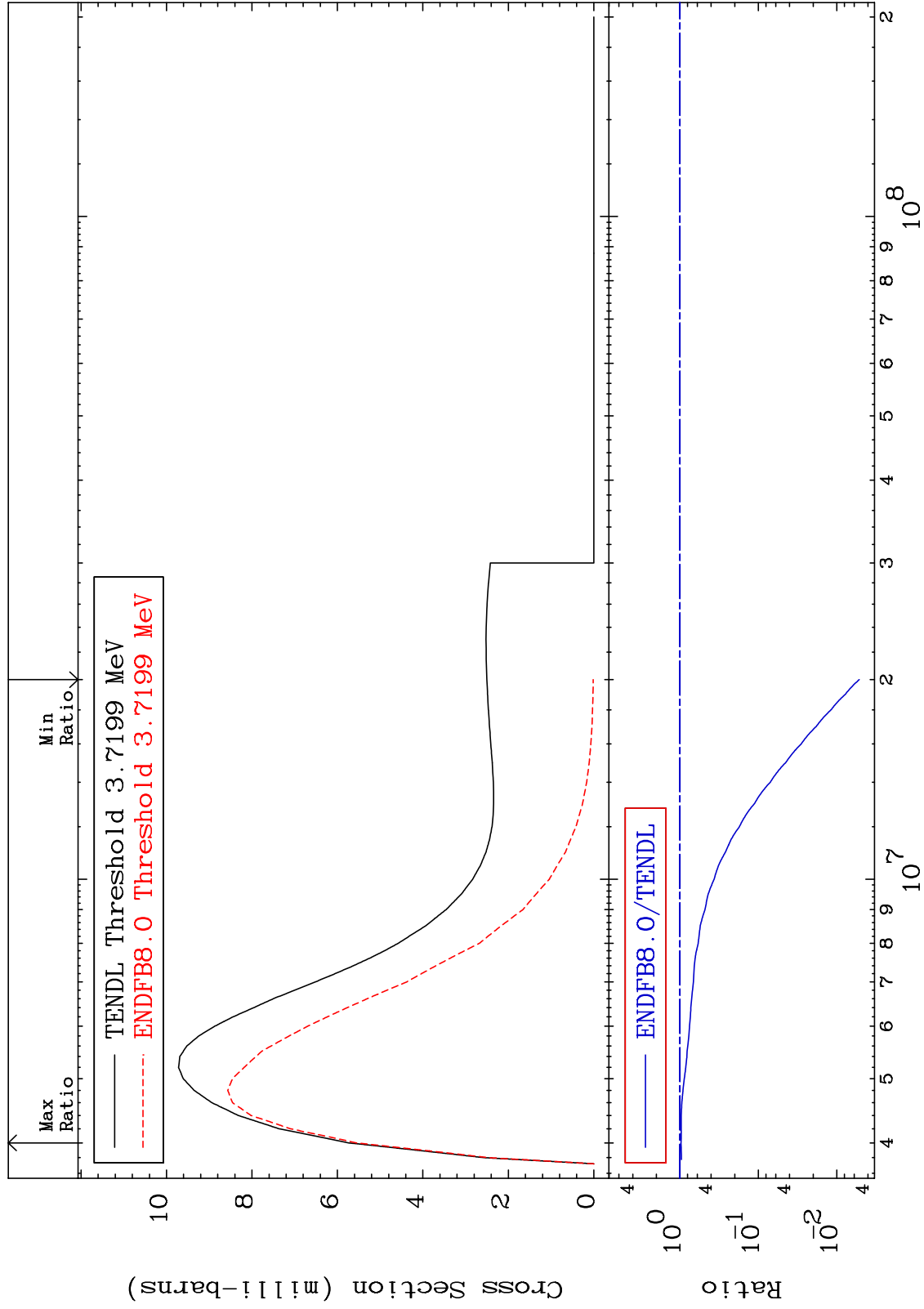
18-Ar-39
-8.594 To 1005. %



MAT 1834

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

18-Ar-39
-99.48 To -3.190%



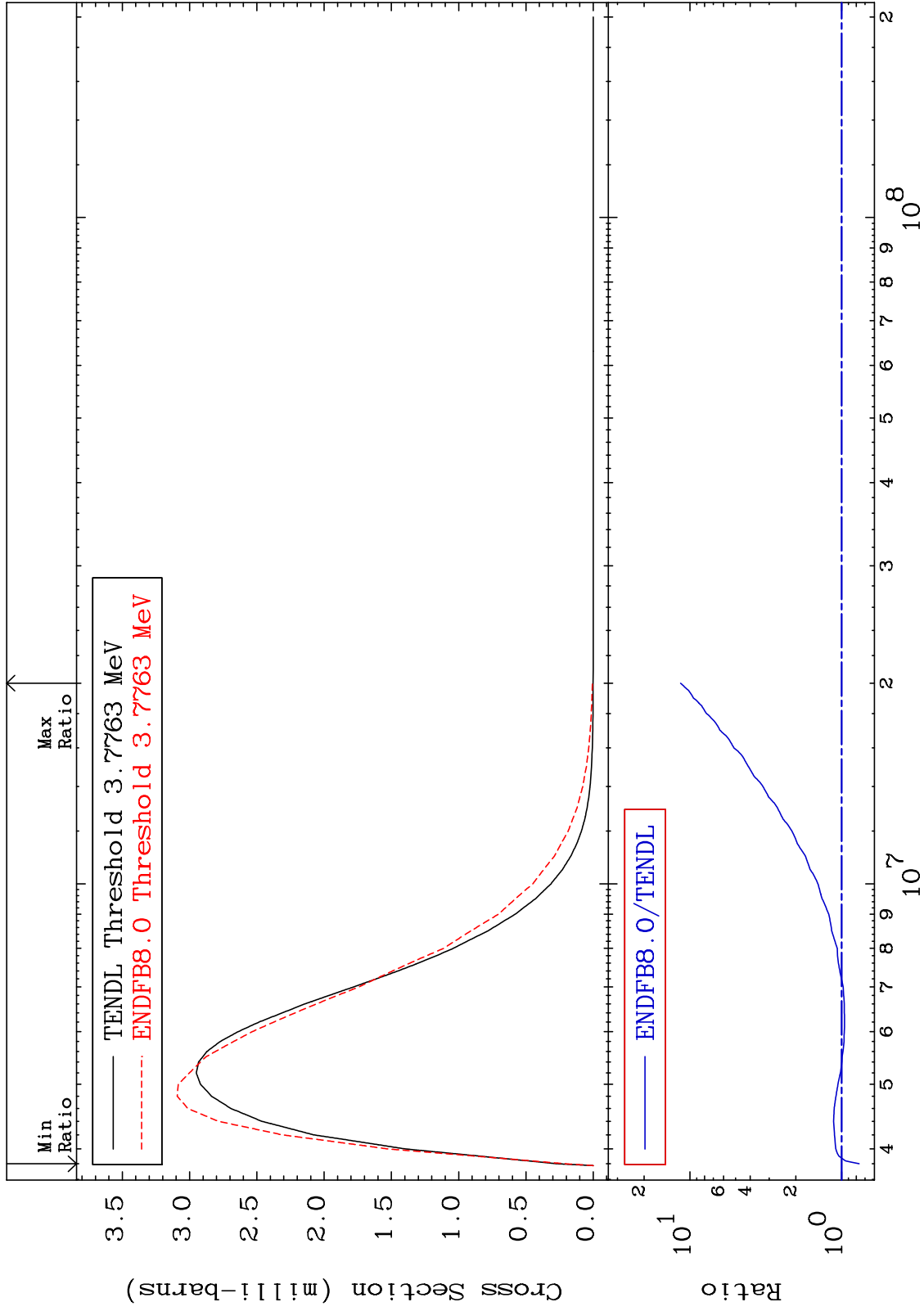
30

18-Ar-39

MAT 1834

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

18-Ar-39
-23.41 To 1051. %



31

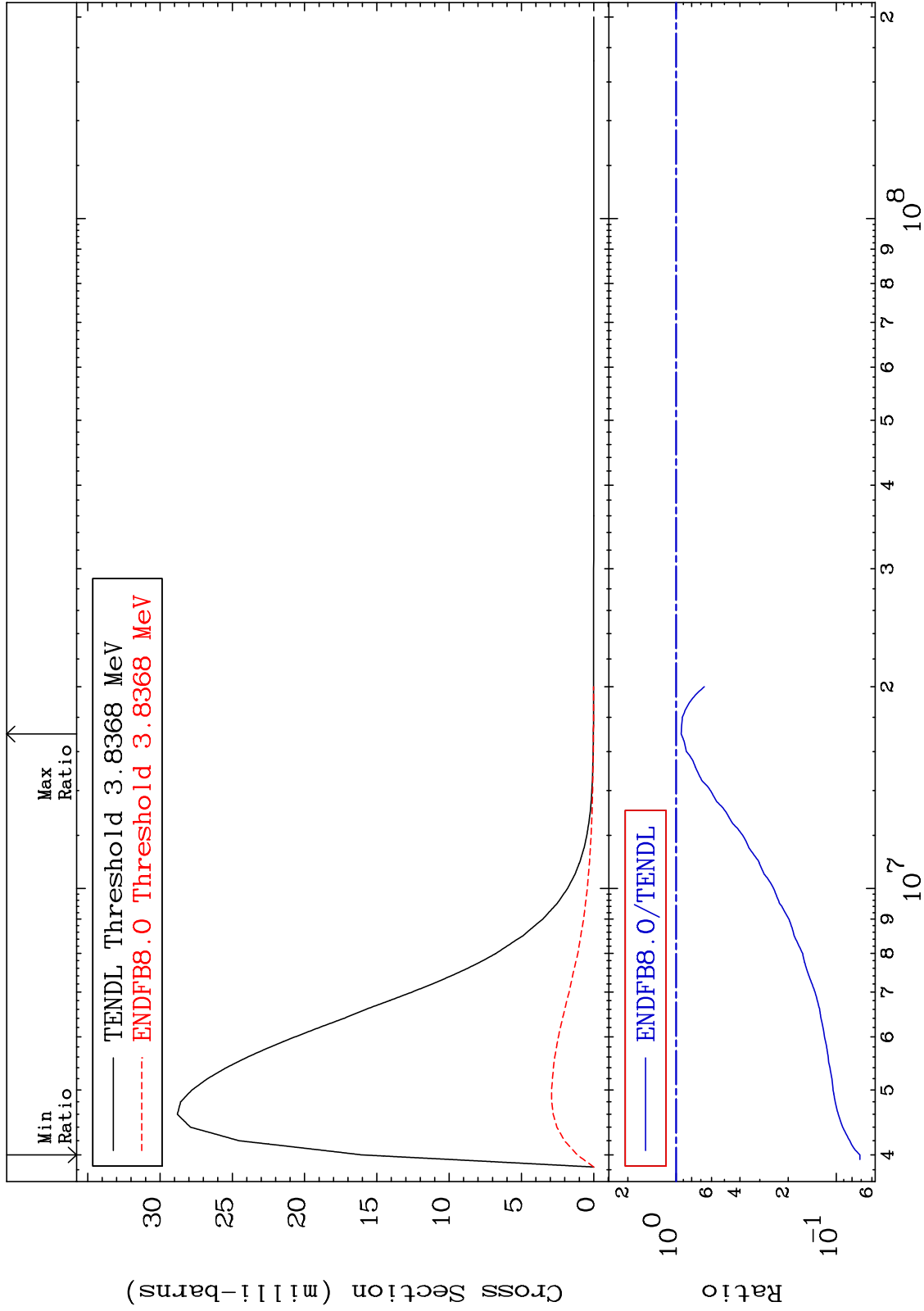
Incident Energy (eV)

18-Ar-39

MAT 1834

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

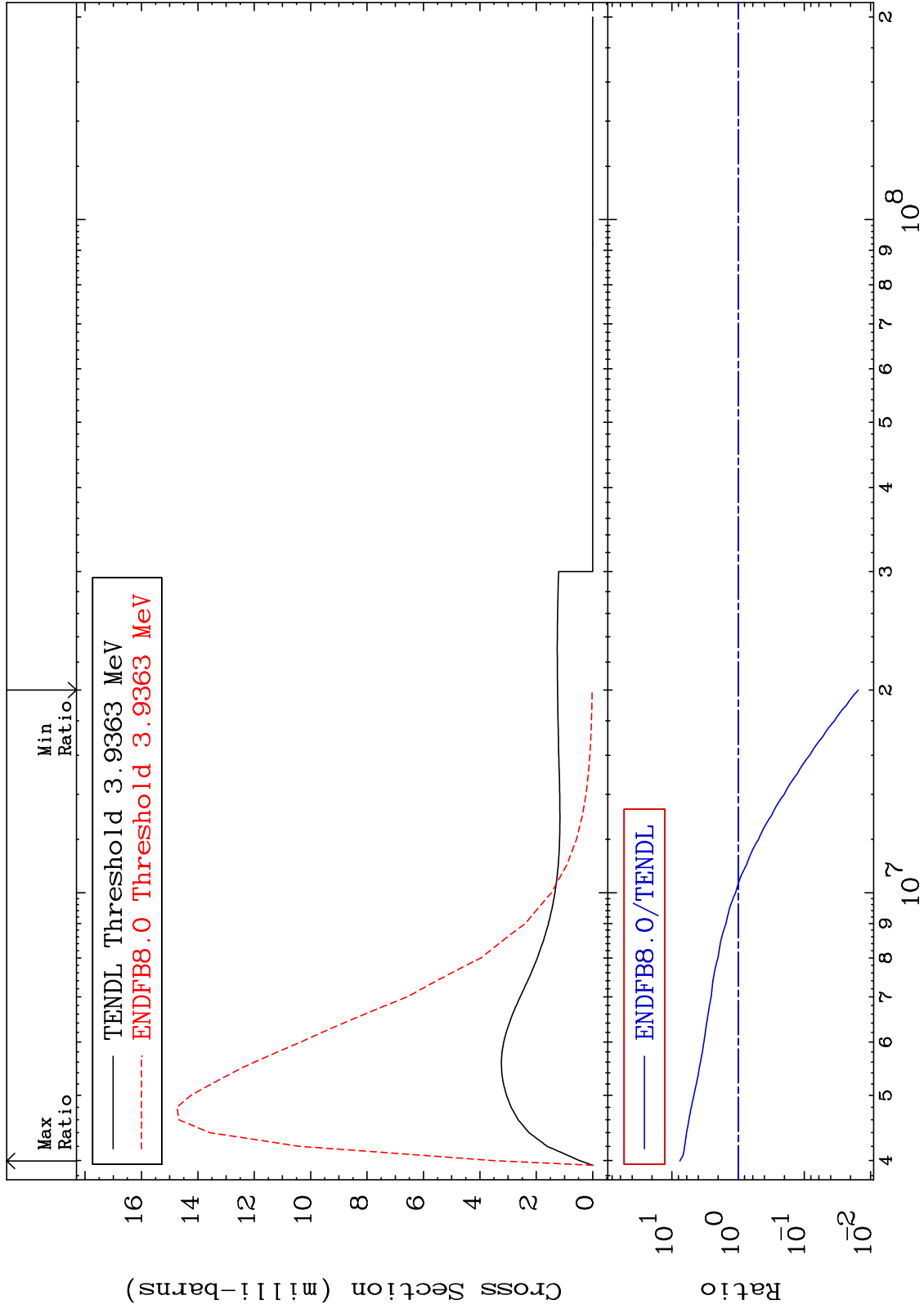
18-Ar-39
-92.87 To -7.148%



MAT 1834

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

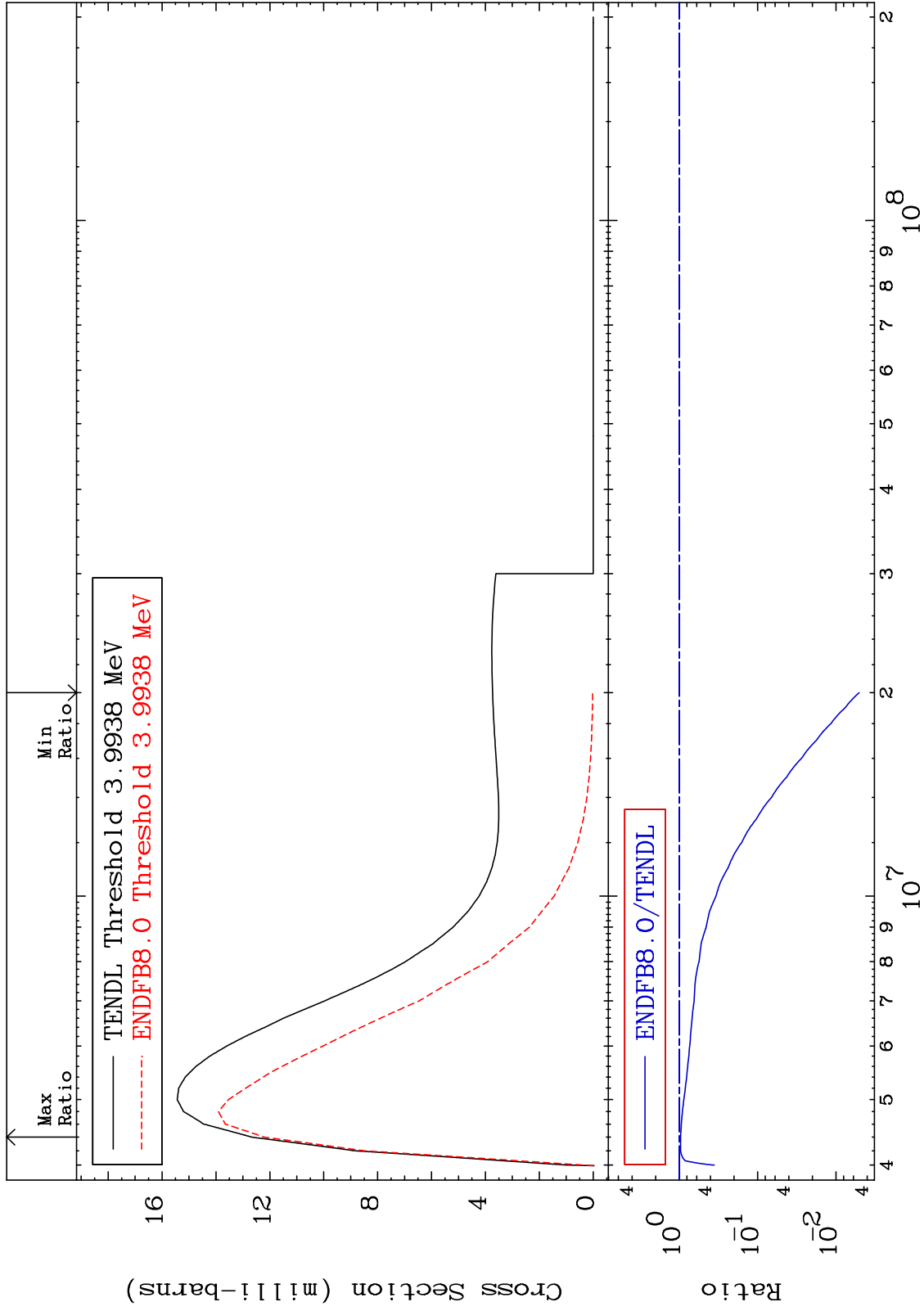
18-Ar-39
-98.48 To 655.0 %



MAT 1834

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

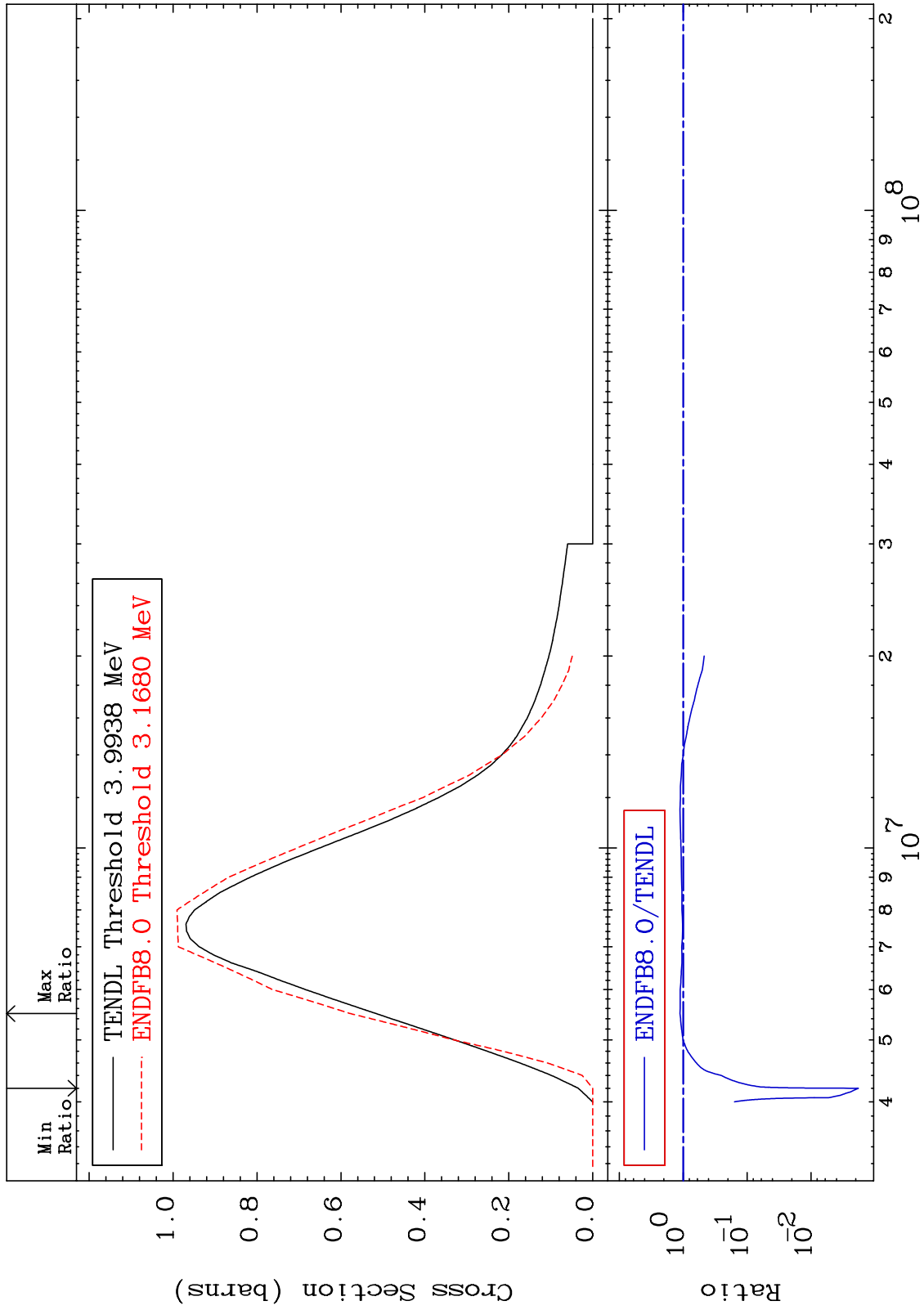
18-Ar-39
-99.49 To -3.654%



MAT 1834

(n,n') Continuum
Cross Section

18-Ar-39
-99.82 To 11.99 %



35

Incident Energy (eV)

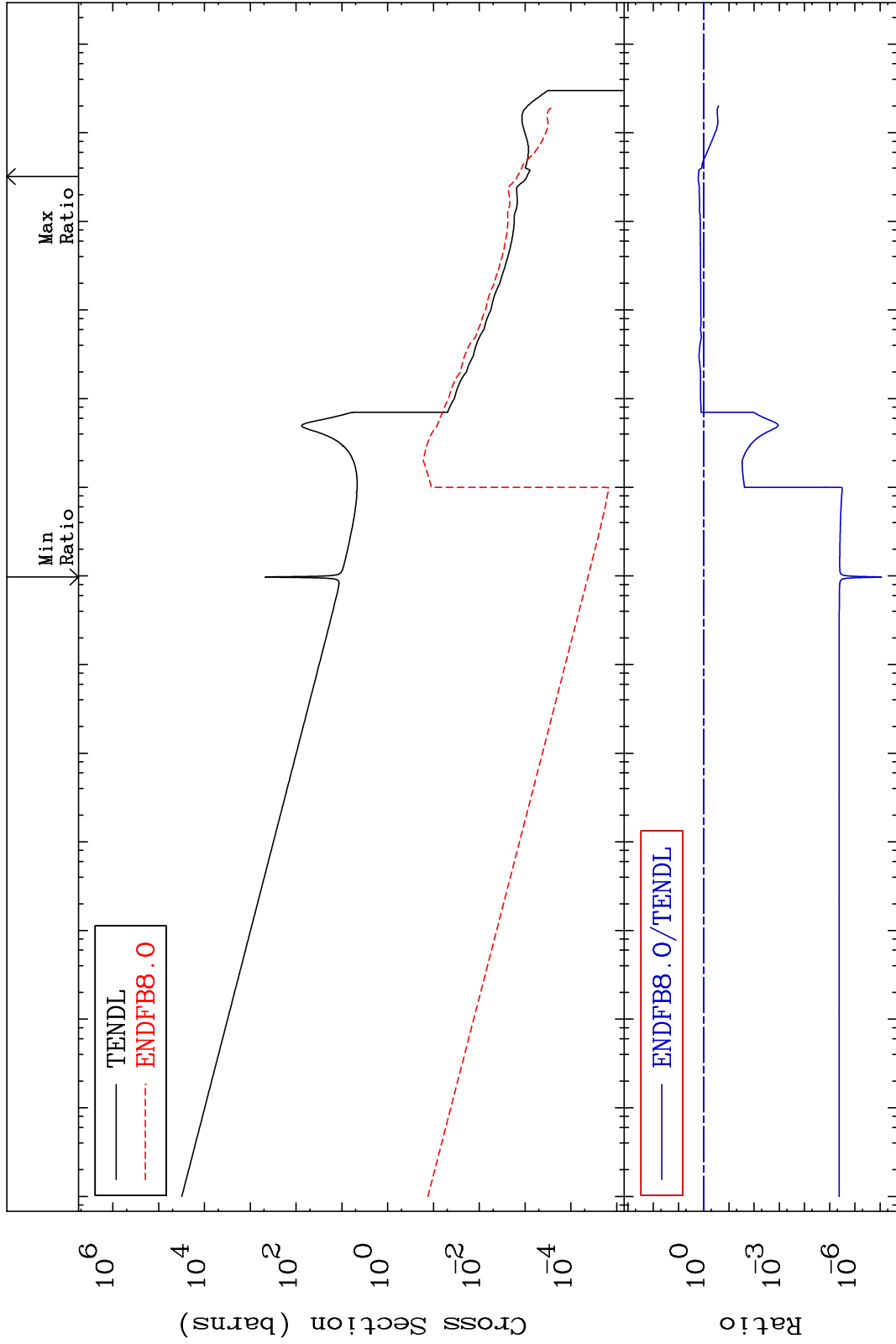
18-Ar-39

MAT 1834

18-Ar-39

-100.0 To 62.75 %

(n, γ)
Cross Section



18-Ar-39

Incident Energy (eV)

36

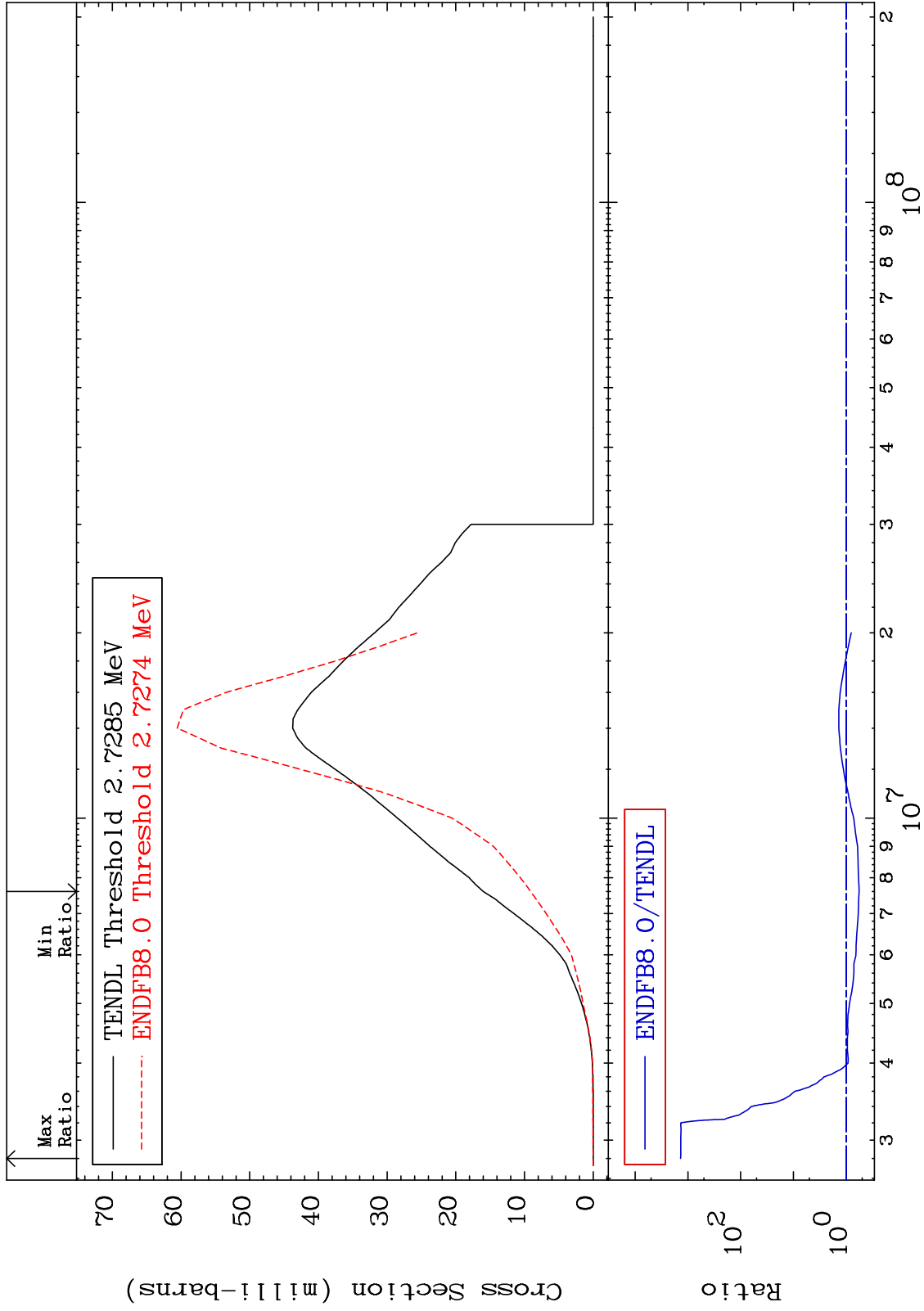
MAT 1834

(n,p)

18-Ar-39

Cross Section

-43.14 To 9999. %



37

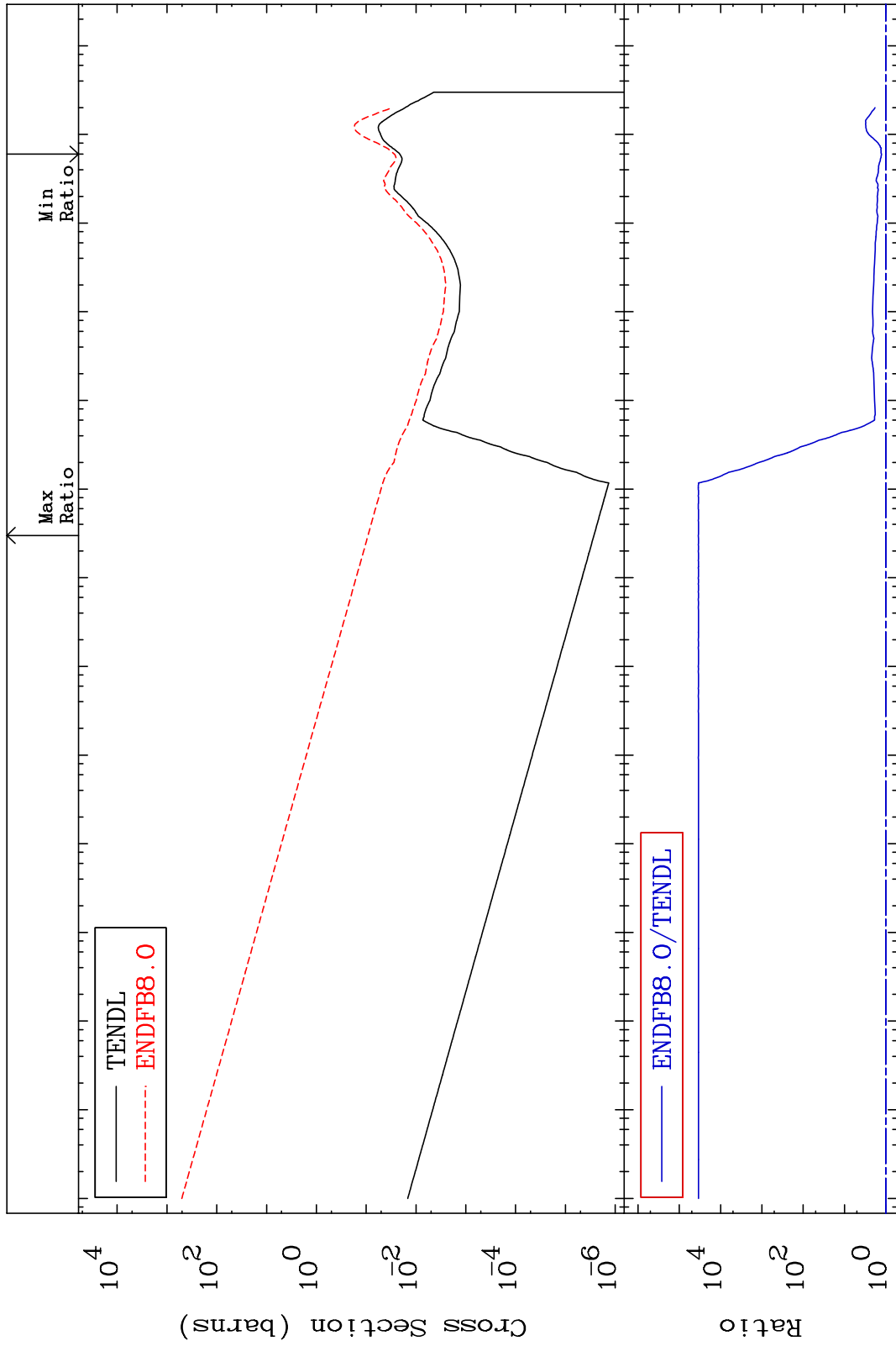
Incident Energy (eV)

18-Ar-39

MAT 1834

(n, α)
Cross Section

18-Ar-39
26.41 To 9999. %



38

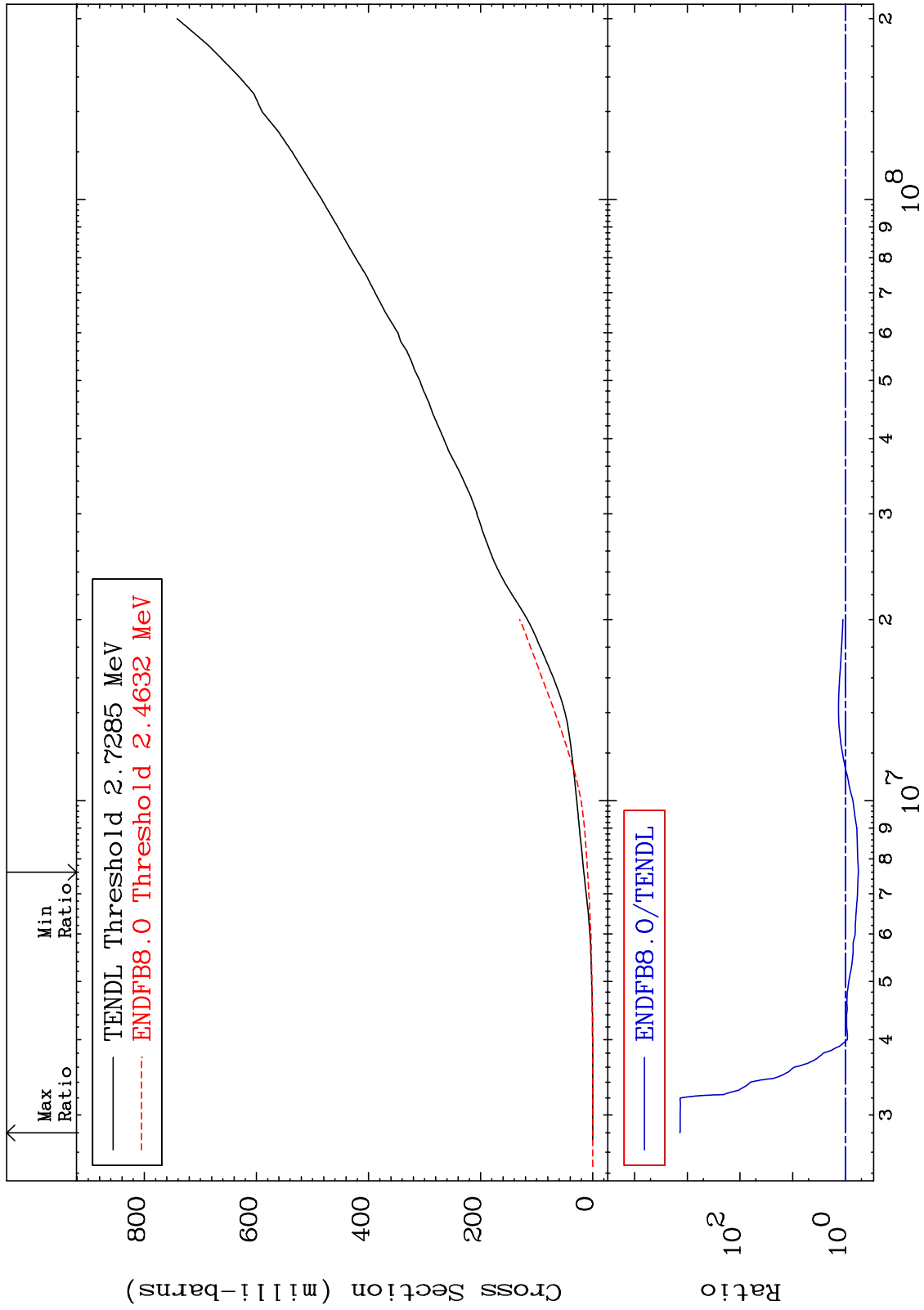
Incident Energy (eV)

18-Ar-39

MAT 1834

Hydrogen Production
Cross Section

18-Ar-39
-43.14 To 9999. %



39

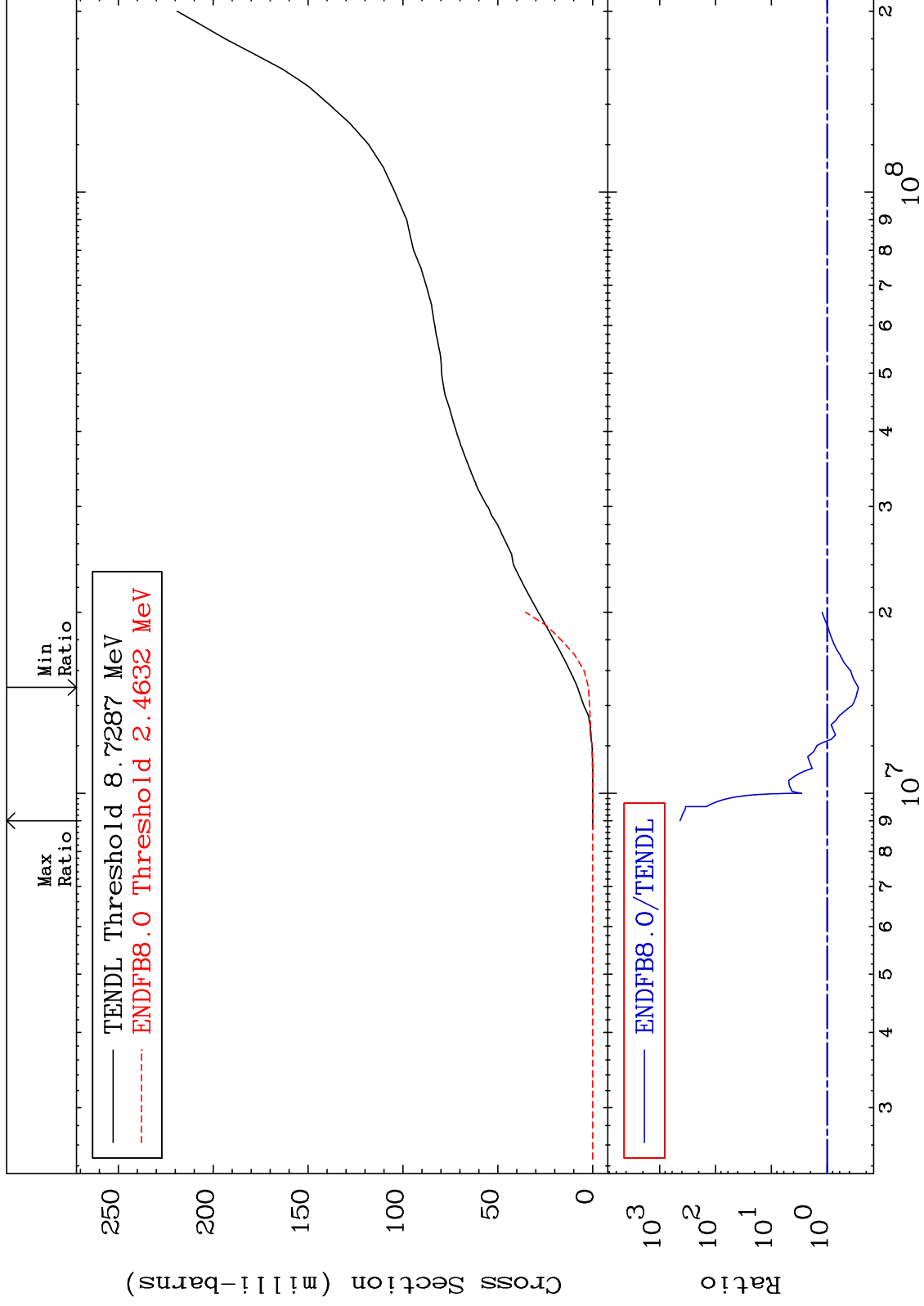
Incident Energy (eV)

18-Ar-39

MAT 1834

Deuterium Production
Cross Section

18-Ar-39
-72.33 To 9999. %



40

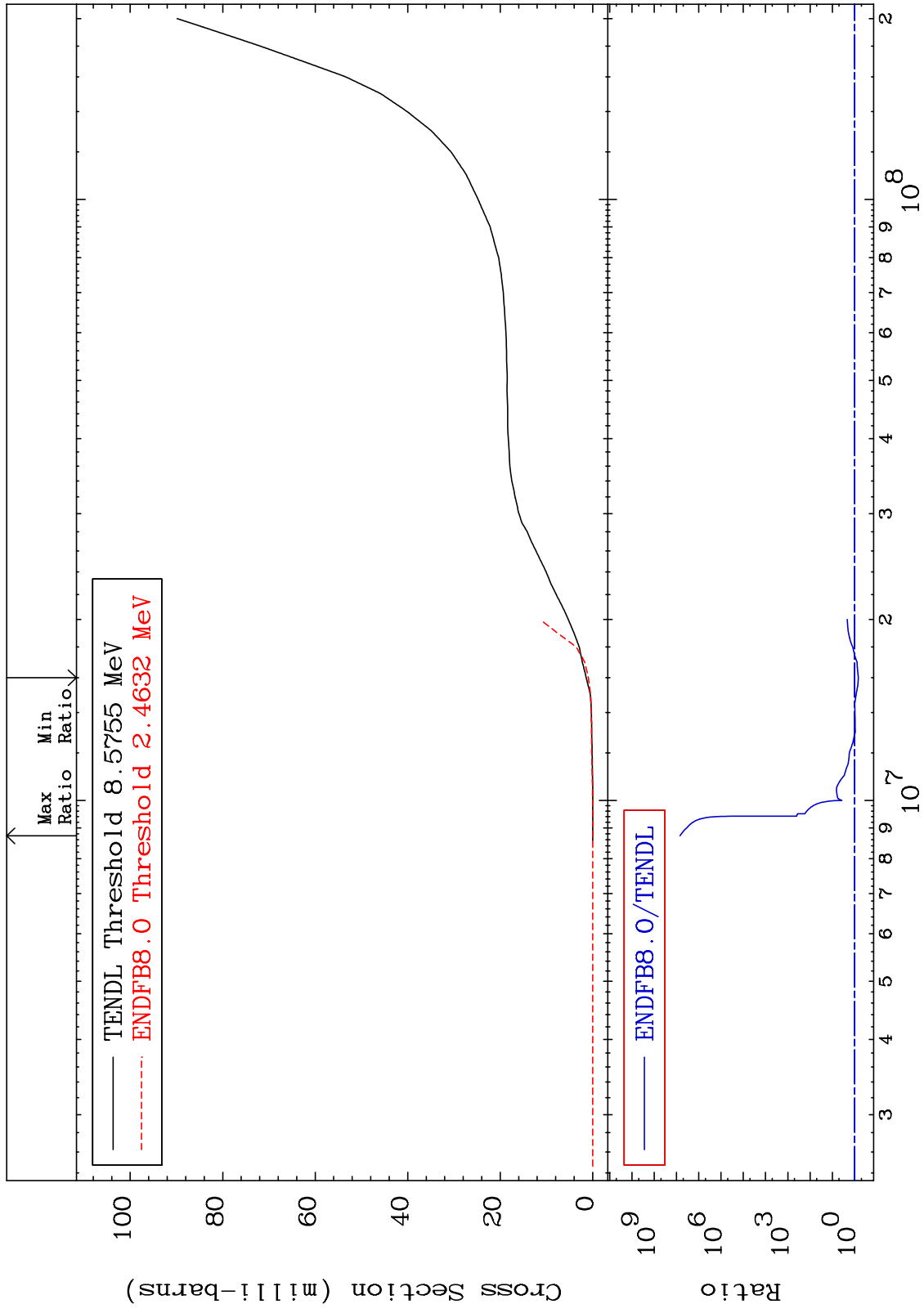
Incident Energy (eV)

18-Ar-39

MAT 1834

Tritium Production
Cross Section

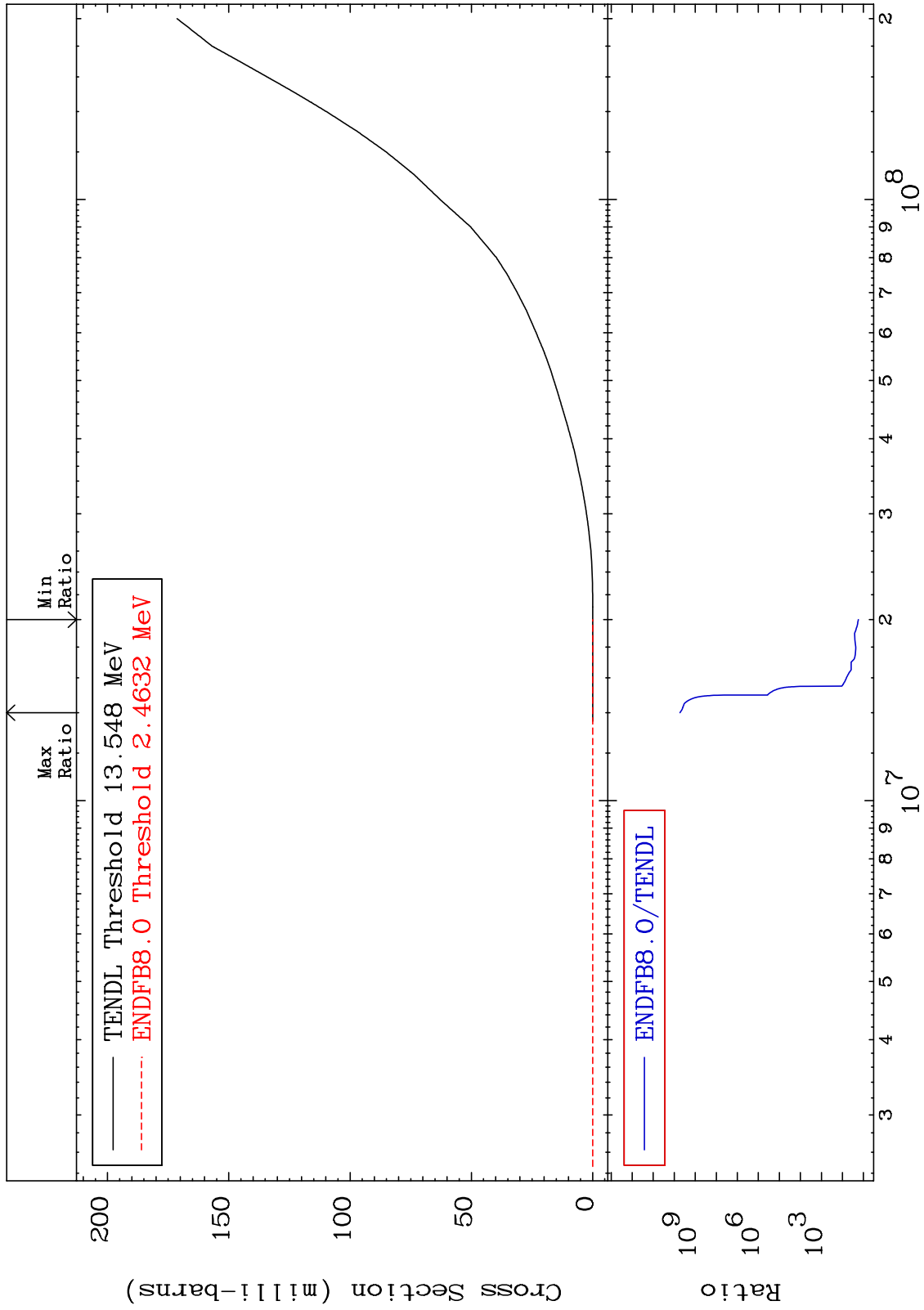
18-Ar-39
-32.44 To 9999. %



MAT 1834

He-3 Production
Cross Section

18-Ar-39
1643. To 9999. %



42

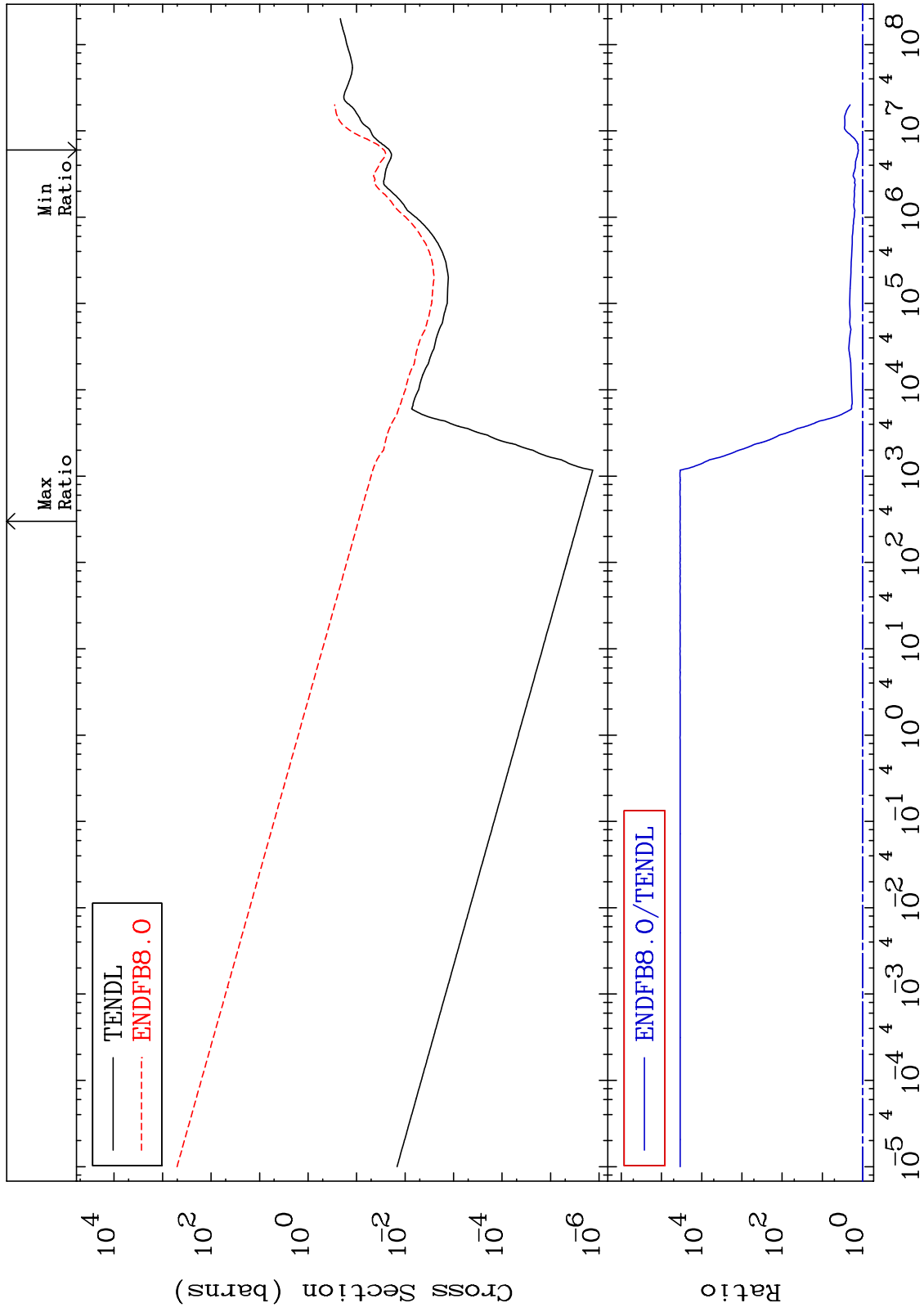
Incident Energy (eV)

18-Ar-39

MAT 1834

He-4 Production
Cross Section

18-Ar-39
26.41 To 9999. %



43

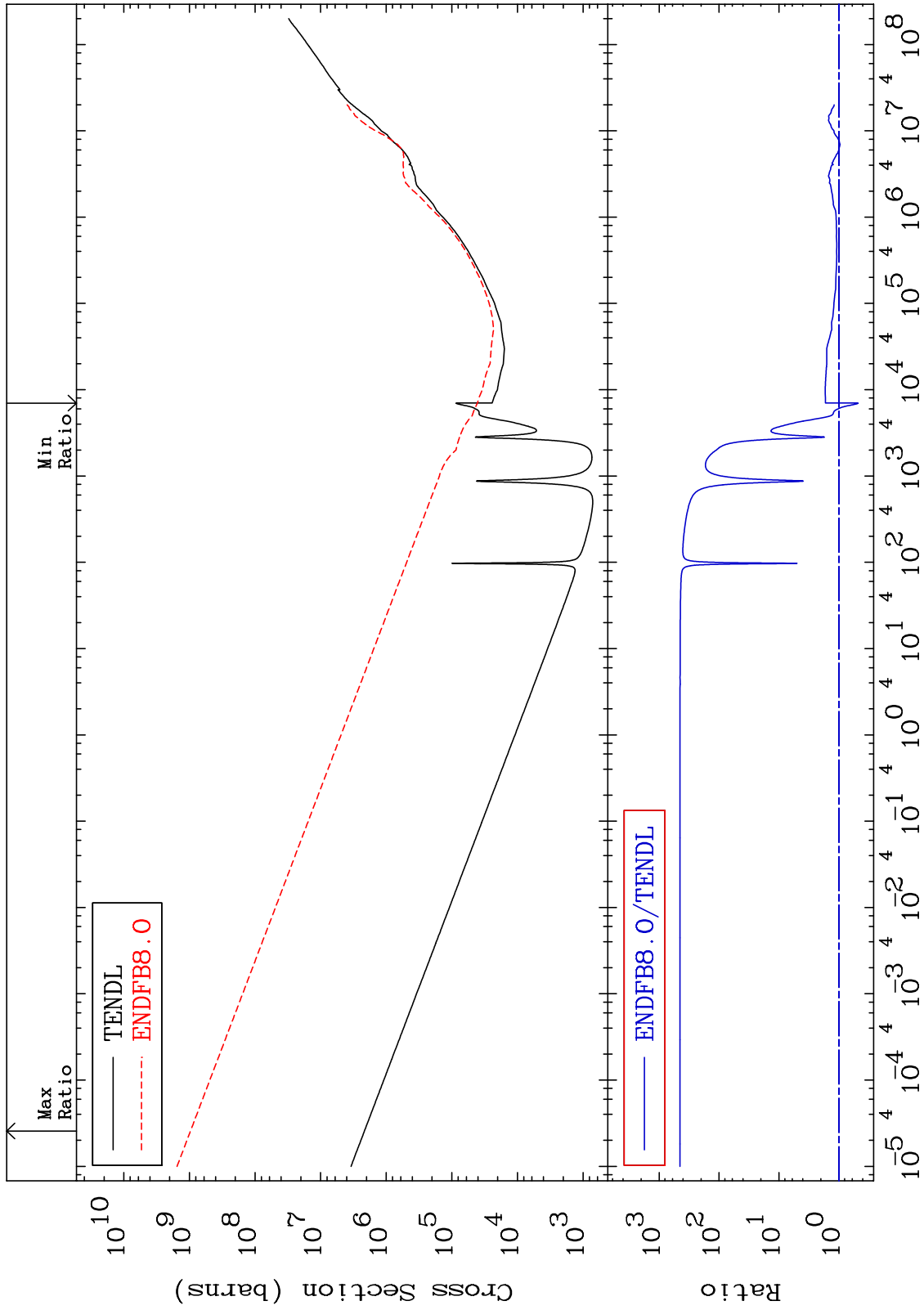
Incident Energy (eV)

18-Ar-39

MAT 1834

Kerma total (eV-barns)
Cross Section

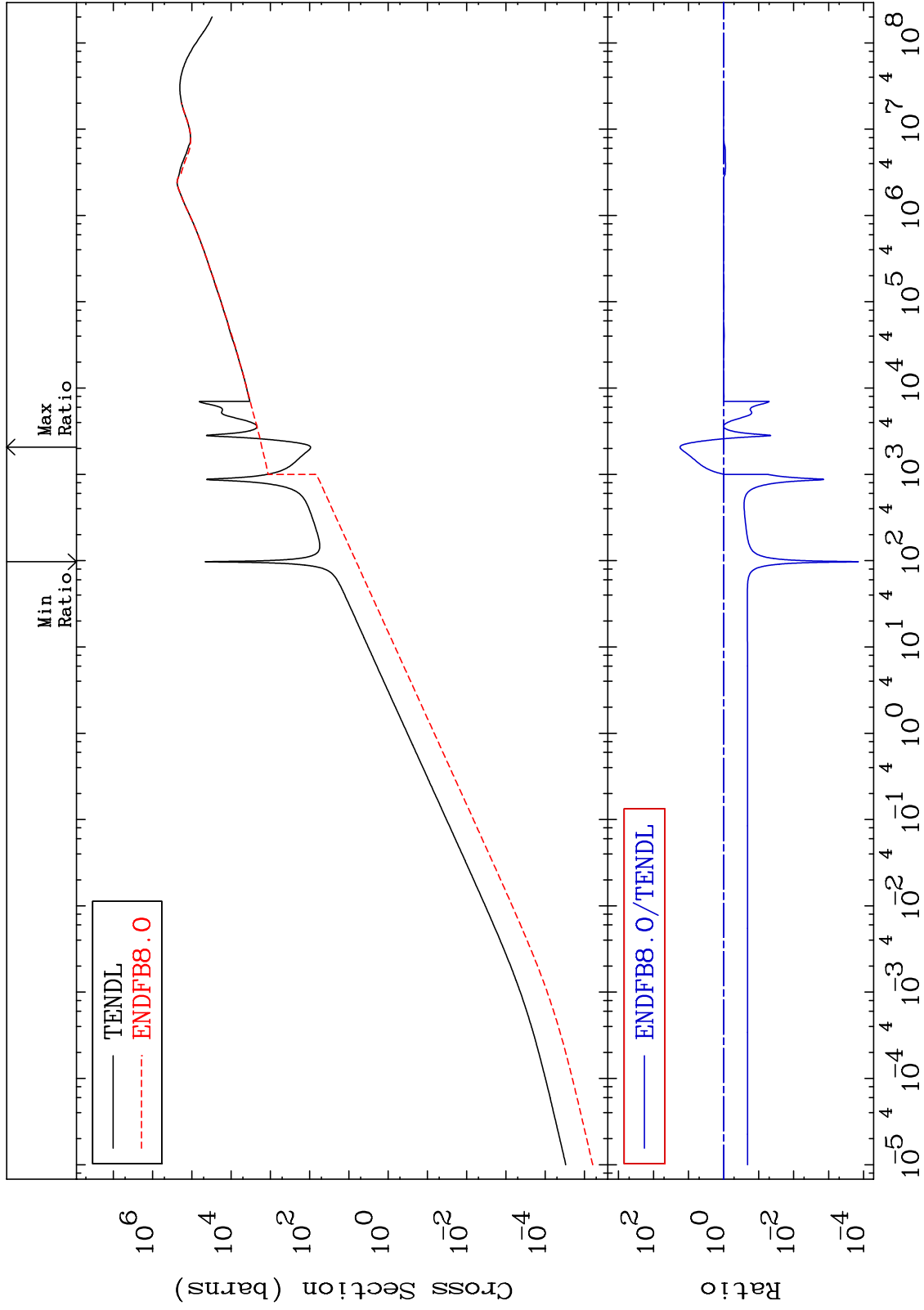
18-Ar-39
-52.80 To 9999. %



MAT 1834

Kerma elastic
Cross Section

18-Ar-39
-99.99 To 1654. %



45

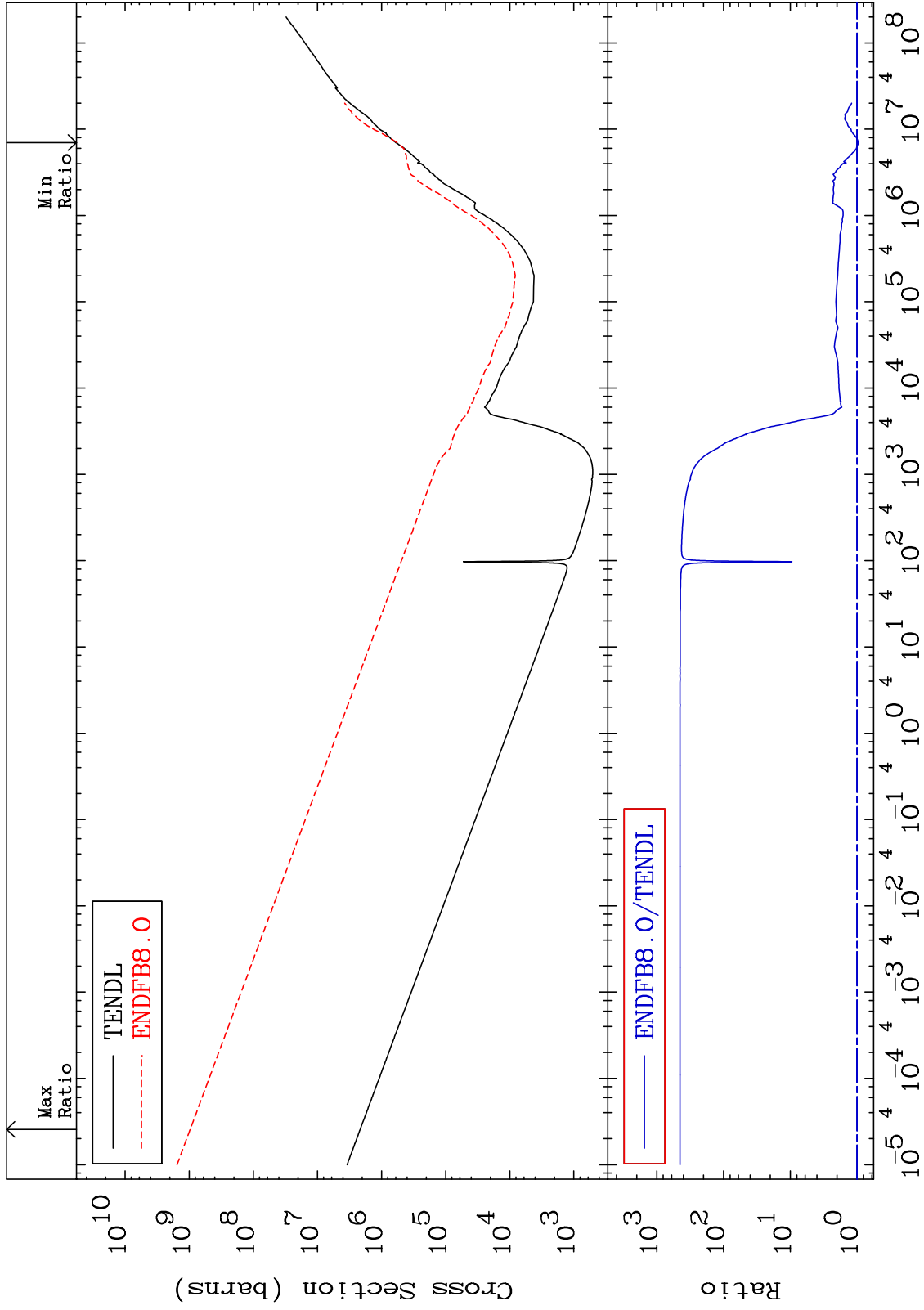
Incident Energy (eV)

18-Ar-39

MAT 1834

Kerma non-elastic (all but mt2)
Cross Section

18-Ar-39
-4.358 To 9999. %



46

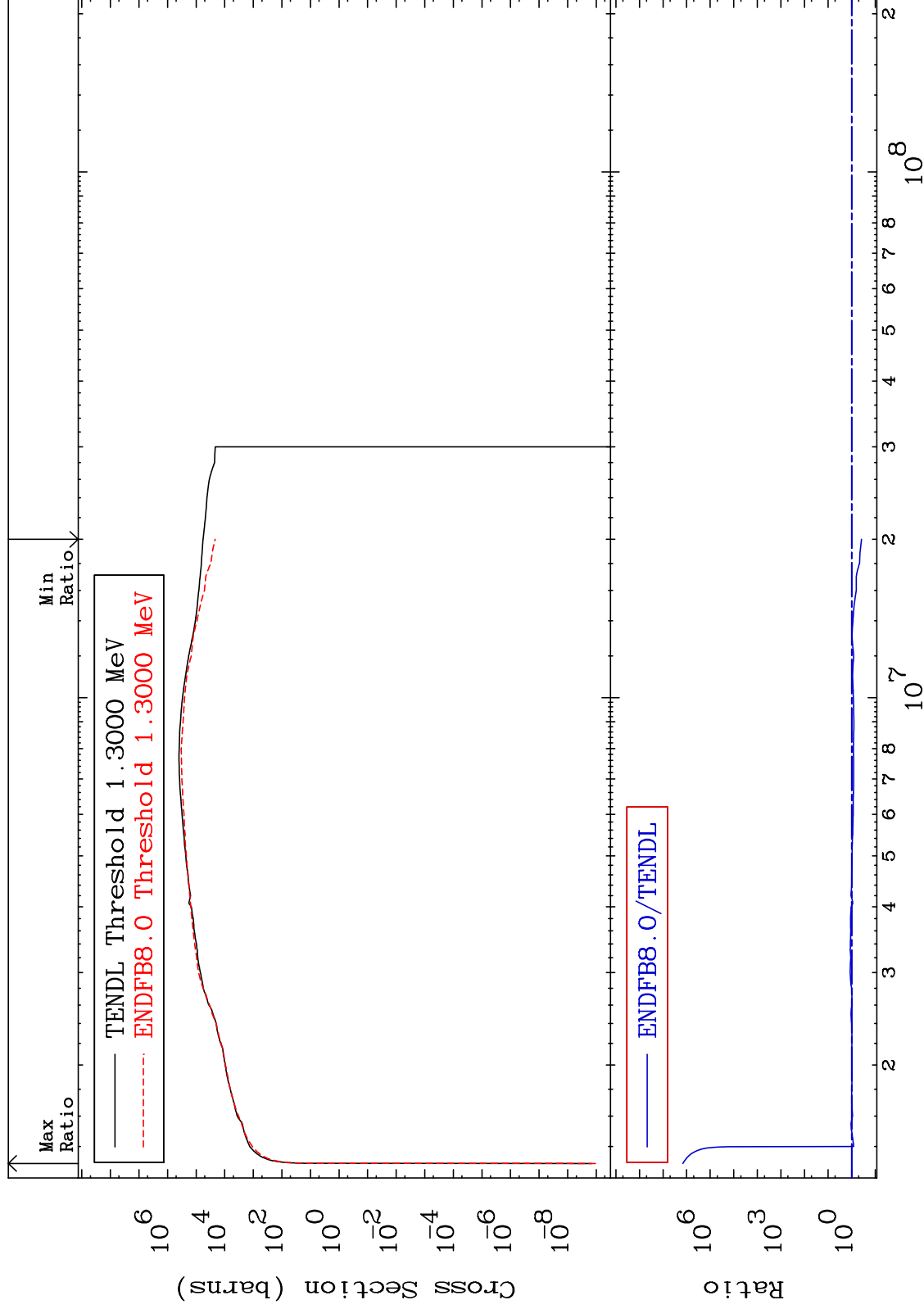
Incident Energy (eV)

18-Ar-39

MAT 1834

Kerma inelastic (mt51-91)
Cross Section

18-Ar-39
-62.16 To 9999. %



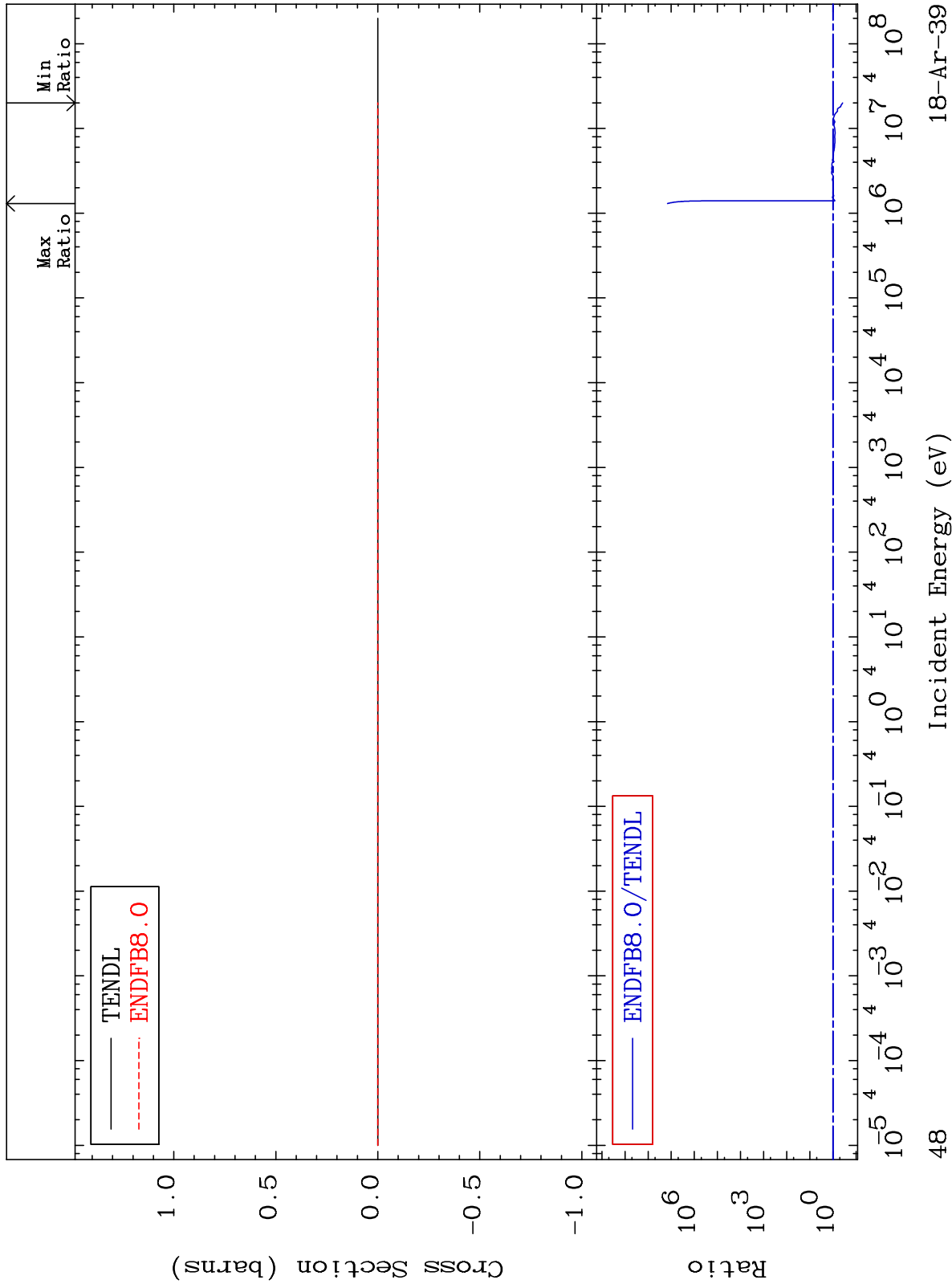
47

18-Ar-39

MAT 1834

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

18-Ar-39
-62.16 To 9999. %



48

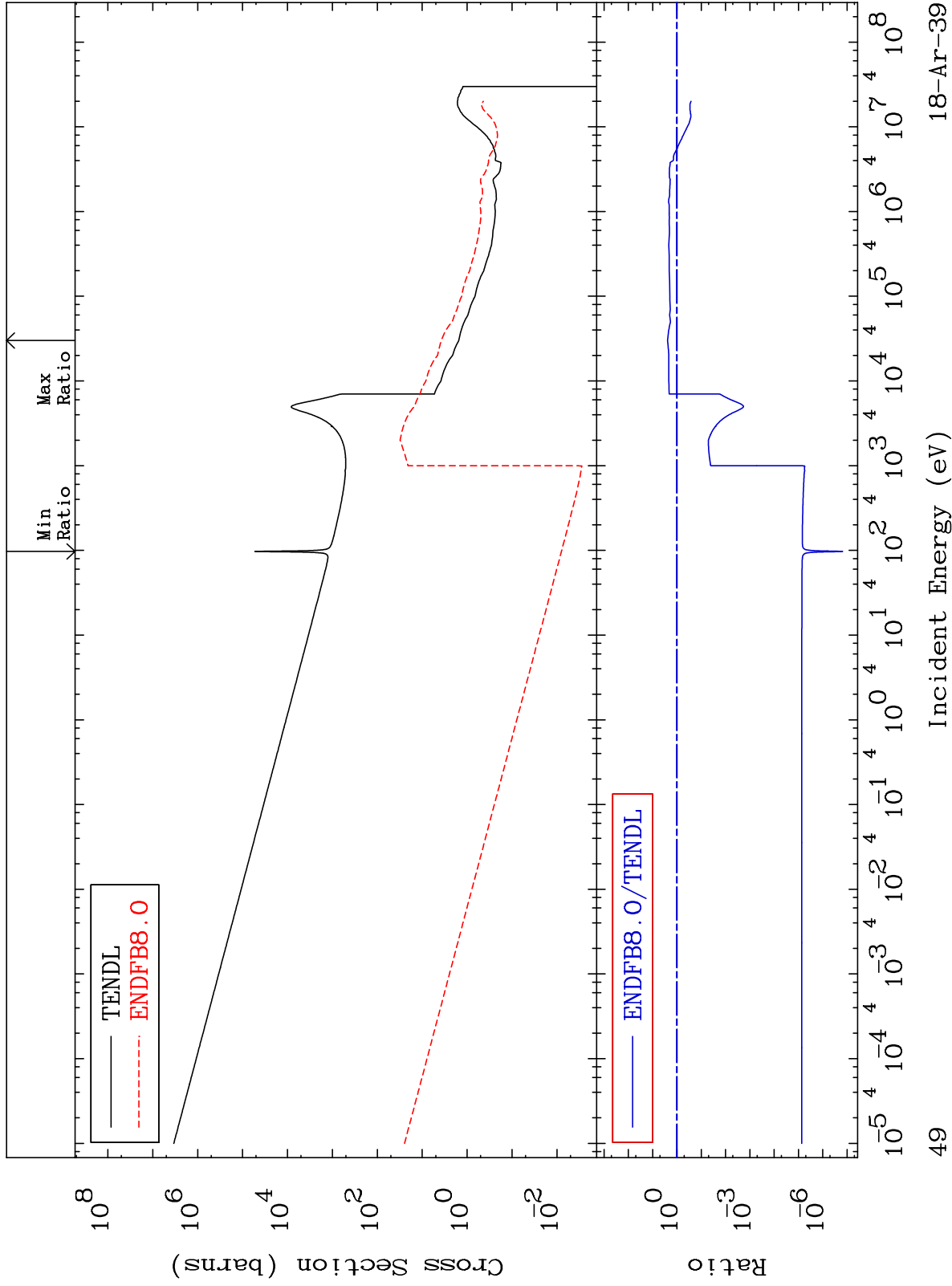
Incident Energy (eV)

18-Ar-39

MAT 1834

Kerma capture (mt102)
Cross Section

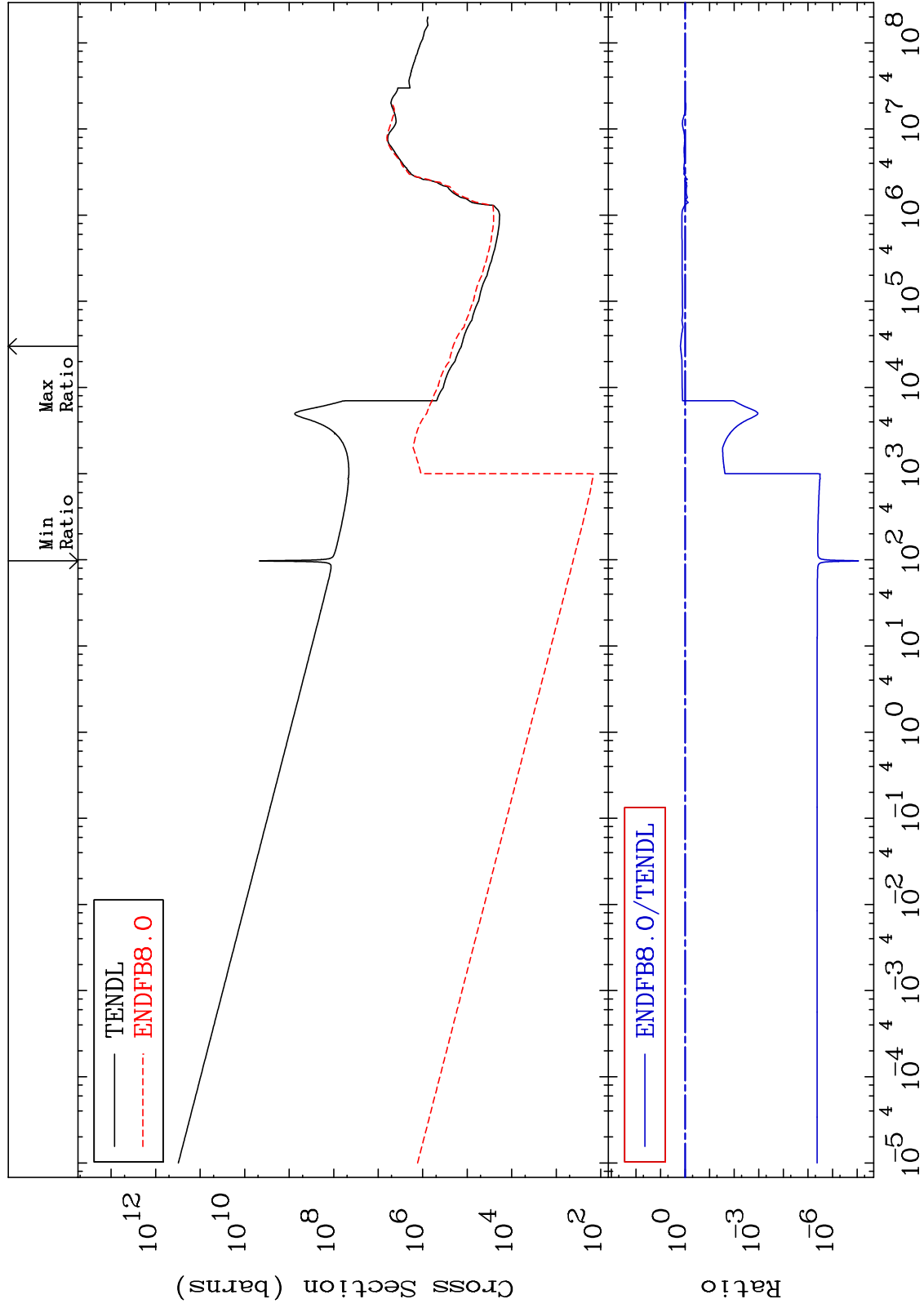
18-Ar-39
-100.0 To 144.1 %



MAT 1834

Total photon (eV-barns)
Cross Section

18-Ar-39
-100.0 To 54.14 %



50

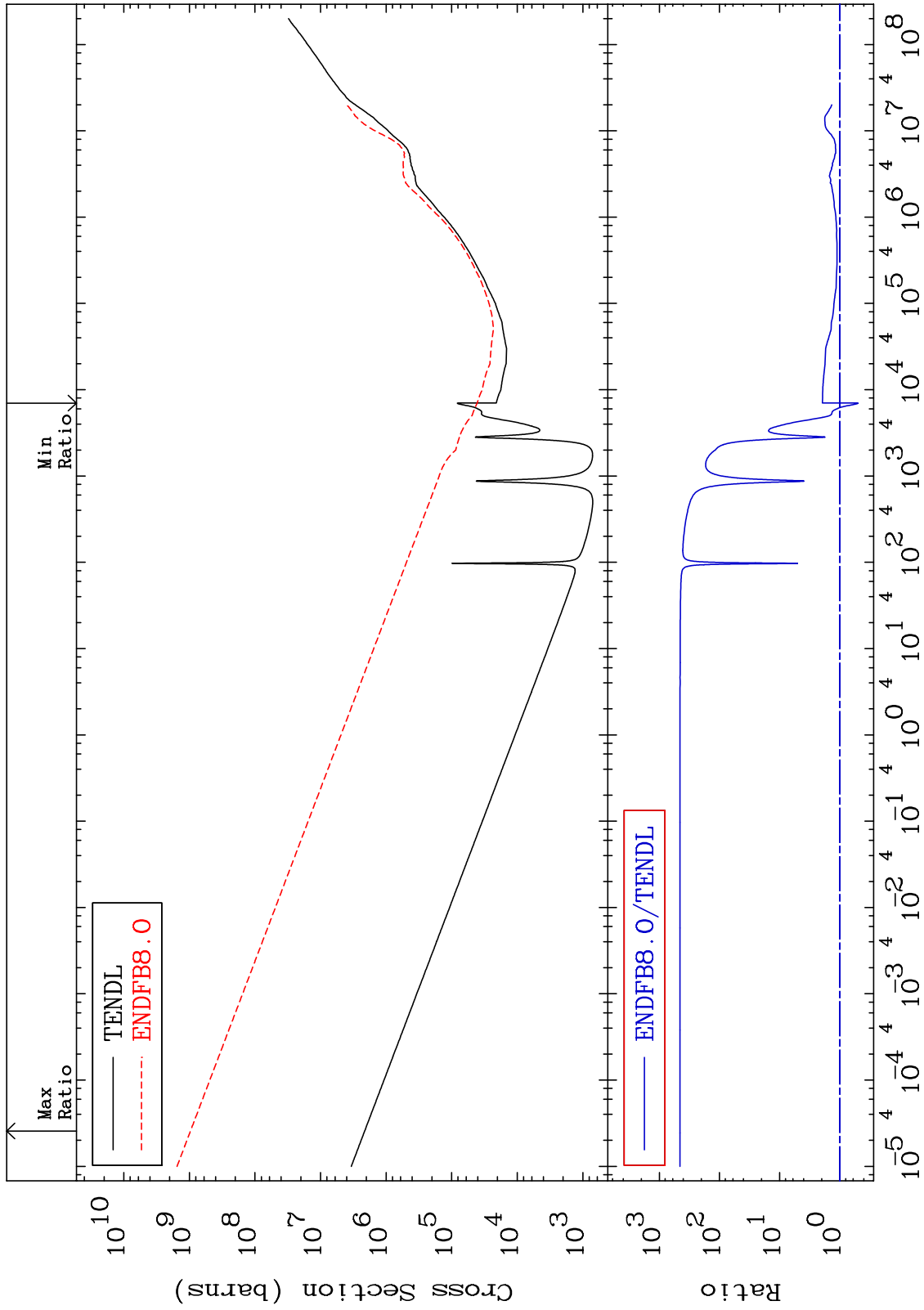
Incident Energy (eV)

18-Ar-39

MAT 1834

Total kinematic kerma (high limit)
Cross Section

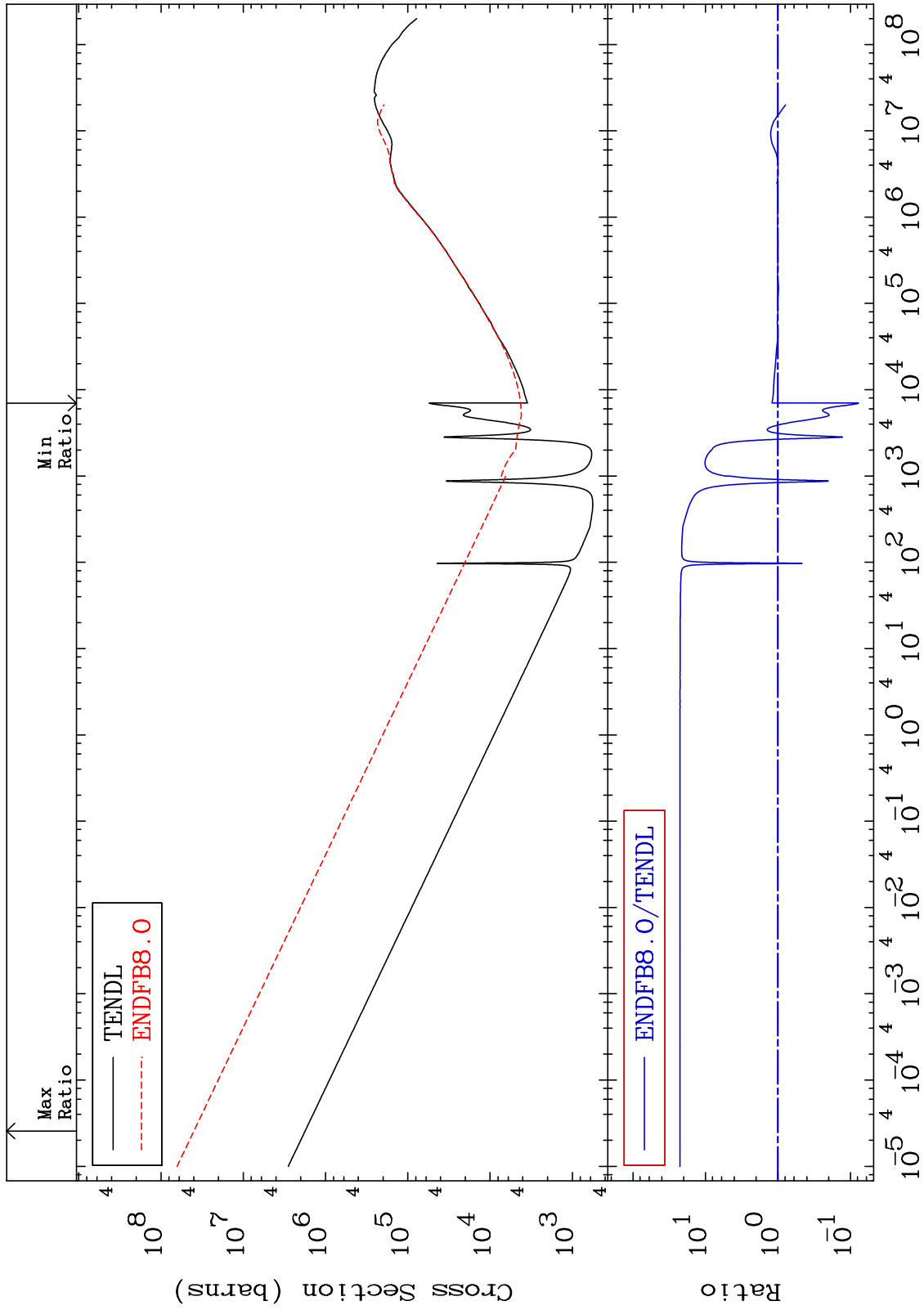
18-Ar-39
-50.91 To 9999. %



MAT 1834

Dpa total (eV-barns)
Cross Section

18-Ar-39
-92.24 To 2150. %



52

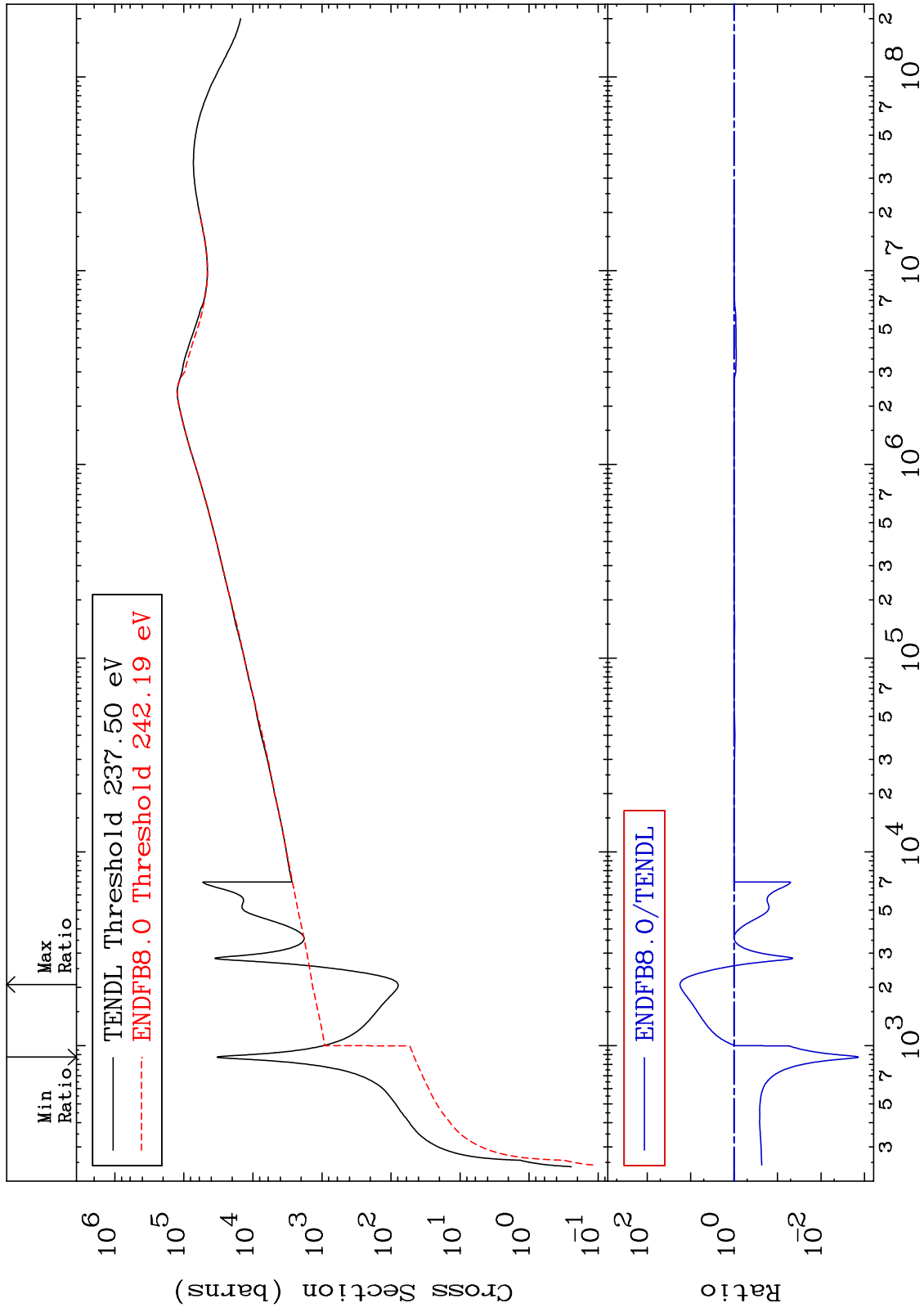
Incident Energy (eV)

18-Ar-39

MAT 1834

Dpa elastic (mt2)
Cross Section

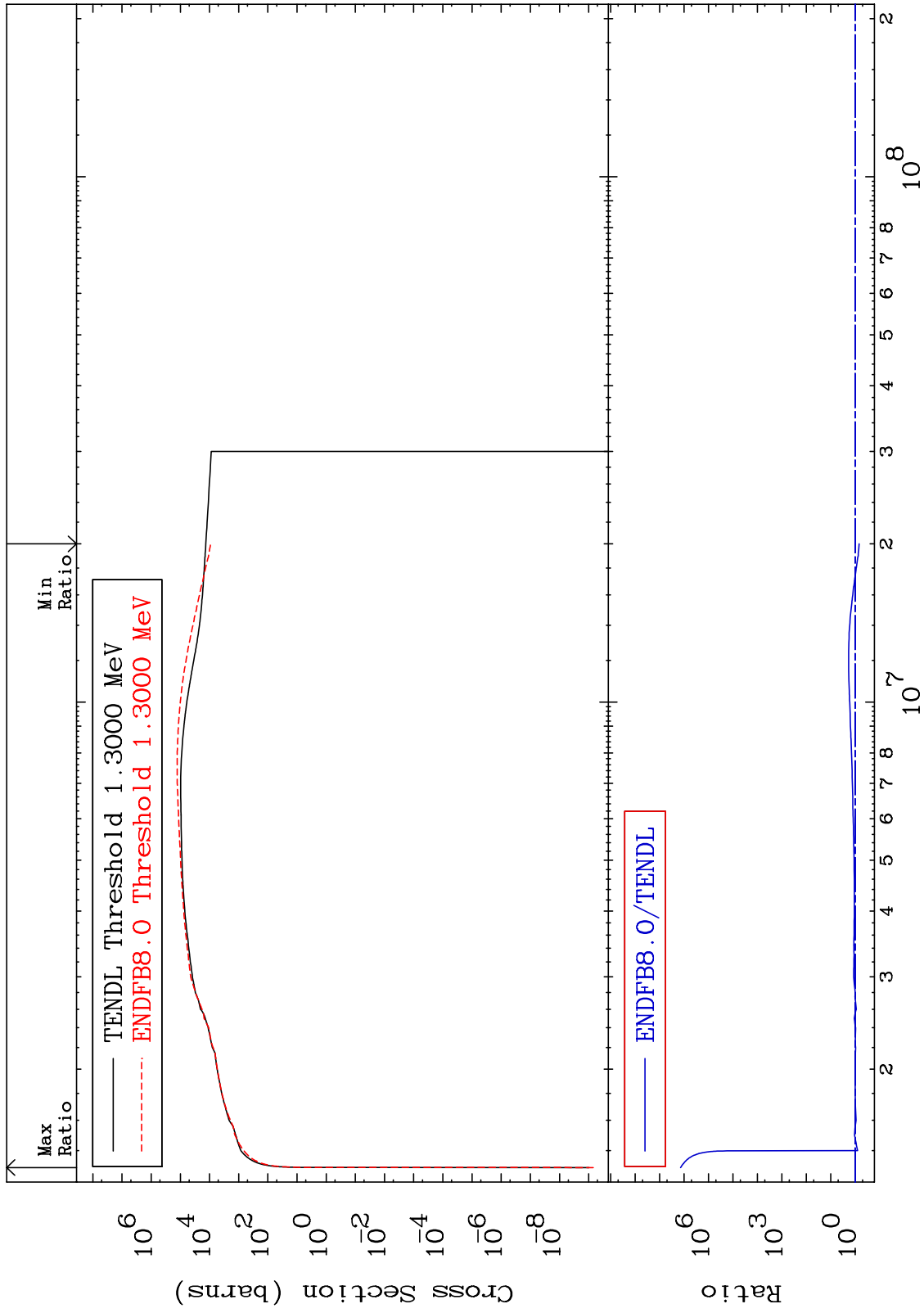
18-Ar-39
-99.86 To 1653. %



MAT 1834

Dpa inelastic (mt51-91)
Cross Section

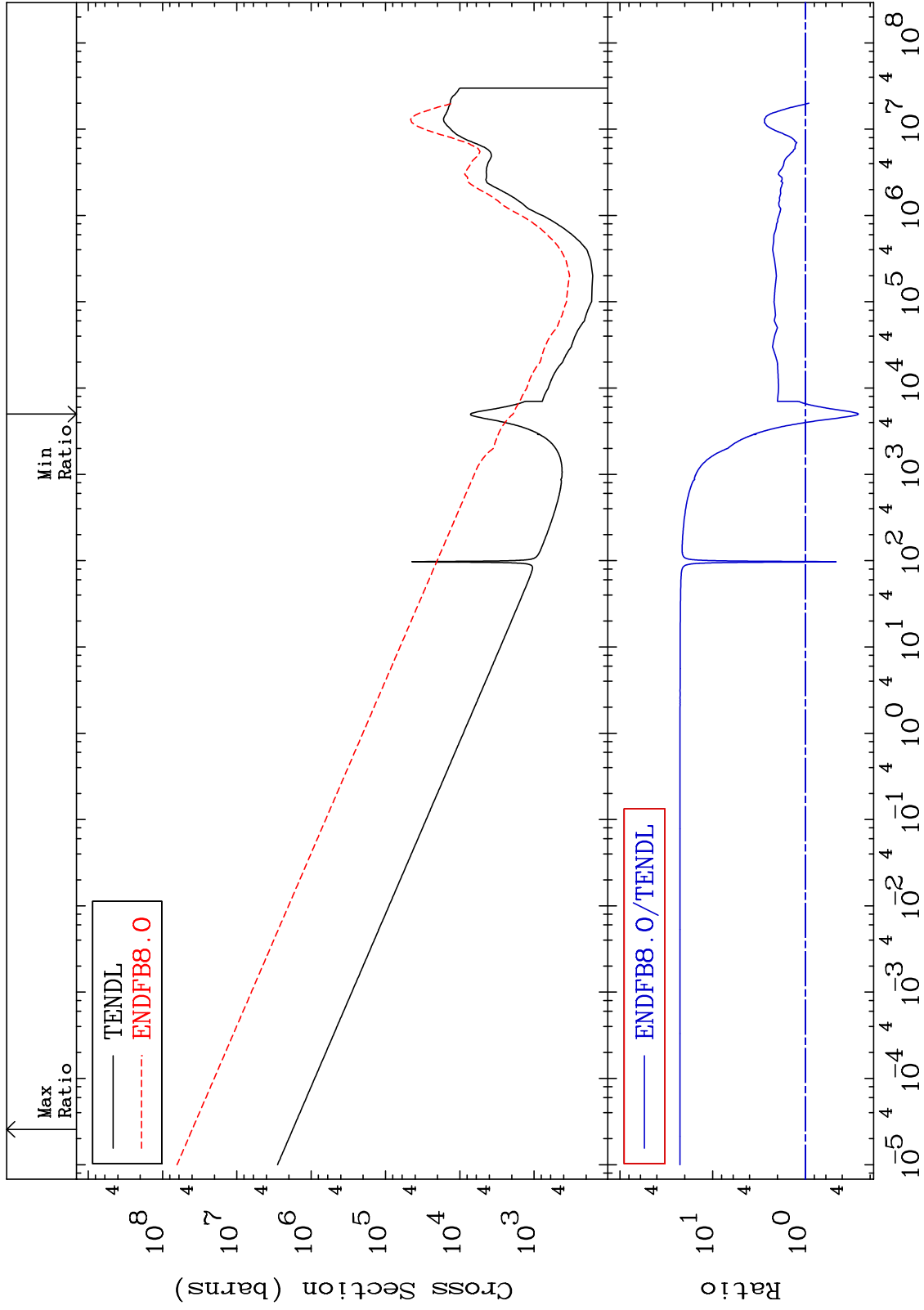
18-Ar-39
-31.45 To 9999. %



MAT 1834

Dpa disappearance (mt102 -120)
Cross Section

18-Ar-39
-73.25 To 2150. %



55

Incident Energy (eV)

18-Ar-39