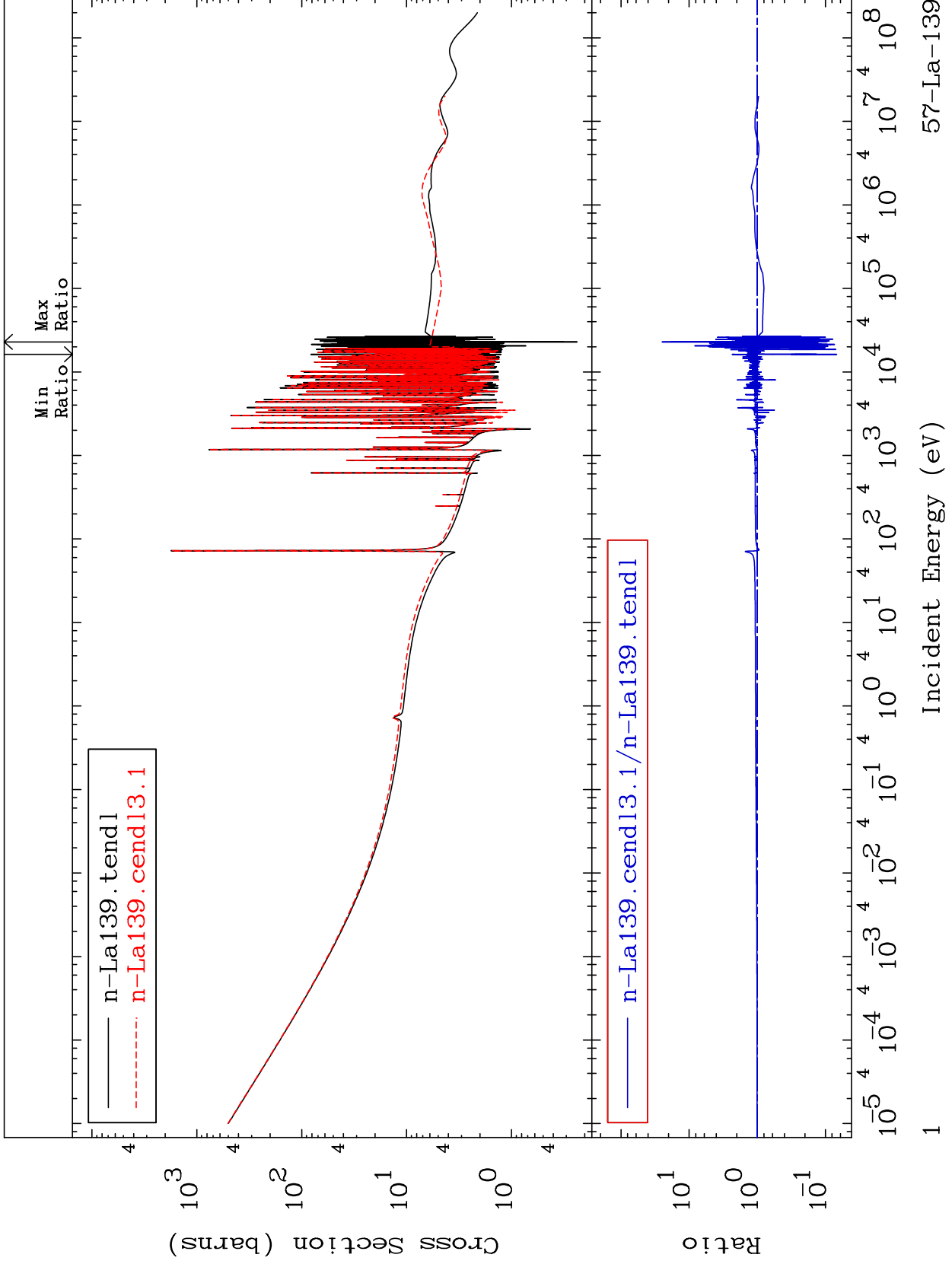


MAT 5728

Total
Cross Section

57-La-139
-93.15 To 2375. %

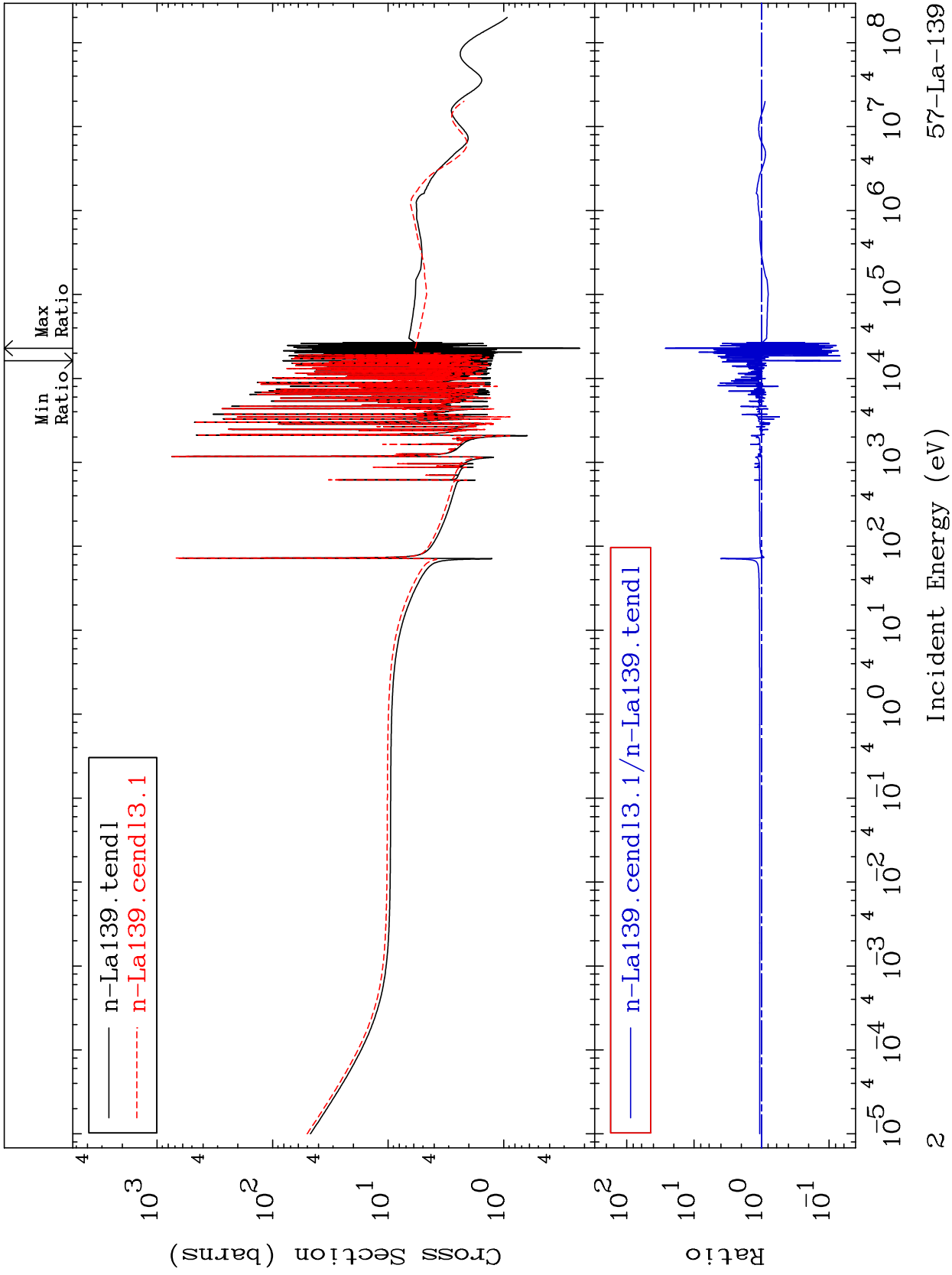


57-La-139

MAT 5728

Elastic
Cross Section

57-La-139
-93.28 To 2555. %



57-La-139

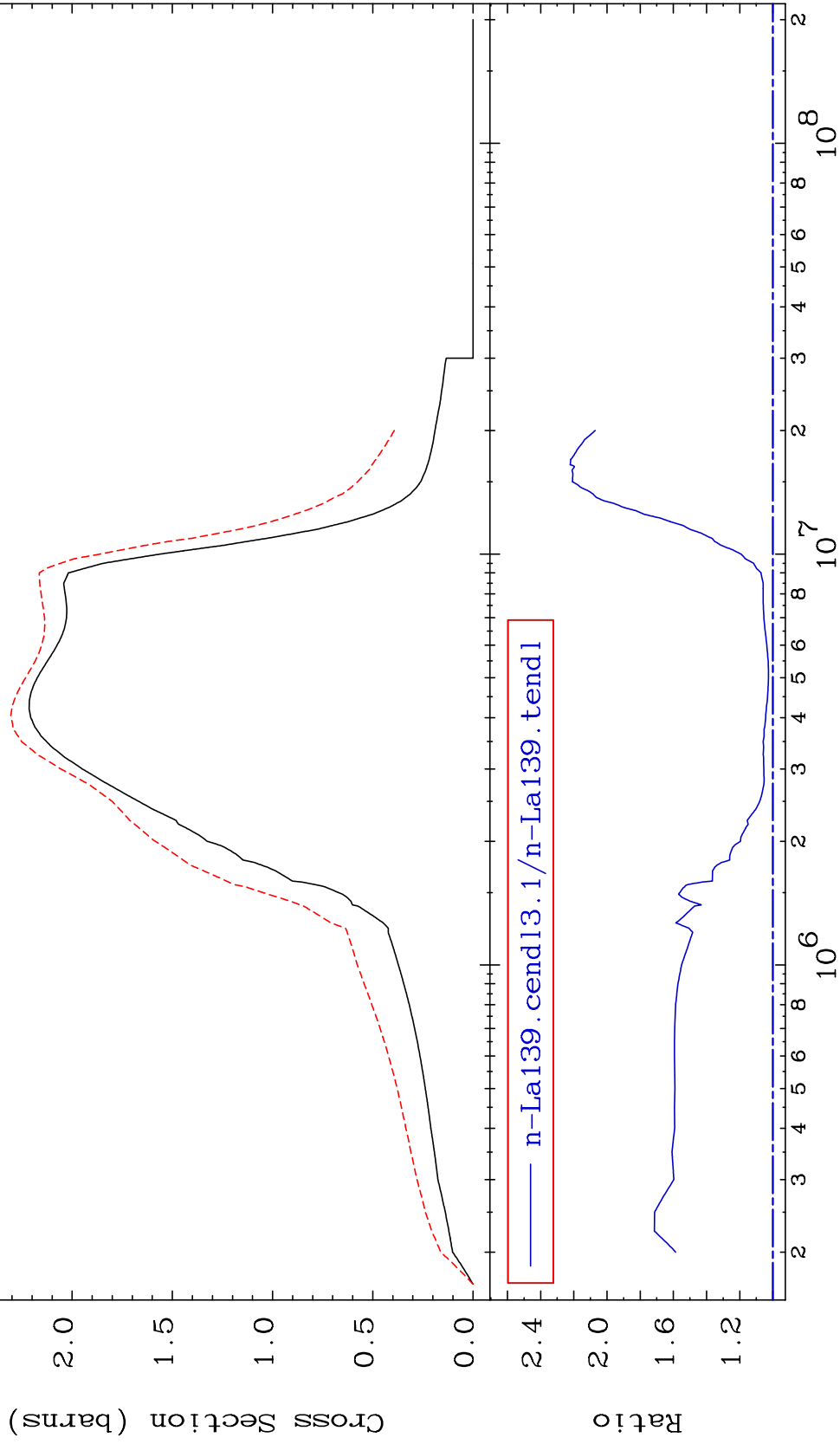
Incident Energy (eV)

2

MAT 5728

Inelastic Cross Section 57-La-139 To 122.2 % 2.676

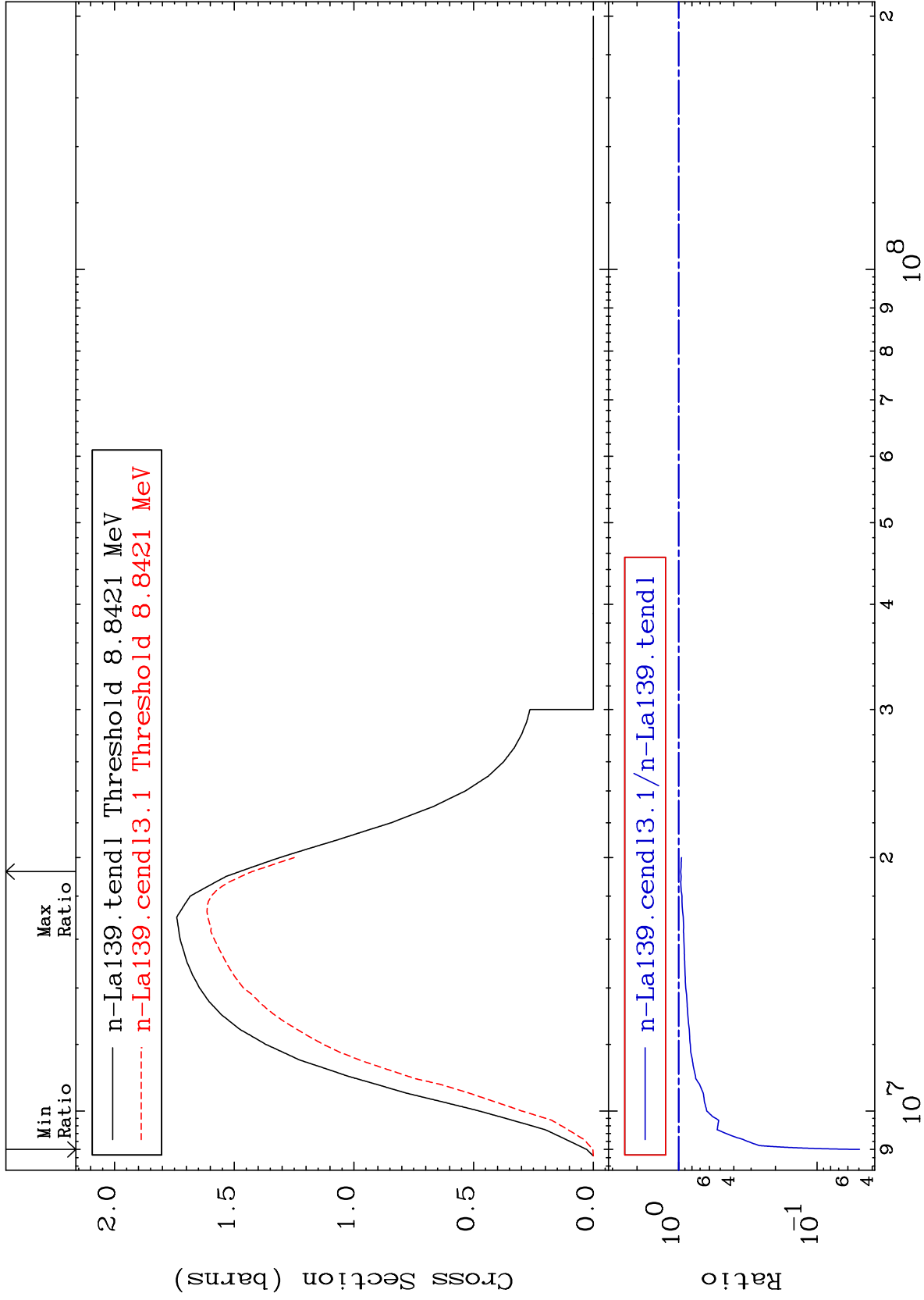
— n-La139.tendl Threshold 167.06 keV
- - - n-La139.cendl3.1 Threshold 167.10 keV



MAT 5728

(n,2n)
Cross Section

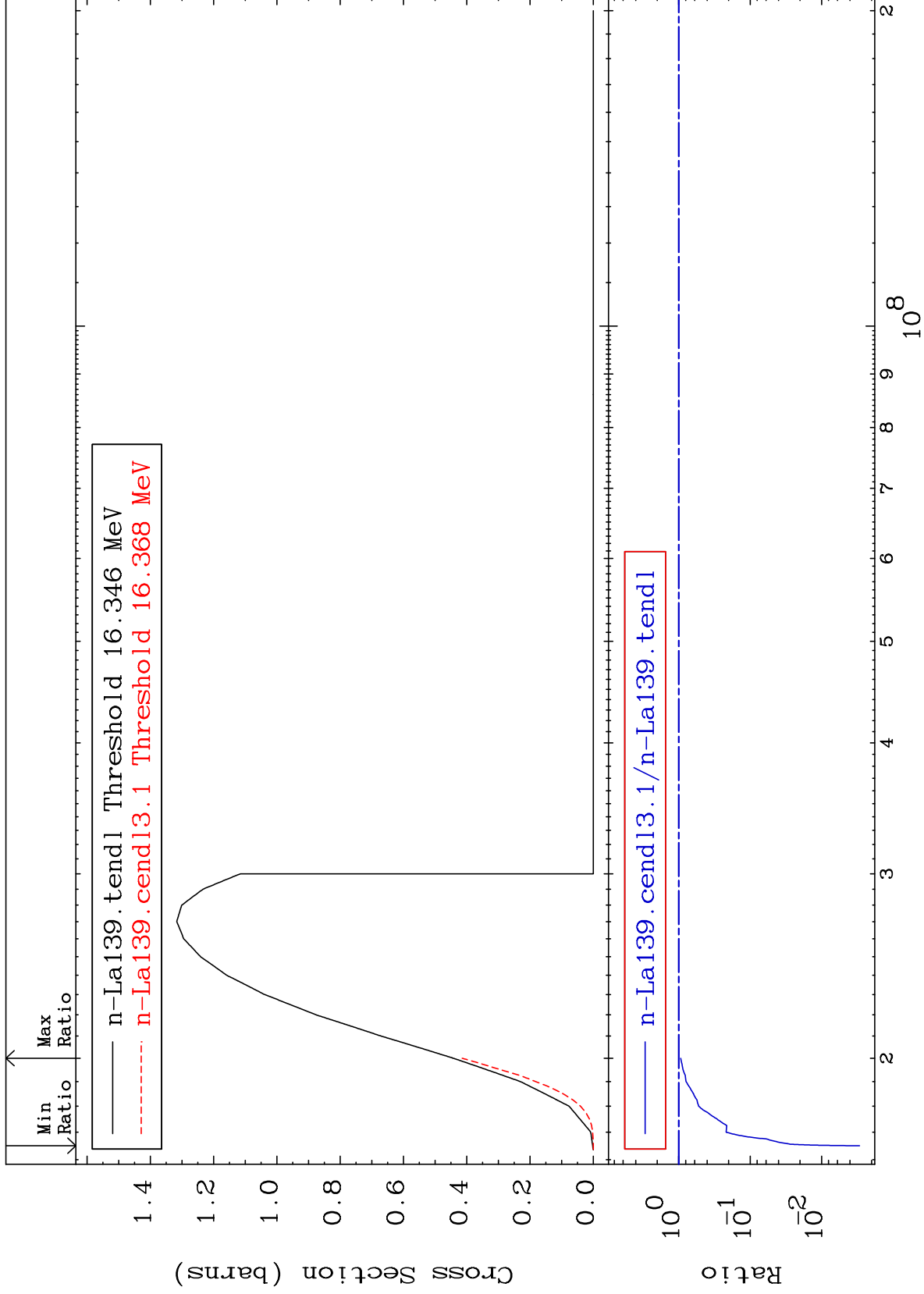
57-La-139
-95.06 To -3.497%

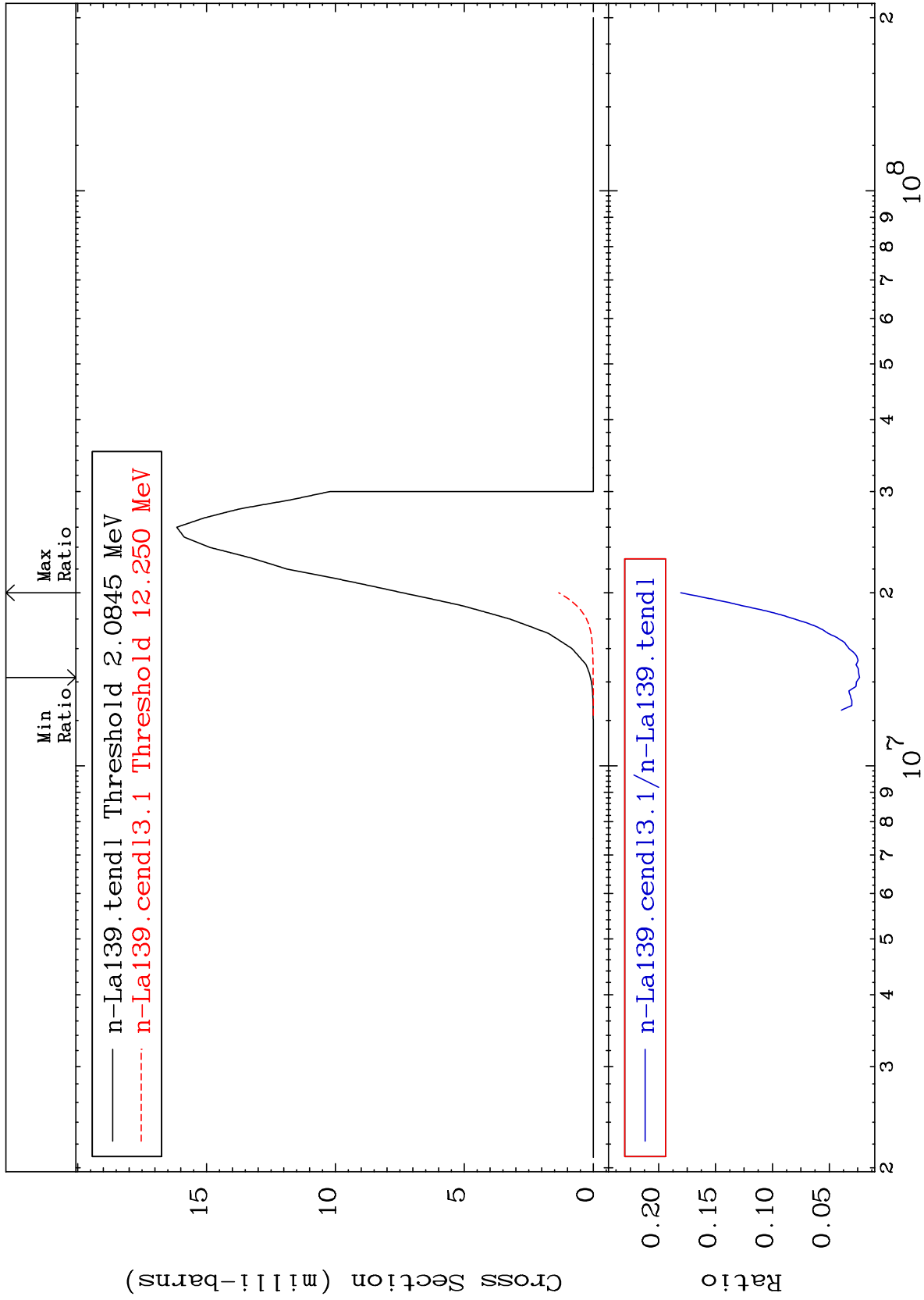


4

Incident Energy (eV)

57-La-139

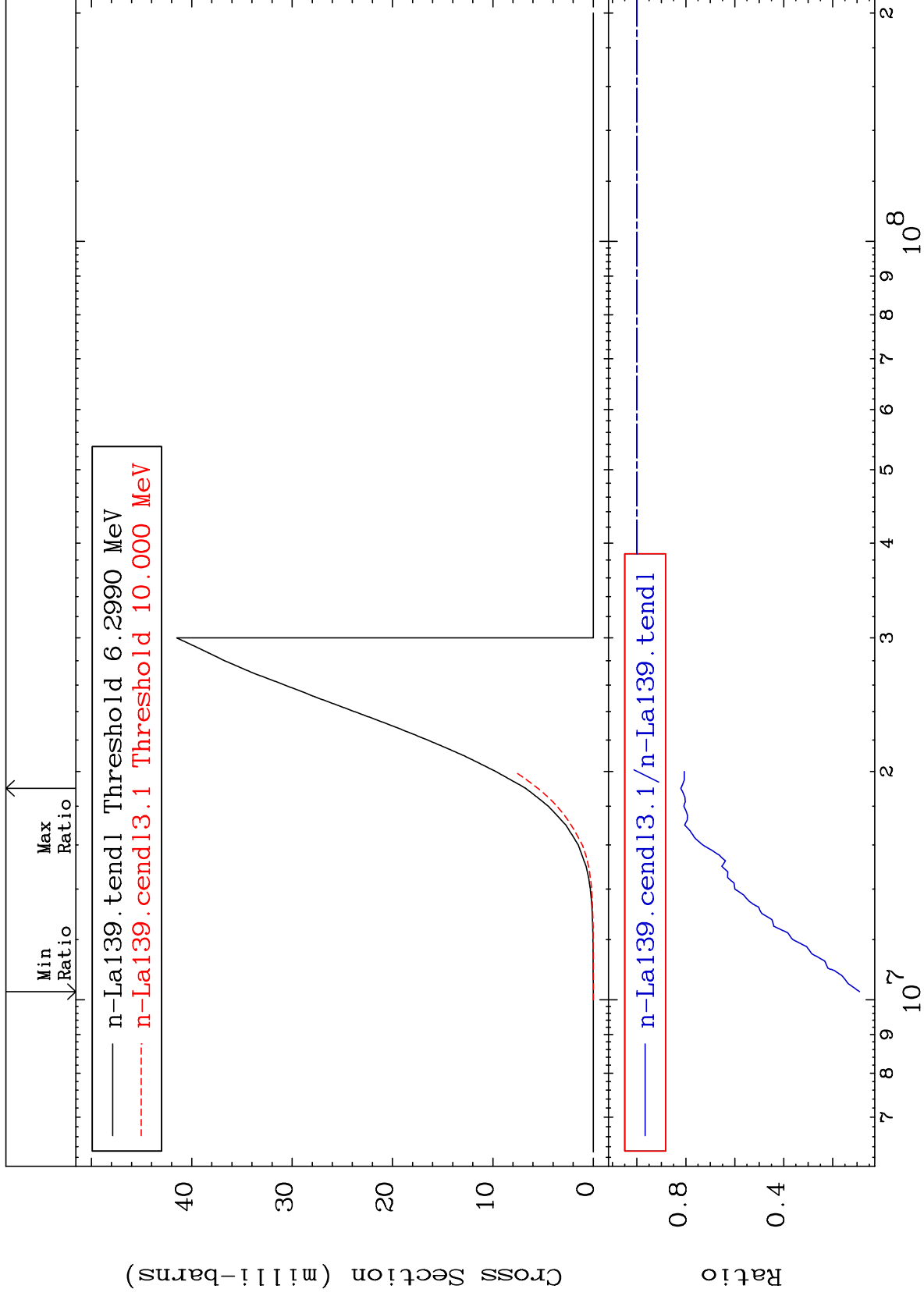




MAT 5728

(n,n') p
Cross Section

57-La-139
-90.99 To -17.93%



7

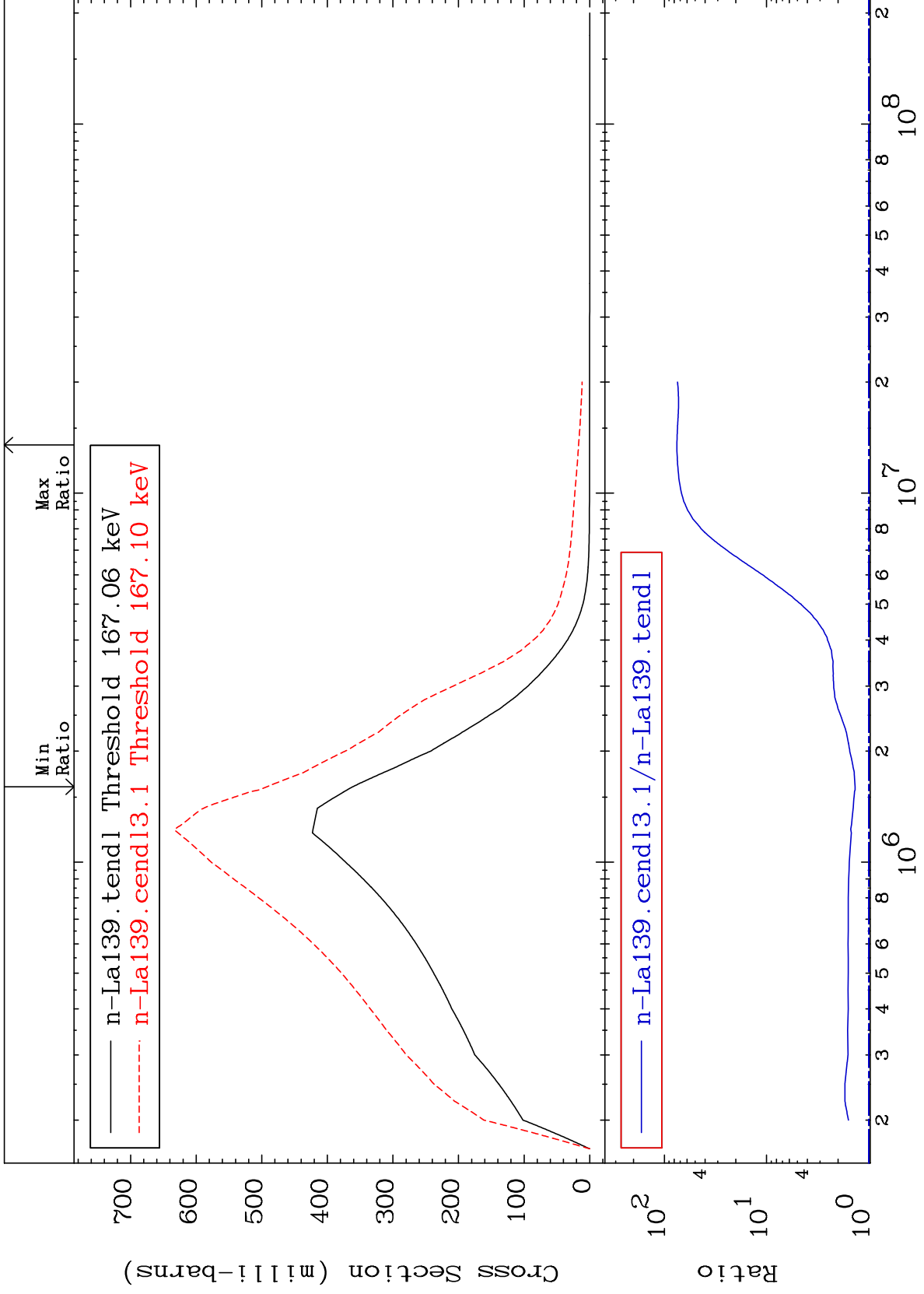
Incident Energy (eV)

57-La-139

MAT 5728

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

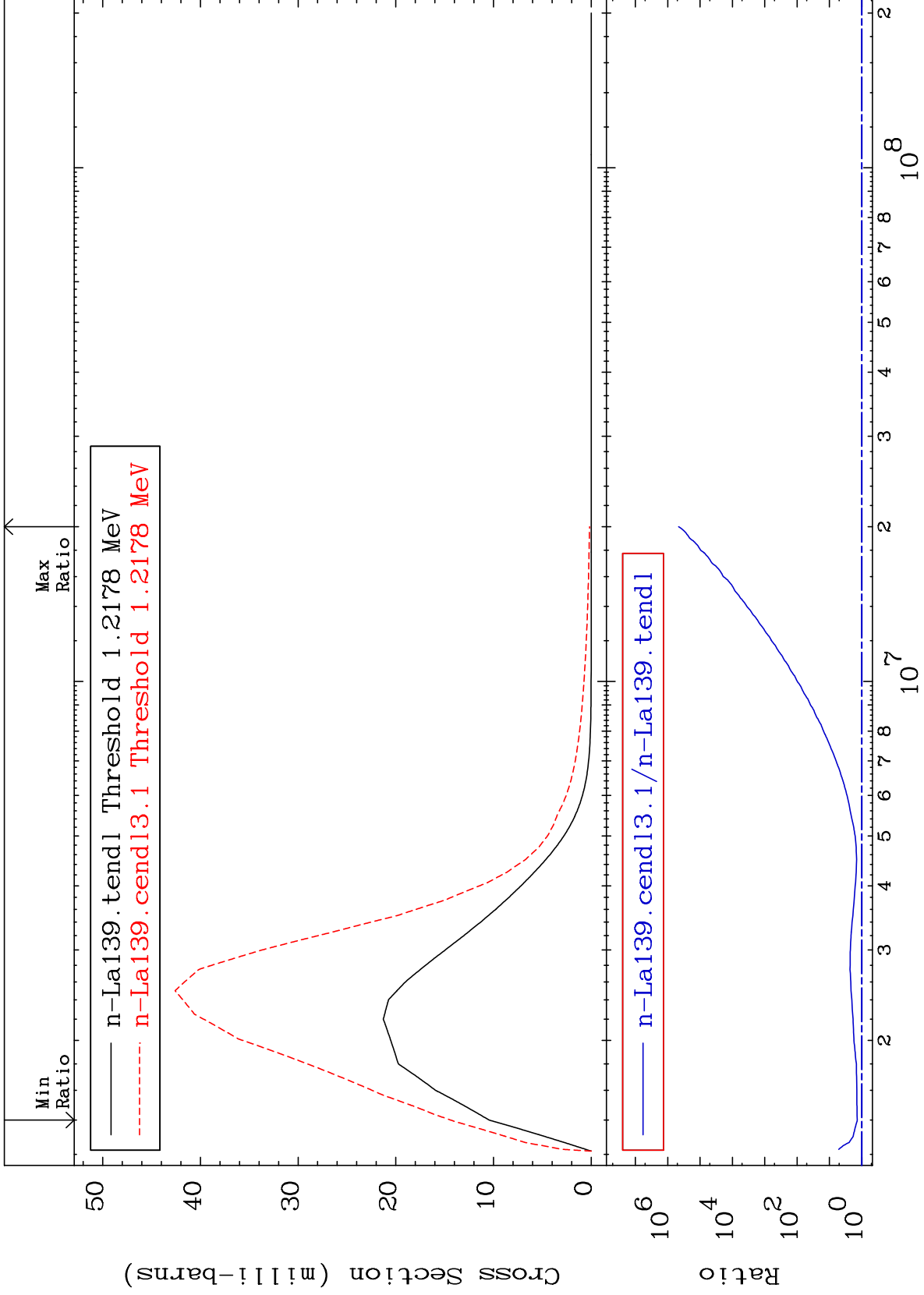
57-La-139
36.25 To 7435. %



MAT 5728

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

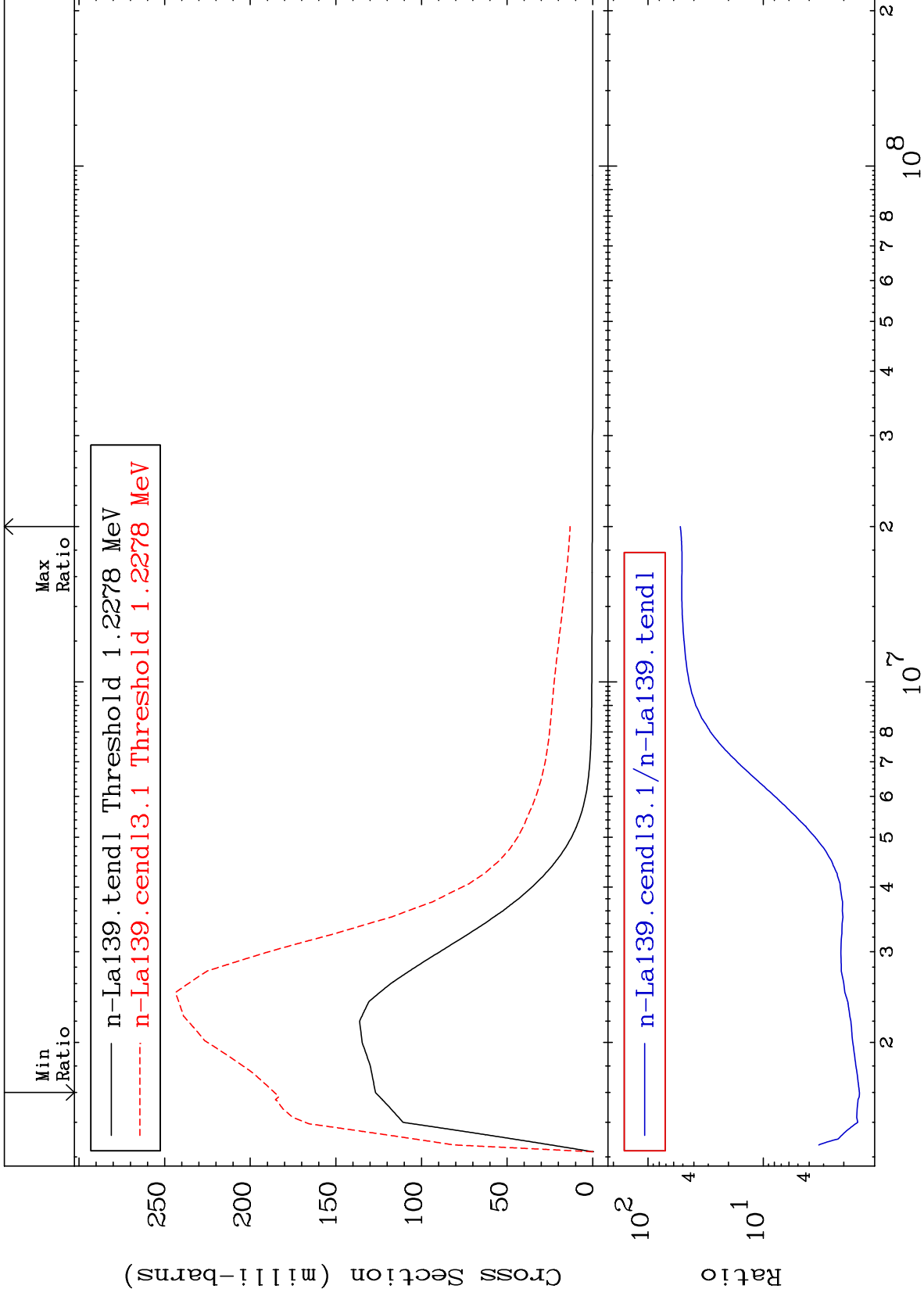
57-La-139
37.67 To 9999. %



MAT 5728

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

57-La-139
46.48 To 5141. %



10

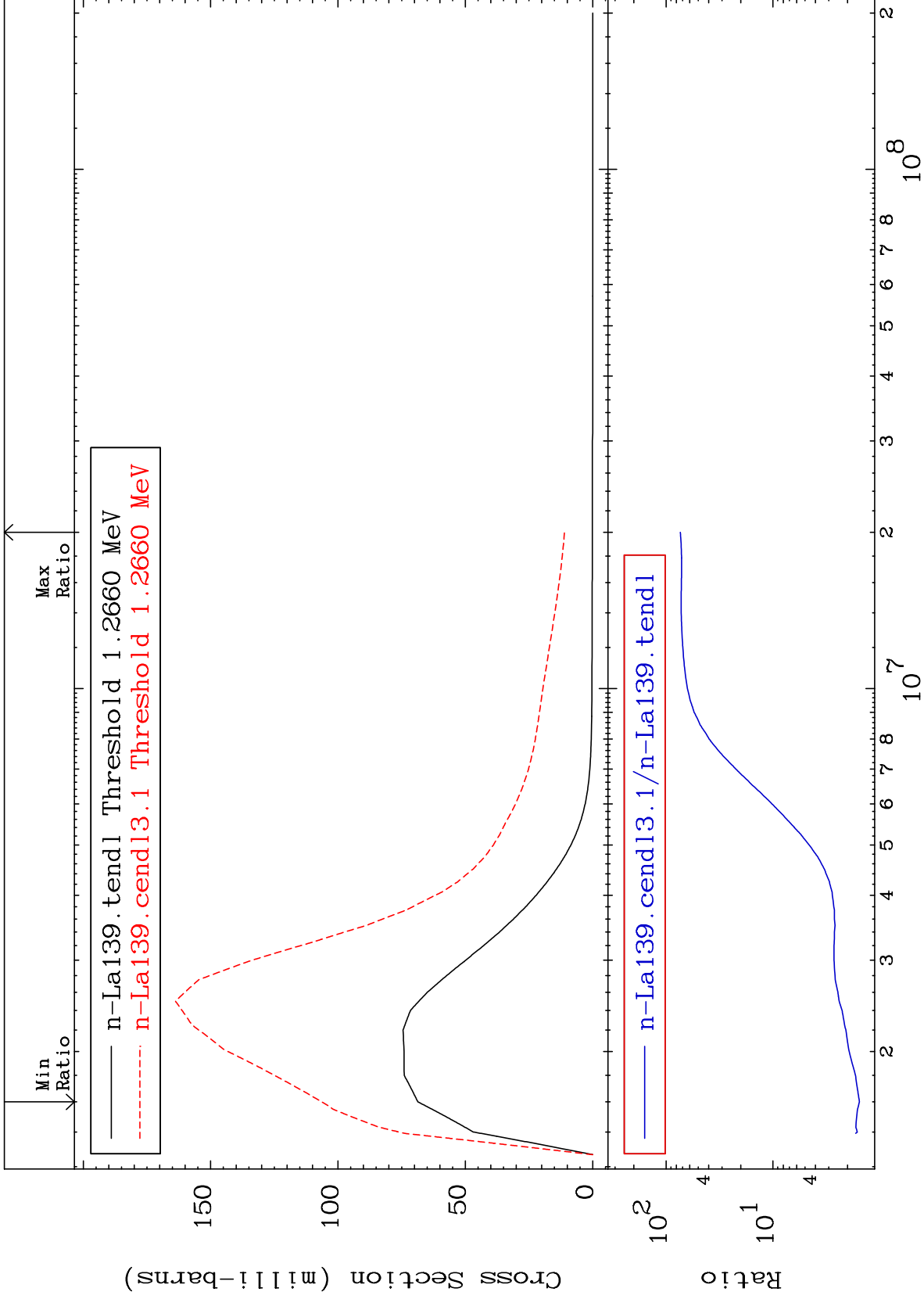
Incident Energy (eV)

57-La-139

MAT 5728

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

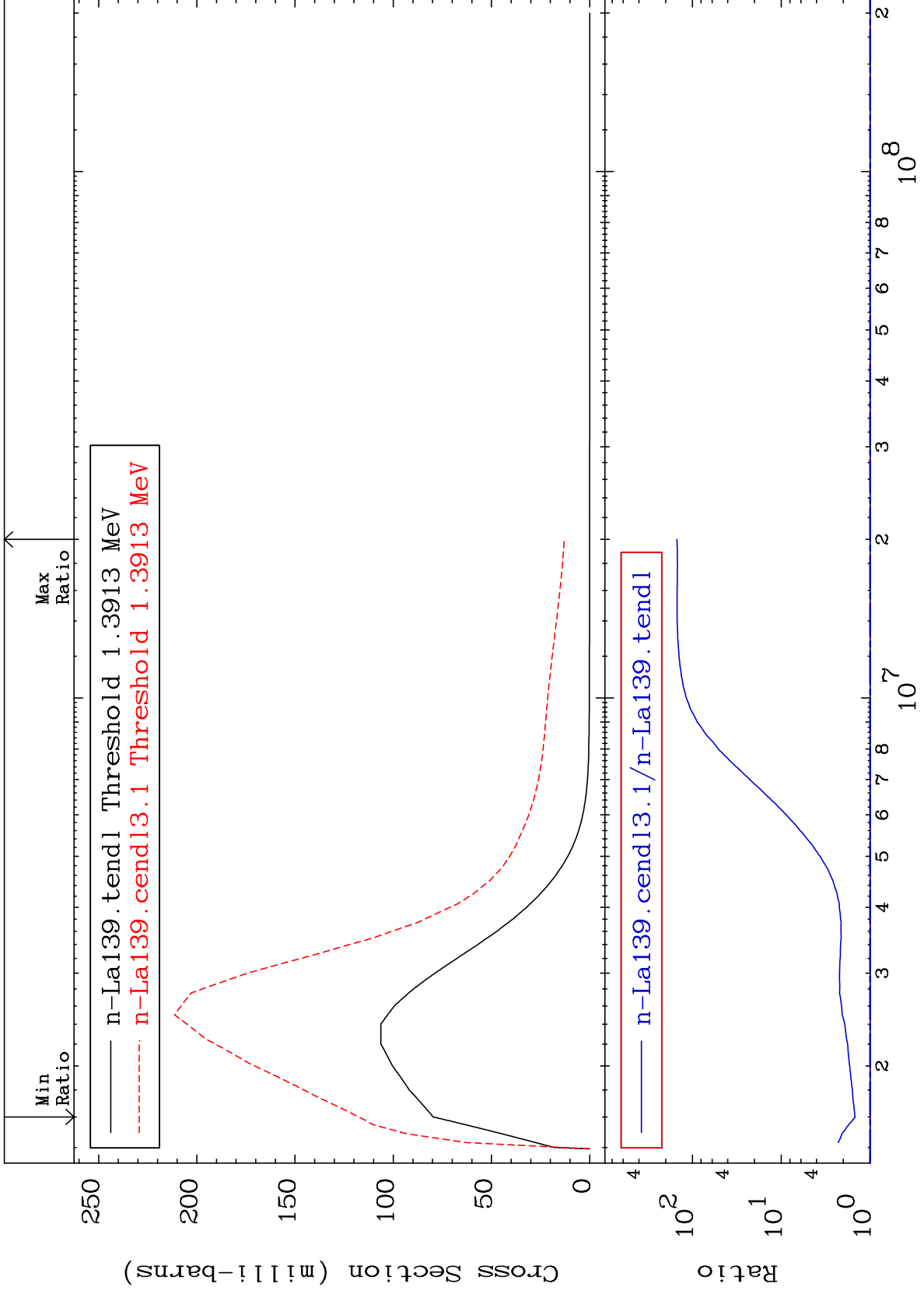
57-La-139
54.93 To 7247. %



MAT 5728

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

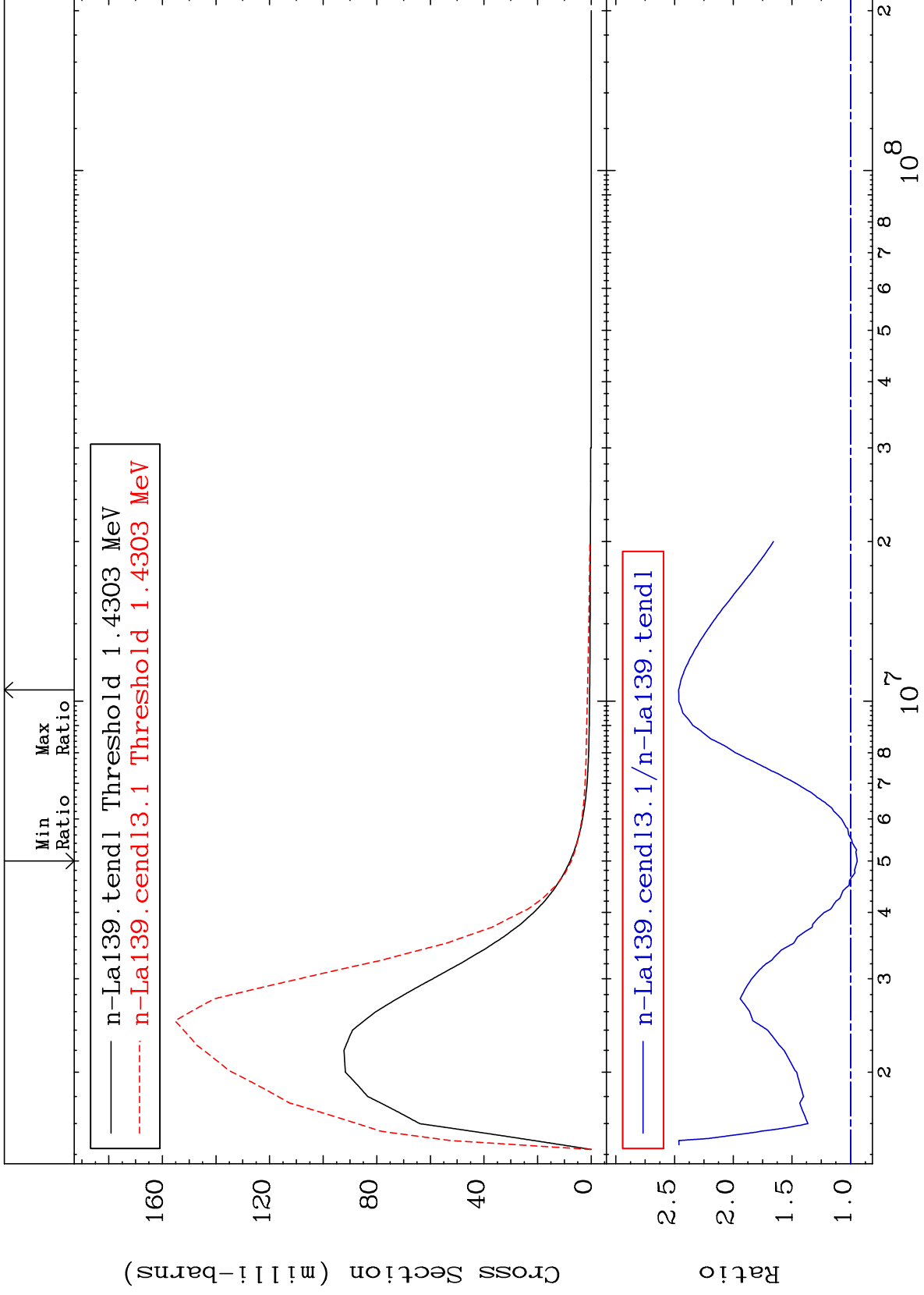
57-La-139
47.54 To 9999. %



MAT 5728

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

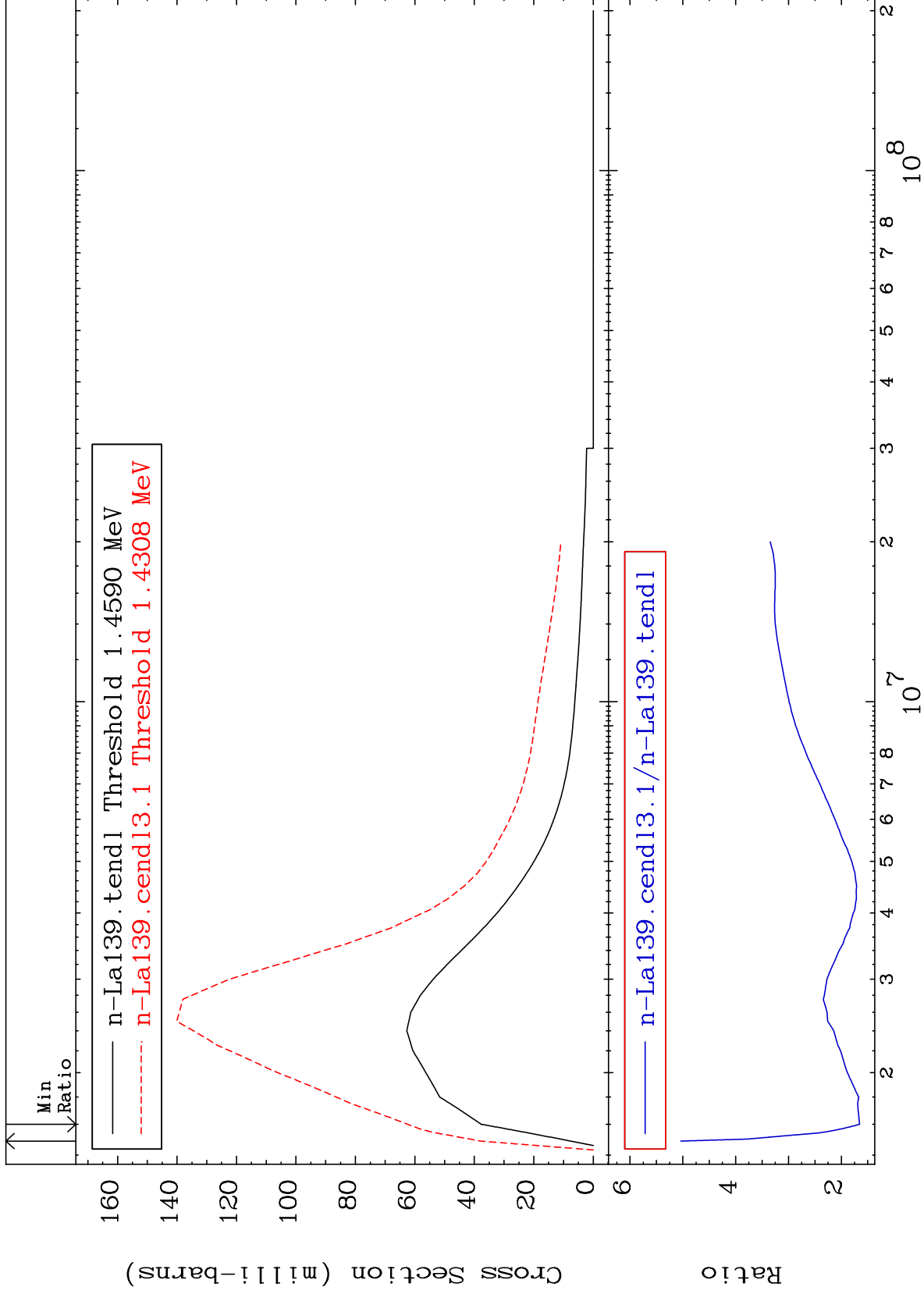
57-La-139
-5.668 To 146.5 %



MAT 5728

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

57-La-139
65.53 To 403.9 %



14

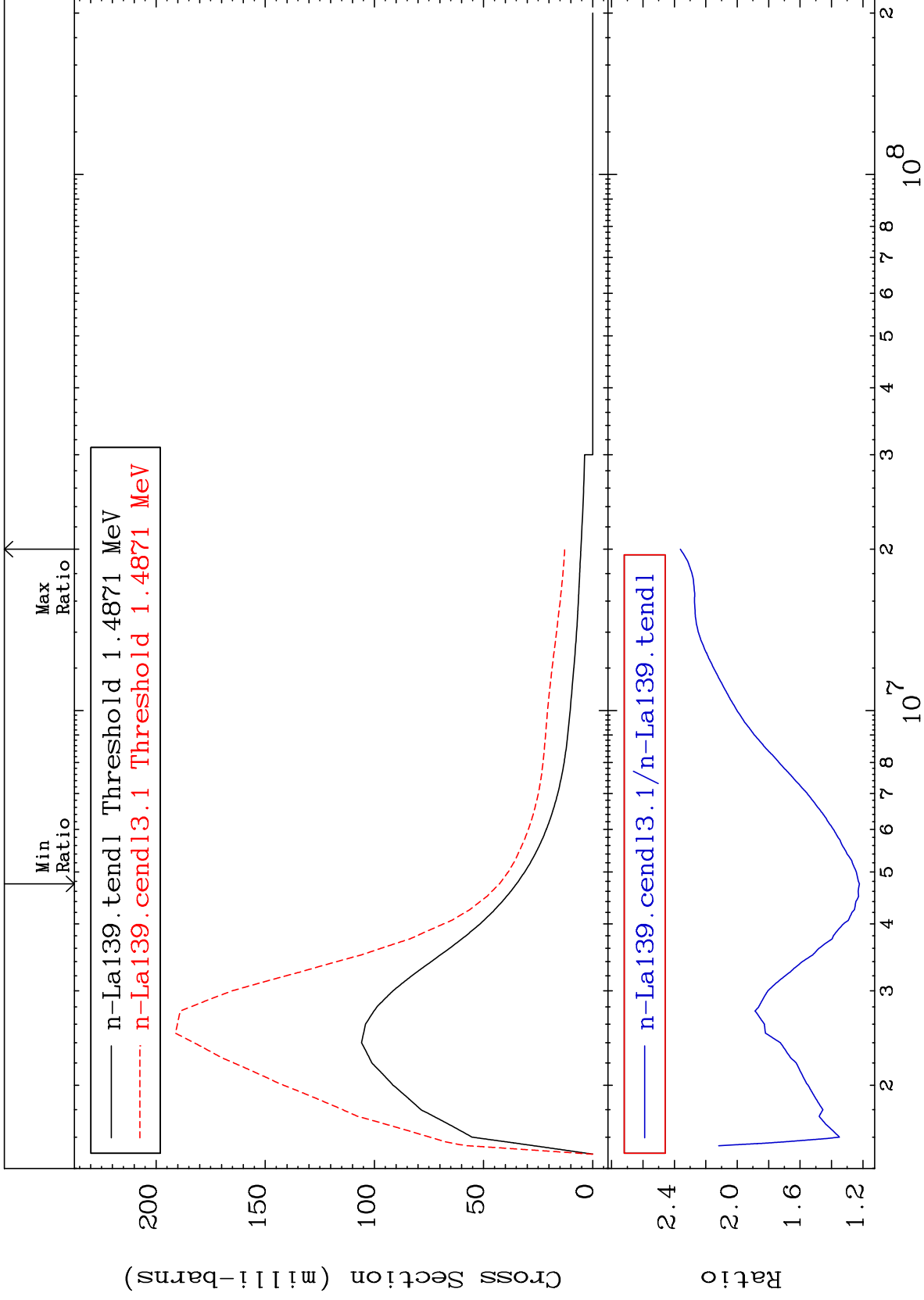
Incident Energy (eV)

57-La-139

MAT 5728

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

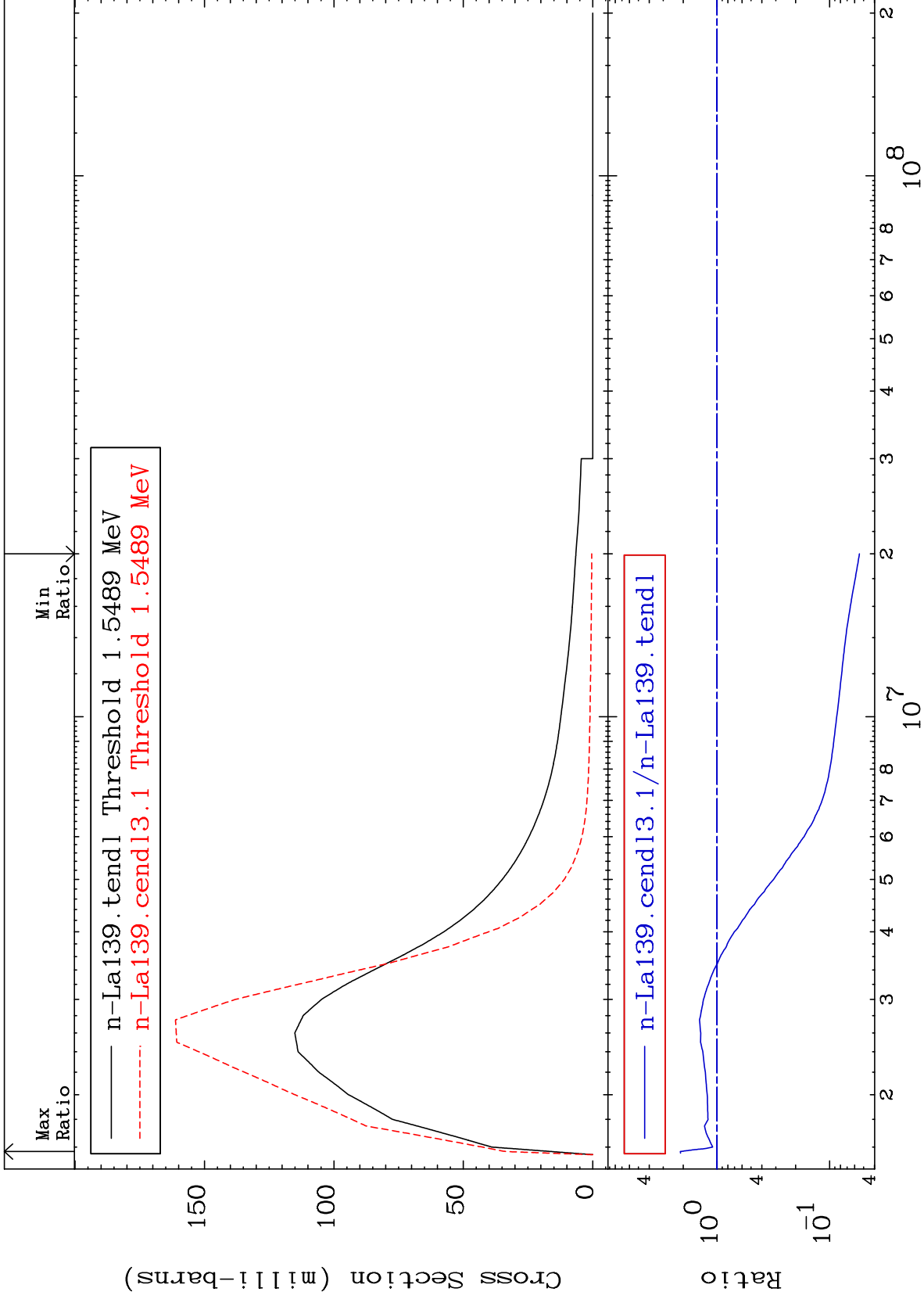
57-La-139
22.23 To 136.2 %



MAT 5728

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

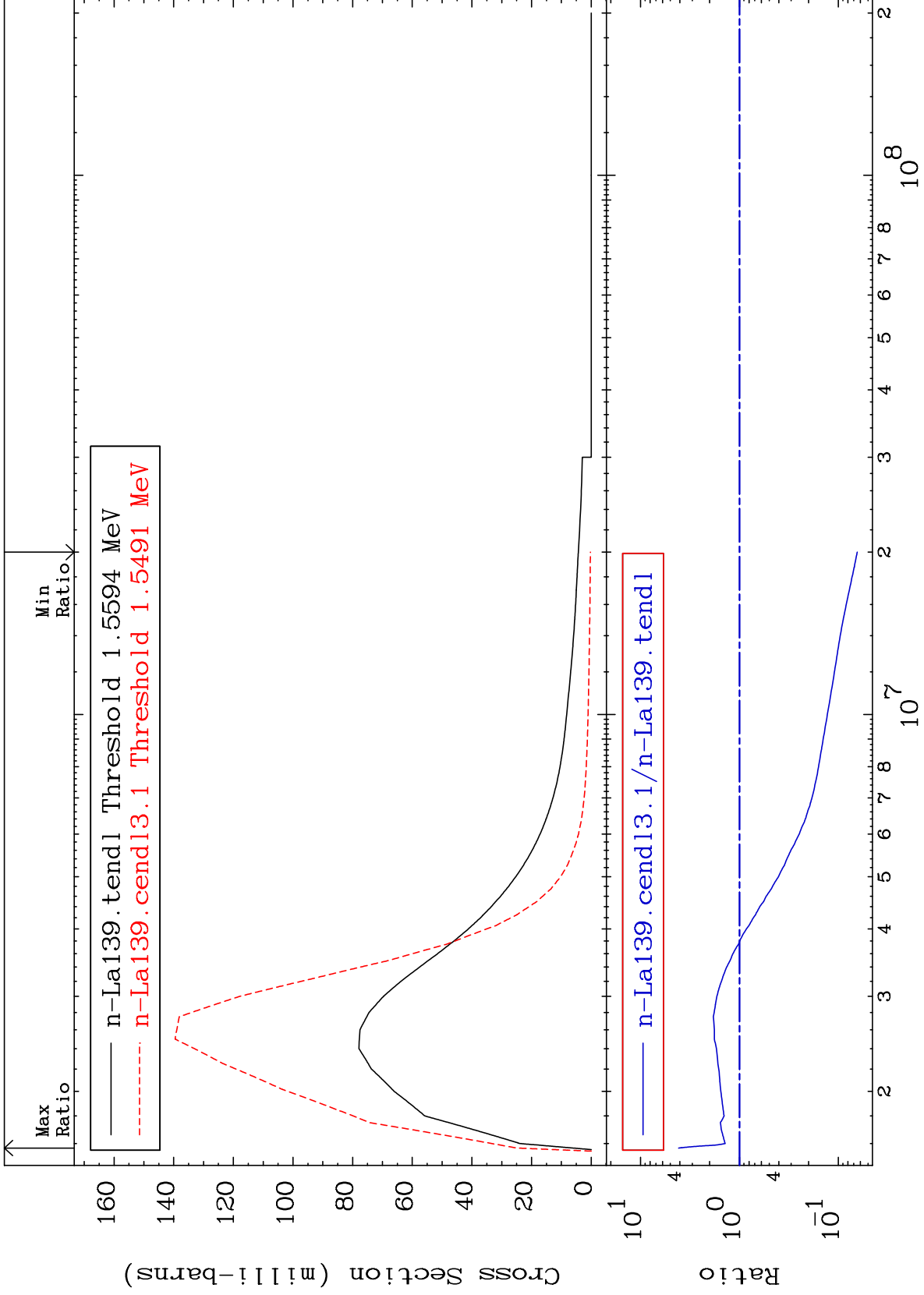
57-La-139
-94.57 To 111.7 %



MAT 5728

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

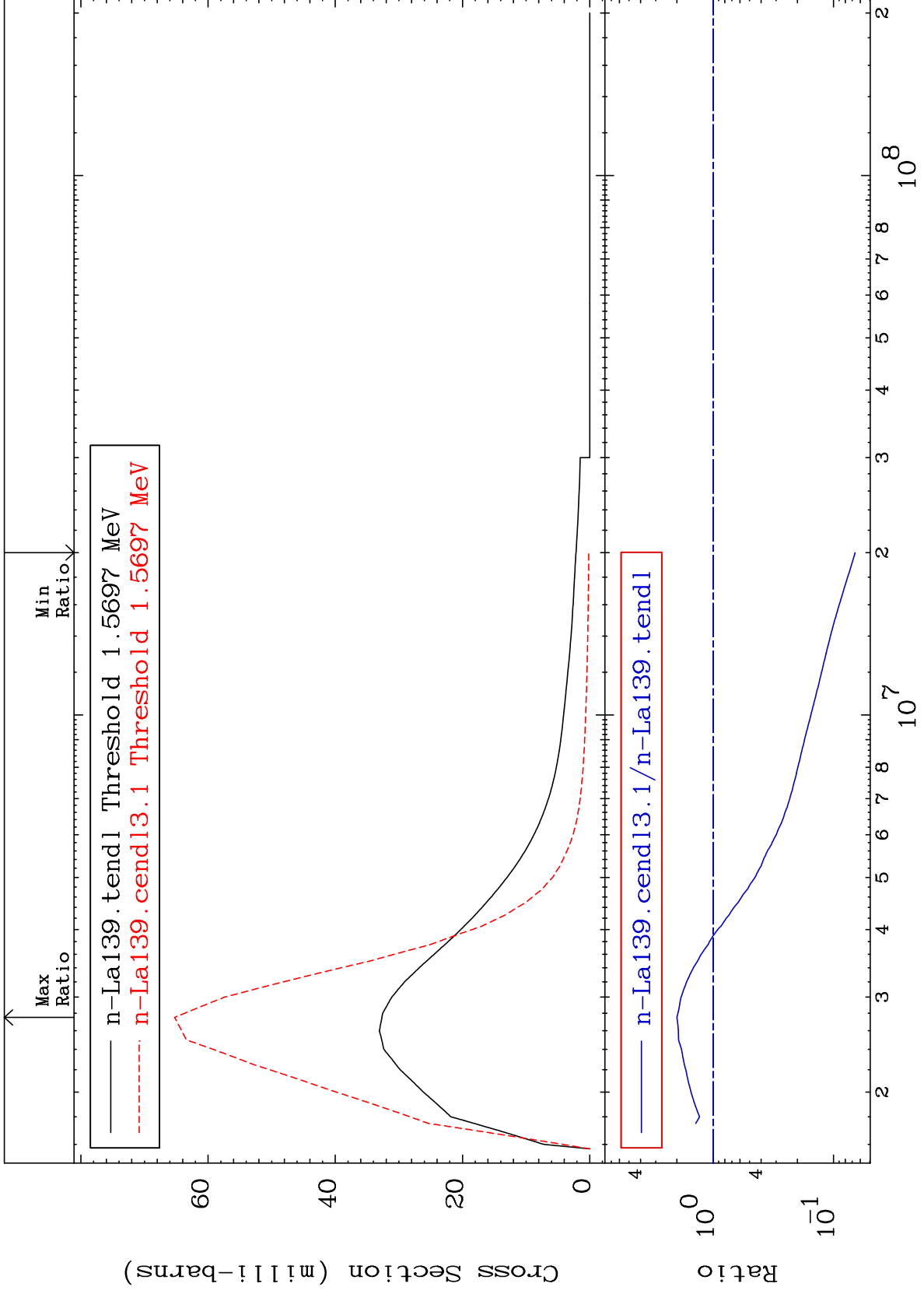
57-La-139
-93.56 To 312.0 %



MAT 5728

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

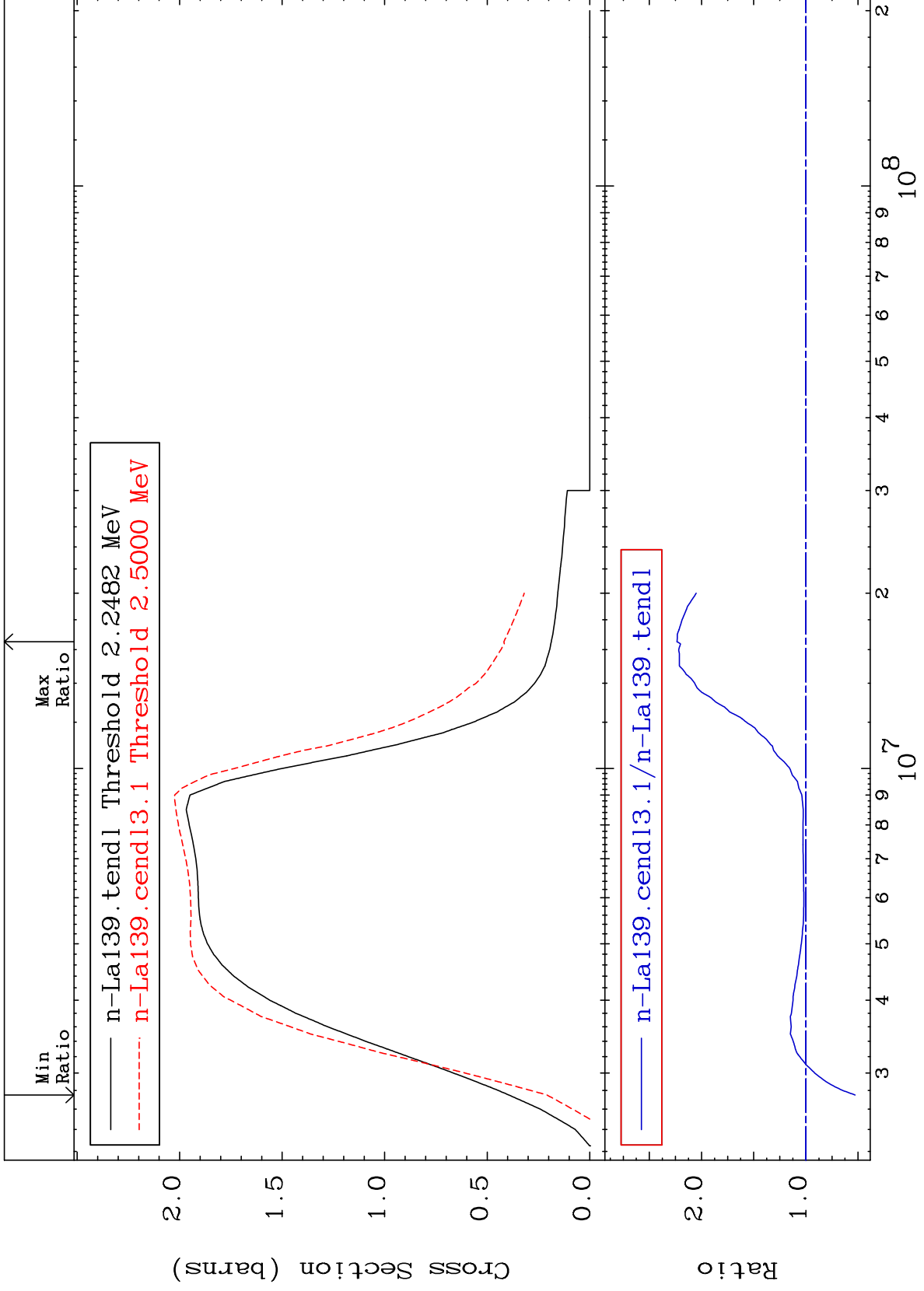
57-La-139
-93.37 To 99.77 %



MAT 5728

(n, n') Continuum
Cross Section

57-La-139
-47.16 To 123.6 %



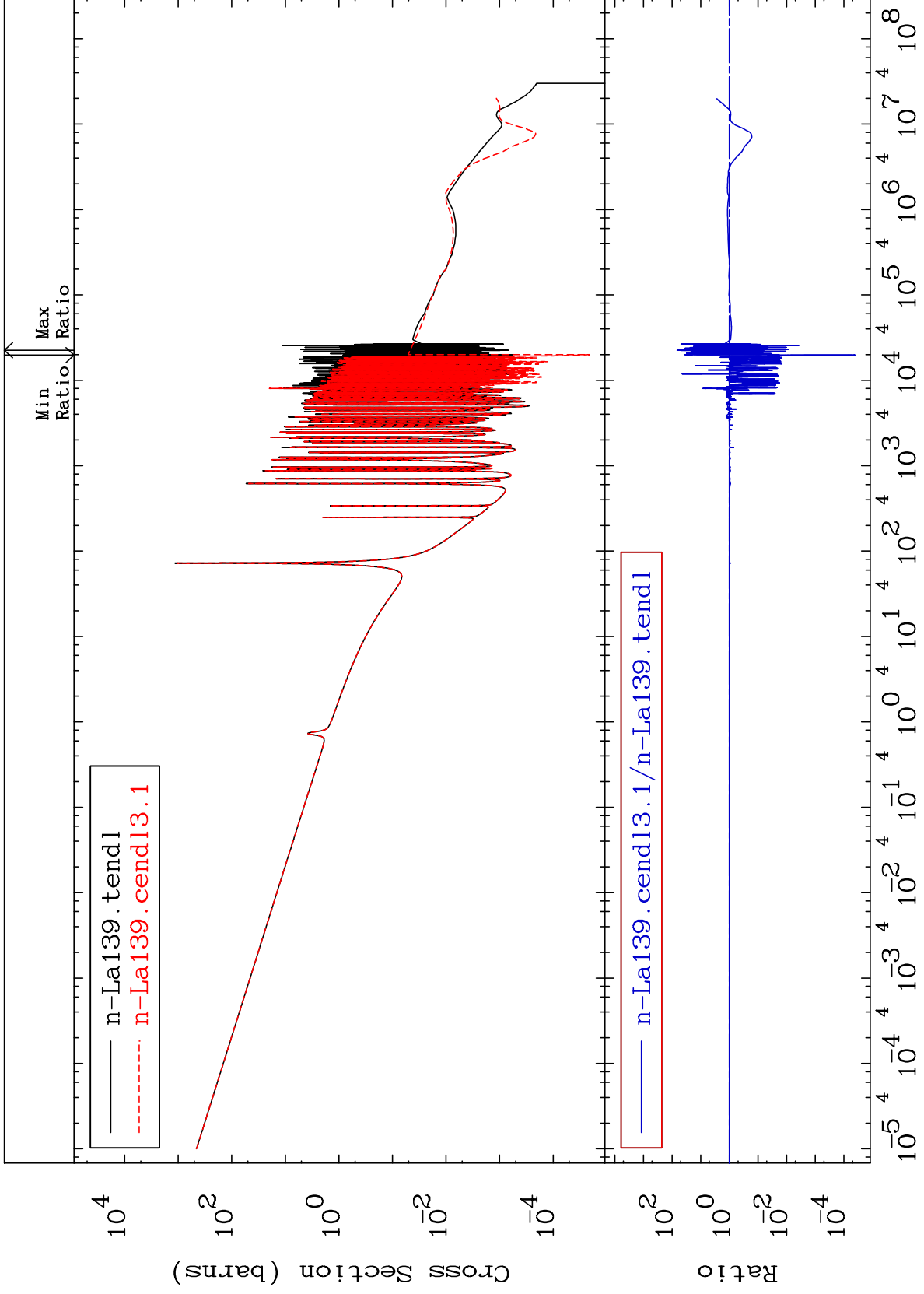
MAT 5728

(n, γ)

57-La-139

Cross Section

-100.0 To 6660. %



20

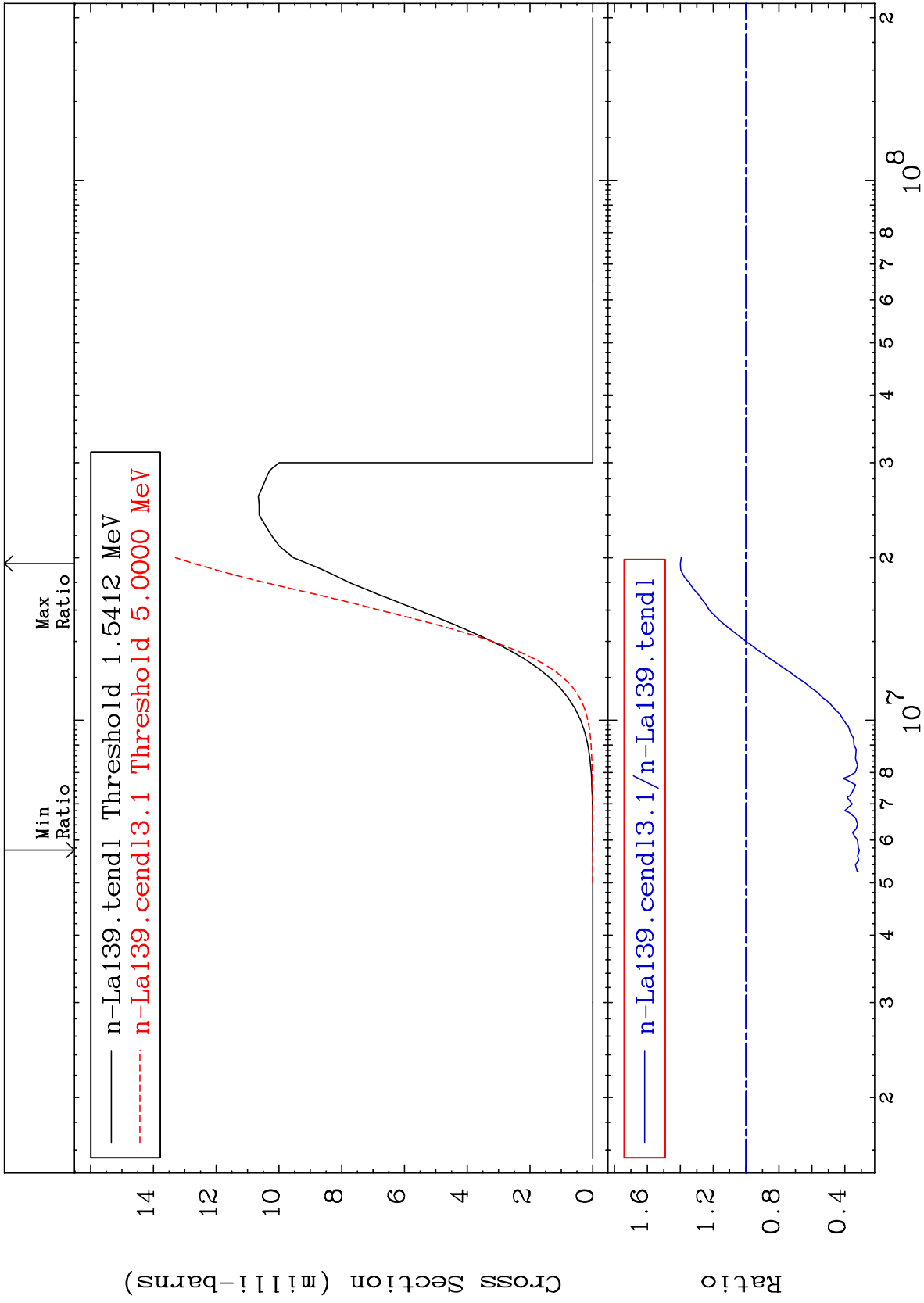
Incident Energy (eV)

57-La-139

MAT 5728

(n,p)
Cross Section

57-La-139
-68.88 To 39.93 %



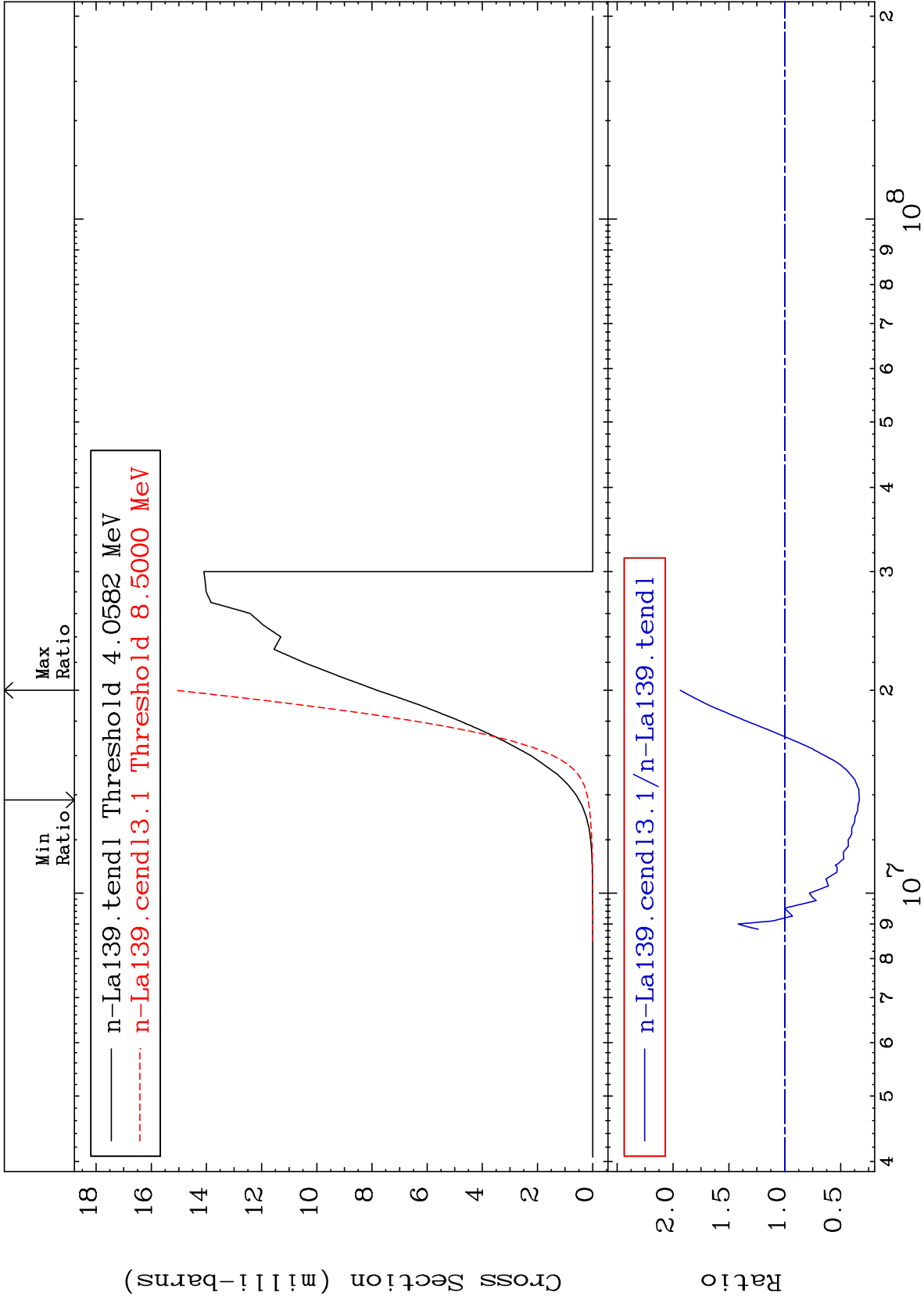
MAT 5728

(n, d)

57-La-139

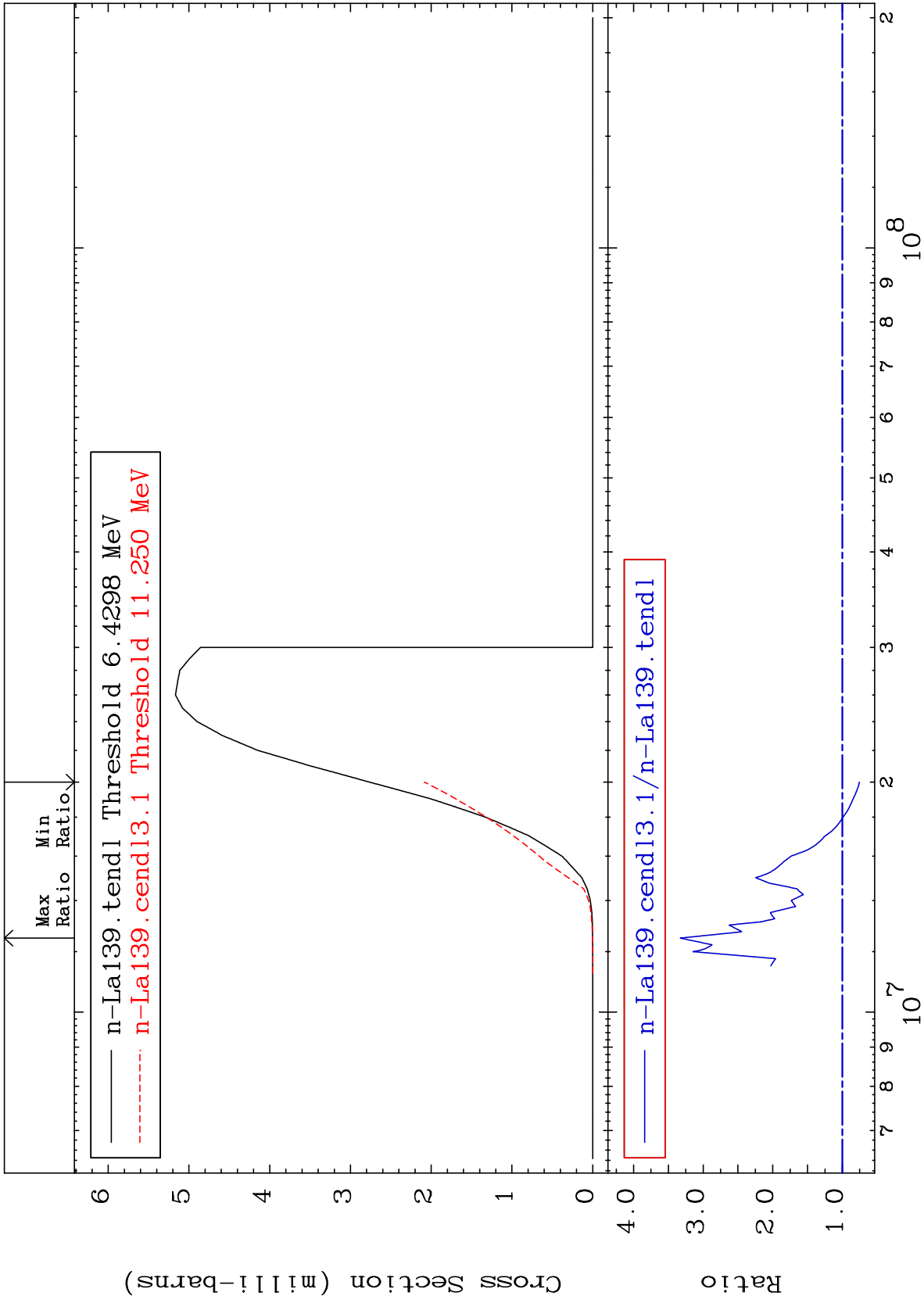
Cross Section

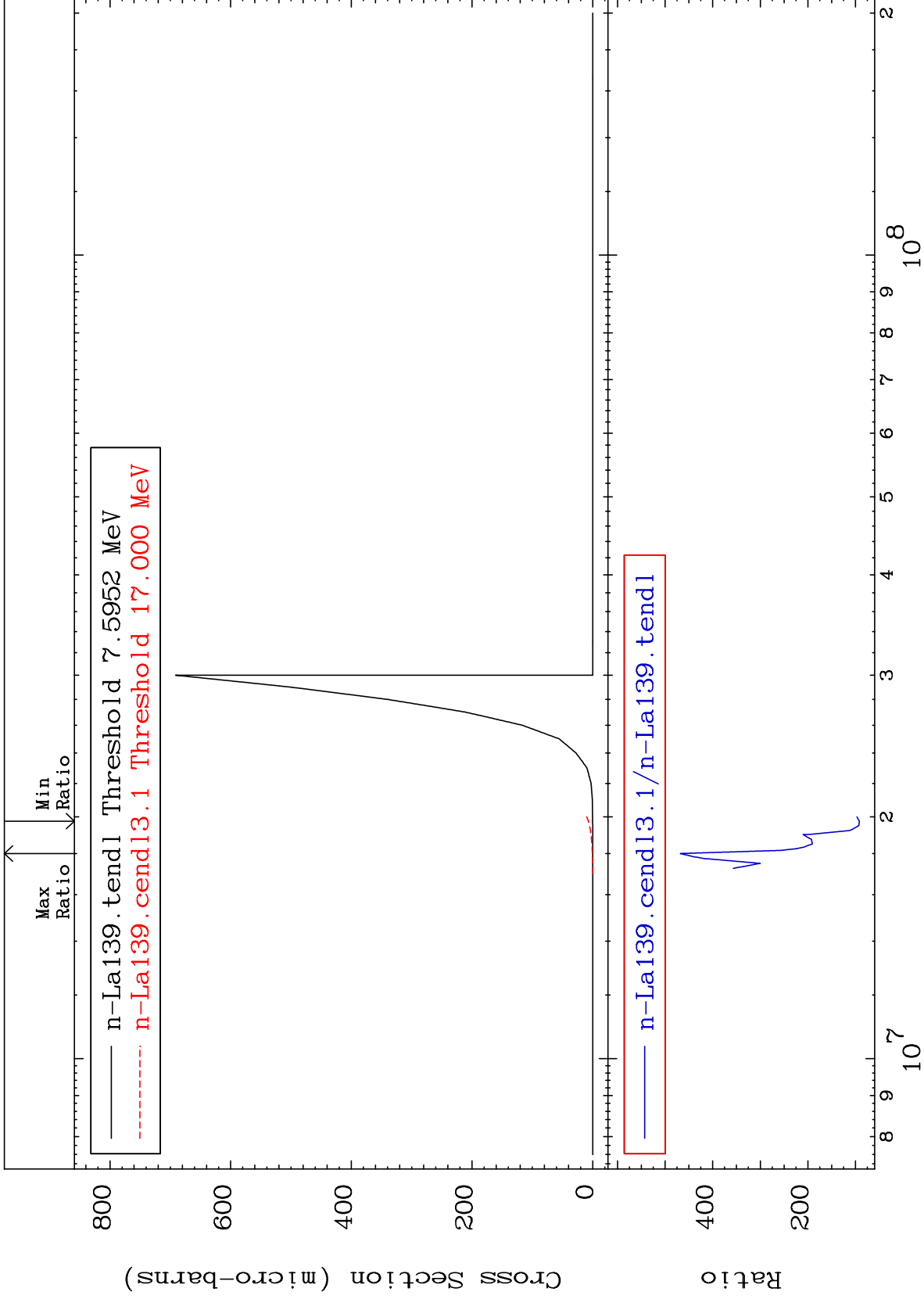
-66.71 To 93.44 %



MAT 5728

(n, t)
Cross Section
57-La-139
-24.57 To 232.8 %

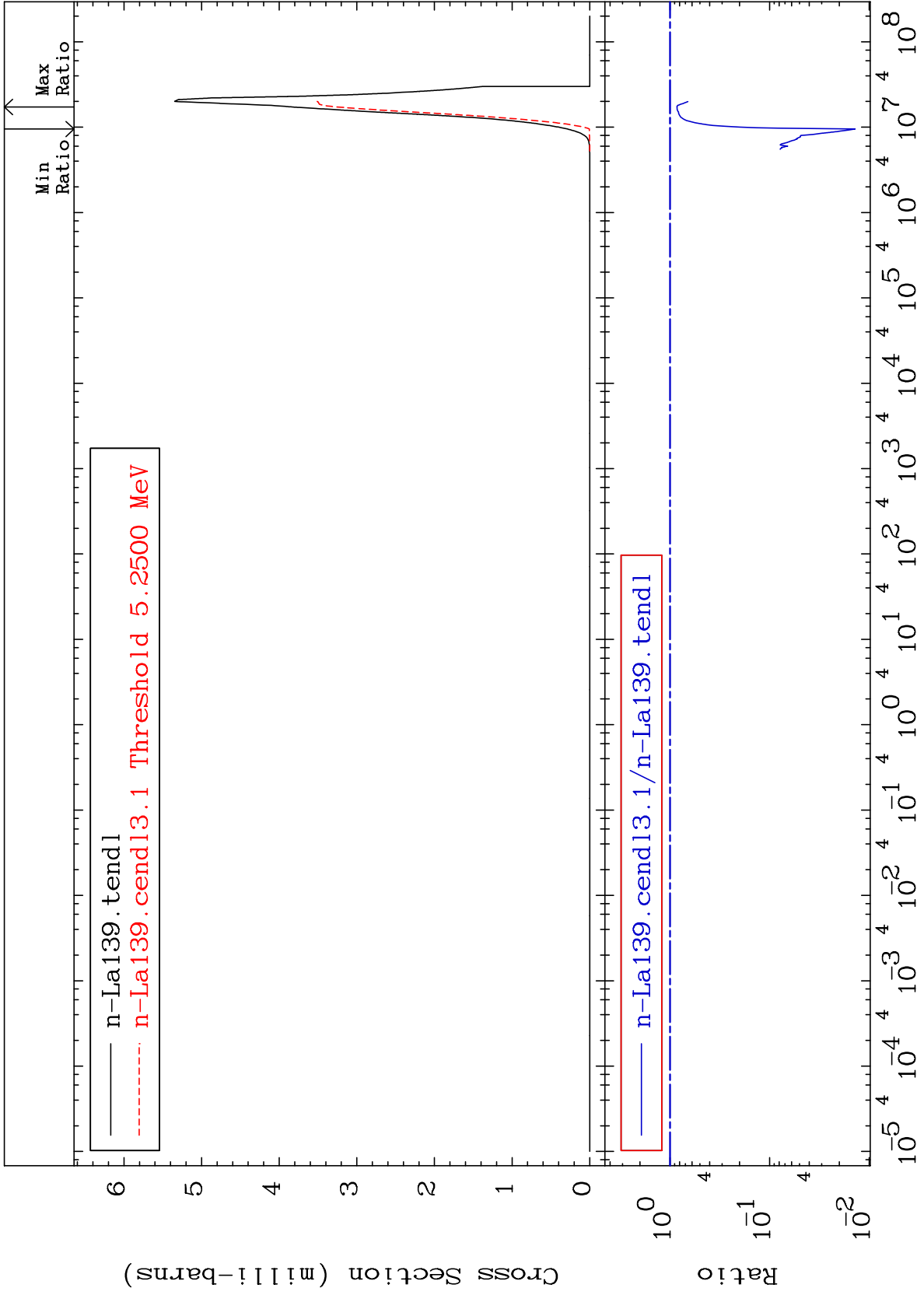




MAT 5728

(n, α)
Cross Section

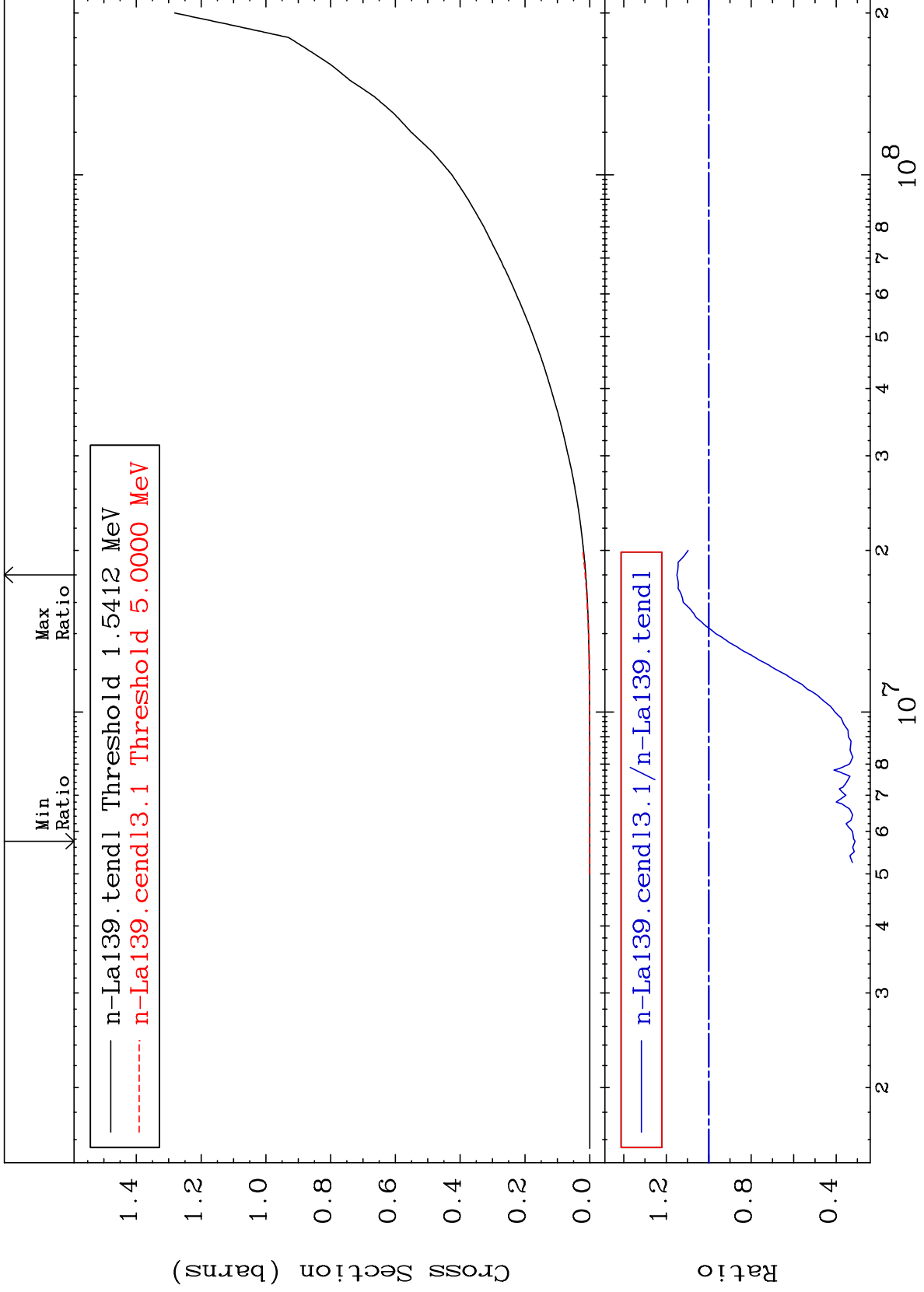
57-La-139
-98.61 To -14.87%

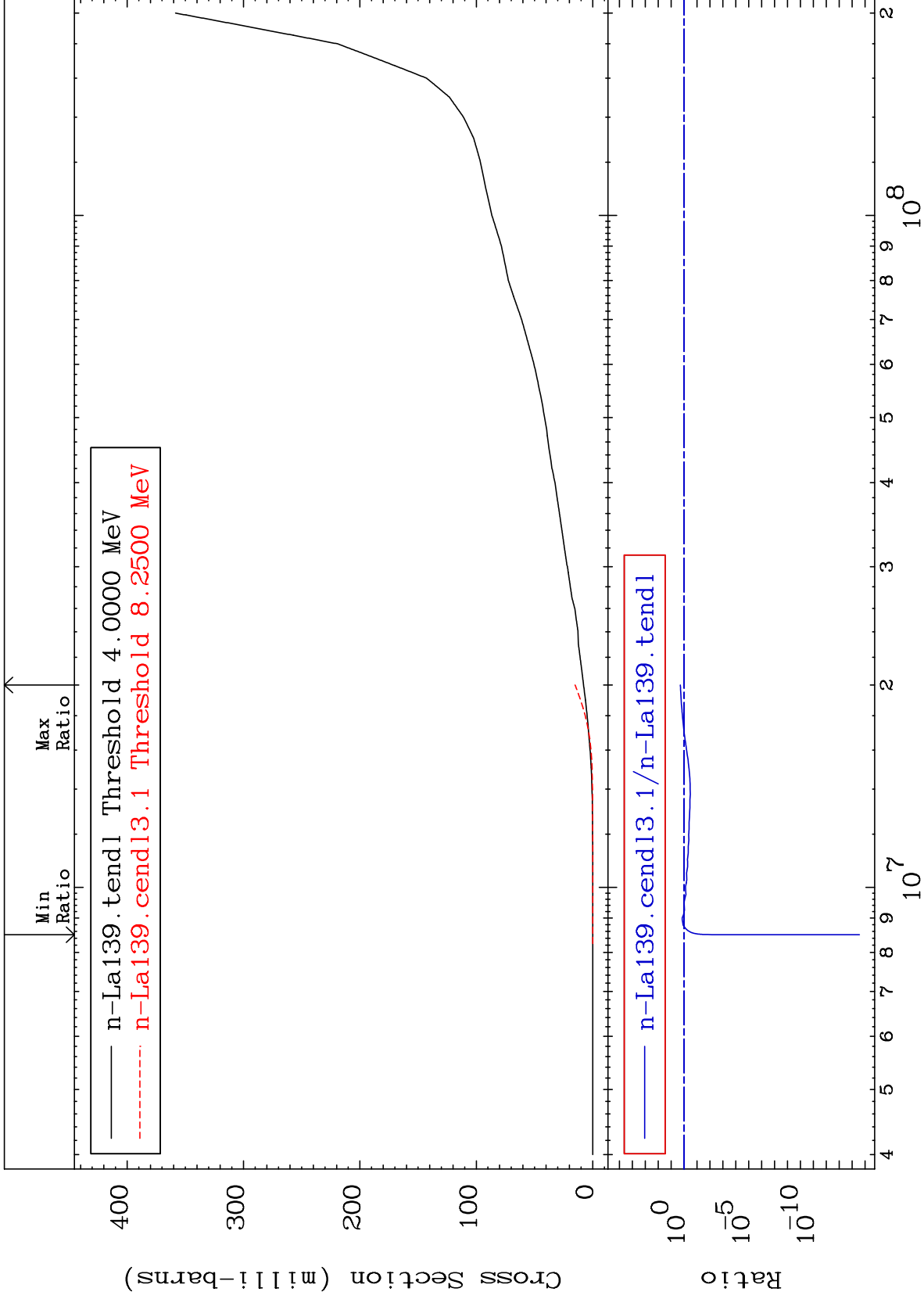


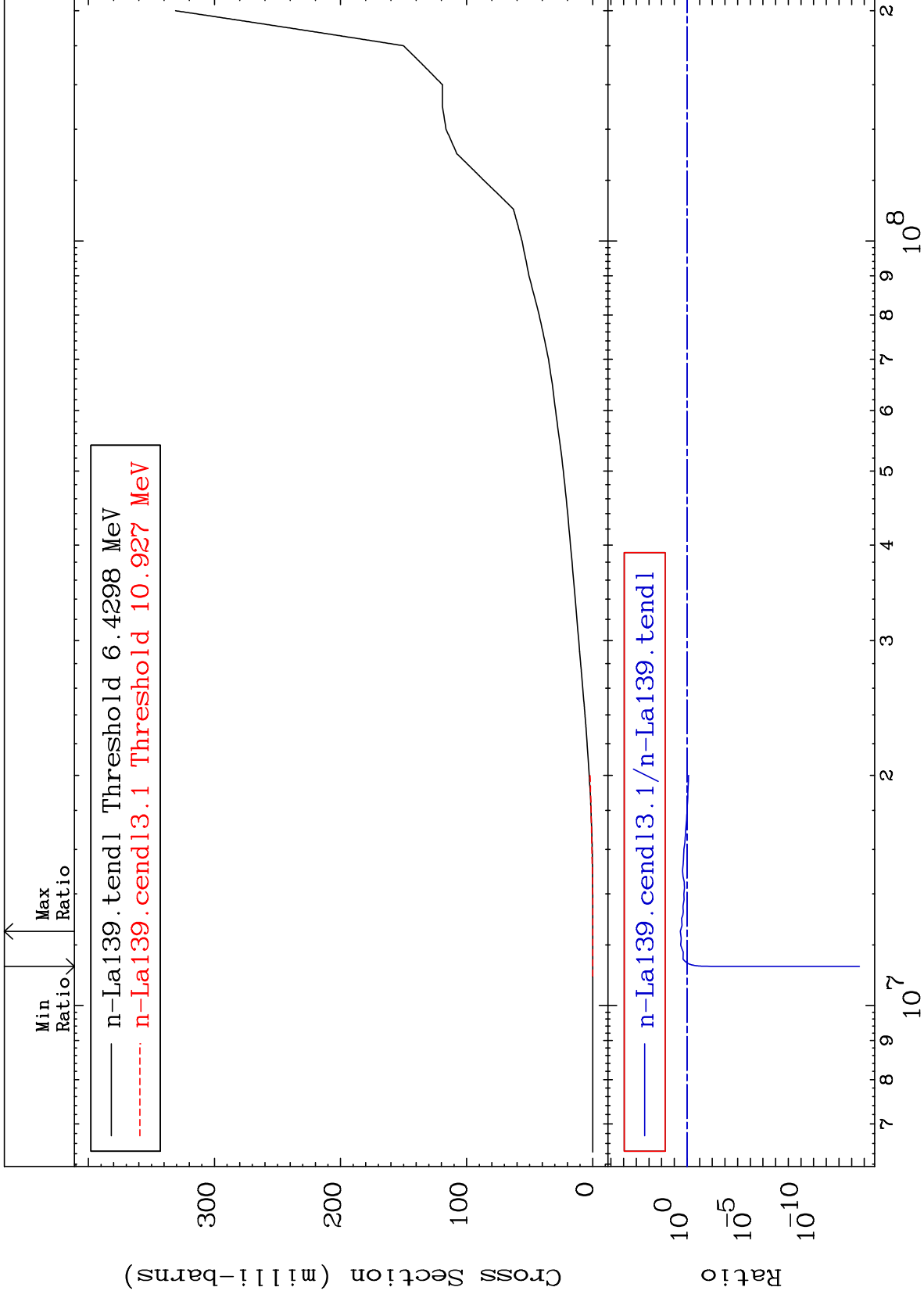
25

Incident Energy (eV)

57-La-139



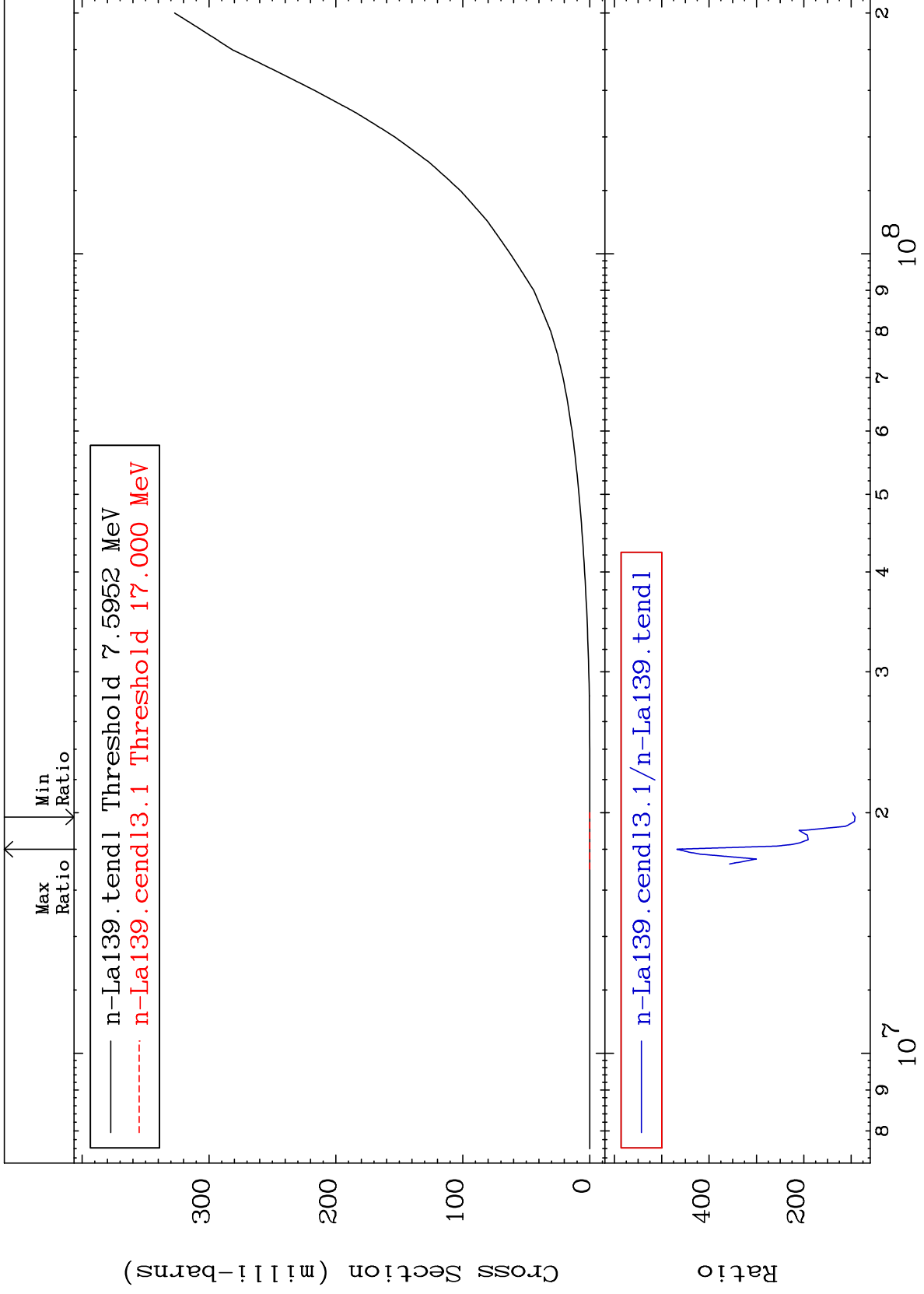




MAT 5728

He-3 Production
Cross Section

57-La-139
To 9999. %



29

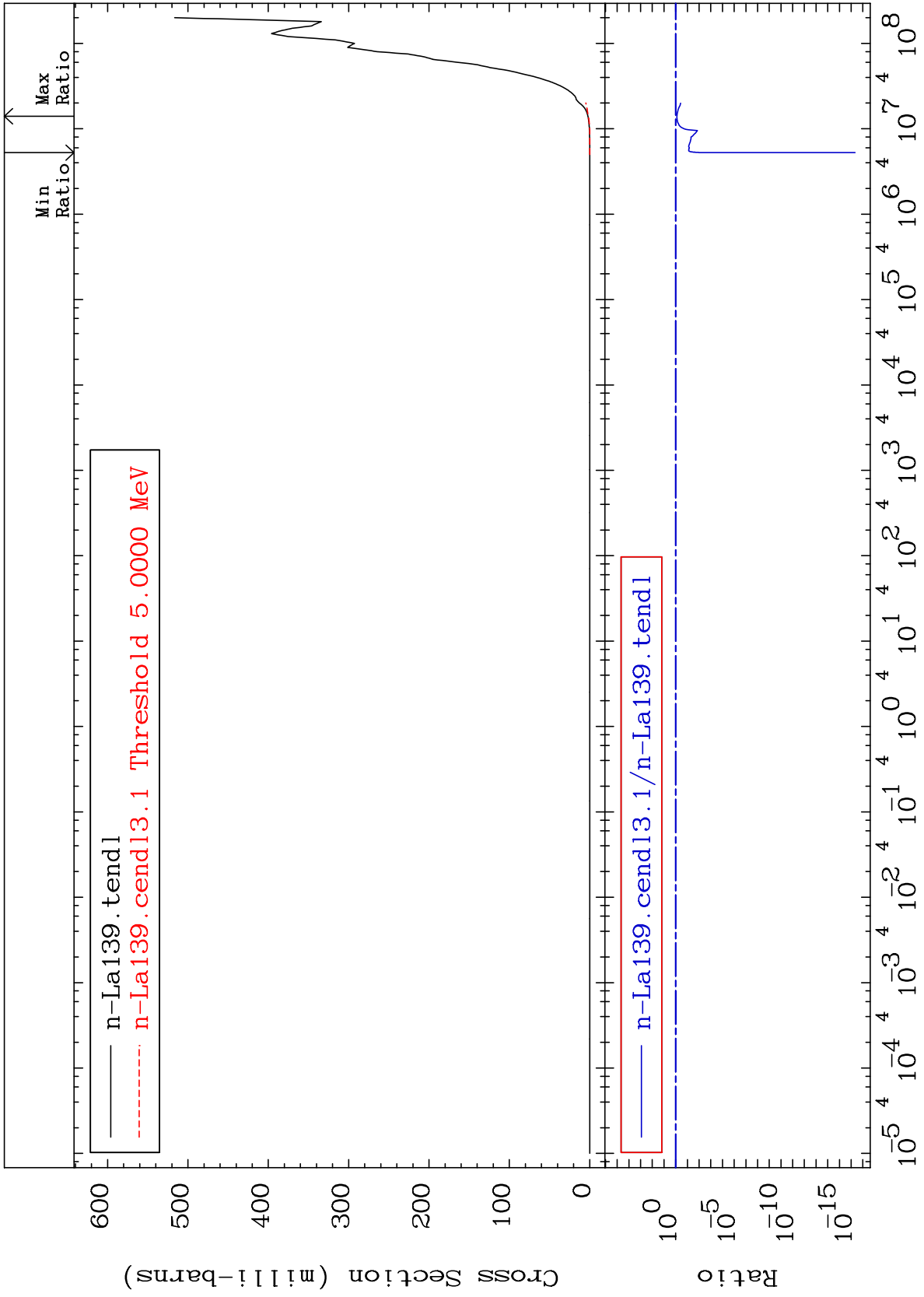
Incident Energy (eV)

57-La-139

MAT 5728

He-4 Production
Cross Section

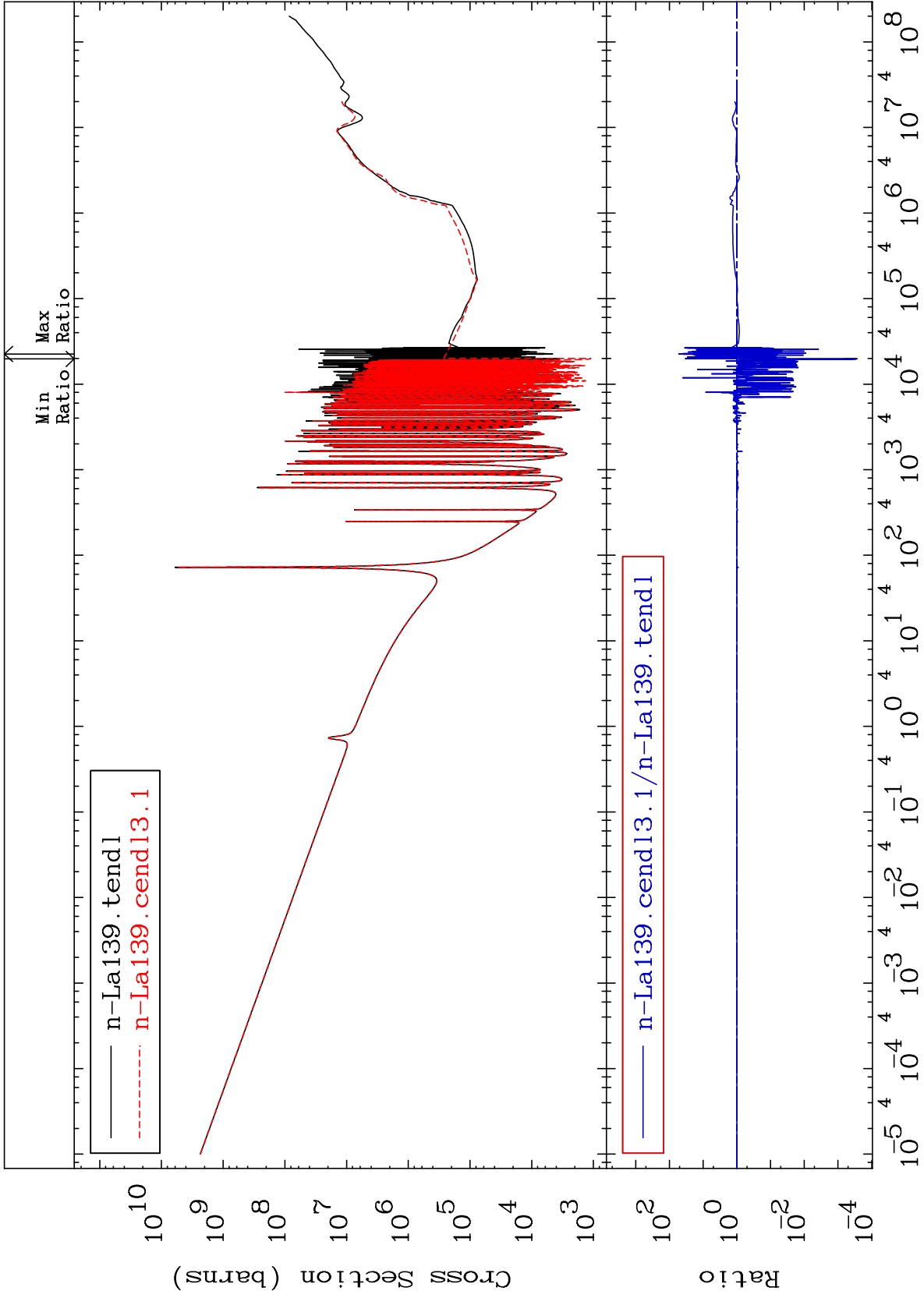
57-La-139
-100.0 To -21.64%

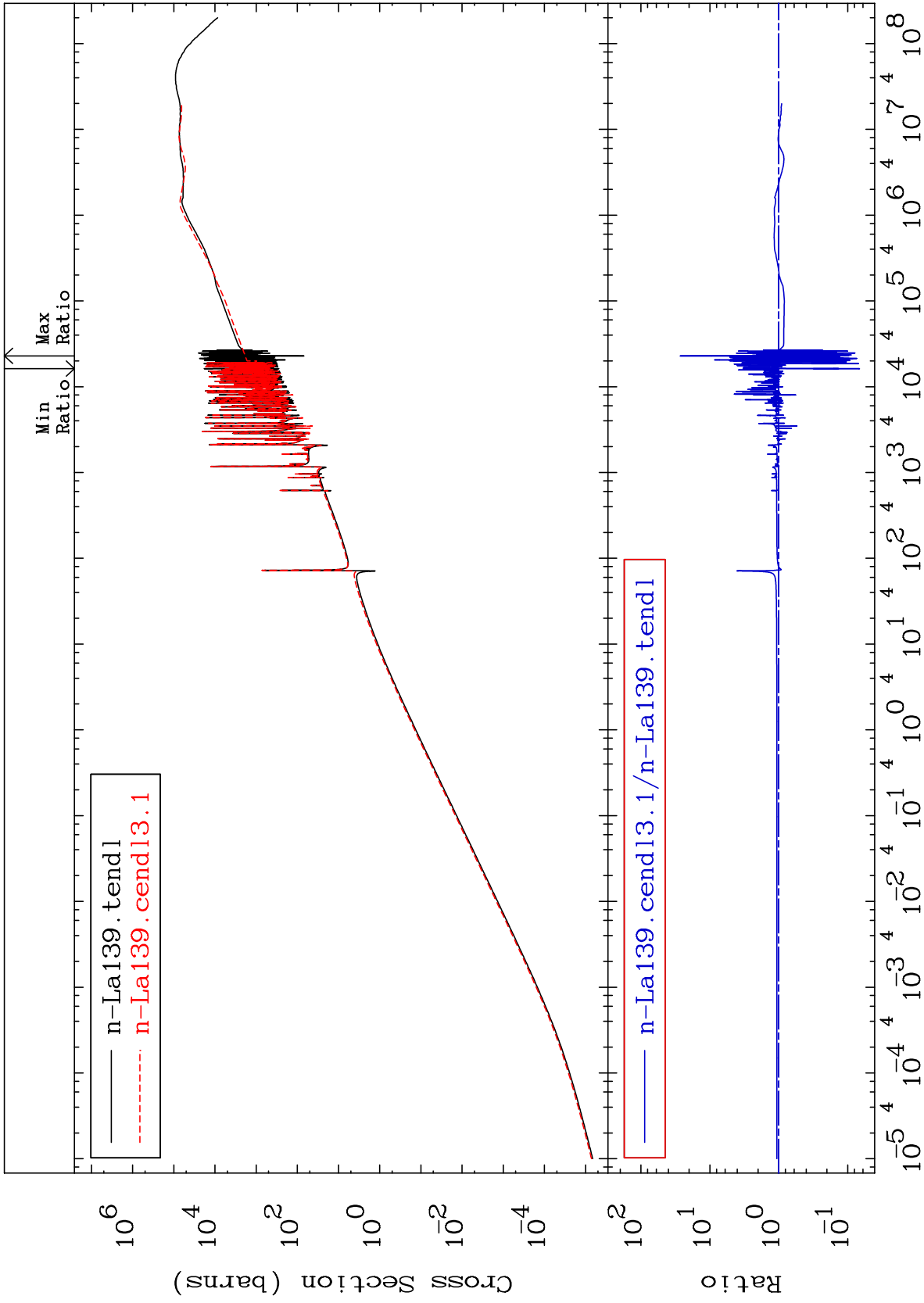


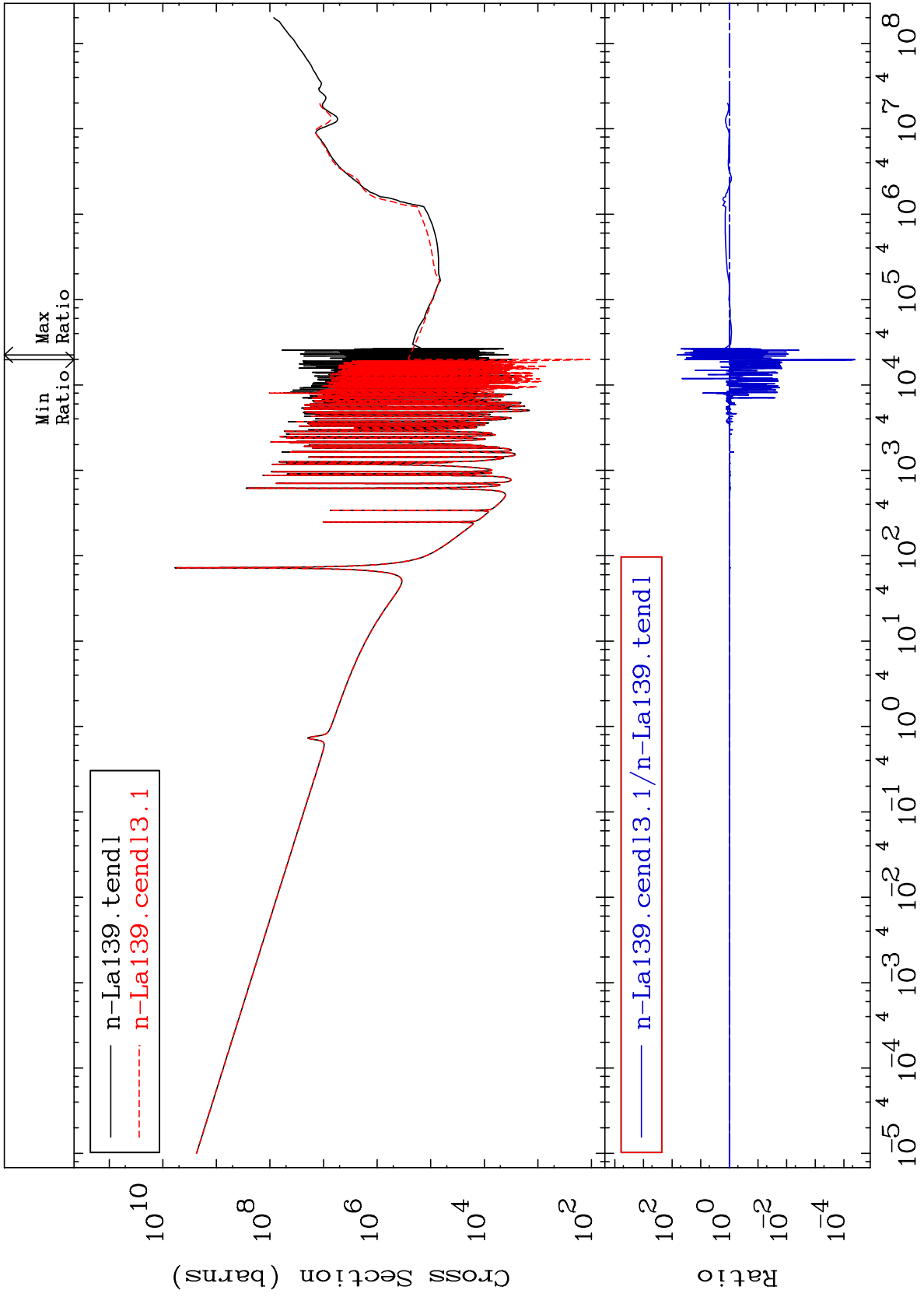
30

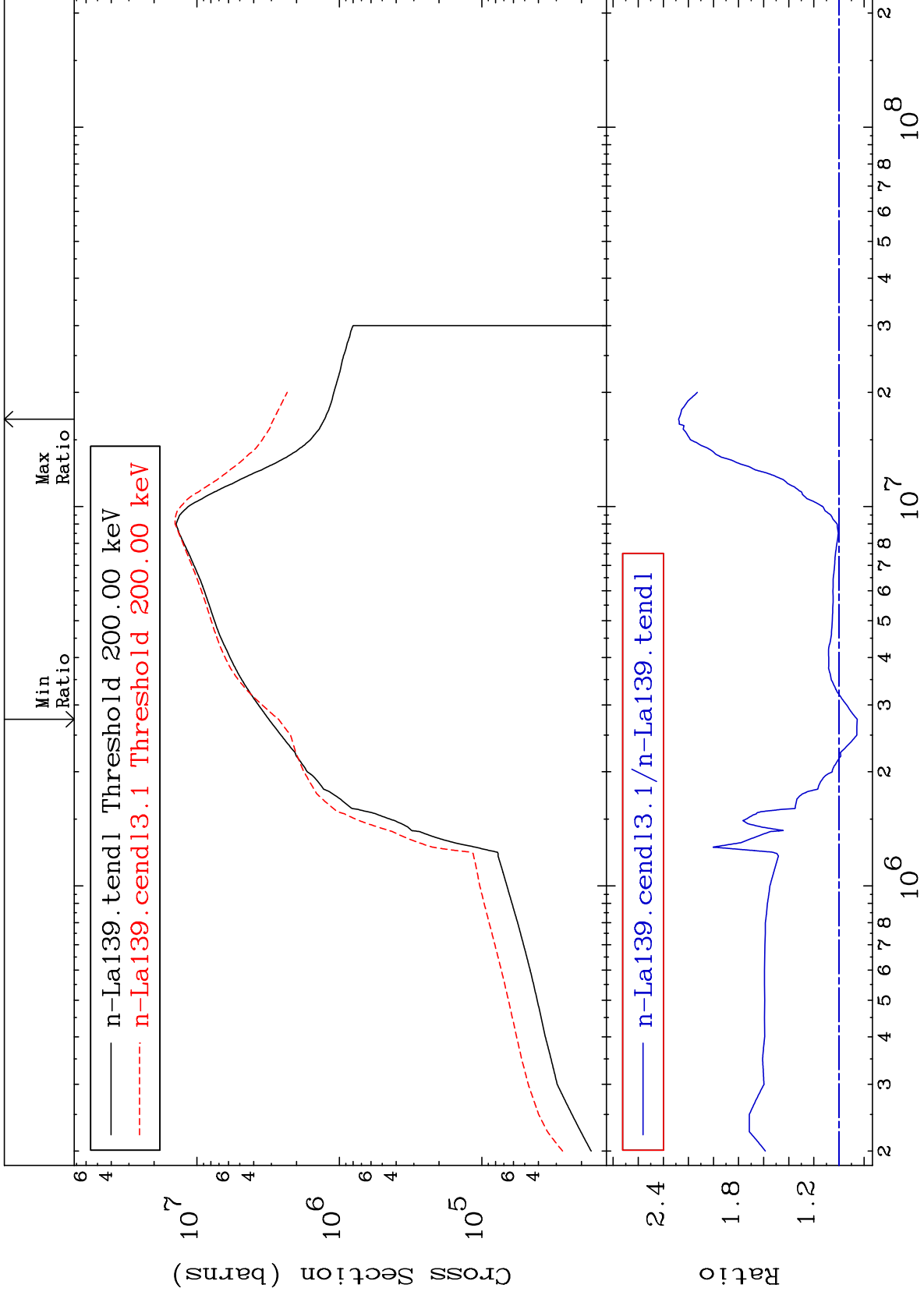
Incident Energy (eV)

57-La-139





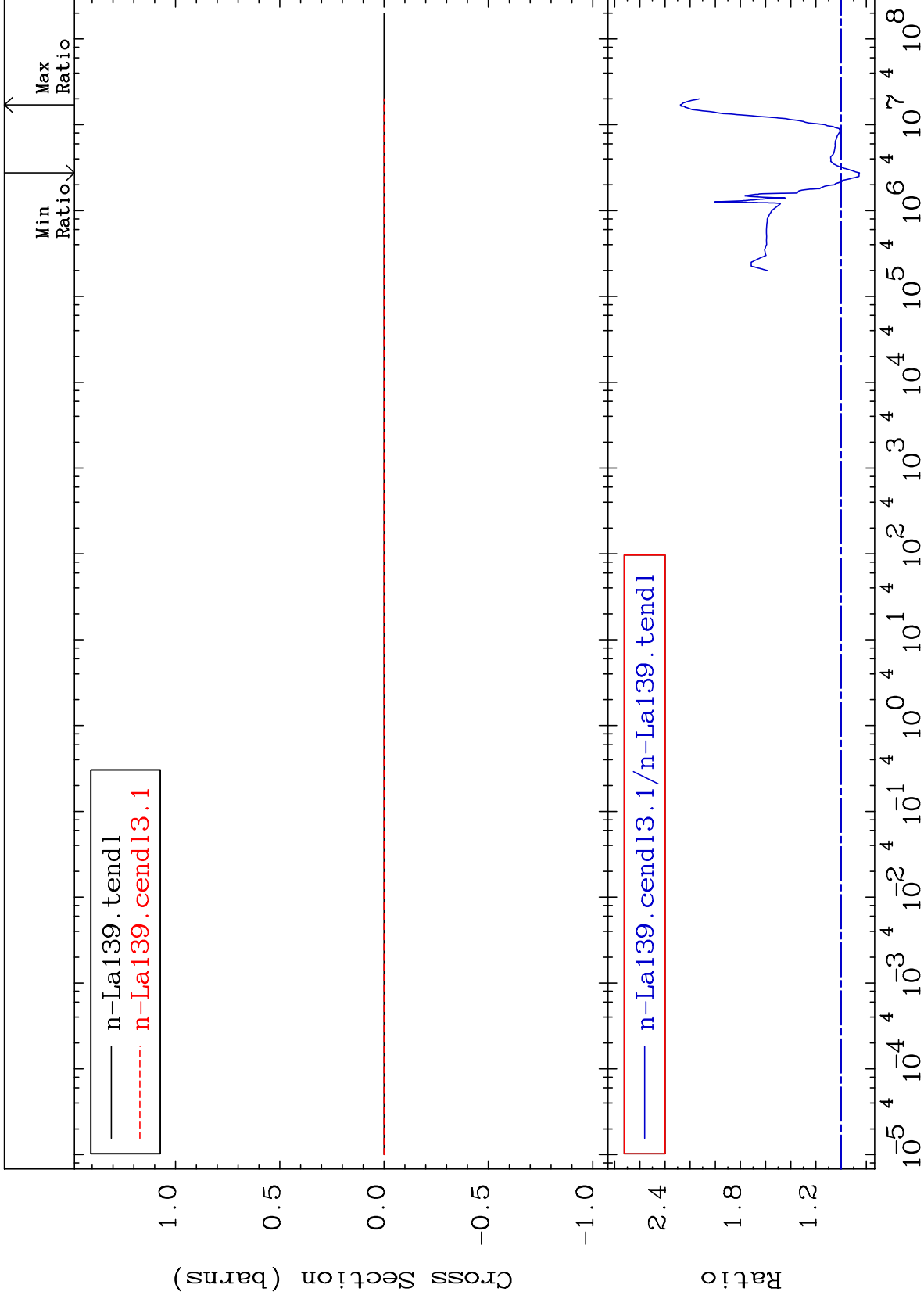


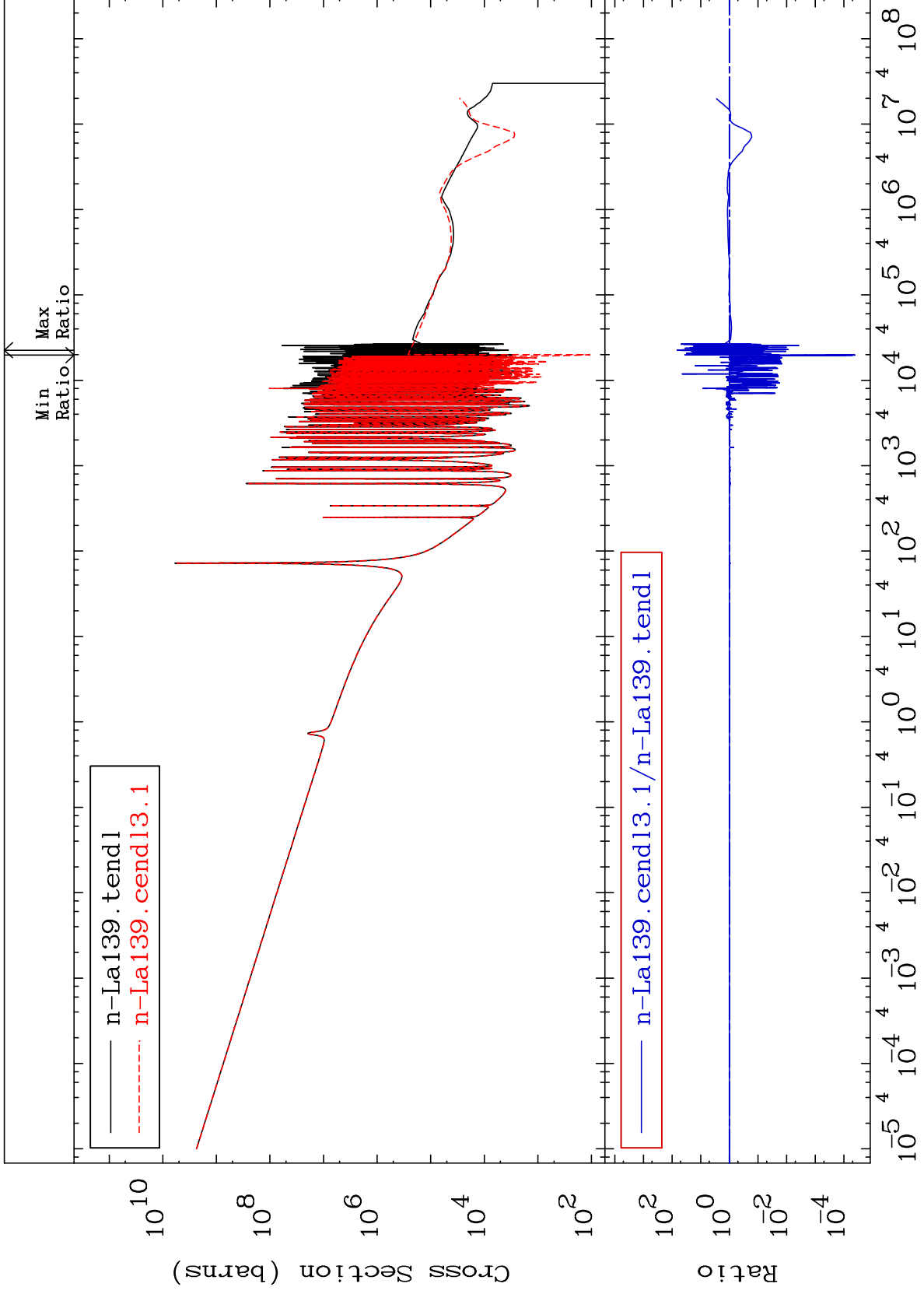


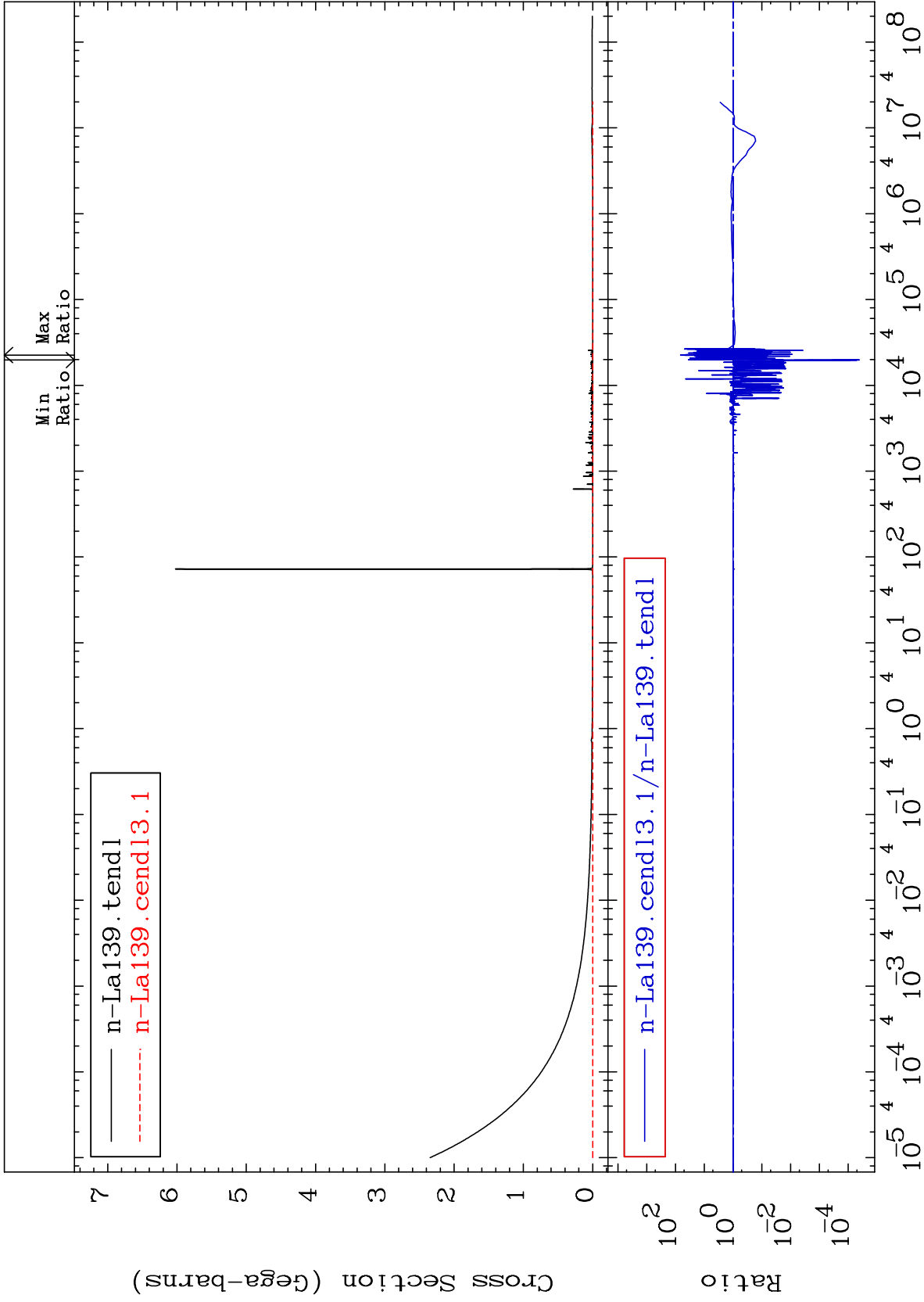
MAT 5728

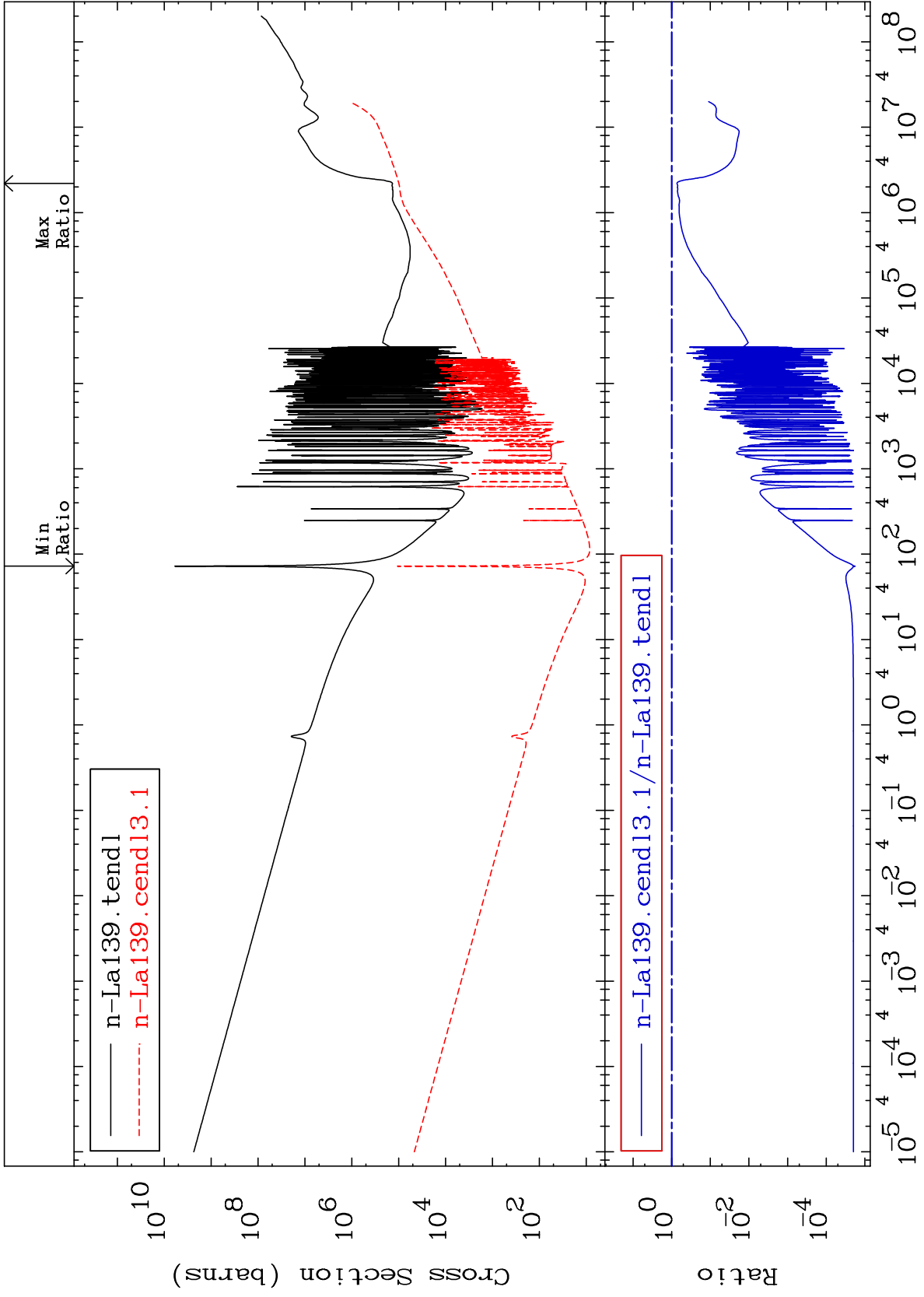
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

57-La-139
-14.60 To 127.8 %









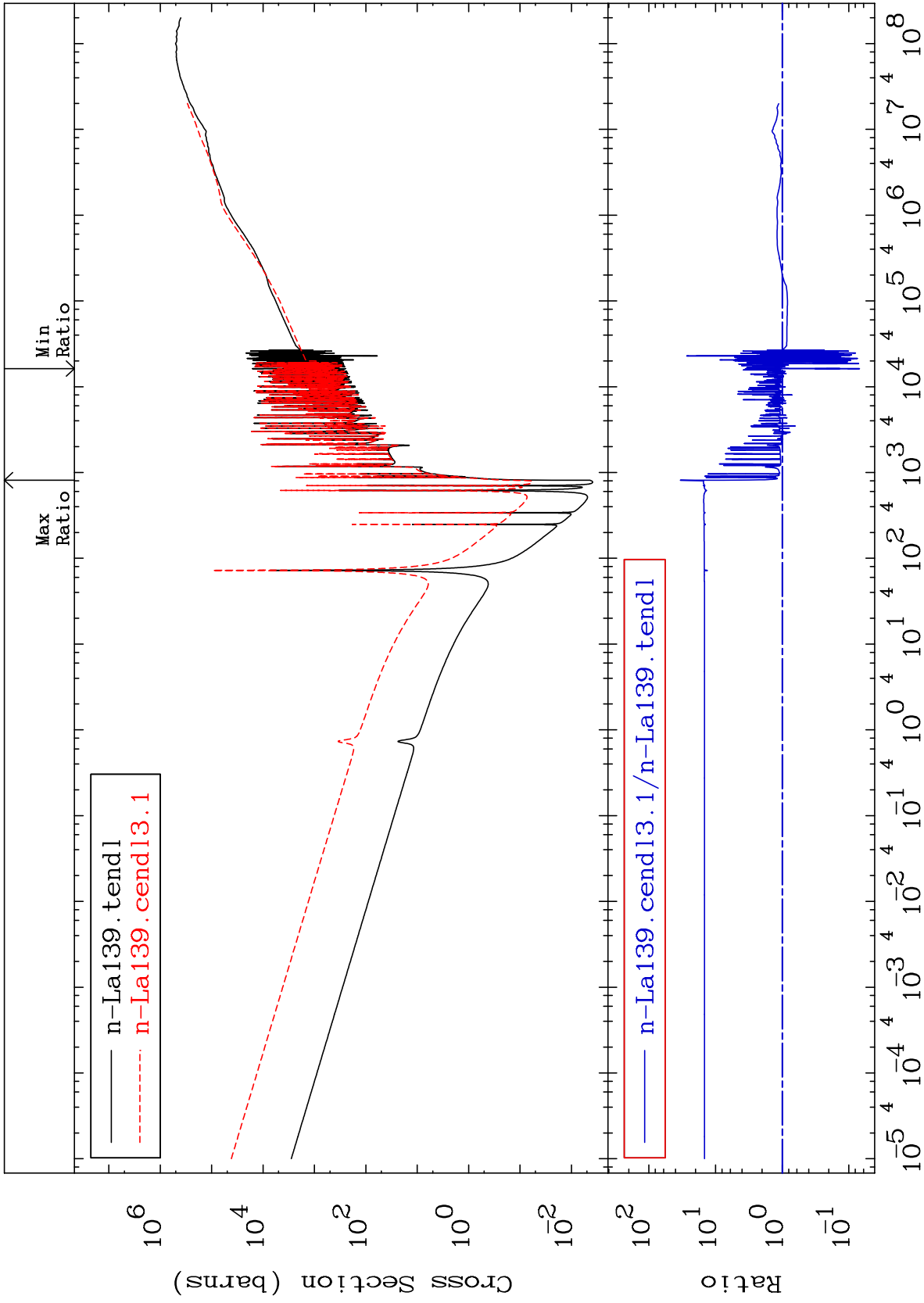
MAT 5728

Dpa total (eV-barns)

57-La-139

-93.07 To 3274. %

Cross Section



39

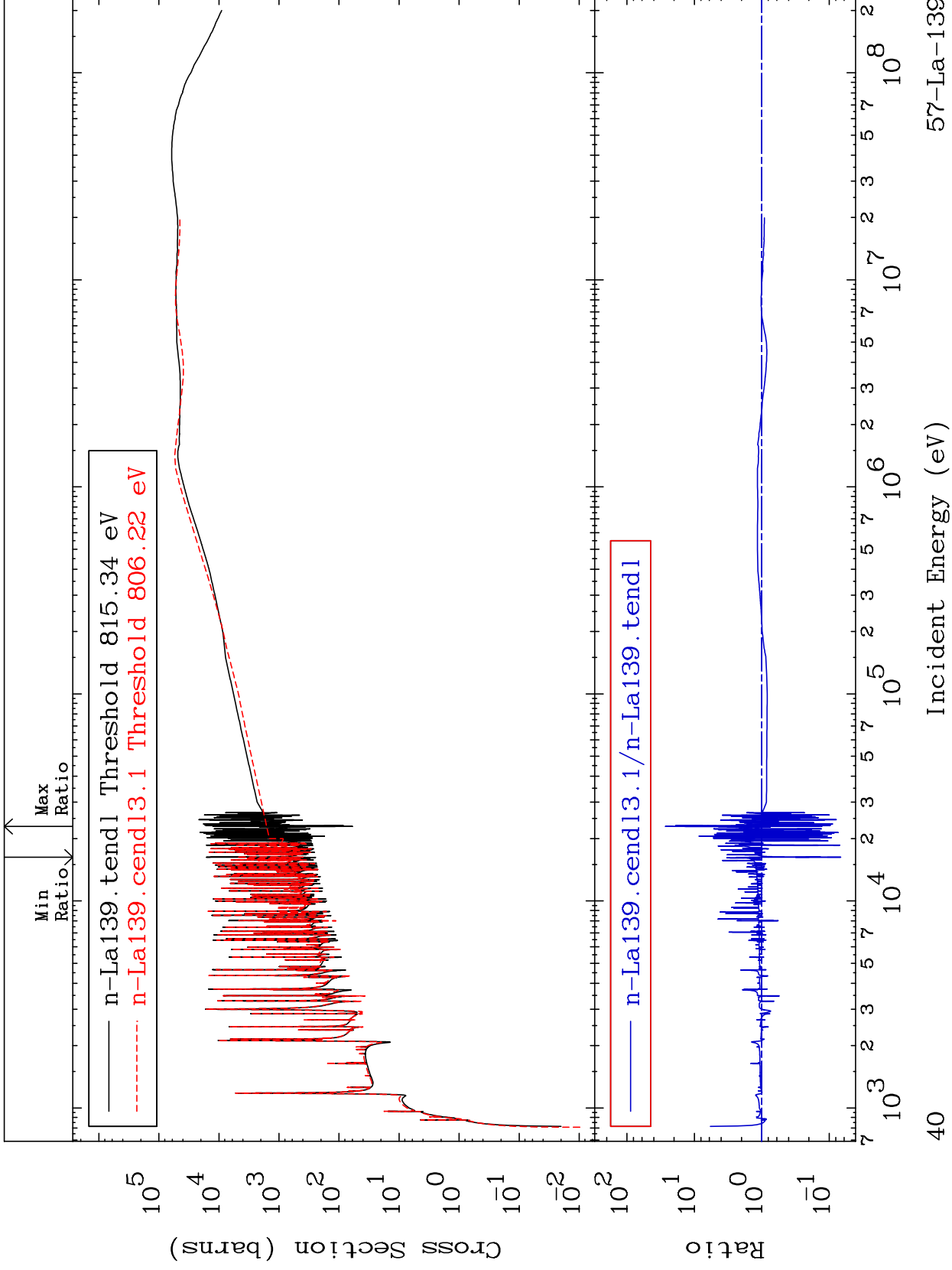
Incident Energy (eV)

57-La-139

MAT 5728

Dpa elastic (mt2)
Cross Section

57-La-139
-93.24 To 2581. %



40

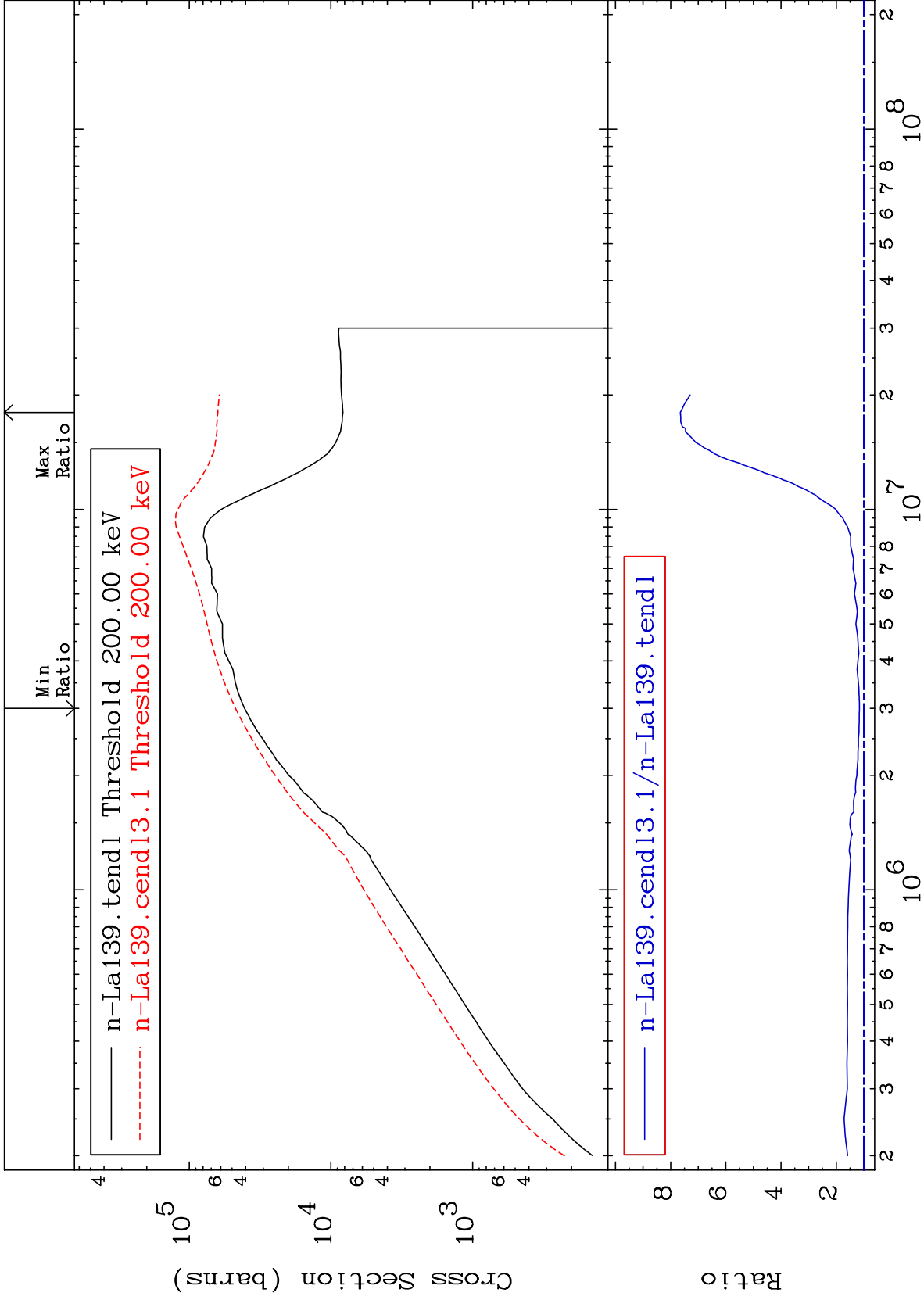
Incident Energy (eV)

57-La-139

MAT 5728

Dpa inelastic (mt51-91)
Cross Section

57-La-139
15.75 To 664.8 %



41

Incident Energy (eV)

57-La-139

MAT 5728

Dpa disappearance (mt102 -120)
Cross Section

57-La-139
-99.86 To 9999. %

