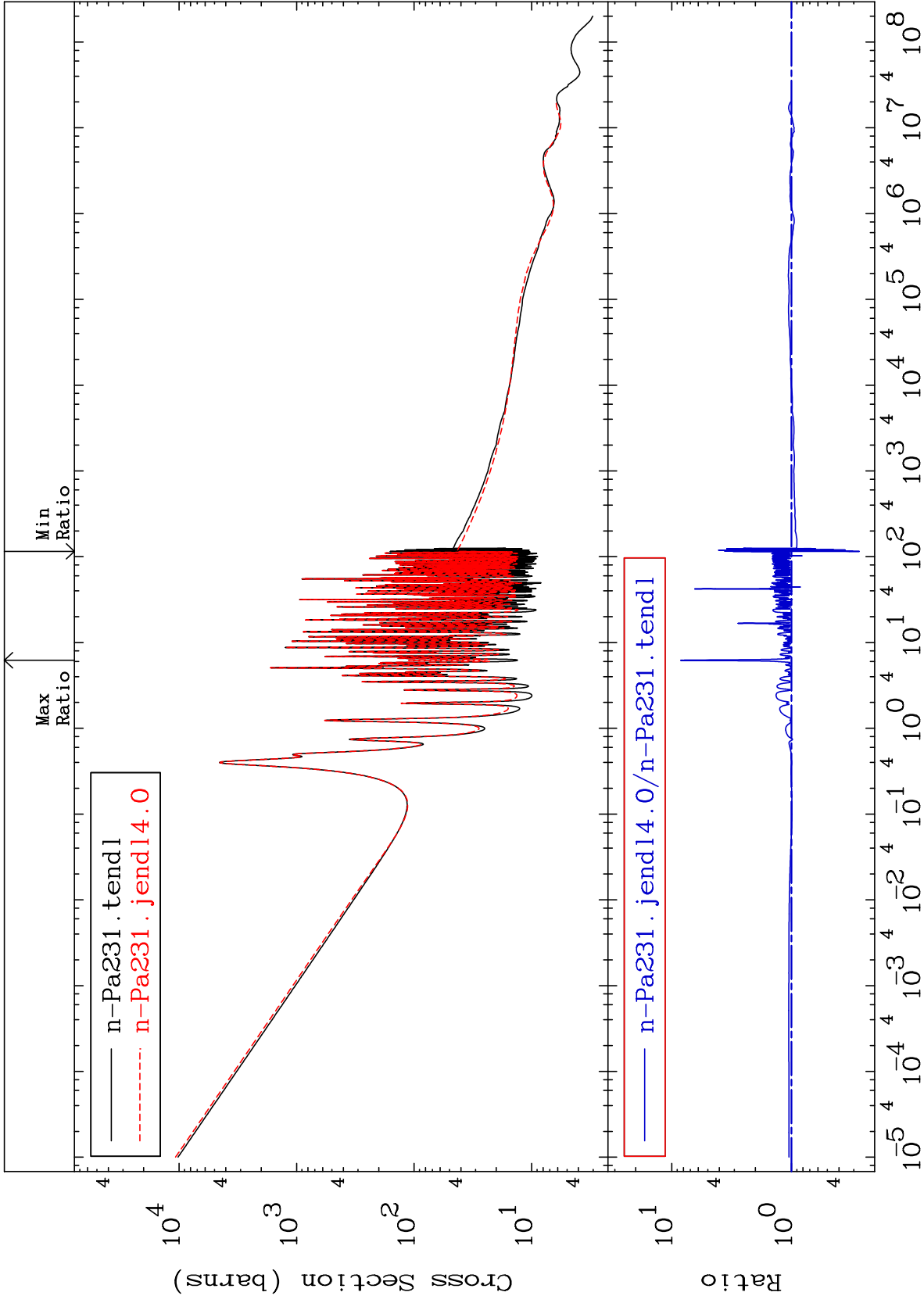


MAT 9131

Total
Cross Section

91-Pa-231
-73.03 To 747.9 %

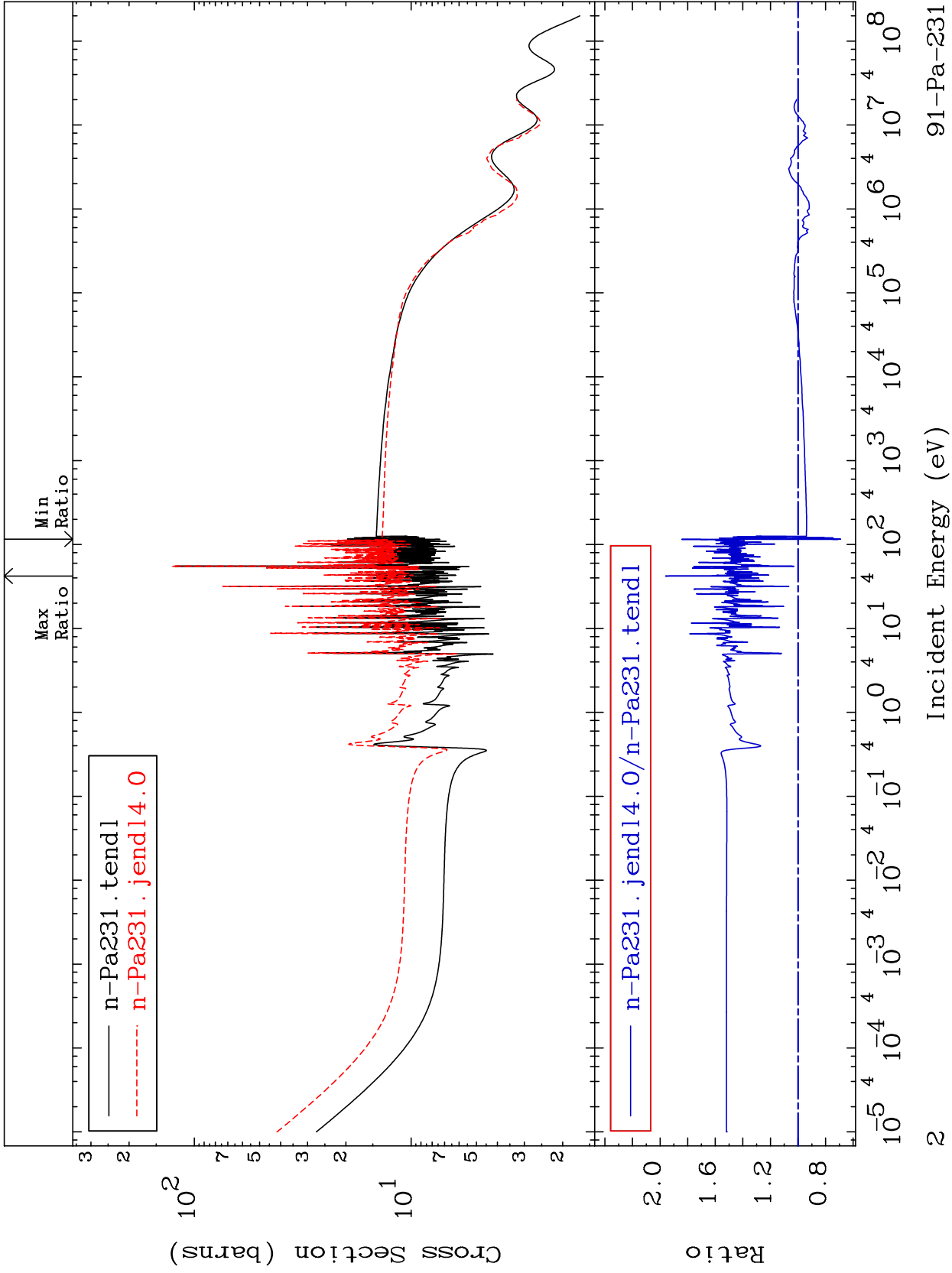


Incident Energy (eV)

91-Pa-231

MAT 9131

Elastic Cross Section
91-Pa-231
-30.92 To 96.05 %

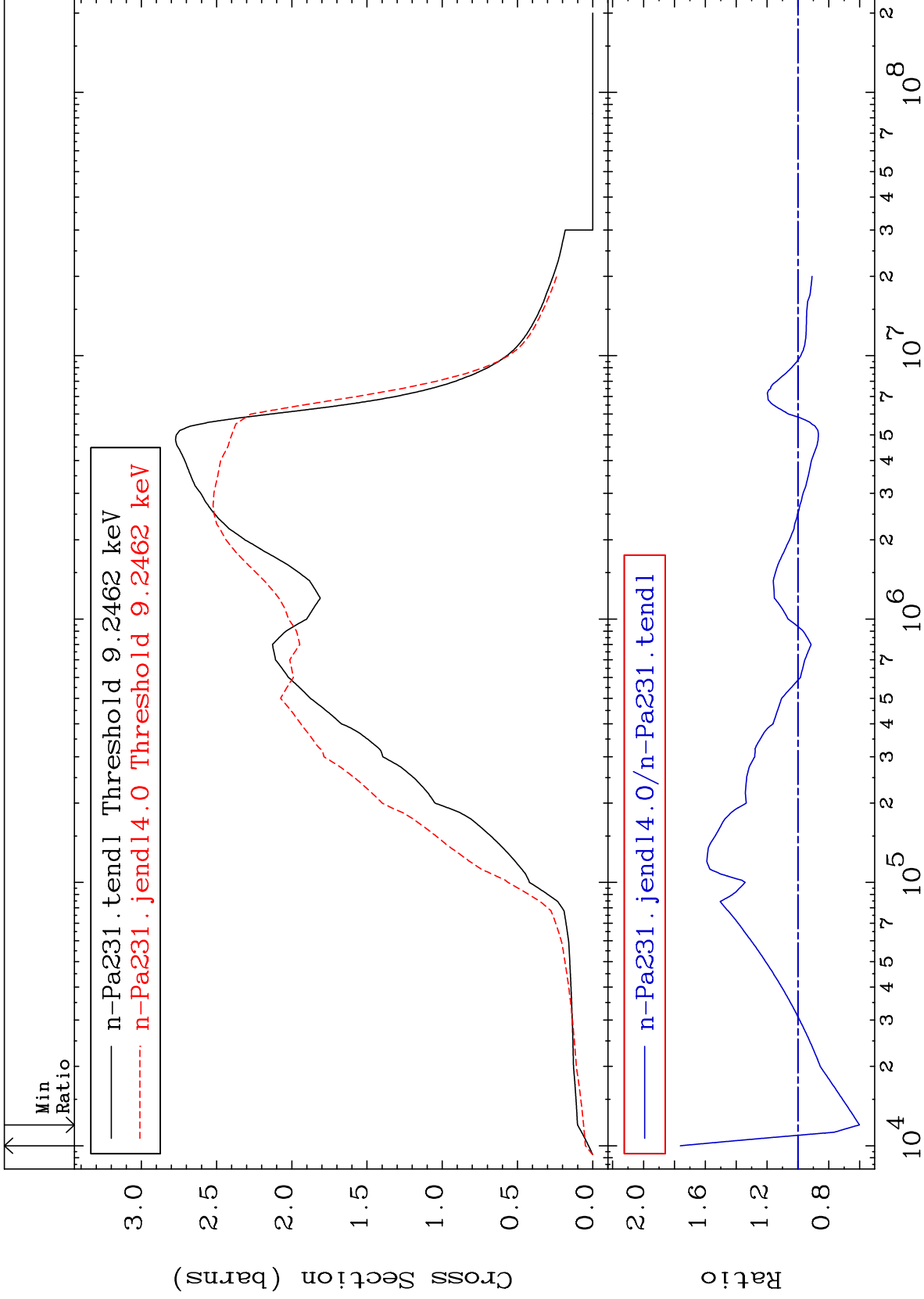


91-Pa-231

MAT 9131

Inelastic
Cross Section

91-Pa-231
-39.84 To 76.13 %



Incident Energy (eV)

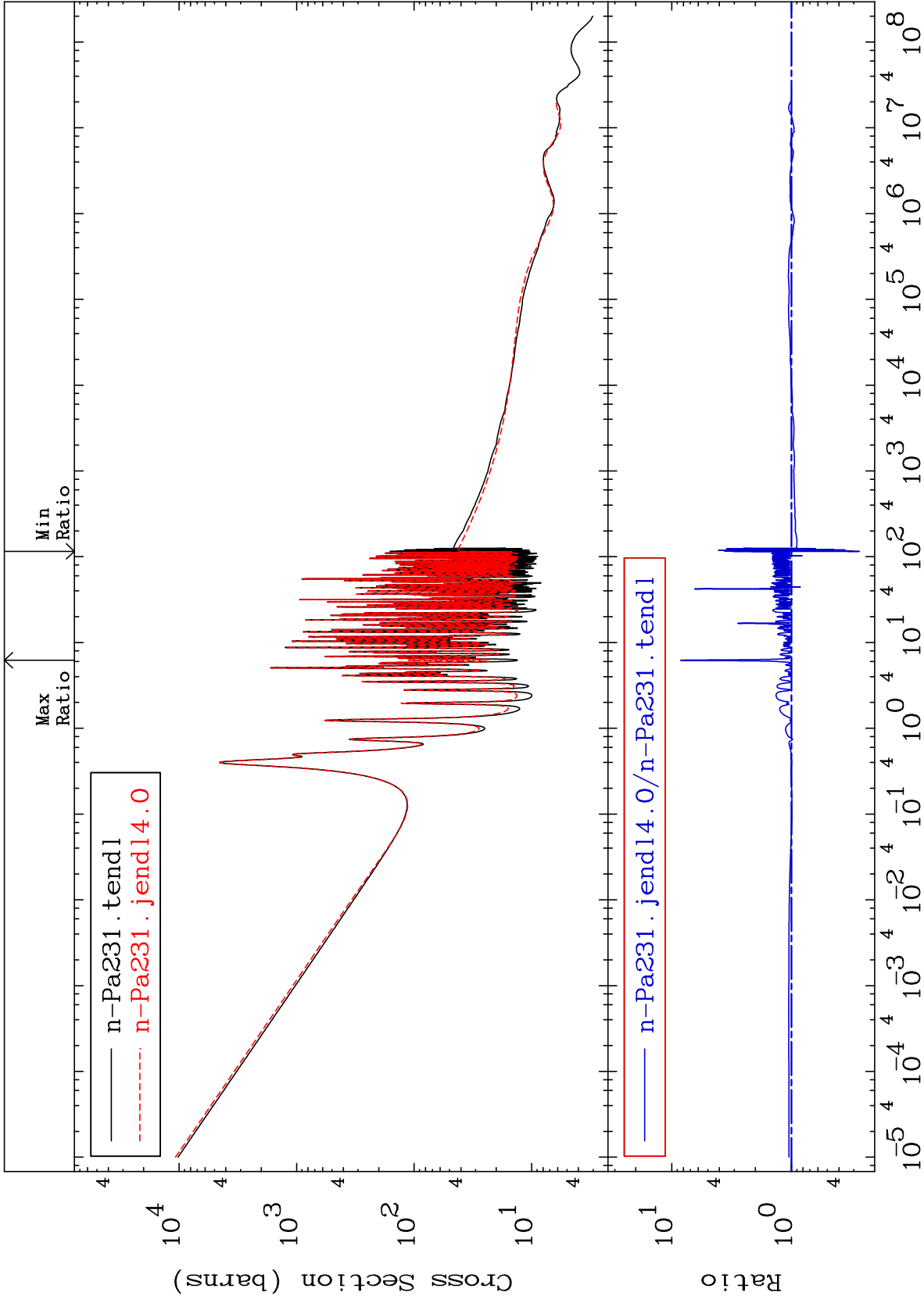
91-Pa-231

3

MAT 9131

Total
Cross Section

91-Pa-231
-73.03 To 747.9 %

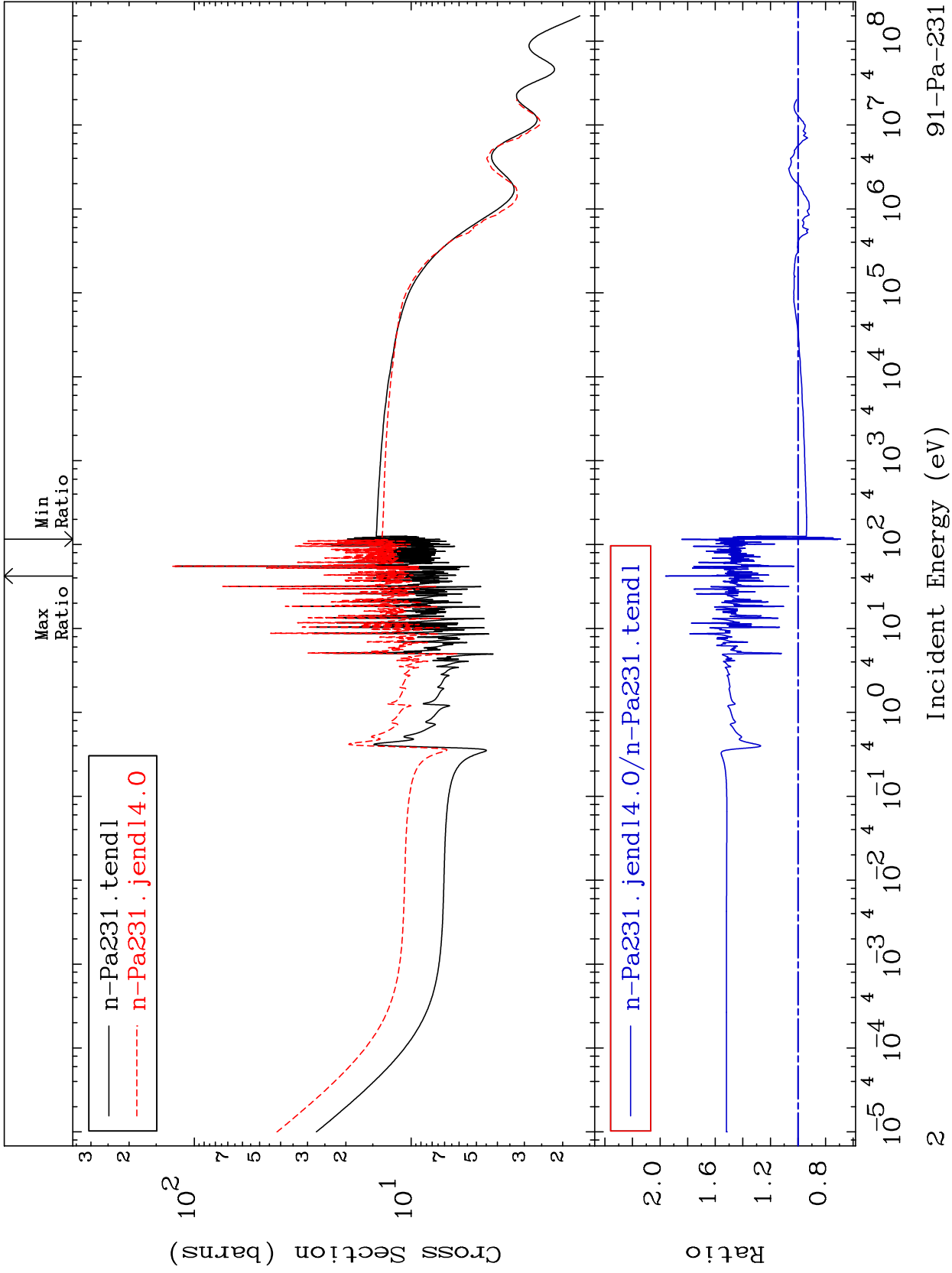


Incident Energy (eV)

91-Pa-231

MAT 9131

Elastic Cross Section
91-Pa-231
-30.92 To 96.05 %

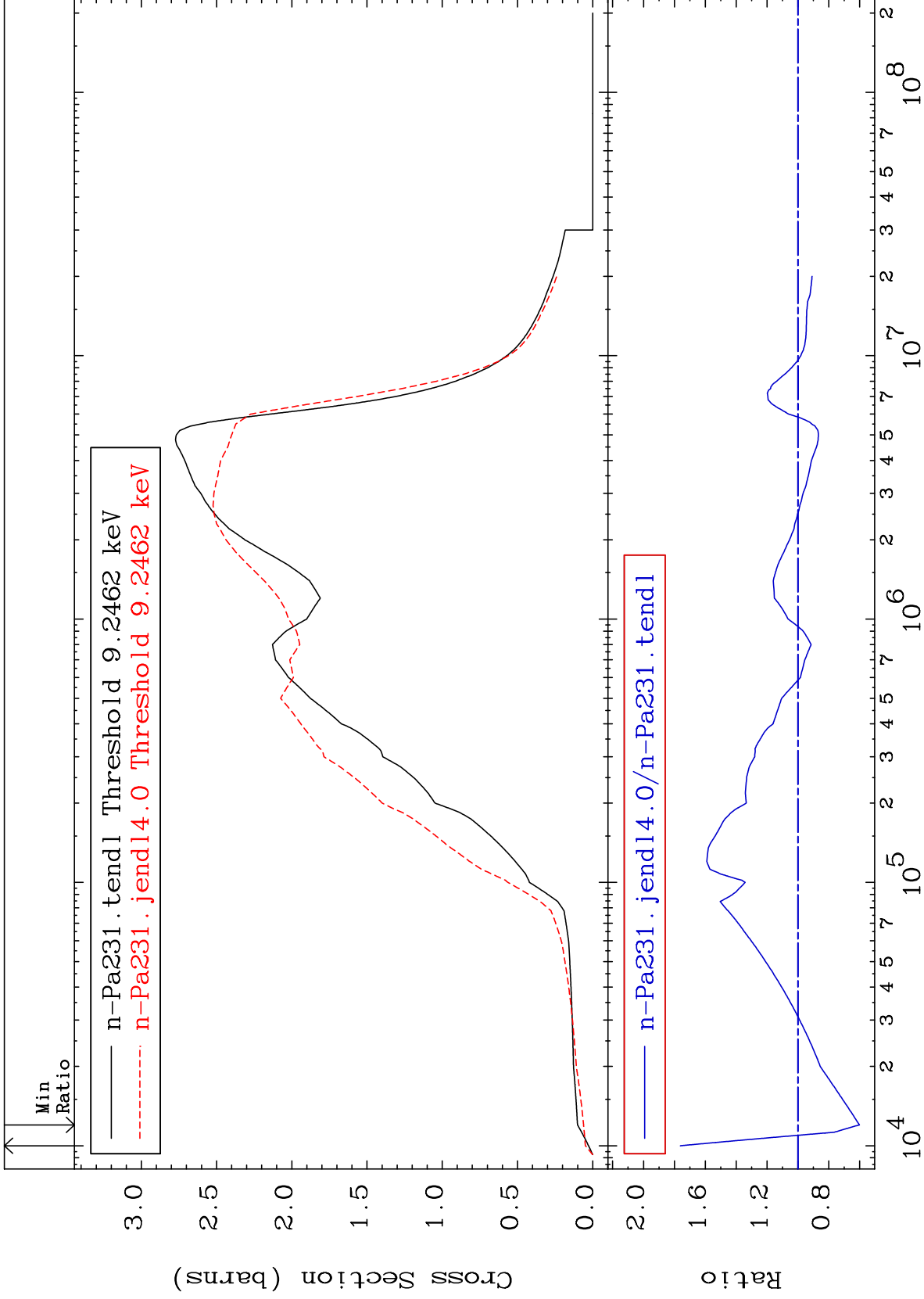


91-Pa-231

MAT 9131

Inelastic
Cross Section

91-Pa-231
-39.84 To 76.13 %



Incident Energy (eV)

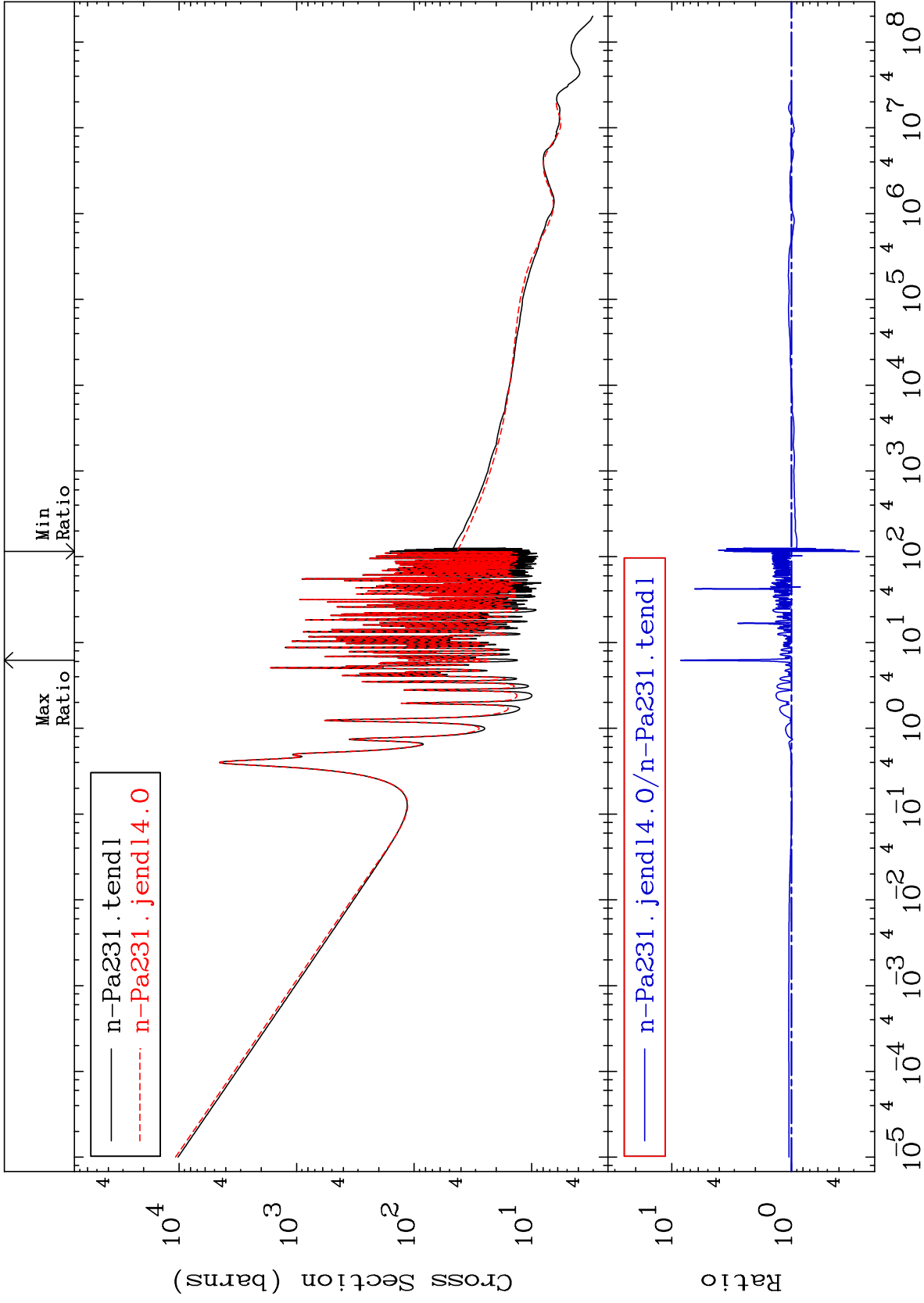
91-Pa-231

3

MAT 9131

Total
Cross Section

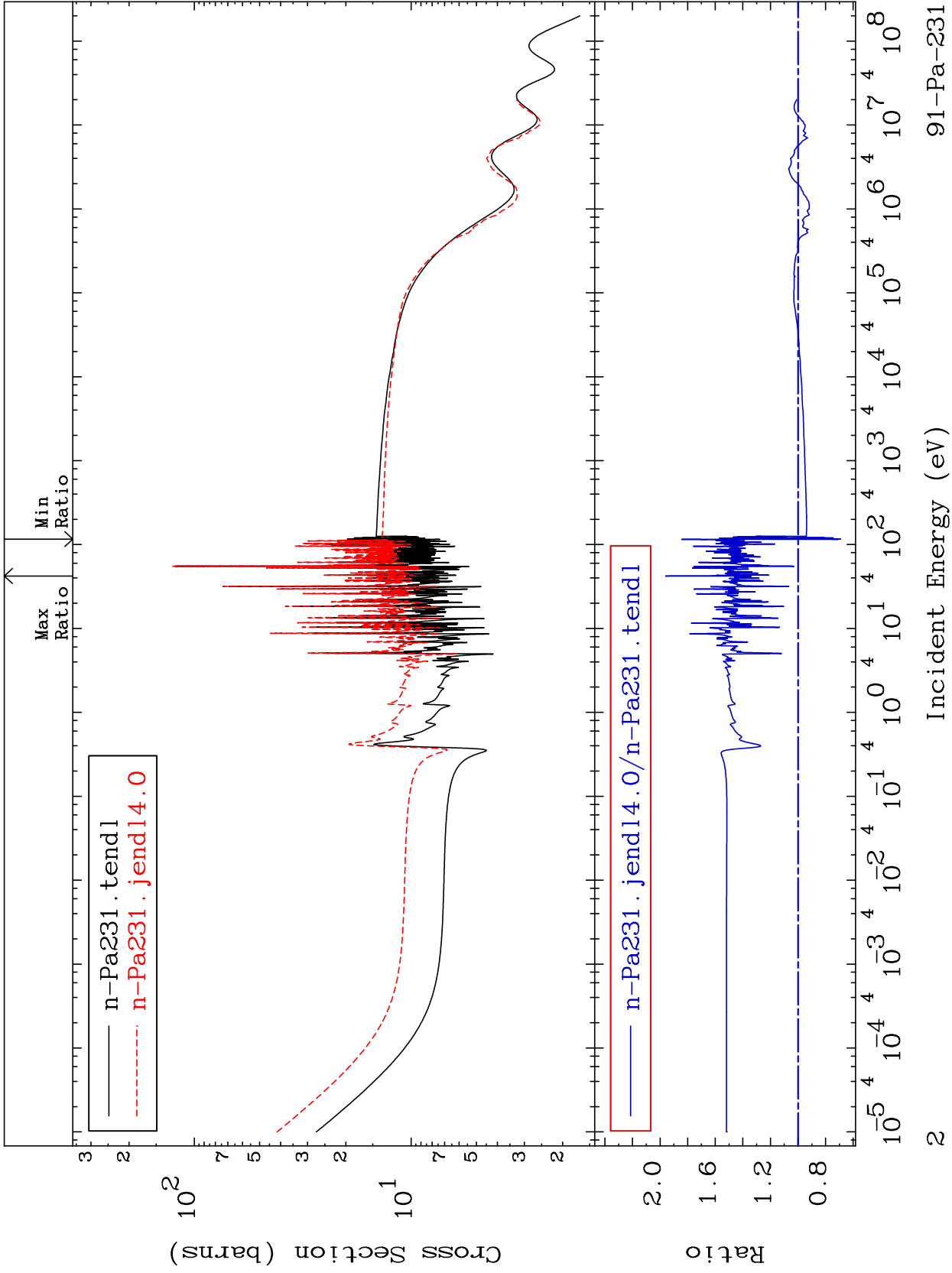
91-Pa-231
-73.03 To 747.9 %



91-Pa-231

MAT 9131

Elastic Cross Section
91-Pa-231
-30.92 To 96.05 %

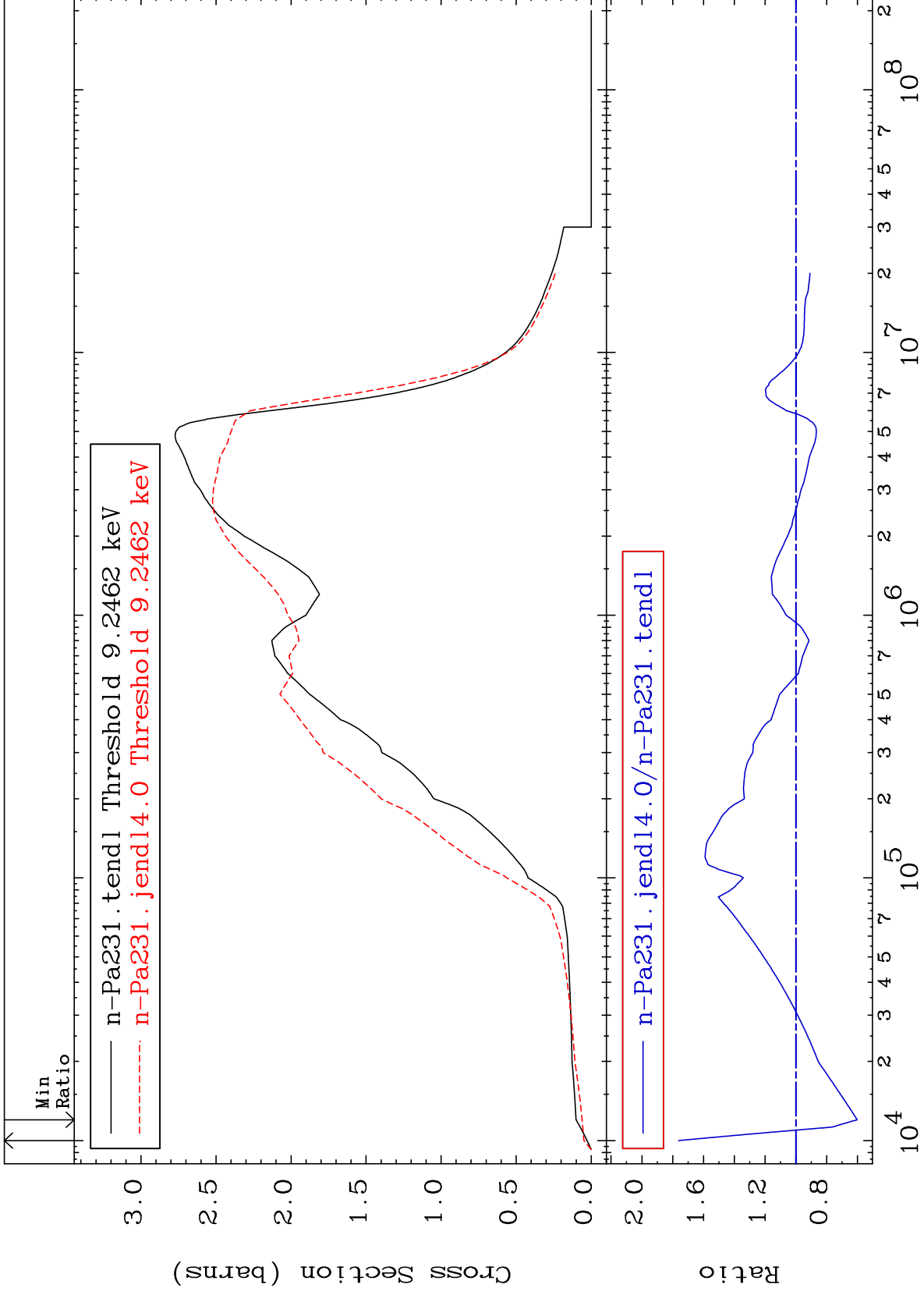


91-Pa-231

MAT 9131

Inelastic
Cross Section

91-Pa-231
-39.84 To 76.13 %



Incident Energy (eV)

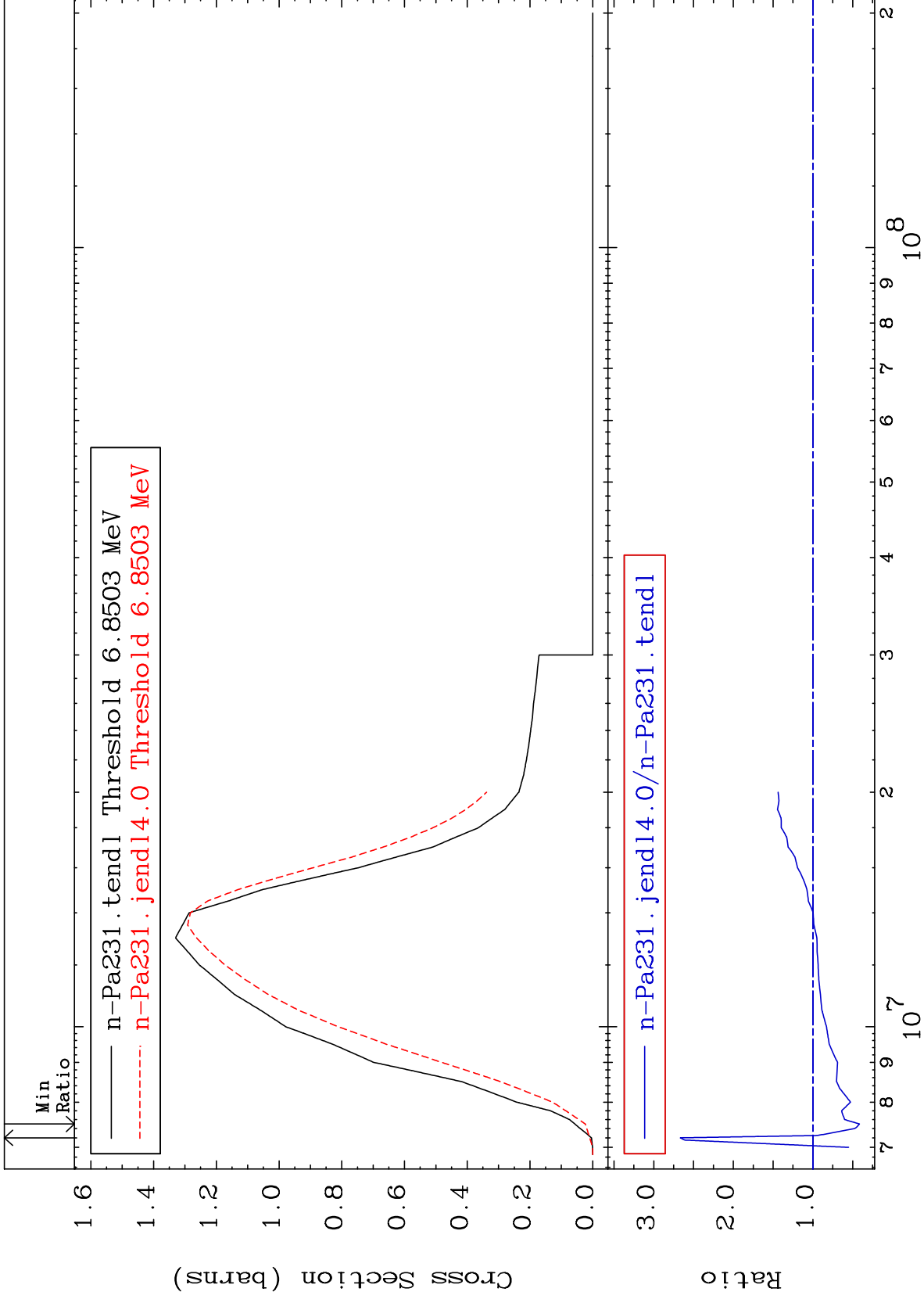
91-Pa-231

3

MAT 9131

(n,2n)
Cross Section

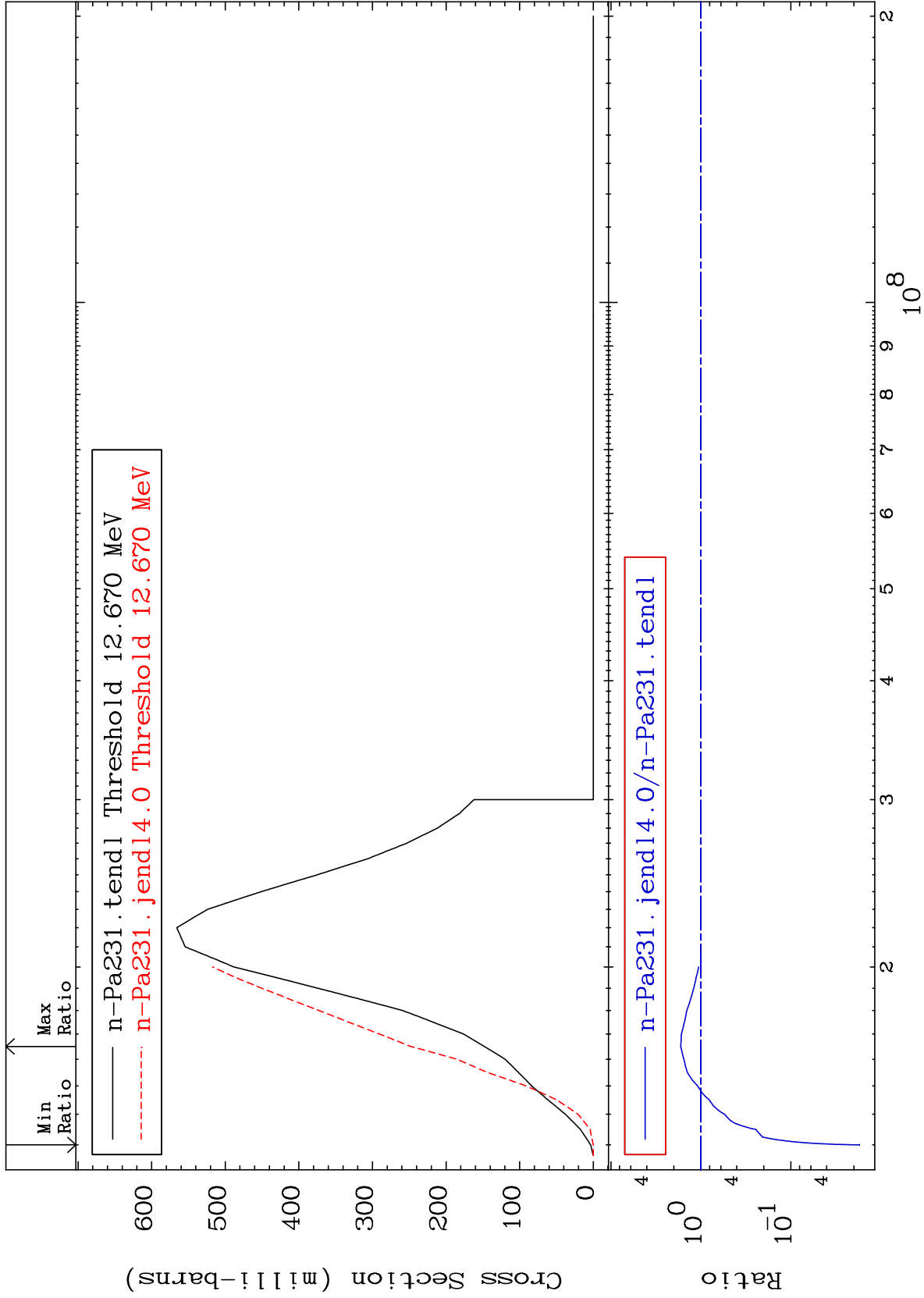
91-Pa-231
-58.49 To 166.6 %



4

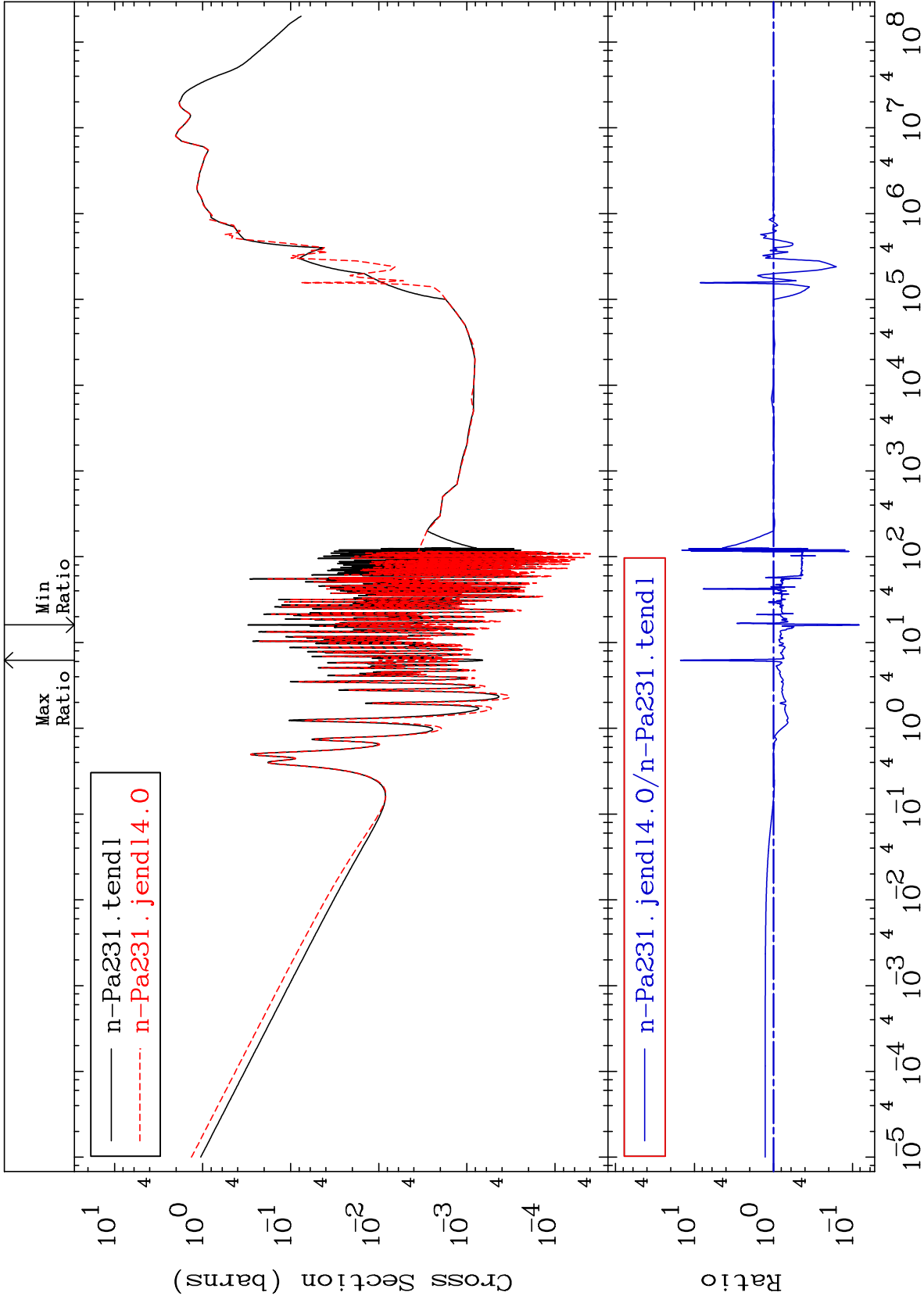
Incident Energy (eV)

91-Pa-231



MAT 9131

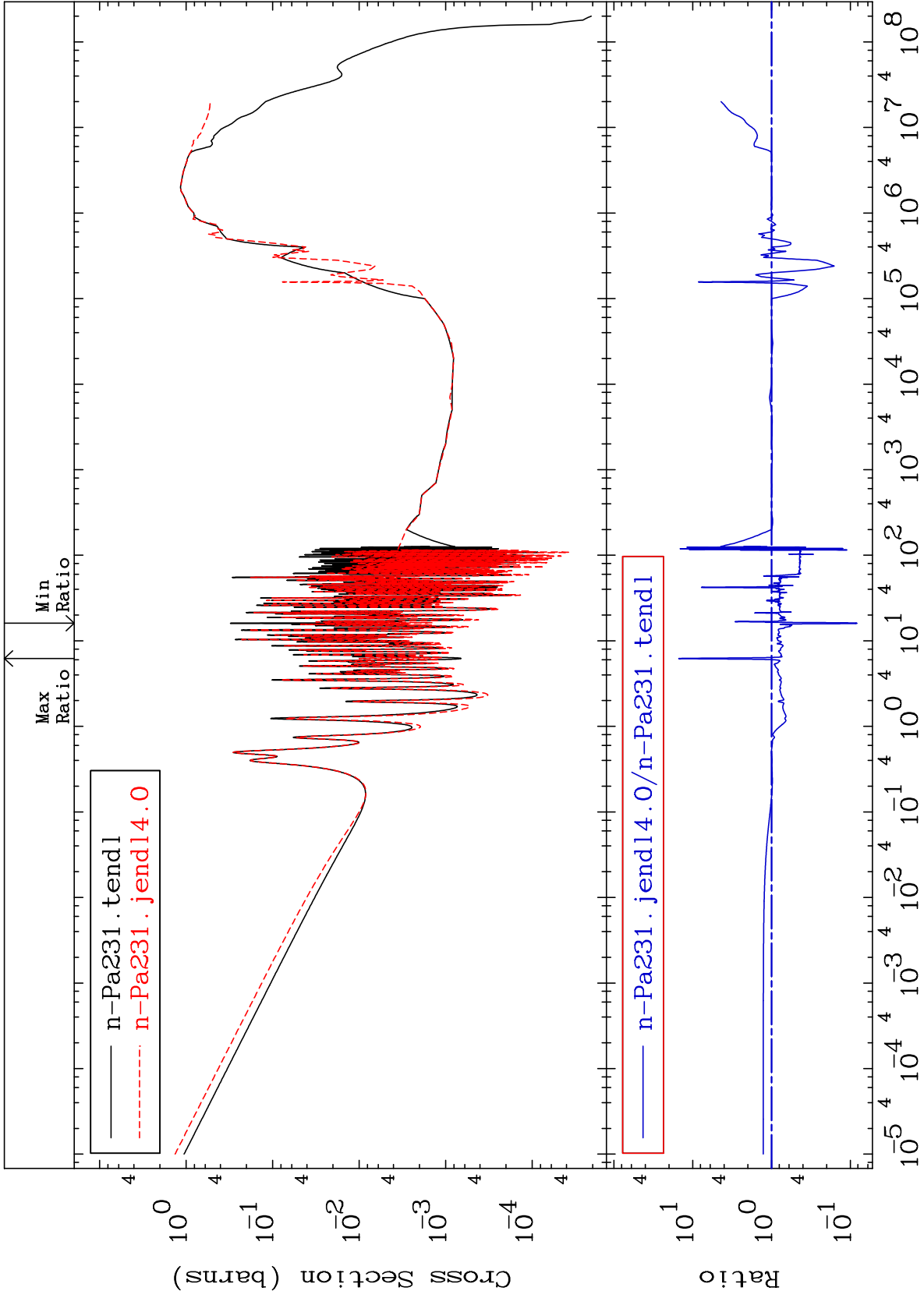
Fission Cross Section
91-Pa-231
-91.84 To 1411. %



MAT 9131

(n, f) First Chance
Cross Section

91-Pa-231
-91.84 To 1411. %



7

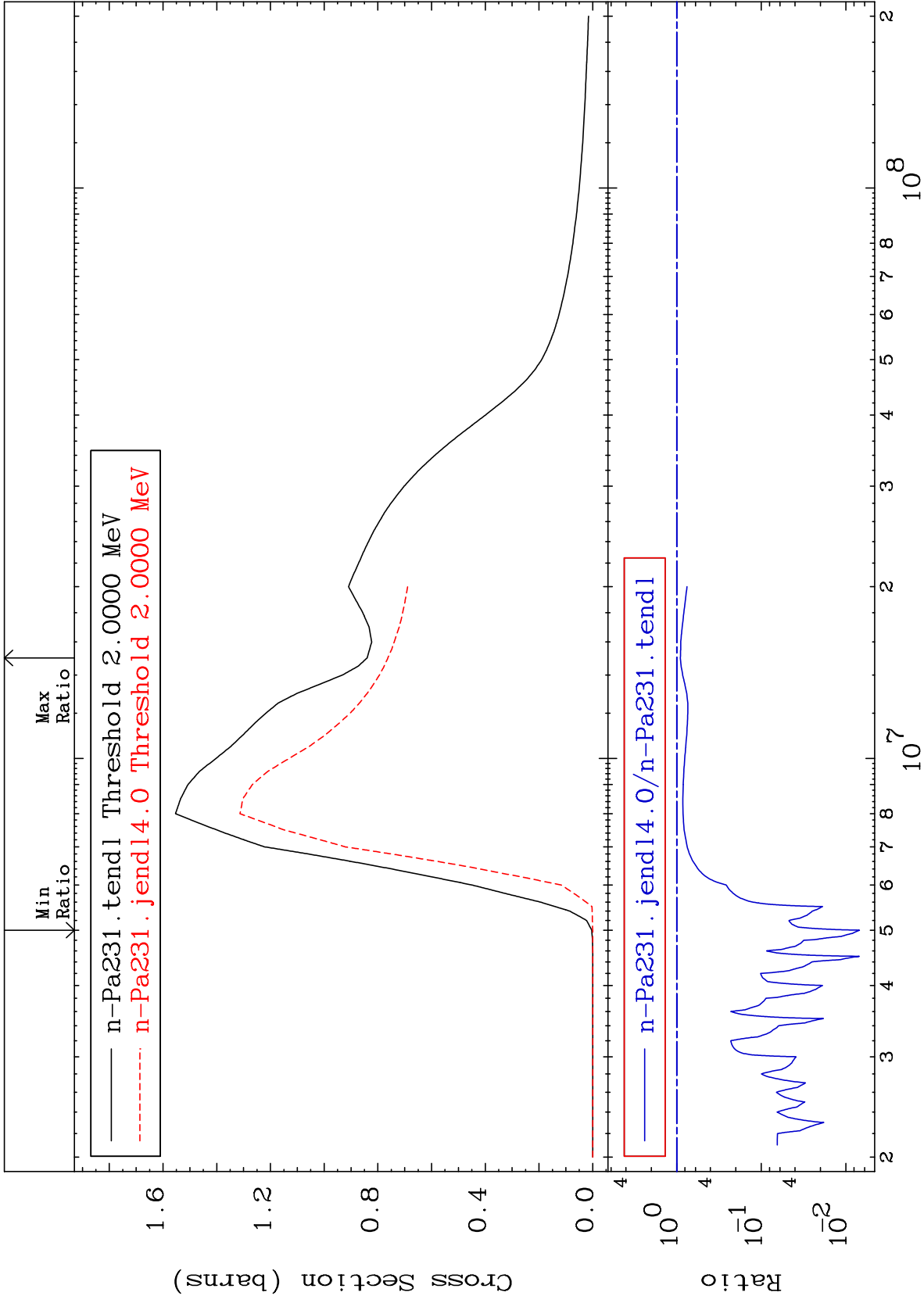
Incident Energy (eV)

91-Pa-231

MAT 9131

(n, nf) Second Chance
Cross Section

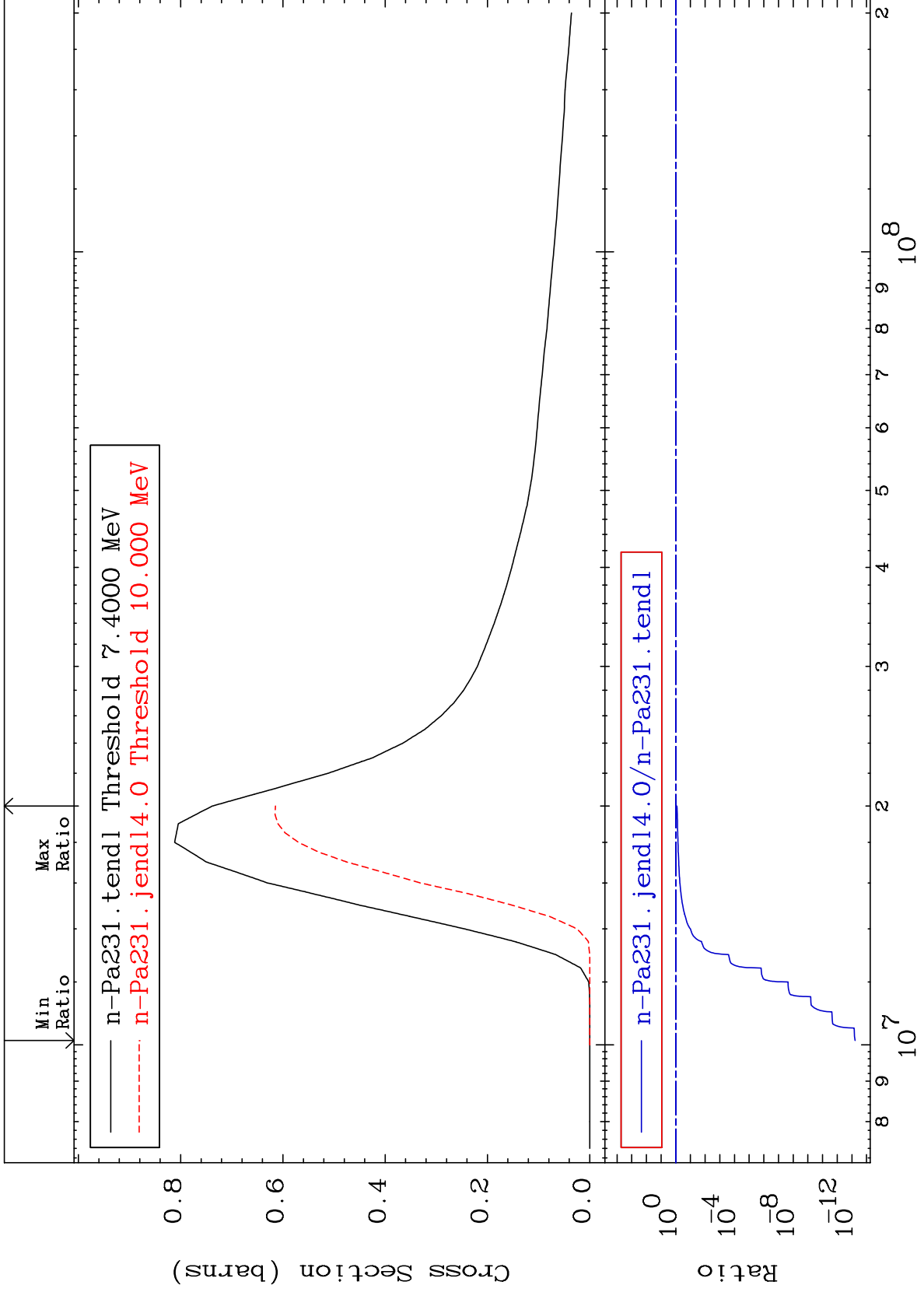
91-Pa-231
-99.31 To -9.213%



MAT 9131

(n,2nf) Third Chance
Cross Section

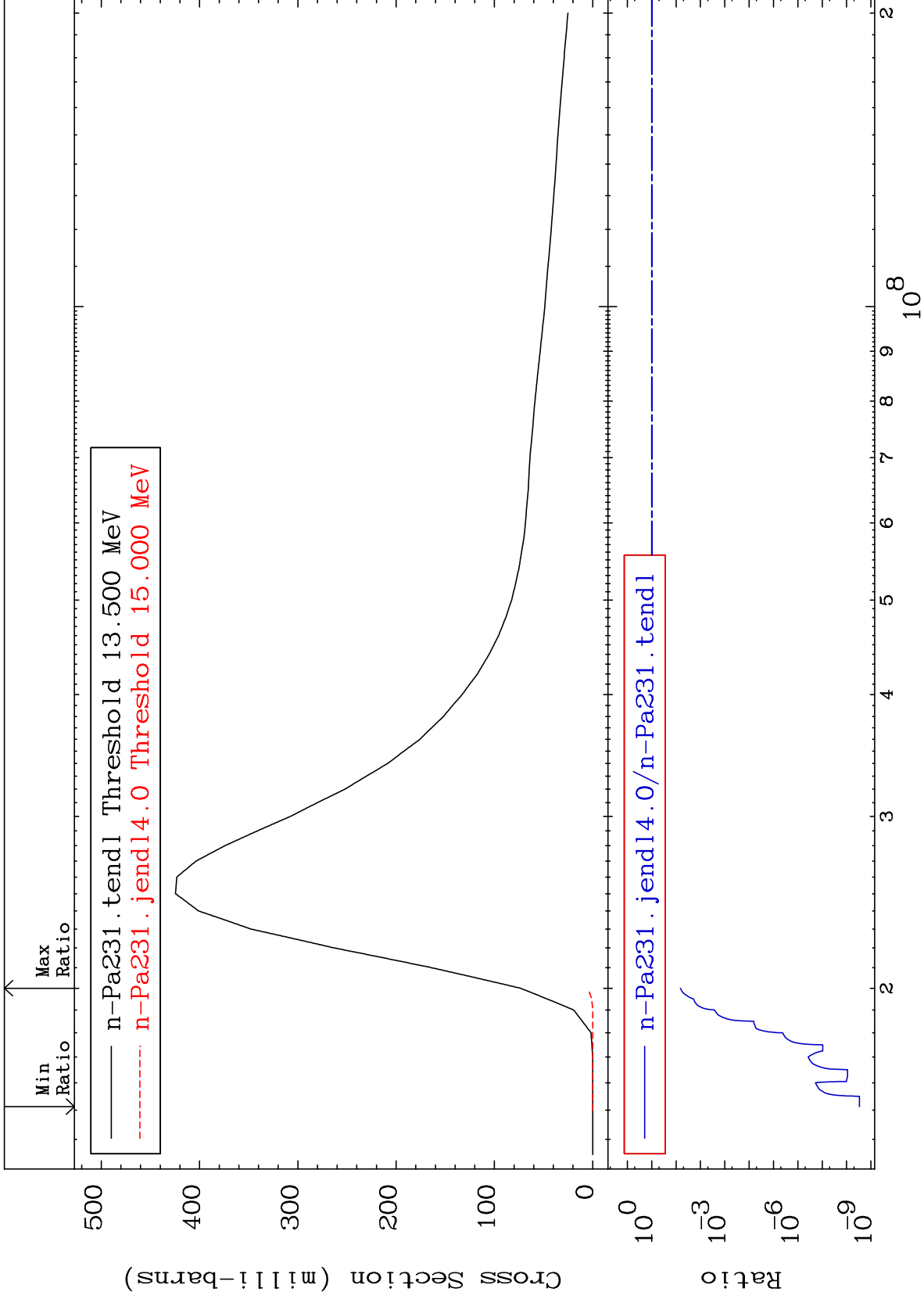
91-Pa-231
-100.0 To -16.73%



MAT 9131

(n,3nf) Fourth Chance
Cross Section

91-Pa-231
-100.0 To -93.34%



10

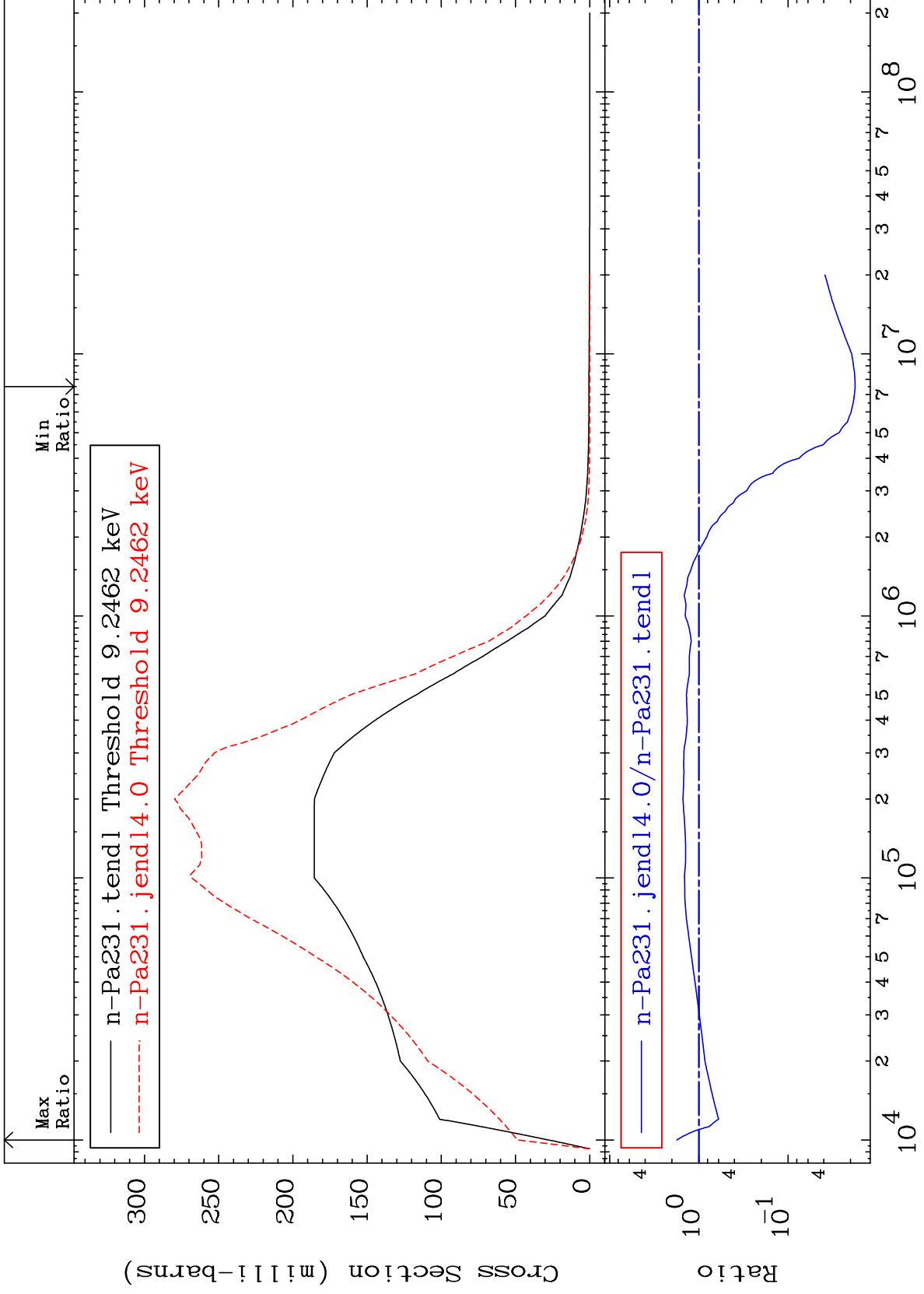
Incident Energy (eV)

91-Pa-231

MAT 9131

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

91-Pa-231
-98.22 To 76.13 %



11

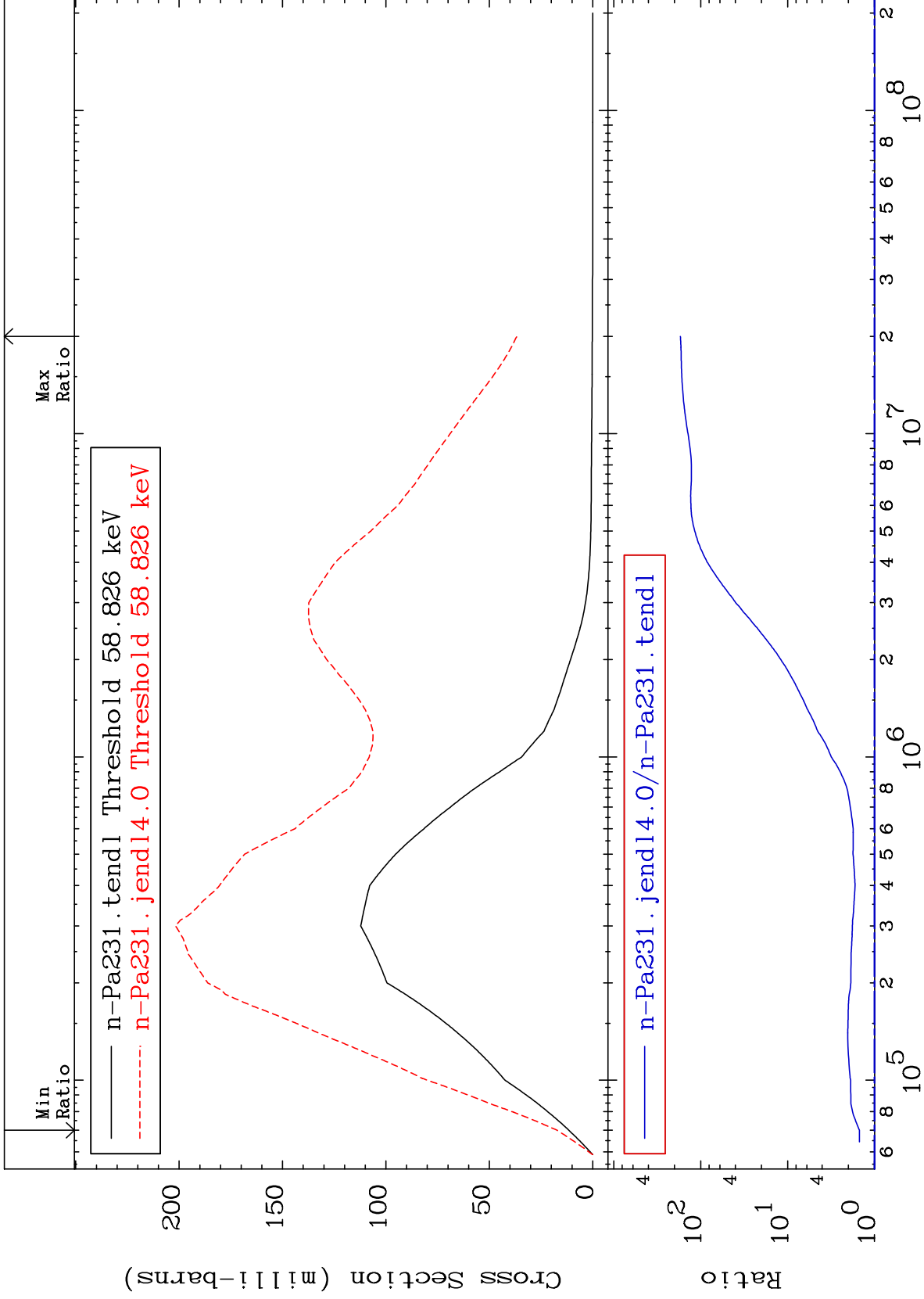
Incident Energy (eV)

91-Pa-231

MAT 9131

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

91-Pa-231
49.22 To 9999. %



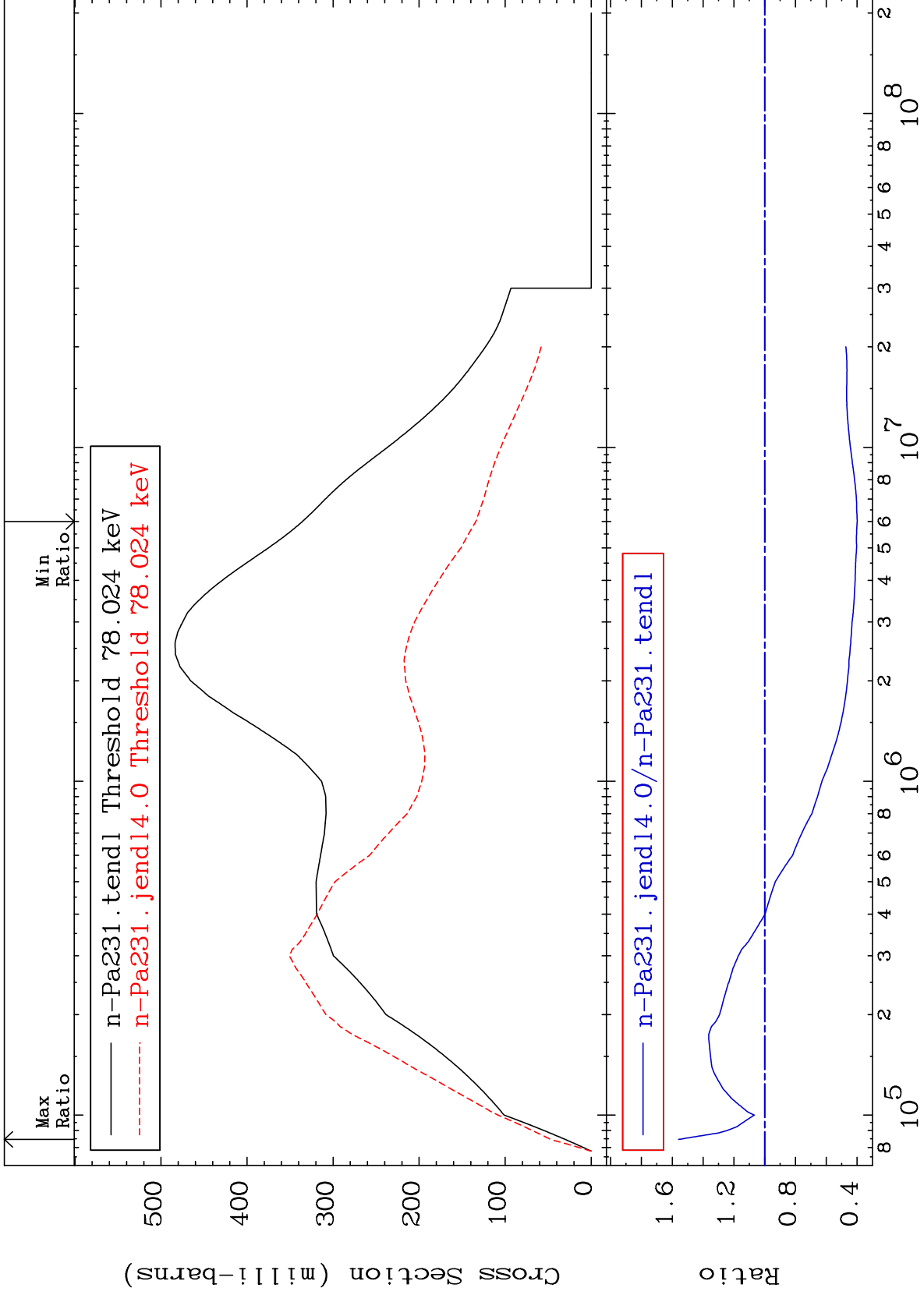
12

91-Pa-231

MAT 9131

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

91-Pa-231
-60.08 To 55.86 %



13

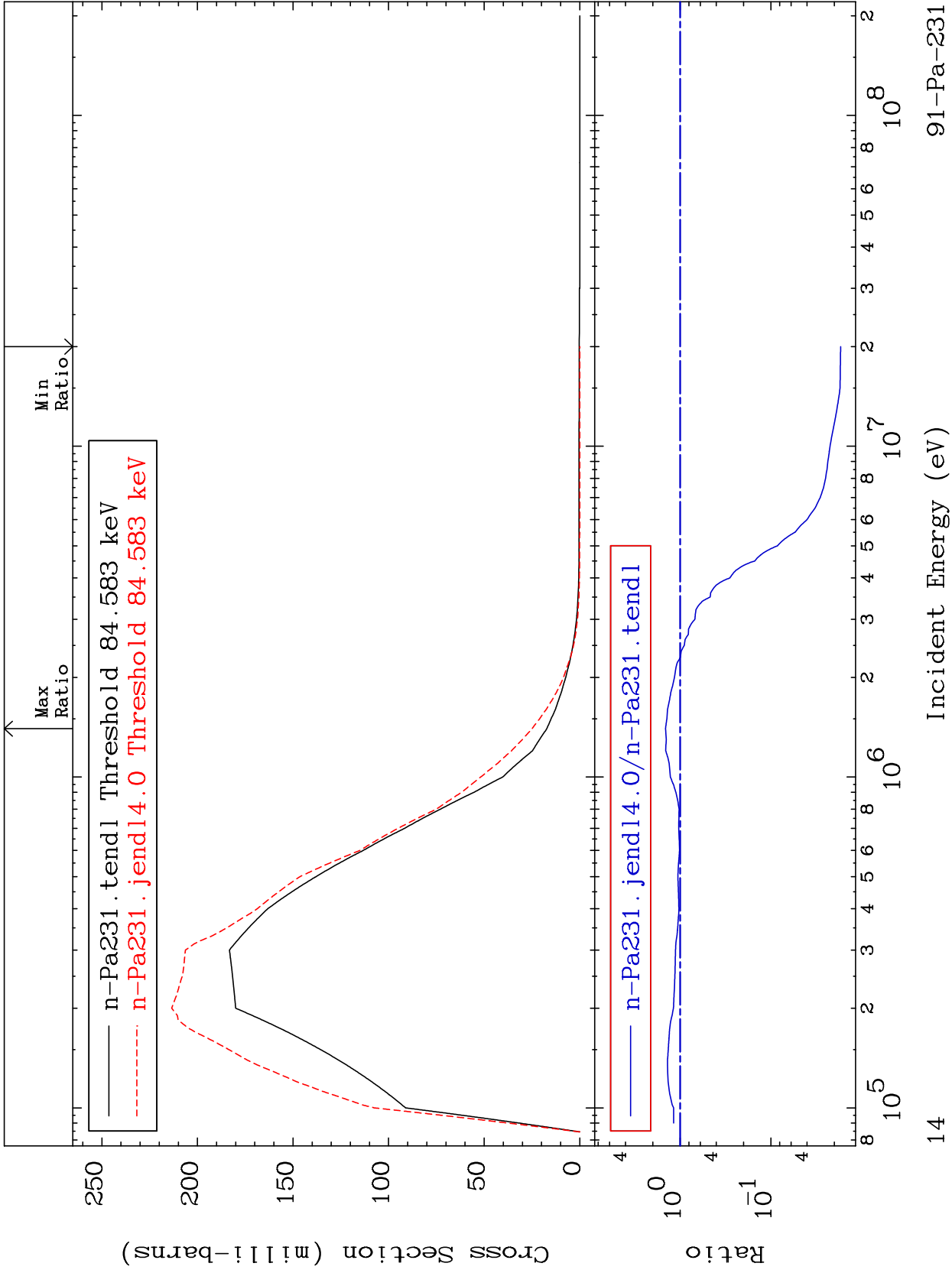
Incident Energy (eV)

91-Pa-231

MAT 9131

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

91-Pa-231
-98.29 To 45.08 %



14

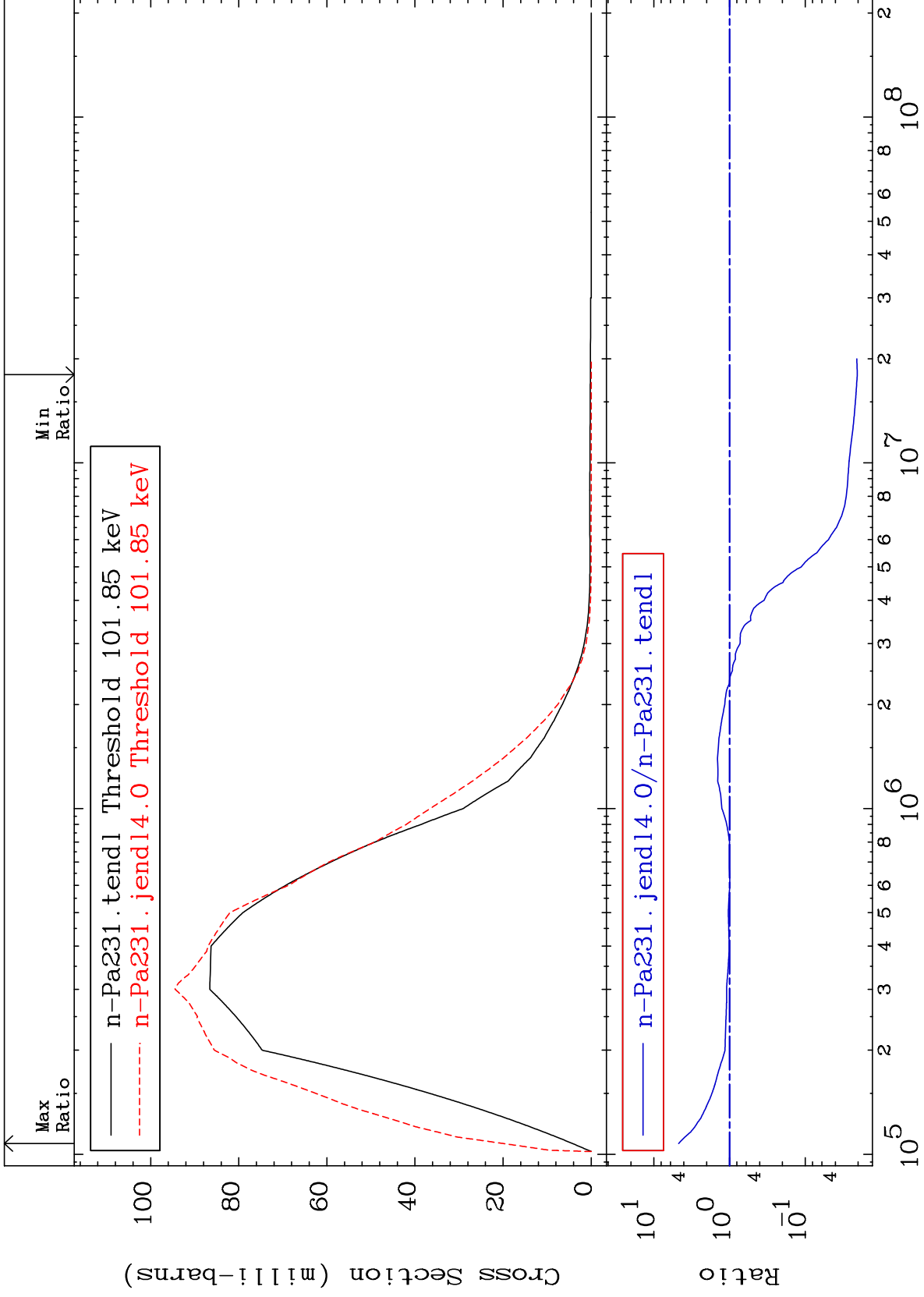
Incident Energy (eV)

91-Pa-231

MAT 9131

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

91-Pa-231
-97.95 To 369.3 %



15

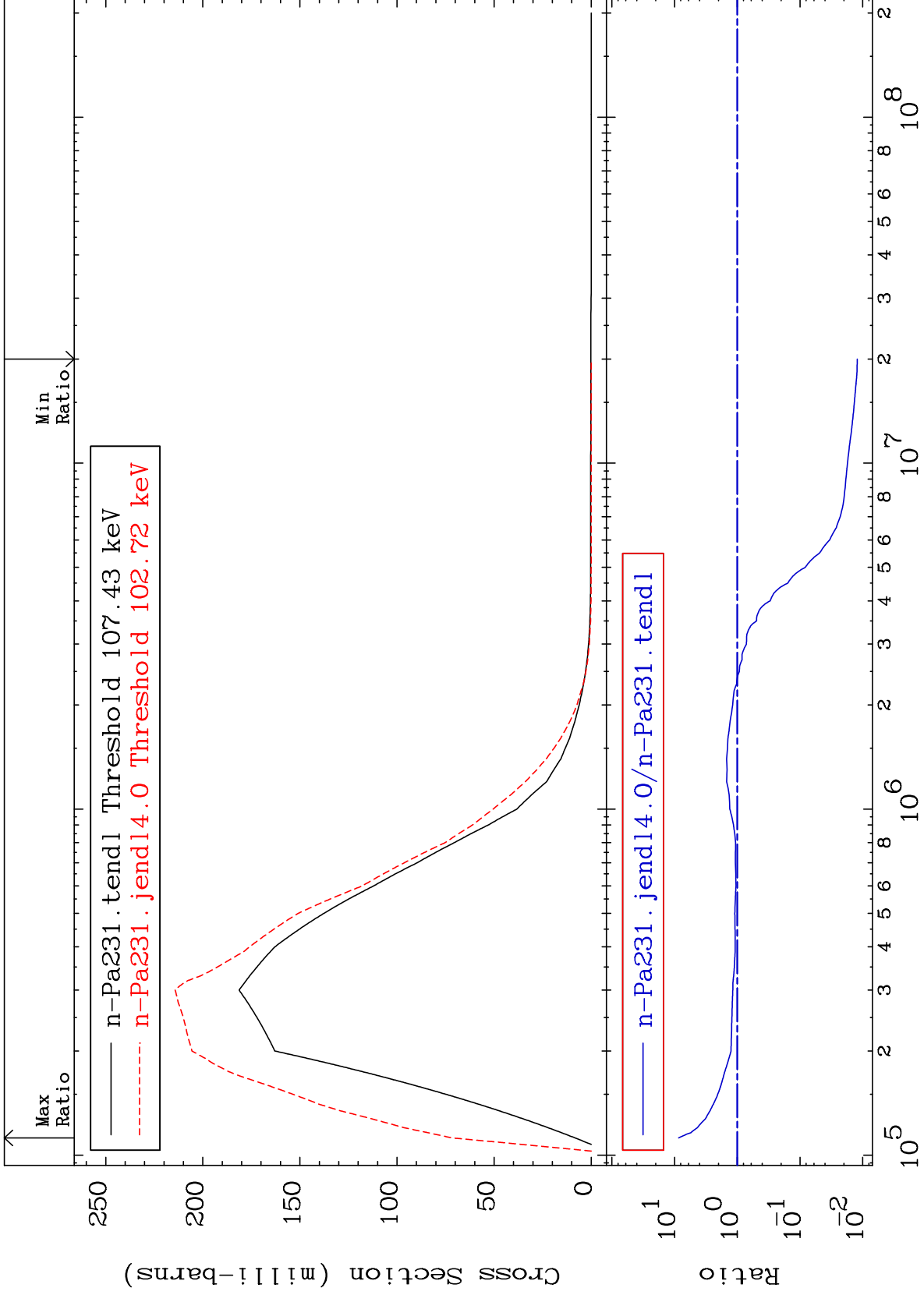
Incident Energy (eV)

91-Pa-231

MAT 9131

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

91-Pa-231
-98.78 To 763.2 %



16

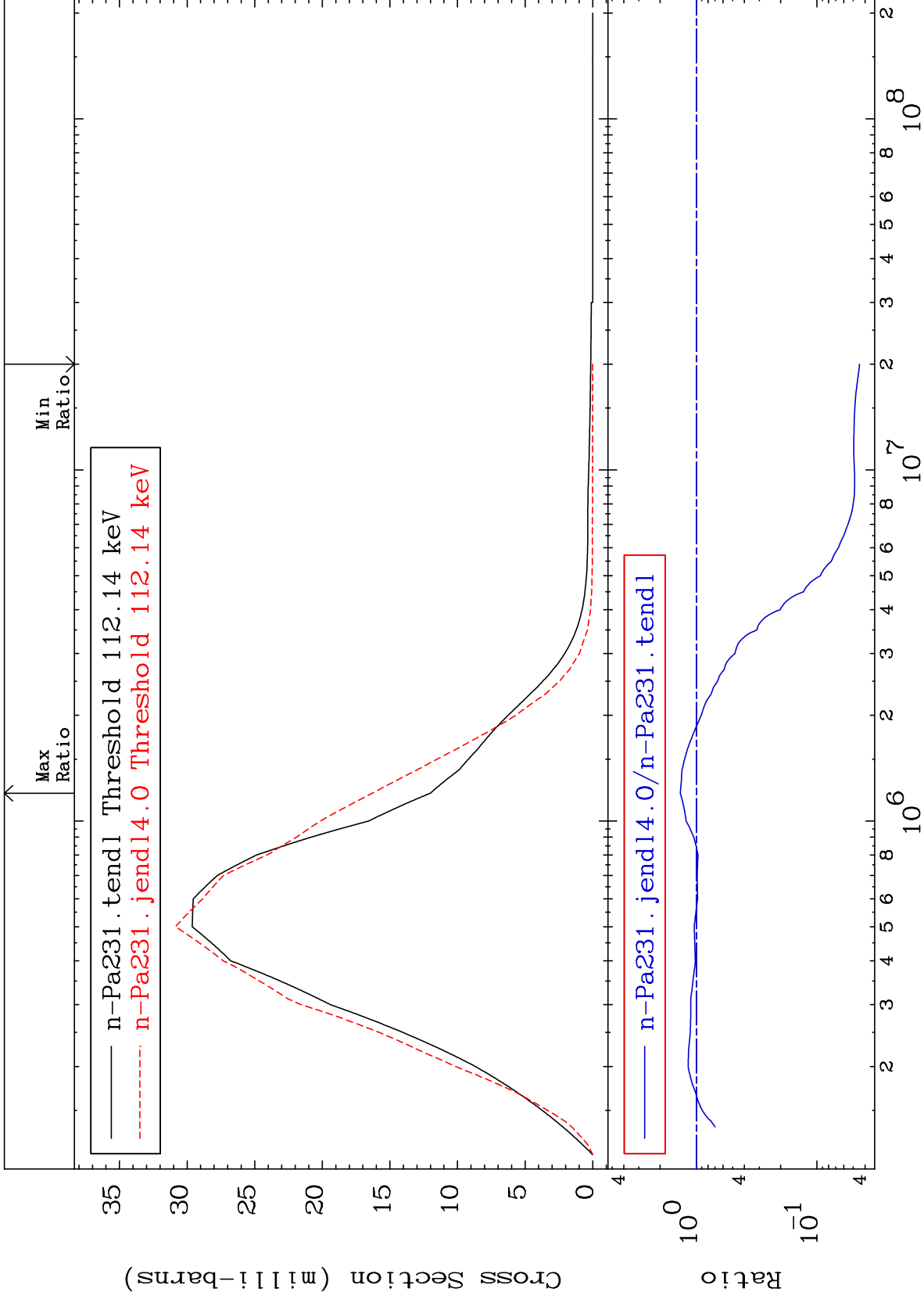
Incident Energy (eV)

91-Pa-231

MAT 9131

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

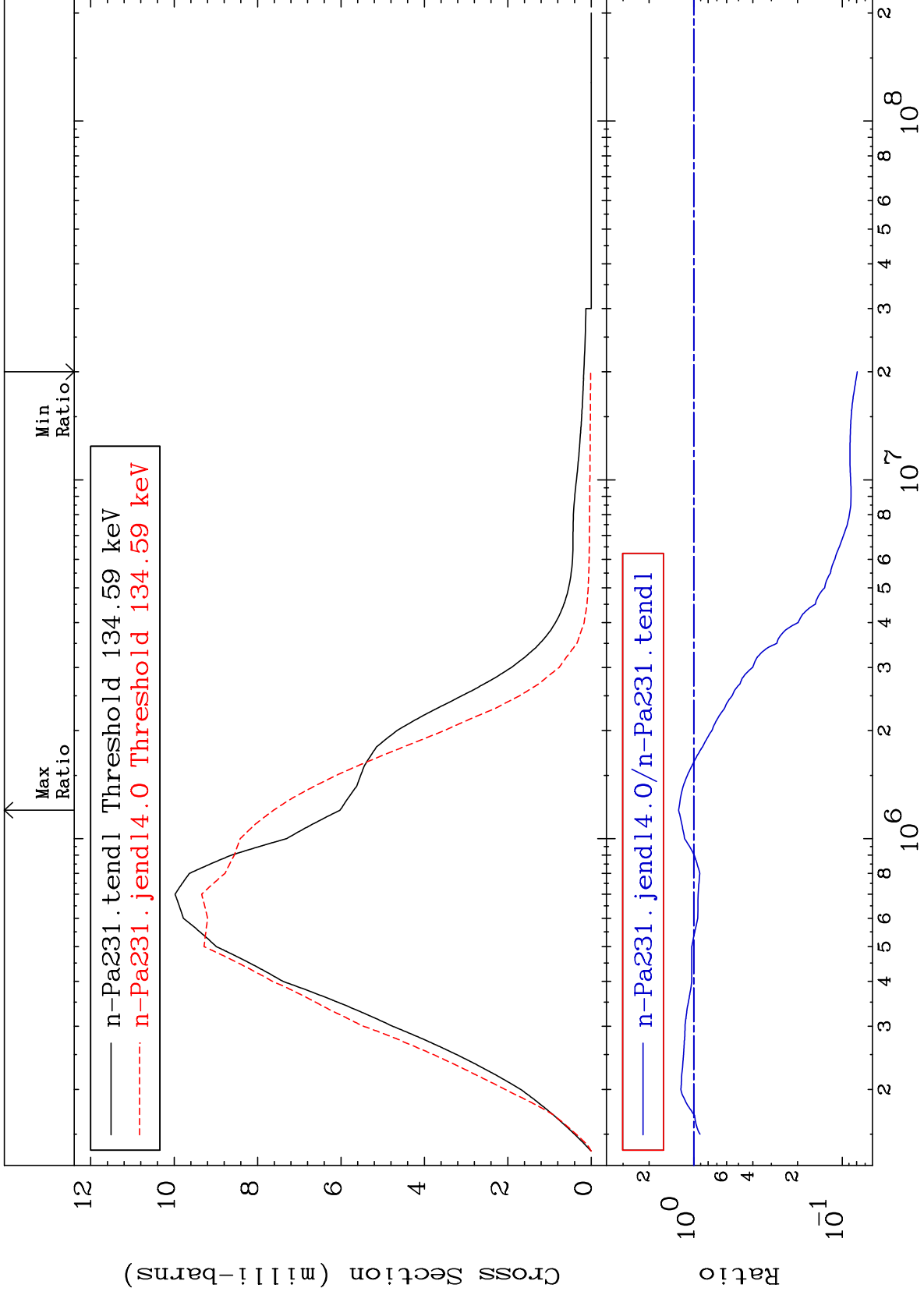
91-Pa-231
-95.55 To 35.67 %

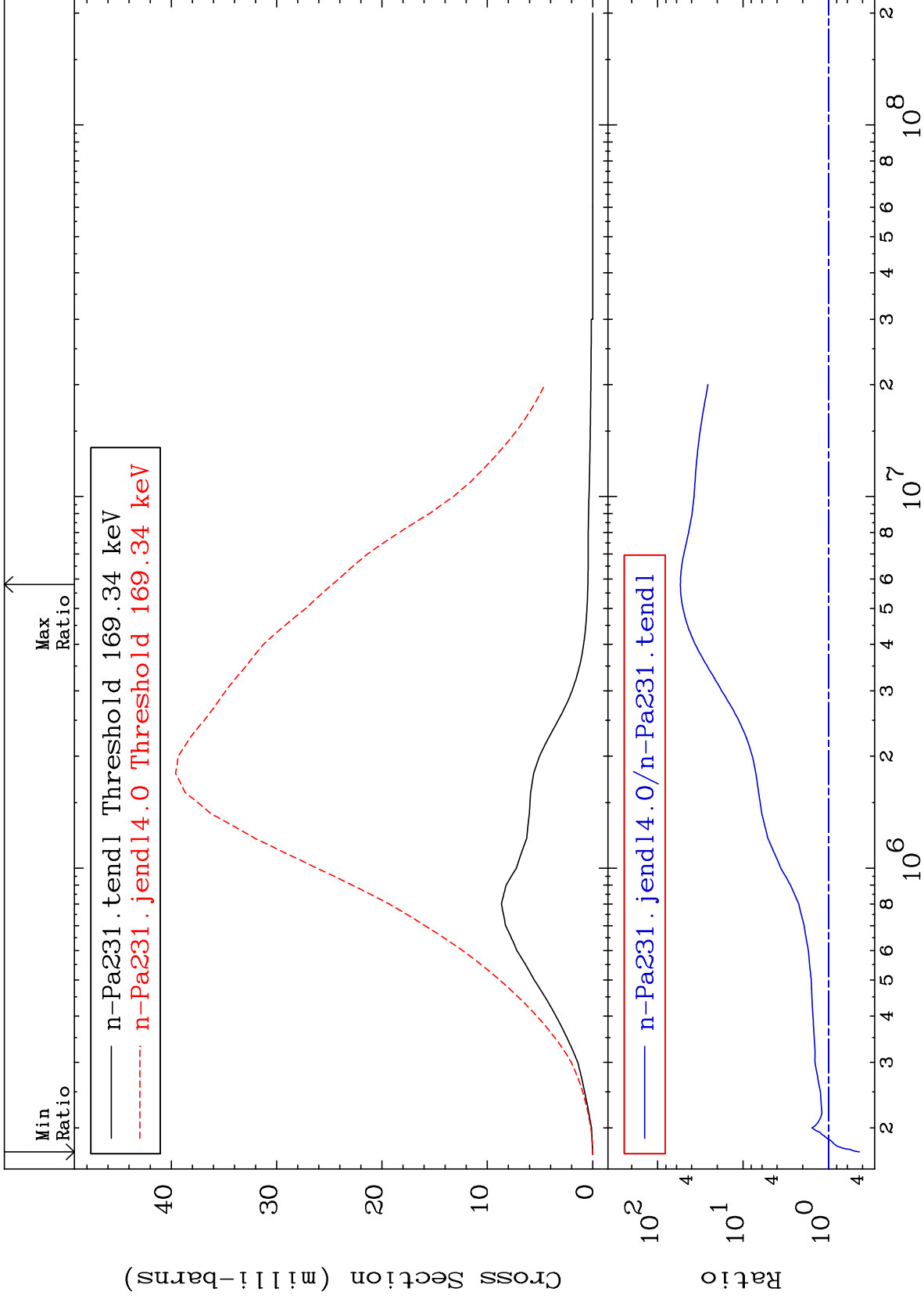


MAT 9131

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

91-Pa-231
-92.08 To 26.50 %

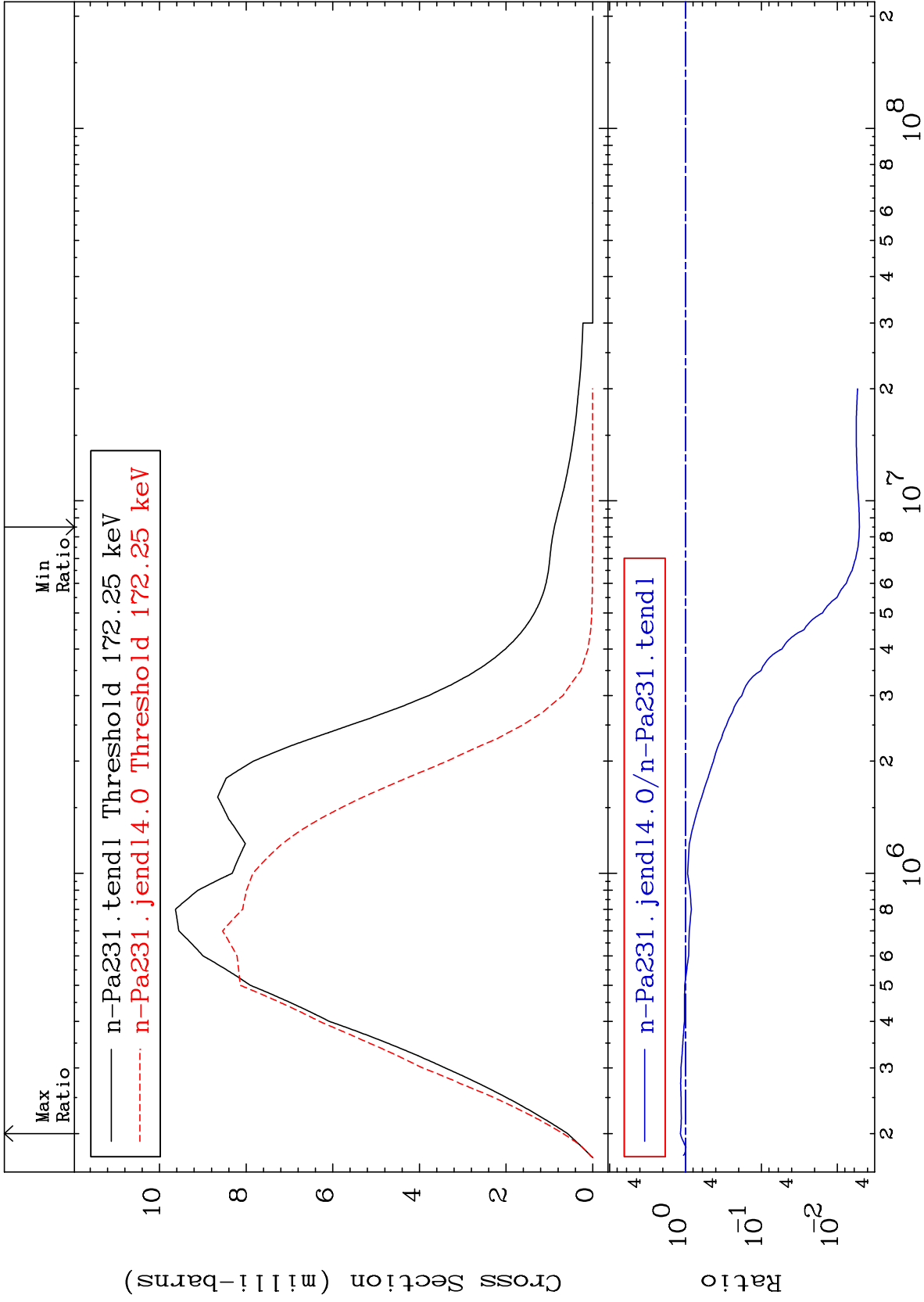




MAT 9131

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

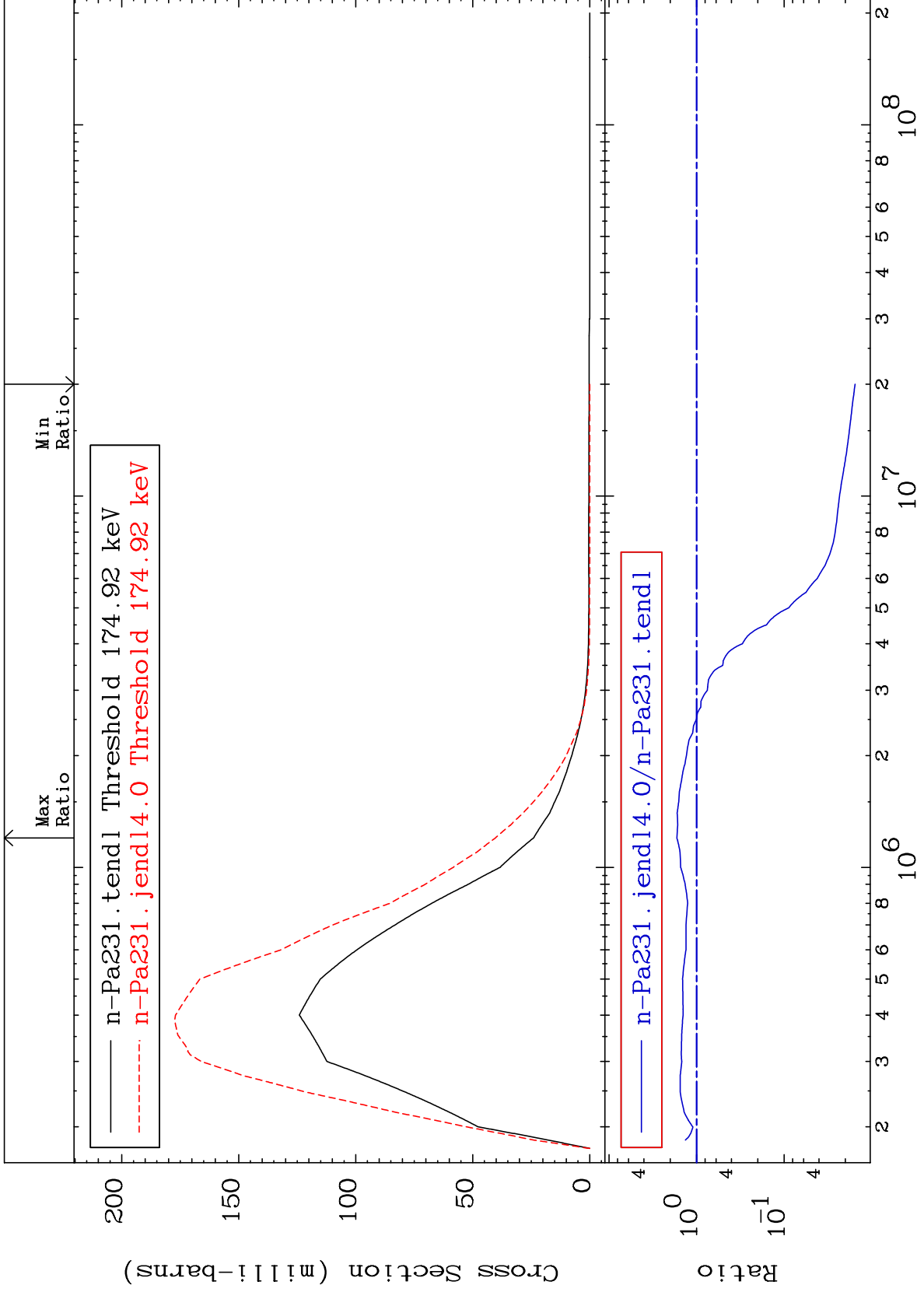
91-Pa-231
-99.49 To 17.22 %



MAT 9131

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

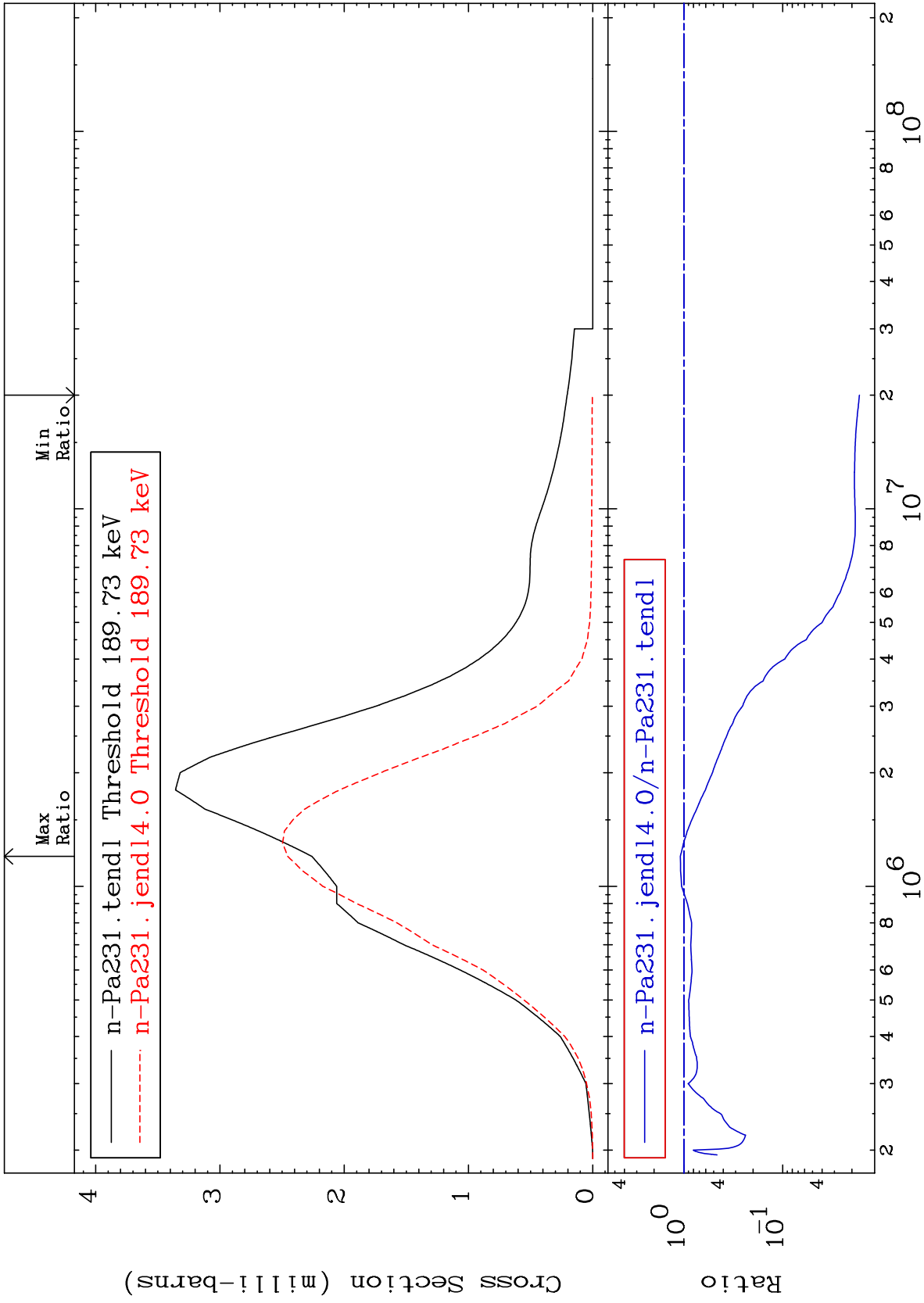
91-Pa-231
-98.45 To 67.92 %



MAT 9131

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

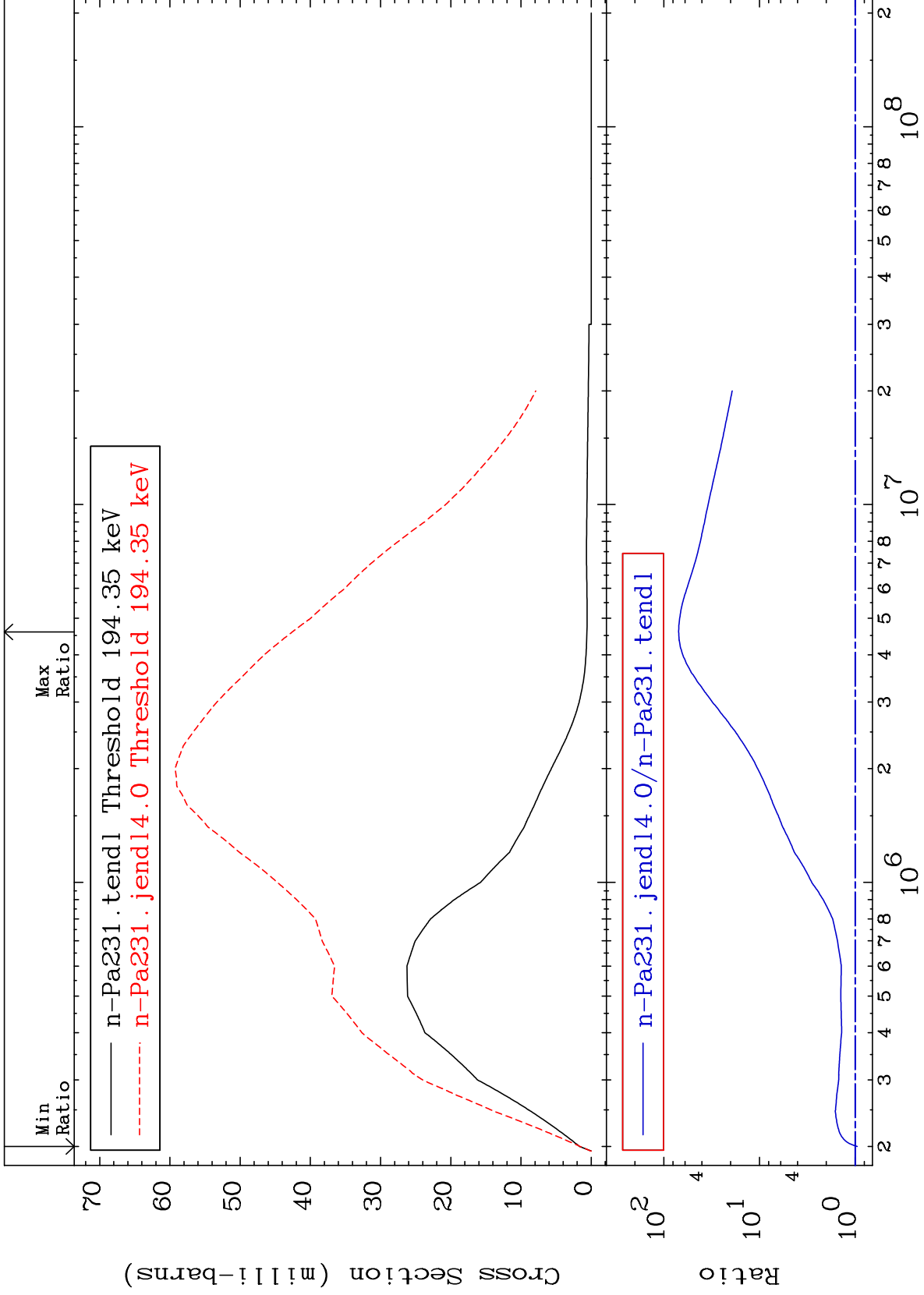
91-Pa-231
-98.32 To 8.597 %



MAT 9131

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

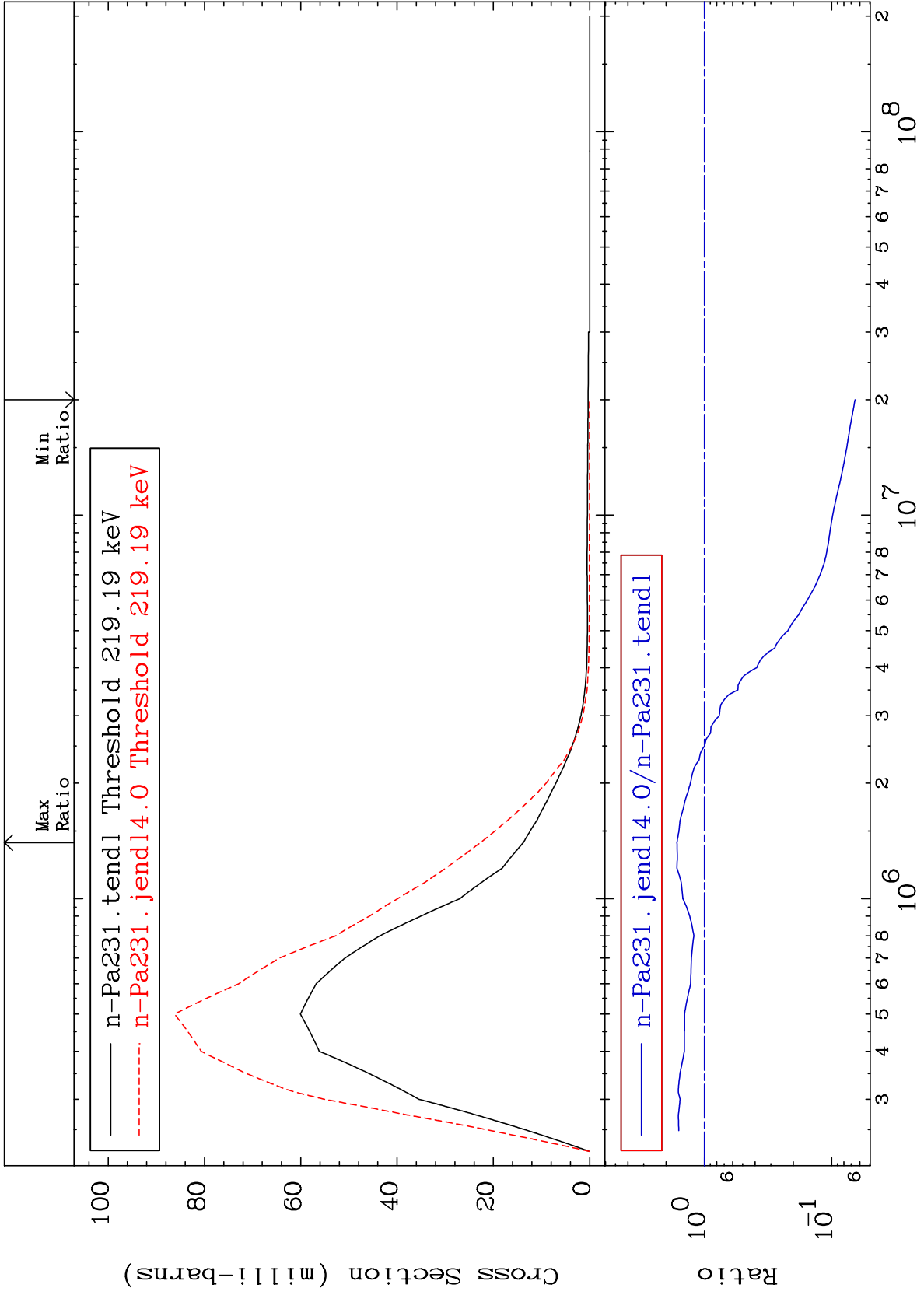
91-Pa-231
-5.060 To 6887. %



MAT 9131

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

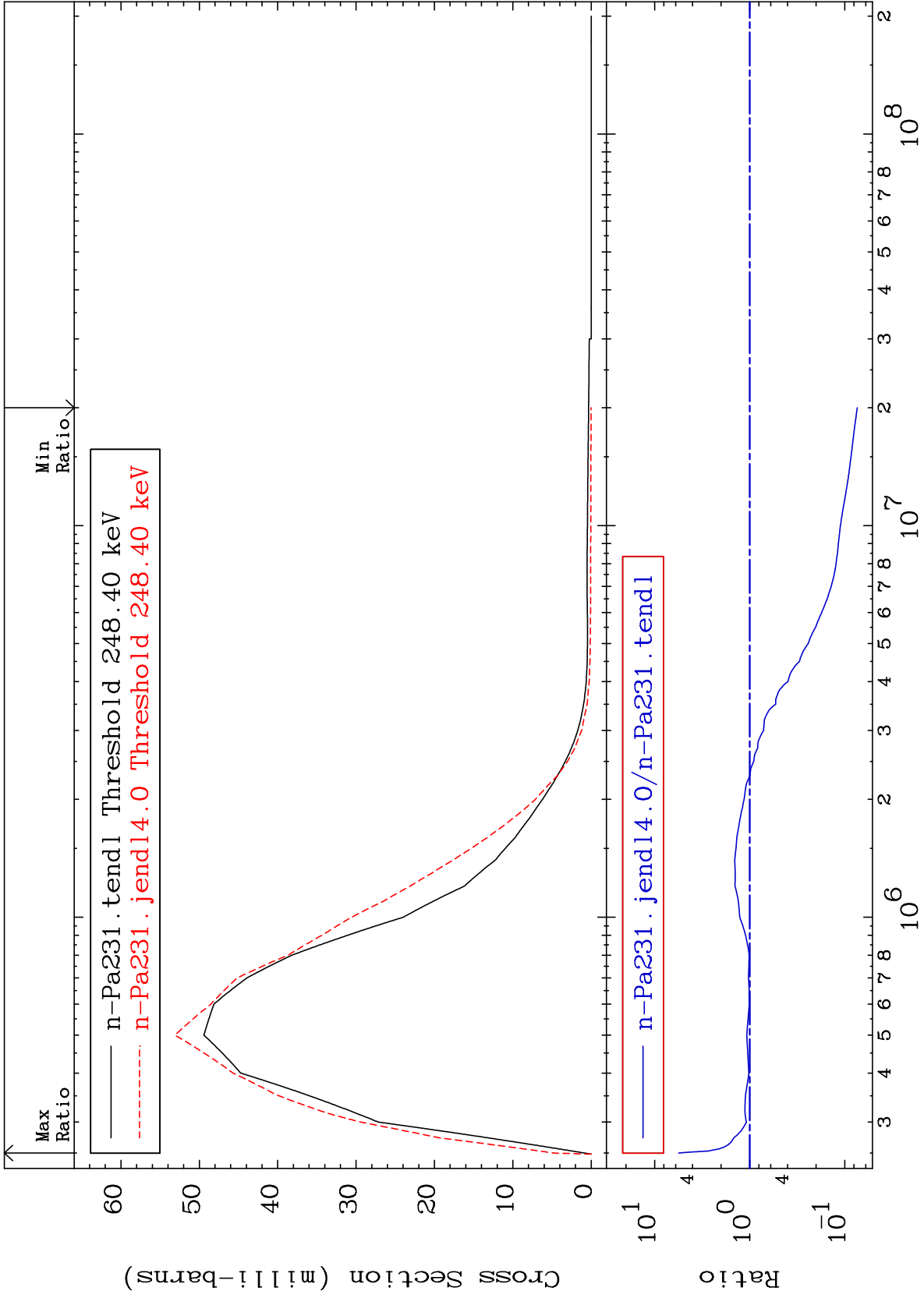
91-Pa-231
-93.47 To 64.54 %



MAT 9131

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

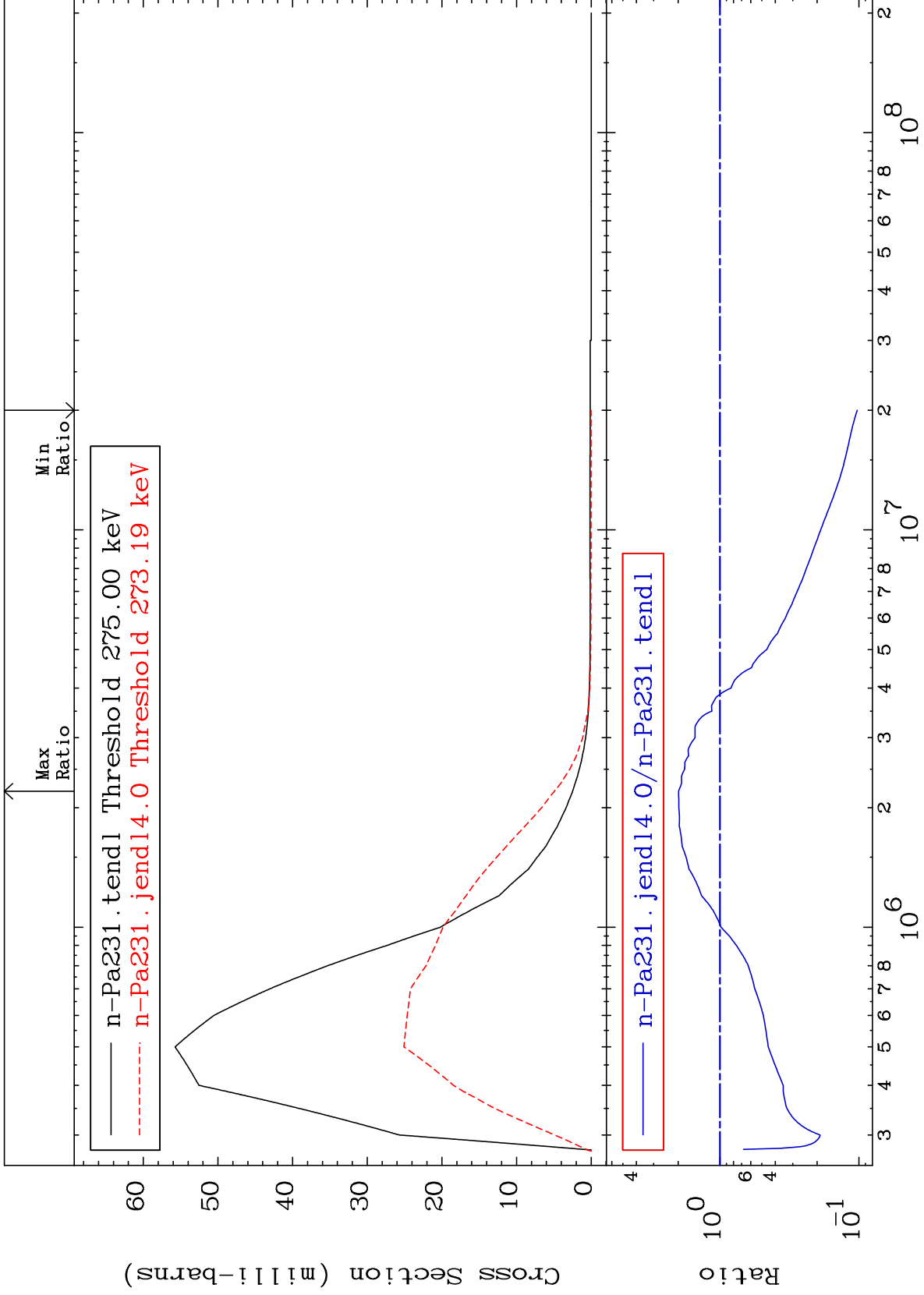
91-Pa-231
-92.61 To 459.5 %



MAT 9131

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

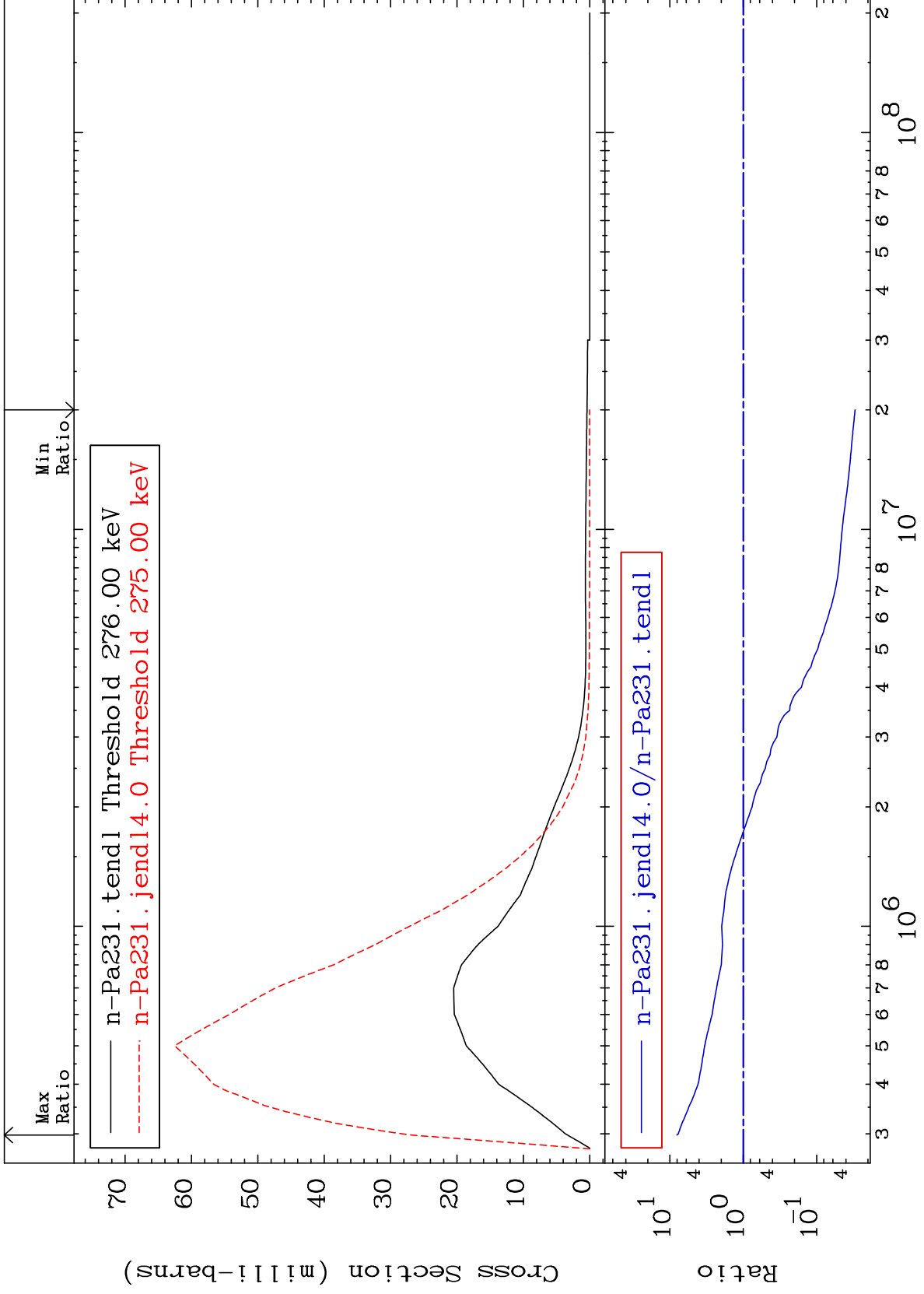
91-Pa-231
-89.70 To 98.44 %



MAT 9131

MT= 68 (n,n') Level
Cross Section

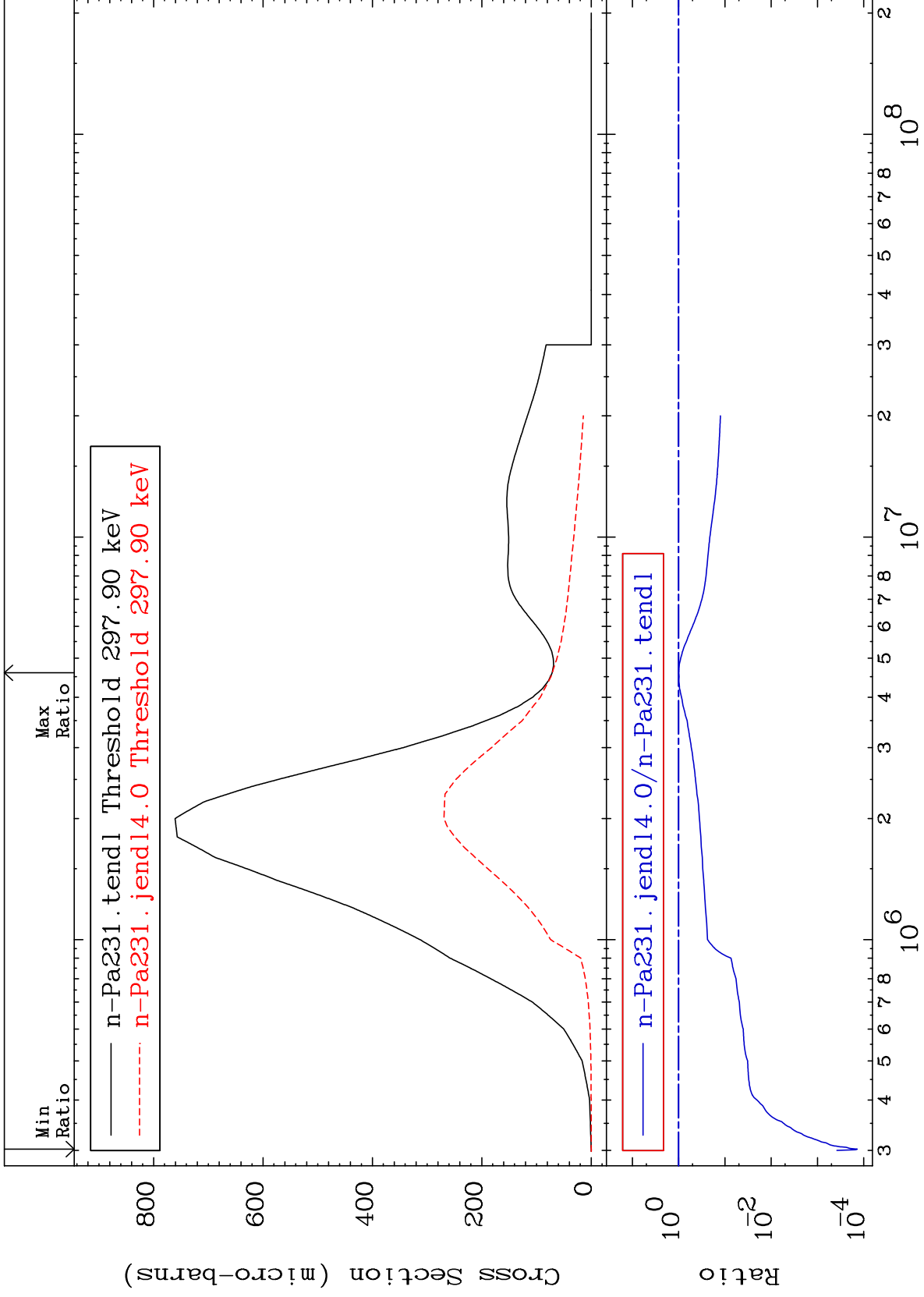
91-Pa-231
-97.00 To 702.8 %



MAT 9131

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

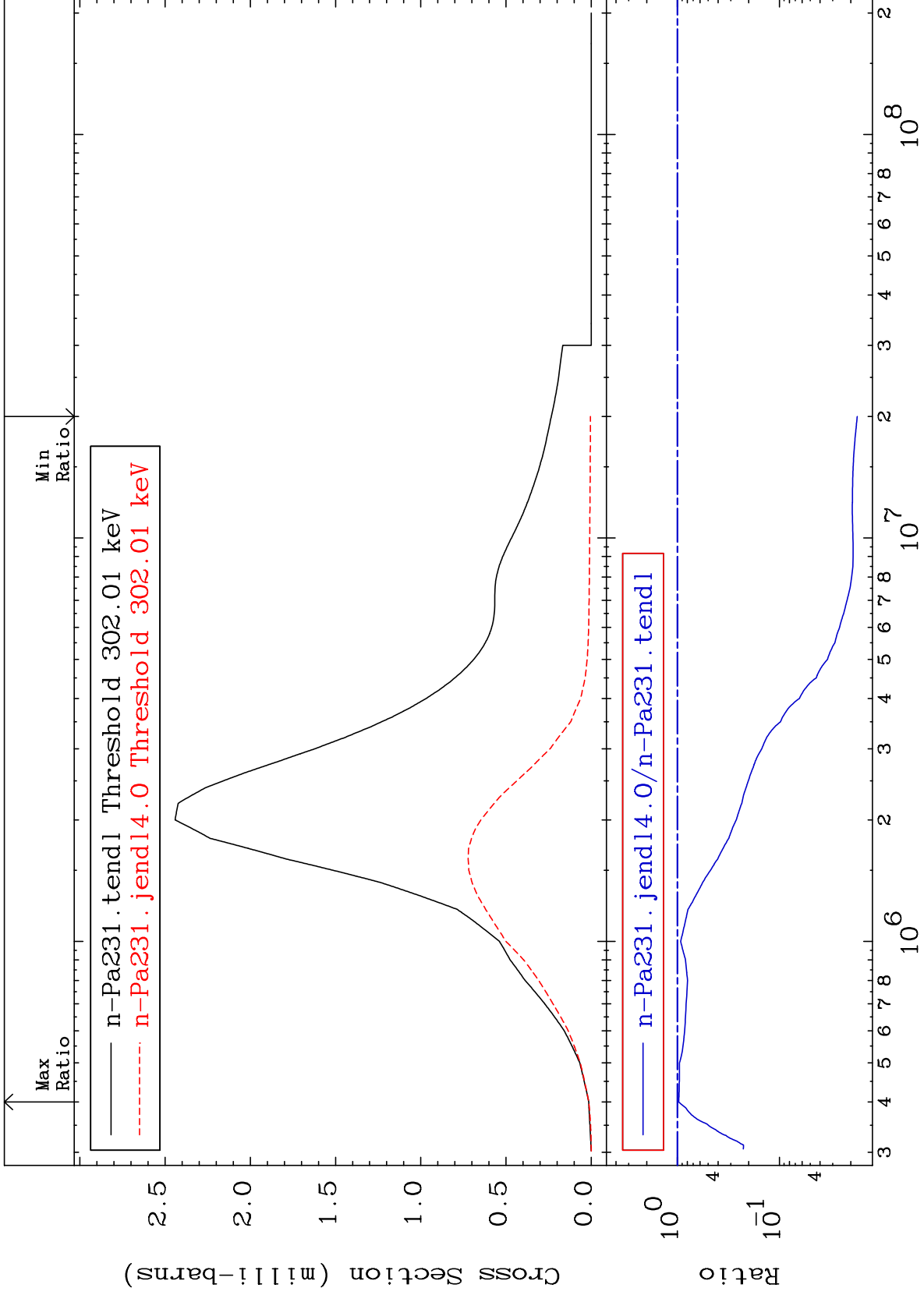
91-Pa-231
-99.99 To -0.076%



MAT 9131

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

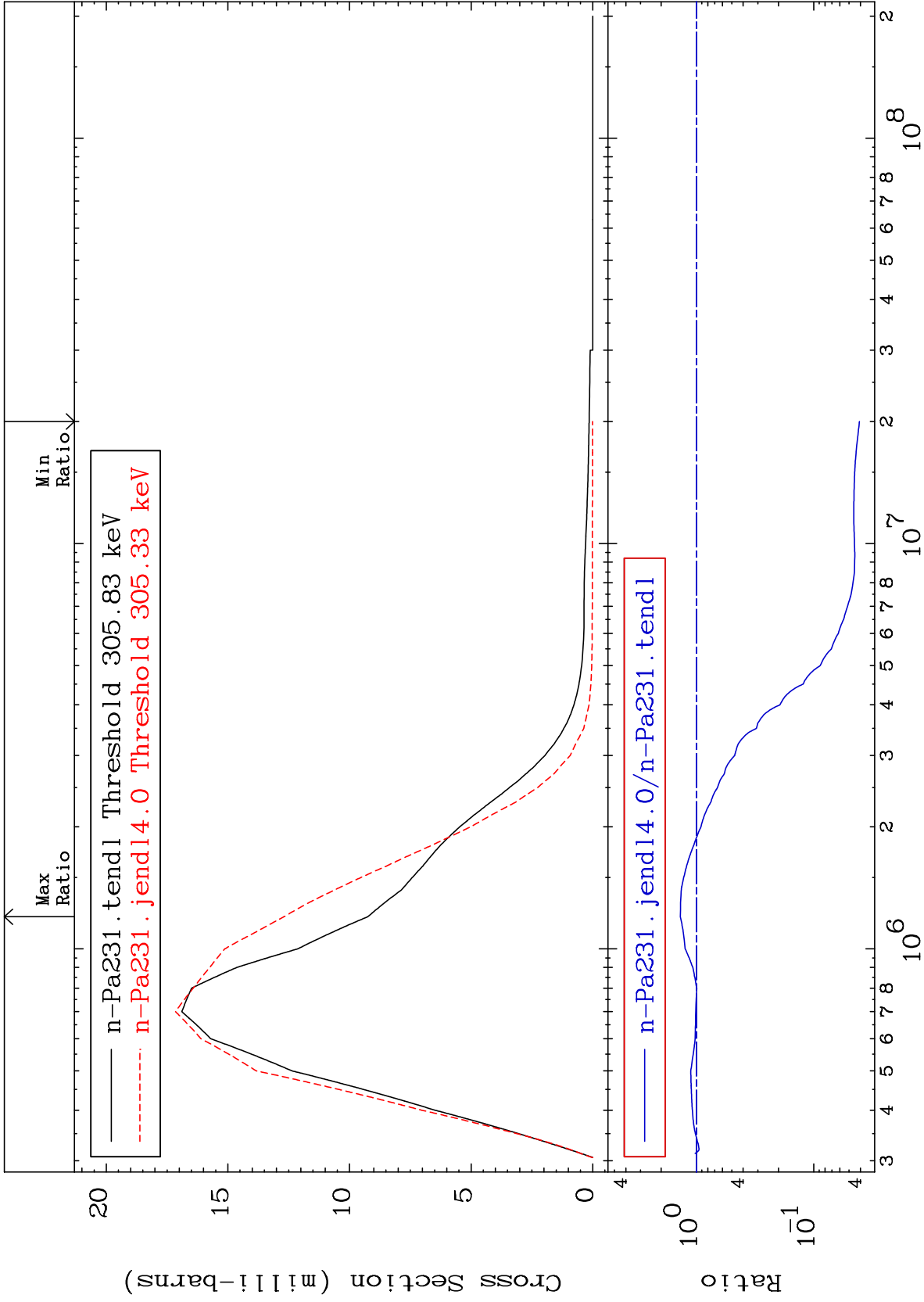
91-Pa-231
-98.27 To -2.693%



MAT 9131

MT= 71 (n,n') Level
Cross Section

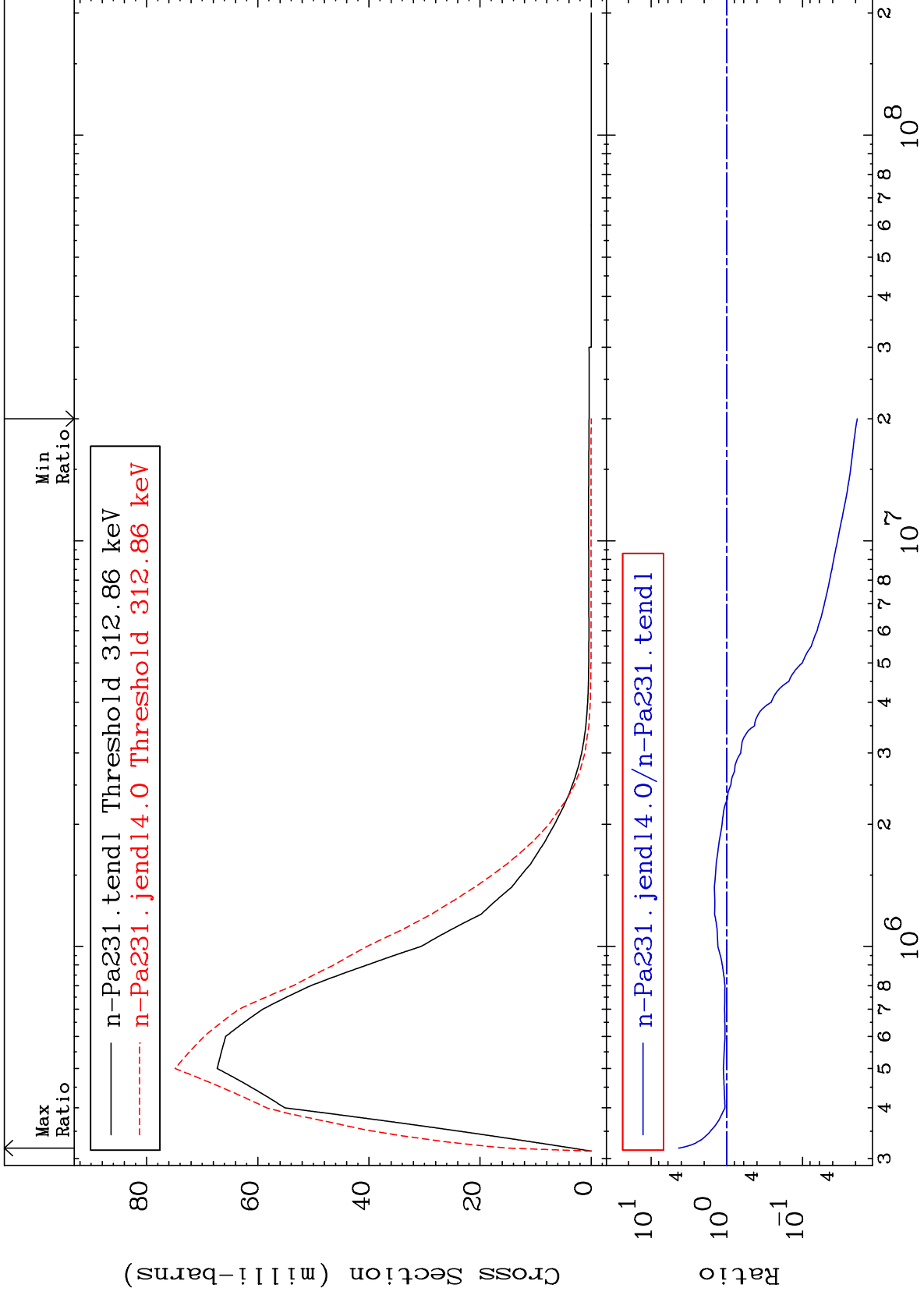
91-Pa-231
-95.92 To 37.22 %

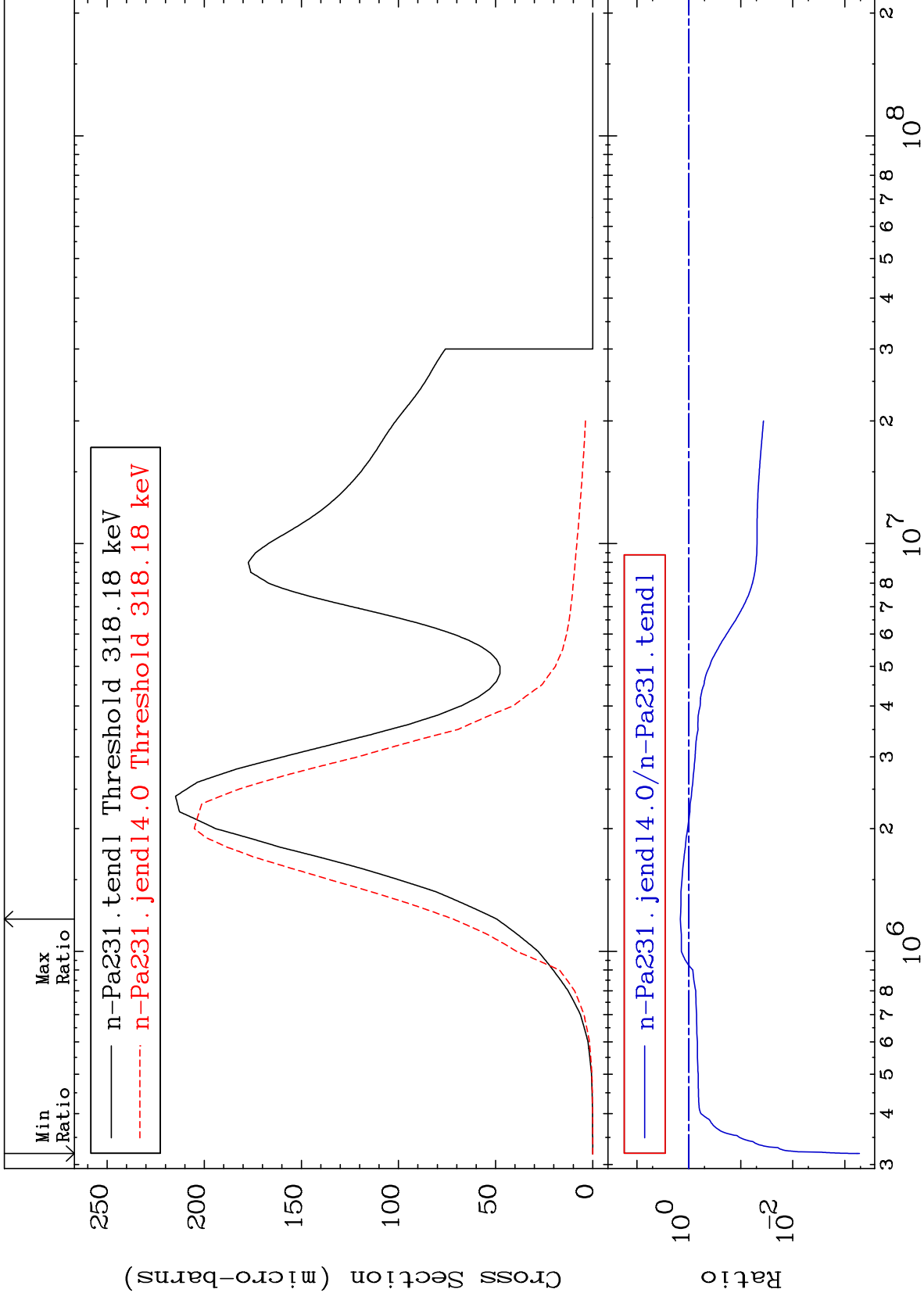


MAT 9131

MT= 72 (n,n') Level
Cross Section

91-Pa-231
-98.10 To 334.2 %

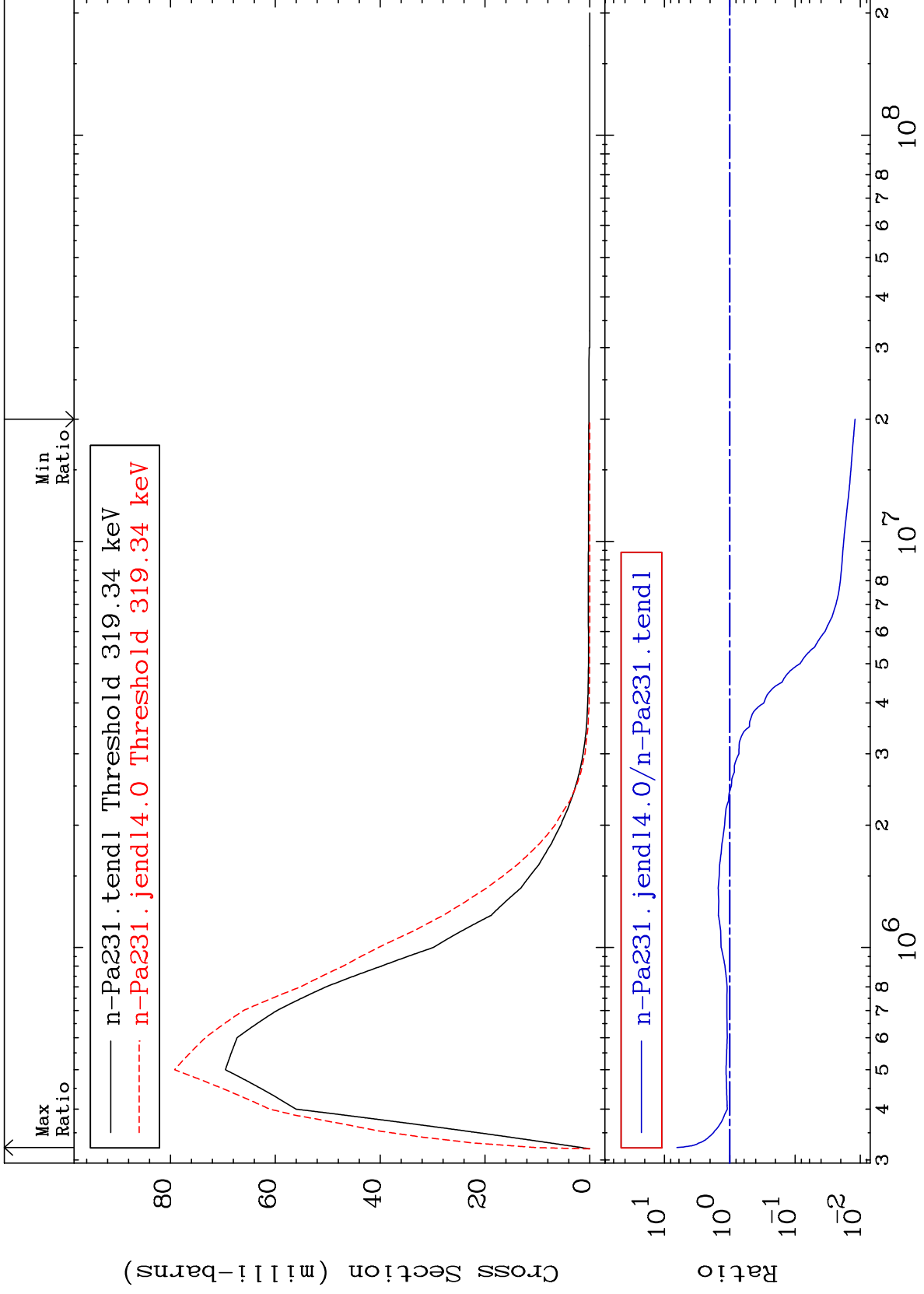




MAT 9131

MT= 74 (n,n') Level
Cross Section

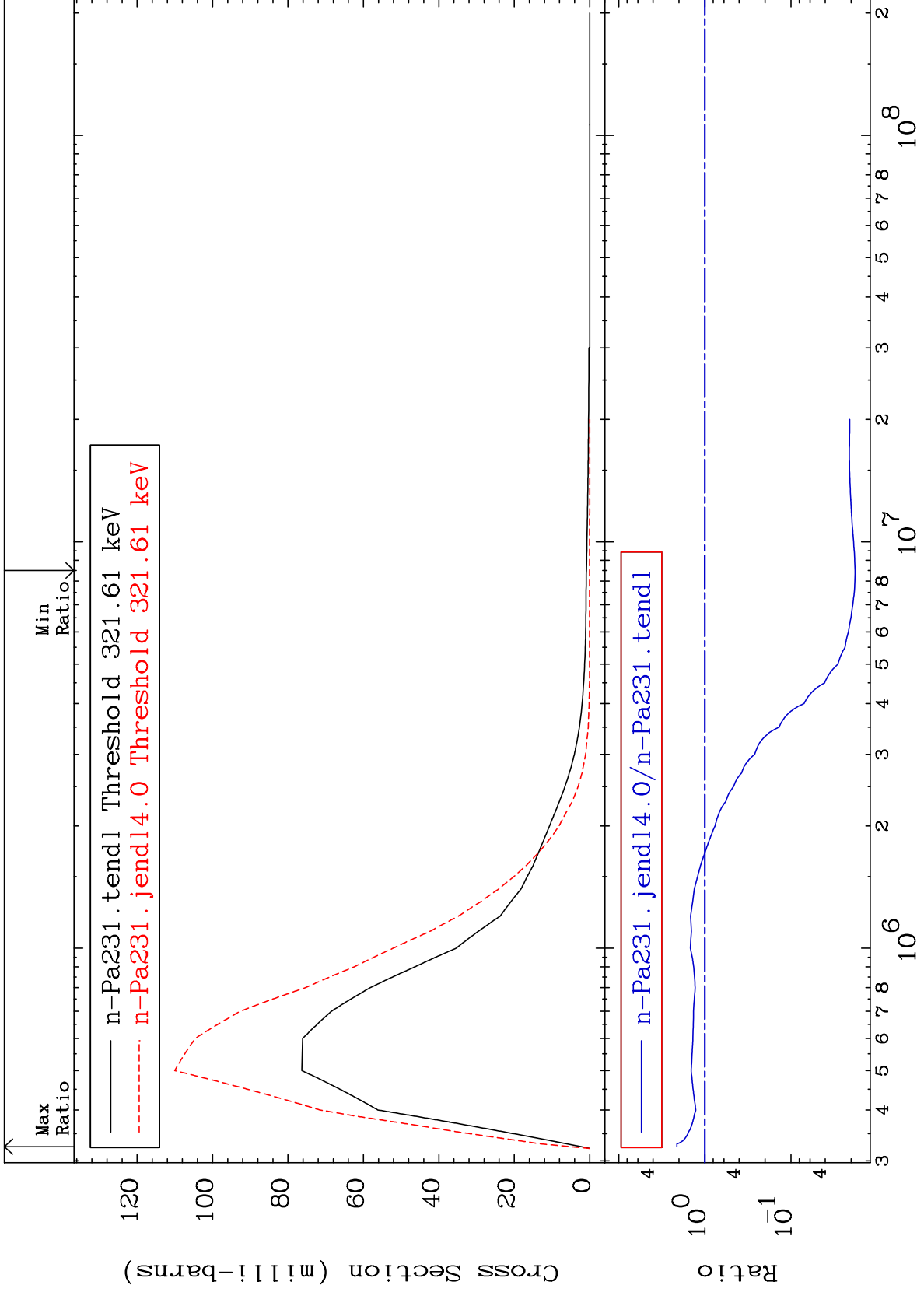
91-Pa-231
-98.80 To 542.3 %



MAT 9131

MT= 75 (n,n') Level
Cross Section

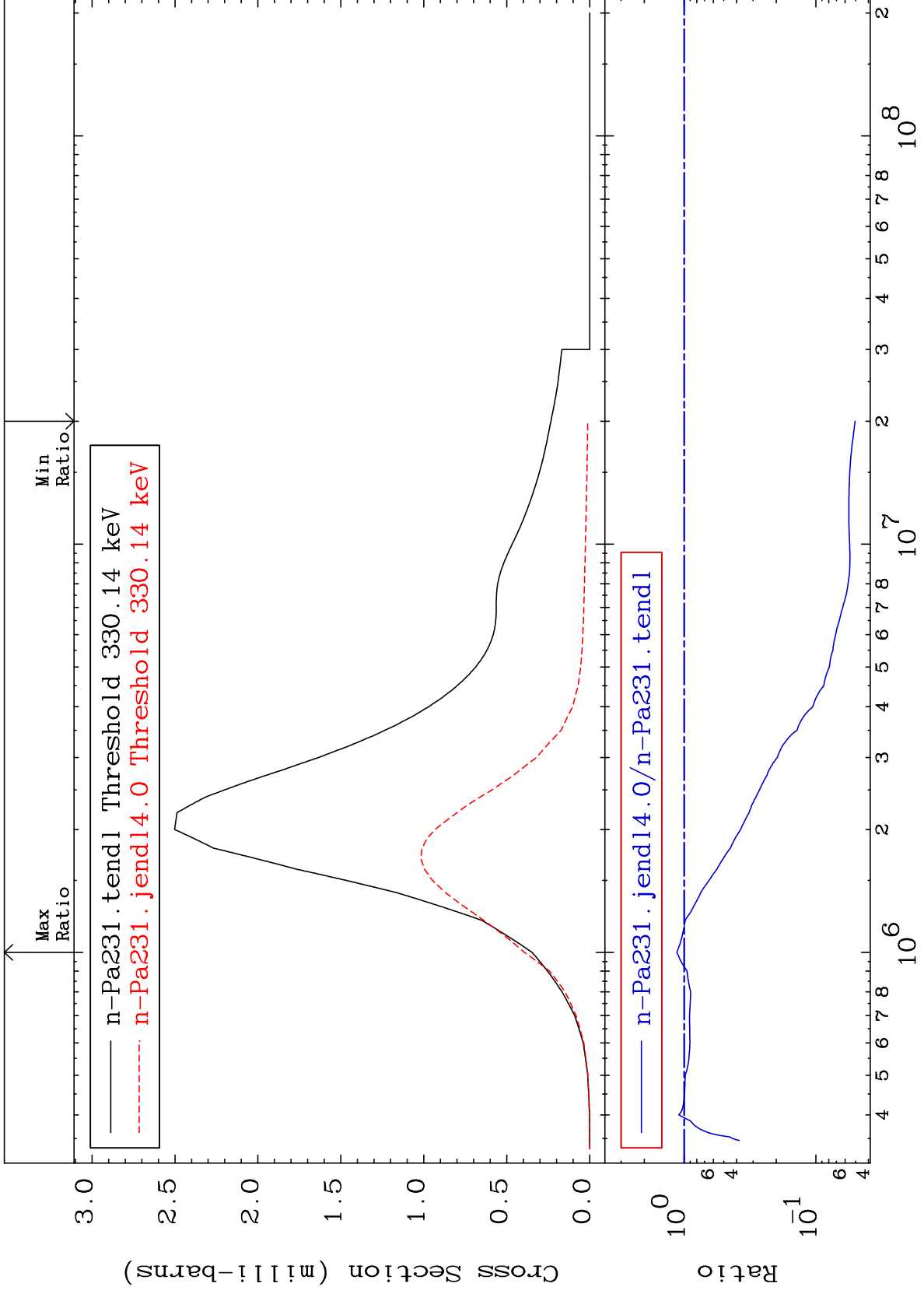
91-Pa-231
-98.20 To 111.0 %



MAT 9131

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

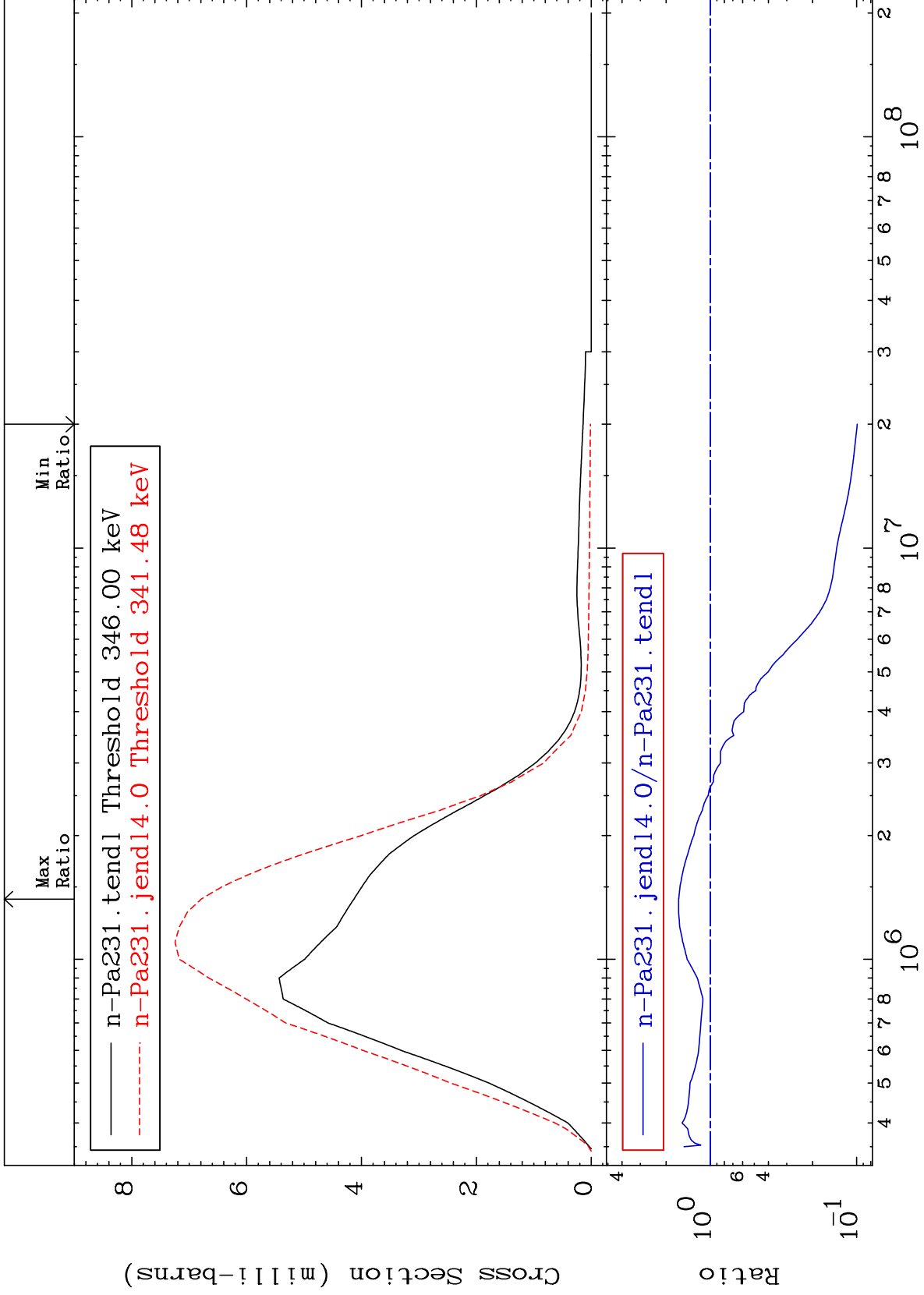
91-Pa-231
-94.95 To 13.24 %



MAT 9131

MT= 77 (n,n') Level
Cross Section

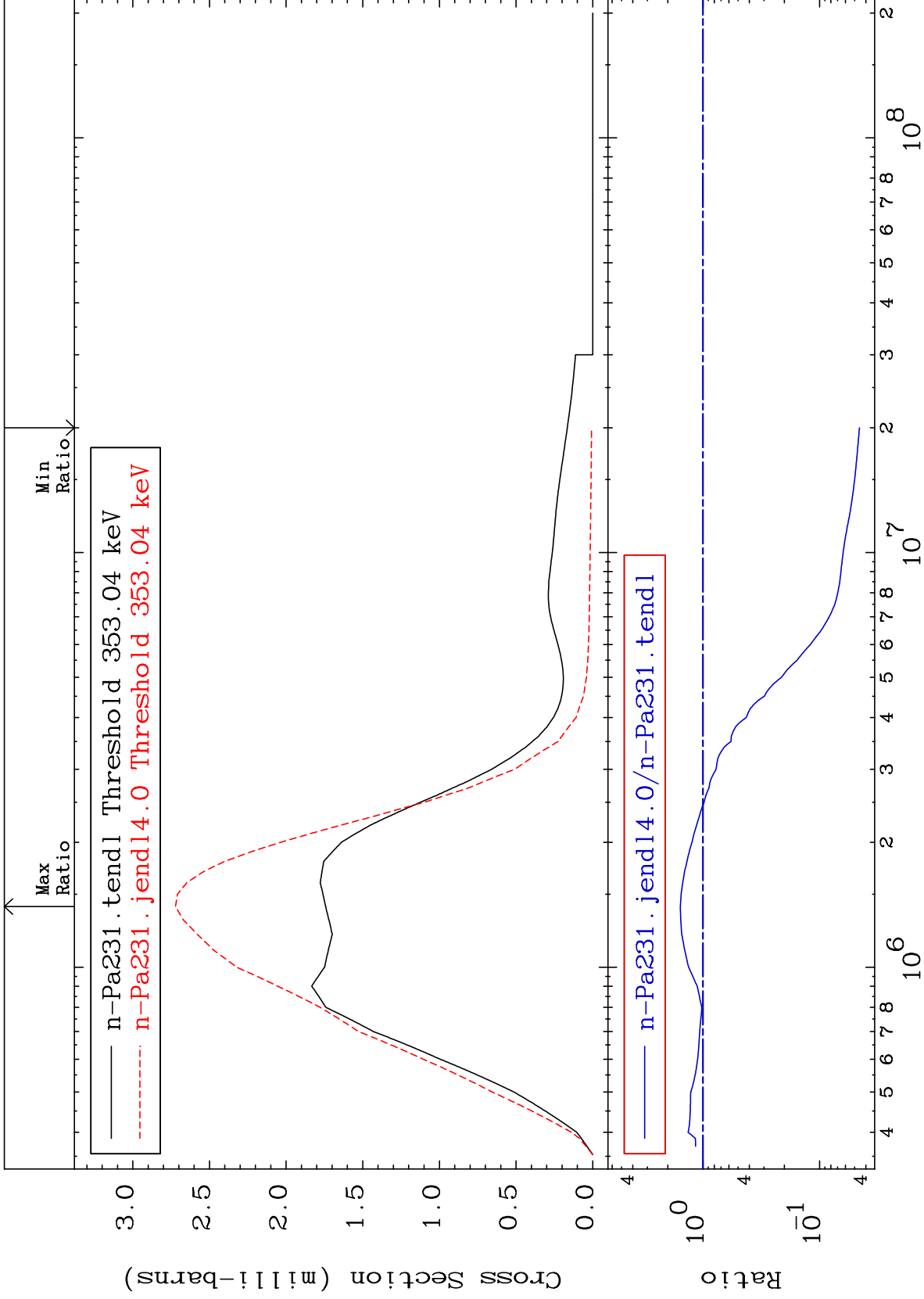
91-Pa-231
-90.10 To 64.35 %



MAT 9131

MT= 78 (n,n') Level
Cross Section

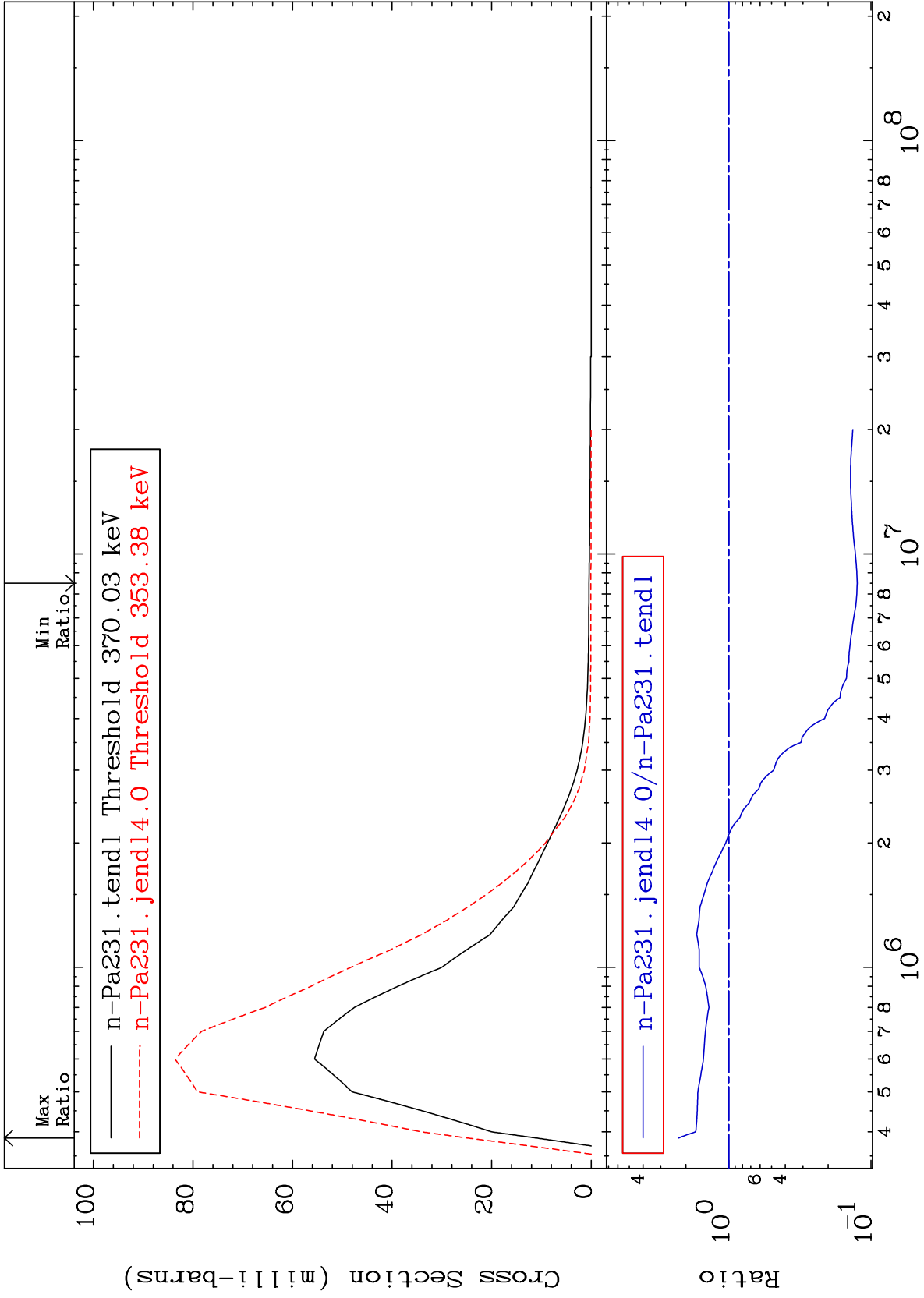
91-Pa-231
-95.45 To 56.18 %



MAT 9131

MT= 79 (n,n') Level
Cross Section

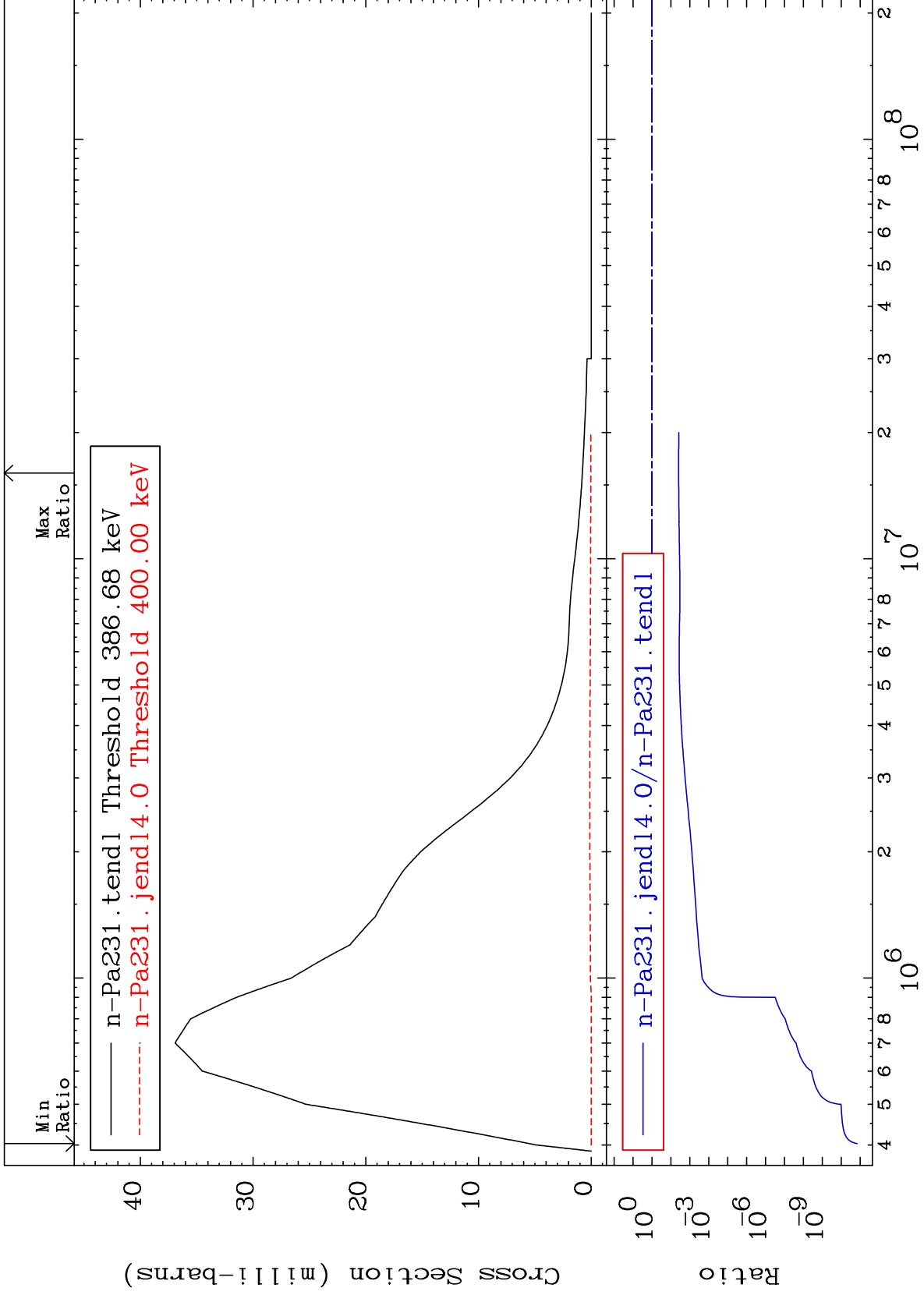
91-Pa-231
-87.53 To 124.7 %



MAT 9131

MT= 80 (n,n') Level
Cross Section

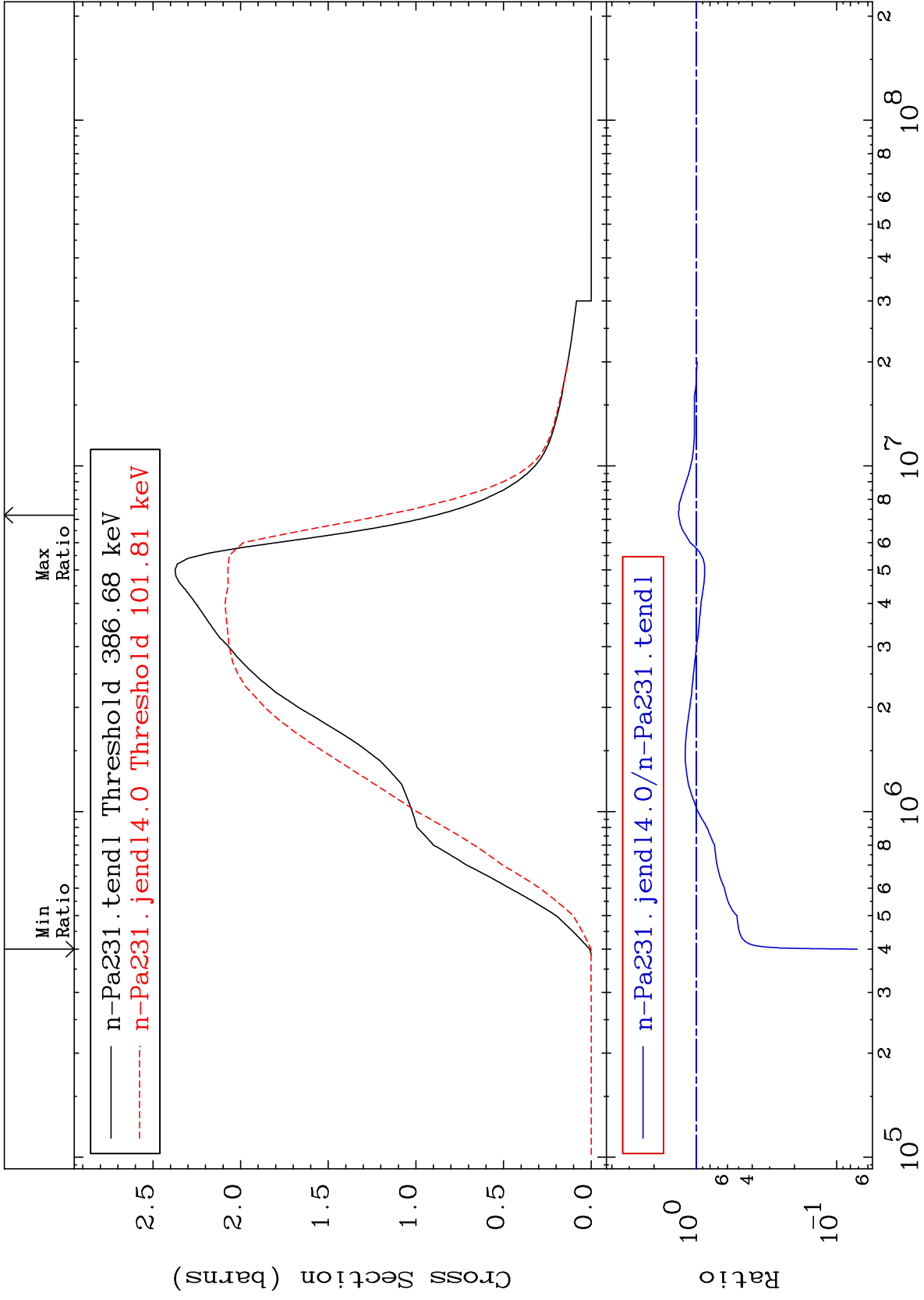
91-Pa-231
-100.0 To -96.11%



MAT 9131

(n, n') Continuum
Cross Section

91-Pa-231
-92.86 To 33.75 %



41

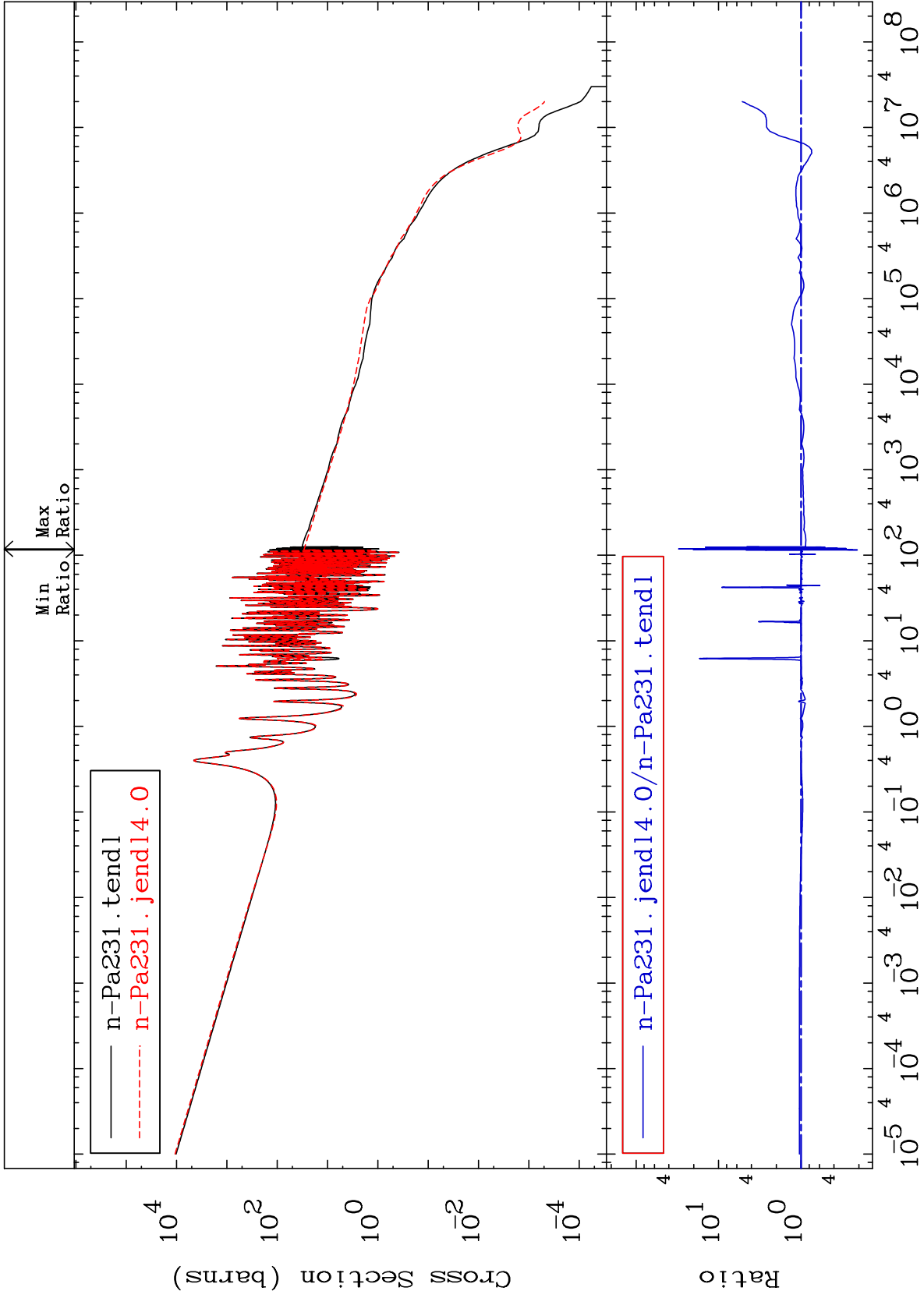
Incident Energy (eV)

91-Pa-231

MAT 9131

(n, γ)
Cross Section

91-Pa-231
-79.11 To 2949. %



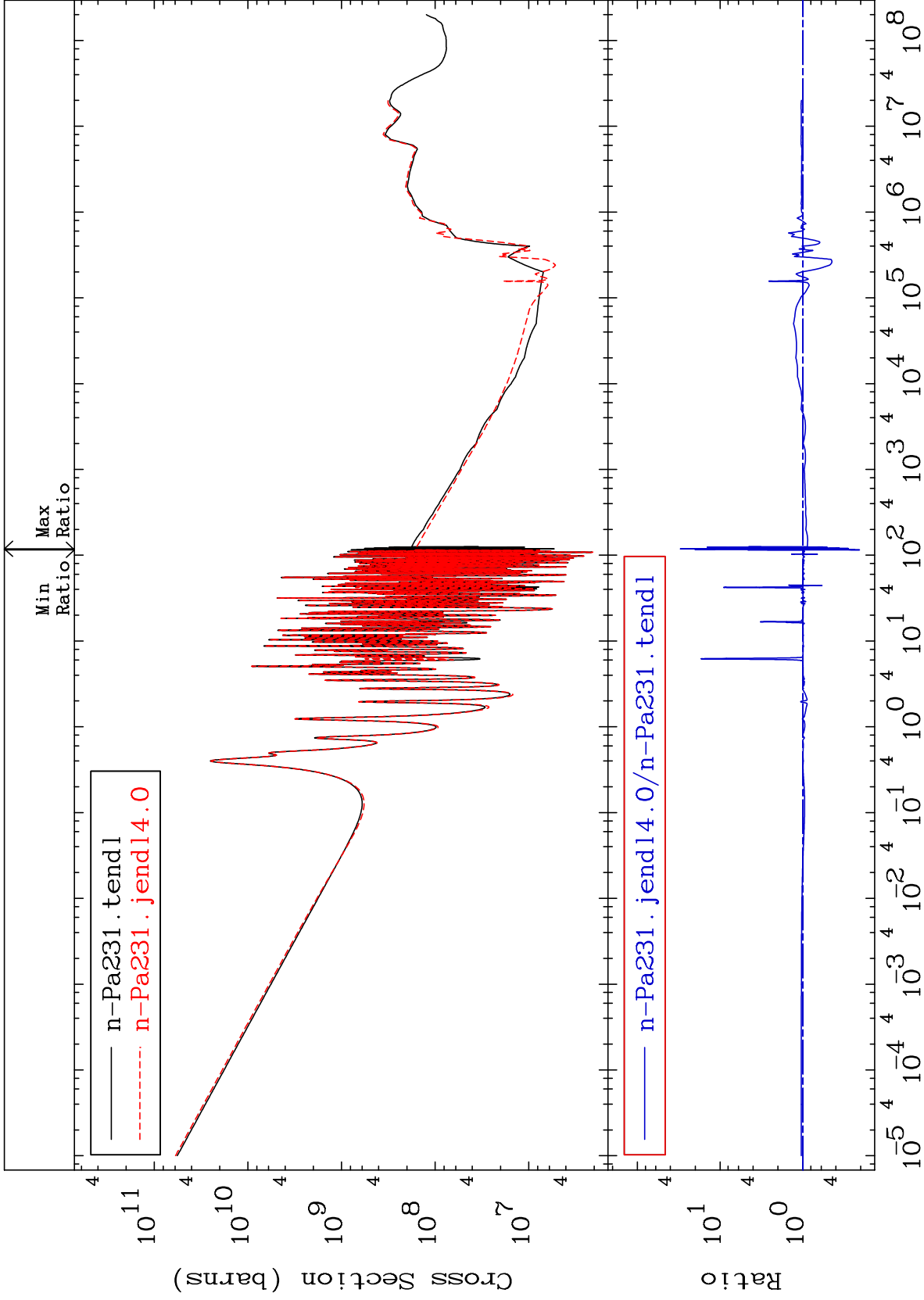
MAT 9131

Kerma total (eV-barns)

91-Pa-231

-79.25 To 2925. %

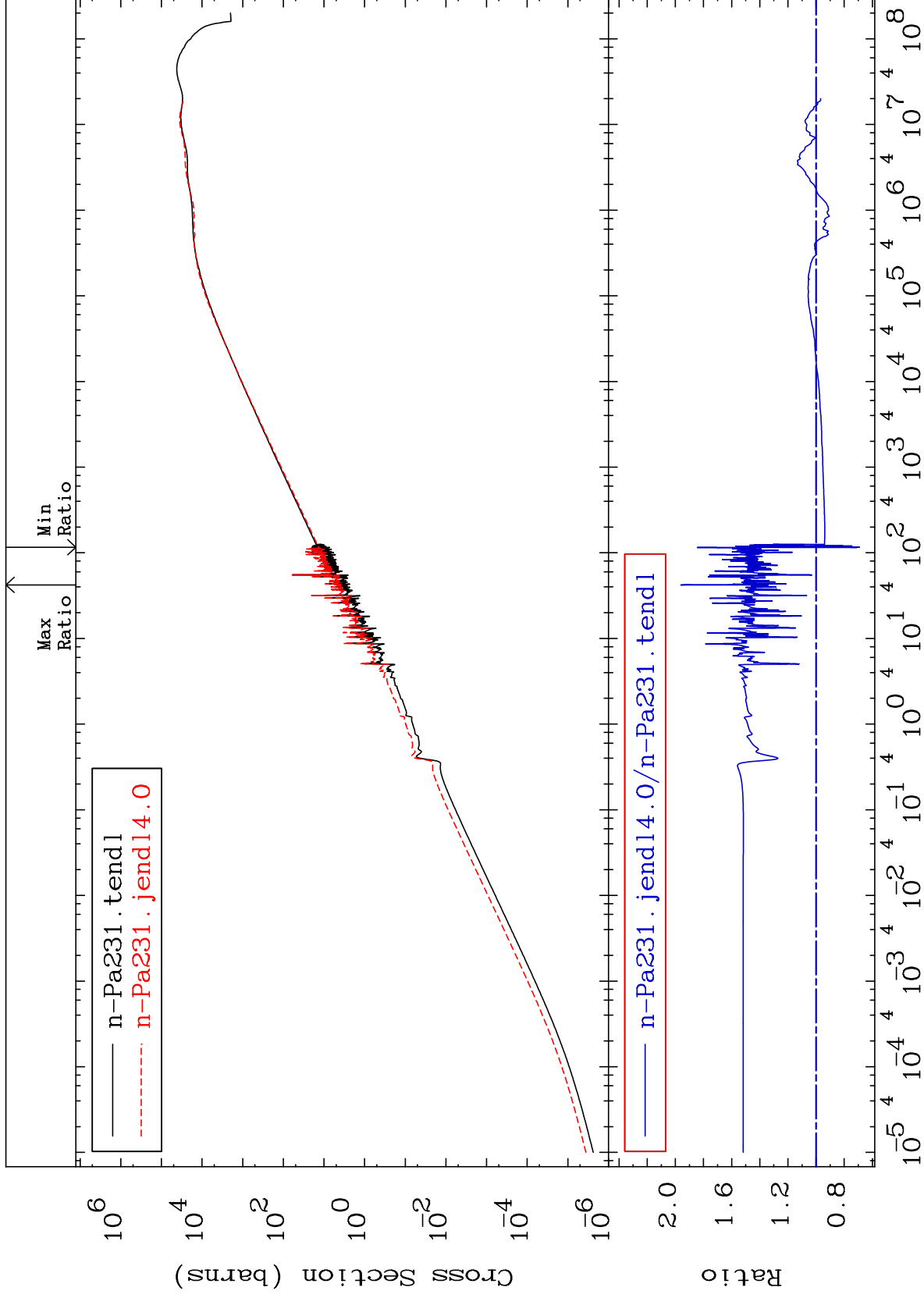
Cross Section



MAT 9131

Kerma elastic
Cross Section

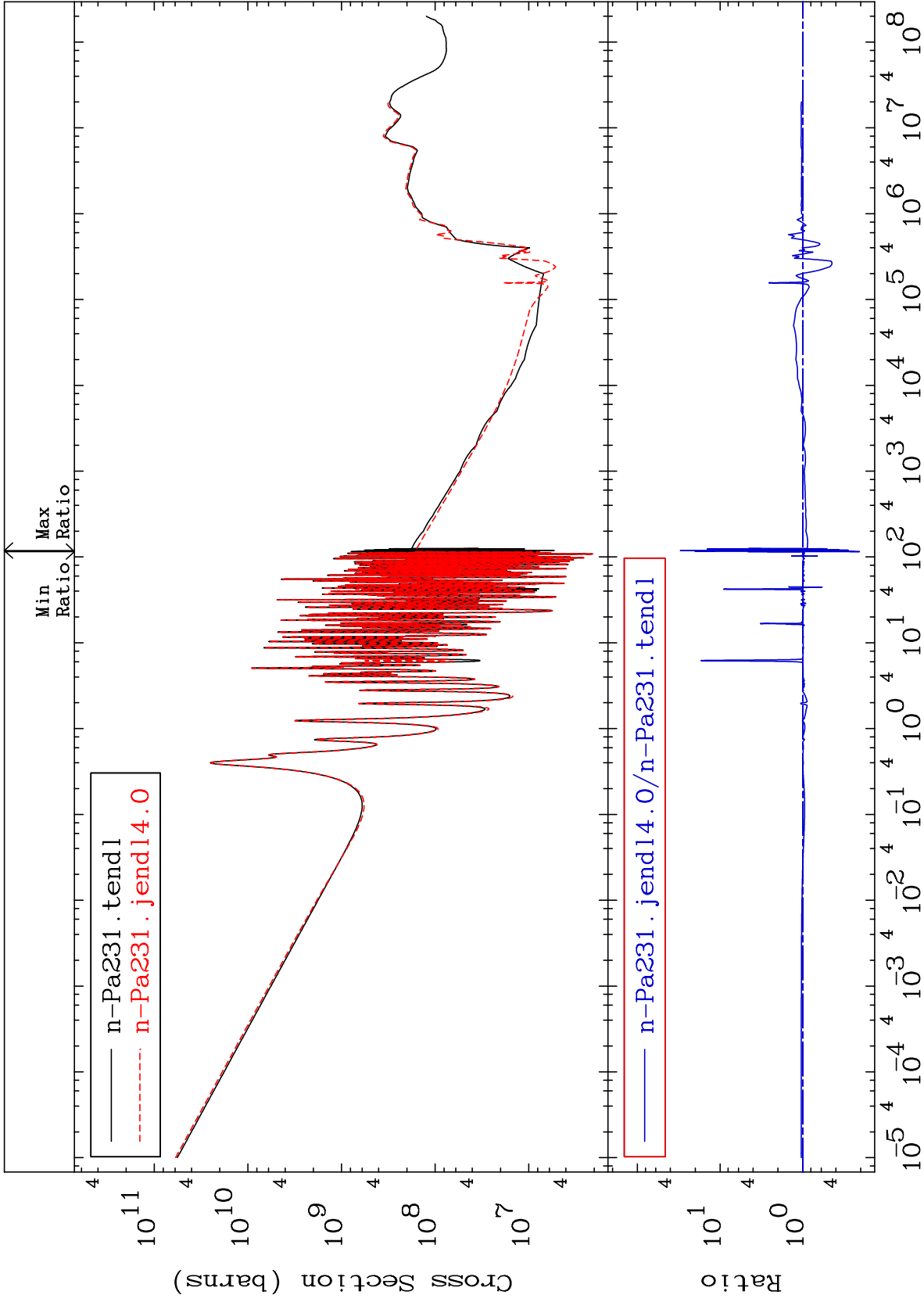
91-Pa-231
-30.89 To 96.15 %

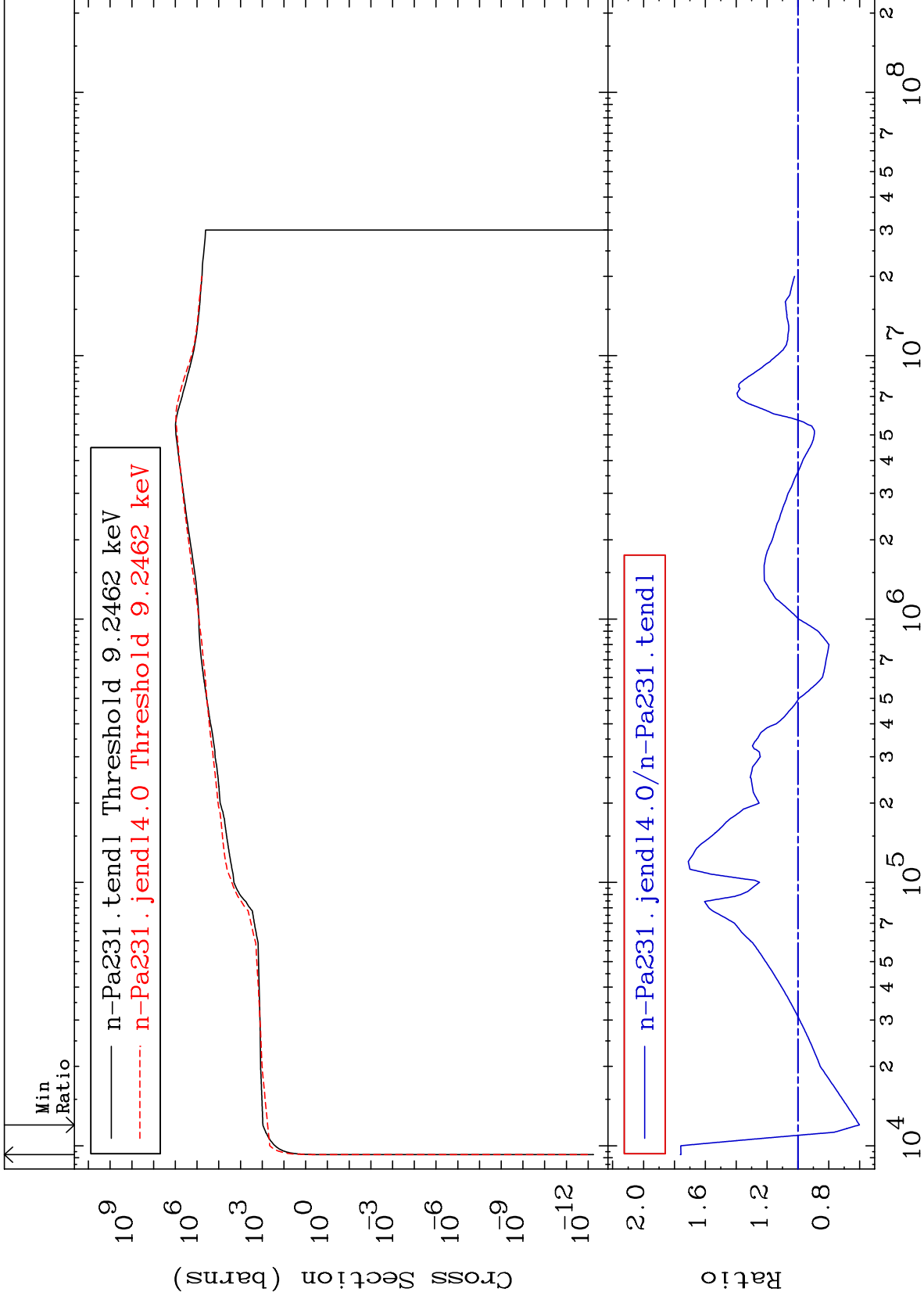


Incident Energy (eV)

91-Pa-231

44

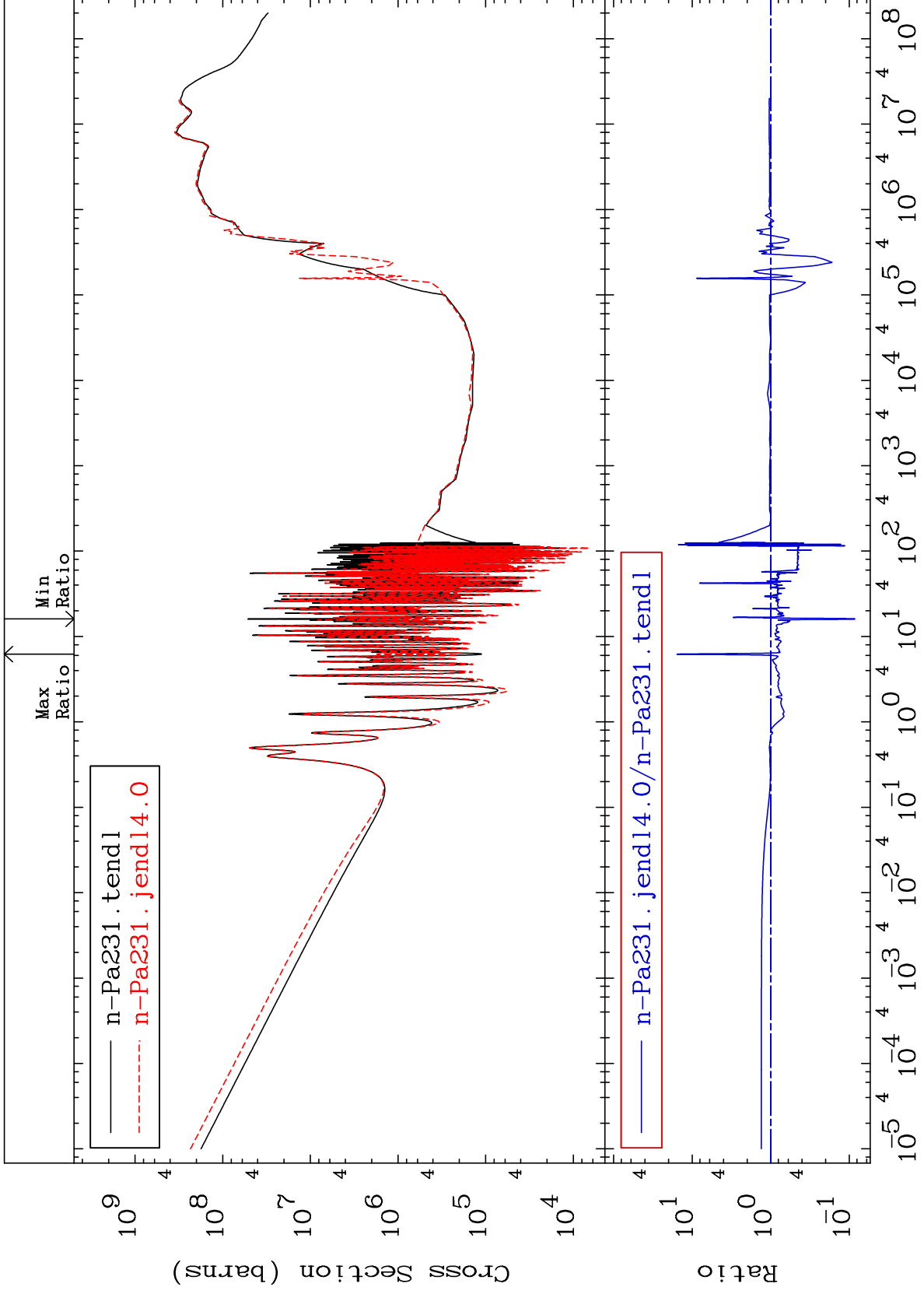


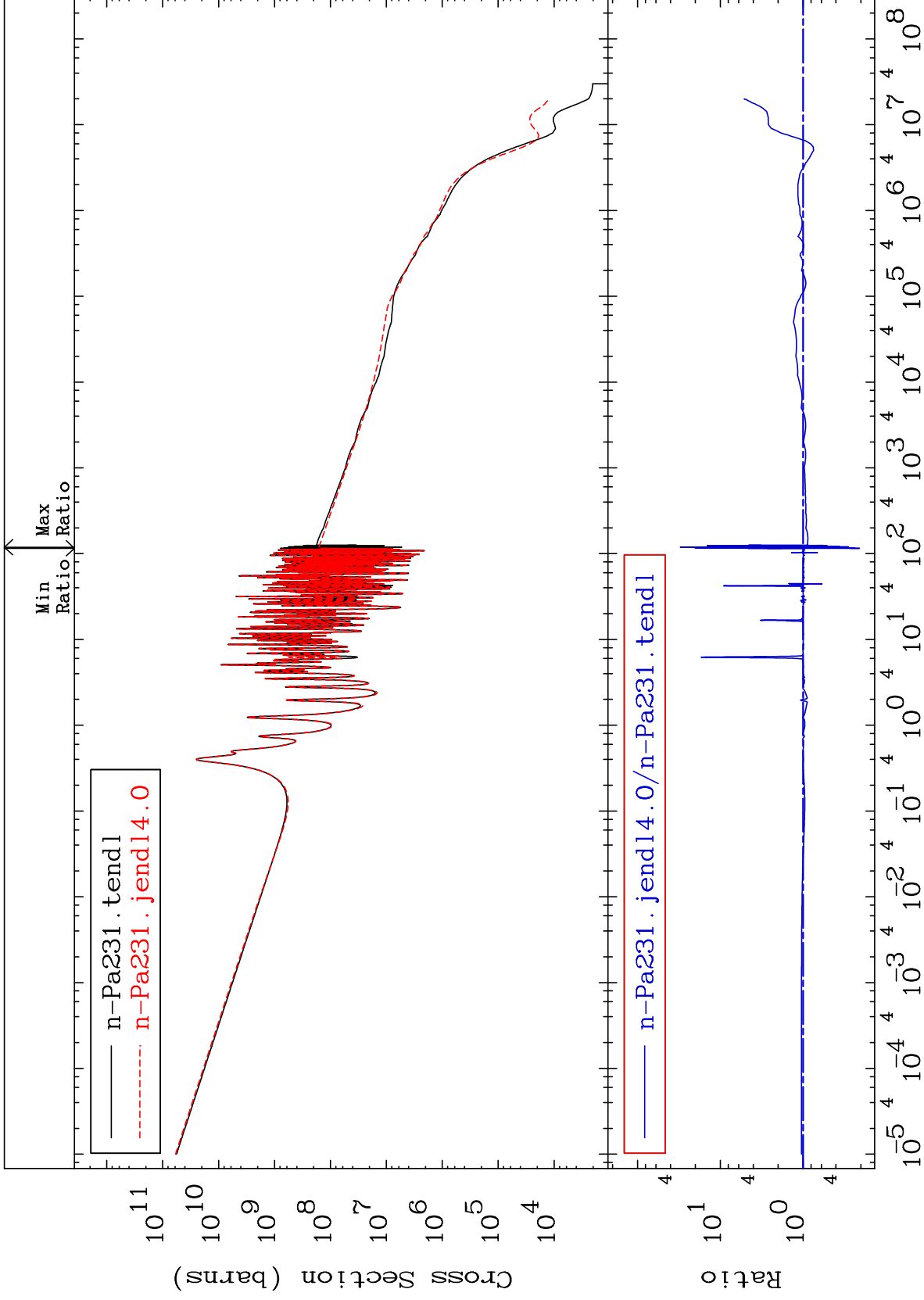


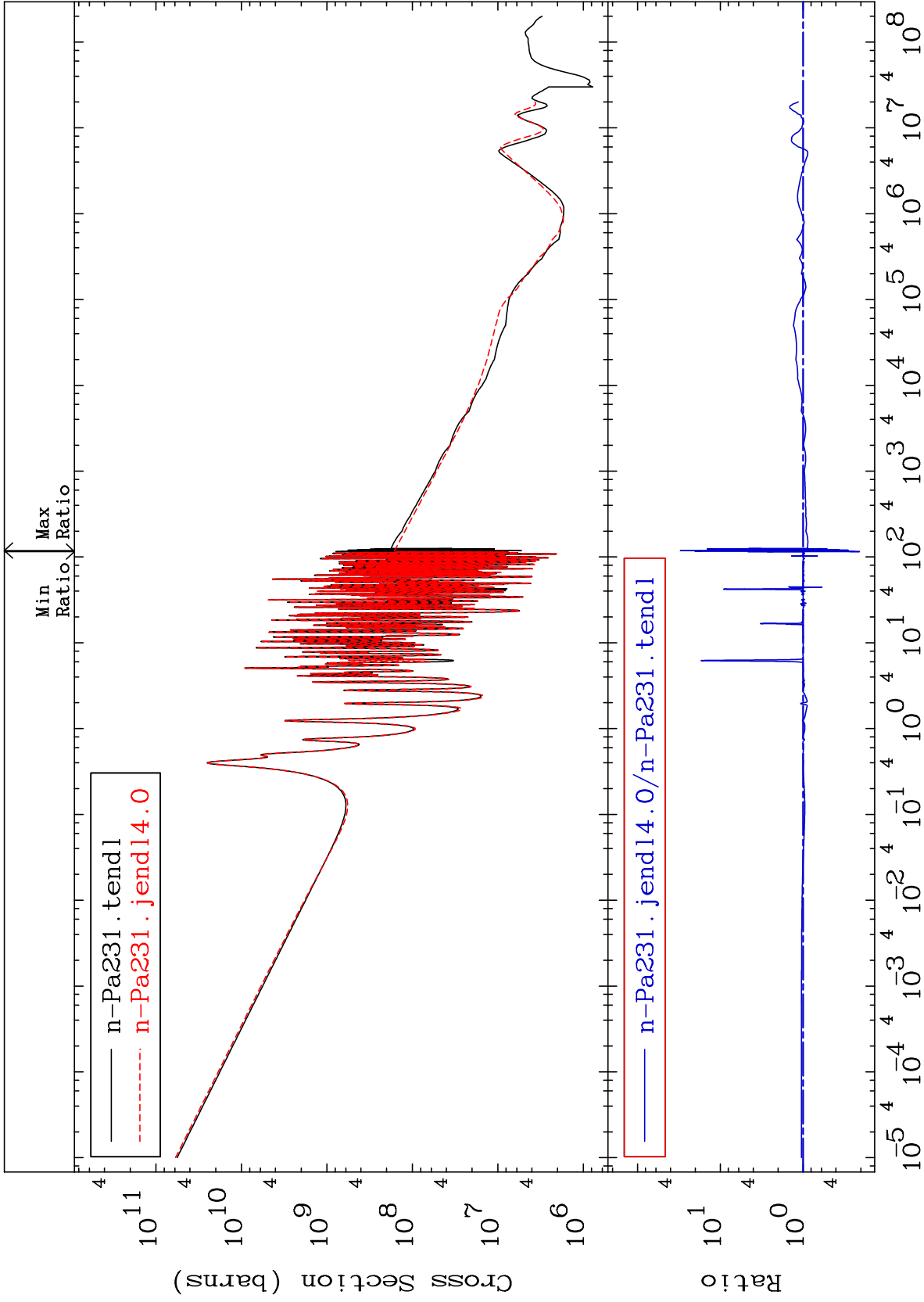
MAT 9131

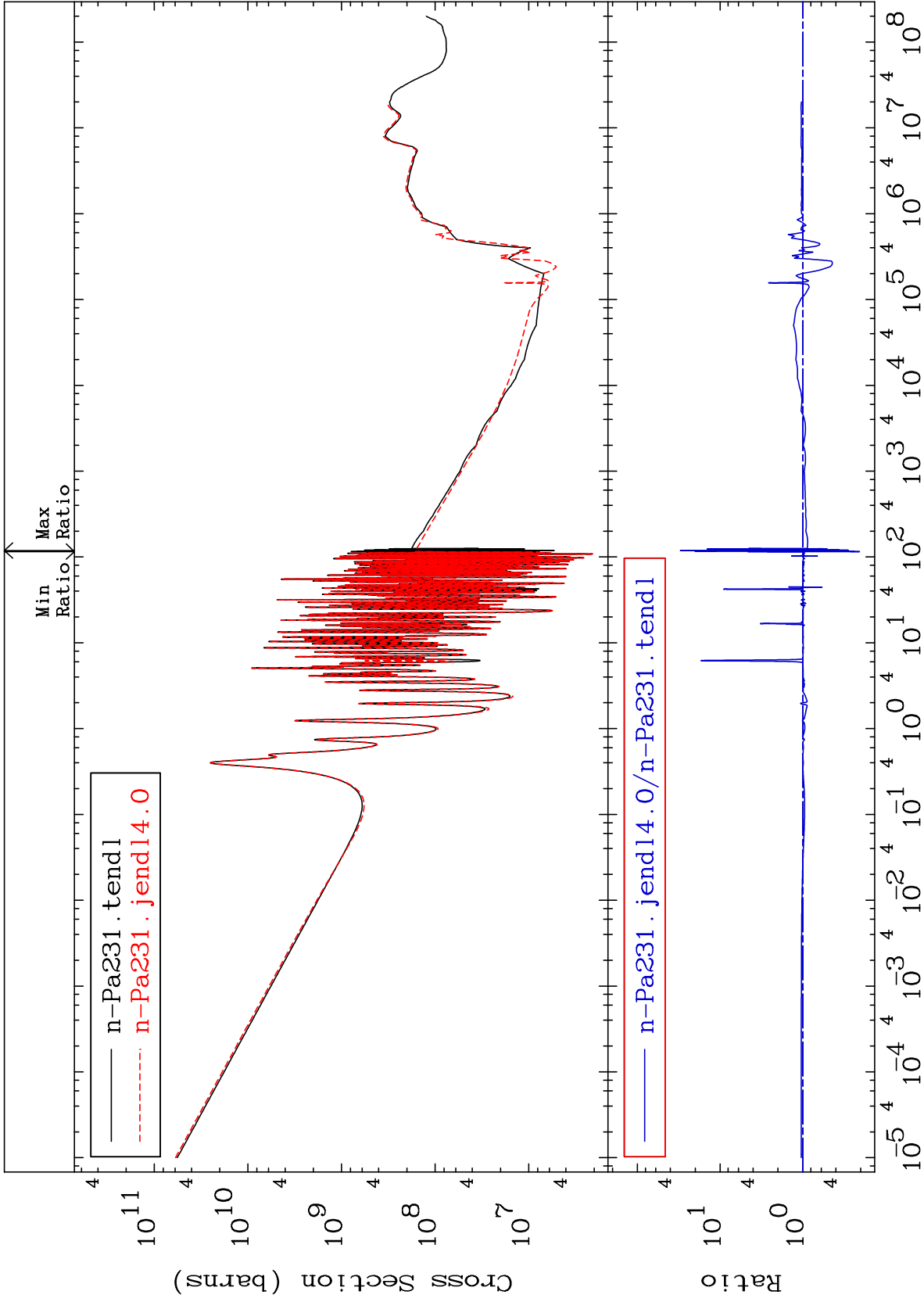
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

91-Pa-231
-91.55 To 1465. %









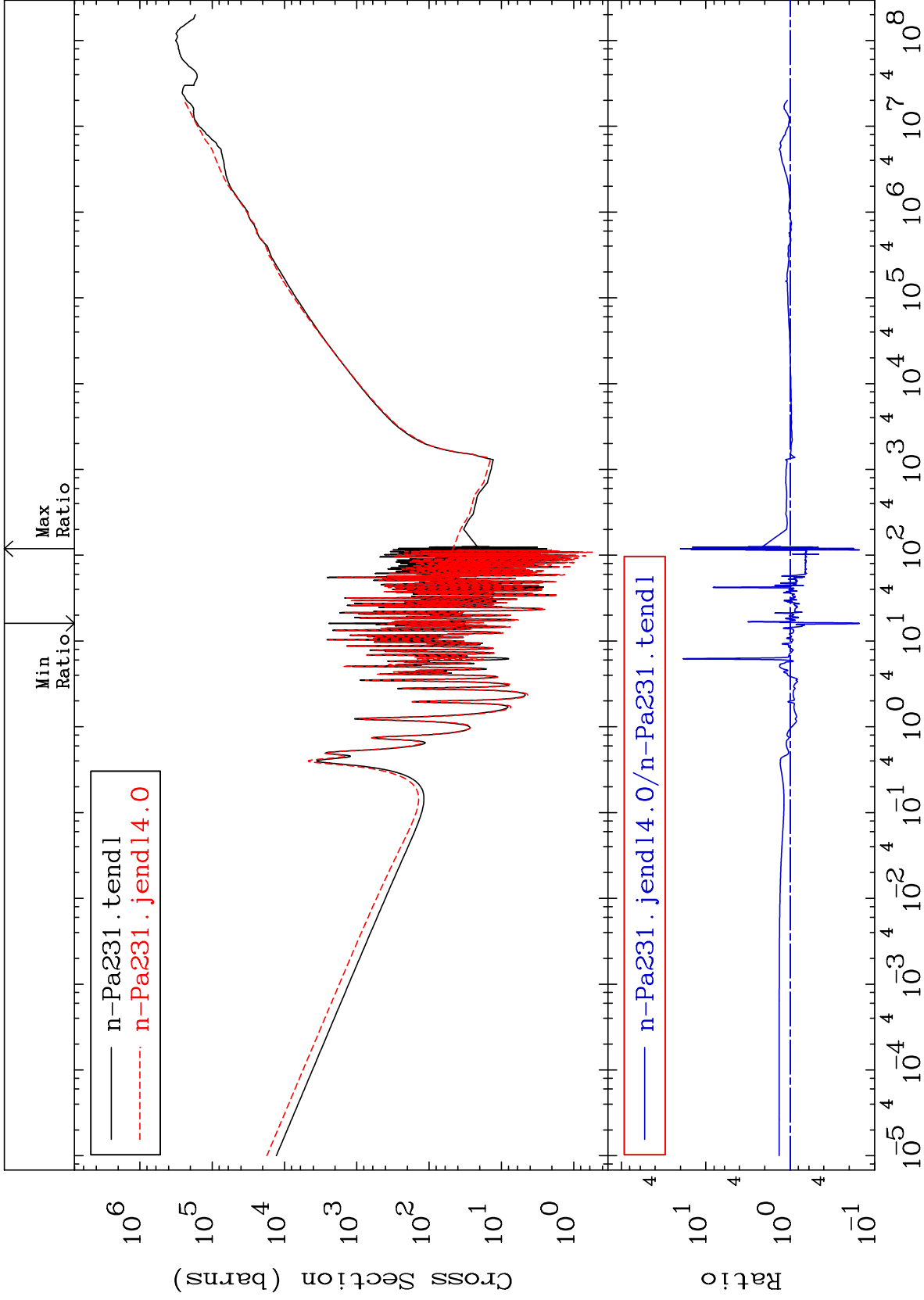
MAT 9131

Dpa total (eV-barns)

91-Pa-231

-84.86 To 1905. %

Cross Section



51

Incident Energy (eV)

91-Pa-231

MAT 9131

Dpa elastic (mt2)
Cross Section

91-Pa-231
-9.466 To 12.91 %

