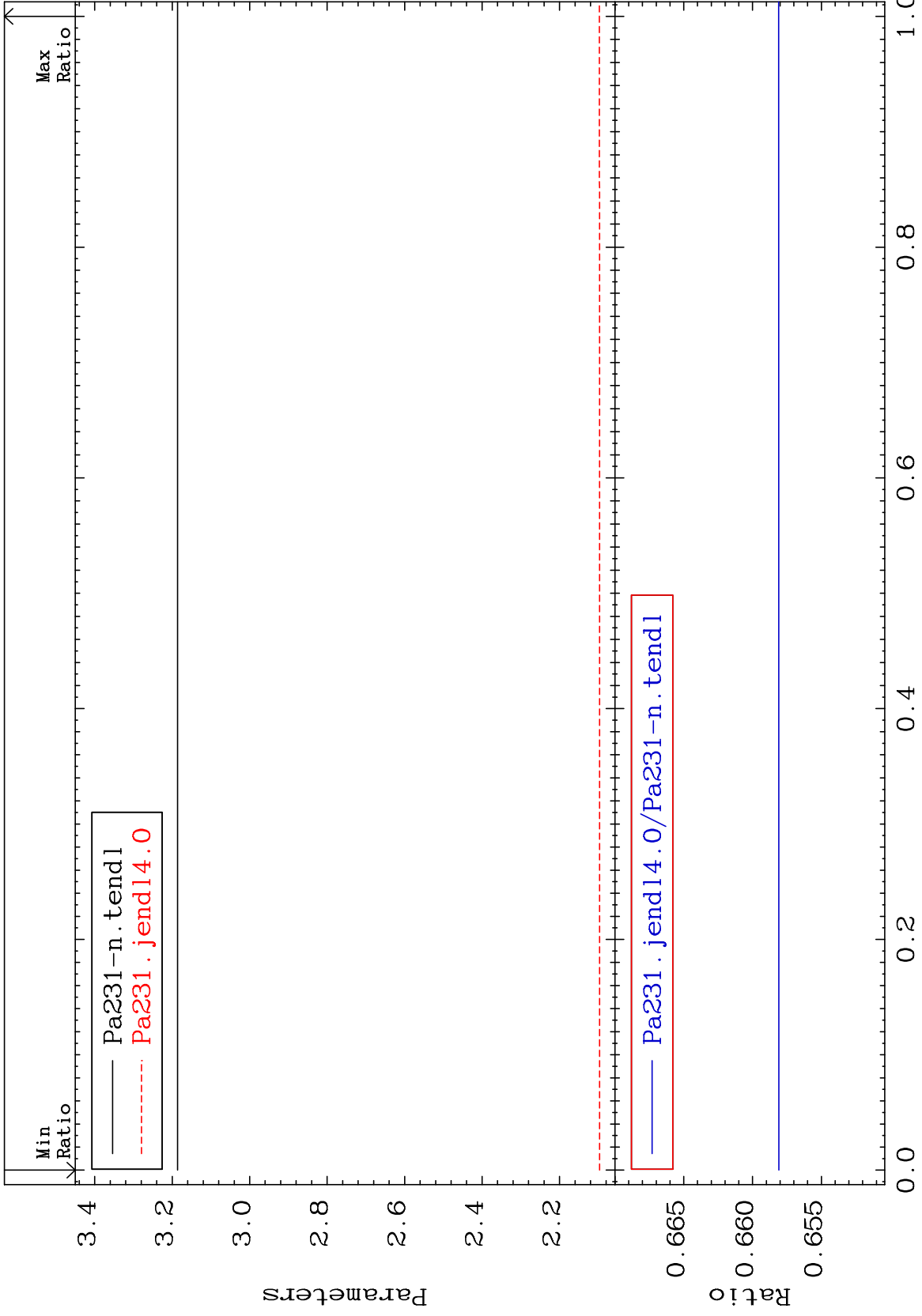


MAT 9131

Total $\bar{\nu}$
Parameters

91-Pa-231
-34.19 To -34.19%



1

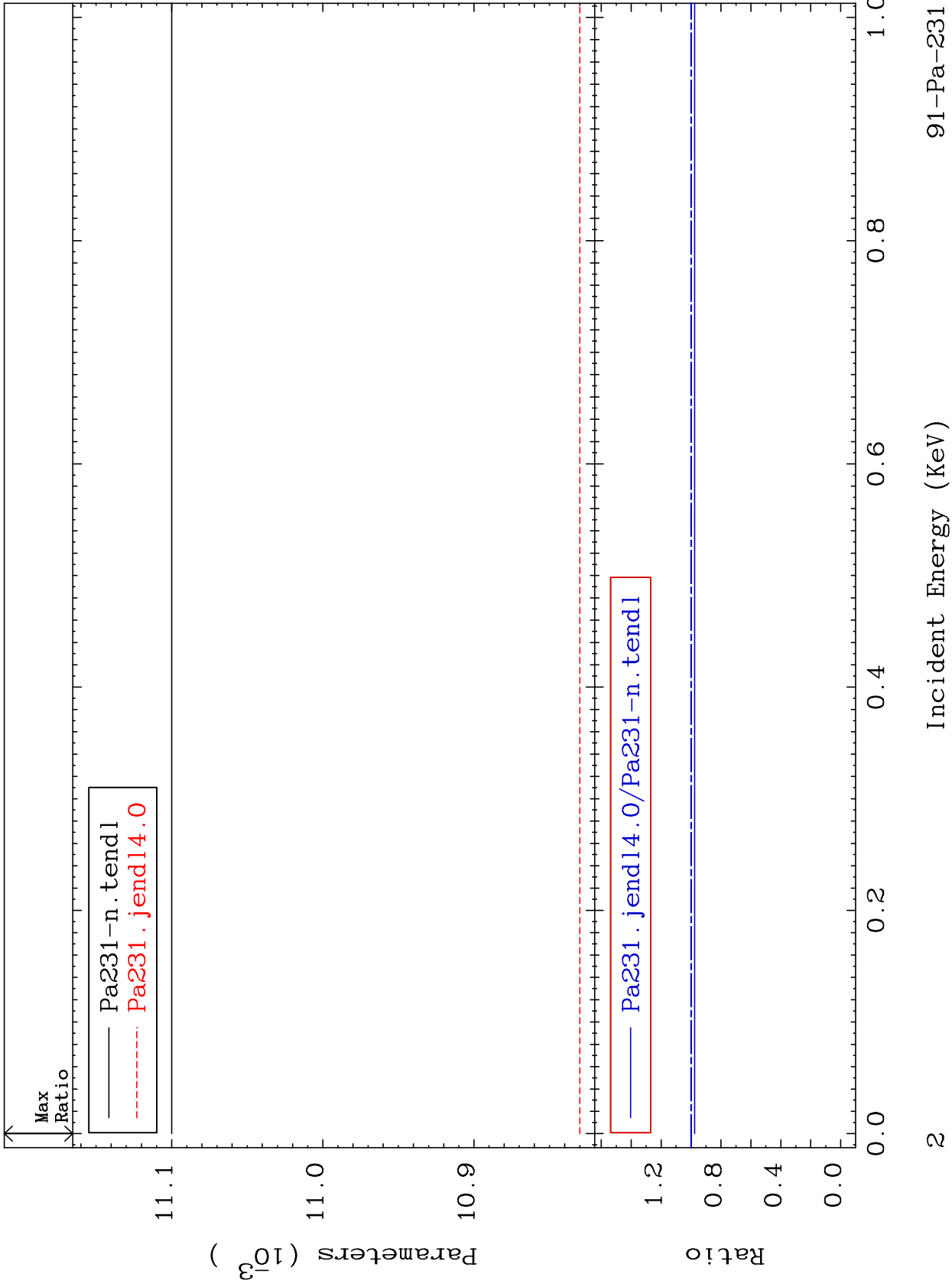
Incident Energy (KeV)

91-Pa-231

MAT 9131

Delayed $\bar{\nu}$
Parameters

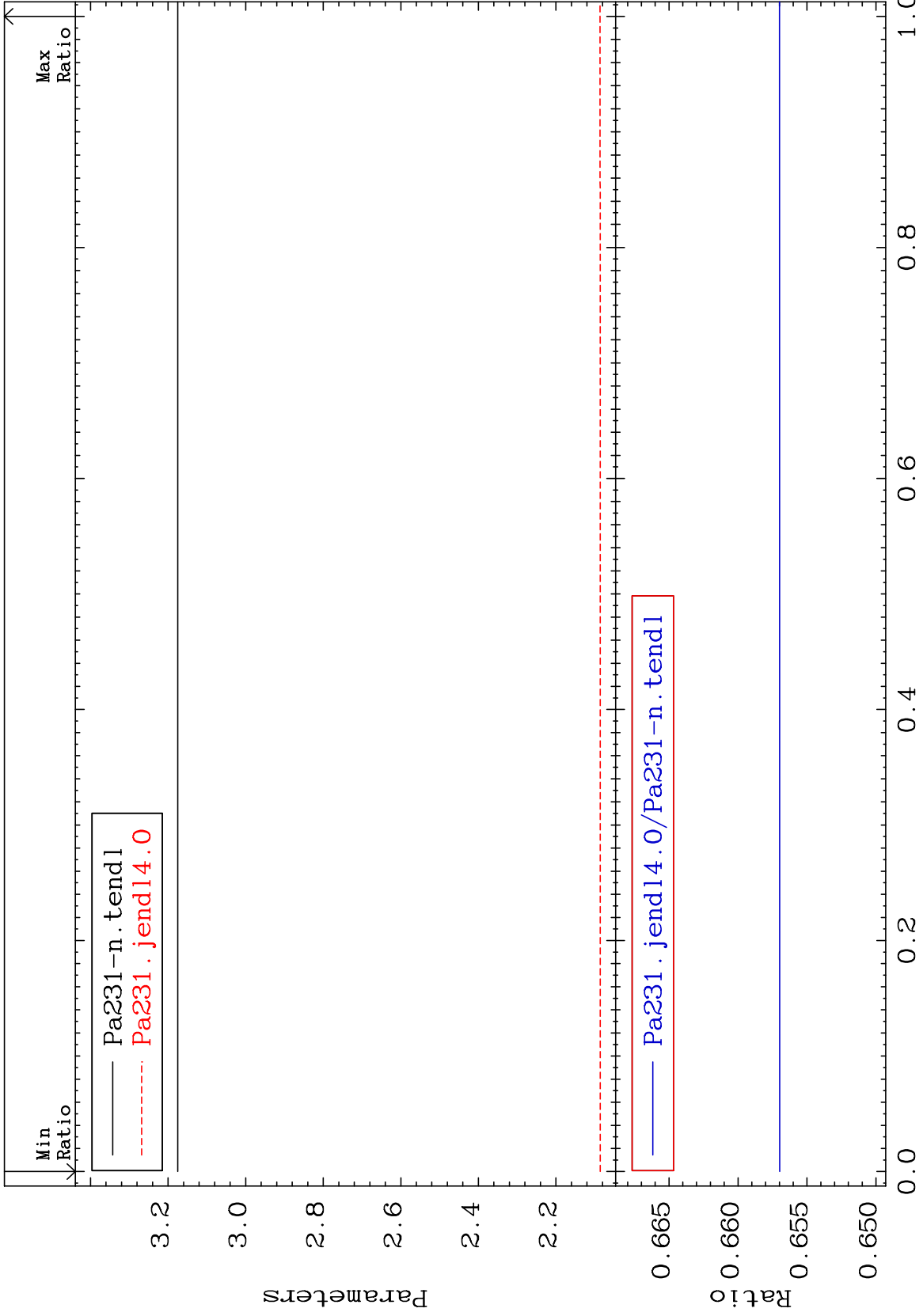
91-Pa-231
-2.432 To -2.432%



2

Incident Energy (KeV)

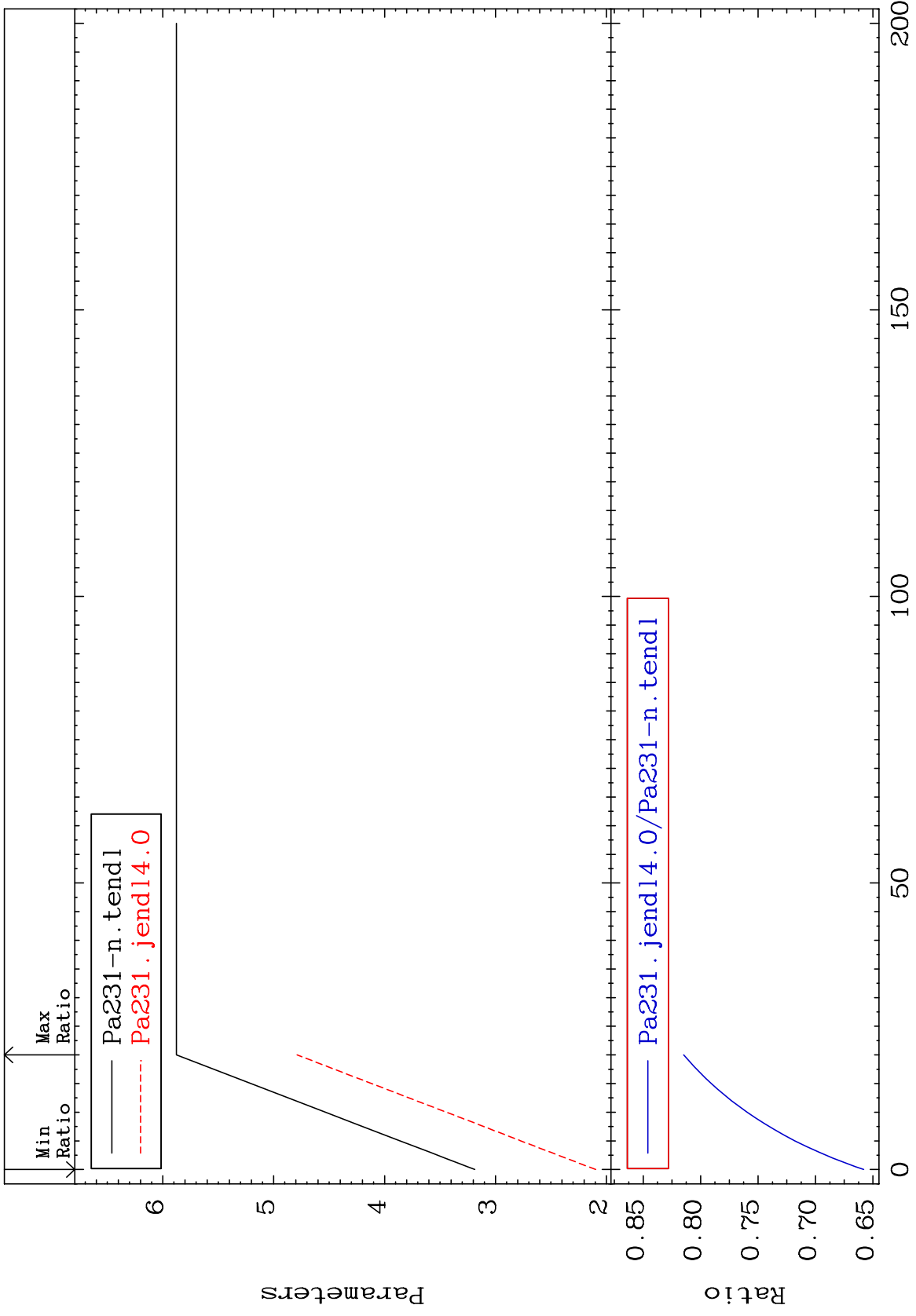
91-Pa-231



MAT 9131

Total $\bar{\nu}$
Parameters

91-Pa-231
-34.19 To -18.53%



1

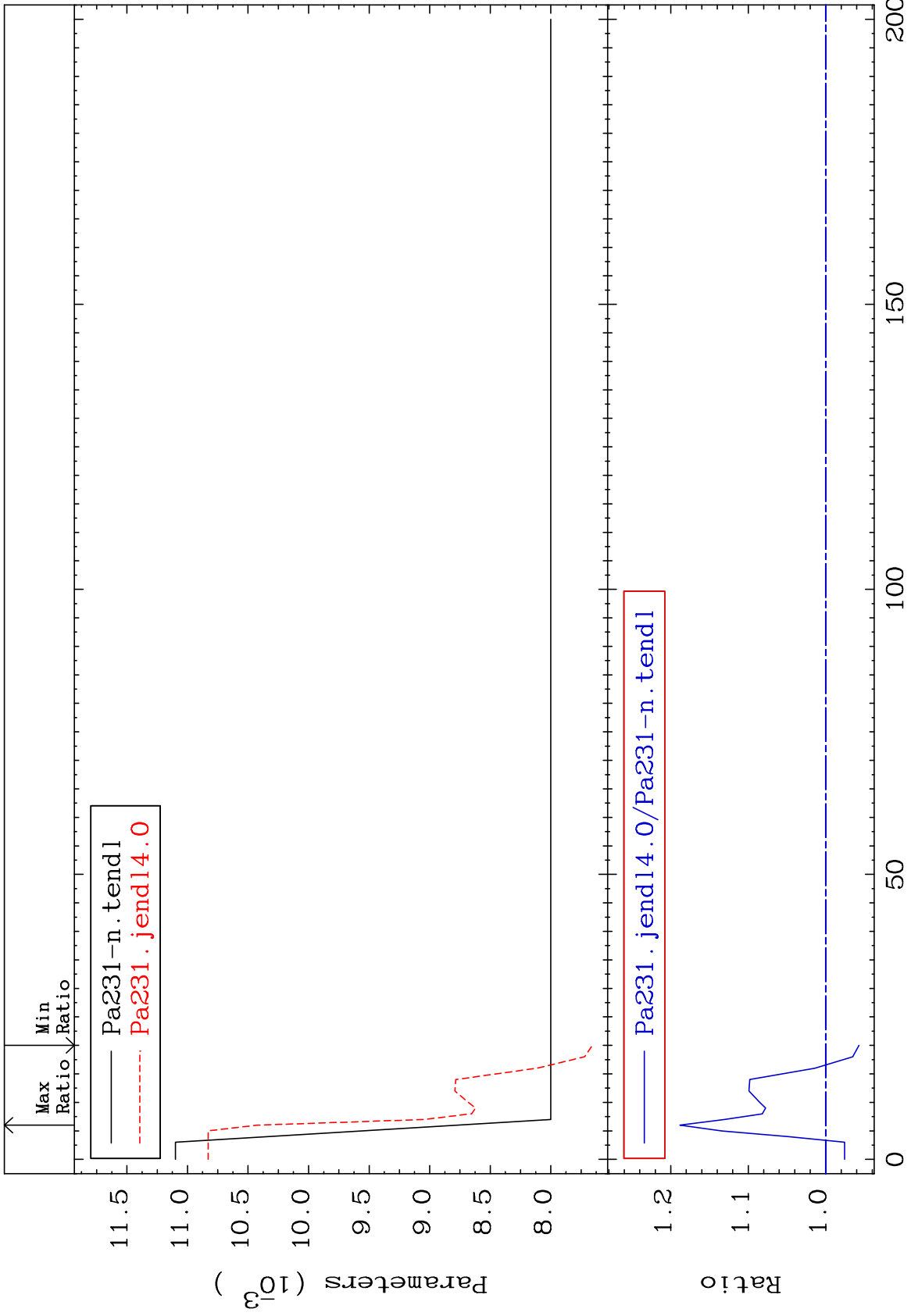
Incident Energy (MeV)

91-Pa-231

MAT 9131

Delayed $\bar{\nu}$
Parameters

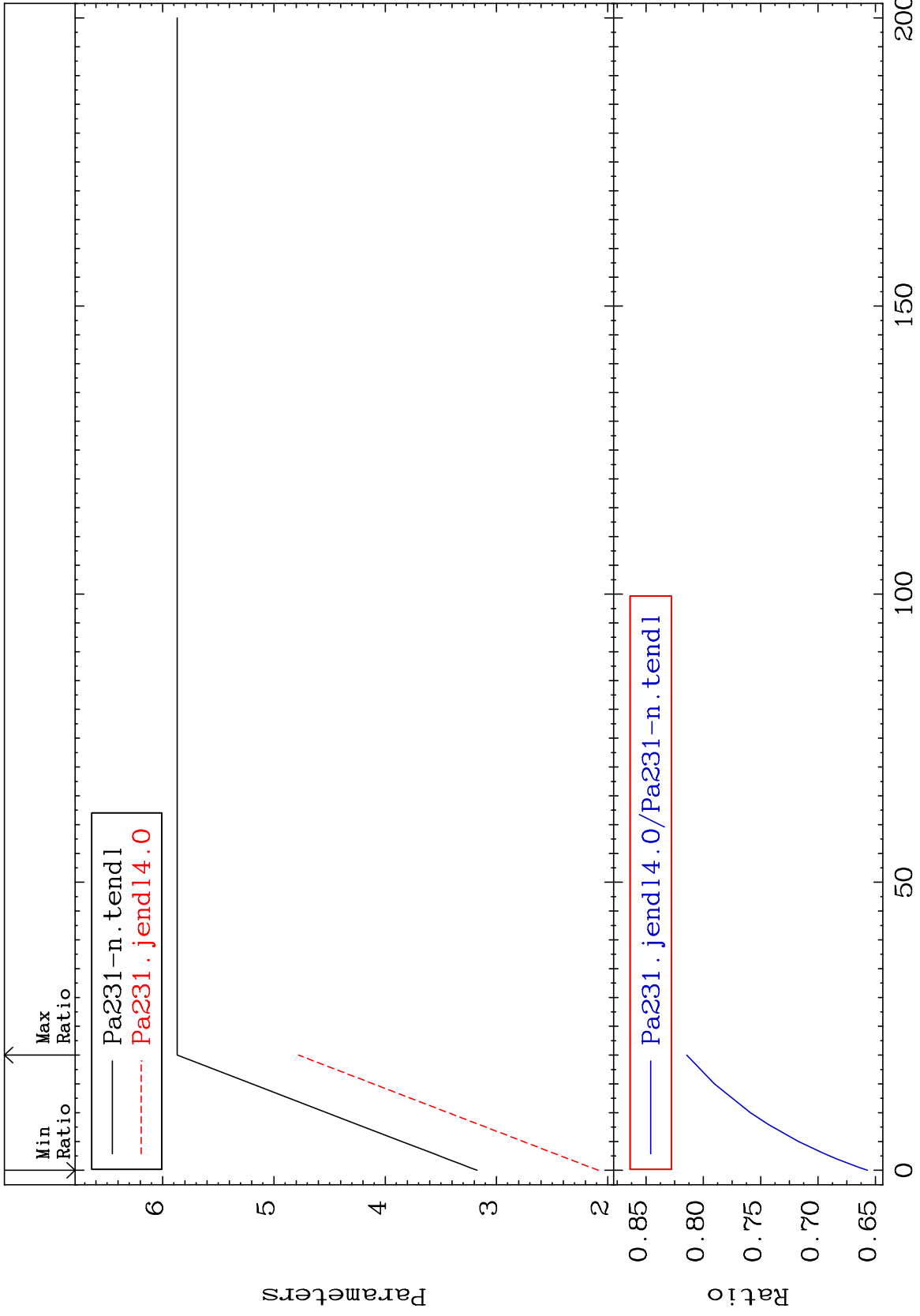
91-Pa-231
-4.290 To 18.81 %



2

Incident Energy (MeV)

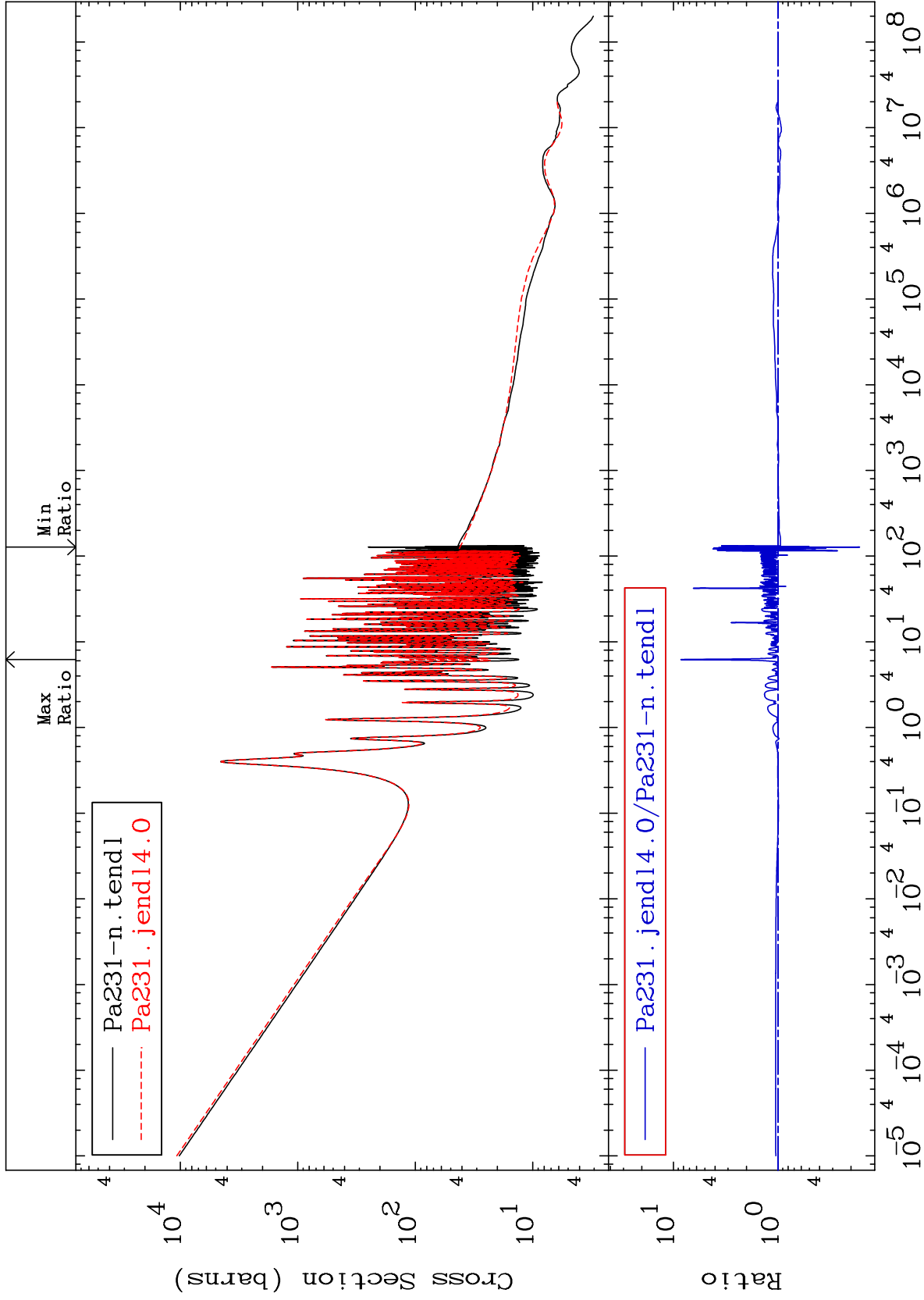
91-Pa-231



MAT 9131

91-Pa-231
-83.40 To 749.3 %

Total
Cross Section



Incident Energy (eV)

91-Pa-231

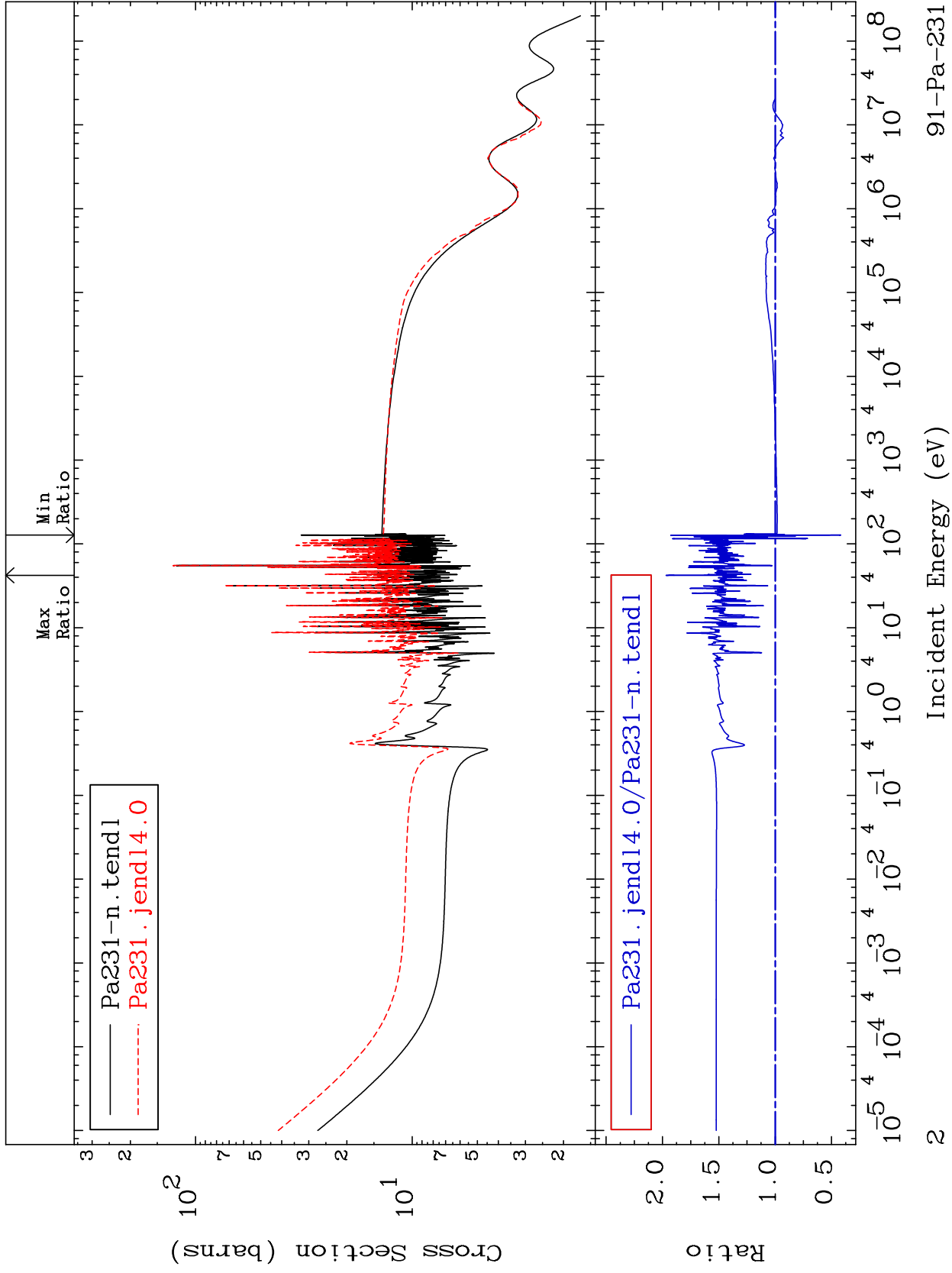
MAT 9131

Elastic

91-Pa-231

Cross Section

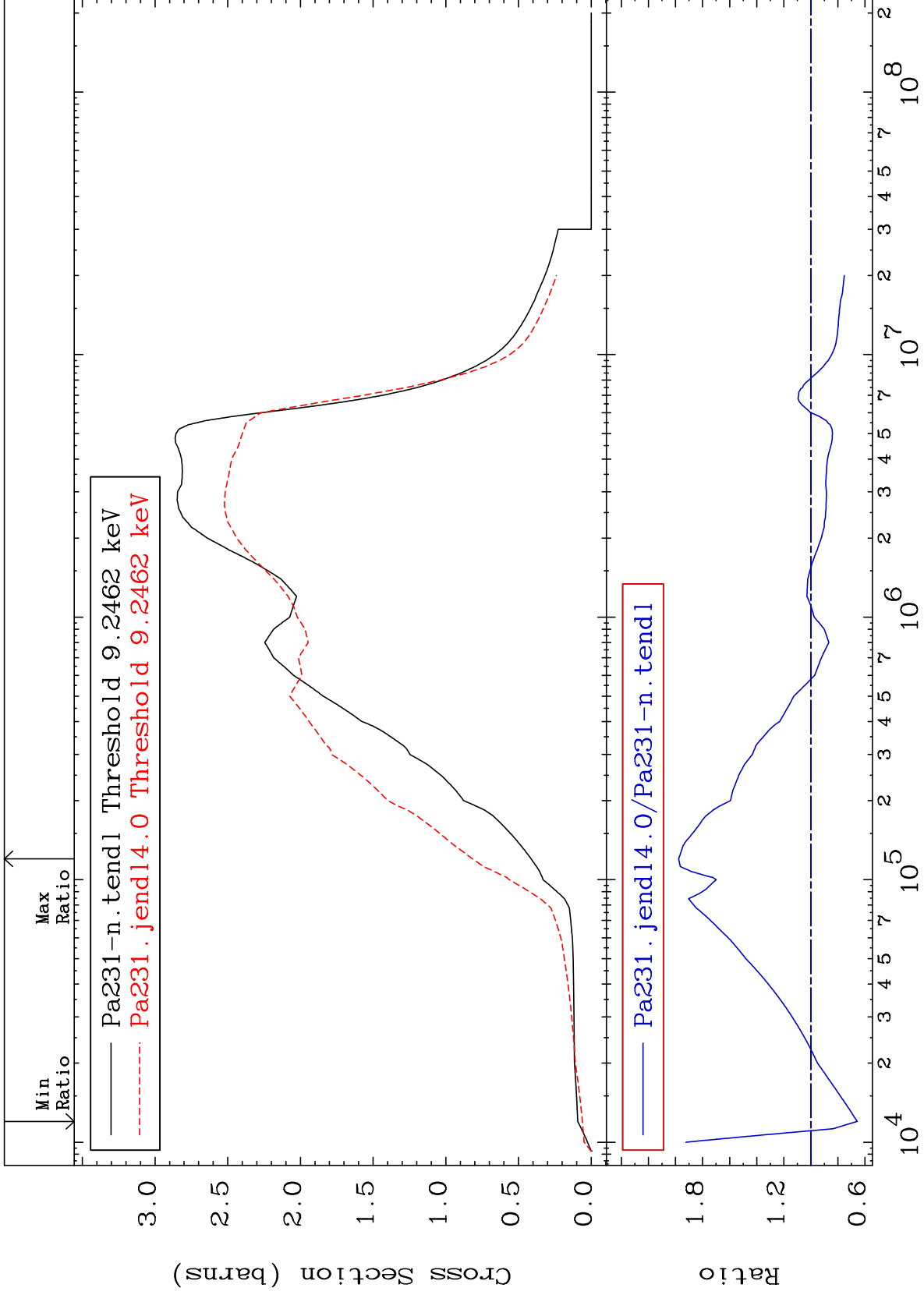
-58.24 To 96.92 %



MAT 9131

Inelastic
Cross Section

91-Pa-231
-34.32 To 97.71 %



91-Pa-231

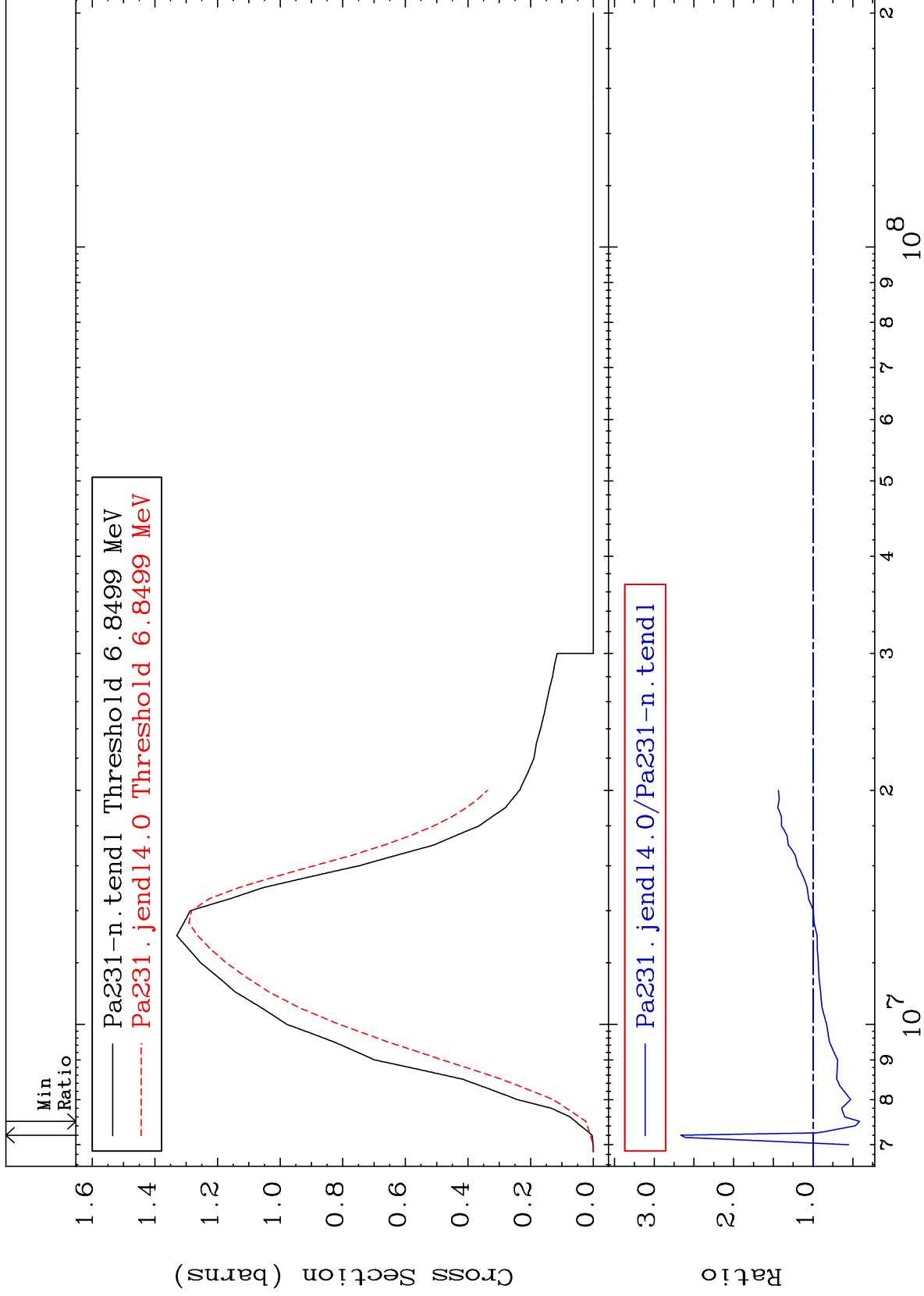
91-Pa-231

3

MAT 9131

(n,2n)
Cross Section

91-Pa-231
-58.49 To 166.6 %



4

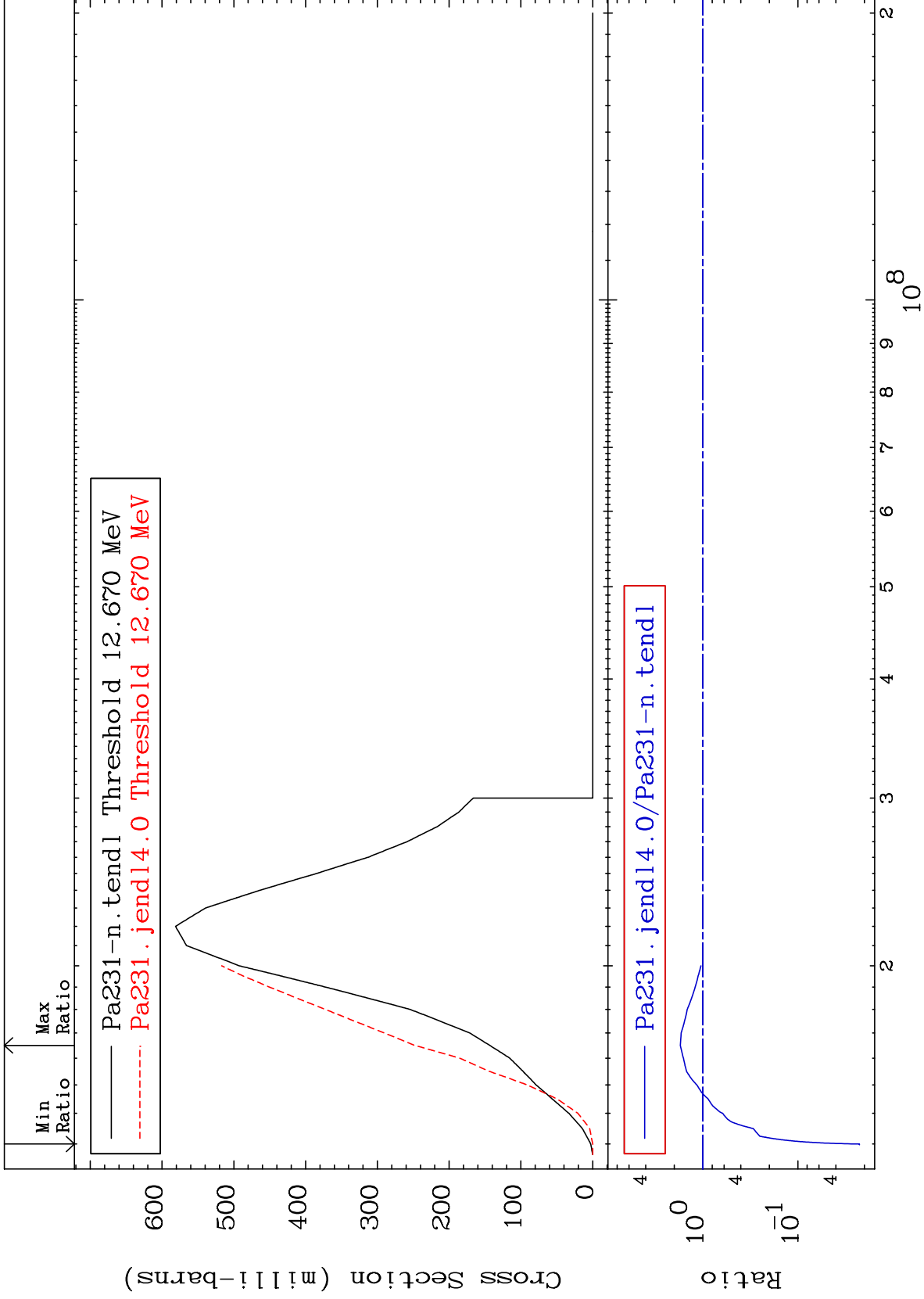
Incident Energy (eV)

91-Pa-231

MAT 9131

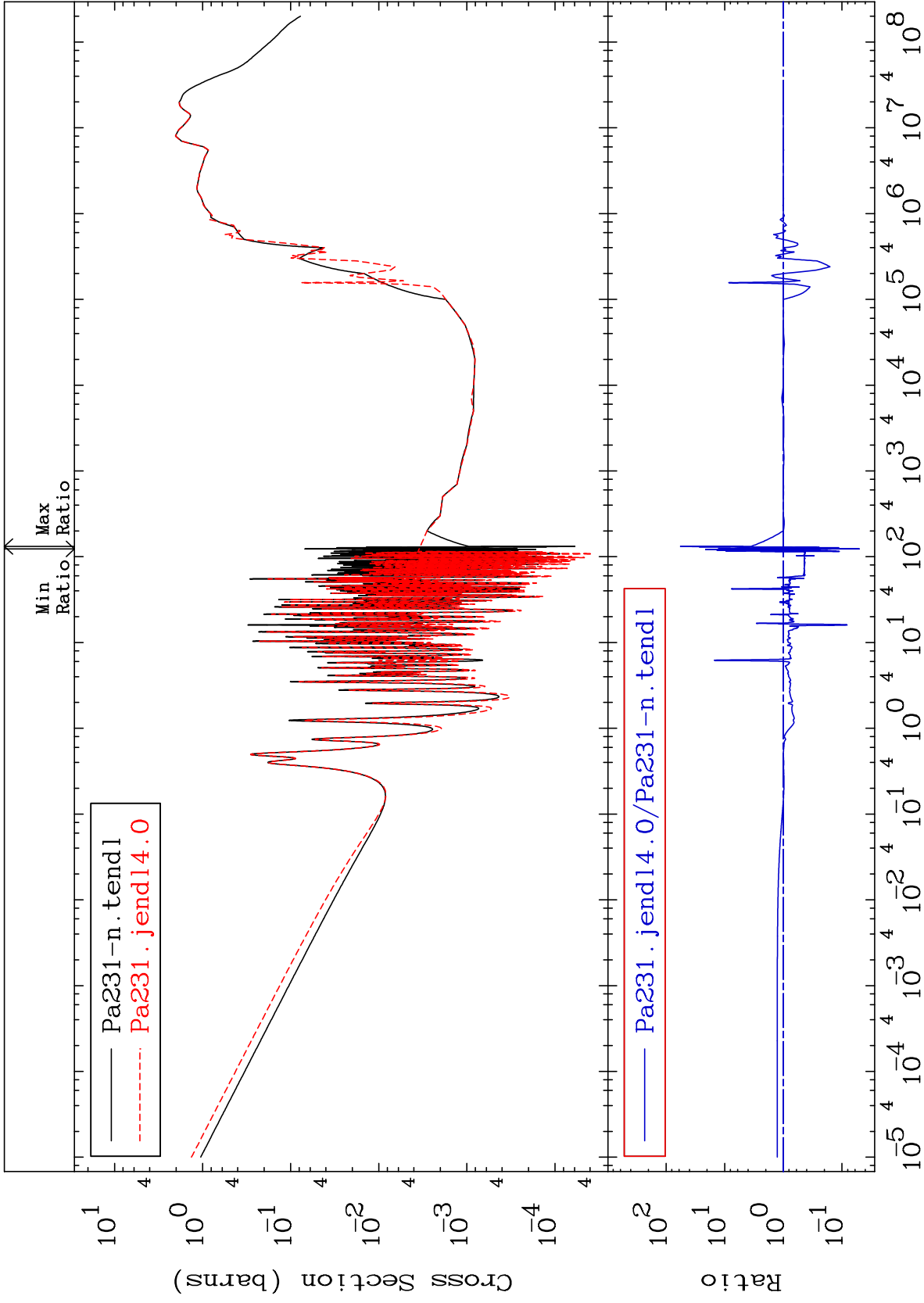
(n,3n)
Cross Section

91-Pa-231
-97.74 To 72.74 %



MAT 9131

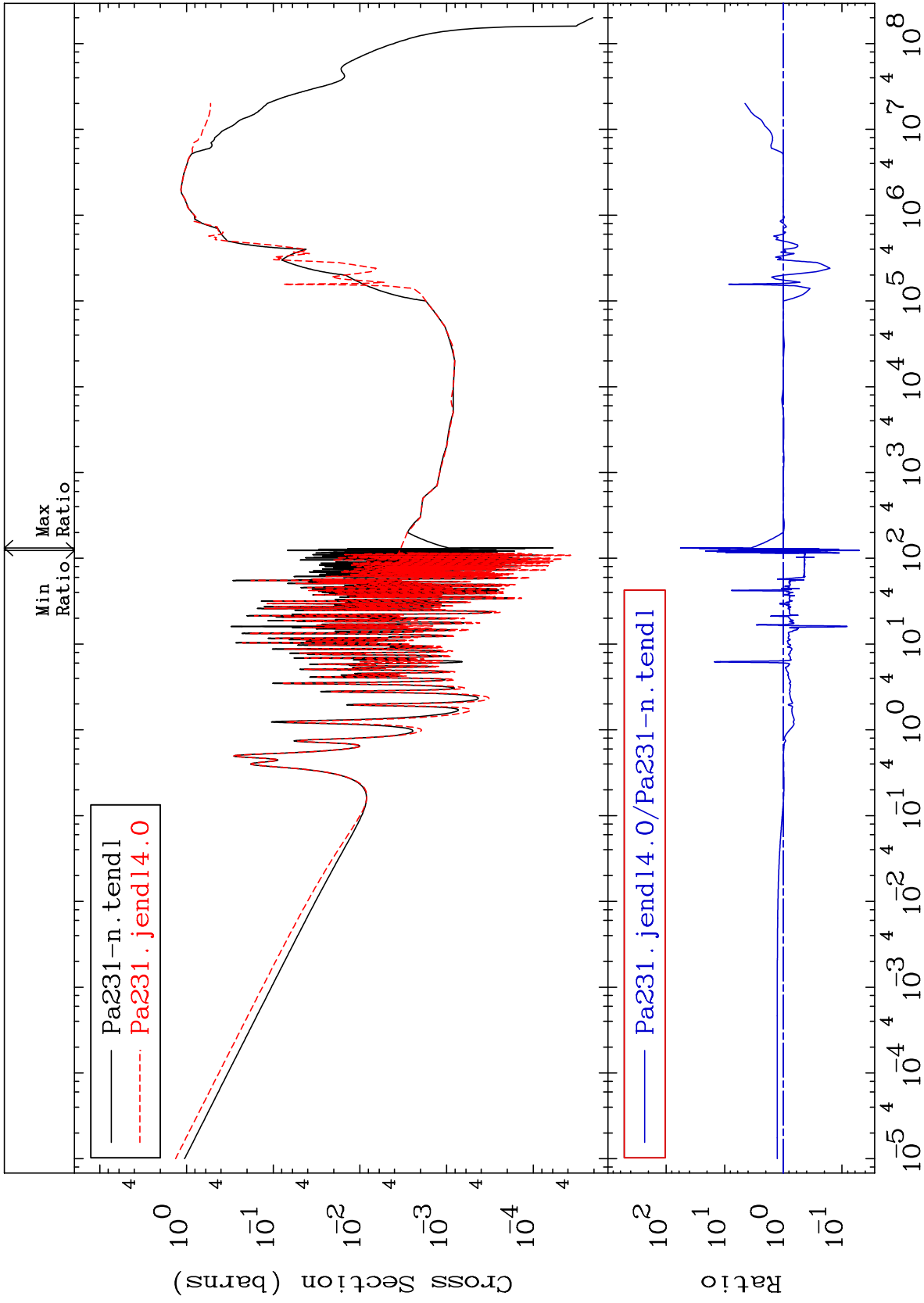
Fission Cross Section 91-Pa-231
-94.95 To 5609. %



MAT 9131

(n,f) First Chance
Cross Section

91-Pa-231
-94.95 To 5609. %



7

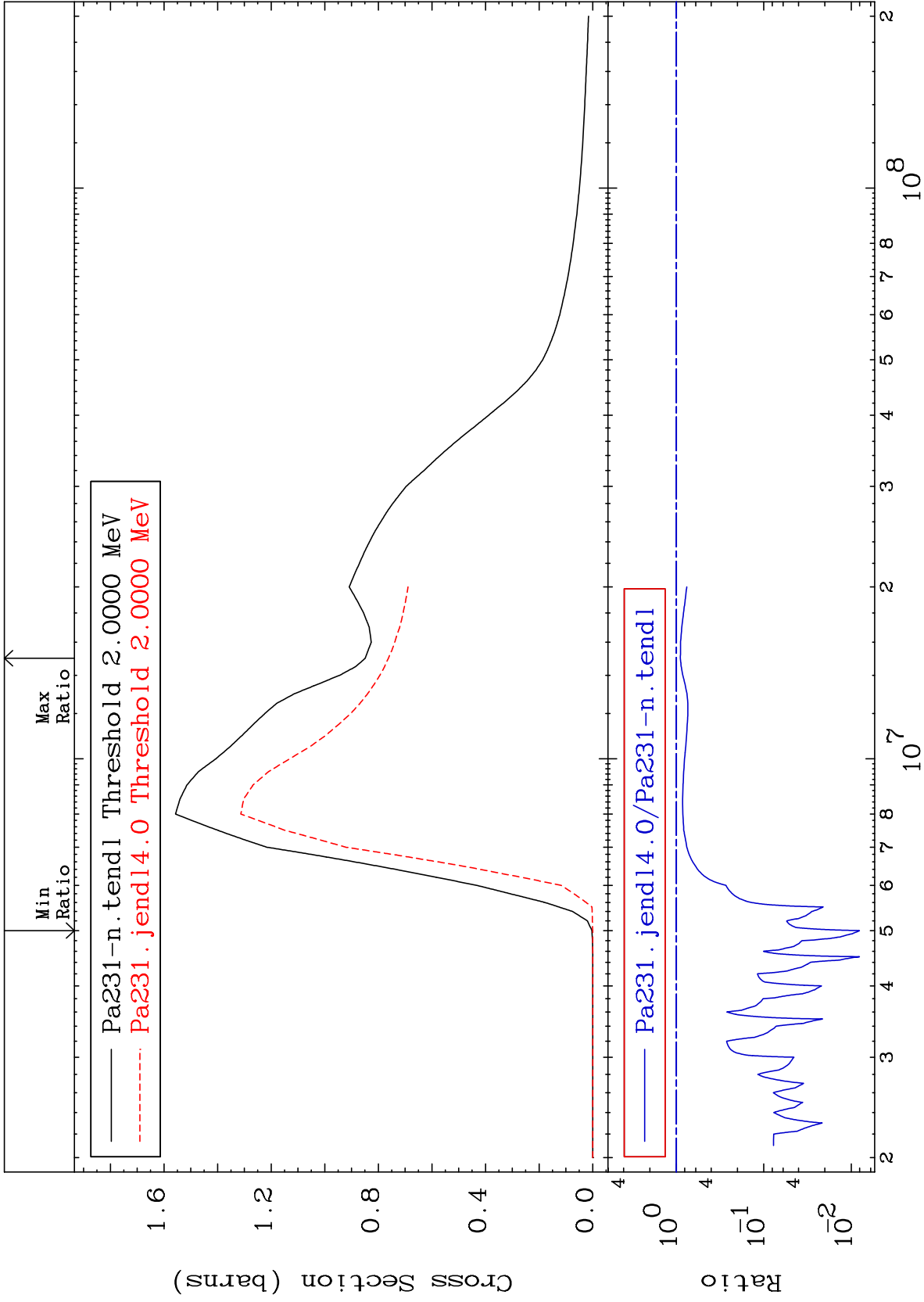
Incident Energy (eV)

91-Pa-231

MAT 9131

(n, nf) Second Chance
Cross Section

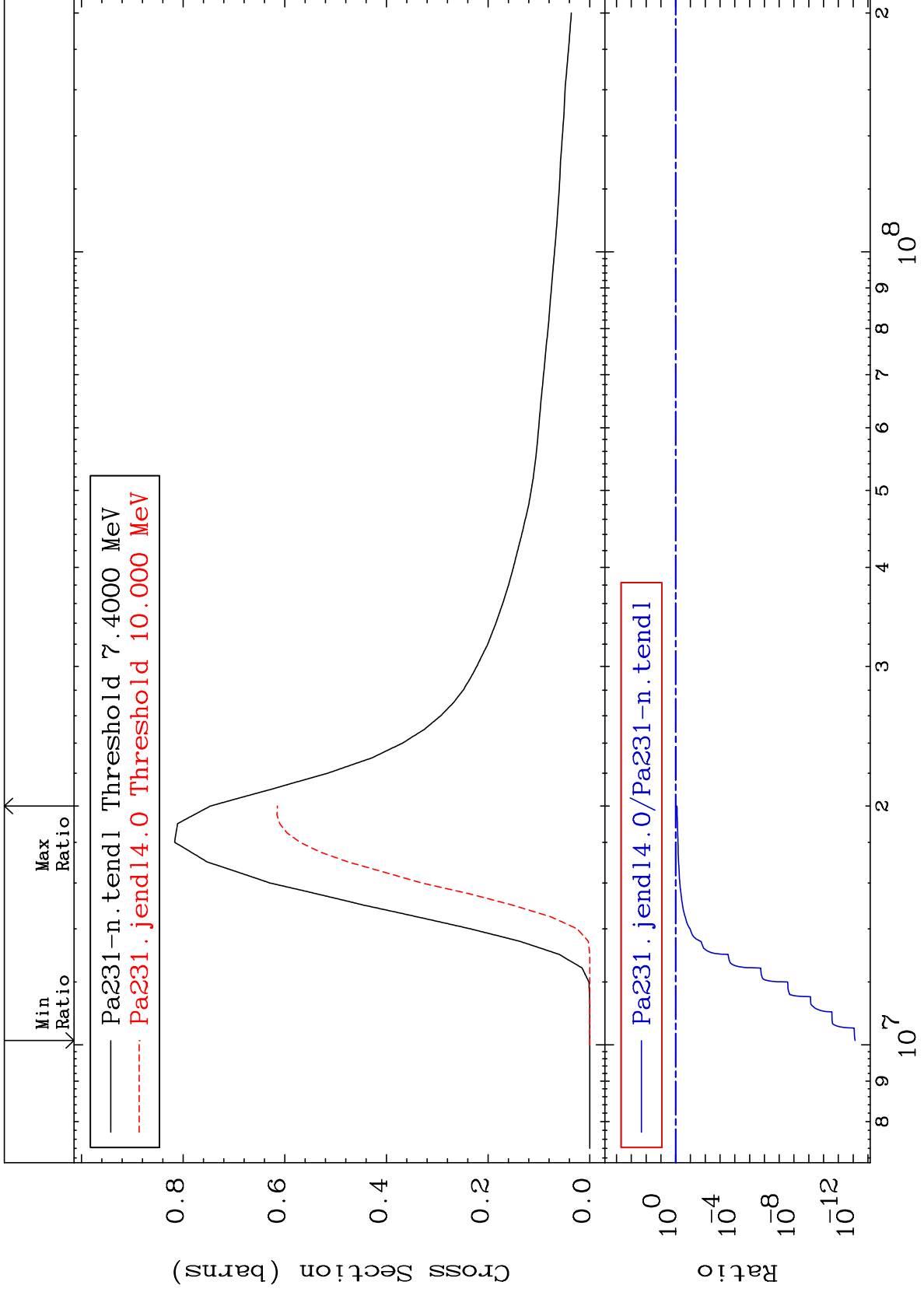
91-Pa-231
-99.19 To -10.18%



MAT 9131

(n,2nf) Third Chance
Cross Section

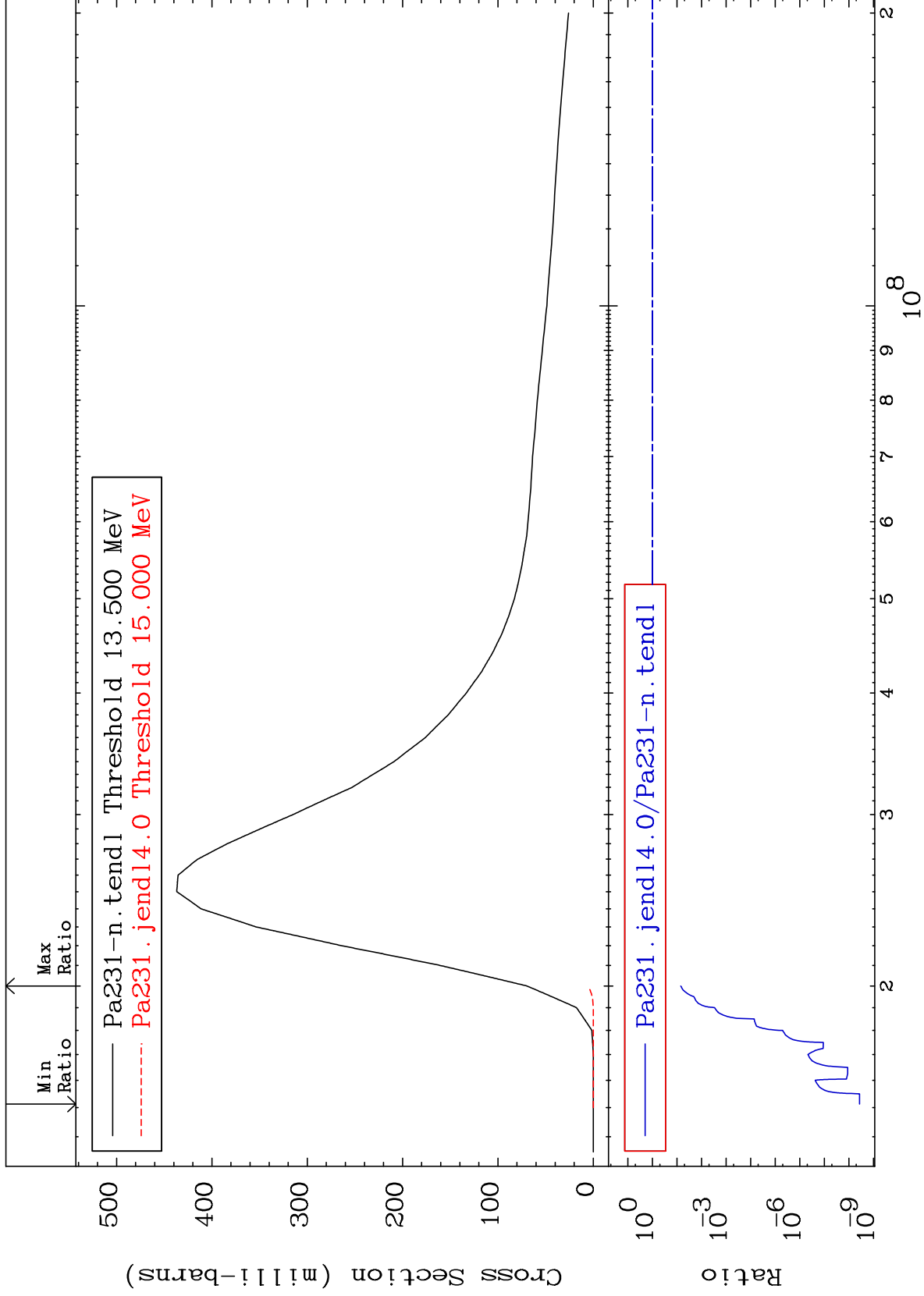
91-Pa-231
-100.0 To -17.64%



MAT 9131

(n,3nf) Fourth Chance
Cross Section

91-Pa-231
-100.0 To -92.98%



10

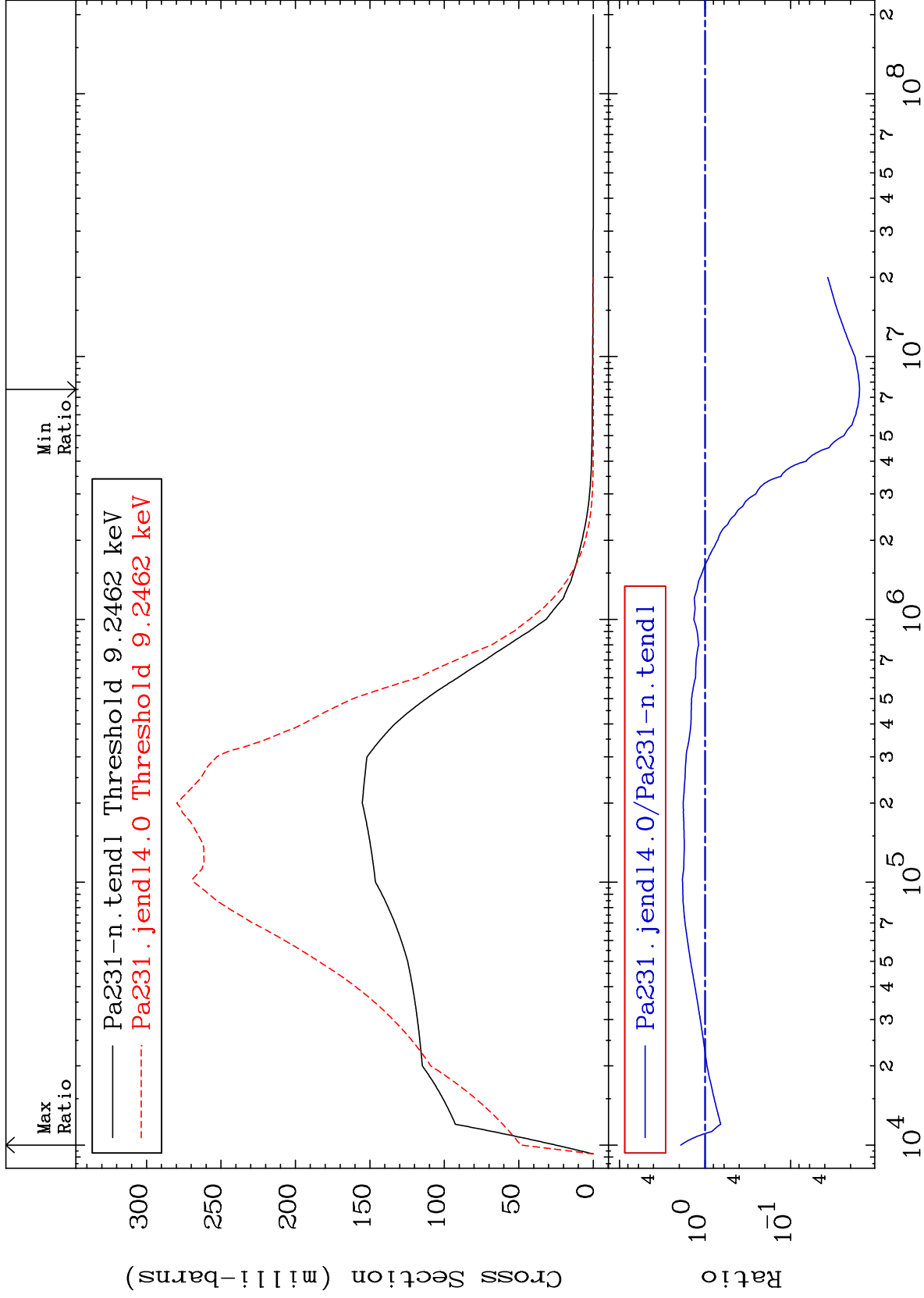
Incident Energy (eV)

91-Pa-231

MAT 9131

9.206 keV (n,n') Level
Cross Section

91-Pa-231
-98.43 To 92.31 %



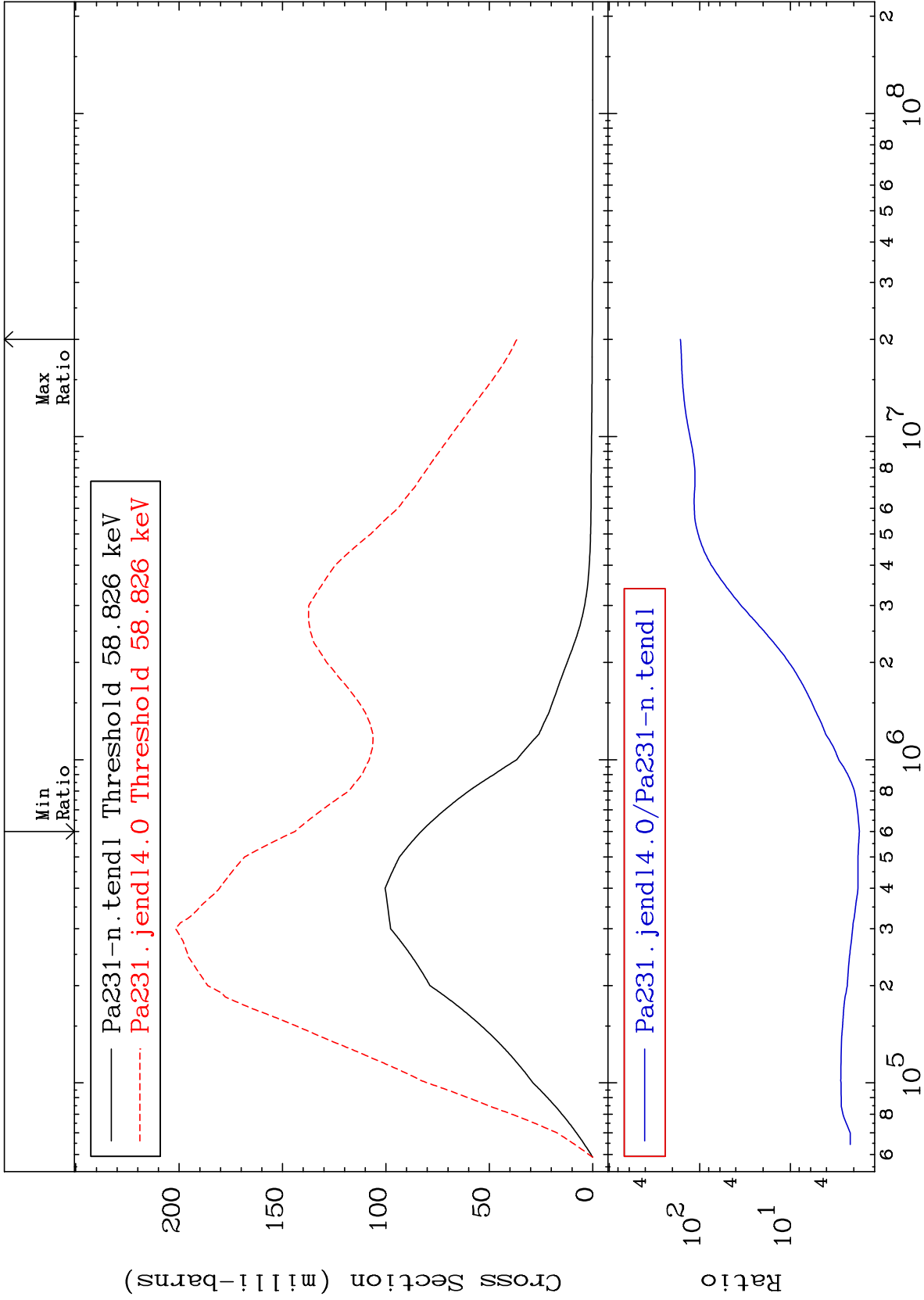
11

91-Pa-231

MAT 9131

58.57 keV (n,n') Level
Cross Section

91-Pa-231
73.58 To 9999. %



12

Incident Energy (eV)

91-Pa-231

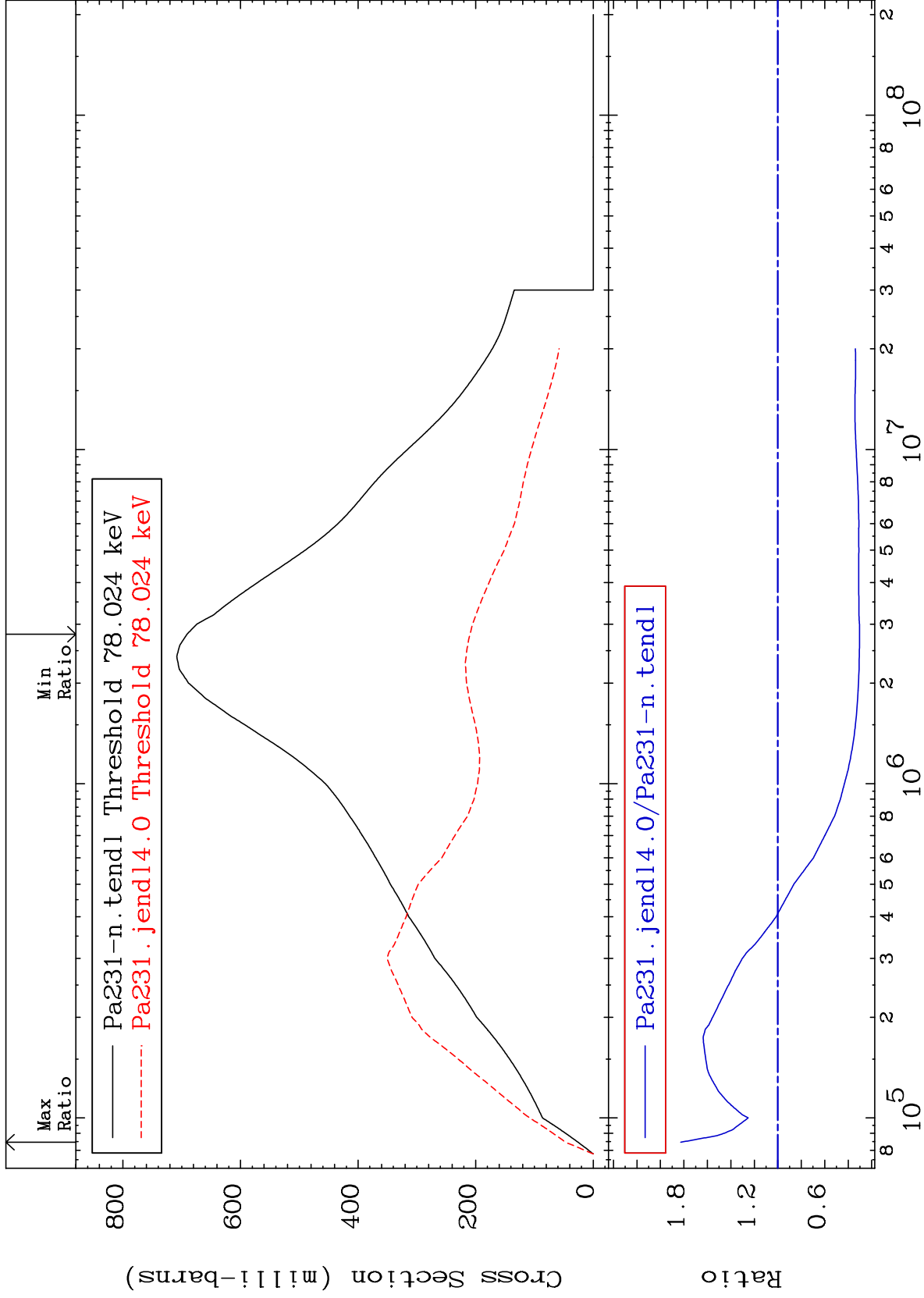
MAT 9131

77.68 keV (n,n') Level

91-Pa-231

-69.65 To 82.66 %

Cross Section



13

Incident Energy (eV)

91-Pa-231

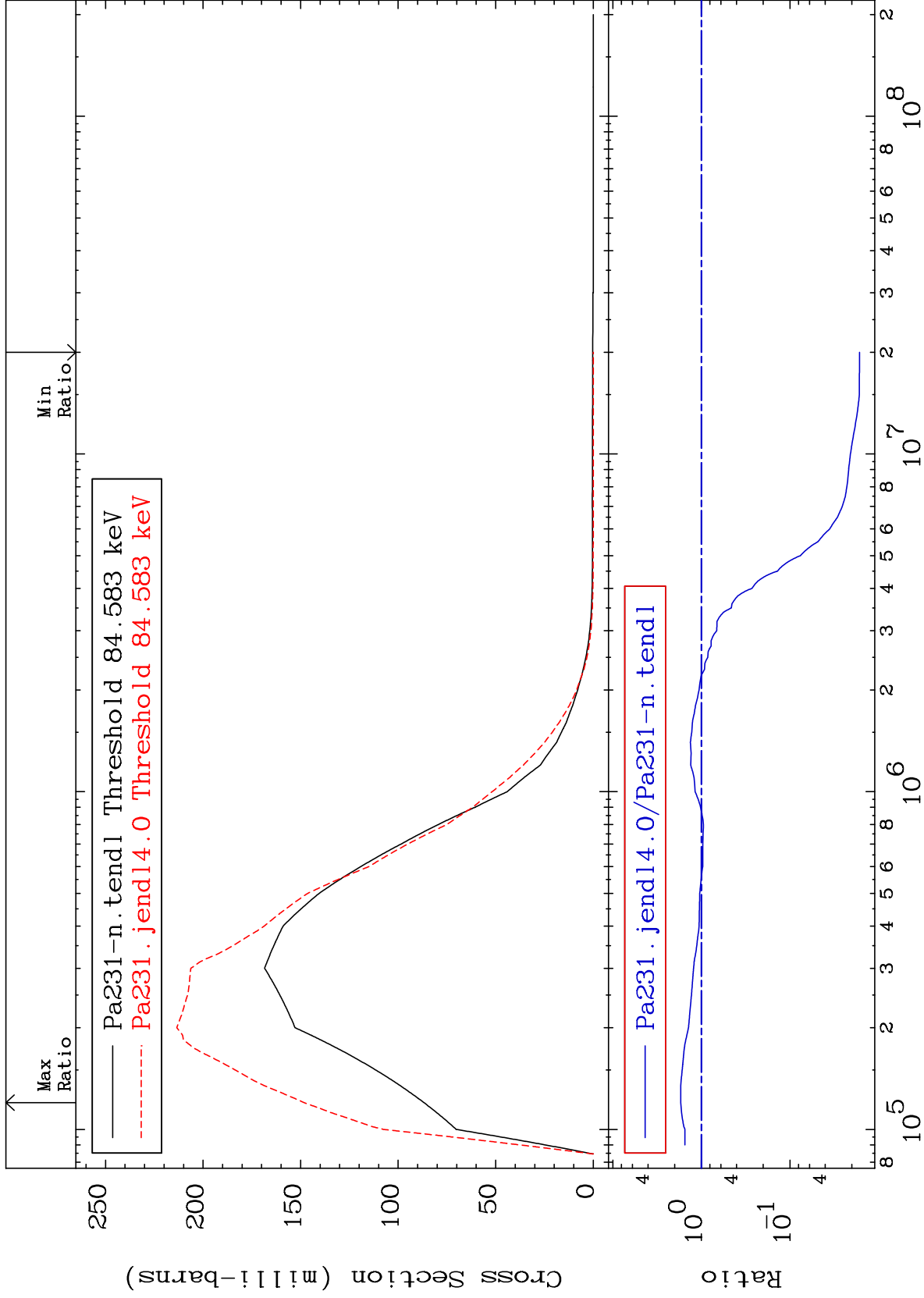
MAT 9131

84.22 keV (n,n') Level

91-Pa-231

Cross Section

-98.36 To 70.75 %

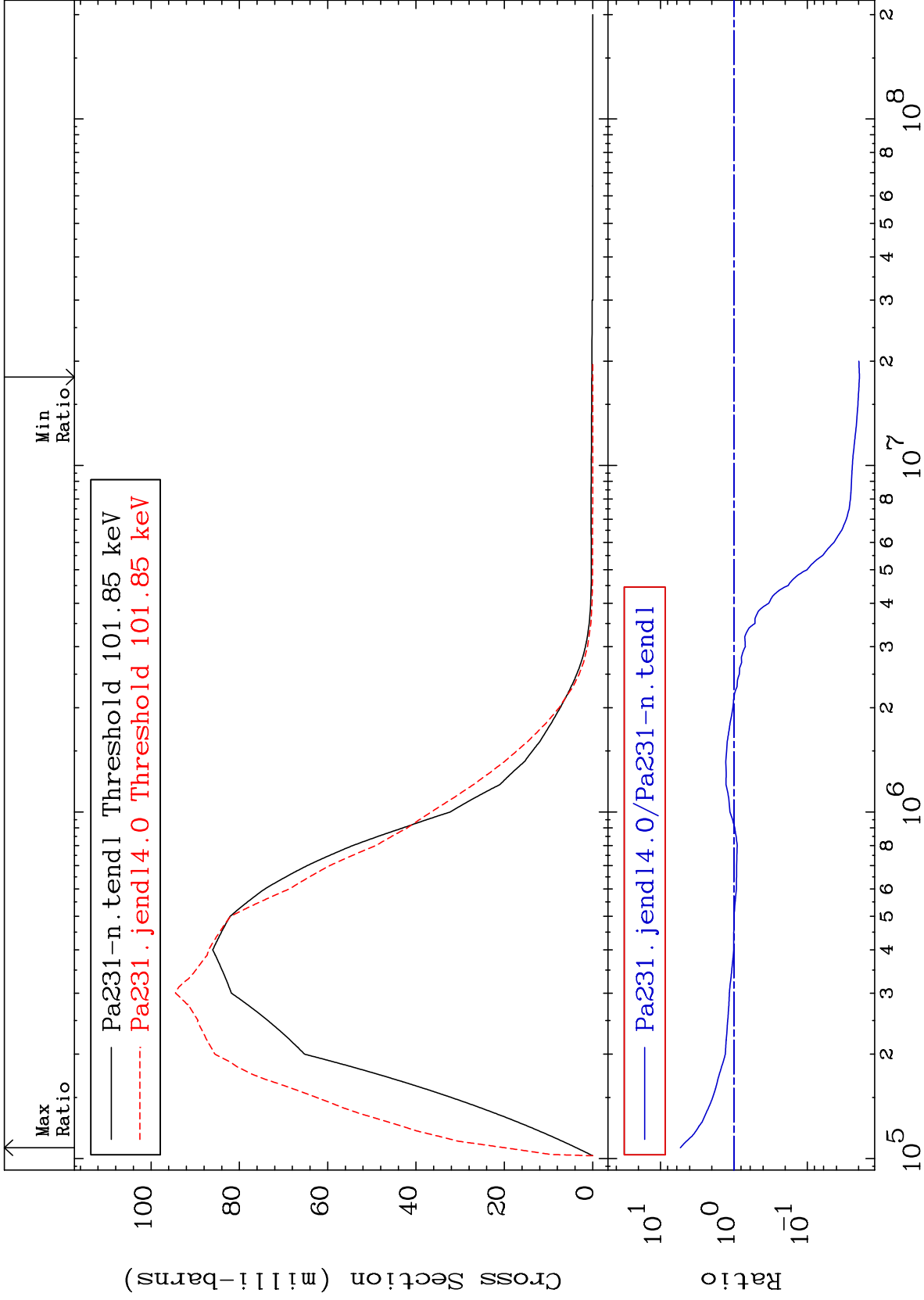


14

Incident Energy (eV)

91-Pa-231

MAT 9131 101.4 keV (n,n') Level 91-Pa-231
 Cross Section -98.05 To 437.2 %

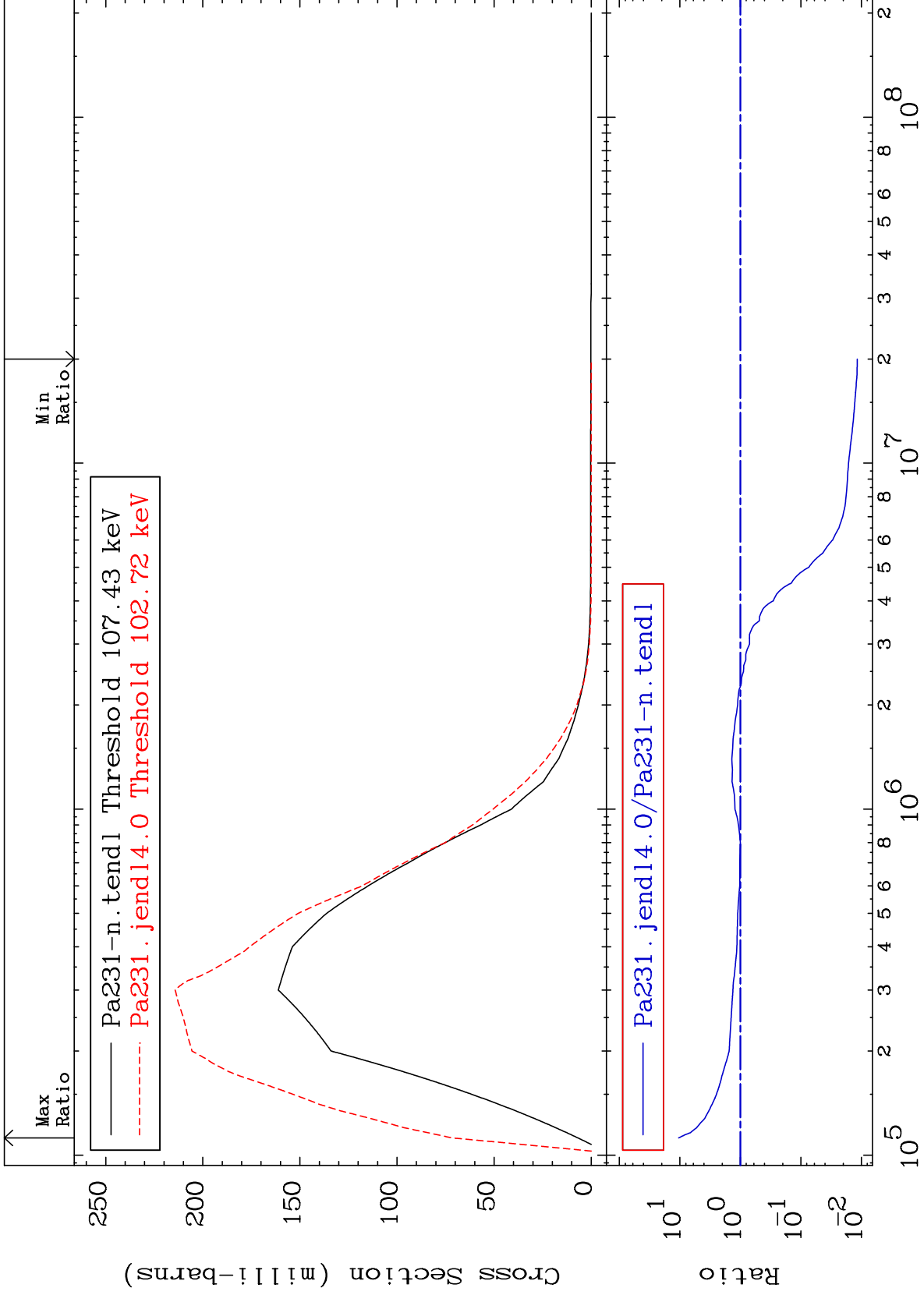


15 Incident Energy (eV) 91-Pa-231

MAT 9131

107.0 keV (n,n') Level
Cross Section

91-Pa-231
-98.83 To 949.7 %

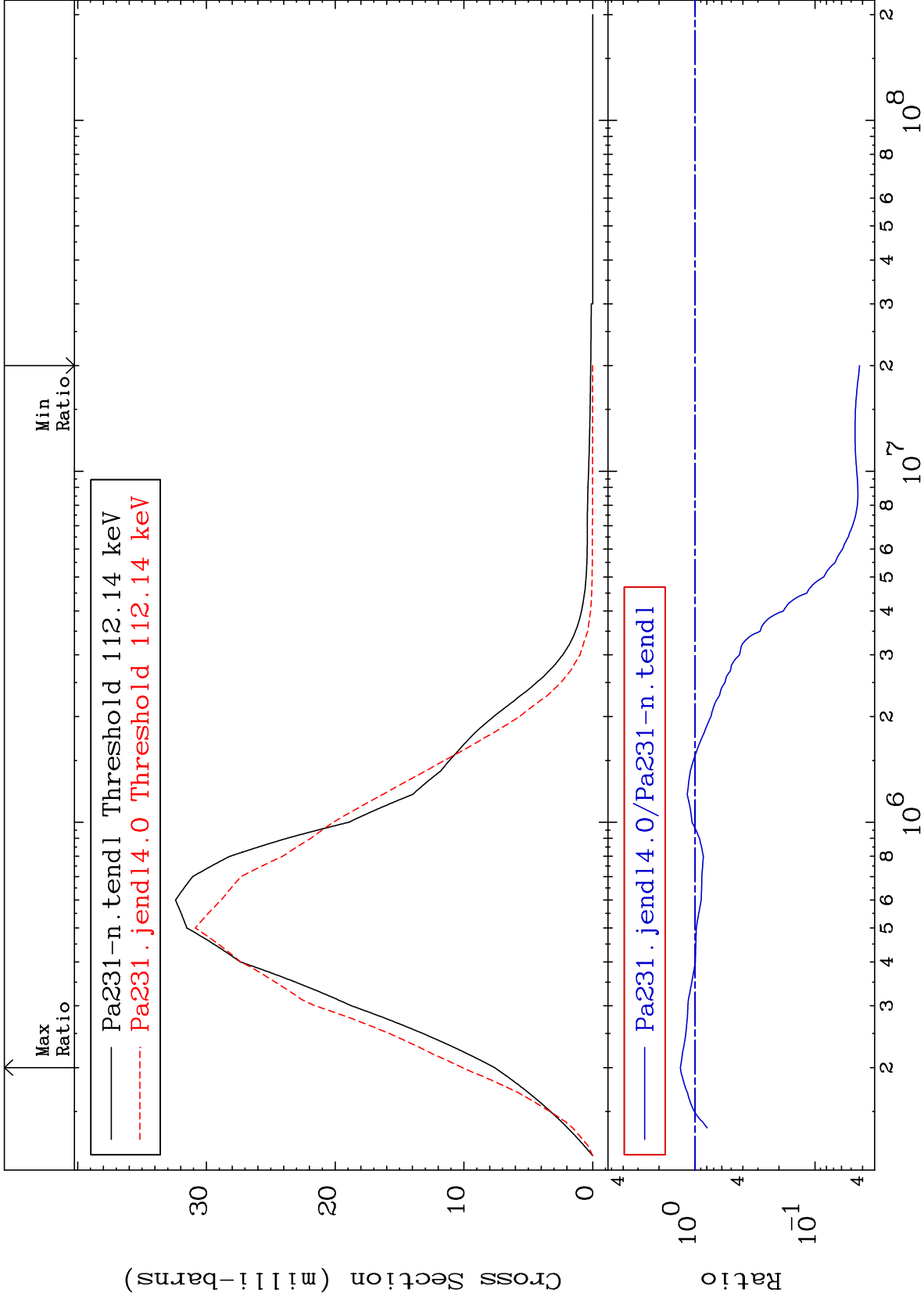


16

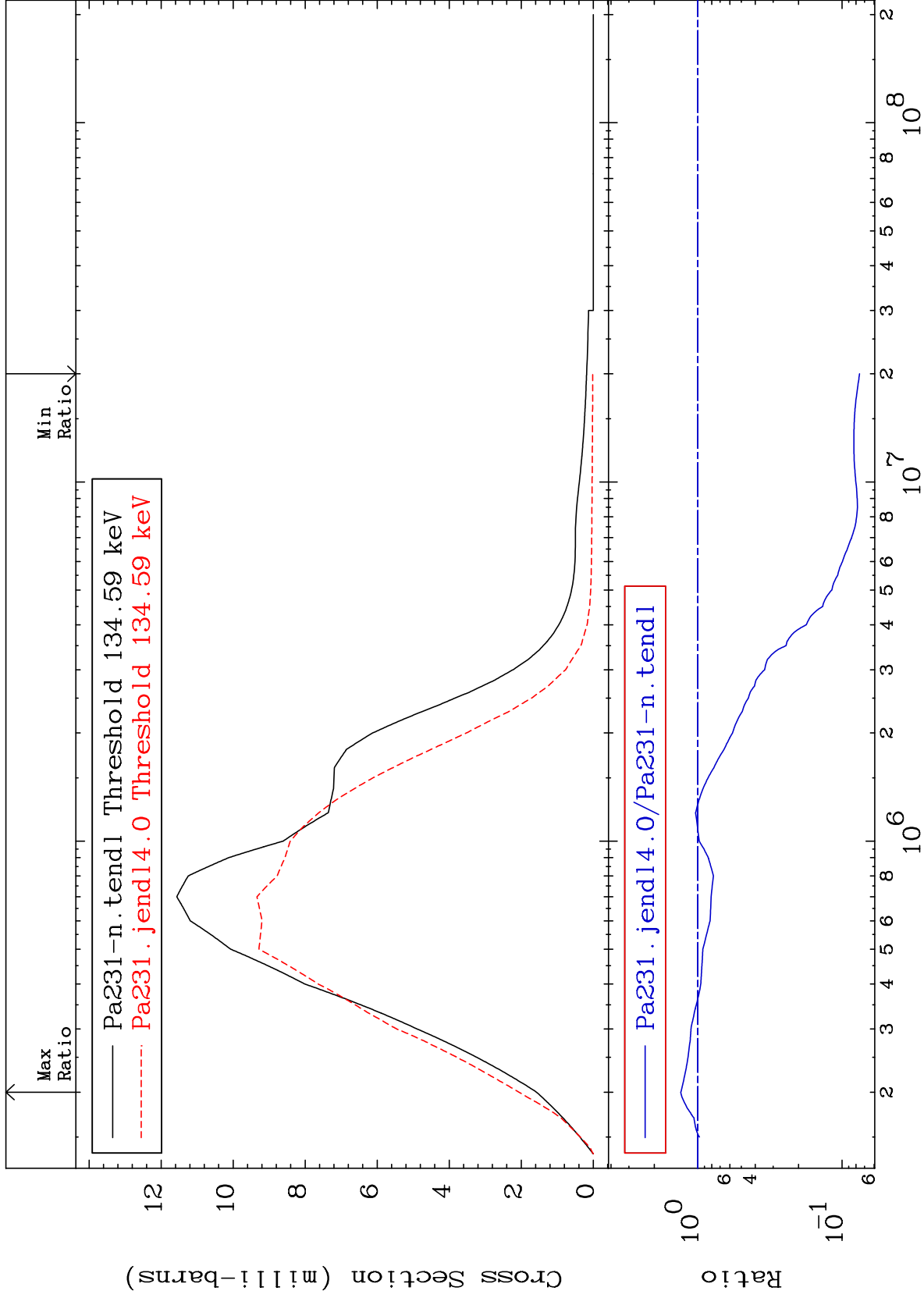
Incident Energy (eV)

91-Pa-231

MAT 9131 111.7 keV (n,n') Level 91-Pa-231
 Cross Section -95.75 To 32.99 %



MAT 9131 134.0 keV (n,n') Level 91-Pa-231
 Cross Section -92.43 To 31.17 %

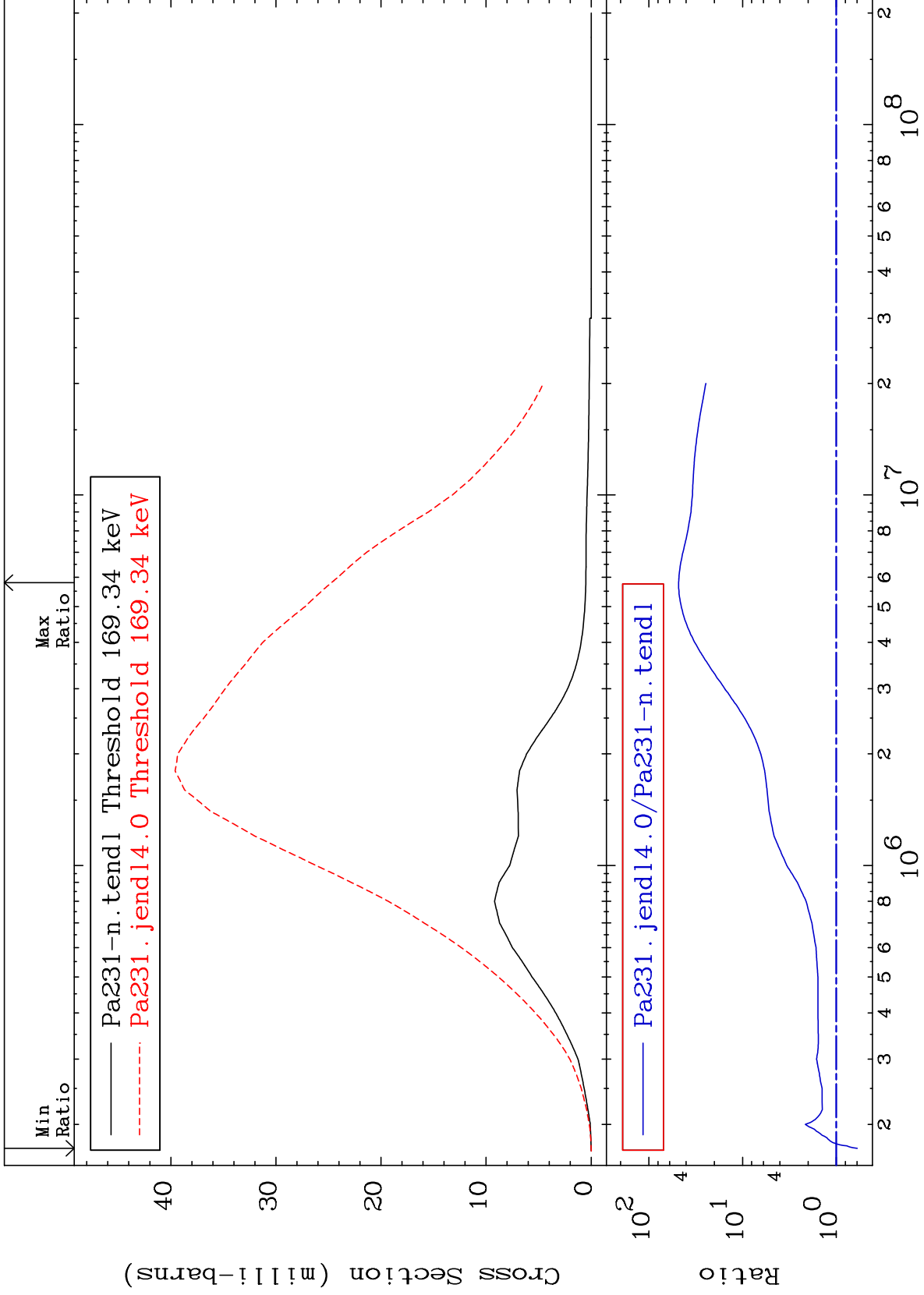


18 91-Pa-231

MAT 9131

168.6 keV (n,n') Level
Cross Section

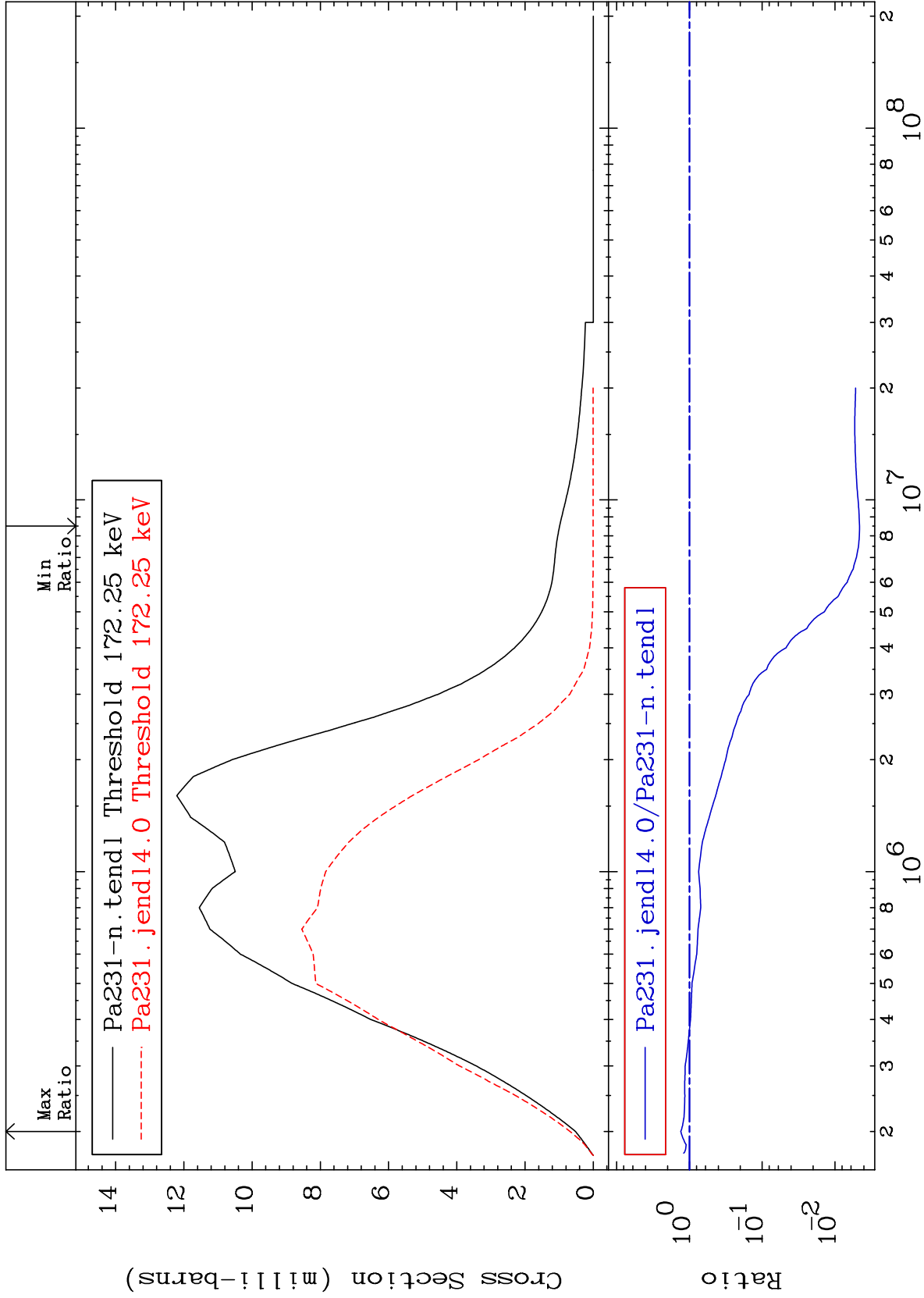
91-Pa-231
-40.23 To 4708. %



MAT 9131

171.5 keV (n,n') Level
Cross Section

91-Pa-231
-99.54 To 31.47 %



20

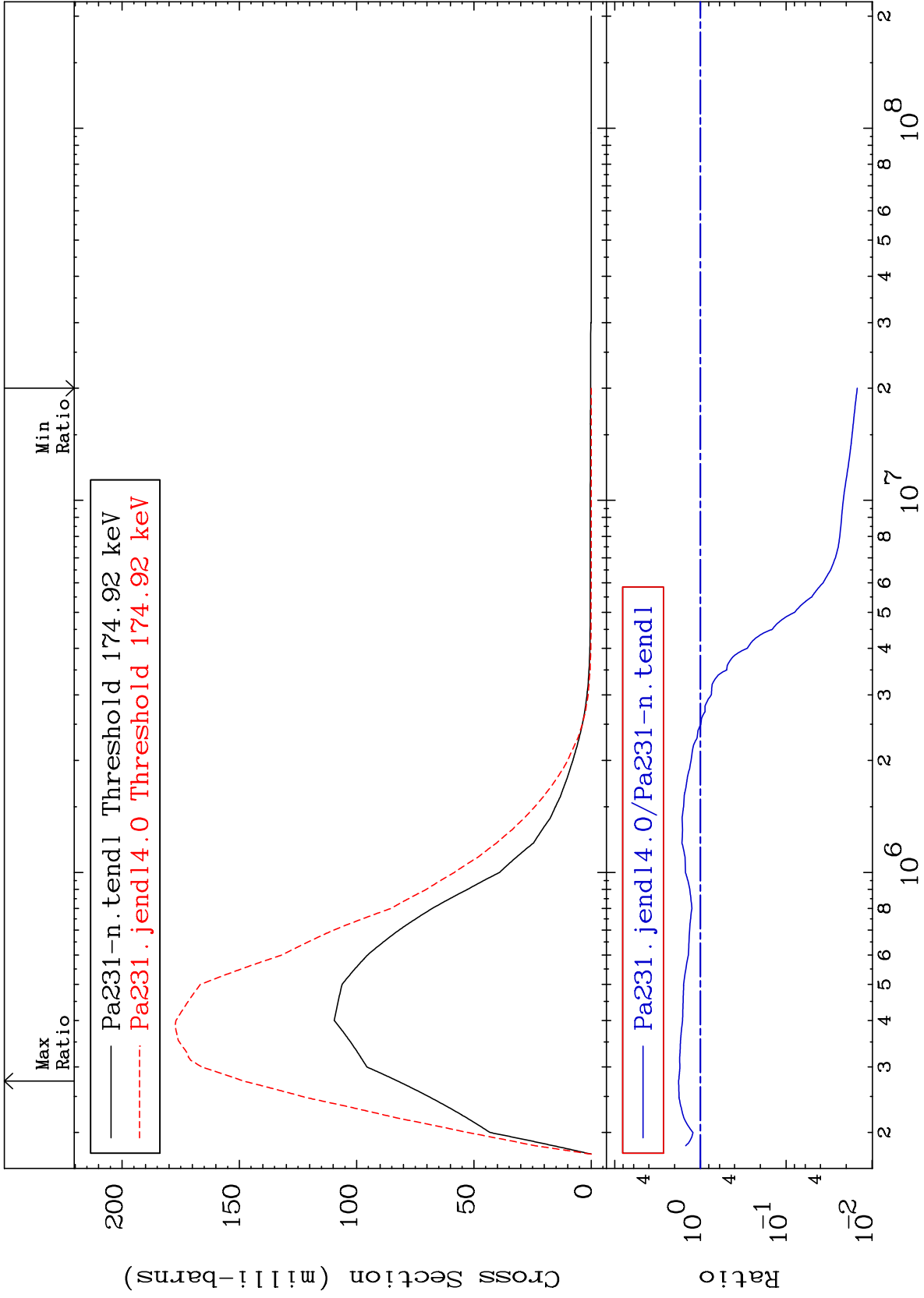
Incident Energy (eV)

91-Pa-231

MAT 9131

174.2 keV (n,n') Level
Cross Section

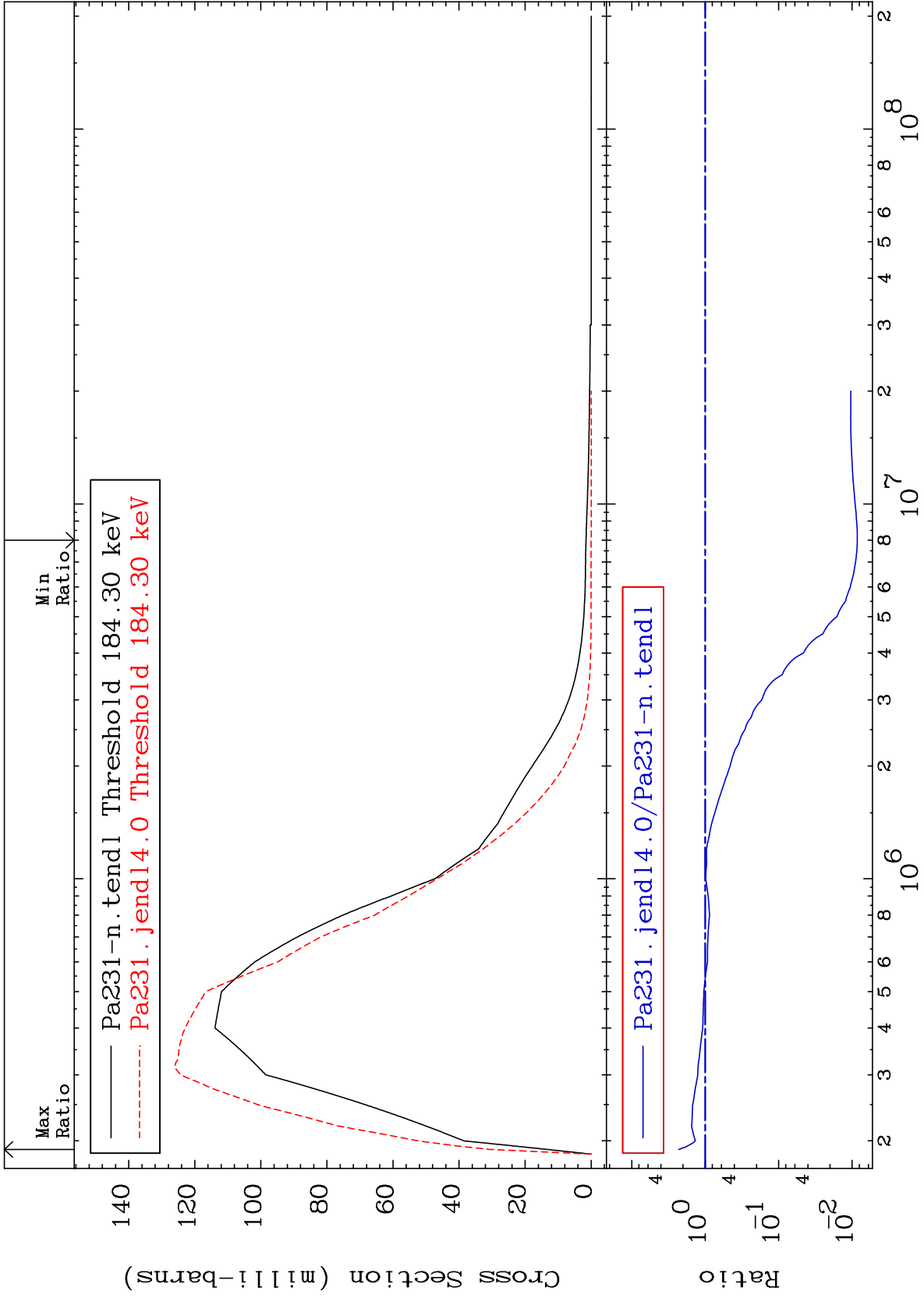
91-Pa-231
-98.52 To 79.55 %



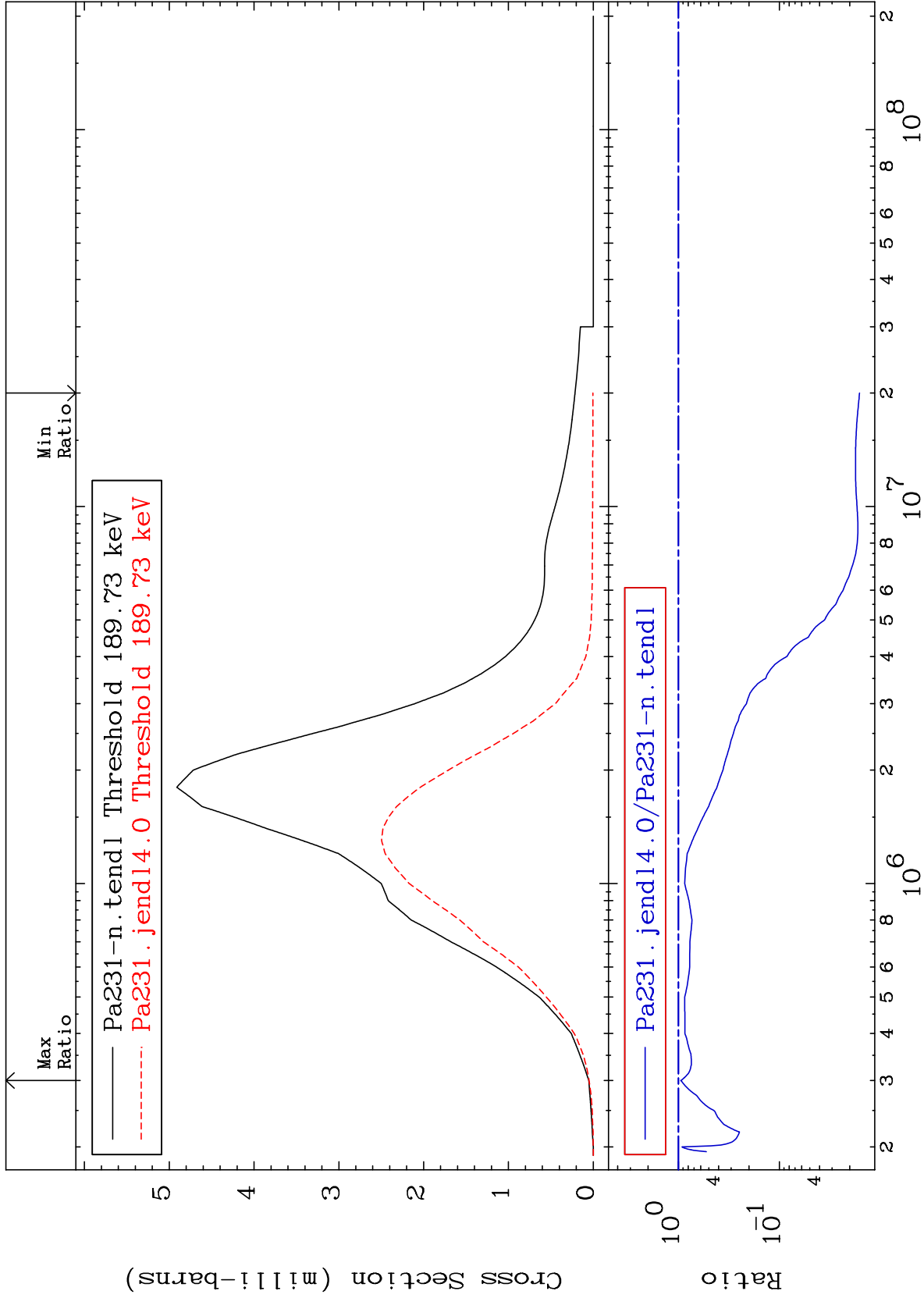
MAT 9131

183.5 keV (n,n') Level
Cross Section

91-Pa-231
-99.15 To 129.7 %



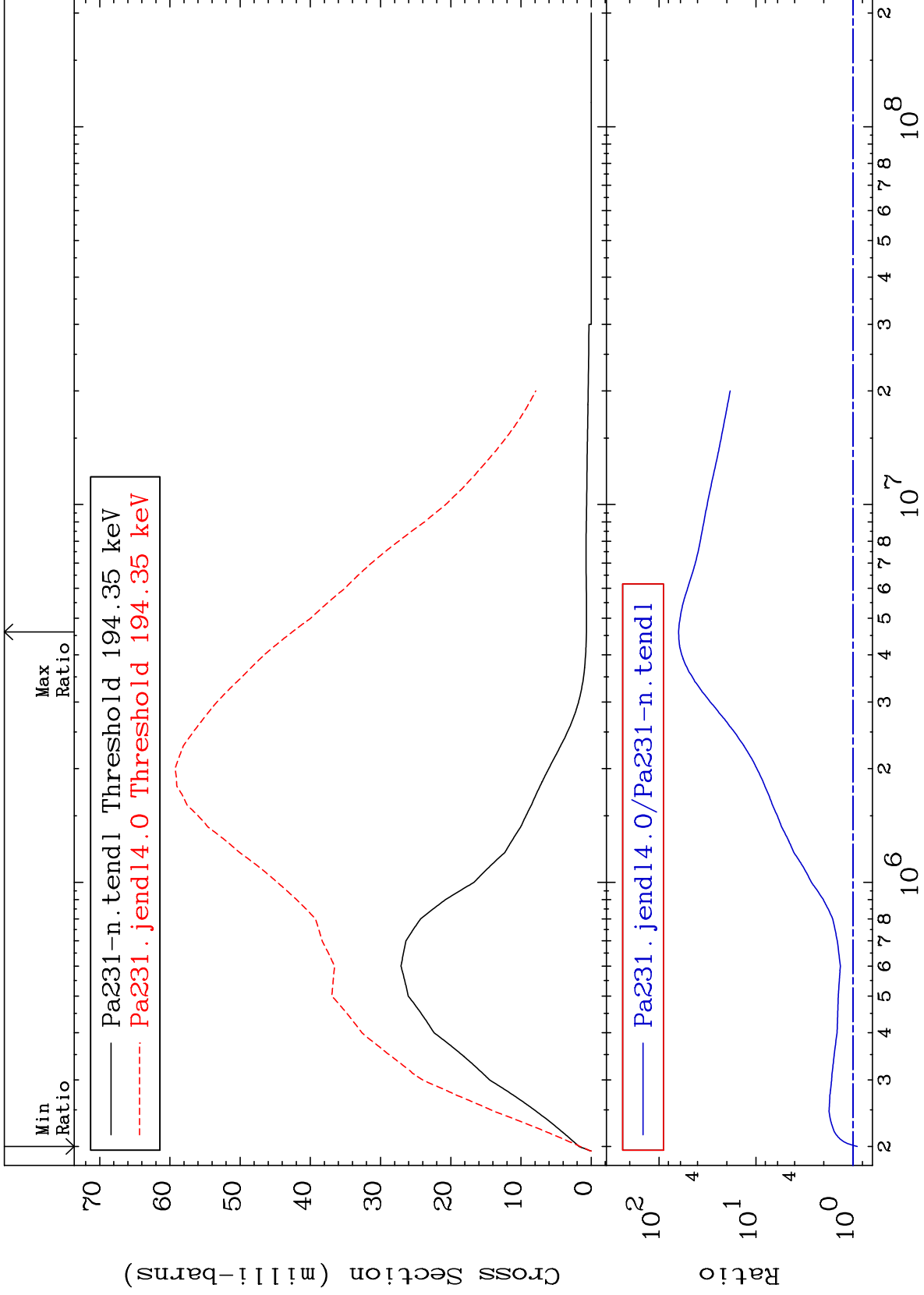
MAT 9131 188.9 keV (n,n') Level 91-Pa-231
 Cross Section -98.40 To -5.207%



MAT 9131

193.5 keV (n,n') Level
Cross Section

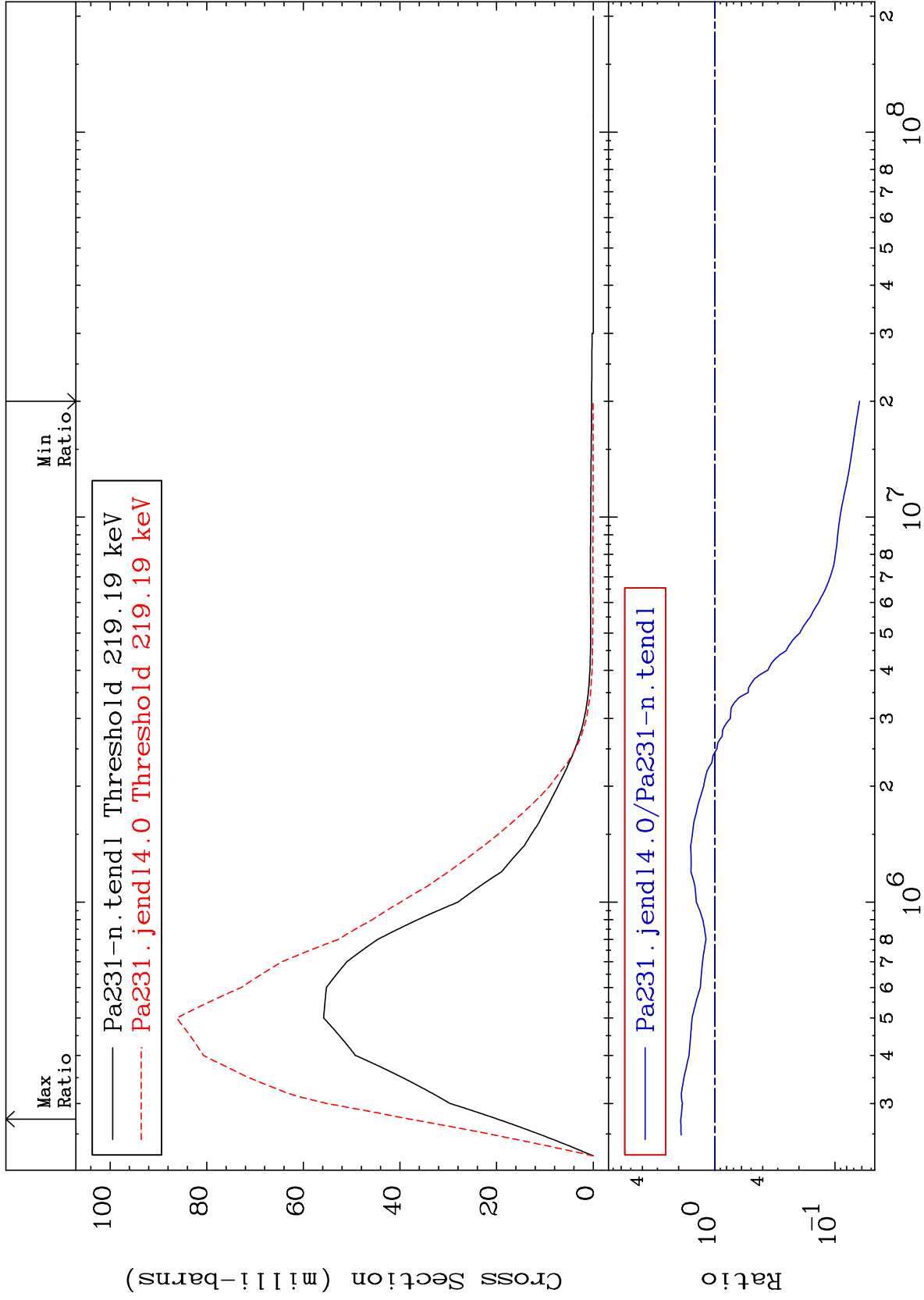
91-Pa-231
-9.637 To 6175. %



MAT 9131

218.2 keV (n,n') Level
Cross Section

91-Pa-231
-93.74 To 91.81 %



25

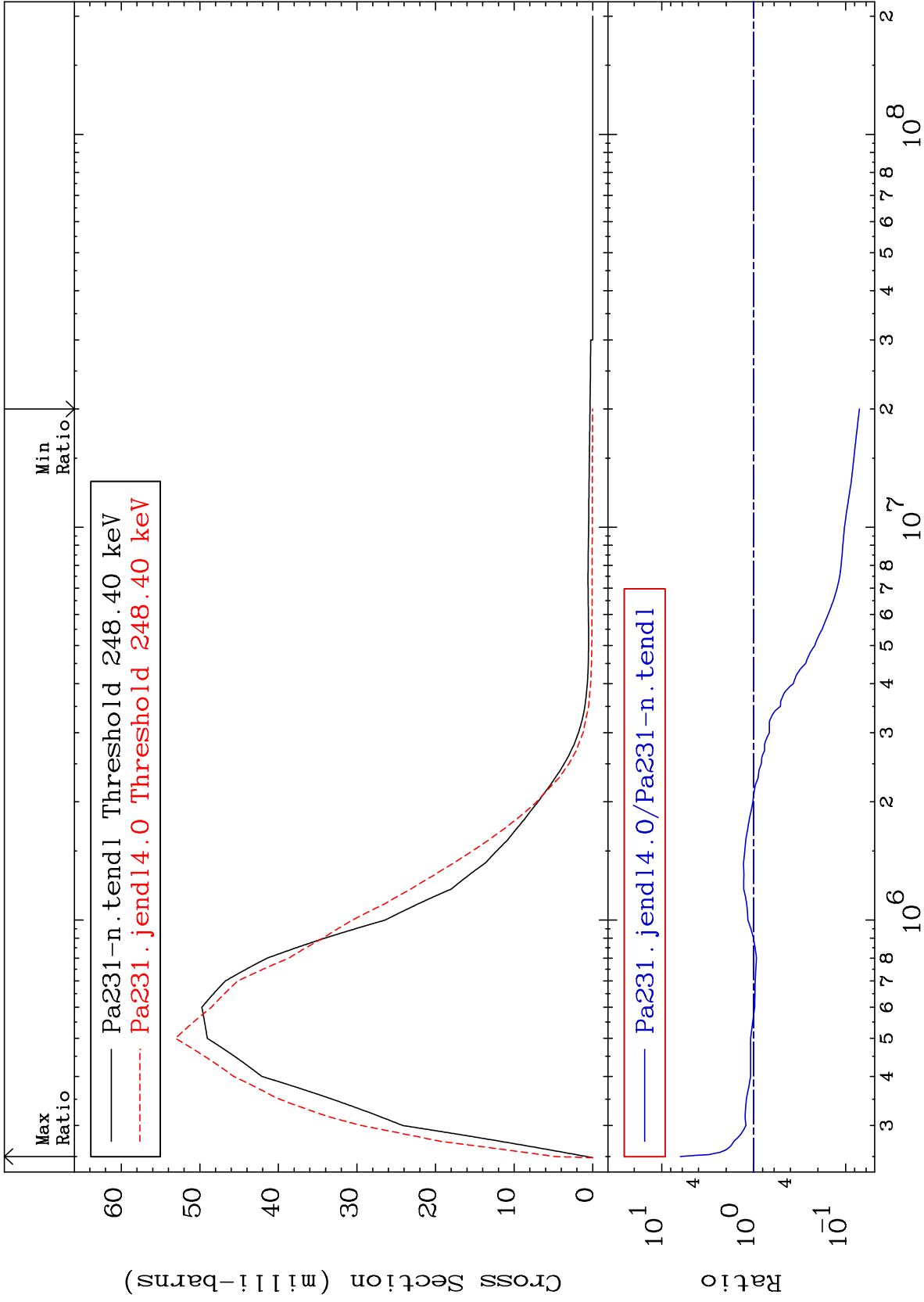
91-Pa-231

91-Pa-231

MAT 9131

247.3 keV (n,n') Level
Cross Section

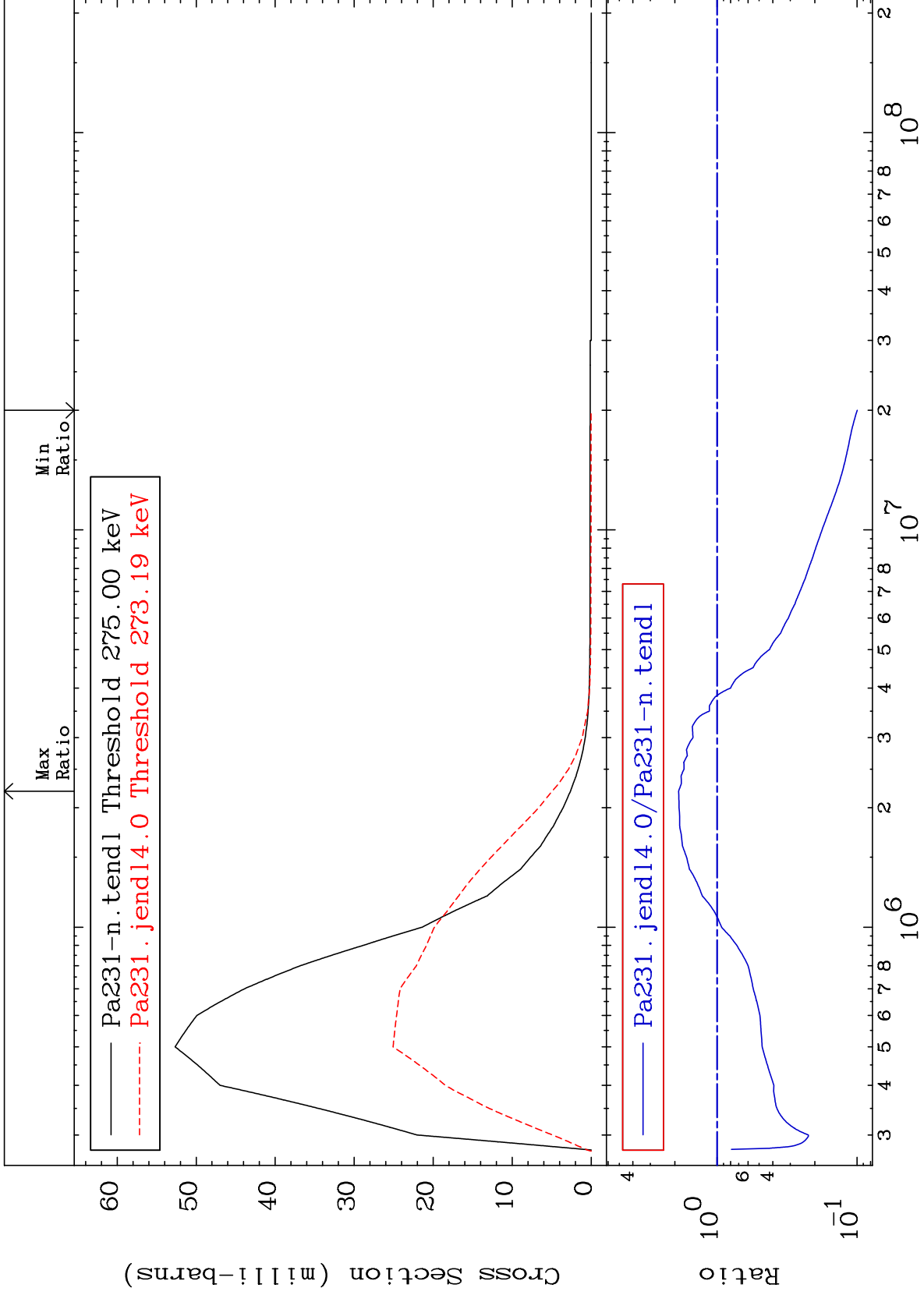
91-Pa-231
-92.92 To 528.9 %



MAT 9131

273.8 keV (n,n') Level
Cross Section

91-Pa-231
-90.05 To 88.12 %



27

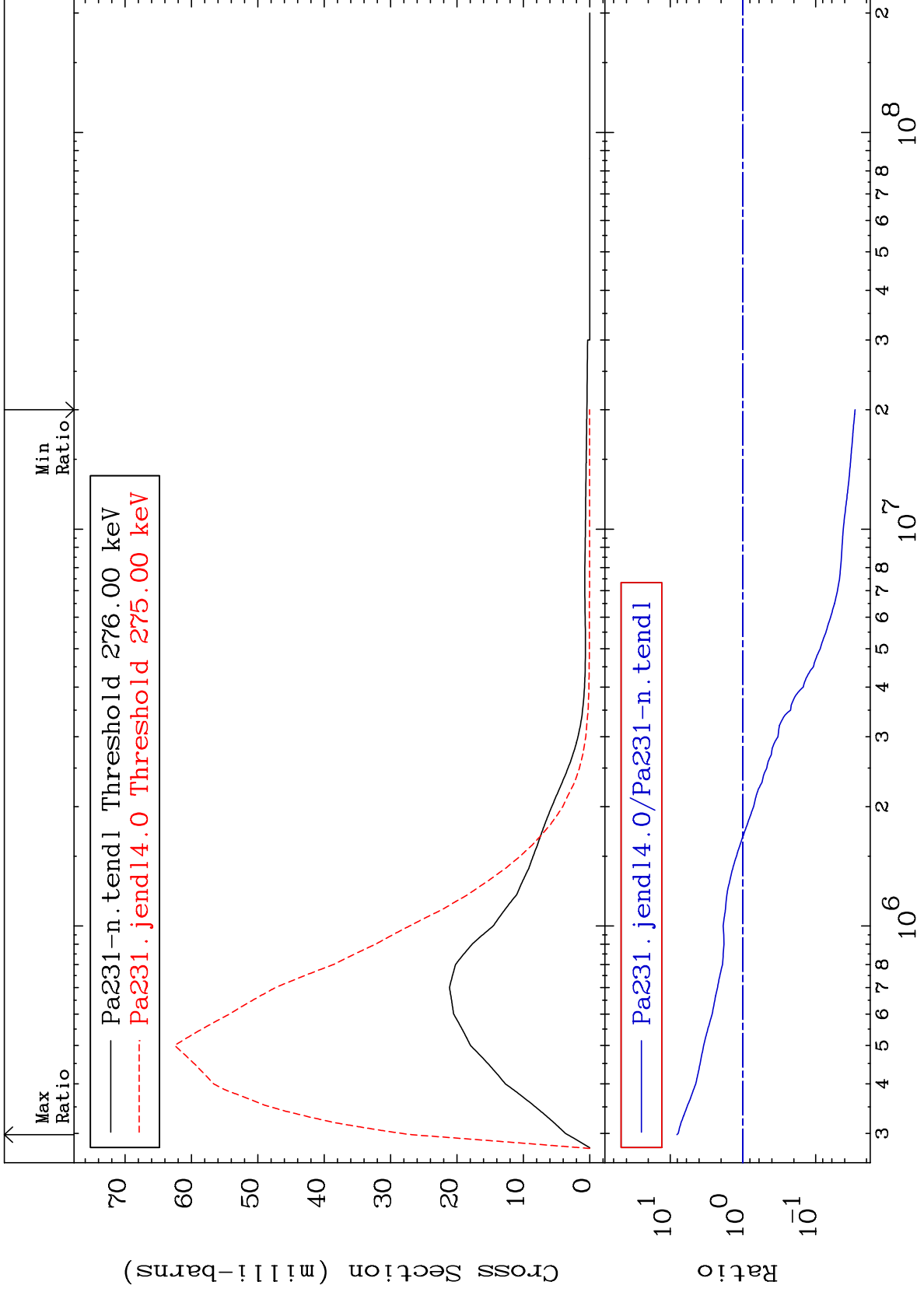
Incident Energy (eV)

91-Pa-231

MAT 9131

274.8 keV (n,n') Level
Cross Section

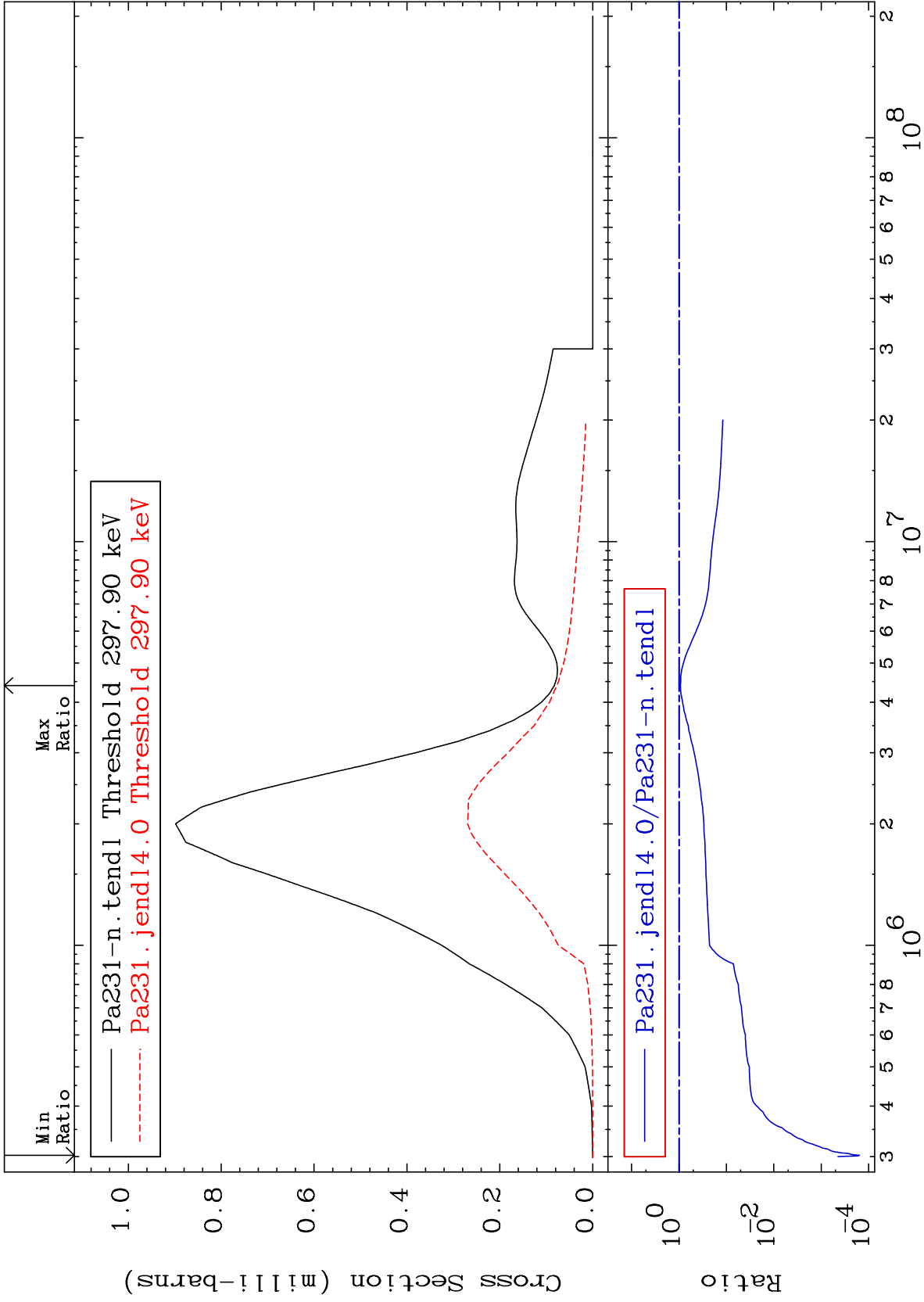
91-Pa-231
-97.13 To 708.7 %



MAT 9131

296.6 keV (n,n') Level
Cross Section

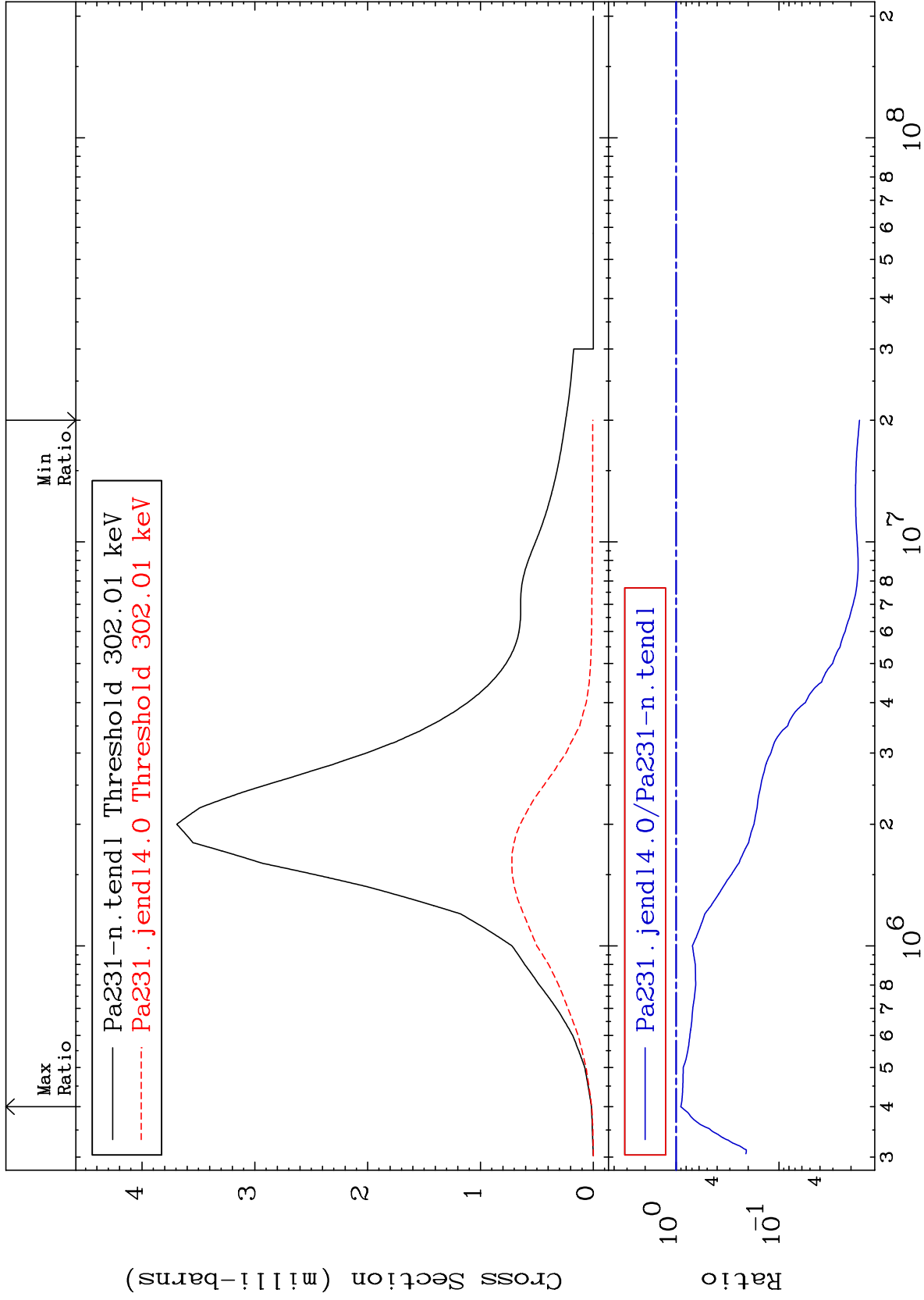
91-Pa-231
-99.98 To -6.324%



MAT 9131

300.7 keV (n,n') Level
Cross Section

91-Pa-231
-98.35 To -9.874%



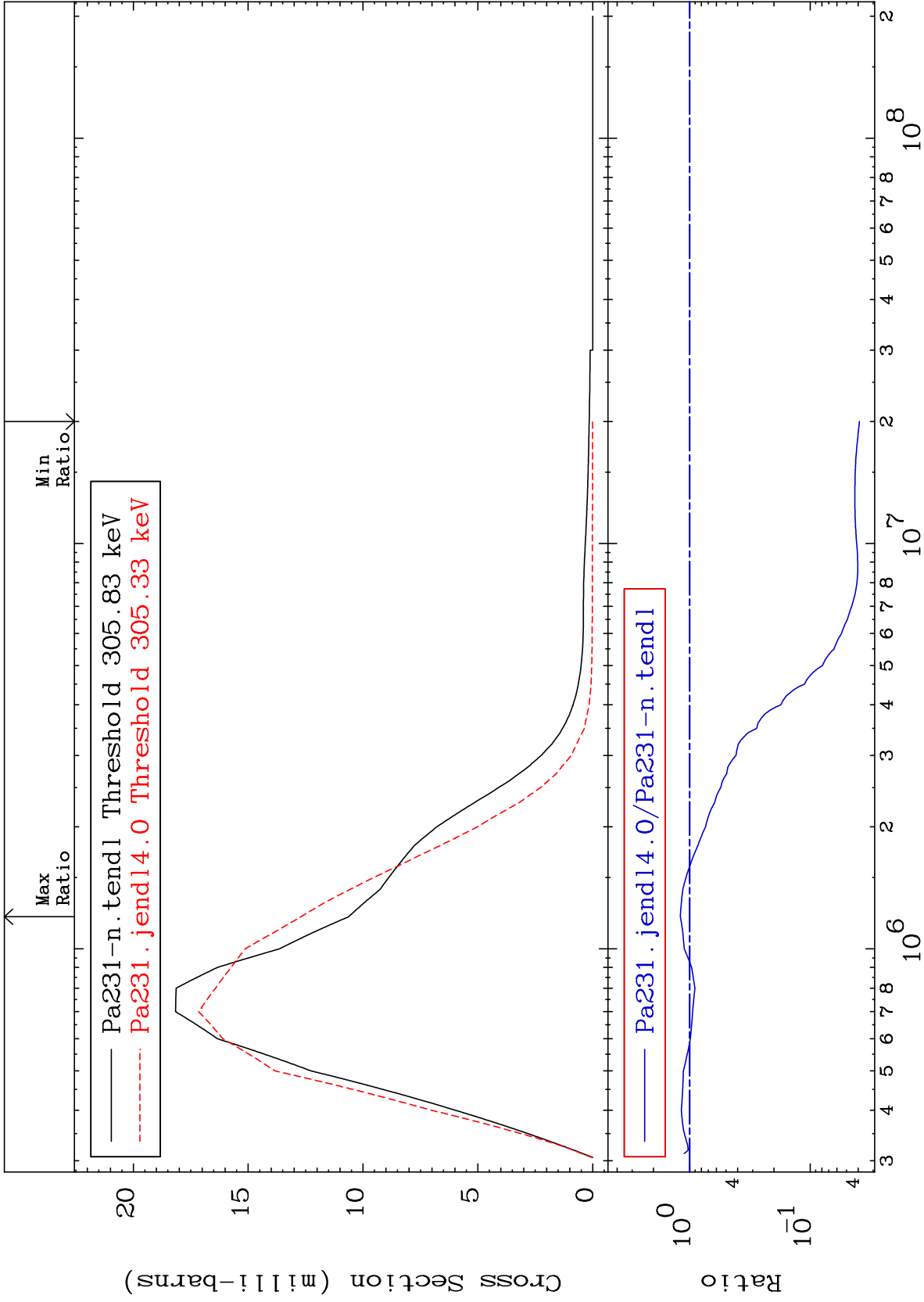
30

91-Pa-231

MAT 9131

304.5 keV (n,n') Level
Cross Section

91-Pa-231
-96.10 To 19.48 %



31

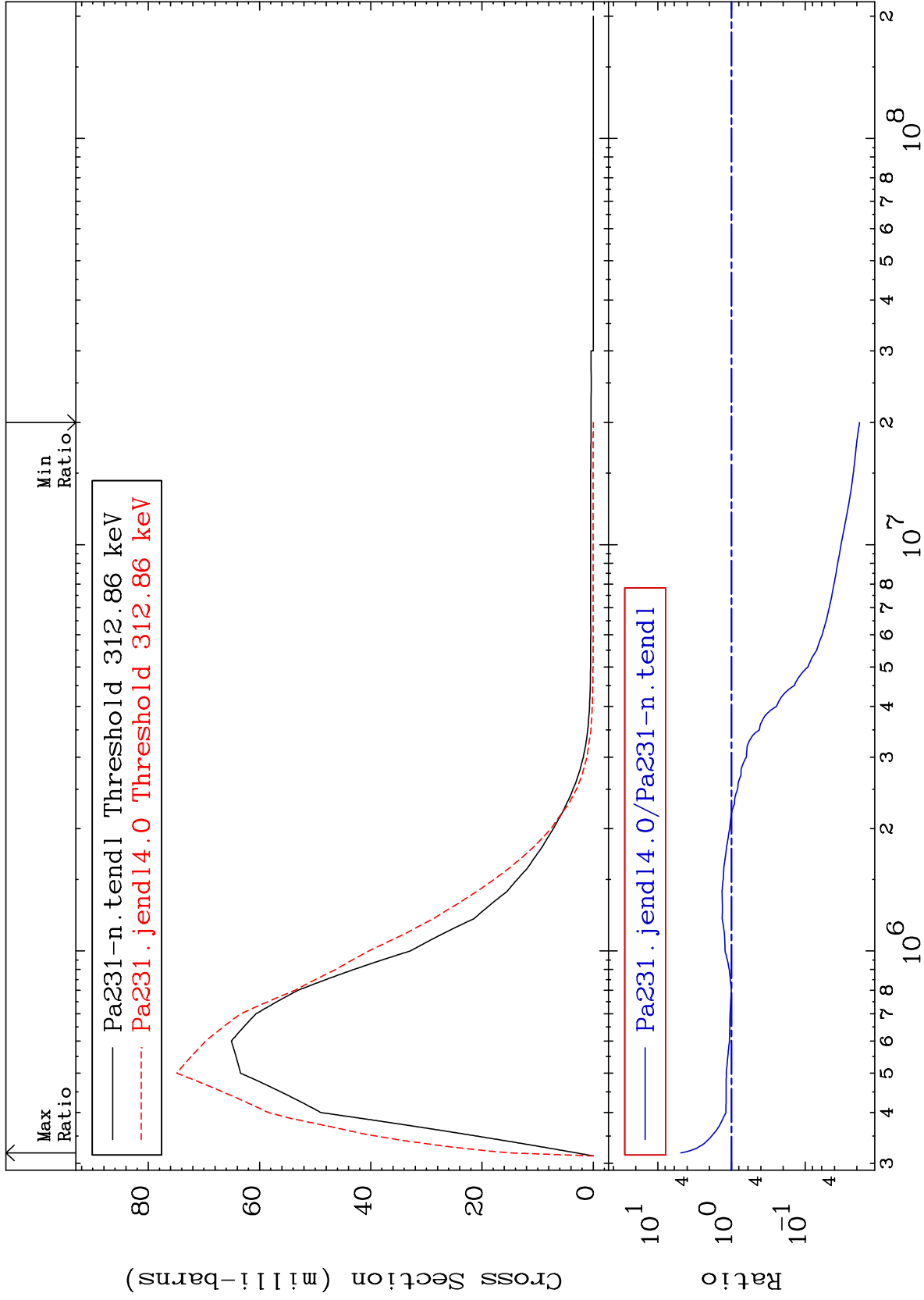
Incident Energy (eV)

91-Pa-231

MAT 9131

311.5 keV (n,n') Level
Cross Section

91-Pa-231
-98.17 To 389.0 %



32

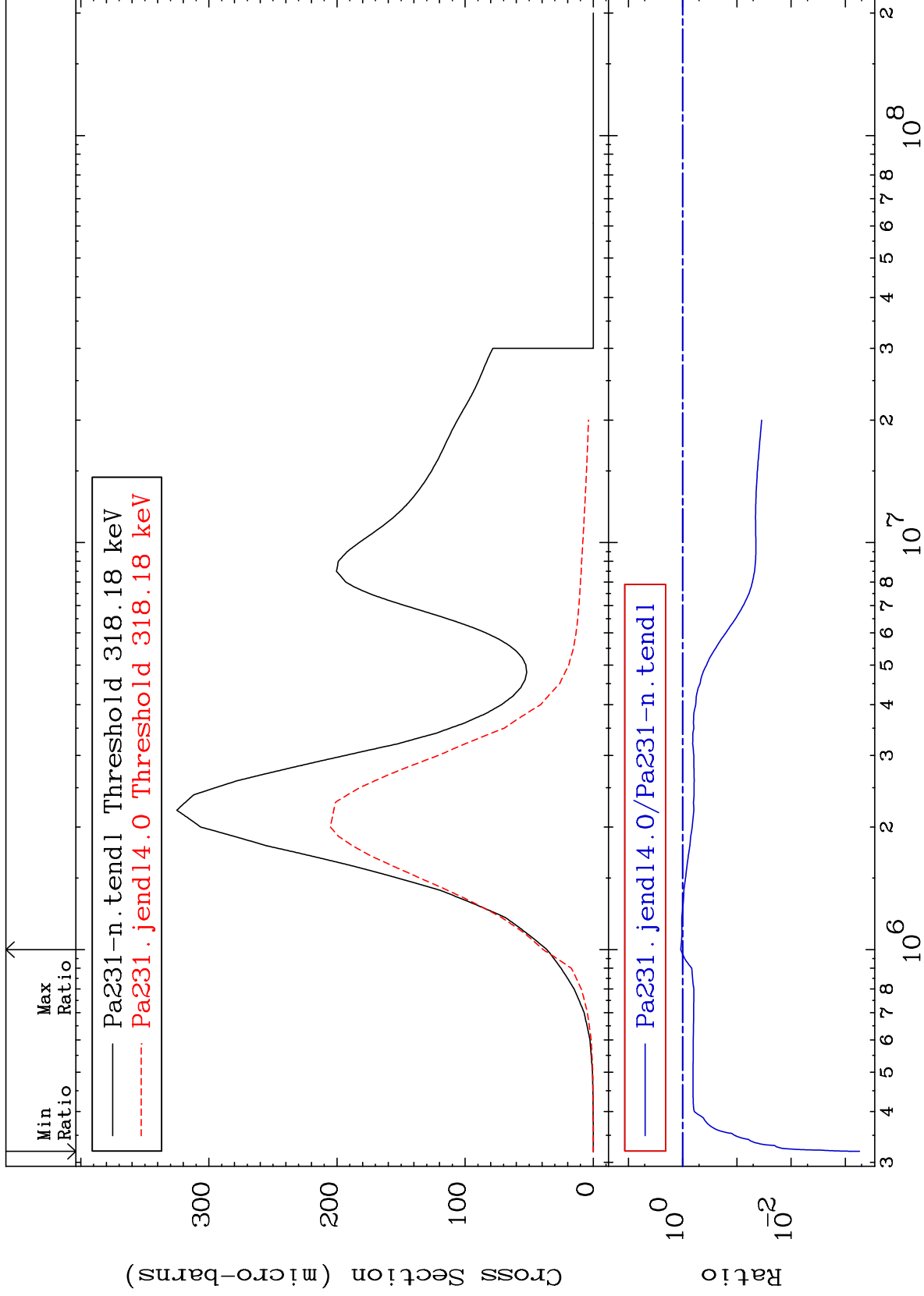
91-Pa-231

91-Pa-231

MAT 9131

316.8 keV (n,n') Level
Cross Section

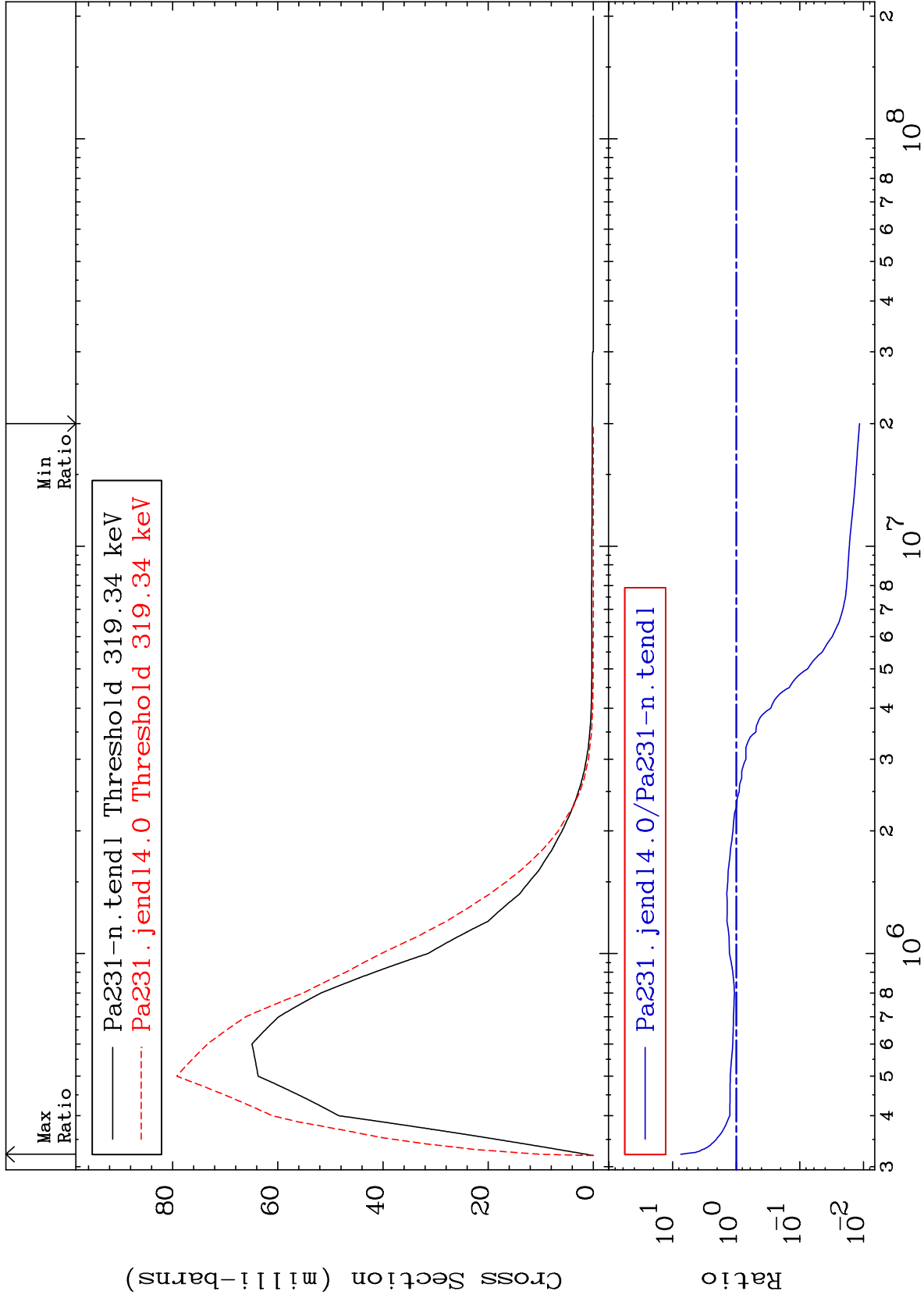
91-Pa-231
-99.95 To 8.510 %



MAT 9131

318.0 keV (n,n') Level
Cross Section

91-Pa-231
-98.85 To 643.8 %



34

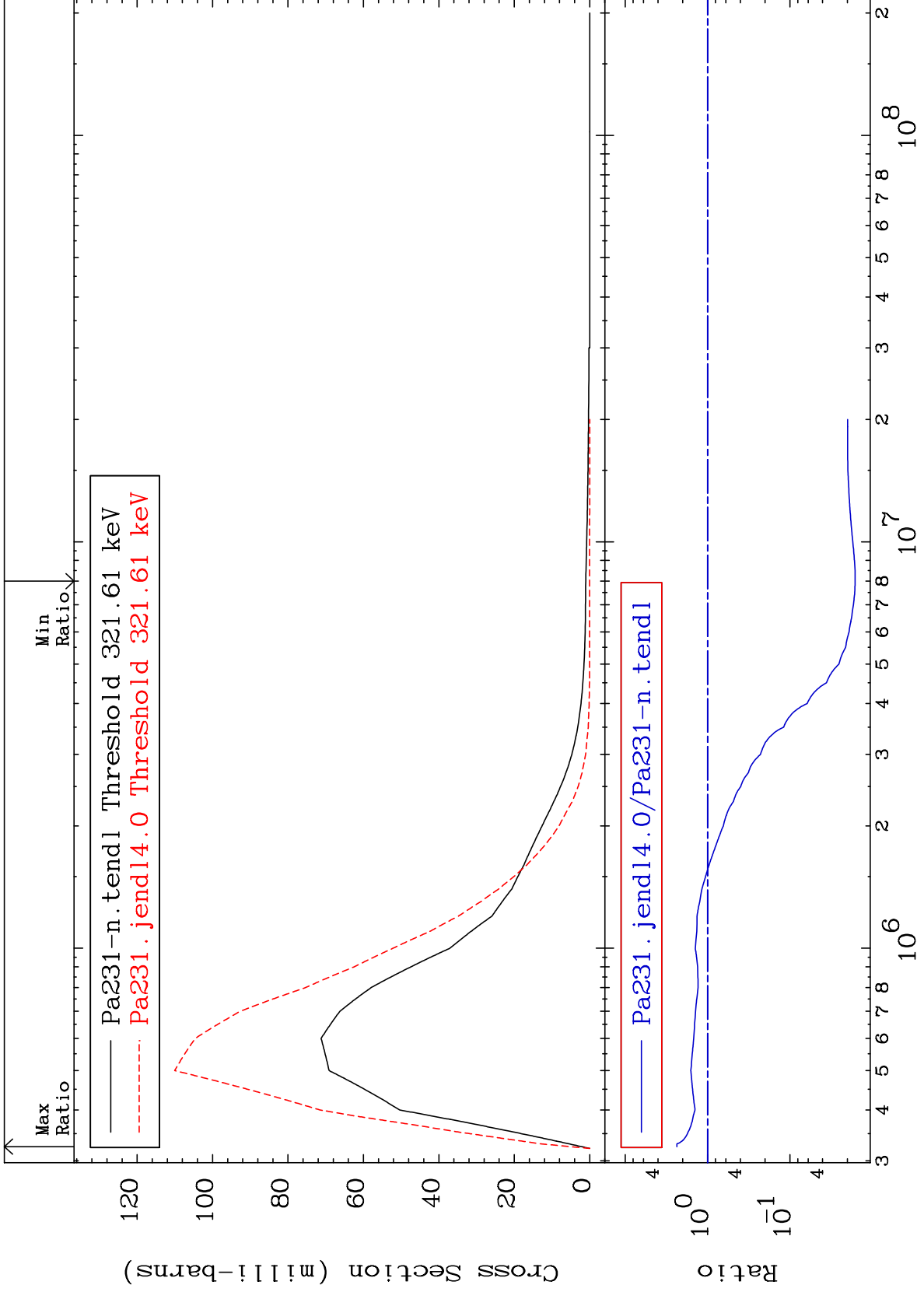
Incident Energy (eV)

91-Pa-231

MAT 9131

320.2 keV (n,n') Level
Cross Section

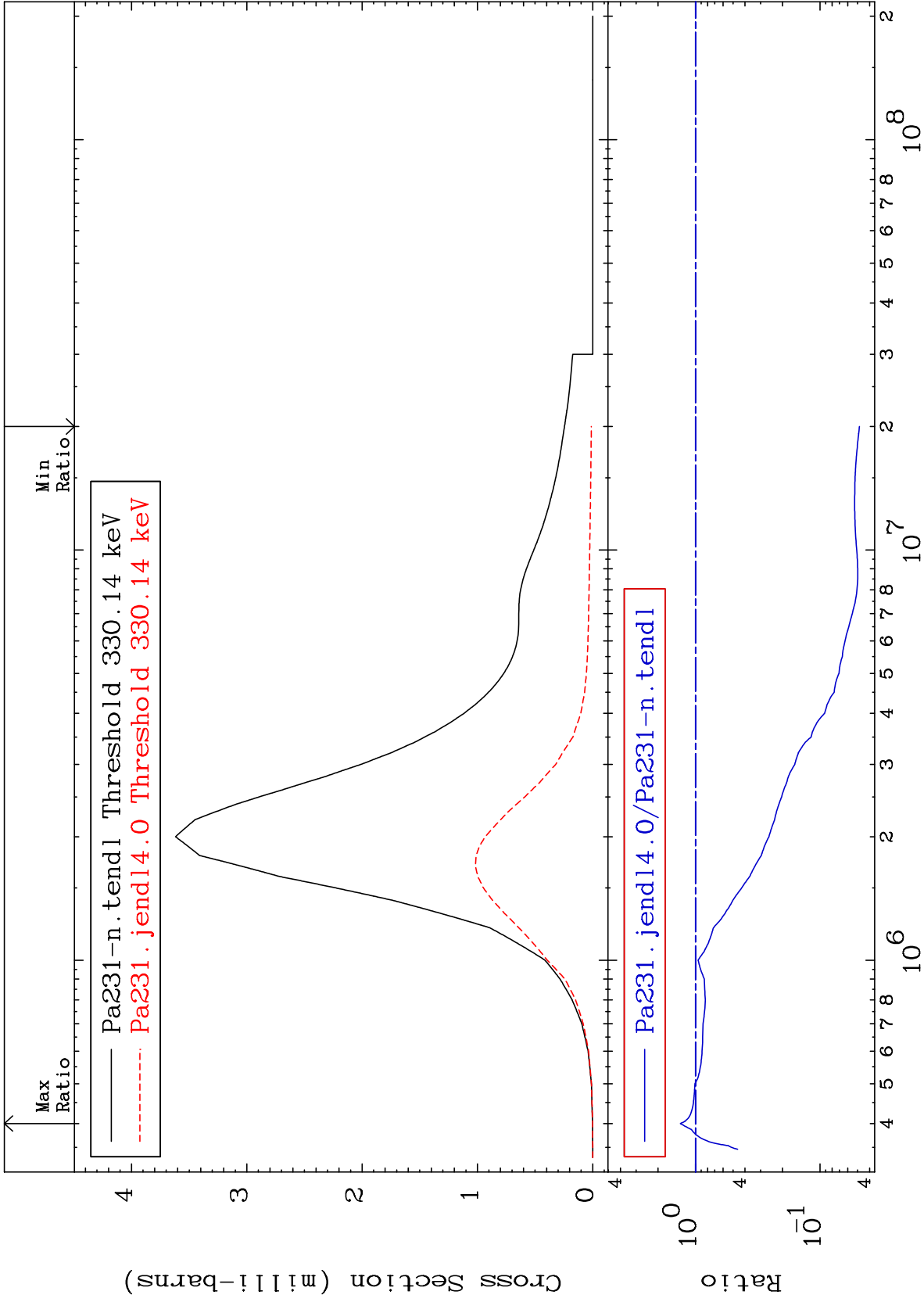
91-Pa-231
-98.39 To 135.3 %



MAT 9131

328.7 keV (n,n') Level
Cross Section

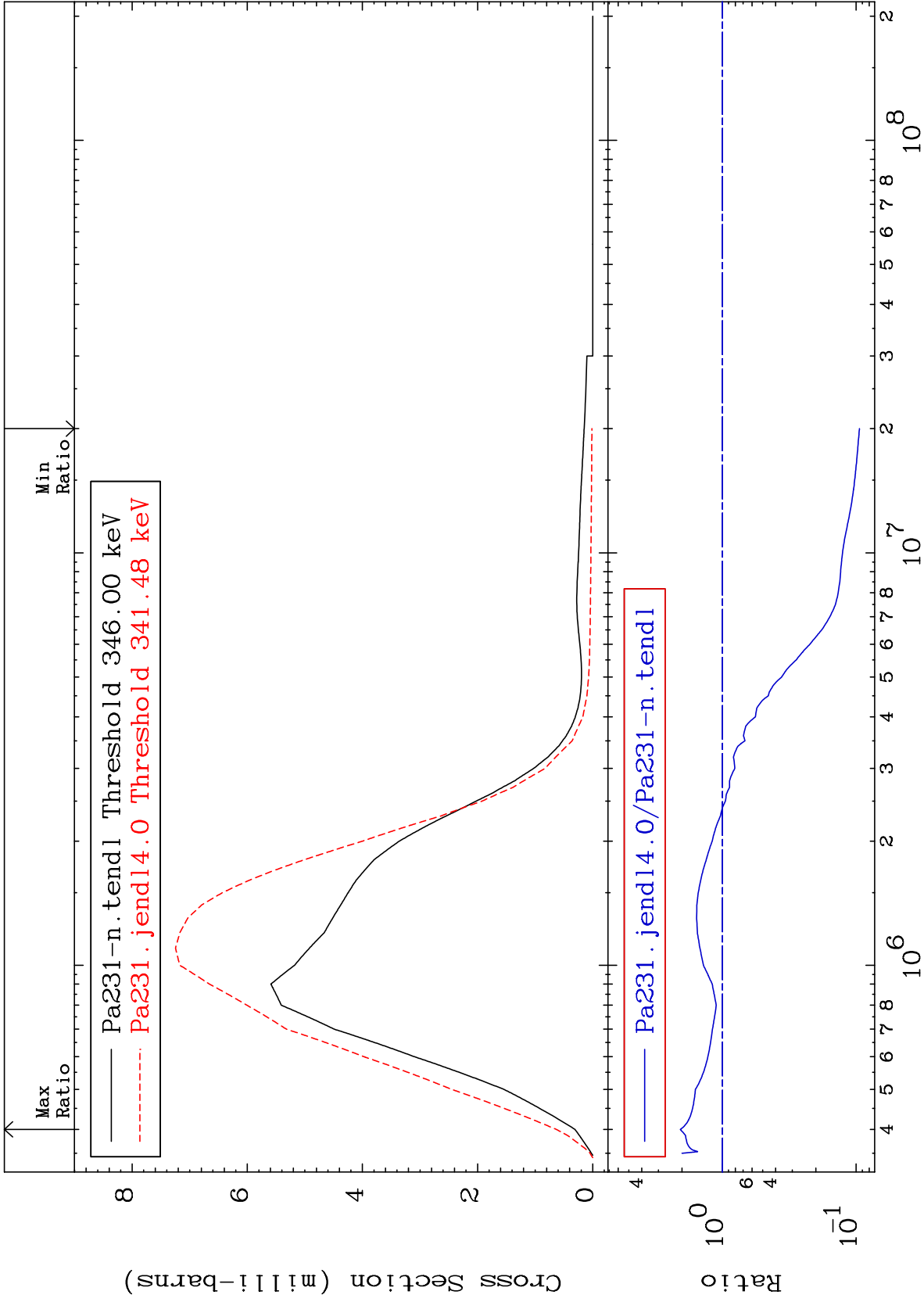
91-Pa-231
-95.17 To 32.30 %



MAT 9131

344.5 keV (n,n') Level
Cross Section

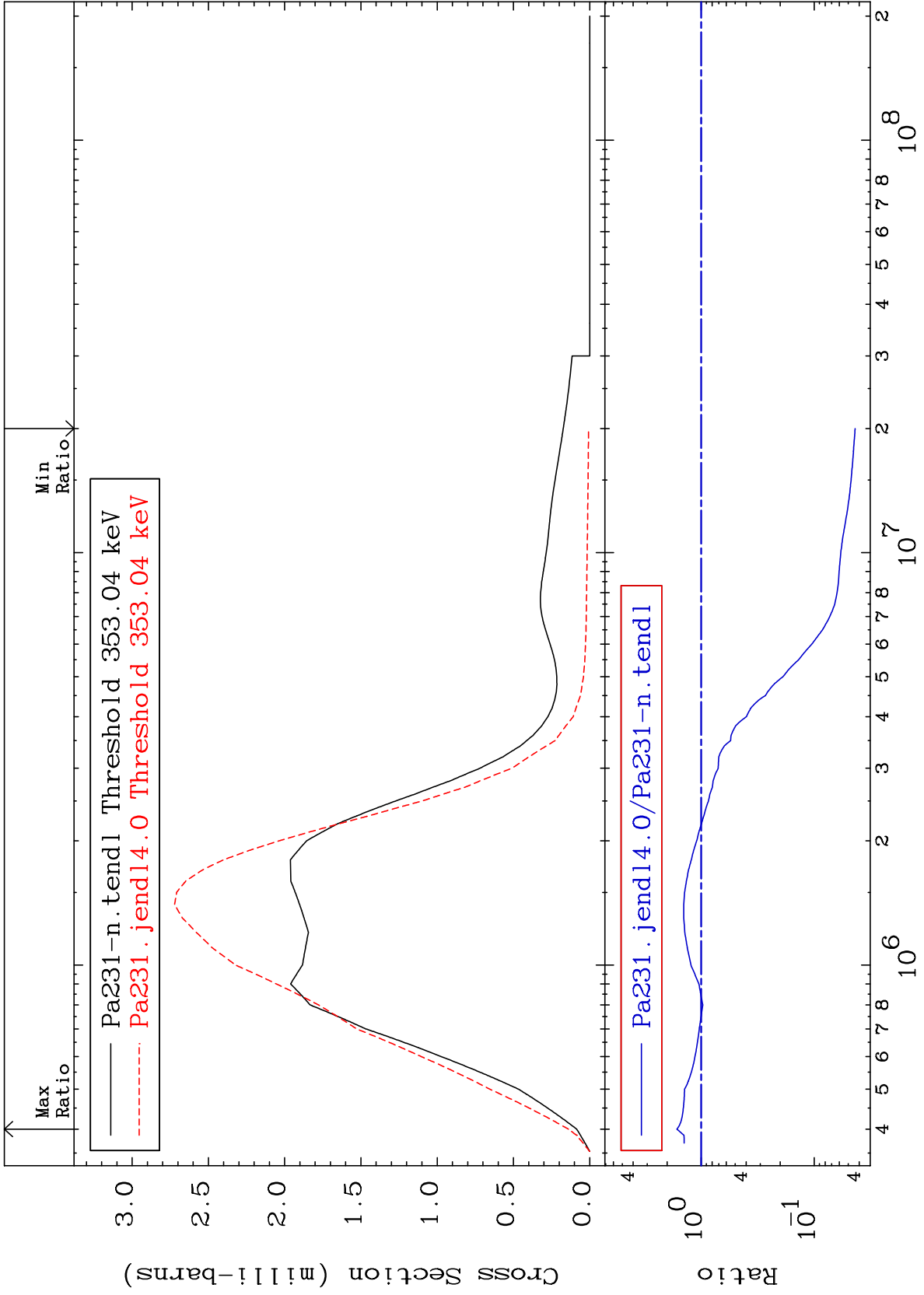
91-Pa-231
-90.54 To 106.0 %



MAT 9131

351.5 keV (n,n') Level
Cross Section

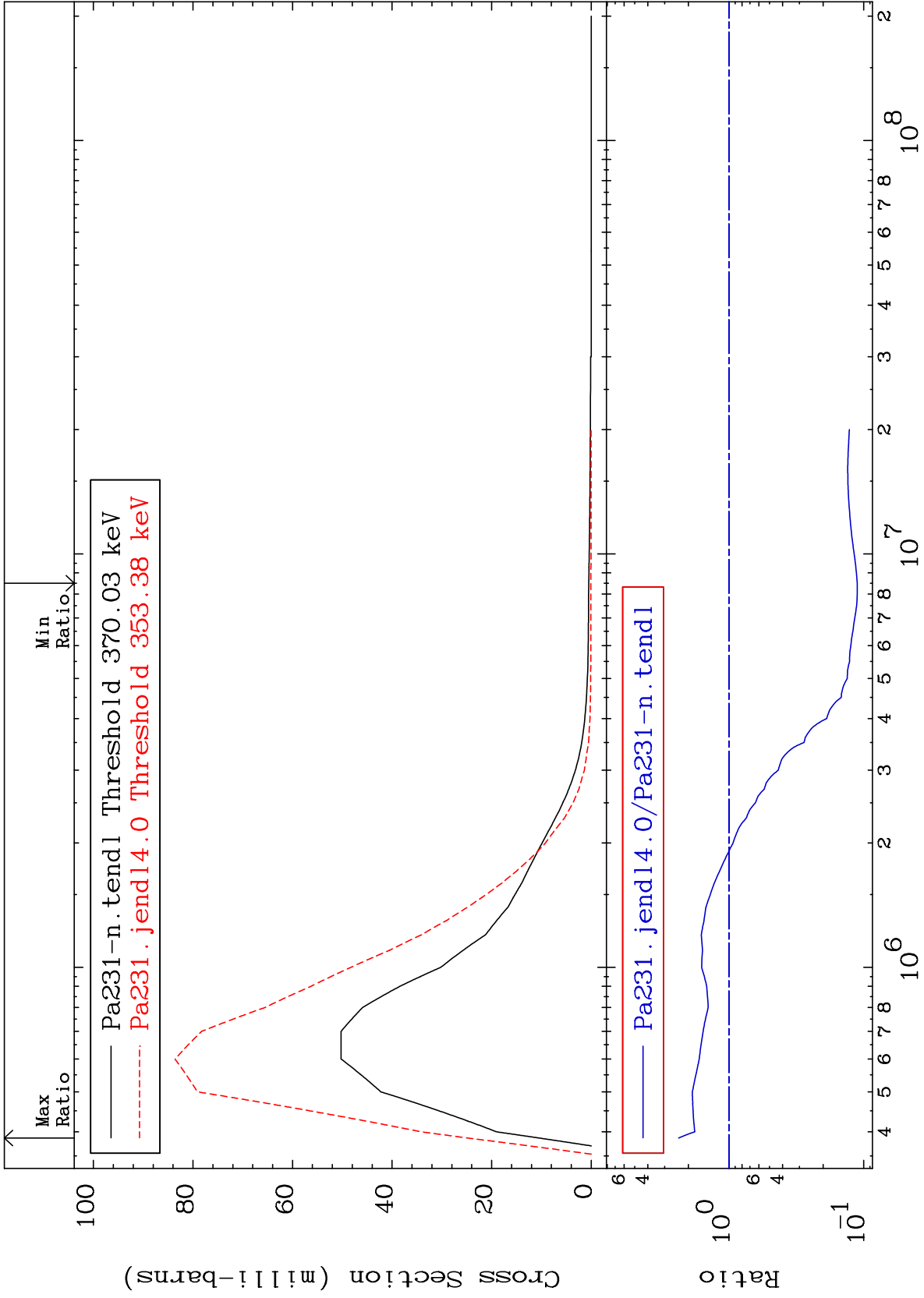
91-Pa-231
-95.65 To 64.06 %



MAT 9131

368.4 keV (n,n') Level
Cross Section

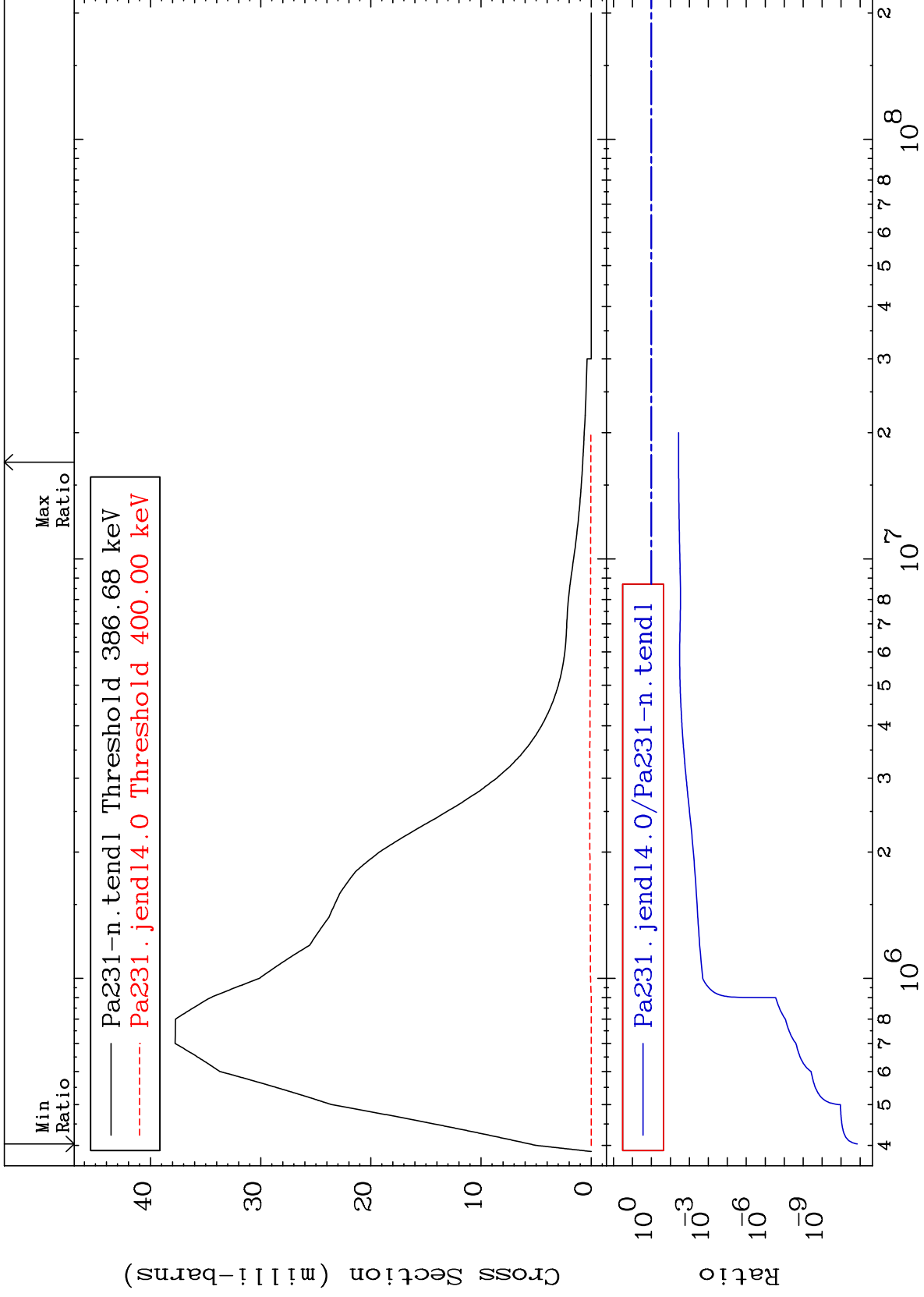
91-Pa-231
-88.83 To 136.4 %



MAT 9131

385.0 keV (n,n') Level
Cross Section

91-Pa-231
-100.0 To -96.32%



40

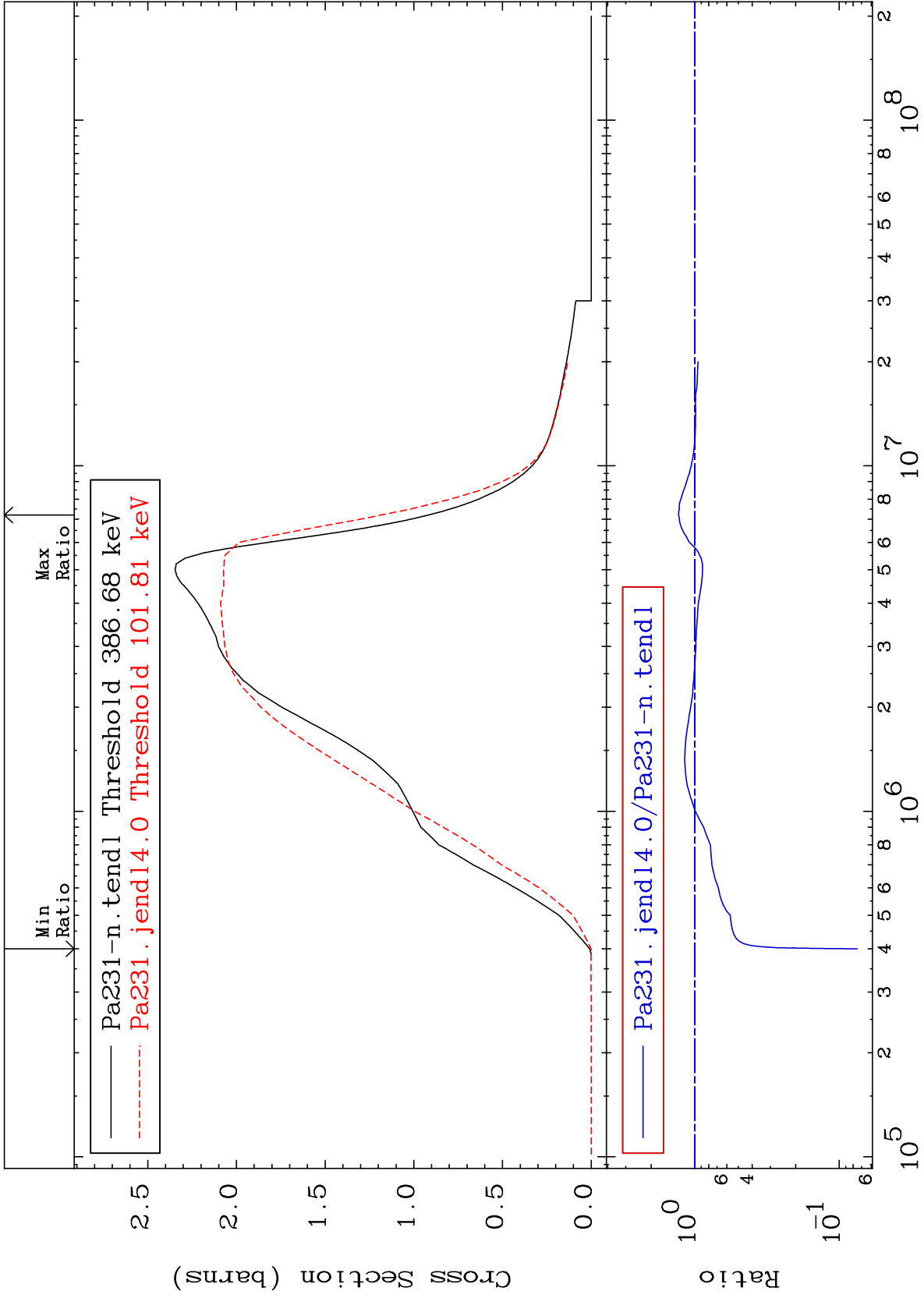
Incident Energy (eV)

91-Pa-231

MAT 9131

(n, n') Continuum
Cross Section

91-Pa-231
-92.51 To 29.23 %



41

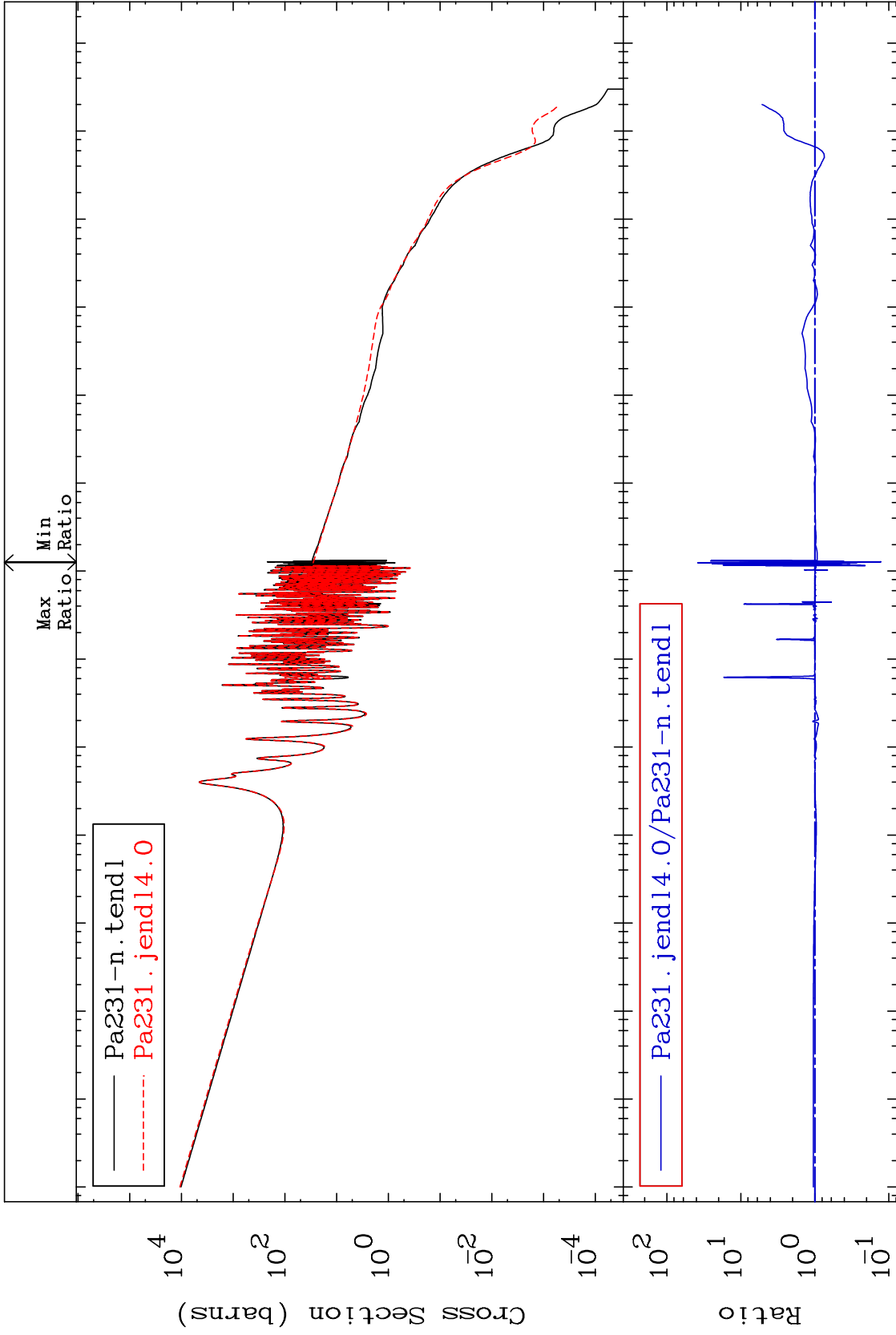
Incident Energy (eV)

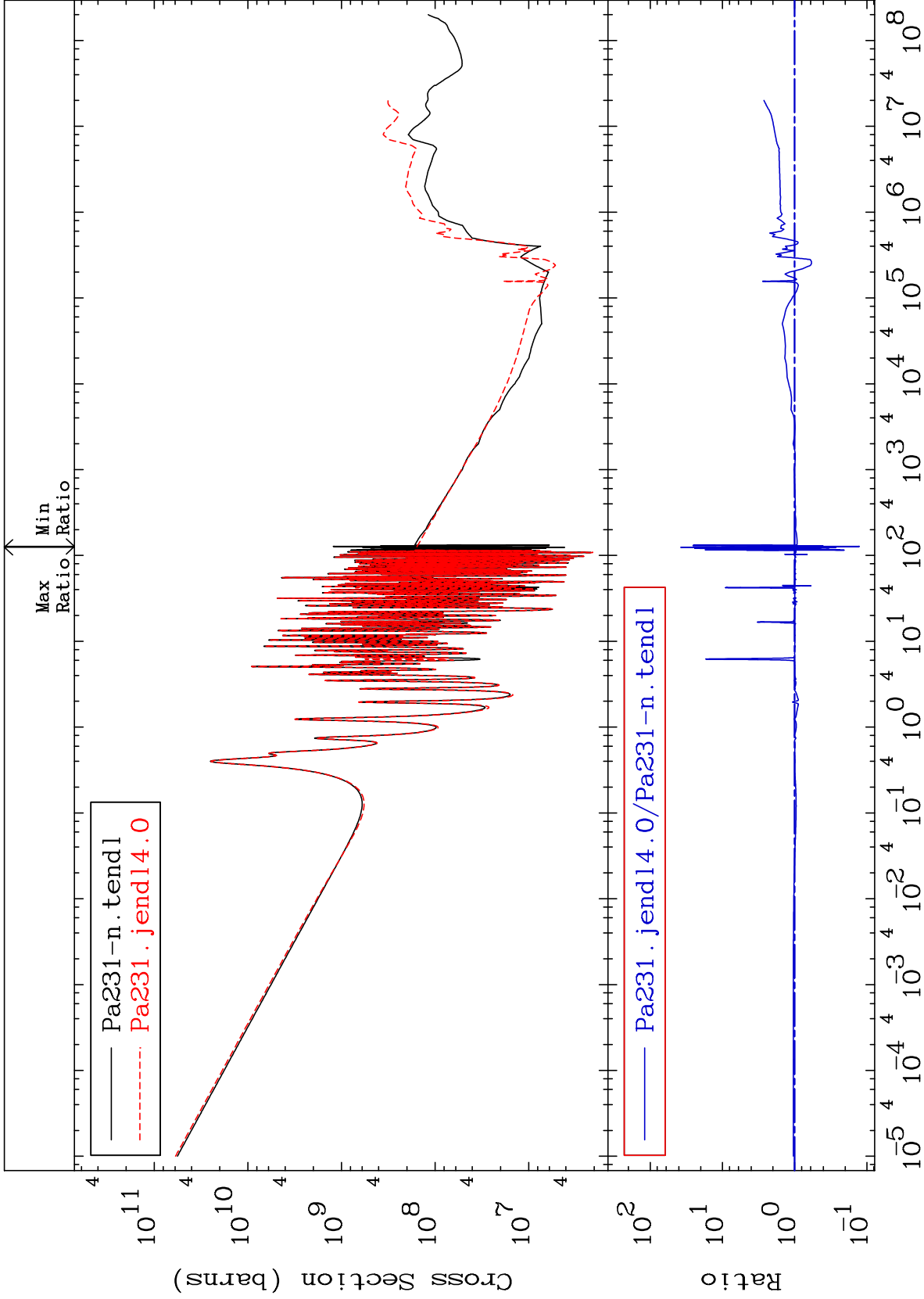
91-Pa-231

MAT 9131

(n, γ)
Cross Section

91-Pa-231
-87.28 To 3751. %

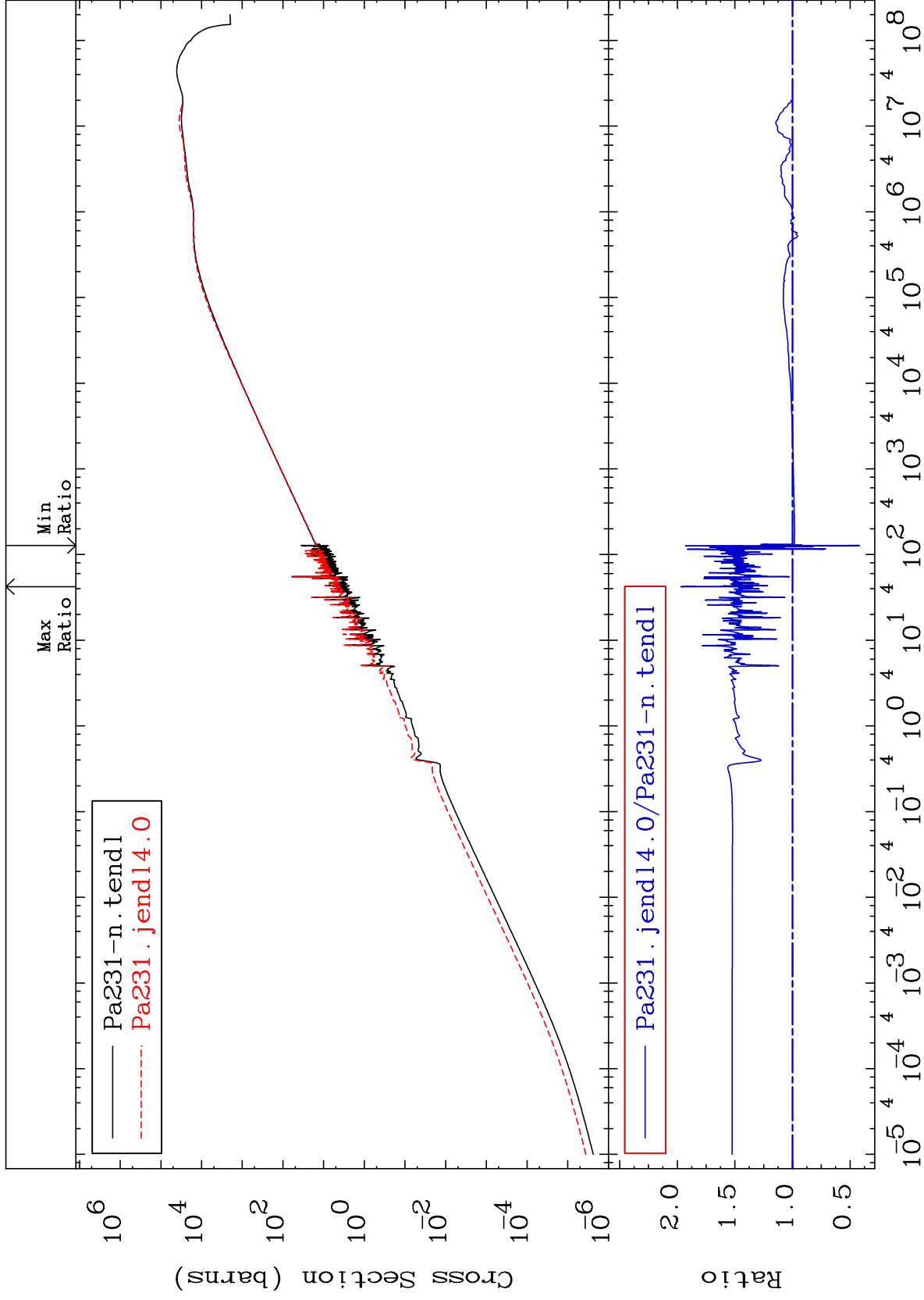


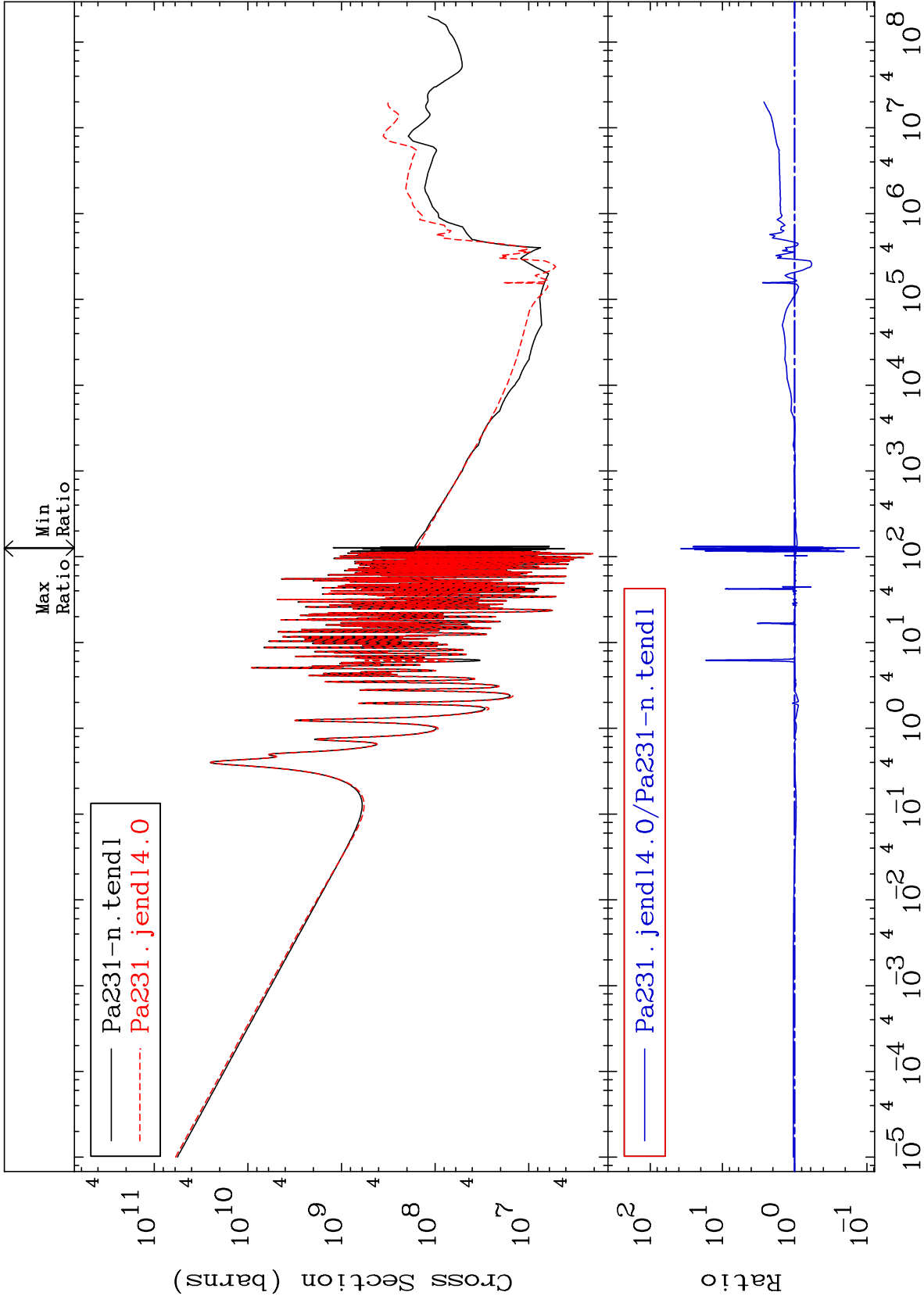


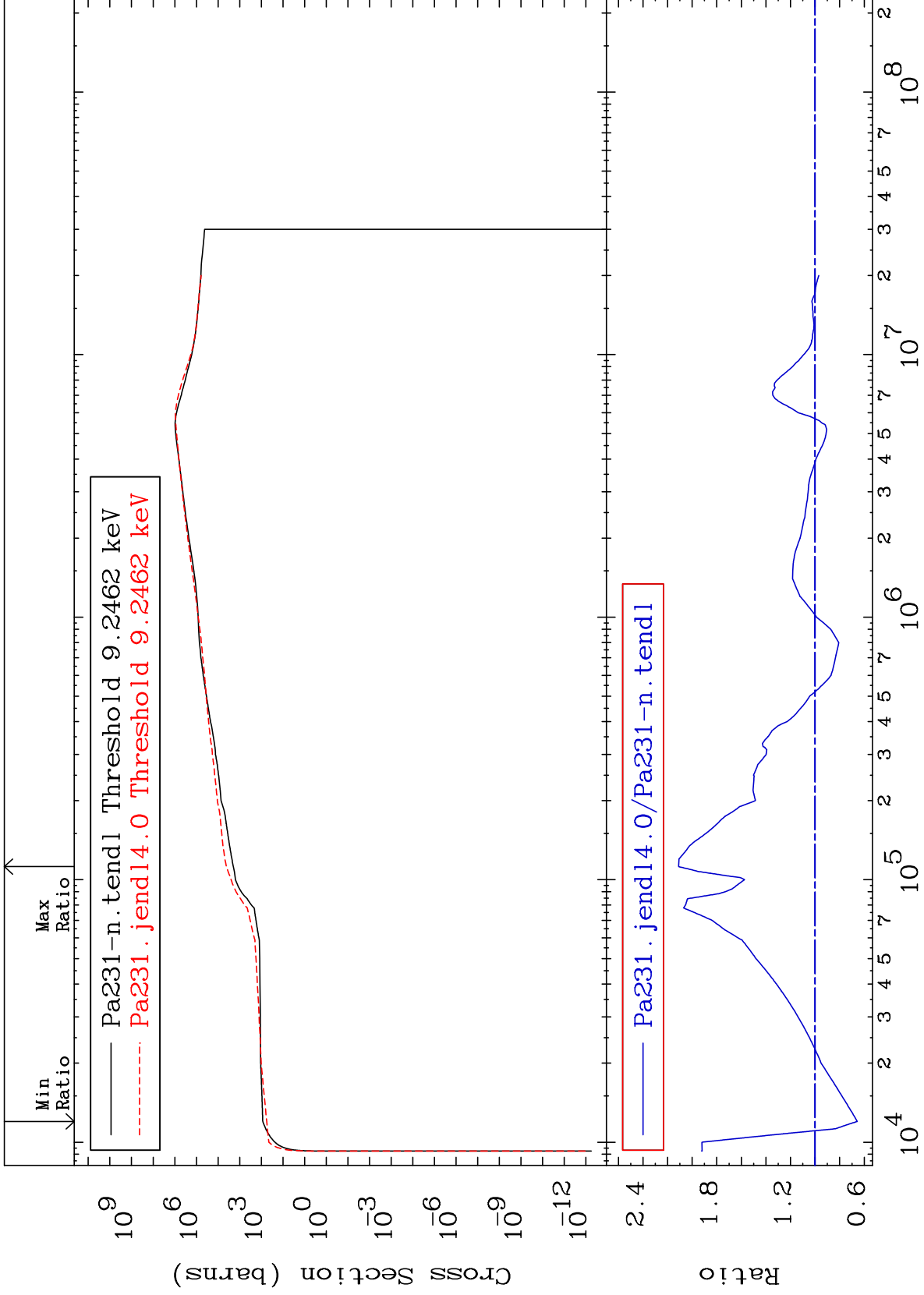
MAT 9131

Kerma elastic
Cross Section

91-Pa-231
-58.22 To 97.00 %



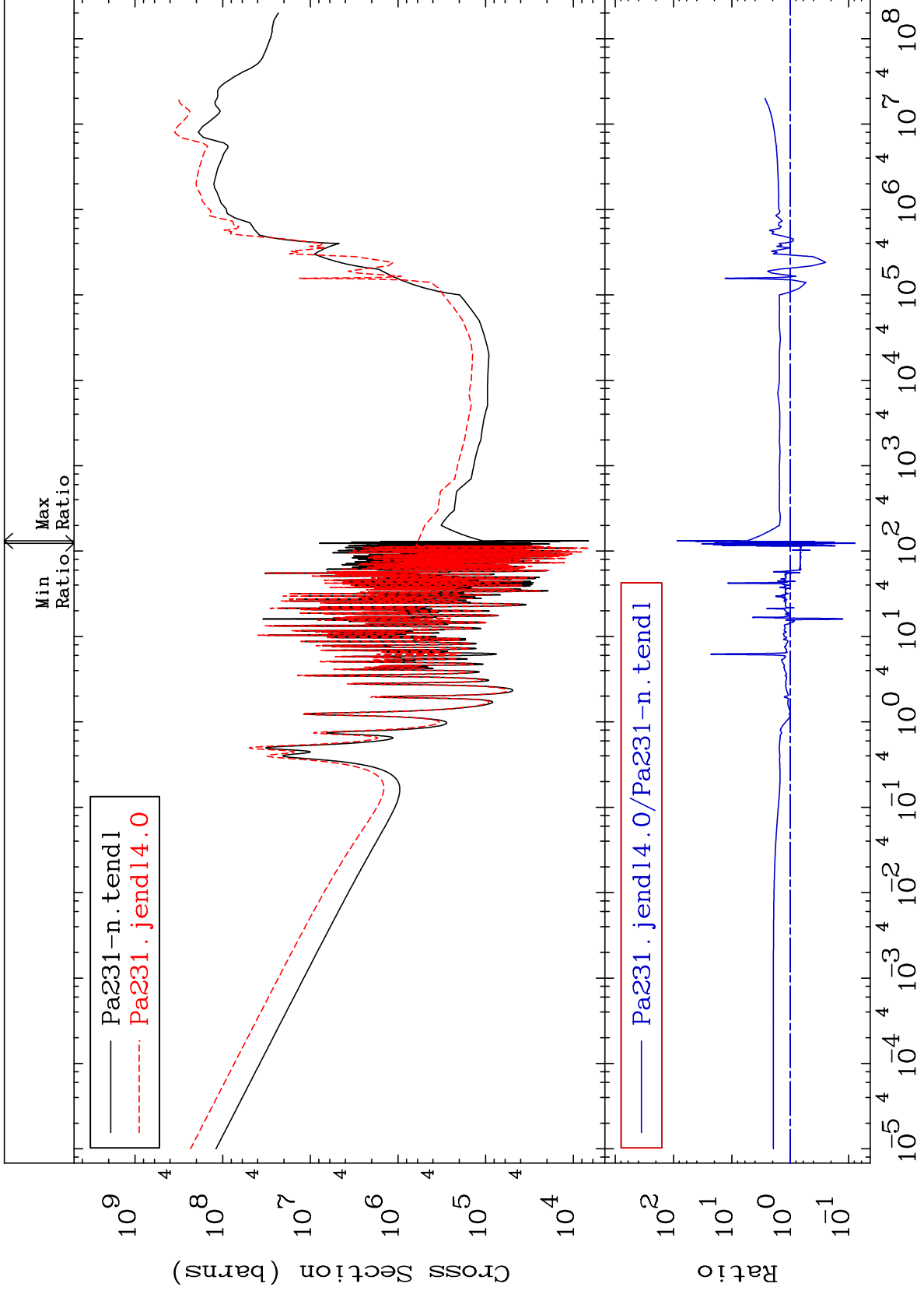


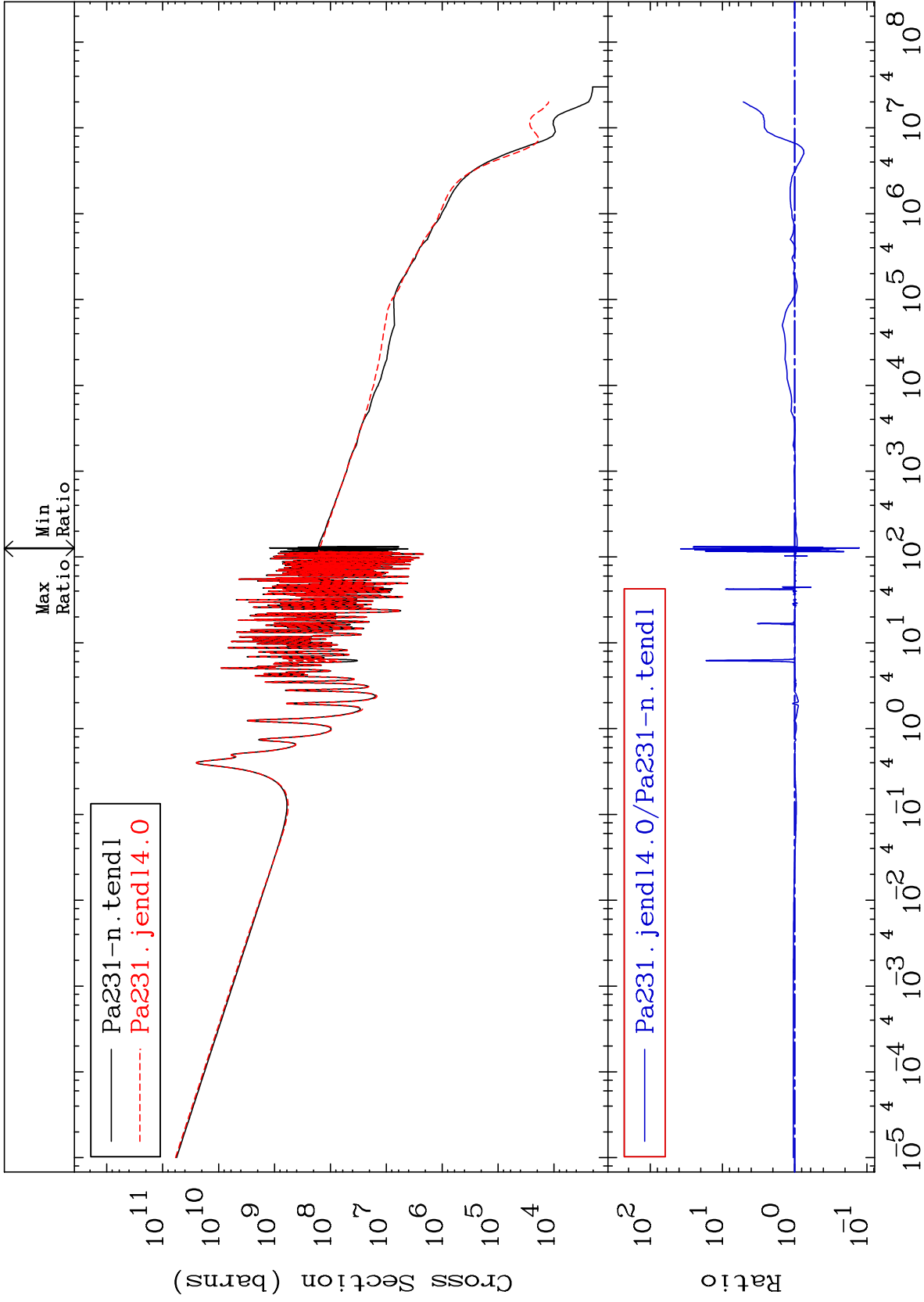


MAT 9131

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

91-Pa-231
-92.25 To 8665. %



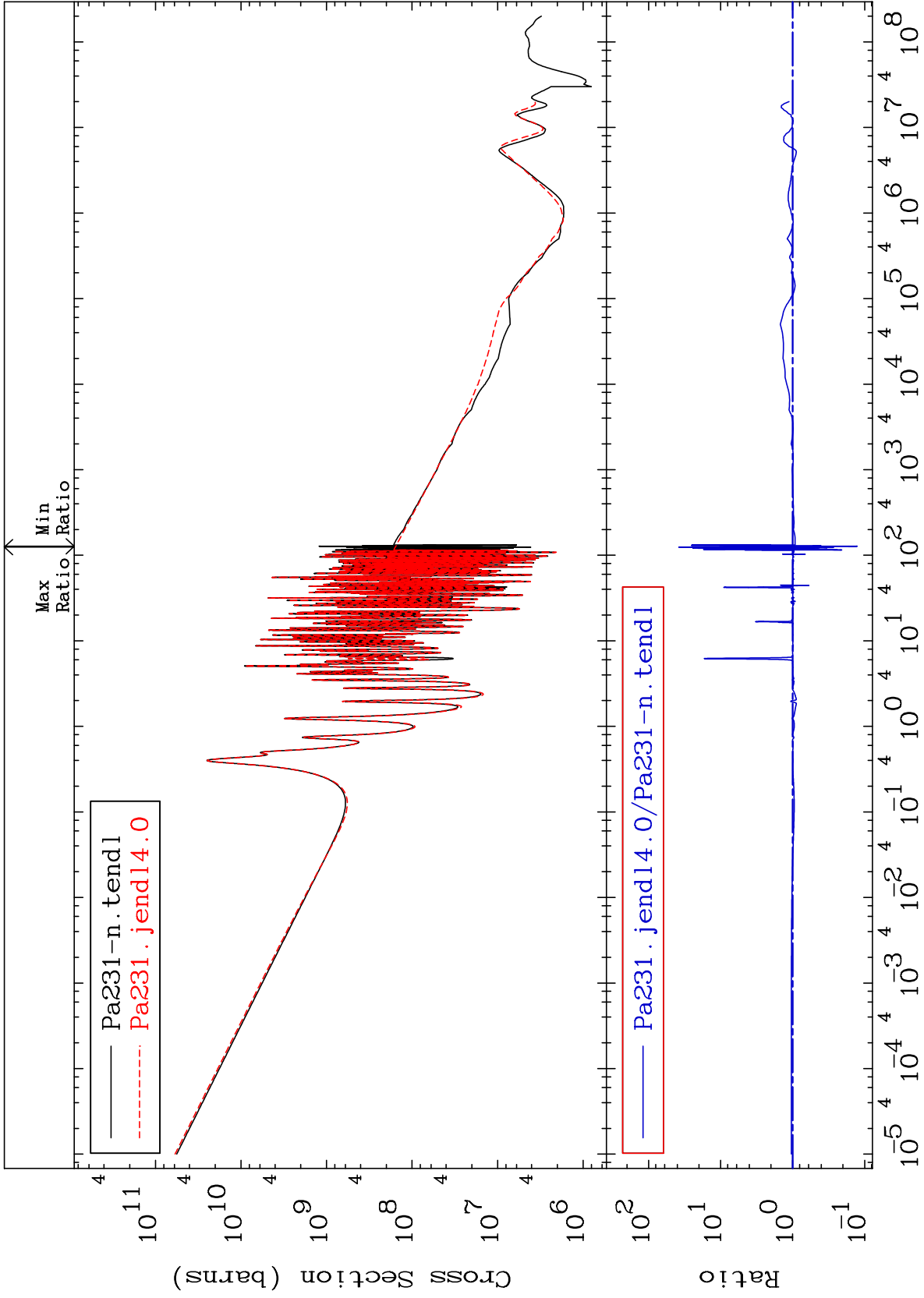


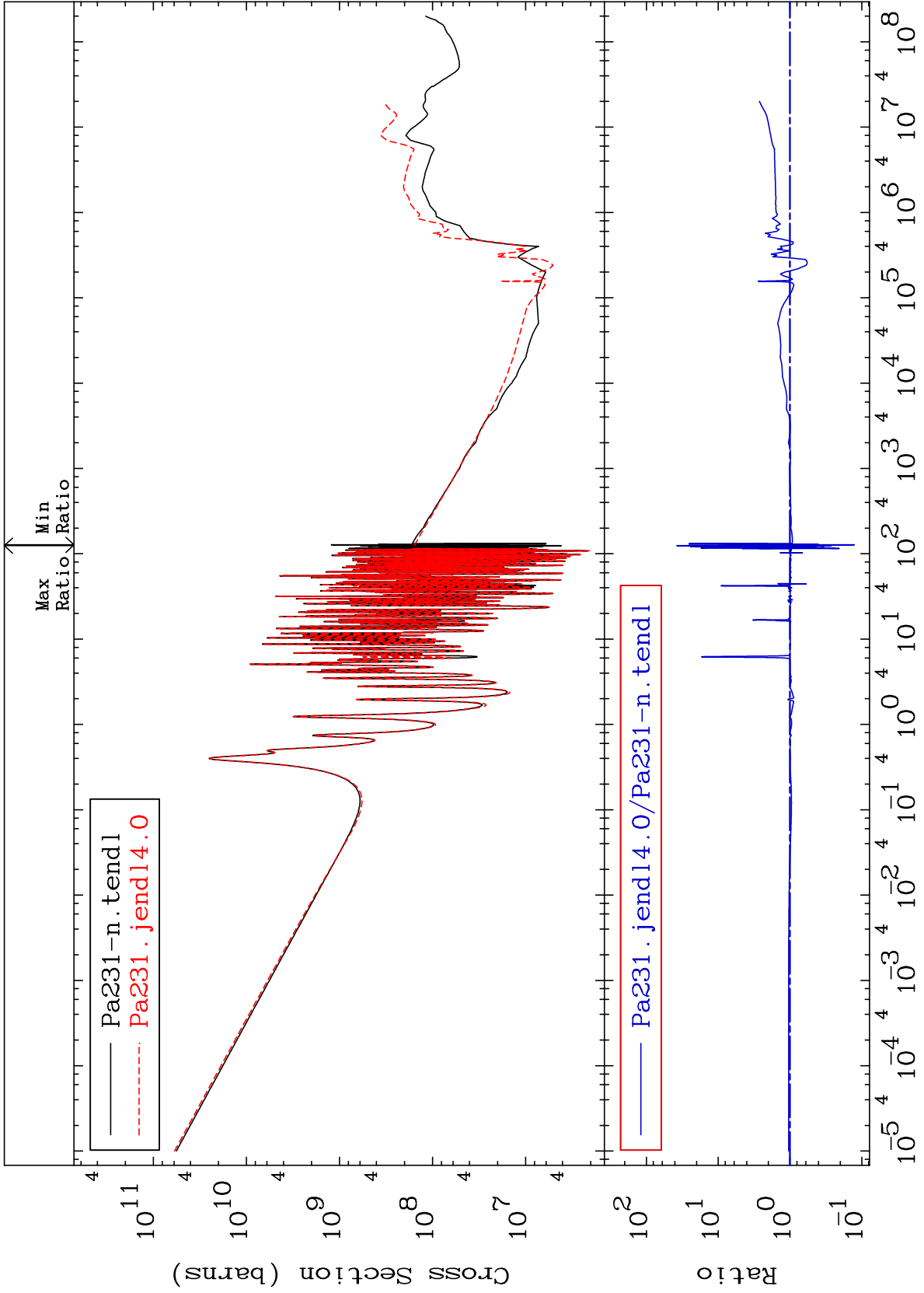
MAT 9131

Total photon (eV-barns)

91-Pa-231

-87.33 To 3737. %





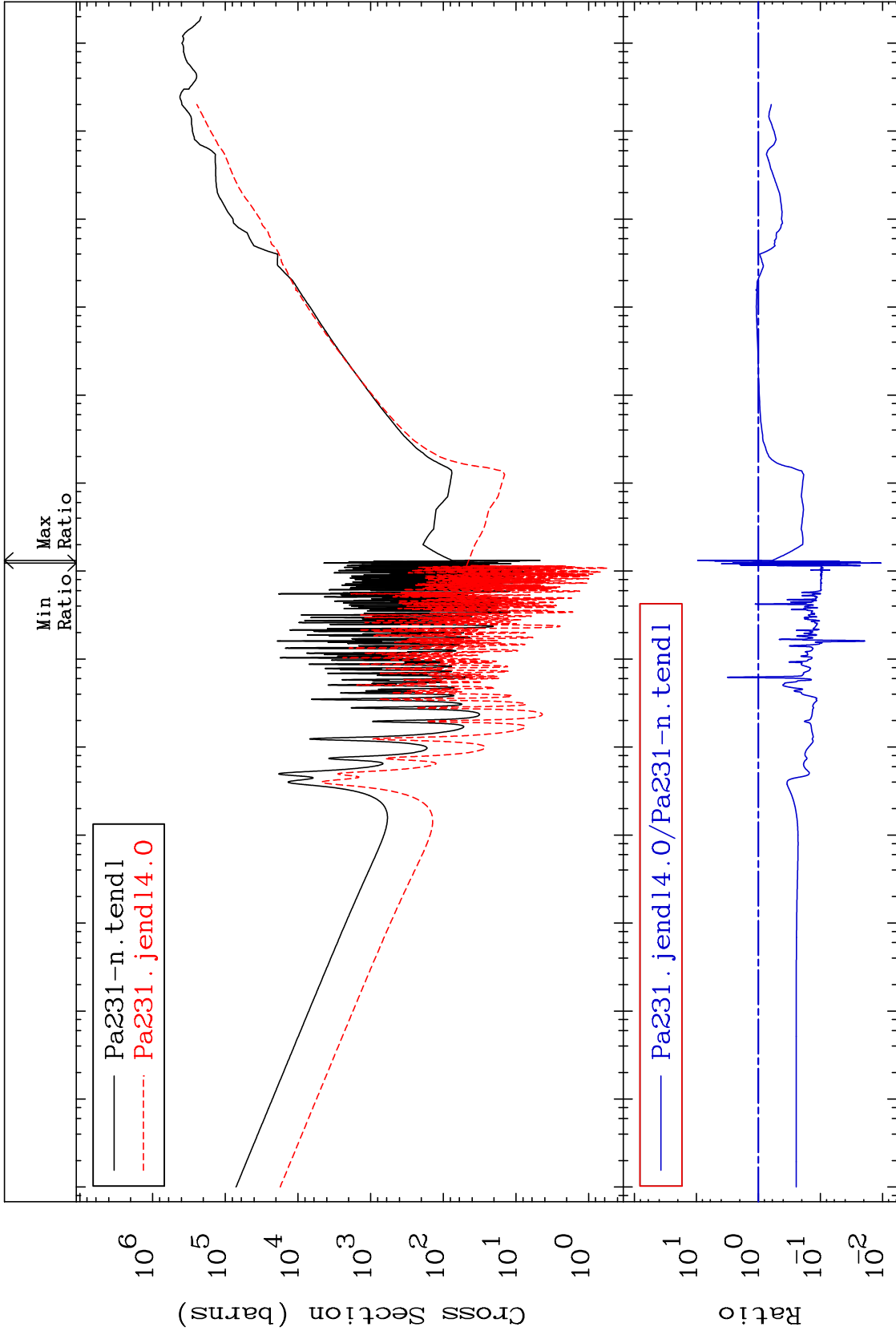
MAT 9131

Dpa total (eV-barns)

91-Pa-231

Cross Section

-98.95 To 861.4 %



51

Incident Energy (eV)

91-Pa-231

