

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

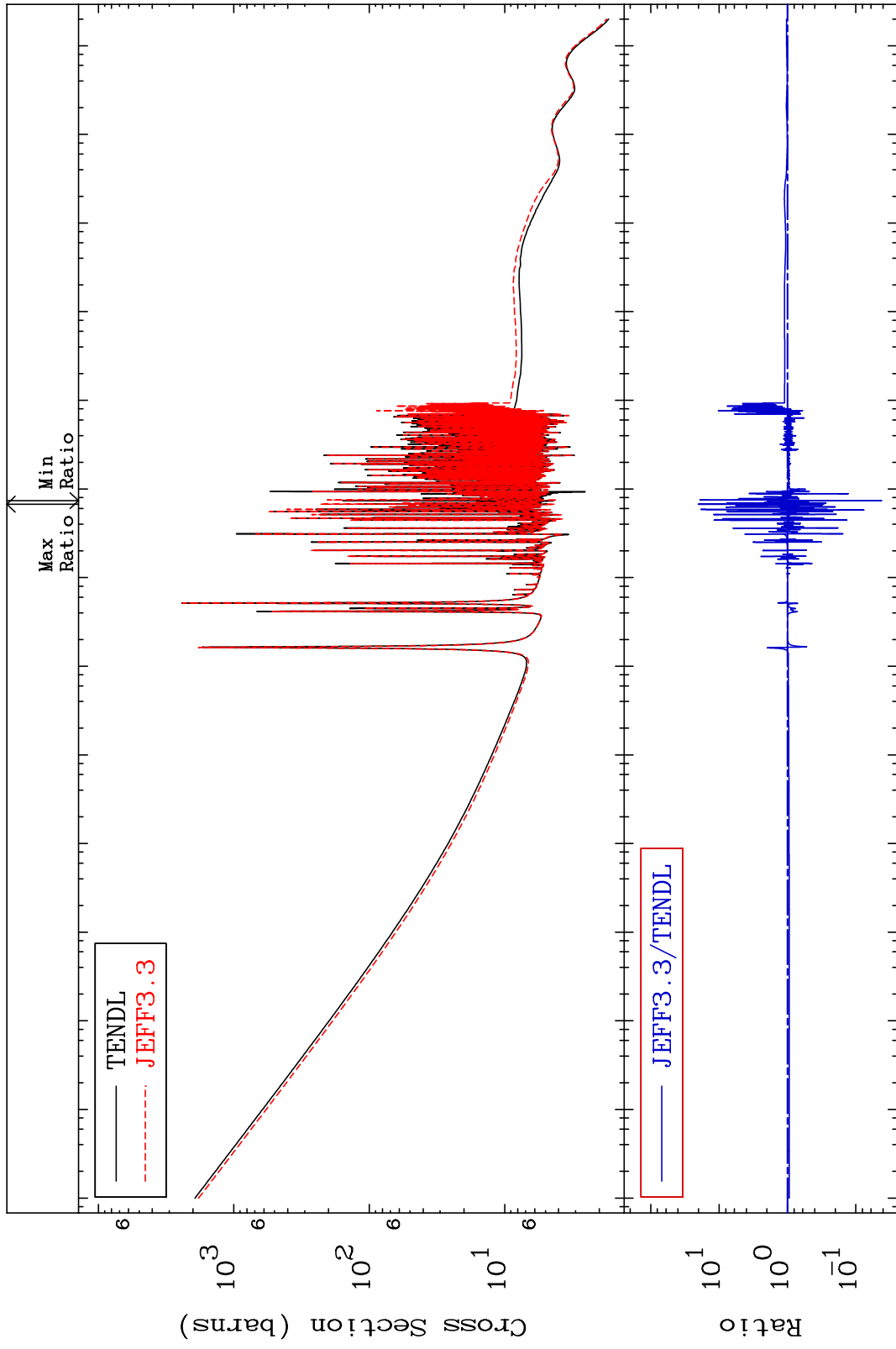
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4725

Total
Cross Section

47-Ag-107
-95.79 To 1914. %



47-Ag-107

Incident Energy (eV)

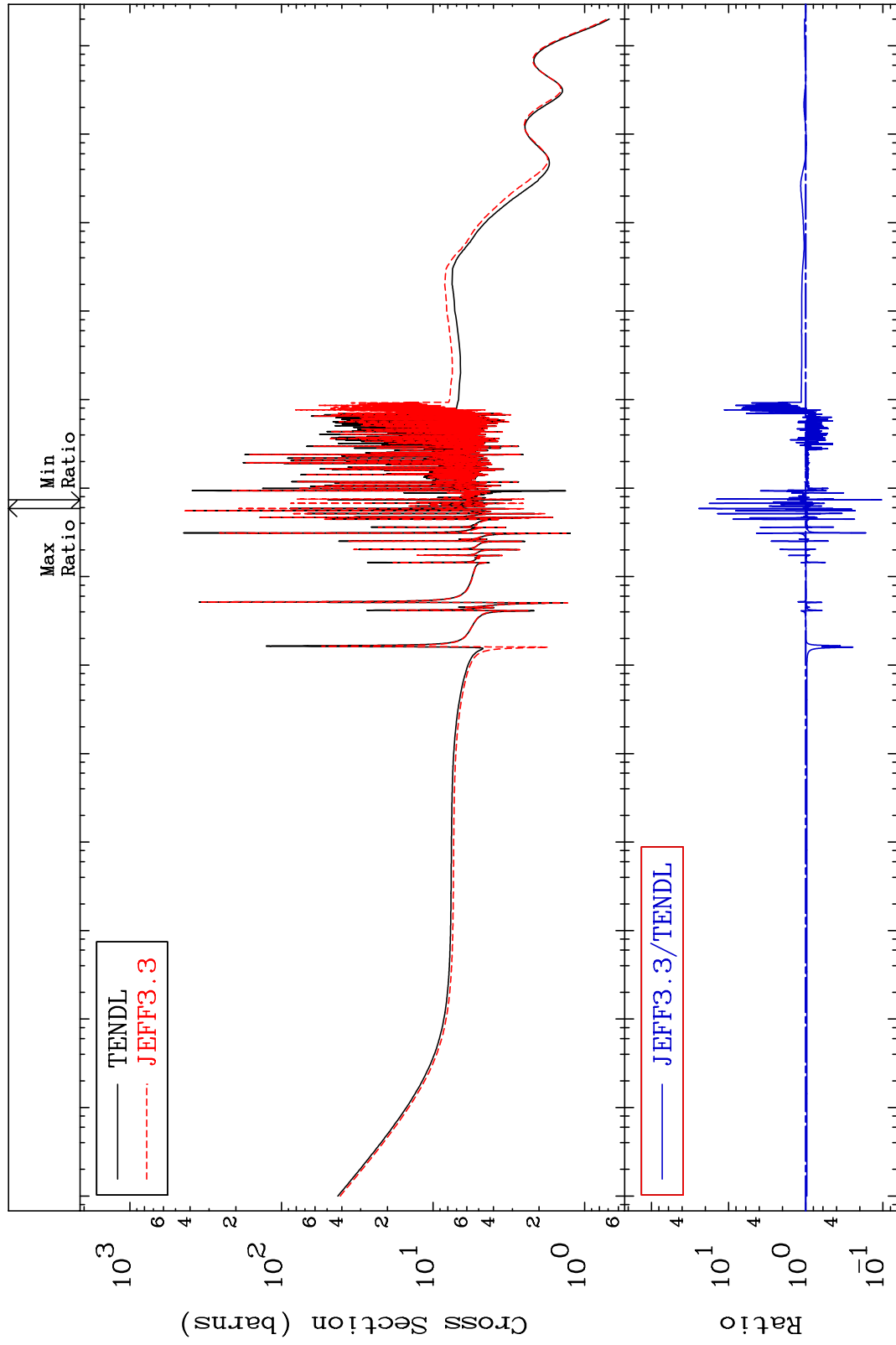
MAT 4725

Elastic

47-Ag-107

Cross Section

-89.57 To 2339. %



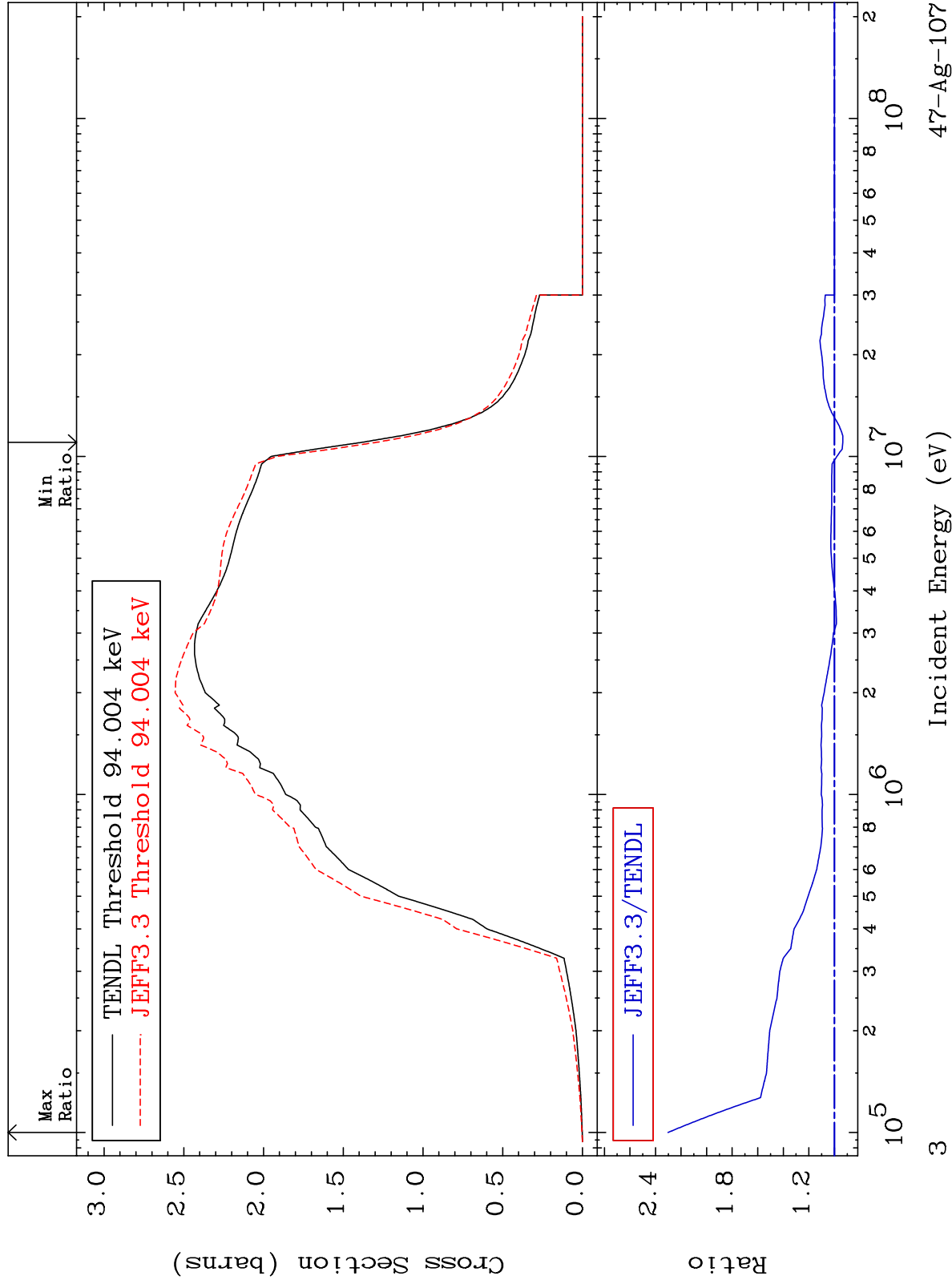
Incident Energy (eV)

47-Ag-107

MAT 4725

Inelastic
Cross Section

47-Ag-107
-6.605 To 130.2 %



47-Ag-107

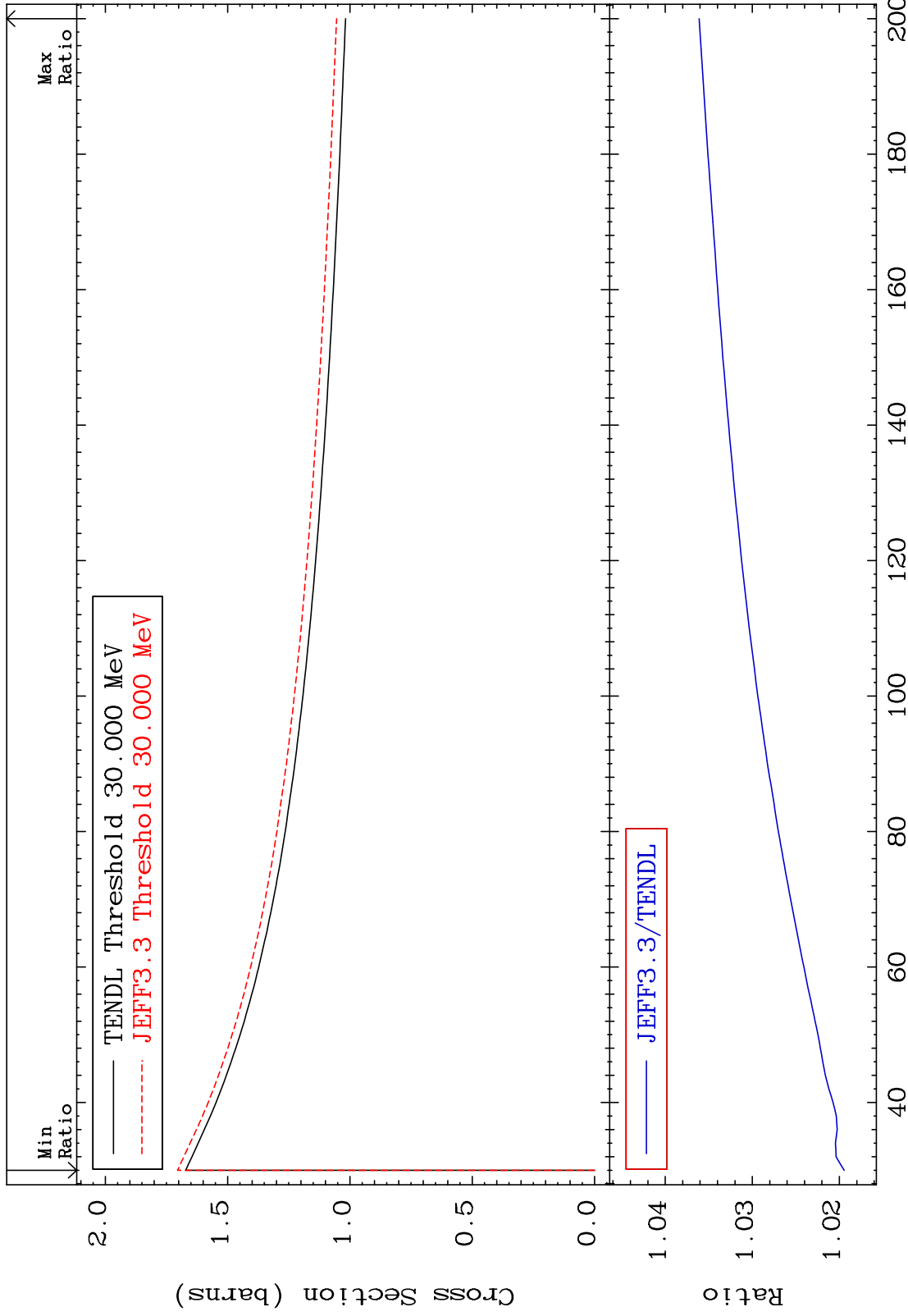
Incident Energy (eV)

3

MAT 4725

(n, remainder)
Cross Section

47-Ag-107
1.946 To 3.611 %



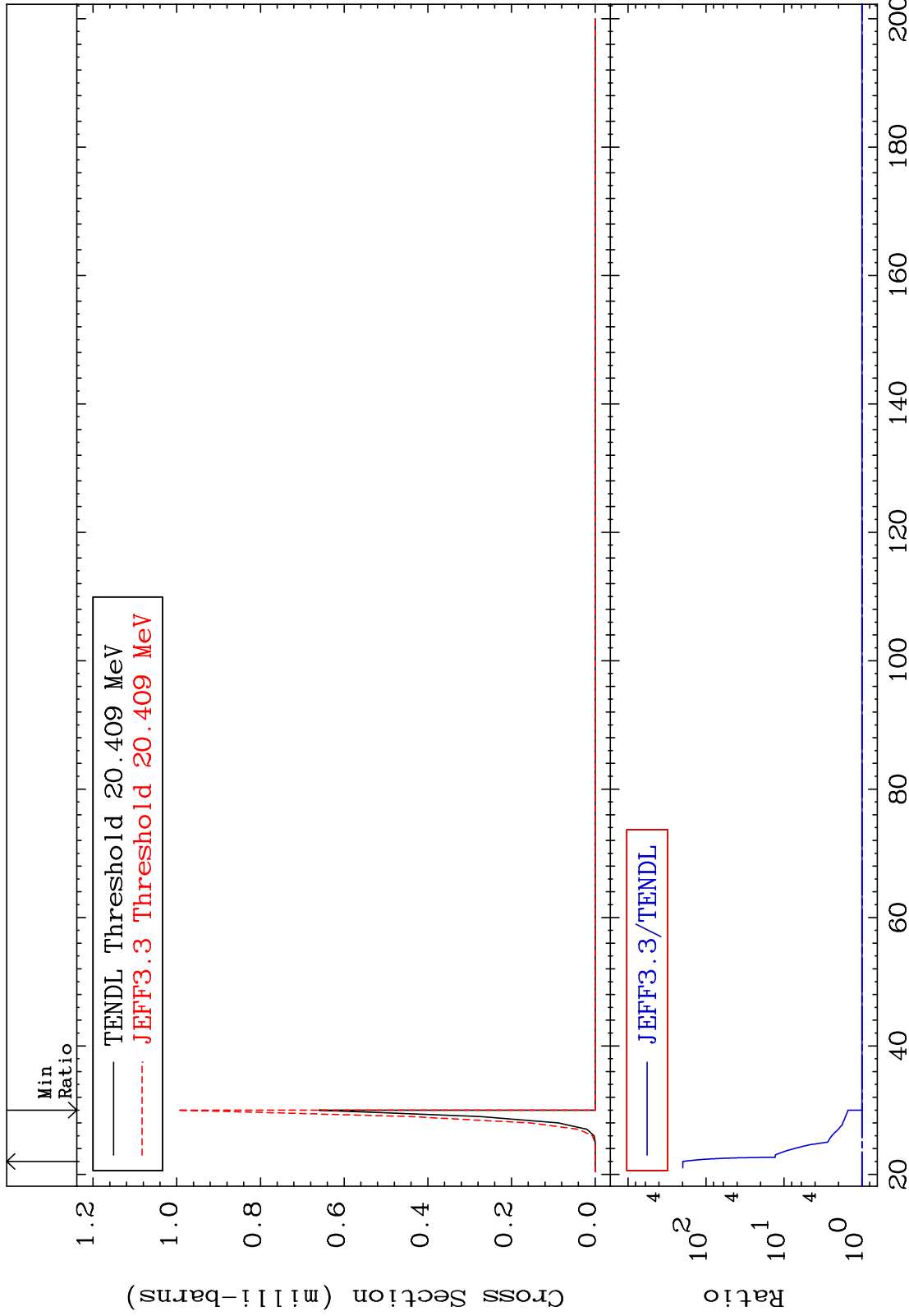
MAT 4725

(n,2n) d

47-Ag-107

Cross Section

0.000 To 9999. %



Incident Energy (MeV)

47-Ag-107

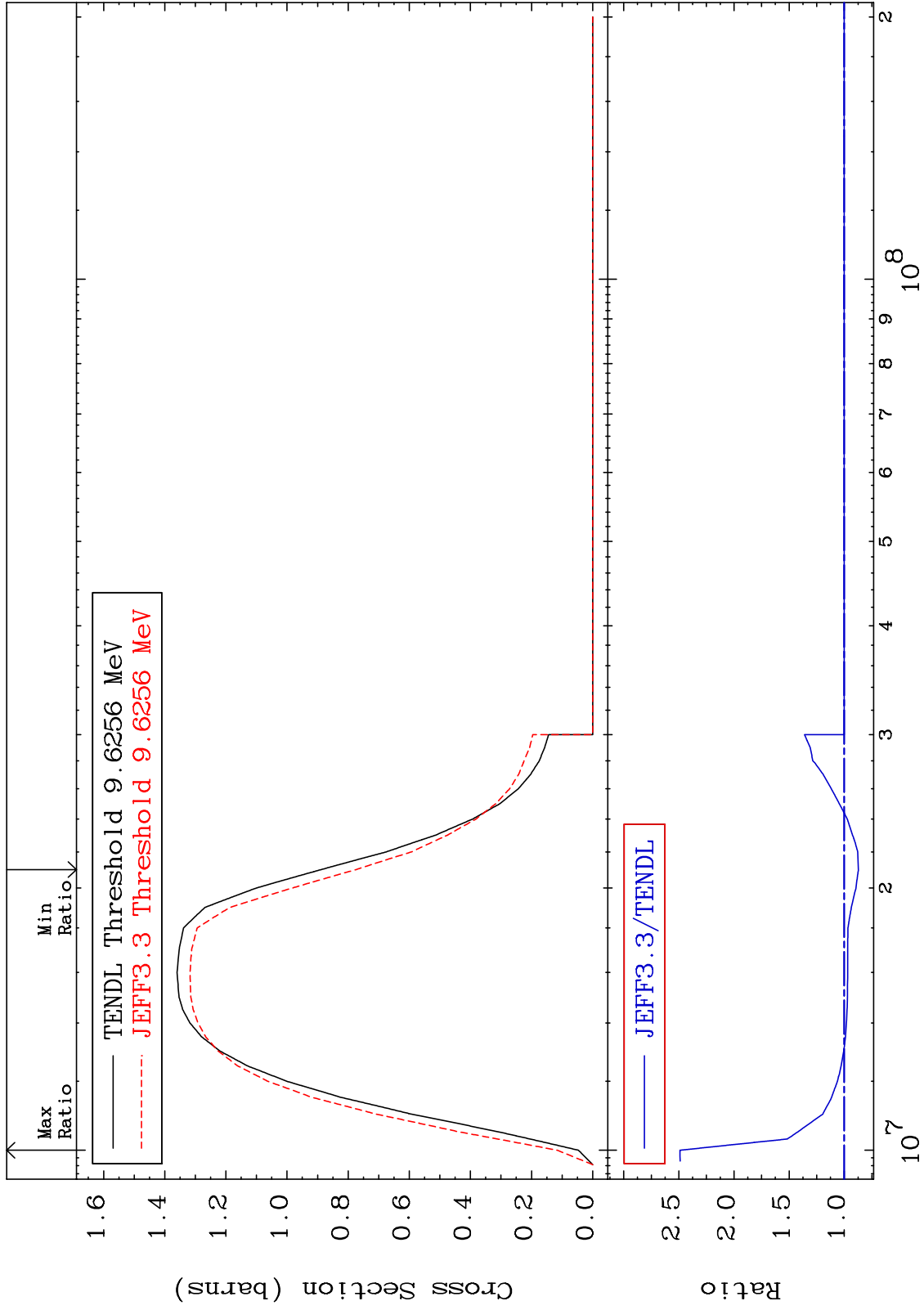
MAT 4725

(n,2n)

47-Ag-107

Cross Section

-12.83 To 148.9 %



Incident Energy (eV)

47-Ag-107

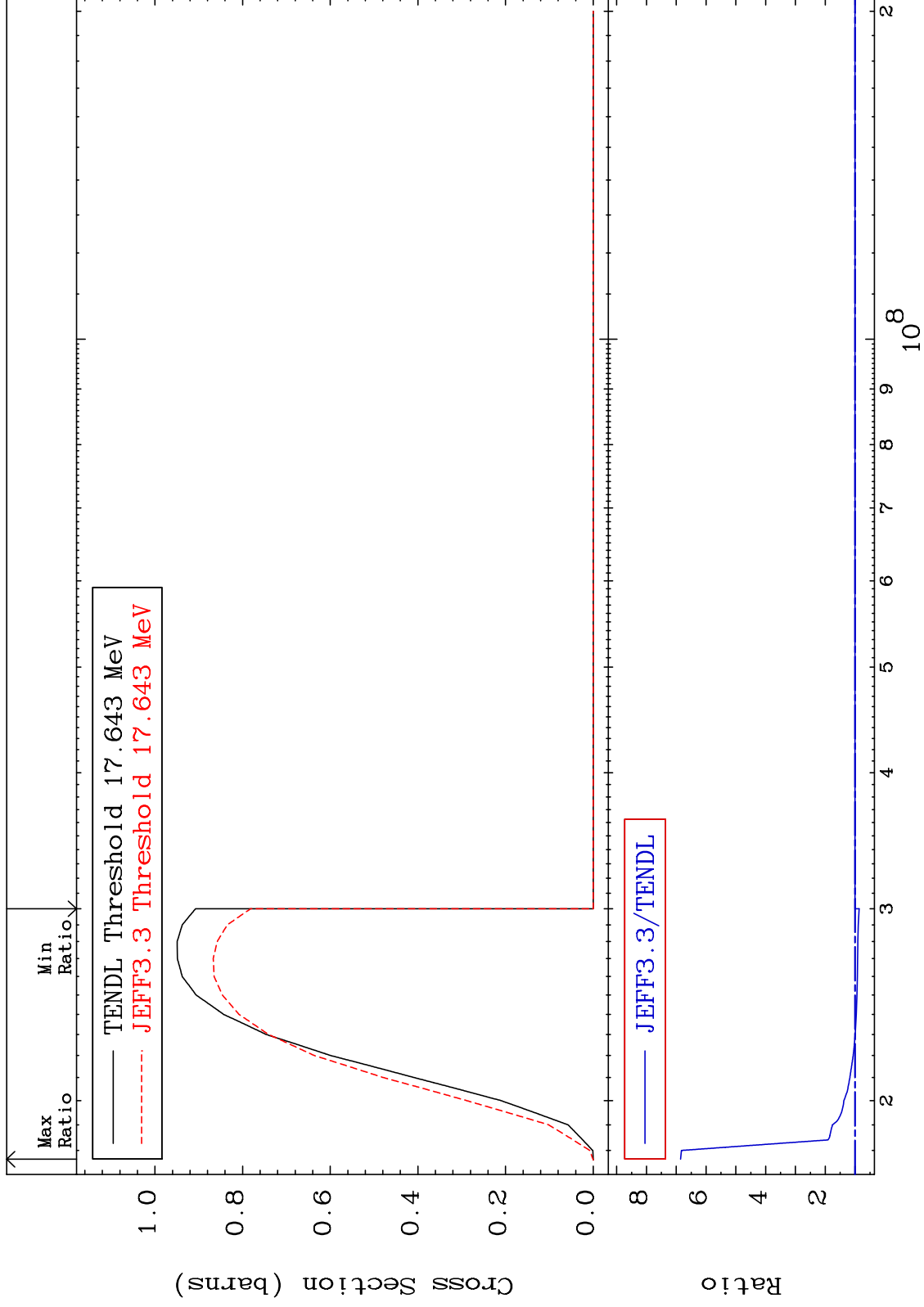
MAT 4725

(n, 3n)

47-Ag-107

Cross Section

-13.85 To 585.4 %



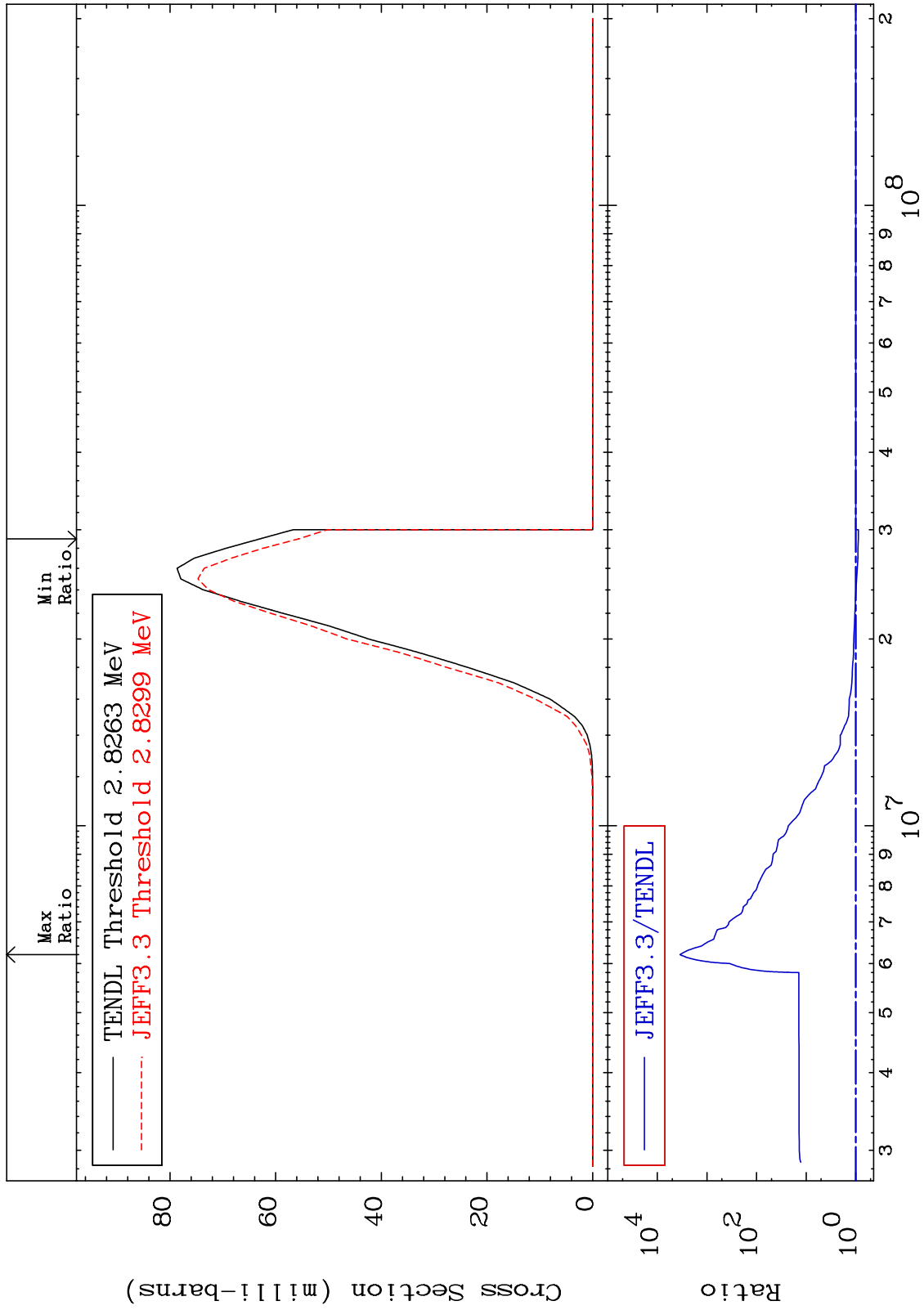
MAT 4725

(n, n') α

47-Ag-107

-11.66 To 9999. %

Cross Section



Max Ratio

Min Ratio

TENDL Threshold 2.8263 MeV
JEFF3.3 Threshold 2.8299 MeV

JEFF3.3/TENDL

Cross Section (milli-barns)

Ratio

8

Incident Energy (eV)

47-Ag-107

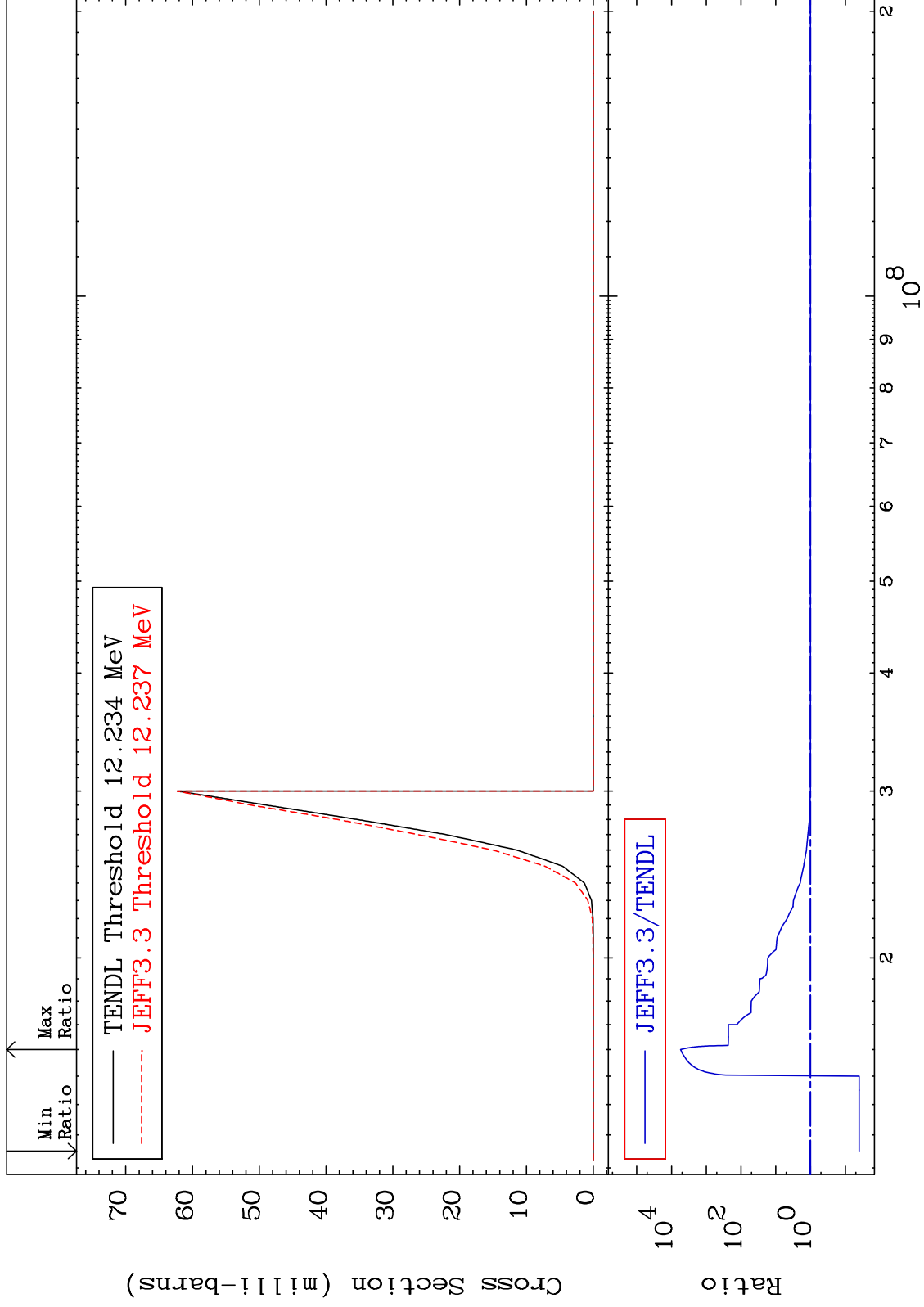
MAT 4725

(n,2n) α

47-Ag-107

Cross Section

-96.01 To 9999. %



MAT 4725

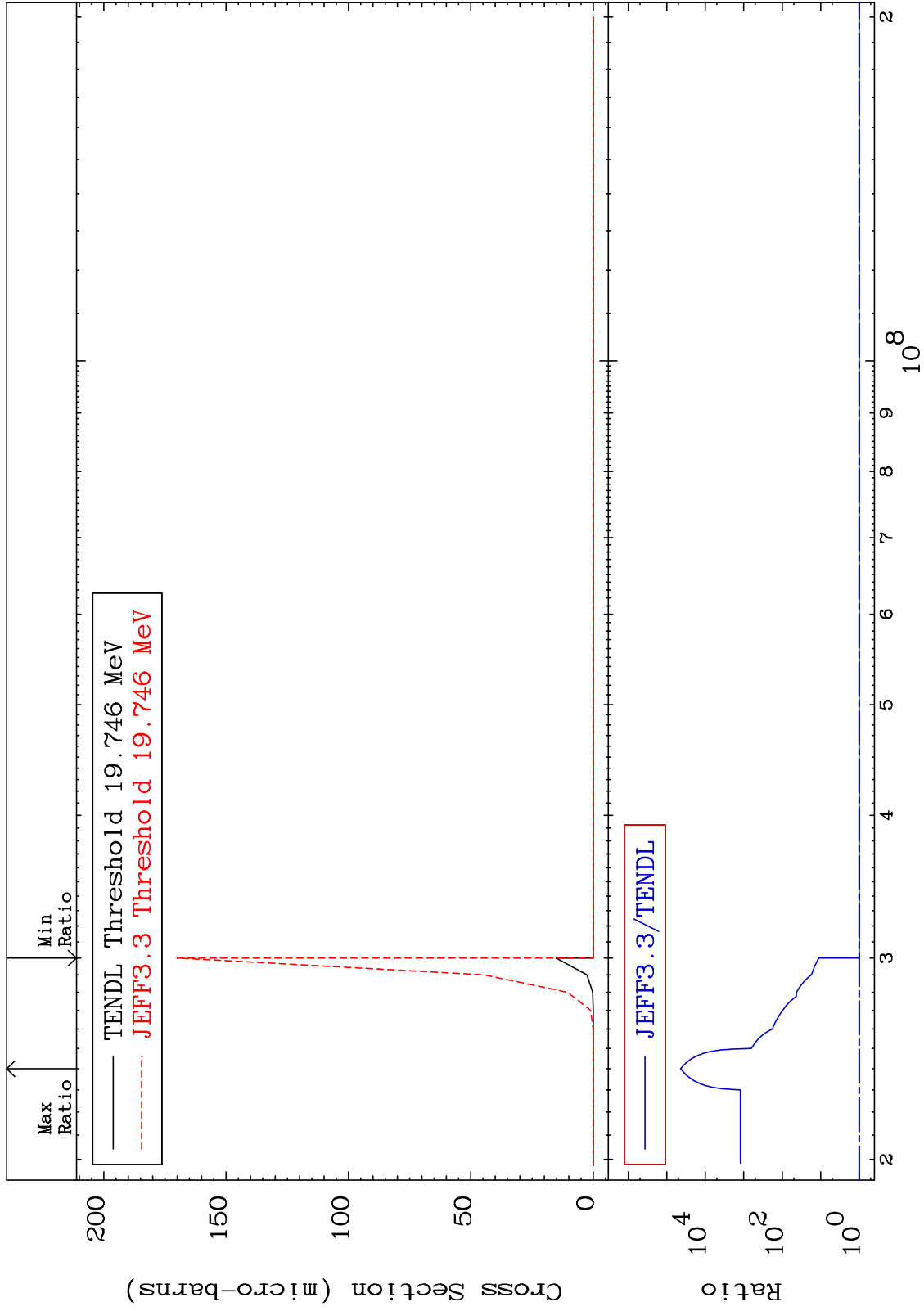
(n,3n) α

47-Ag-107

Cross Section

0.000

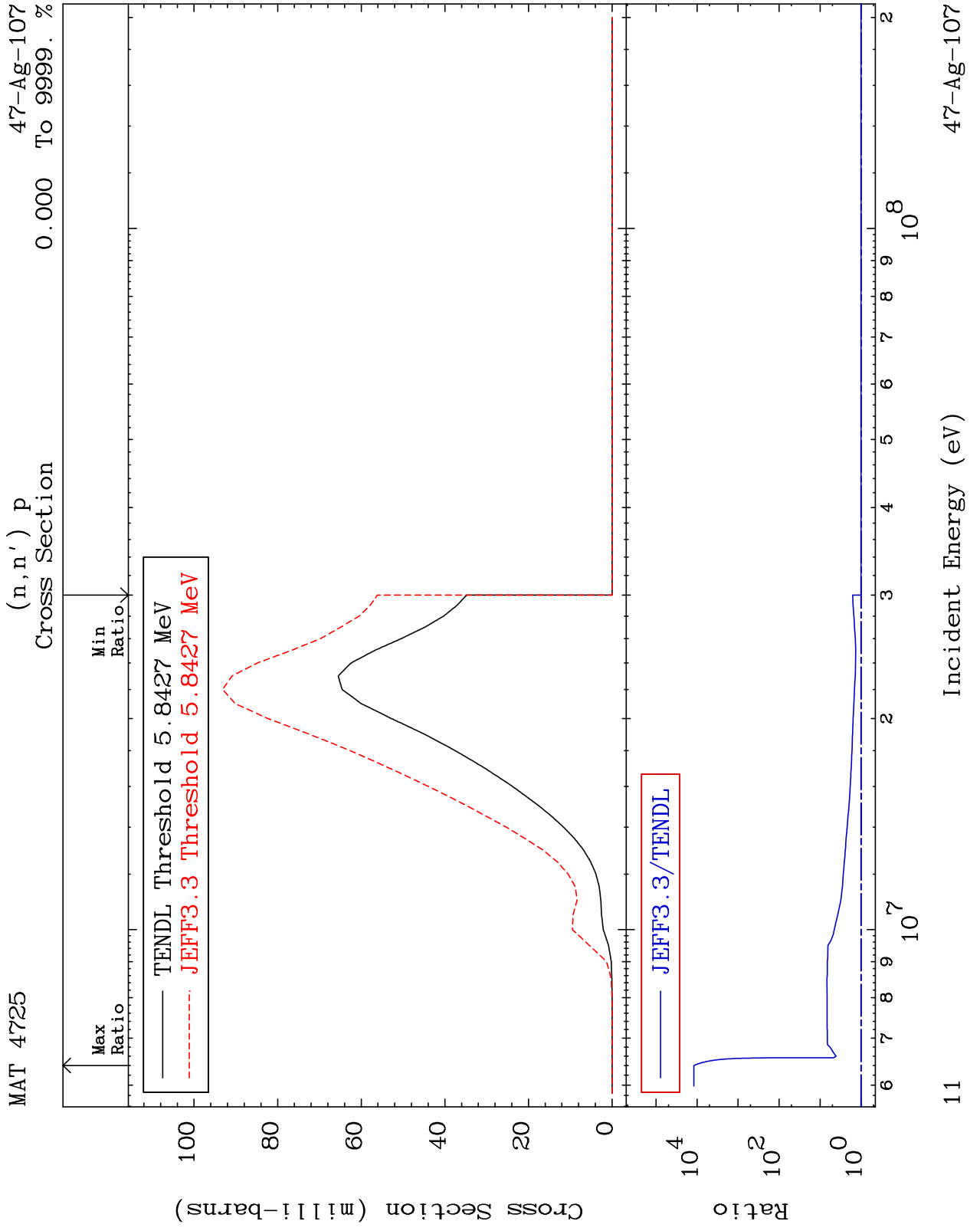
To 9999. %



10

Incident Energy (eV)

47-Ag-107



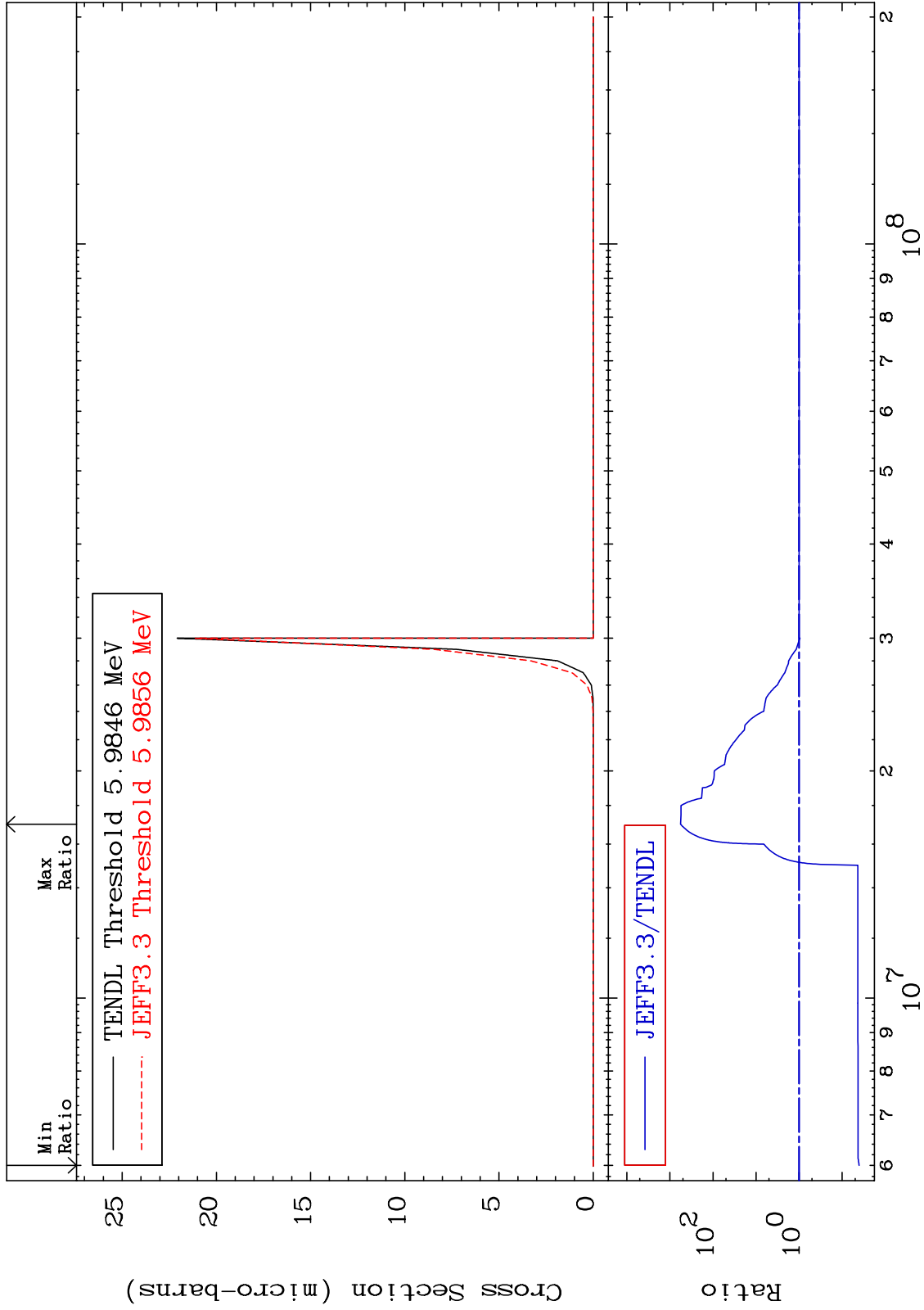
MAT 4725

(n, n') 2α

47-Ag-107

-95.98 To 9999. %

Cross Section



12

47-Ag-107

47-Ag-107

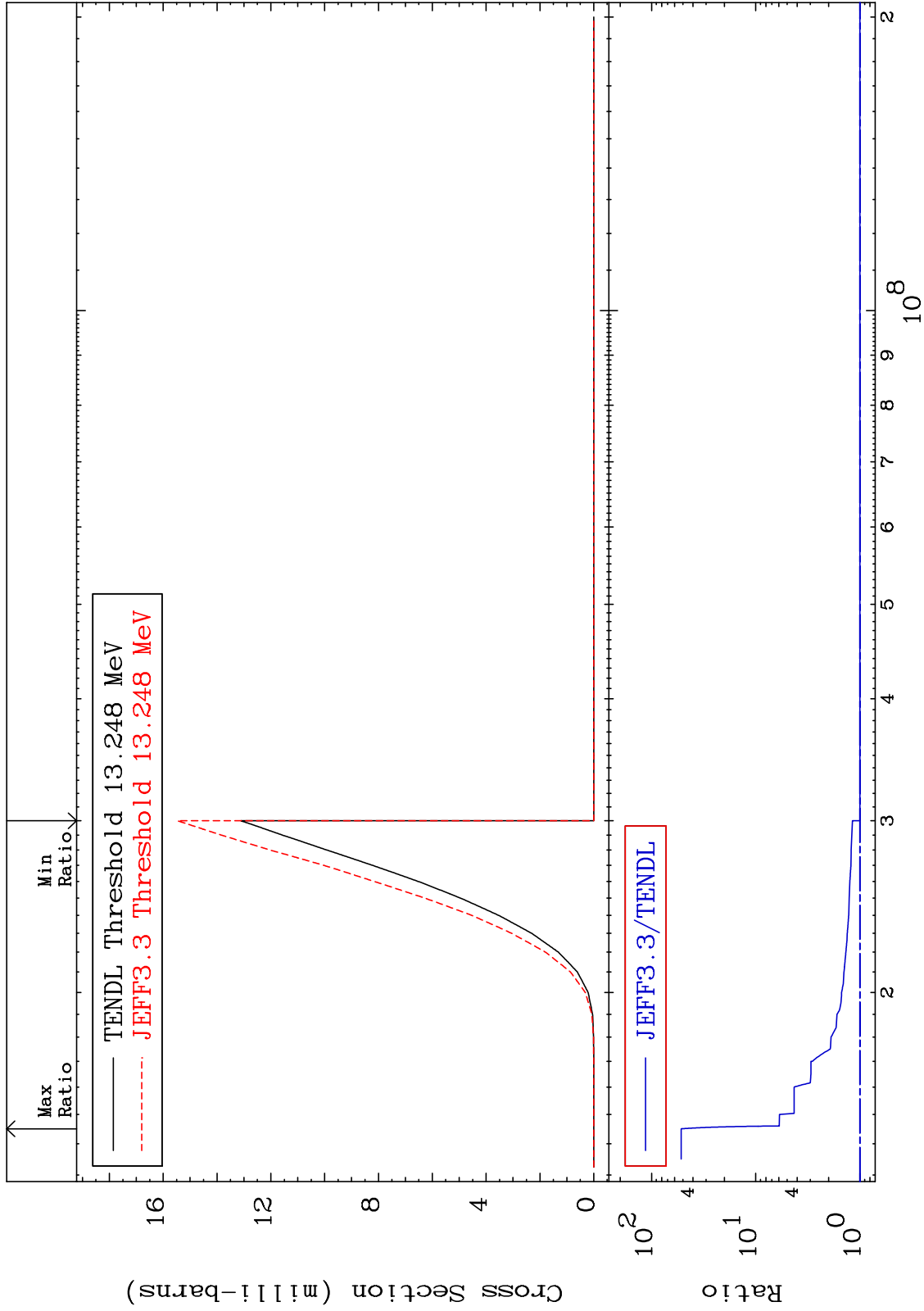
MAT 4725

(n, n') d

47-Ag-107

Cross Section

0.000 To 5093. %



MAT 4725

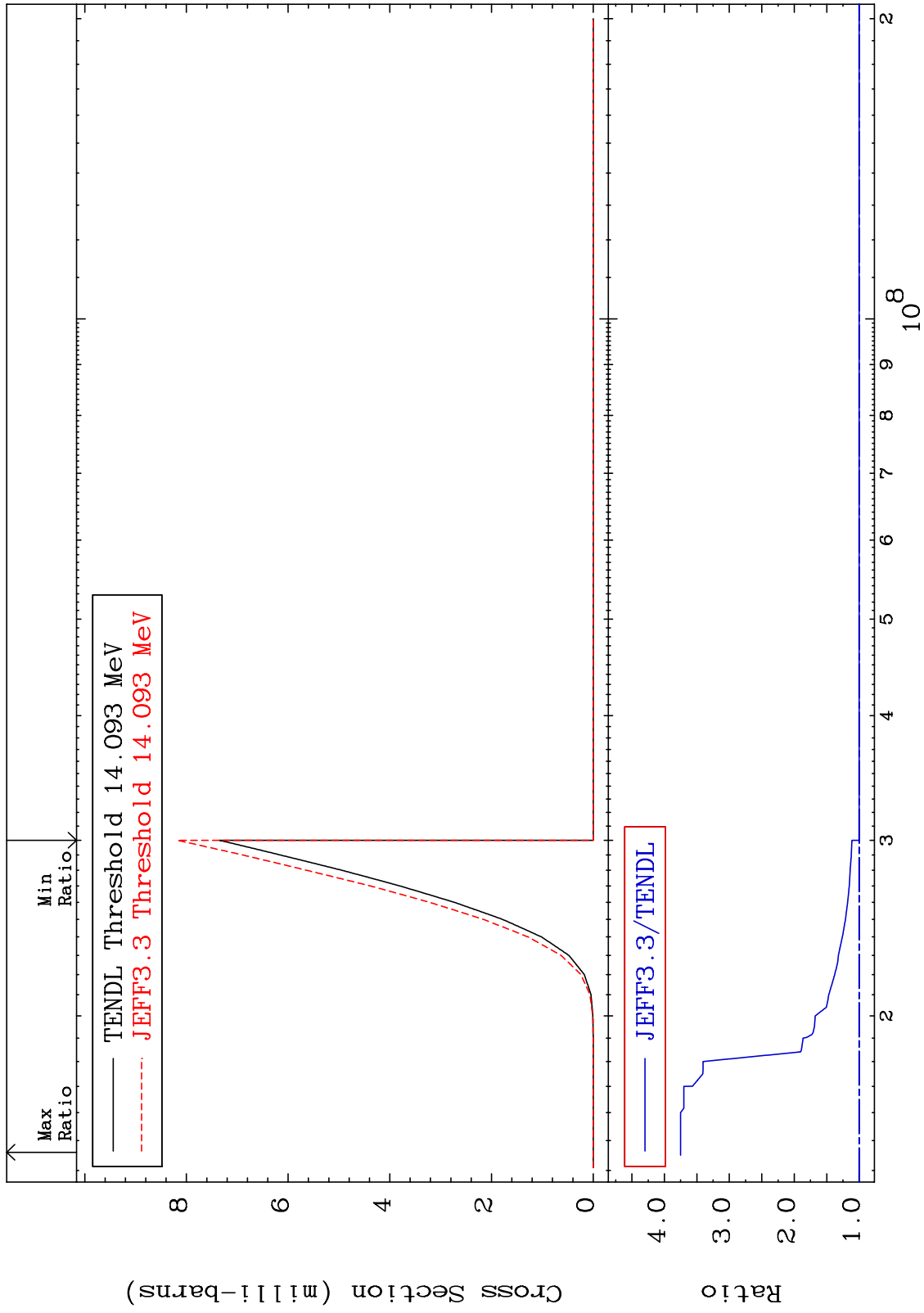
(n, n') t

47-Ag-107

Cross Section

0.000

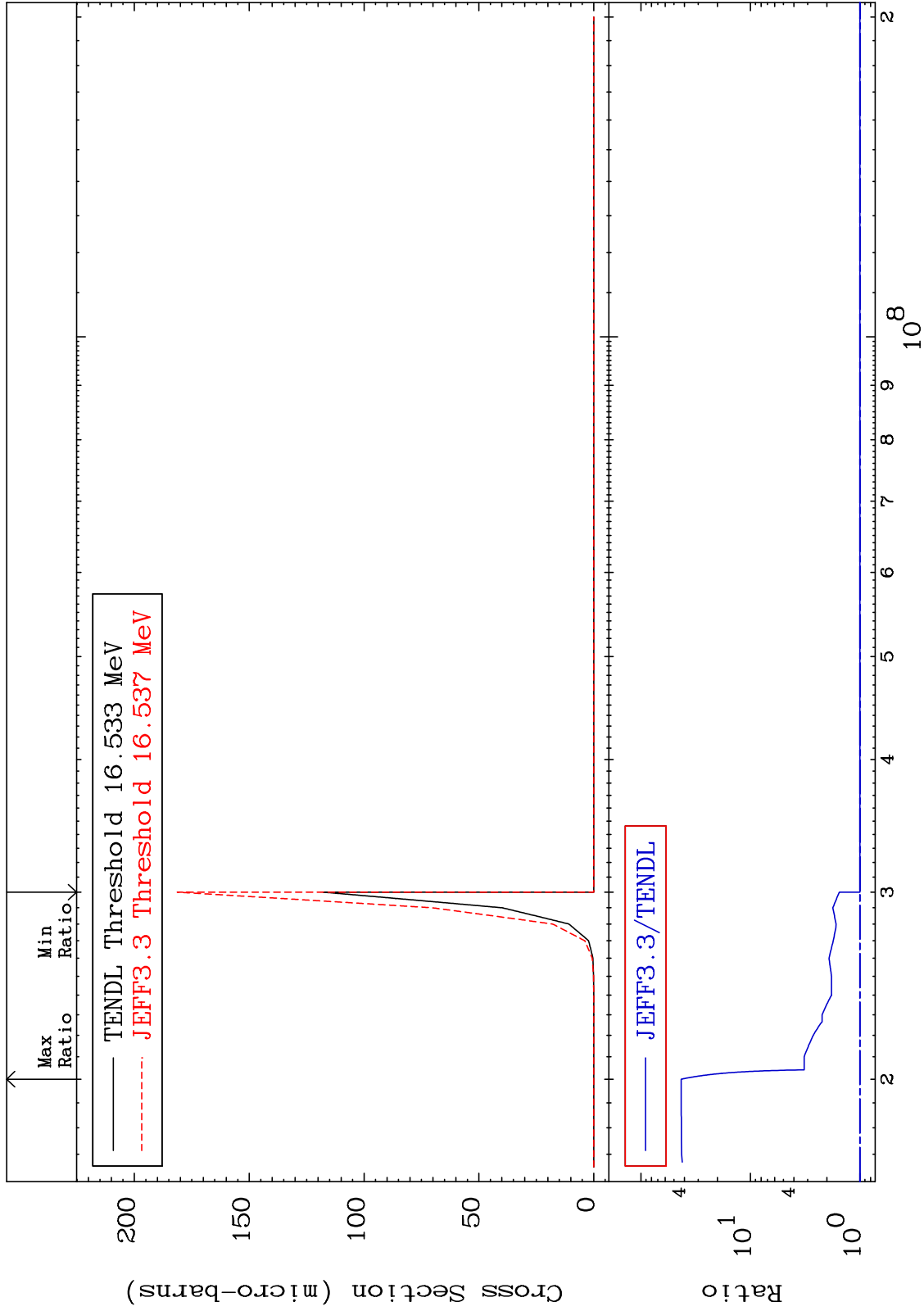
To 275.1 %



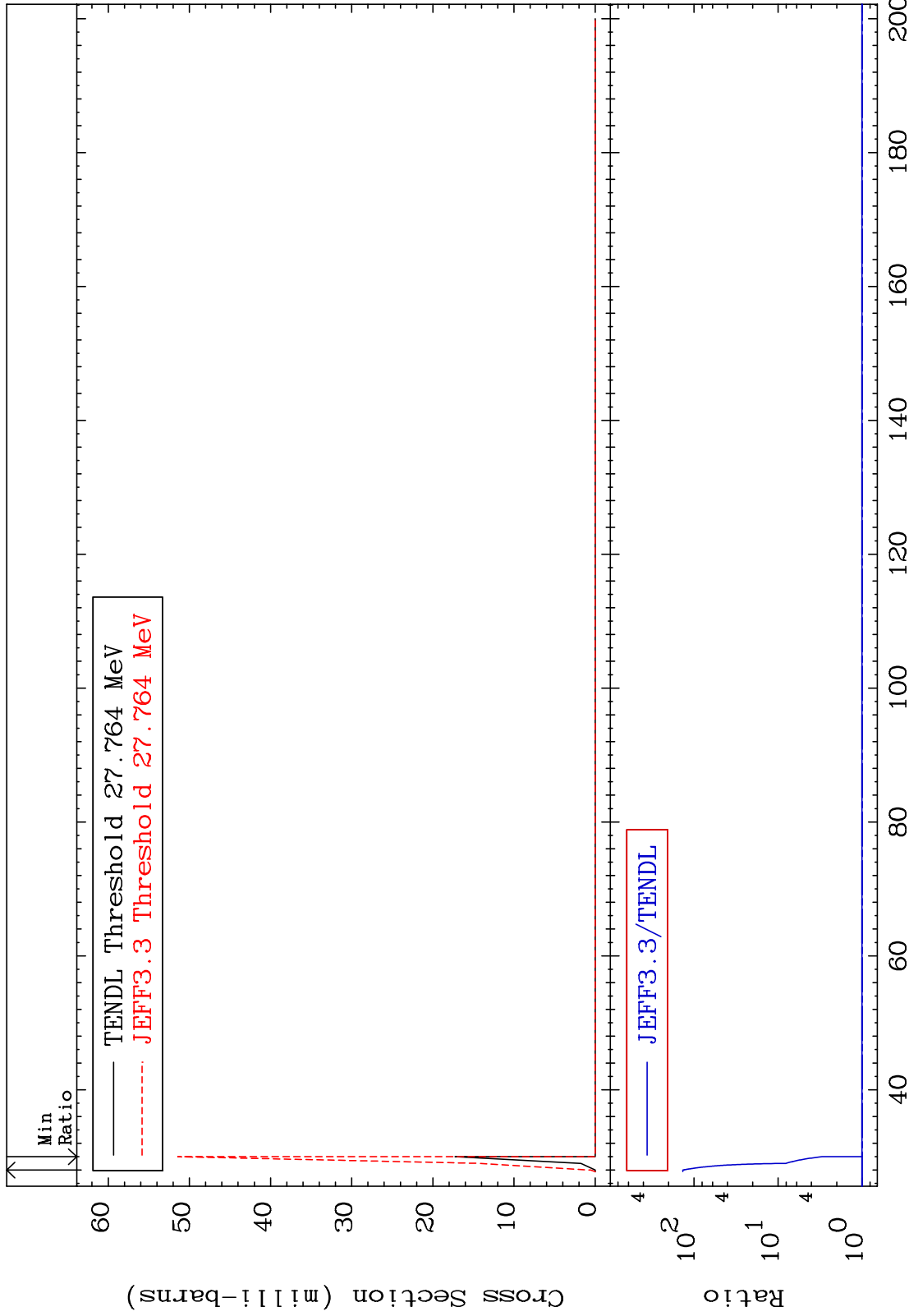
MAT 4725

(n, n') He-3
Cross Section

47-Ag-107
0.000 To 4183. %



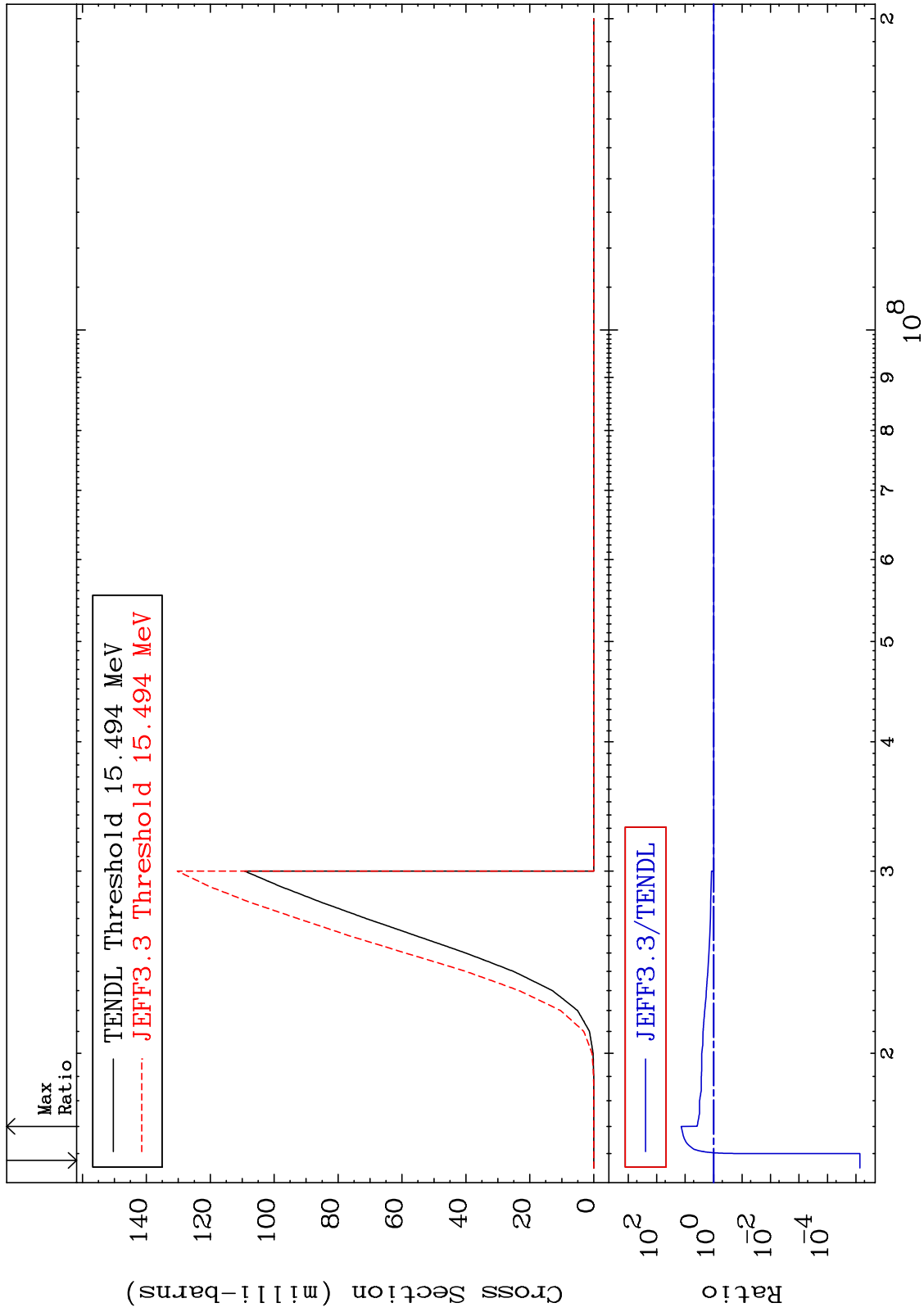
MAT 4725 (n, 4n) Cross Section 47-Ag-107 To 9999. %



MAT 4725

(n,2n) p
Cross Section

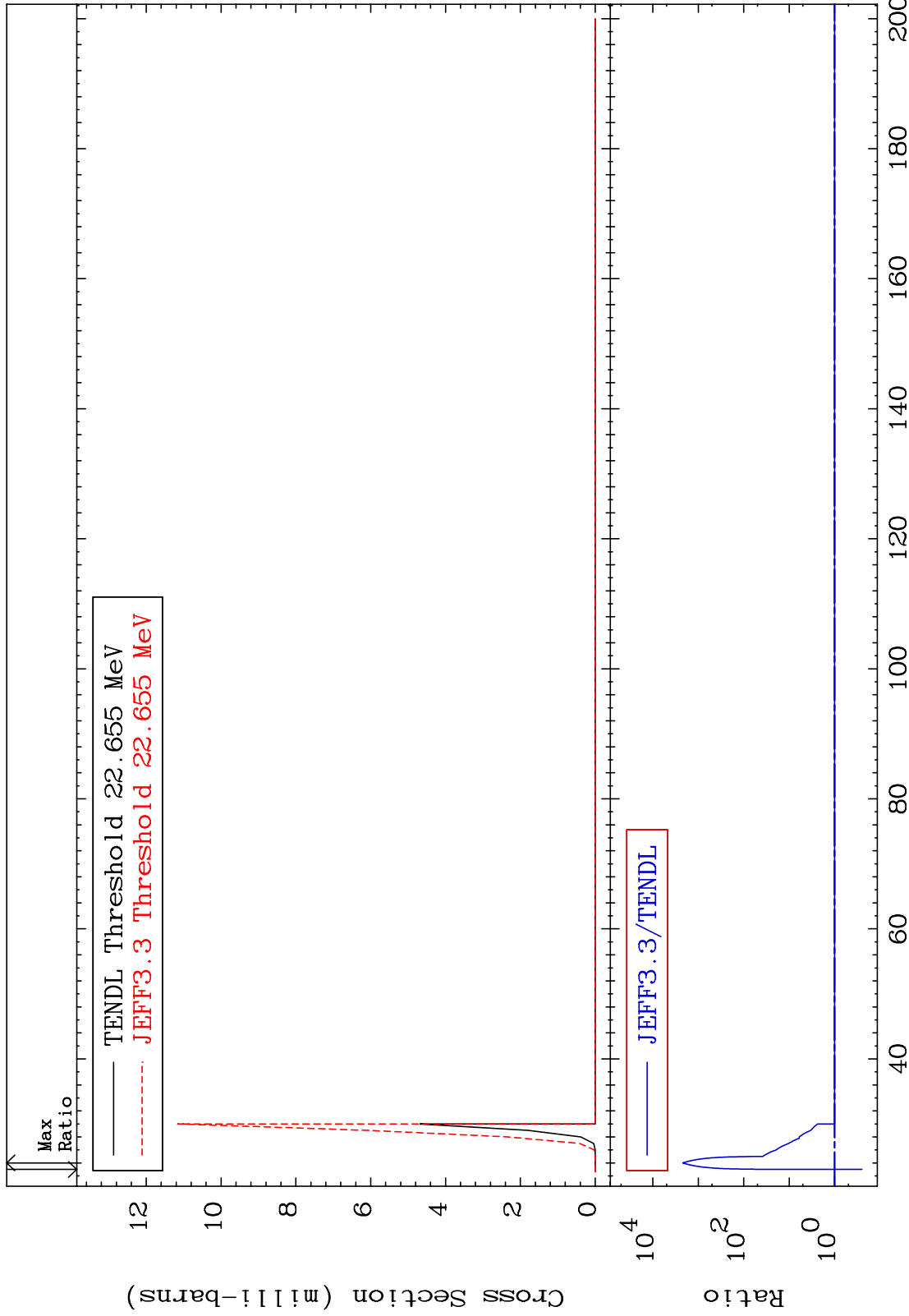
47-Ag-107
-100.0 To 1273. %



MAT 4725

(n, 3n) p
Cross Section

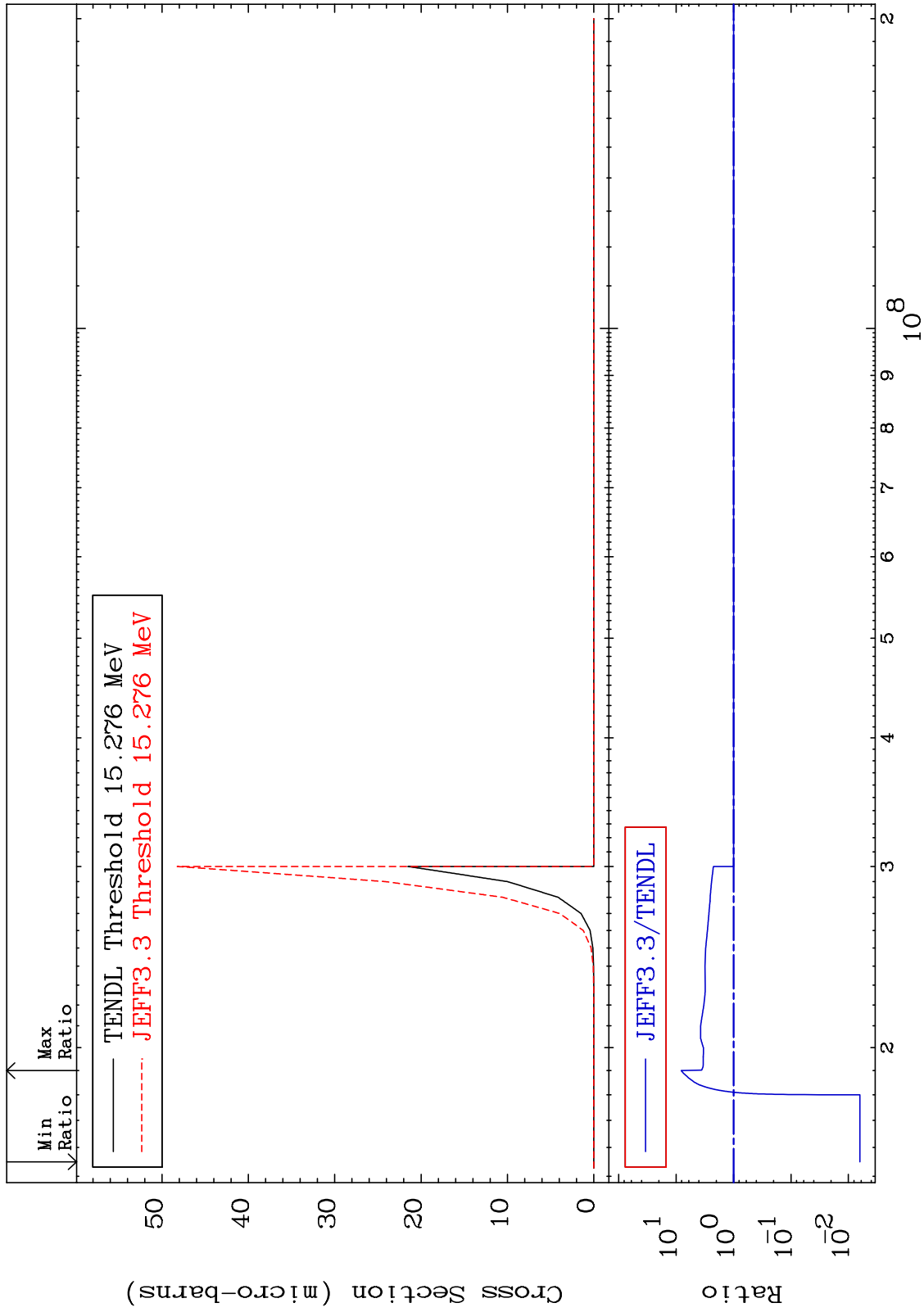
47-Ag-107
-74.99 To 9999. %



MAT 4725

(n,2n) p
Cross Section

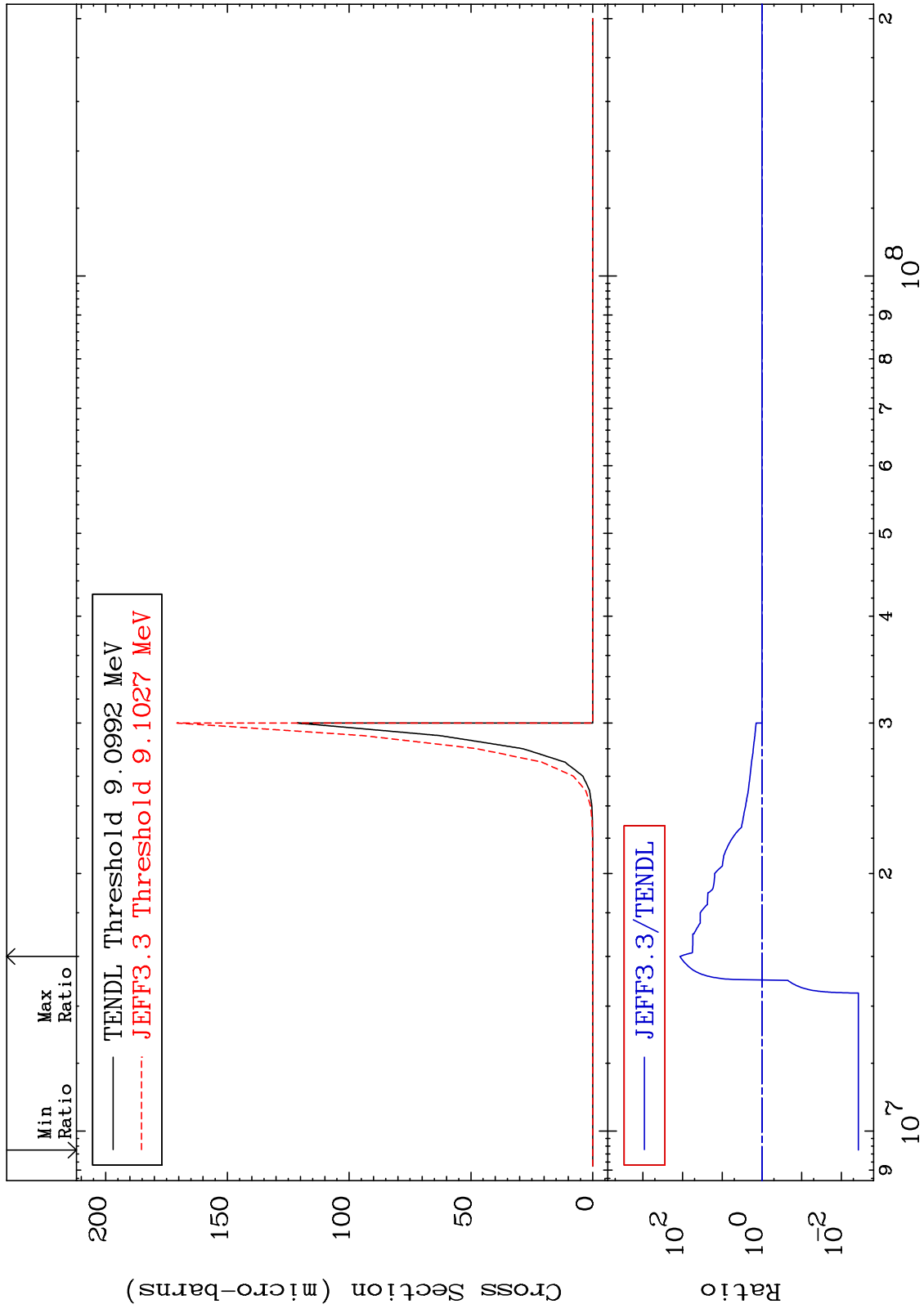
47-Ag-107
-99.37 To 714.0 %



MAT 4725

(n,n') p α
Cross Section

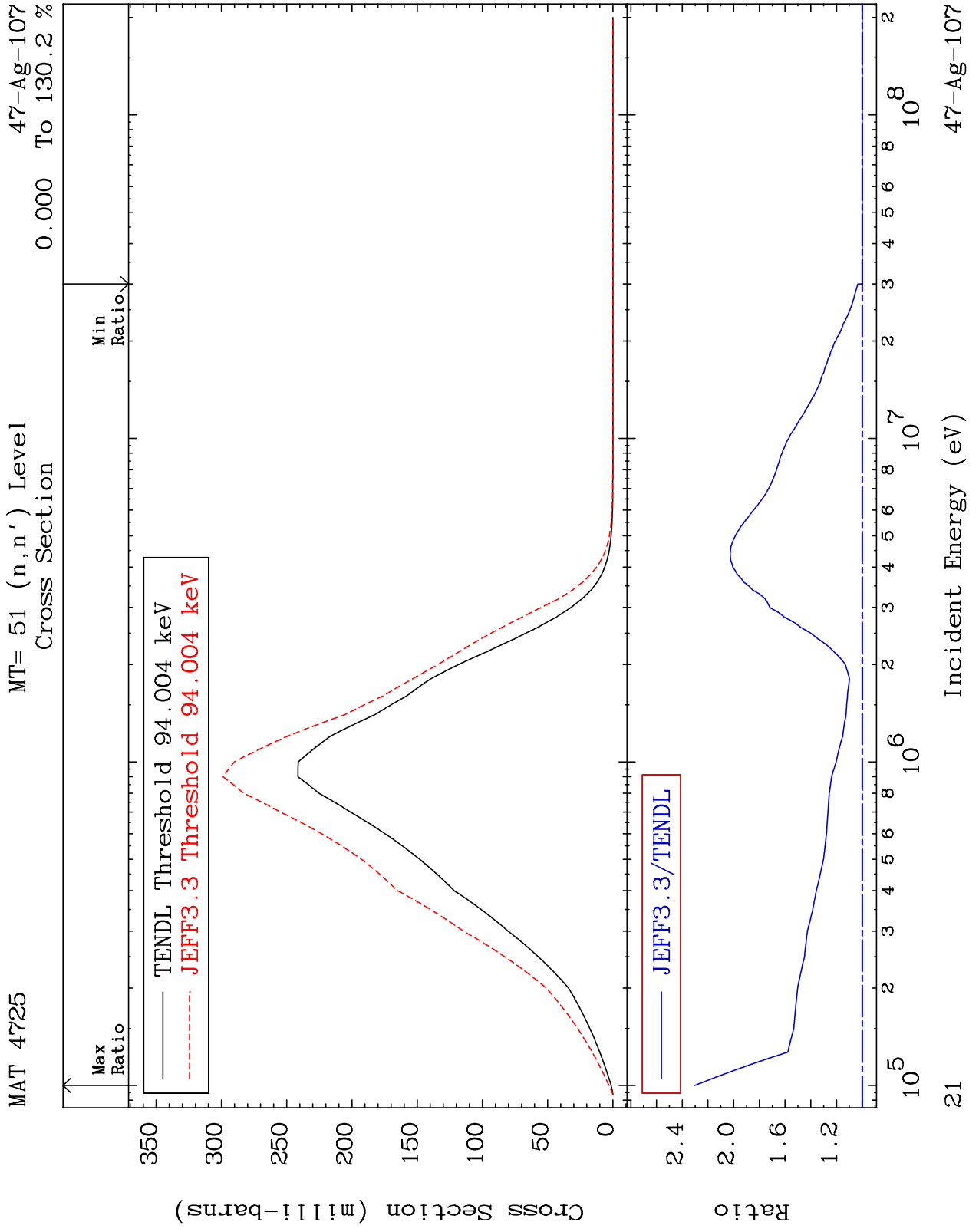
47-Ag-107
-99.63 To 9999. %

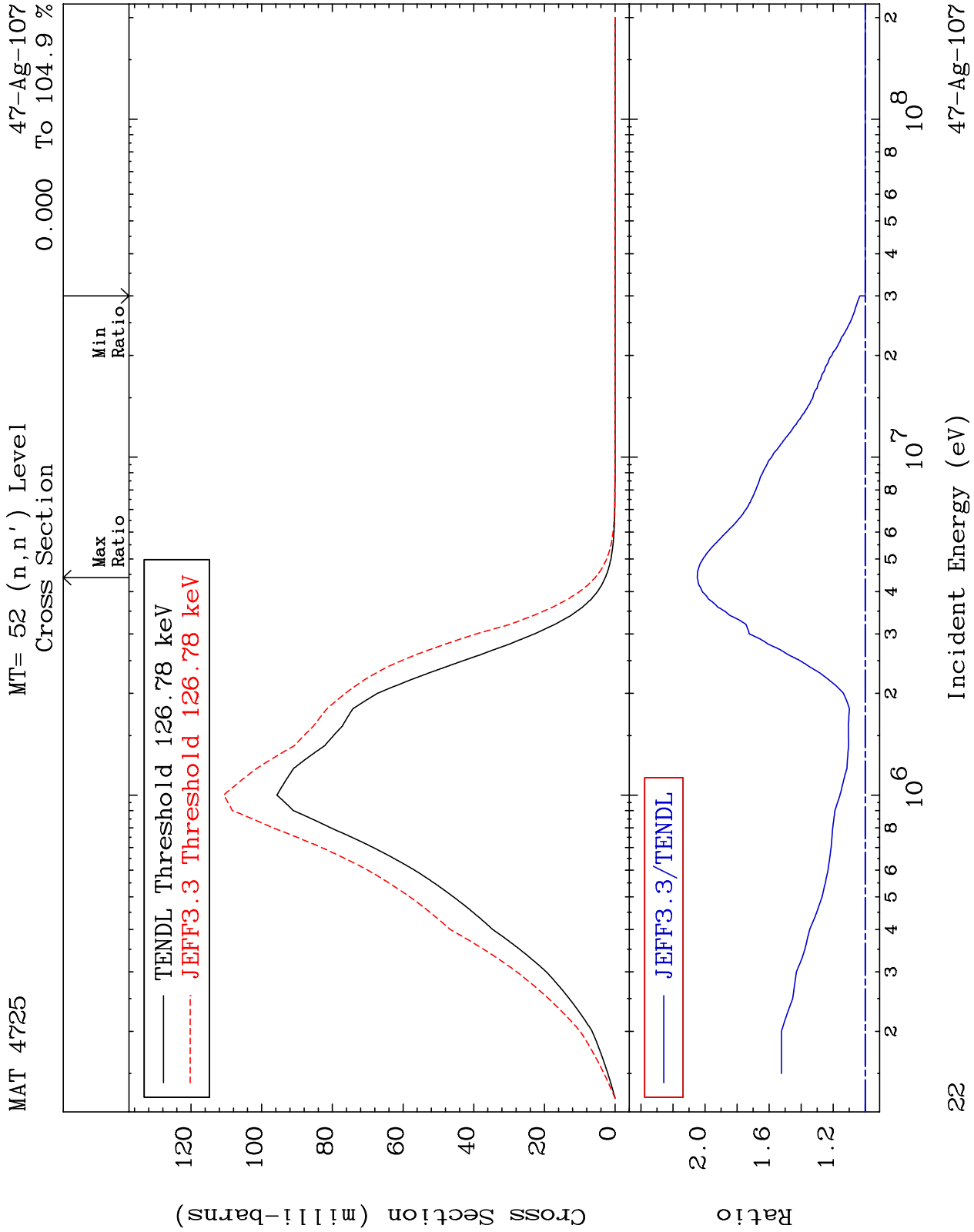


47-Ag-107

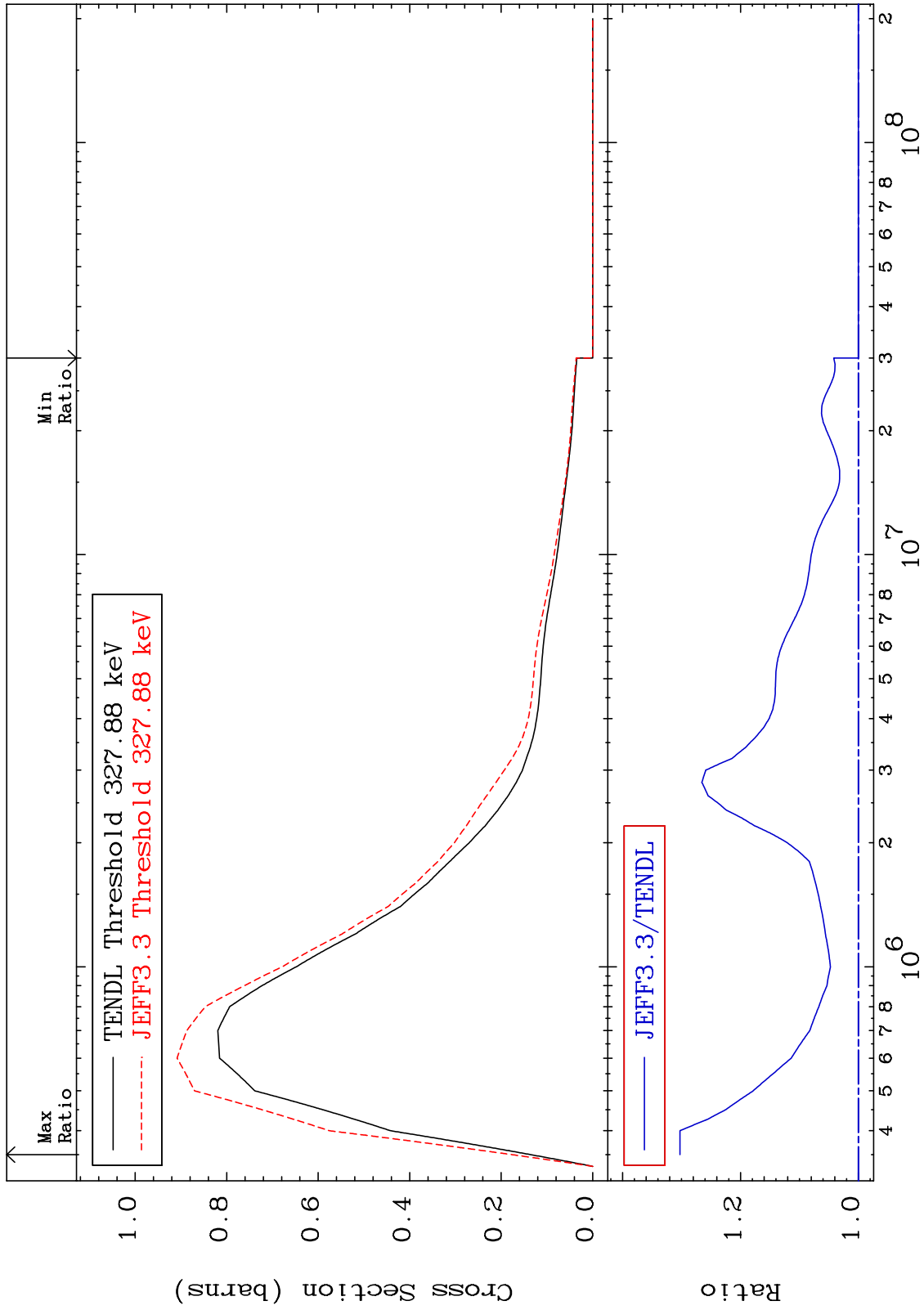
Incident Energy (eV)

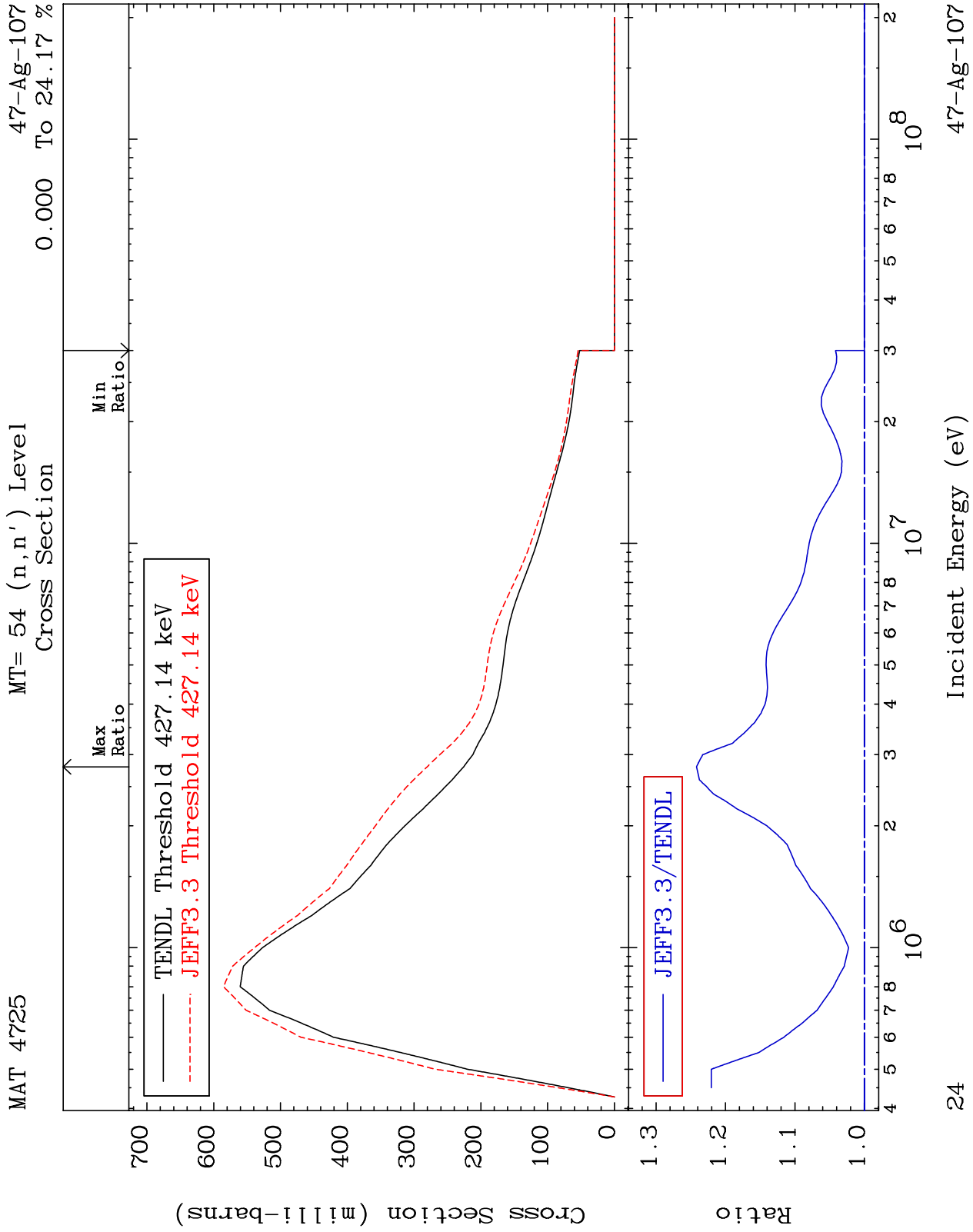
20



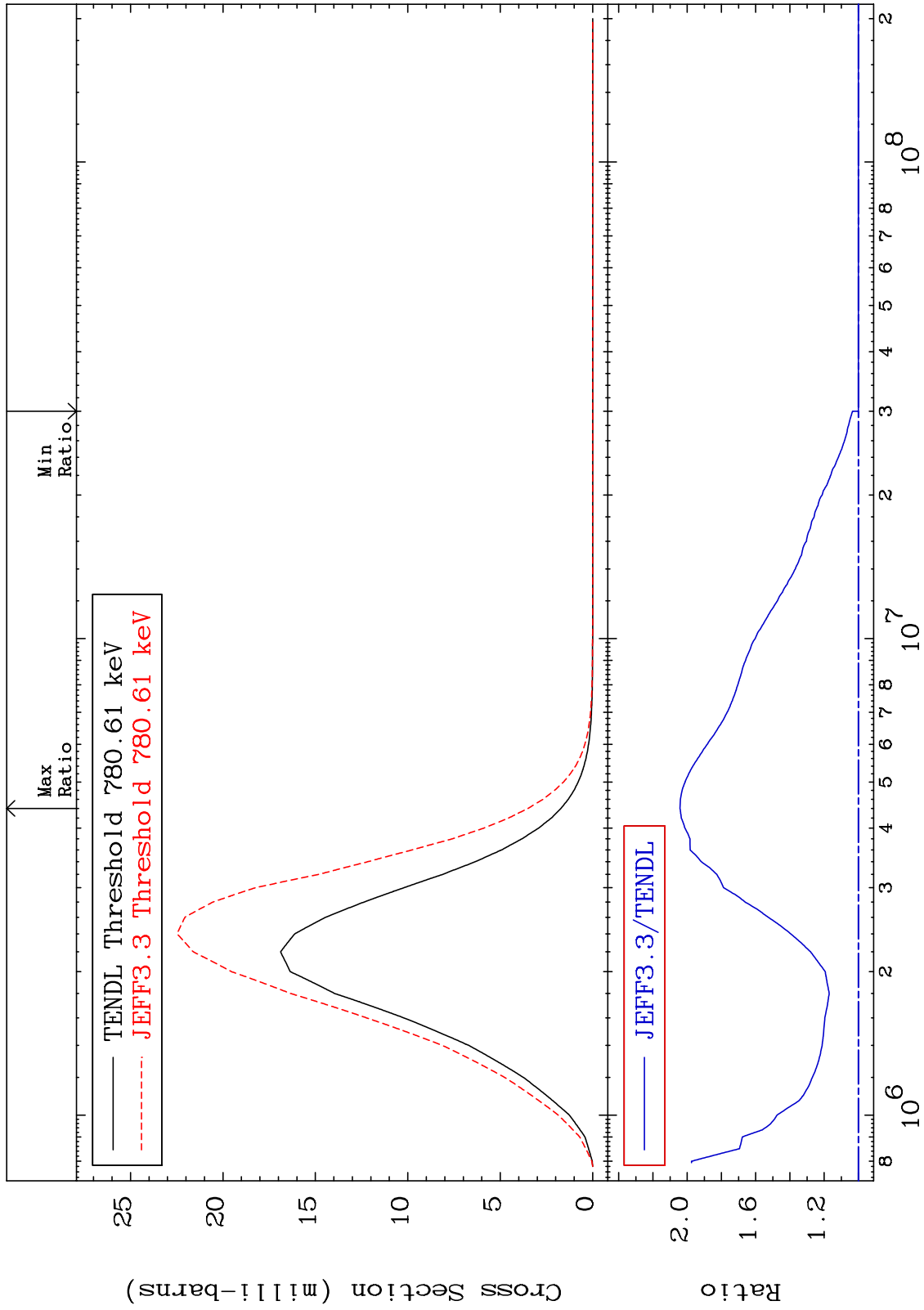


MAT 4725 MT= 53 (n,n') Level Cross Section 47-Ag-107 To 30.26 %





MAT 4725 MT= 55 (n,n') Level Cross Section 47-Ag-107 To 104.2 %
0.000

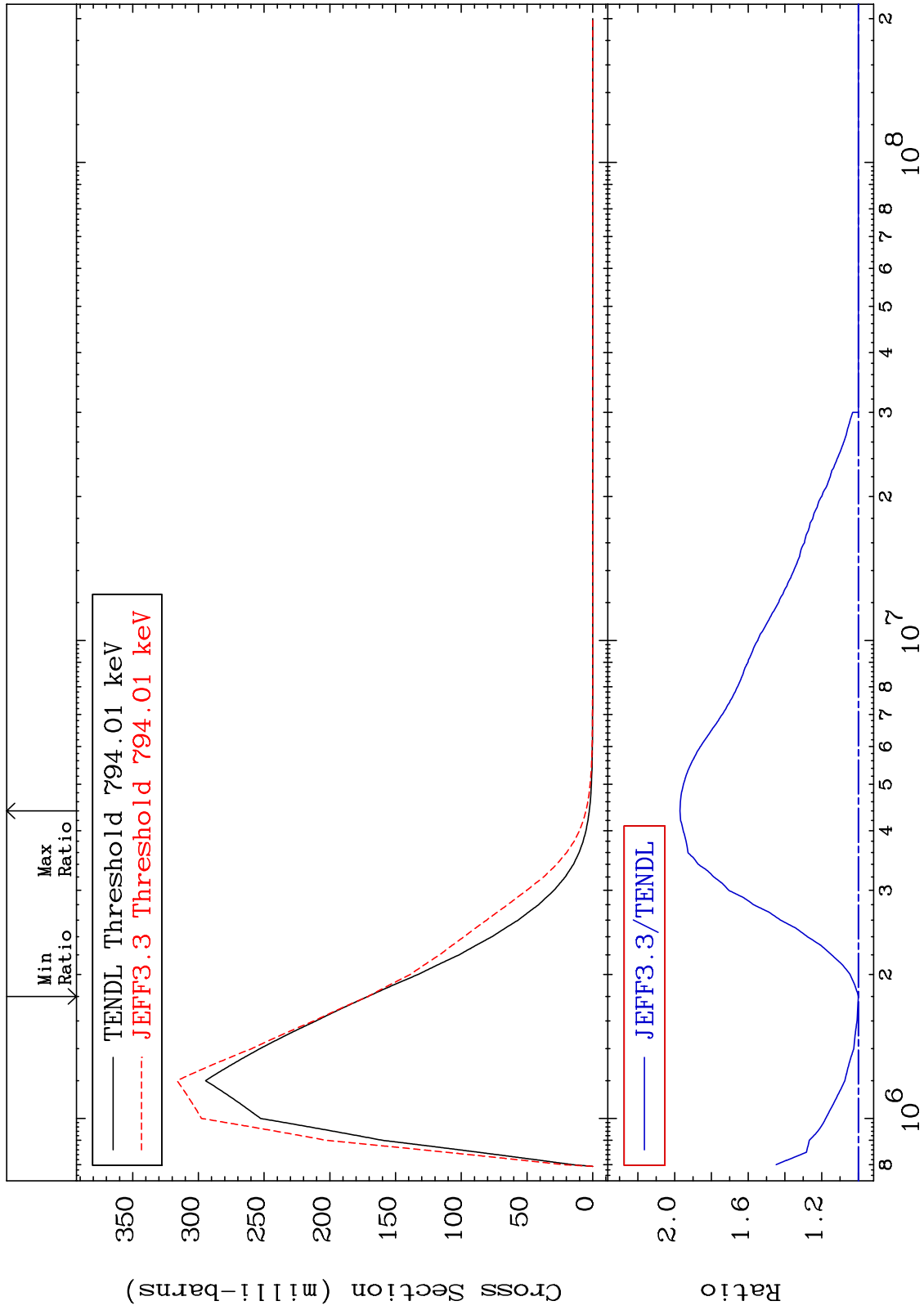


25 8 10⁶ 10⁷ 10⁸ 47-Ag-107

MAT 4725

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

47-Ag-107
-0.017 To 97.07 %



26

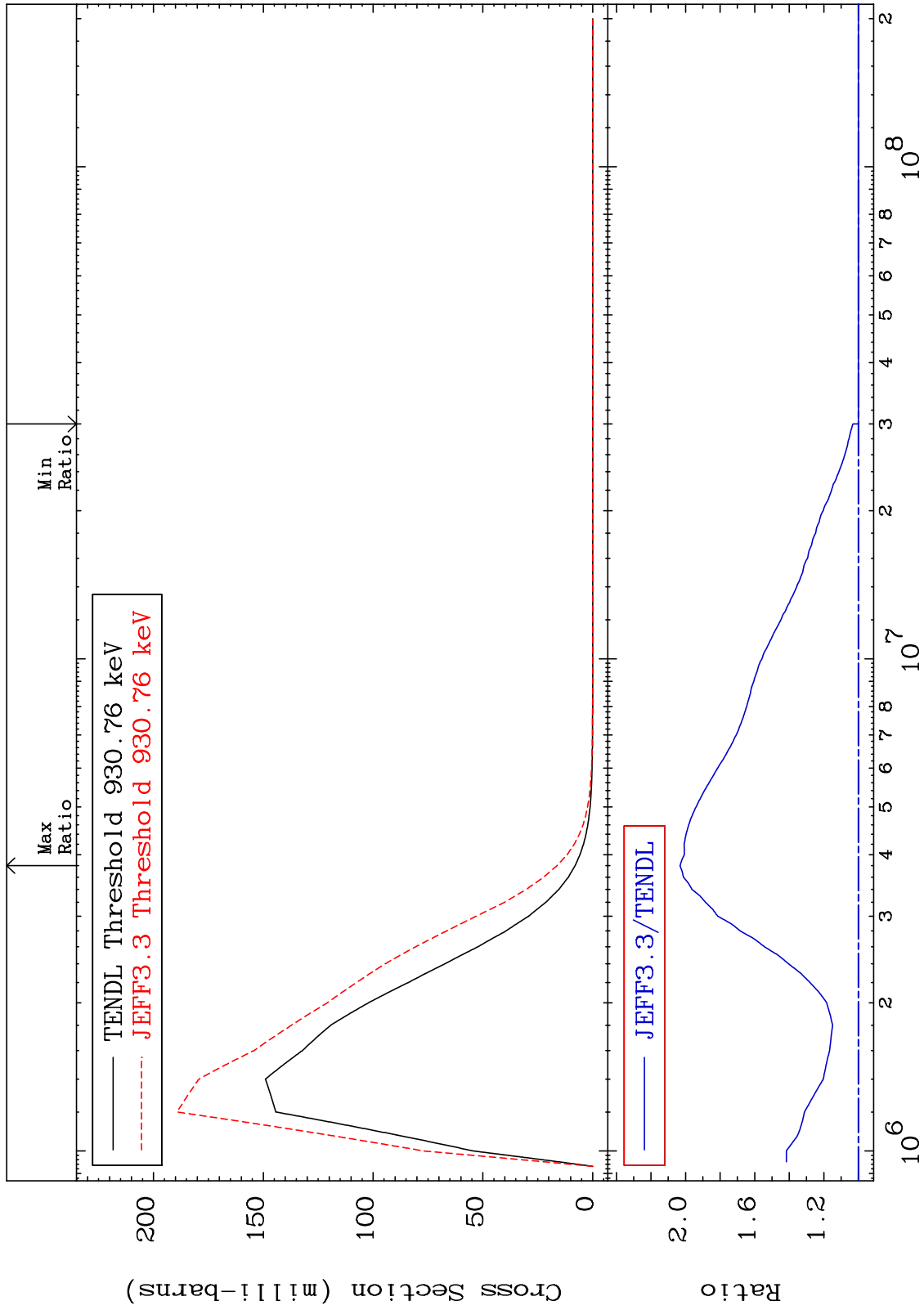
Incident Energy (eV)

47-Ag-107

MAT 4725

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

47-Ag-107
0.000 To 103.2 %



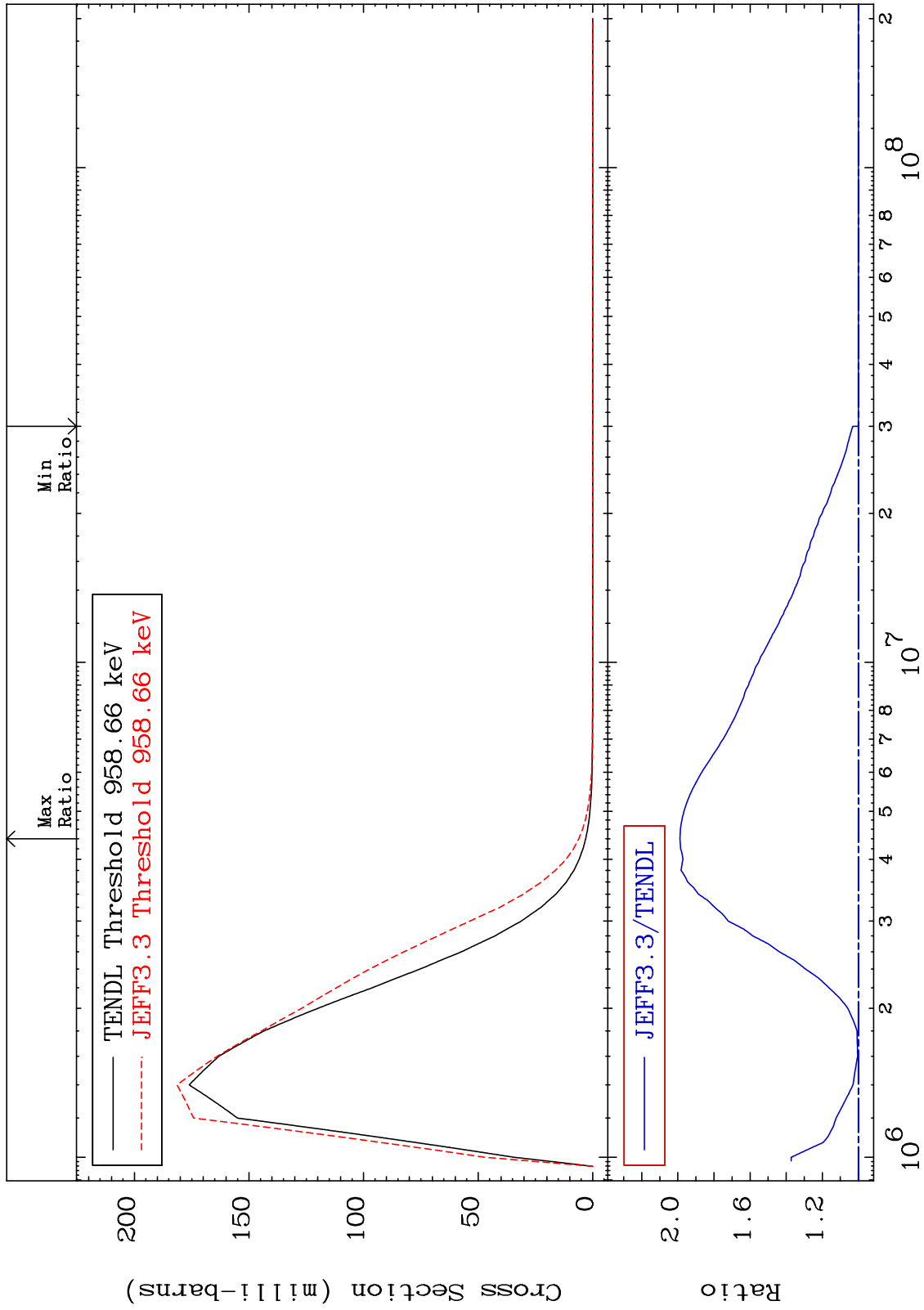
27

47-Ag-107

MAT 4725

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

47-Ag-107
0.000 To 98.80 %



Incident Energy (eV)

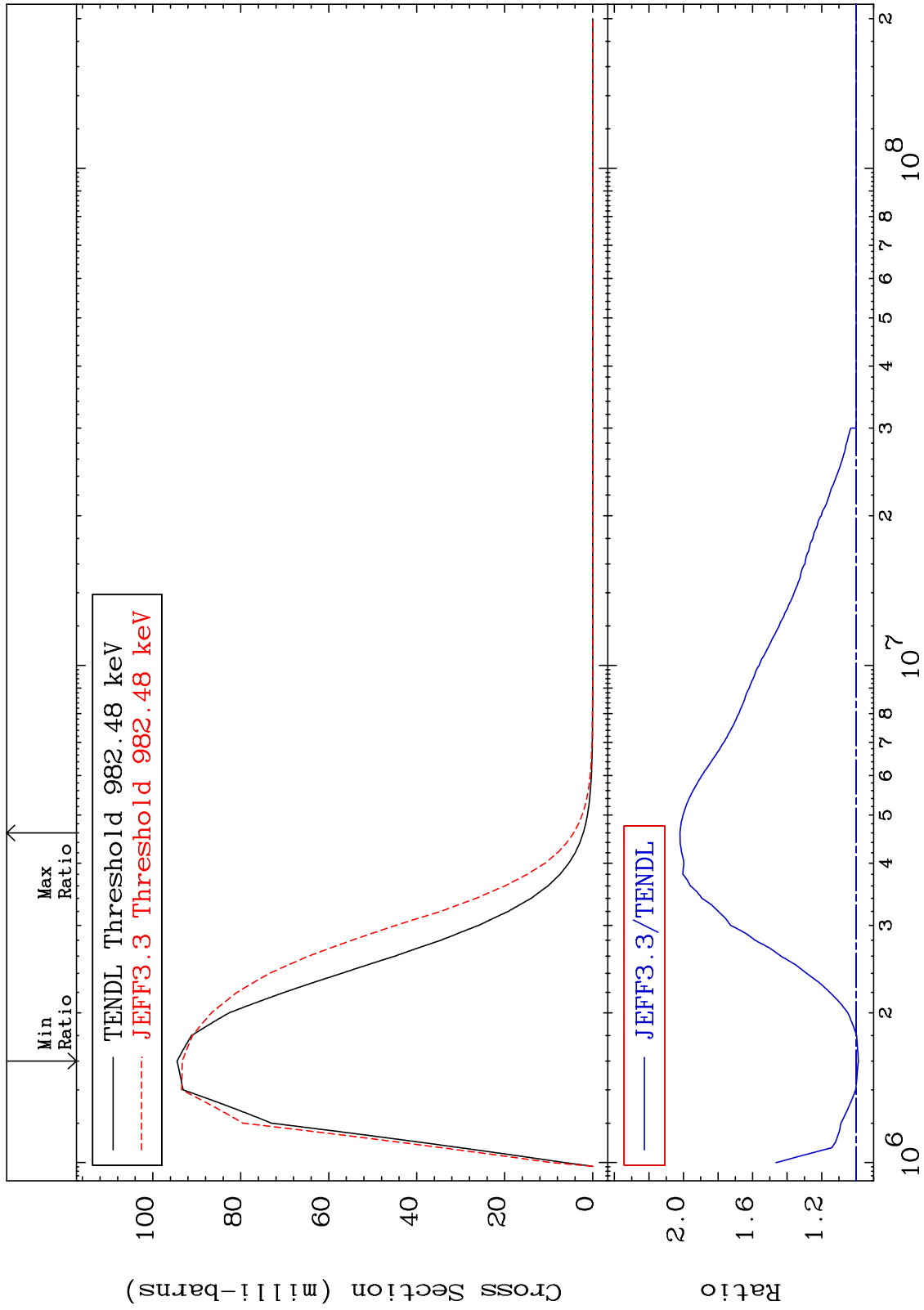
47-Ag-107

28

MAT 4725

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

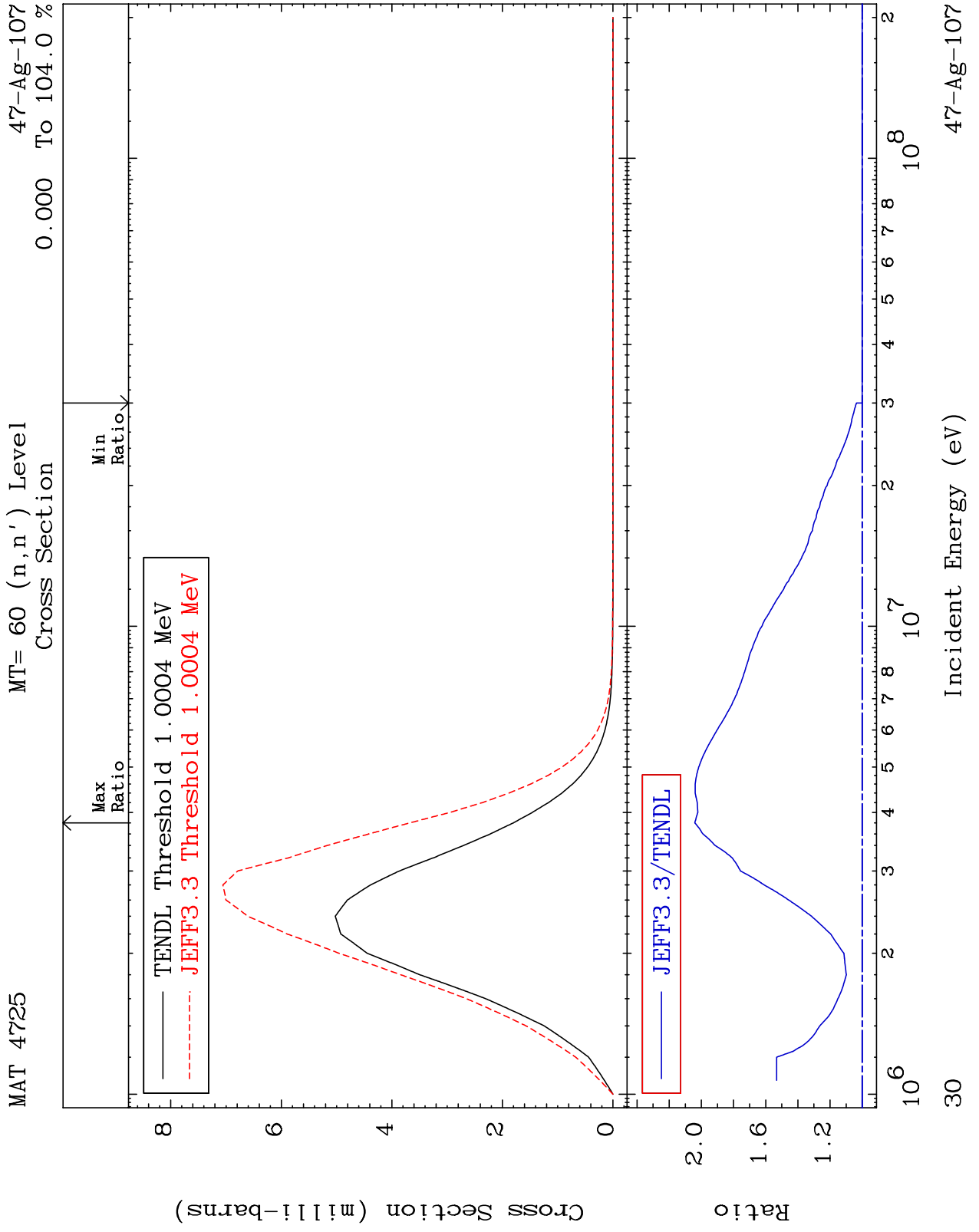
47-Ag-107
-1.250 To 102.0 %

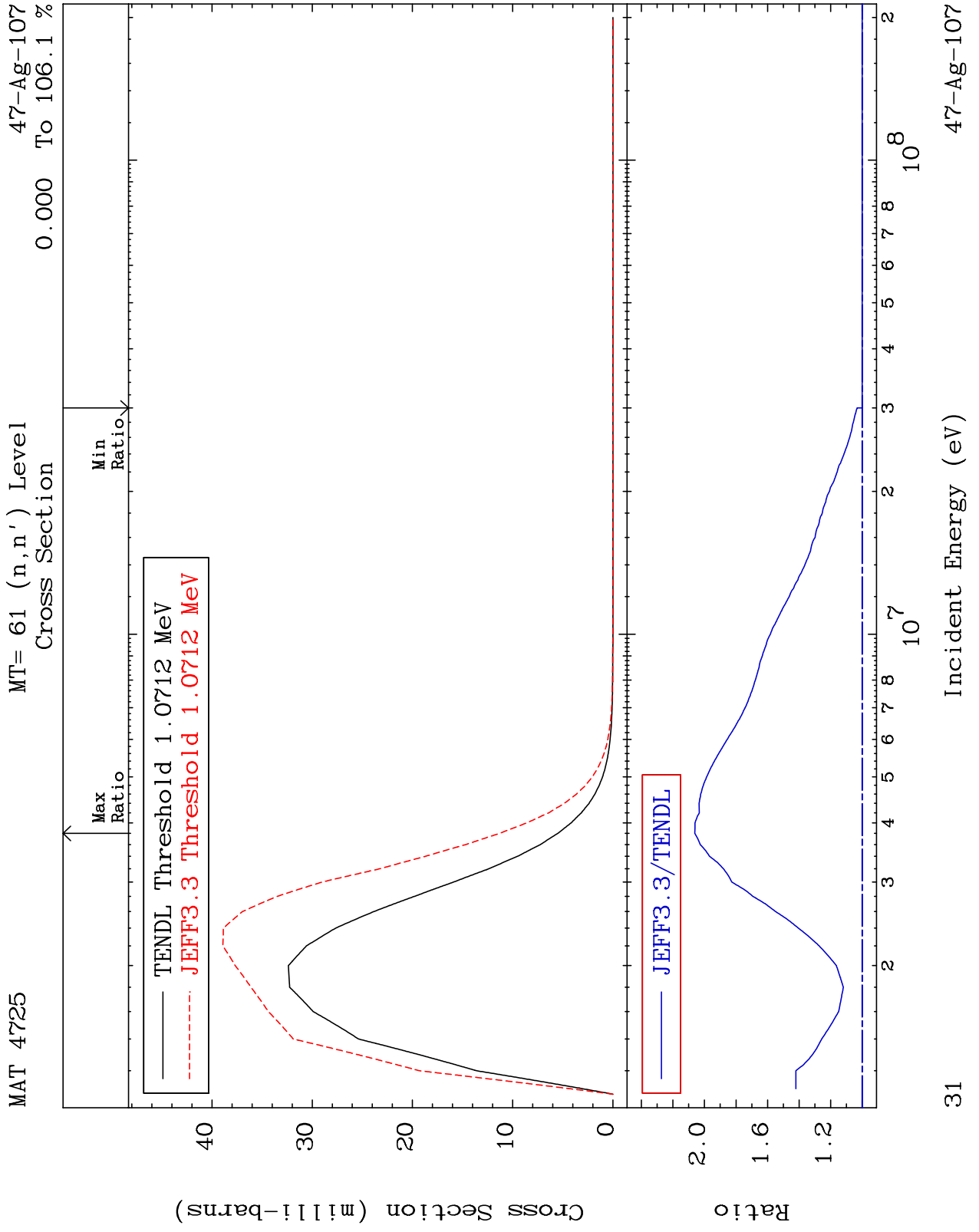


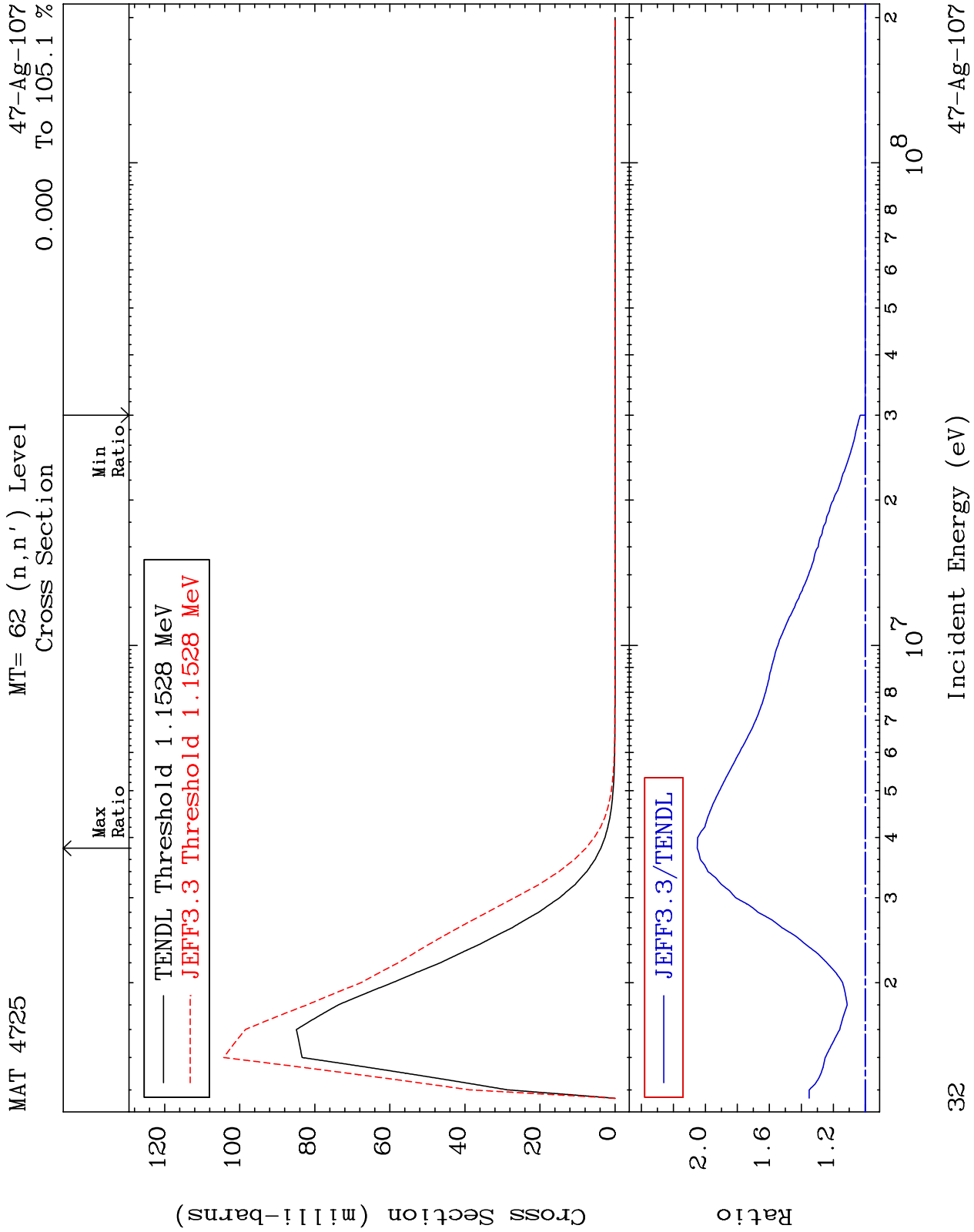
Incident Energy (eV)

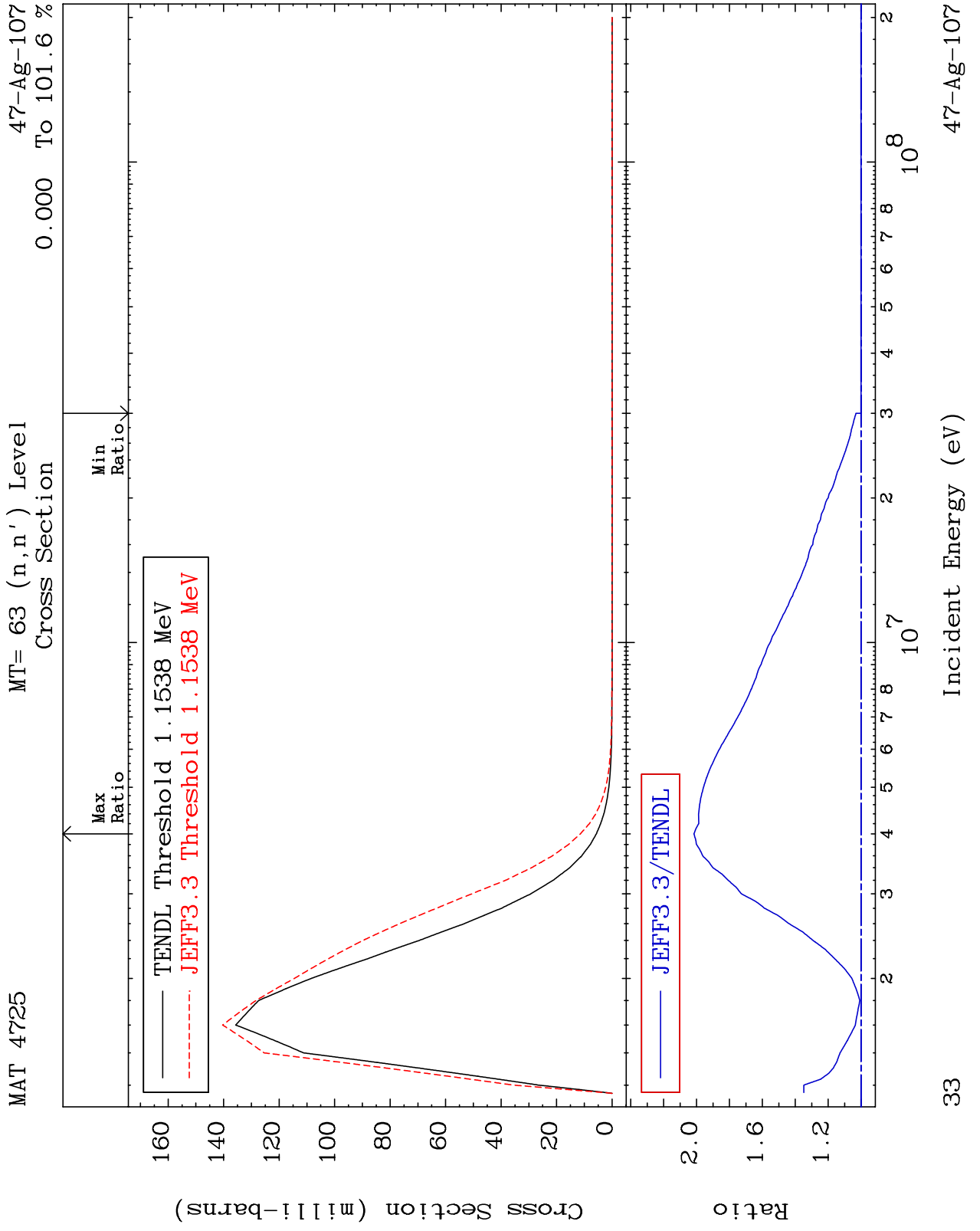
47-Ag-107

29





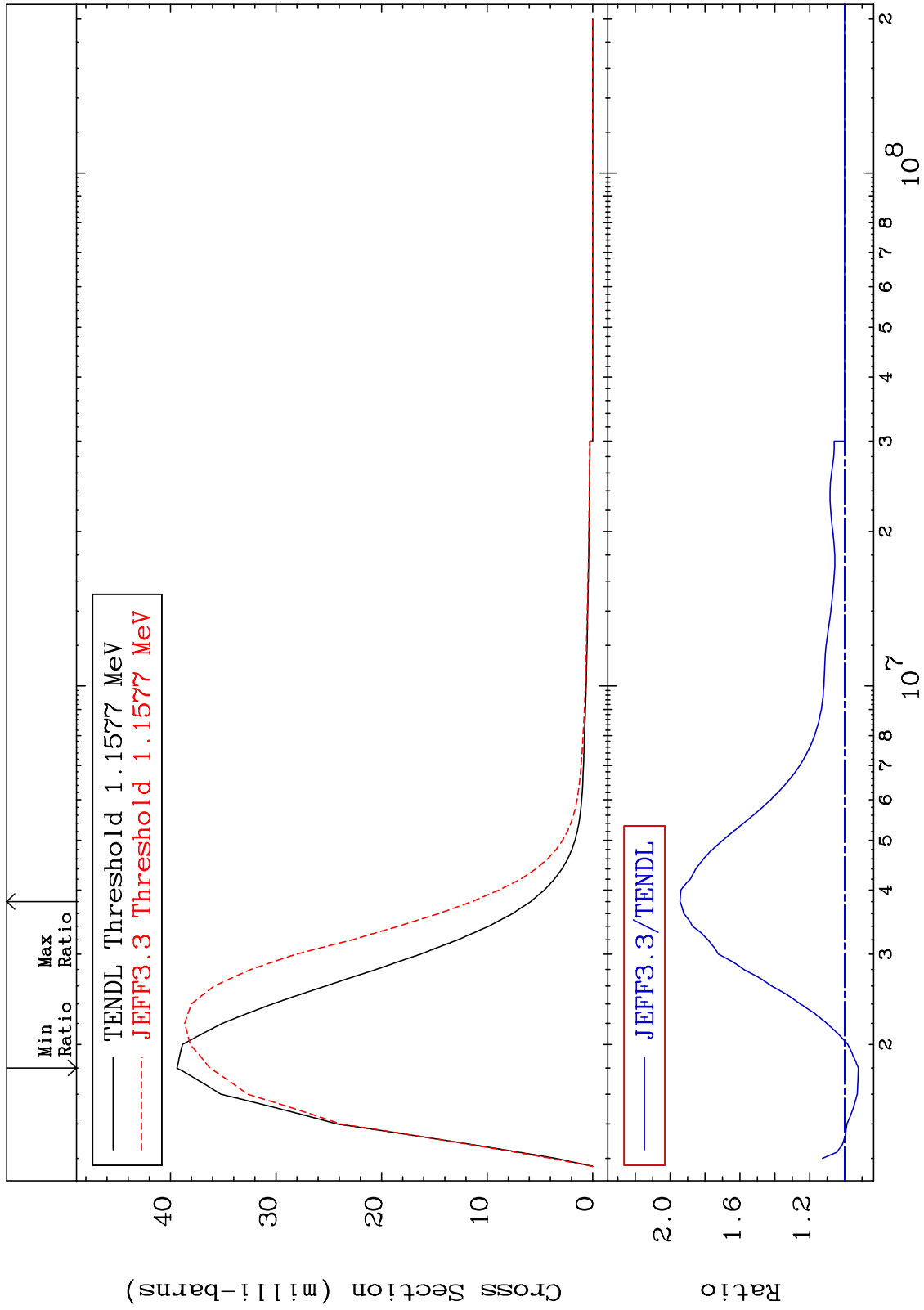




MAT 4725

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

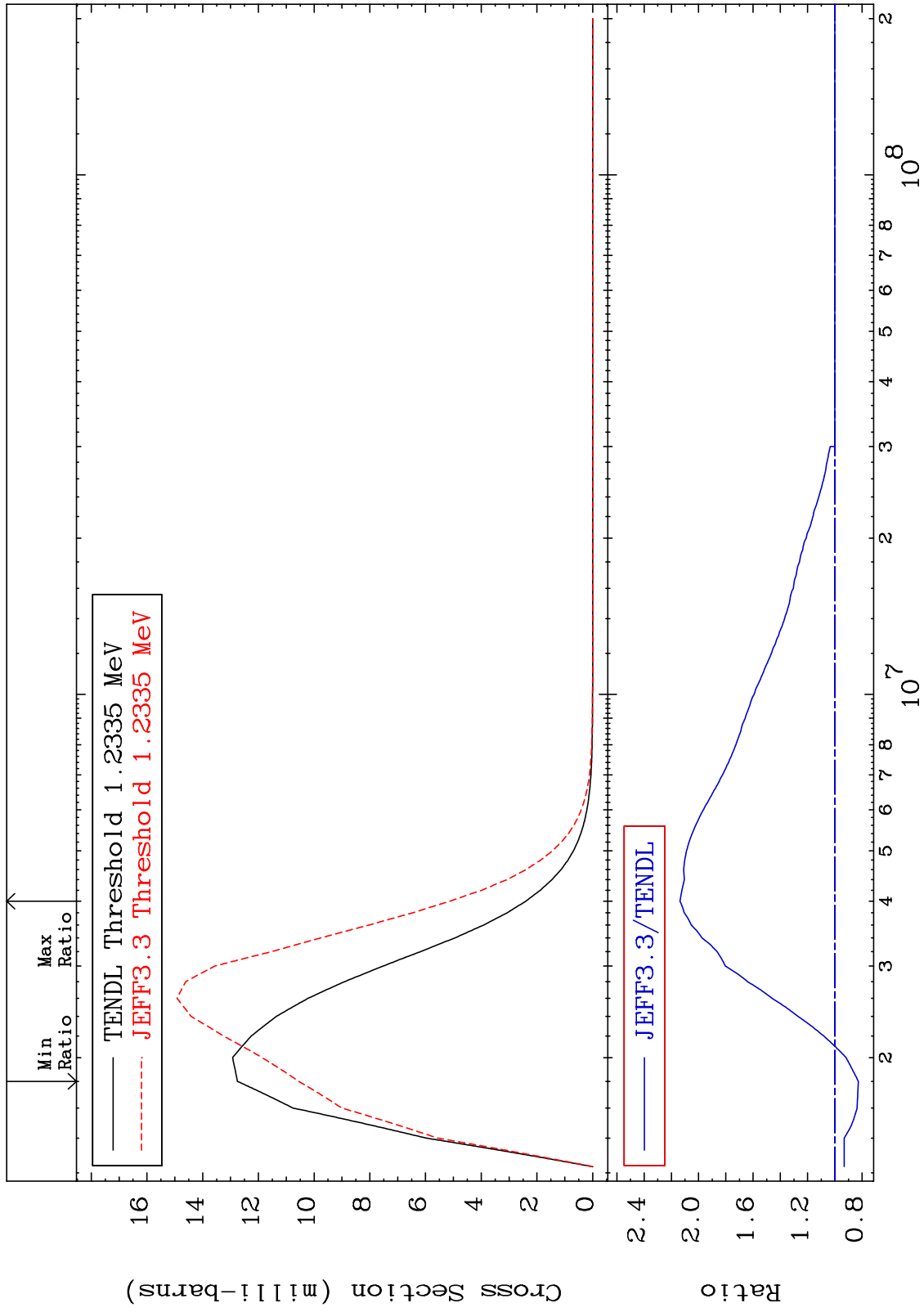
47-Ag-107
-7.896 To 94.30 %

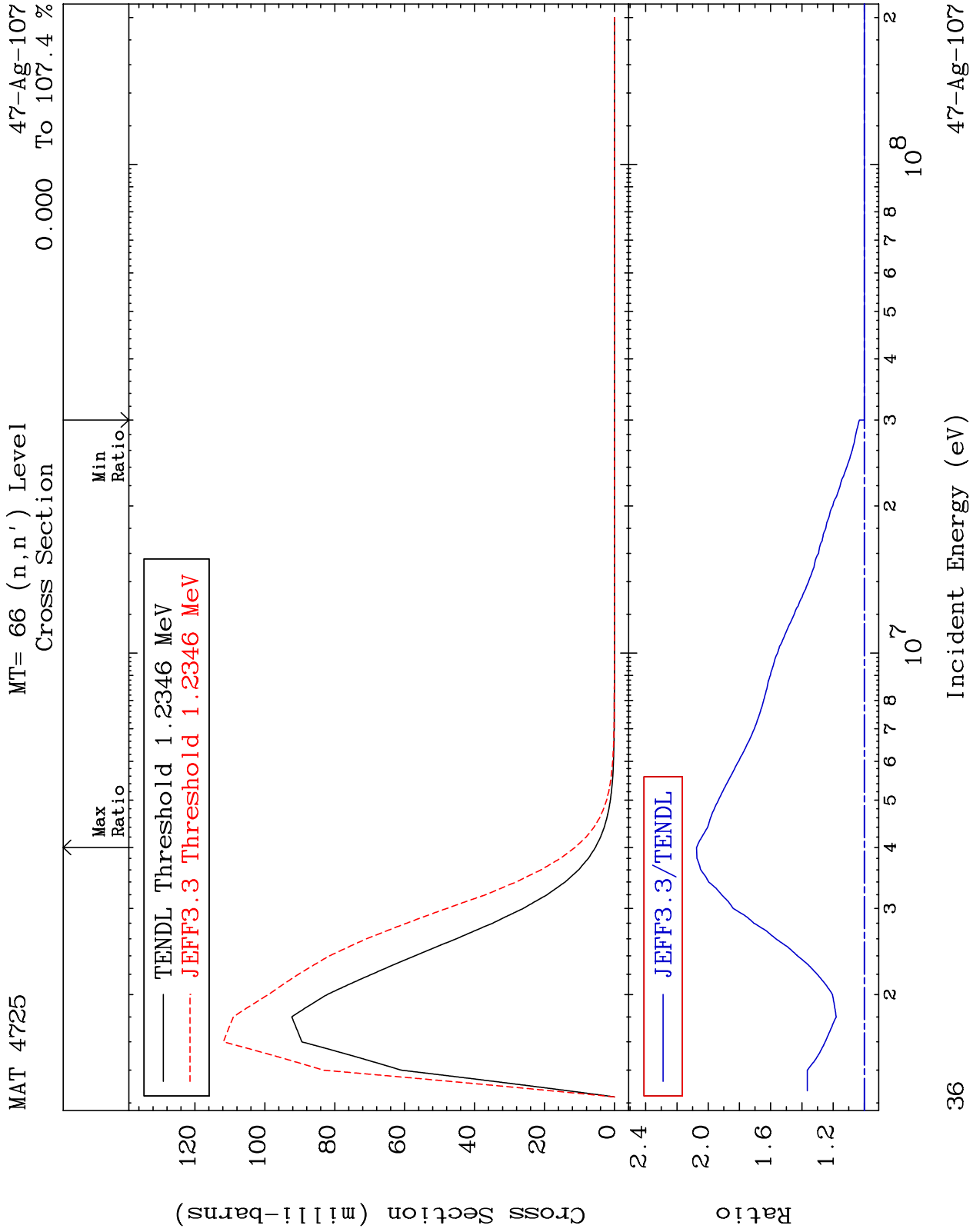


MAT 4725

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

47-Ag-107
-17.28 To 113.6 %

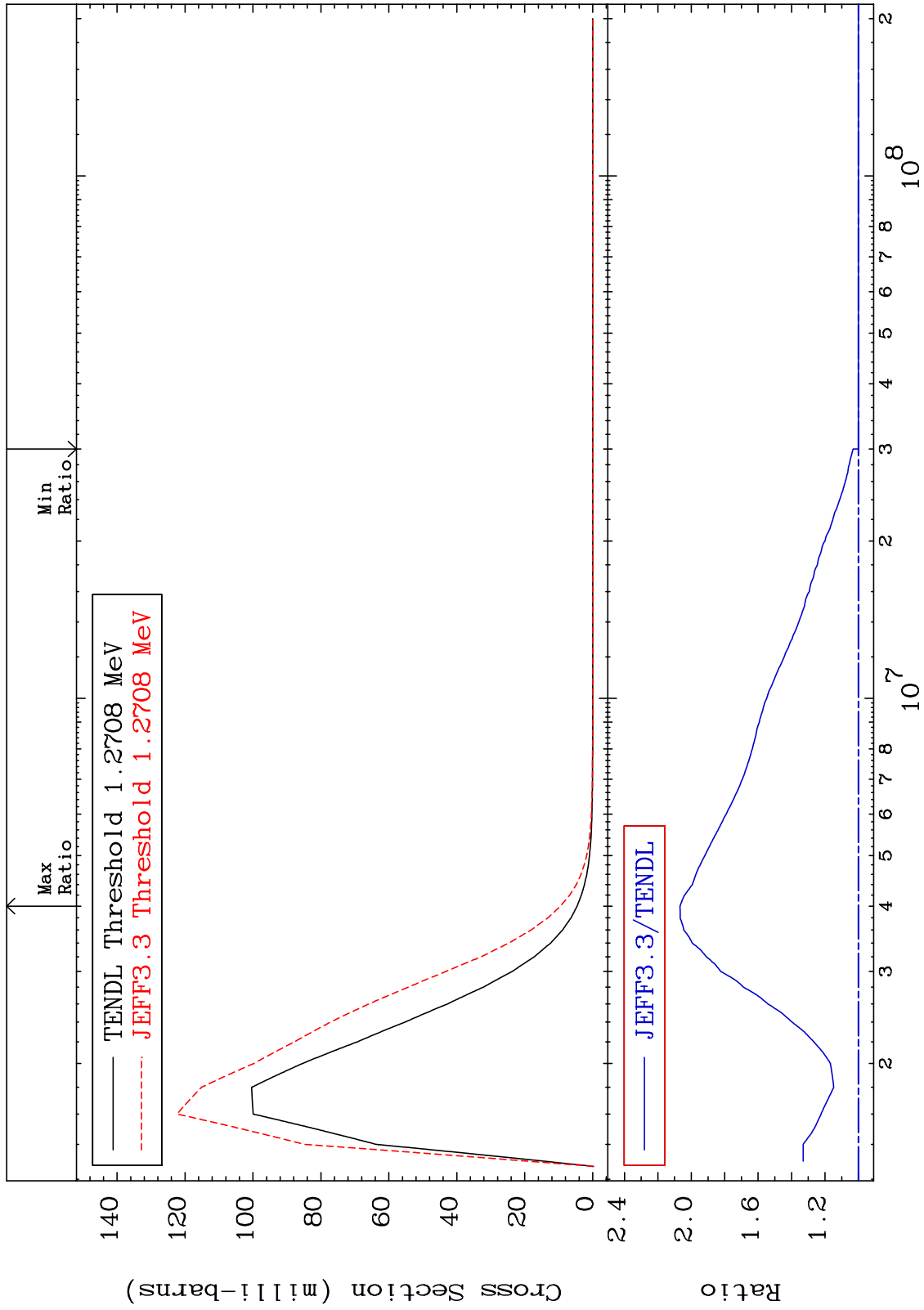


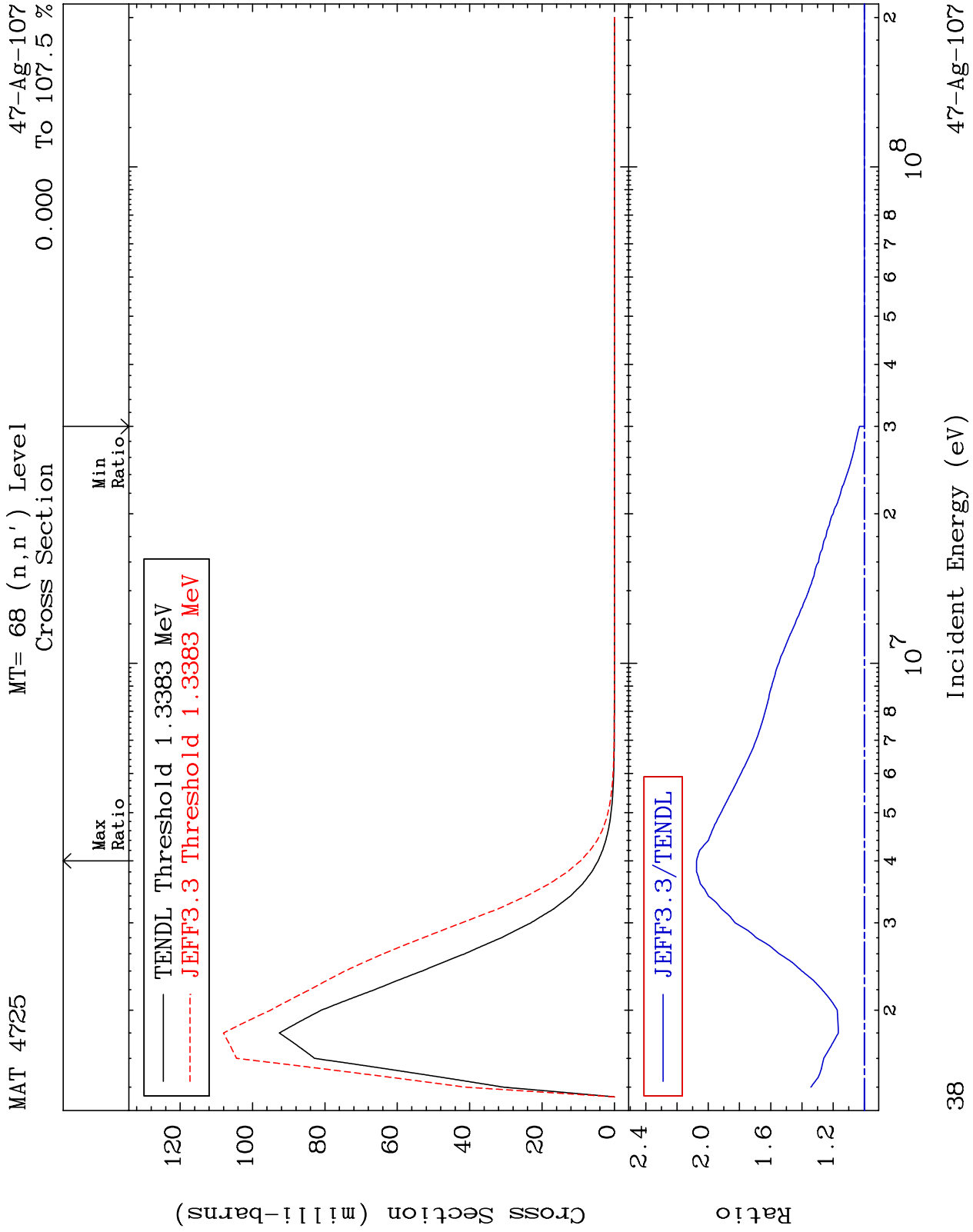


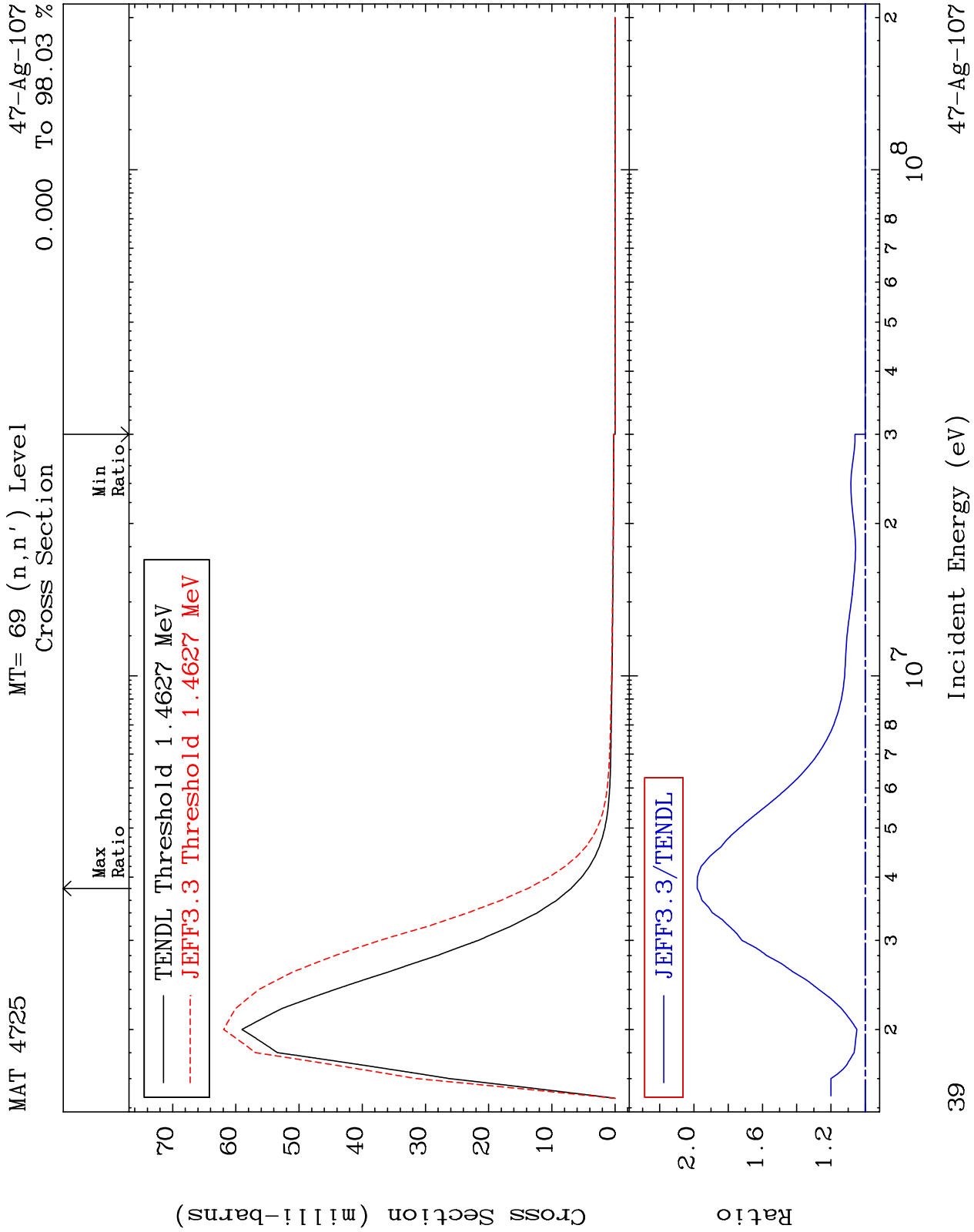
MAT 4725

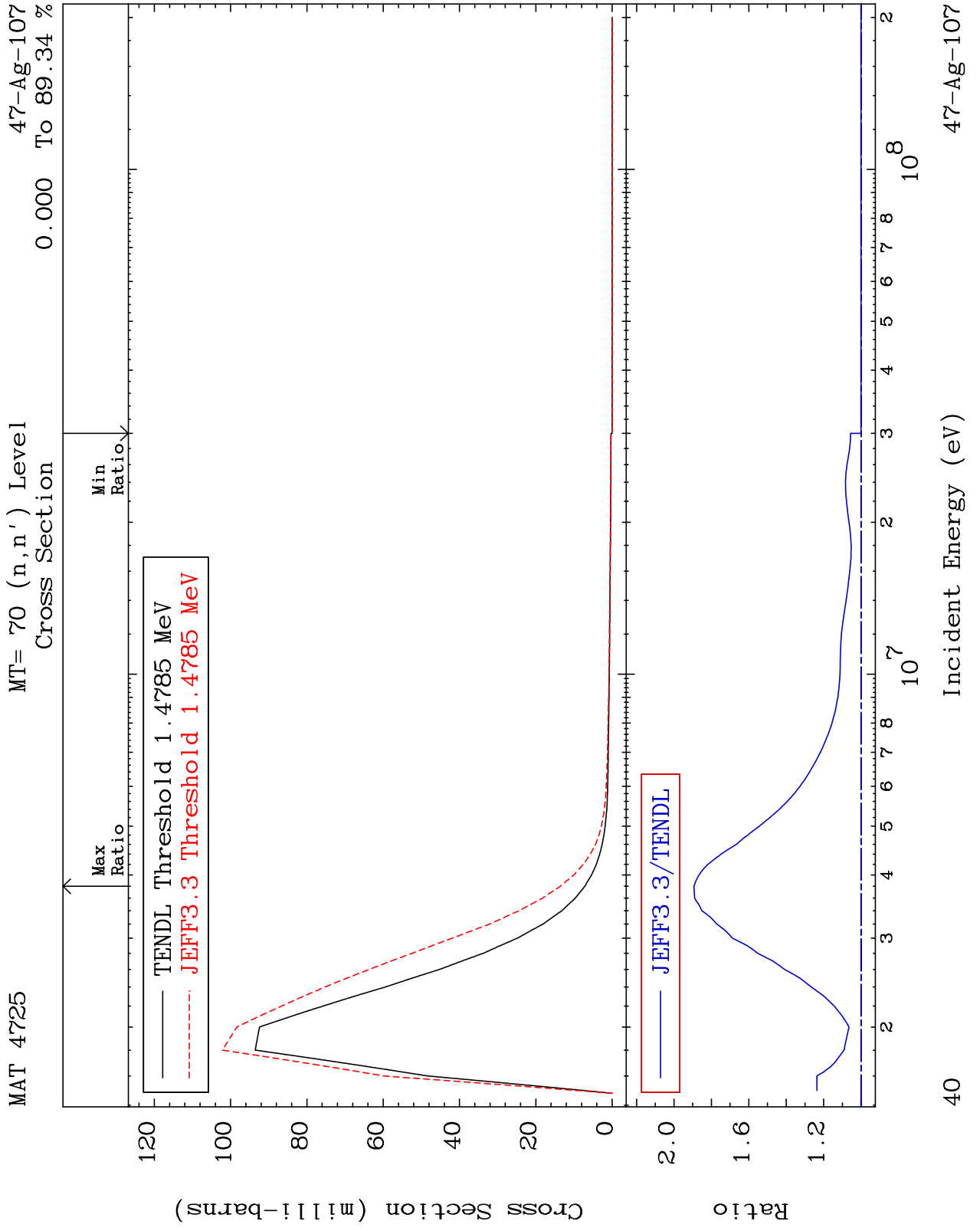
MT= 67 (n,n') Level
Cross Section

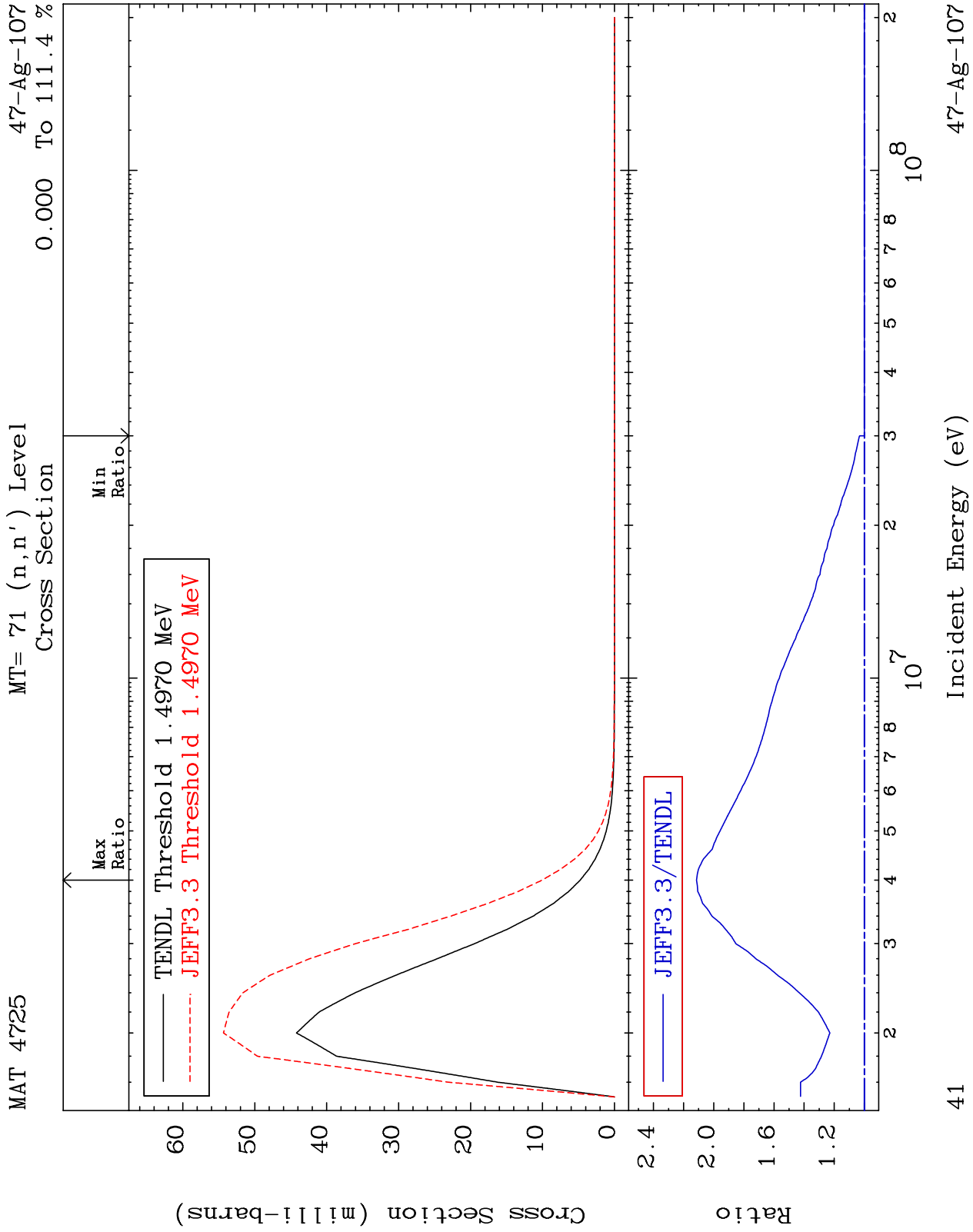
47-Ag-107
To 106.7 %

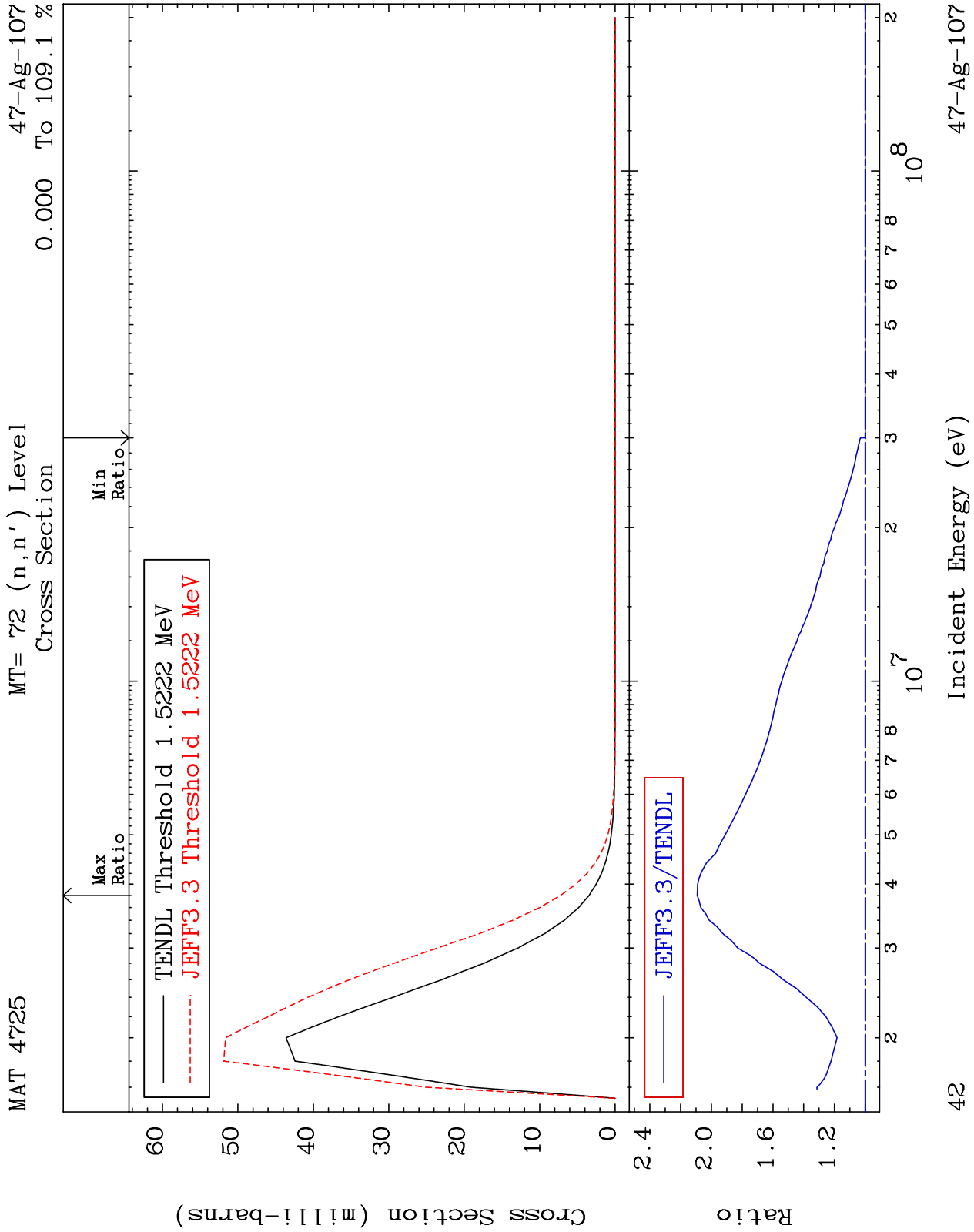


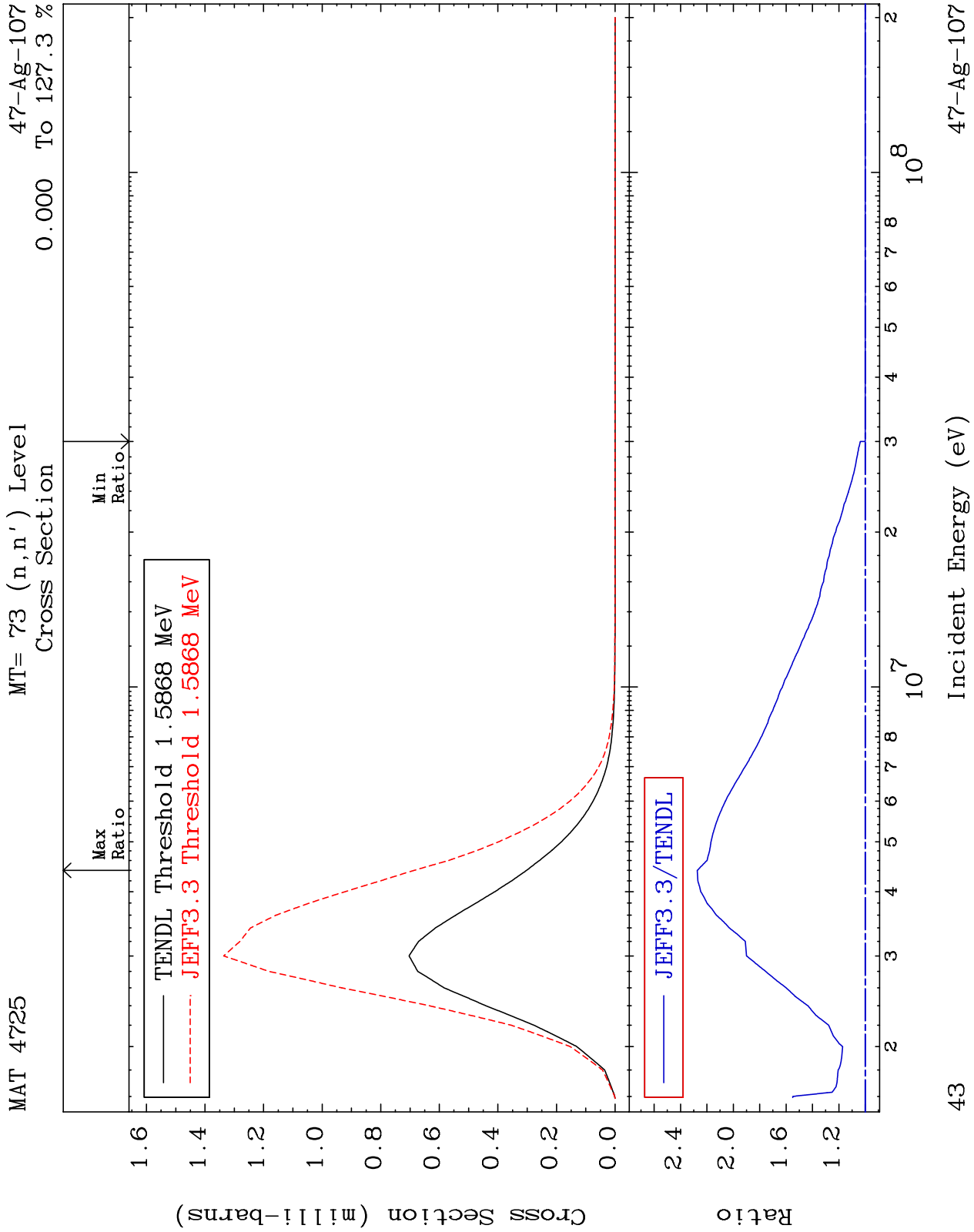


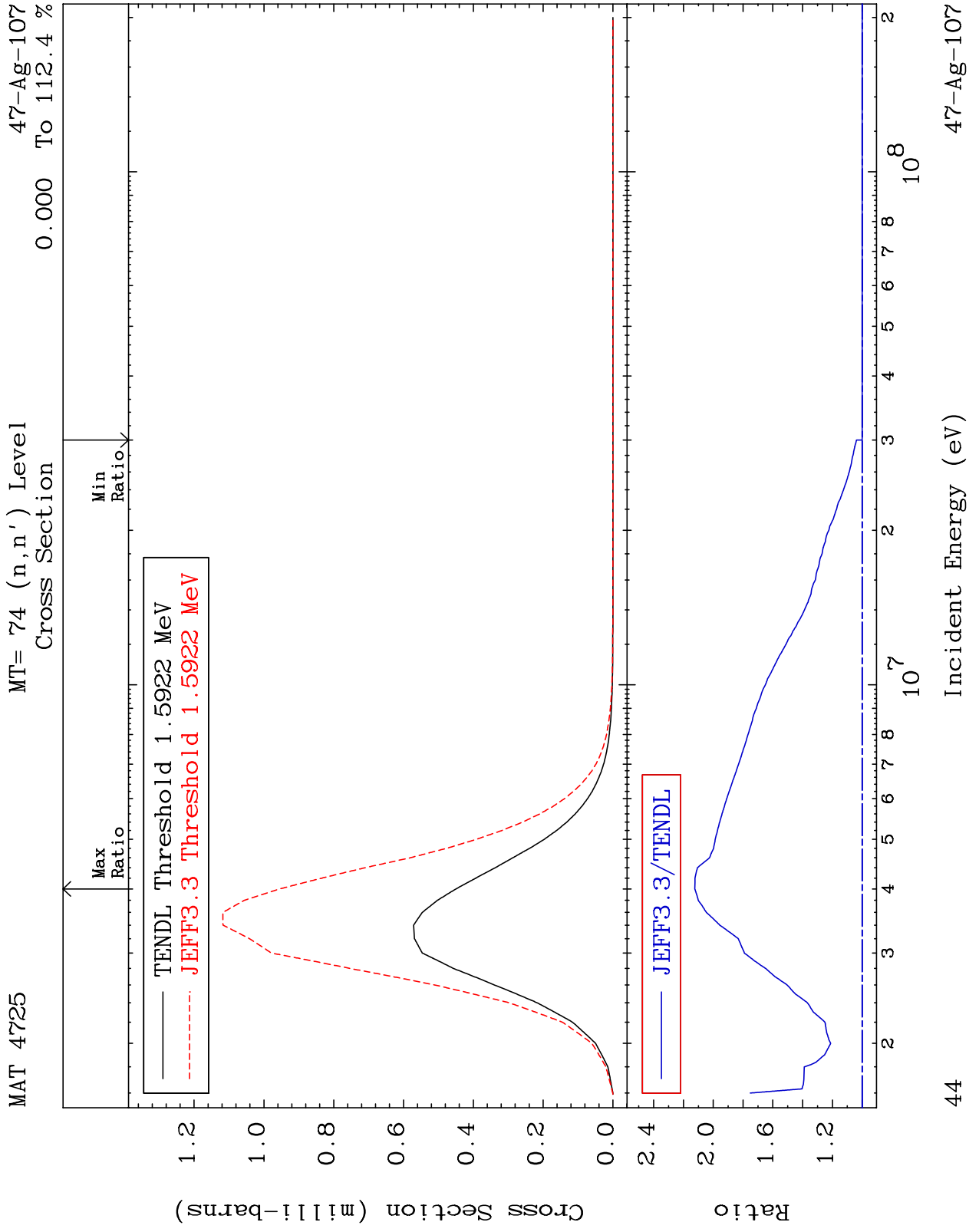


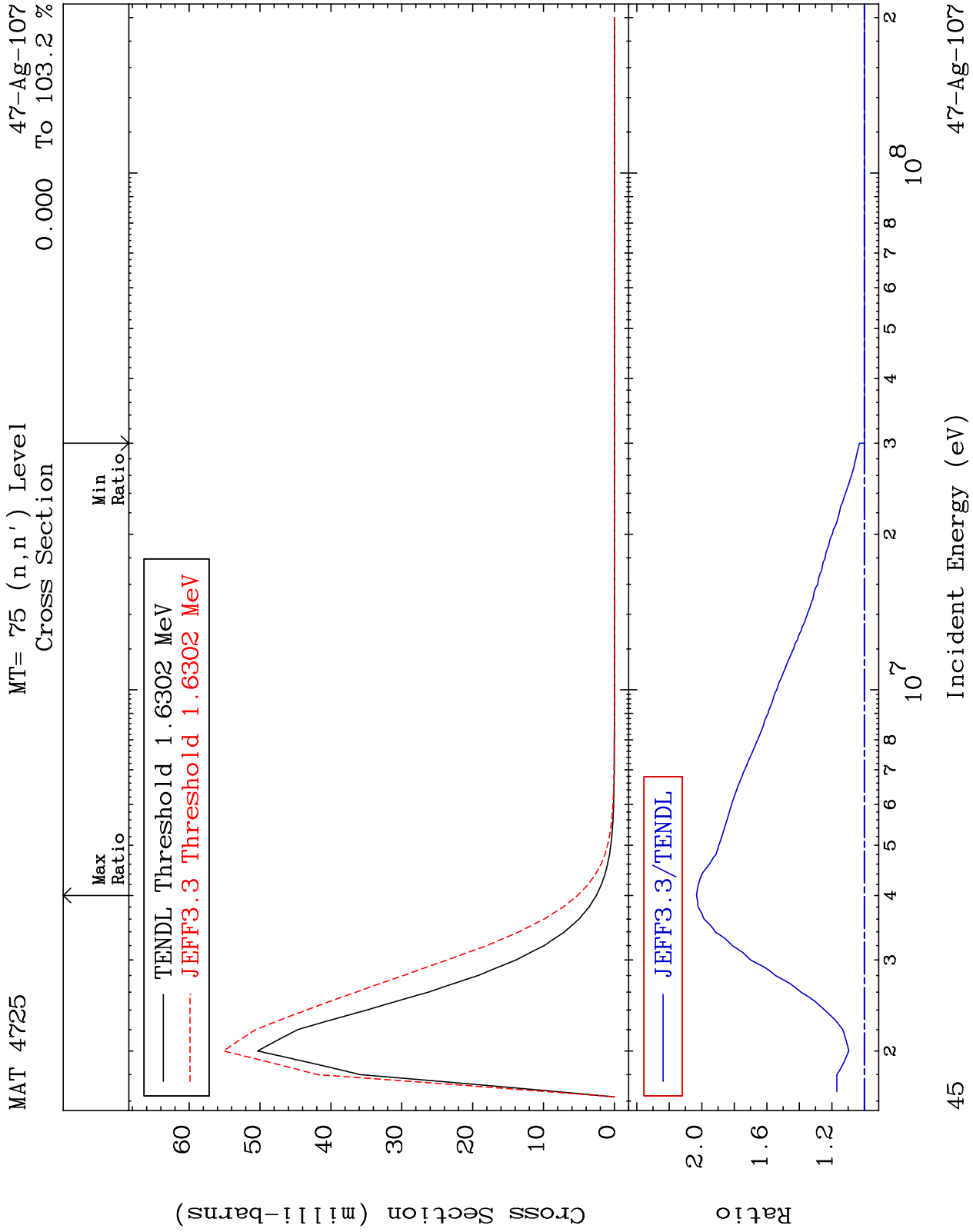


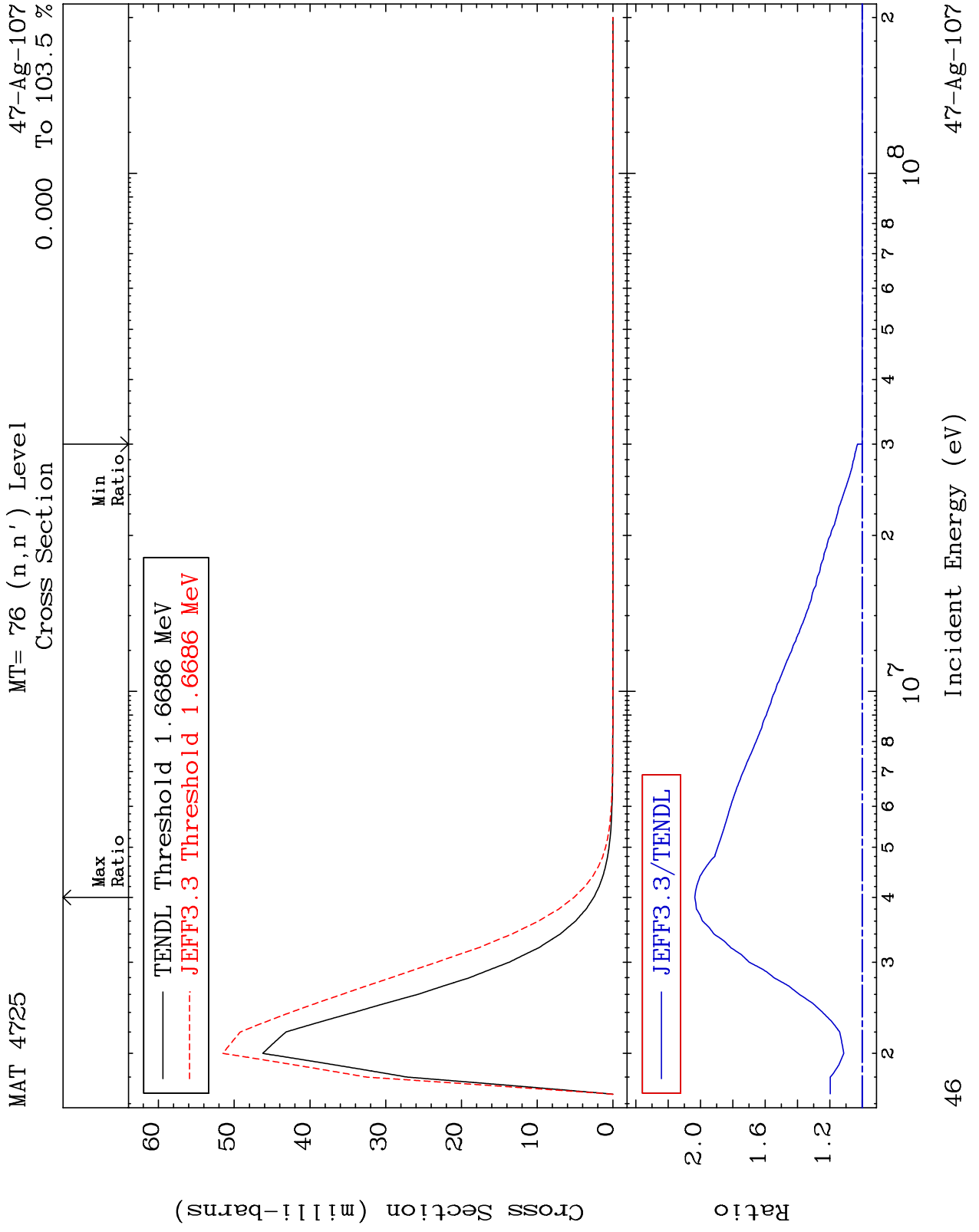


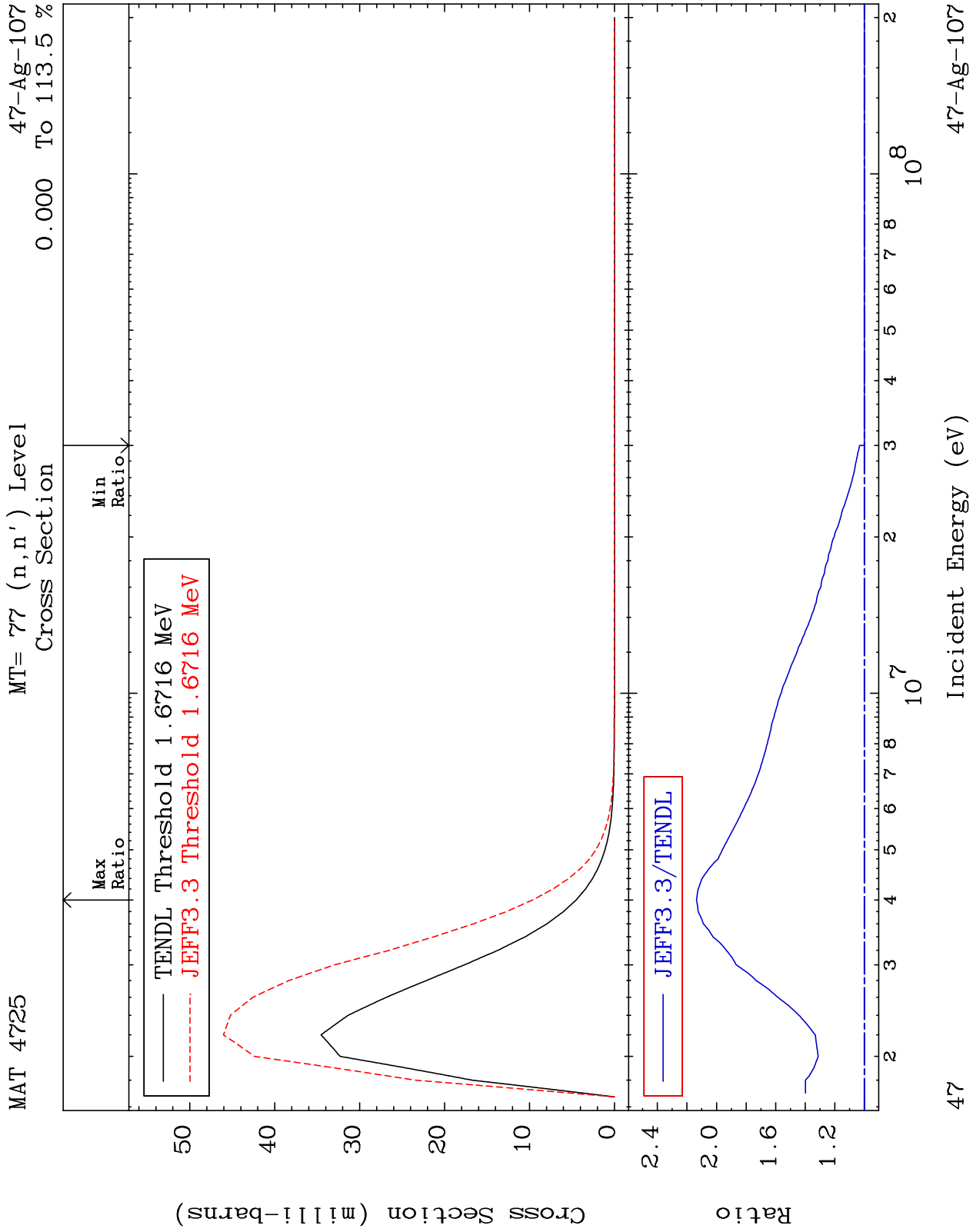


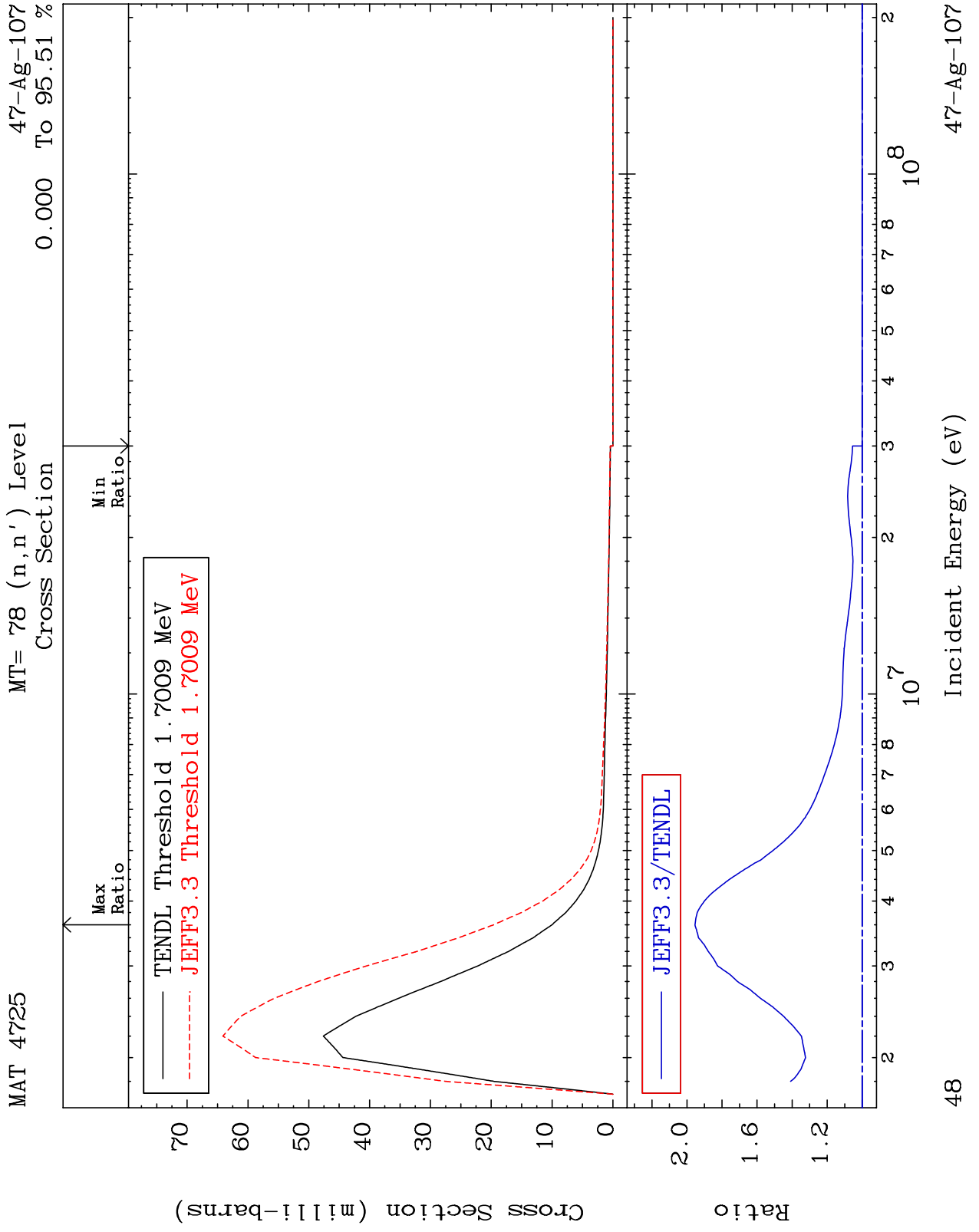


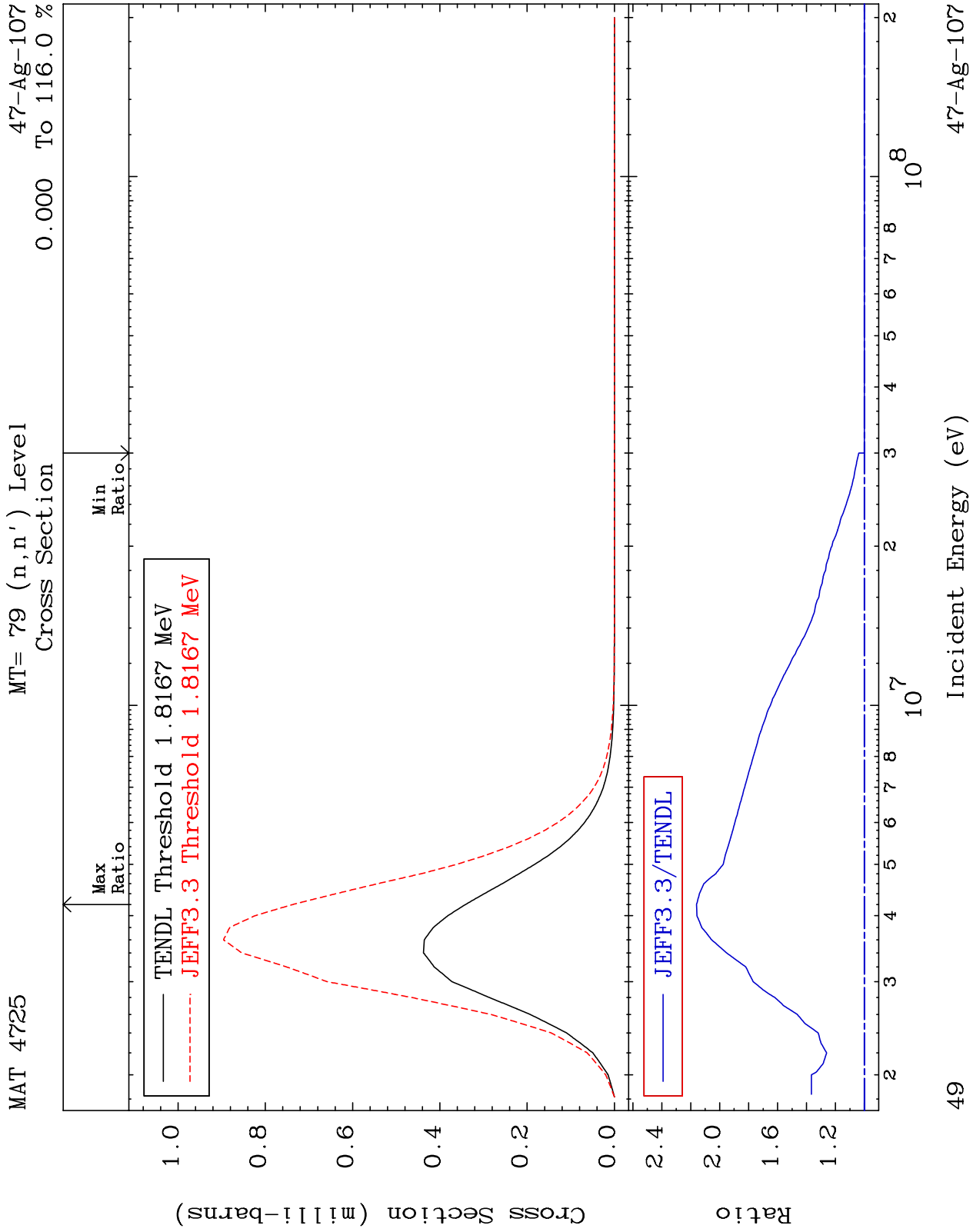


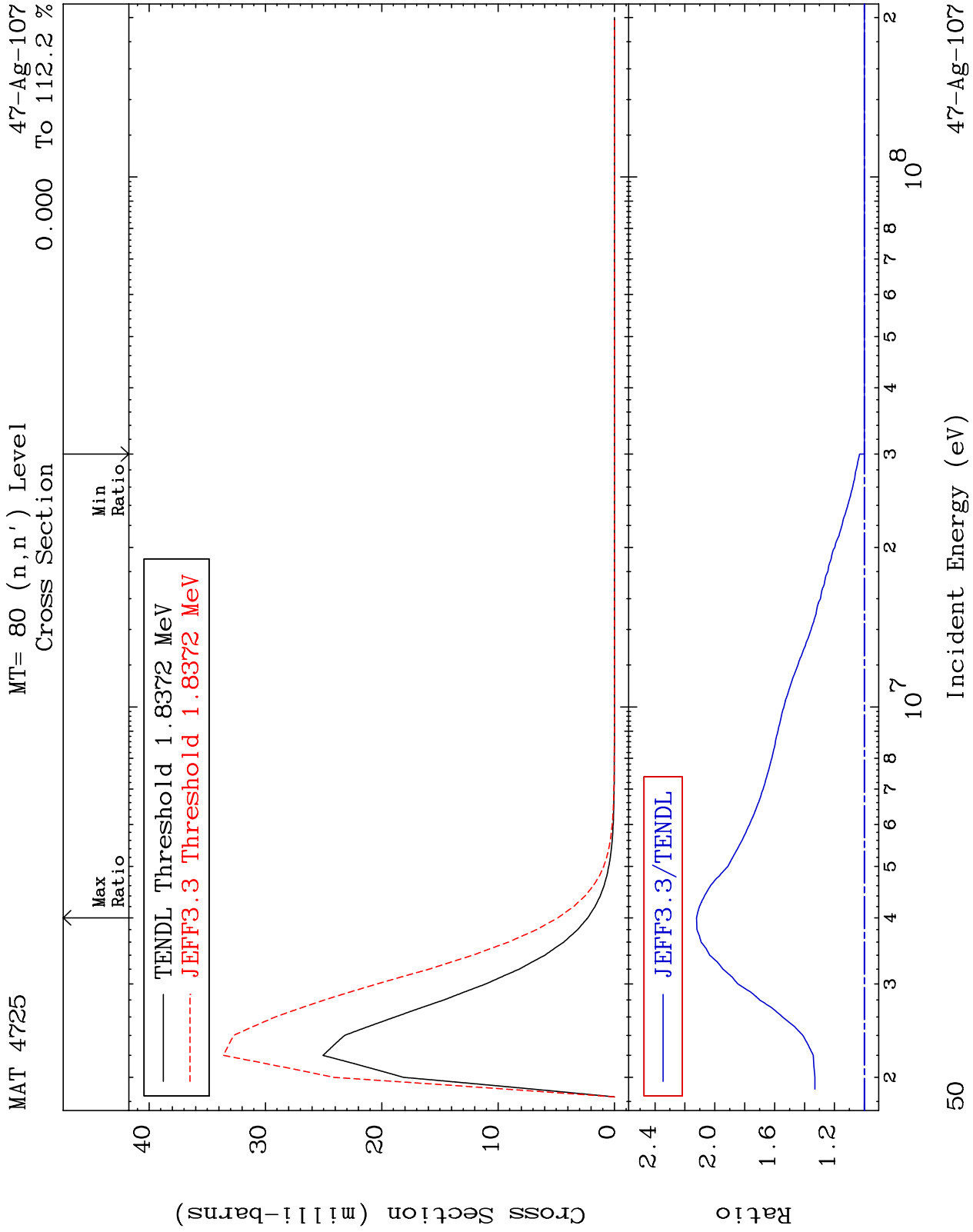








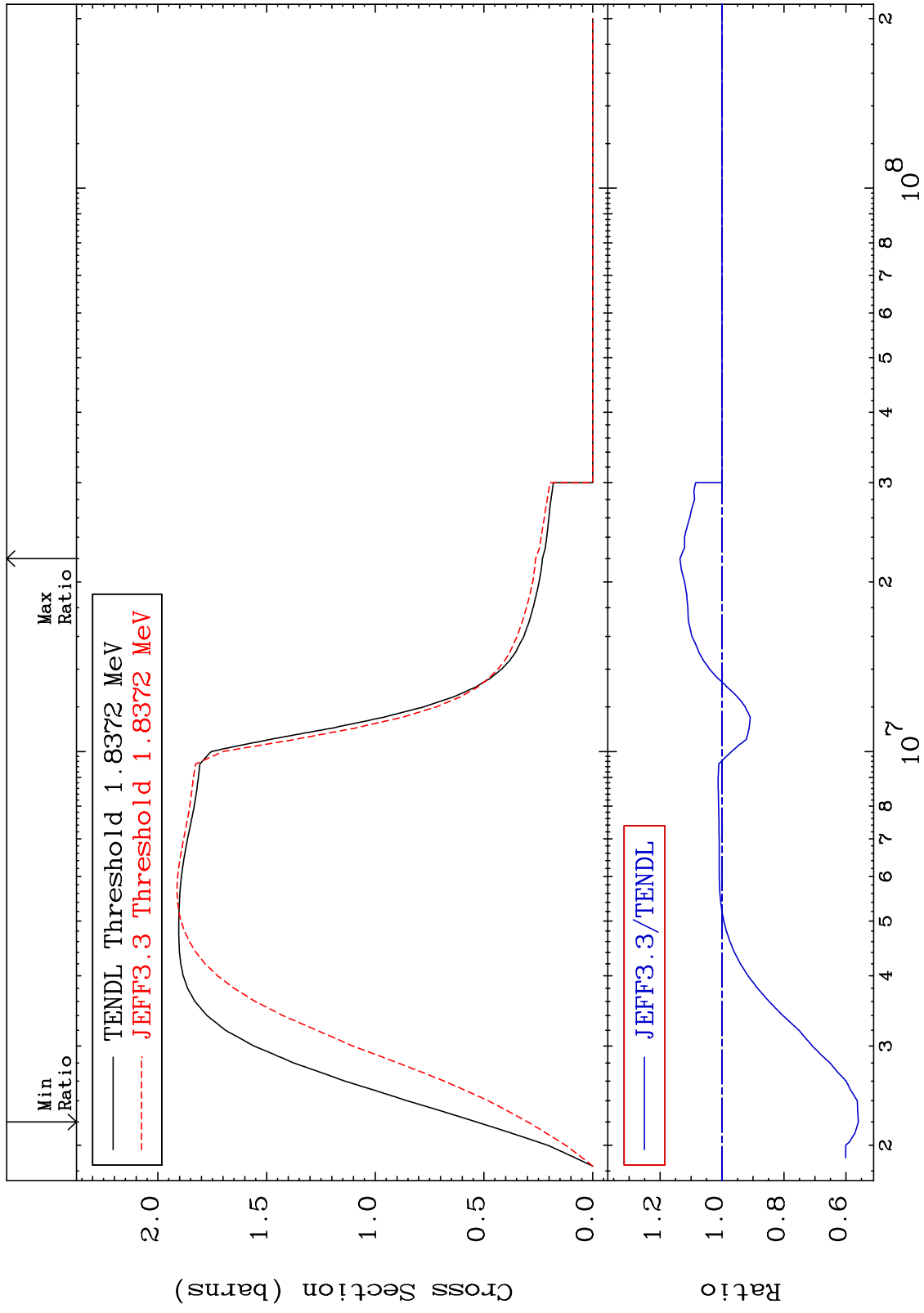




MAT 4725

(n, n') Continuum
Cross Section

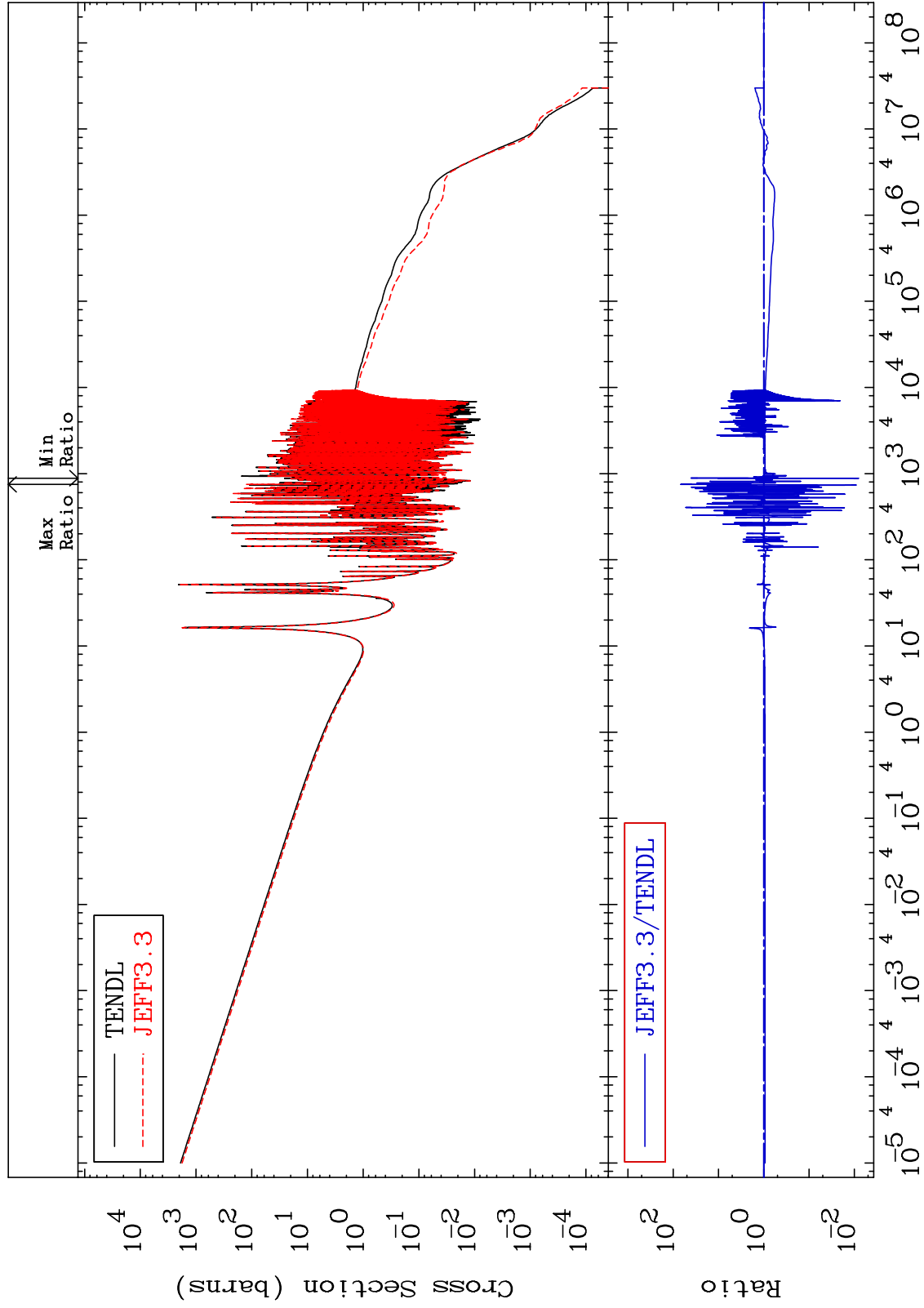
47-Ag-107
-44.05 To 13.59 %



MAT 4725

(n, γ)
Cross Section

47-Ag-107
-99.19 To 6829. %



52

Incident Energy (eV)

47-Ag-107

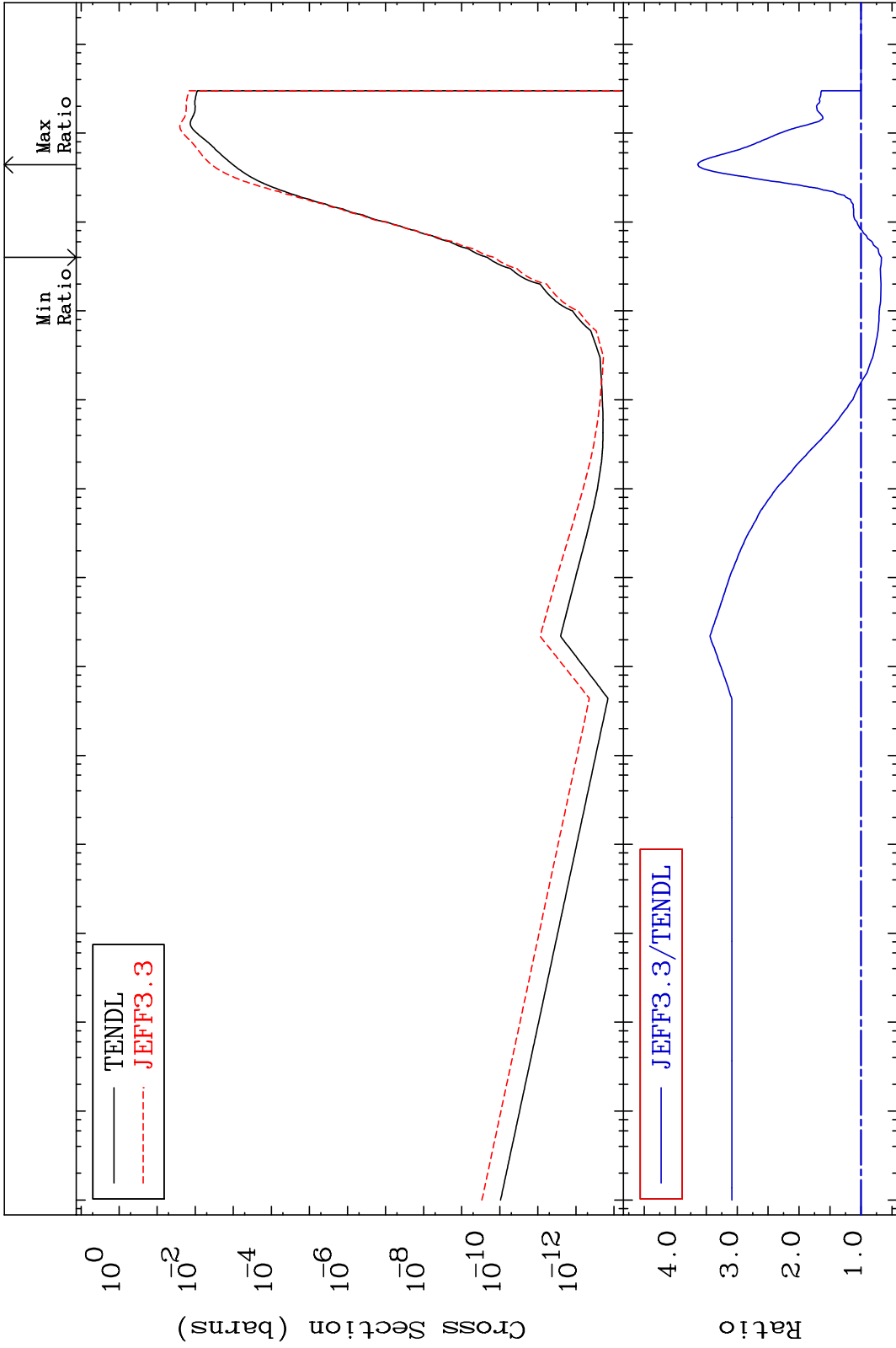
MAT 4725

(n, p)

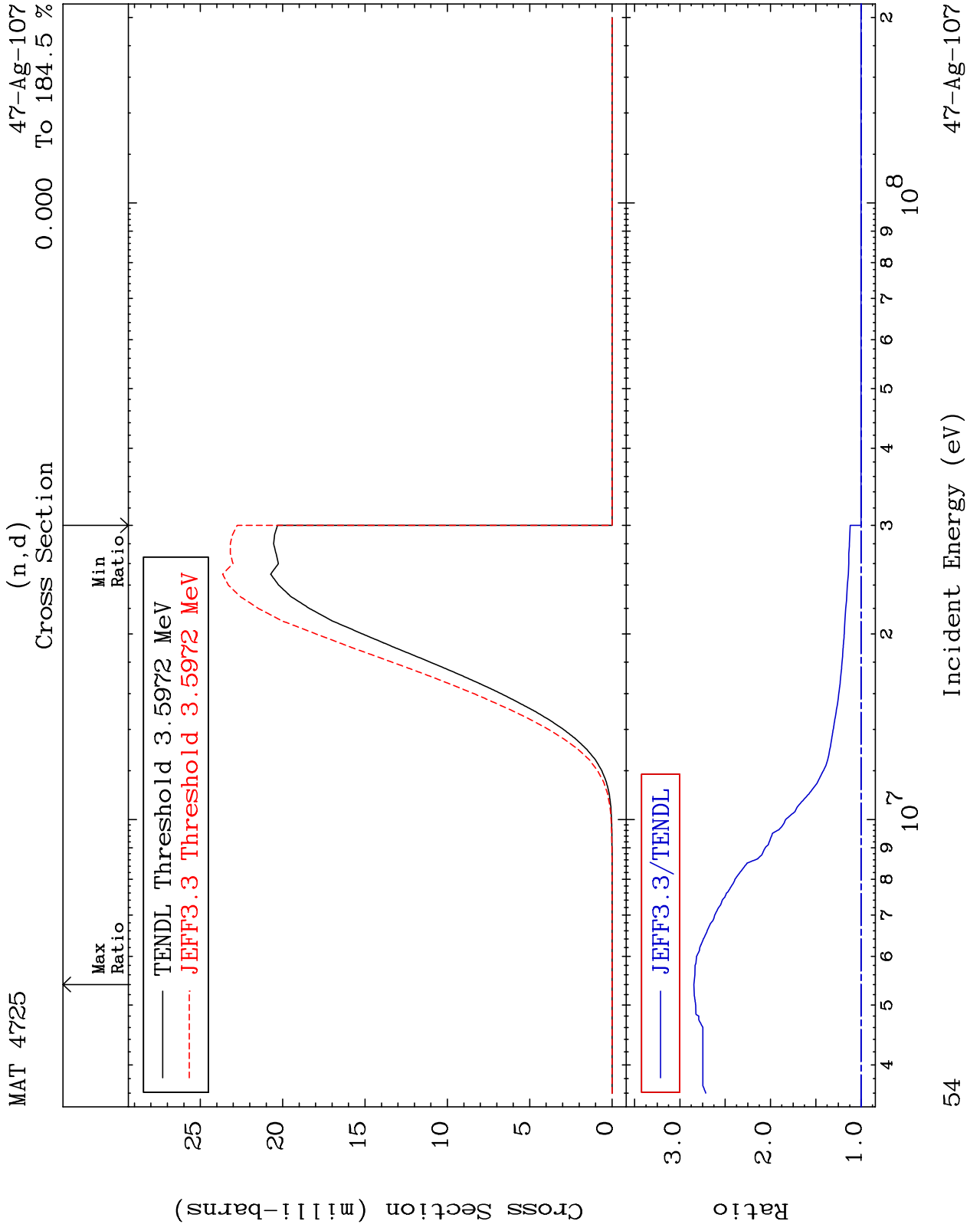
47-Ag-107

Cross Section

-33.18 To 263.6 %



Incident Energy (eV) 47-Ag-107



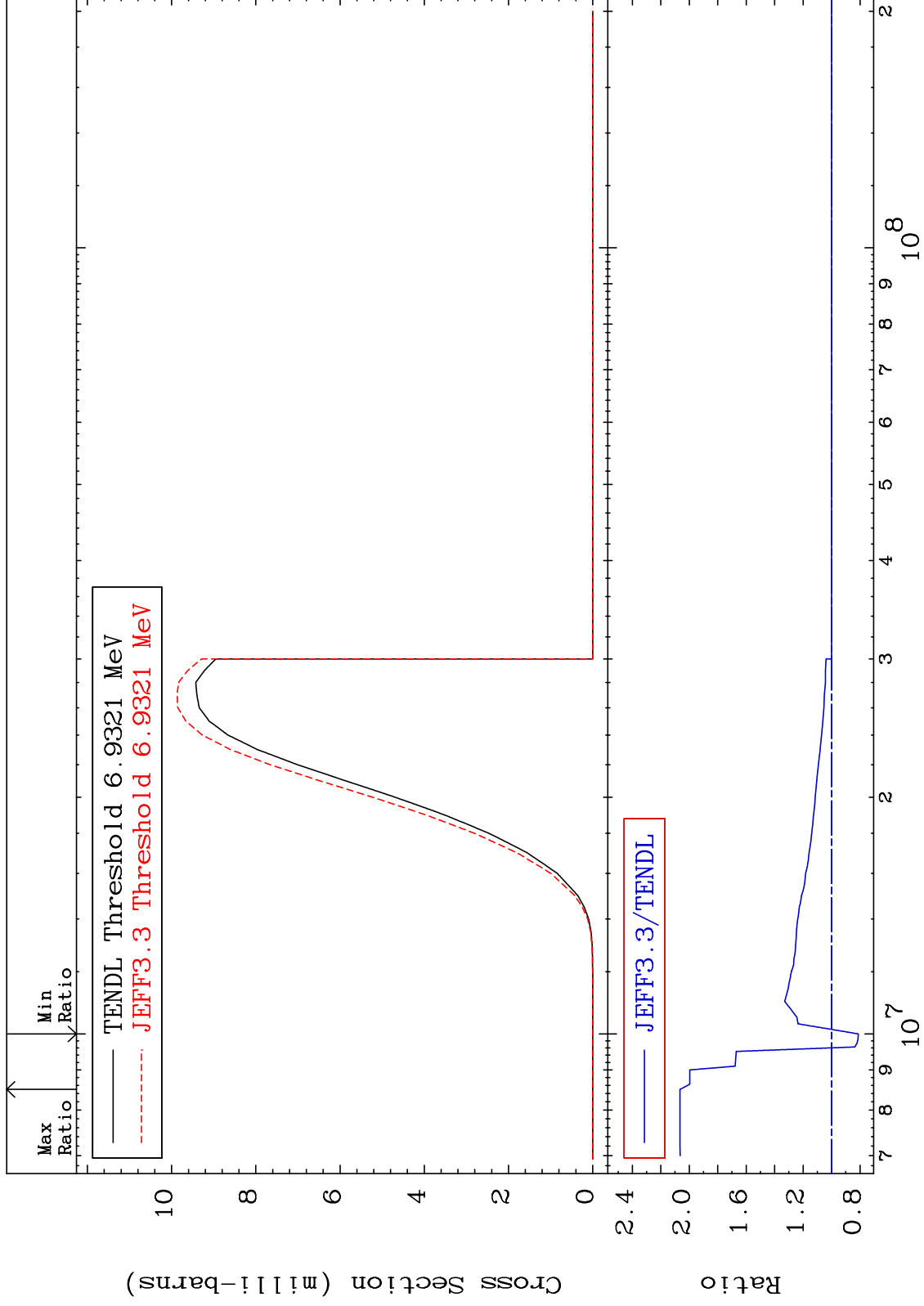
MAT 4725

(n, t)

47-Ag-107

Cross Section

-18.88 To 106.5 %



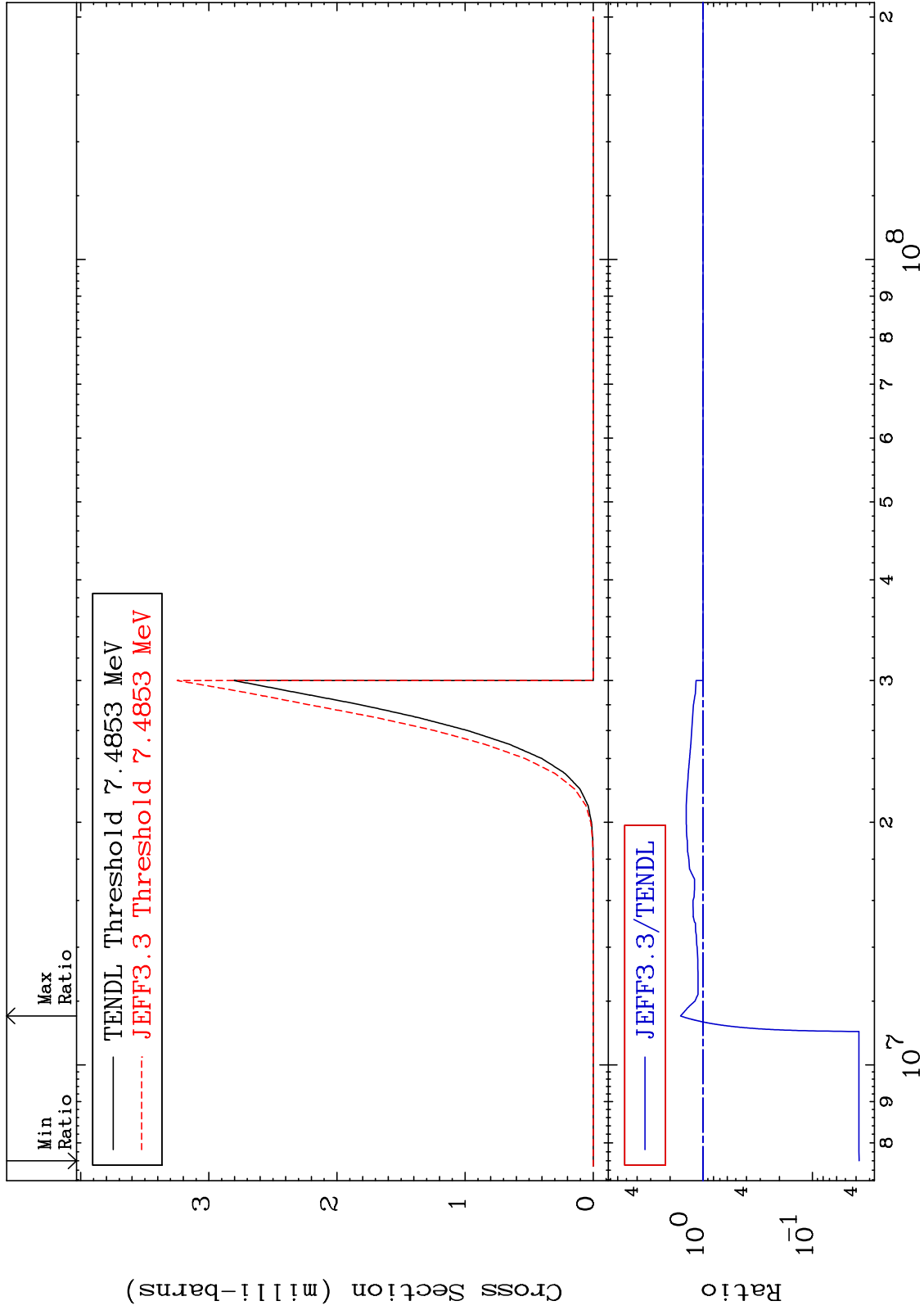
MAT 4725

(n, He-3)

47-Ag-107

Cross Section

-96.26 To 59.89 %



56

Incident Energy (eV)

47-Ag-107

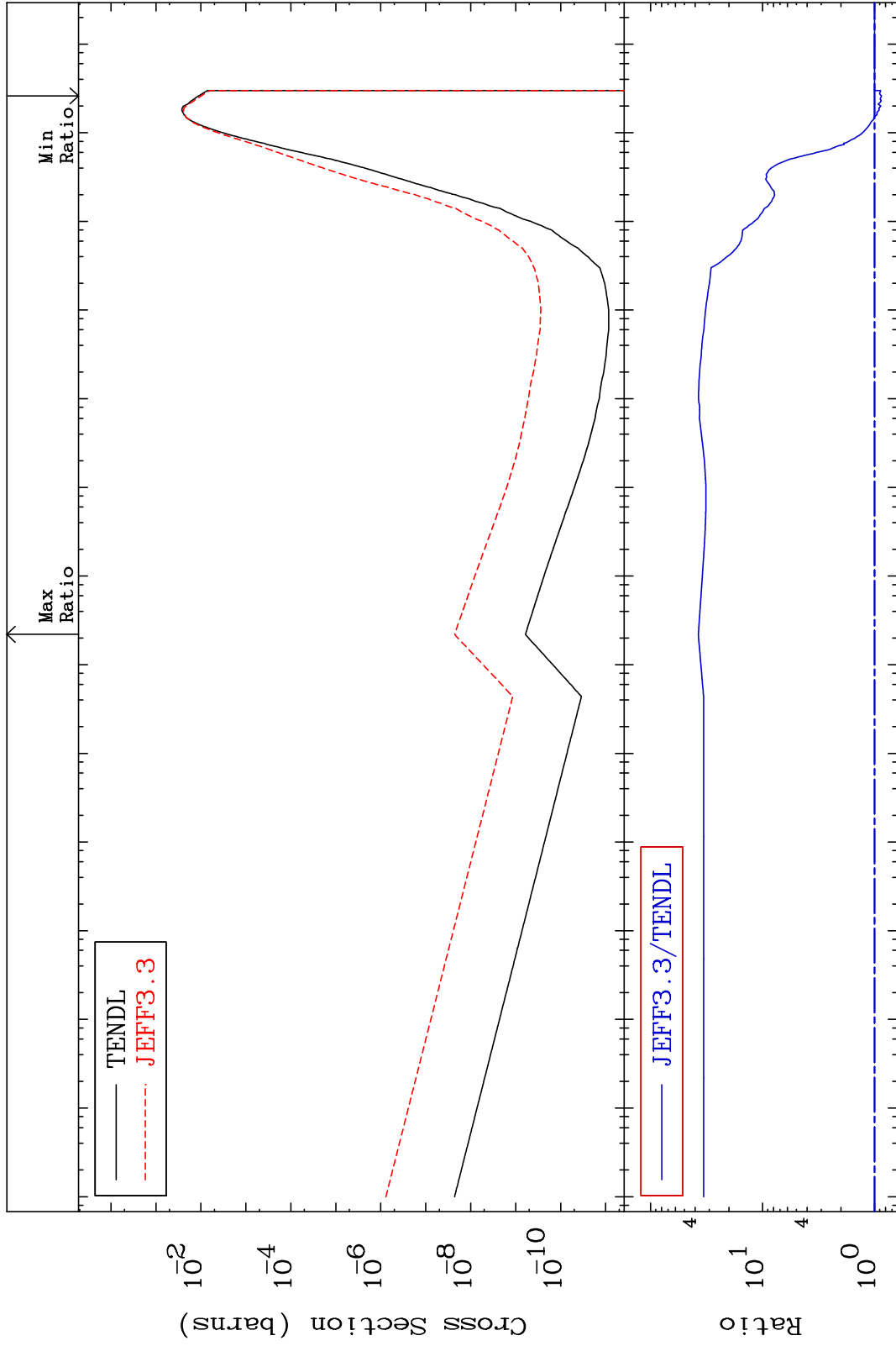
MAT 4725

(n, α)

47-Ag-107

Cross Section

-13.22 To 3647. %



57

Incident Energy (eV)

47-Ag-107

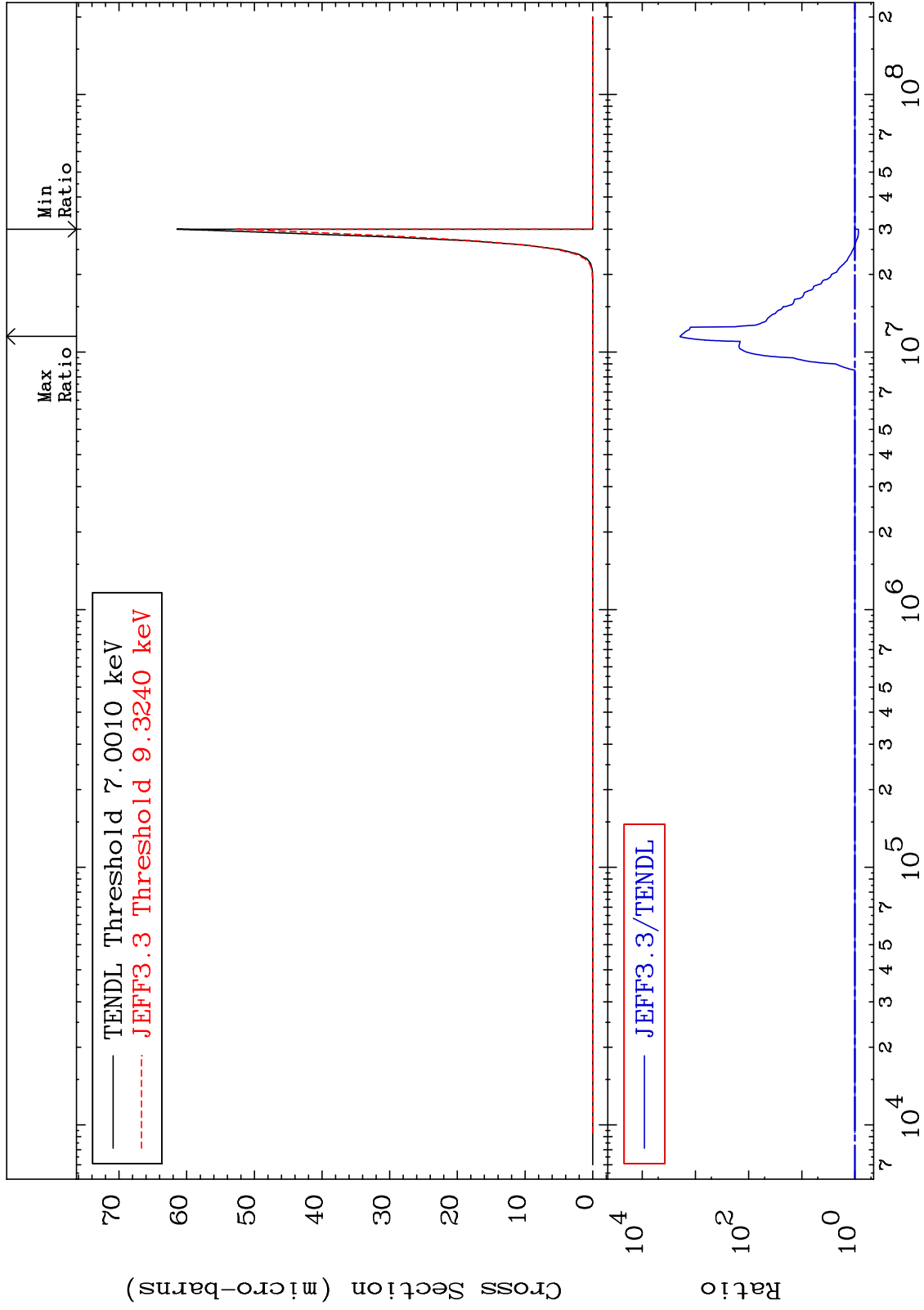
MAT 4725

(n, 2α)

47-Ag-107

Cross Section

-13.81 To 9999. %



58

Incident Energy (eV)

47-Ag-107

MAT 4725

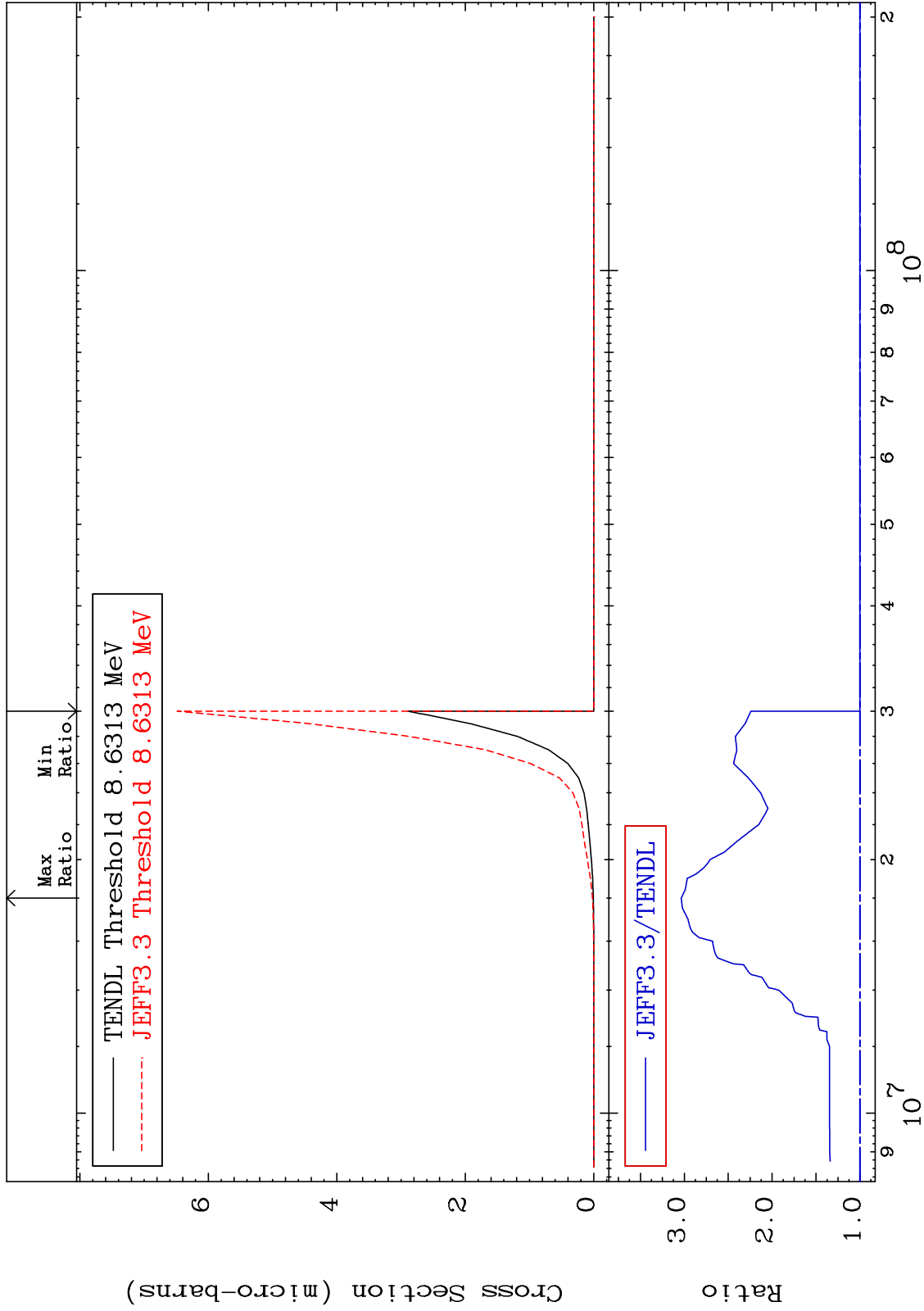
(n,2p)

47-Ag-107

Cross Section

0.000

To 203.5 %



59

47-Ag-107

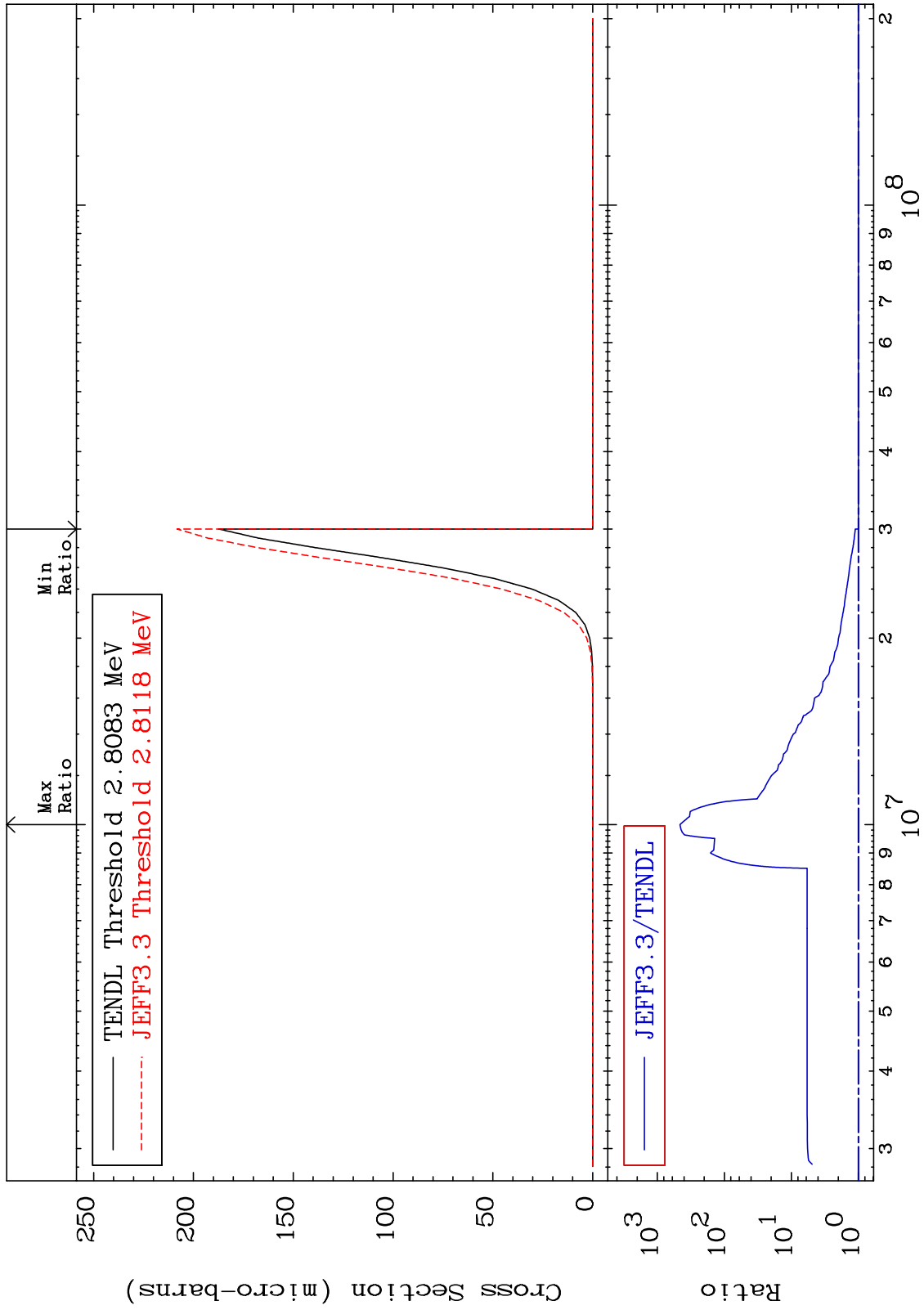
MAT 4725

(n,p) α

47-Ag-107

0.000 To 9999. %

Cross Section



60

Incident Energy (eV)

47-Ag-107

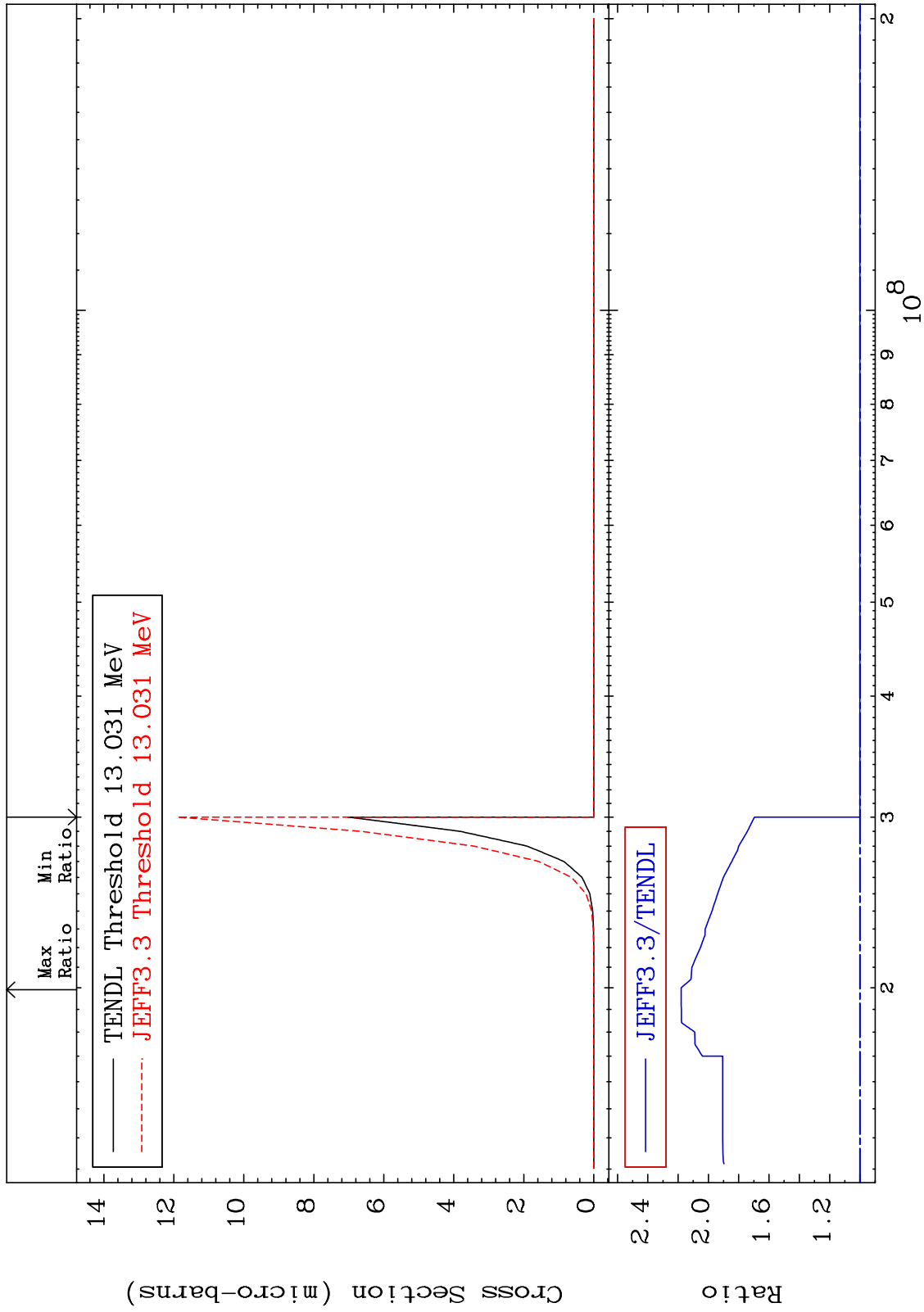
MAT 4725

(n,p) d

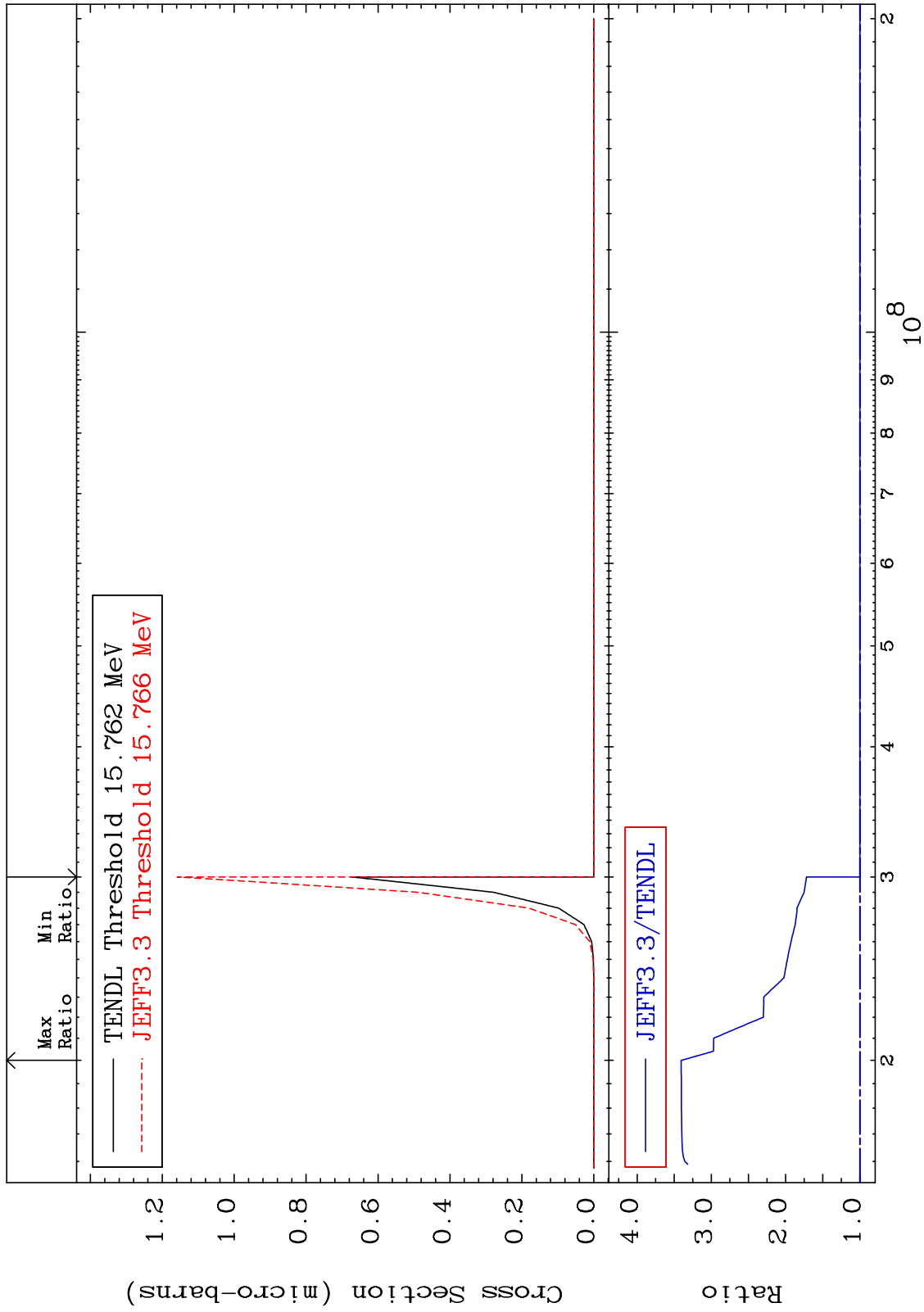
47-Ag-107

Cross Section

0.000 To 117.9 %



MAT 4725 (n,p) t 47-Ag-107
 Cross Section 0.000 To 240.6 %



MAT 4725

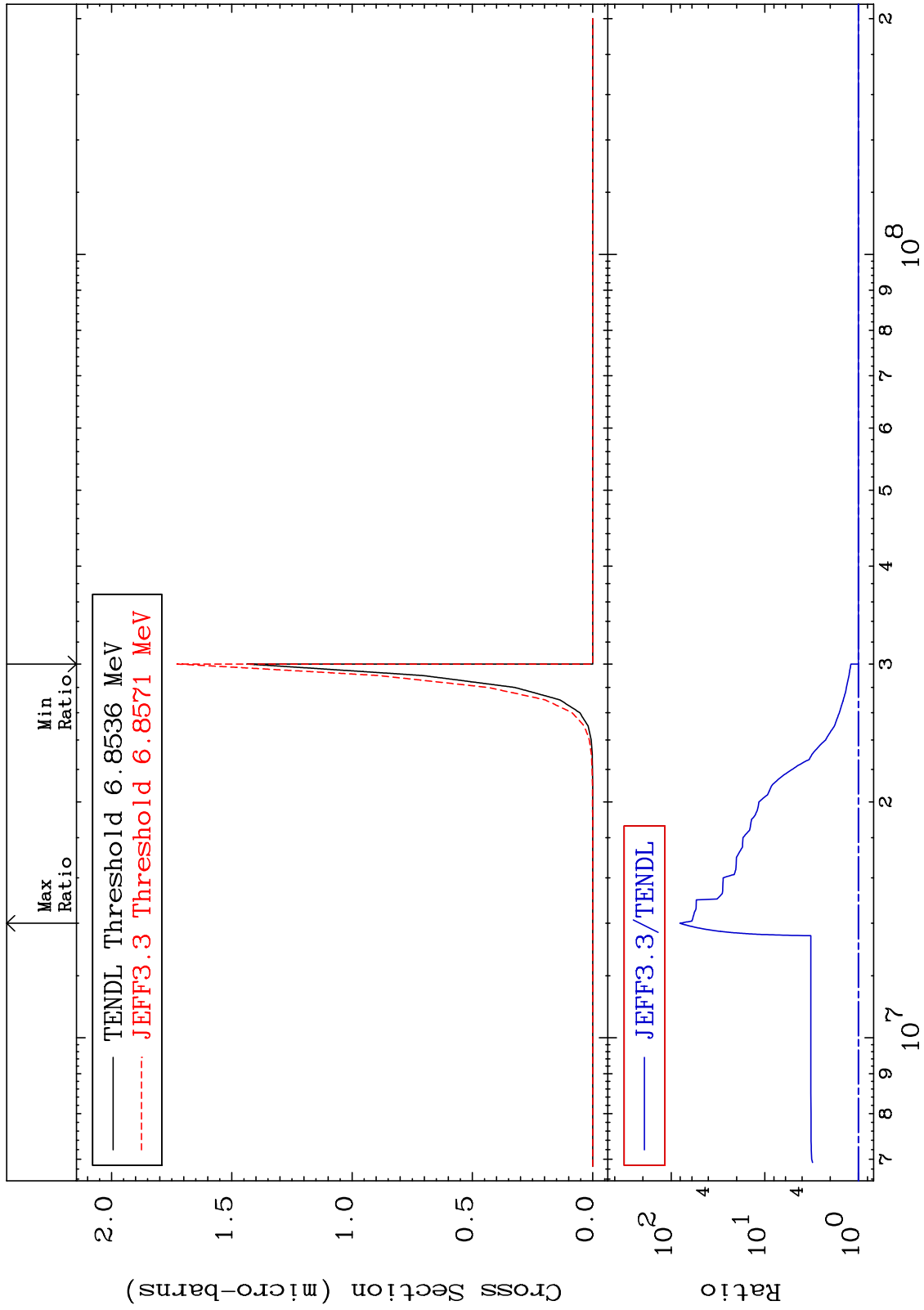
(n,d) α

47-Ag-107

Cross Section

0.000

To 7937. %



47-Ag-107

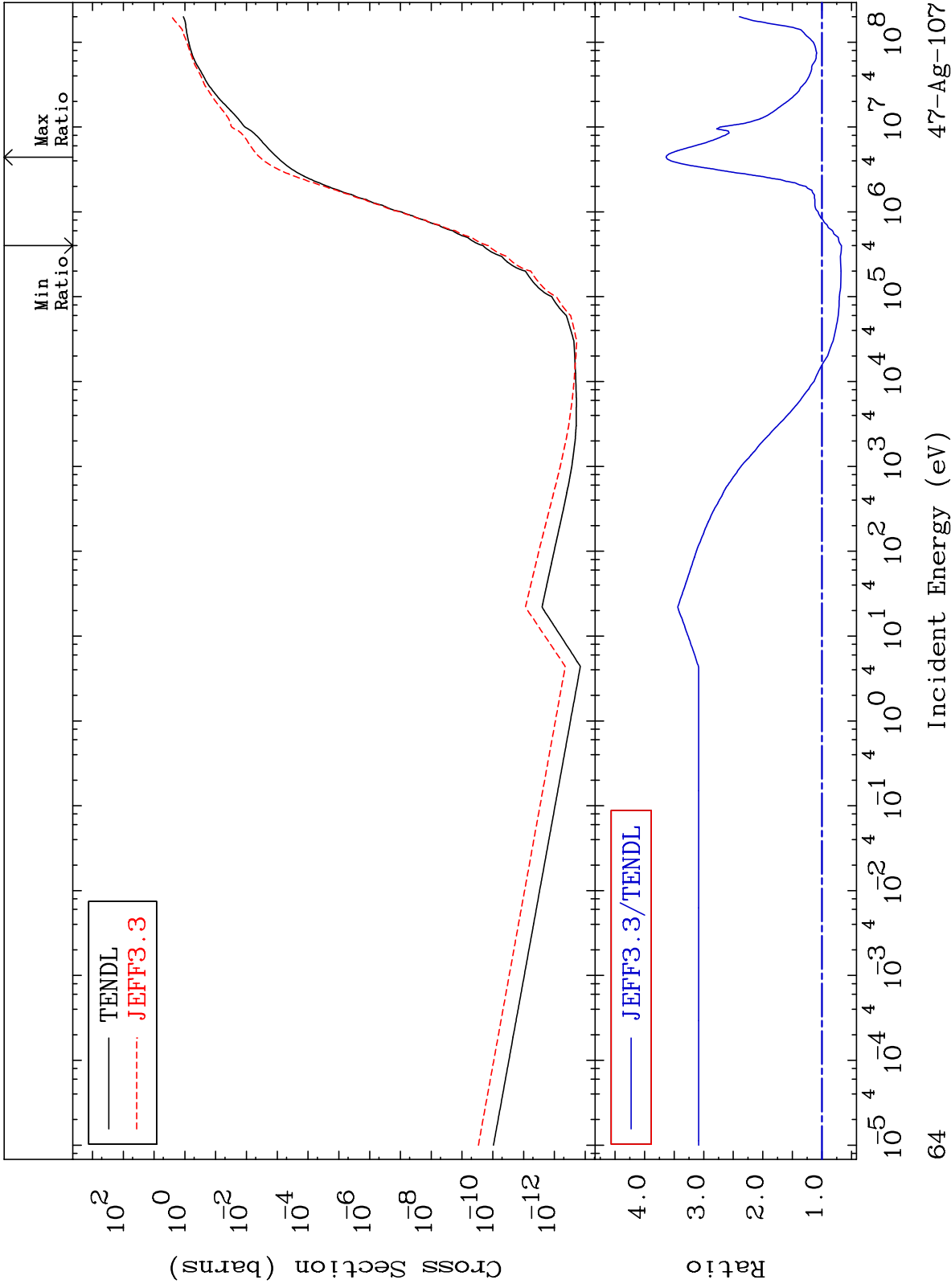
Incident Energy (eV)

63

MAT 4725

Hydrogen Production
Cross Section

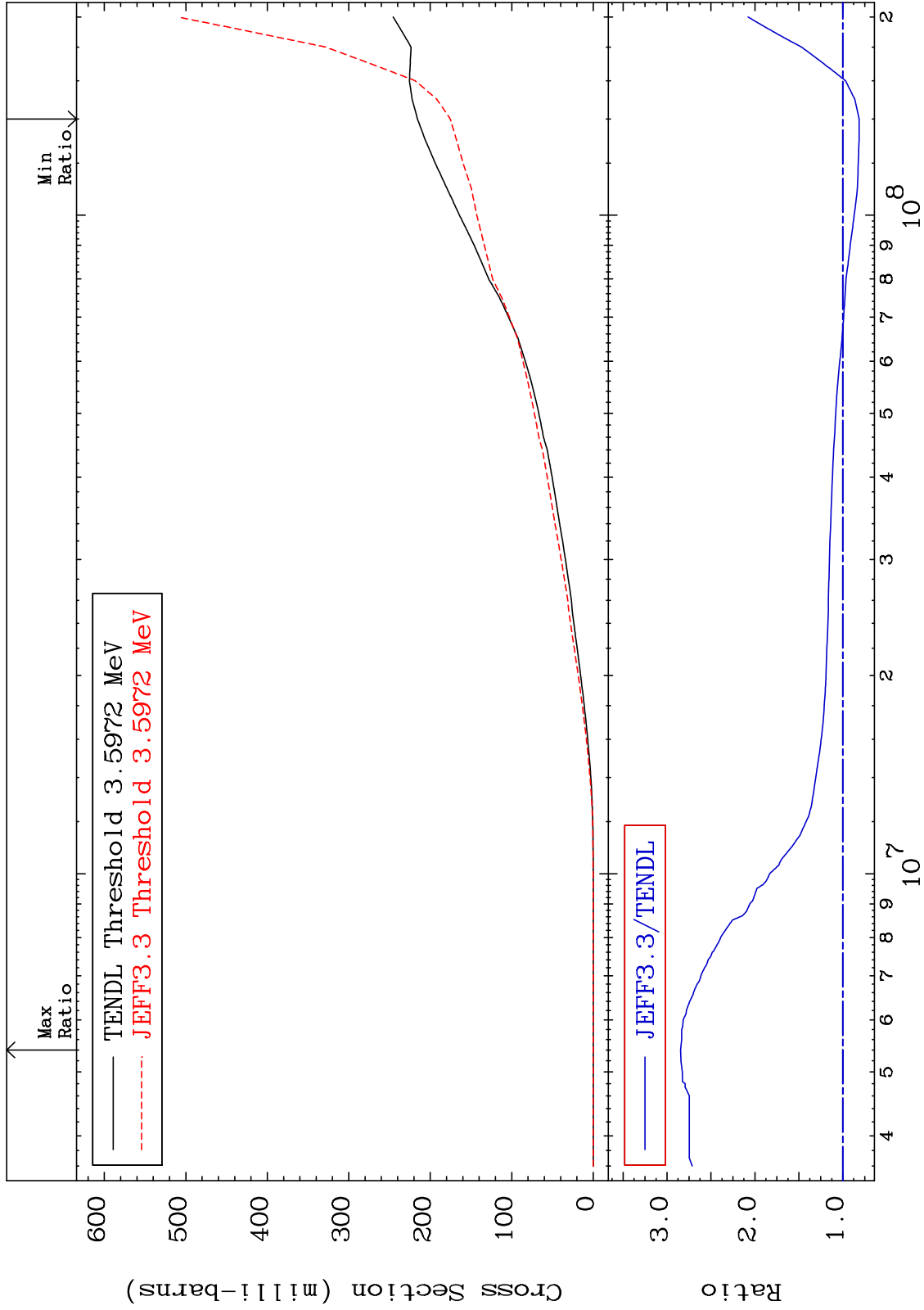
47-Ag-107
-33.18 To 263.6 %



MAT 4725

Deuterium Production
Cross Section

47-Ag-107
-18.66 To 184.5 %



65

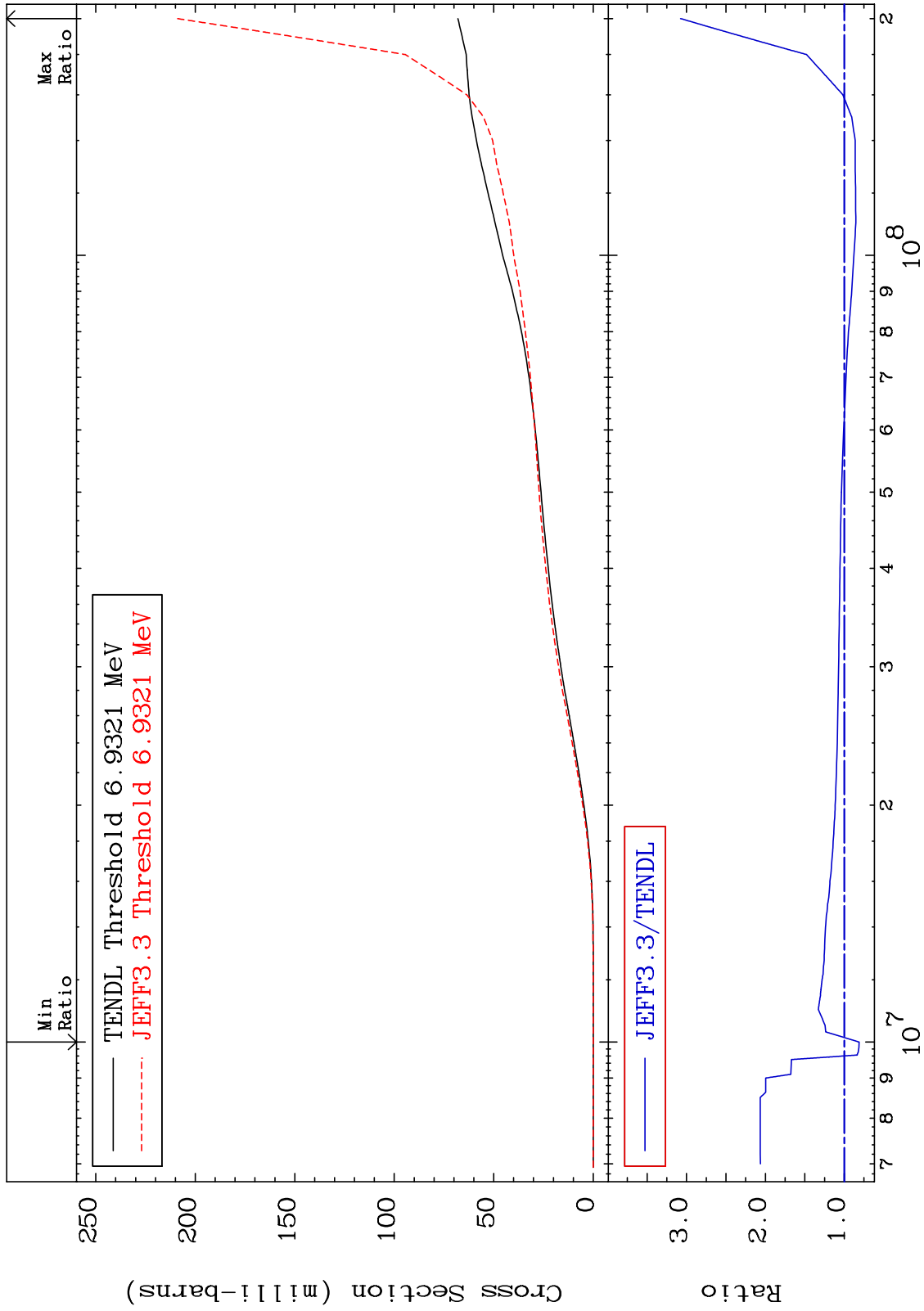
Incident Energy (eV)

47-Ag-107

MAT 4725

Tritium Production
Cross Section

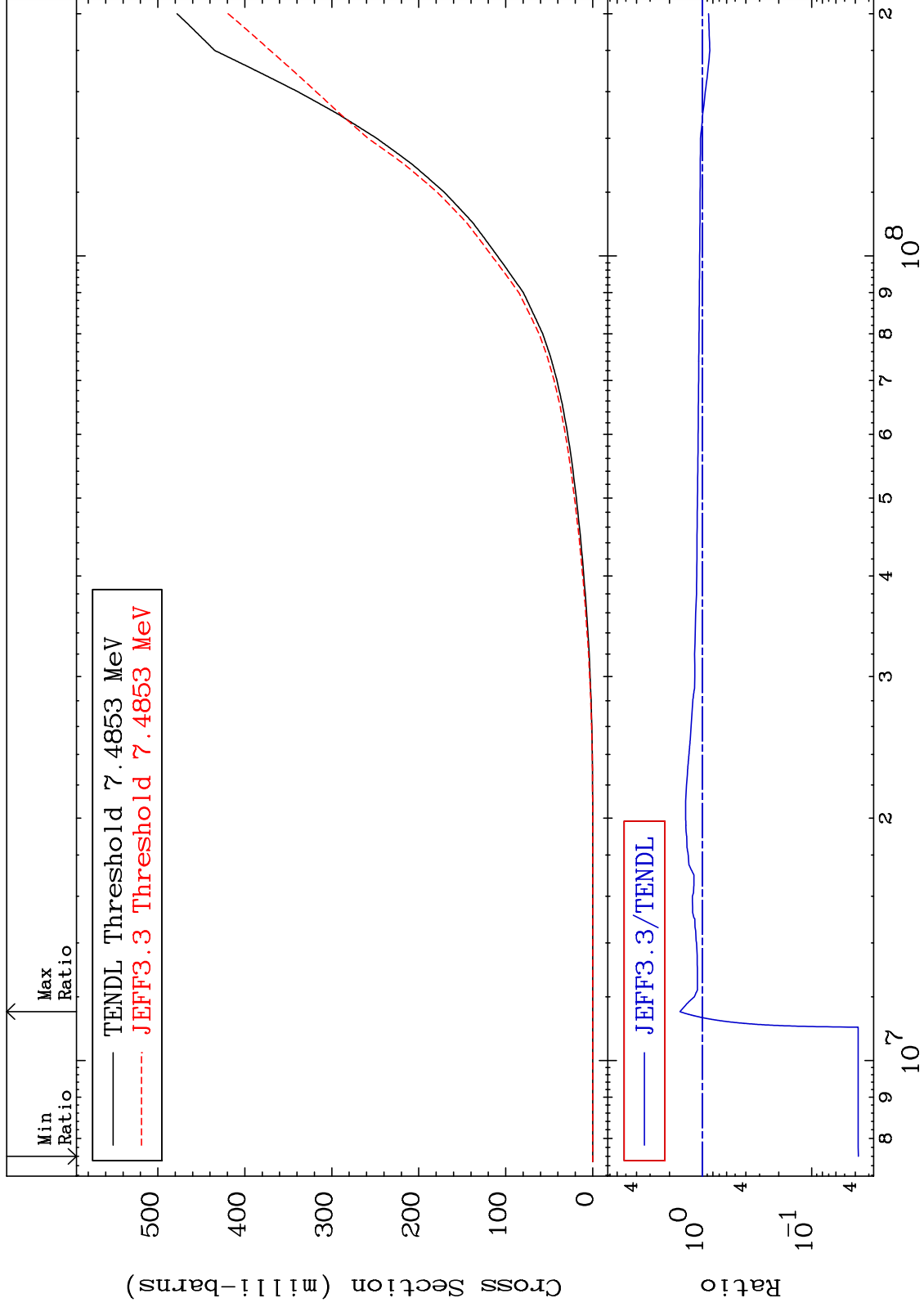
47-Ag-107
-18.88 To 207.5 %



MAT 4725

He-3 Production
Cross Section

47-Ag-107
-96.26 To 59.89 %



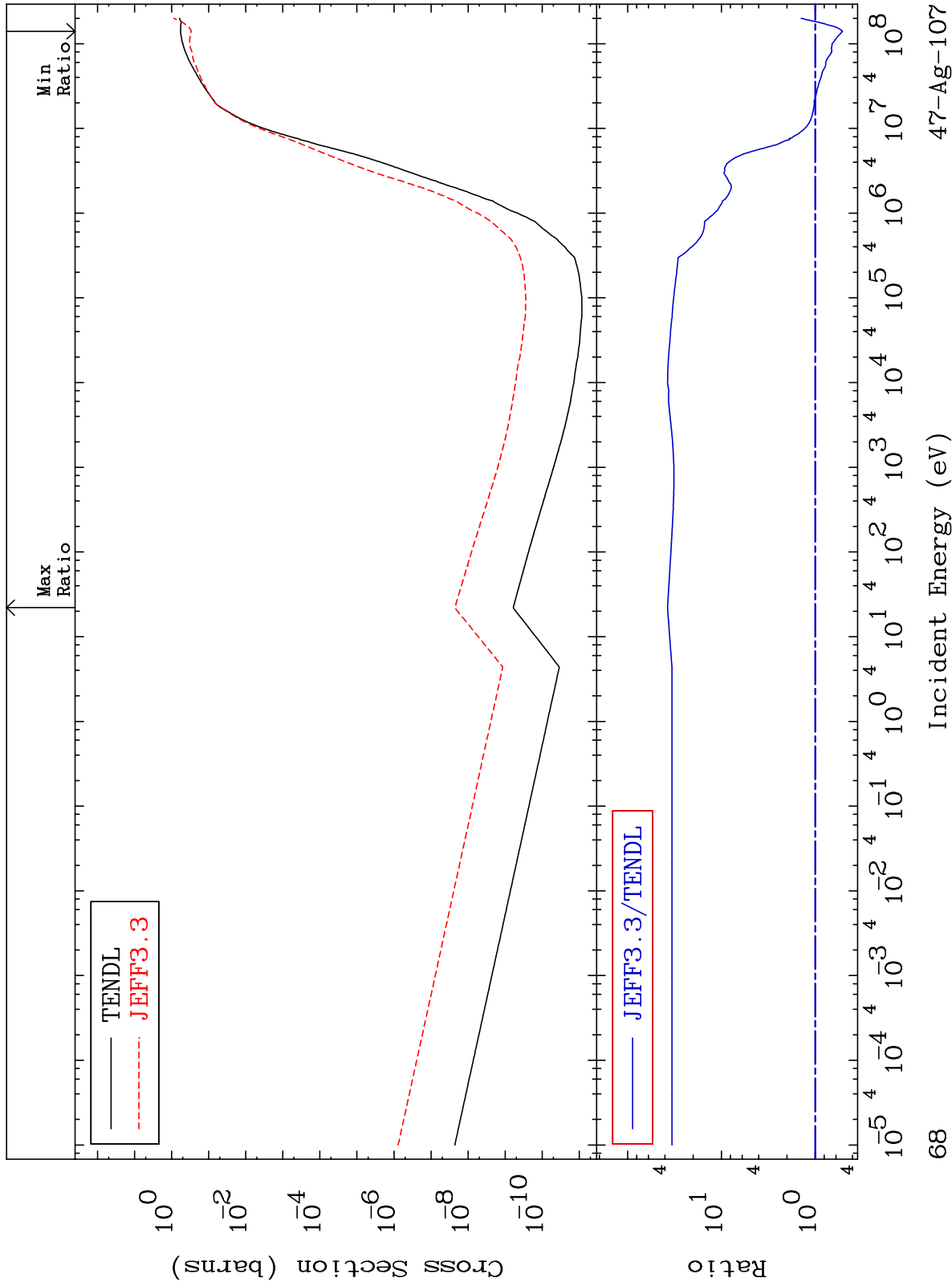
67

47-Ag-107

MAT 4725

He-4 Production
Cross Section

47-Ag-107
-49.09 To 3647. %



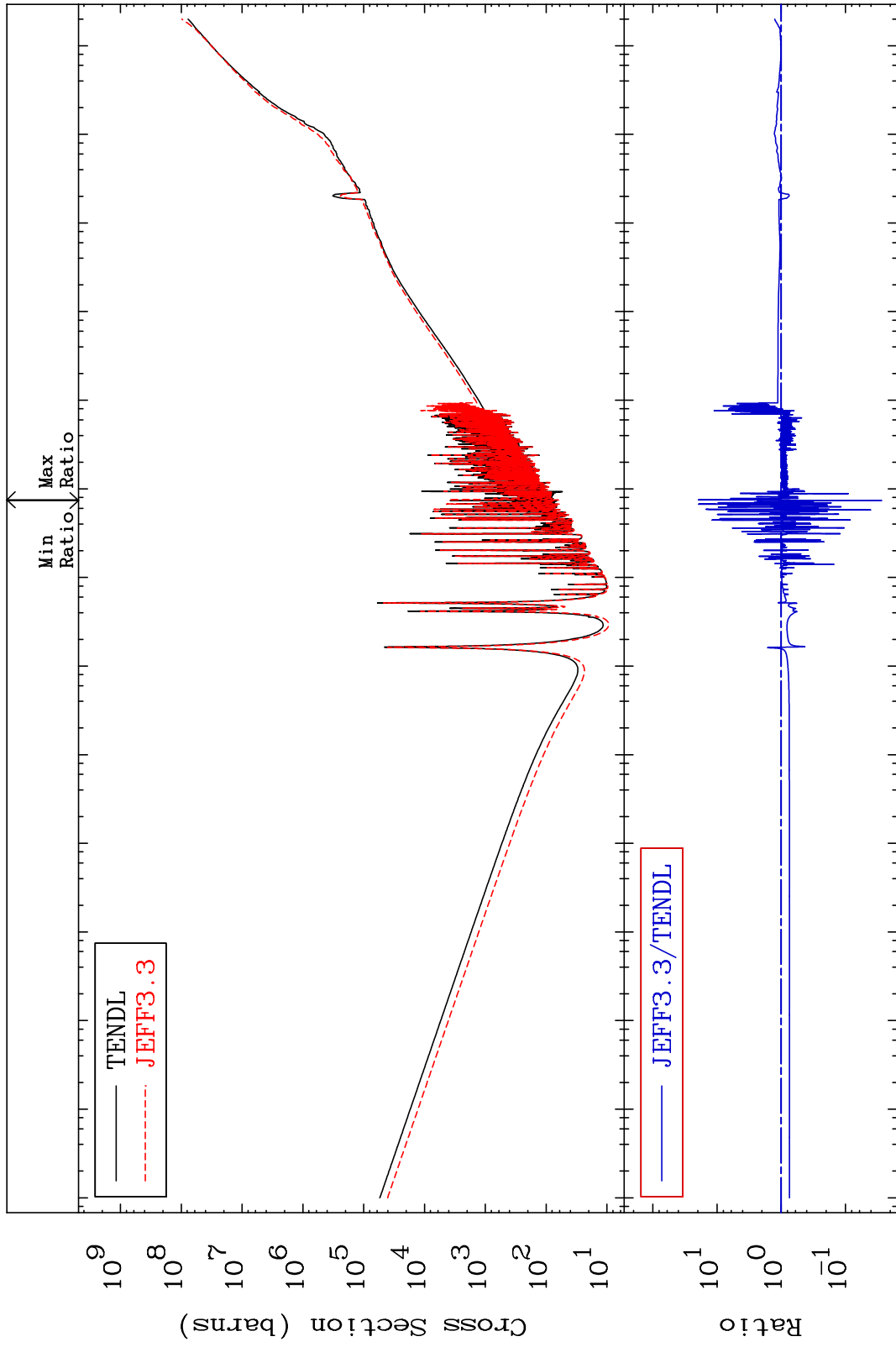
68

47-Ag-107

MAT 4725

Kerma total (eV-barns)
Cross Section

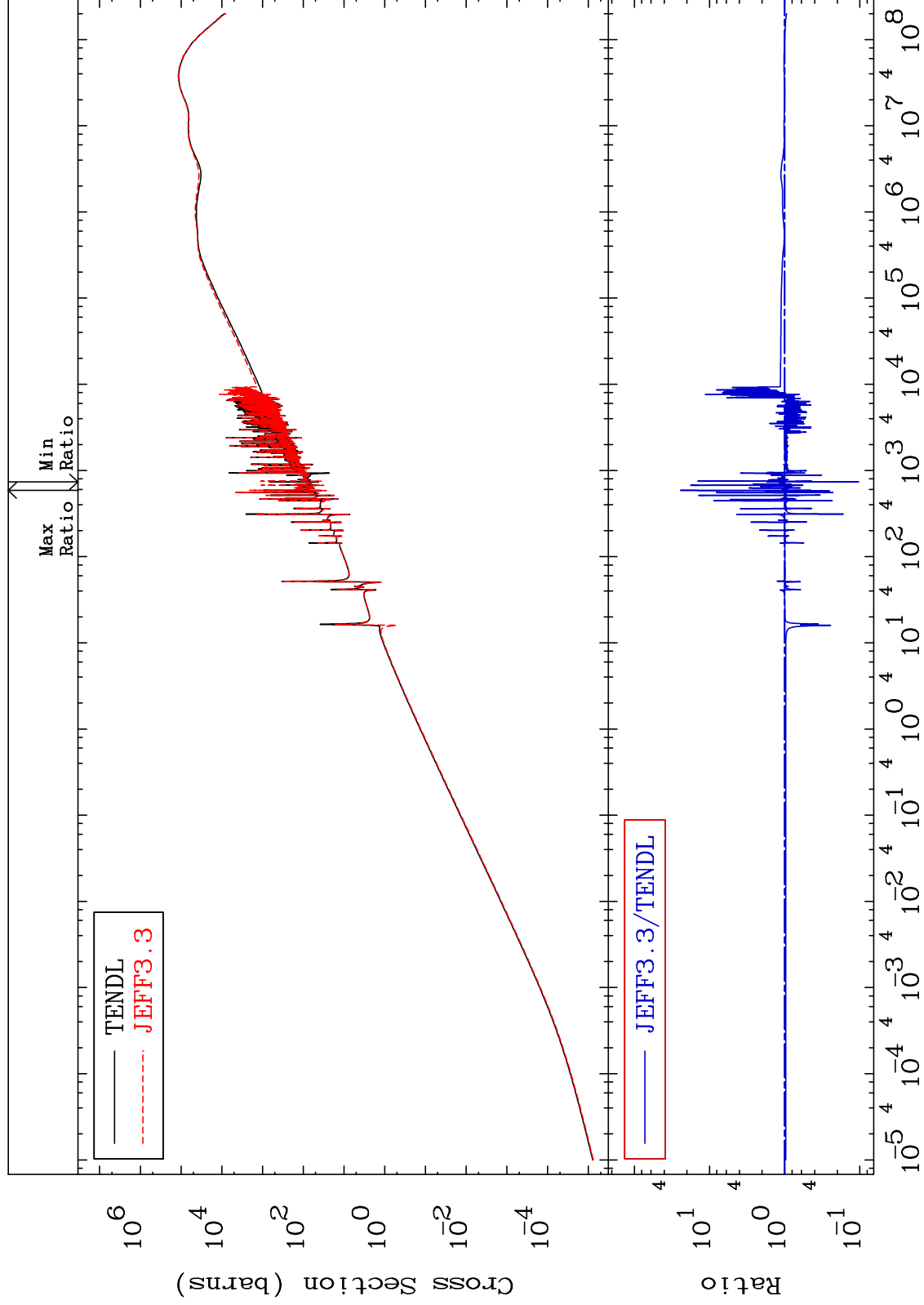
47-Ag-107
-97.27 To 1856. %



MAT 4725

Kerma elastic
Cross Section

47-Ag-107
-89.57 To 2338. %



70

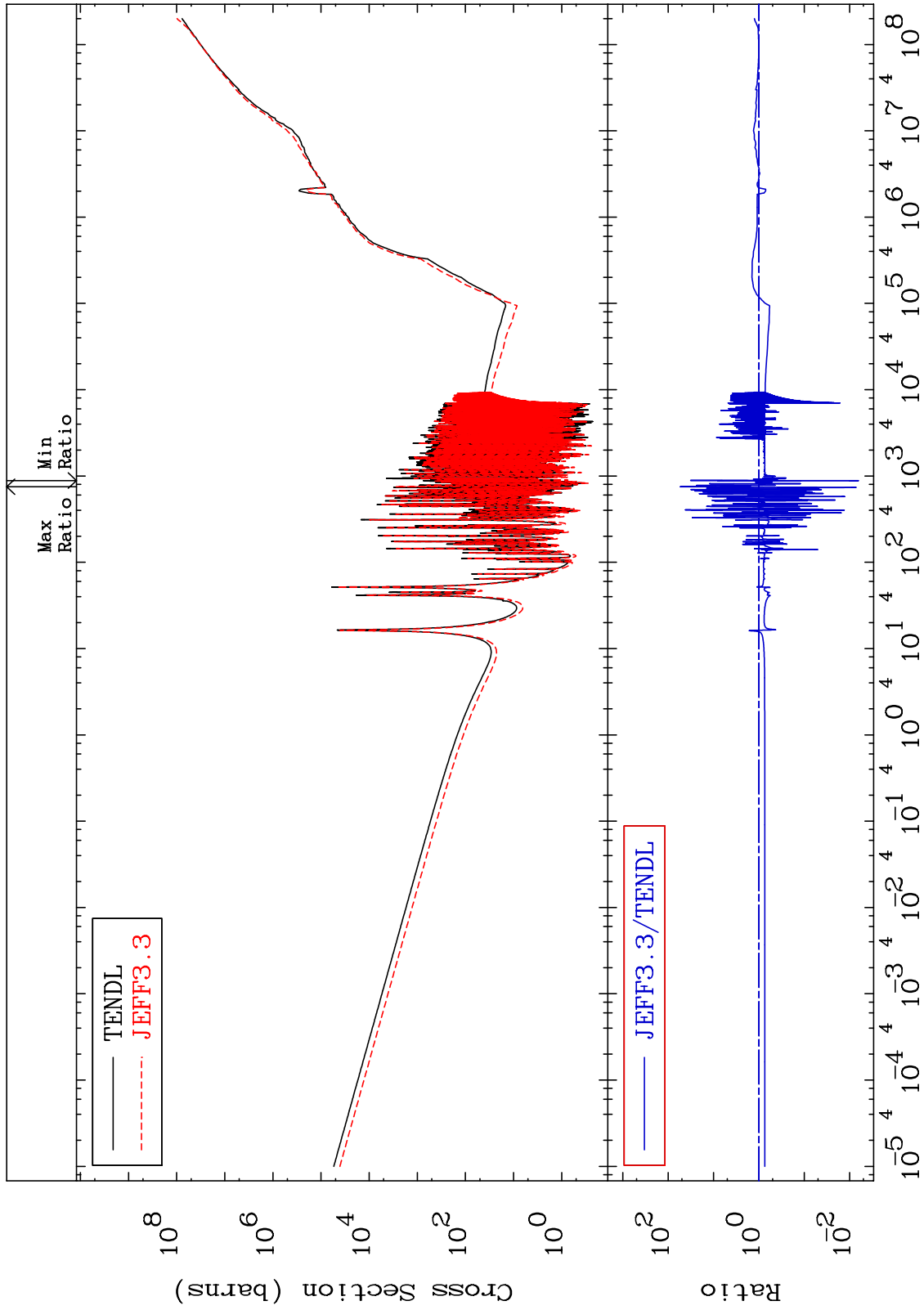
Incident Energy (eV)

47-Ag-107

MAT 4725

Kerma non-elastic (all but mt2)
Cross Section

47-Ag-107
-99.36 To 5410. %



71

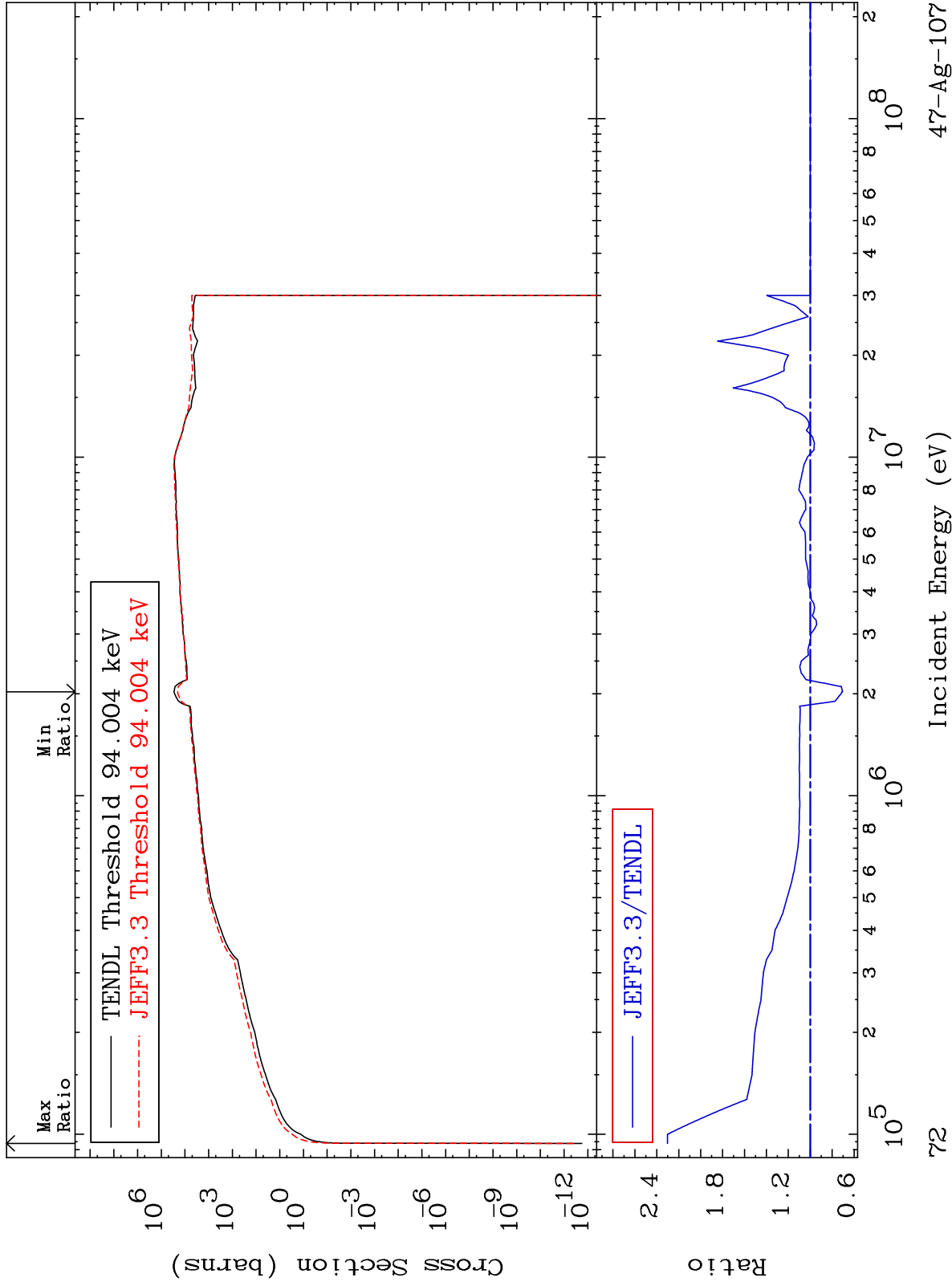
Incident Energy (eV)

47-Ag-107

MAT 4725

Kerma inelastic (mt51-91)
Cross Section

47-Ag-107
-29.57 To 130.2 %



47-Ag-107

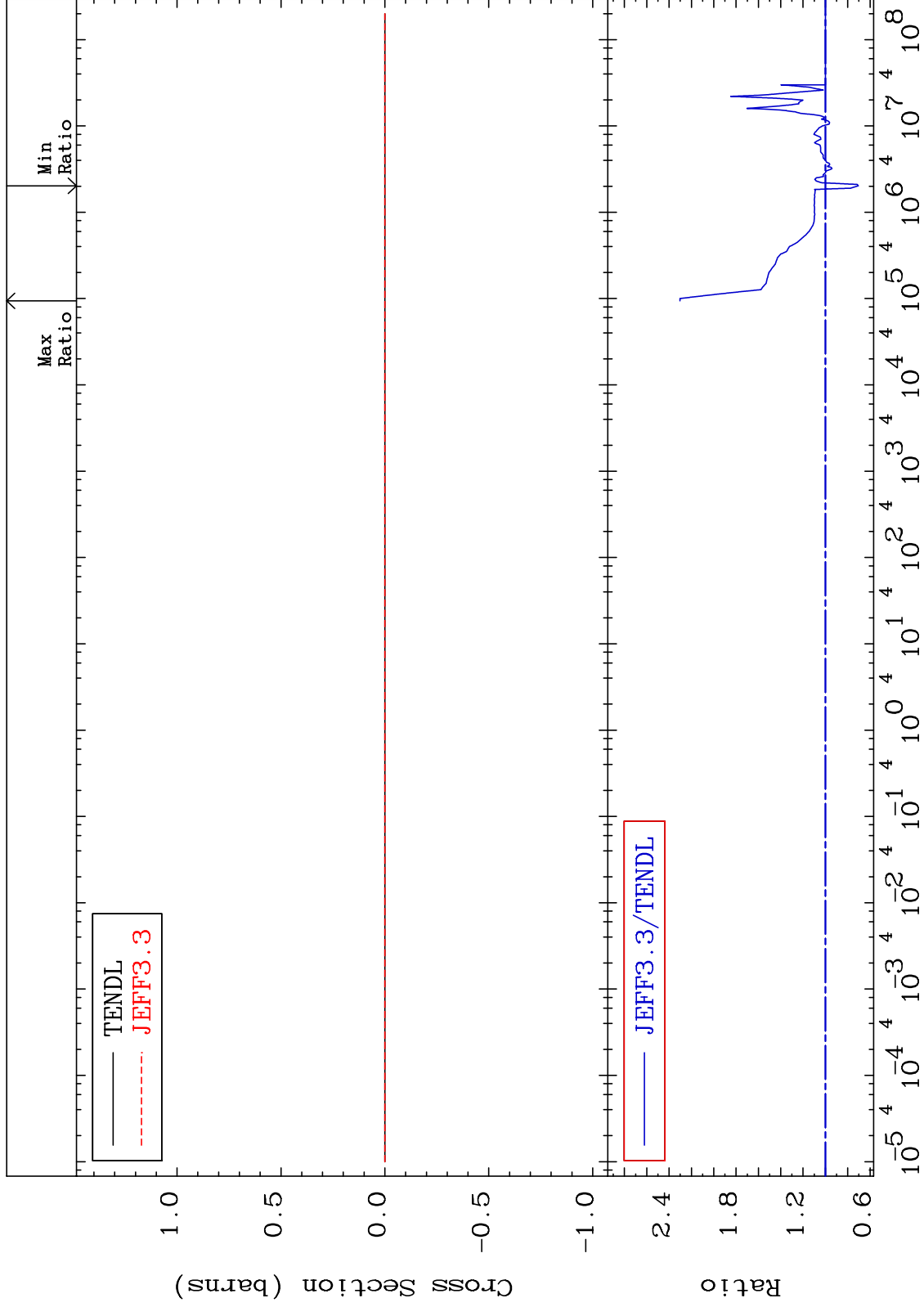
Incident Energy (eV)

72

MAT 4725

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

47-Ag-107
-29.57 To 130.2 %



73

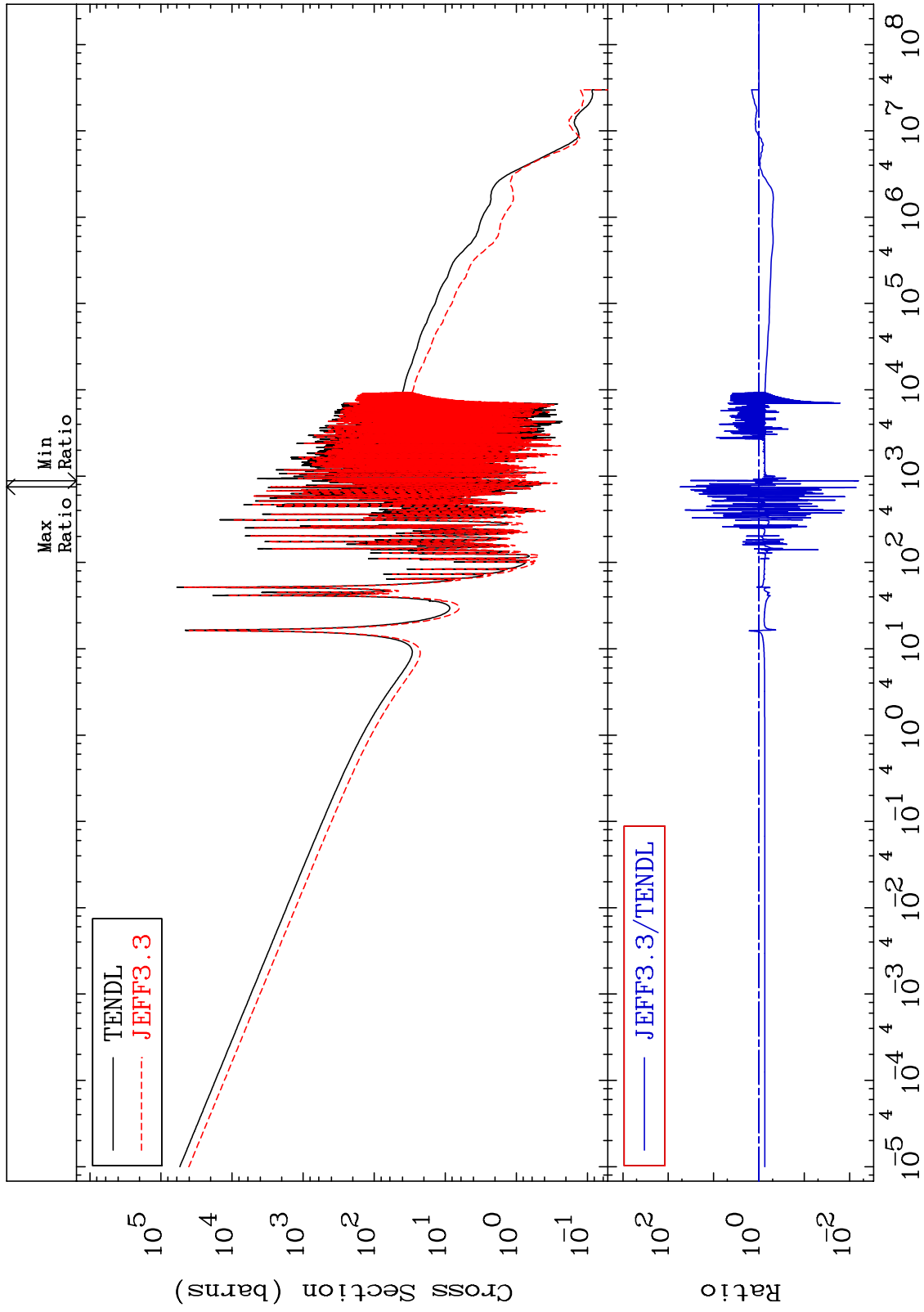
Incident Energy (eV)

47-Ag-107

MAT 4725

Kerma capture (mt102)
Cross Section

47-Ag-107
-99.36 To 5410. %



74

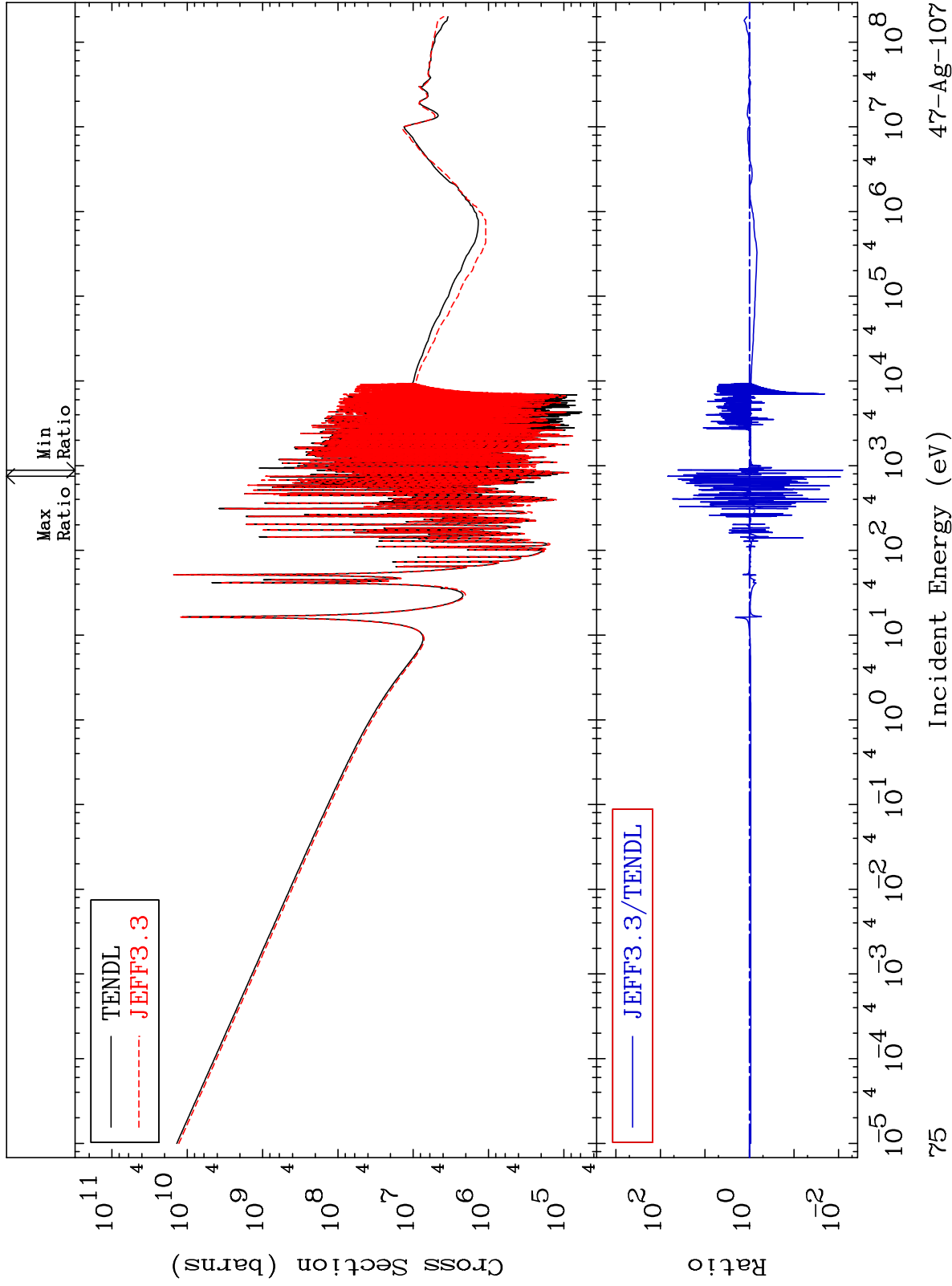
Incident Energy (eV)

47-Ag-107

MAT 4725

Total photon (eV-barns)
Cross Section

47-Ag-107
-99.19 To 6829. %



75

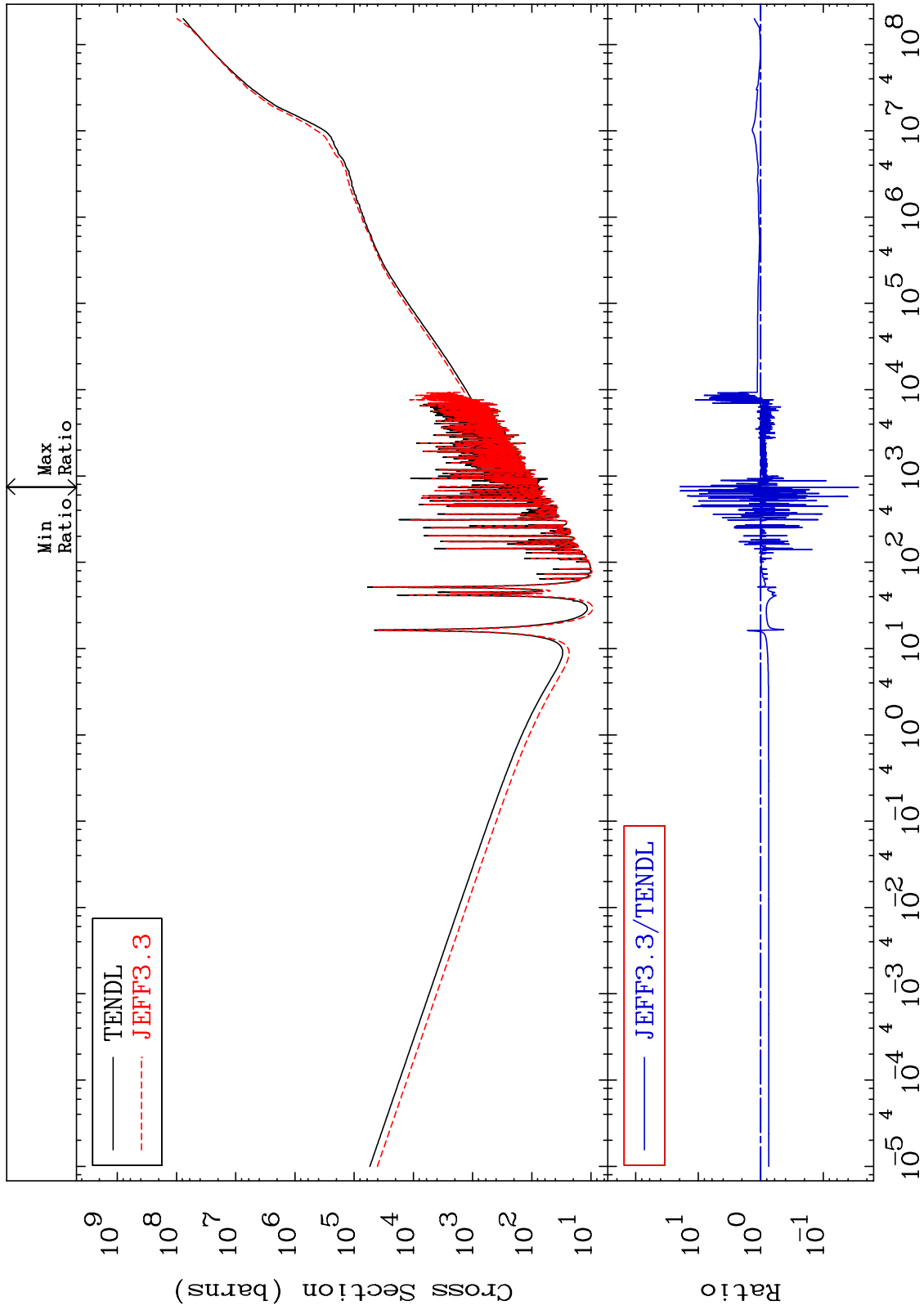
Incident Energy (eV)

47-Ag-107

MAT 4725

Total kinematic kerma (high limit)
Cross Section

47-Ag-107
-97.27 To 1856. %



76

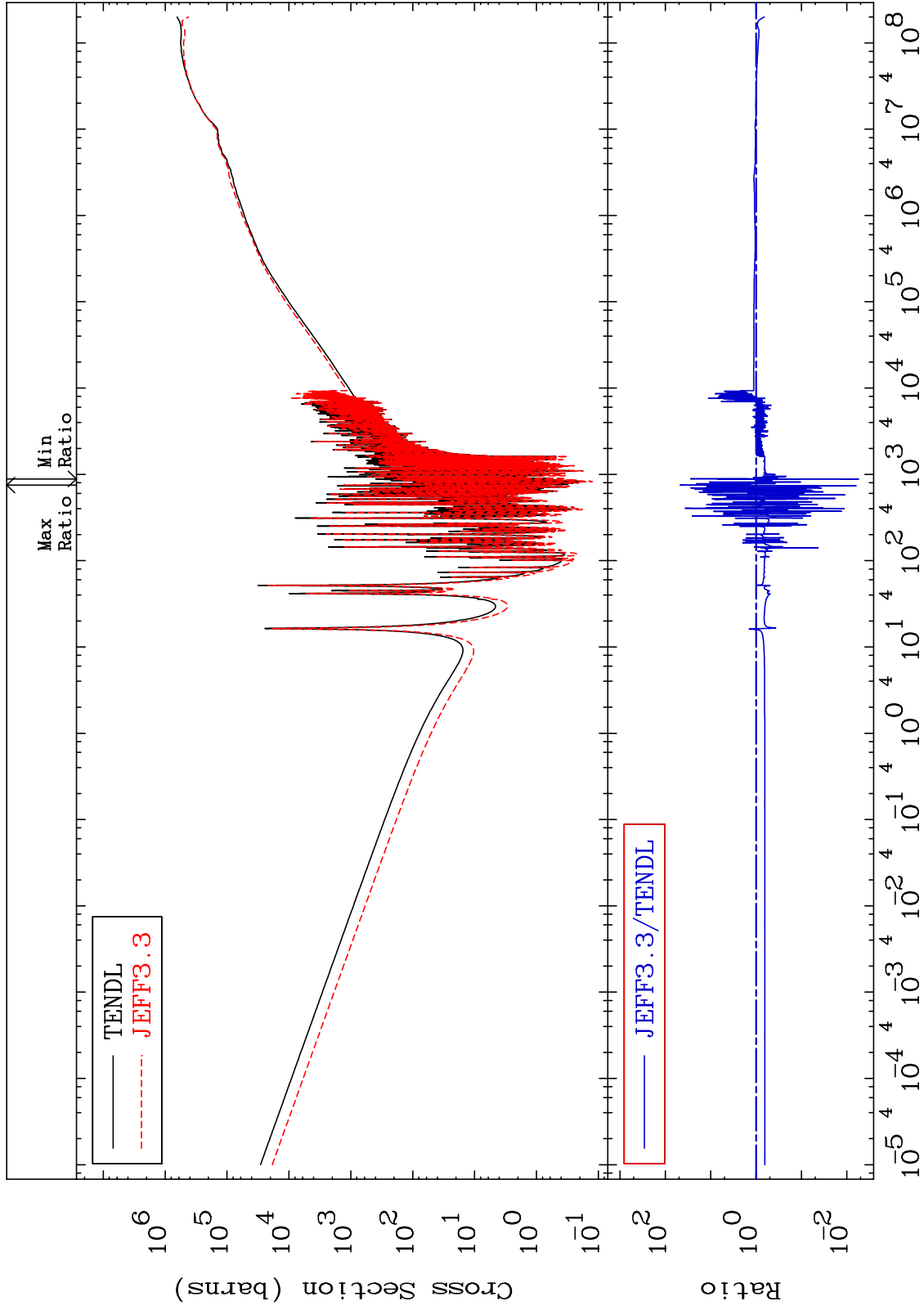
Incident Energy (eV)

47-Ag-107

MAT 4725

Dpa total (eV-barns)
Cross Section

47-Ag-107
-99.44 To 4664. %



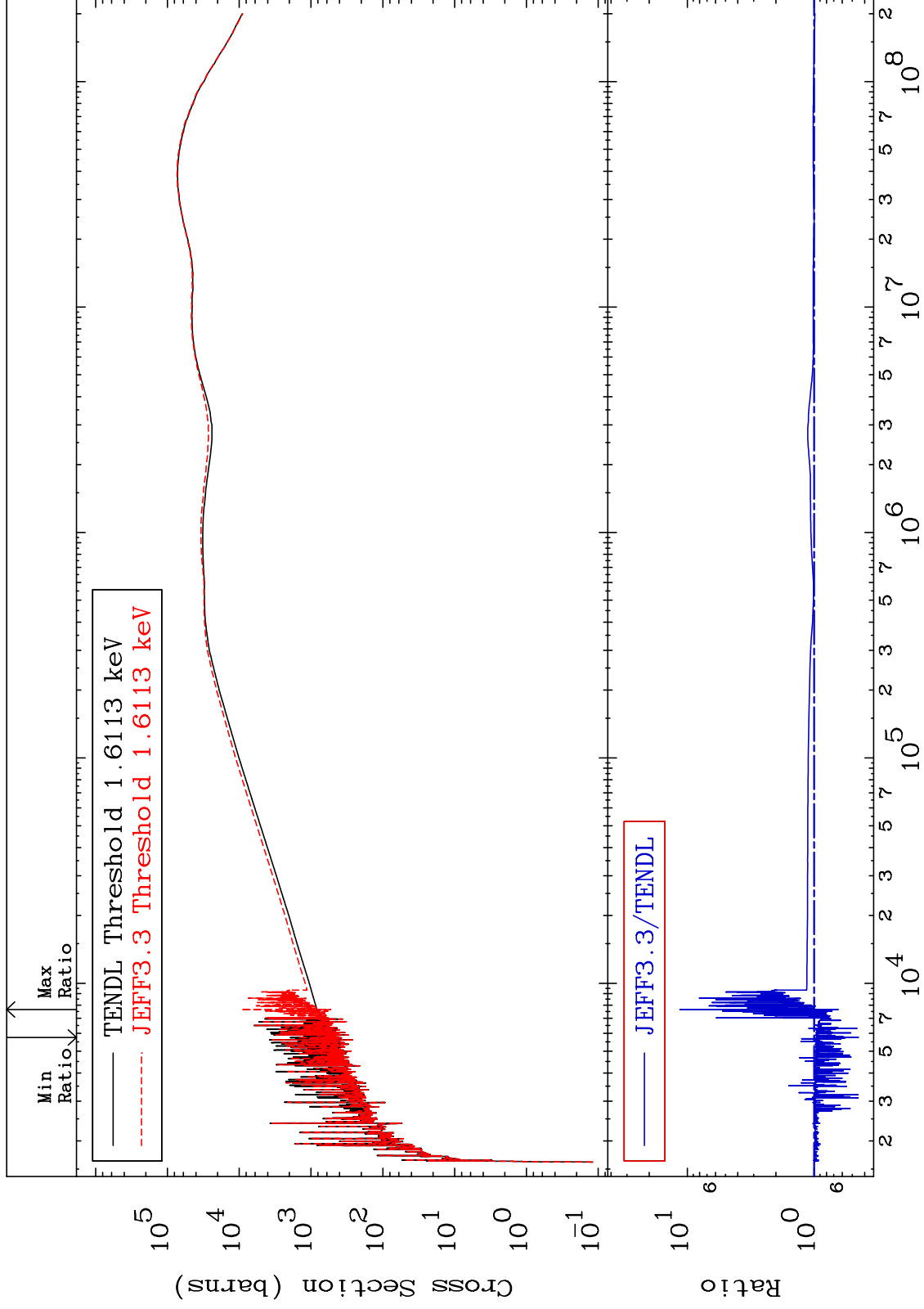
77

47-Ag-107

MAT 4725

Dpa elastic (mt2)
Cross Section

47-Ag-107
-55.21 To 1043. %



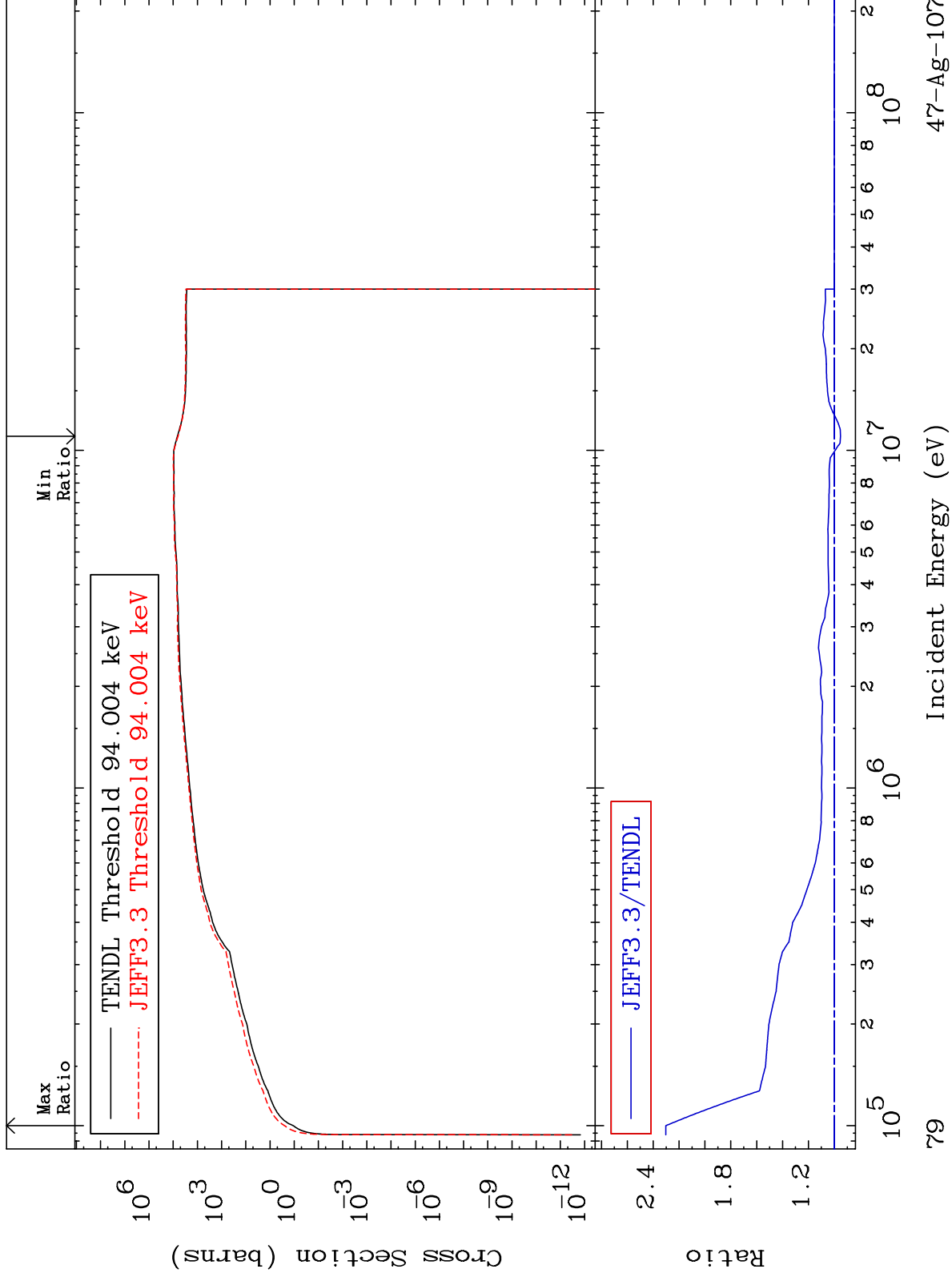
78

47-Ag-107

MAT 4725

Dpa inelastic (mt51-91)
Cross Section

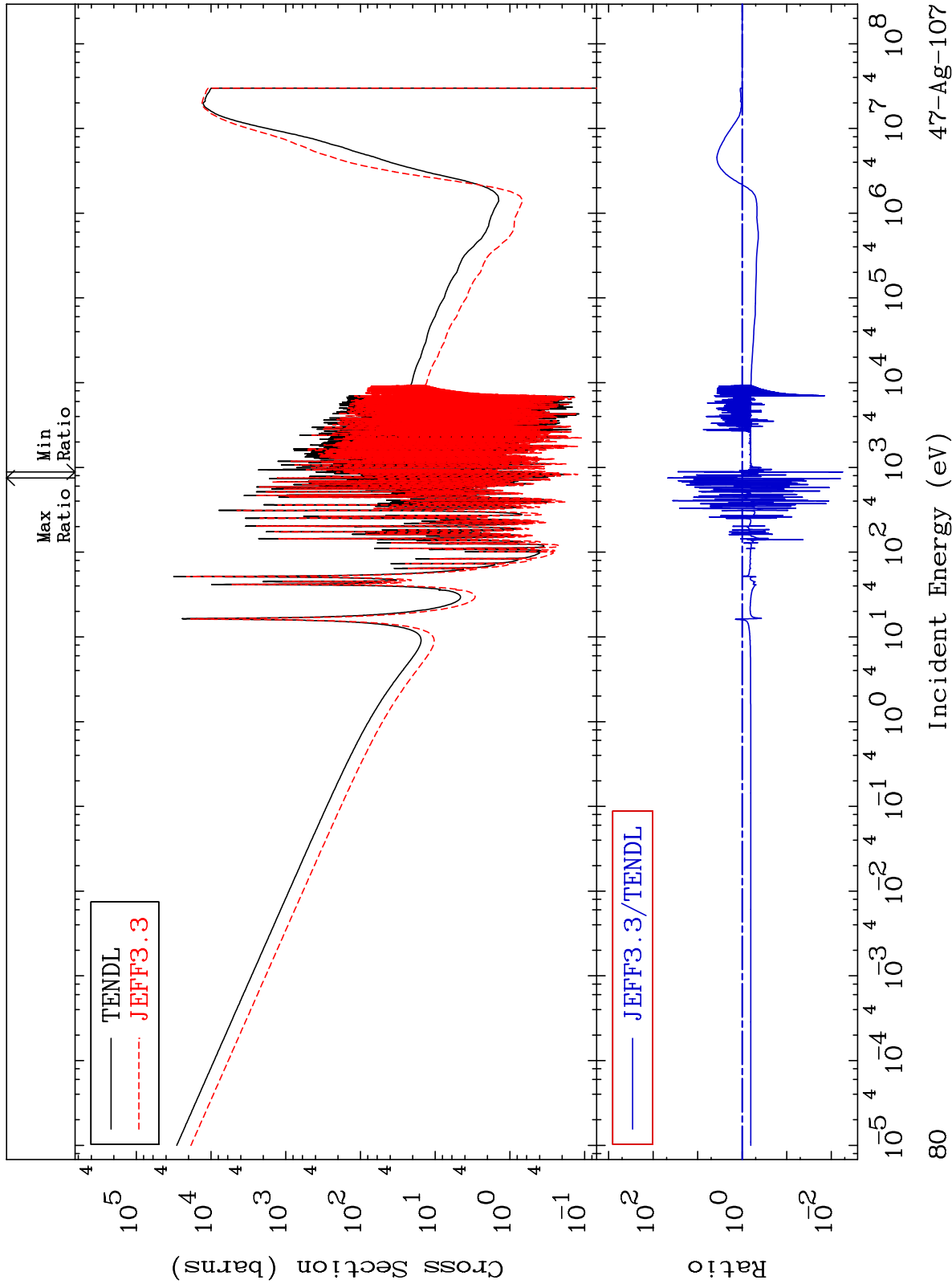
47-Ag-107
-4.817 To 130.2 %



MAT 4725

Dpa disappearance (mt102 -120)
Cross Section

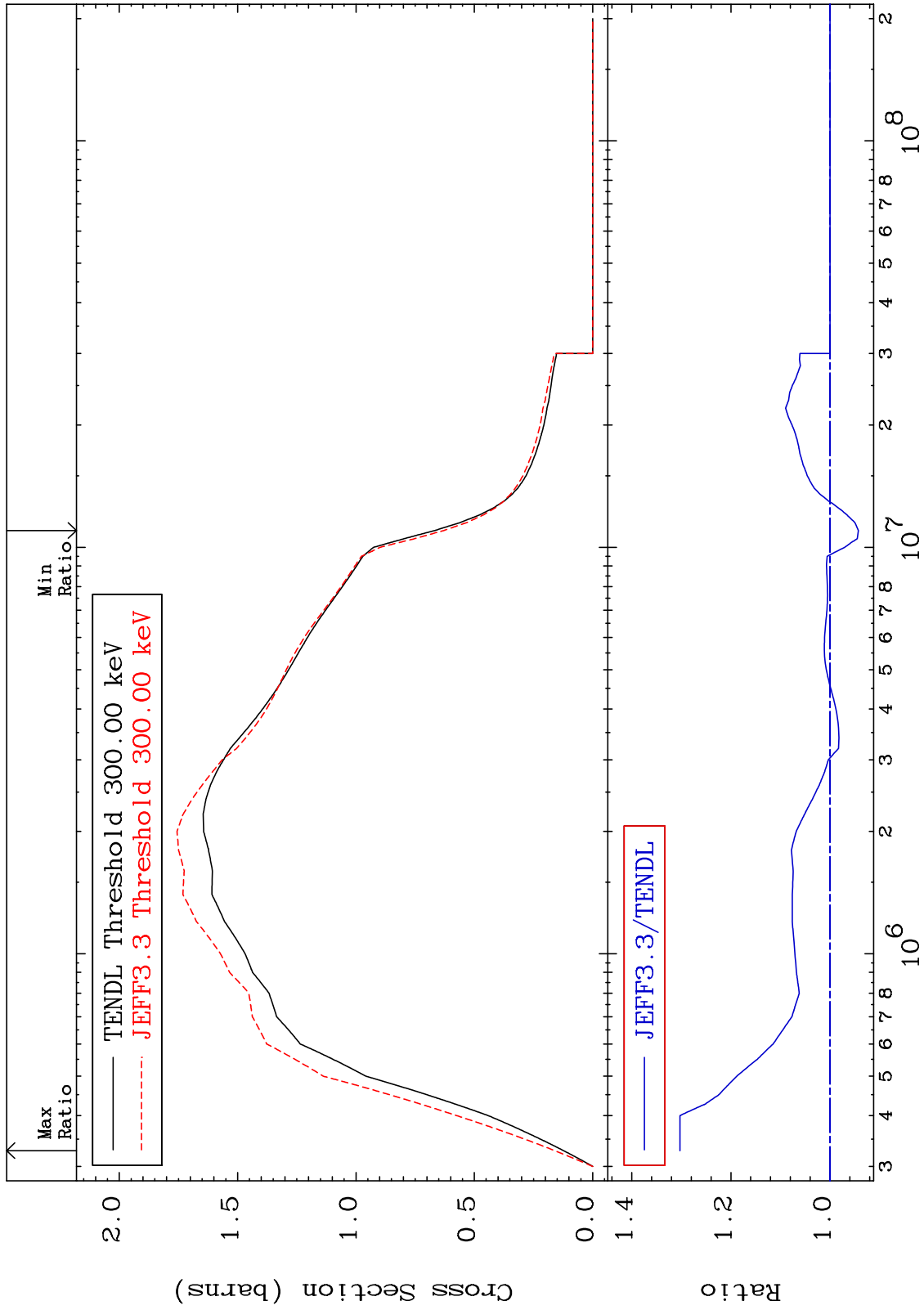
47-Ag-107
-99.44 To 4664. %



MAT 4725

Inelastic: 47-Ag-107
Radionuclide Production Cross Section -5.719 To 30.26 %

47-Ag-107

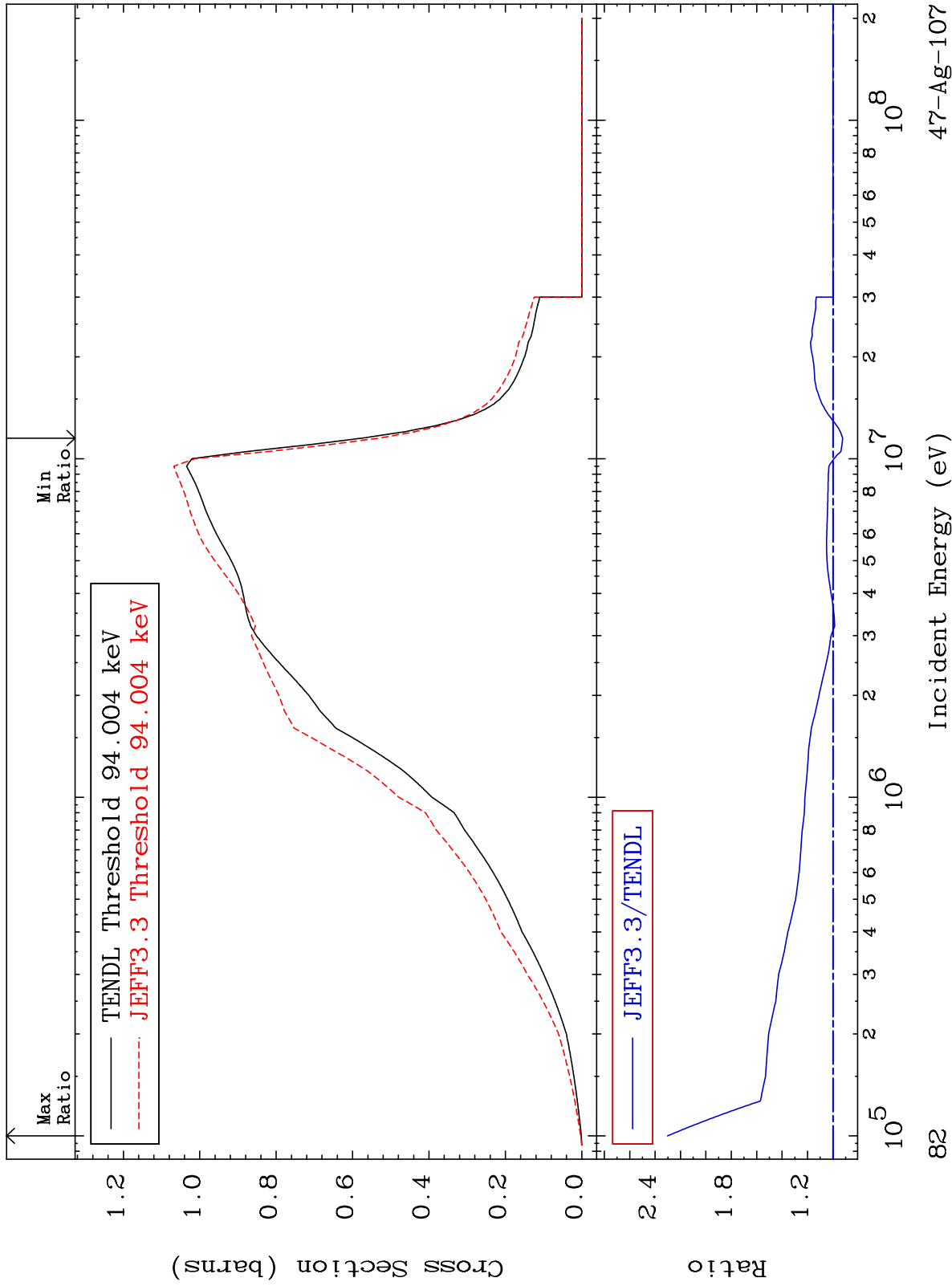


MAT 4725

Inelastic:47-Ag-107m1

47-Ag-107

Radionuclide Production Cross Section -7.688 To 130.2 %

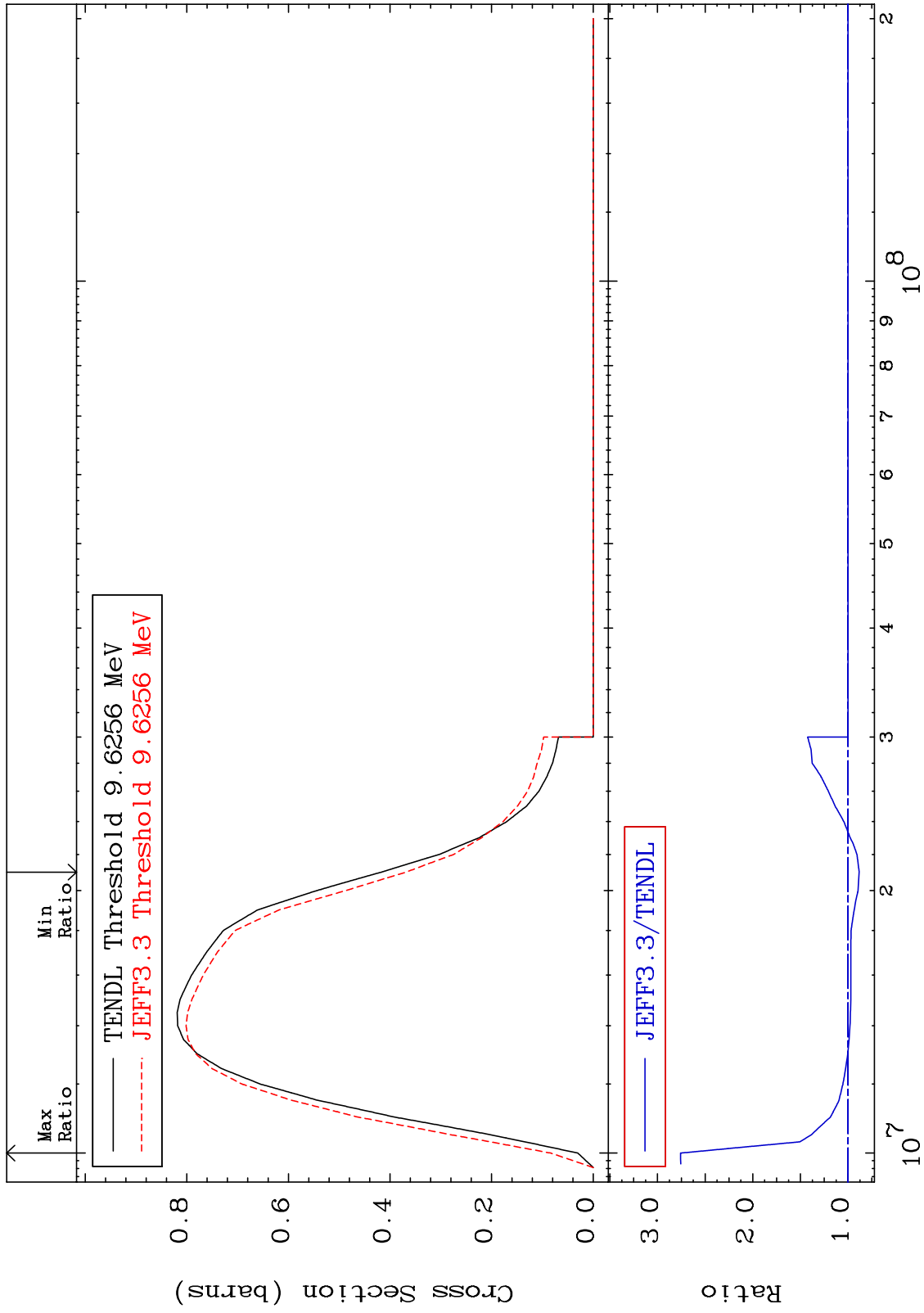


MAT 4725

(n,2n):47-Ag-106g

47-Ag-107

Radionuclide Production Cross Section -11.66 To 175.8 %



47-Ag-107

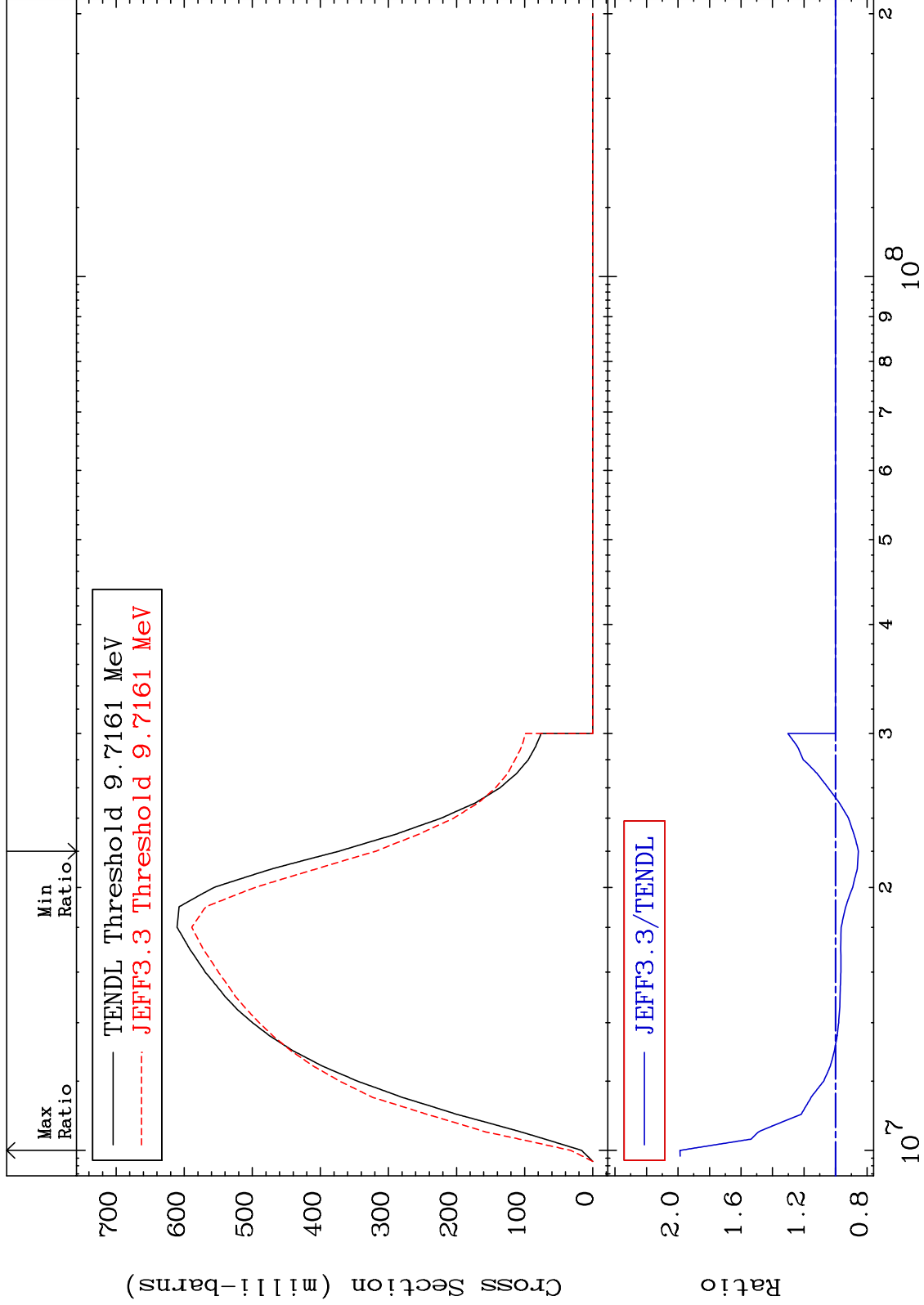
83

MAT 4725

(n,2n) : 47-Ag-106m1

47-Ag-107

Radionuclide Production Cross Section -14.52 To 98.72 %



84

Incident Energy (eV)

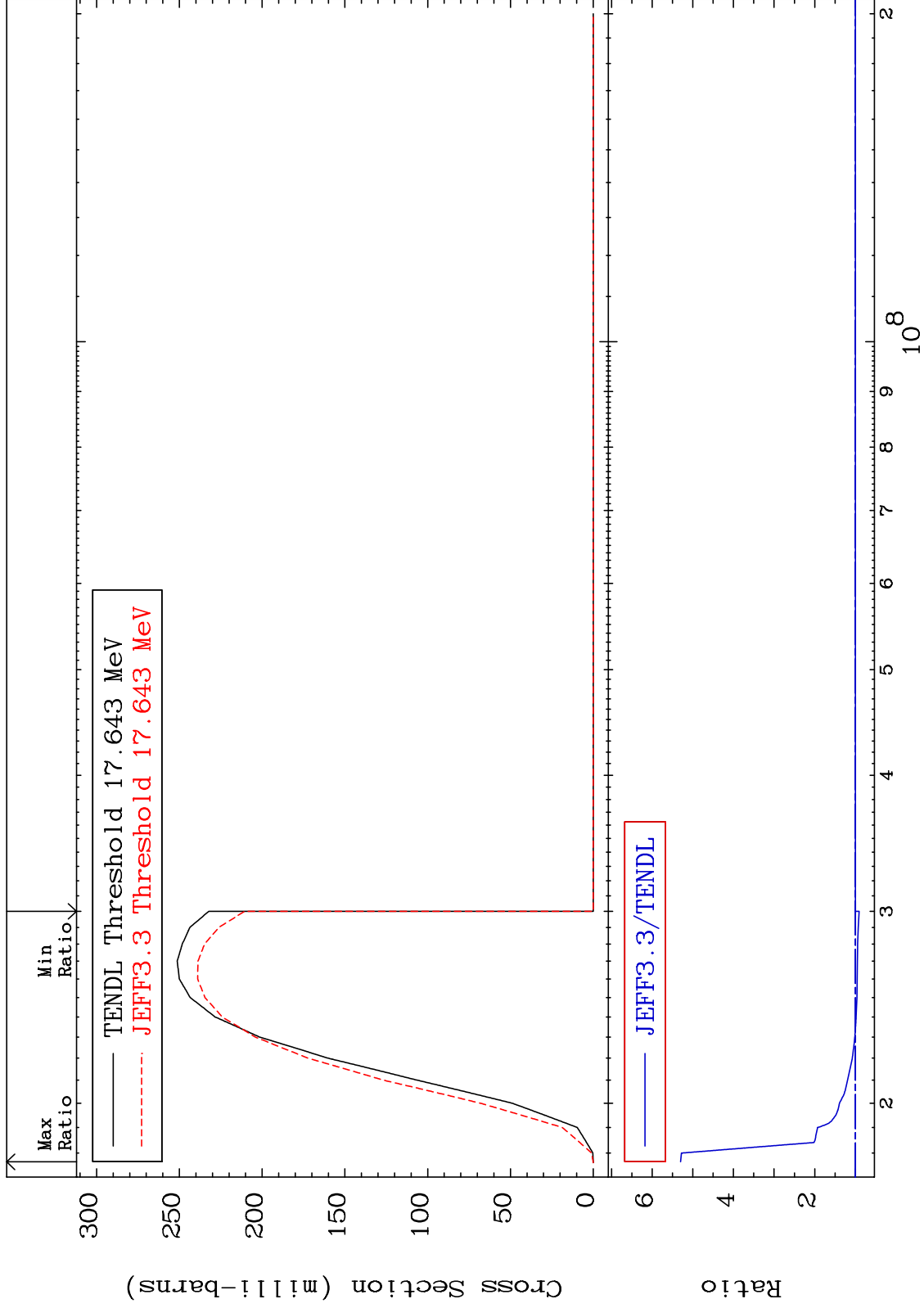
47-Ag-107

MAT 4725

(n,3n) : 47-Ag-105g

47-Ag-107

Radionuclide Production Cross Section -9.319 To 429.9 %



85

Incident Energy (eV)

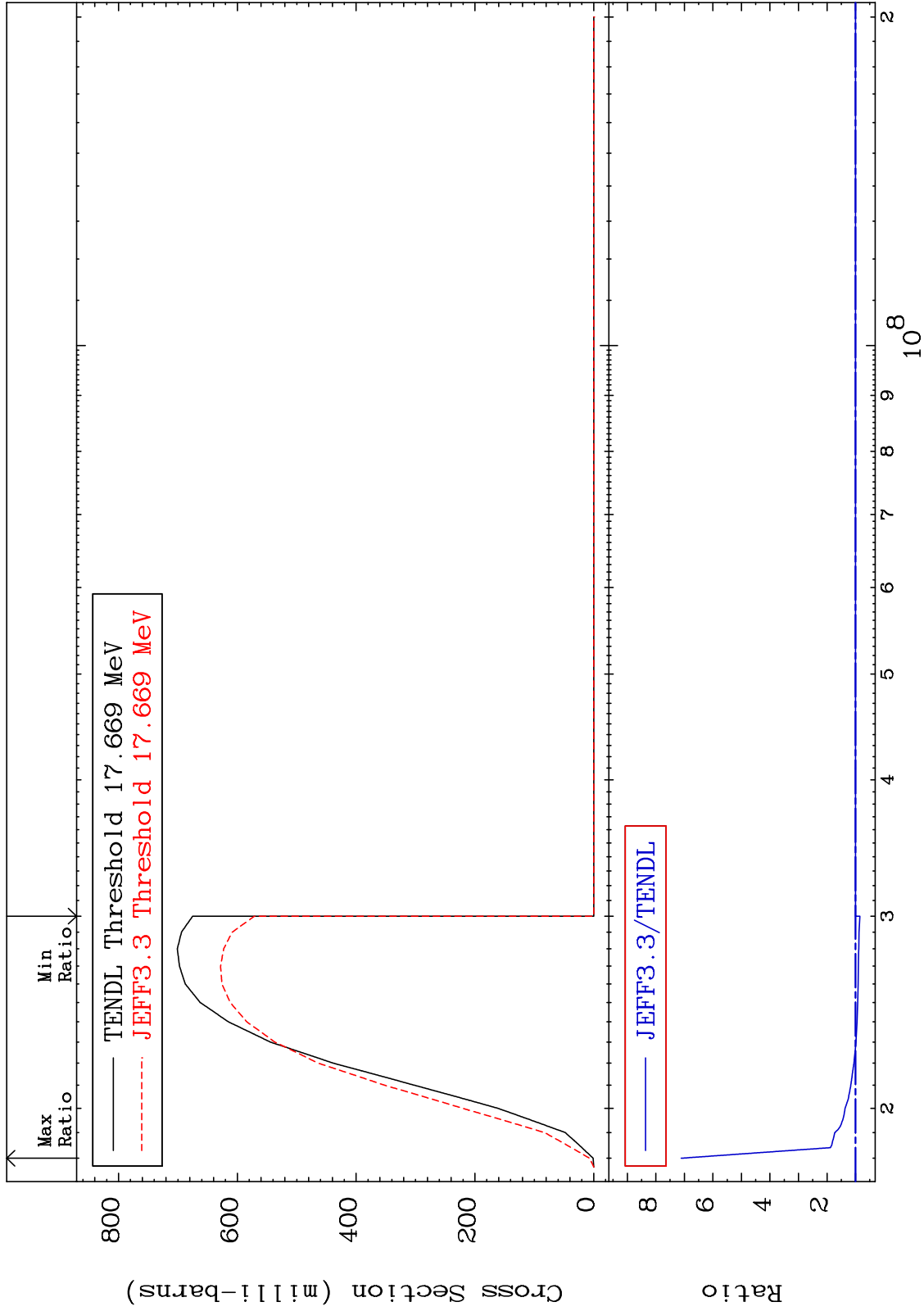
47-Ag-107

MAT 4725

(n, 3n) : 47-Ag-105m1

47-Ag-107

Radionuclide Production Cross Section -15.41 To 611.0 %

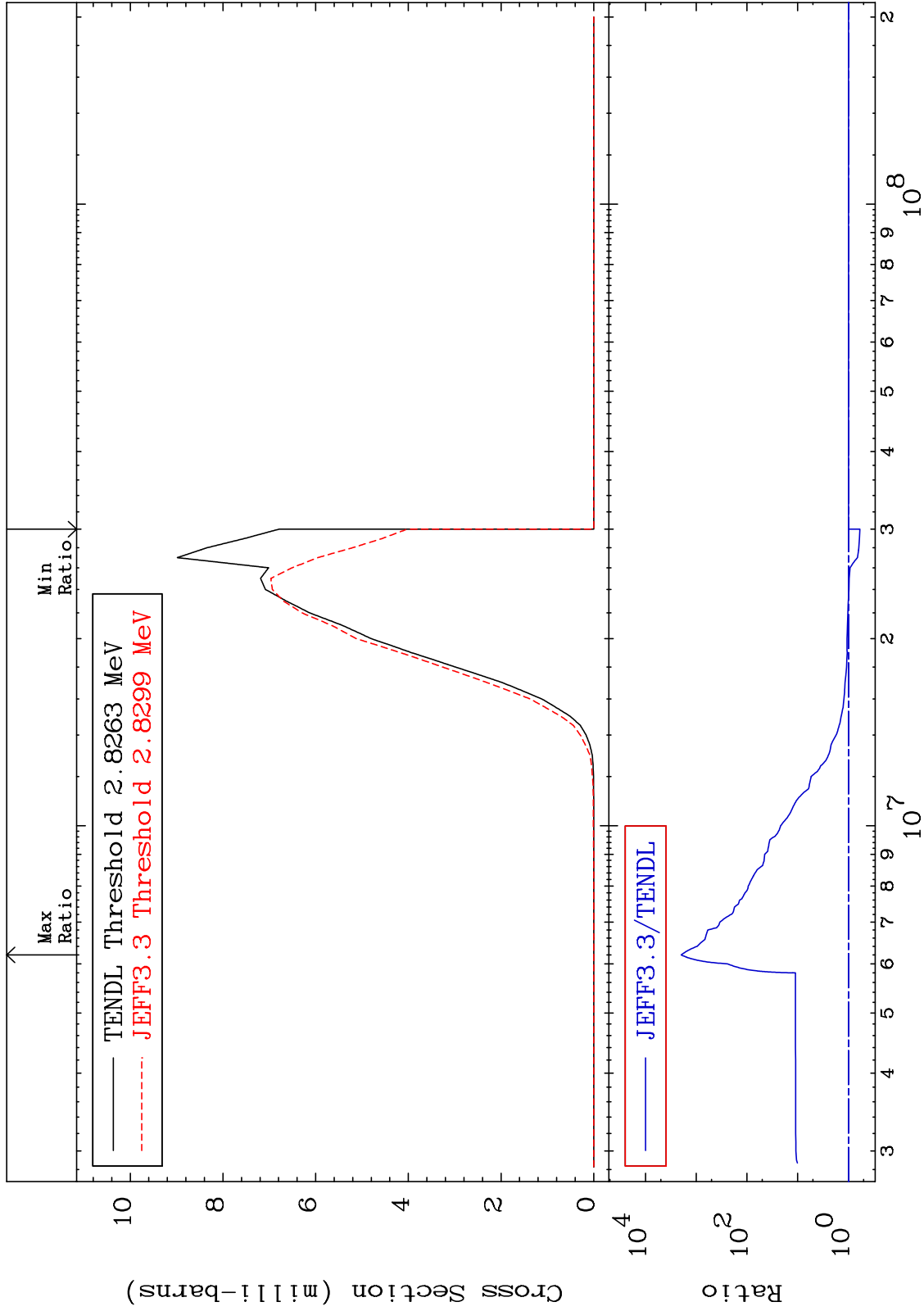


MAT 4725

47-Ag-107

(n, n') α : 45-Rh-103g

Radionuclide Production Cross Section -40.68 To 9999. %



87

Incident Energy (eV)

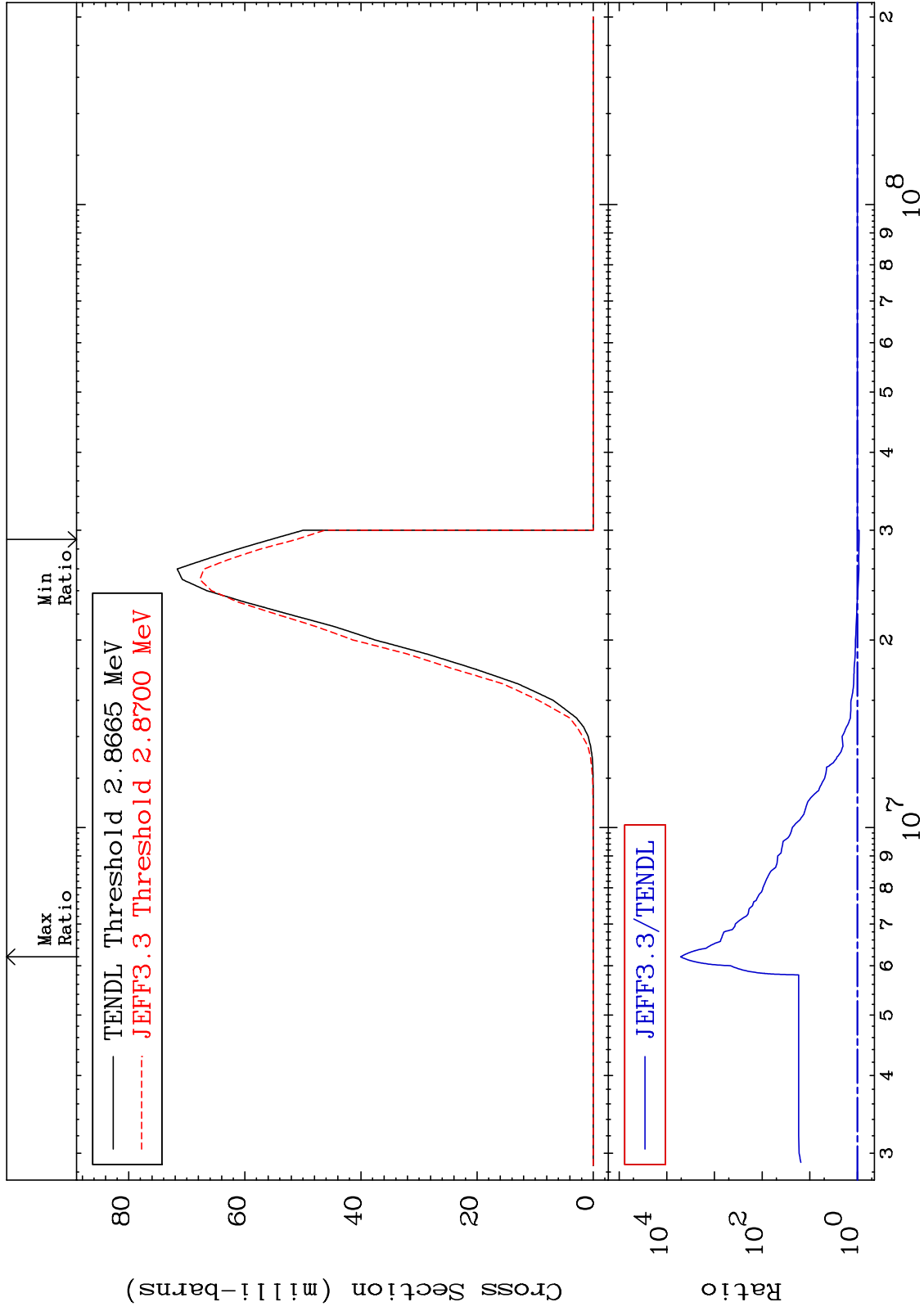
47-Ag-107

MAT 4725

(n, n') α : 45-Rh-103m1

47-Ag-107

Radionuclide Production Cross Section -7.886 To 9999. %

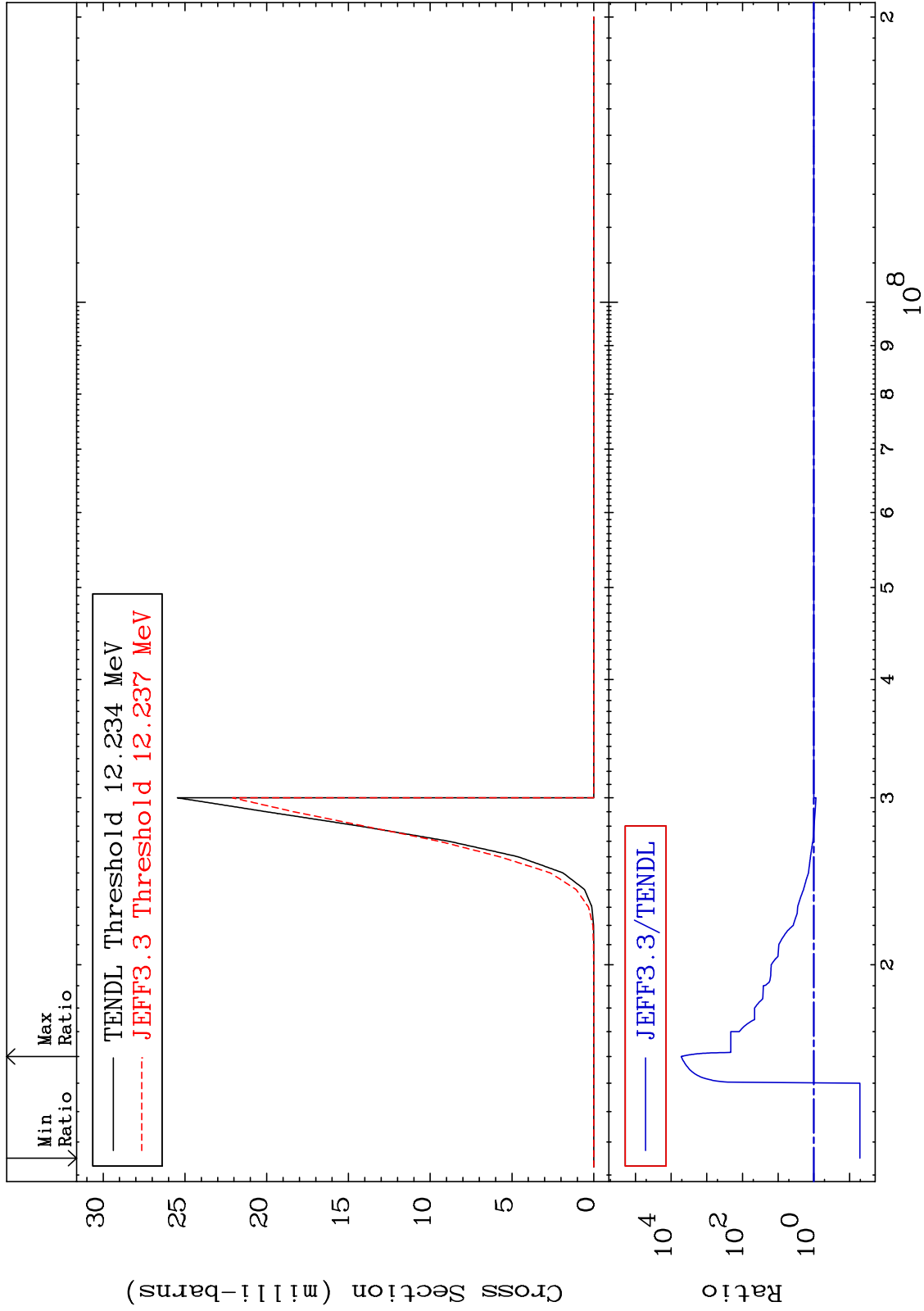


MAT 4725

(n,2n) α :45-Rh-102g

47-Ag-107

Radionuclide Production Cross Section -94.90 To 9999. %

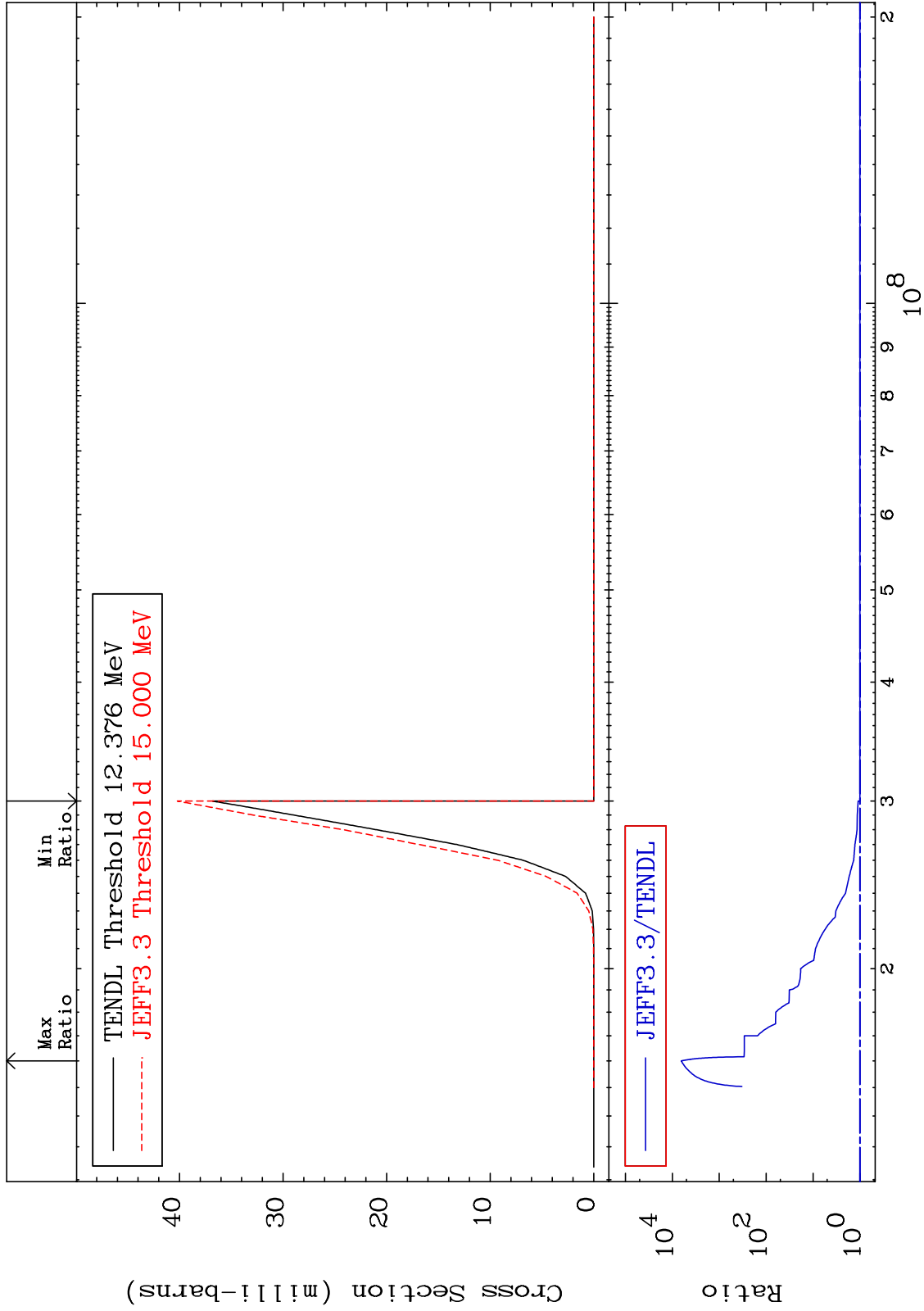


MAT 4725

(n,2n) α : 45-Rh-102m5

47-Ag-107

Radionuclide Production Cross Section 0.000 To 9999. %

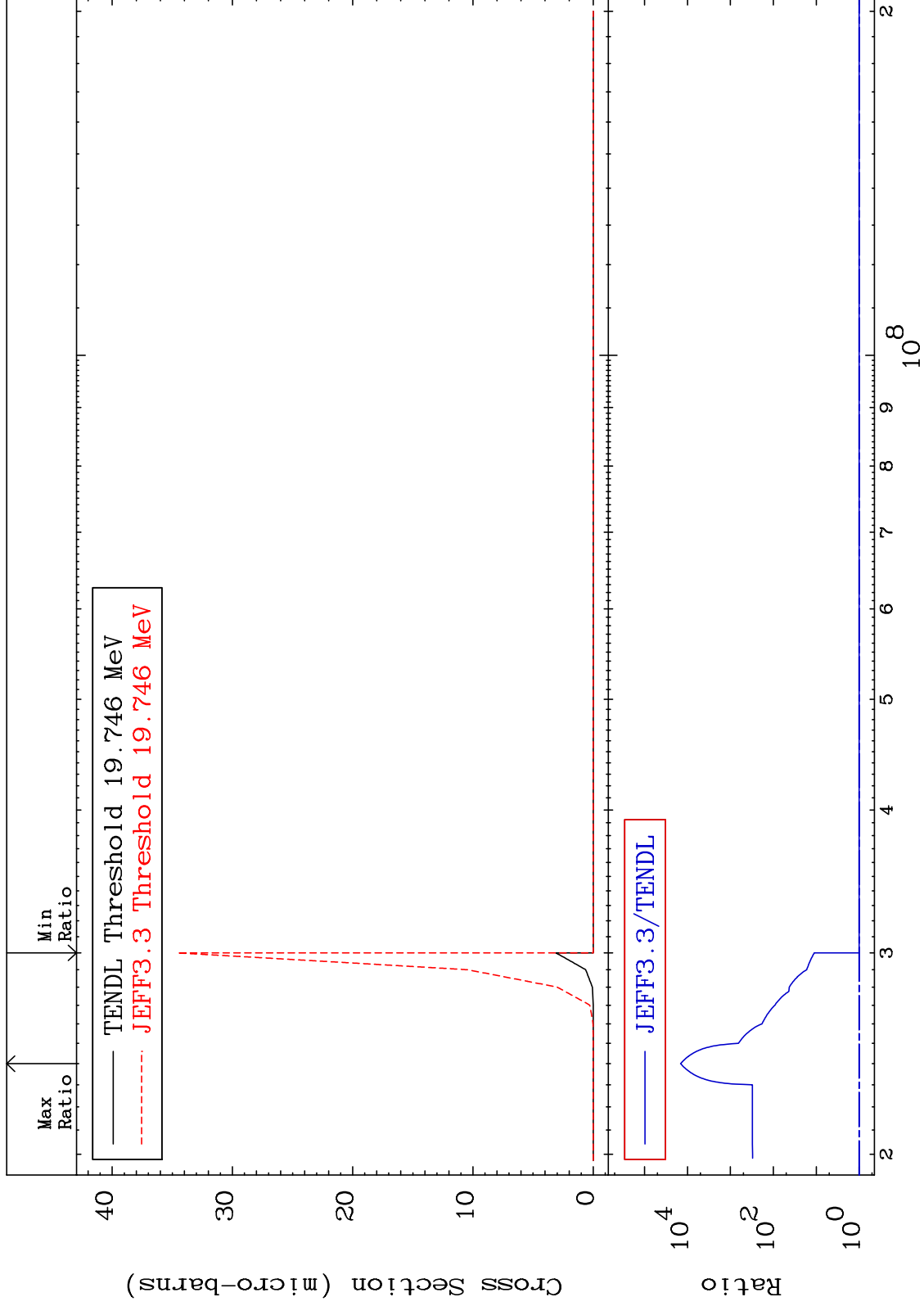


MAT 4725

(n,3n) α :45-Rh-101g

47-Ag-107

Radionuclide Production Cross Section 0.000 To 9999. %

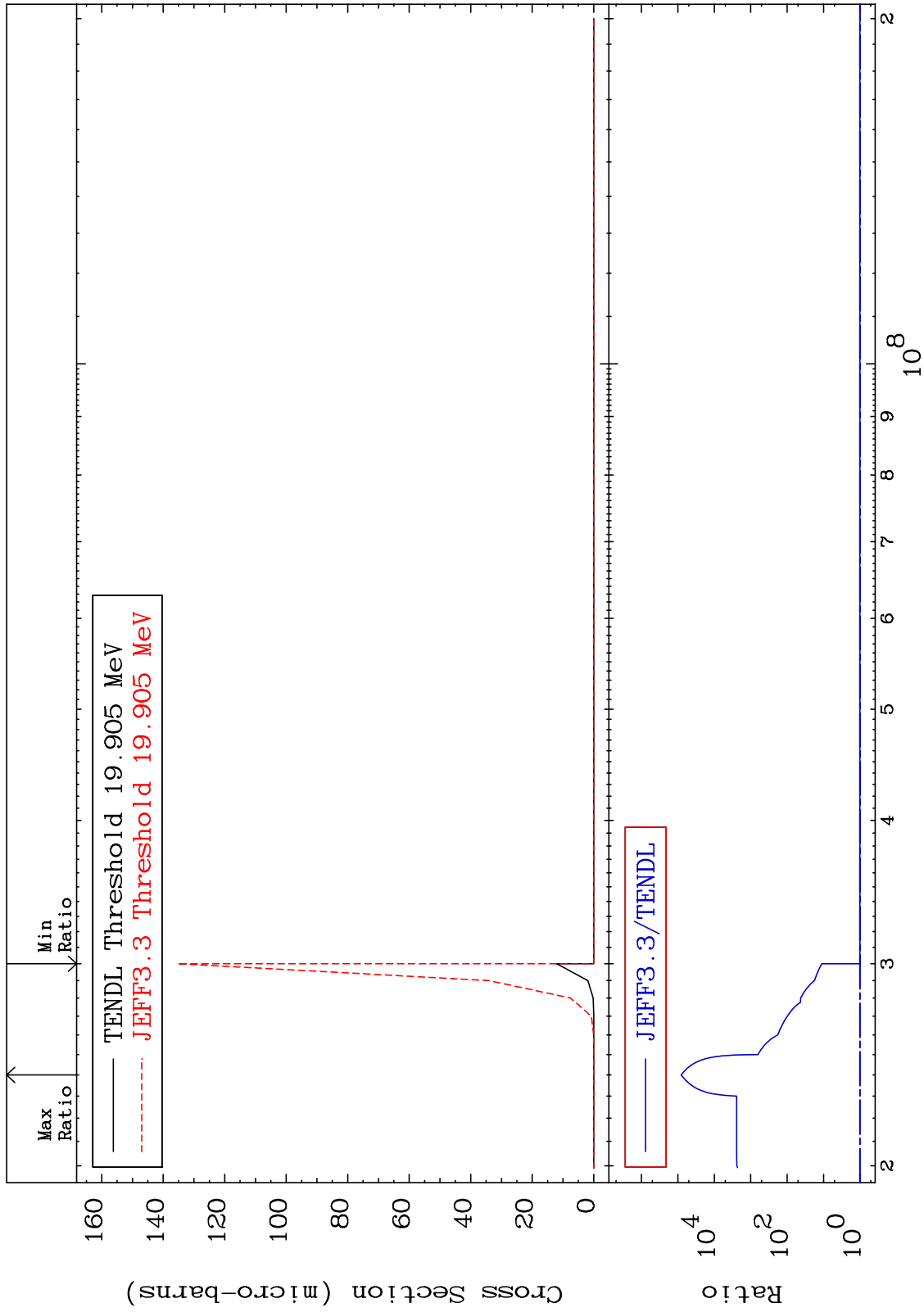


MAT 4725

(n, 3n) α : 45-Rh-101m1

47-Ag-107

Radionuclide Production Cross Section 0.000 To 9999. %

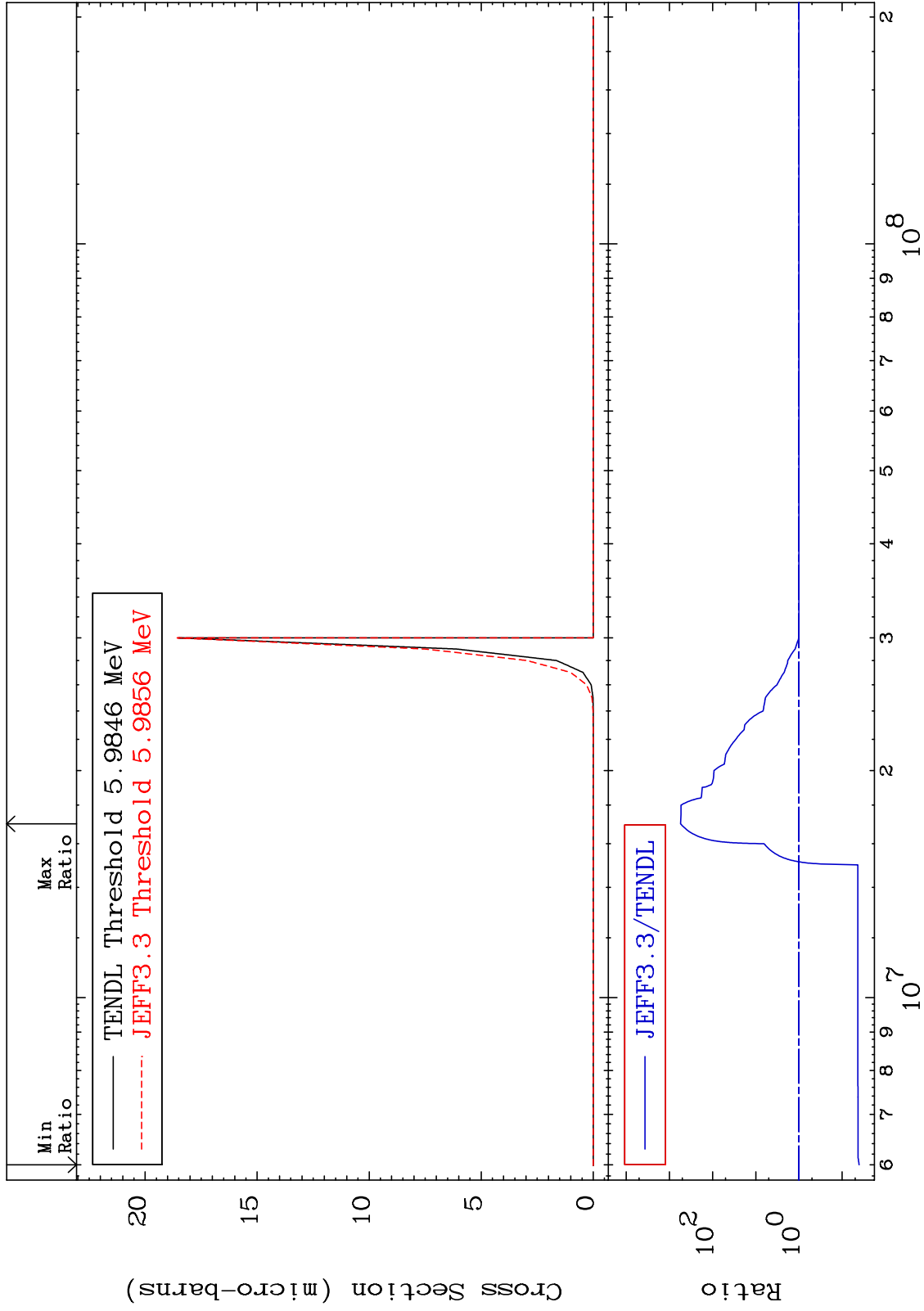


MAT 4725

(n, n') $^{2\alpha}$: 43-Tc-99g

47-Ag-107

Radionuclide Production Cross Section -95.95 To 9999. %



93

Incident Energy (eV)

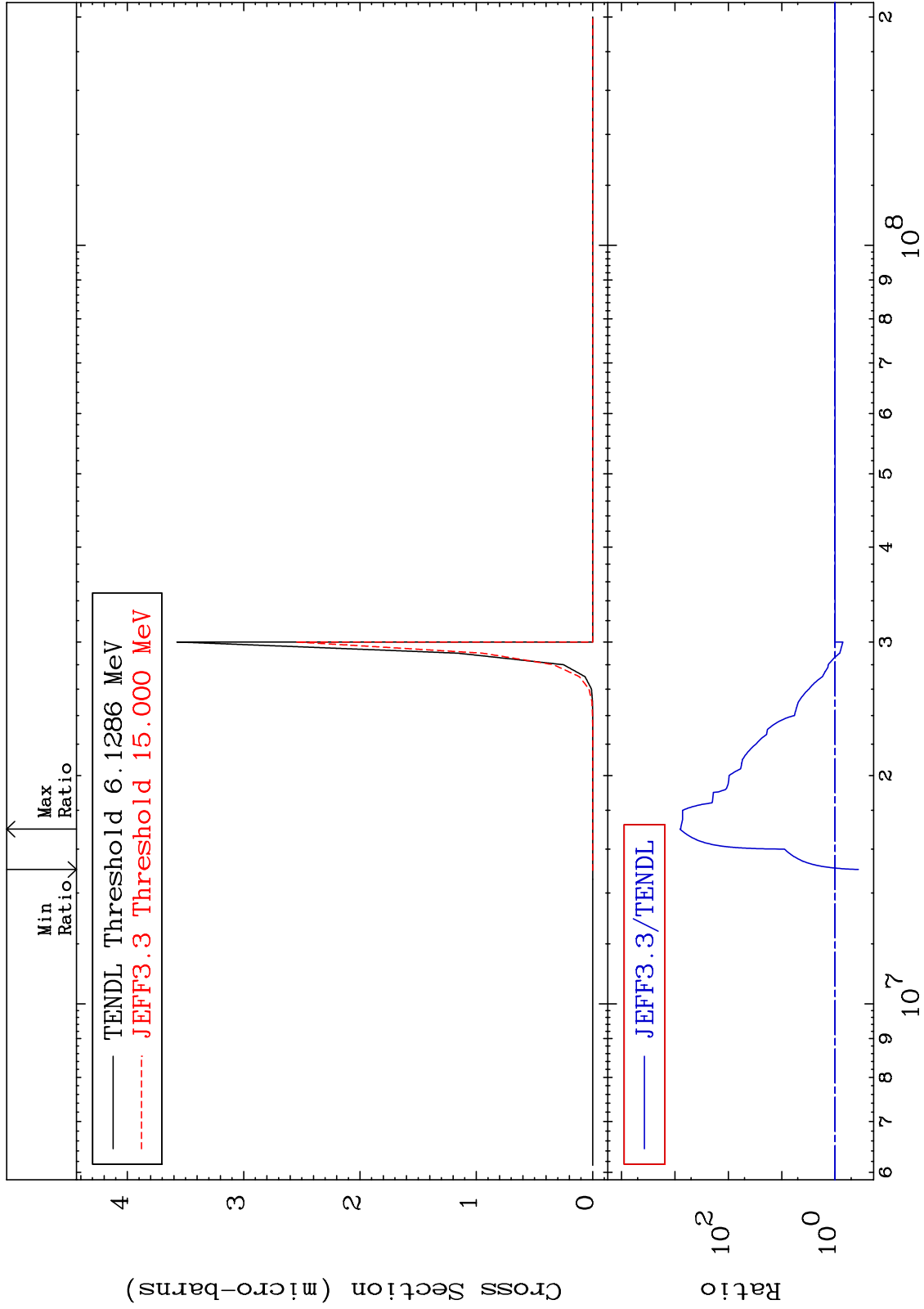
47-Ag-107

MAT 4725

(n, n') 2α: 43-Tc-99m2

47-Ag-107

Radionuclide Production Cross Section -63.39 To 9999. %

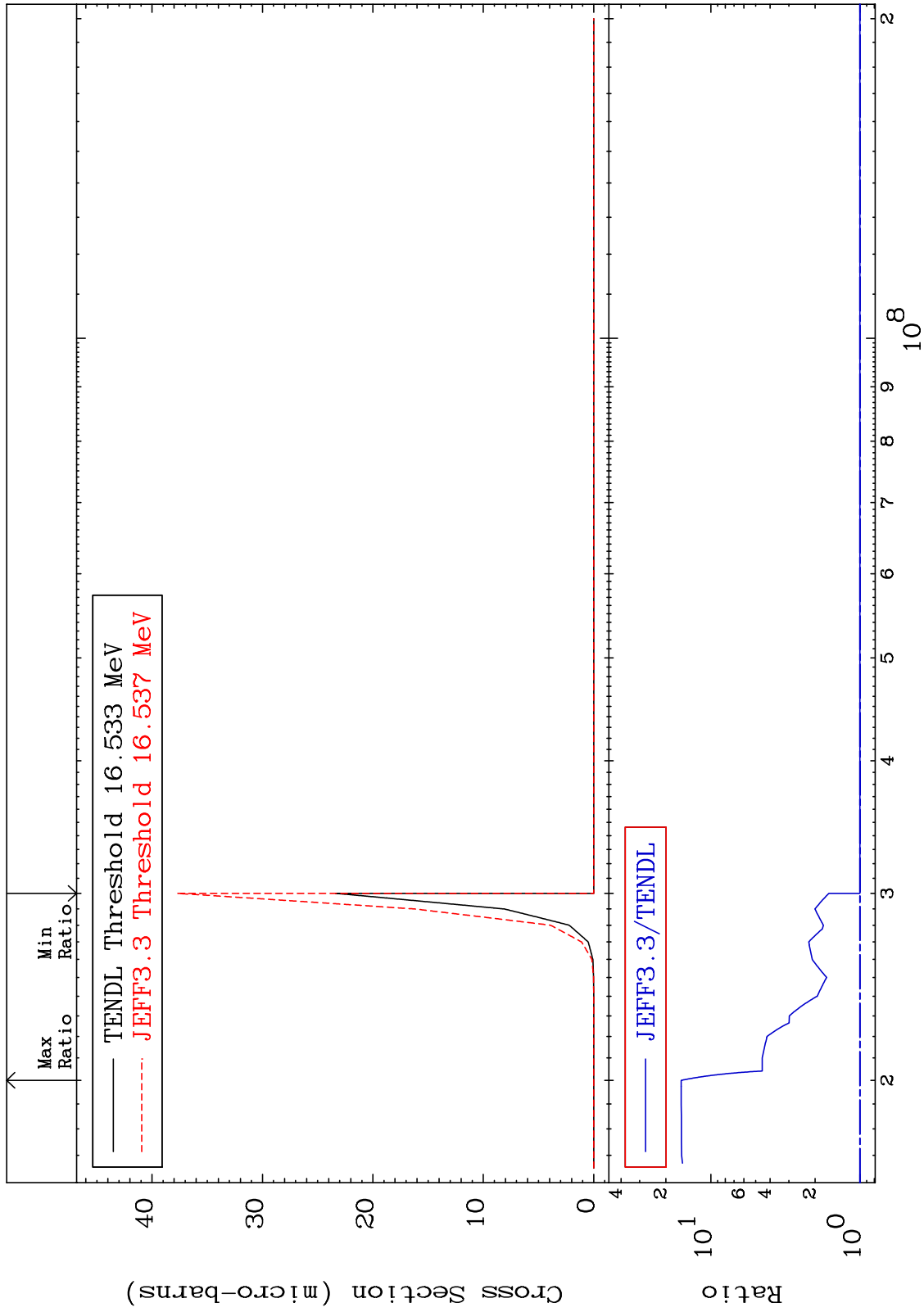


MAT 4725

(n, n') He-3:45-Rh-104g

47-Ag-107

Radionuclide Production Cross Section 0.000 To 1480. %

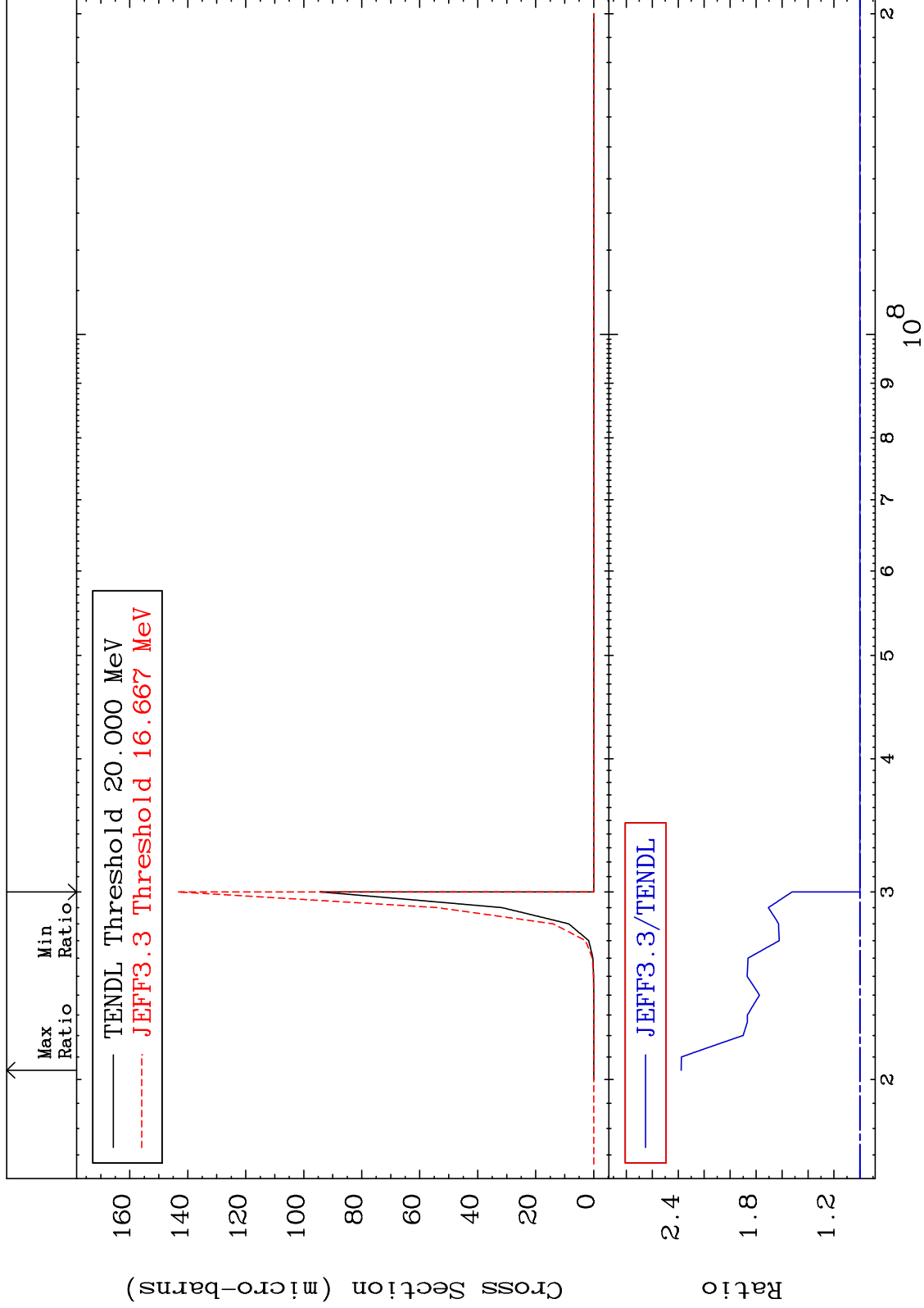


MAT 4725

(n, n') He-3: 45-Rh-104m3

47-Ag-107

Radionuclide Production Cross Section 0.000 To 137.7 %

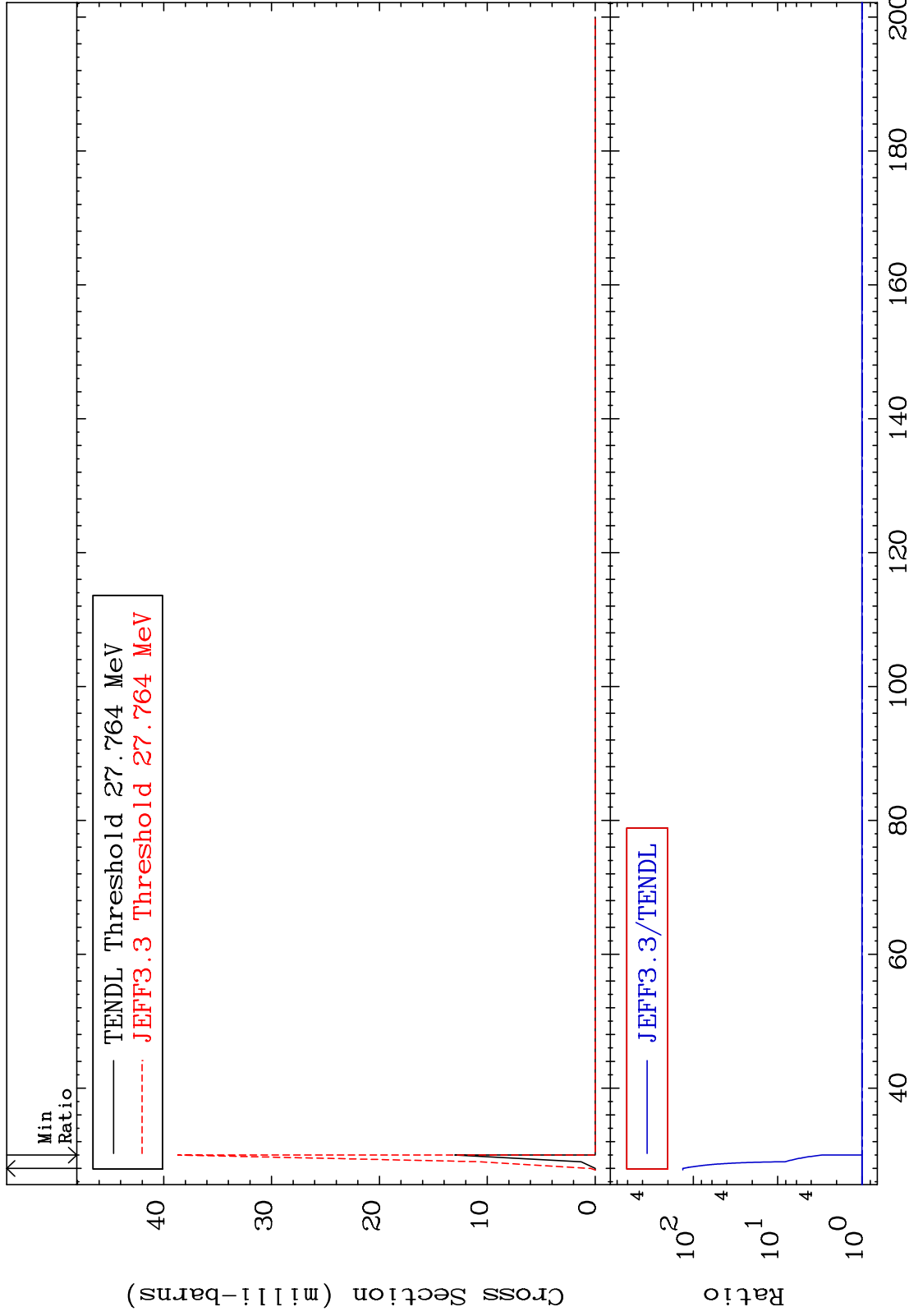


MAT 4725

(n,4n) : 47-Ag-104g

47-Ag-107

Radionuclide Production Cross Section 0.000 To 9999. %

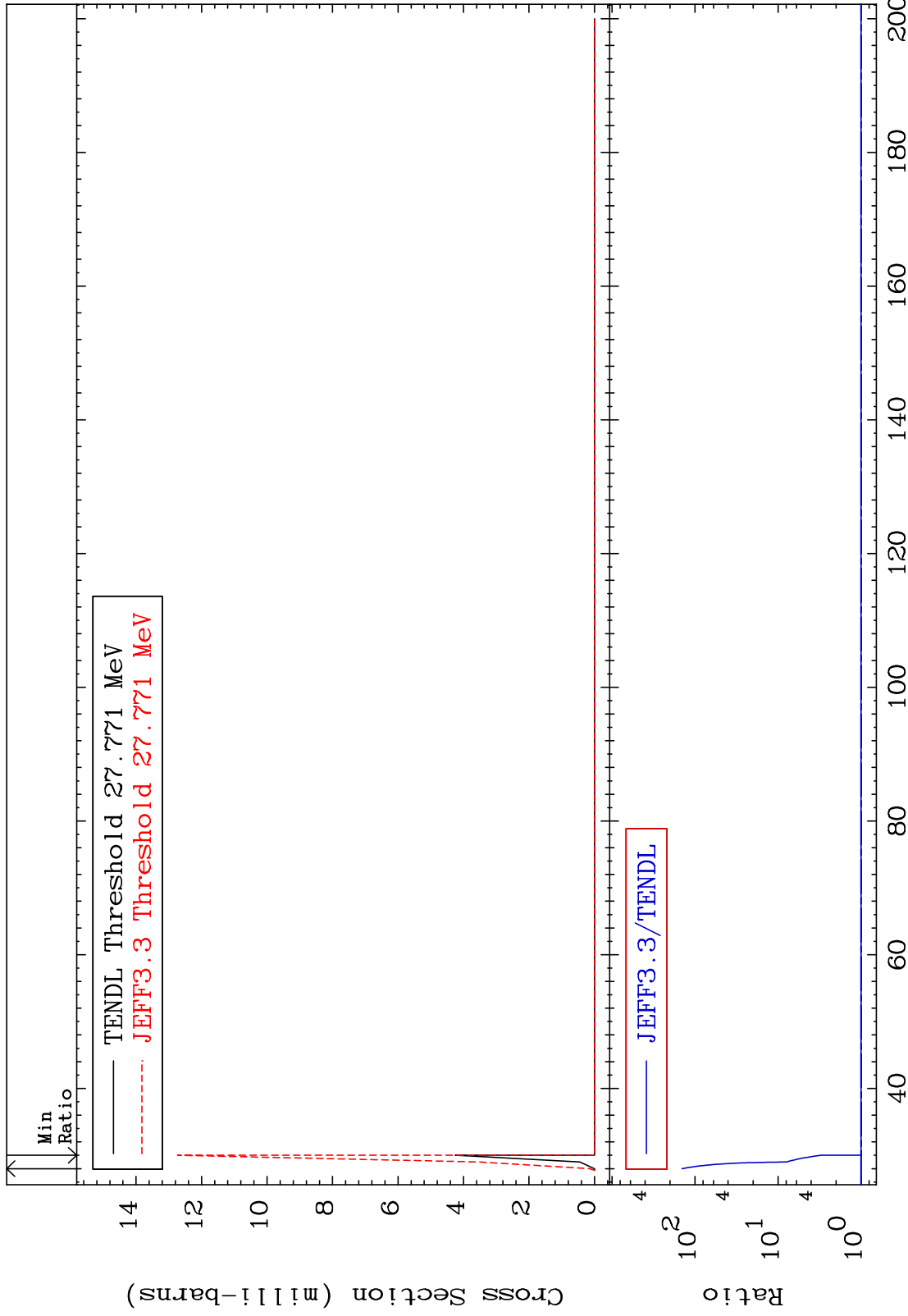


MAT 4725

(n, 4n) : 47-Ag-104m1

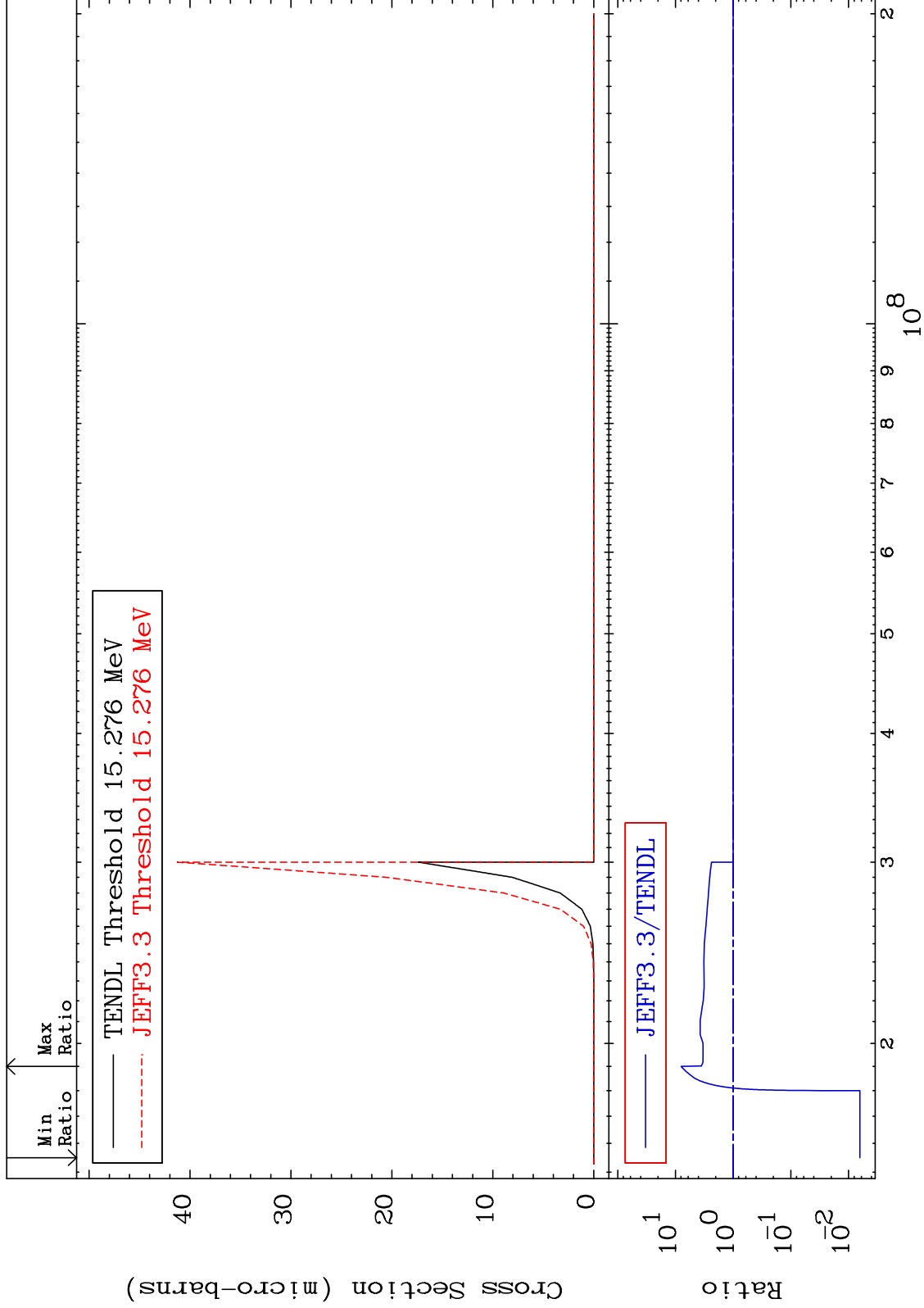
47-Ag-107

Radionuclide Production Cross Section 0.000 To 9999. %



MAT 4725

(n,2n) p:45-Rh-105g 47-Ag-107
Radionuclide Production Cross Section -99.37 To 693.7 %

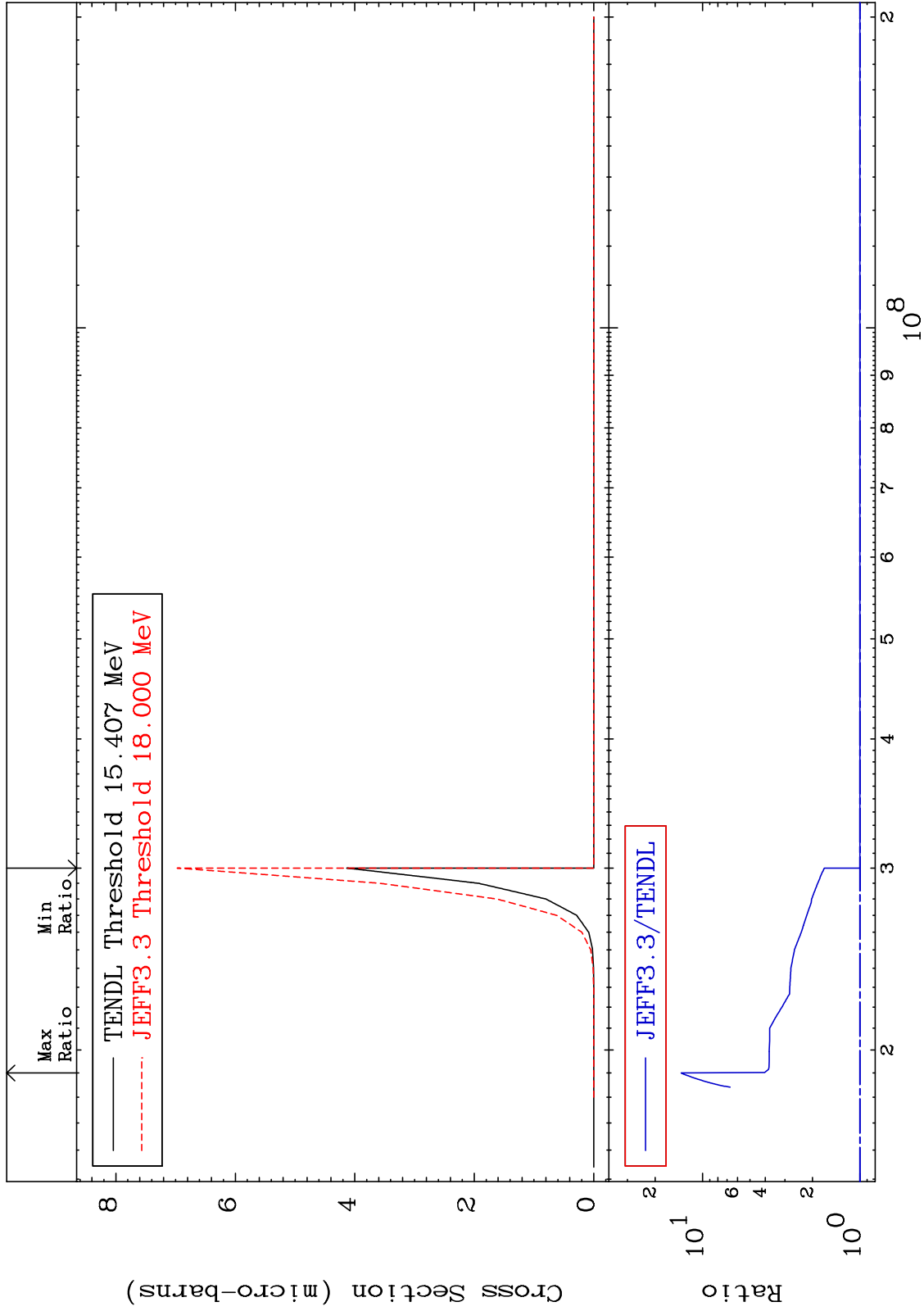


MAT 4725

(n,2n) p: 45-Rh-105m1

47-Ag-107

Radionuclide Production Cross Section 0.000 To 1266. %



100

Incident Energy (eV)

47-Ag-107

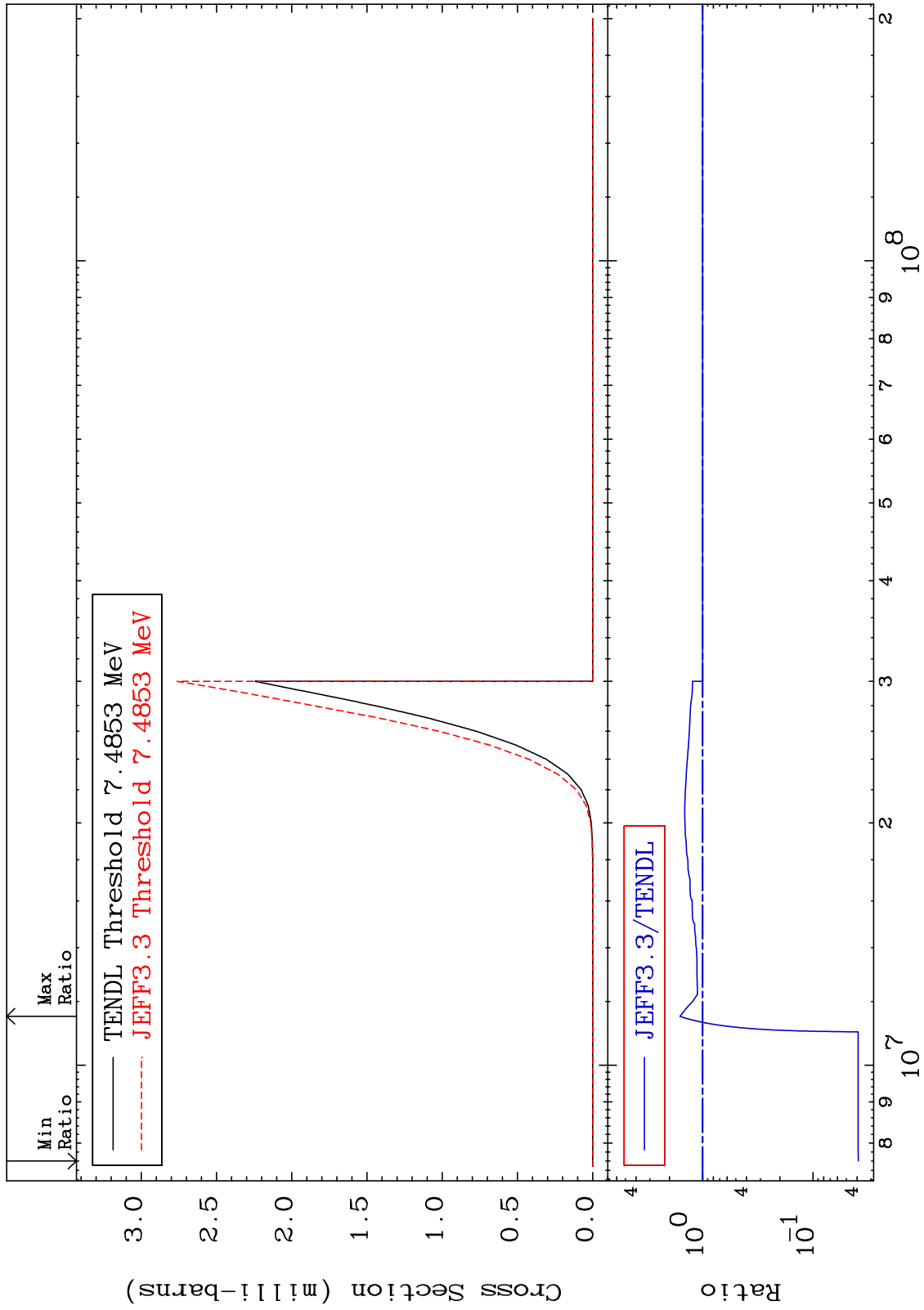
MAT 4725

(n, He-3) : 45-Rh-105g

47-Ag-107

Radionuclide Production Cross Section

-96.12 To 60.21 %



101

Incident Energy (eV)

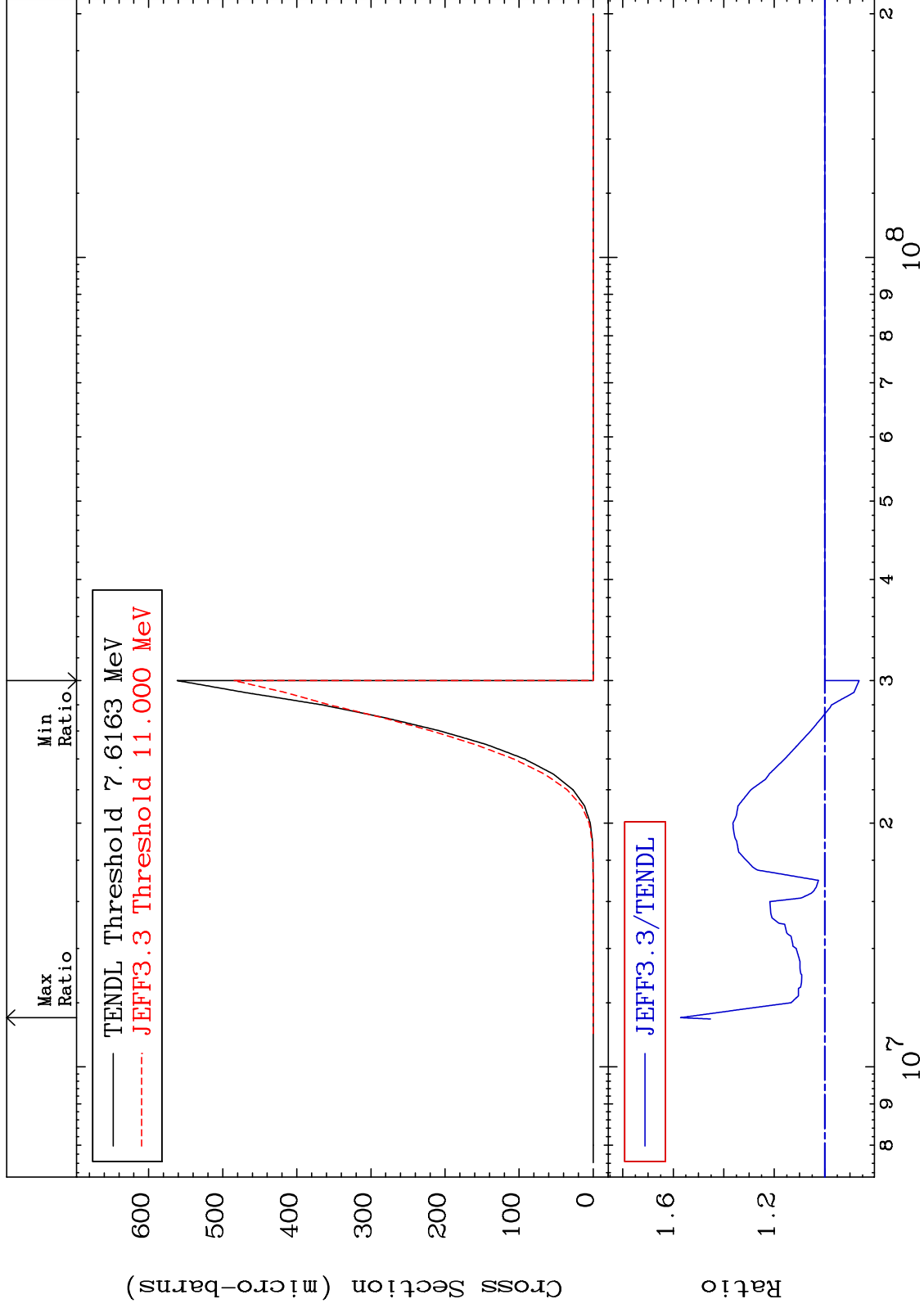
47-Ag-107

MAT 4725

(n, He-3) : 45-Rh-105m1

47-Ag-107

Radionuclide Production Cross Section -13.63 To 57.08 %



102

Incident Energy (eV)

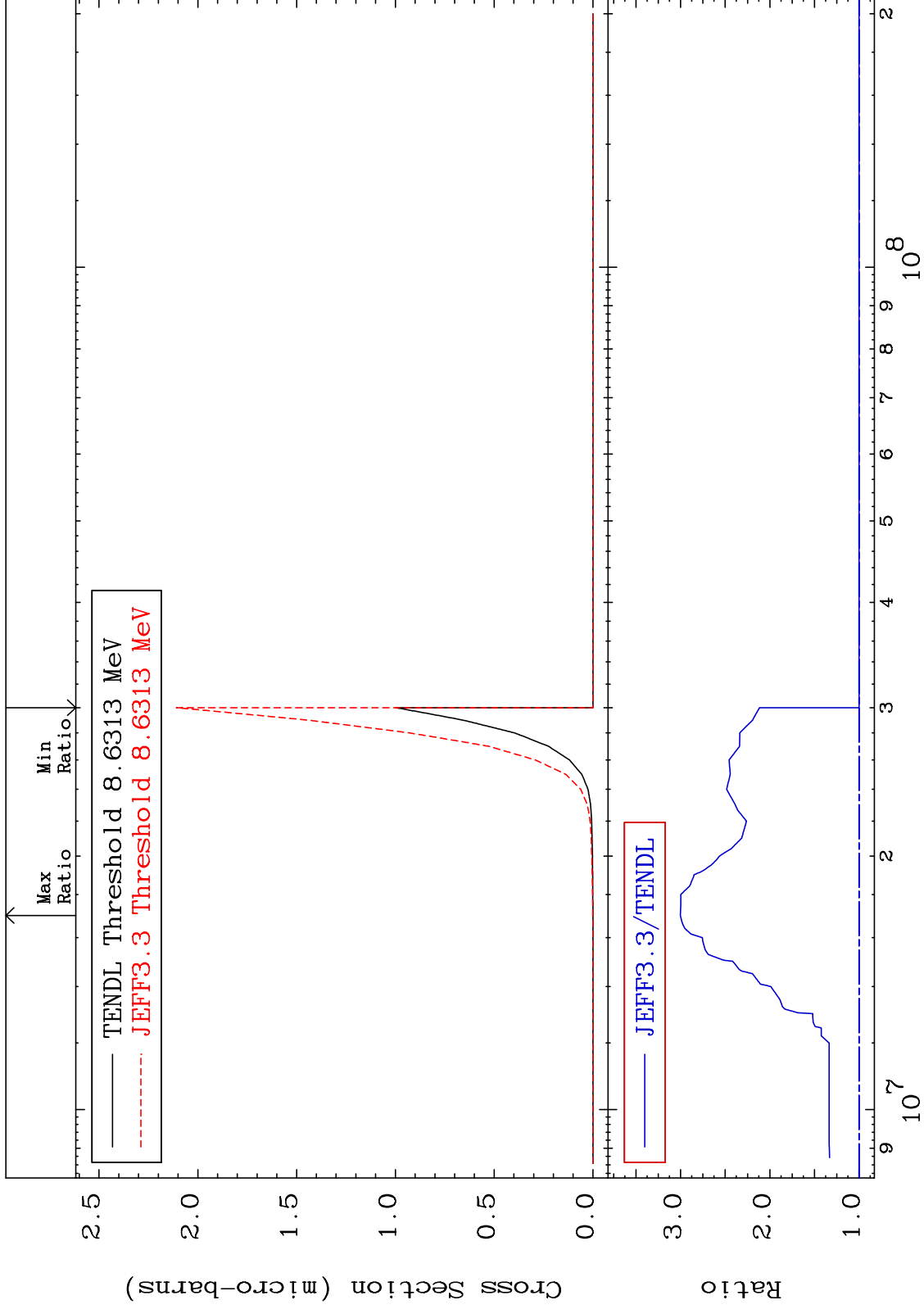
47-Ag-107

MAT 4725

(n,2p) : 45-Rh-106g

47-Ag-107

Radionuclide Production Cross Section 0.000 To 200.2 %



103

Incident Energy (eV)

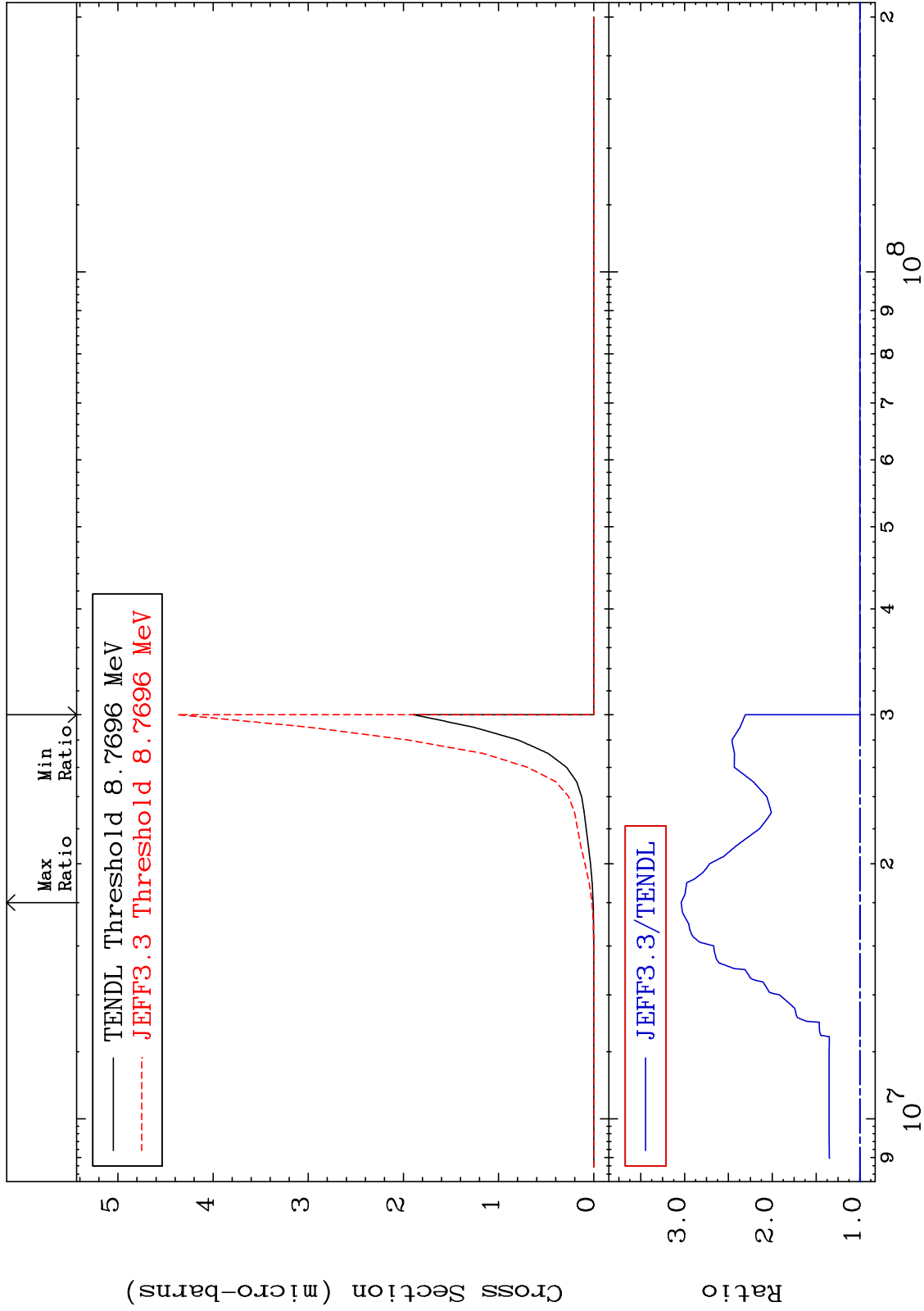
47-Ag-107

MAT 4725

(n,2p) : 45-Rh-106m1

47-Ag-107

Radionuclide Production Cross Section 0.000 To 203.8 %



104

Incident Energy (eV)

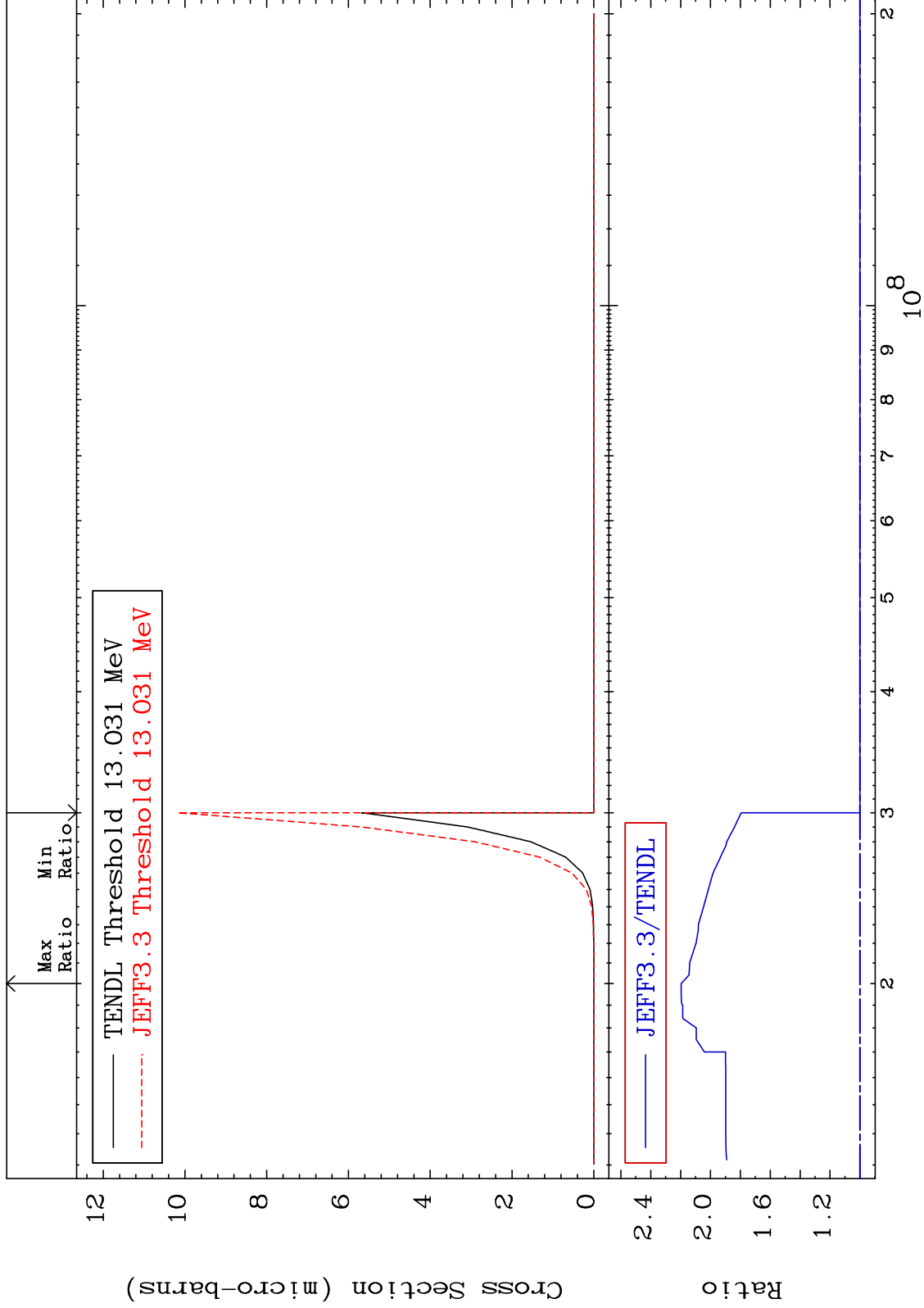
47-Ag-107

MAT 4725

(n, p) d: 45-Rh-105g

47-Ag-107

Radionuclide Production Cross Section 0.000 To 119.6 %



105

Incident Energy (eV)

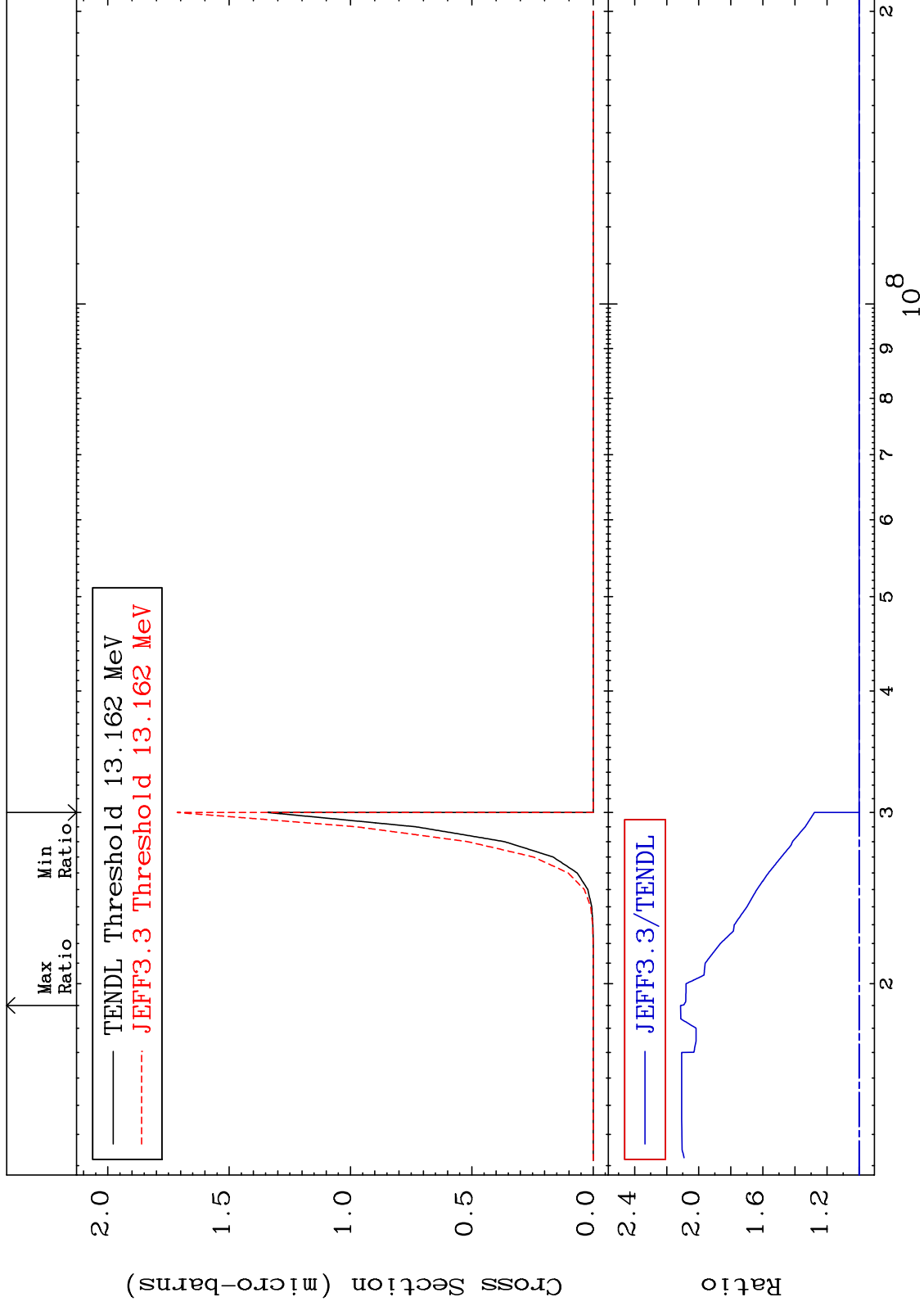
47-Ag-107

MAT 4725

(n, p) d:45-Rh-105m1

47-Ag-107

Radionuclide Production Cross Section 0.000 To 111.3 %



106

Incident Energy (eV)

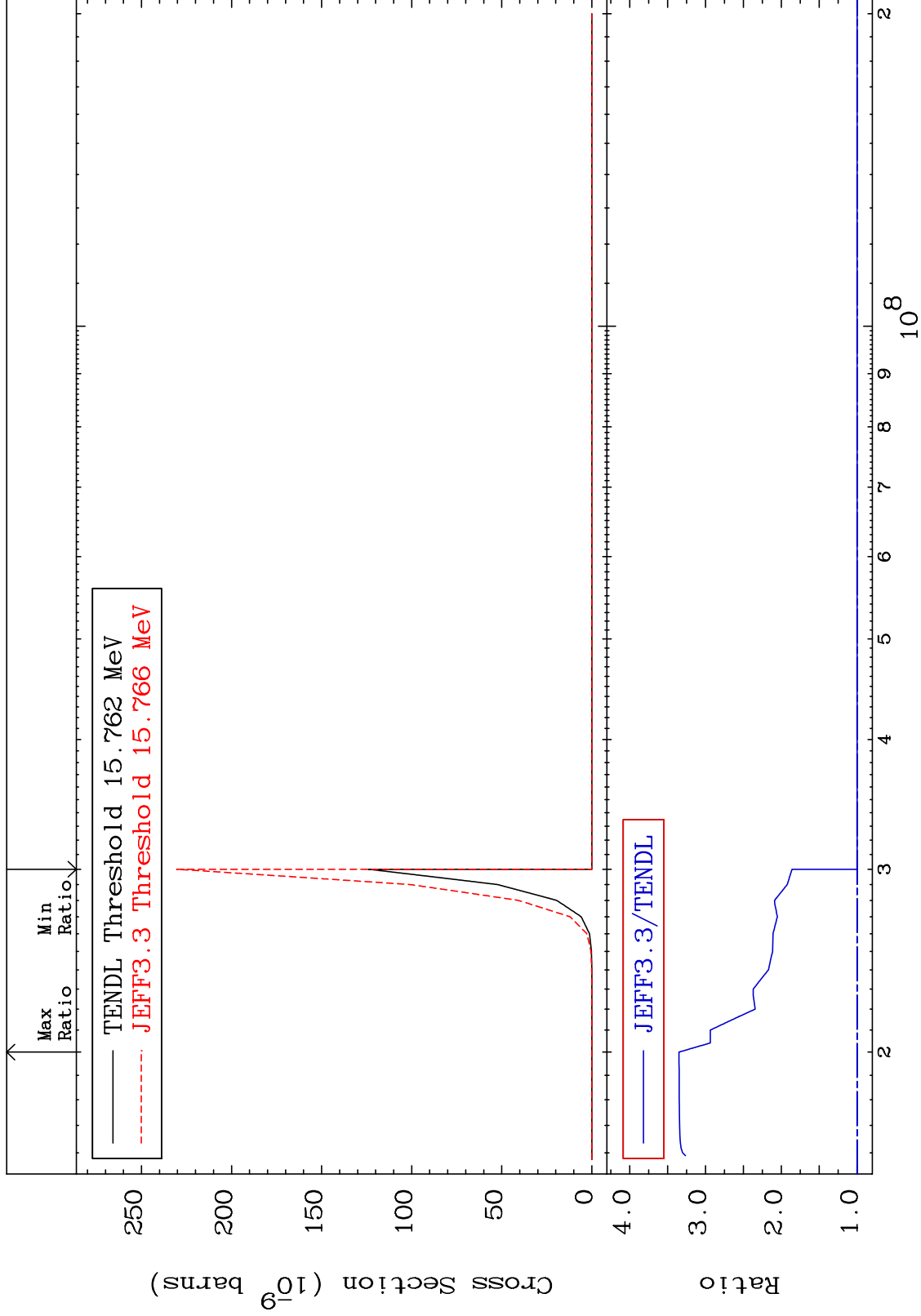
47-Ag-107

MAT 4725

(n, p) t: 45-Rh-104g

47-Ag-107

Radionuclide Production Cross Section 0.000 To 234.9 %



107

Incident Energy (eV)

47-Ag-107

MAT 4725

(n, p) t:45-Rh-104m3

47-Ag-107

Radionuclide Production Cross Section 0.000 To 243.6 %

