

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

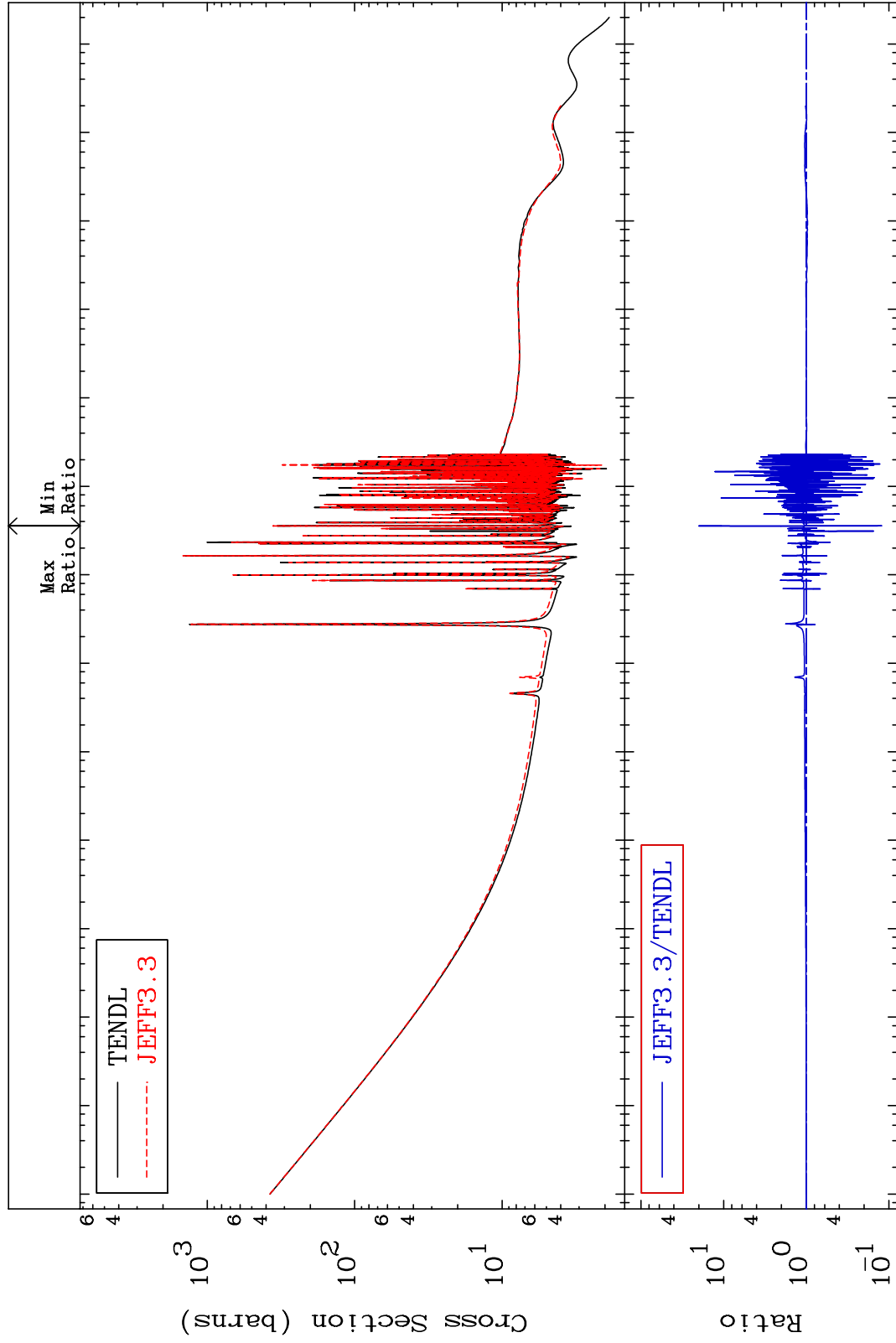
MAT 4840

Total

48-Cd-111

Cross Section

-87.70 To 1904. %



Incident Energy (eV)

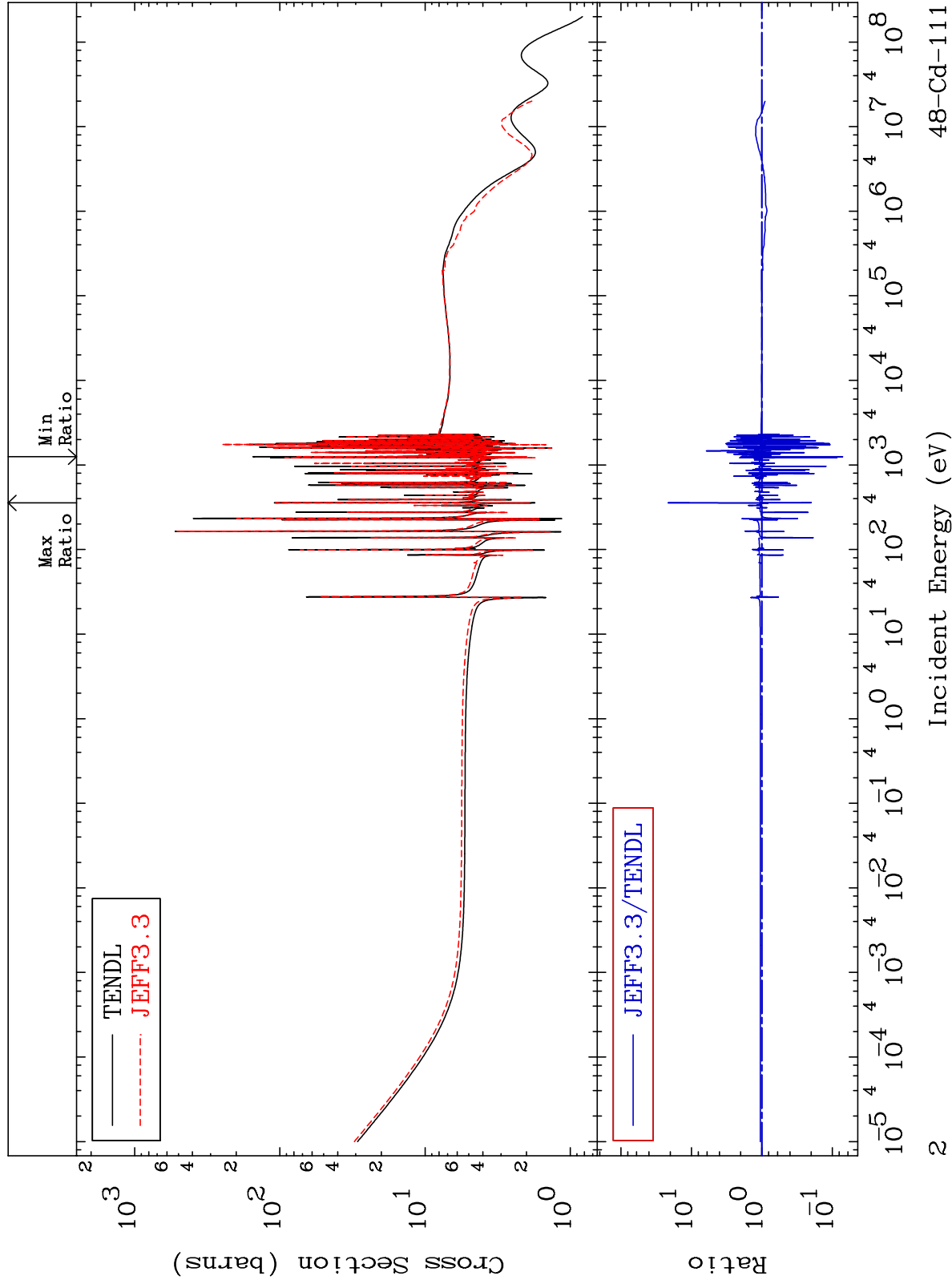
48-Cd-111

1

MAT 4840

Elastic
Cross Section

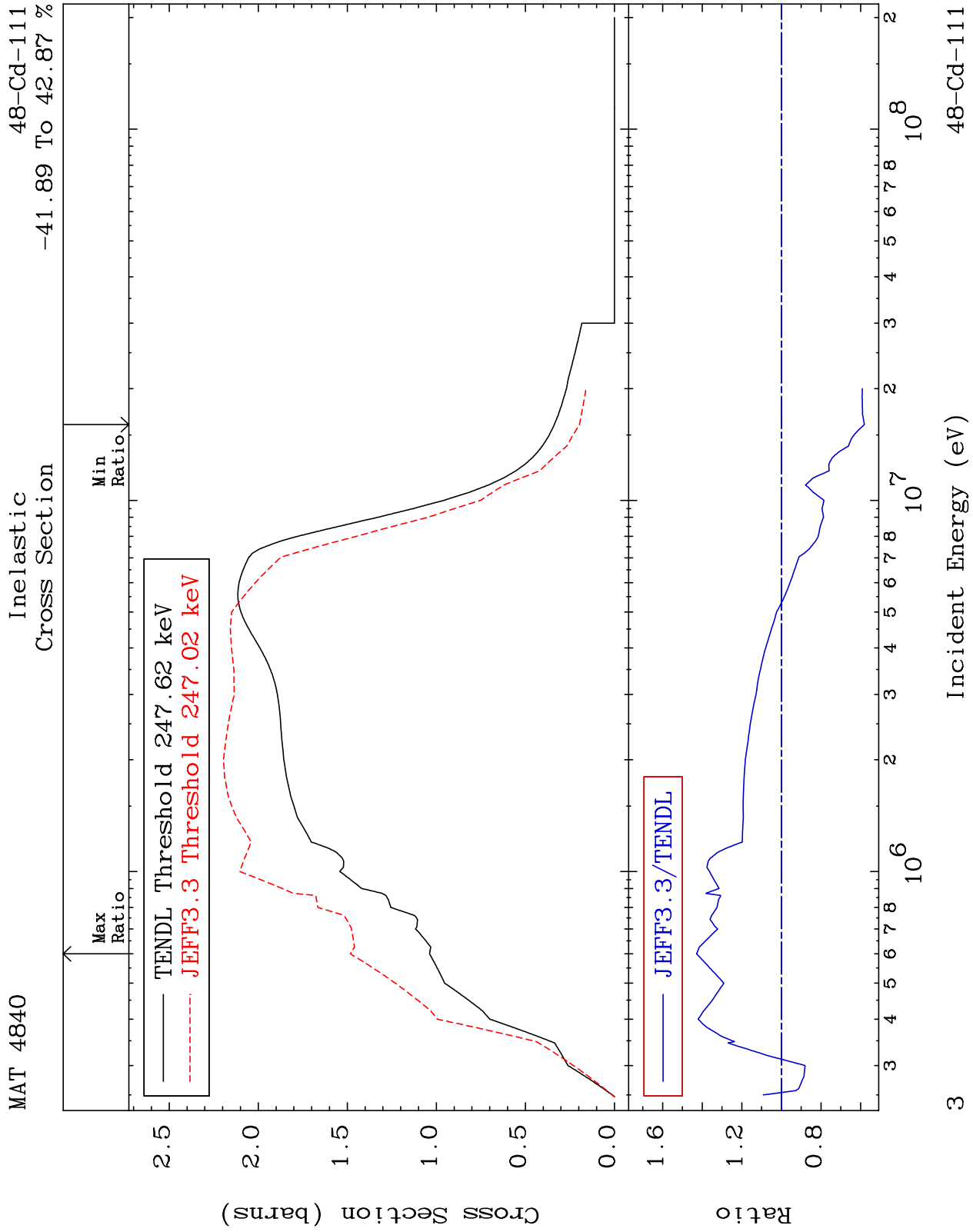
48-Cd-111
-92.91 To 2048. %



48-Cd-111

Incident Energy (eV)

2



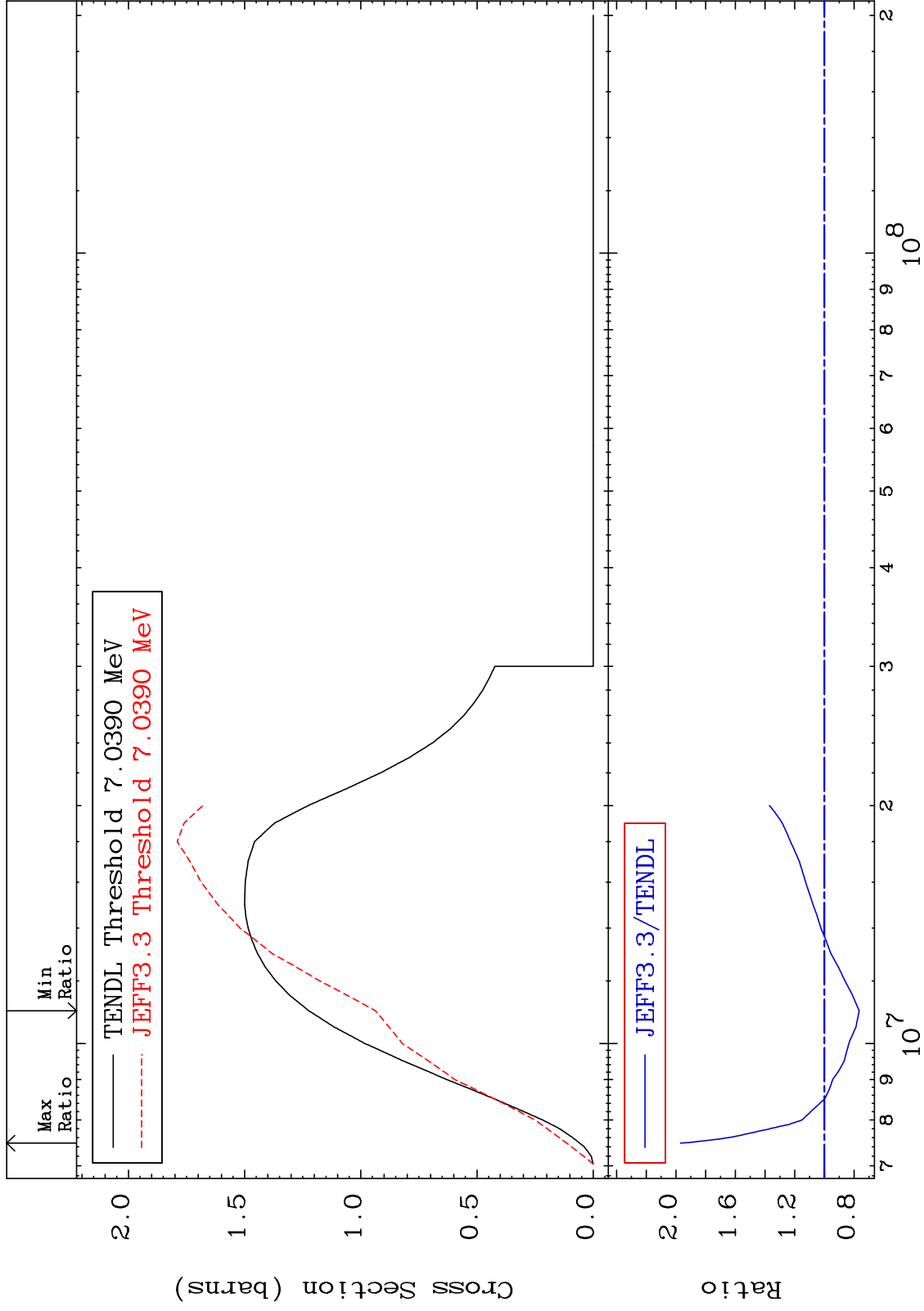
MAT 4840

(n,2n)

48-Cd-111

Cross Section

-23.43 To 96.87 %



4

Incident Energy (eV)

48-Cd-111

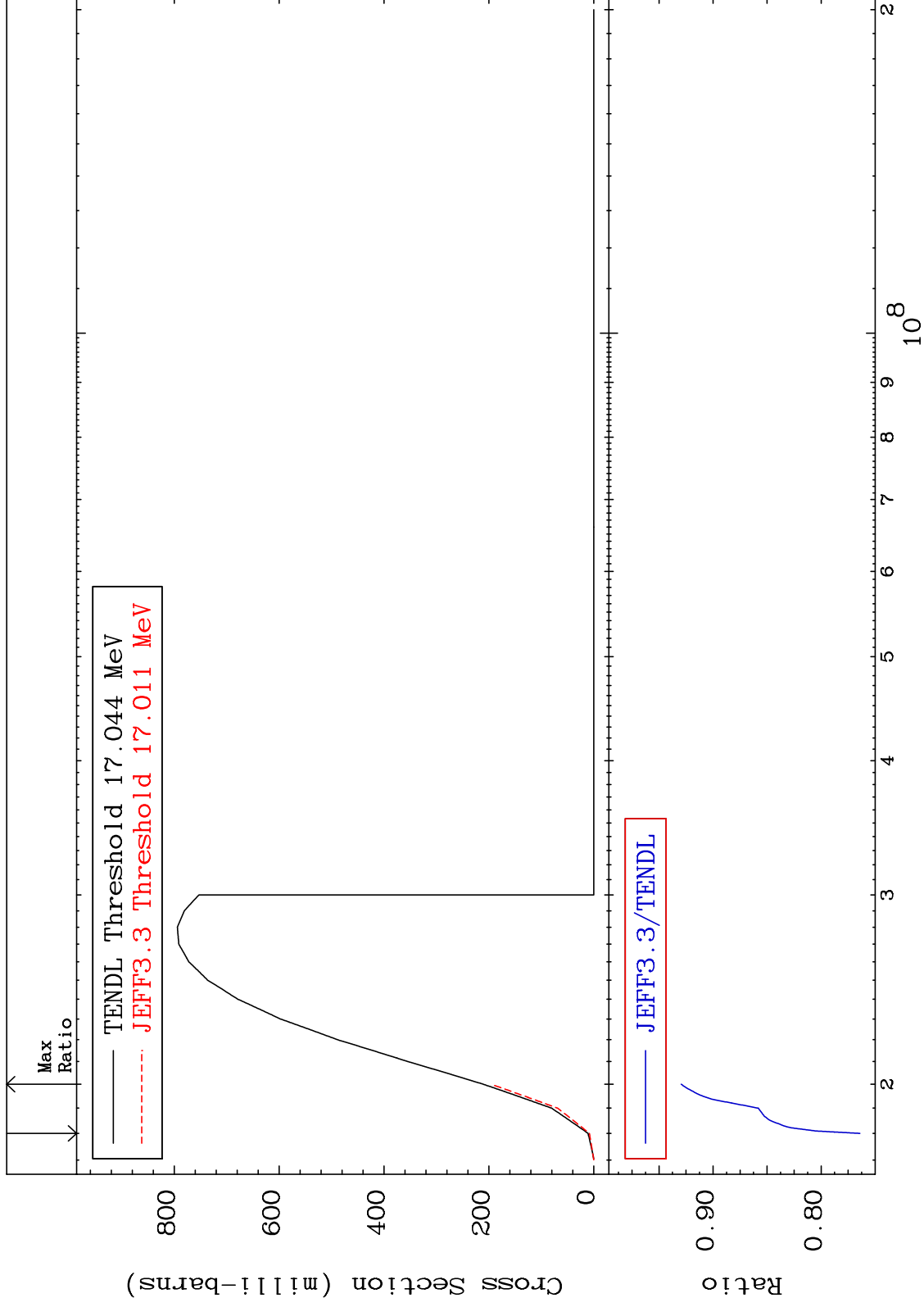
MAT 4840

(n, 3n)

48-Cd-111

Cross Section

-23.59 To -7.055%



5

Incident Energy (eV)

48-Cd-111

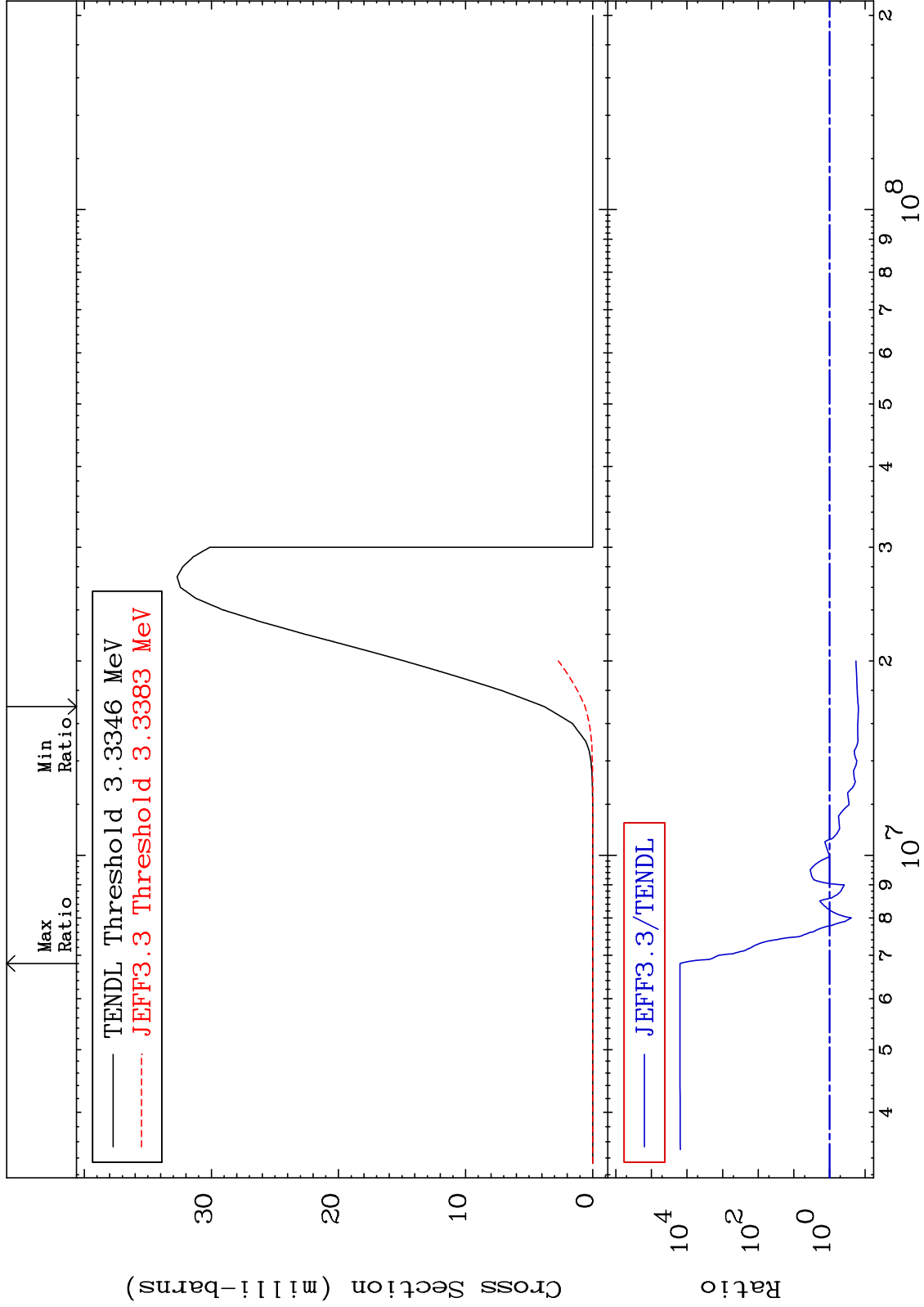
MAT 4840

(n, n') α

48-Cd-111

-84.54 To 9999. %

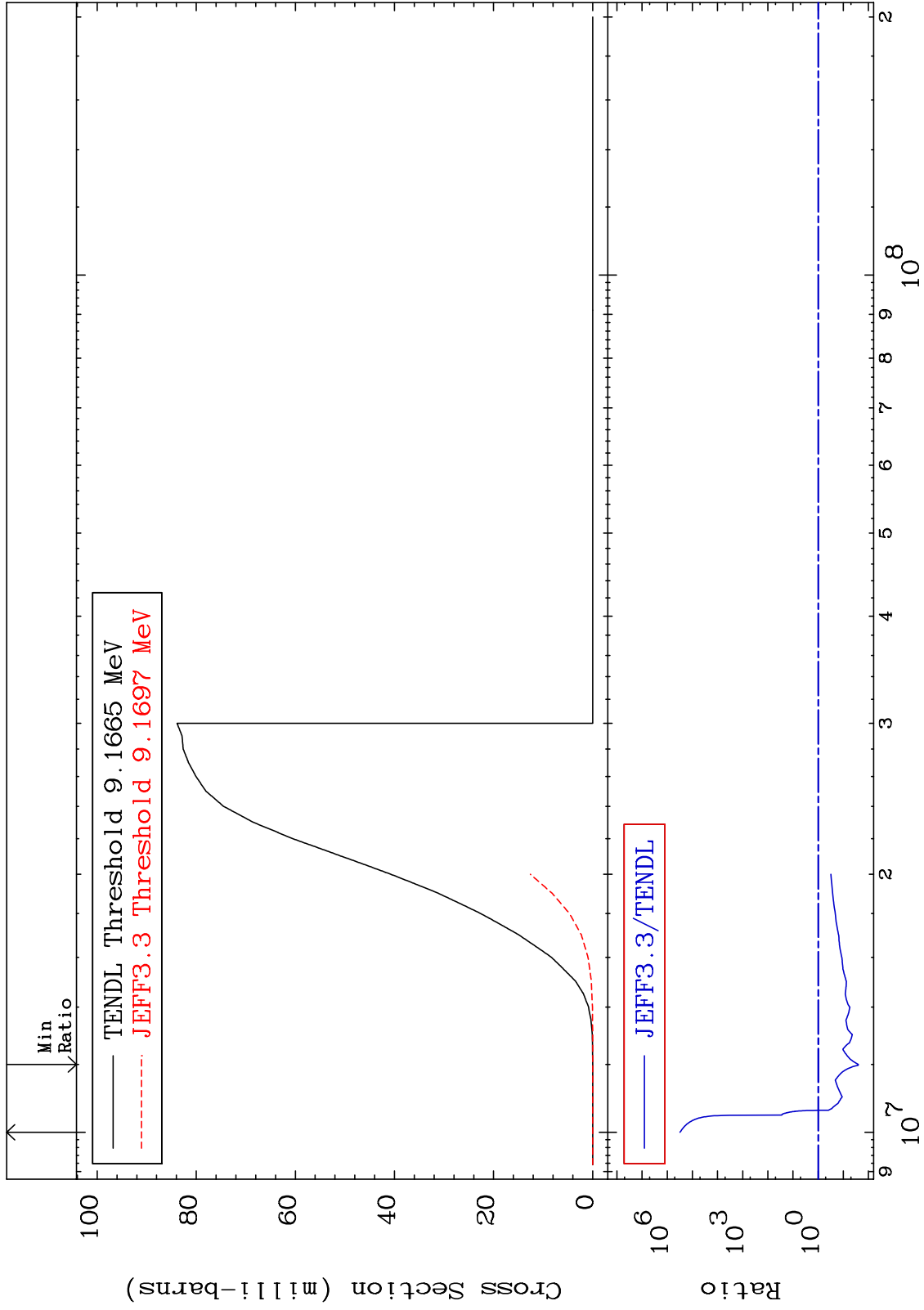
Cross Section



MAT 4840

(n,n') p
Cross Section

48-Cd-111
-97.49 To 9999. %



Incident Energy (eV)

48-Cd-111

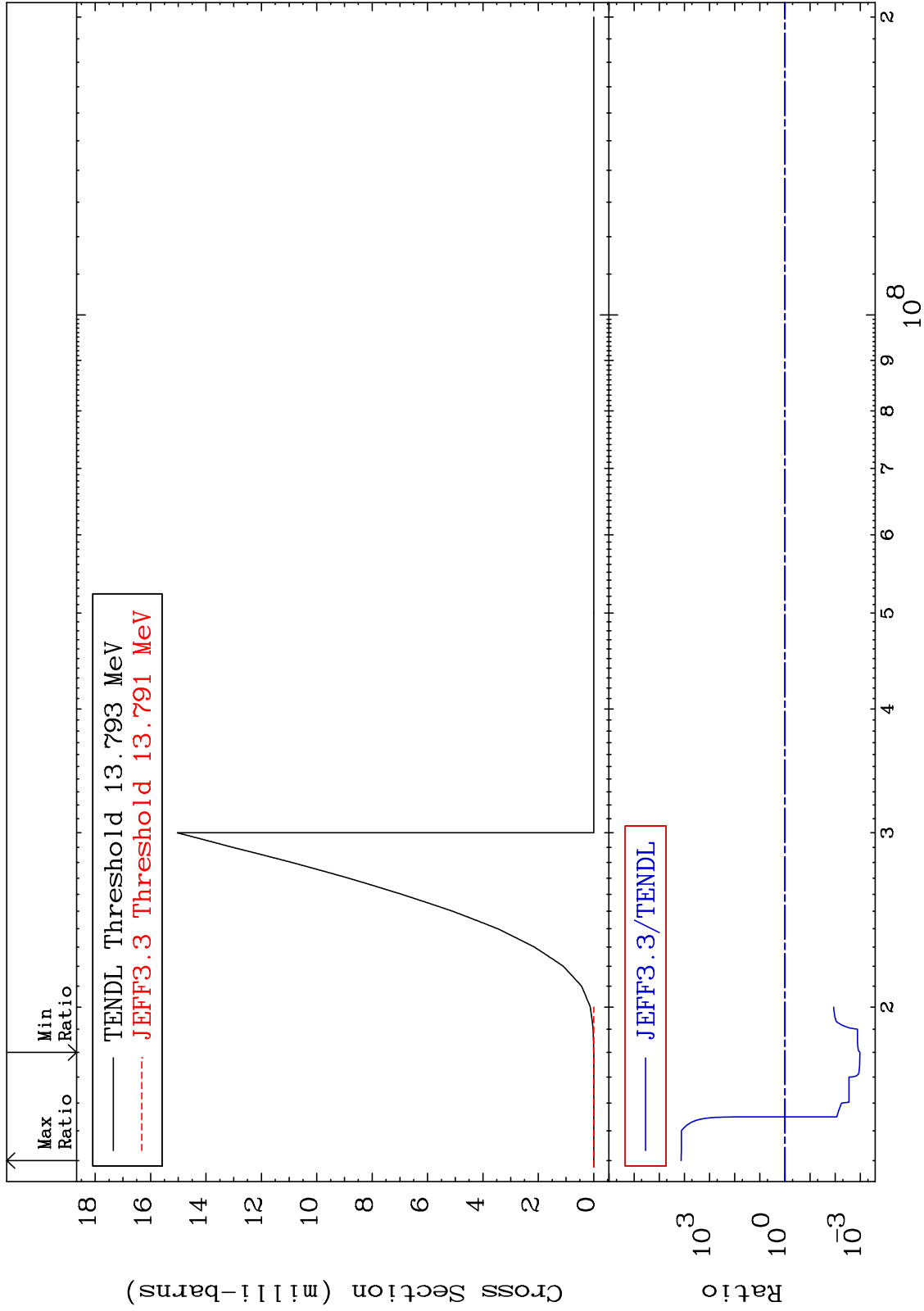
MAT 4840

(n,n') d

48-Cd-111

Cross Section

-99.90 To 9999. %



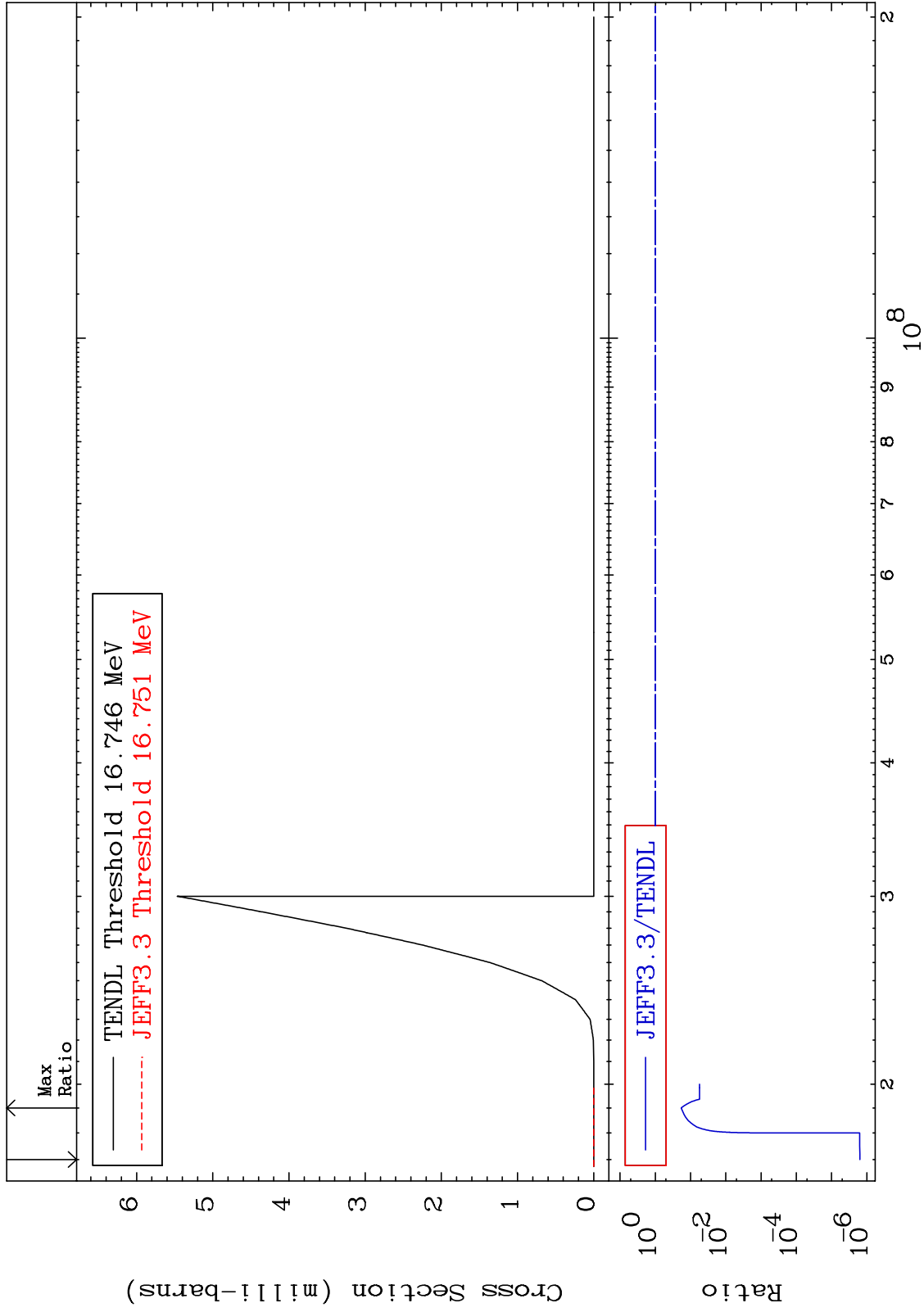
MAT 4840

(n, n') t

48-Cd-111

Cross Section

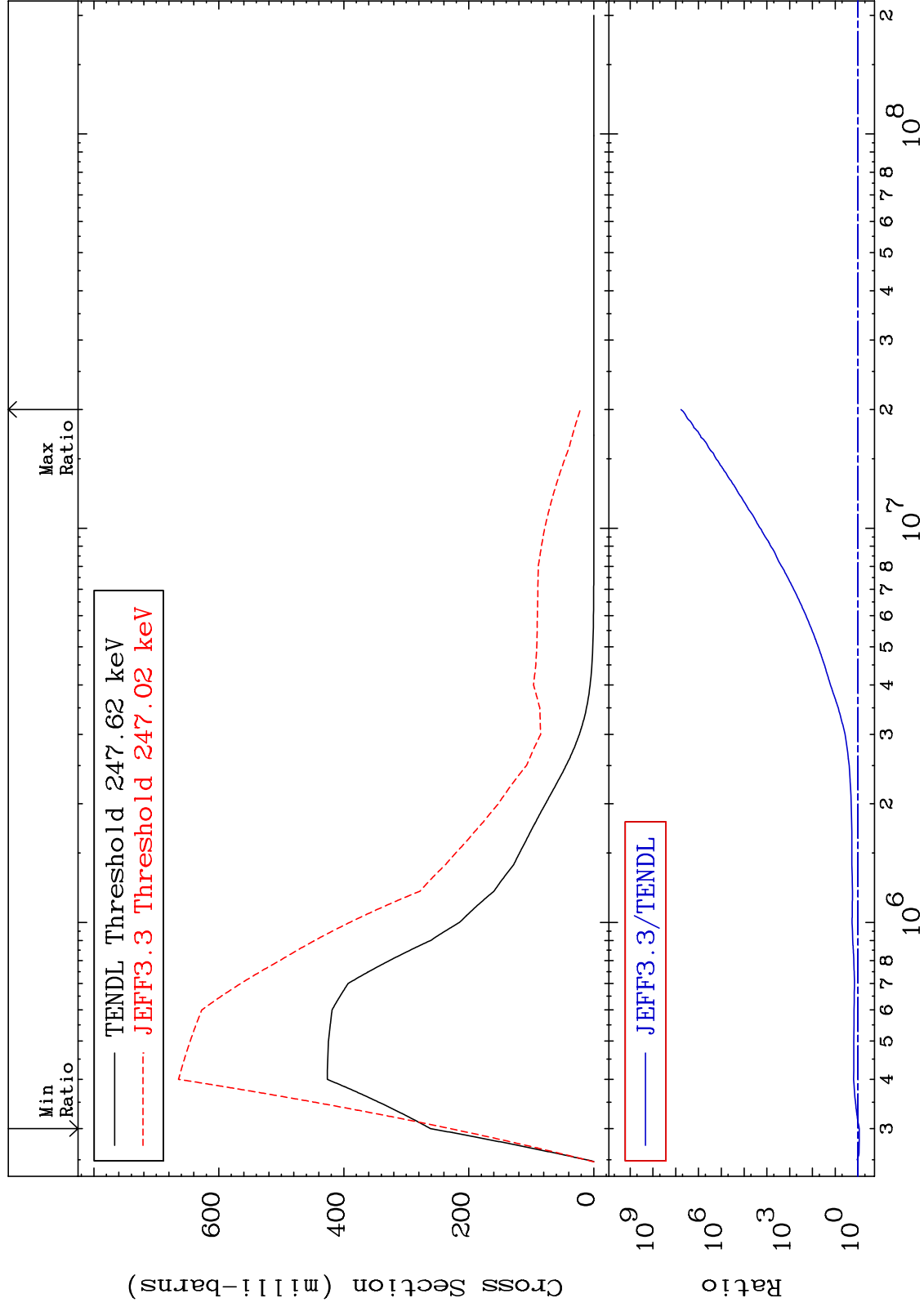
-100.0 To -81.61%



MAT 4840

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

48-Cd-111
-11.96 To 9999. %

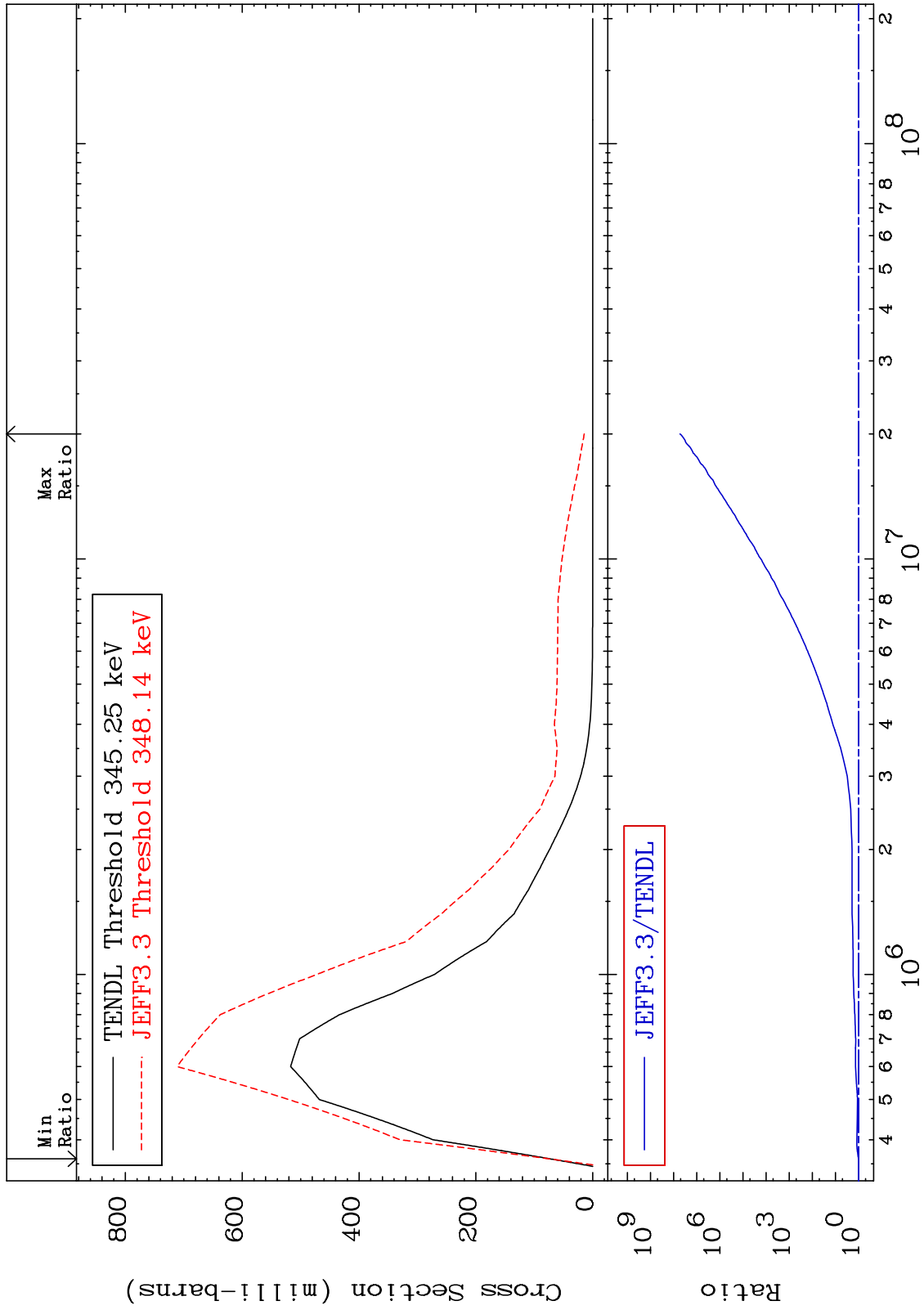


10

Incident Energy (eV)

48-Cd-111

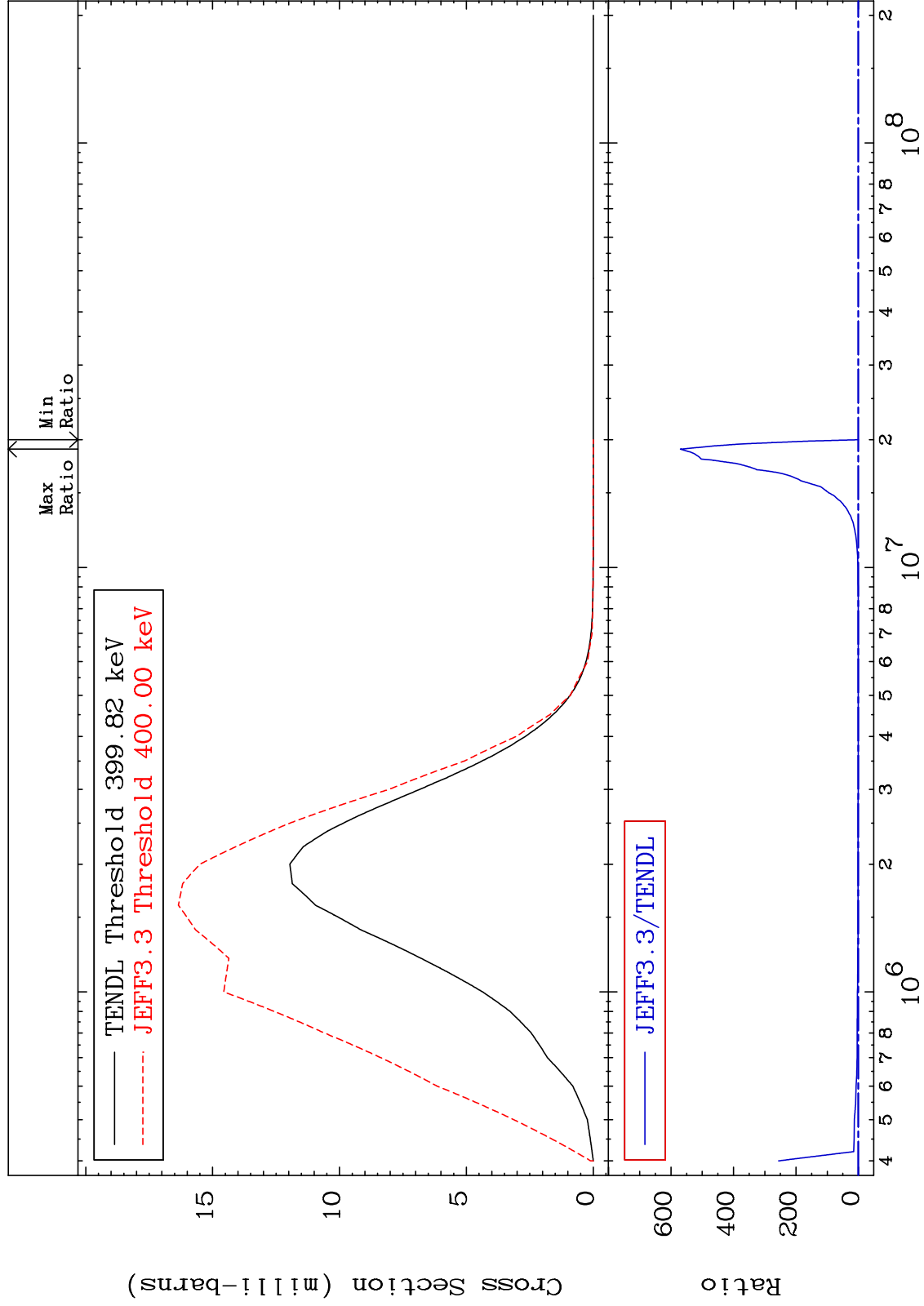
MAT 4840 MT= 52 (n,n') Level Cross Section 48-Cd-111
 2.472 To 9999. %



MAT 4840

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

48-Cd-111
-100.0 To 9999. %

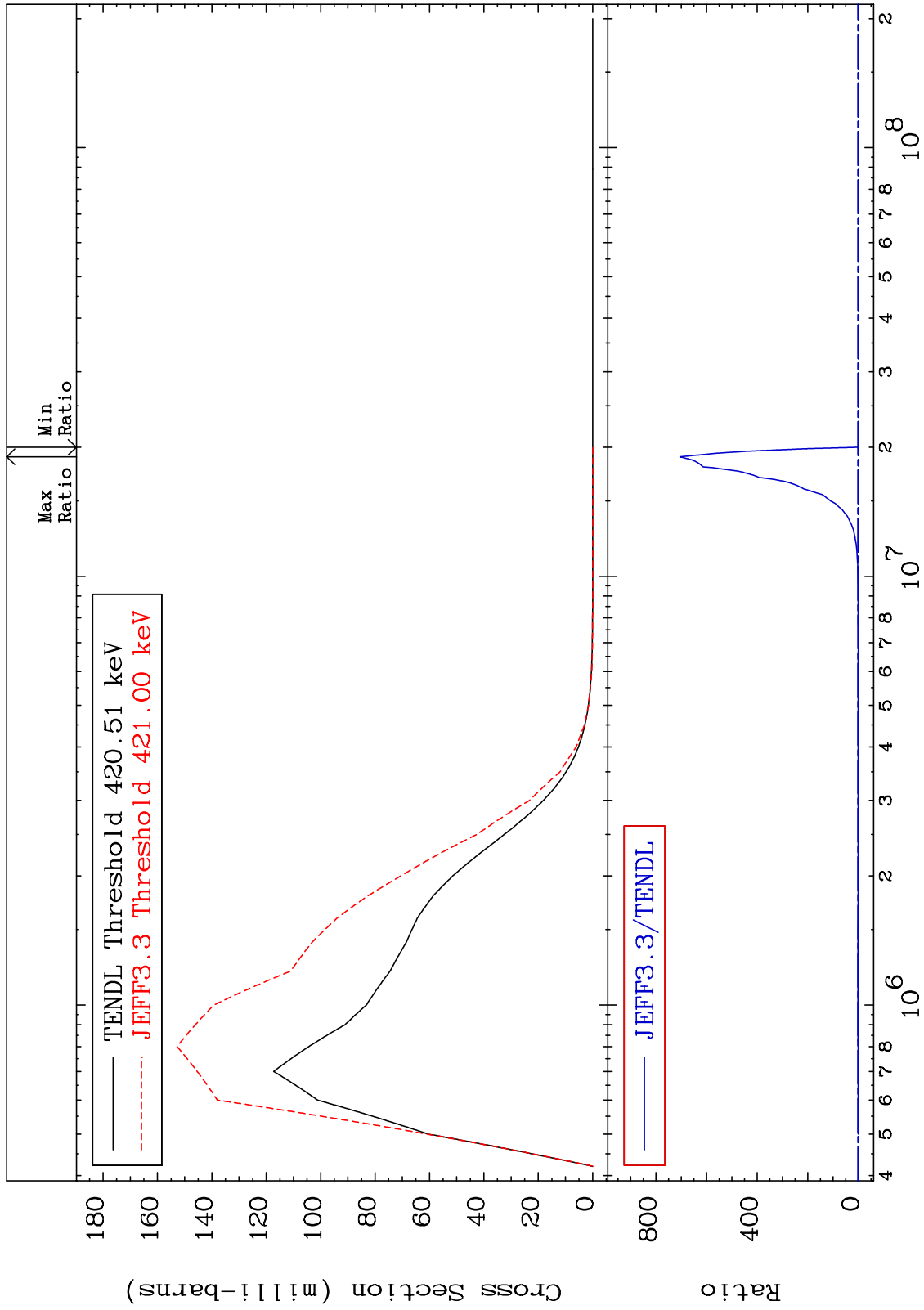


12

Incident Energy (eV)

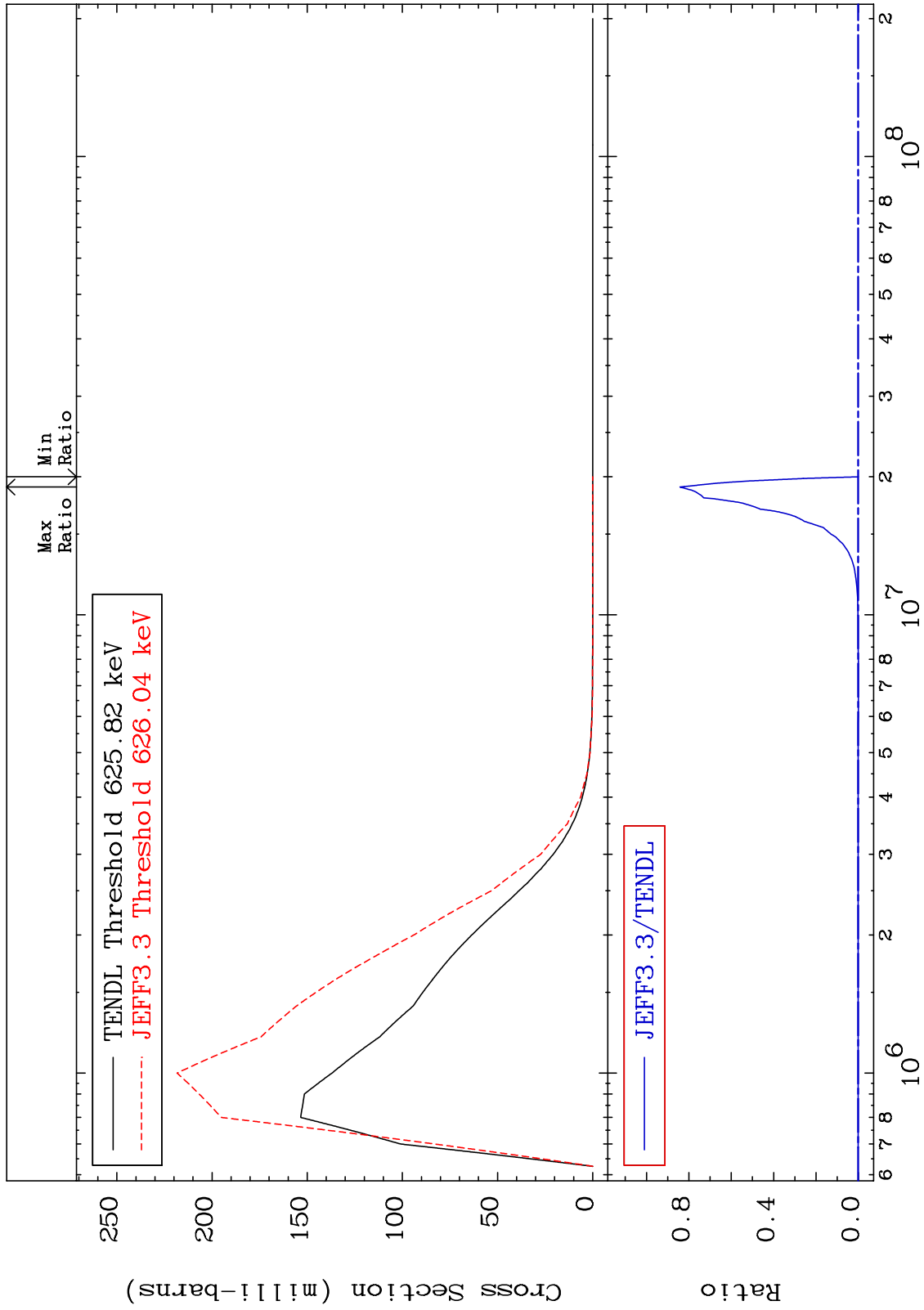
48-Cd-111

MAT 4840 MT= 54 (n,n') Level 48-Cd-111
 Cross Section -100.0 To 9999. %

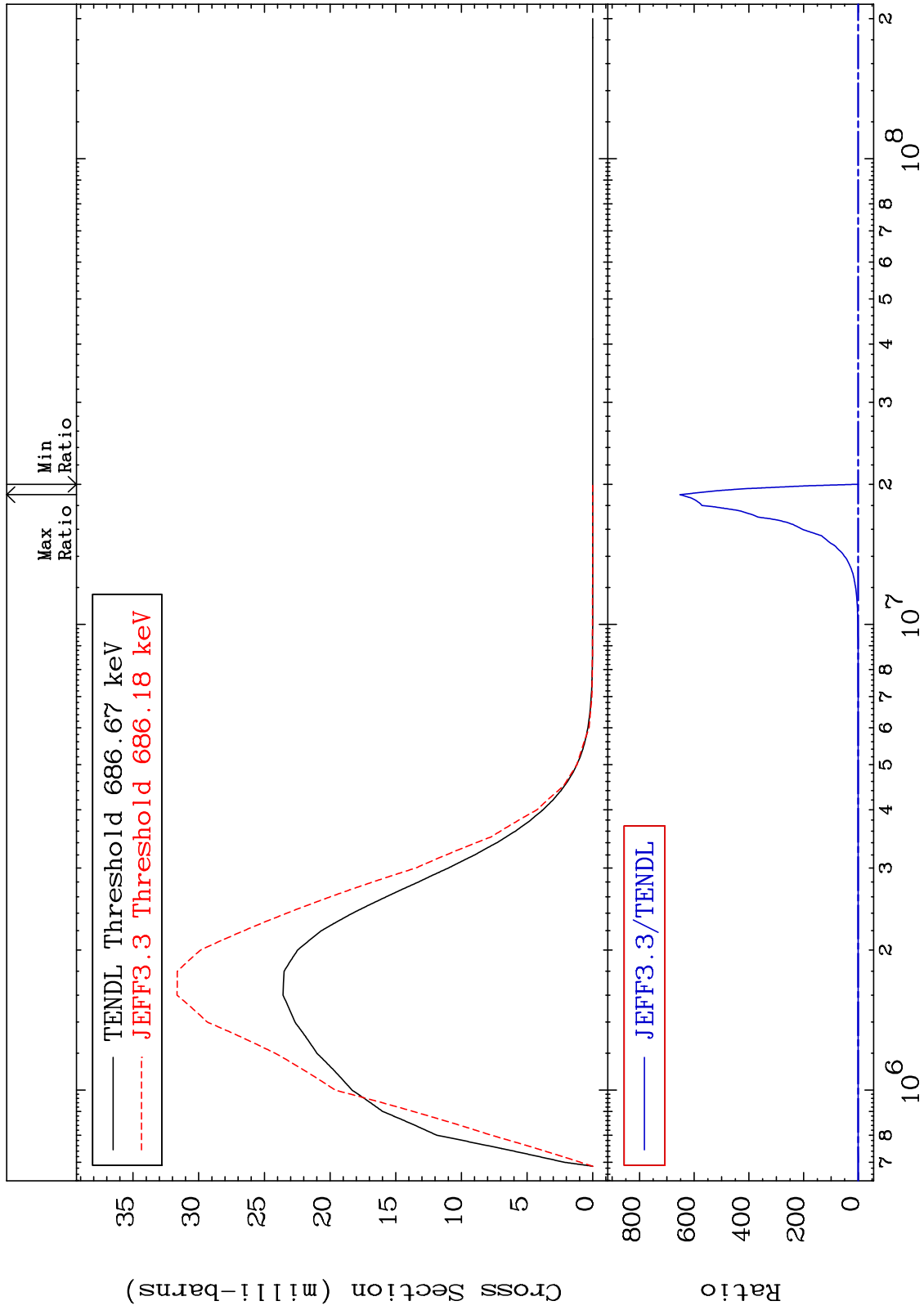


13 Incident Energy (eV) 48-Cd-111

MAT 4840 MT= 55 (n,n') Level 48-Cd-111
 Cross Section -100.0 To 9999. %



MAT 4840 MT= 56 (n,n') Level 48-Cd-111
Cross Section -100.0 To 9999. %

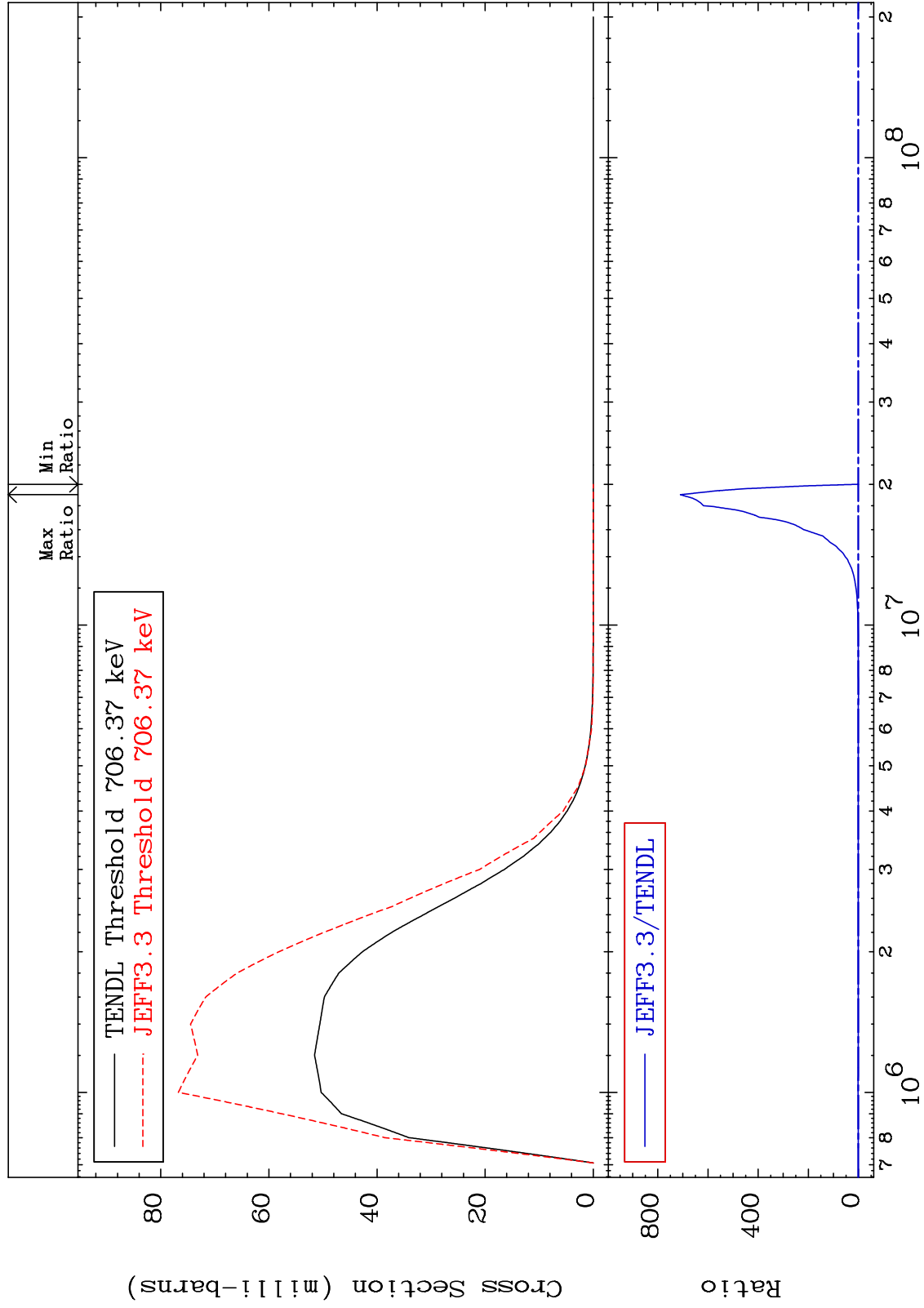


15 Incident Energy (eV) 48-Cd-111

MAT 4840

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

48-Cd-111
-100.0 To 9999. %



16

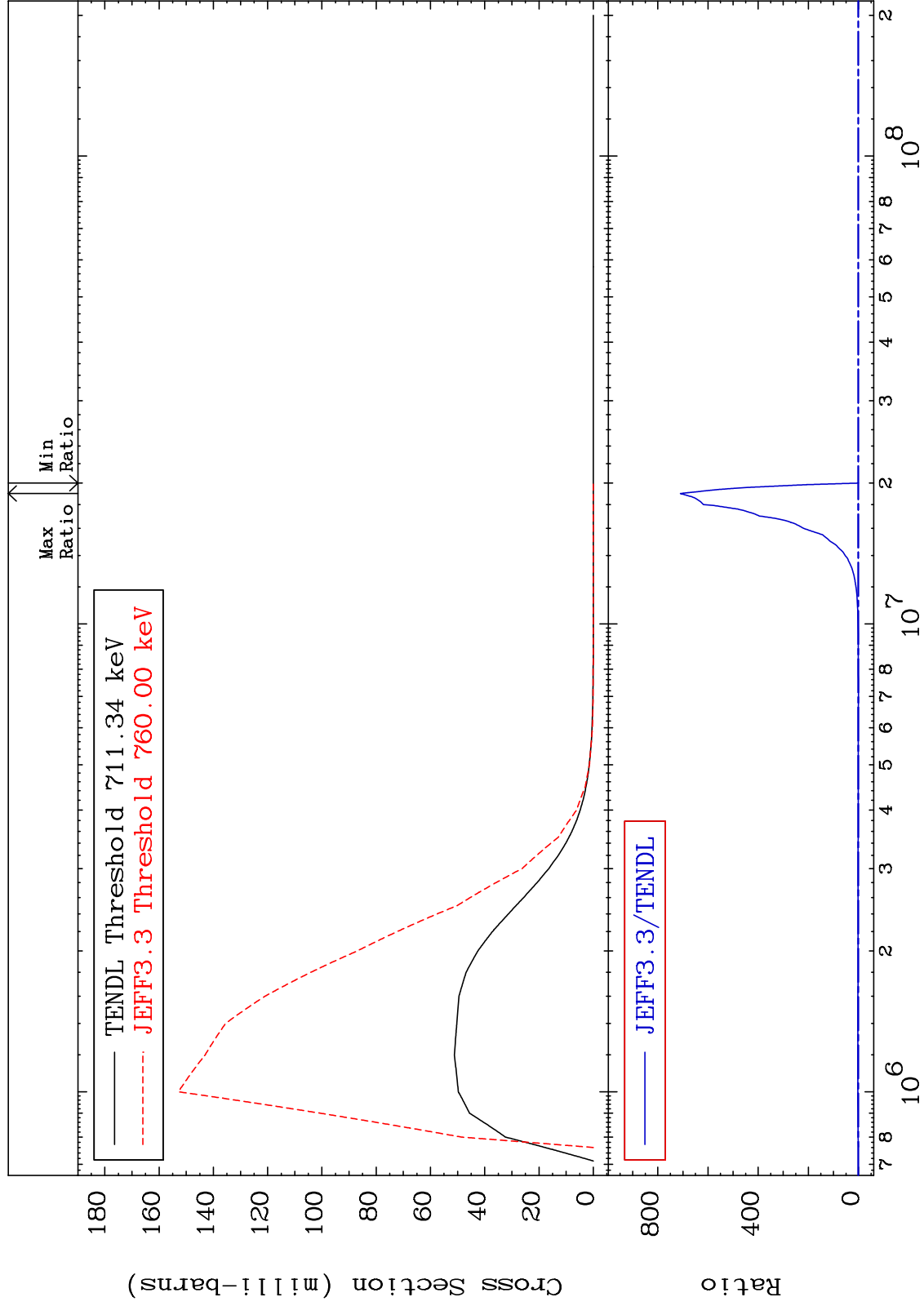
Incident Energy (eV)

48-Cd-111

MAT 4840

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

48-Cd-111
-100.0 To 9999. %



17

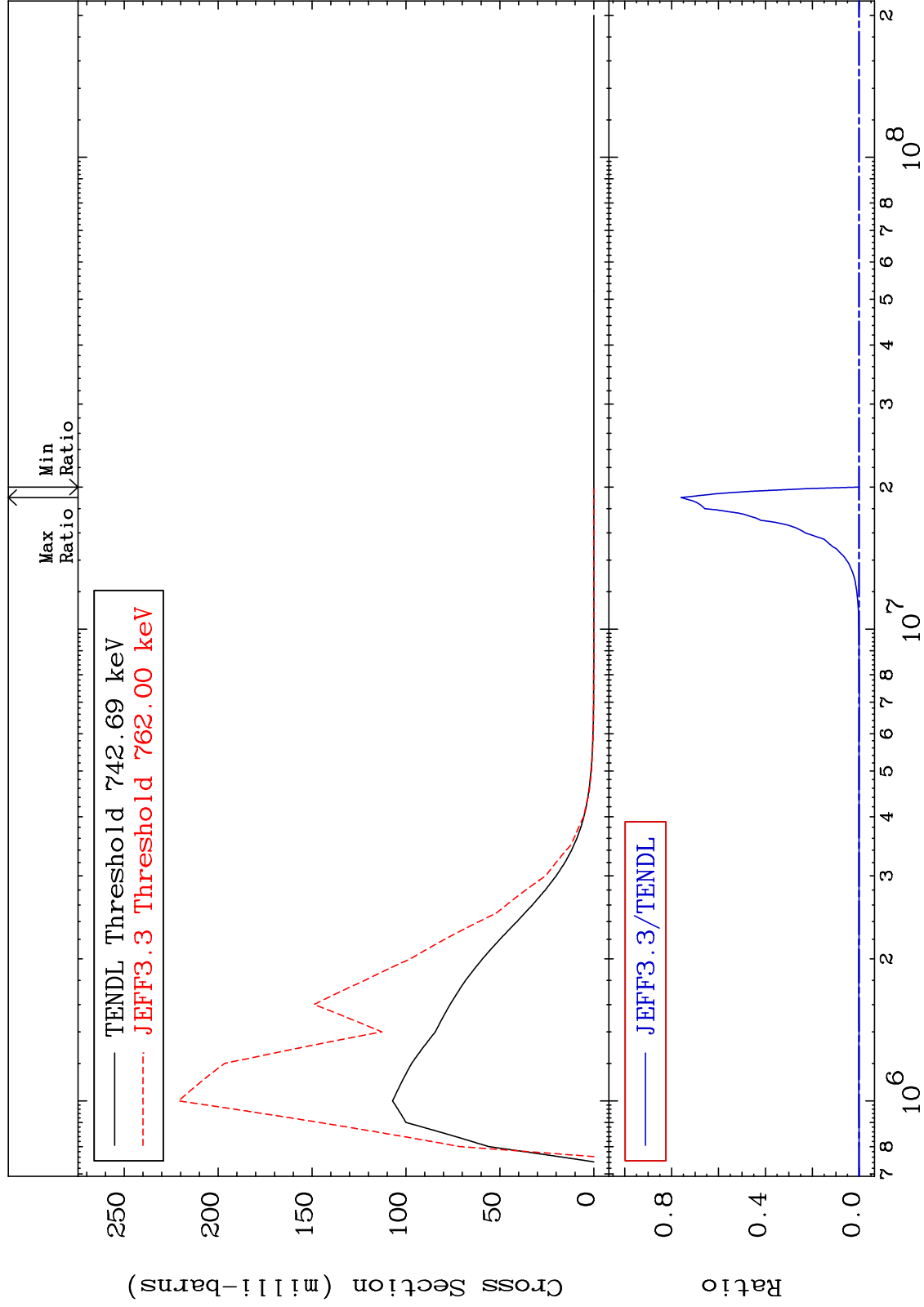
Incident Energy (eV)

48-Cd-111

MAT 4840

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

48-Cd-111
-100.0 To 9999. %



18

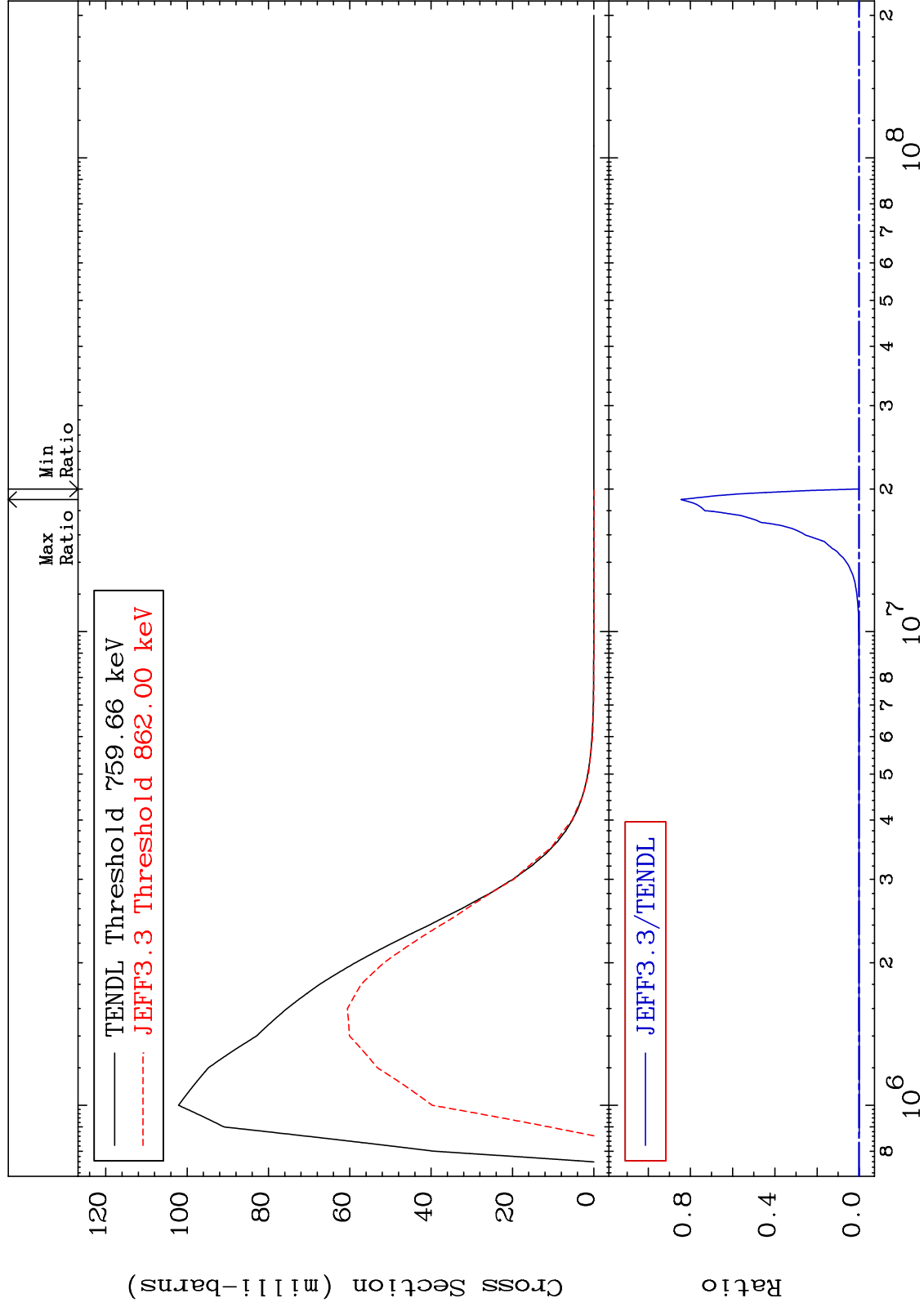
Incident Energy (eV)

48-Cd-111

MAT 4840

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

48-Cd-111
-100.0 To 9999. %



19

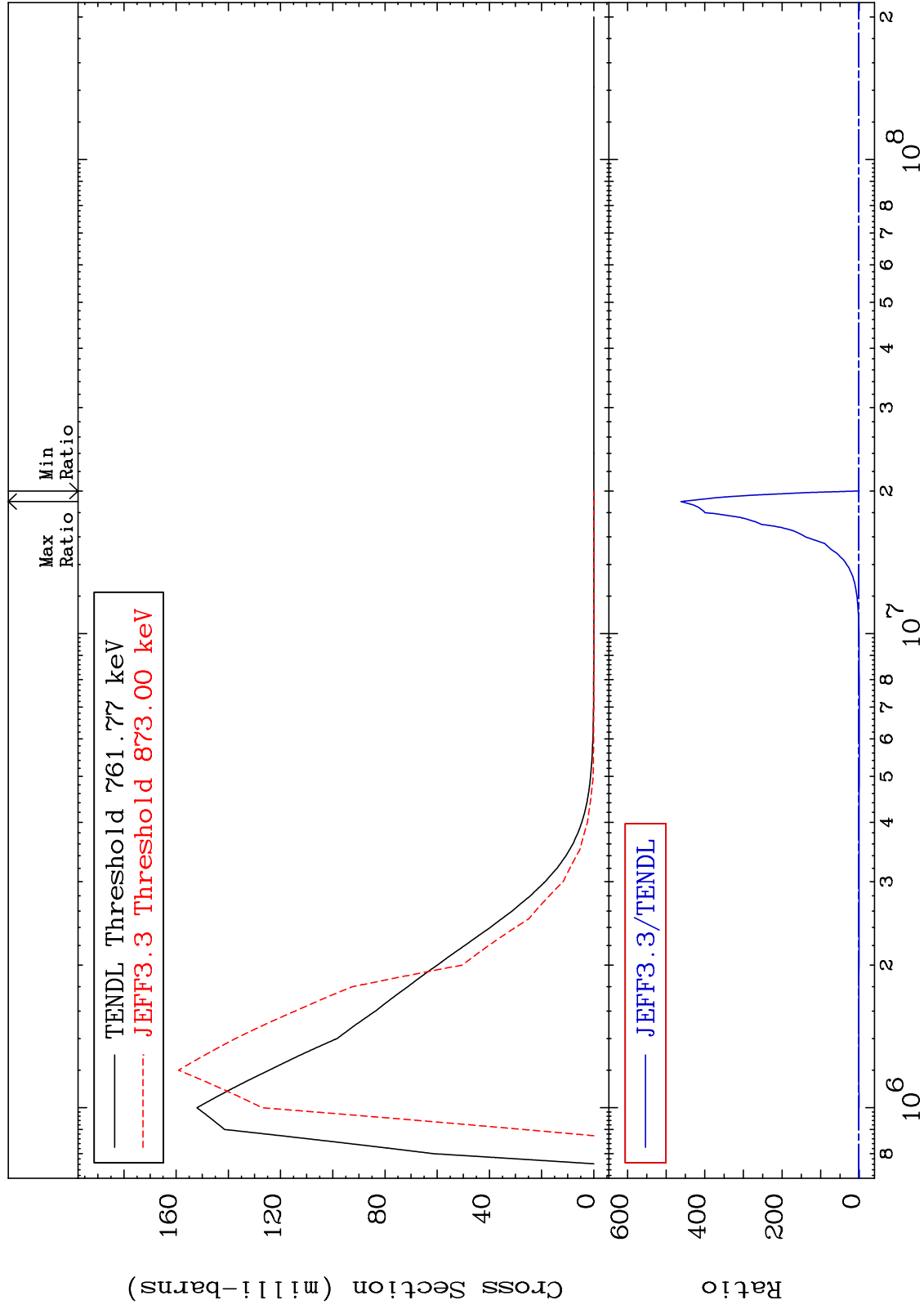
Incident Energy (eV)

48-Cd-111

MAT 4840

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

48-Cd-111
-100.0 To 9999. %

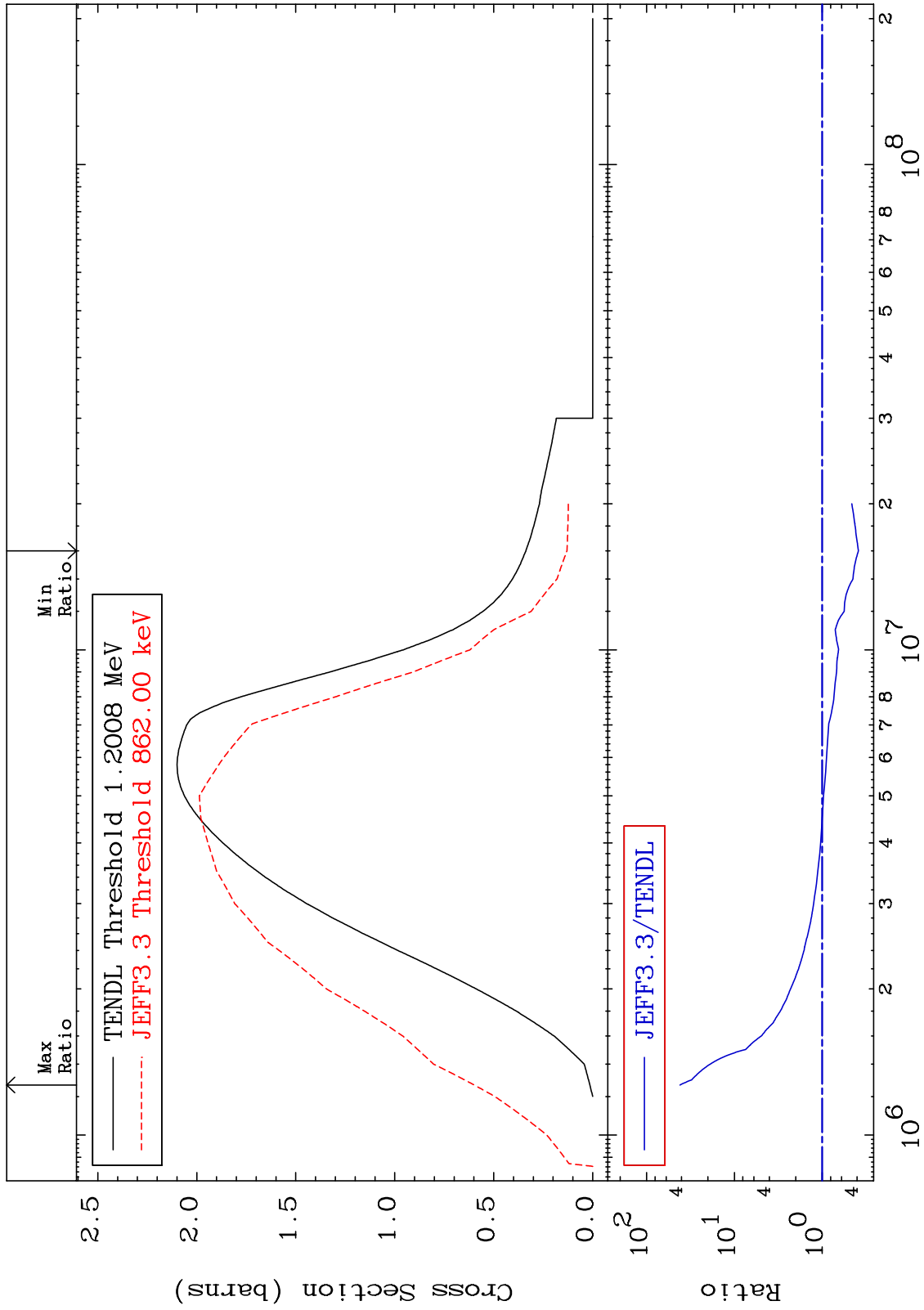


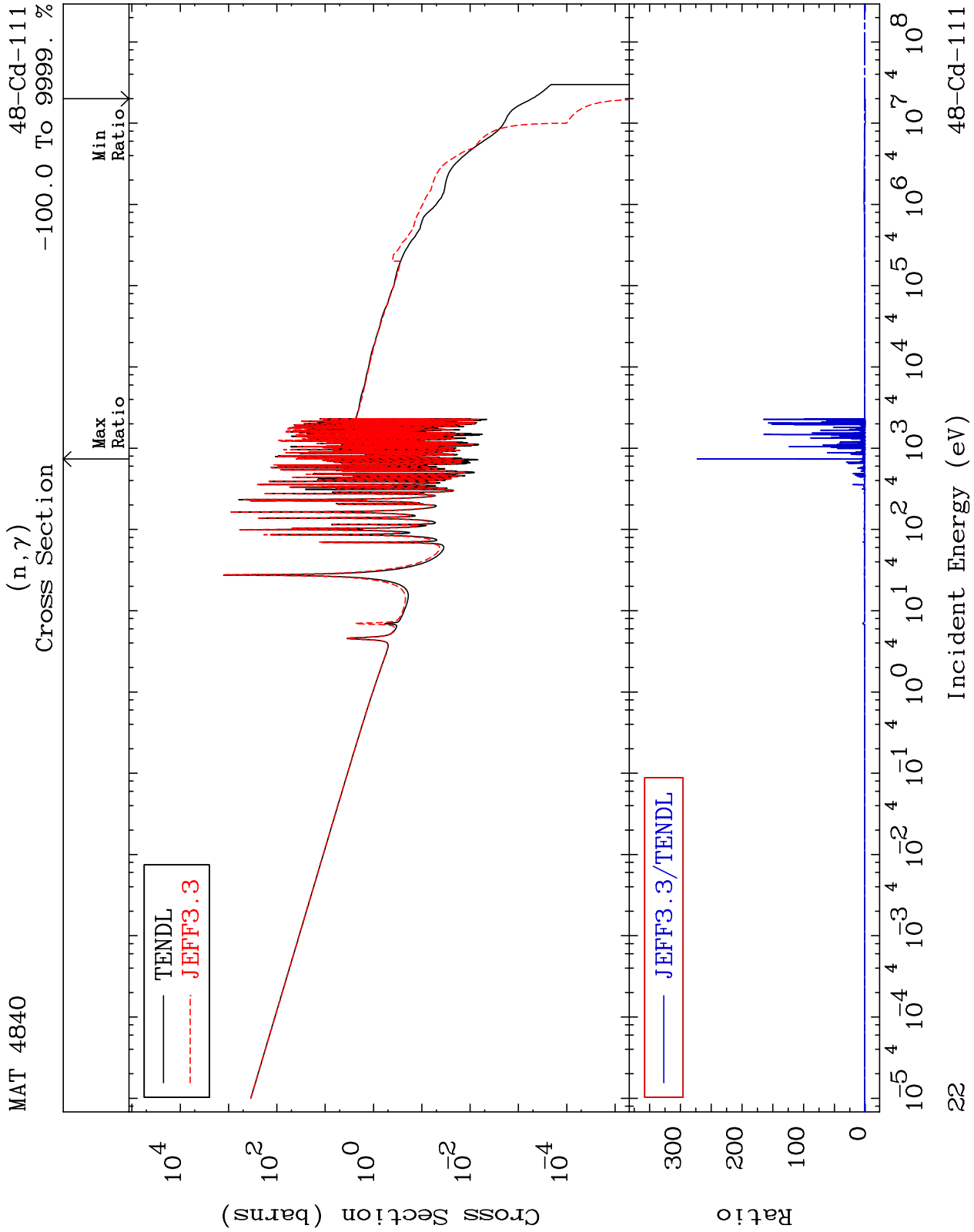
Incident Energy (eV)

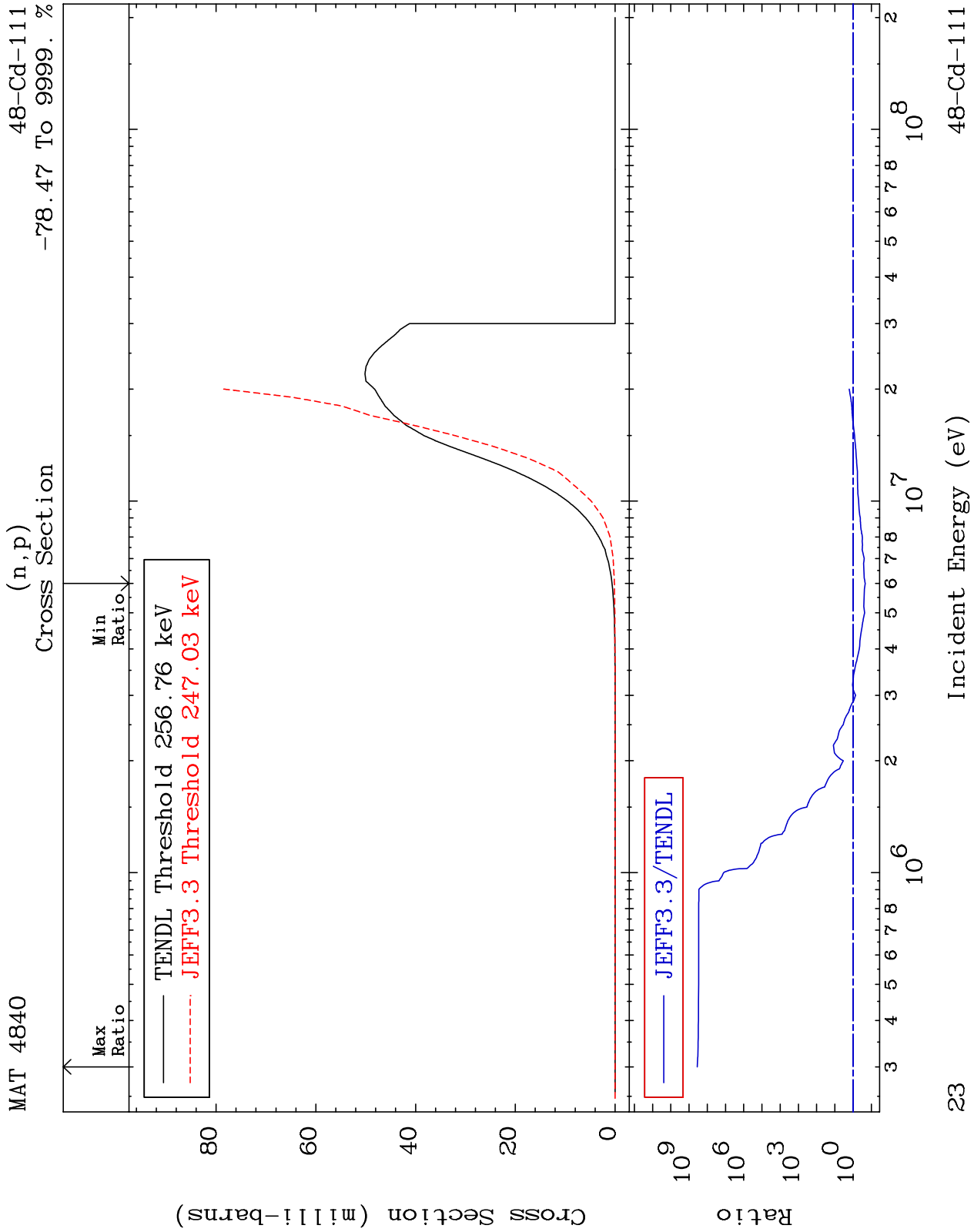
48-Cd-111

20

MAT 4840 (n, n') Continuum Cross Section 48-Cd-111 -61.46 To 4065. %







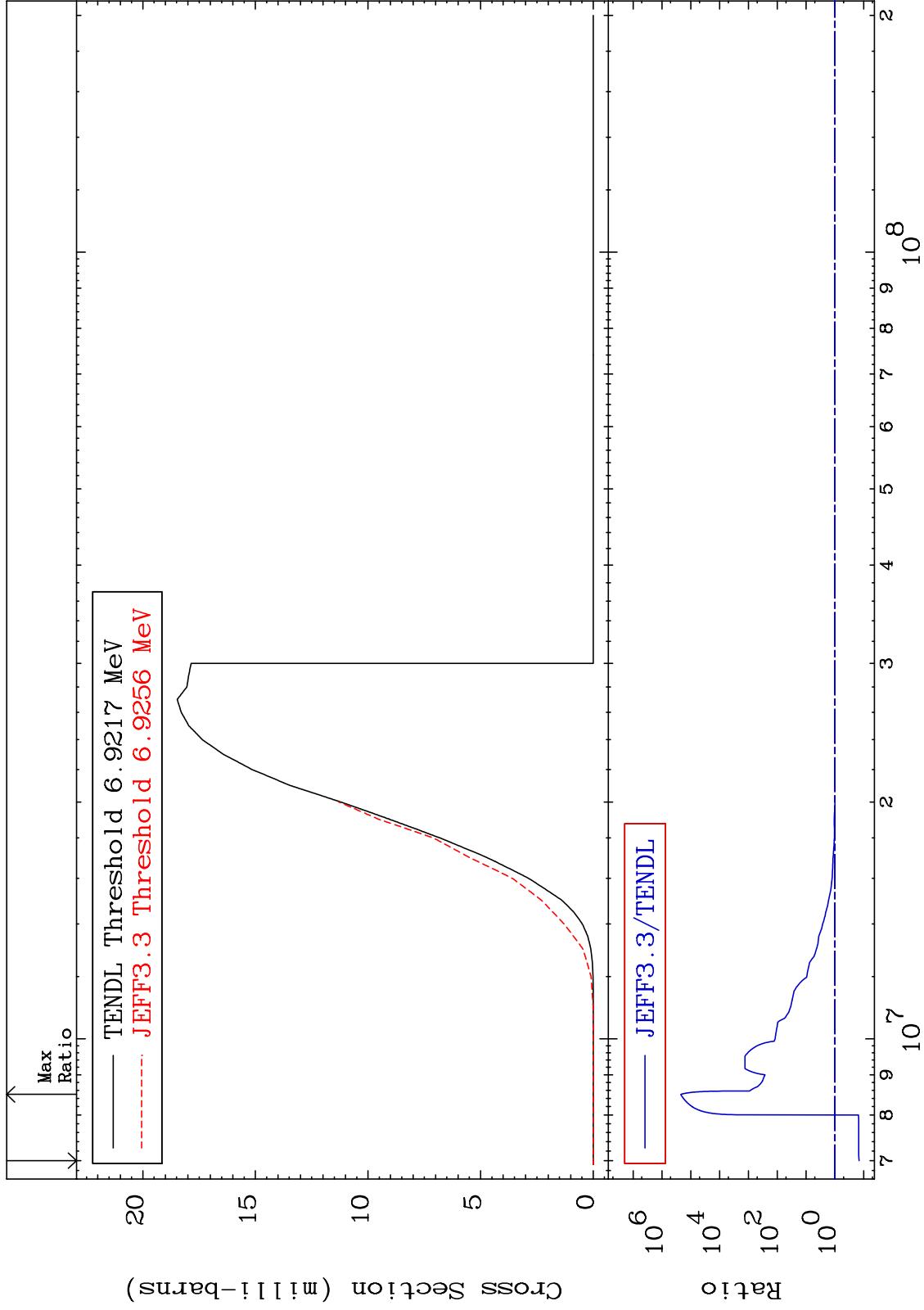
MAT 4840

(n, d)

48-Cd-111

Cross Section

-85.52 To 9999. %



48-Cd-111

Incident Energy (eV)

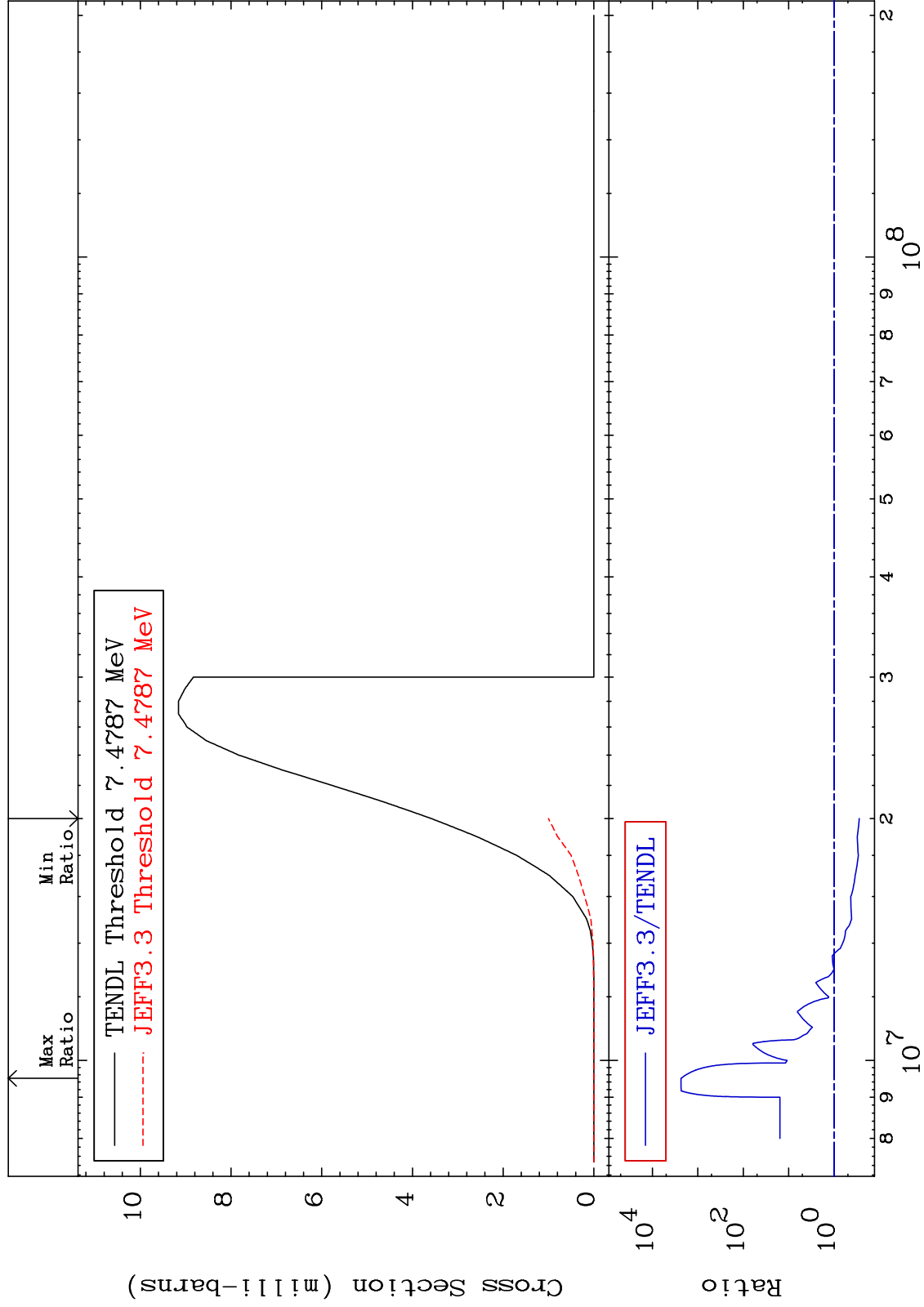
MAT 4840

(n, t)

48-Cd-111

Cross Section

-72.06 To 9999. %



25

Incident Energy (eV)

48-Cd-111

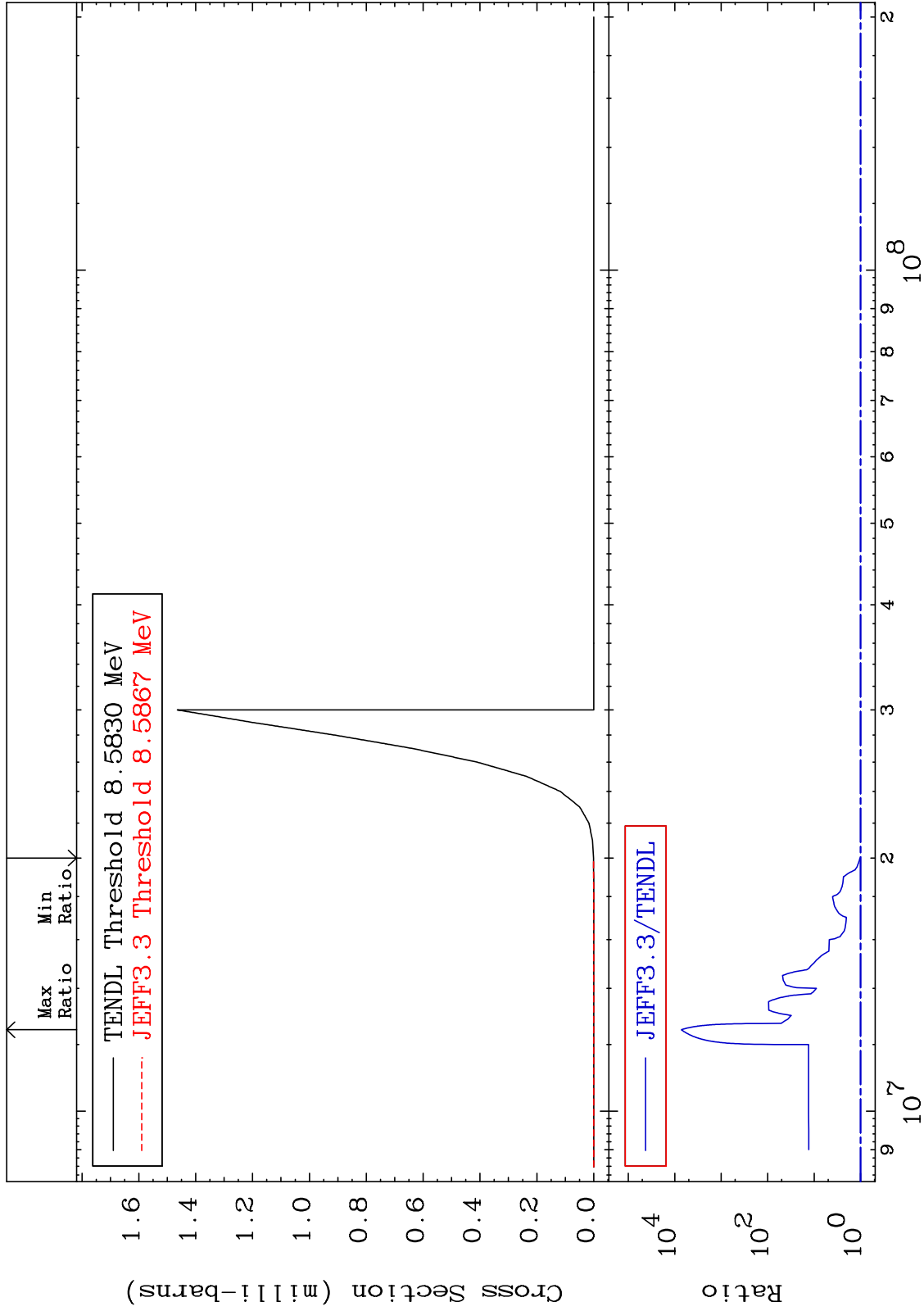
MAT 4840

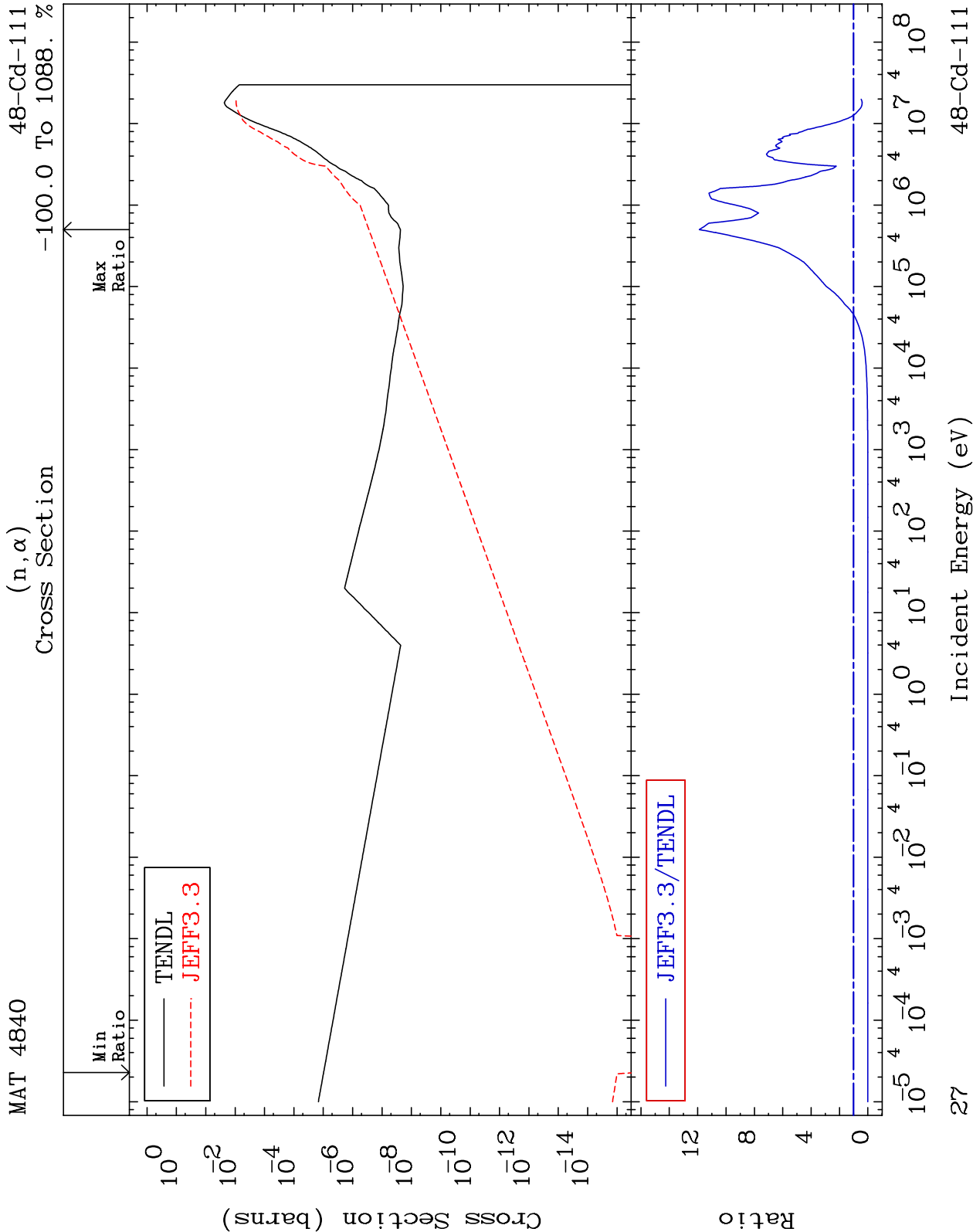
(n, He-3)

48-Cd-111

Cross Section

3.127 To 9999. %

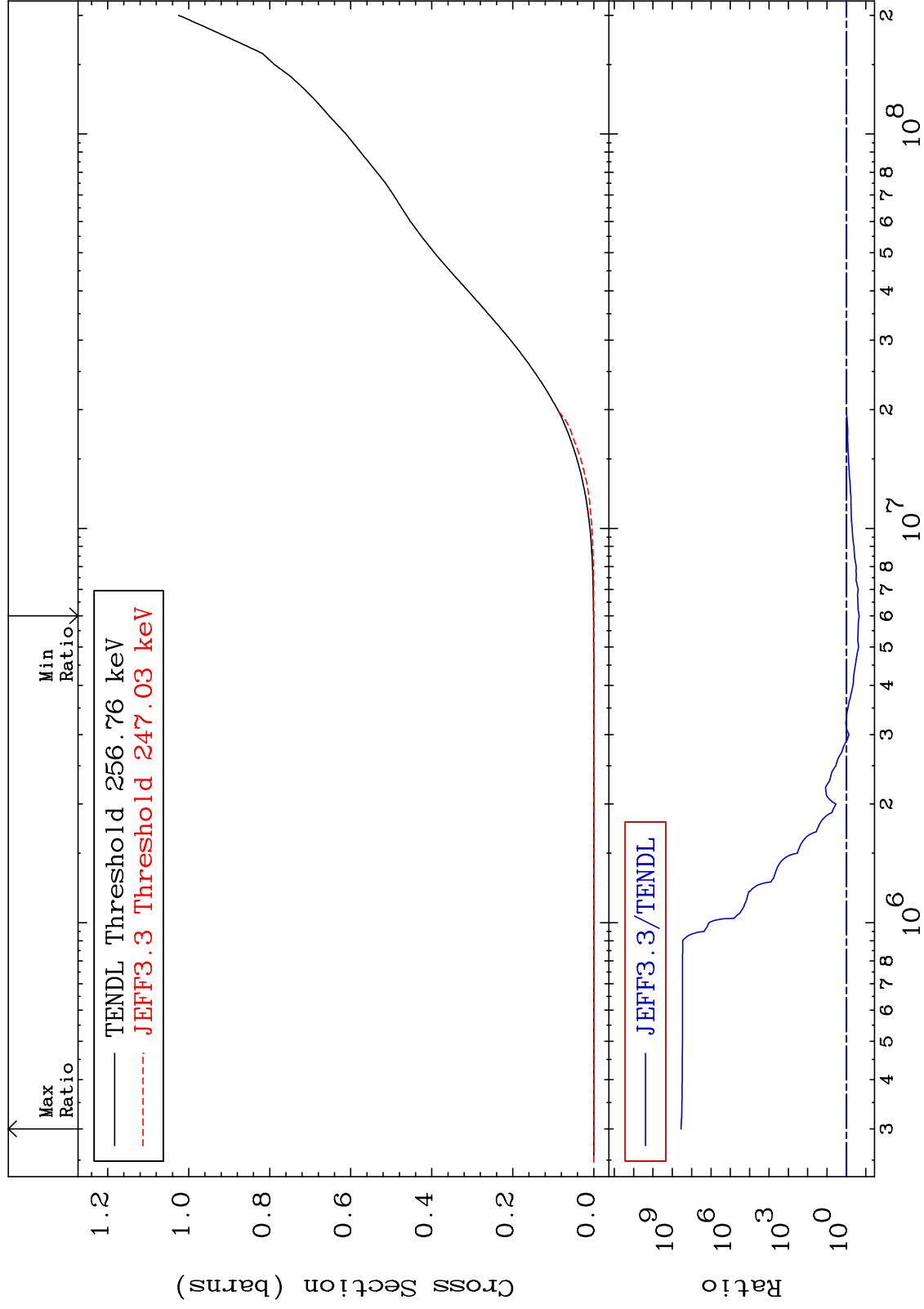




MAT 4840

Hydrogen Production
Cross Section

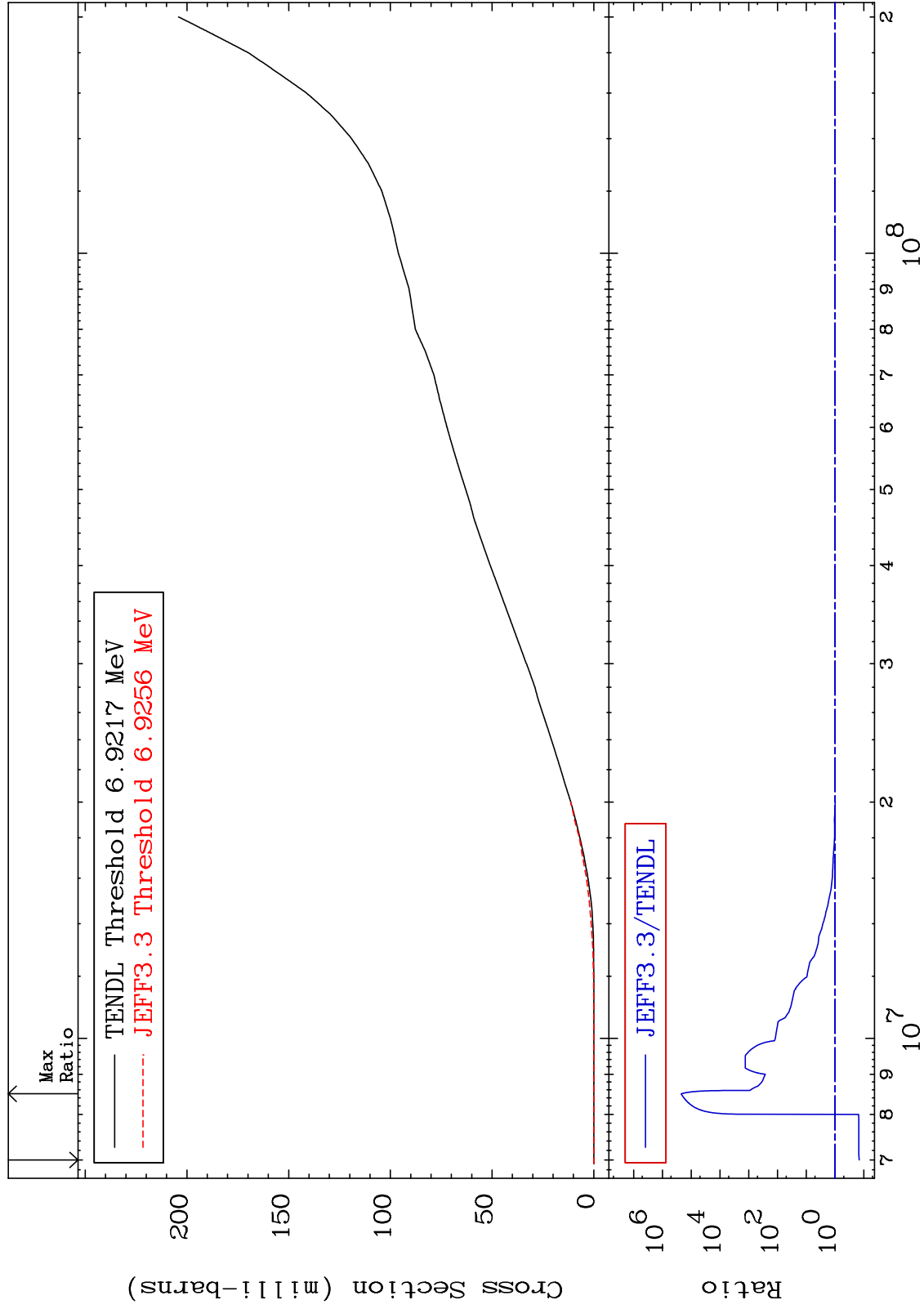
48-Cd-111
-78.47 To 9999. %



MAT 4840

Deuterium Production
Cross Section

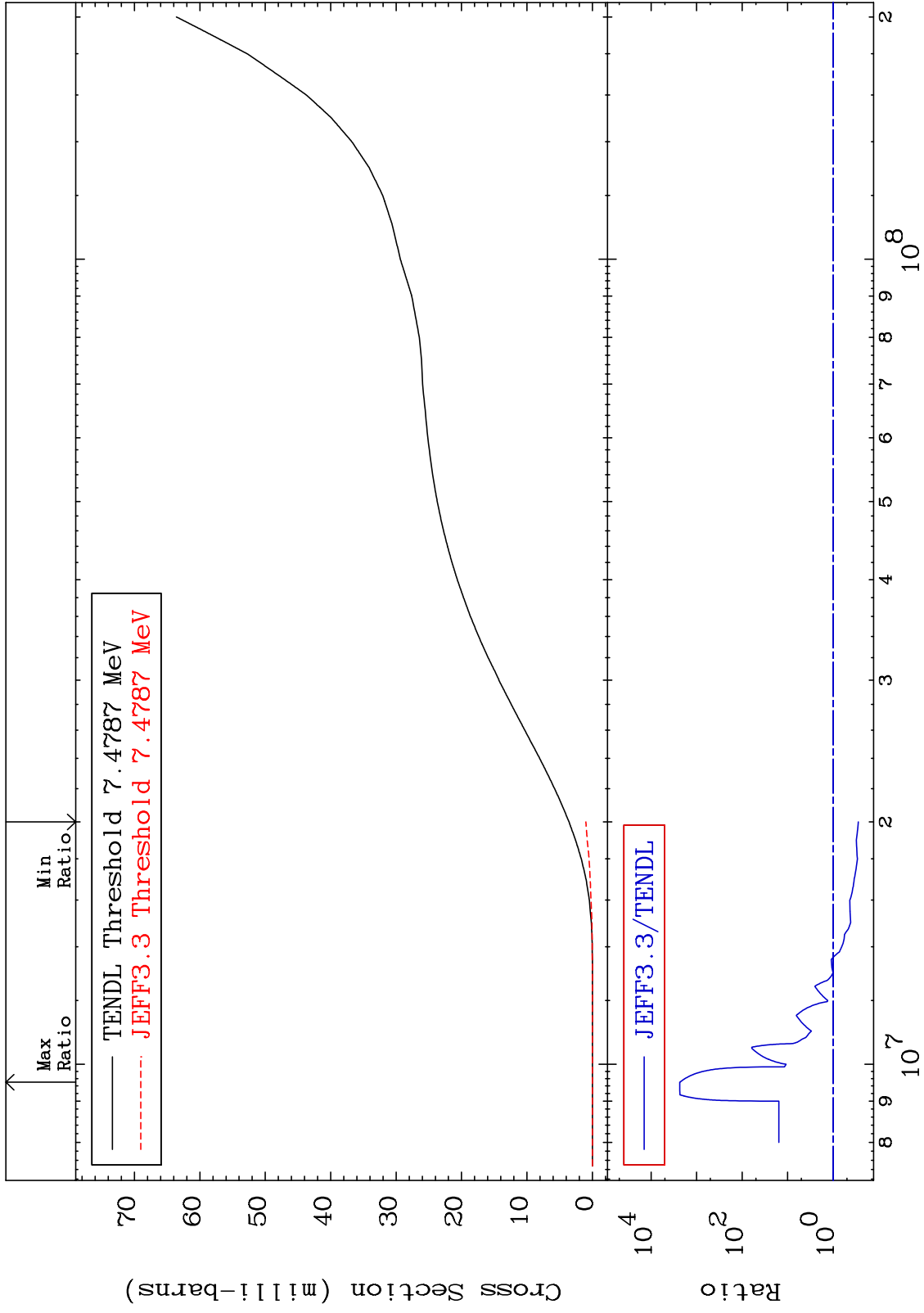
48-Cd-111
-85.52 To 9999. %



MAT 4840

Tritium Production
Cross Section

48-Cd-111
-72.06 To 9999. %



30

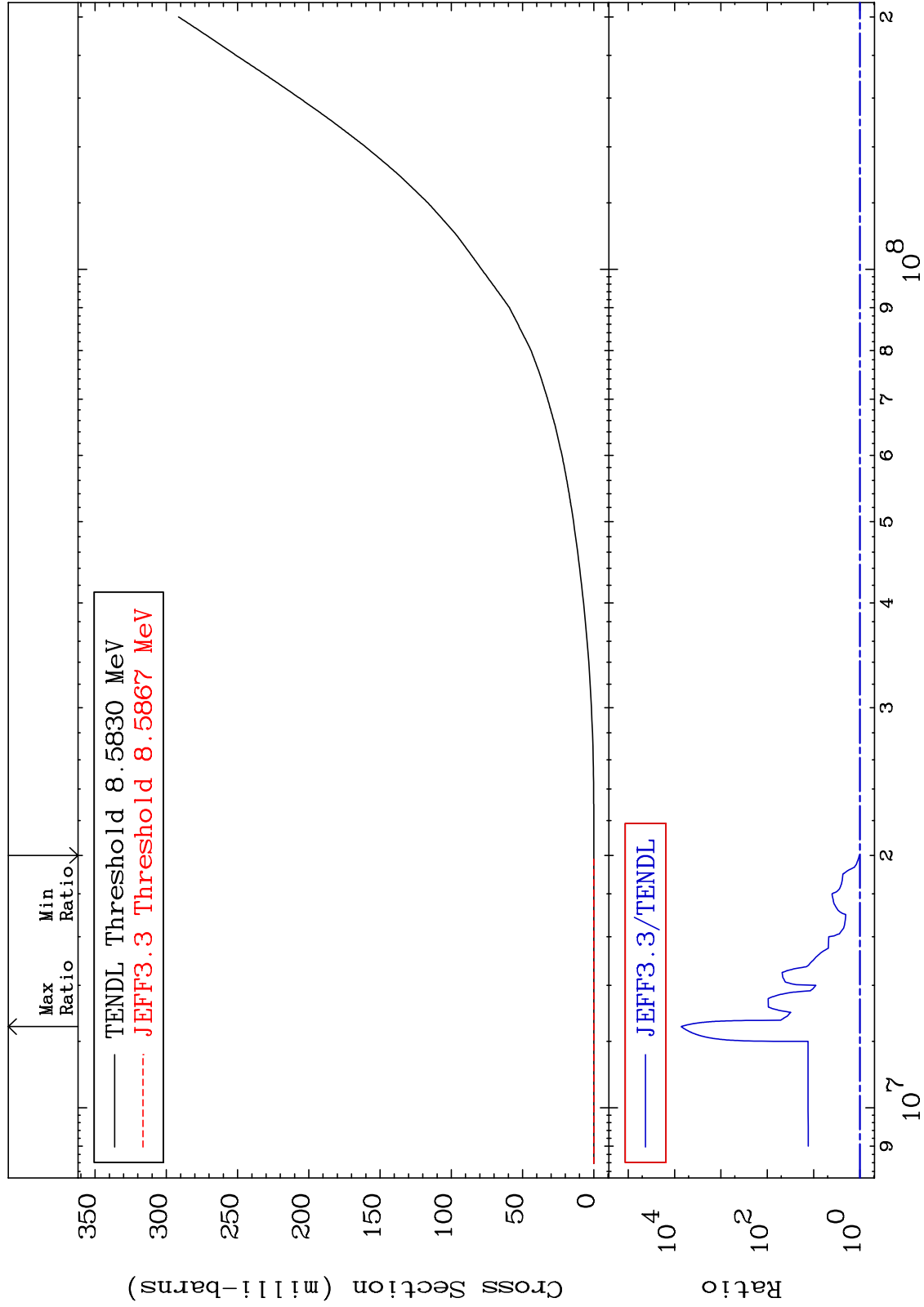
Incident Energy (eV)

48-Cd-111

MAT 4840

He-3 Production
Cross Section

48-Cd-111
3.127 To 9999. %



31

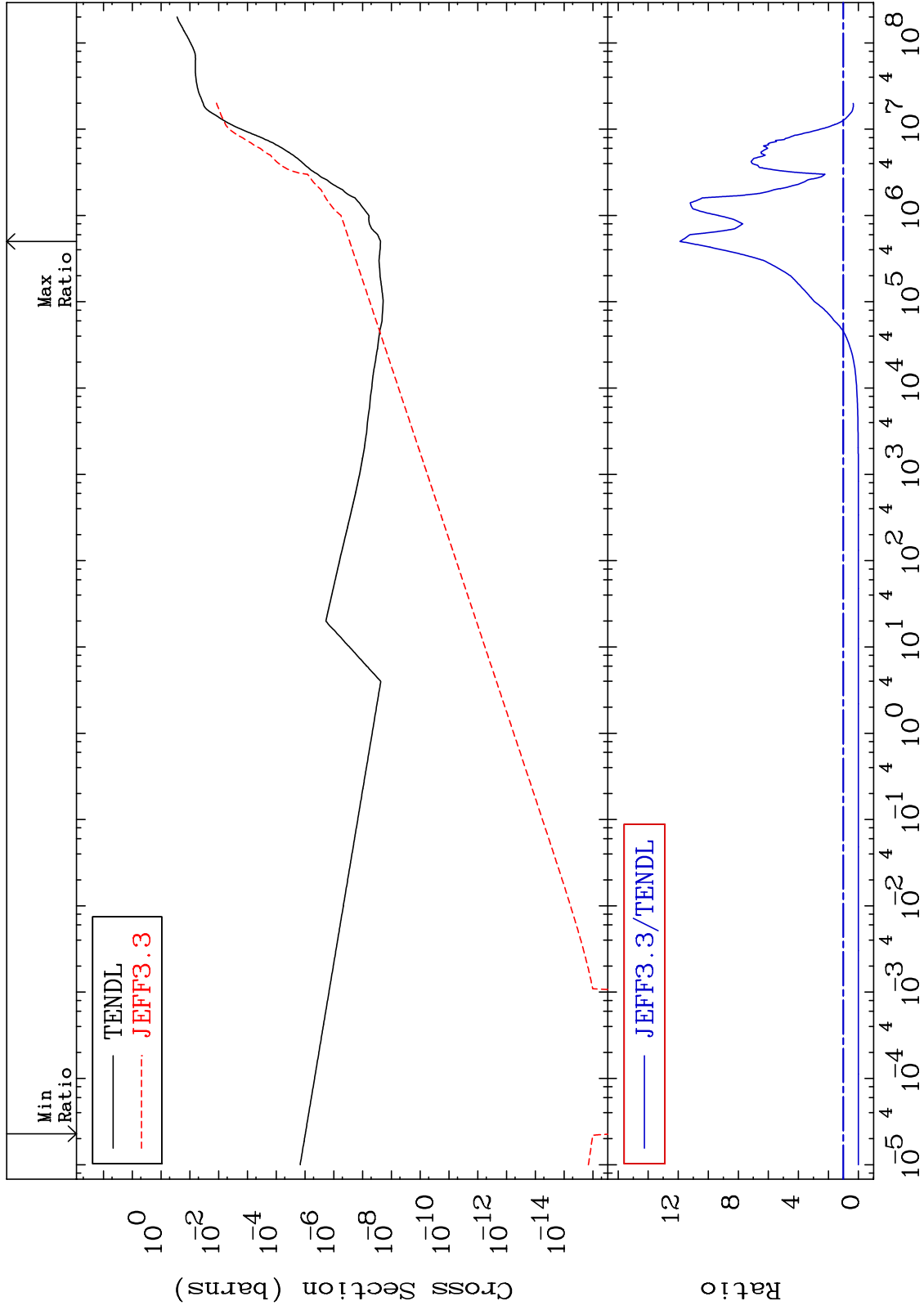
Incident Energy (eV)

48-Cd-111

MAT 4840

He-4 Production
Cross Section

48-Cd-111
-100.0 To 1088. %



32

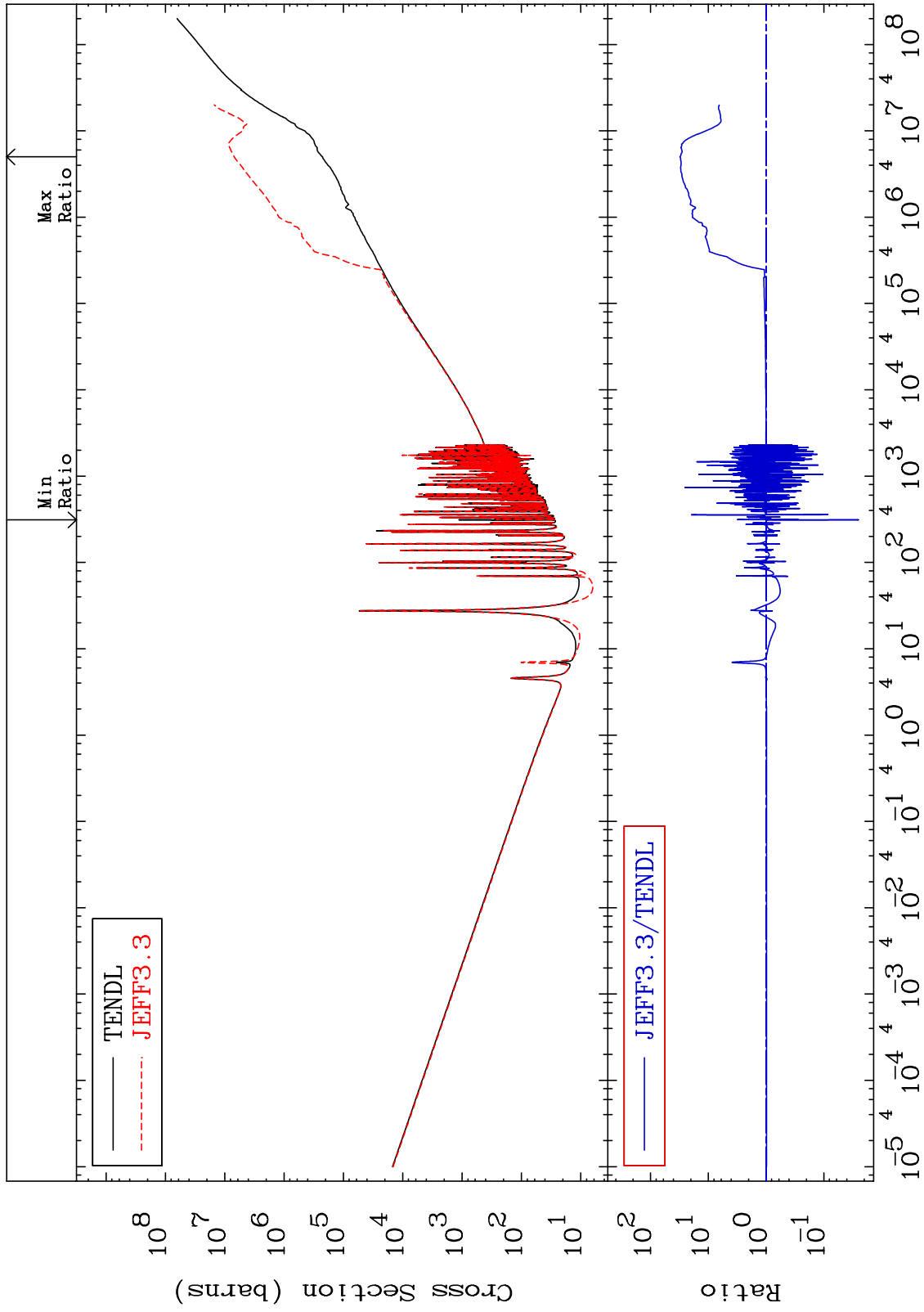
Incident Energy (eV)

48-Cd-111

MAT 4840

Kerma total (eV-barns)
Cross Section

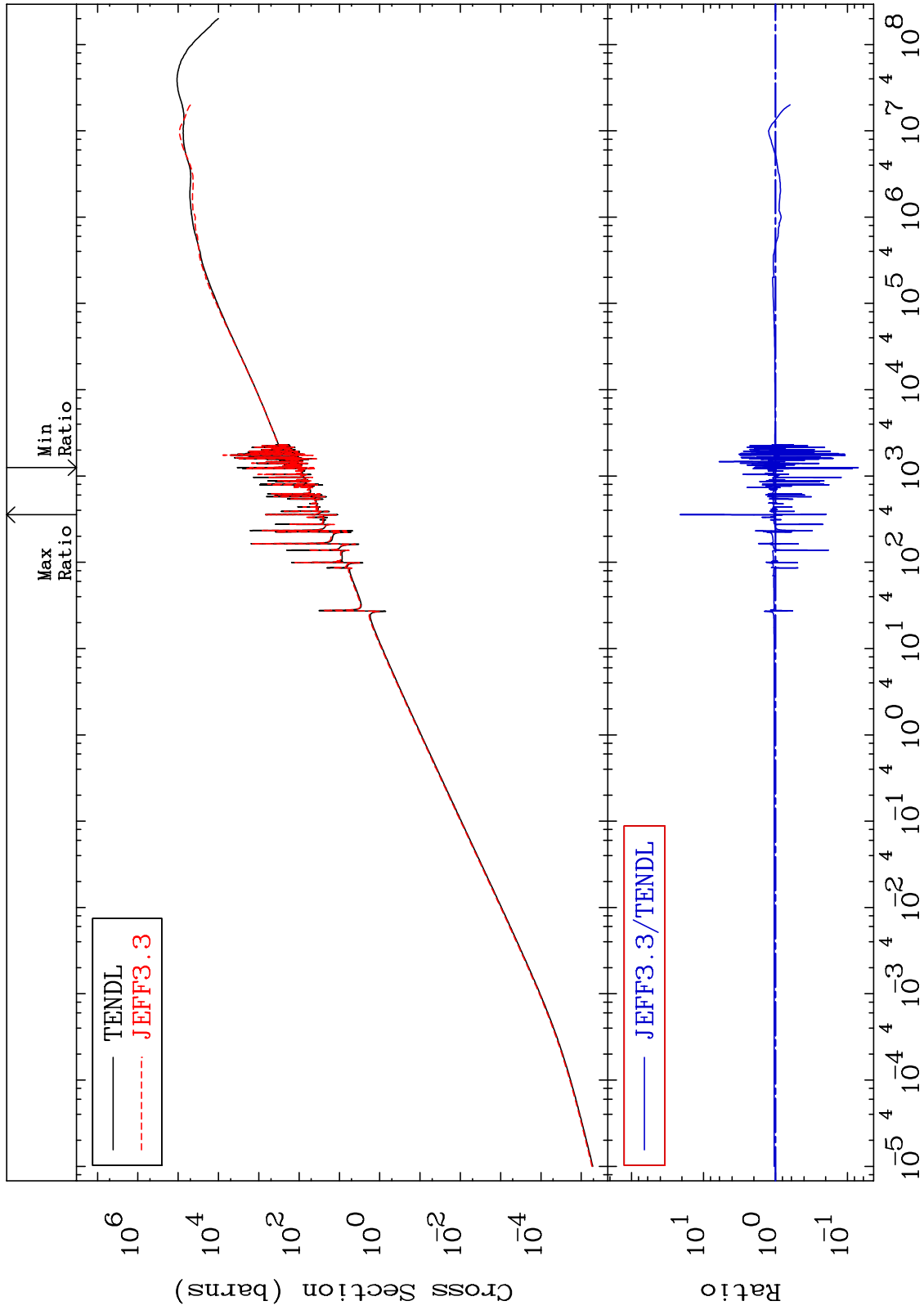
48-Cd-111
-97.48 To 2986. %



MAT 4840

Kerma elastic
Cross Section

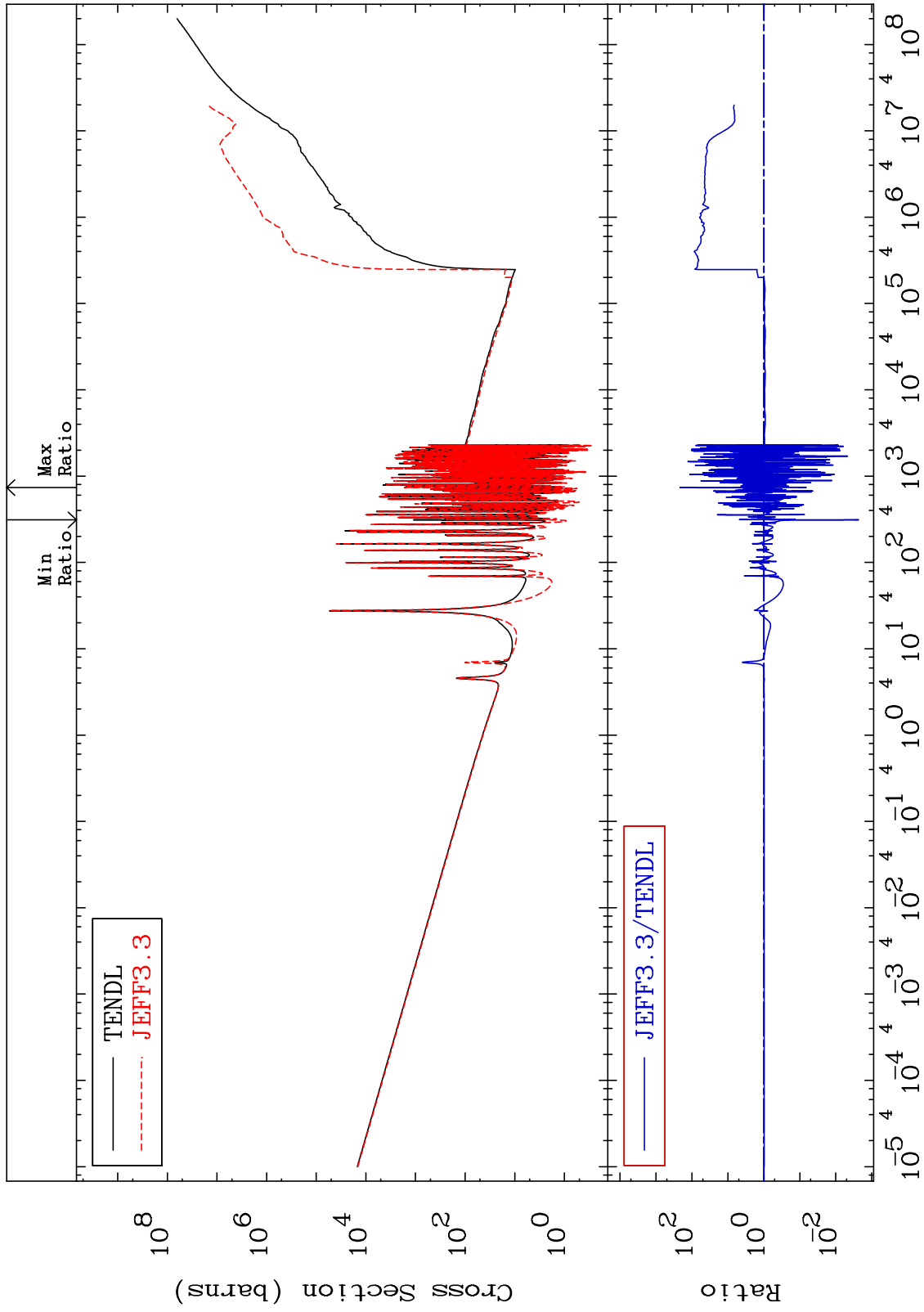
48-Cd-111
-92.97 To 2024. %



MAT 4840

Kerma non-elastic (all but mt2)
Cross Section

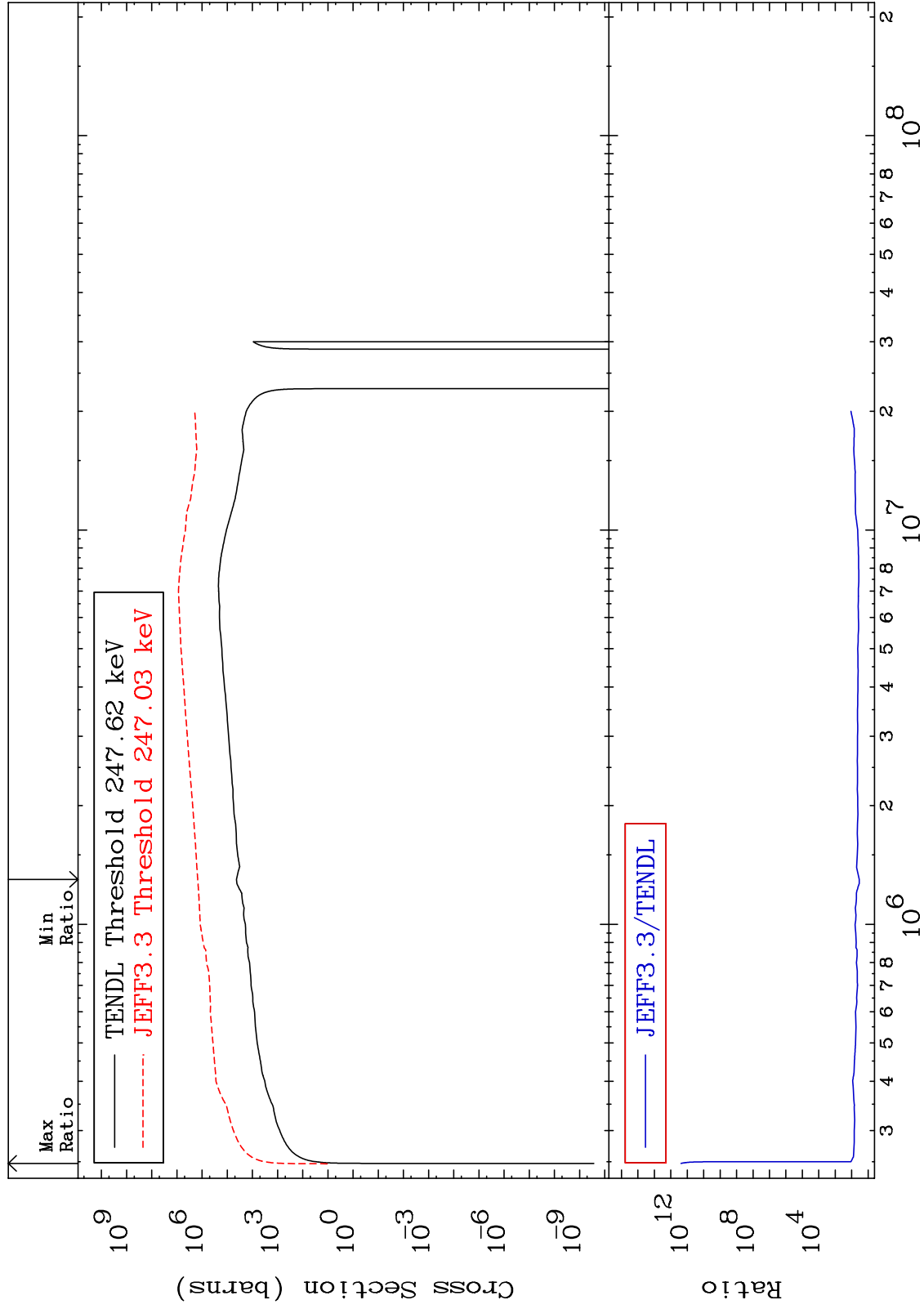
48-Cd-111
-99.77 To 9999. %



MAT 4840

Kerma inelastic (mt51-91)
Cross Section

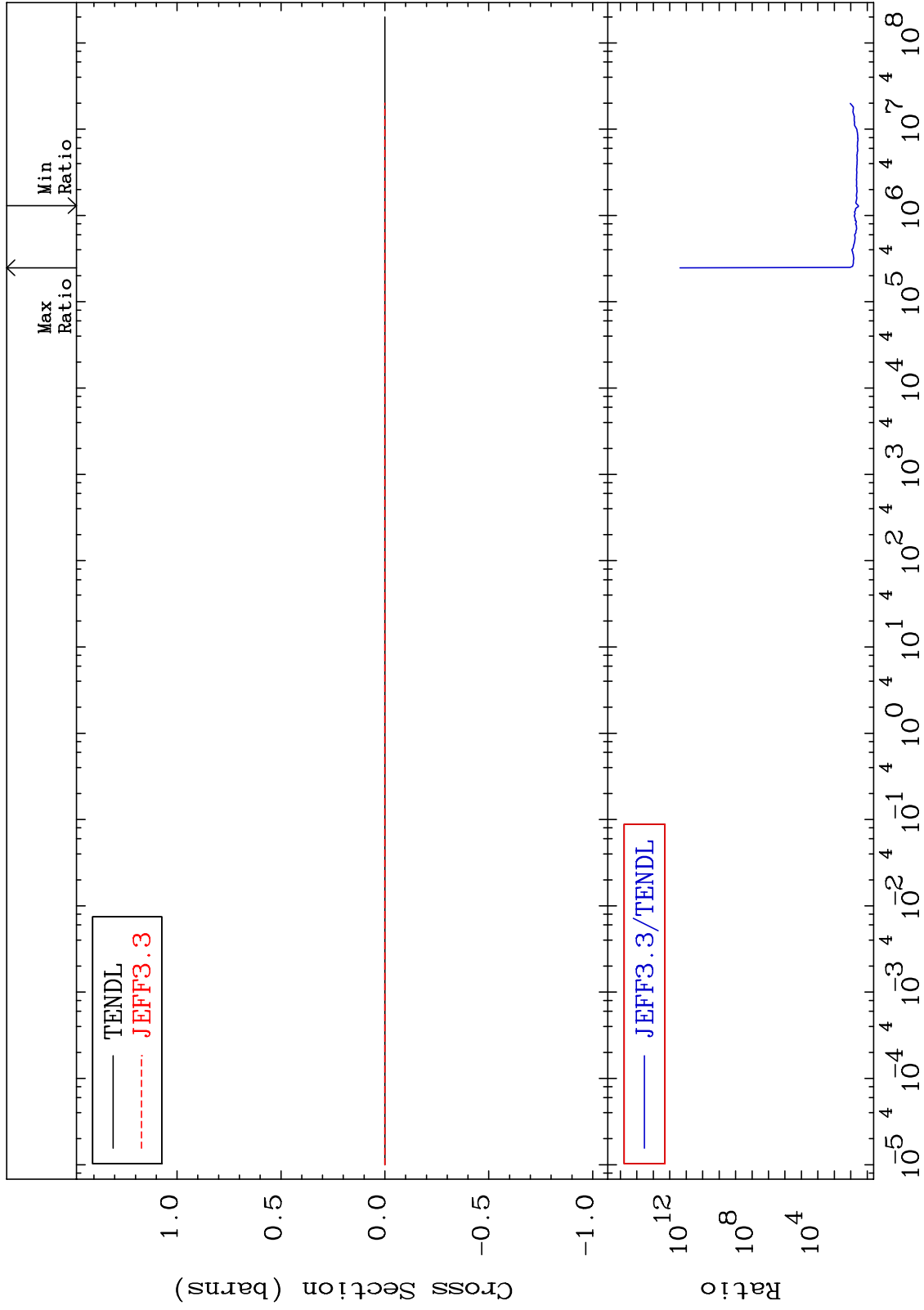
48-Cd-111
3338. To 9999. %



MAT 4840

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

48-Cd-111
3338. To 9999. %



37

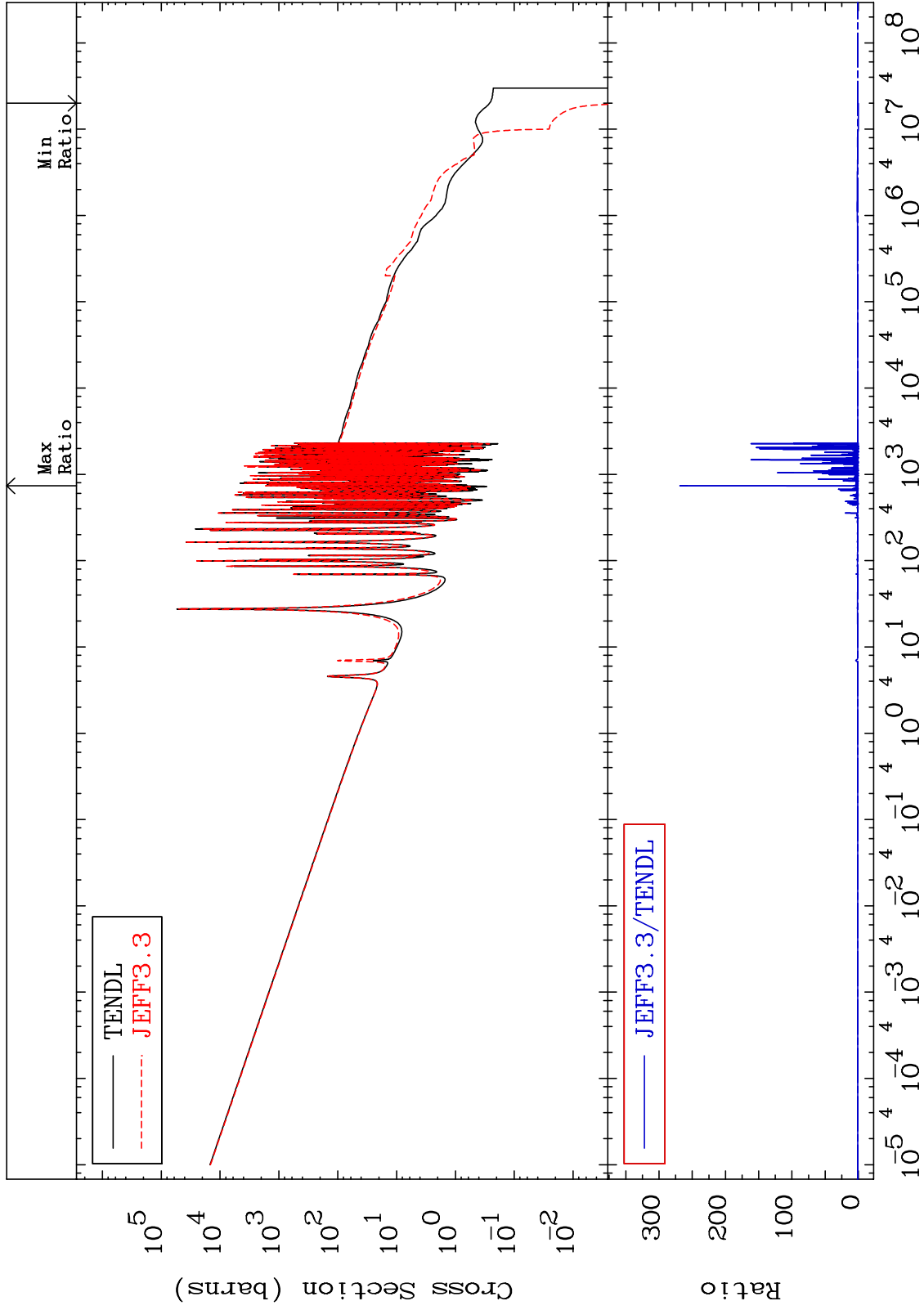
Incident Energy (eV)

48-Cd-111

MAT 4840

Kerma capture (mt102)
Cross Section

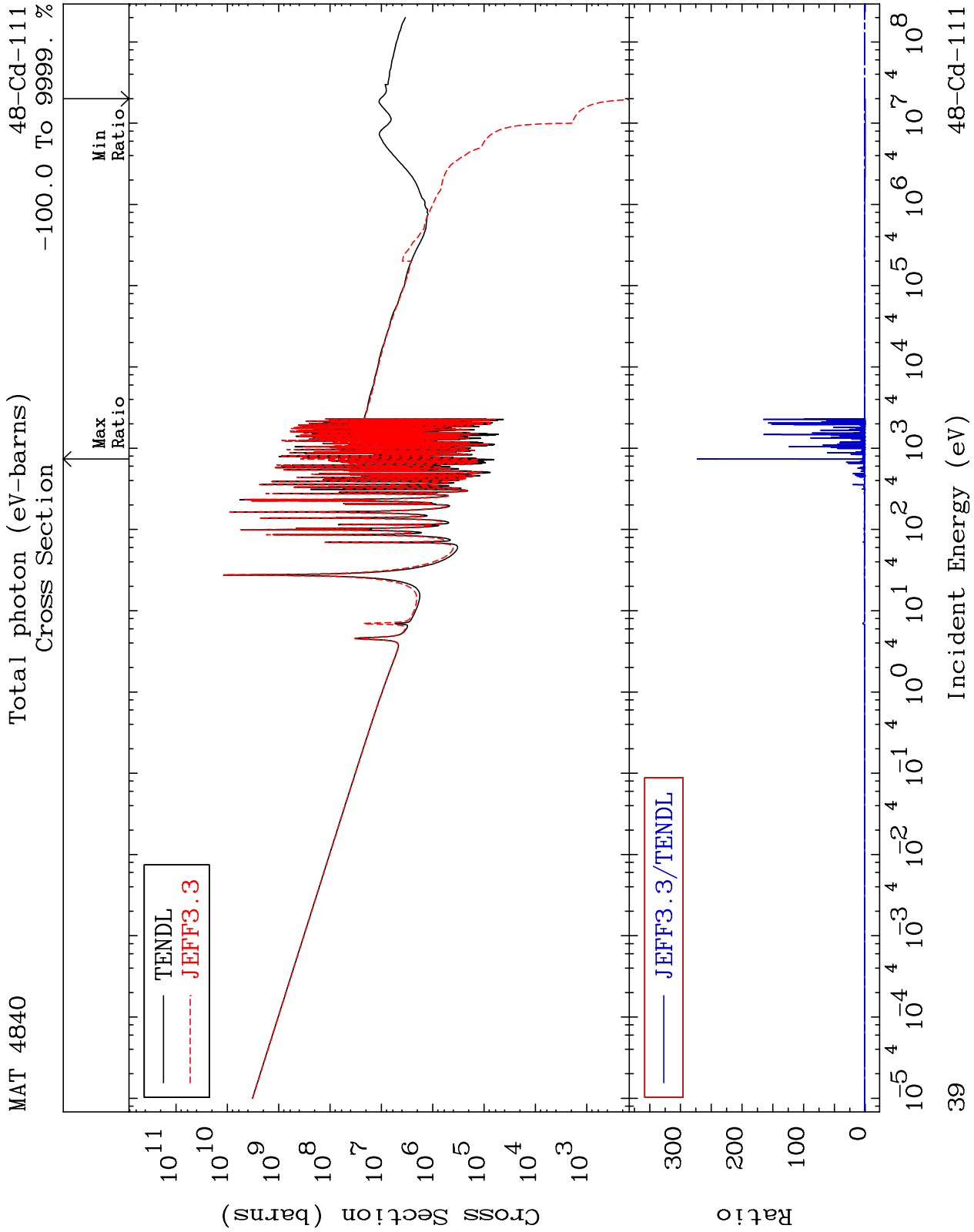
48-Cd-111
-100.0 To 9999. %



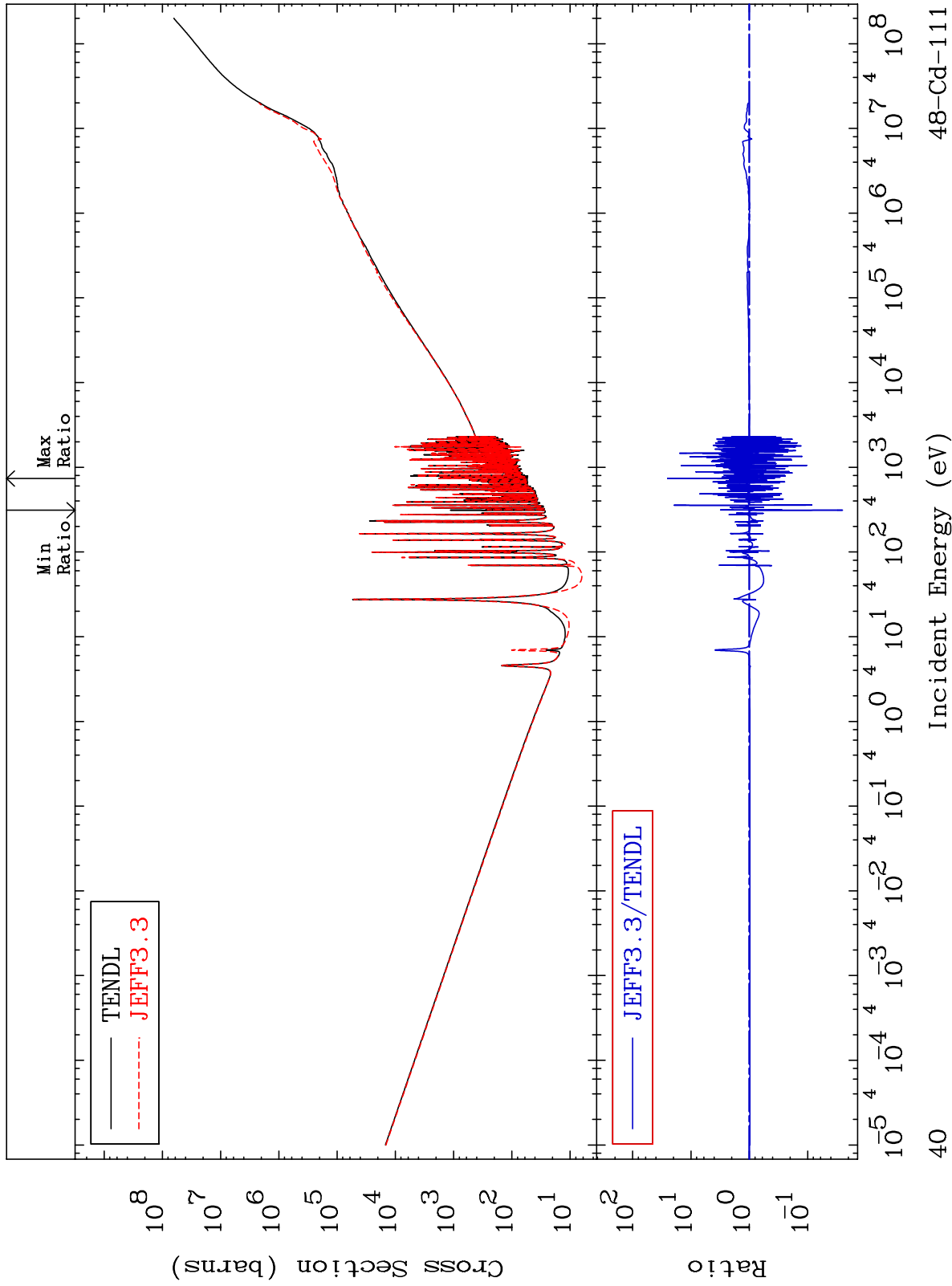
38

Incident Energy (eV)

48-Cd-111

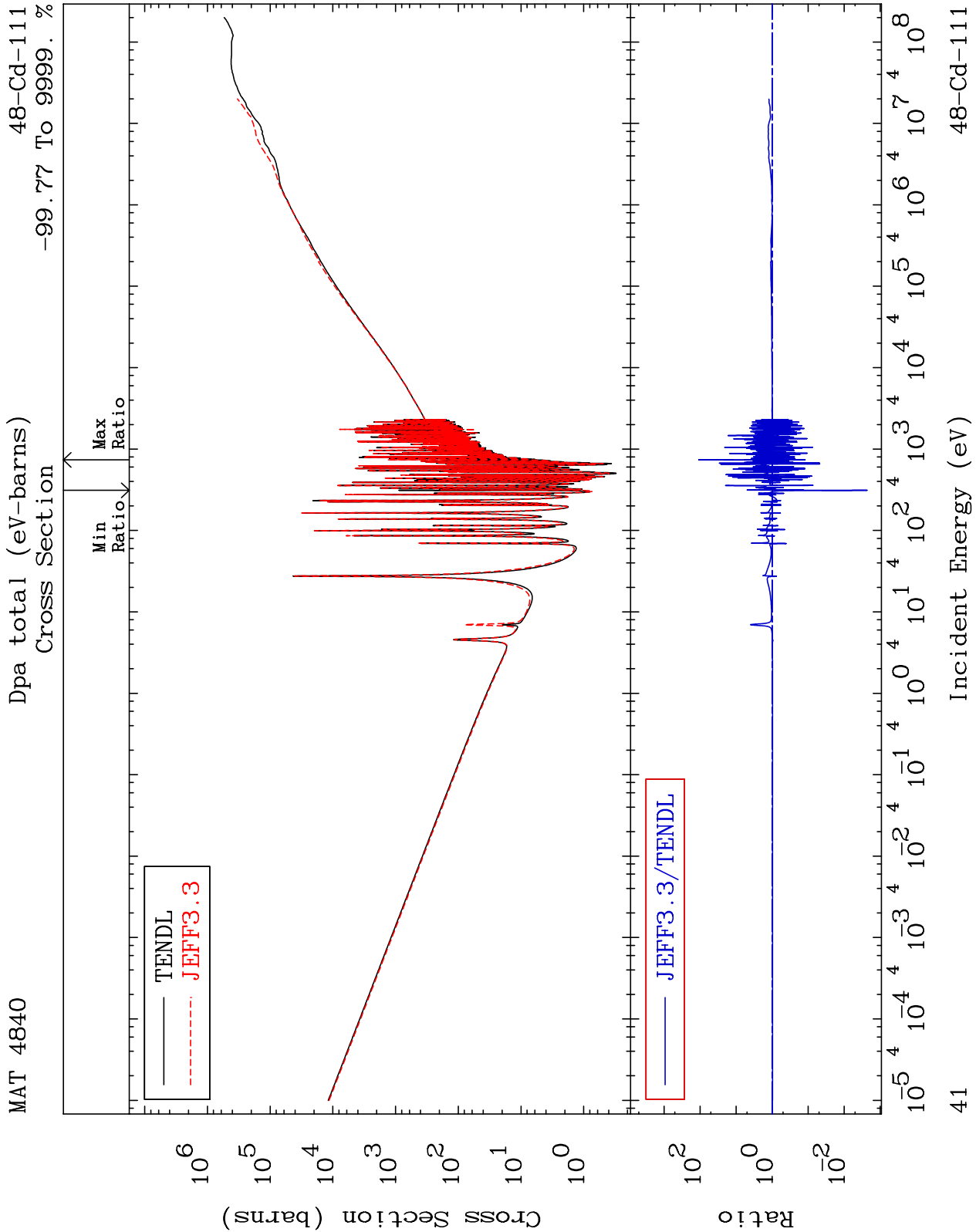


MAT 4840 Total kinematic kerma (high limit) 48-Cd-111
Cross Section -97.48 To 2422. %



48-Cd-111

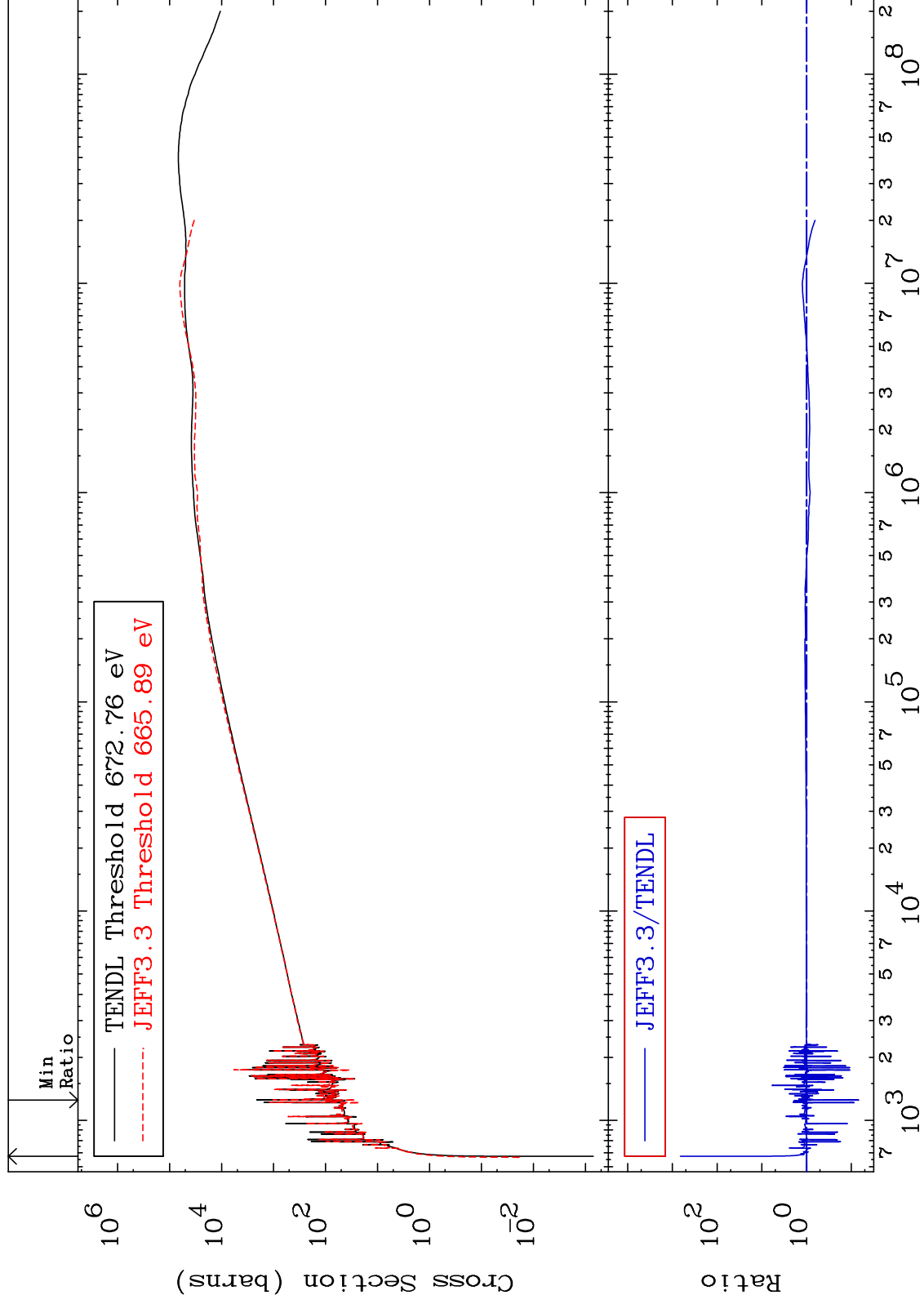
40



MAT 4840

Dpa elastic (mt2)
Cross Section

48-Cd-111
-93.12 To 9999. %



42

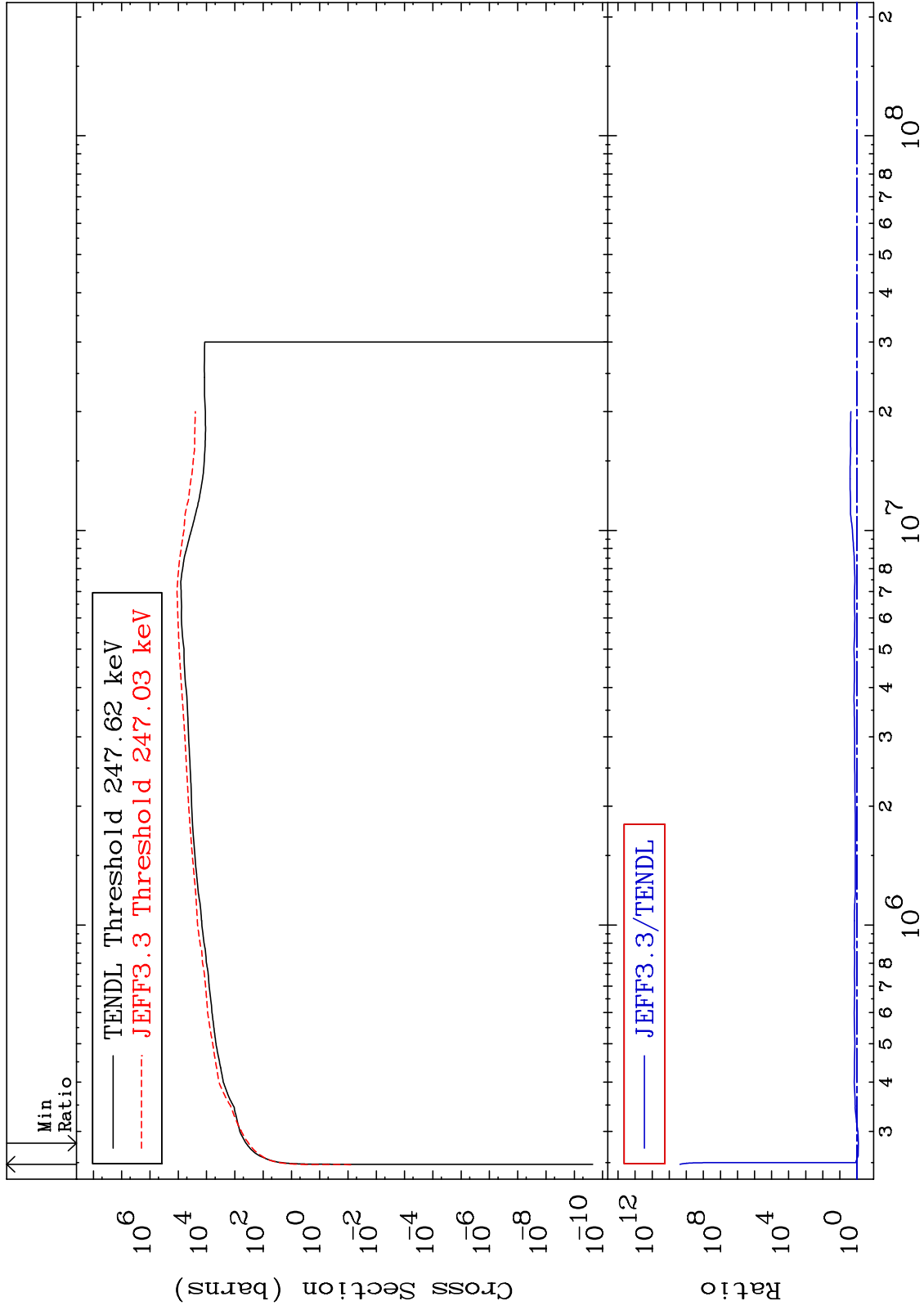
Incident Energy (eV)

48-Cd-111

MAT 4840

Dpa inelastic (mt51-91)
Cross Section

48-Cd-111
-18.37 To 9999. %



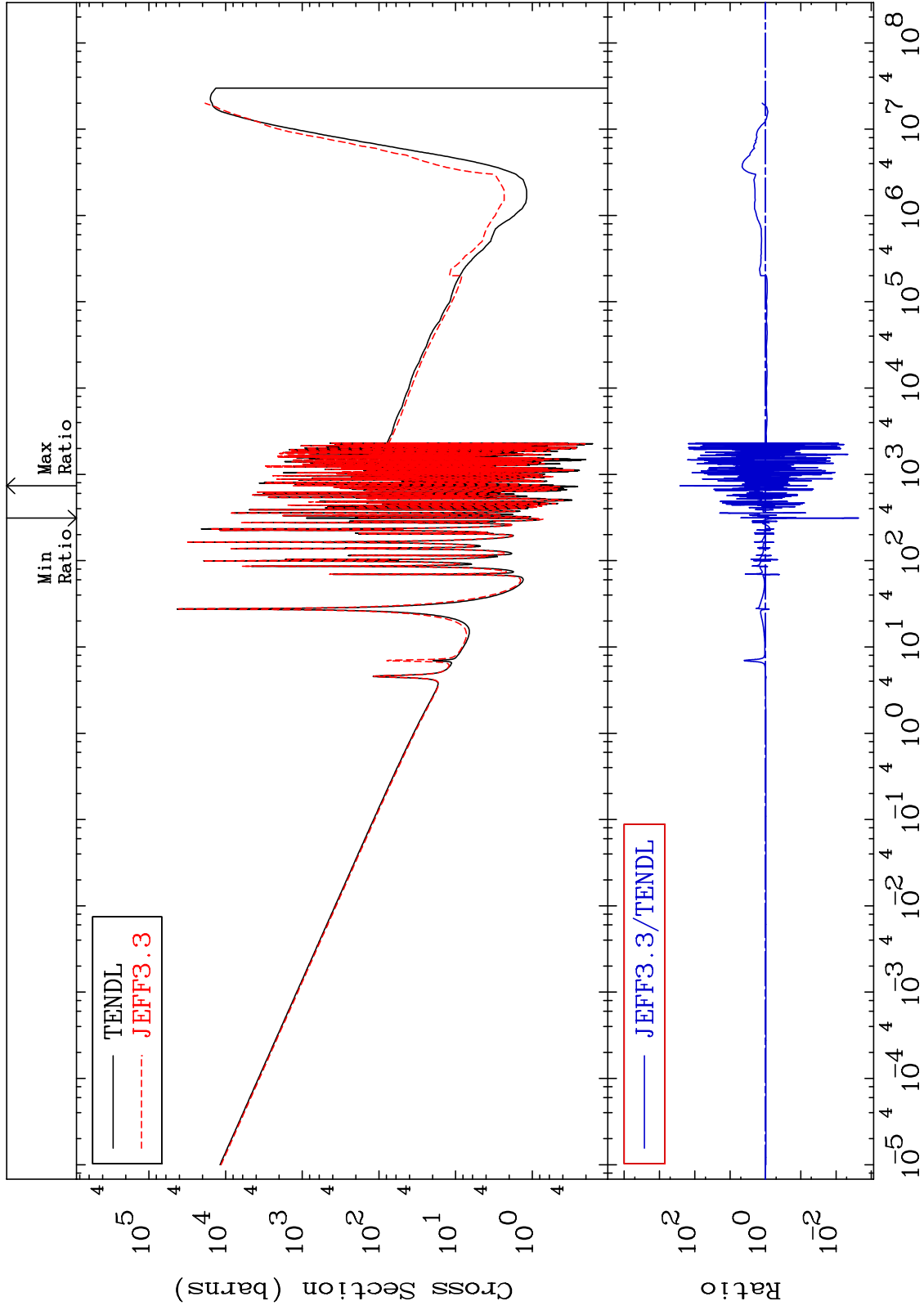
MAT 4840

Dpa disappearance (mt102 -120)

48-Cd-111

-99.77 To 9999. %

Cross Section



44

Incident Energy (eV)

48-Cd-111