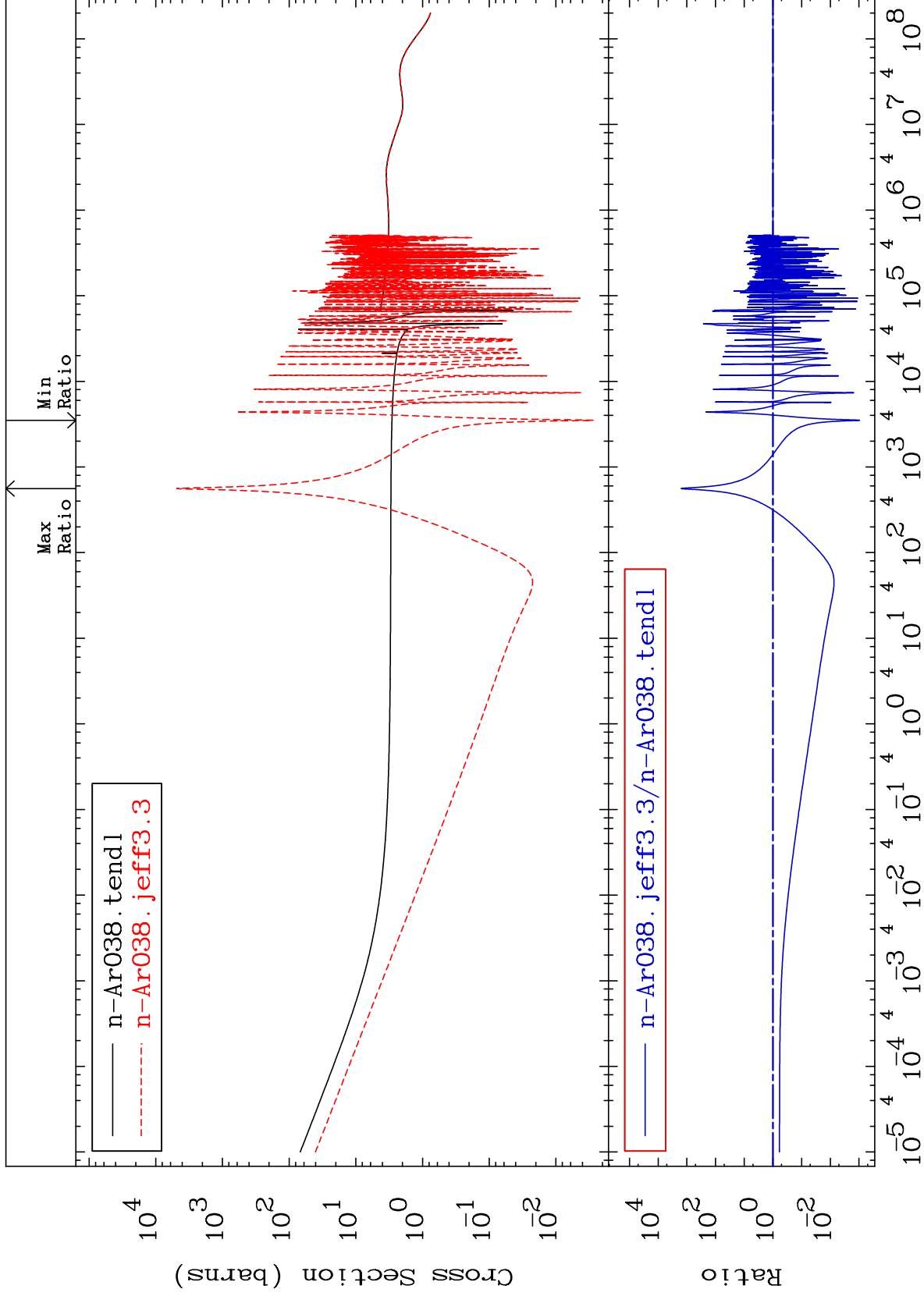


MAT 1831

Total
Cross Section

18-Ar-38
-99.90 To 9999. %

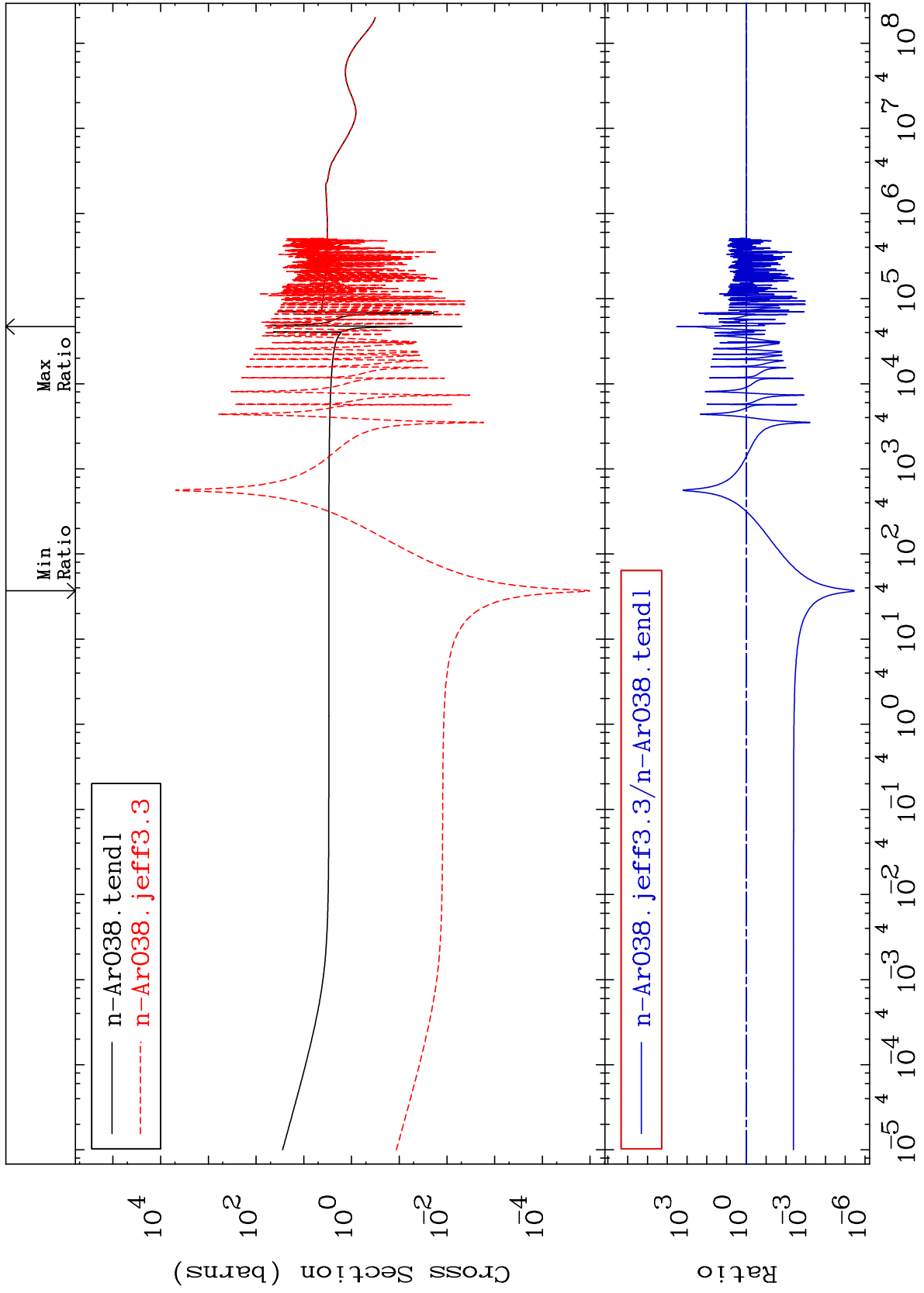


Incident Energy (eV)

18-Ar-38

Elastic
Cross Section

-100.0 To 9999. %

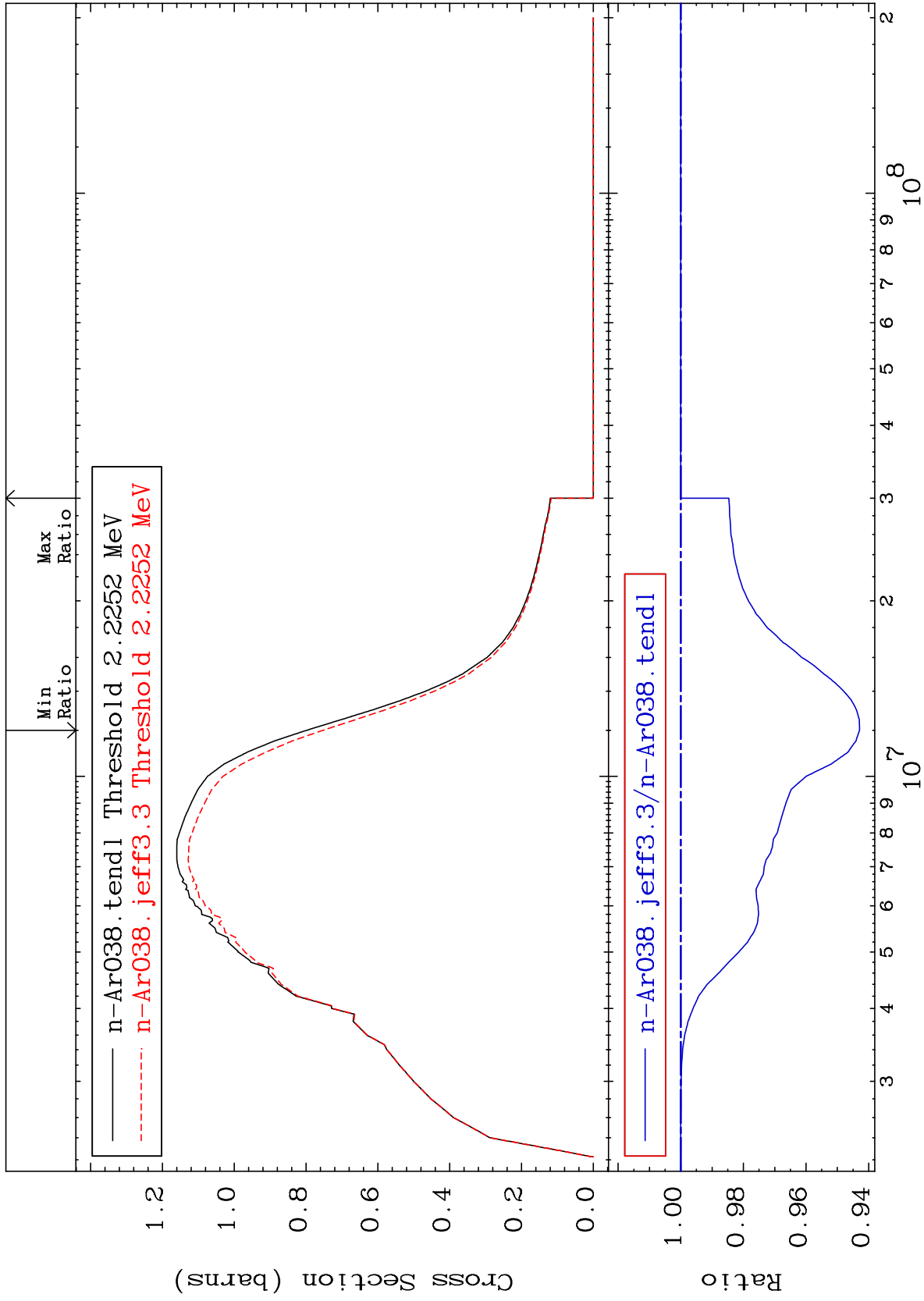


MAT 1831

18-Ar-38

-5.709 To 0.000 %

Inelastic
Cross Section



3

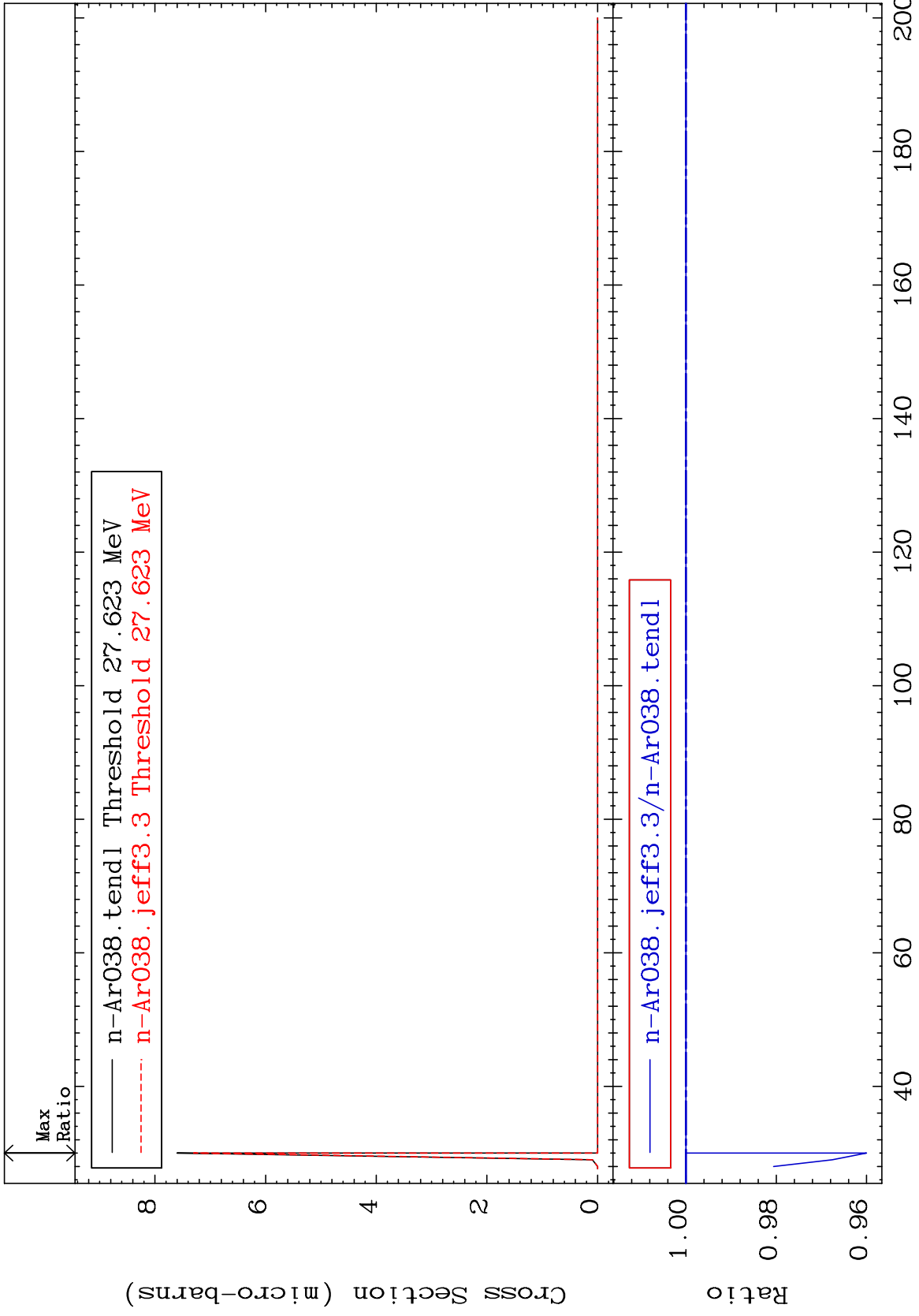
Incident Energy (eV)

18-Ar-38

MAT 1831

(n,2n) d
Cross Section

18-Ar-38
-3.998 To 0.000 %



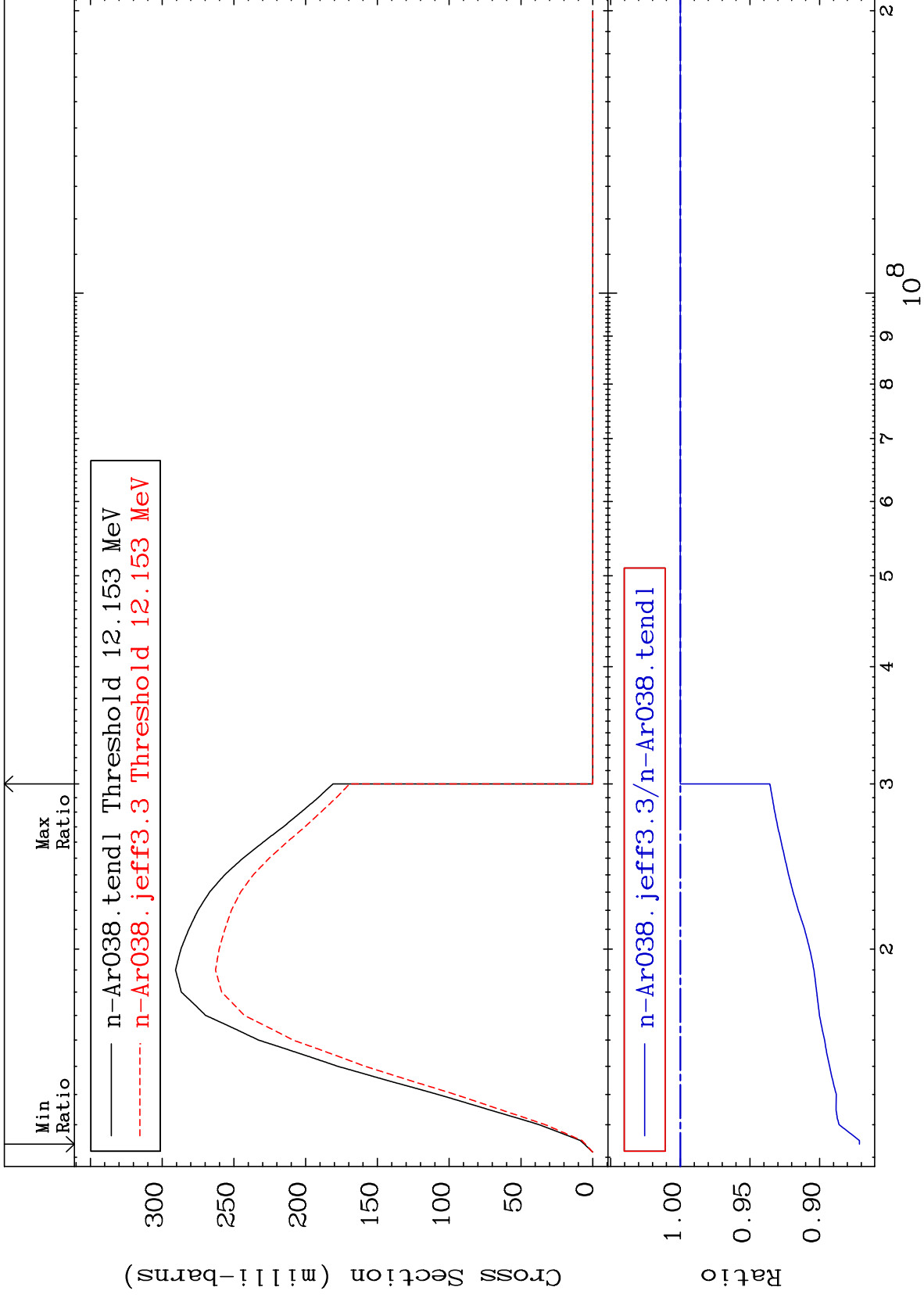
MAT 1831

(n,2n)

18-Ar-38

Cross Section

-12.86 To 0.000 %



5

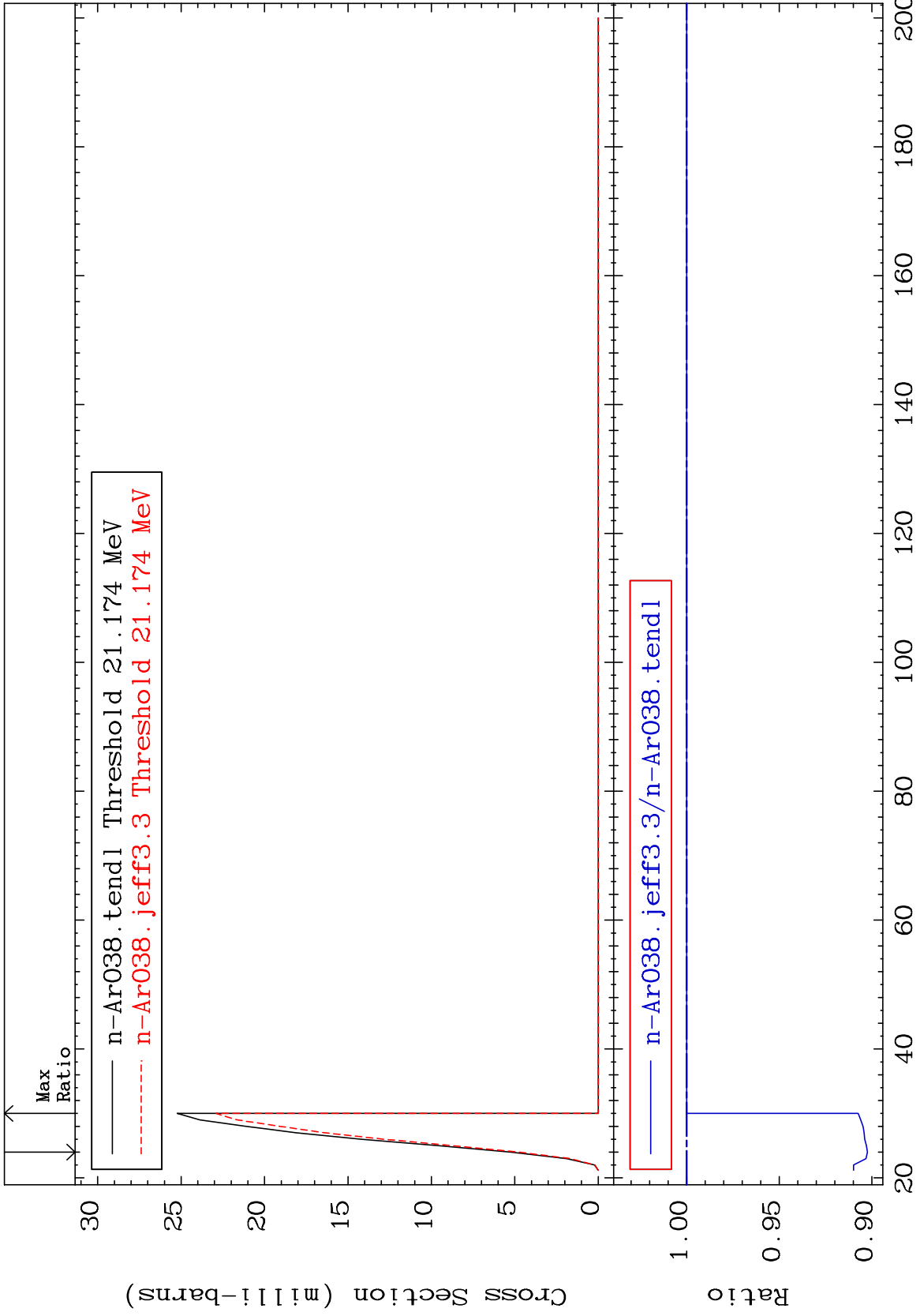
18-Ar-38

18-Ar-38

MAT 1831

(n,3n)
Cross Section

18-Ar-38
-9.756 To 0.000 %

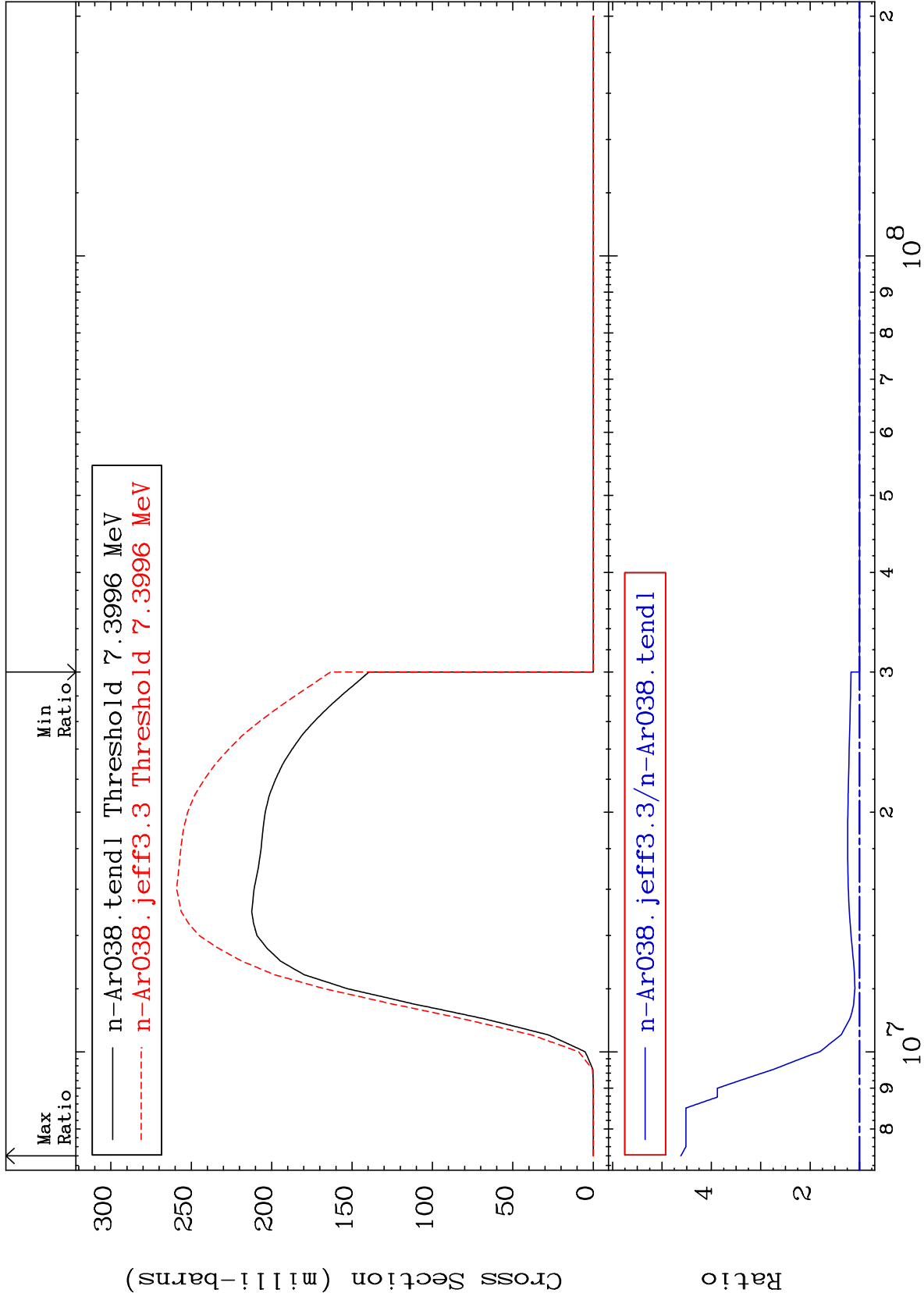


18-Ar-38

MAT 1831

(n,n') α
Cross Section

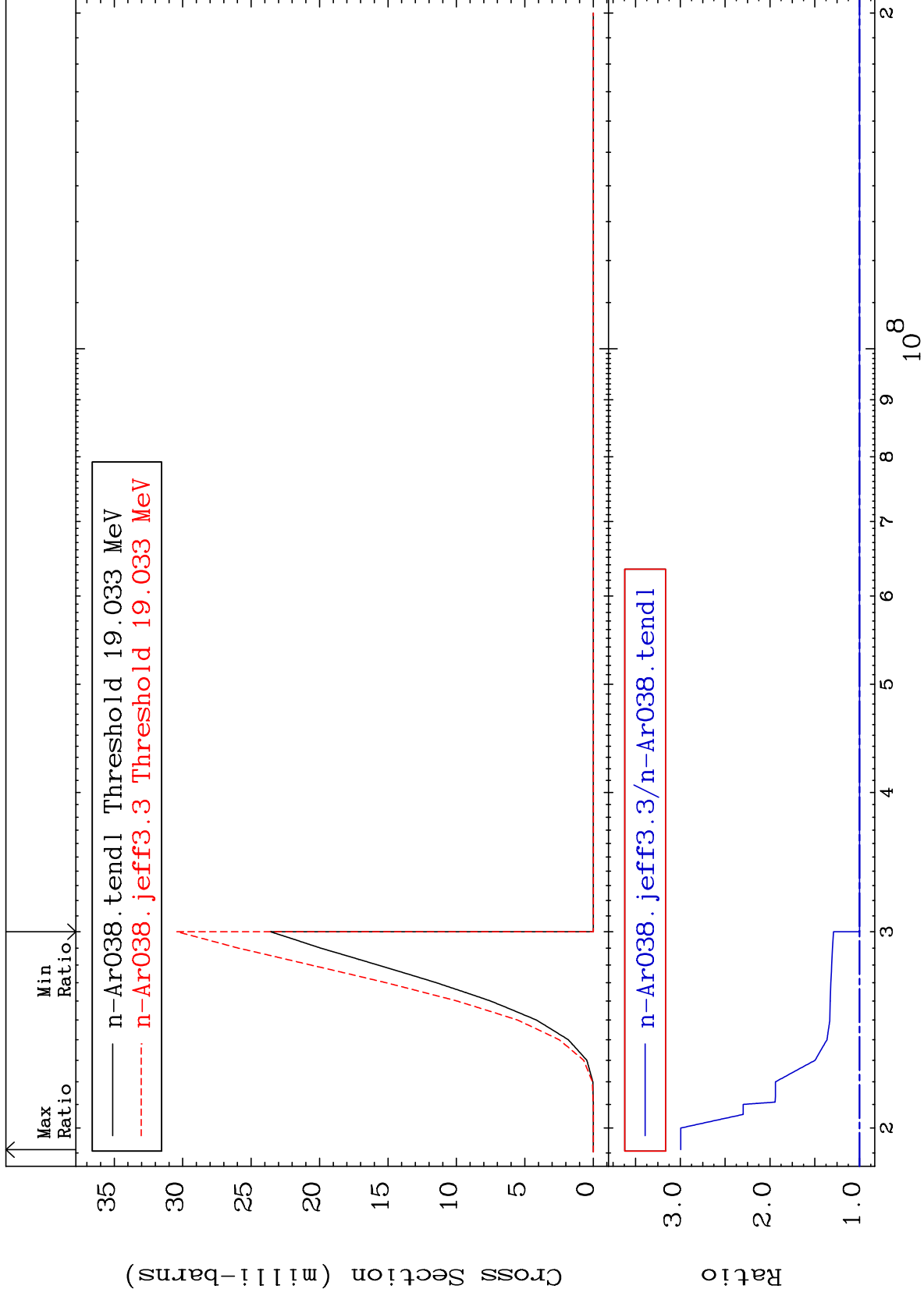
18-Ar-38
To 362.0 %
0.000



MAT 1831

(n,2n) α
Cross Section

18-Ar-38
0.000 To 199.5 %



8

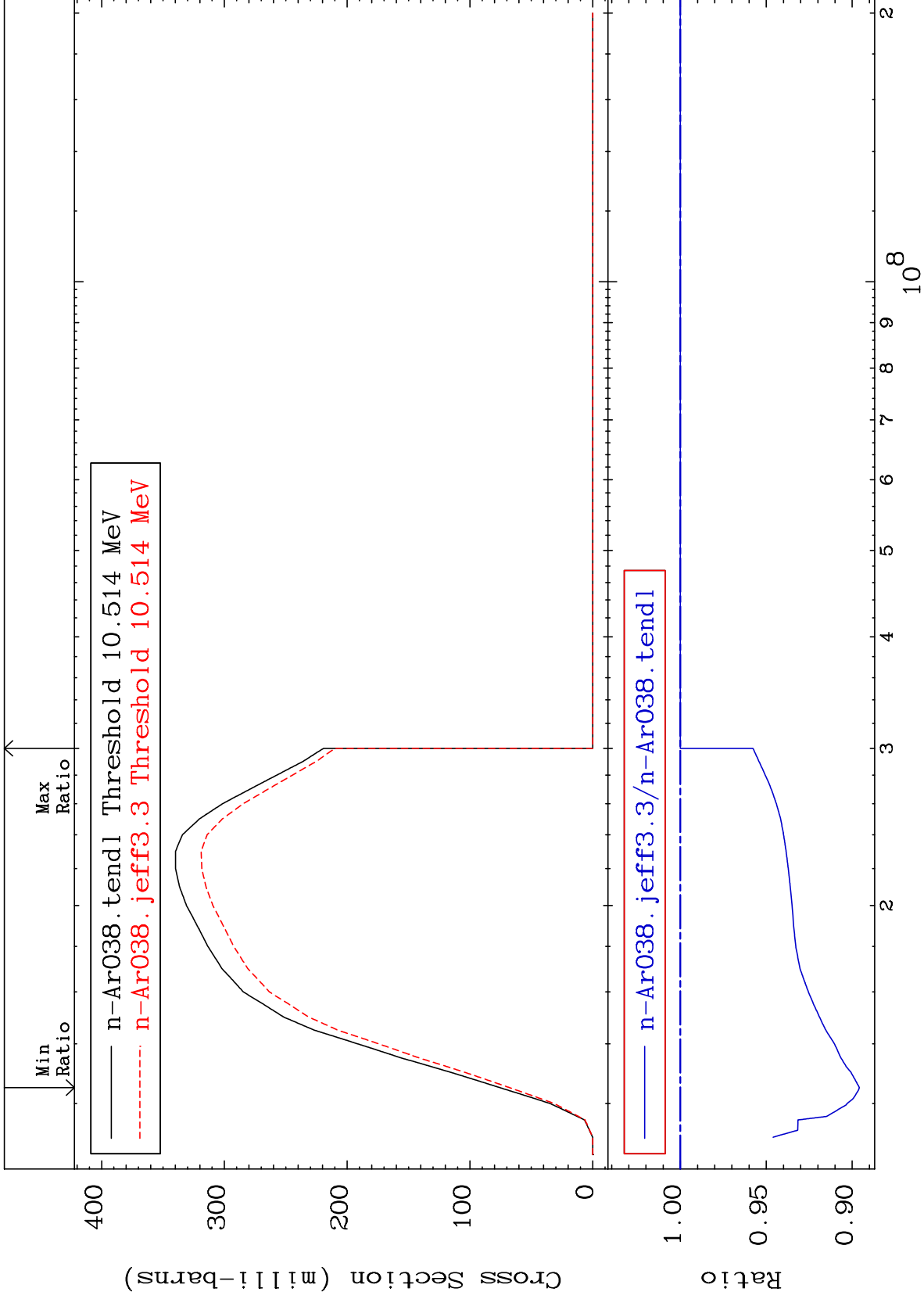
Incident Energy (eV)

18-Ar-38

MAT 1831

(n,n') p
Cross Section

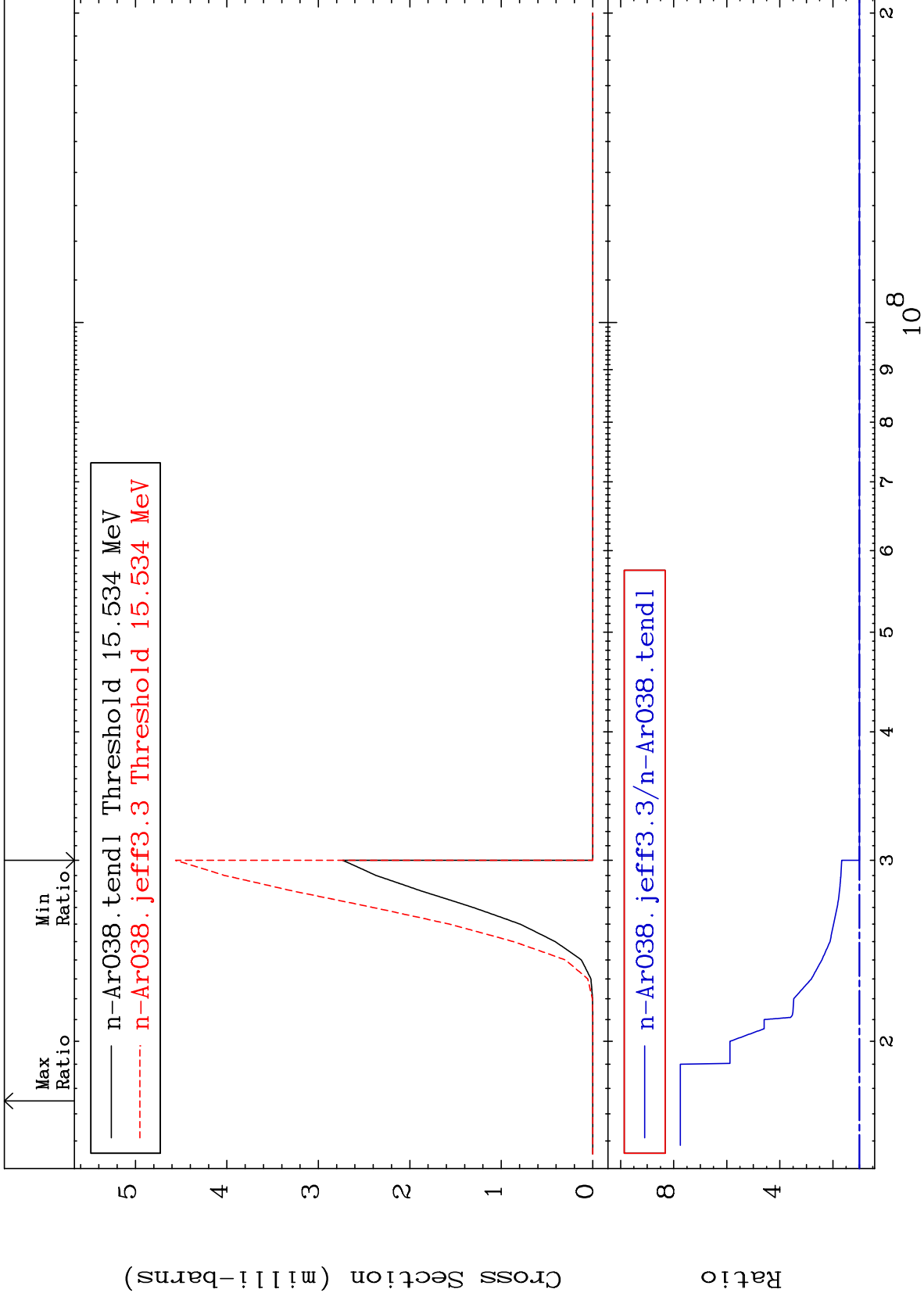
18-Ar-38
-10.42 To 0.000 %



MAT 1831

(n, n') 2α
Cross Section

18-Ar-38
0.000 To 674.9 %



10

18-Ar-38

18-Ar-38

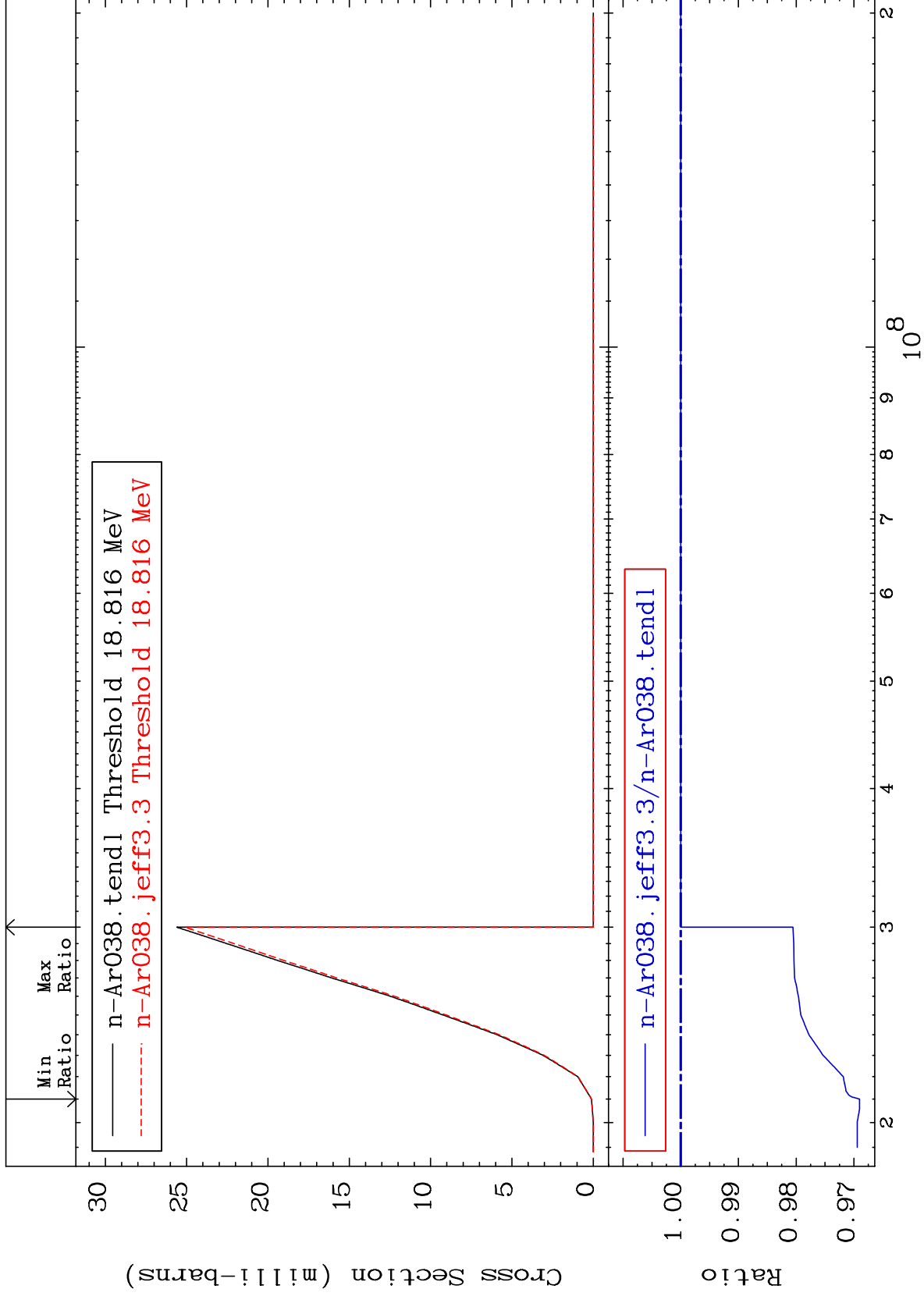
MAT 1831

(n,n') d

18-Ar-38

Cross Section

-3.097 To 0.000 %



11

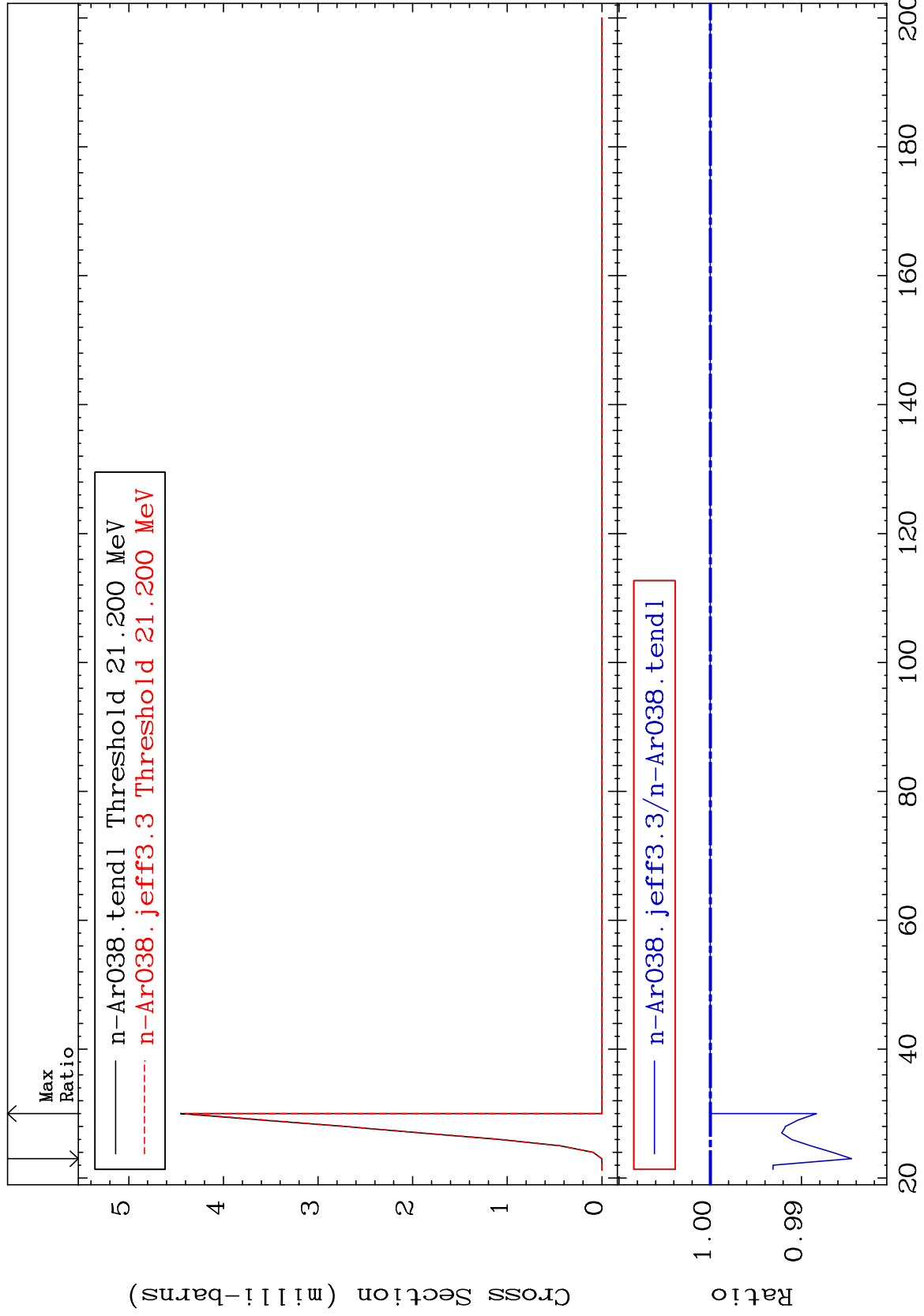
18-Ar-38

18-Ar-38

MAT 1831

(n,n') t
Cross Section

18-Ar-38
-1.550 To 0.000 %



12

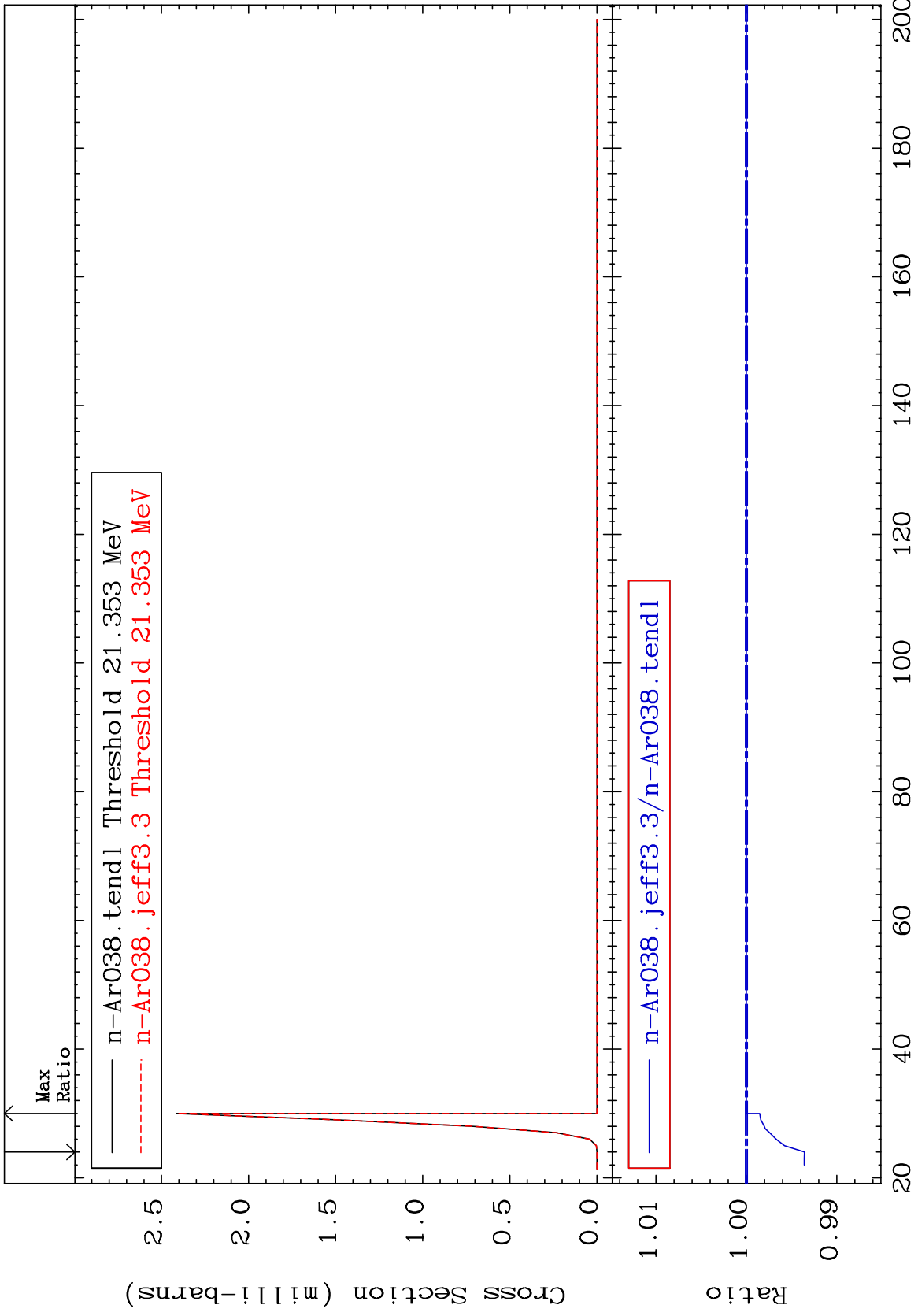
Incident Energy (MeV)

18-Ar-38

MAT 1831

(n, n') He-3
Cross Section

18-Ar-38
-0.642 To 0.000 %

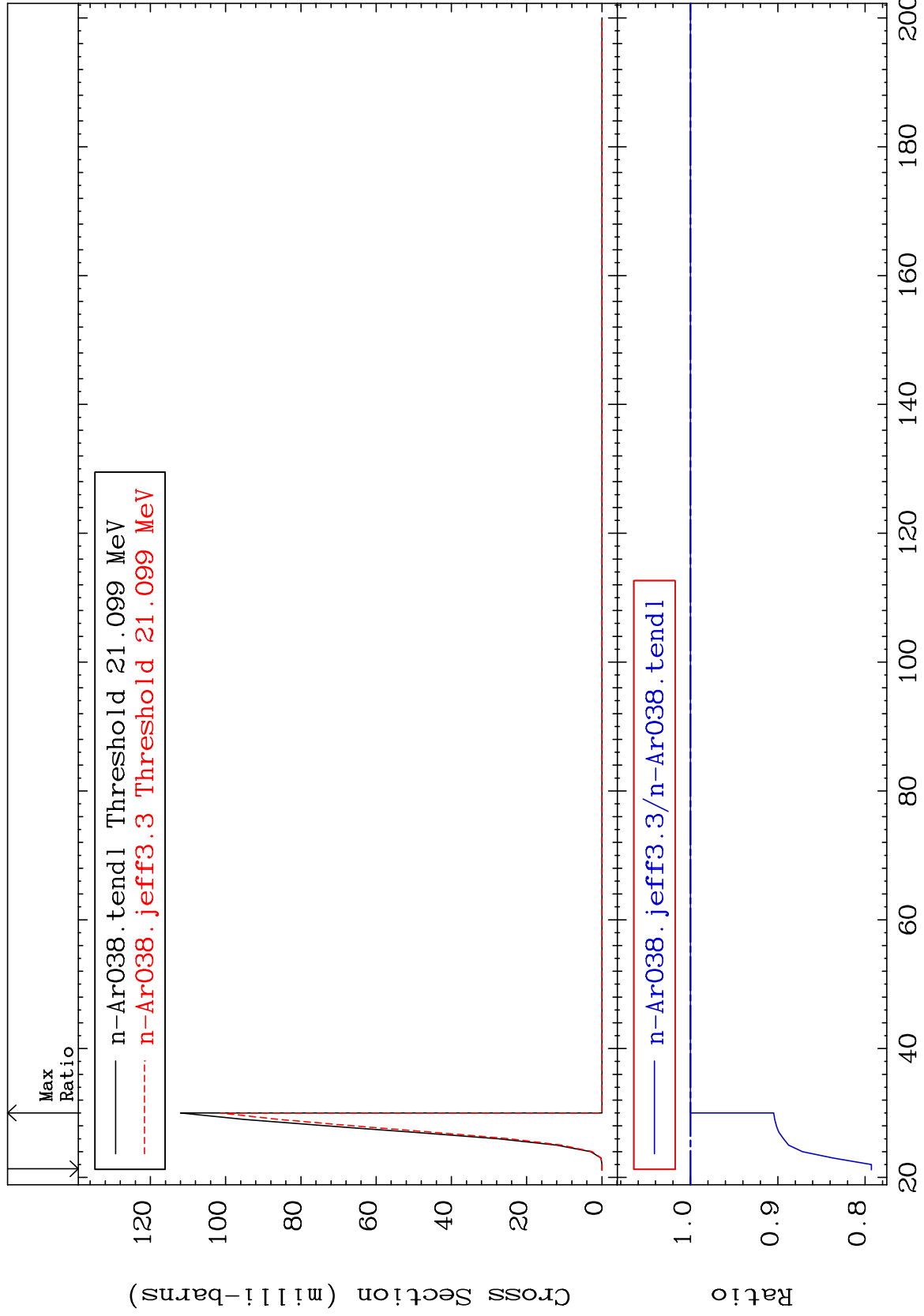


MAT 1831

(n,2n) p
Cross Section

18-Ar-38

-20.72 To 0.000 %



14

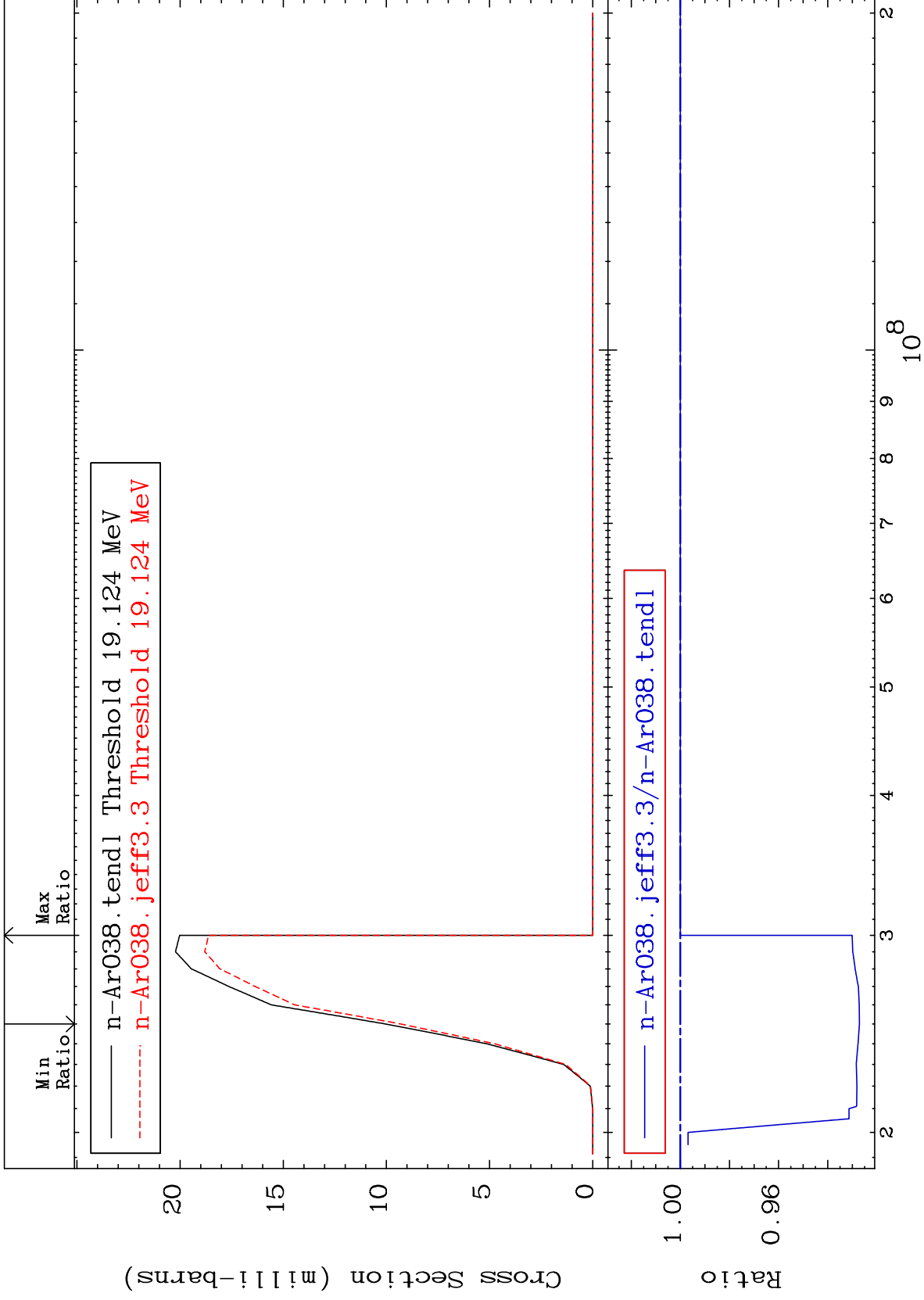
Incident Energy (MeV)

18-Ar-38

MAT 1831

(n,2n) p
Cross Section

18-Ar-38
-7.291 To 0.000 %



15

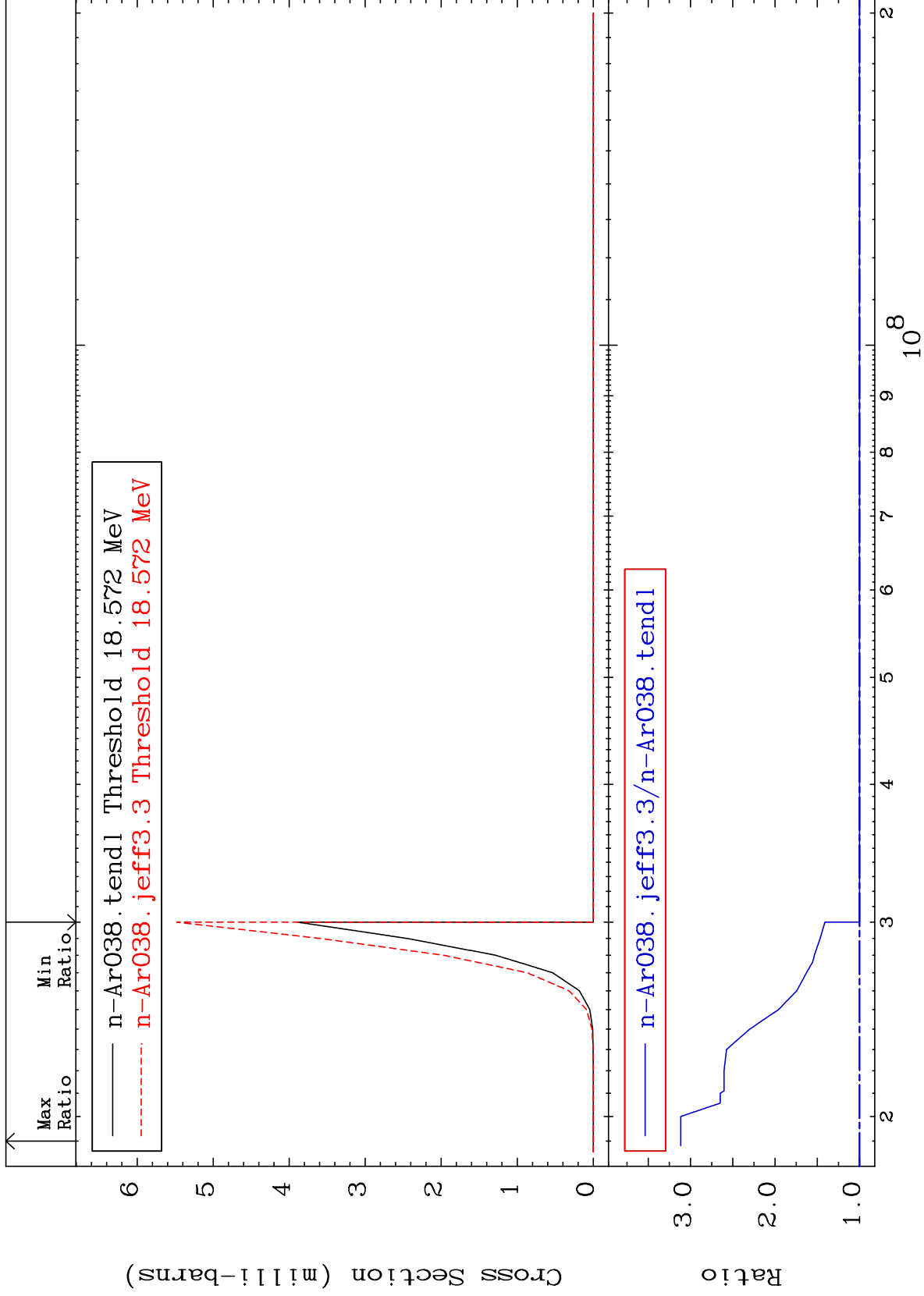
18-Ar-38

18-Ar-38

MAT 1831

(n,n') p α
Cross Section

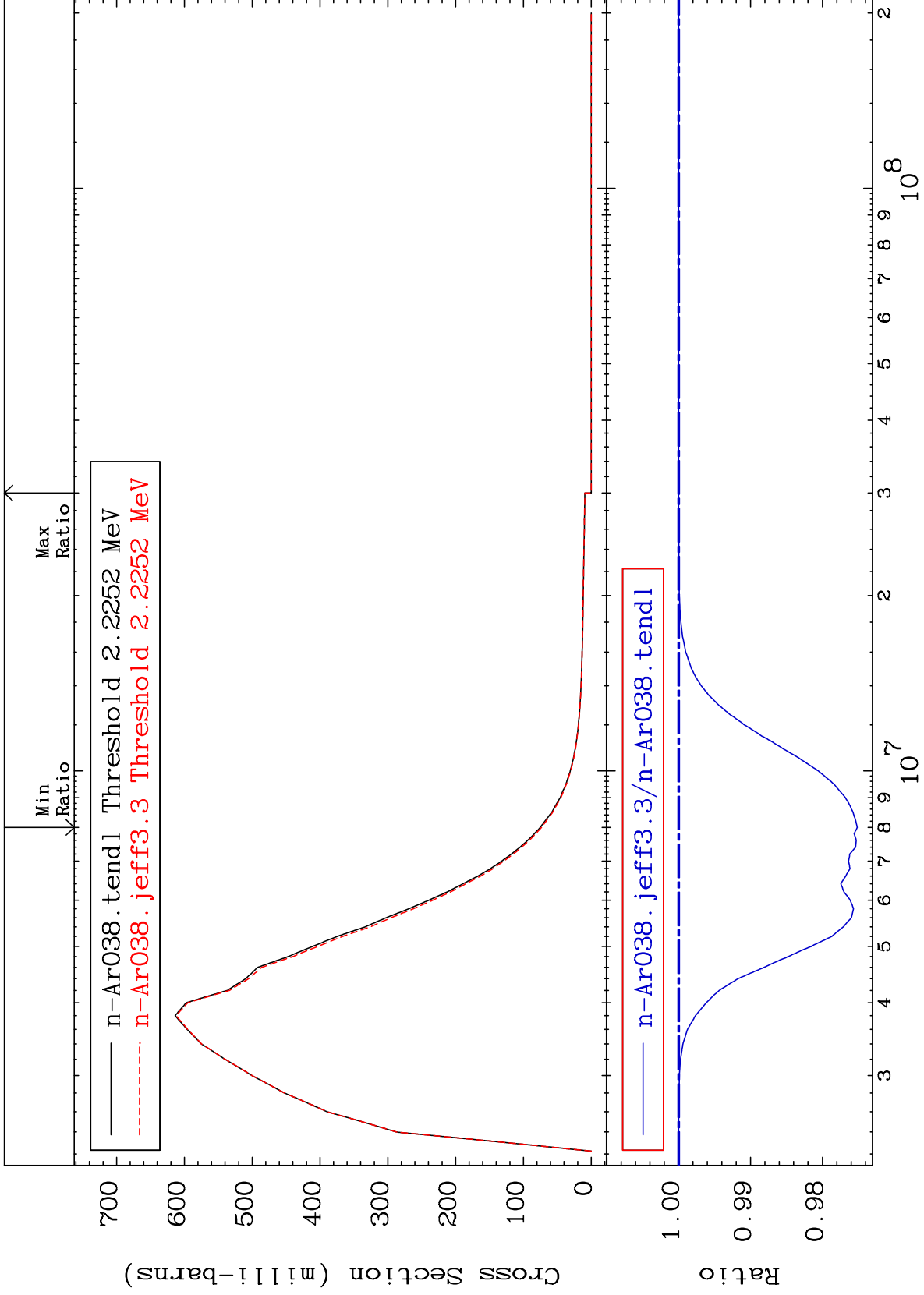
18-Ar-38
0.000 To 211.5 %



MAT 1831

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

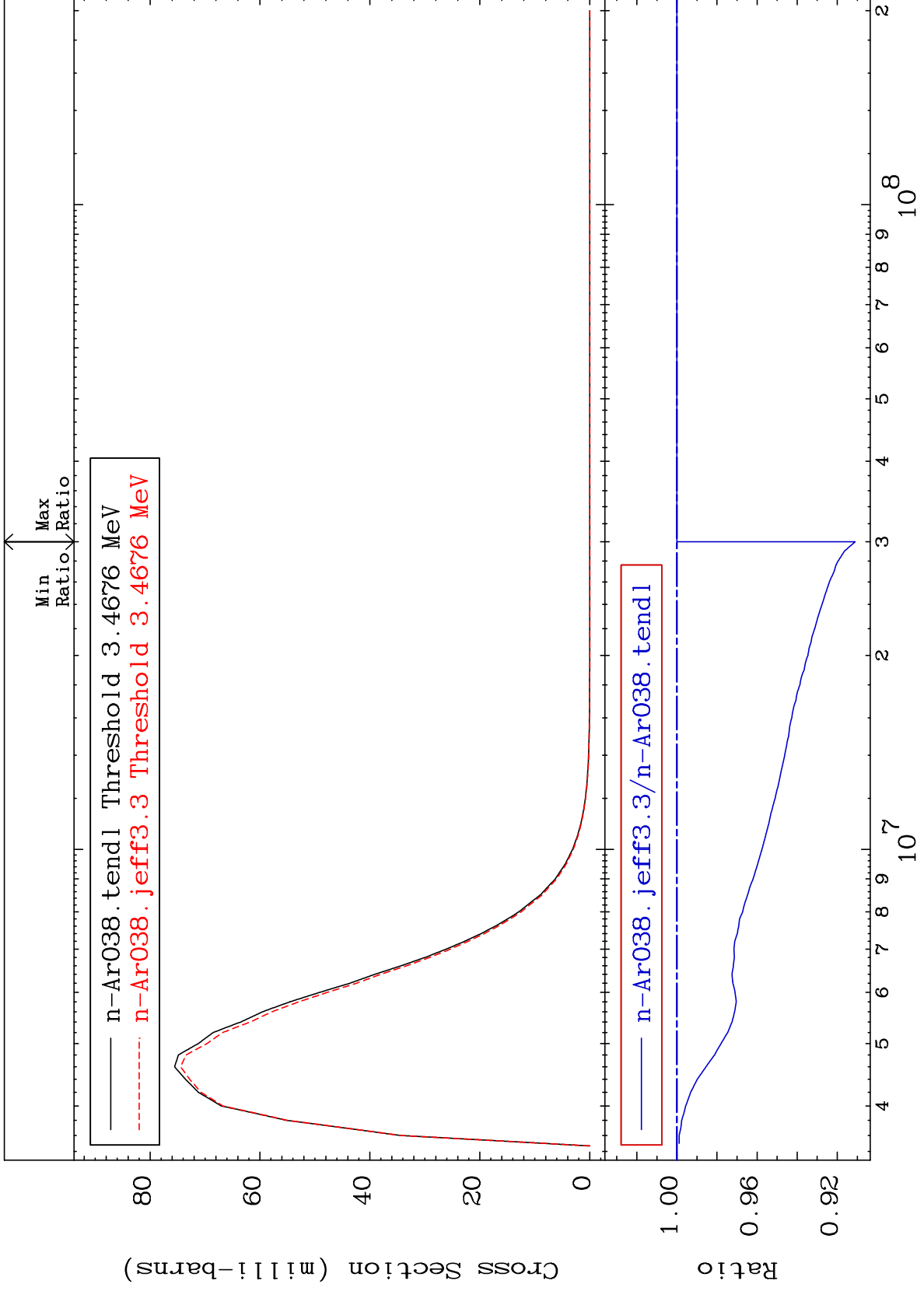
18-Ar-38
-2.484 To 0.000 %



MAT 1831

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

18-Ar-38
-8.891 To 0.000 %



18

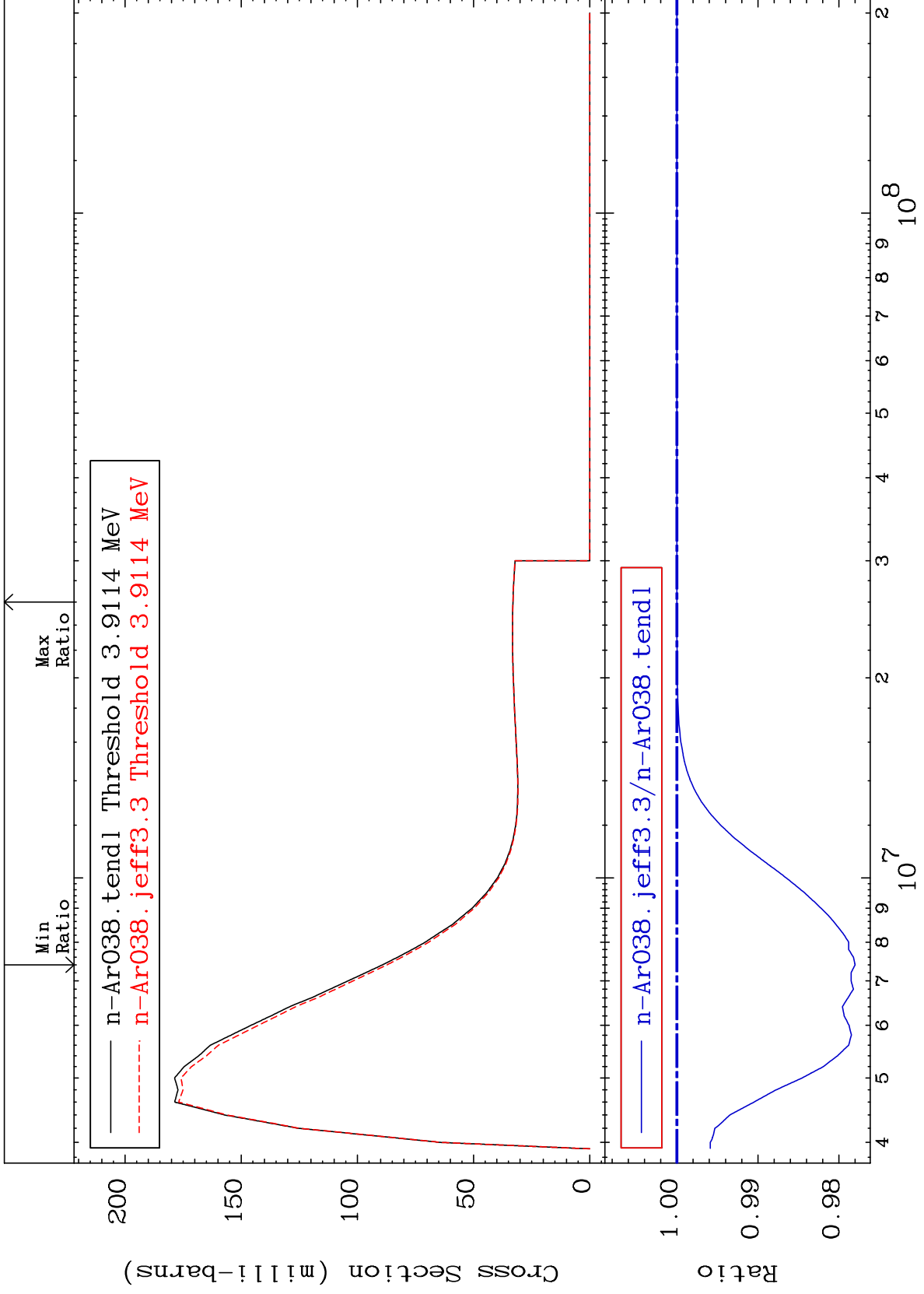
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38
-2.199 To 0.000 %



19

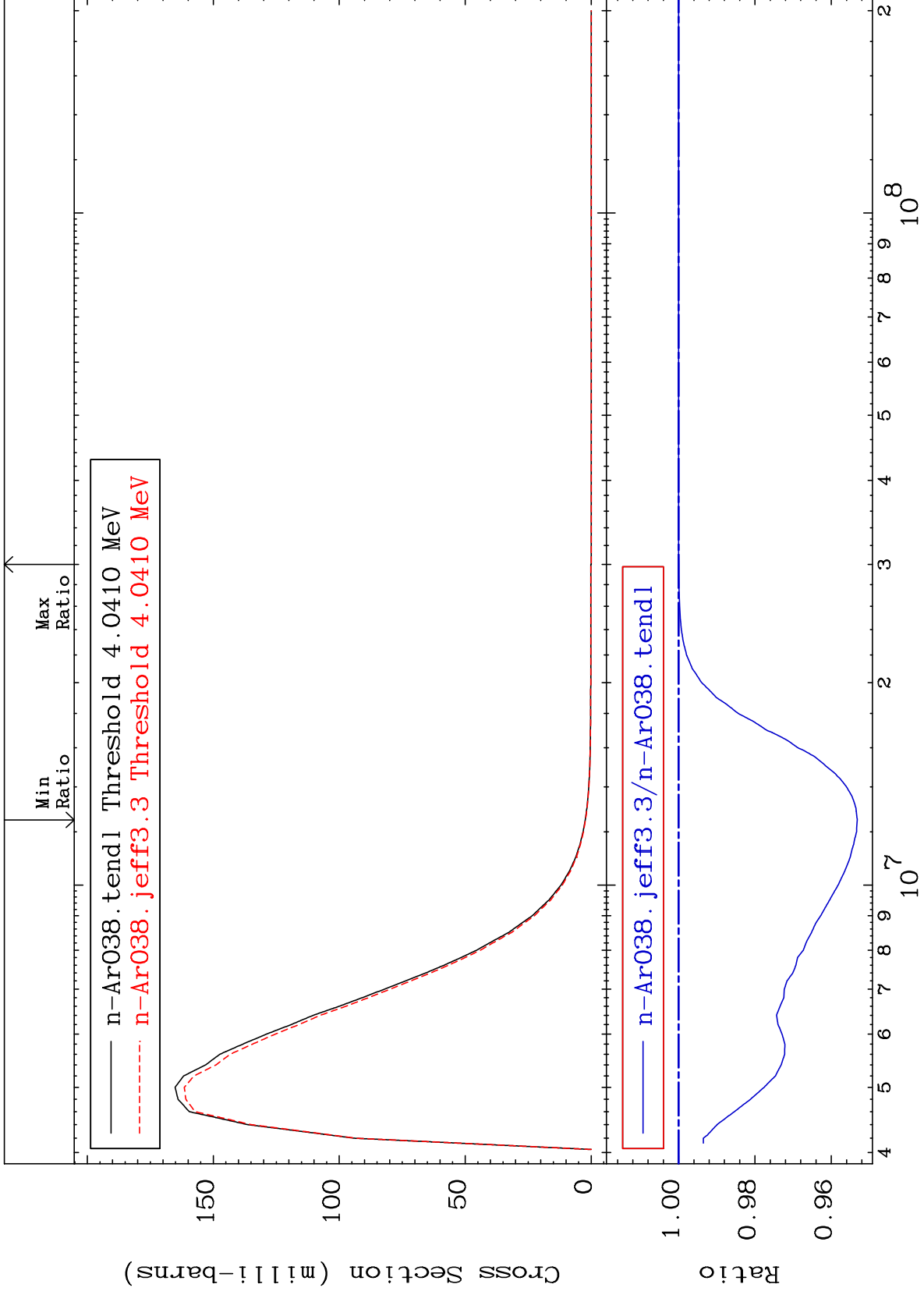
18-Ar-38

18-Ar-38

MAT 1831

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

18-Ar-38
-4.681 To 0.000 %



20

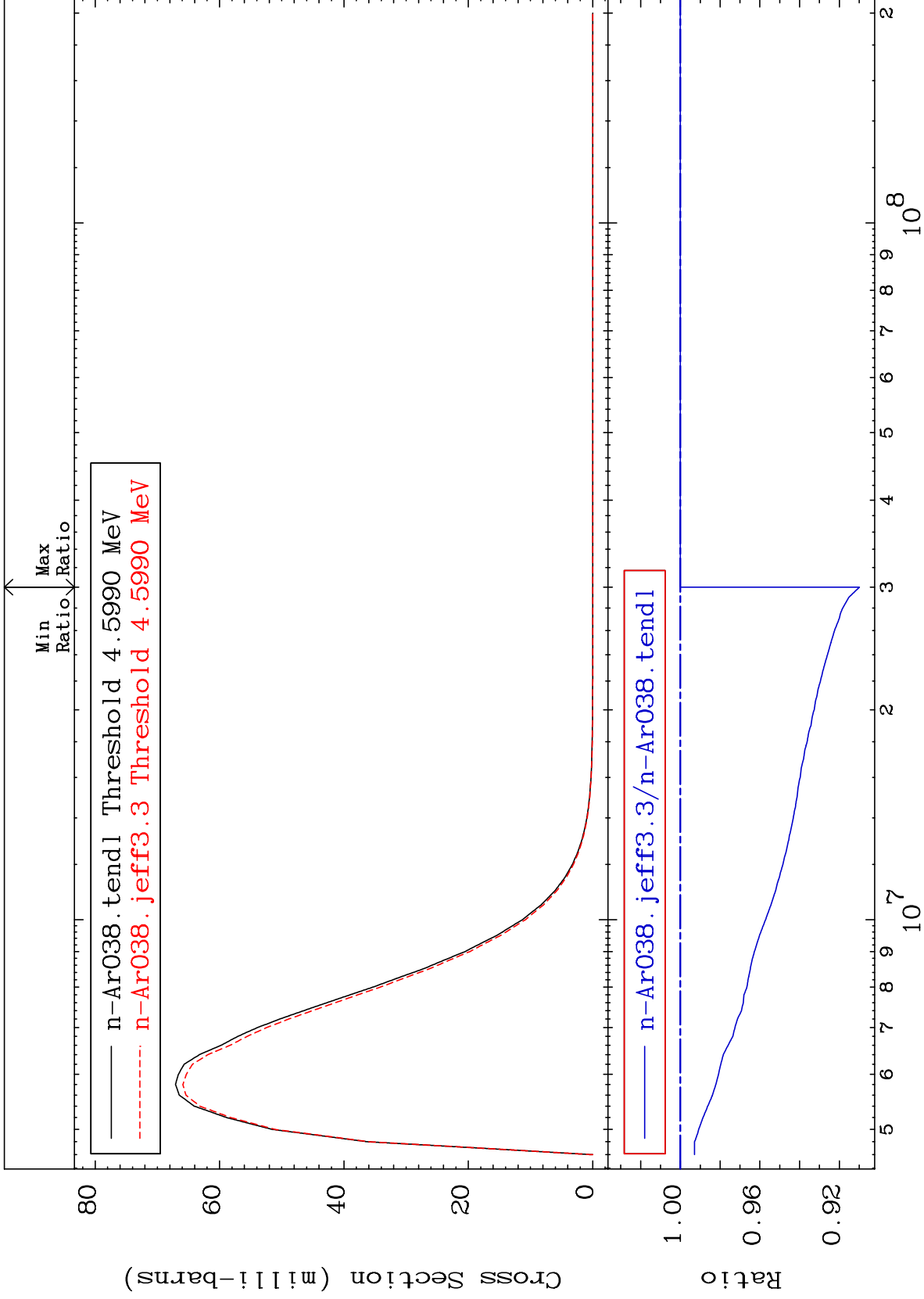
Incident Energy (eV)

18-Ar-38

MAT 1831

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

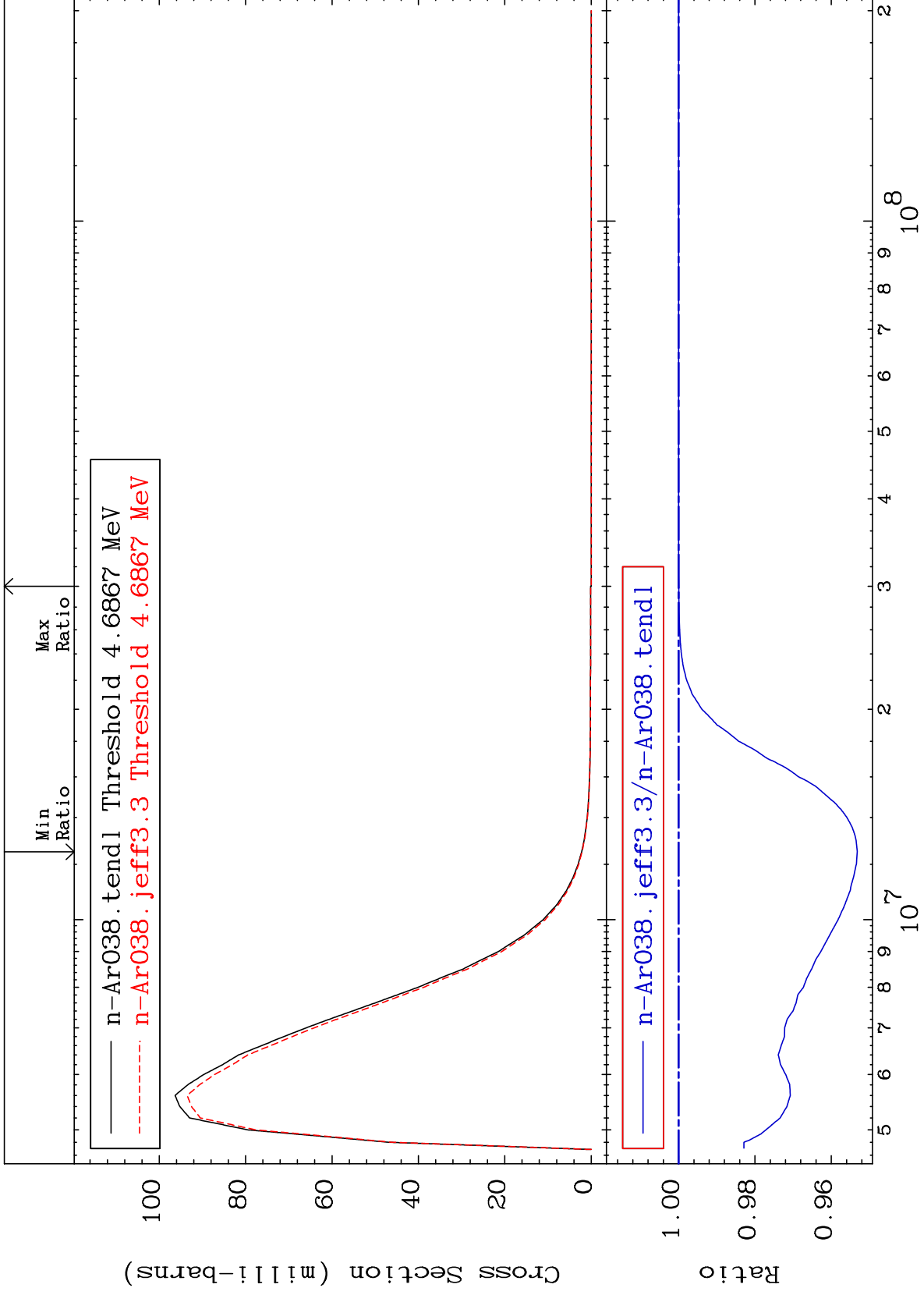
18-Ar-38
-9.012 To 0.000 %



MAT 1831

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

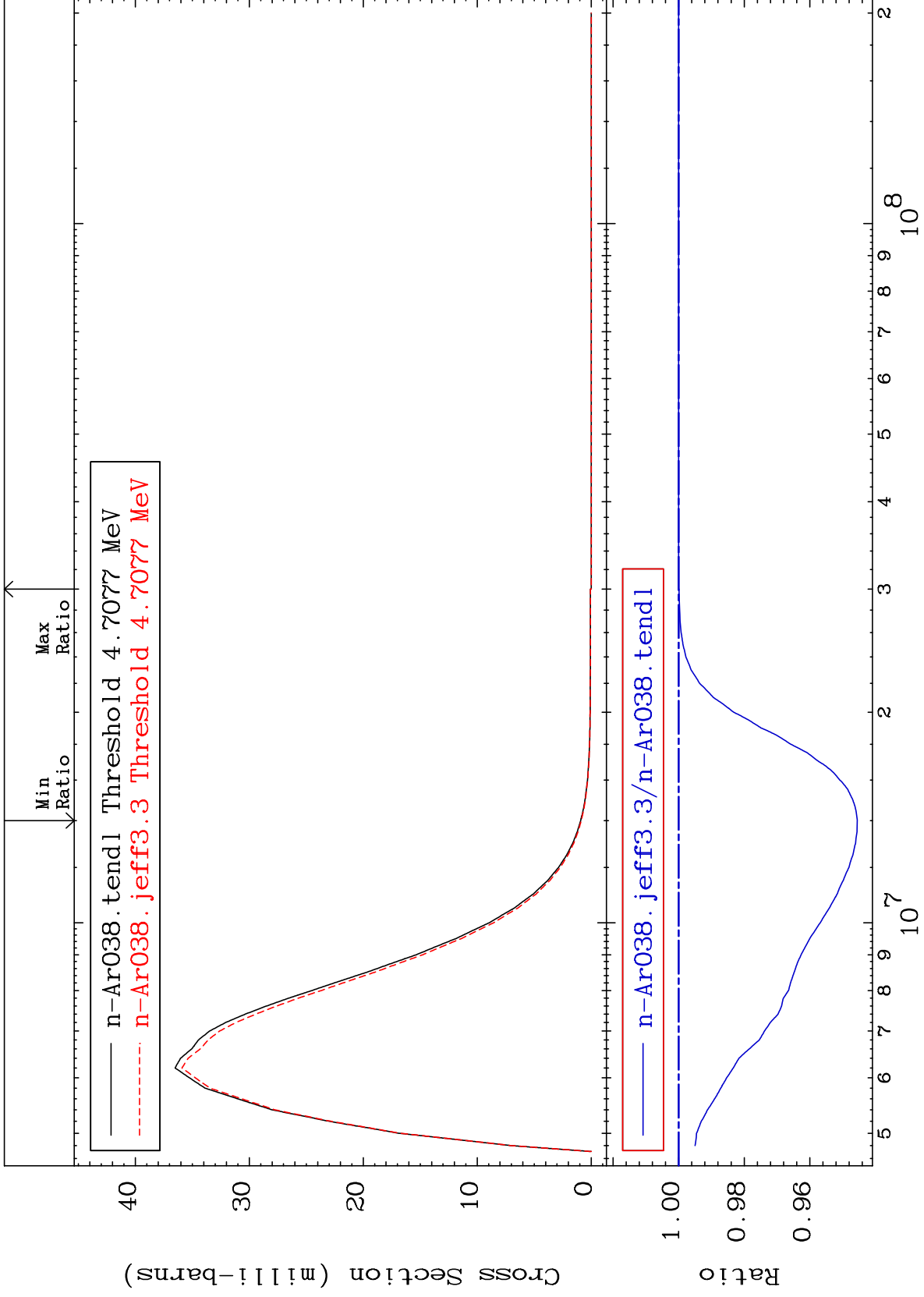
18-Ar-38
-4.680 To 0.000 %



MAT 1831

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

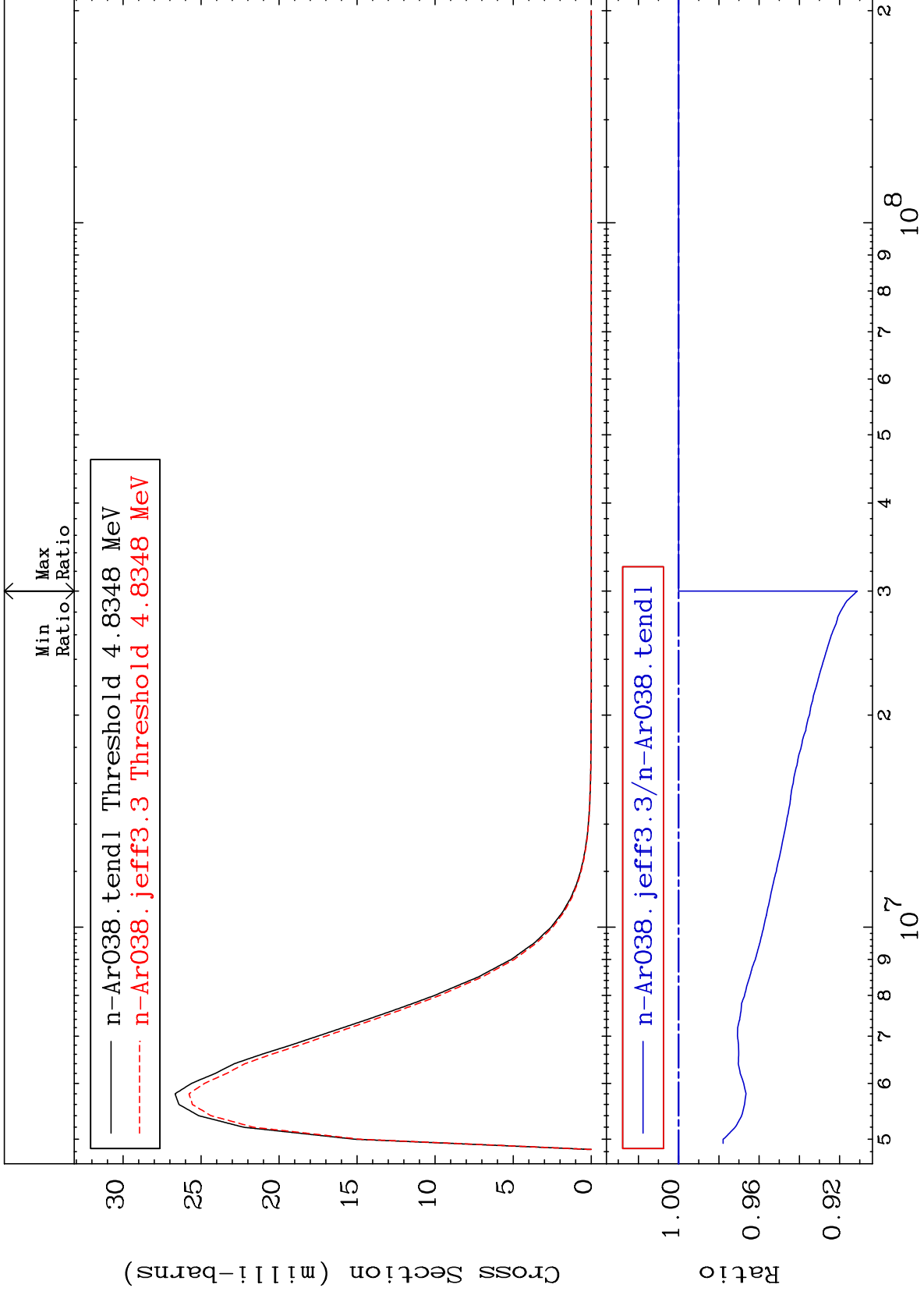
18-Ar-38
-5.445 To 0.000 %



MAT 1831

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

18-Ar-38
-8.878 To 0.000 %



24

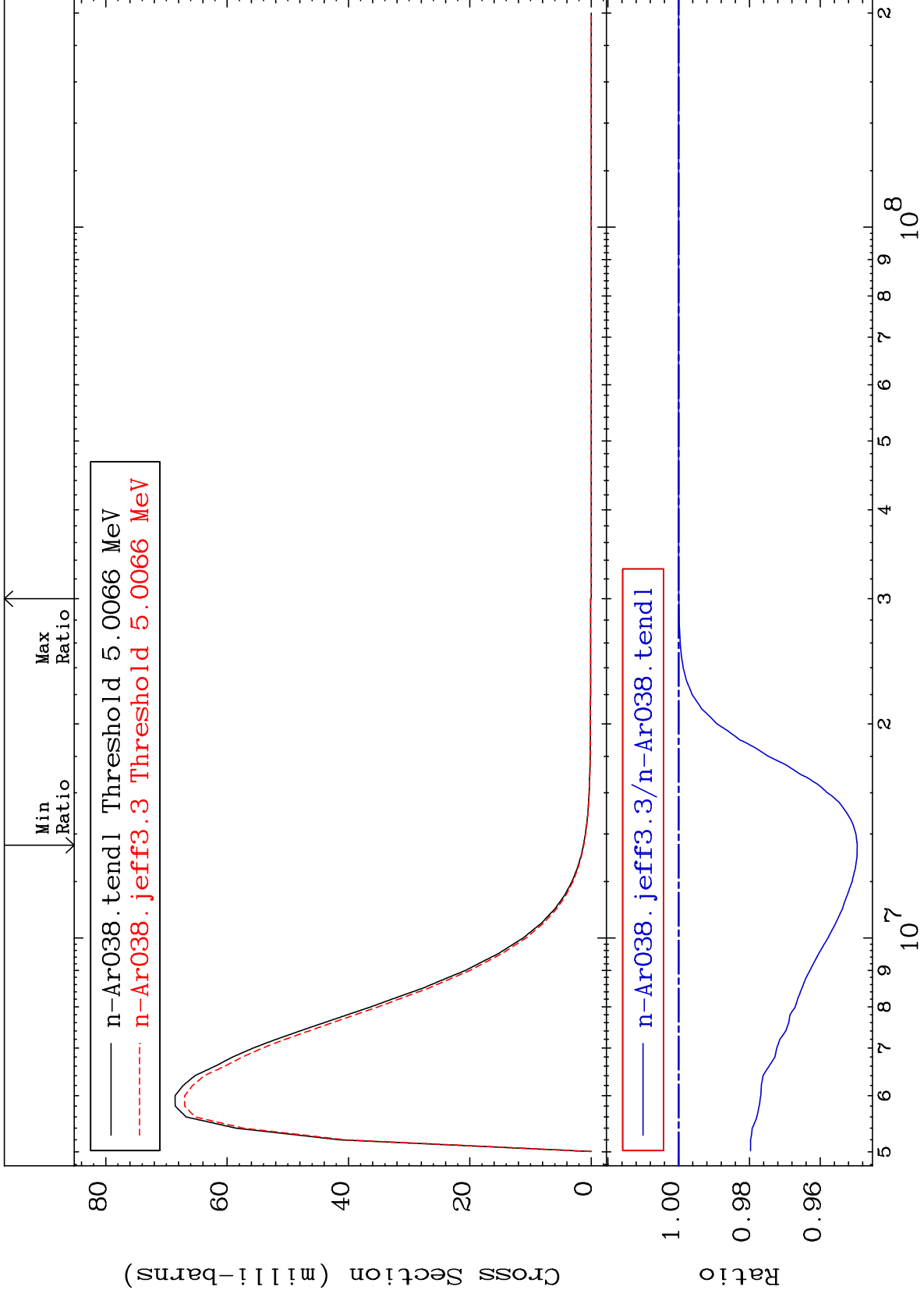
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38
-5.045 To 0.000 %



25

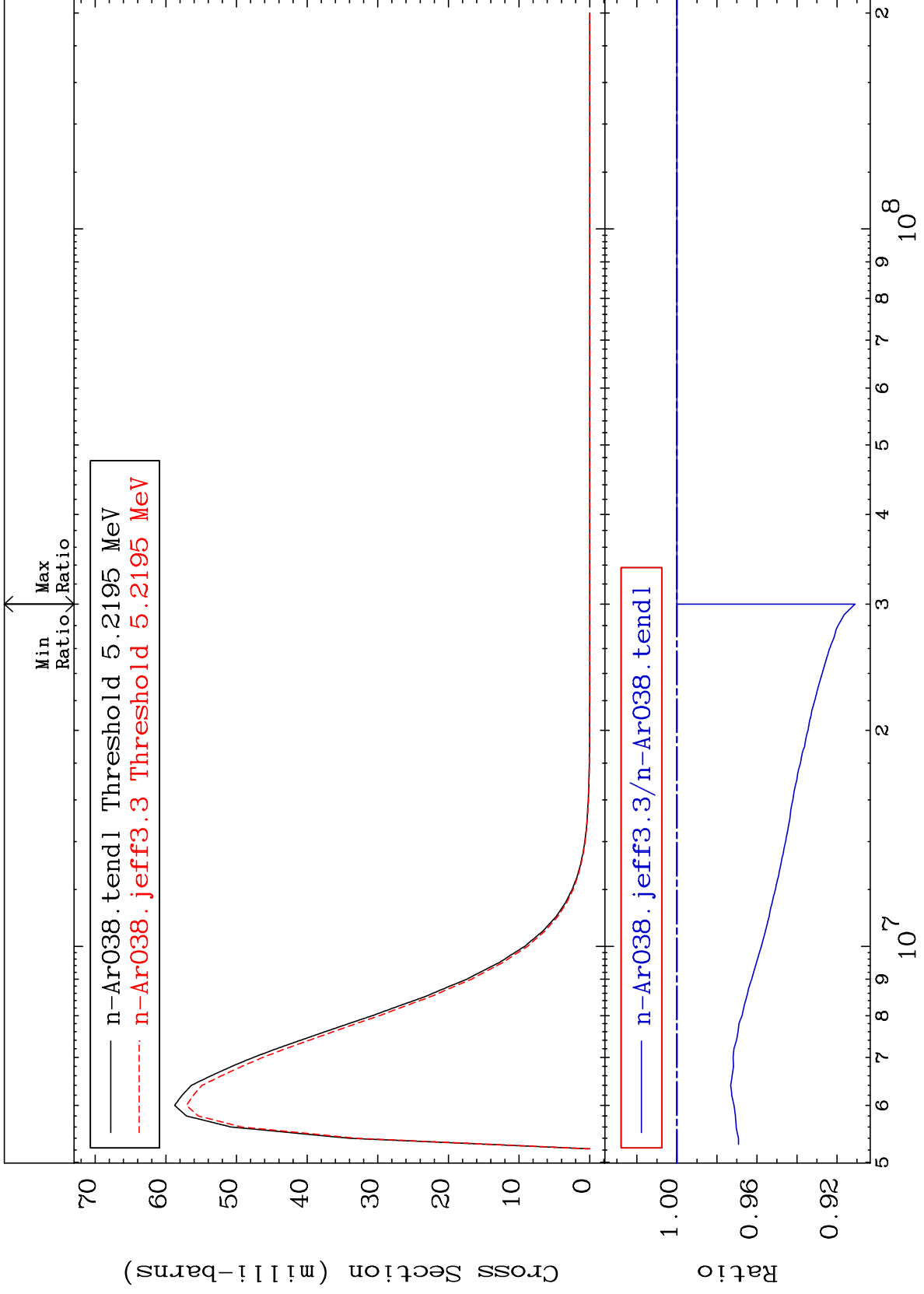
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38
-8.906 To 0.000 %



26

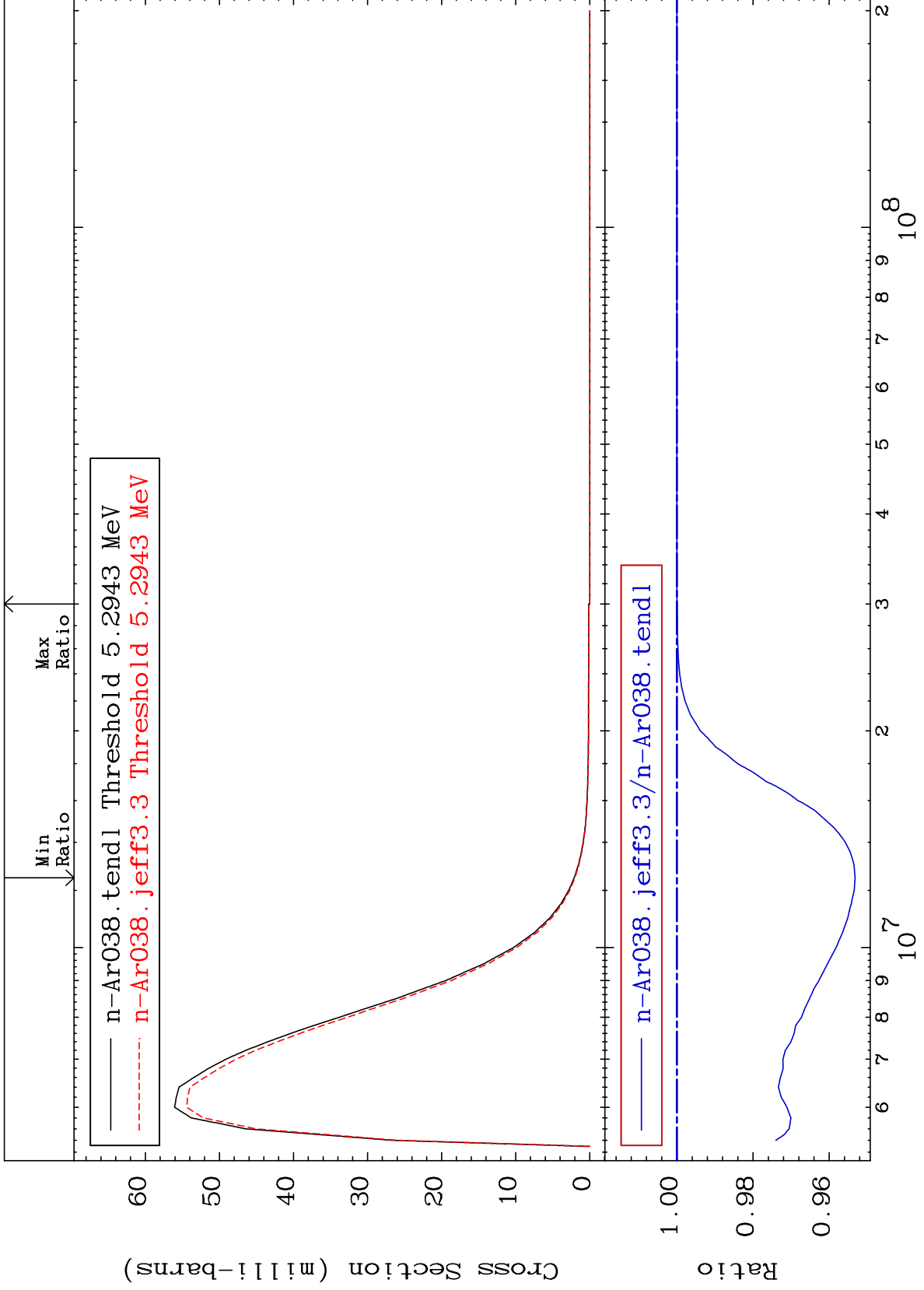
Incident Energy (eV)

18-Ar-38

MAT 1831

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

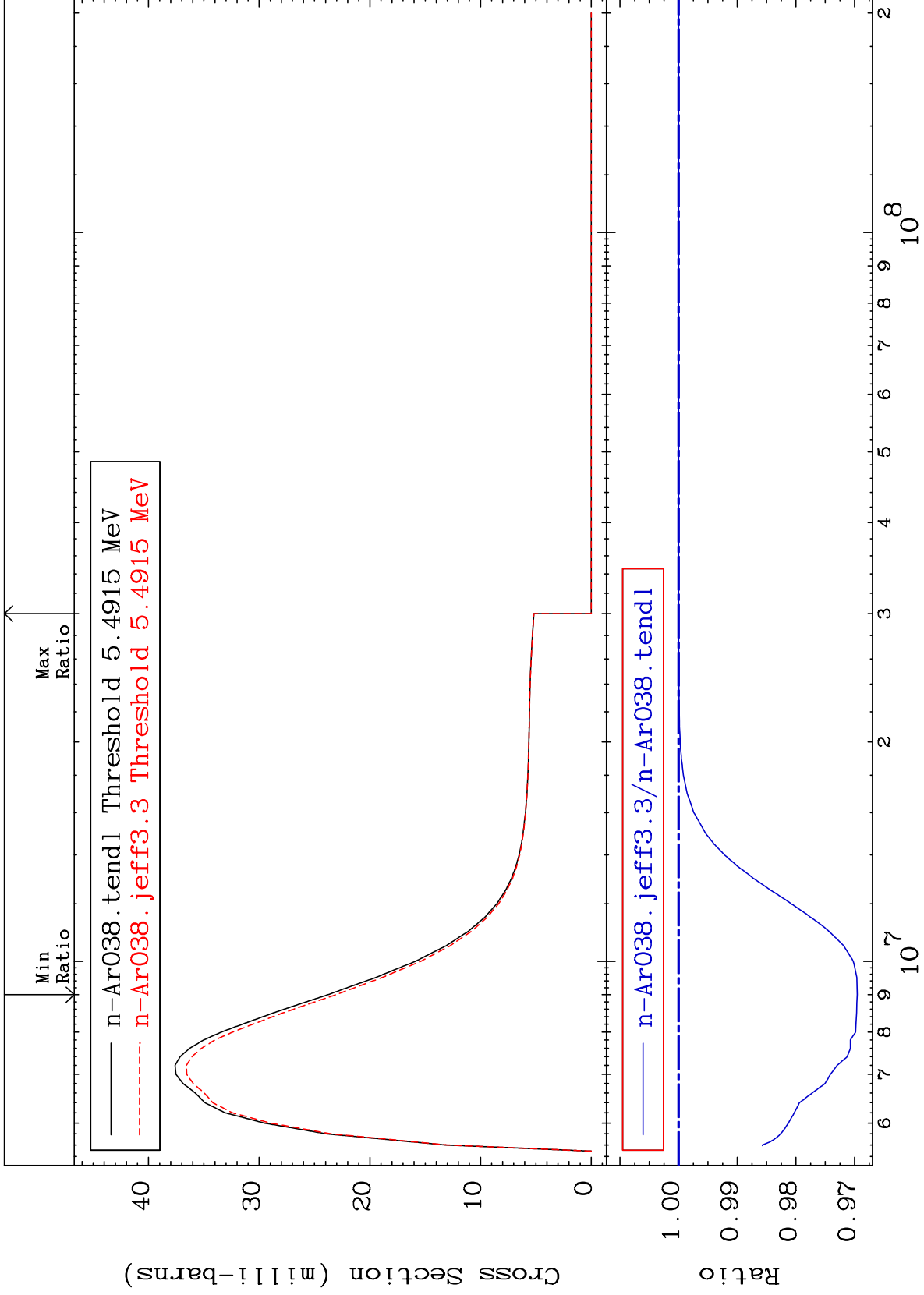
18-Ar-38
-4.679 To 0.000 %



MAT 1831

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

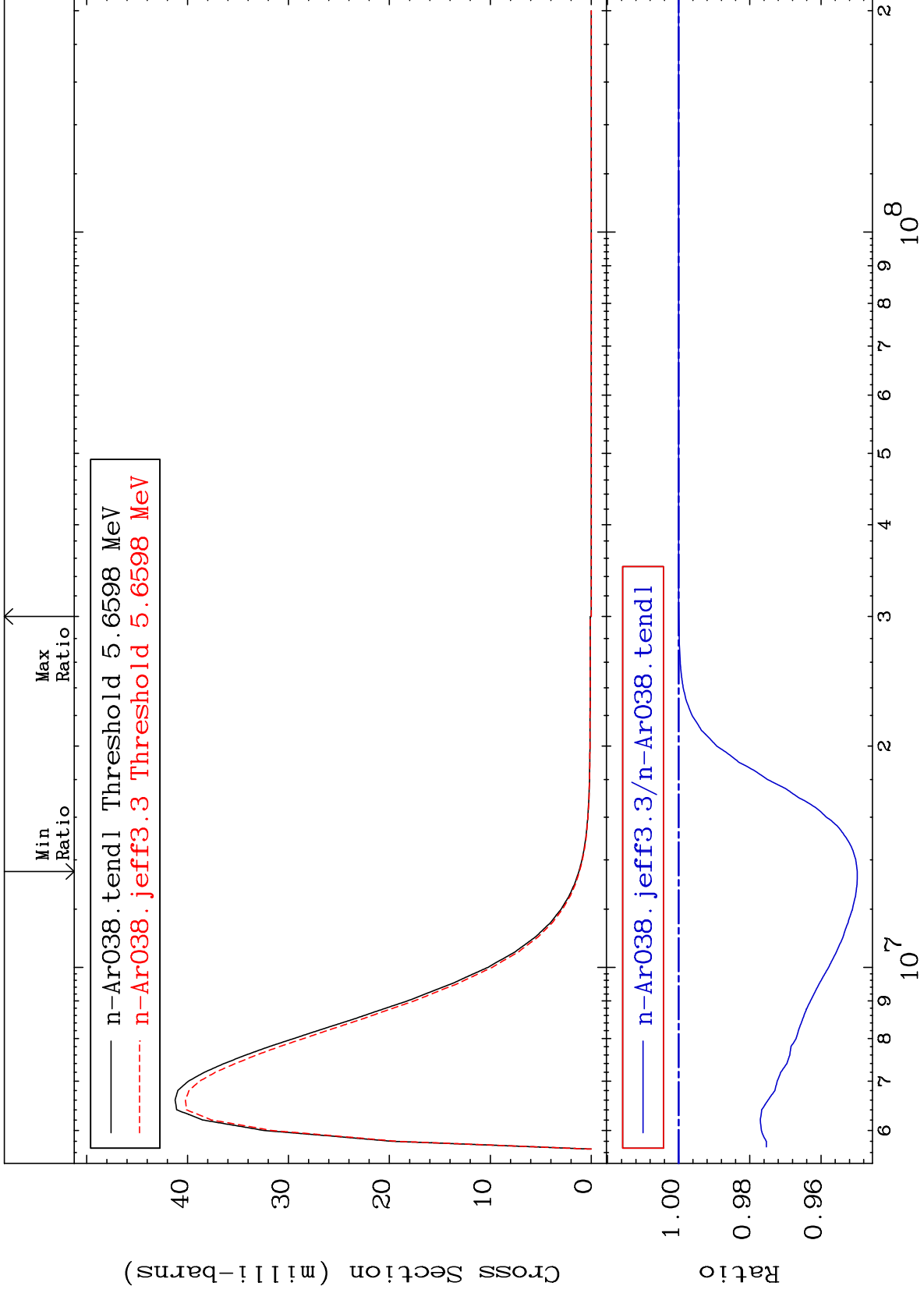
18-Ar-38
-3.045 To 0.000 %



MAT 1831

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

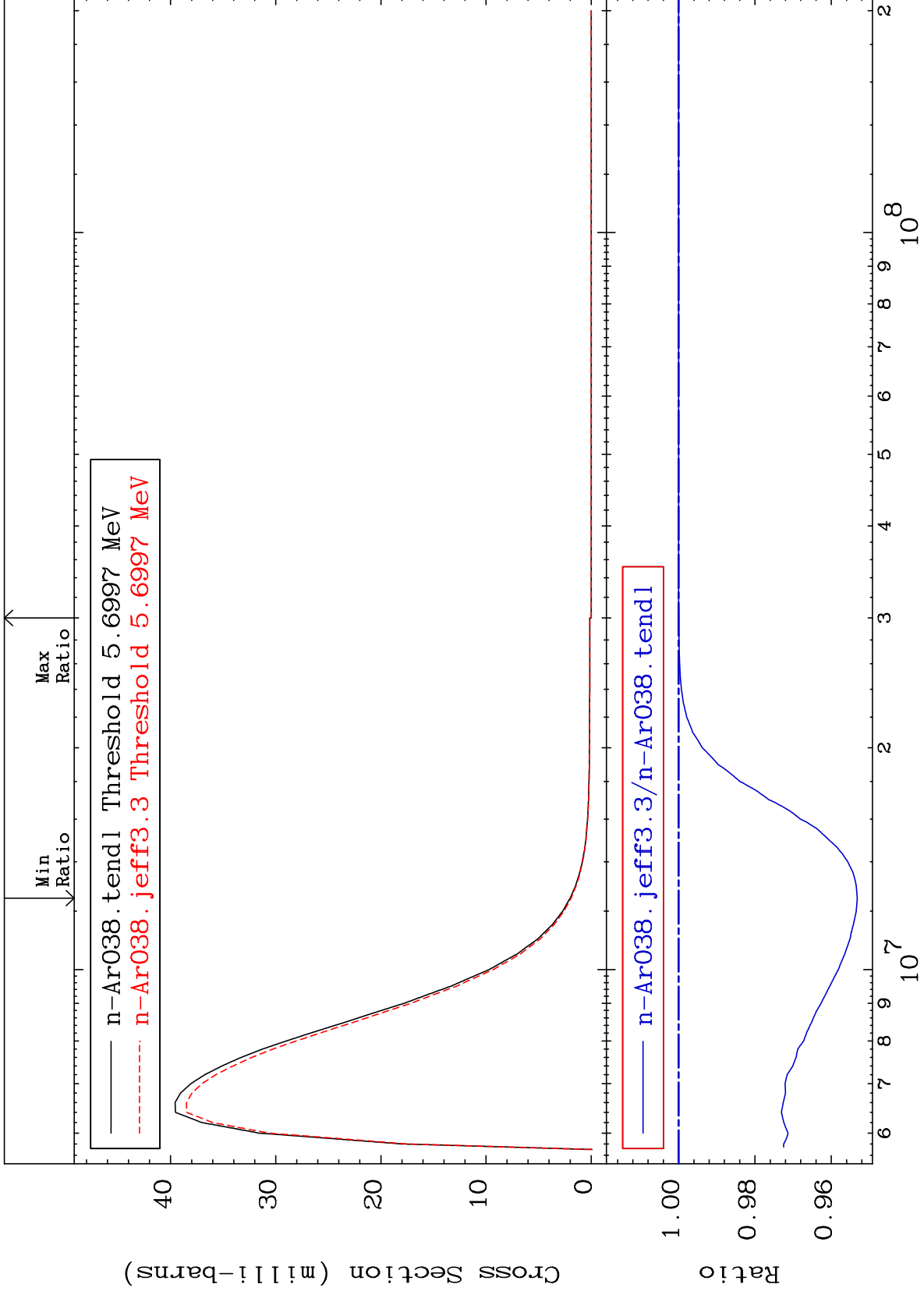
18-Ar-38
-5.018 To 0.000 %



MAT 1831

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

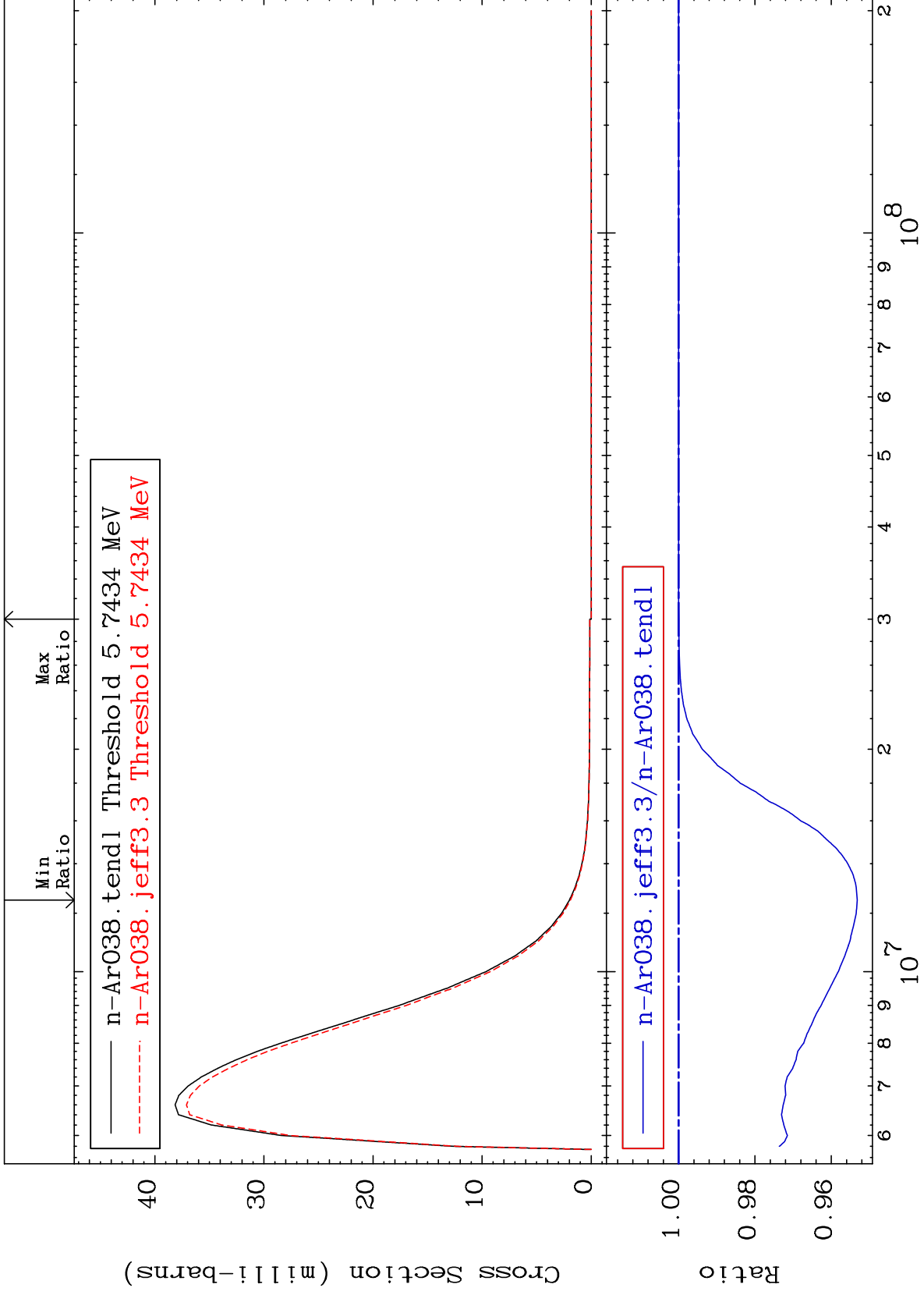
18-Ar-38
-4.680 To 0.000 %



MAT 1831

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

18-Ar-38
-4.679 To 0.000 %



31

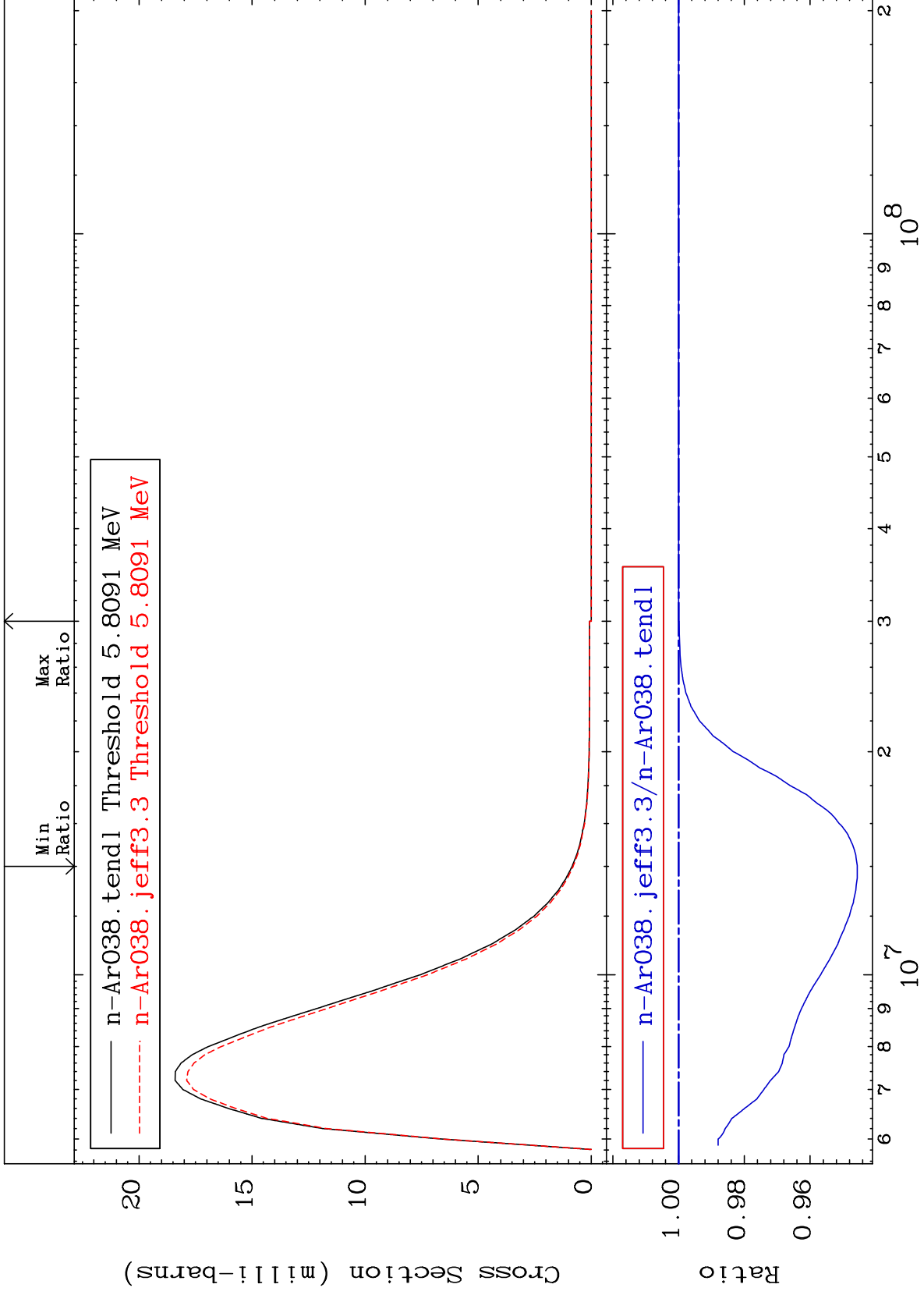
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38
-5.434 To 0.000 %



32

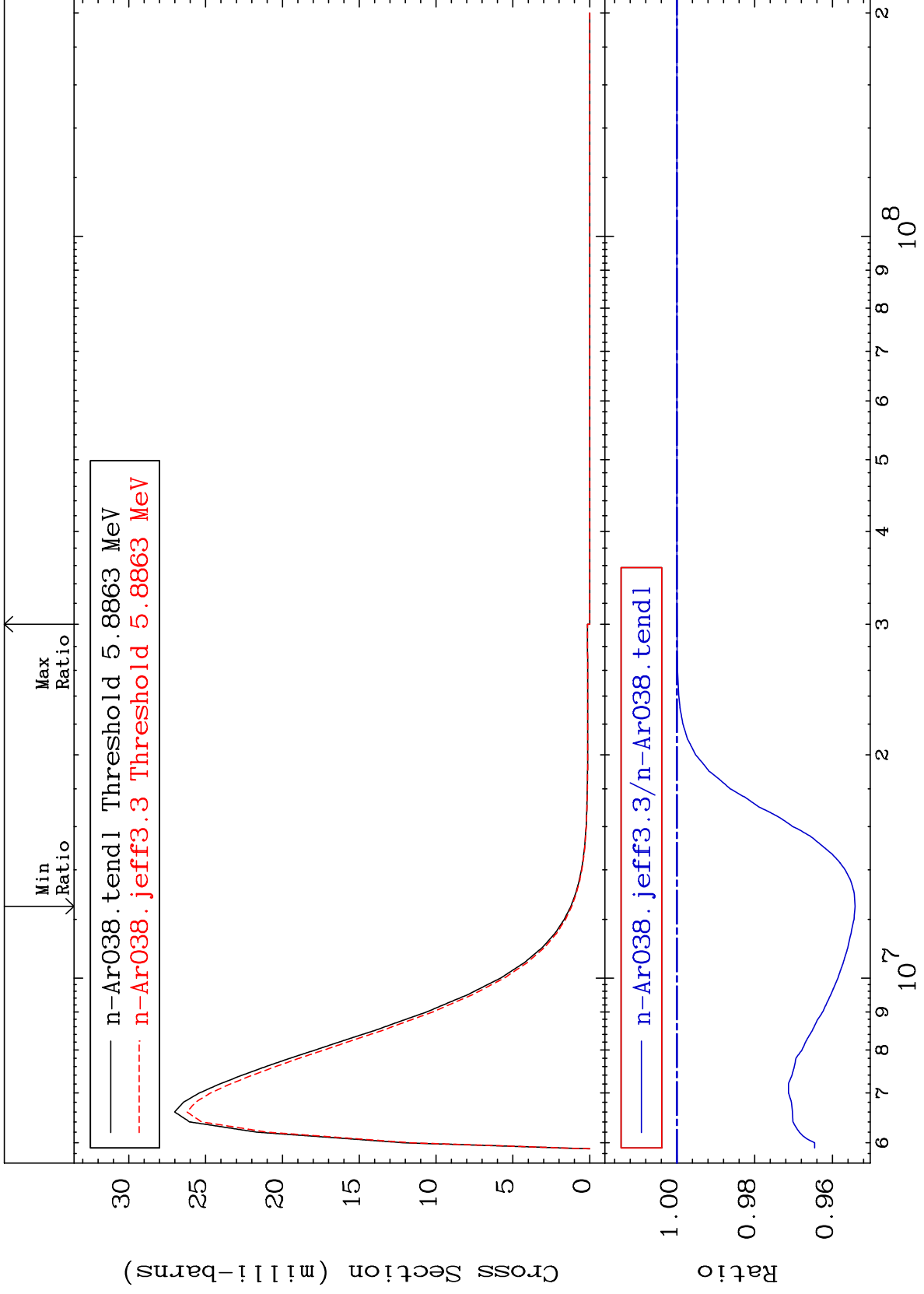
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38
-4.582 To 0.000 %



33

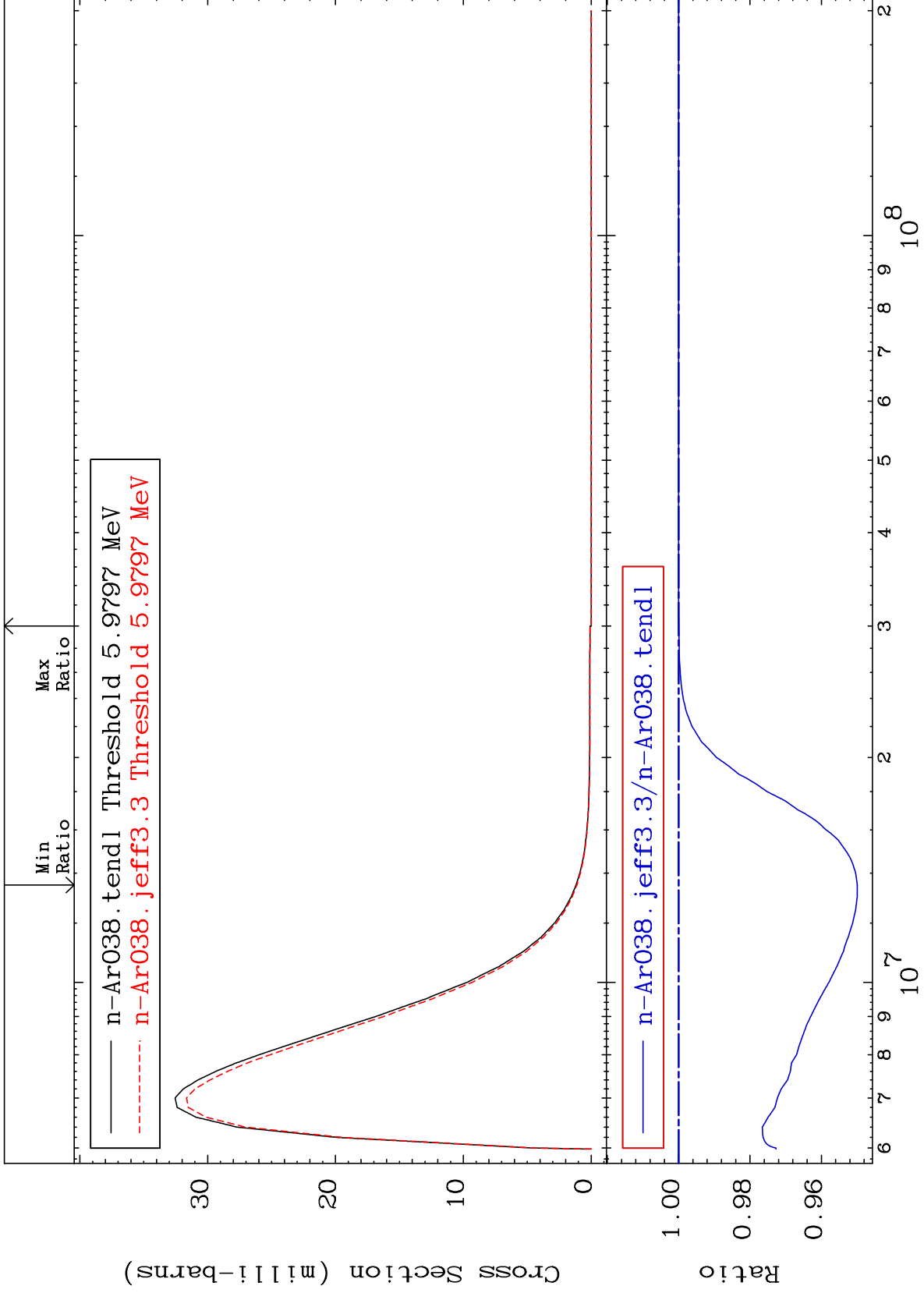
18-Ar-38

18-Ar-38

MAT 1831

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

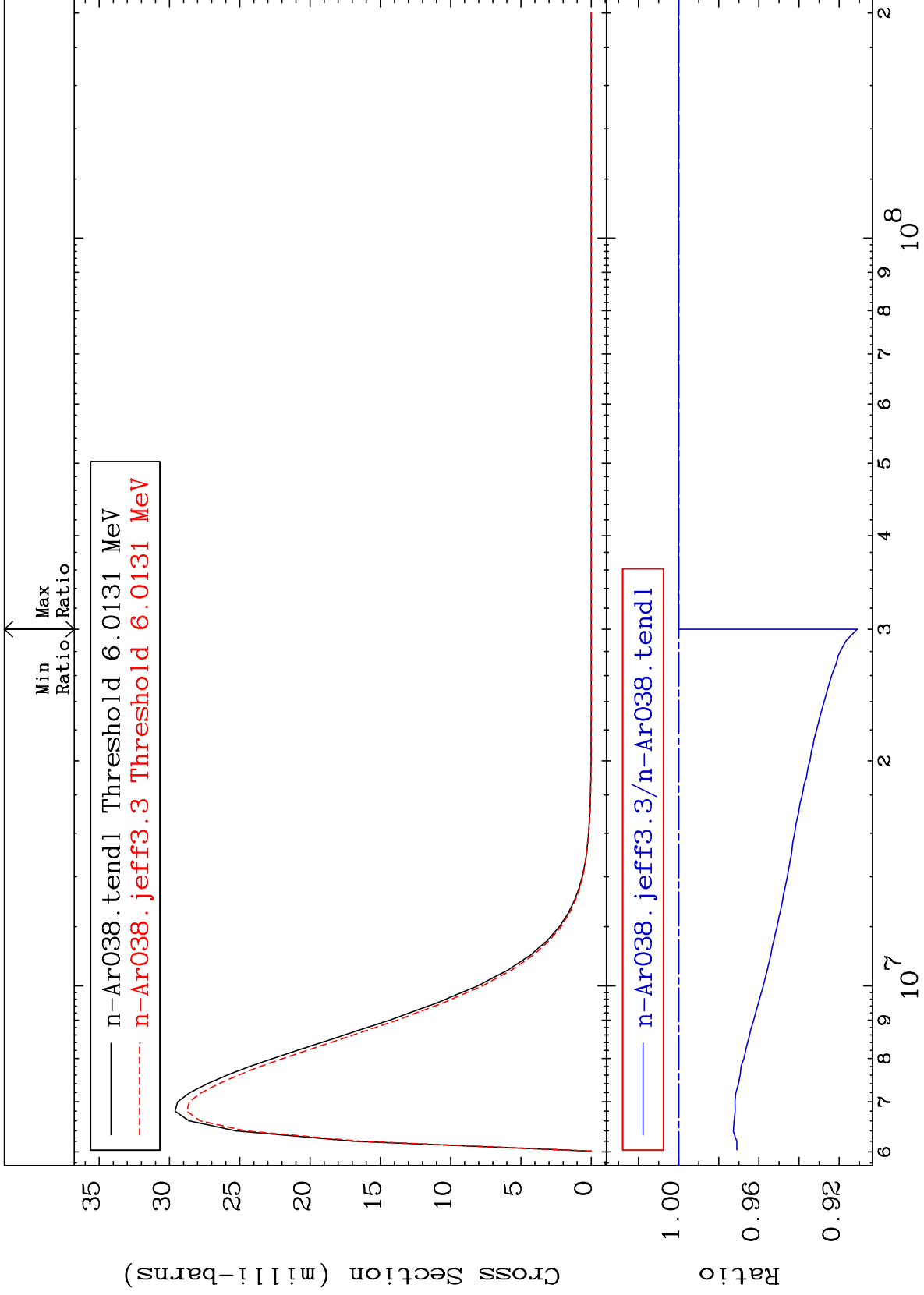
18-Ar-38
-5.005 To 0.000 %



MAT 1831

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

18-Ar-38
-8.901 To 0.000 %



35

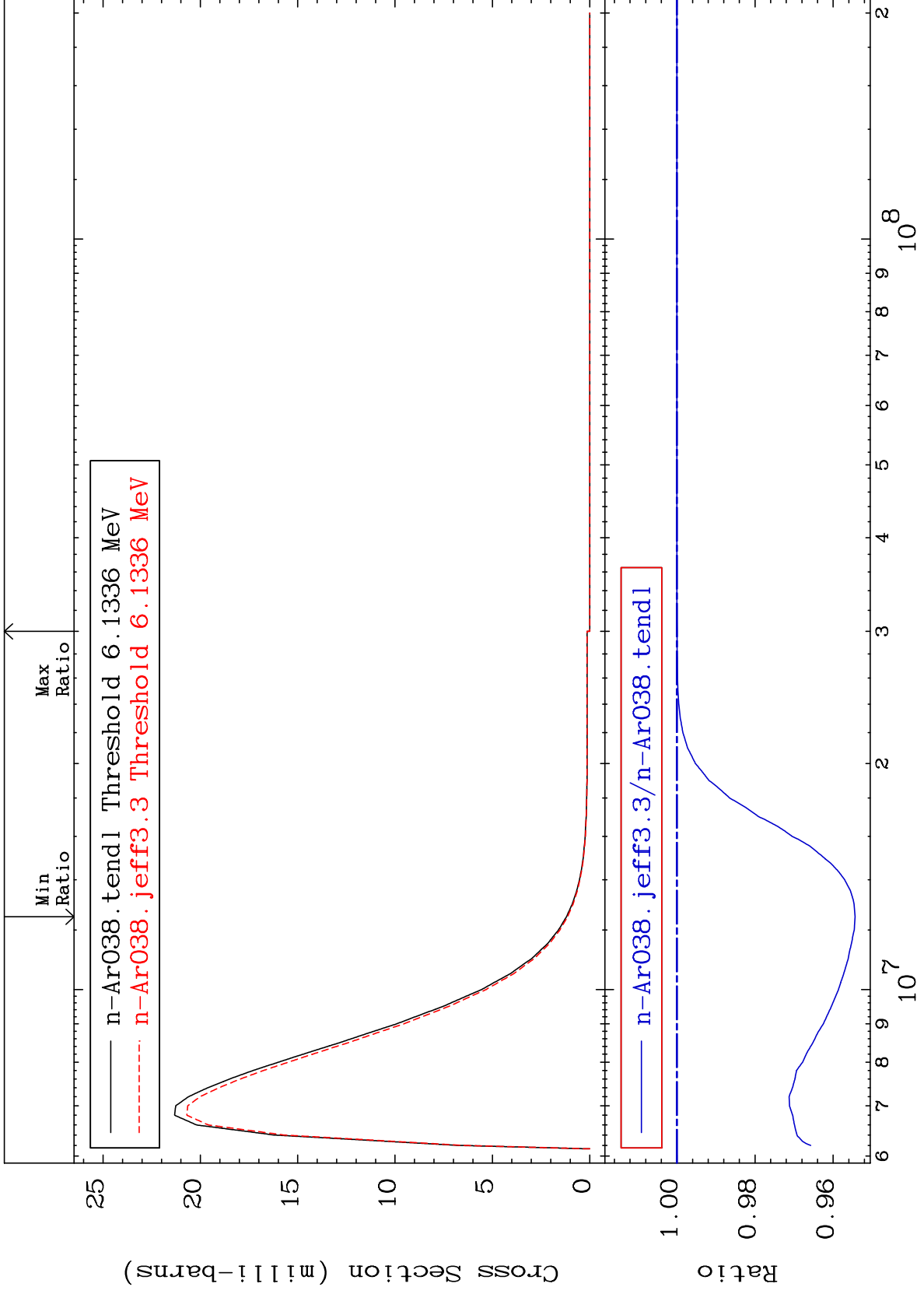
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38
-4.561 To 0.000 %



36

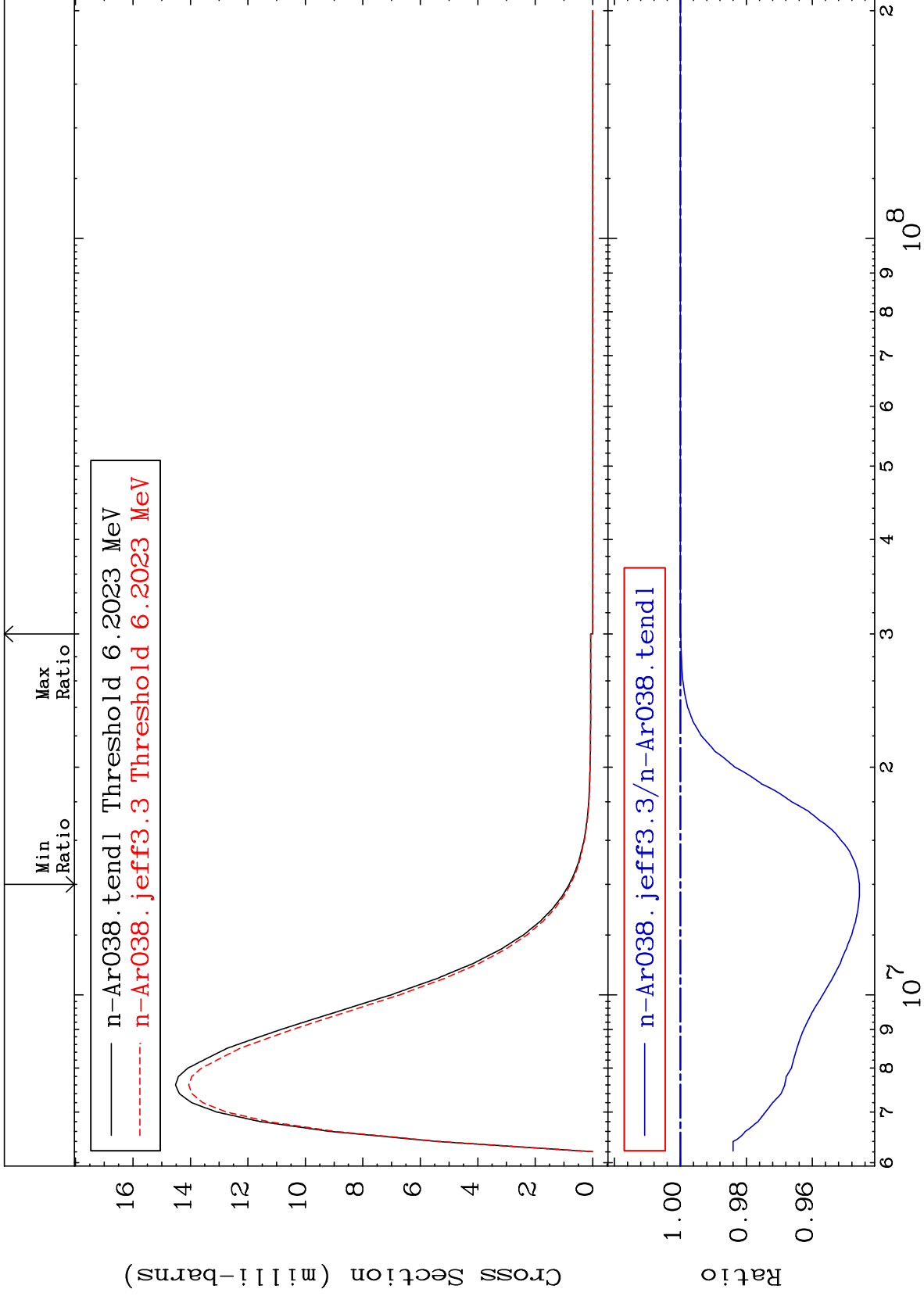
18-Ar-38

18-Ar-38

MAT 1831

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

18-Ar-38
-5.429 To 0.000 %



37

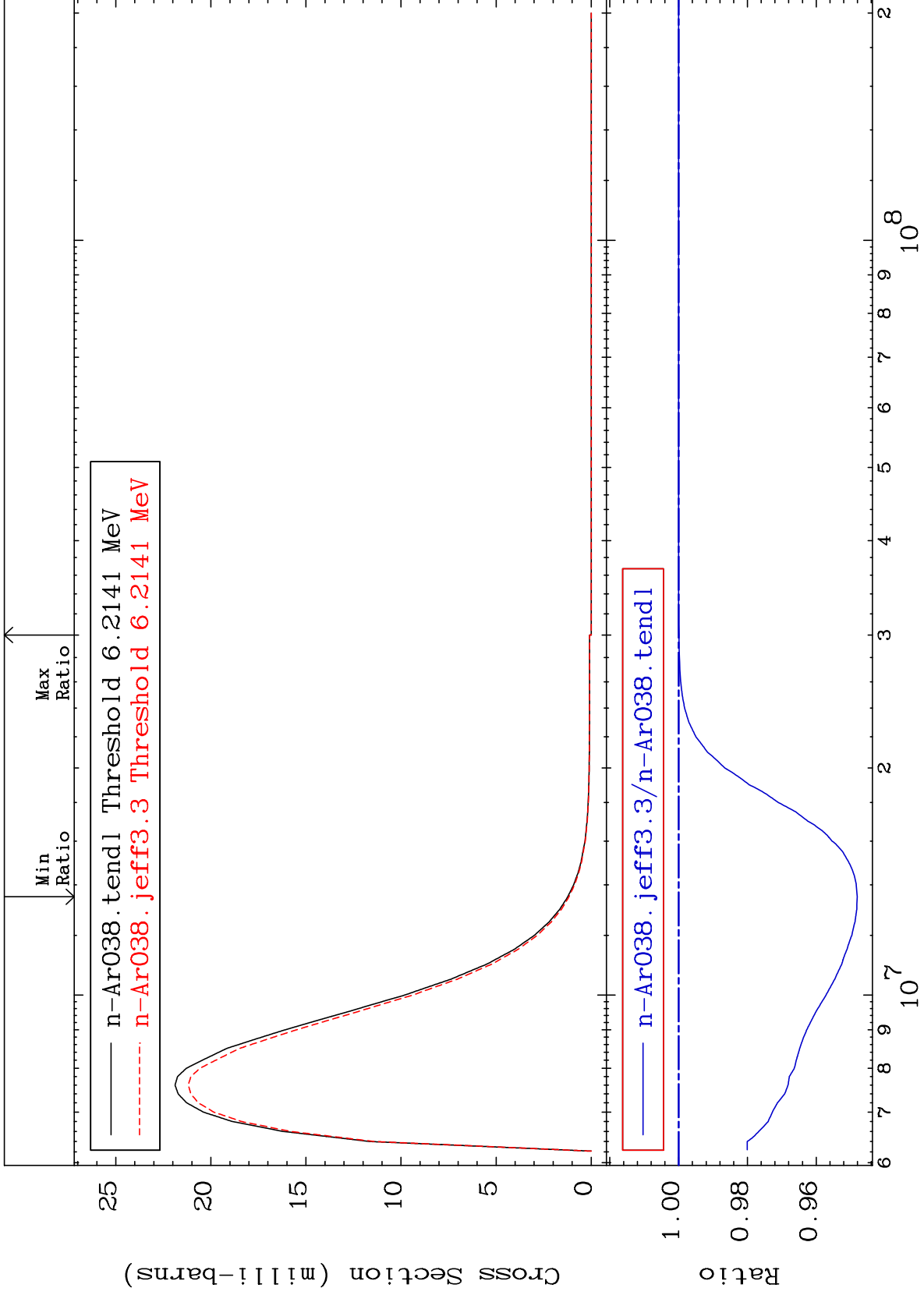
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38
-5.193 To 0.000 %



38

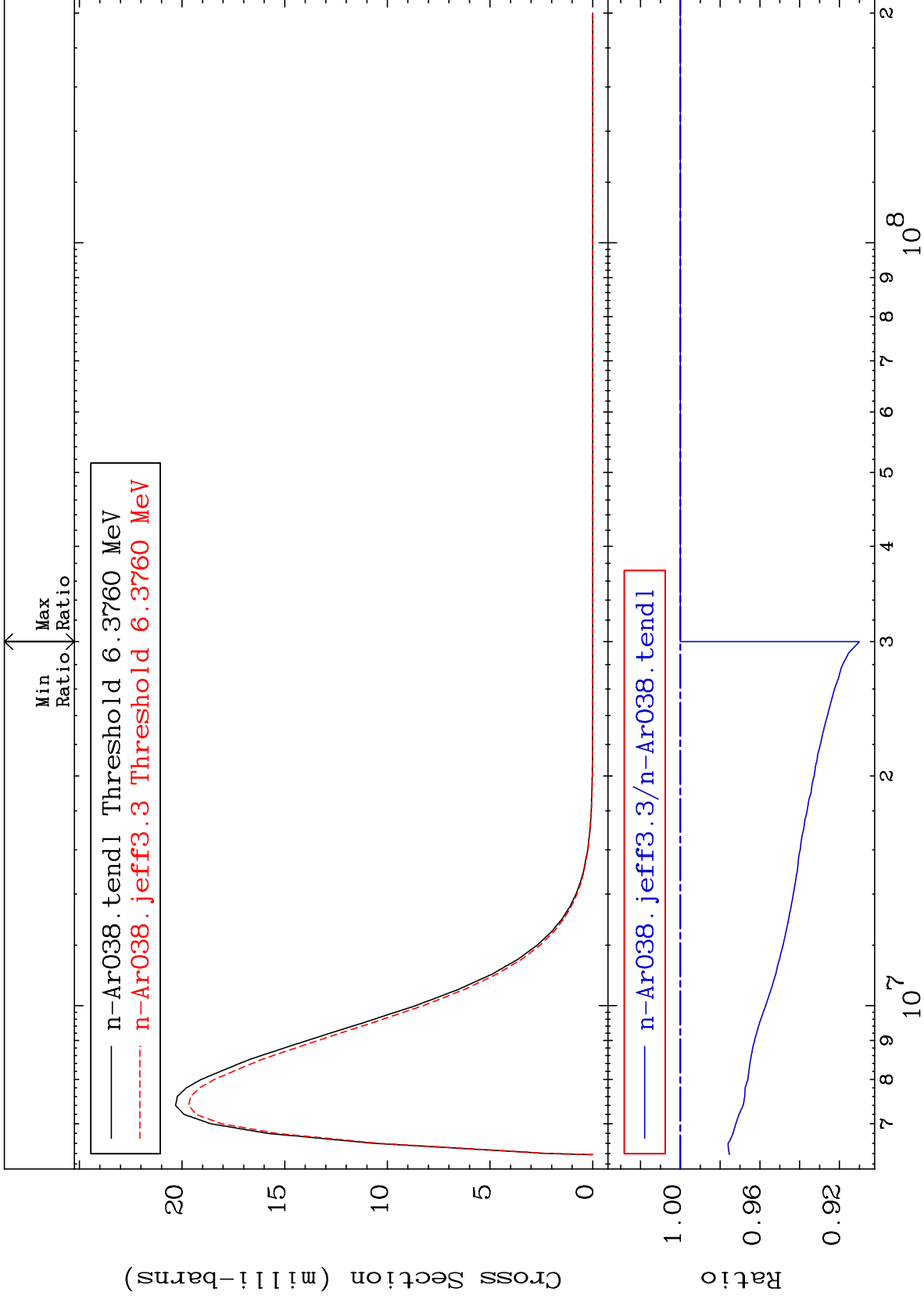
Incident Energy (eV)

18-Ar-38

MAT 1831

MT= 73 (n,n') Level
Cross Section

18-Ar-38
-9.005 To 0.000 %



39

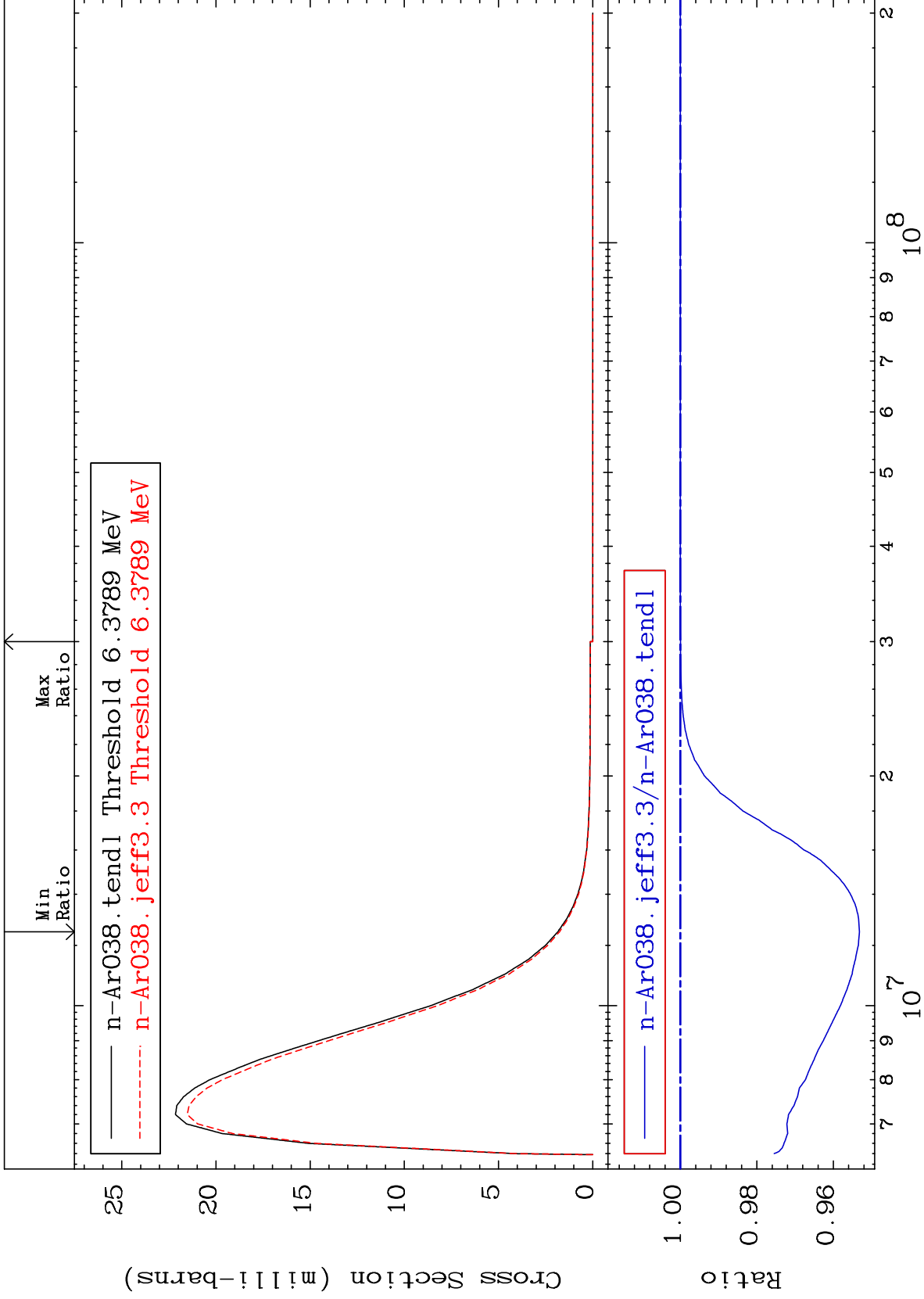
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38
-4.681 To 0.000 %



40

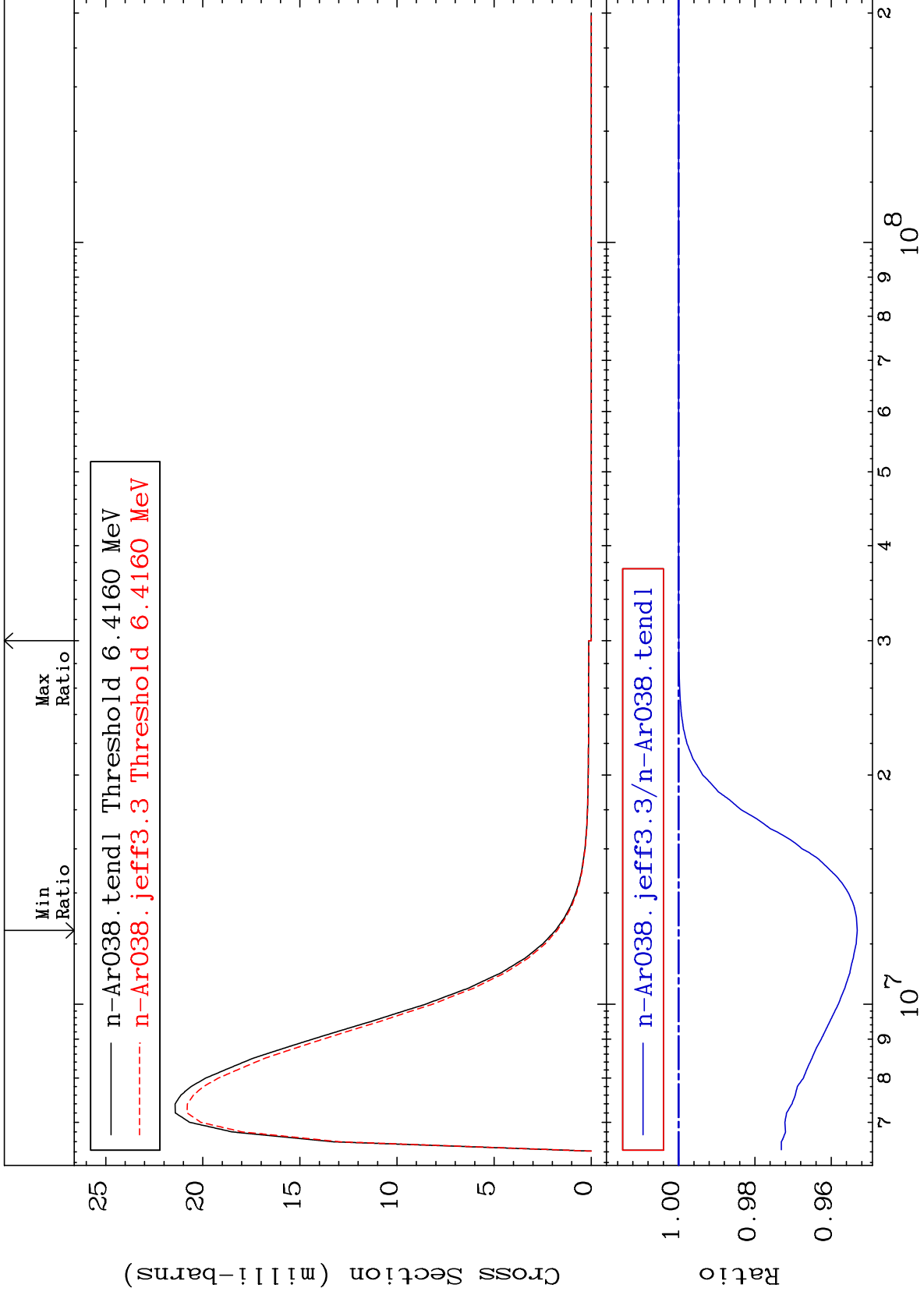
Incident Energy (eV)

18-Ar-38

MAT 1831

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

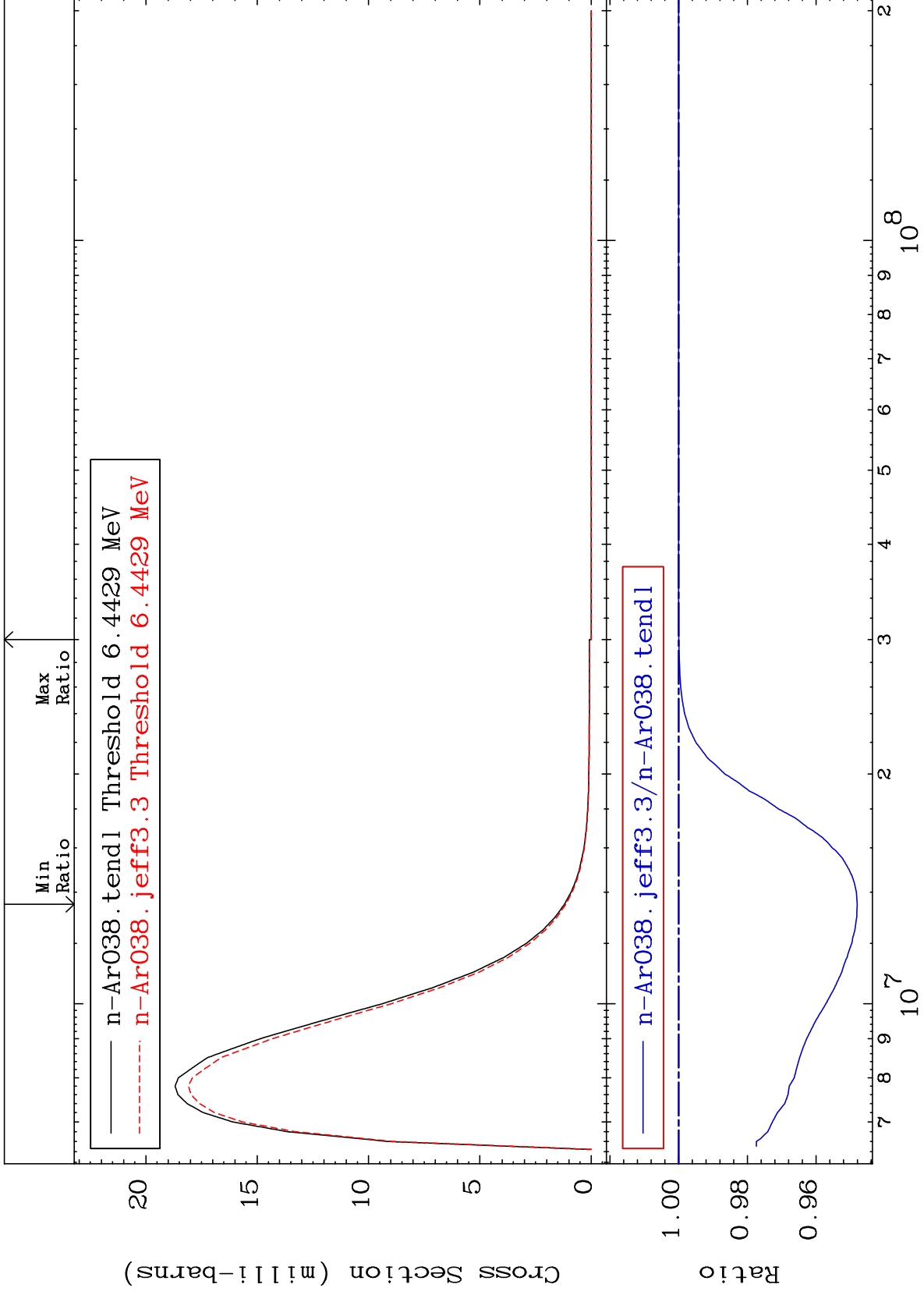
18-Ar-38
-4.682 To 0.000 %



MAT 1831

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

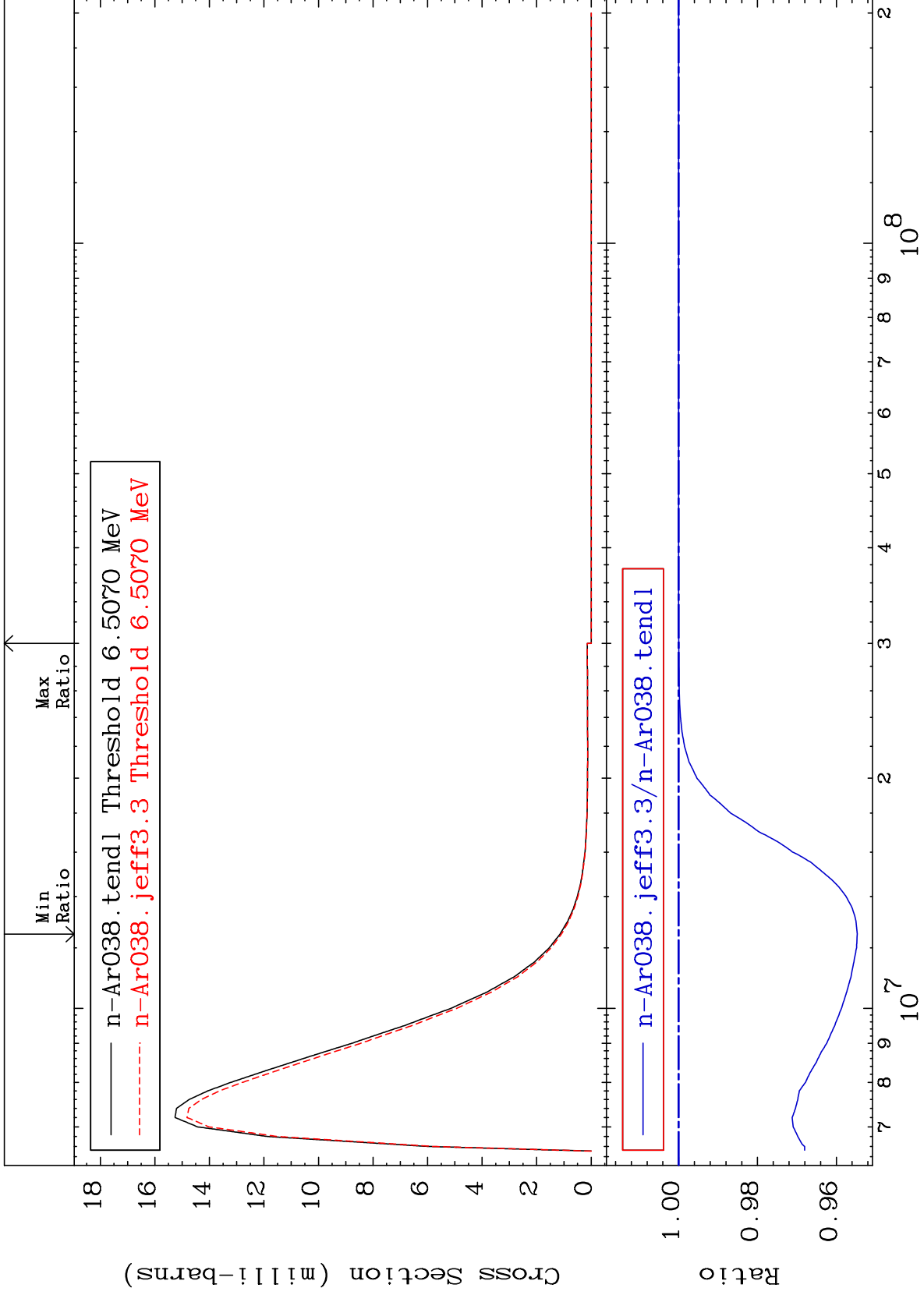
18-Ar-38
-5.197 To 0.000 %



MAT 1831

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

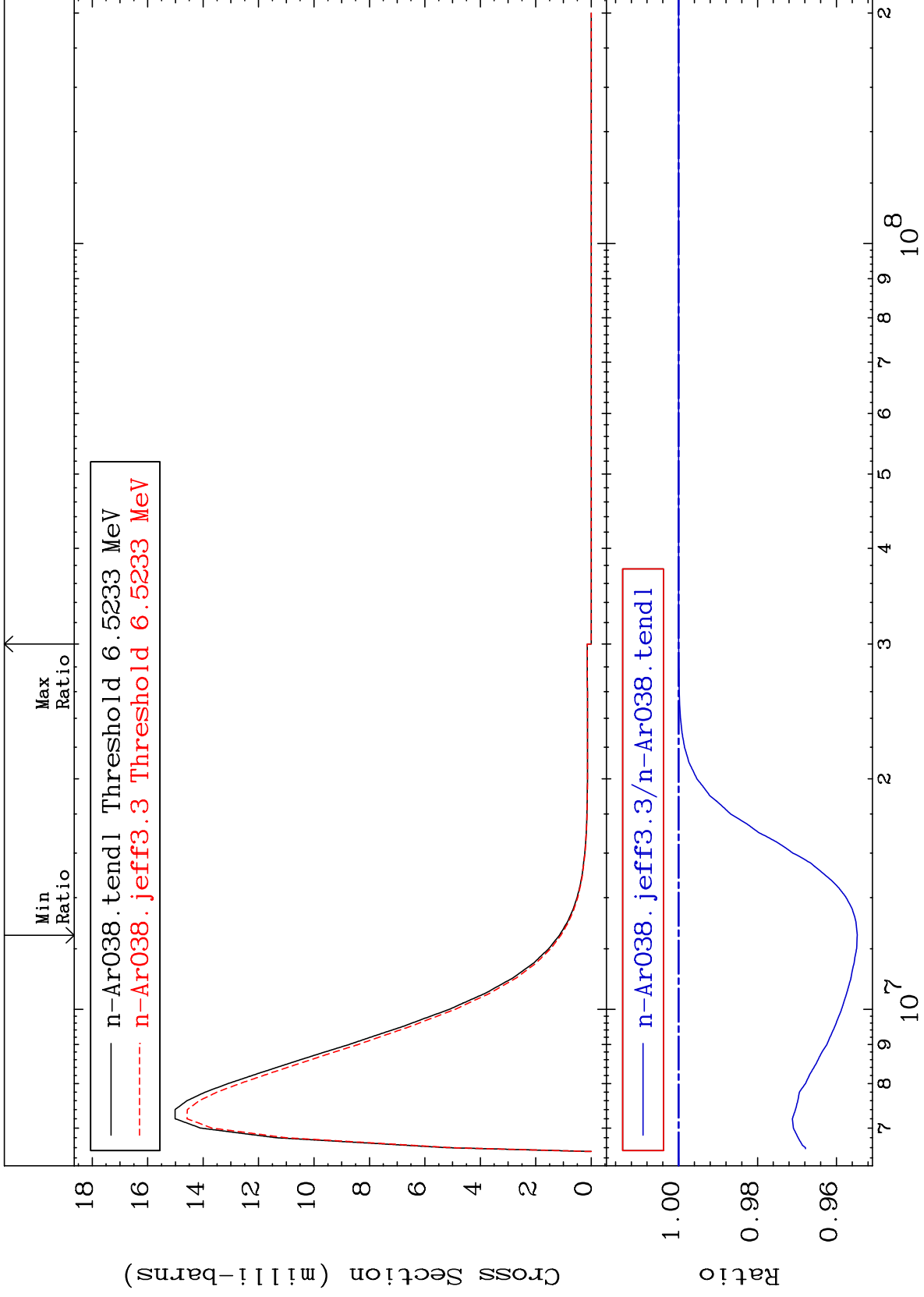
18-Ar-38
-4.530 To 0.000 %



MAT 1831

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

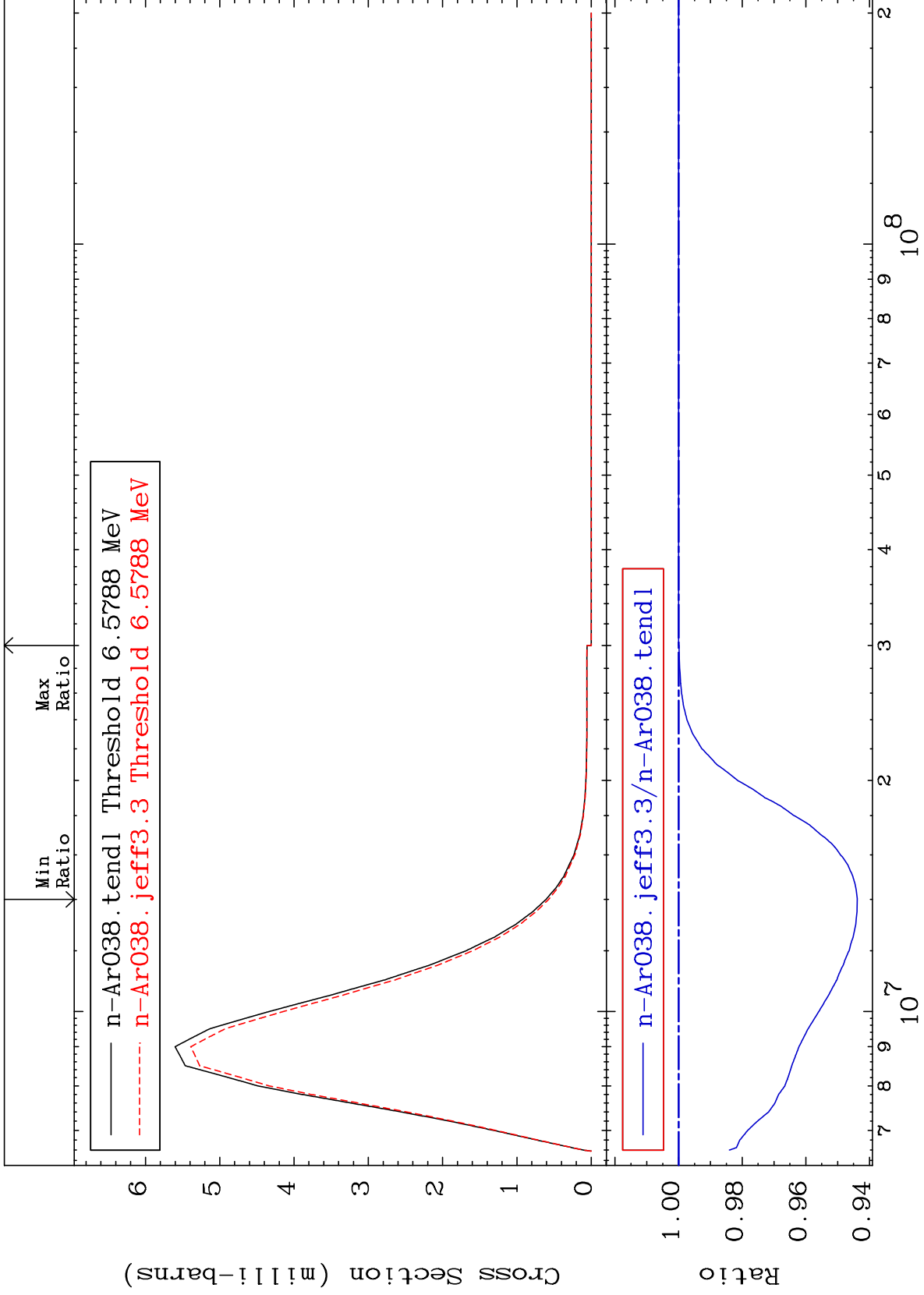
18-Ar-38
-4.528 To 0.000 %



MAT 1831

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

18-Ar-38
-5.617 To 0.000 %



45

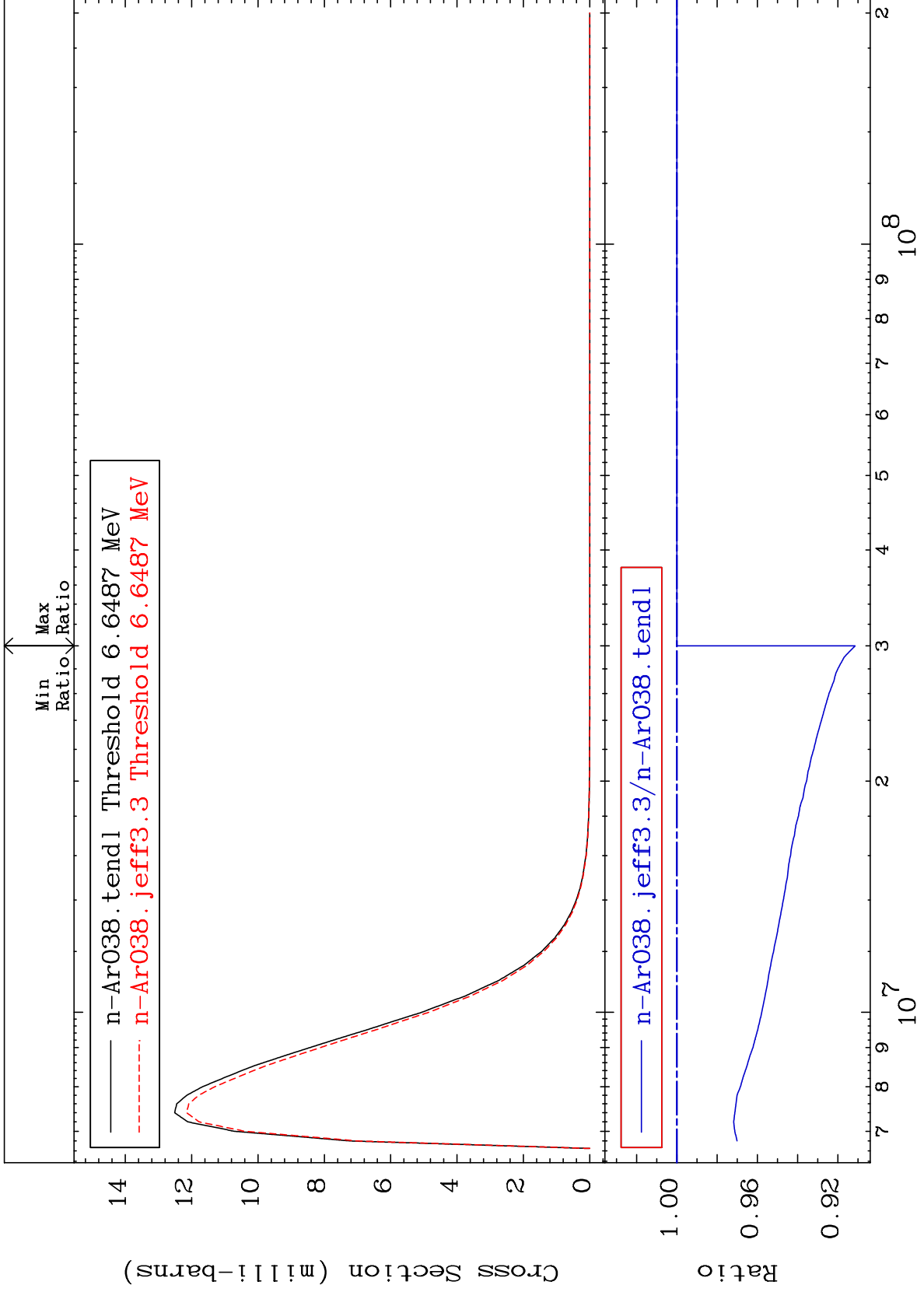
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38
-8.851 To 0.000 %



46

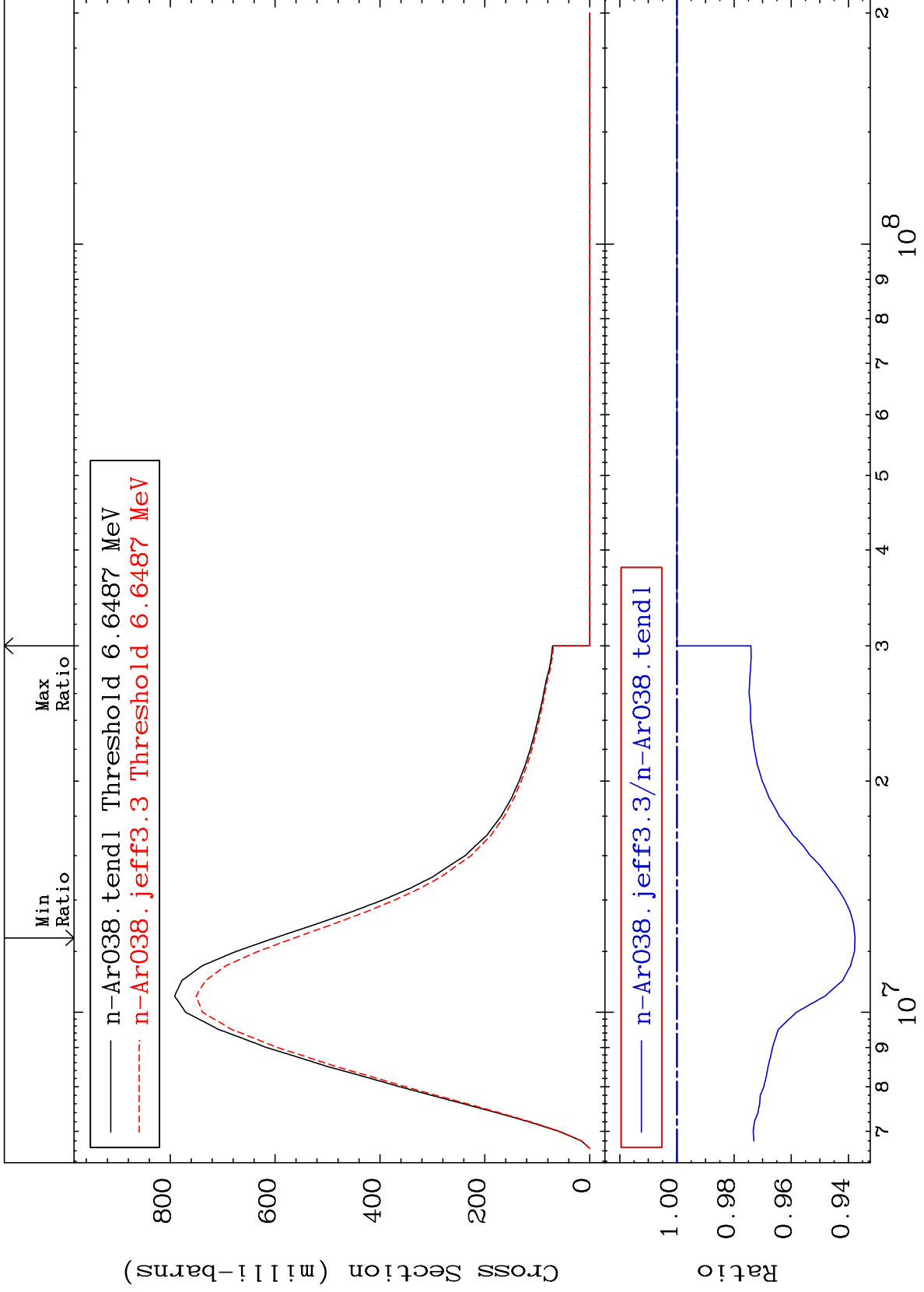
18-Ar-38

18-Ar-38

MAT 1831

(n, n') Continuum
Cross Section

18-Ar-38
-6.235 To 0.000 %

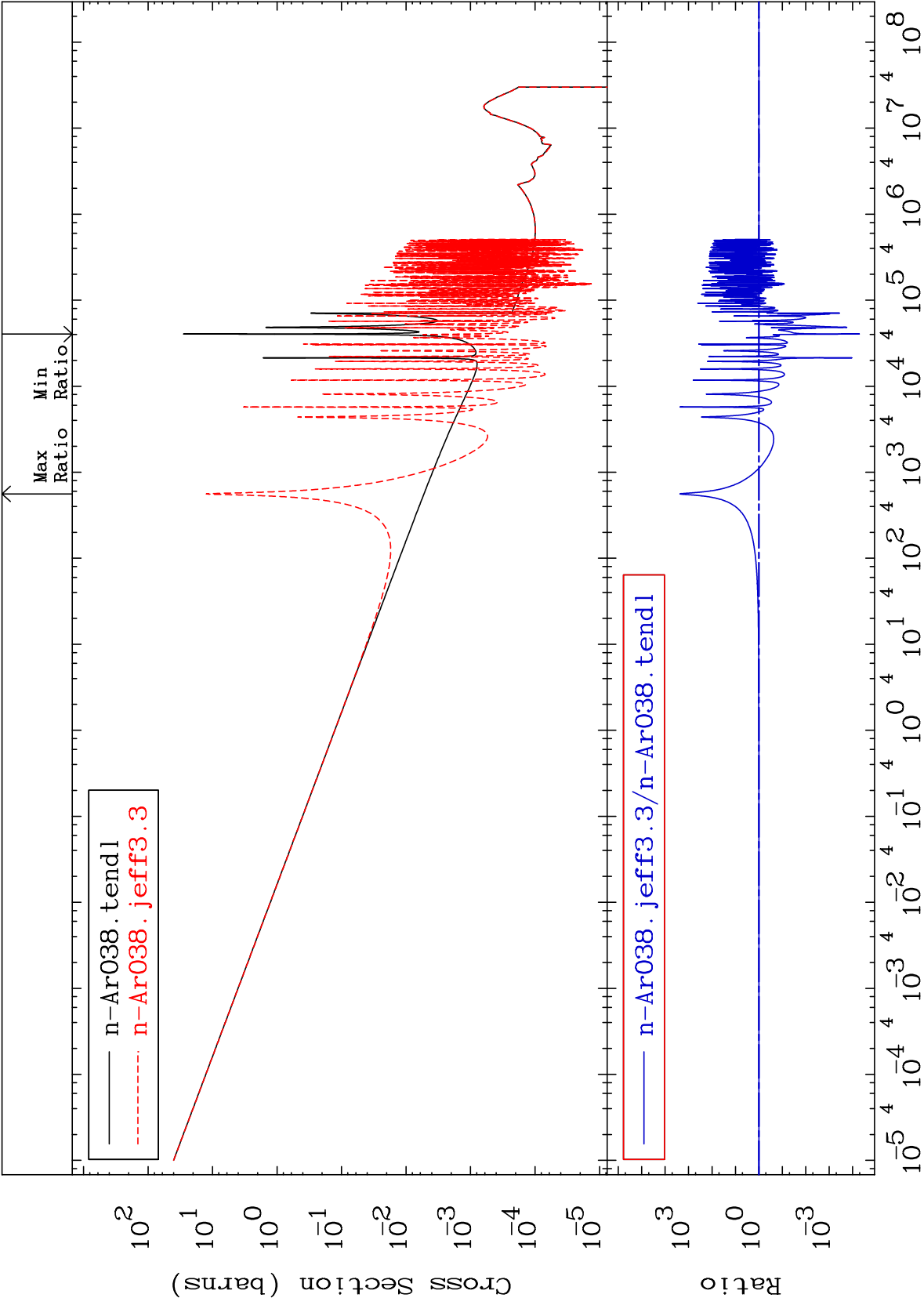


47

Incident Energy (eV)

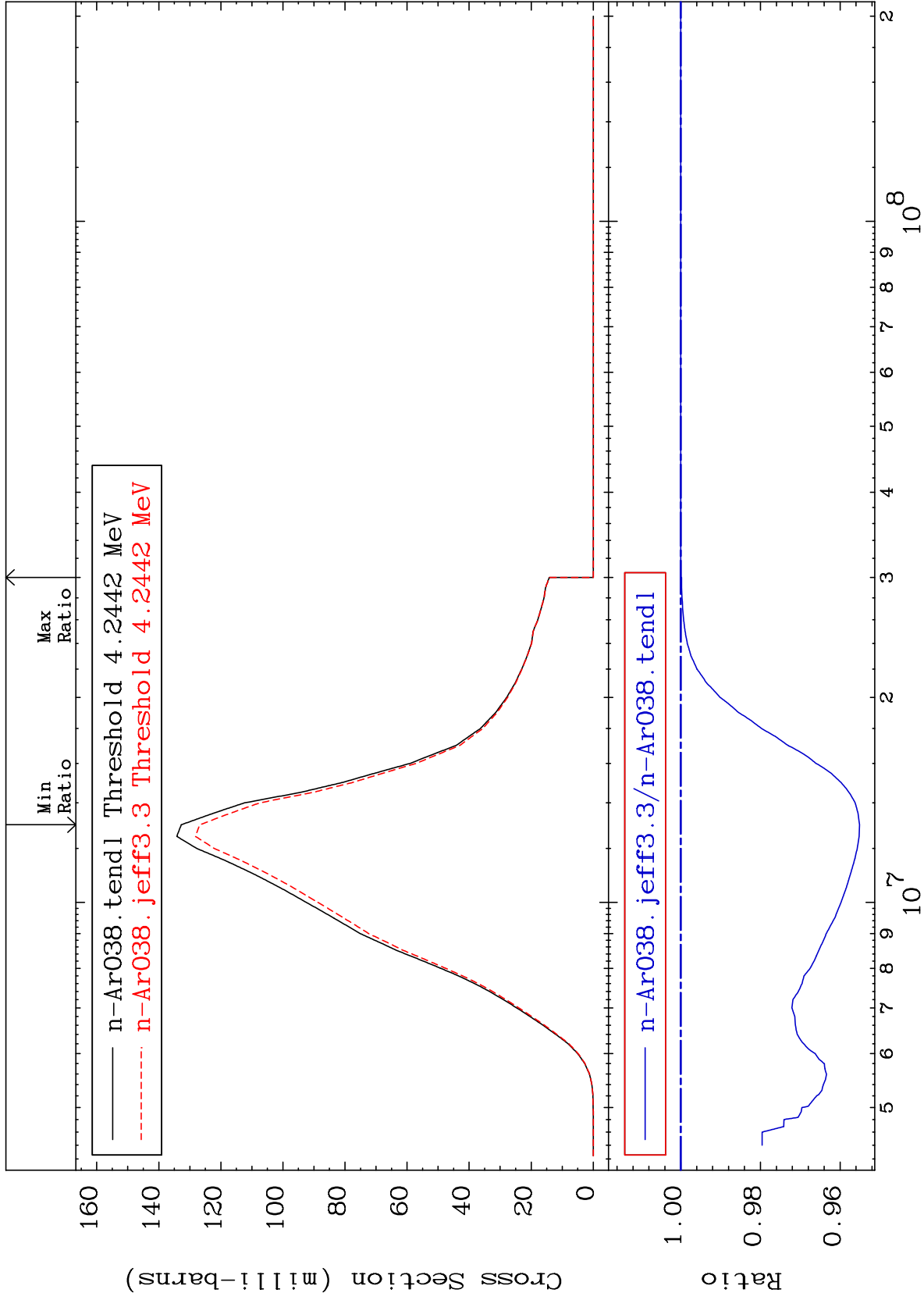
18-Ar-38

(n, γ)
Cross Section



Incident Energy (eV)

(n,p)
Cross Section
-4.486 To 0.000 %



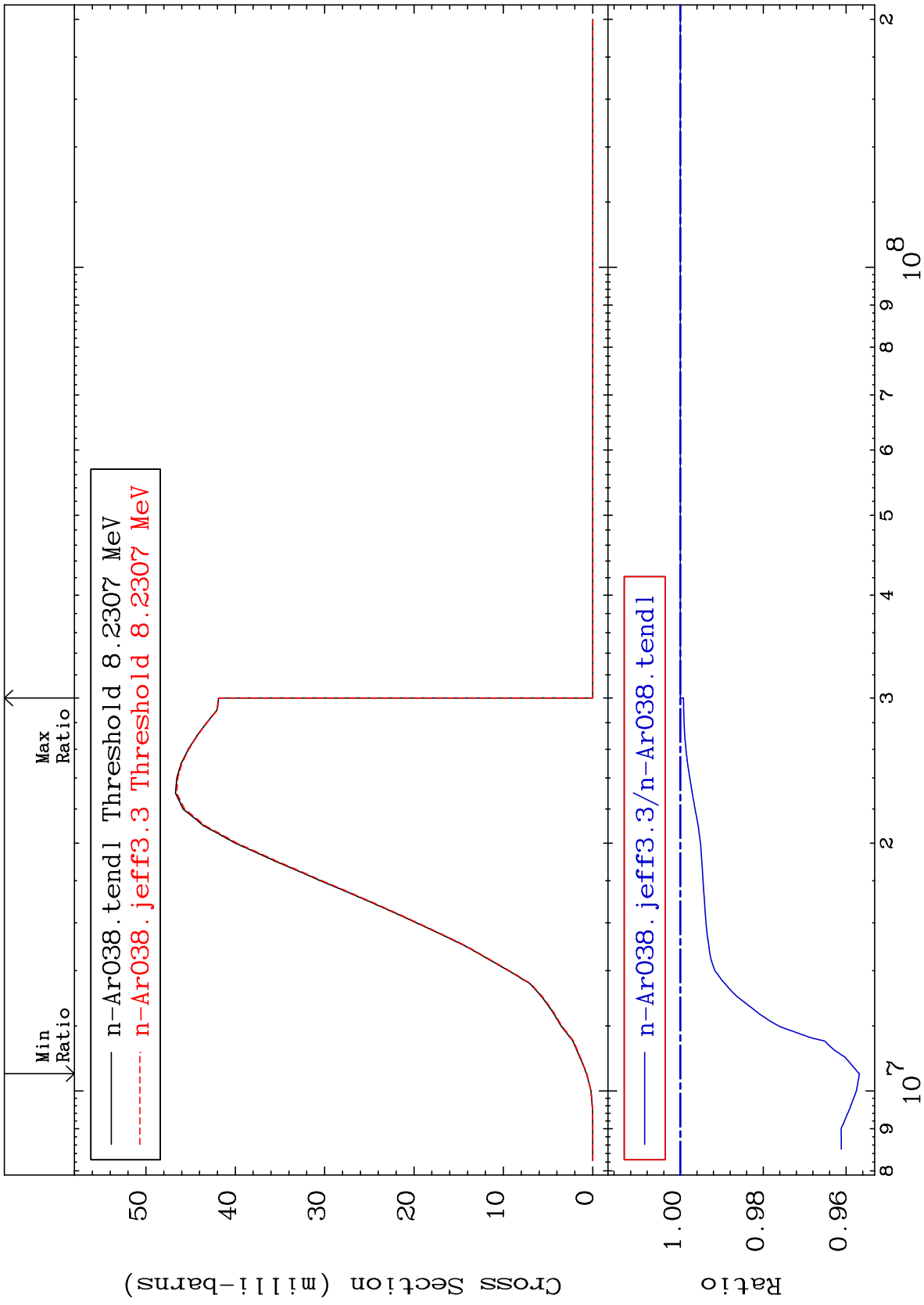
MAT 1831

(n, d)

18-Ar-38

Cross Section

-4.322 To 0.000 %

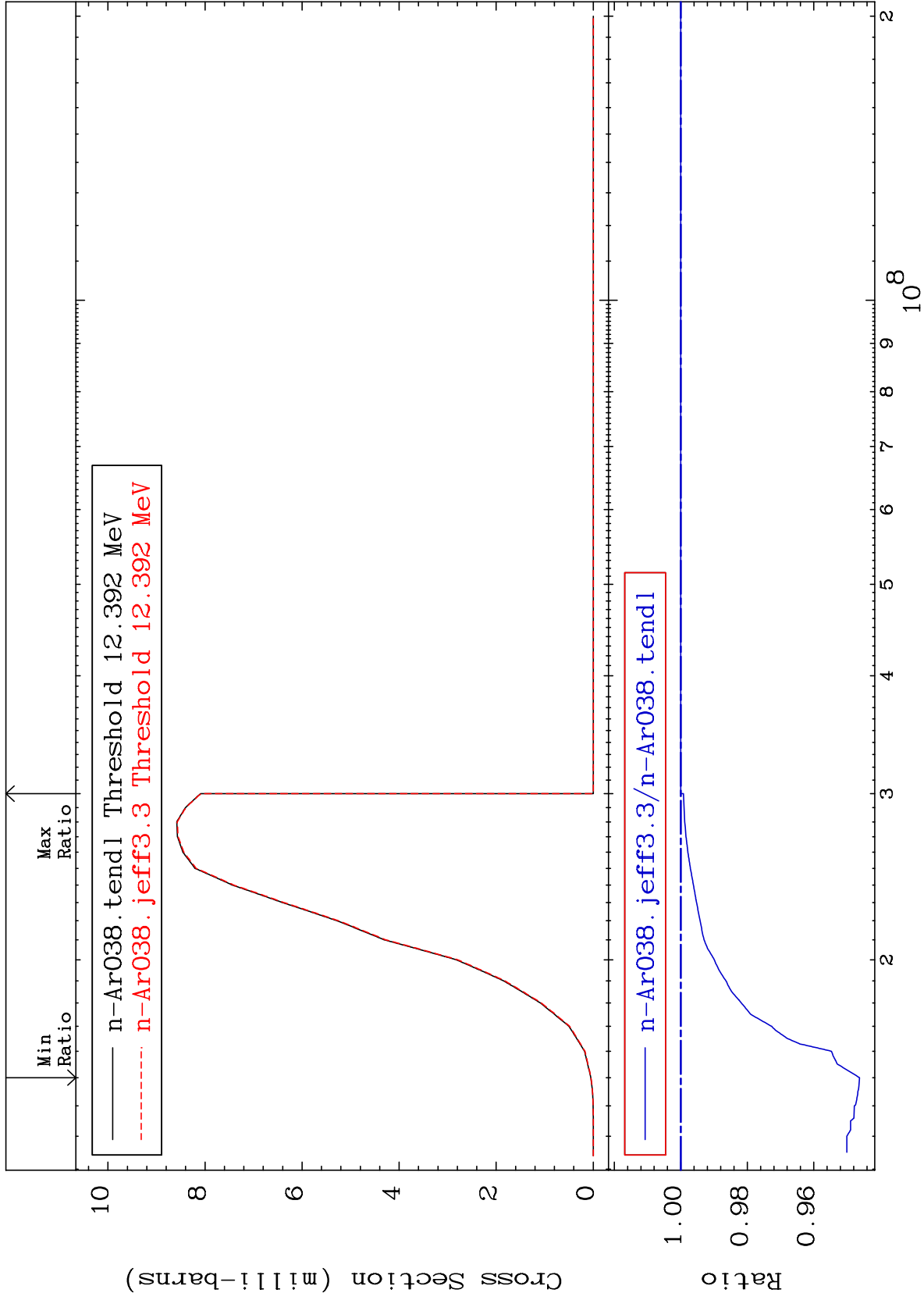


50

18-Ar-38

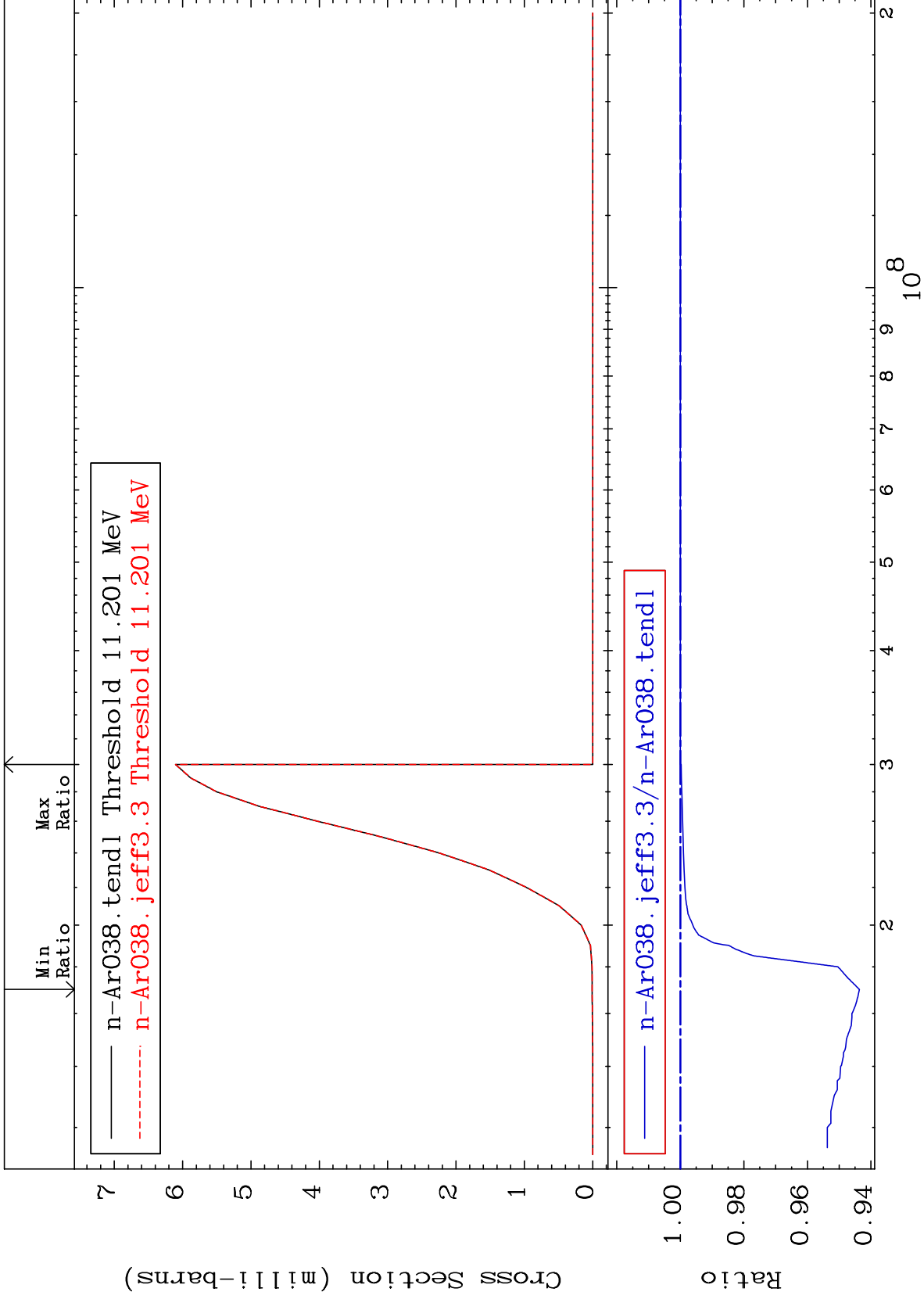
Cross Section

-5.376 To 0.000 %



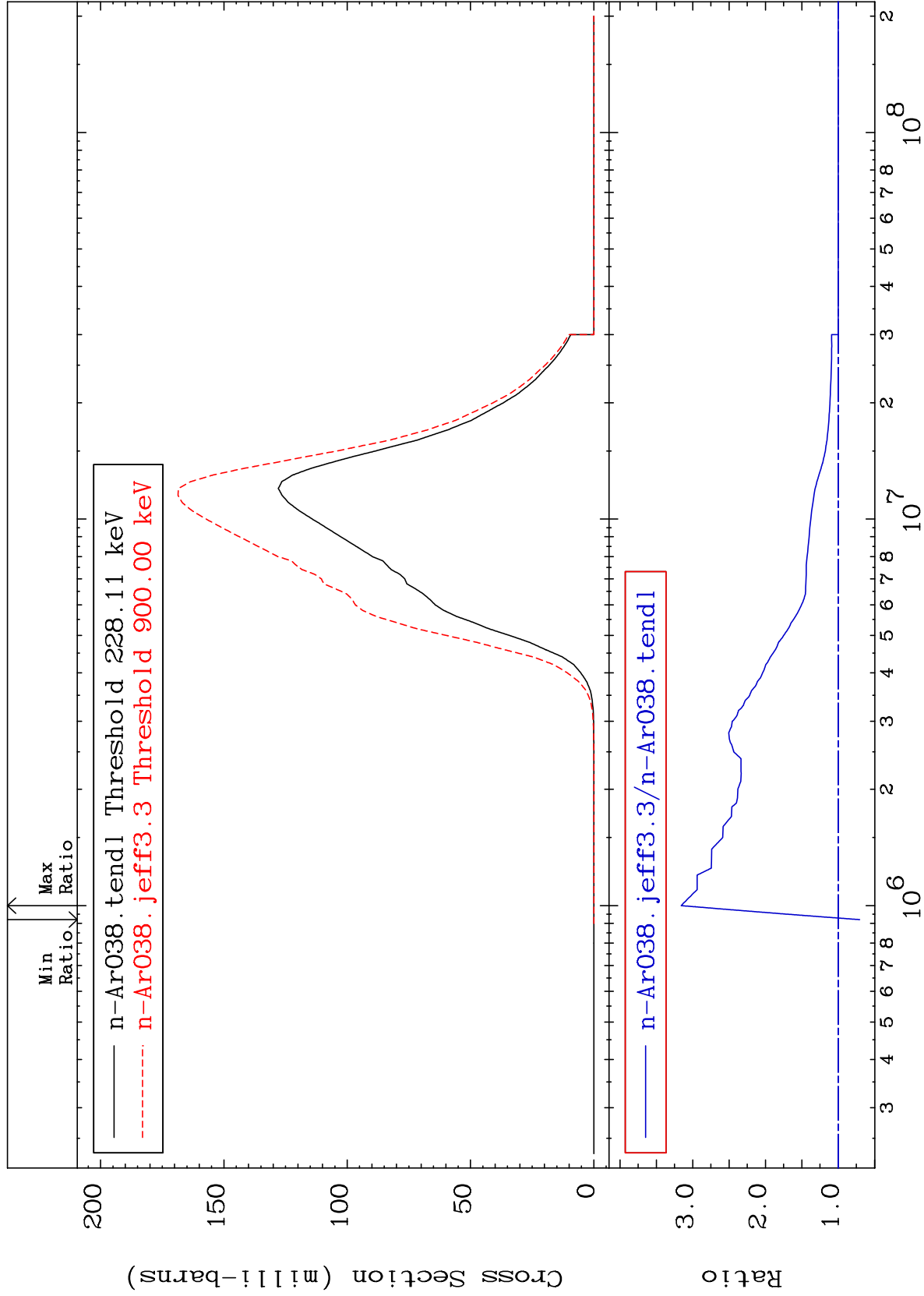
Cross Section

-5.636 To 0.000 %



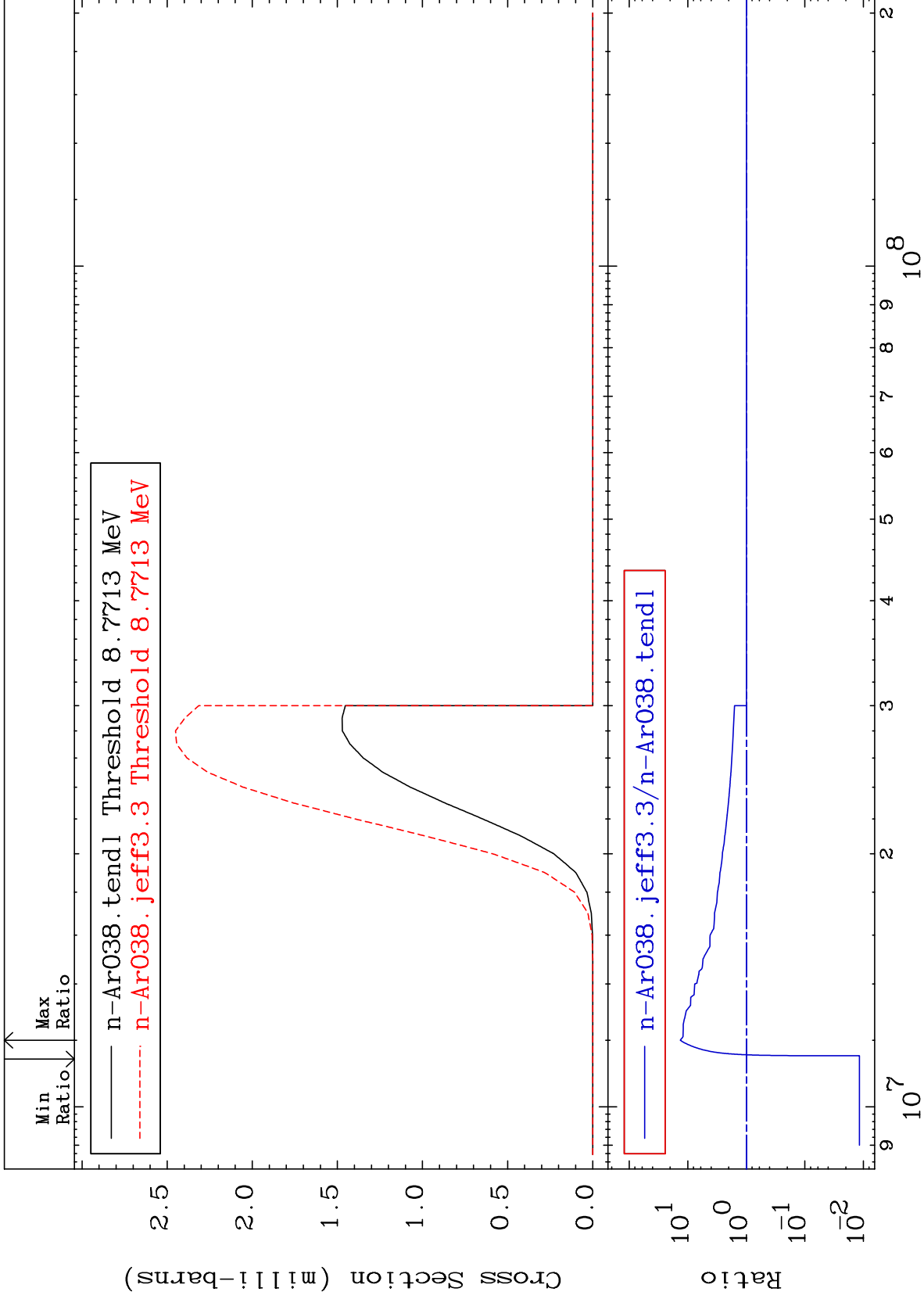
Cross Section

-29.52 To 215.9 %



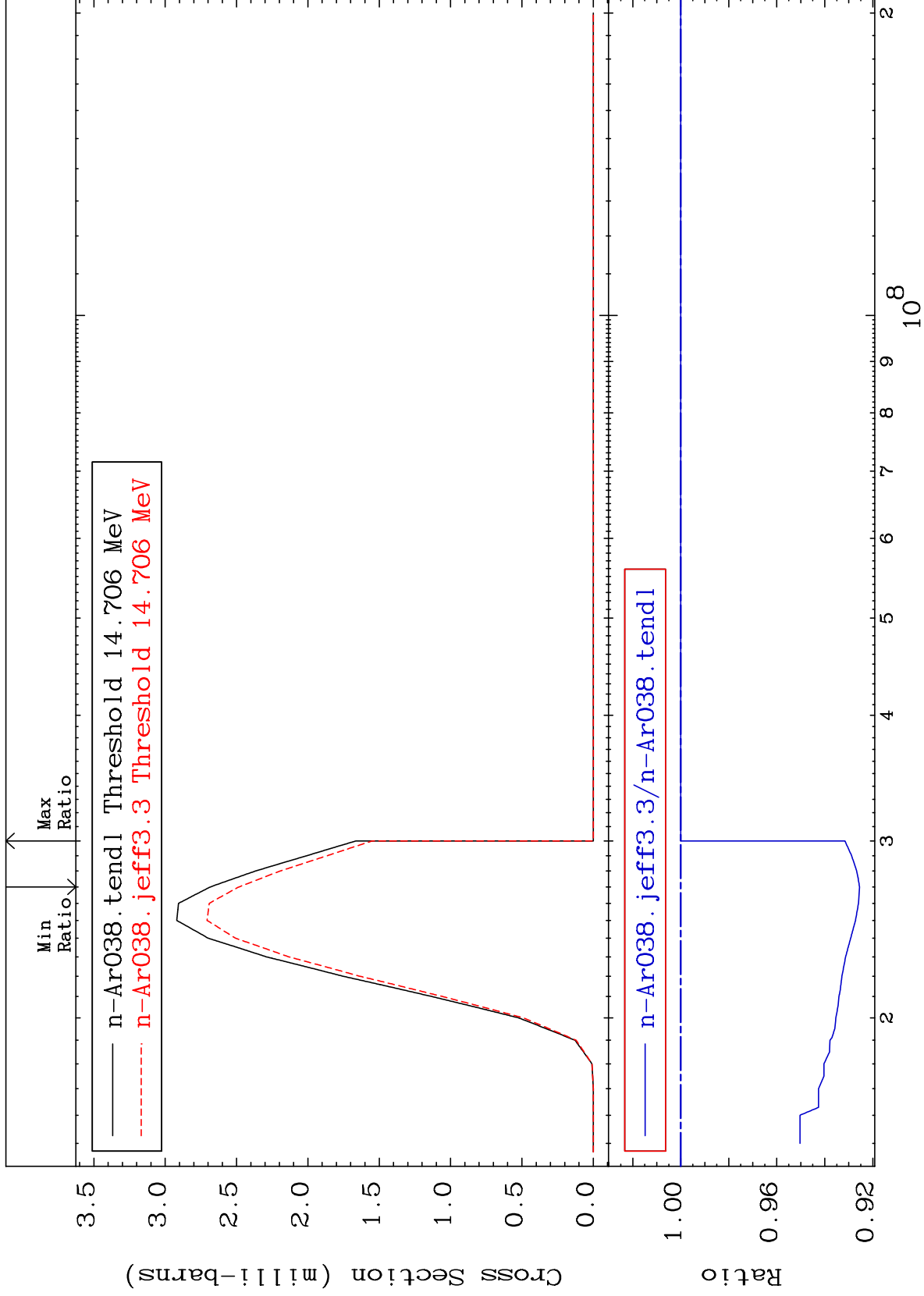
Cross Section

-98.83 To 1240. %



Cross Section

-7.448 To 0.000 %



MAT 1831

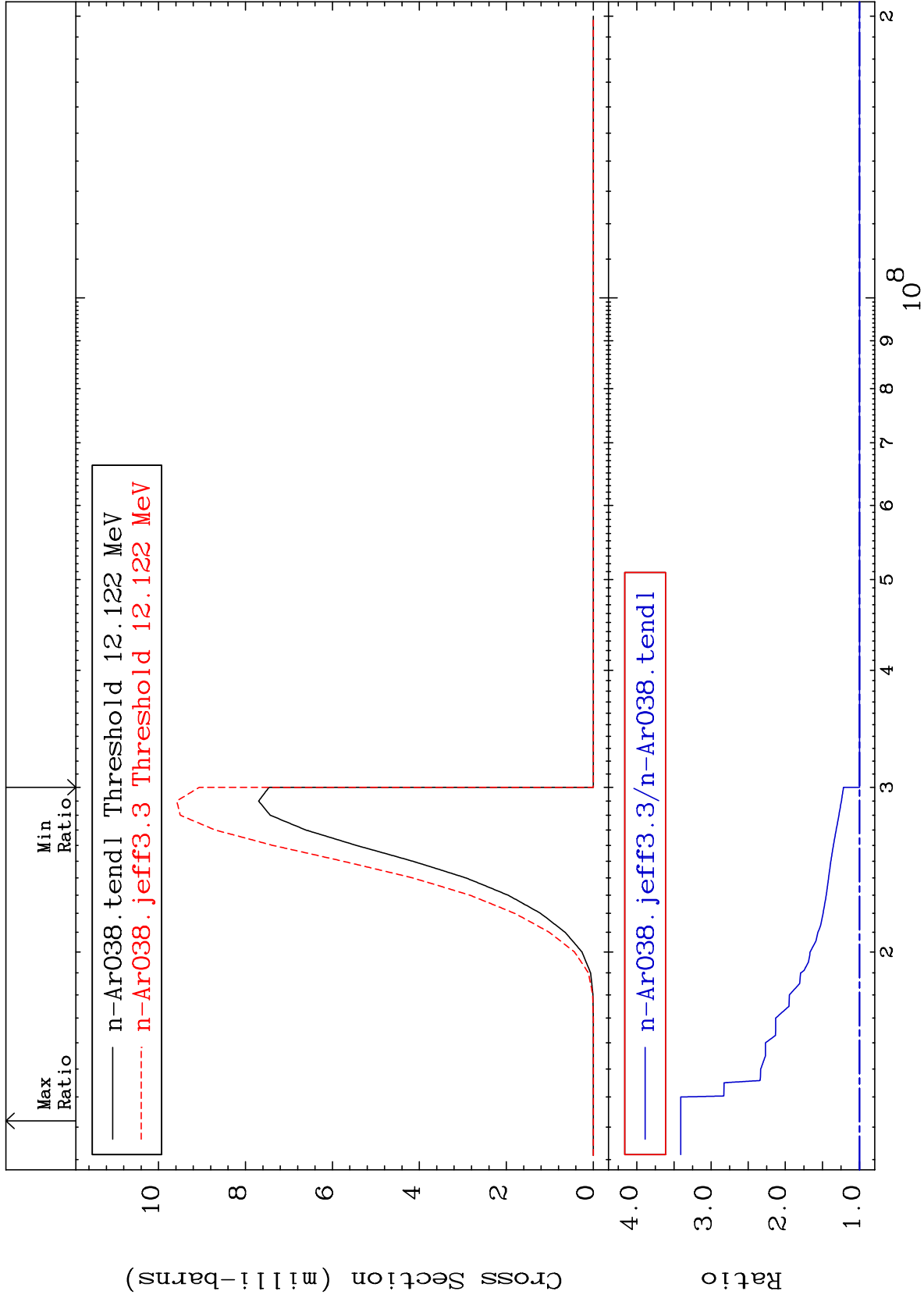
(n, p) α

18-Ar-38

Cross Section

0.000

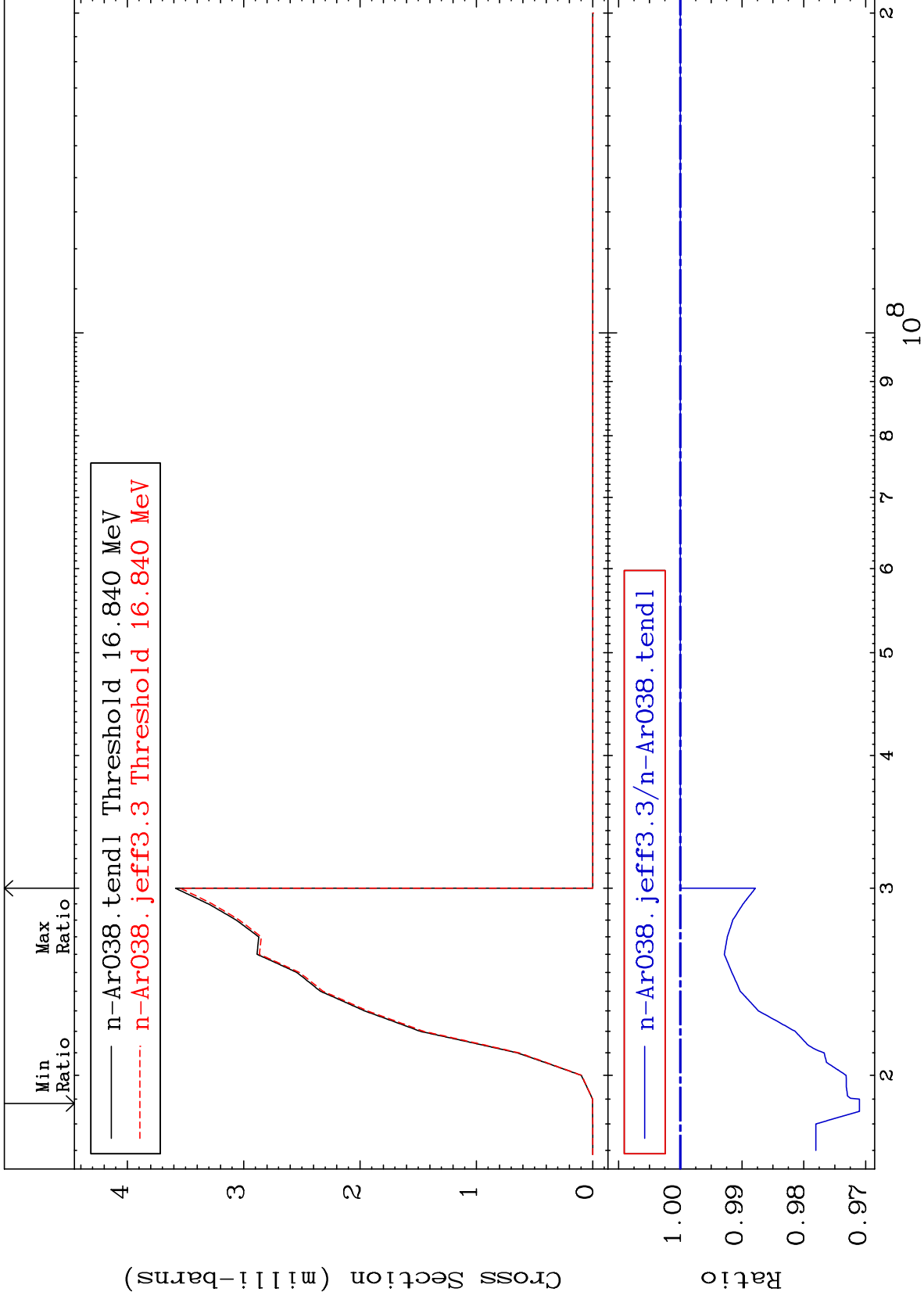
To 240.8 %



56

Incident Energy (eV)

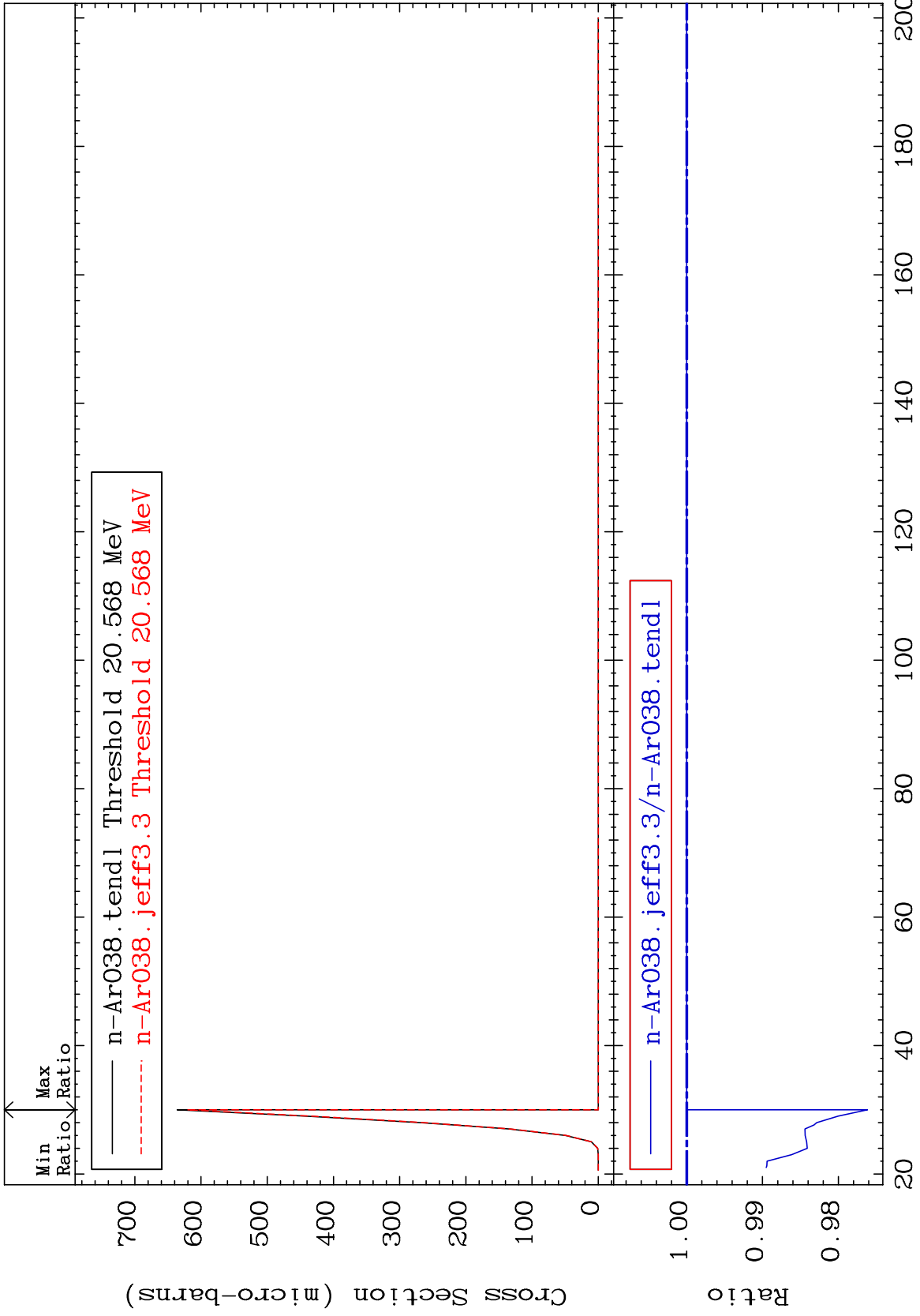
18-Ar-38



MAT 1831

(n,p) t
Cross Section

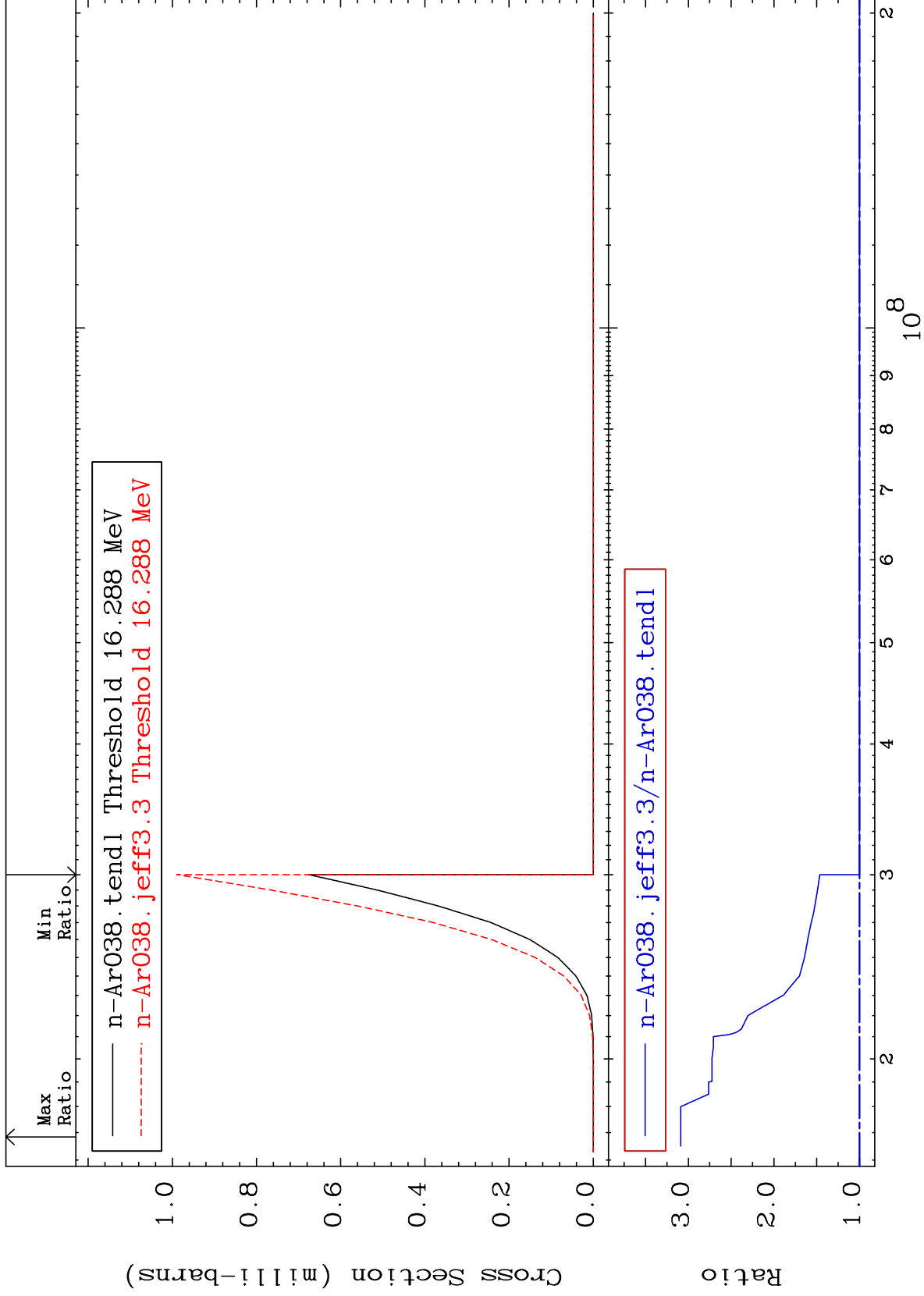
18-Ar-38
-2.384 To 0.000 %



MAT 1831

(n,d) α
Cross Section

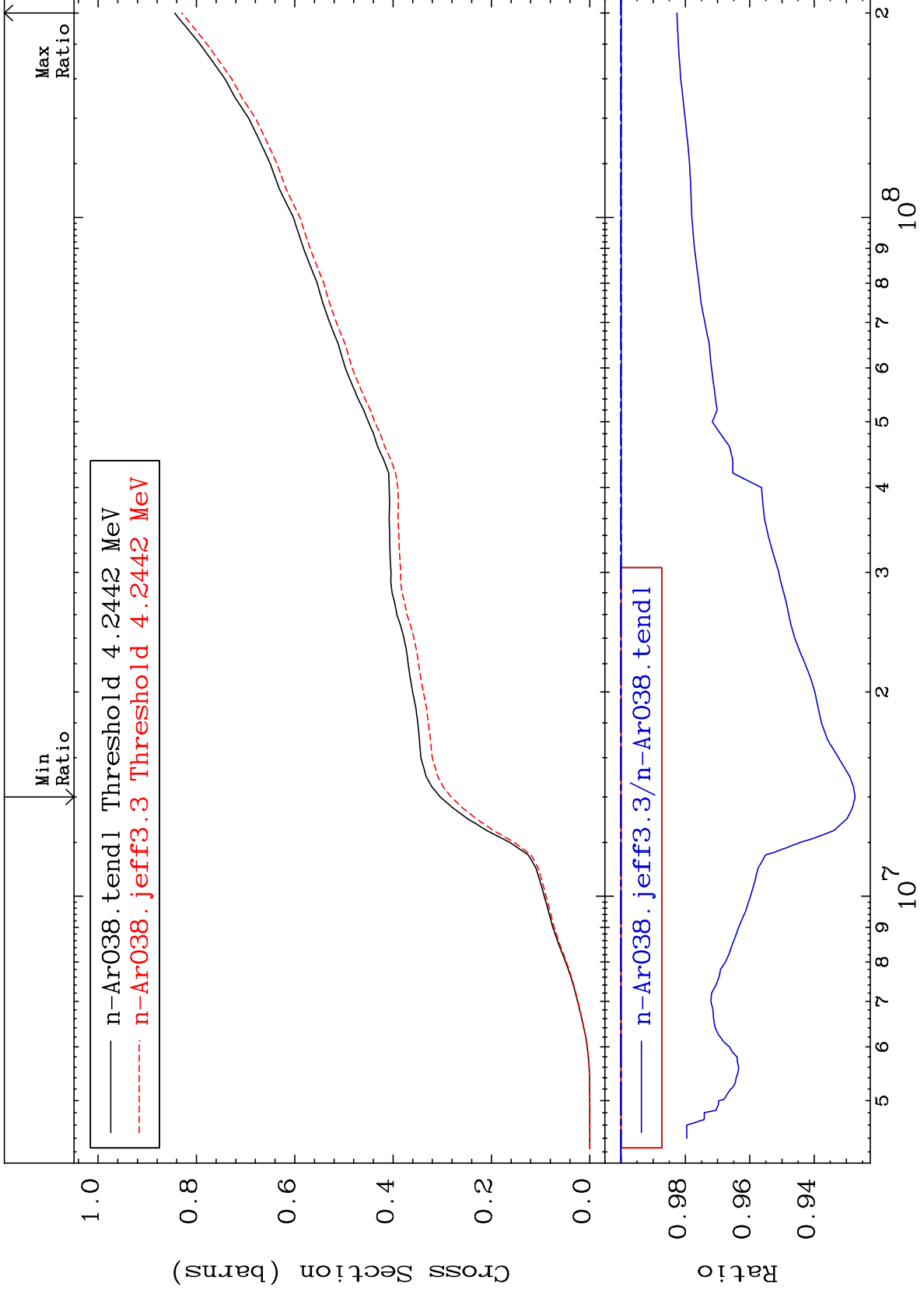
18-Ar-38
To 208.9 %



MAT 1831

Hydrogen Production
Cross Section

18-Ar-38
-7.271 To -1.737%



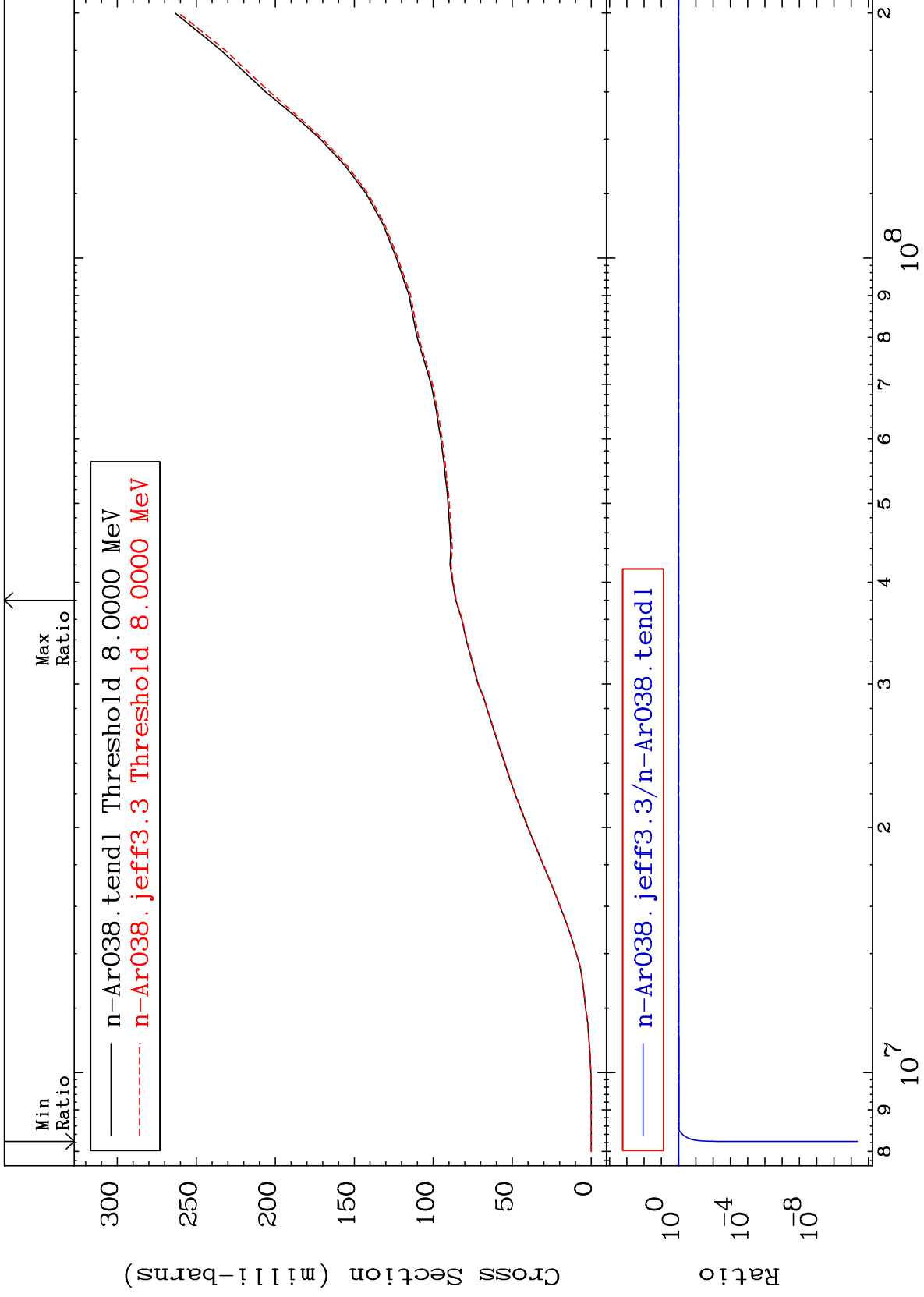
60

18-Ar-38

MAT 1831

Deuterium Production
Cross Section

18-Ar-38
-100.0 To -0.342%



61

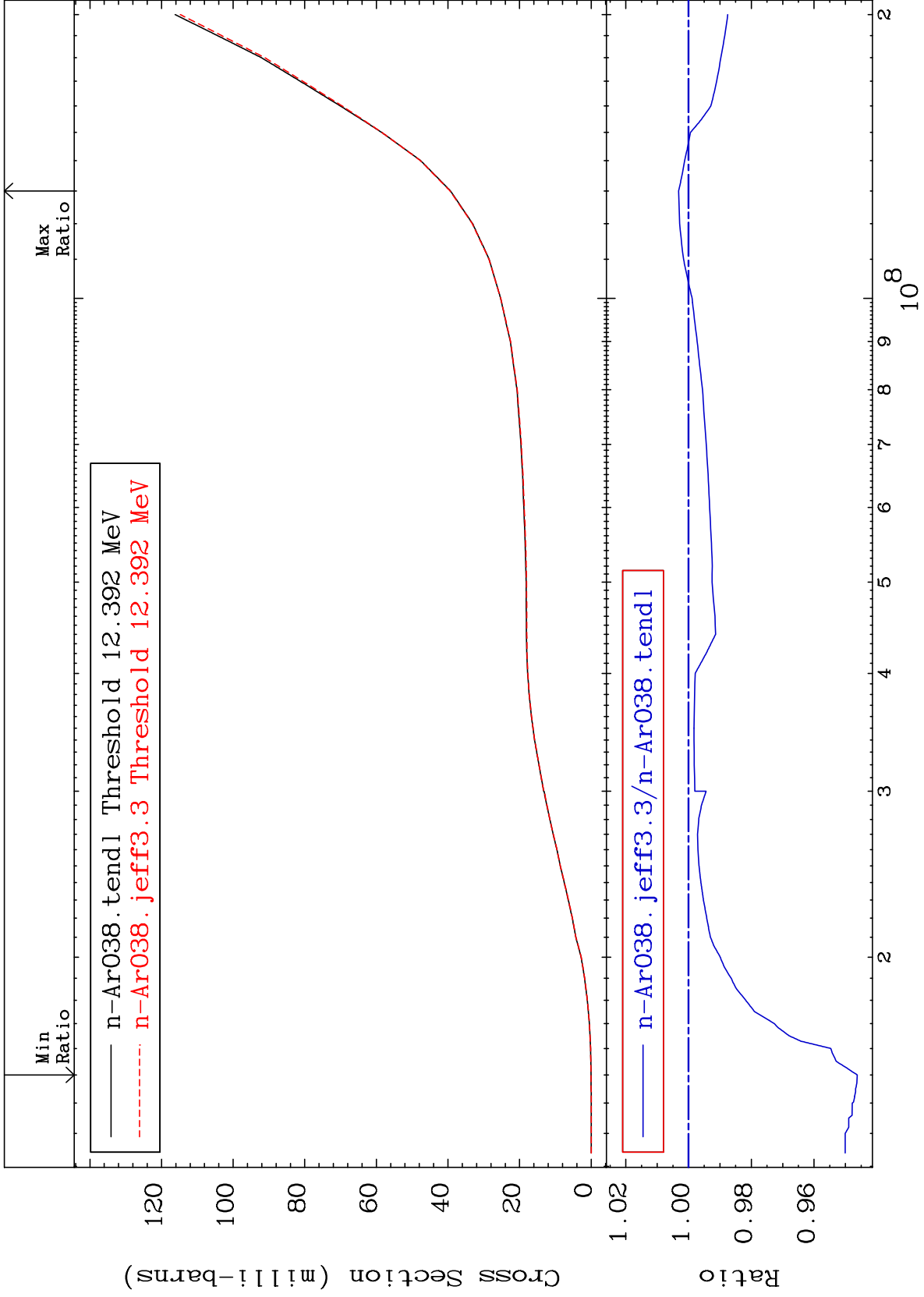
Incident Energy (eV)

18-Ar-38

MAT 1831

Tritium Production
Cross Section

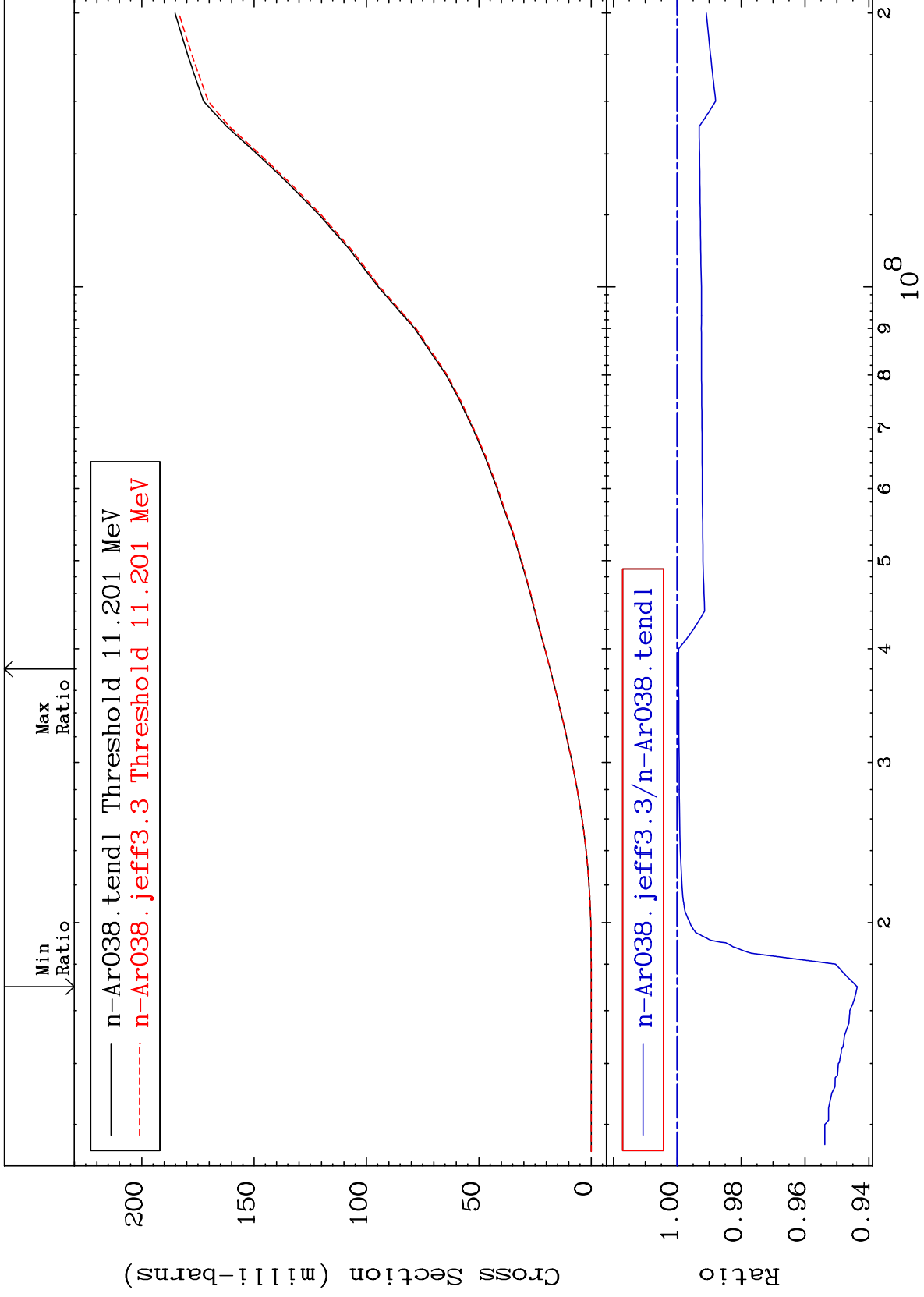
18-Ar-38
-5.376 To 0.316 %

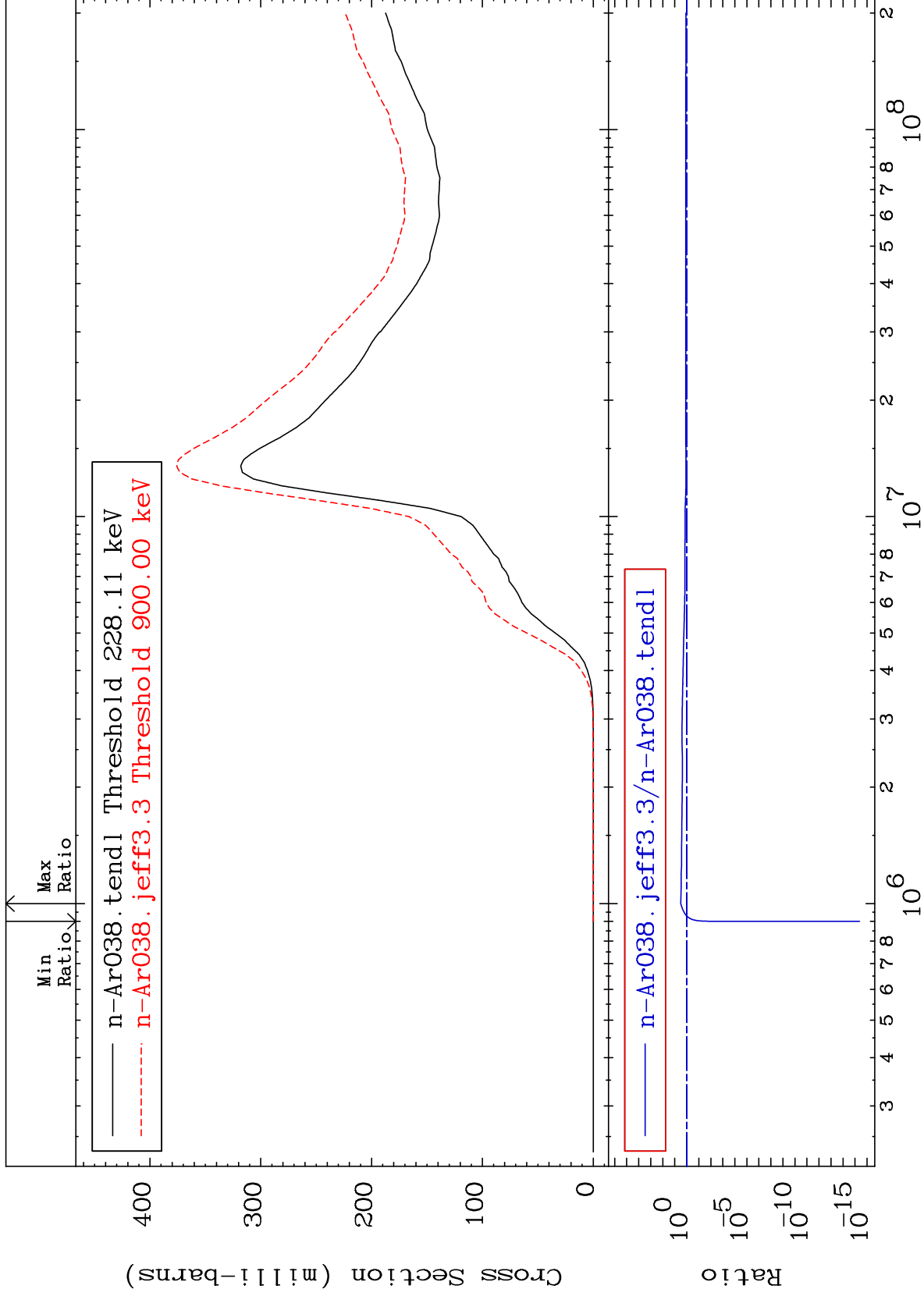


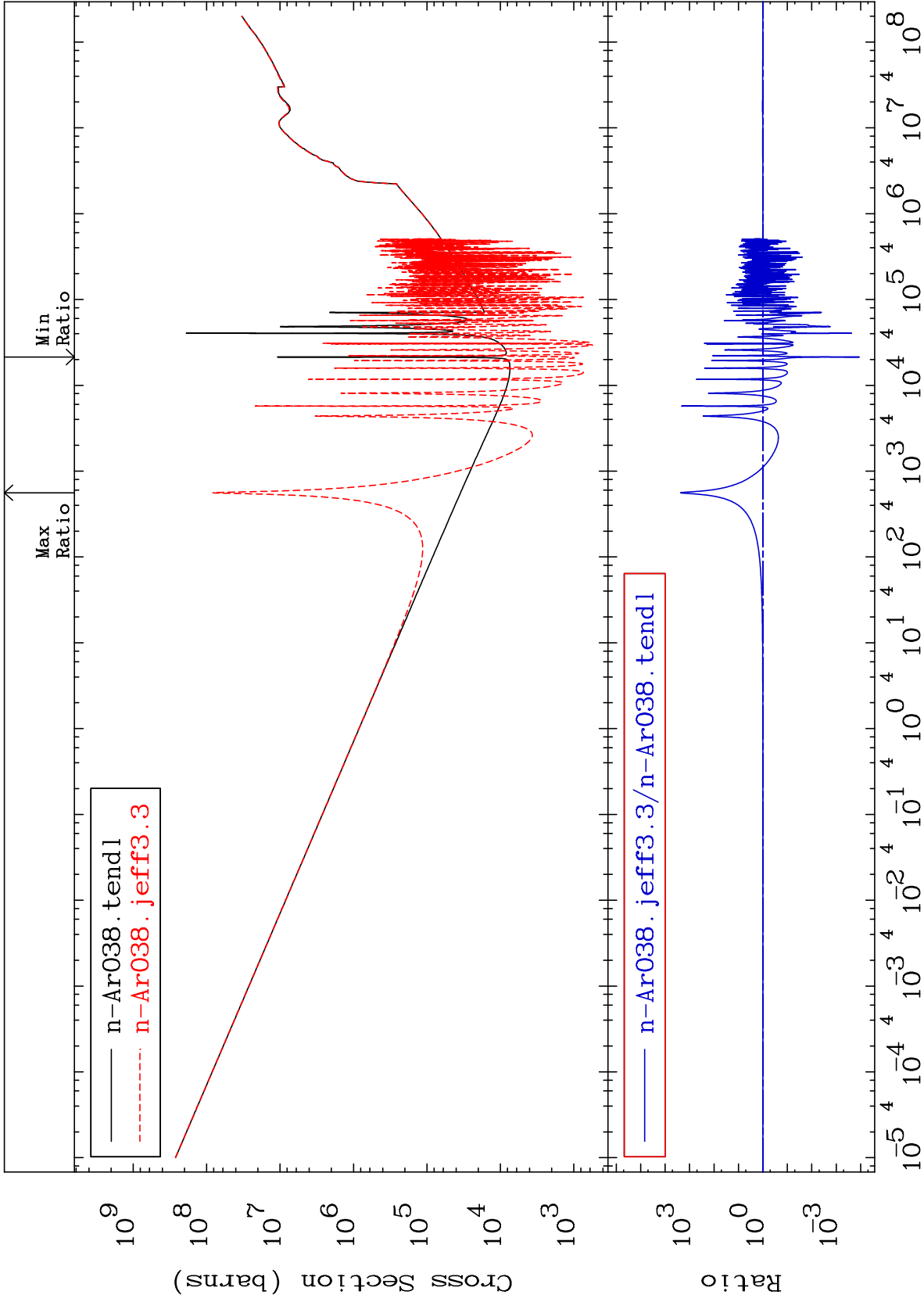
MAT 1831

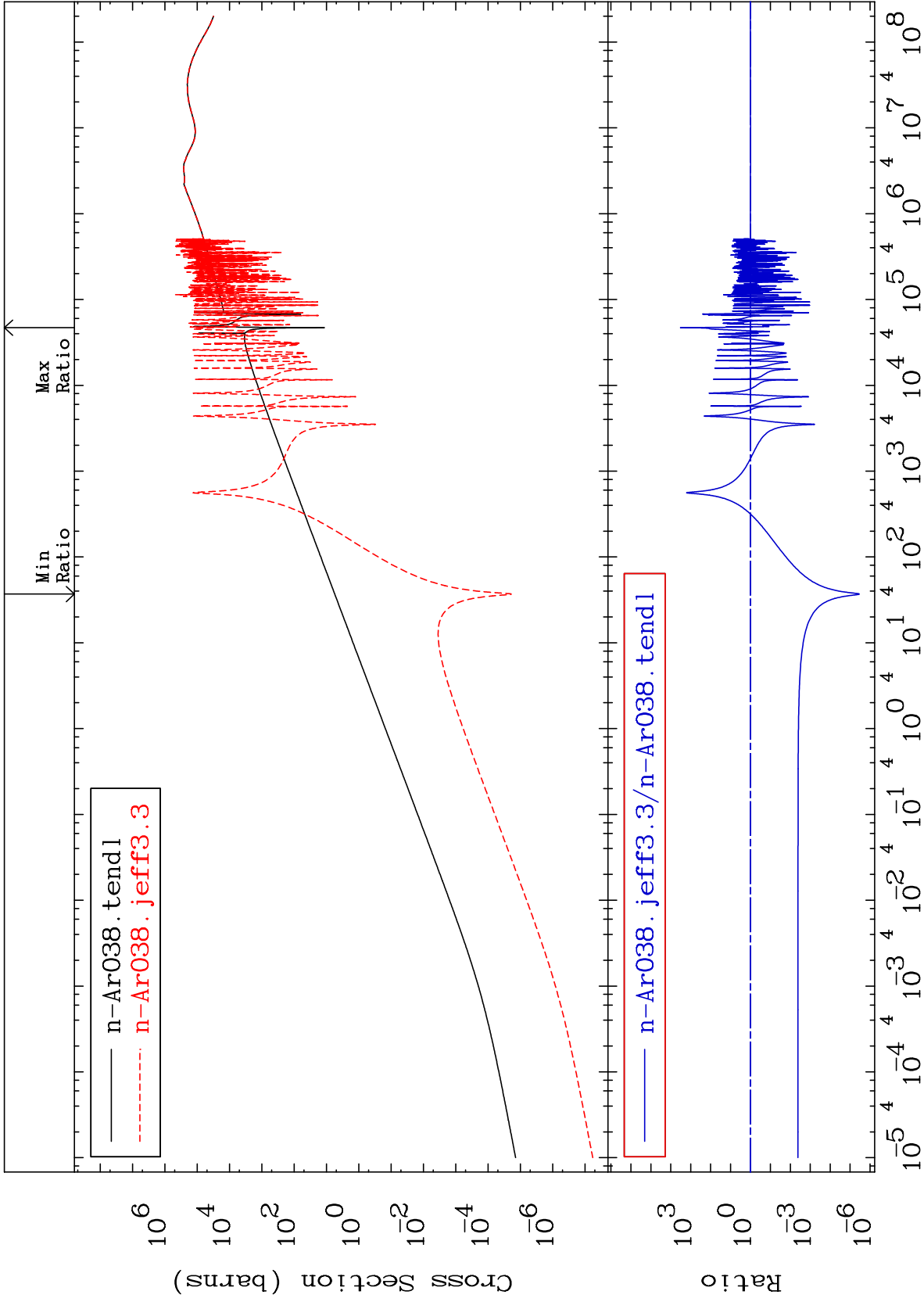
He-3 Production
Cross Section

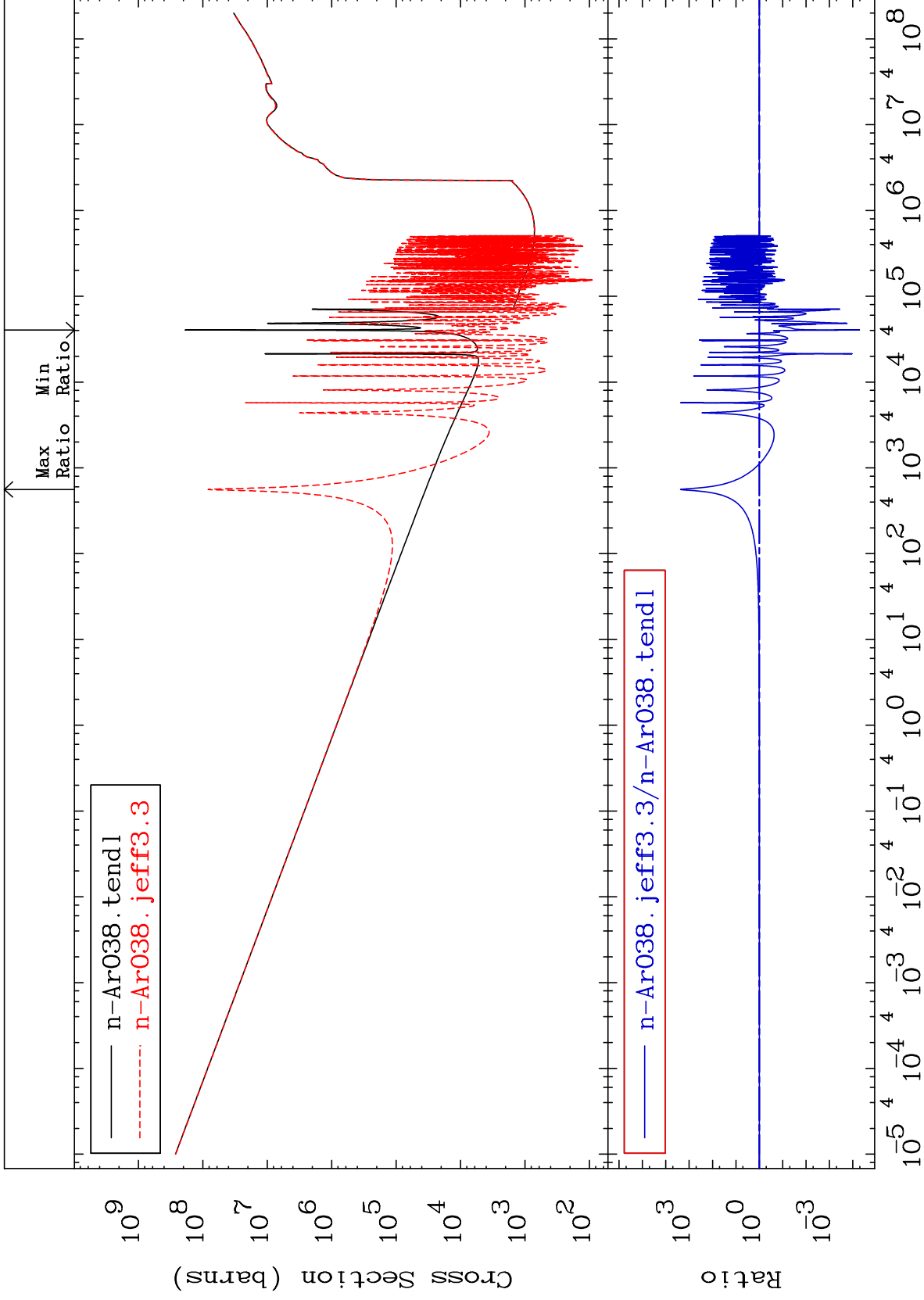
18-Ar-38
-5.636 To -0.043%

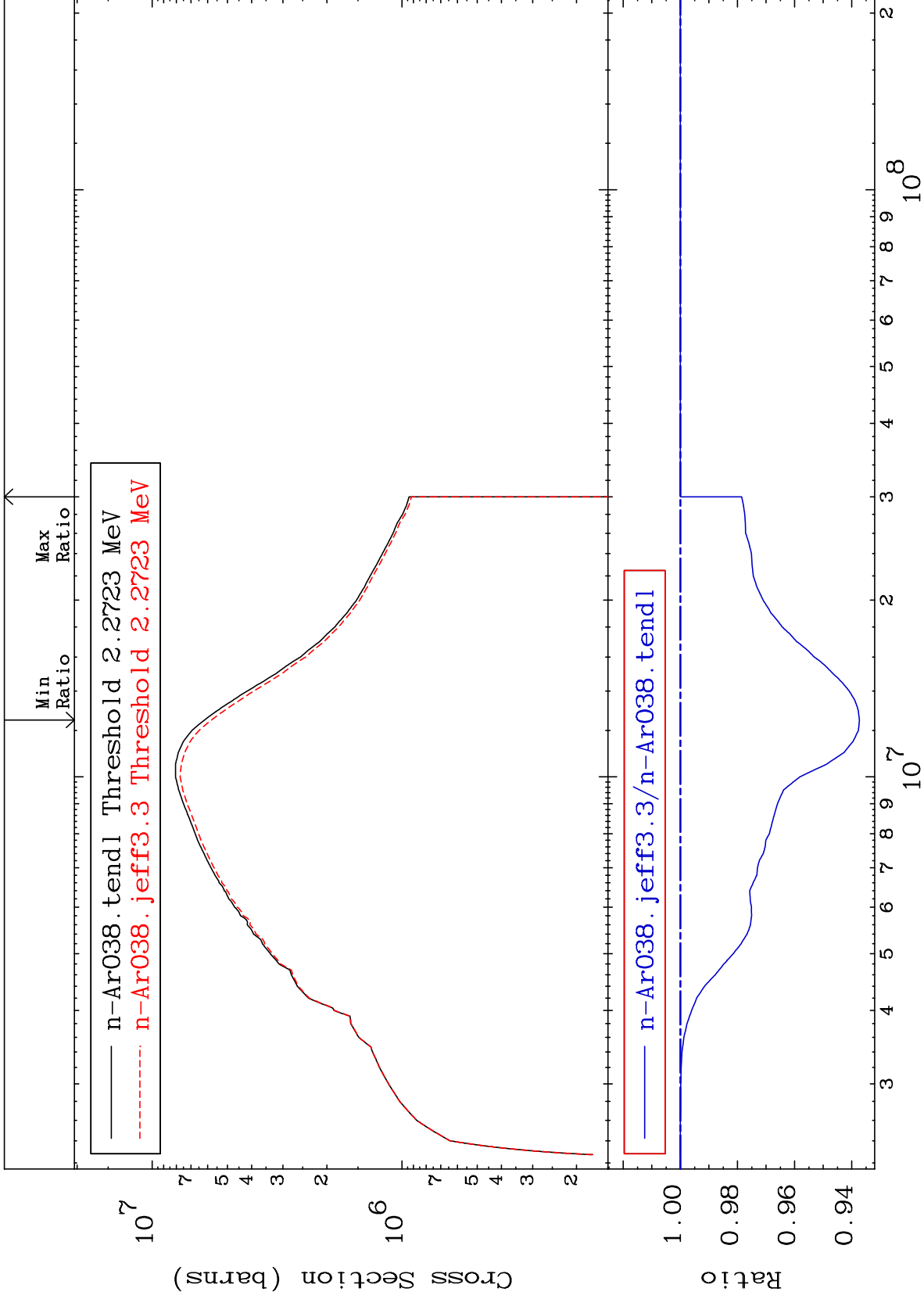


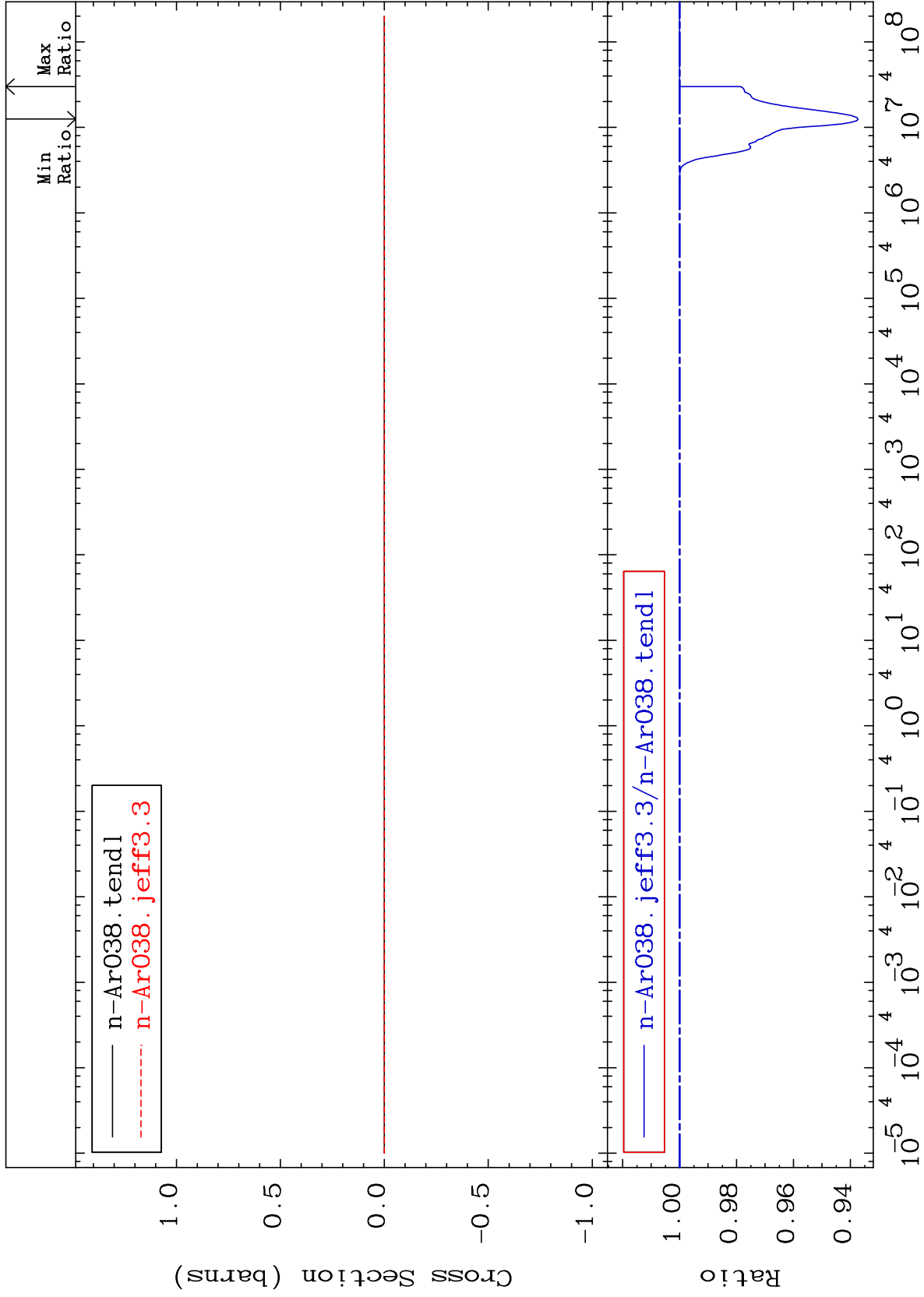








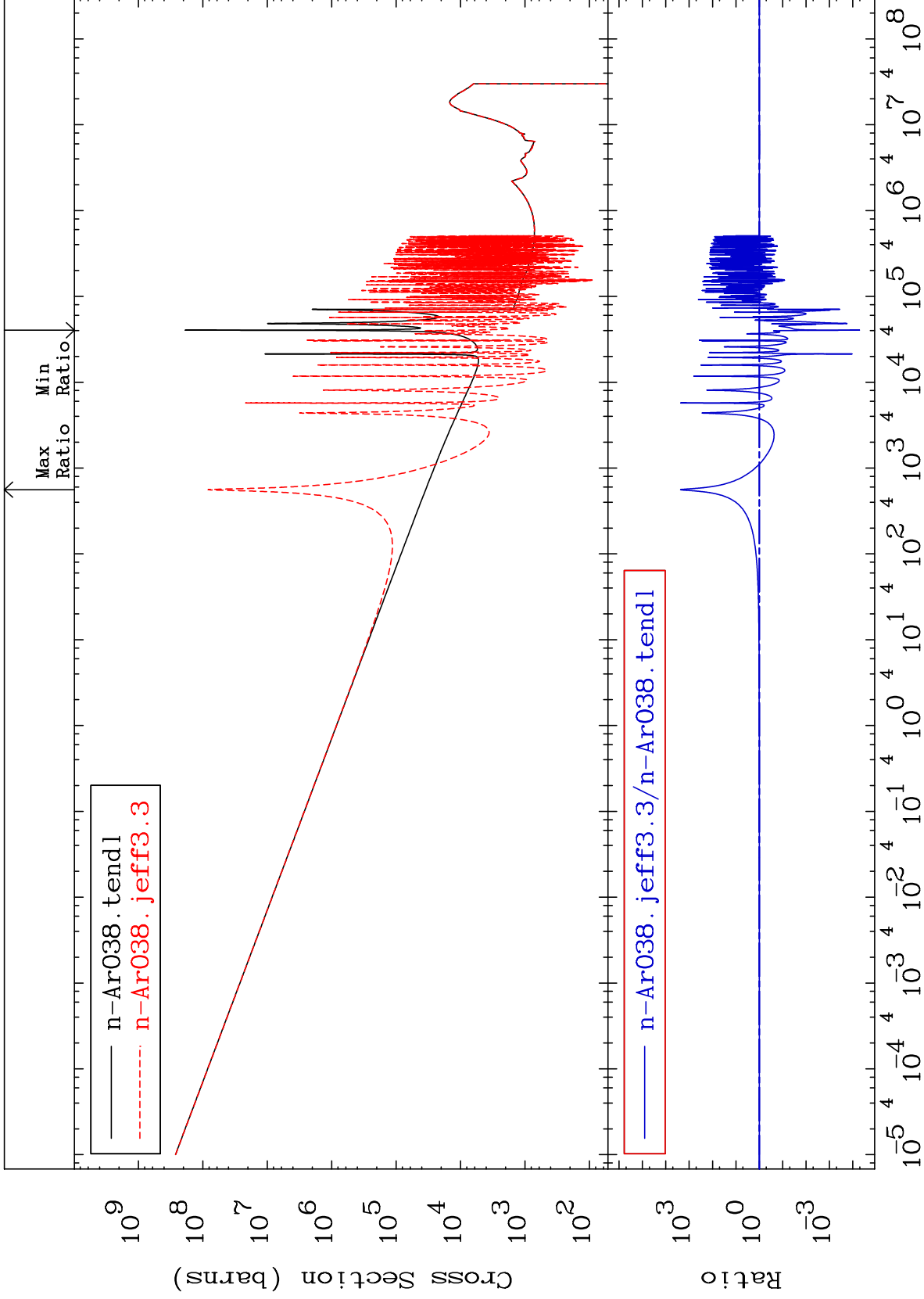




MAT 1831

Kerma capture (mt102)
Cross Section

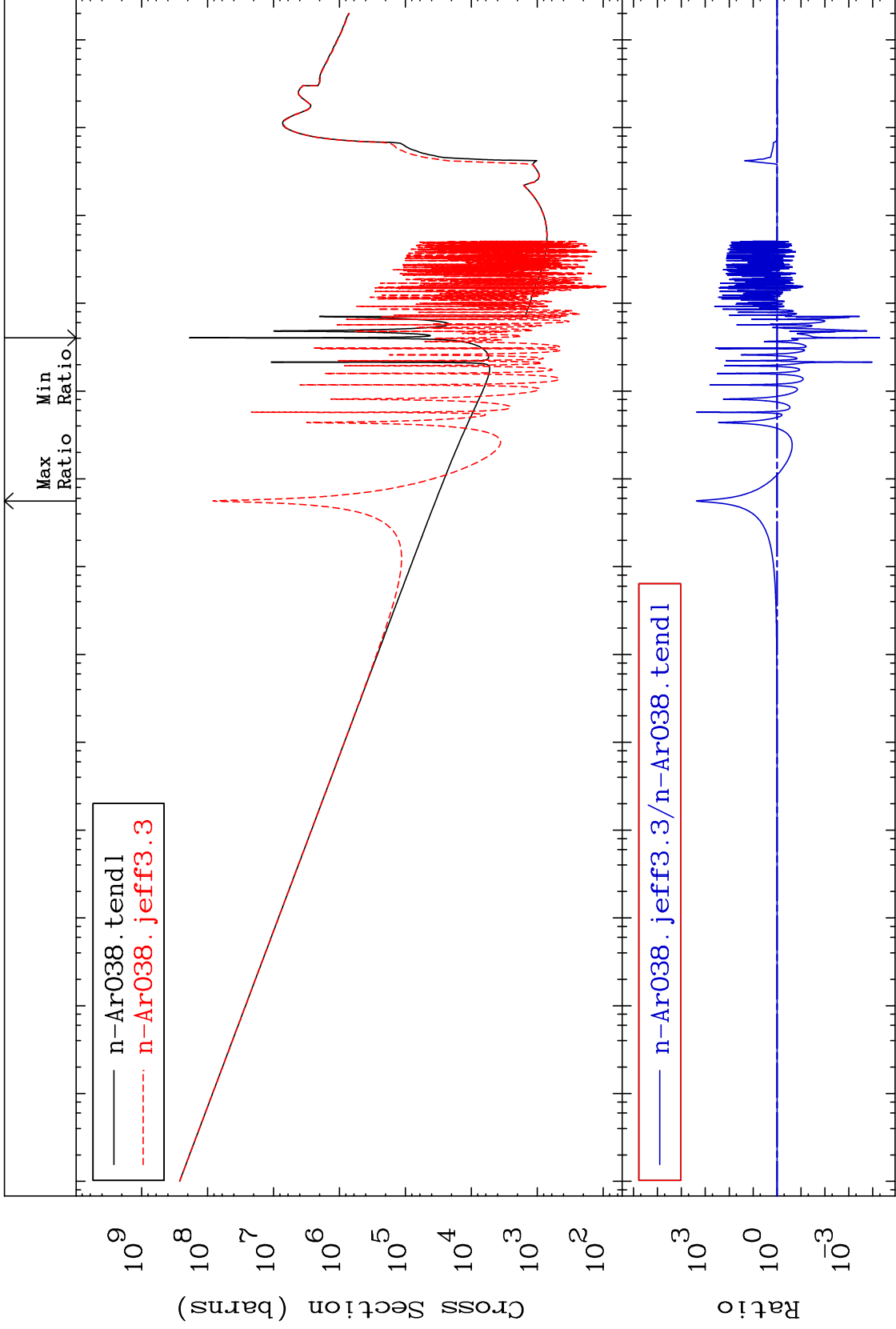
18-Ar-38
-99.99 To 9999. %

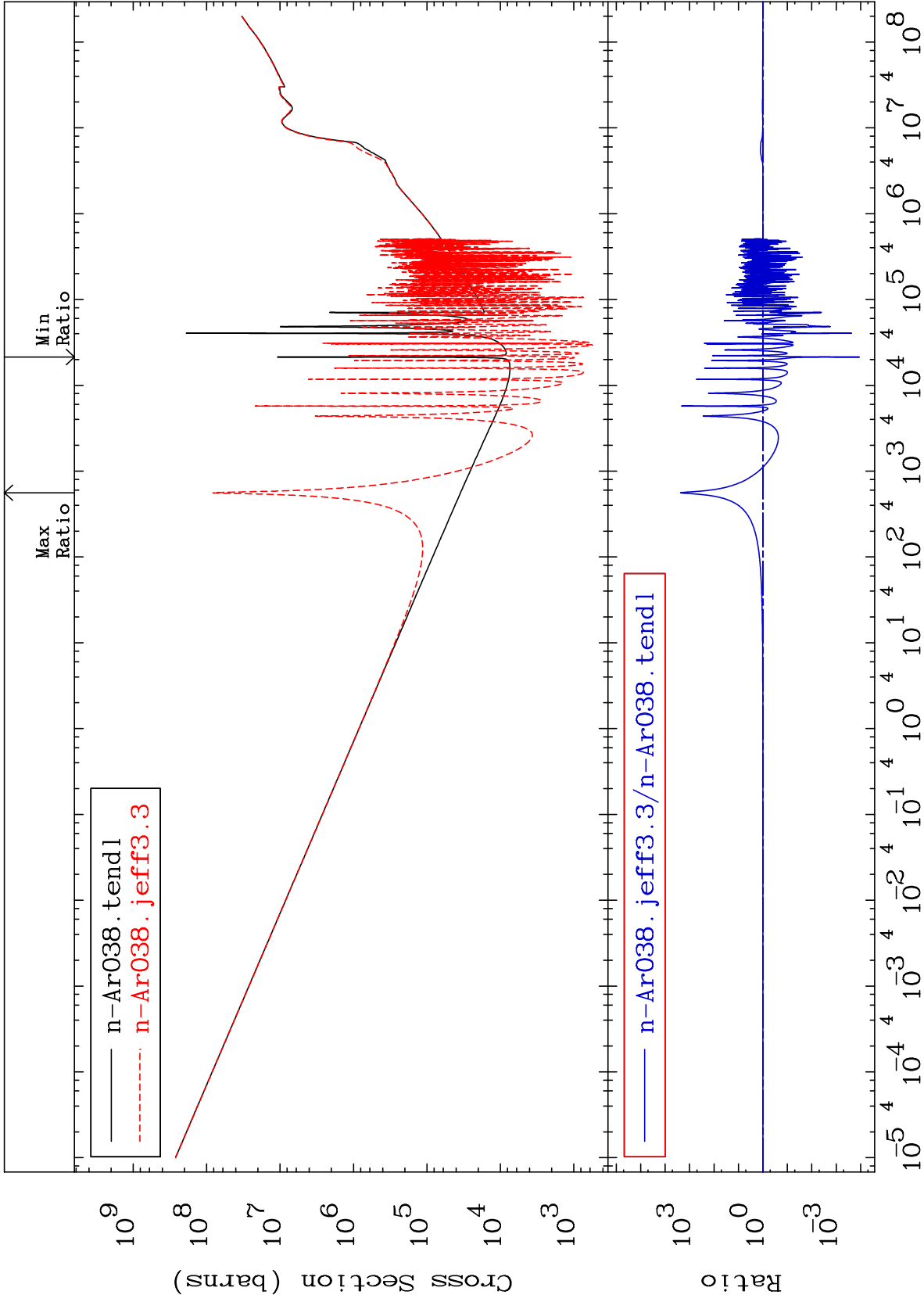


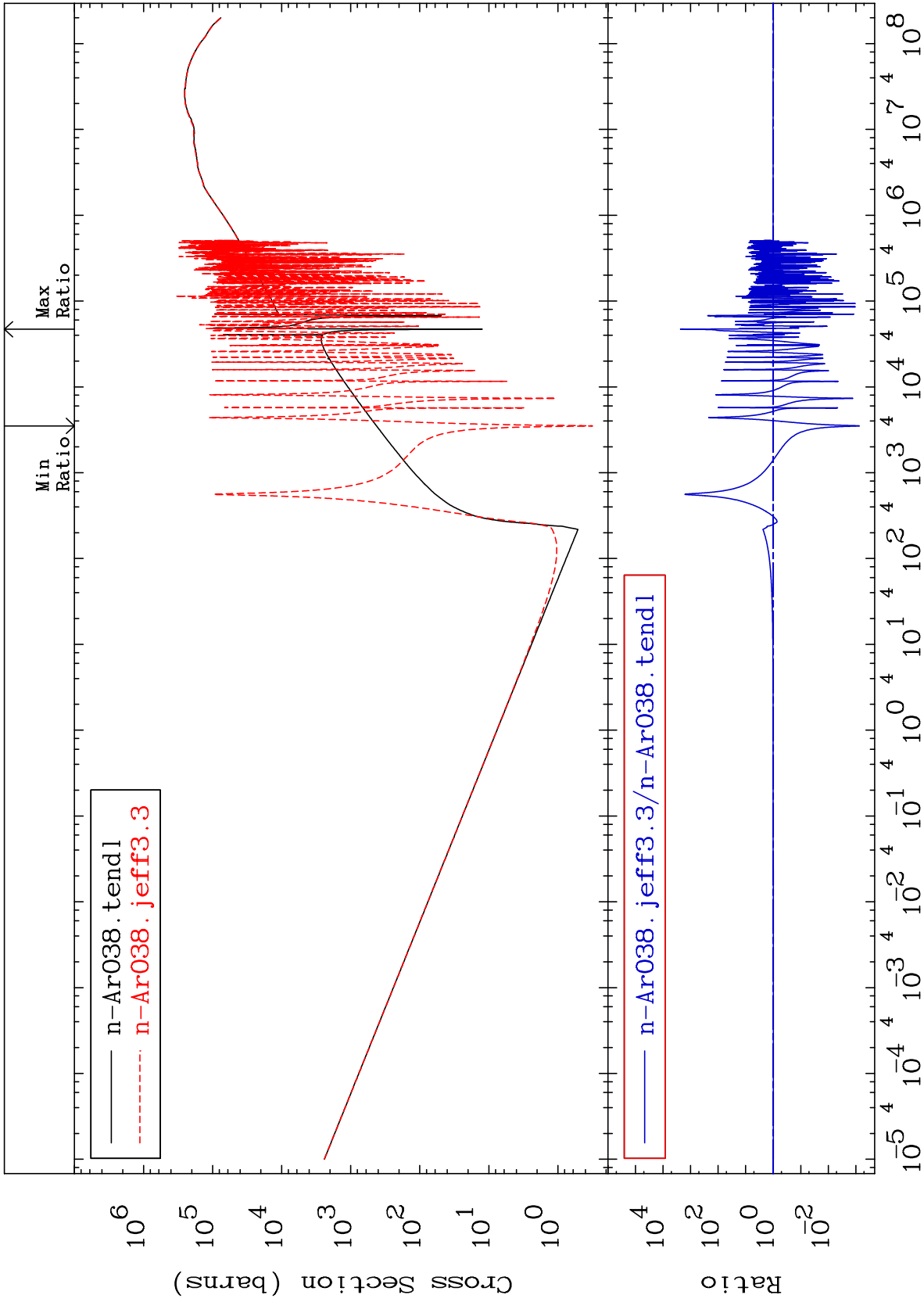
70

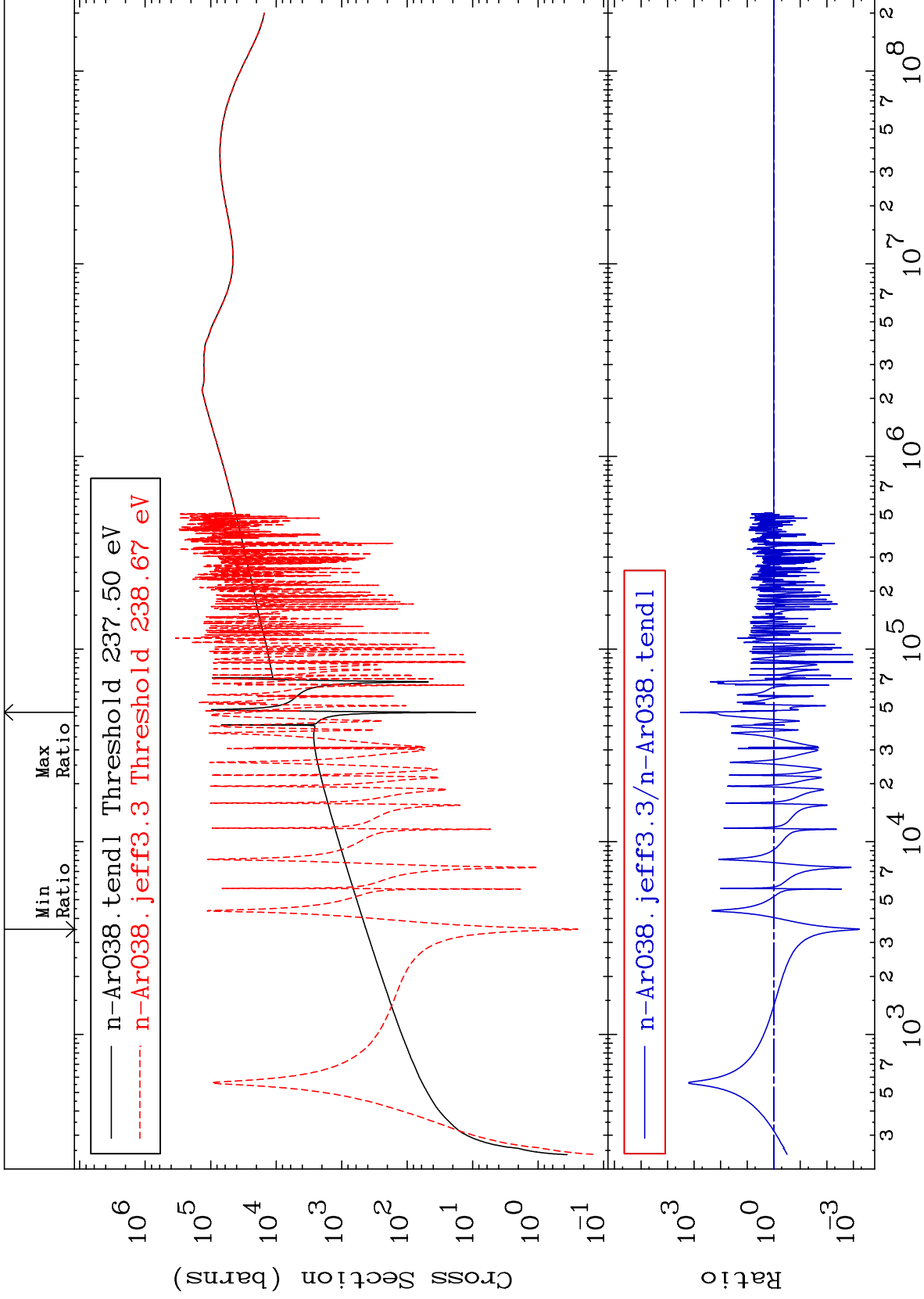
Incident Energy (eV)

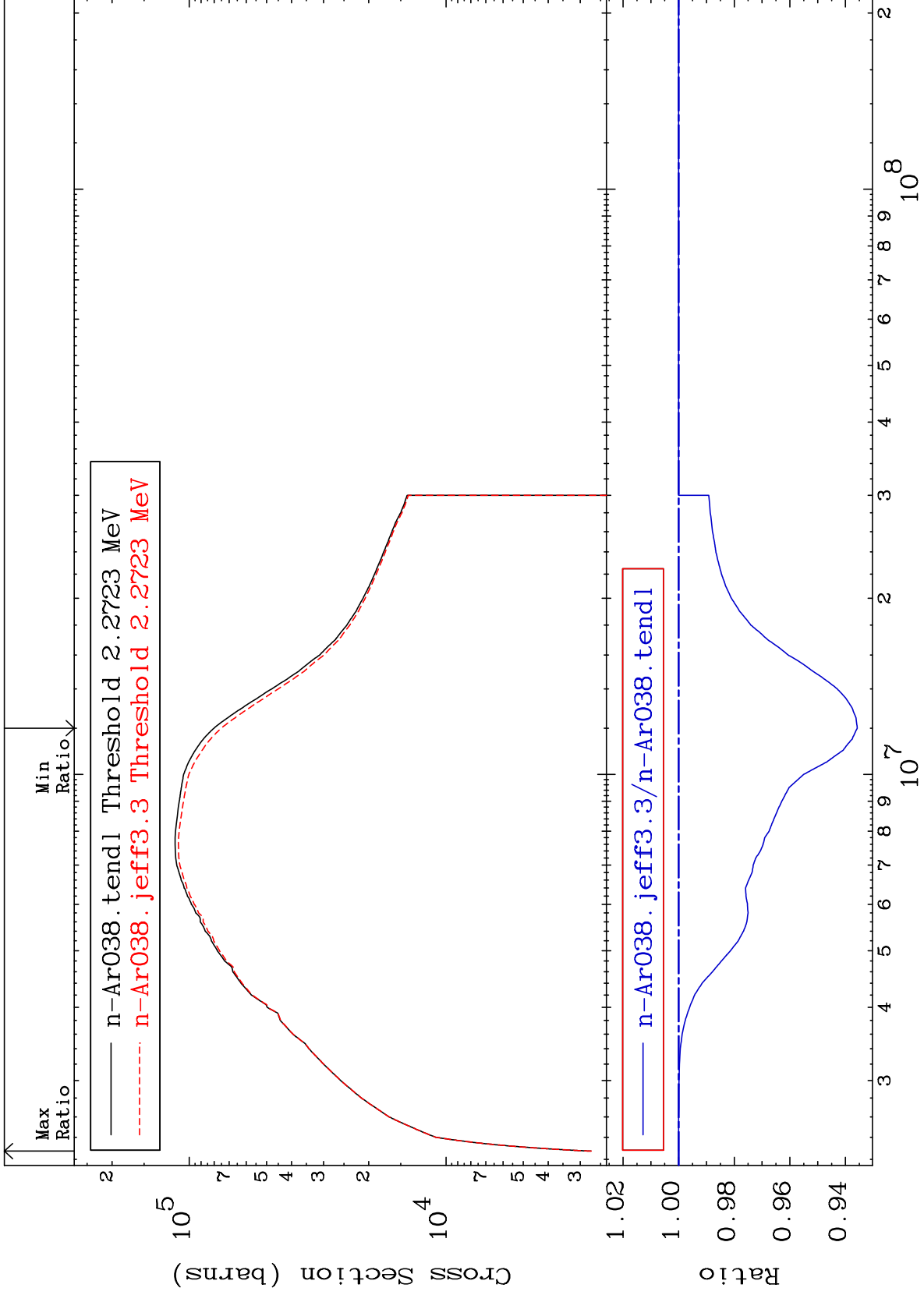
18-Ar-38

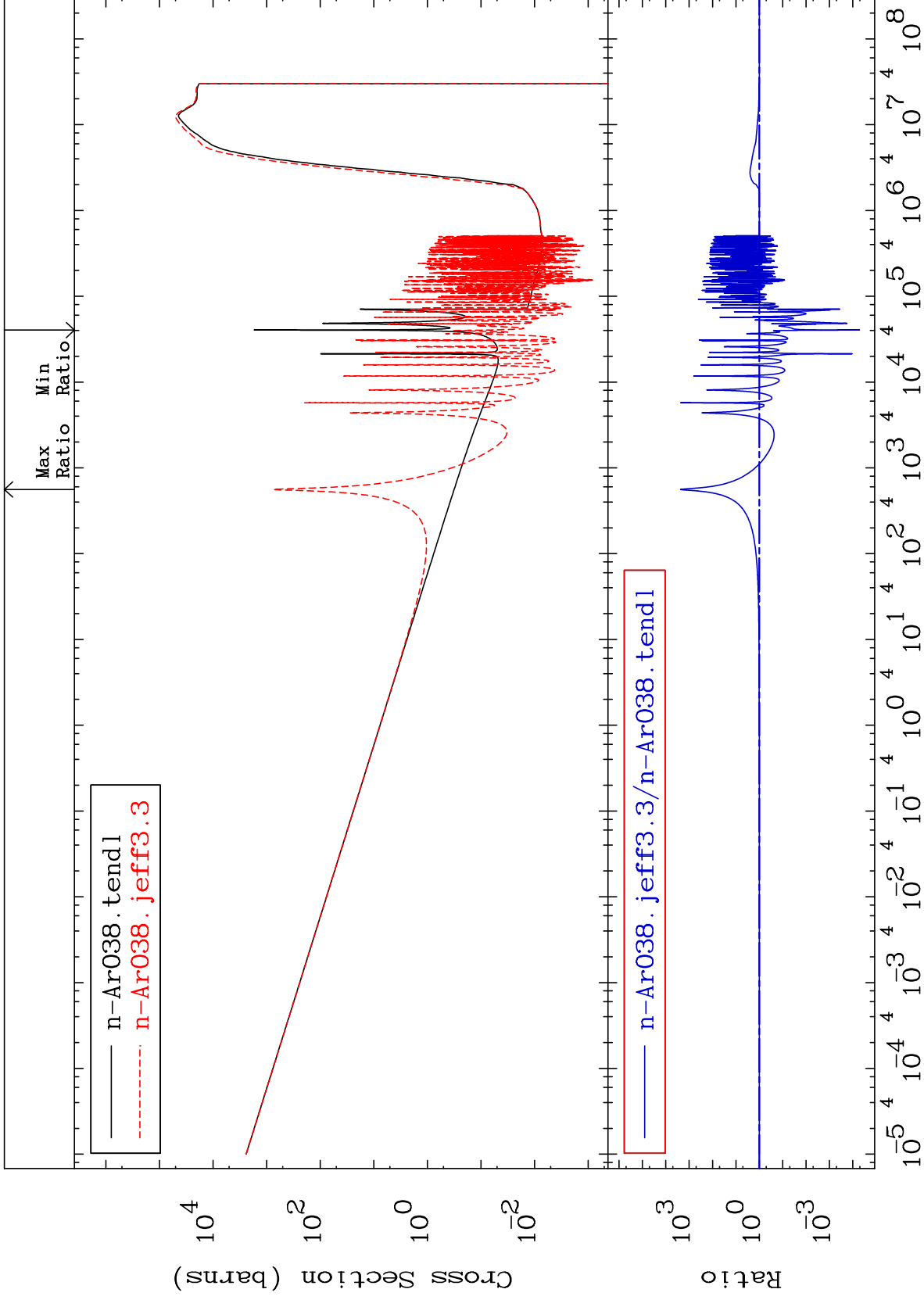










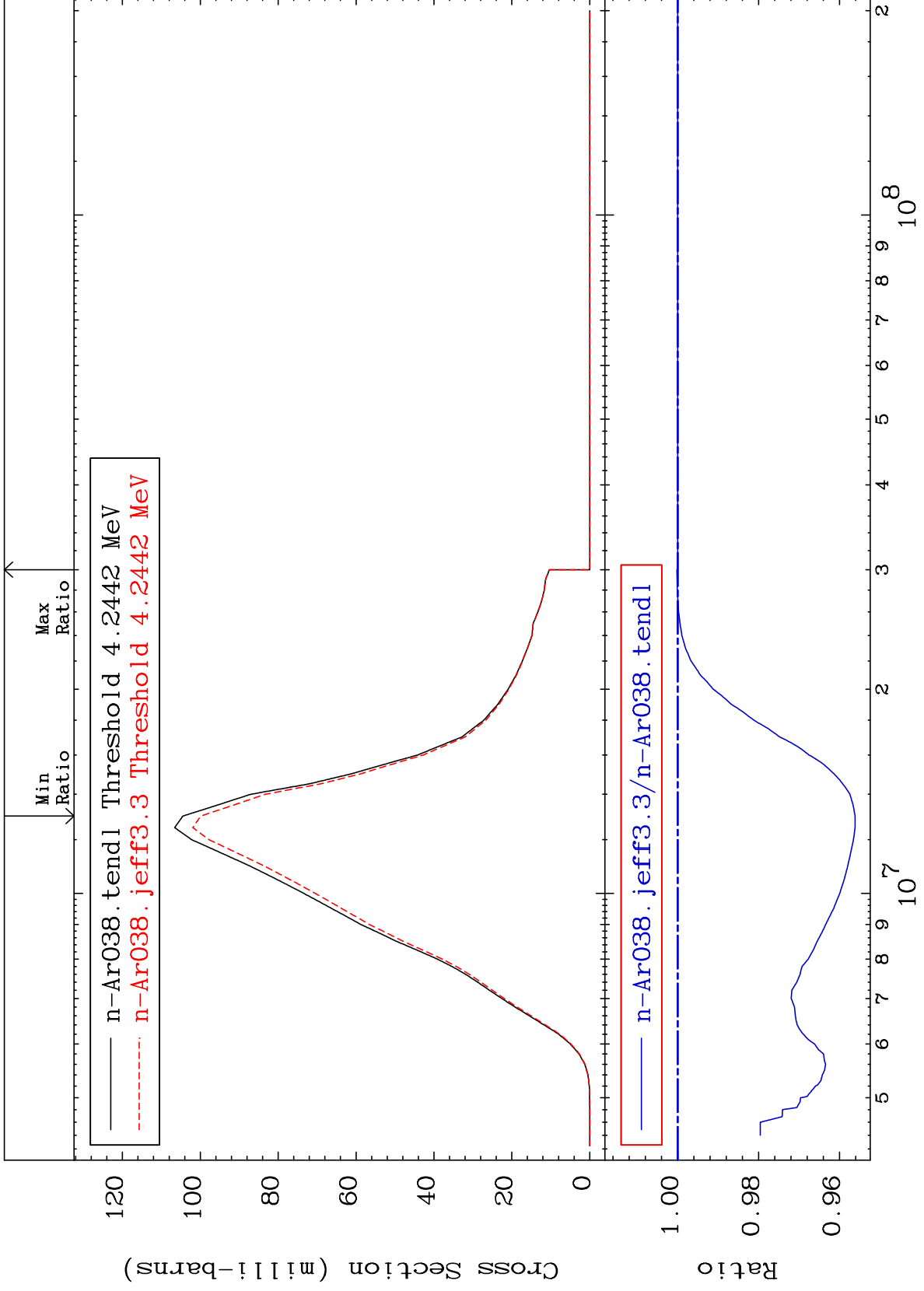


MAT 1831

(n, p) : 17-Cl-38g

18-Ar-38

Radionuclide Production Cross Section -4.387 To 0.020 %



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Incident Energy (eV)

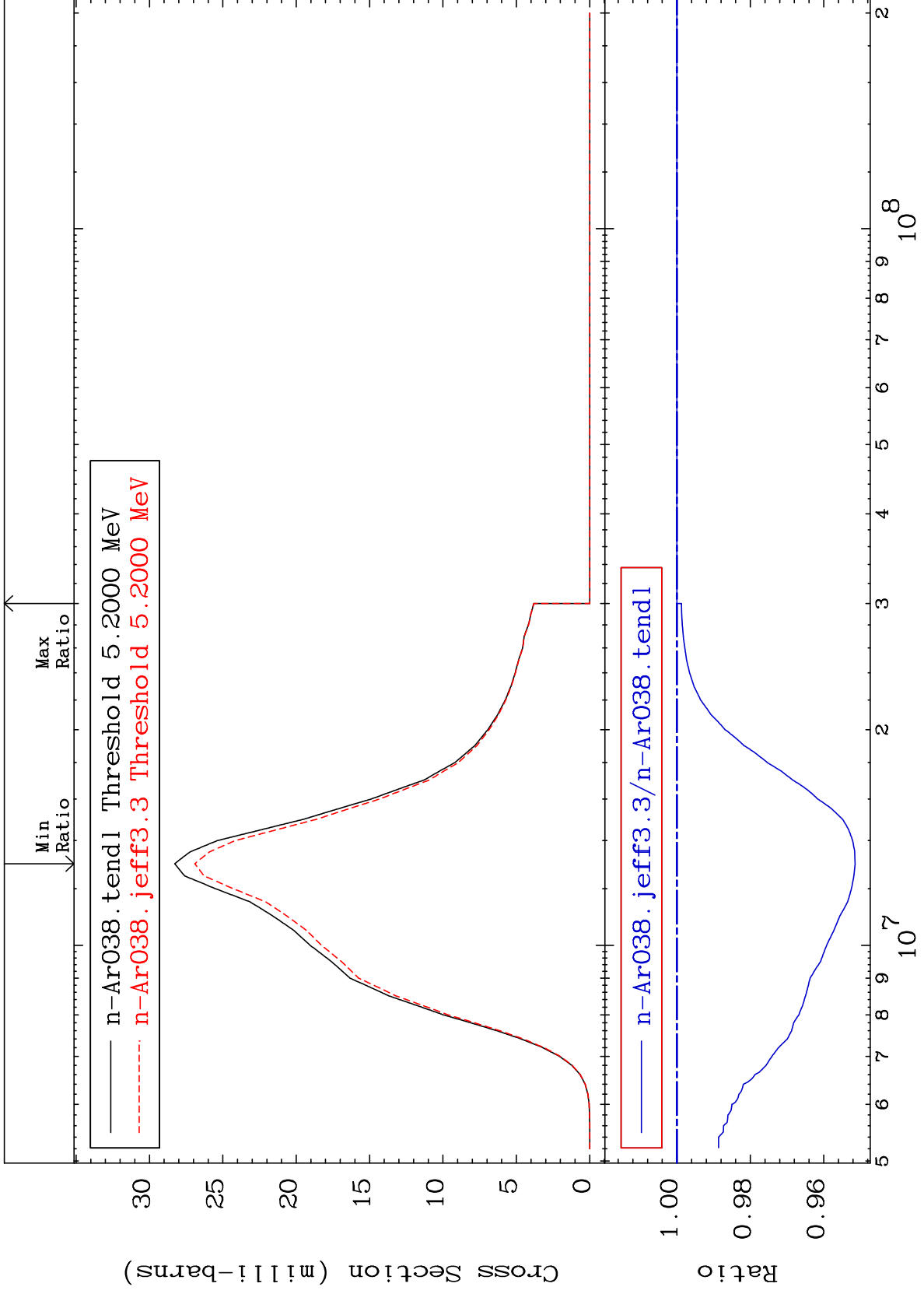
18-Ar-38

MAT 1831

(n, p) : 17-Cl-38m1

18-Ar-38

Radionuclide Production Cross Section -4.855 To 0.000 %



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Incident Energy (eV)

18-Ar-38