

Program Complot
(Version 2018-1)

by

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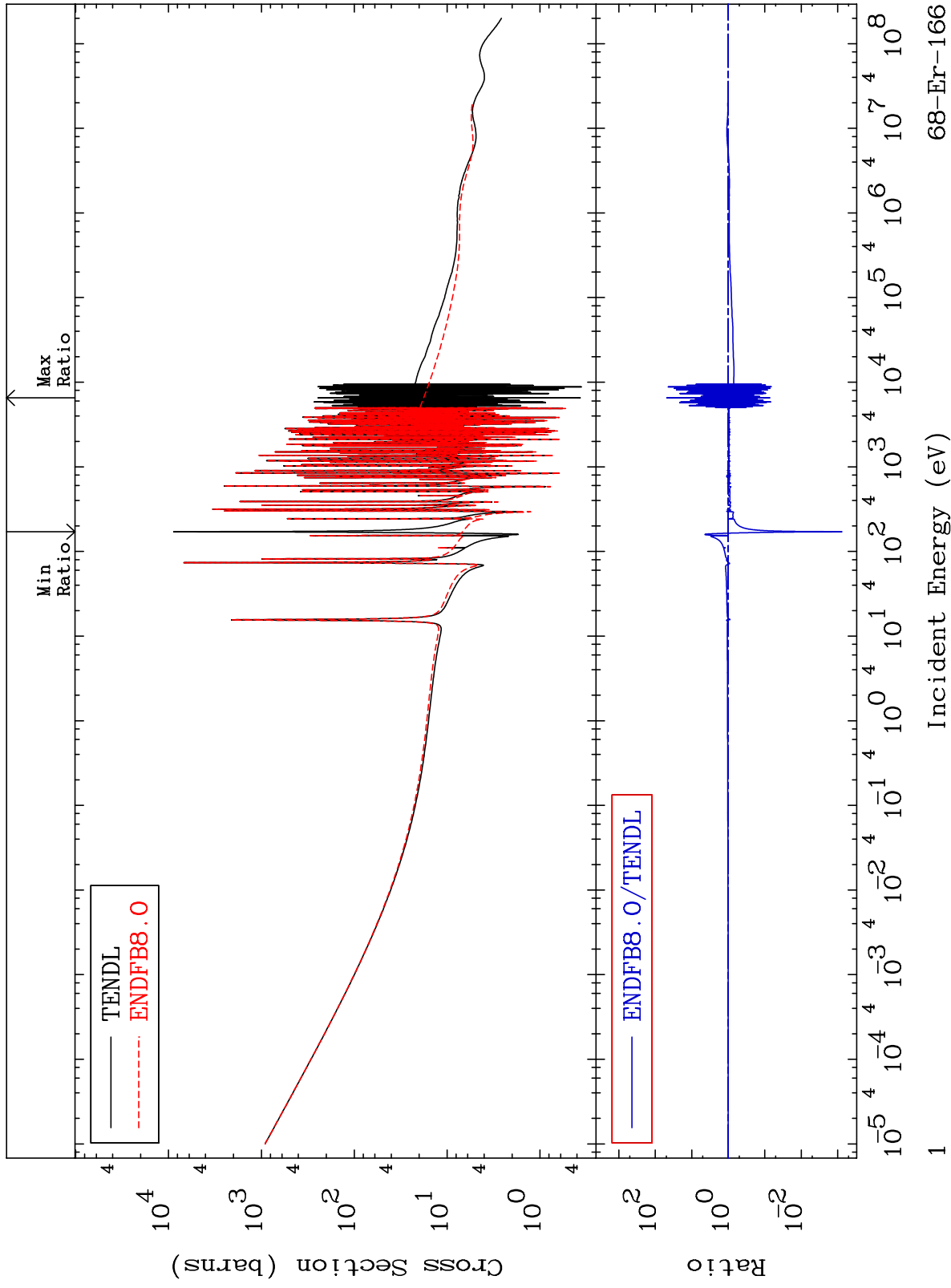
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6837

Total
Cross Section

68-Er-166
-99.92 To 4730. %



68-Er-166

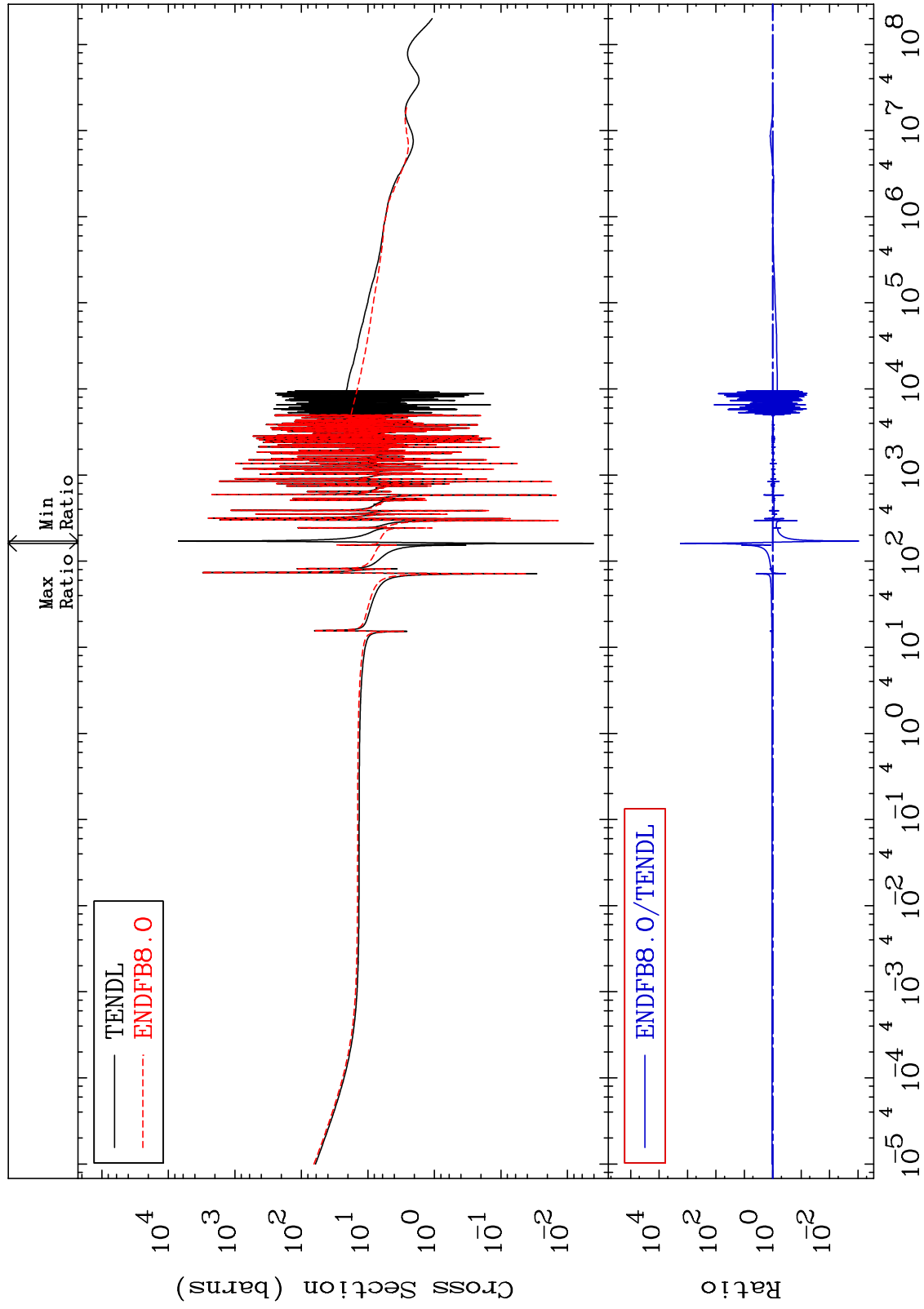
Incident Energy (eV)

1

MAT 6837

Elastic
Cross Section

68-Er-166
-99.90 To 9999. %



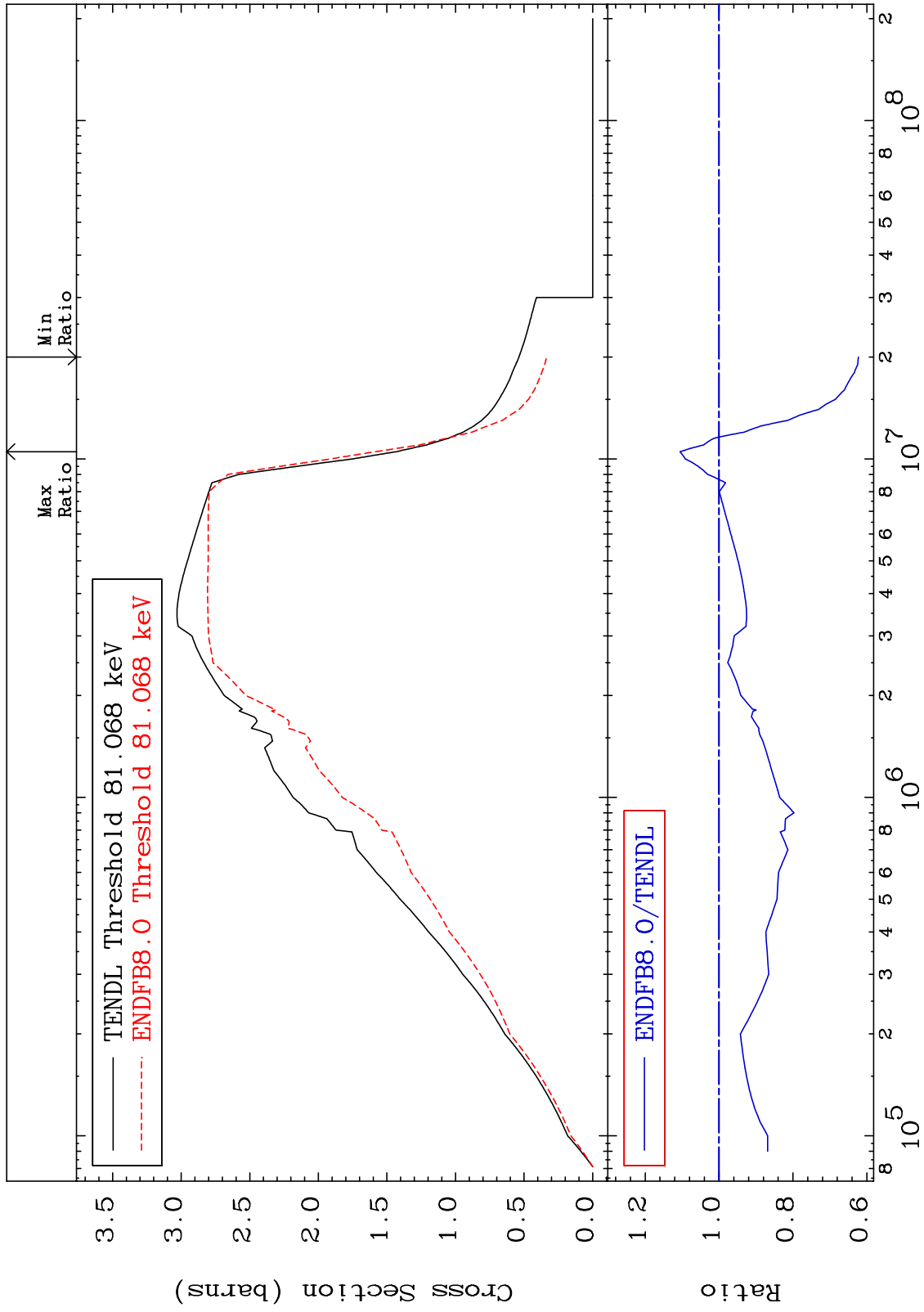
MAT 6837

68-Er-166

Inelastic

Cross Section

-37.72 To 10.57 %



68-Er-166

Incident Energy (eV)

3

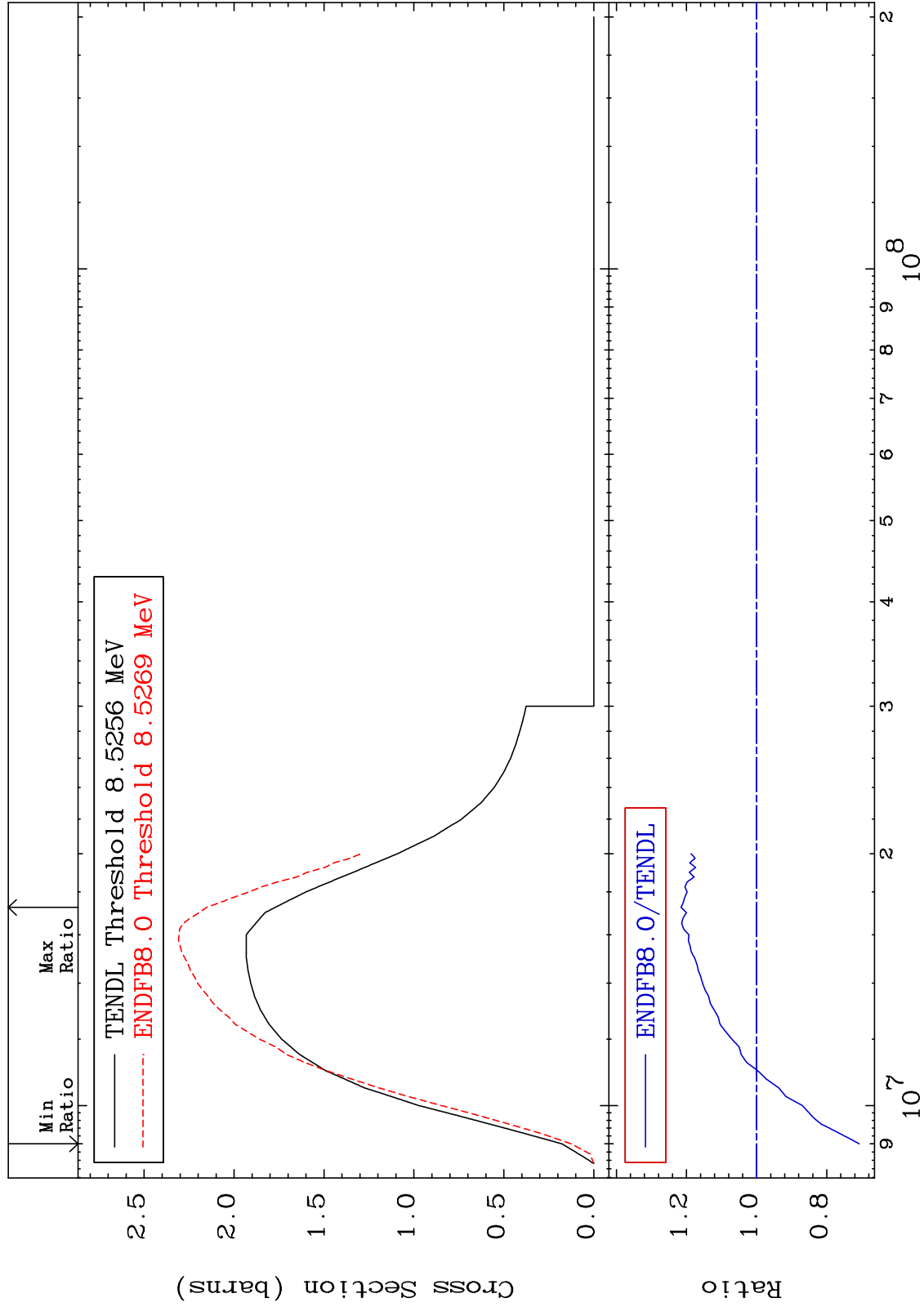
MAT 6837

(n,2n)

68-Er-166

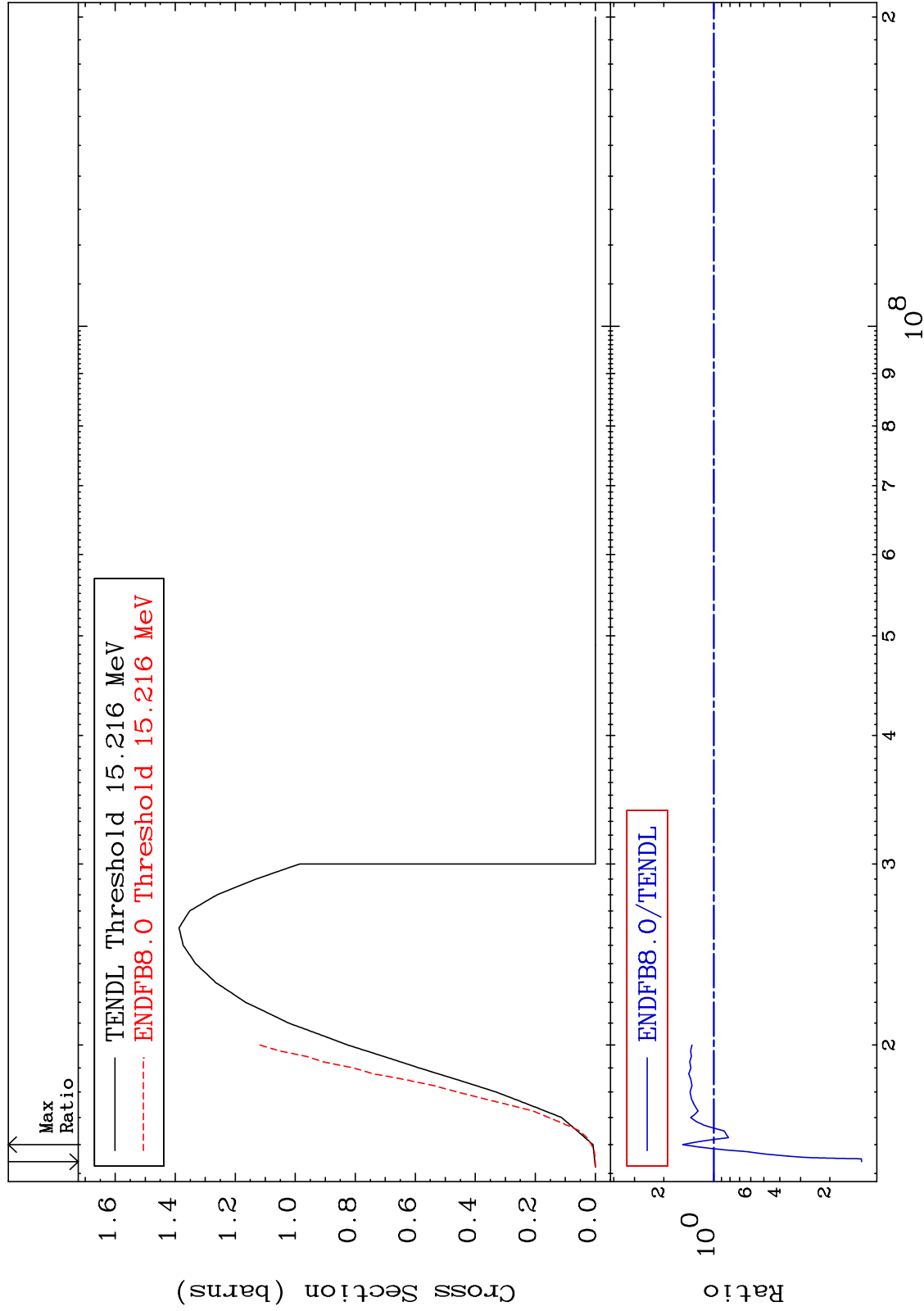
Cross Section

-29.27 To 21.56 %



Cross Section

-87.10 To 53.52 %



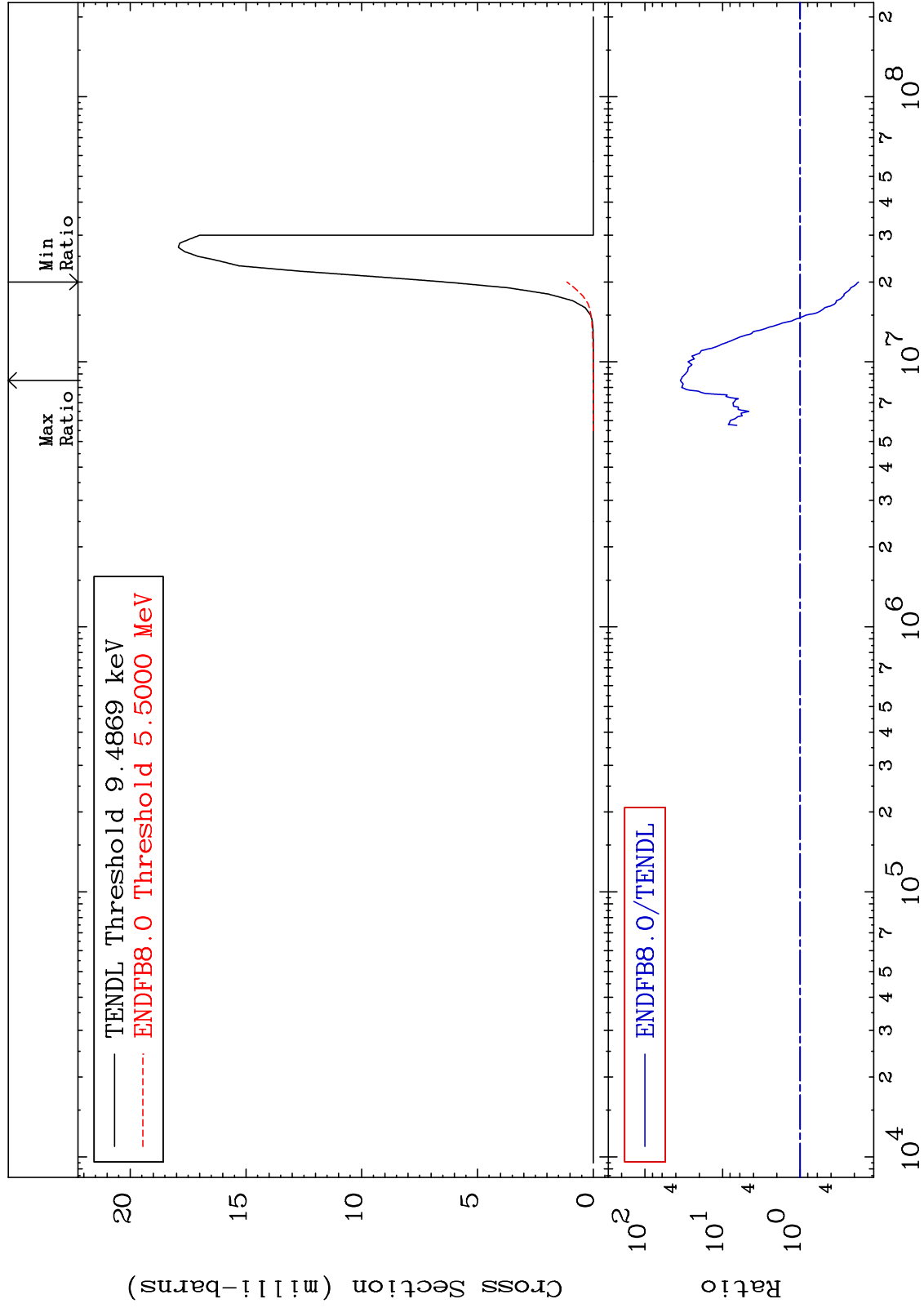
MAT 6837

(n,n') α

68-Er-166

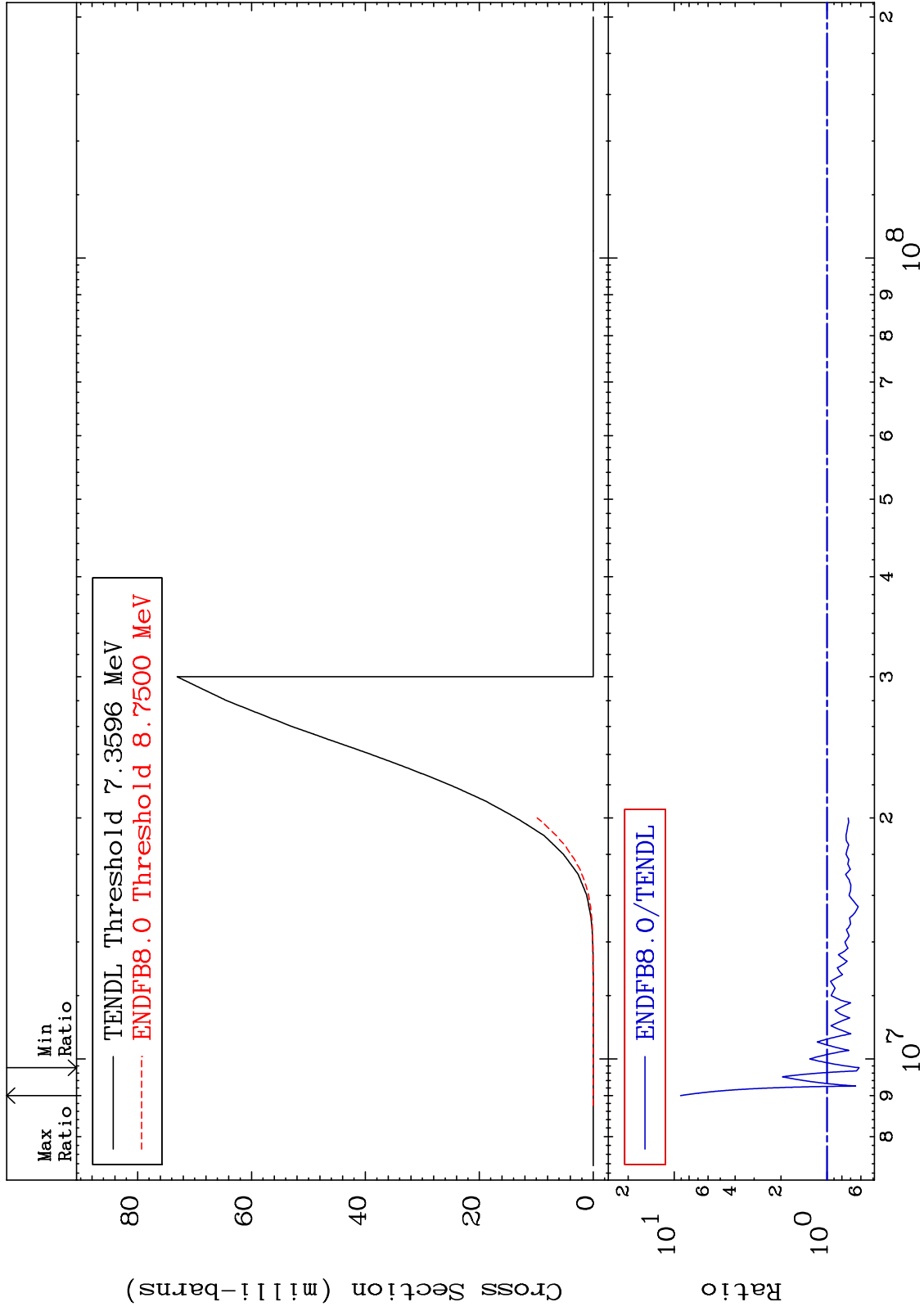
Cross Section

-82.30 To 3391. %



Incident Energy (eV)

68-Er-166



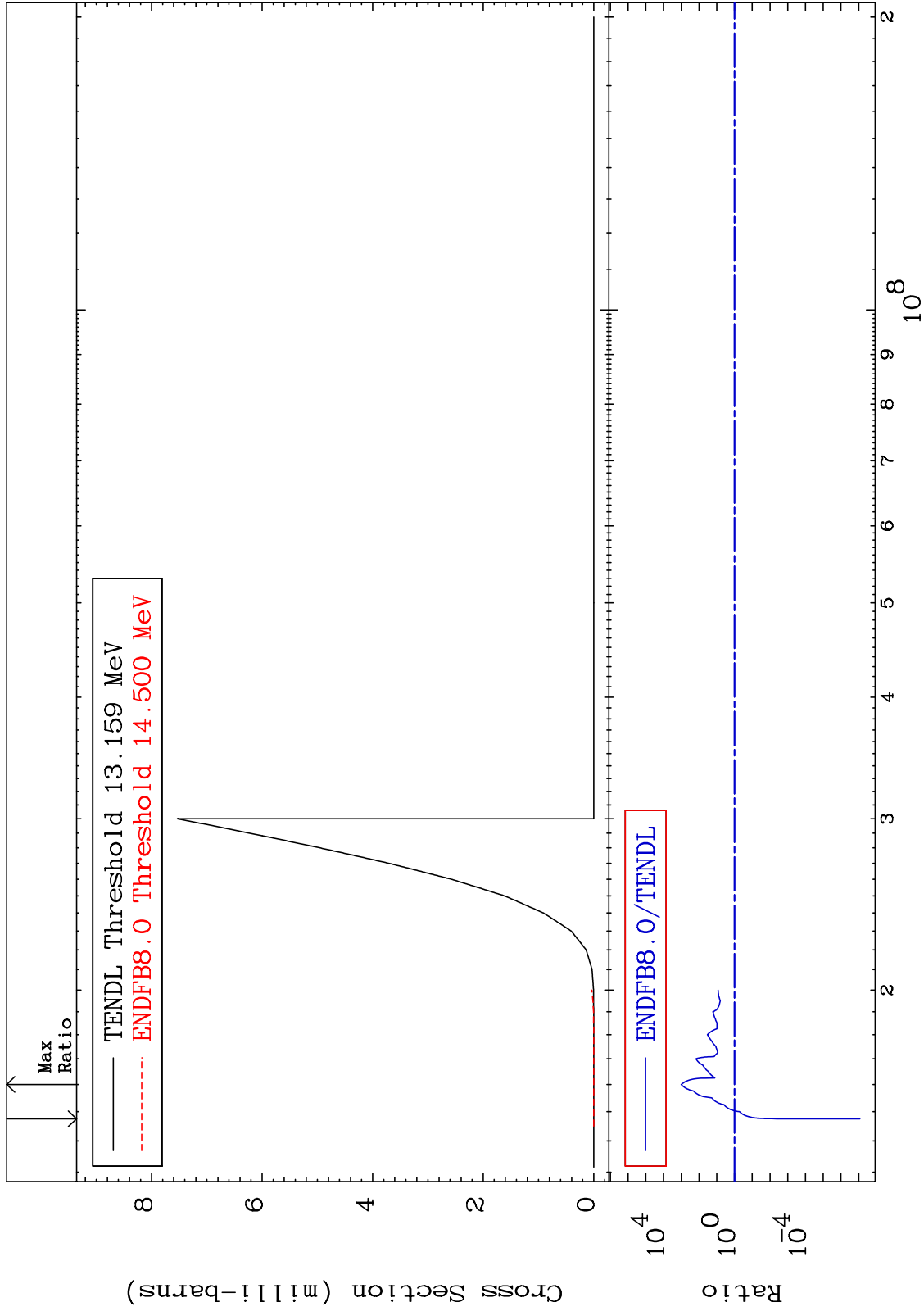
MAT 6837

(n,n') d

68-Er-166

Cross Section

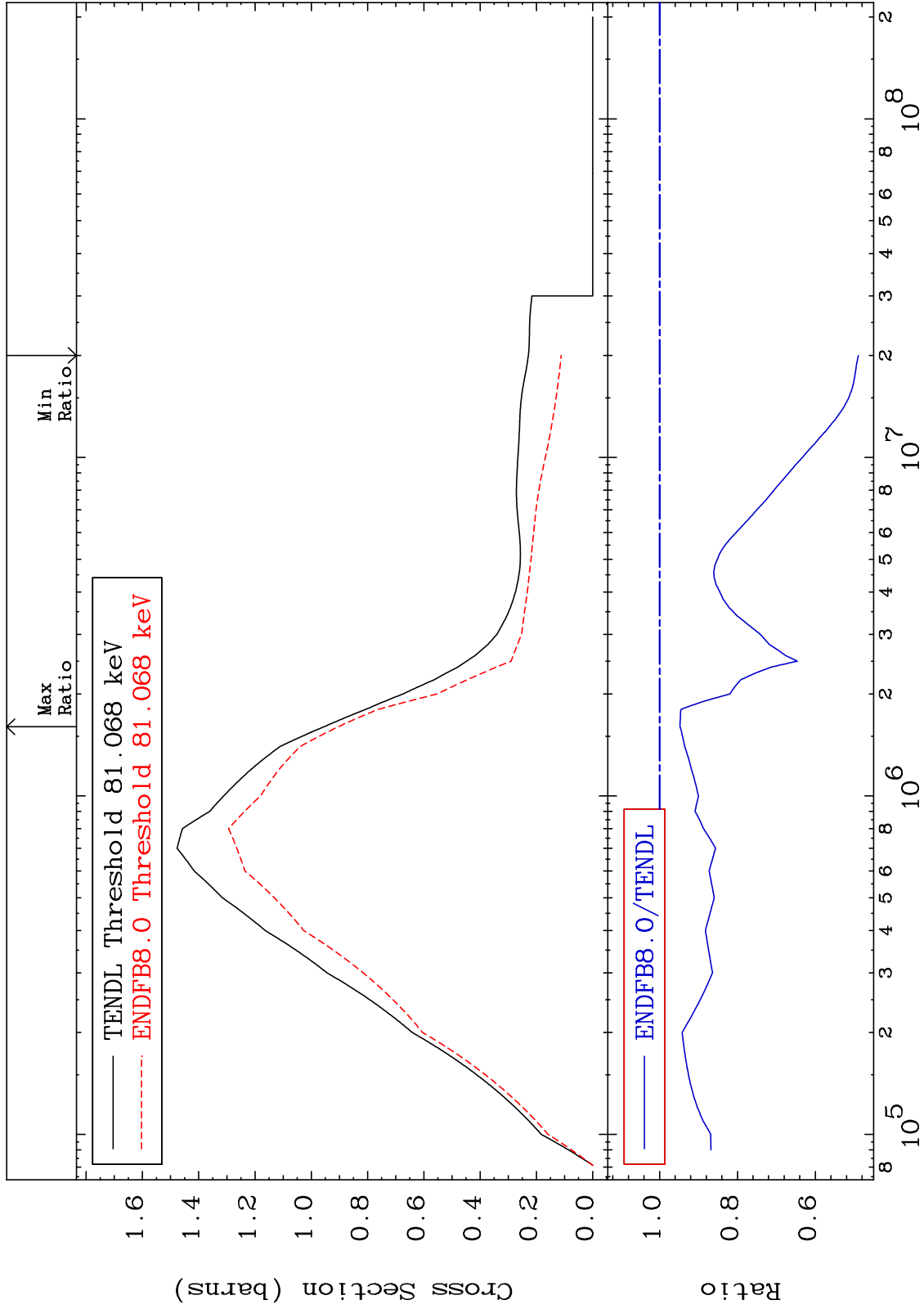
-100.0 To 9999. %



MAT 6837

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

68-Er-166
-51.06 To -5.247%



9

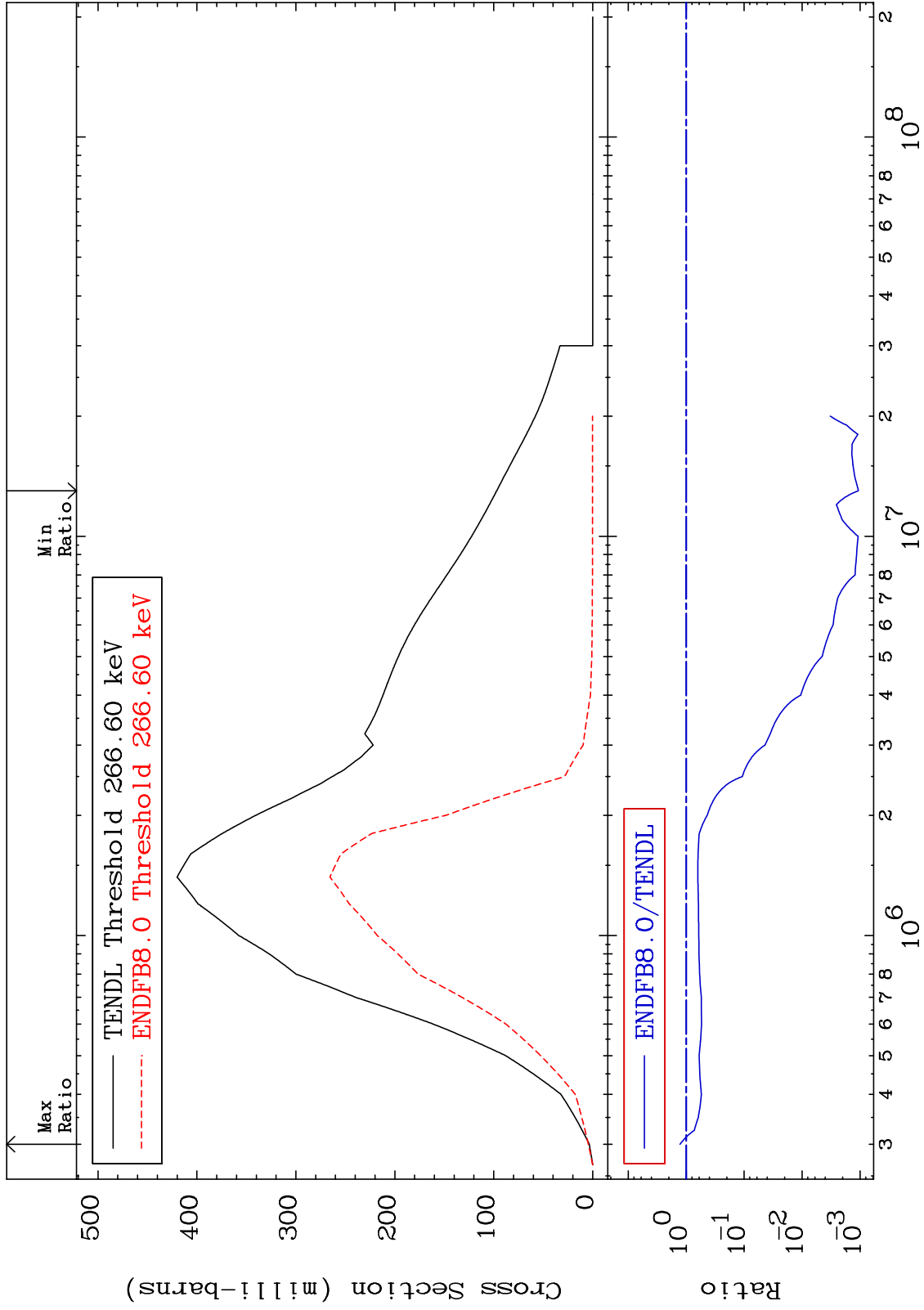
Incident Energy (eV)

68-Er-166

MAT 6837

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

68-Er-166
-99.89 To 28.06 %



10

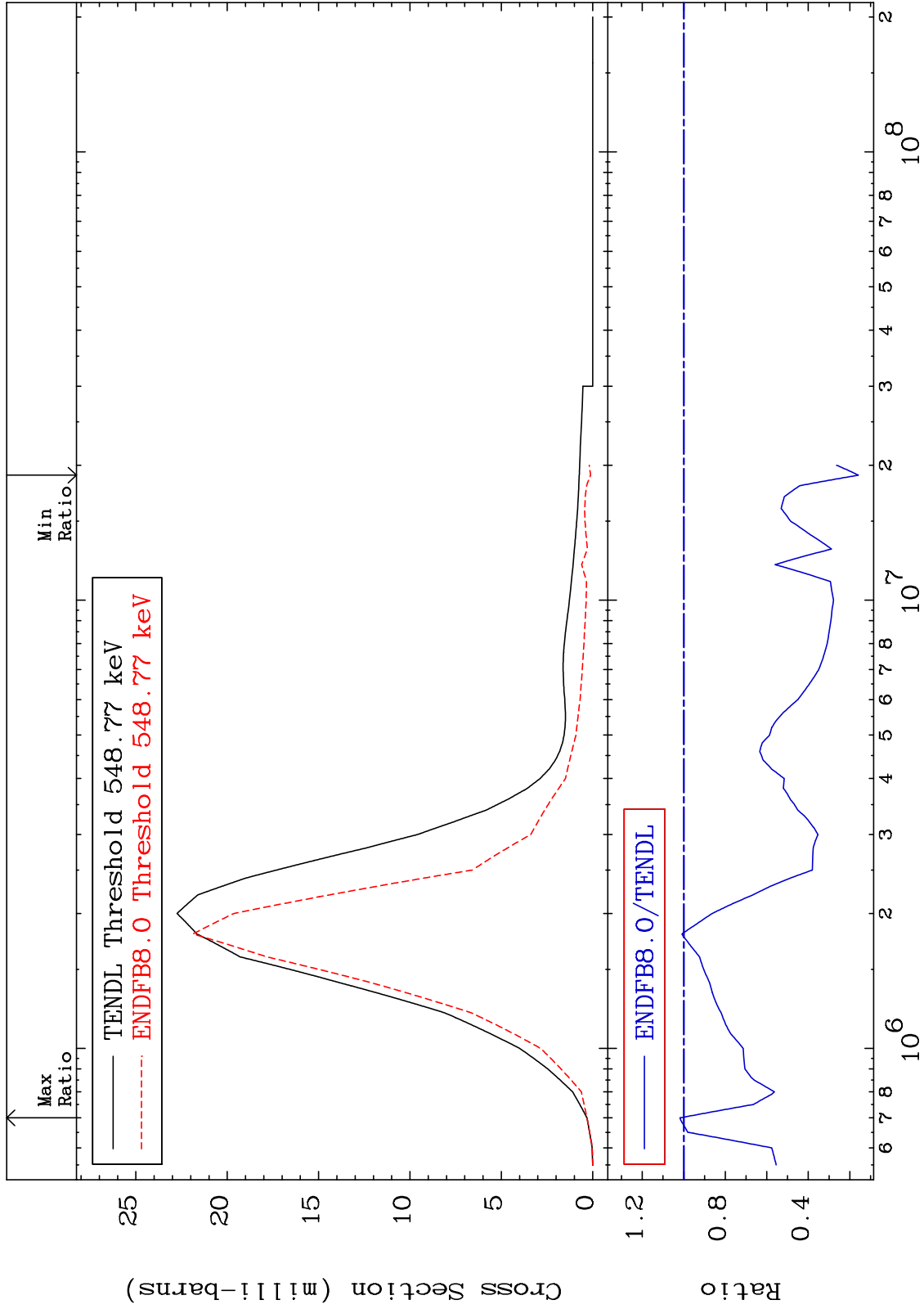
Incident Energy (eV)

68-Er-166

MAT 6837

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

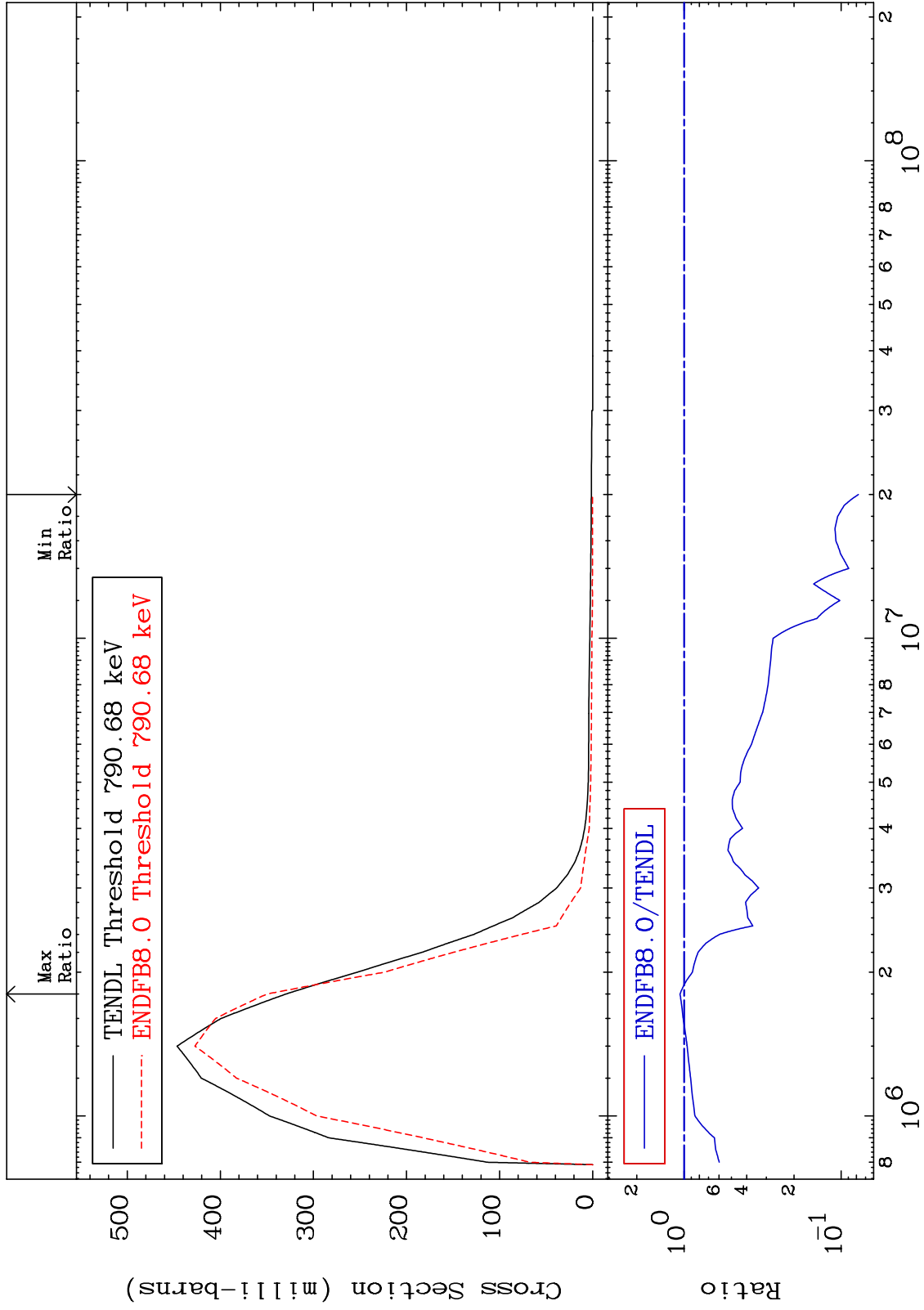
68-Er-166
-84.16 To 1.818 %



MAT 6837

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

68-Er-166
-92.23 To 6.203 %



12

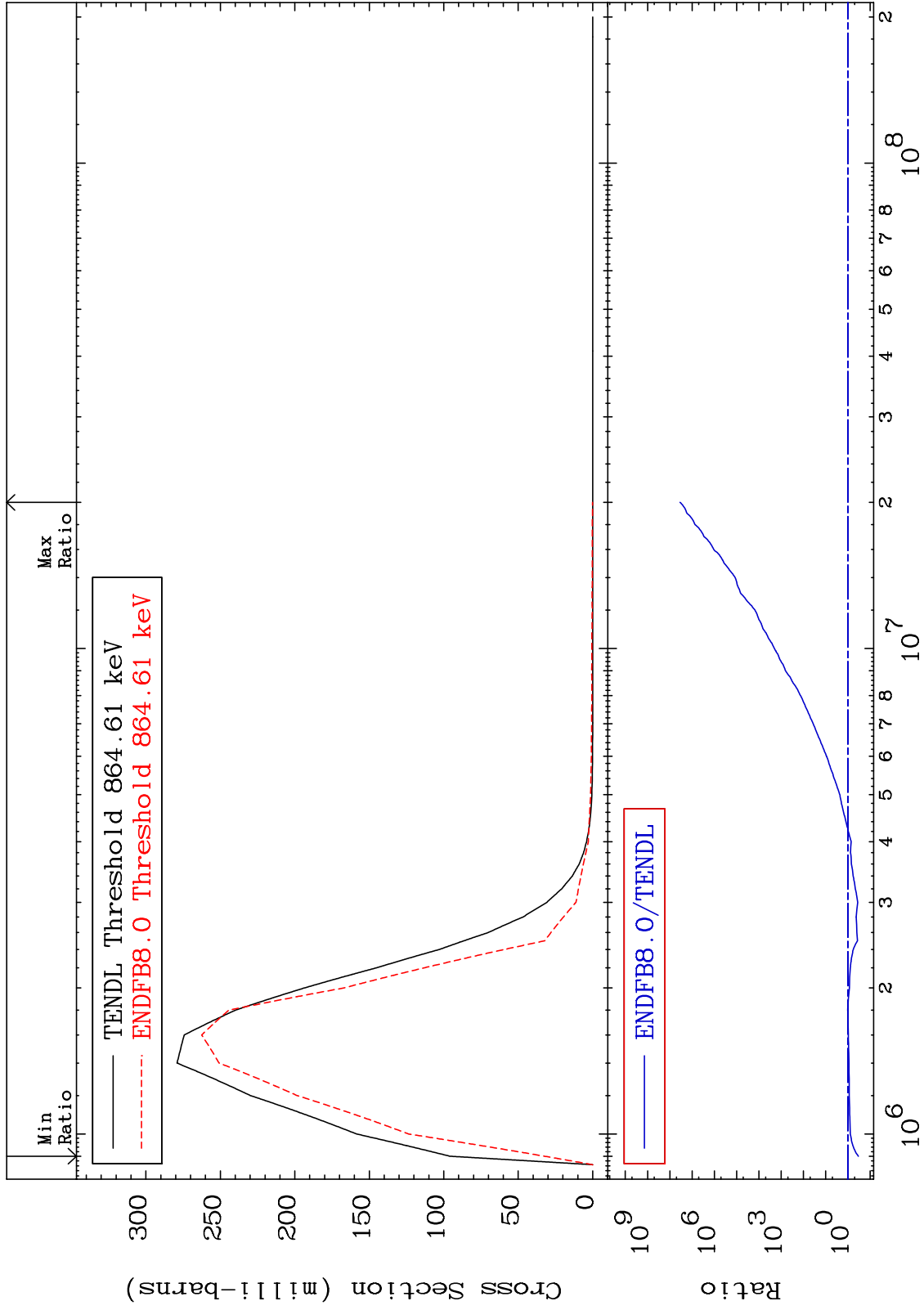
Incident Energy (eV)

68-Er-166

MAT 6837

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

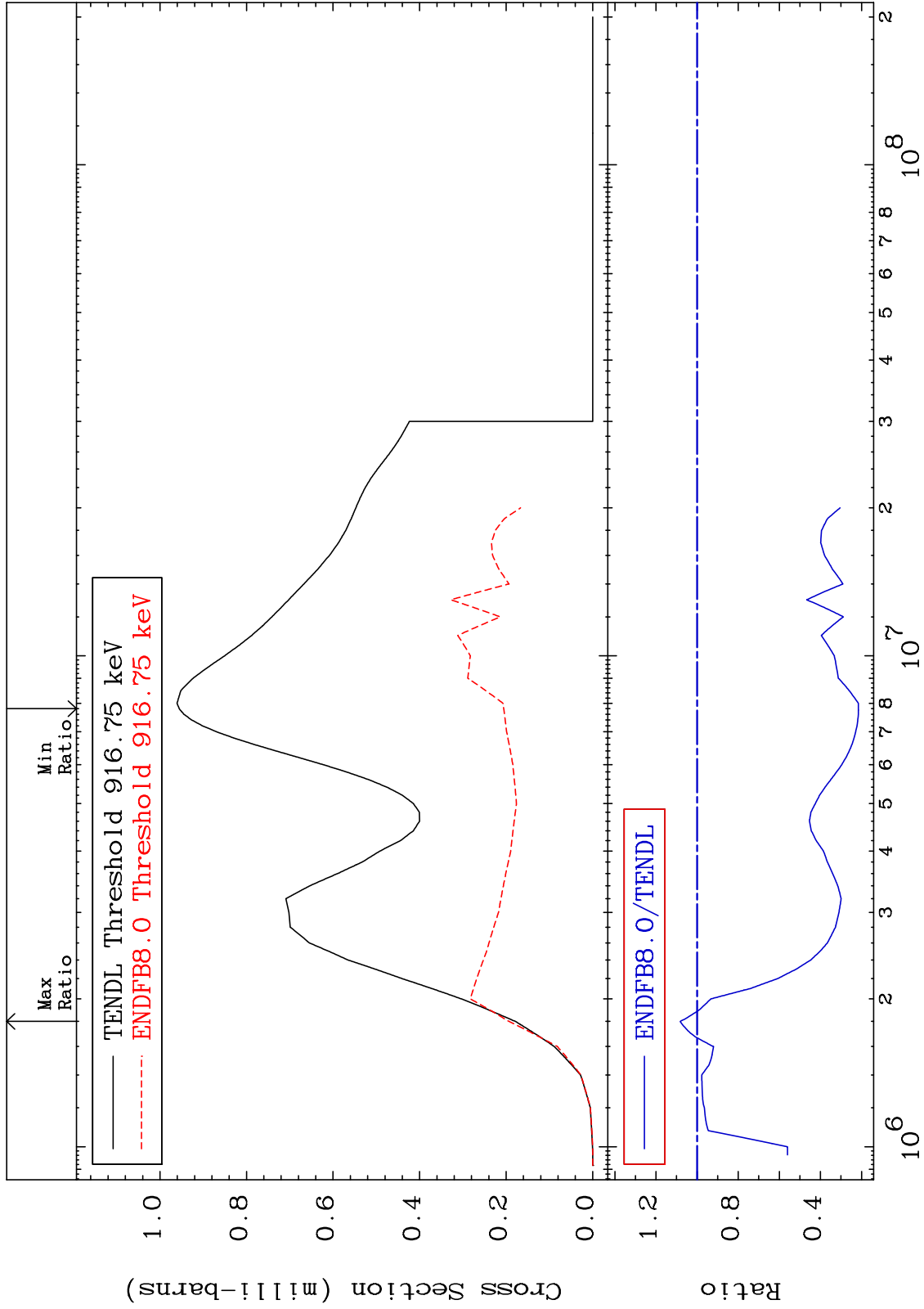
68-Er-166
-66.32 To 9999. %



MAT 6837

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

68-Er-166
-78.48 To 8.298 %



14

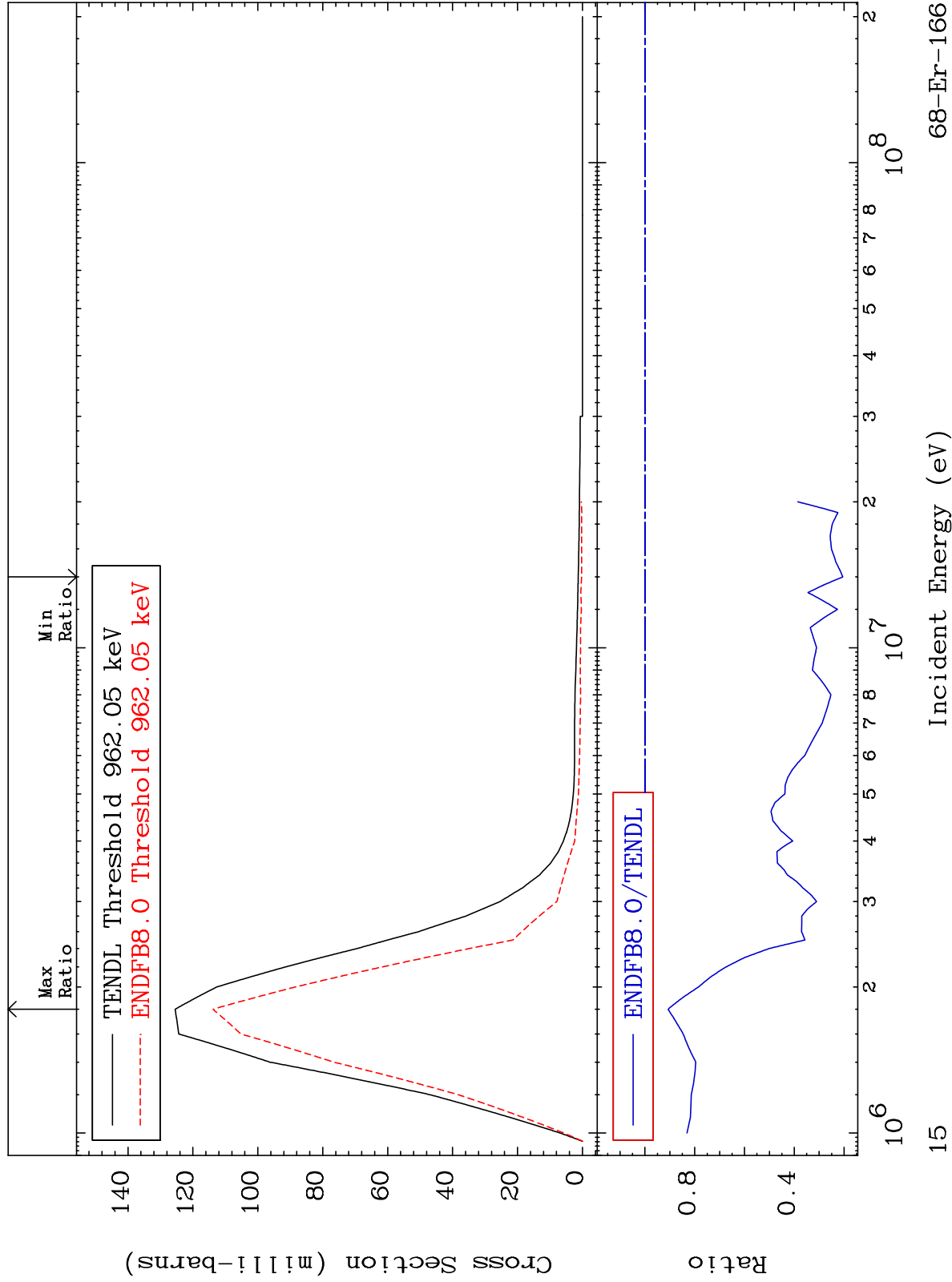
Incident Energy (eV)

68-Er-166

MAT 6837

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

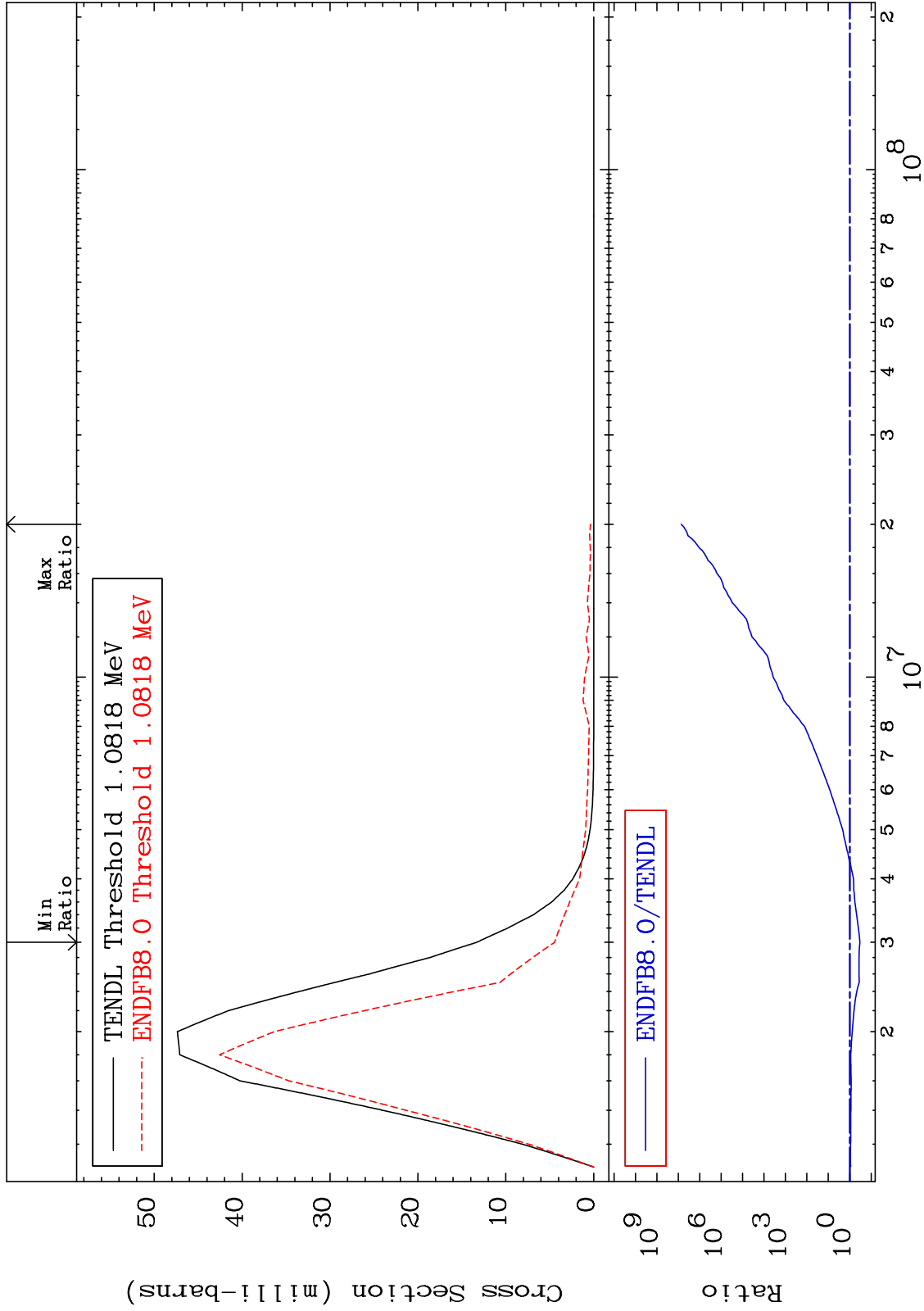
68-Er-166
-79.51 To -9.264%



MAT 6837

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

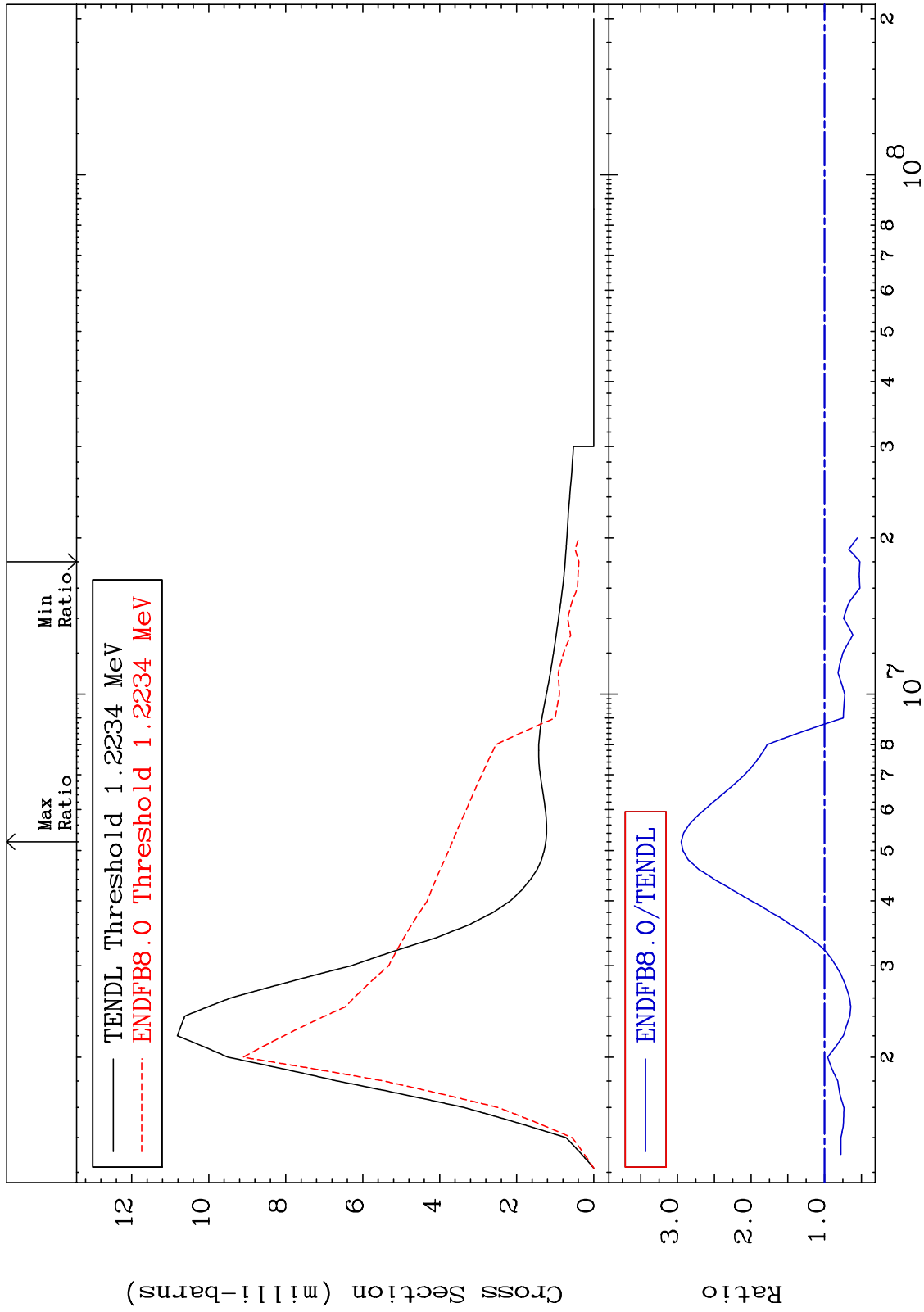
68-Er-166
-66.54 To 9999. %



MAT 6837

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

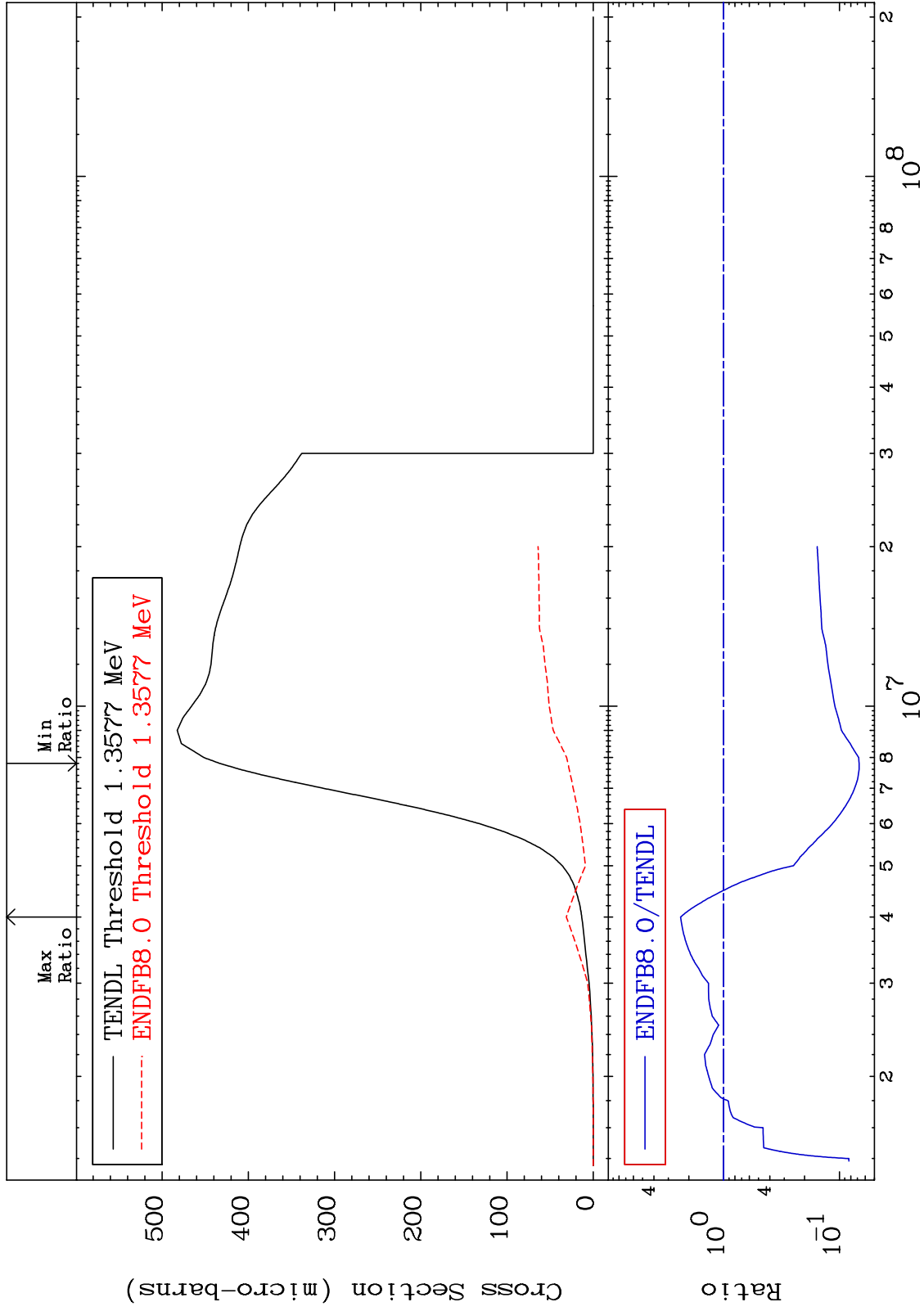
68-Er-166
-48.10 To 194.9 %



MAT 6837

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

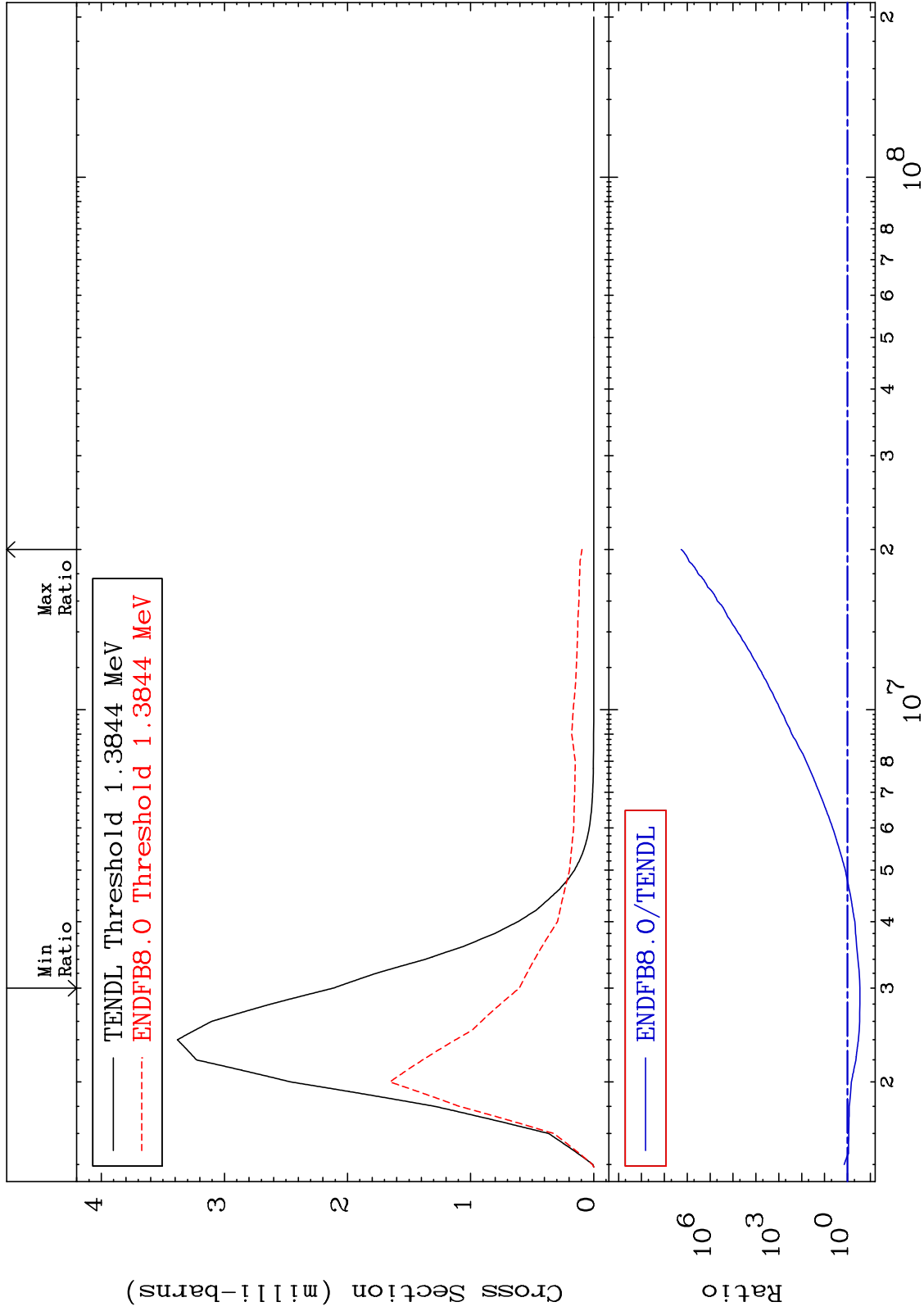
68-Er-166
-93.24 To 135.2 %



MAT 6837

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

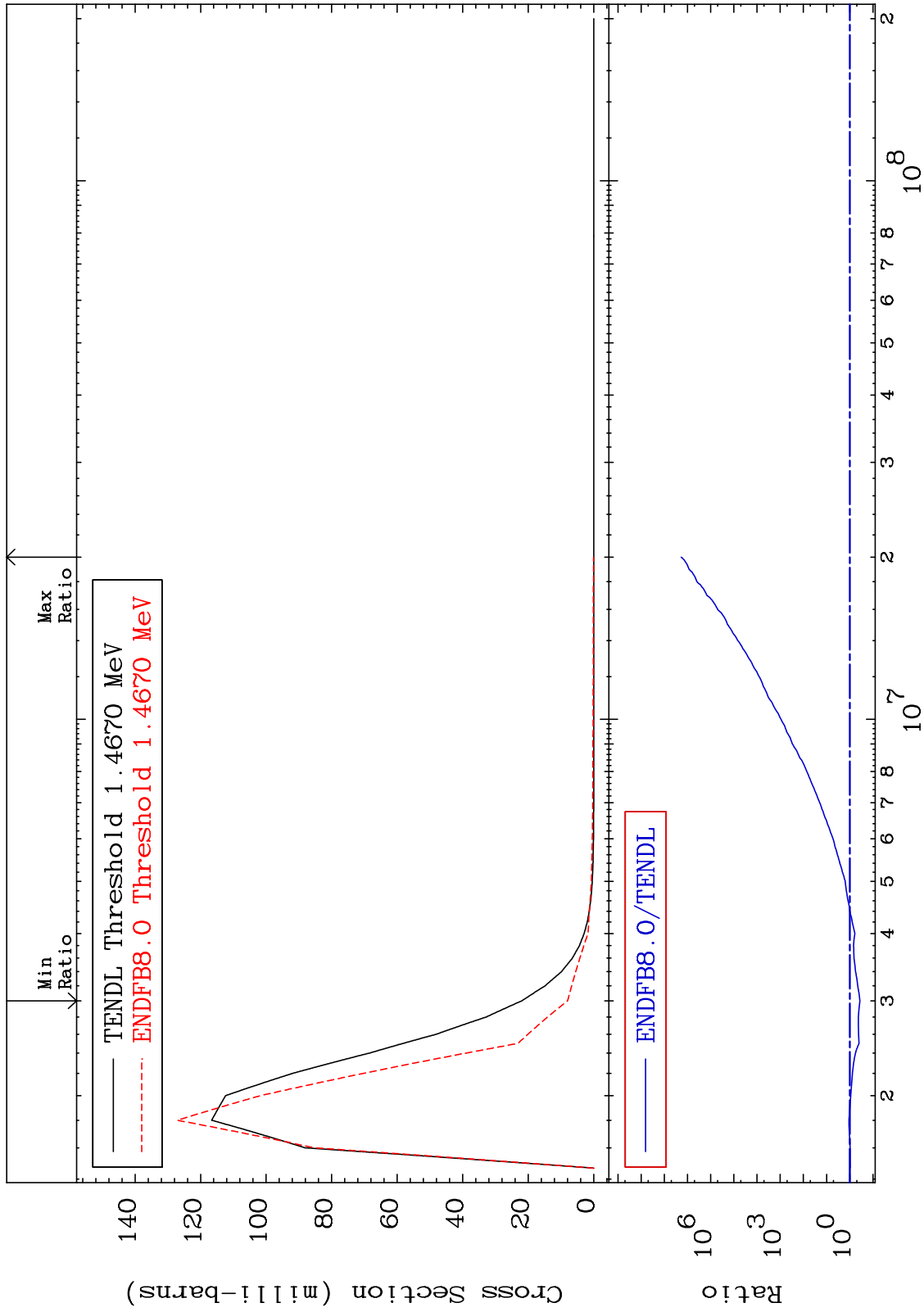
68-Er-166
-71.44 To 9999. %



MAT 6837

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

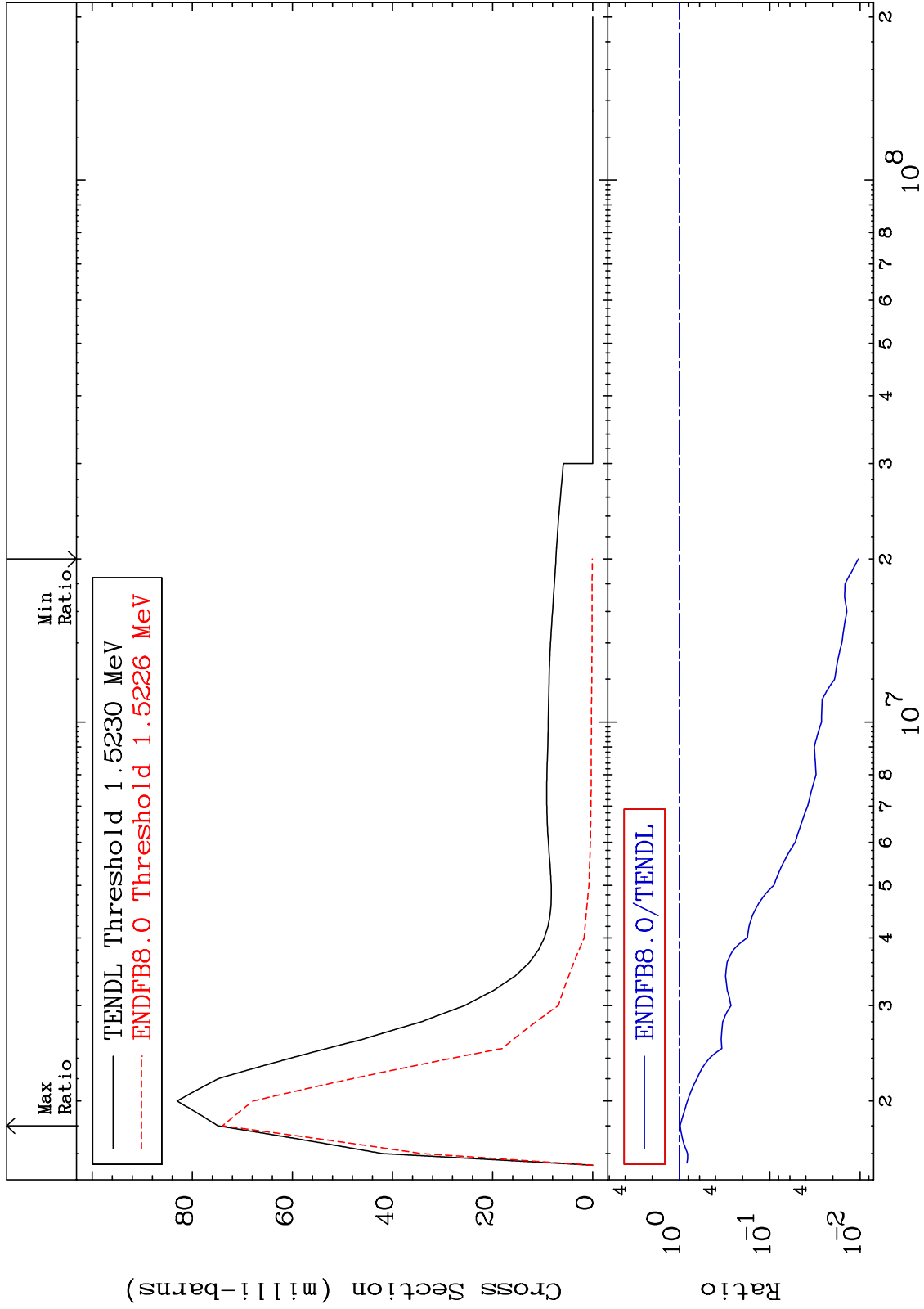
68-Er-166
-63.63 To 9999. %



MAT 6837

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

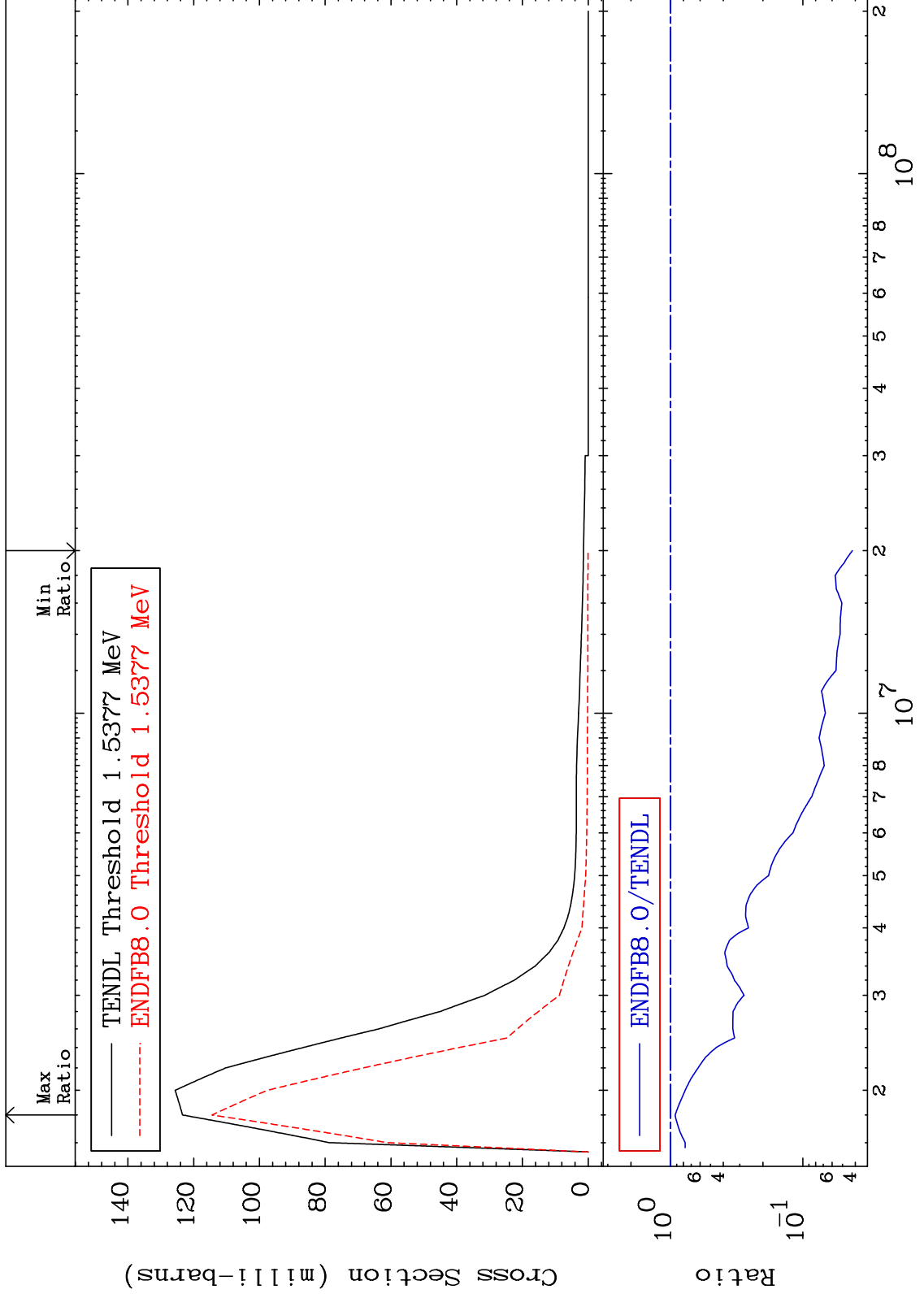
68-Er-166
-98.96 To -1.261%



MAT 6837

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

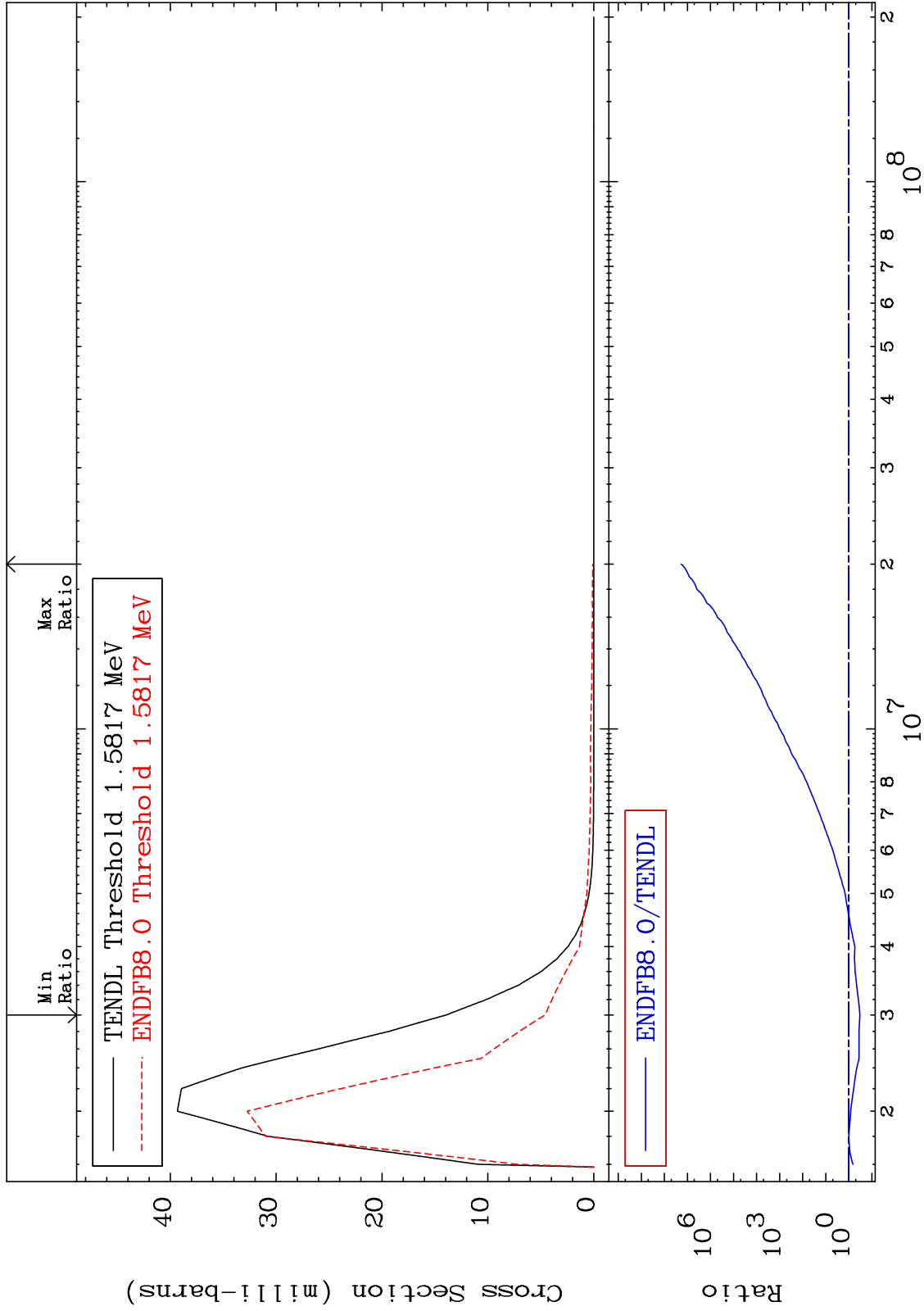
68-Er-166
-95.78 To -7.262%



MAT 6837

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

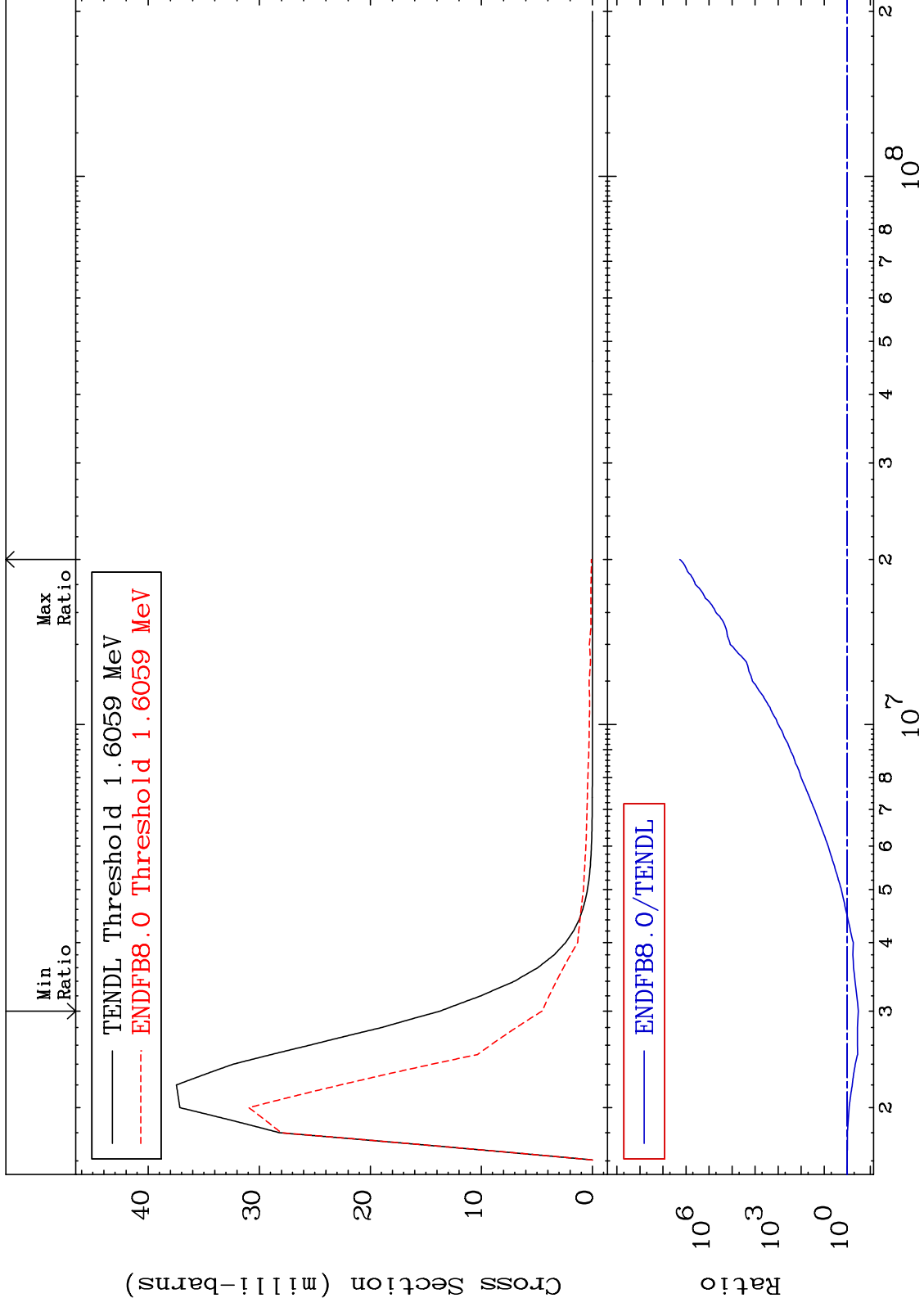
68-Er-166
-66.94 To 9999. %



MAT 6837

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

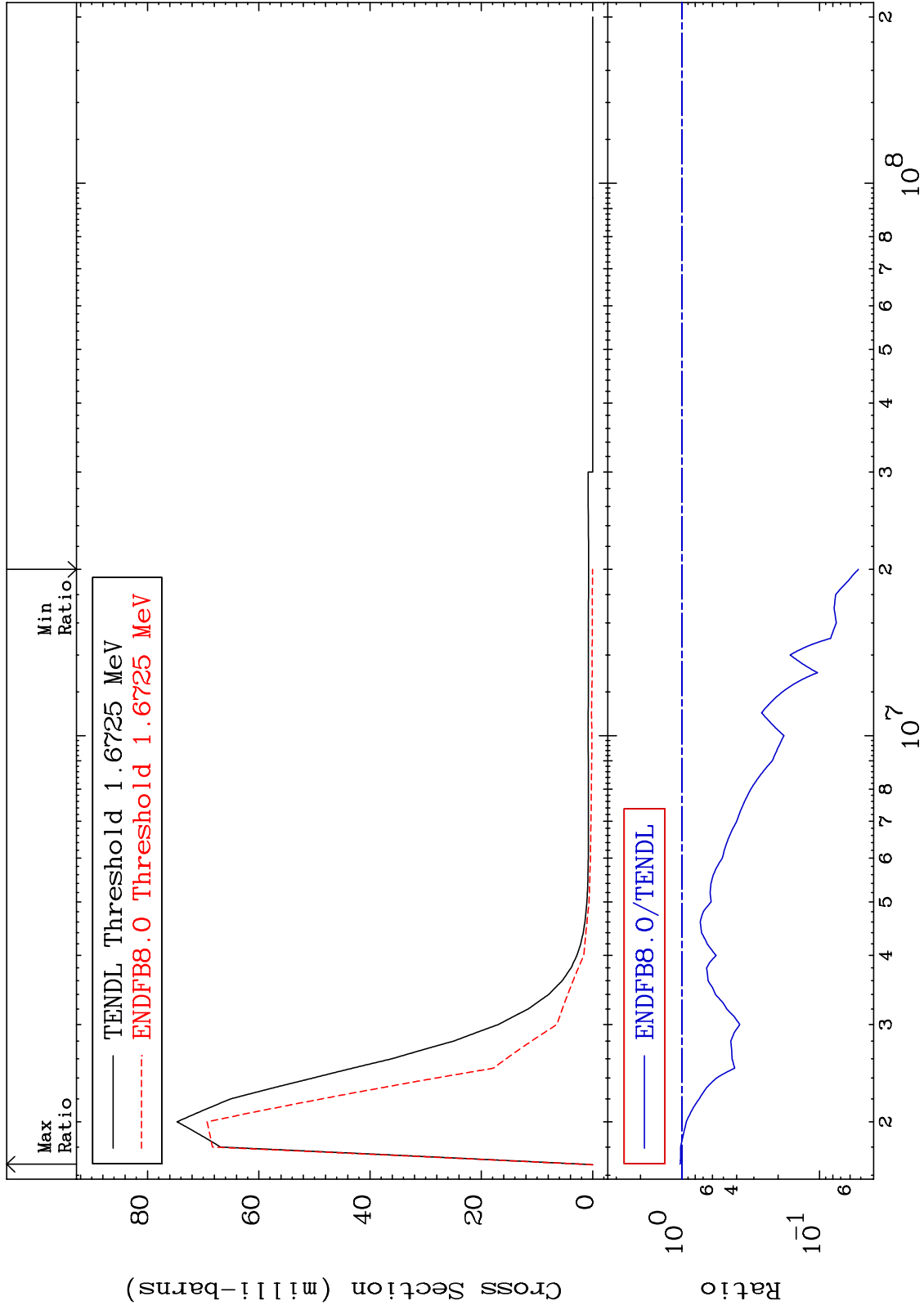
68-Er-166
-67.00 To 9999. %



MAT 6837

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

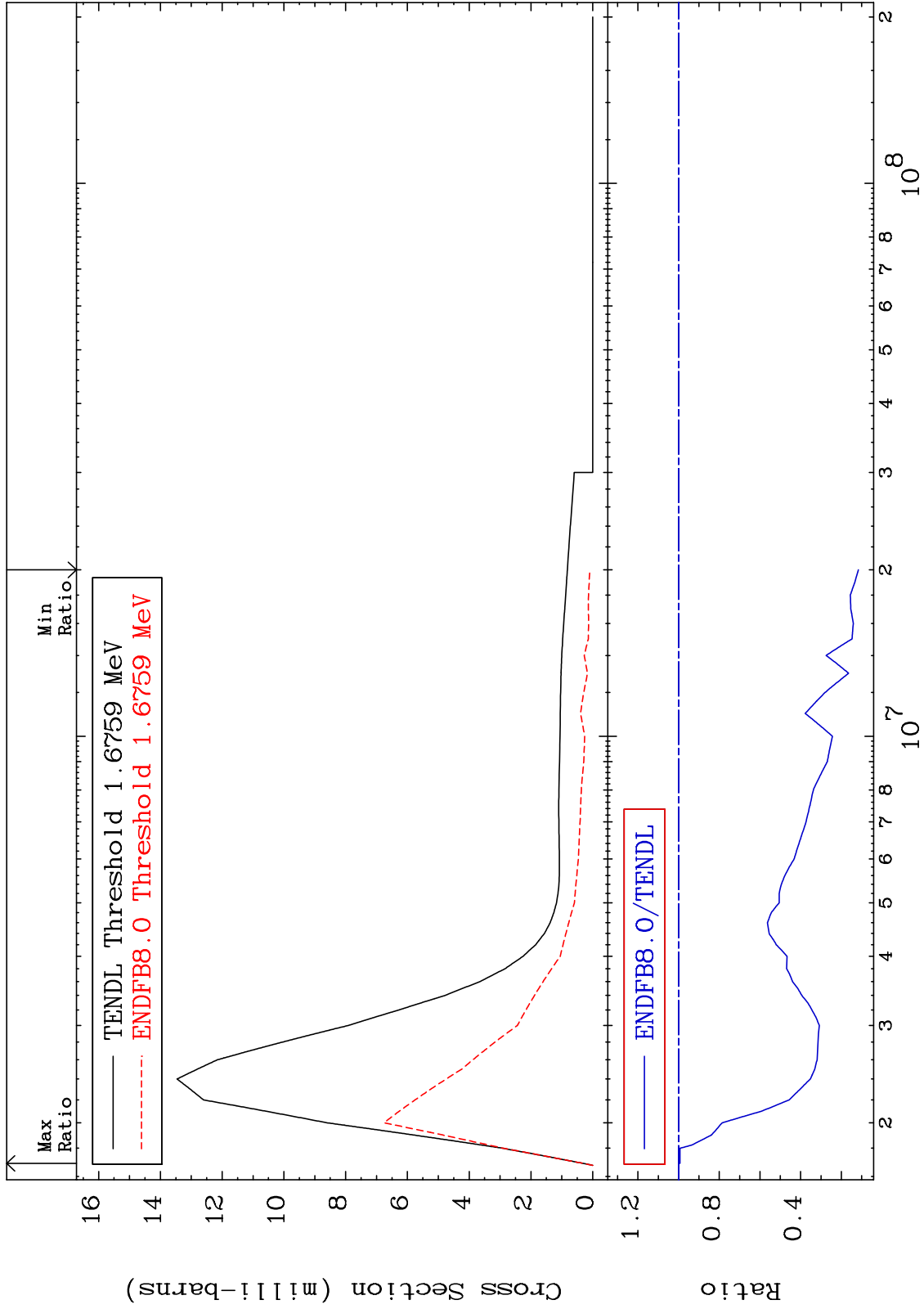
68-Er-166
-94.79 To 3.069 %



MAT 6837

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

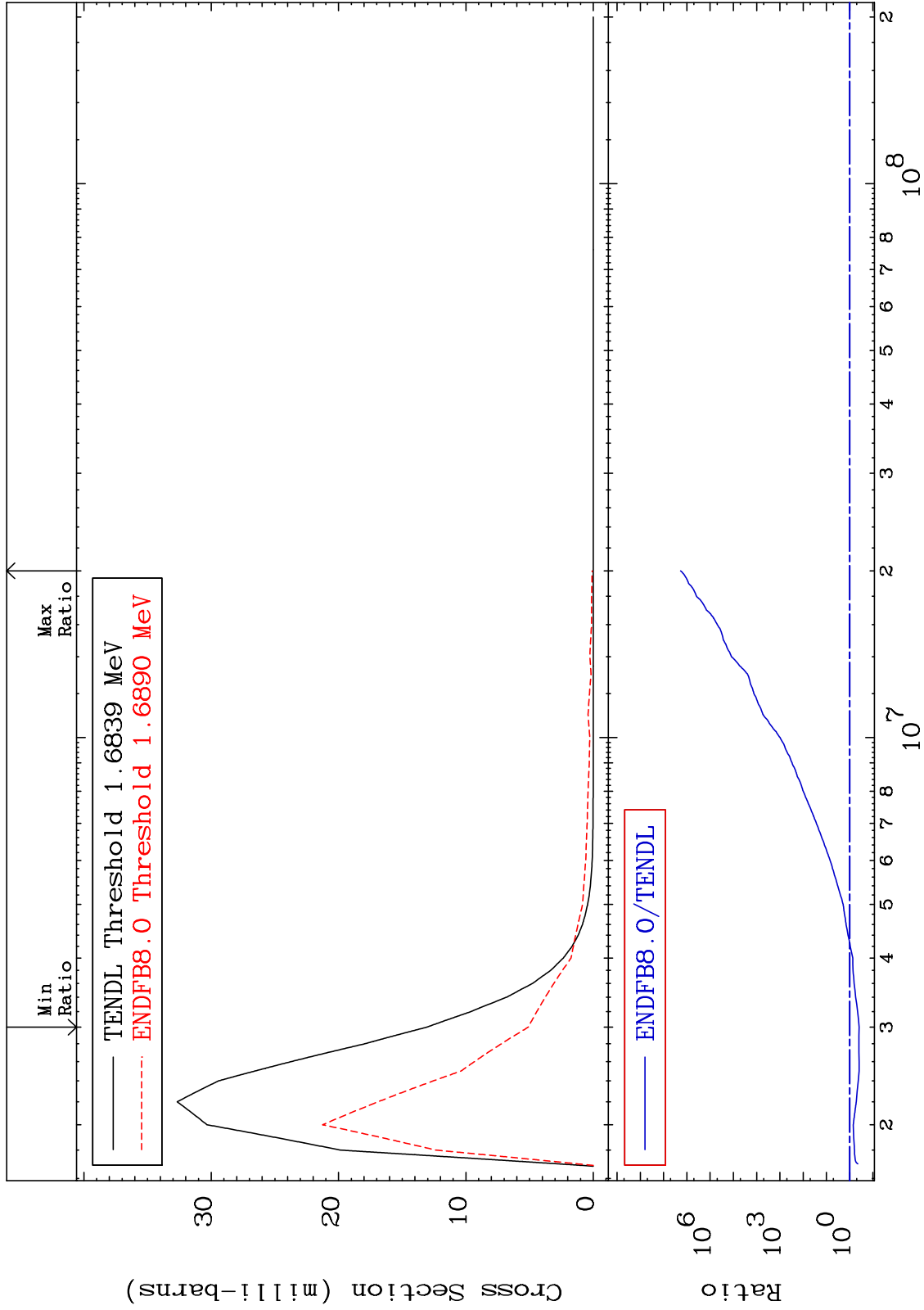
68-Er-166
-88.41 To -0.700%



MAT 6837

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

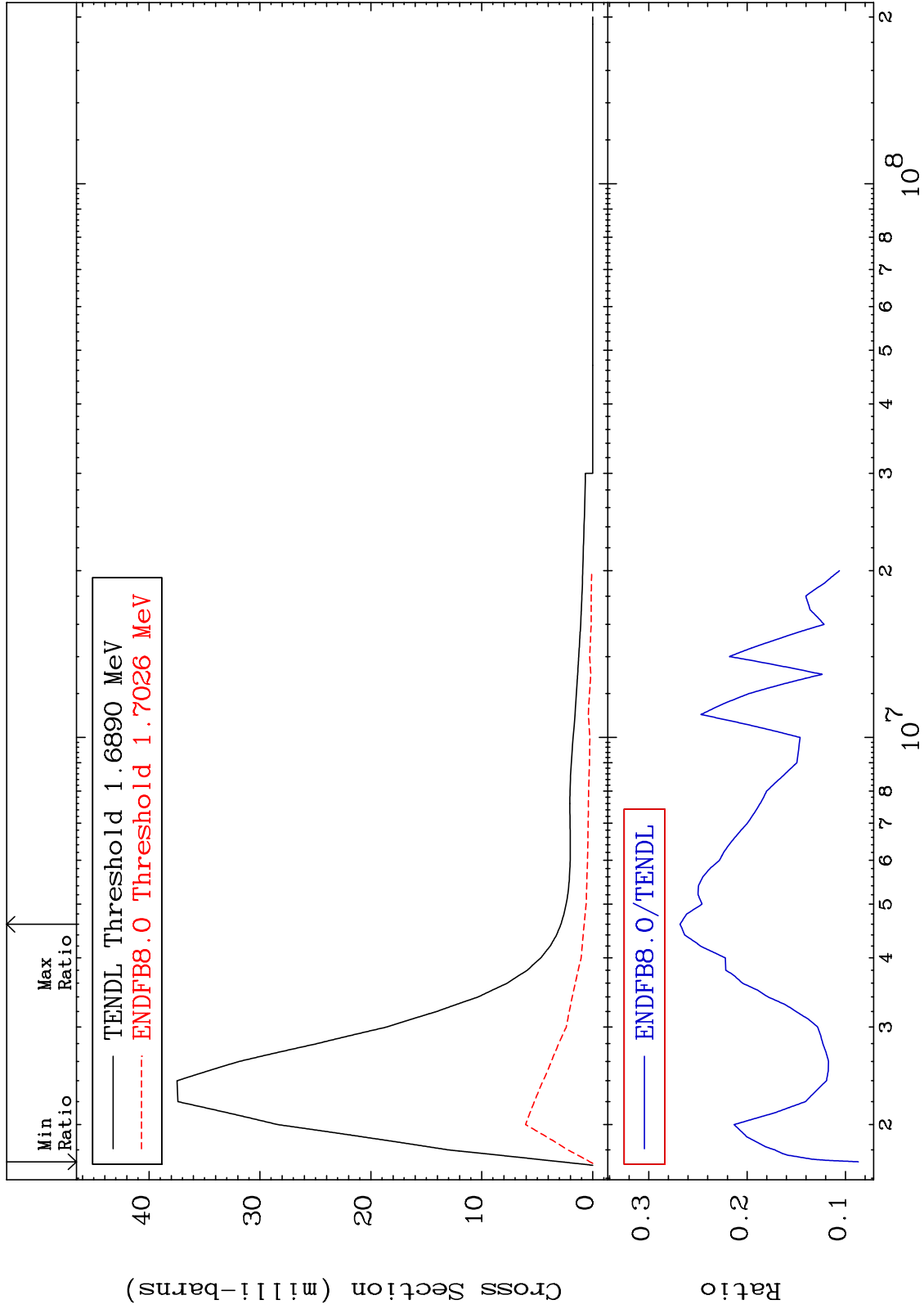
68-Er-166
-60.97 To 9999. %



MAT 6837

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

68-Er-166
-91.32 To -73.18%



30

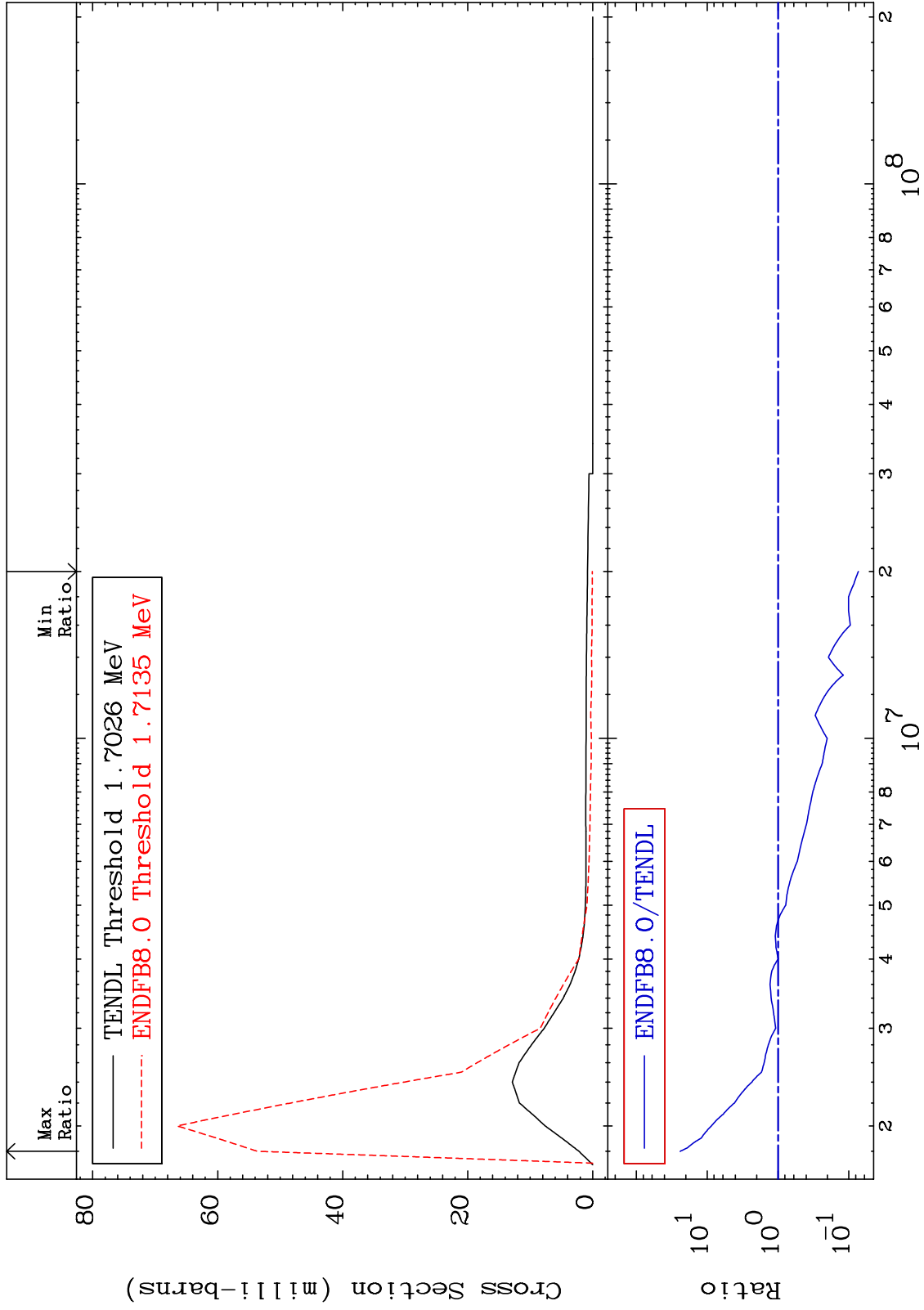
68-Er-166

68-Er-166

MAT 6837

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

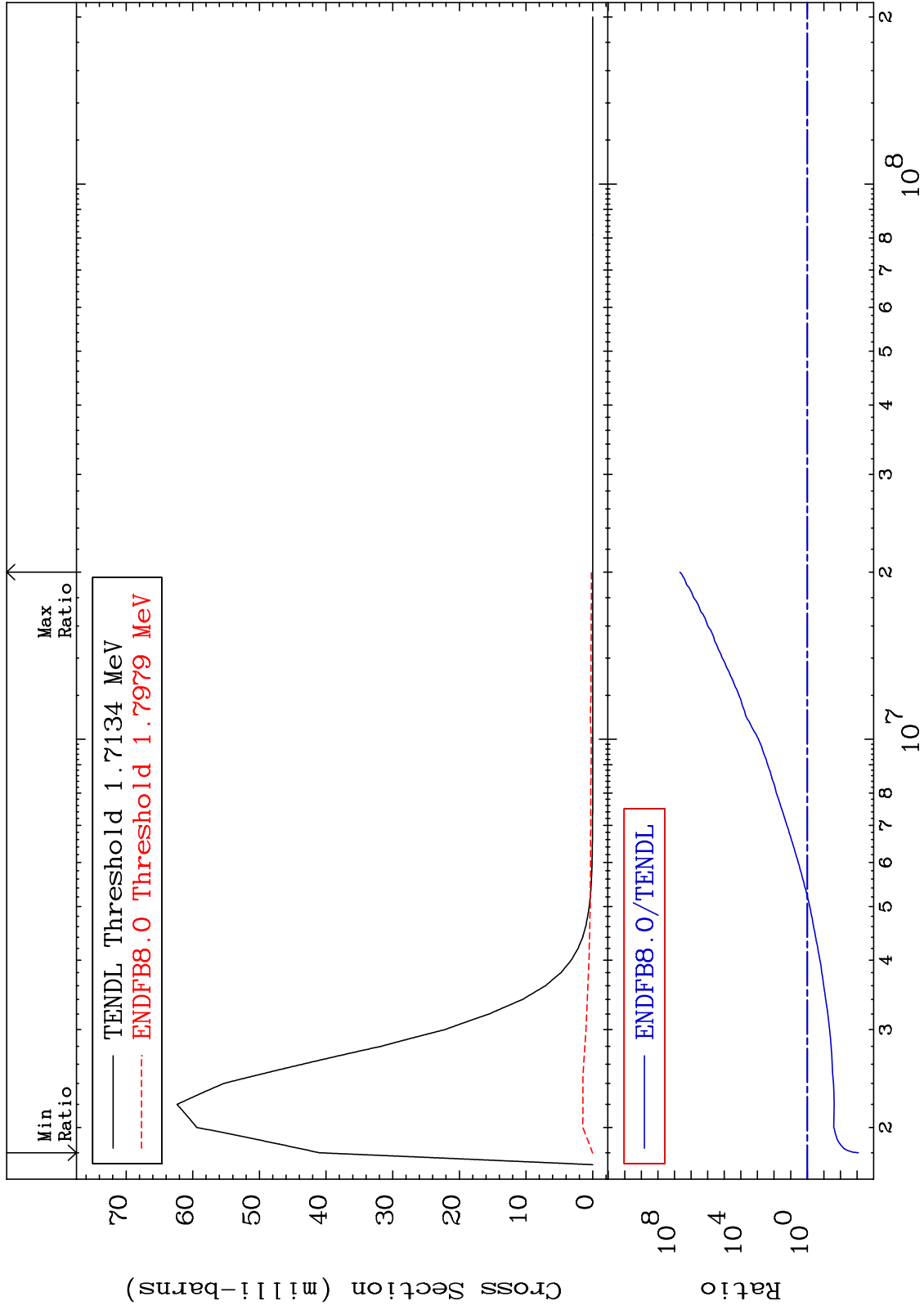
68-Er-166
-92.68 To 2320. %



MAT 6837

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

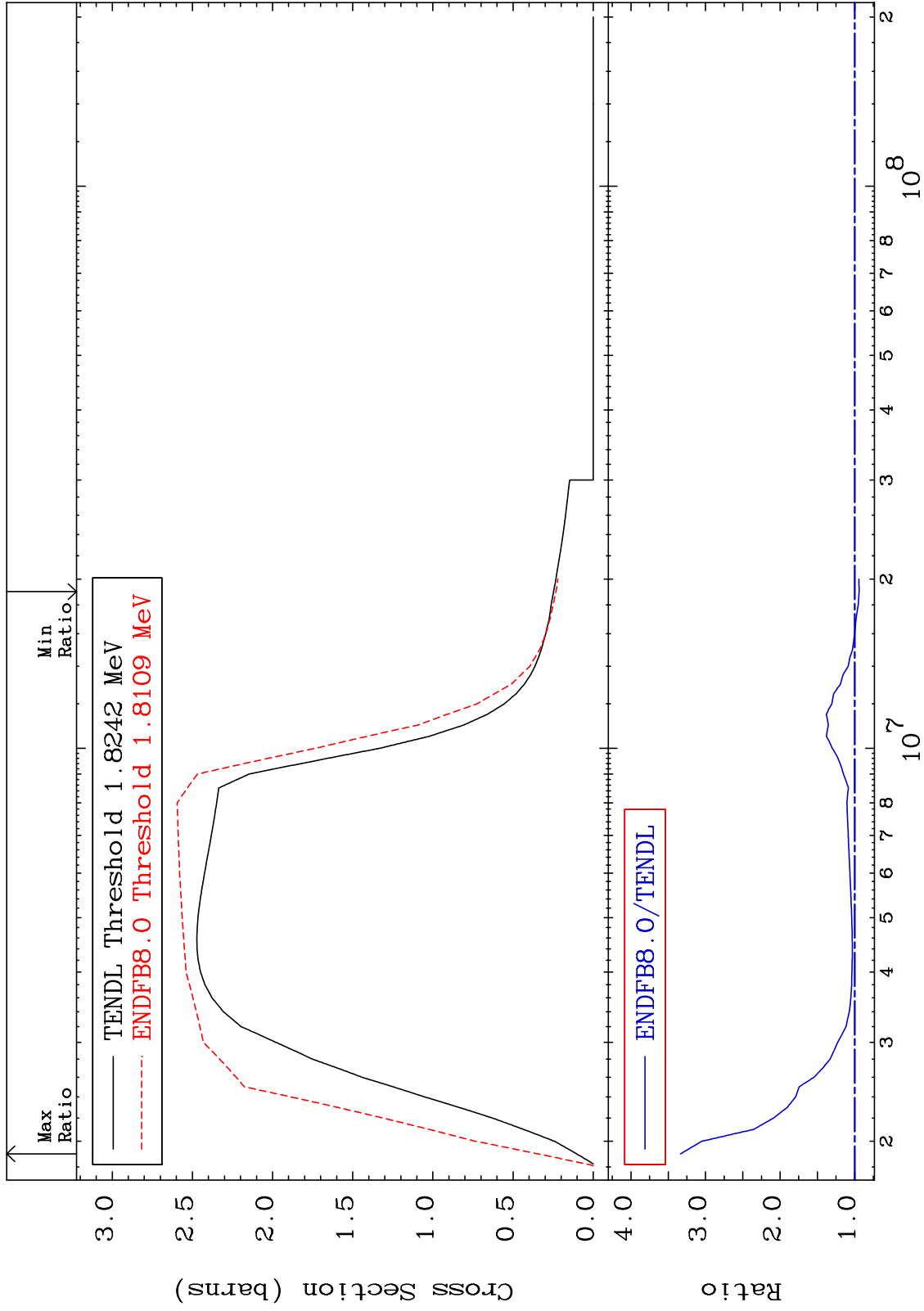
68-Er-166
-99.92 To 9999. %



MAT 6837

(n, n') Continuum
Cross Section

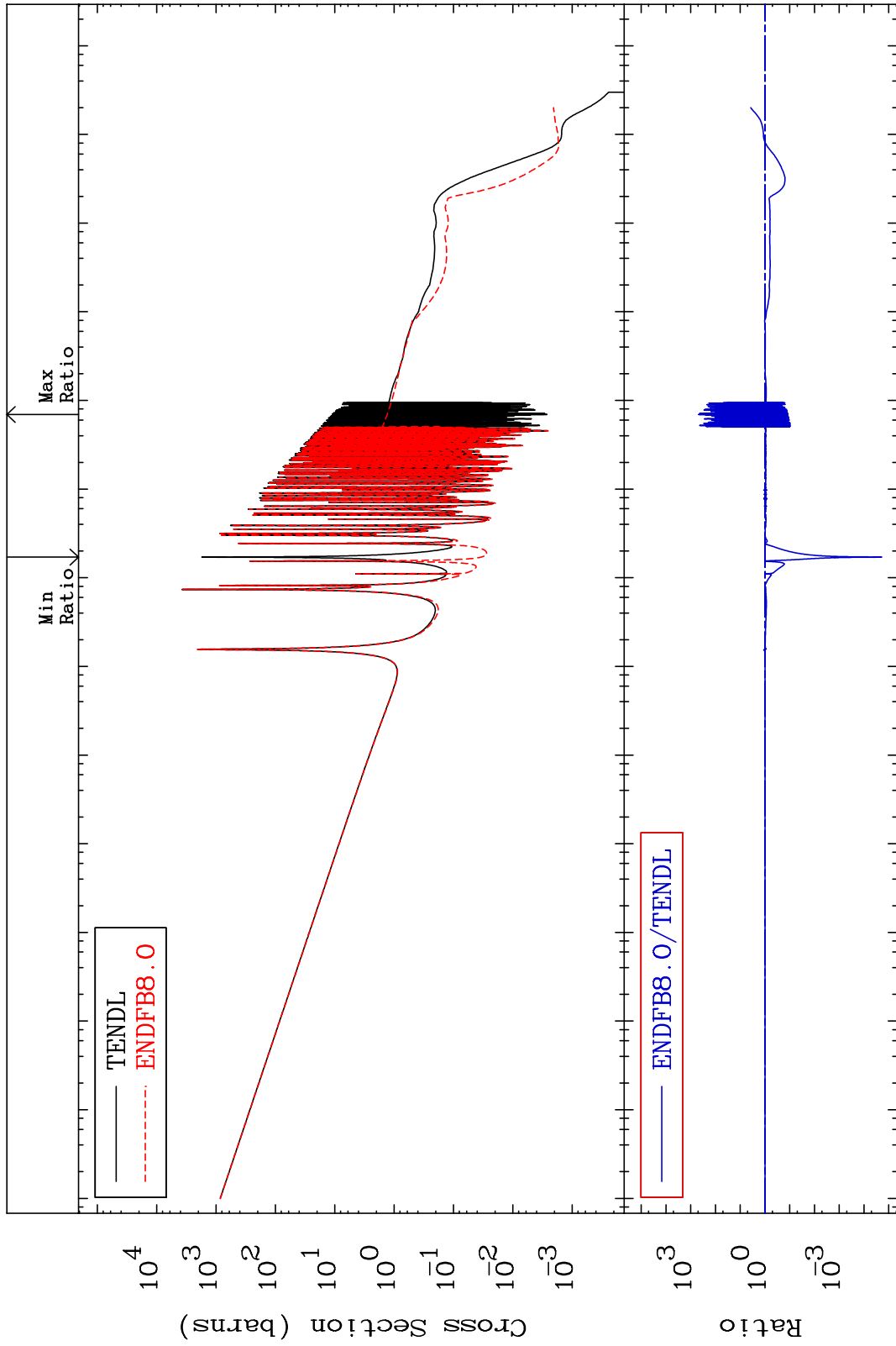
68-Er-166
-6.033 To 233.4 %



MAT 6837

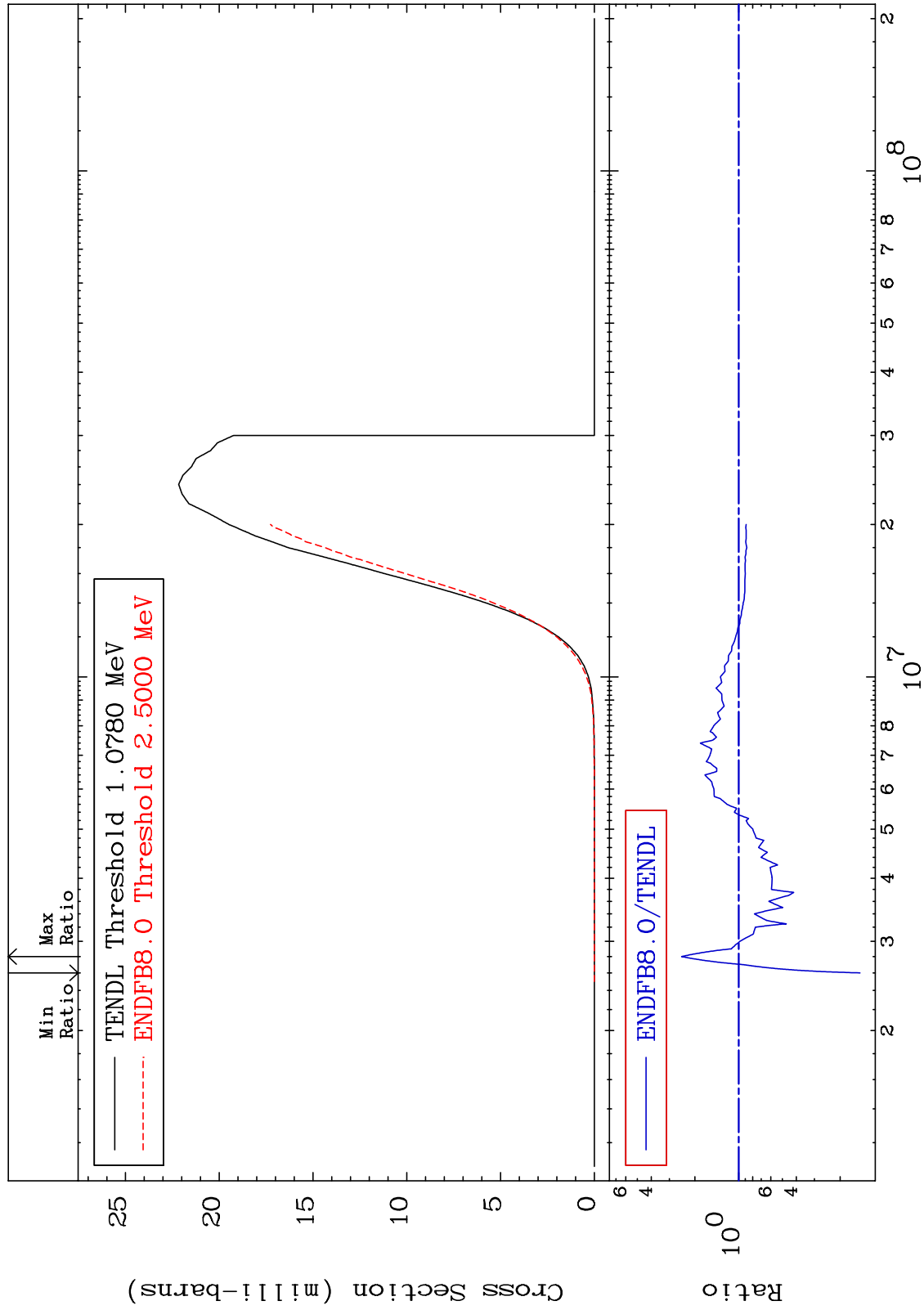
68-Er-166

(n, γ)
Cross Section
-100.0 To 9999. %



Cross Section

-85.44 To 147.0 %



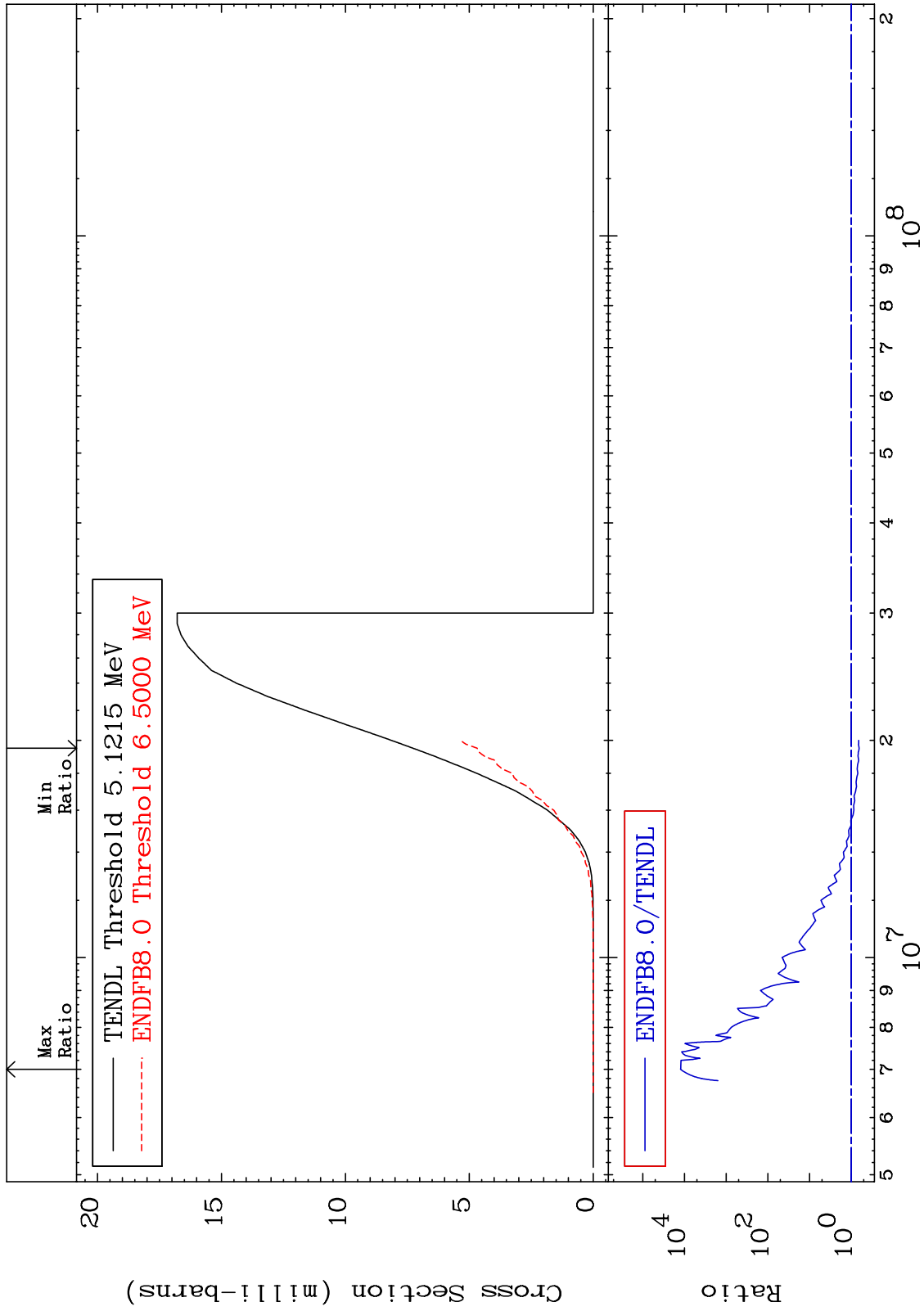
MAT 6837

(n, d)

68-Er-166

Cross Section

-35.61 To 9999. %



36

Incident Energy (eV)

68-Er-166

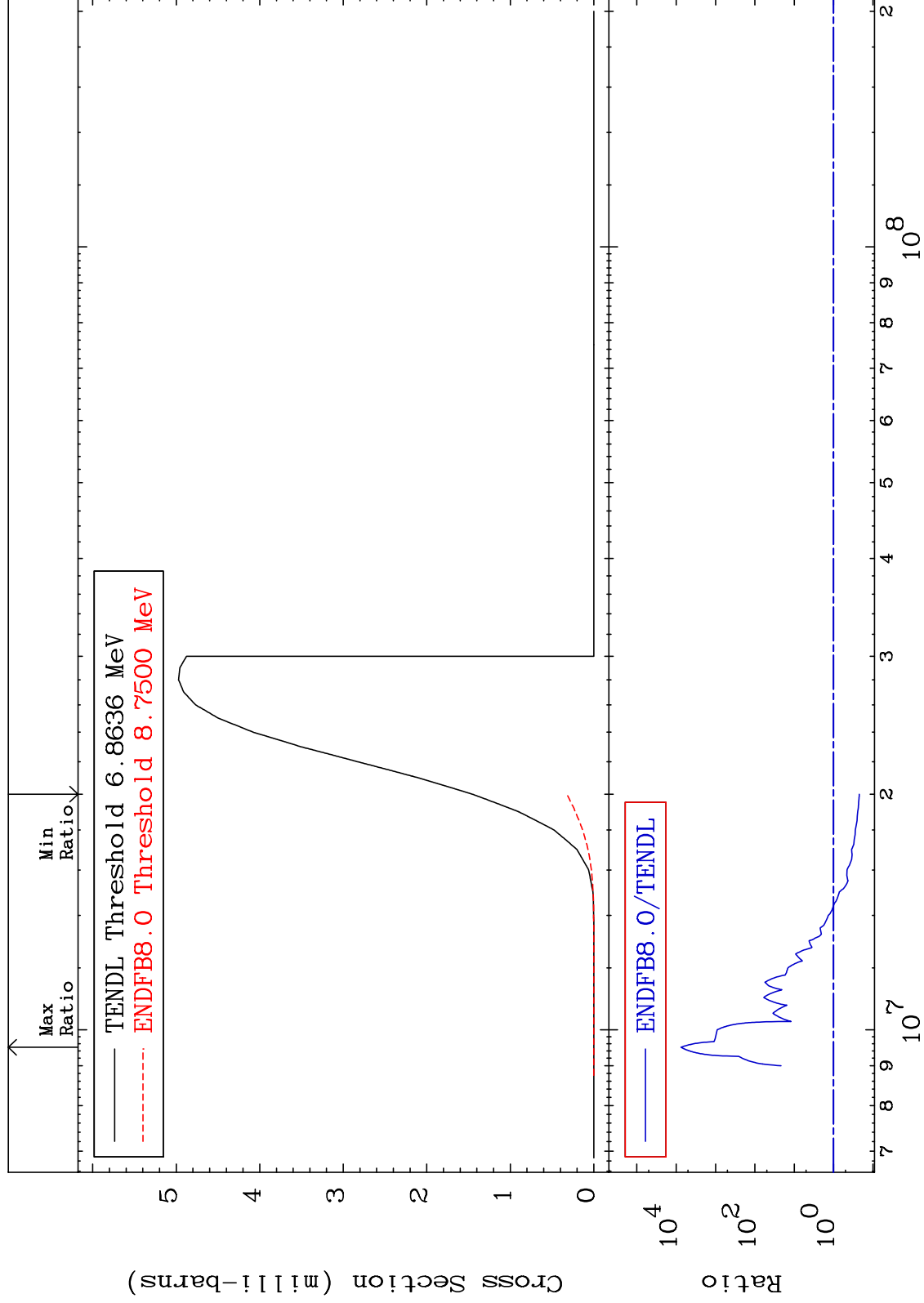
MAT 6837

(n, t)

68-Er-166

Cross Section

-77.72 To 9999. %



37

68-Er-166

68-Er-166

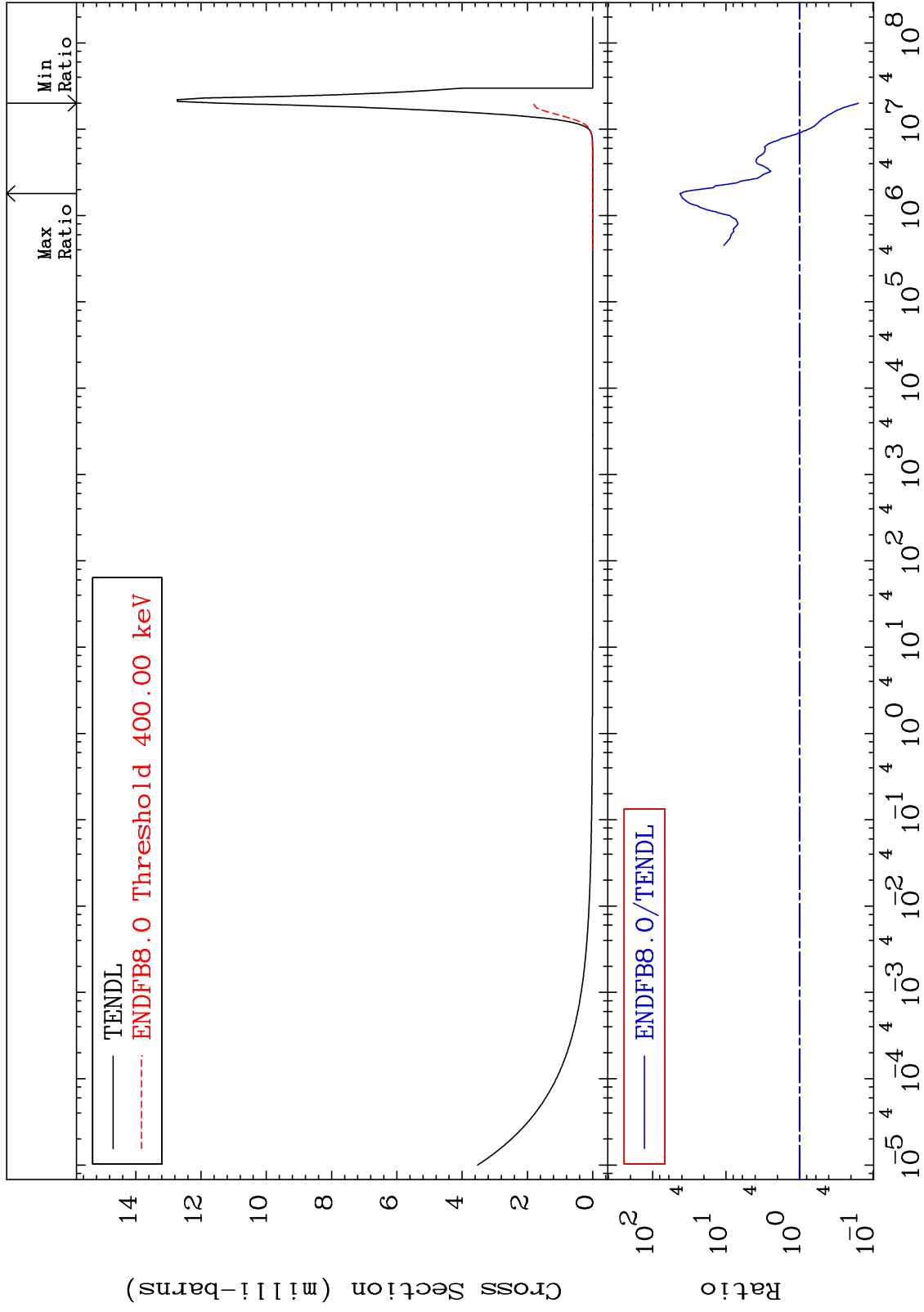
MAT 6837

(n, α)

68-Er-166

Cross Section

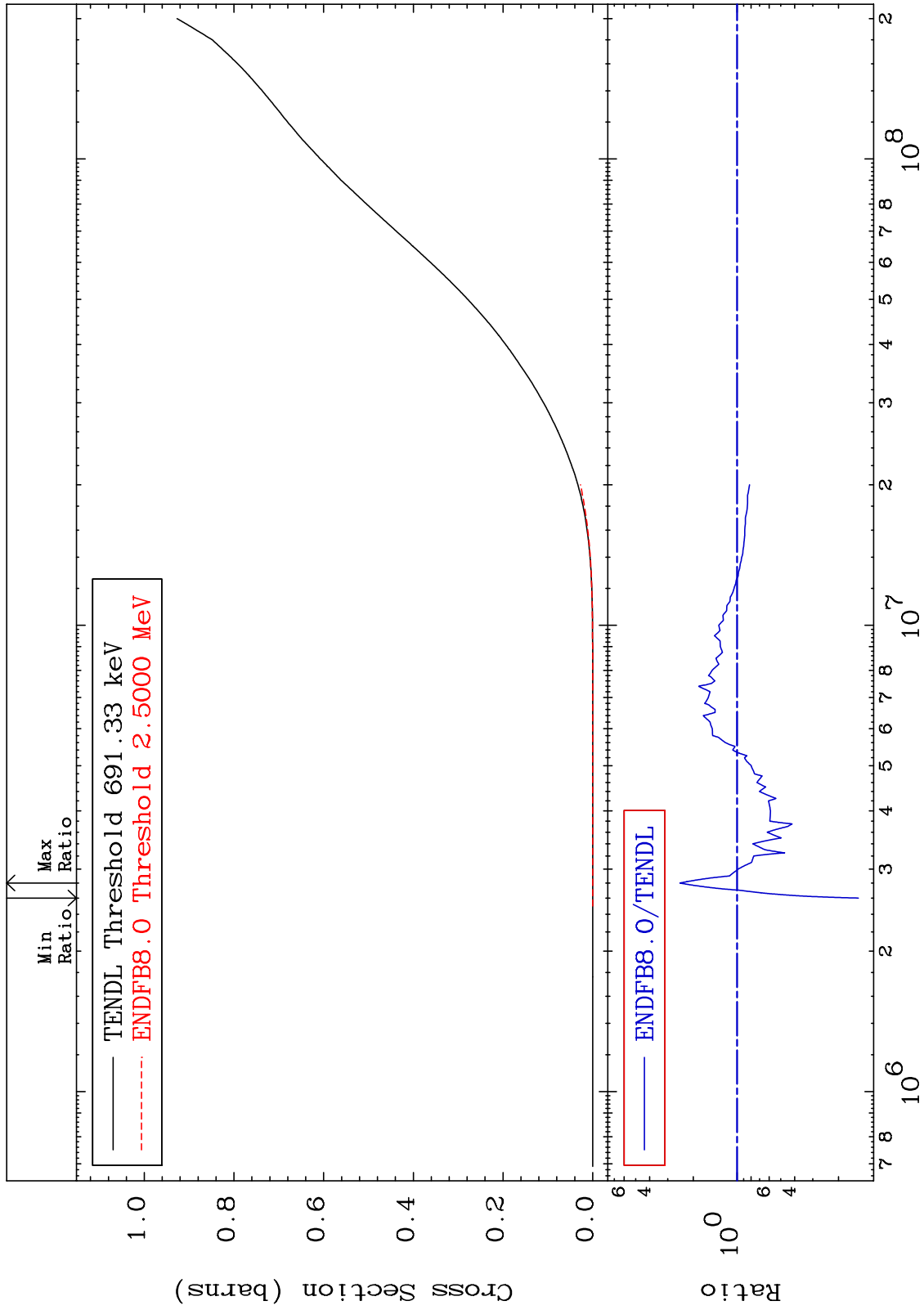
-84.21 To 4134. %



38

Incident Energy (eV)

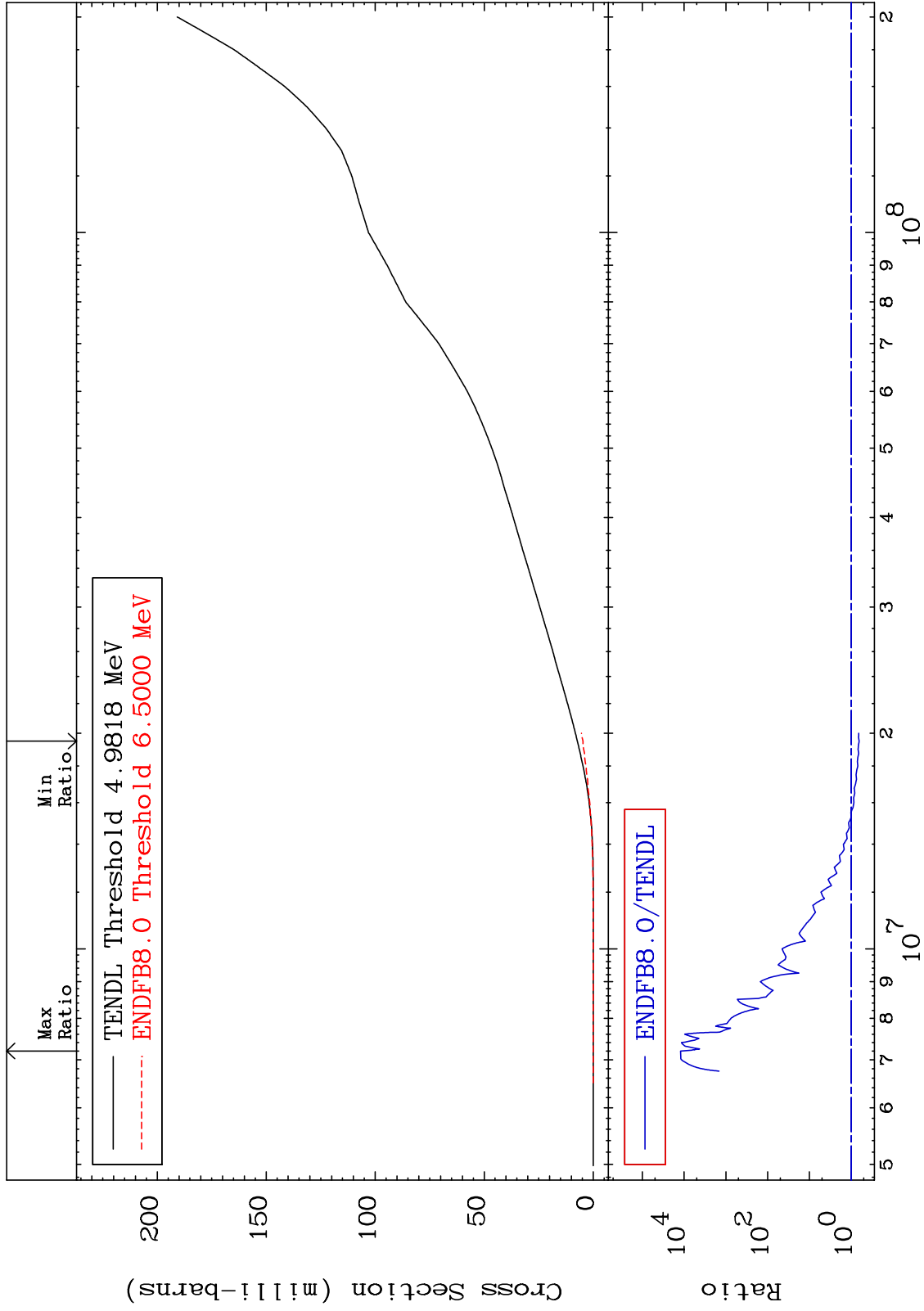
68-Er-166



MAT 6837

Deuterium Production
Cross Section

68-Er-166
-35.44 To 9999. %



40

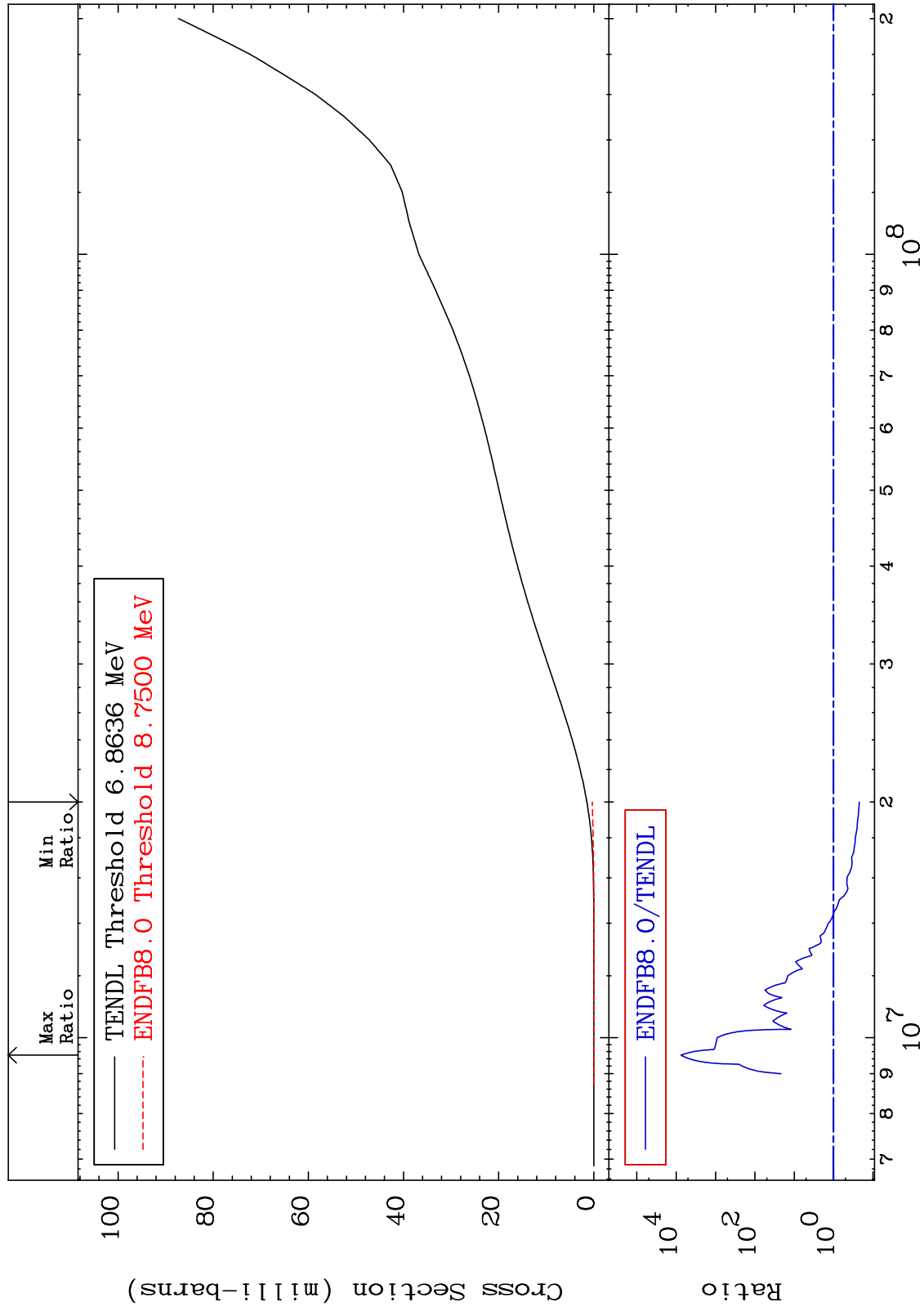
Incident Energy (eV)

68-Er-166

MAT 6837

Tritium Production
Cross Section

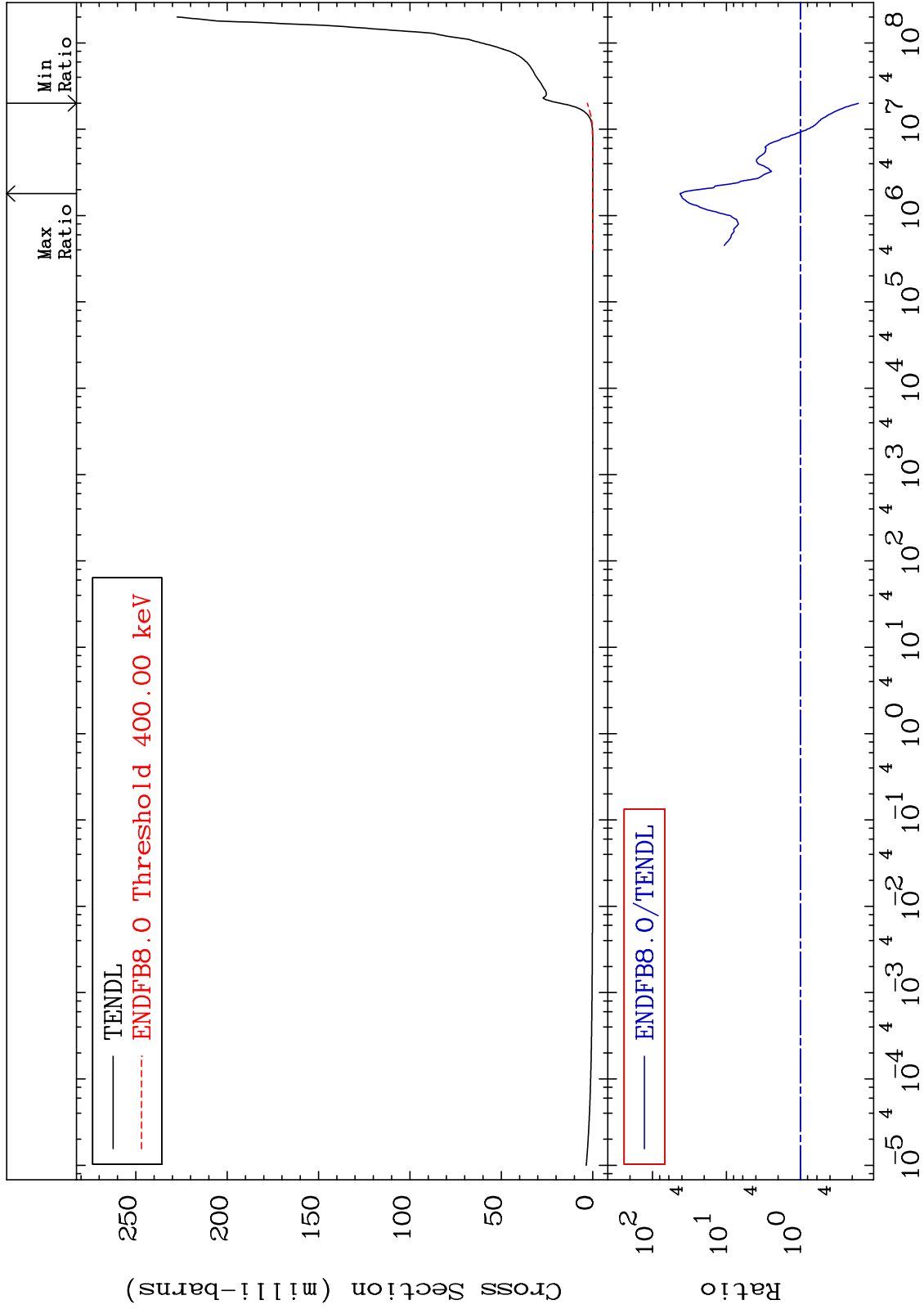
68-Er-166
-77.72 To 9999. %



MAT 6837

He-4 Production
Cross Section

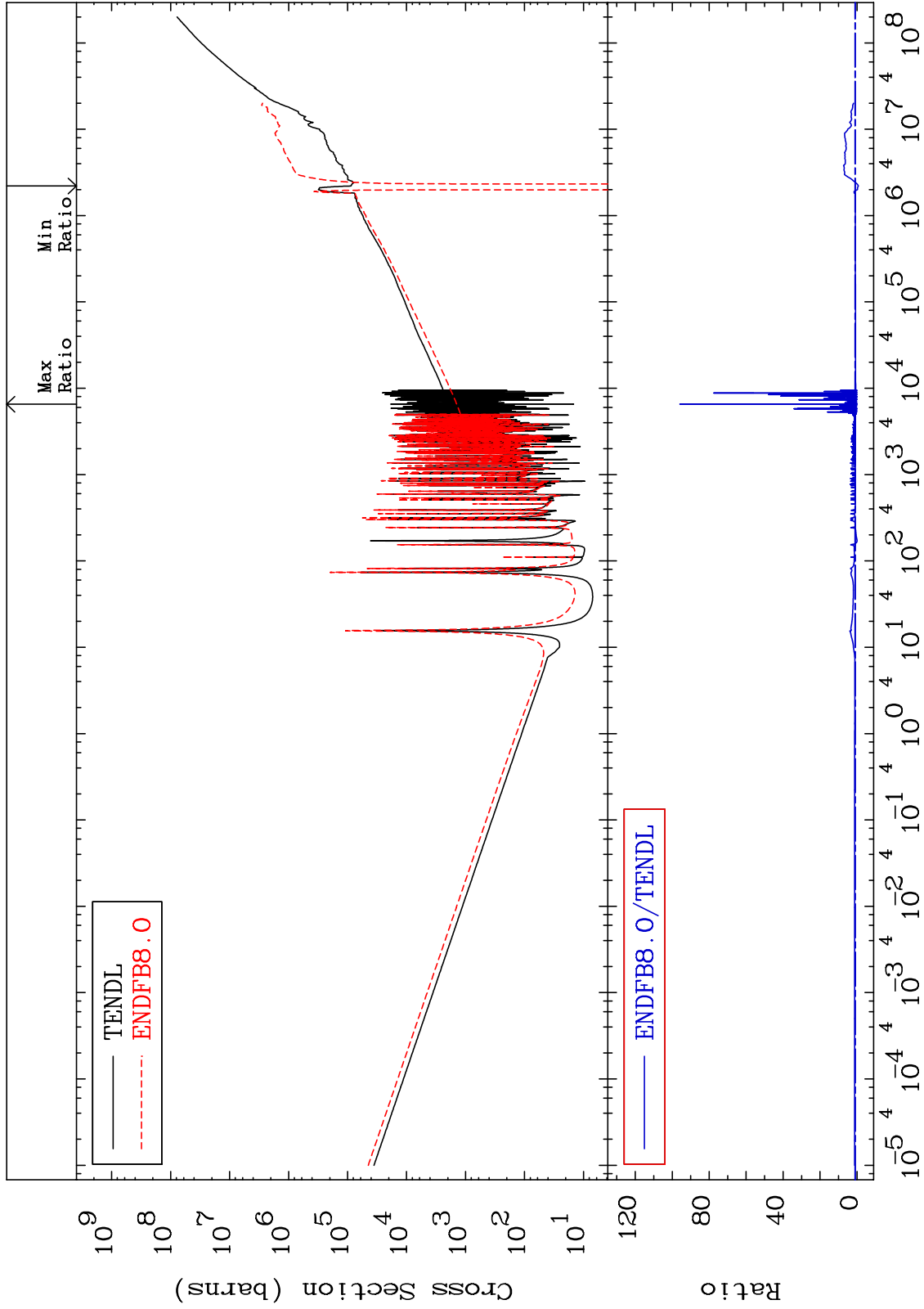
68-Er-166
-83.52 To 4134. %



MAT 6837

Kerma total (eV-barns)
Cross Section

68-Er-166
-175.1 To 9478. %



43

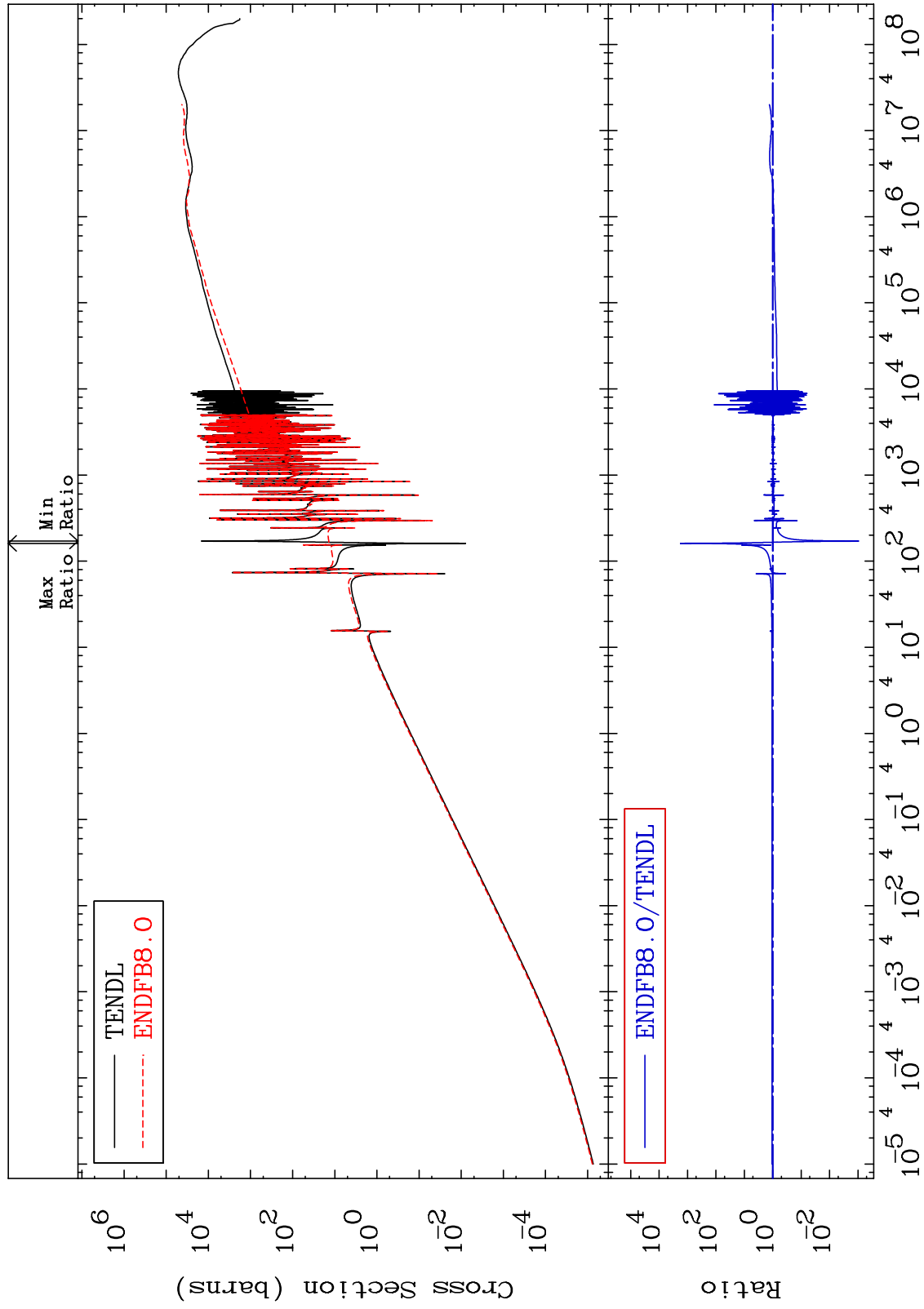
Incident Energy (eV)

68-Er-166

MAT 6837

Kerma elastic
Cross Section

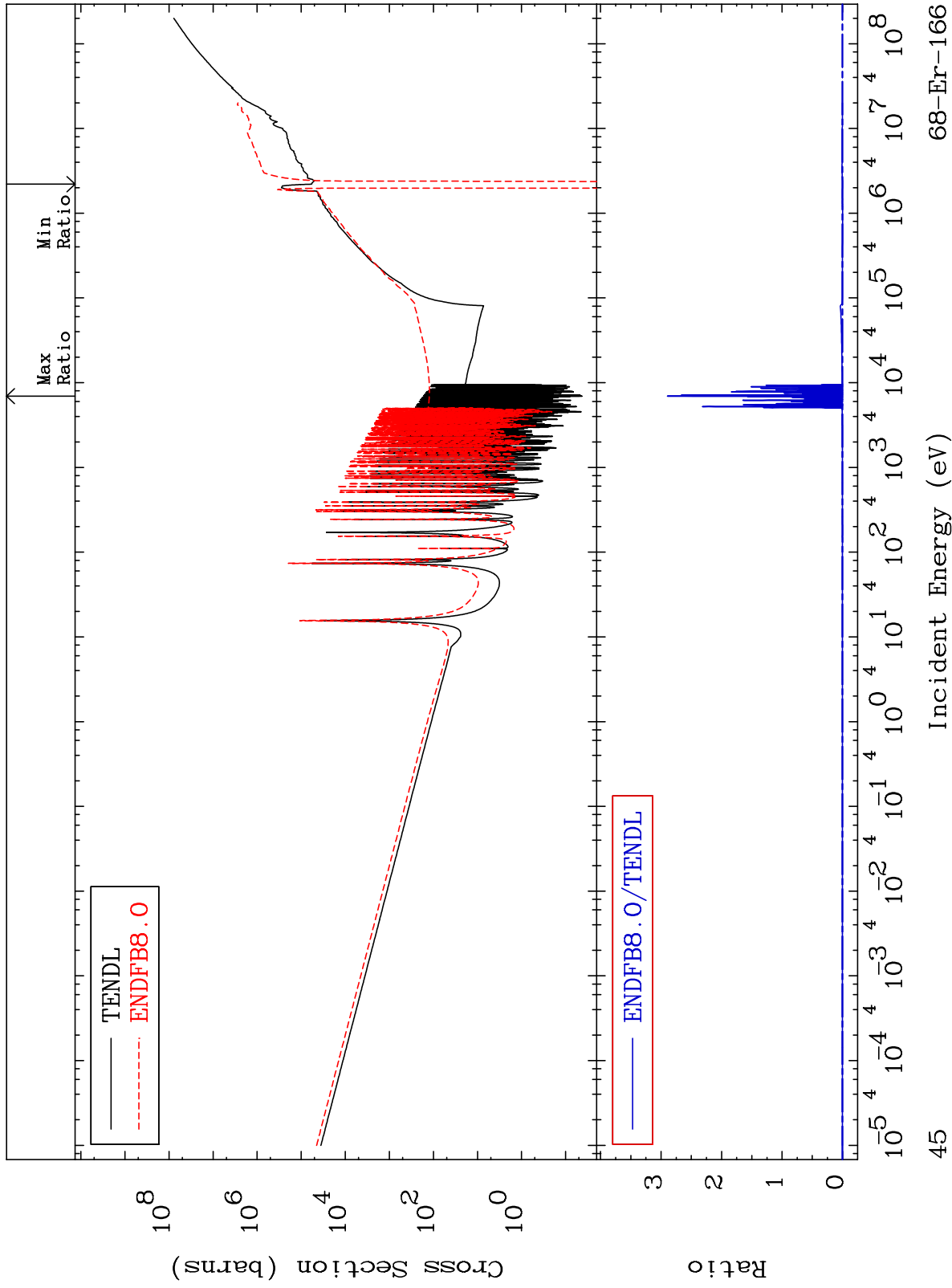
68-Er-166
-99.90 To 9999. %



MAT 6837

Kerma non-elastic (all but mt2)
Cross Section

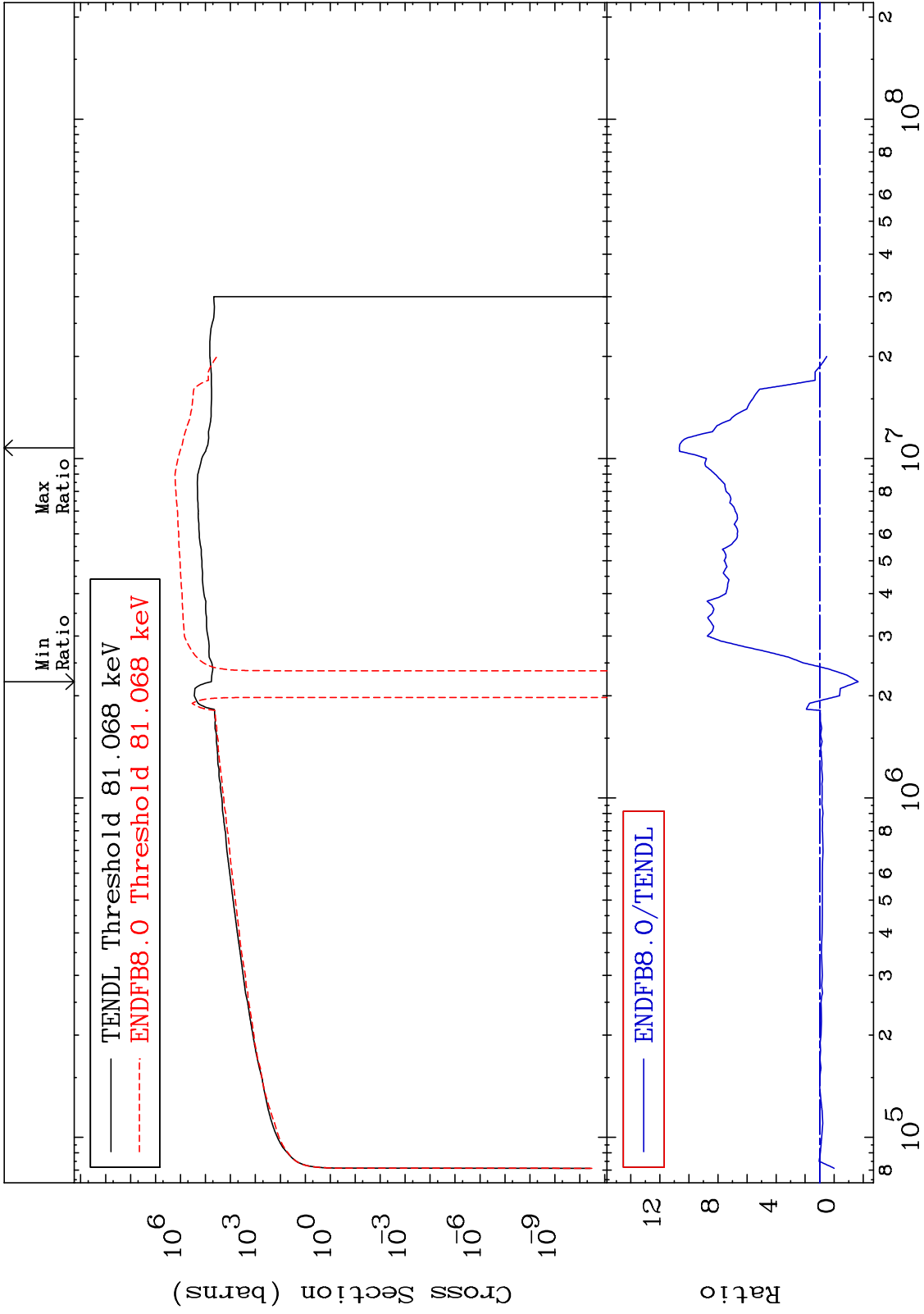
68-Er-166
-264.2 To 9999. %



MAT 6837

Kerma inelastic (mt51-91)
Cross Section

68-Er-166
-265.4 To 965.6 %



46

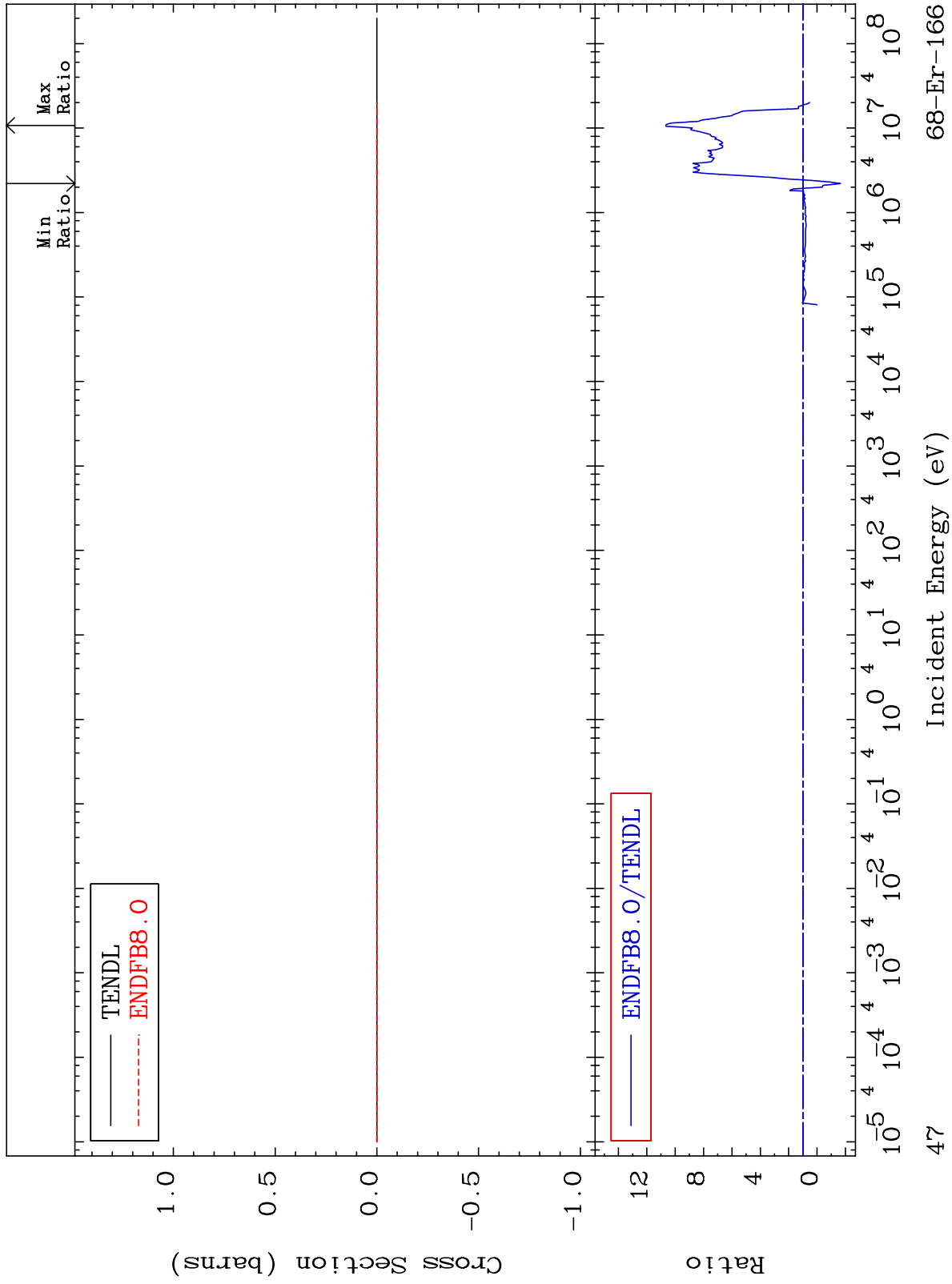
Incident Energy (eV)

68-Er-166

MAT 6837

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

68-Er-166
-265.4 To 965.6 %



47

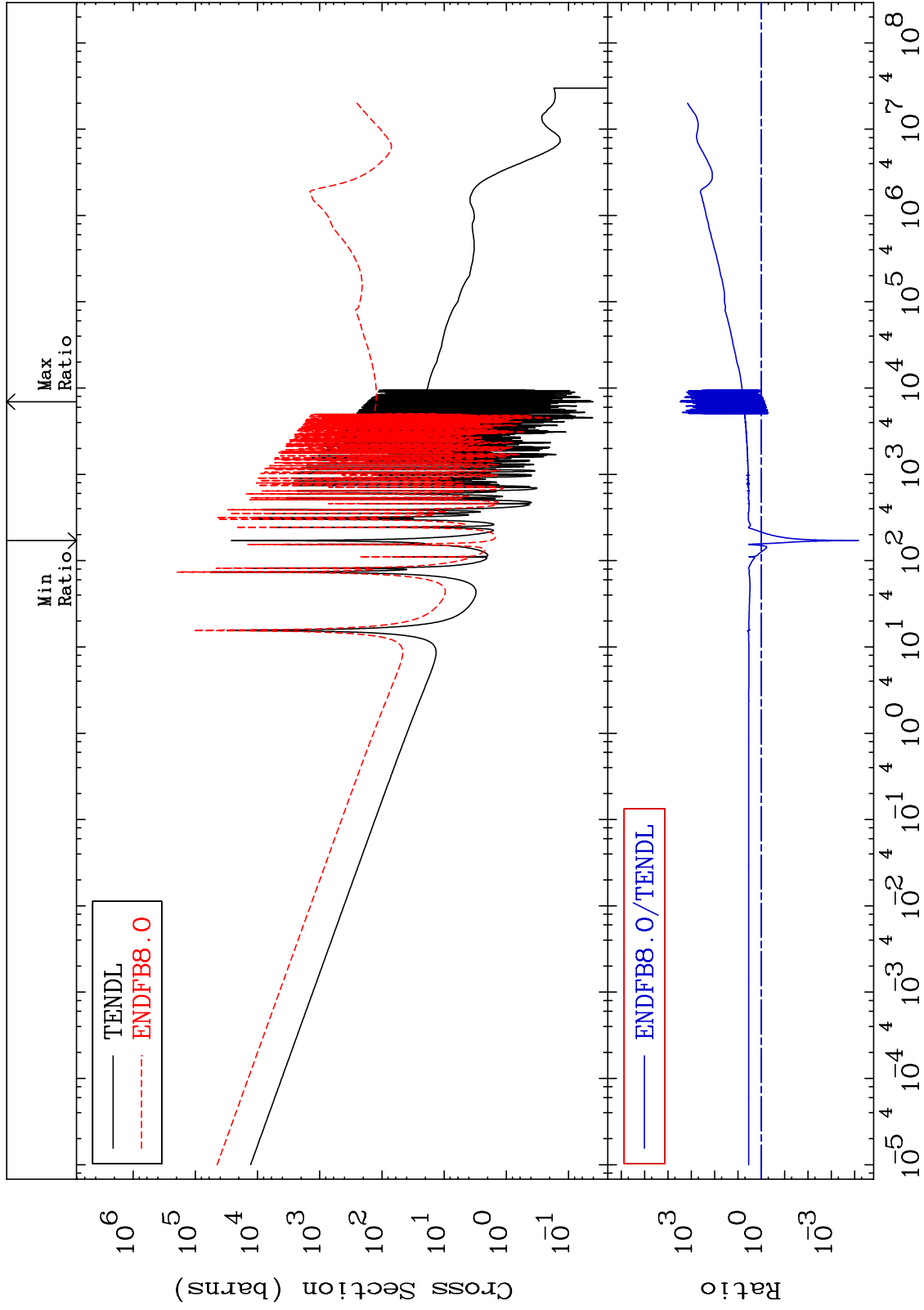
Incident Energy (eV)

68-Er-166

MAT 6837

Kerma capture (mt102)
Cross Section

68-Er-166
-99.99 To 9999. %



48

Incident Energy (eV)

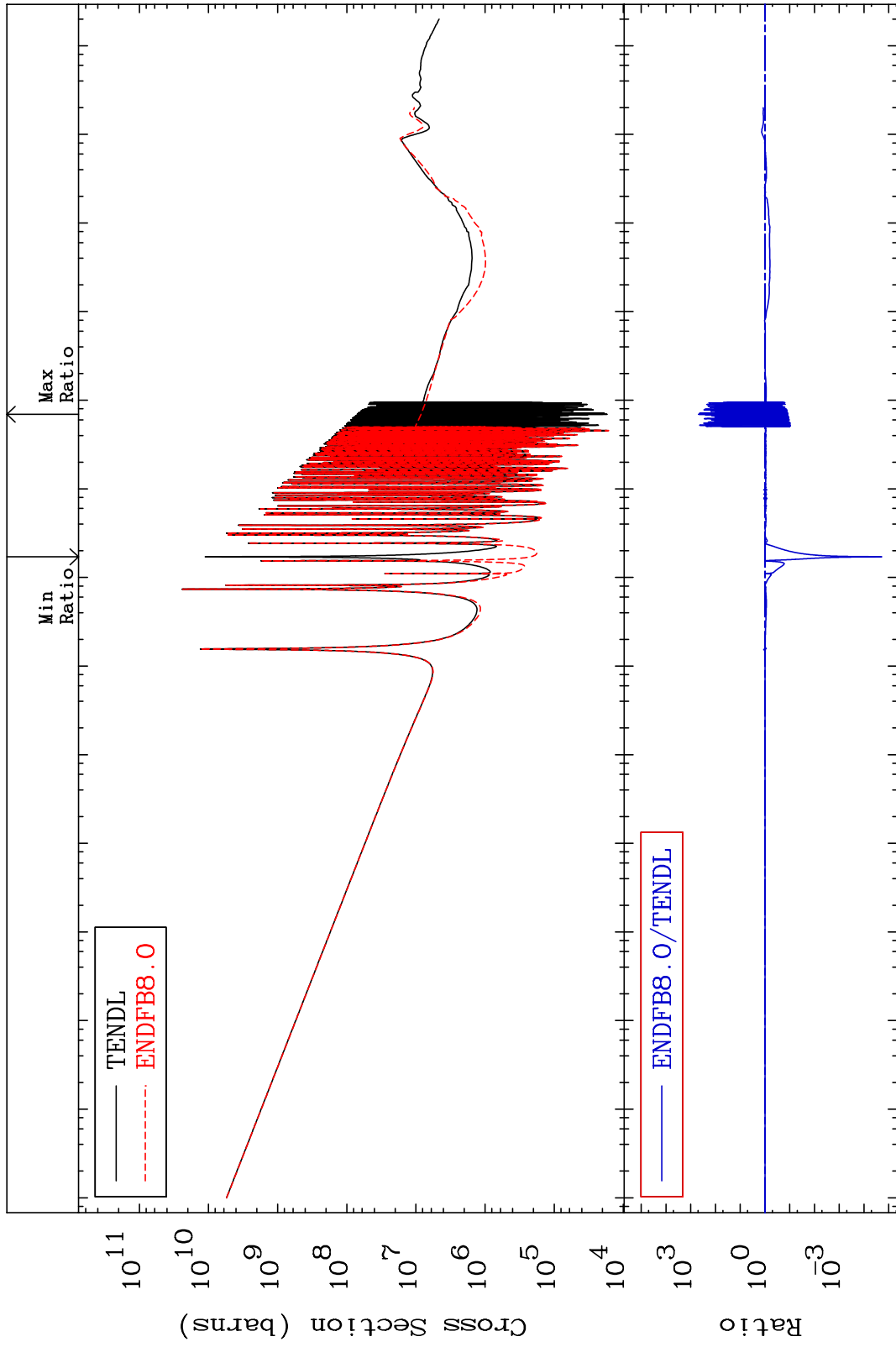
68-Er-166

MAT 6837

Total photon (eV-barns)
Cross Section

68-Er-166

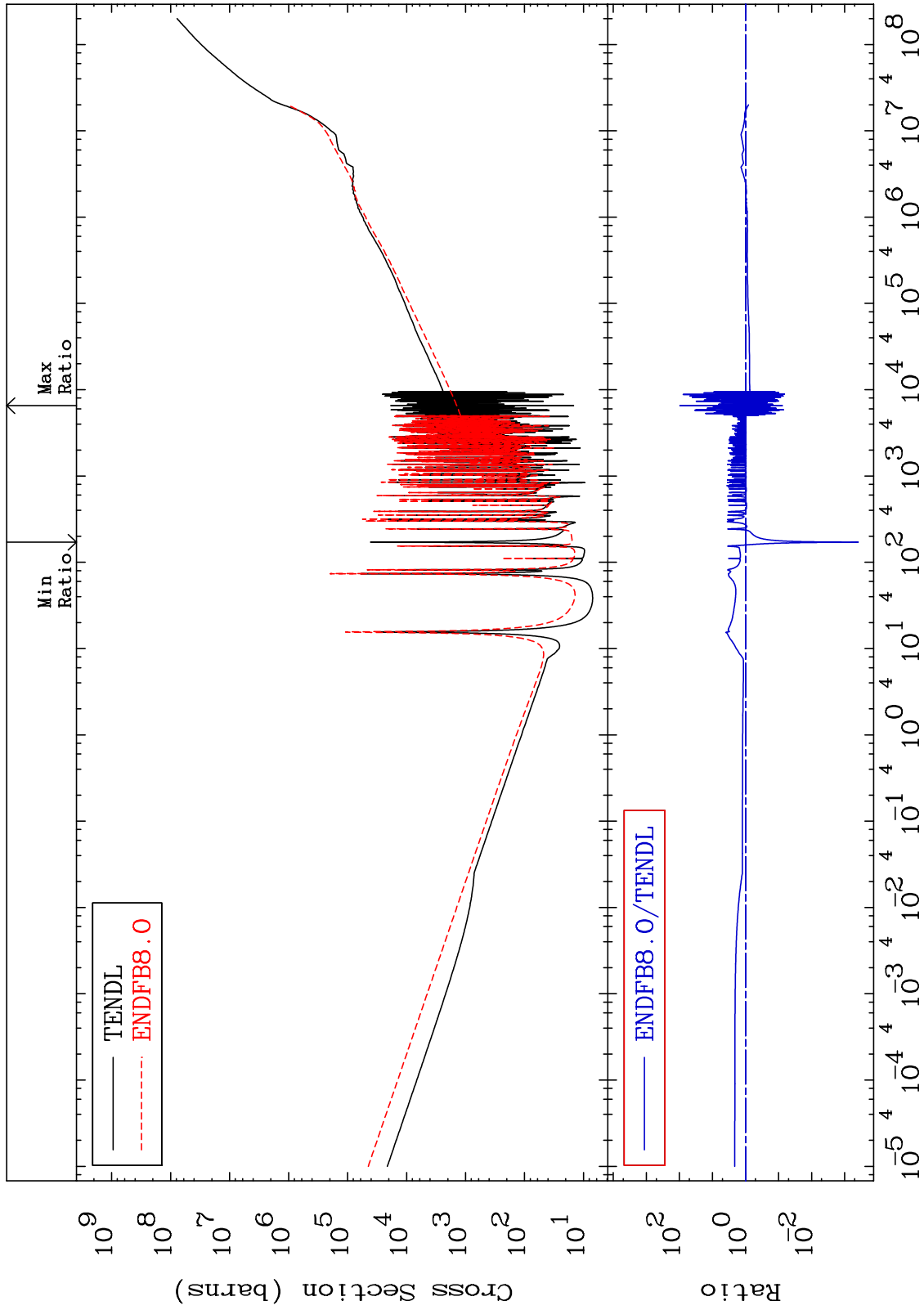
-100.0 To 9999. %



MAT 6837

Total kinematic kerma (high limit)
Cross Section

68-Er-166
-99.96 To 9478. %



50

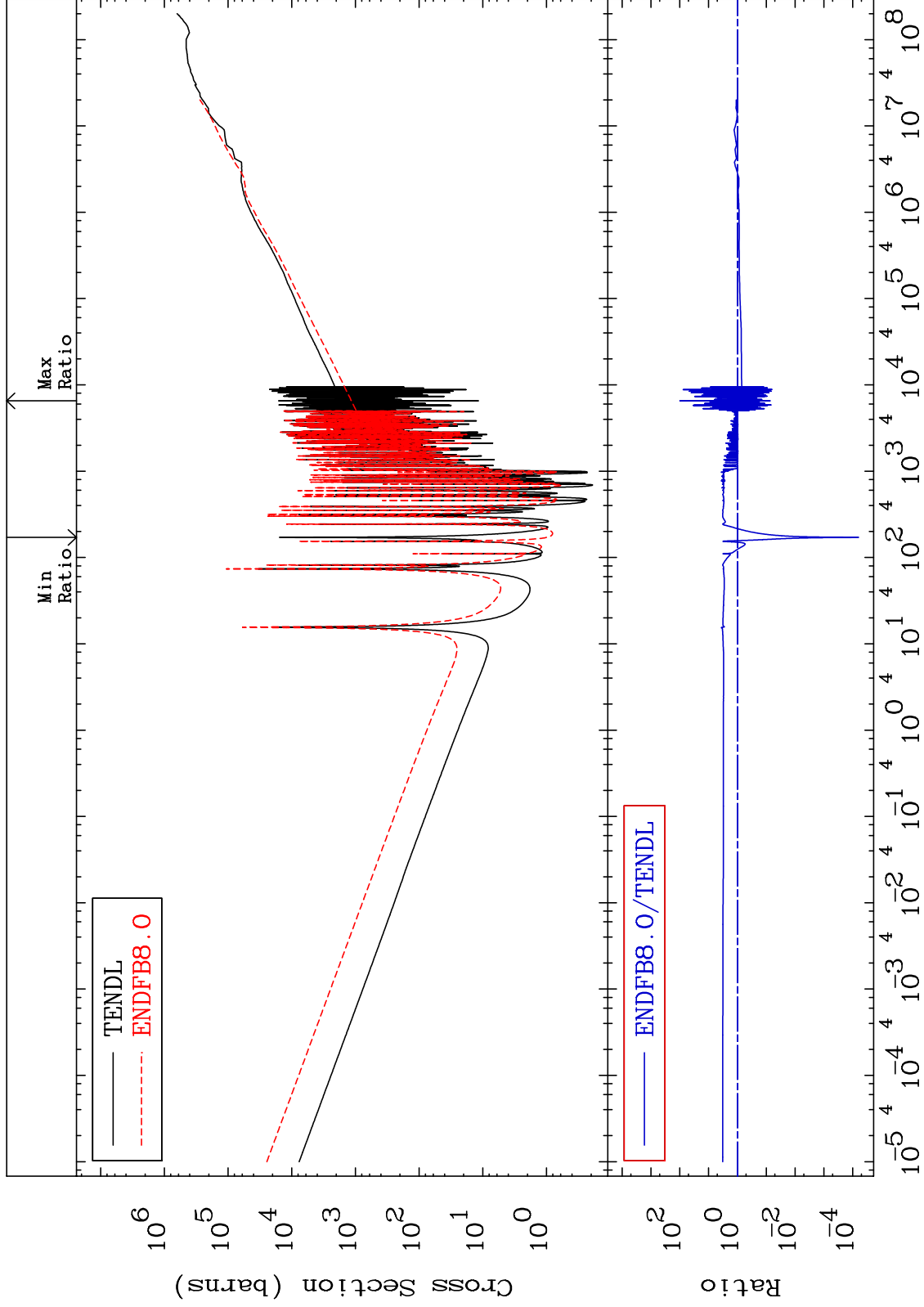
Incident Energy (eV)

68-Er-166

MAT 6837

Dpa total (eV-barns)
Cross Section

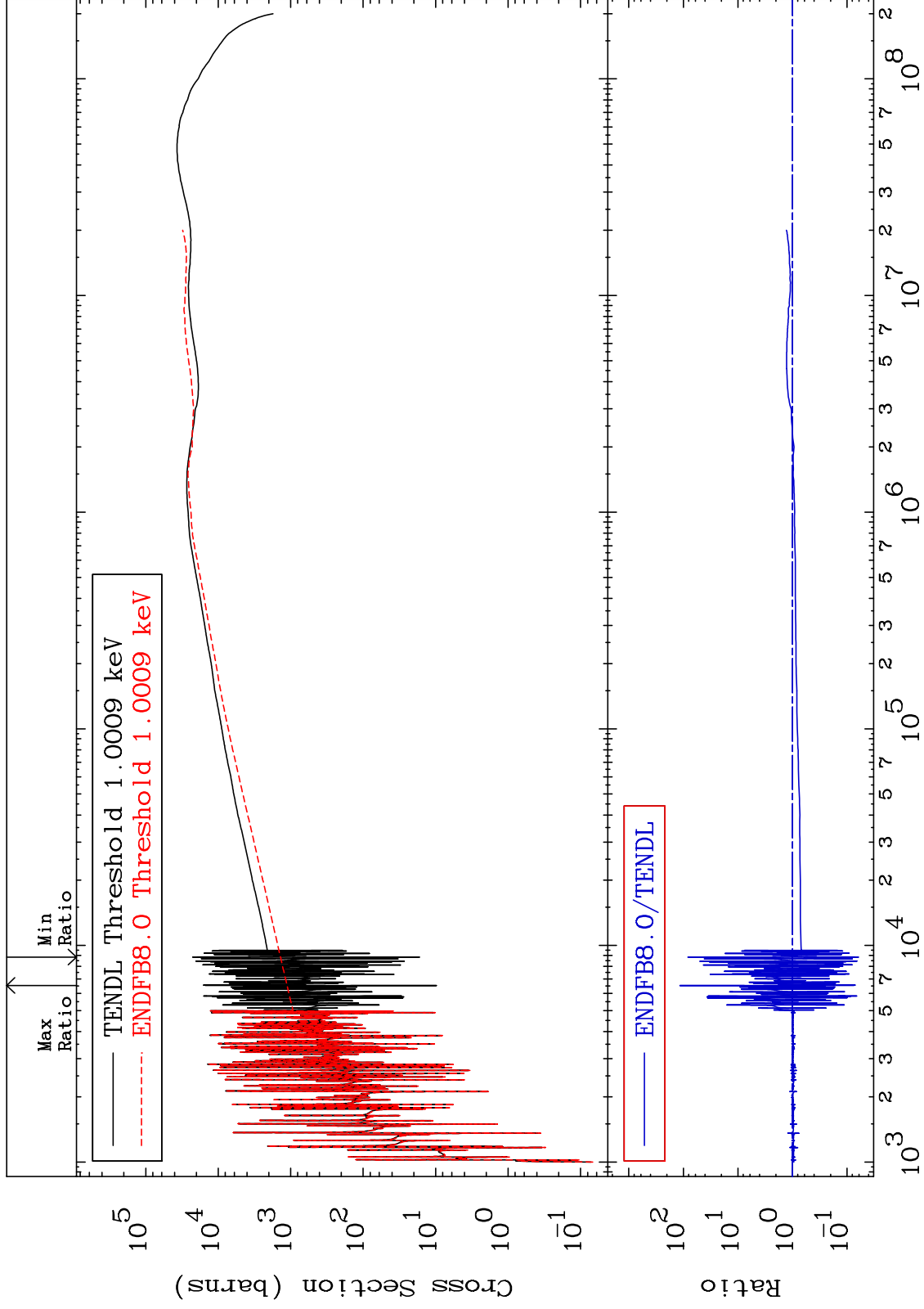
68-Er-166
-99.99 To 9727. %



MAT 6837

Dpa elastic (mt2)
Cross Section

68-Er-166
-93.82 To 9999. %



52

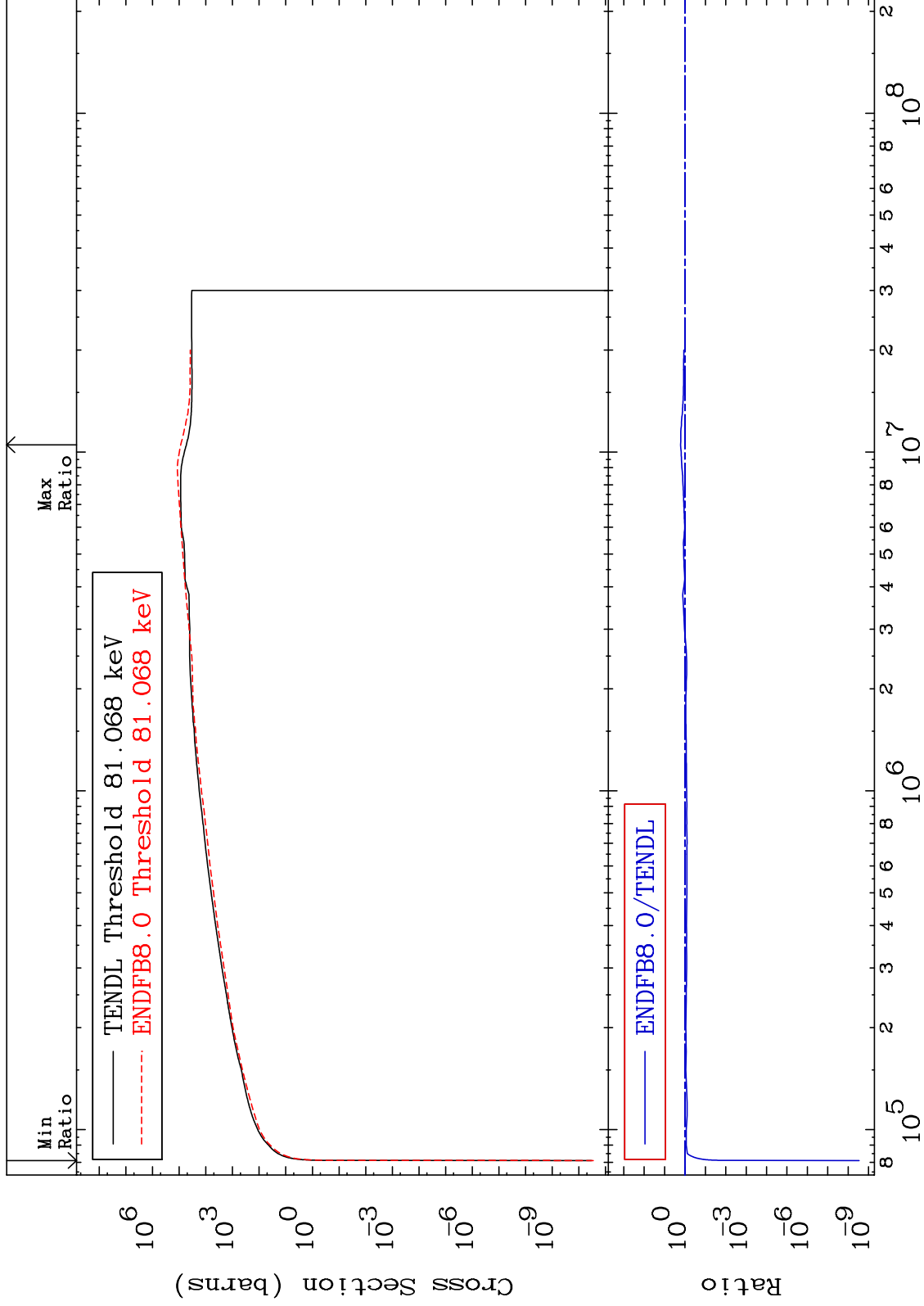
Incident Energy (eV)

68-Er-166

MAT 6837

Dpa inelastic (mt51-91)
Cross Section

68-Er-166
-100.0 To 63.12 %



MAT 6837

Dpa disappearance (mt102 -120)
Cross Section

68-Er-166
-99.99 To 9999. %

