

Program Complot
(Version 2018-1)

by

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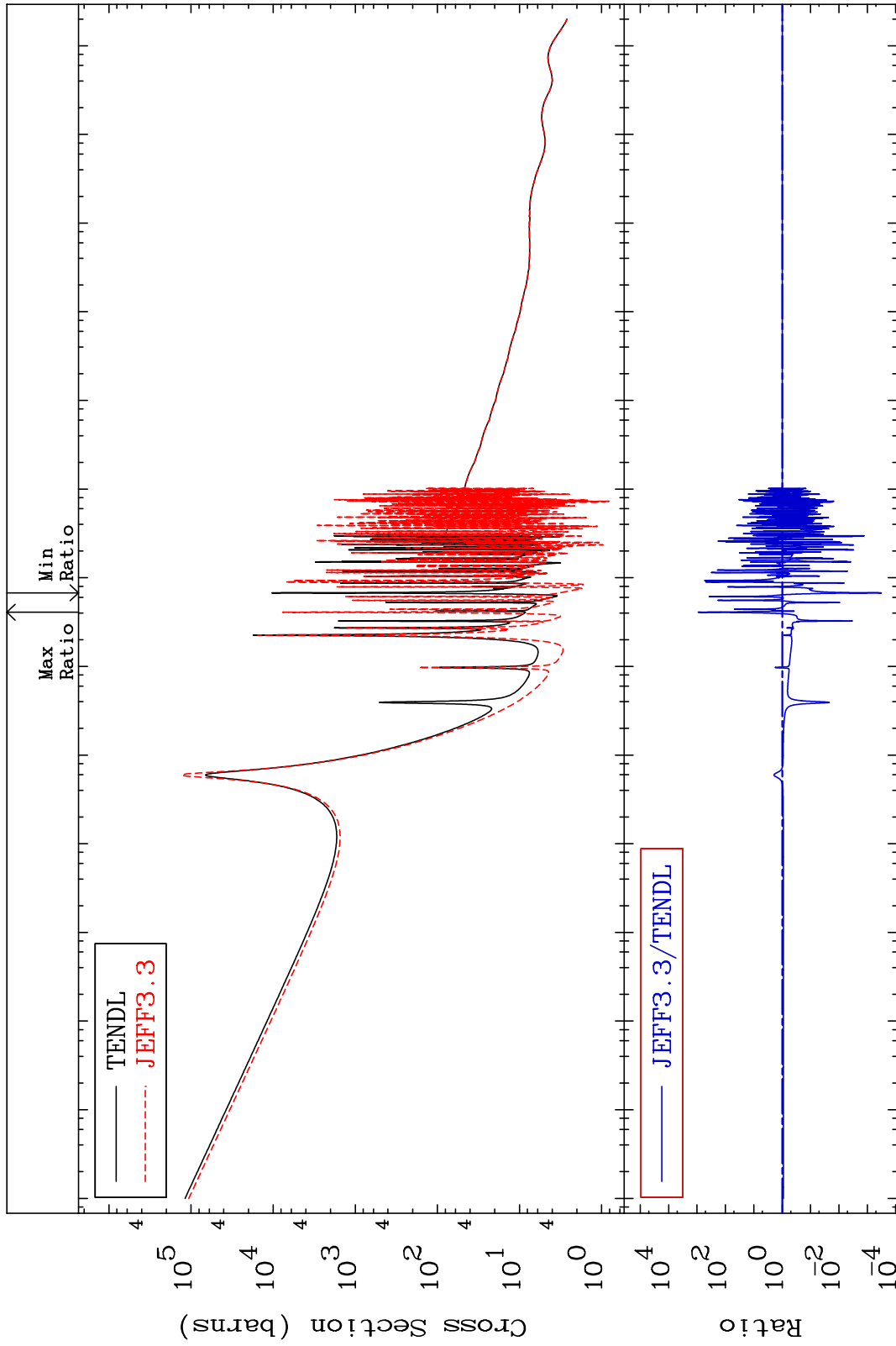
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7025

Total
Cross Section

70-Yb-168
-99.97 To 9999. %

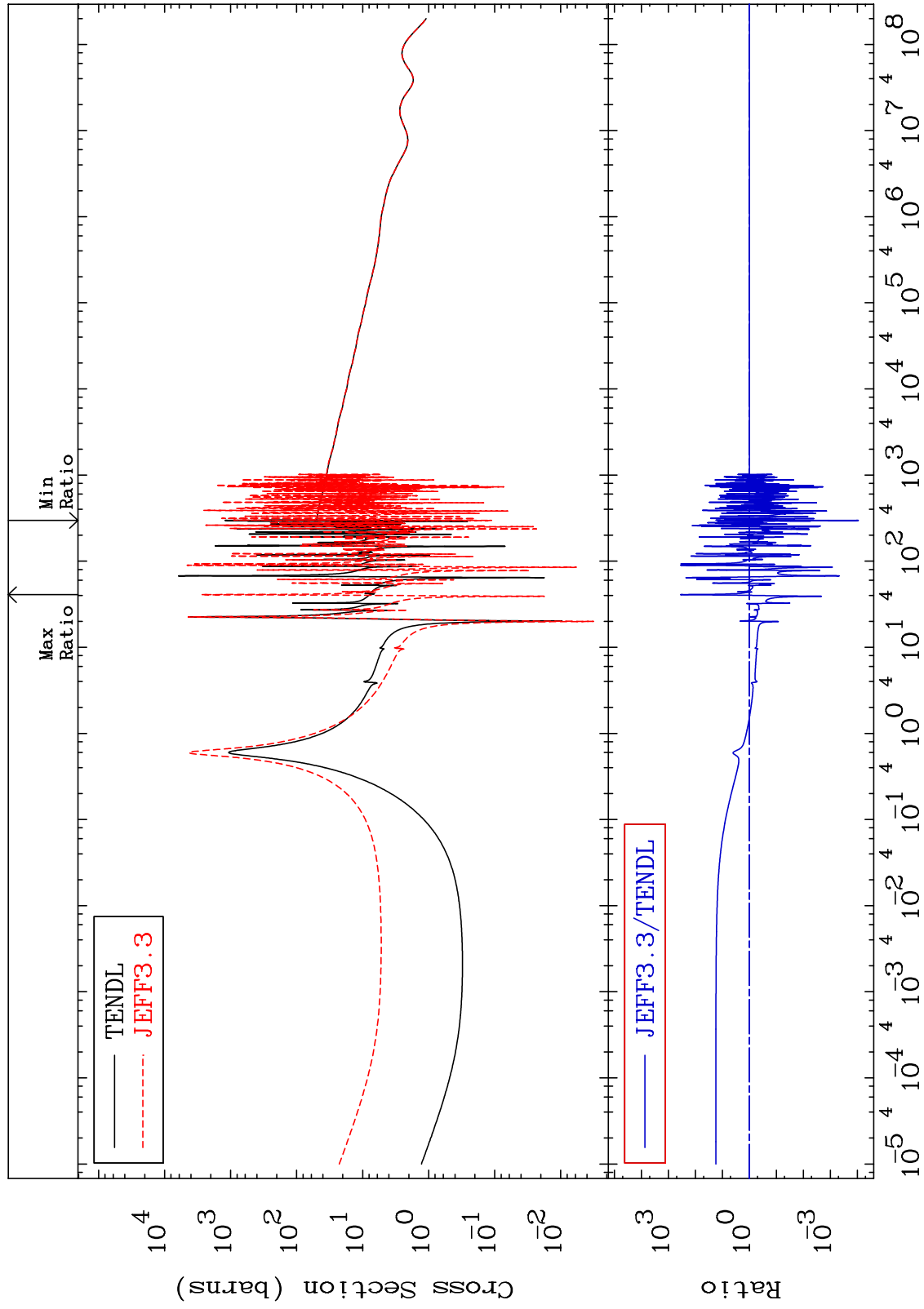


Incident Energy (eV)

70-Yb-168

MAT 7025

Elastic Cross Section
70-Yb-168
-99.99 To 9999. %



70-Yb-168

Incident Energy (eV)

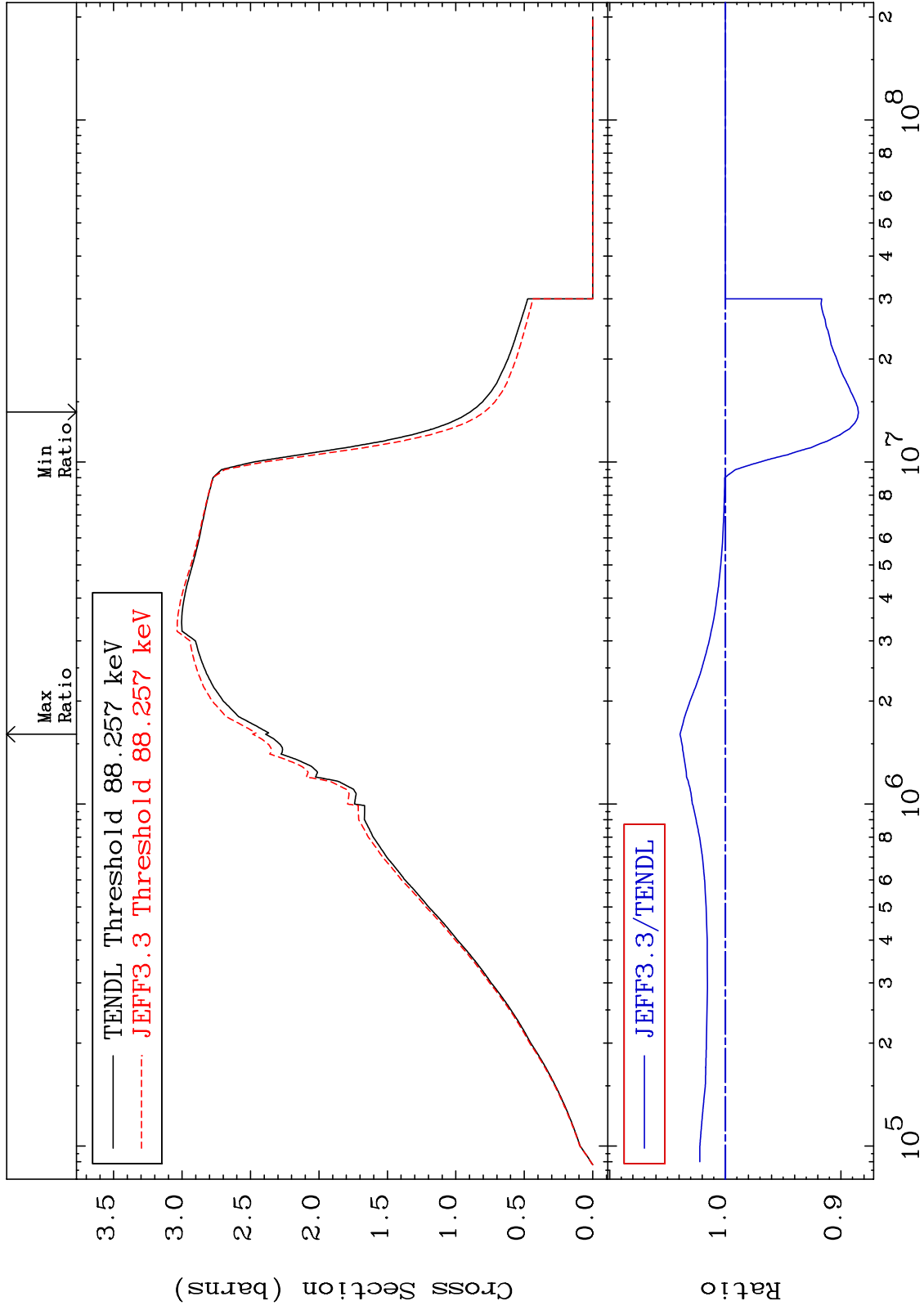
MAT 7025

Inelastic

70-Yb-168

Cross Section

-11.51 To 3.922 %



Incident Energy (eV)

70-Yb-168

3

MAT 7025

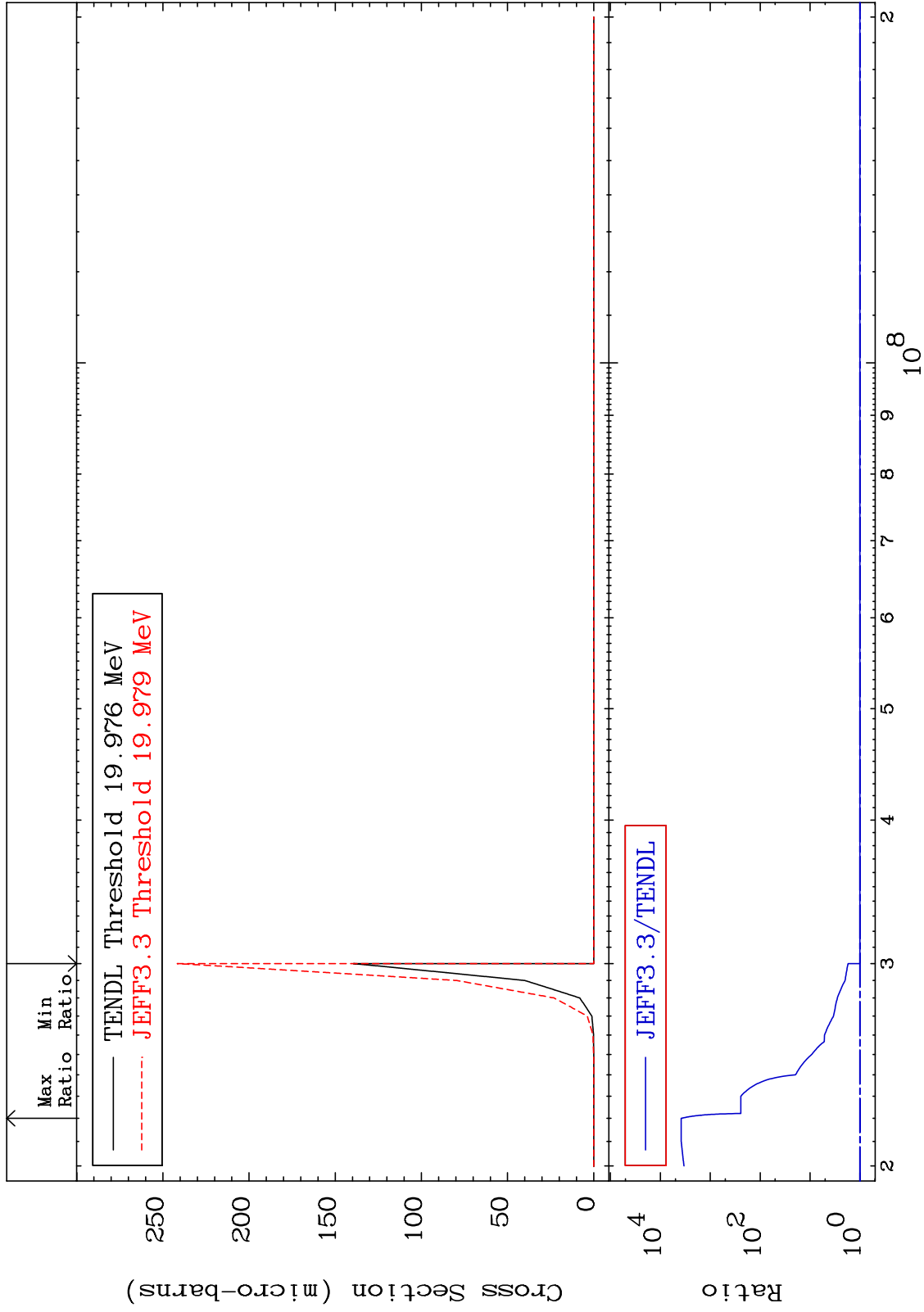
(n,2n) d

70-Yb-168

Cross Section

0.000

To 9999. %



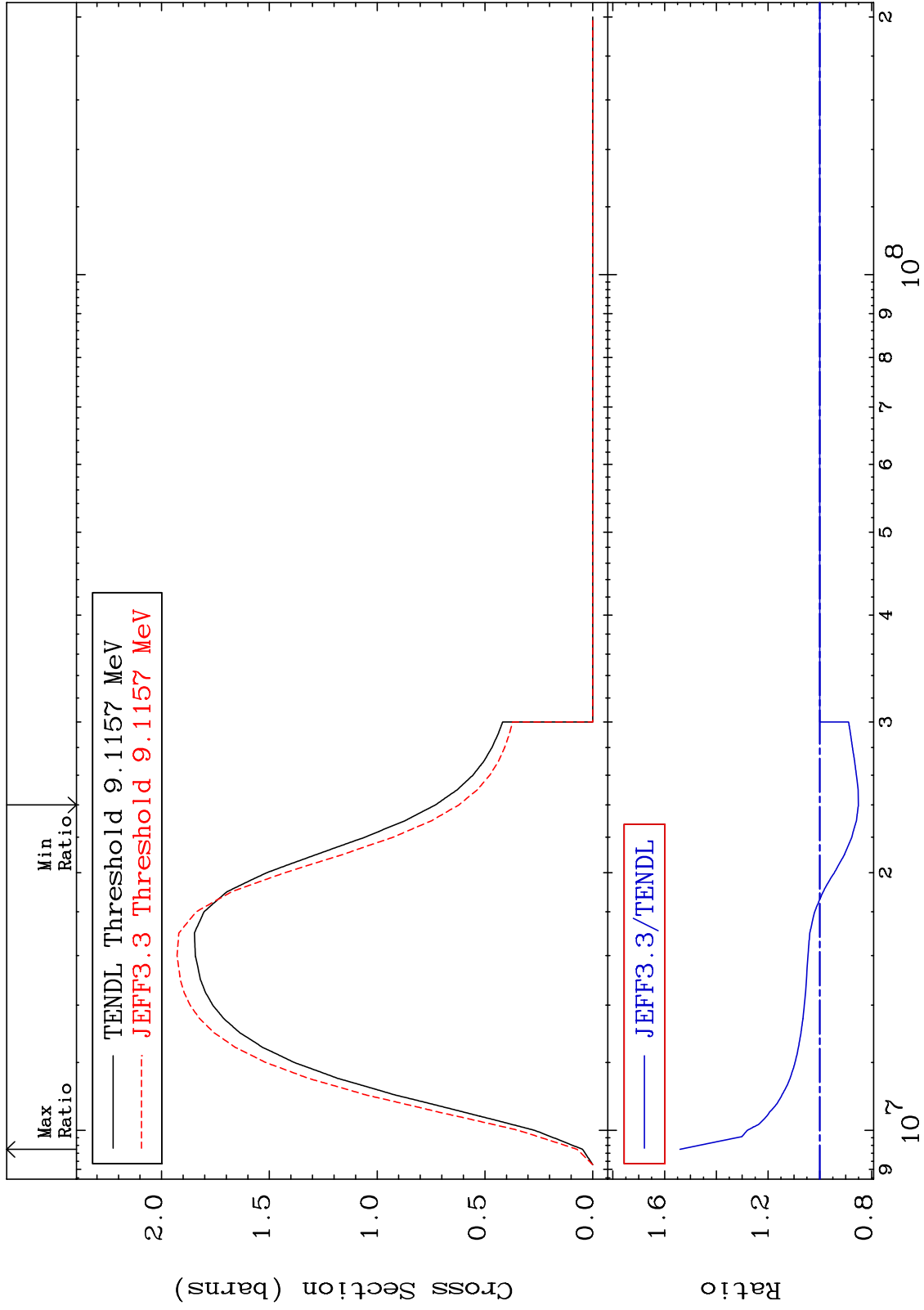
MAT 7025

(n, 2n)

70-Yb-168

Cross Section

-14.92 To 54.04 %



Incident Energy (eV)

70-Yb-168

5

10^7

10^8

2

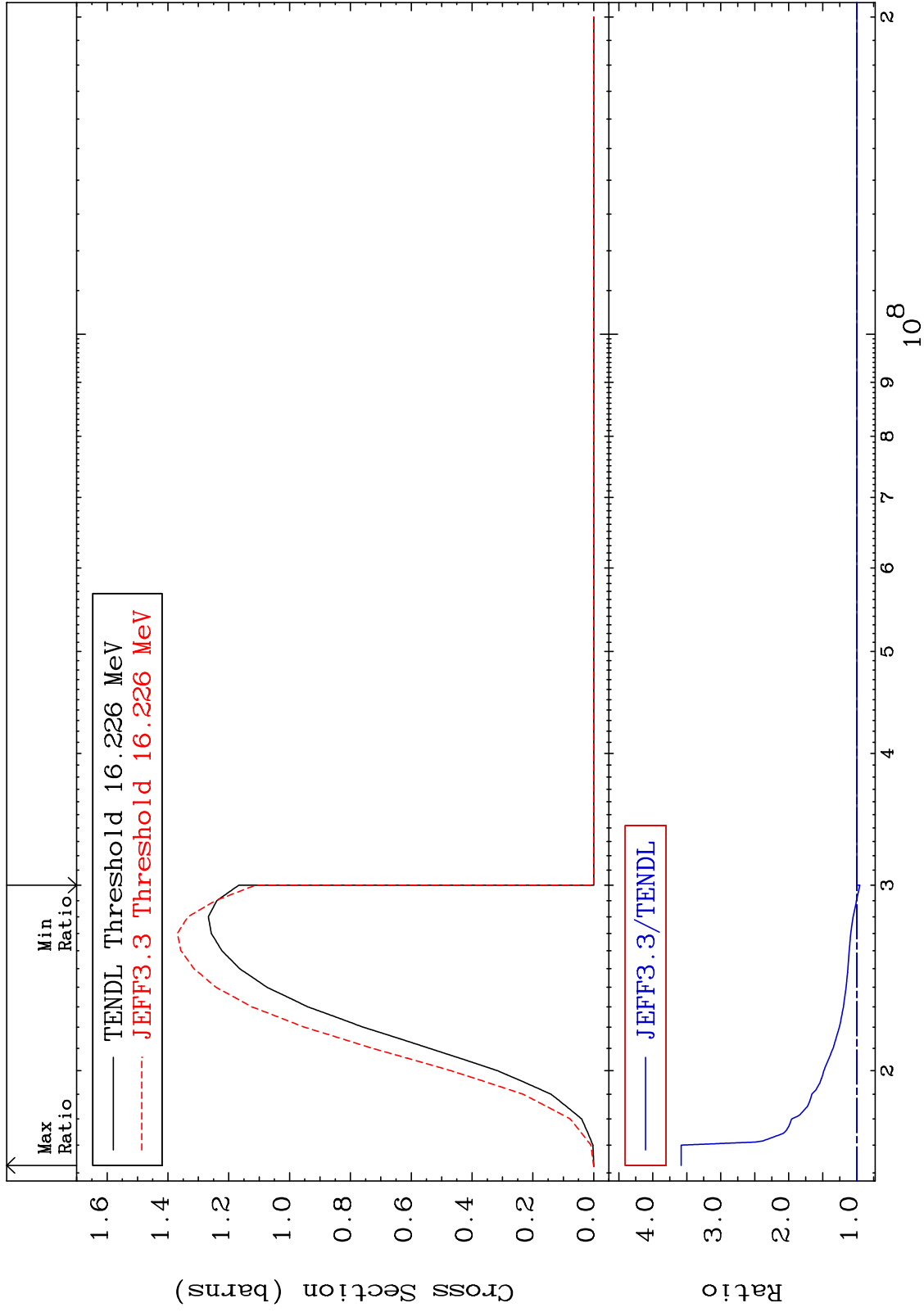
MAT 7025

(n, 3n)

70-Yb-168

Cross Section

-4.718 To 258.2 %



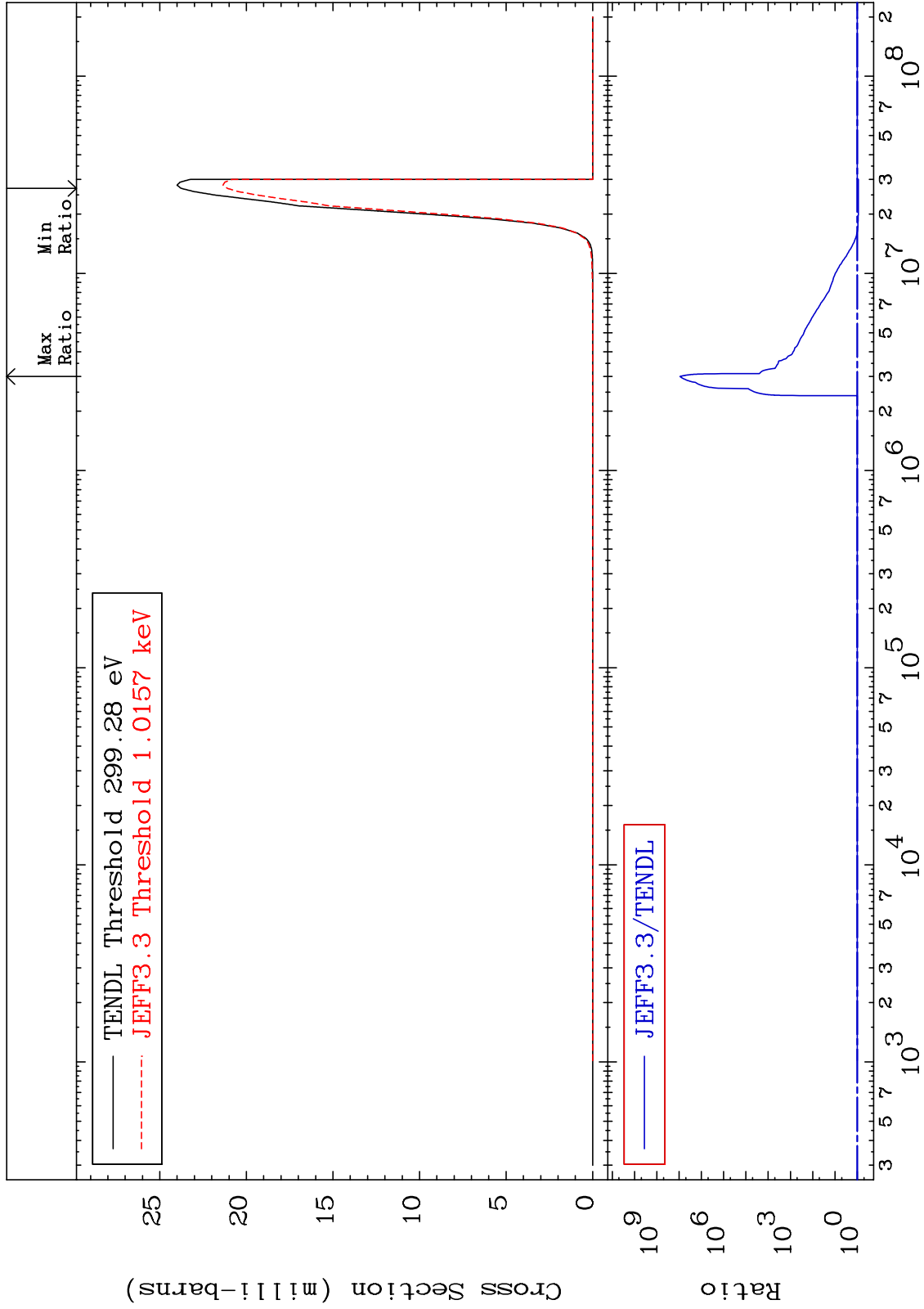
MAT 7025

(n, n') α

70-Yb-168

Cross Section

-11.25 To 9999. %



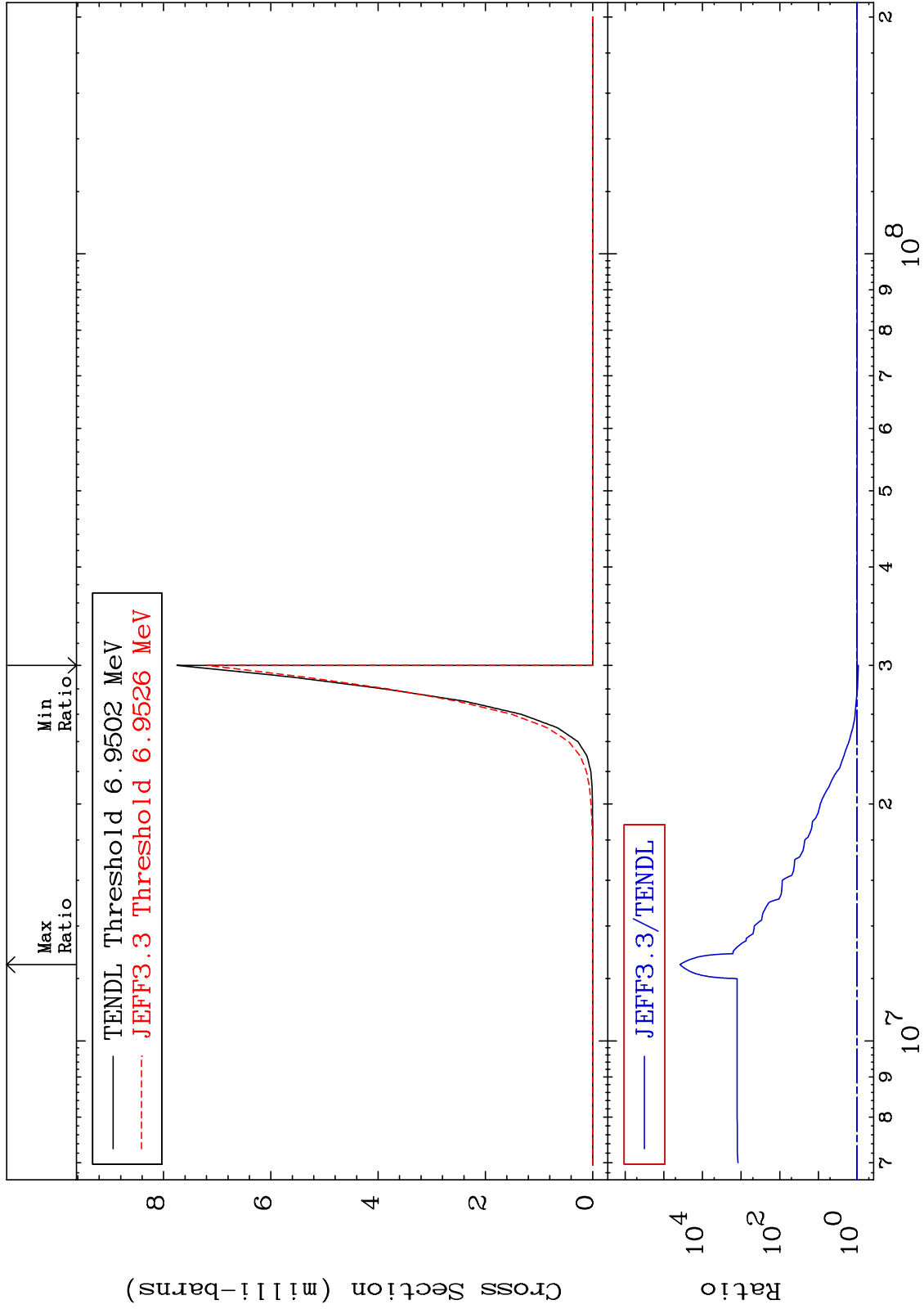
MAT 7025

(n,2n) α

70-Yb-168

Cross Section

-7.285 To 9999. %



8

Incident Energy (eV)

70-Yb-168

MAT 7025

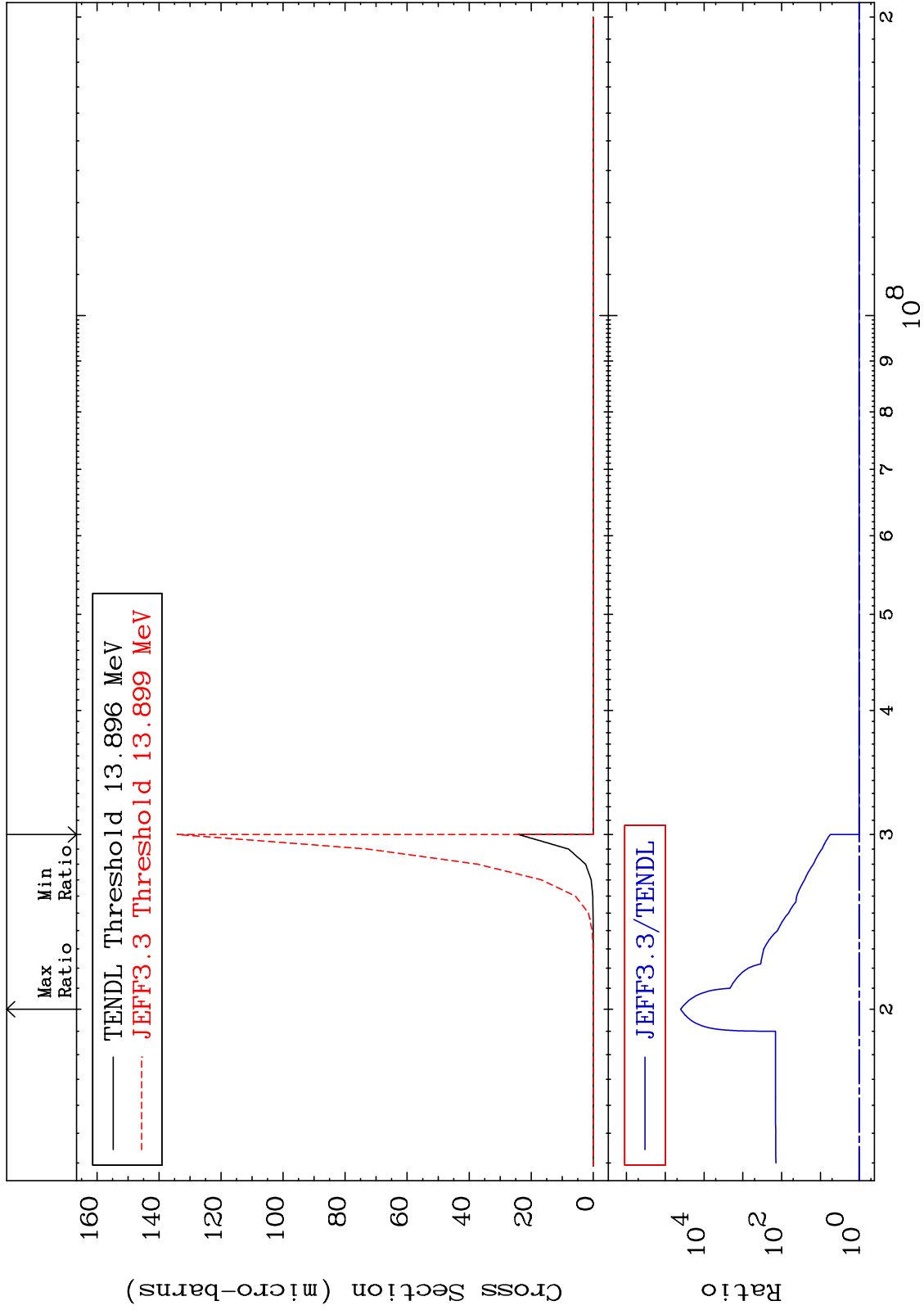
(n, 3n) α

⁷⁰Yb-168

Cross Section

0.000

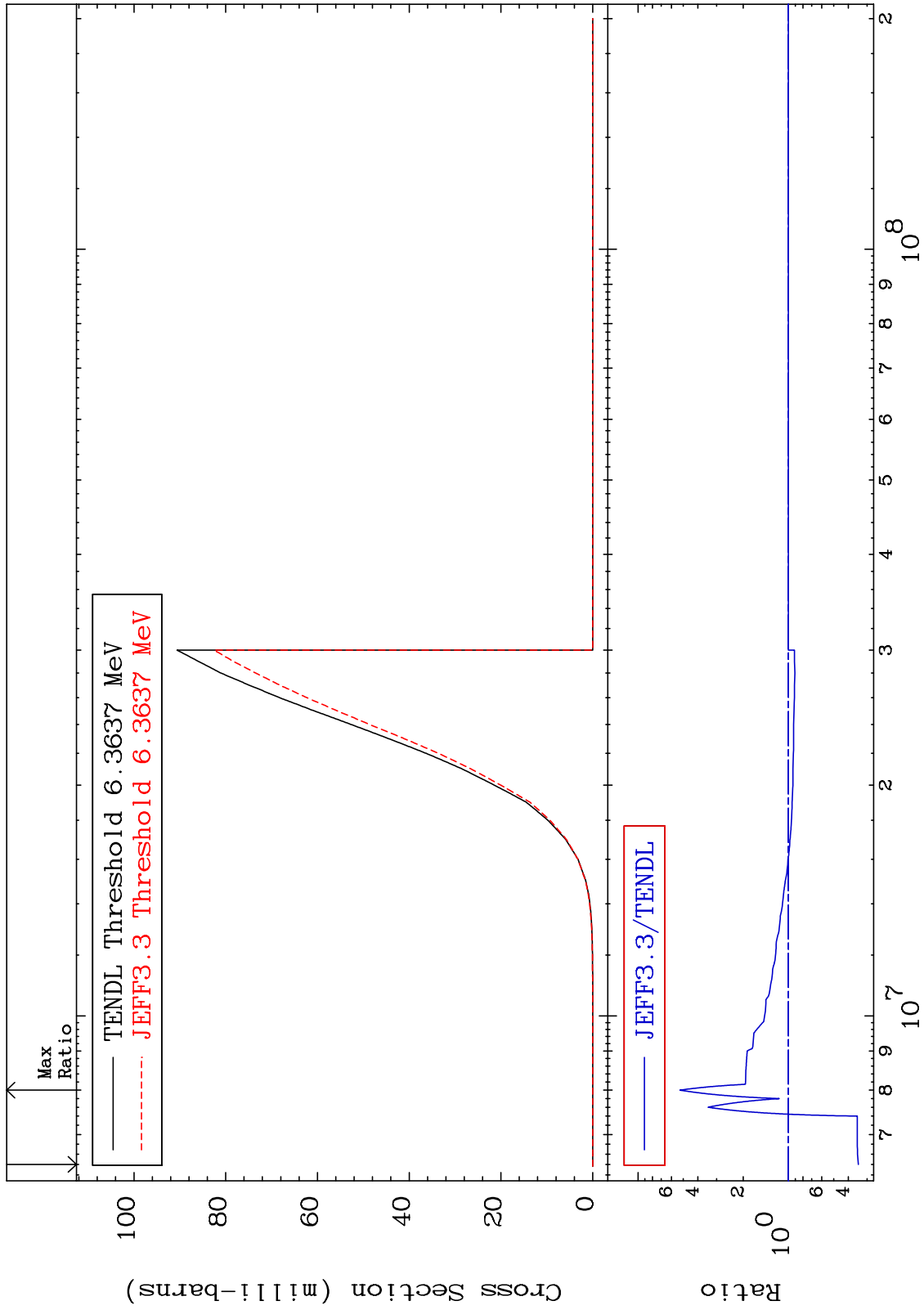
To 9999. %



MAT 7025

(n, n') p
Cross Section

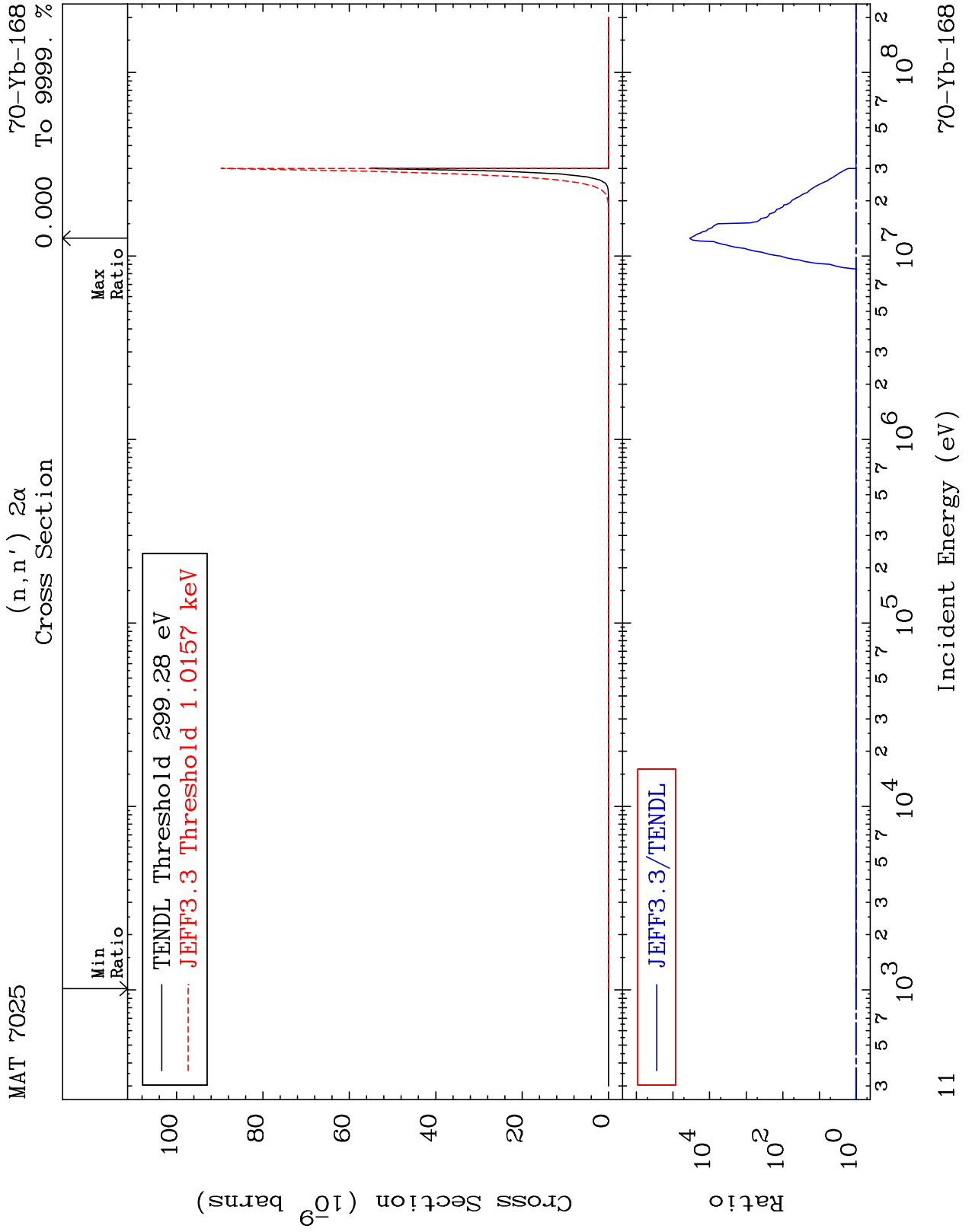
70-Yb-168
-65.75 To 425.6 %



10

Incident Energy (eV)

70-Yb-168



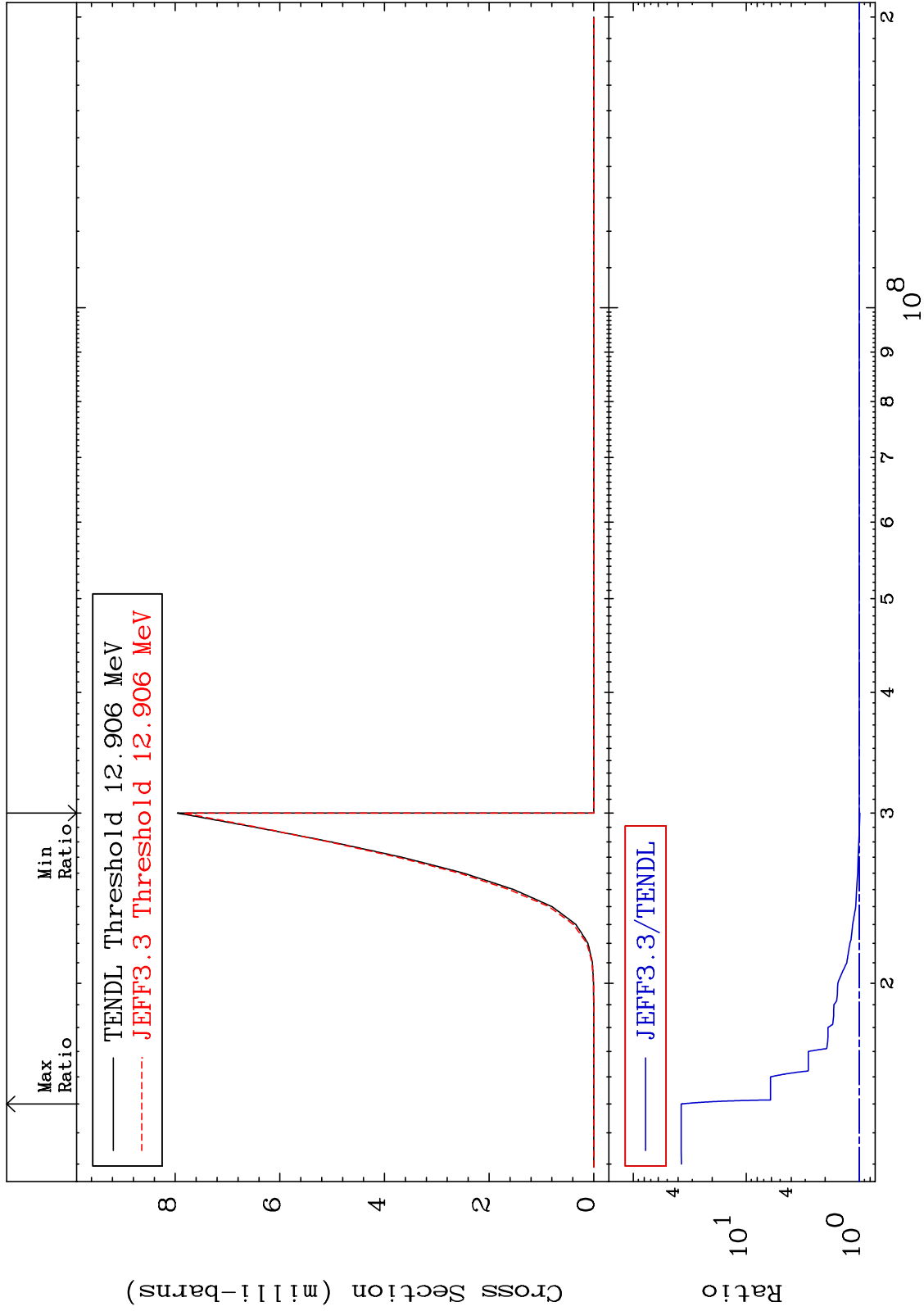
MAT 7025

(n, n') d

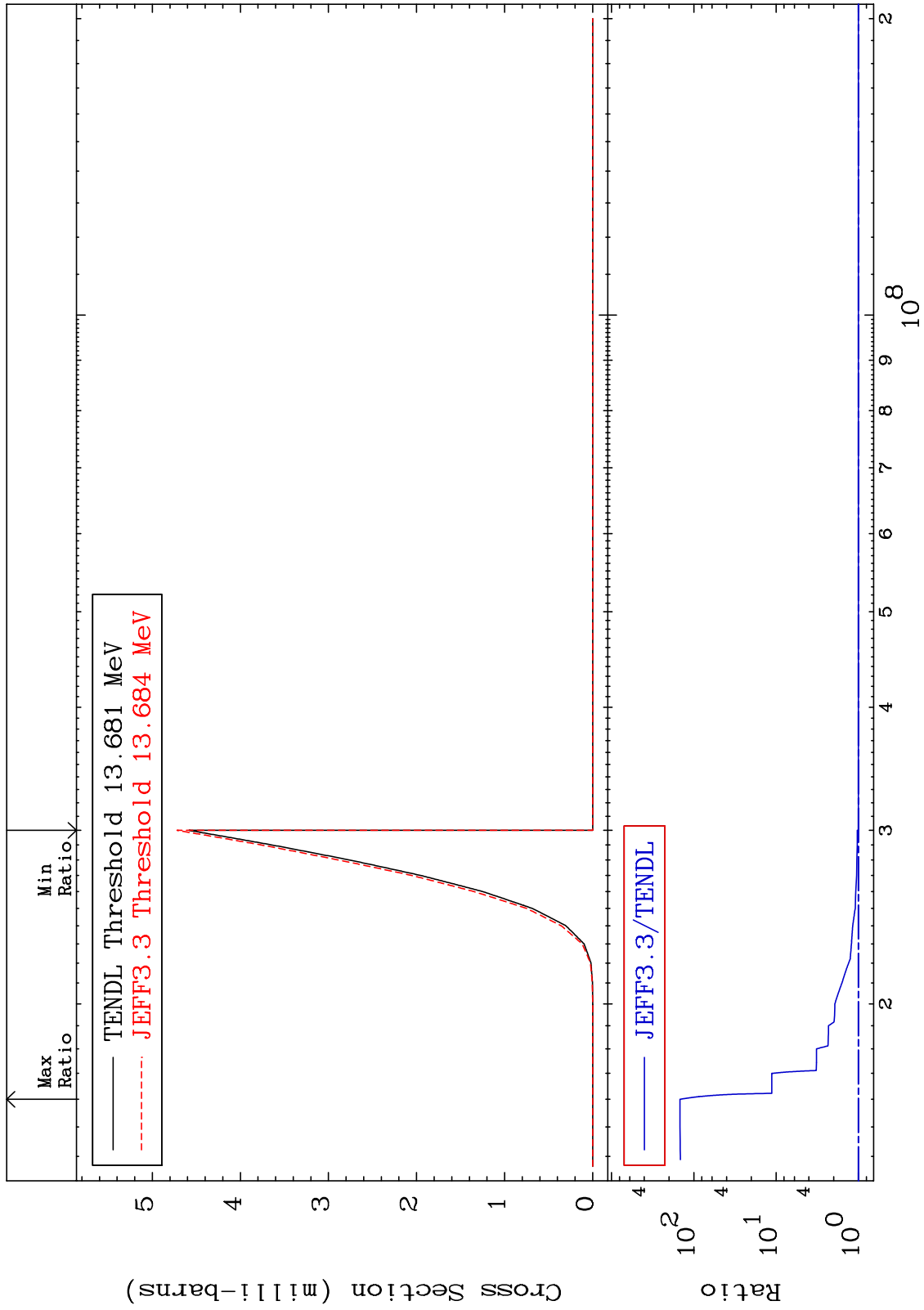
70-Yb-168

Cross Section

-1.455 To 3660. %



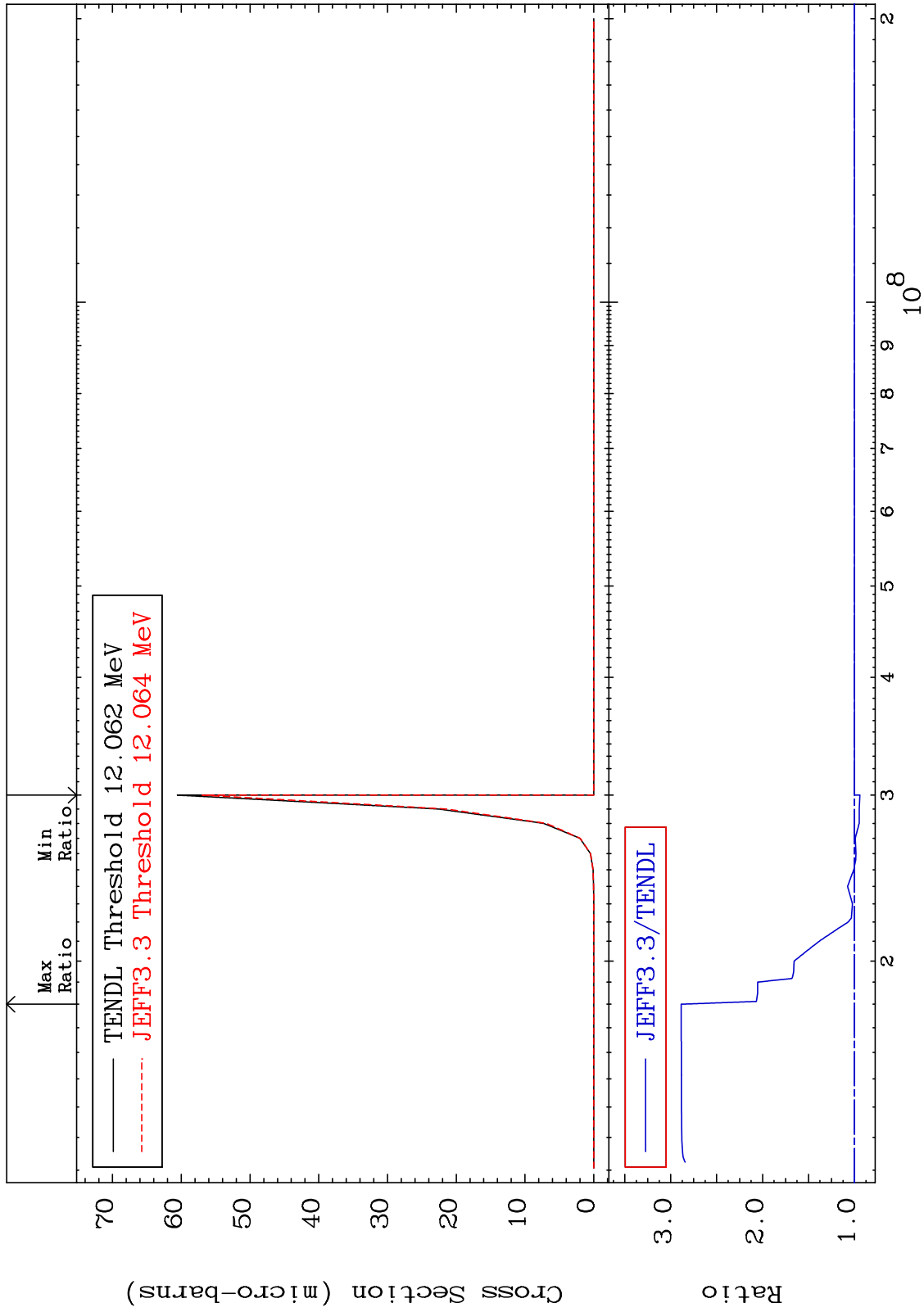
MAT 7025 (n,n') t 70-Yb-168
 Cross Section 0.000 To 9999. %



MAT 7025

(n, n') He-3
Cross Section

70-Yb-168
-5.972 To 188.6 %



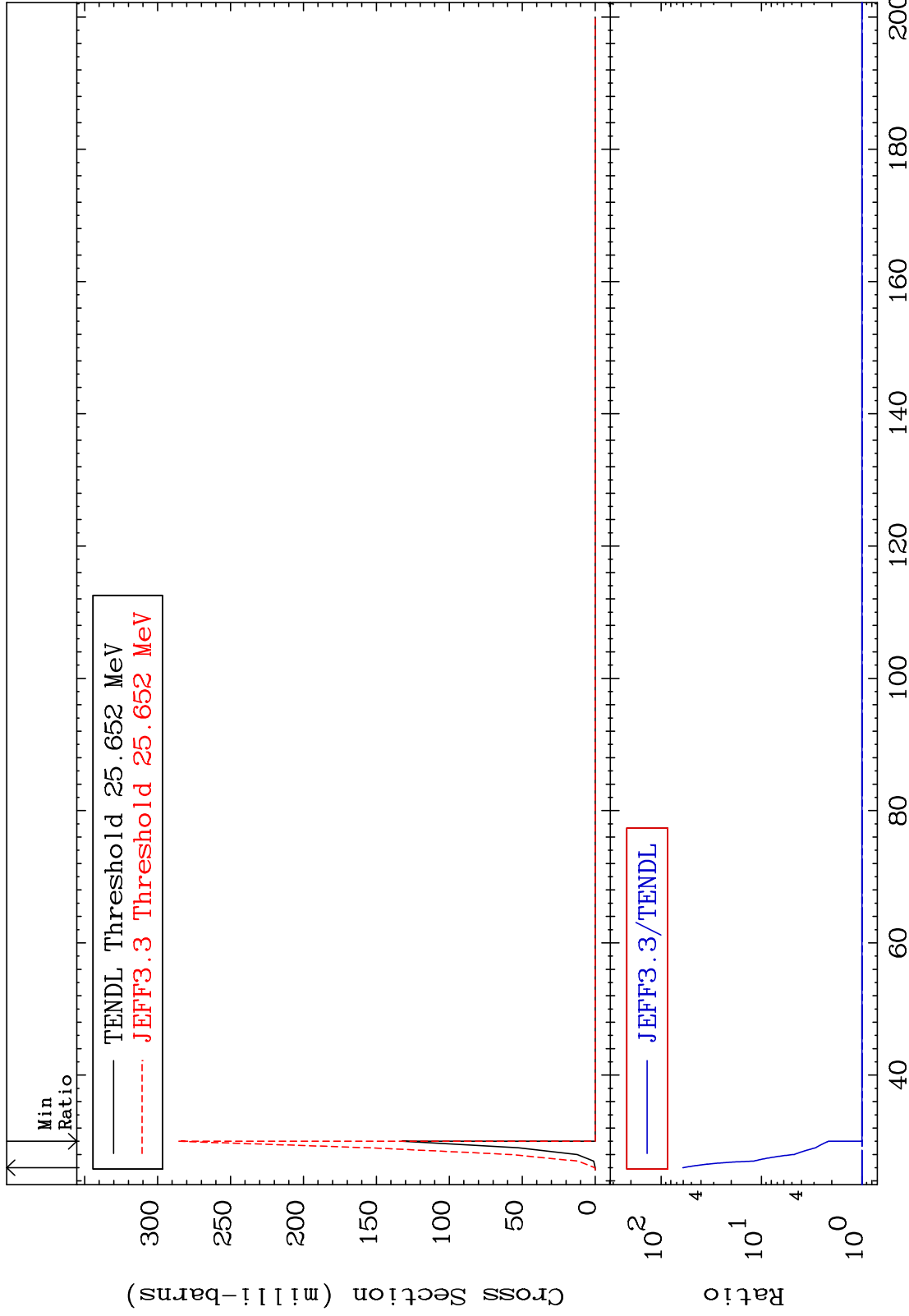
MAT 7025

(n, 4n)

70-Yb-168

Cross Section

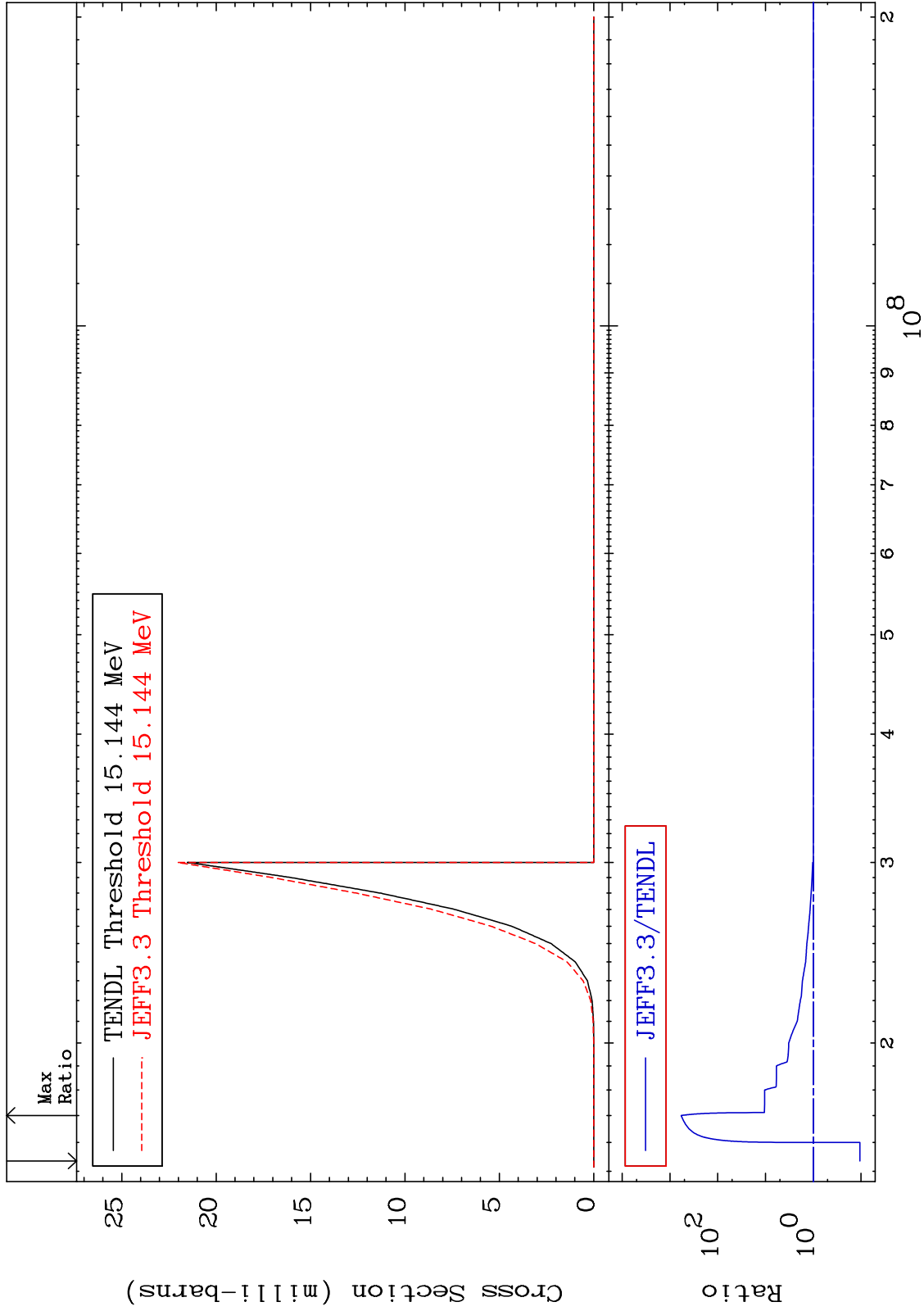
0.000 To 5964. %



MAT 7025

(n,2n) p
Cross Section

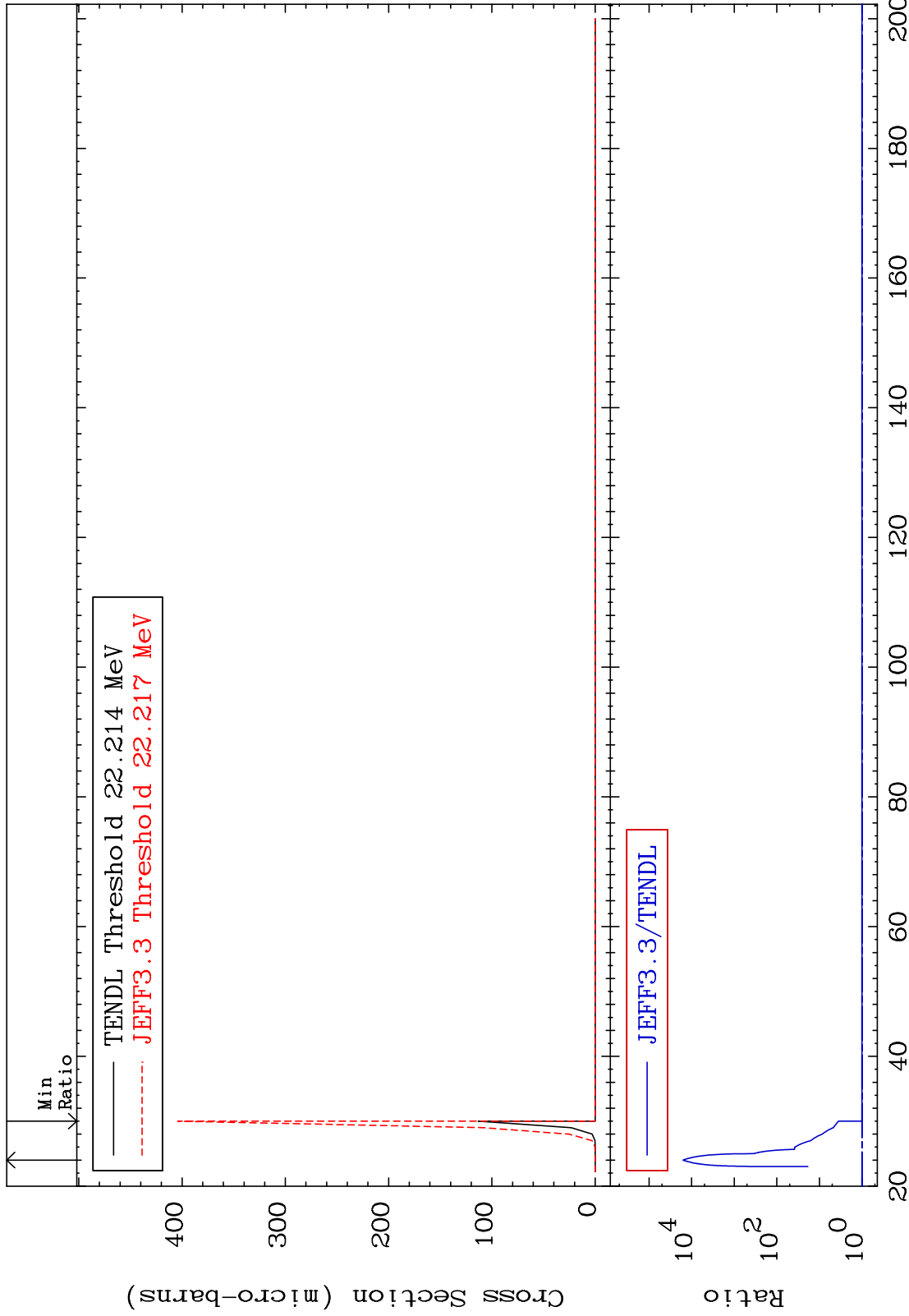
70-Yb-168
-89.46 To 9999. %



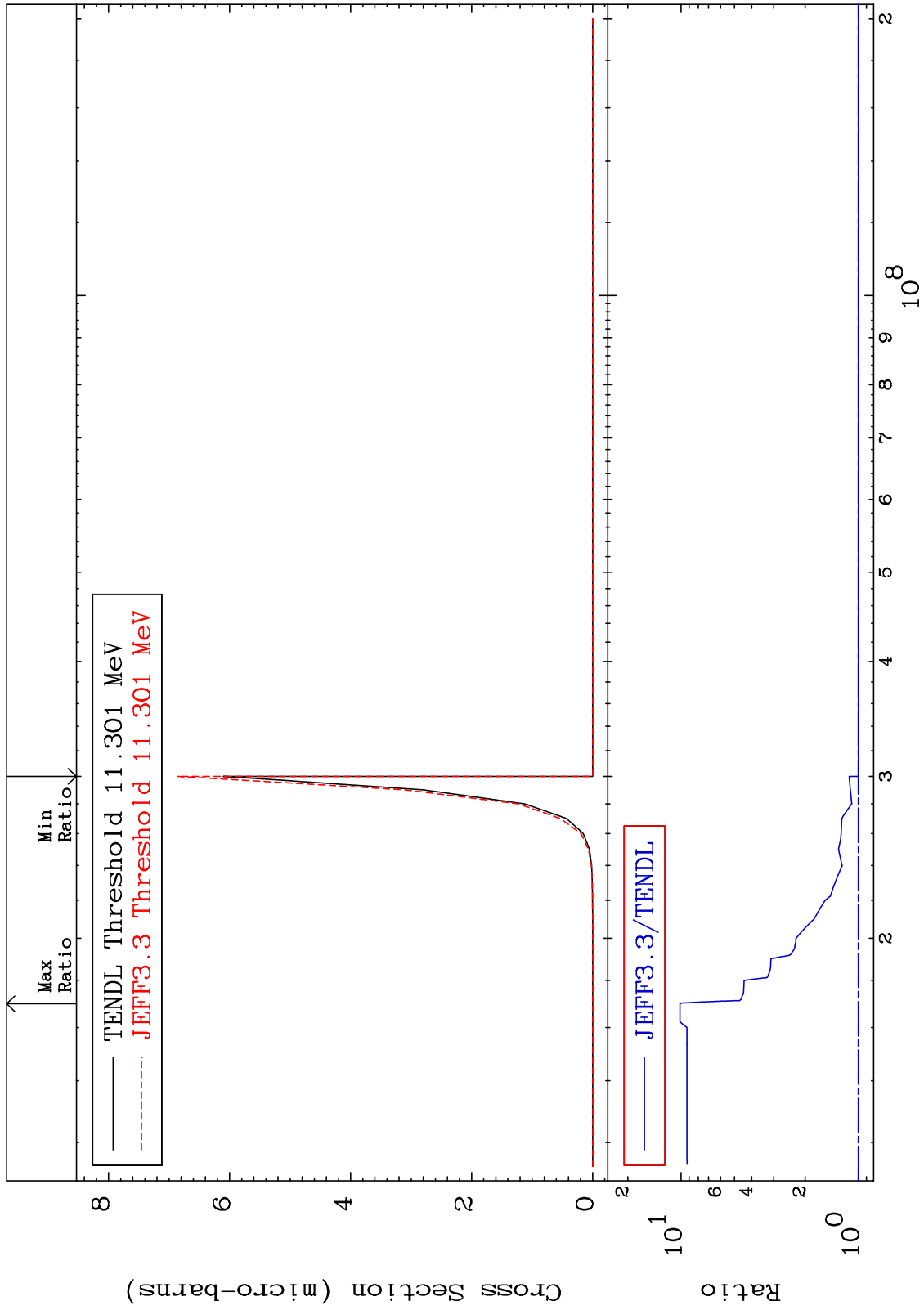
MAT 7025

(n,3n) p
Cross Section

70-Yb-168
To 9999. %
0.000



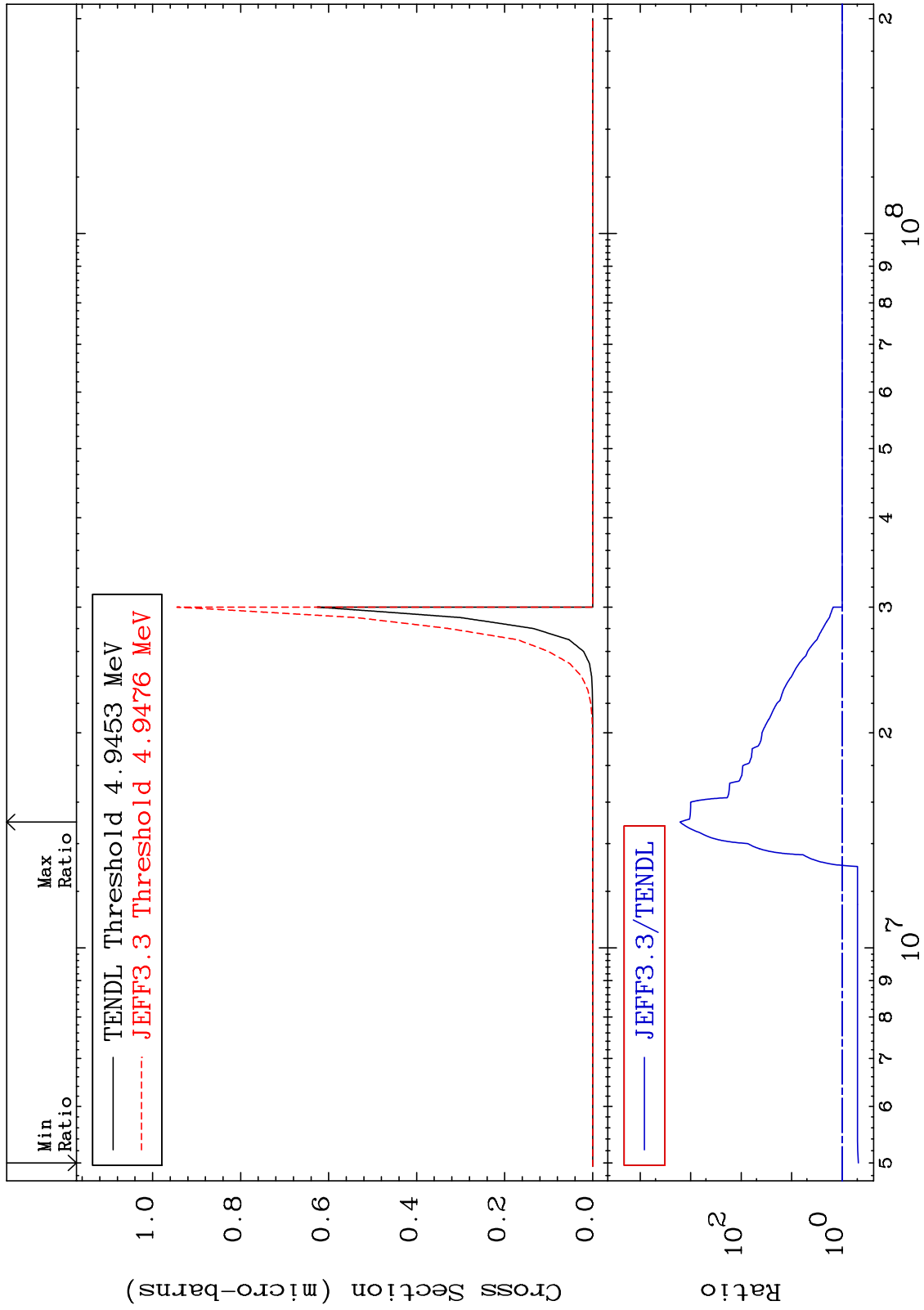
MAT 7025 $(n, 2n) p$ 70-Yb-168
 Cross Section 0.000 To 914.2 %



MAT 7025

(n,n') p α
Cross Section

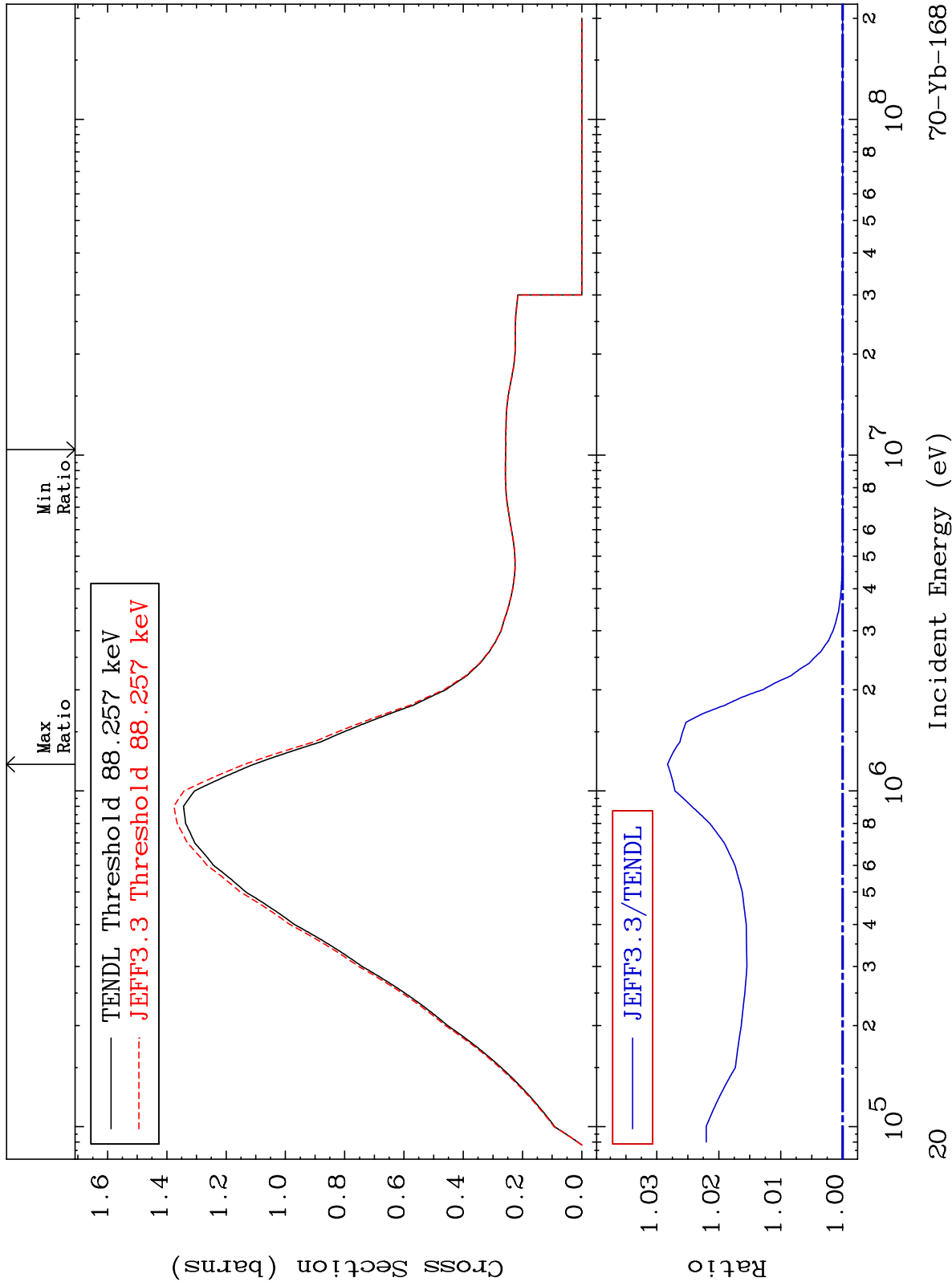
70-Yb-168
-52.29 To 9999. %



MAT 7025

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

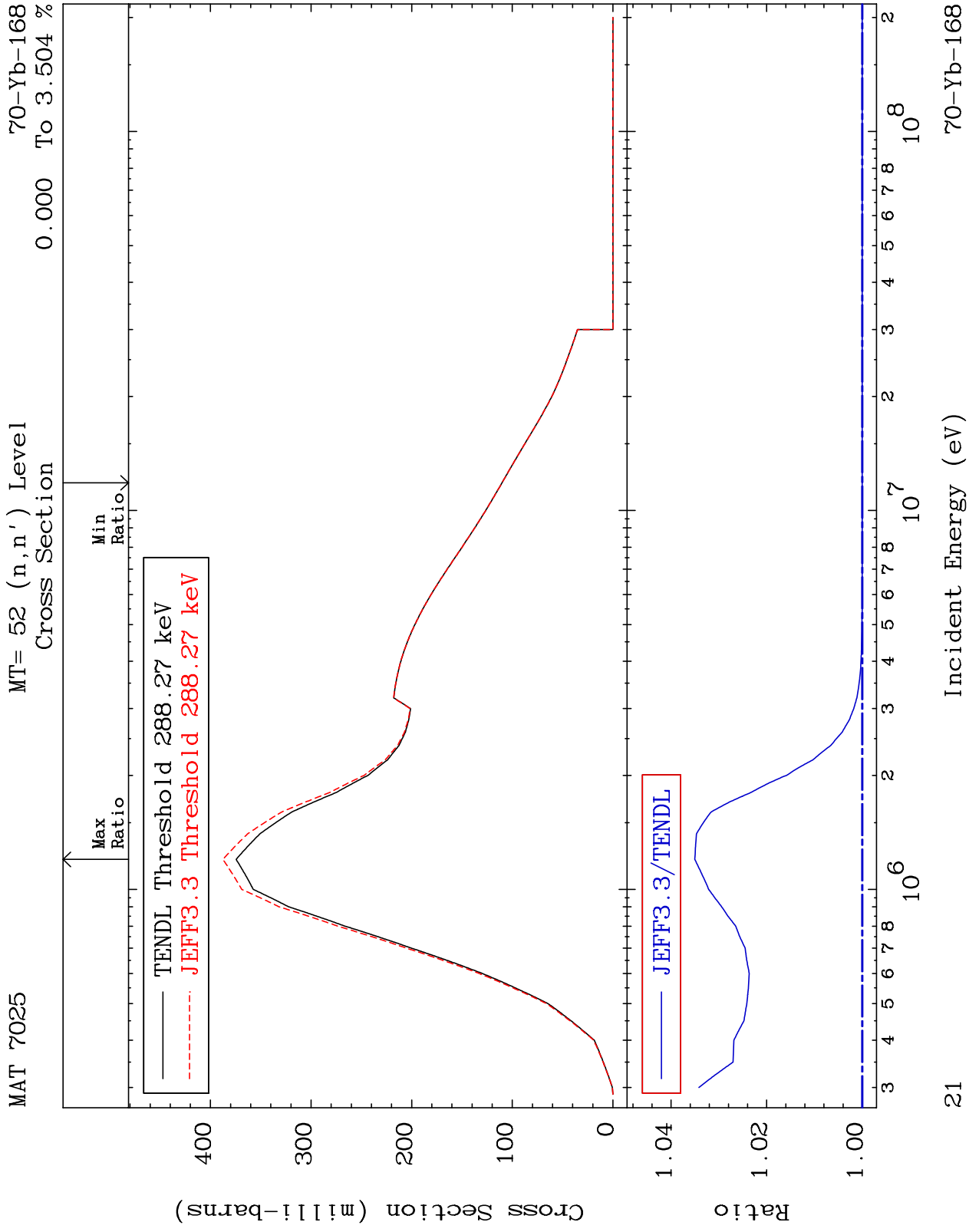
70-Yb-168
0.000 To 2.827 %



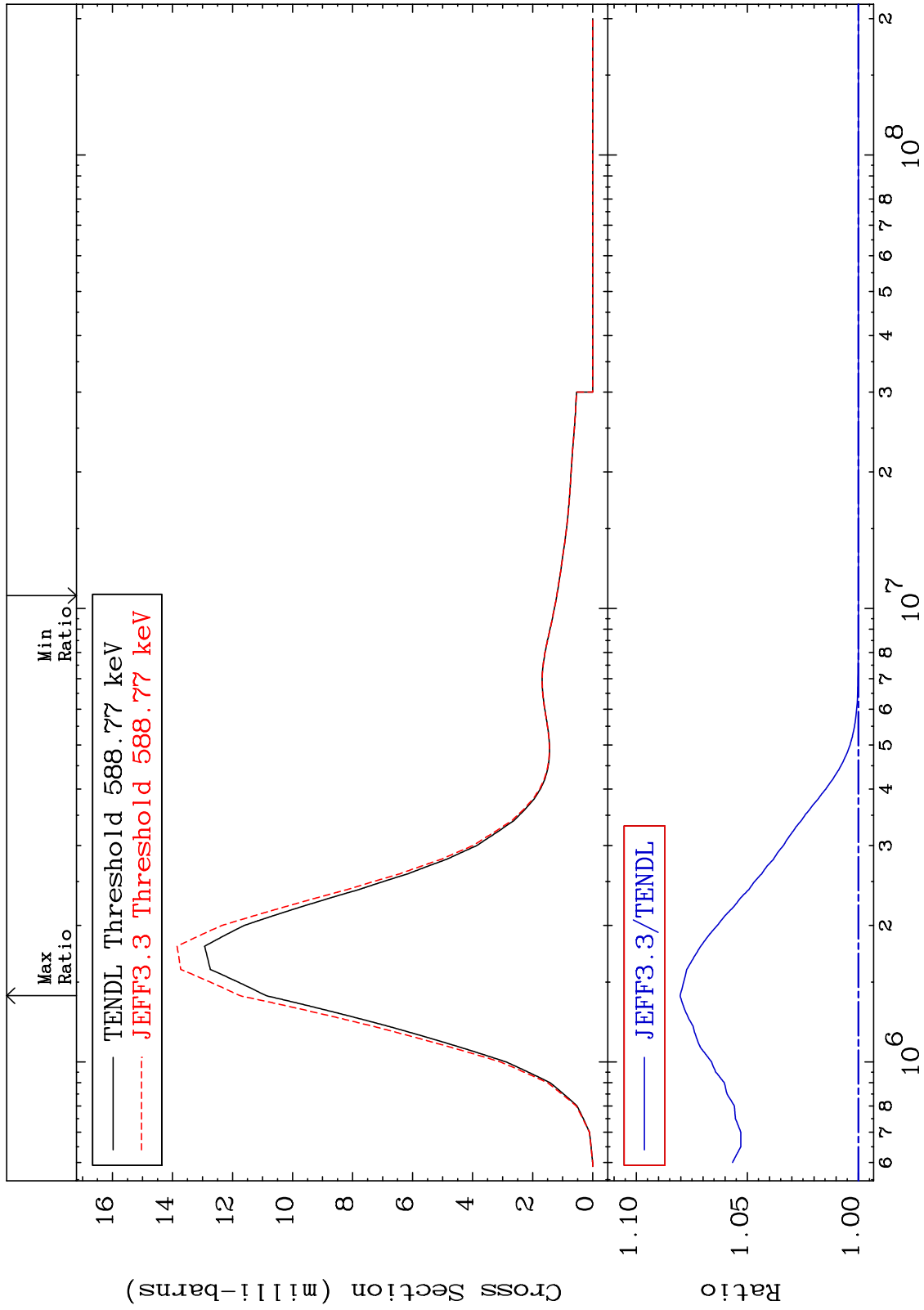
70-Yb-168

Incident Energy (eV)

20



MAT 7025 MT= 53 (n, n') Level Cross Section 70-Yb-168 To 8.033 %
 0.000

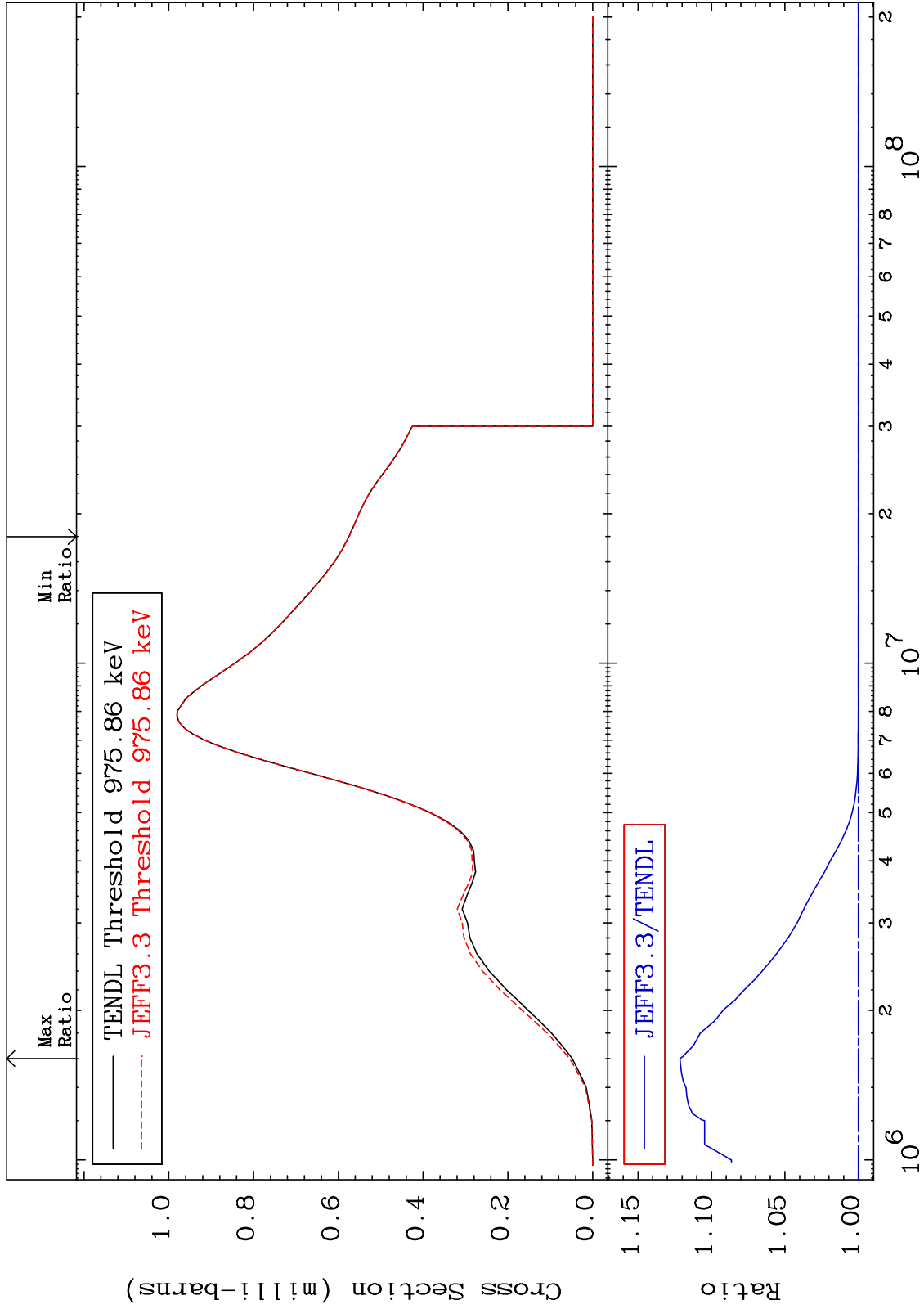


Incident Energy (eV) 70-Yb-168

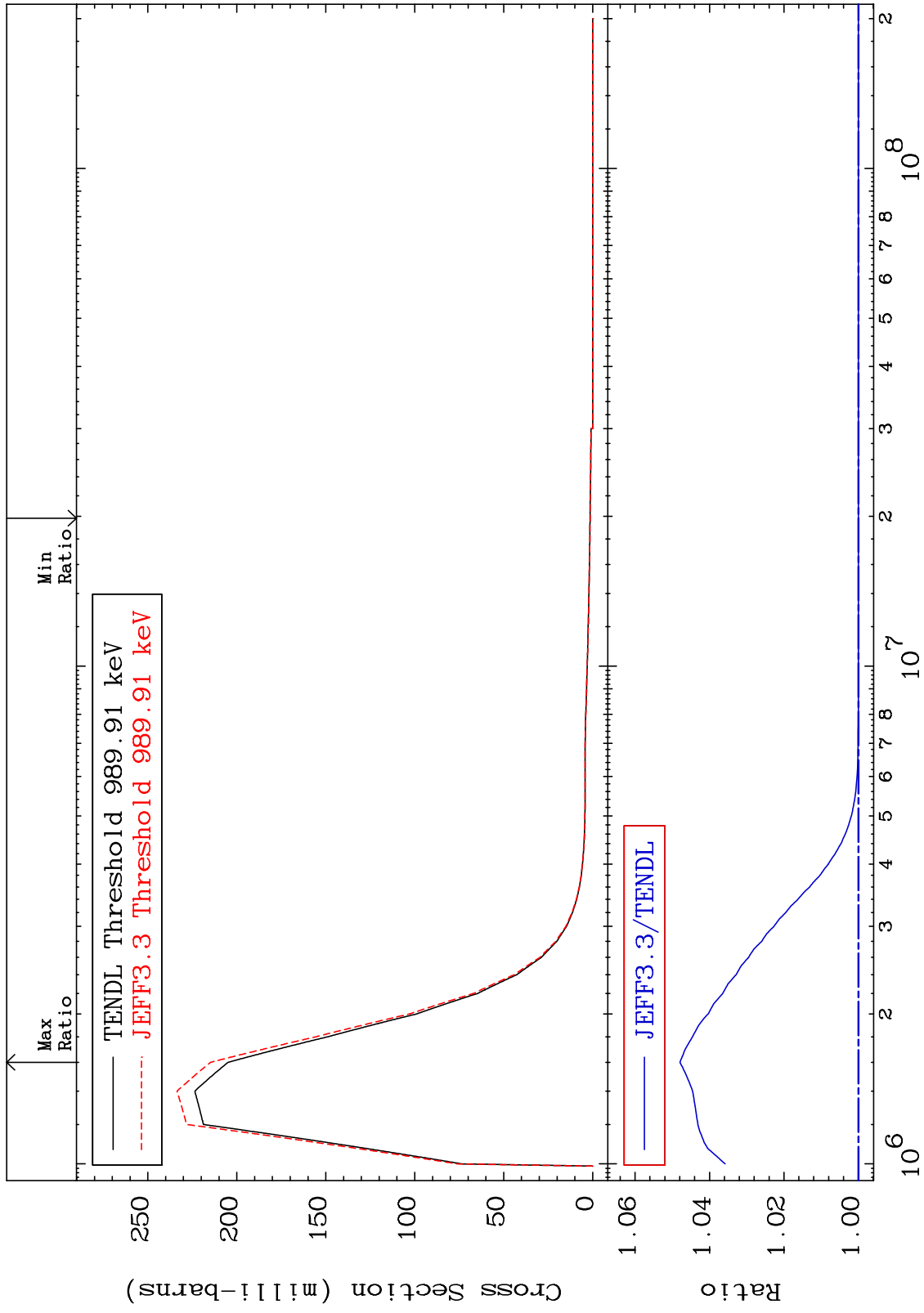
MAT 7025

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

0.000 To 12.14 %
70-Yb-168



MAT 7025 MT= 55 (n, n') Level Cross Section 70-Yb-168 To 4.792 %
0.000

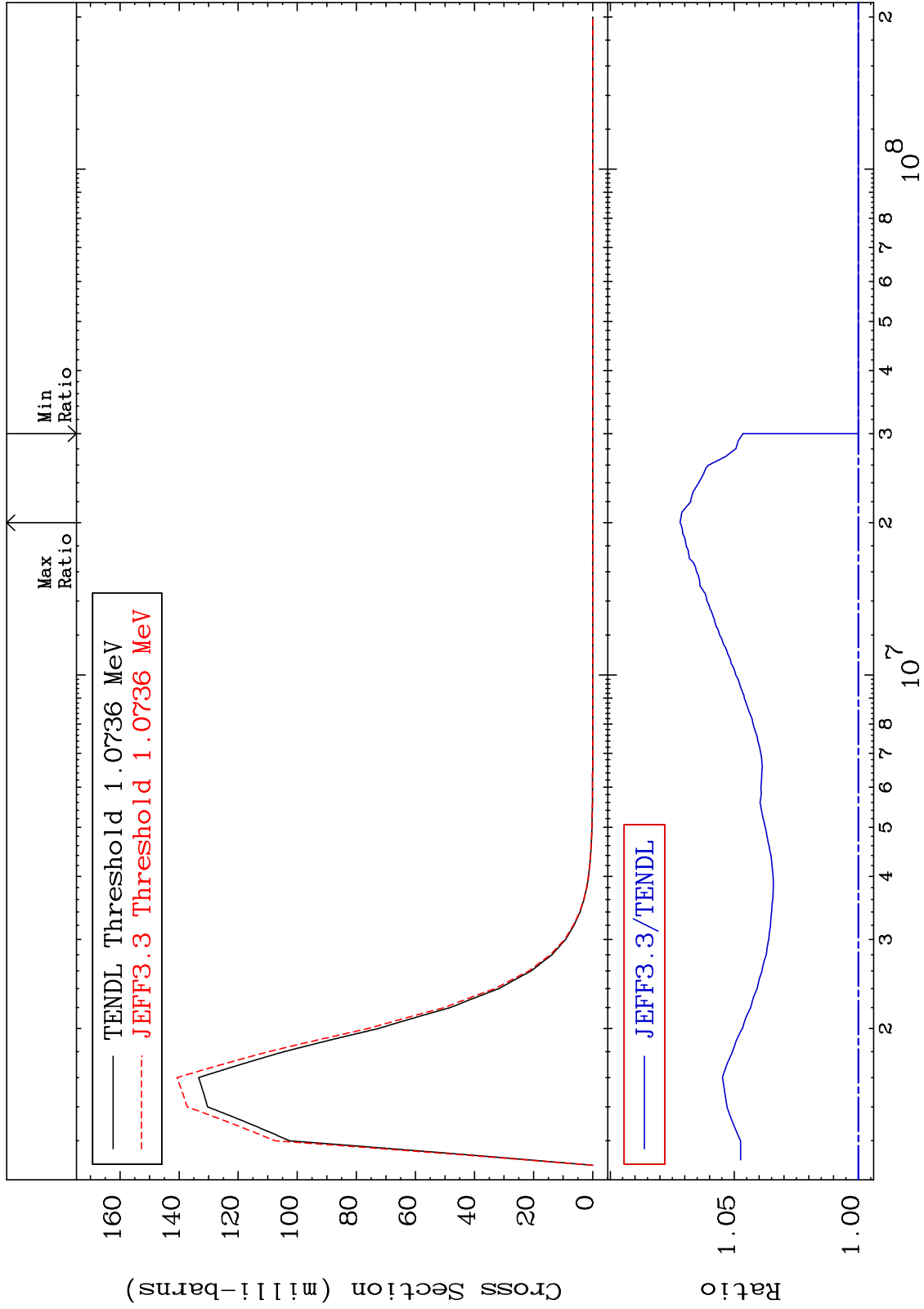


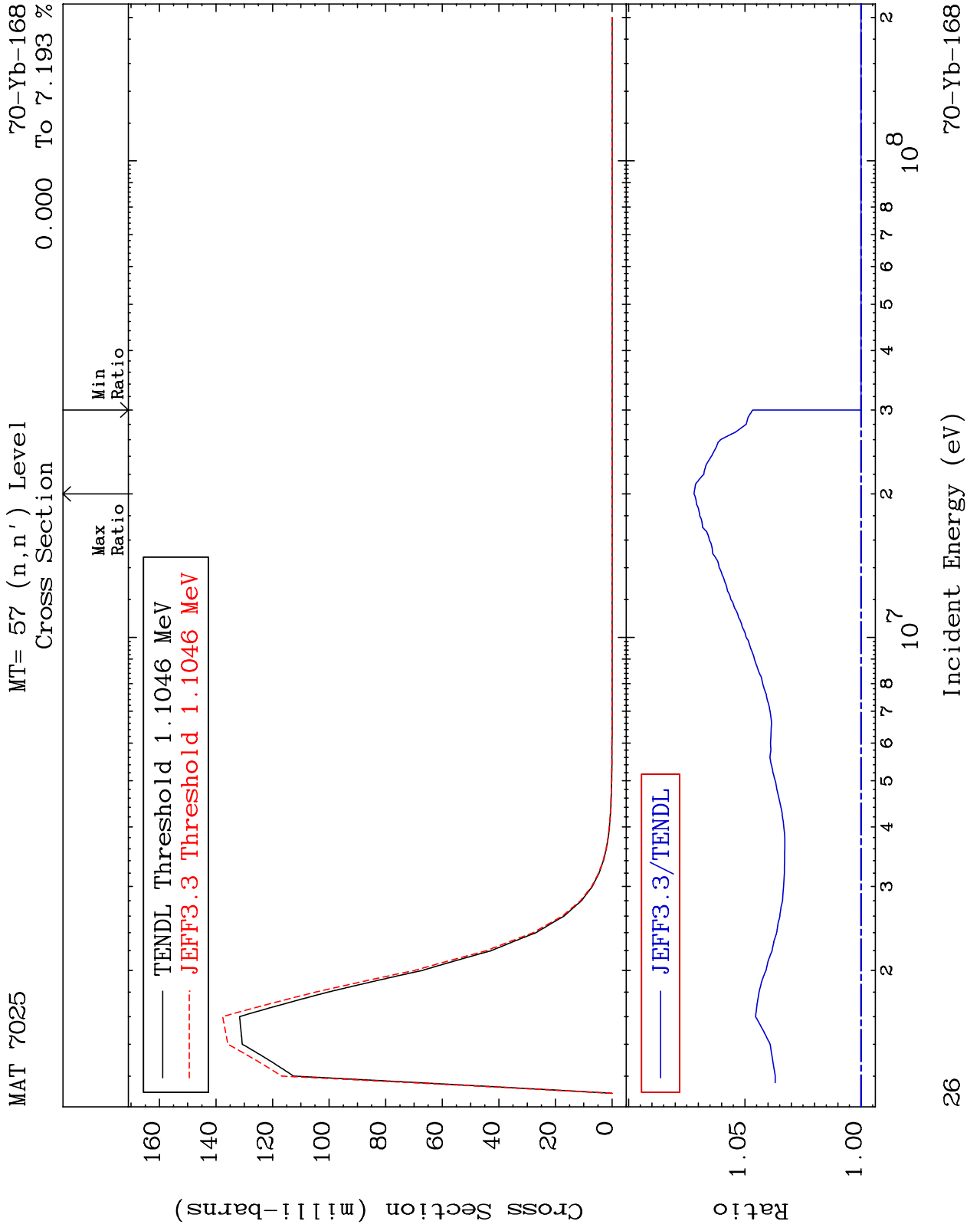
24 70-Yb-168

MAT 7025

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

70-Yb-168
To 7.189 %
0.000

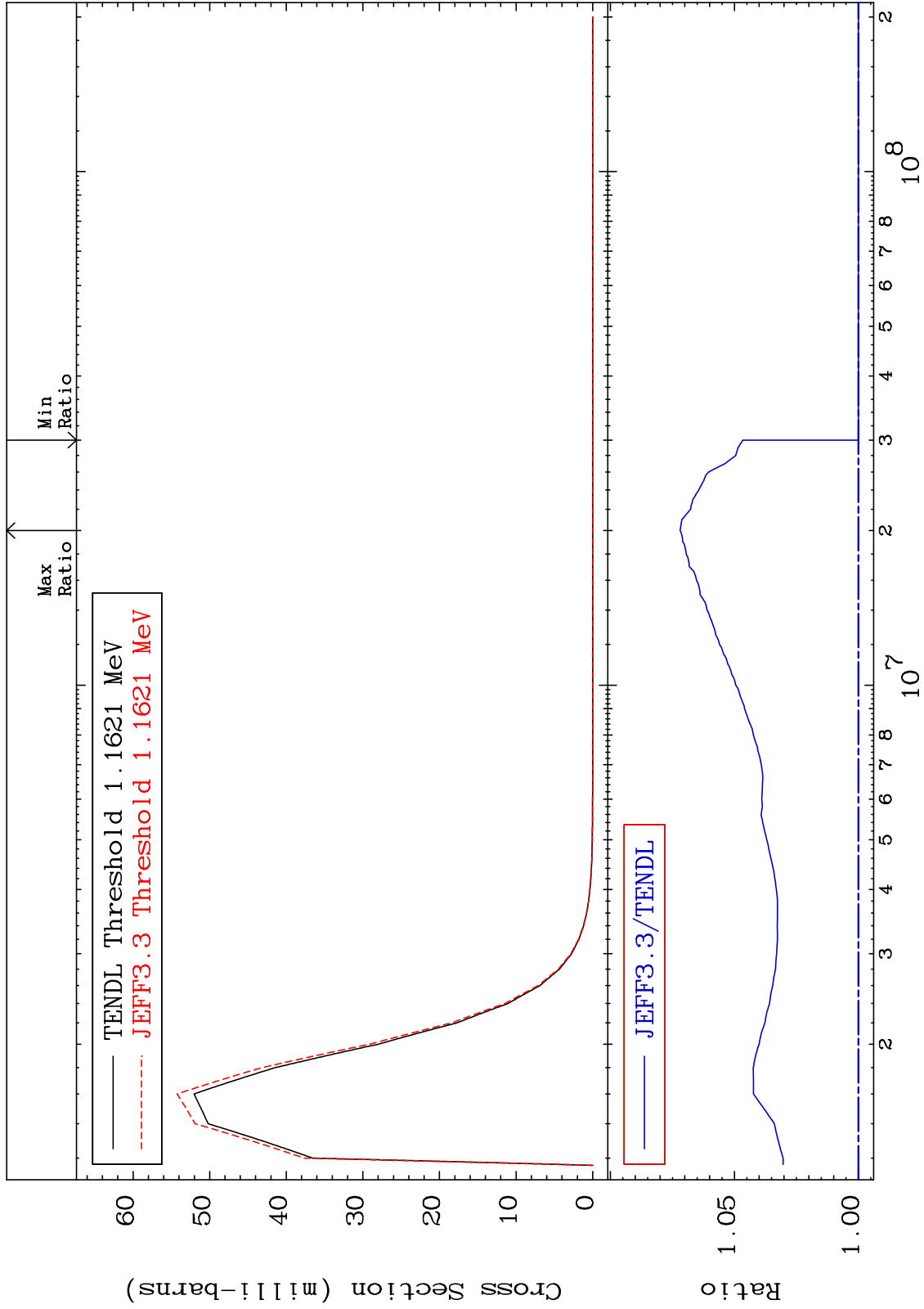


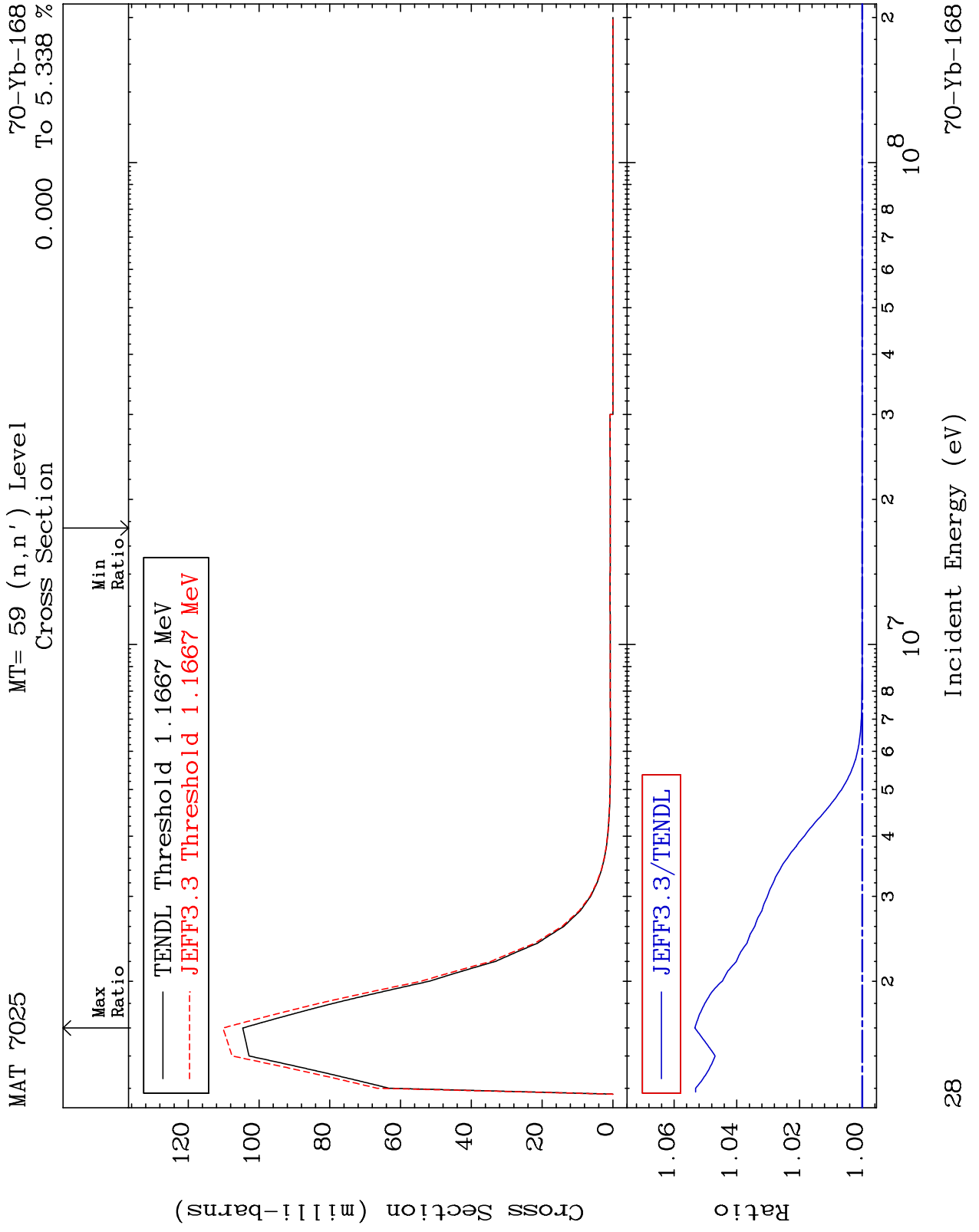


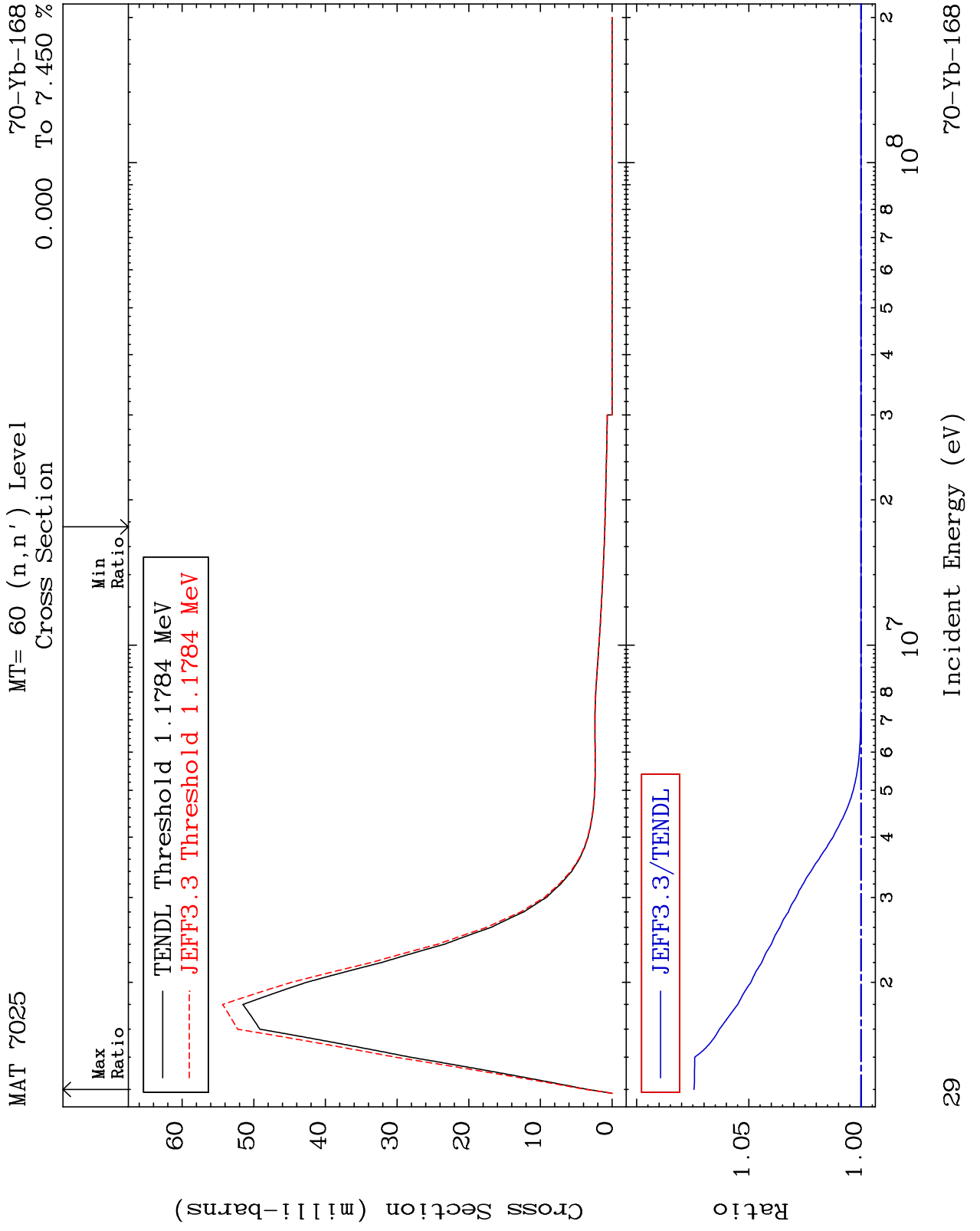
MAT 7025

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

70-Yb-168
To 7.194 %
0.000



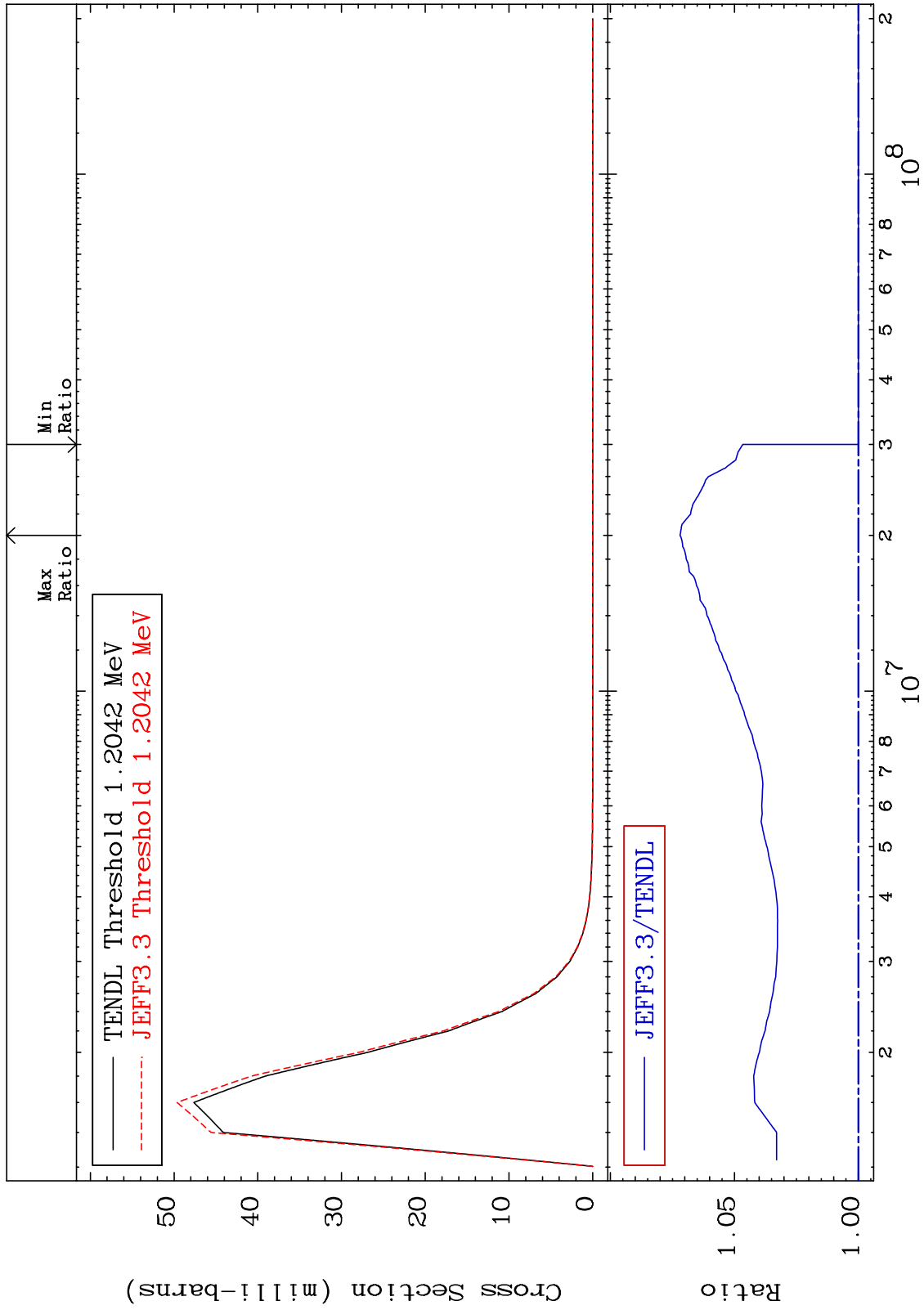




MAT 7025

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

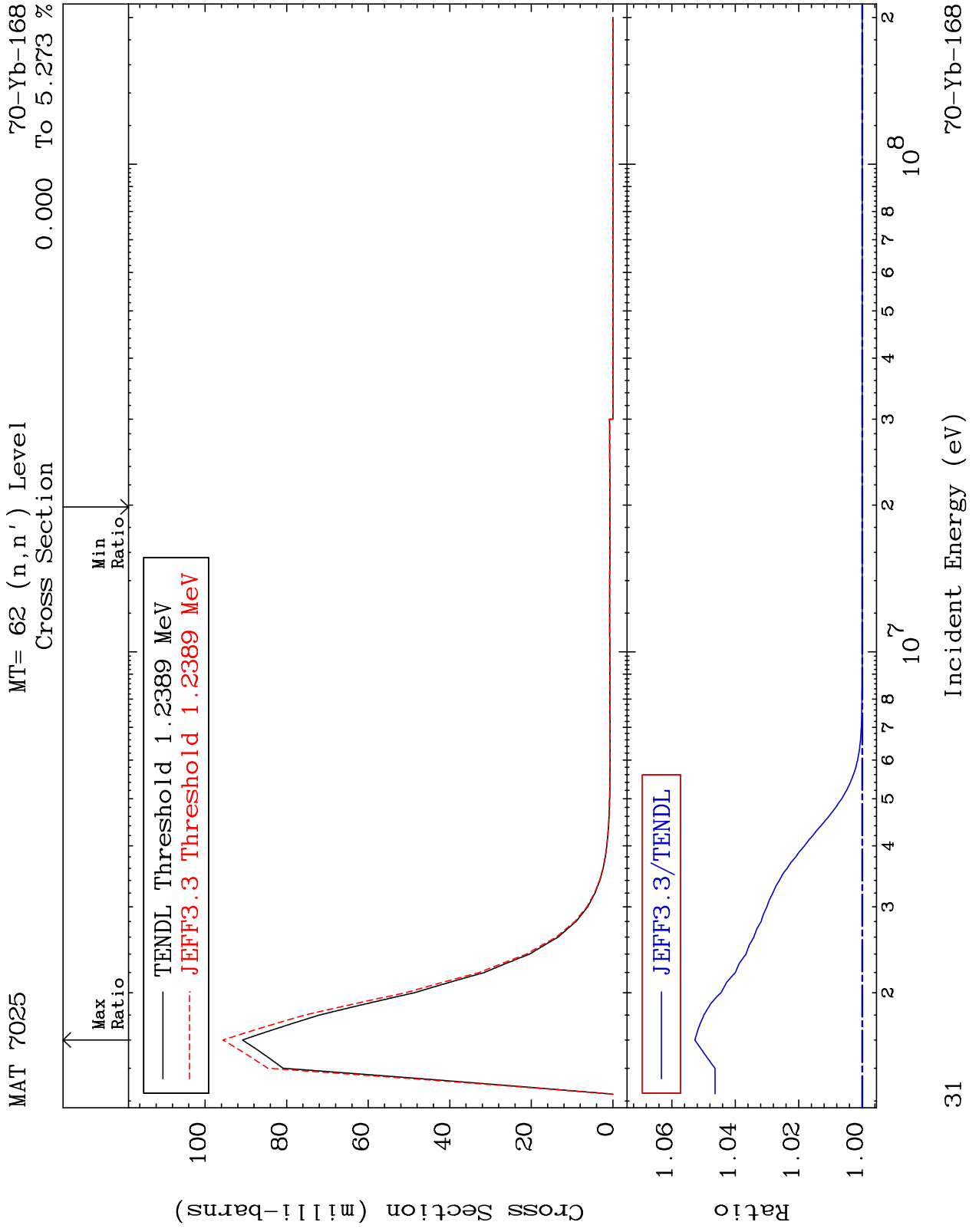
70-Yb-168
To 7.194 %
0.000

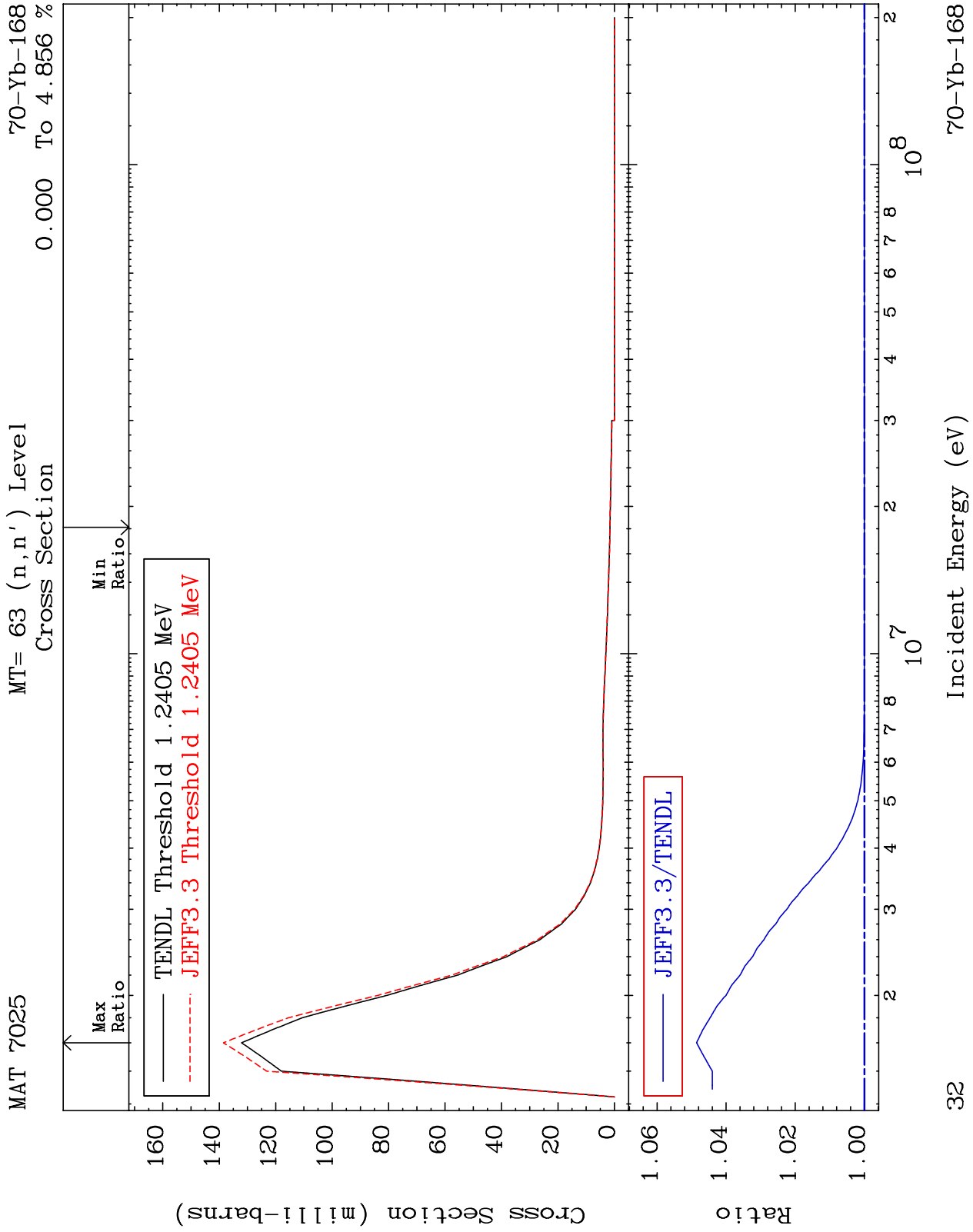


30

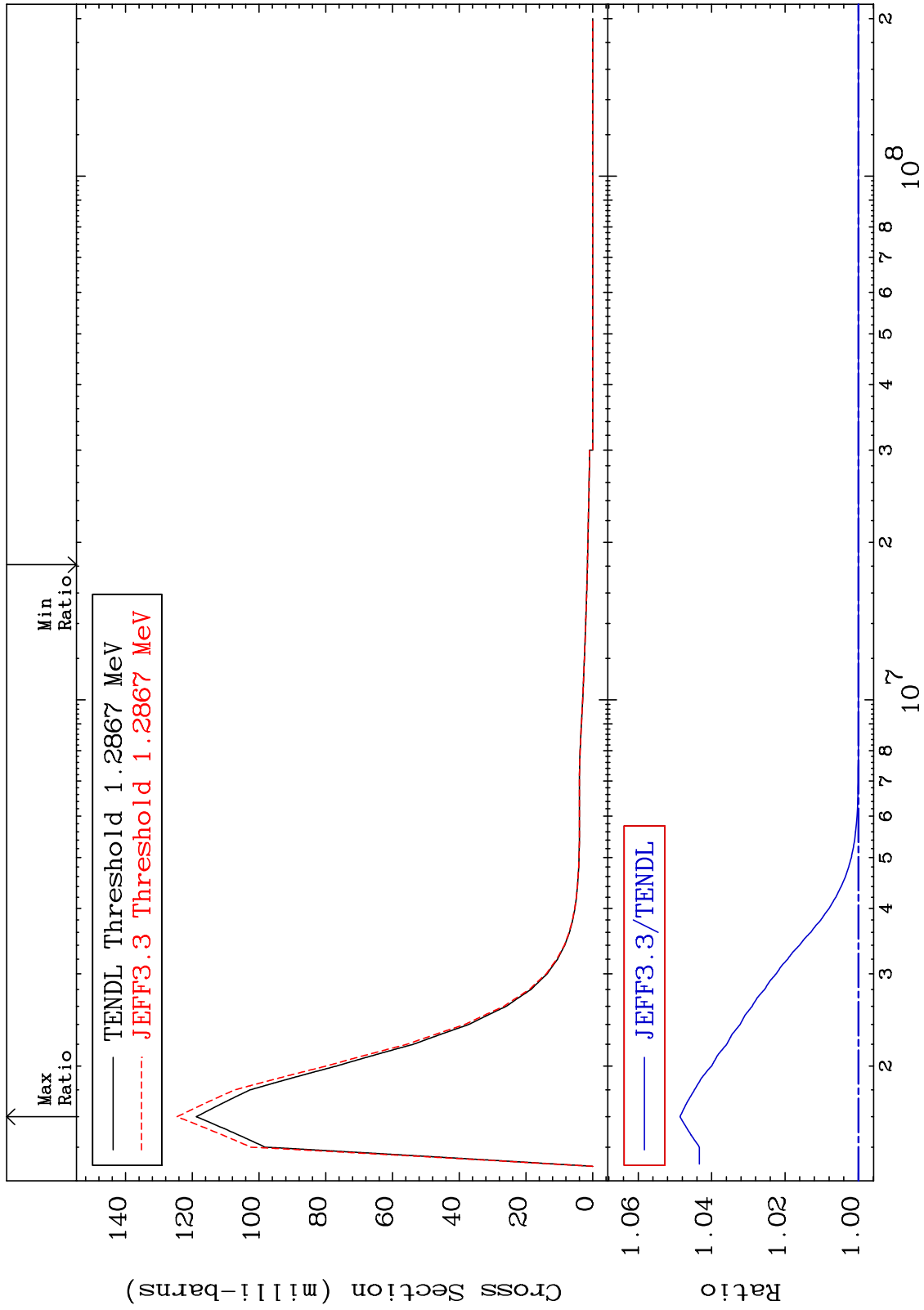
Incident Energy (eV)

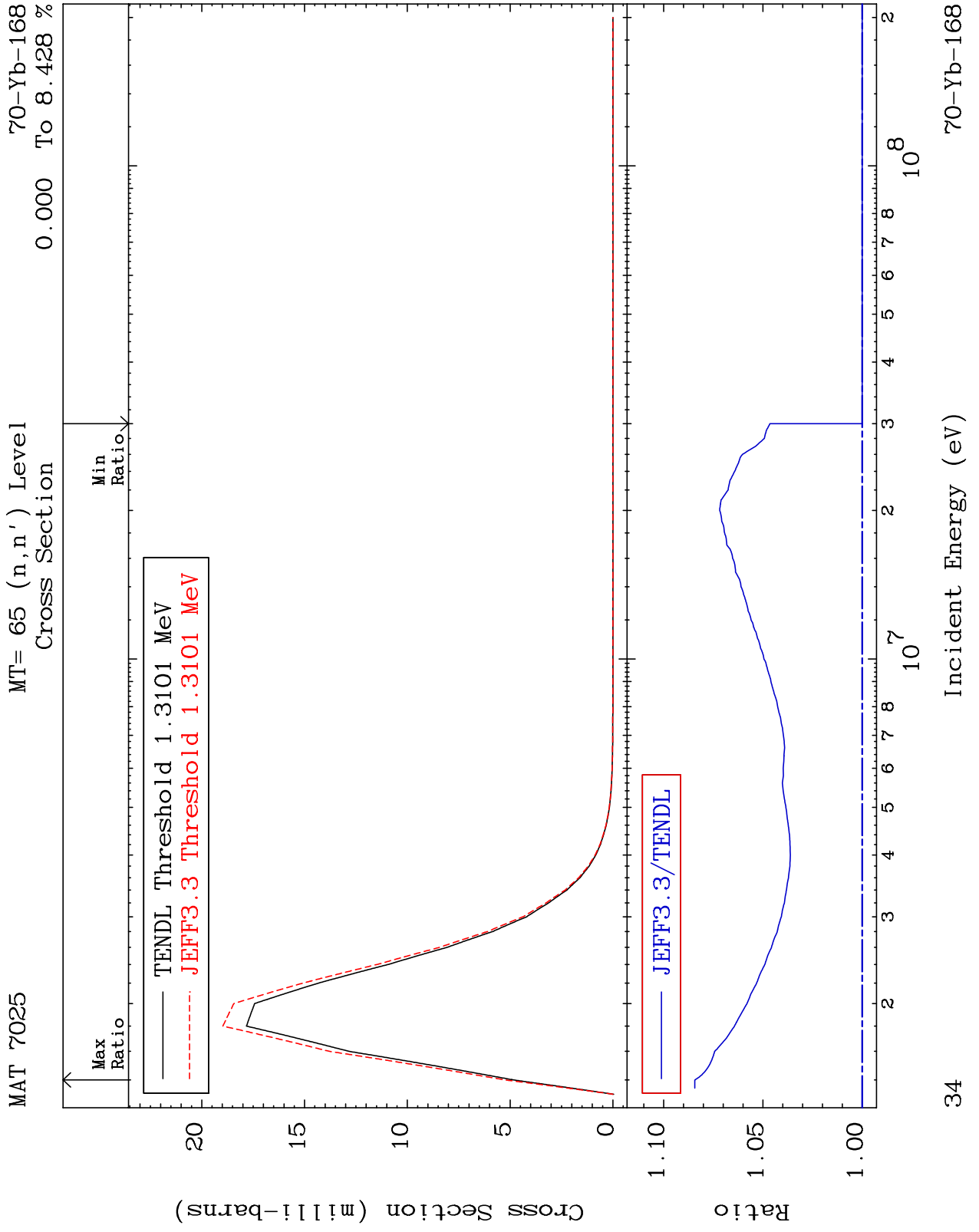
70-Yb-168





MAT 7025 MT= 64 (n,n') Level Cross Section 70-Yb-168 To 4.862 %
 0.000

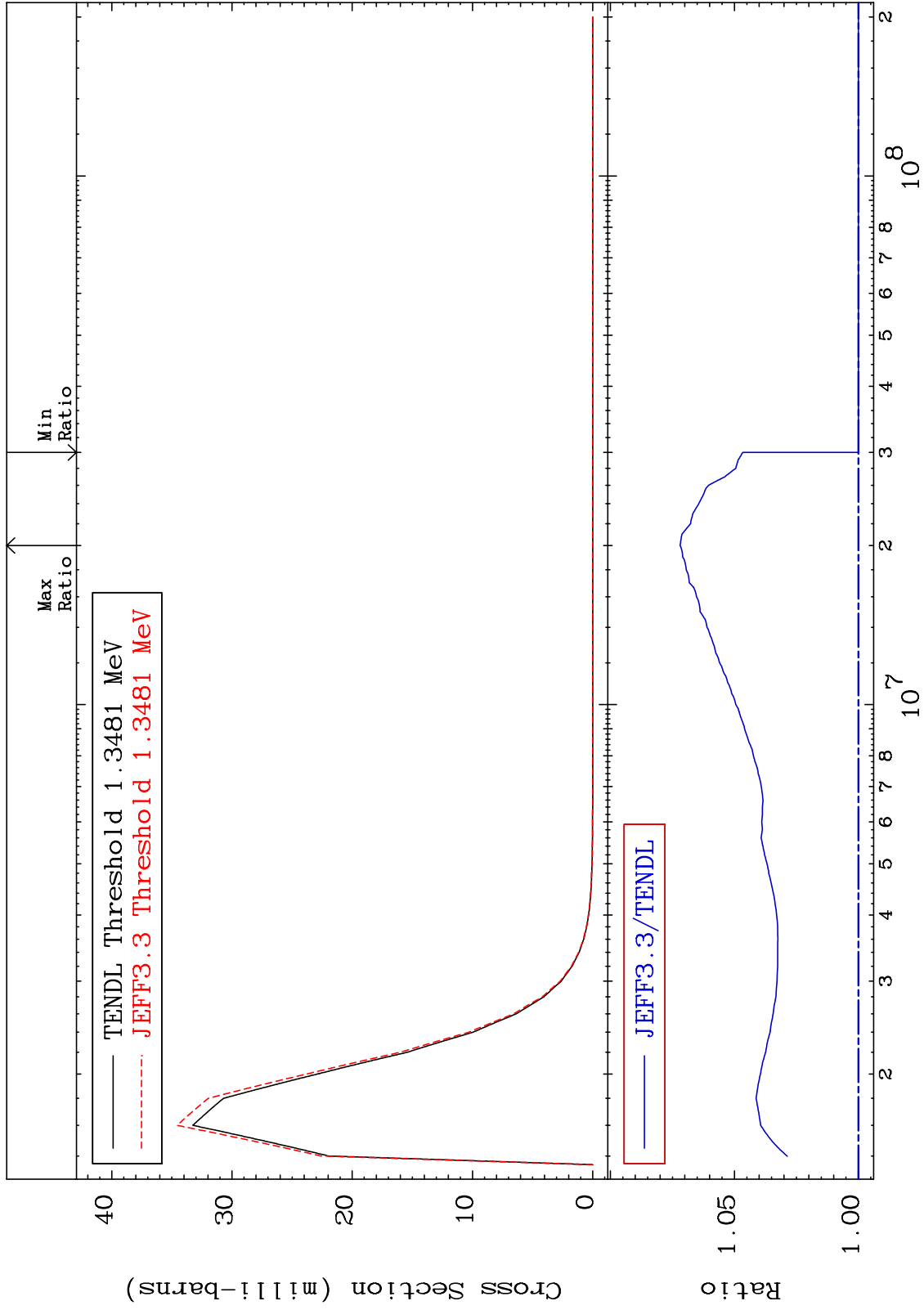




MAT 7025

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

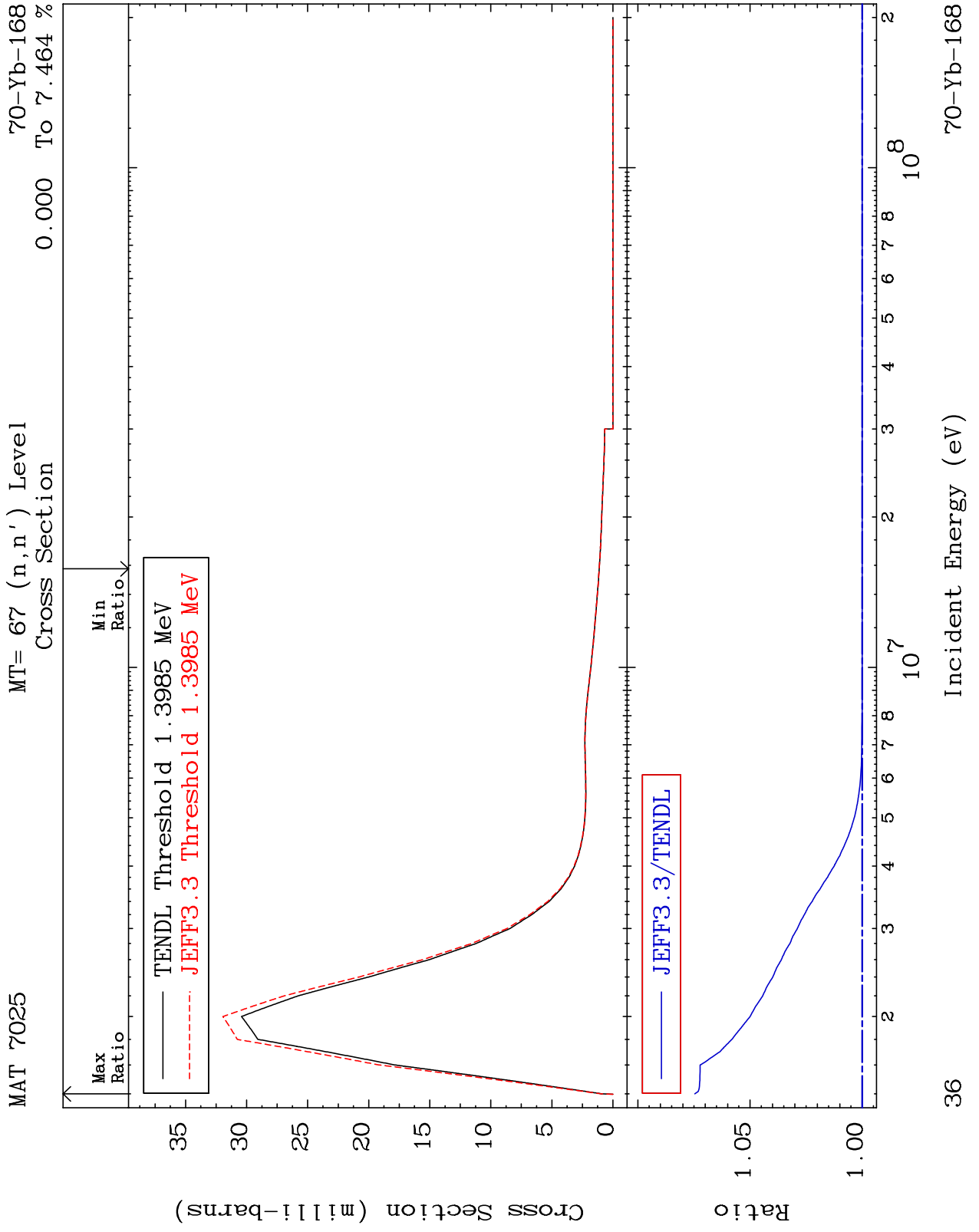
70-Yb-168
To 7.194 %
0.000

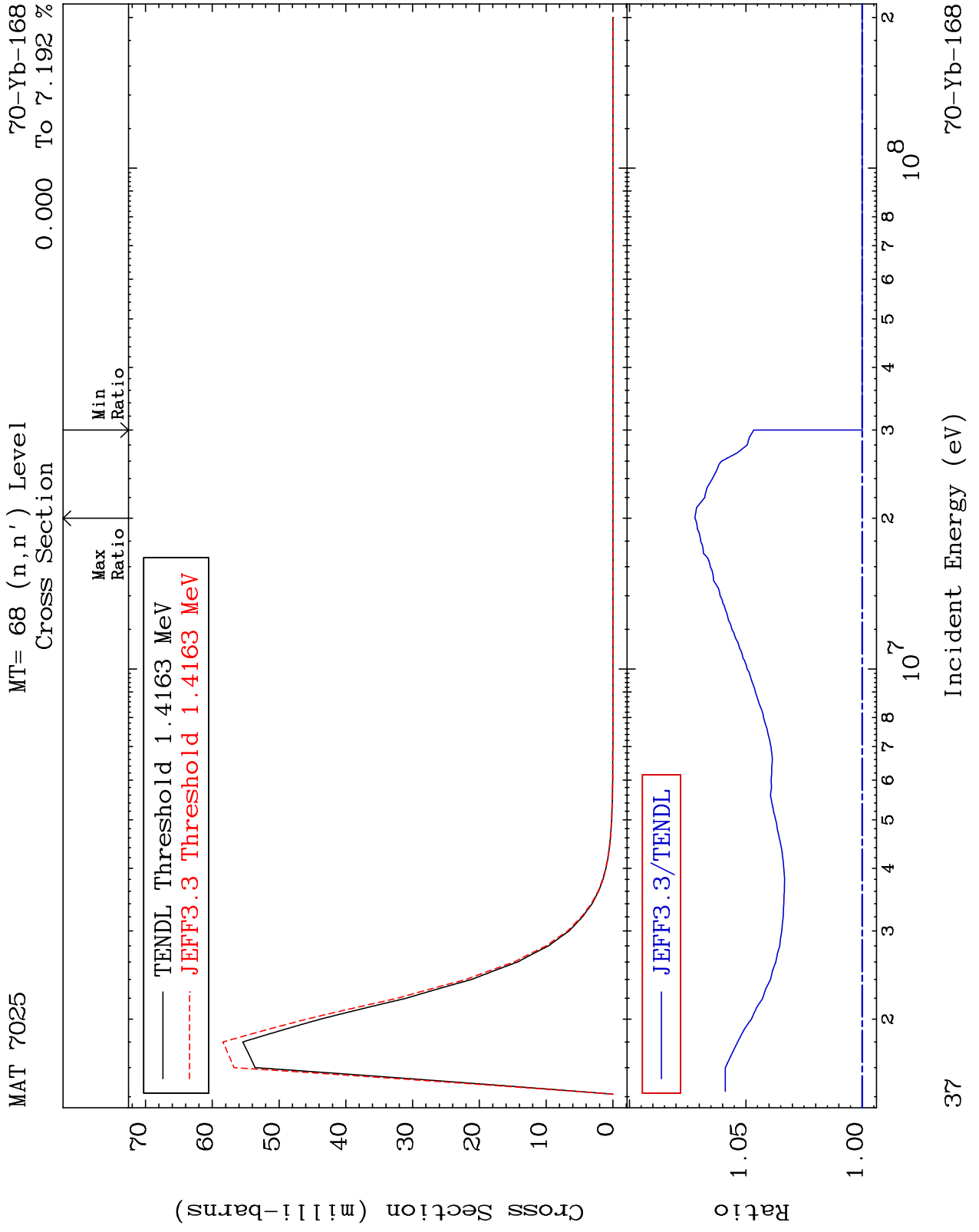


35

Incident Energy (eV)

70-Yb-168

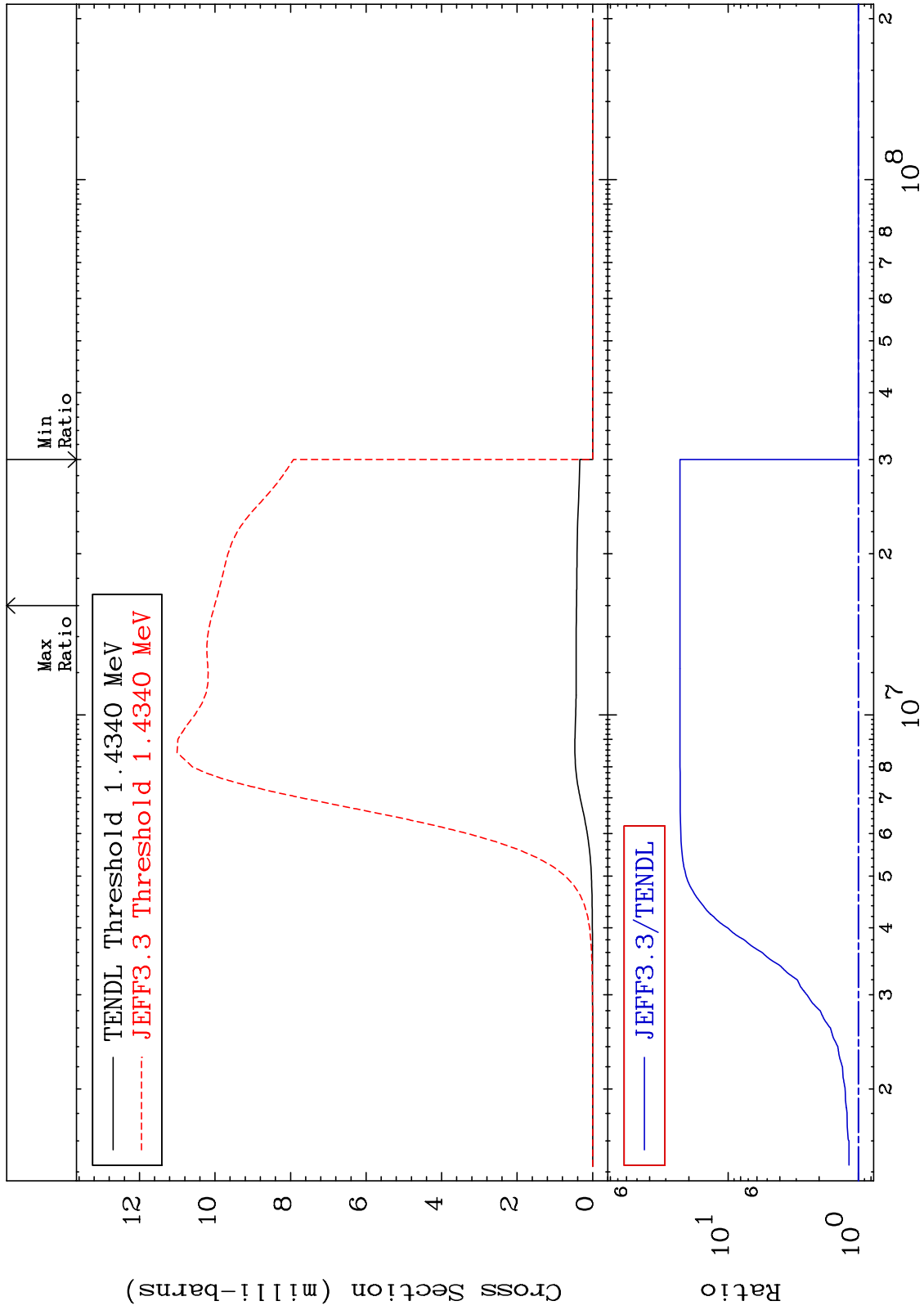




MAT 7025

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

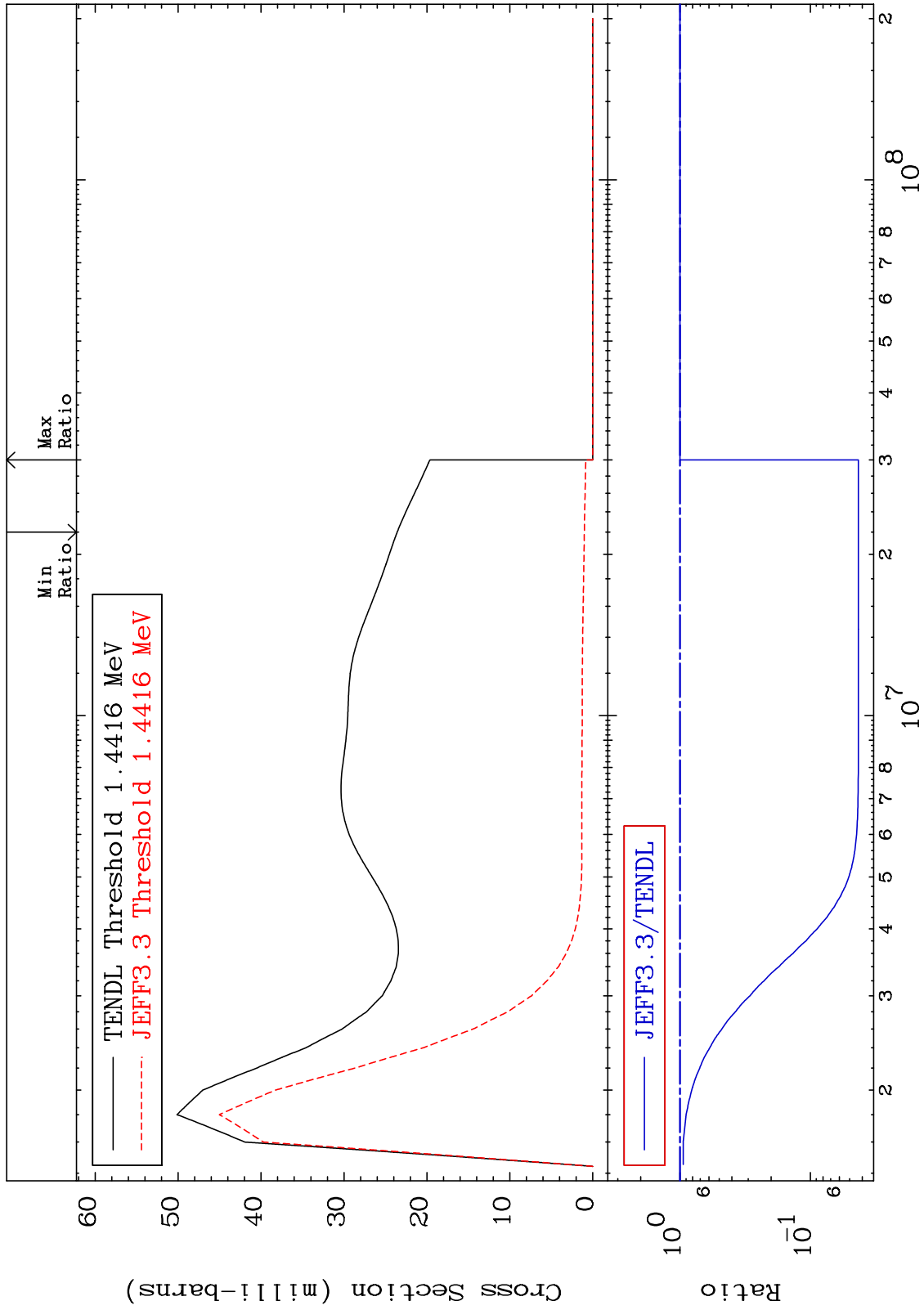
70-Yb-168
To 2236. %
0.000



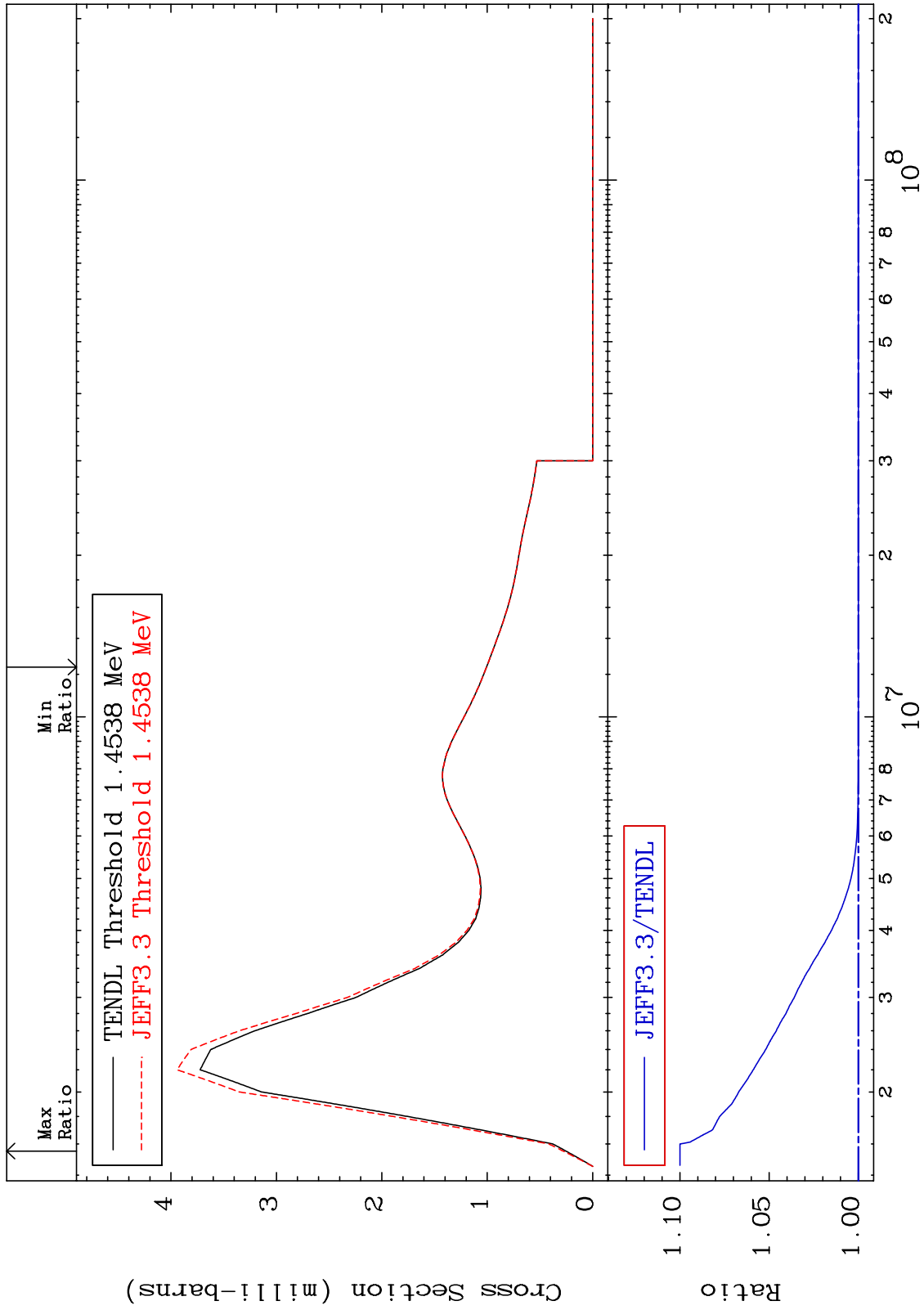
MAT 7025

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

70-Yb-168
-95.72 To 0.000 %

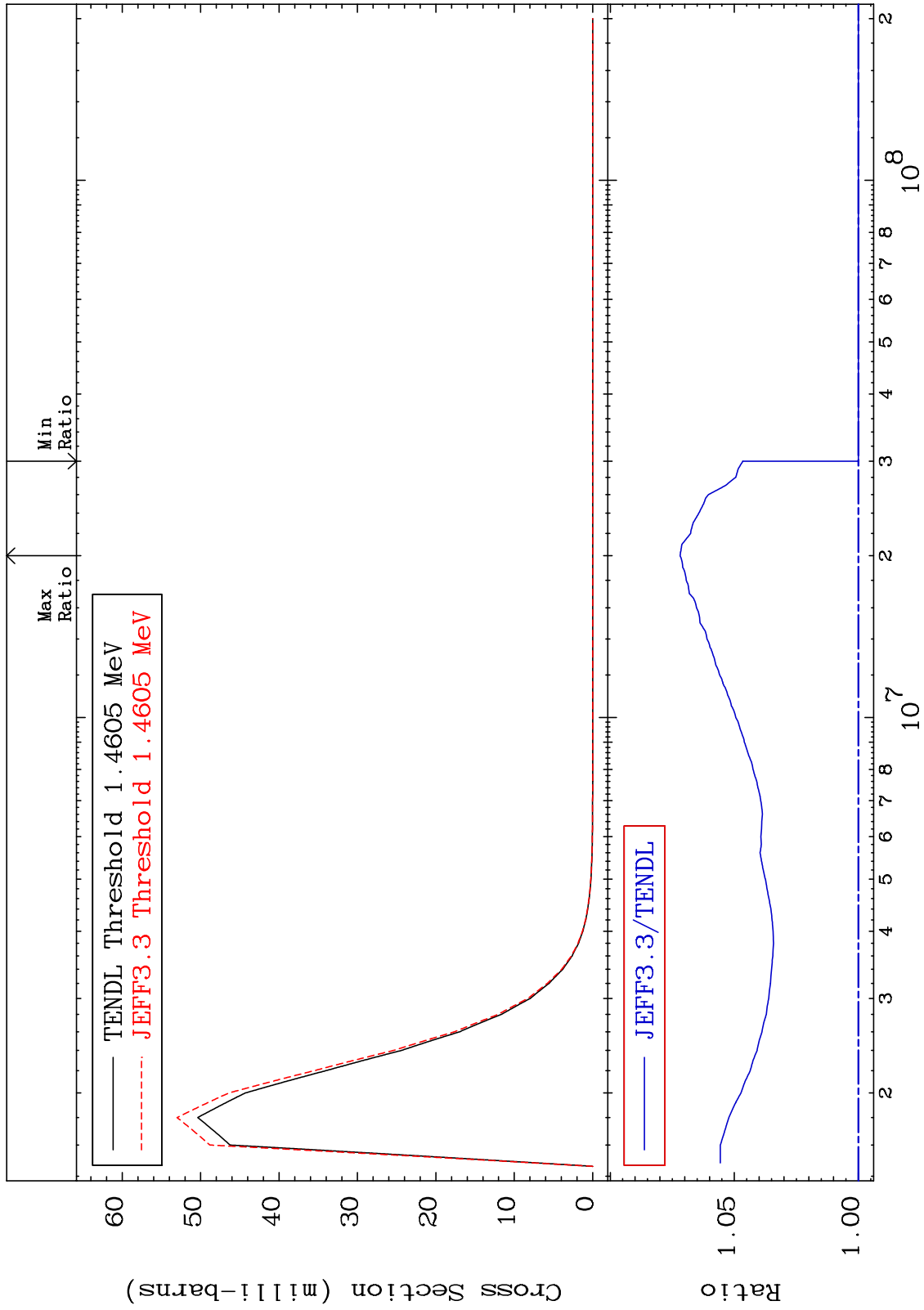


MAT 7025 MT= 71 (n,n') Level Cross Section 70-Yb-168 To 9.993 %
0.000

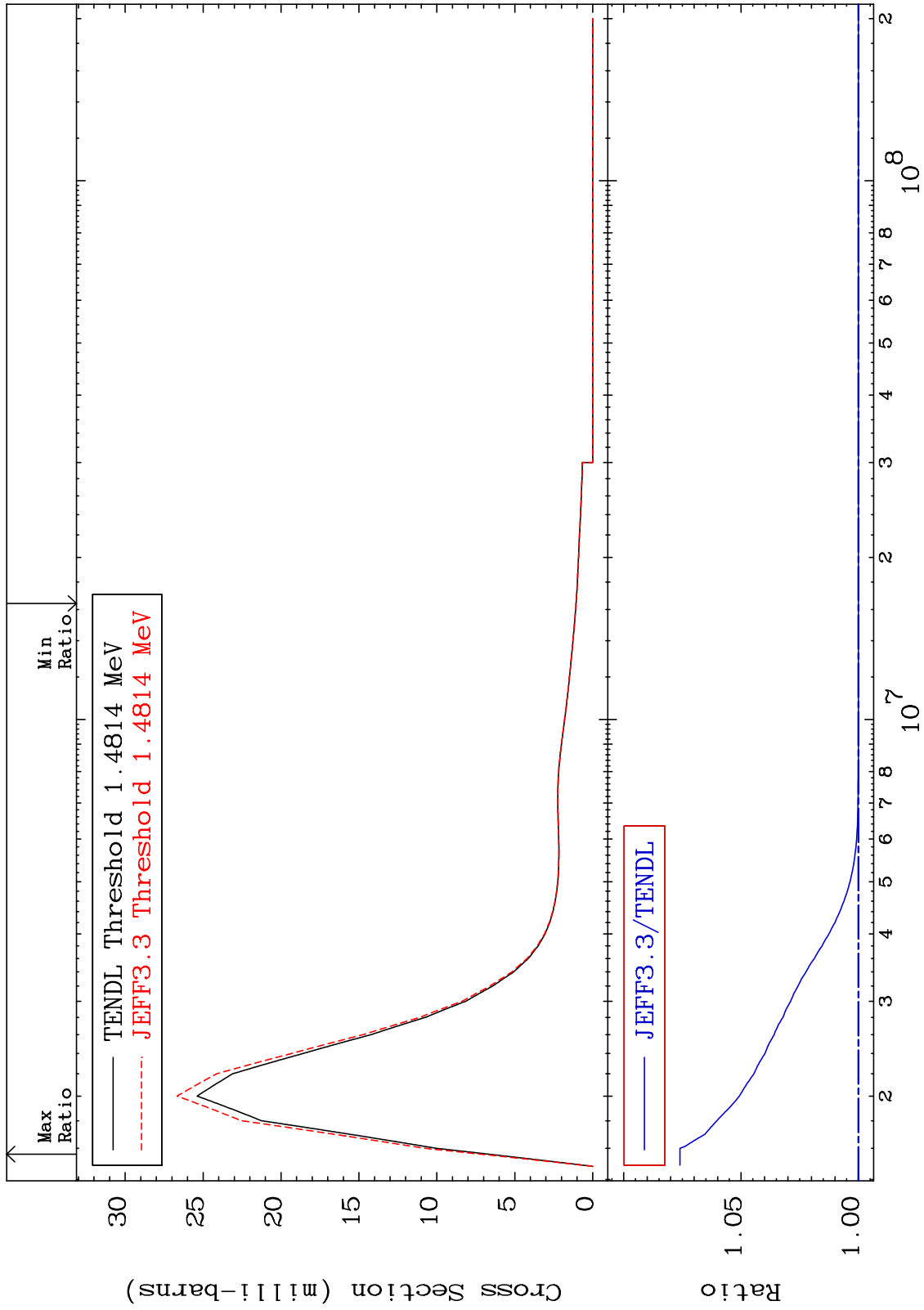


40 Incident Energy (eV) 70-Yb-168

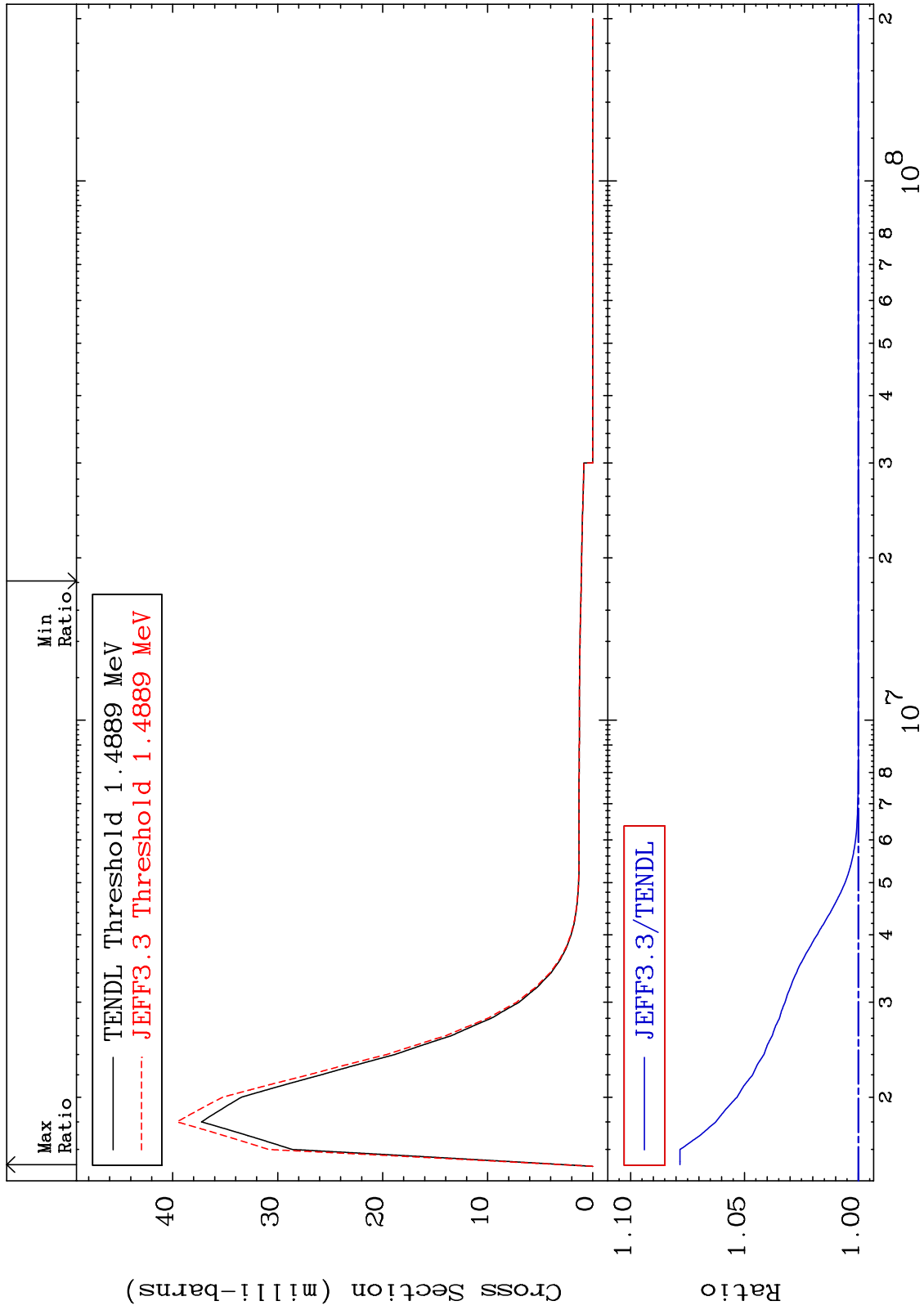
MAT 7025 MT= 72 (n, n') Level Cross Section 70-Yb-168 To 7.189 %
 0.000

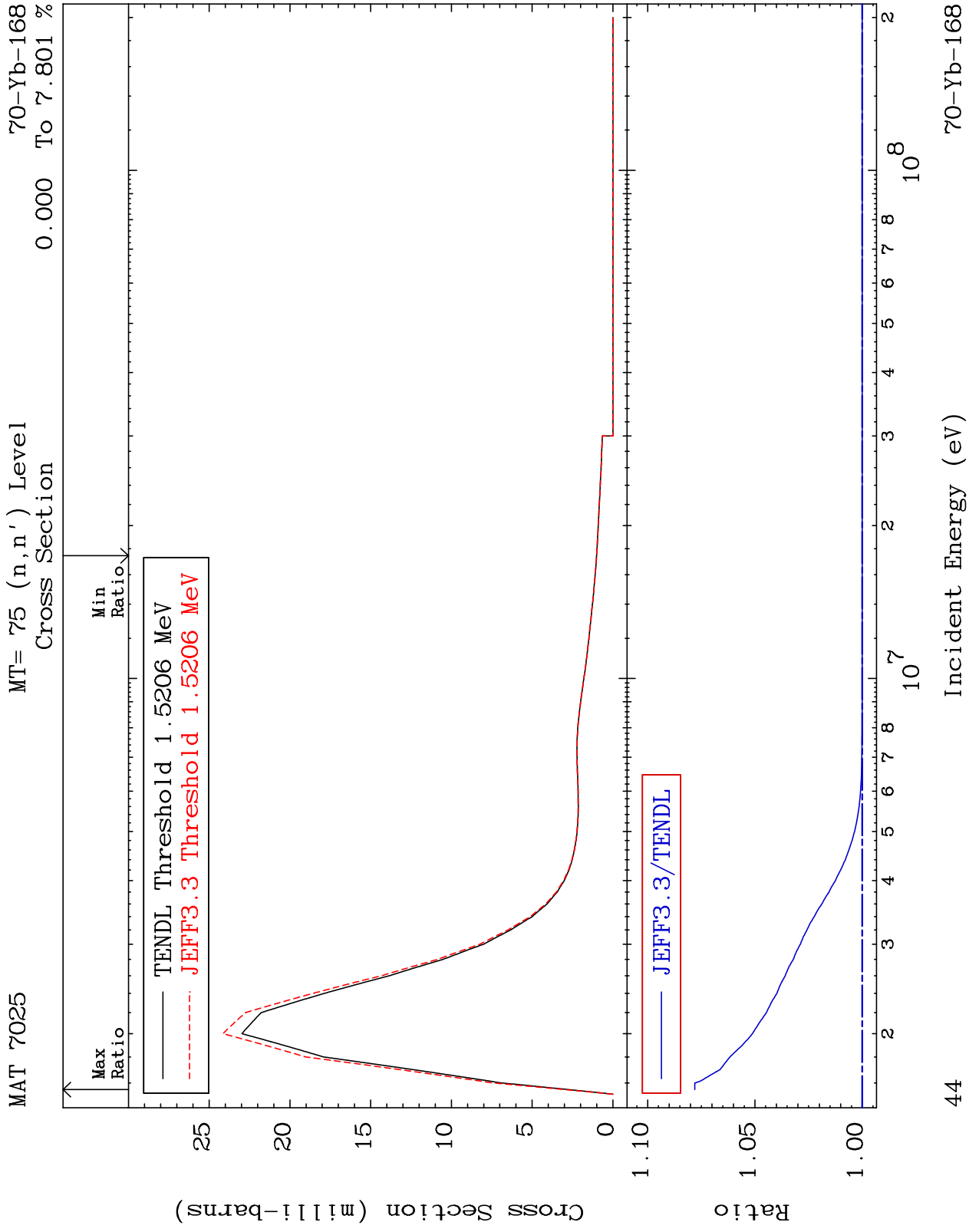


MAT 7025 MT= 73 (n,n') Level Cross Section 70-Yb-168 To 7.601 %



MAT 7025 MT= 74 (n,n') Level Cross Section 70-Yb-168 To 7.829 %

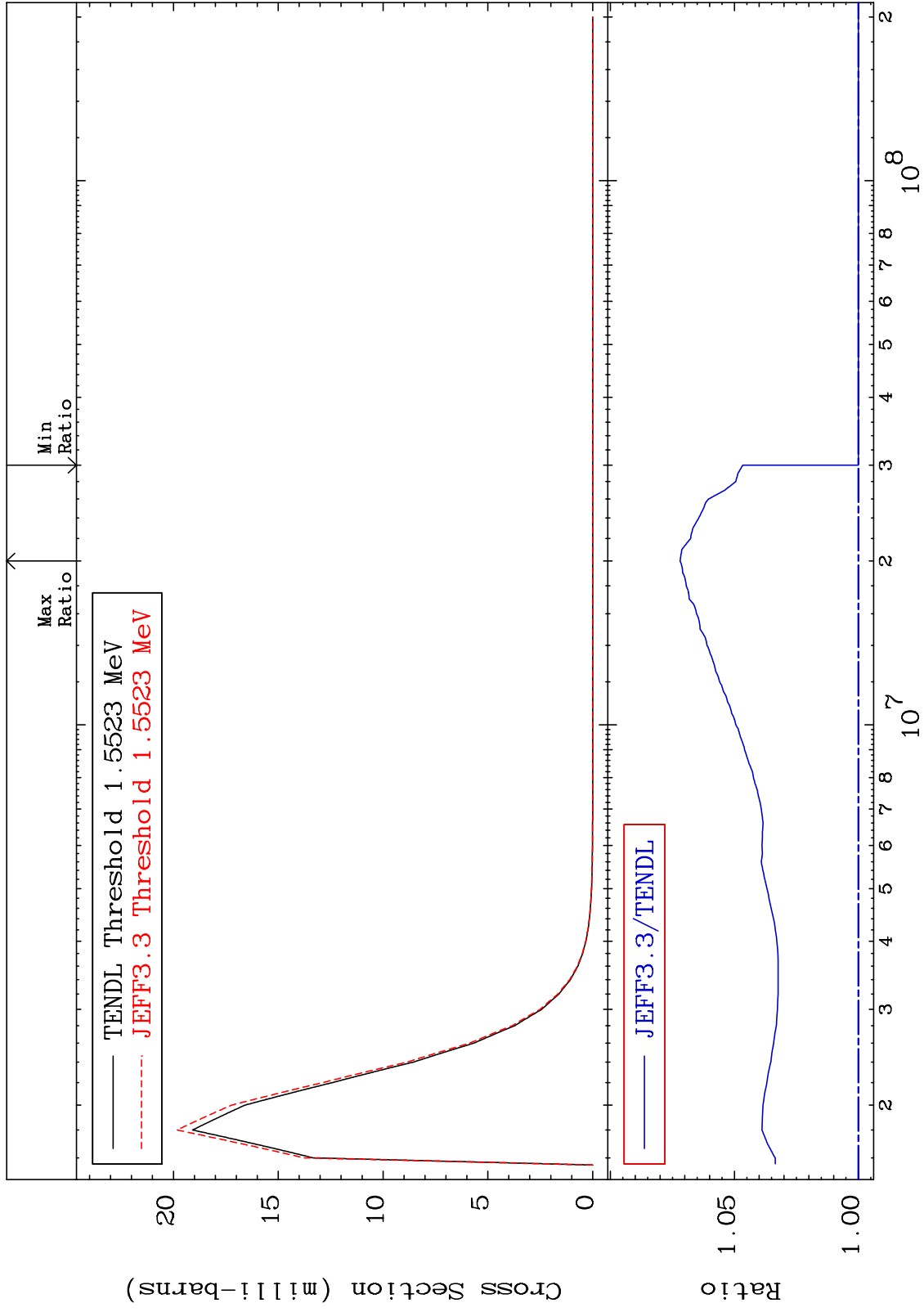




MAT 7025

MT= 76 (n,n') Level
Cross Section

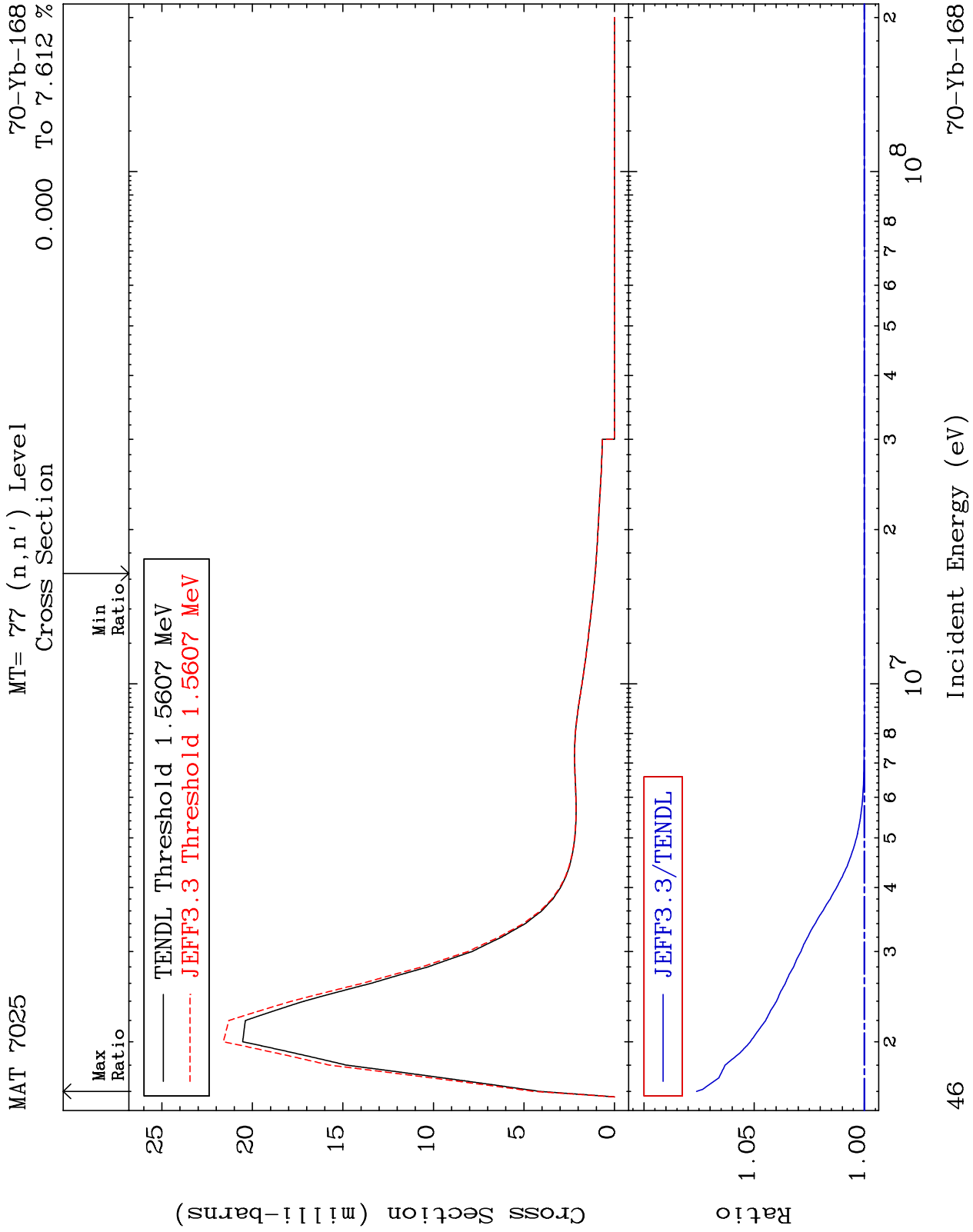
70-Yb-168
To 7.194 %
0.000

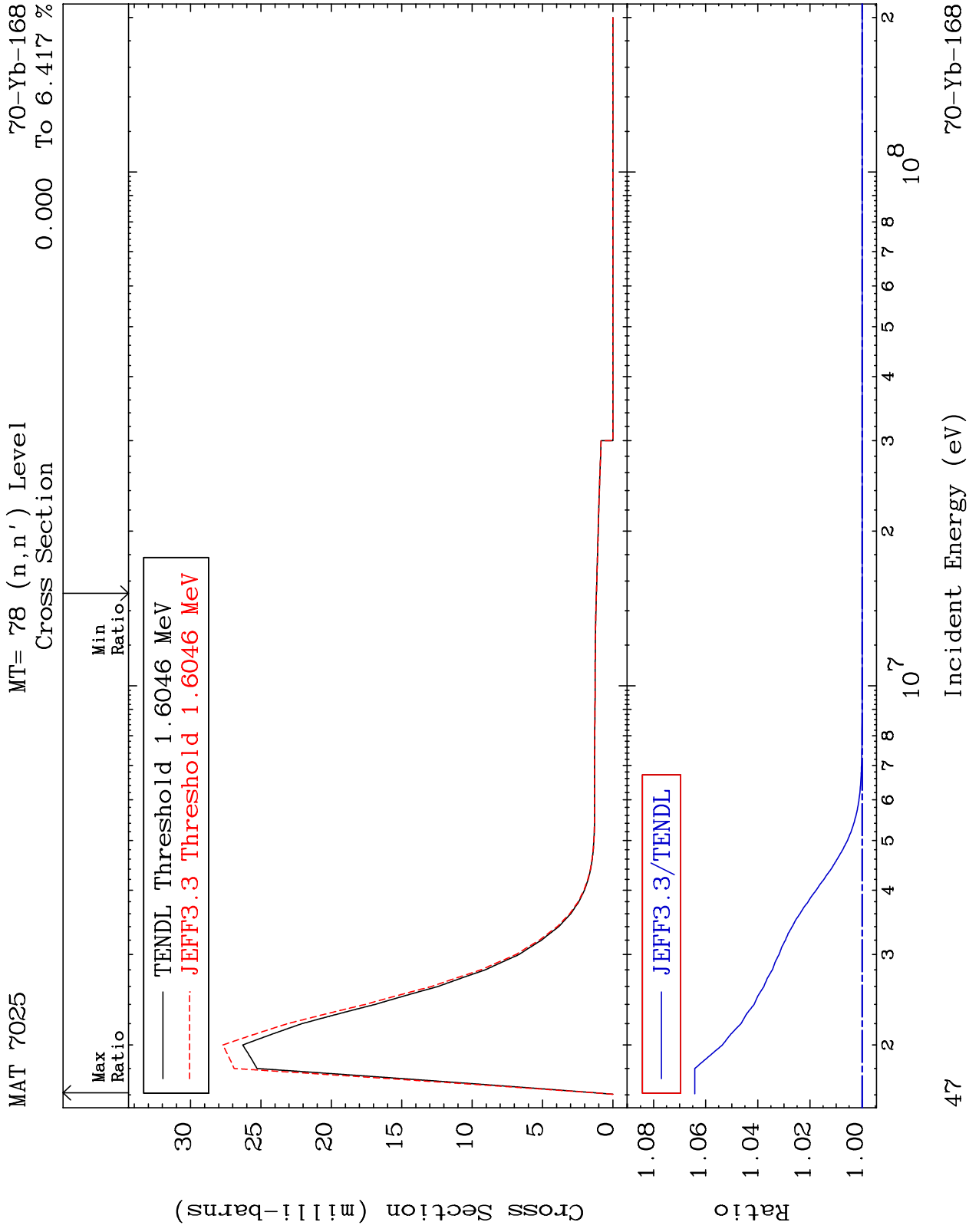


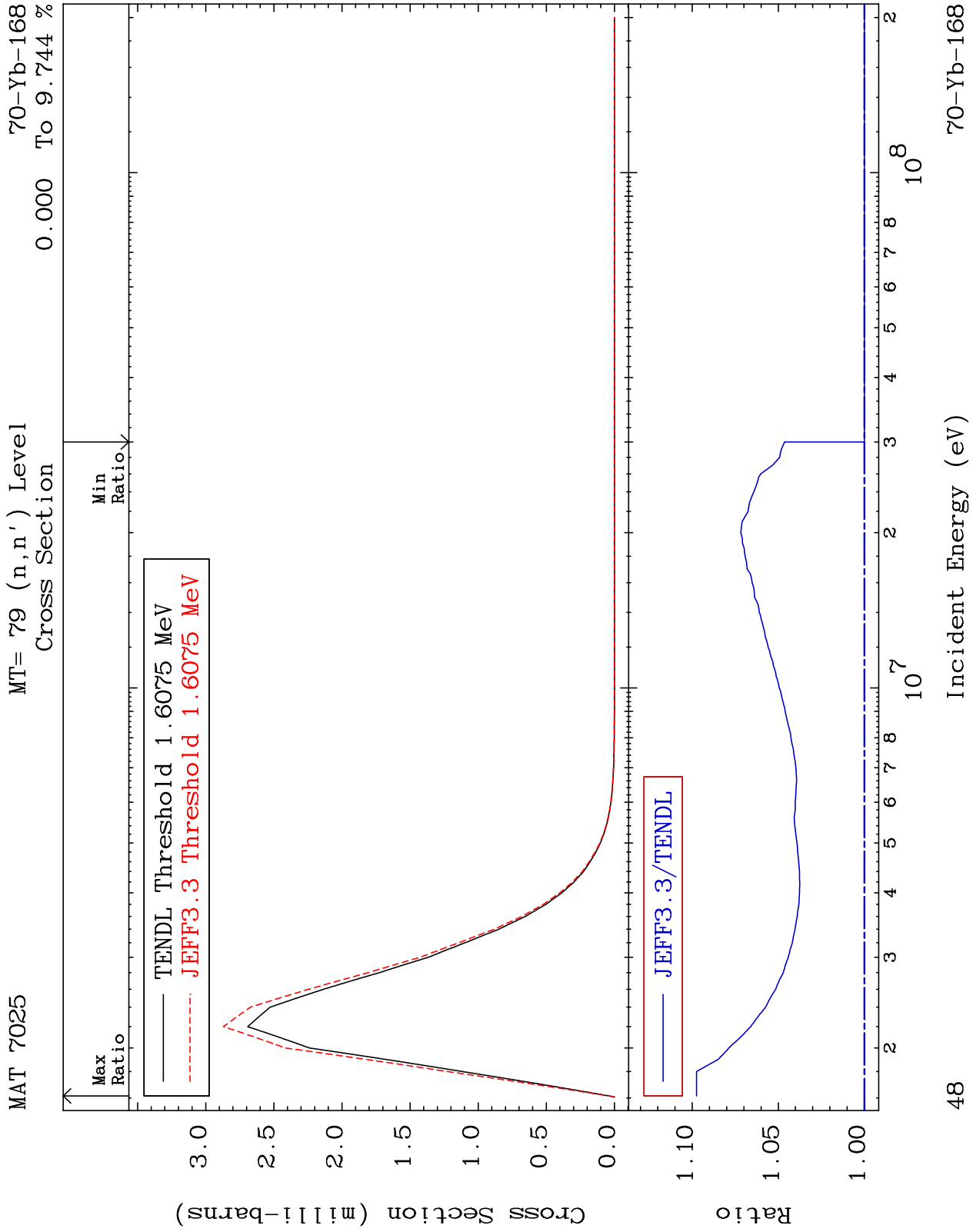
45

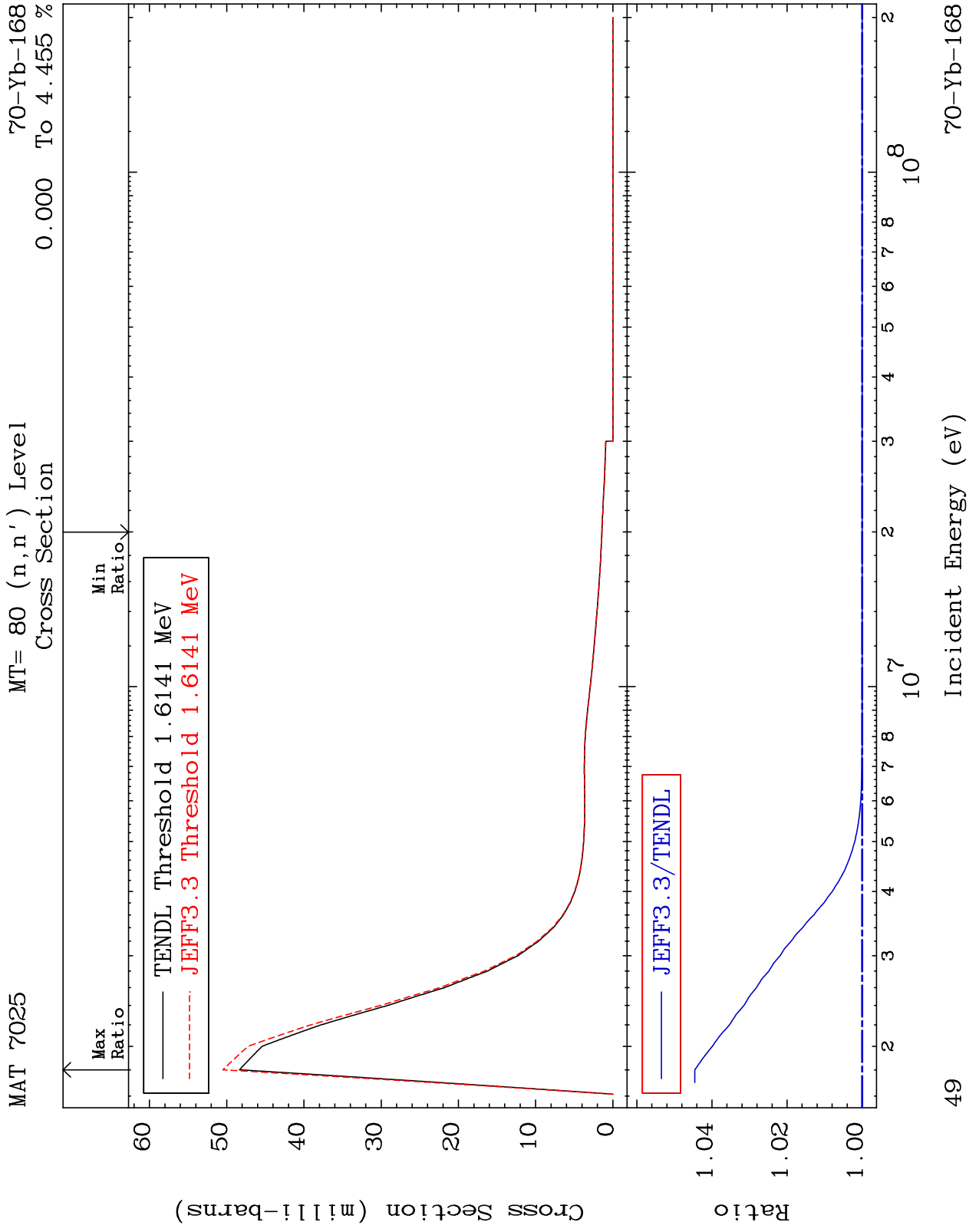
Incident Energy (eV)

70-Yb-168





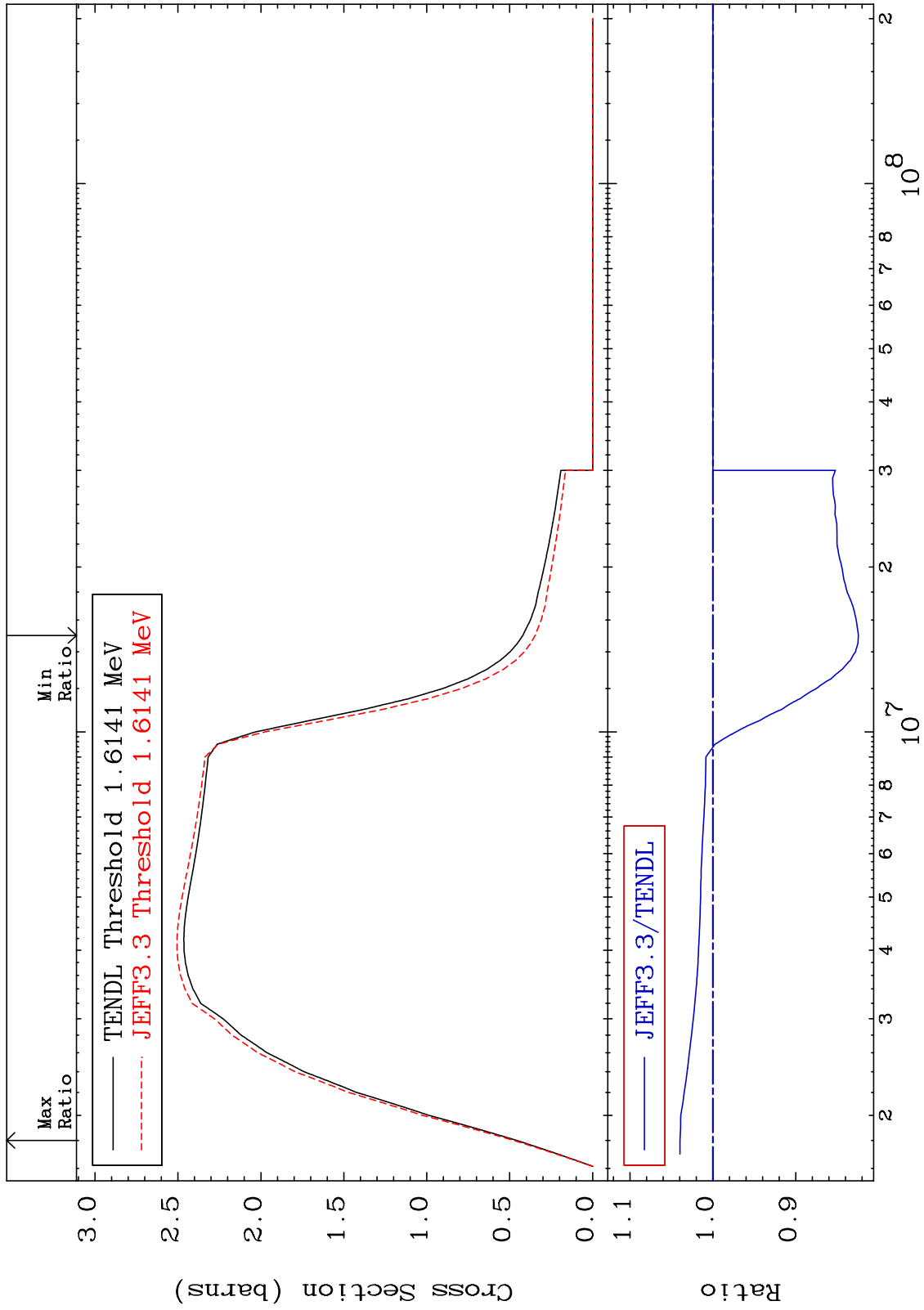




MAT 7025

(n, n') Continuum
Cross Section

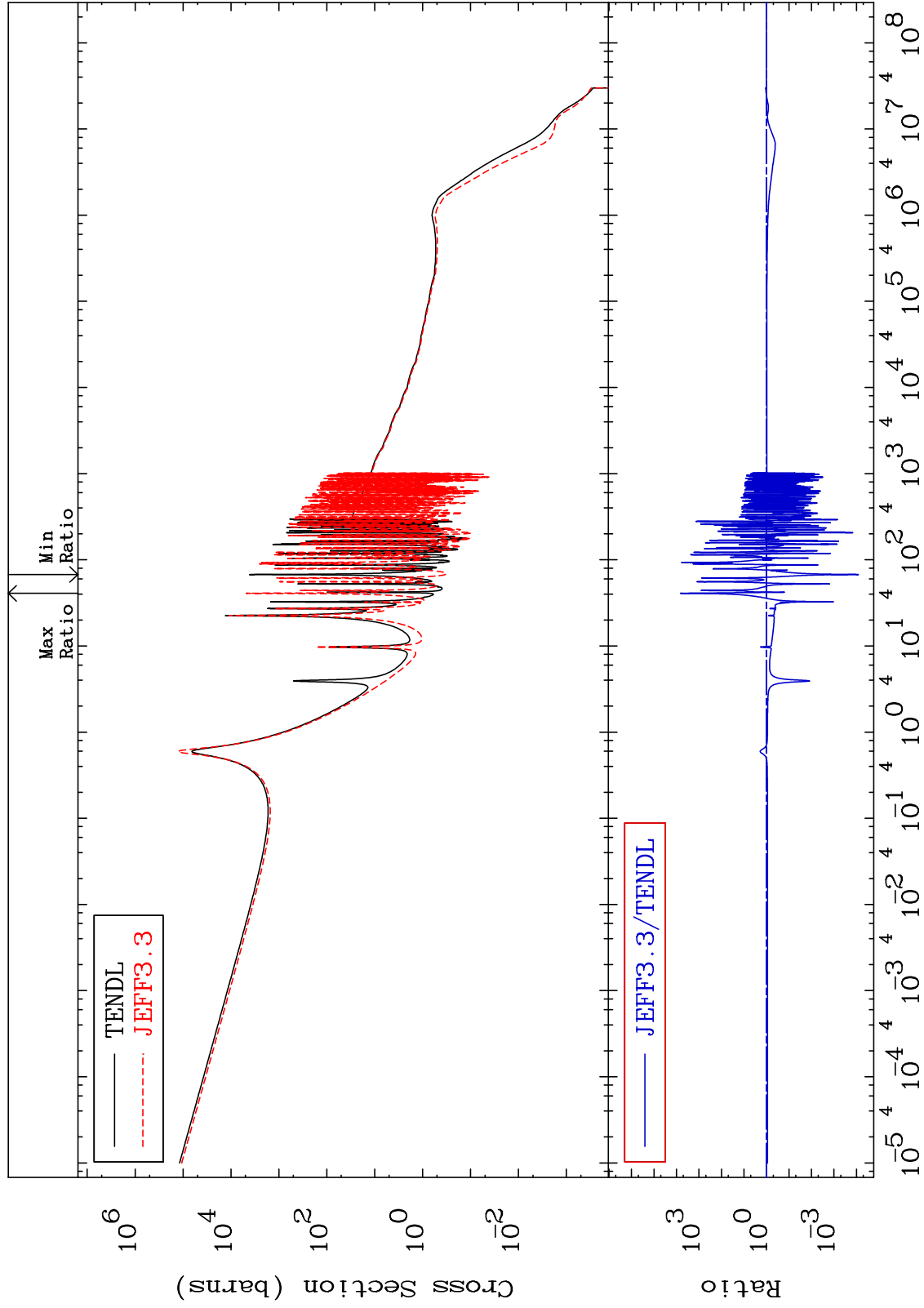
70-Yb-168
-17.57 To 3.959 %



MAT 7025

(n, γ)
Cross Section

70-Yb-168
-99.99 To 9999. %



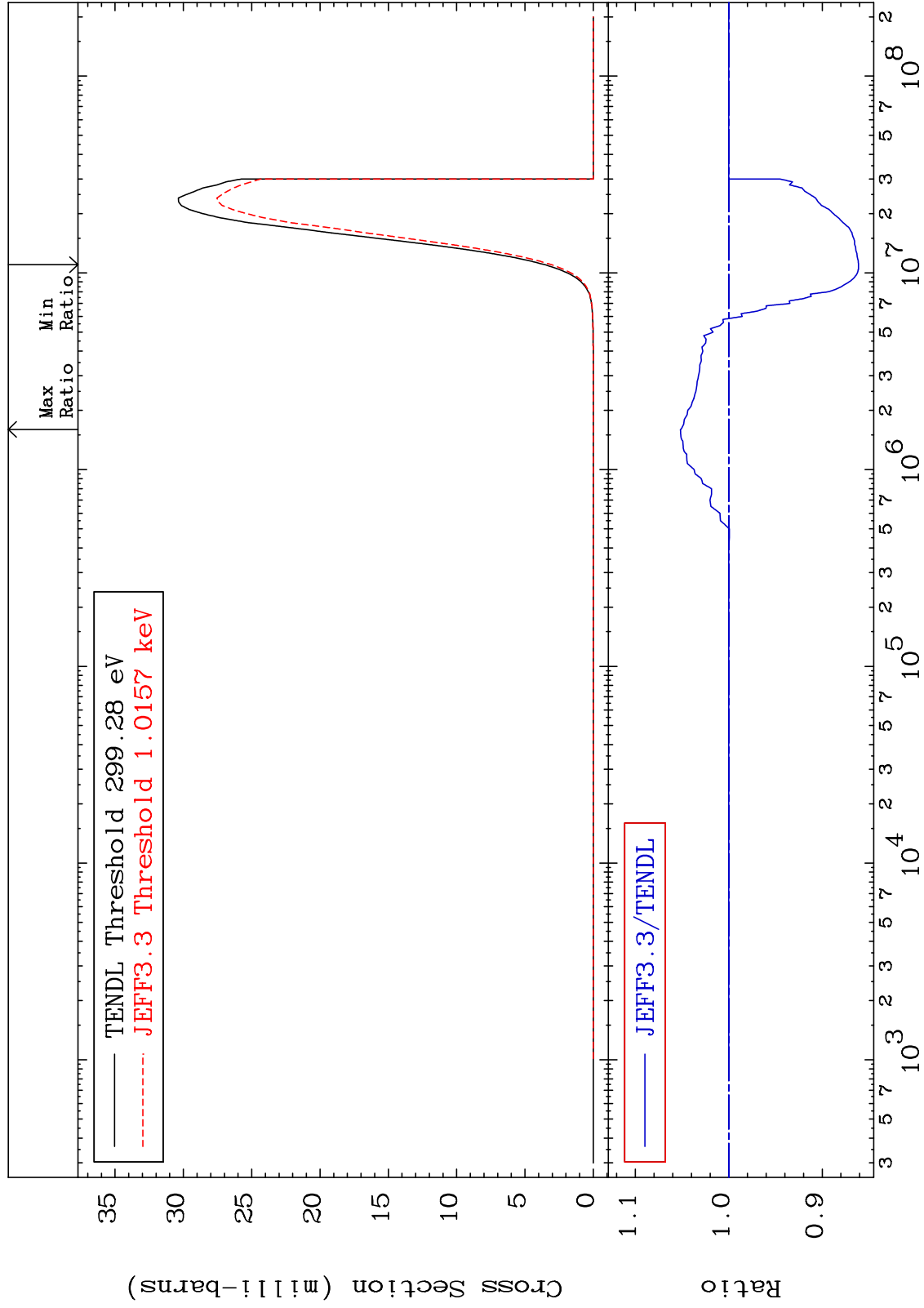
MAT 7025

(n,p)

70-Yb-168

Cross Section

-13.88 To 5.174 %



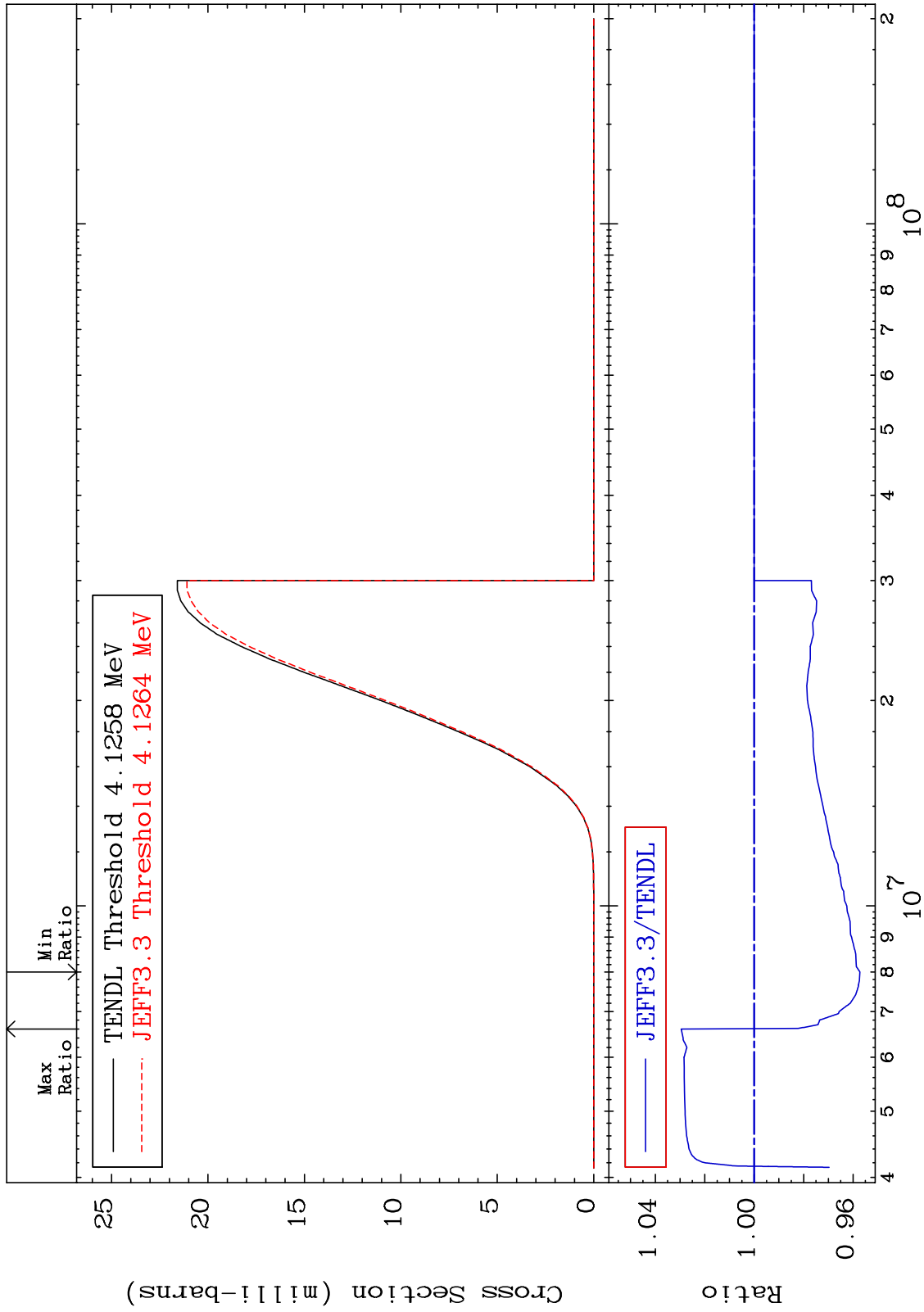
MAT 7025

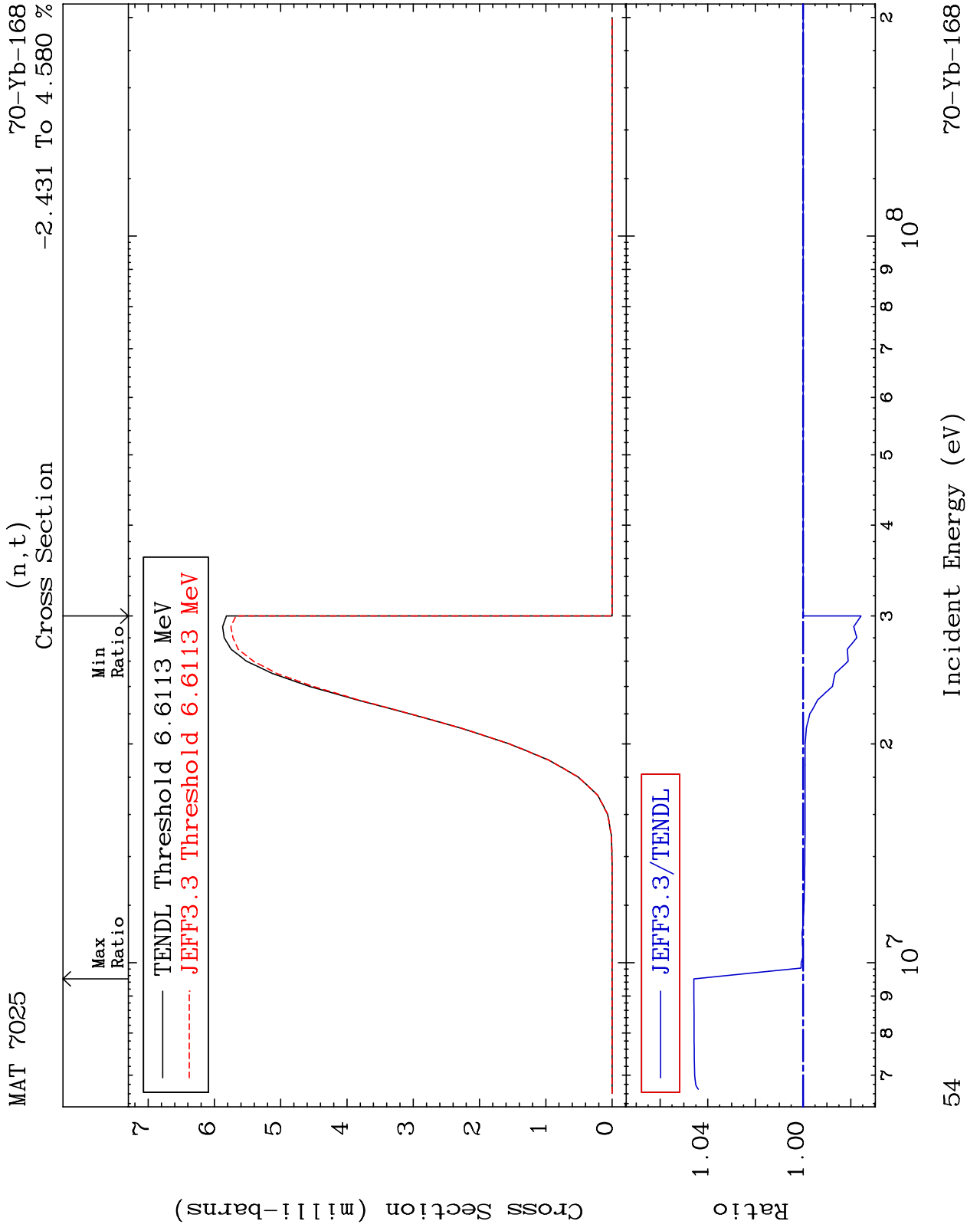
(n, d)

70-Yb-168

Cross Section

-4.277 To 2.951 %





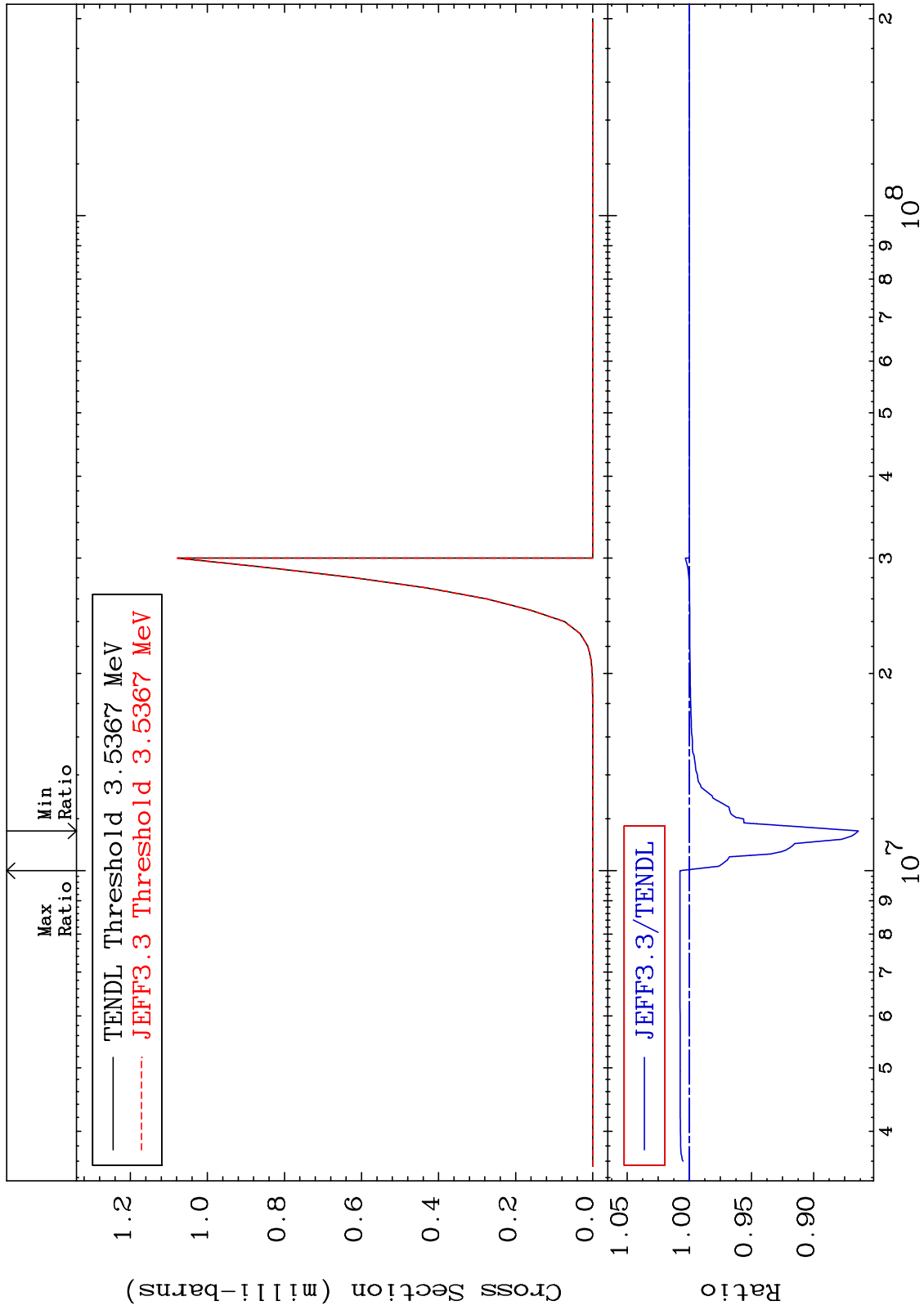
MAT 7025

(n, He-3)

70-Yb-168

Cross Section

-13.60 To 0.745 %



55

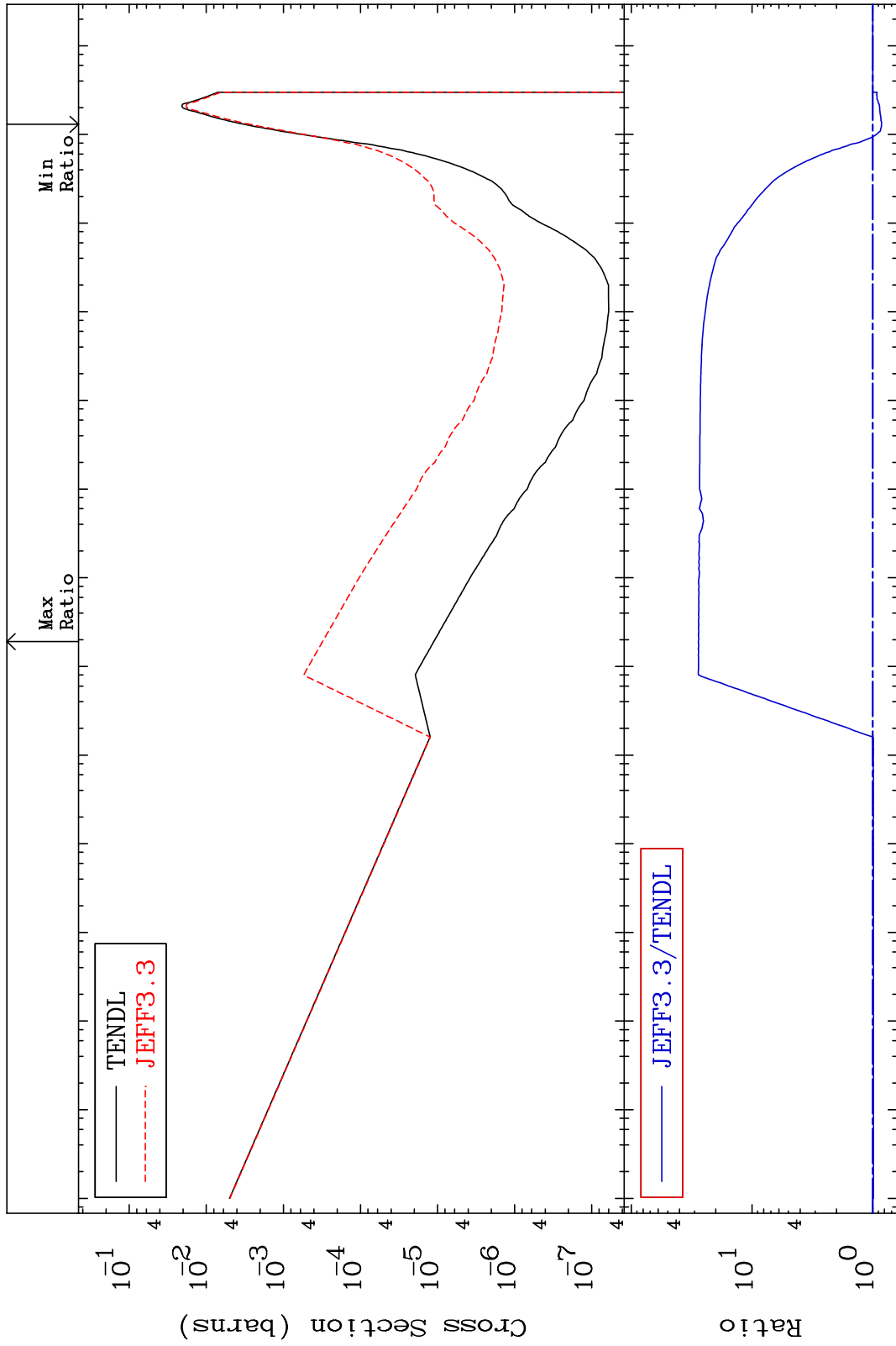
Incident Energy (eV)

70-Yb-168

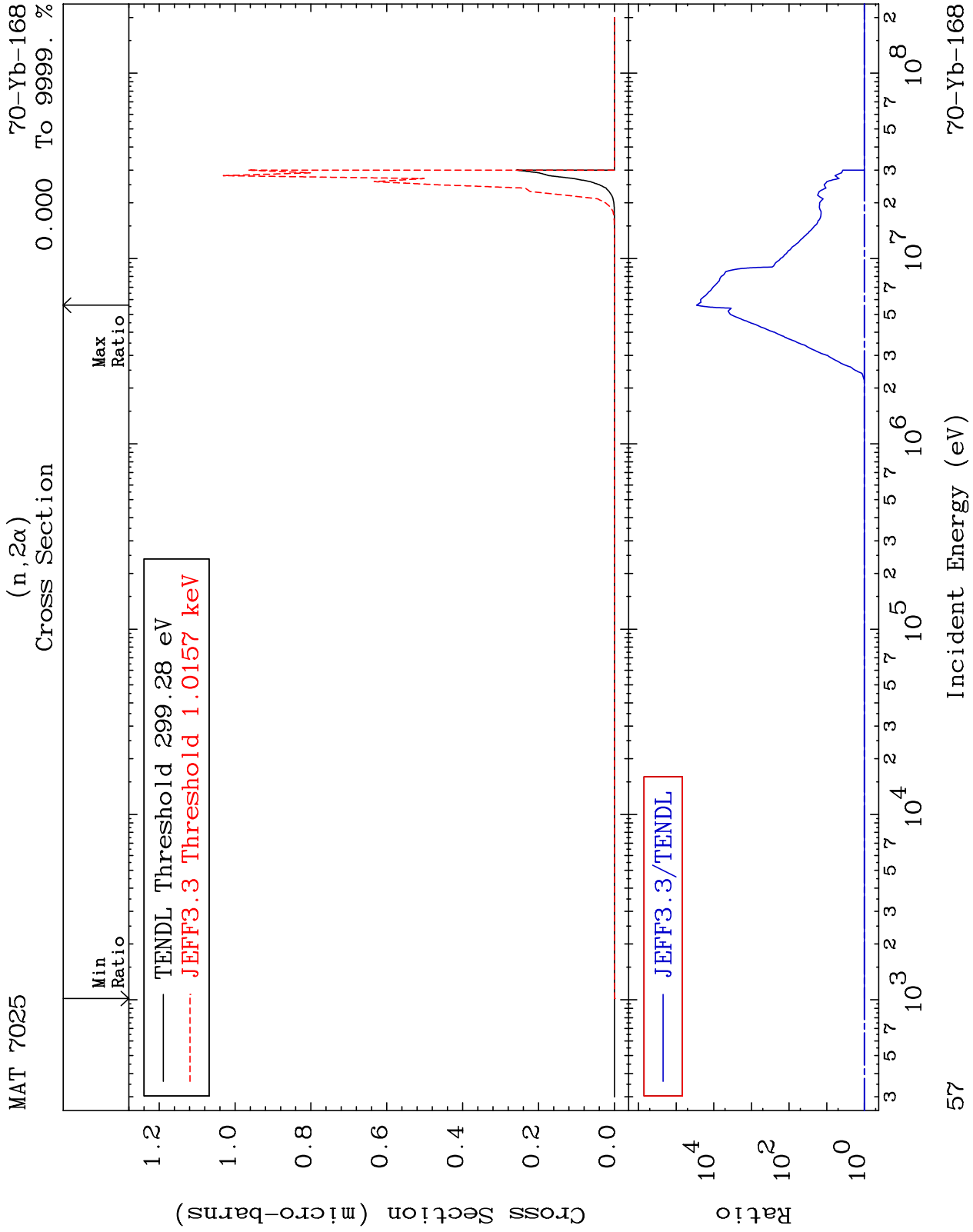
MAT 7025

(n, α)
Cross Section

70-Yb-168
-15.41 To 2687. %



Incident Energy (eV)
70-Yb-168



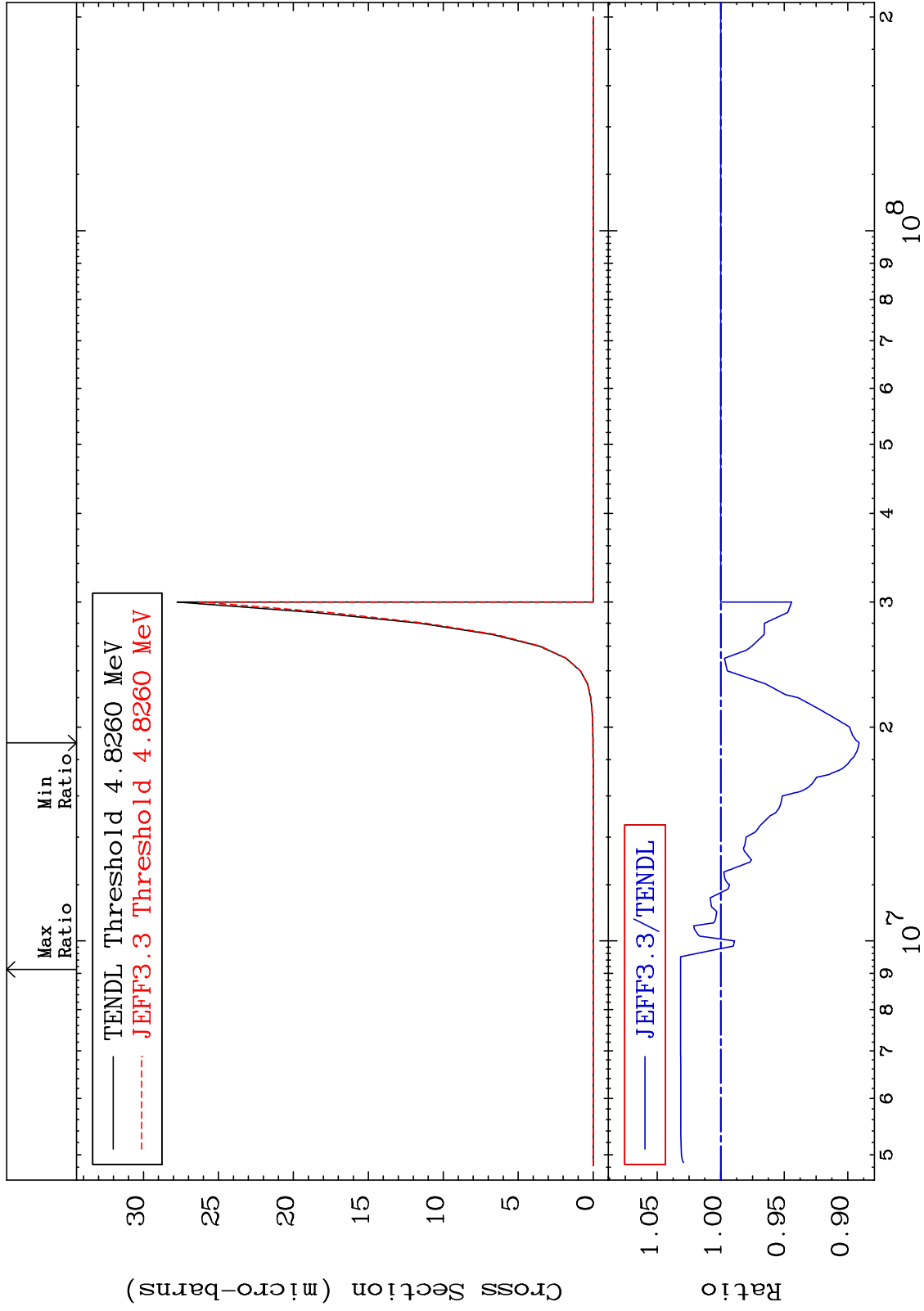
MAT 7025

(n,2p)

70-Yb-168

Cross Section

-10.89 To 3.157 %



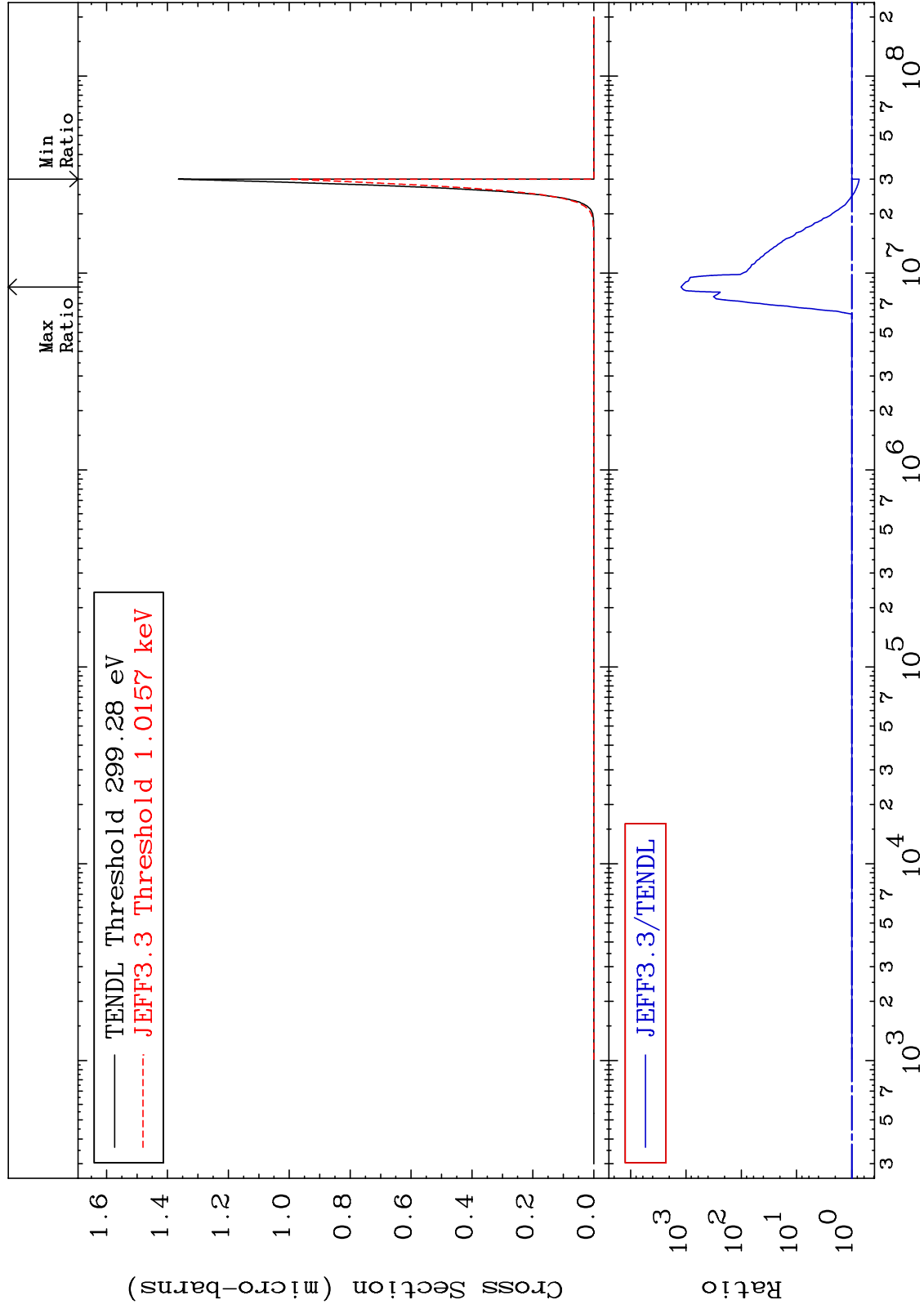
MAT 7025

(n,p) α

70-Yb-168

Cross Section

-26.56 To 9999. %



59

Incident Energy (eV)

70-Yb-168

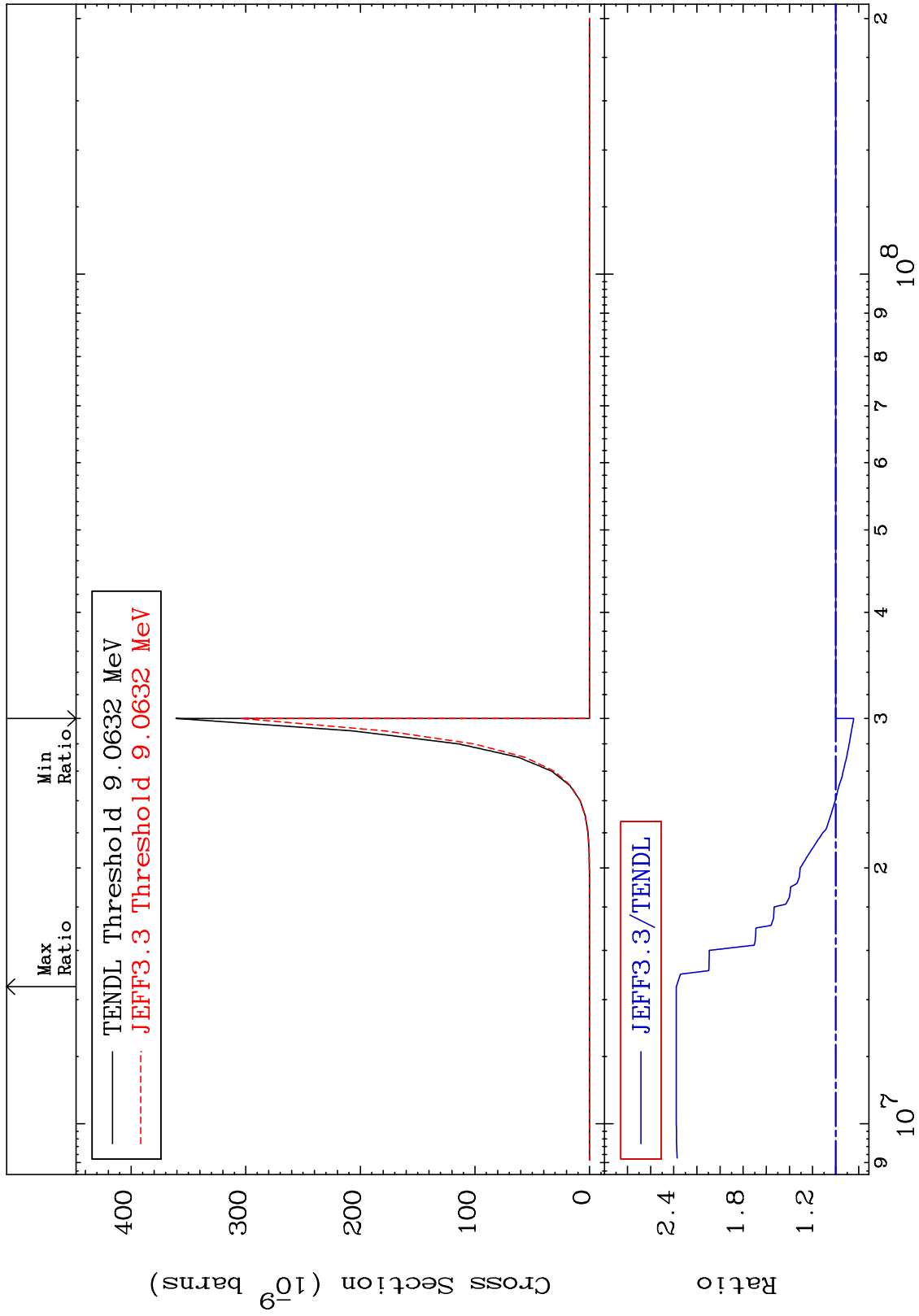
MAT 7025

(n,p) d

70-Yb-168

Cross Section

-15.65 To 137.8 %

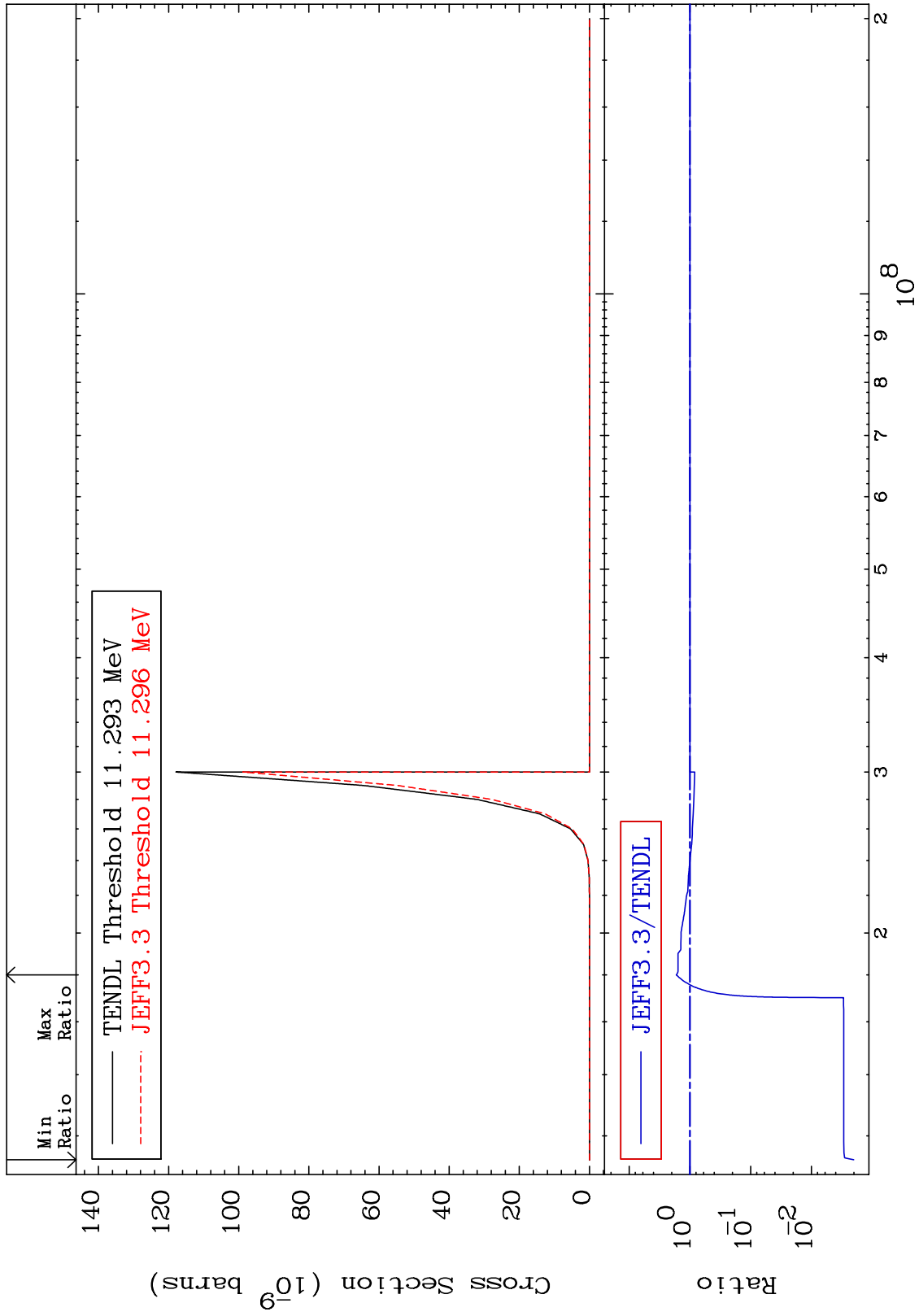


60

Incident Energy (eV)

70-Yb-168

MAT 7025 (n,p) t 70-Yb-168
 Cross Section -99.80 To 68.10 %



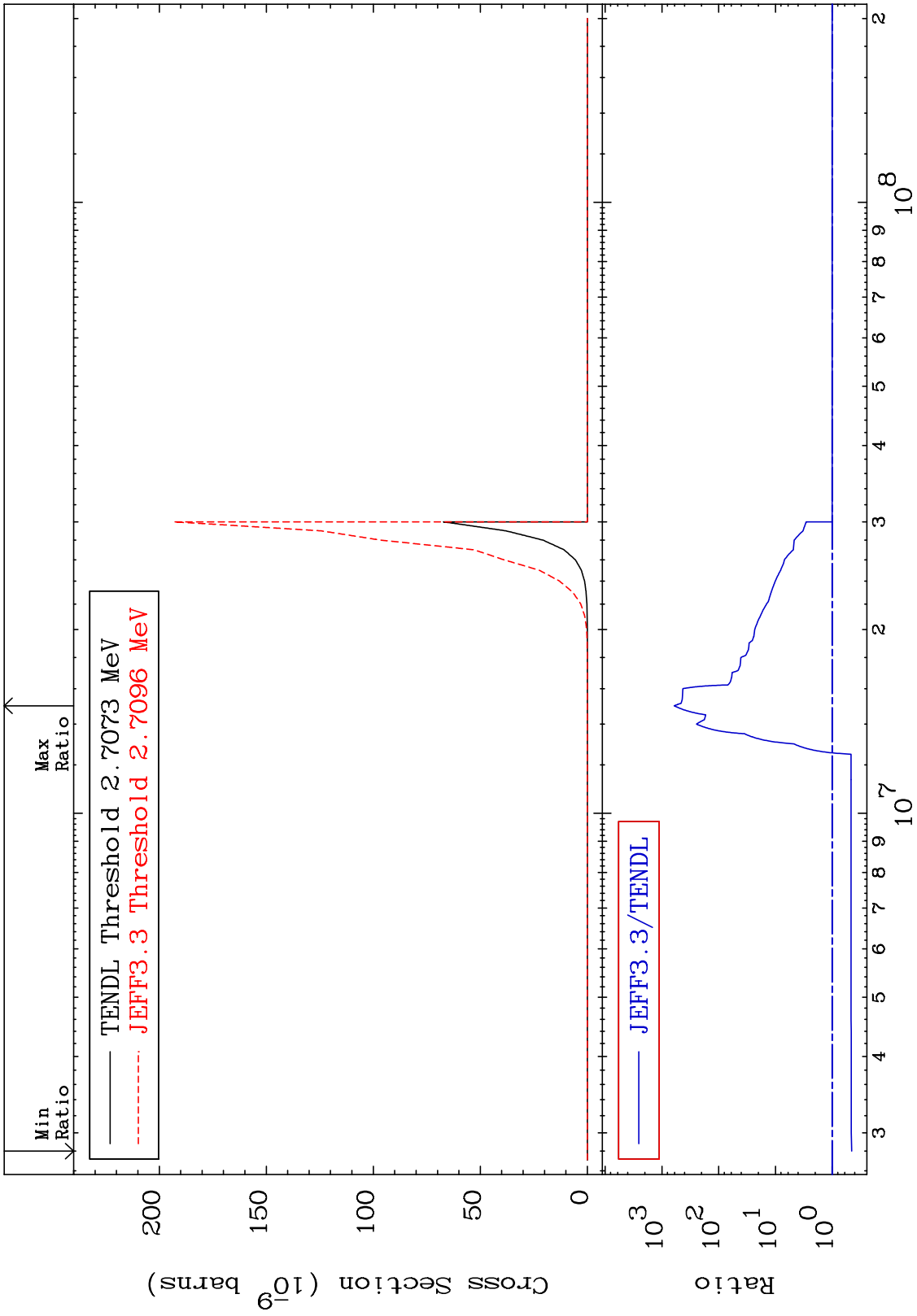
MAT 7025

(n,d) α

70-Yb-168

-54.65 To 9999. %

Cross Section



70-Yb-168

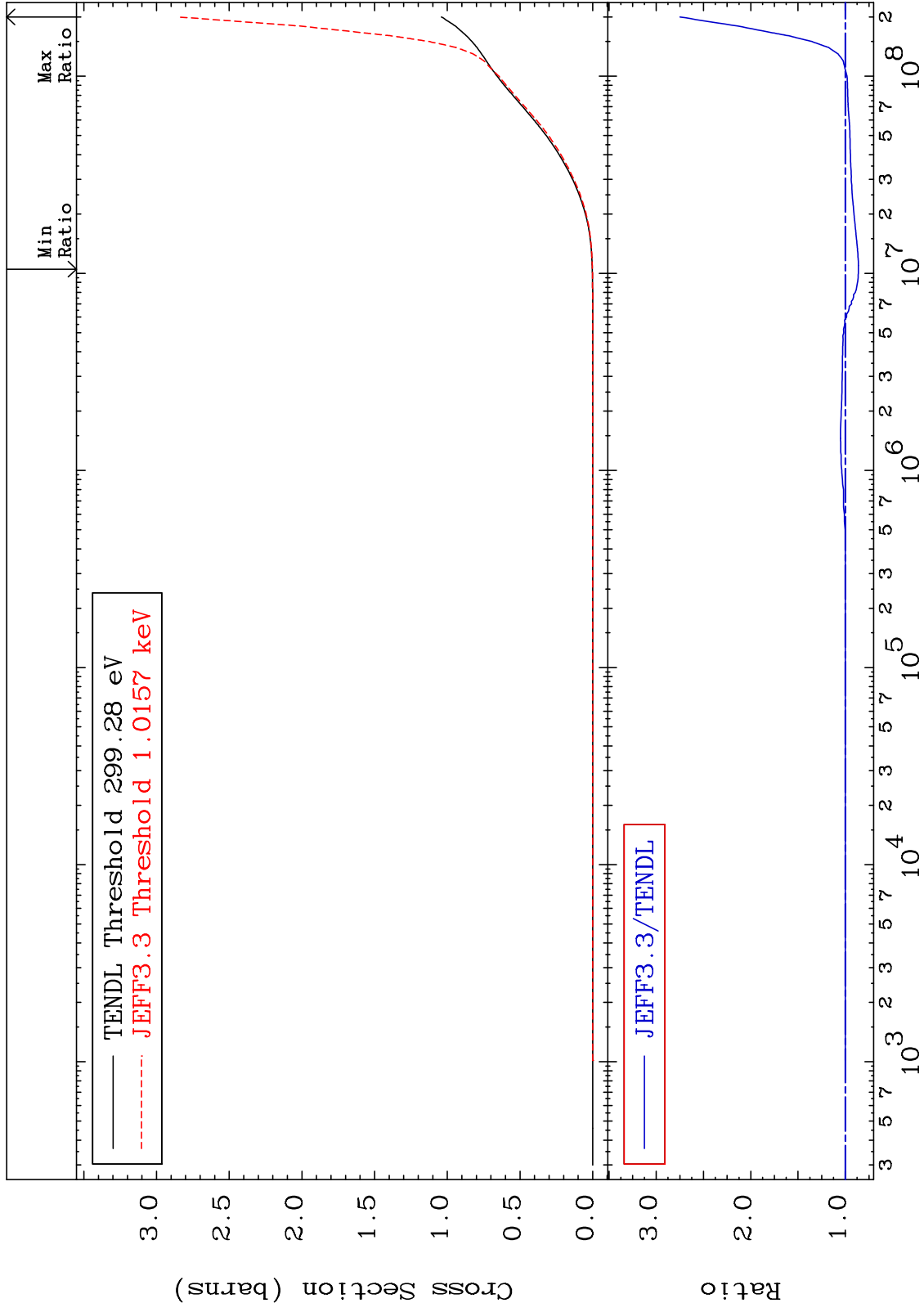
Incident Energy (eV)

62

MAT 7025

Hydrogen Production
Cross Section

70-Yb-168
-13.84 To 174.8 %



63

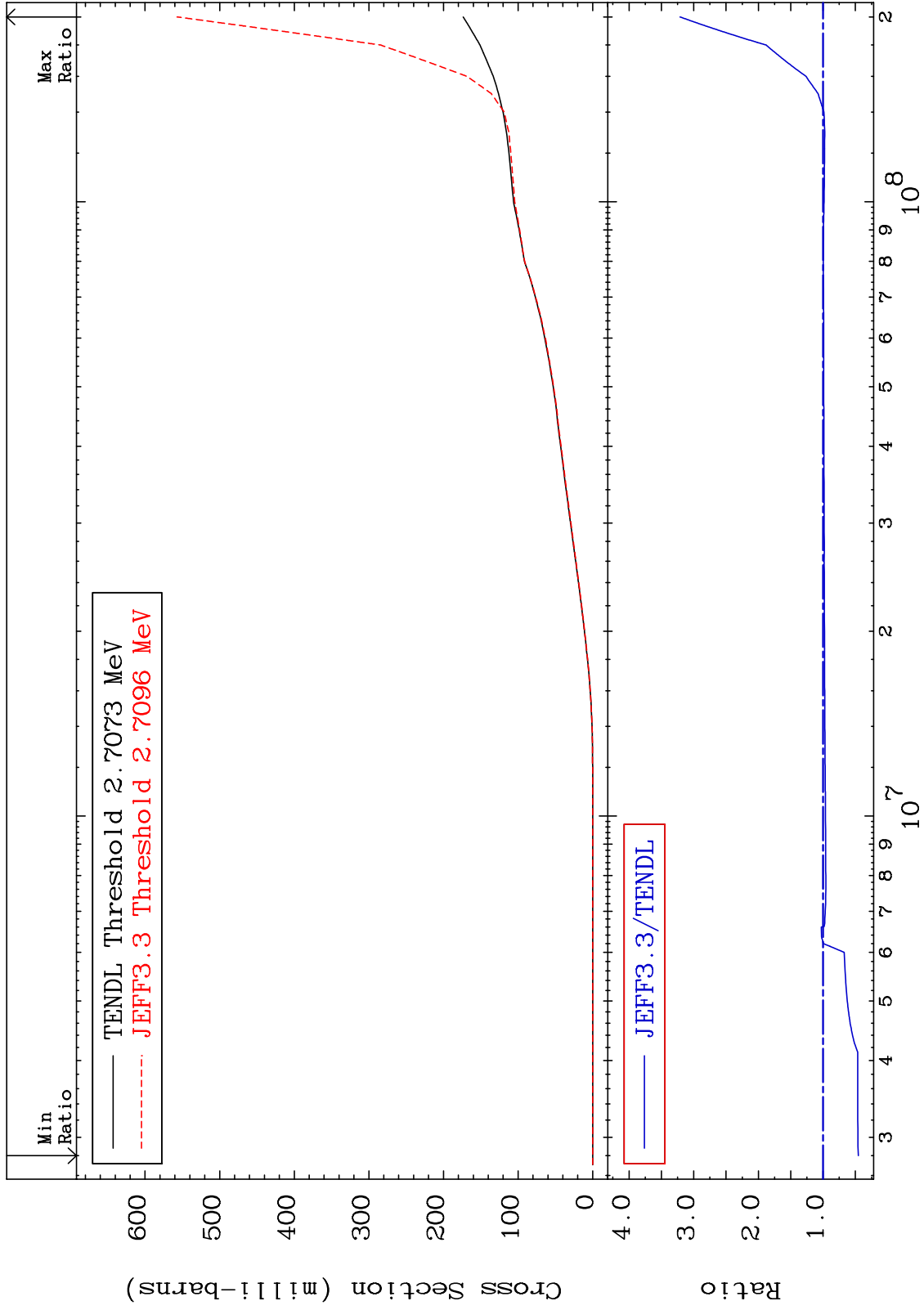
Incident Energy (eV)

70-Yb-168

MAT 7025

Deuterium Production
Cross Section

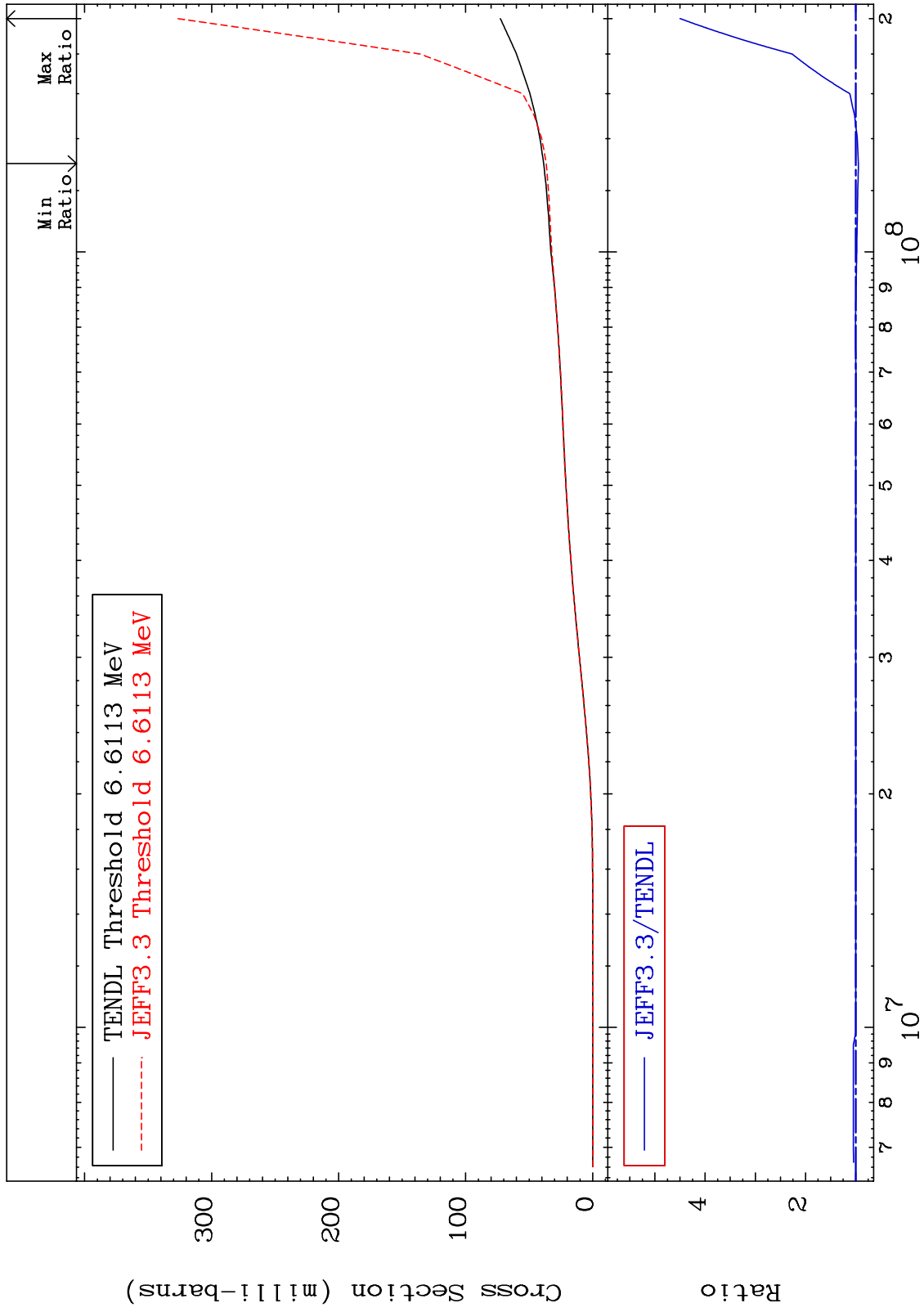
70-Yb-168
-54.65 To 221.2 %



MAT 7025

Tritium Production
Cross Section

70-Yb-168
-5.360 To 350.0 %



65

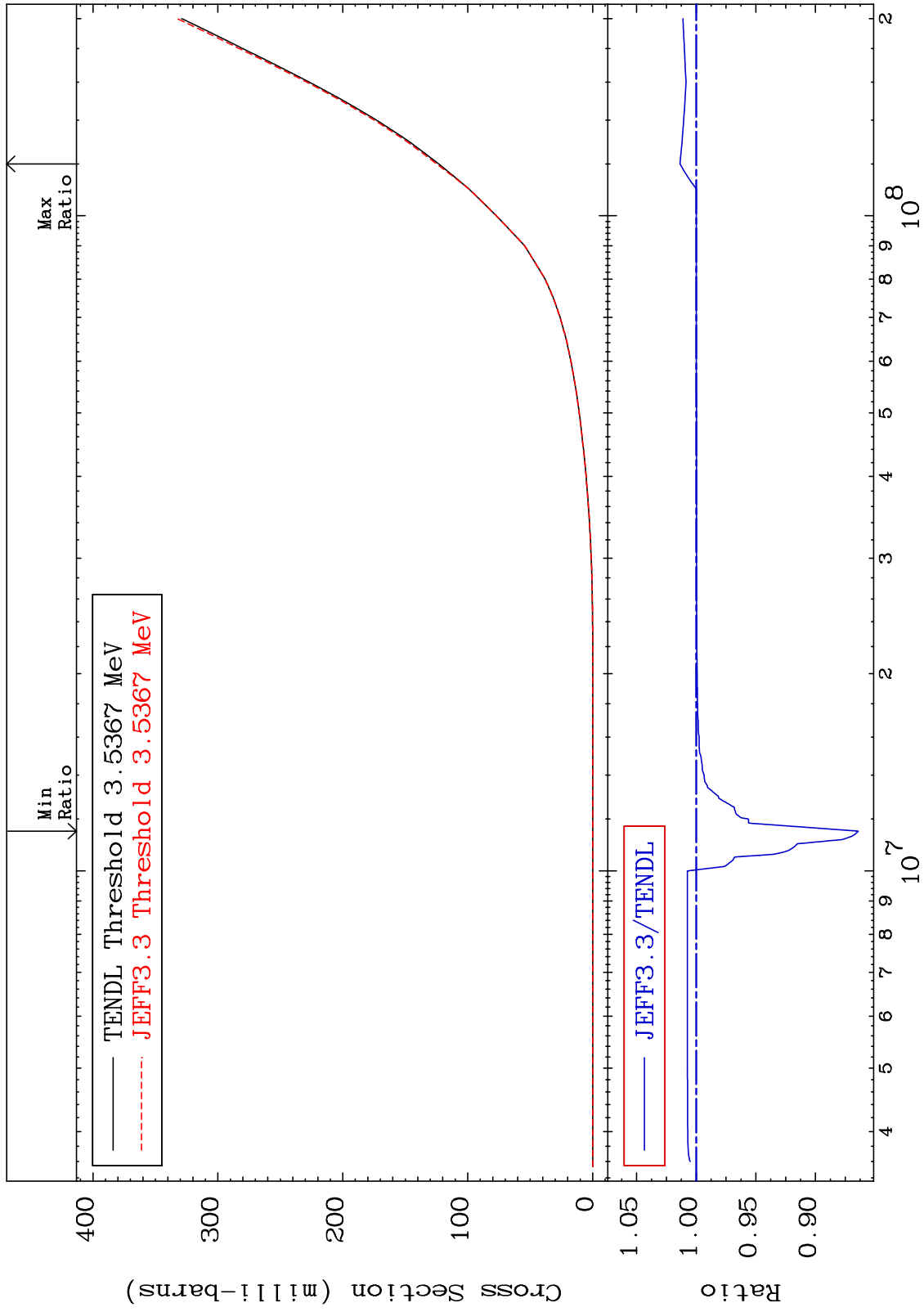
Incident Energy (eV)

70-Yb-168

MAT 7025

He-3 Production
Cross Section

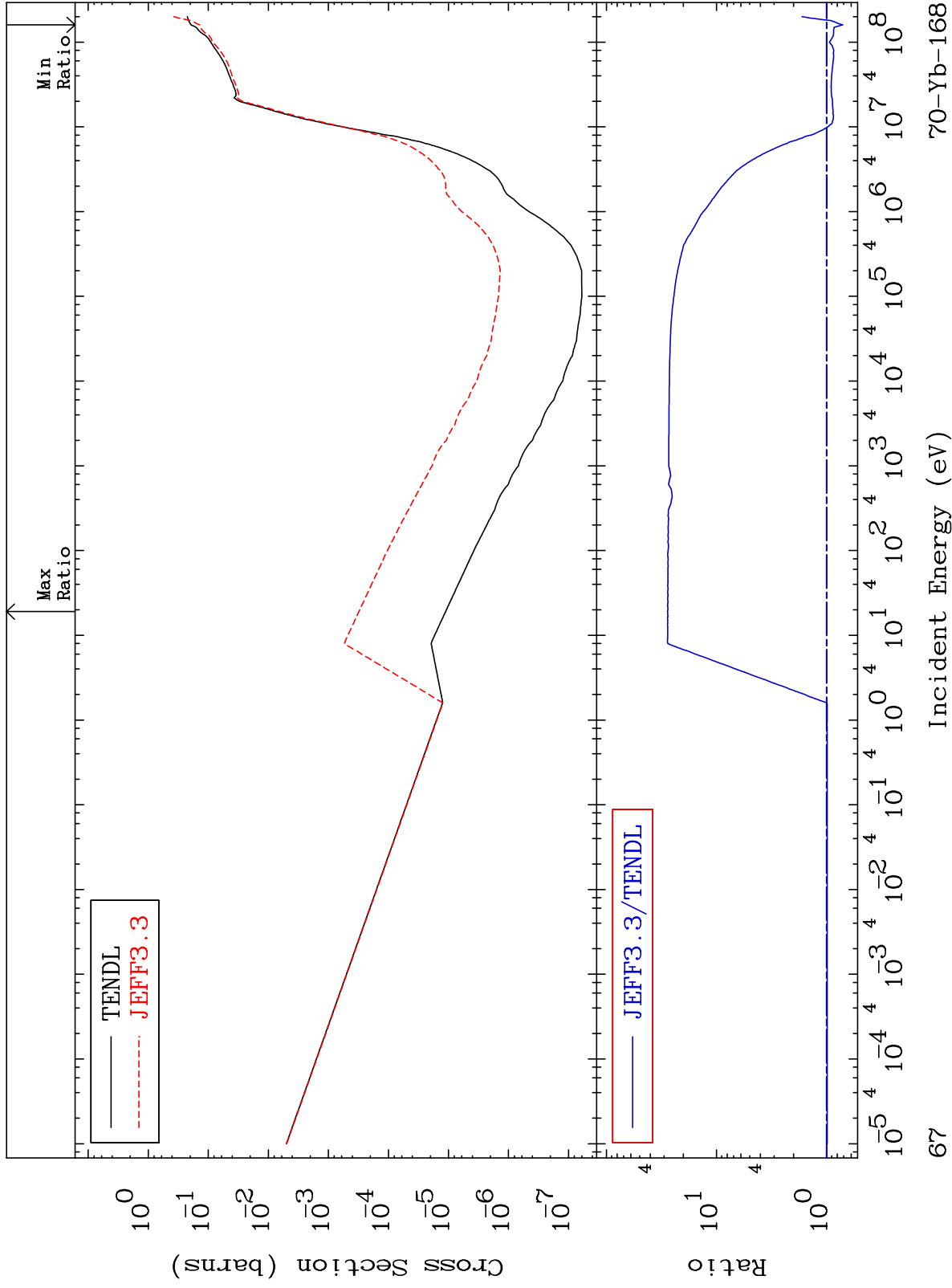
70-Yb-168
-13.60 To 1.361 %



MAT 7025

He-4 Production
Cross Section

70-Yb-168
-28.44 To 2687. %



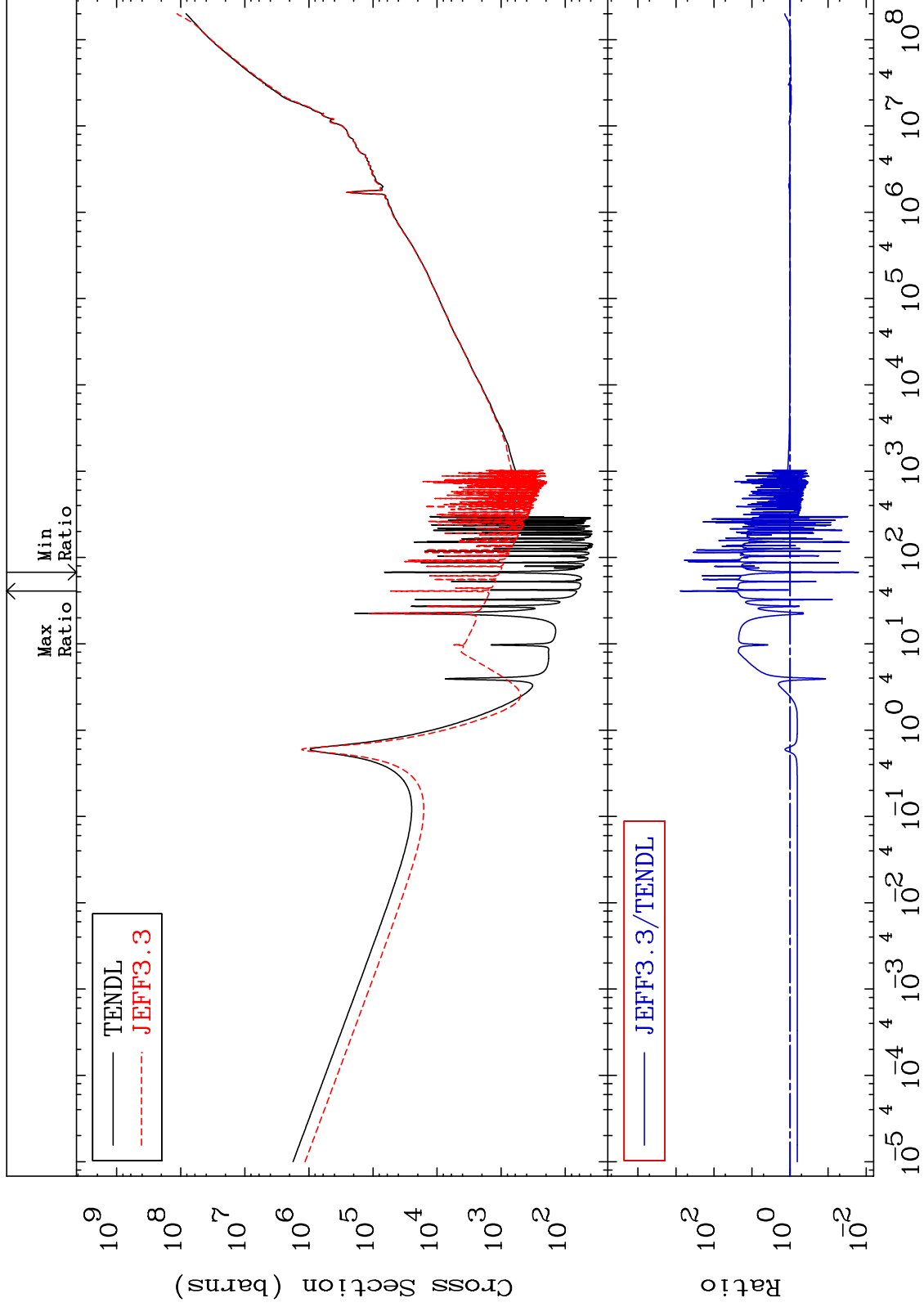
67

70-Yb-168

MAT 7025

Kerma total (eV-barns)
Cross Section

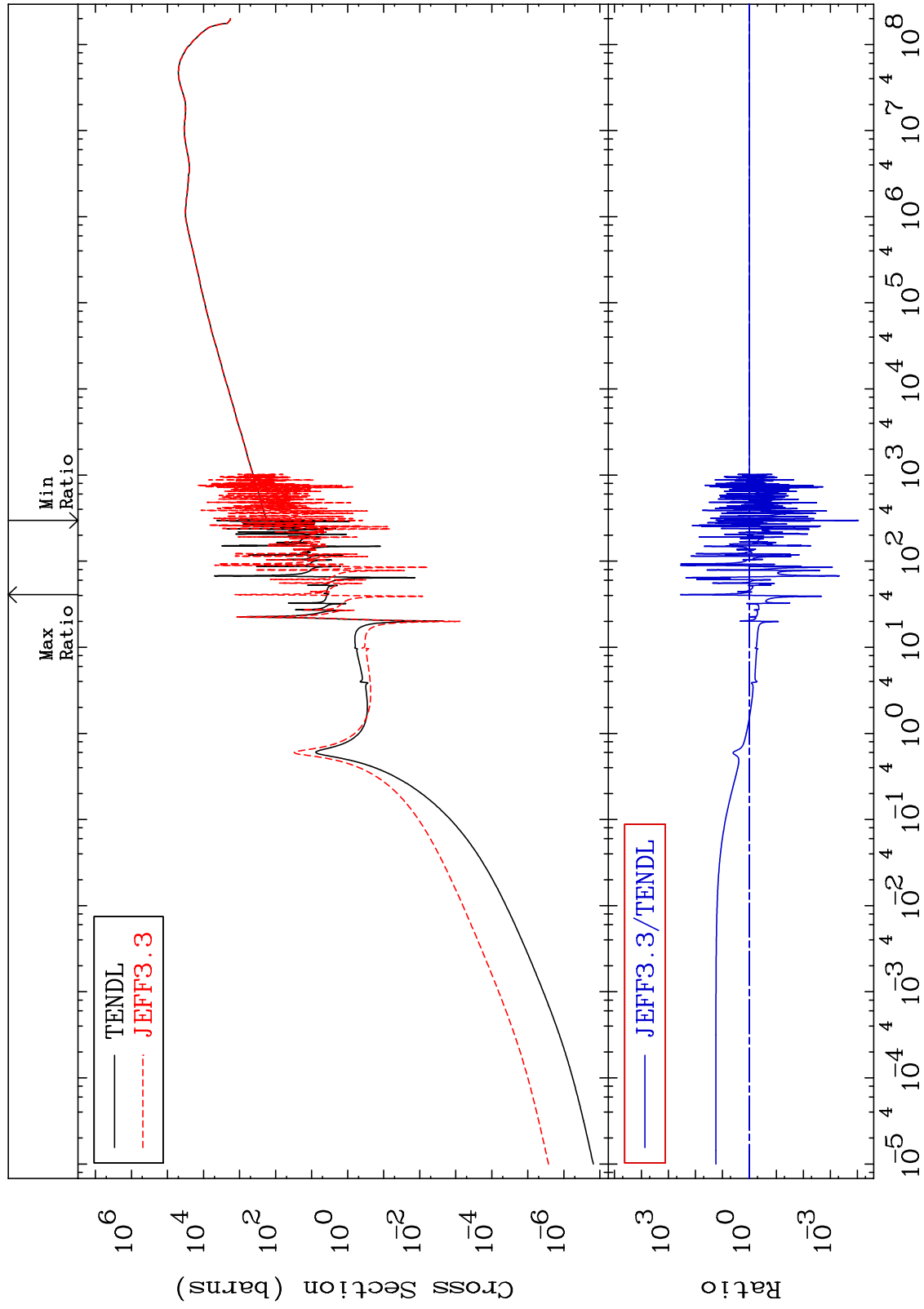
70-Yb-168
-98.40 To 9999. %



MAT 7025

Kerma elastic
Cross Section

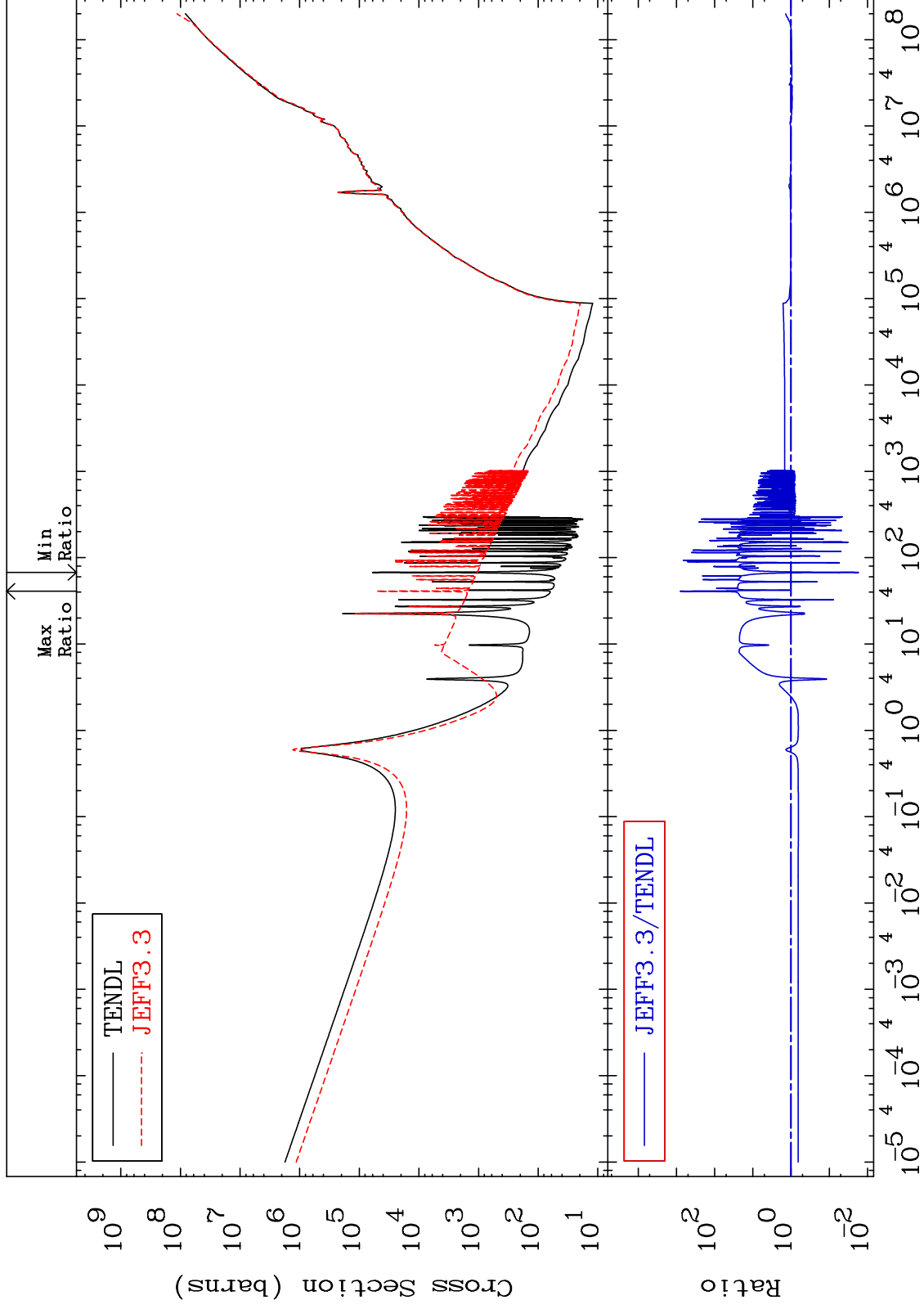
70-Yb-168
-99.99 To 9999. %



MAT 7025

Kerma non-elastic (all but mt2)
Cross Section

70-Yb-168
-98.27 To 9999. %



70

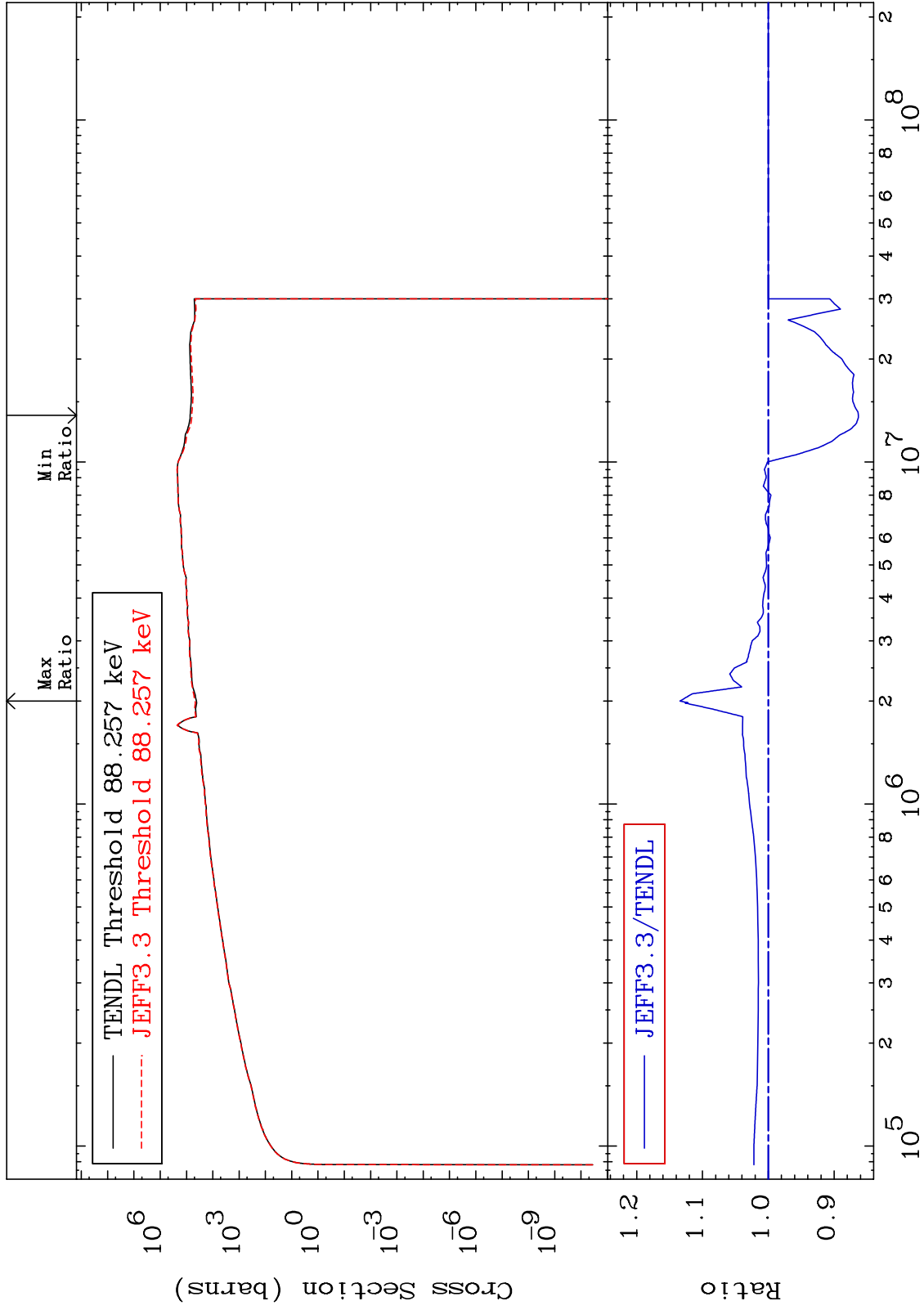
Incident Energy (eV)

70-Yb-168

MAT 7025

Kerma inelastic (mt51-91)
Cross Section

70-Yb-168
-13.69 To 13.42 %



71

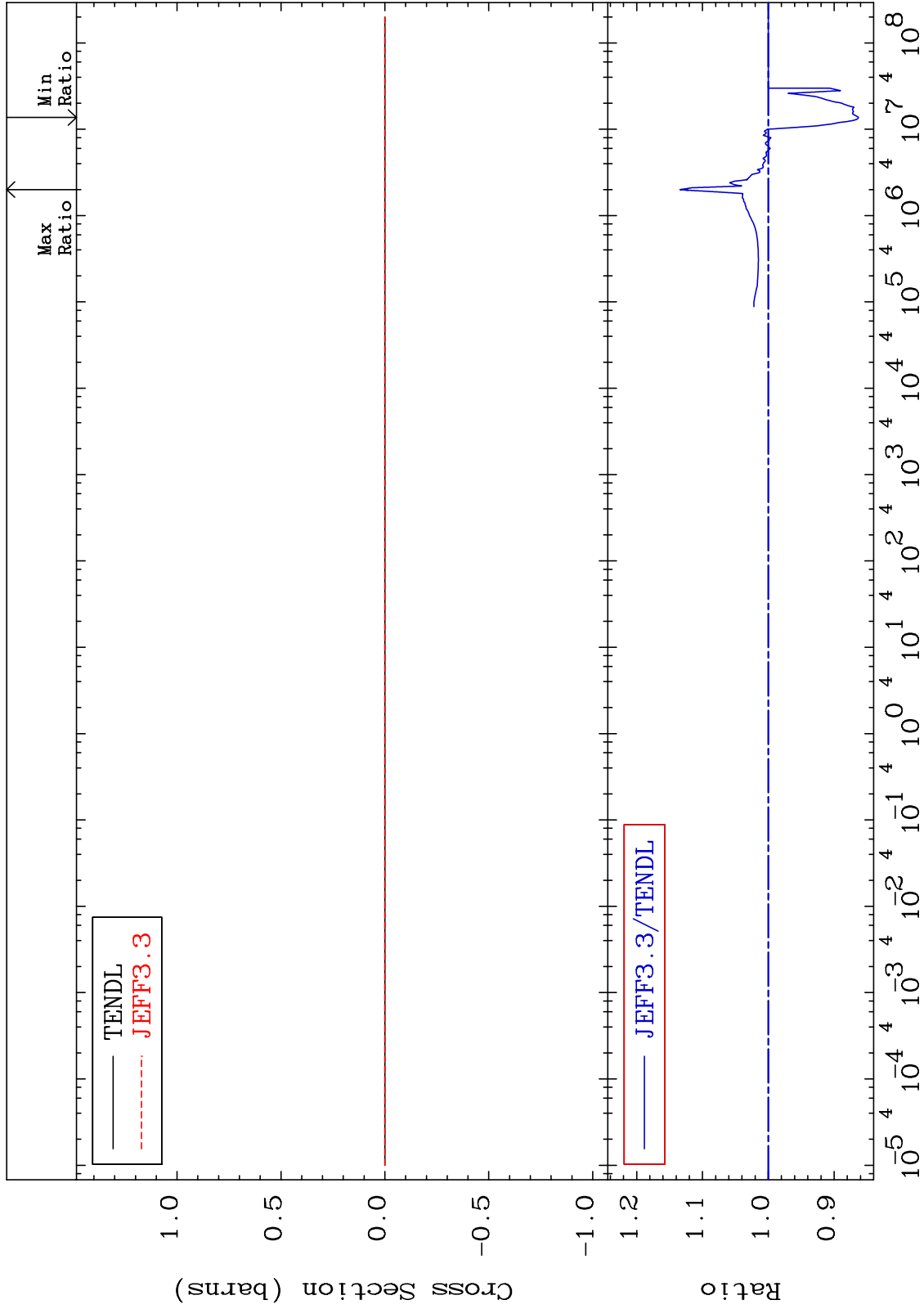
Incident Energy (eV)

70-Yb-168

MAT 7025

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

70-Yb-168
-13.69 To 13.42 %



72

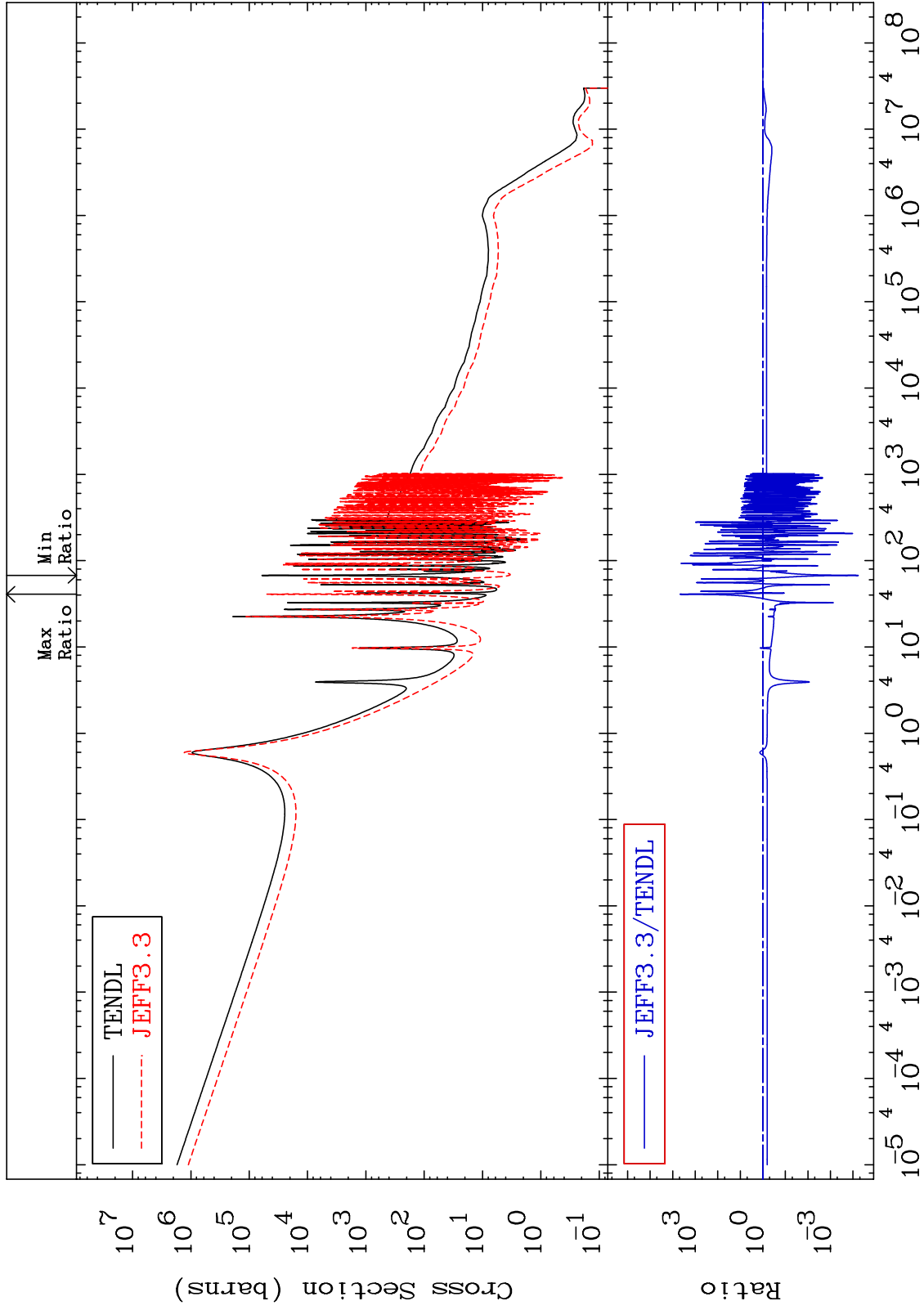
Incident Energy (eV)

70-Yb-168

MAT 7025

Kerma capture (mt102)
Cross Section

70-Yb-168
-99.99 To 9999. %



73

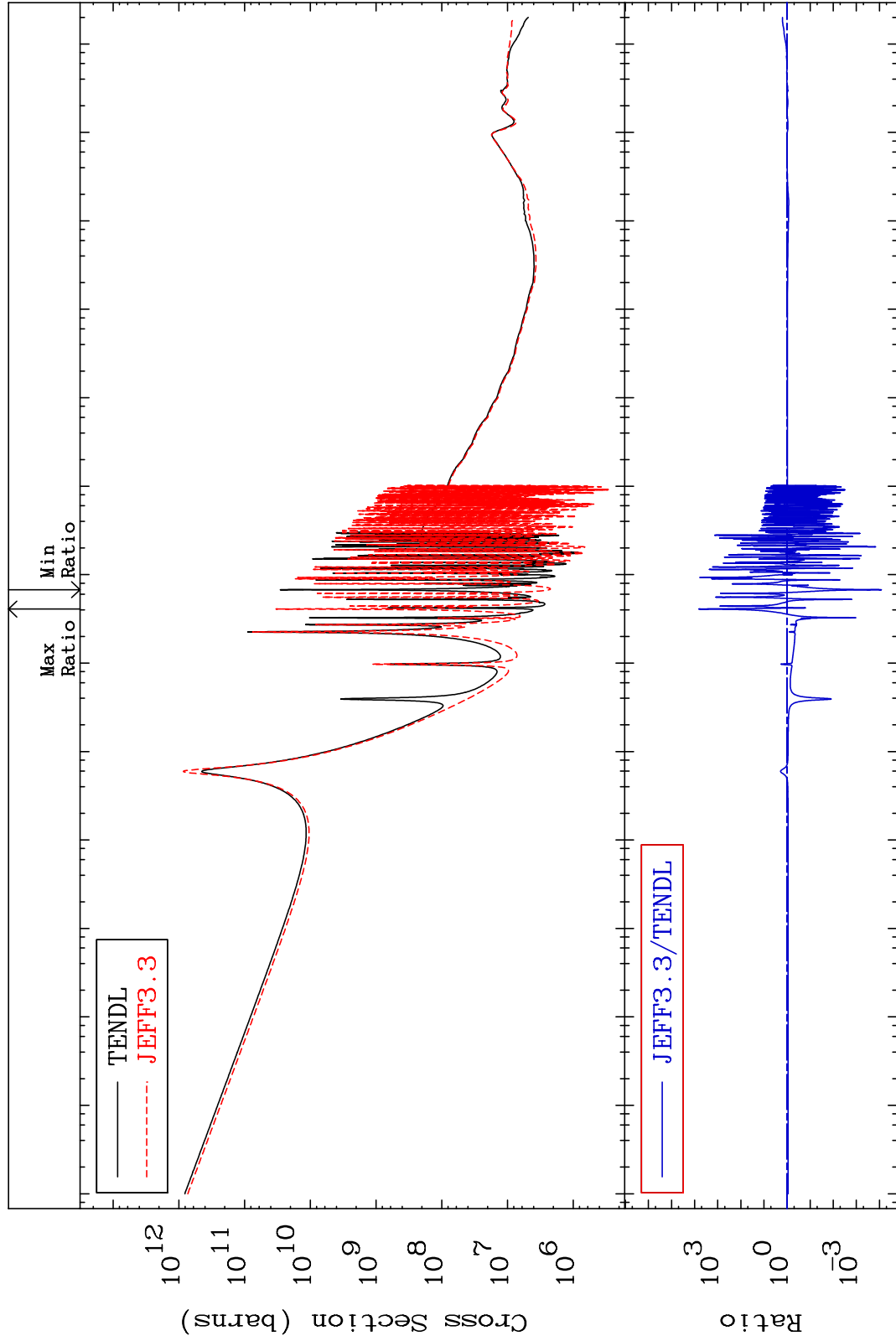
Incident Energy (eV)

70-Yb-168

MAT 7025

Total photon (eV-barns)
Cross Section

70-Yb-168
-99.99 To 9999. %



74

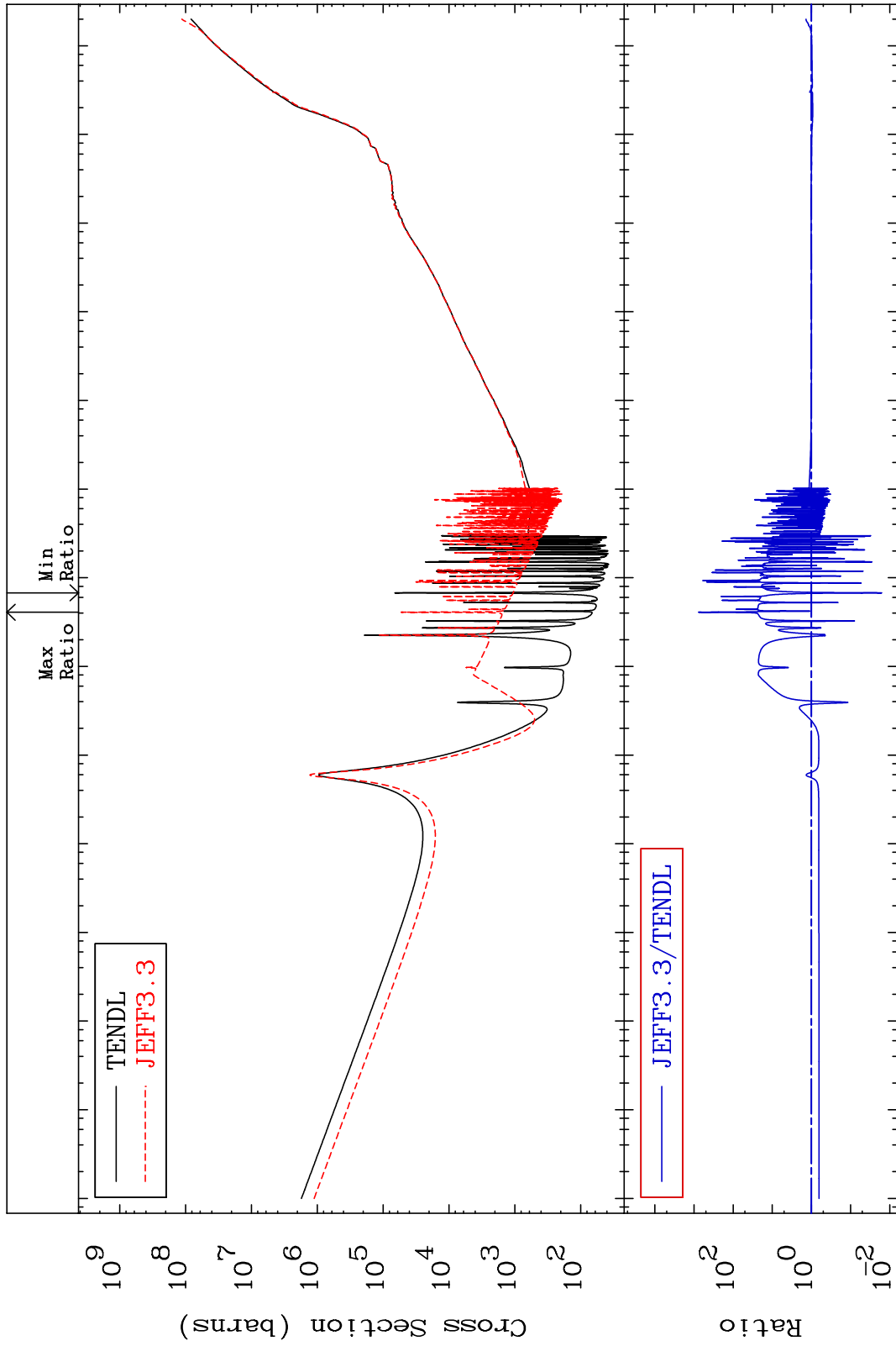
Incident Energy (eV)

70-Yb-168

MAT 7025

Total kinematic kerma (high limit)
Cross Section

70-Yb-168
-98.38 To 9999. %



75

Incident Energy (eV)

70-Yb-168

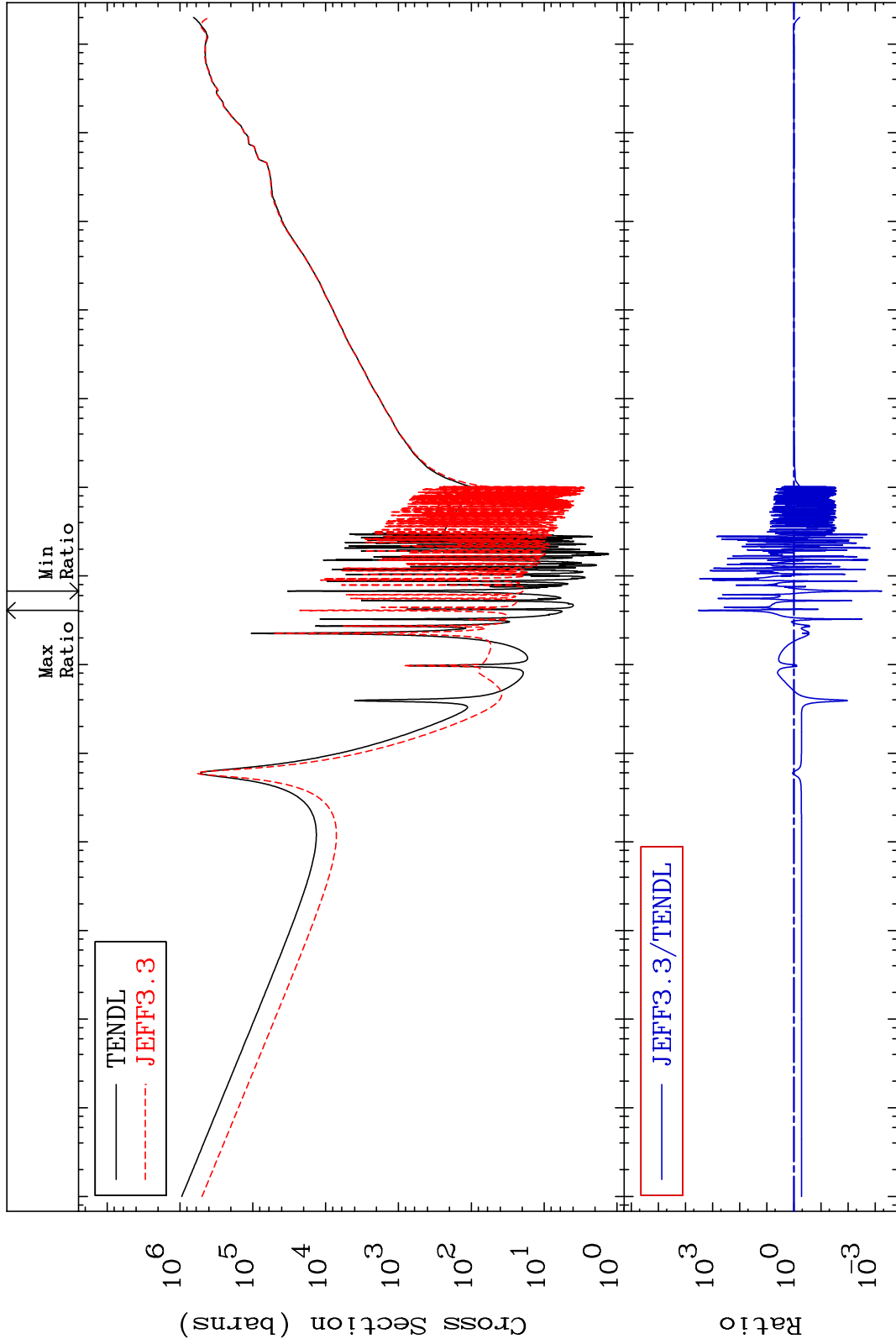
MAT 7025

Dpa total (eV-barns)

70-Yb-168

-99.94 To 9999. %

Cross Section



76

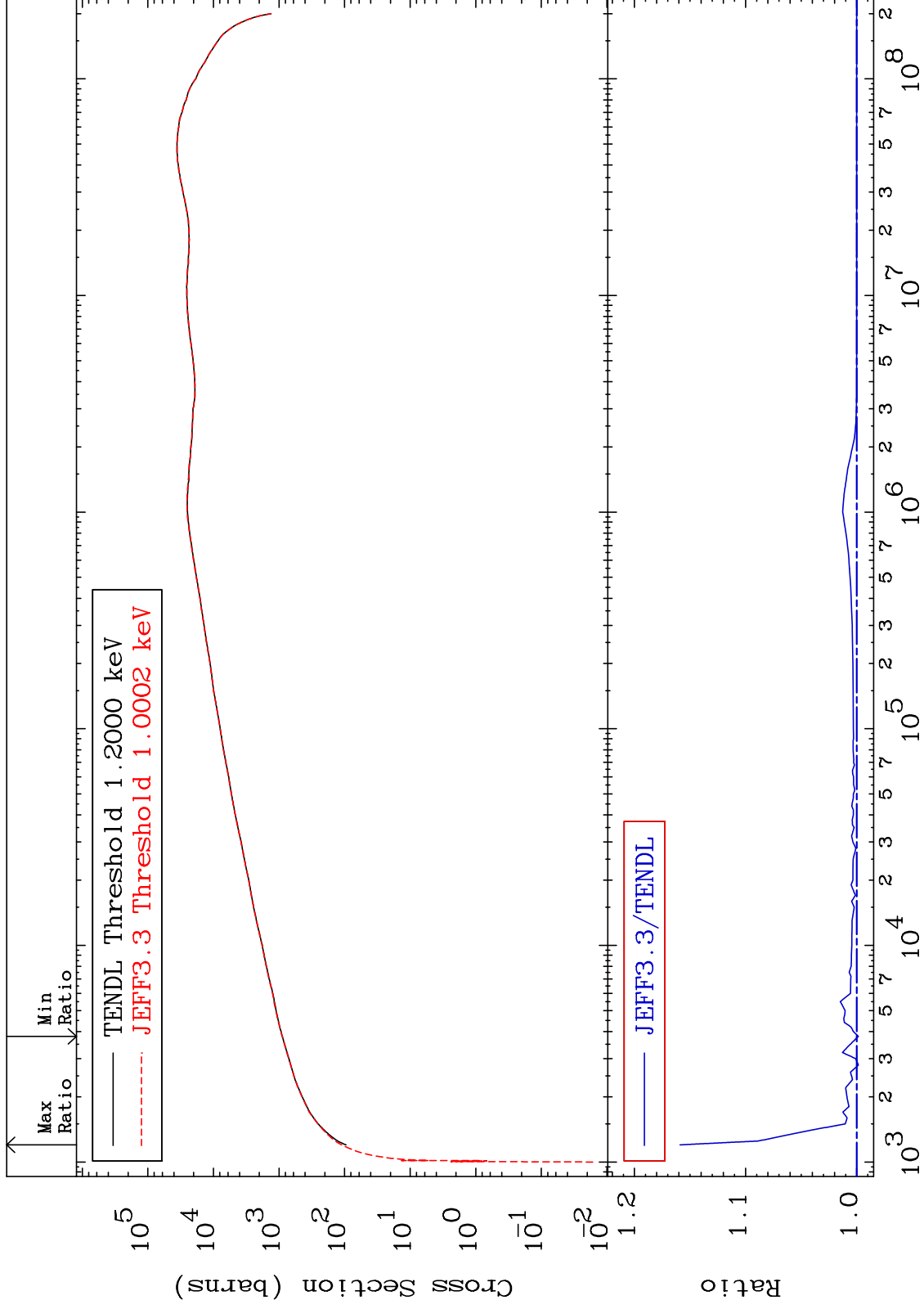
Incident Energy (eV)

70-Yb-168

MAT 7025

Dpa elastic (mt2)
Cross Section

70-Yb-168
-0.152 To 15.90 %



77

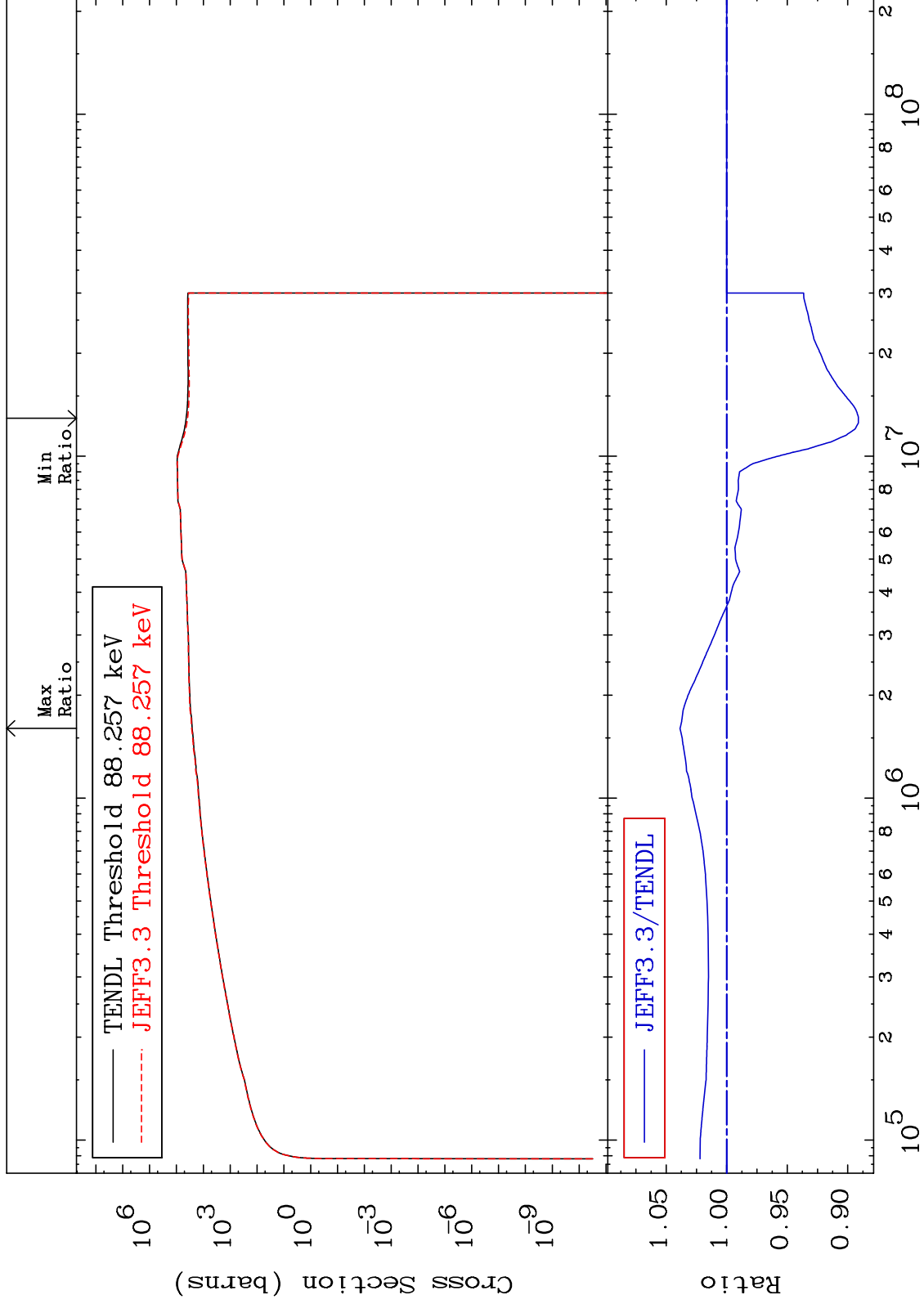
Incident Energy (eV)

70-Yb-168

MAT 7025

Dpa inelastic (mt51-91)
Cross Section

70-Yb-168
-10.88 To 3.858 %



78

Incident Energy (eV)

70-Yb-168

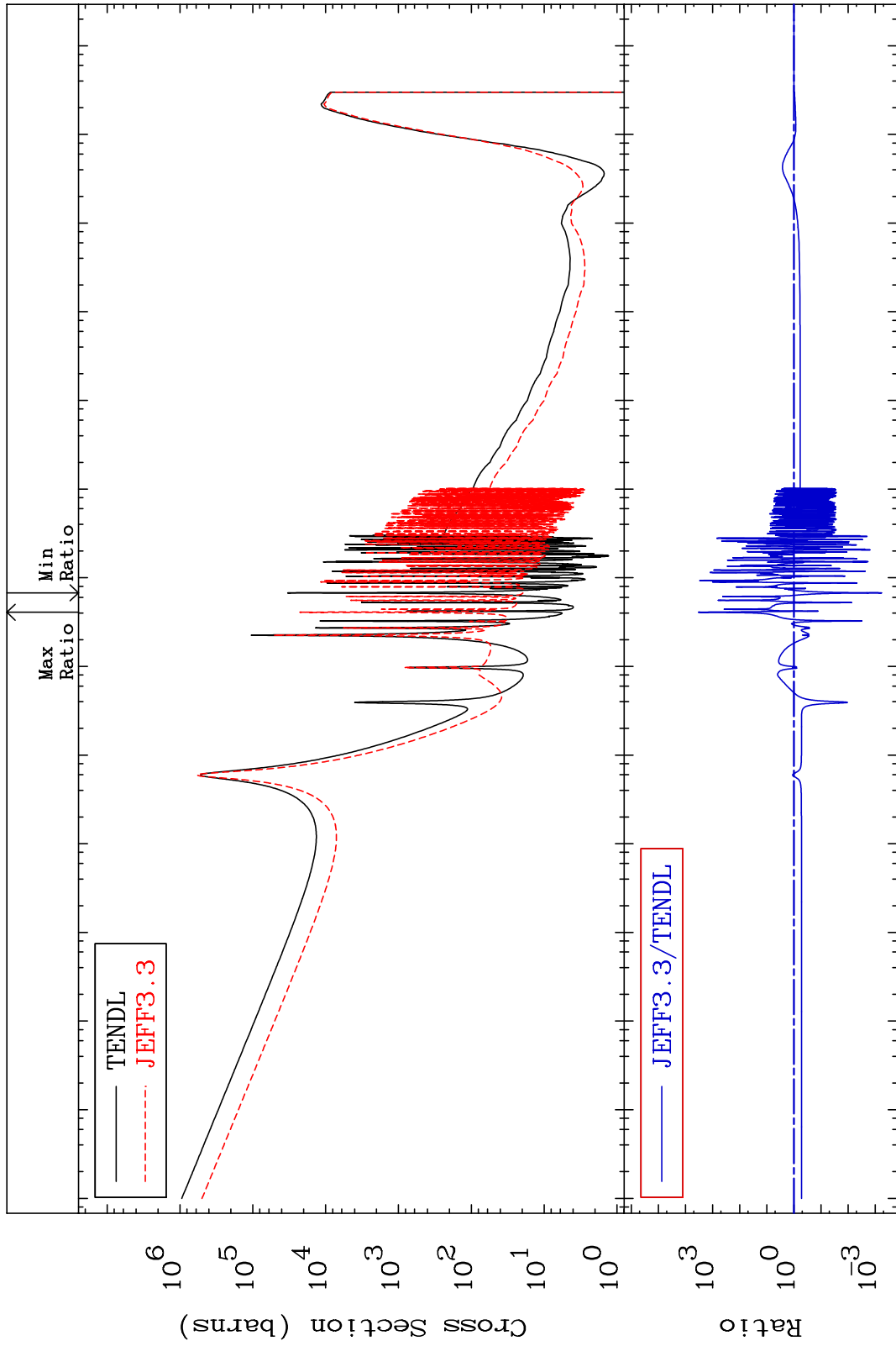
MAT 7025

Dpa disappearance (mt102 -120)

70-Yb-168

-99.94 To 9999. %

Cross Section



79

Incident Energy (eV)

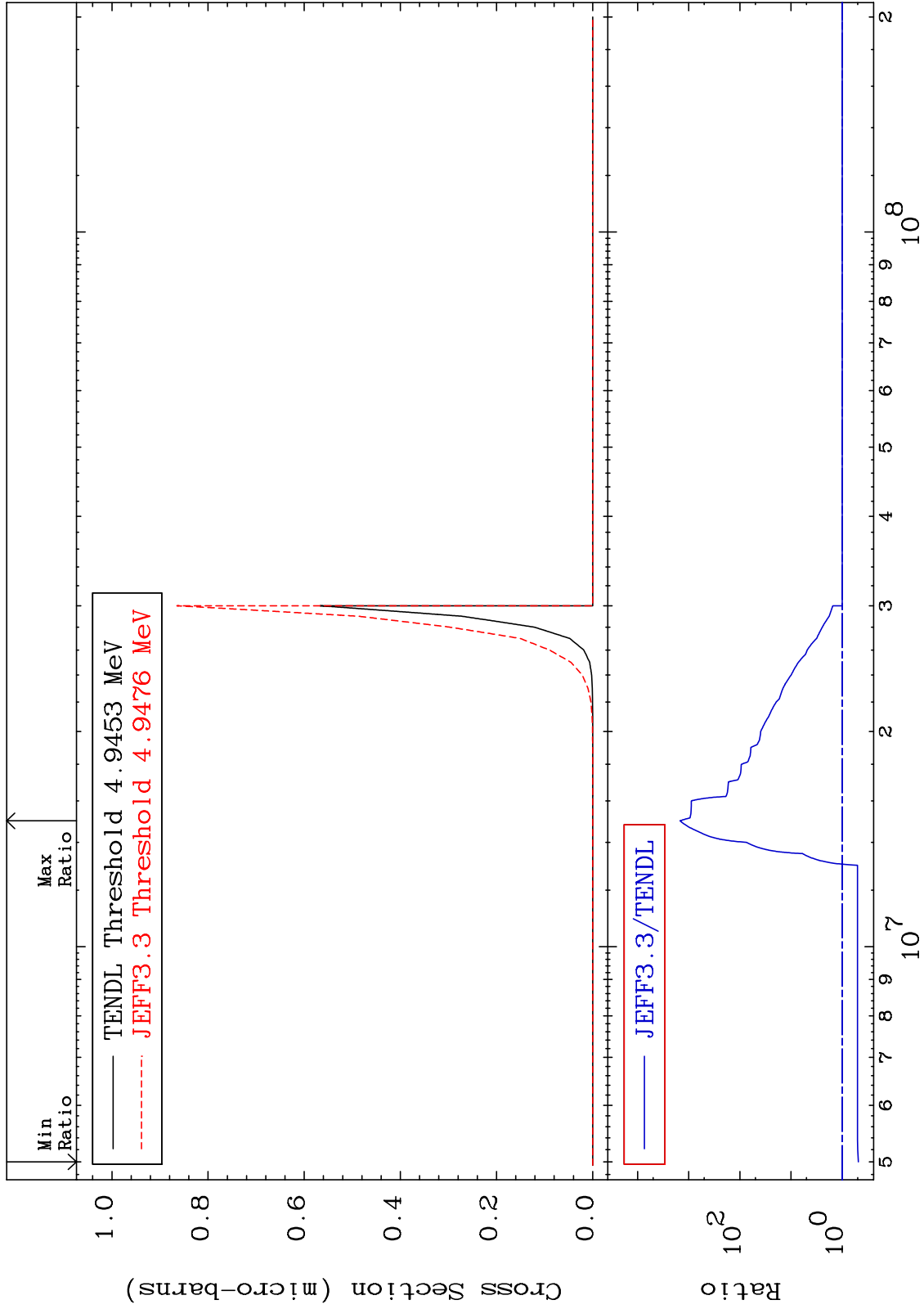
70-Yb-168

MAT 7025

(n, n') p α : 67-Ho-163g

70-Yb-168

Radionuclide Production Cross Section -51.77 To 9999. %



80

Incident Energy (eV)

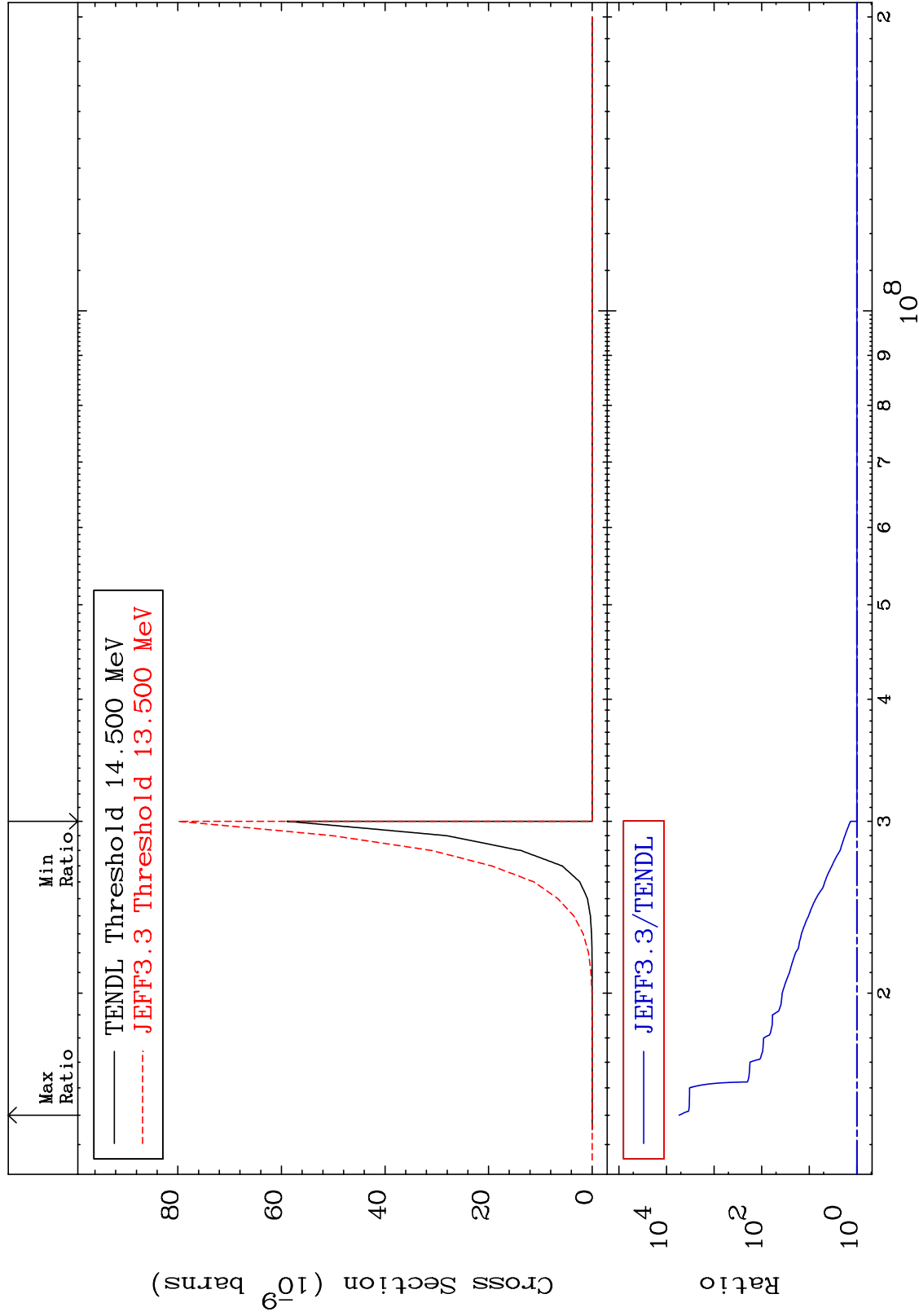
70-Yb-168

MAT 7025

(n, n') p α : 67-Ho-163m3

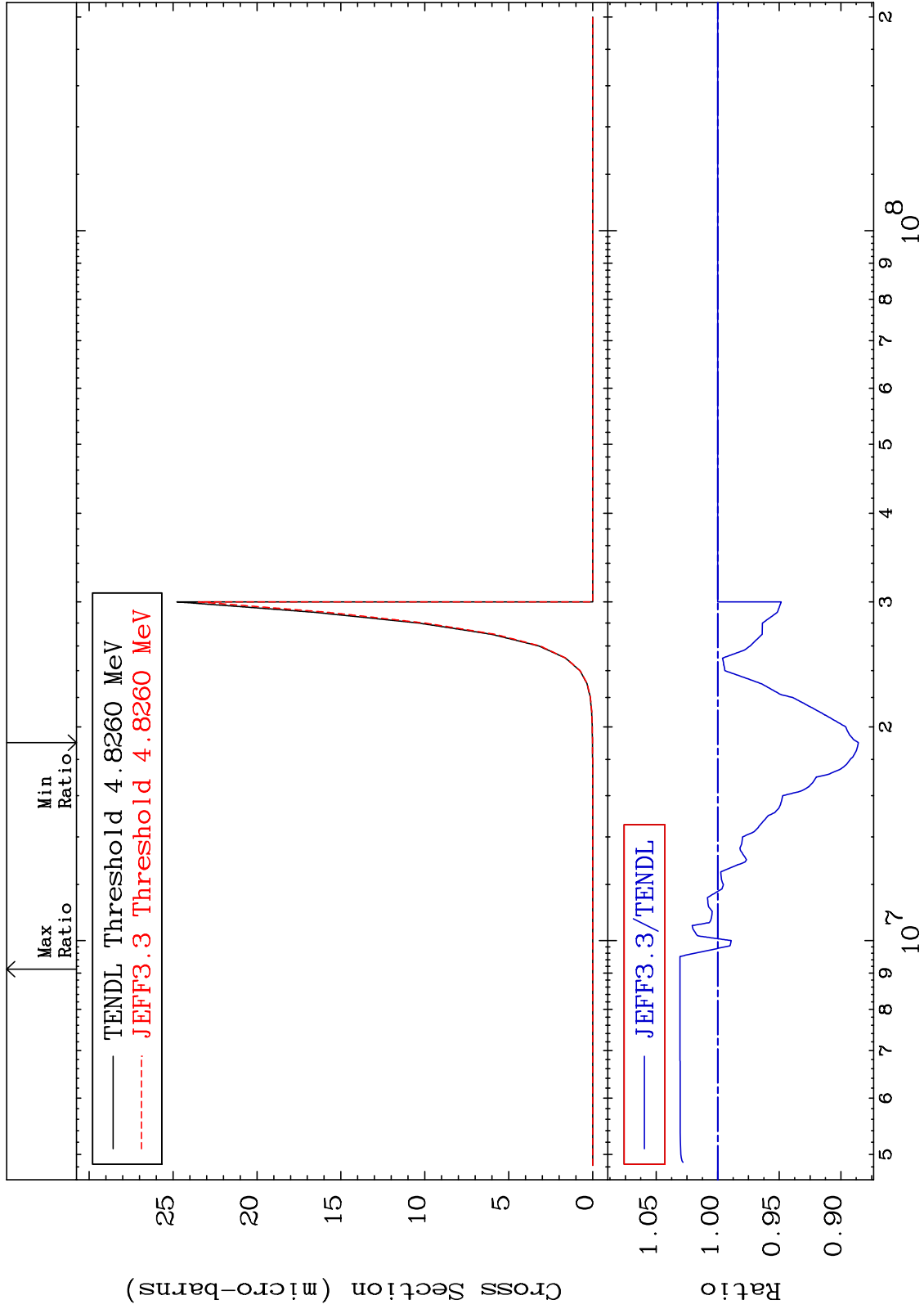
70-Yb-168

Radionuclide Production Cross Section 0.000 To 9999. %



MAT 7025

(n,2p) : 68-Er-167g 70-Yb-168
Radionuclide Production Cross Section -11.43 To 3.064 %

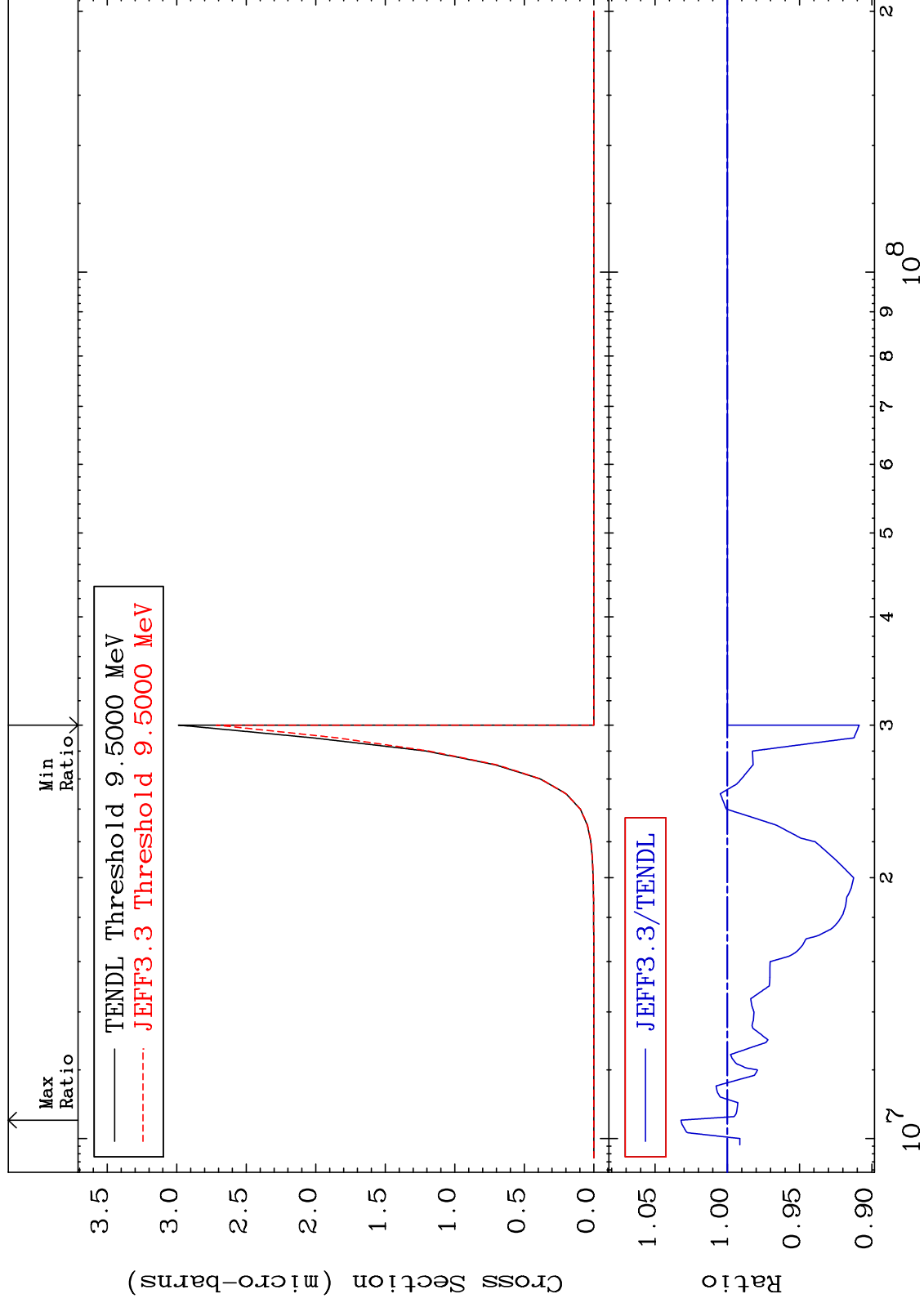


MAT 7025

(n,2p): 68-Er-167m3

70-Yb-168

Radionuclide Production Cross Section -9.134 To 3.200 %



83

Incident Energy (eV)

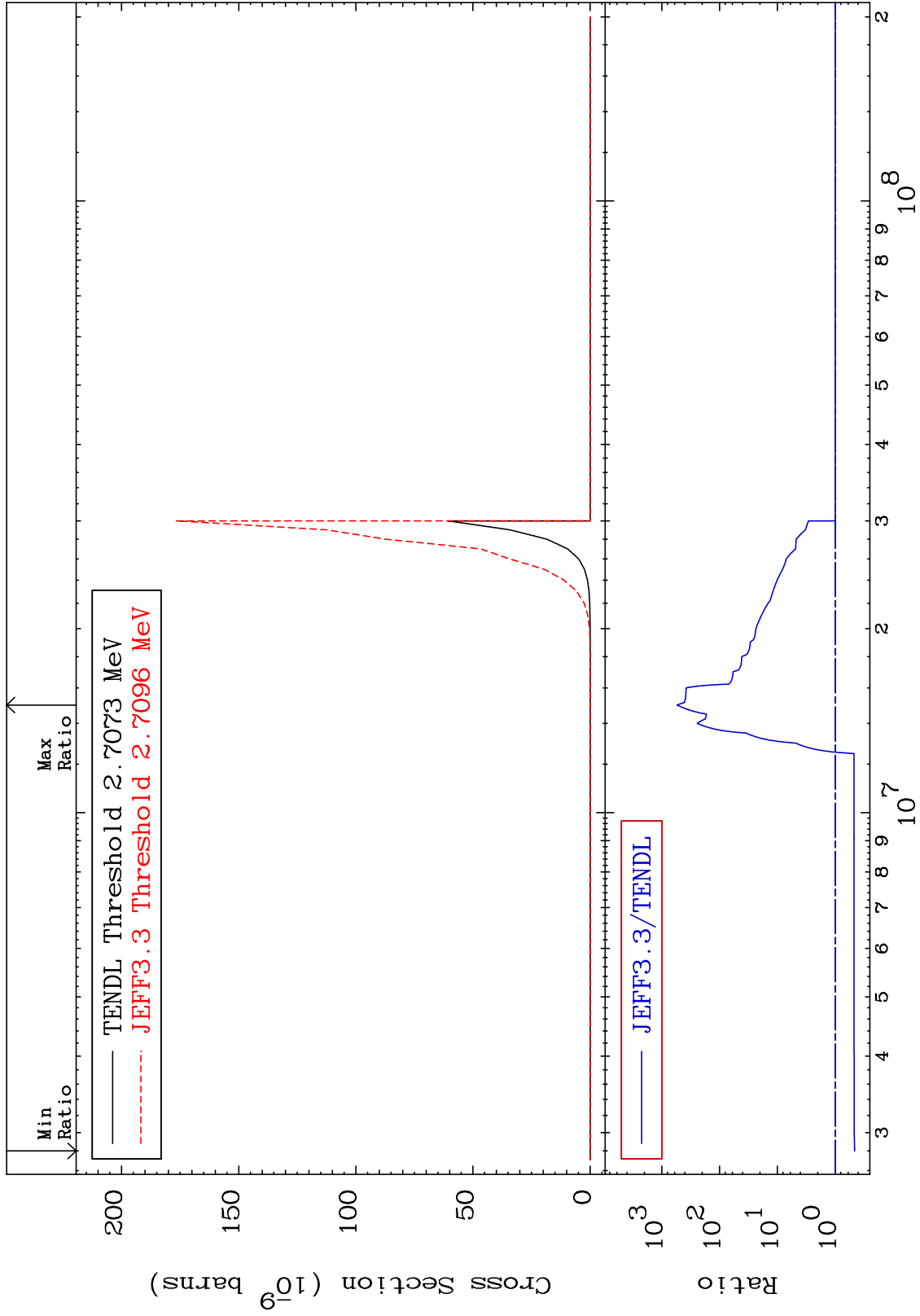
70-Yb-168

MAT 7025

(n, d) α : 67-Ho-163g

70-Yb-168

Radionuclide Production Cross Section -53.95 To 9999. %



MAT 7025

(n,d) α :67-Ho-163m3

70-Yb-168

Radionuclide Production Cross Section 0.000 To 9999. %

