

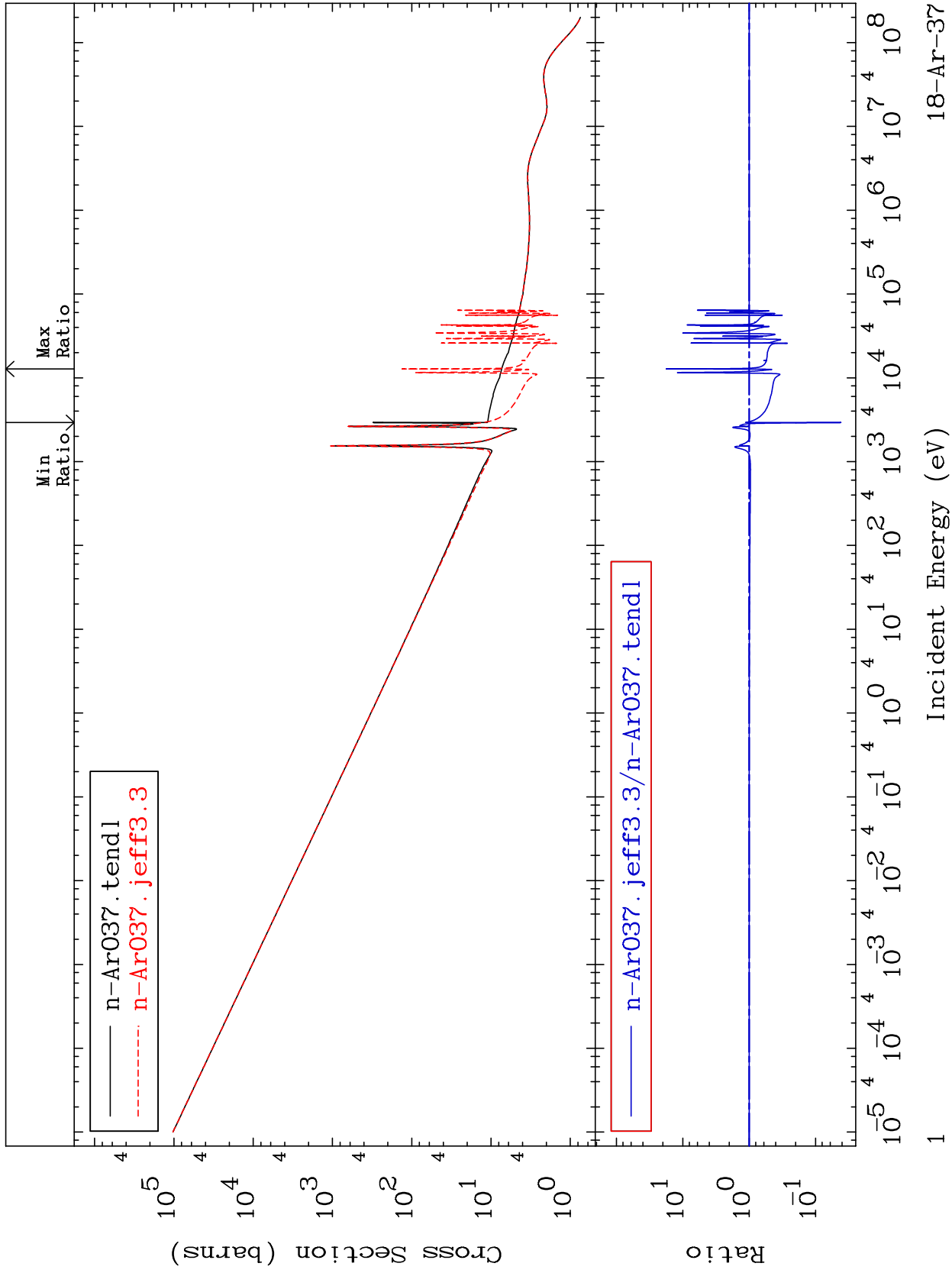
MAT 1828

Total

Cross Section

18-Ar-37

-95.84 To 1694. %



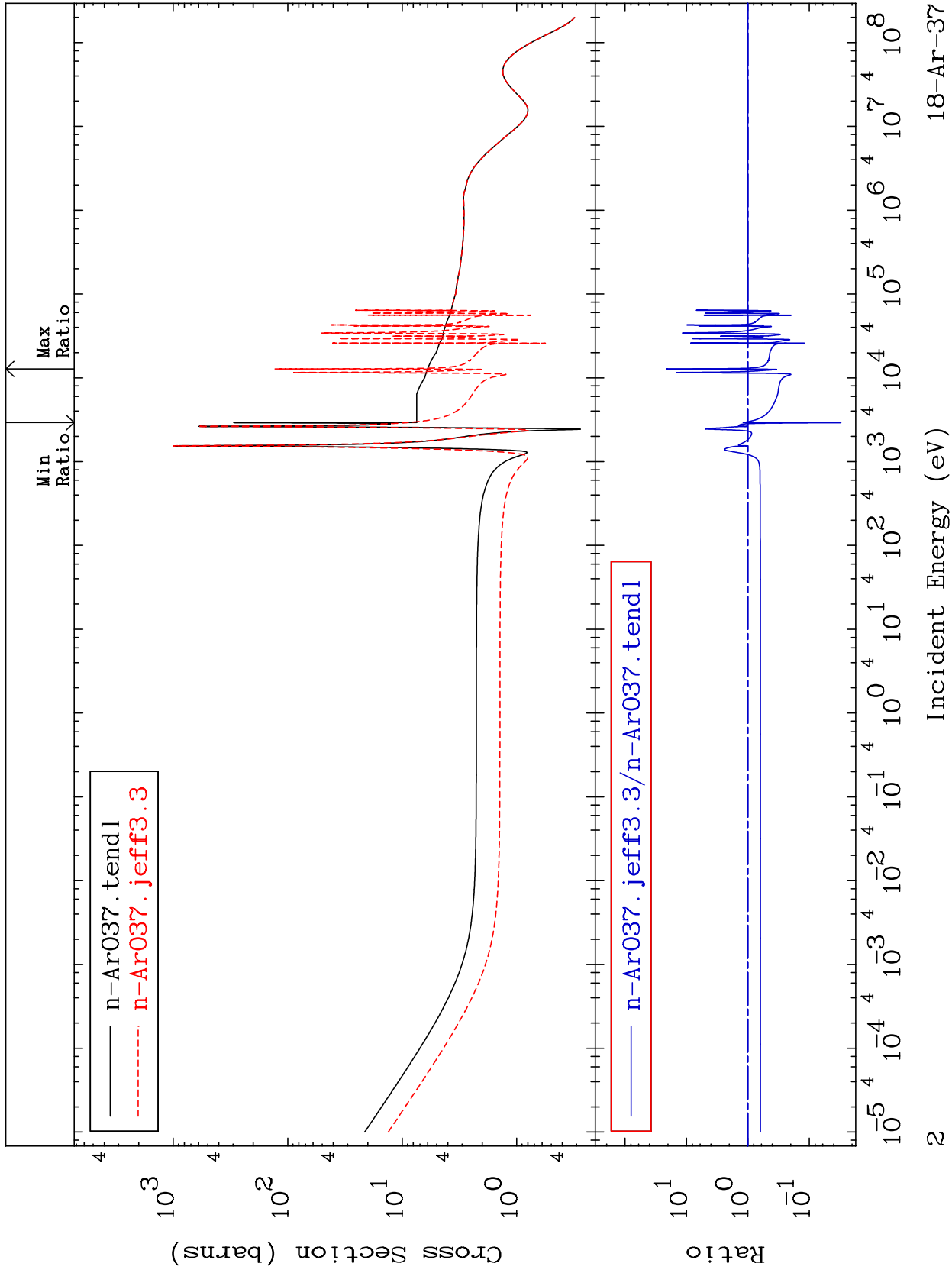
Incident Energy (eV)

18-Ar-37

MAT 1828

Elastic
Cross Section

18-Ar-37
-96.95 To 2055. %

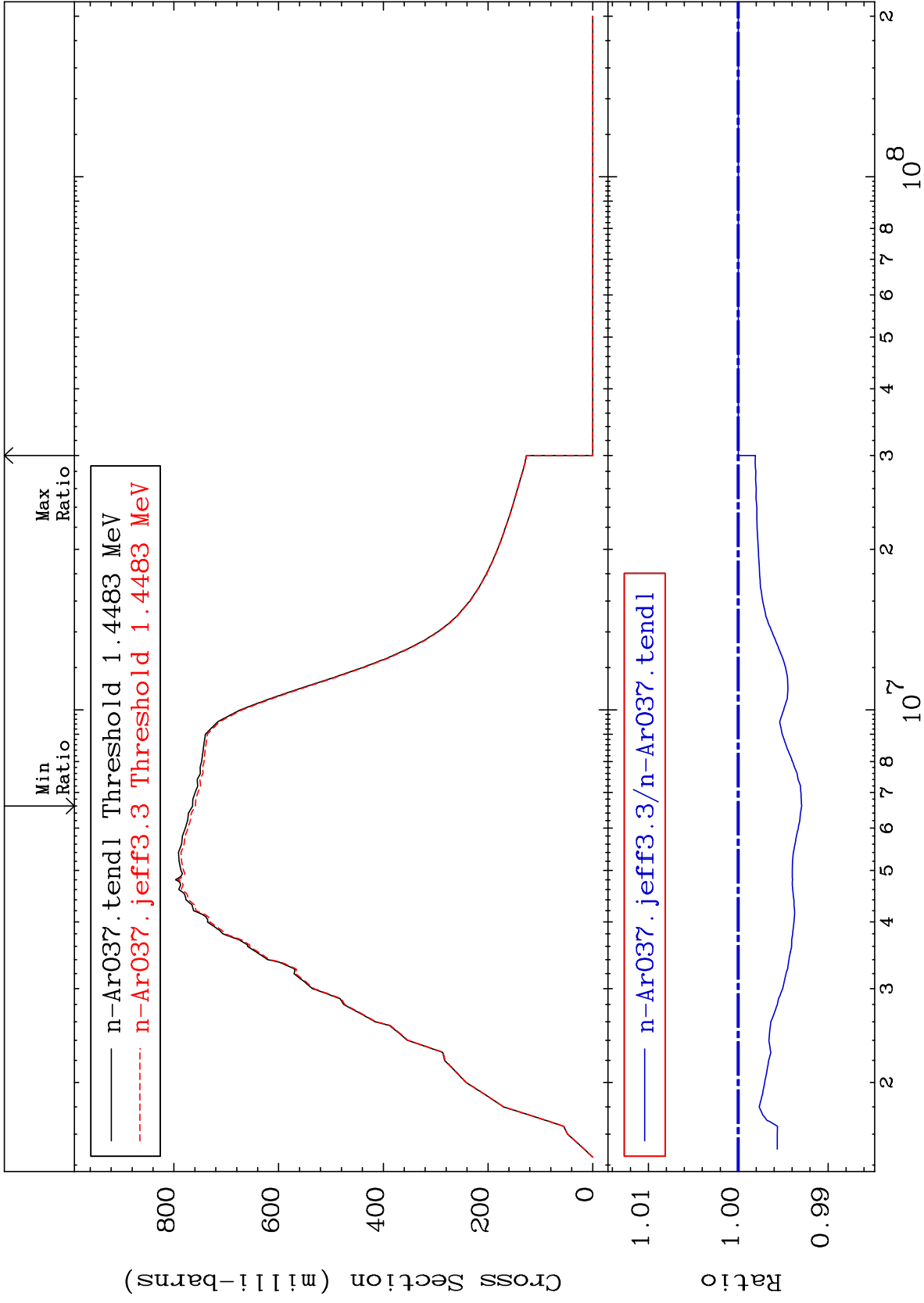


MAT 1828

18-Ar-37

Inelastic
Cross Section

-0.705 To 0.000 %



3

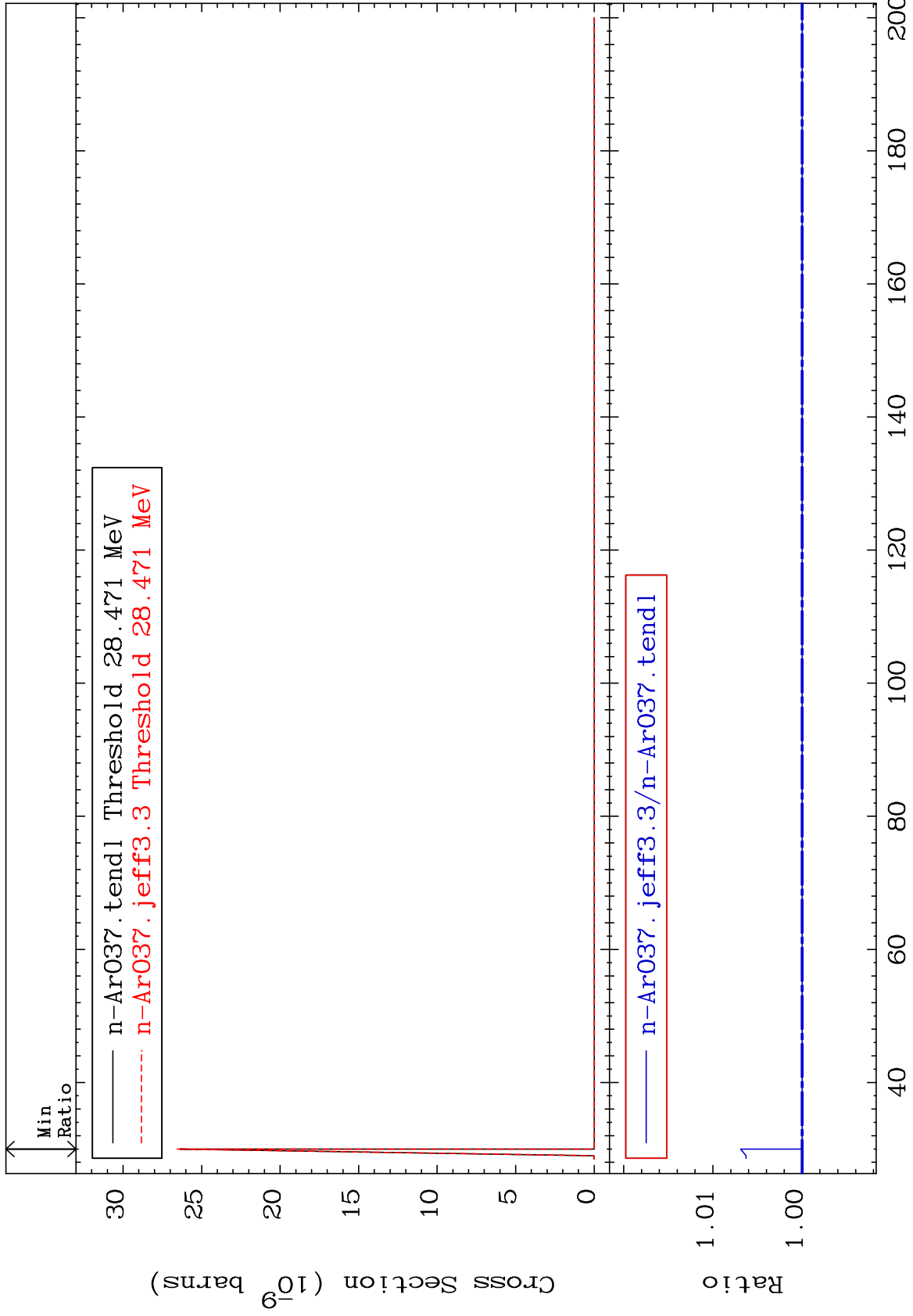
18-Ar-37

18-Ar-37

MAT 1828

(n,2n) d
Cross Section

18-Ar-37
0.000 To 0.688 %



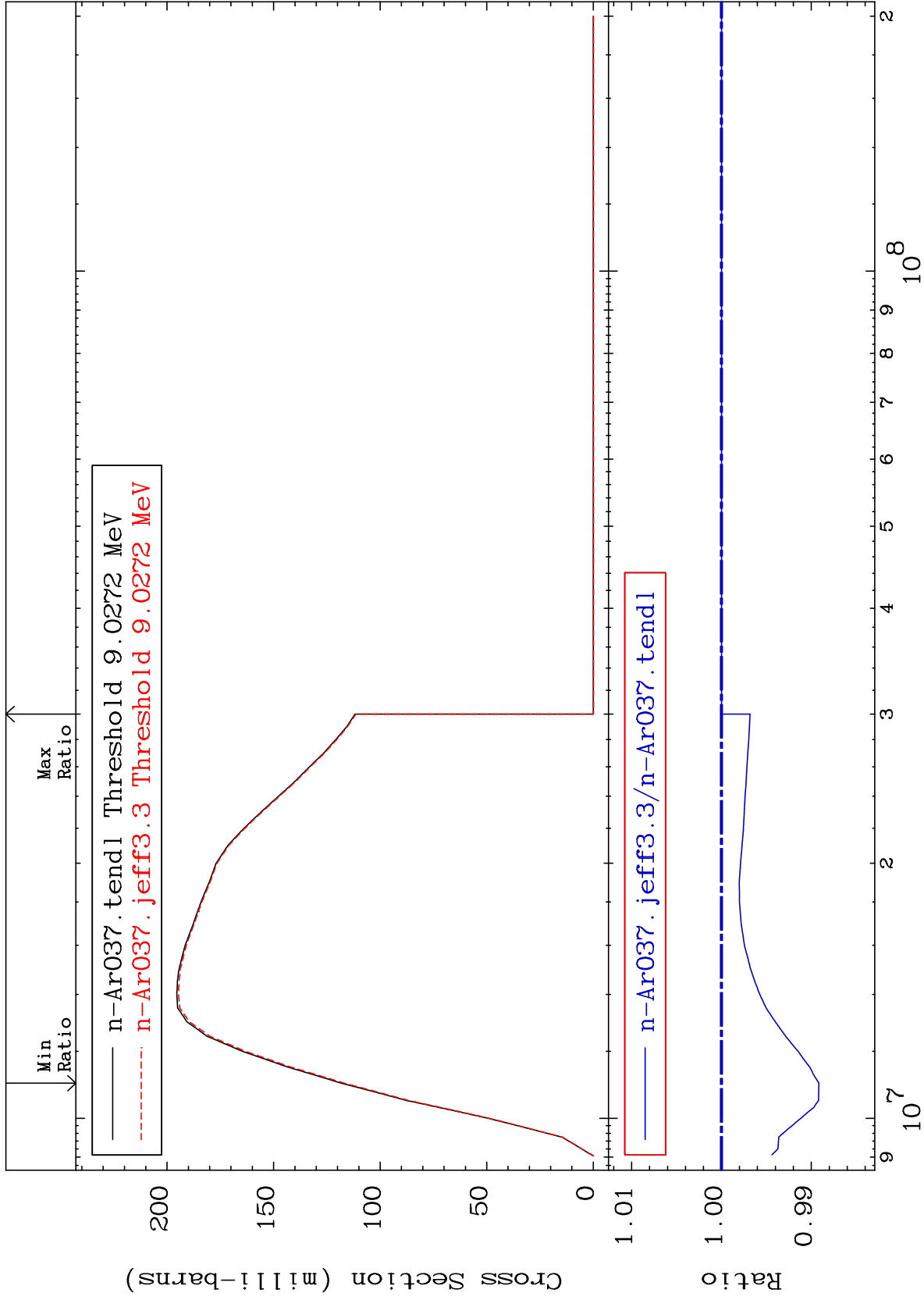
MAT 1828

(n,2n)

18-Ar-37

Cross Section

-1.084 To 0.000 %



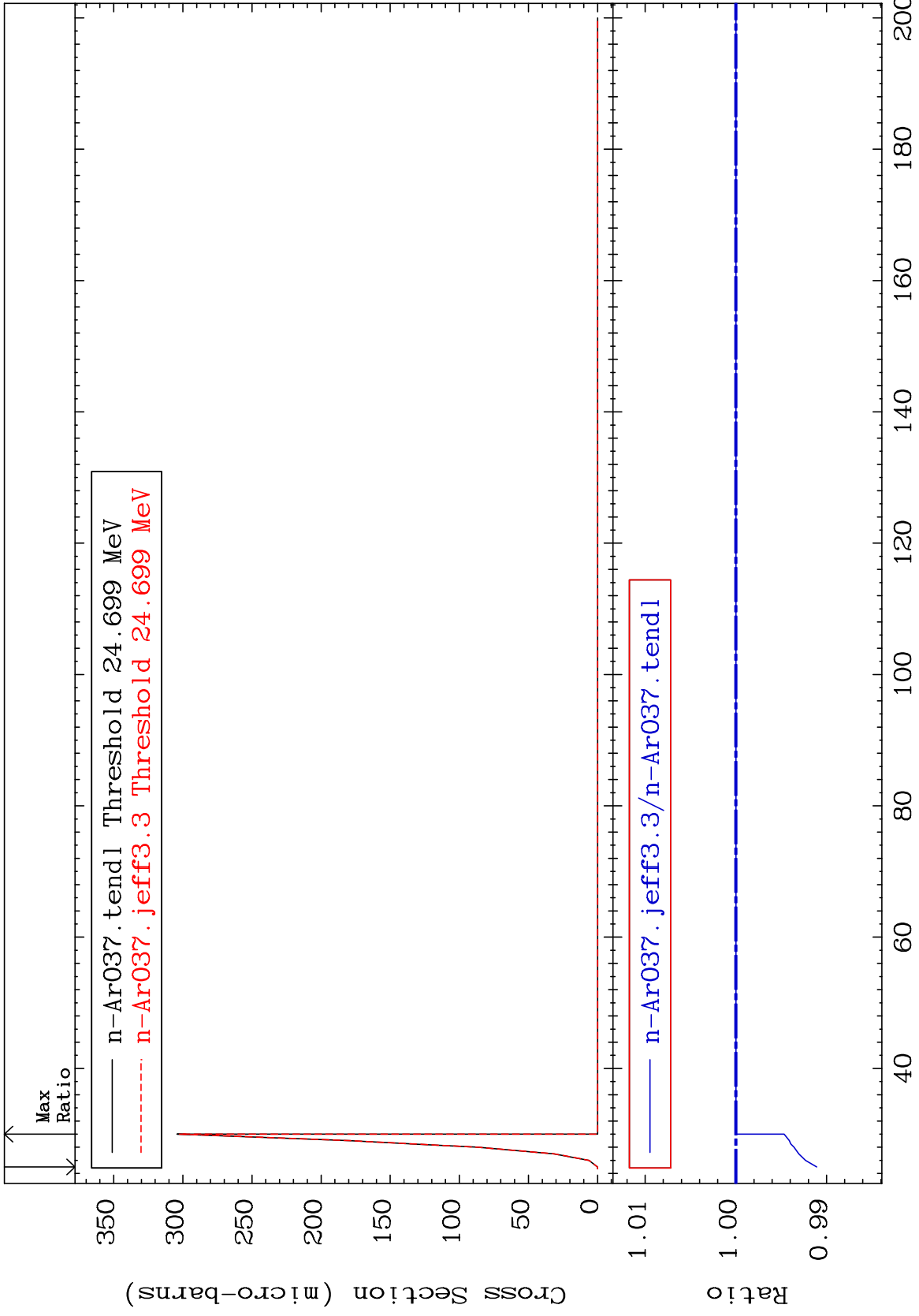
18-Ar-37

18-Ar-37

MAT 1828

(n,3n)
Cross Section

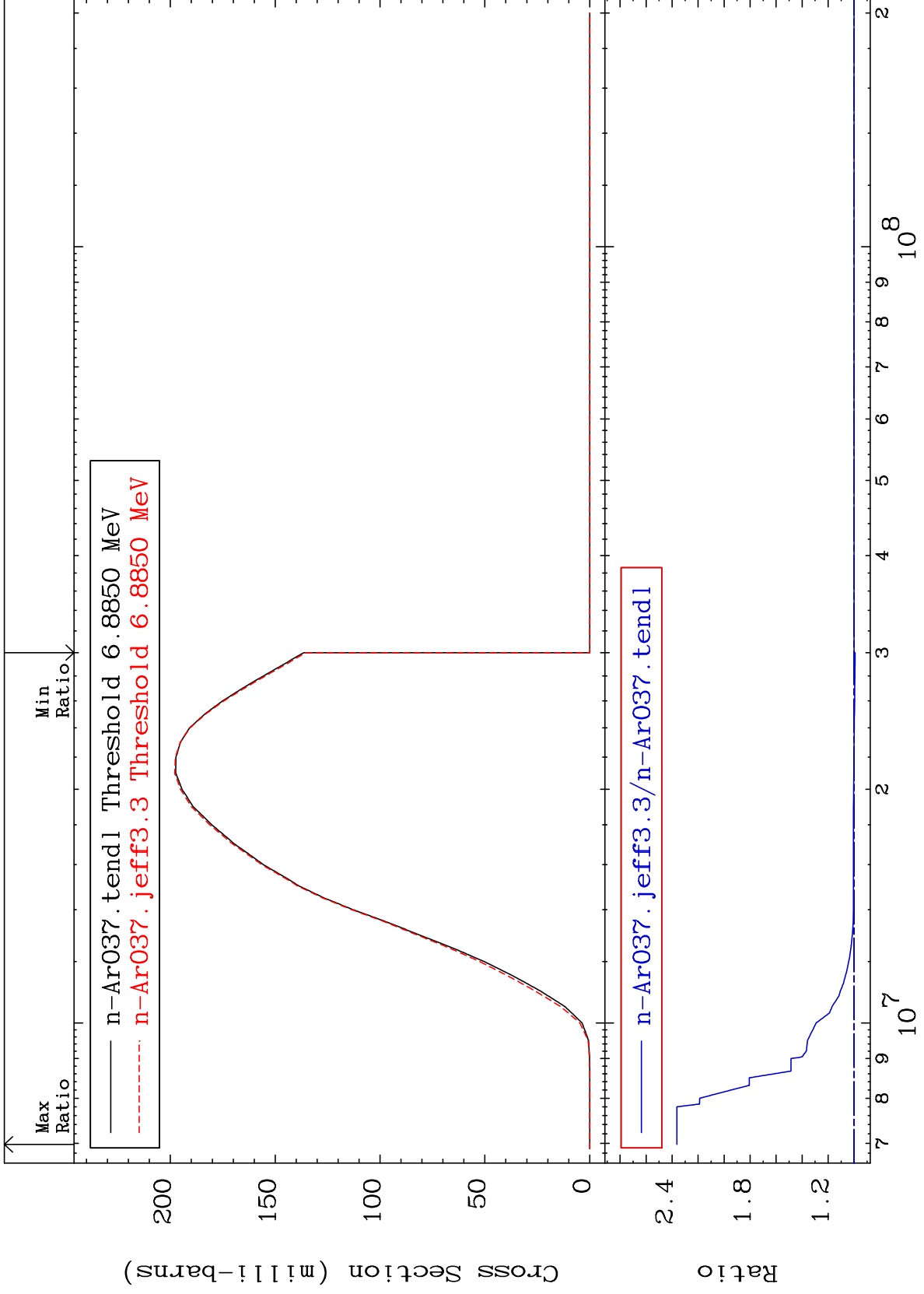
18-Ar-37
-0.891 To 0.000 %



MAT 1828

(n,n') α
Cross Section

18-Ar-37
-0.750 To 136.3 %



7

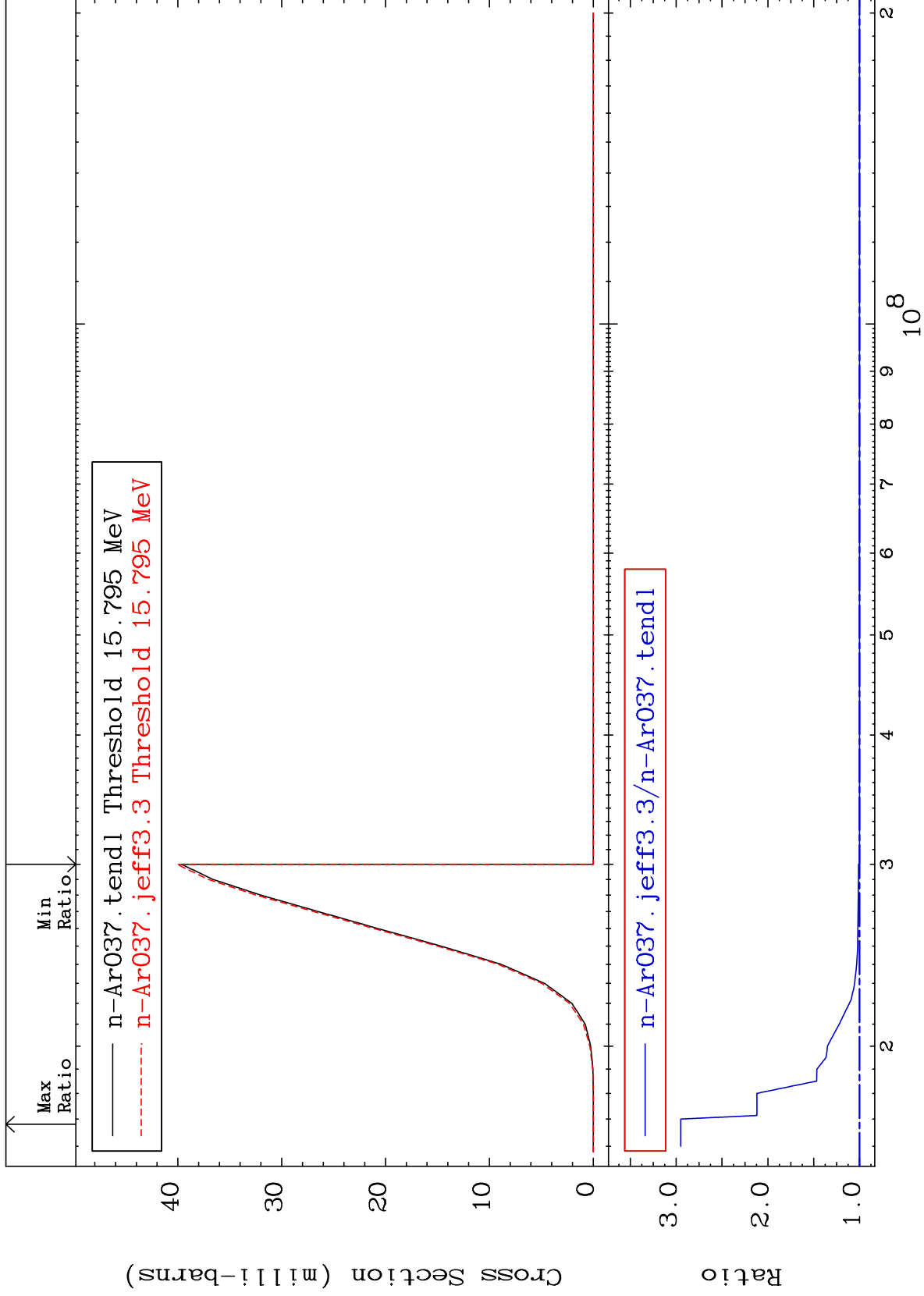
18-Ar-37

18-Ar-37

MAT 1828

(n,2n) α
Cross Section

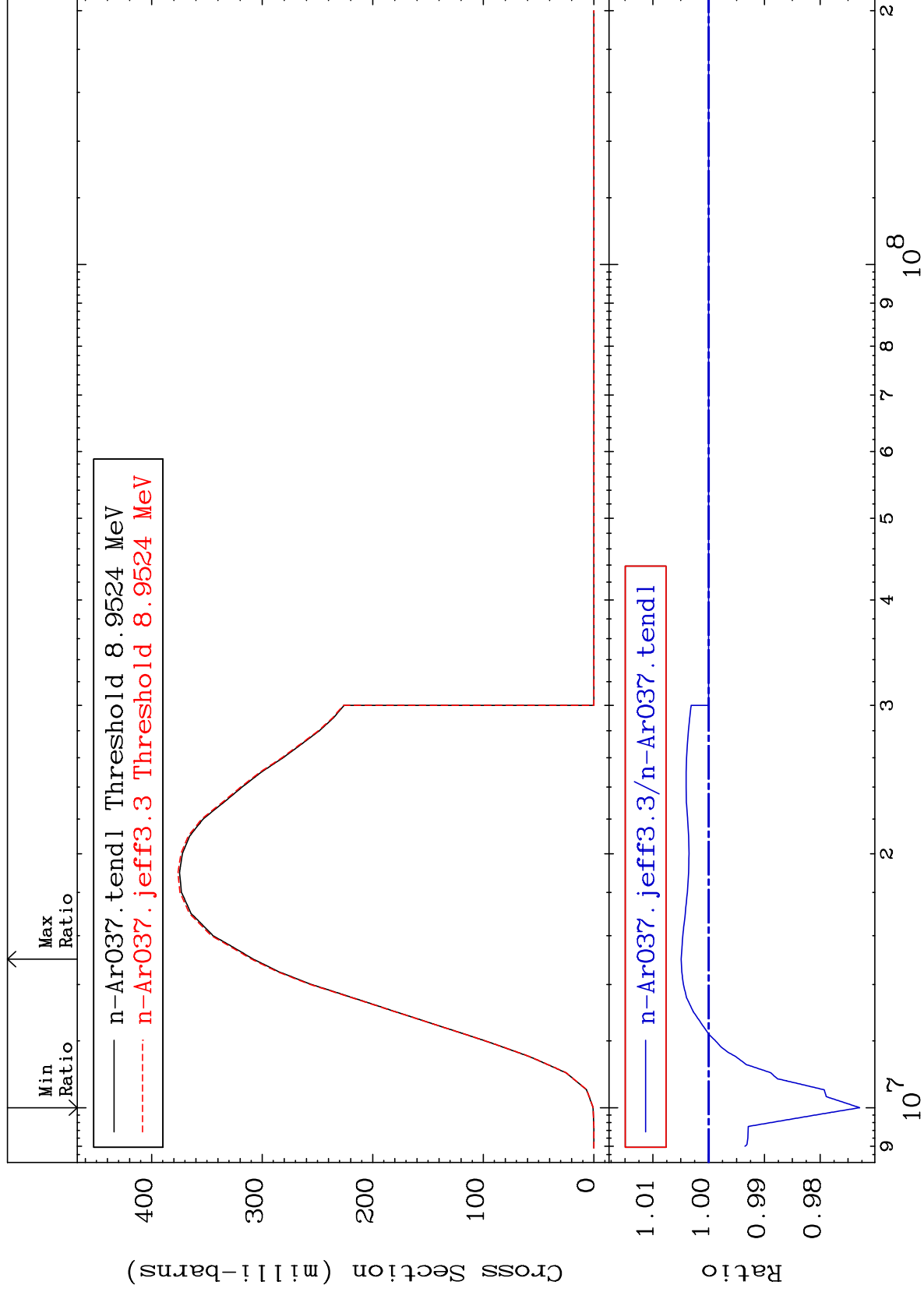
18-Ar-37
To 195.0 %
0.000



MAT 1828

(n,n') p
Cross Section

18-Ar-37
-2.709 To 0.493 %



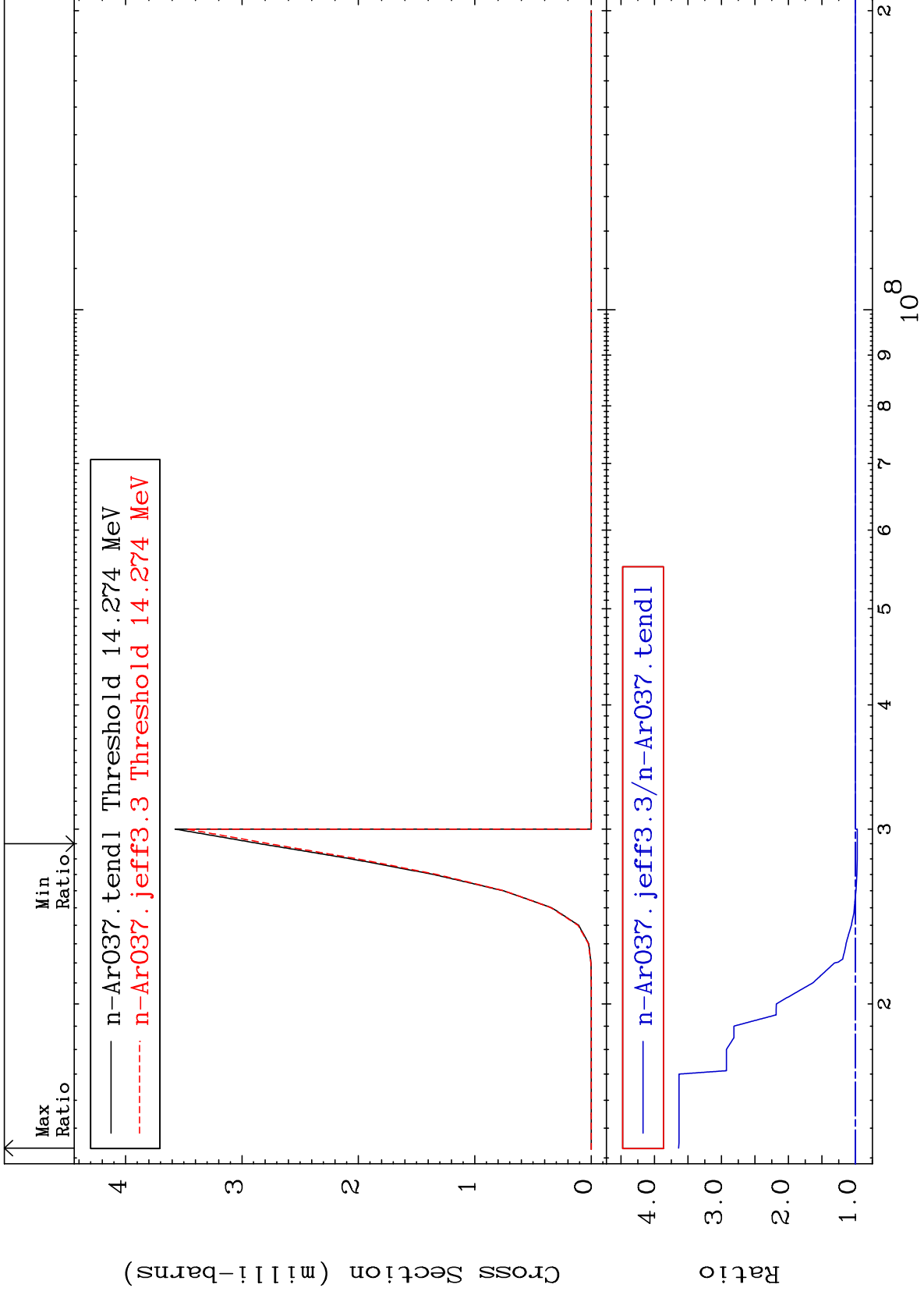
18-Ar-37

18-Ar-37

MAT 1828

(n, n') 2α
Cross Section

18-Ar-37
-2.782 To 263.9 %



10

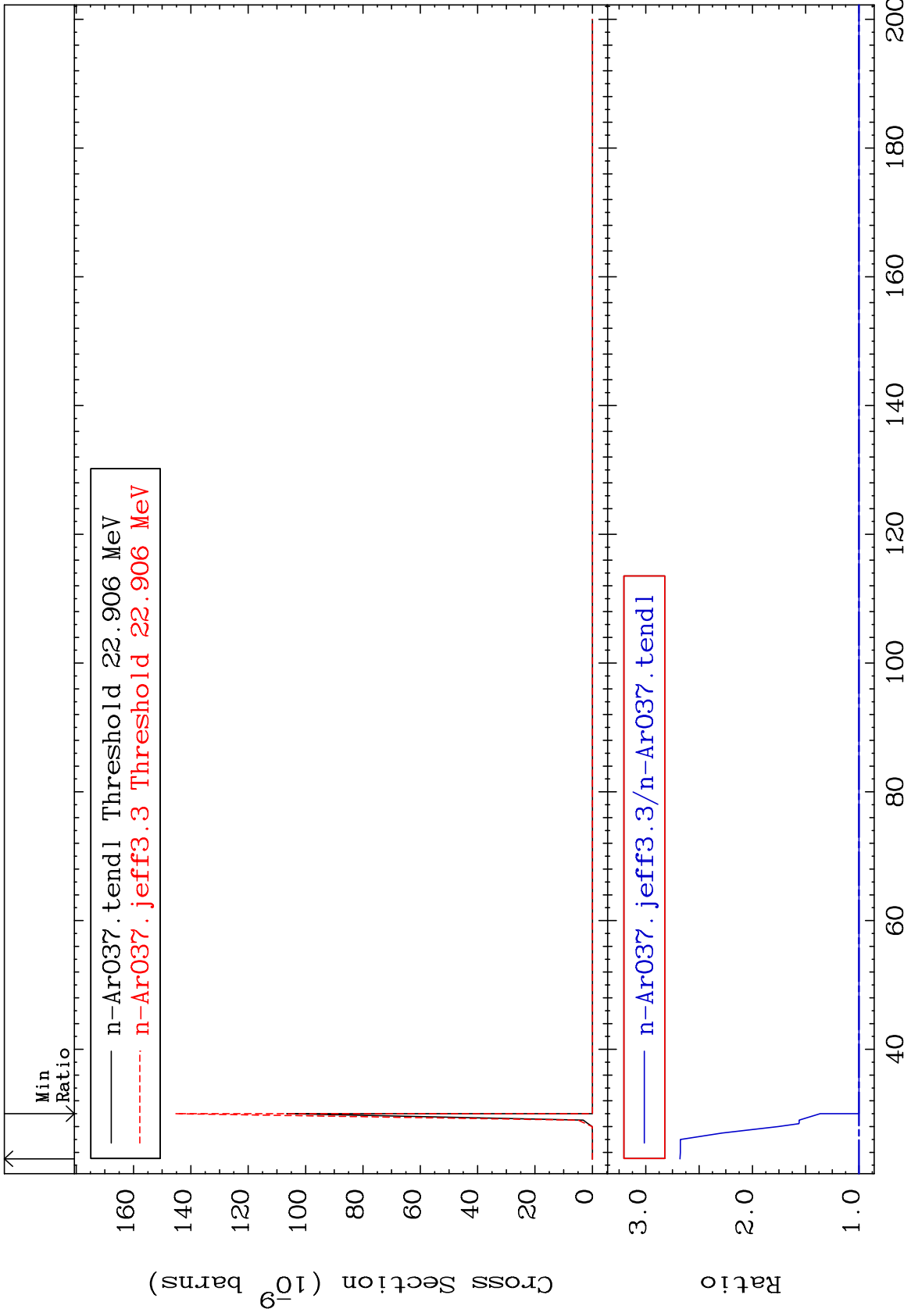
Incident Energy (eV)

18-Ar-37

MAT 1828

(n,2n) 2α
Cross Section

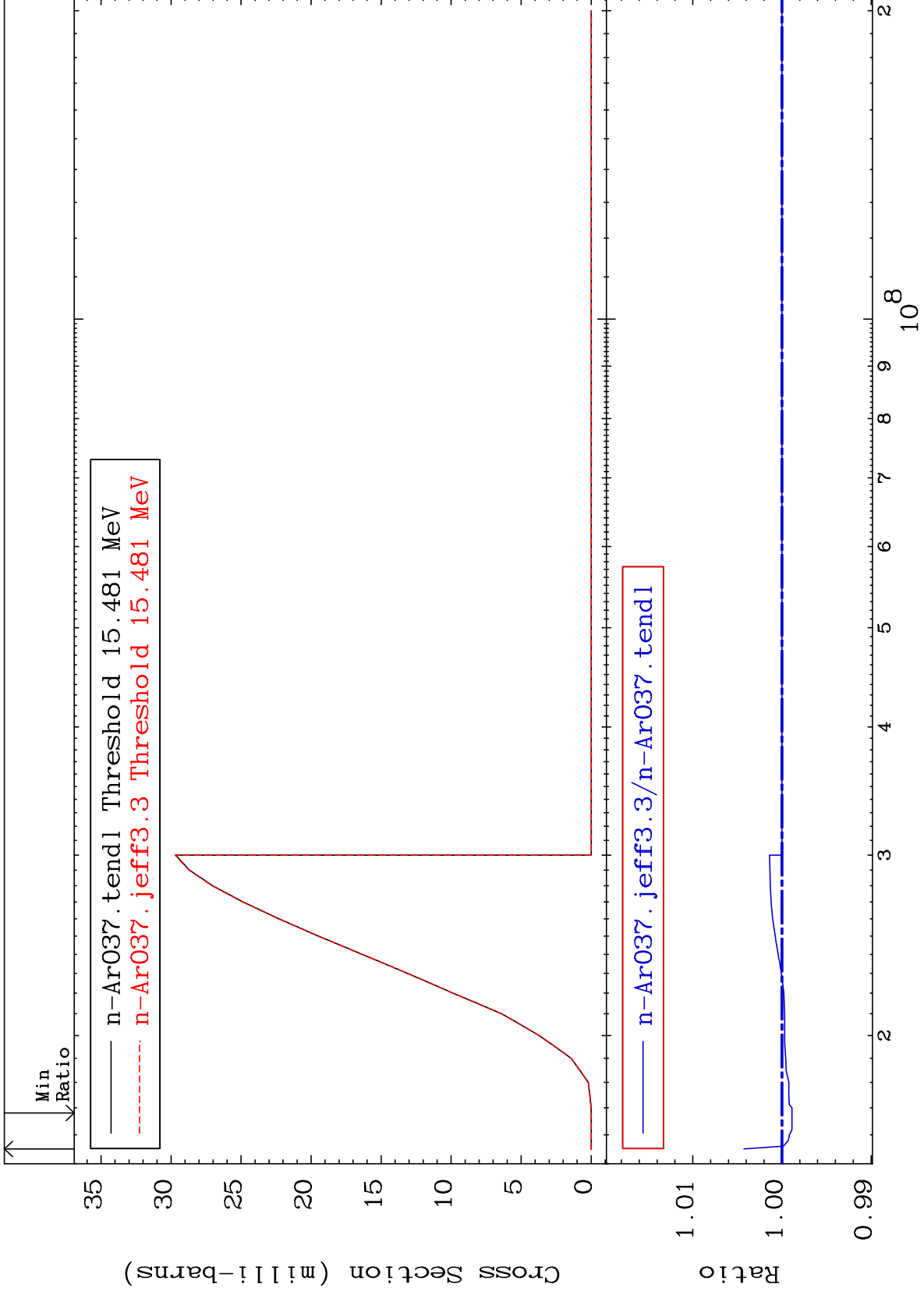
18-Ar-37
0.000 To 167.9 %



MAT 1828

(n,n') d
Cross Section

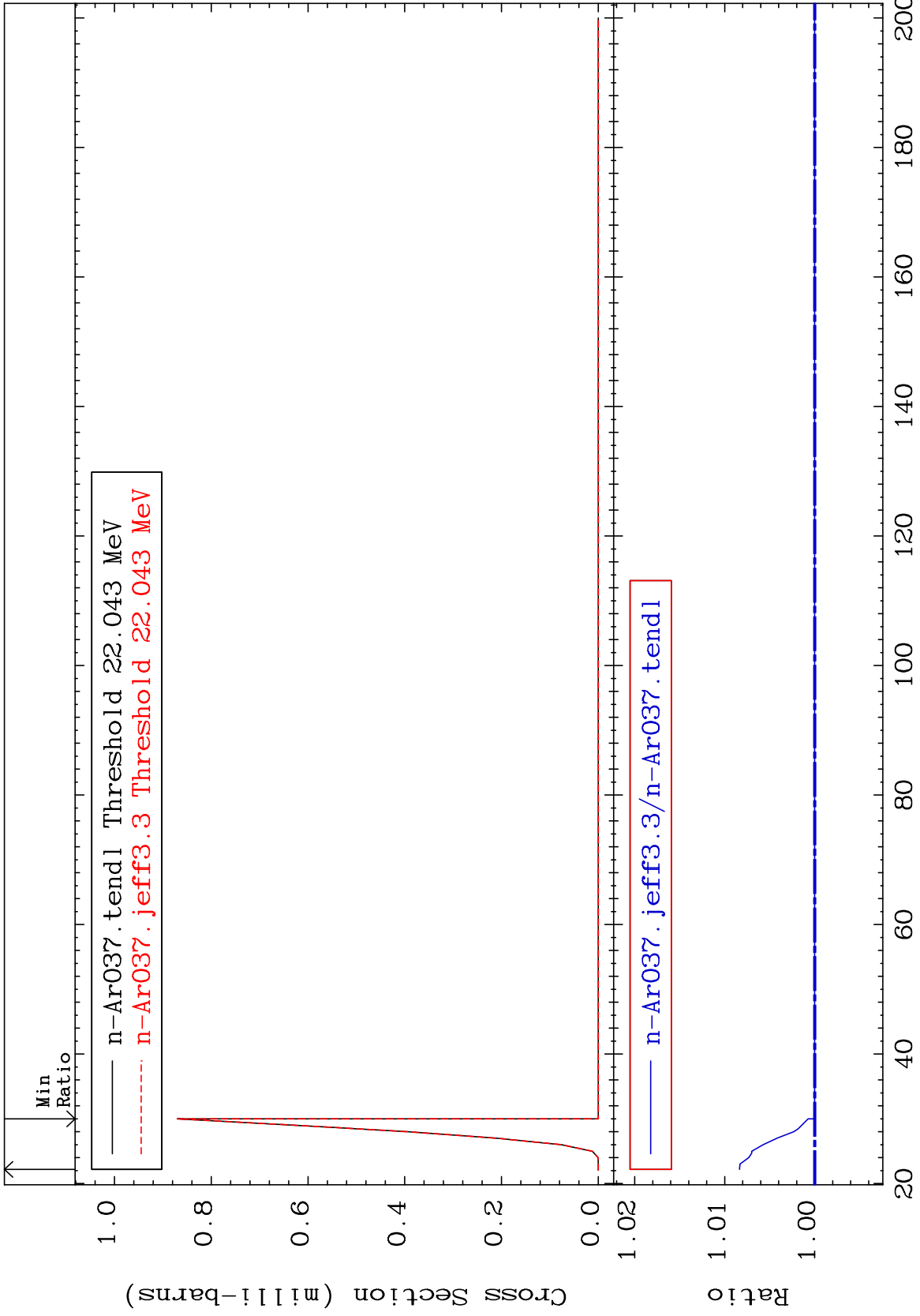
18-Ar-37
-0.113 To 0.427 %



MAT 1828

(n,n') t
Cross Section

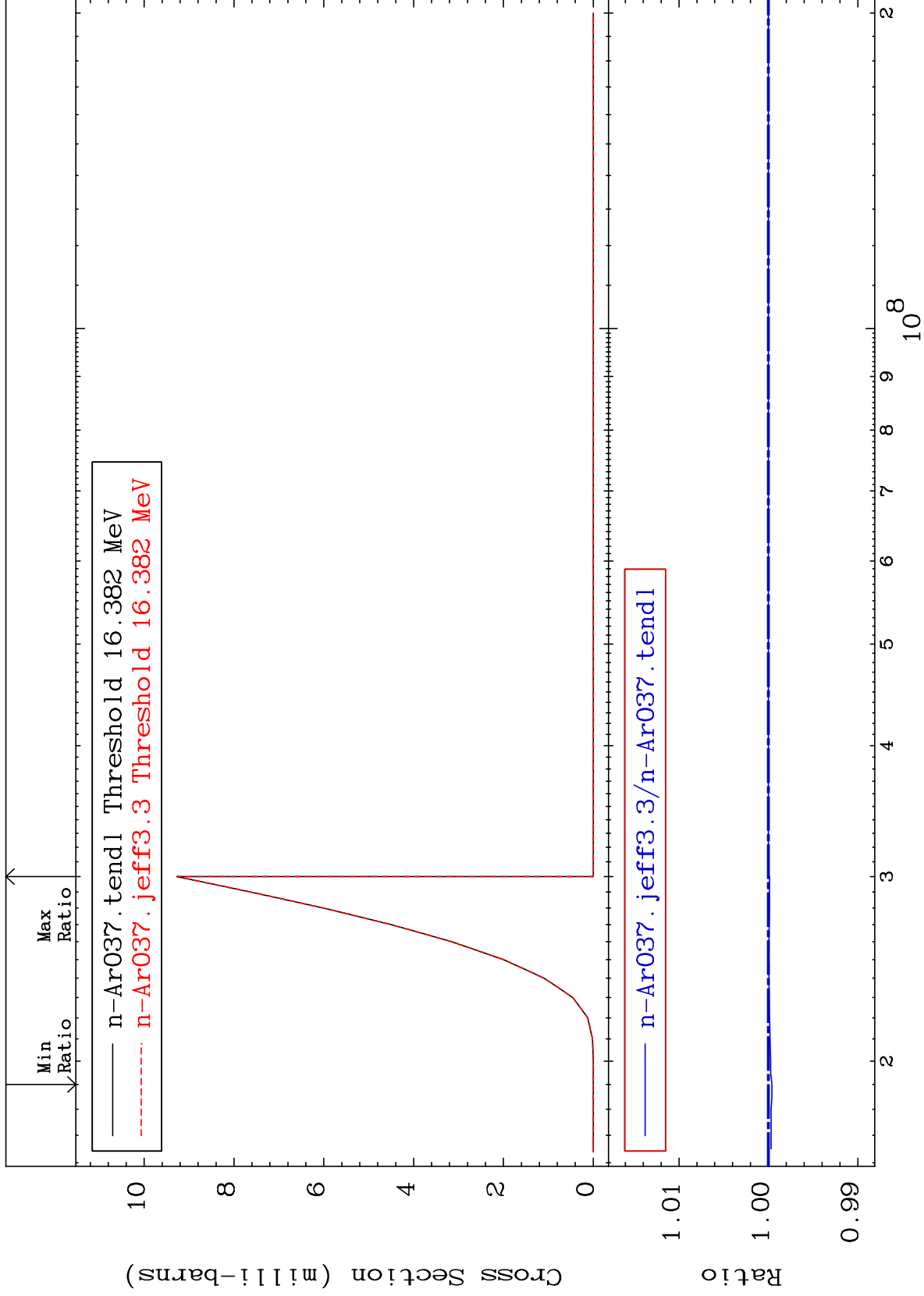
18-Ar-37
To 0.835 %



MAT 1828

(n, n') He-3
Cross Section

18-Ar-37
-0.040 To 0.000 %



14

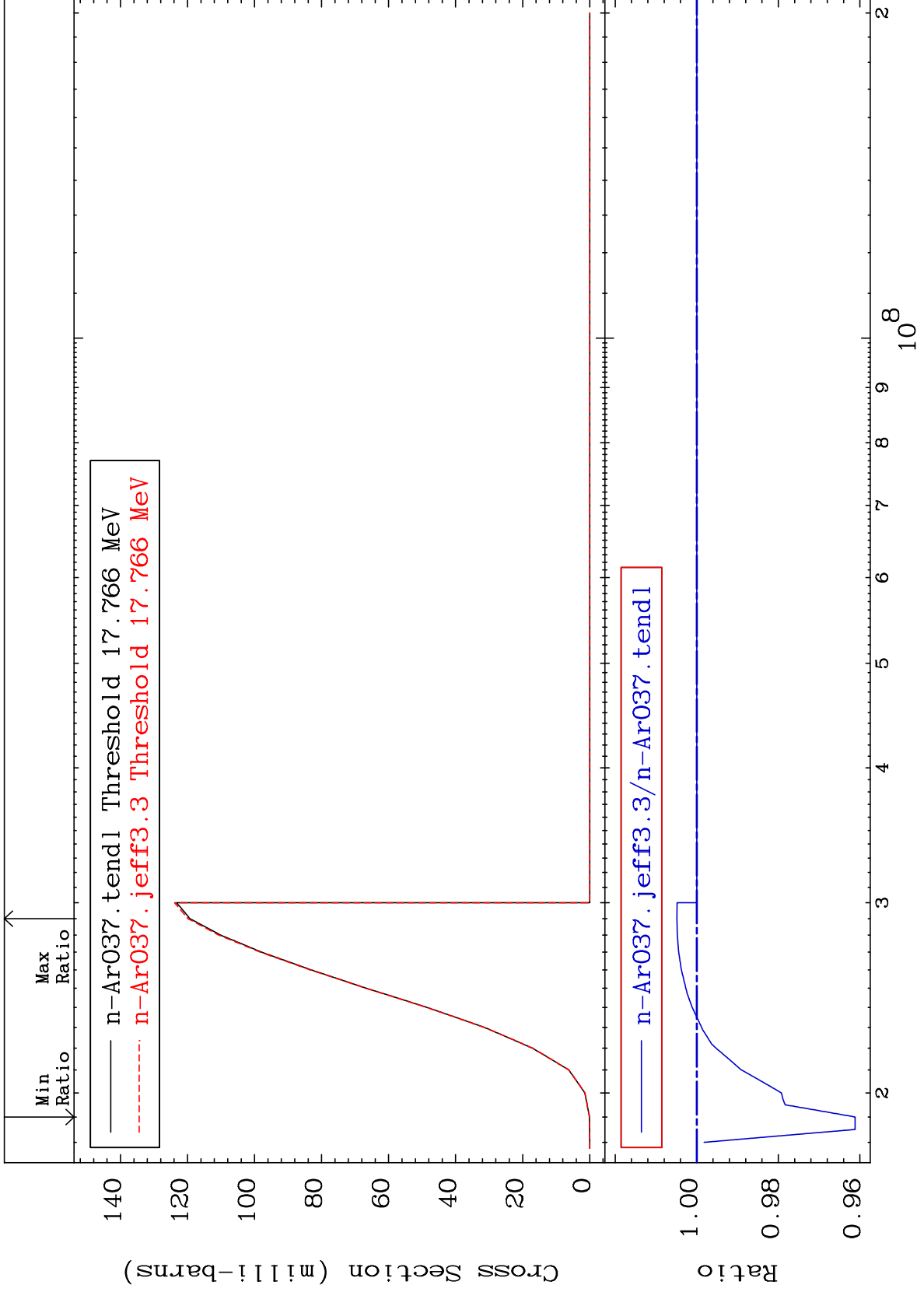
Incident Energy (eV)

18-Ar-37

MAT 1828

(n,2n) p
Cross Section

18-Ar-37
-3.881 To 0.486 %



15

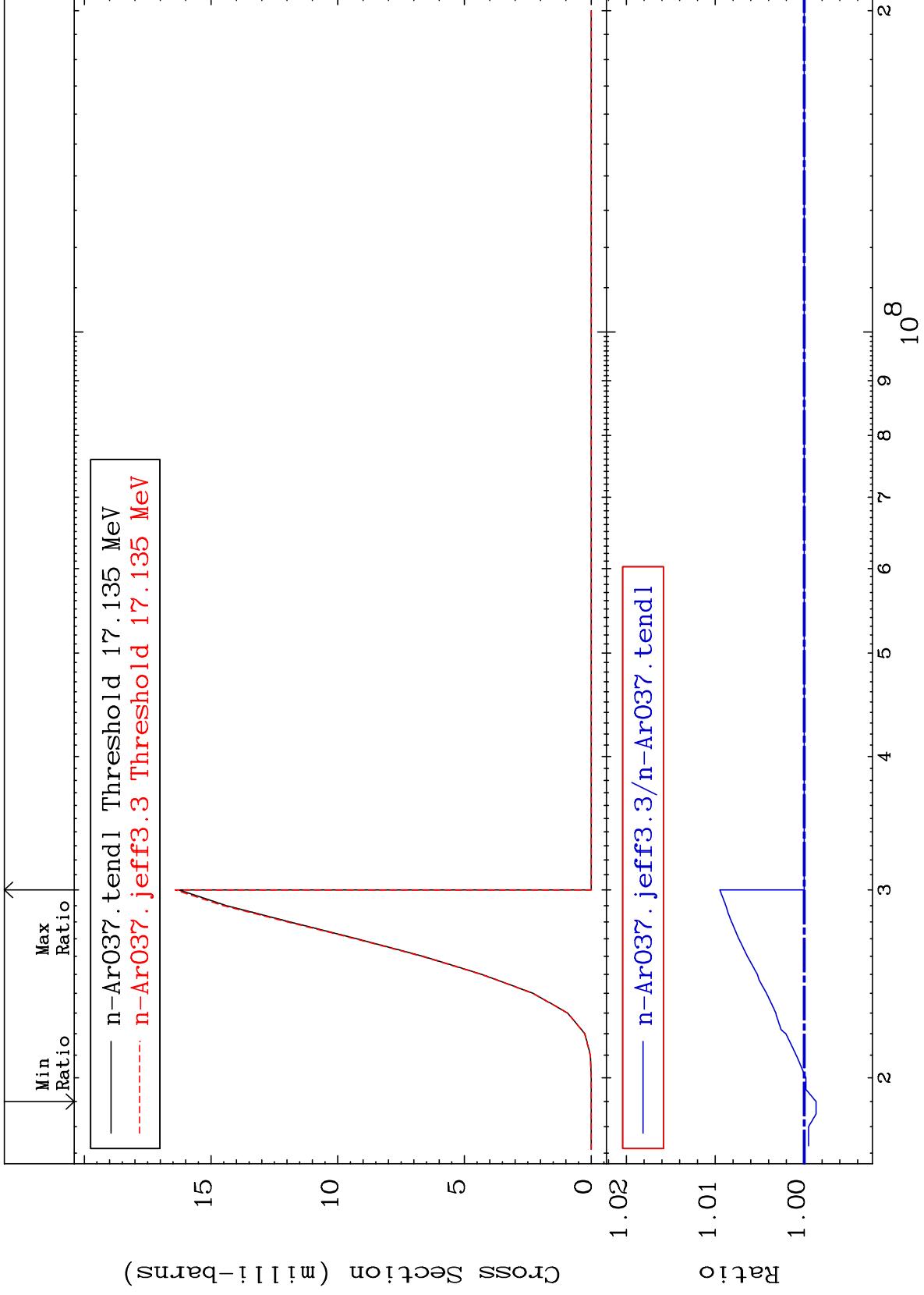
18-Ar-37

18-Ar-37

MAT 1828

(n,2n) p
Cross Section

18-Ar-37
-0.134 To 0.949 %



16

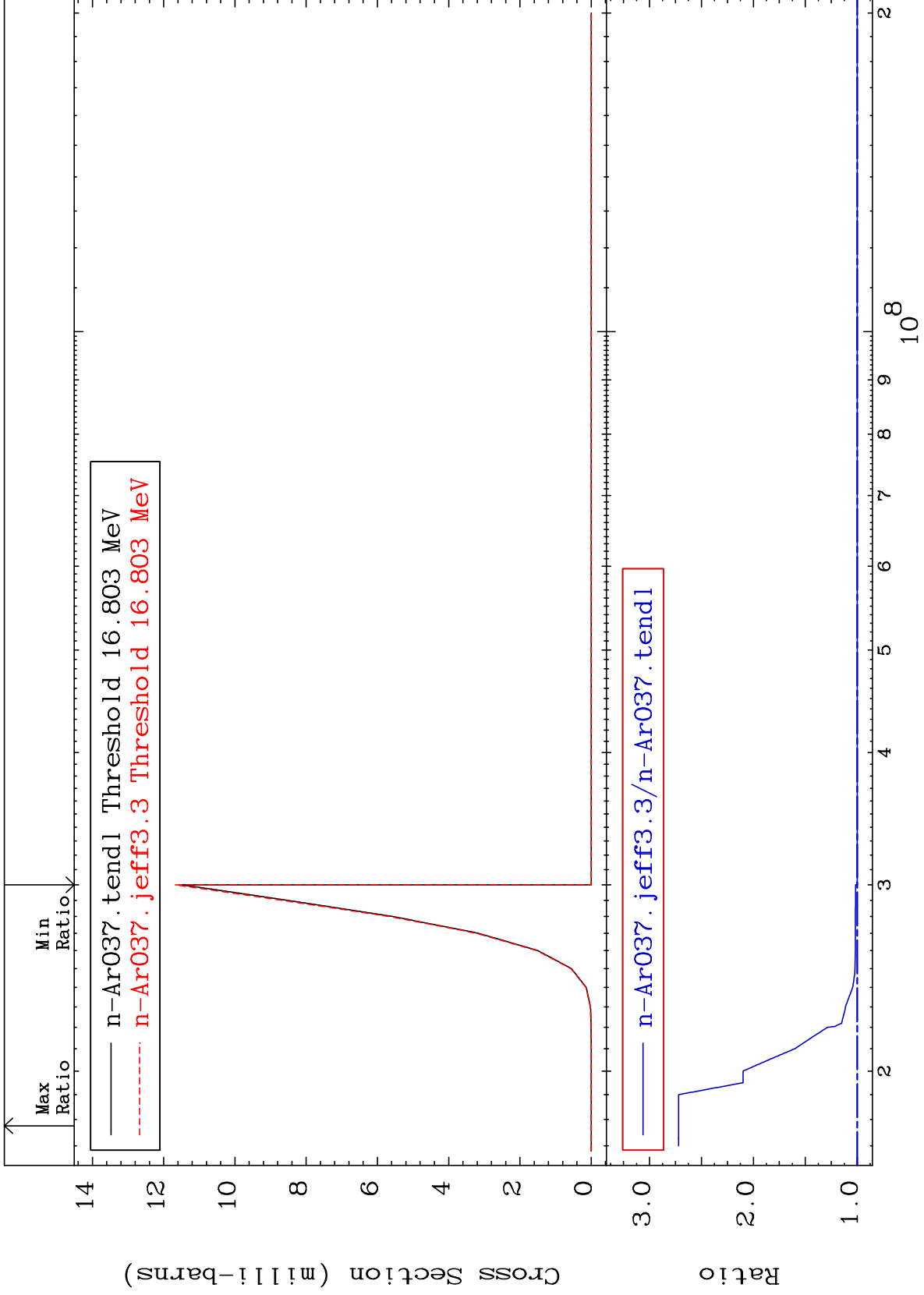
18-Ar-37

18-Ar-37

MAT 1828

(n,n') p α
Cross Section

18-Ar-37
To 172.0 %
0.000



17

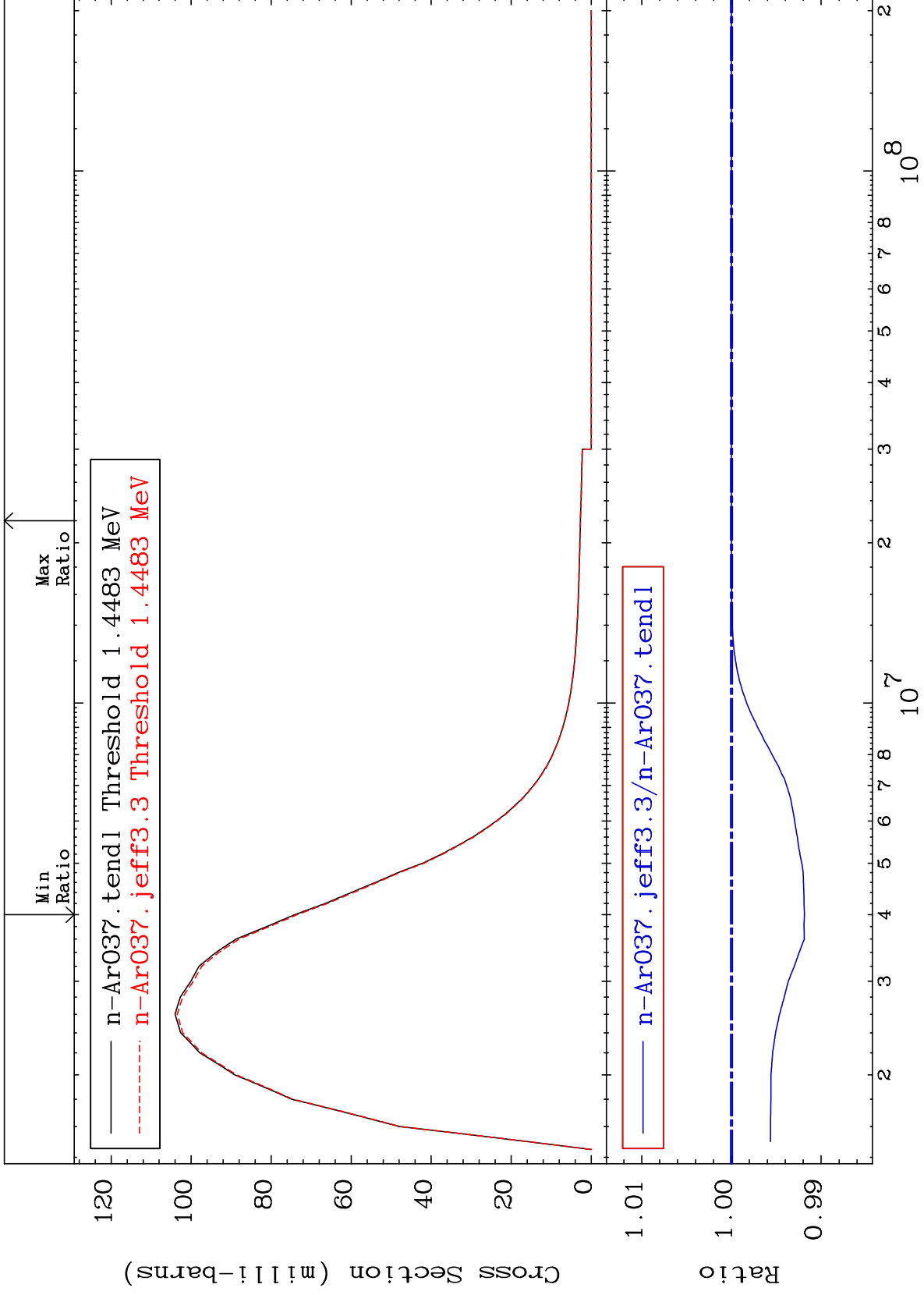
18-Ar-37

18-Ar-37

MAT 1828

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

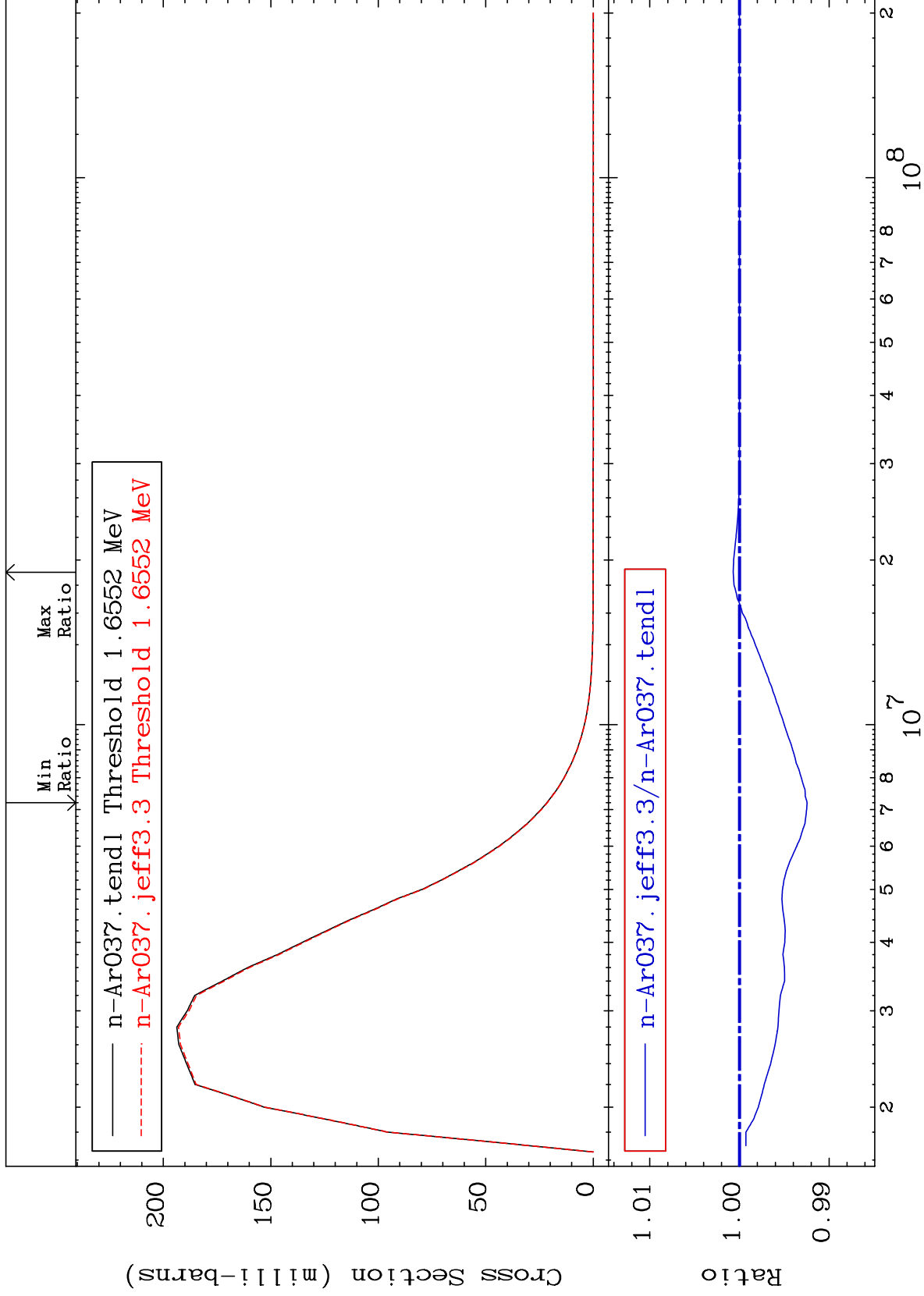
18-Ar-37
-0.814 To 0.000 %



MAT 1828

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

18-Ar-37
-0.755 To 0.071 %



19

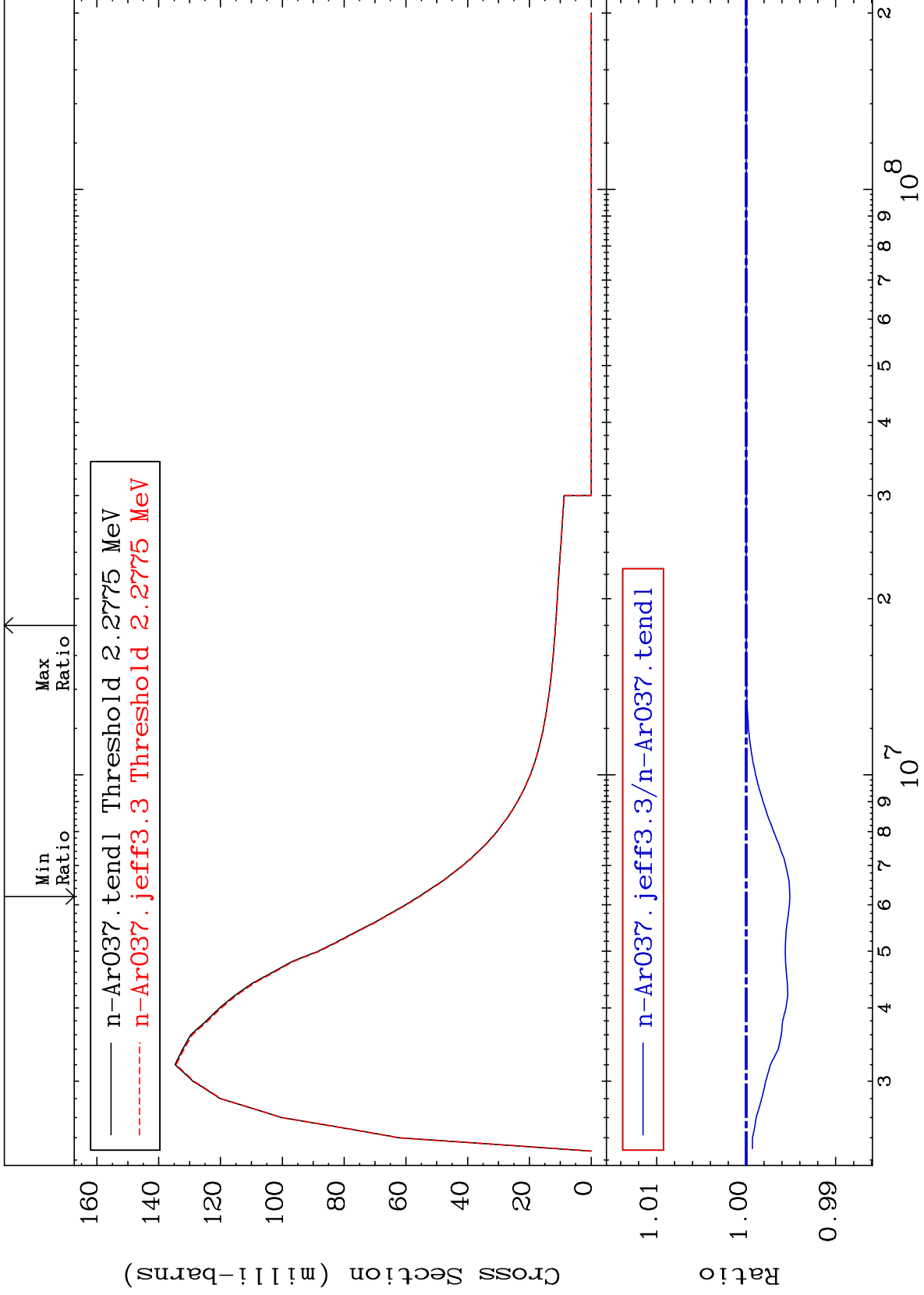
Incident Energy (eV)

18-Ar-37

MAT 1828

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

18-Ar-37
-0.487 To 0.000 %



20

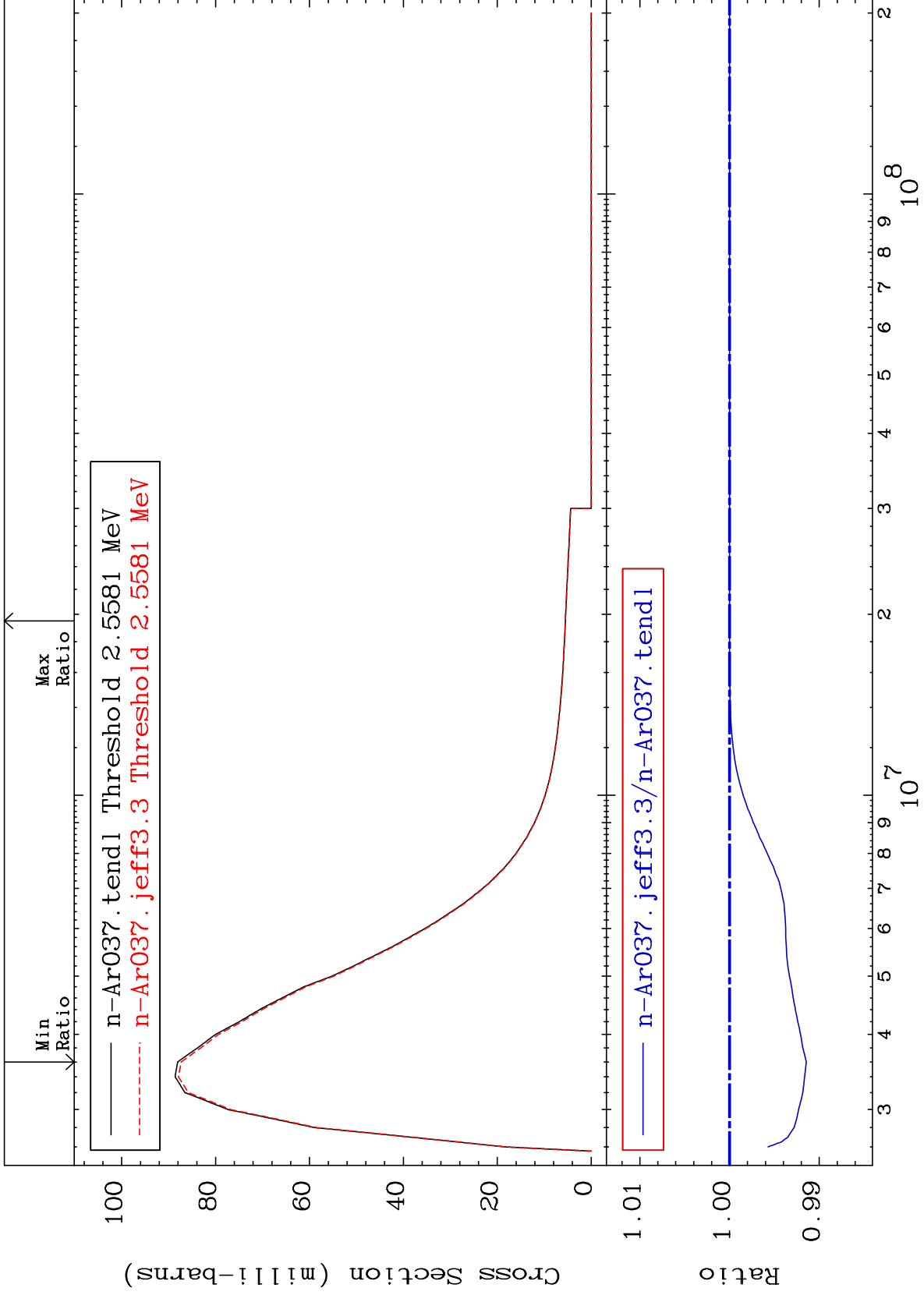
Incident Energy (eV)

18-Ar-37

MAT 1828

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

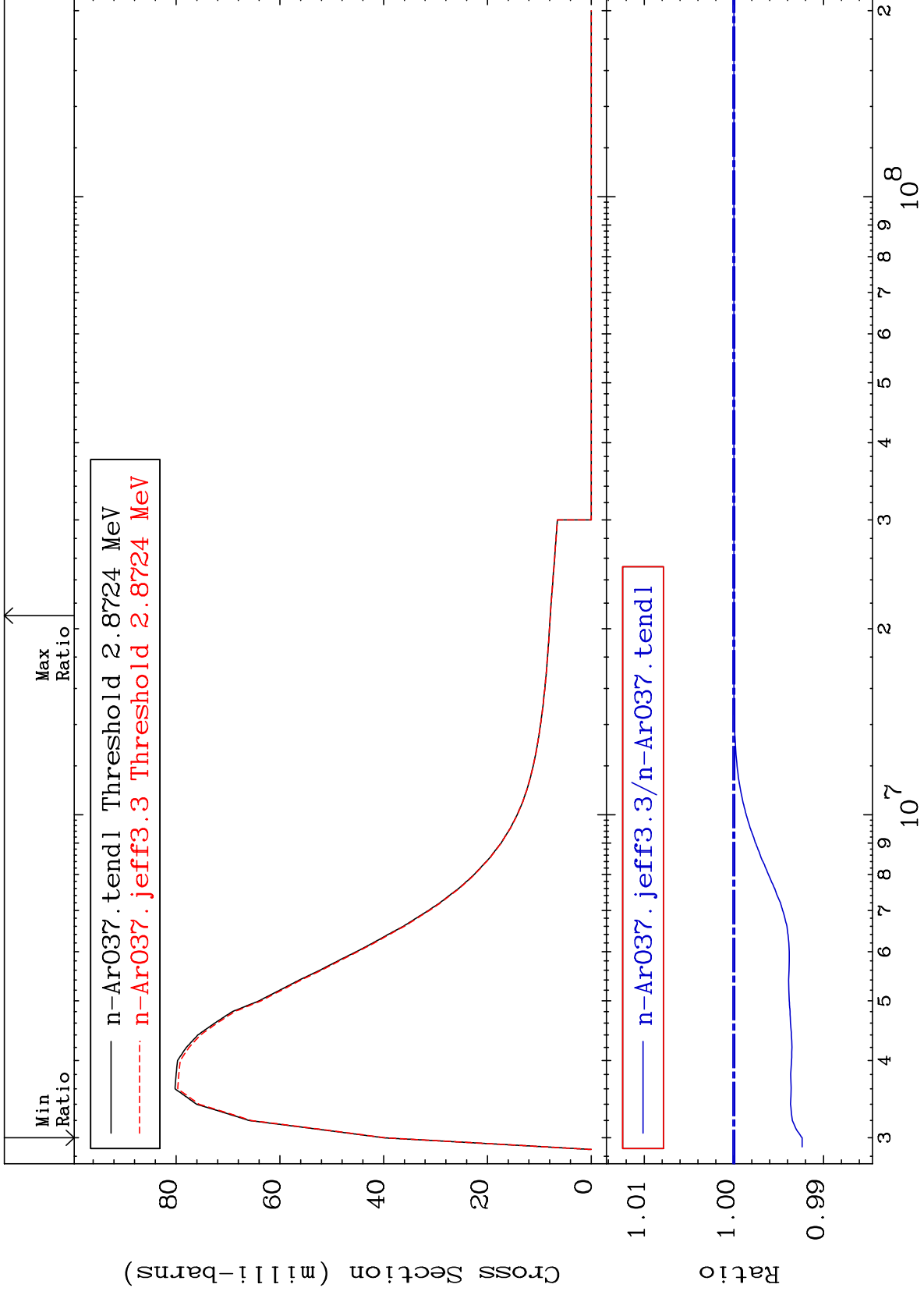
18-Ar-37
-0.856 To 0.000 %



MAT 1828

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

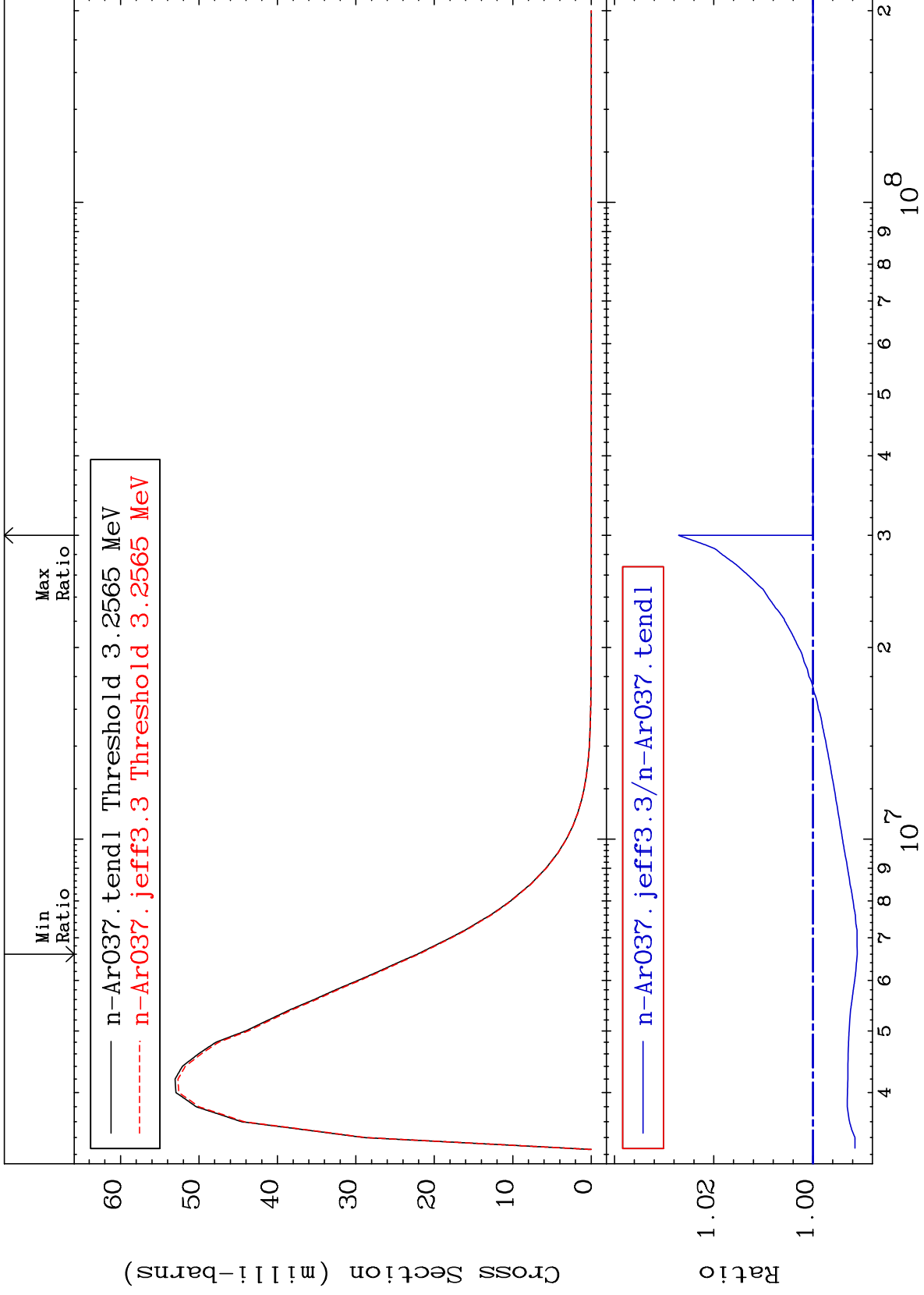
18-Ar-37
-0.761 To 0.000 %



MAT 1828

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

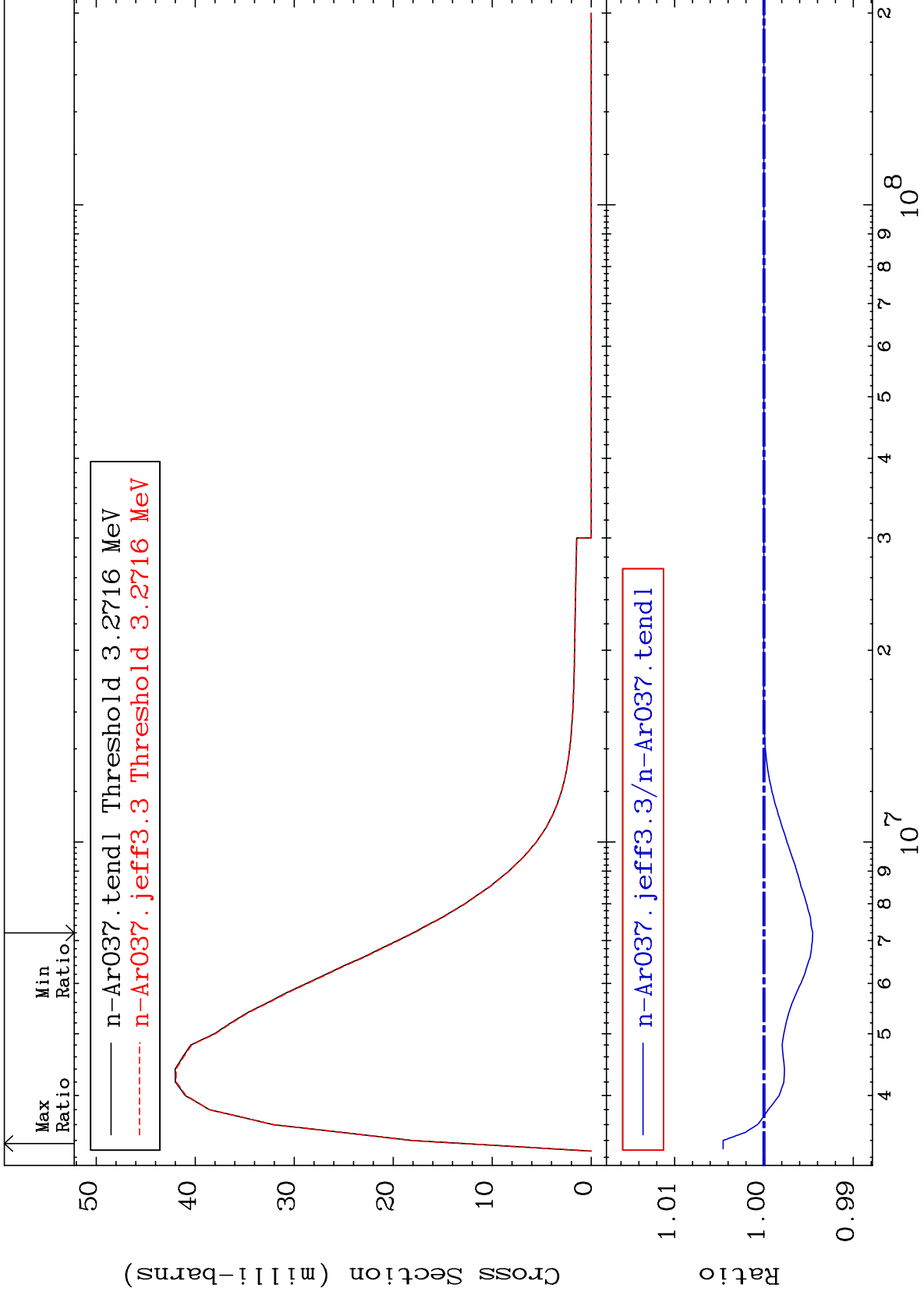
18-Ar-37
-0.893 To 2.707 %



MAT 1828

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

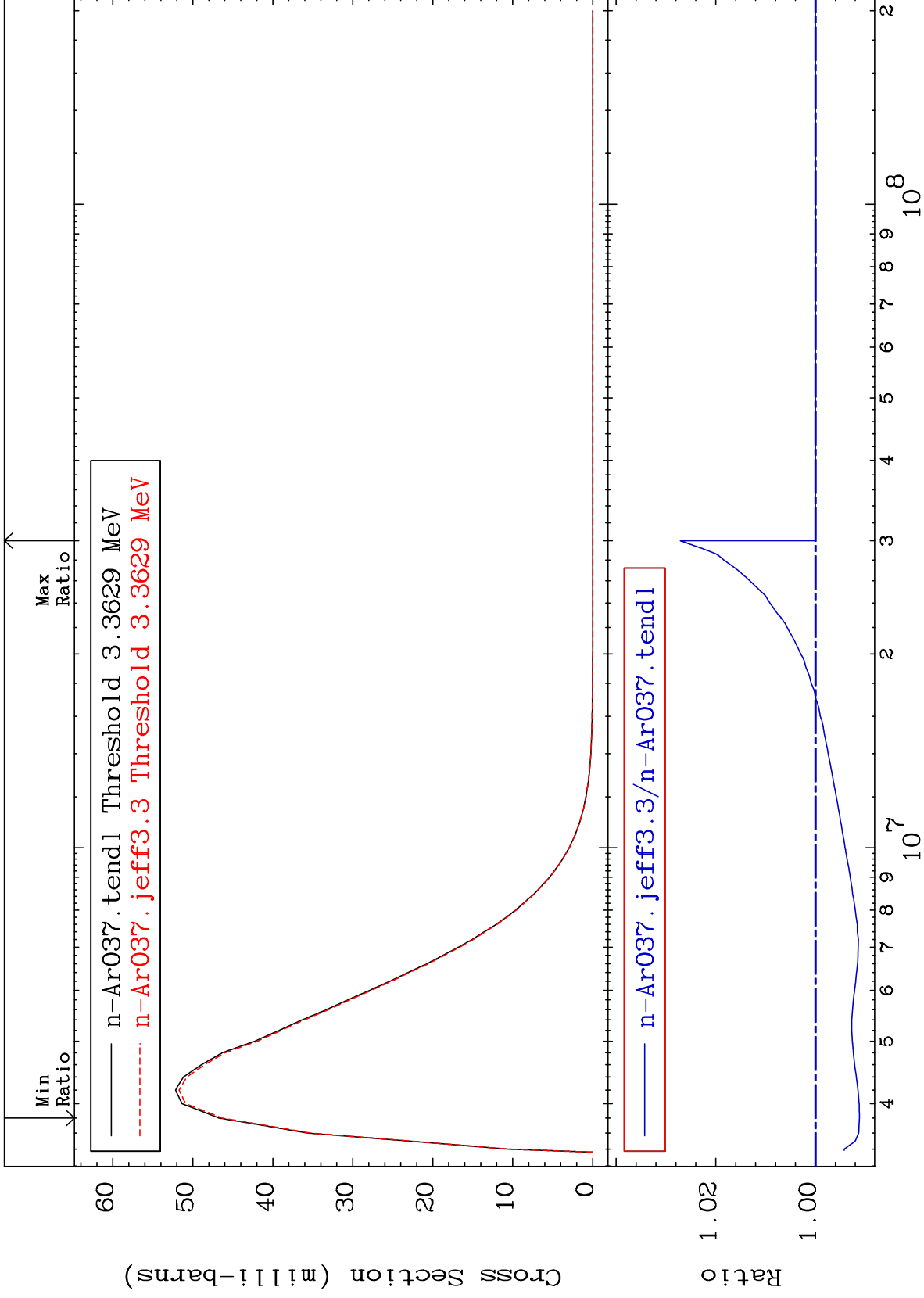
18-Ar-37
-0.546 To 0.456 %



MAT 1828

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

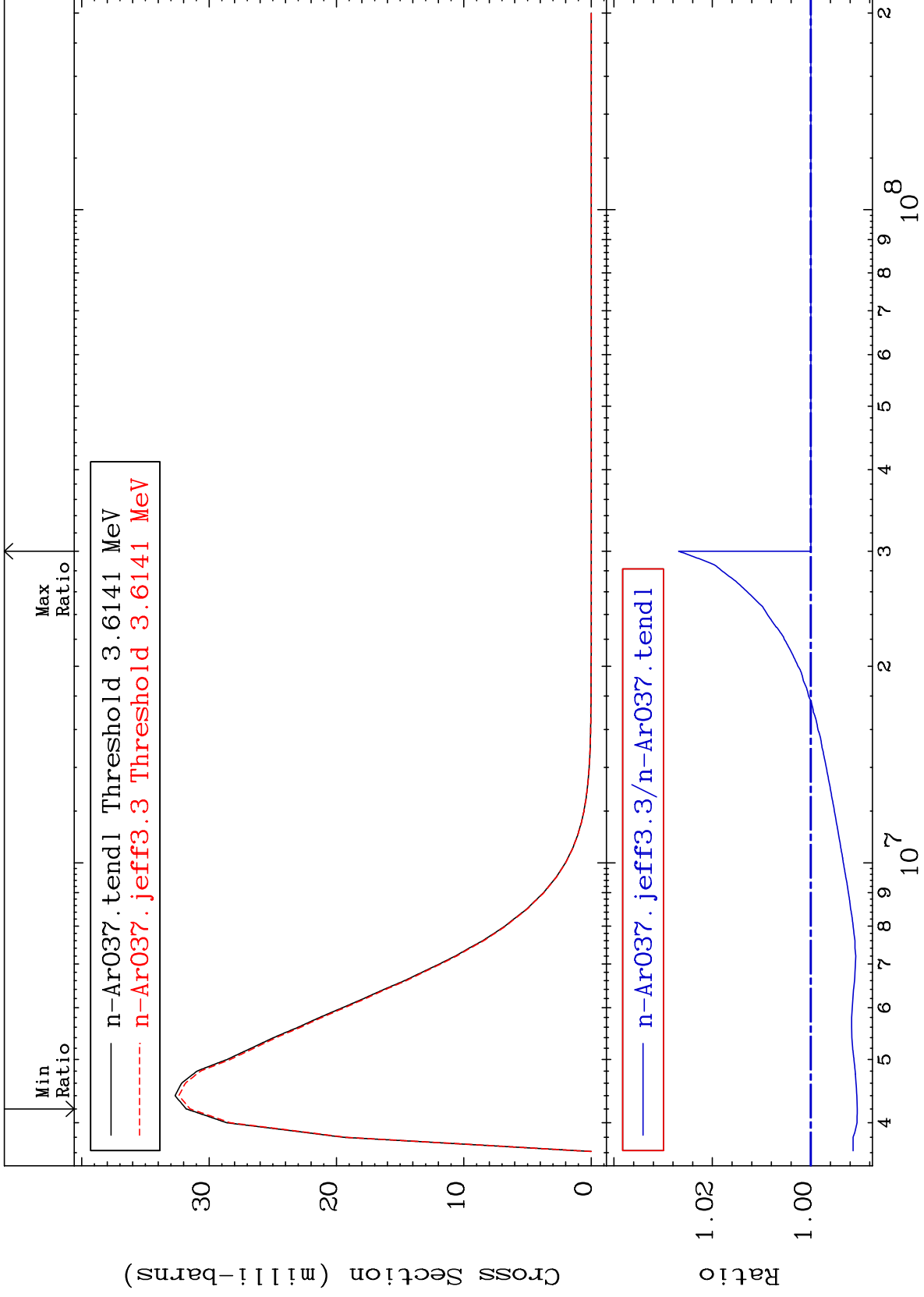
18-Ar-37
-0.882 To 2.710 %



MAT 1828

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

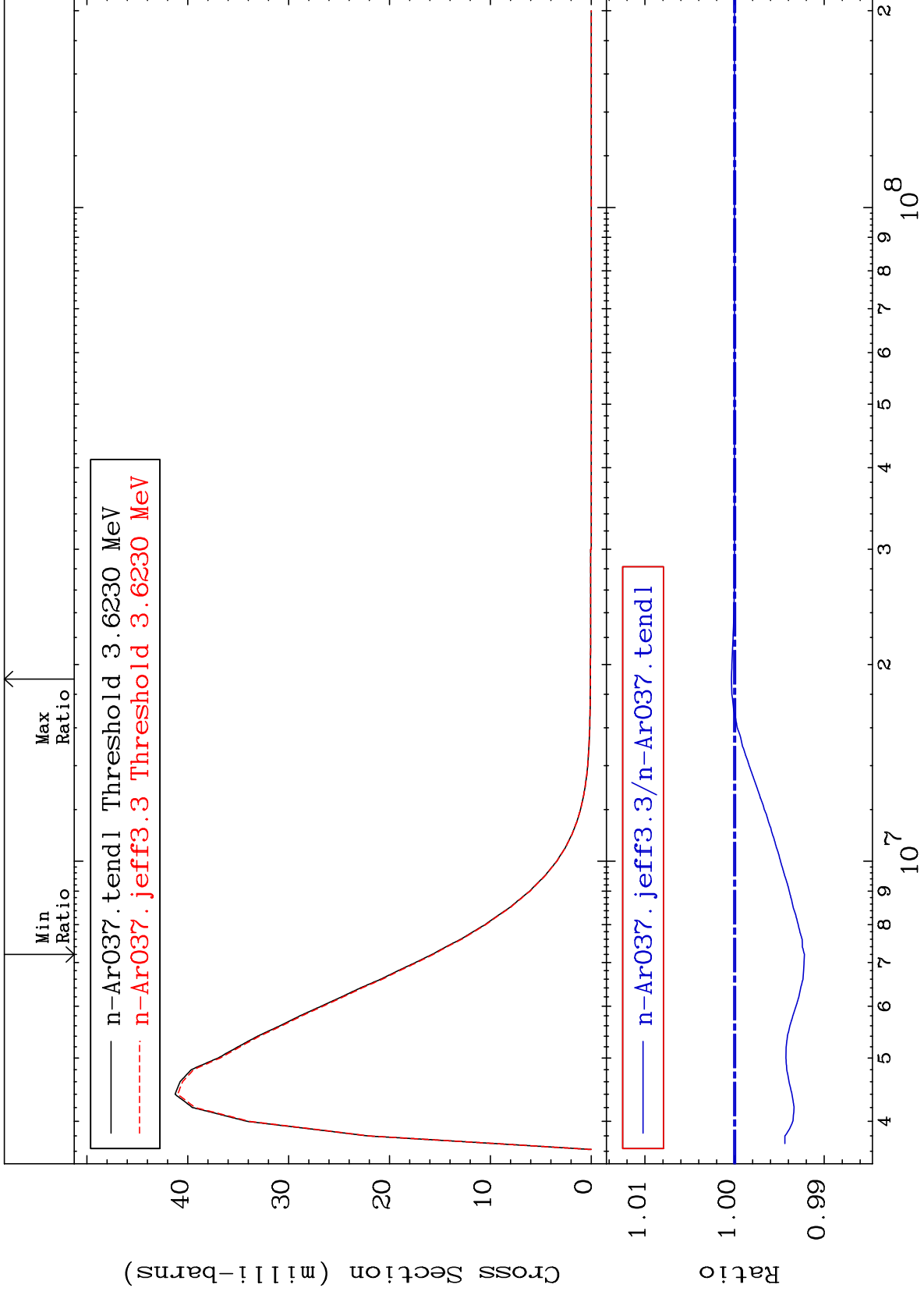
18-Ar-37
-0.945 To 2.686 %



MAT 1828

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

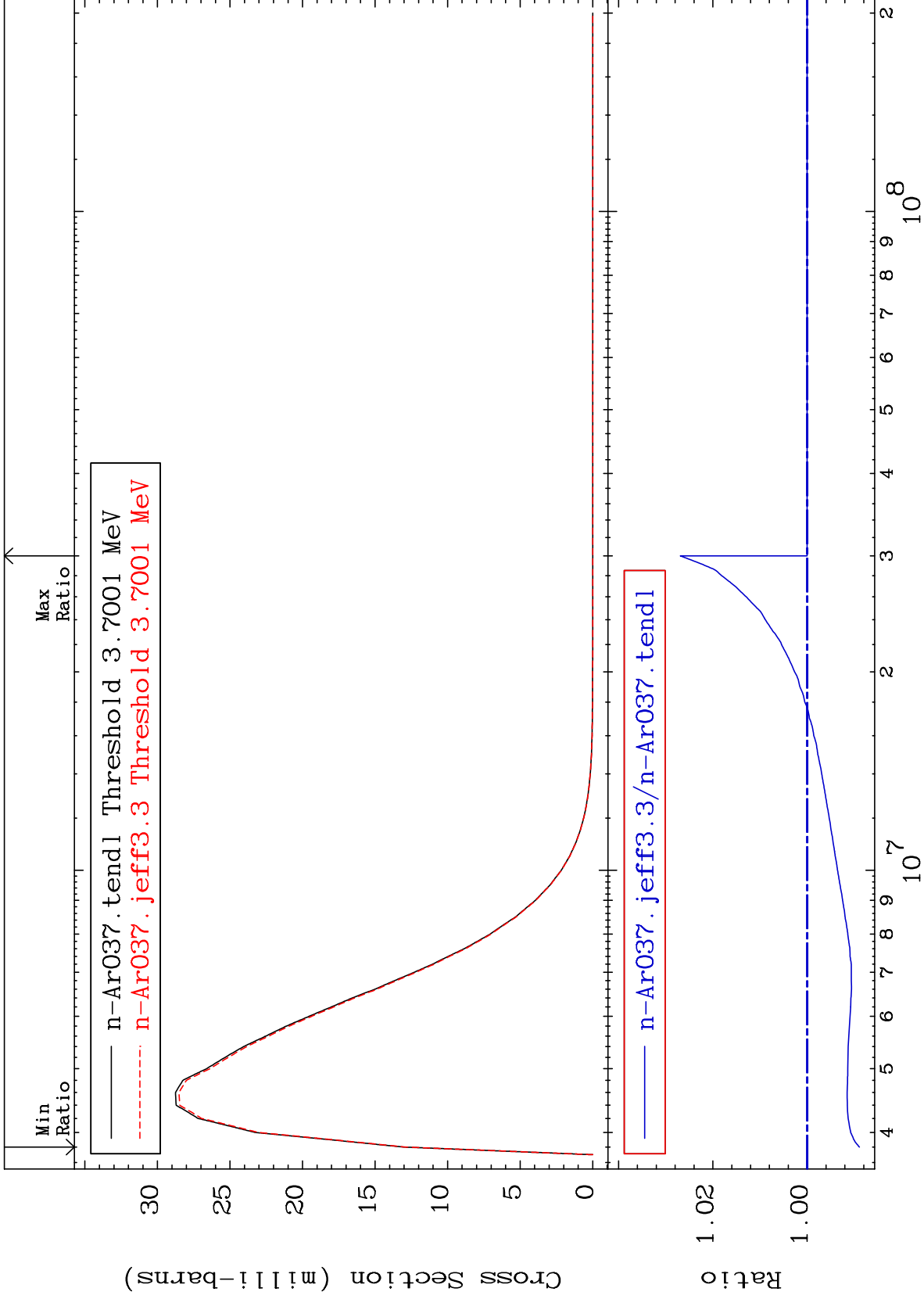
18-Ar-37
-0.778 To 0.035 %



27

18-Ar-37

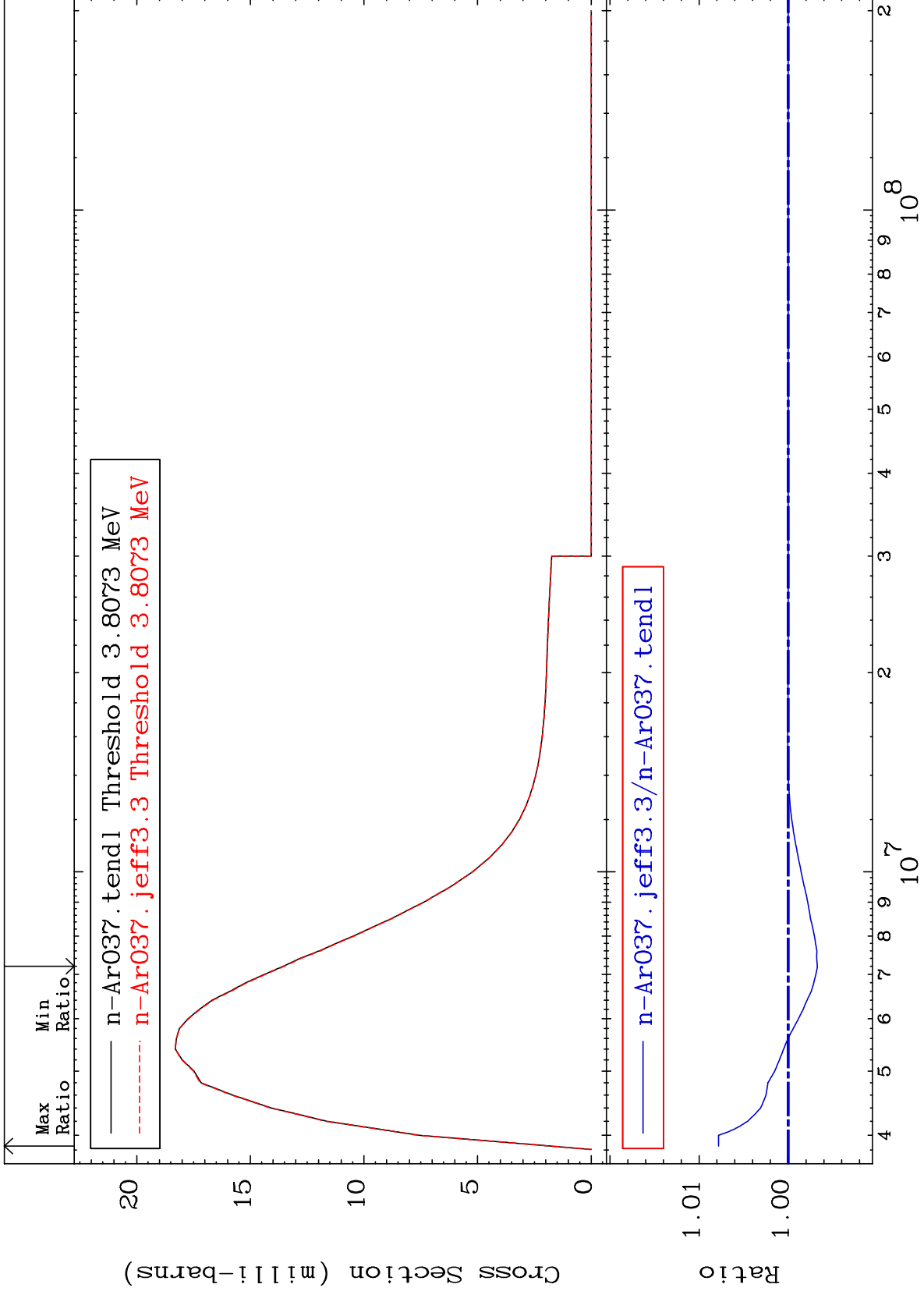
18-Ar-37



MAT 1828

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

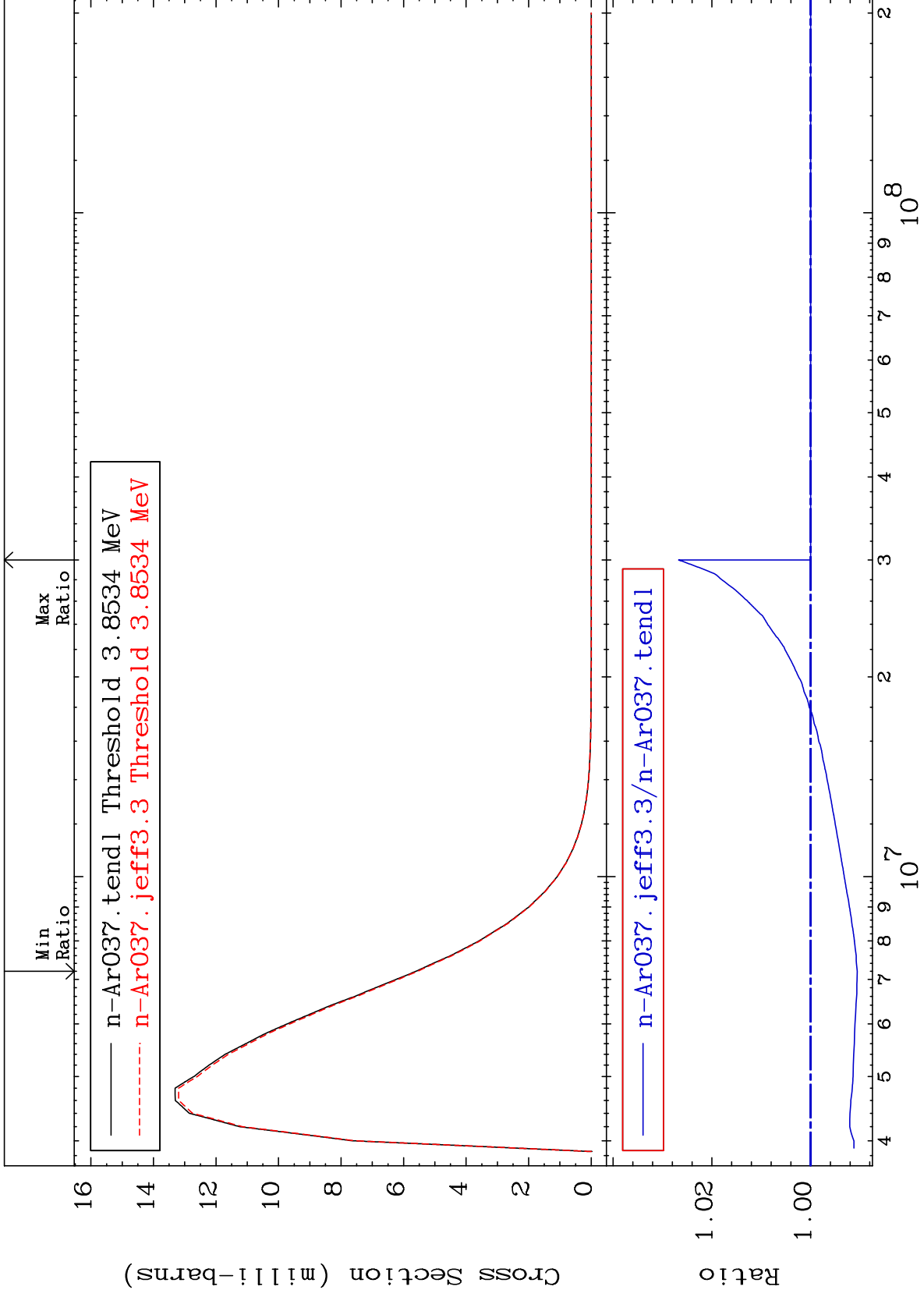
18-Ar-37
-0.328 To 0.783 %



MAT 1828

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

18-Ar-37
-0.945 To 2.673 %



30

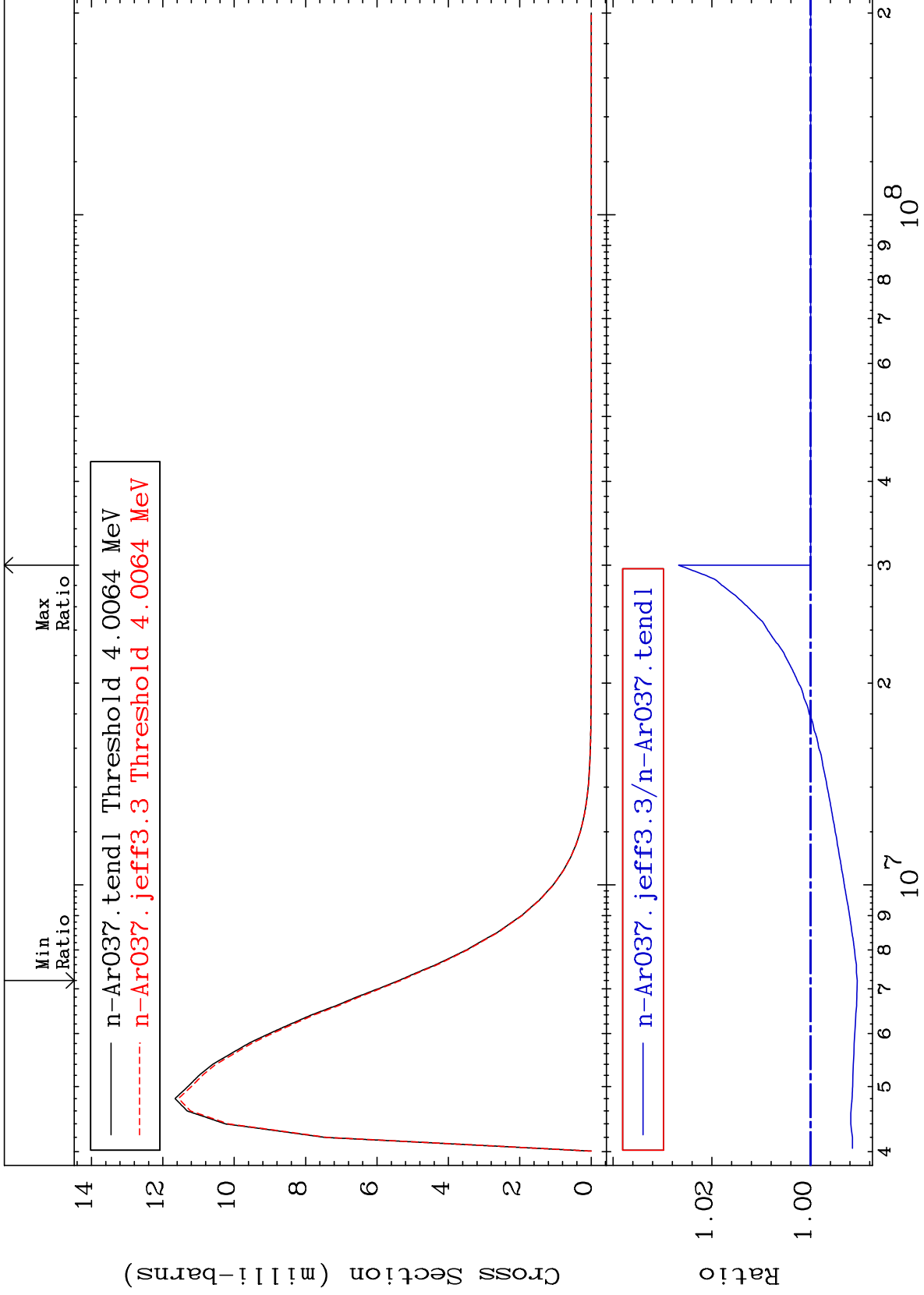
Incident Energy (eV)

18-Ar-37

MAT 1828

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

18-Ar-37
-0.946 To 2.673 %



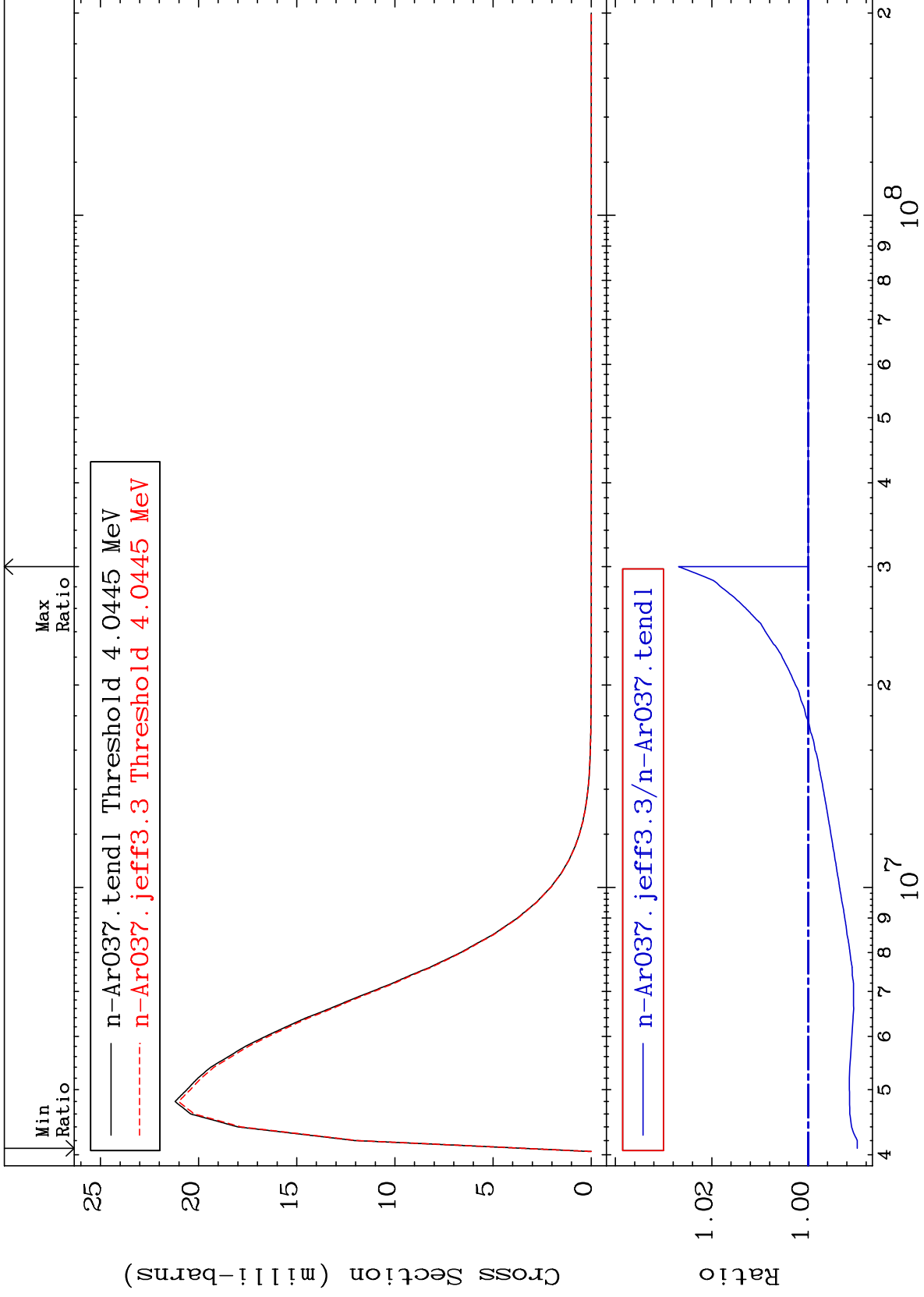
31

18-Ar-37

MAT 1828

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

18-Ar-37
-1.016 To 2.688 %



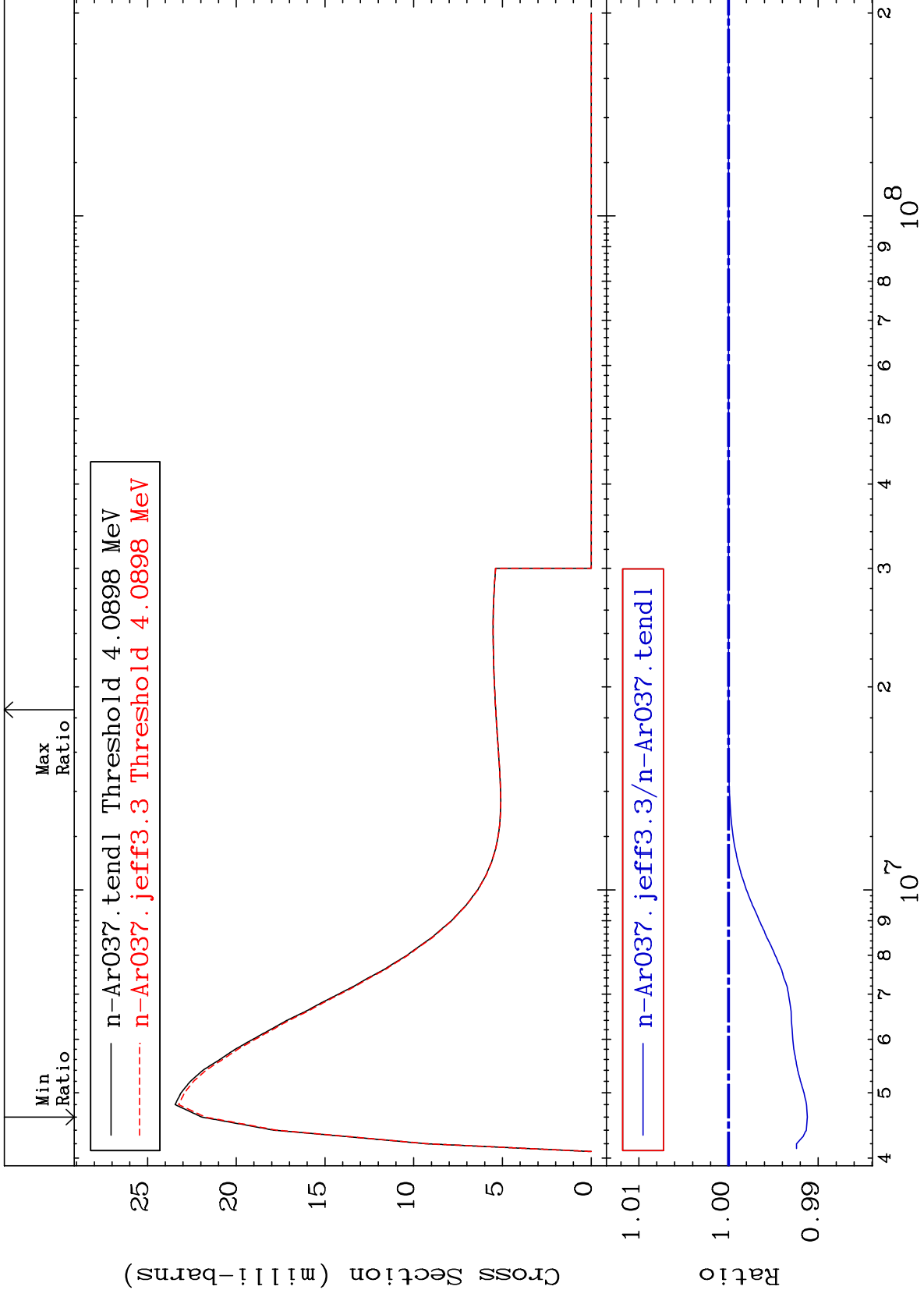
32

18-Ar-37

MAT 1828

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

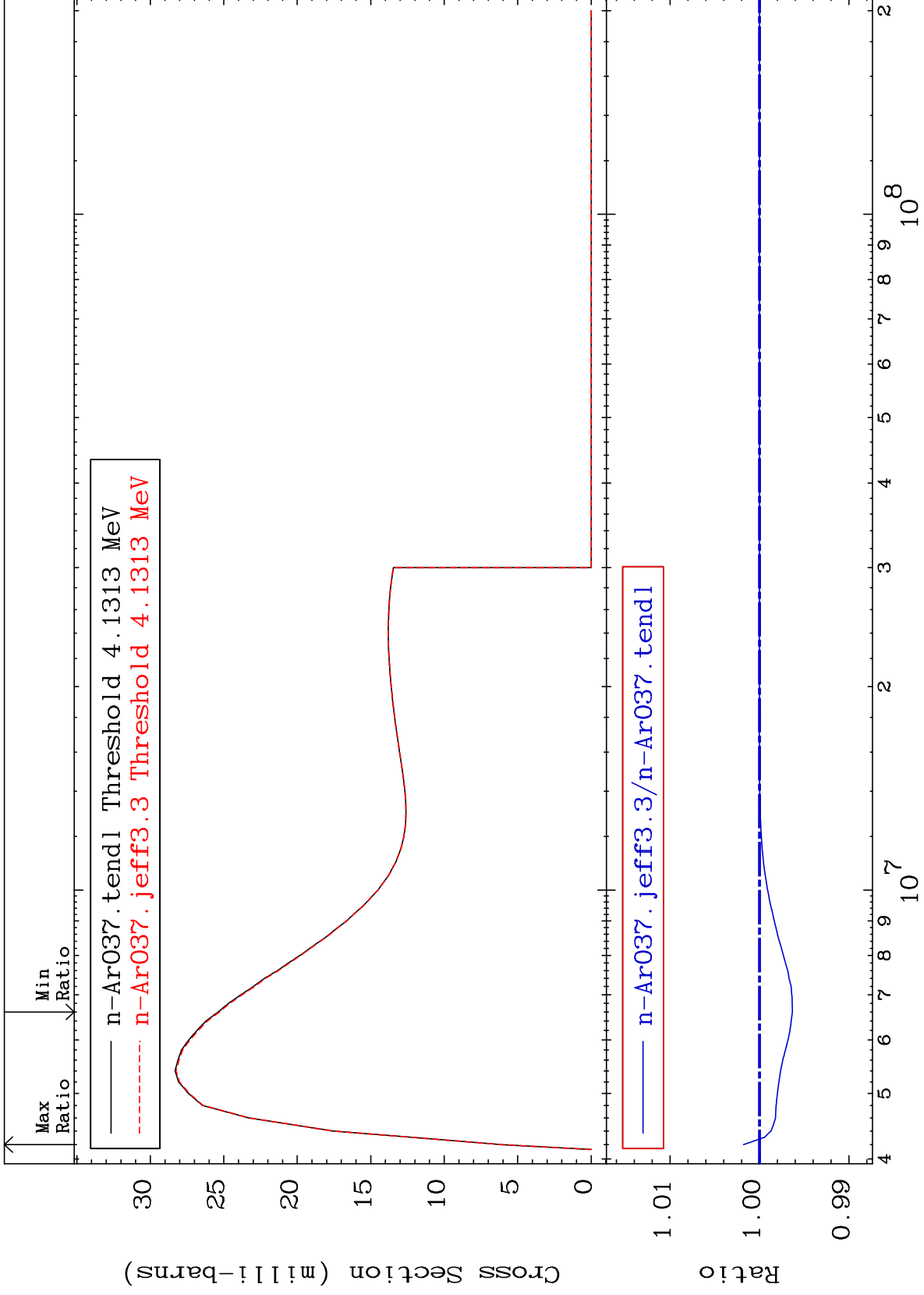
18-Ar-37
-0.879 To 0.000 %



MAT 1828

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

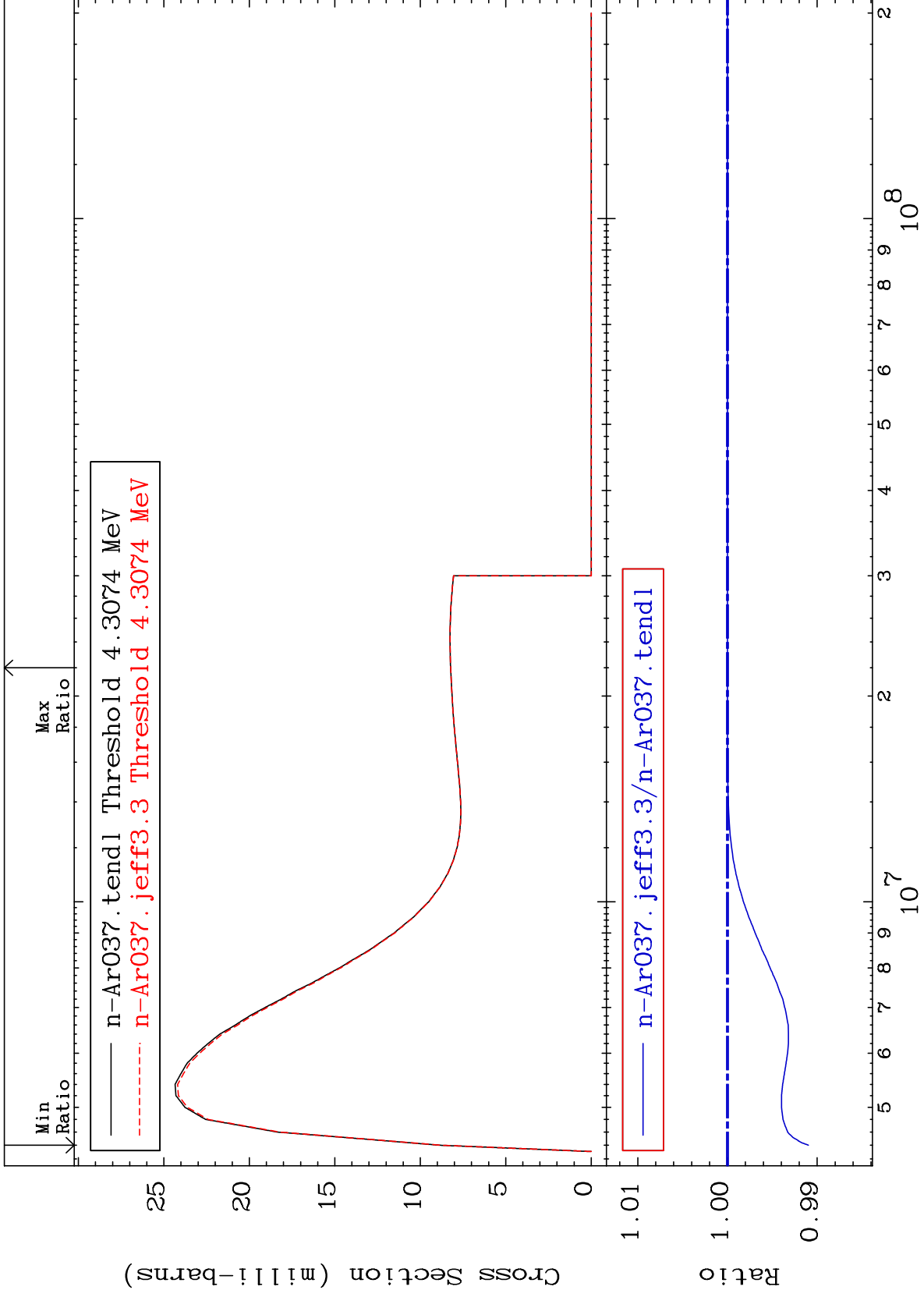
18-Ar-37
-0.368 To 0.178 %



MAT 1828

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

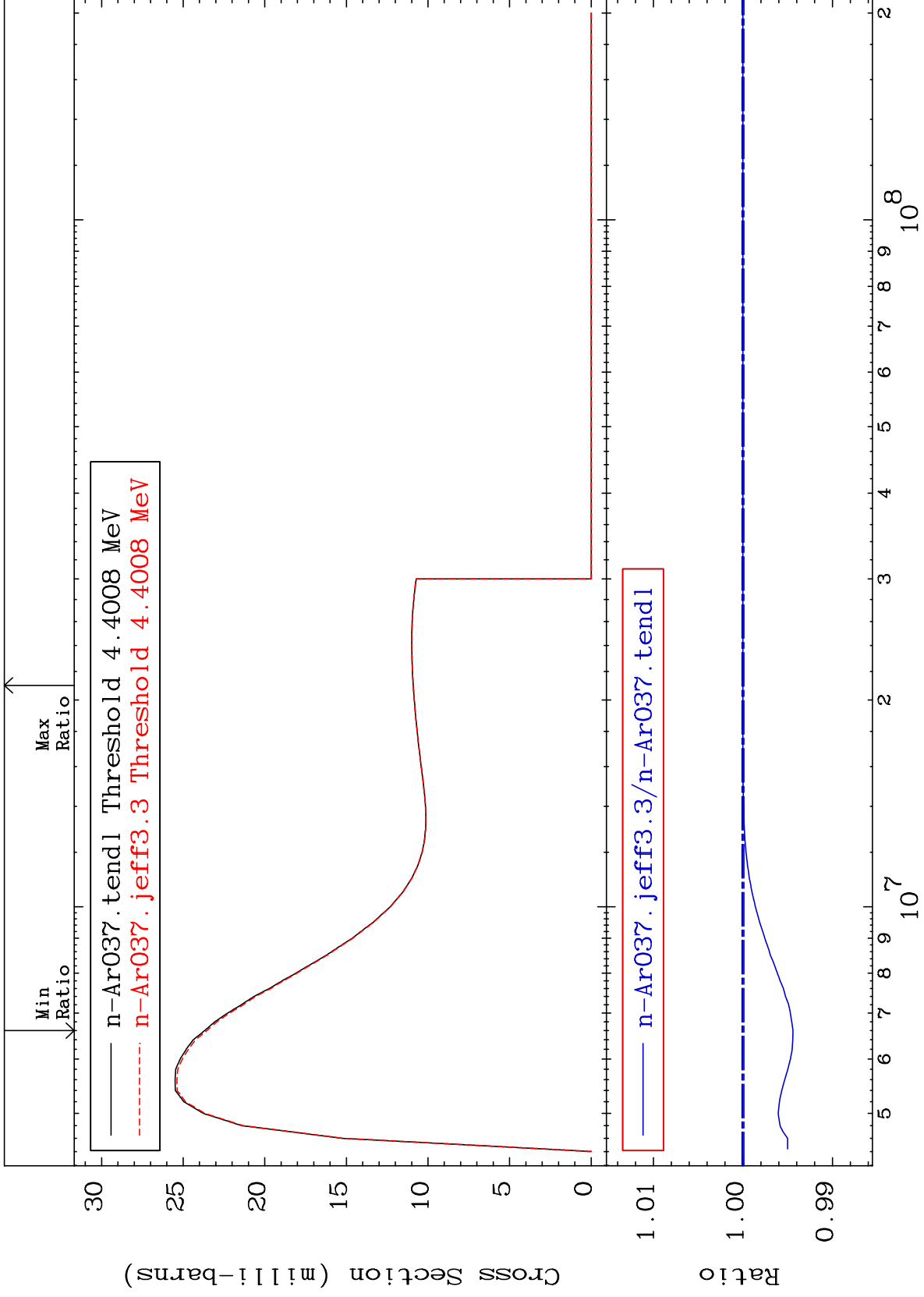
18-Ar-37
-0.902 To 0.000 %



MAT 1828

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

18-Ar-37
-0.559 To 0.000 %



36

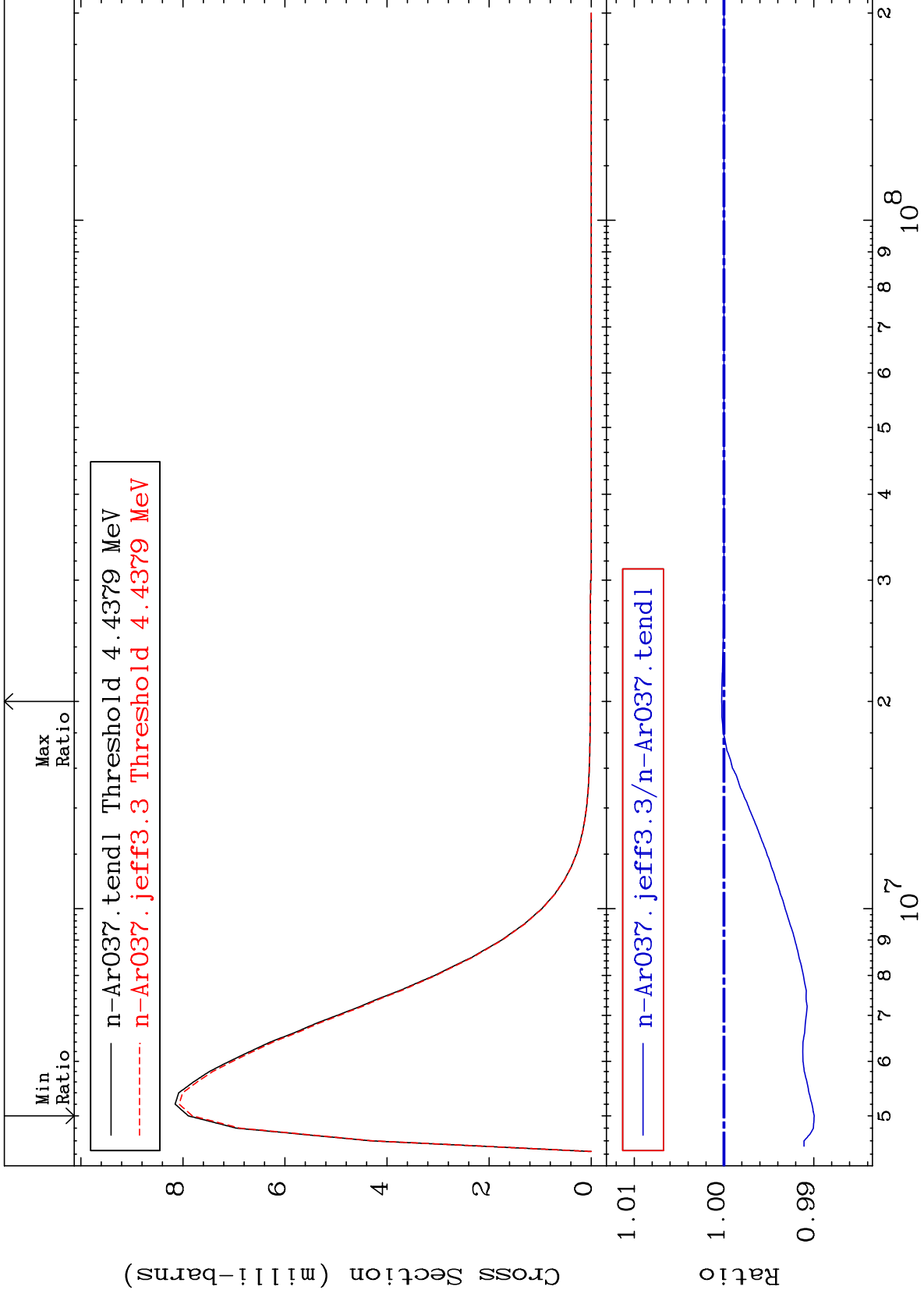
18-Ar-37

18-Ar-37

MAT 1828

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

18-Ar-37
-1.005 To 0.025 %



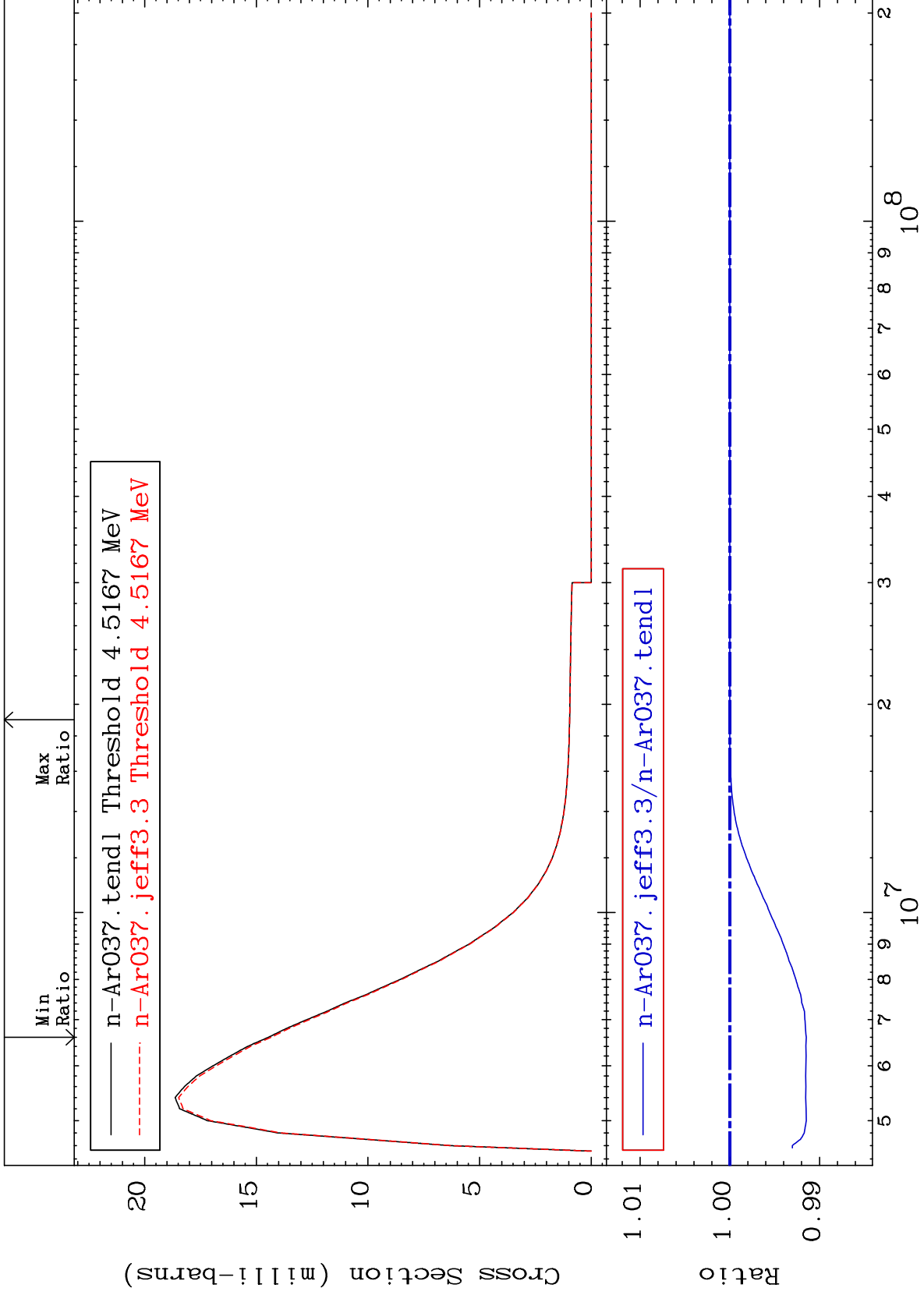
37

18-Ar-37

MAT 1828

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

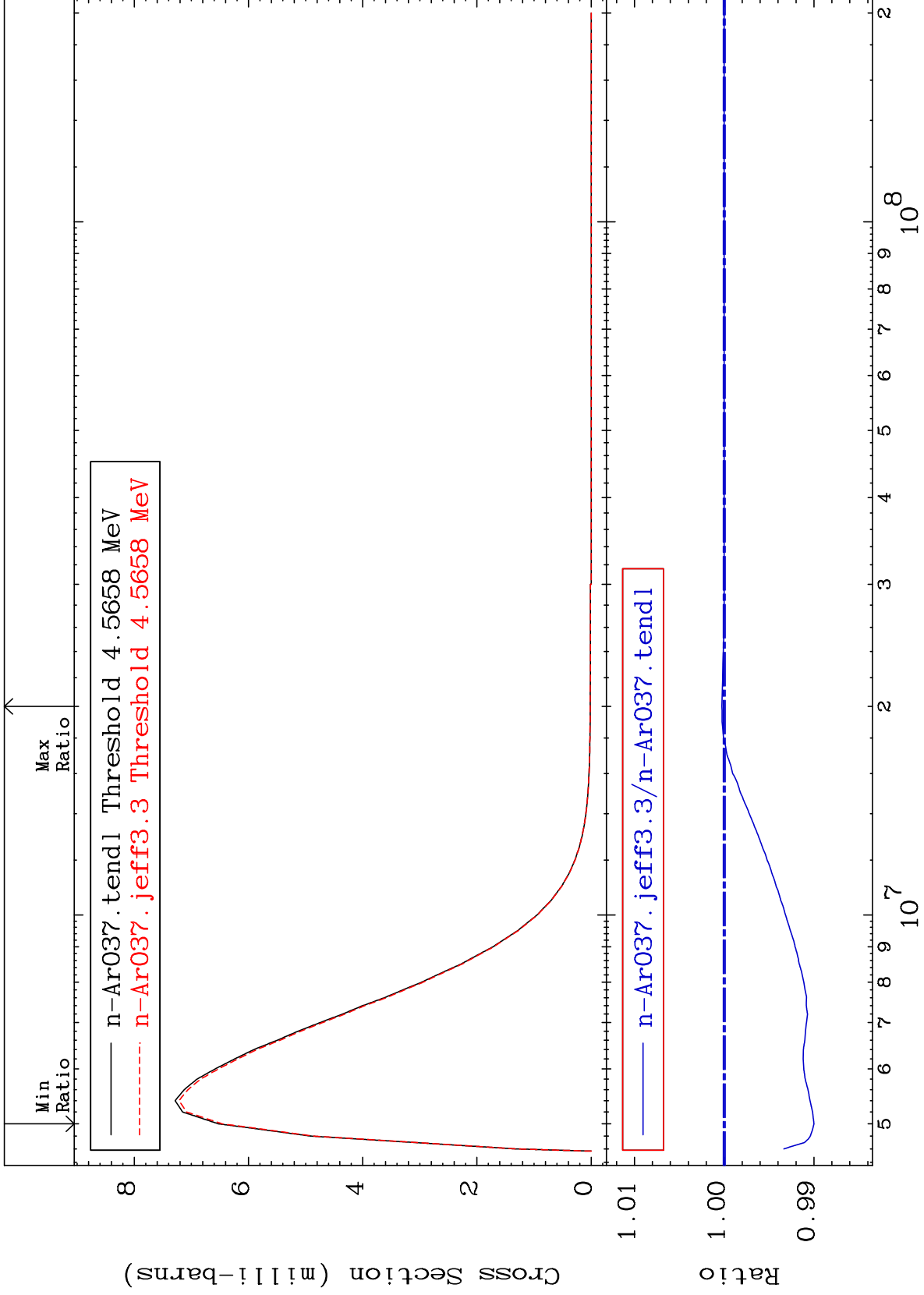
18-Ar-37
-0.851 To 0.002 %



MAT 1828

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

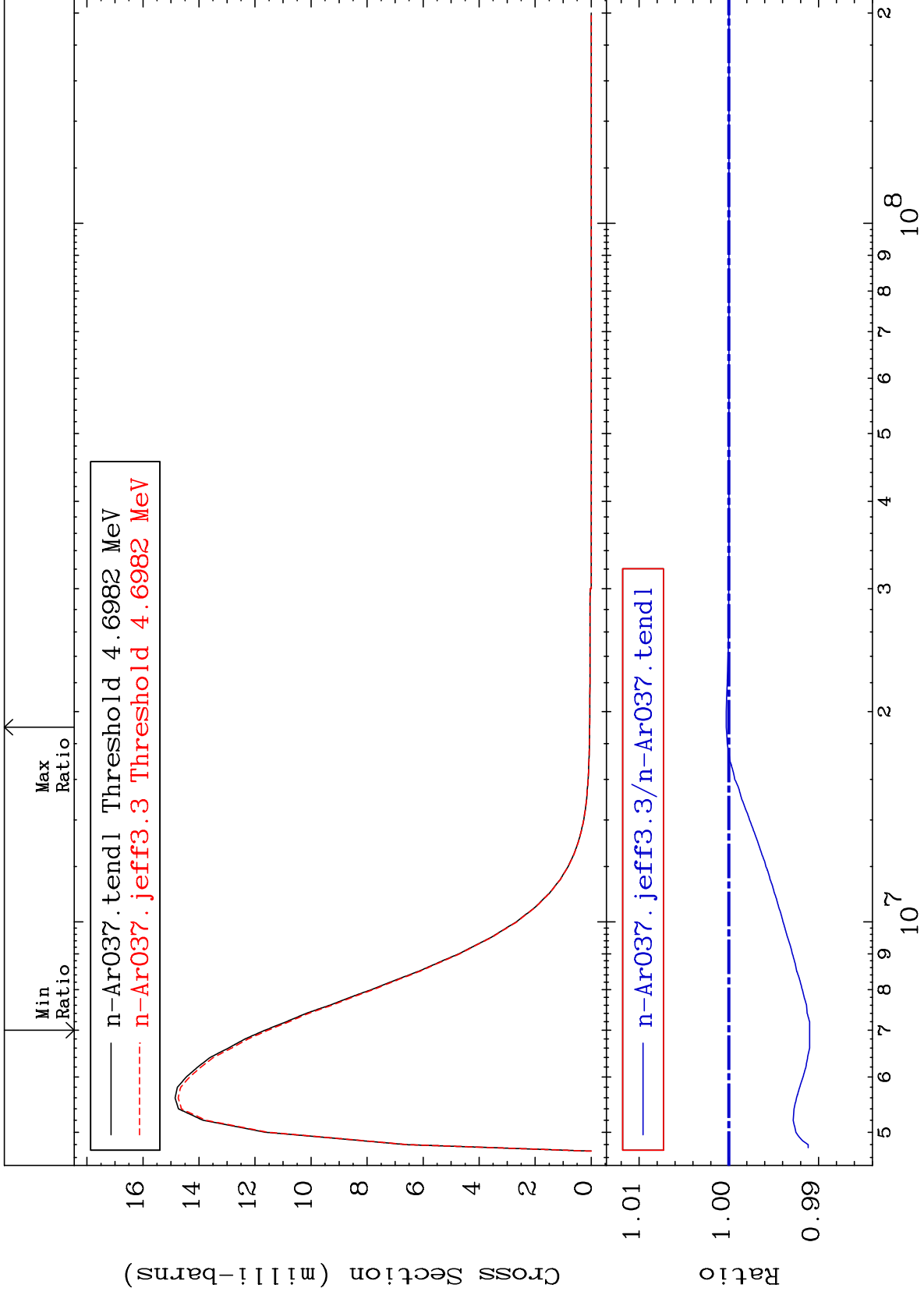
18-Ar-37
-1.000 To 0.025 %



MAT 1828

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

18-Ar-37
-0.901 To 0.029 %



40

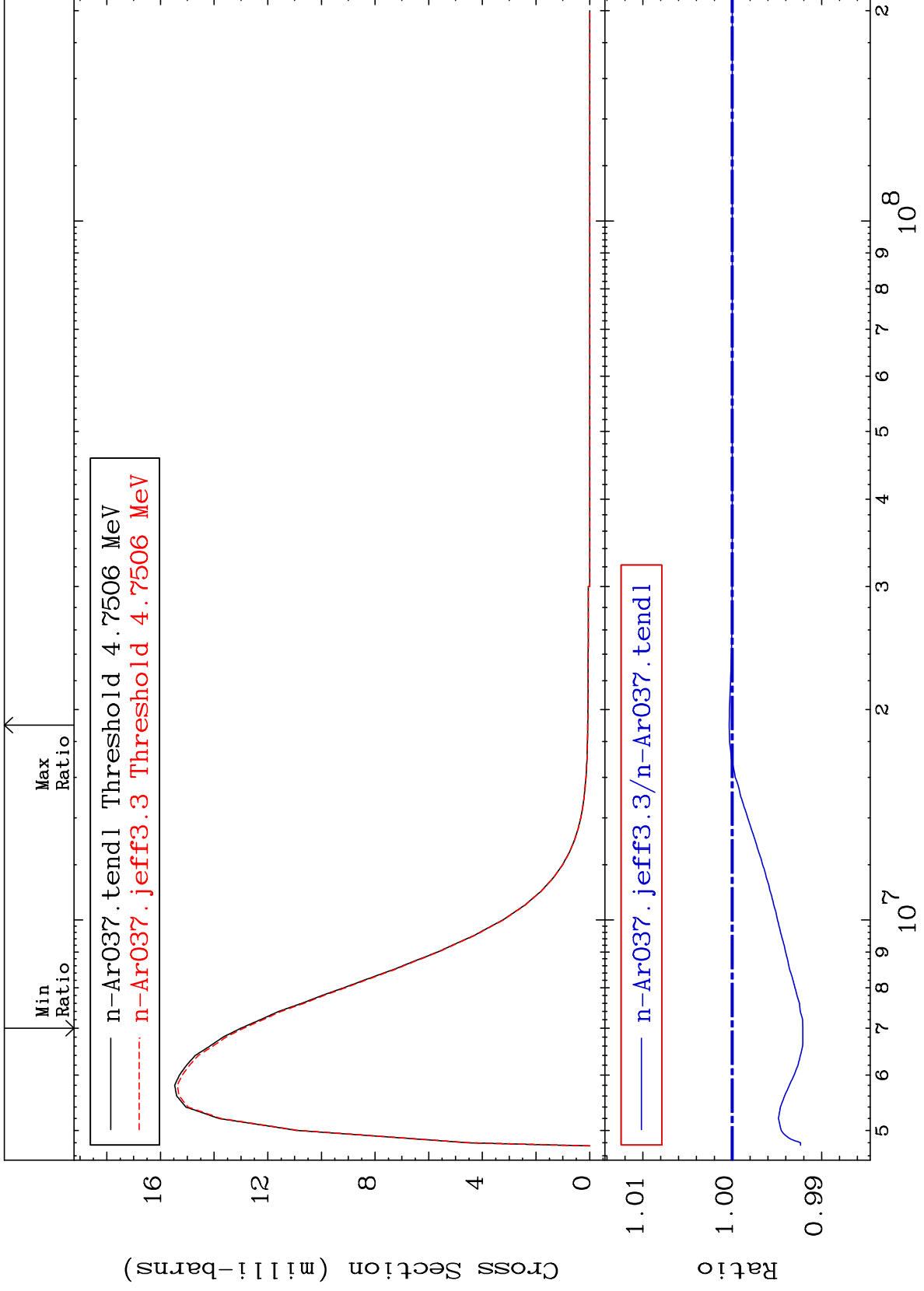
18-Ar-37

18-Ar-37

MAT 1828

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

18-Ar-37
-0.790 To 0.035 %



41

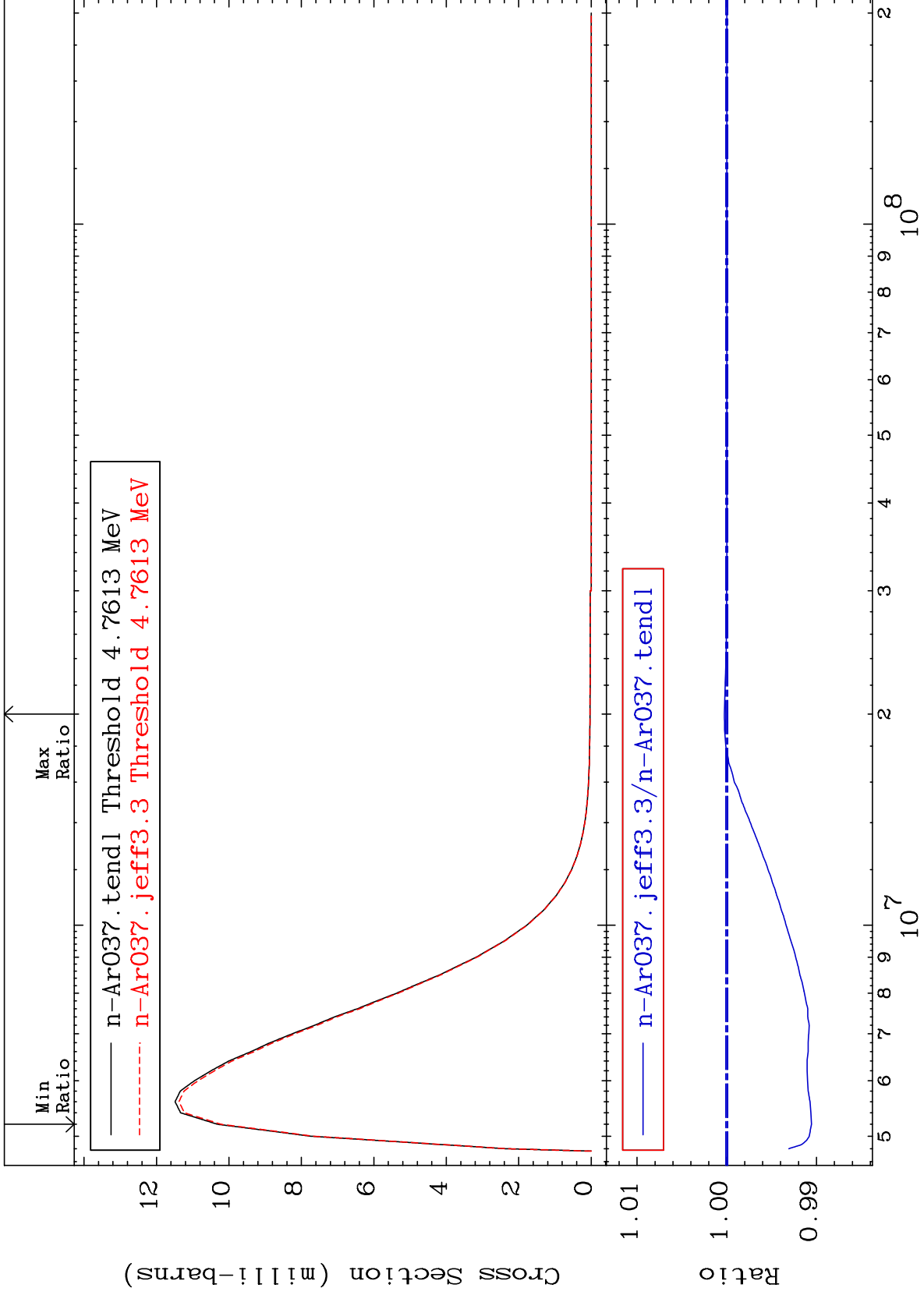
Incident Energy (eV)

18-Ar-37

MAT 1828

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

18-Ar-37
-0.944 To 0.026 %



42

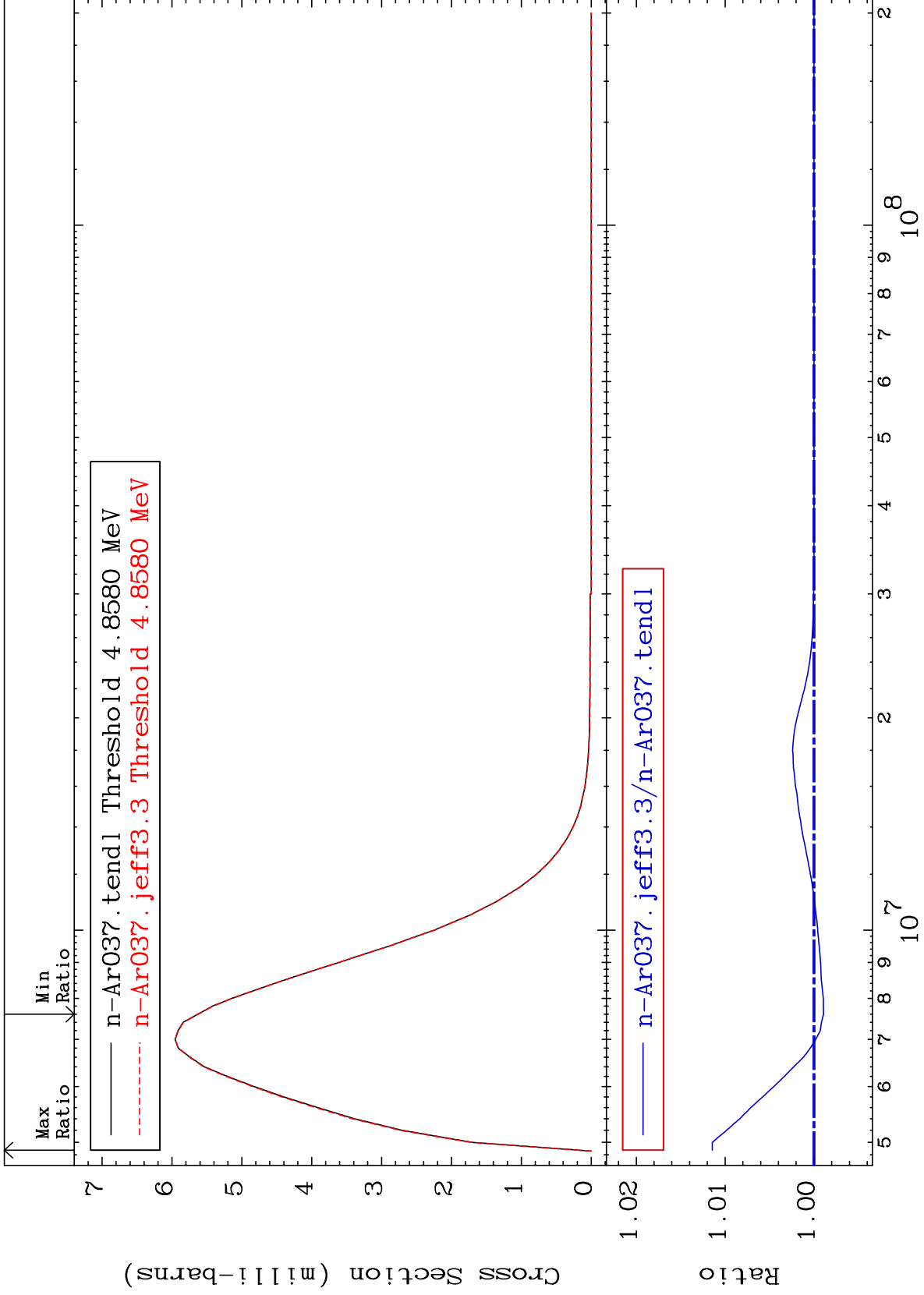
18-Ar-37

18-Ar-37

MAT 1828

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

18-Ar-37
-0.108 To 1.144 %



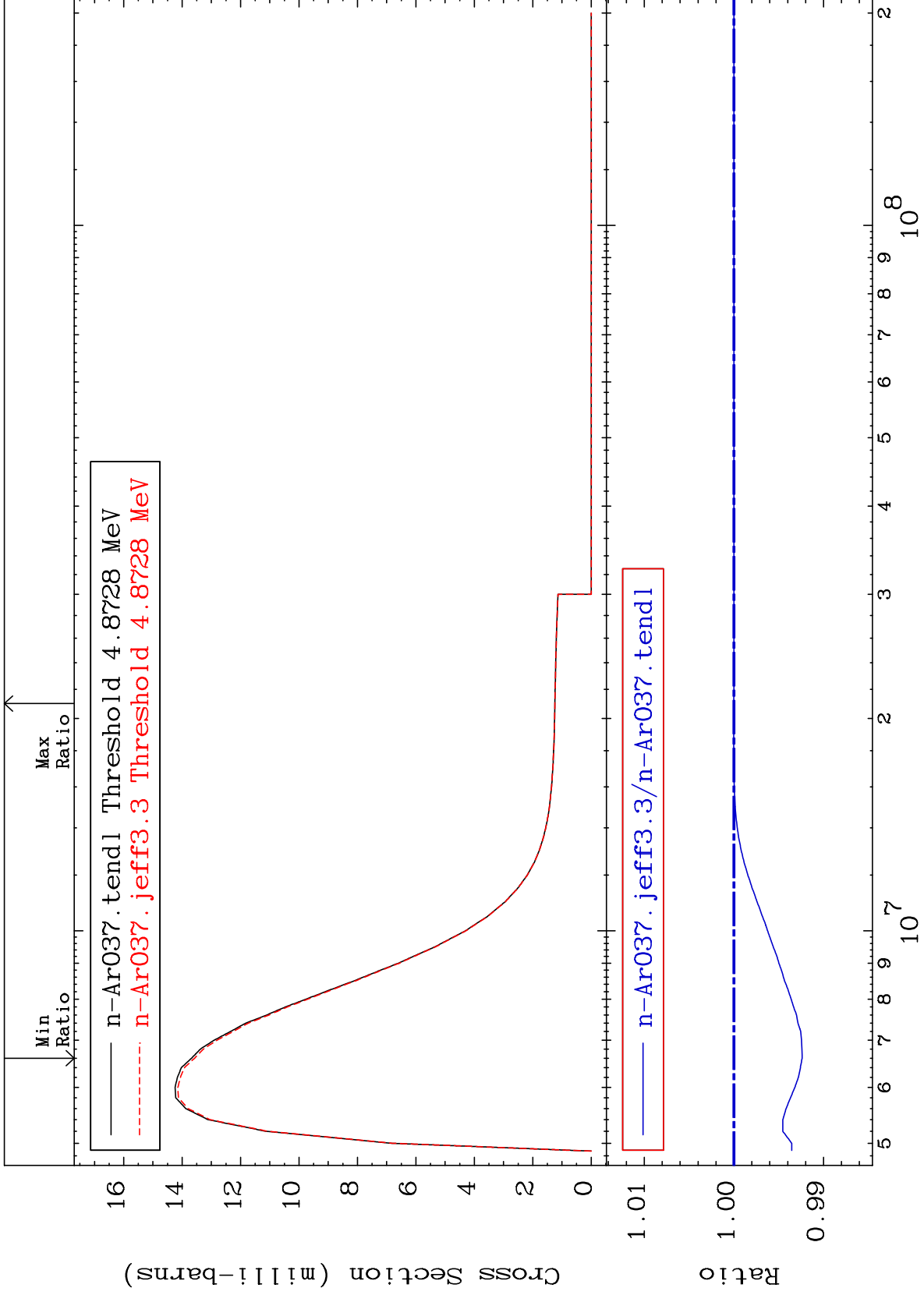
43

18-Ar-37

MAT 1828

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

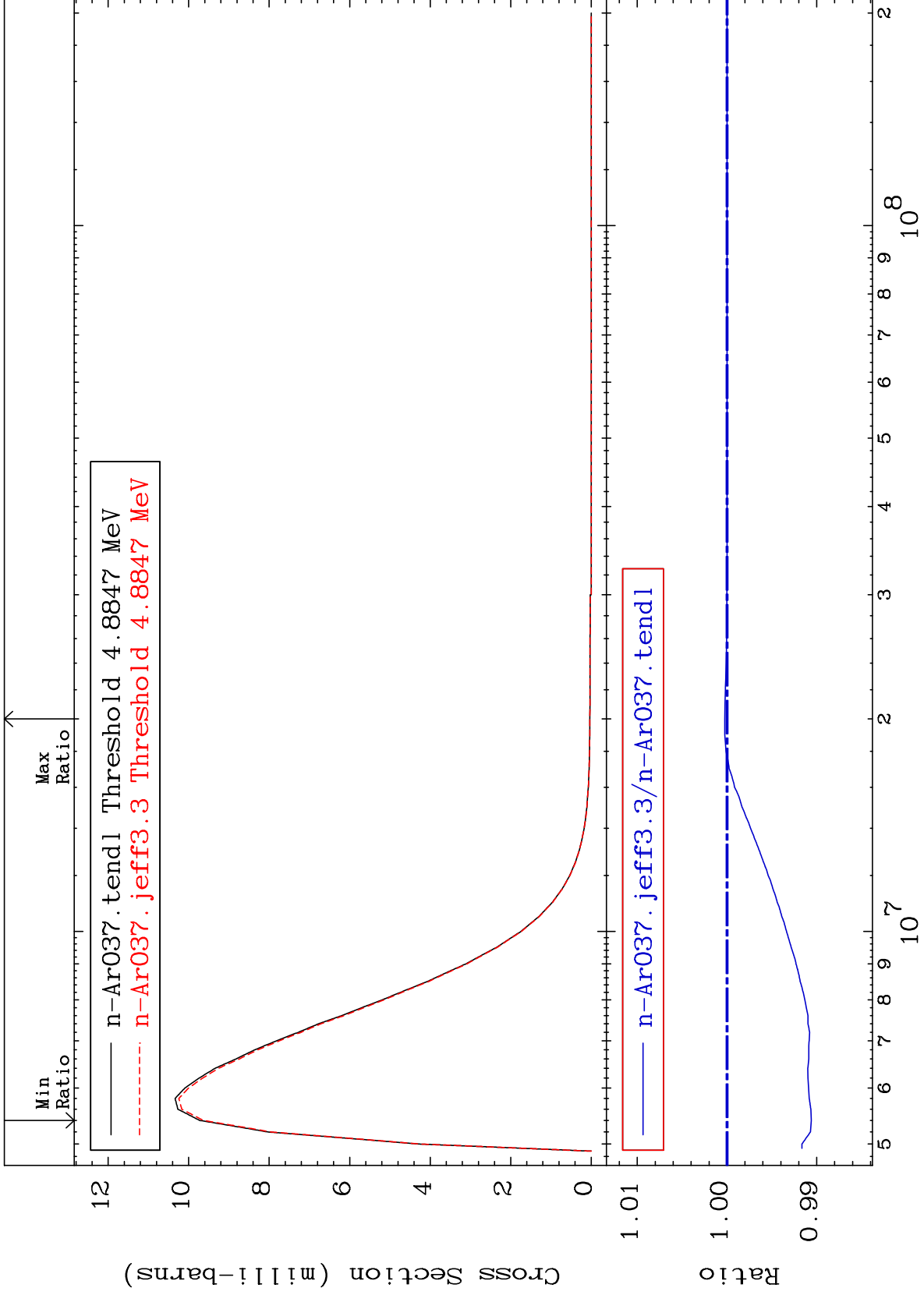
18-Ar-37
-0.761 To 0.002 %



MAT 1828

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

18-Ar-37
-0.938 To 0.026 %



45

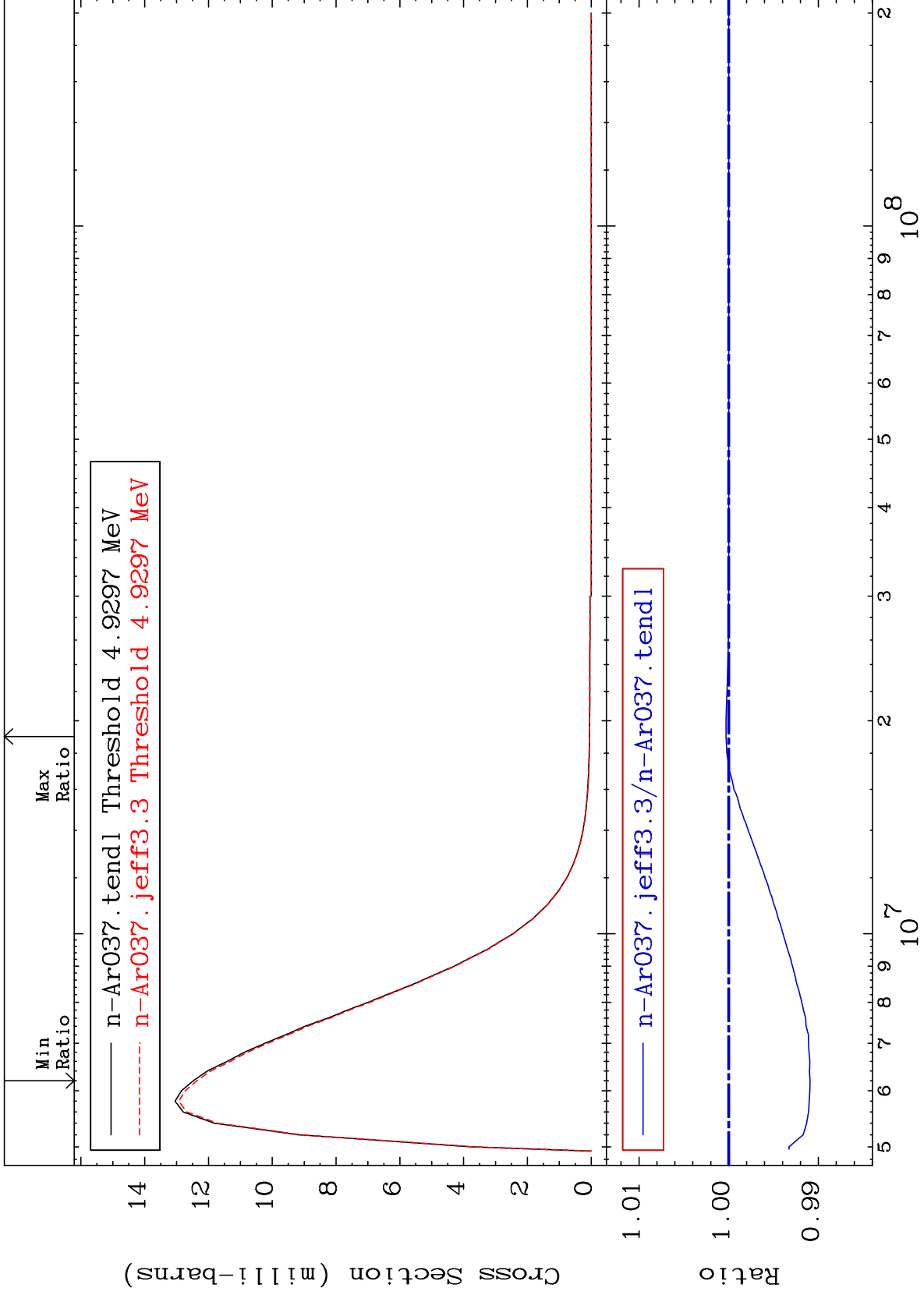
Incident Energy (eV)

18-Ar-37

MAT 1828

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

18-Ar-37
-0.906 To 0.031 %



46

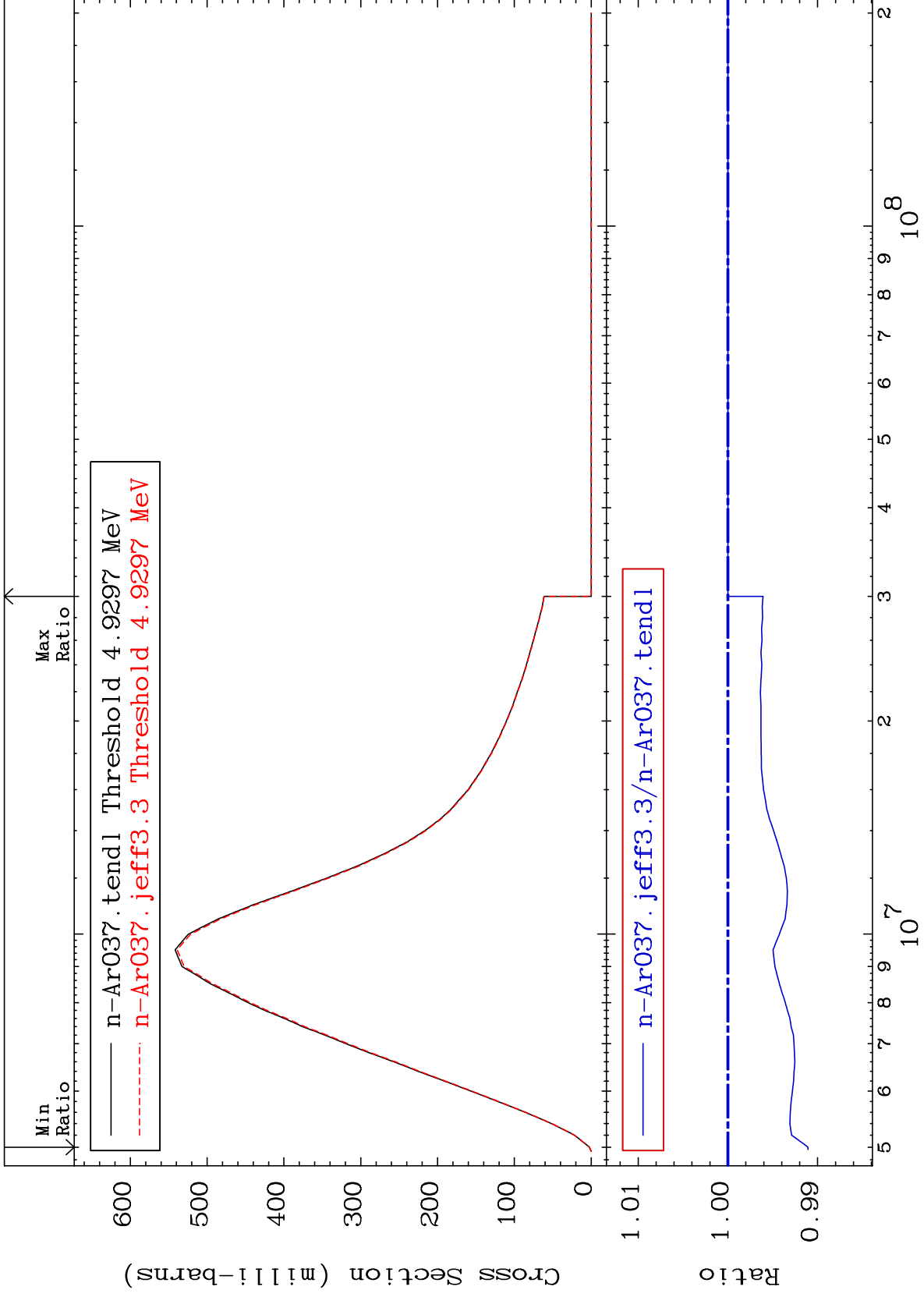
18-Ar-37

18-Ar-37

MAT 1828

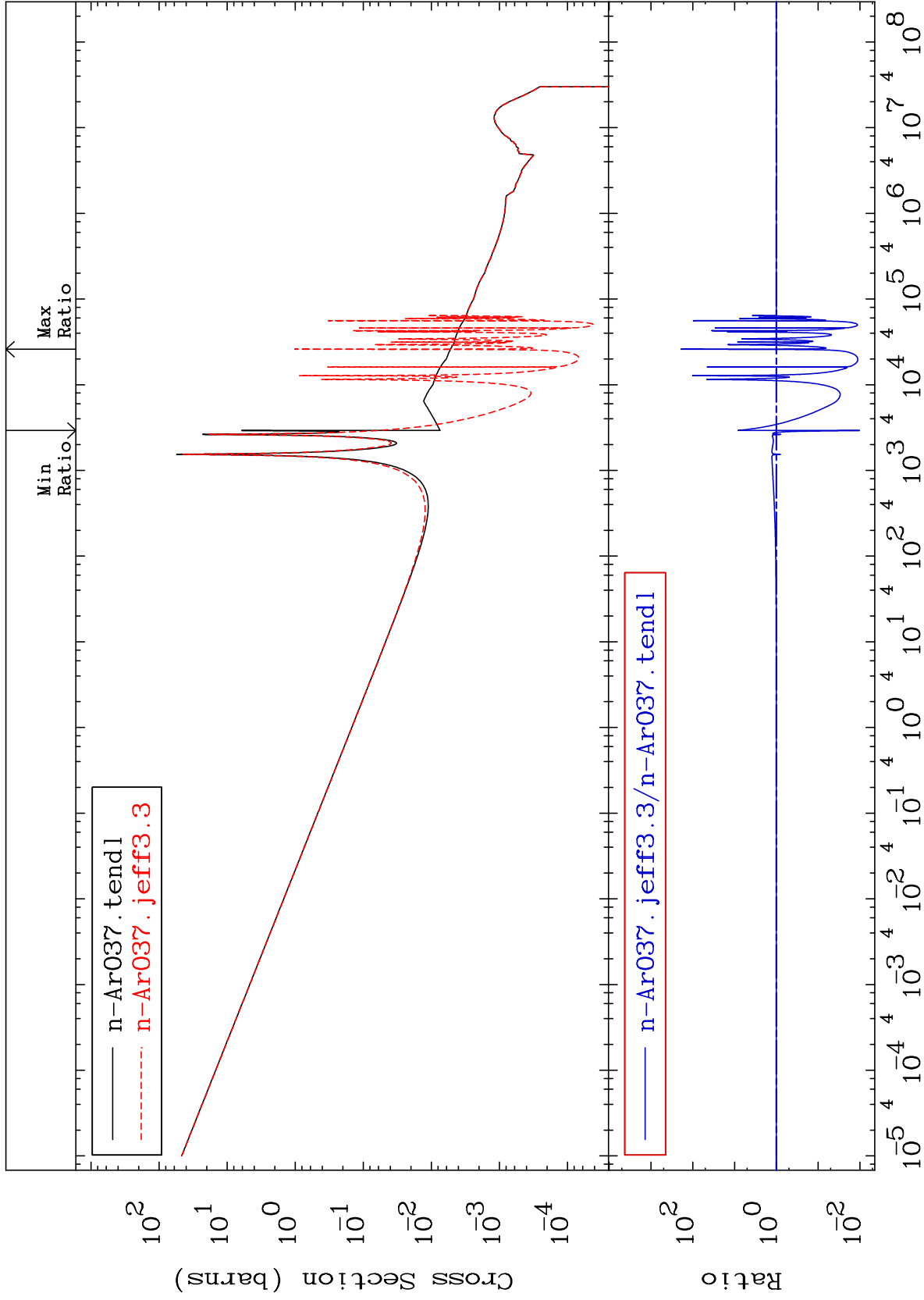
(n, n') Continuum
Cross Section

18-Ar-37
-0.893 To 0.000 %



Cross Section

-98.98 To 9999. %



Incident Energy (eV)

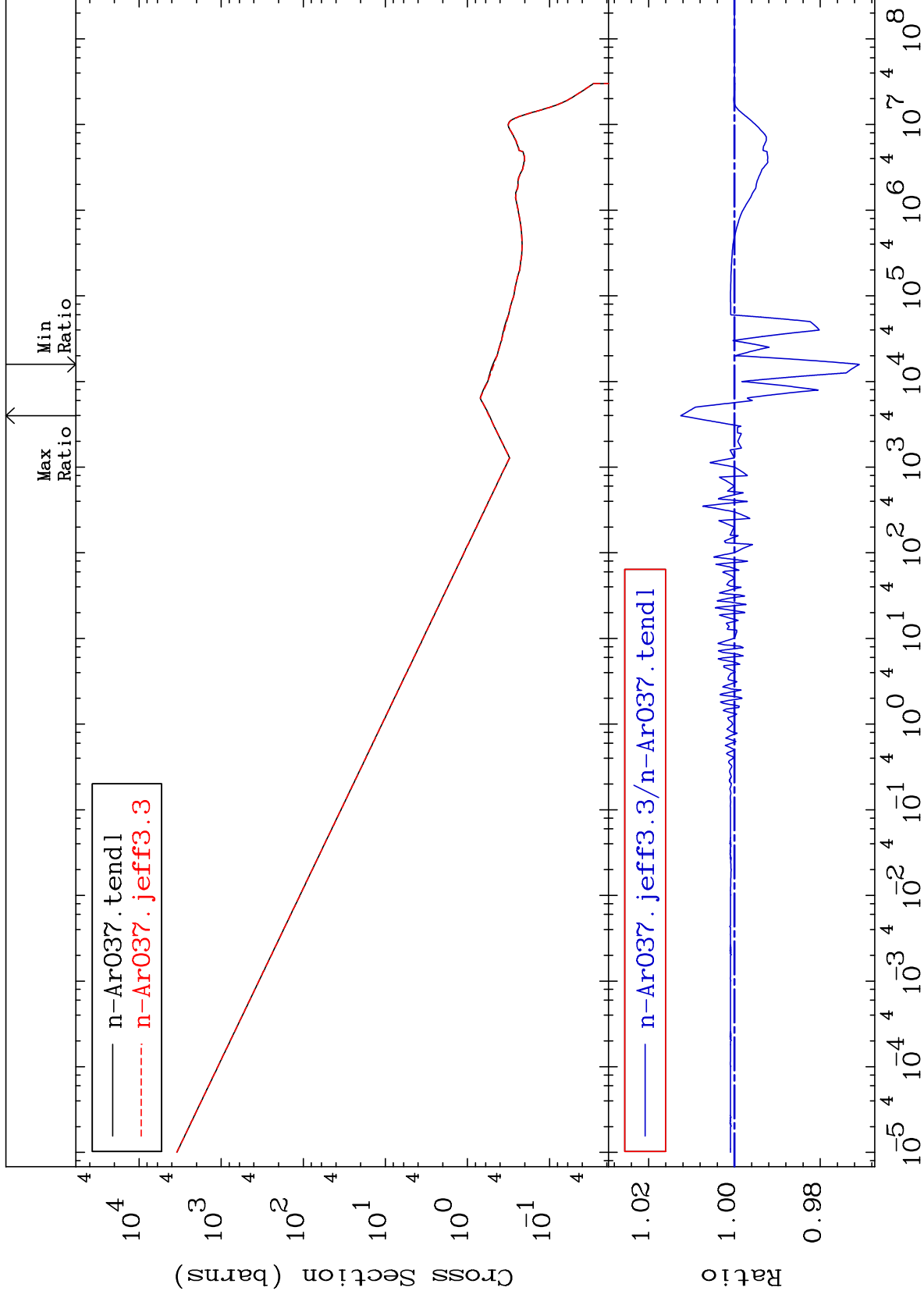
MAT 1828

(n,p)

18-Ar-37

Cross Section

-2.915 To 1.251 %



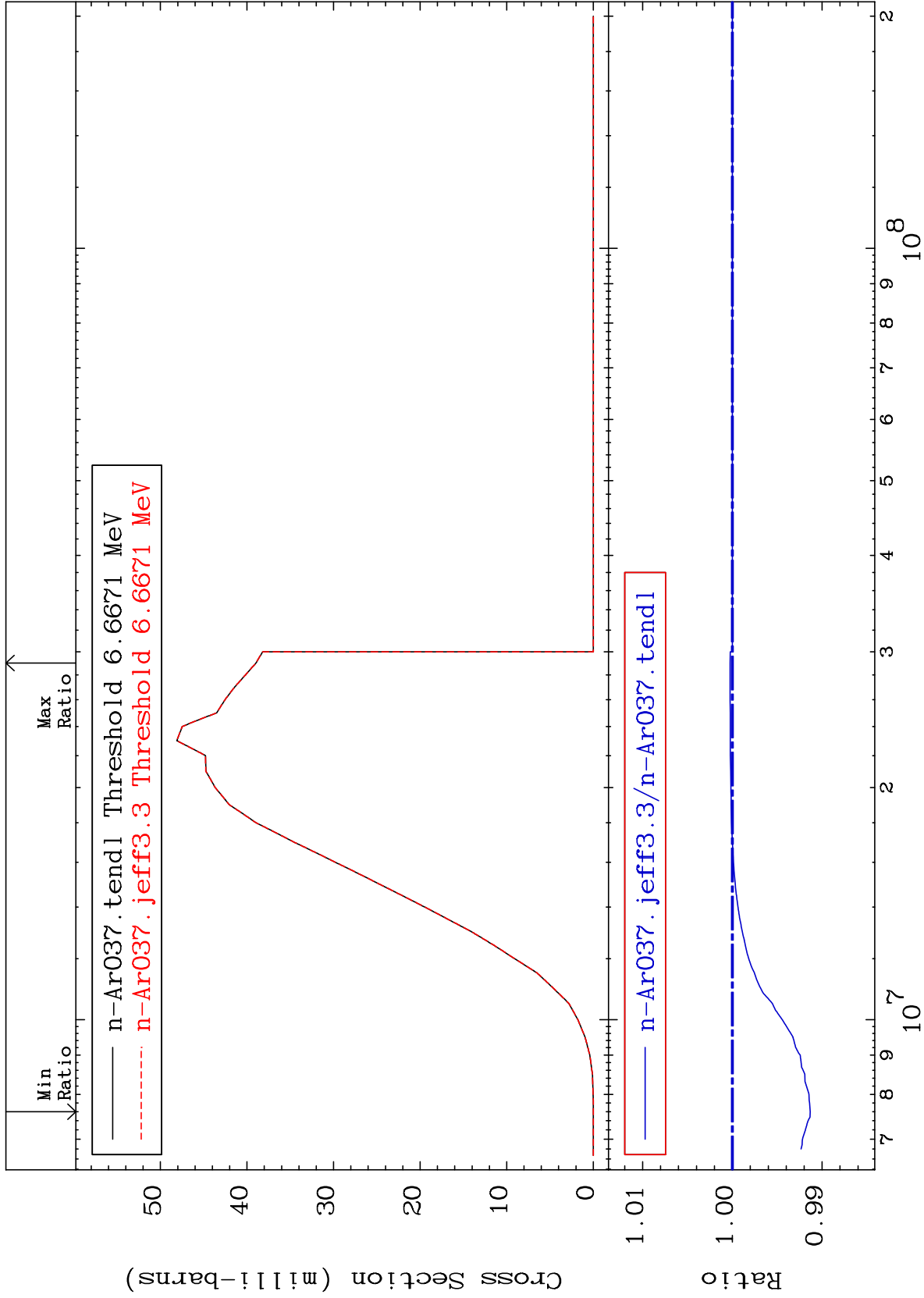
MAT 1828

(n, d)

18-Ar-37

Cross Section

-0.868 To 0.026 %



50

Incident Energy (eV)

18-Ar-37

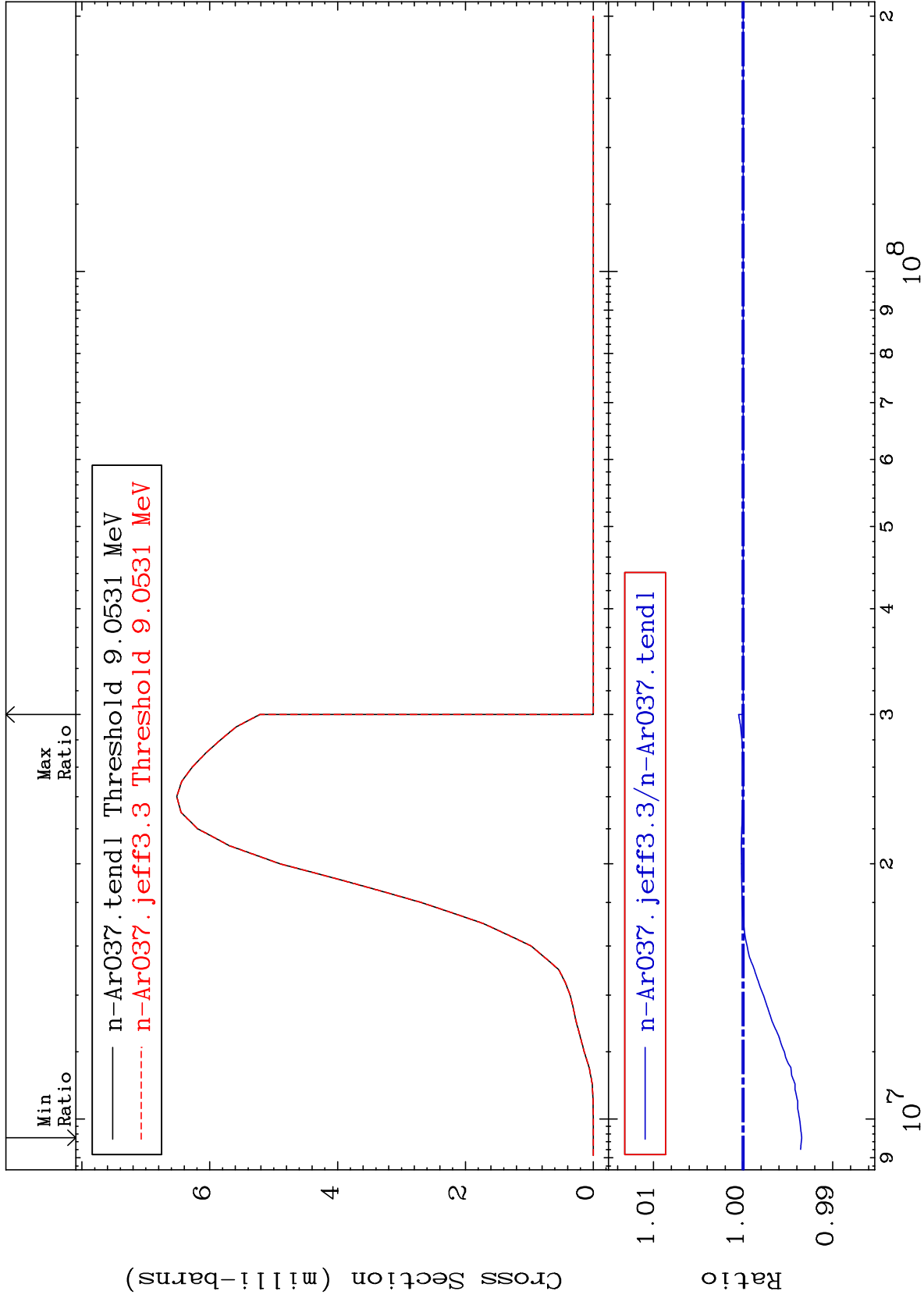
MAT 1828

(n, t)

18-Ar-37

Cross Section

-0.654 To 0.050 %



51

Incident Energy (eV)

18-Ar-37

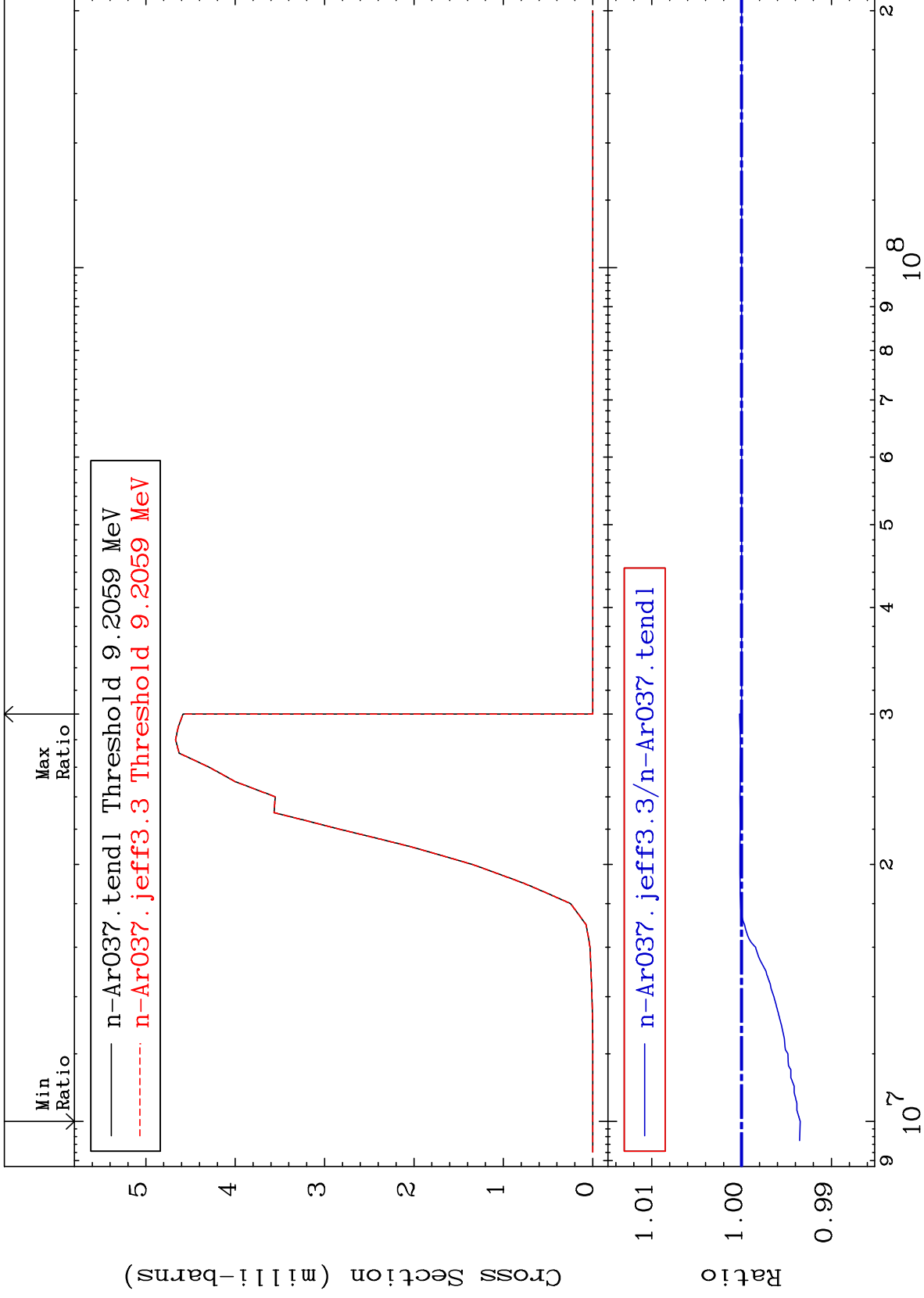
MAT 1828

(n, He-3)

18-Ar-37

Cross Section

-0.653 To 0.022 %



52

18-Ar-37

18-Ar-37

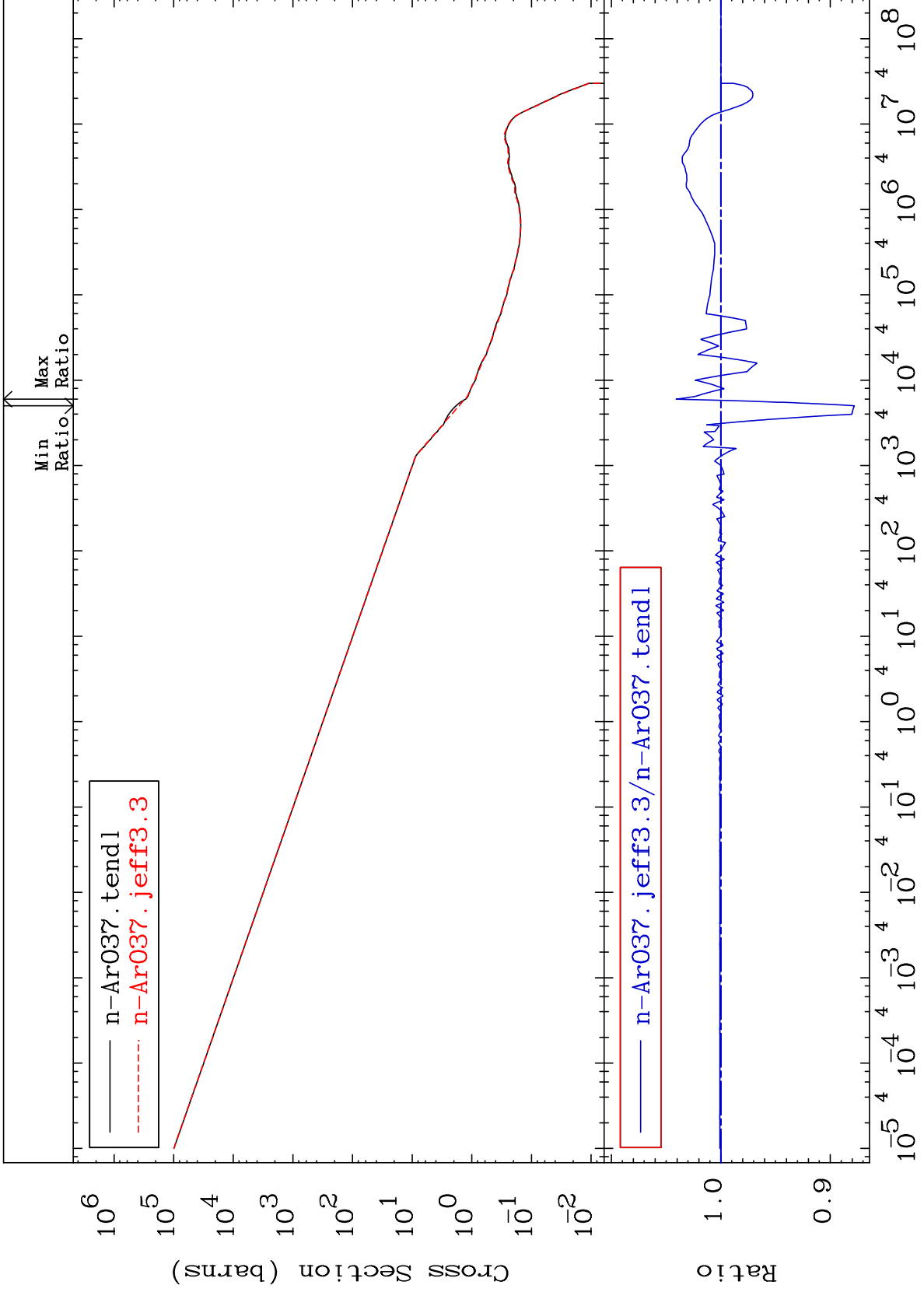
MAT 1828

(n, α)

18-Ar-37

Cross Section

-12.20 To 4.085 %



53

Incident Energy (eV)

18-Ar-37

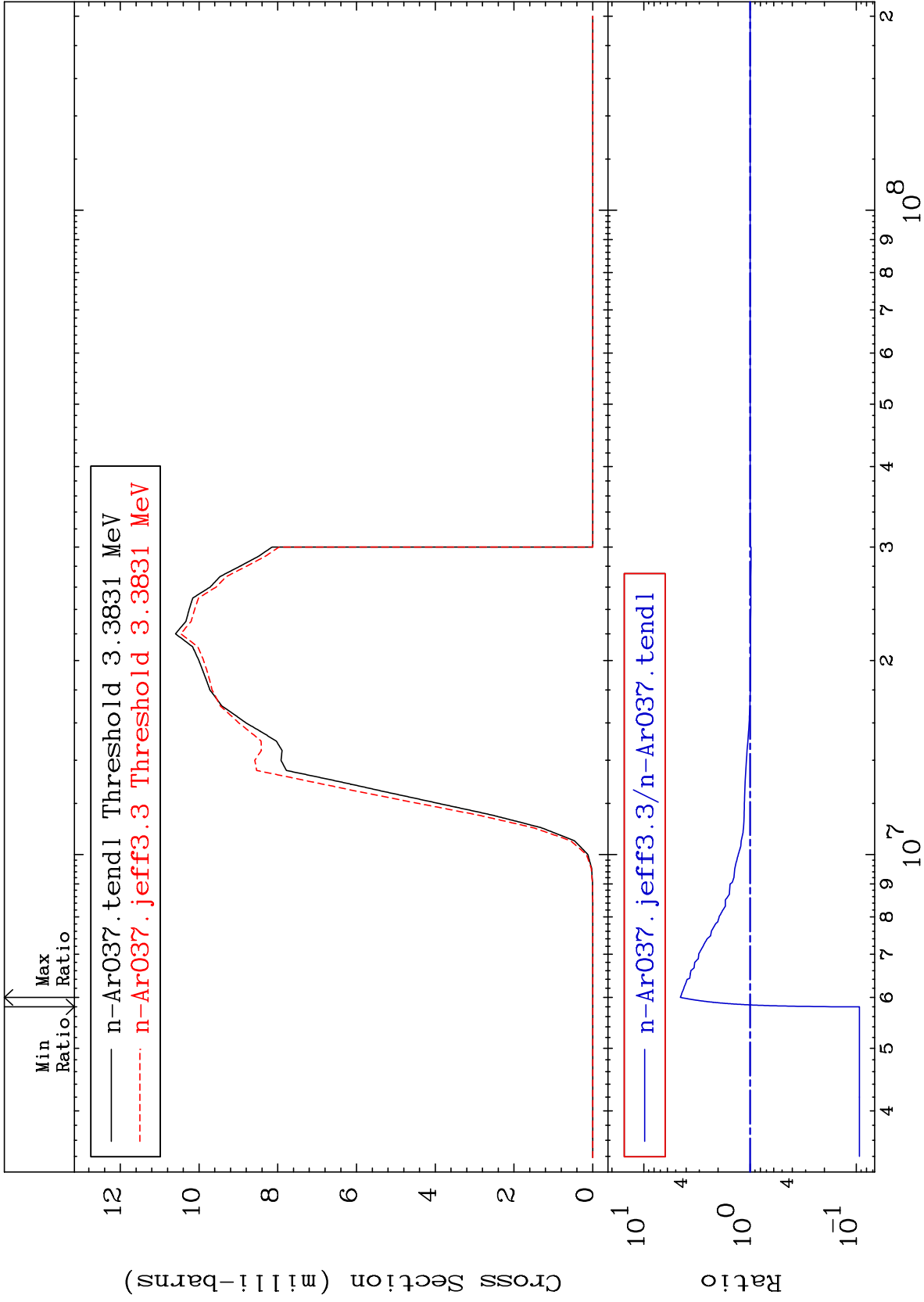
MAT 1828

(n,2α)

18-Ar-37

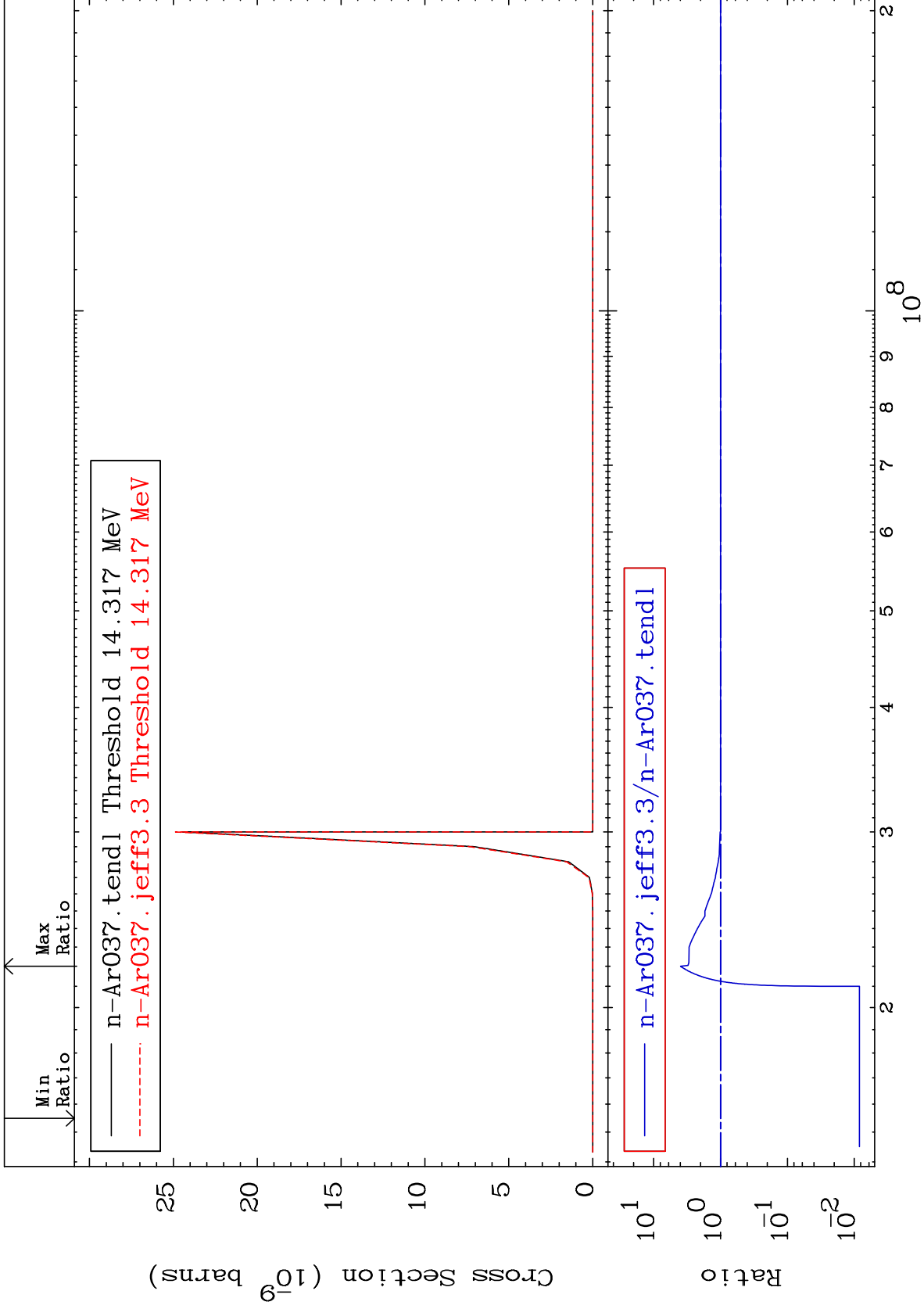
Cross Section

-90.66 To 353.0 %



Cross Section

-99.16 To 299.4 %



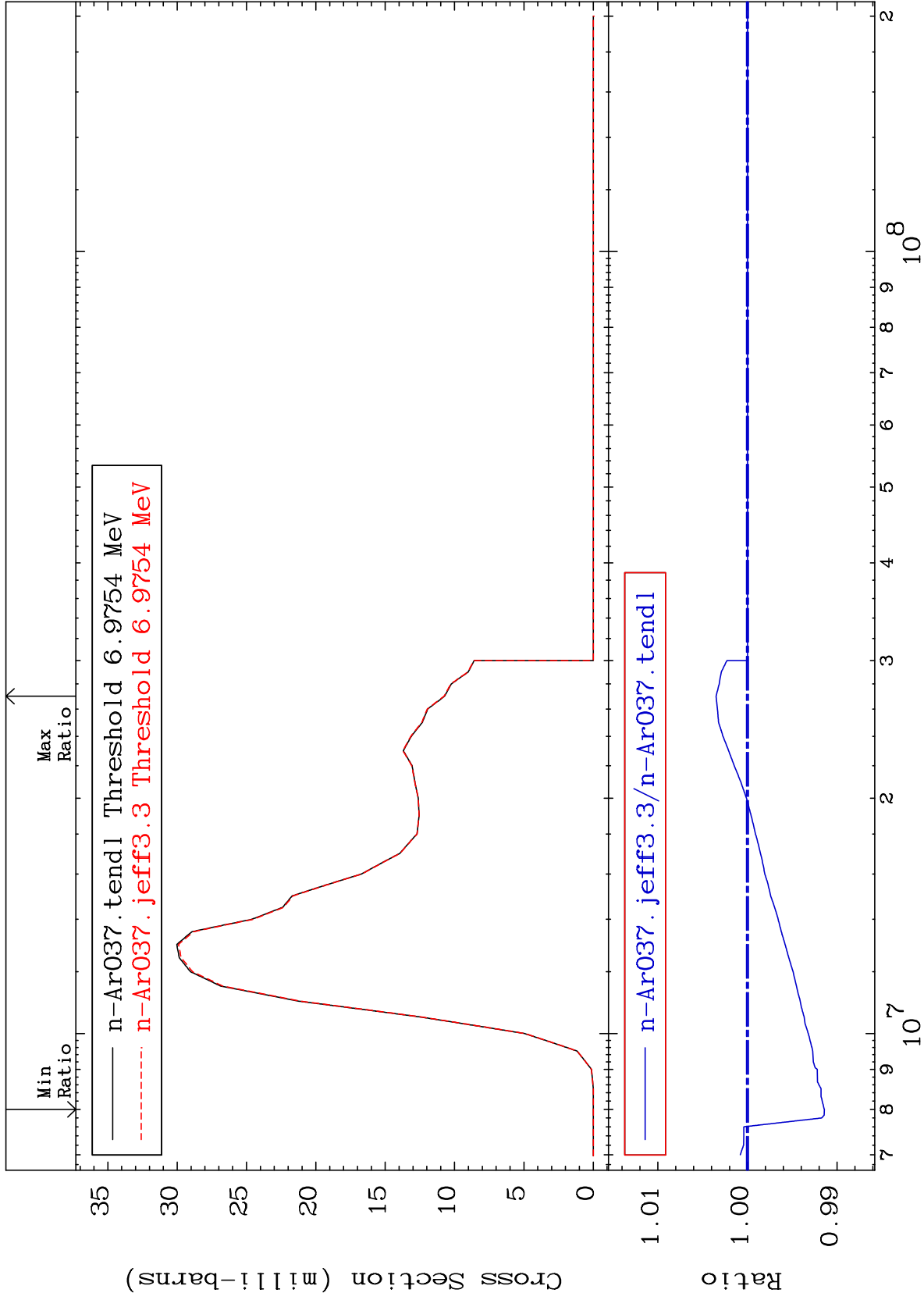
MAT 1828

(n,2p)

18-Ar-37

Cross Section

-0.857 To 0.351 %



56

Incident Energy (eV)

18-Ar-37

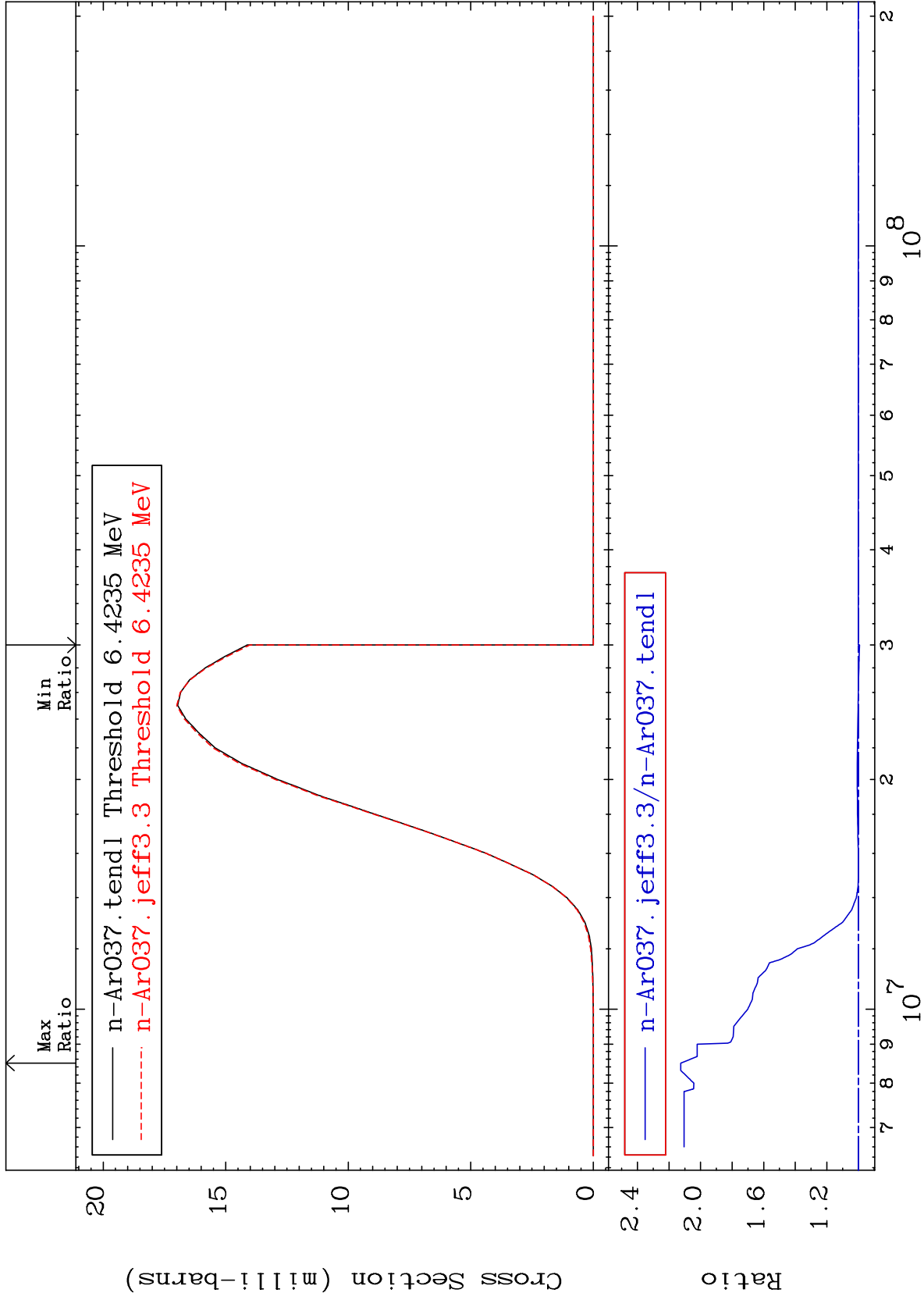
MAT 1828

(n, p) α

18-Ar-37

Cross Section

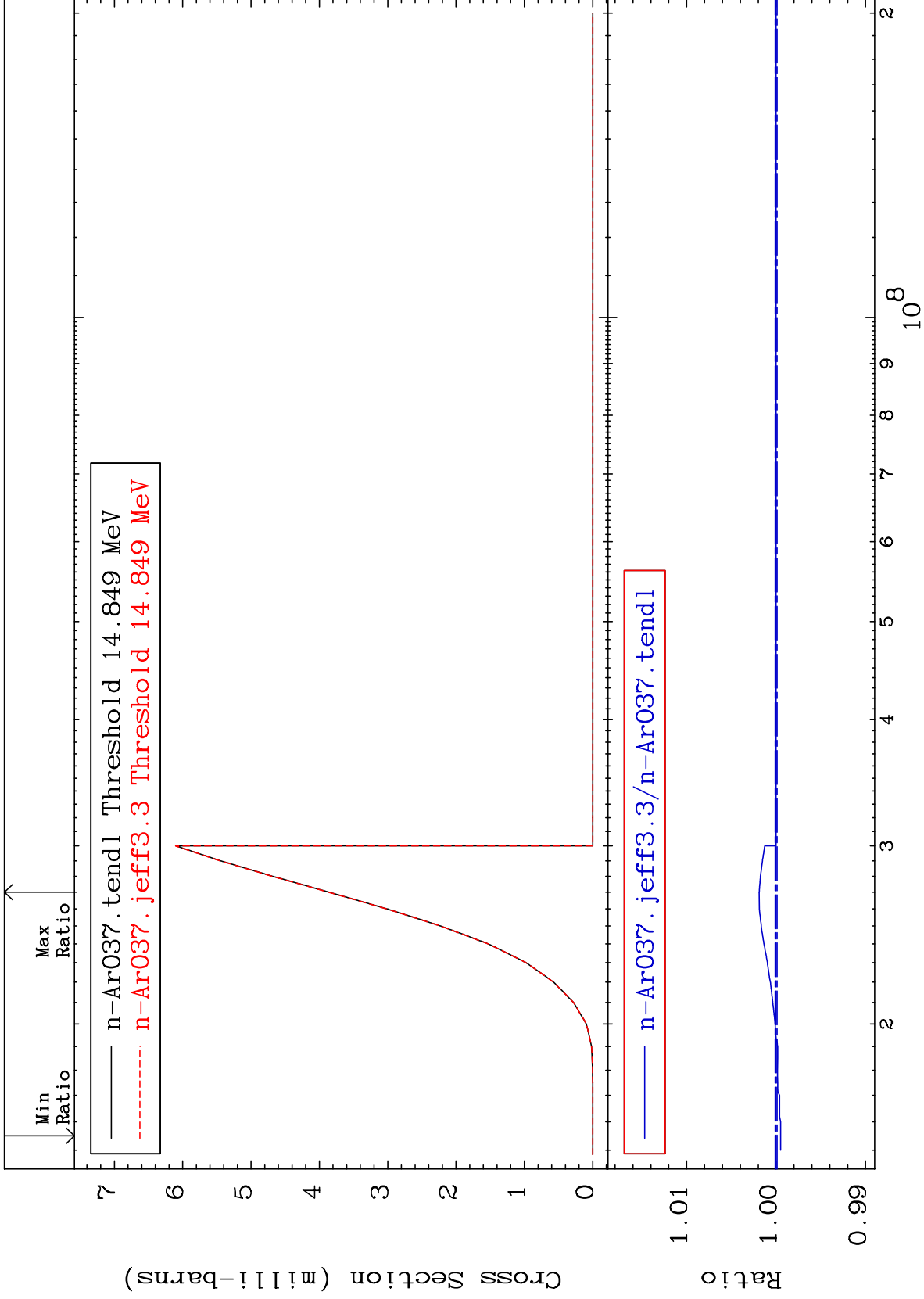
-0.731 To 112.6 %

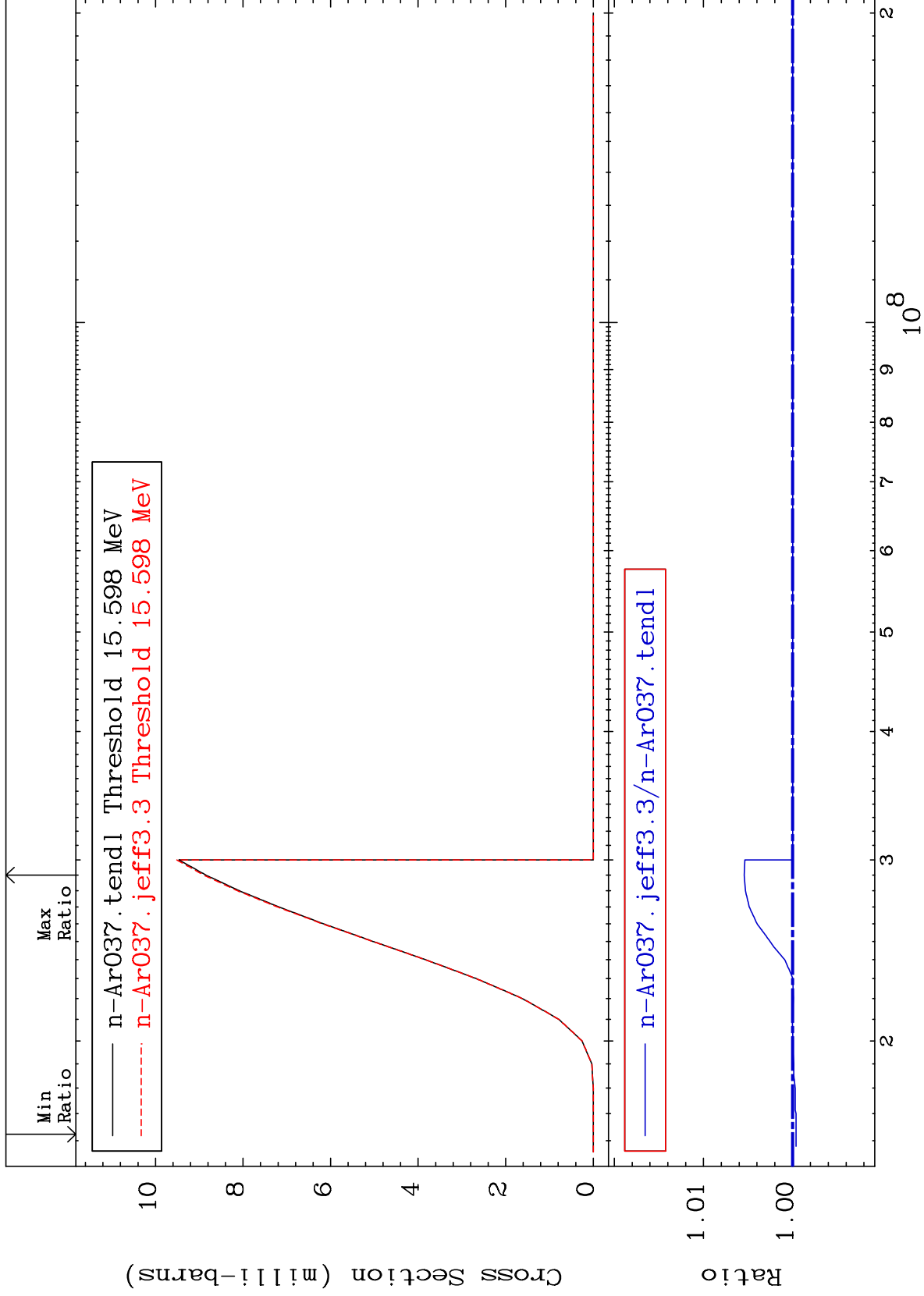


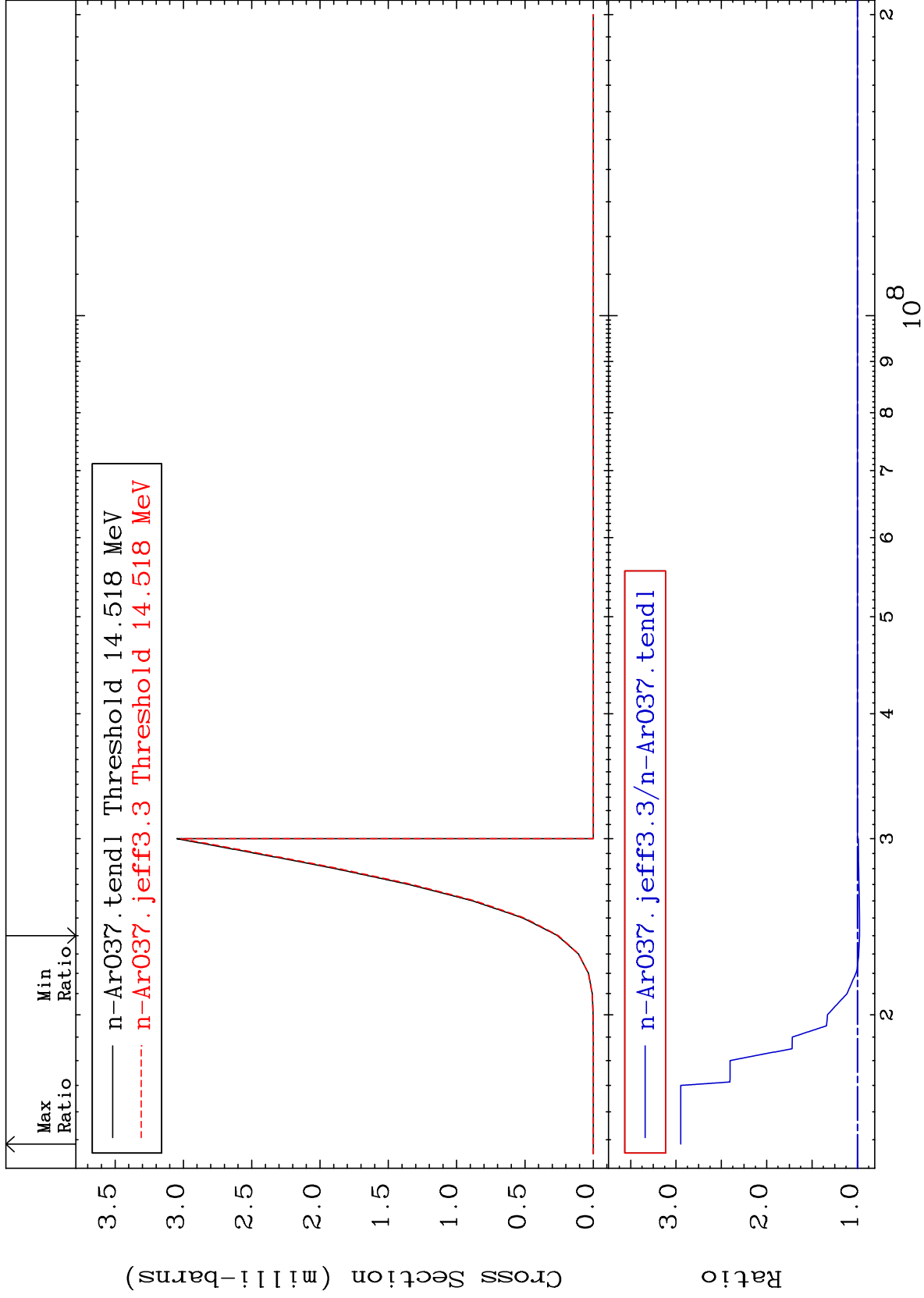
57

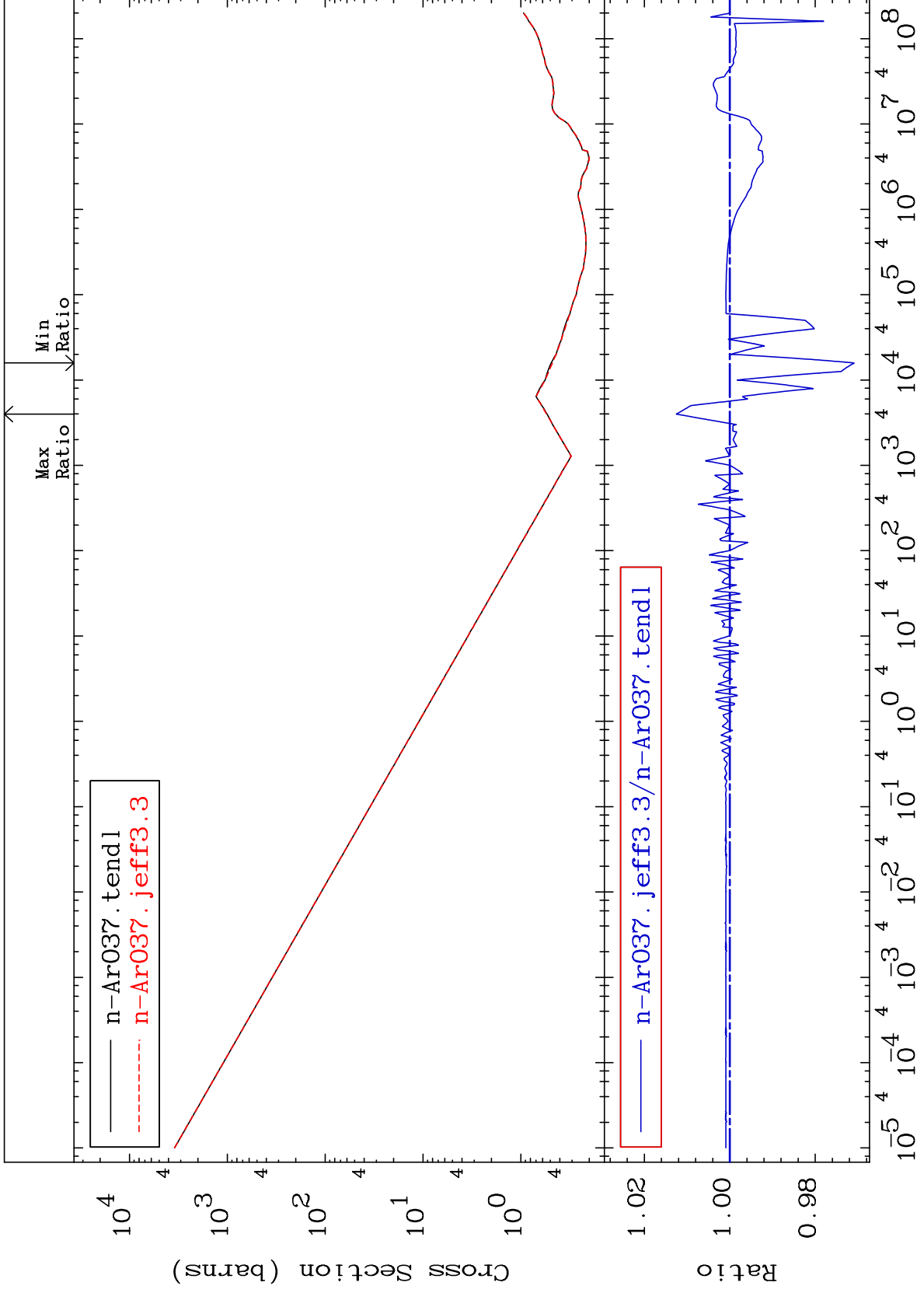
Incident Energy (eV)

18-Ar-37





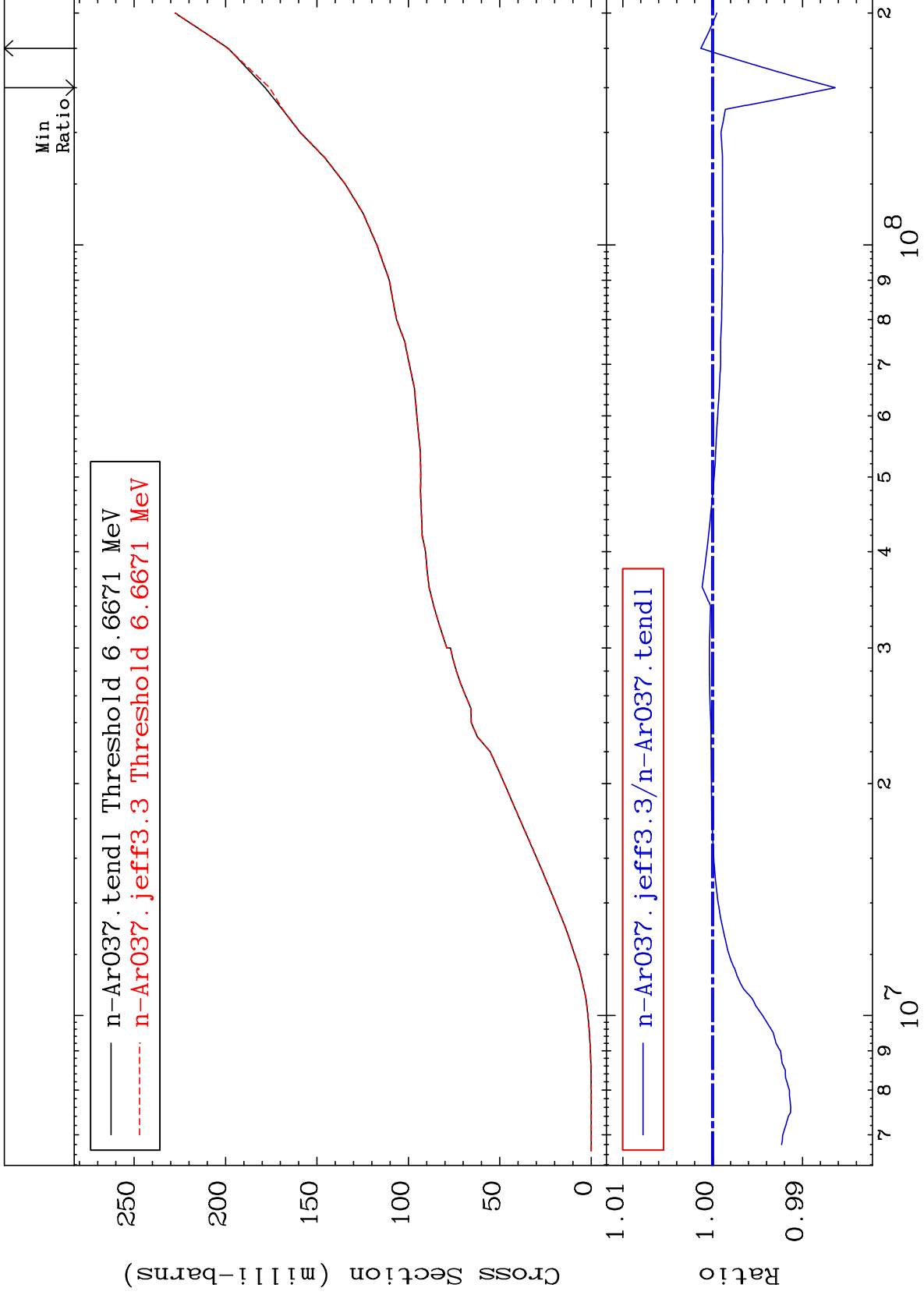




MAT 1828

Deuterium Production
Cross Section

18-Ar-37
-1.363 To 0.132 %



62

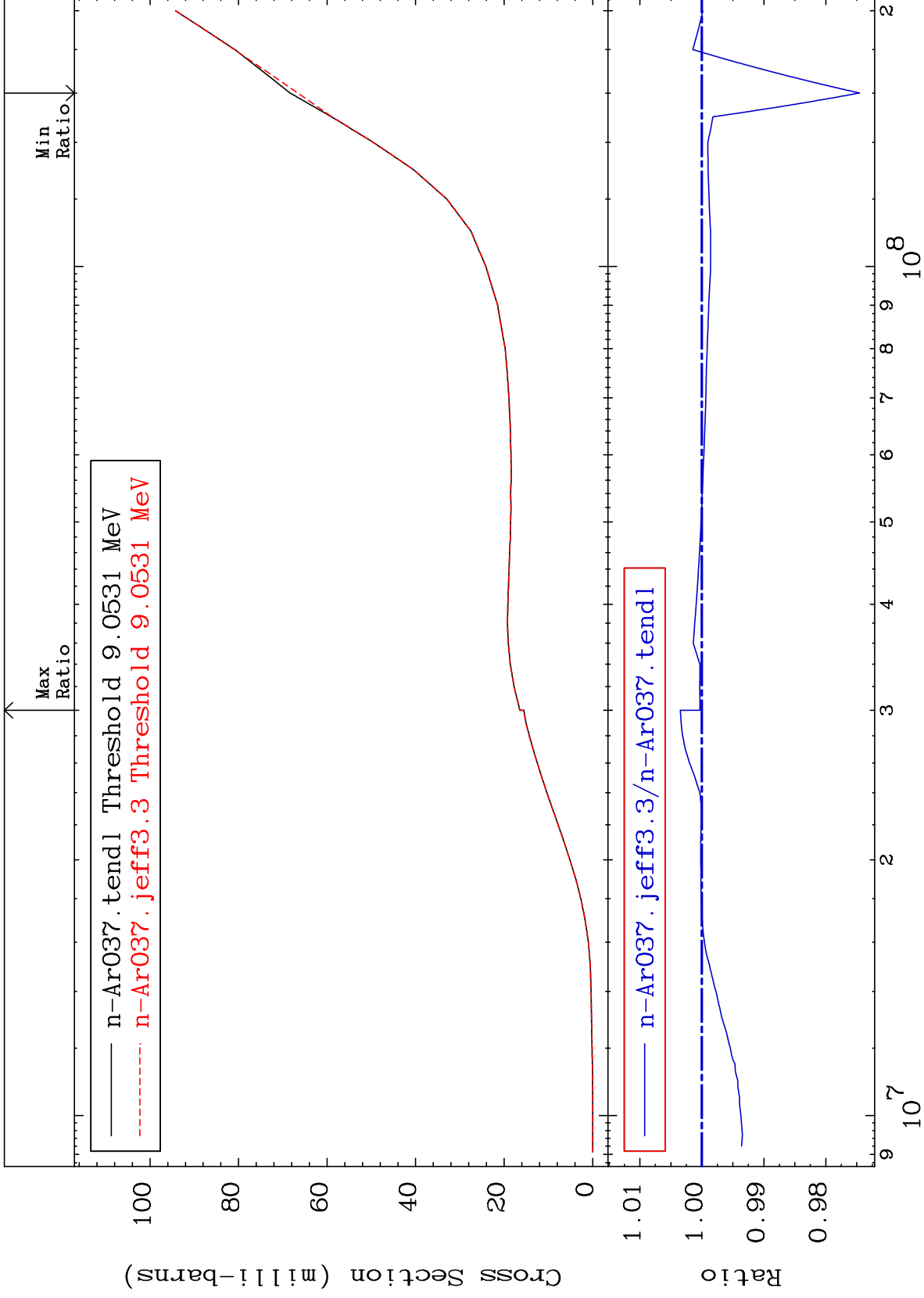
Incident Energy (eV)

18-Ar-37

MAT 1828

Tritium Production
Cross Section

18-Ar-37
-2.543 To 0.347 %



63

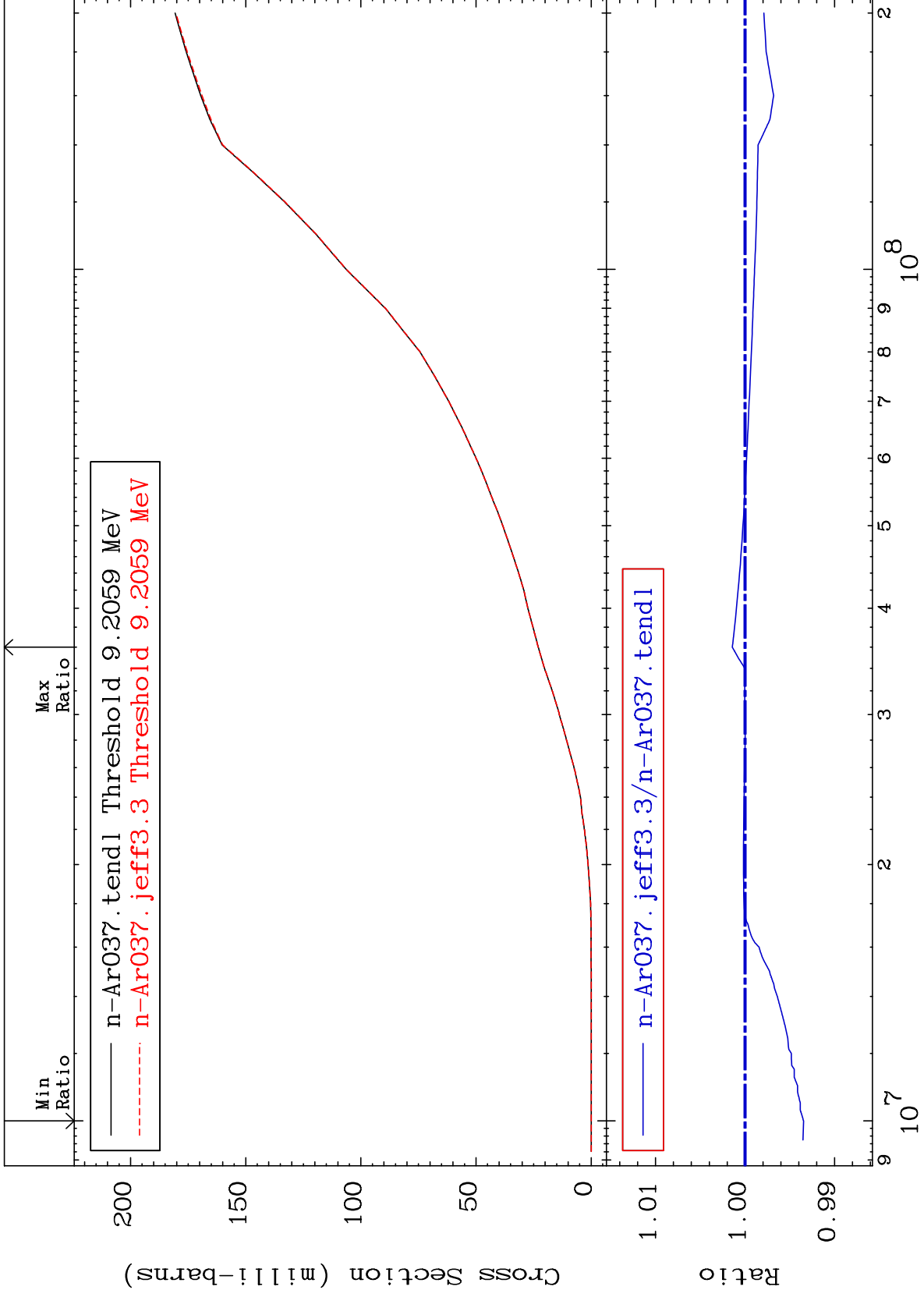
Incident Energy (eV)

18-Ar-37

MAT 1828

He-3 Production
Cross Section

18-Ar-37
-0.653 To 0.143 %



64

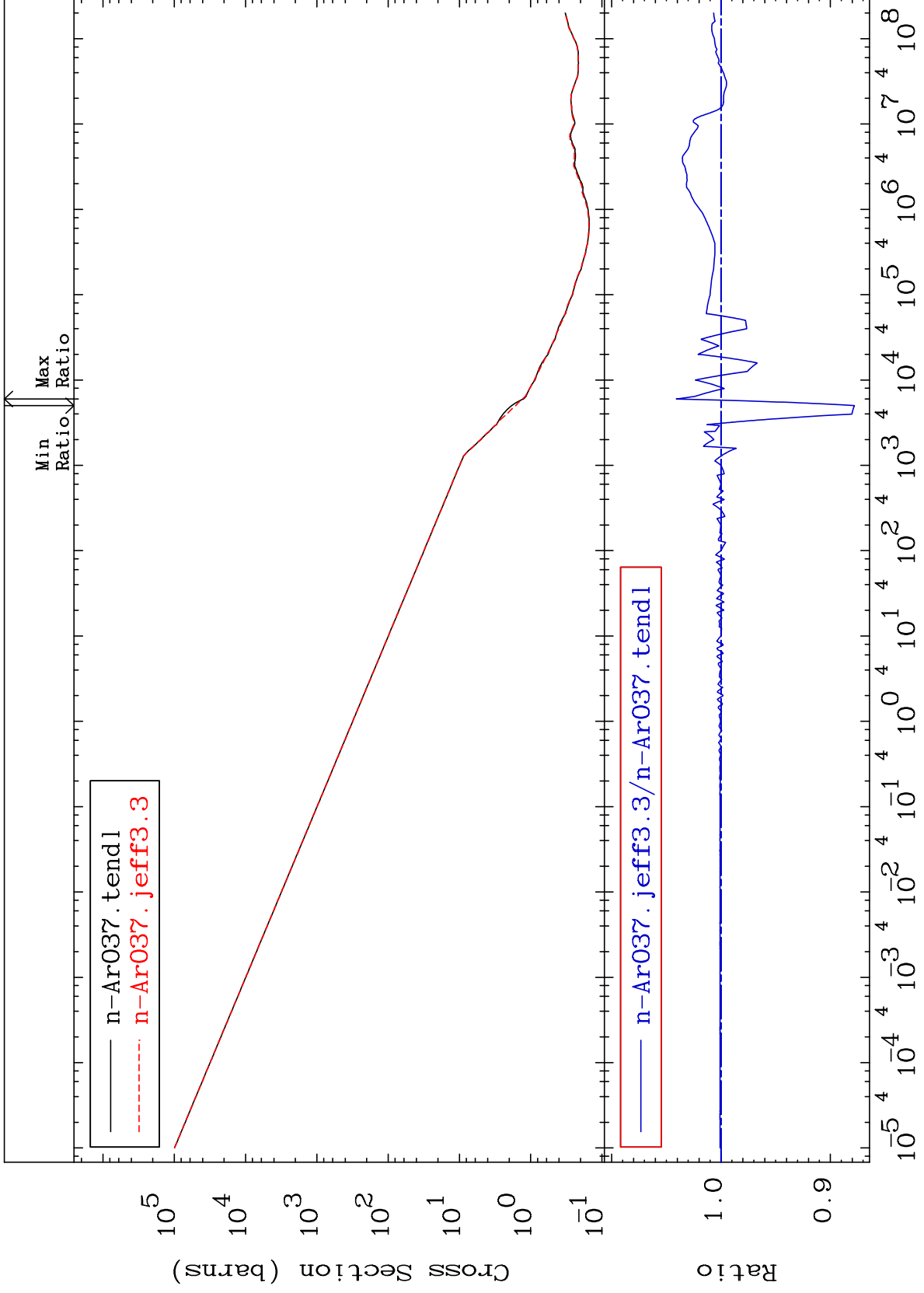
Incident Energy (eV)

18-Ar-37

MAT 1828

He-4 Production
Cross Section

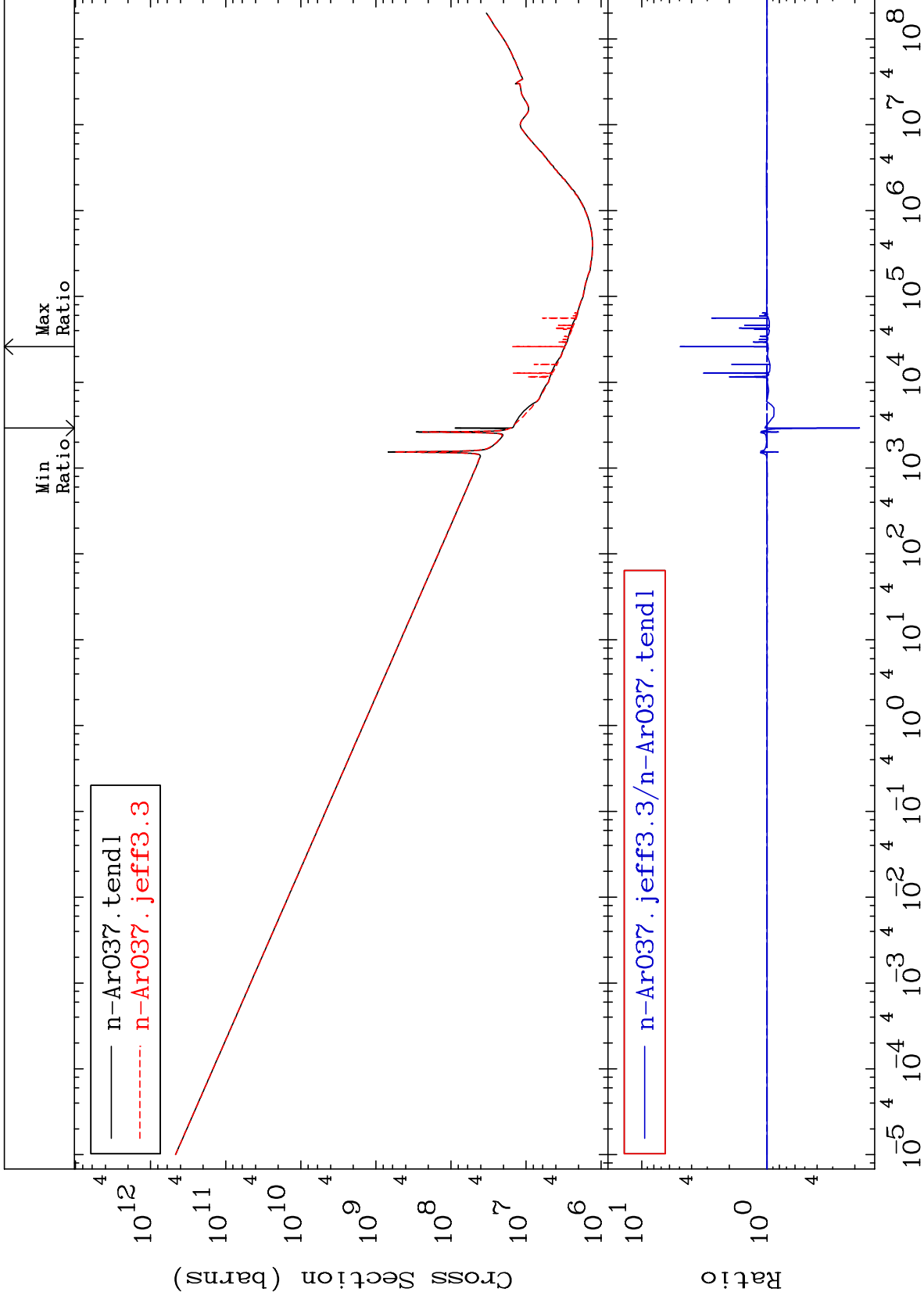
18-Ar-37
-12.20 To 4.085 %



65

Incident Energy (eV)

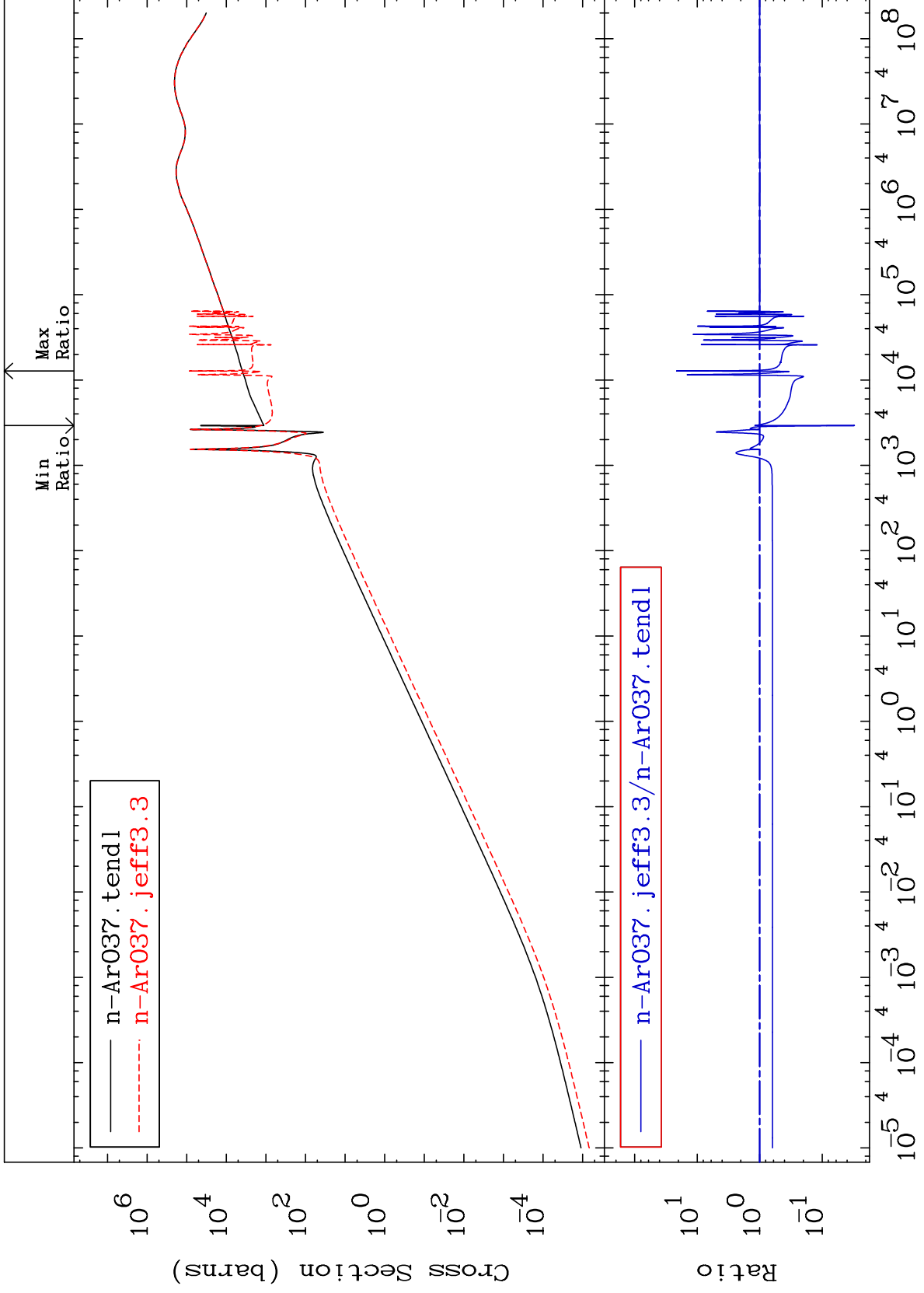
18-Ar-37



MAT 1828

Kerma elastic
Cross Section

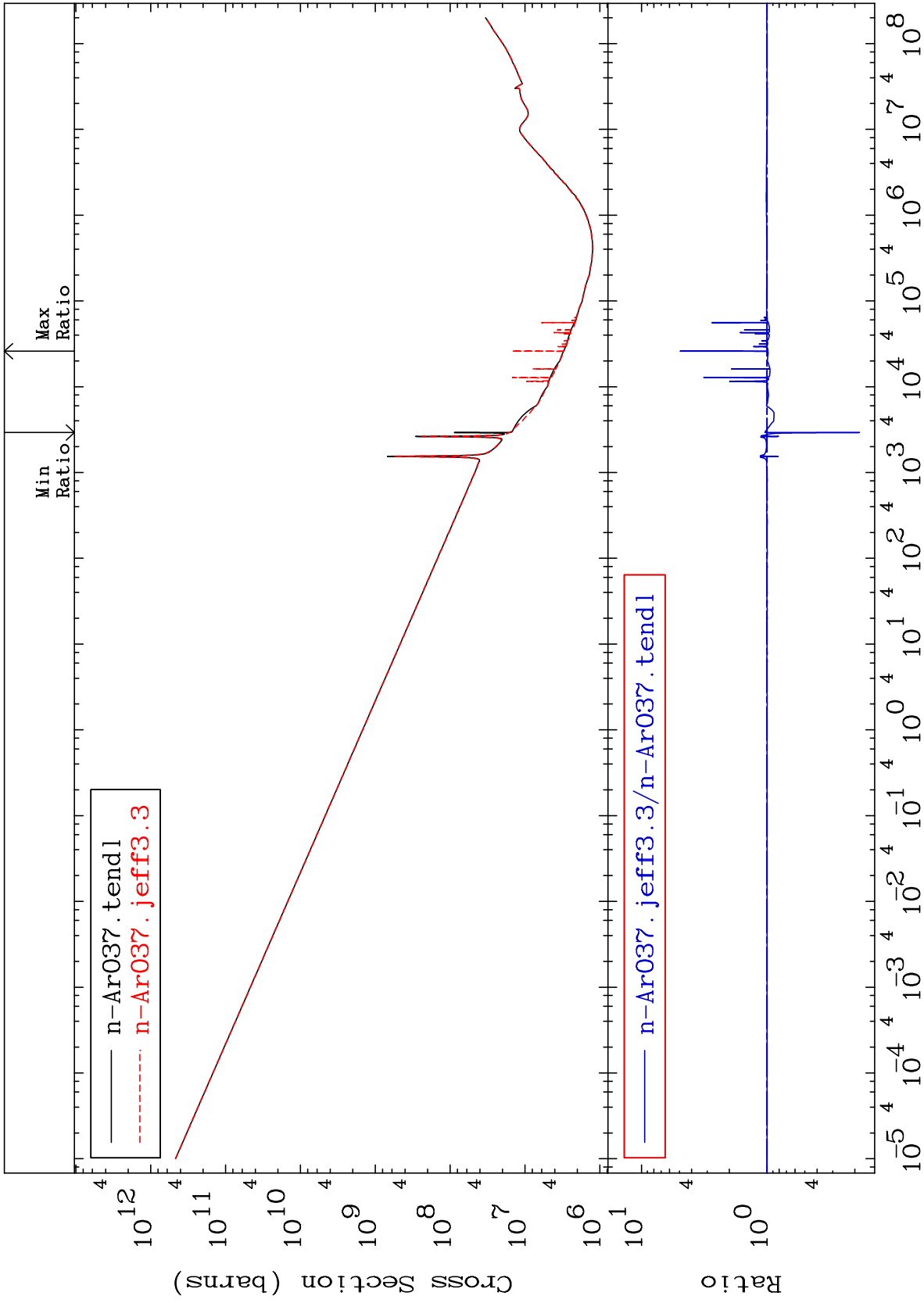
18-Ar-37
-96.95 To 2056. %

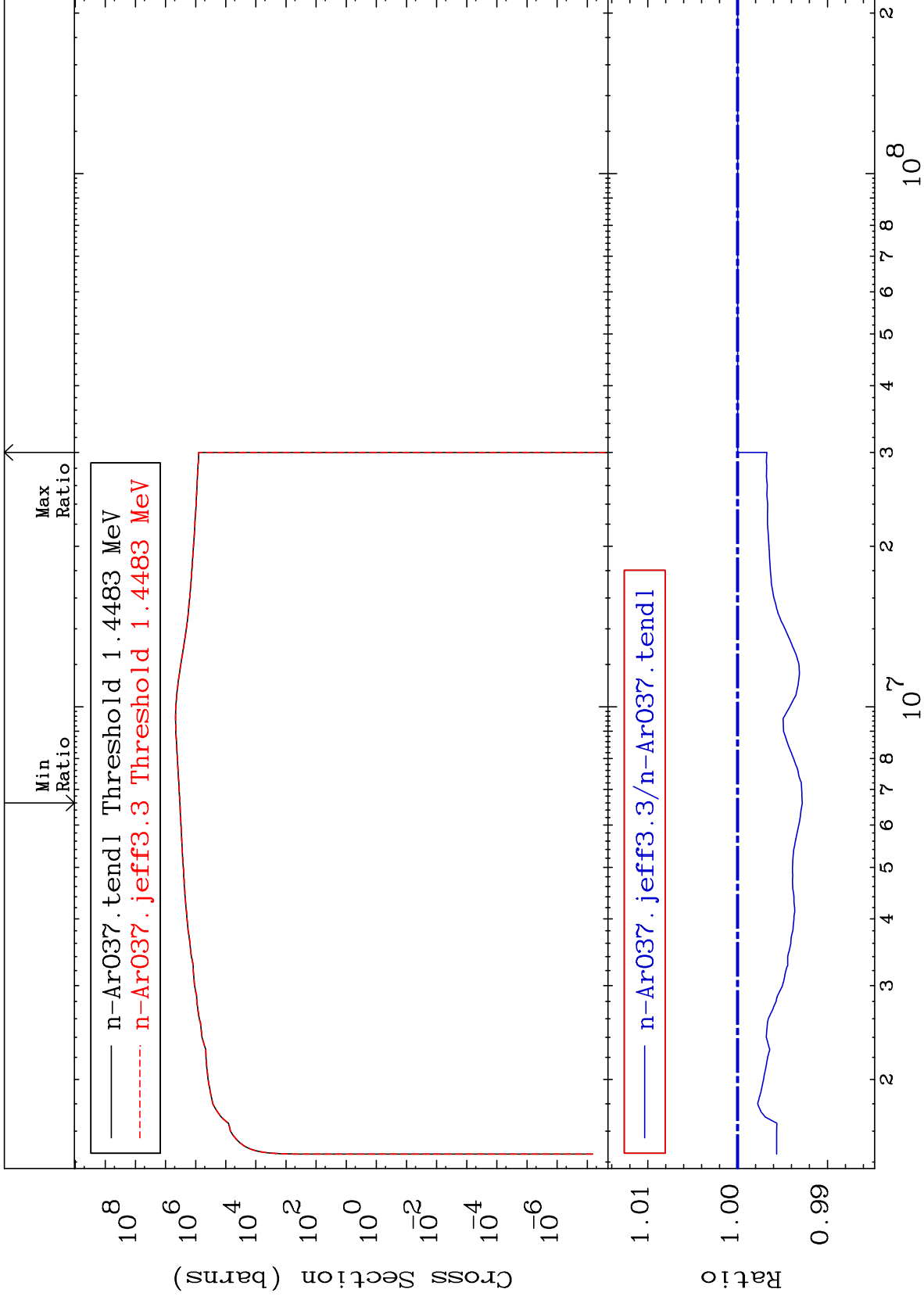


67

Incident Energy (eV)

18-Ar-37

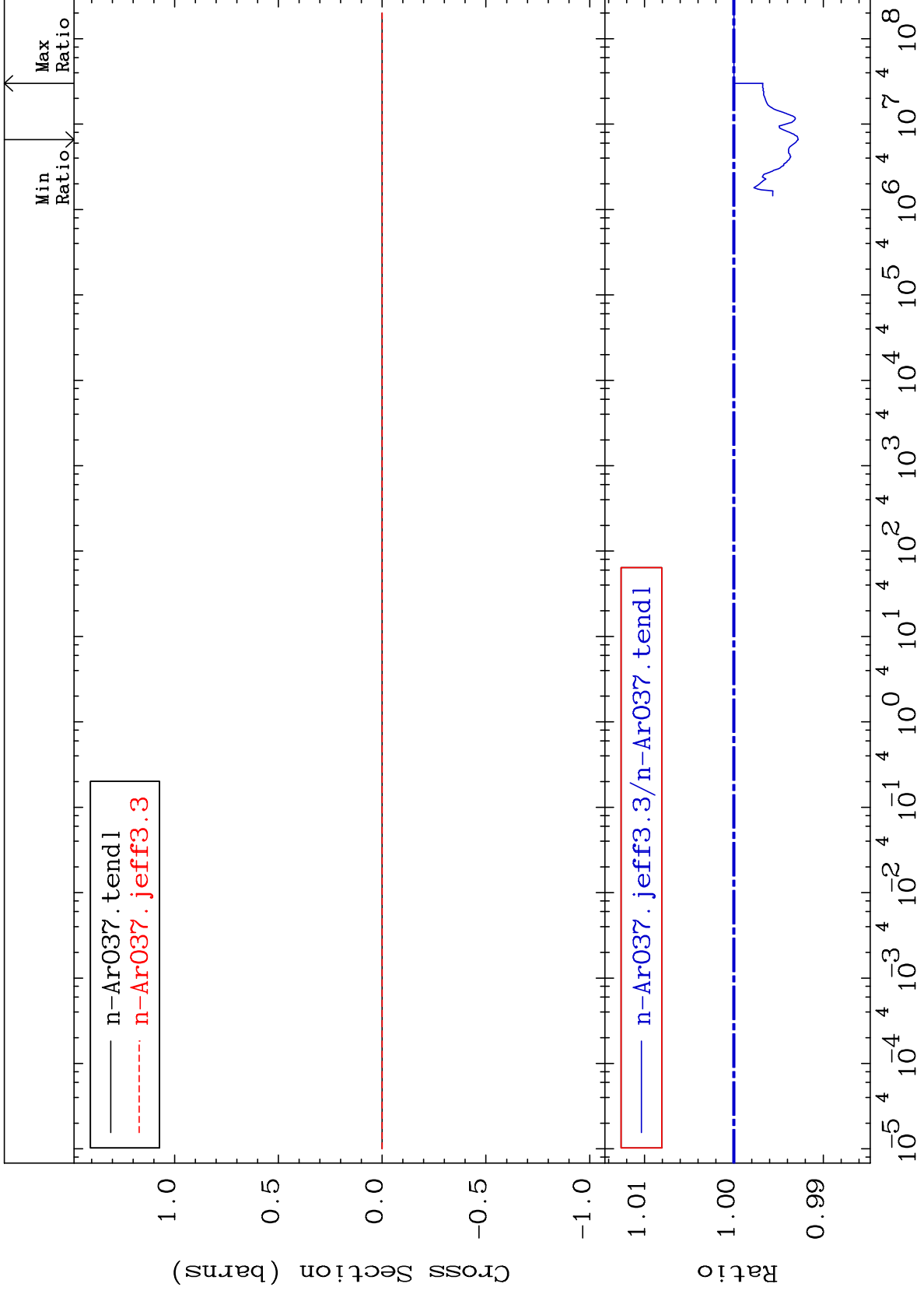




MAT 1828

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

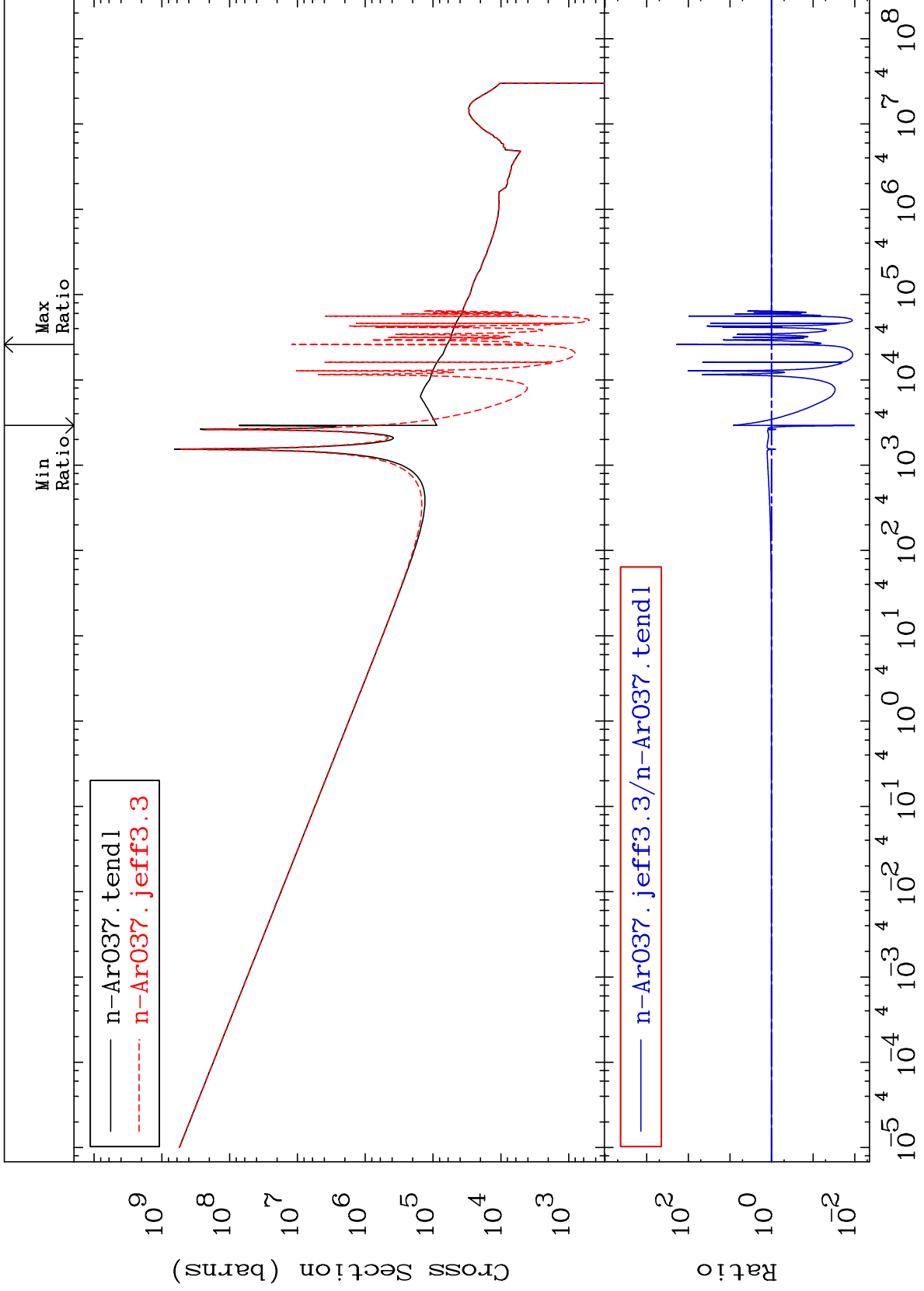
18-Ar-37
-0.719 To 0.000 %



MAT 1828

Kerma capture (mt102)
Cross Section

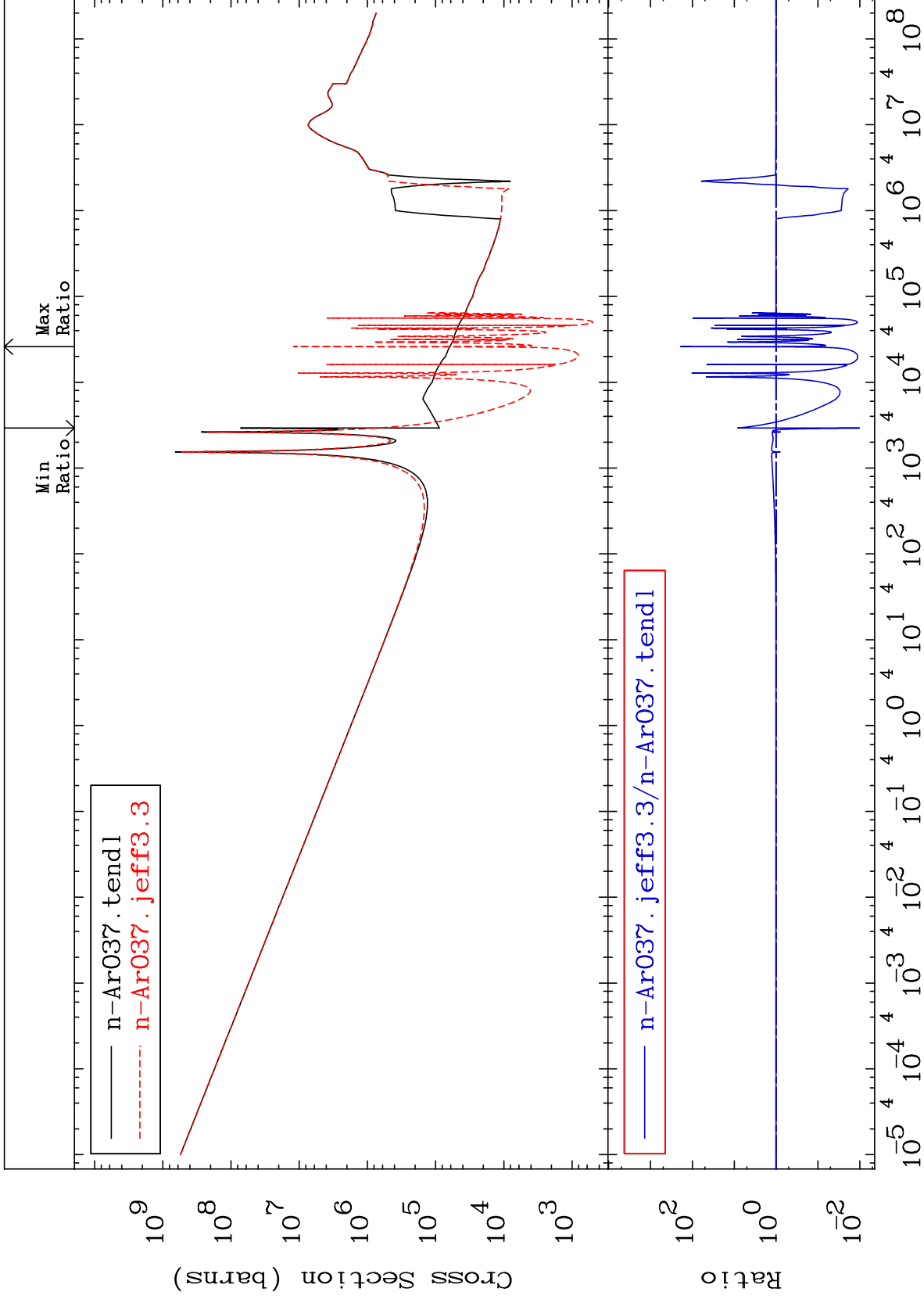
18-Ar-37
-98.98 To 9999. %

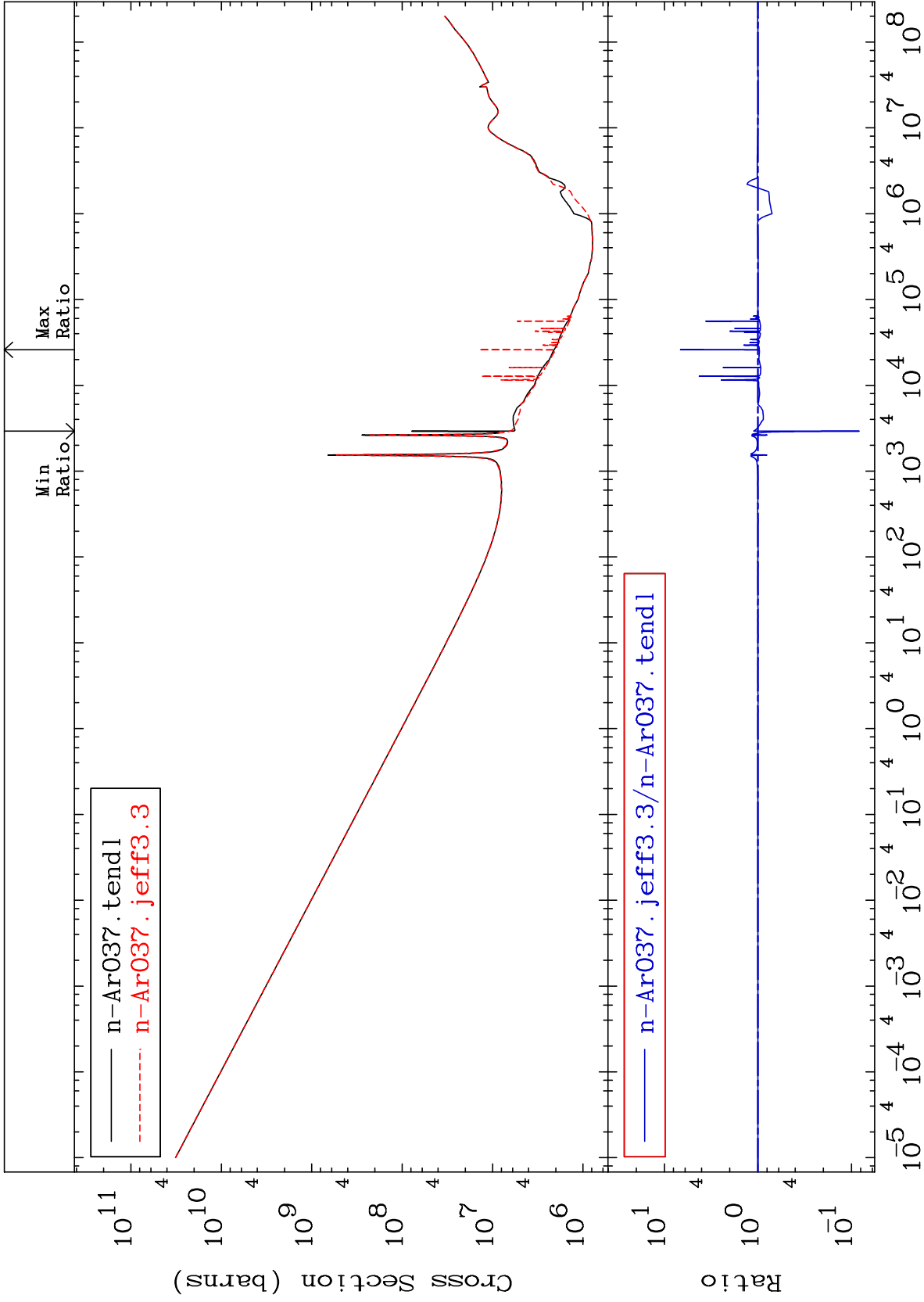


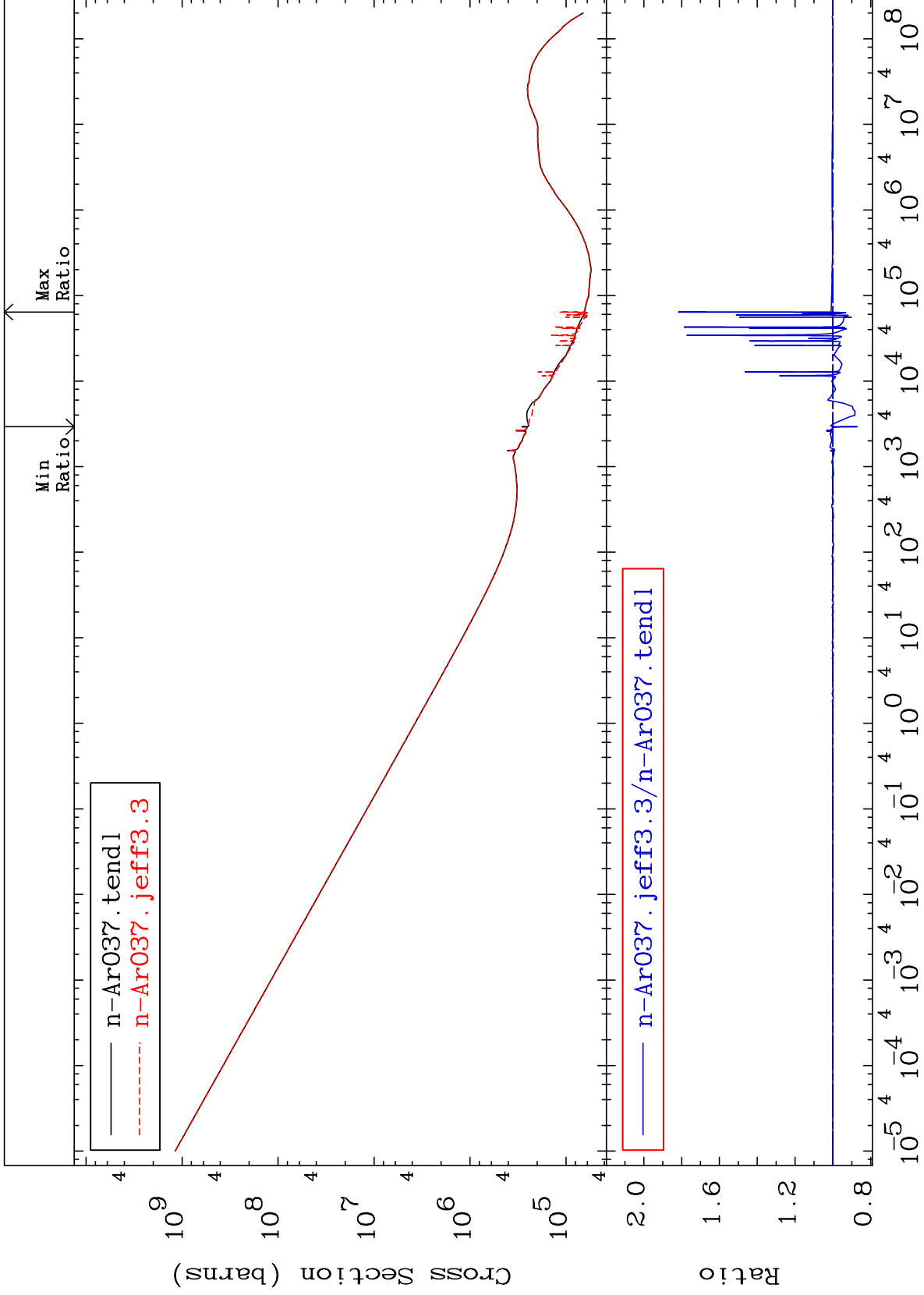
71

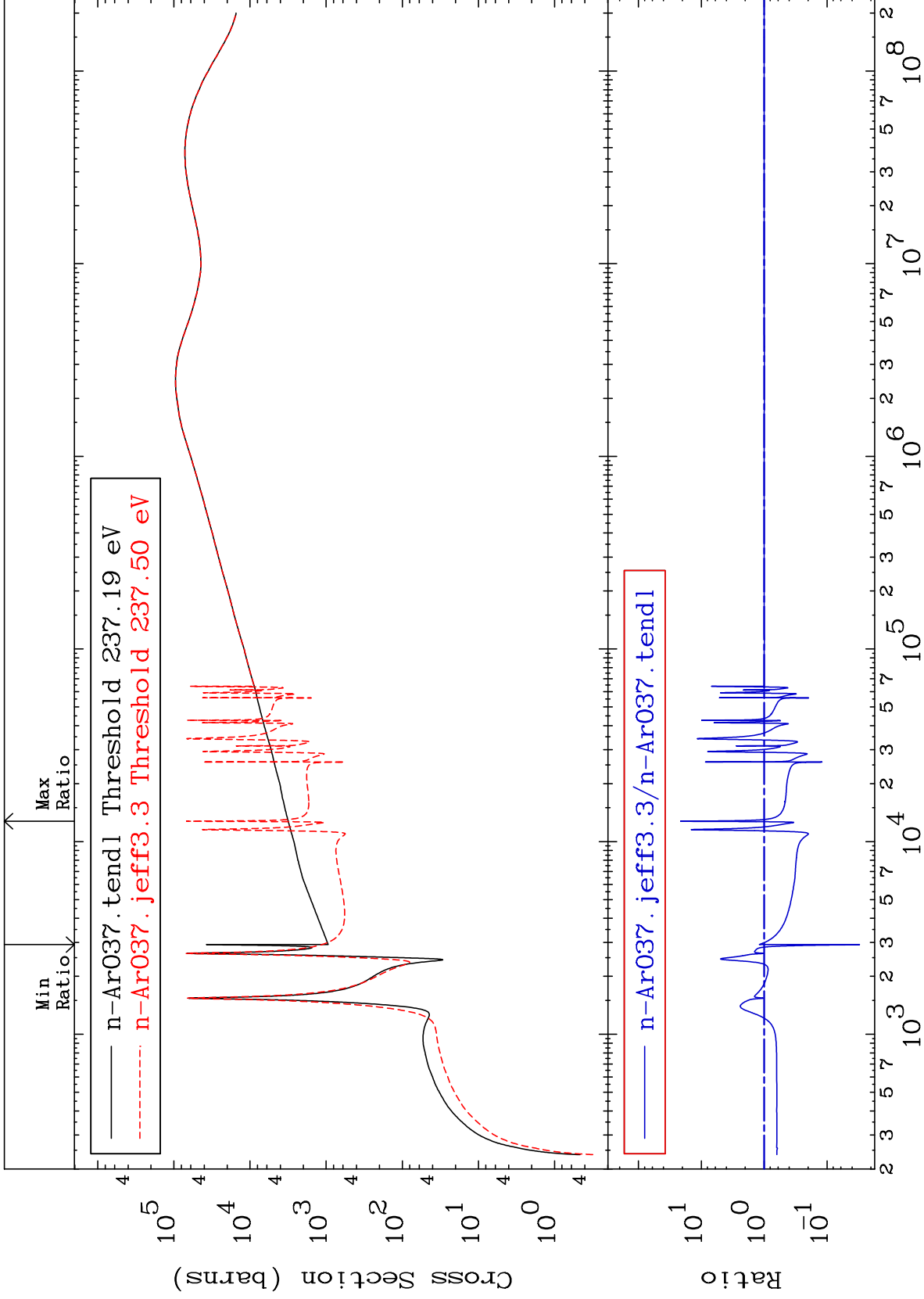
Incident Energy (eV)

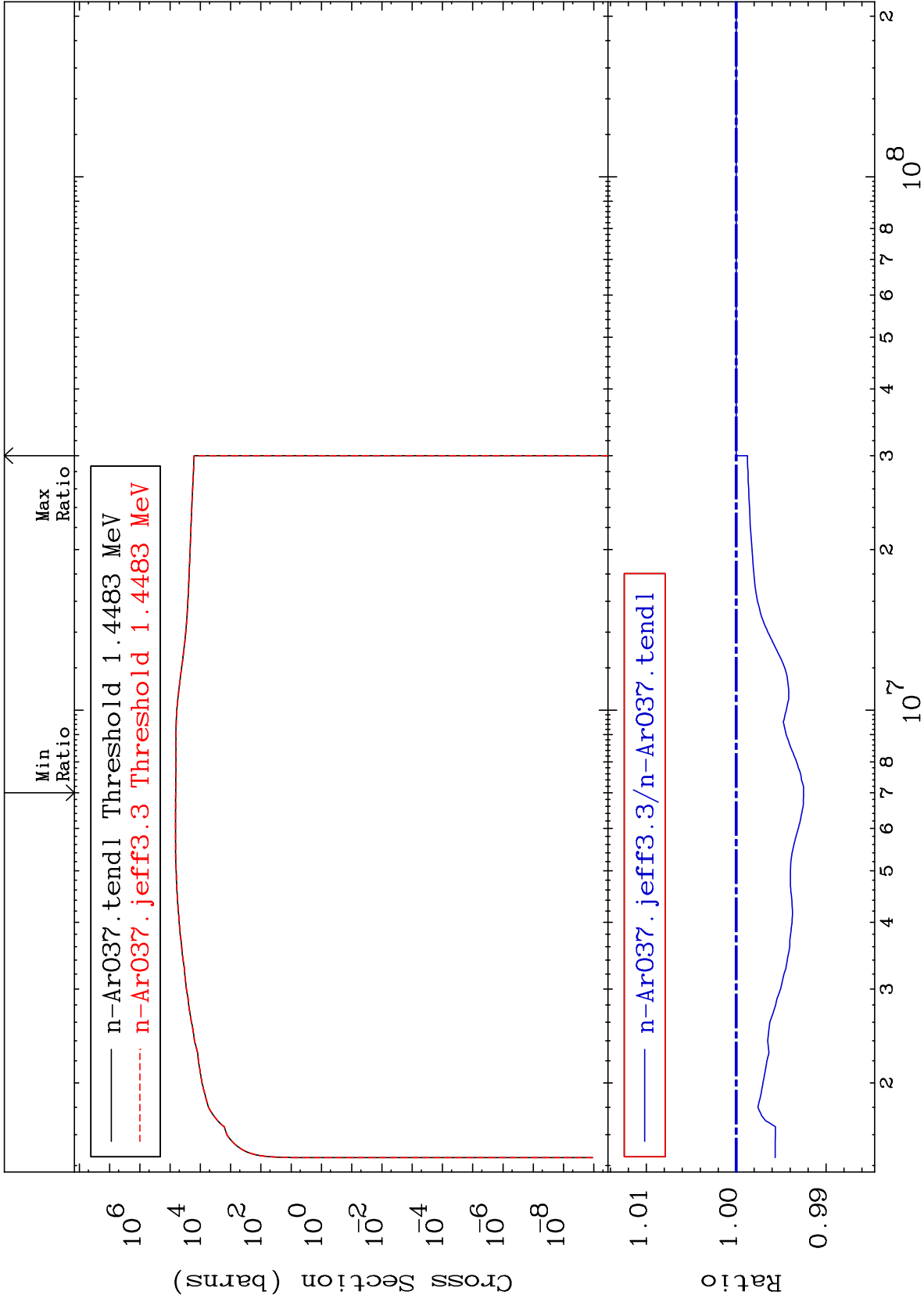
18-Ar-37

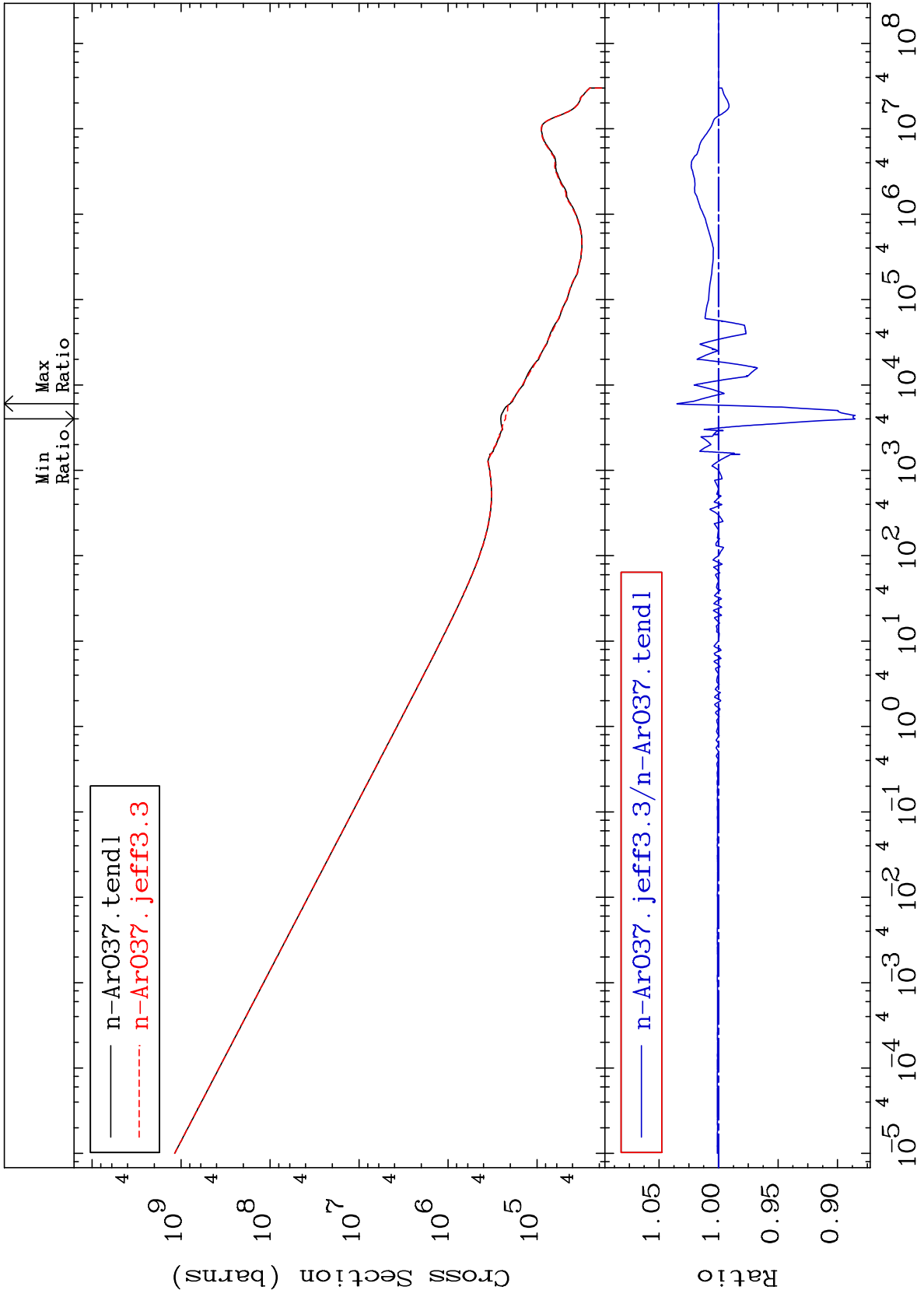




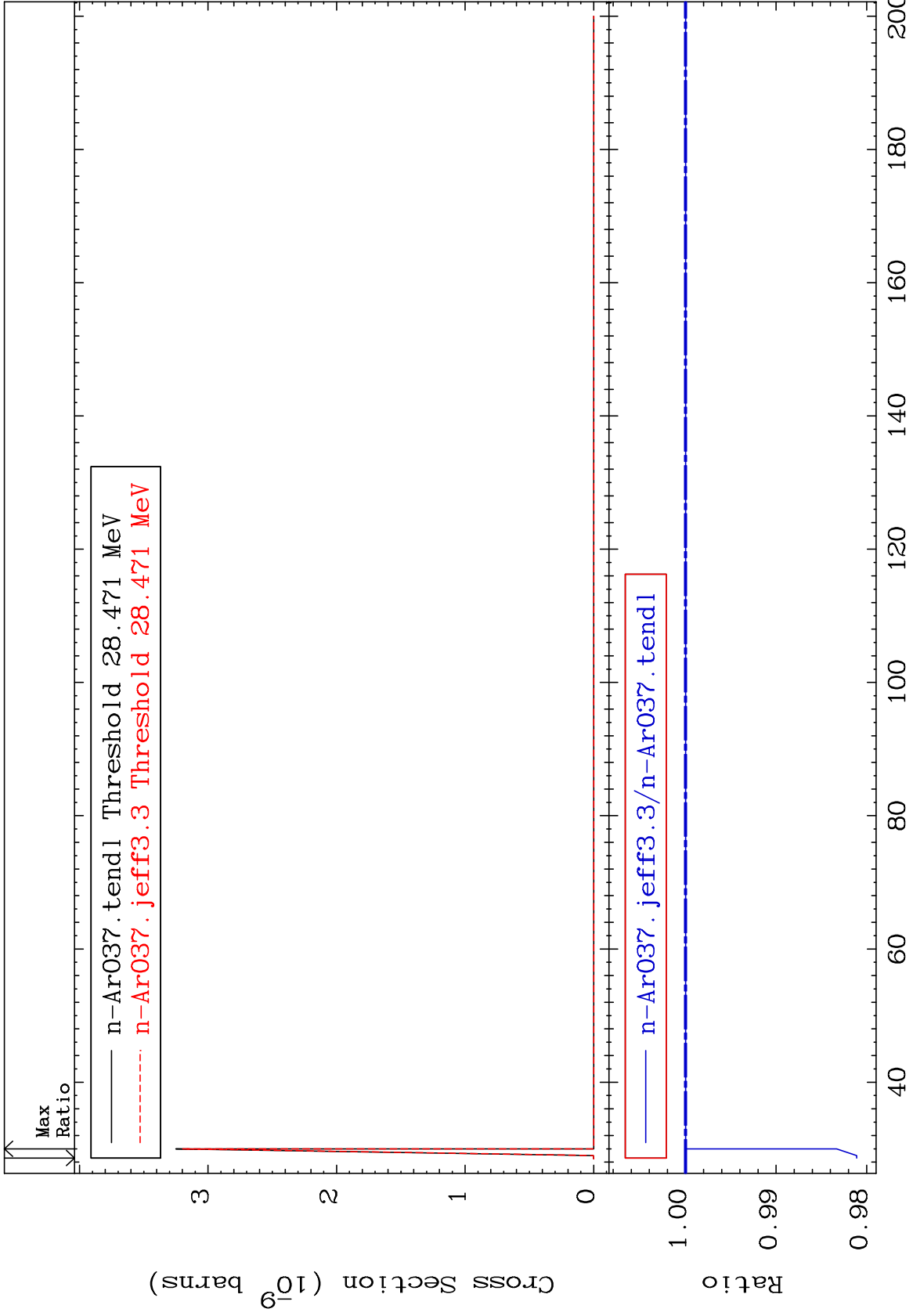




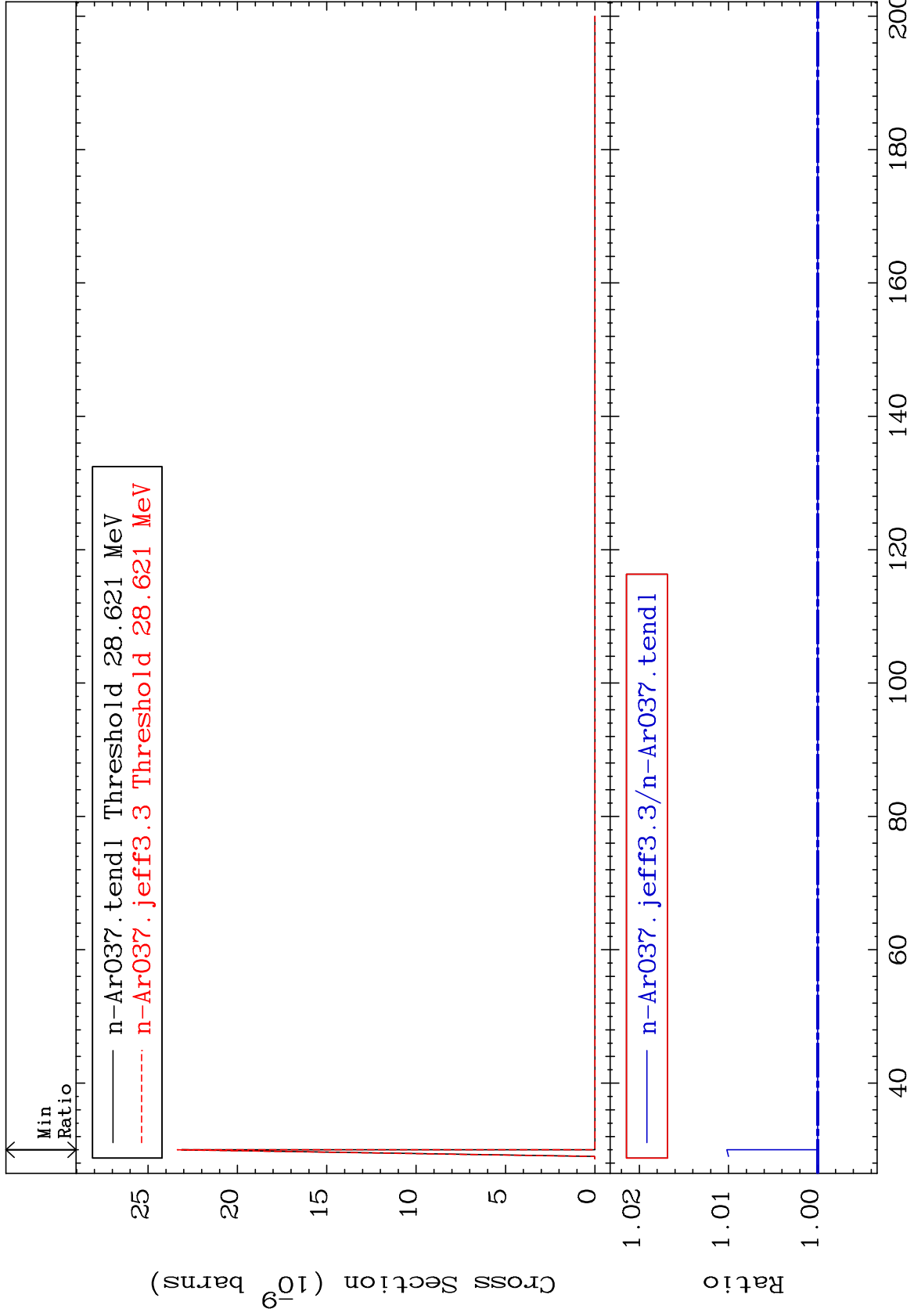




Radionuclide Production Cross Section -1.891 To 0.000 %



Radionuclide Production Cross Section 0.000 To 1.019 %

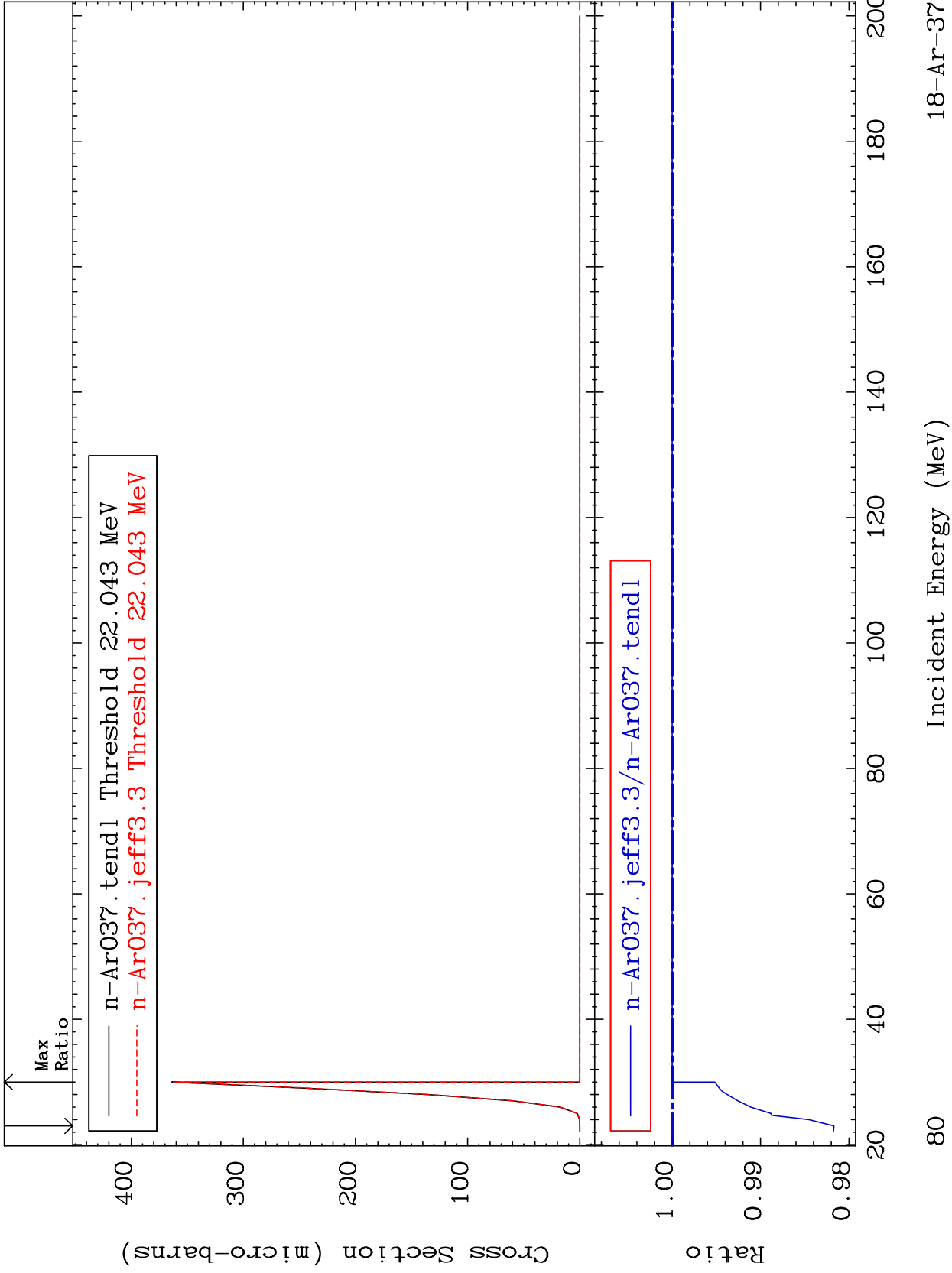


MAT 1828

(n, n') t:17-Cl-34g

18-Ar-37

Radionuclide Production Cross Section -1.830 To 0.000 %



18-Ar-37

MAT 1828

(n, n') t: 17-Cl-34m1

18-Ar-37

Radionuclide Production Cross Section 0.000 To 1.300 %

