

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

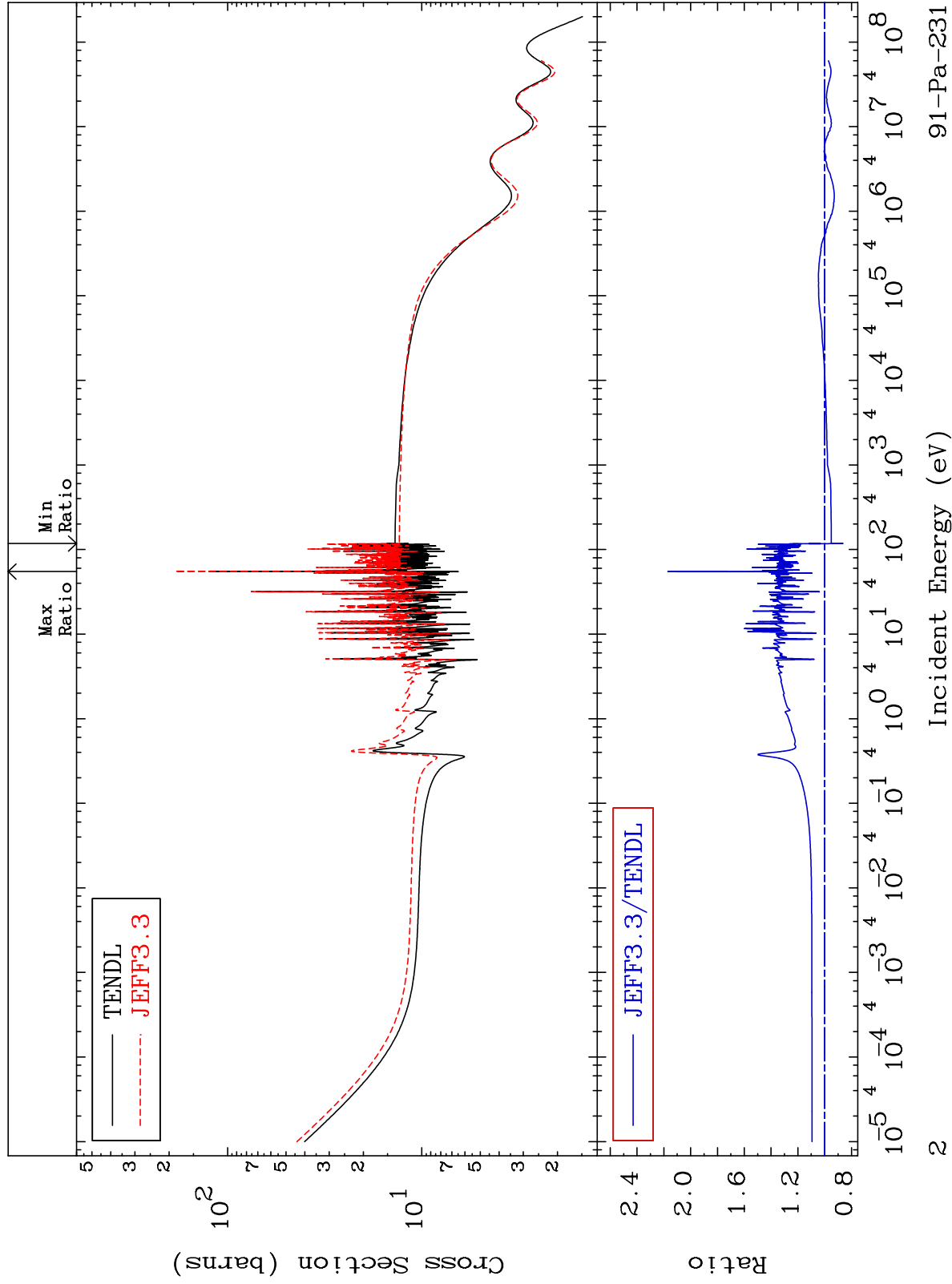
MAT 9131

Elastic

91-Pa-231

Cross Section

-13.57 To 116.9 %



91-Pa-231

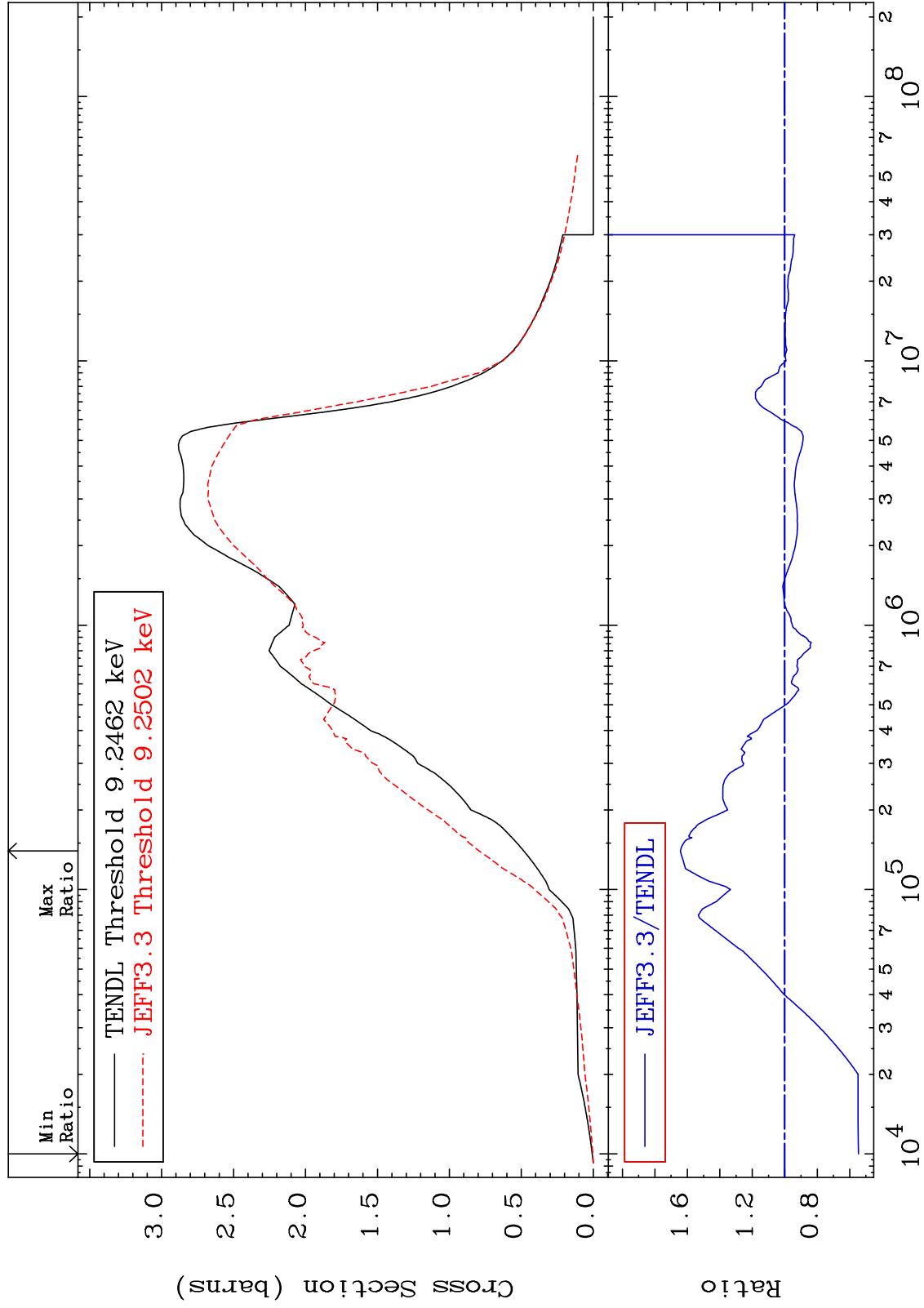
Incident Energy (eV)

2

MAT 9131

Inelastic
Cross Section

91-Pa-231
-45.44 To 64.26 %



Incident Energy (eV)

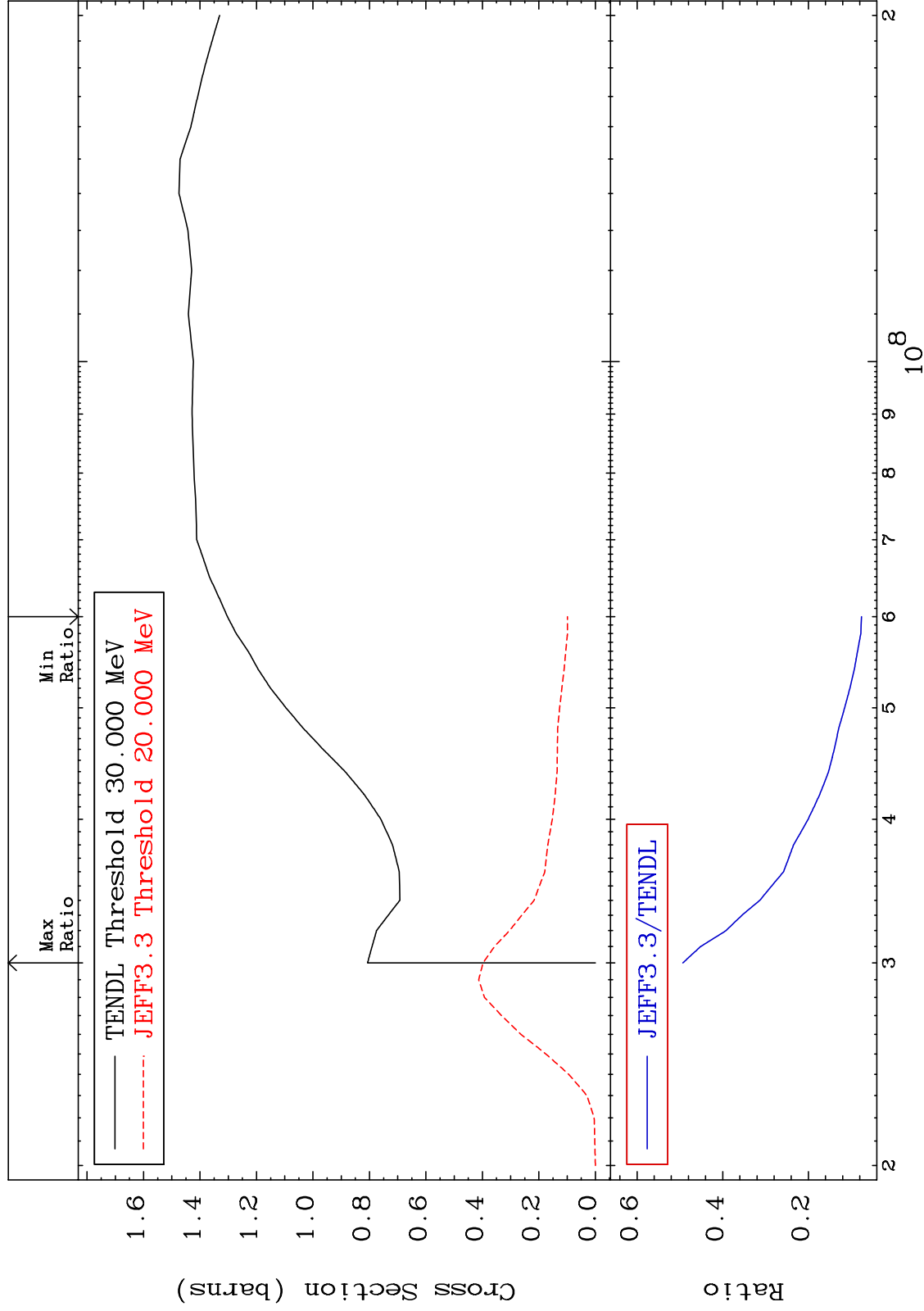
91-Pa-231

3

MAT 9131

(n, remainder)
Cross Section

91-Pa-231
-92.42 To -50.70%



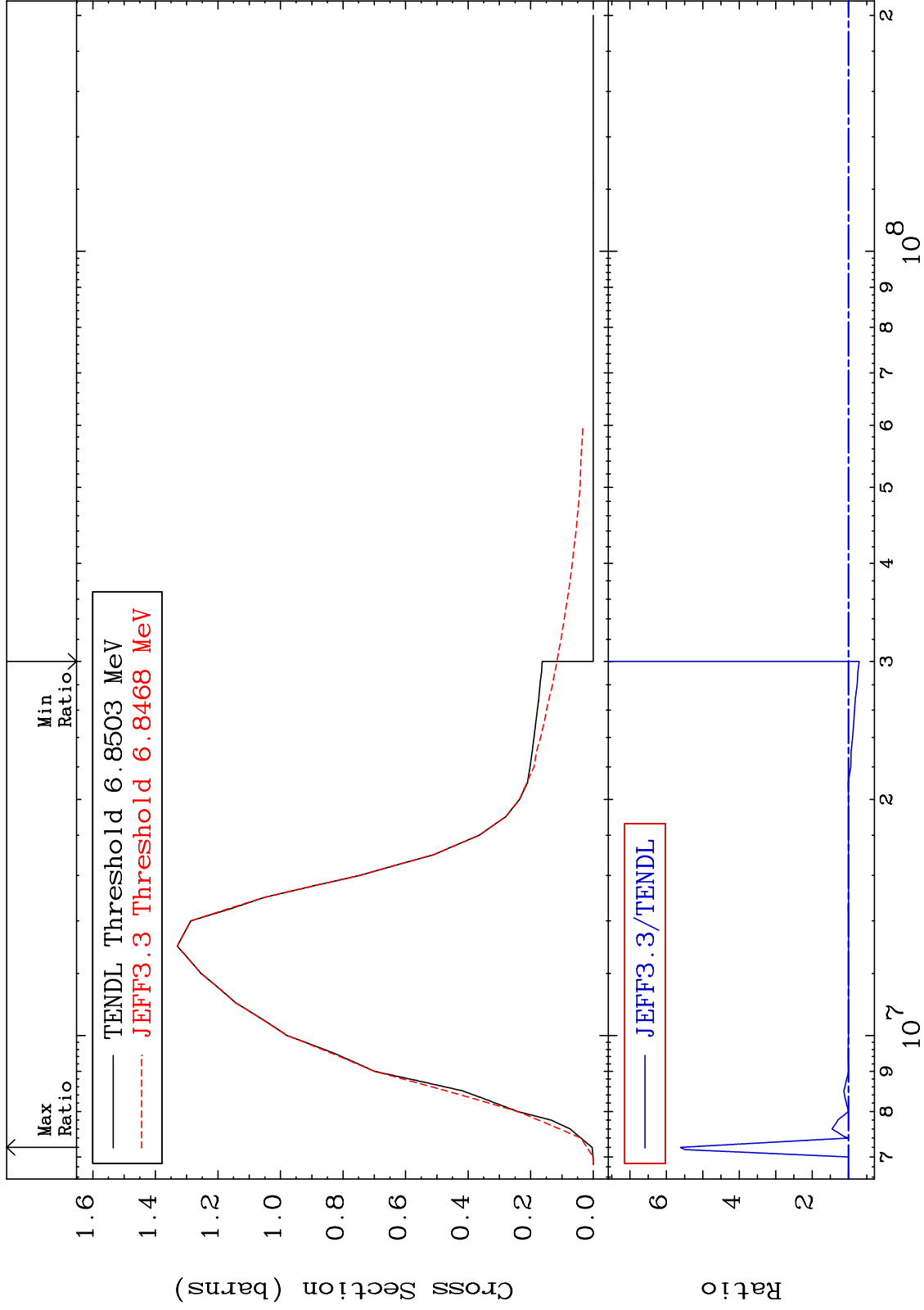
MAT 9131

(n,2n)

91-Pa-231

-29.27 To 460.9 %

Cross Section



5

Incident Energy (eV)

91-Pa-231

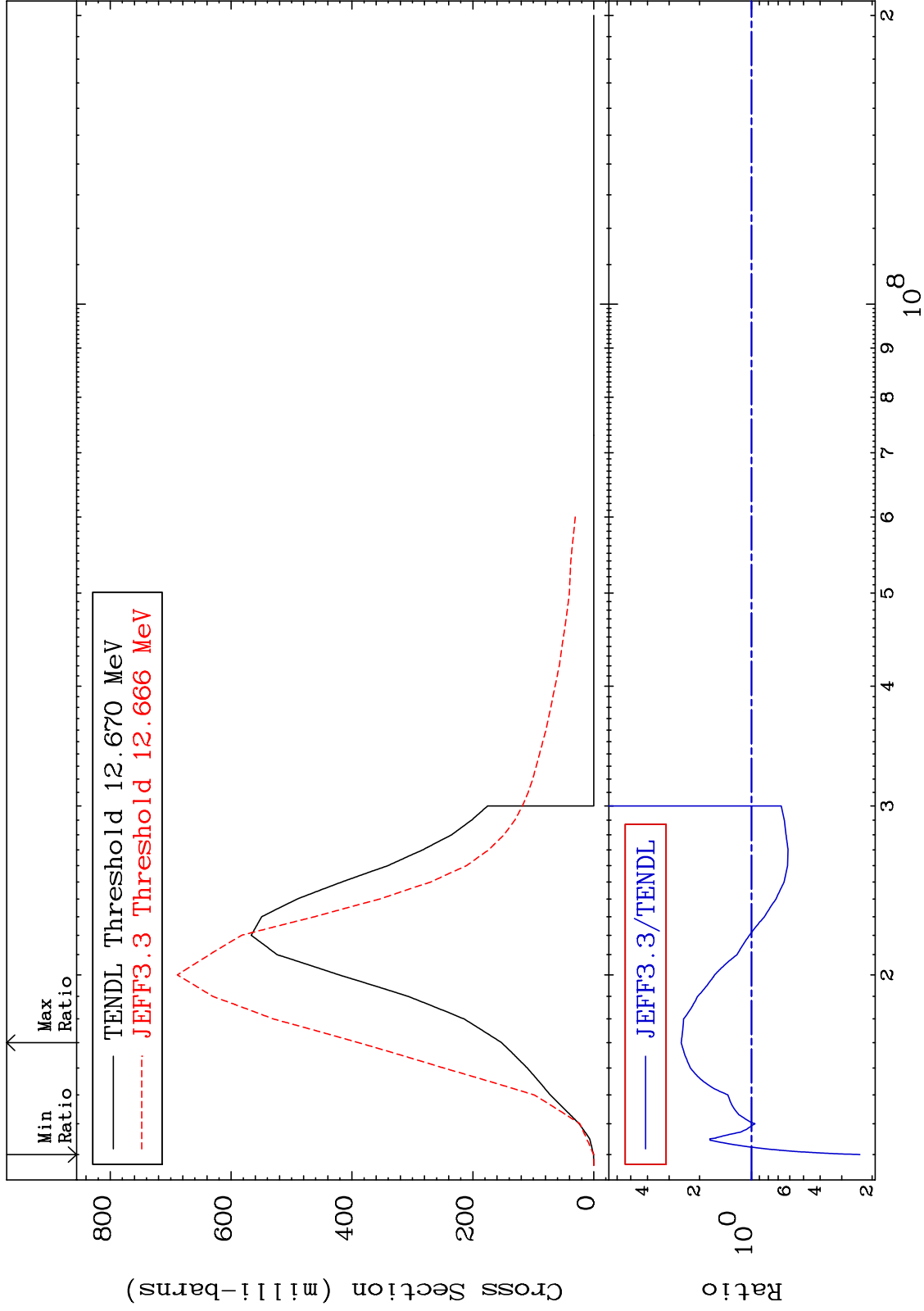
MAT 9131

(n, 3n)

91-Pa-231

Cross Section

-76.44 To 155.2 %



6

Incident Energy (eV)

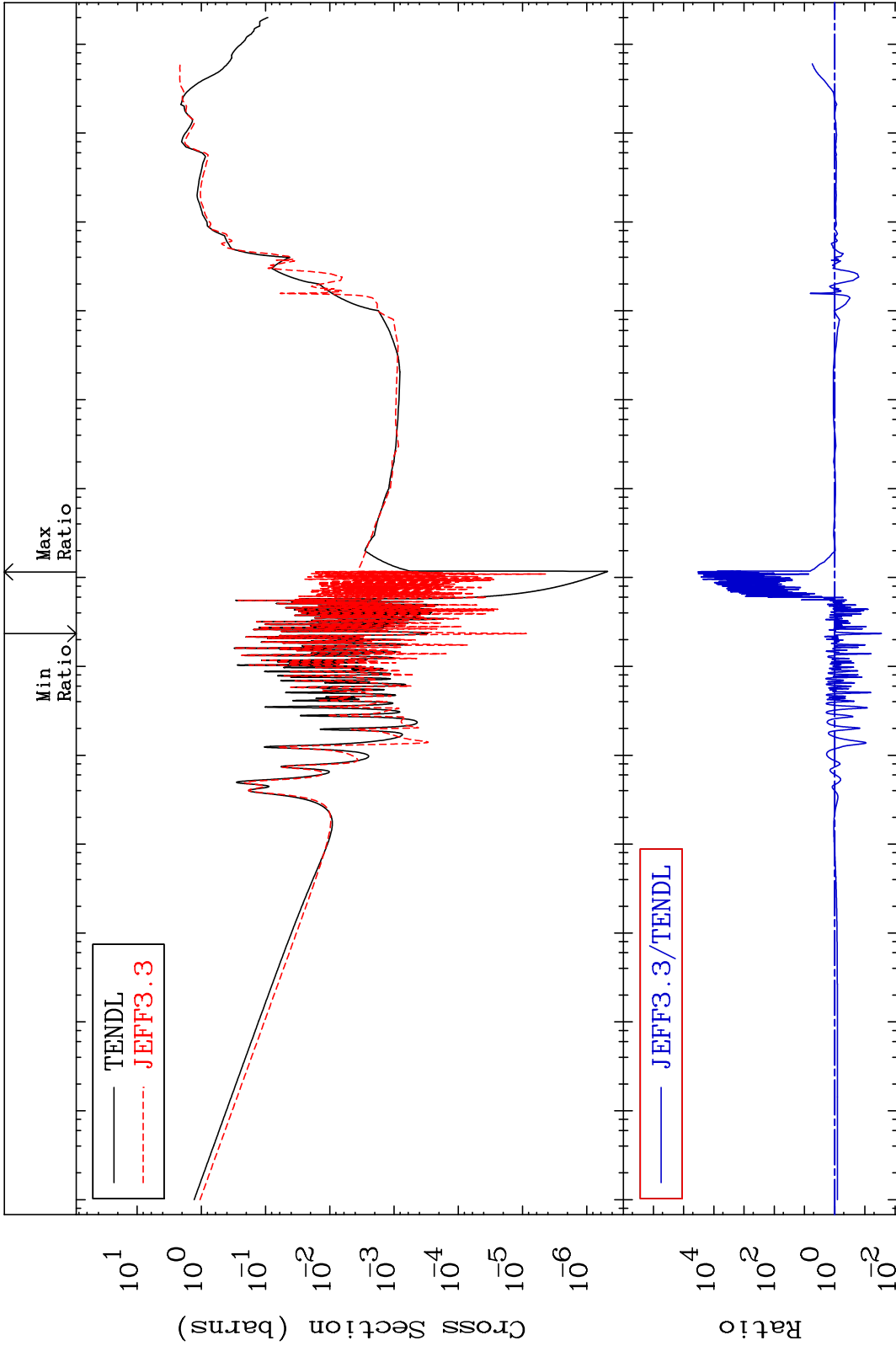
91-Pa-231

MAT 9131

91-Pa-231

-97.19 To 9999. %

Fission
Cross Section



Incident Energy (eV)

91-Pa-231

7

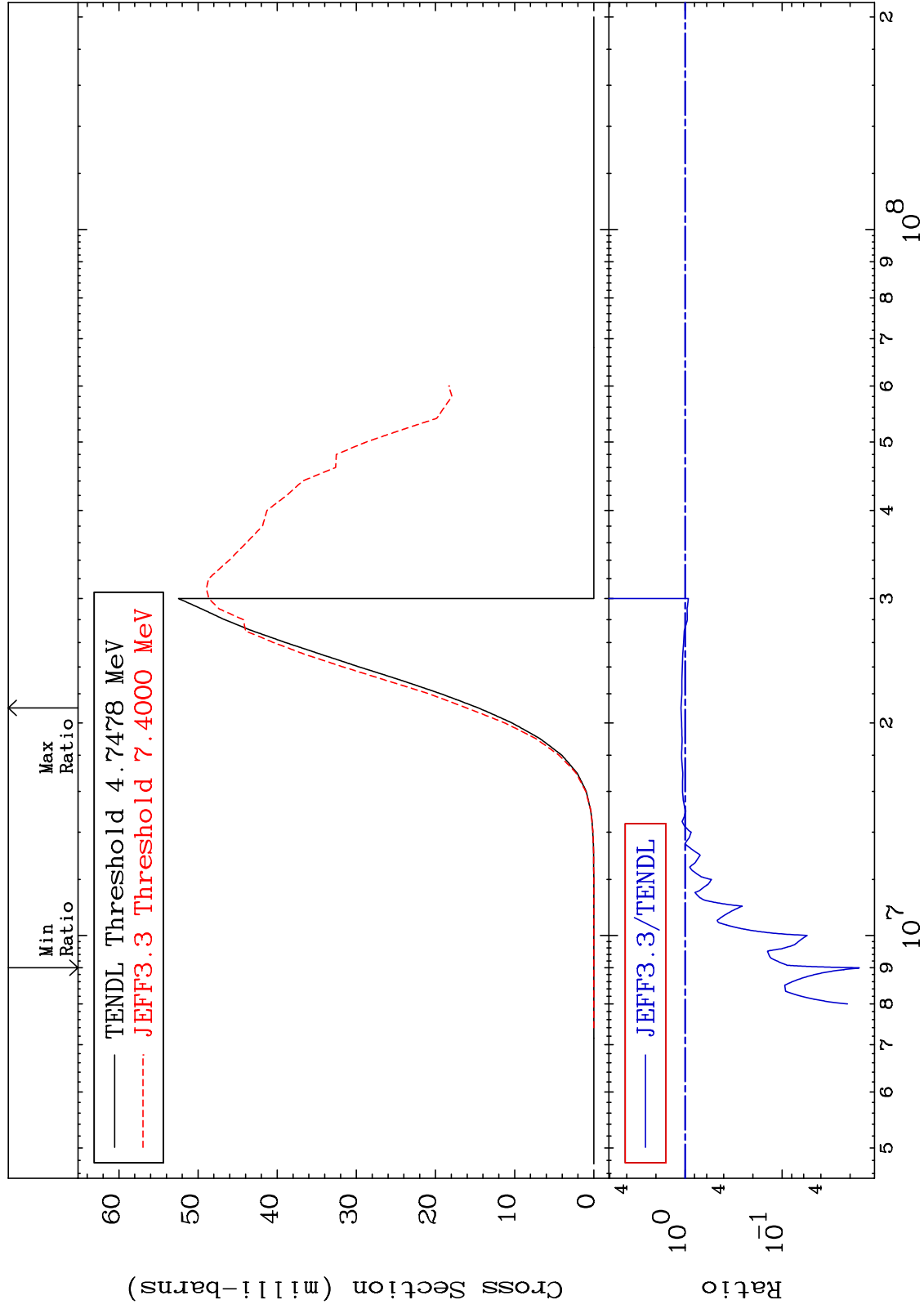
MAT 9131

(n, n') p

91-Pa-231

Cross Section

-98.39 To 10.22 %



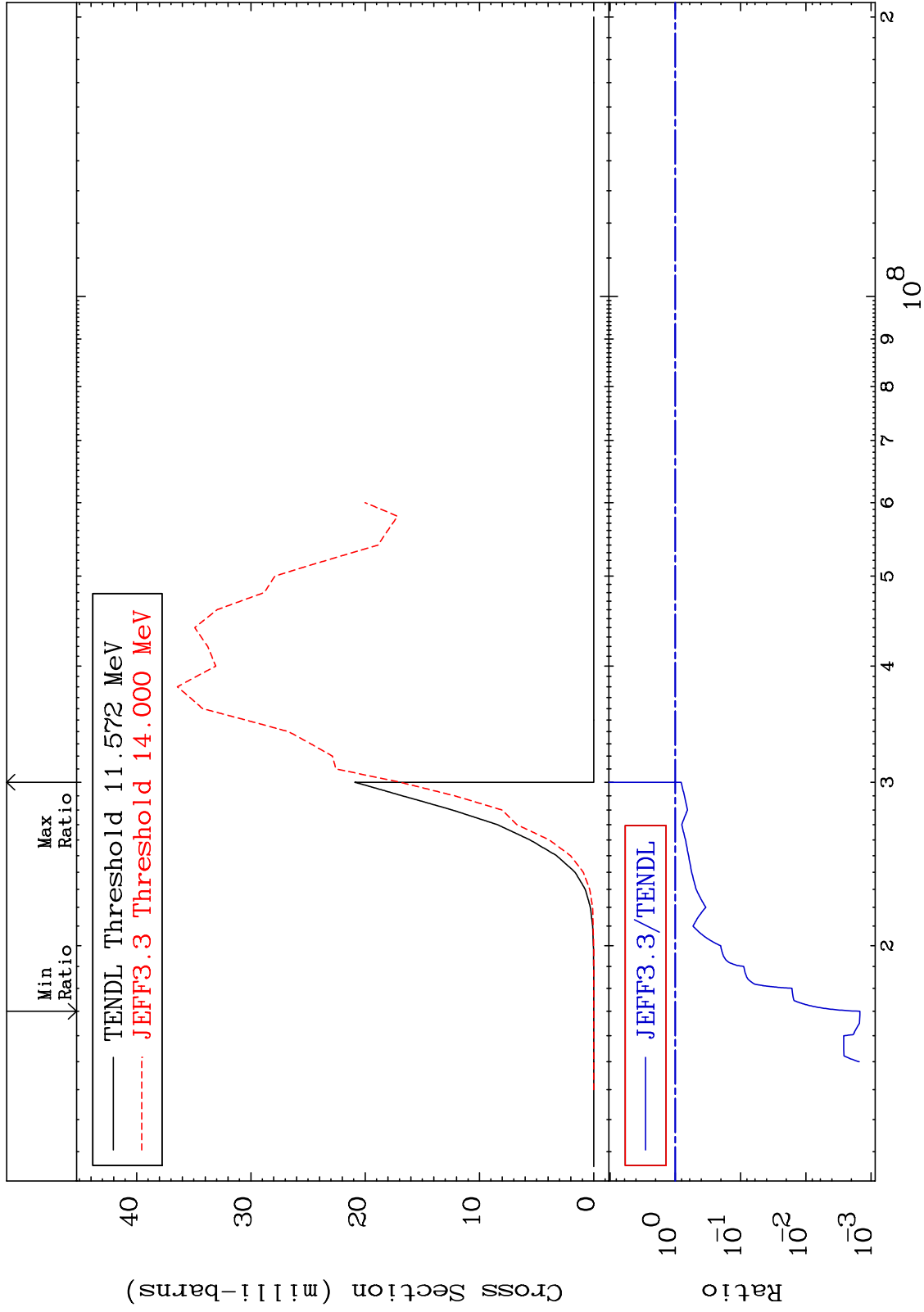
MAT 9131

(n,2n) p

91-Pa-231

Cross Section

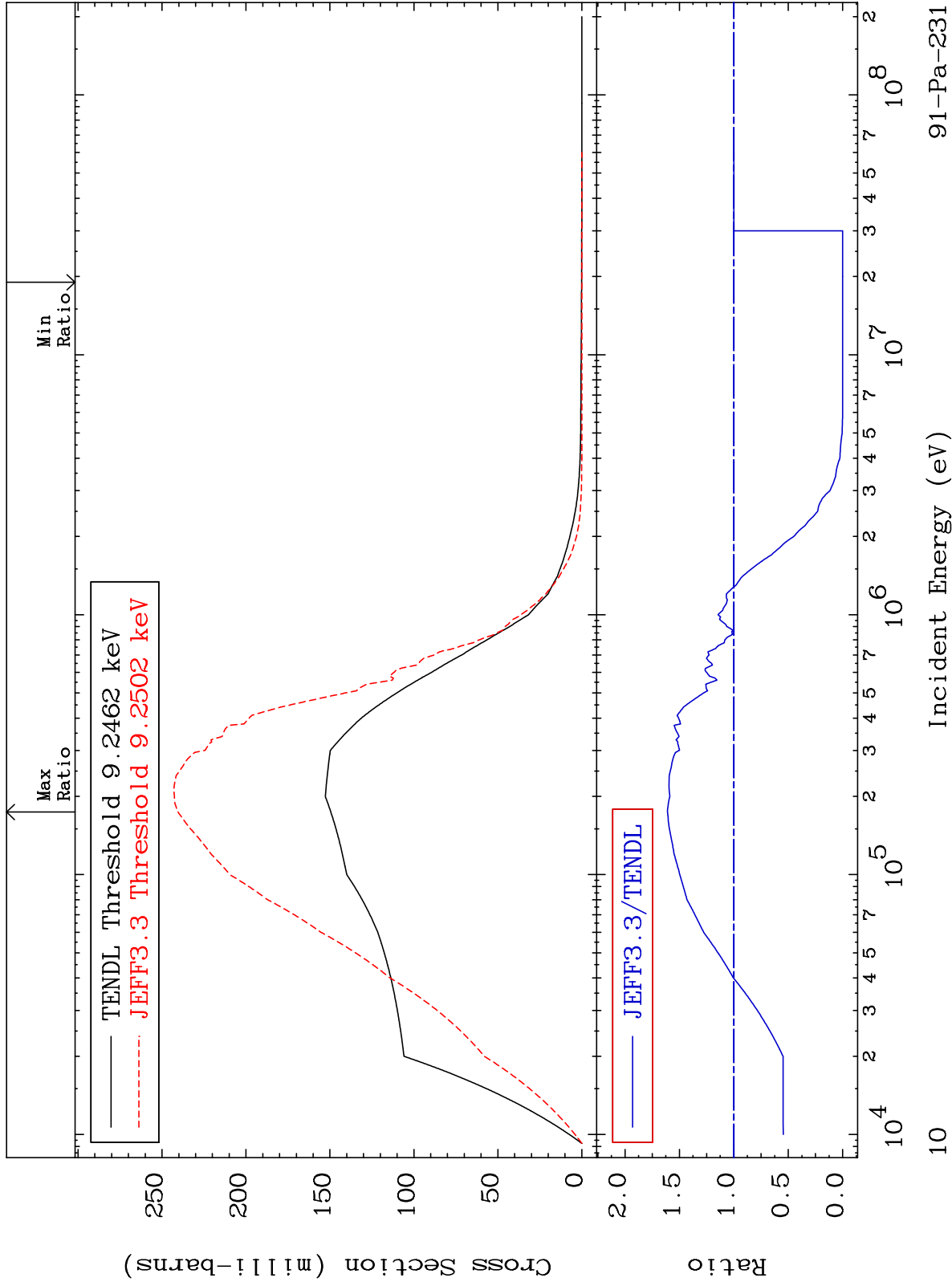
-99.85 To -18.84%



MAT 9131

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

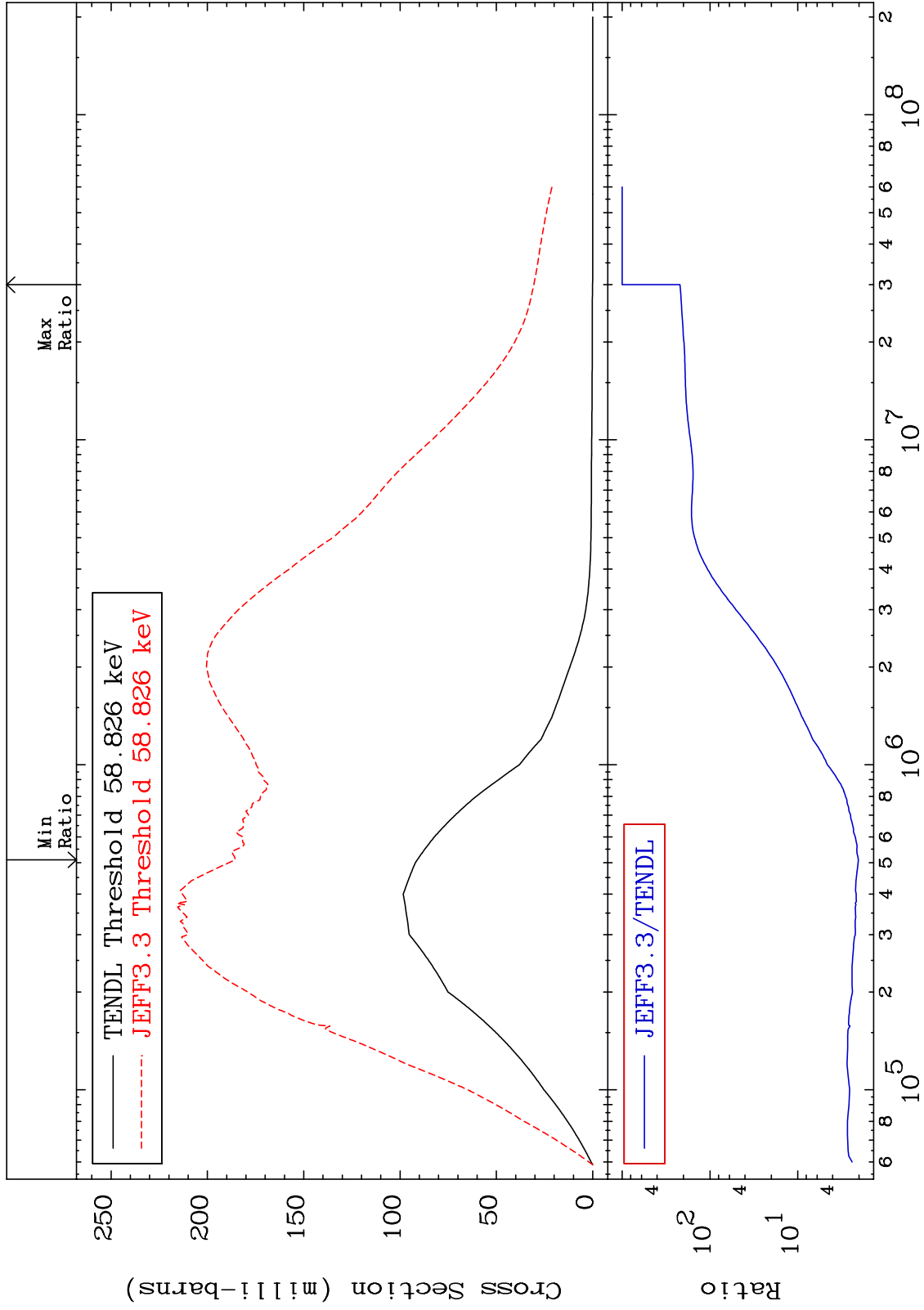
91-Pa-231
-100.0 To 60.91 %



MAT 9131

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

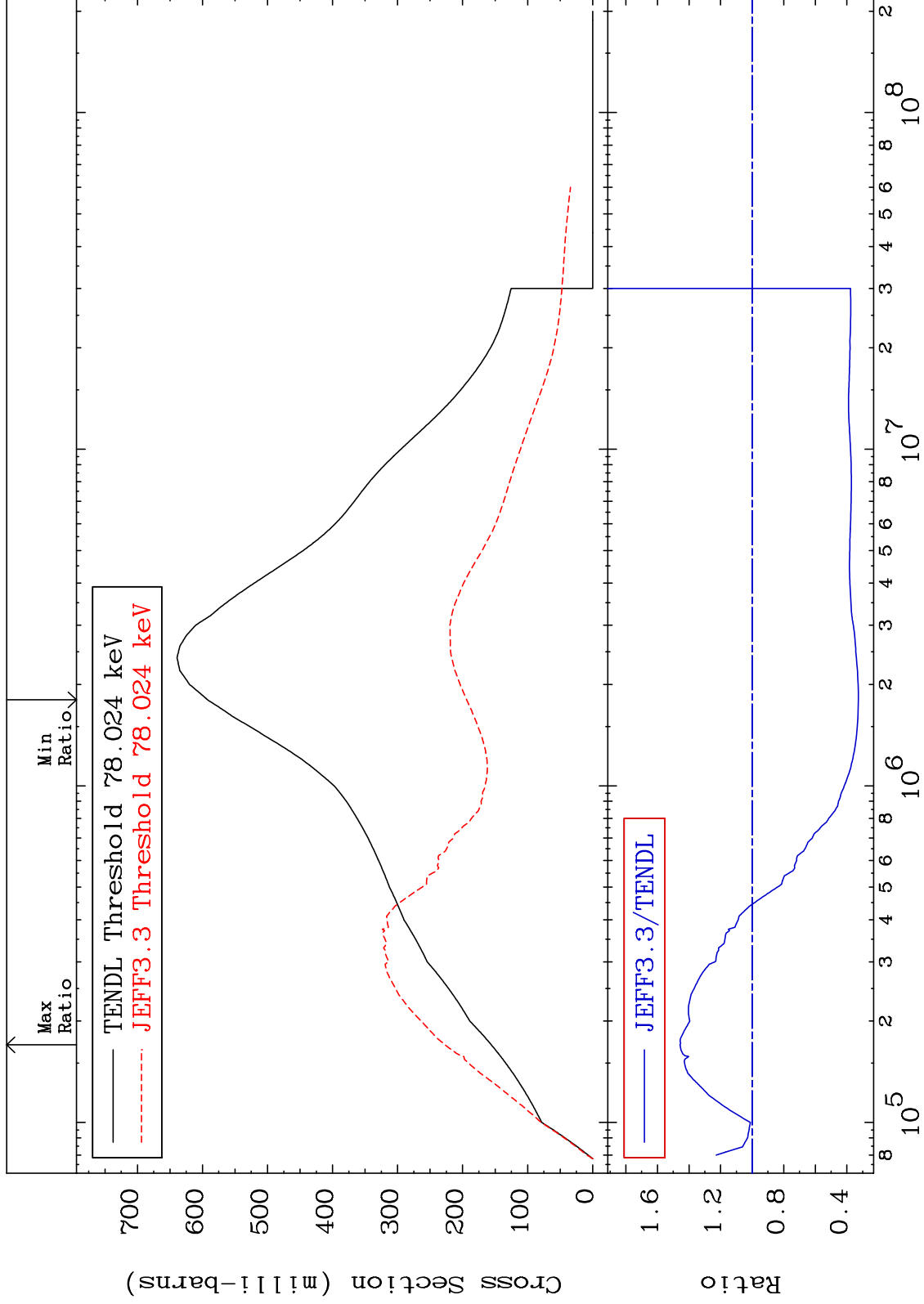
91-Pa-231
103.8 To 9999. %



MAT 9131

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

91-Pa-231
-67.29 To 45.70 %



12

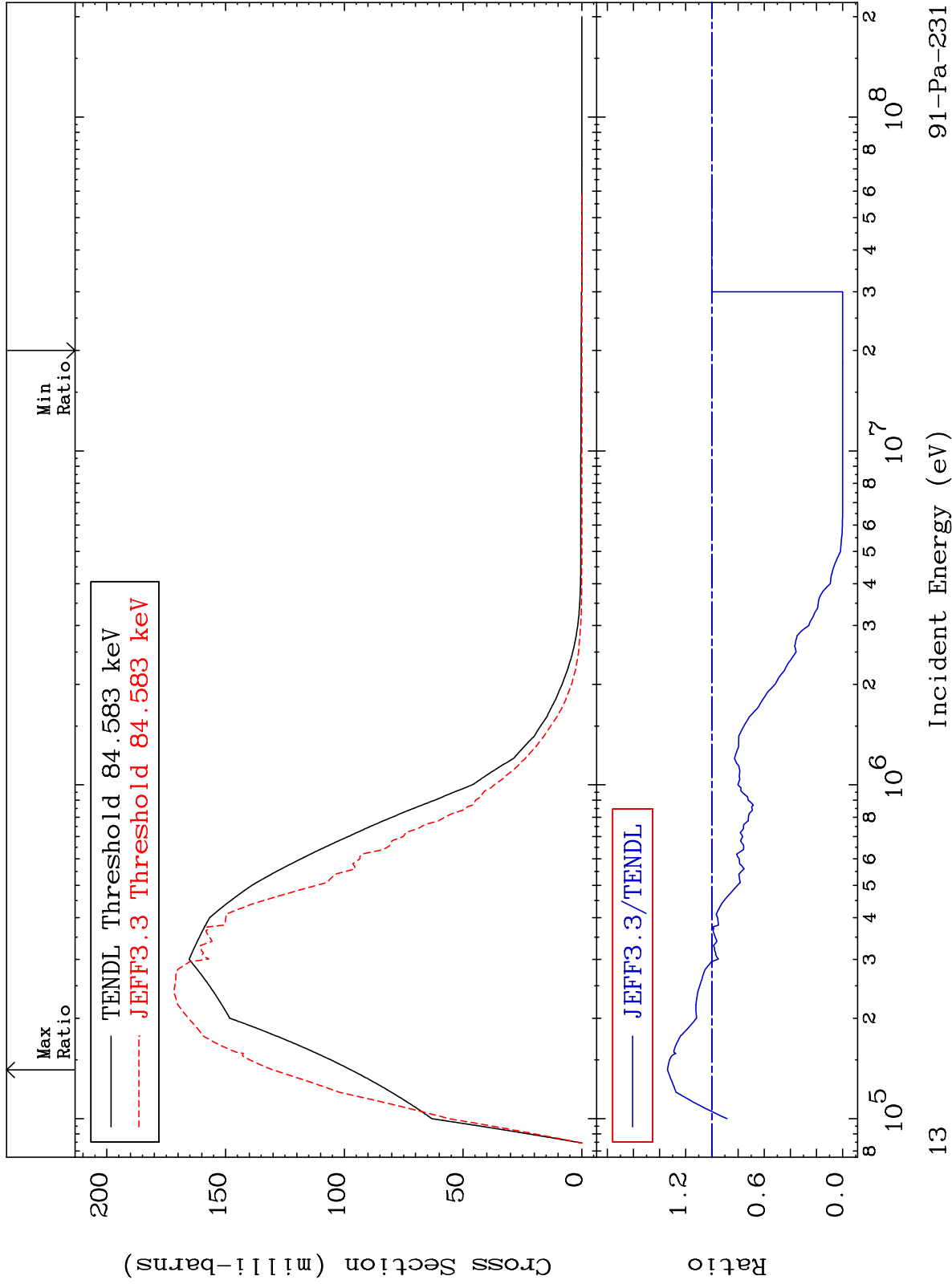
Incident Energy (eV)

91-Pa-231

MAT 9131

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

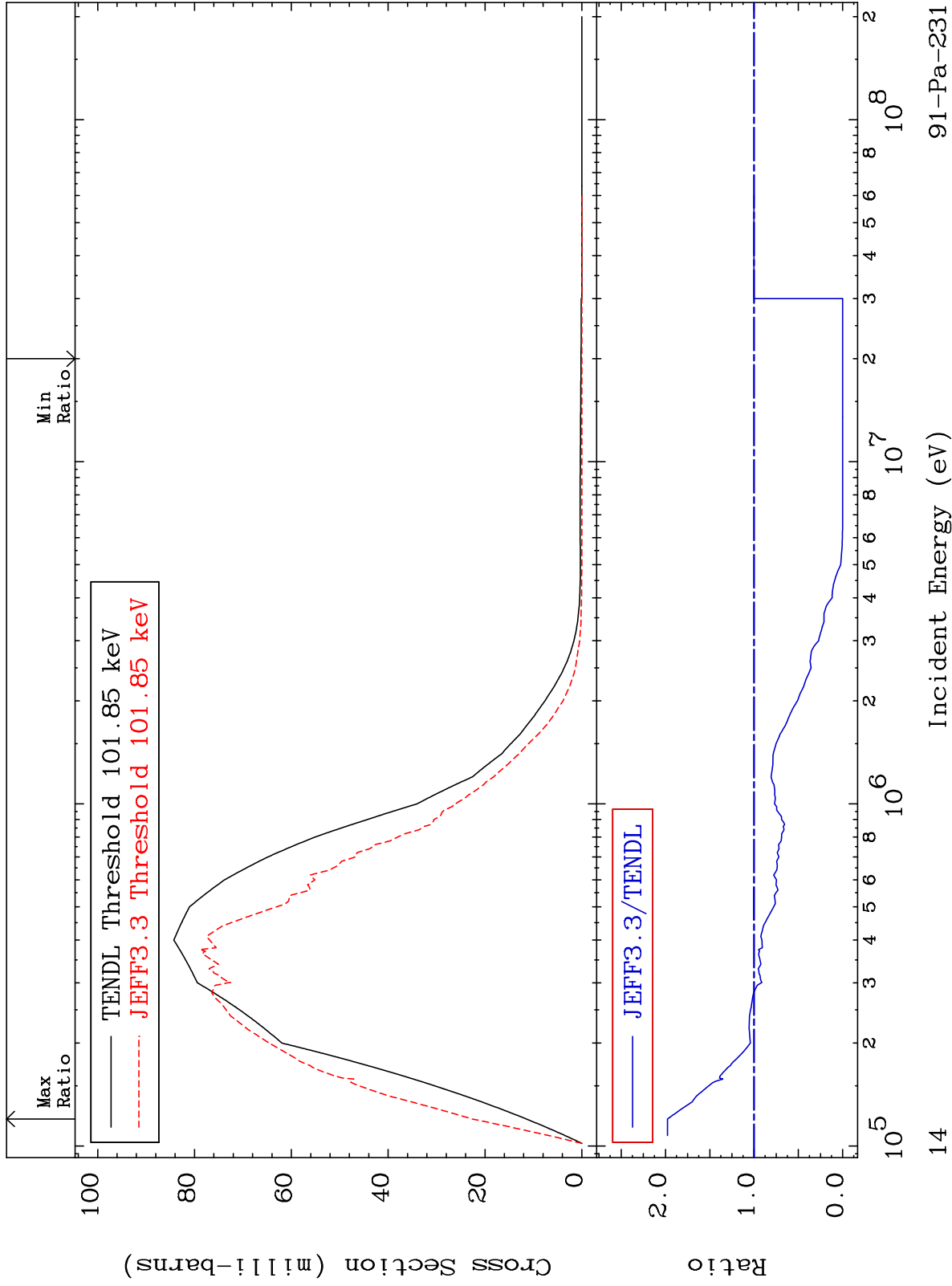
91-Pa-231
-100.0 To 33.90 %



MAT 9131

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

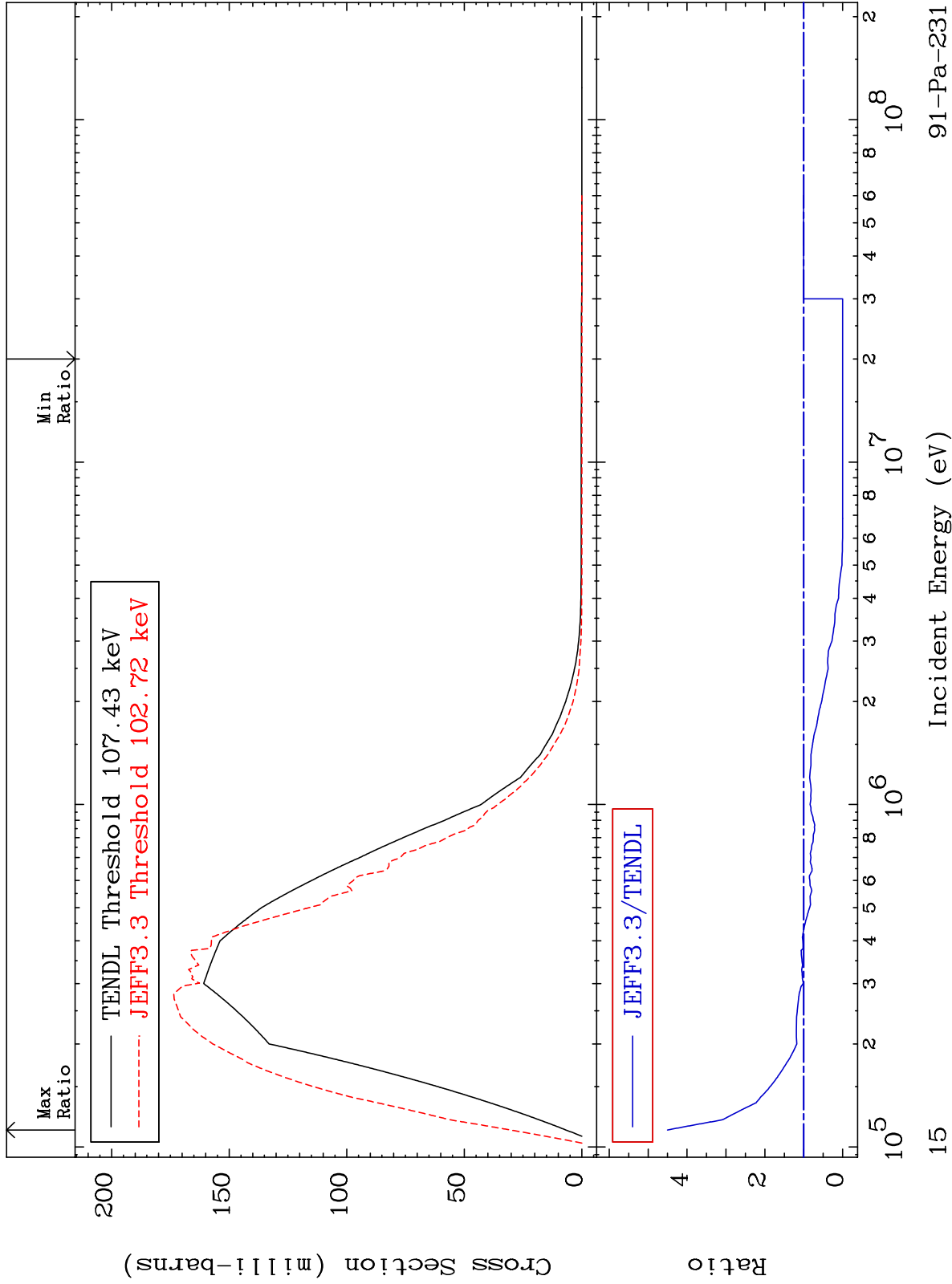
91-Pa-231
-100.0 To 97.68 %



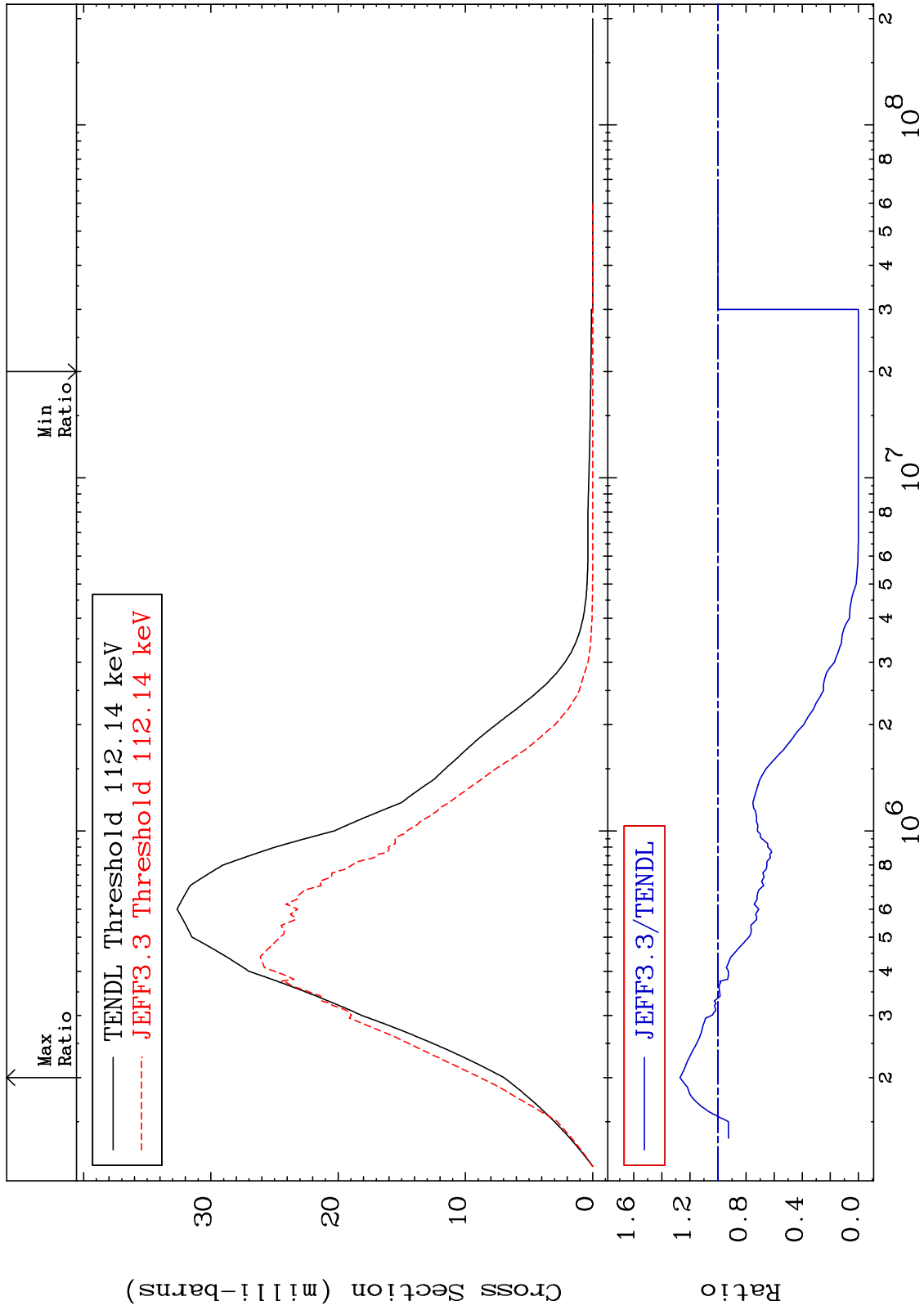
MAT 9131

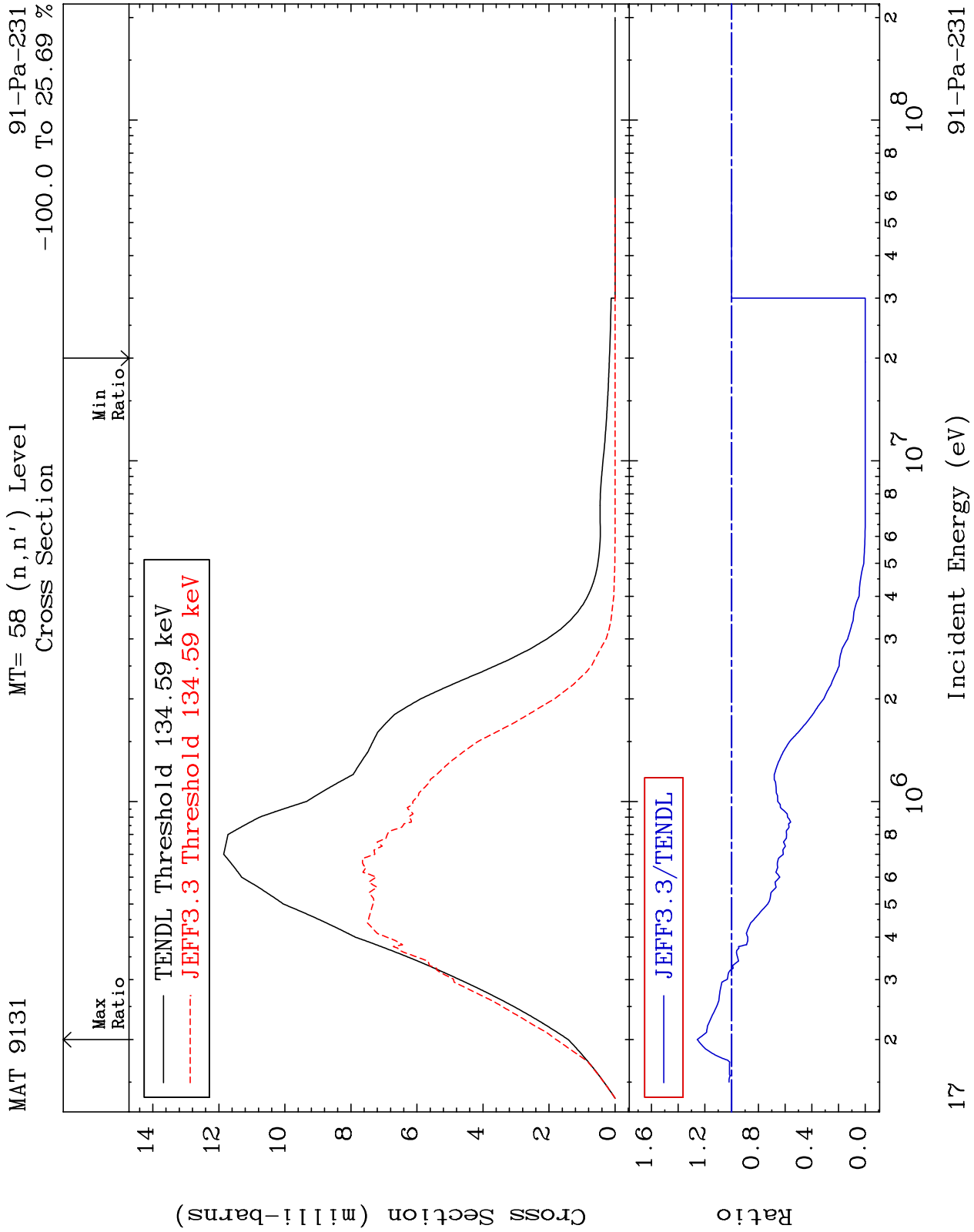
MT= 56 (n,n') Level
Cross Section

91-Pa-231
-100.0 To 350.1 %



MAT 9131 MT= 57 (n,n') Level Cross Section 91-Pa-231
 -100.0 To 27.04 %

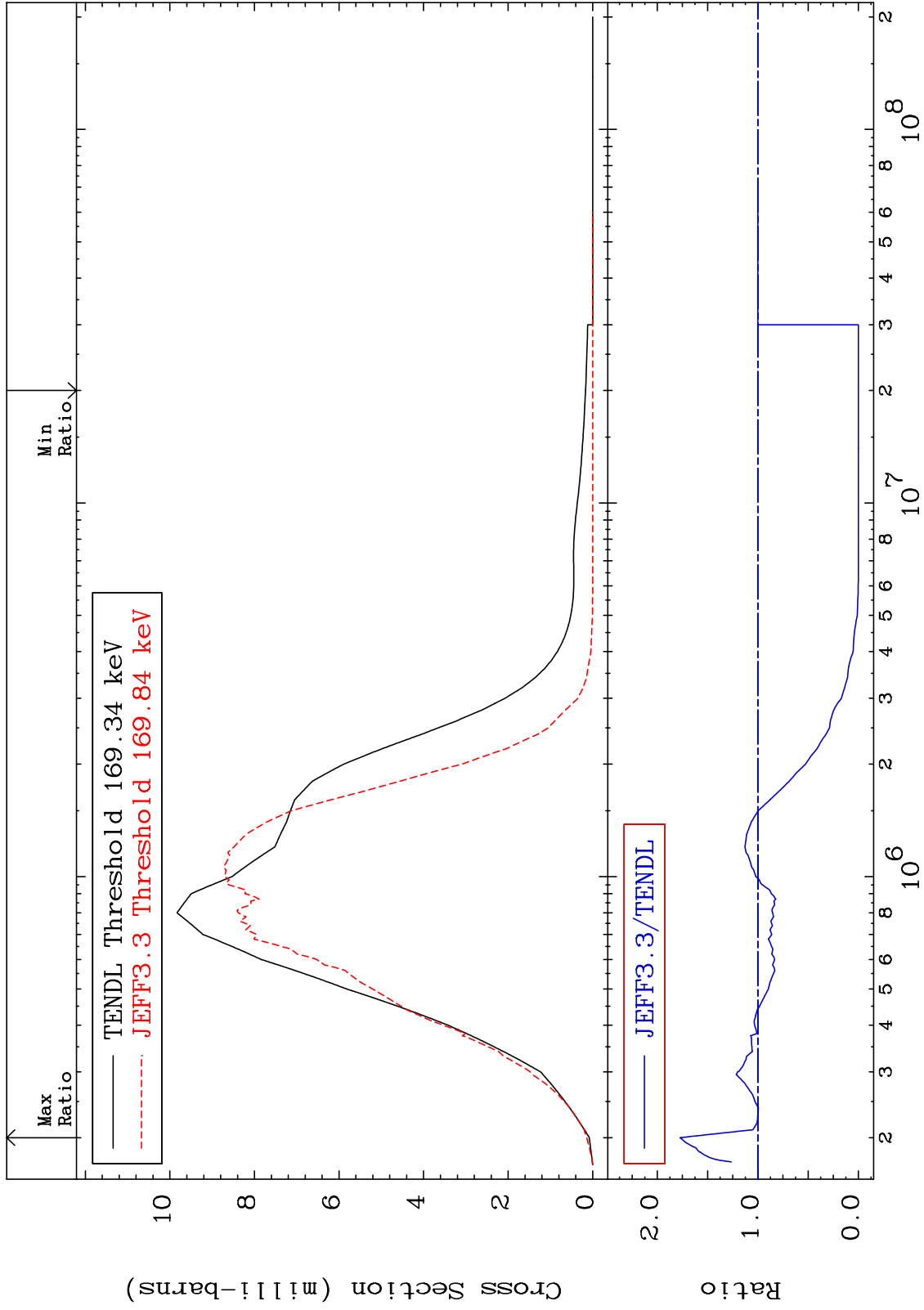




MAT 9131

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

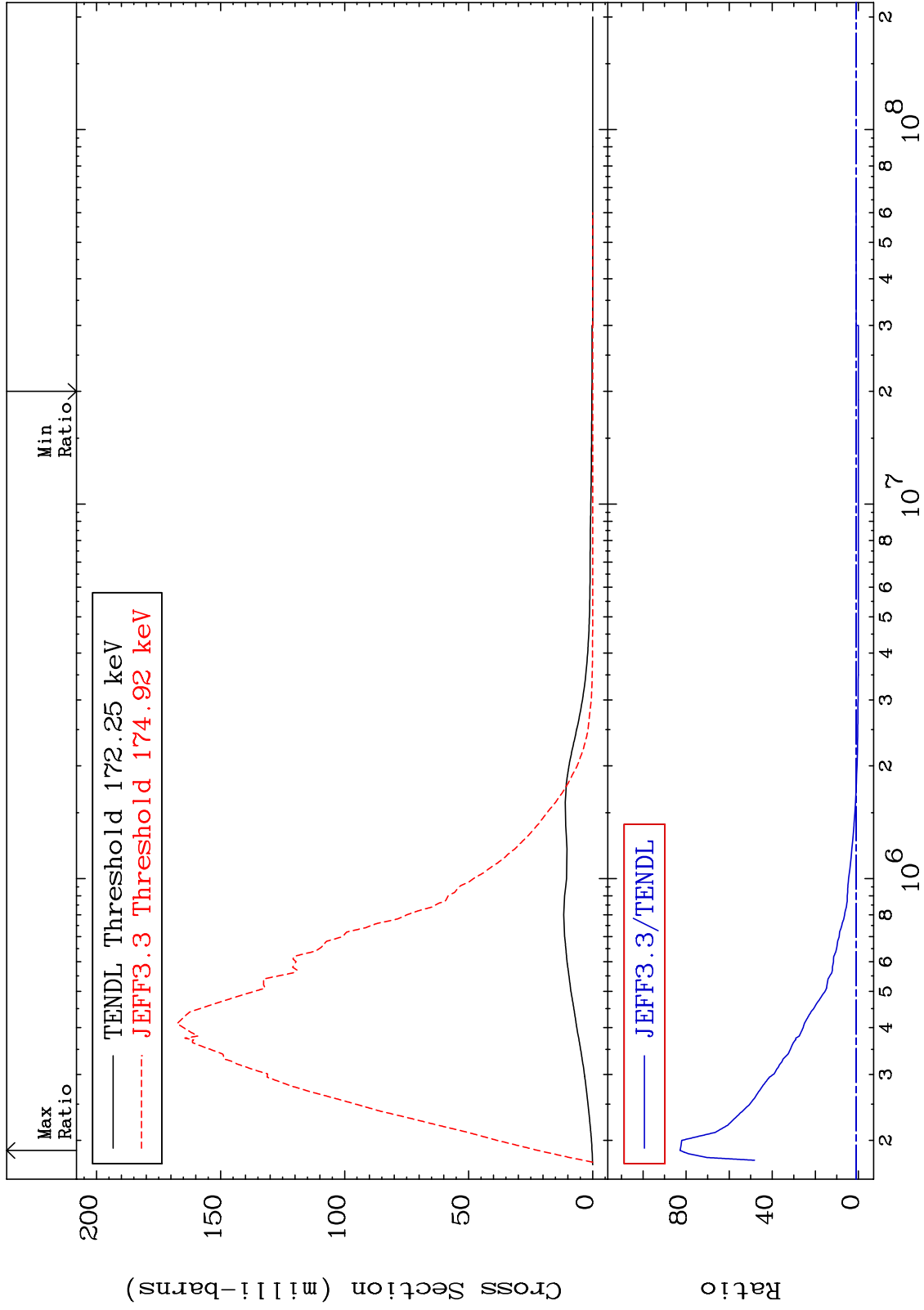
91-Pa-231
-100.0 To 77.41 %

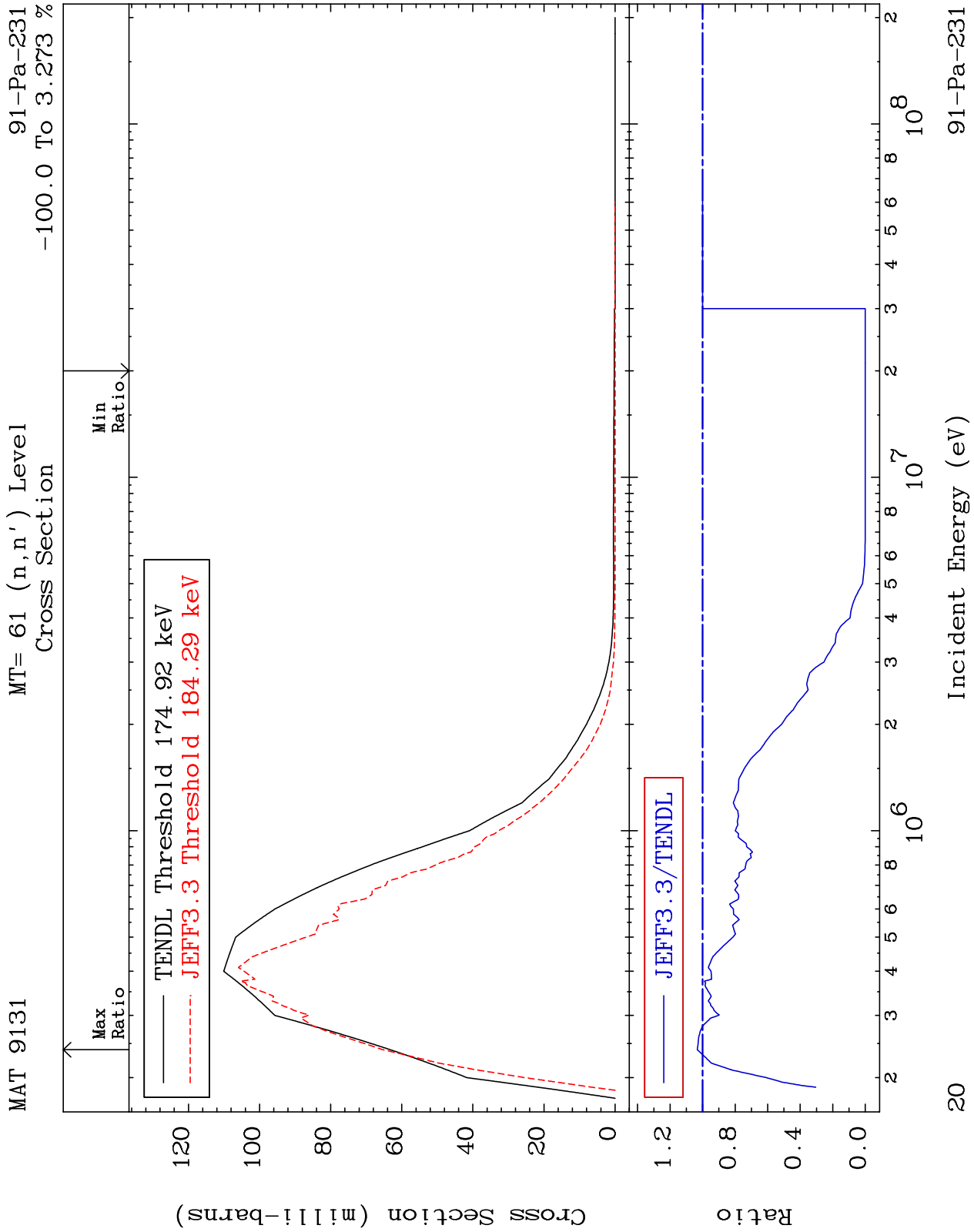


MAT 9131

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

91-Pa-231
-100.0 To 8182. %

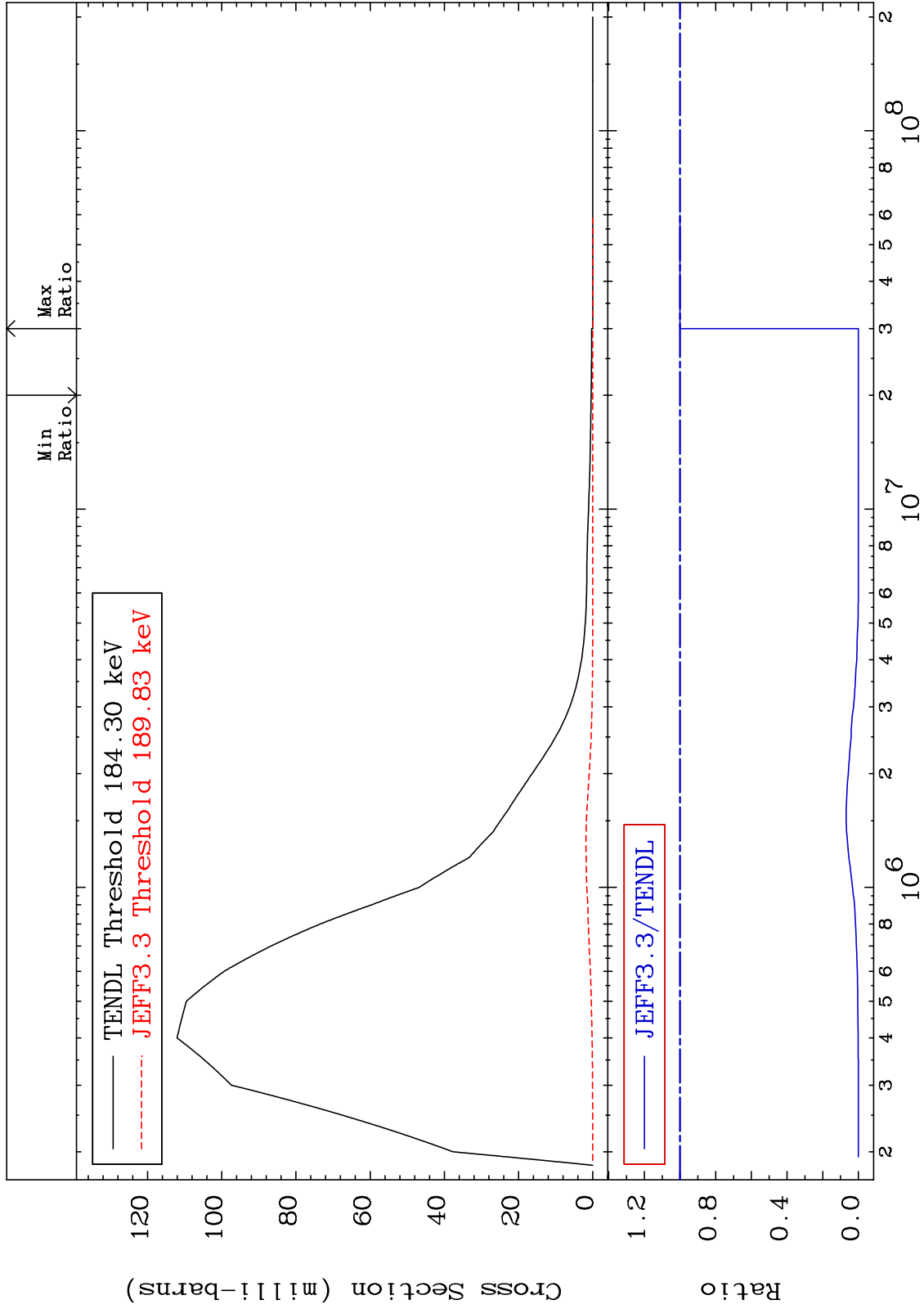




MAT 9131

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

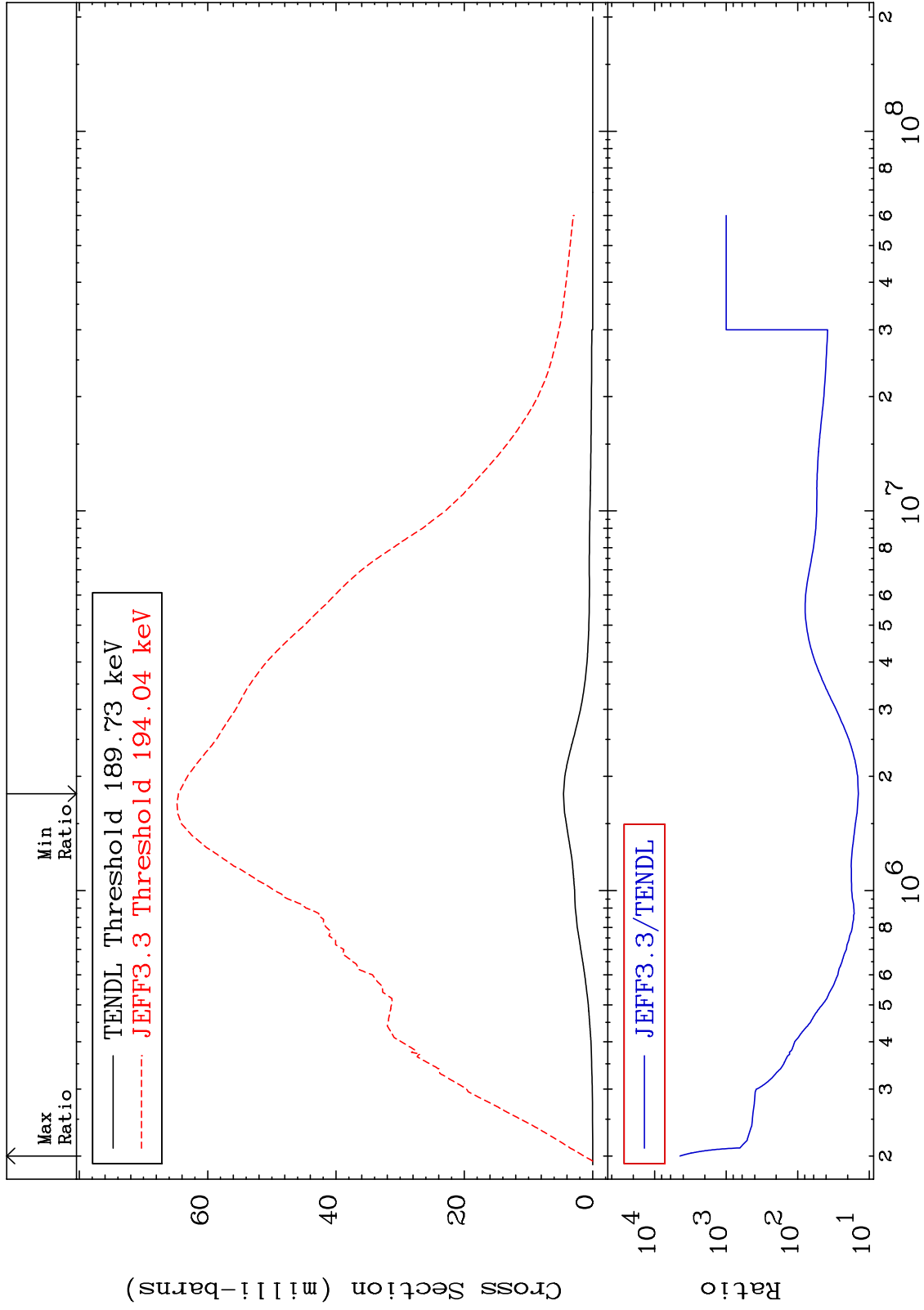
91-Pa-231
-100.0 To 0.000 %



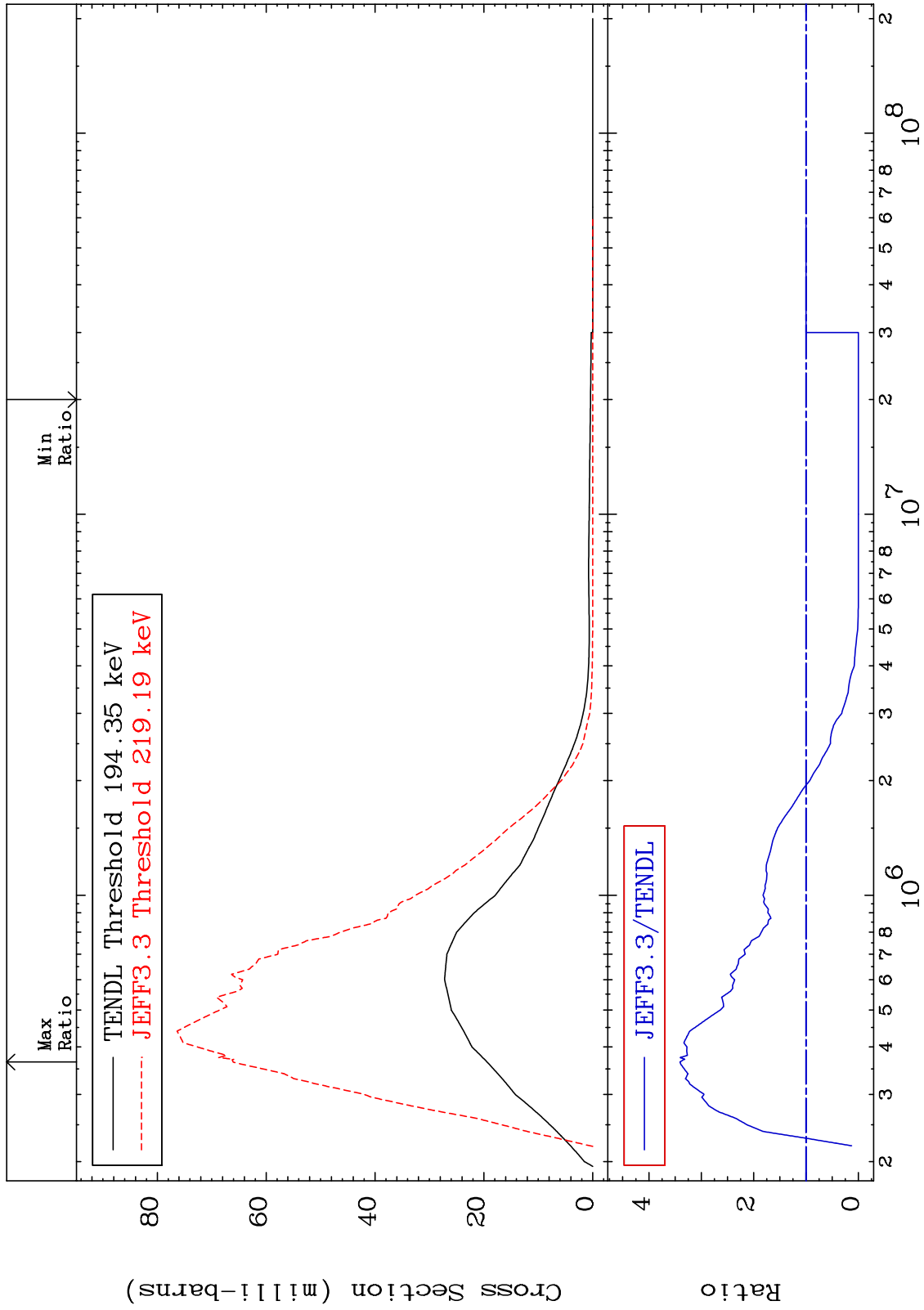
MAT 9131

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

91-Pa-231
1316. To 9999. %



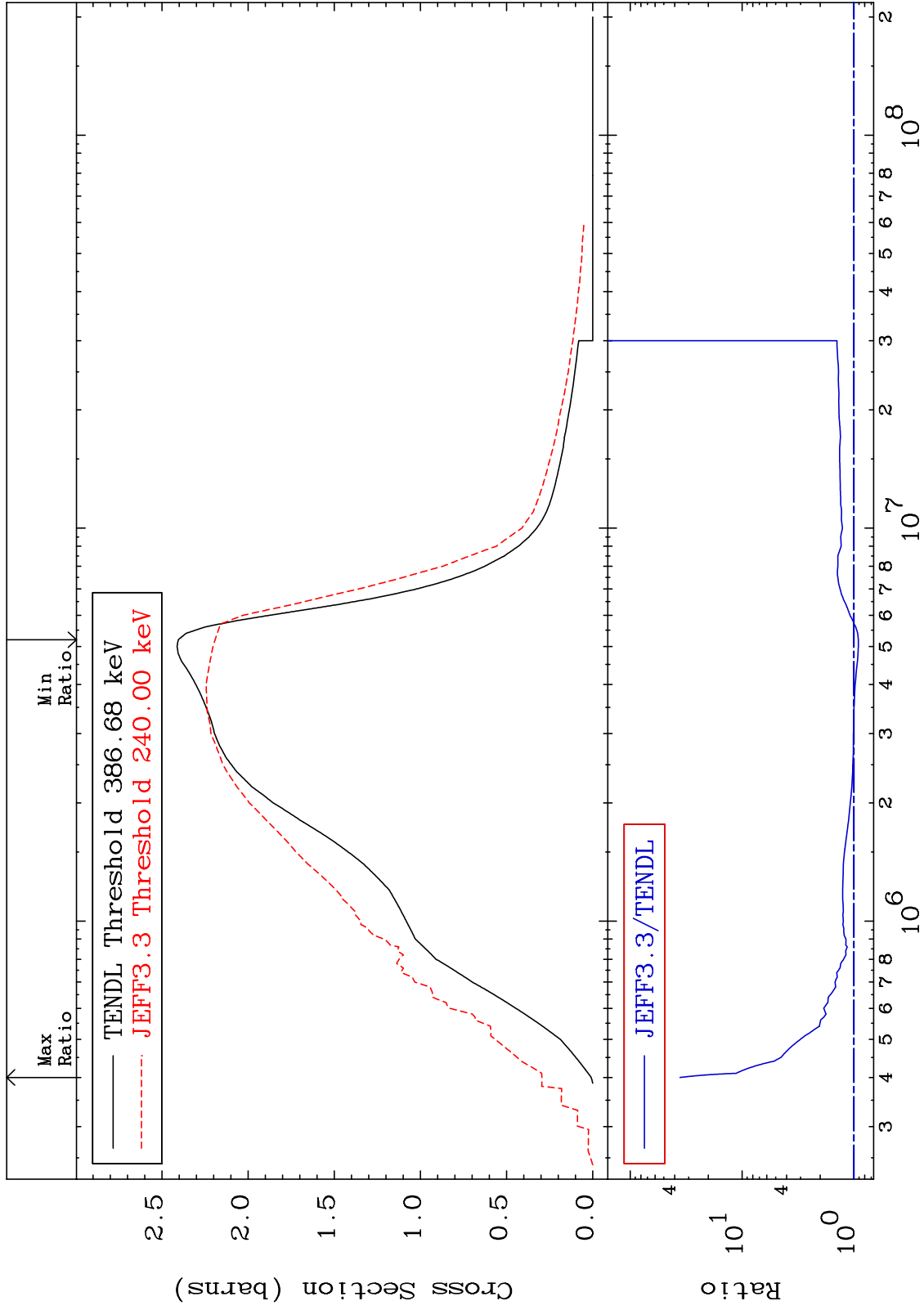
MAT 9131 MT= 64 (n,n') Level Cross Section 91-Pa-231
 -100.0 To 240.6 %



MAT 9131

(n, n') Continuum
Cross Section

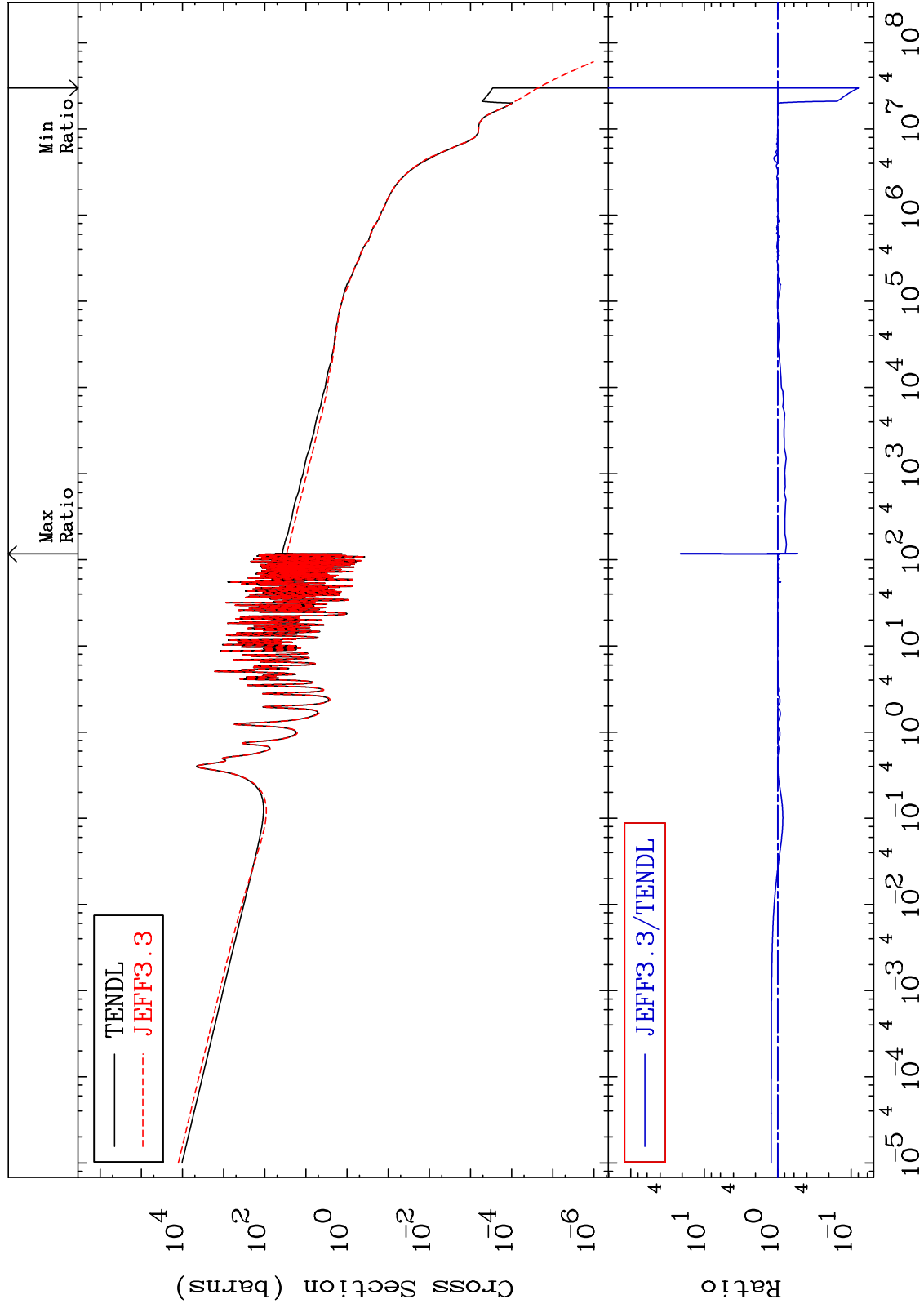
91-Pa-231
-8.888 To 3484. %



MAT 9131

(n, γ)
Cross Section

91-Pa-231
-92.09 To 2009. %



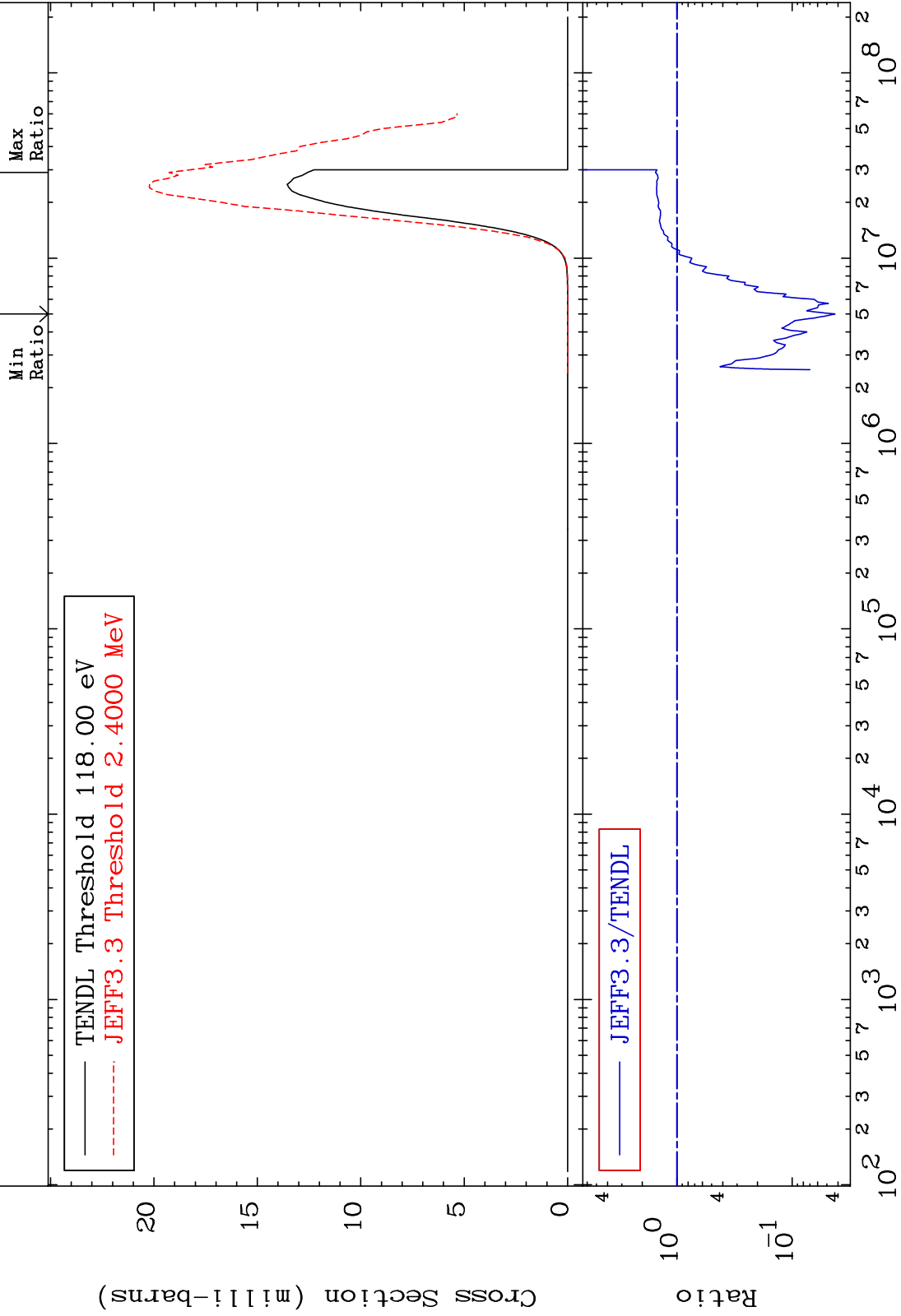
MAT 9131

(n, p)

91-Pa-231

Cross Section

-95.75 To 53.29 %



Incident Energy (eV)

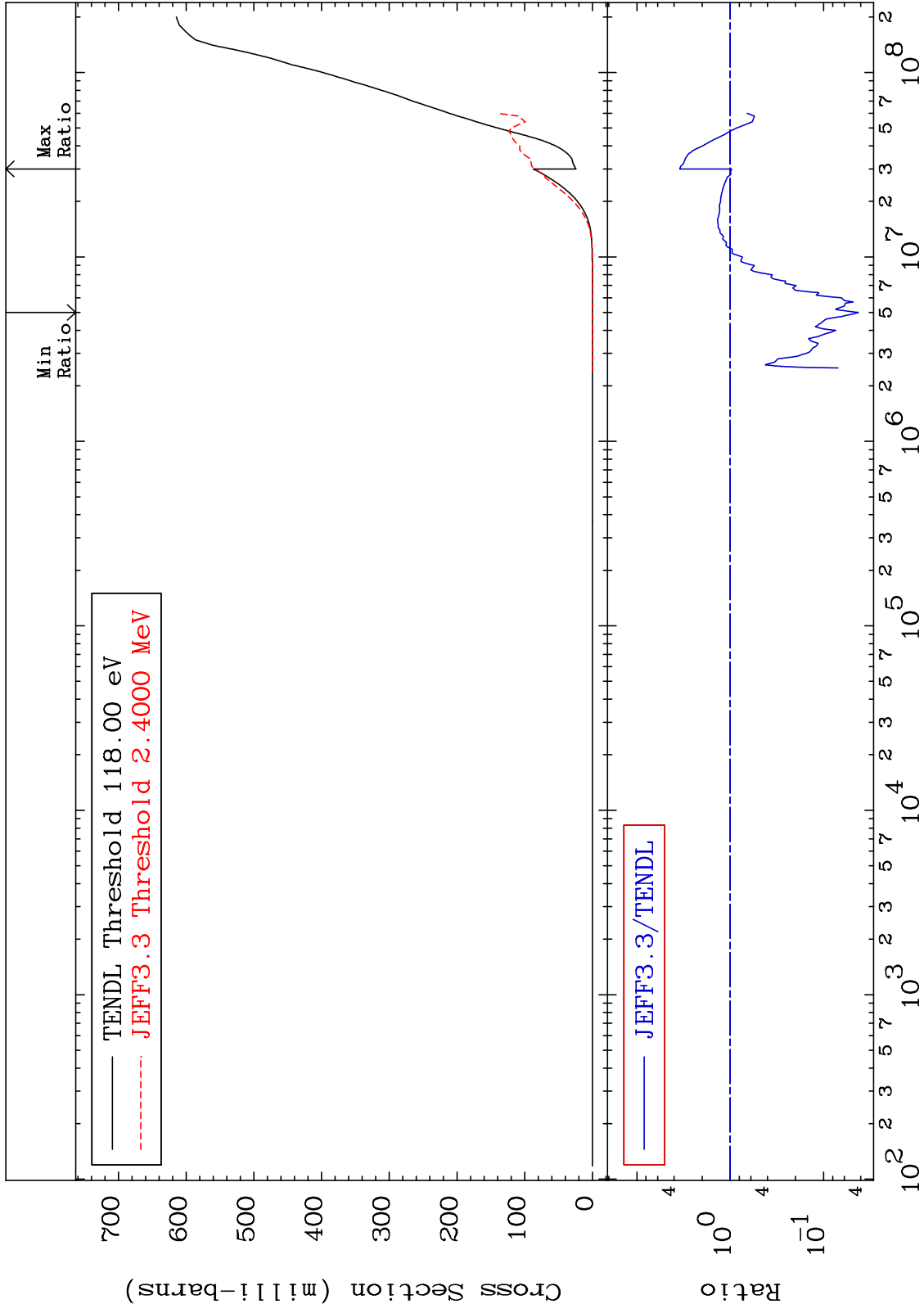
91-Pa-231

26

MAT 9131

Hydrogen Production
Cross Section

91-Pa-231
-95.75 To 246.9 %



27

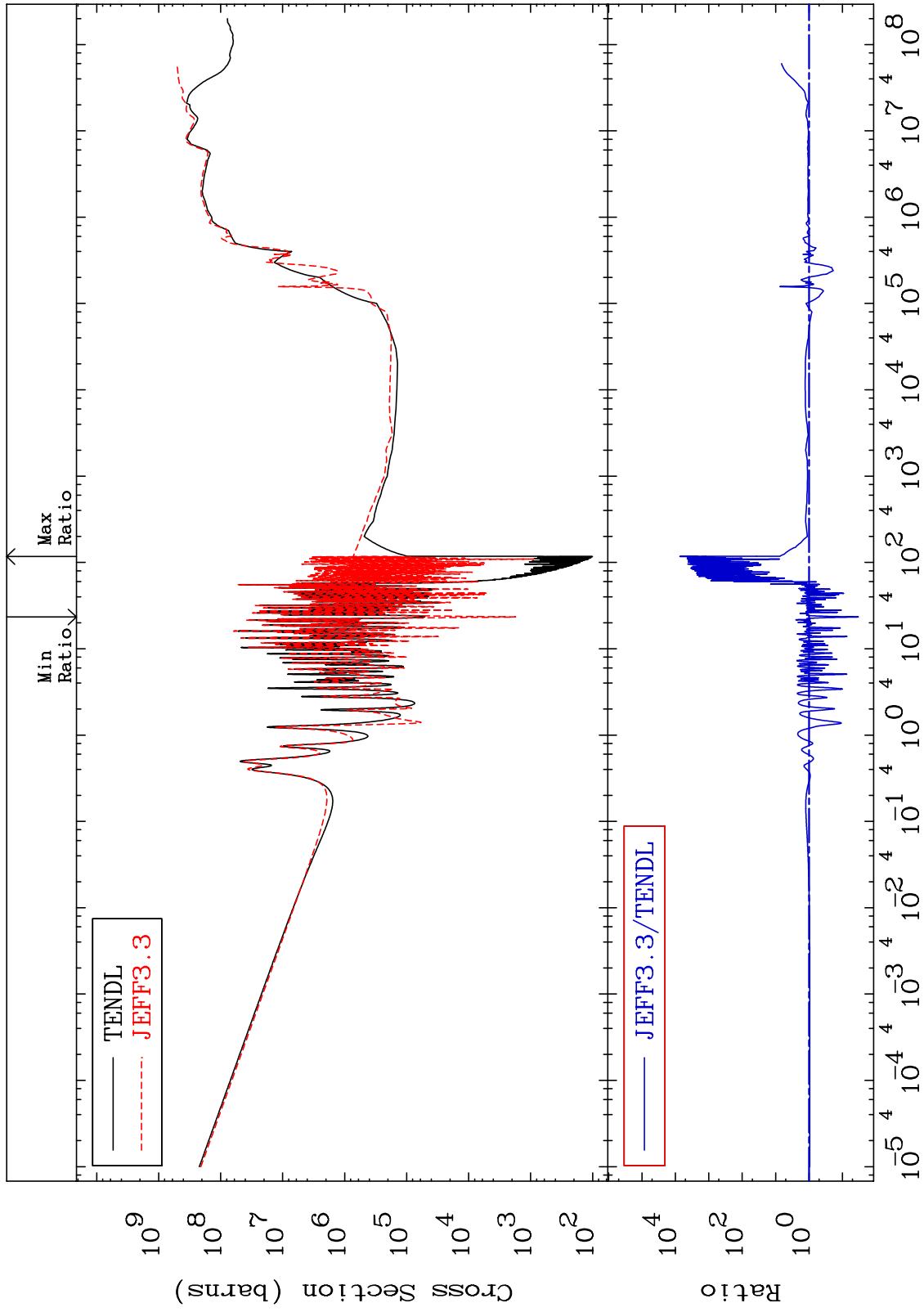
Incident Energy (eV)

91-Pa-231

MAT 9131

Kerma total (eV-barns)
Cross Section

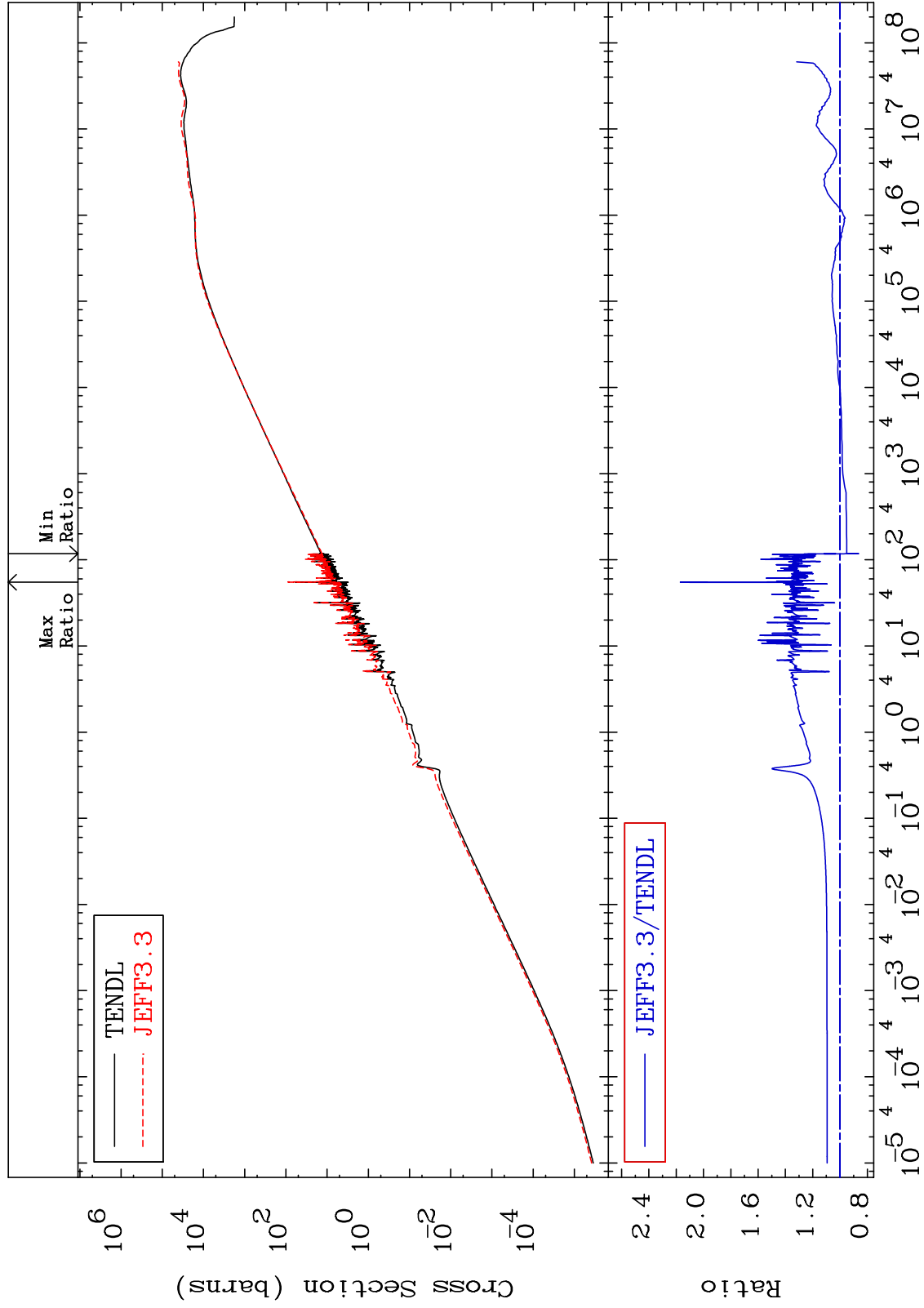
91-Pa-231
-96.69 To 9999. %



MAT 9131

Kerma elastic
Cross Section

91-Pa-231
-13.57 To 116.9 %



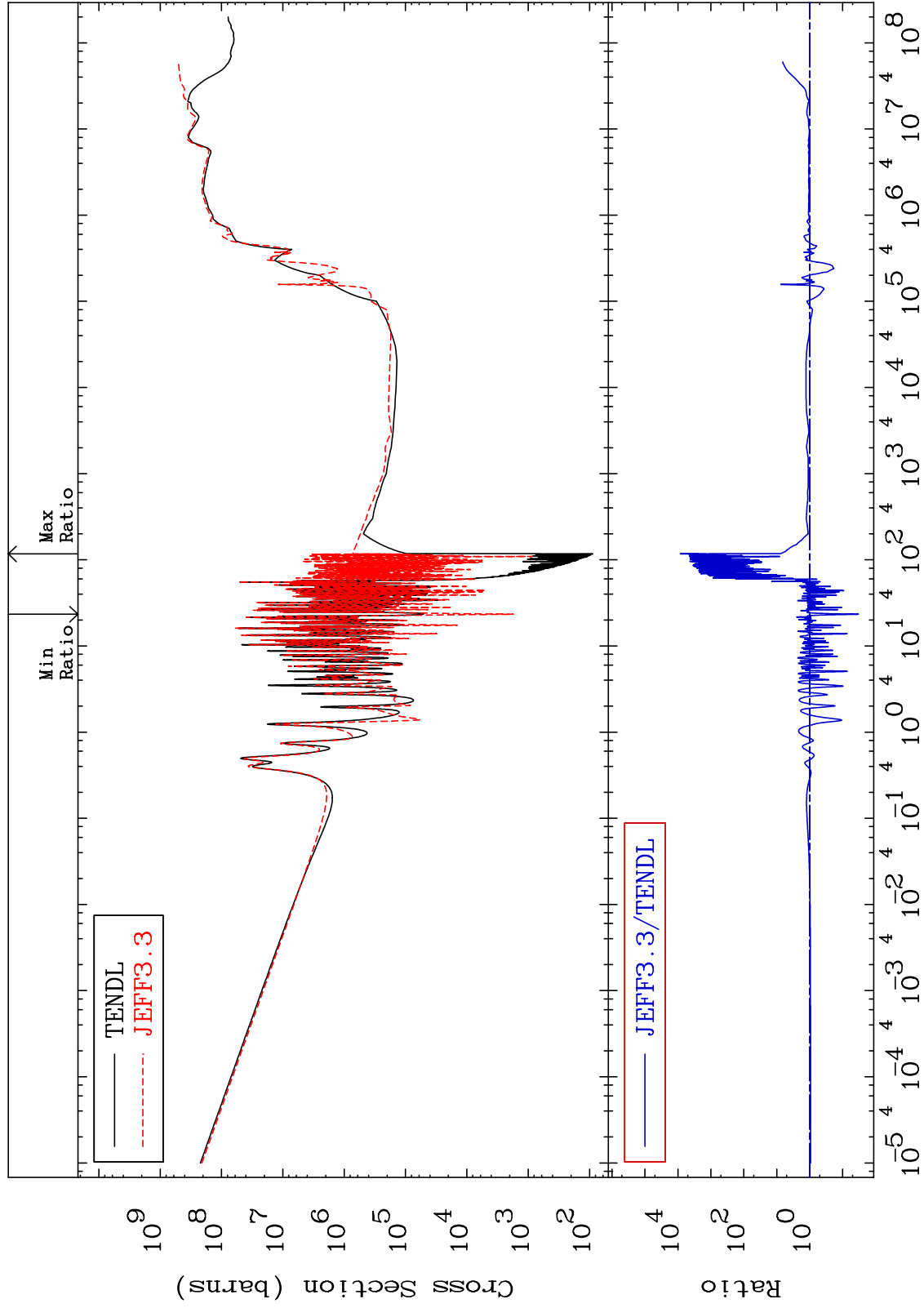
MAT 9131

Kerma non-elastic (all but mt2)

91-Pa-231

-96.69 To 9999. %

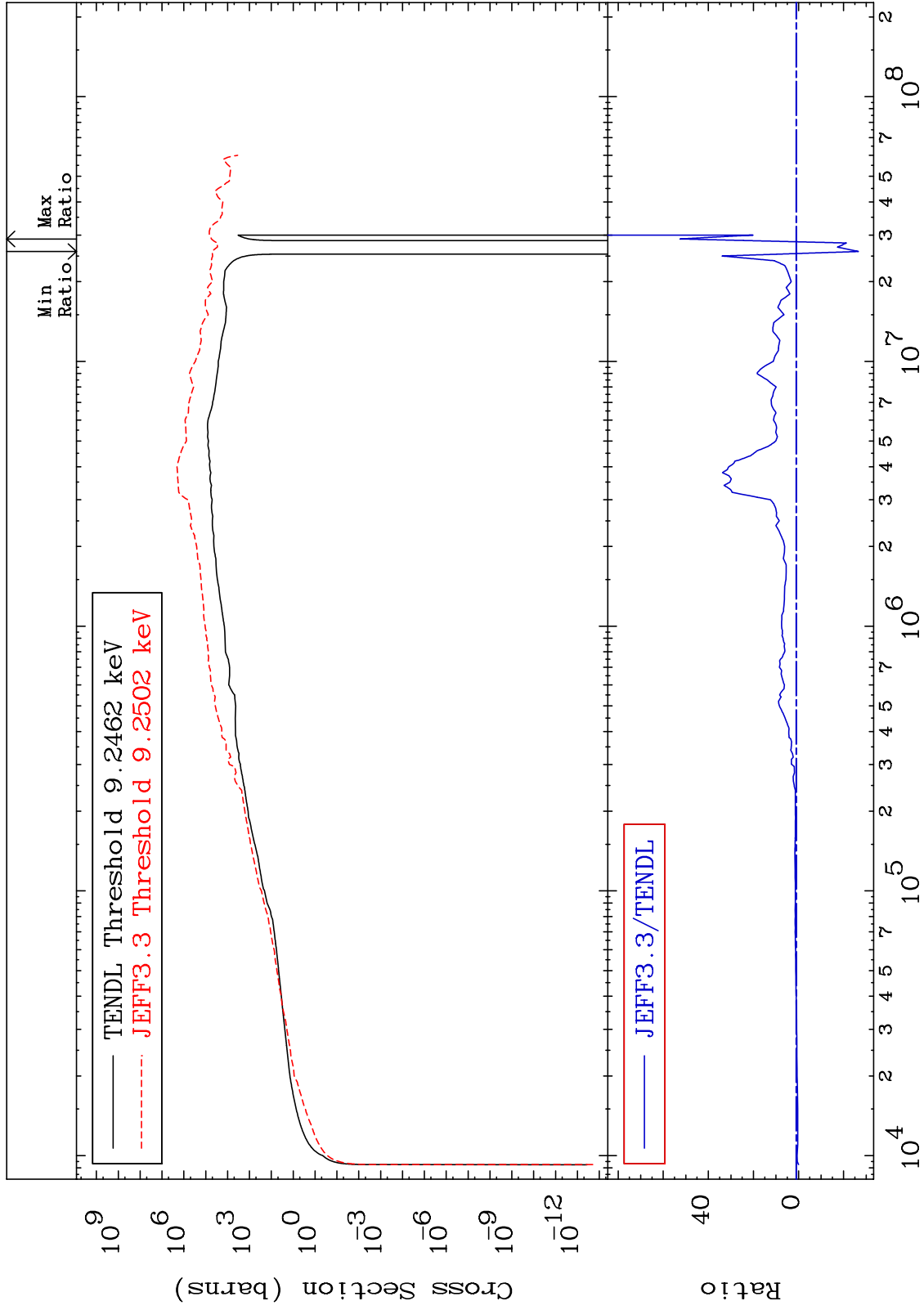
Cross Section



MAT 9131

Kerma inelastic (mt51-91)
Cross Section

91-Pa-231
-2755. To 5156. %



31

Incident Energy (eV)

91-Pa-231

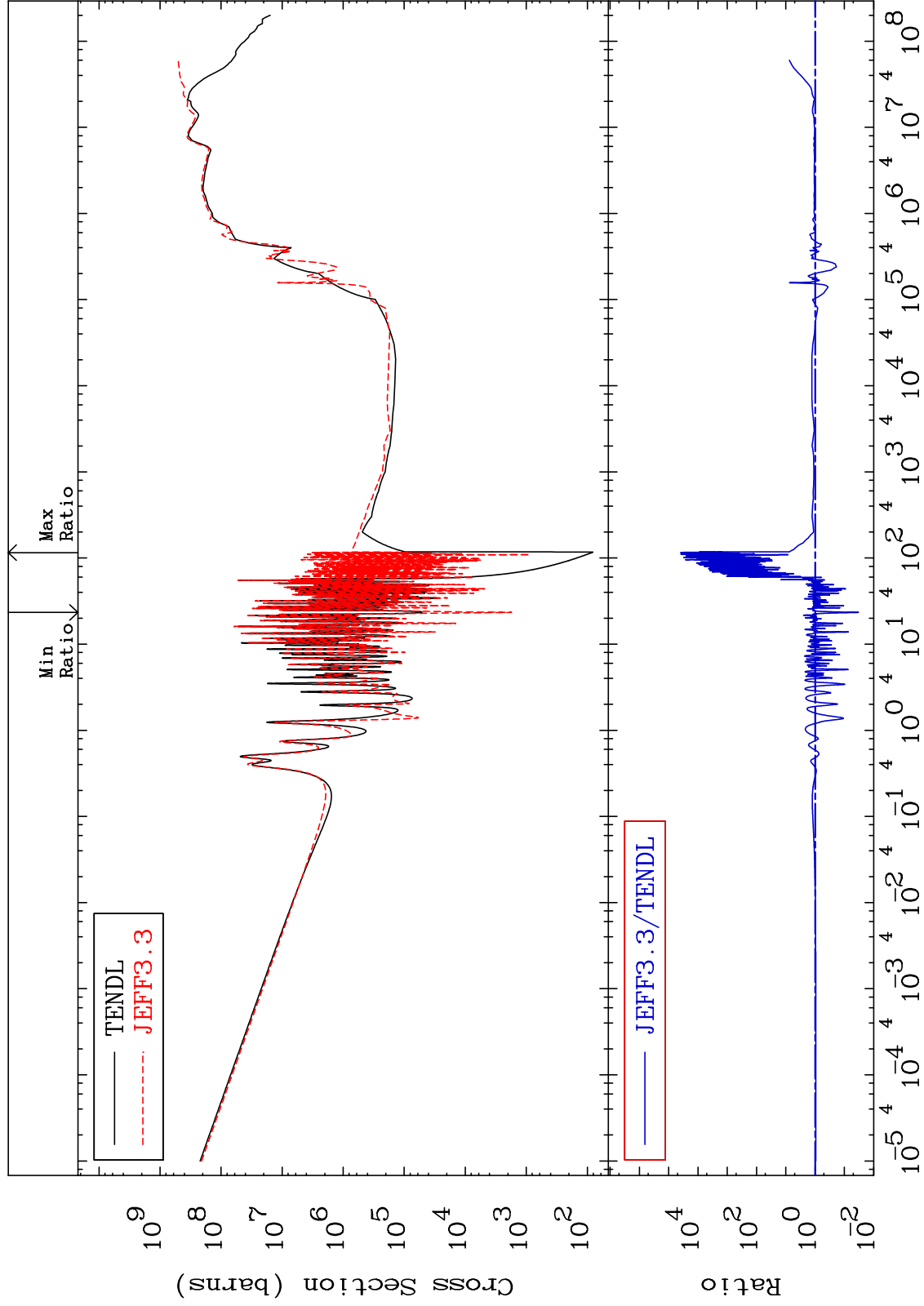
MAT 9131

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

91-Pa-231

-96.71 To 9999. %

Cross Section



32

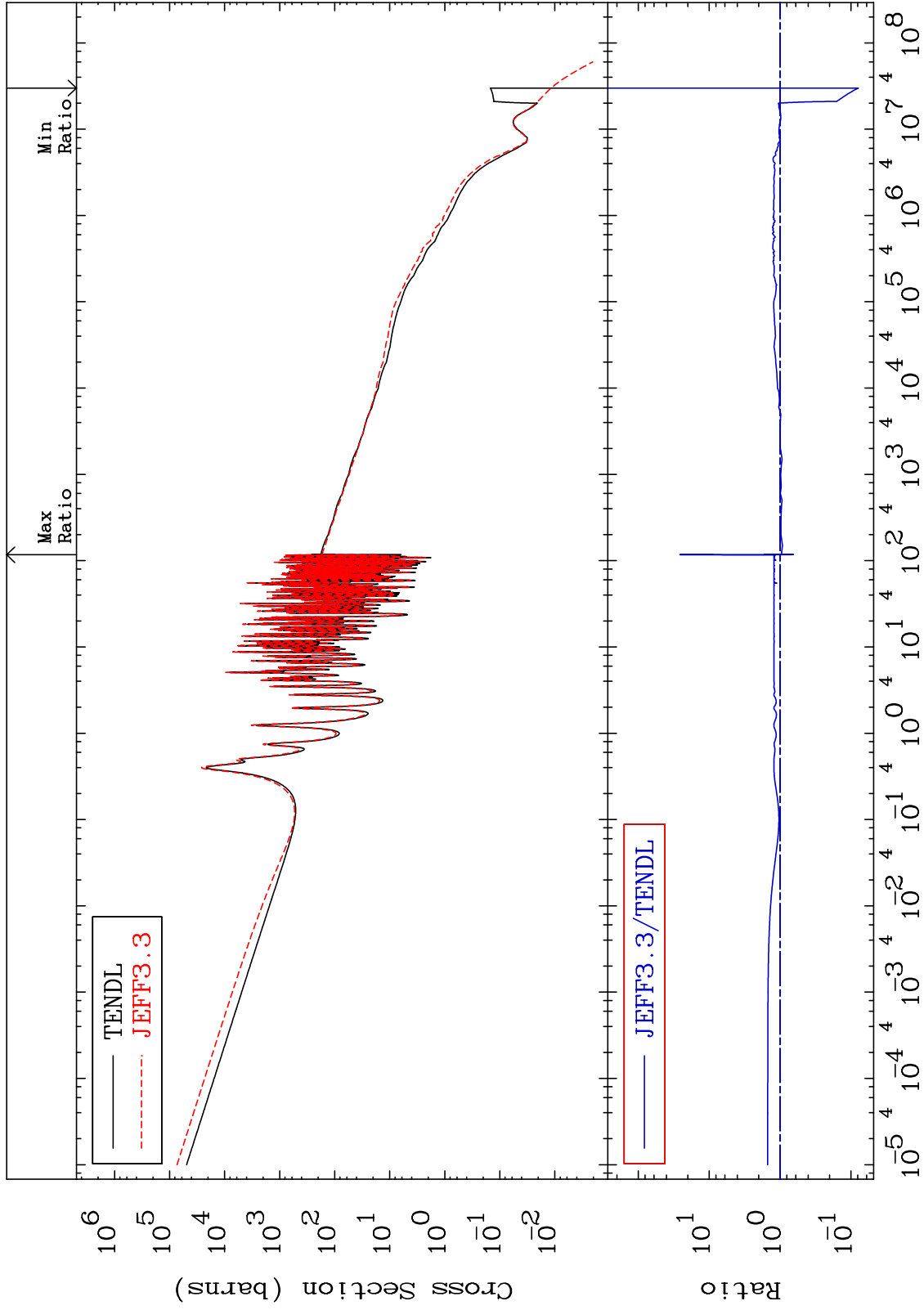
Incident Energy (eV)

91-Pa-231

MAT 9131

Kerma capture (mt102)
Cross Section

91-Pa-231
-92.16 To 2475. %



33

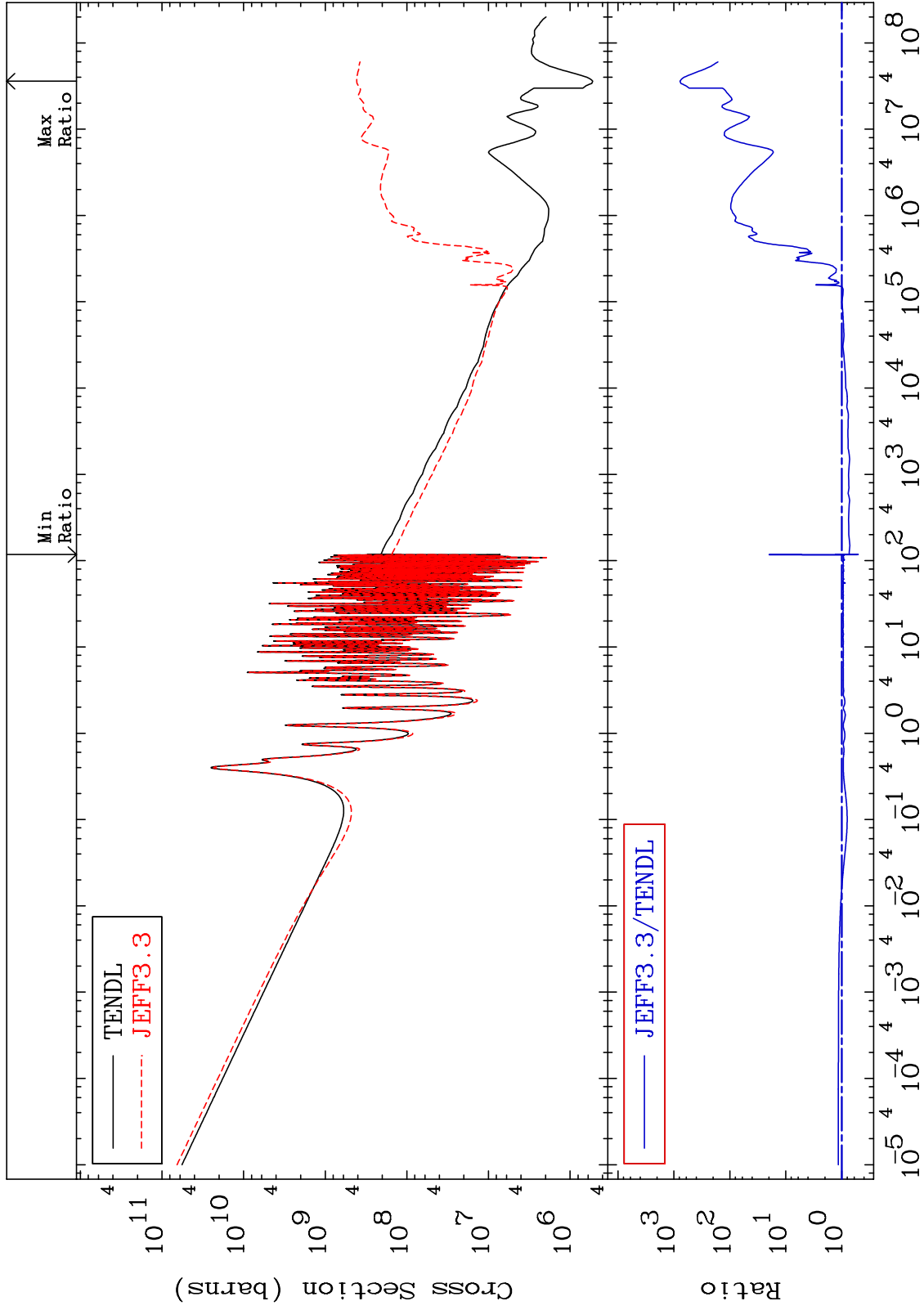
Incident Energy (eV)

91-Pa-231

MAT 9131

Total photon (eV-barns)
Cross Section

91-Pa-231
-49.66 To 9999. %



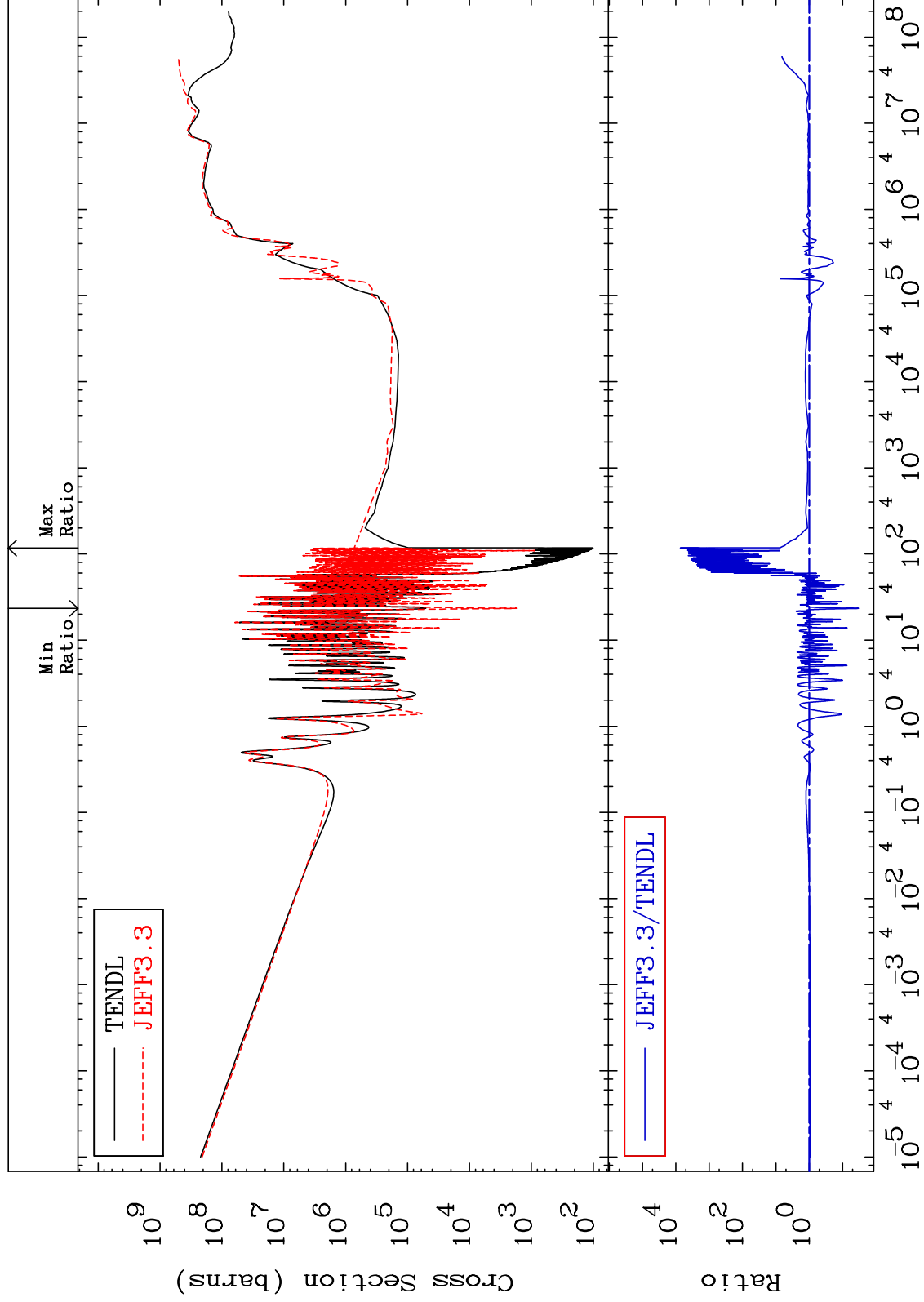
MAT 9131

Total kinematic kerma (high limit)

91-Pa-231

-96.69 To 9999. %

Cross Section



35

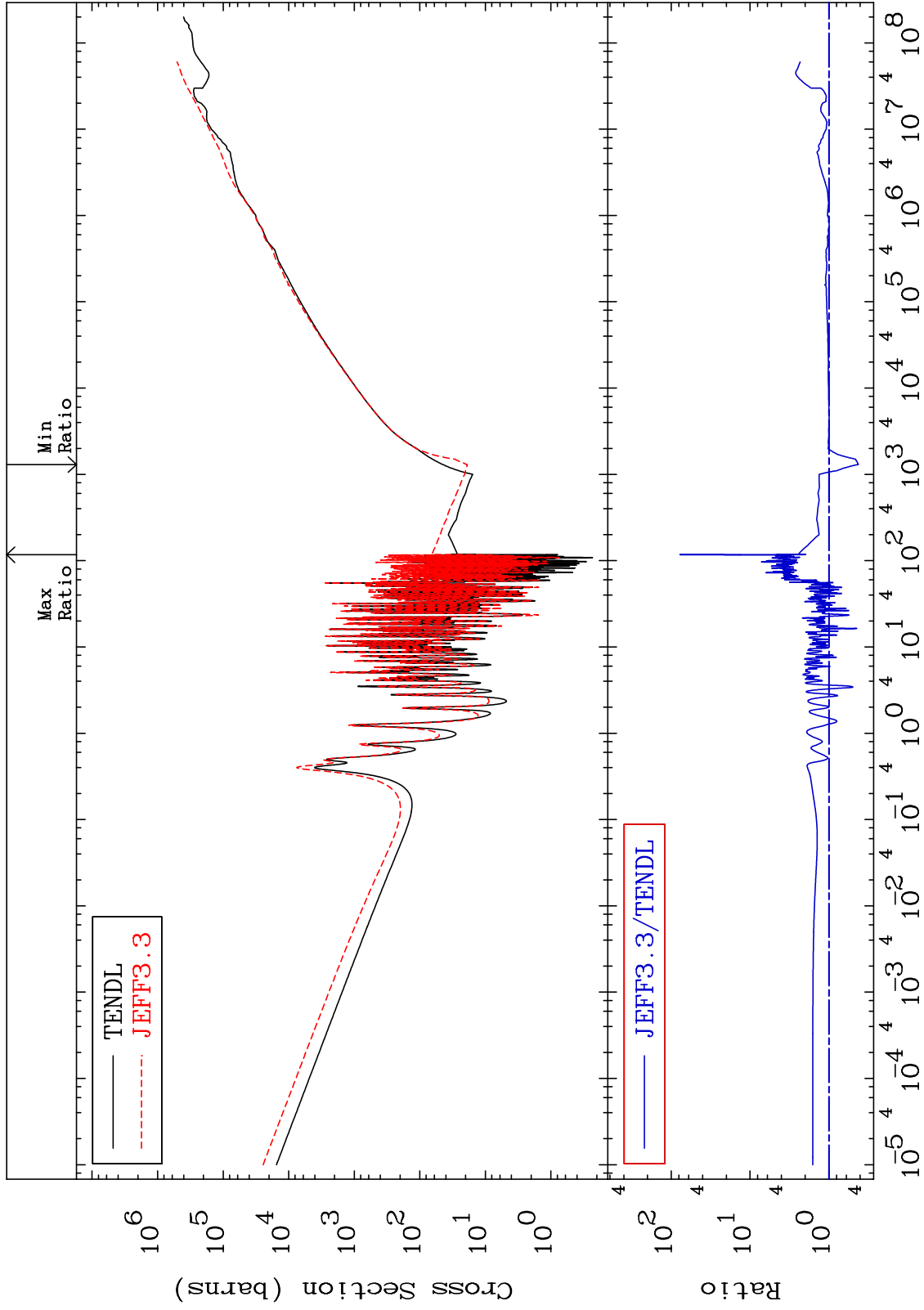
Incident Energy (eV)

91-Pa-231

MAT 9131

Dpa total (eV-barns)
Cross Section

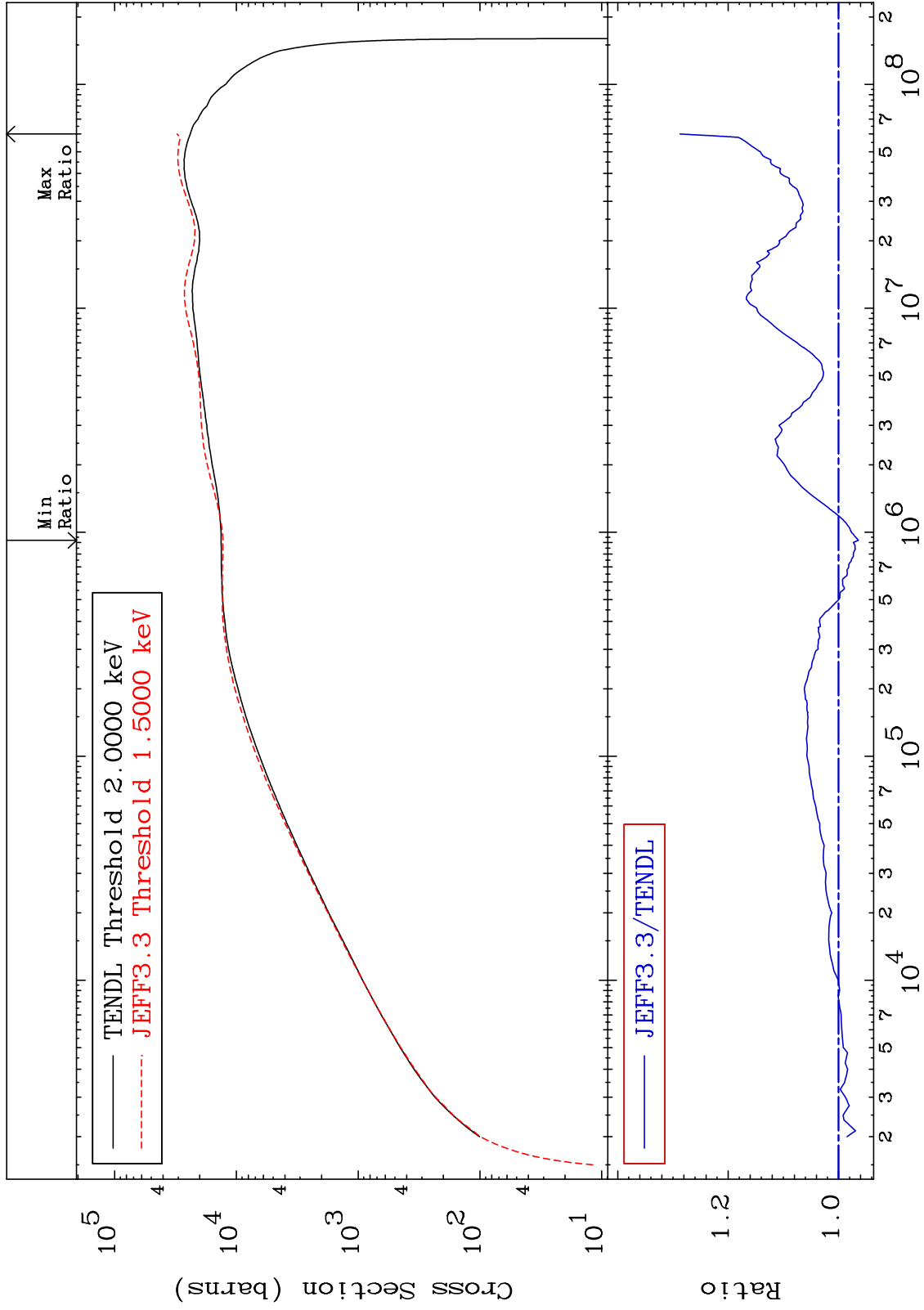
91-Pa-231
-57.88 To 7637. %



MAT 9131

Dpa elastic (mt2)
Cross Section

91-Pa-231
-3.602 To 28.72 %



37

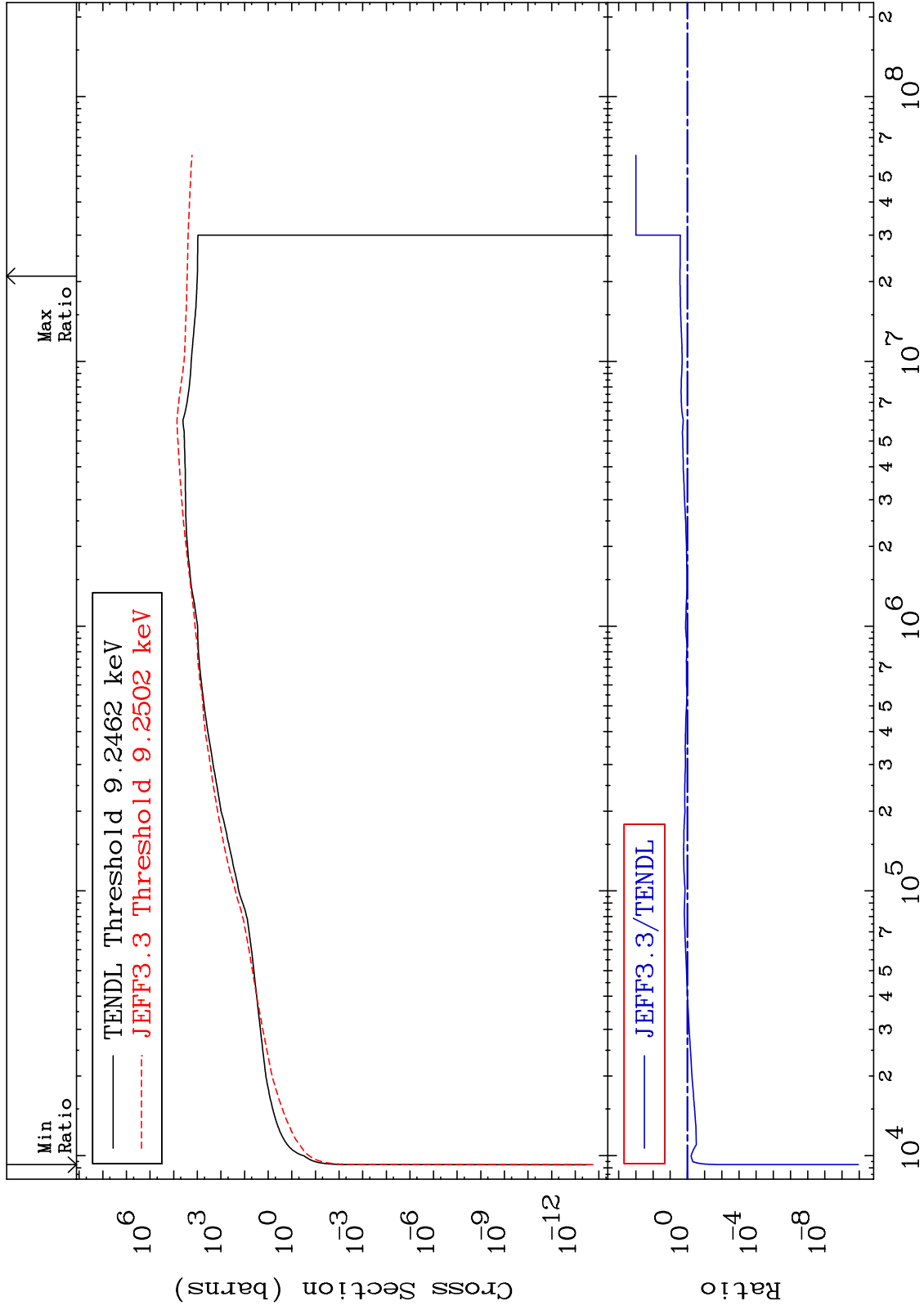
Incident Energy (eV)

91-Pa-231

MAT 9131

Dpa inelastic (mt51-91)
Cross Section

91-Pa-231
-100.0 To 169.1 %



38

Incident Energy (eV)

91-Pa-231

MAT 9131

Dpa disappearance (mt102 -120)

91-Pa-231

-73.29 To 4765. %

Cross Section

