

Program Complot
(Version 2018-1)

by

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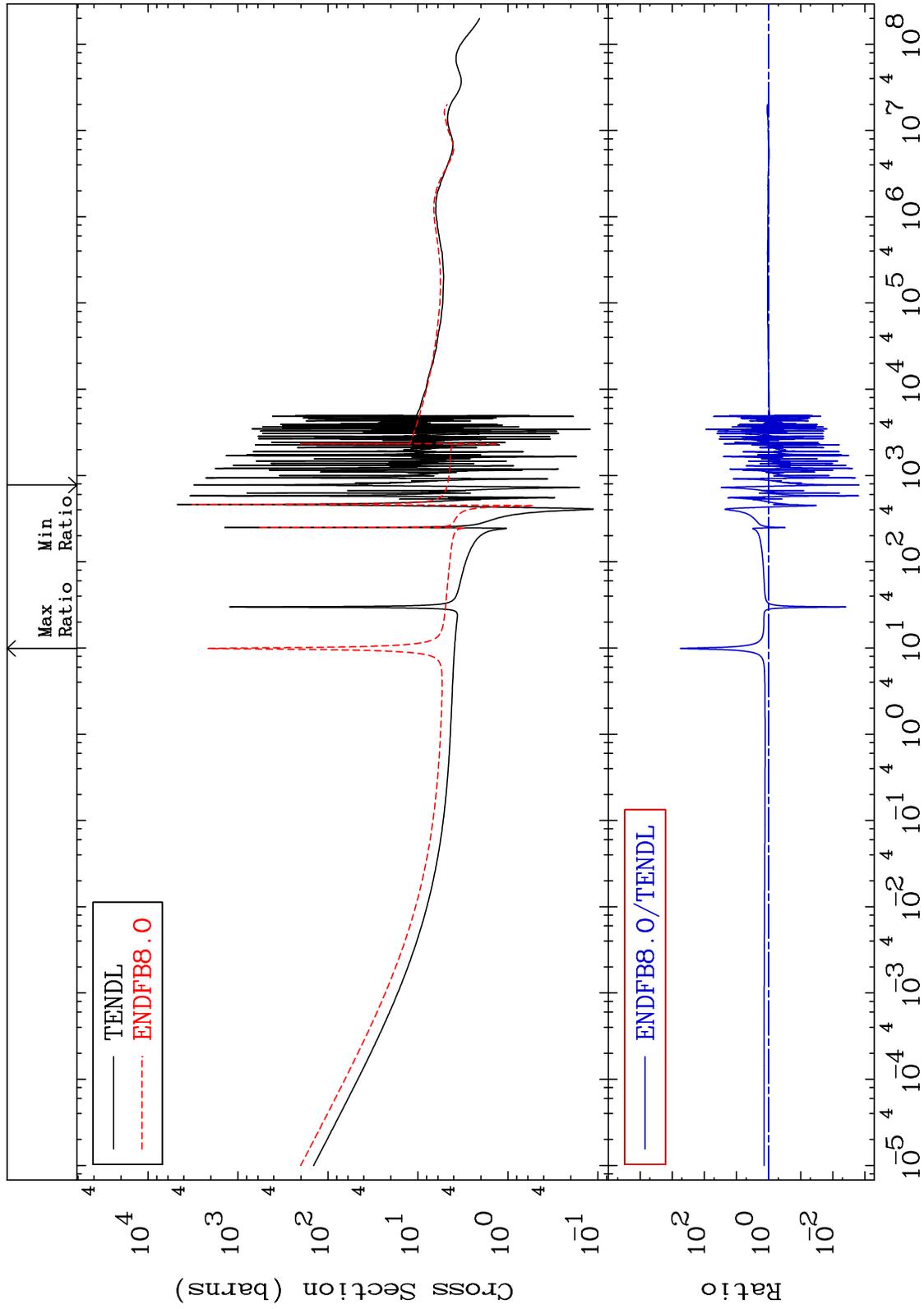
Press Mouse Button to Start

MAT 5431

Total
Cross Section

54-Xe-126

-99.85 To 9999. %



1

54-Xe-126

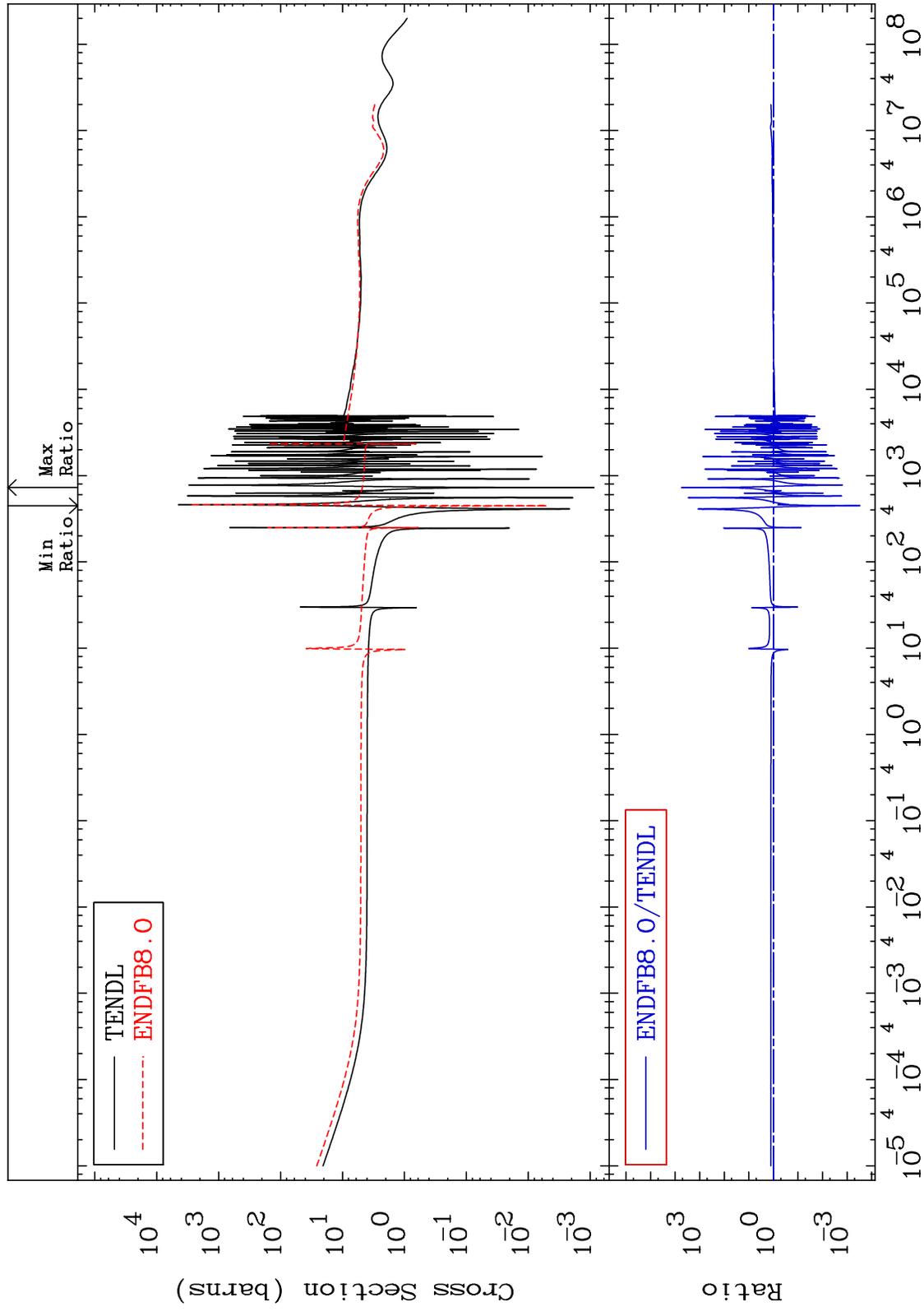
MAT 5431

Elastic

Cross Section

54-Xe-126

-99.97 To 9999. %

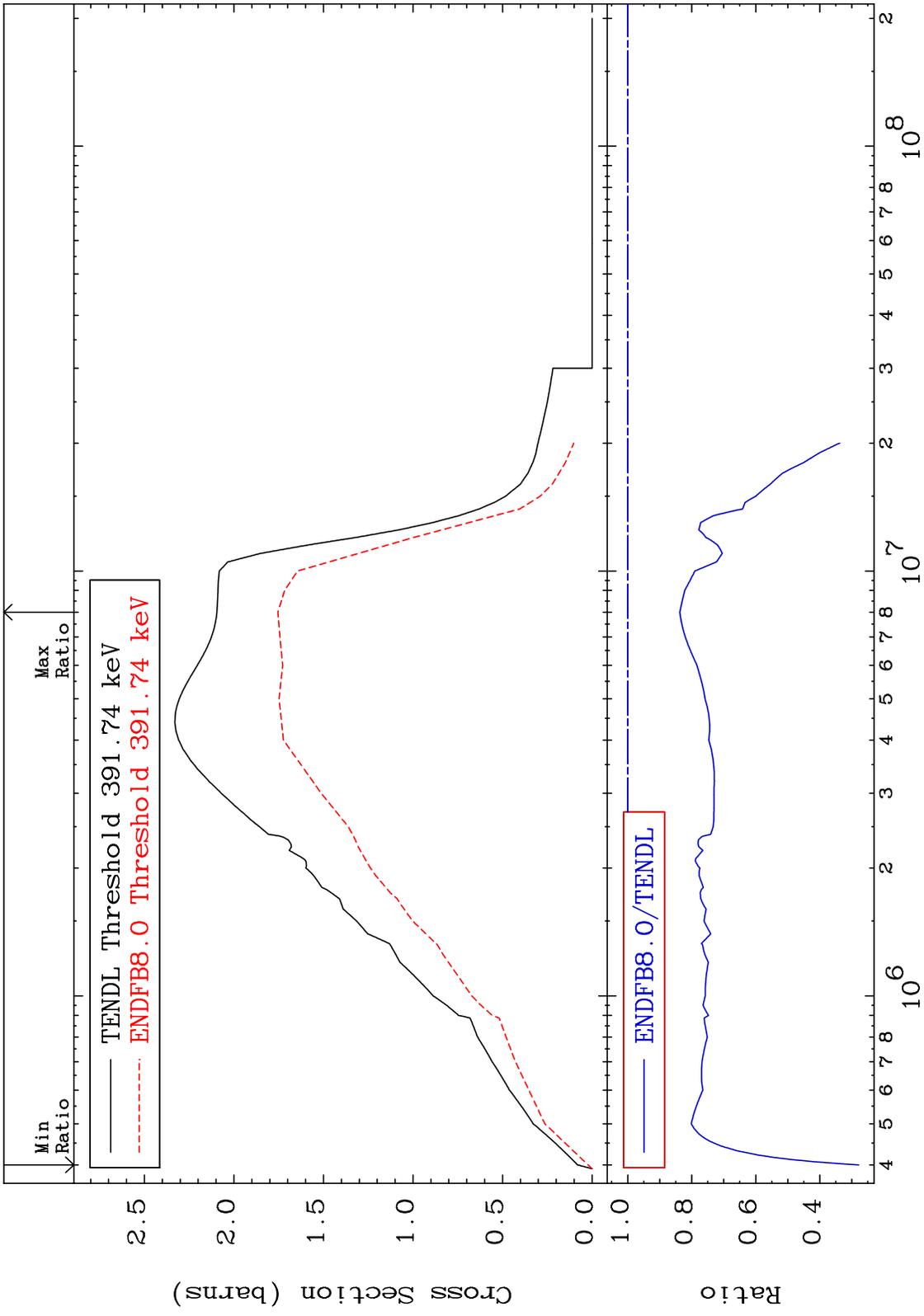


2

Incident Energy (eV)

54-Xe-126

MAT 5431 Inelastic Cross Section 54-Xe-126 -72.19 To -16.26%



3 54-Xe-126

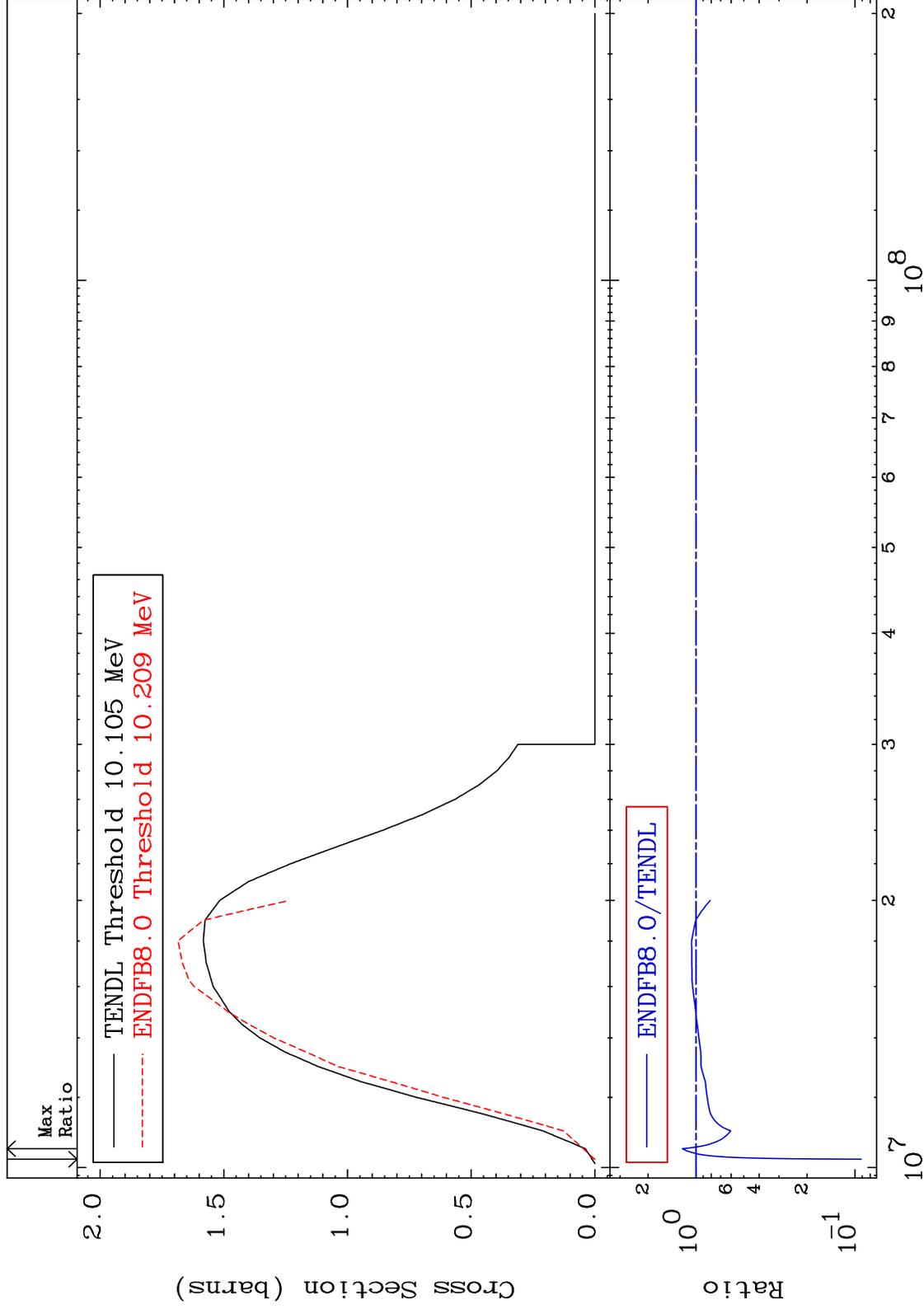
MAT 5431

(n,2n)

54-Xe-126

Cross Section

-90.90 To 21.61 %



54-Xe-126

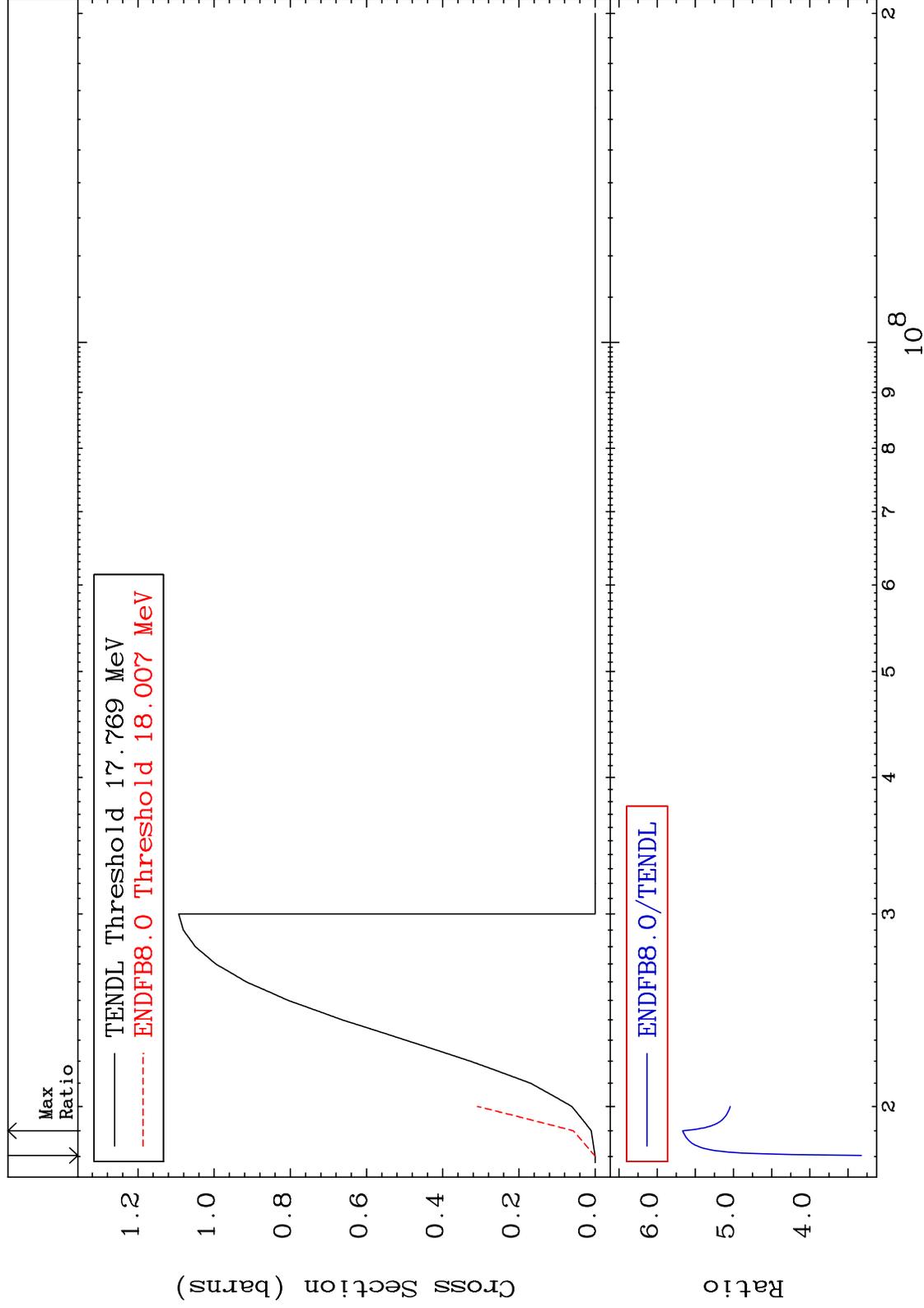
MAT 5431

(n,3n)

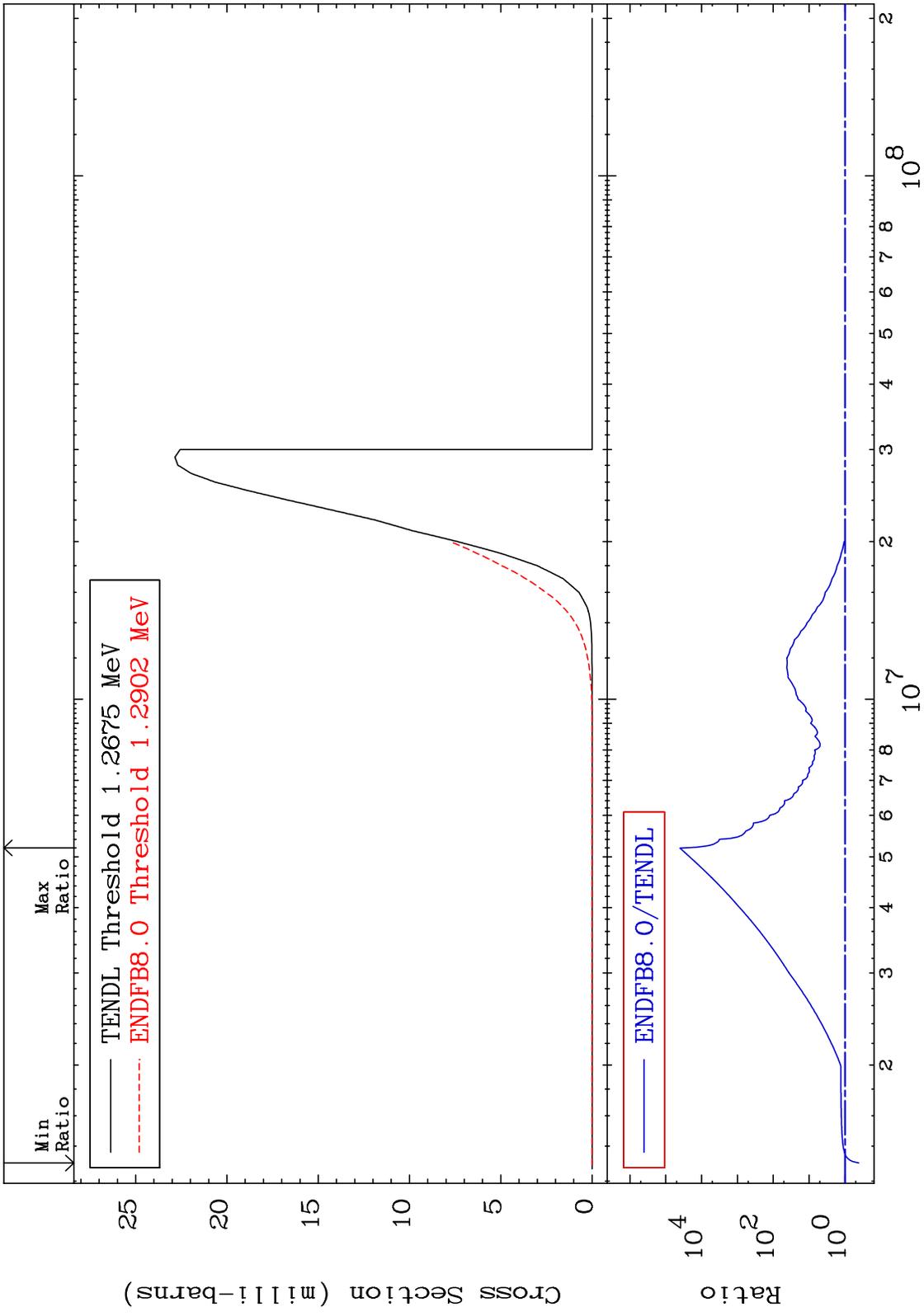
54-Xe-126

Cross Section

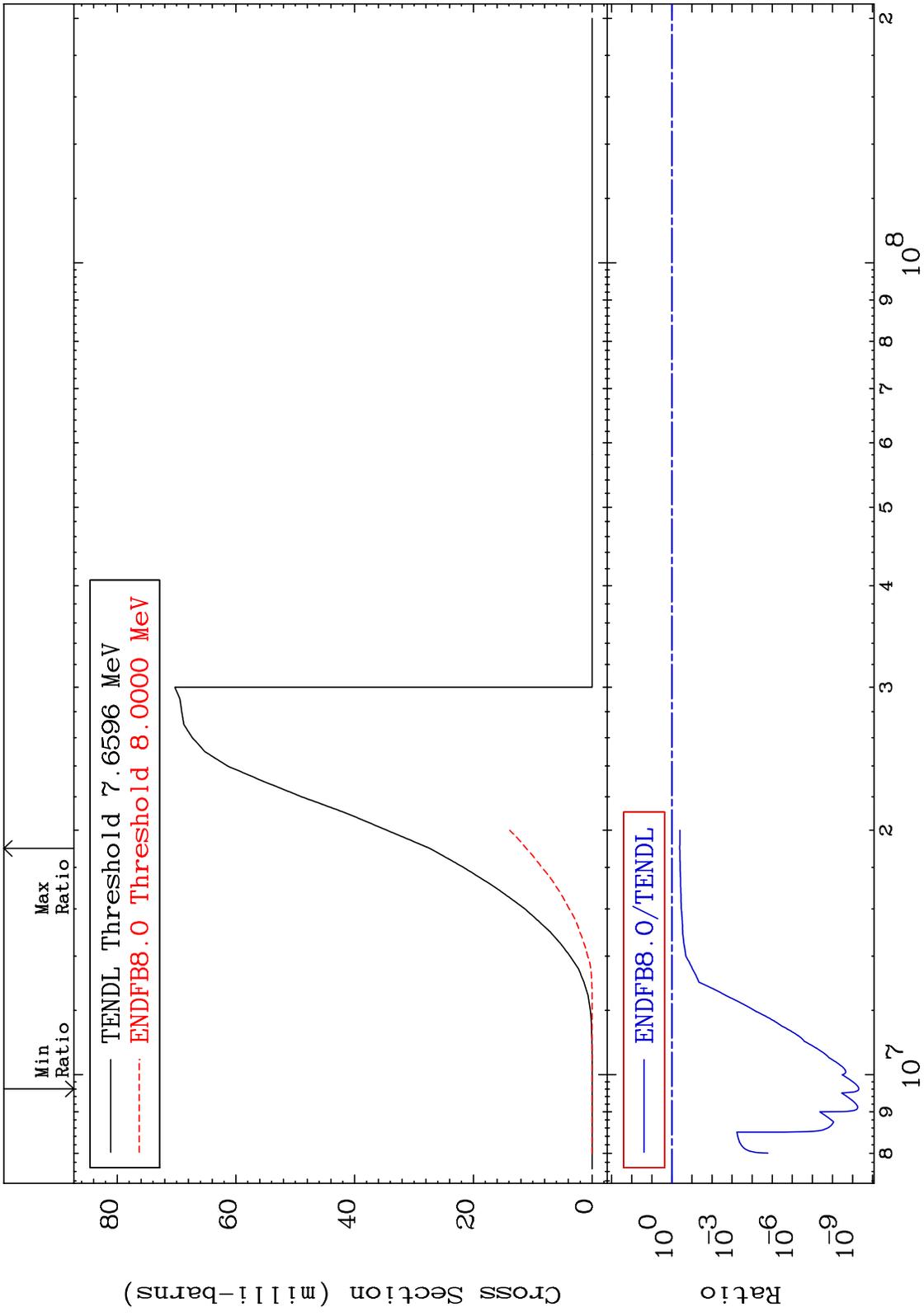
232.5 To 466.6 %



MAT 5431 $(n, n') \alpha$ 54-Xe-126
 Cross Section -59.18 To 9999. %

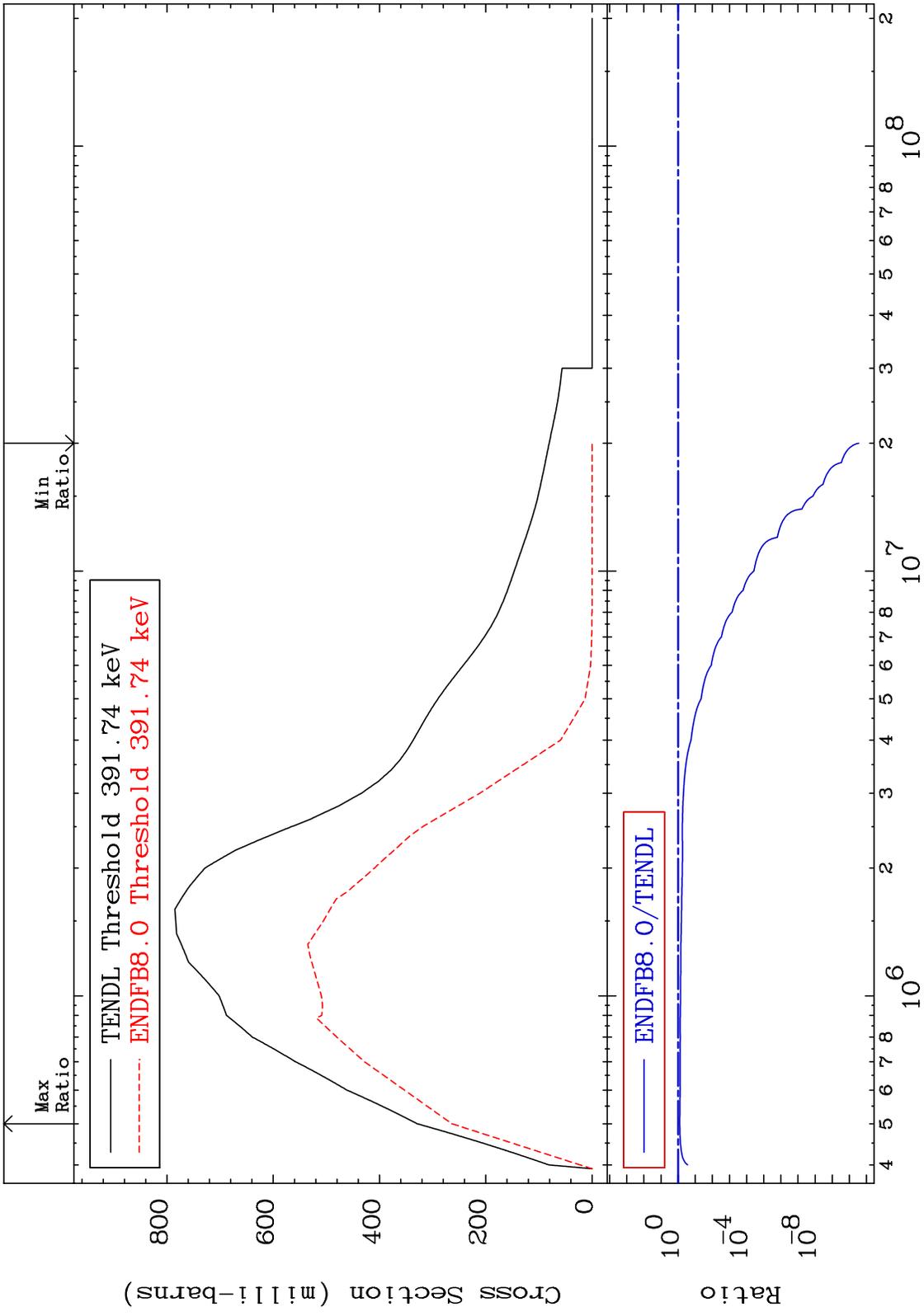


MAT 5431 (n, n') p 54-Xe-126
 Cross Section -100.0 To -59.43%



7 Incident Energy (eV) 54-Xe-126

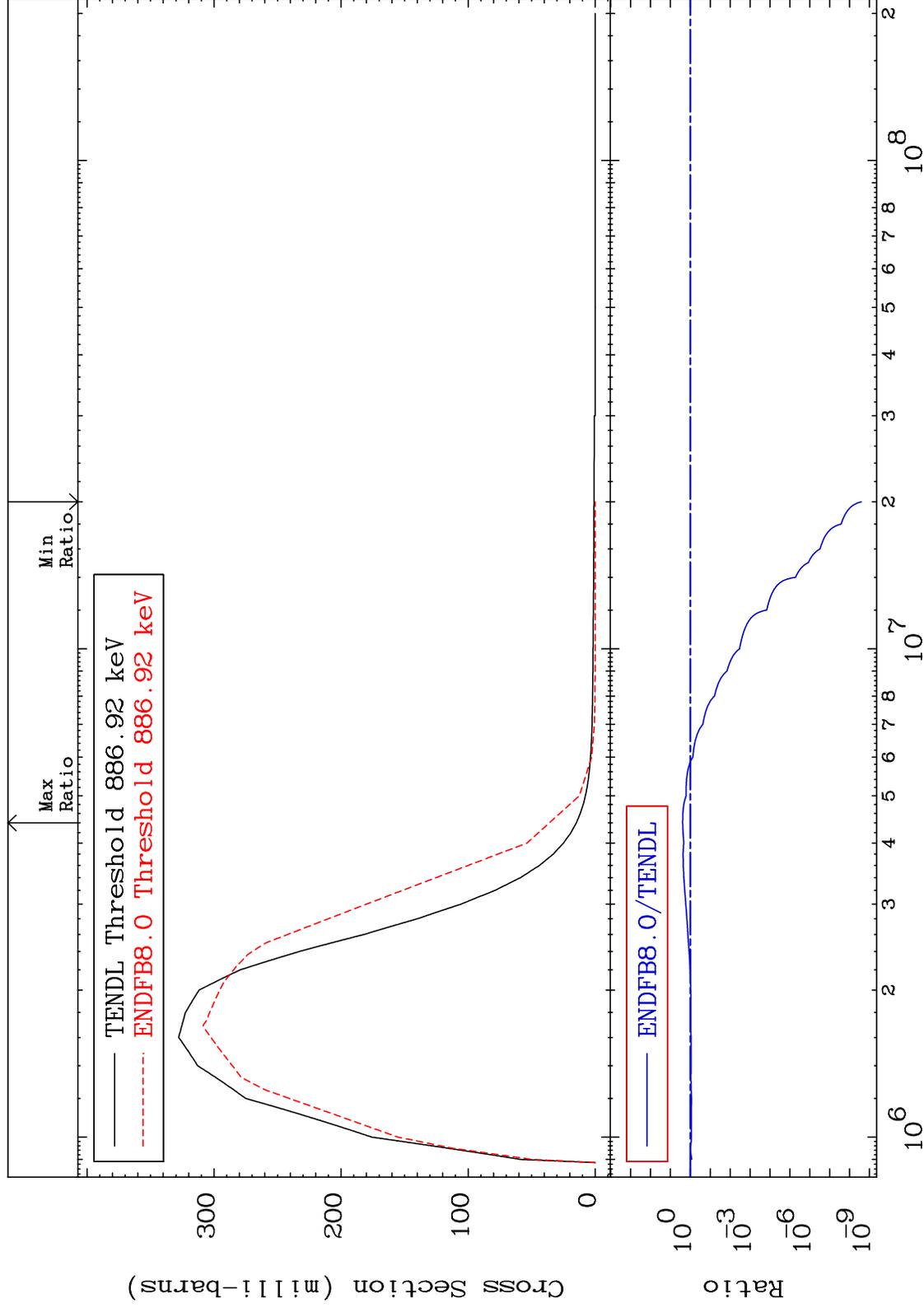
MAT 5431 MT= 51 (n,n') Level Cross Section 54-Xe-126 -100.0 To -19.83%



MAT 5431

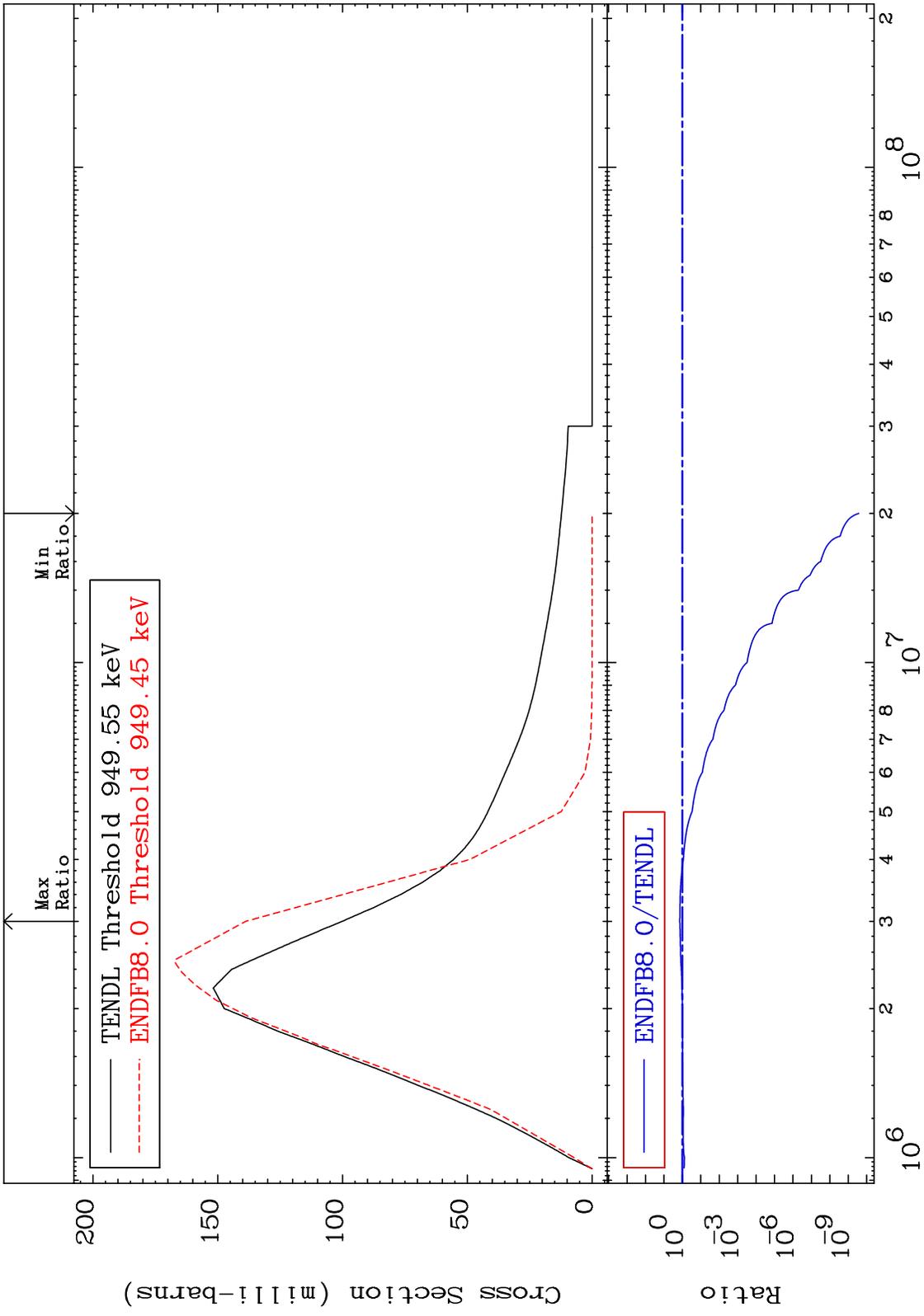
MT= 52 (n,n') Level
Cross Section

54-Xe-126
-100.0 To 143.4 %



54-Xe-126

MAT 5431 MT= 53 (n,n') Level Cross Section 54-Xe-126 -100.0 To 38.63 %

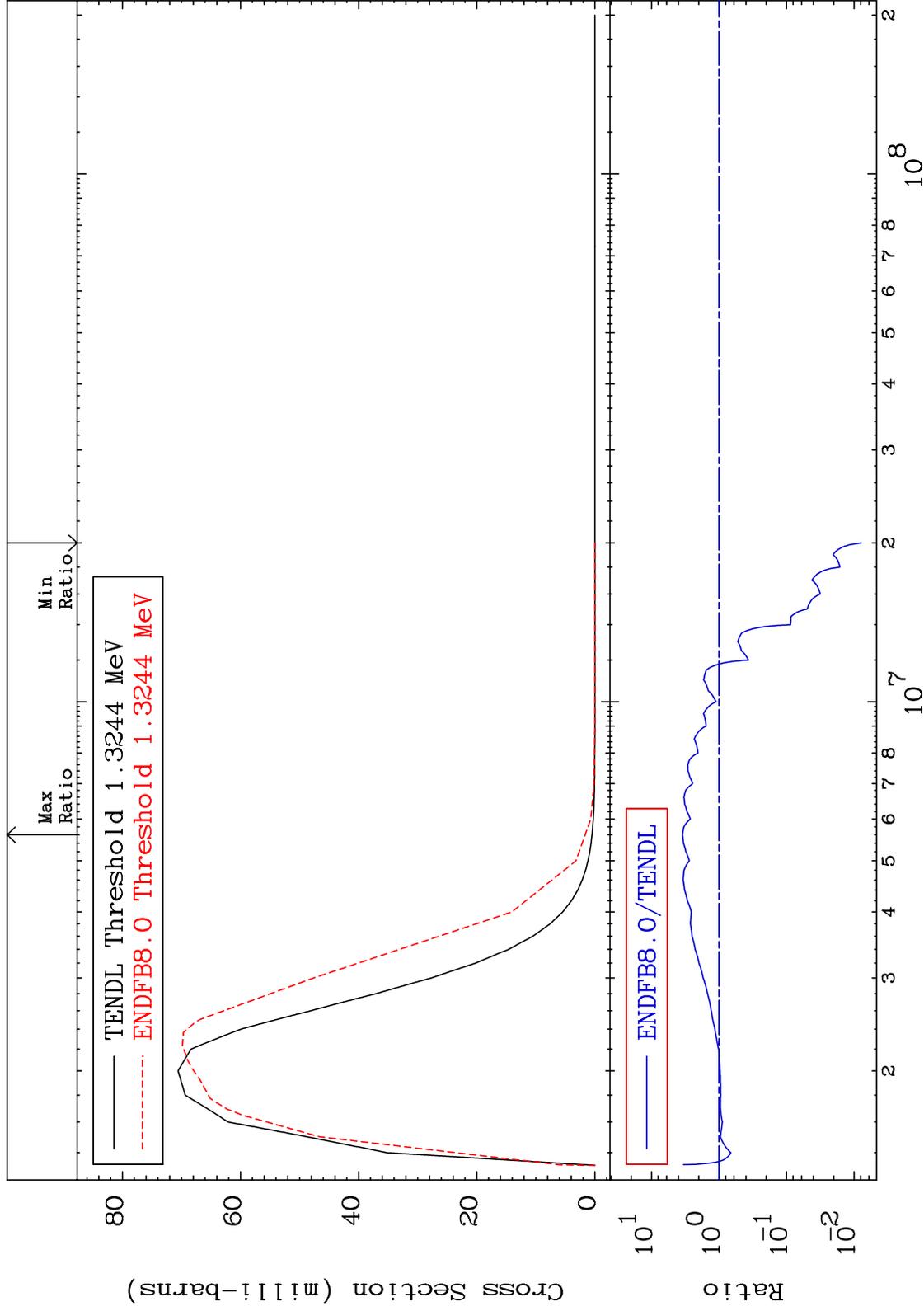


Incident Energy (eV) 54-Xe-126

MAT 5431

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

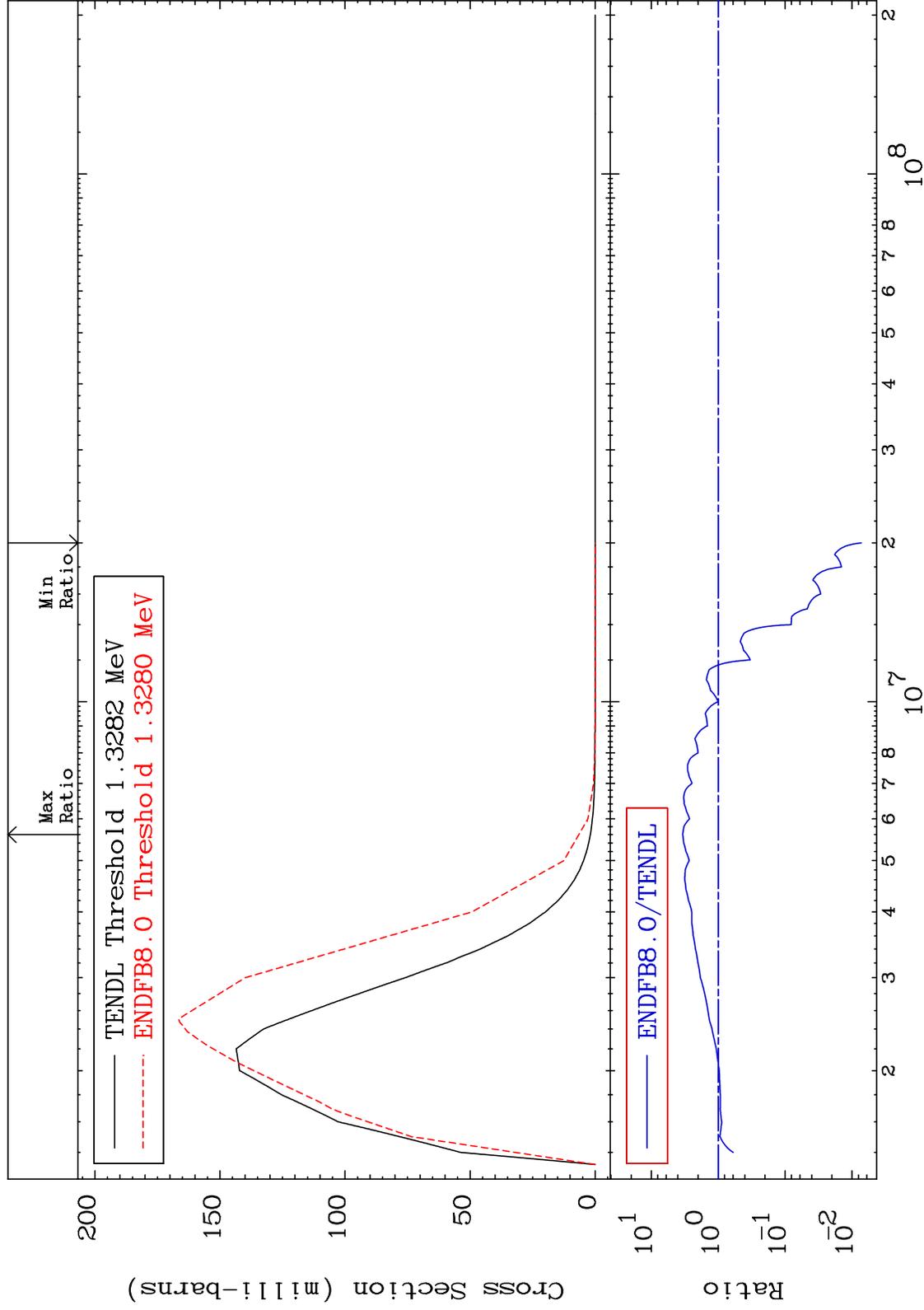
54-Xe-126
-99.22 To 248.9 %



MAT 5431

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

54-Xe-126
-99.28 To 239.4 %



12

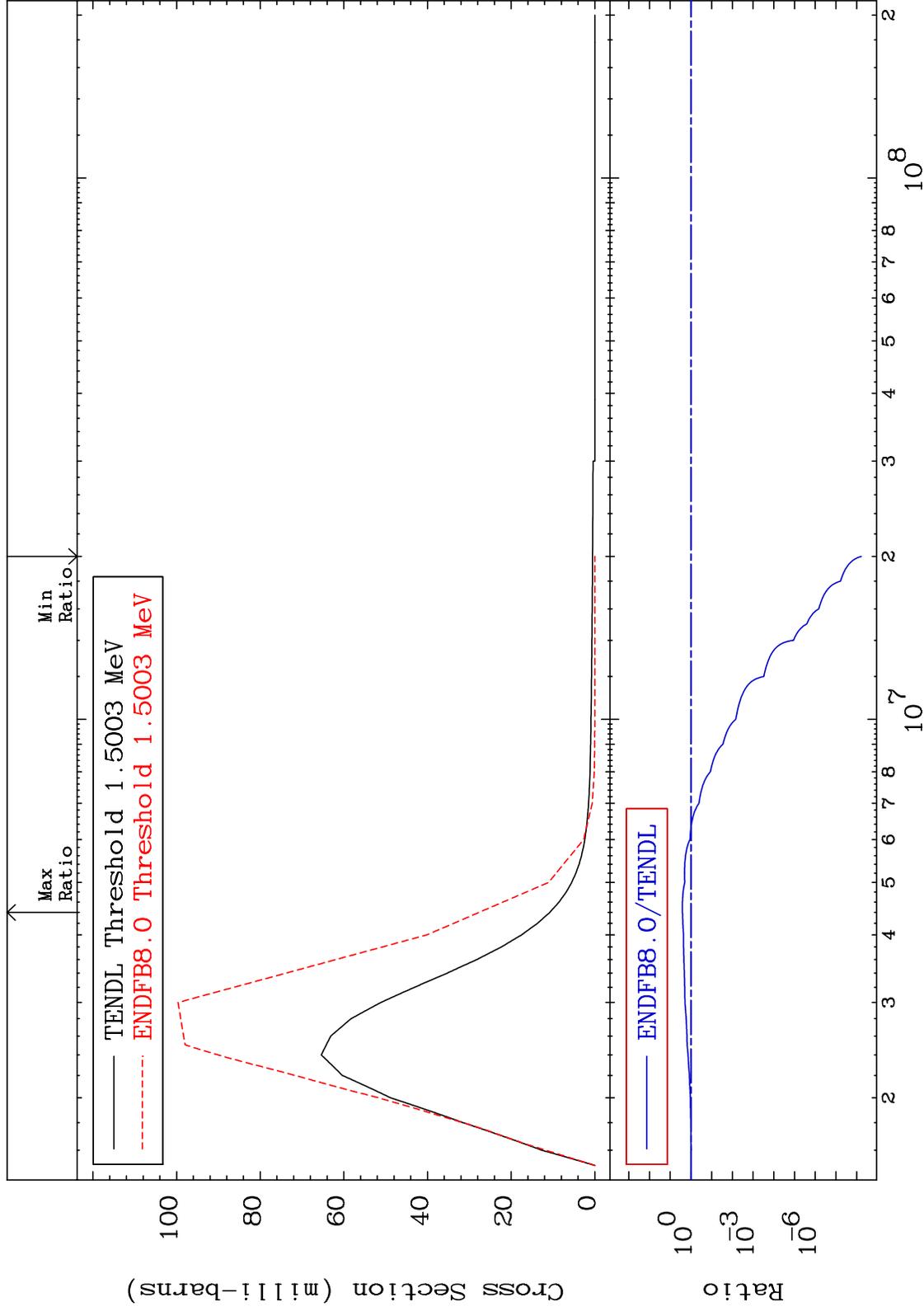
Incident Energy (eV)

54-Xe-126

MAT 5431

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

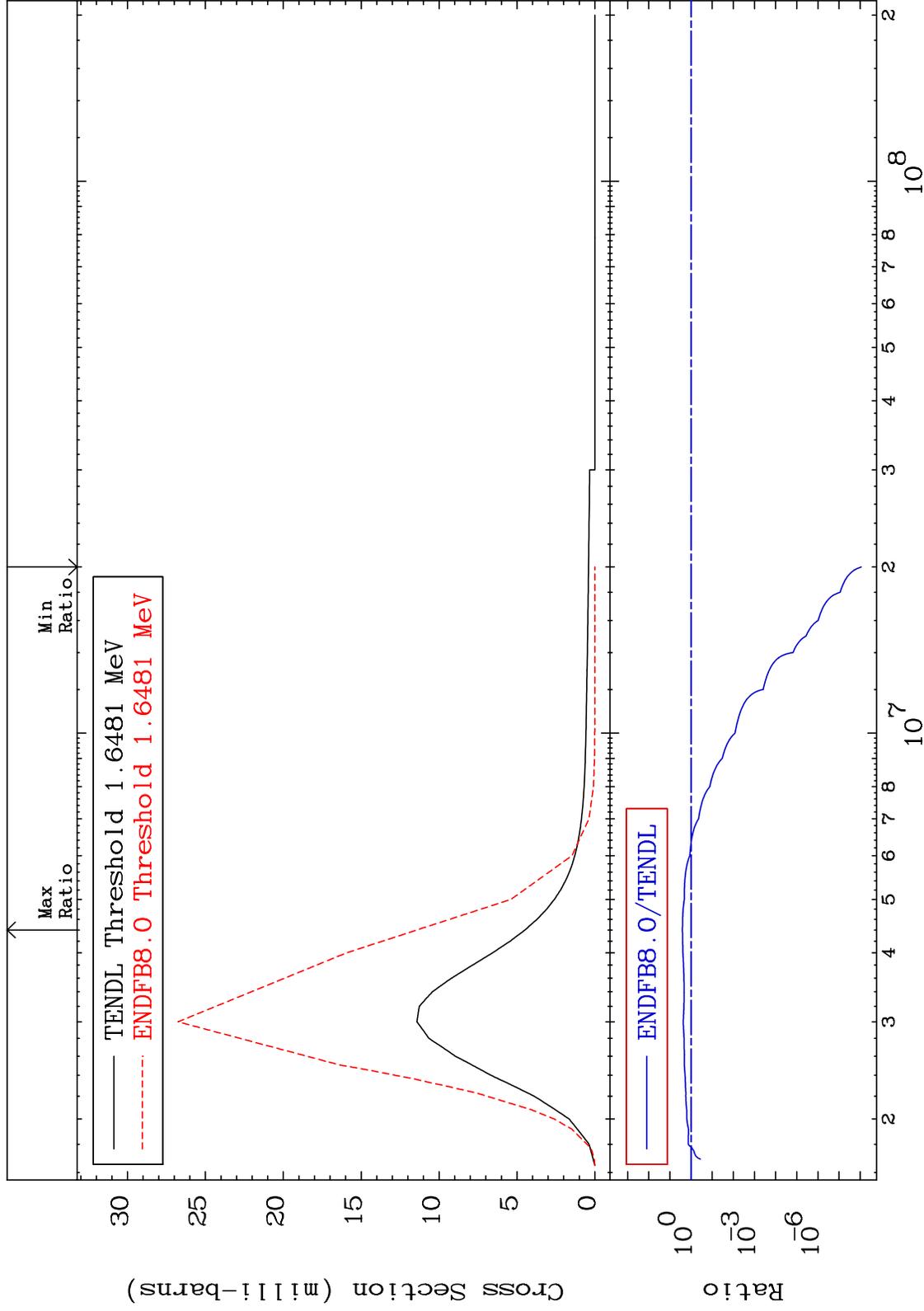
54-Xe-126
-100.0 To 157.1 %



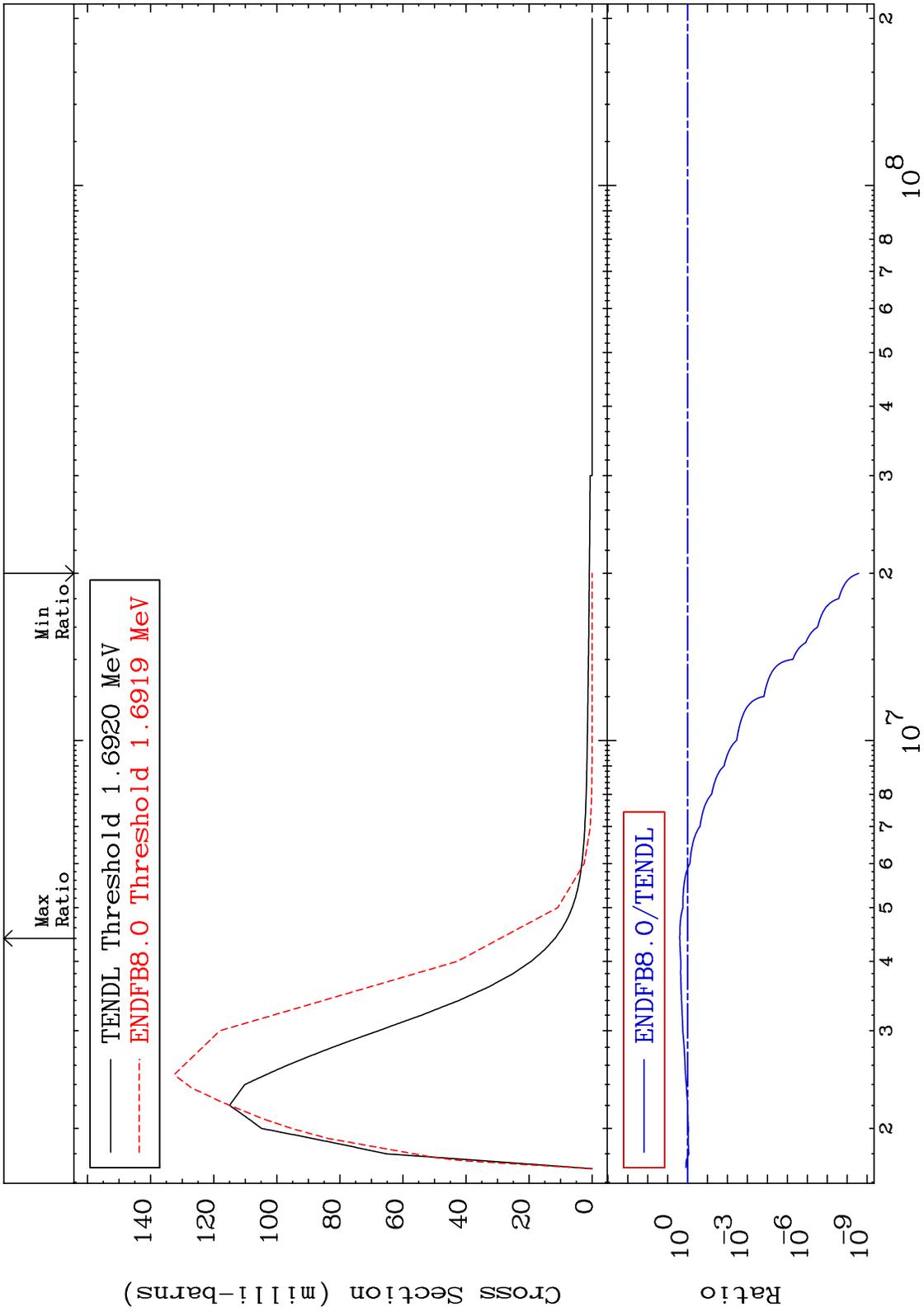
MAT 5431

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

54-Xe-126
-100.0 To 154.9 %



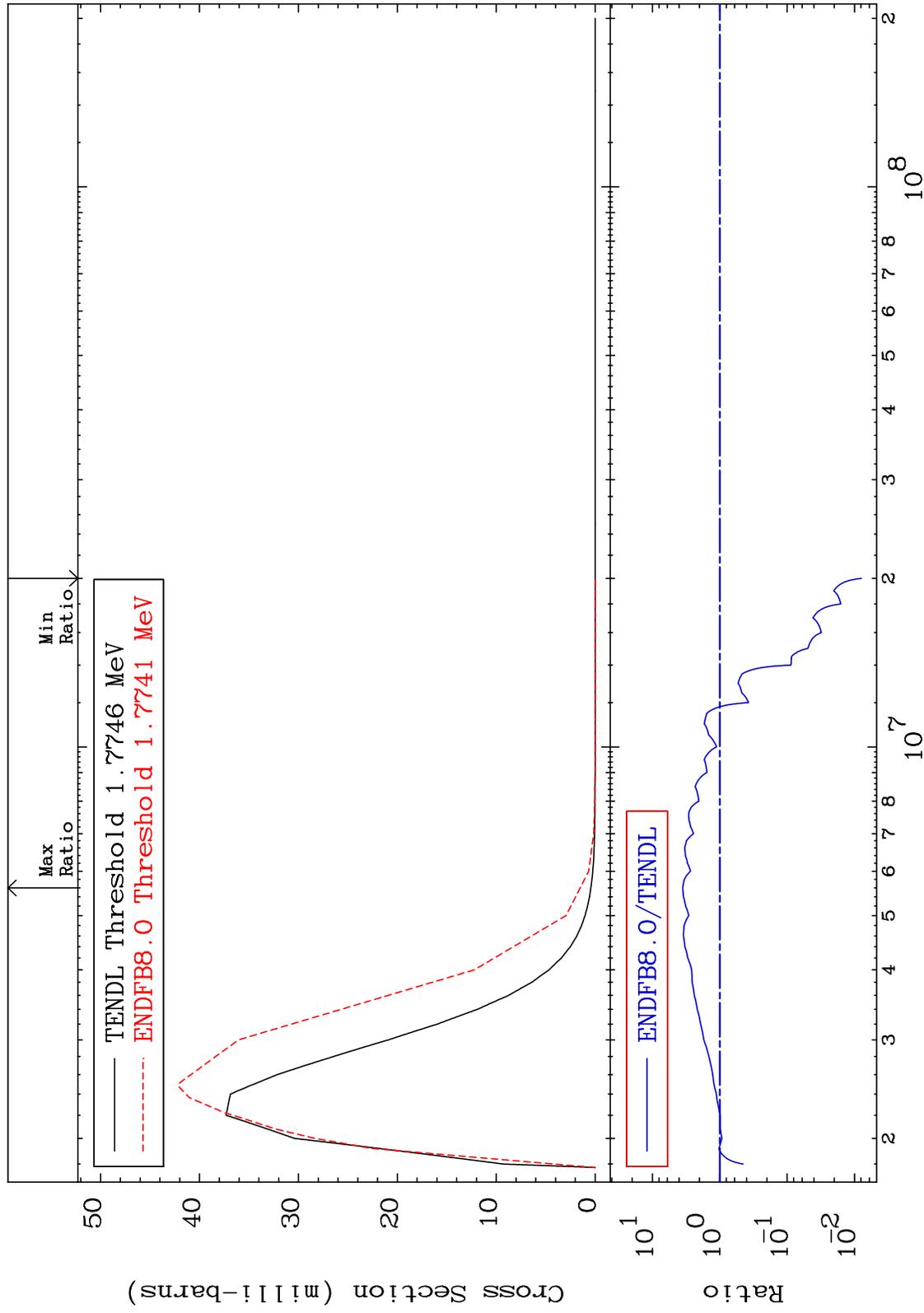
MAT 5431 MT= 58 (n,n') Level Cross Section 54-Xe-126 -100.0 To 147.9 %



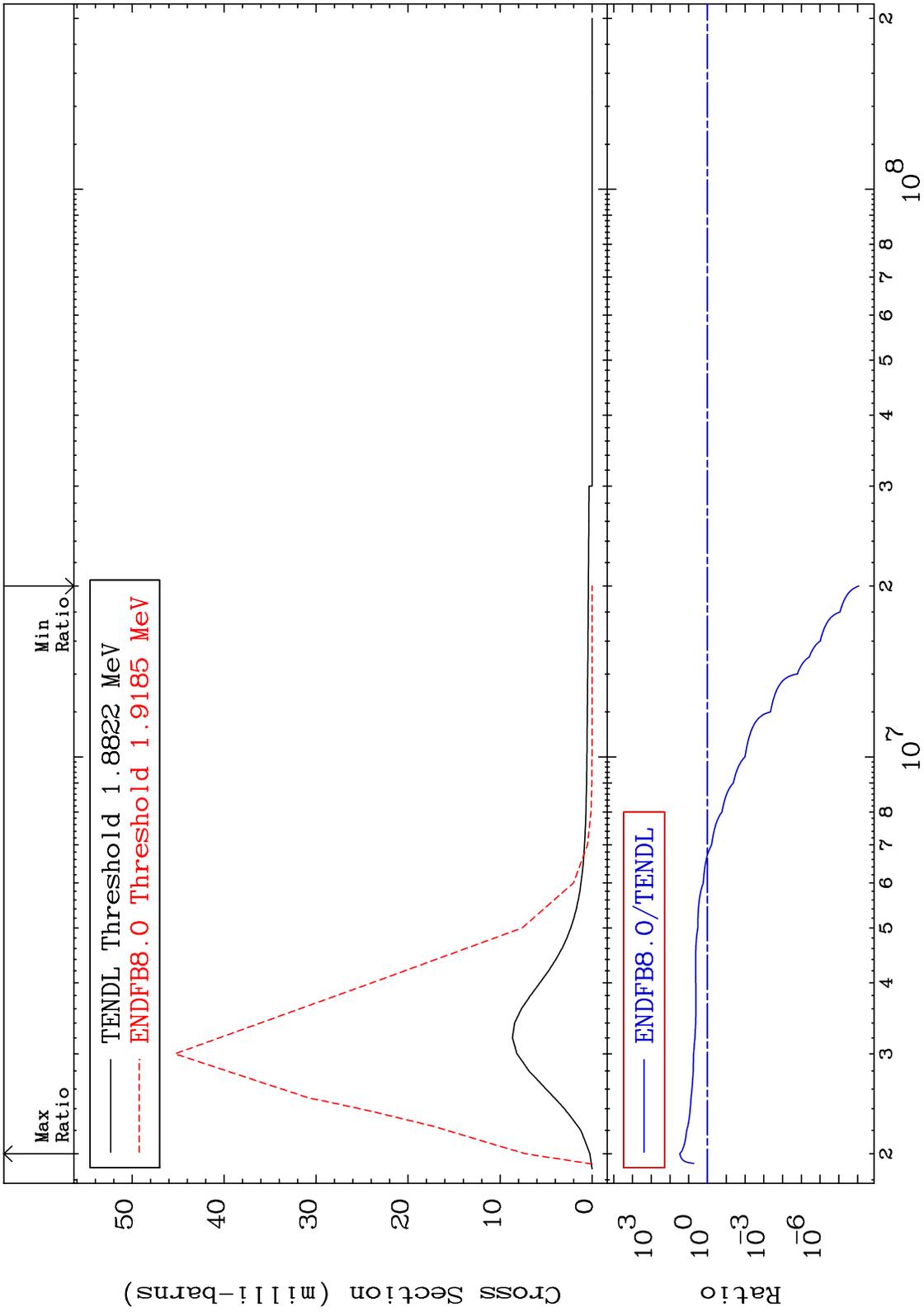
MAT 5431

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

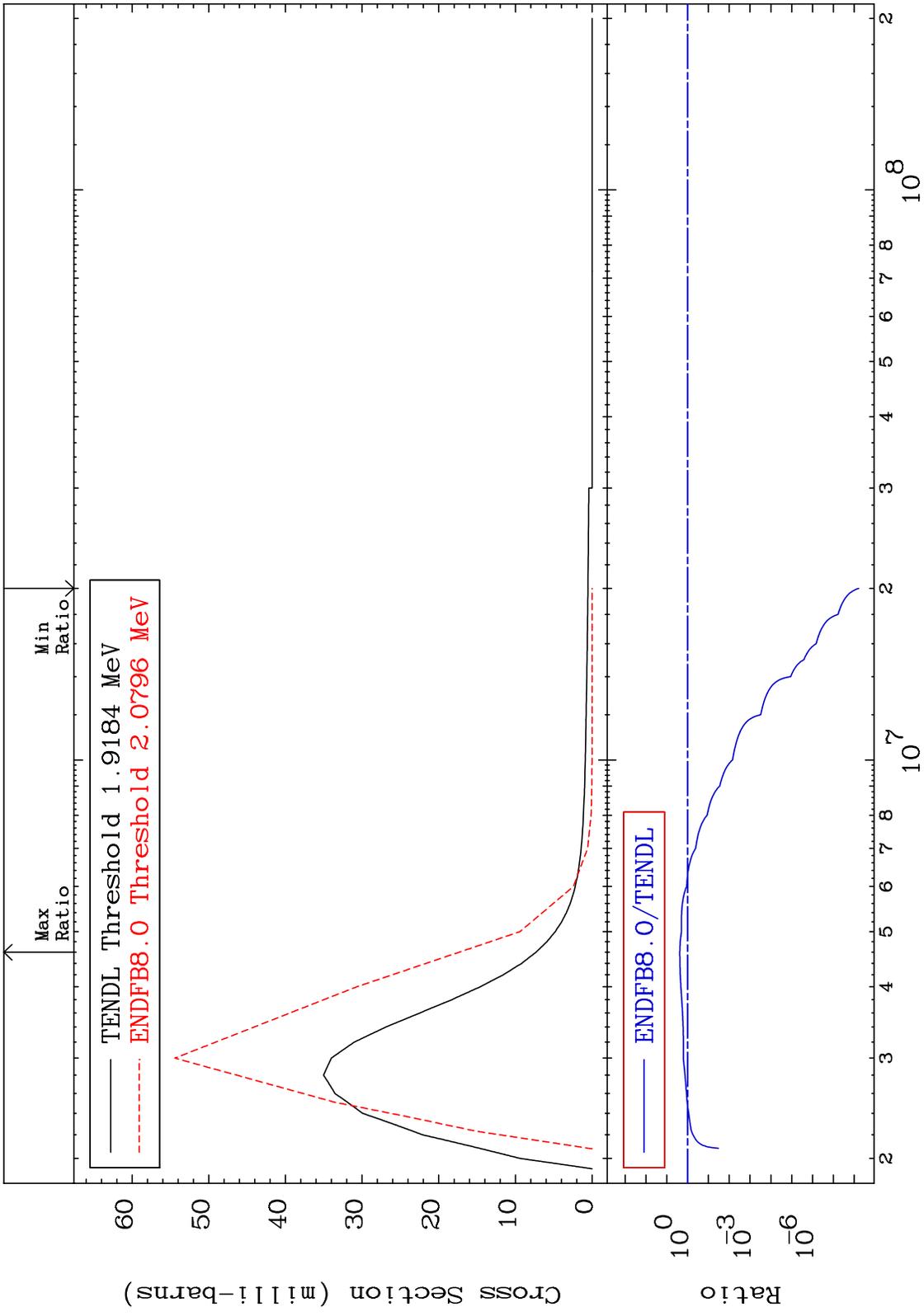
54-Xe-126
-99.21 To 255.4 %



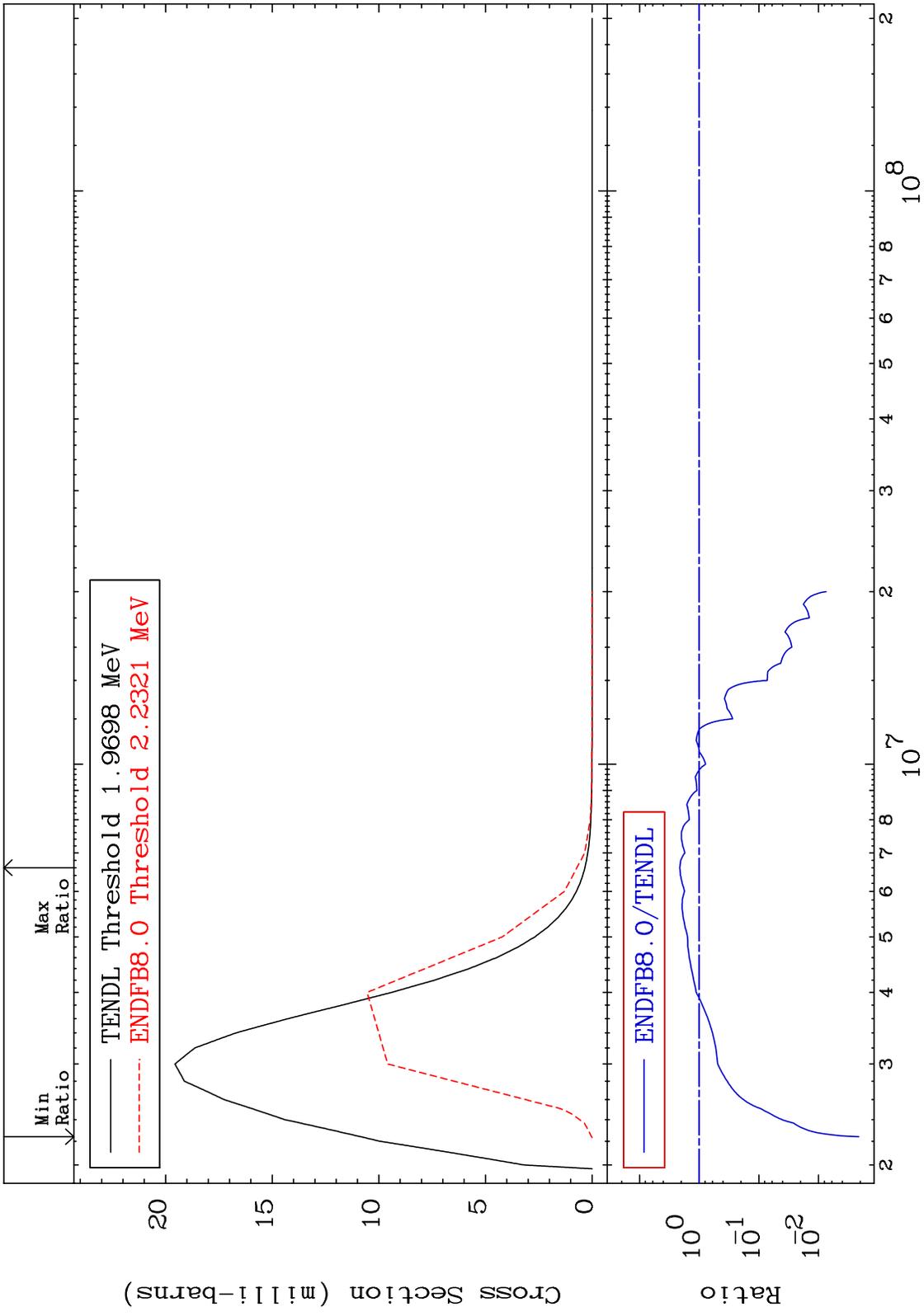
MAT 5431 MT= 60 (n,n') Level Cross Section 54-Xe-126 -100.0 To 2915. %



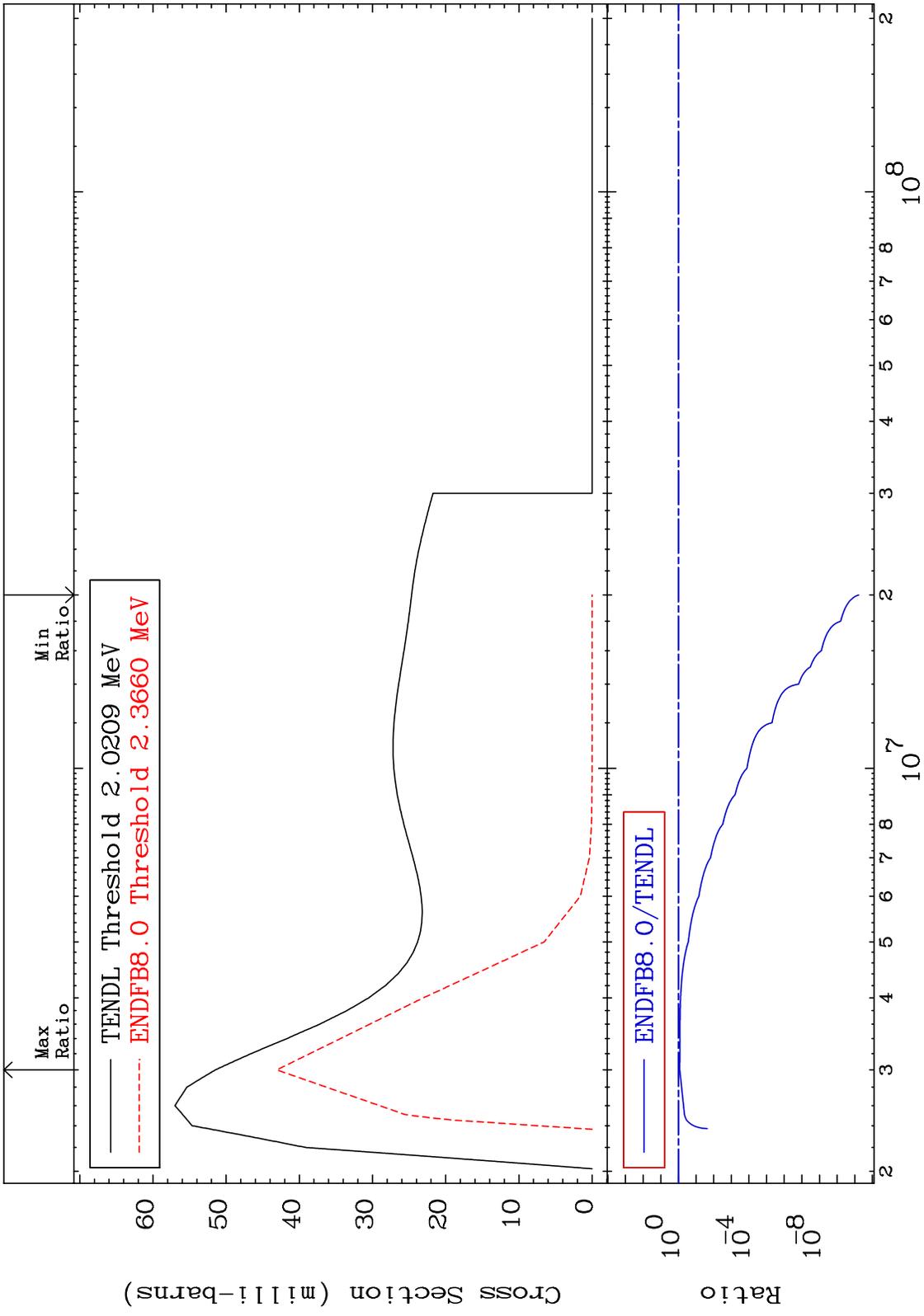
MAT 5431 MT= 61 (n,n') Level Cross Section 54-Xe-126 -100.0 To 137.4 %



MAT 5431 MT= 62 (n,n') Level Cross Section 54-Xe-126 -99.79 To 112.0 %



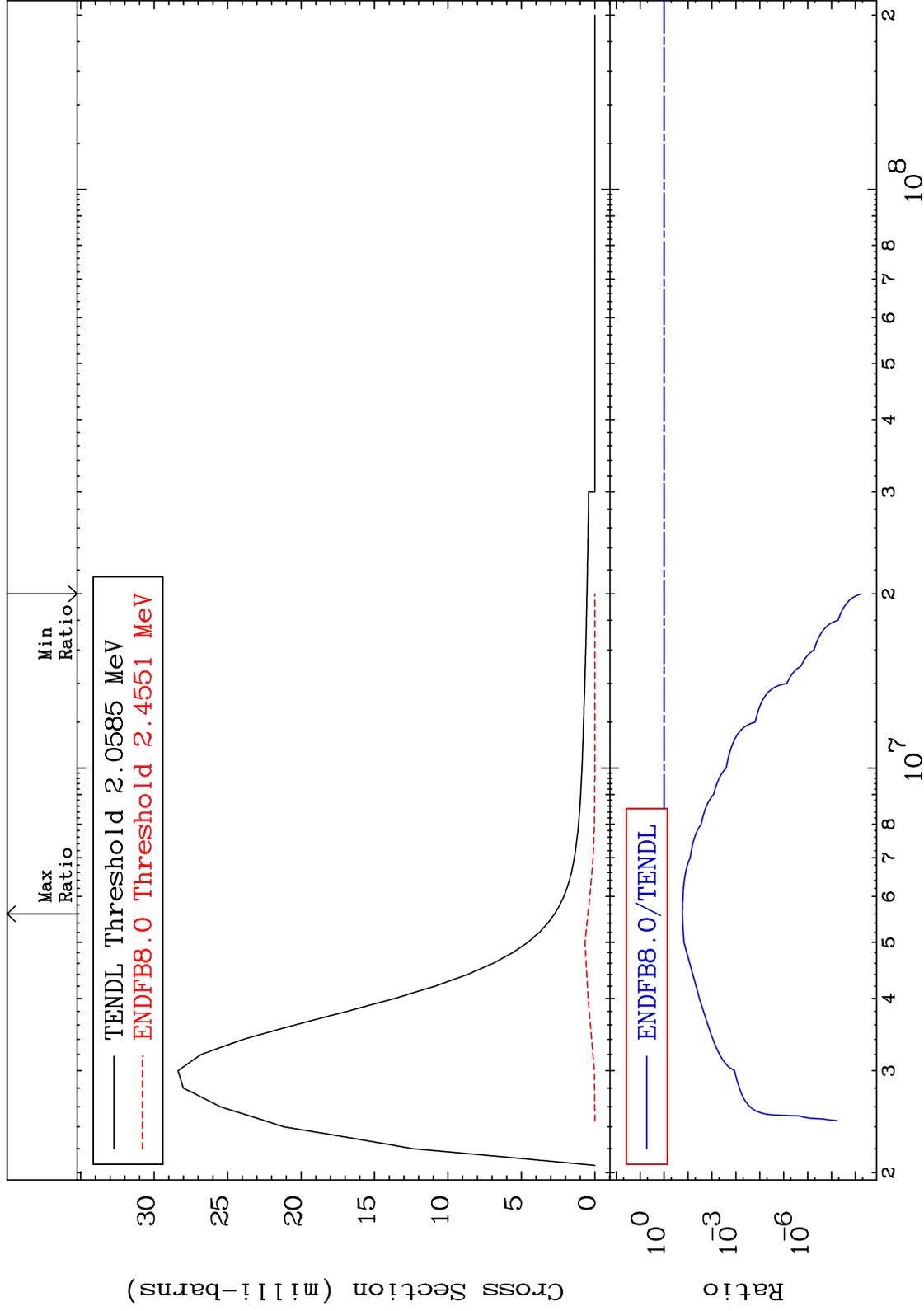
MAT 5431 MT= 63 (n,n') Level Cross Section 54-Xe-126 -100.0 To -16.27%



MAT 5431

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

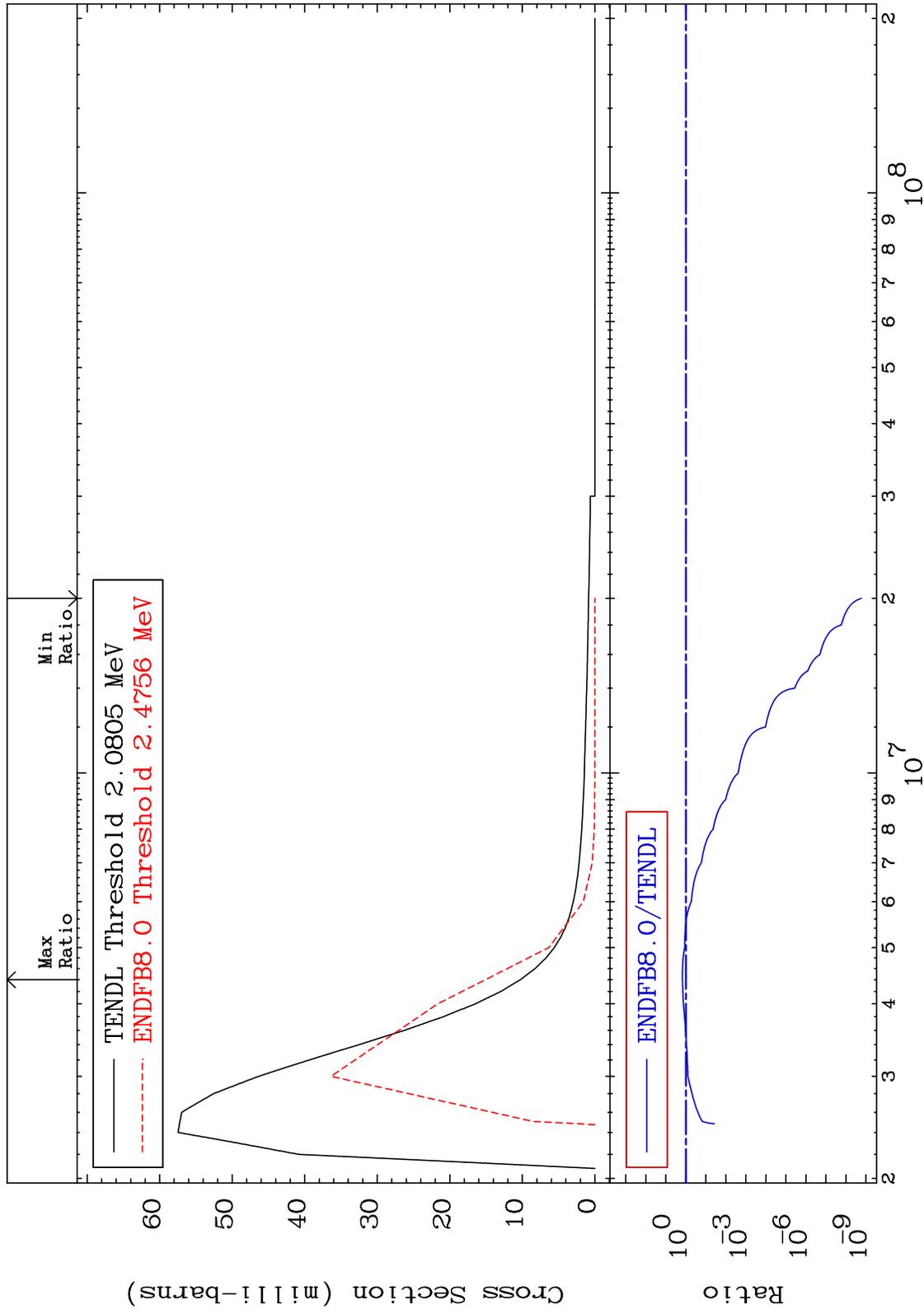
54-Xe-126
-100.0 To -82.88%



MAT 5431

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

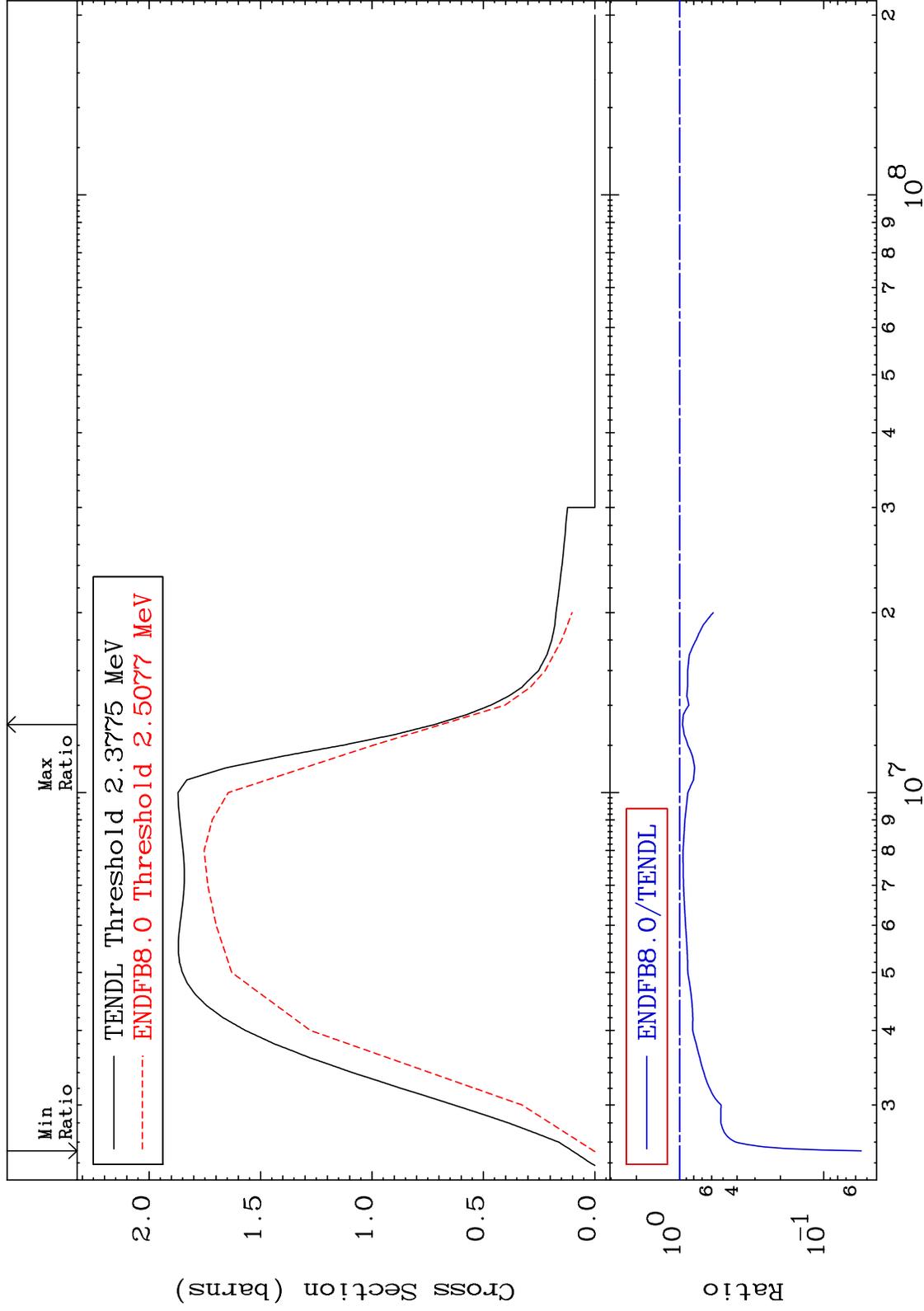
54-Xe-126
-100.0 To 47.09 %



MAT 5431

(n, n') Continuum
Cross Section

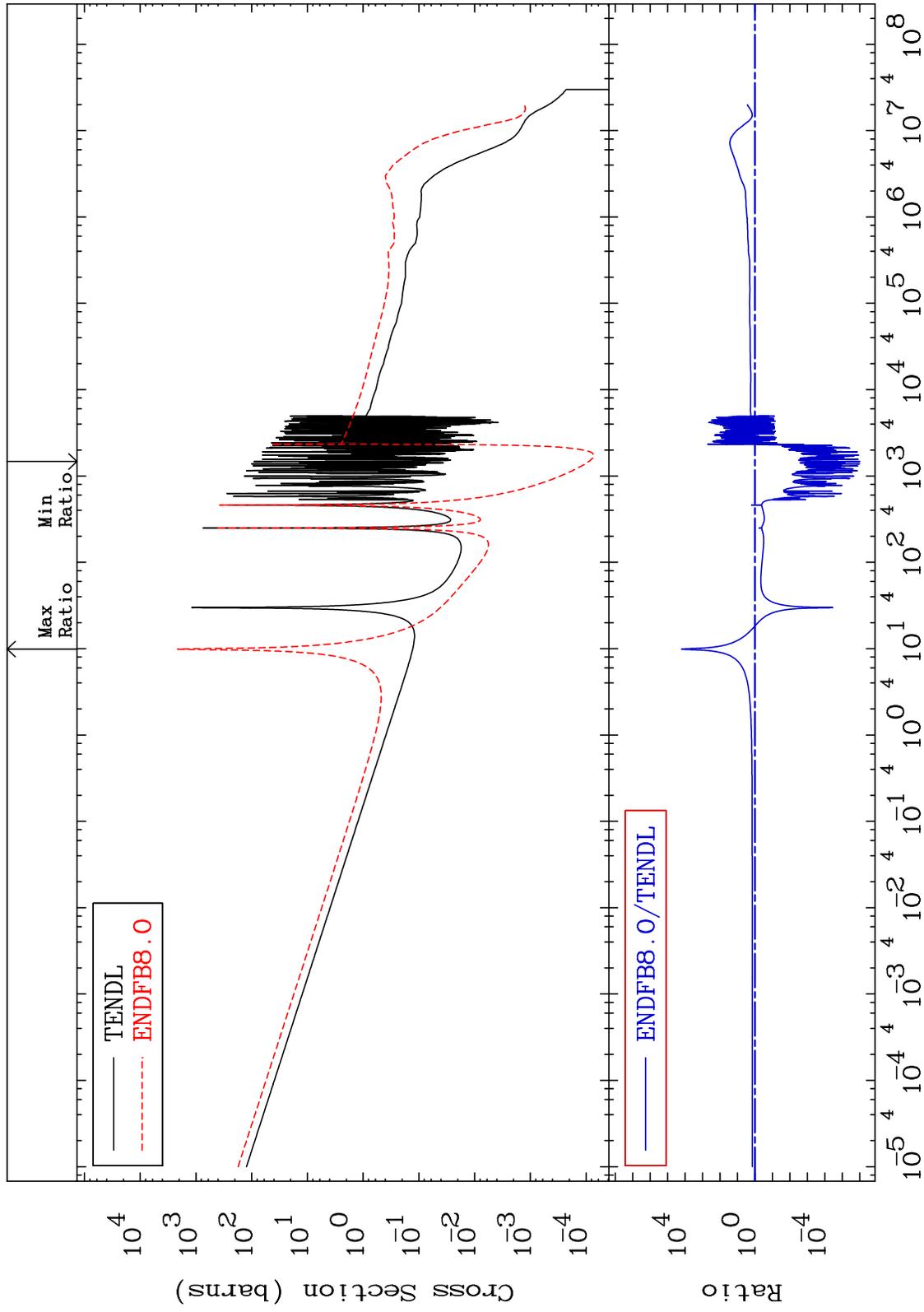
54-Xe-126
-94.52 To -4.148%



MAT 5431

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

54-Xe-126



MAT 5431

(n,p)

54-Xe-126

-100.0 To 41.17 %

Cross Section

Min Ratio

Max Ratio

TENDL Threshold 456.92 keV
ENDFB8.0 Threshold 1.0000 MeV

Cross Section (milli-barns)

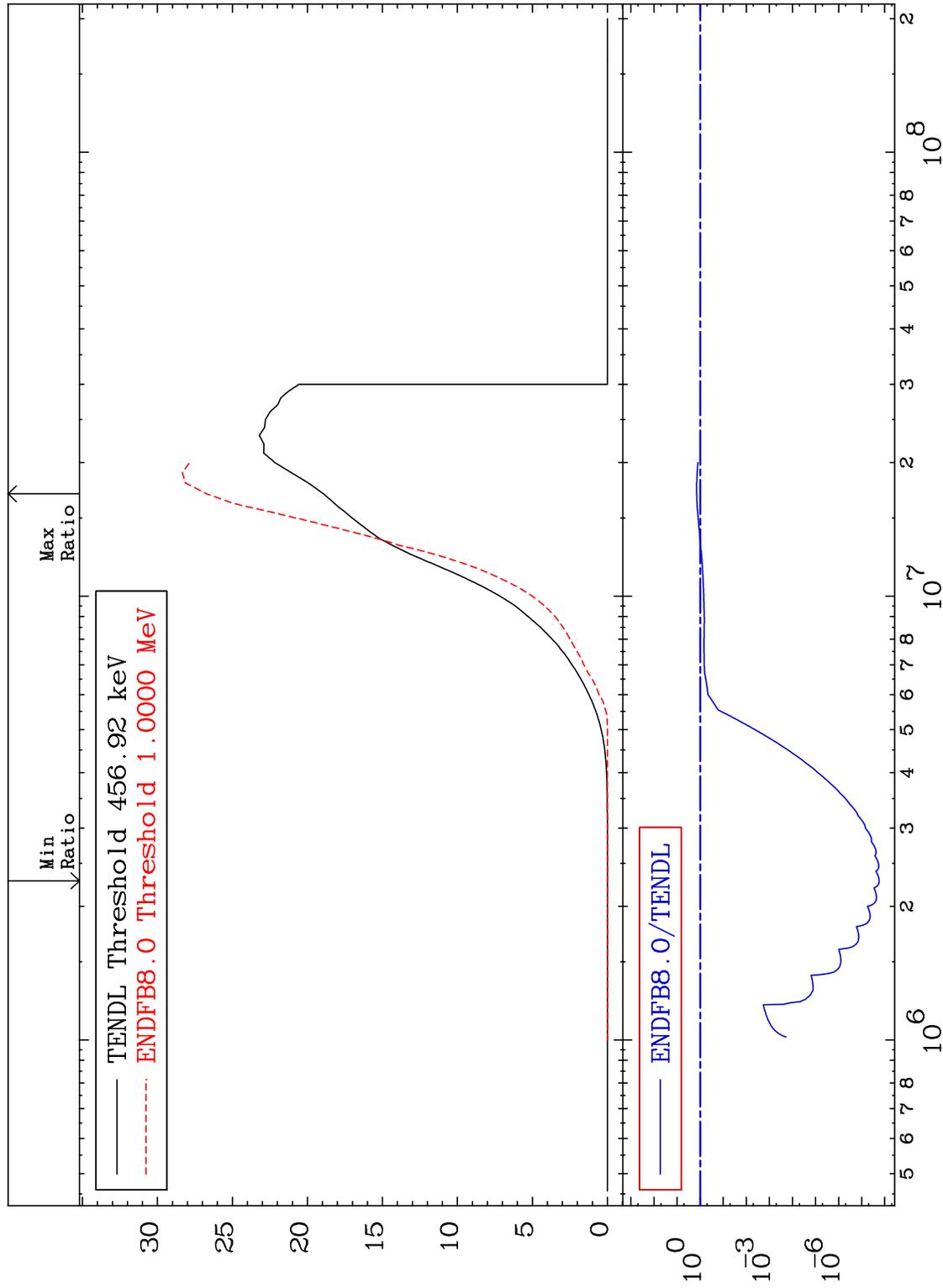
ENDFB8.0/TENDL

Ratio

25

Incident Energy (eV)

54-Xe-126



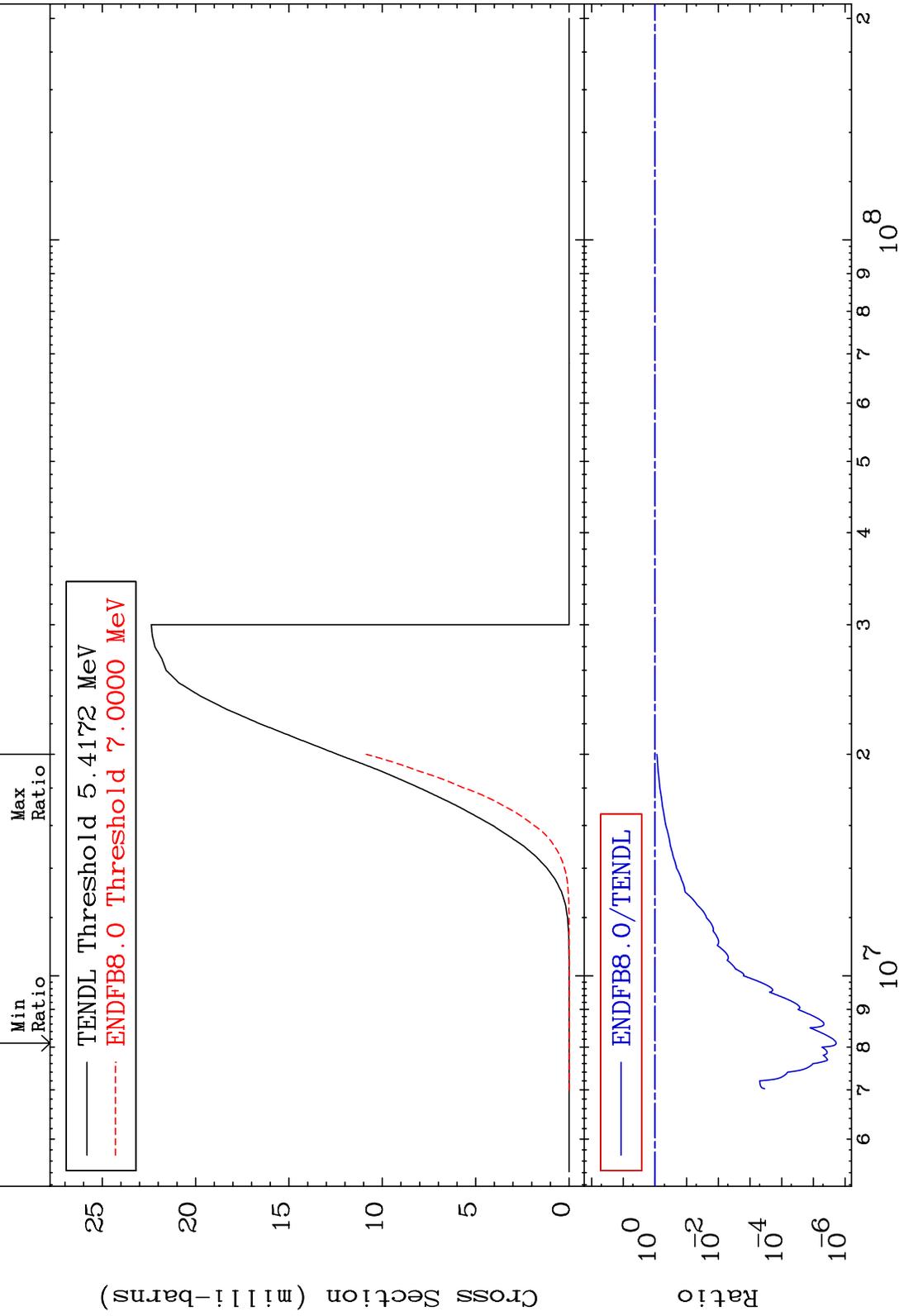
MAT 5431

(n,d)

54-Xe-126

-100.0 To -12.51%

Cross Section



26

Incident Energy (eV)

54-Xe-126

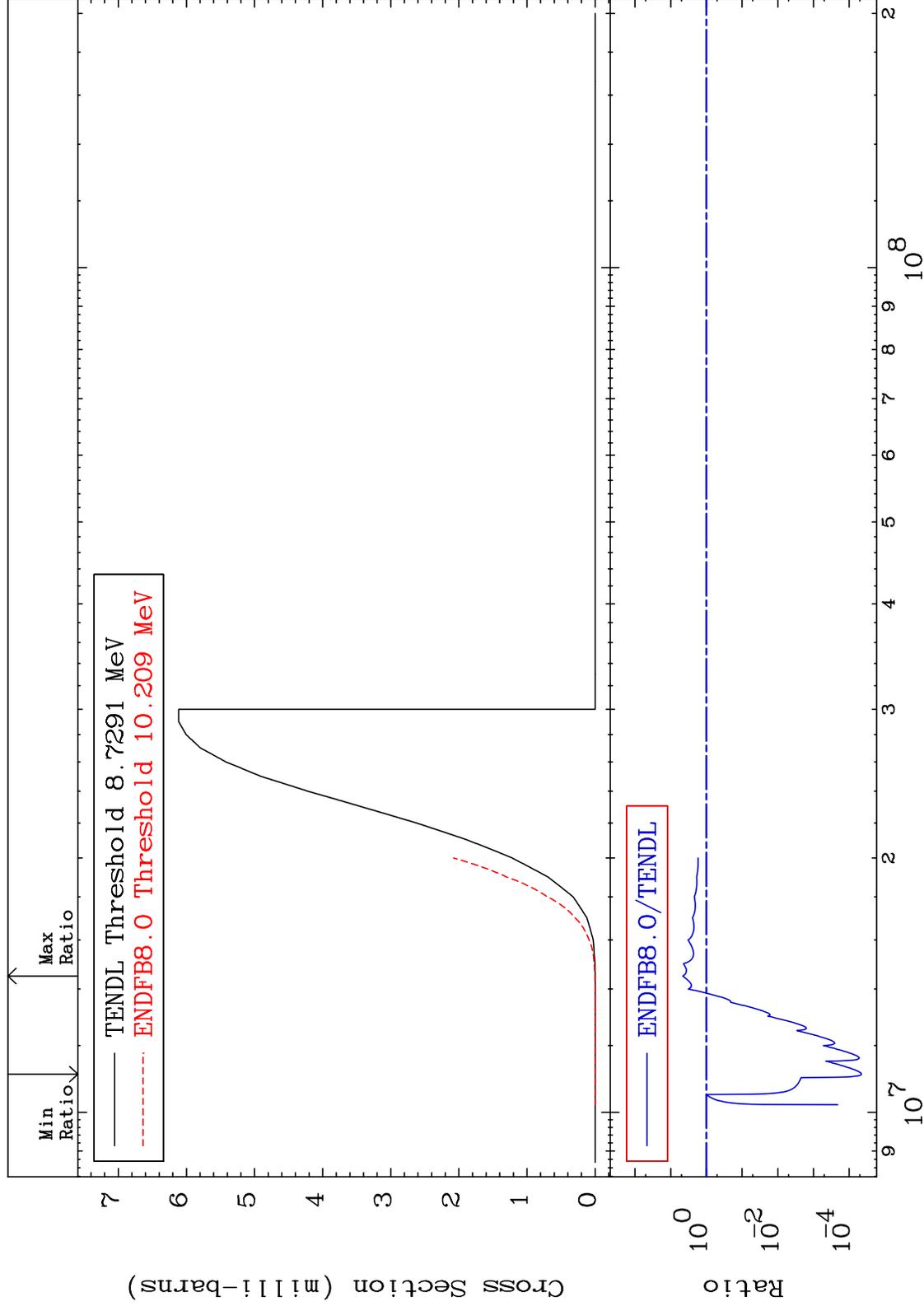
MAT 5431

(n,t)

54-Xe-126

Cross Section

-100.0 To 362.1 %



27

Incident Energy (eV)

54-Xe-126

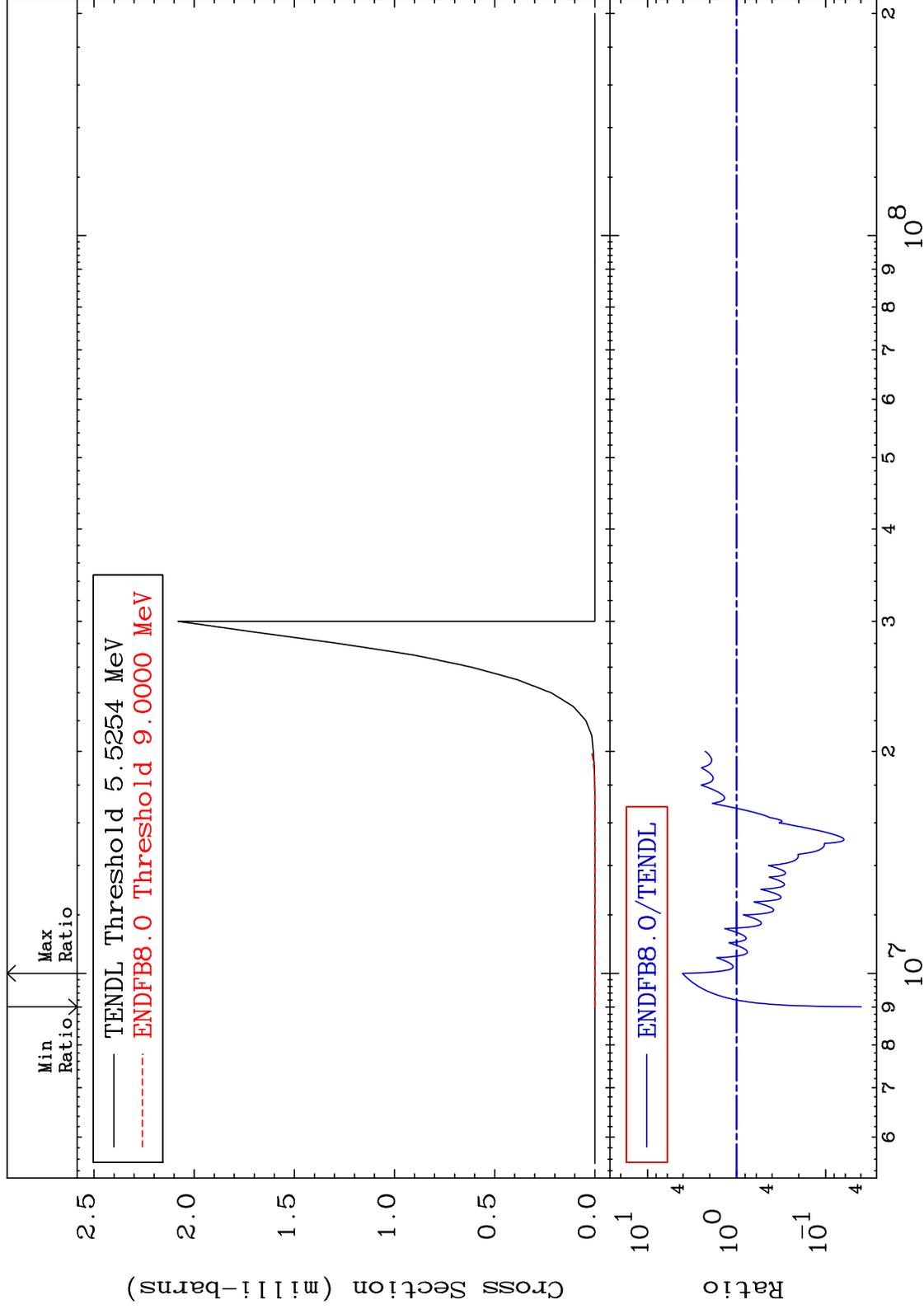
MAT 5431

(n, He-3)

54-Xe-126

Cross Section

-96.04 To 305.2 %



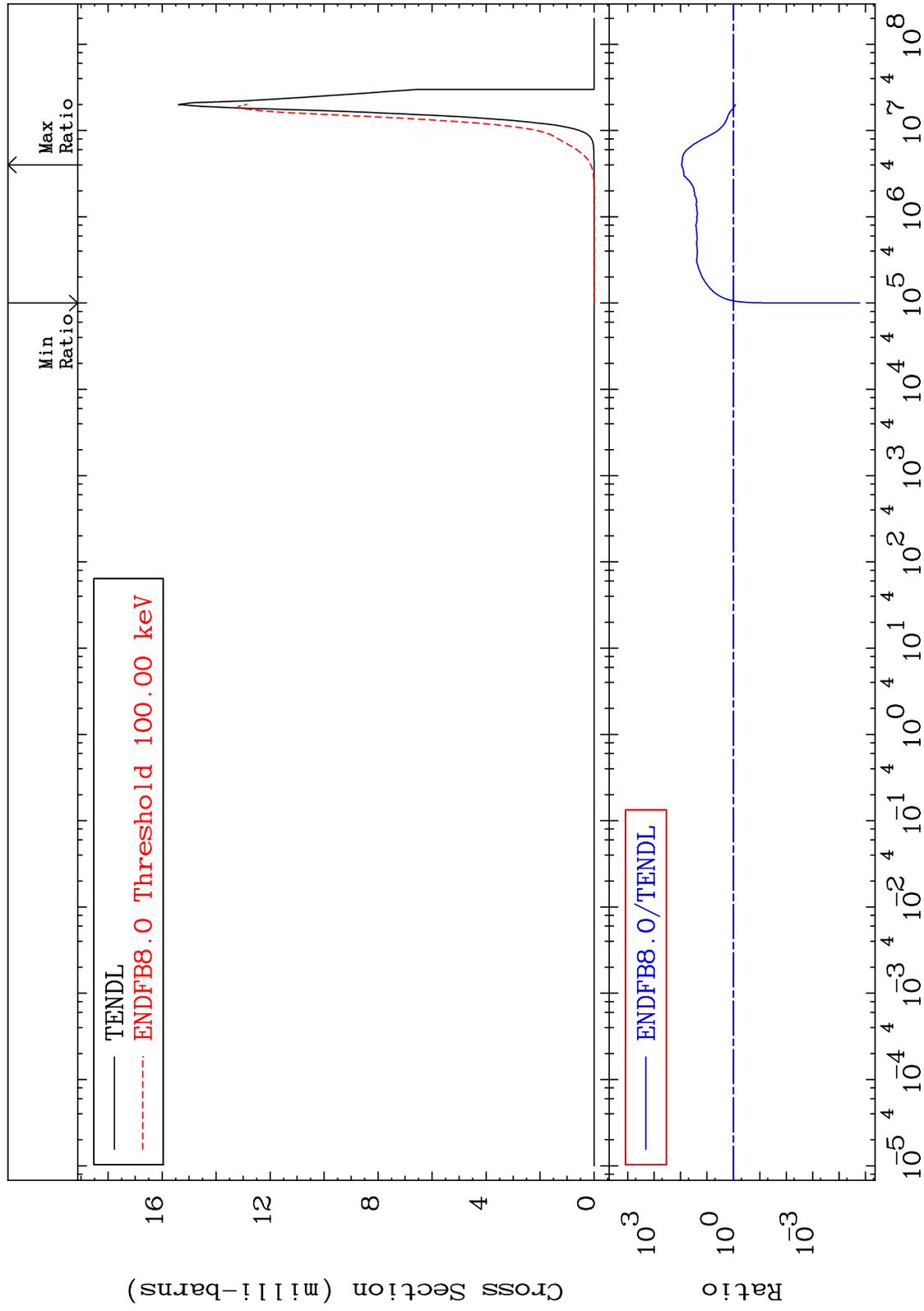
MAT 5431

(n, α)

54-Xe-126

Cross Section

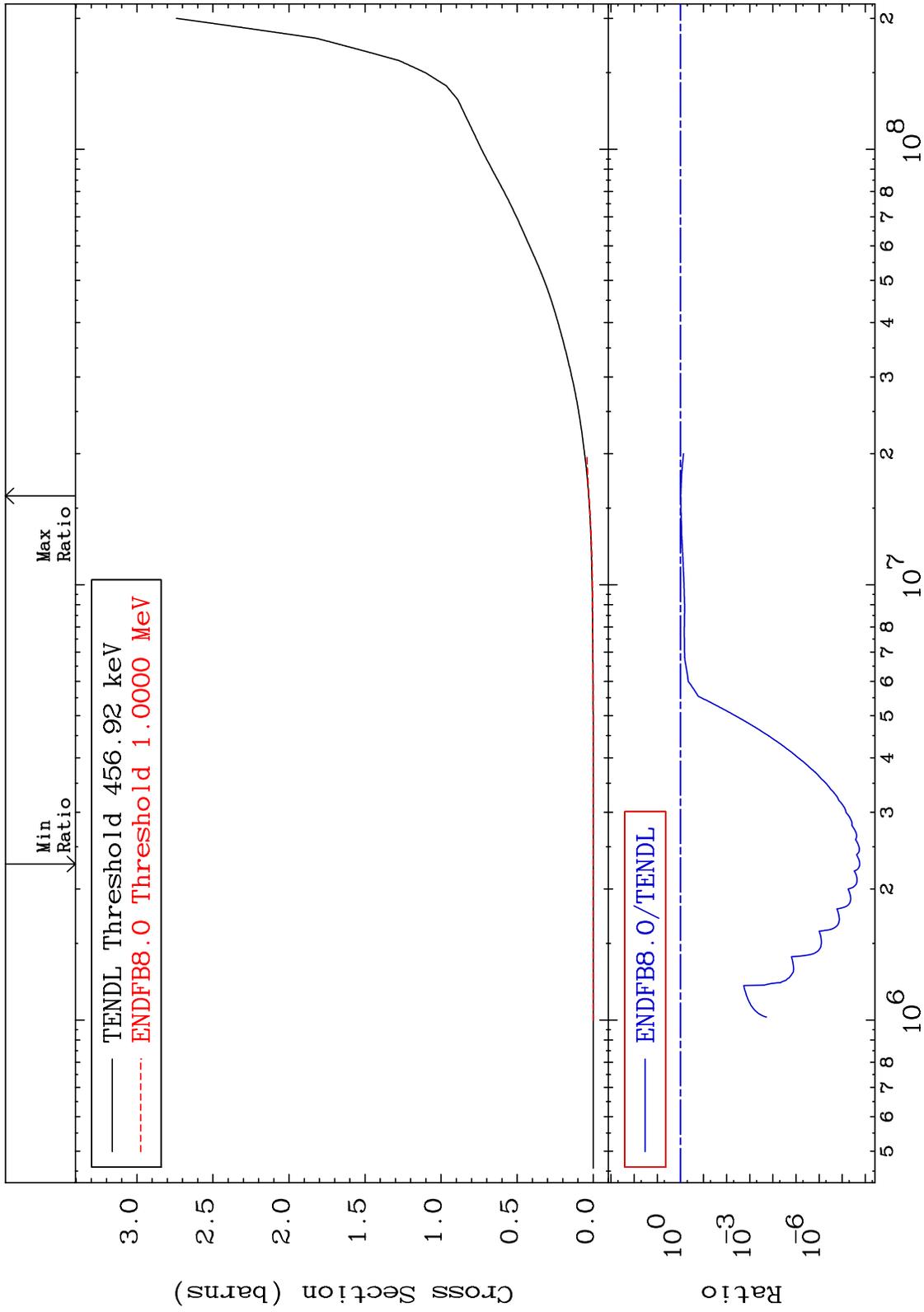
-100.0 To 9134. %



MAT 5431

Hydrogen Production
Cross Section

54-Xe-126
-100.0 To -3.804%



30

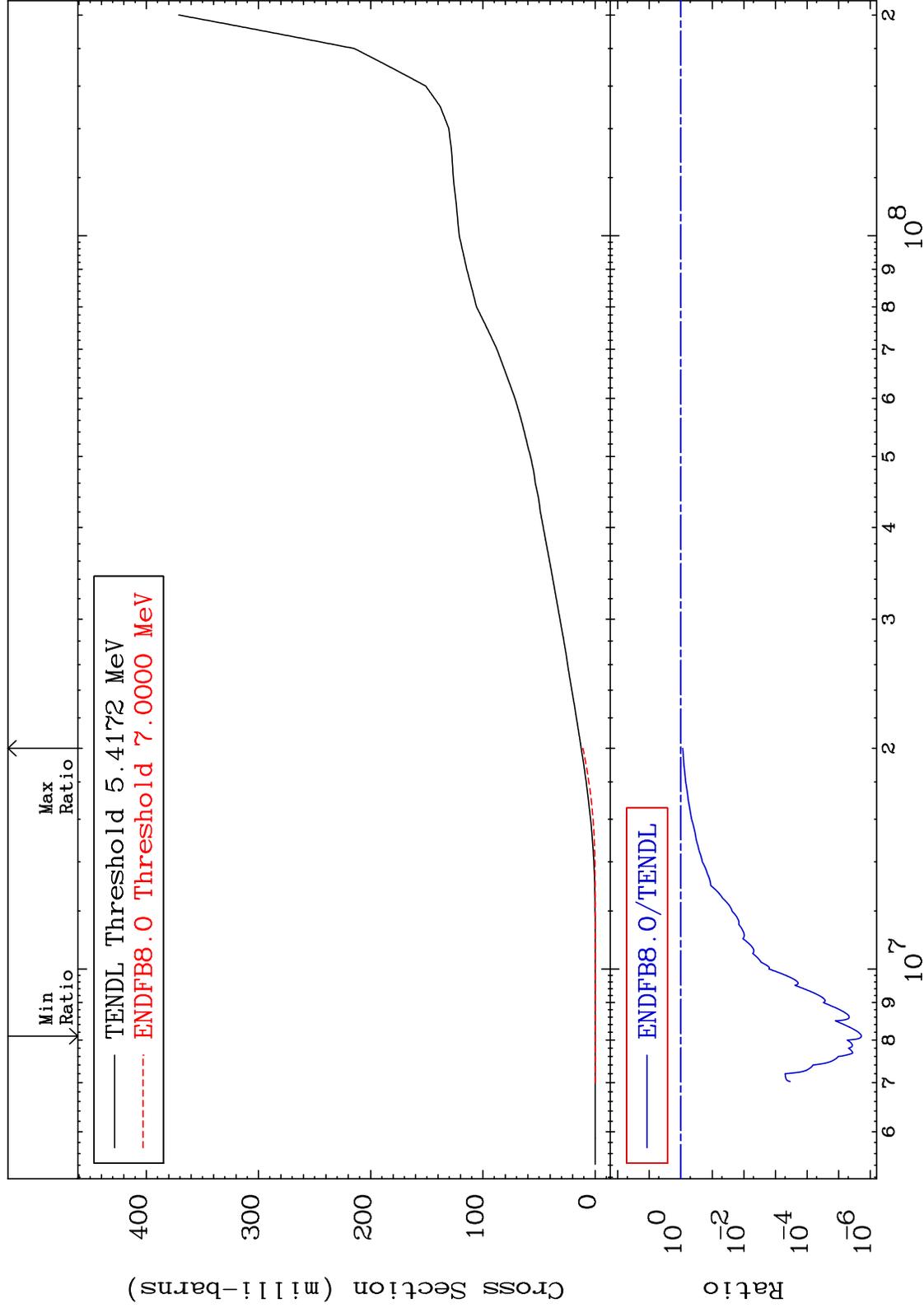
Incident Energy (eV)

54-Xe-126

MAT 5431

Deuterium Production Cross Section

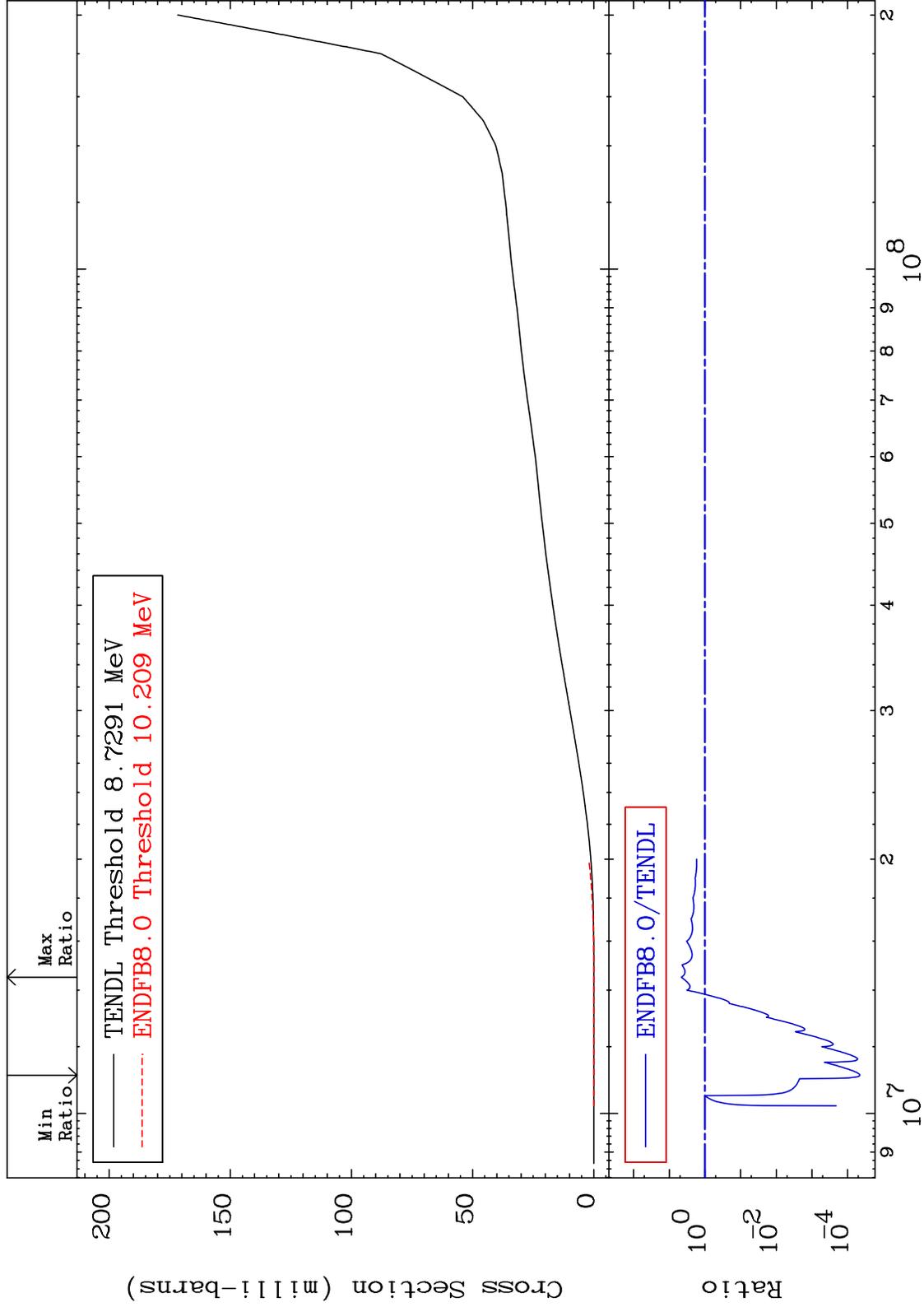
54-Xe-126
-100.0 To -12.53%



MAT 5431

Tritium Production
Cross Section

54-Xe-126
-100.0 To 362.1 %



32

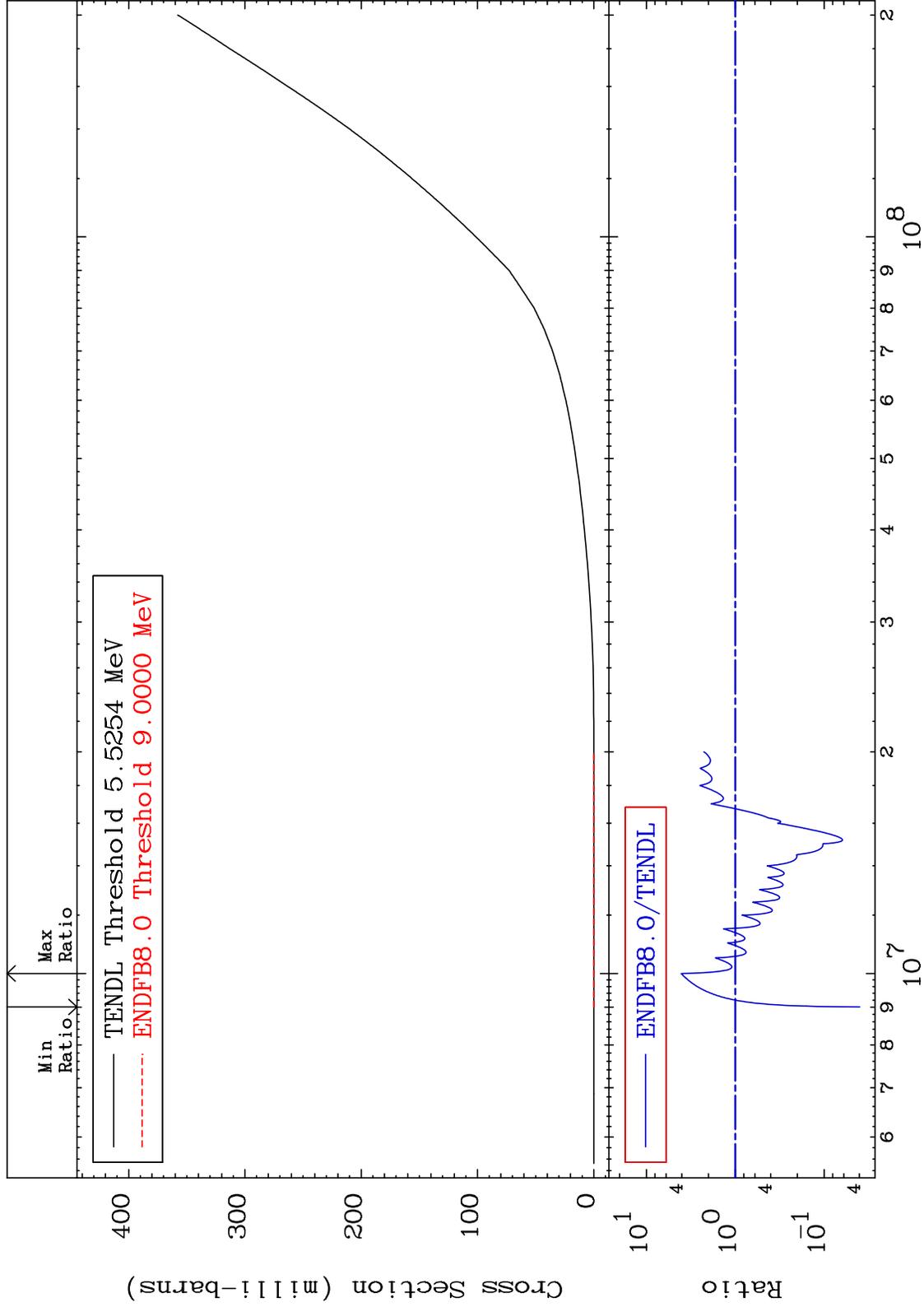
Incident Energy (eV)

54-Xe-126

MAT 5431

He-3 Production
Cross Section

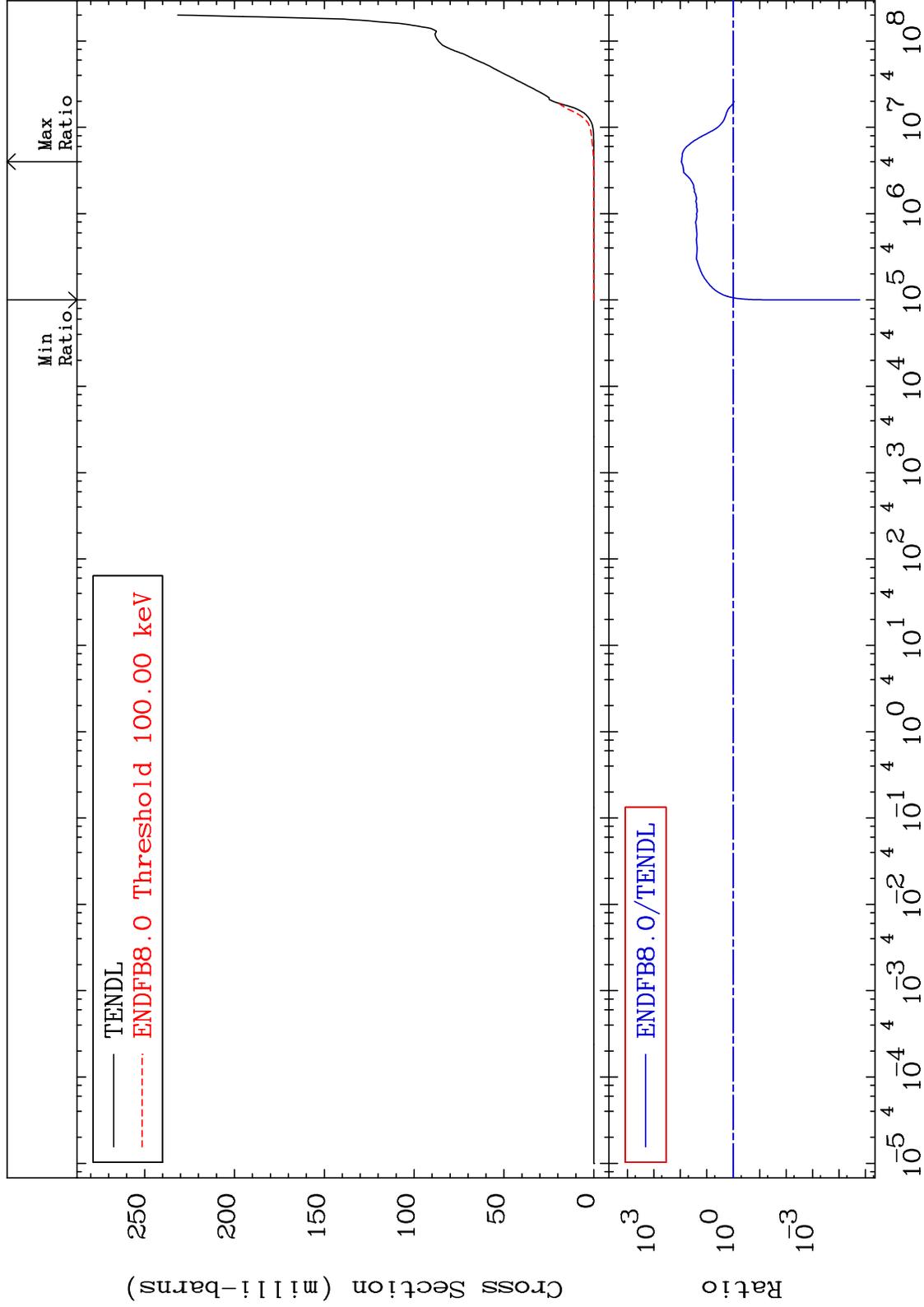
54-Xe-126
-96.04 To 305.2 %



MAT 5431

He-4 Production
Cross Section

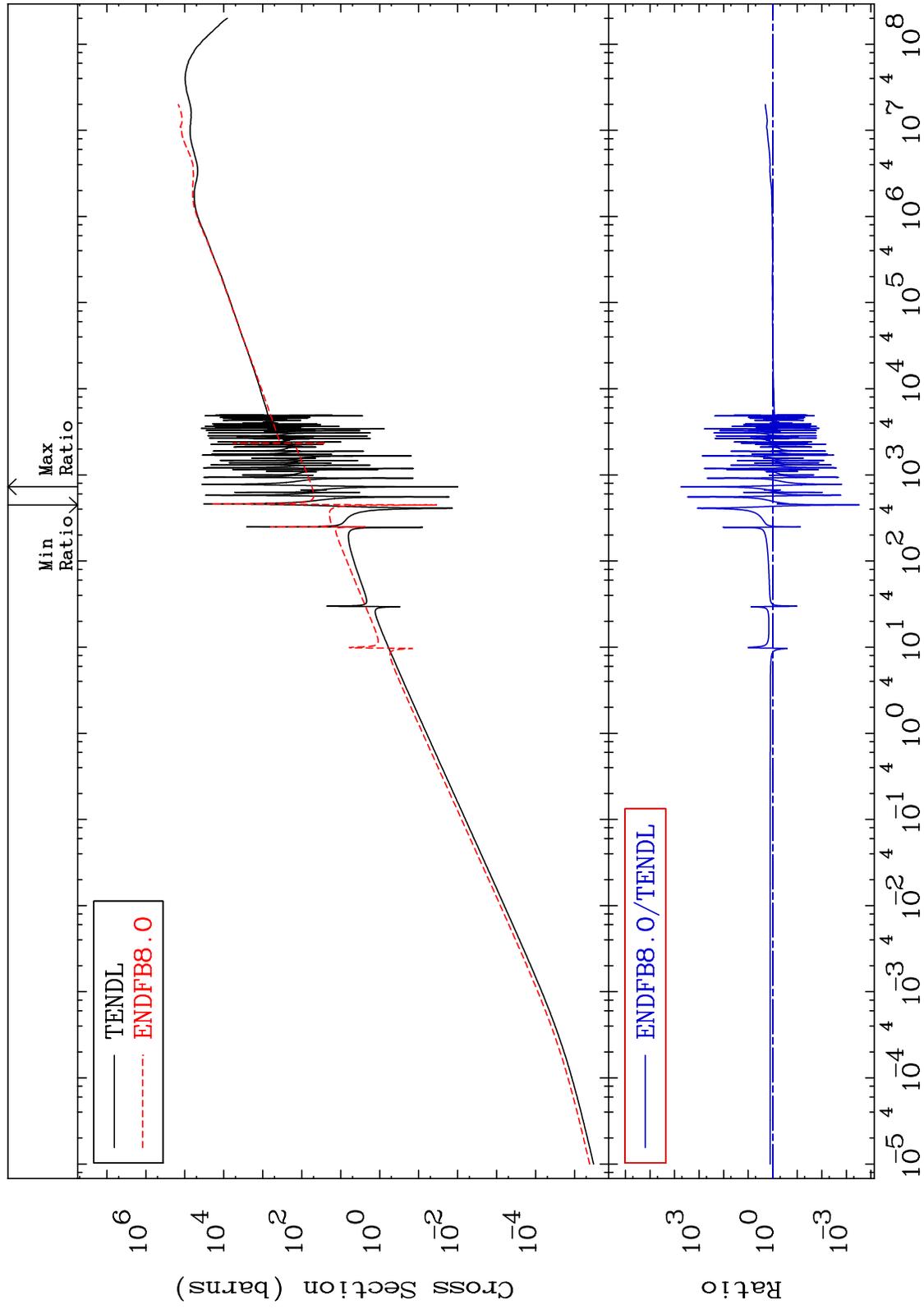
54-Xe-126
-100.0 To 9134. %



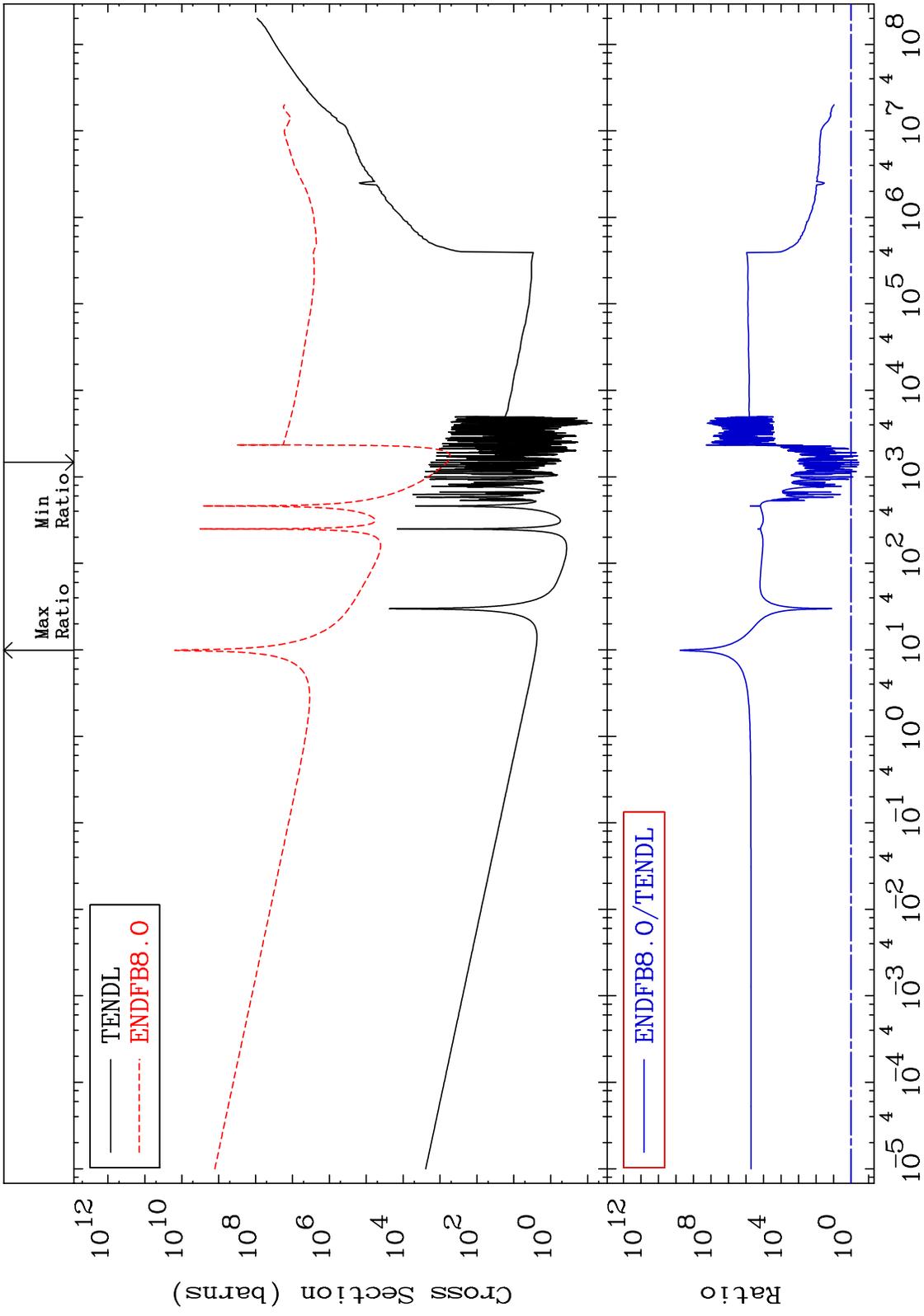
MAT 5431

Kerma elastic
Cross Section

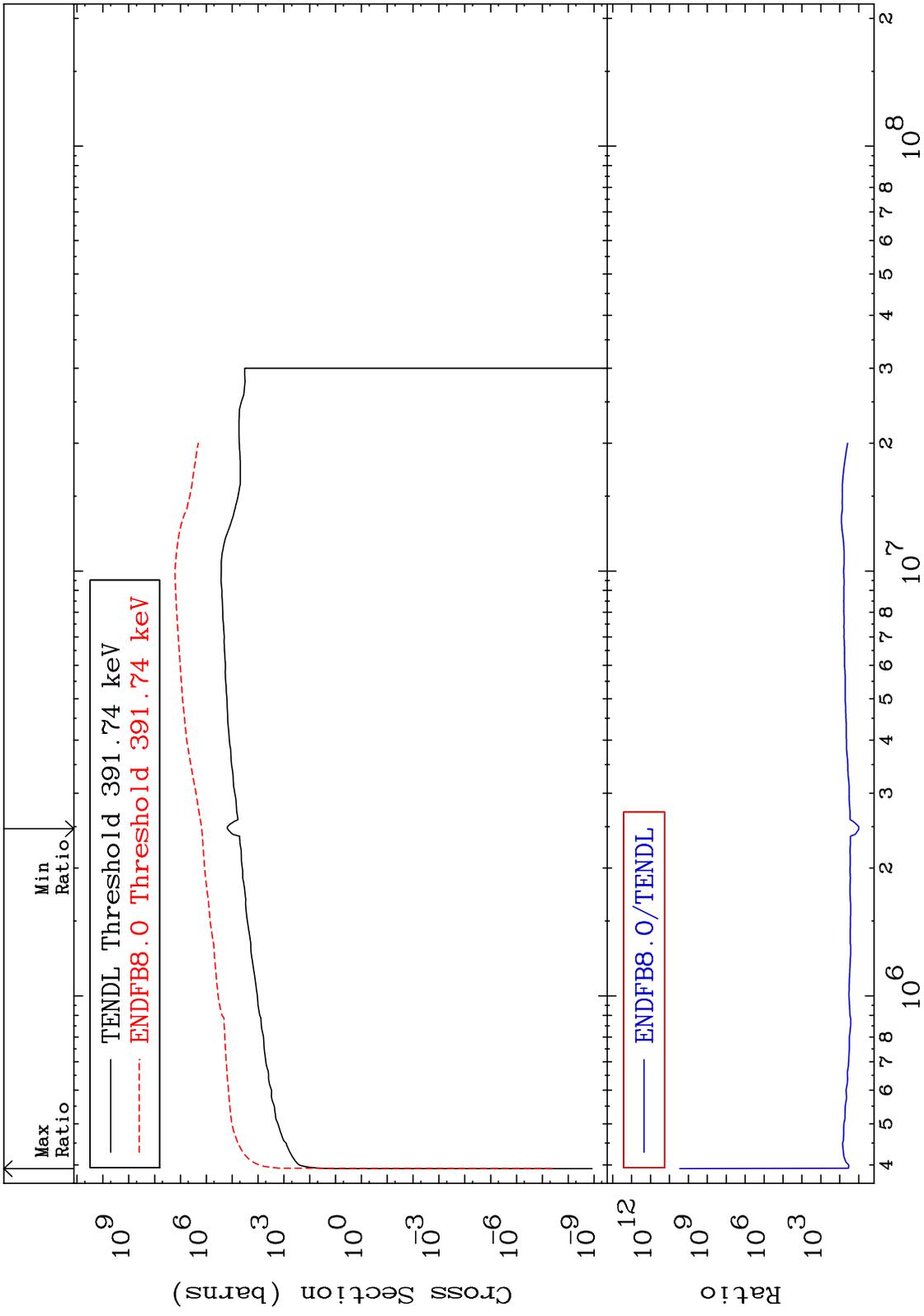
54-Xe-126
-99.97 To 9999. %



MAT 5431 Kerma non-elastic (all but mt2) 54-Xe-126
 -63.70 To 9999. %
 Cross Section



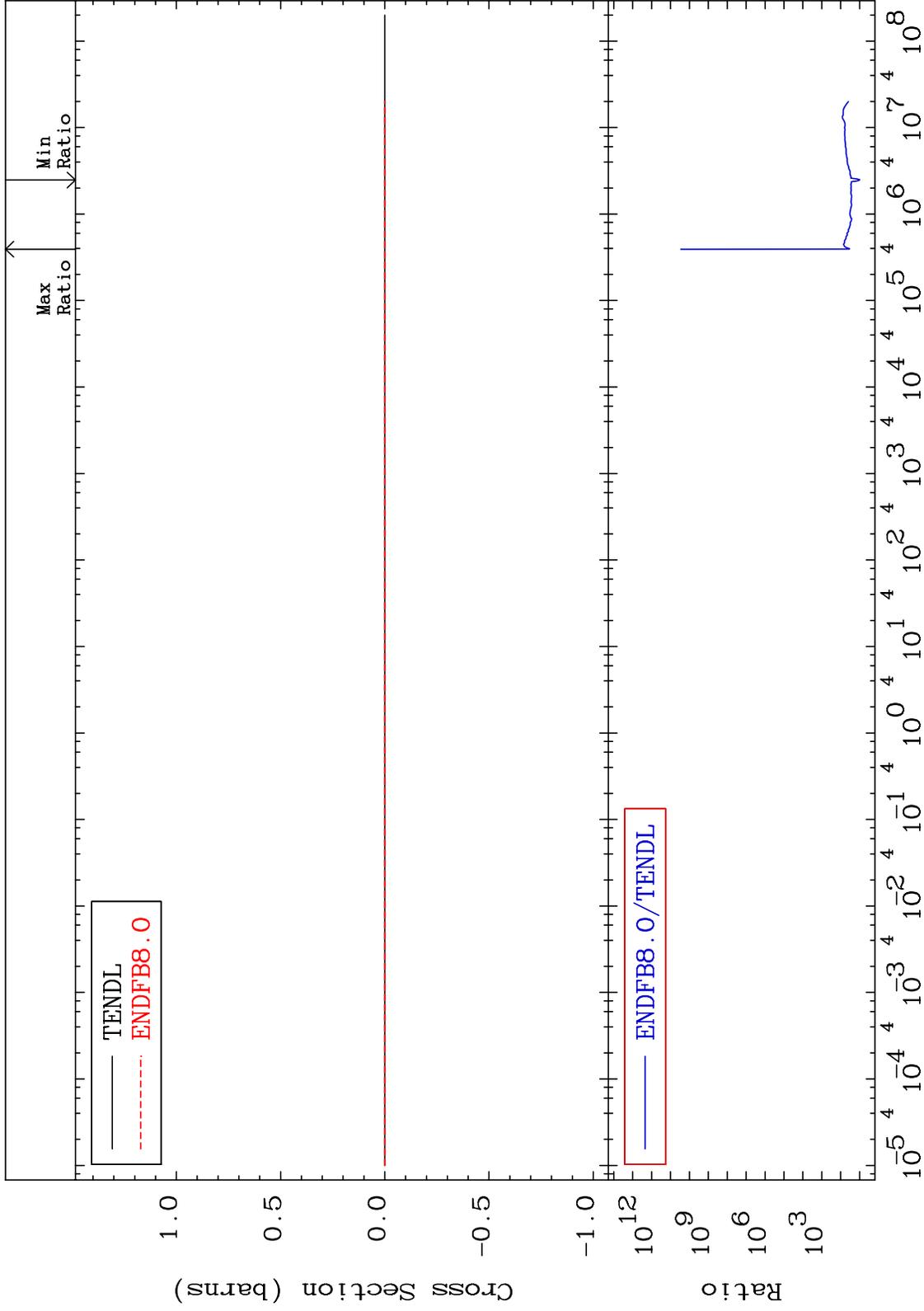
MAT 5431 Kerma inelastic (mt51-91) 54-Xe-126
 Cross Section 890.2 To 9999. %



MAT 5431

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

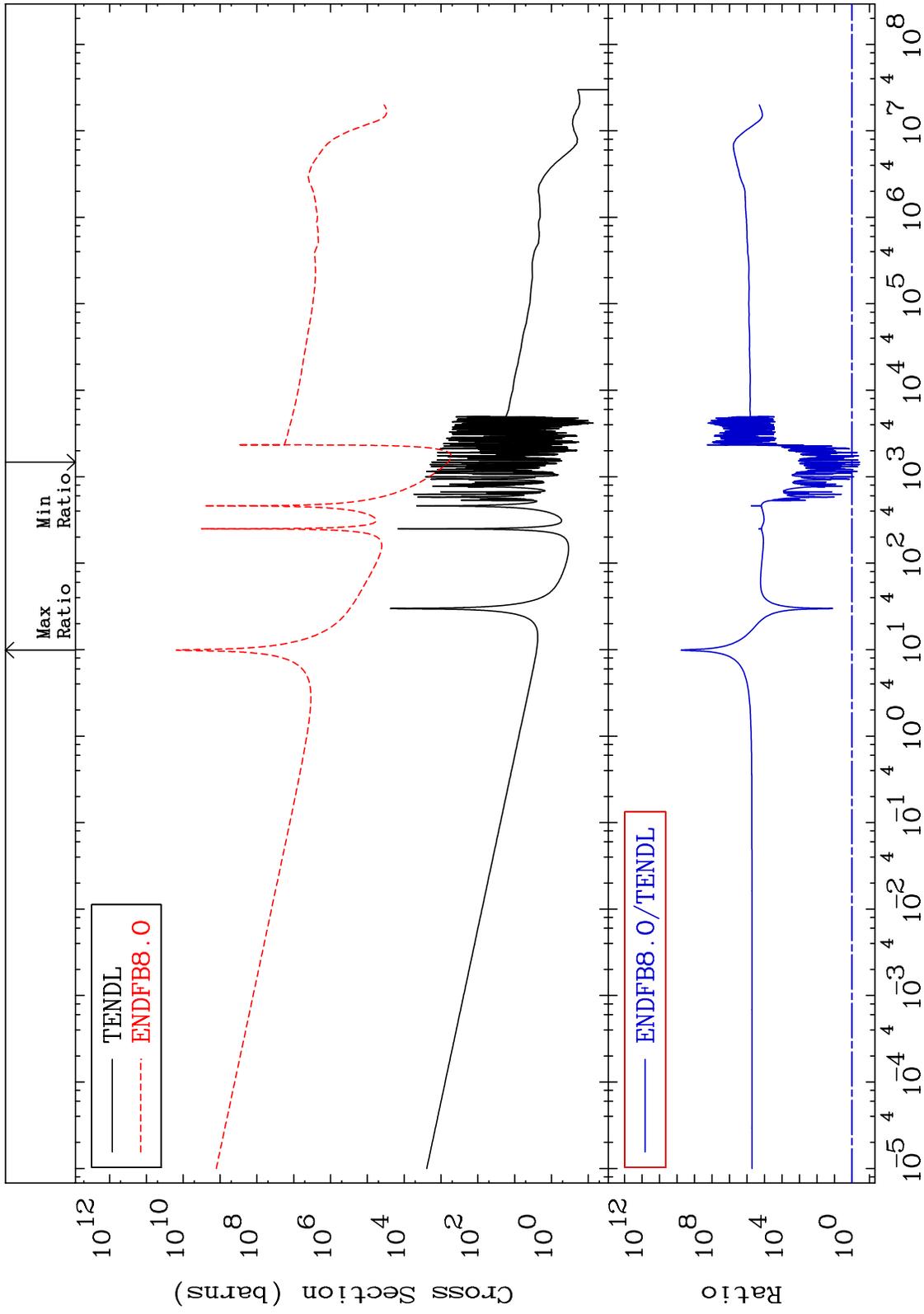
54-Xe-126
890.2 To 9999. %



MAT 5431

Kerma capture (mt102)
Cross Section

54-Xe-126
-63.70 To 9999. %



40

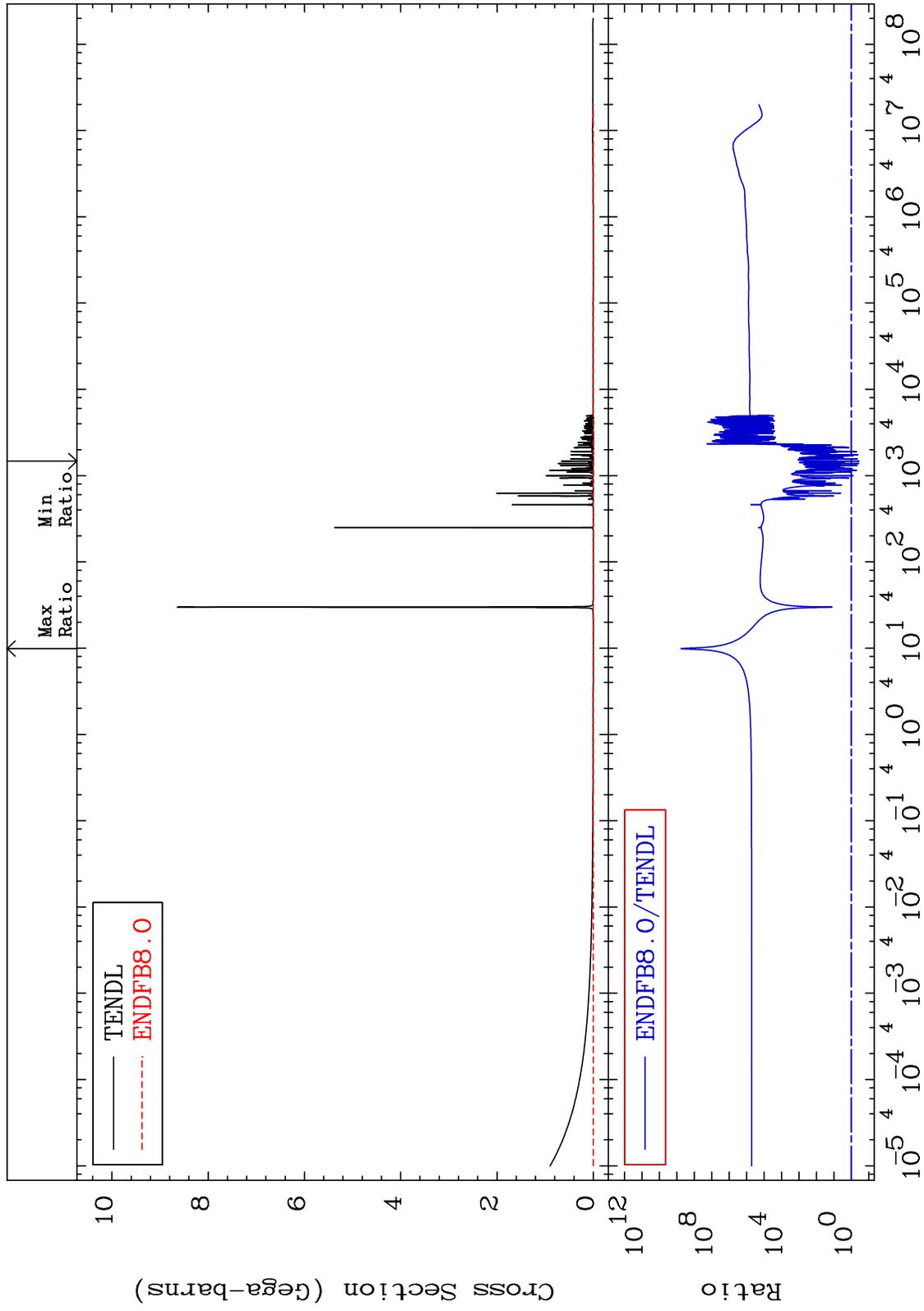
Incident Energy (eV)

54-Xe-126

MAT 5431

Total photon (eV-barns)
Cross Section

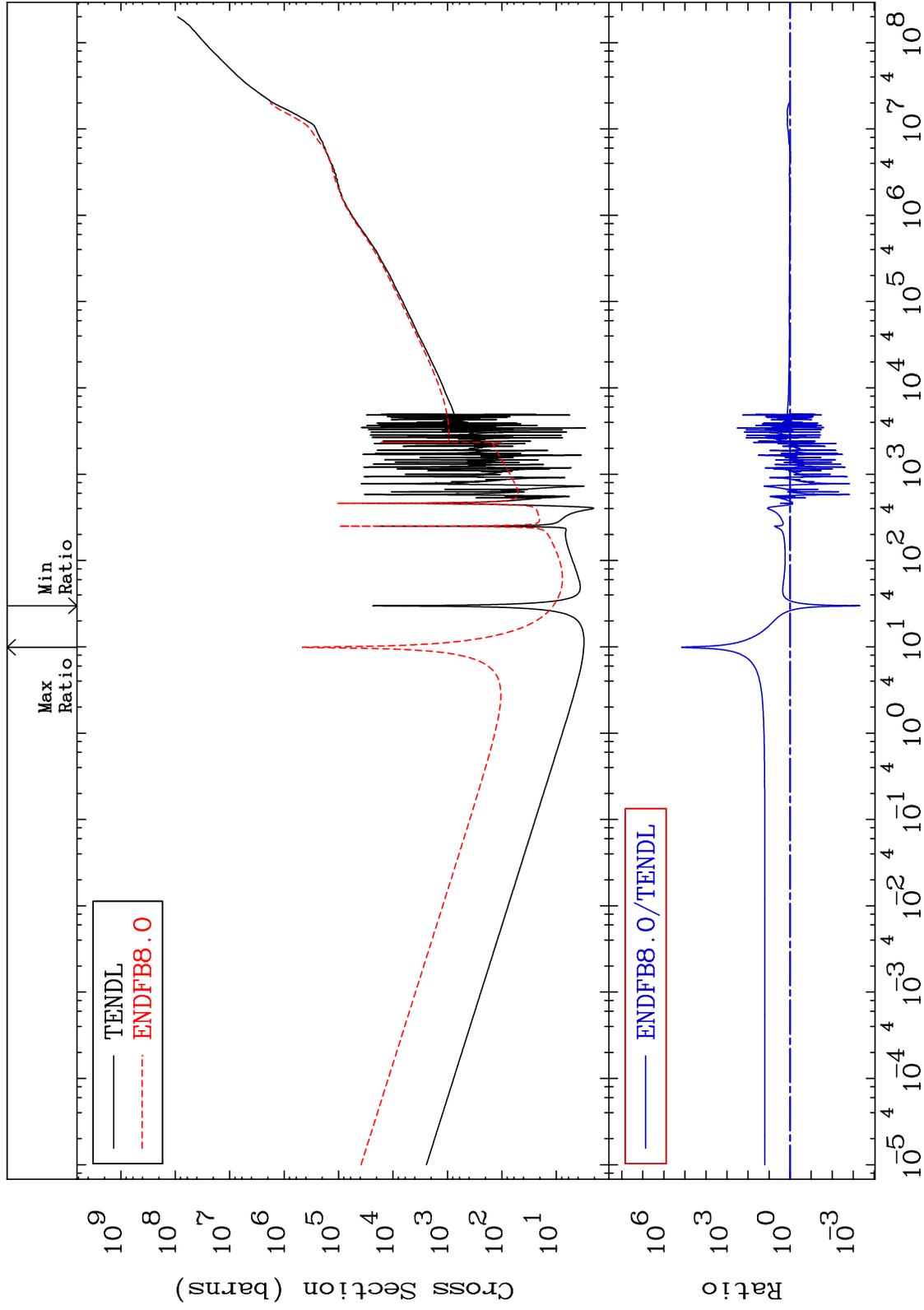
54-Xe-126
-63.70 To 9999. %



MAT 5431

Total kinematic kerma (high limit)
Cross Section

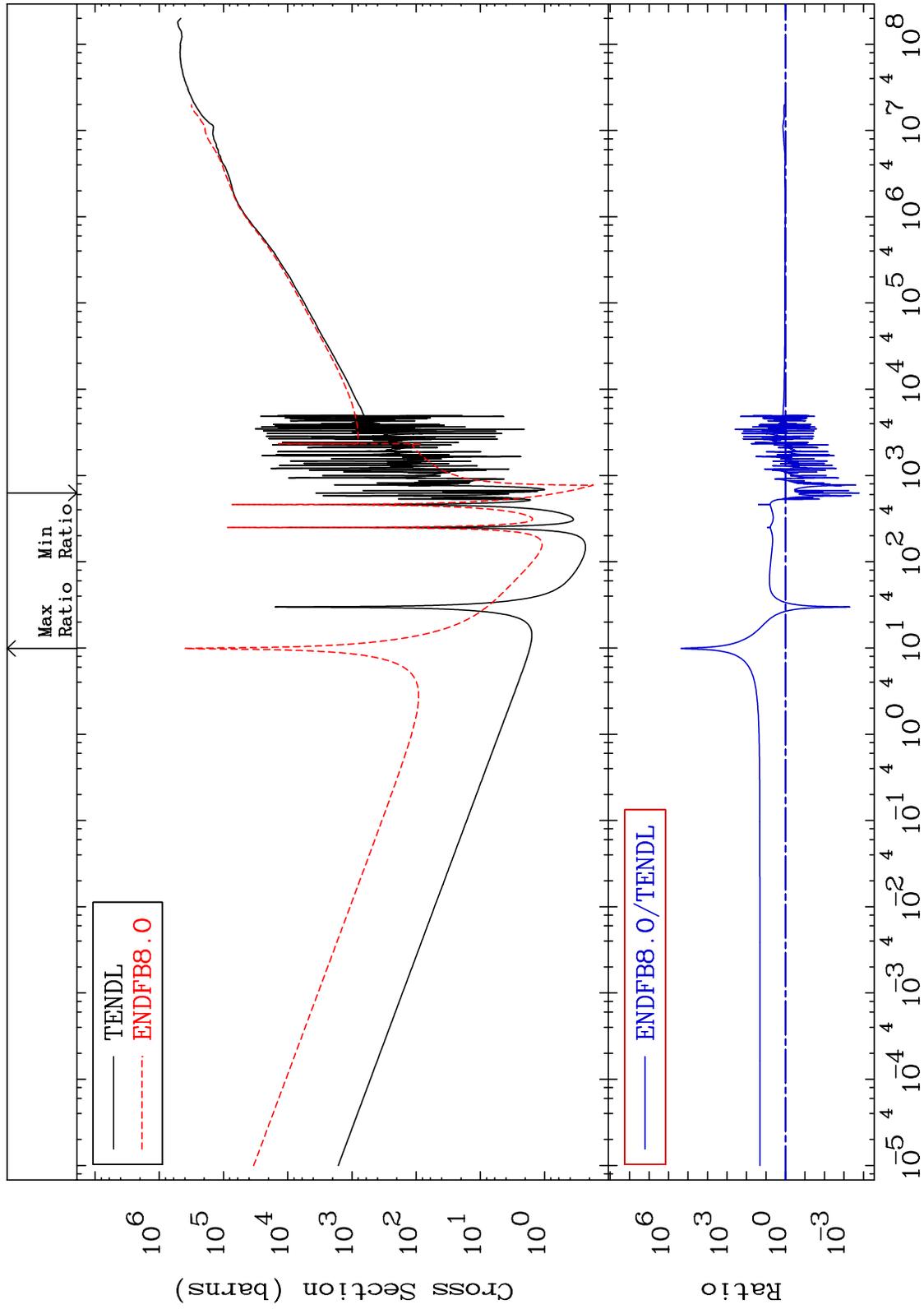
54-Xe-126
-99.95 To 9999. %



MAT 5431

Dpa total (eV-barns)
Cross Section

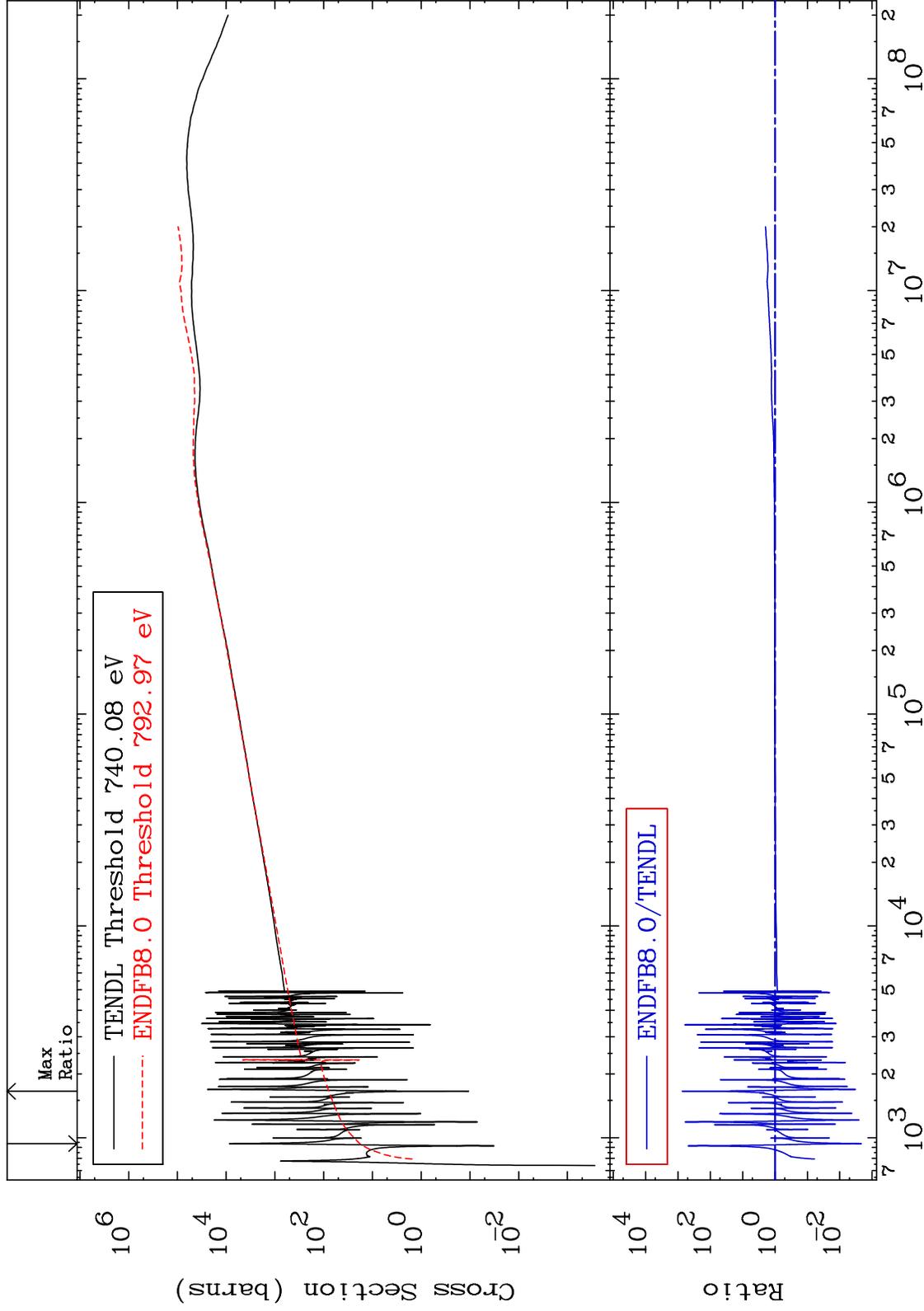
54-Xe-126
-99.98 To 9999. %



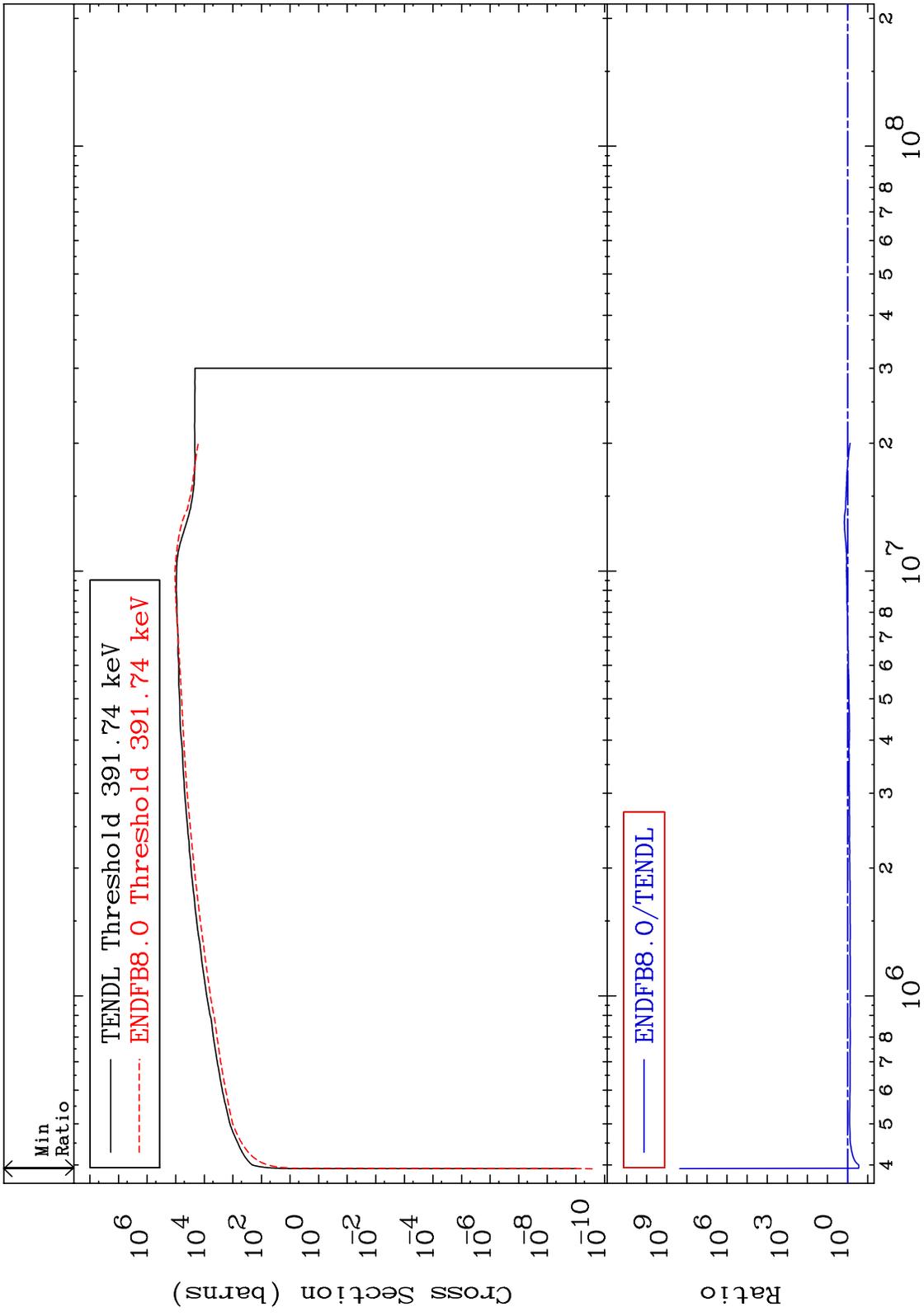
MAT 5431

Dpa elastic (mt2)
Cross Section

54-Xe-126
-99.79 To 9999. %



MAT 5431 Dpa inelastic (mt51-91) 54-Xe-126
 Cross Section -72.50 To 9999. %



MAT 5431

Dpa disappearance (mt102 -120)

54-Xe-126

-100.0 To 9999. %

