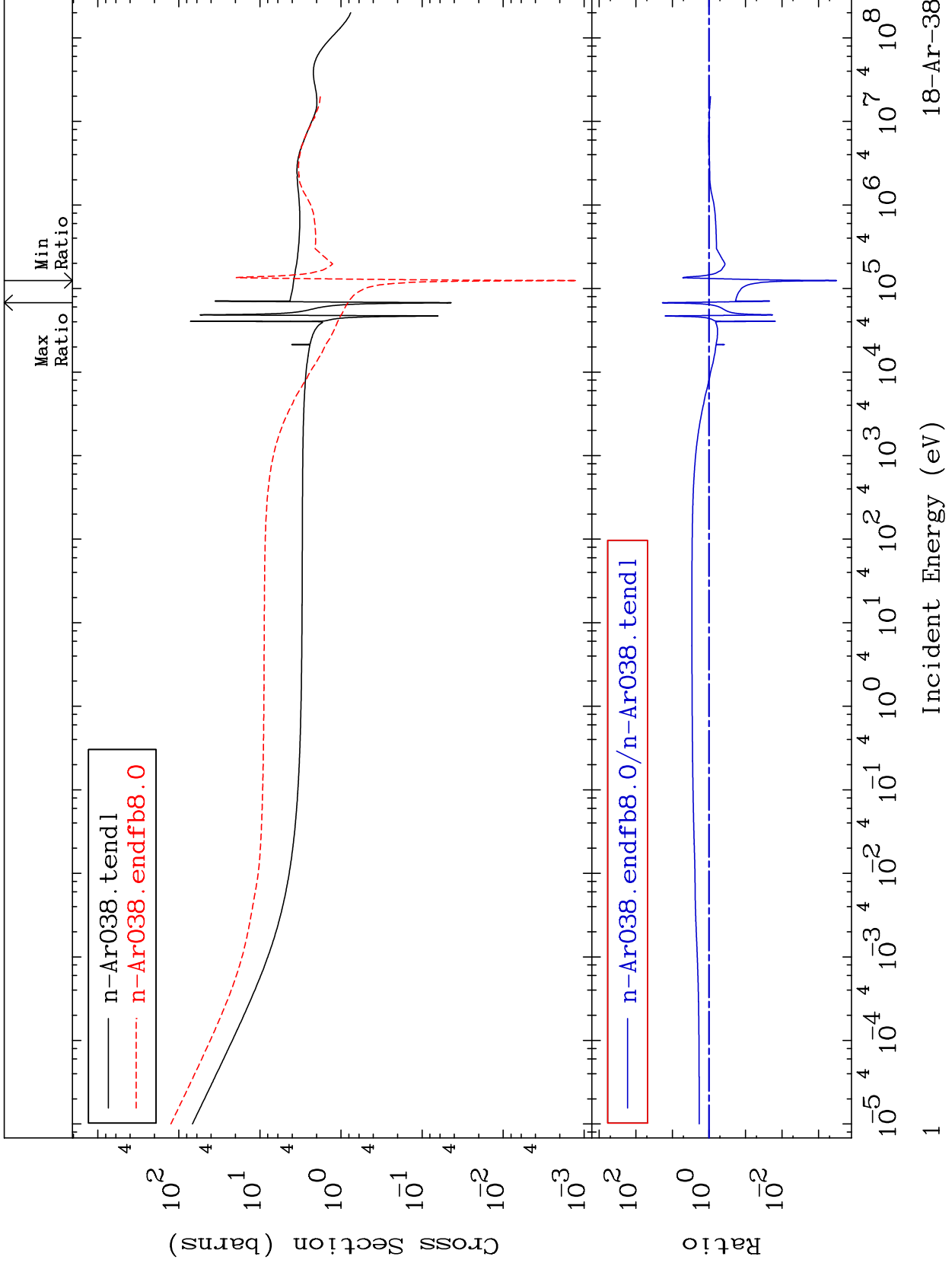


MAT 1831

Total
Cross Section

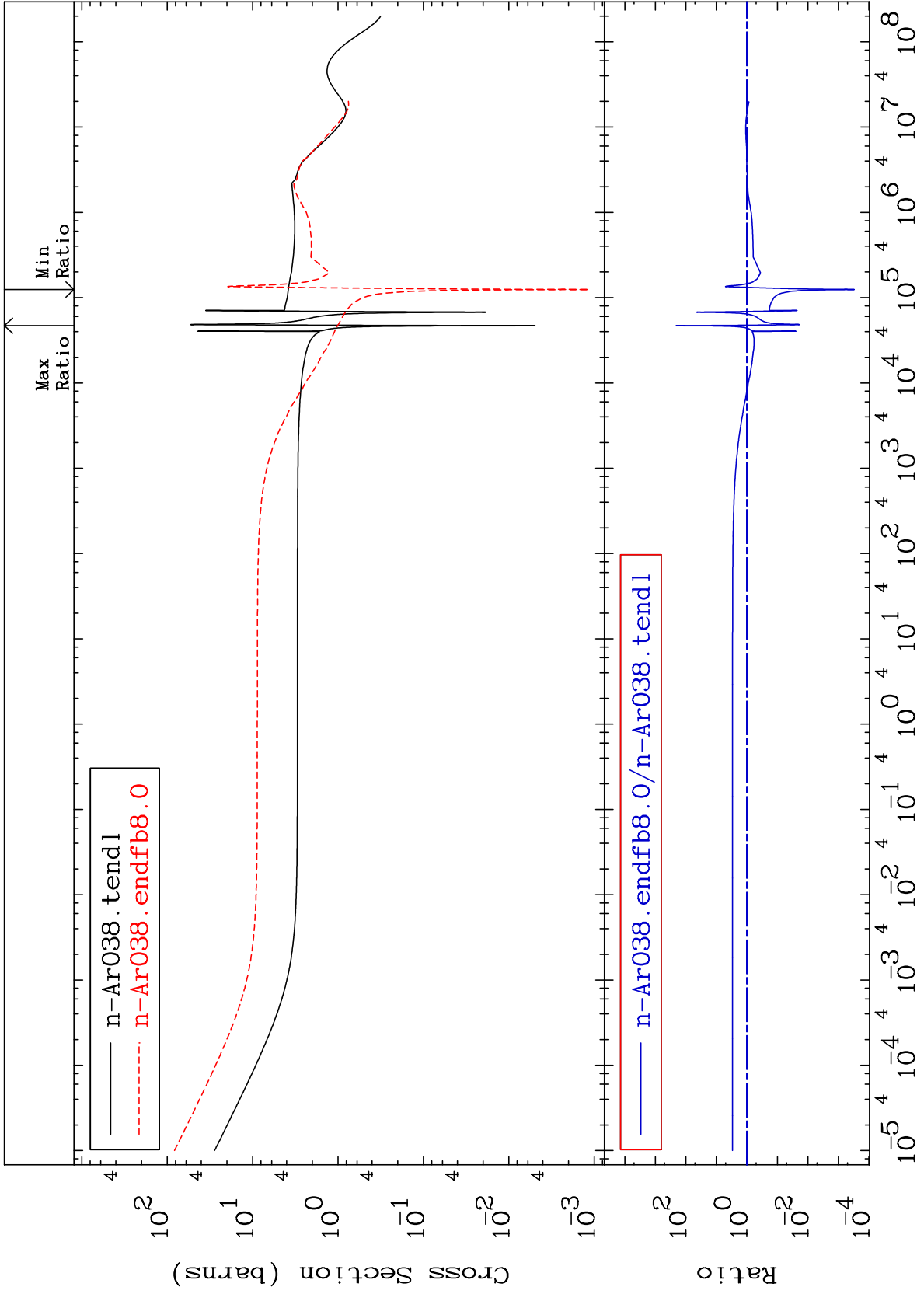
18-Ar-38
-99.97 To 1781. %



MAT 1831

Elastic
Cross Section

18-Ar-38
-99.97 To 9999. %



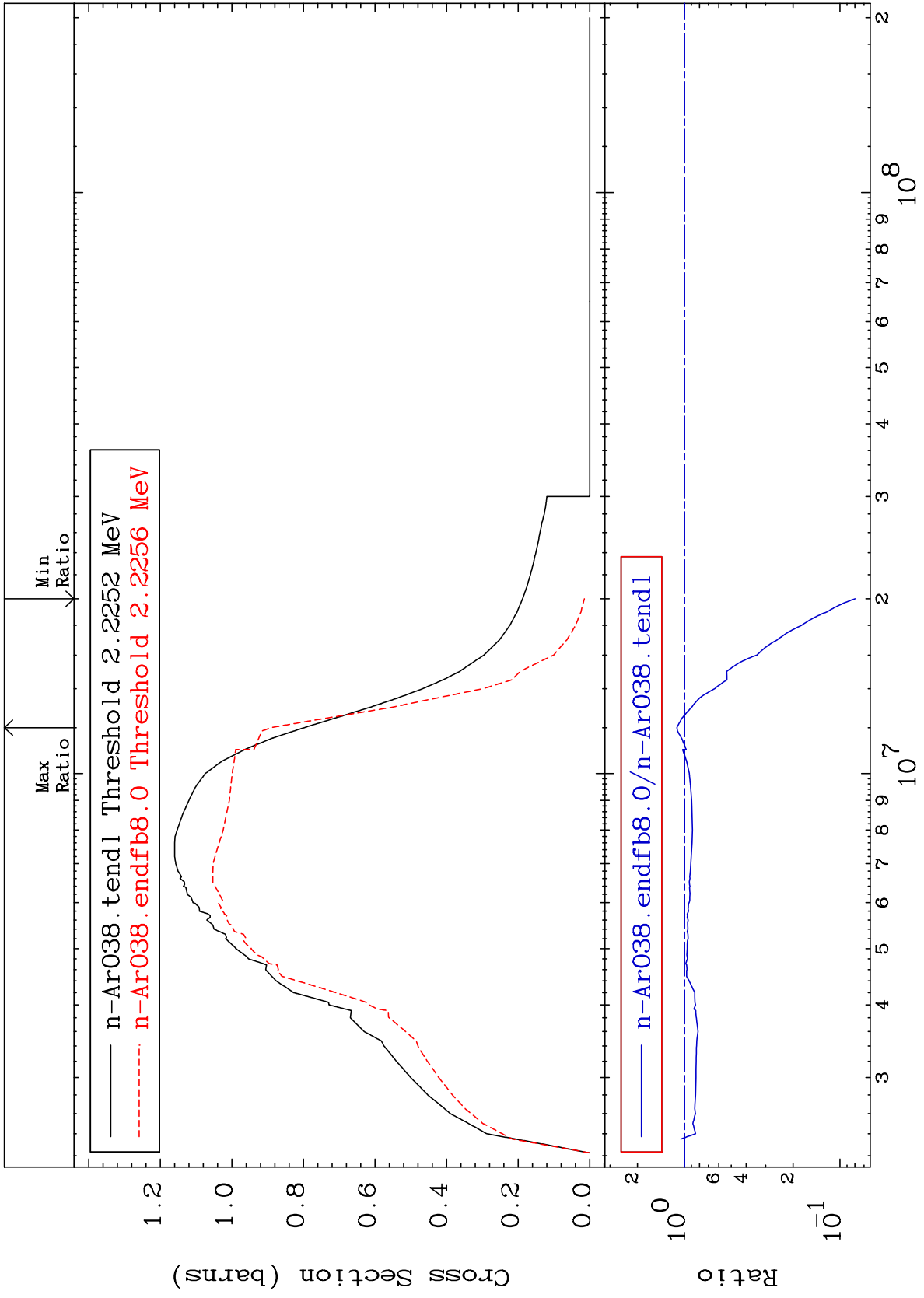
Incident Energy (eV)

18-Ar-38

MAT 1831

Inelastic
Cross Section

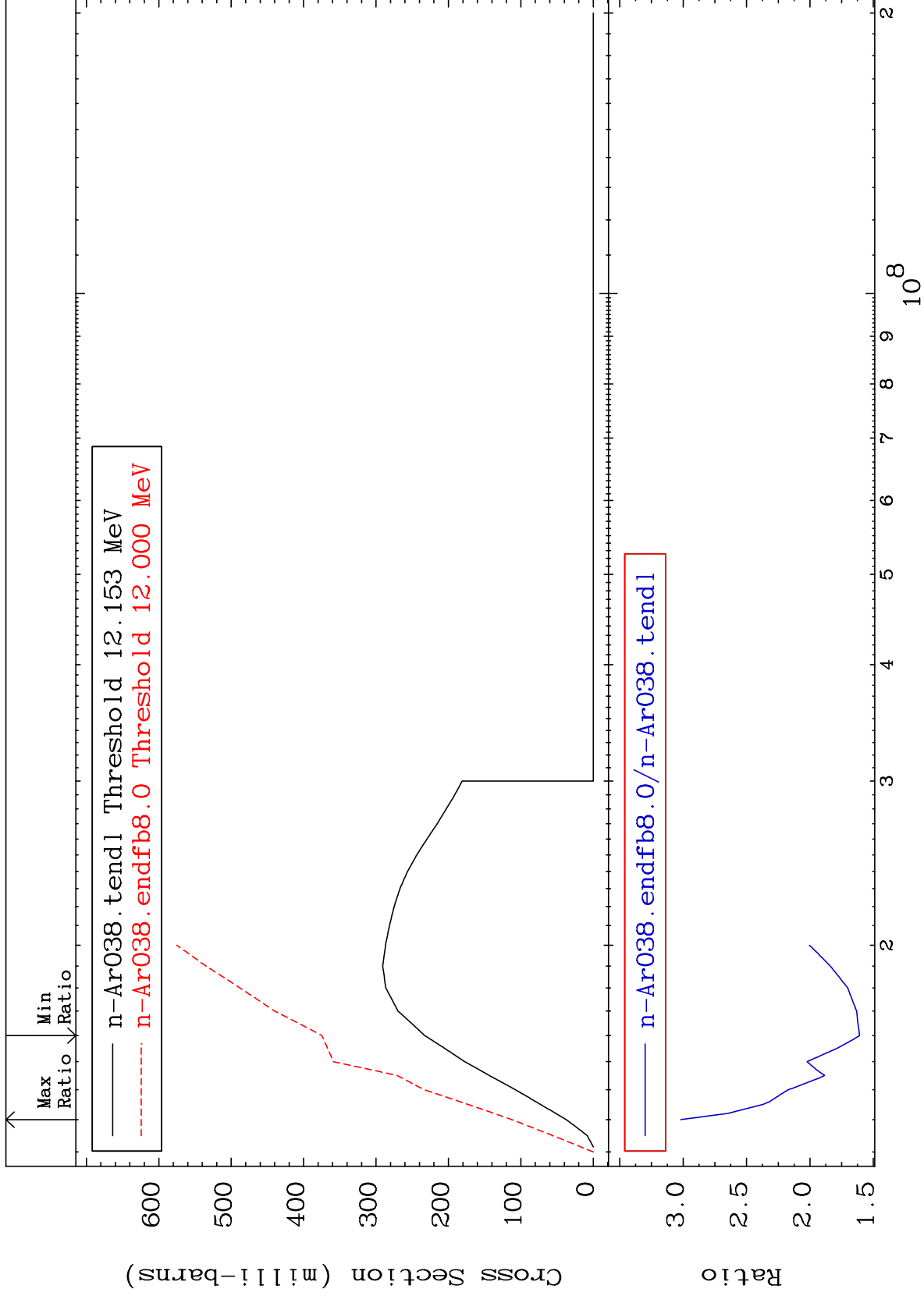
18-Ar-38
-92.02 To 11.65 %



MAT 1831

(n,2n)
Cross Section

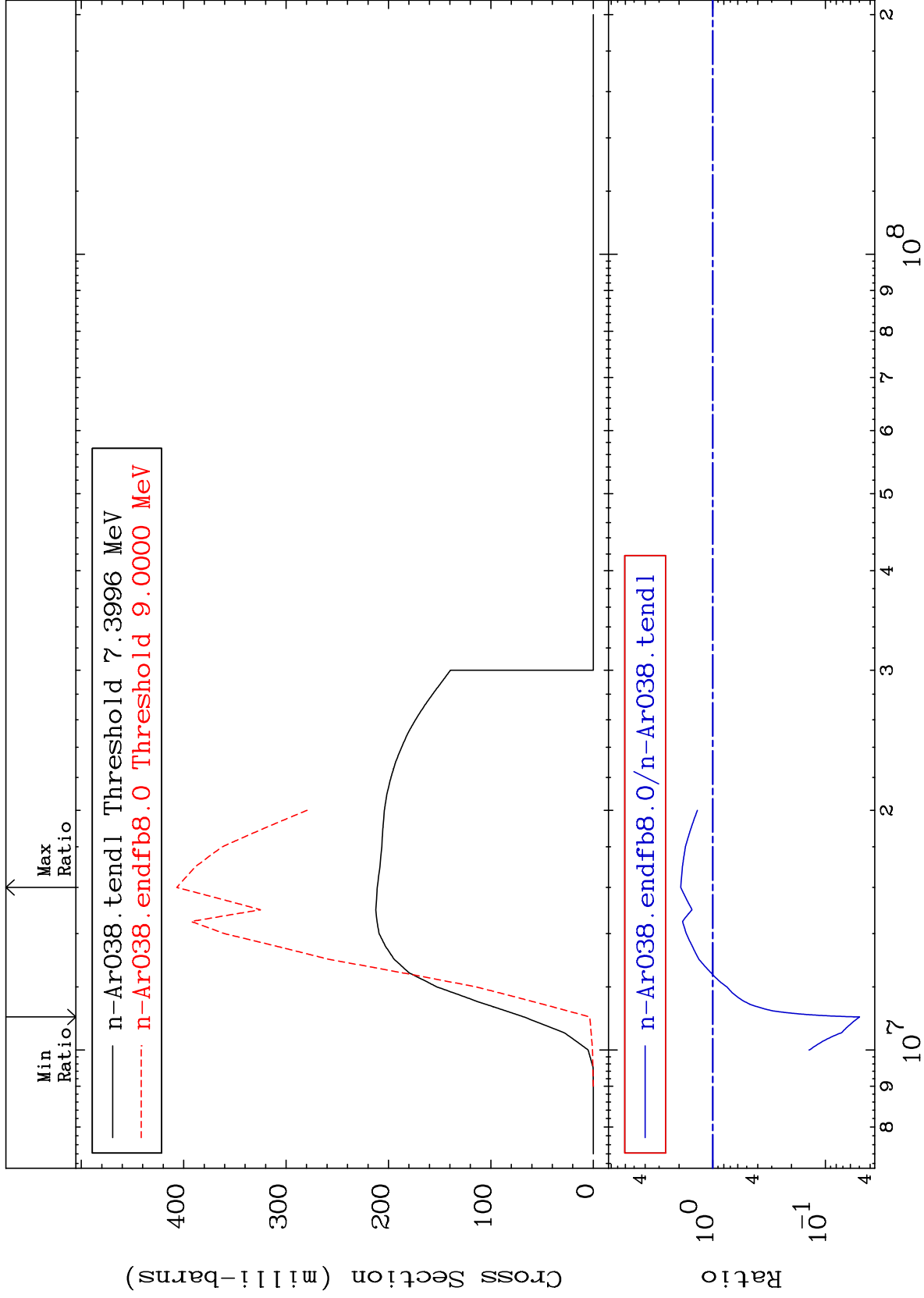
18-Ar-38
60.91 To 201.9 %



MAT 1831

(n,n') α
Cross Section

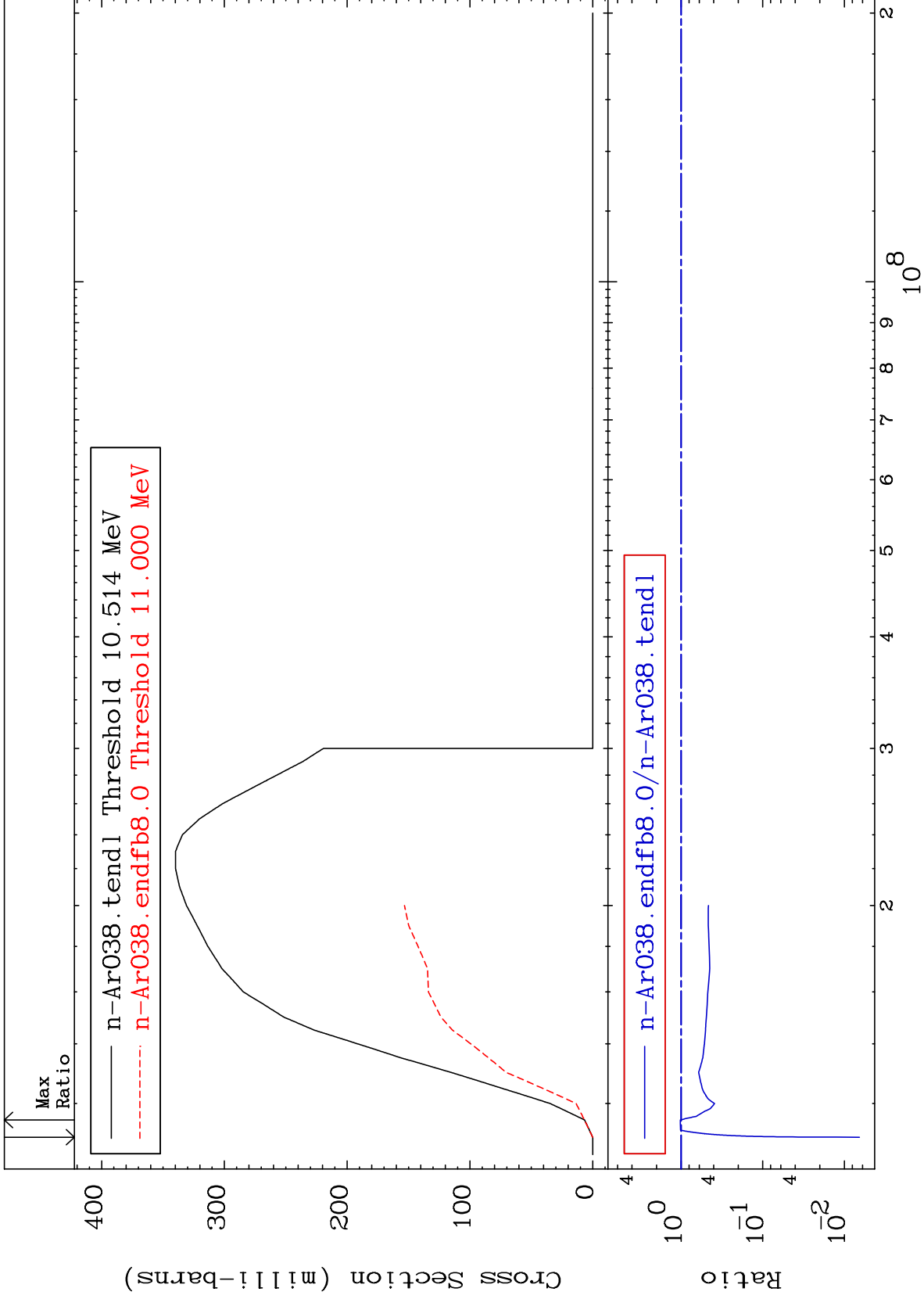
18-Ar-38
-95.03 To 92.80 %



5

18-Ar-38

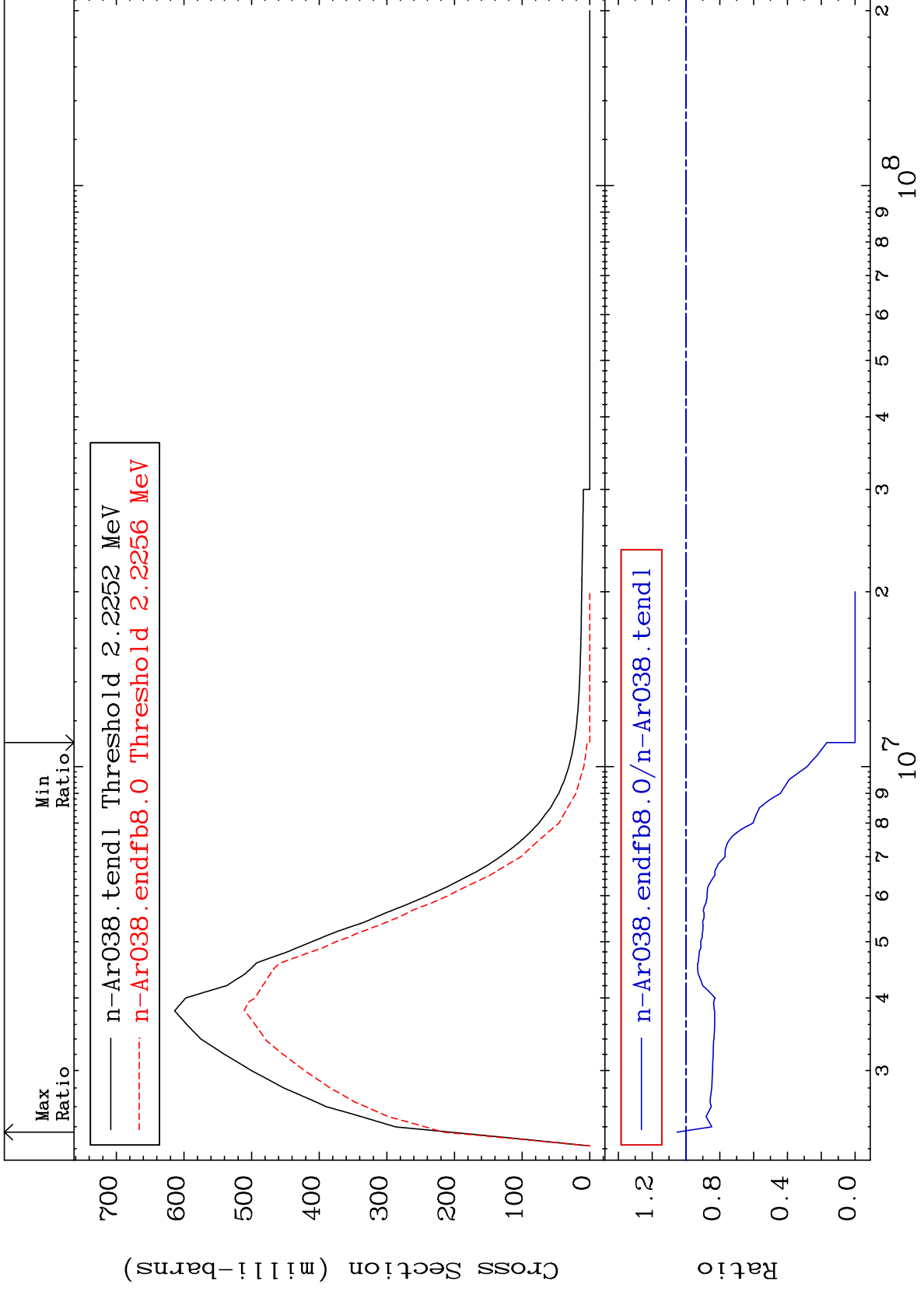
18-Ar-38



MAT 1831

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

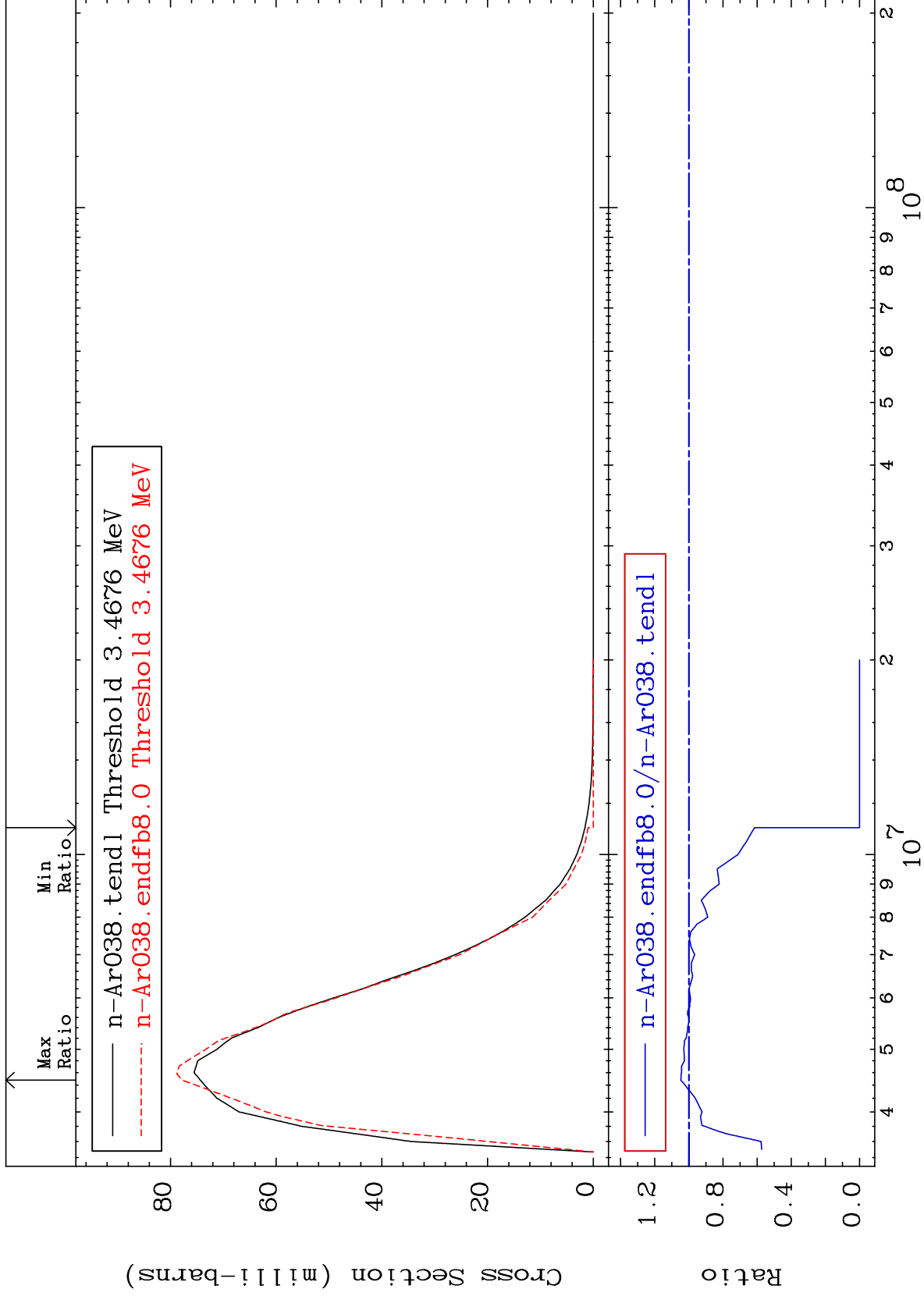
18-Ar-38
-100.0 To 5.362 %



MAT 1831

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

18-Ar-38
-100.0 To 4.732 %



8

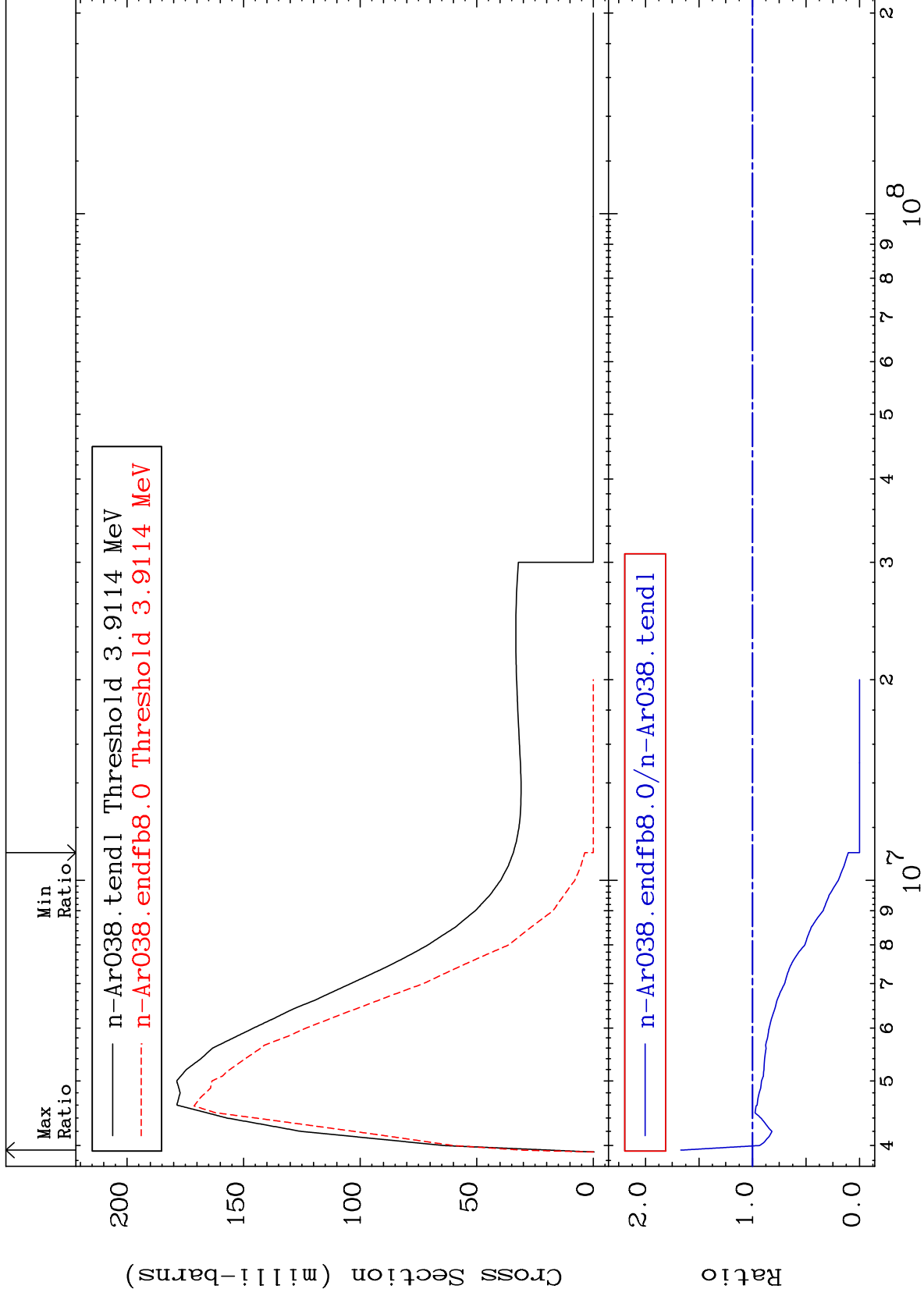
18-Ar-38

18-Ar-38

MAT 1831

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

18-Ar-38
-100.0 To 67.06 %



9

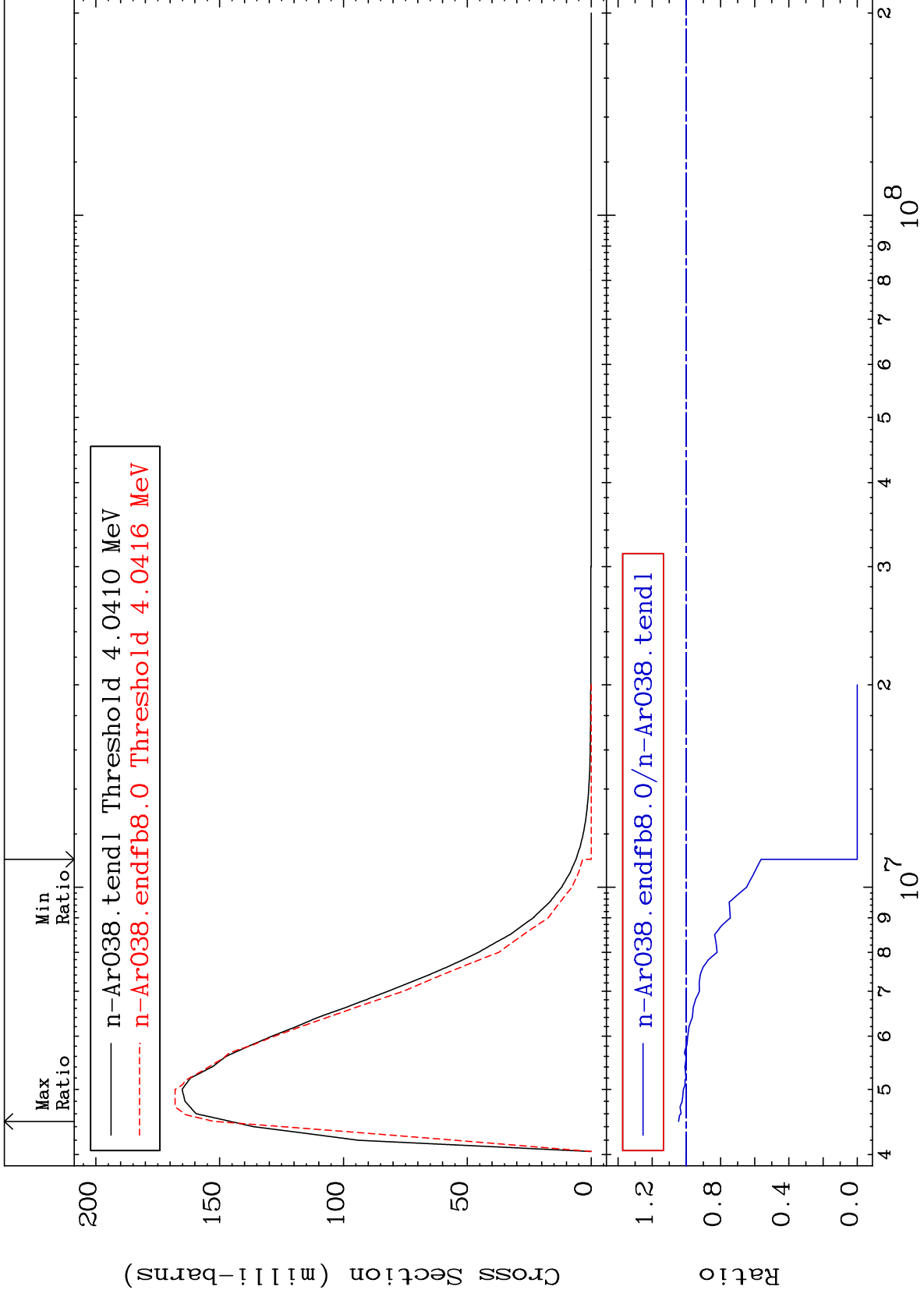
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38
-100.0 To 4.510 %



10

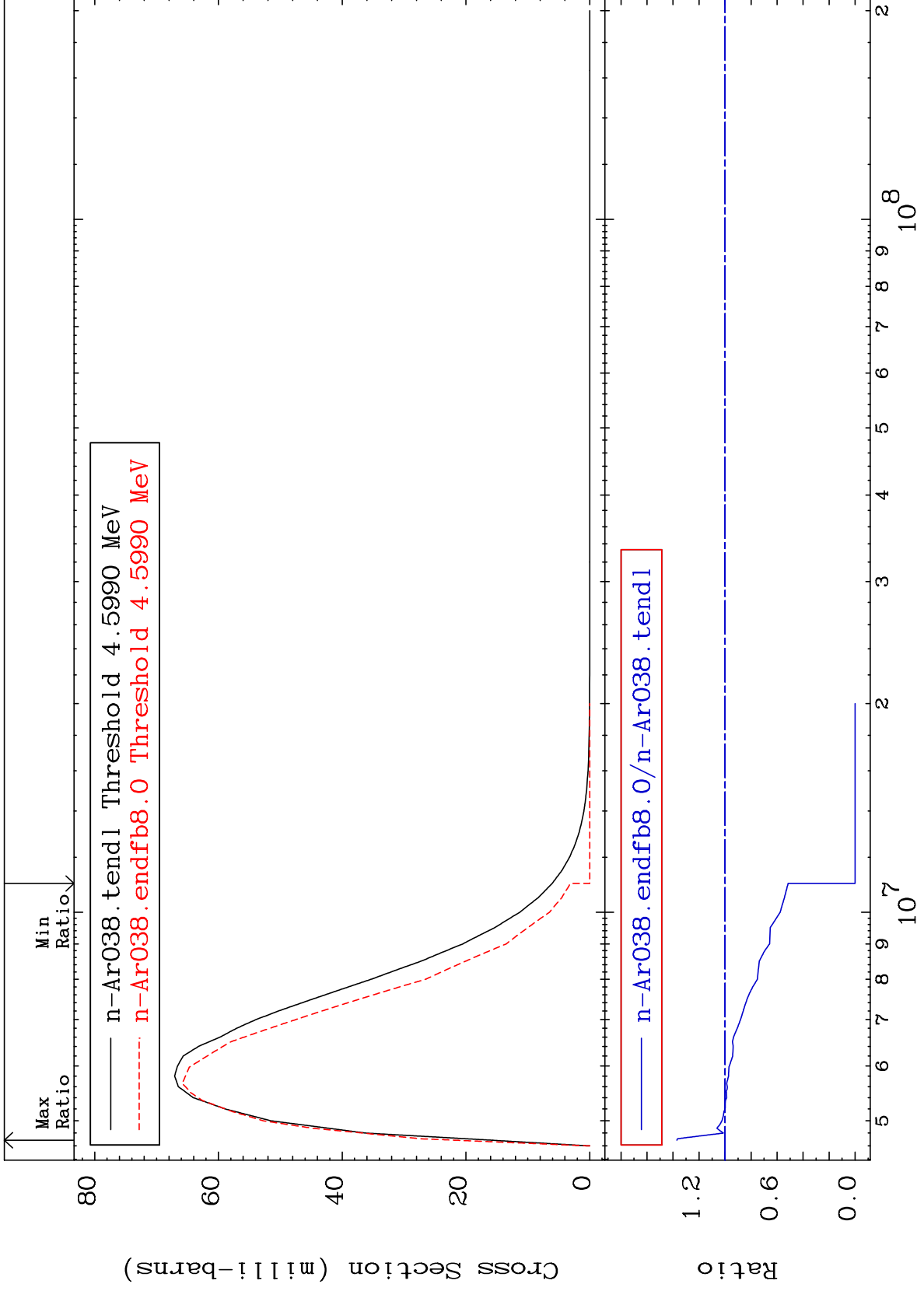
Incident Energy (eV)

18-Ar-38

MAT 1831

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

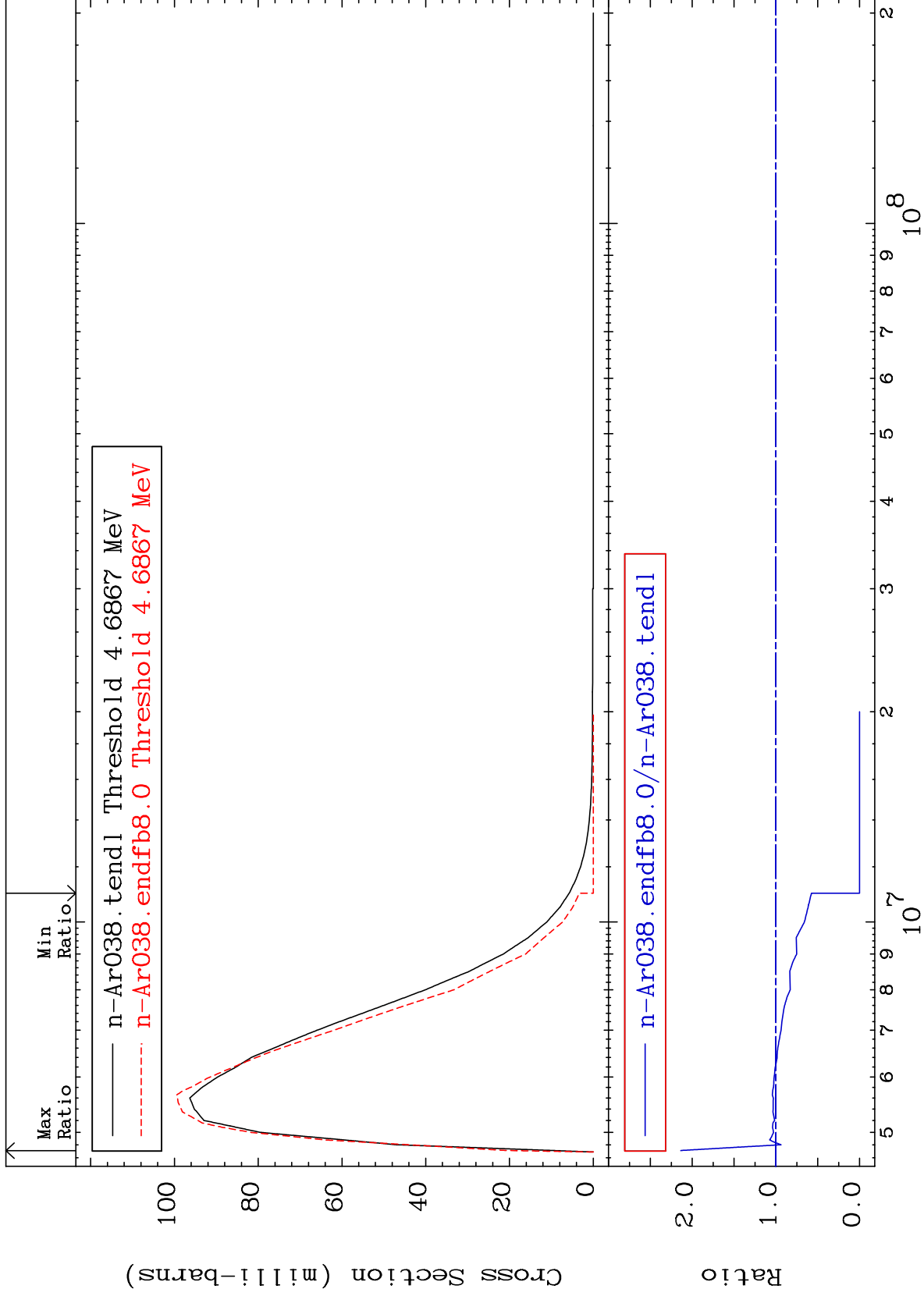
18-Ar-38
-100.0 To 37.01 %



MAT 1831

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

18-Ar-38
-100.0 To 113.7 %



12

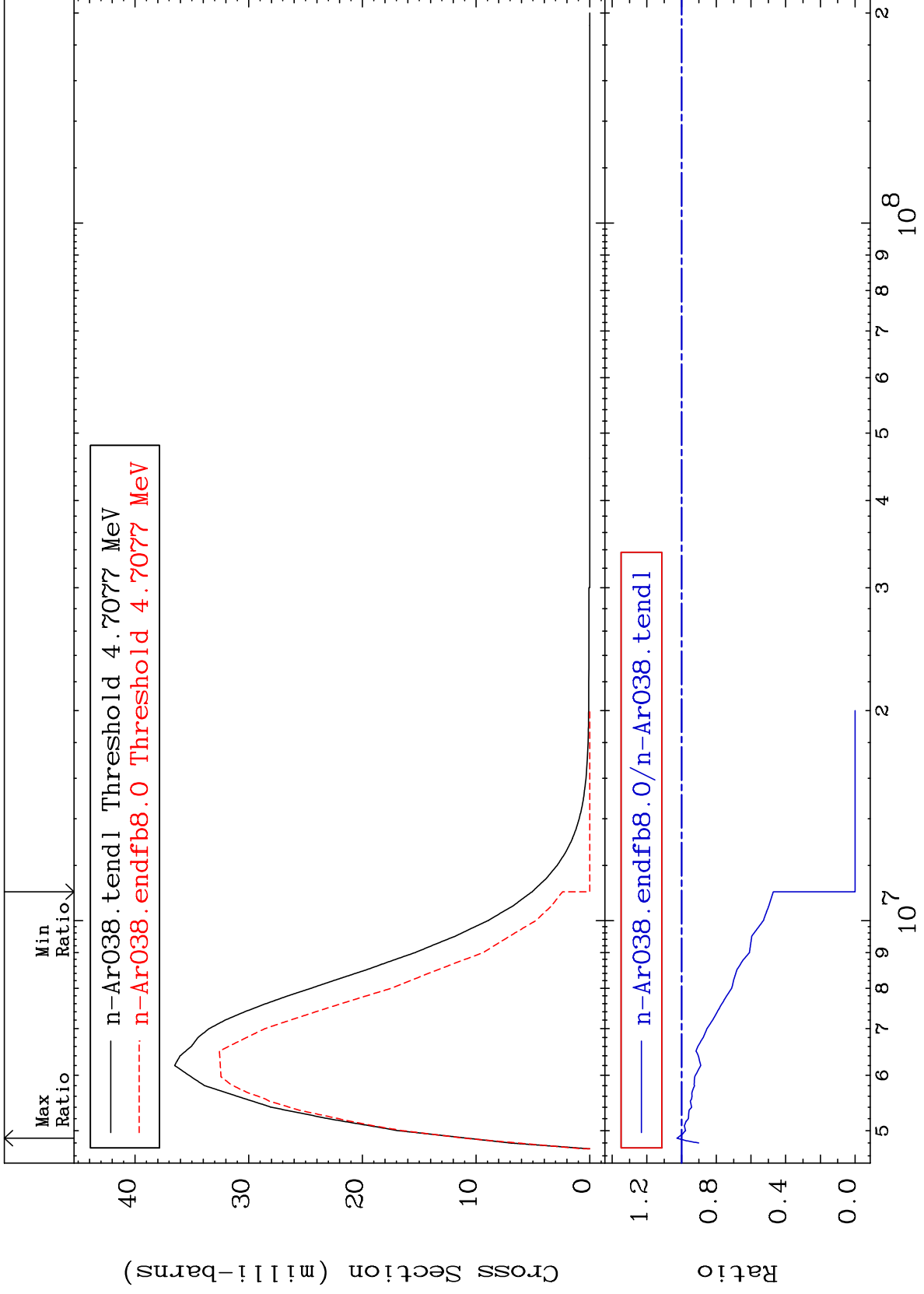
18-Ar-38

18-Ar-38

MAT 1831

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

18-Ar-38
-100.0 To 2.678 %



13

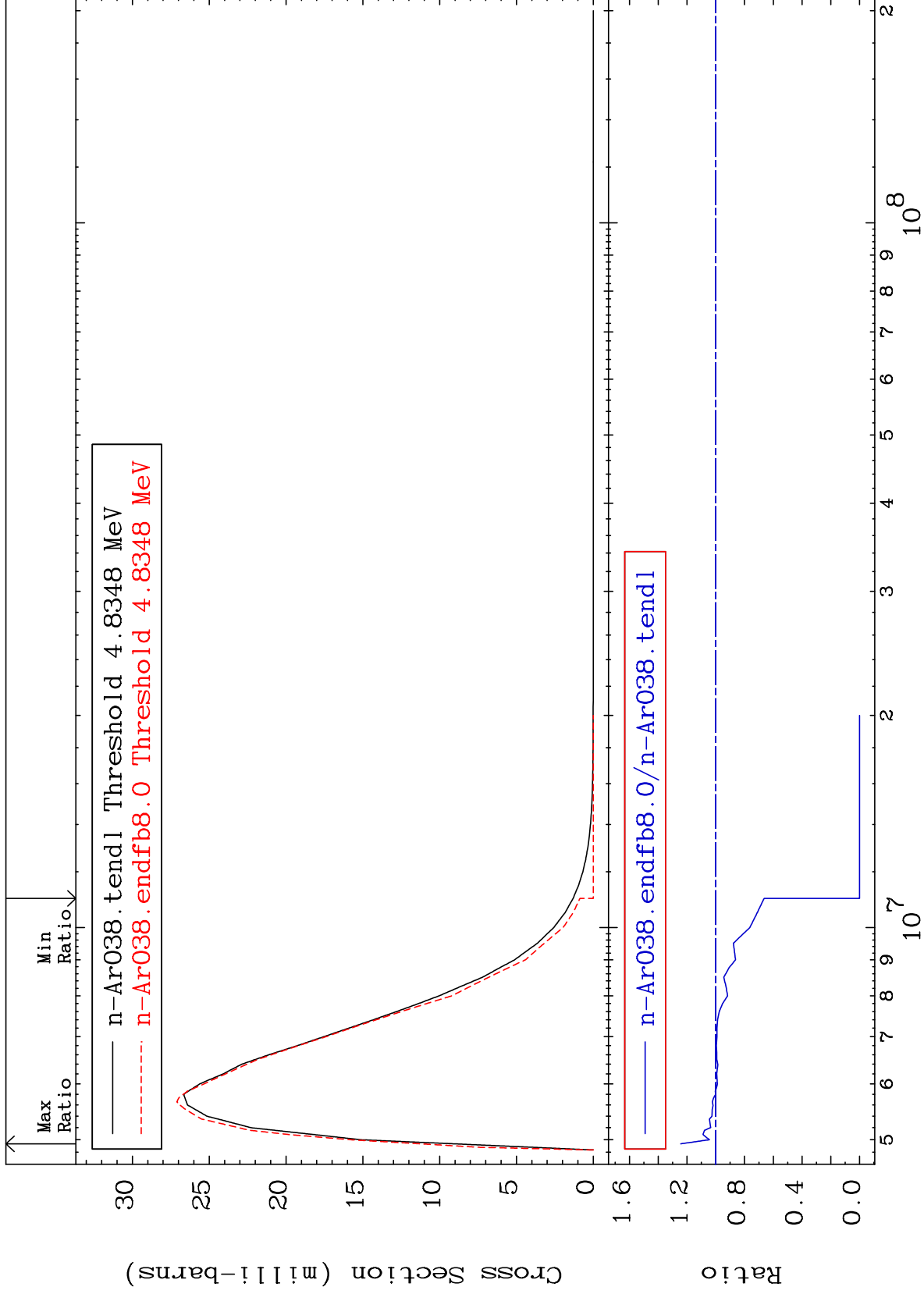
18-Ar-38

18-Ar-38

MAT 1831

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

18-Ar-38
-100.0 To 24.33 %



14

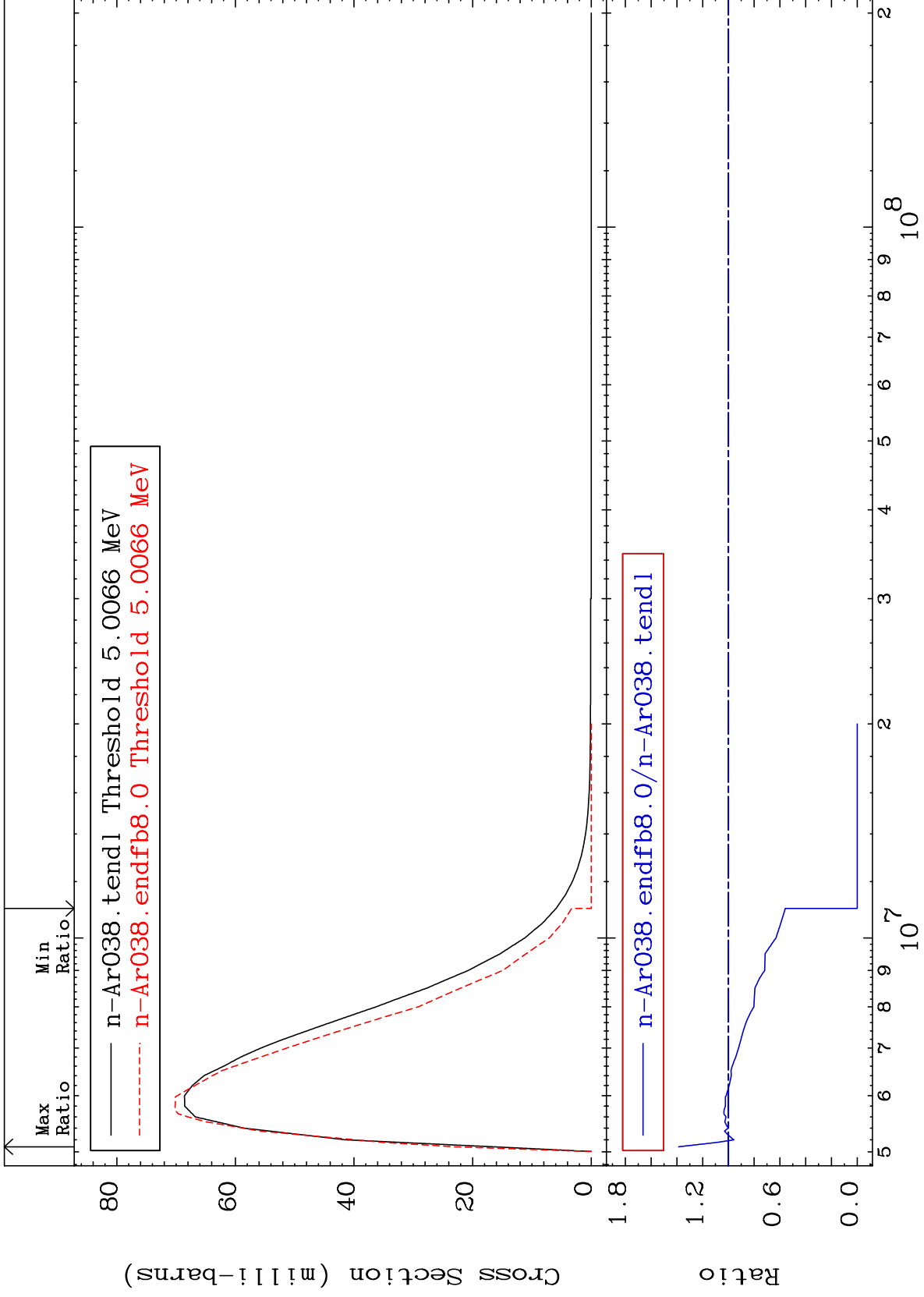
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38
-100.0 To 38.61 %



15

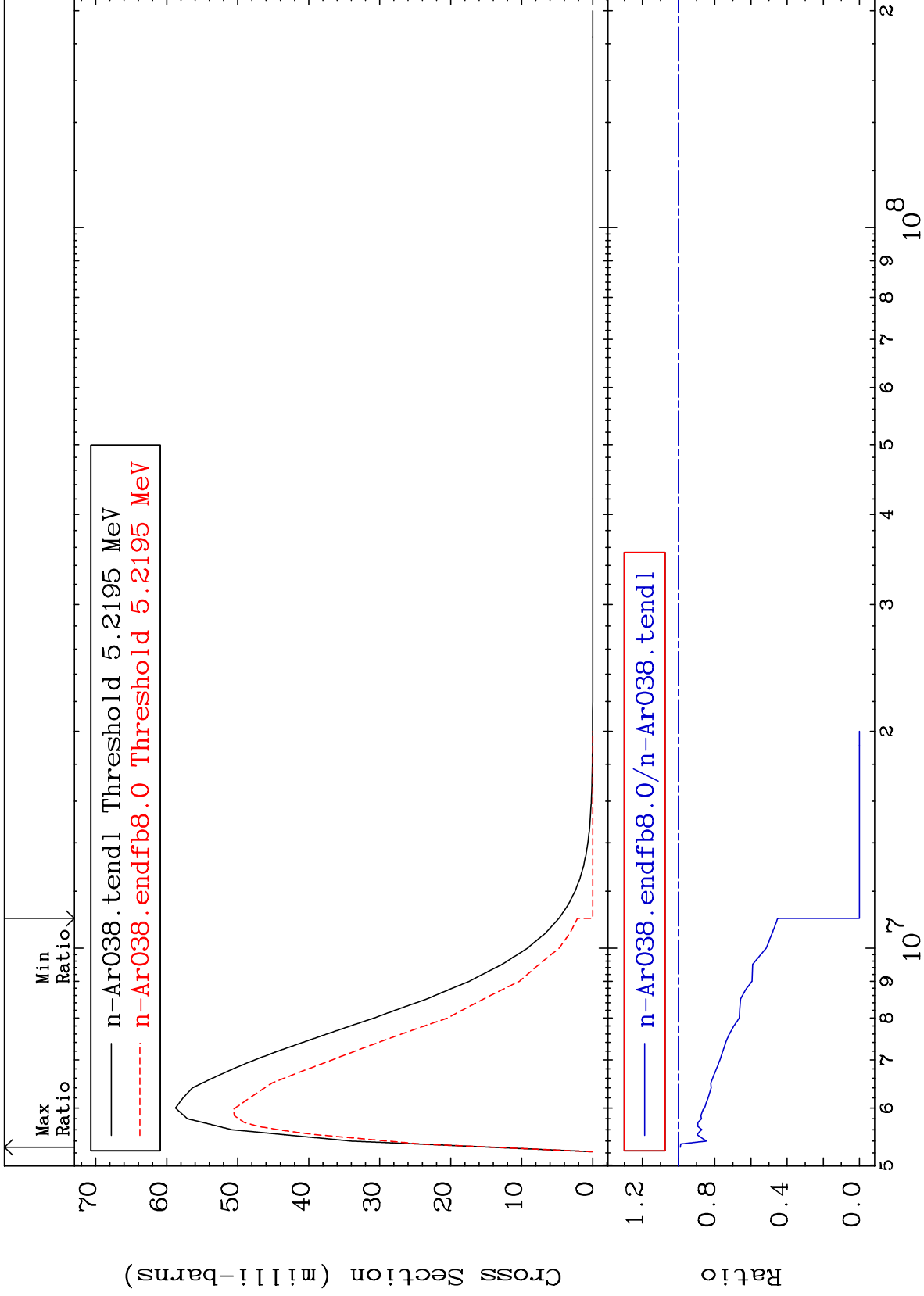
18-Ar-38

18-Ar-38

MAT 1831

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

18-Ar-38
-100.0 To -0.975%



16

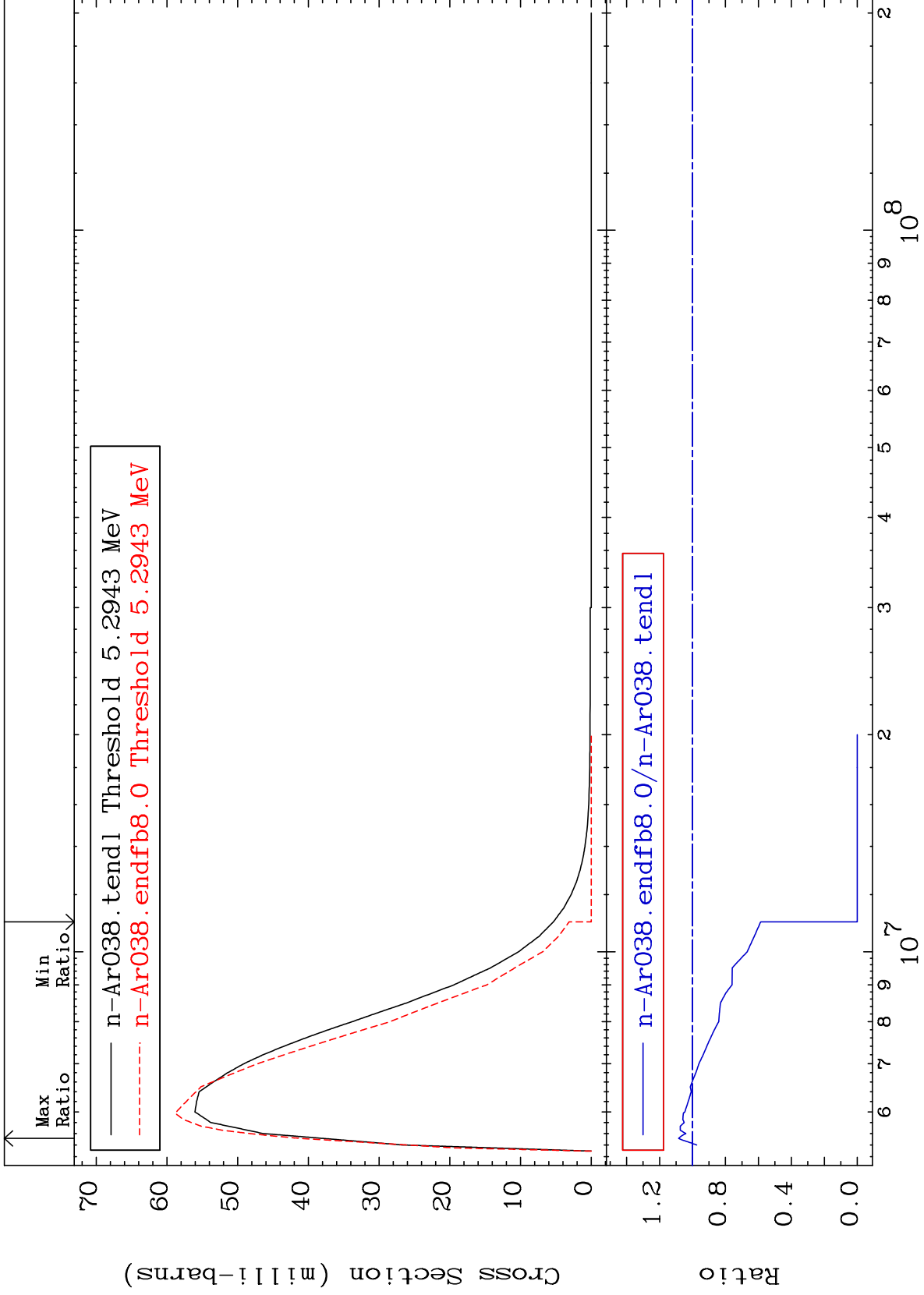
18-Ar-38

18-Ar-38

MAT 1831

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

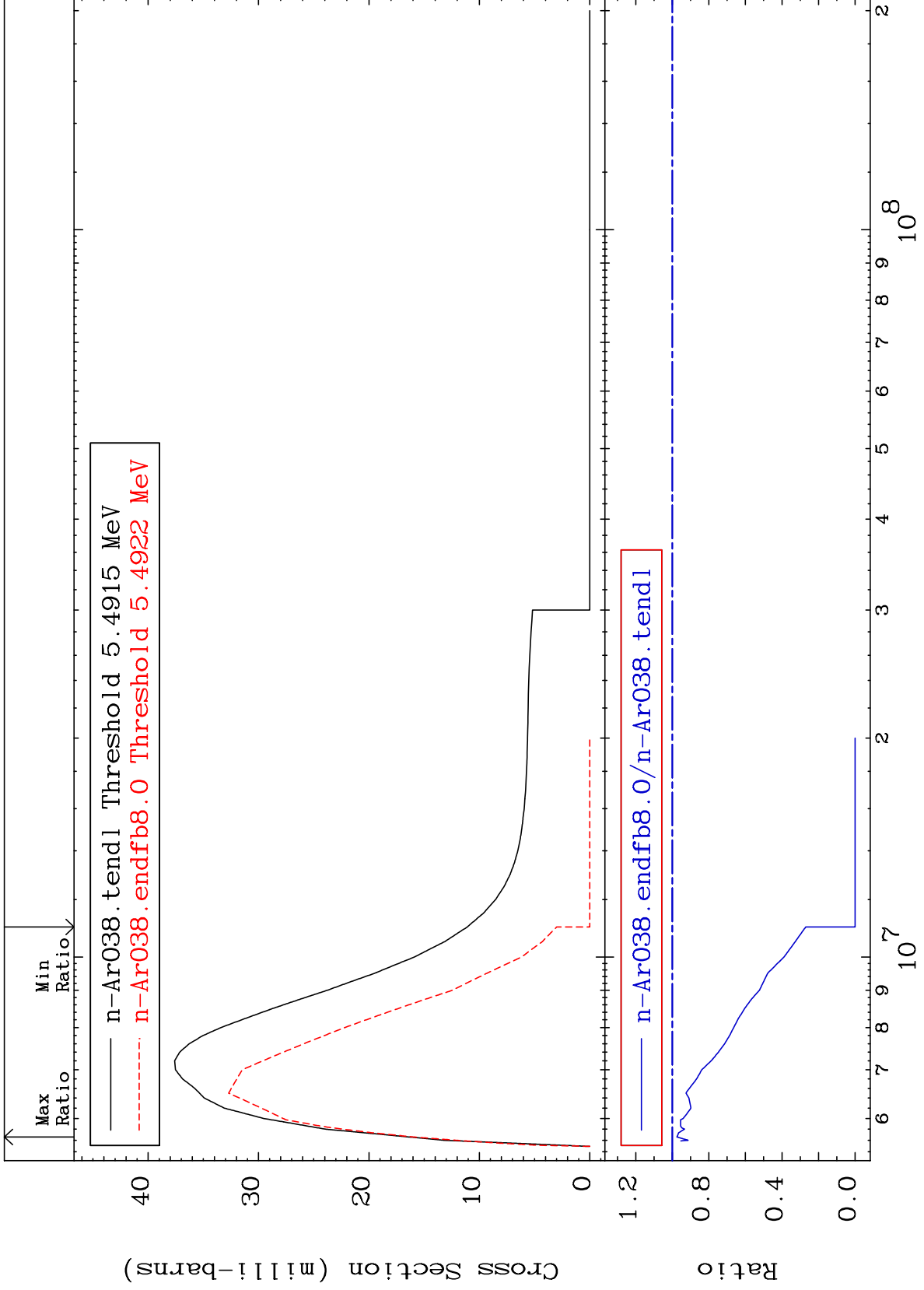
18-Ar-38
-100.0 To 8.427 %



MAT 1831

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

18-Ar-38
-100.0 To -2.536%



18

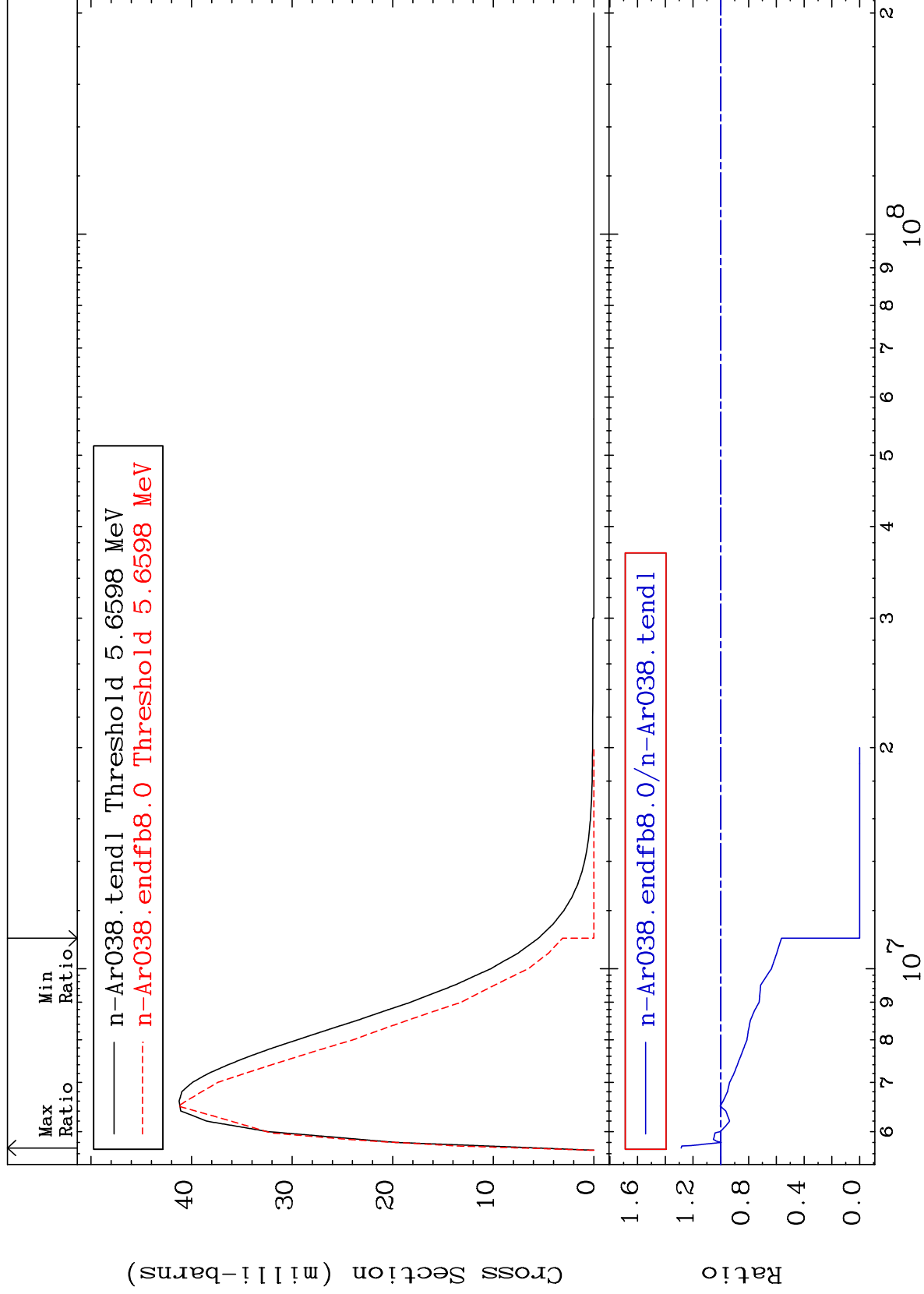
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38
-100.0 To 28.56 %



19

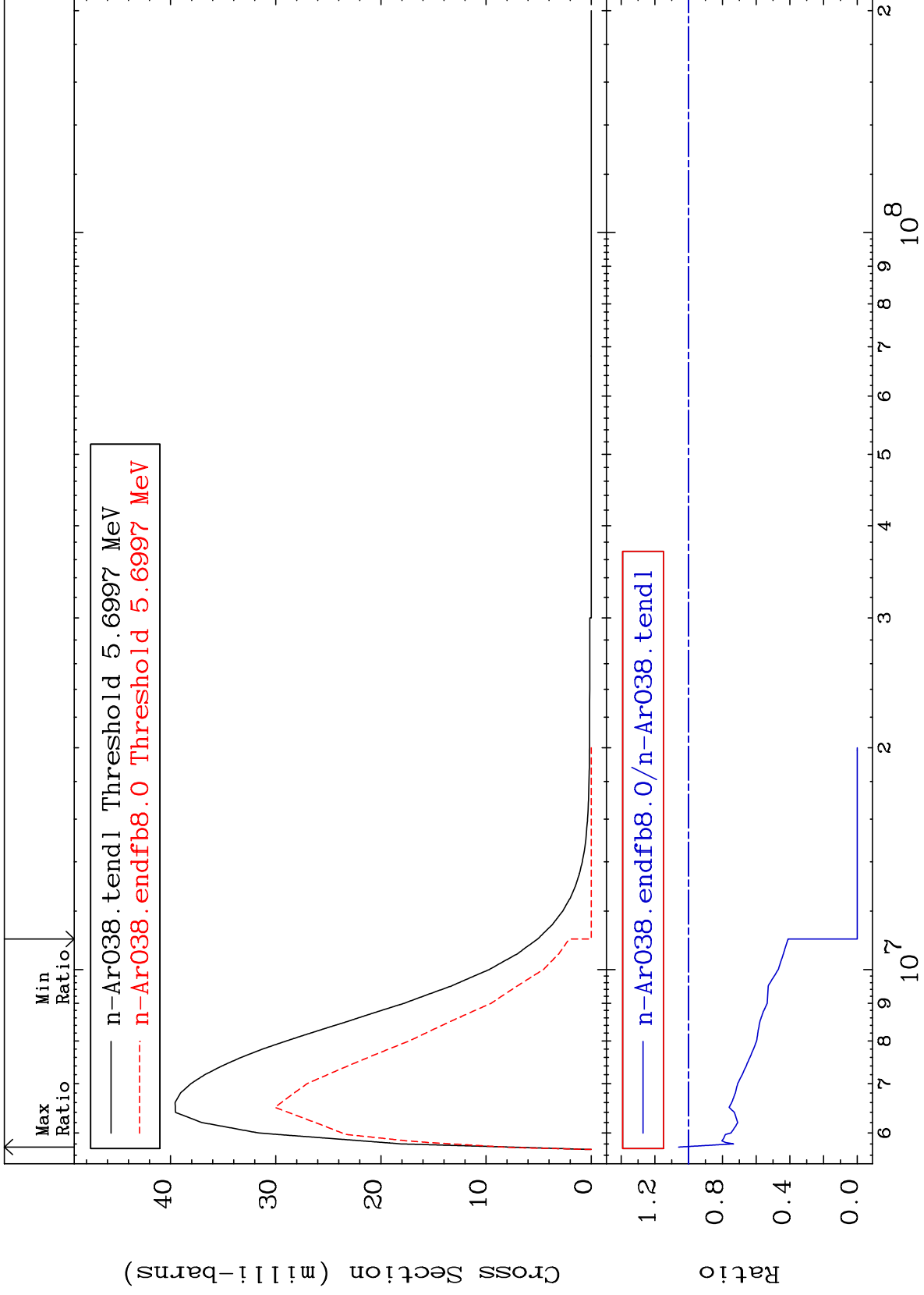
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38
-100.0 To 5.941 %



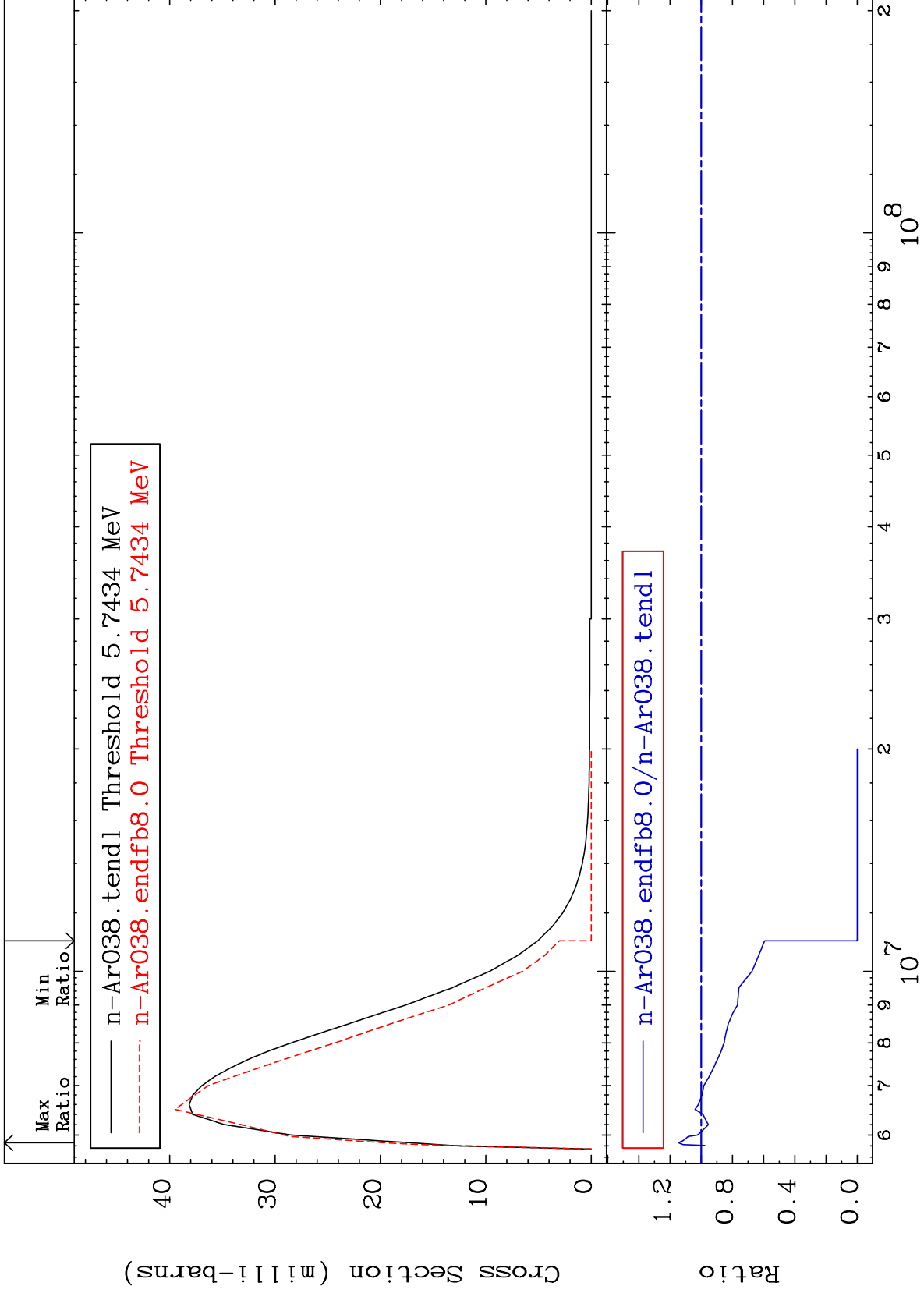
20

18-Ar-38

MAT 1831

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

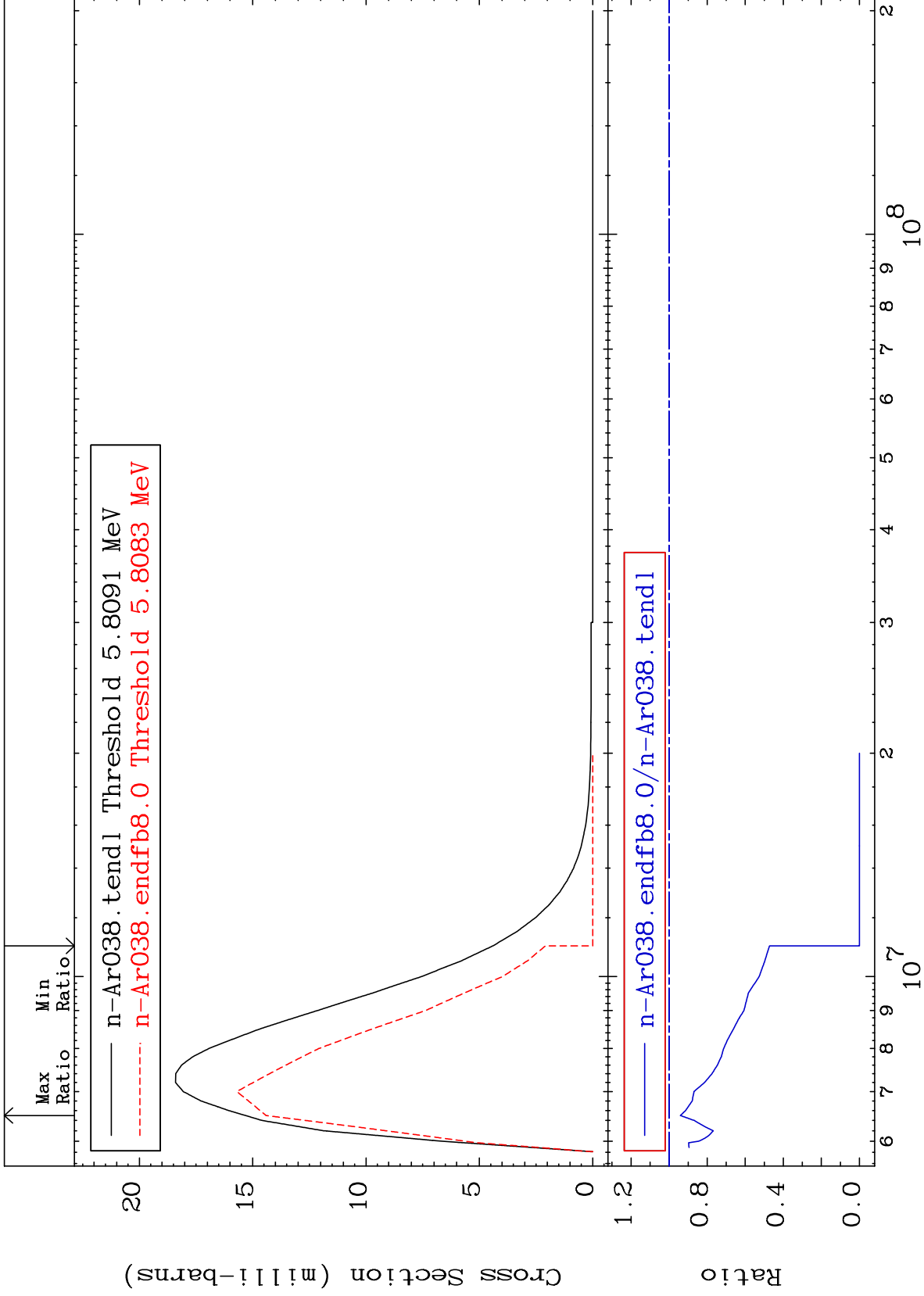
18-Ar-38
-100.0 To 14.50 %



MAT 1831

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

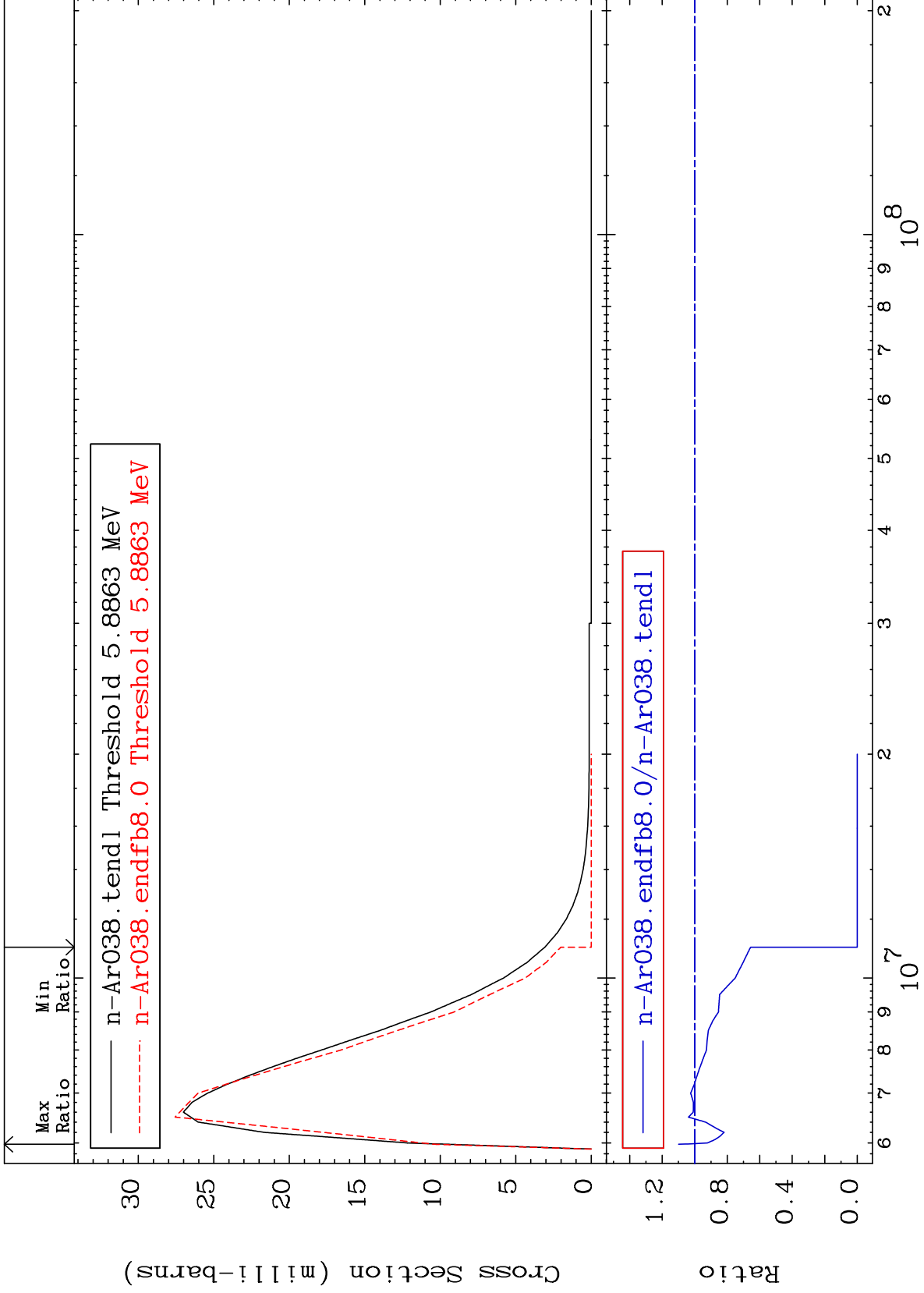
18-Ar-38
-100.0 To -5.911%



MAT 1831

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

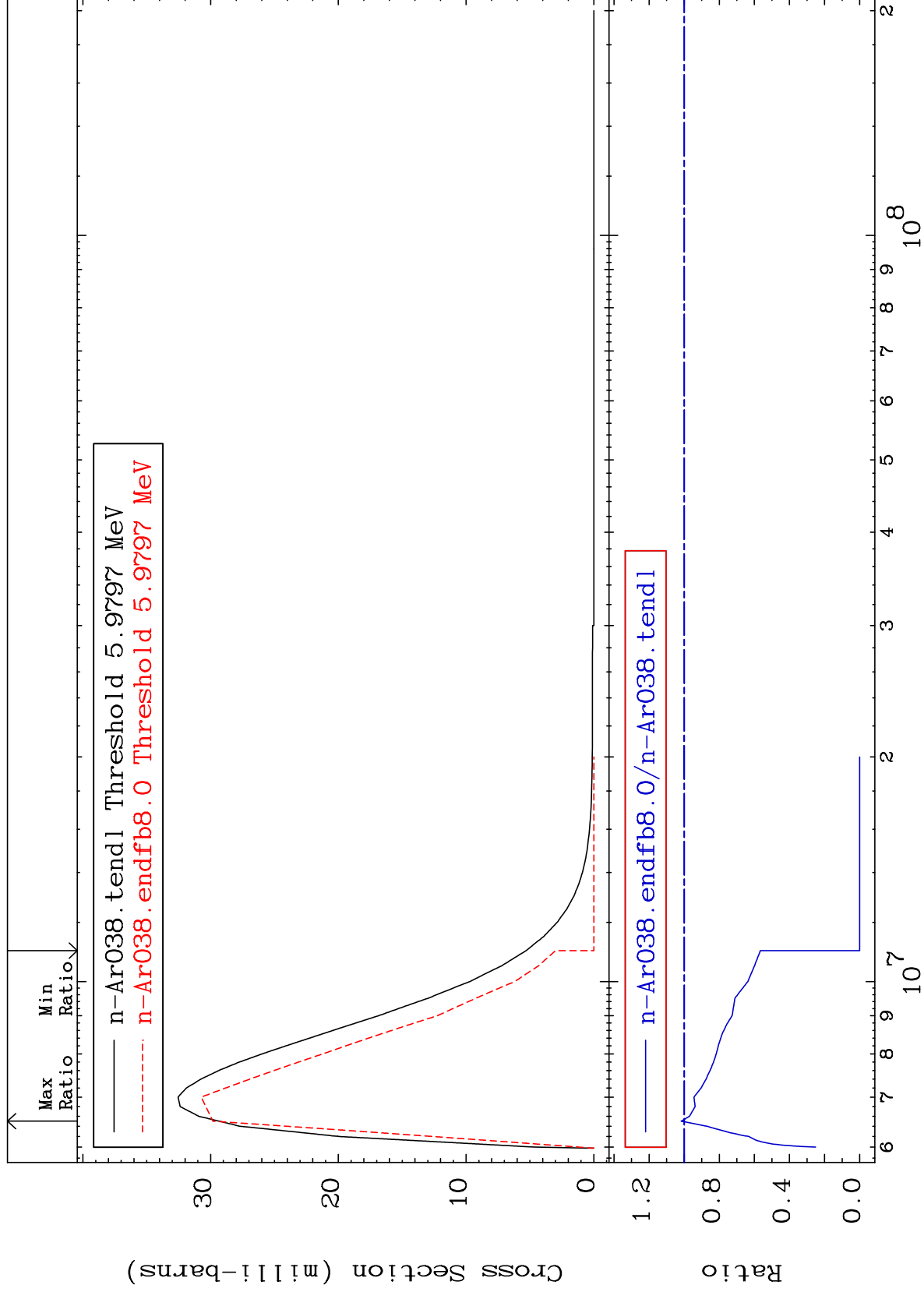
18-Ar-38
-100.0 To 9.894 %



MAT 1831

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

18-Ar-38
-100.0 To 1.712 %



24

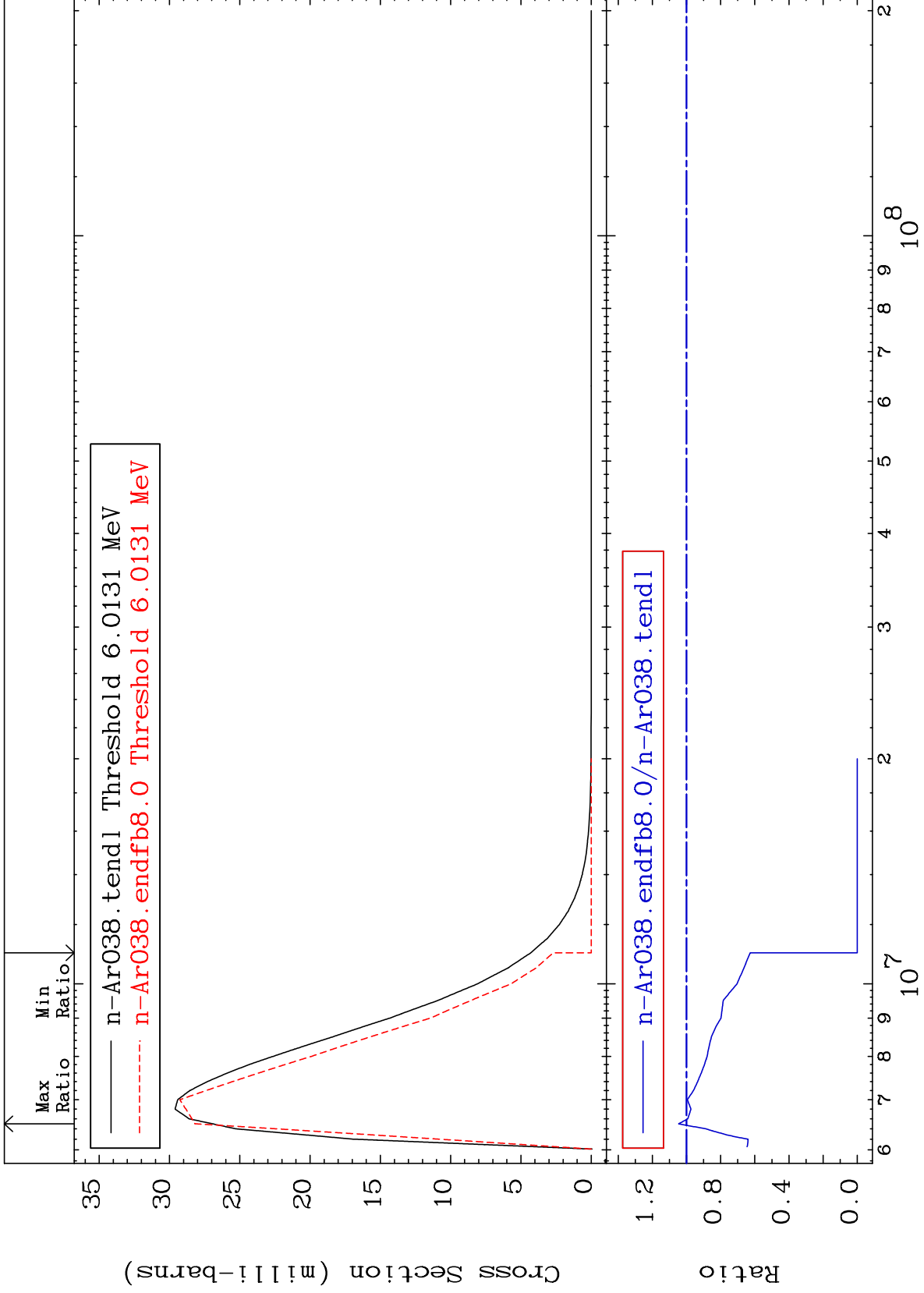
18-Ar-38

18-Ar-38

MAT 1831

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

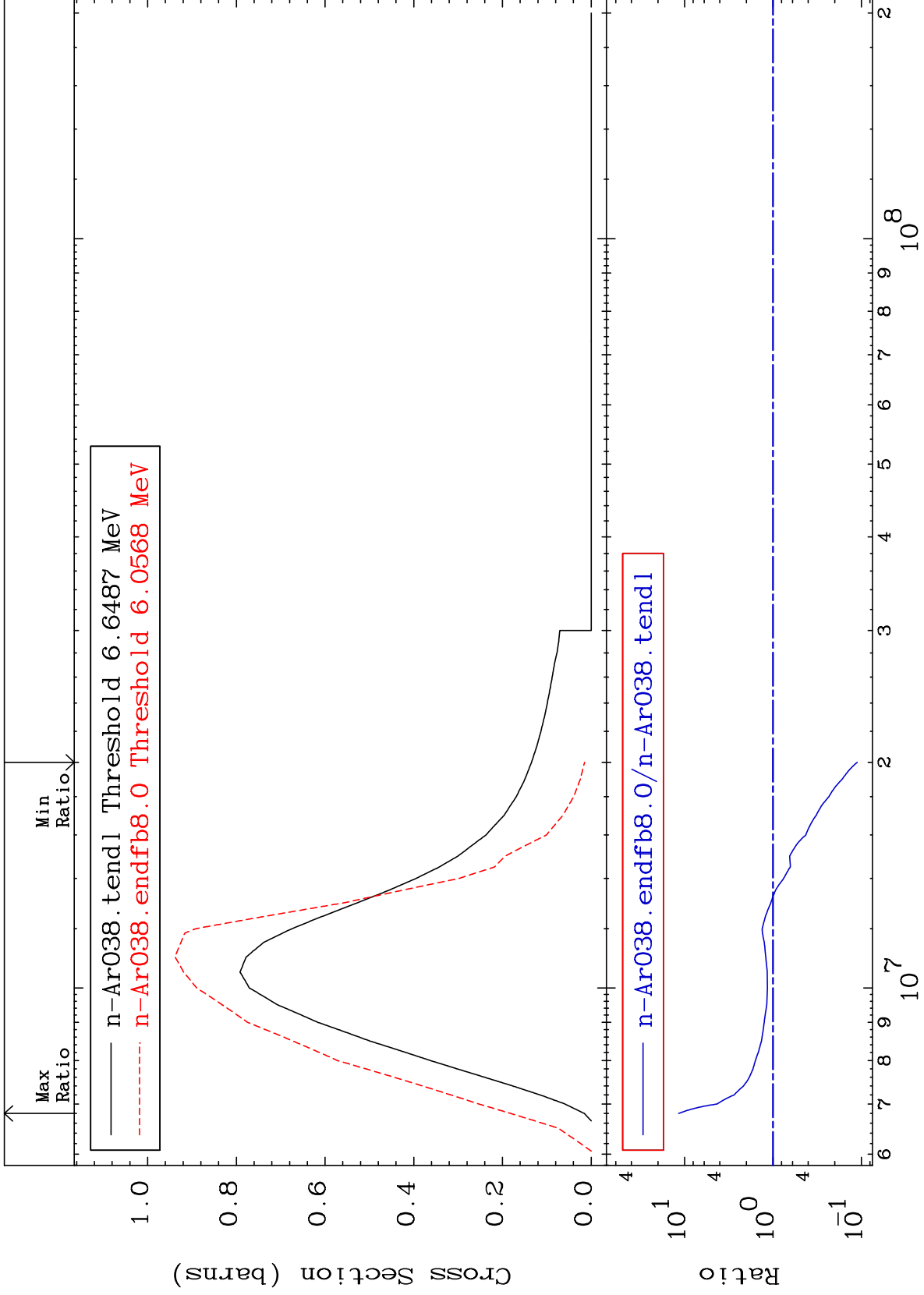
18-Ar-38
-100.0 To 4.614 %



25

Incident Energy (eV)

18-Ar-38



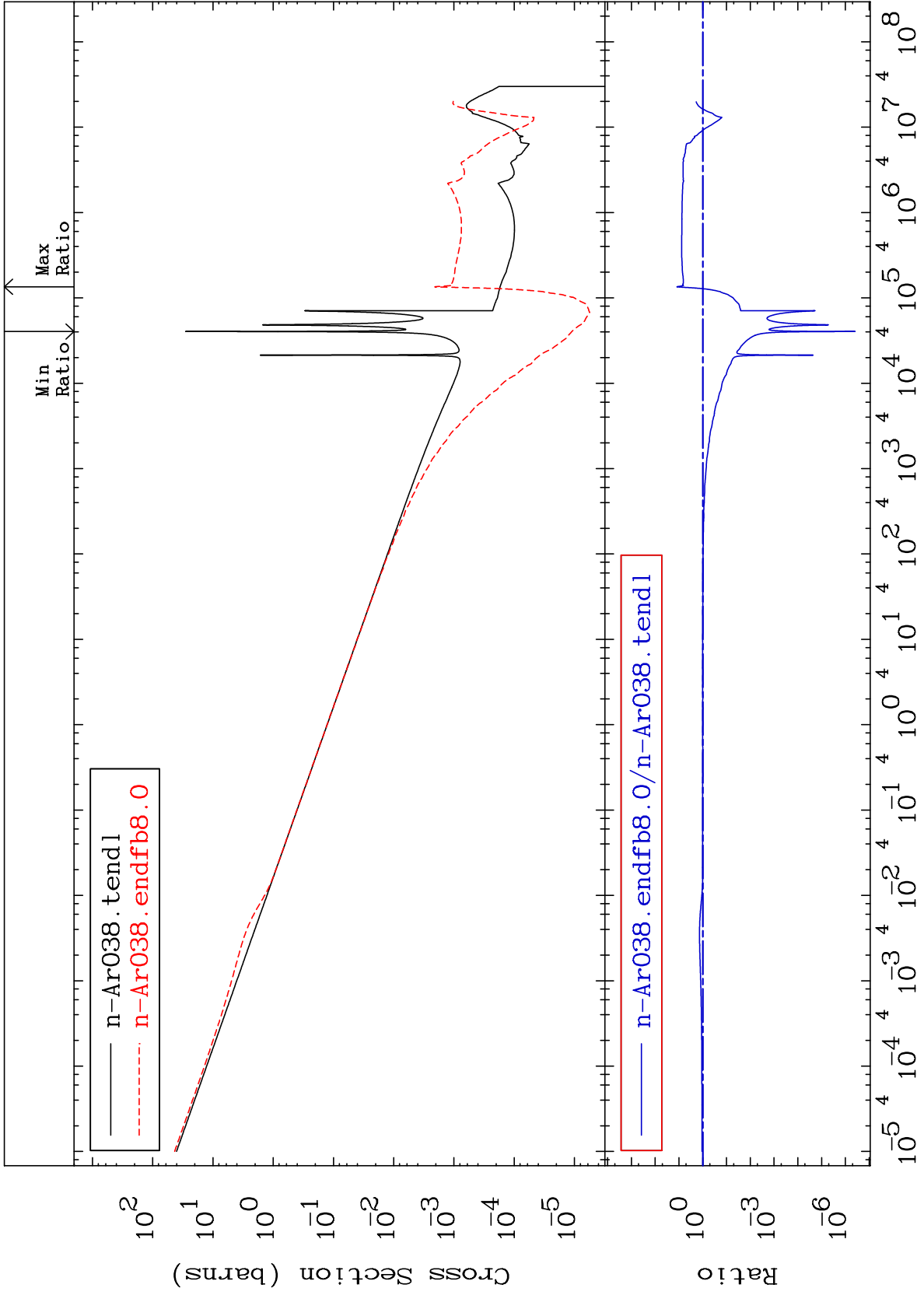
MAT 1831

(n, γ)

18-Ar-38

Cross Section

-100.0 To 1115. %



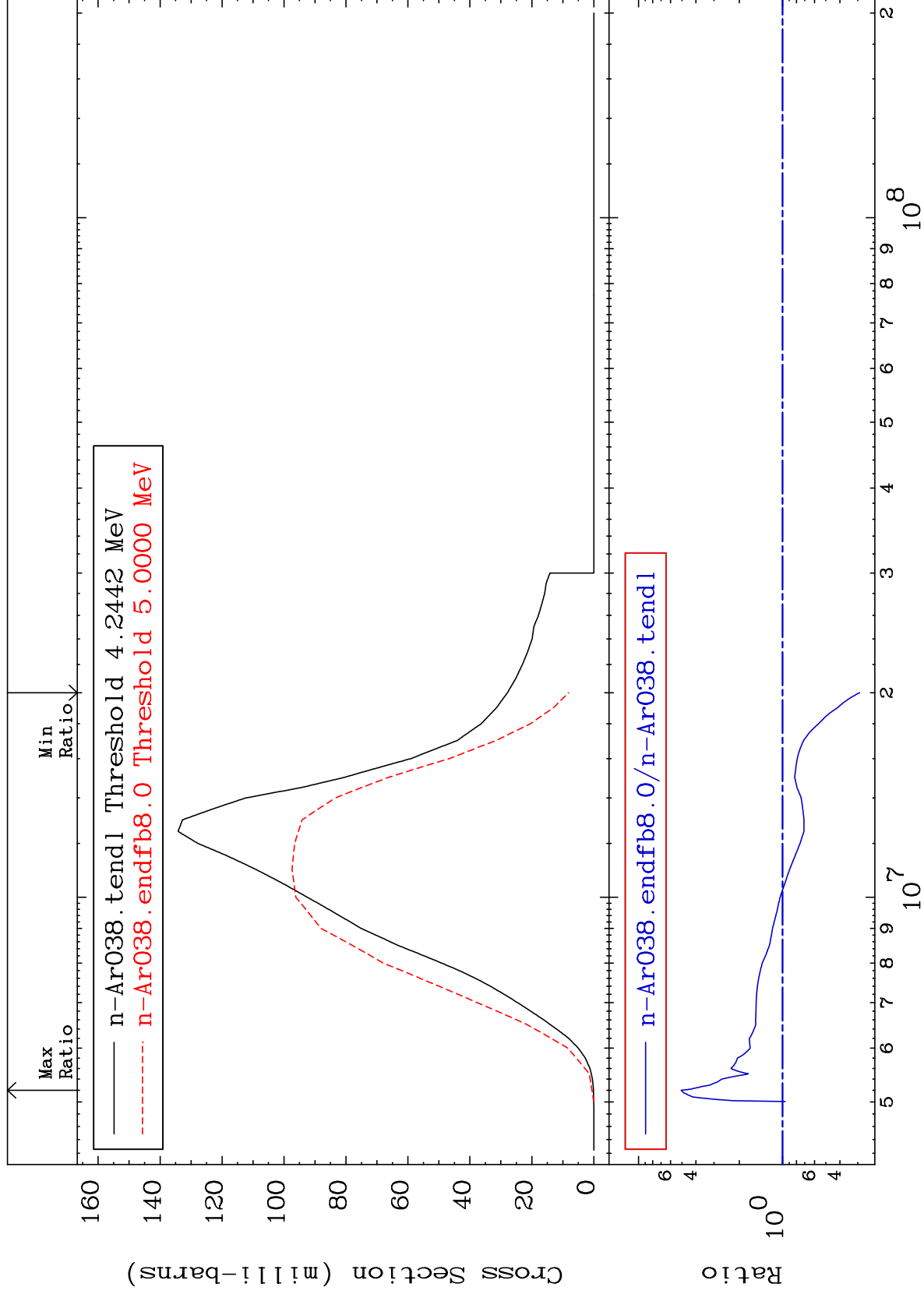
MAT 1831

(n,p)

18-Ar-38

Cross Section

-70.87 To 406.2 %



28

Incident Energy (eV)

18-Ar-38

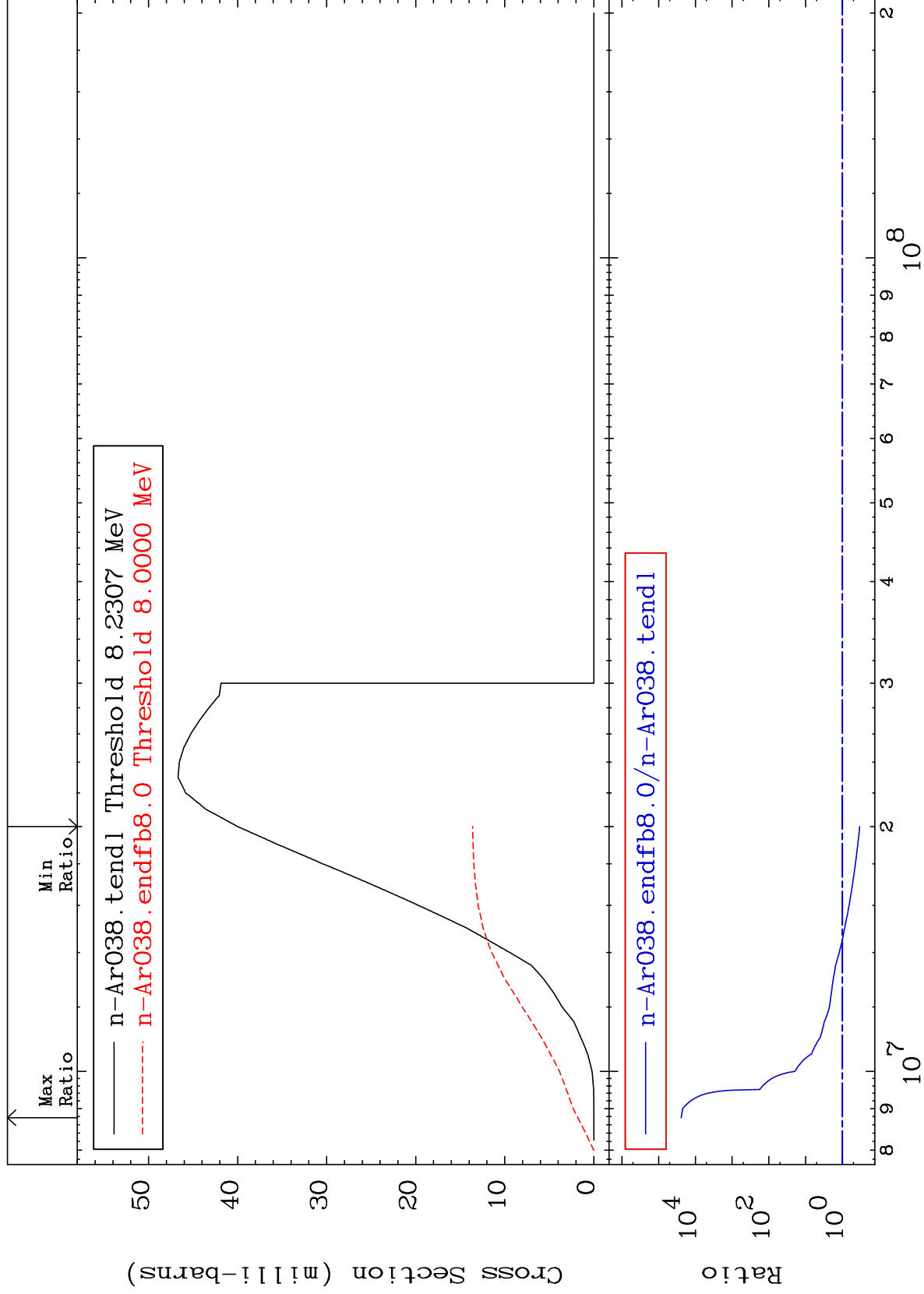
MAT 1831

(n, d)

18-Ar-38

Cross Section

-66.02 To 9999. %



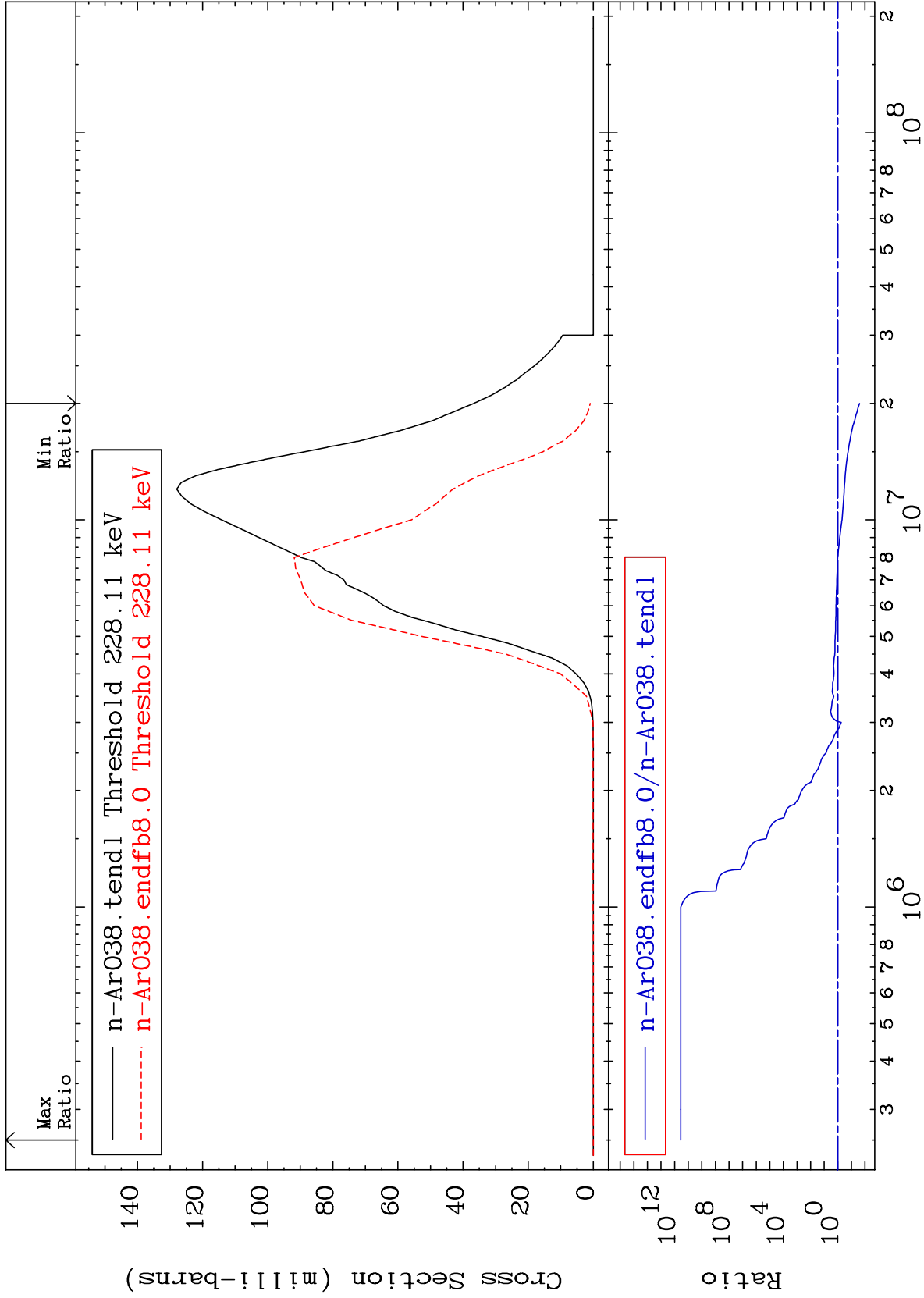
29

Incident Energy (eV)

18-Ar-38

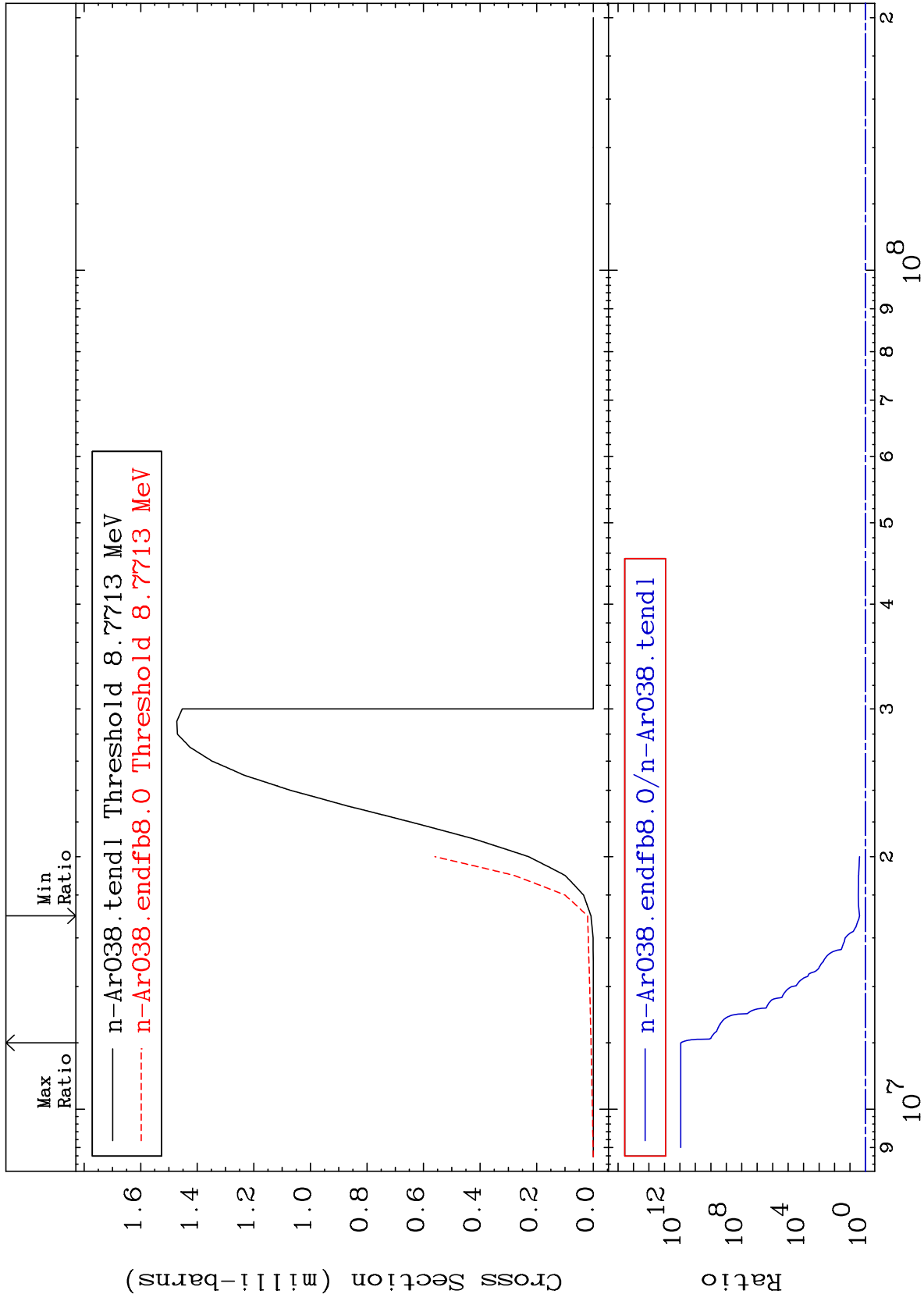
Cross Section

-97.49 To 9999. %



Cross Section

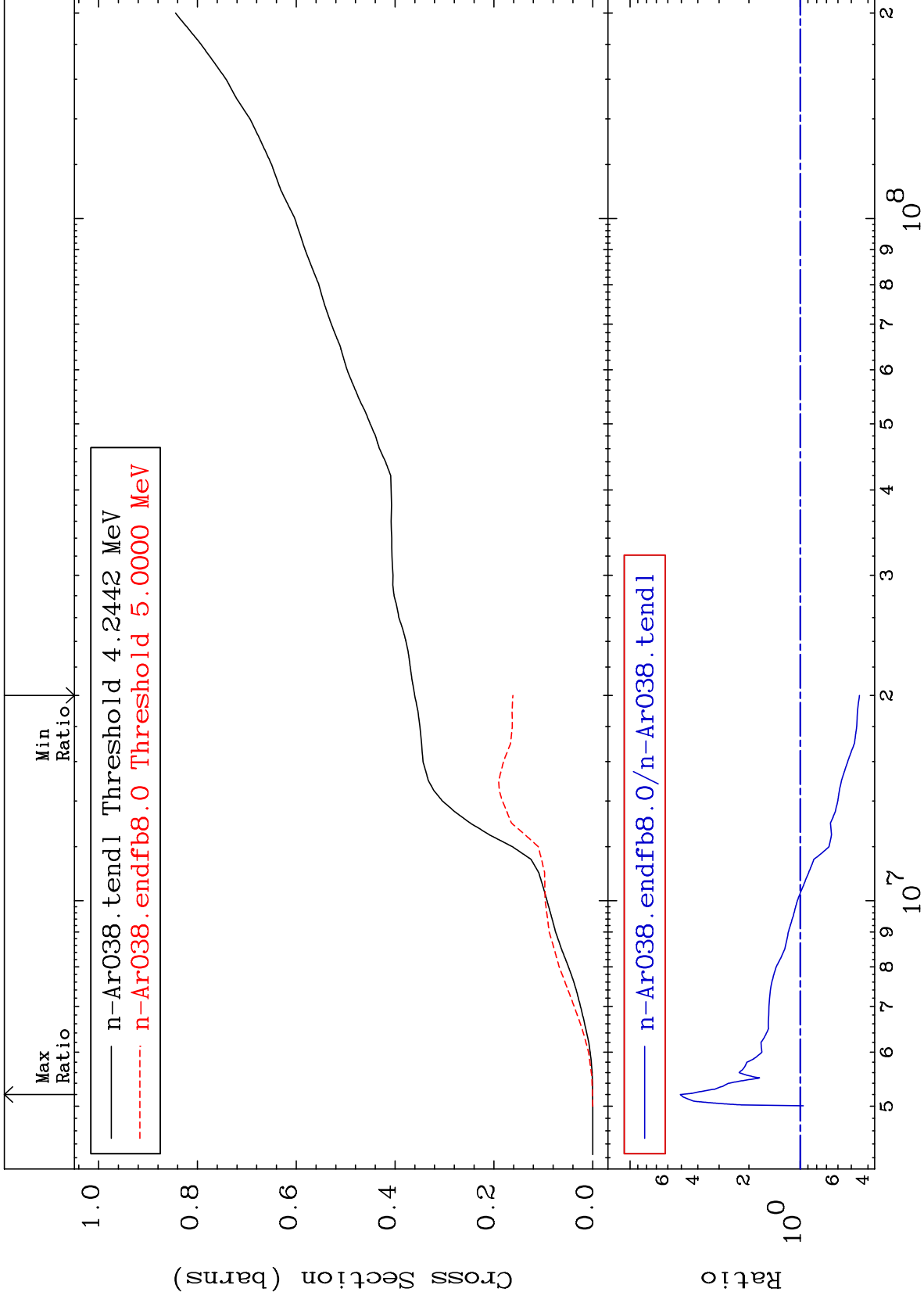
143.1 To 9999. %



MAT 1831

Hydrogen Production
Cross Section

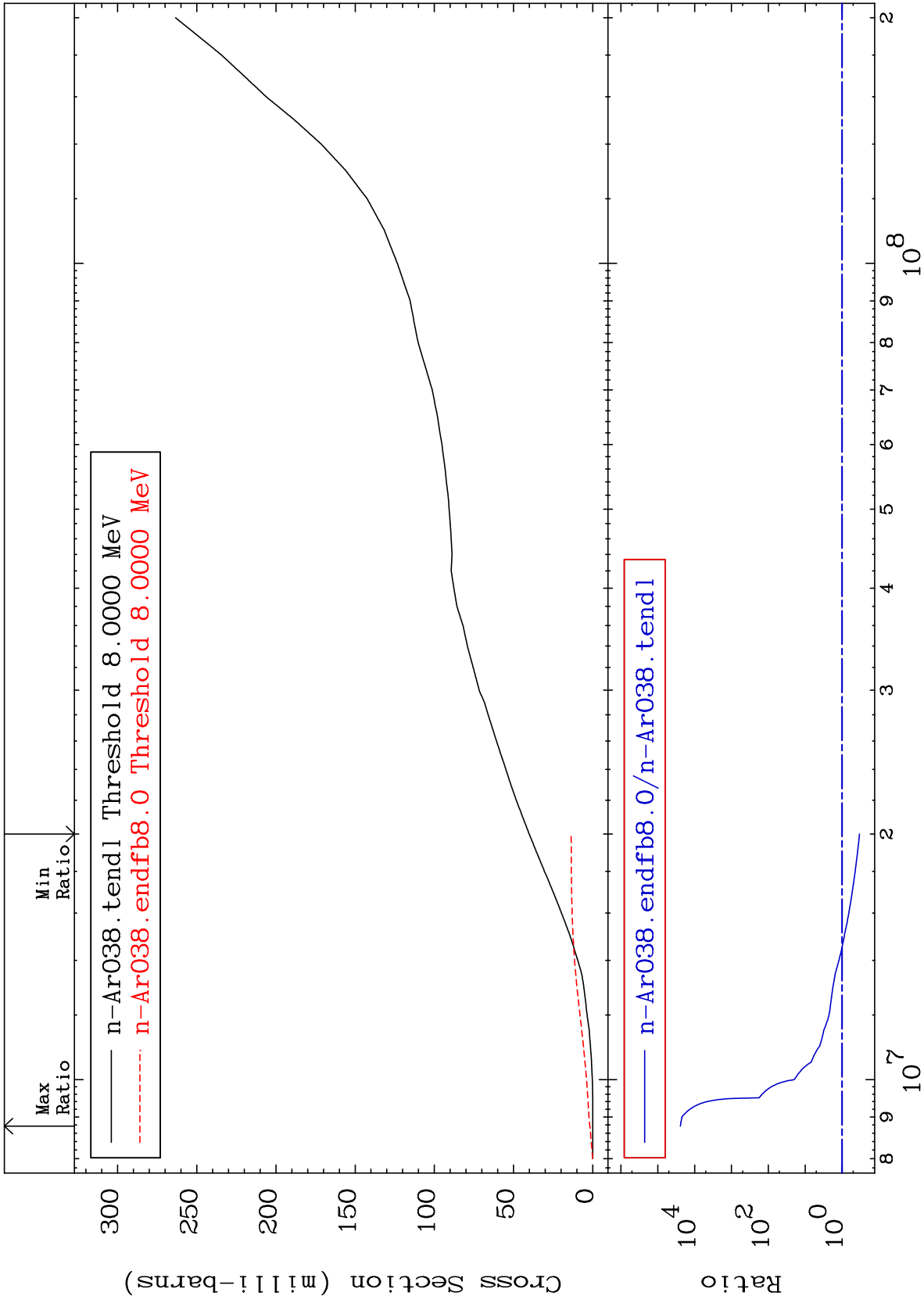
18-Ar-38
-55.16 To 406.2 %



MAT 1831

Deuterium Production
Cross Section

18-Ar-38
-66.10 To 9999. %



33

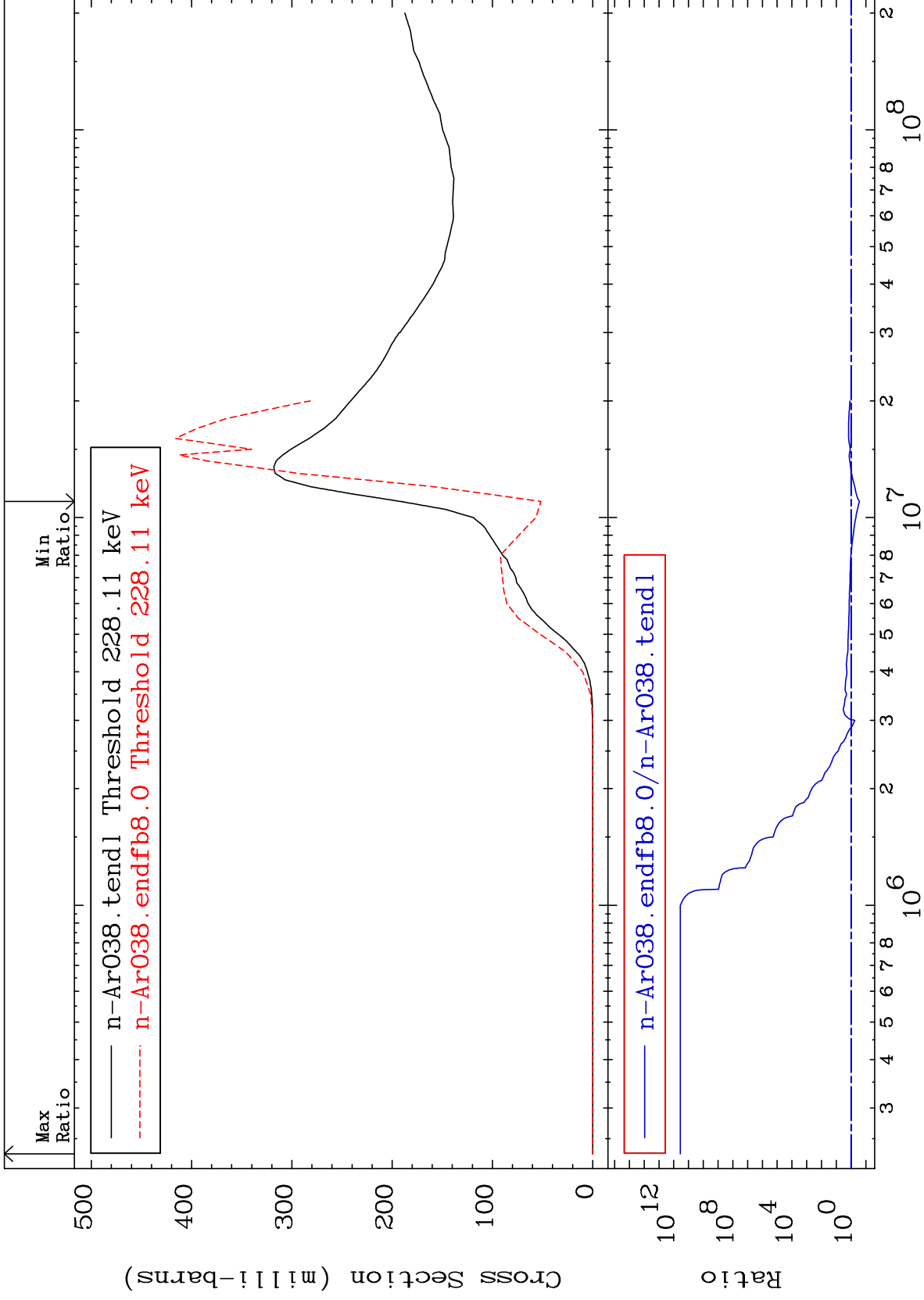
Incident Energy (eV)

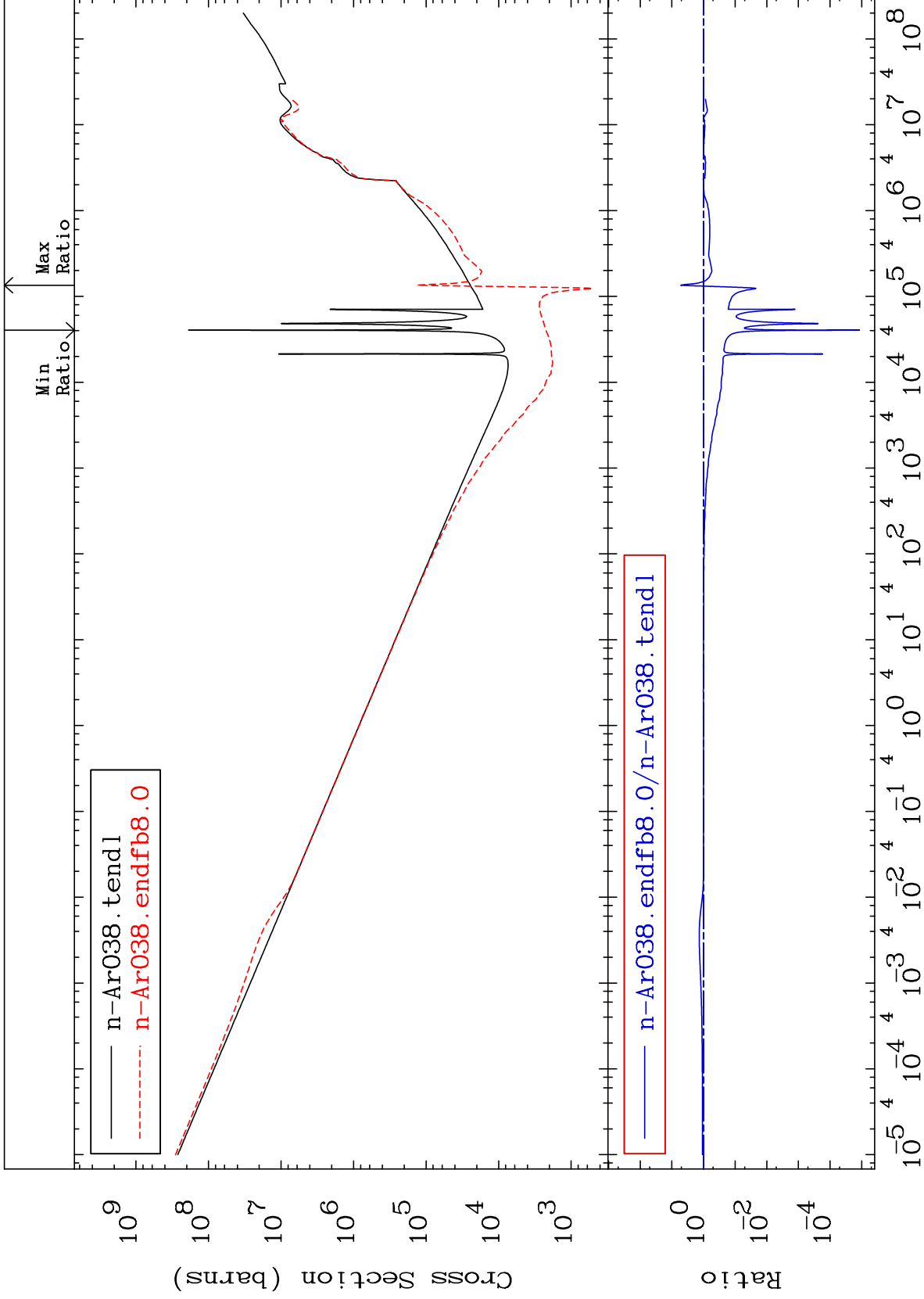
18-Ar-38

MAT 1831

He-4 Production
Cross Section

18-Ar-38
-72.98 To 9999. %

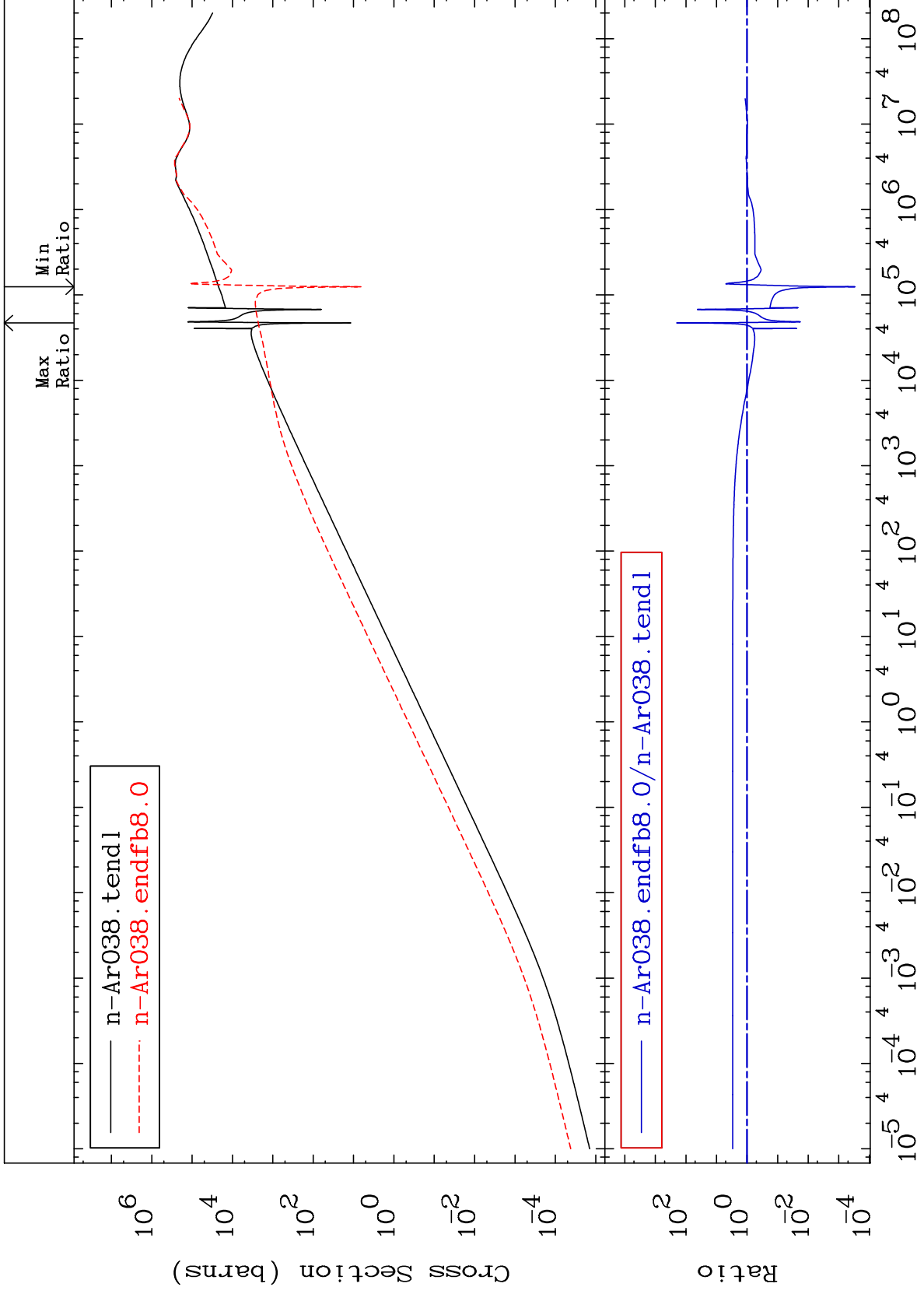




MAT 1831

Kerma elastic
Cross Section

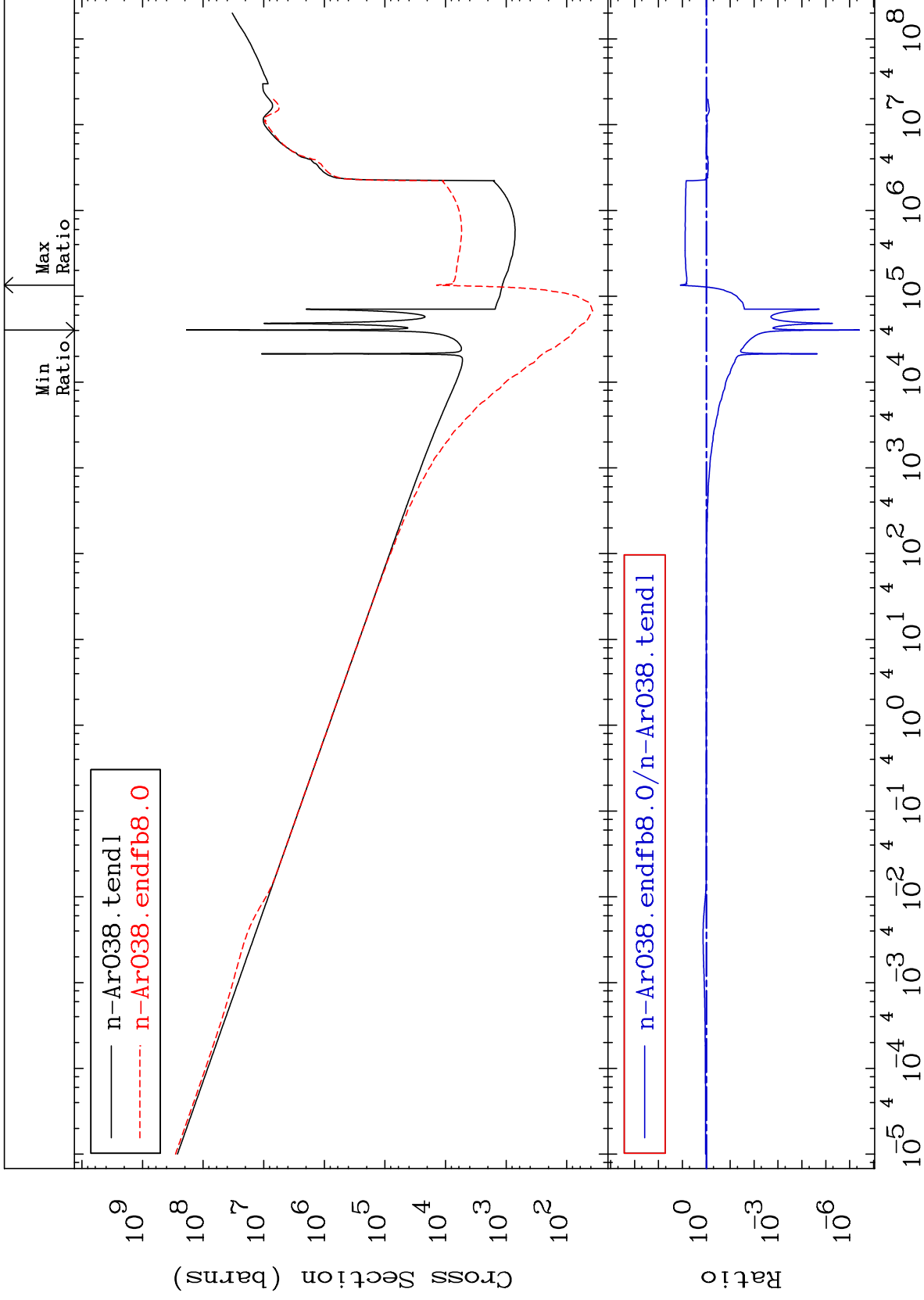
18-Ar-38
-99.97 To 9999. %

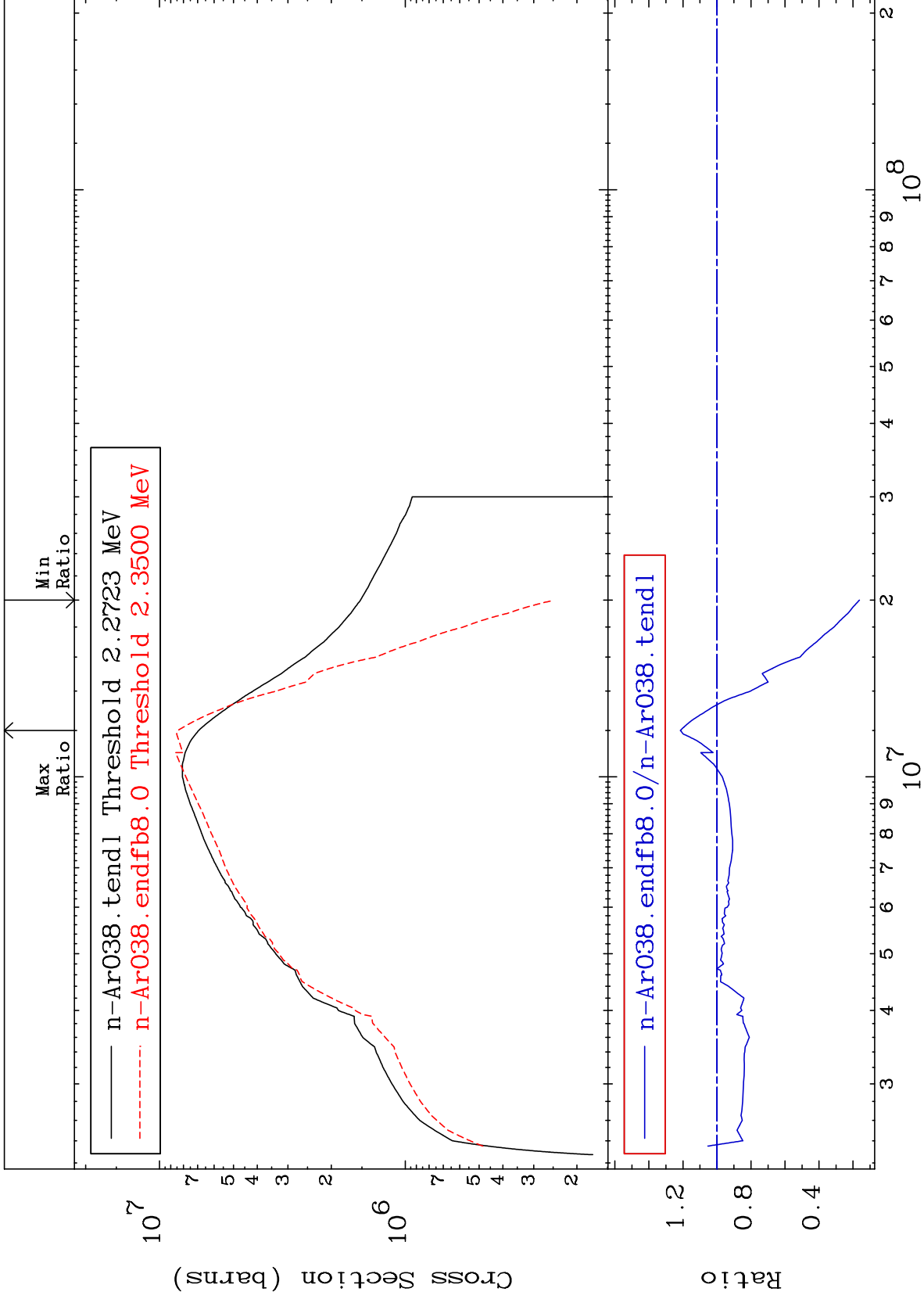


36

Incident Energy (eV)

18-Ar-38

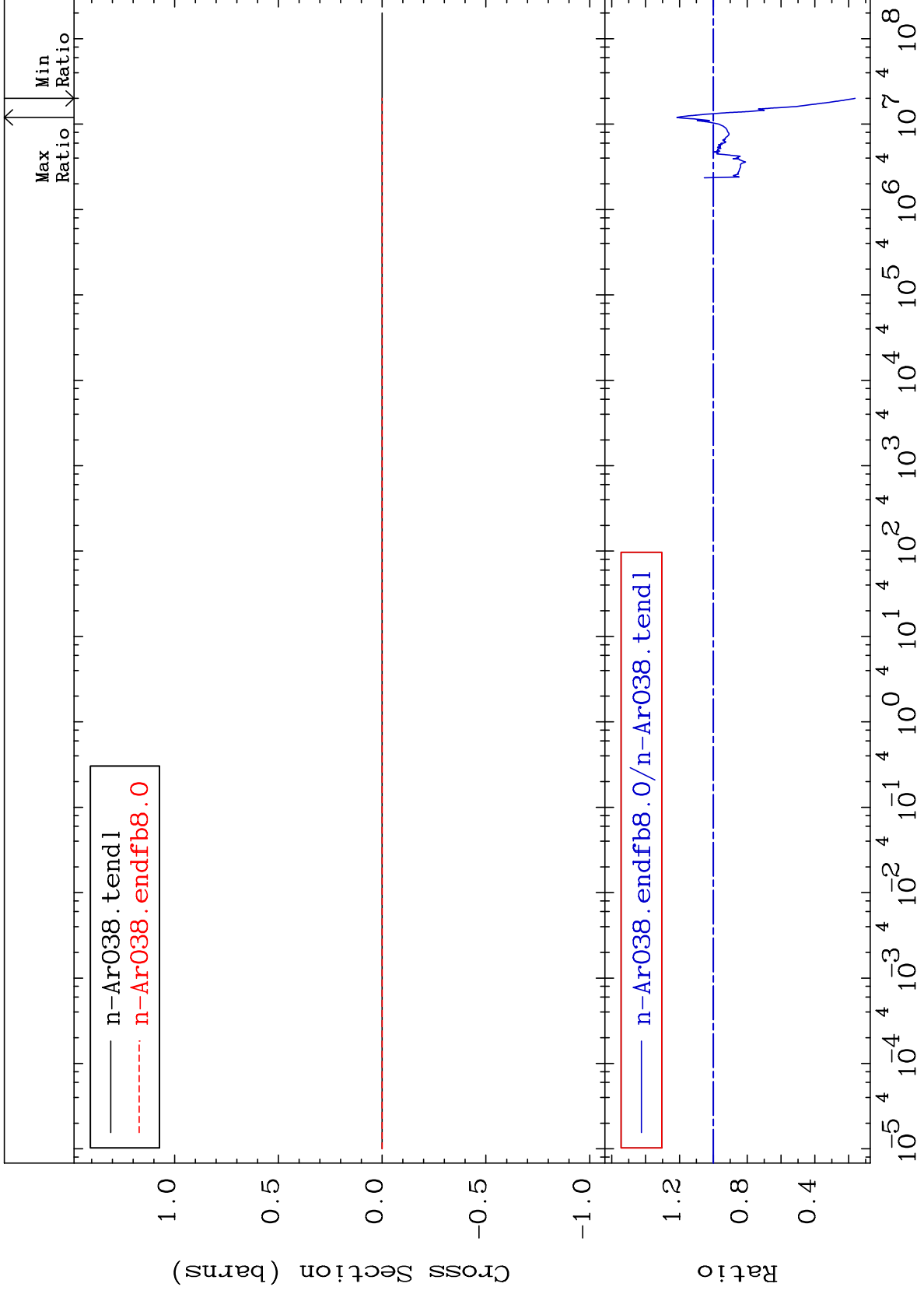




MAT 1831

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

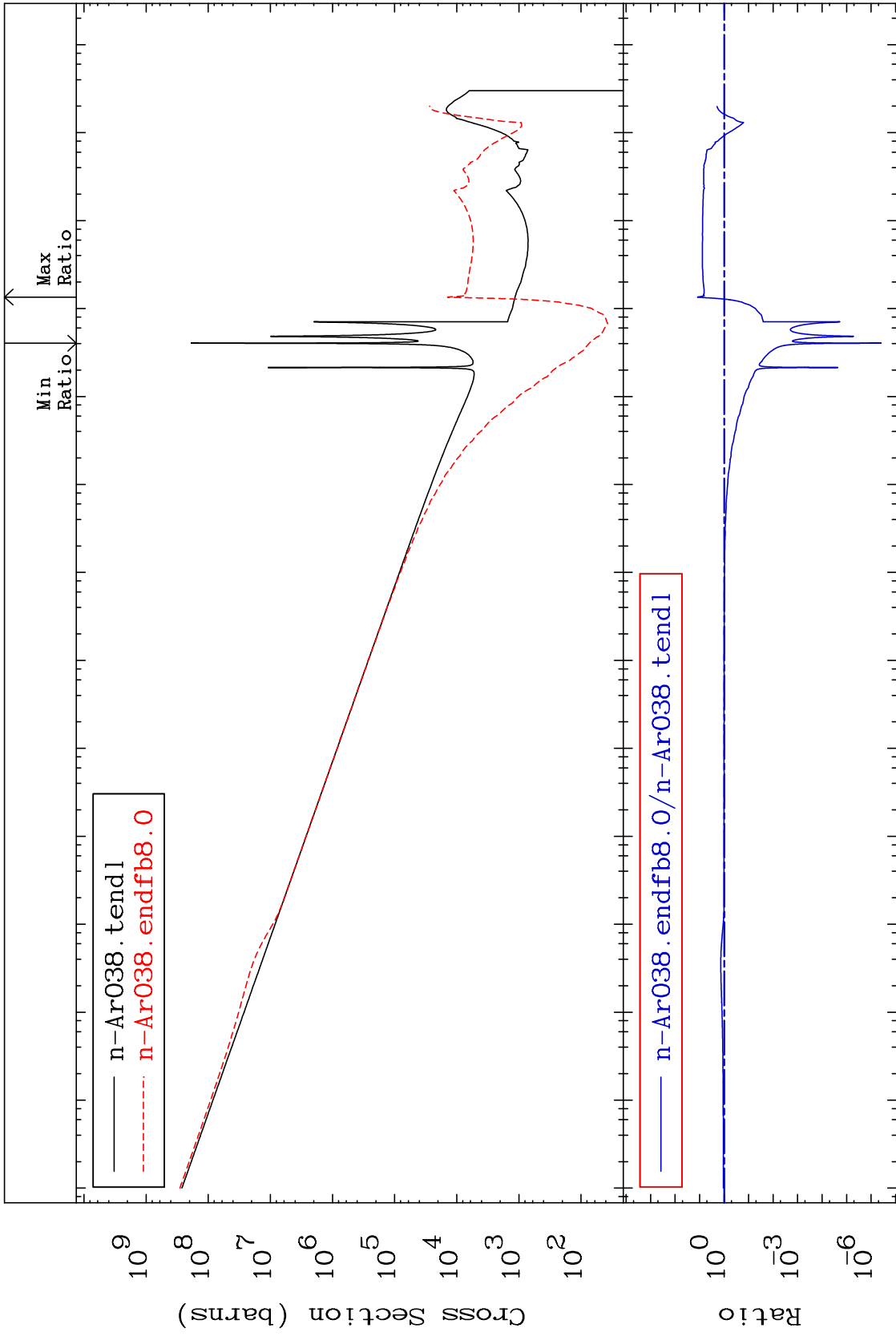
18-Ar-38
-83.75 To 21.52 %



MAT 1831

Kerma capture (mt102)
Cross Section

18-Ar-38
-100.0 To 1116. %



40

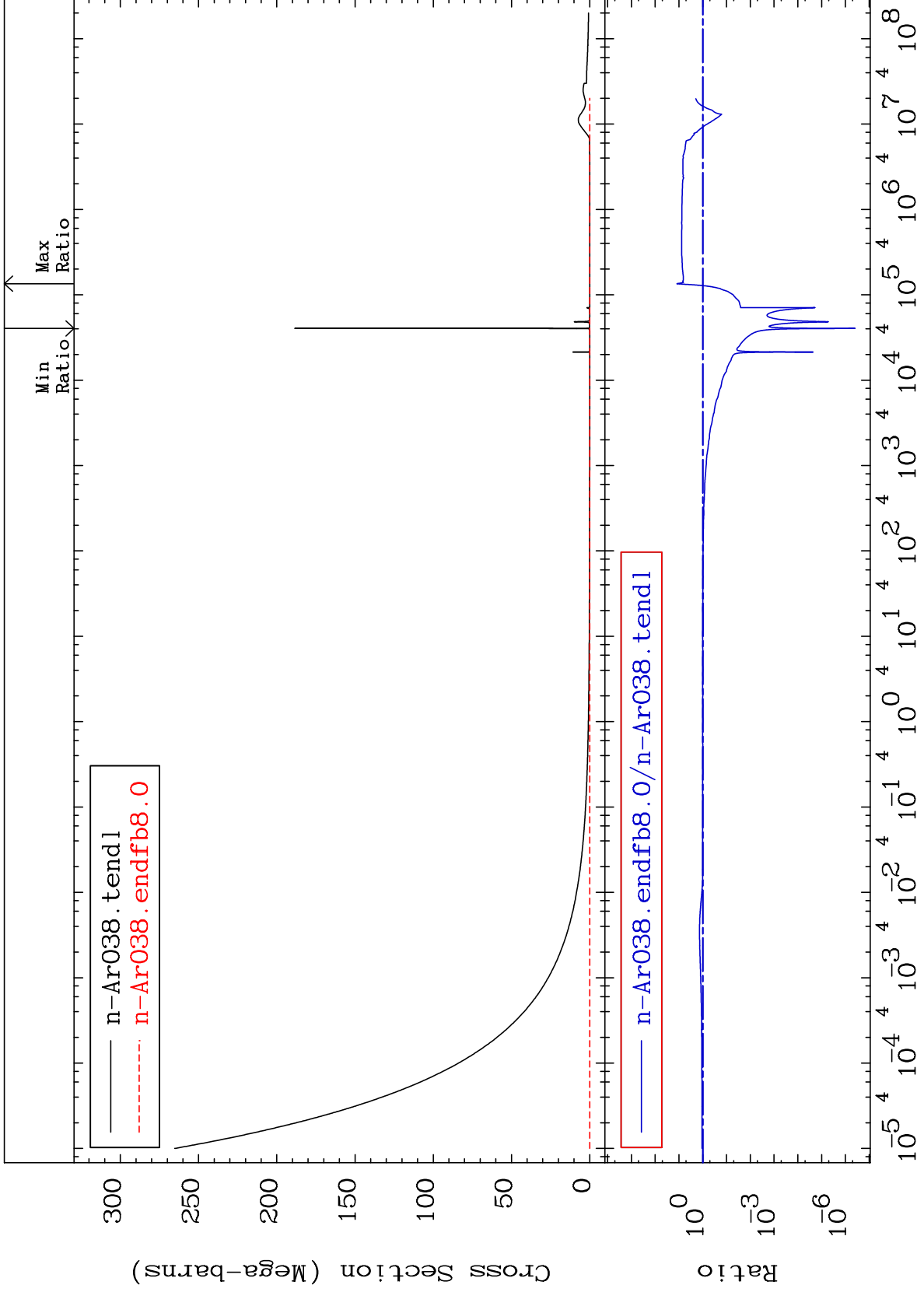
Incident Energy (eV)

18-Ar-38

MAT 1831

Total photon (eV-barns)
Cross Section

18-Ar-38
-100.0 To 1116. %



41

Incident Energy (eV)

18-Ar-38

MAT 1831

Total kinematic kerma (high limit)
Cross Section

18-Ar-38
-100.0 To 381.1 %

