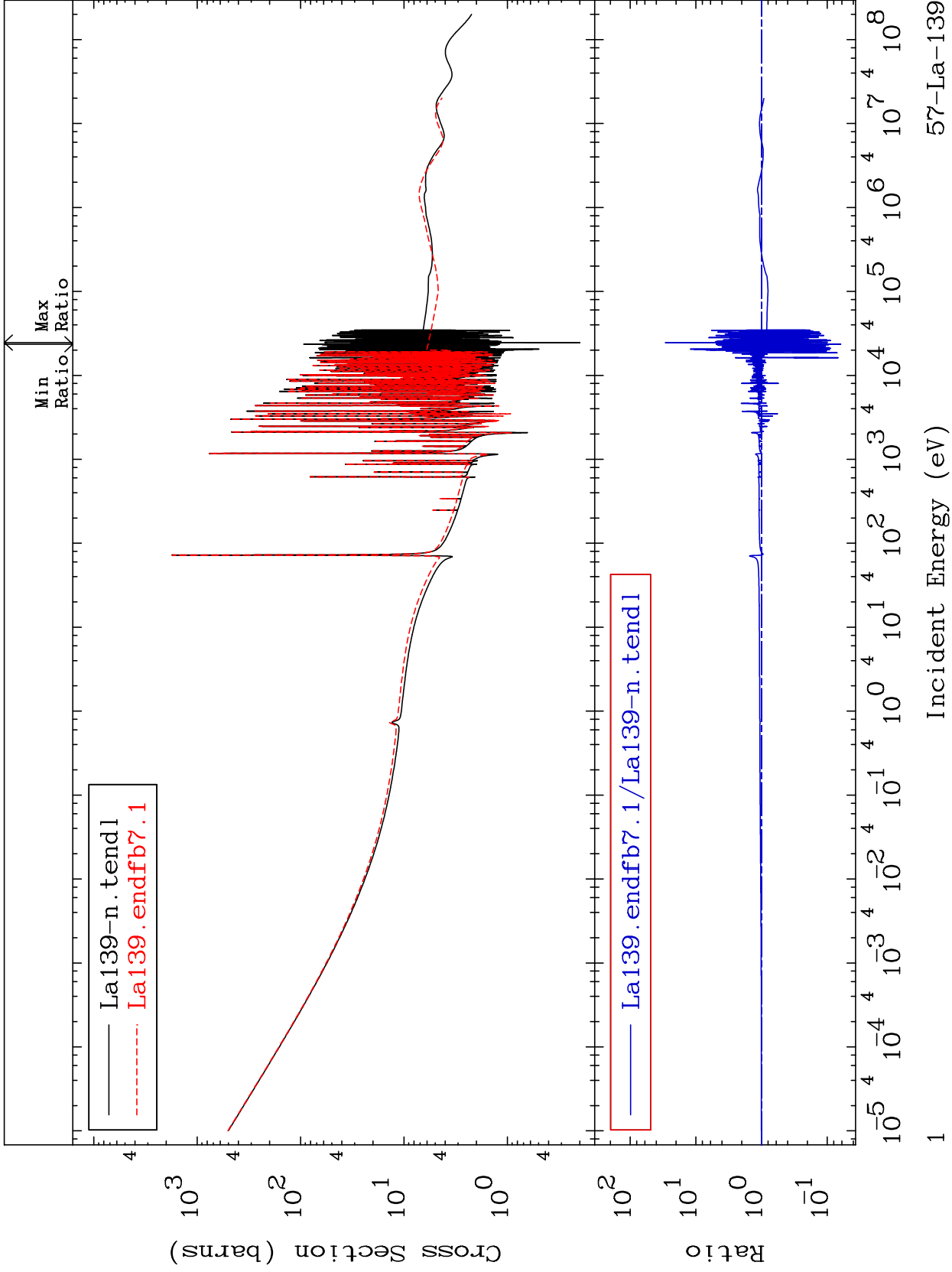


MAT 5728

Total
Cross Section

57-La-139
-93.75 To 2804. %



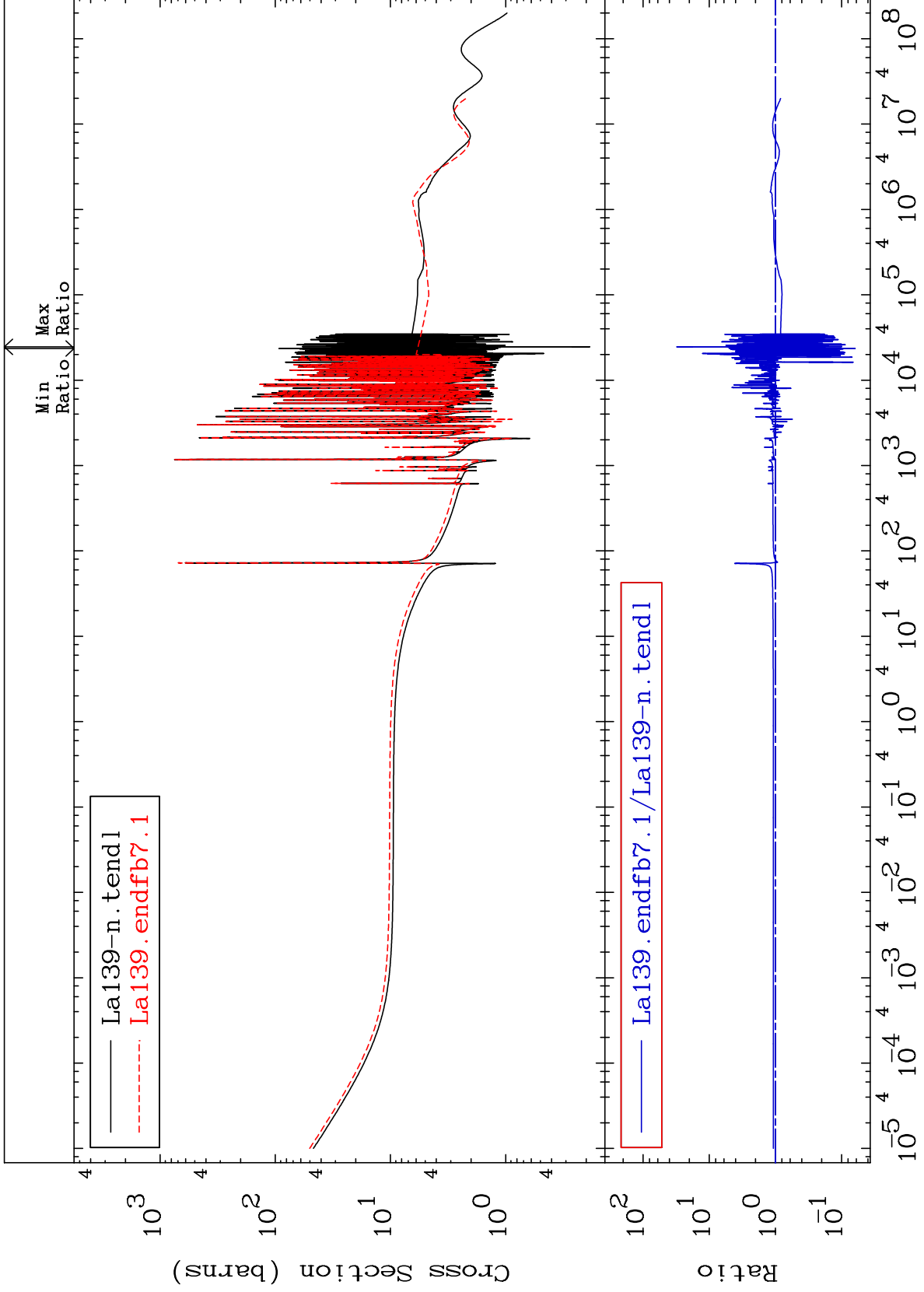
Incident Energy (eV)

57-La-139

MAT 5728

Elastic
Cross Section

57-La-139
-93.74 To 2988. %



Incident Energy (eV)

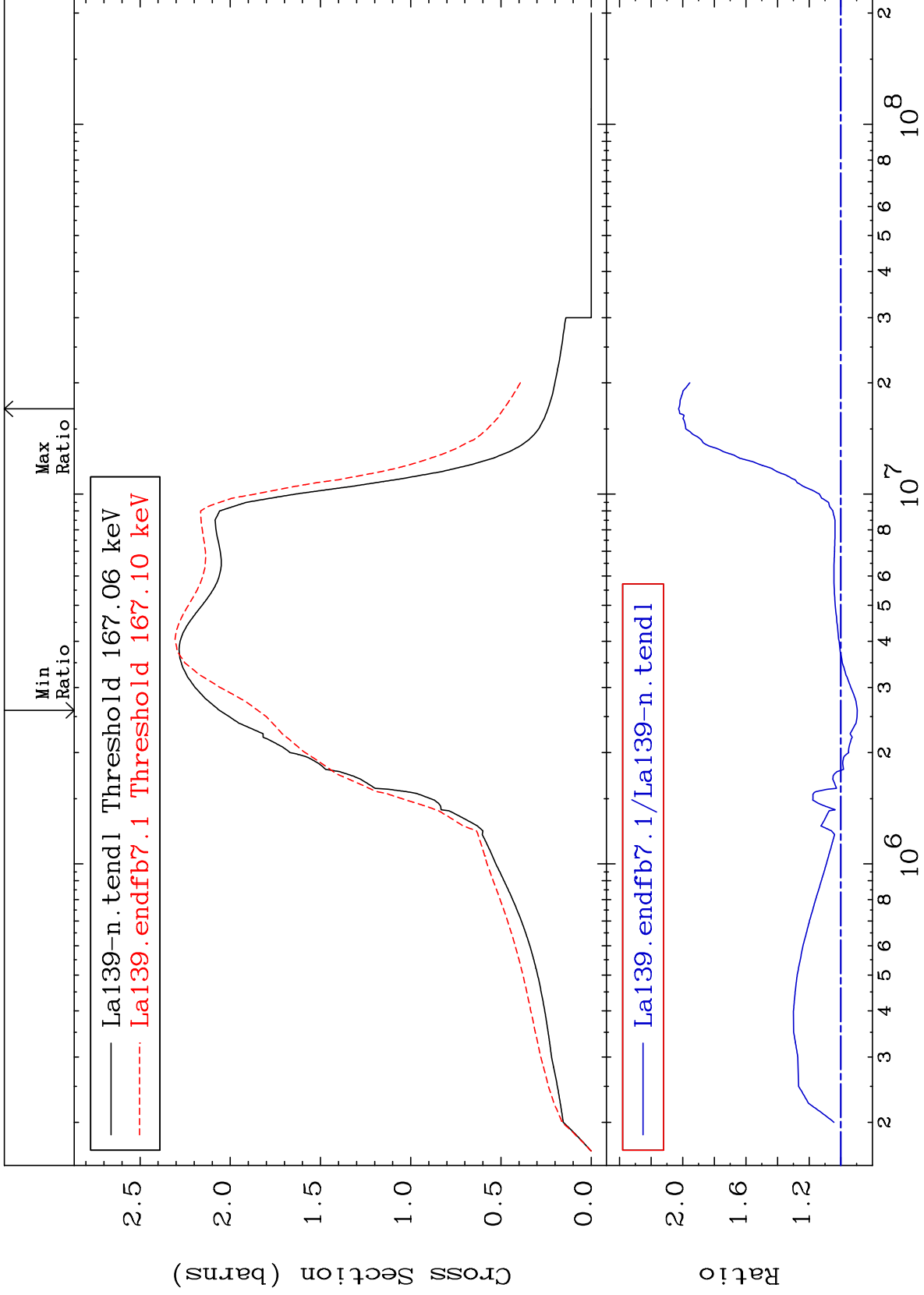
57-La-139

2

MAT 5728

Inelastic
Cross Section

57-La-139
-10.37 To 102.6 %



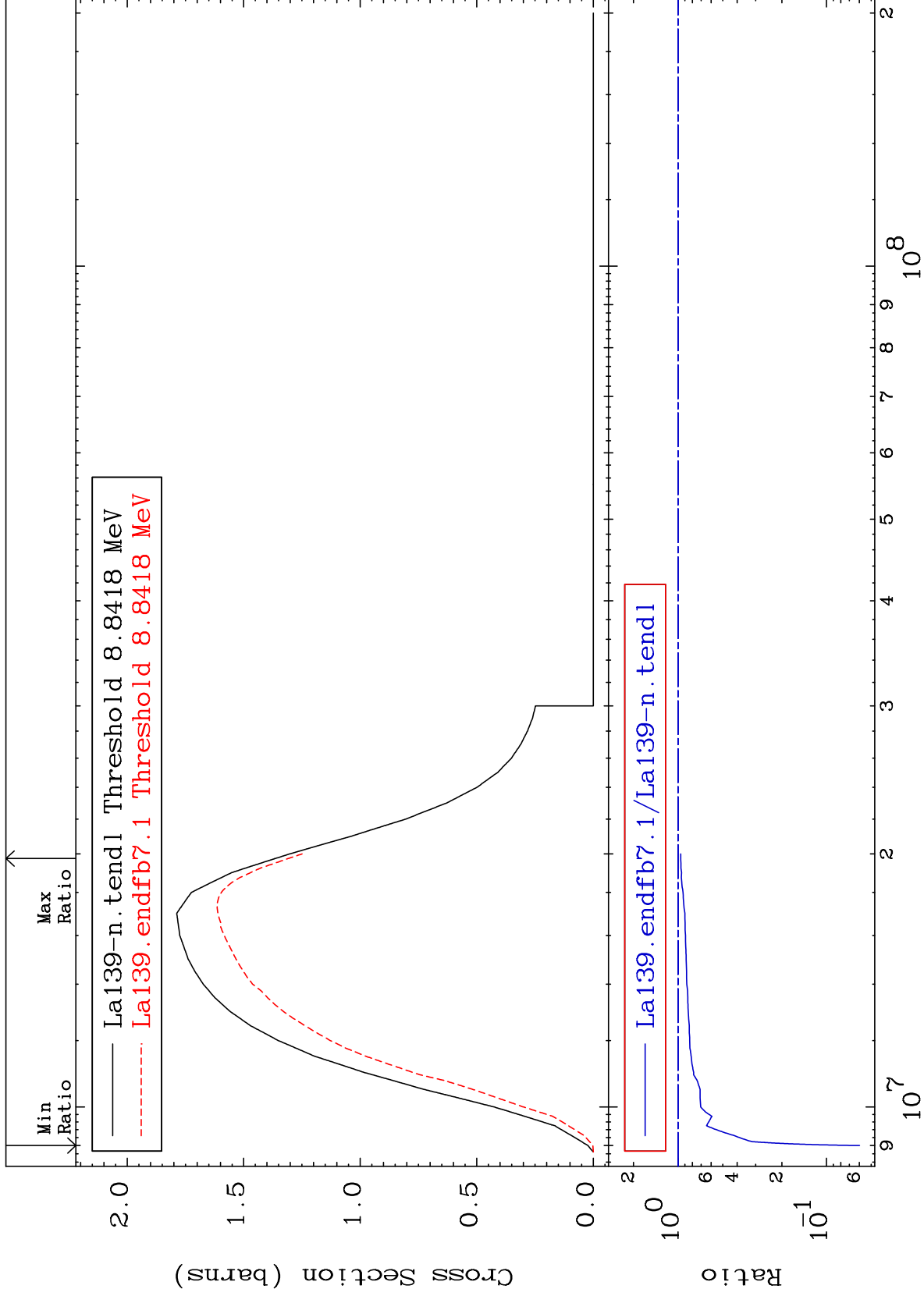
MAT 5728

(n,2n)

57-La-139

Cross Section

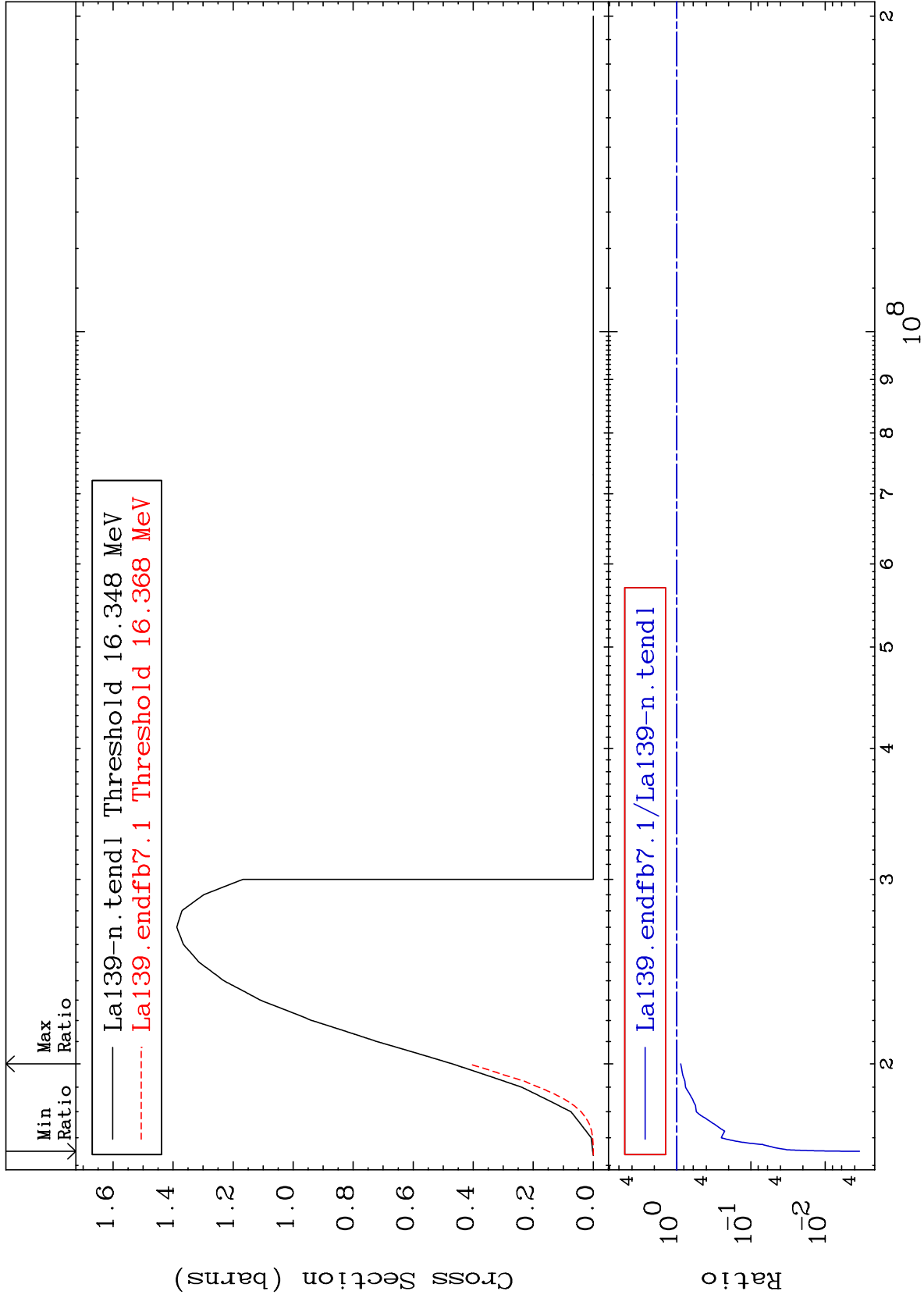
-94.02 To -4.055%



4

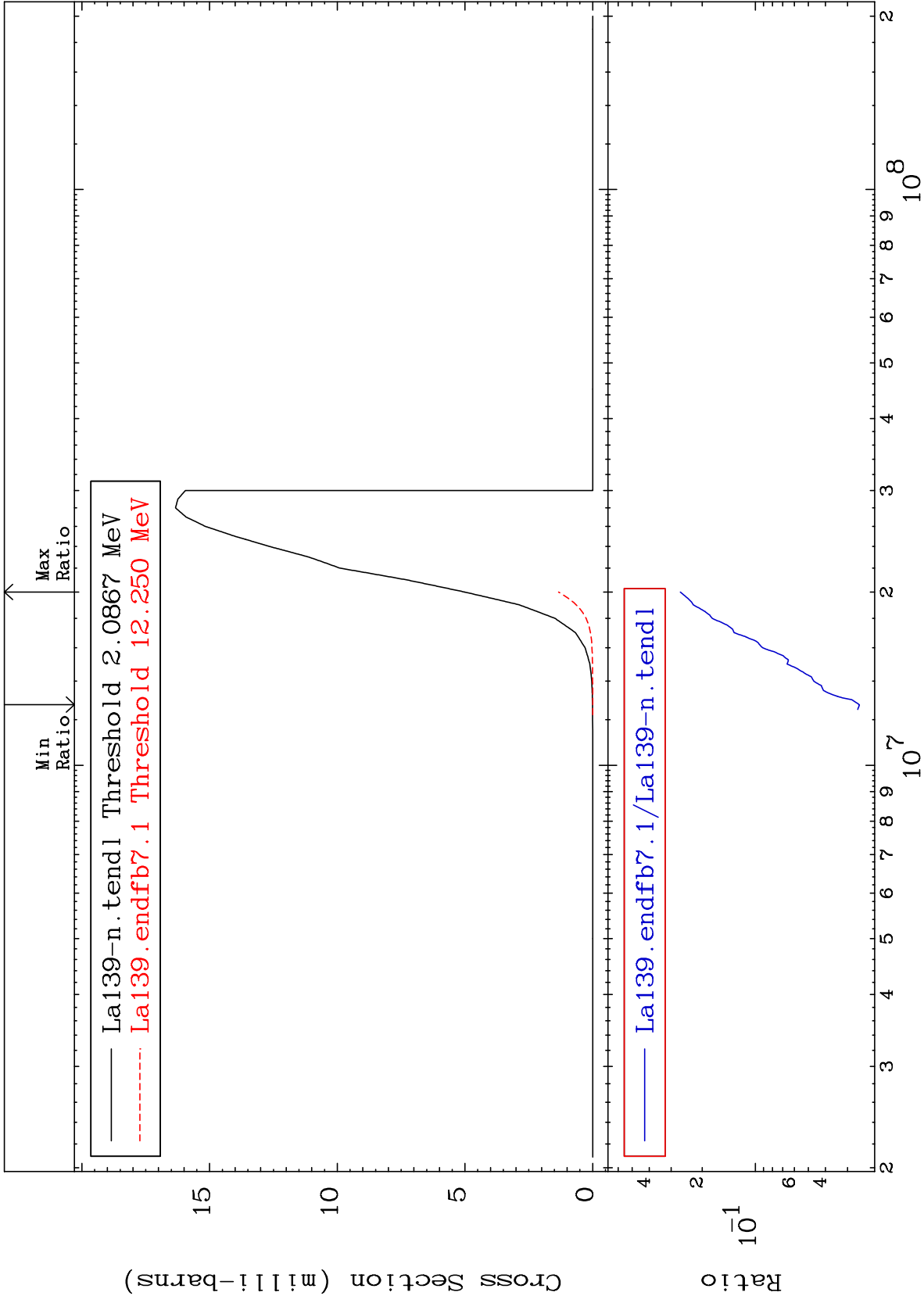
Incident Energy (eV)

57-La-139



MAT 5728

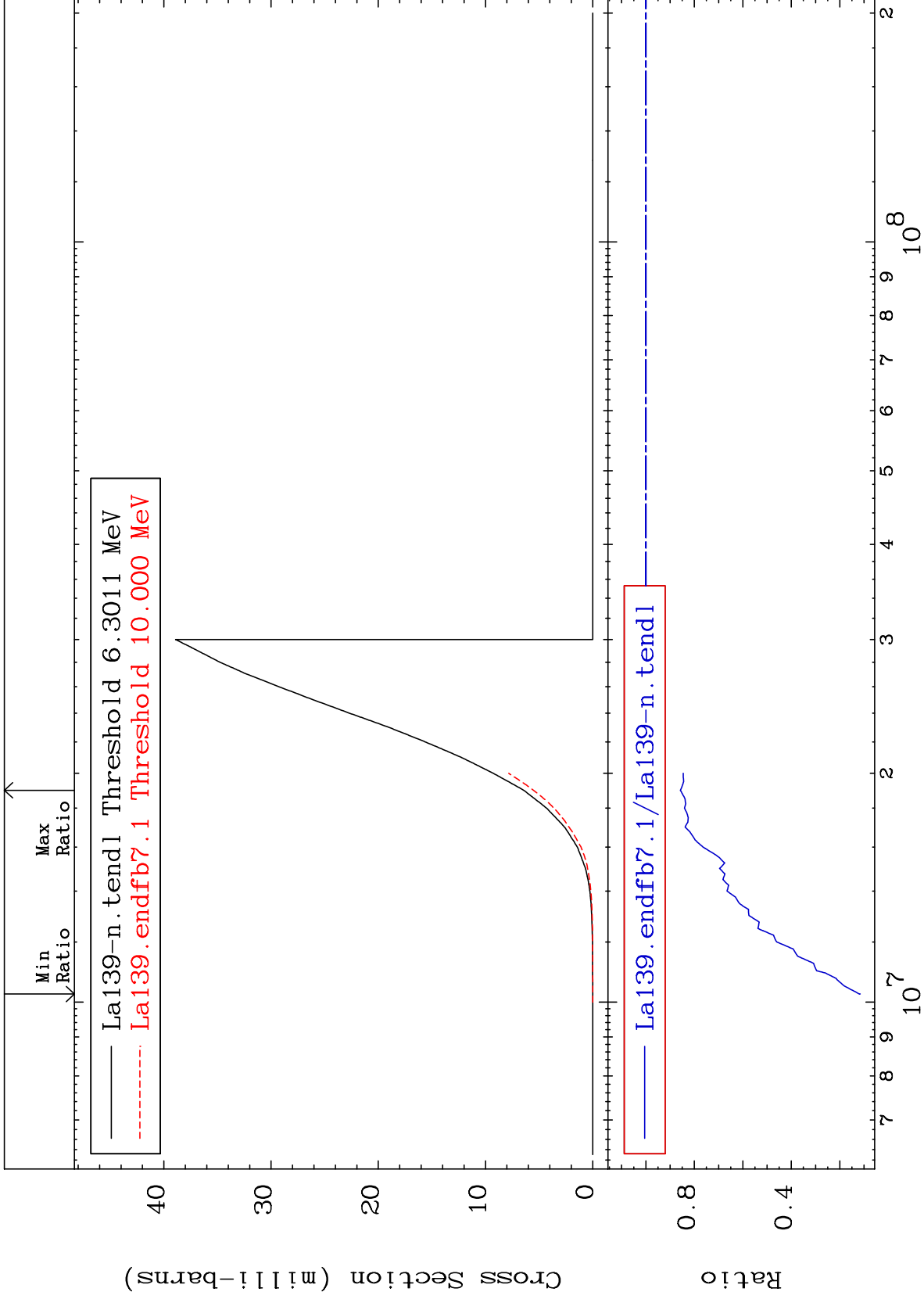
$(n, n') \alpha$ Cross Section
57-La-139
-97.43 To -73.39%



MAT 5728

(n,n') p
Cross Section

57-La-139
-88.10 To -14.23%



7

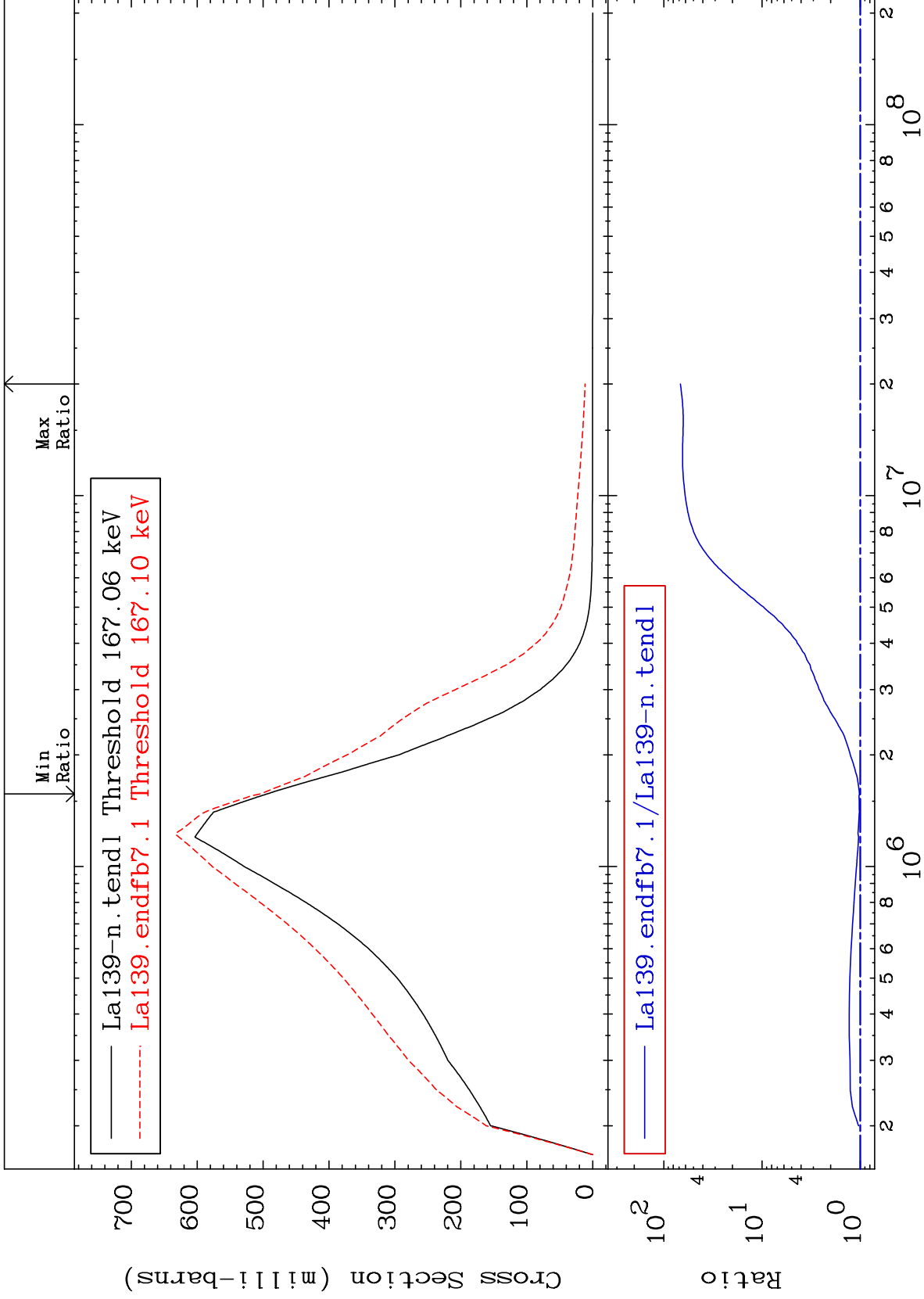
Incident Energy (eV)

57-La-139

MAT 5728

165.9 keV (n,n') Level
Cross Section

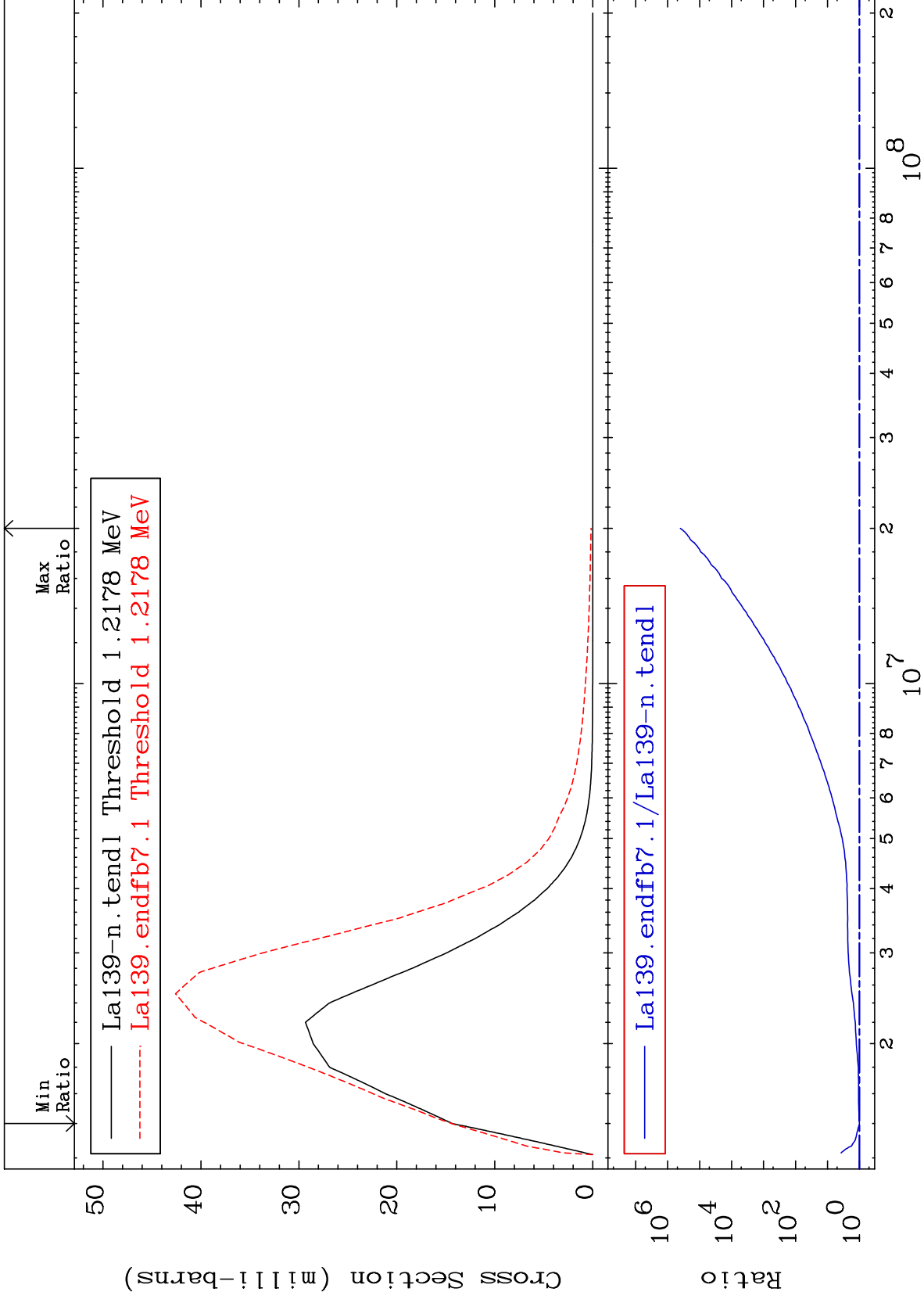
57-La-139
2.055 To 6684. %



MAT 5728

1.209 MeV (n,n') Level
Cross Section

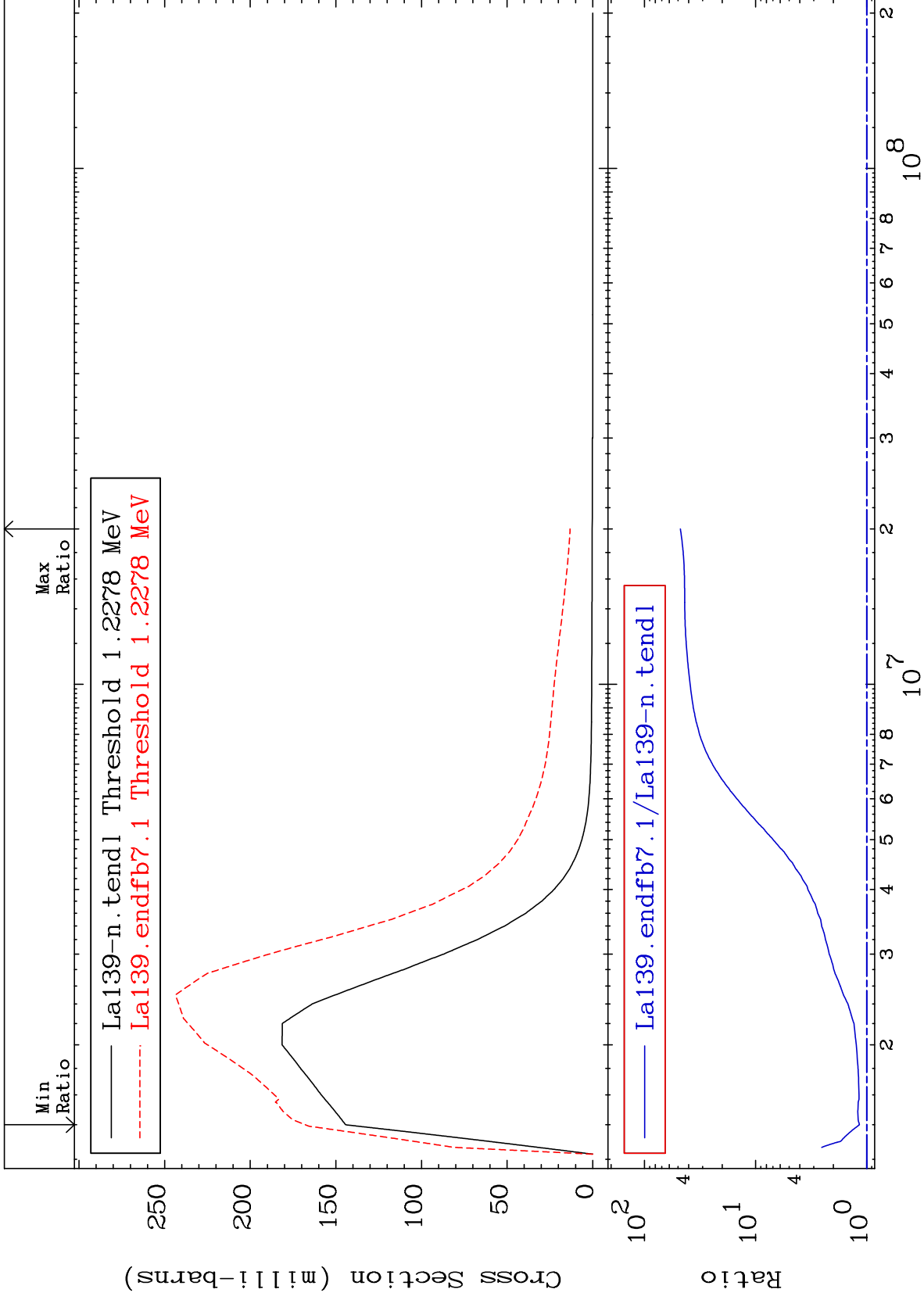
57-La-139
To 9999. %
0.255



MAT 5728

1.219 MeV (n,n') Level
Cross Section

57-La-139
16.34 To 4659. %



10

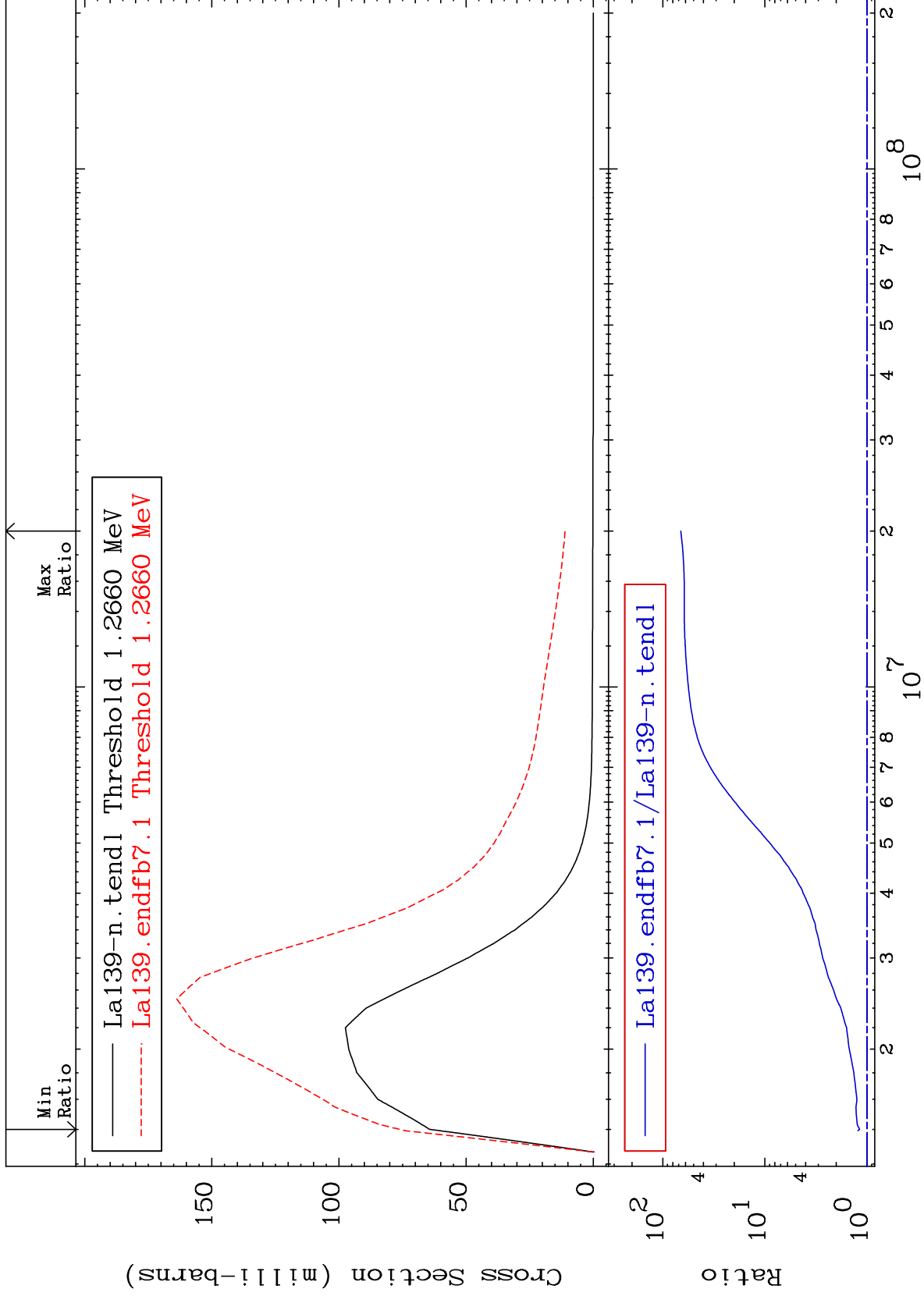
Incident Energy (eV)

57-La-139

MAT 5728

1.257 MeV (n,n') Level
Cross Section

57-La-139
18.31 To 6571. %



11

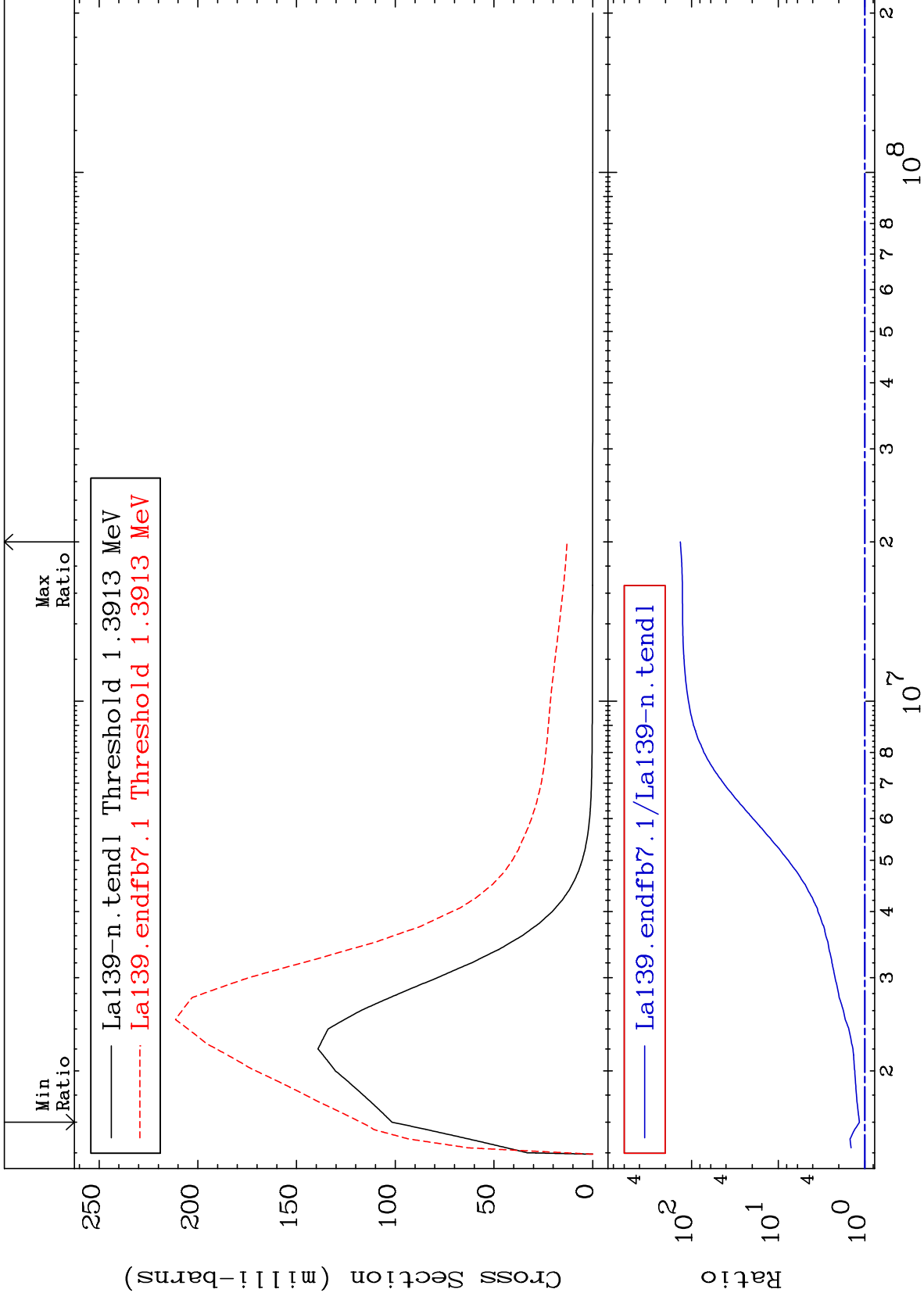
Incident Energy (eV)

57-La-139

MAT 5728

1.381 MeV (n,n') Level
Cross Section

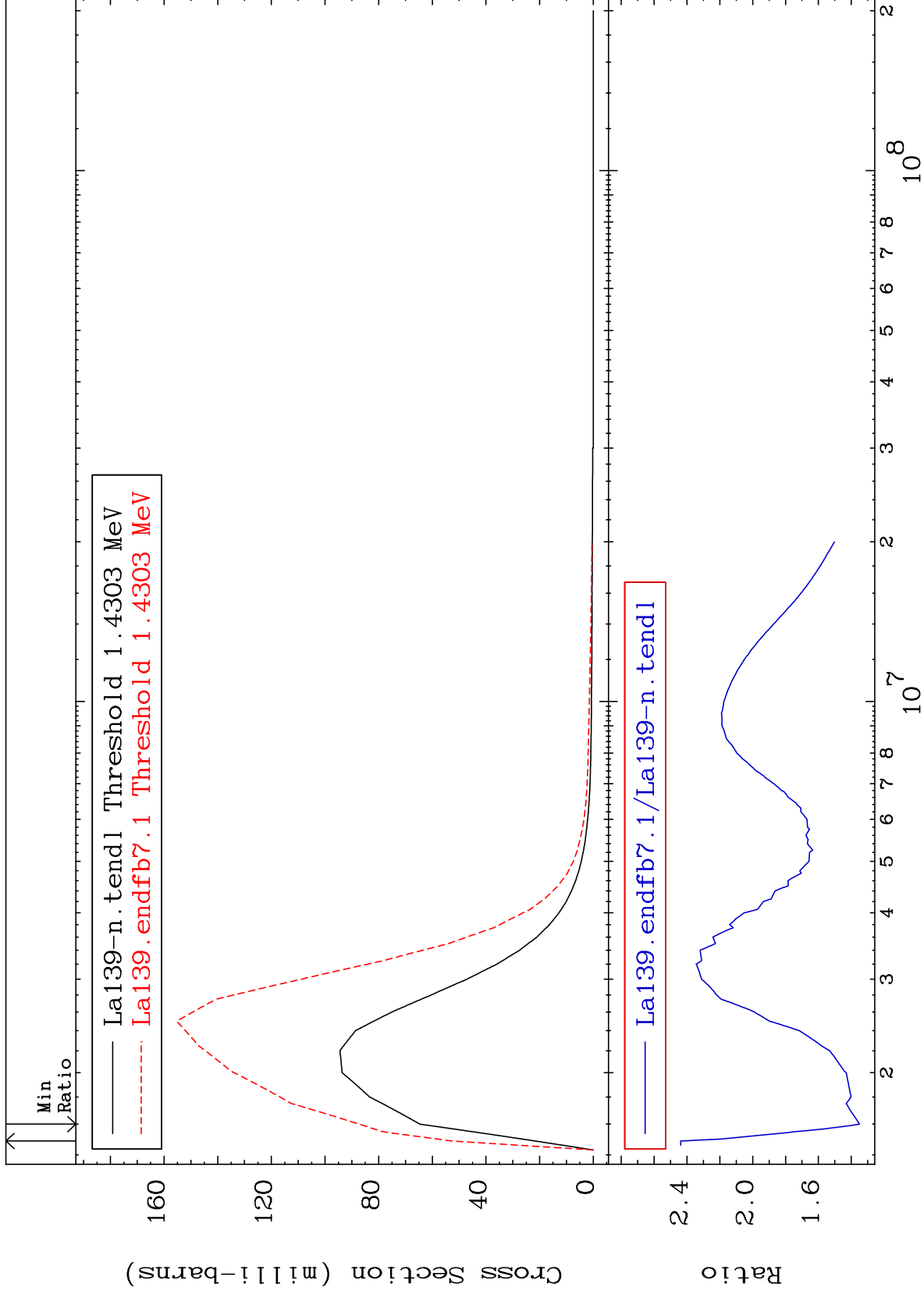
57-La-139
To 9999. %
15.60



MAT 5728

1.420 MeV (n,n') Level
Cross Section

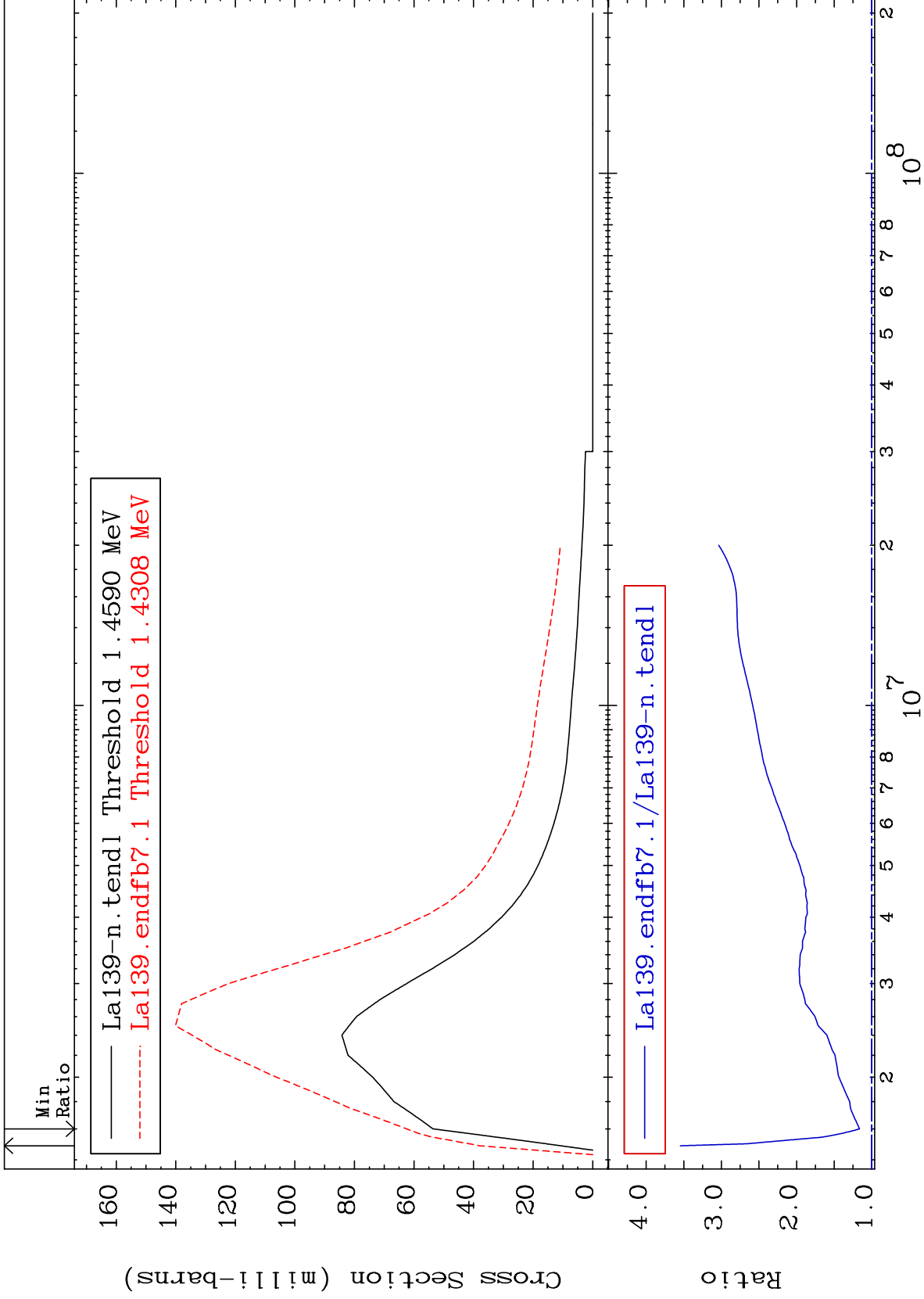
57-La-139
34.97 To 143.7 %



MAT 5728

1.448 MeV (n,n') Level
Cross Section

57-La-139
16.46 To 254.5 %



14

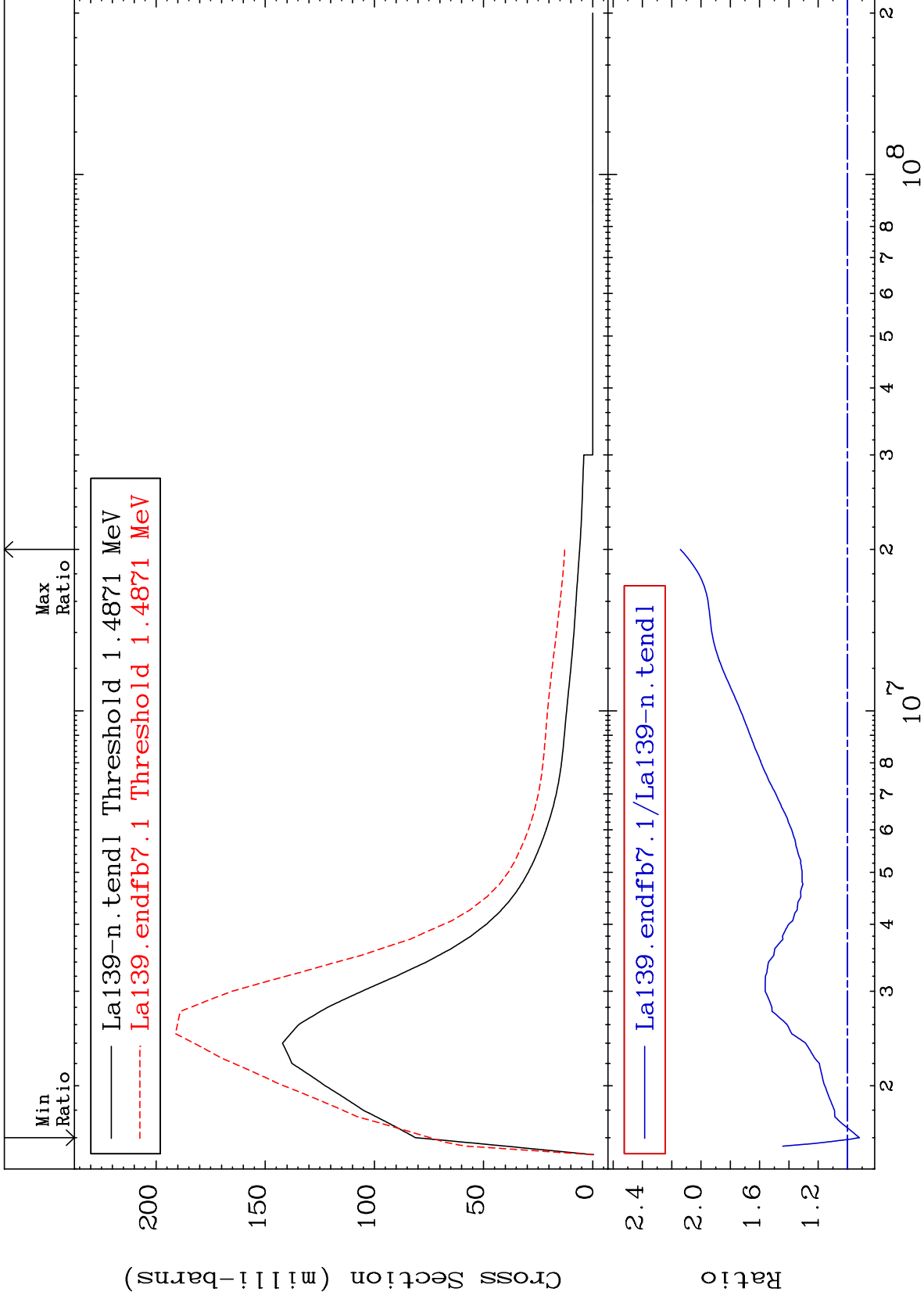
Incident Energy (eV)

57-La-139

MAT 5728

1.476 MeV (n,n') Level
Cross Section

57-La-139
-8.119 To 114.1 %



15

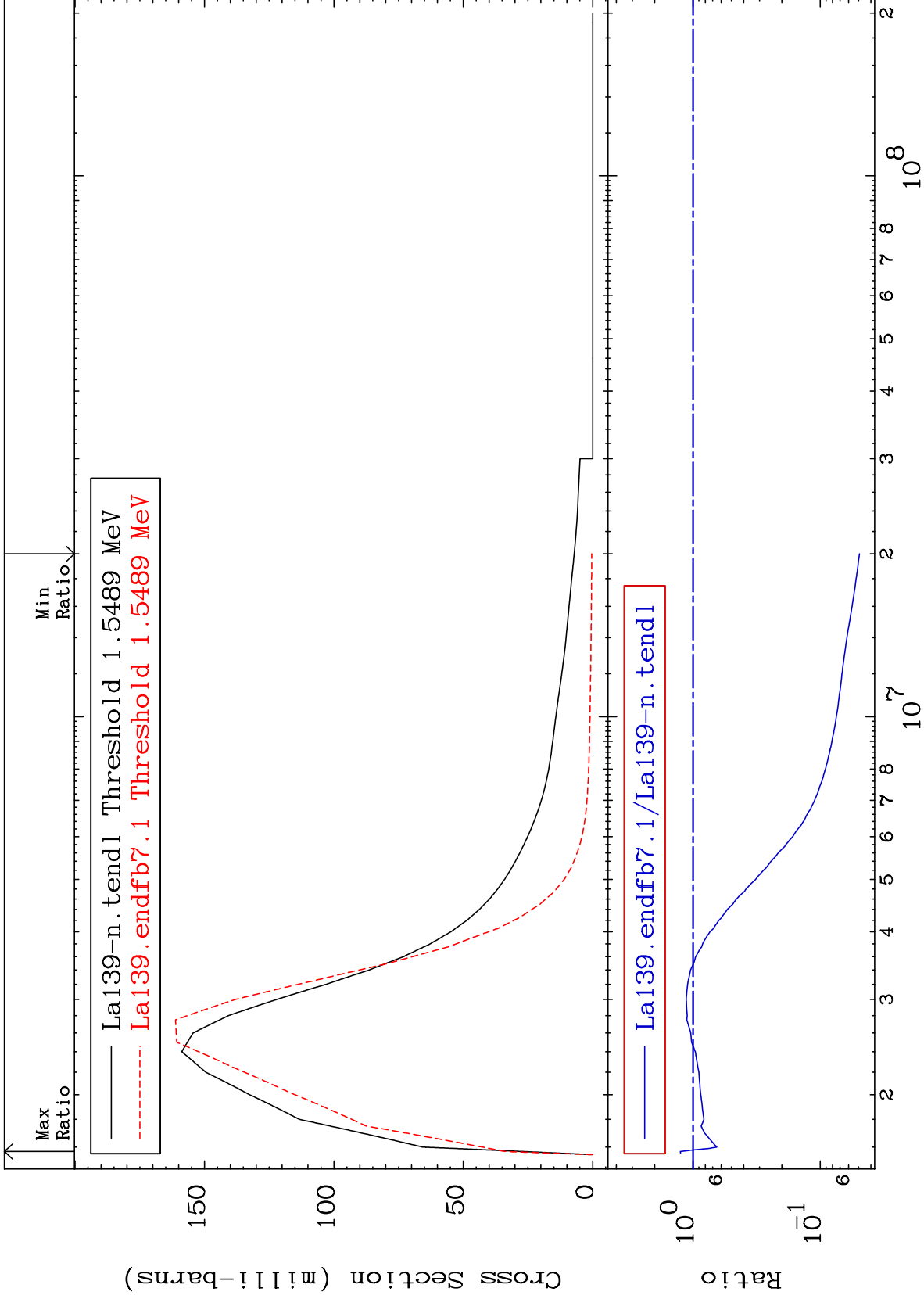
Incident Energy (eV)

57-La-139

MAT 5728

1.538 MeV (n,n') Level
Cross Section

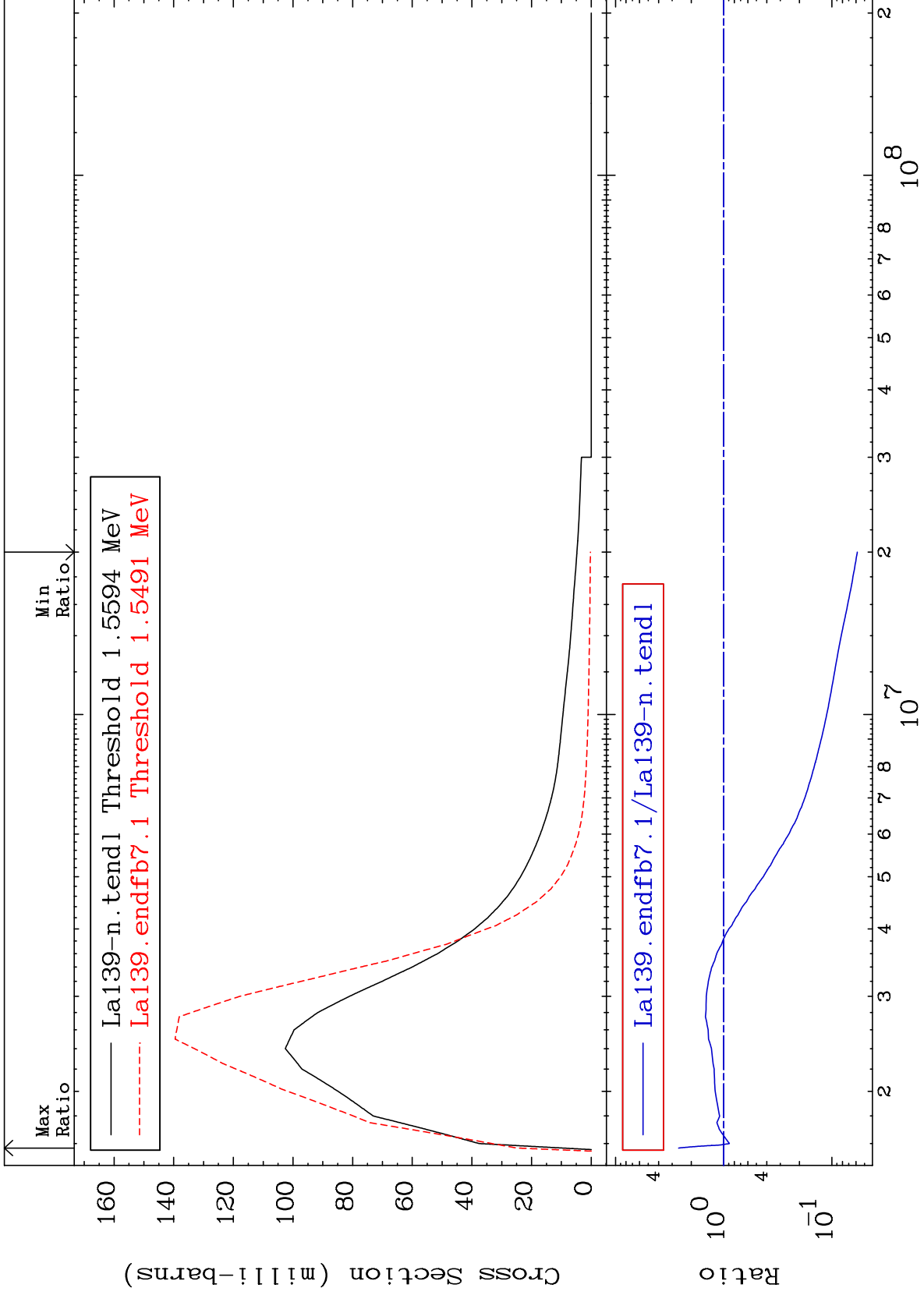
57-La-139
-95.08 To 25.69 %



MAT 5728

1.548 MeV (n,n') Level
Cross Section

57-La-139
-94.17 To 161.2 %



17

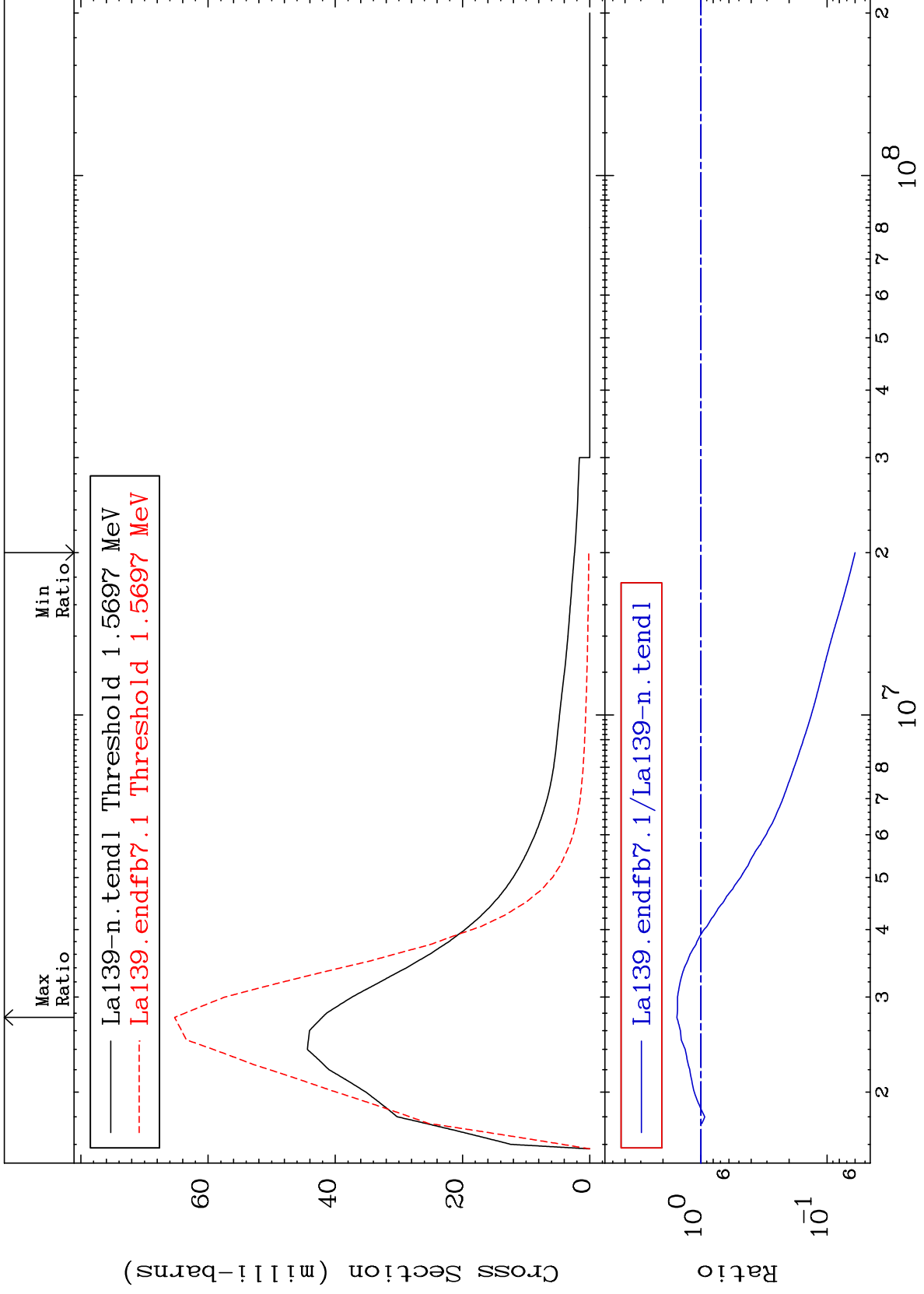
Incident Energy (eV)

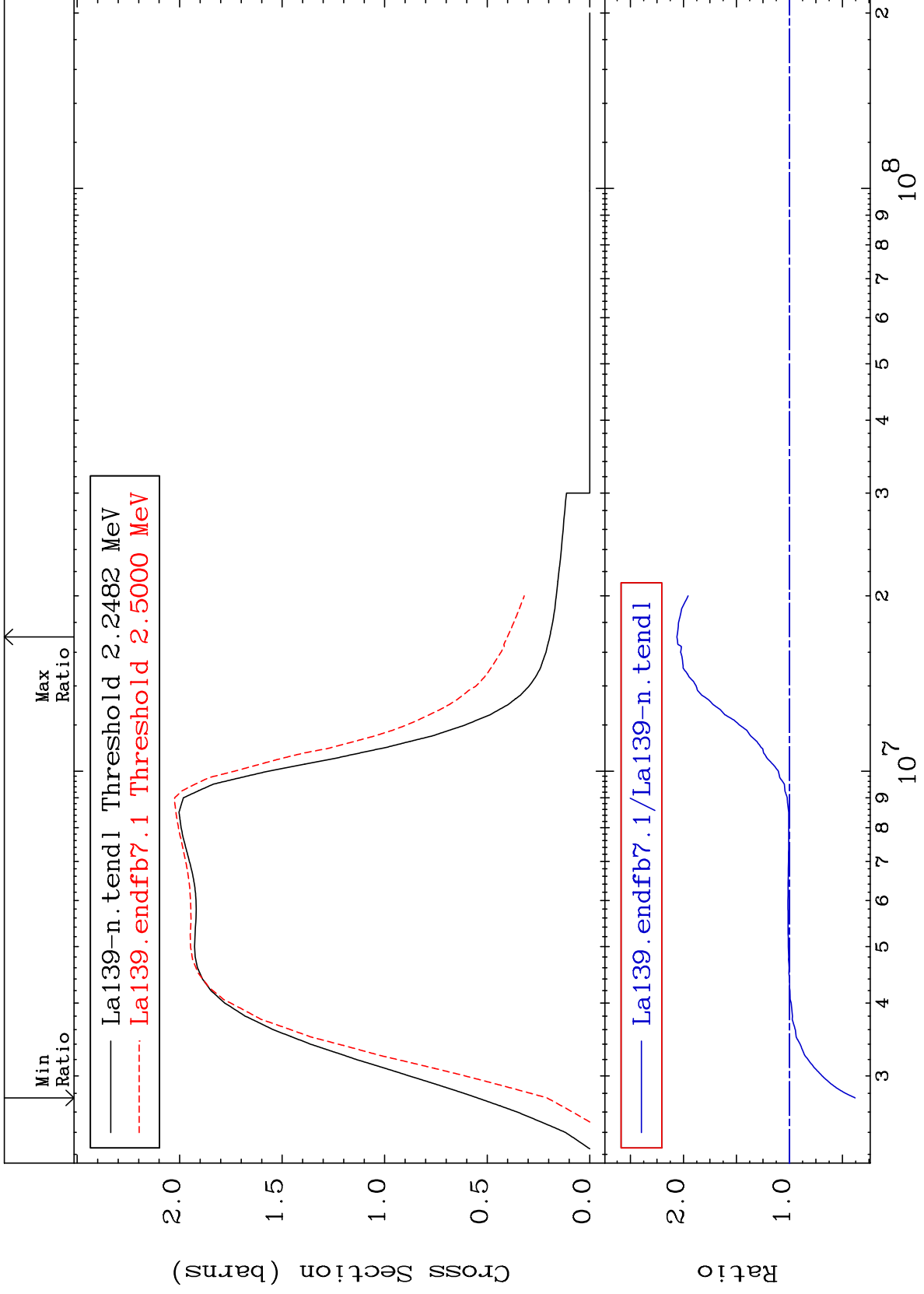
57-La-139

MAT 5728

1.558 MeV (n,n') Level
Cross Section

57-La-139
-93.99 To 55.17 %

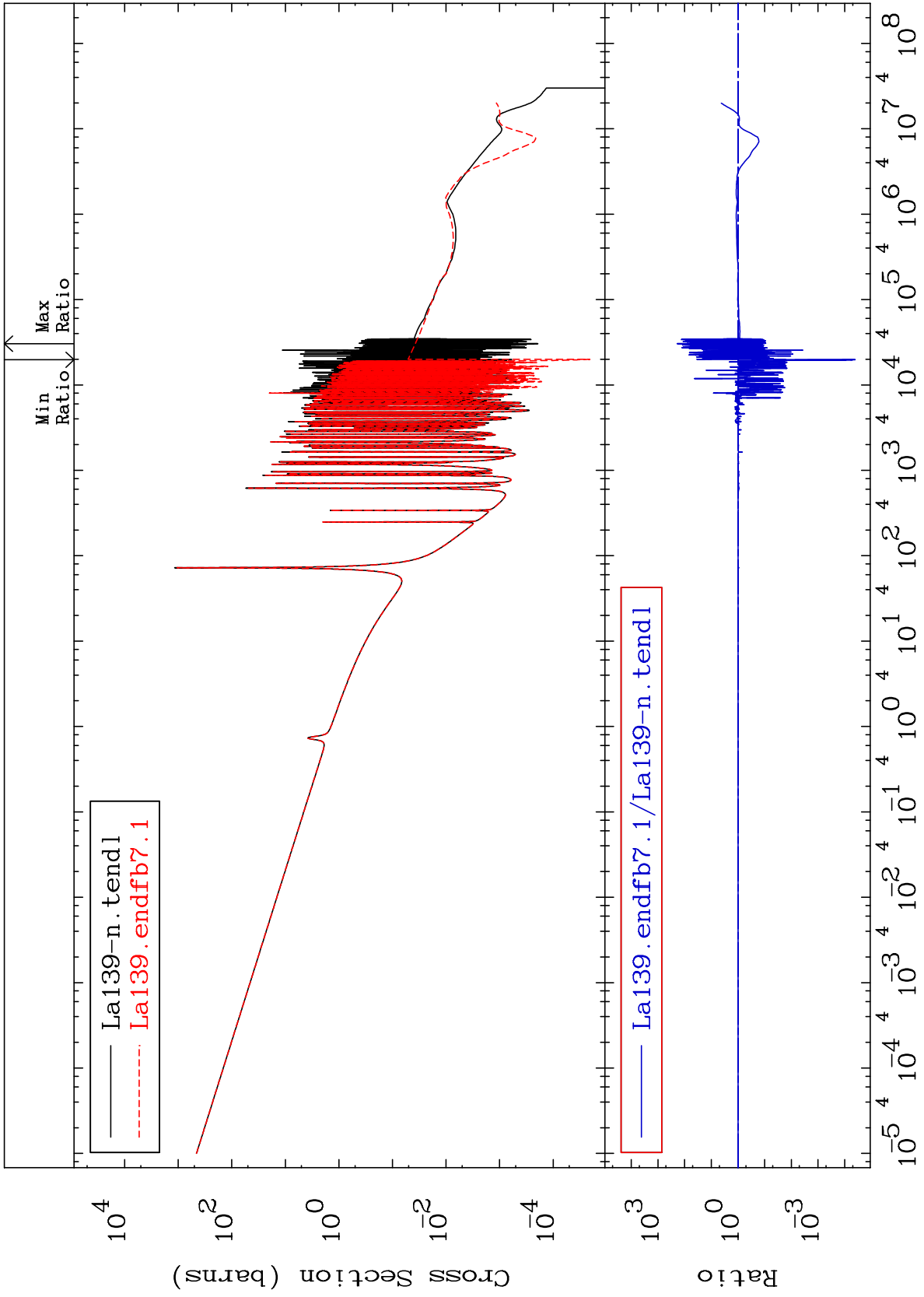




MAT 5728

(n, γ)
Cross Section

57-La-139
-100.0 To 9999. %



20

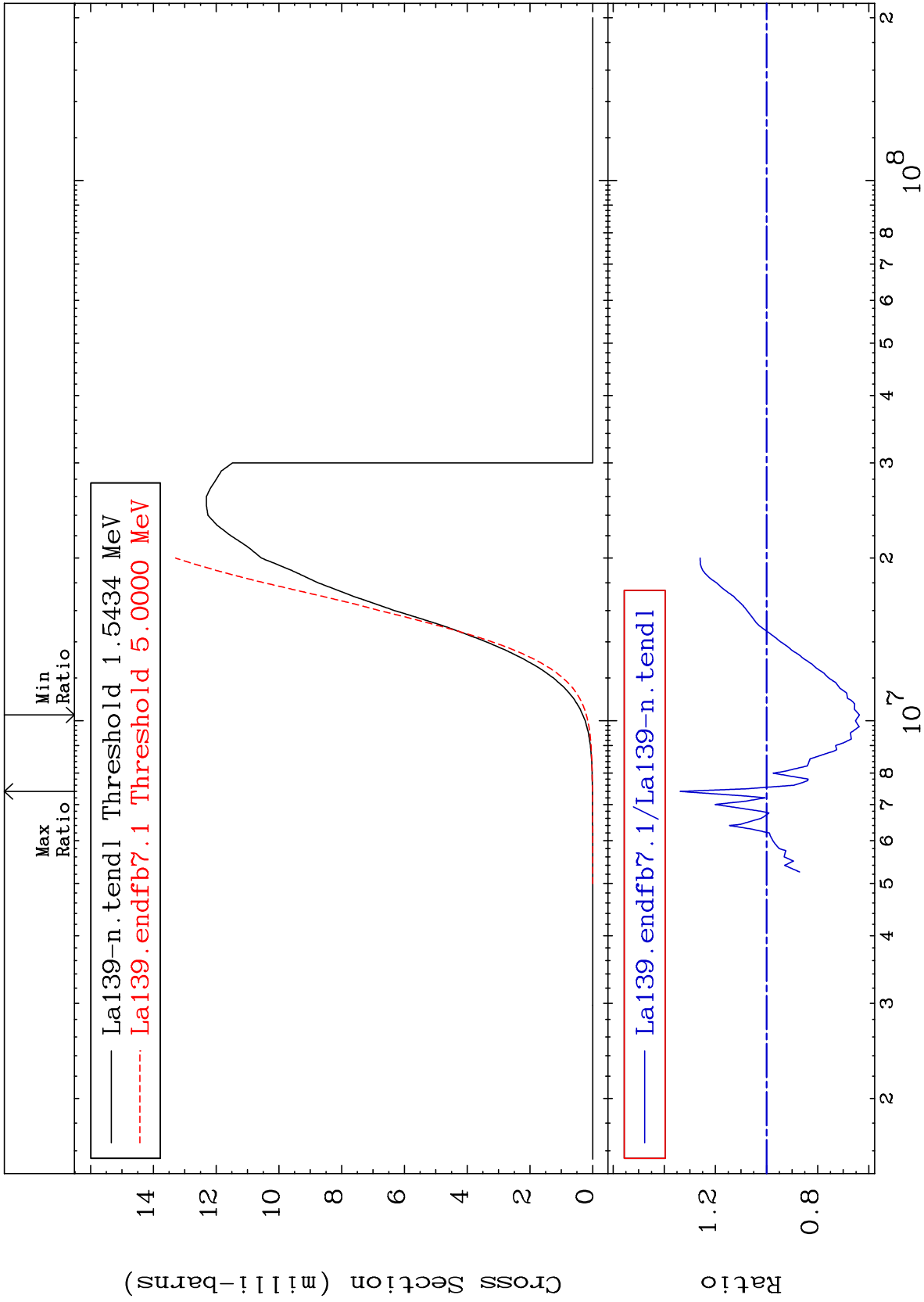
Incident Energy (eV)

57-La-139

MAT 5728

(n, p)
Cross Section

57-La-139
-36.33 To 33.71 %



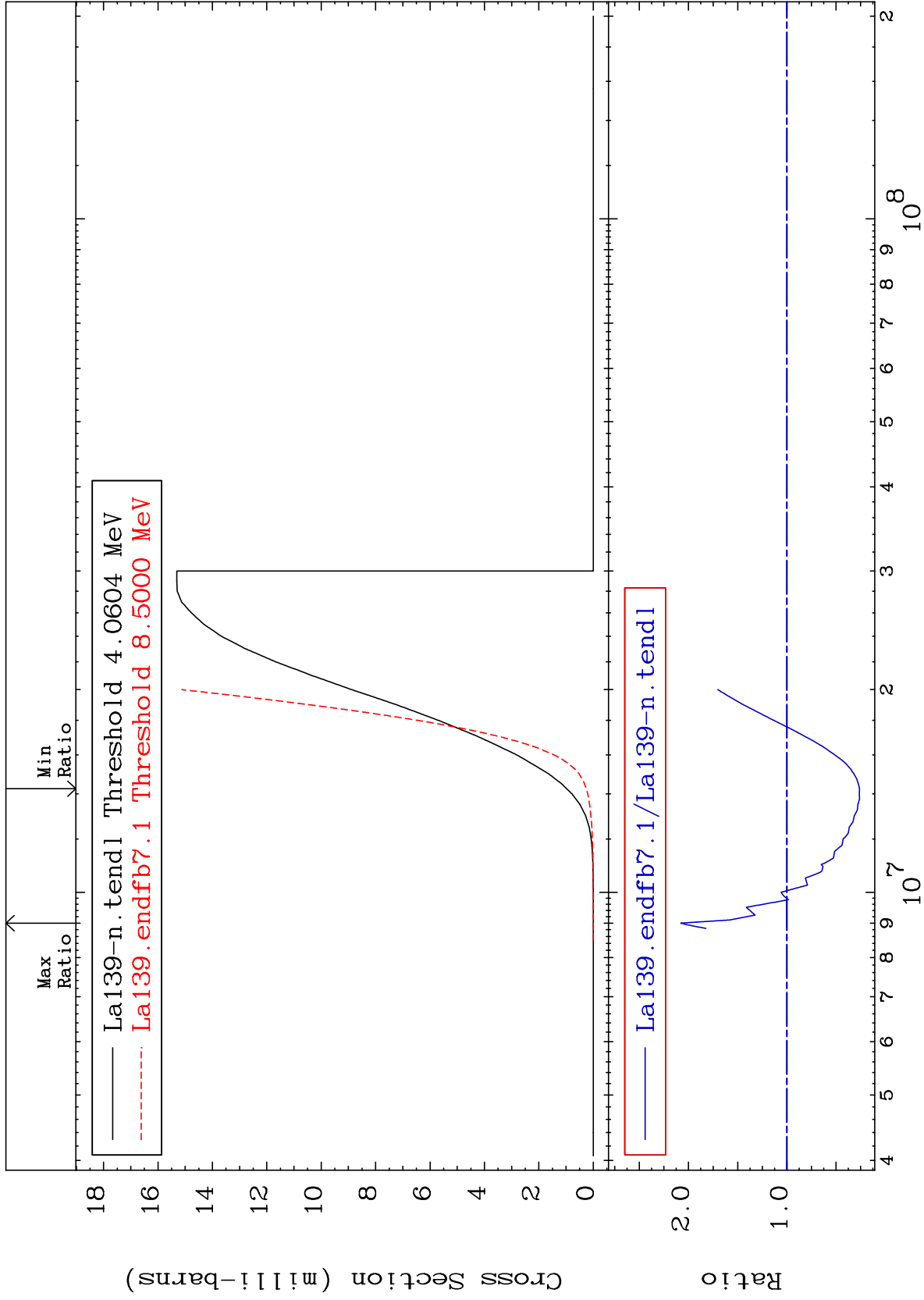
MAT 5728

(n, d)

57-La-139

Cross Section

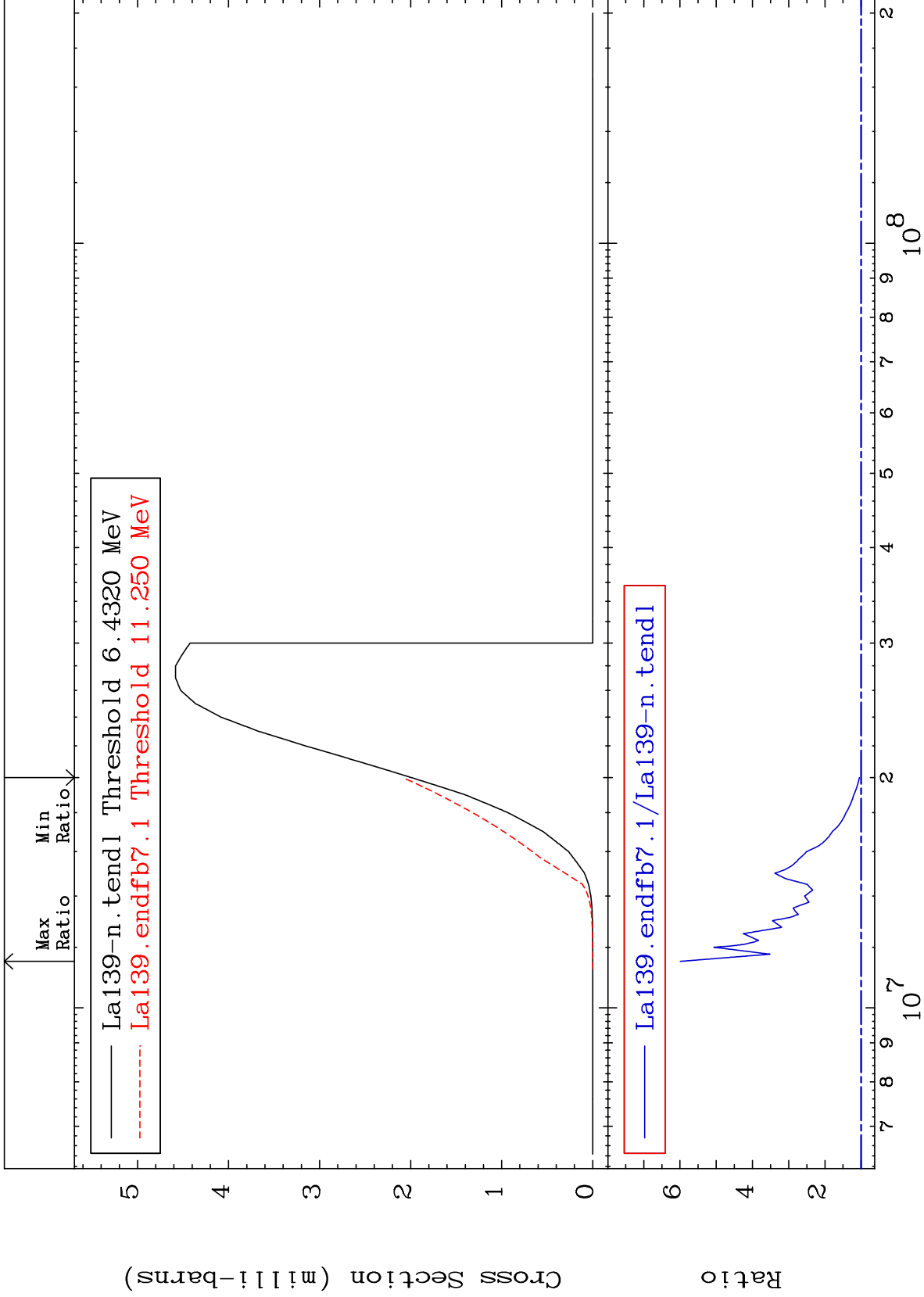
-73.87 To 107.9 %



MAT 5728

(n, t)
Cross Section

57-La-139
4.805 To 499.0 %



23

Incident Energy (eV)

57-La-139

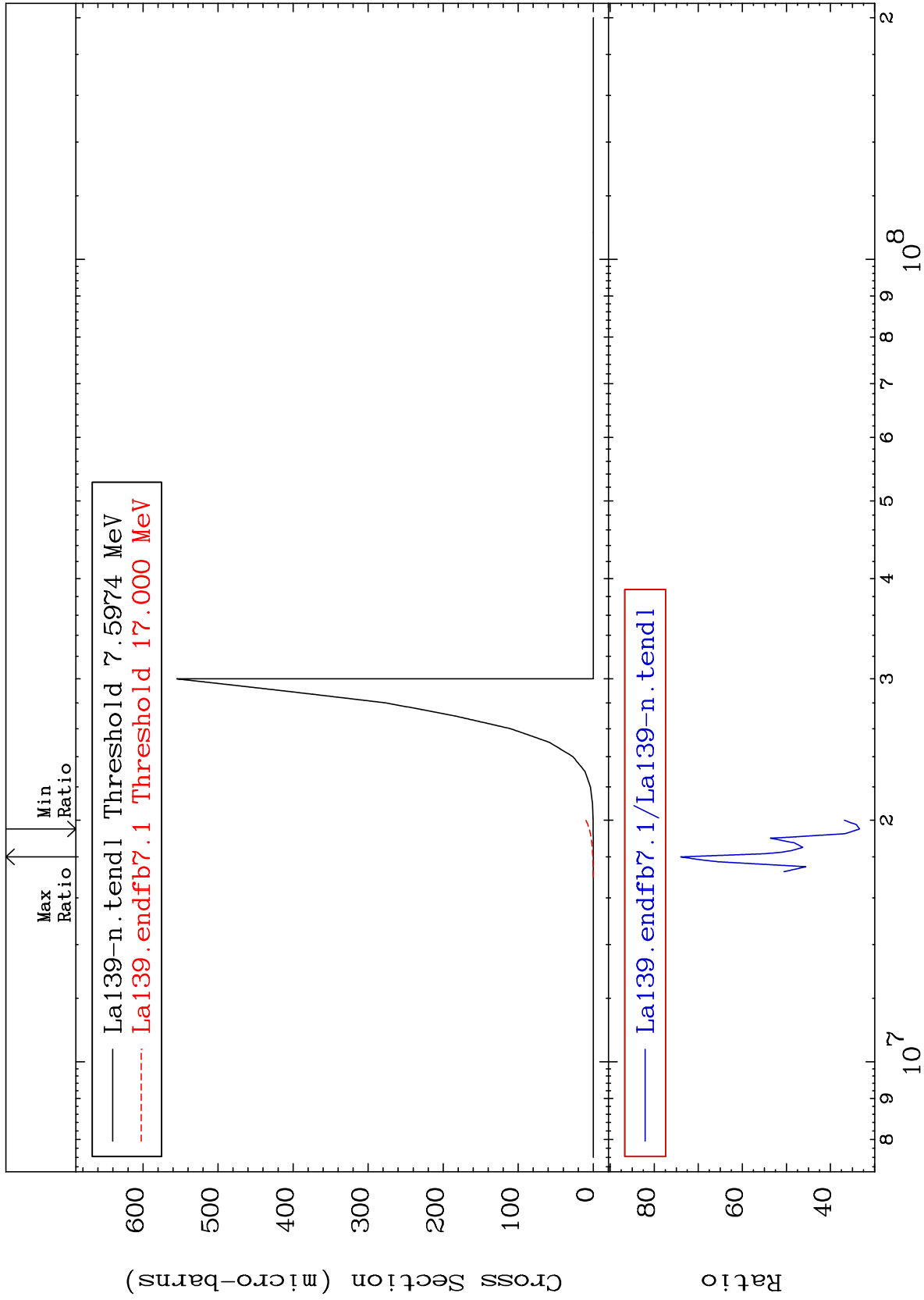
MAT 5728

(n, He-3)

57-La-139

Cross Section

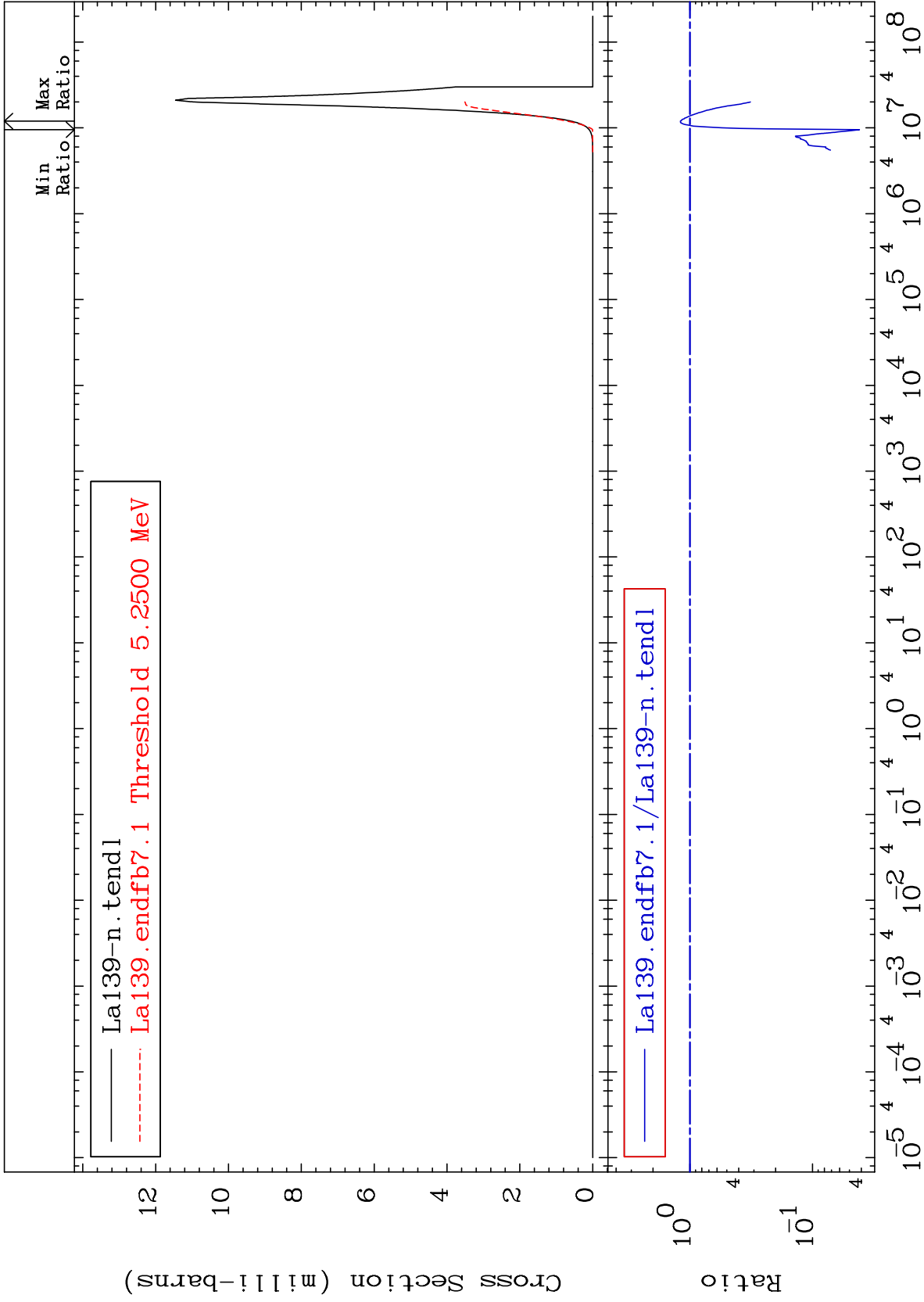
3241. To 7298. %

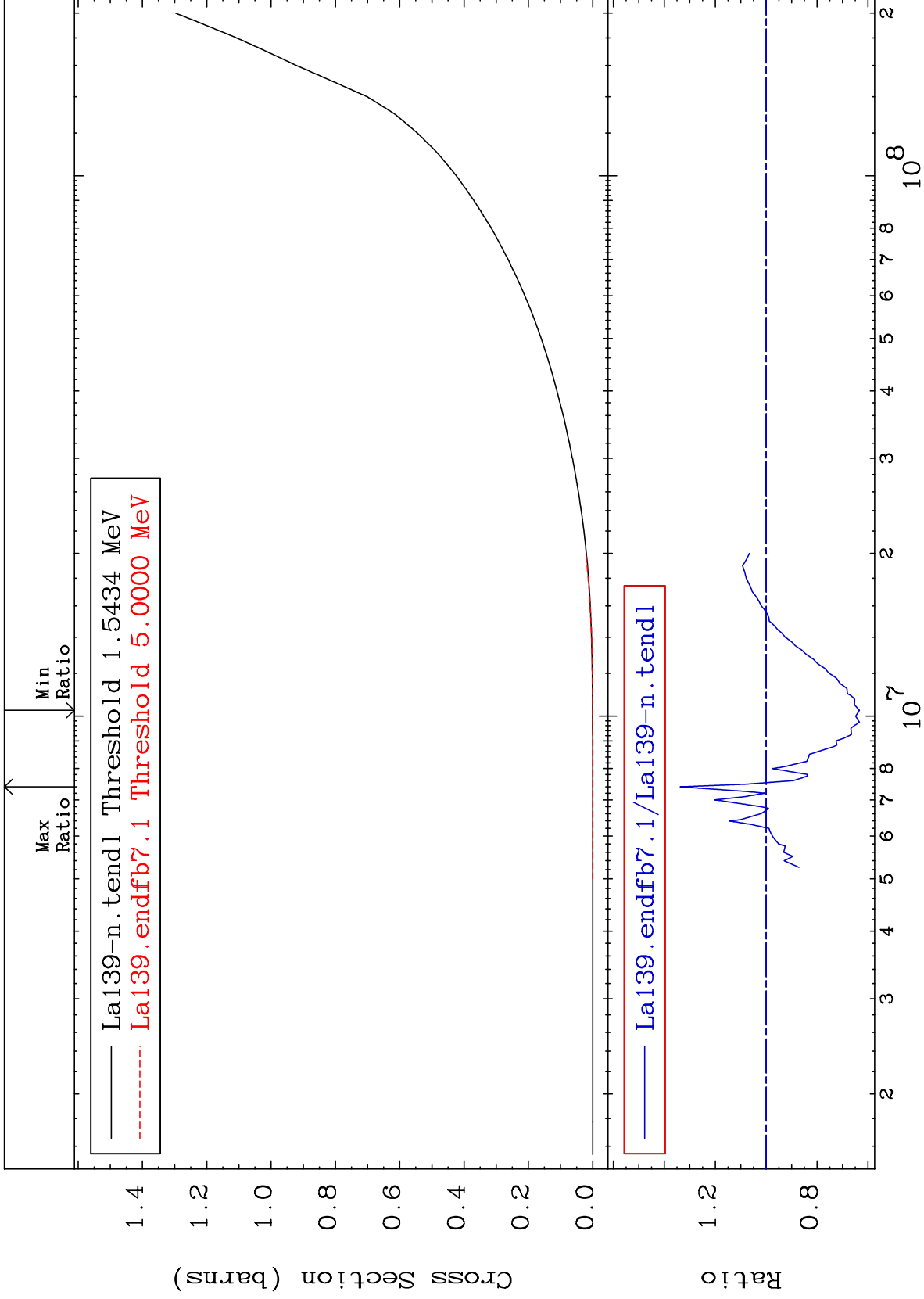


MAT 5728

(n, α)
Cross Section

57-La-139
-95.86 To 19.50 %

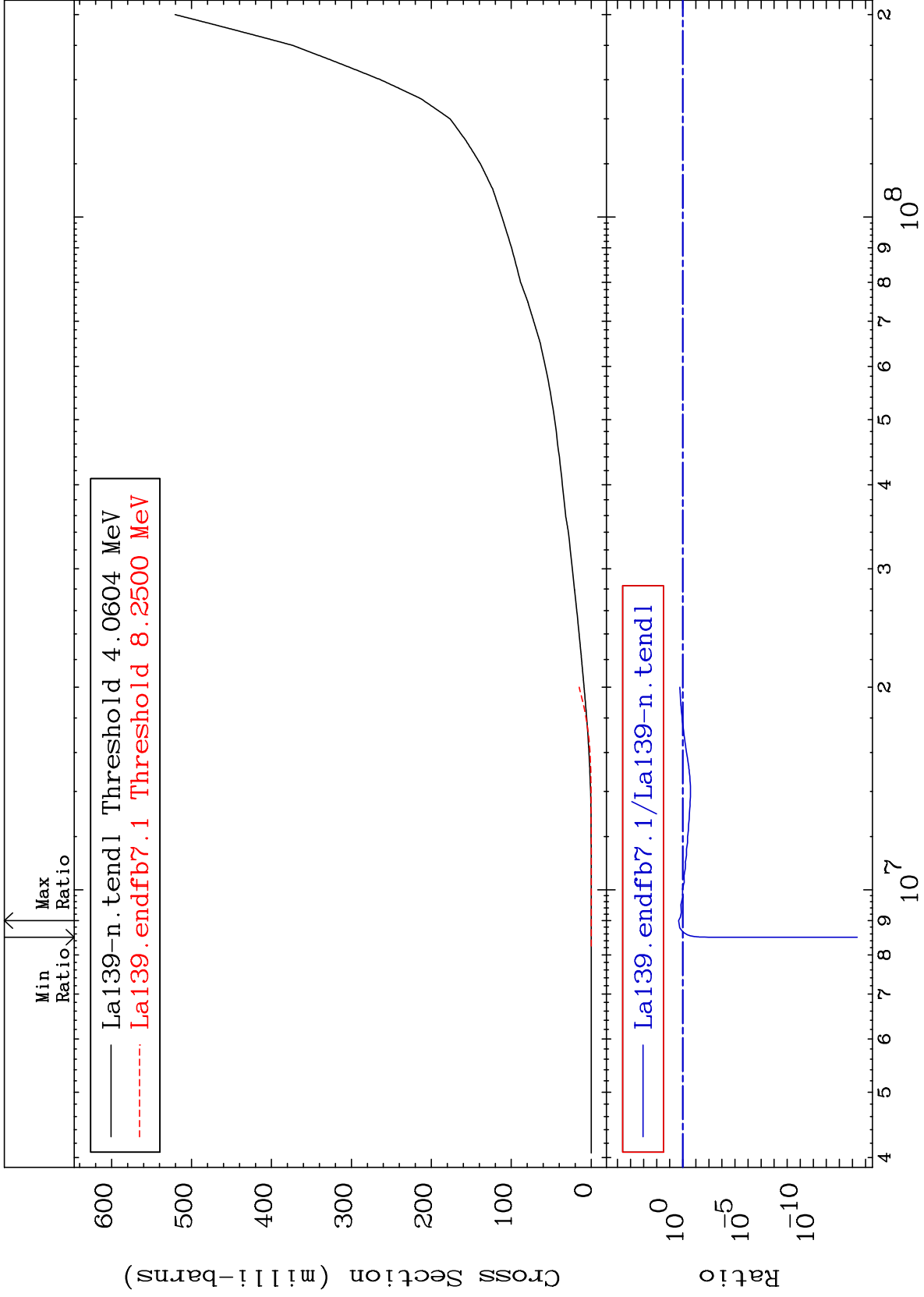


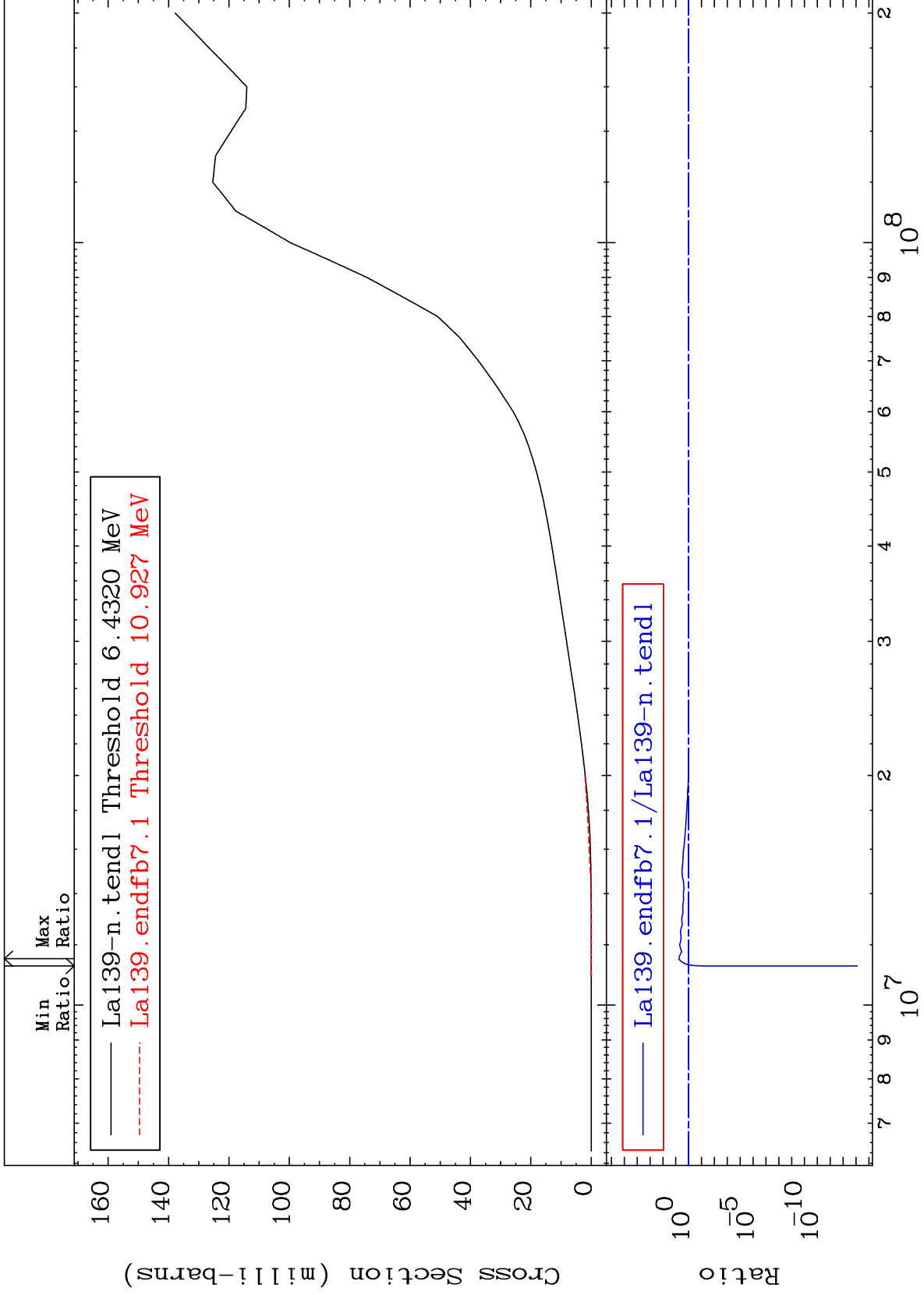


MAT 5728

Deuterium Production
Cross Section

57-La-139
-100.0 To 107.9 %

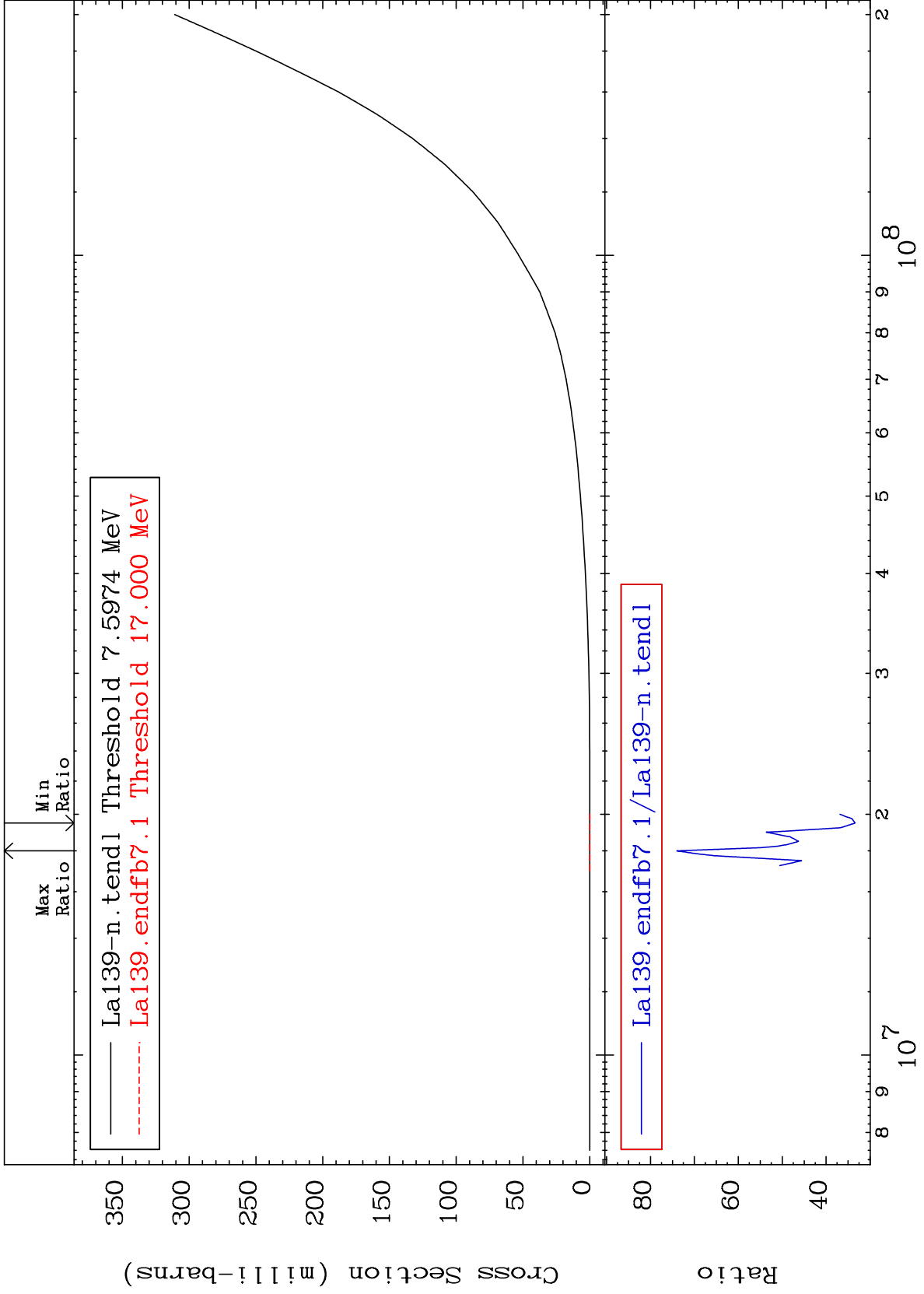




MAT 5728

He-3 Production
Cross Section

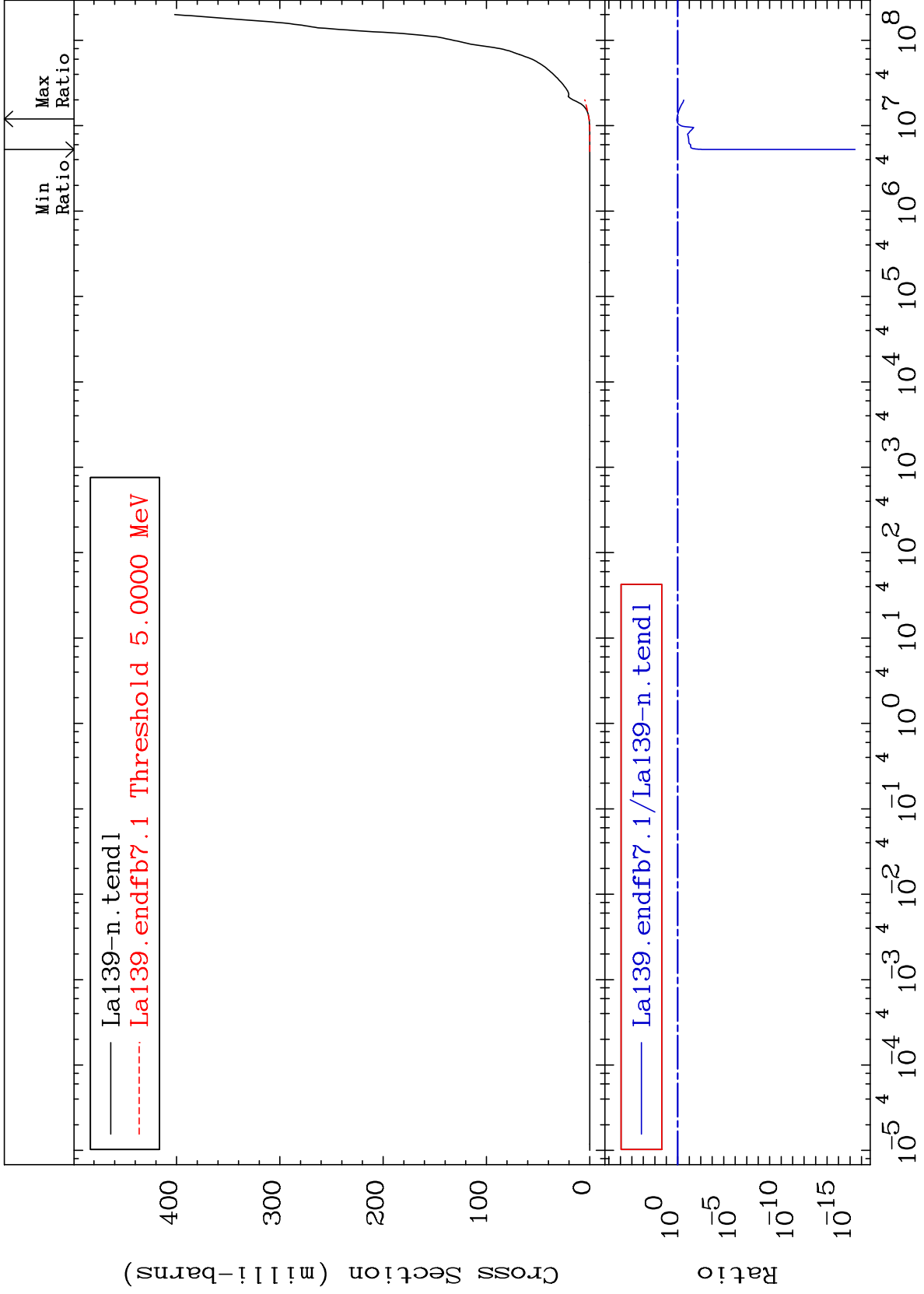
57-La-139
3241. To 7298. %



MAT 5728

He-4 Production
Cross Section

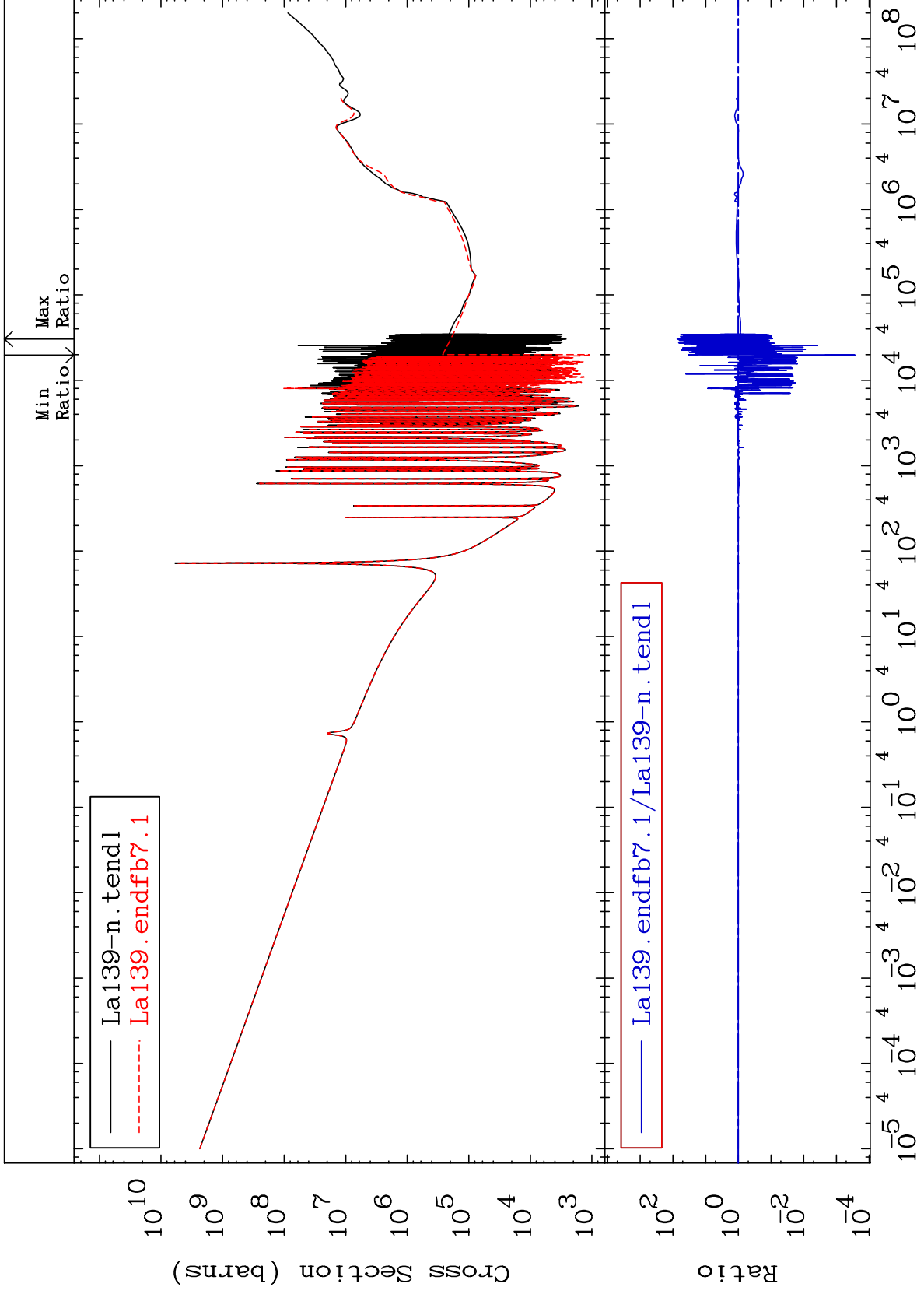
57-La-139
-100.0 To 18.93 %



30

Incident Energy (eV)

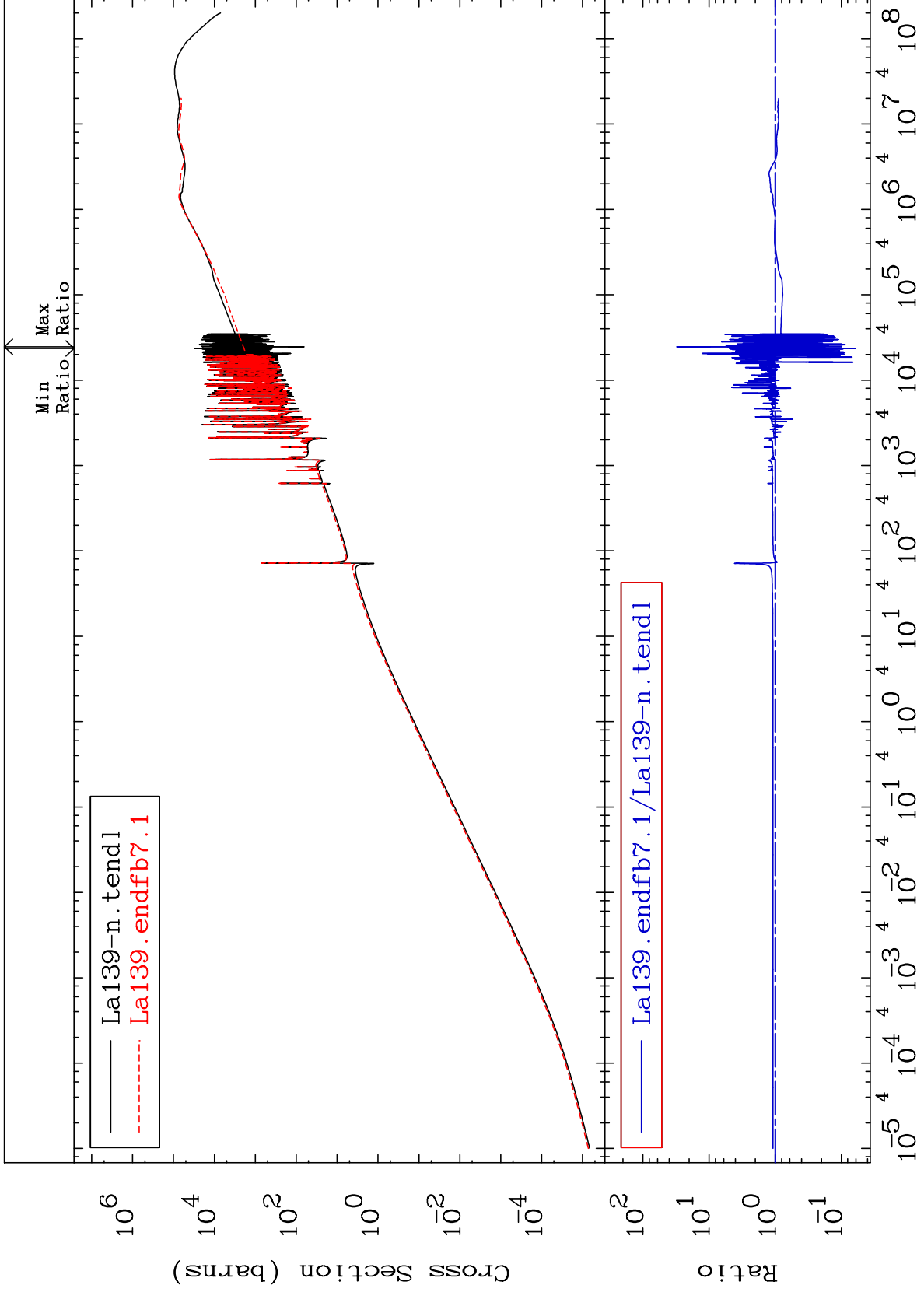
57-La-139

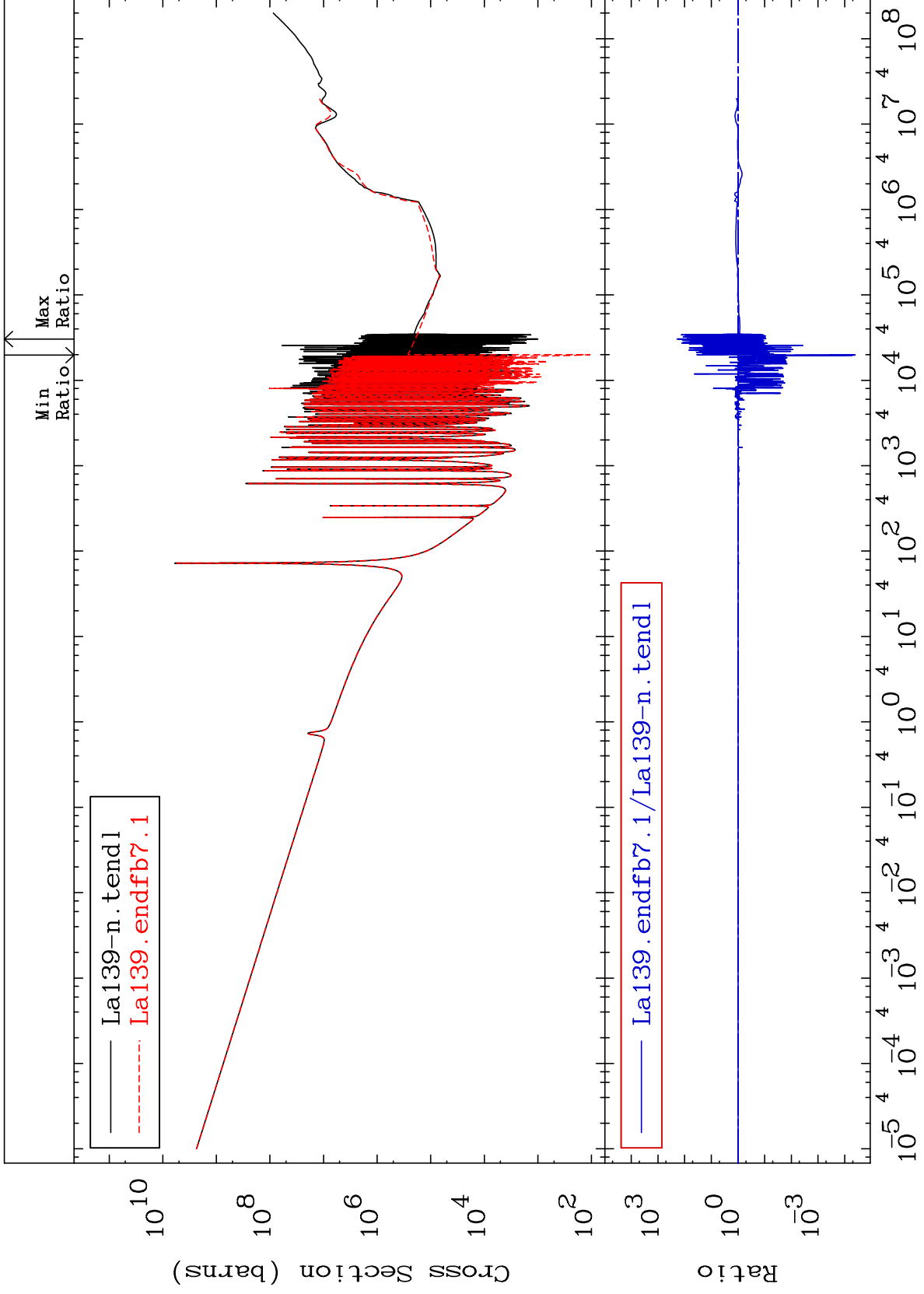


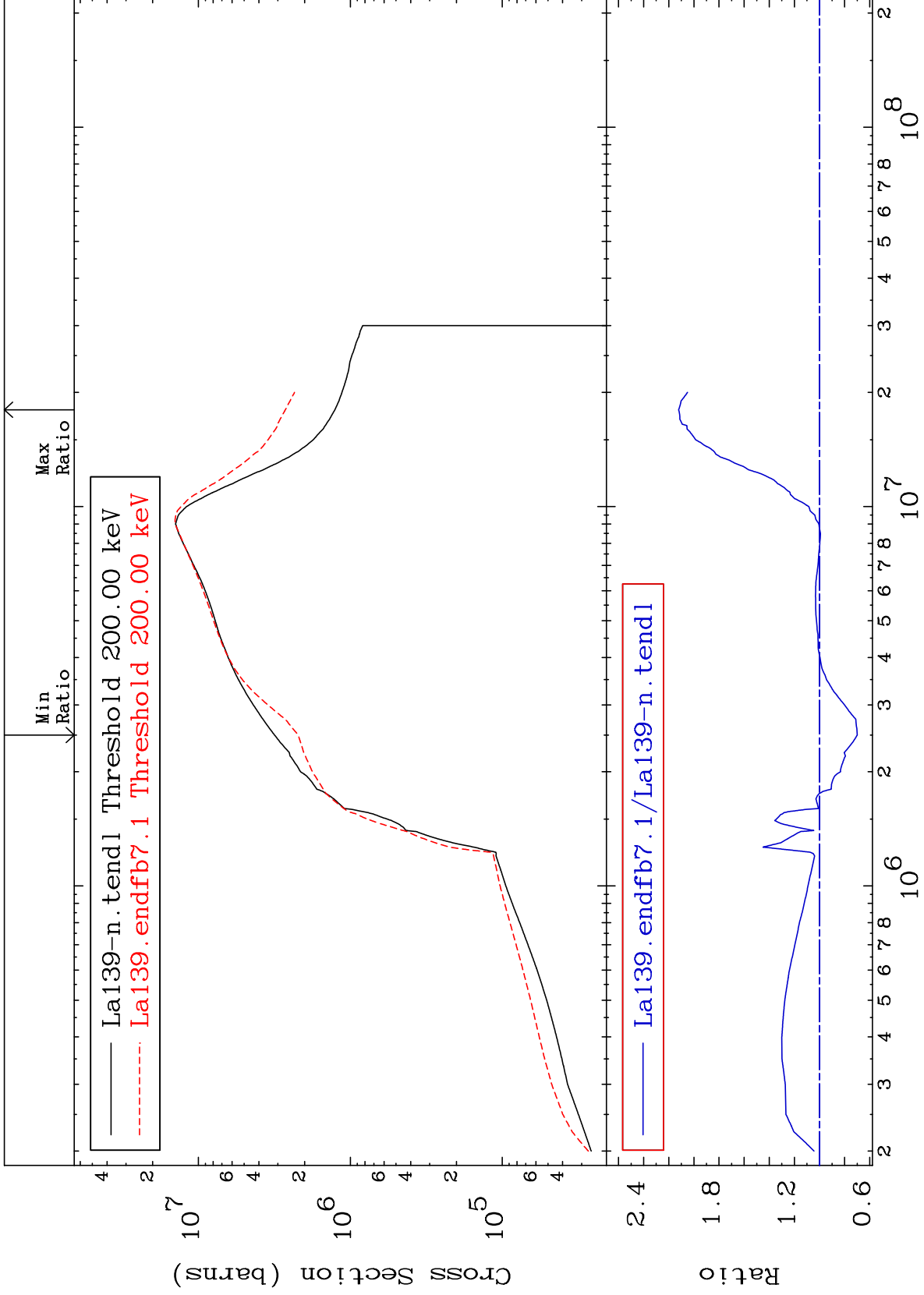
MAT 5728

Kerma elastic
Cross Section

57-La-139
-93.81 To 2952. %



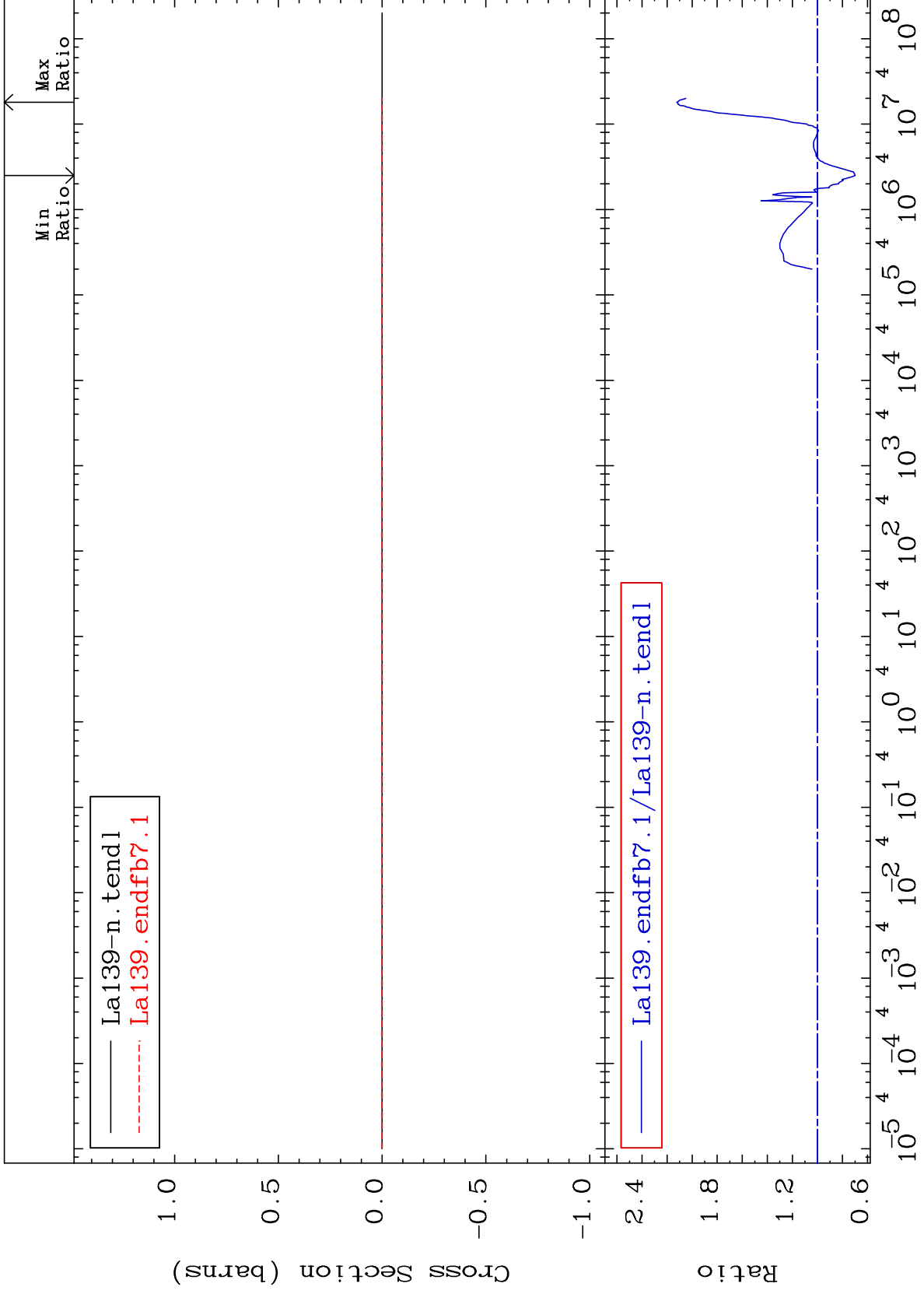


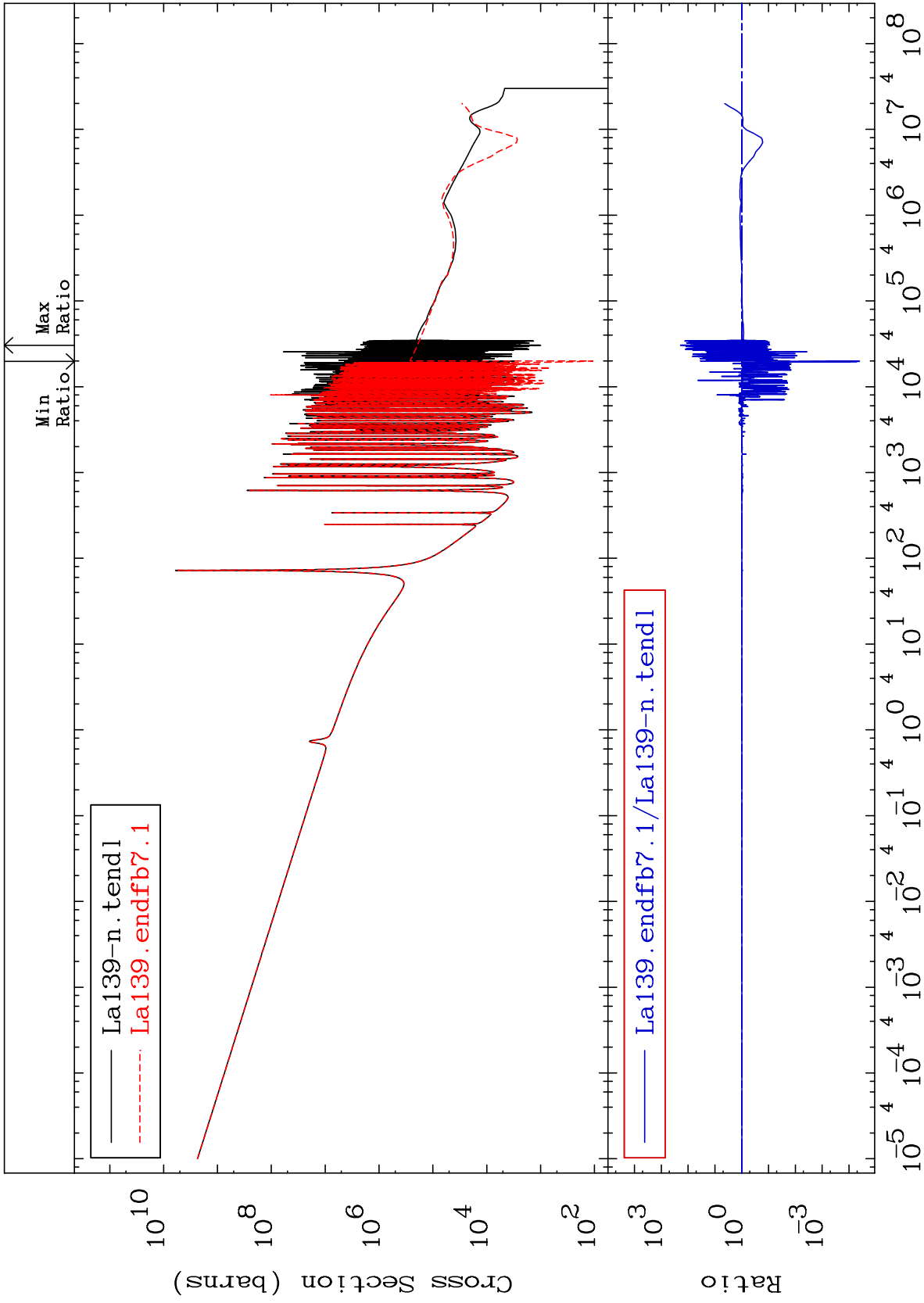


MAT 5728

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

57-La-139
-30.06 To 112.2 %

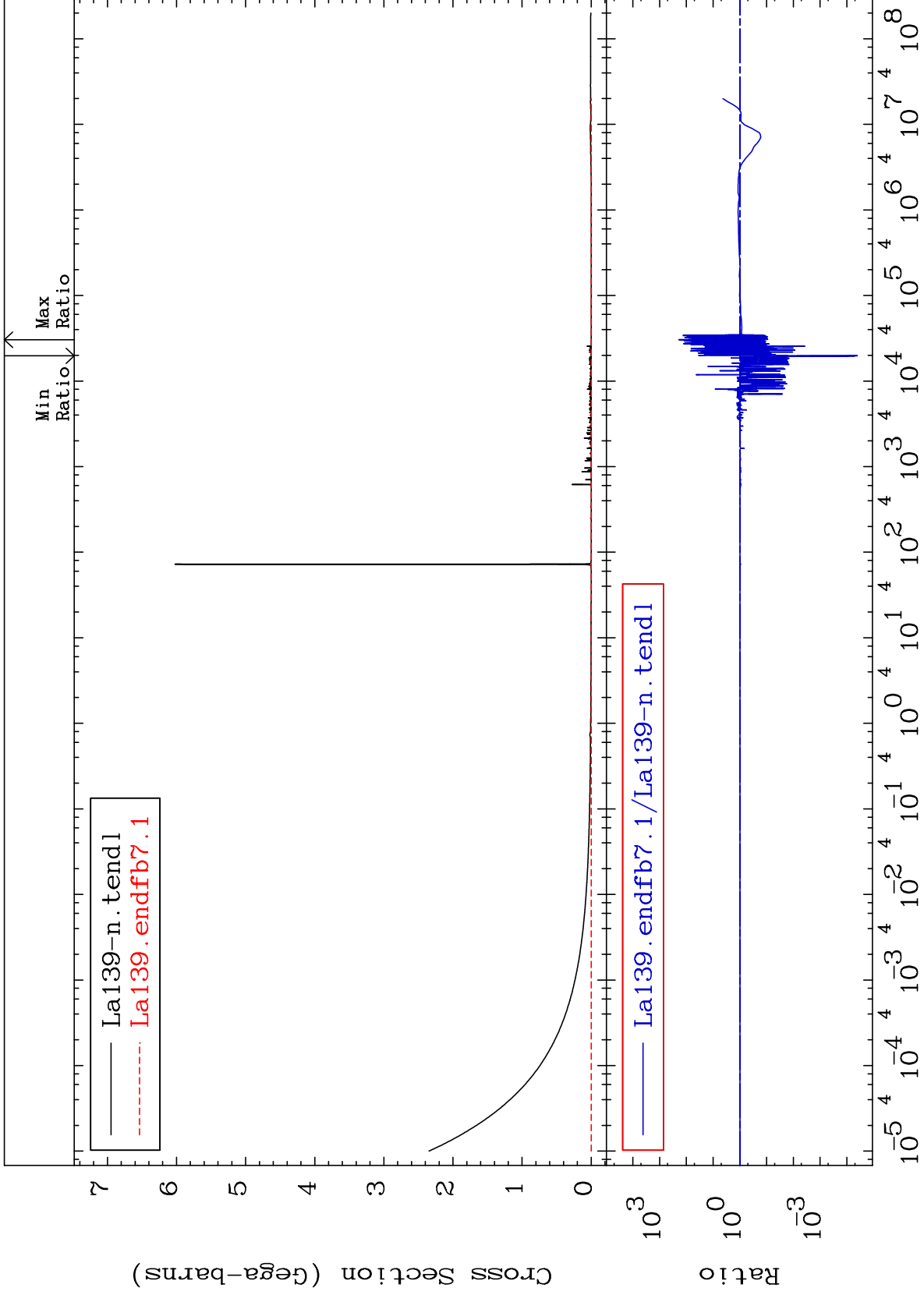




MAT 5728

Total photon (eV-barns)
Cross Section

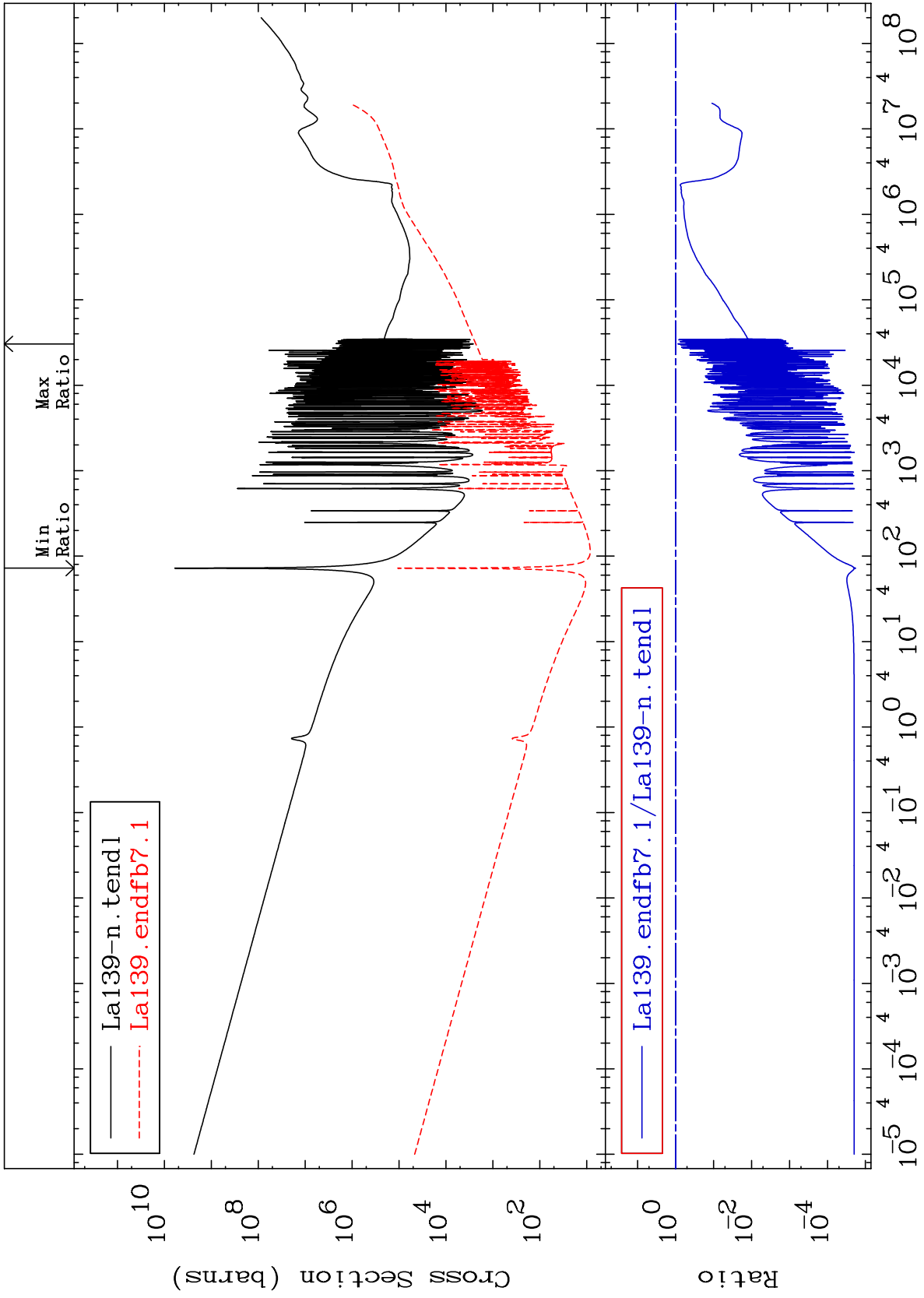
57-La-139
-100.0 To 9999. %



37

Incident Energy (eV)

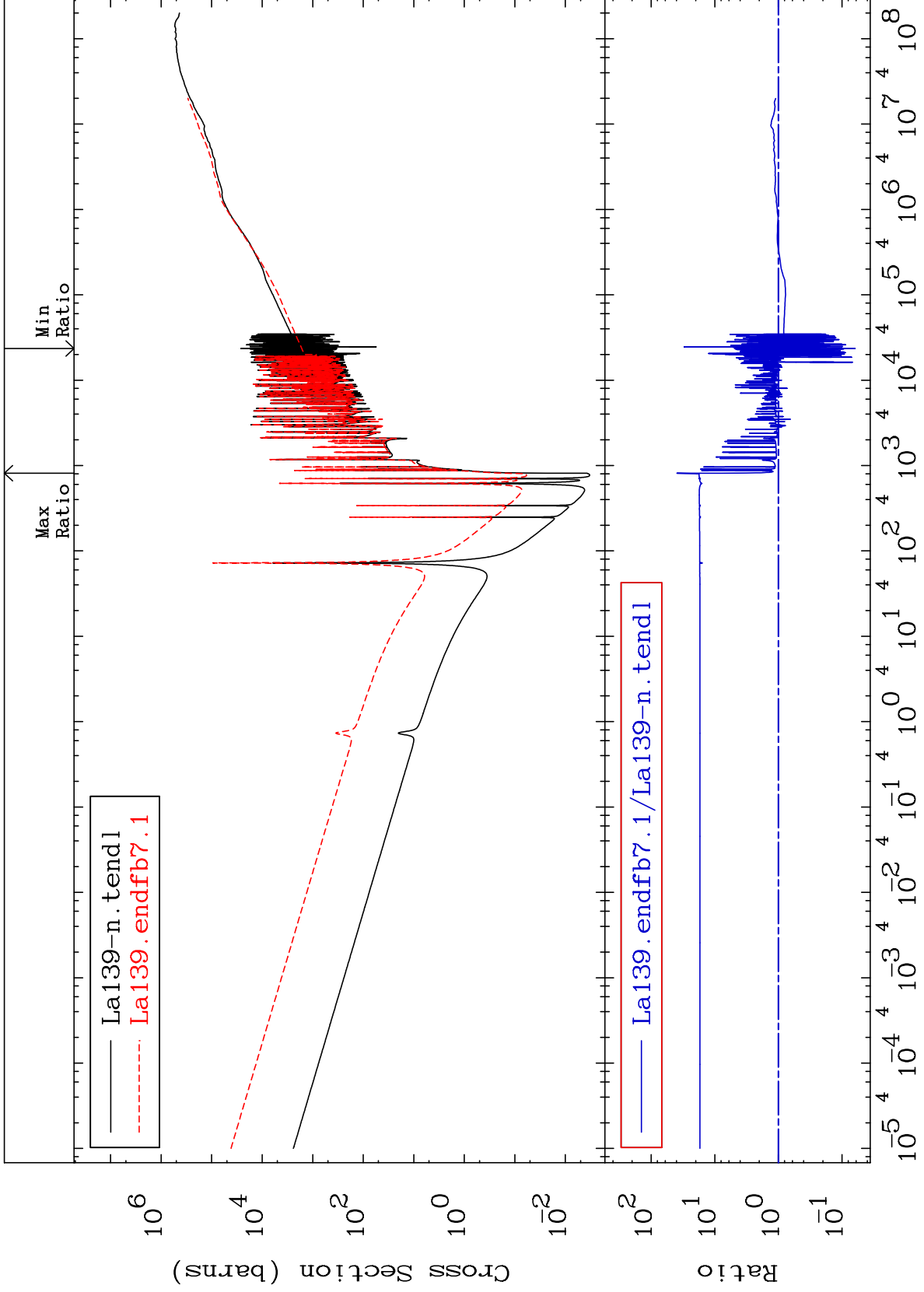
57-La-139



MAT 5728

Dpa total (eV-barns)
Cross Section

57-La-139
-93.77 To 3845. %



39

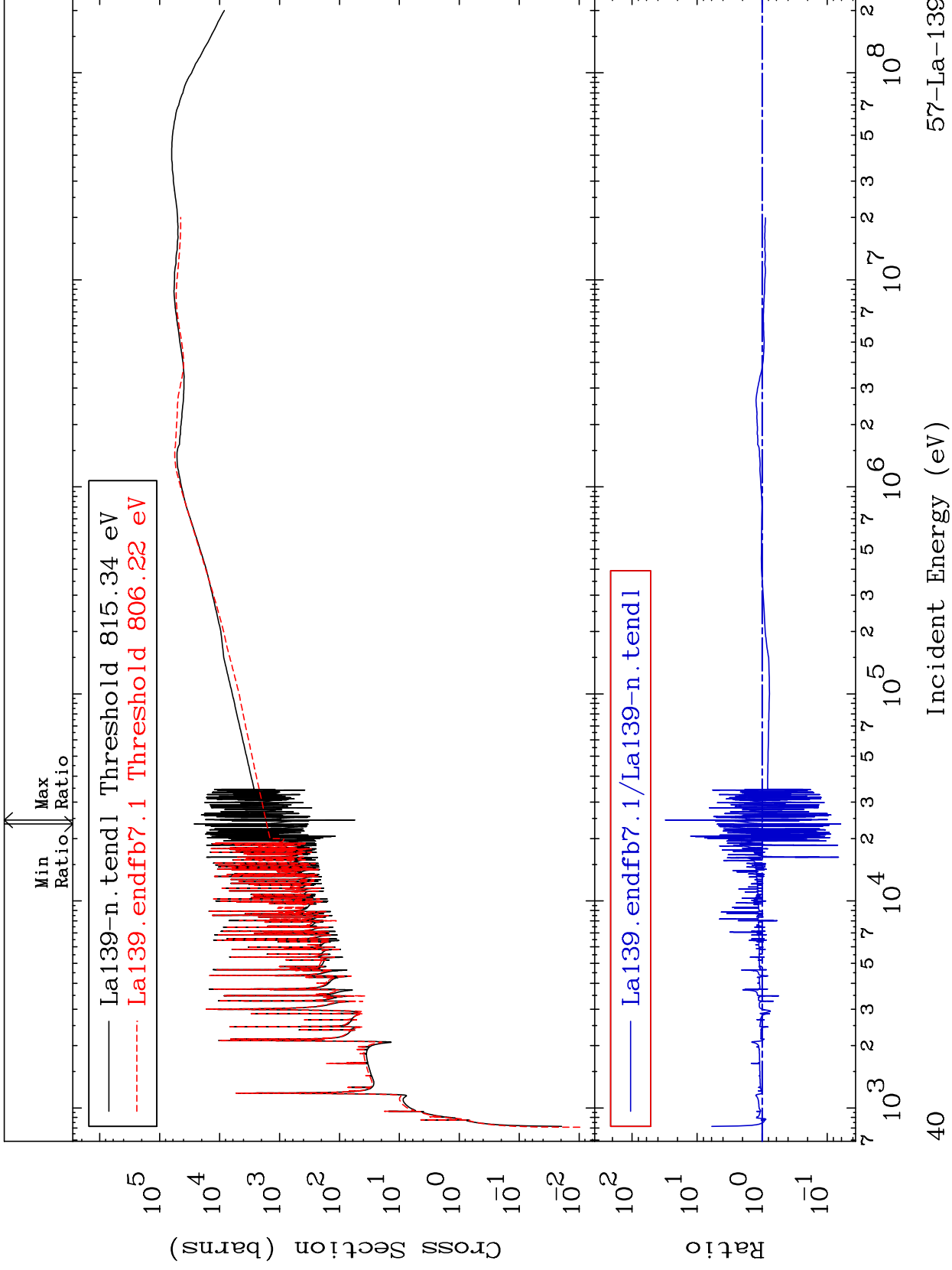
Incident Energy (eV)

57-La-139

MAT 5728

Dpa elastic (mt2)
Cross Section

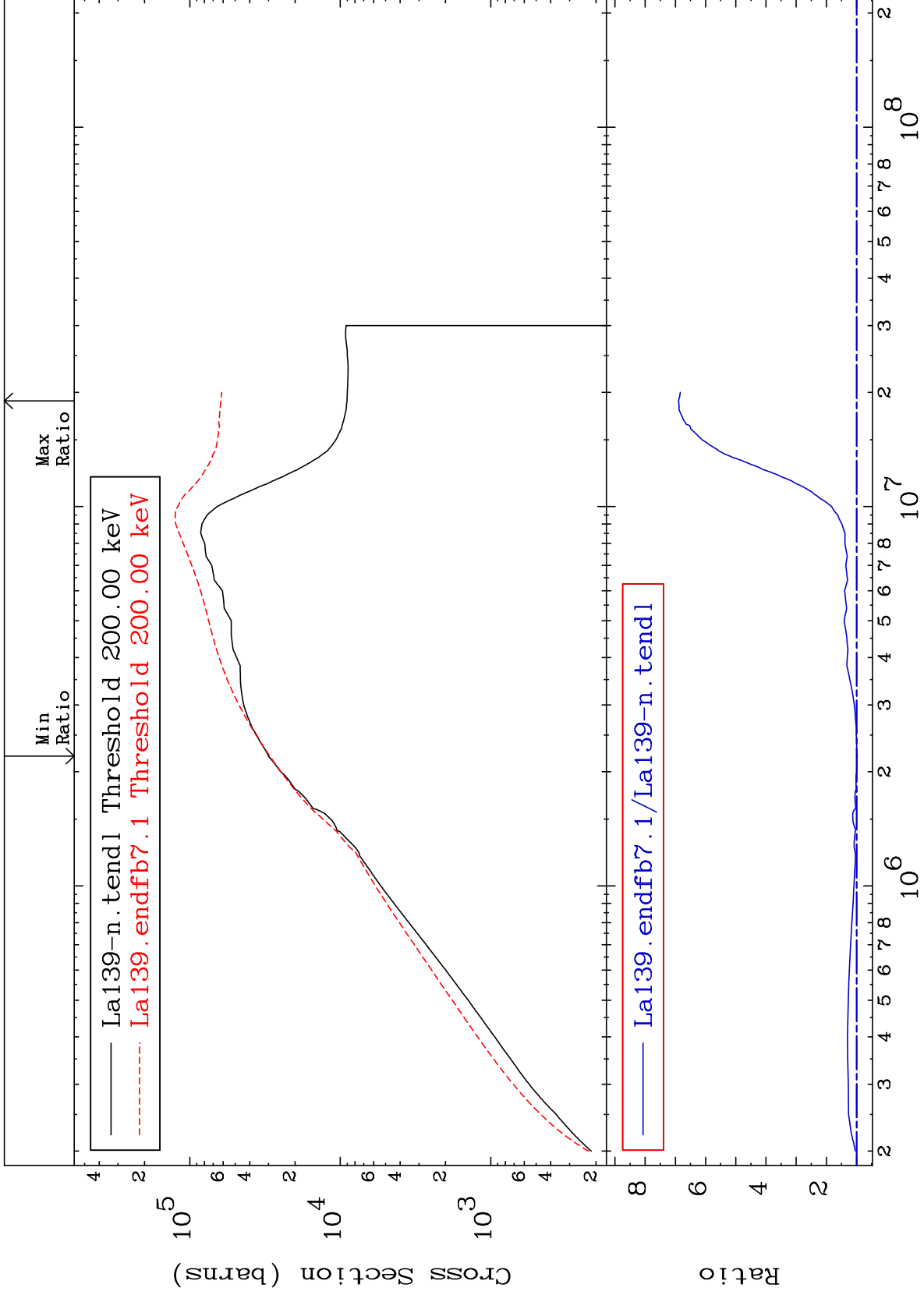
57-La-139
-93.81 To 2953. %



40

Incident Energy (eV)

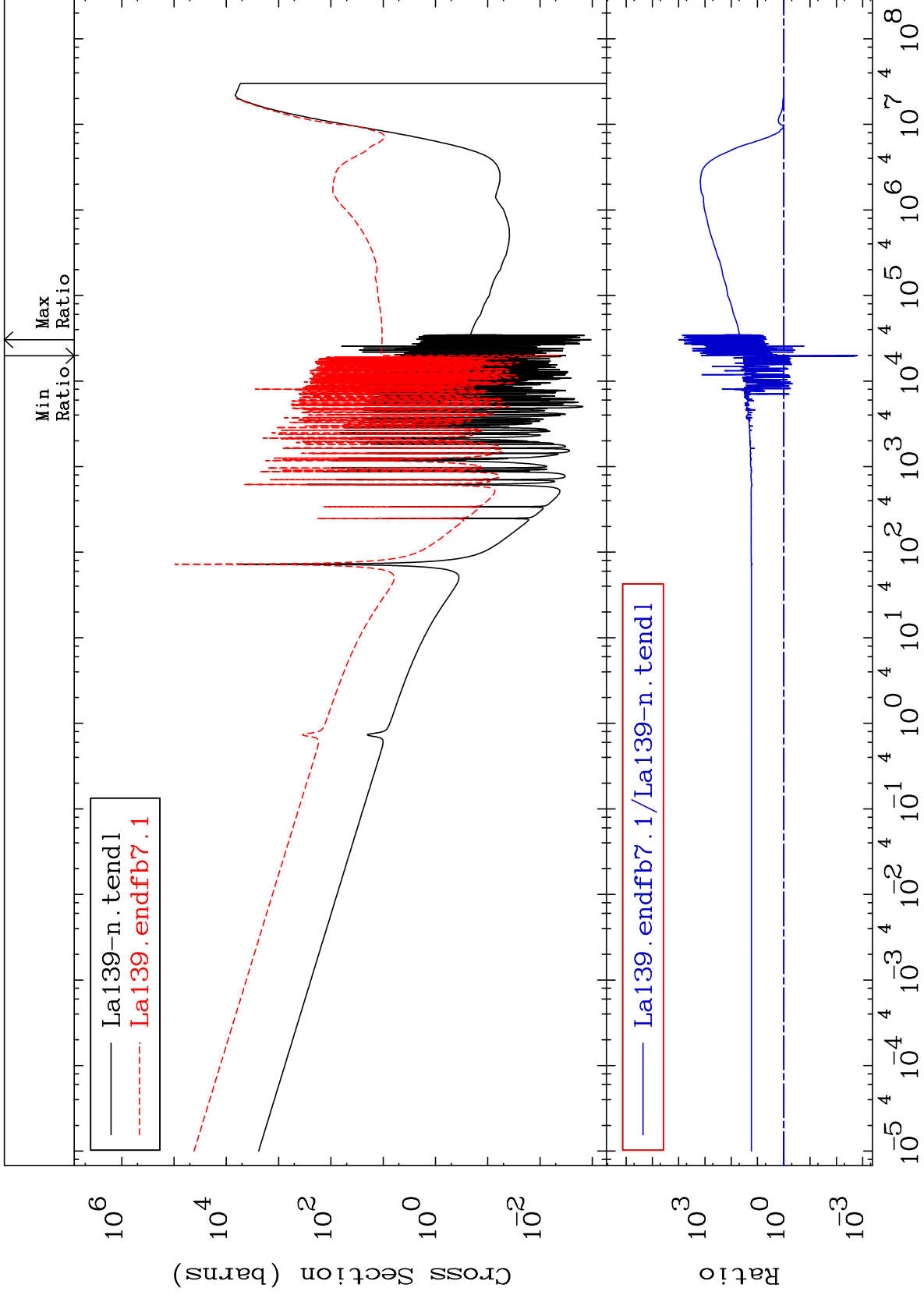
57-La-139



MAT 5728

Dpa disappearance (mt102 -120)
Cross Section

57-La-139
-99.84 To 9999. %



42

Incident Energy (eV)

57-La-139