

Program Complot
(Version 2018-1)

by

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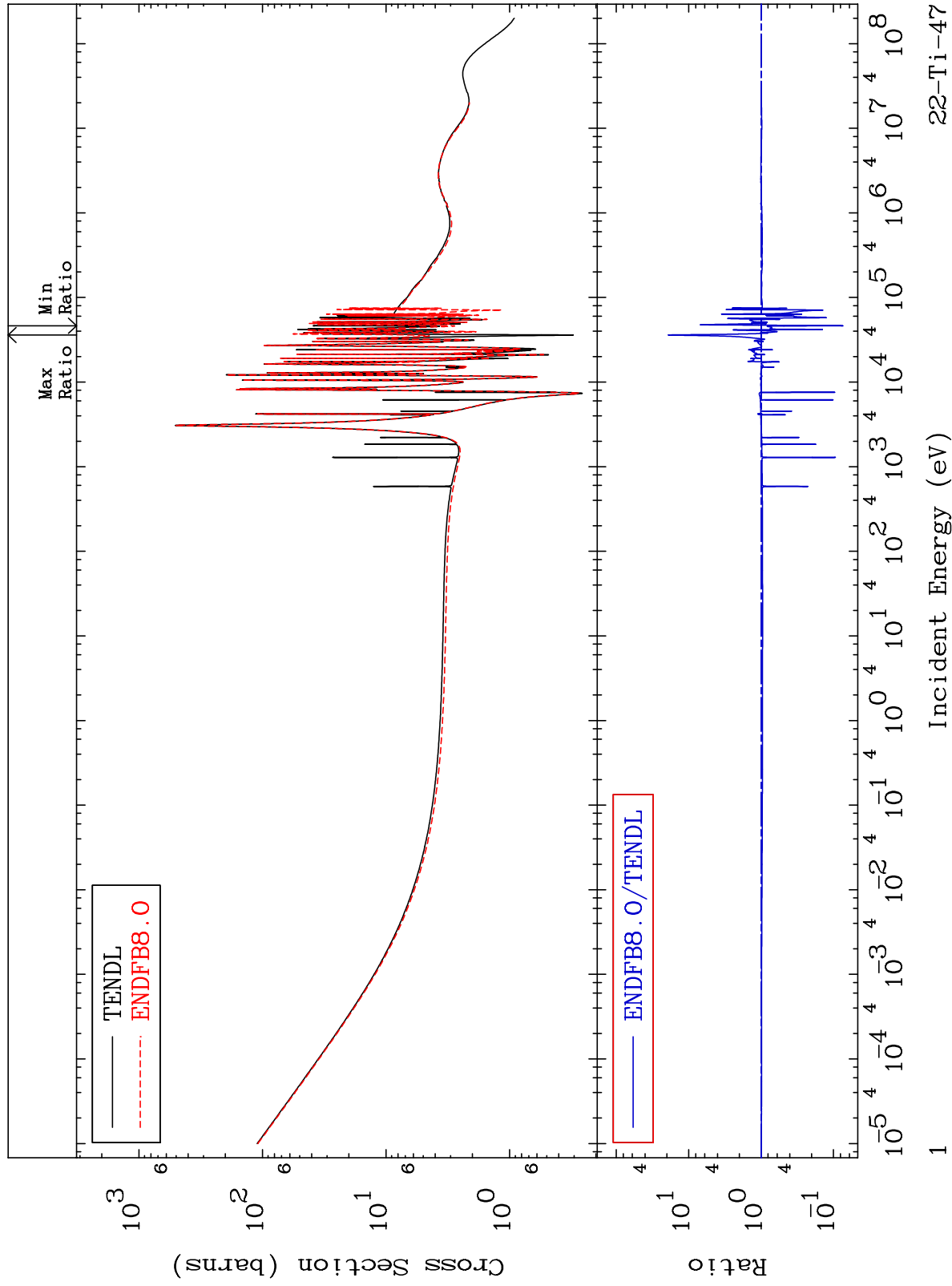
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2228

Total
Cross Section

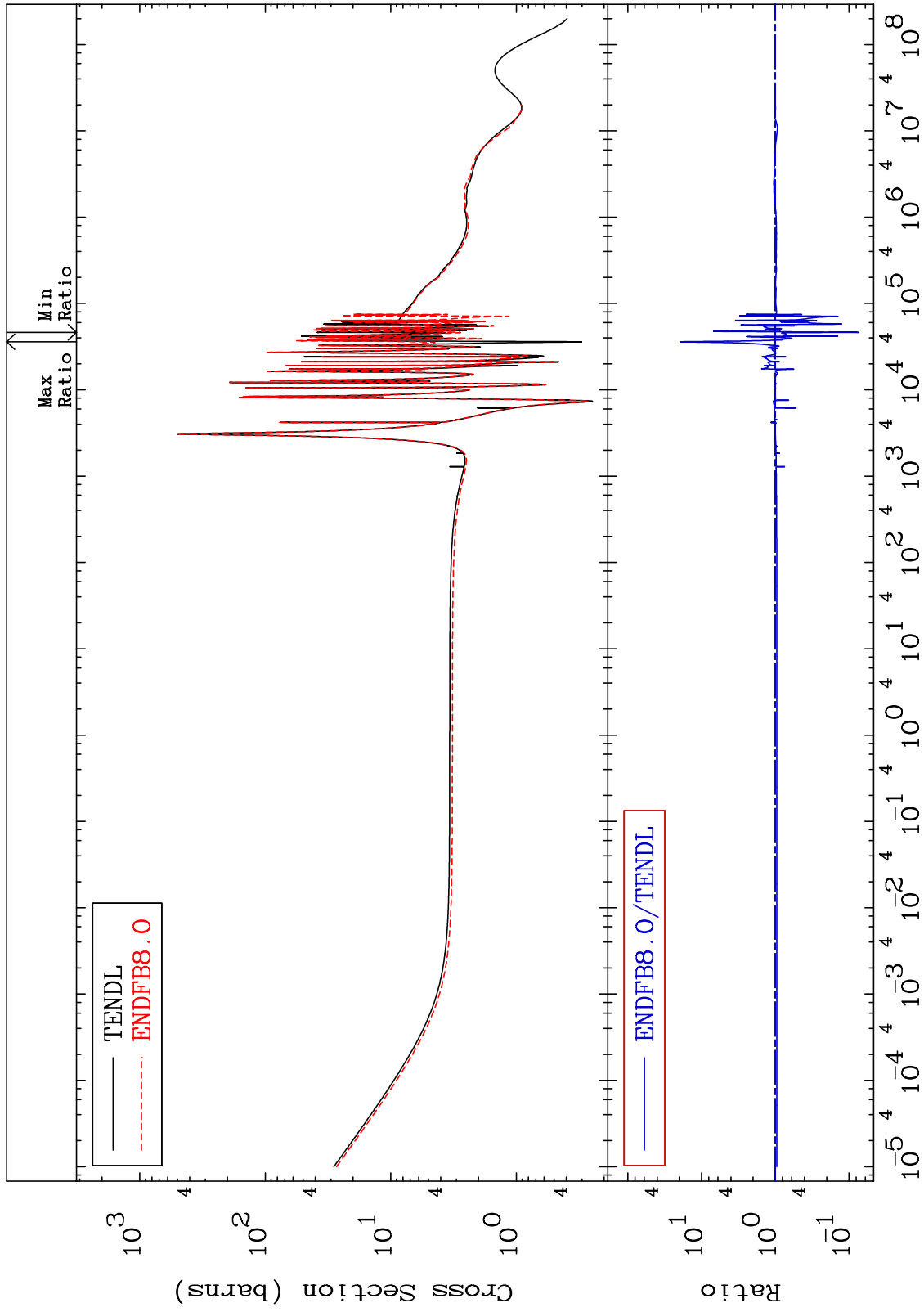
22-Ti-47
-92.59 To 1829. %



MAT 2228

Elastic
Cross Section

22-Ti-47
-92.55 To 1861. %

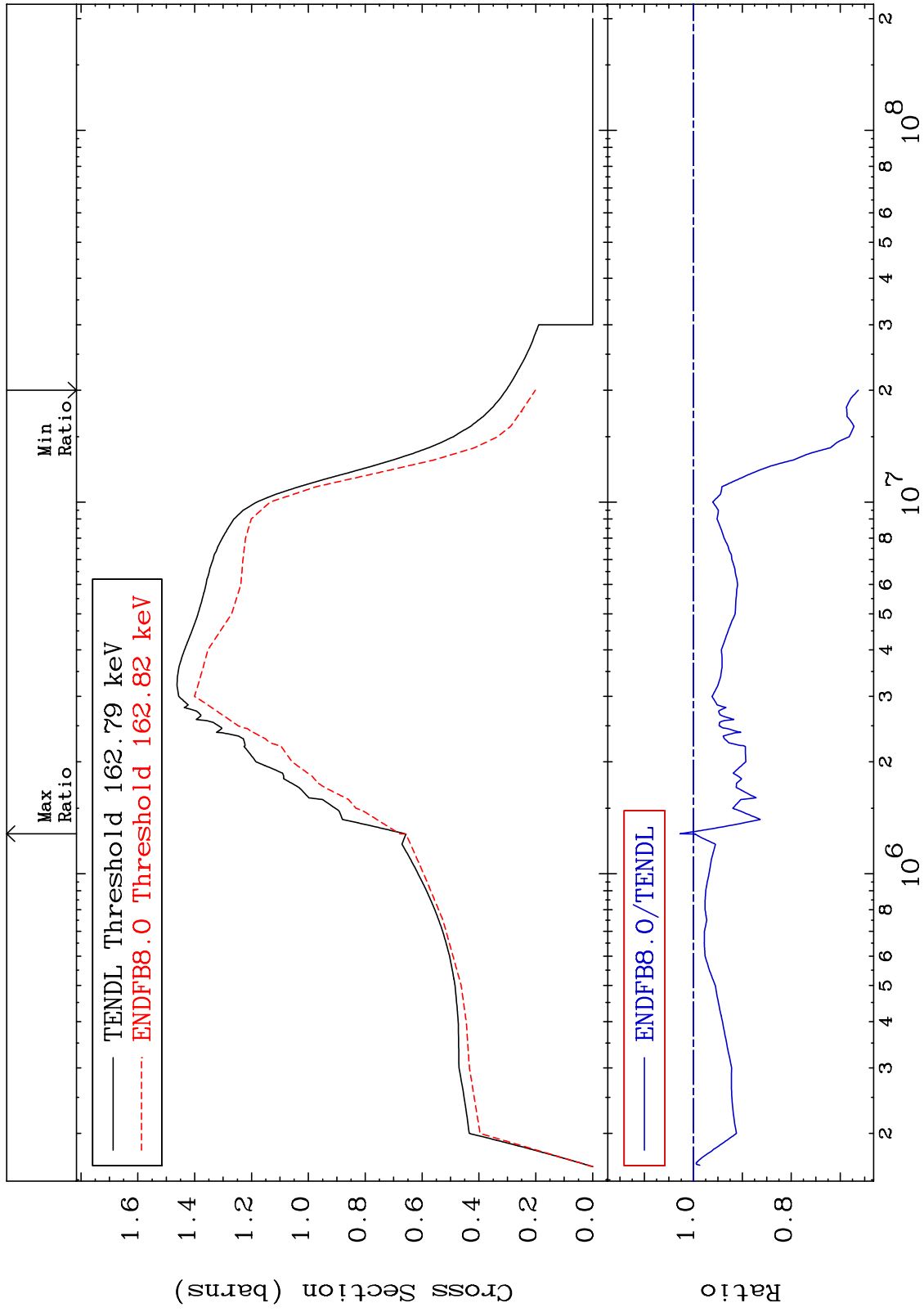


MAT 2228

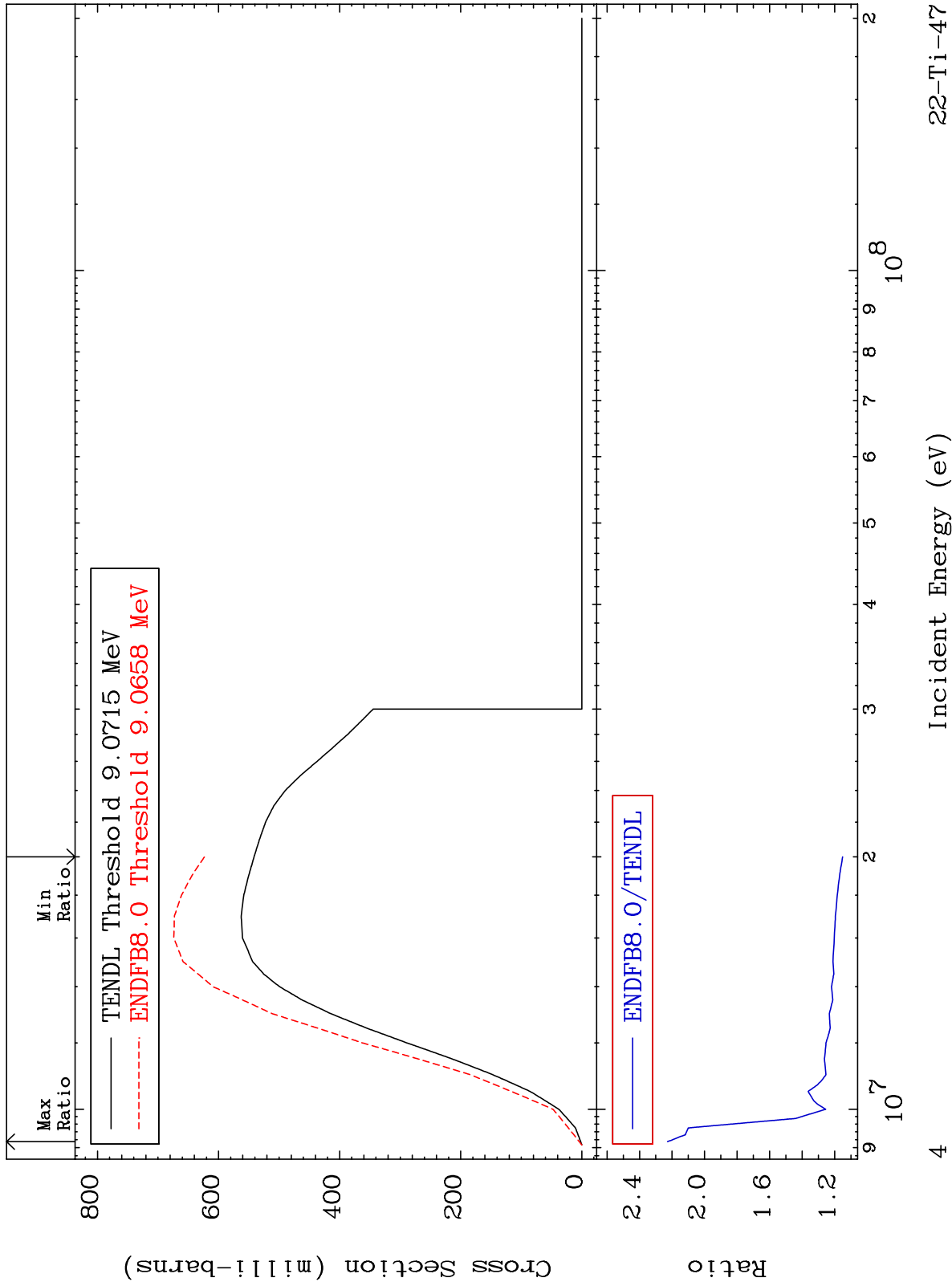
Inelastic
Cross Section

22-Ti-47

-33.72 To 2.732 %



MAT 2228 (n,2n) Cross Section 22-Ti-47 15.14 To 122.8 %



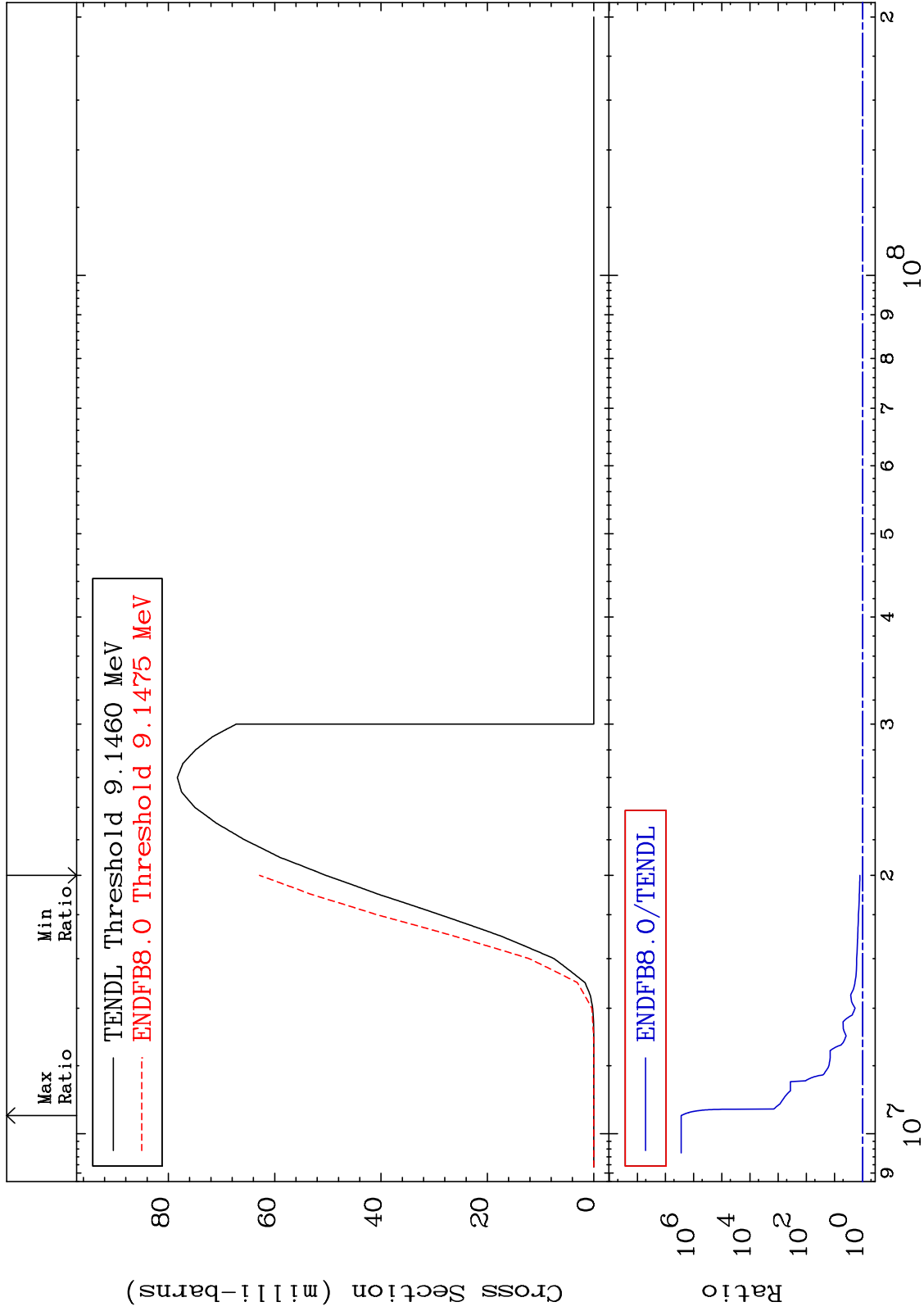
MAT 2228

(n,n') α

22-Ti-47

Cross Section

24.75 To 9999. %



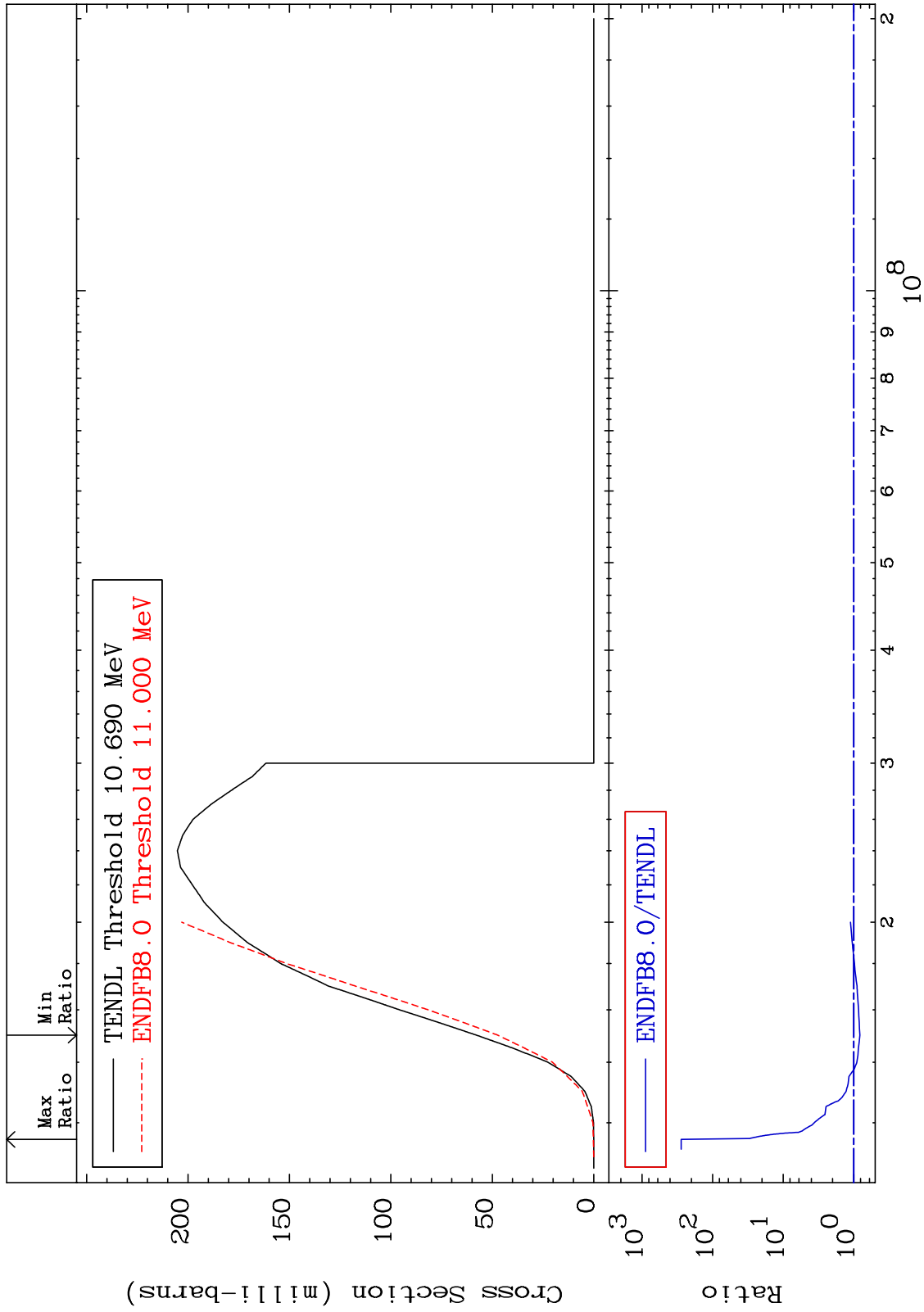
Incident Energy (eV)

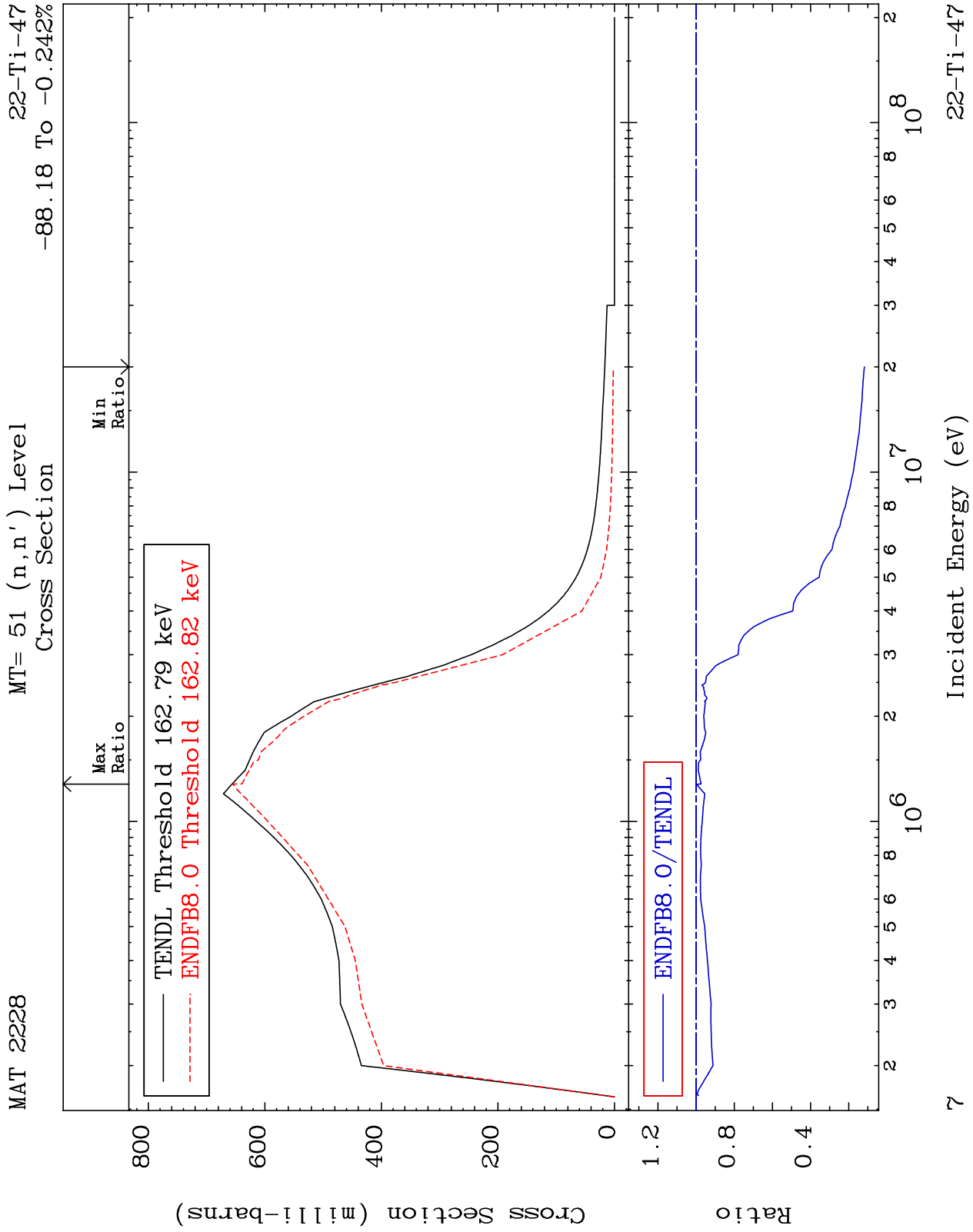
22-Ti-47

MAT 2228

(n,n') p
Cross Section

22-Ti-47
-18.18 To 9999. %

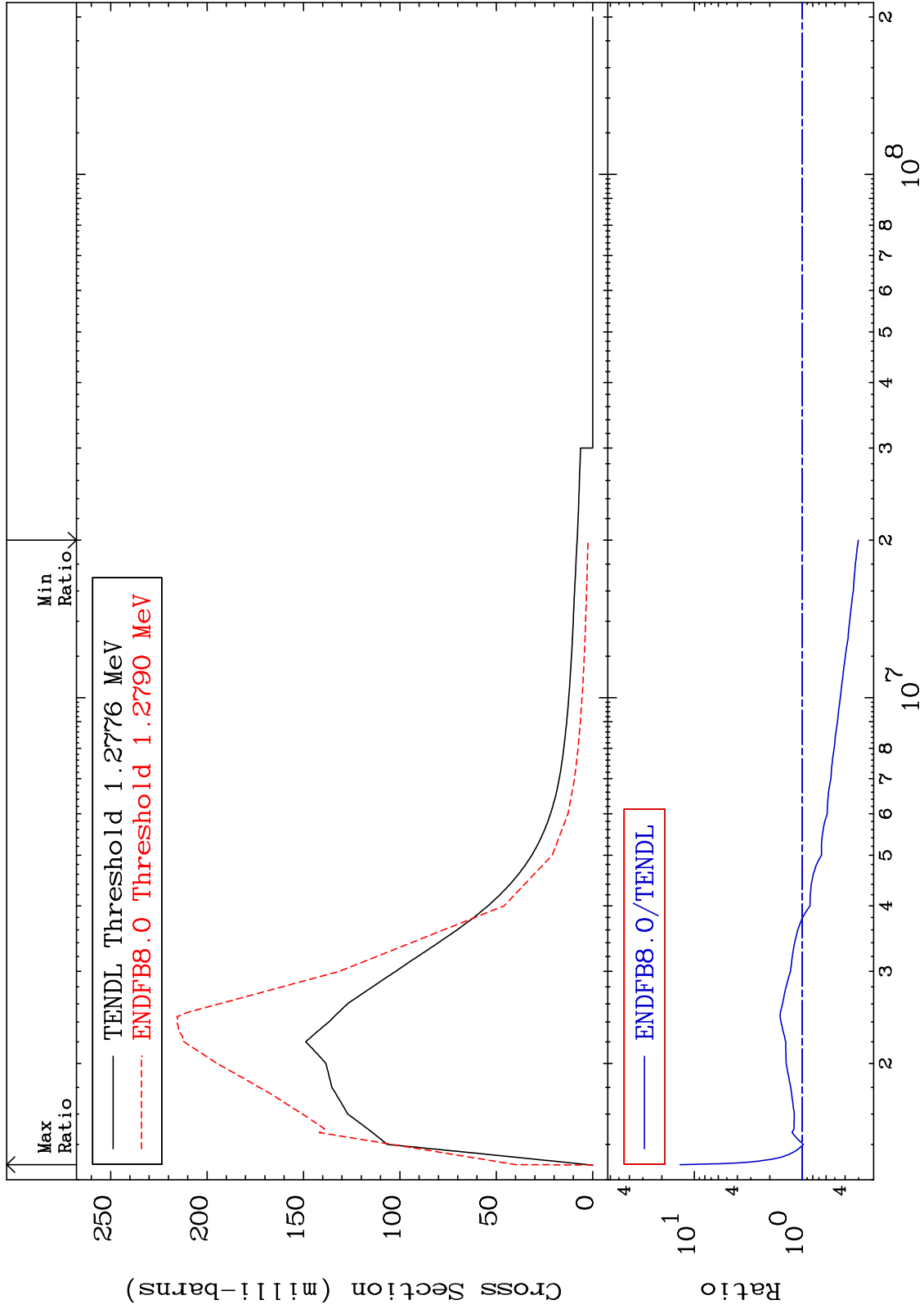


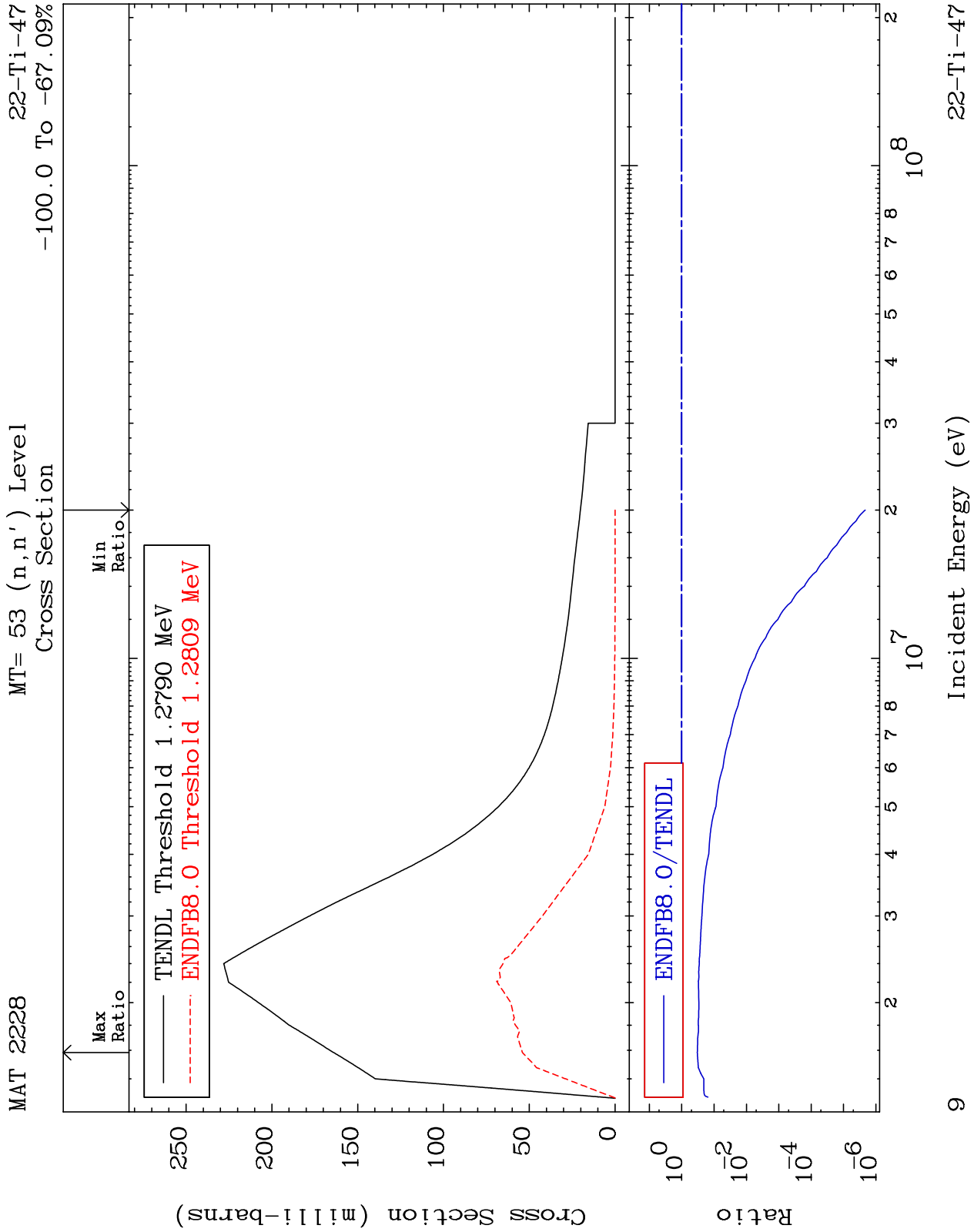


MAT 2228

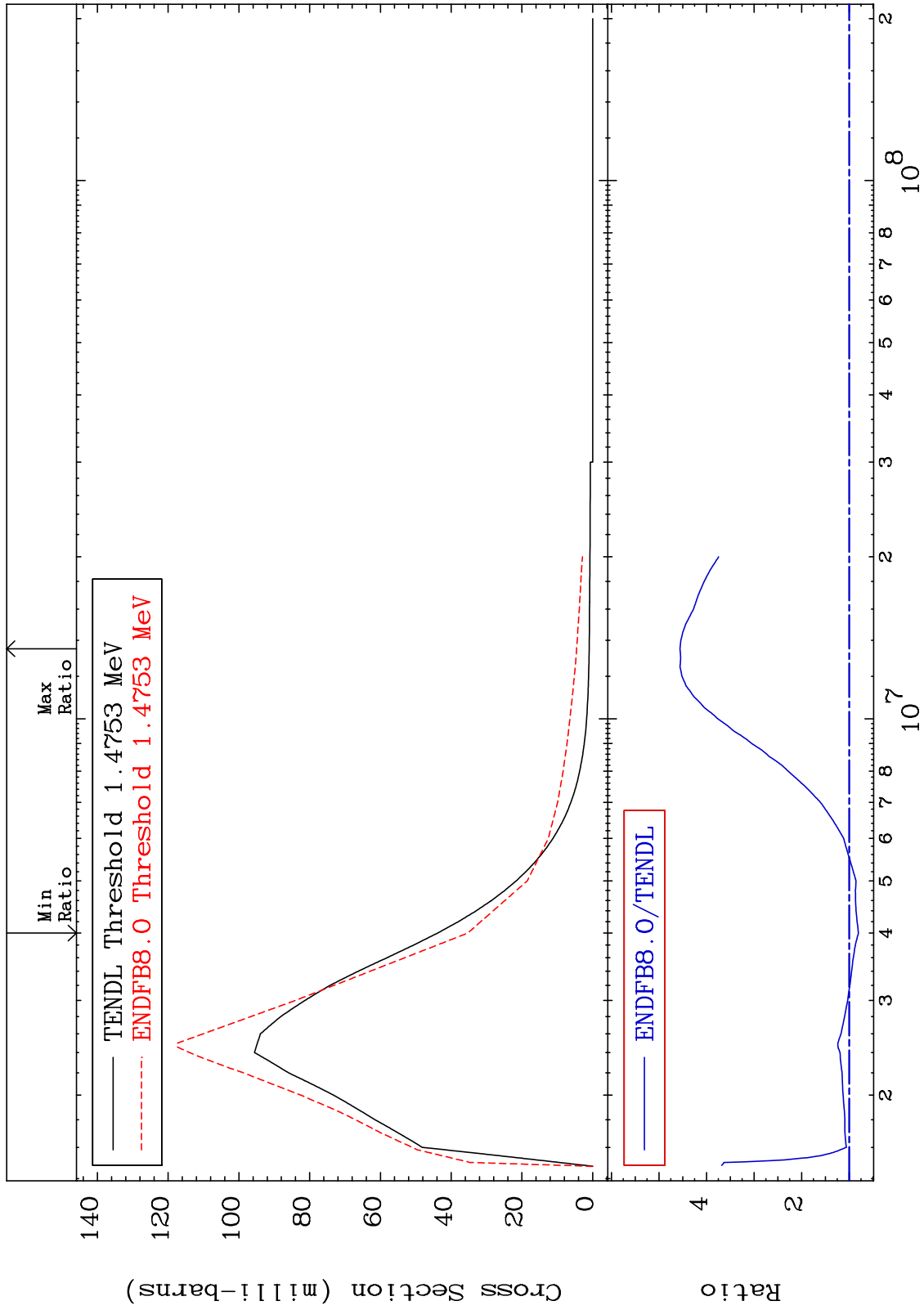
MT= 52 (n,n') Level
Cross Section

22-Ti-47
-69.85 To 1258. %





MAT 2228 MT= 54 (n,n') Level Cross Section -19.47 To 355.7 % 22-Ti-47

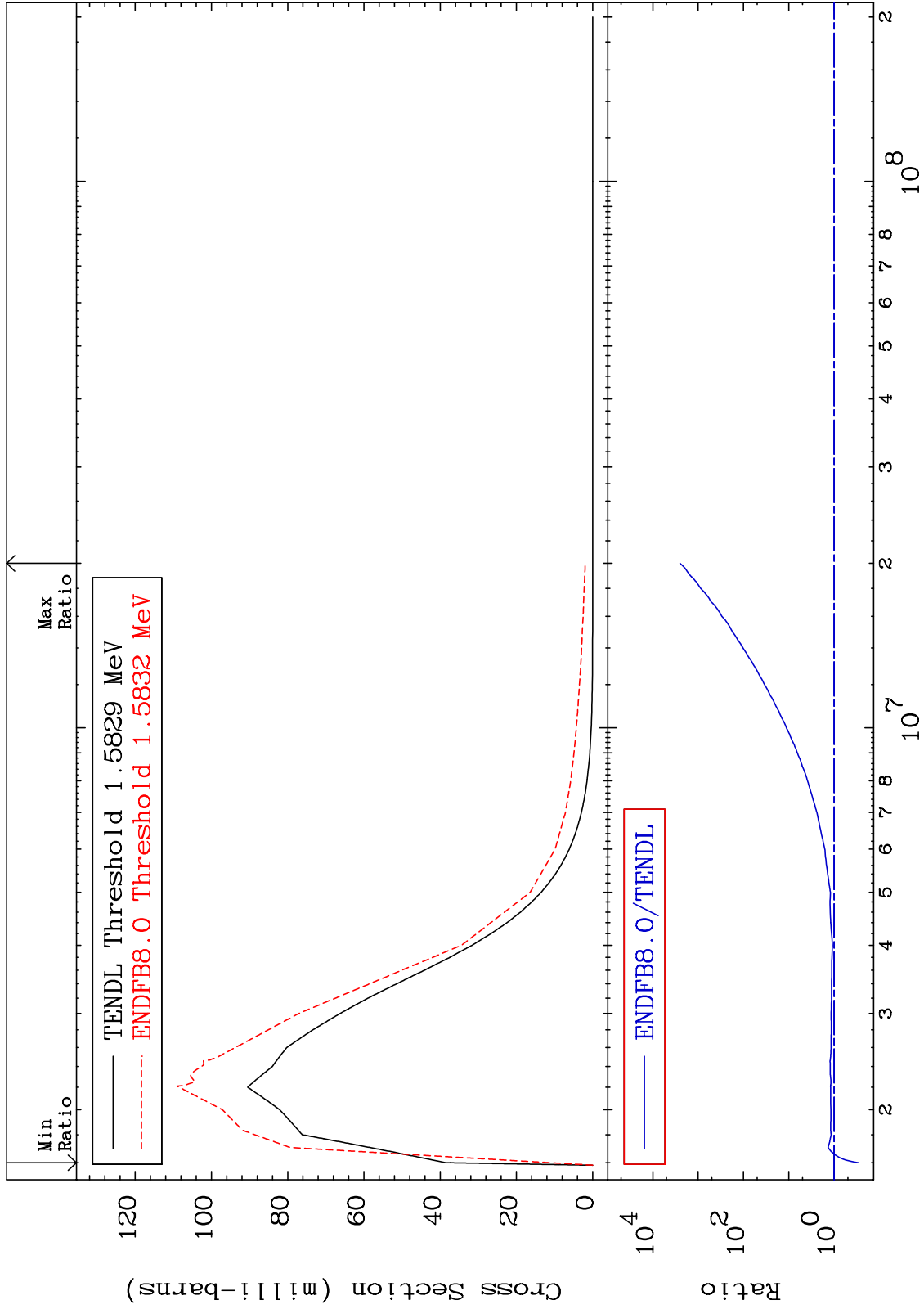


10 Incident Energy (eV) 22-Ti-47

MAT 2228

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

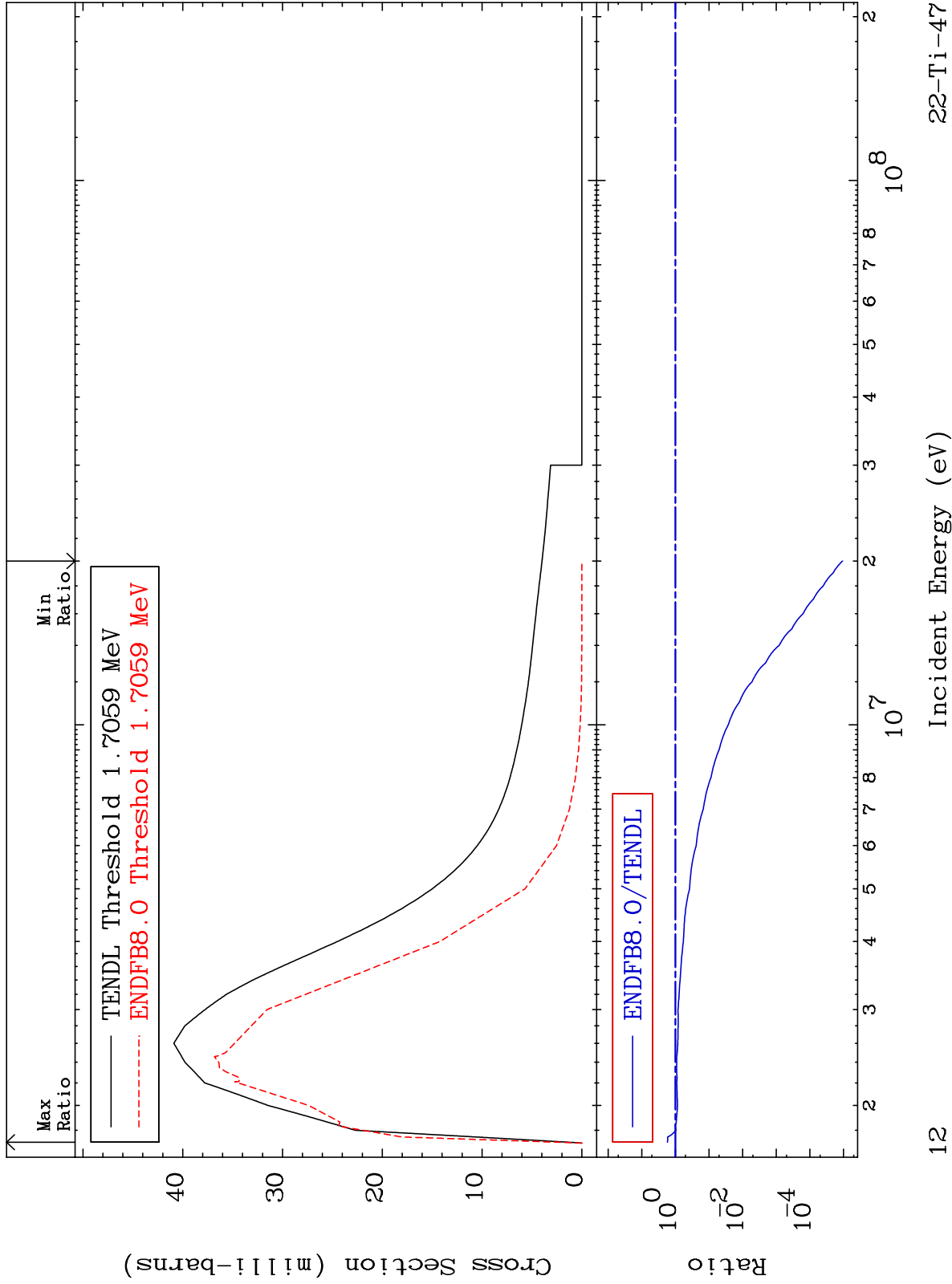
22-Ti-47
-70.83 To 9999. %



MAT 2228

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

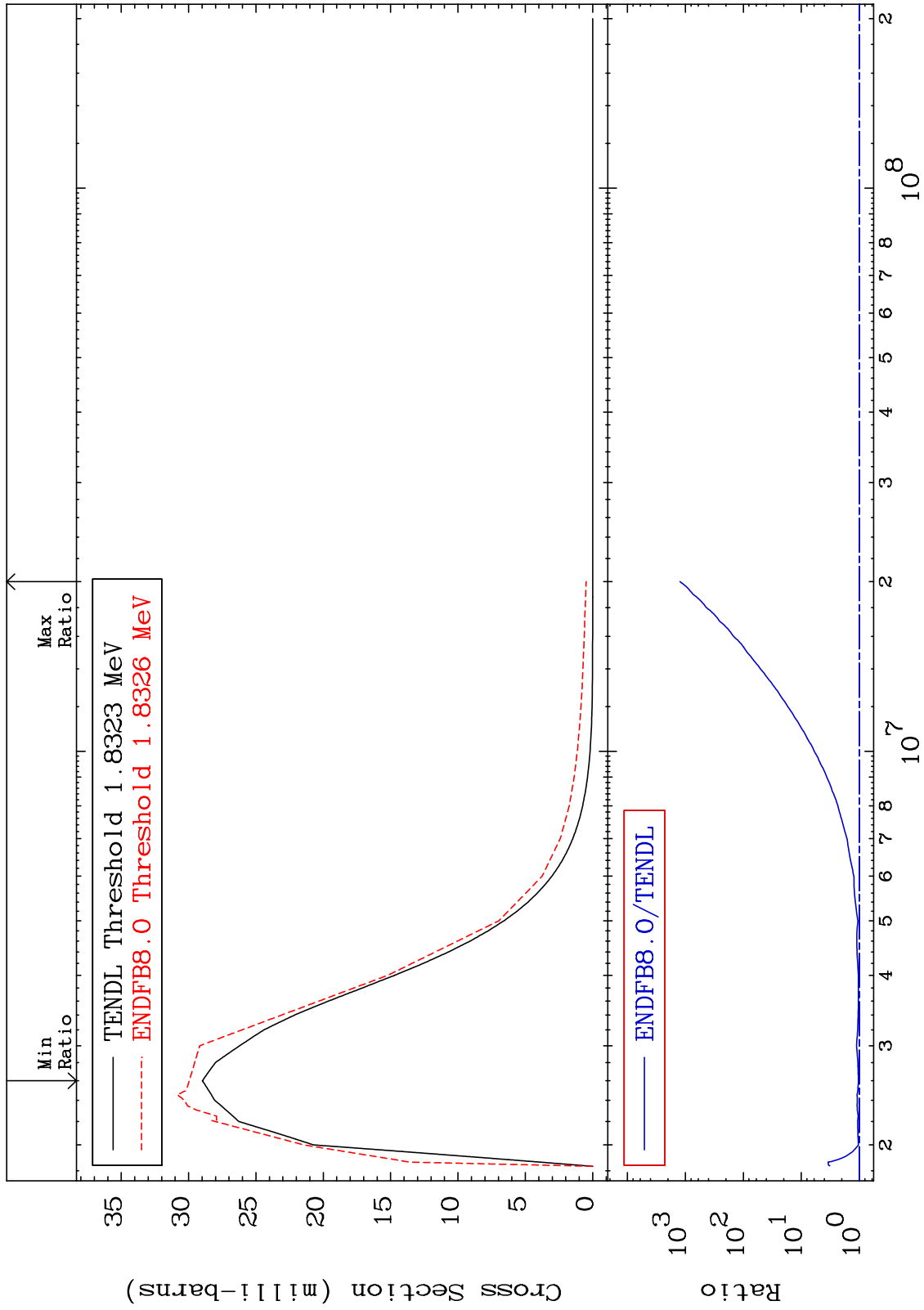
22-Ti-47
-100.0 To 71.62 %



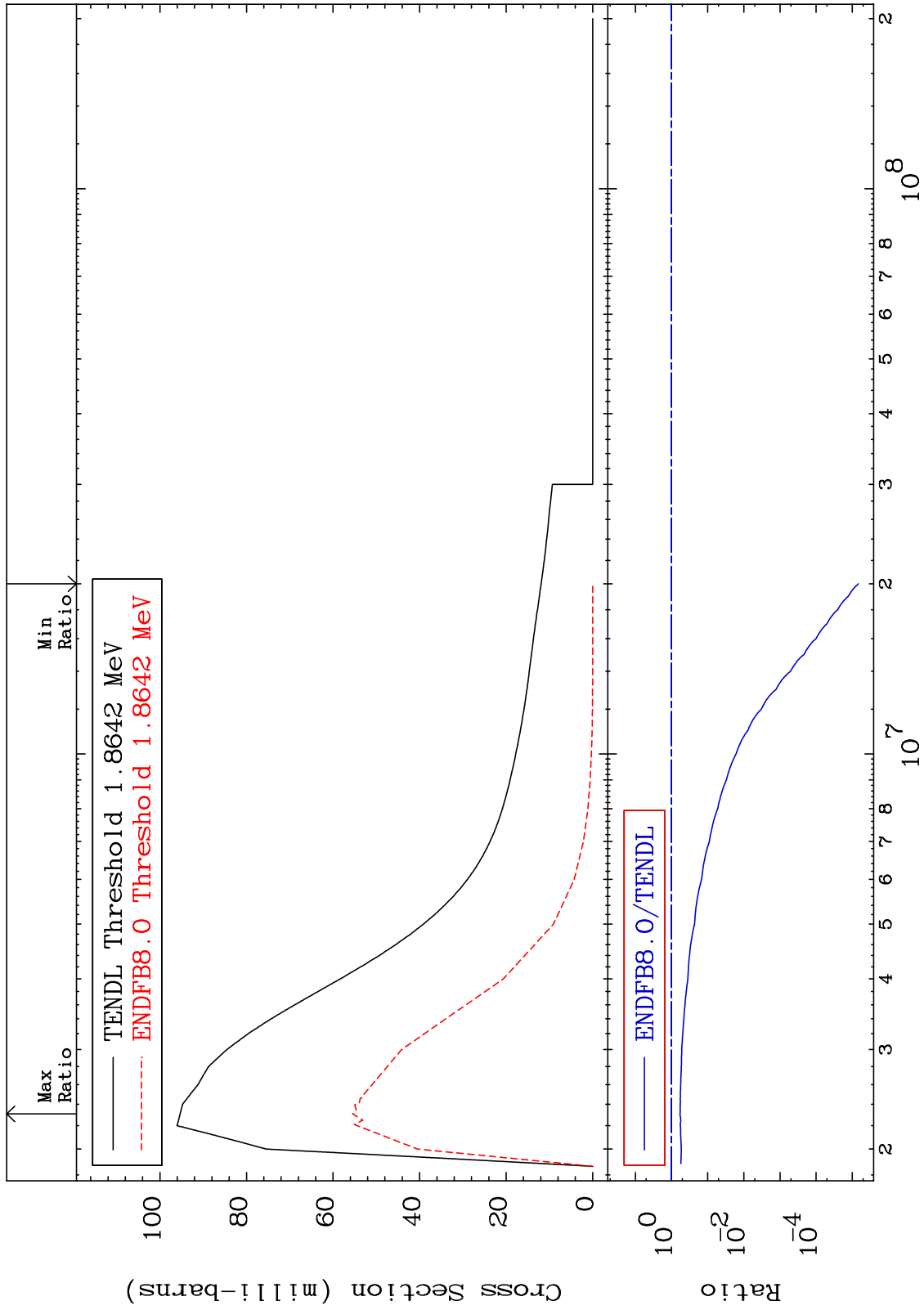
12

22-Ti-47

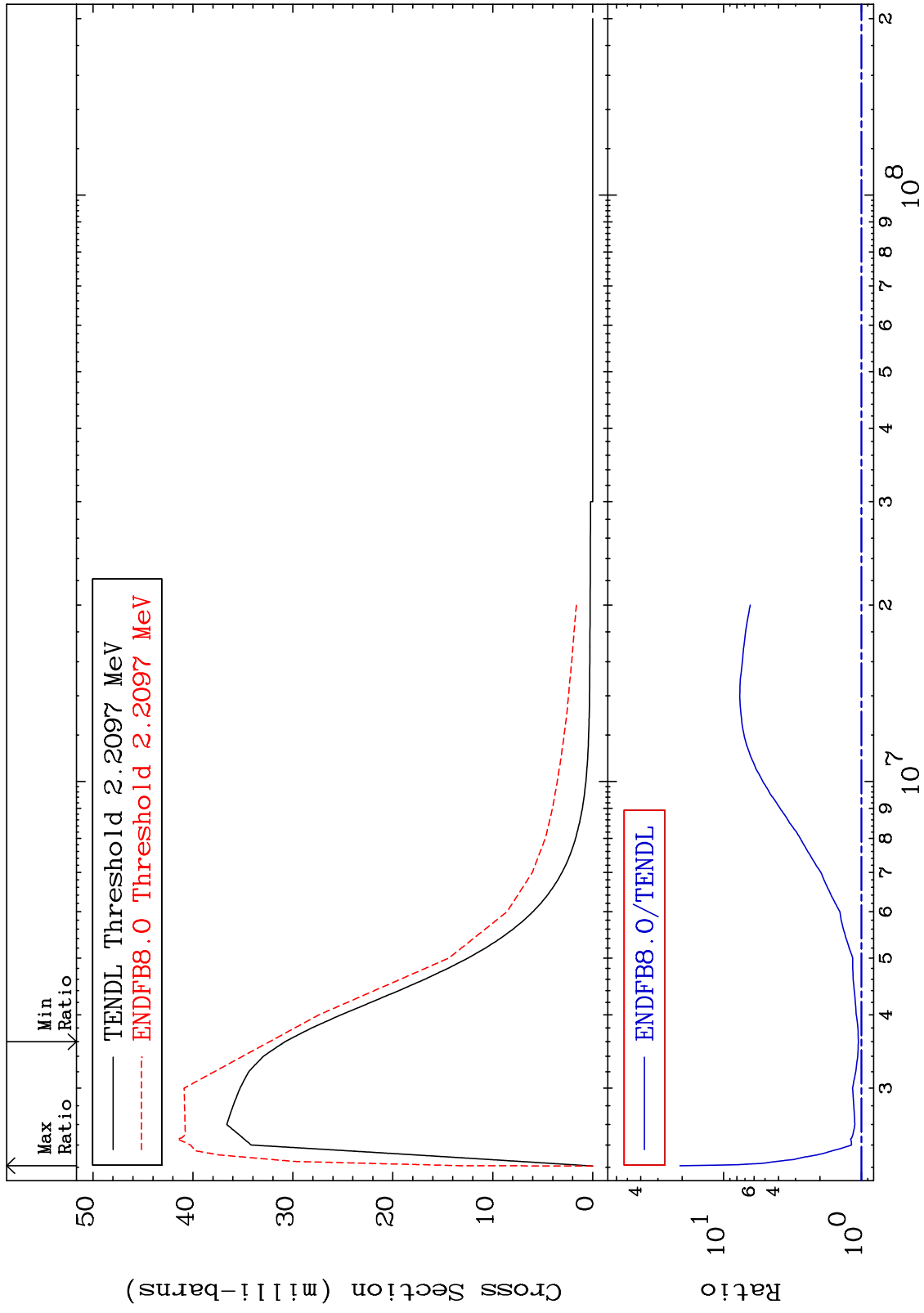
MAT 2228 MT= 57 (n,n') Level Cross Section 22-Ti-47
 3.371 To 9999. %



MAT 2228 MT= 58 (n,n') Level Cross Section 22-Ti-47
 -100.0 To -41.83%



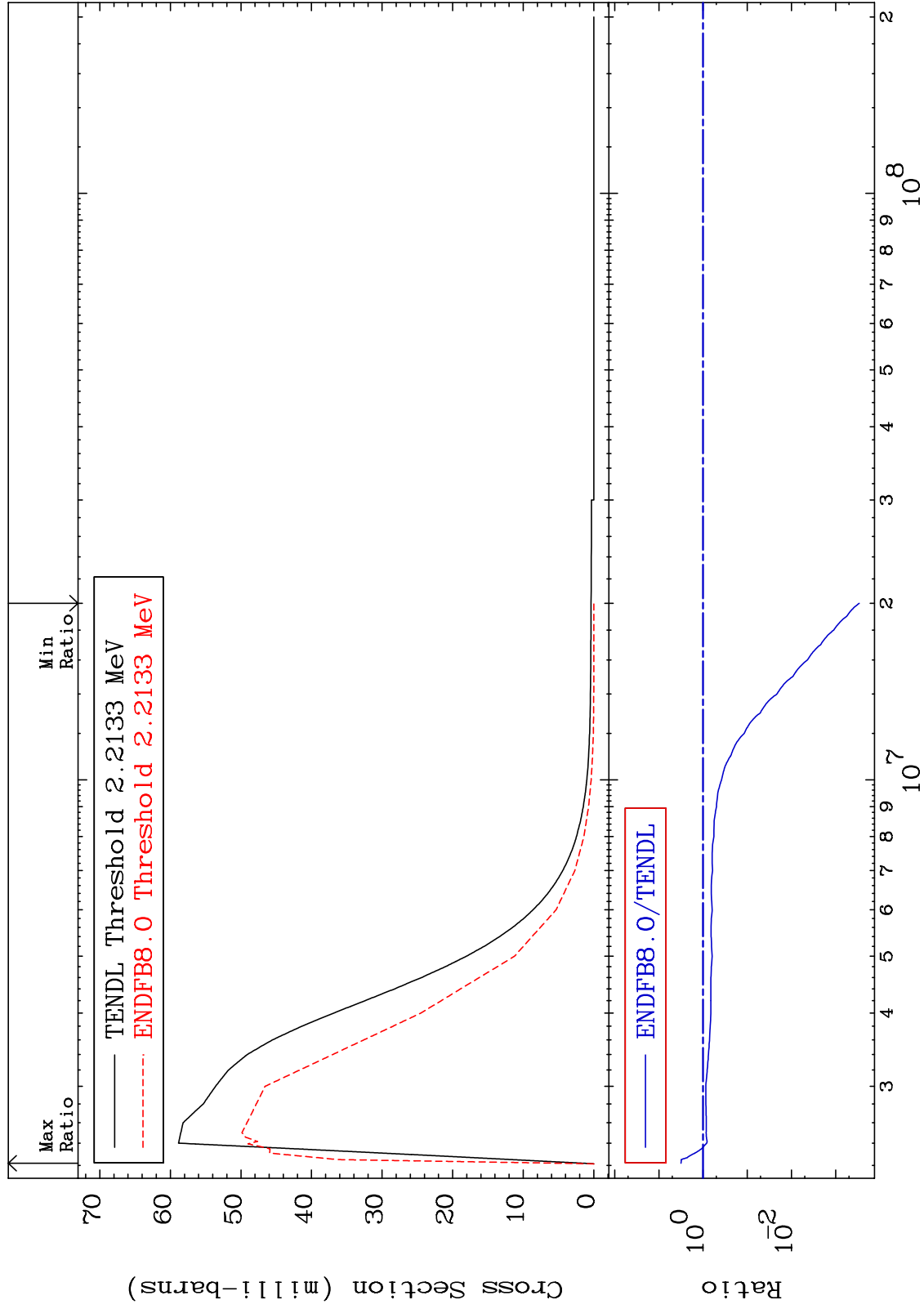
MAT 2228 MT= 59 (n,n') Level Cross Section 22-Ti-47 To 1973. %
5.041



MAT 2228

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

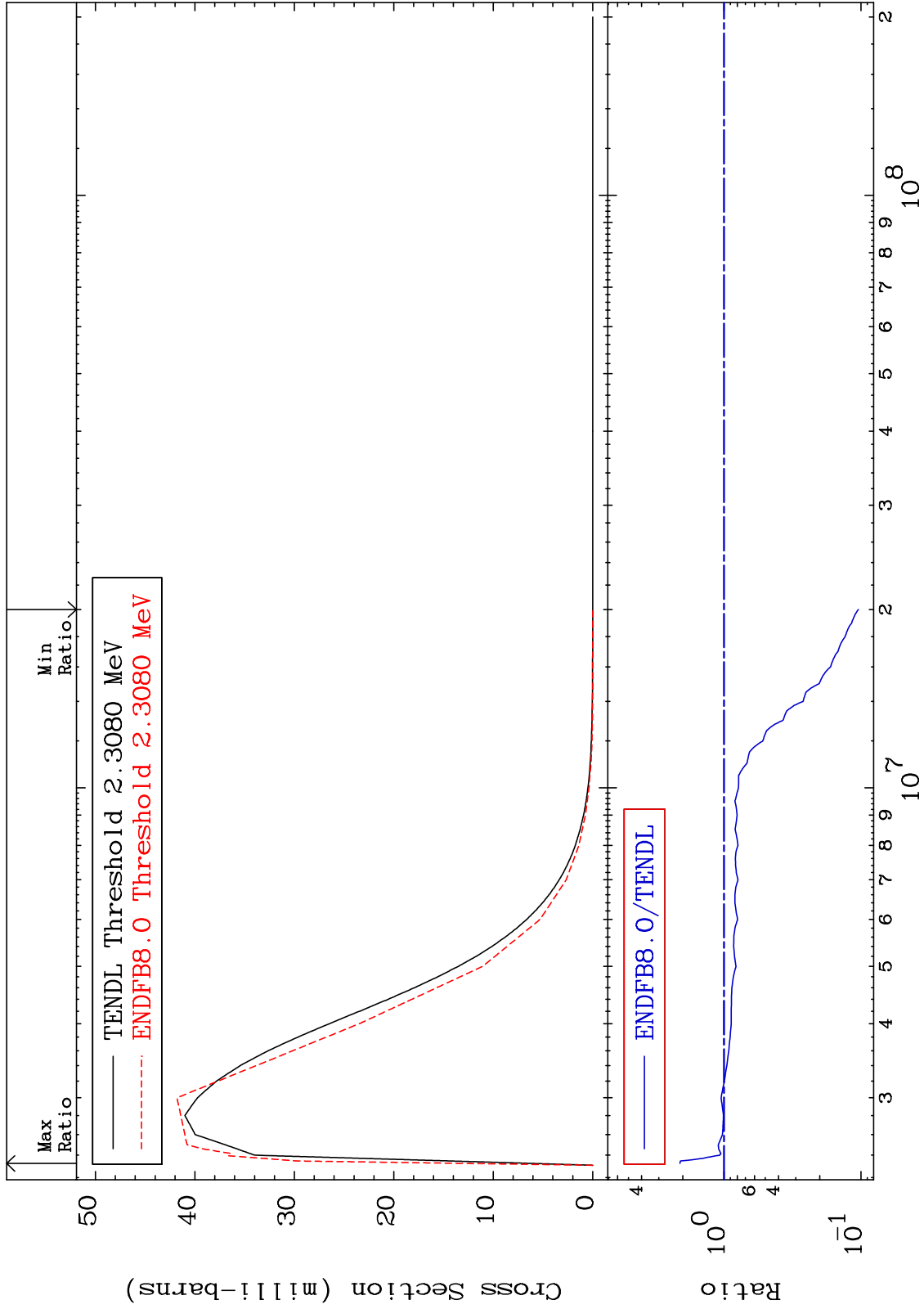
22-Ti-47
-99.97 To 214.9 %



MAT 2228

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

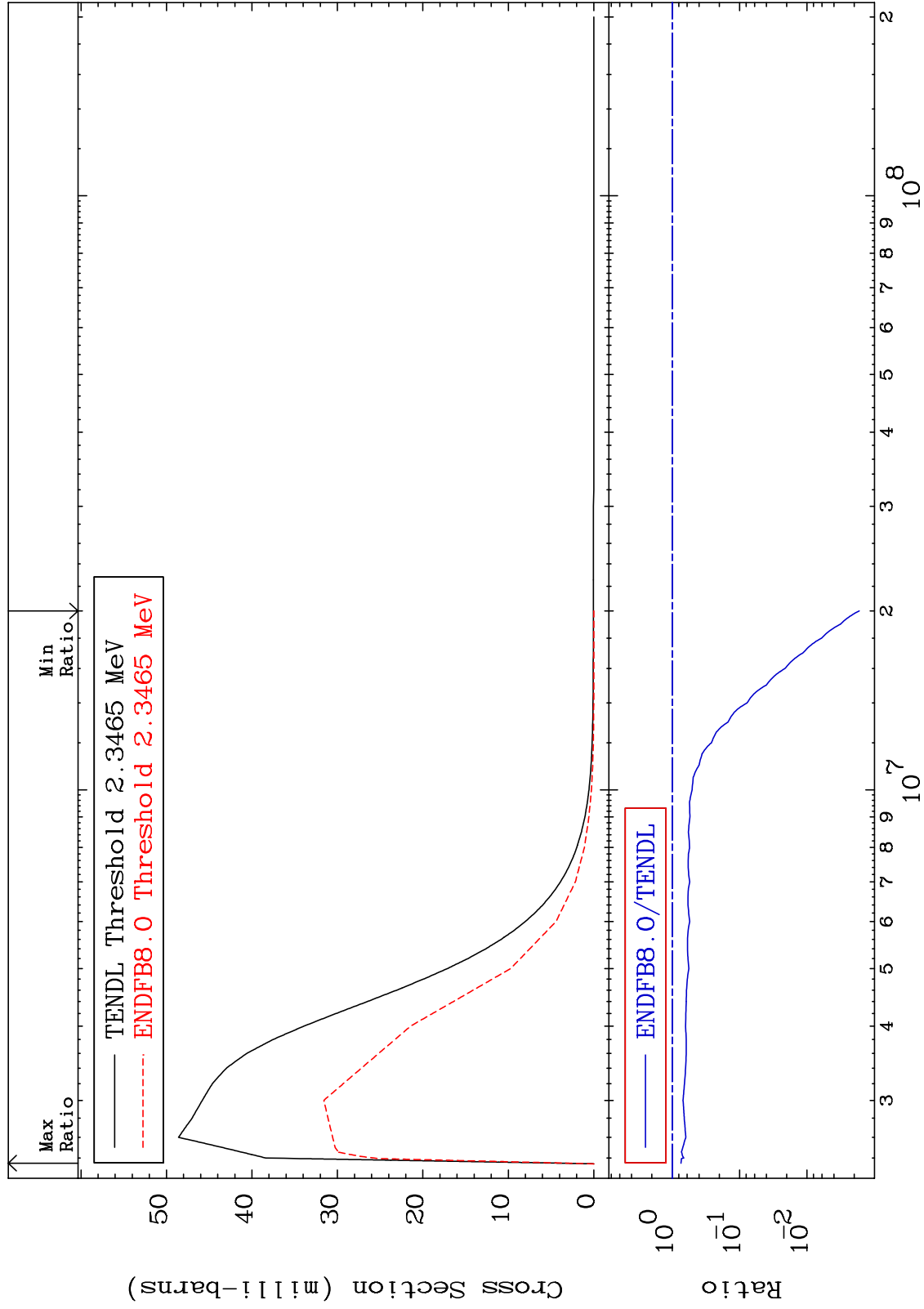
22-Ti-47
-89.56 To 109.8 %



MAT 2228

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

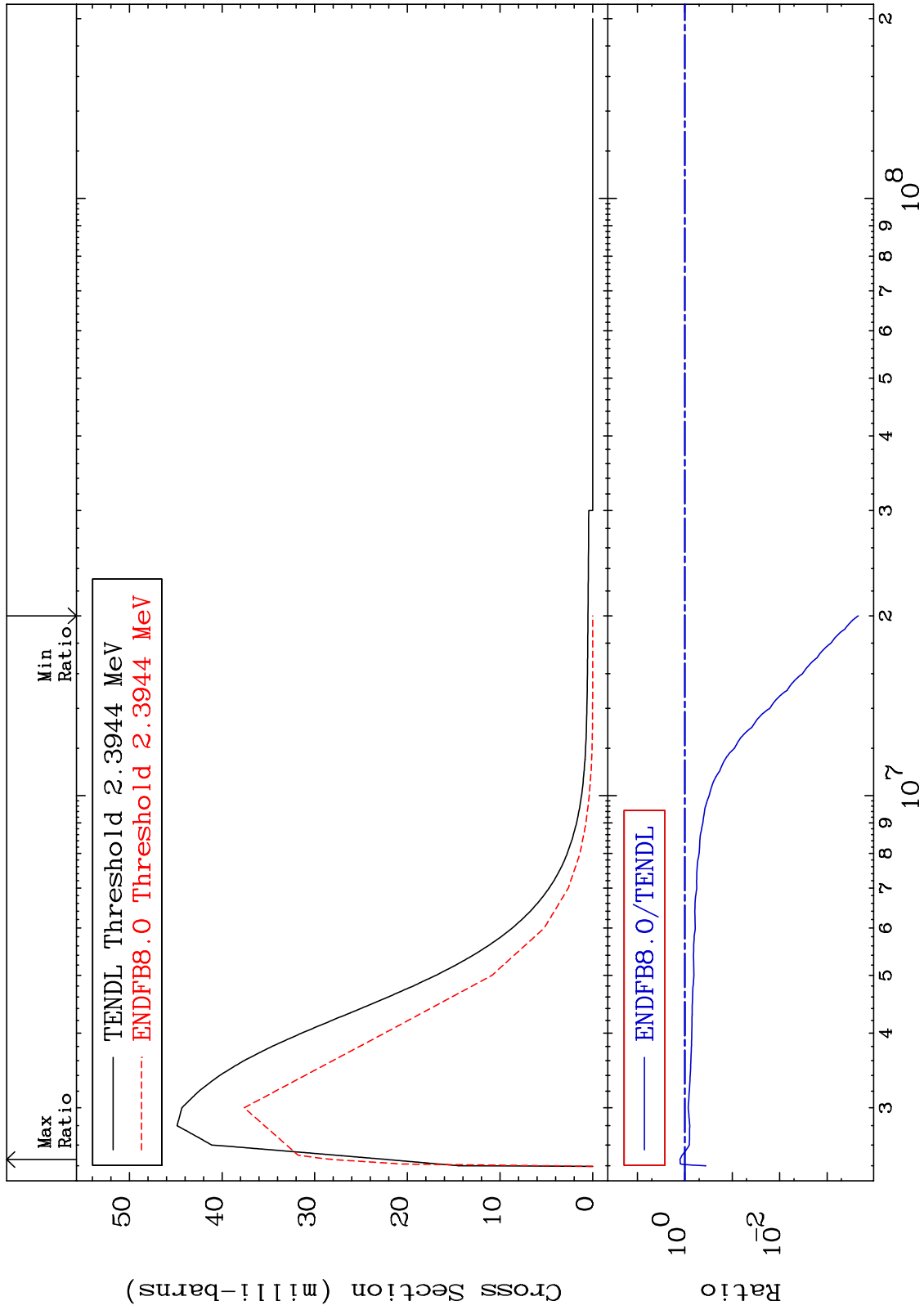
22-Ti-47
-99.83 To -26.17%



MAT 2228

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

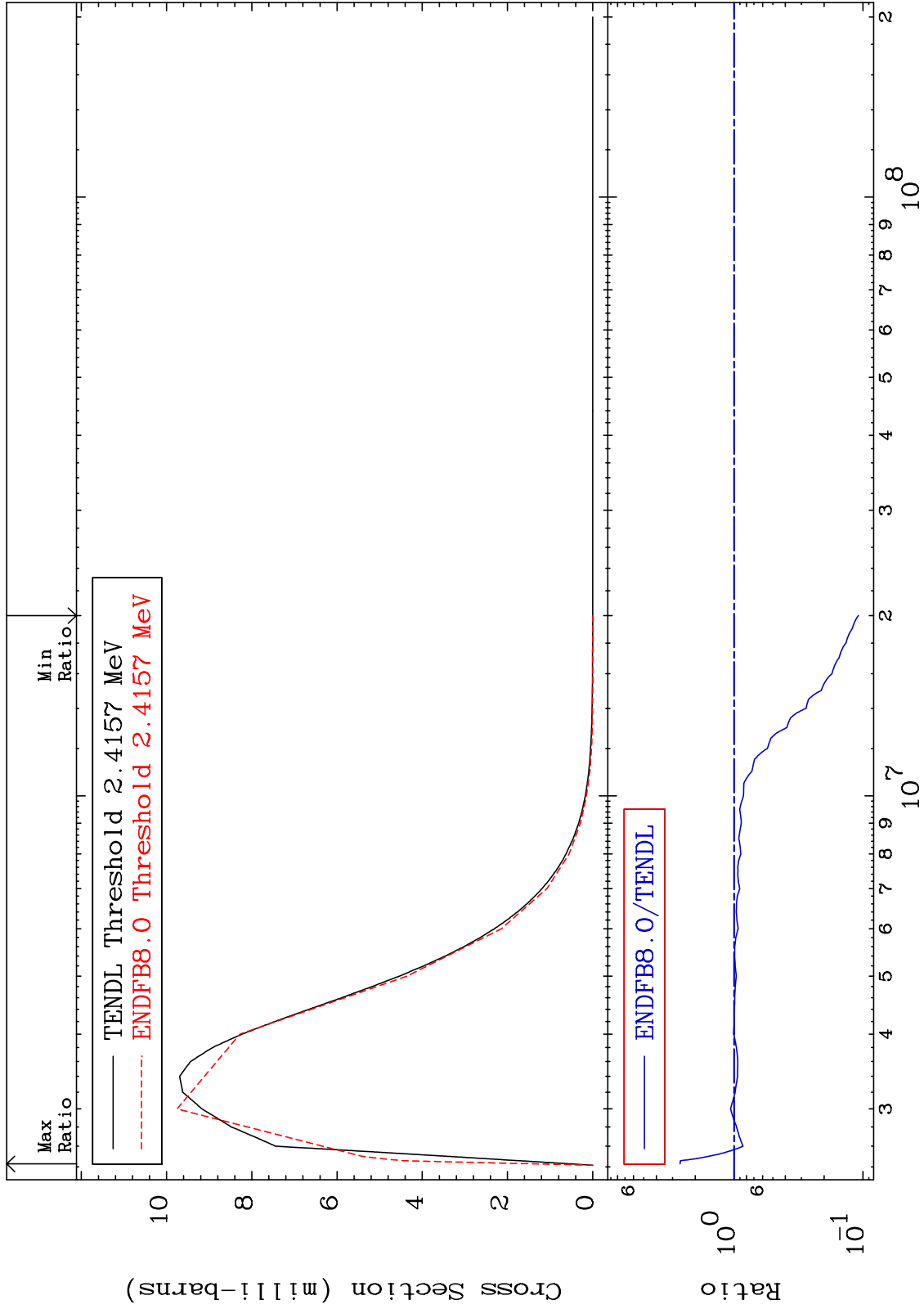
22-Ti-47
-99.98 To 26.48 %



MAT 2228

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

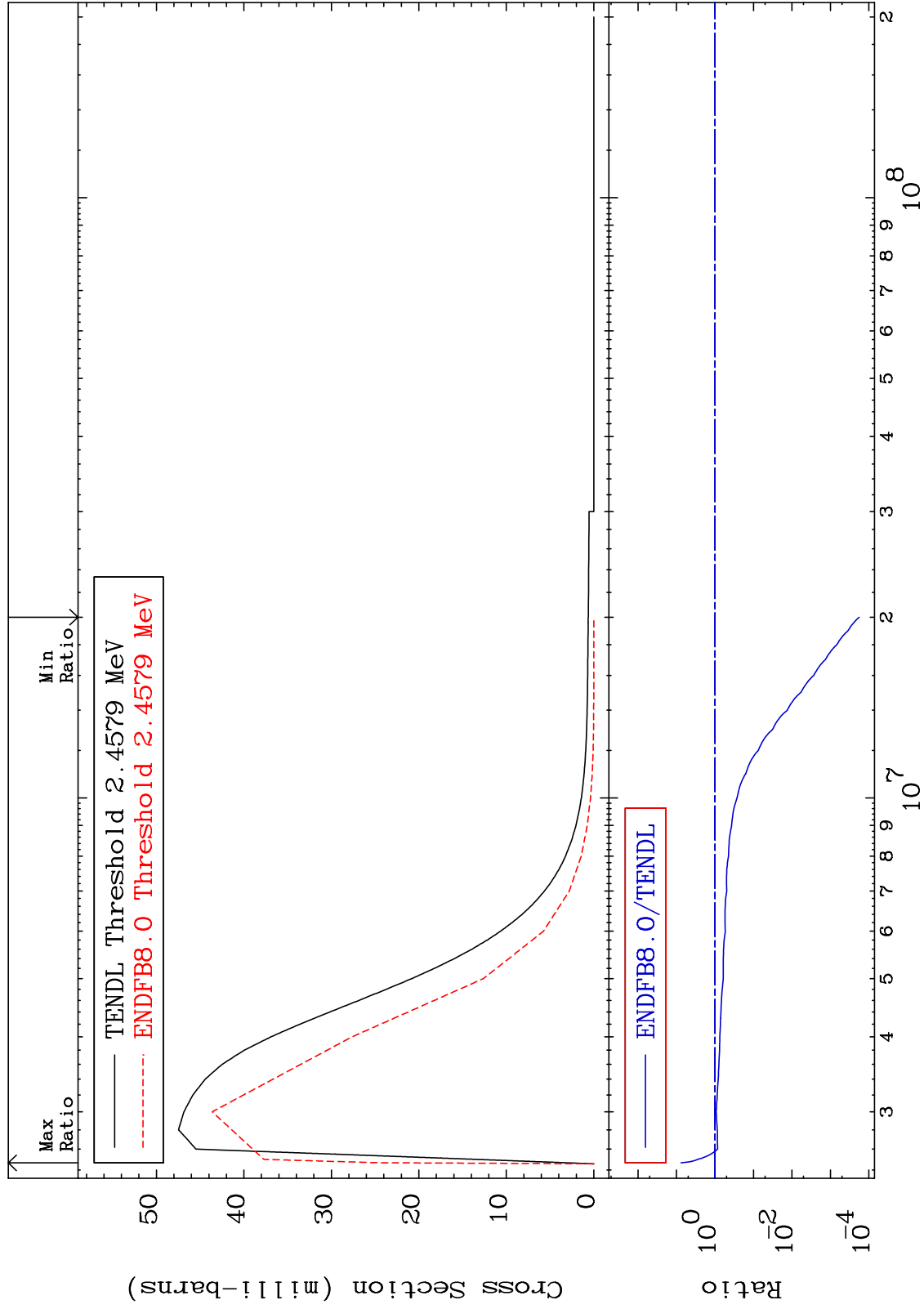
22-Ti-47
-89.14 To 162.0 %



MAT 2228

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

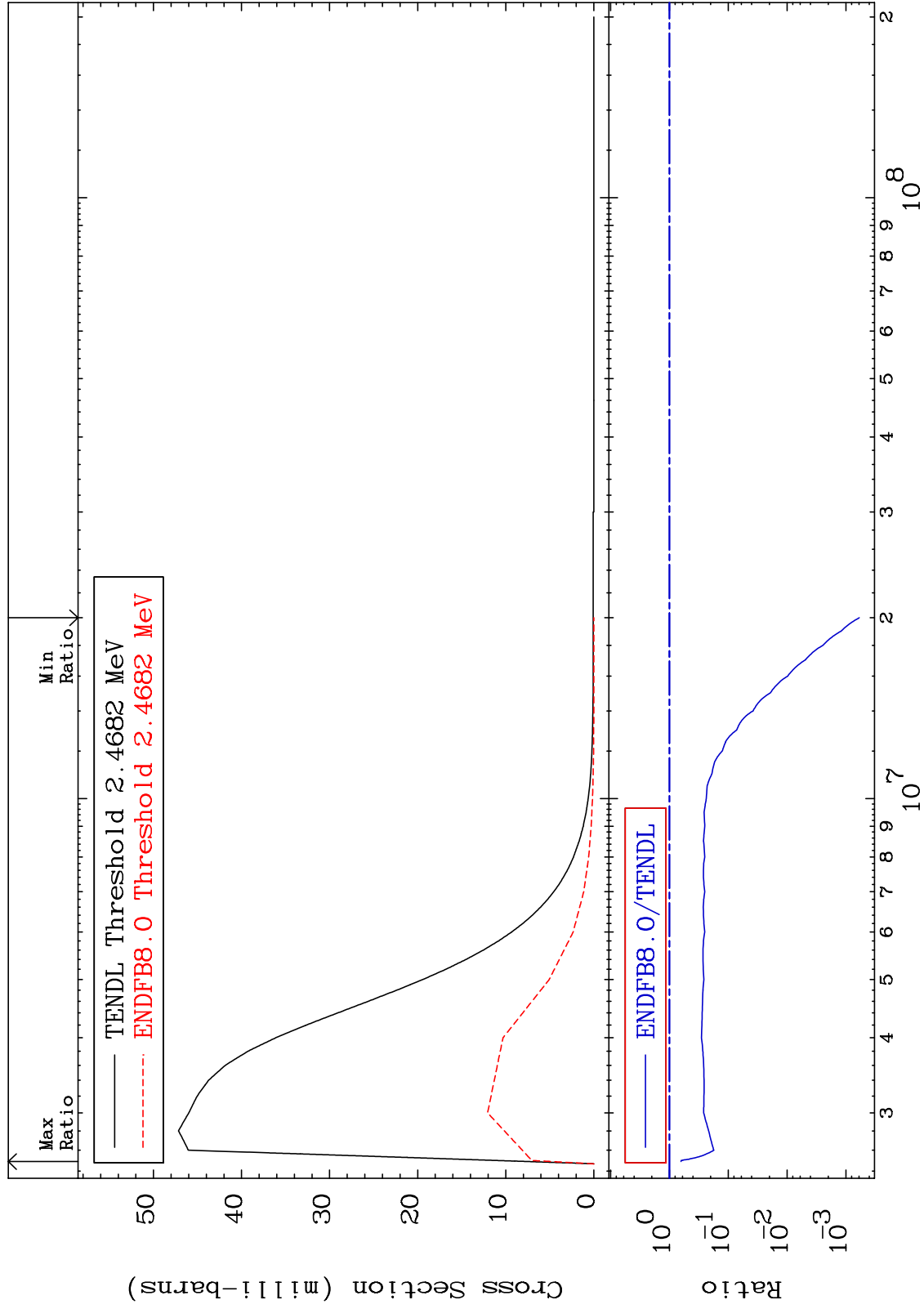
22-Ti-47
-99.98 To 661.5 %



MAT 2228

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

22-Ti-47
-99.94 To -36.49%



22

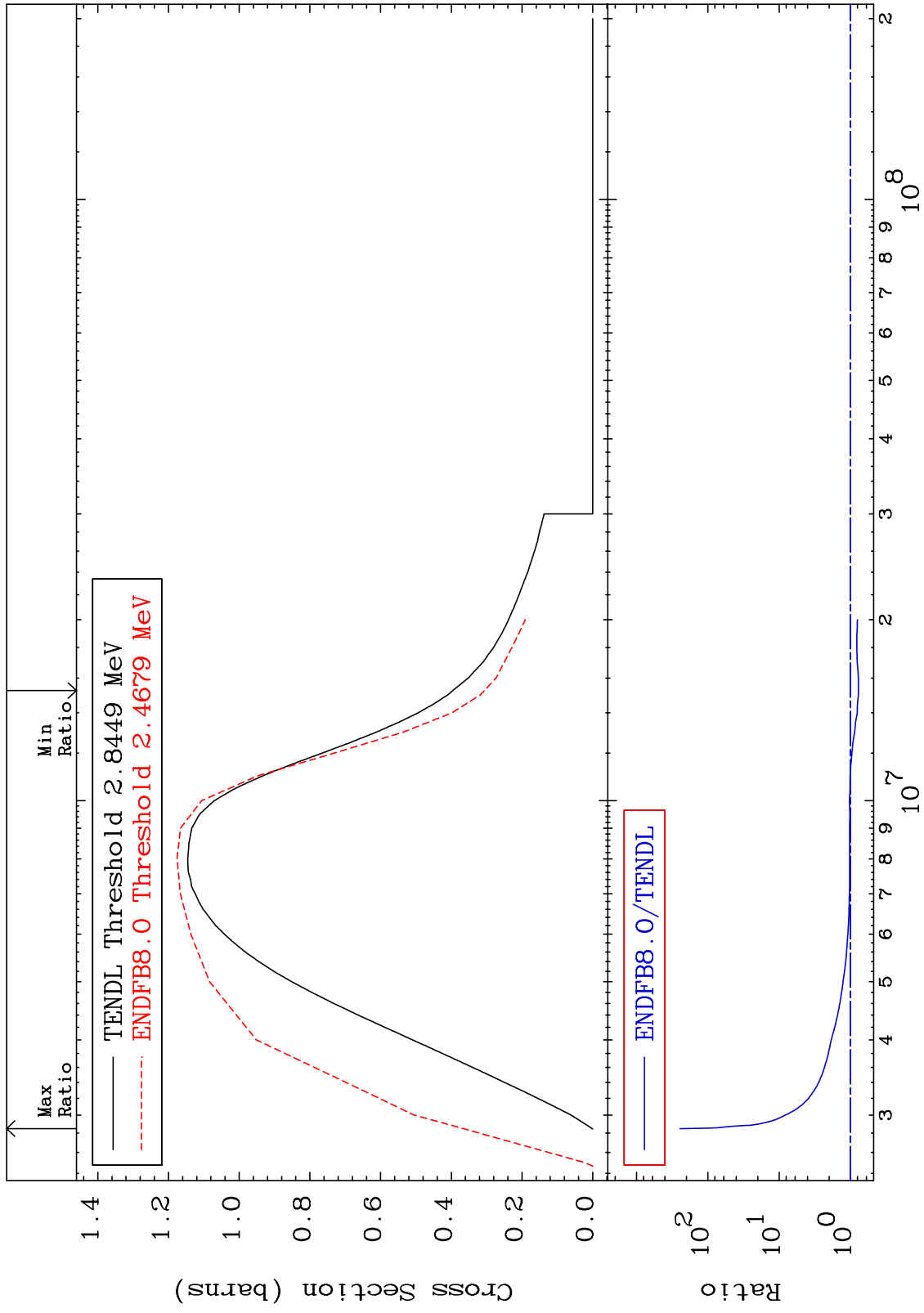
Incident Energy (eV)

22-Ti-47

MAT 2228

(n,n') Continuum
Cross Section

22-Ti-47
-22.51 To 9999. %



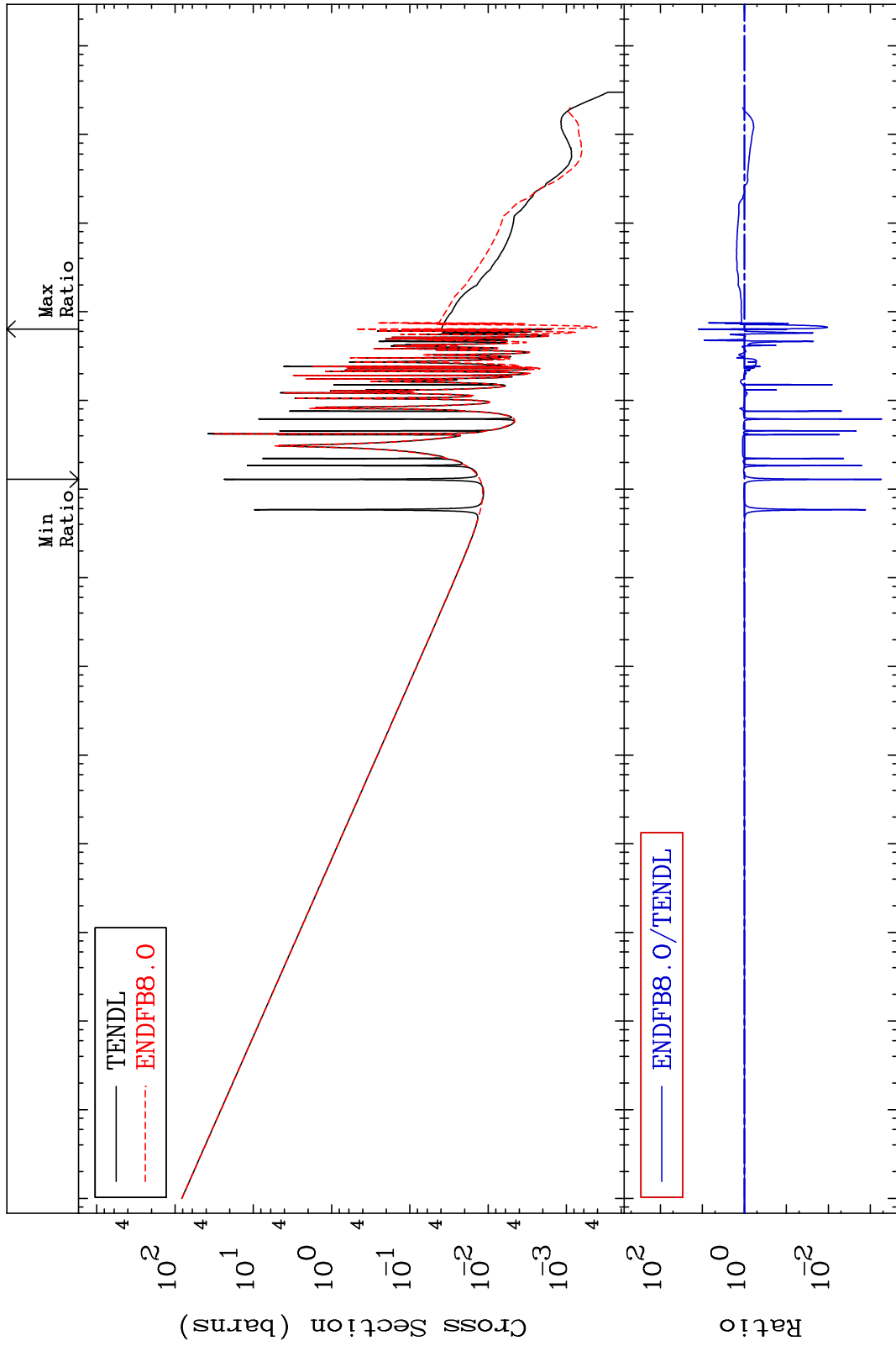
MAT 2228

(n, γ)

22-Ti-47

Cross Section

-99.95 To 1146. %



Min Ratio

Max Ratio

TENDL

ENDFB8.0

ENDFB8.0/TENDL

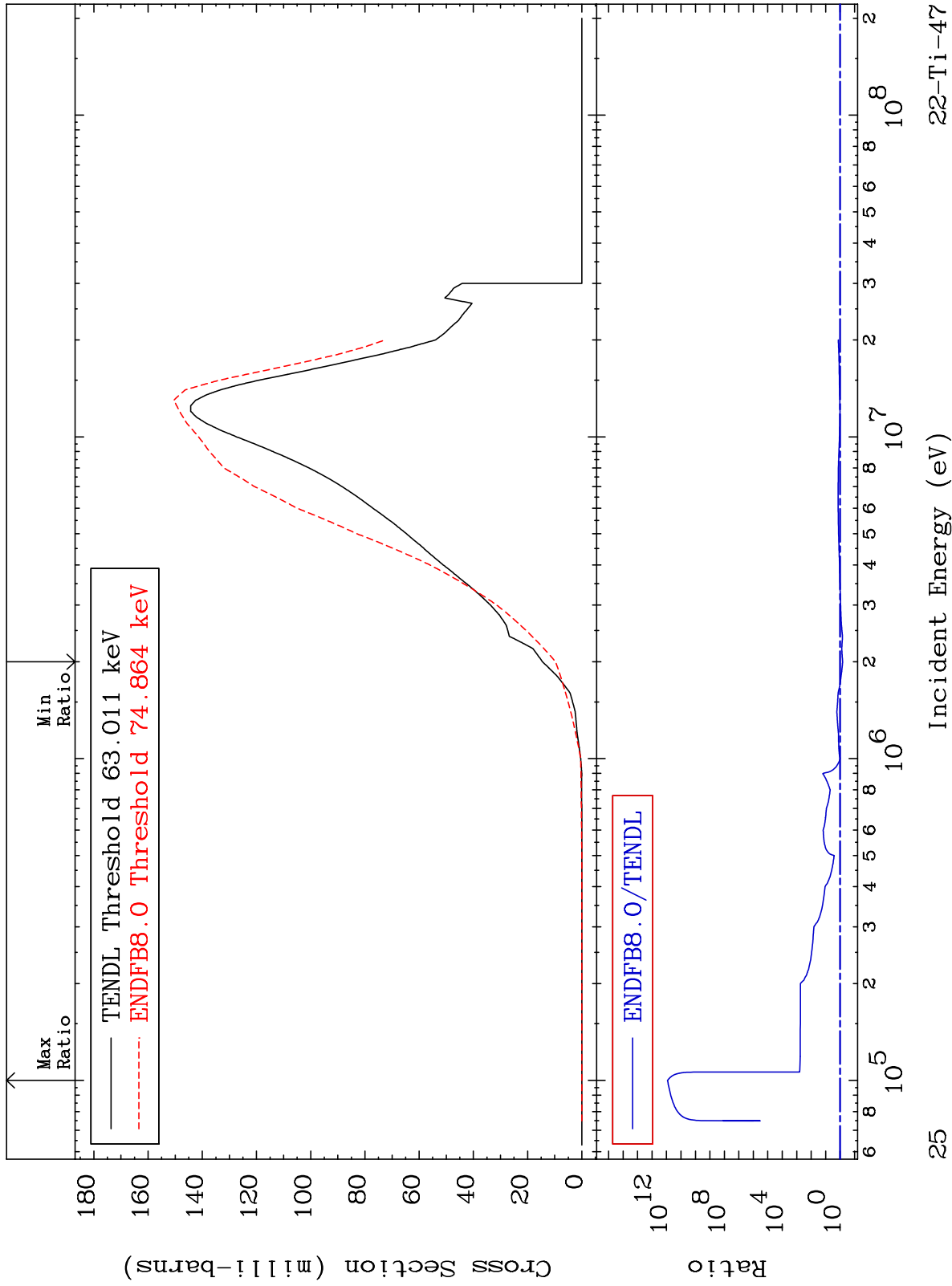
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

10² 10¹ 10⁰ 10⁻¹ 10⁻²

Incident Energy (eV)

22-Ti-47

MAT 2228 (n,p) Cross Section 22-Ti-47 -33.23 To 9999. %



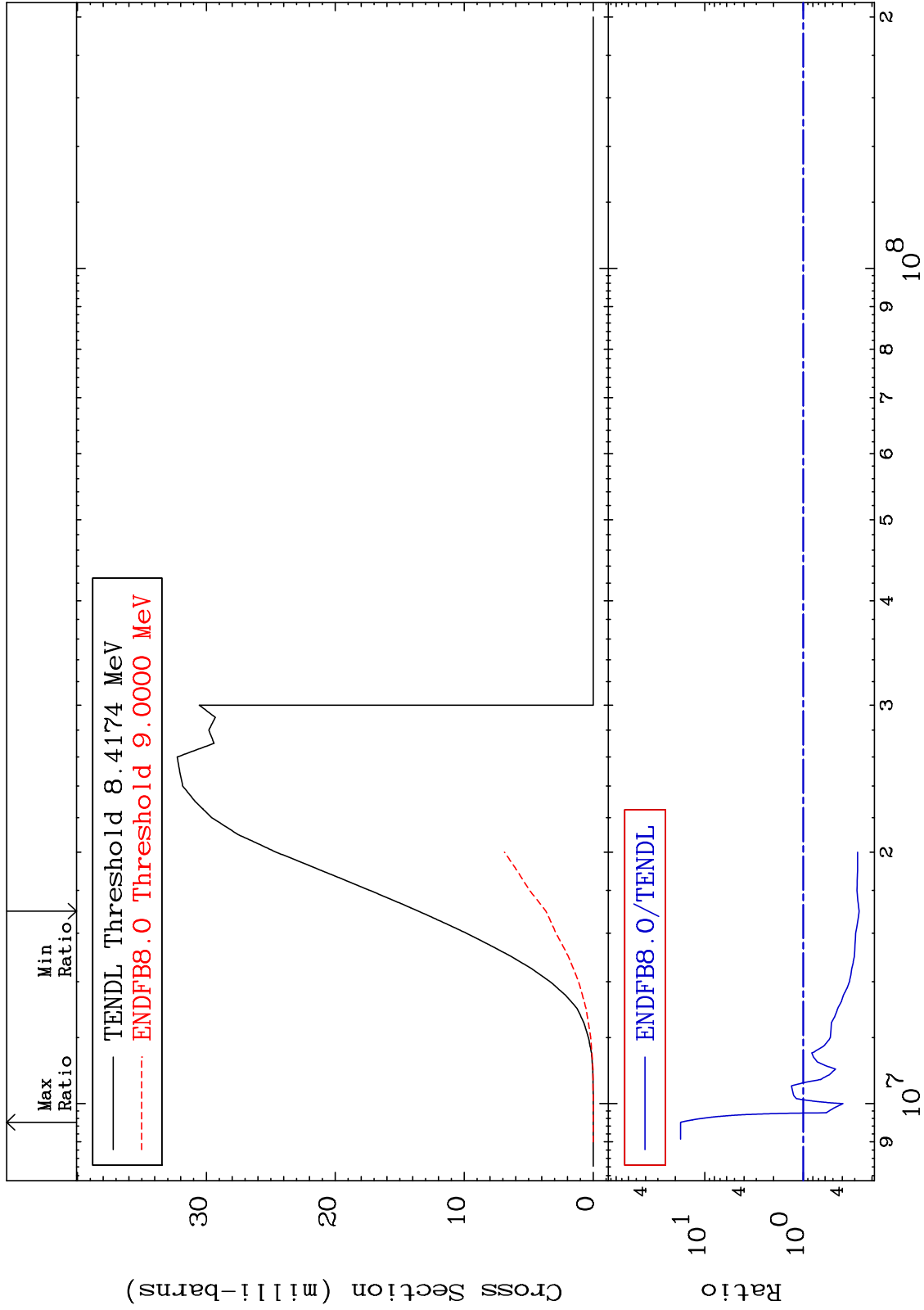
MAT 2228

(n,d)

22-Ti-47

Cross Section

-72.98 To 1665. %



26

Incident Energy (eV)

22-Ti-47

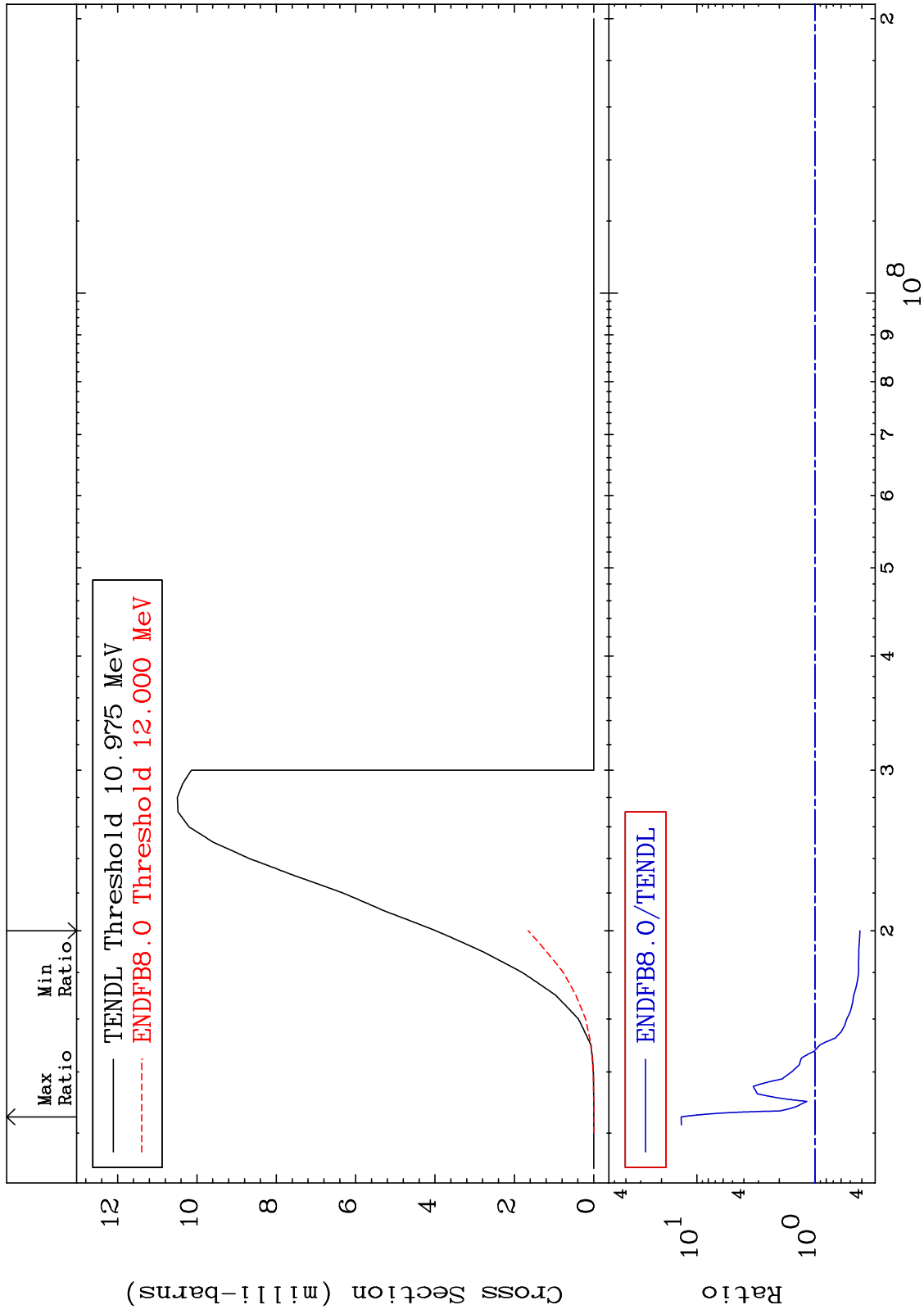
MAT 2228

(n, t)

22-Ti-47

Cross Section

-58.52 To 1259. %



22-Ti-47

Incident Energy (eV)

27

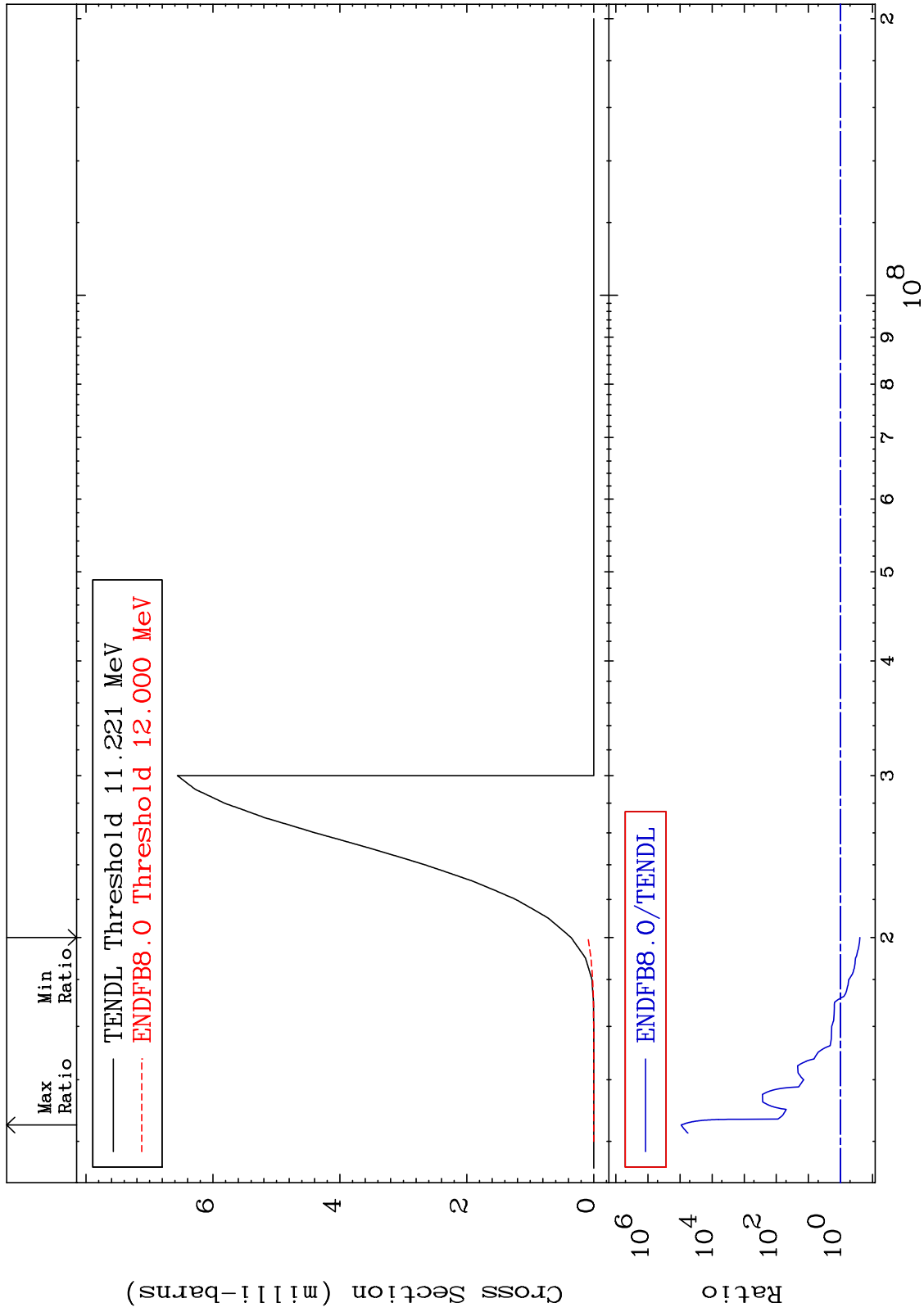
MAT 2228

(n, He-3)

22-Ti-47

Cross Section

-75.21 To 9999. %



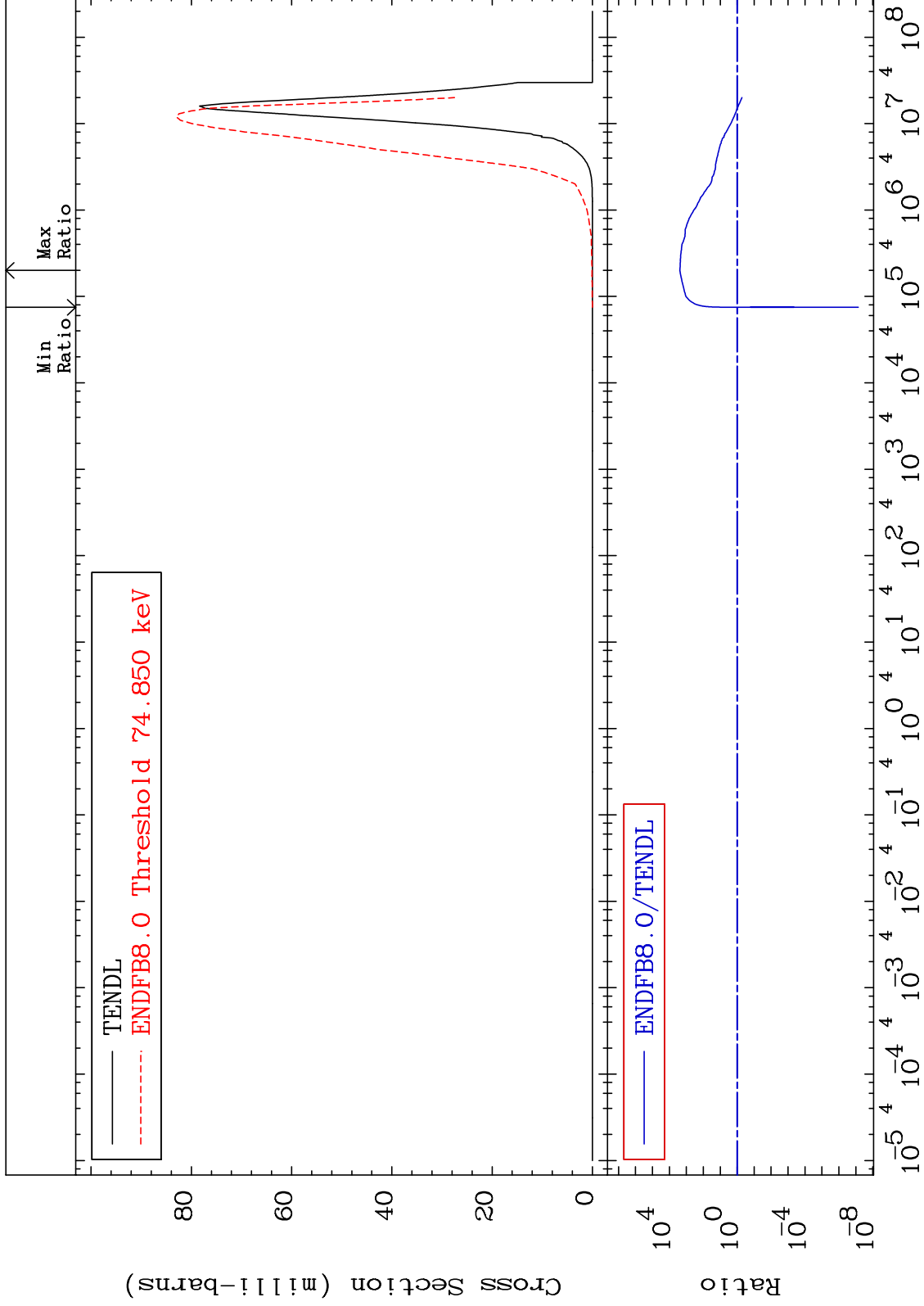
MAT 2228

(n, α)

22-Ti-47

Cross Section

-100.0 To 9999. %



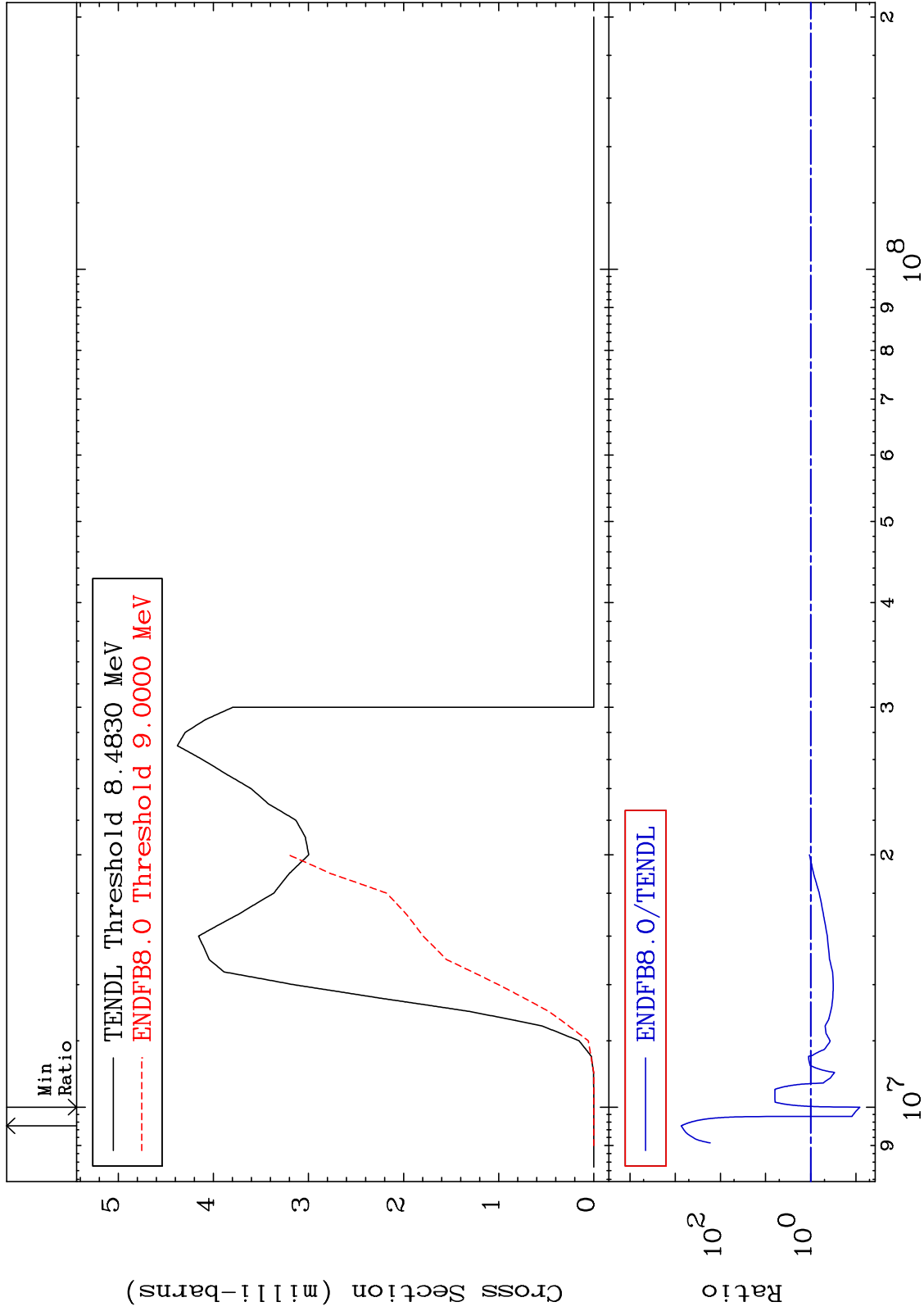
MAT 2228

(n,2p)

22-Ti-47

Cross Section

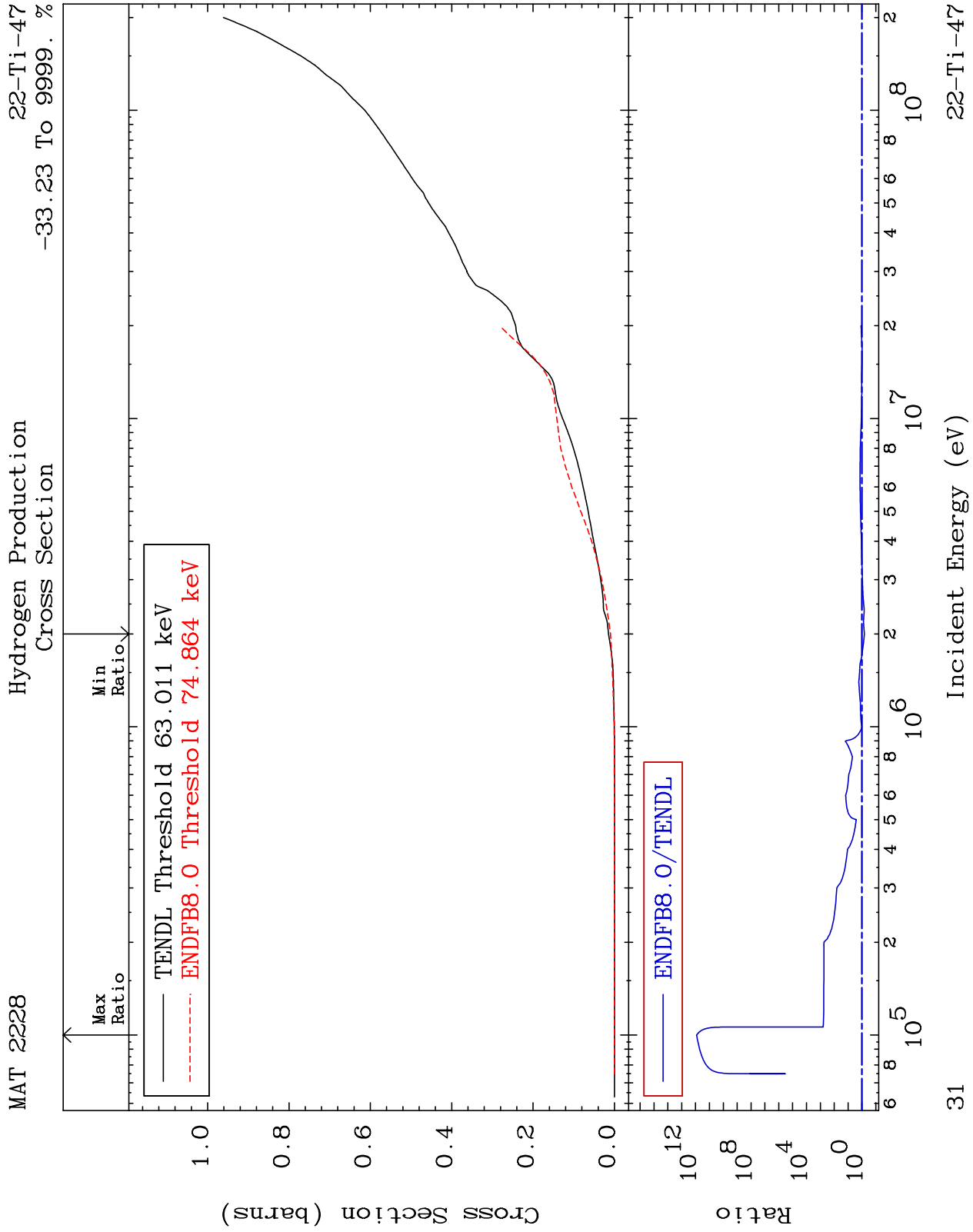
-91.83 To 9999. %



30

Incident Energy (eV)

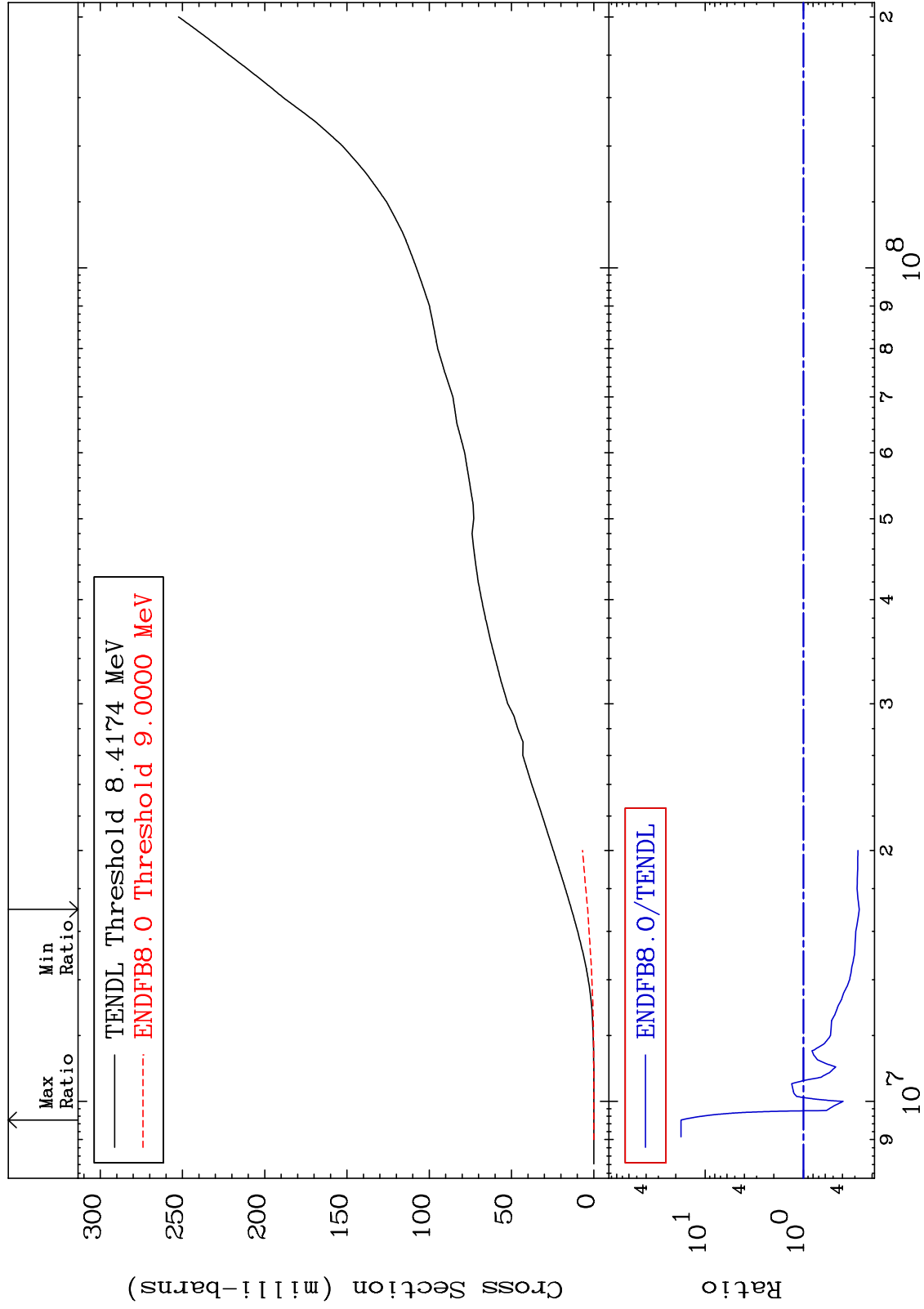
22-Ti-47



MAT 2228

Deuterium Production
Cross Section

²²Ti-47
-72.98 To 1665. %



32

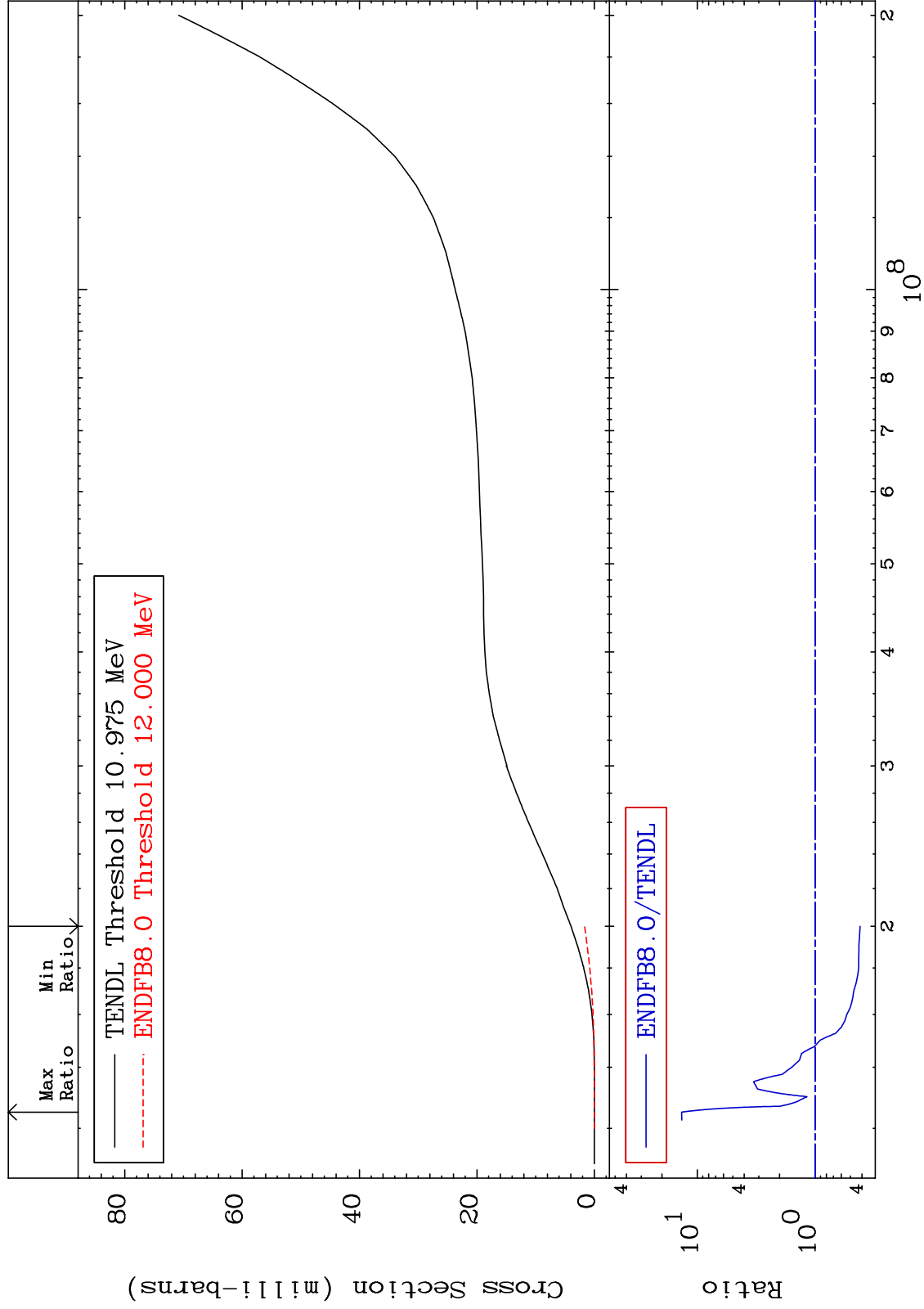
Incident Energy (eV)

²²Ti-47

MAT 2228

Tritium Production
Cross Section

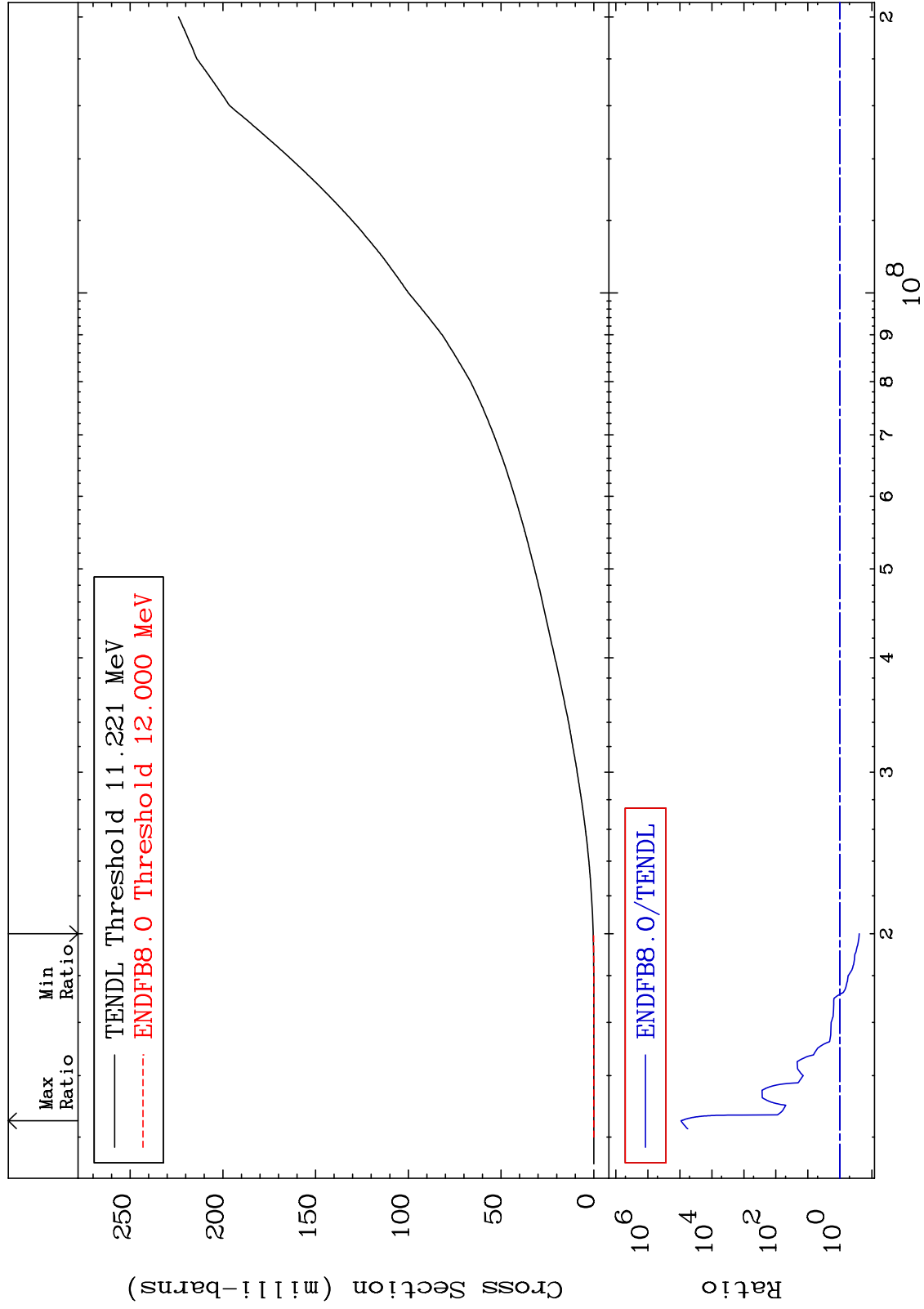
22-Ti-47
-58.52 To 1259. %



MAT 2228

He-3 Production
Cross Section

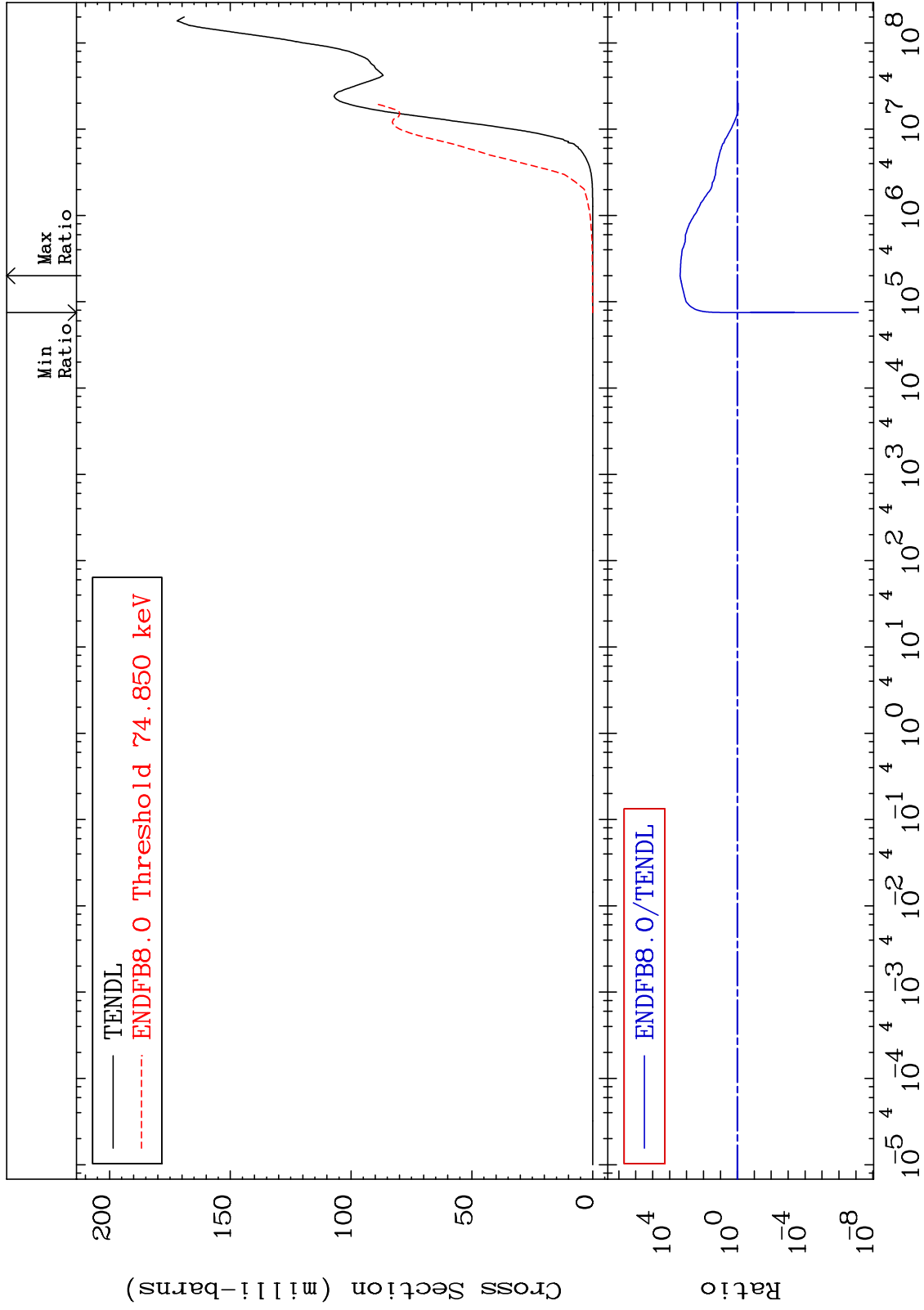
22-Ti-47
-75.21 To 9999. %



MAT 2228

He-4 Production
Cross Section

22-Ti-47
-100.0 To 9999. %



35

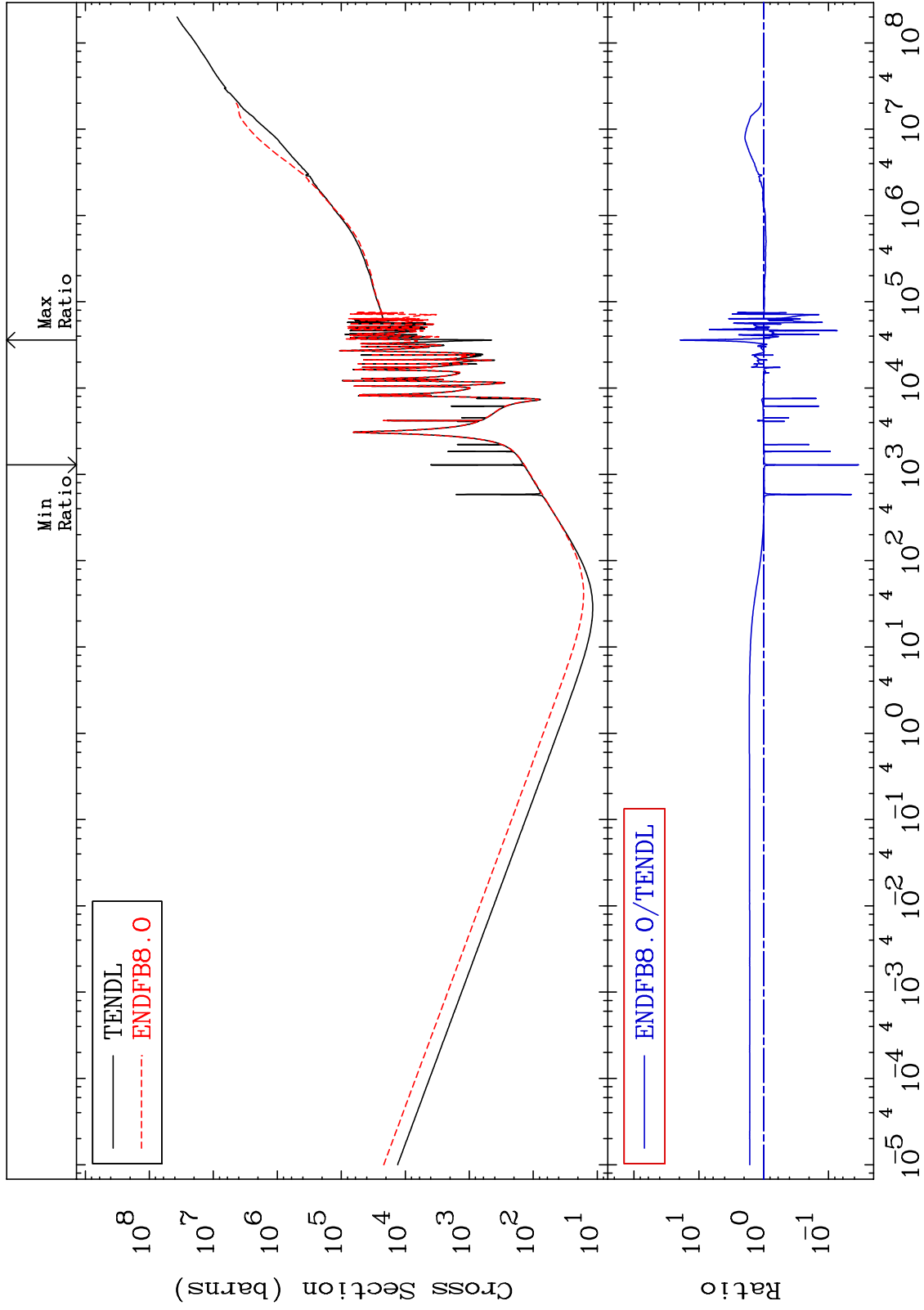
Incident Energy (eV)

22-Ti-47

MAT 2228

Kerma total (eV-barns)
Cross Section

22-Ti-47
-96.53 To 1849. %



36

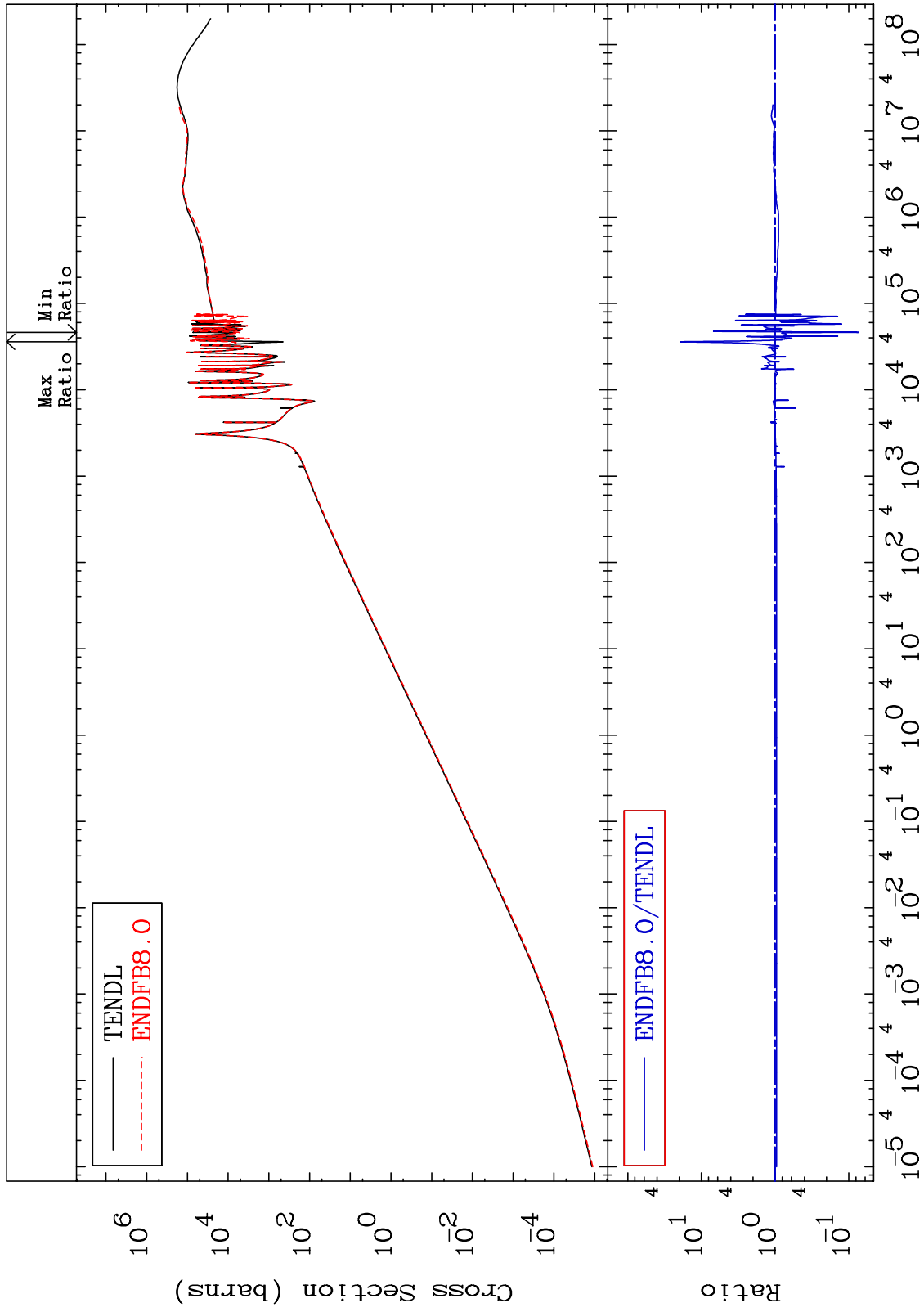
Incident Energy (eV)

22-Ti-47

MAT 2228

Kerma elastic
Cross Section

22-Ti-47
-92.60 To 1853. %



37

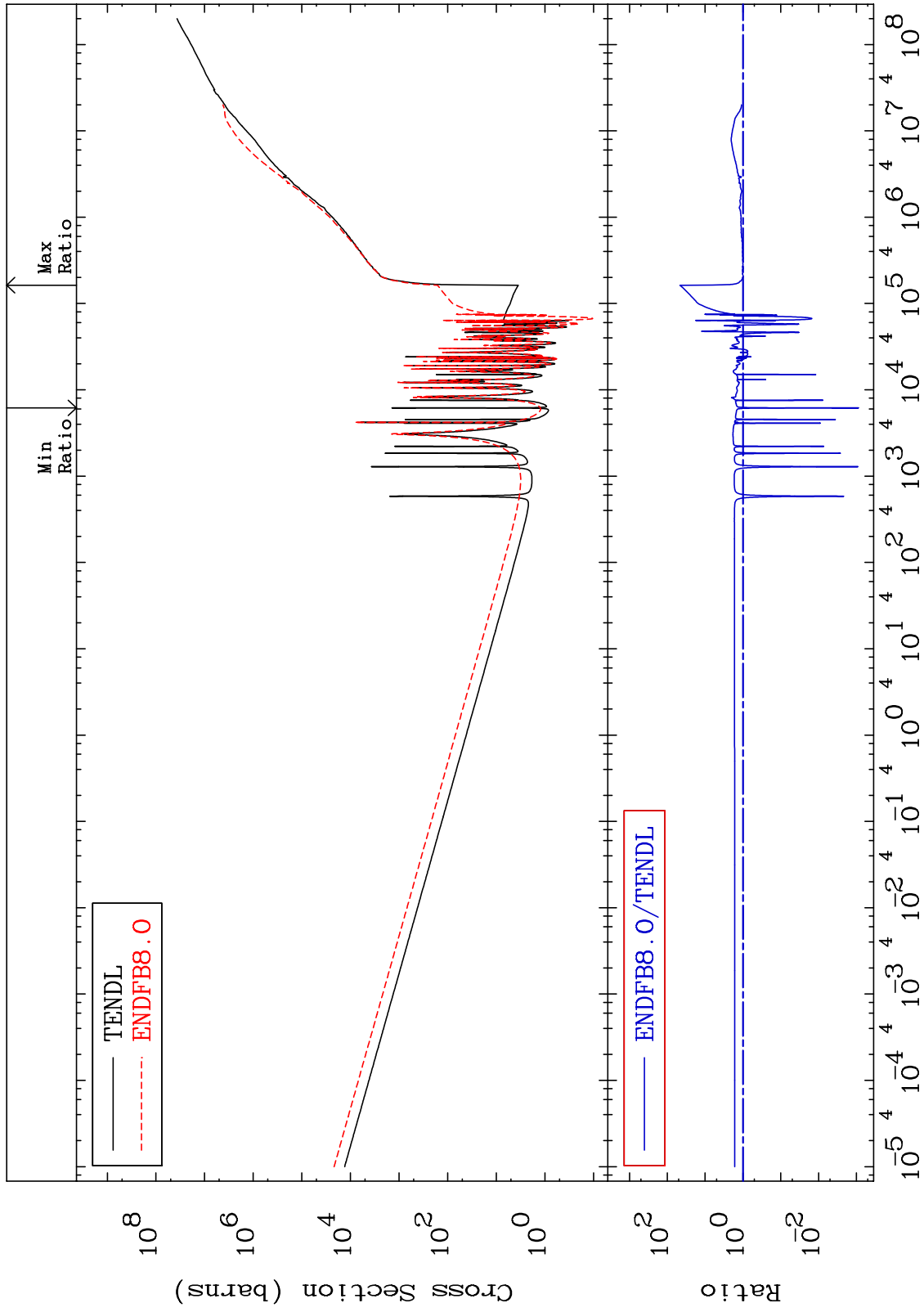
Incident Energy (eV)

22-Ti-47

MAT 2228

Kerma non-elastic (all but mt2)
Cross Section

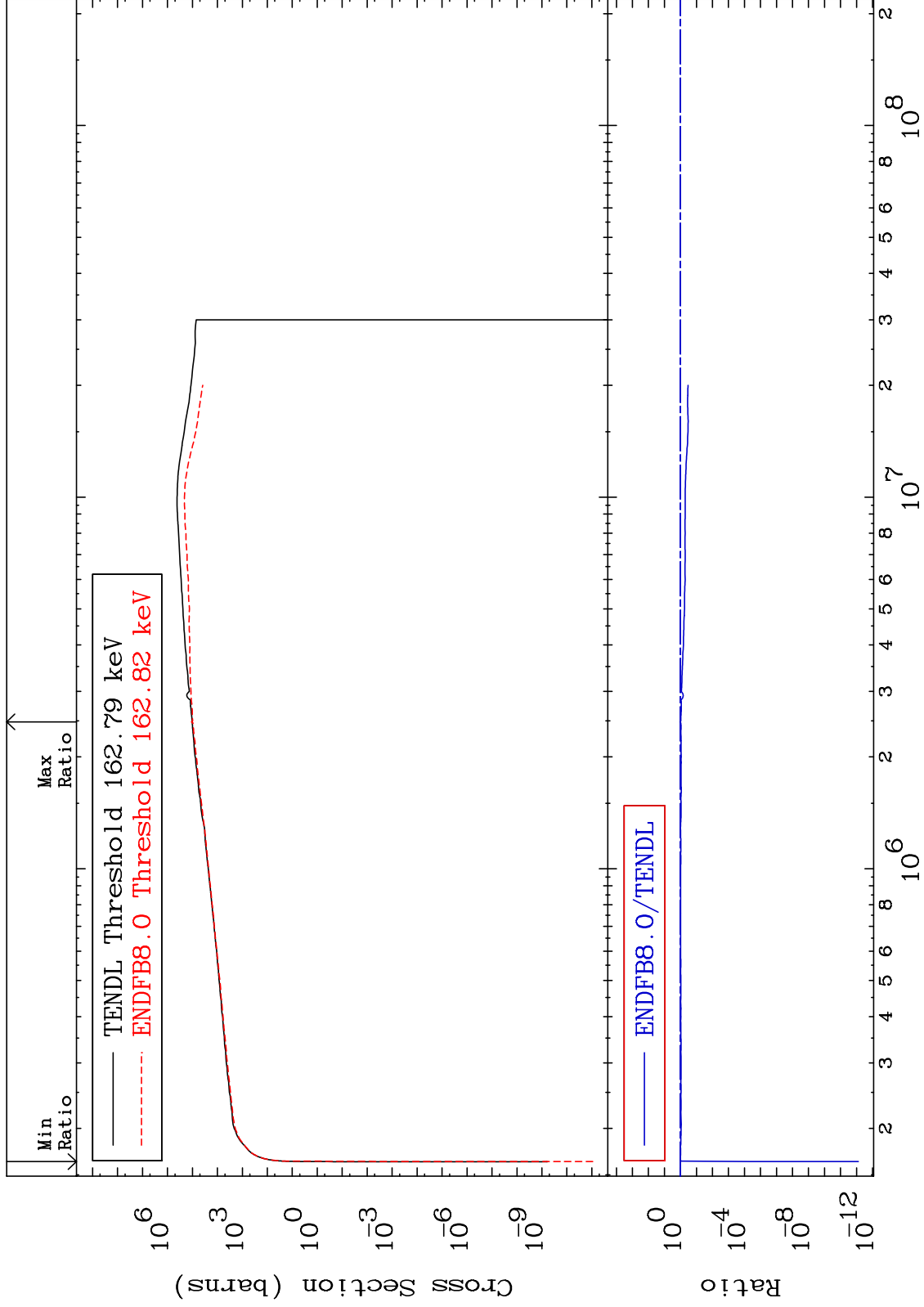
22-Ti-47
-99.91 To 4513. %



MAT 2228

Kerma inelastic (mt51-91)
Cross Section

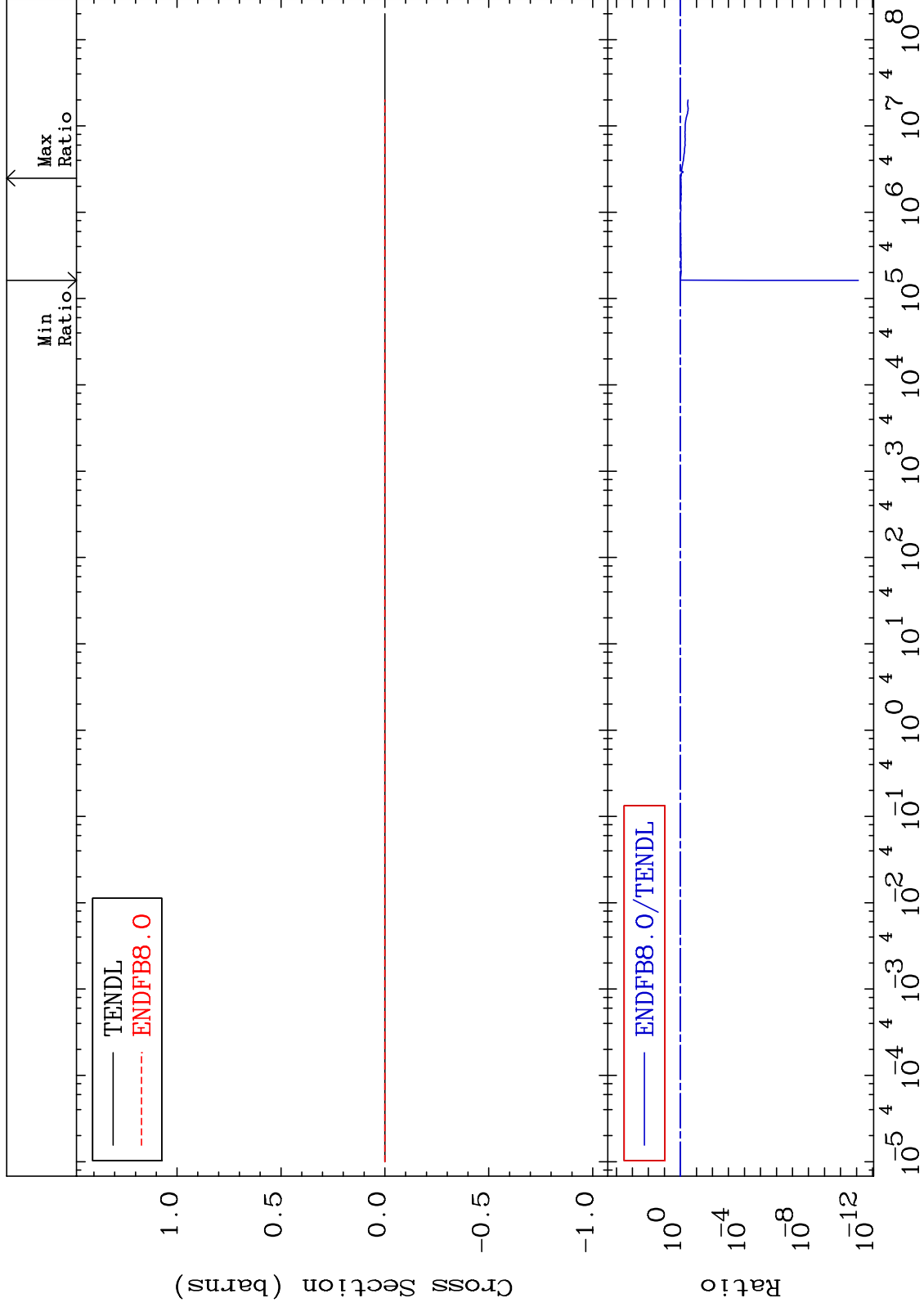
22-Ti-47
-100.0 To 6.128 %



MAT 2228

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

22-Ti-47
-100.0 To 6.128 %



40

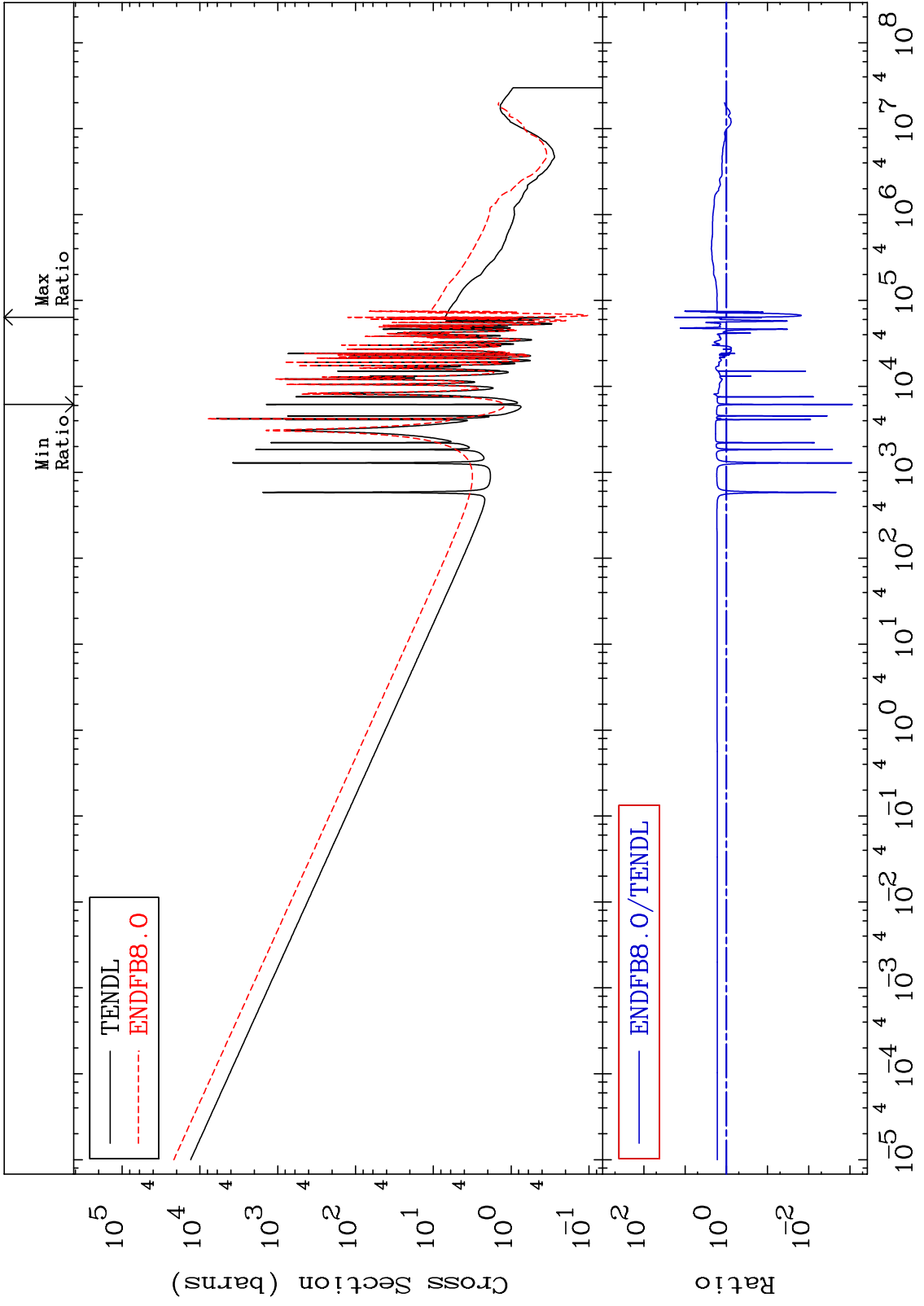
Incident Energy (eV)

22-Ti-47

MAT 2228

Kerma capture (mt102)
Cross Section

22-Ti-47
-99.91 To 1696. %



41

Incident Energy (eV)

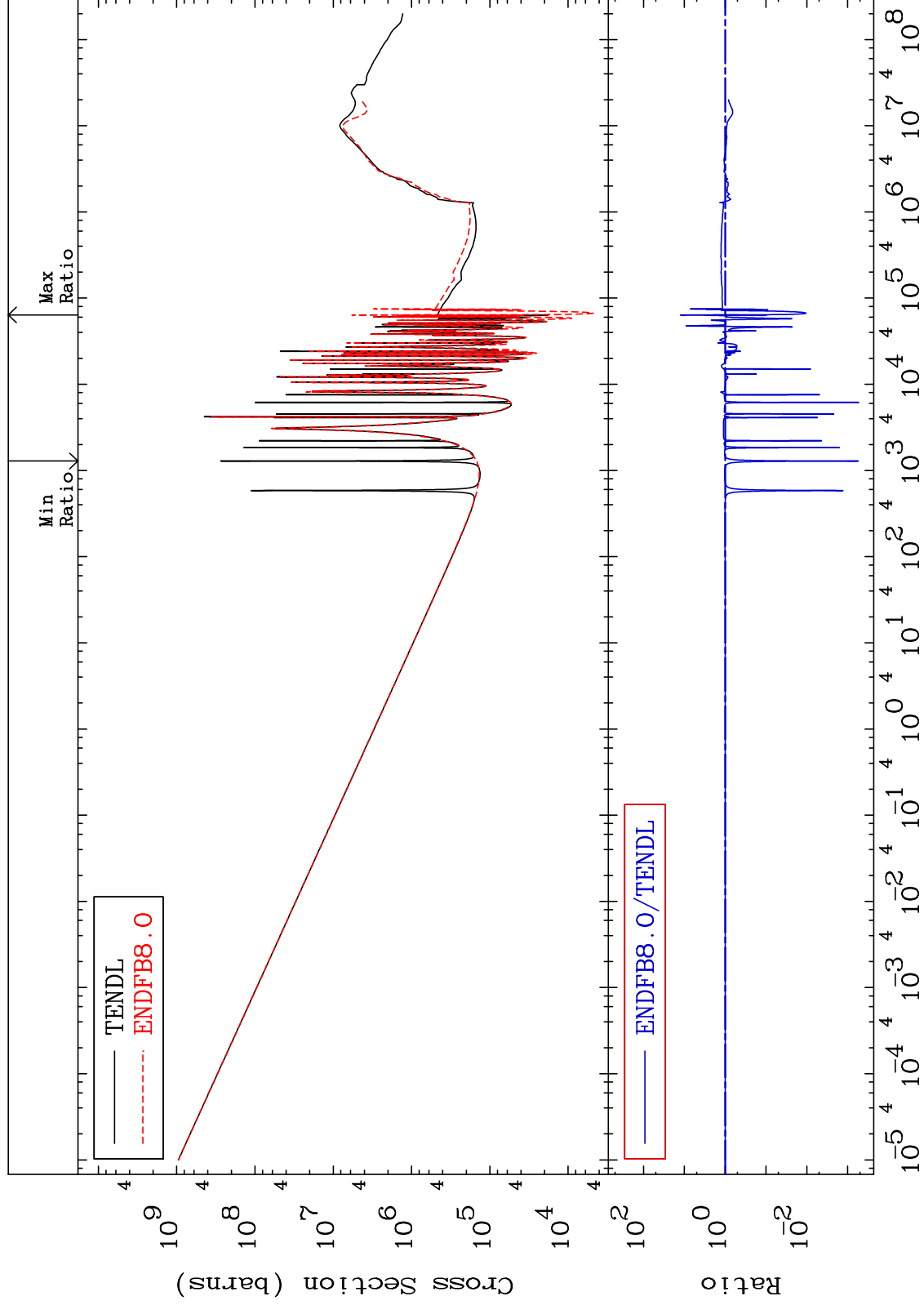
22-Ti-47

MAT 2228

Total photon (eV-barns)
Cross Section

22-Ti-47

-99.95 To 1147. %



42

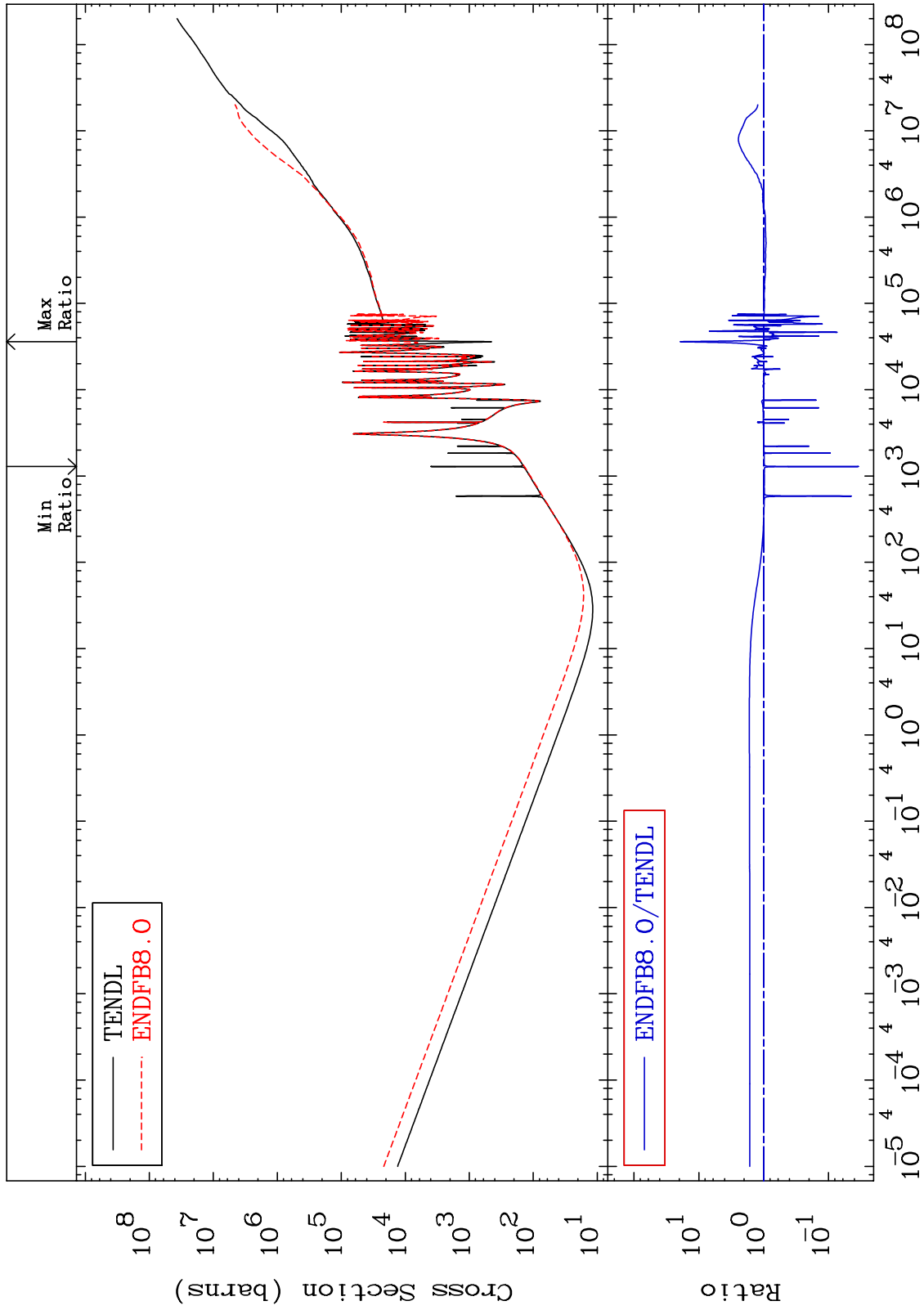
Incident Energy (eV)

22-Ti-47

MAT 2228

Total kinematic kerma (high limit)
Cross Section

22-Ti-47
-96.53 To 1849. %



43

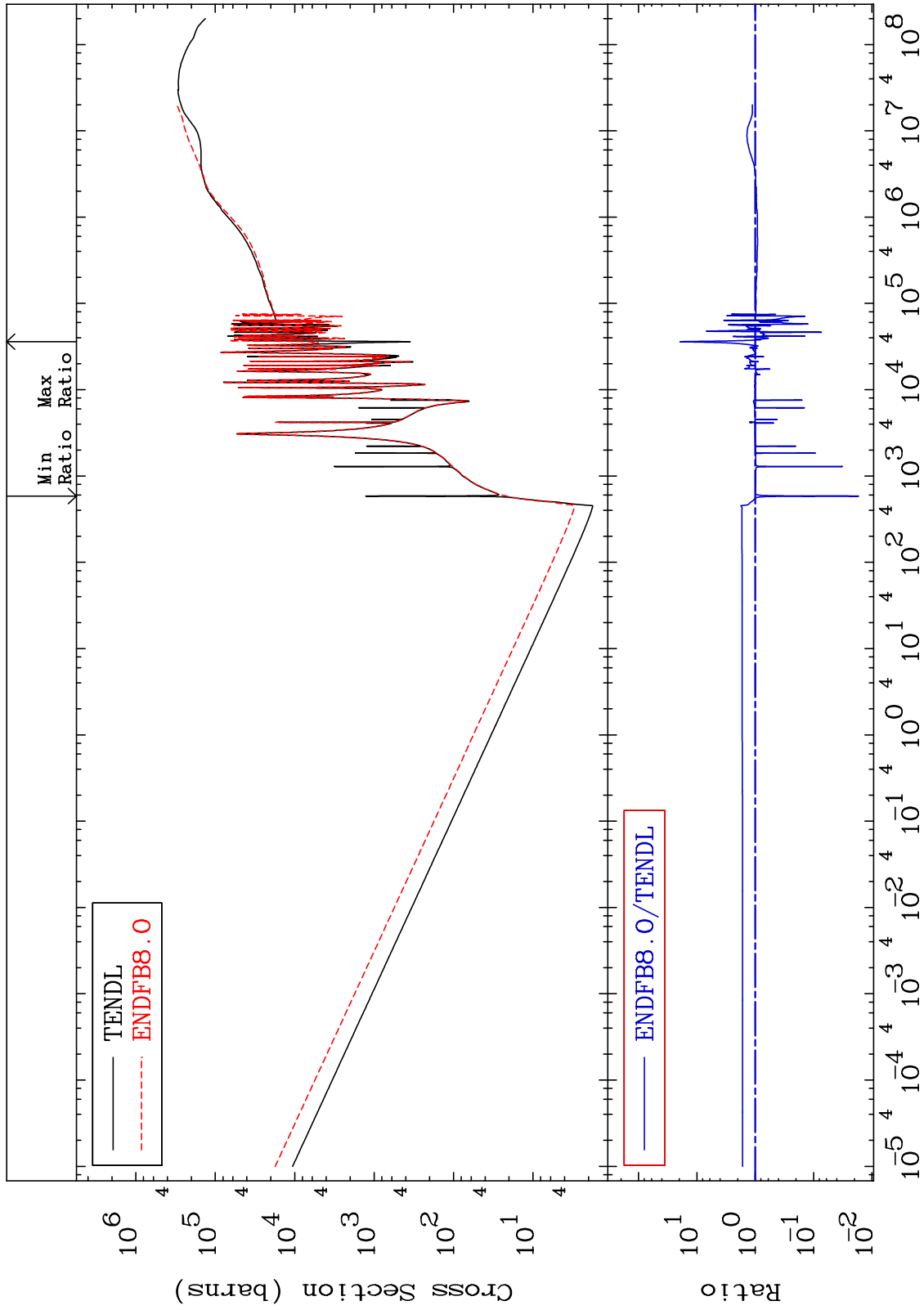
Incident Energy (eV)

22-Ti-47

MAT 2228

Dpa total (eV-barns)
Cross Section

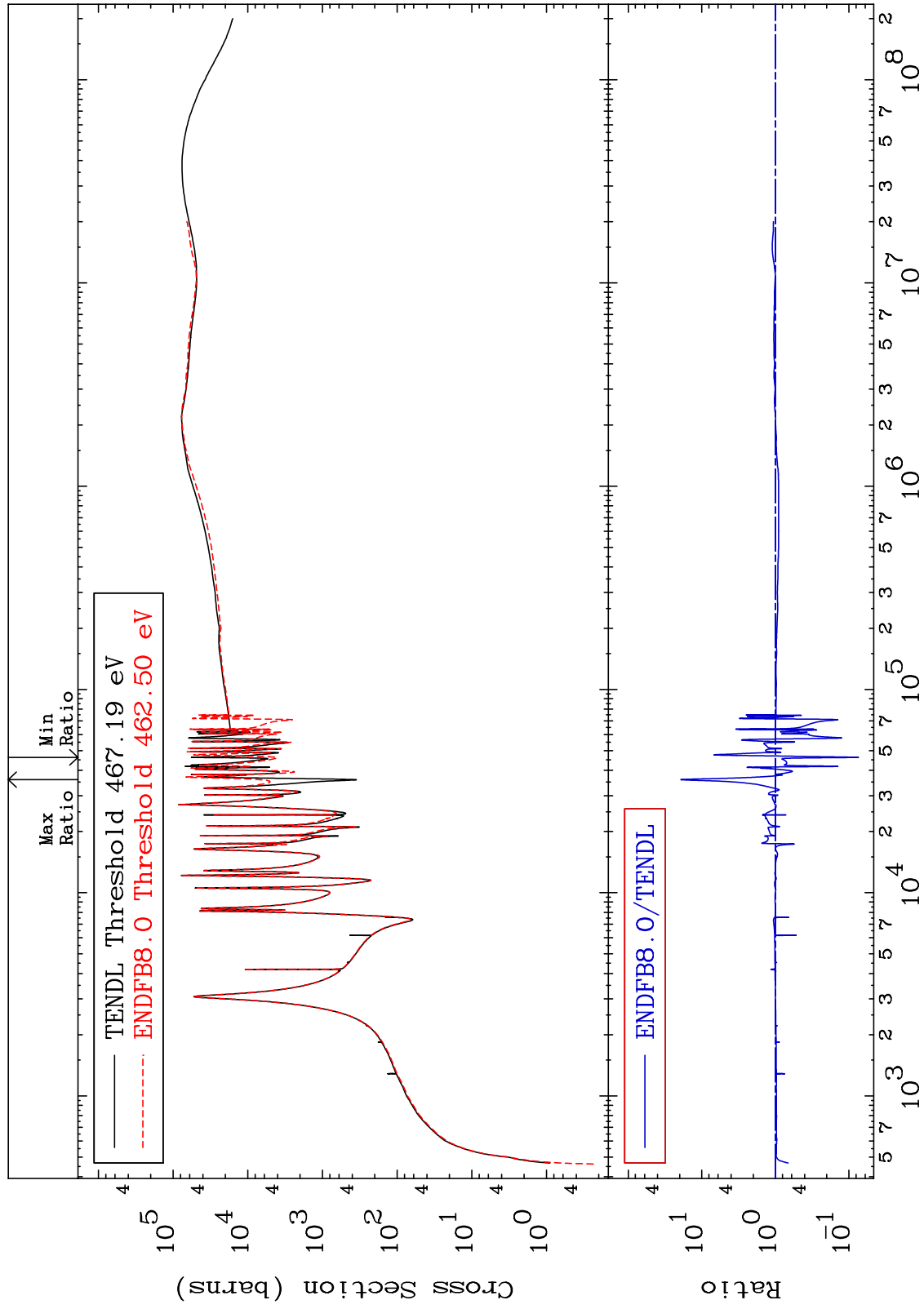
22-Ti-47
-98.29 To 1849. %



MAT 2228

Dpa elastic (mt2)
Cross Section

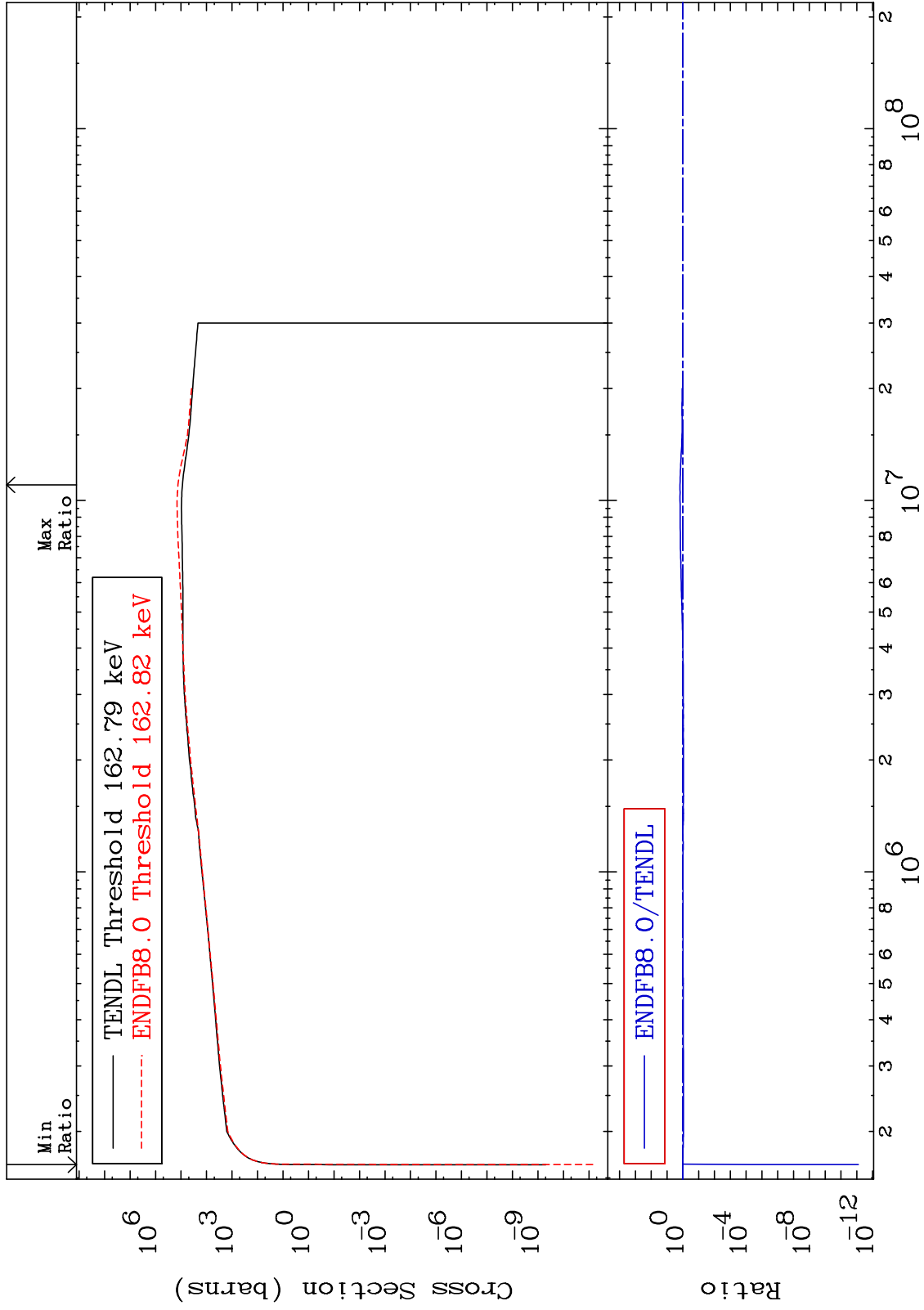
22-Ti-47
-92.60 To 1853. %



MAT 2228

Dpa inelastic (mt51-91)
Cross Section

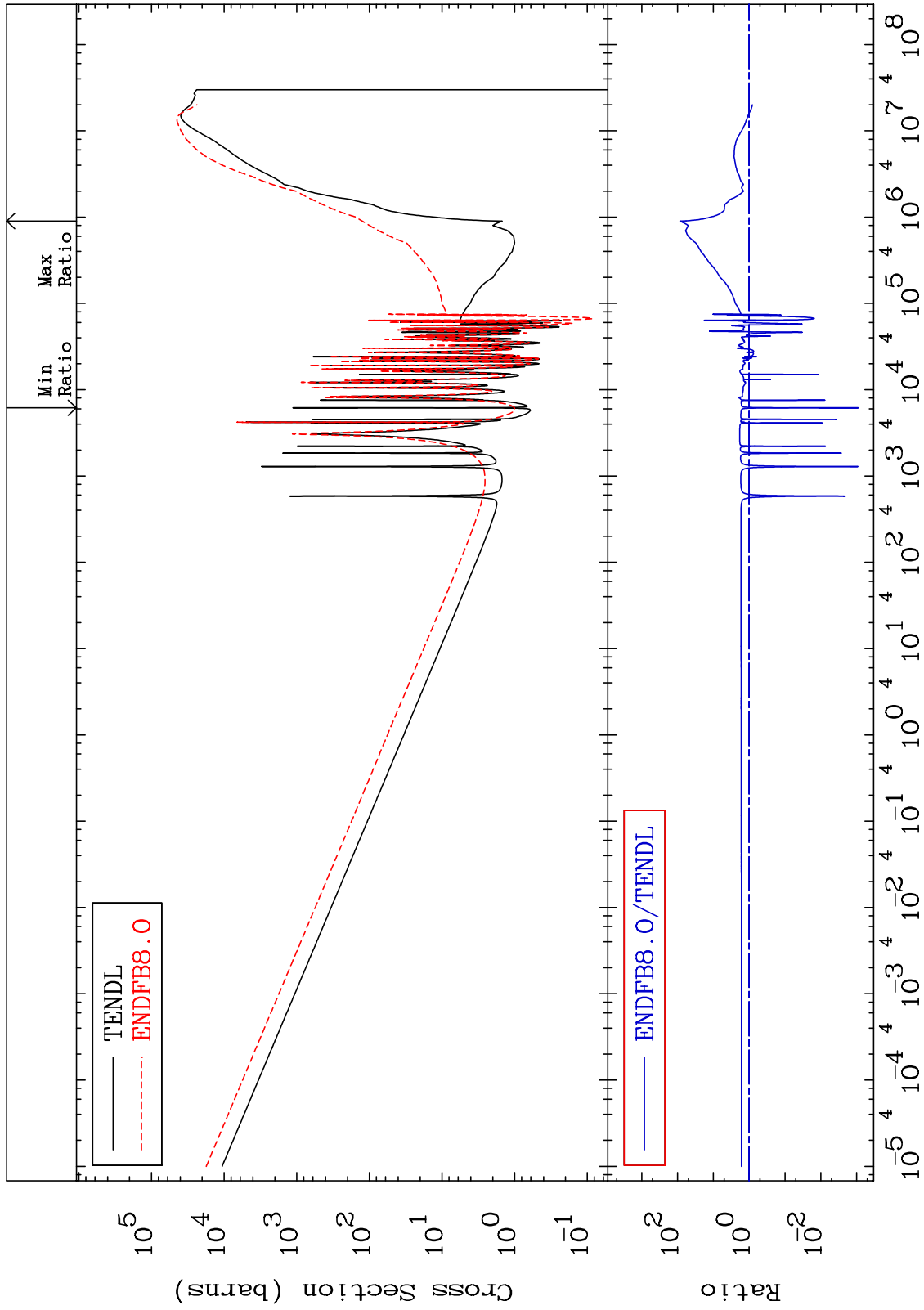
22-Ti-47
-100.0 To 50.57 %



MAT 2228

Dpa disappearance (mt102 -120)
Cross Section

22-Ti-47
-99.91 To 8447. %



47

Incident Energy (eV)

22-Ti-47