

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

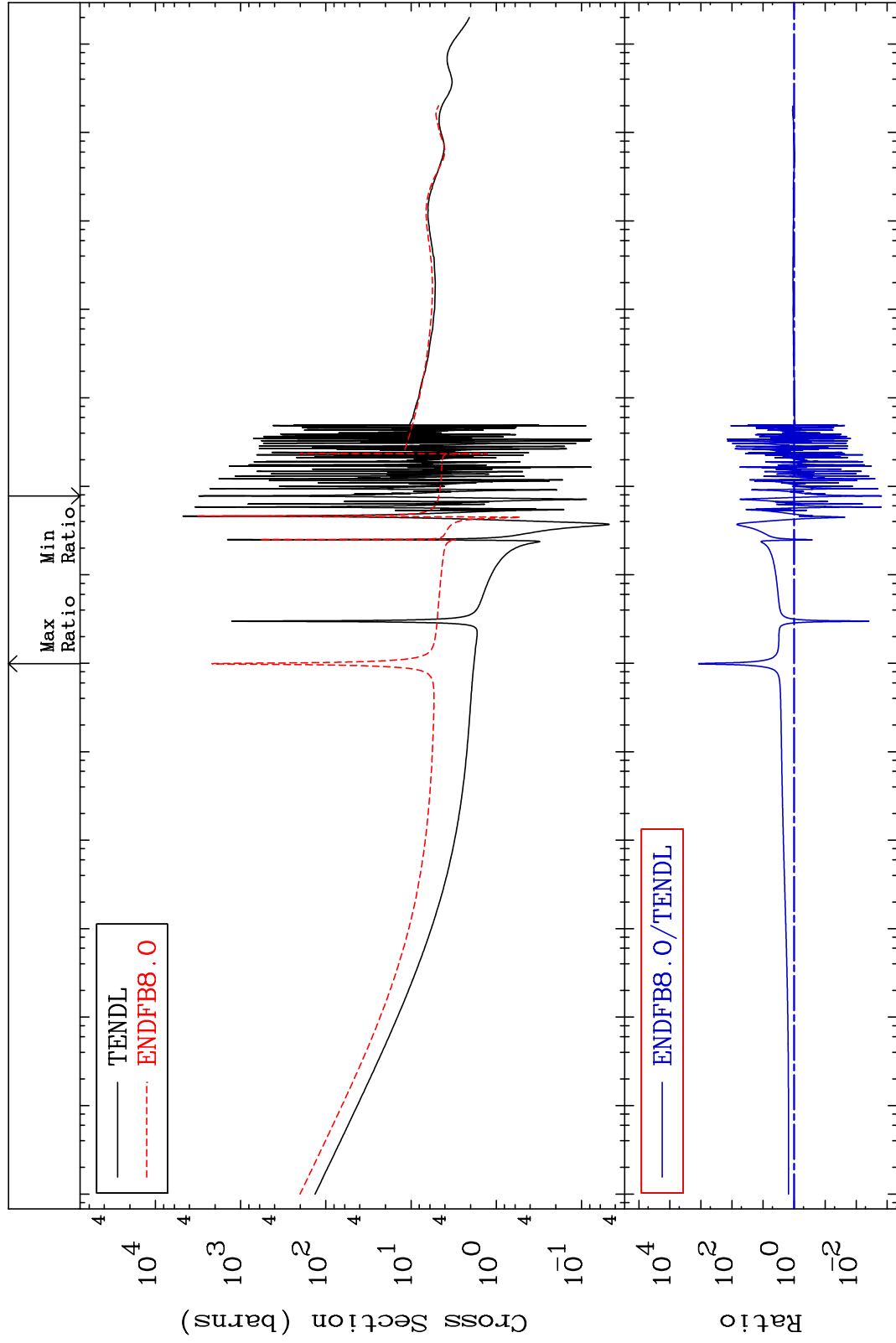
MAT 5431

Total

54-Xe-126

Cross Section

-99.85 To 9999. %



Incident Energy (eV)

54-Xe-126

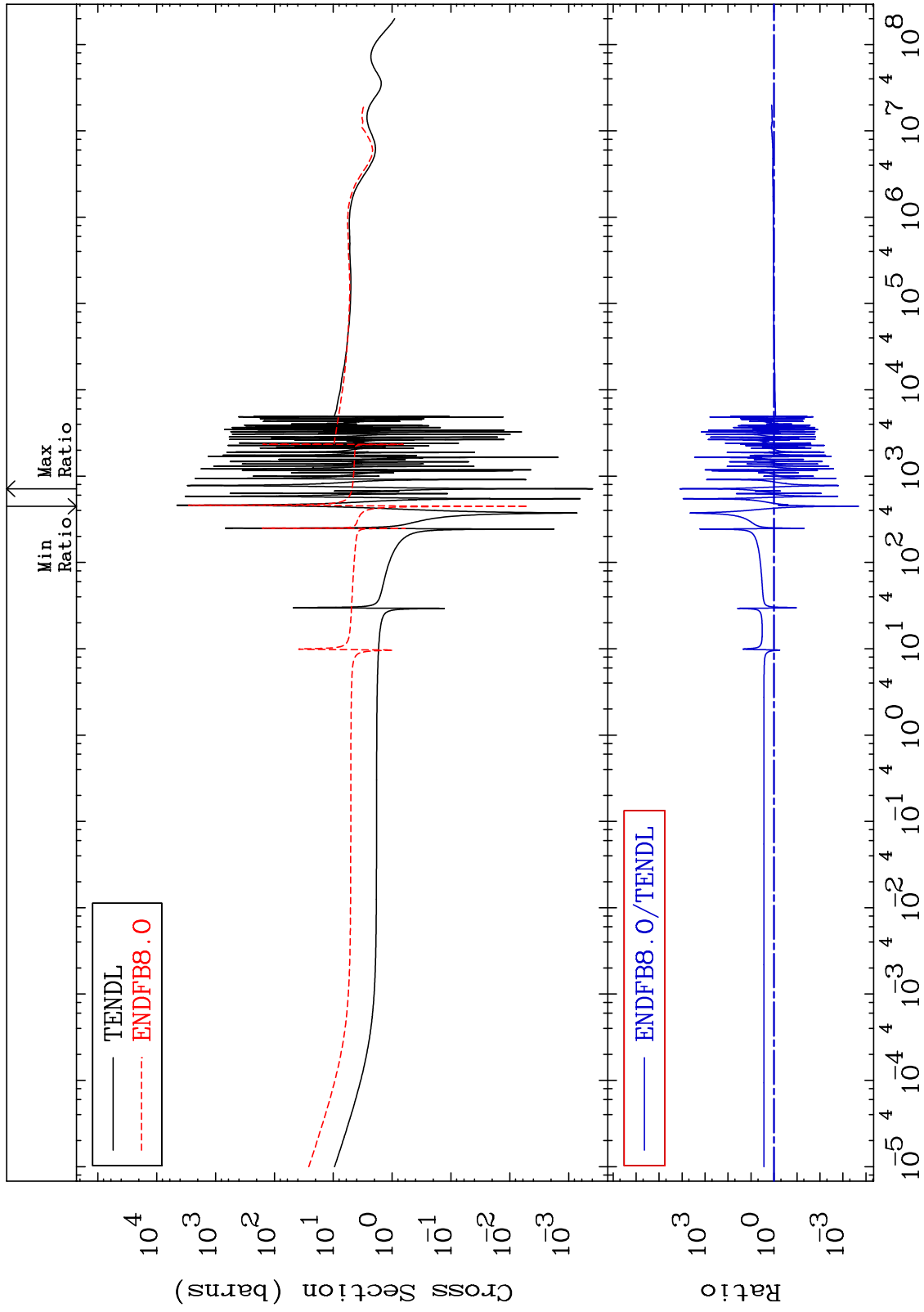
MAT 5431

Elastic

54-Xe-126

Cross Section

-99.98 To 9999. %



2

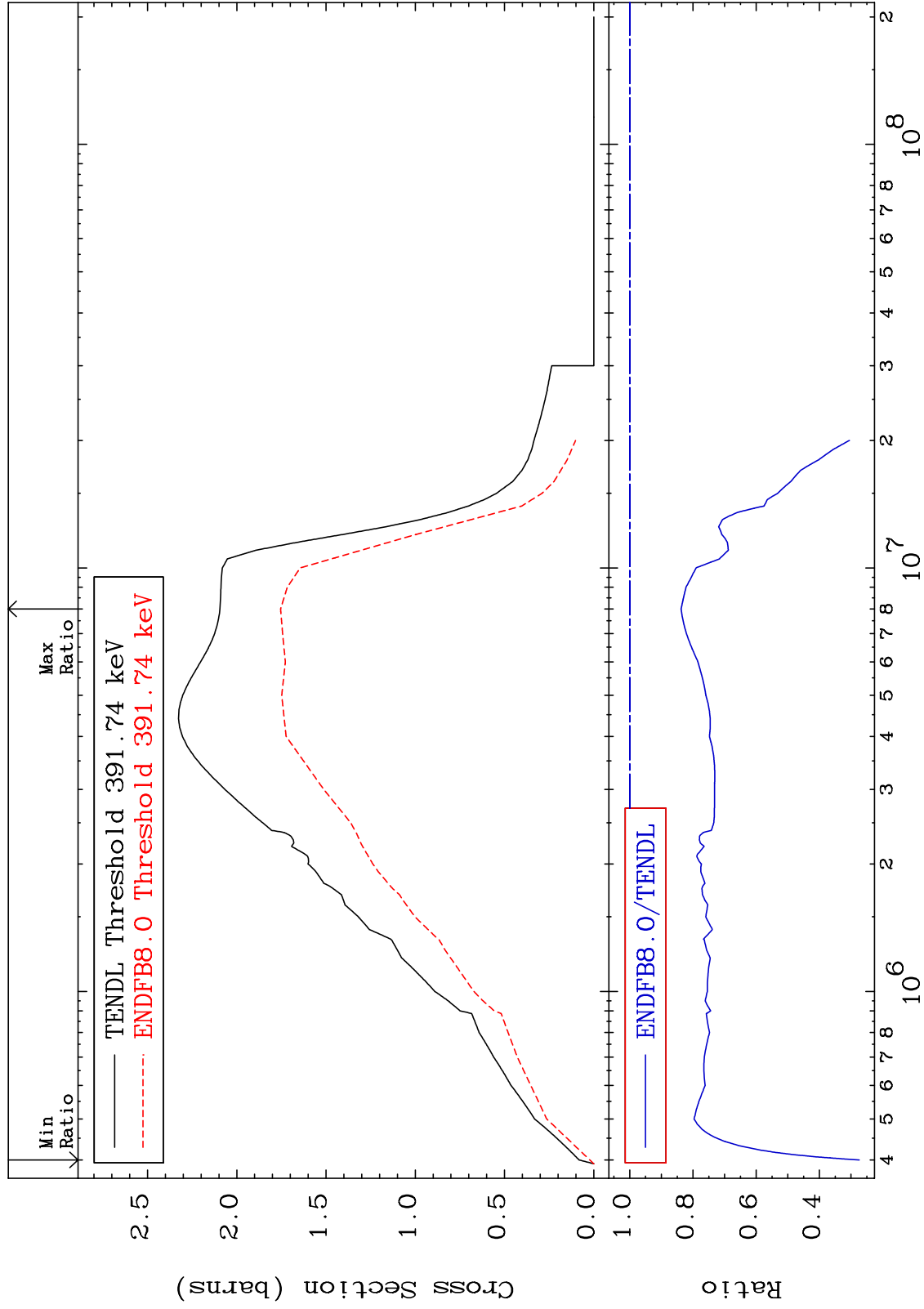
Incident Energy (eV)

54-Xe-126

MAT 5431

Inelastic
Cross Section

54-Xe-126
-72.60 To -16.23%



3

Incident Energy (eV)

54-Xe-126

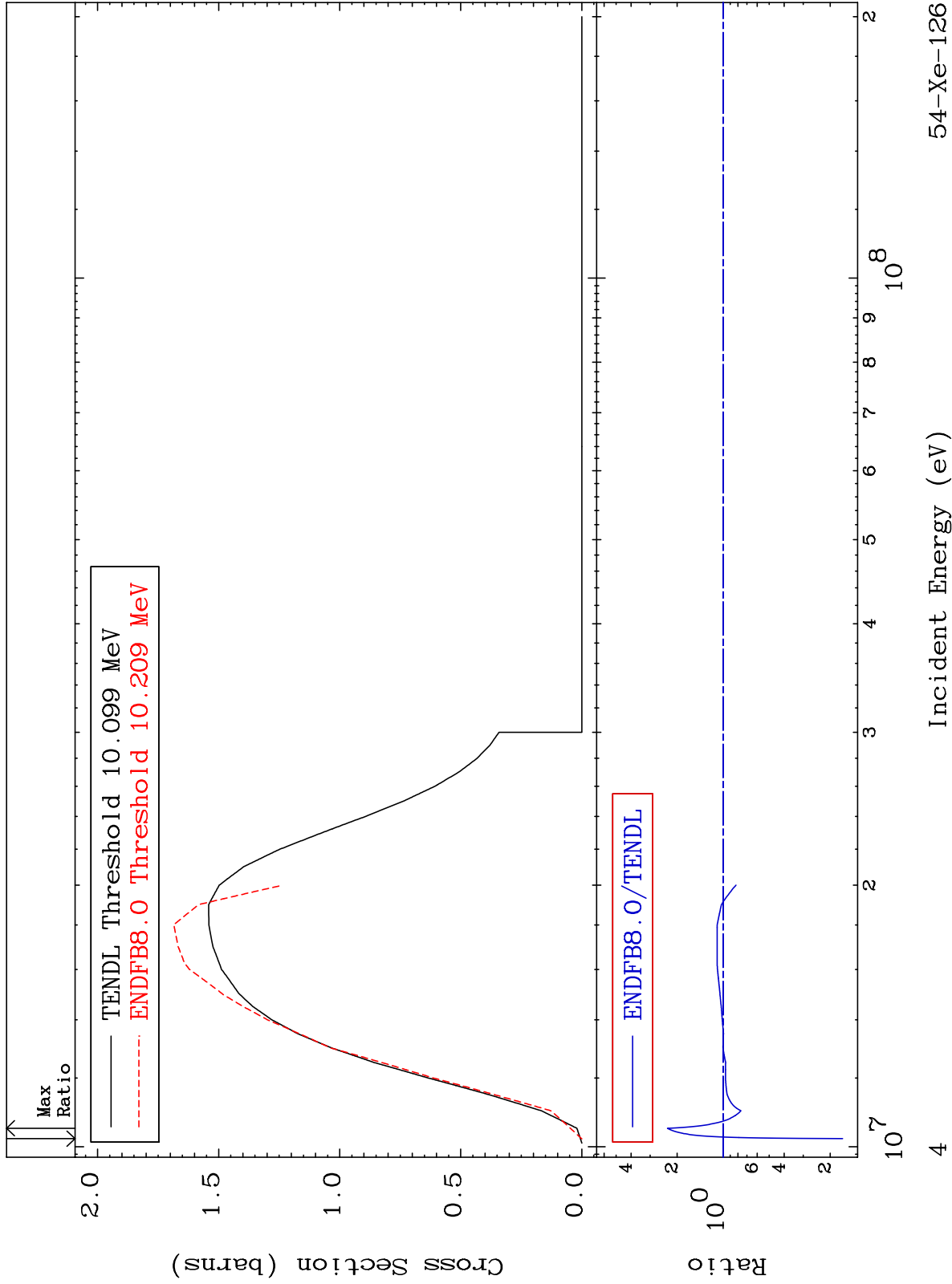
MAT 5431

(n,2n)

54-Xe-126

Cross Section

-83.43 To 130.8 %



54-Xe-126

Incident Energy (eV)

MAT 5431

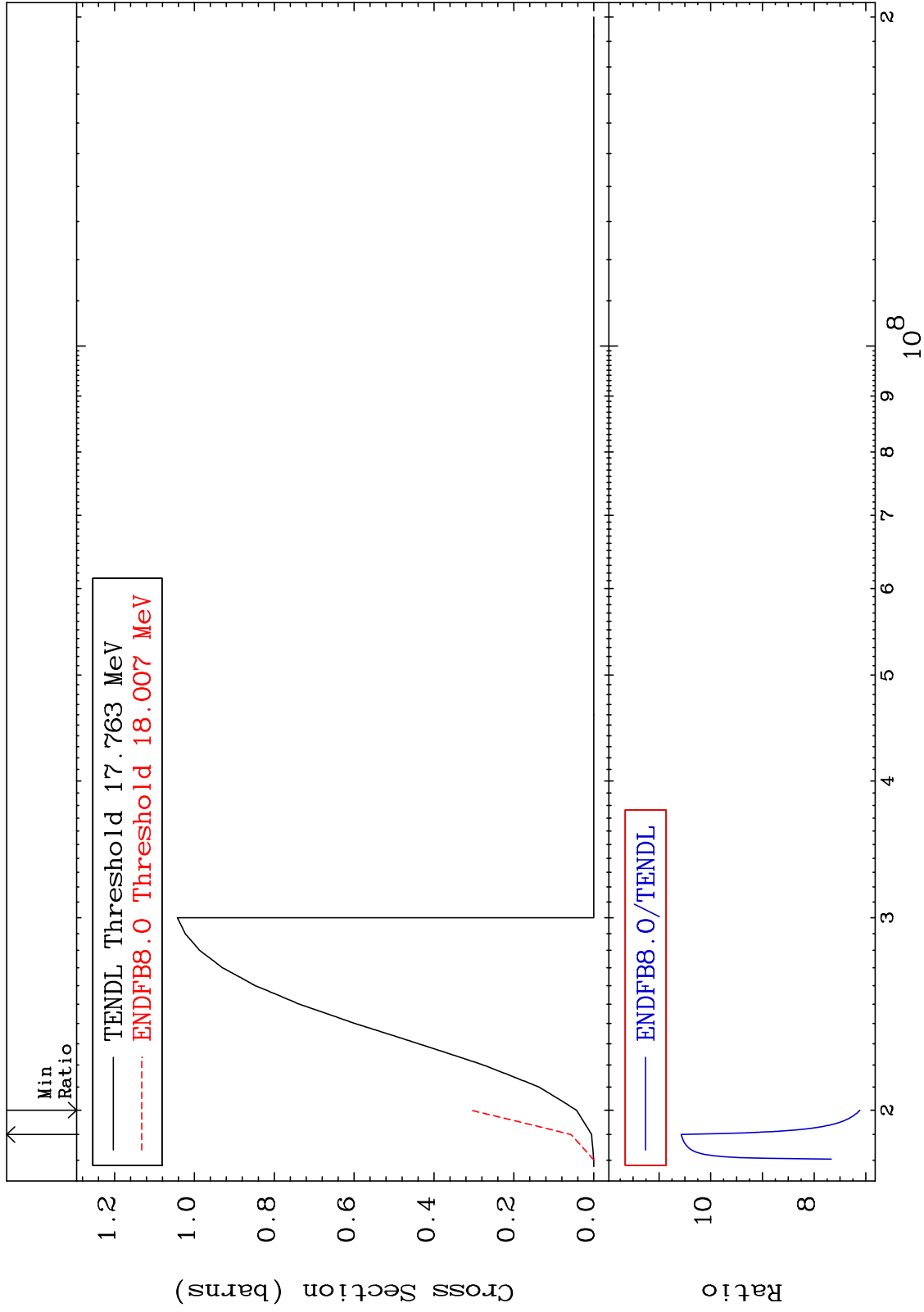
(n, 3n)

54-Xe-126

Cross Section

611.4

To 957.0 %



5

54-Xe-126

54-Xe-126

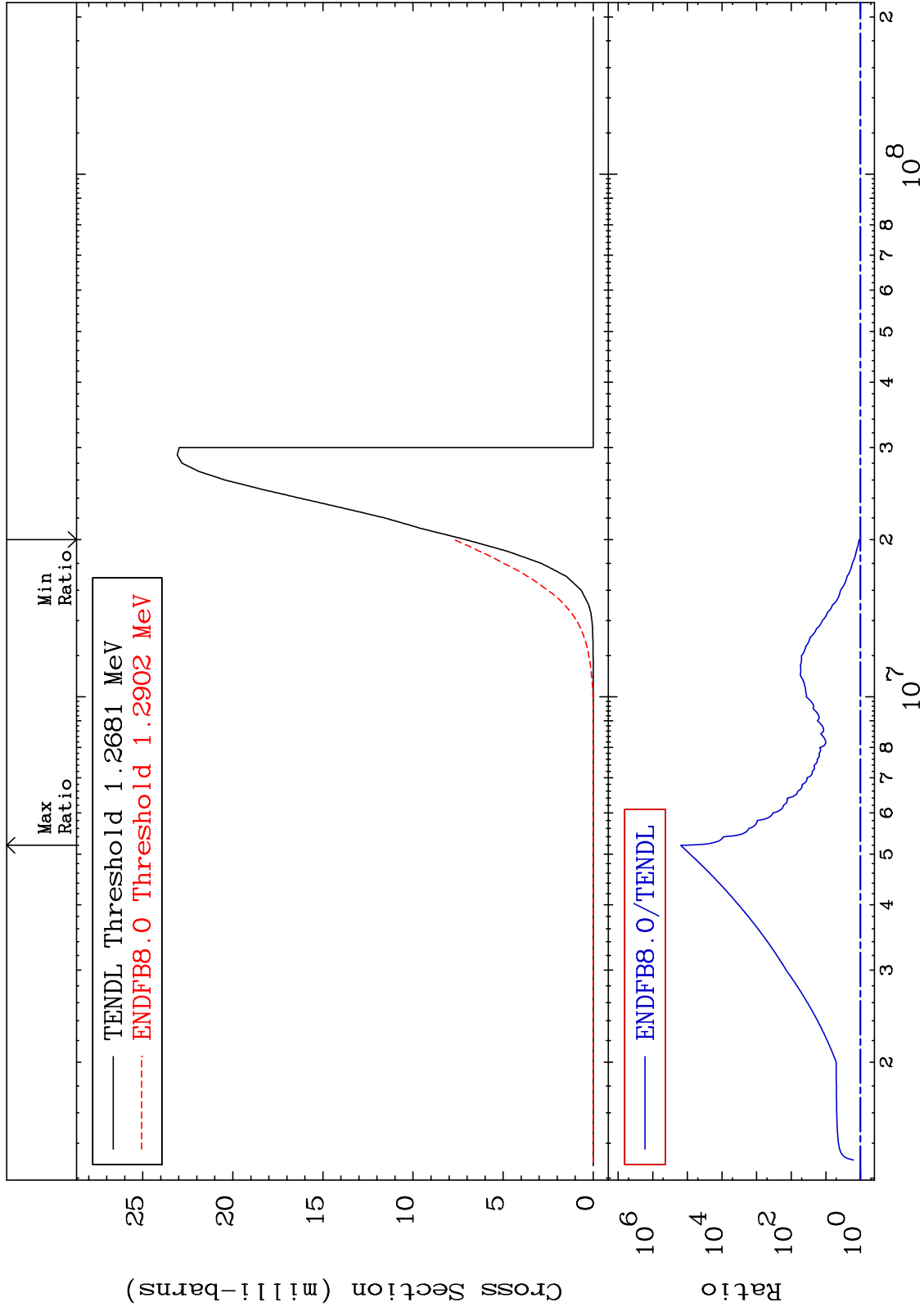
MAT 5431

(n, n') α

54-Xe-126

9.192 To 9999. %

Cross Section



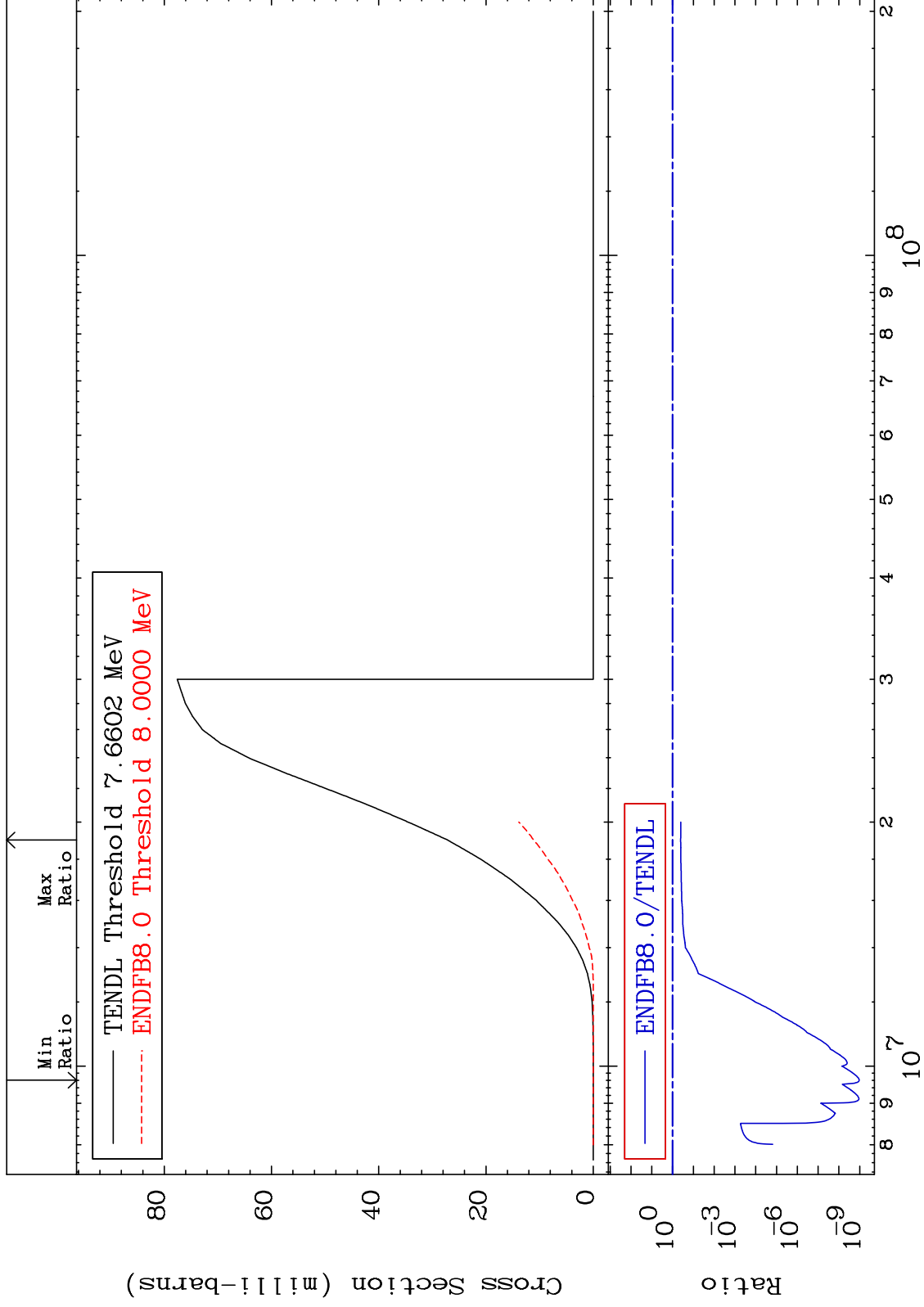
MAT 5431

(n,n') p

54-Xe-126

Cross Section

-100.0 To -59.14%



7

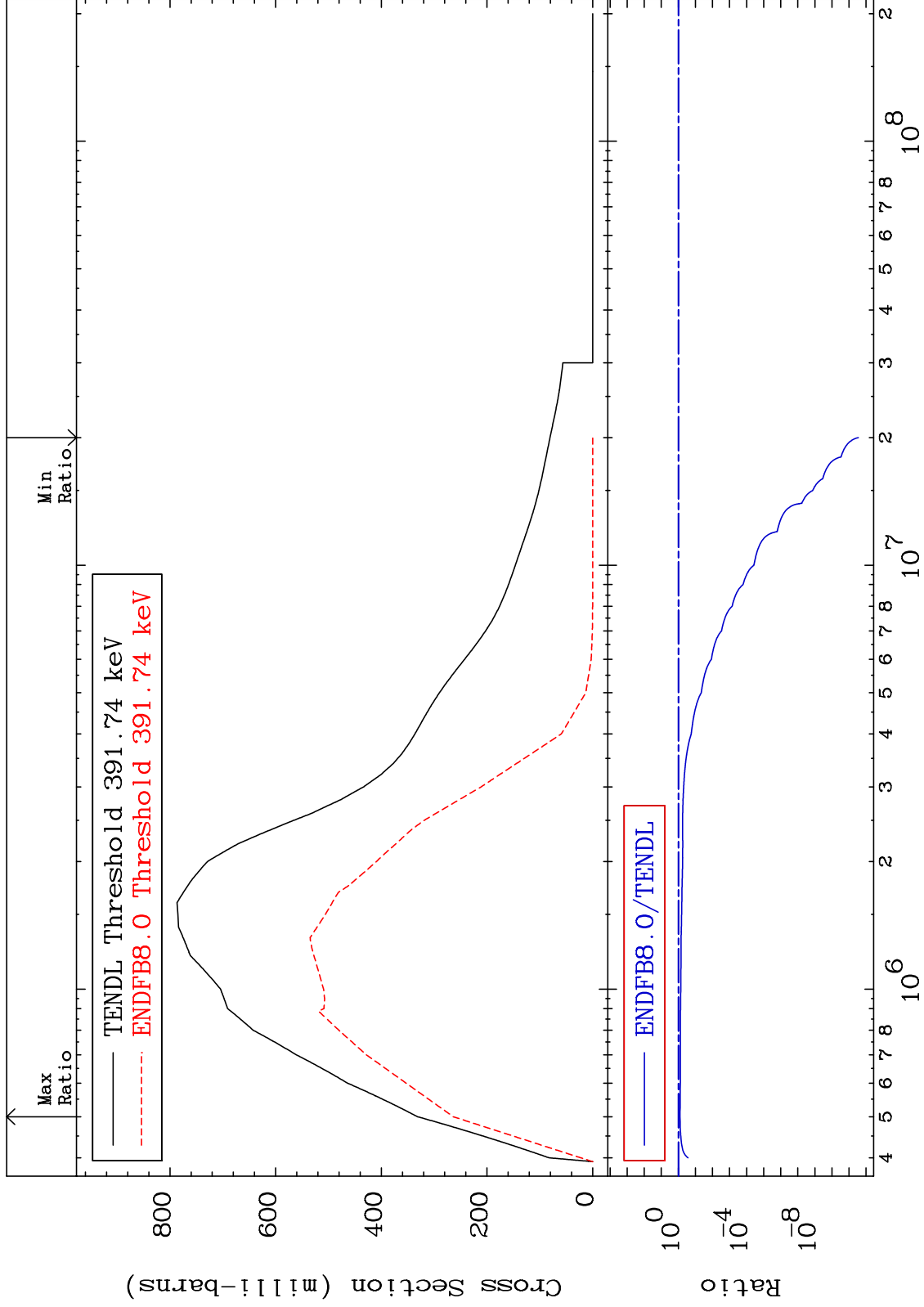
Incident Energy (eV)

54-Xe-126

MAT 5431

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

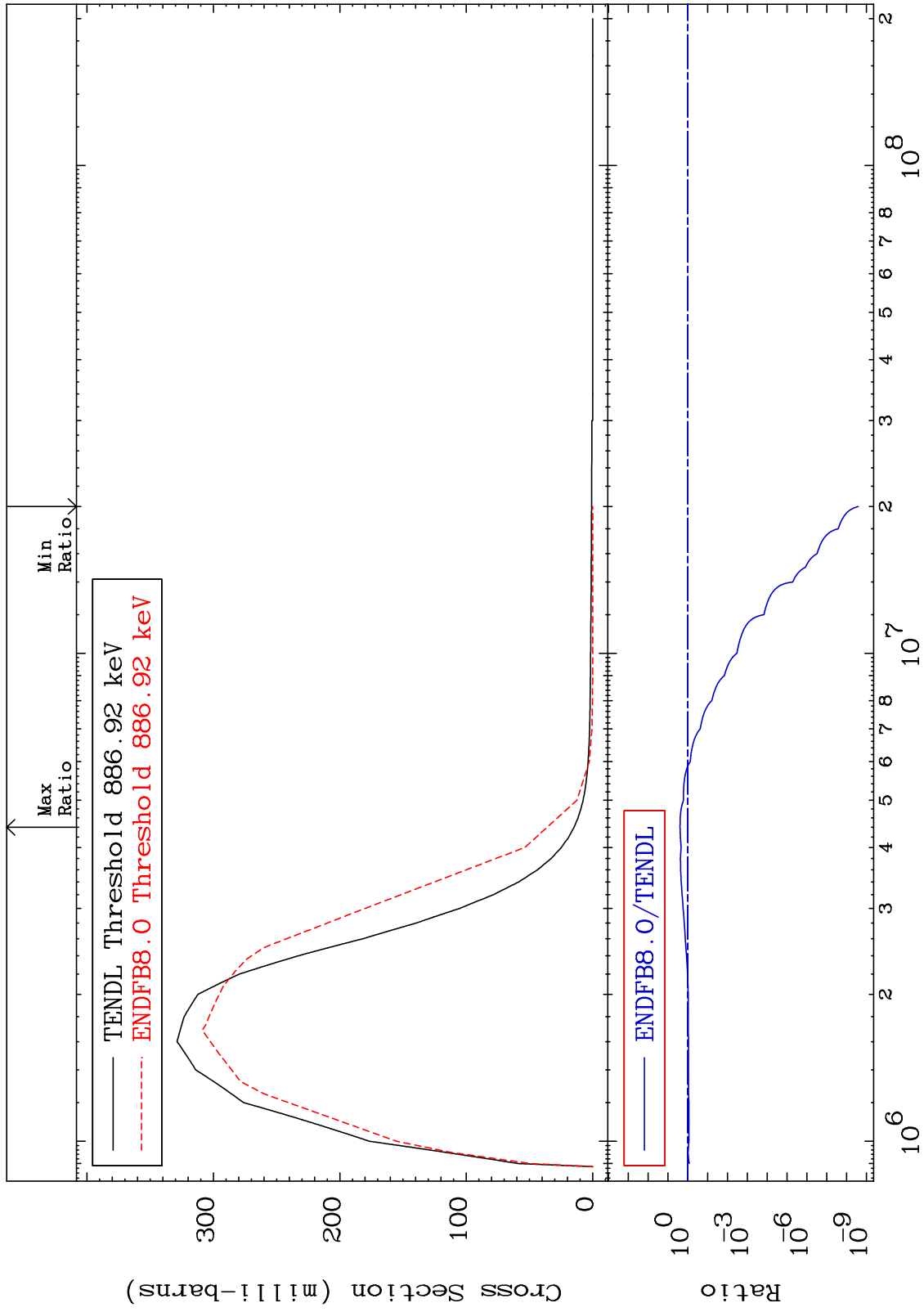
54-Xe-126
-100.0 To -20.34%



MAT 5431

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

54-Xe-126
-100.0 To 144.8 %

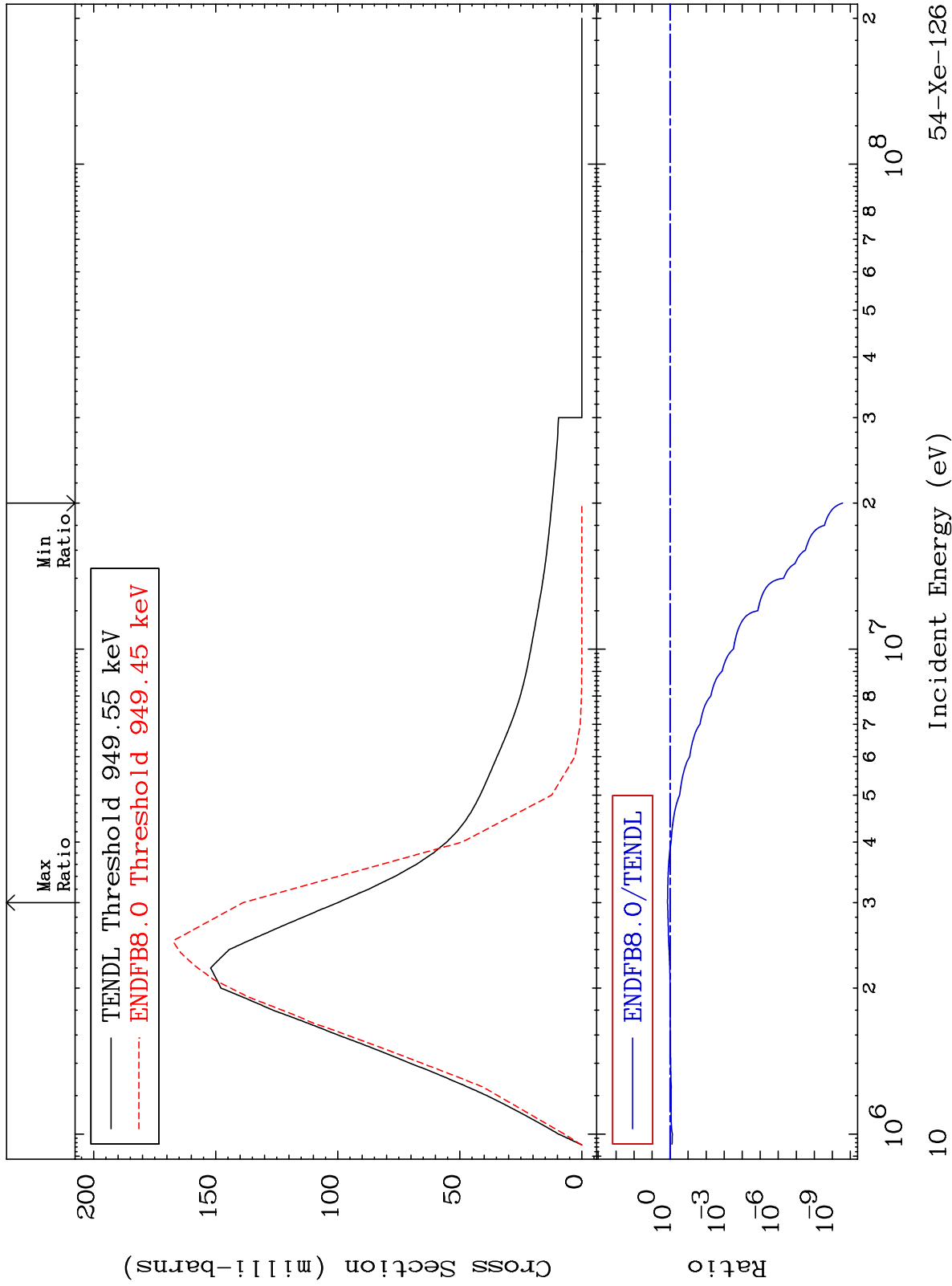


9 54-Xe-126

MAT 5431

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

54-Xe-126
-100.0 To 38.85 %



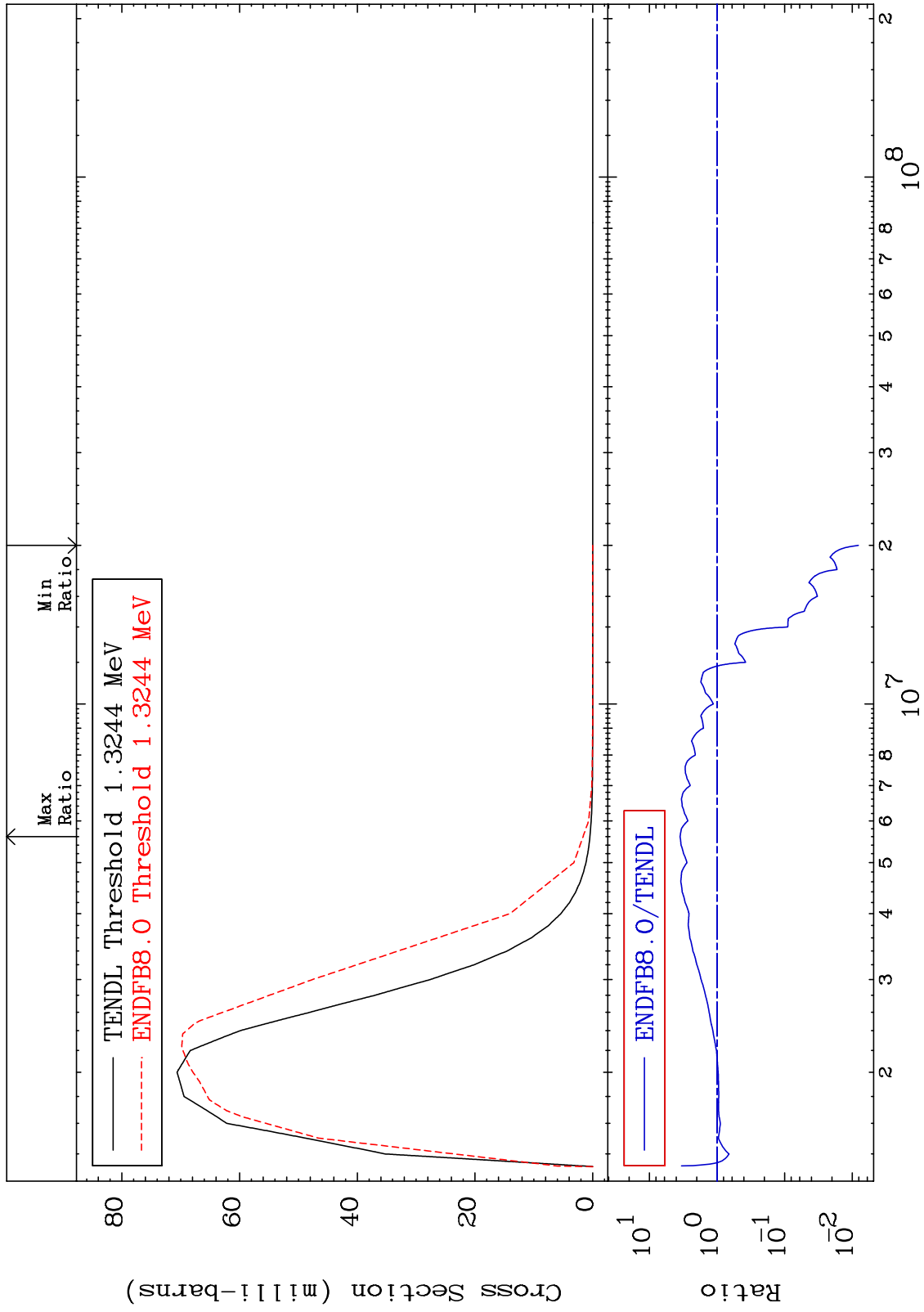
54-Xe-126

Incident Energy (eV)

MAT 5431

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

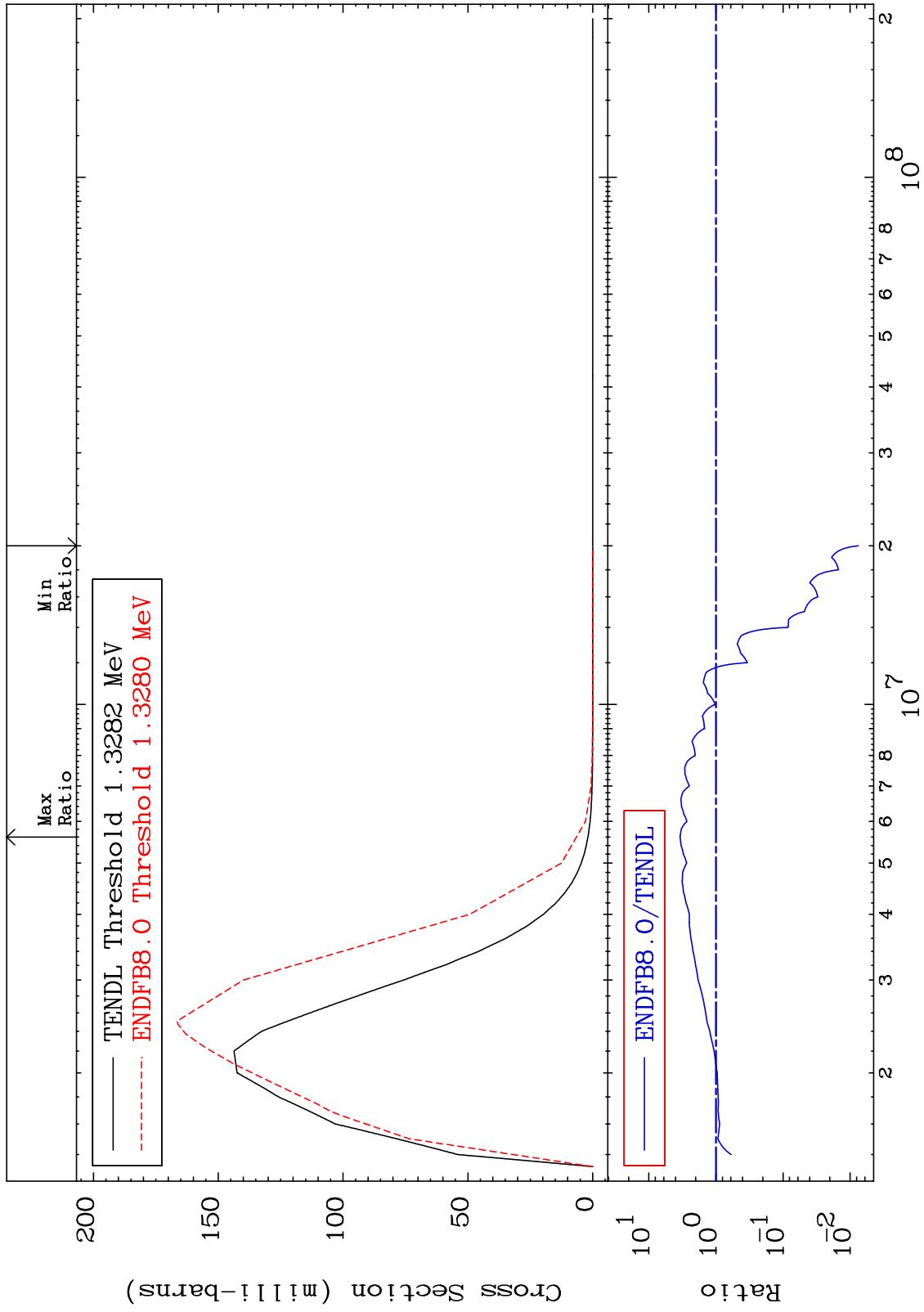
54-Xe-126
-99.19 To 252.8 %



MAT 5431

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

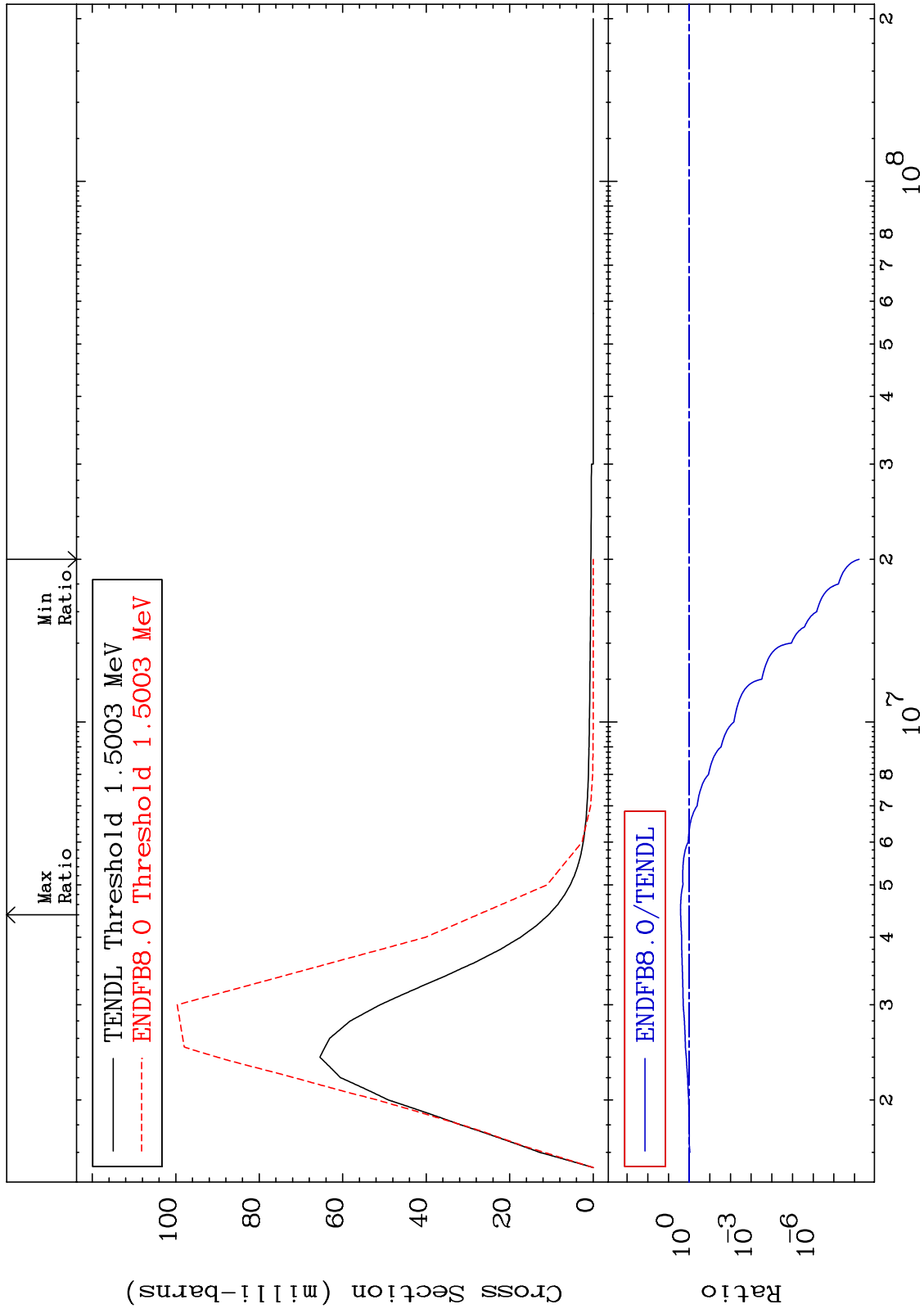
54-Xe-126
-99.25 To 243.2 %



MAT 5431

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

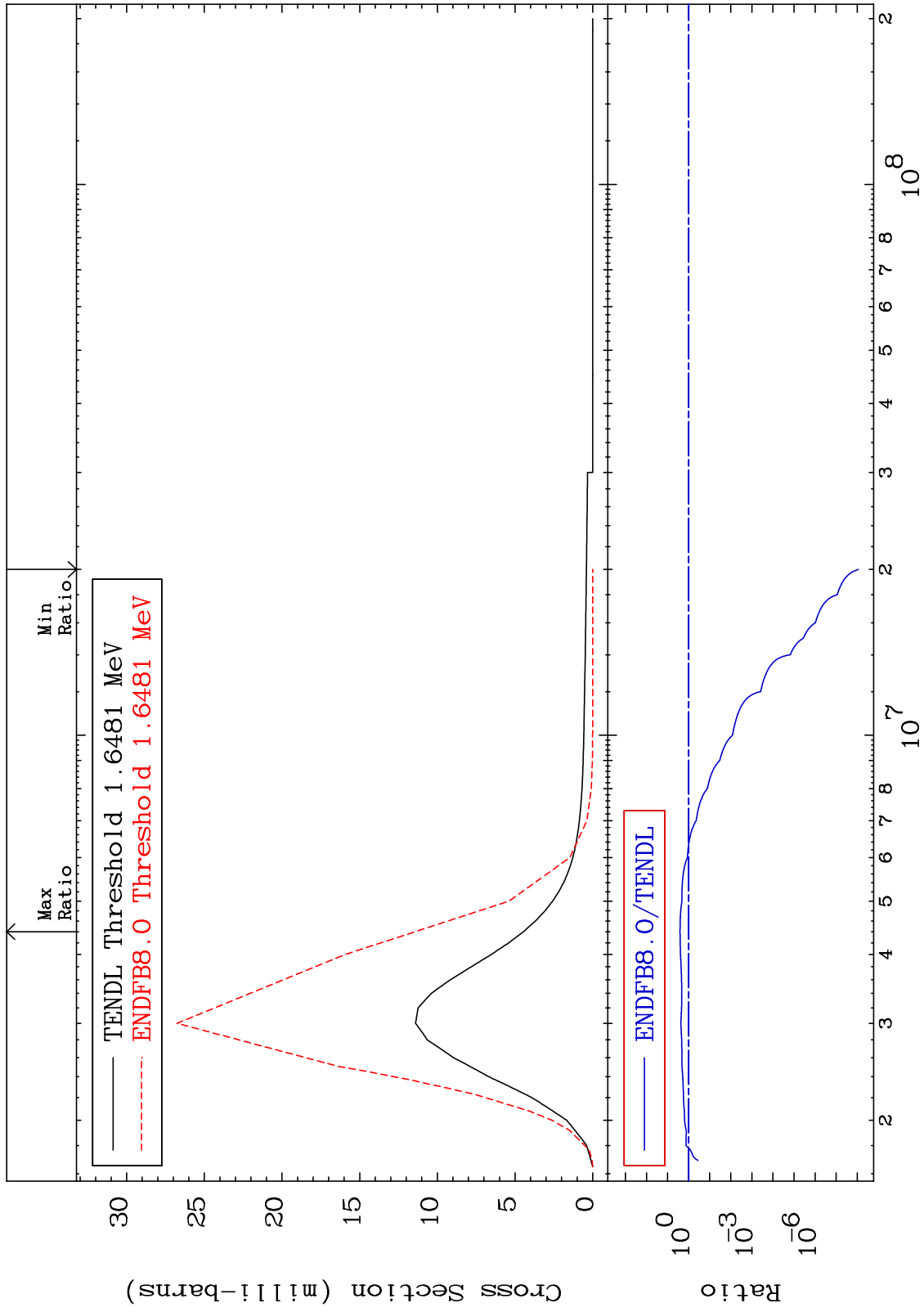
54-Xe-126
-100.0 To 158.8 %



MAT 5431

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

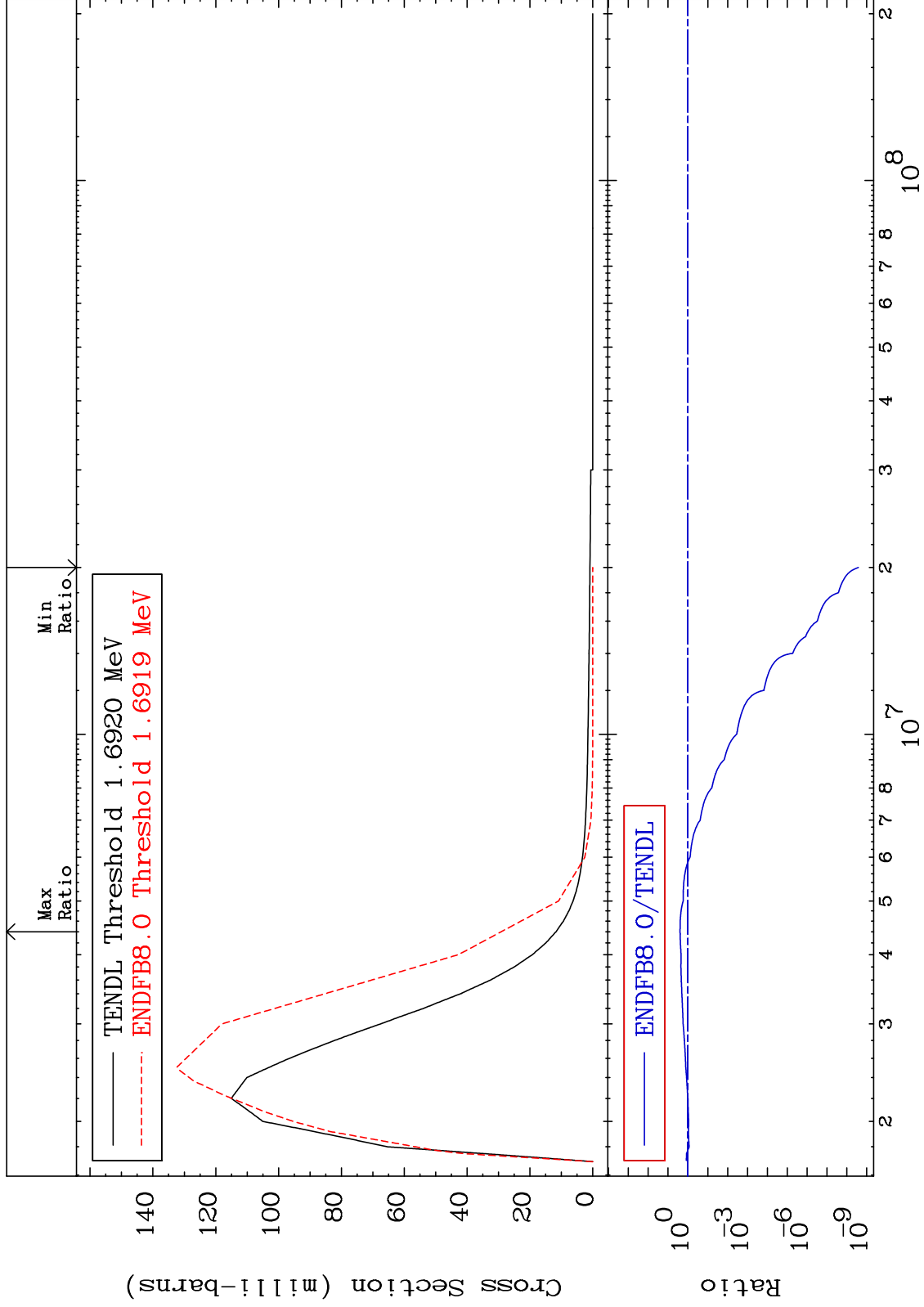
54-Xe-126
-100.0 To 156.6 %



MAT 5431

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

54-Xe-126
-100.0 To 149.3 %



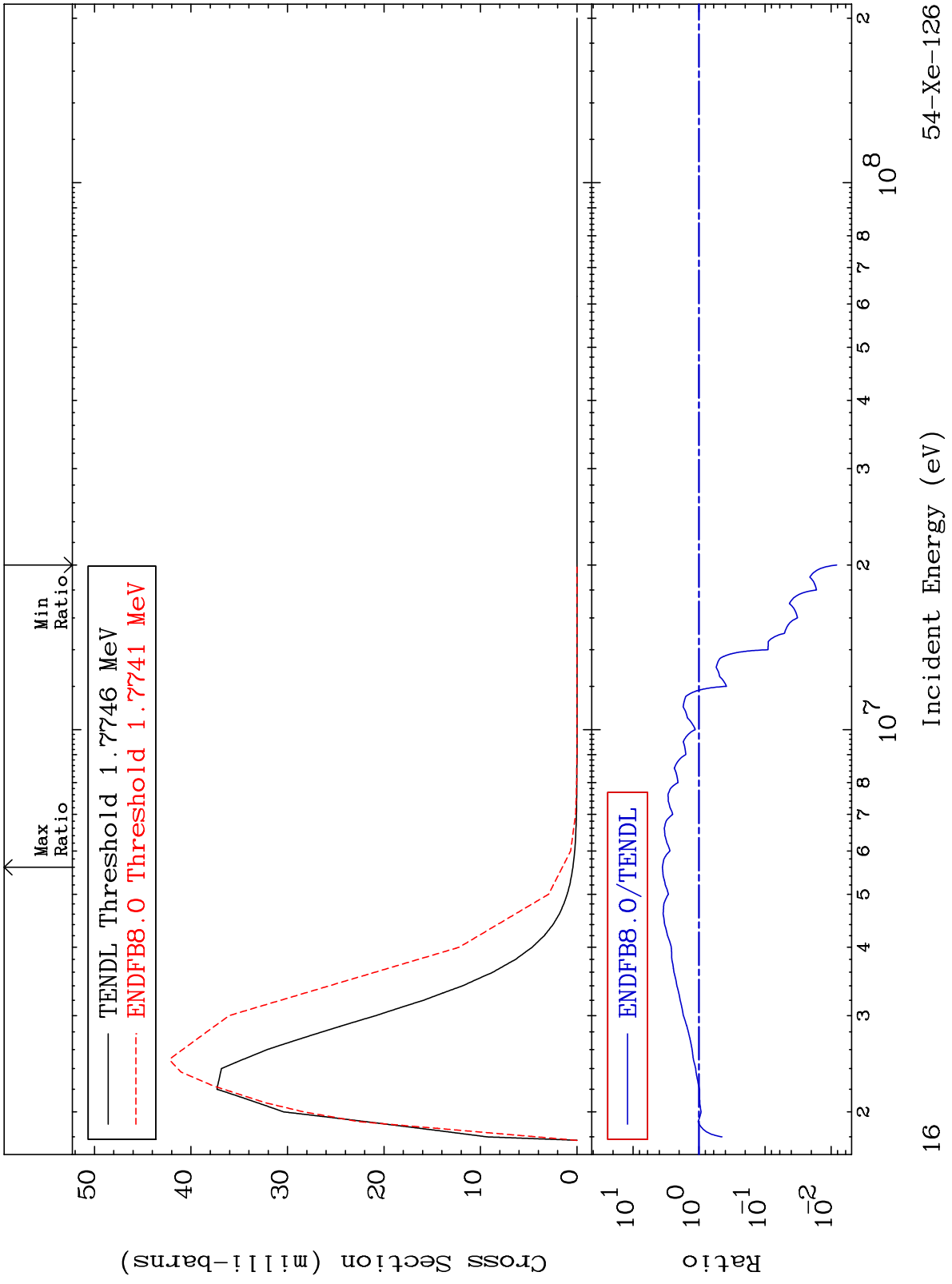
15

54-Xe-126

MAT 5431

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

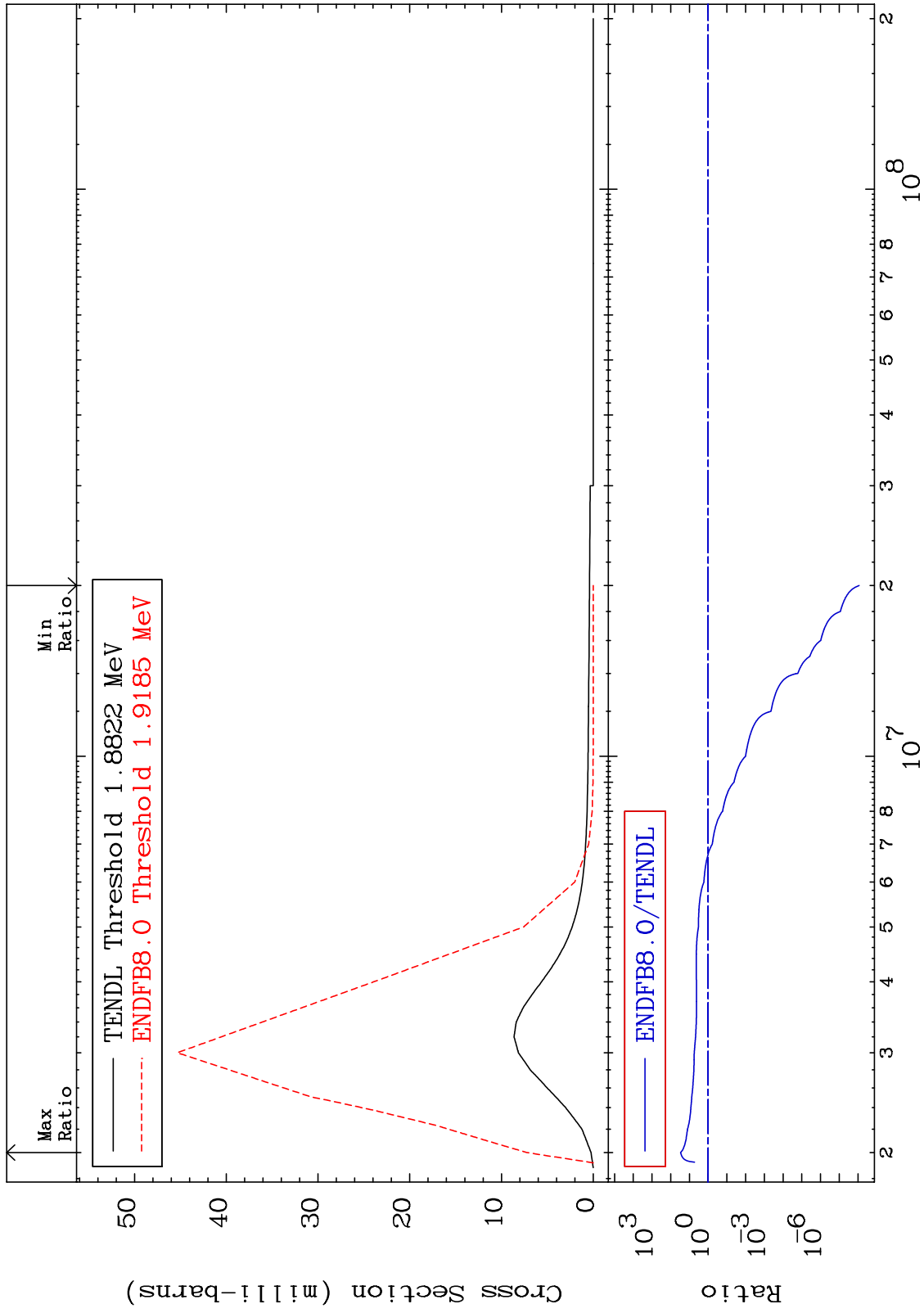
54-Xe-126
-99.18 To 259.3 %



MAT 5431

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

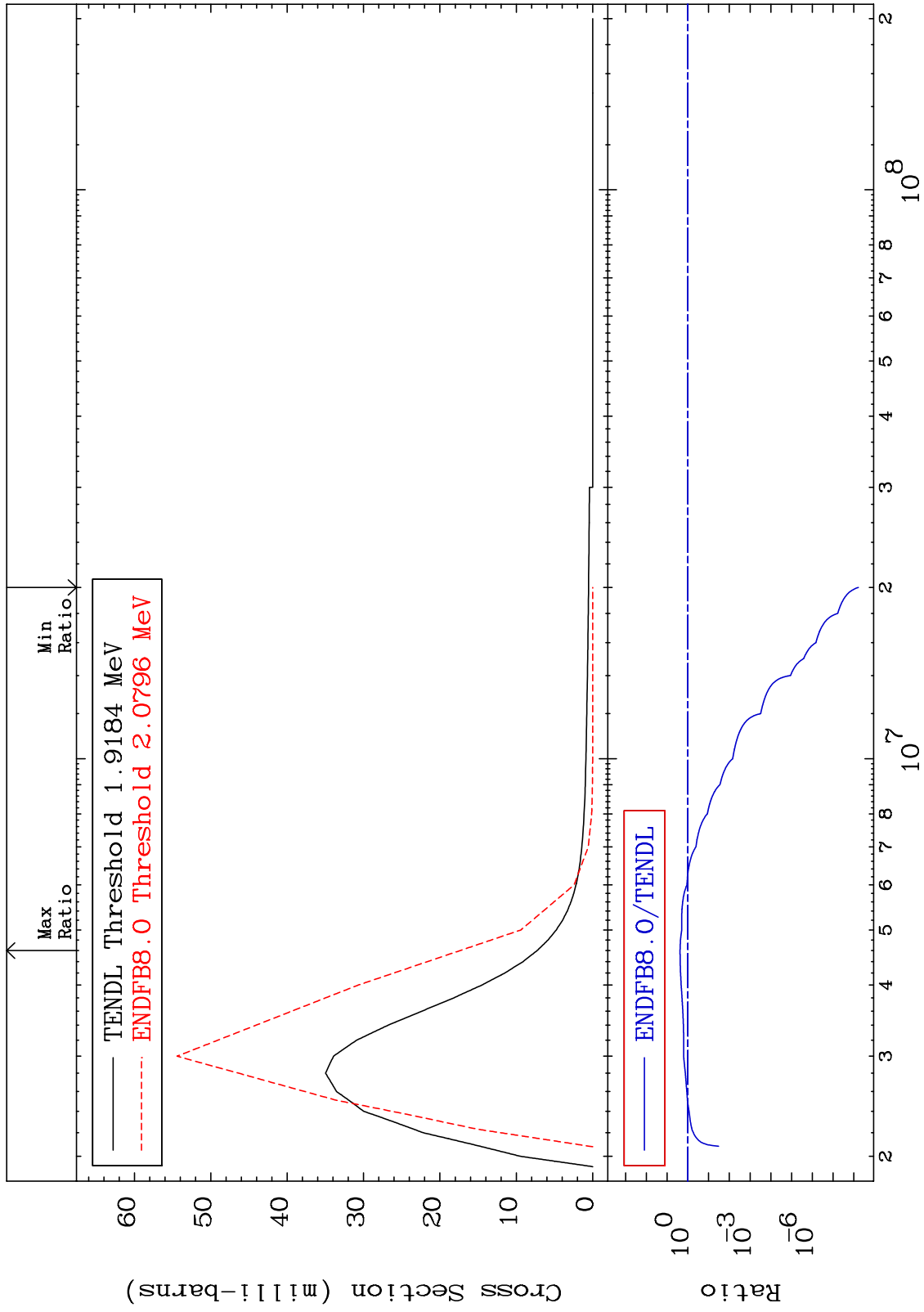
54-Xe-126
-100.0 To 2856. %



MAT 5431

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

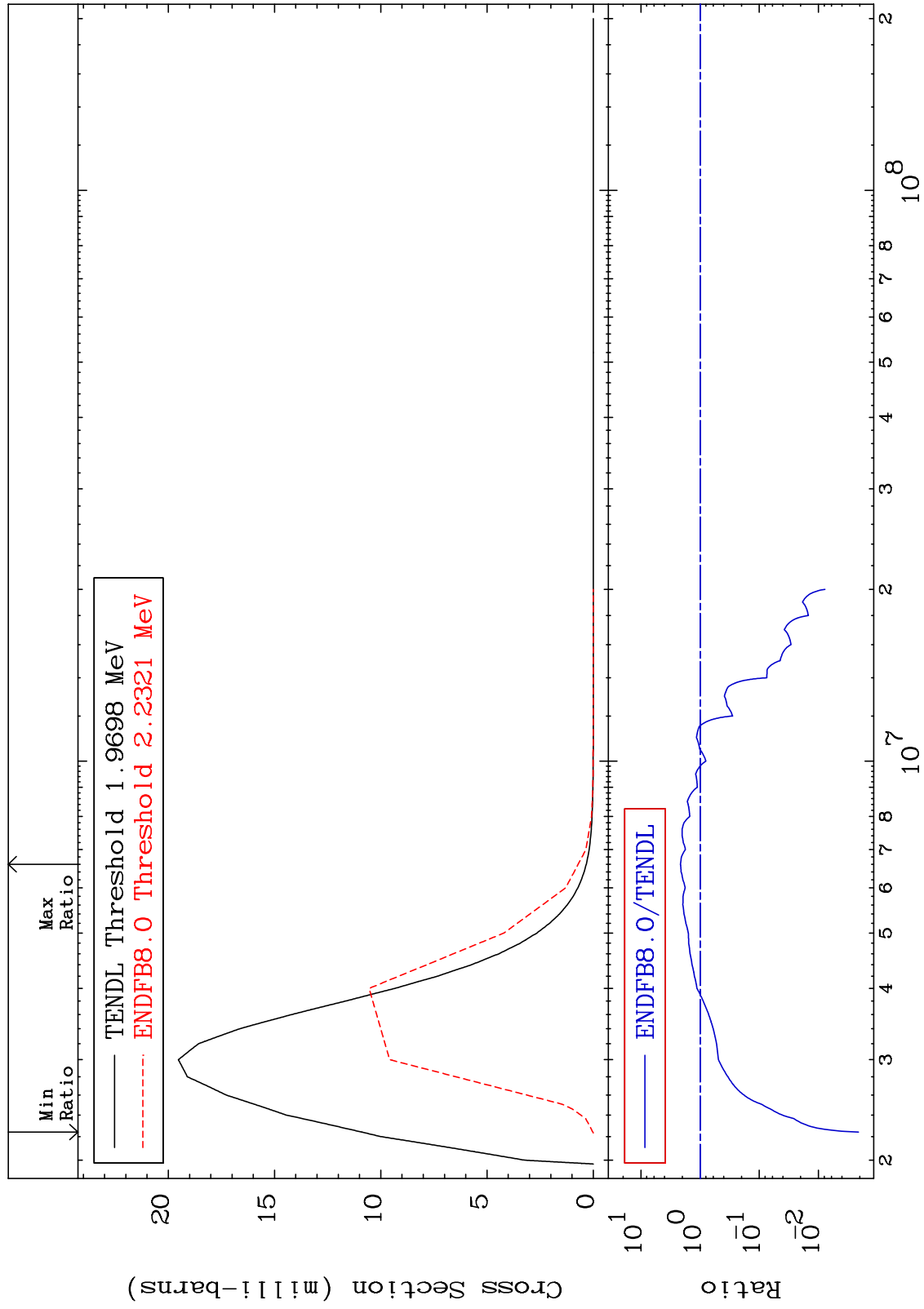
54-Xe-126
-100.0 To 139.0 %



MAT 5431

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

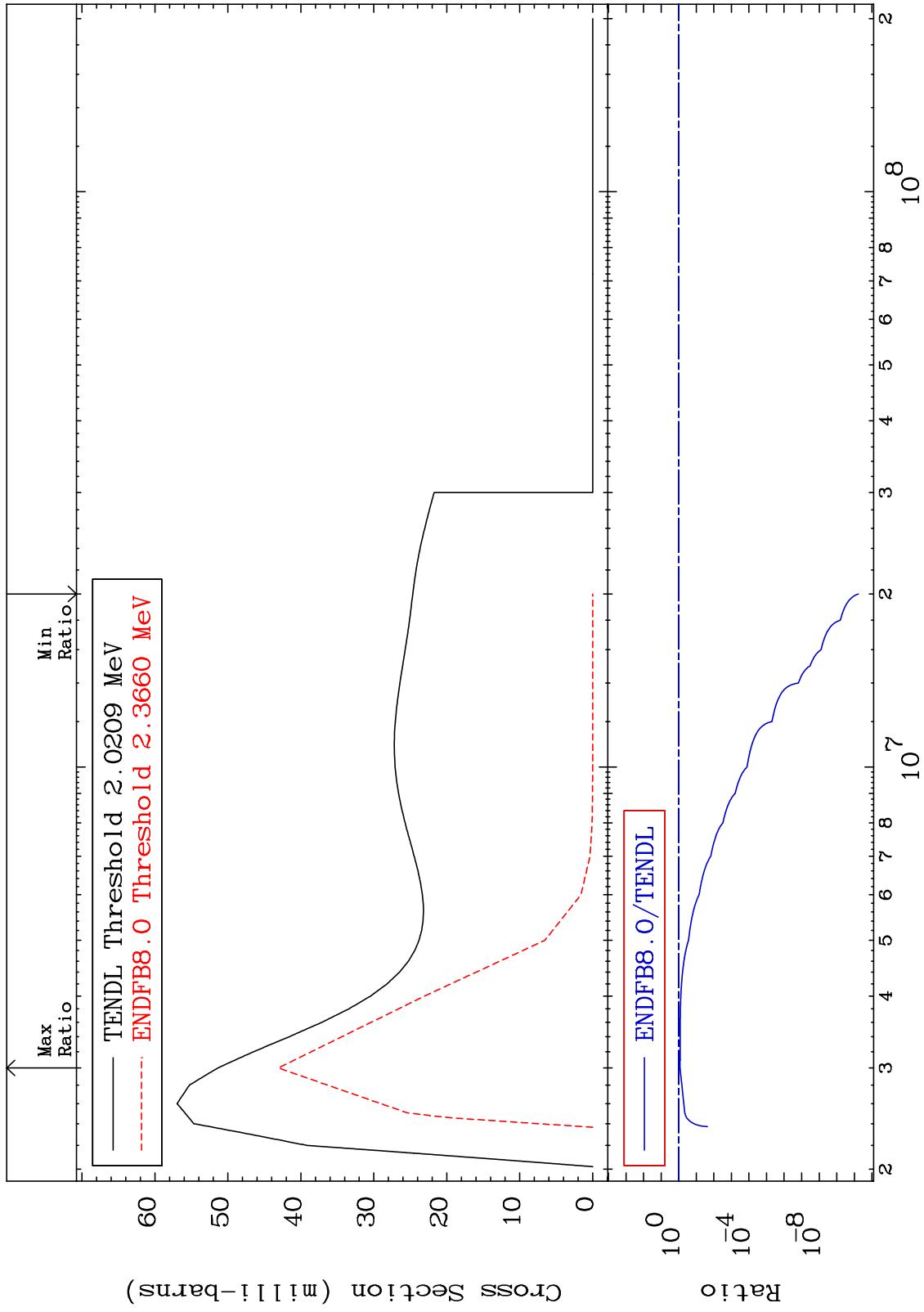
54-Xe-126
-99.79 To 115.1 %



MAT 5431

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

54-Xe-126
-100.0 To -16.11%



20

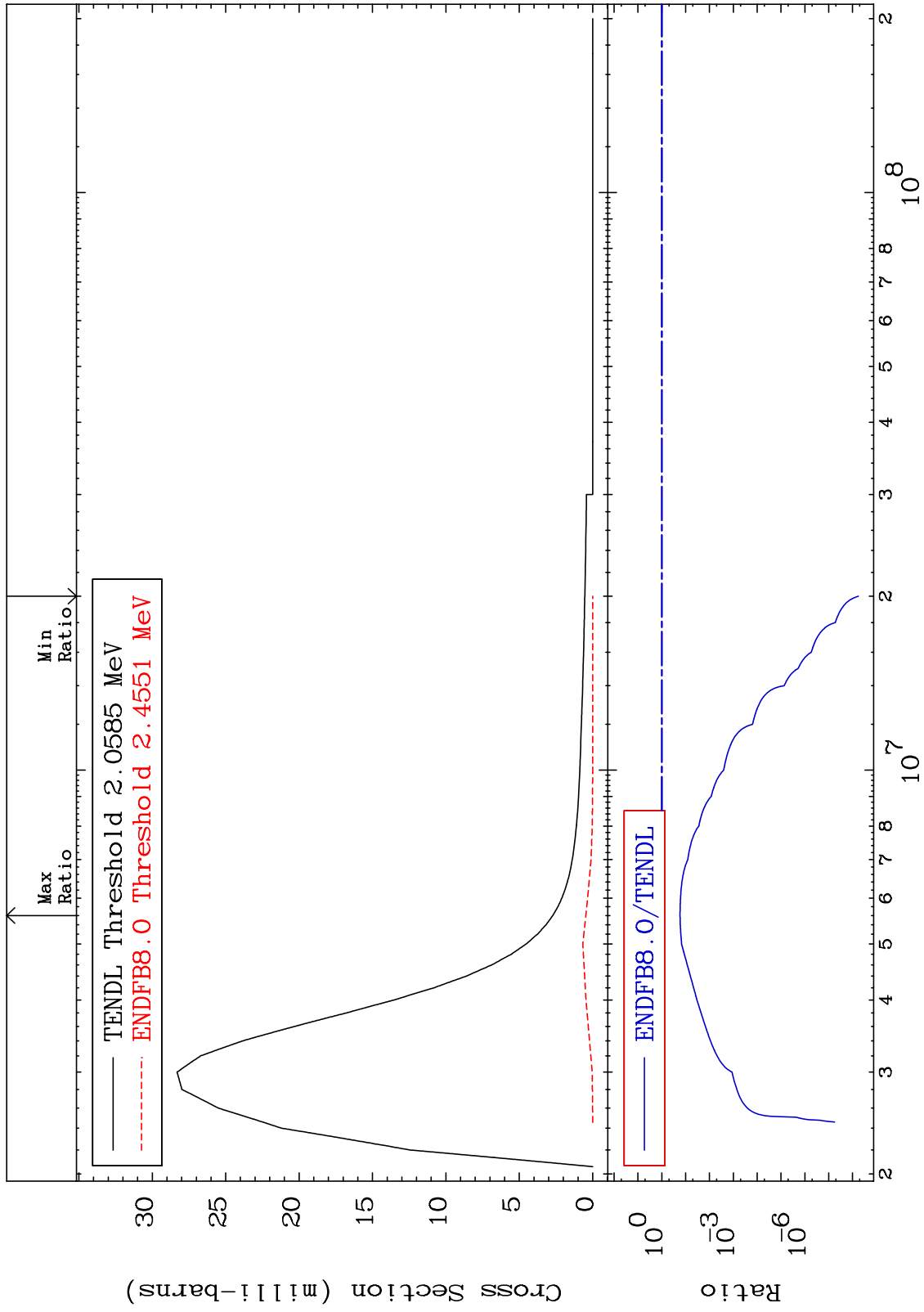
Incident Energy (eV)

54-Xe-126

MAT 5431

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

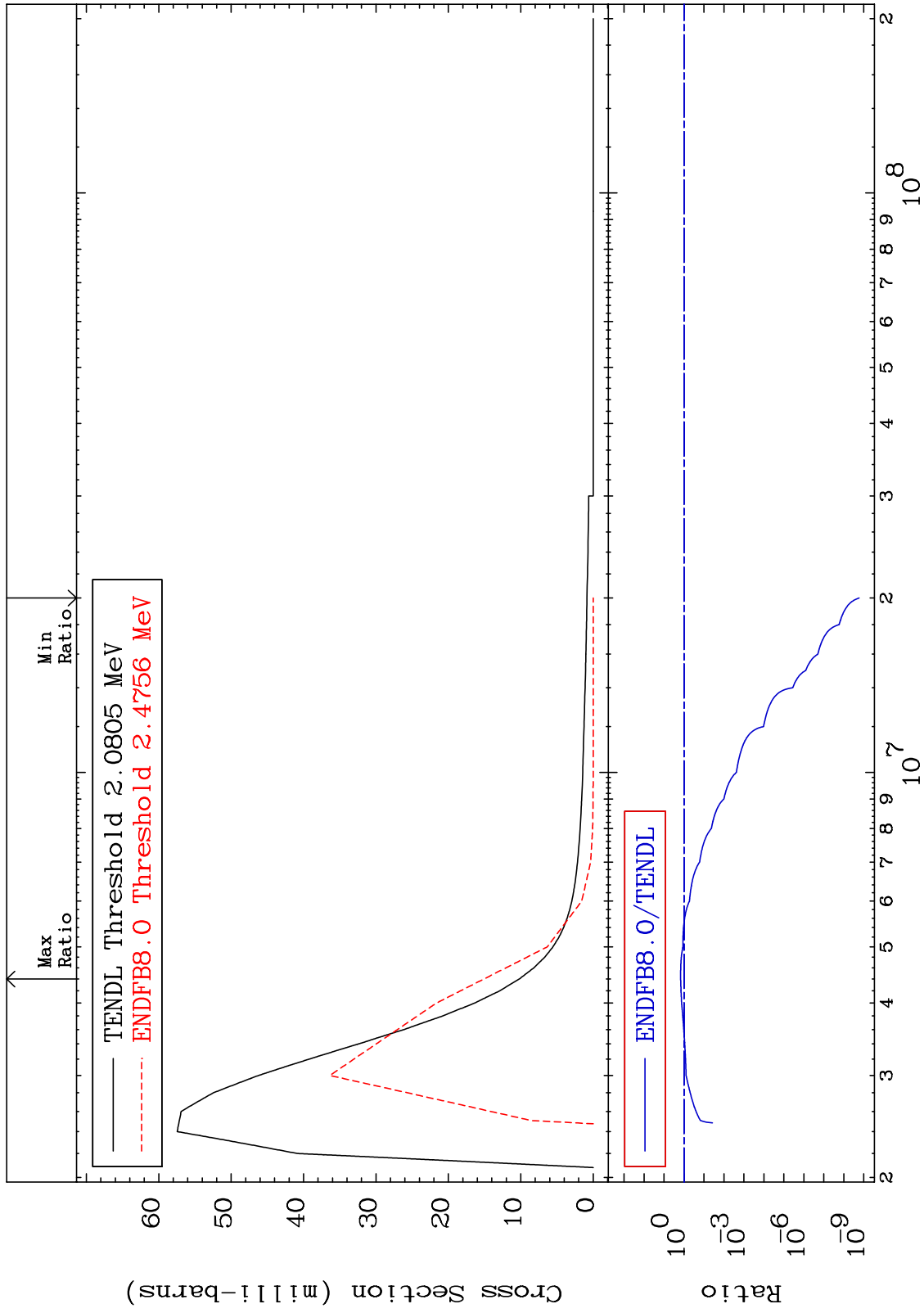
54-Xe-126
-100.0 To -82.77%



MAT 5431

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

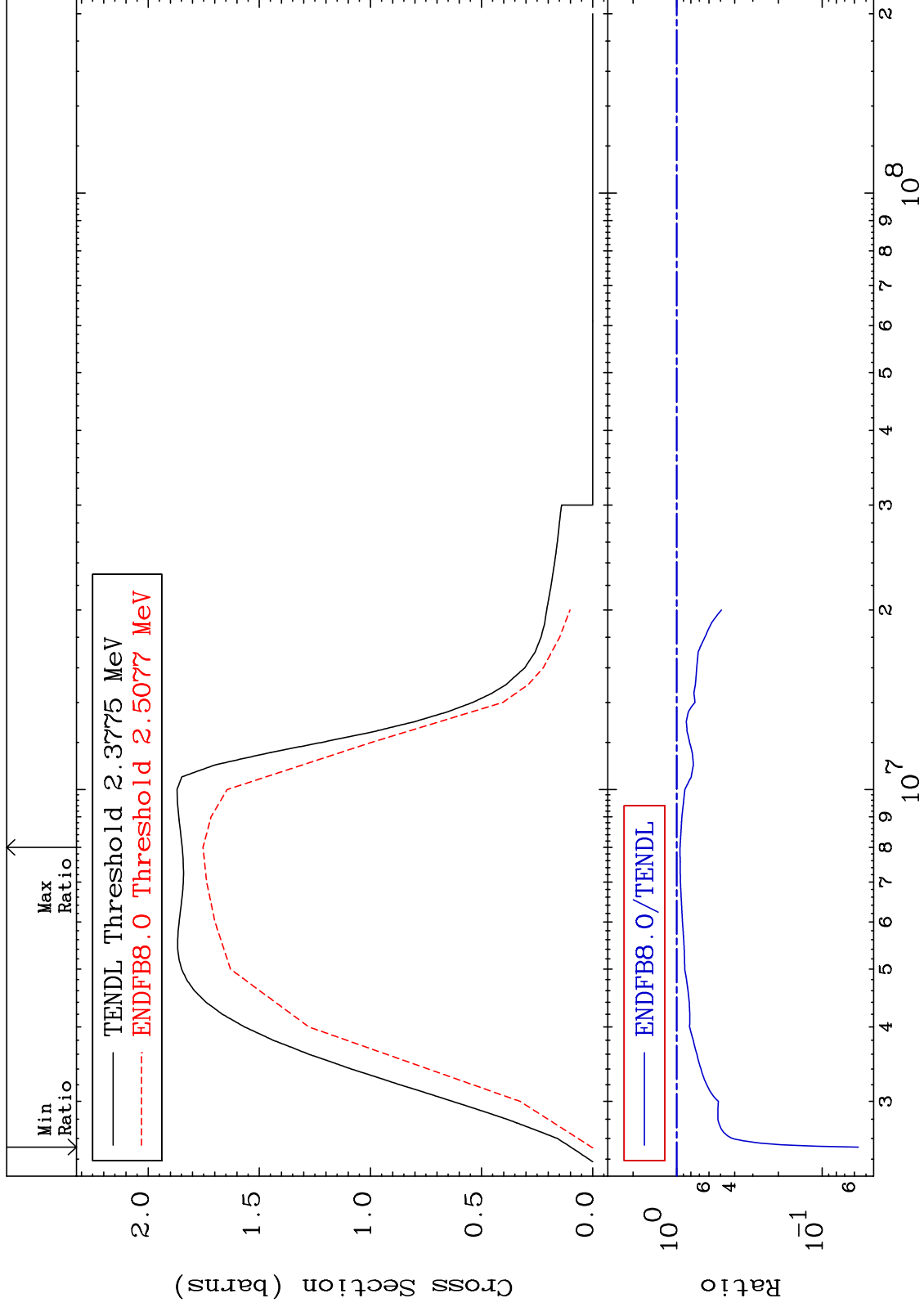
54-Xe-126
-100.0 To 47.94 %



MAT 5431

(n, n') Continuum
Cross Section

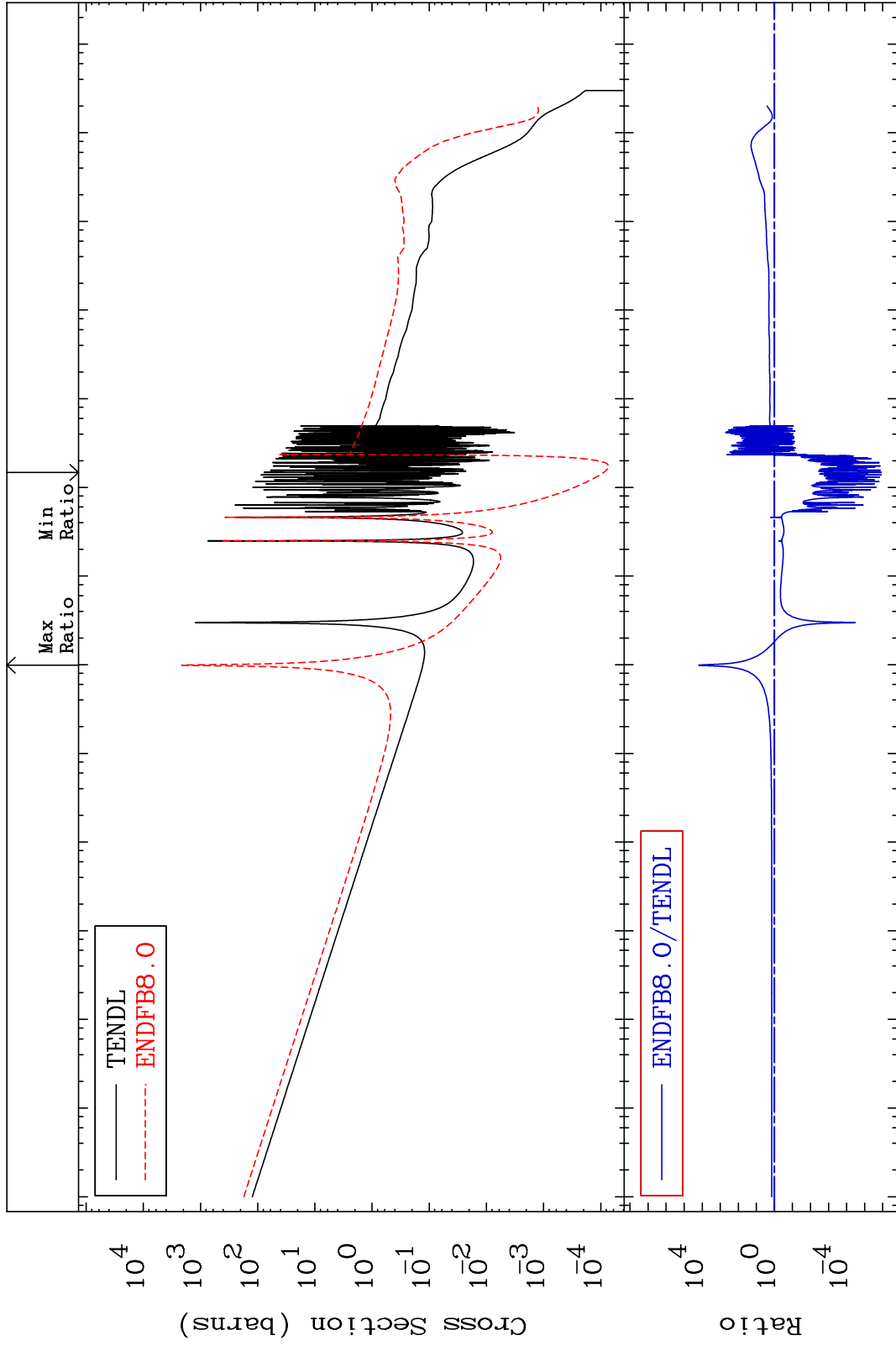
54-Xe-126
-94.37 To -5.075%



MAT 5431

(n, γ)
Cross Section

54-Xe-126
-100.0 To 9999. %



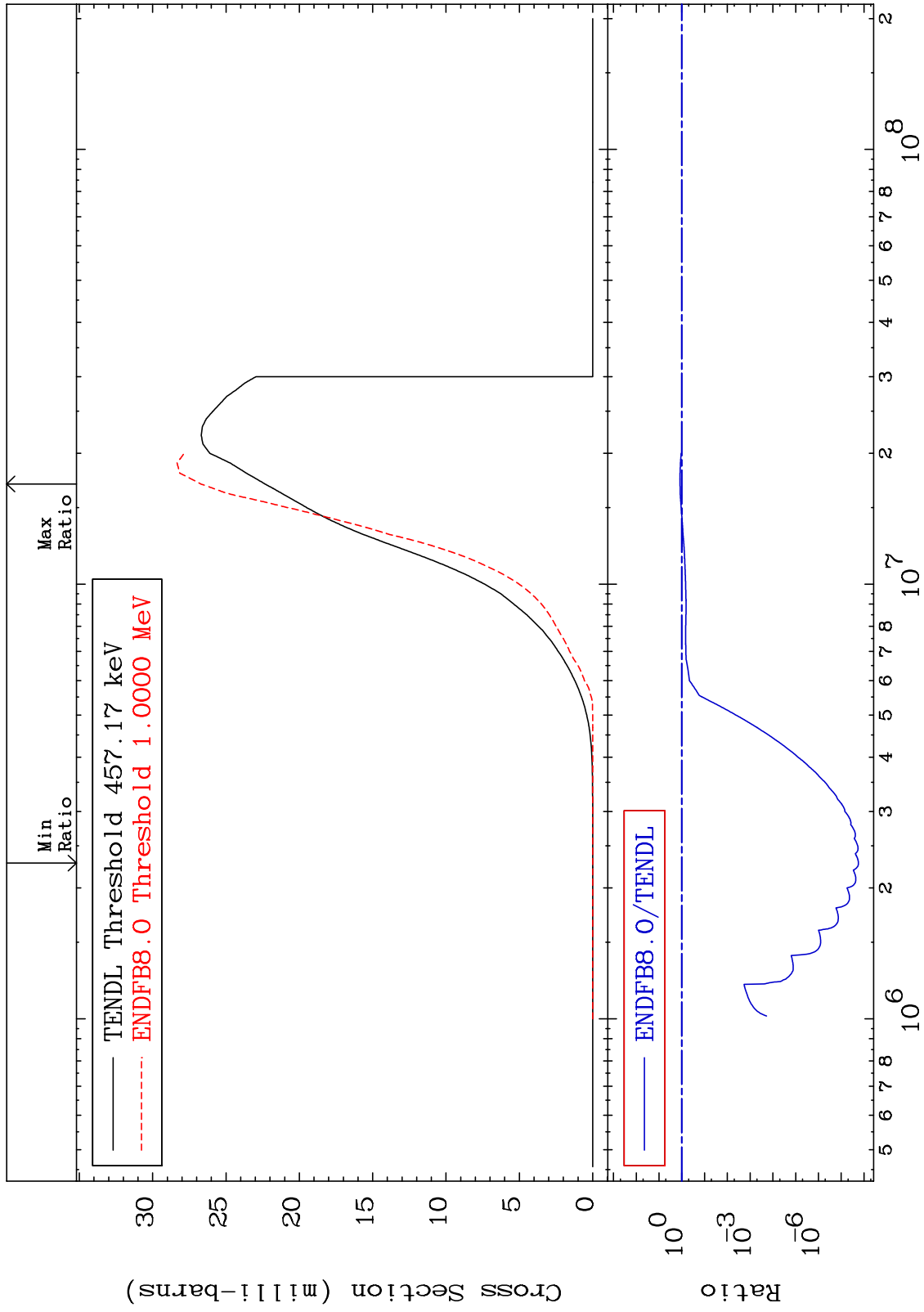
MAT 5431

(n, p)

54-Xe-126

Cross Section

-100.0 To 19.61 %



25

Incident Energy (eV)

54-Xe-126

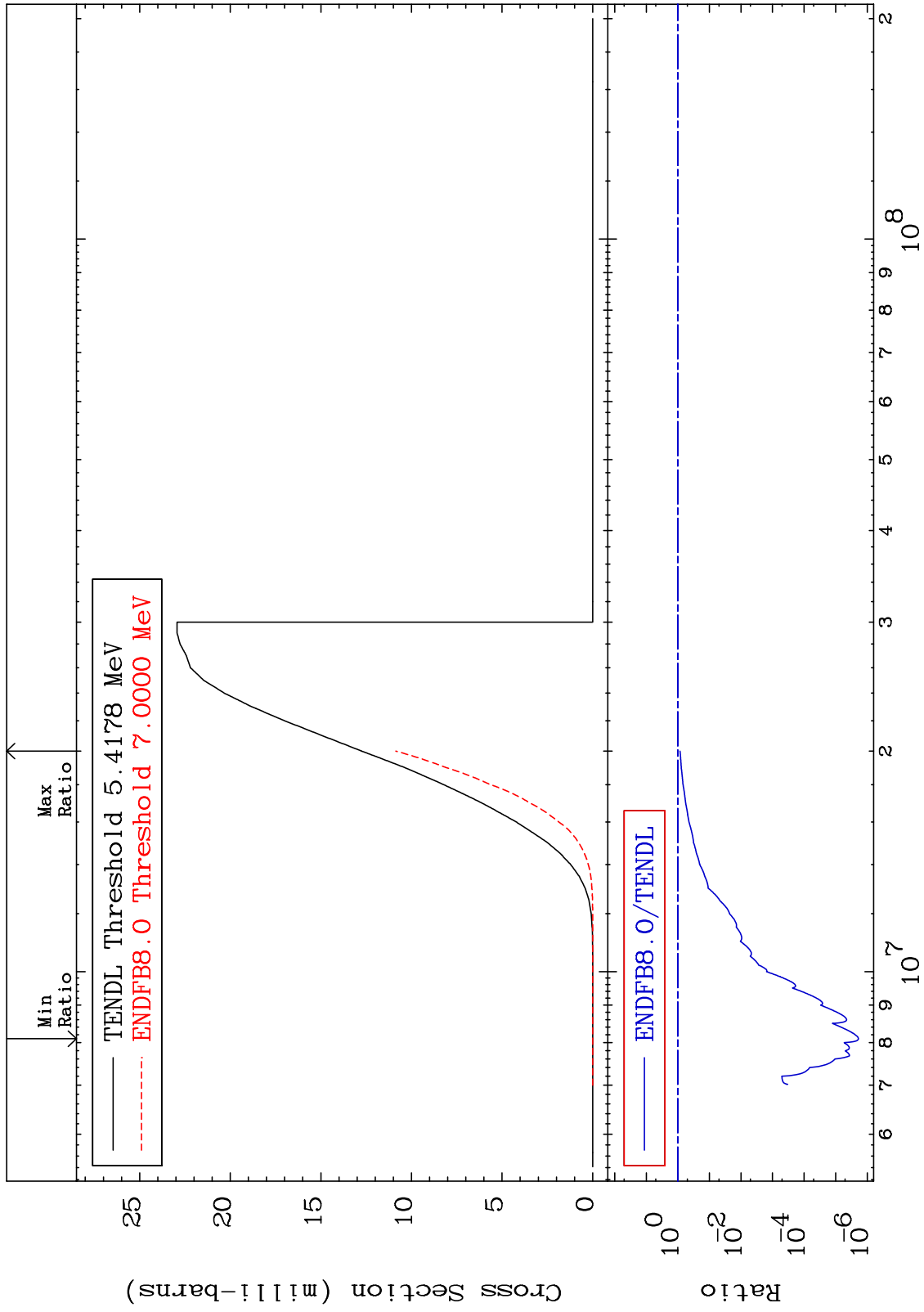
MAT 5431

(n, d)

54-Xe-126

Cross Section

-100.0 To -14.82%



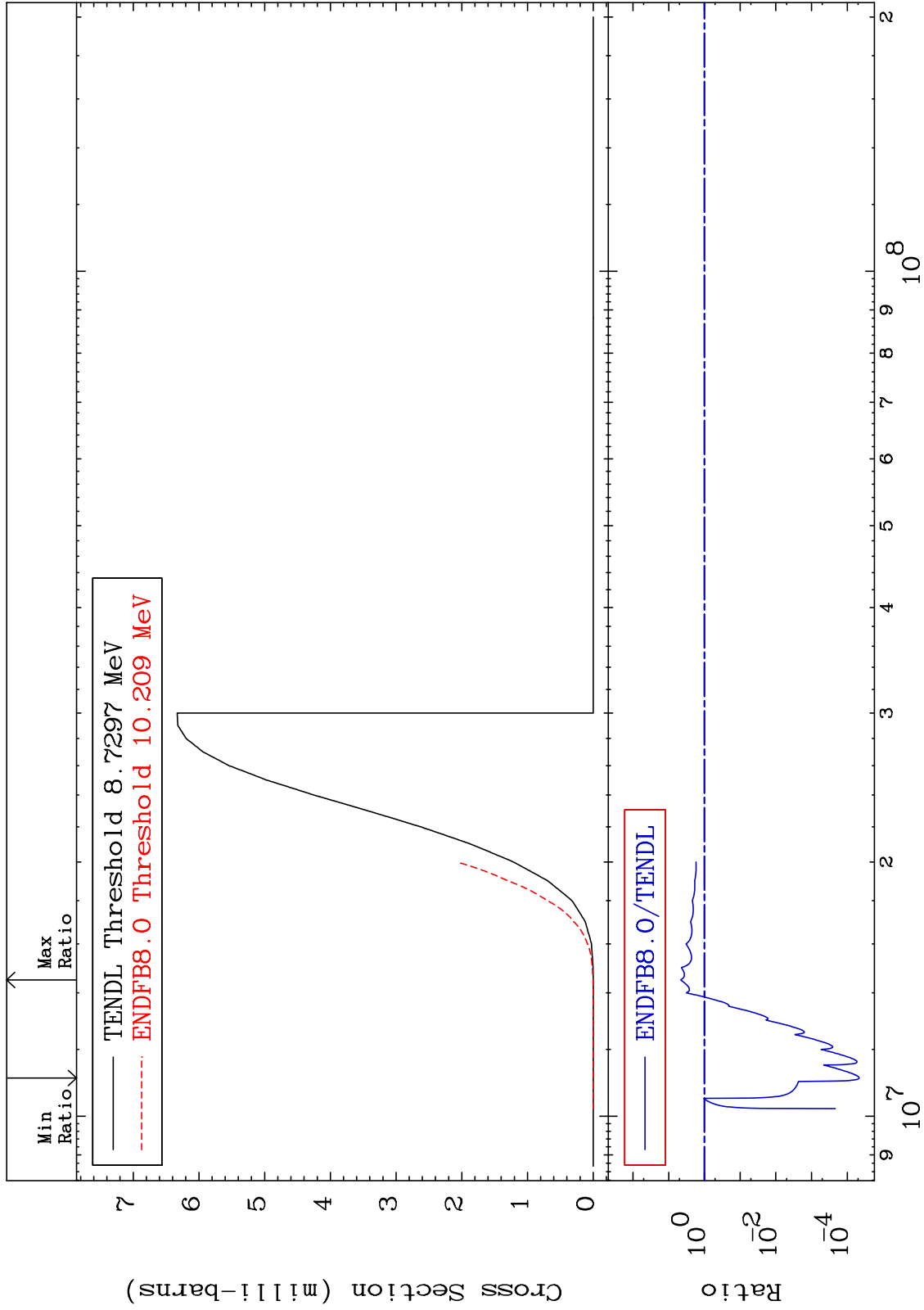
MAT 5431

(n, t)

54-Xe-126

Cross Section

-100.0 To 362.7 %



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Incident Energy (eV)

54-Xe-126

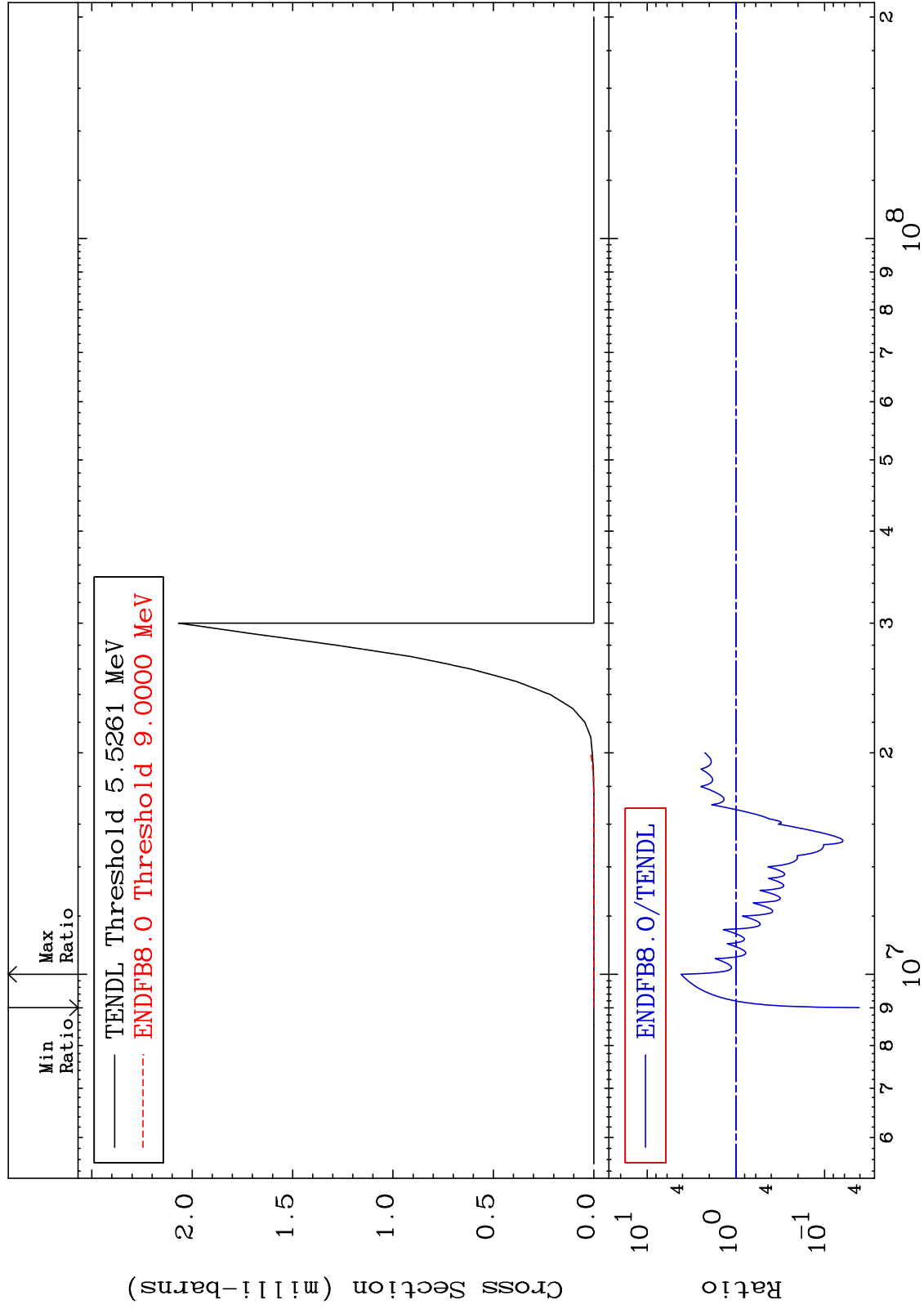
MAT 5431

(n, He-3)

54-Xe-126

Cross Section

-95.93 To 316.2 %



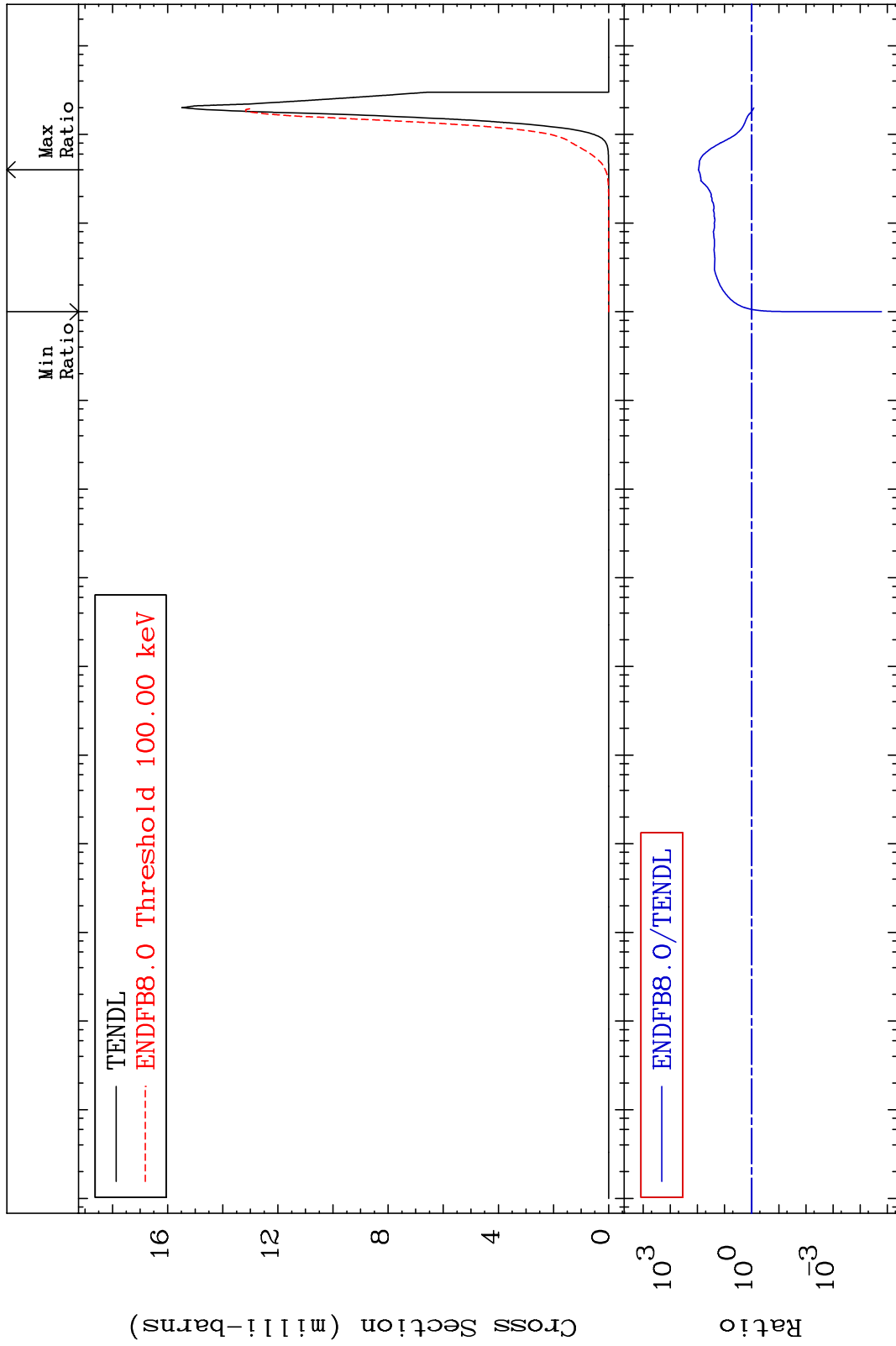
MAT 5431

(n, α)

54-Xe-126

Cross Section

-100.0 To 9188. %



29

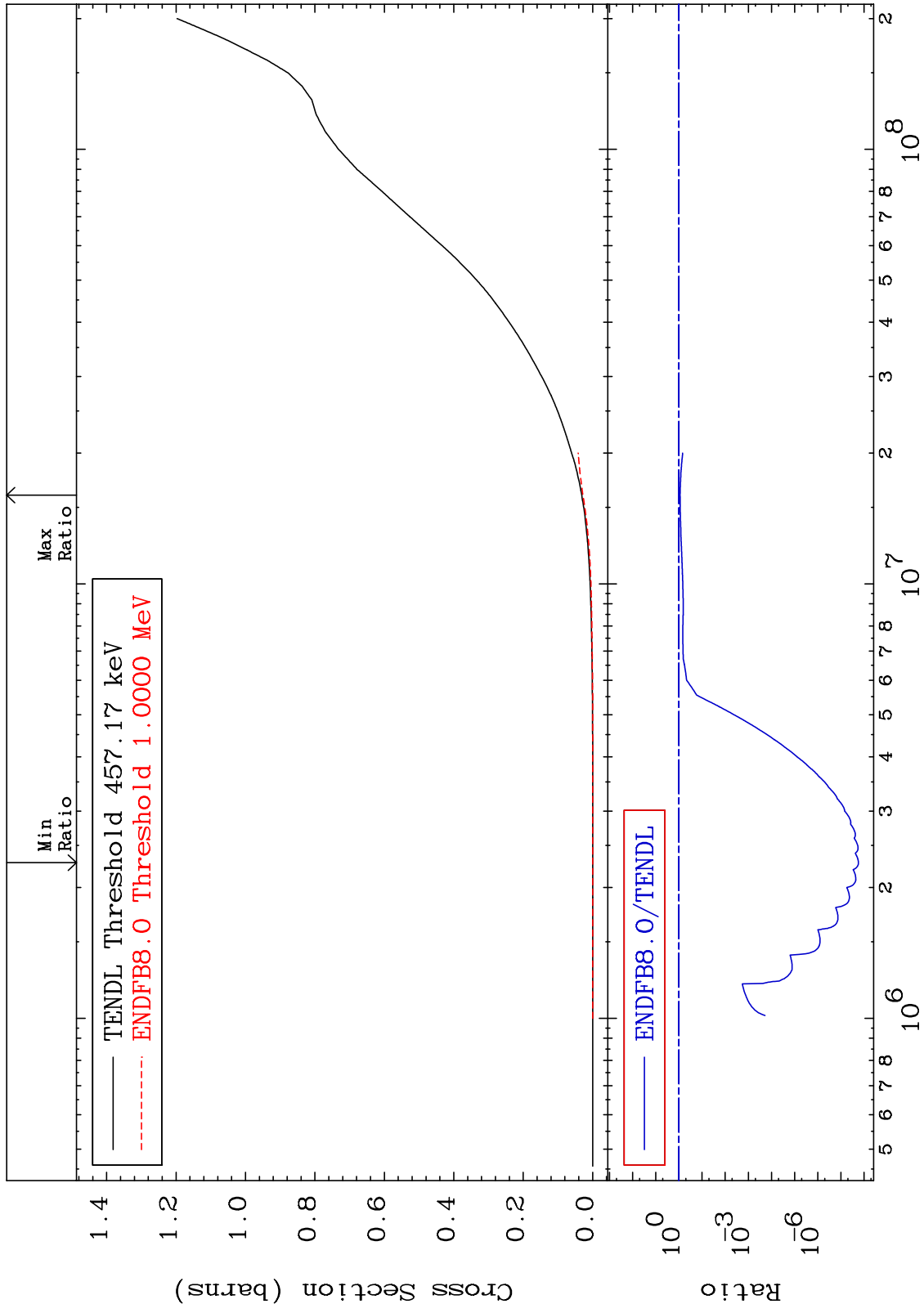
Incident Energy (eV)

54-Xe-126

MAT 5431

Hydrogen Production
Cross Section

54-Xe-126
-100.0 To -10.54%



30

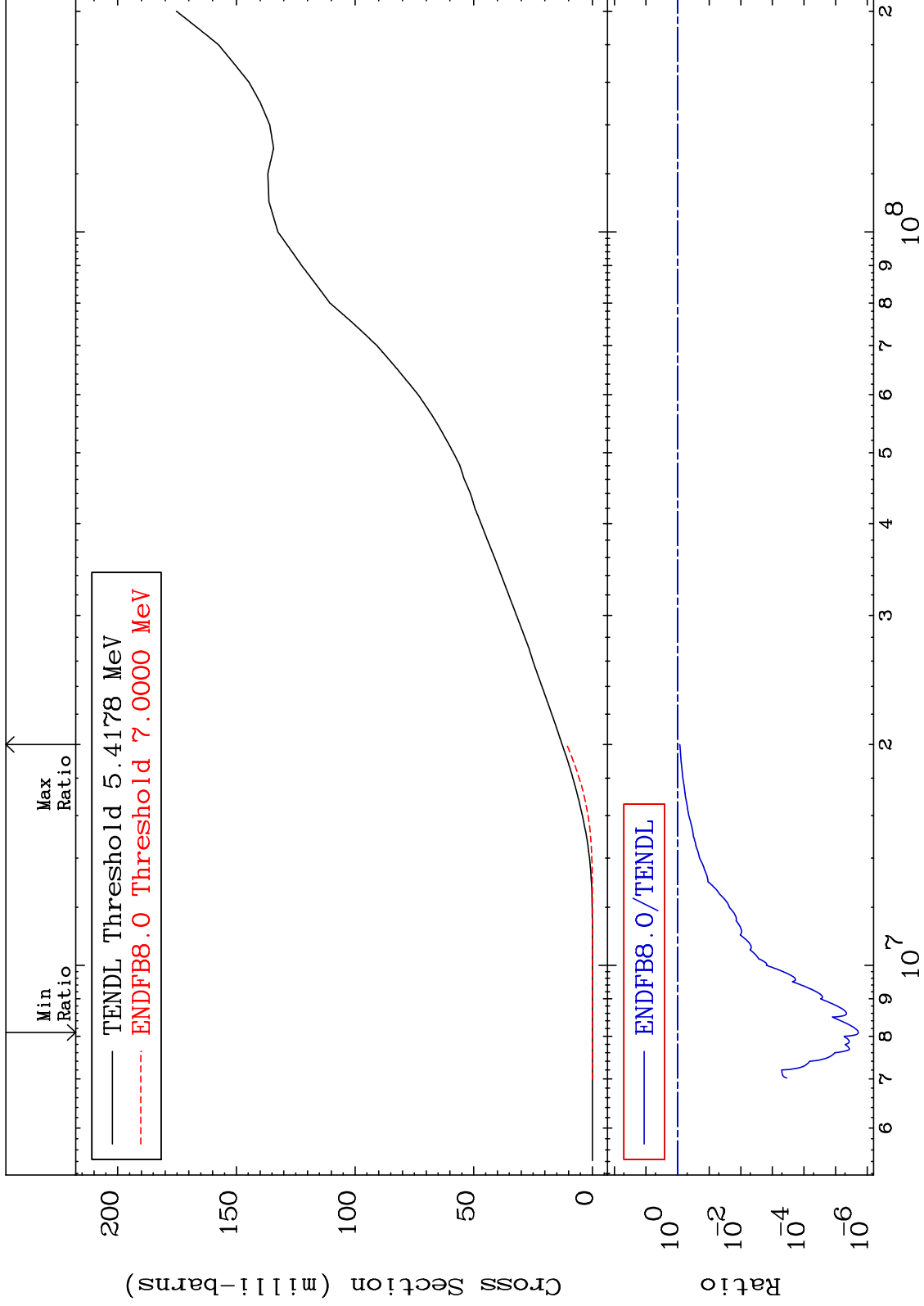
Incident Energy (eV)

54-Xe-126

MAT 5431

Deuterium Production
Cross Section

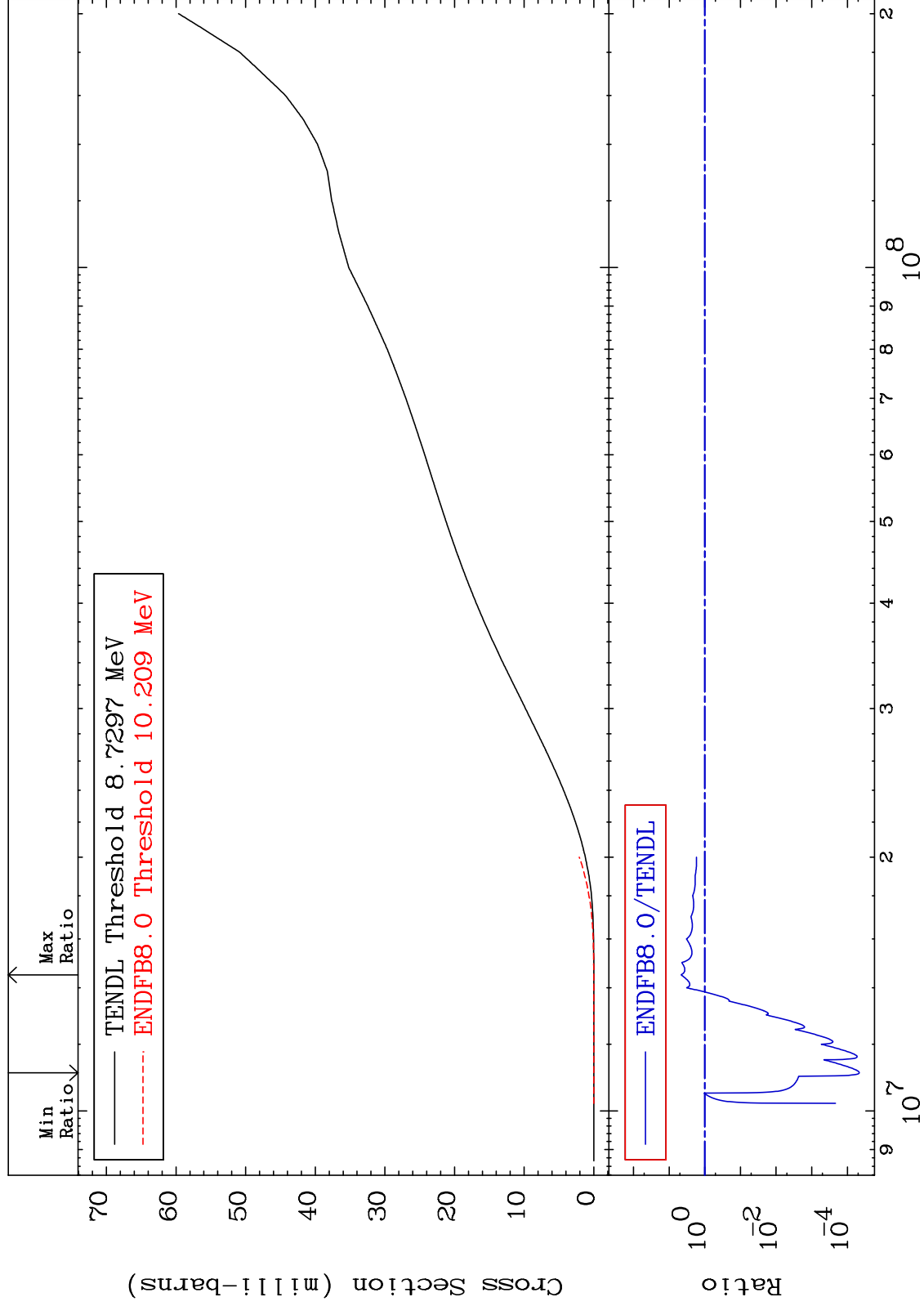
54-Xe-126
-100.0 To -14.83%



MAT 5431

Tritium Production
Cross Section

54-Xe-126
-100.0 To 362.7 %



32

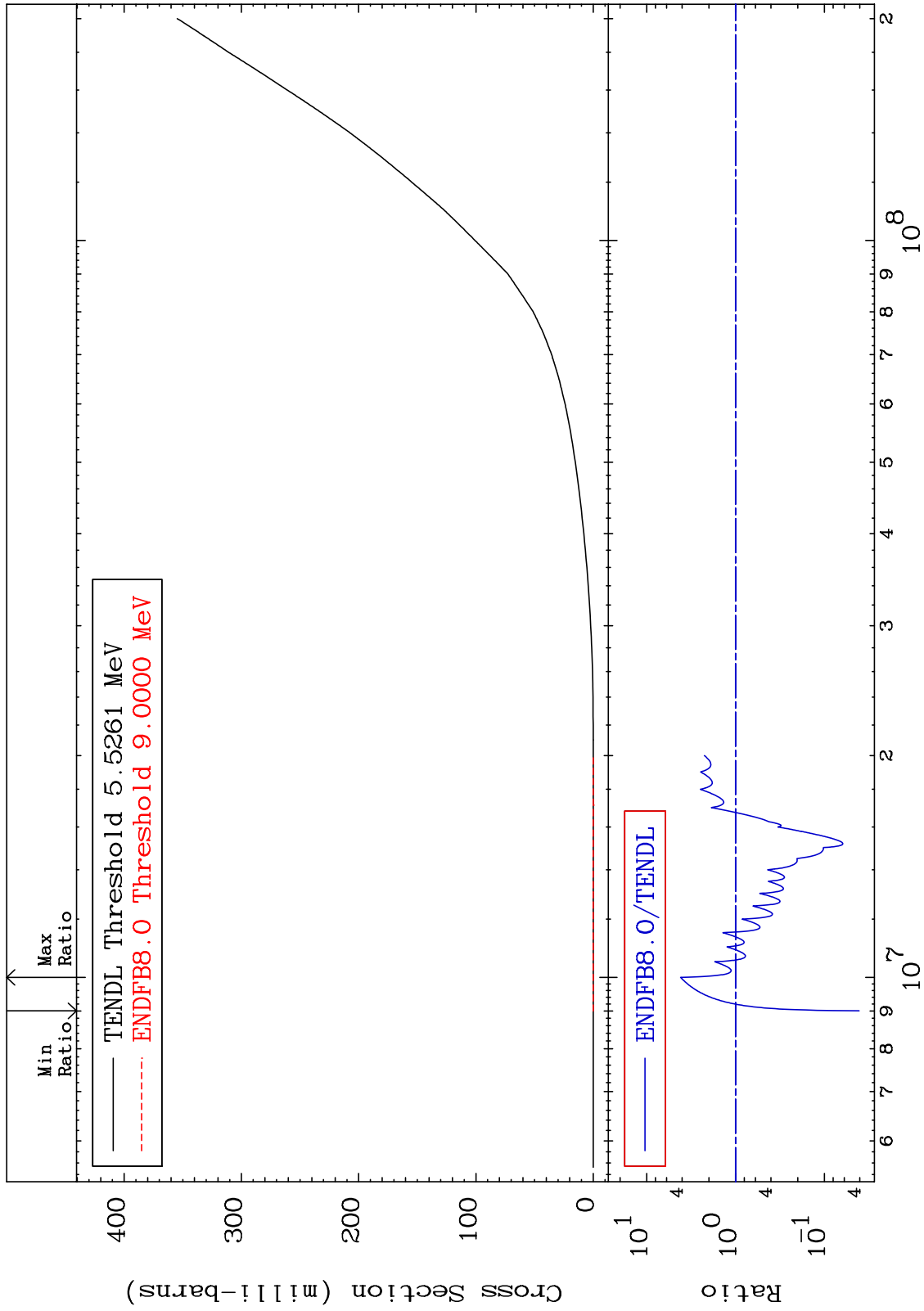
Incident Energy (eV)

54-Xe-126

MAT 5431

He-3 Production
Cross Section

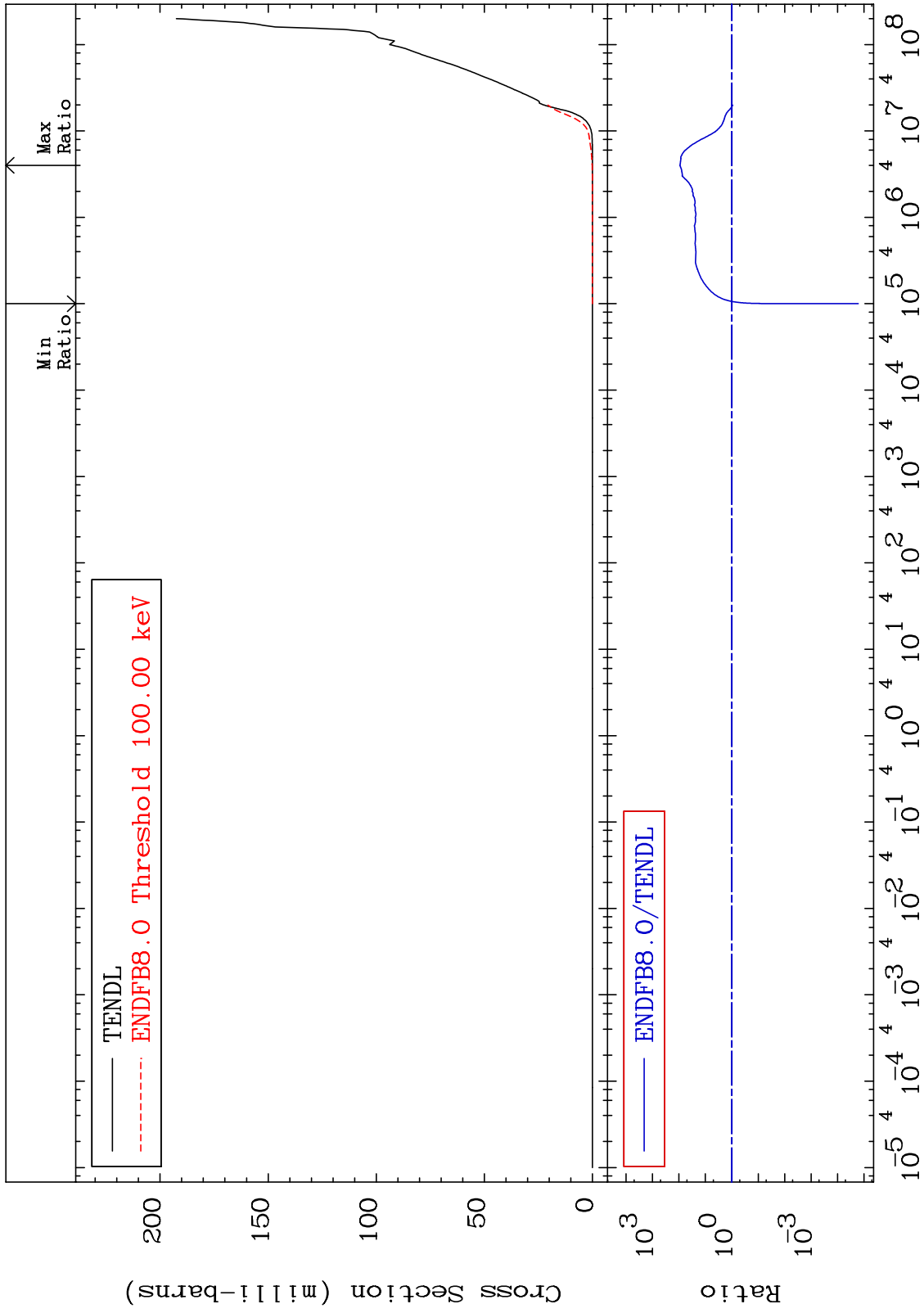
54-Xe-126
-95.93 To 316.2 %



MAT 5431

He-4 Production
Cross Section

54-Xe-126
-100.0 To 9188. %



34

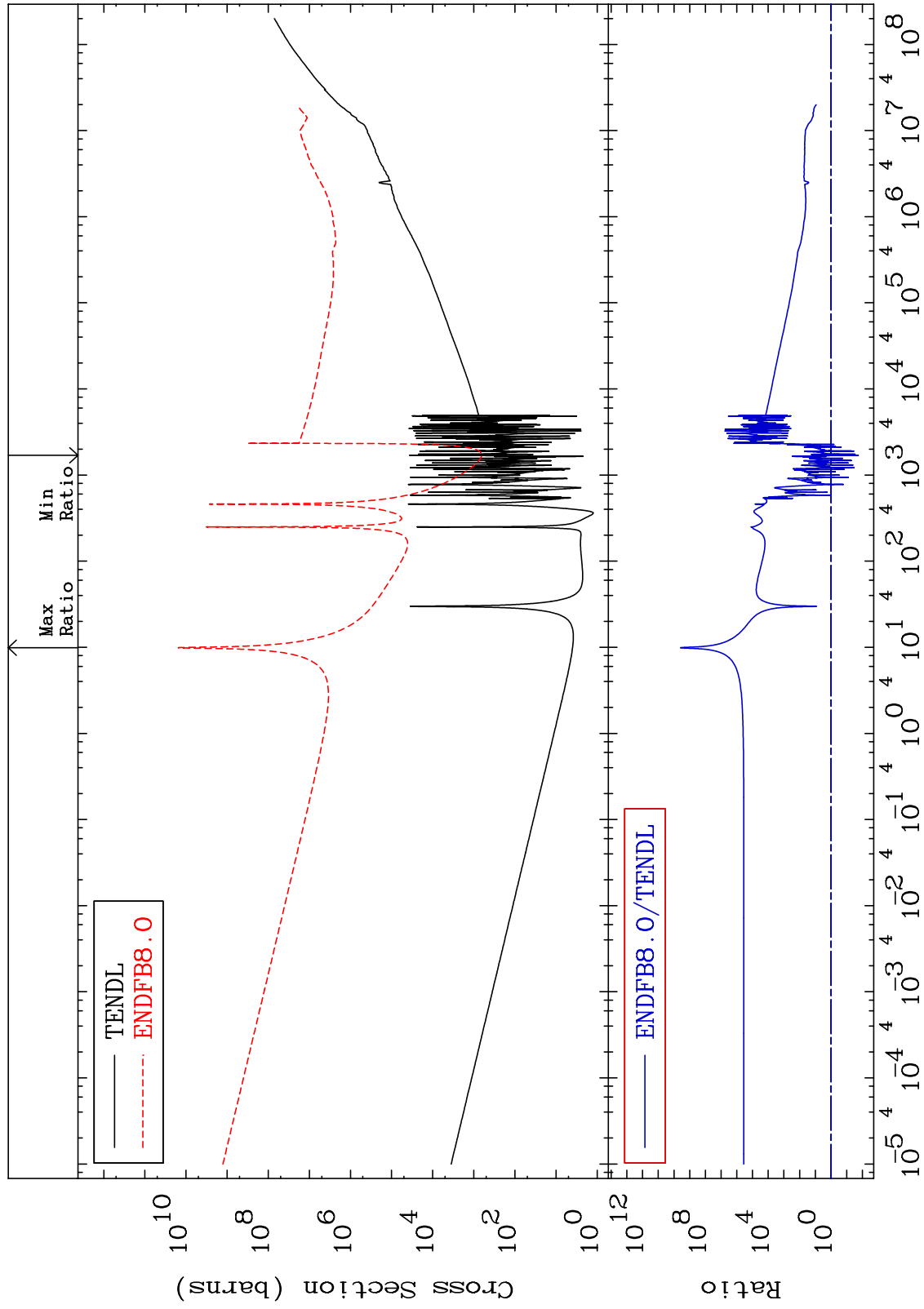
Incident Energy (eV)

54-Xe-126

MAT 5431

Kerma total (eV-barns)
Cross Section

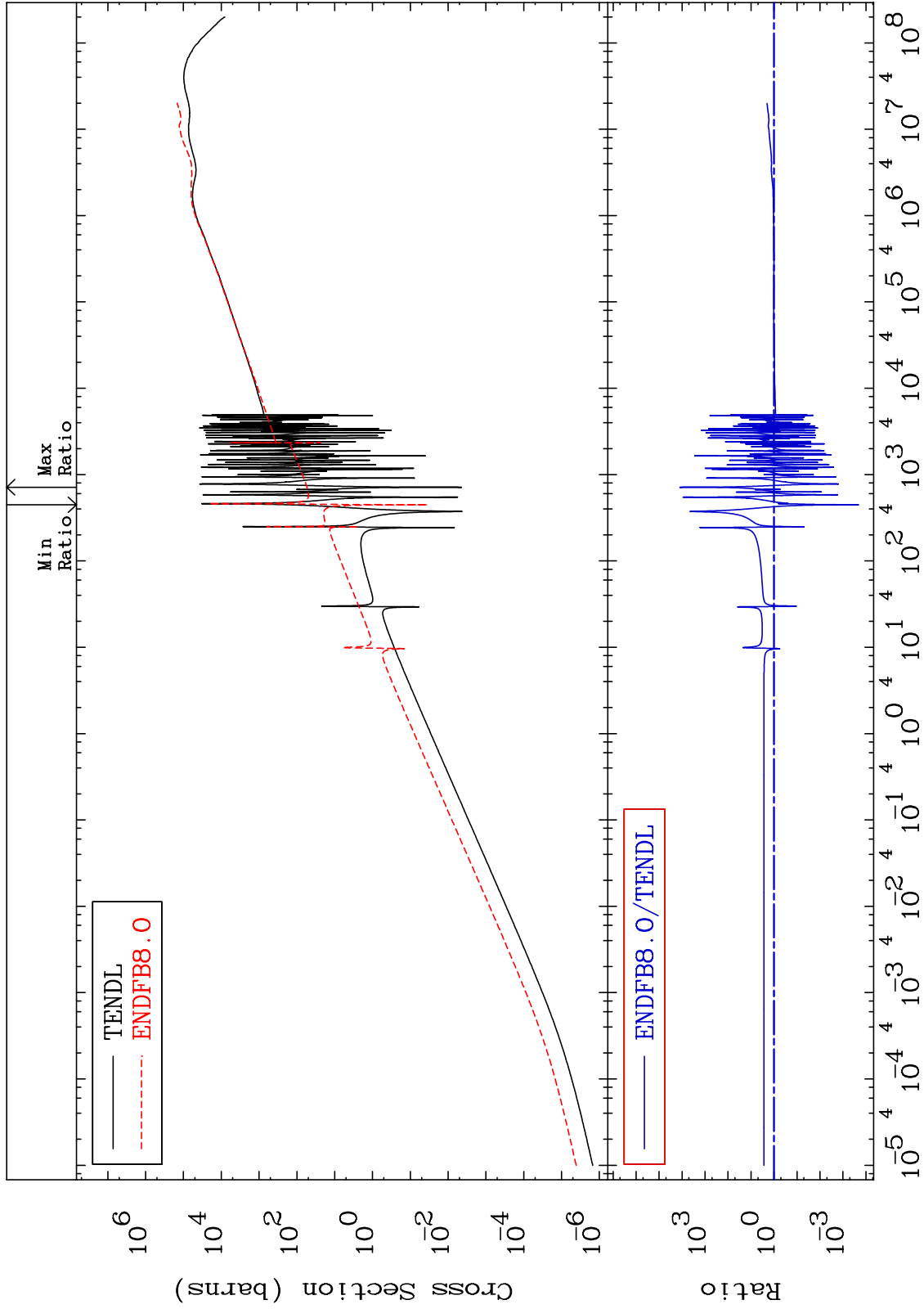
54-Xe-126
-98.23 To 9999. %



MAT 5431

Kerma elastic
Cross Section

54-Xe-126
-99.98 To 9999. %



36

Incident Energy (eV)

54-Xe-126

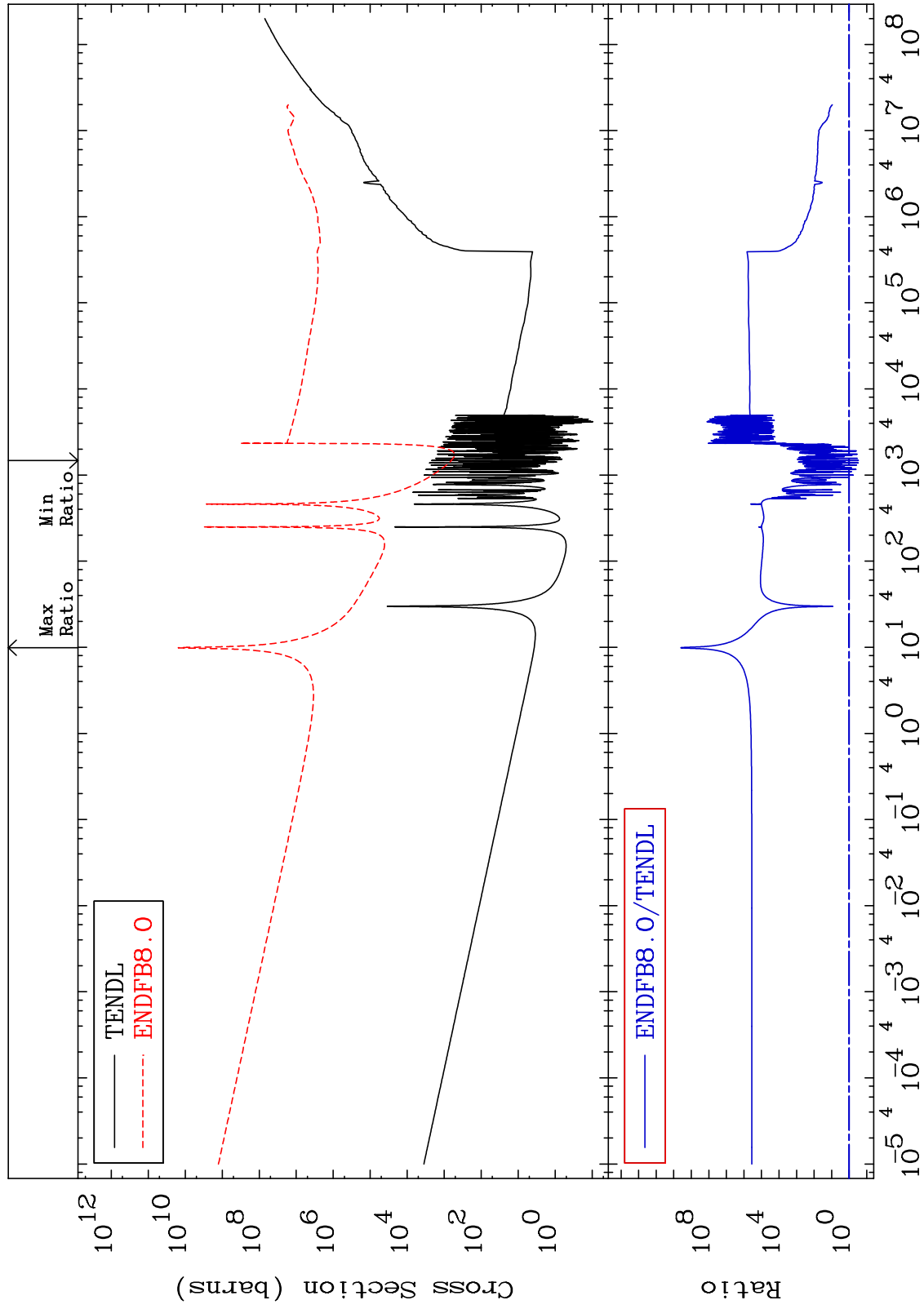
MAT 5431

Kerma non-elastic (all but mt2)

54-Xe-126

-70.72 To 9999. %

Cross Section



37

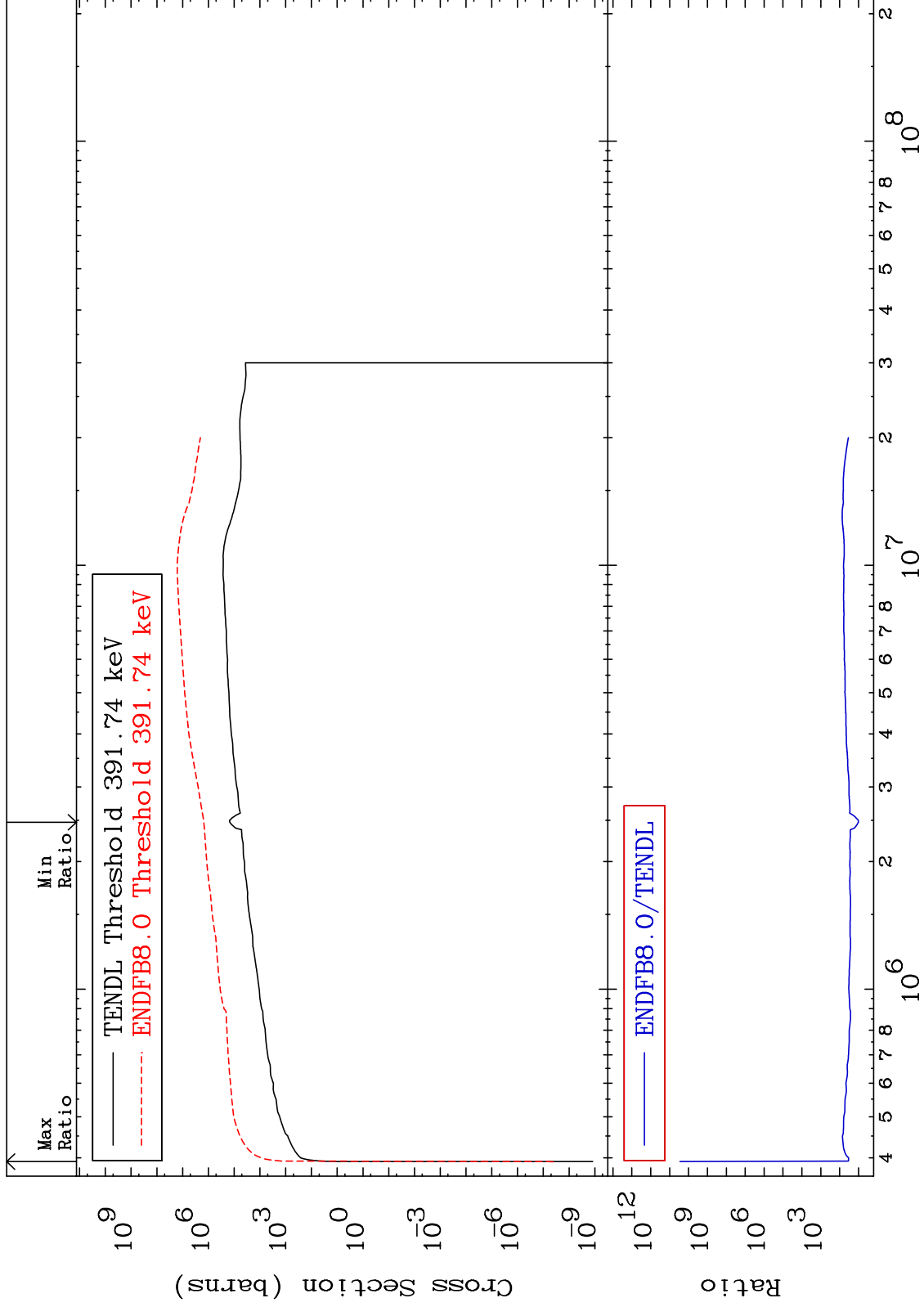
Incident Energy (eV)

54-Xe-126

MAT 5431

Kerma inelastic (mt51-91)
Cross Section

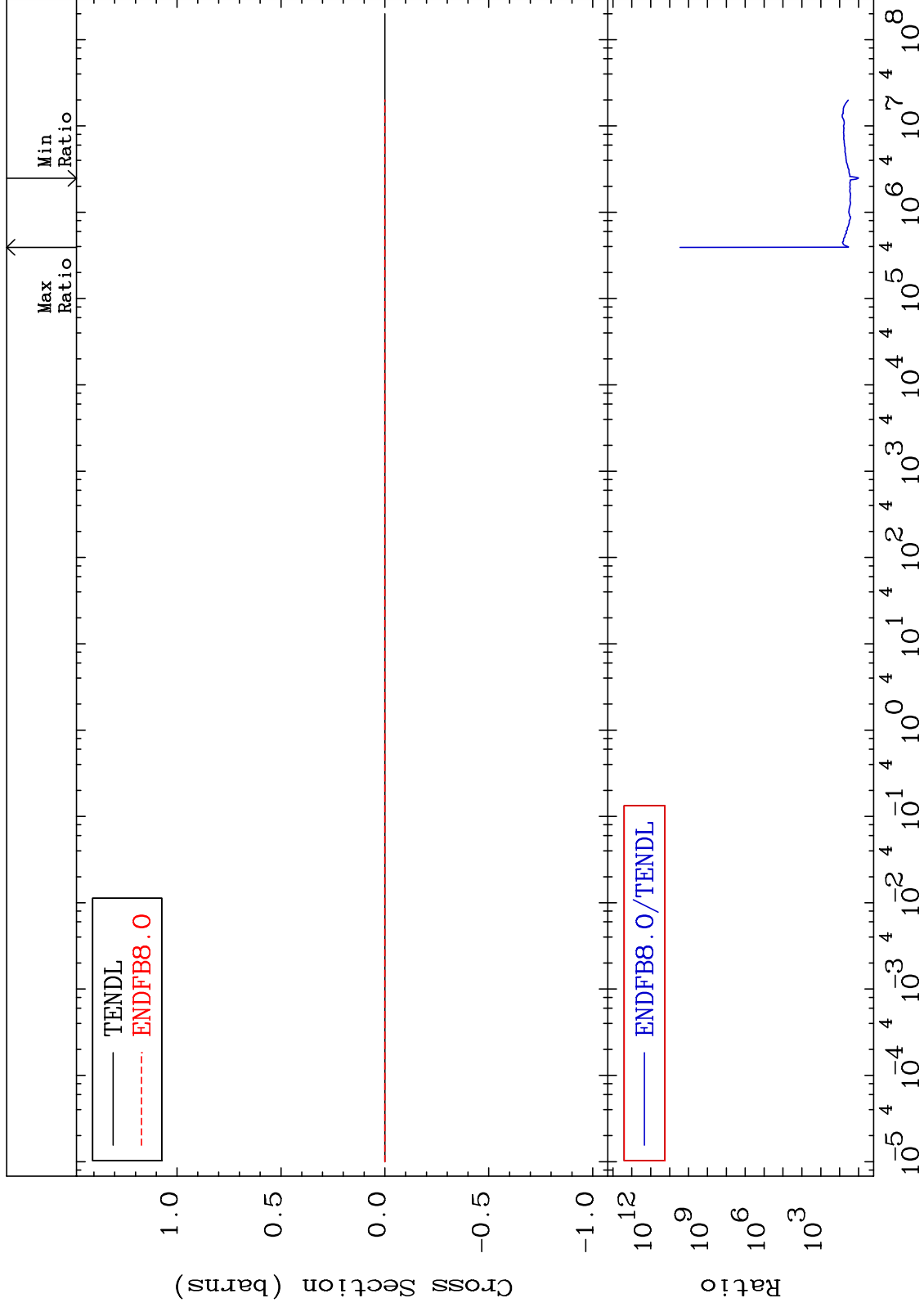
54-Xe-126
914.5 To 9999. %



MAT 5431

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

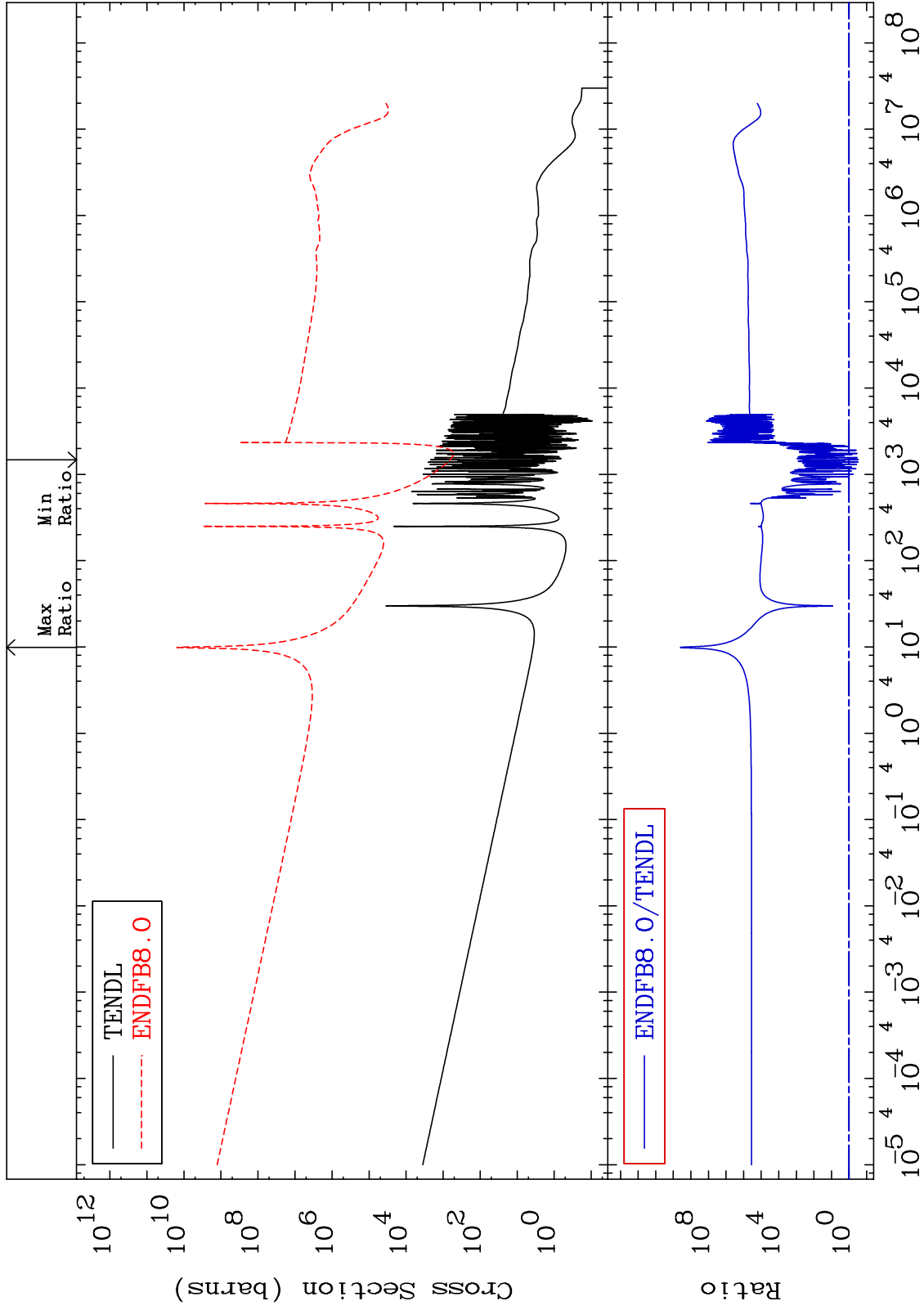
54-Xe-126
914.5 To 9999. %



MAT 5431

Kerma capture (mt102)
Cross Section

54-Xe-126
-70.72 To 9999. %



40

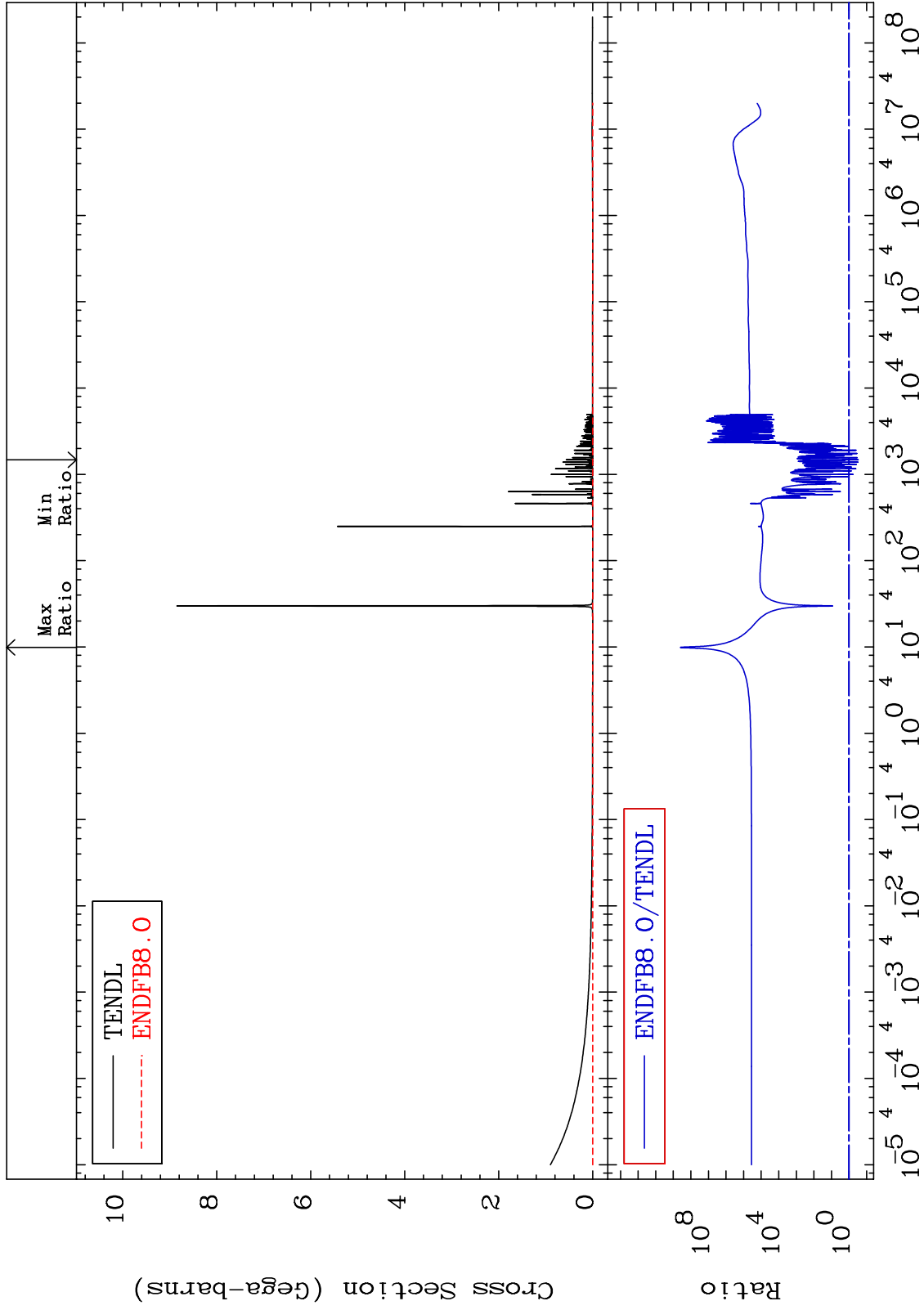
Incident Energy (eV)

54-Xe-126

MAT 5431

Total photon (eV-barns)
Cross Section

54-Xe-126
-70.72 To 9999. %



41

Incident Energy (eV)

54-Xe-126

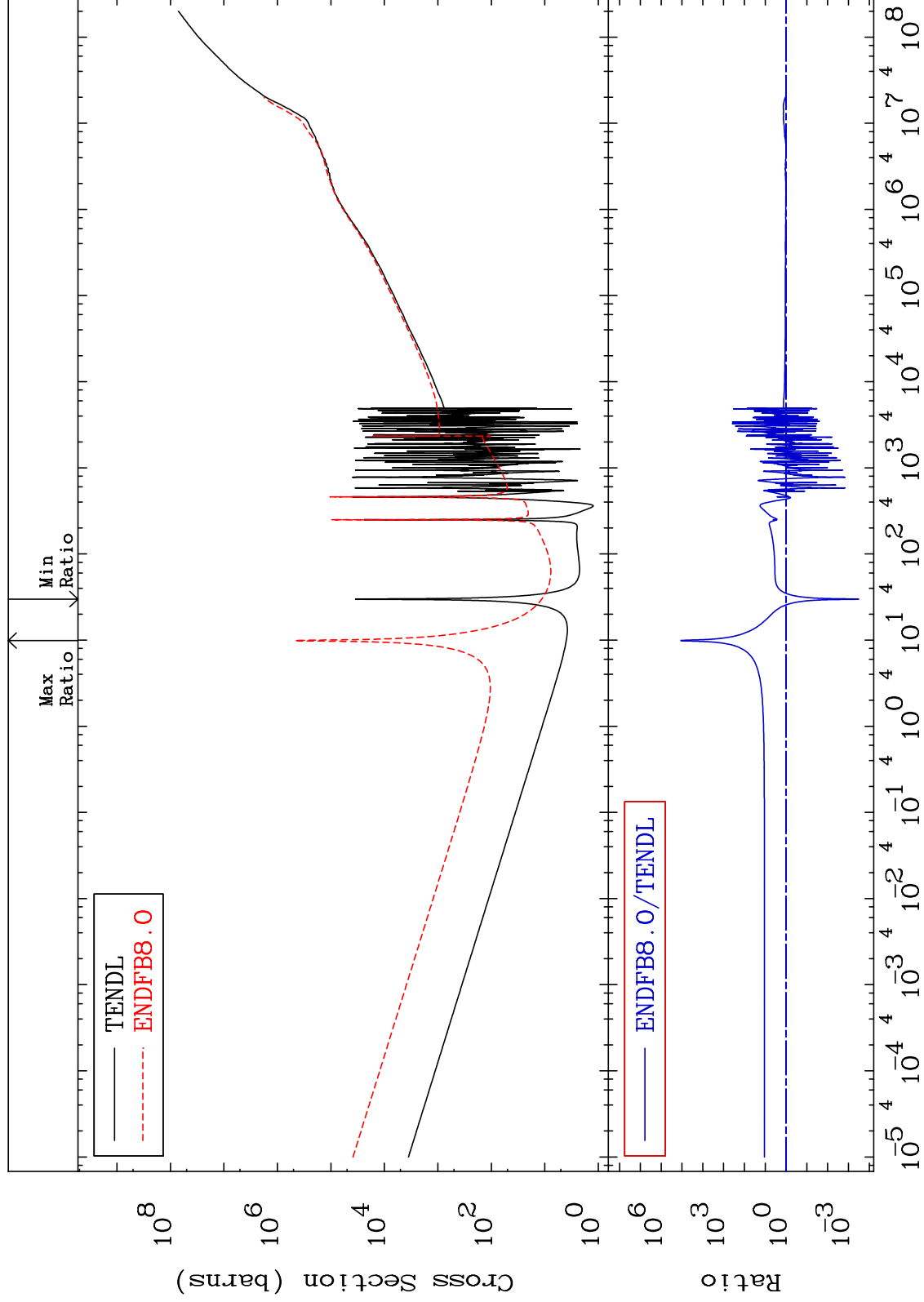
MAT 5431

Total kinematic kerma (high limit)

54-Xe-126

-99.97 To 9999. %

Cross Section



42

Incident Energy (eV)

54-Xe-126

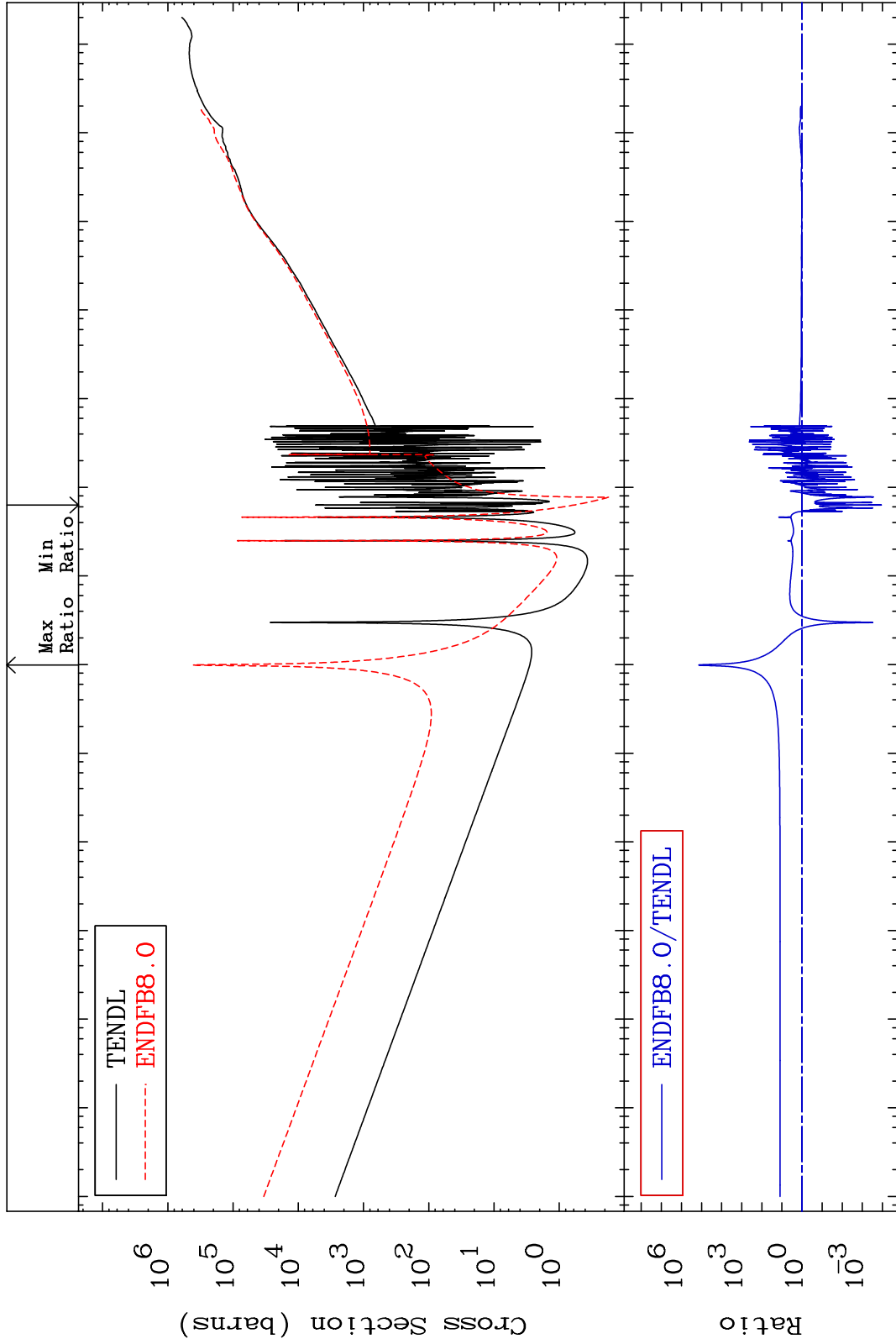
MAT 5431

Dpa total (eV-barns)

54-Xe-126

-99.99 To 9999. %

Cross Section



Ratio

10⁶
10³
10⁰
10⁻³

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

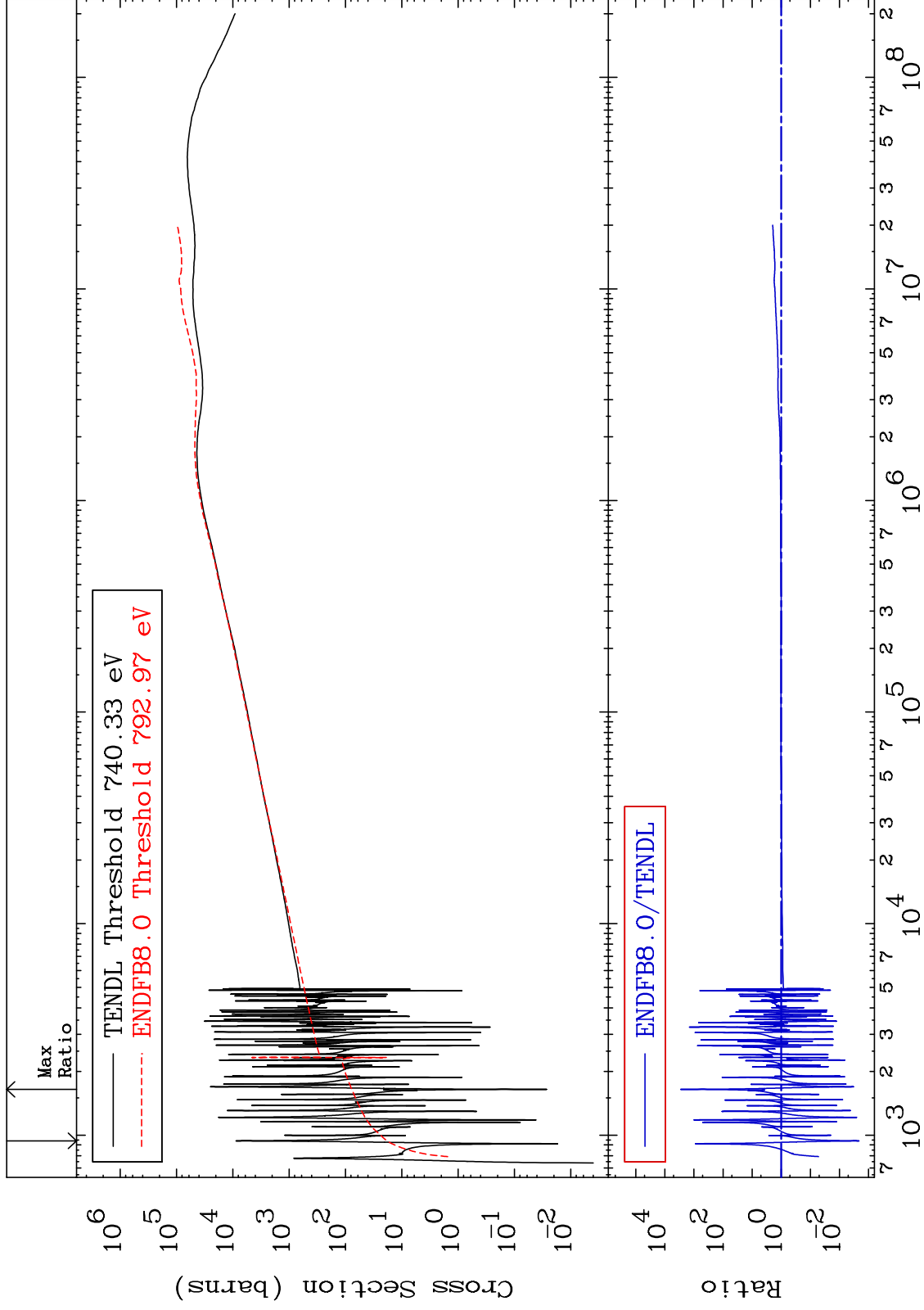
Incident Energy (eV)

54-Xe-126

MAT 5431

Dpa elastic (mt2)
Cross Section

54-Xe-126
-99.79 To 9999. %



44

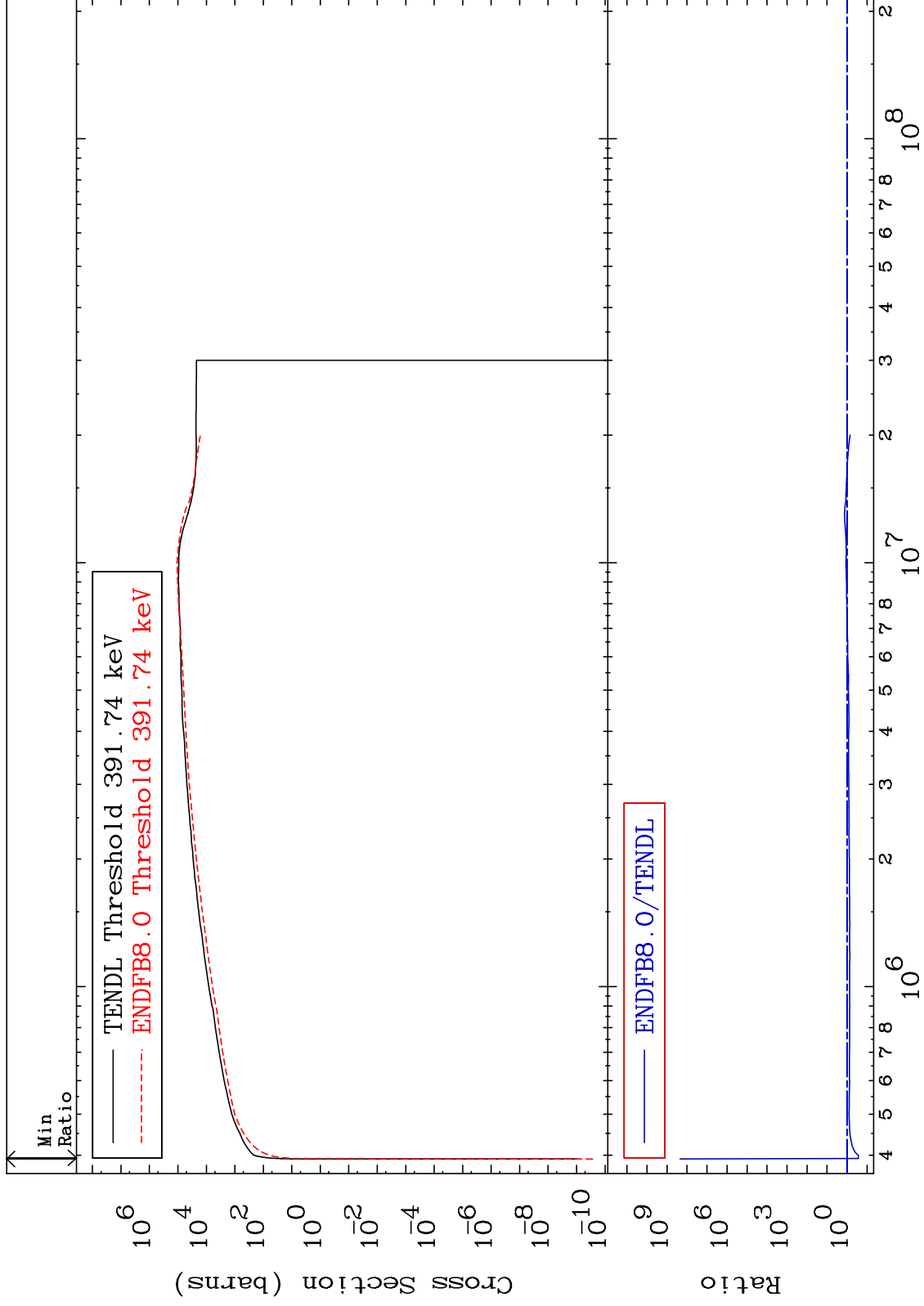
Incident Energy (eV)

54-Xe-126

MAT 5431

Dpa inelastic (mt51-91)
Cross Section

54-Xe-126
-72.91 To 9999. %



MAT 5431

Dpa disappearance (mt102 -120)

54-Xe-126

-100.0 To 9999. %

Cross Section

