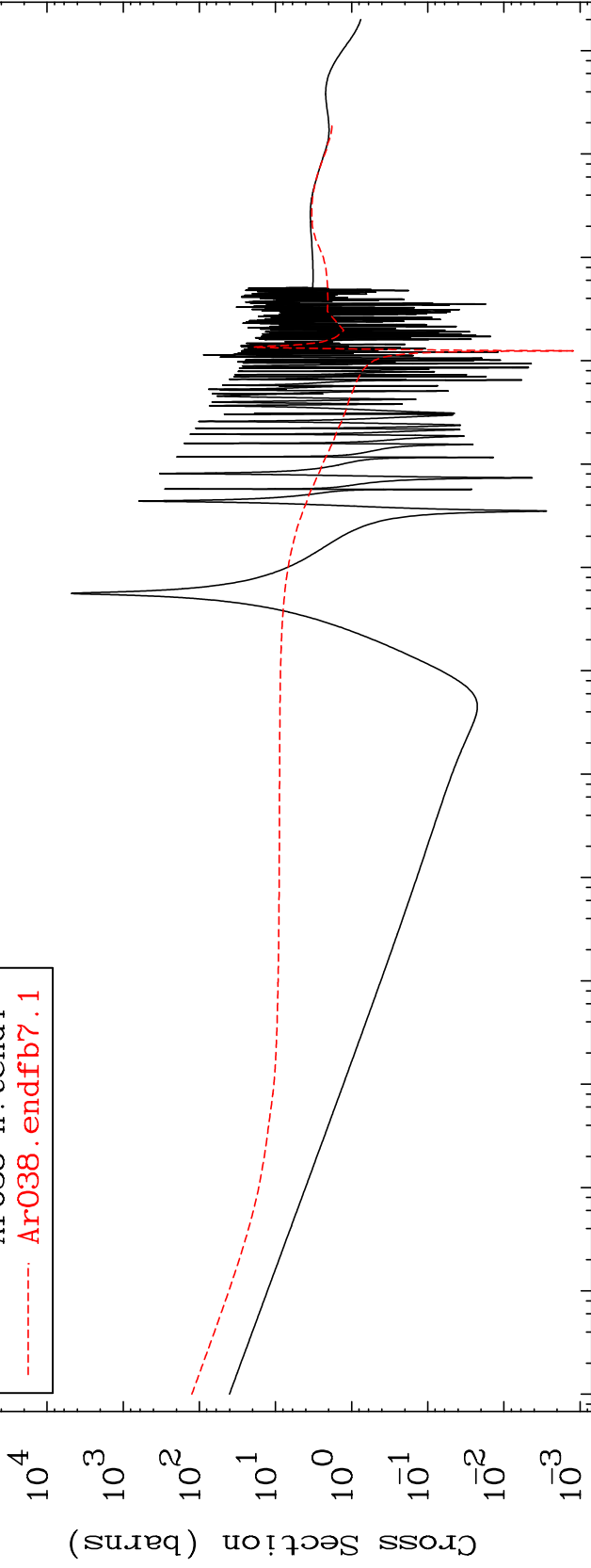


MAT 1831

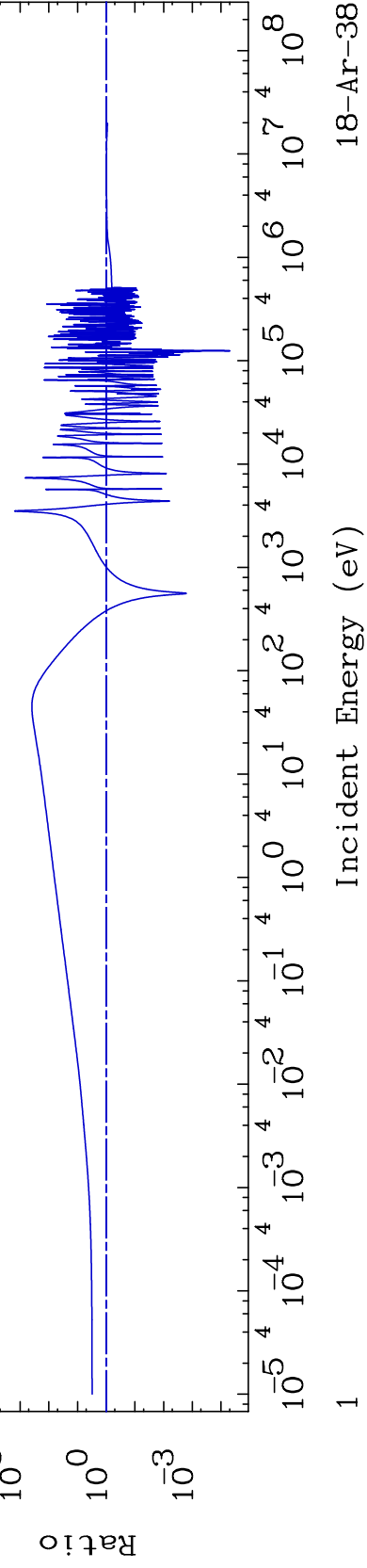
Total
Cross Section

18-Ar-38
-100.0 To 9999. %

— Ar038-n.tendl
- - - Ar038.endfb7.1



— Ar038.endfb7.1/Ar038-n.tendl

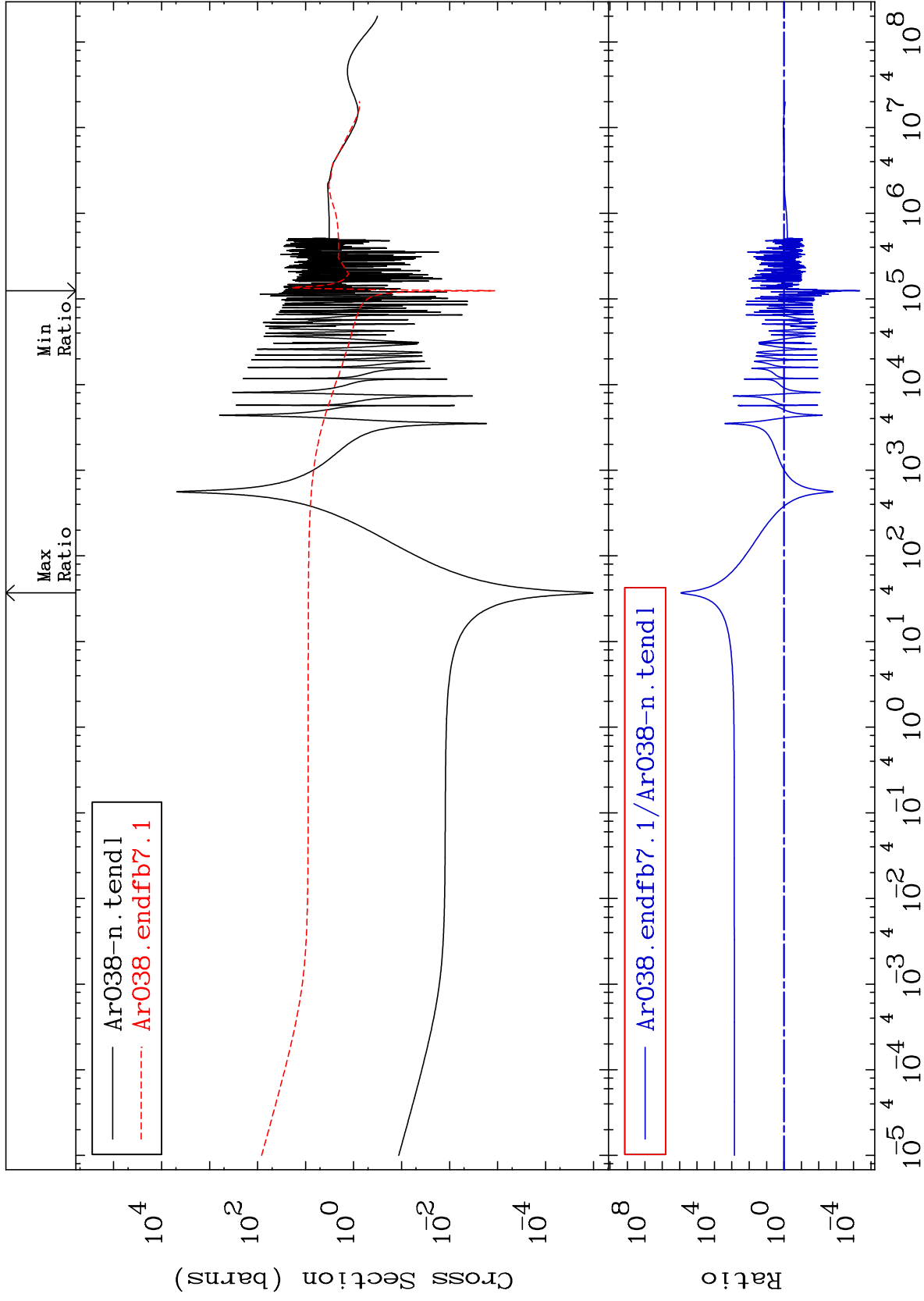


18-Ar-38

MAT 1831

18-Ar-38

Elastic Cross Section -100.0 To 9999. %



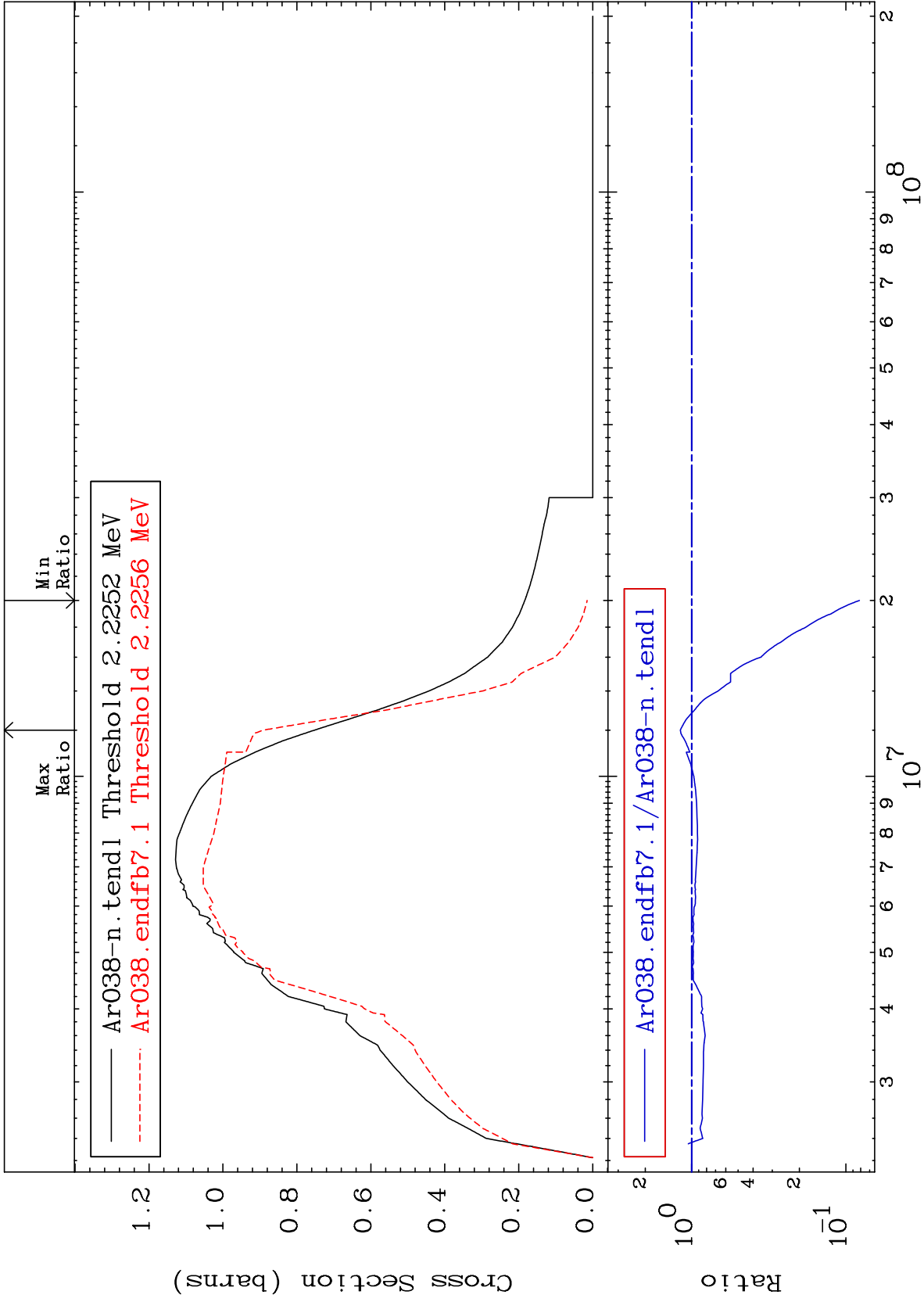
2

Incident Energy (eV)

18-Ar-38

Inelastic Cross Section

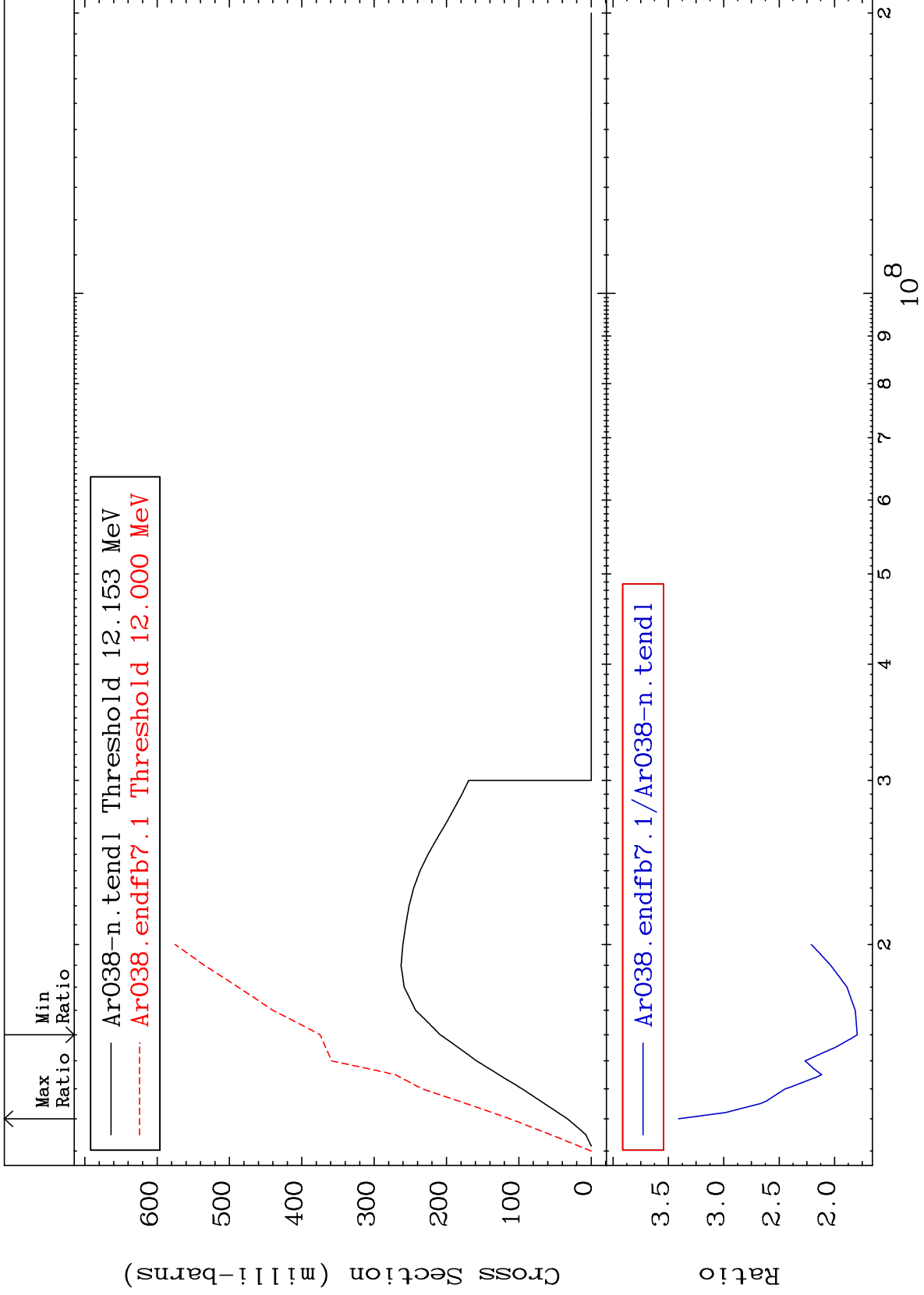
-91.84 To 18.41 %



MAT 1831

(n,2n)
Cross Section

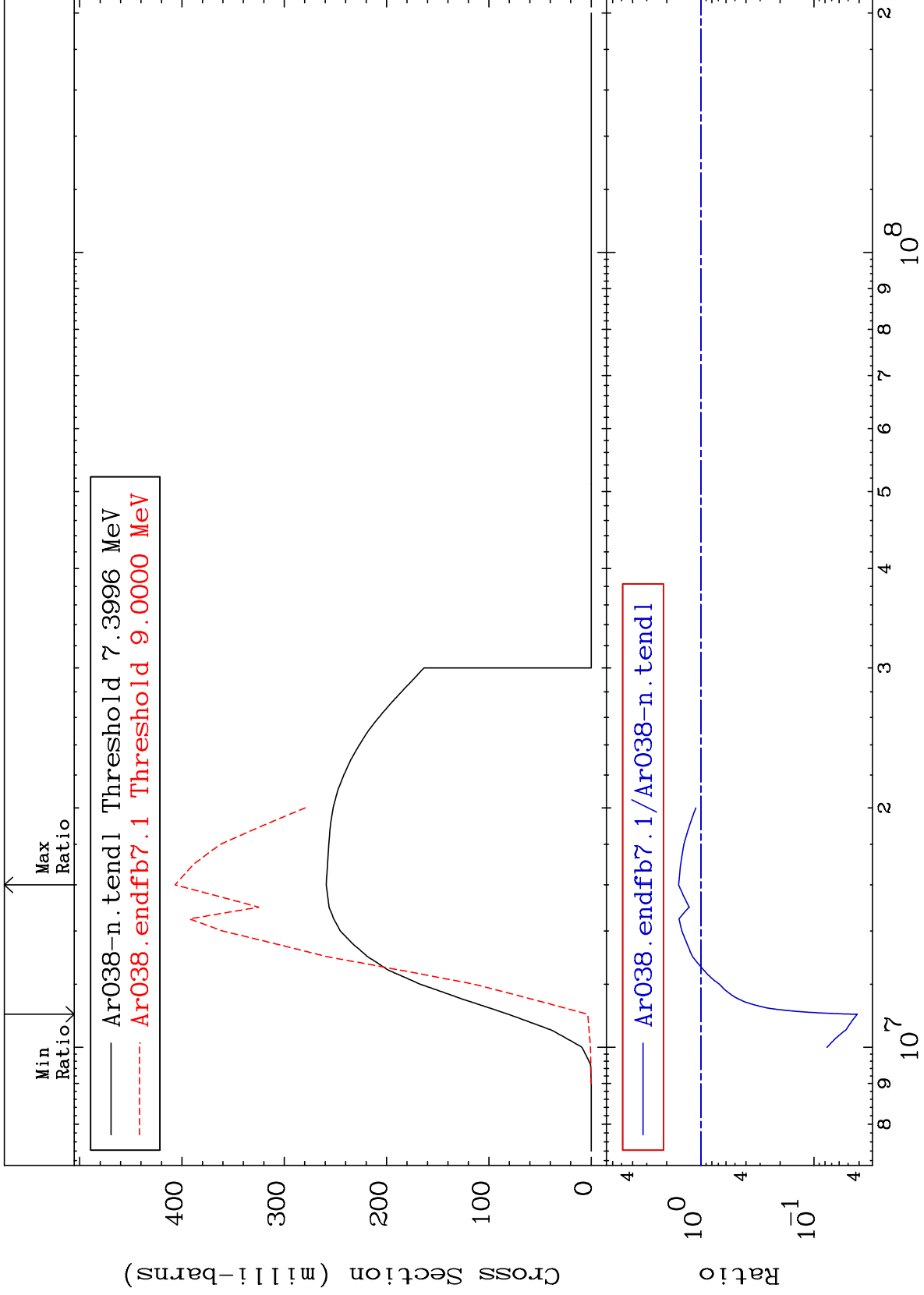
18-Ar-38
To 240.7 %



MAT 1831

(n, n') α
Cross Section

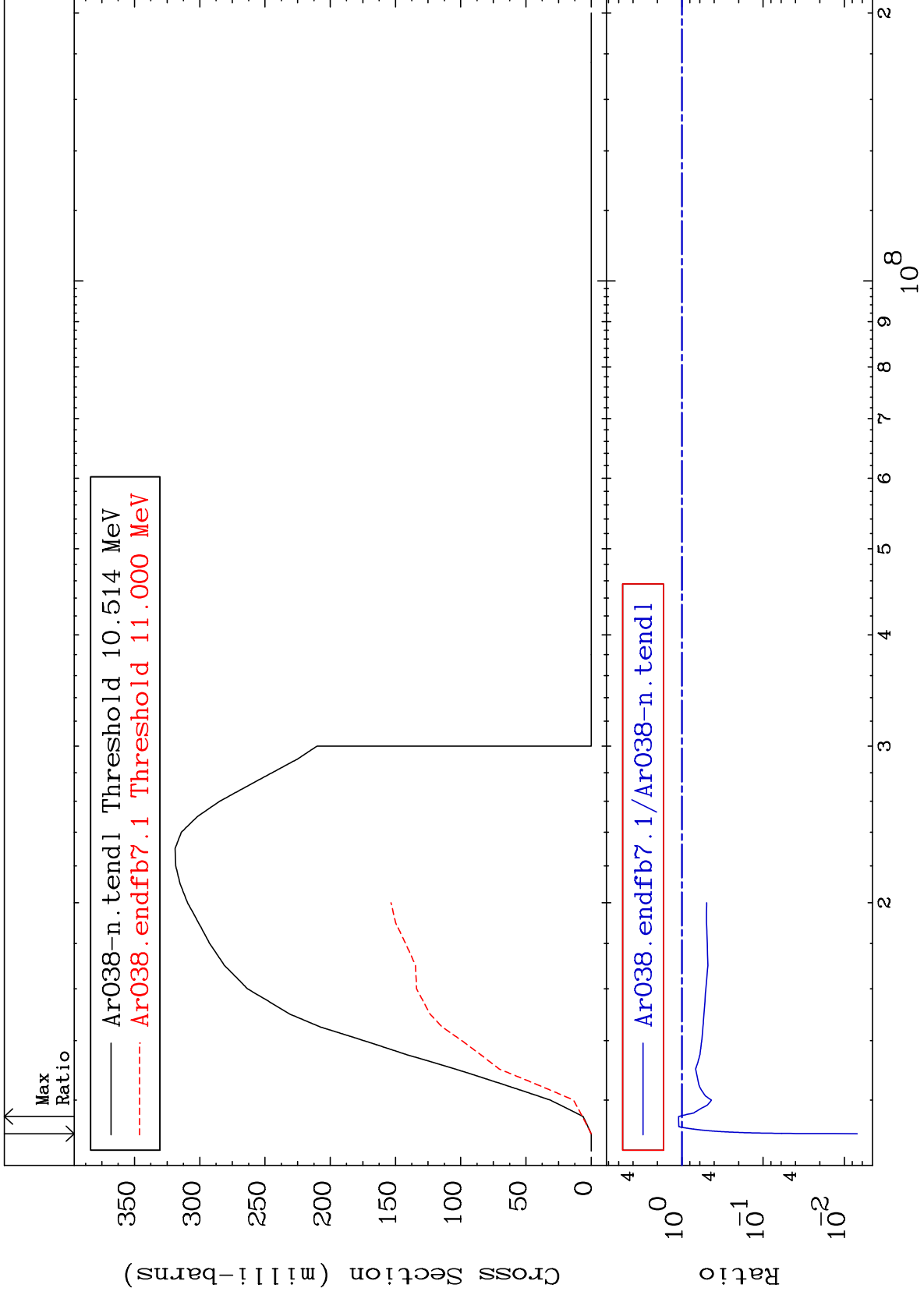
18-Ar-38
-95.84 To 57.05 %



5

18-Ar-38

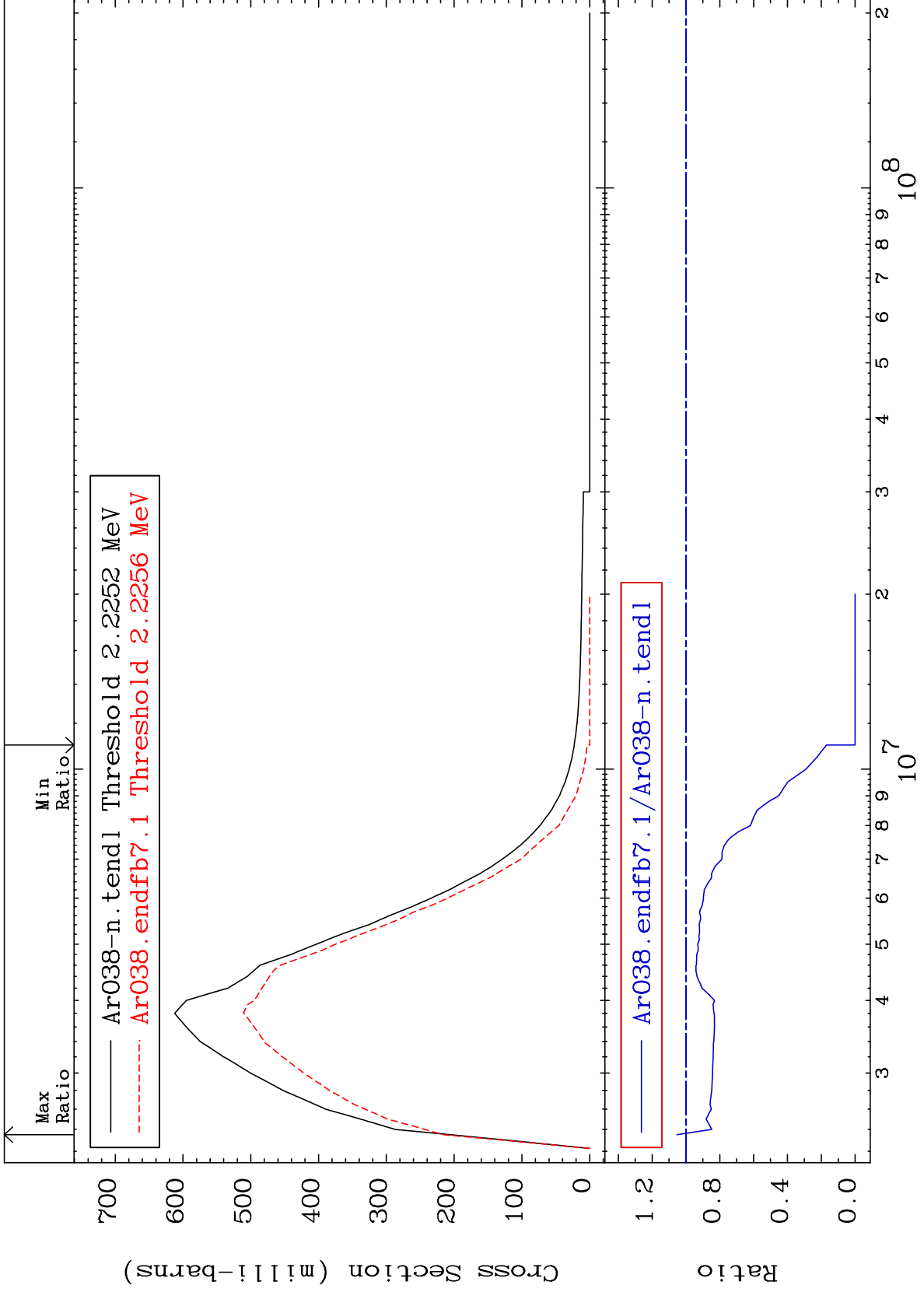
18-Ar-38



MAT 1831

2.168 MeV (n,n') Level
Cross Section

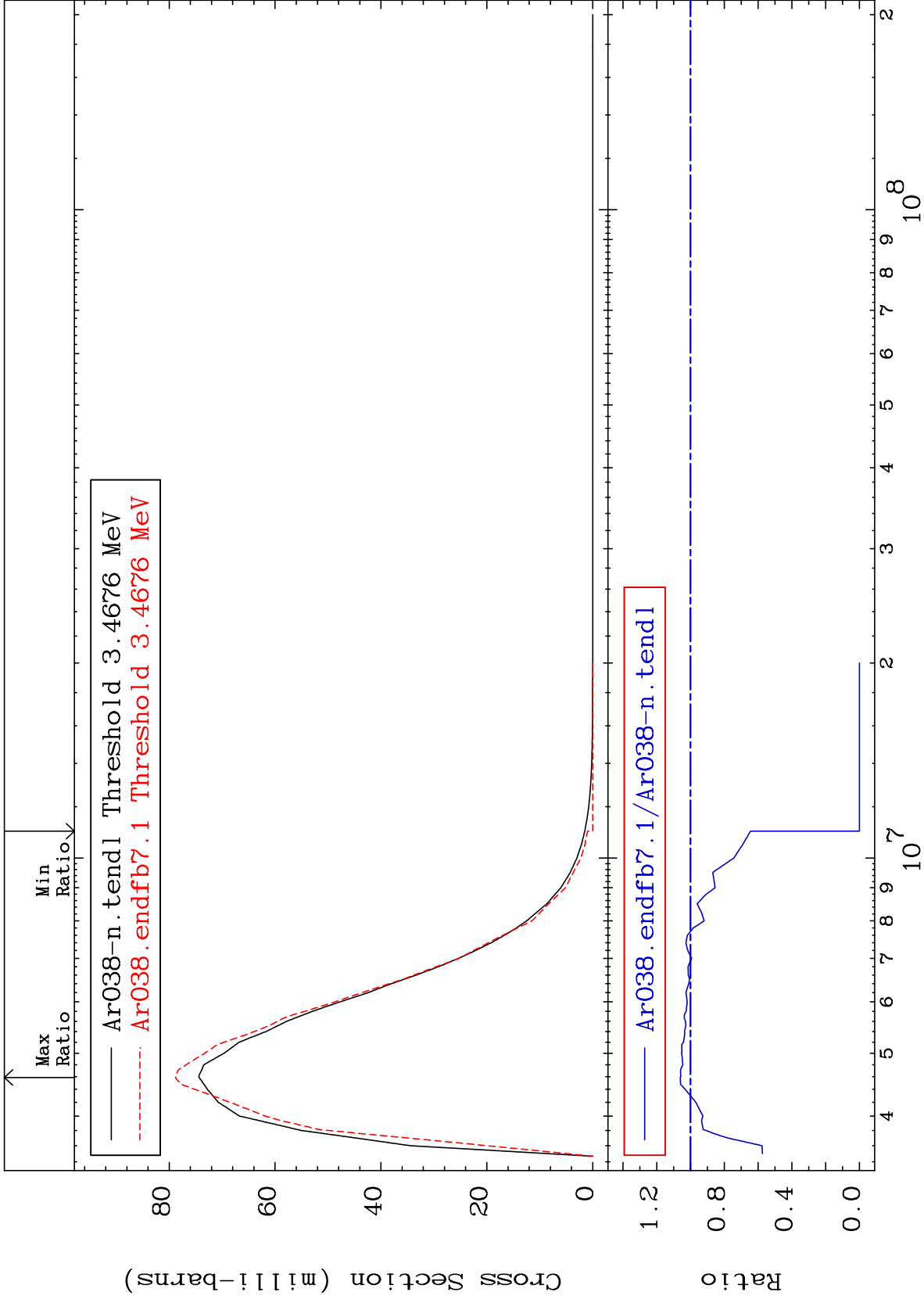
18-Ar-38
-100.0 To 5.362 %



MAT 1831

3.378 MeV (n,n') Level
Cross Section

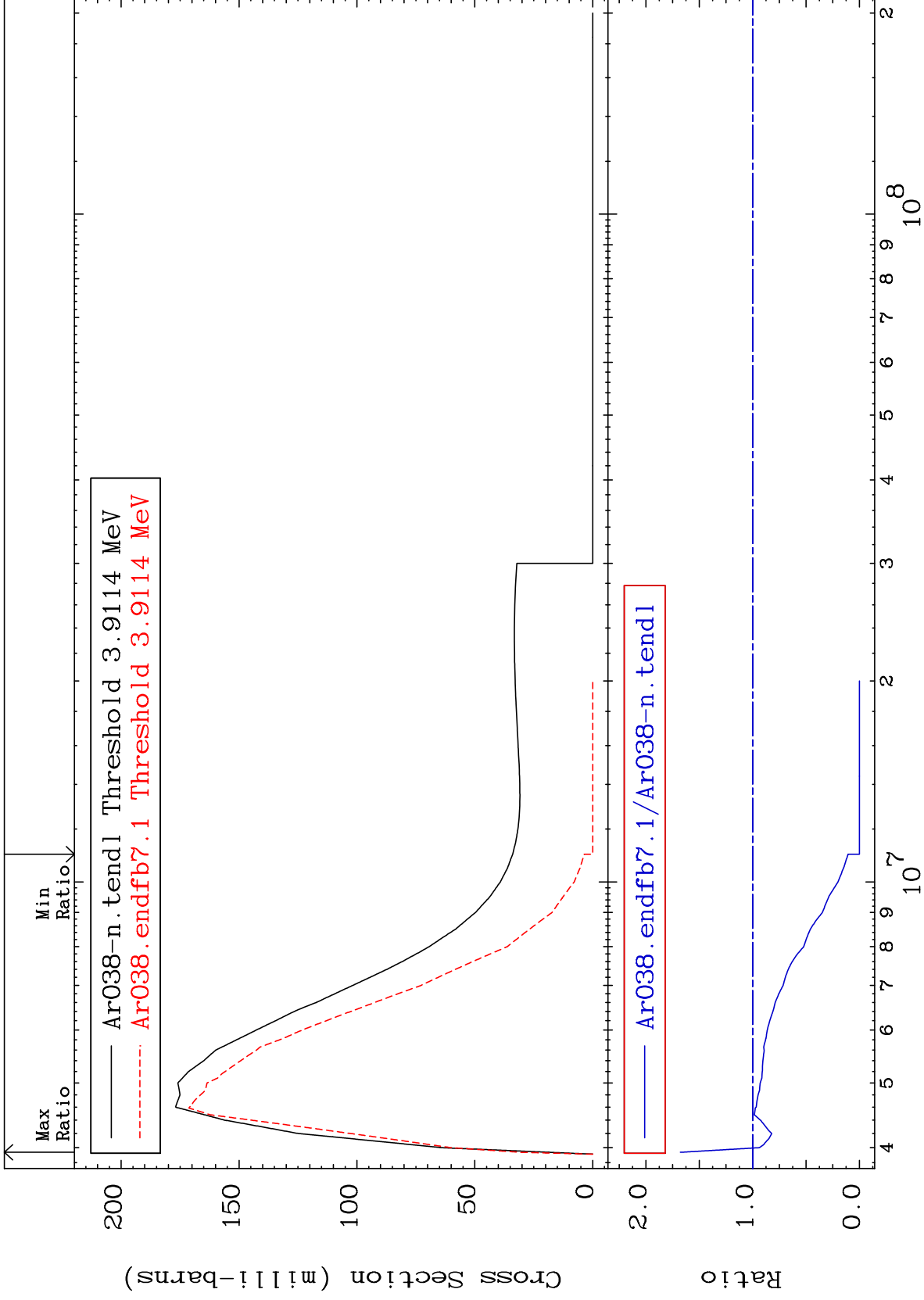
18-Ar-38
-100.0 To 6.040 %



MAT 1831

3.810 MeV (n,n') Level
Cross Section

18-Ar-38
-100.0 To 67.75 %



9

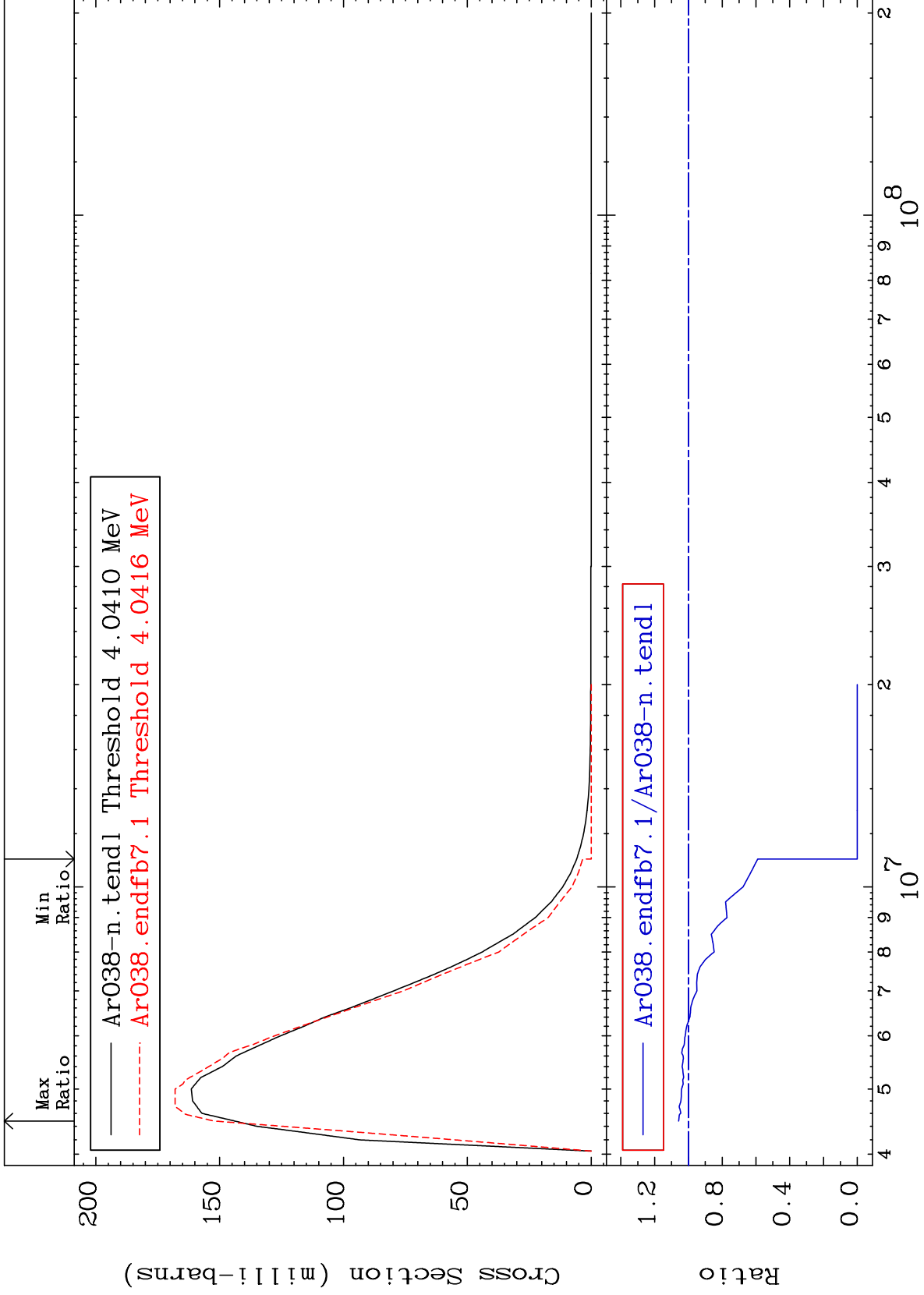
18-Ar-38

18-Ar-38

MAT 1831

3.936 MeV (n,n') Level
Cross Section

18-Ar-38
-100.0 To 5.785 %



10

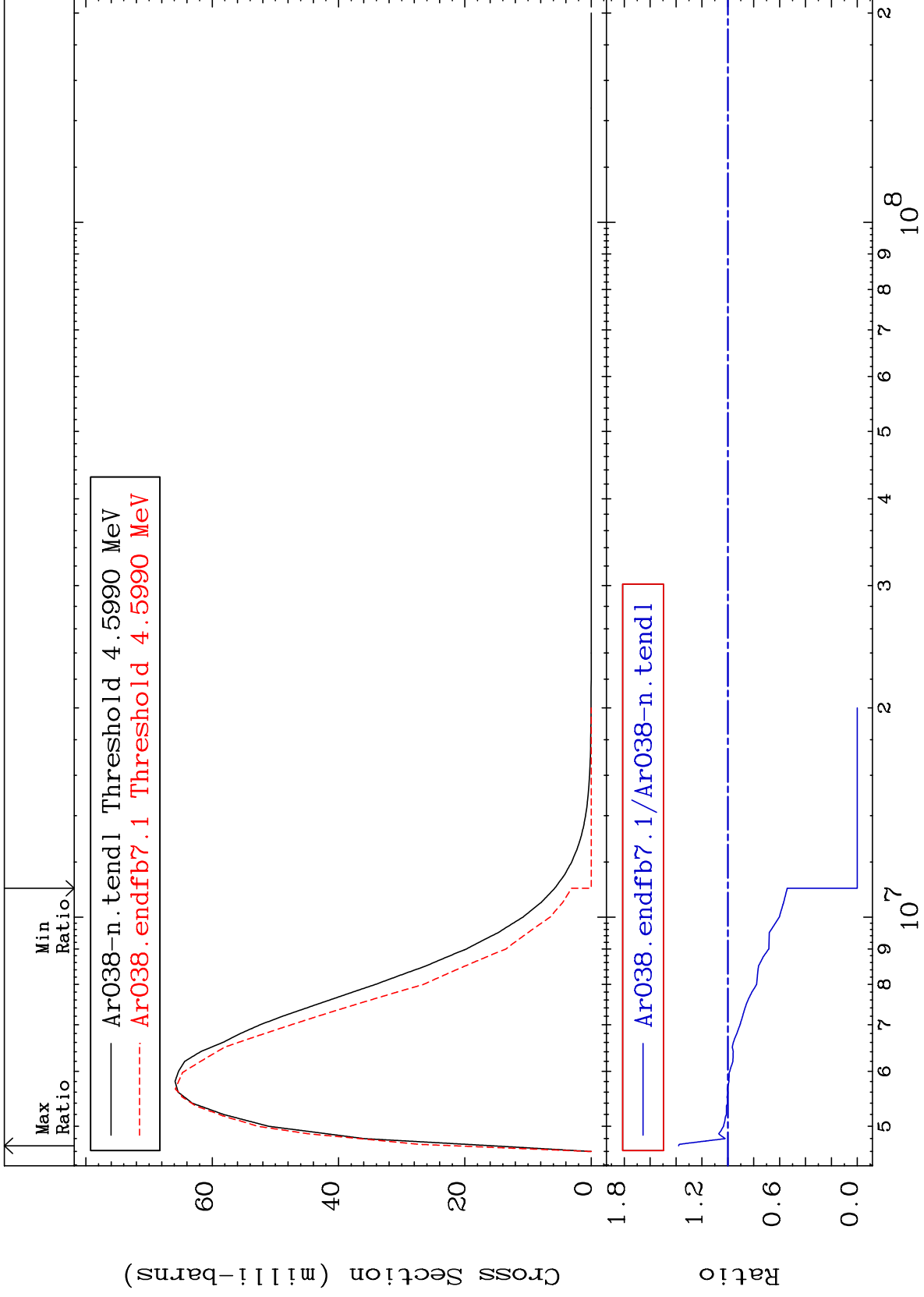
Incident Energy (eV)

18-Ar-38

MAT 1831

4.480 MeV (n,n') Level
Cross Section

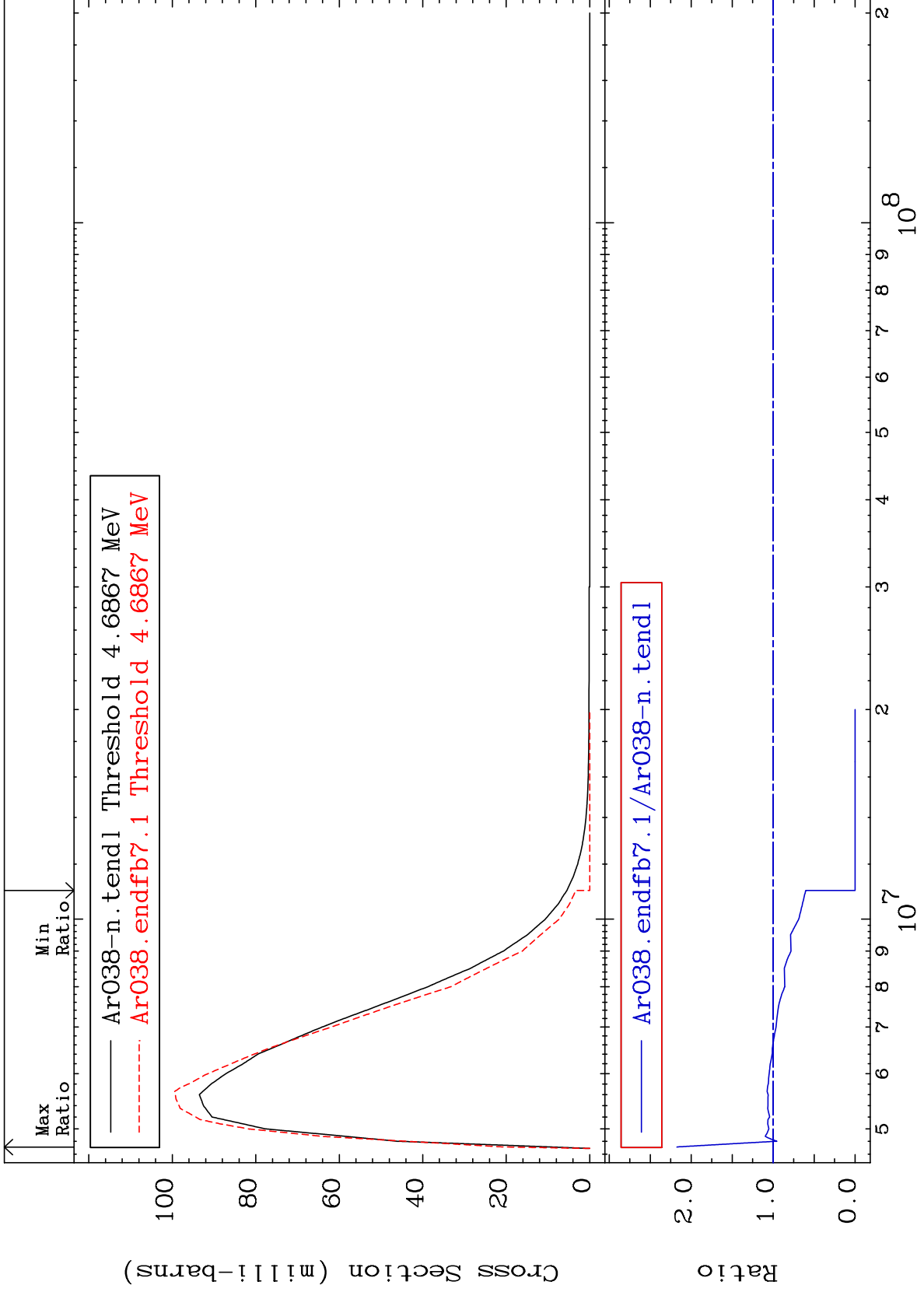
18-Ar-38
-100.0 To 37.99 %



MAT 1831

4.565 MeV (n,n') Level
Cross Section

18-Ar-38
-100.0 To 117.4 %



12

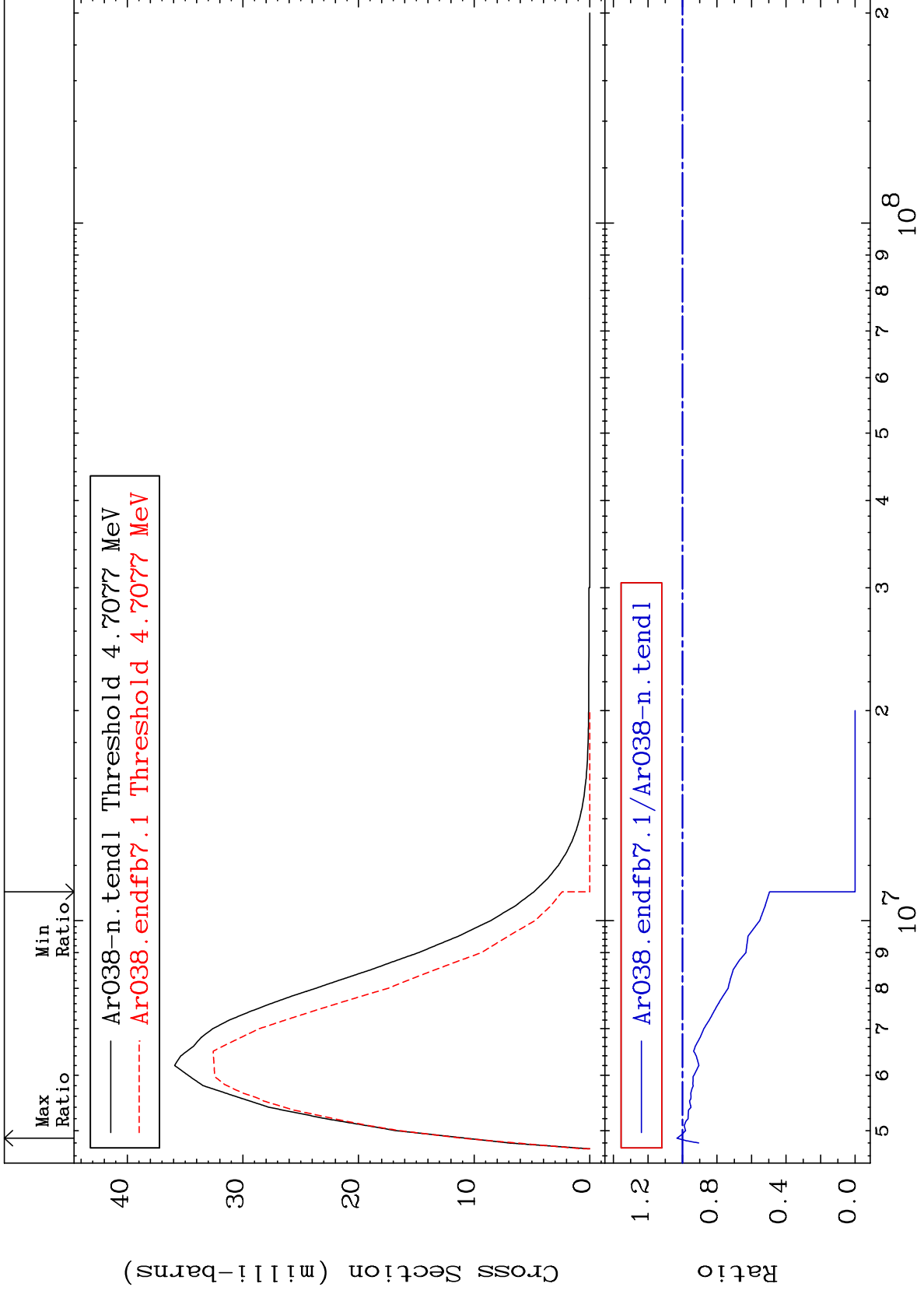
18-Ar-38

18-Ar-38

MAT 1831

4.586 MeV (n,n') Level
Cross Section

18-Ar-38
-100.0 To 3.221 %



13

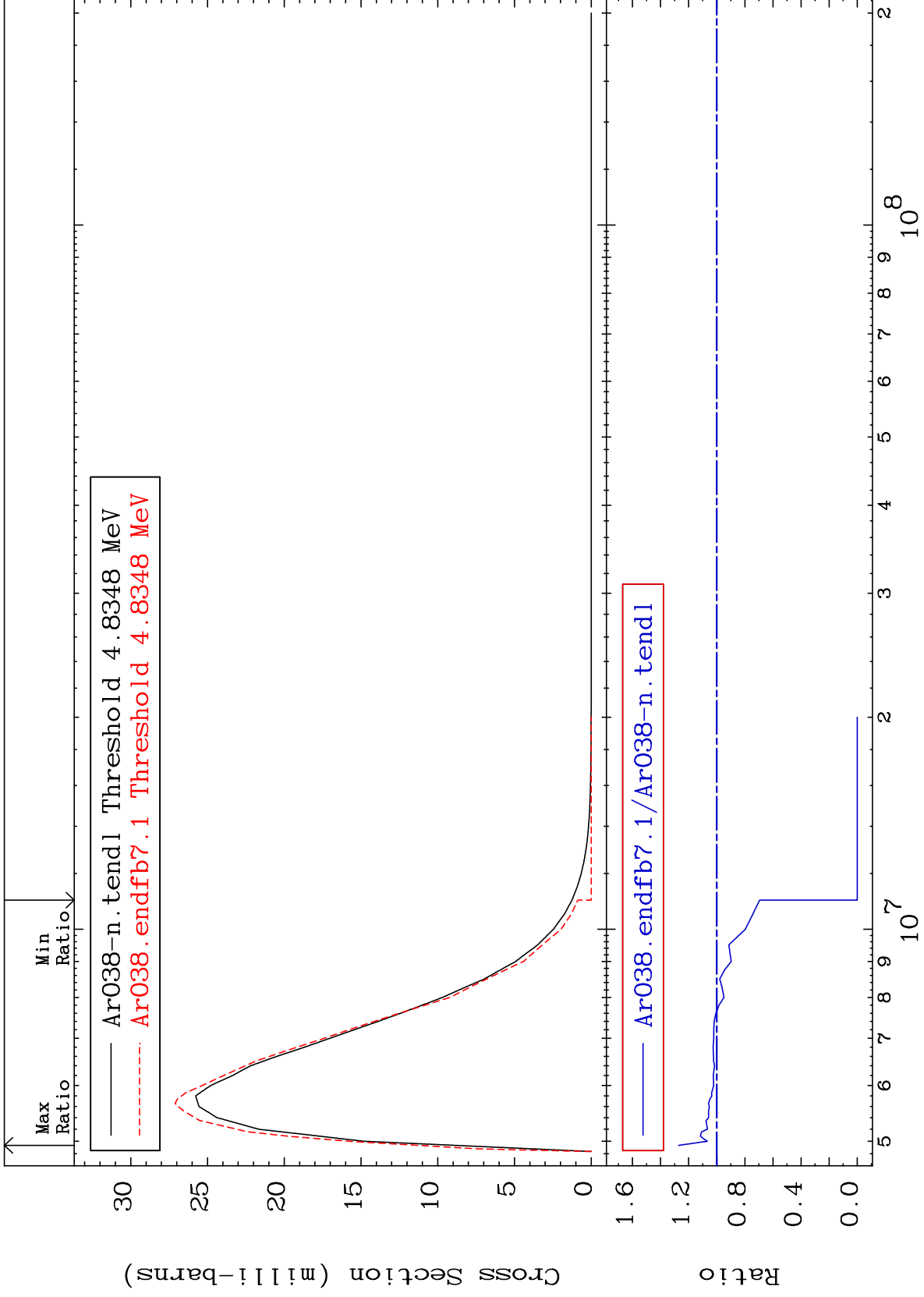
Incident Energy (eV)

18-Ar-38

MAT 1831

4.710 MeV (n,n') Level
Cross Section

18-Ar-38
-100.0 To 27.14 %



14

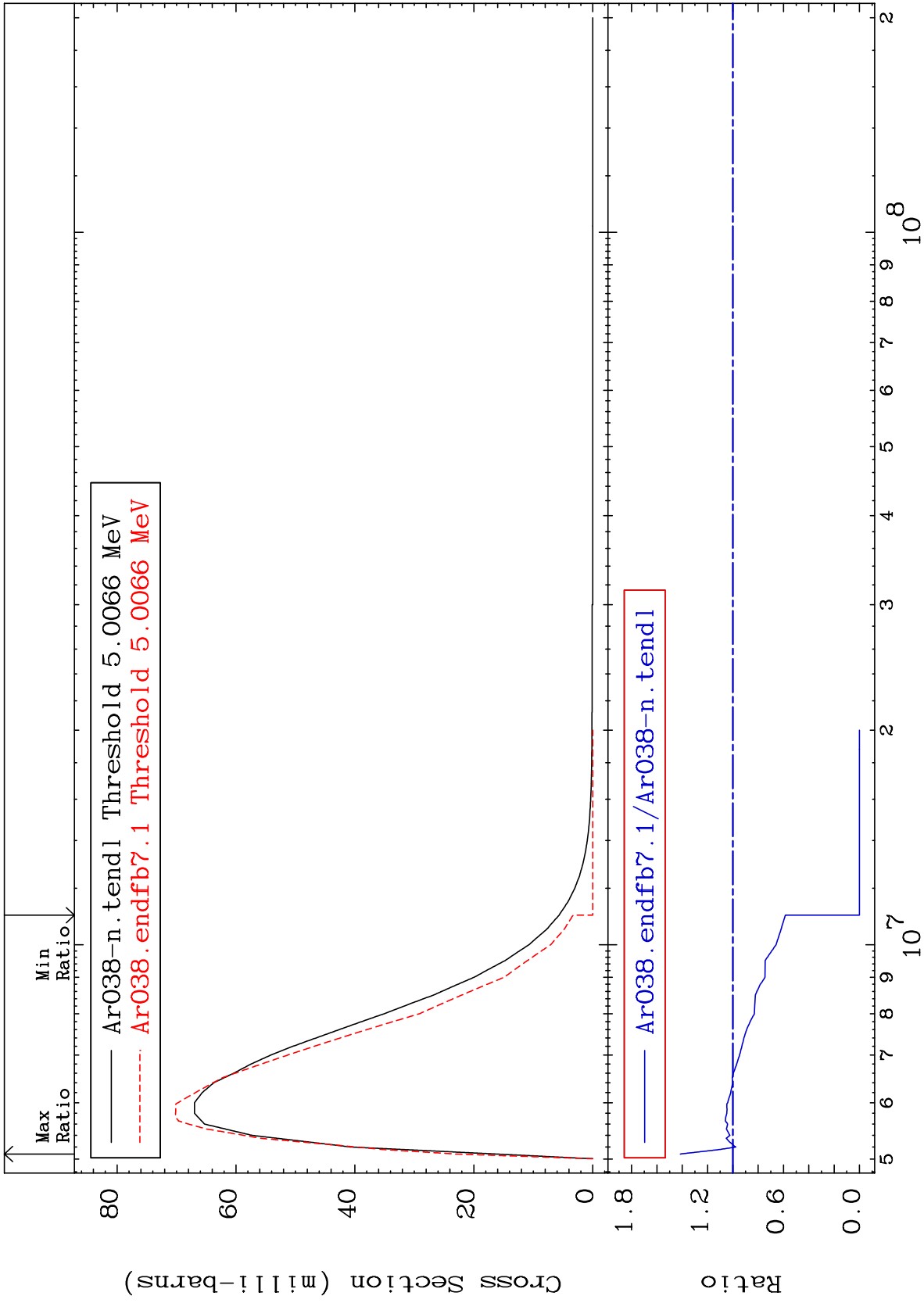
Incident Energy (eV)

18-Ar-38

MAT 1831

4.877 MeV (n,n') Level
Cross Section

18-Ar-38
-100.0 To 41.49 %



15

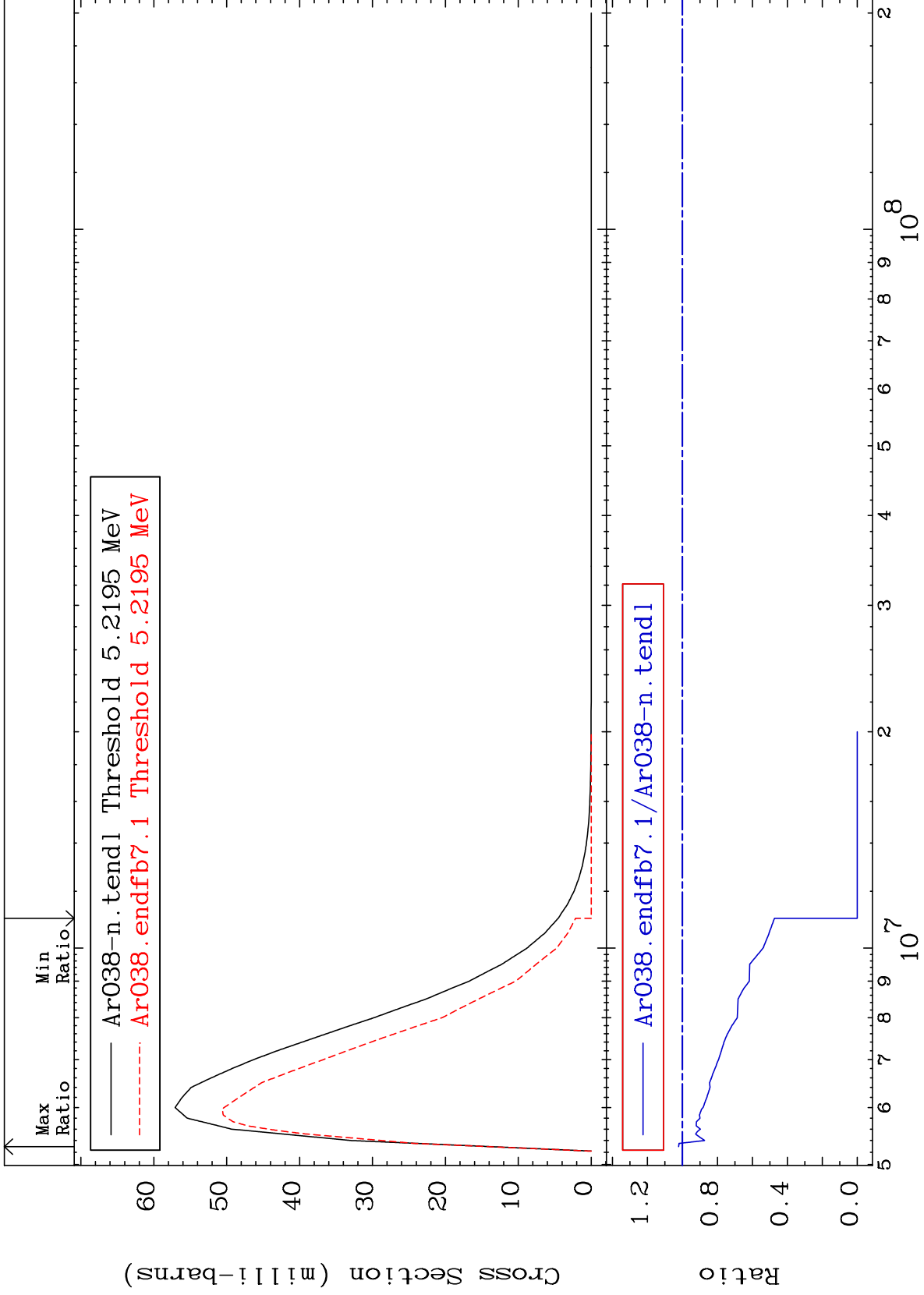
18-Ar-38

18-Ar-38

MAT 1831

5.084 MeV (n,n') Level
Cross Section

18-Ar-38
-100.0 To 2.169 %



16

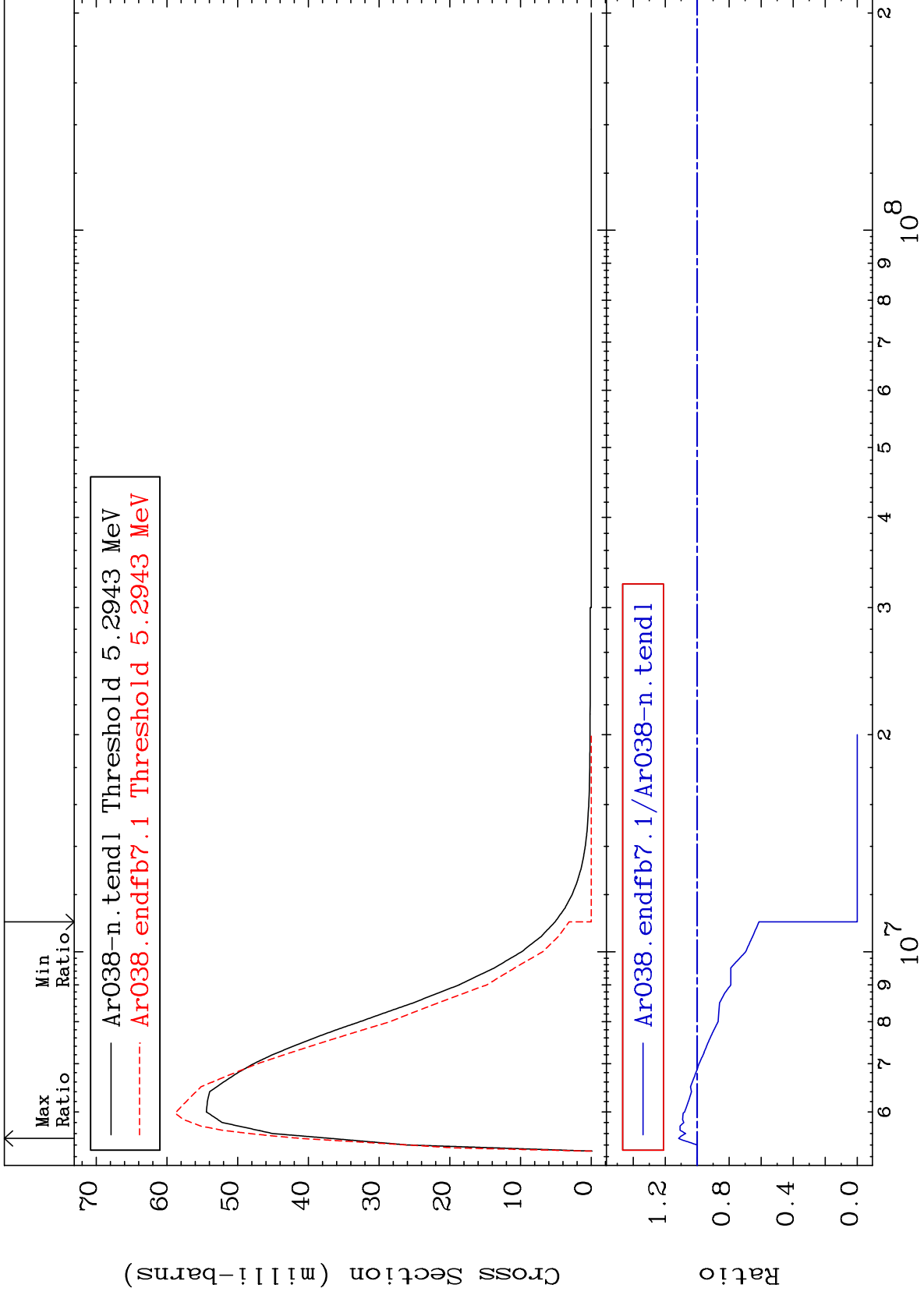
Incident Energy (eV)

18-Ar-38

MAT 1831

5.157 MeV (n,n') Level
Cross Section

18-Ar-38
-100.0 To 11.59 %



17

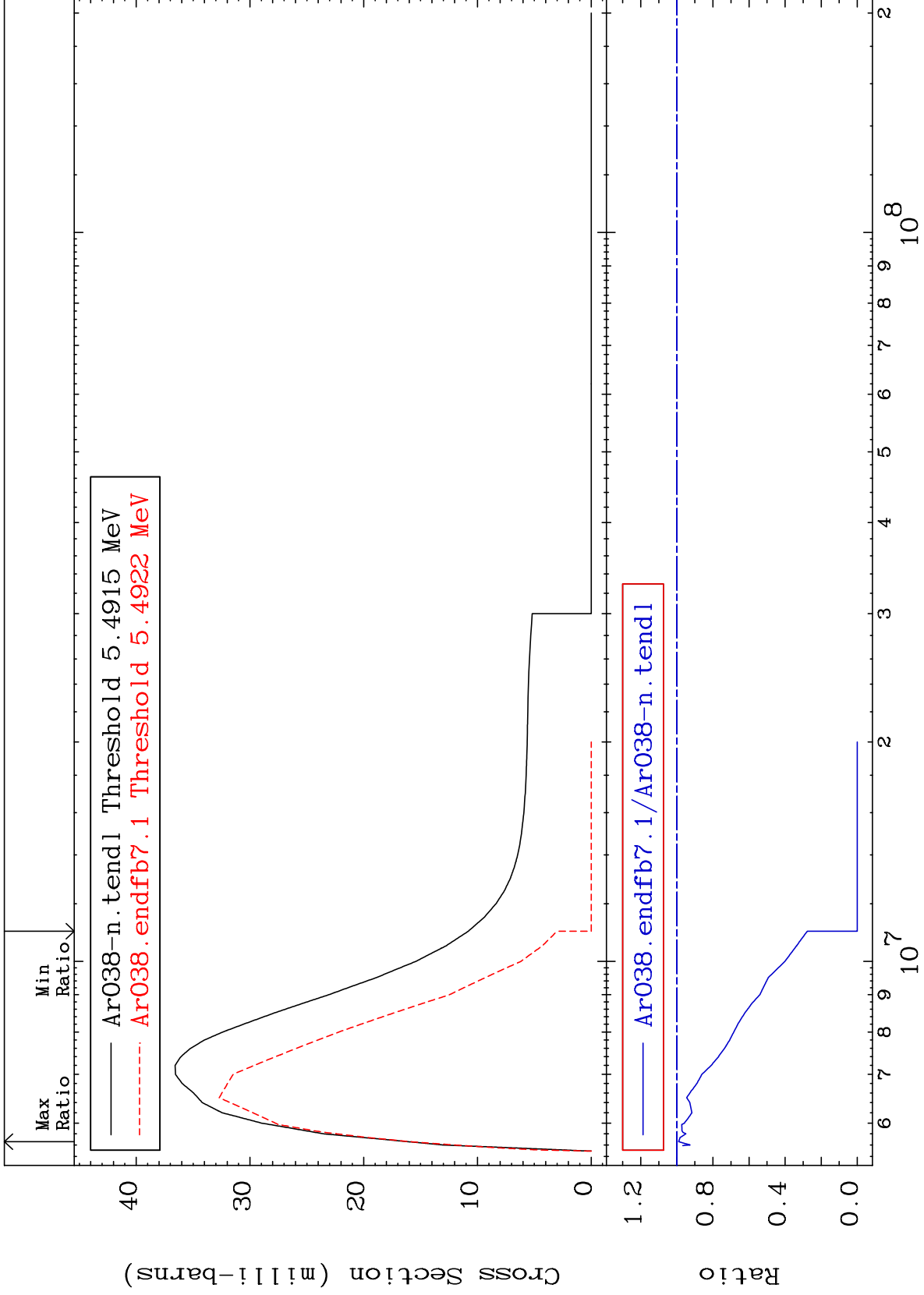
18-Ar-38

18-Ar-38

MAT 1831

5.349 MeV (n,n') Level
Cross Section

18-Ar-38
-100.0 To -0.991%



18

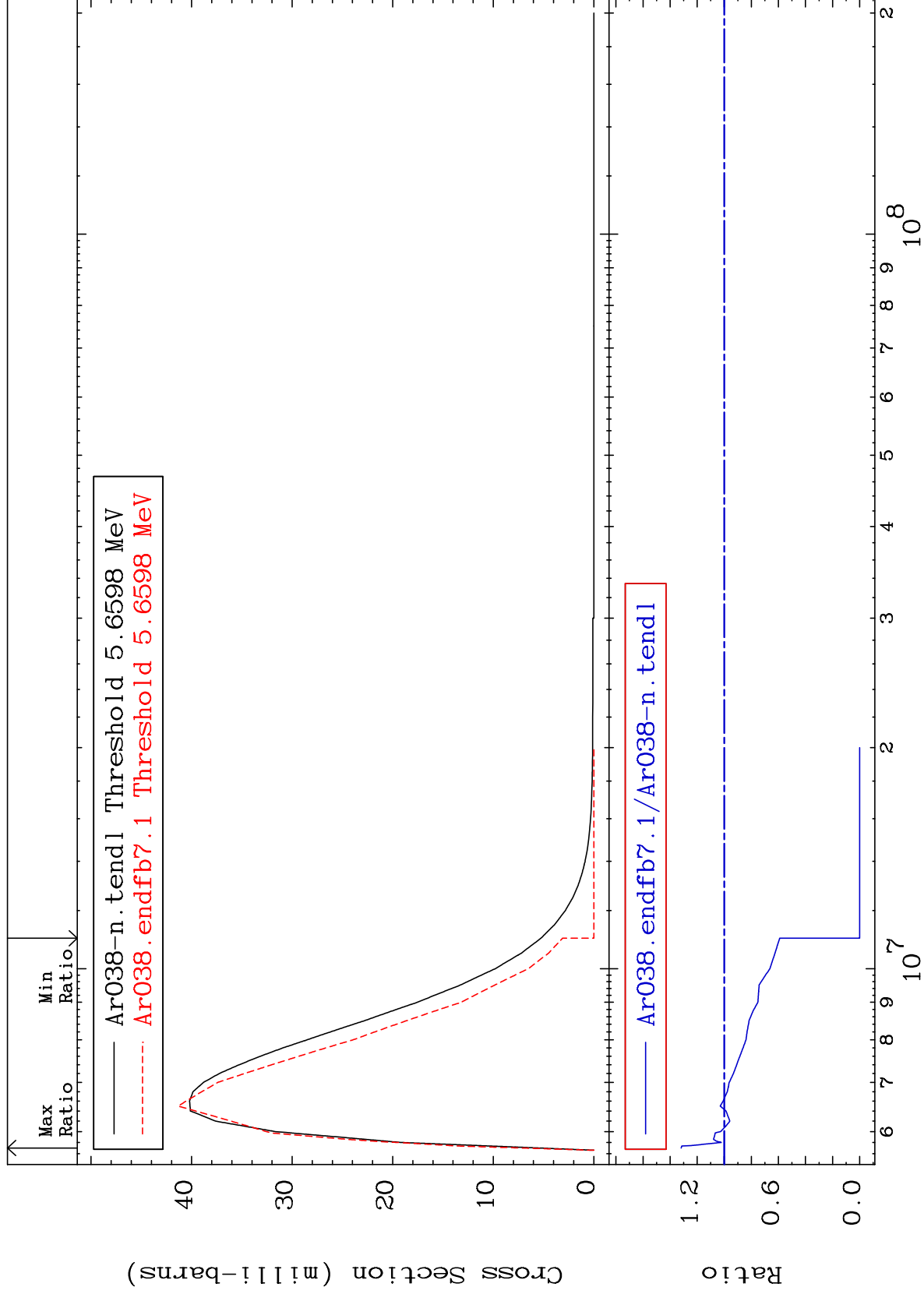
18-Ar-38

18-Ar-38

MAT 1831

5.513 MeV (n,n') Level
Cross Section

18-Ar-38
-100.0 To 31.81 %



19

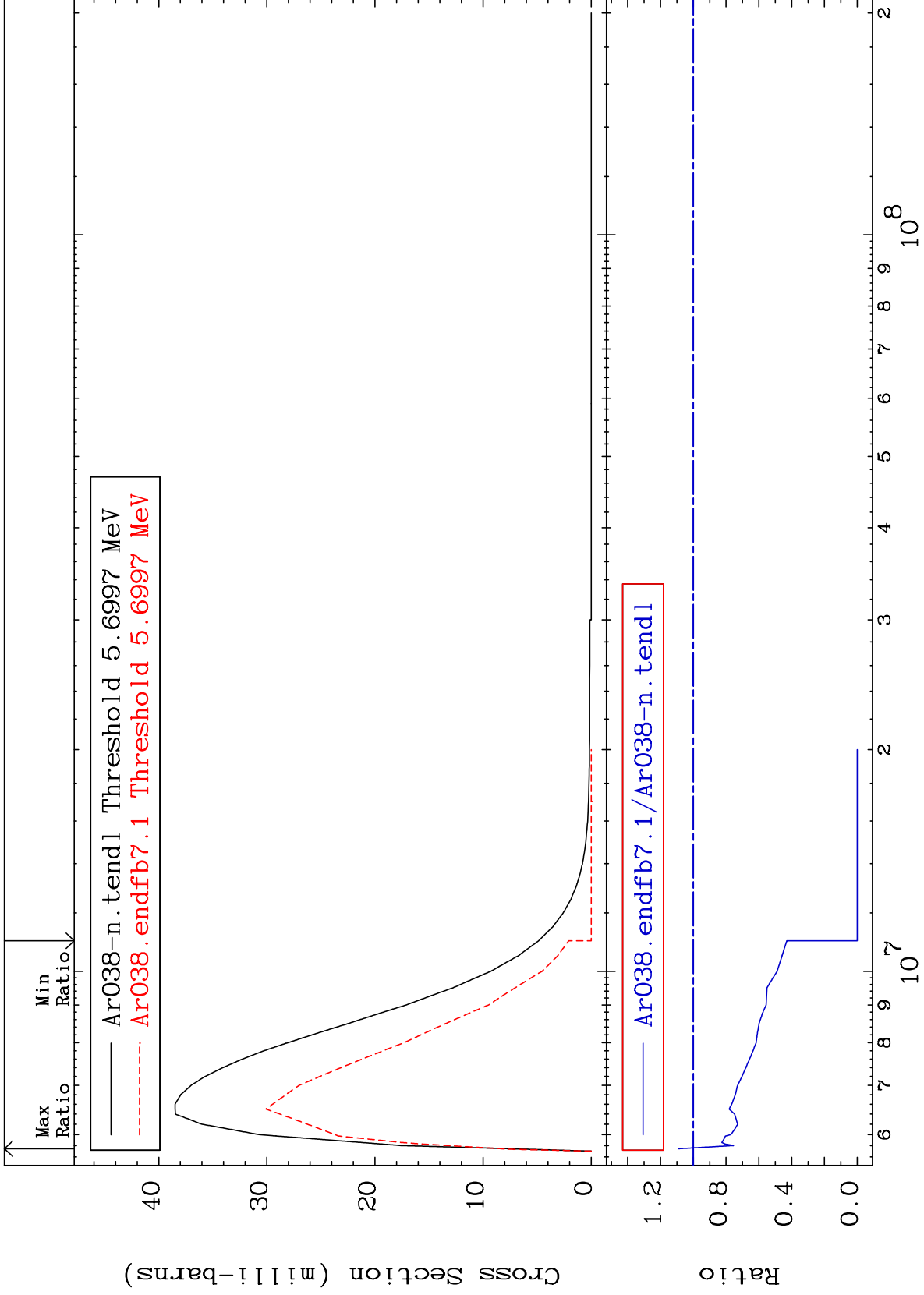
18-Ar-38

18-Ar-38

MAT 1831

5.552 MeV (n,n') Level
Cross Section

18-Ar-38
-100.0 To 8.939 %



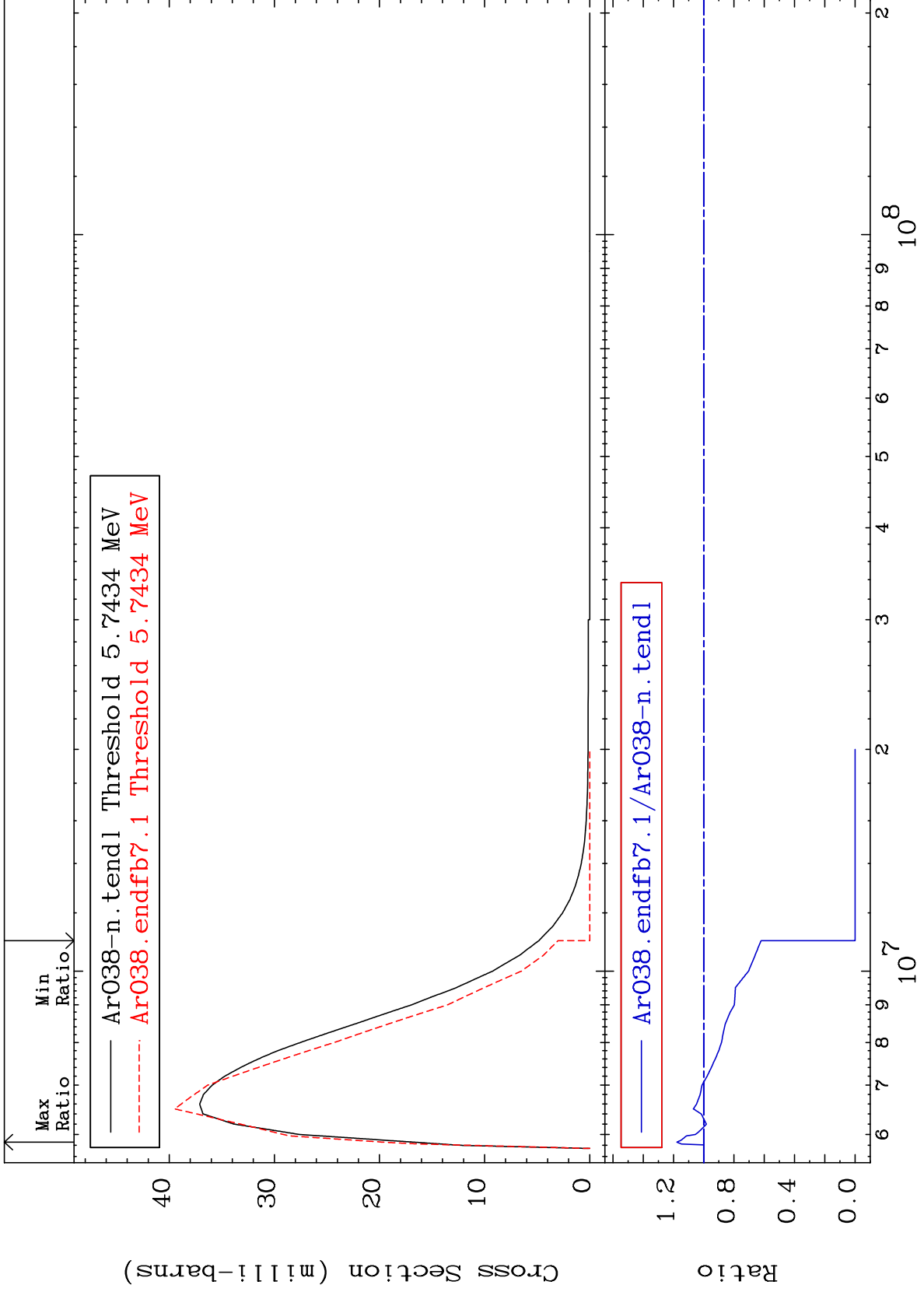
20

18-Ar-38

MAT 1831

5.595 MeV (n,n') Level
Cross Section

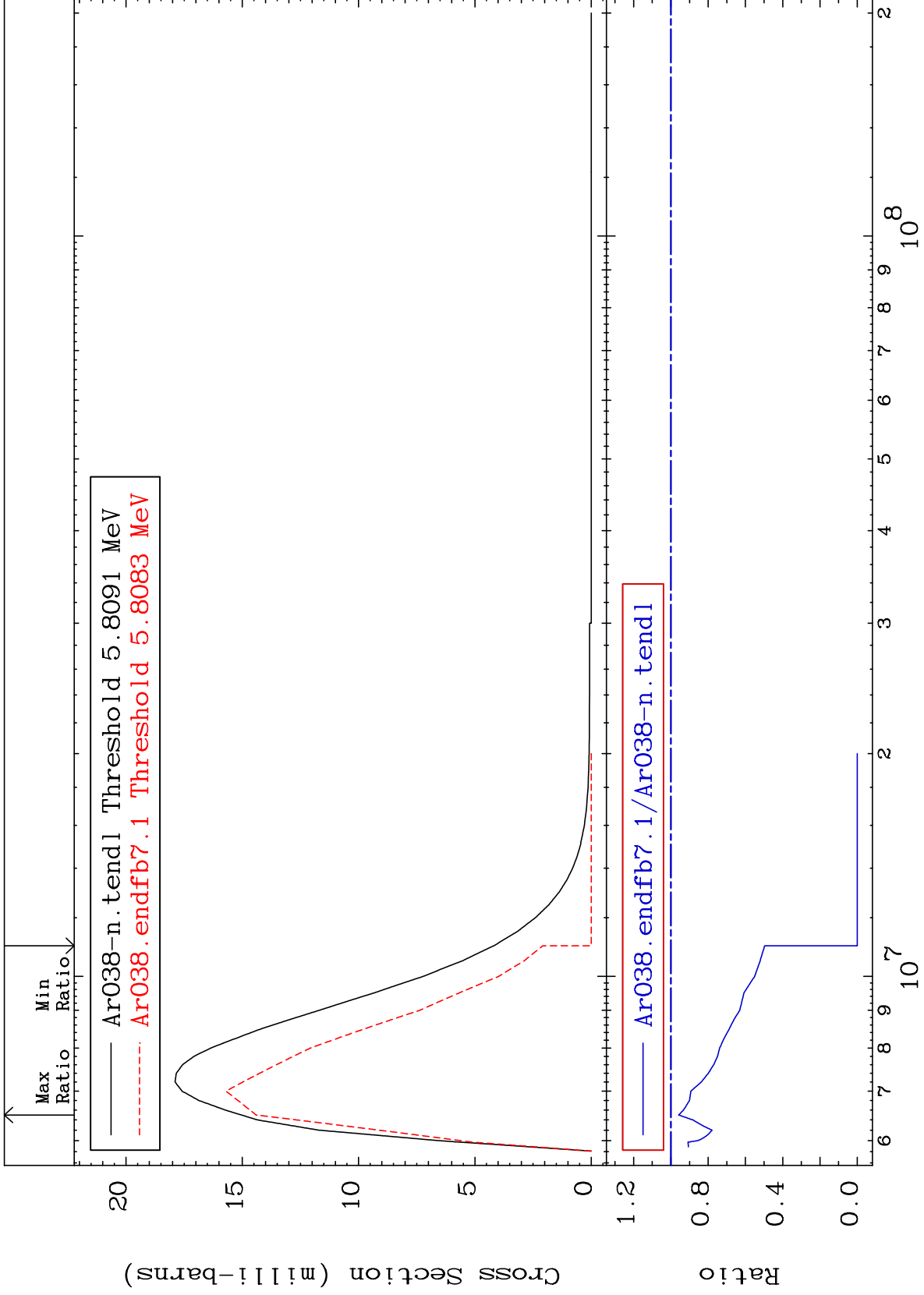
18-Ar-38
-100.0 To 17.72 %



MAT 1831

5.659 MeV (n,n') Level
Cross Section

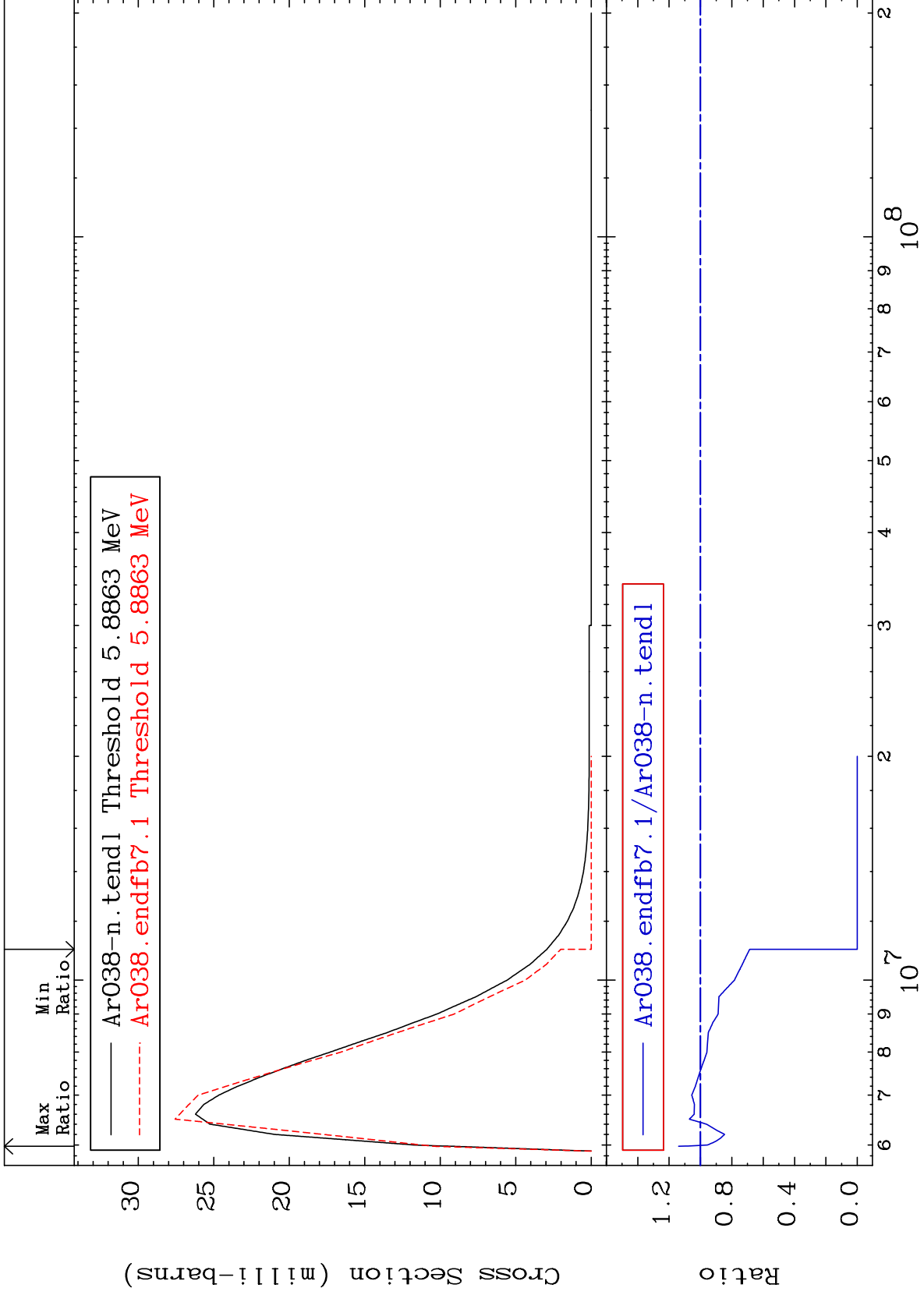
18-Ar-38
-100.0 To -4.166%



MAT 1831

5.734 MeV (n,n') Level
Cross Section

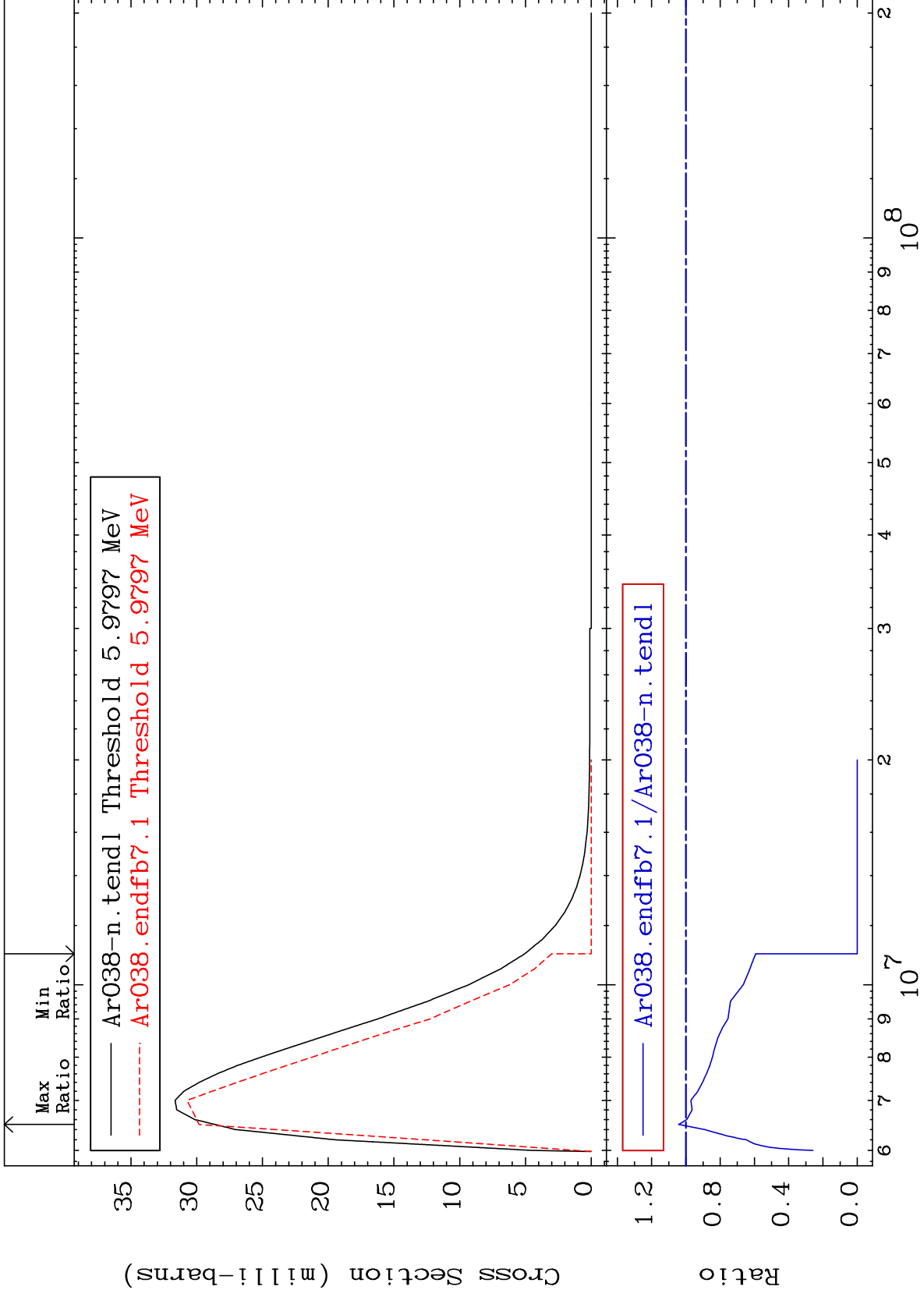
18-Ar-38
-100.0 To 13.93 %



MAT 1831

5.825 MeV (n,n') Level
Cross Section

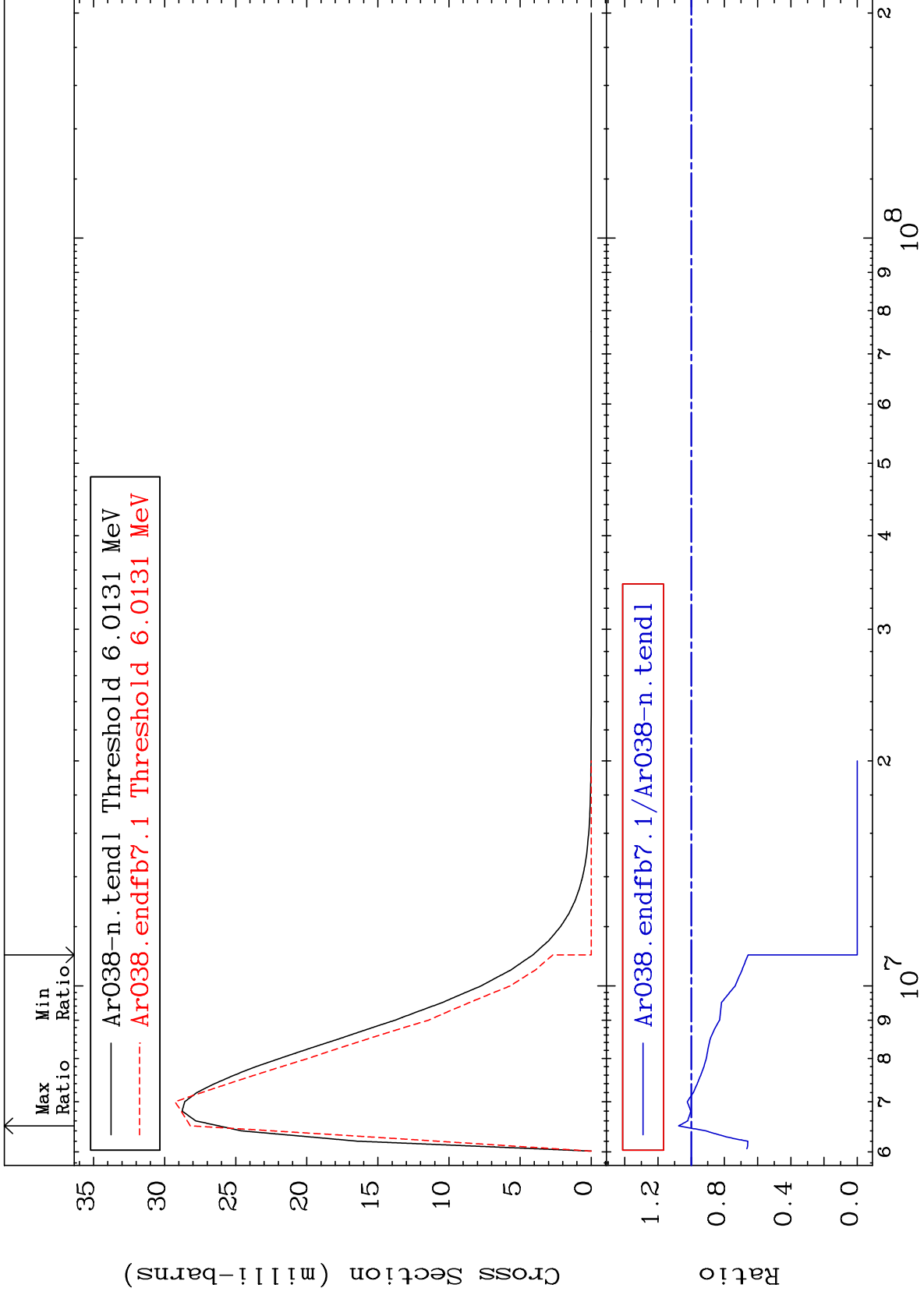
18-Ar-38
-100.0 To 4.246 %



MAT 1831

5.858 MeV (n,n') Level
Cross Section

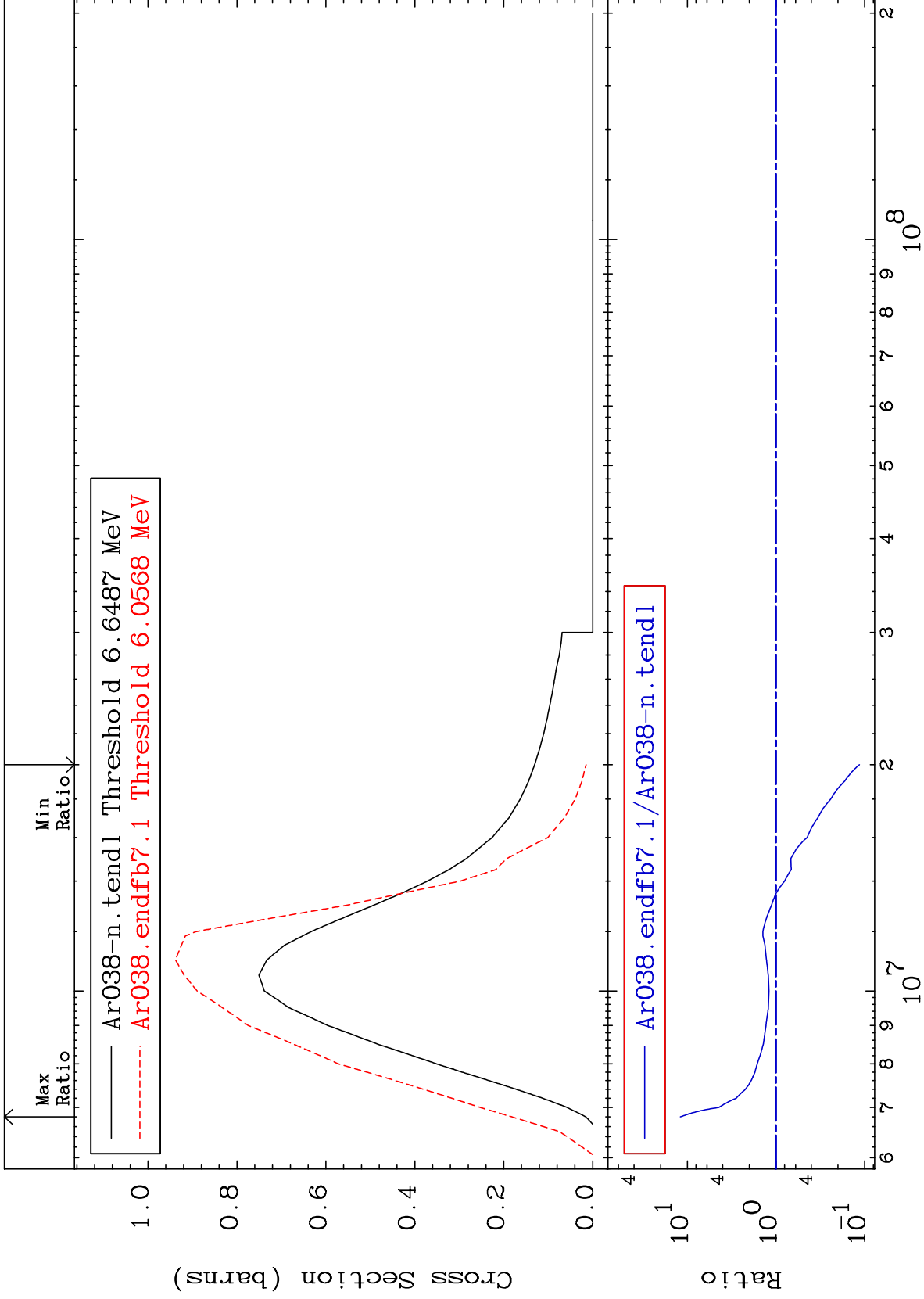
18-Ar-38
-100.0 To 7.568 %



25

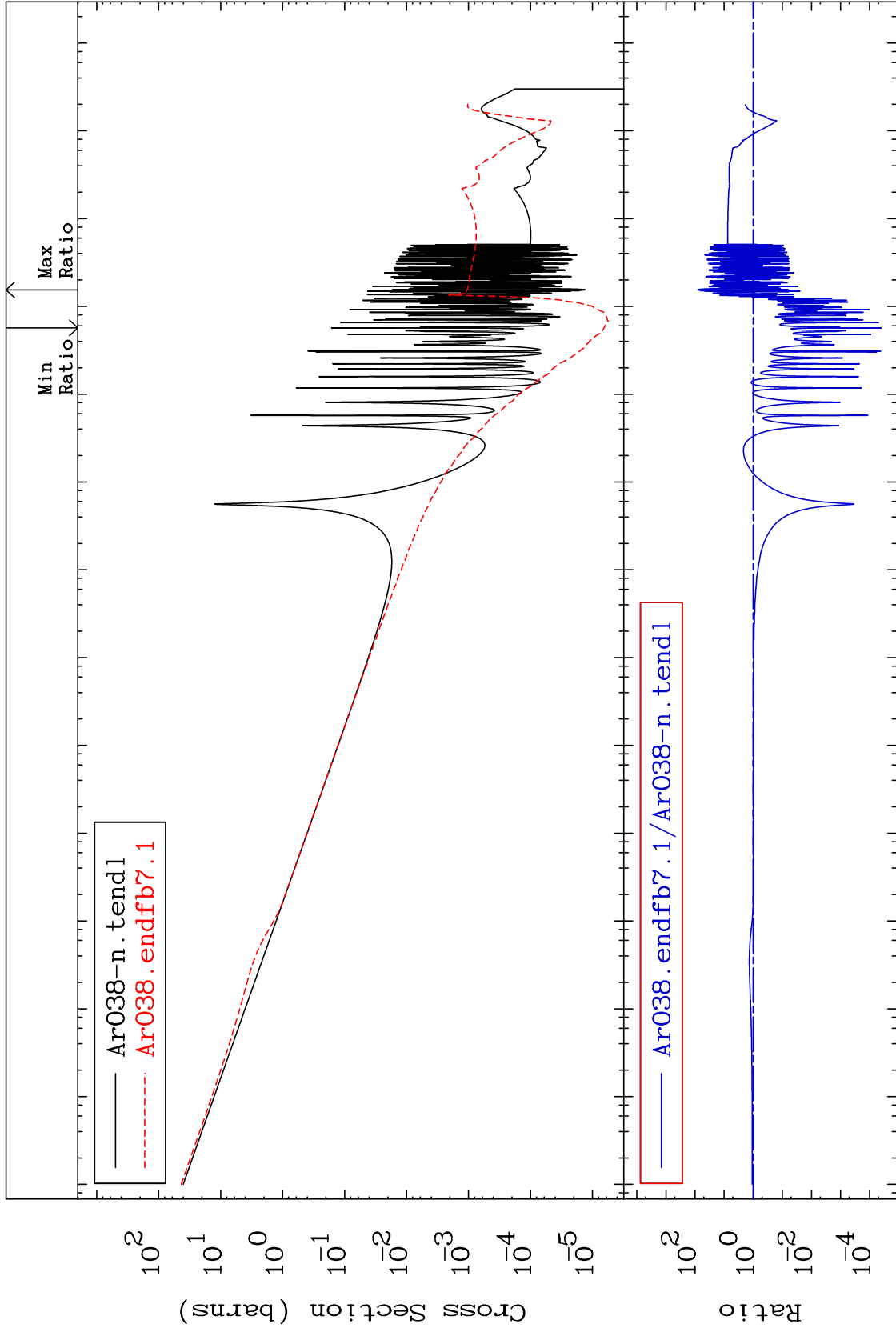
18-Ar-38

18-Ar-38



Cross Section

-100.0 To 7900. %



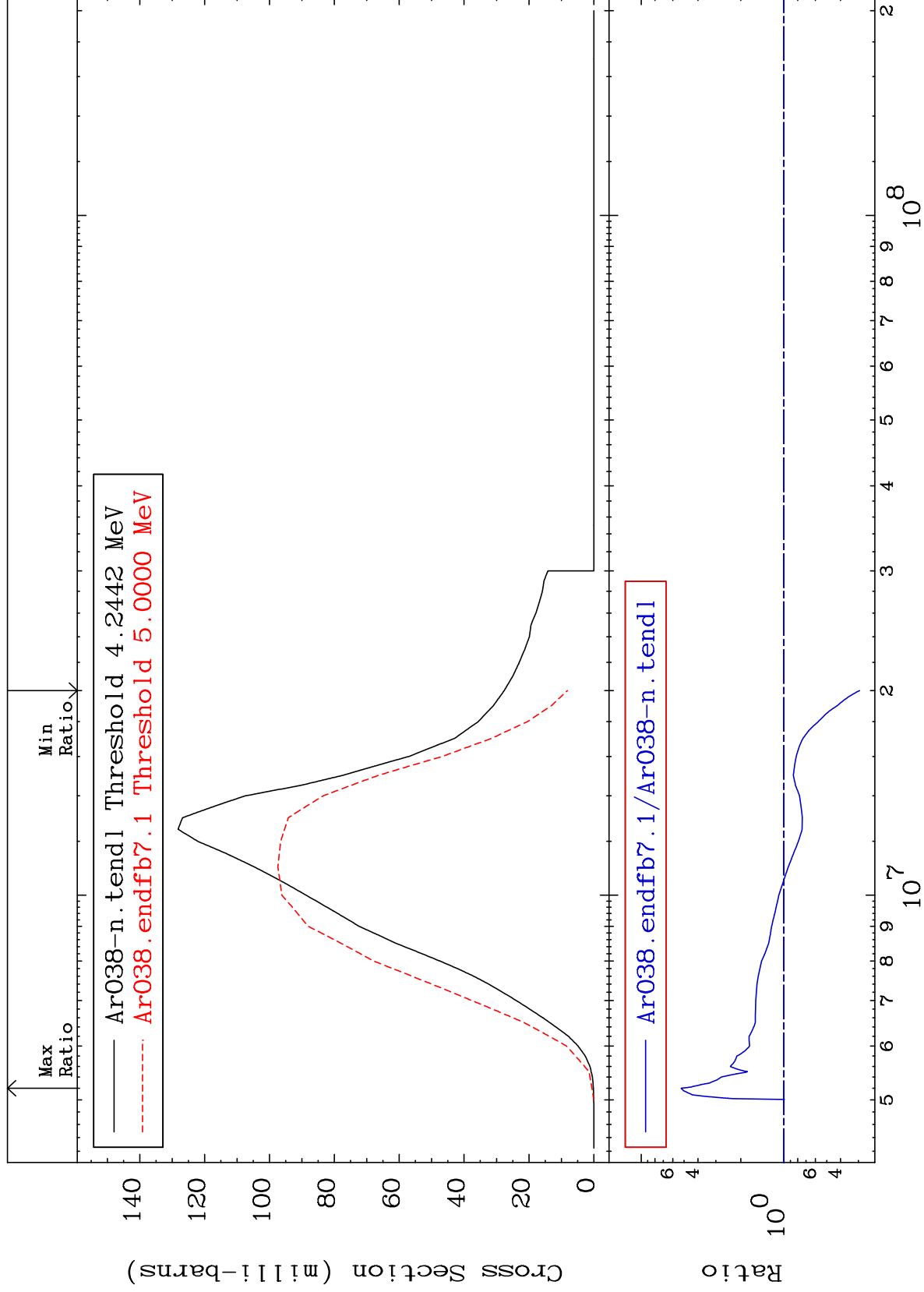
MAT 1831

(n,p)

18-Ar-38

Cross Section

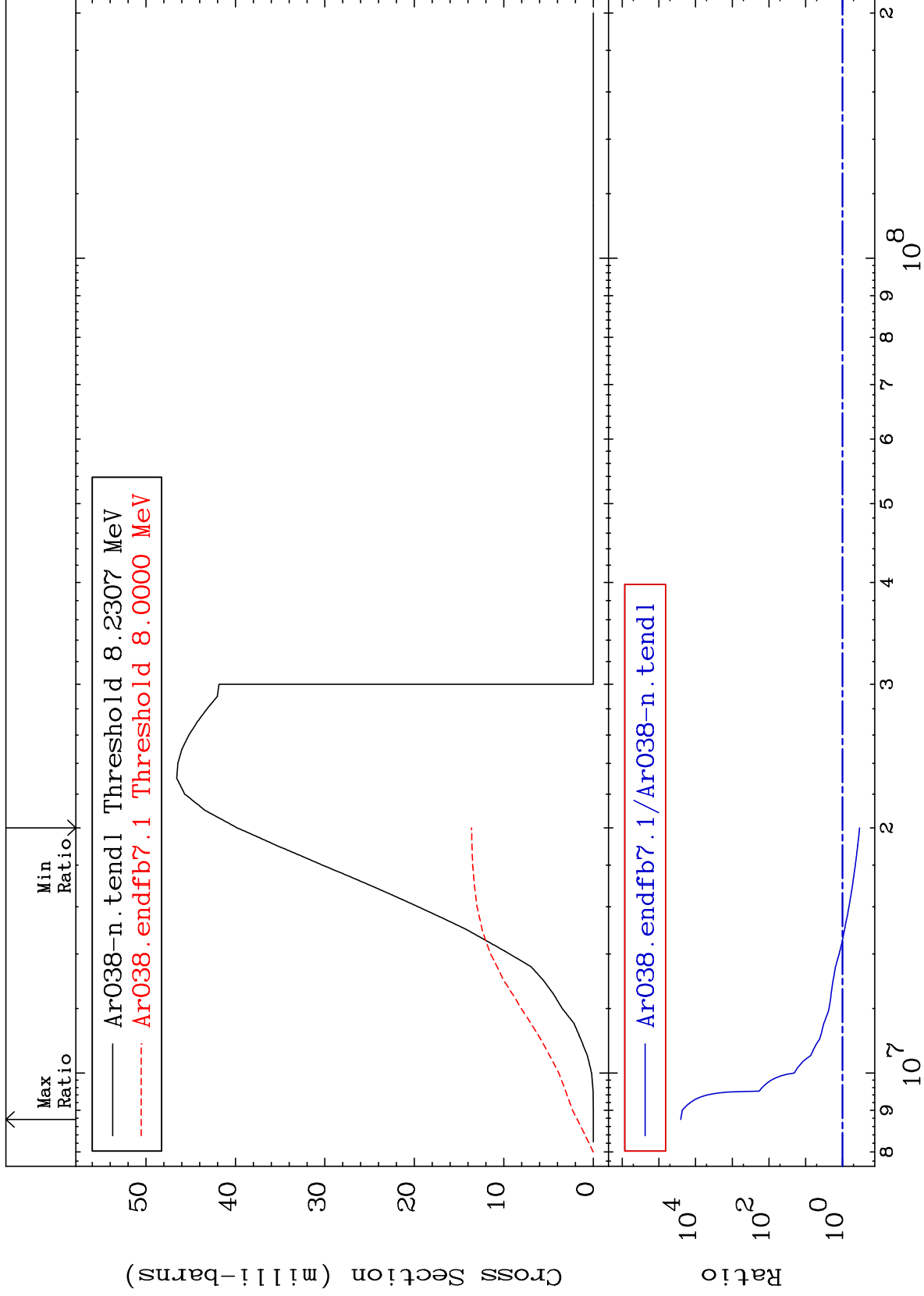
-70.58 To 424.1 %



28

Incident Energy (eV)

18-Ar-38



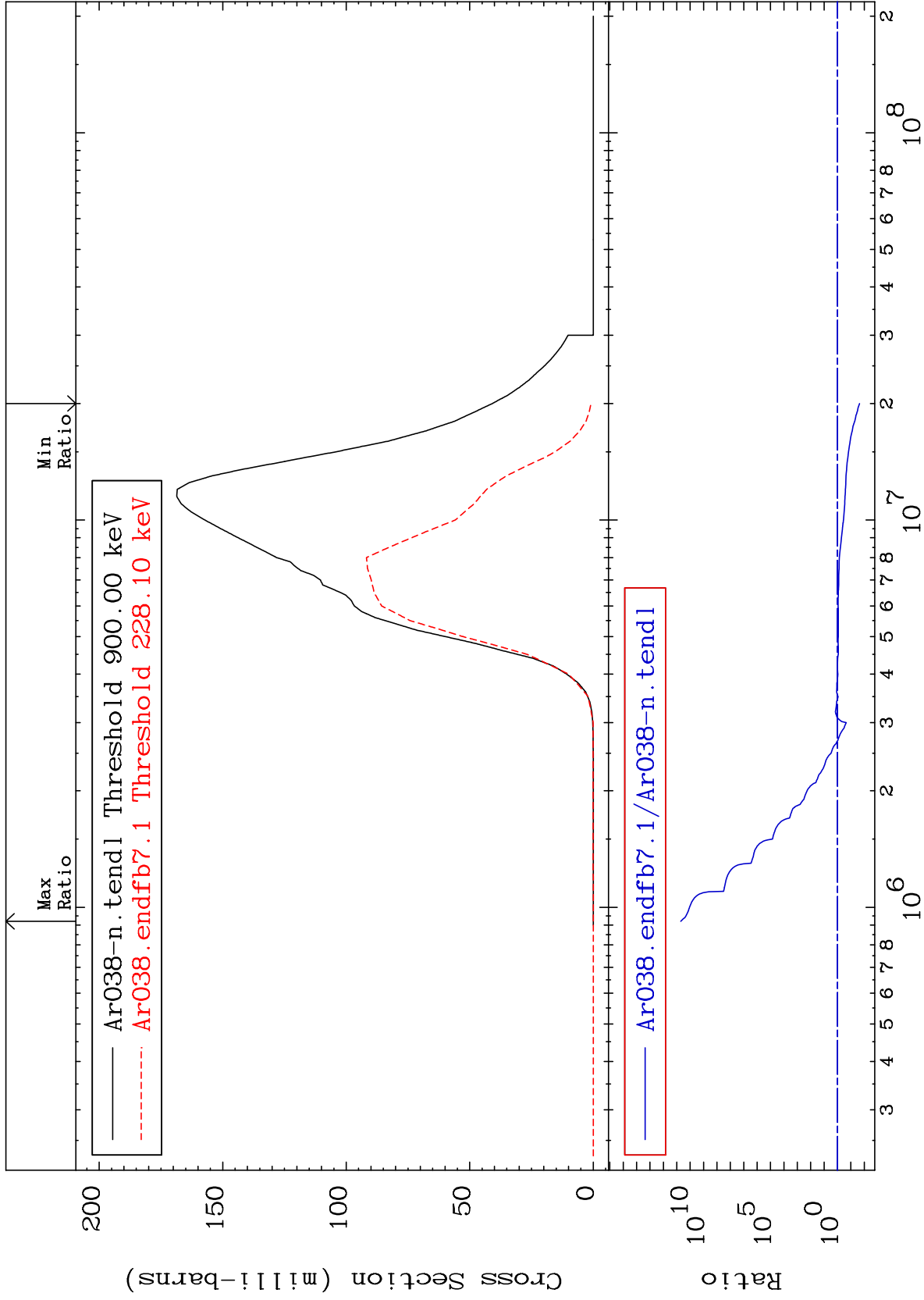
MAT 1831

(n, α)

18-Ar-38

Cross Section

-97.75 To 9999. %



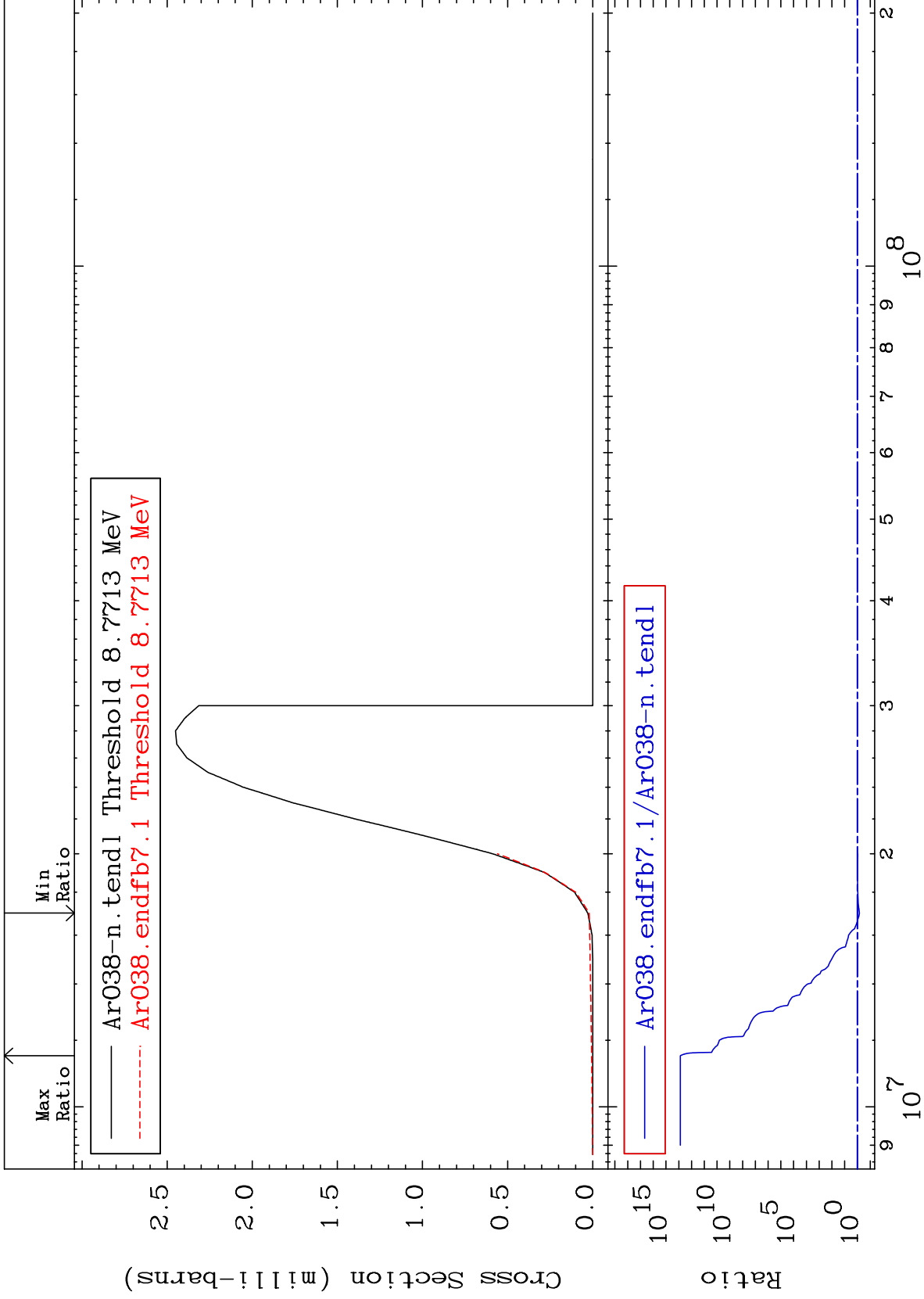
30

18-Ar-38

18-Ar-38

Cross Section

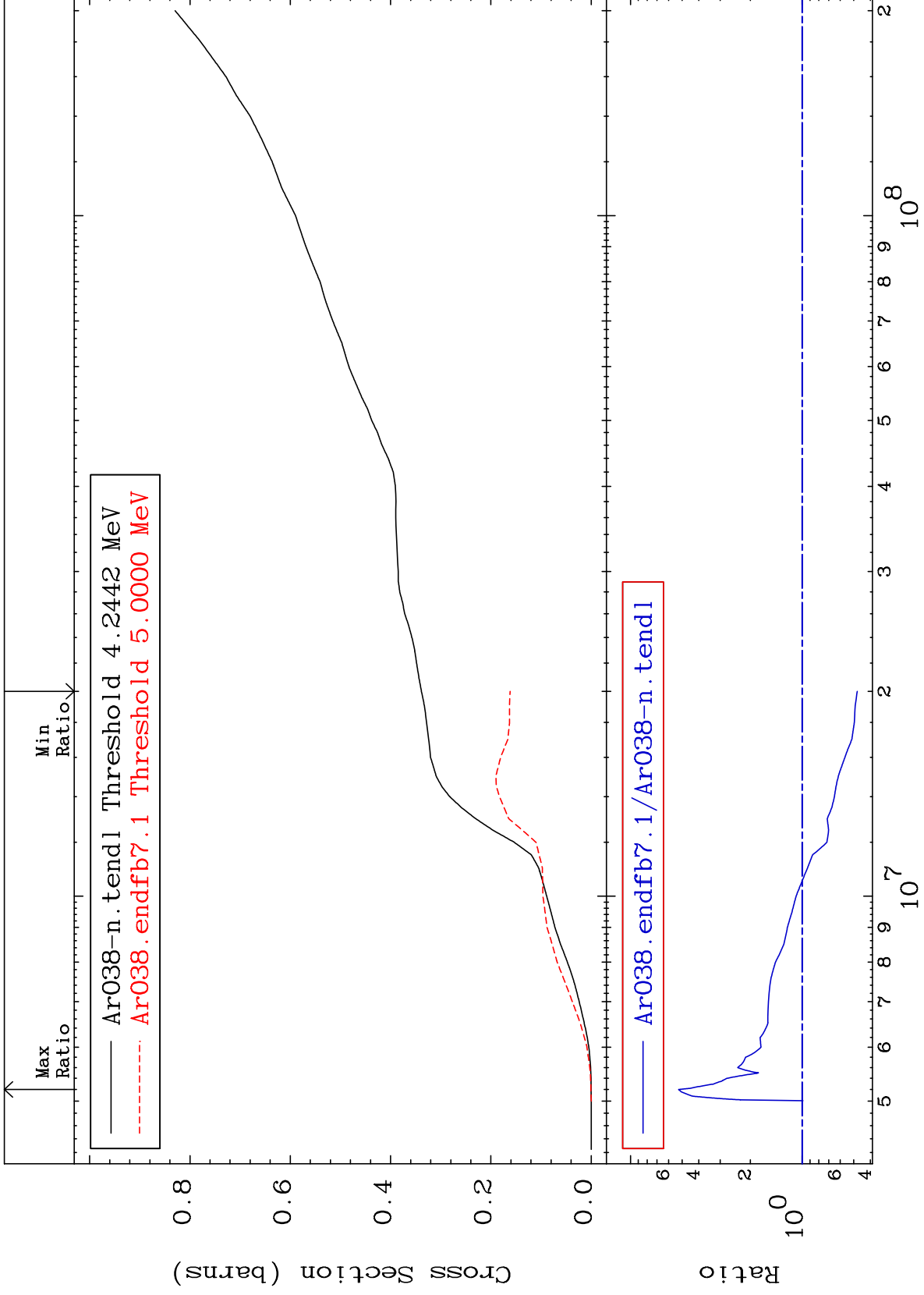
-30.27 To 9999. %



MAT 1831

Hydrogen Production
Cross Section

18-Ar-38
-52.29 To 424.1 %



32

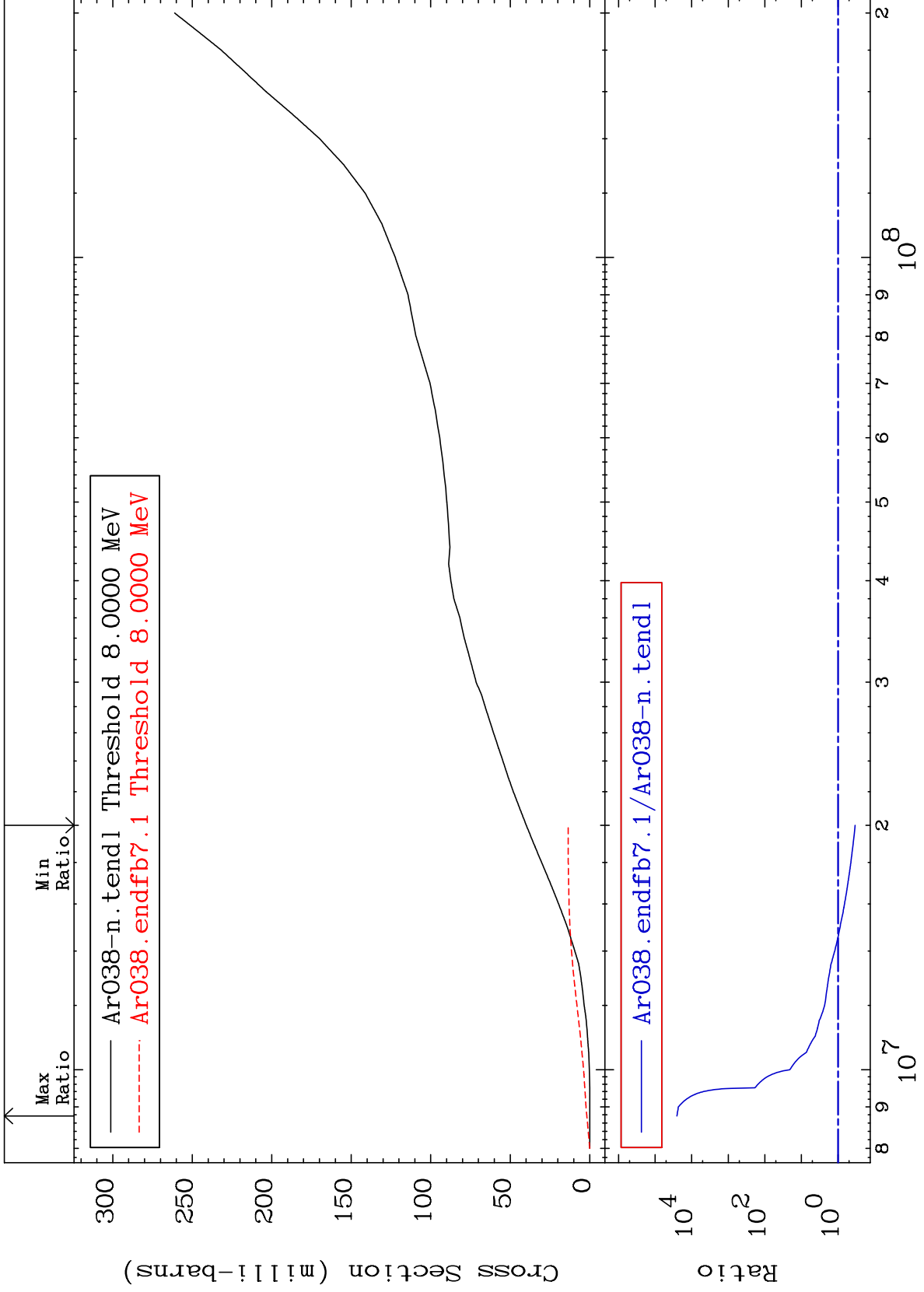
Incident Energy (eV)

18-Ar-38

MAT 1831

Deuterium Production
Cross Section

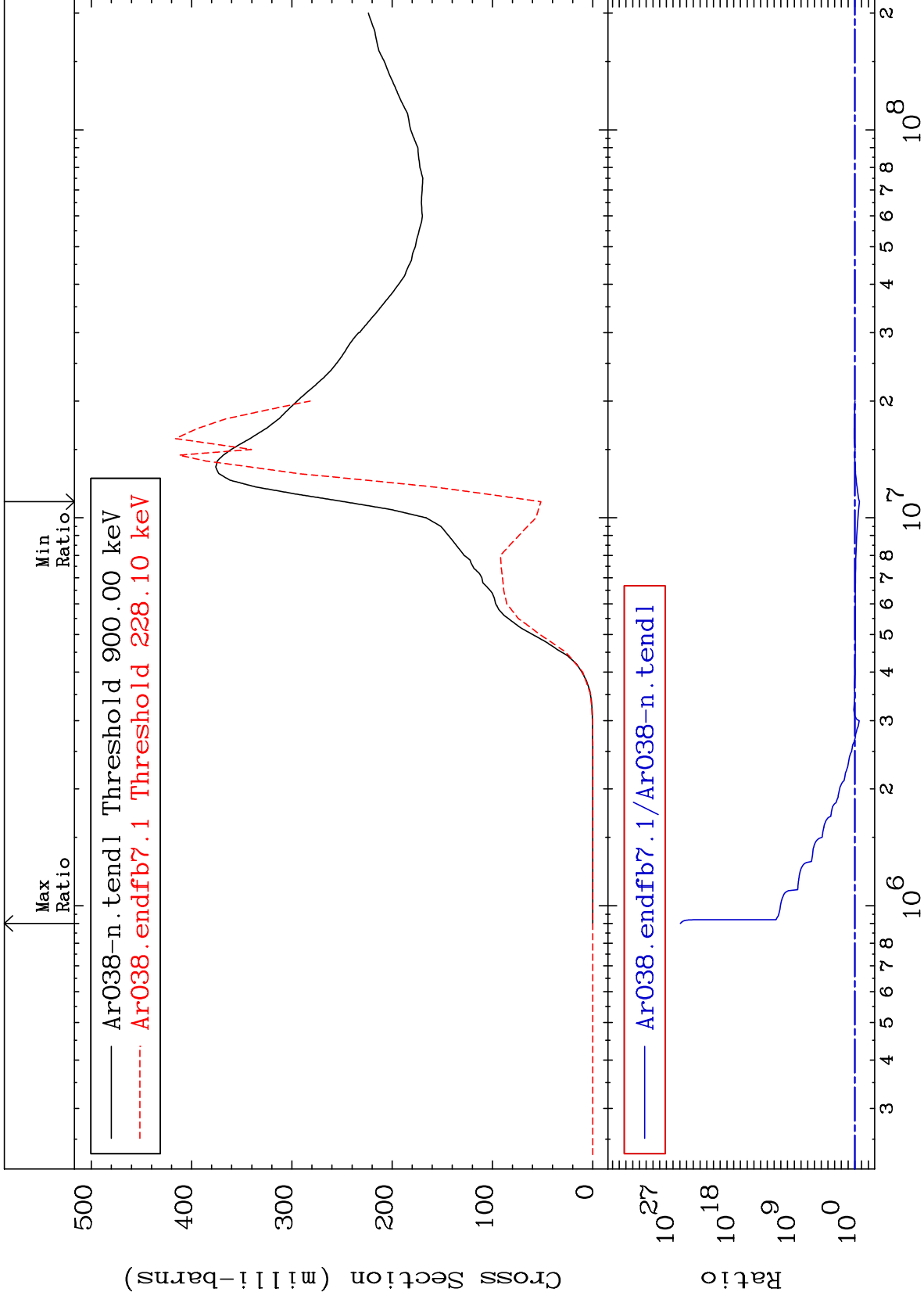
18-Ar-38
-65.94 To 9999. %



MAT 1831

He-4 Production
Cross Section

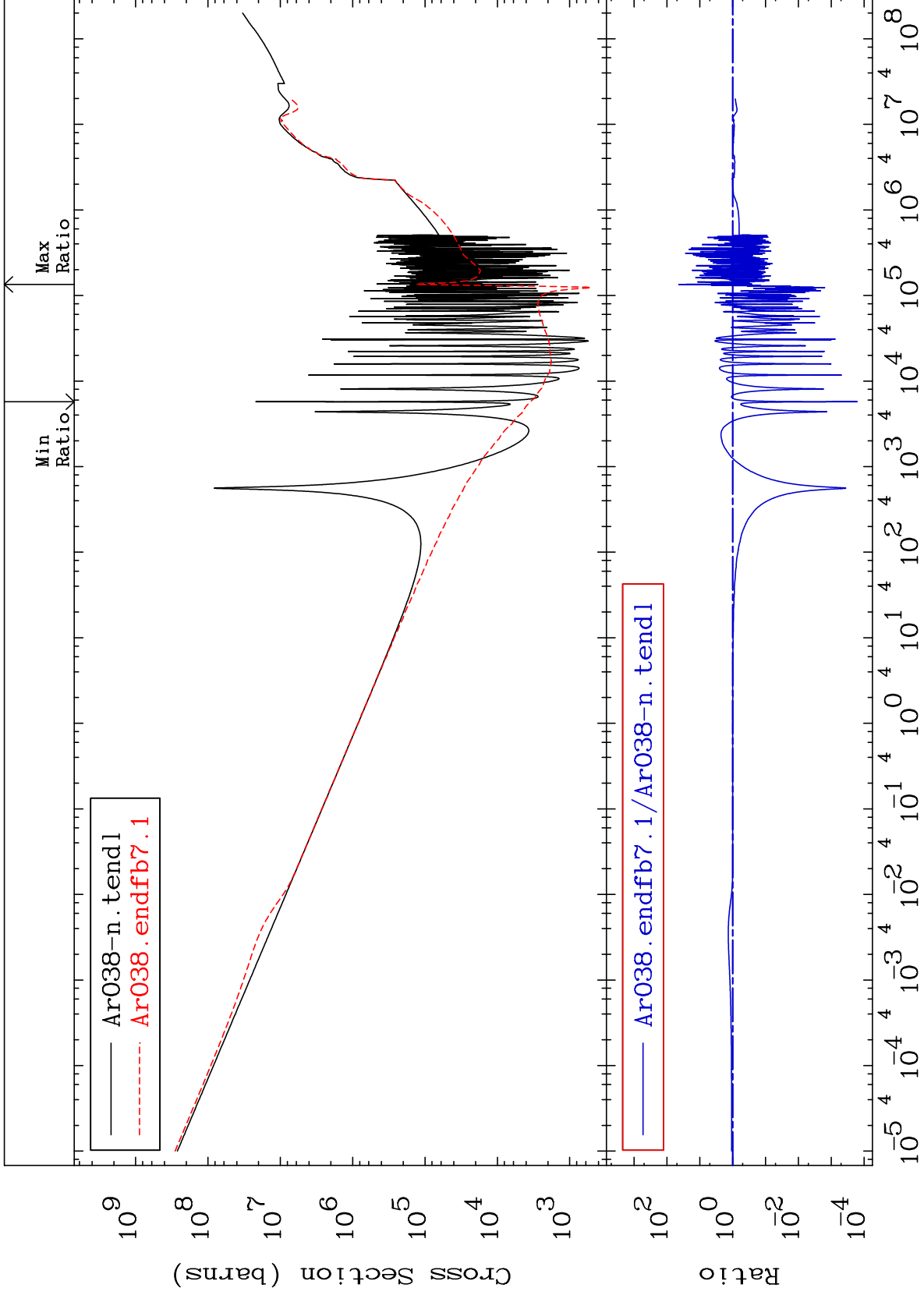
18-Ar-38
-79.14 To 9999. %



34

Incident Energy (eV)

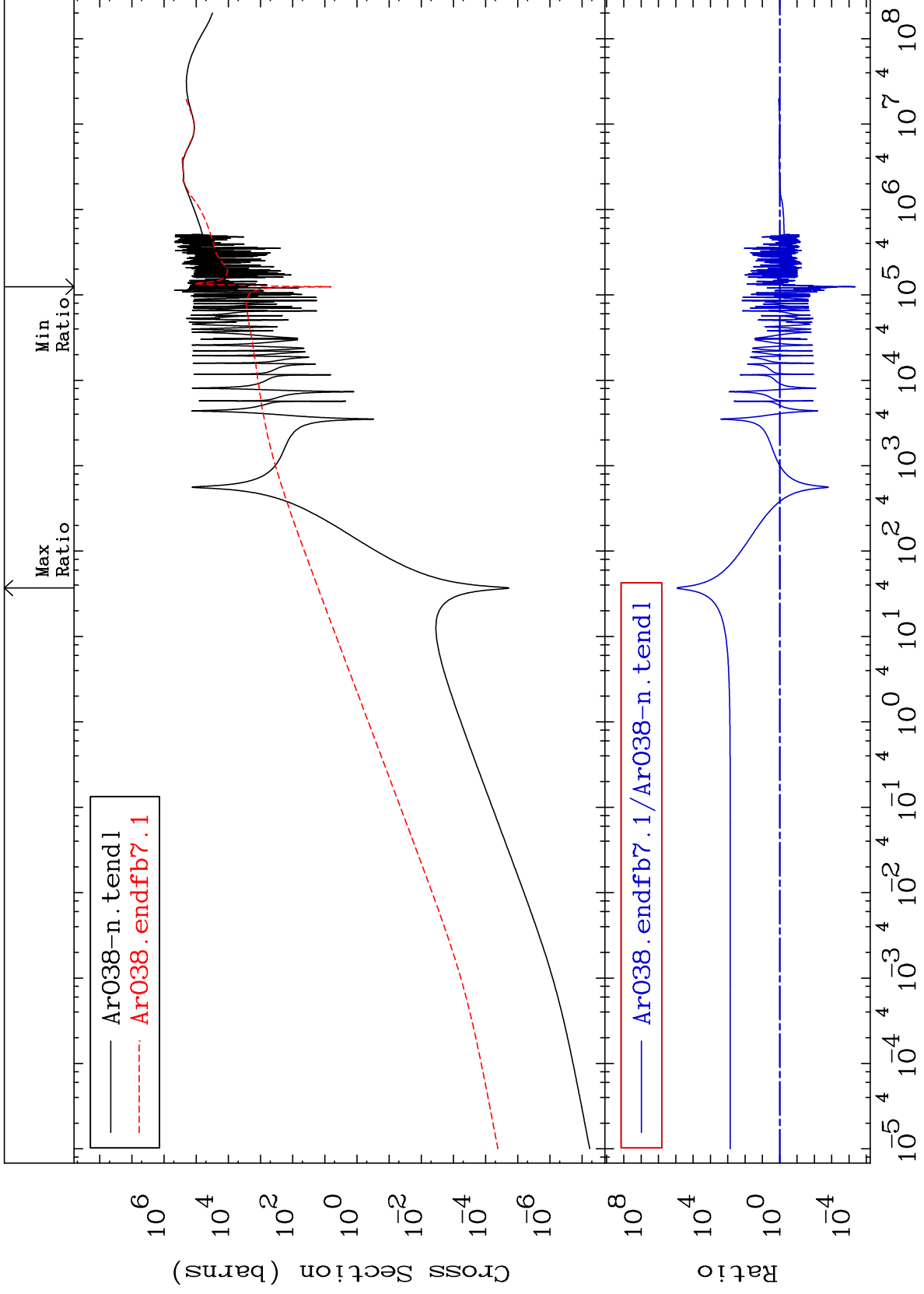
18-Ar-38

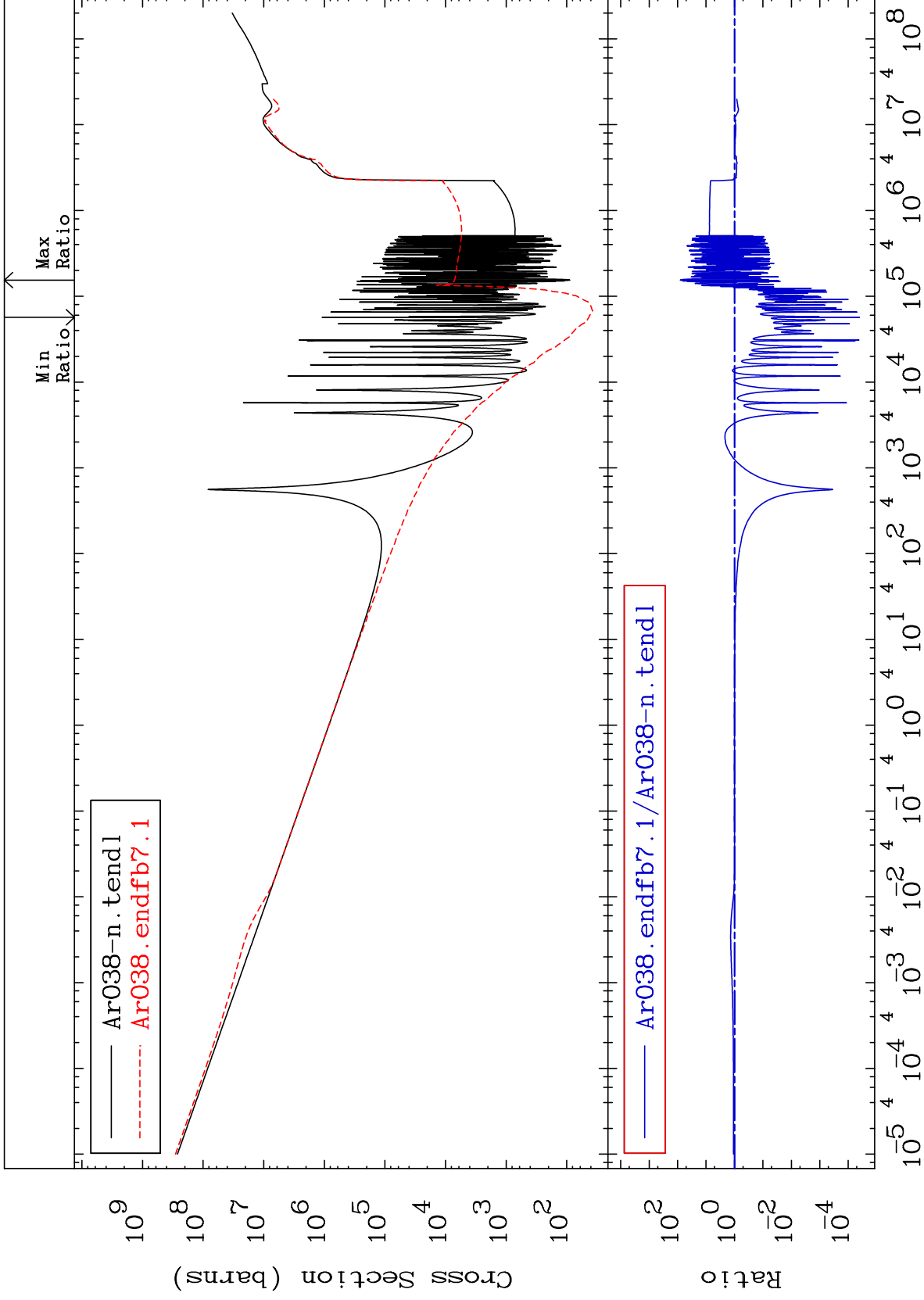


MAT 1831

Kerma elastic
Cross Section

18-Ar-38
-100.0 To 9999. %

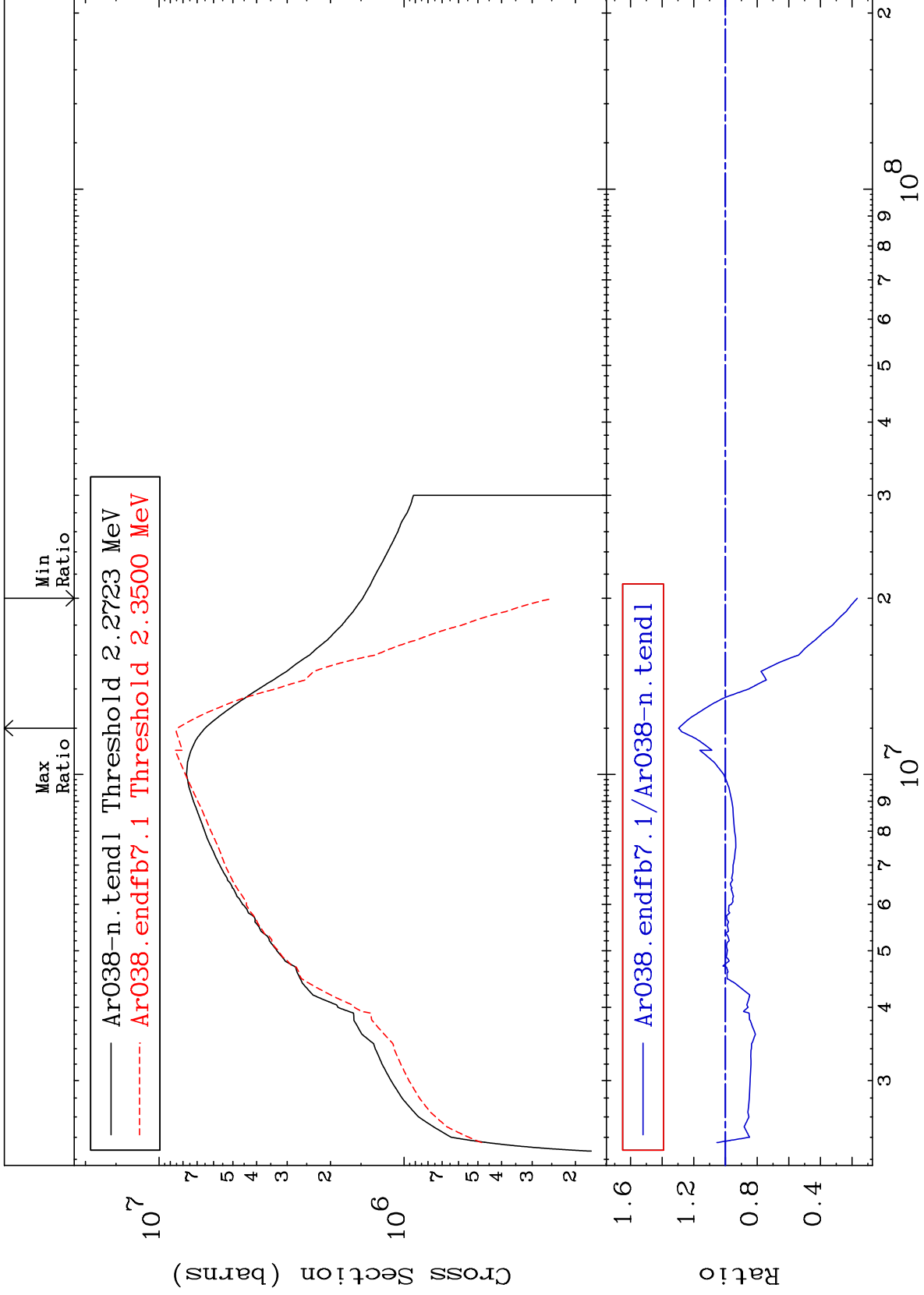




MAT 1831

Kerma inelastic (mt51-91)
Cross Section

18-Ar-38
-83.27 To 29.59 %



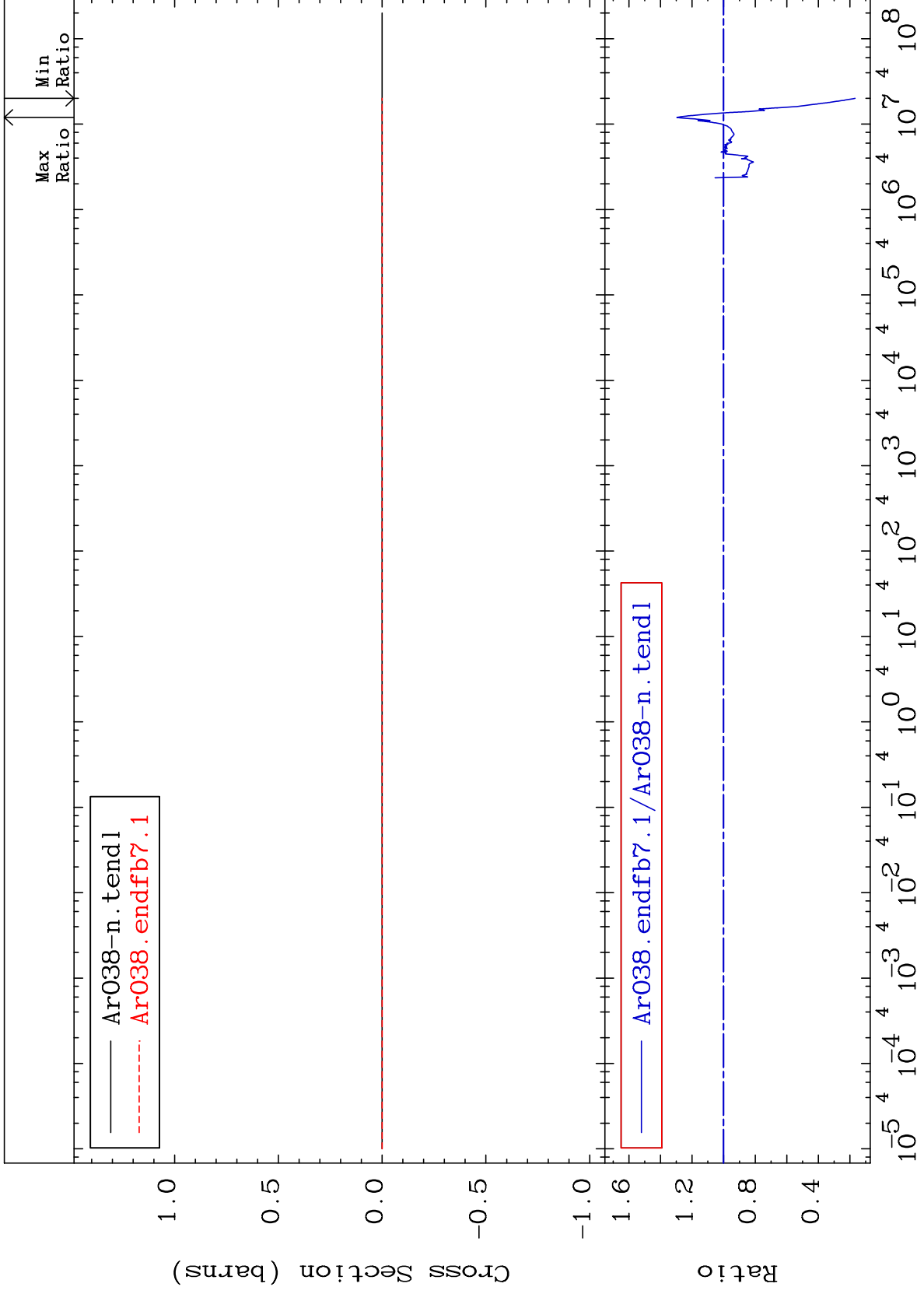
38

18-Ar-38

MAT 1831

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

18-Ar-38
-83.27 To 29.59 %



39

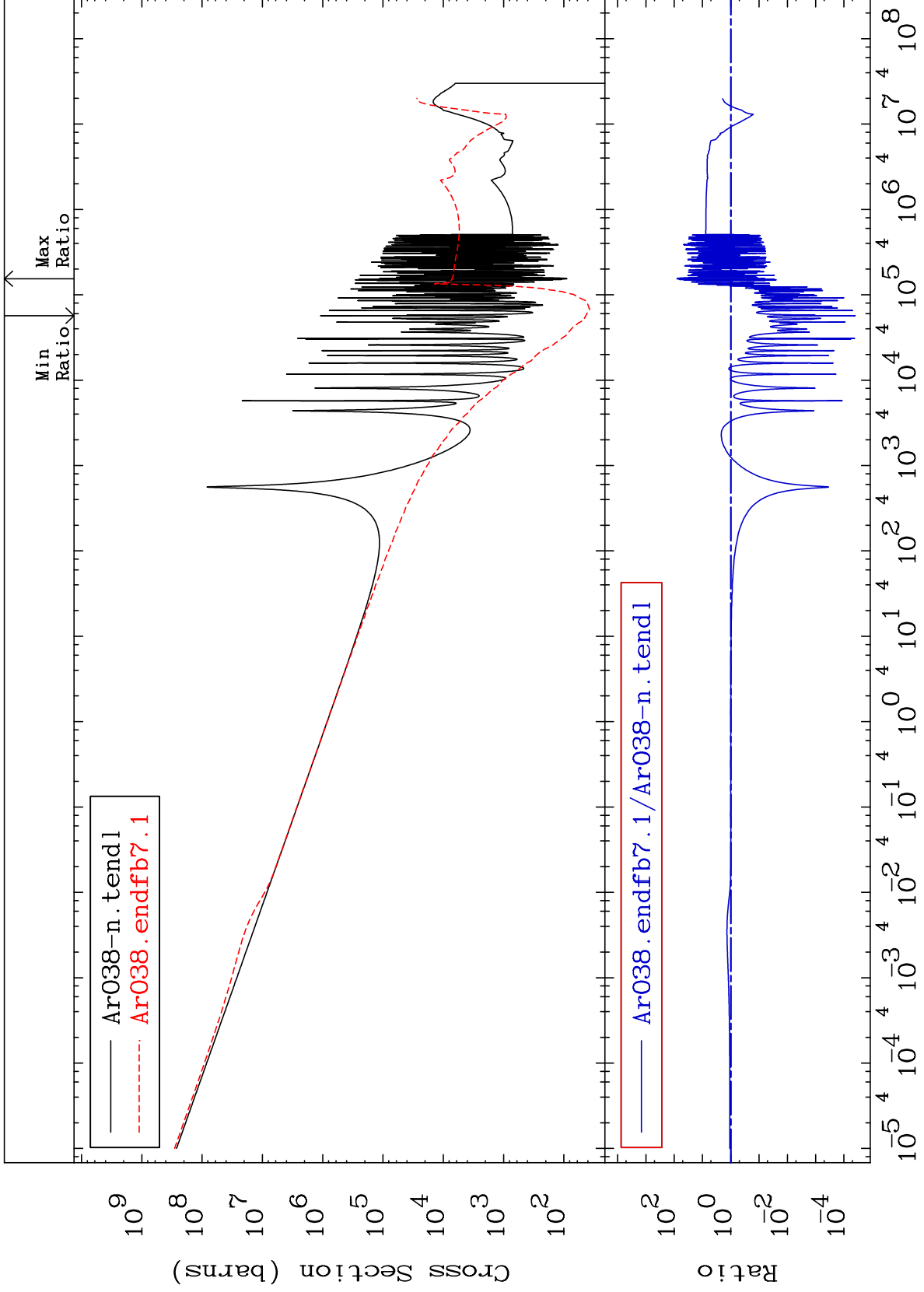
Incident Energy (eV)

18-Ar-38

MAT 1831

Kerma capture (mt102)
Cross Section

18-Ar-38
-100.0 To 7908. %



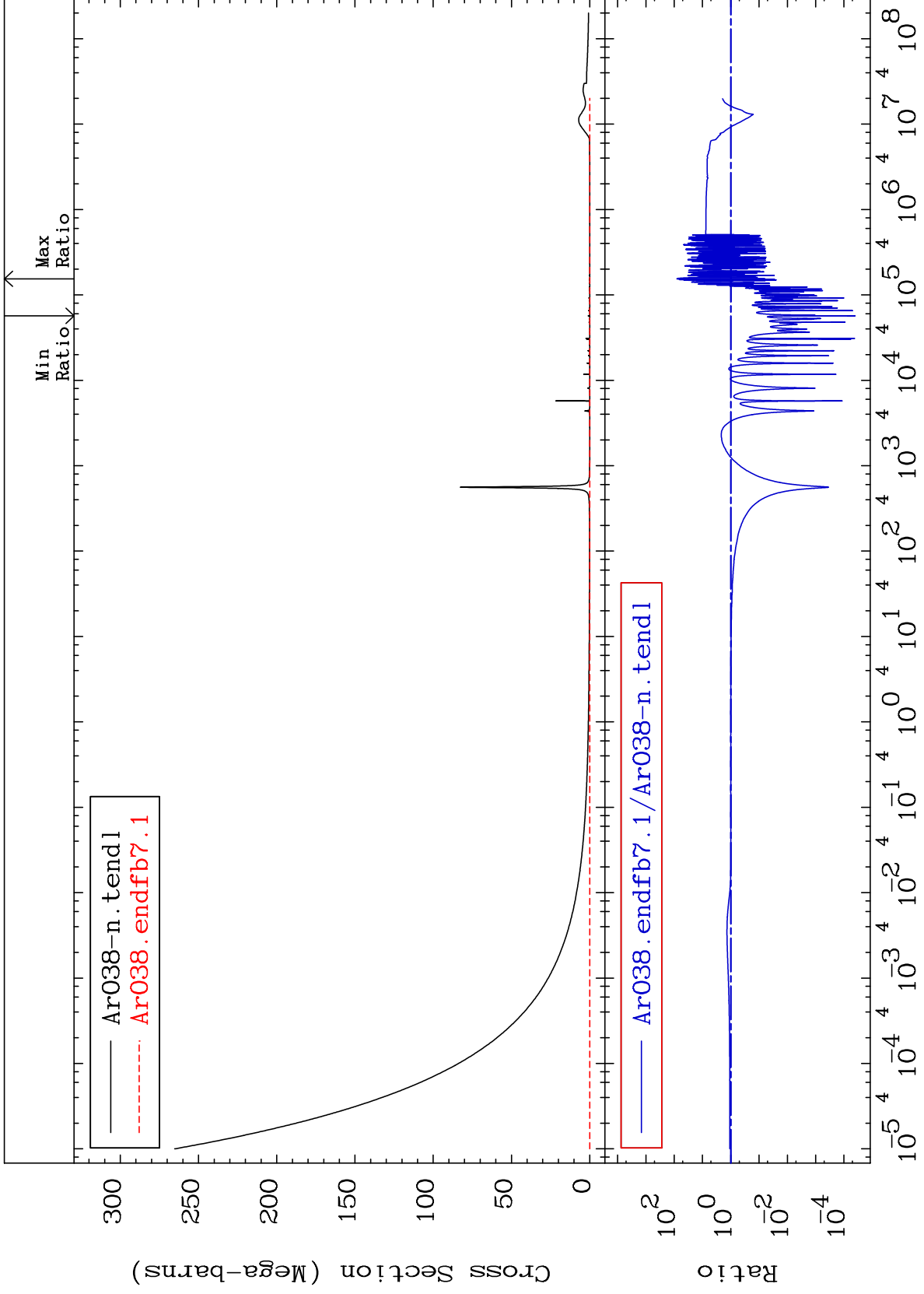
40

18-Ar-38

MAT 1831

Total photon (eV-barns)
Cross Section

18-Ar-38
-100.0 To 7908. %



41

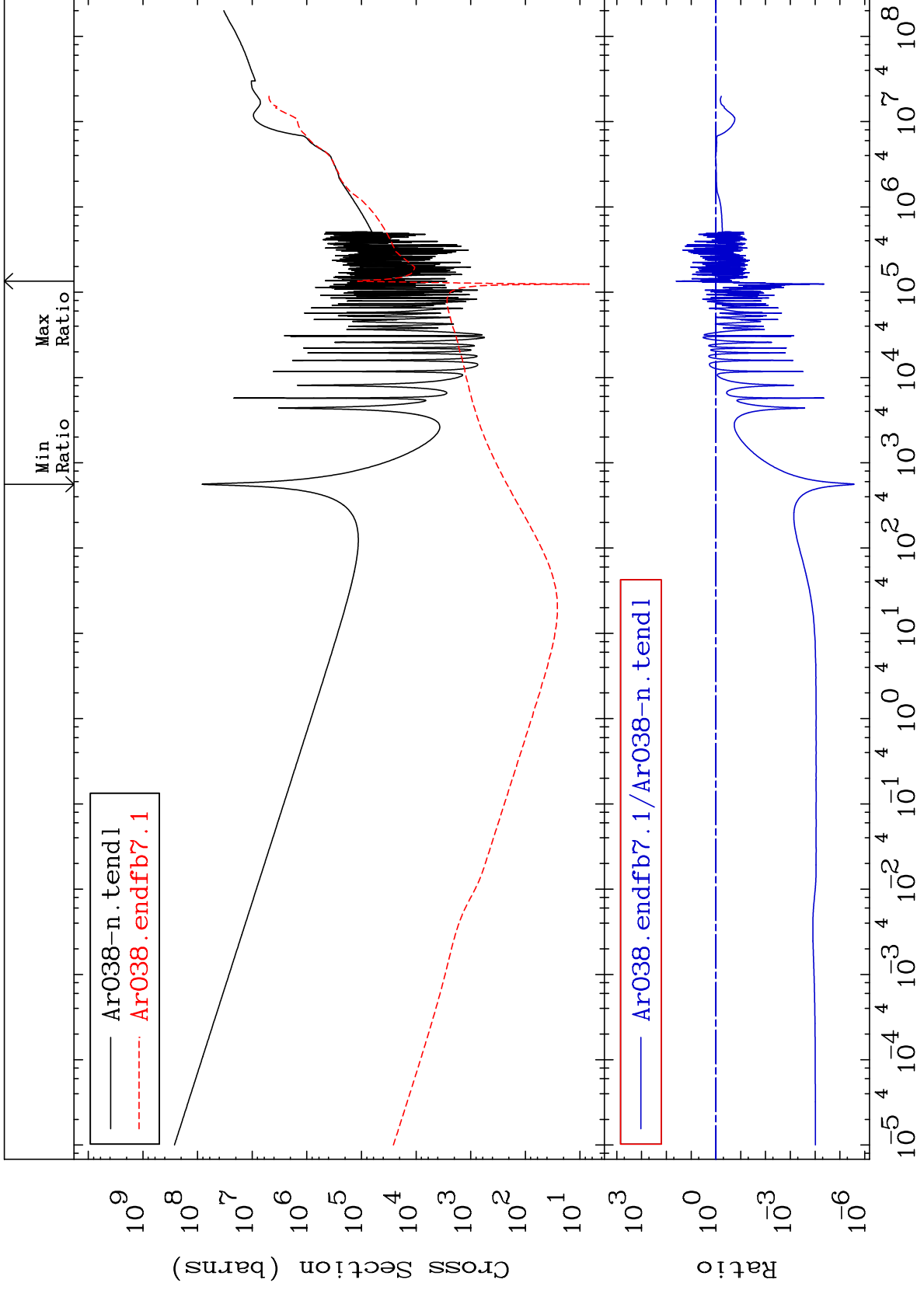
Incident Energy (eV)

18-Ar-38

MAT 1831

Total kinematic kerma (high limit)
Cross Section

18-Ar-38
-100.0 To 3850. %



42

18-Ar-38

