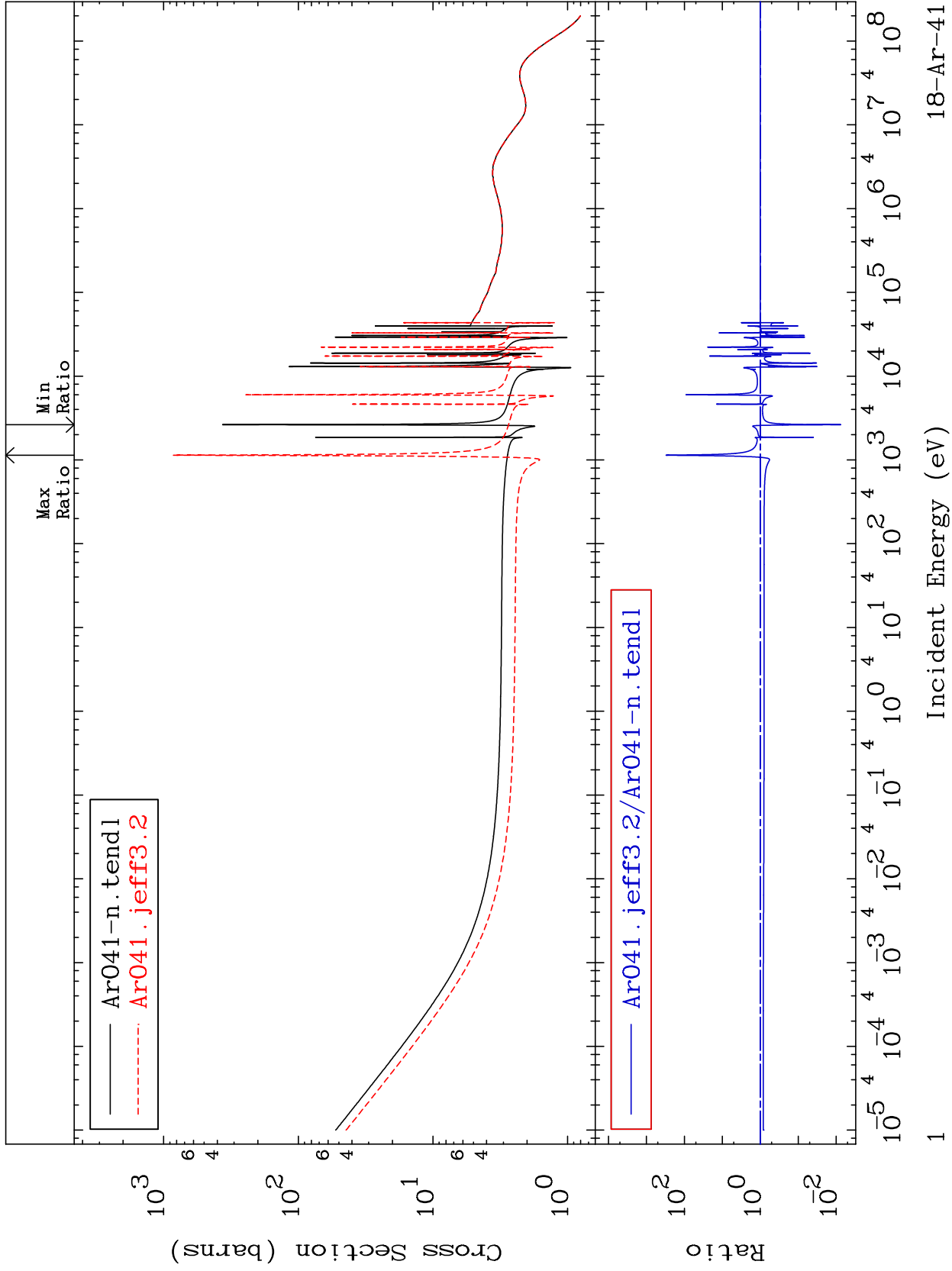


MAT 1840

Total Cross Section
18-Ar-41
-99.25 To 9999. %



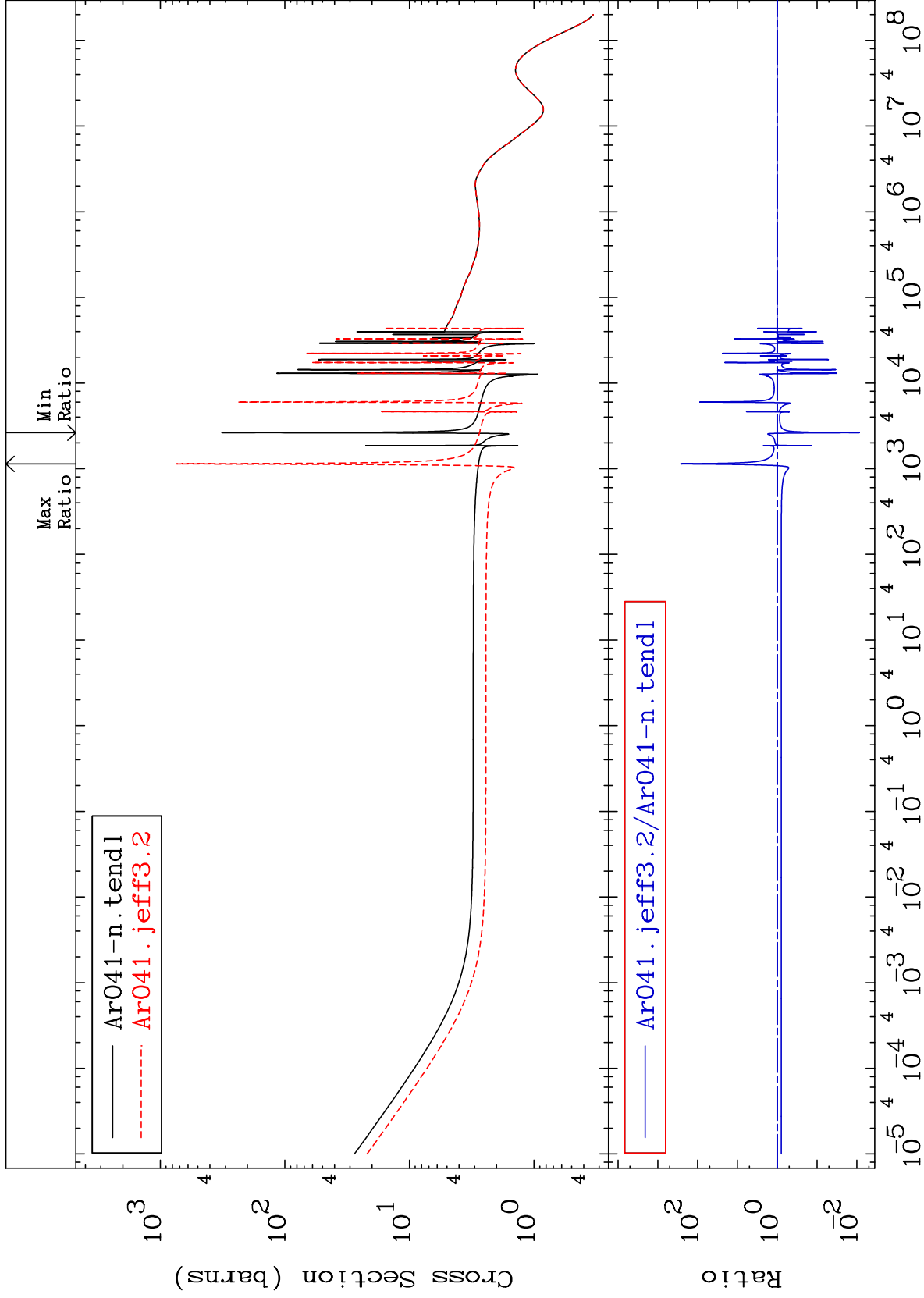
MAT 1840

Elastic

Cross Section

18-Ar-41

-99.15 To 9999. %



2

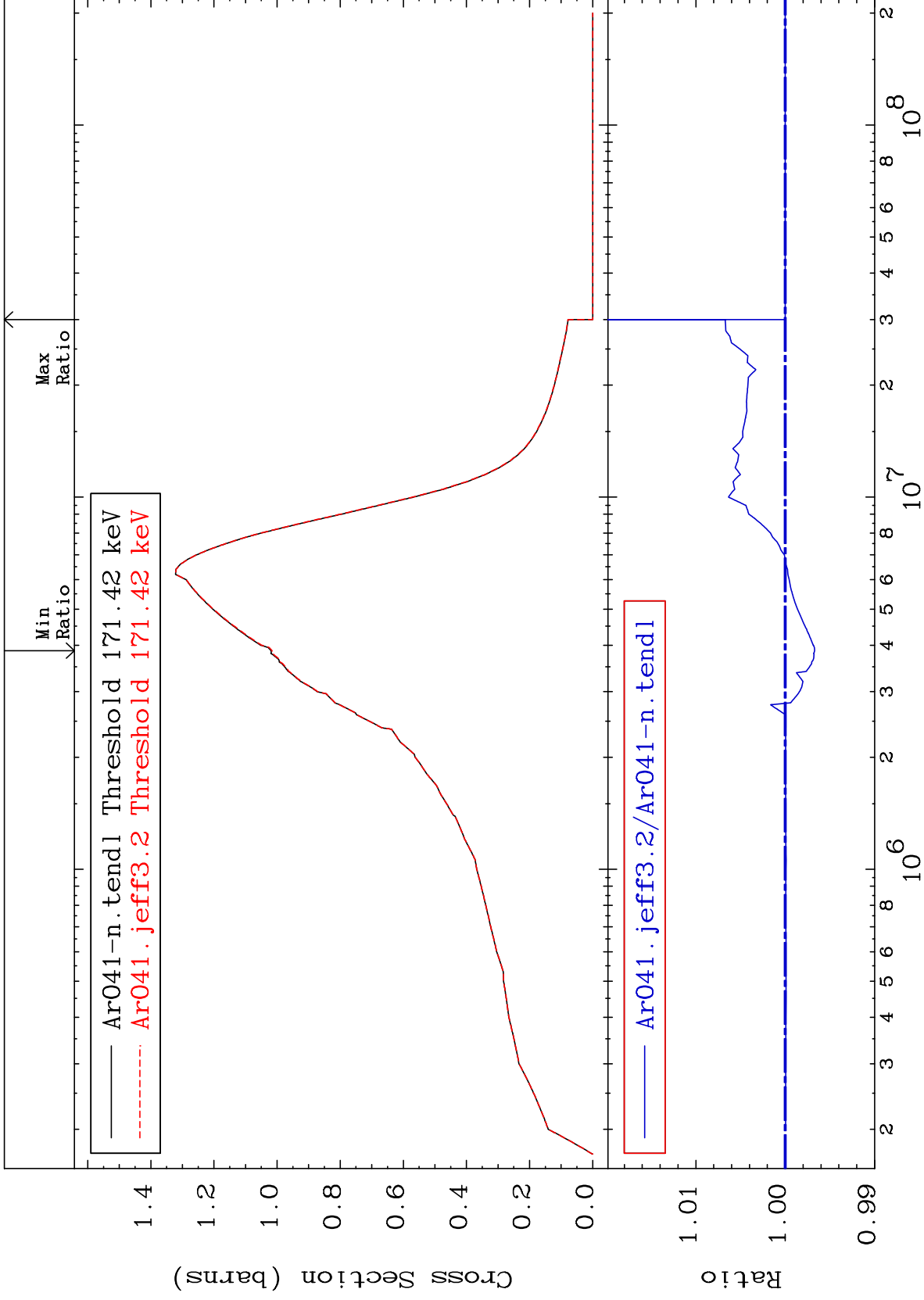
Incident Energy (eV)

18-Ar-41

MAT 1840

Inelastic
Cross Section

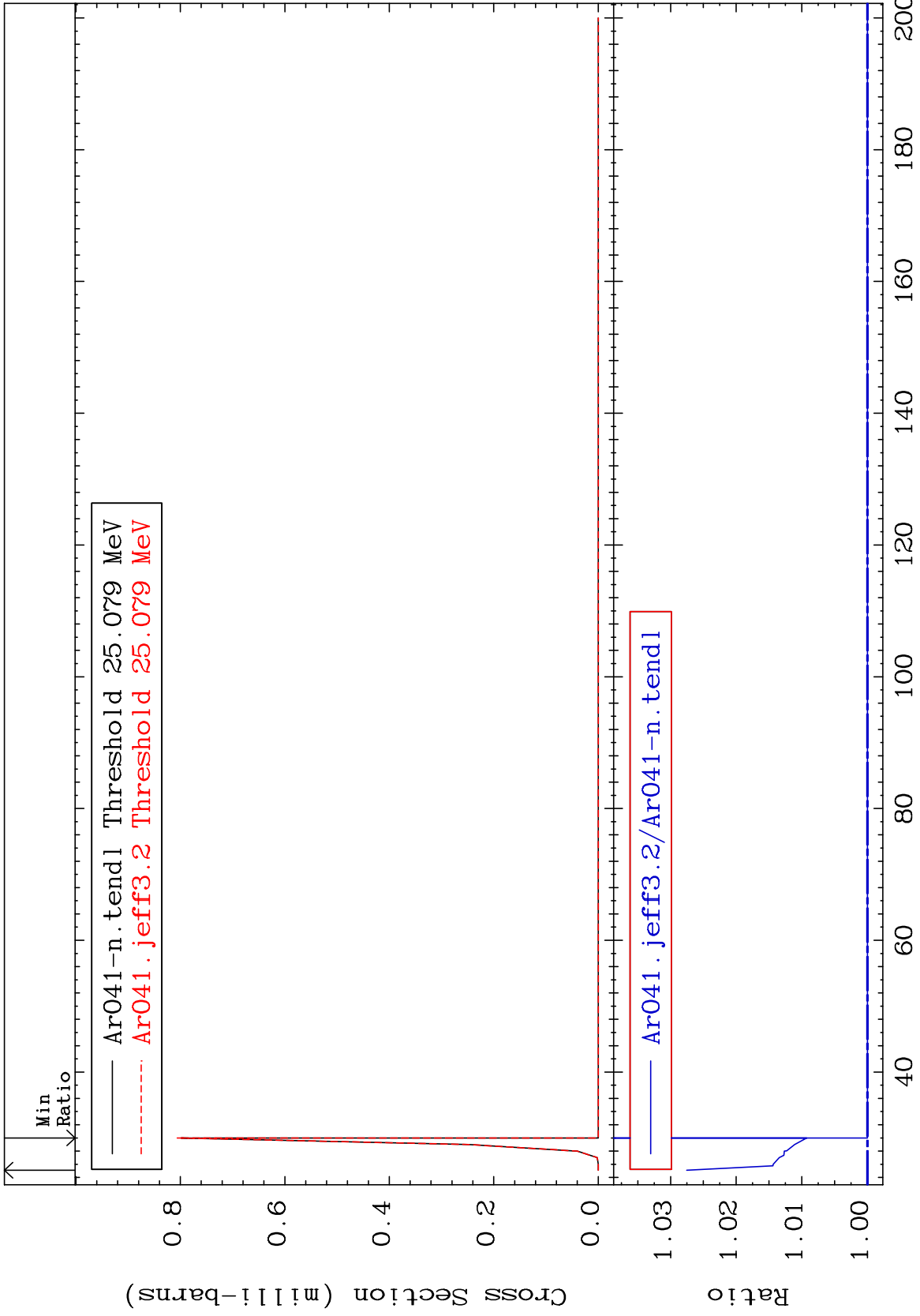
18-Ar-41
-0.329 To 0.672 %



MAT 1840

(n,2n) d
Cross Section

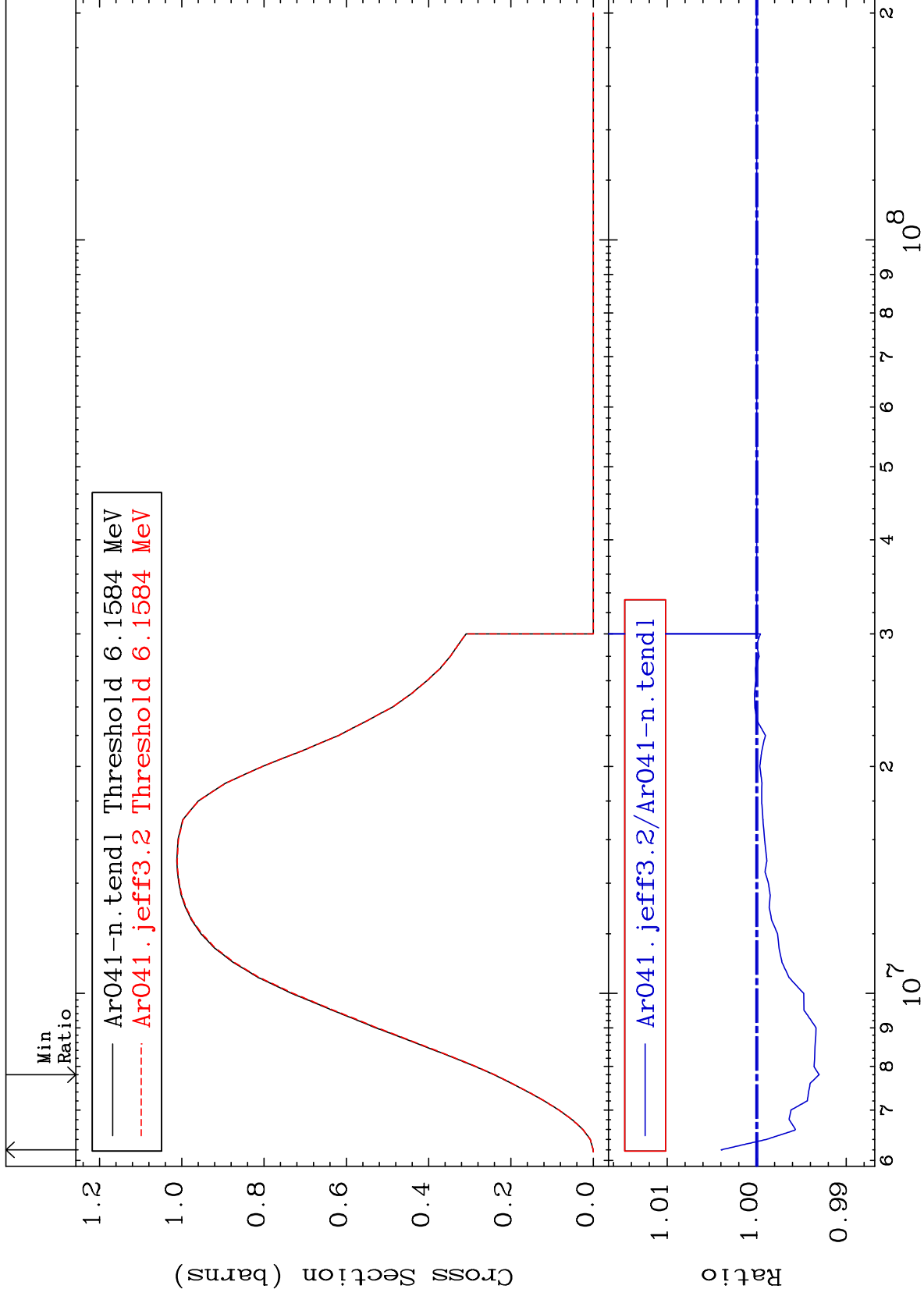
18-Ar-41
0.000 To 2.754 %



MAT 1840

(n,2n)
Cross Section

18-Ar-41
-0.696 To 0.397 %



5

18-Ar-41

18-Ar-41

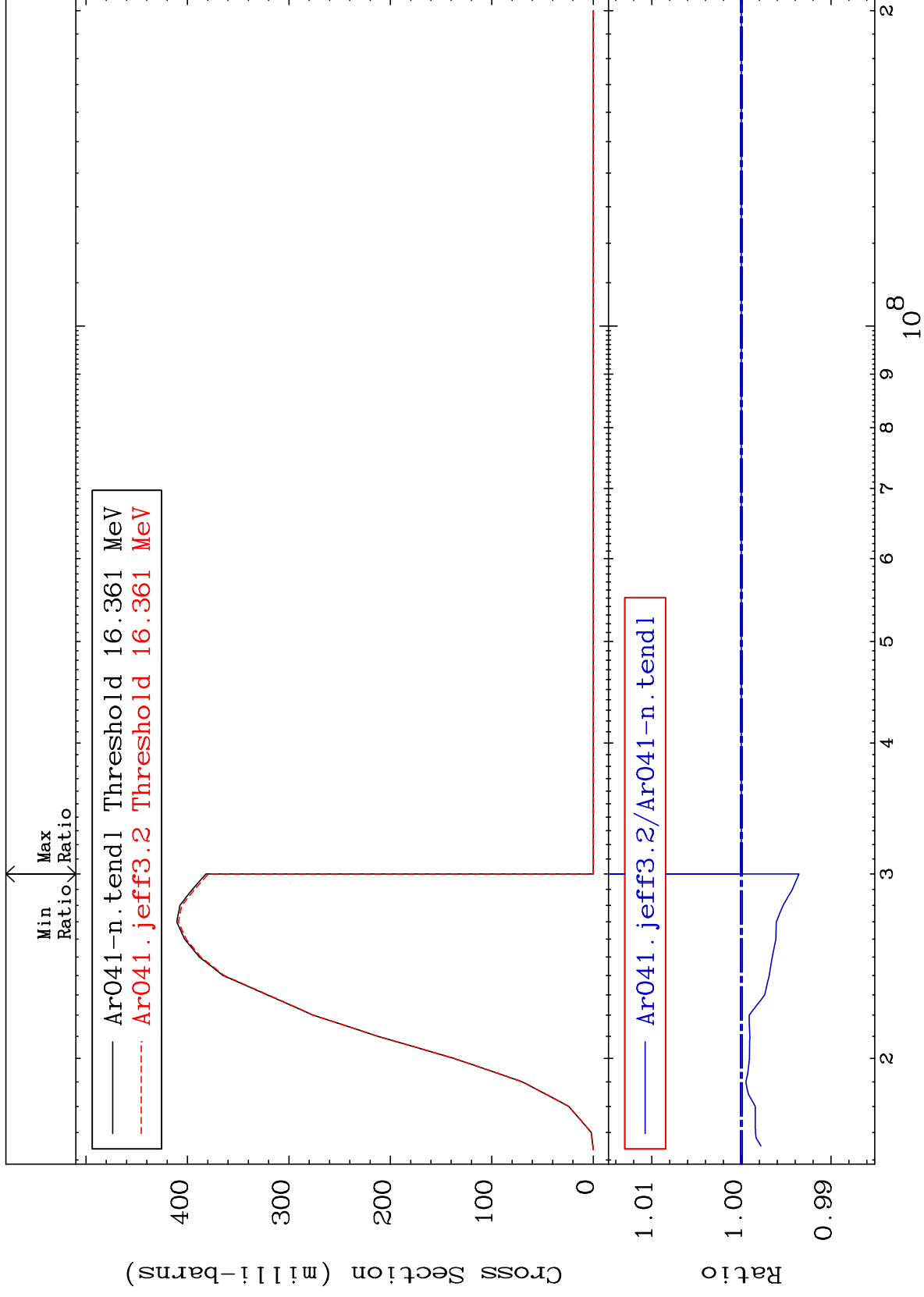
MAT 1840

(n,3n)

18-Ar-41

Cross Section

-0.642 To 0.000 %



6

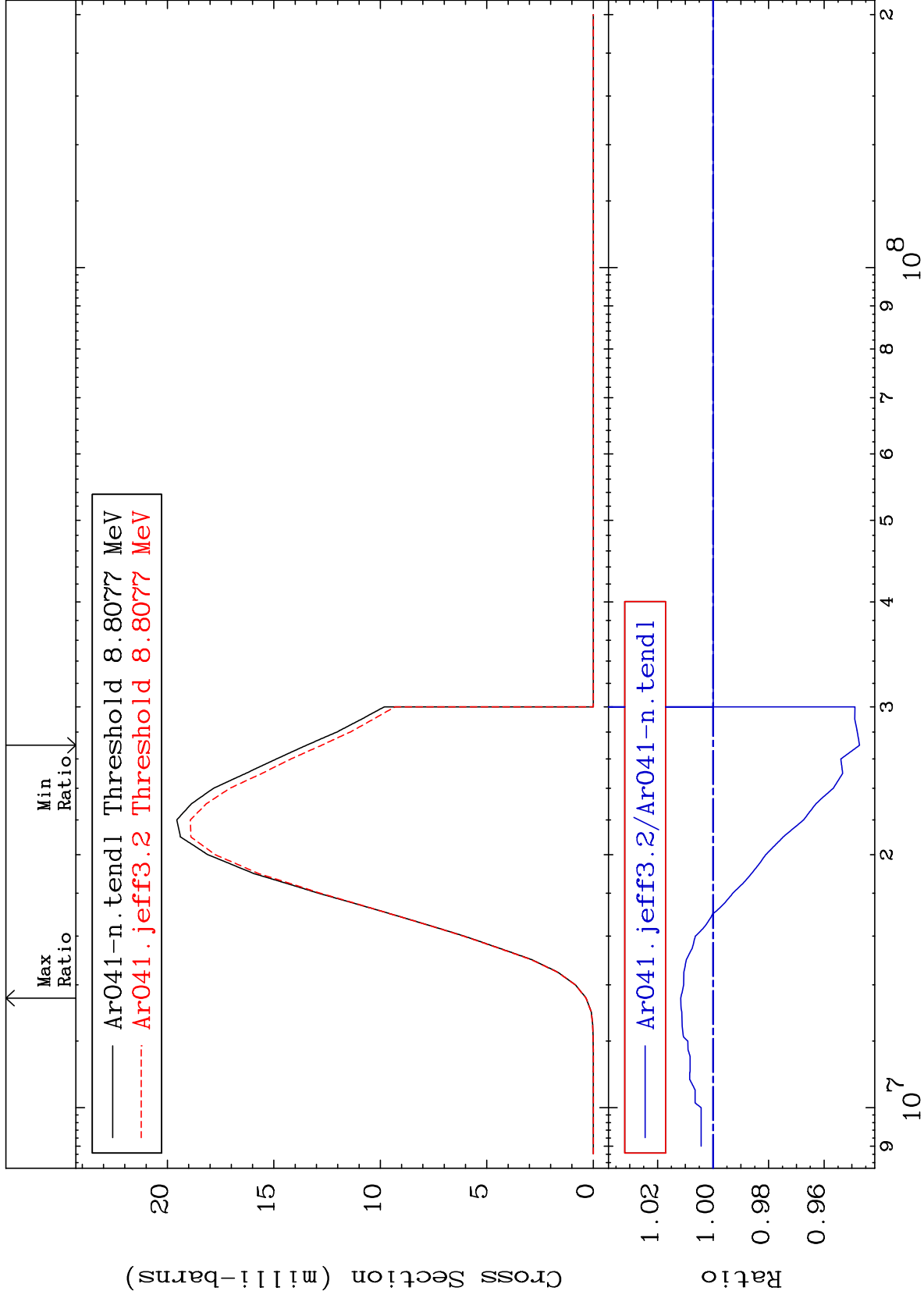
18-Ar-41

18-Ar-41

MAT 1840

(n, n') α
Cross Section

18-Ar-41
-5.275 To 1.165 %



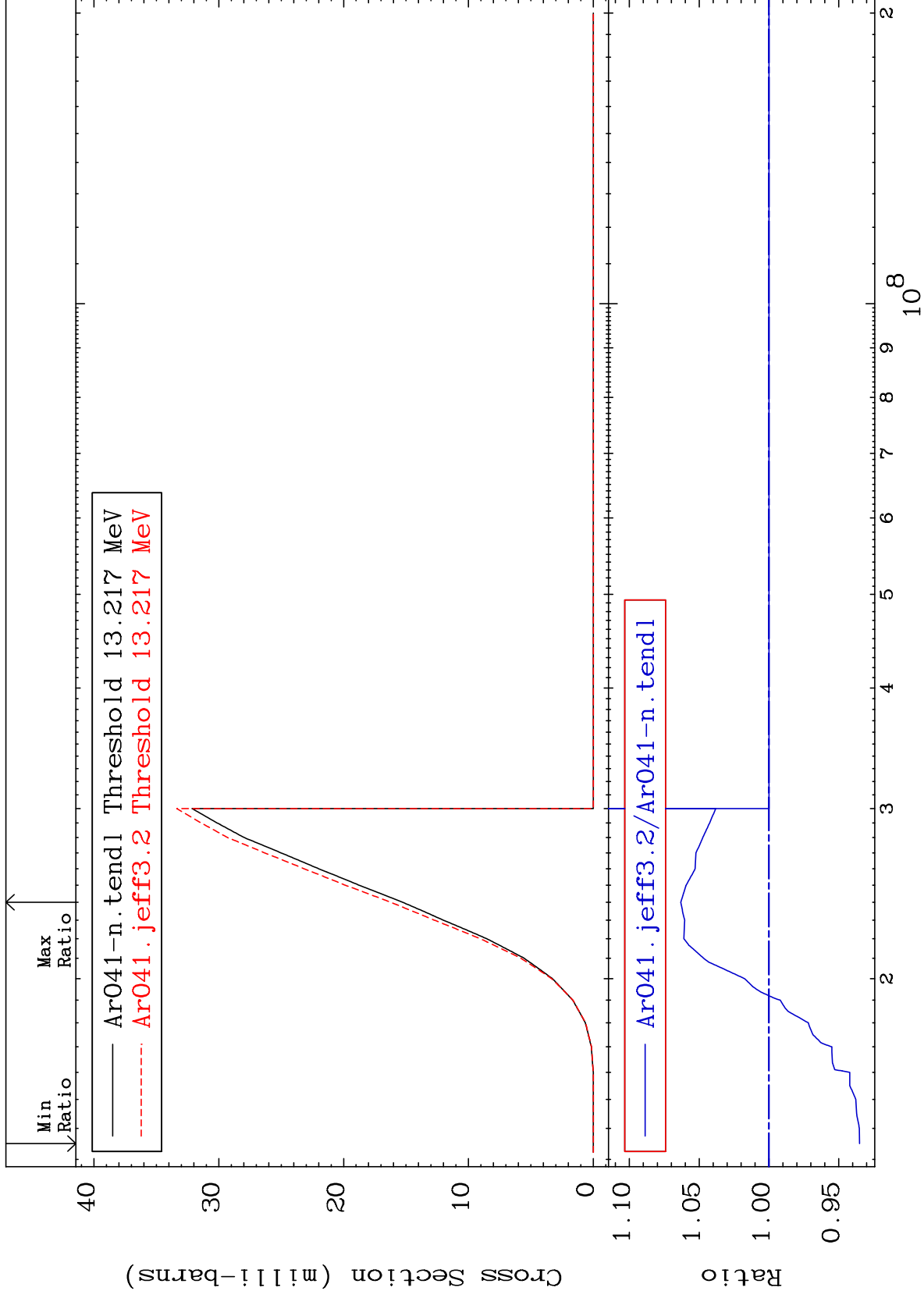
Incident Energy (eV)

18-Ar-41

MAT 1840

(n,2n) α
Cross Section

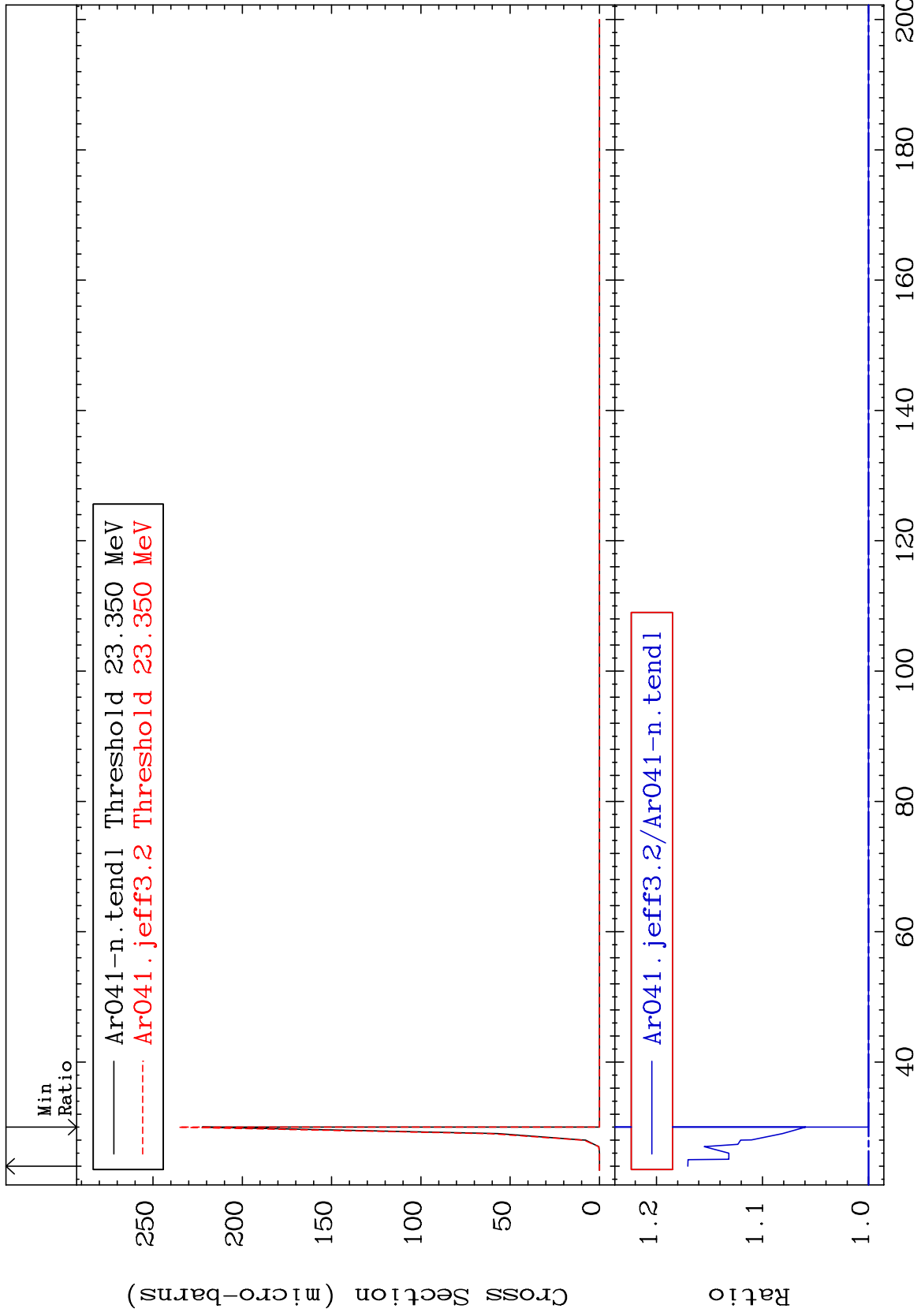
18-Ar-41
-6.497 To 6.318 %



MAT 1840

(n,3n) α
Cross Section

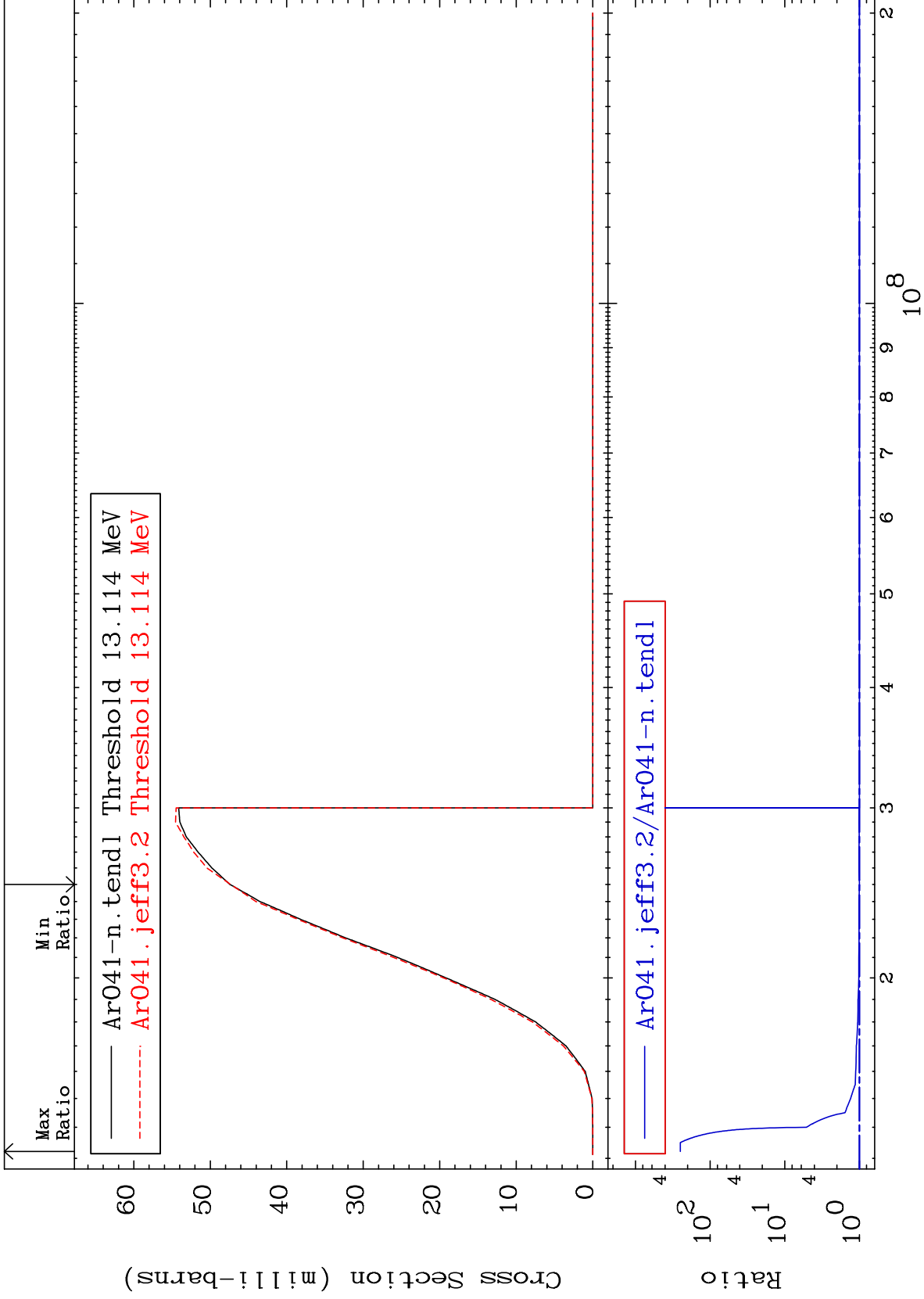
18-Ar-41
0.000 To 17.04 %



MAT 1840

(n,n') p
Cross Section

18-Ar-41
-0.173 To 9999. %



10

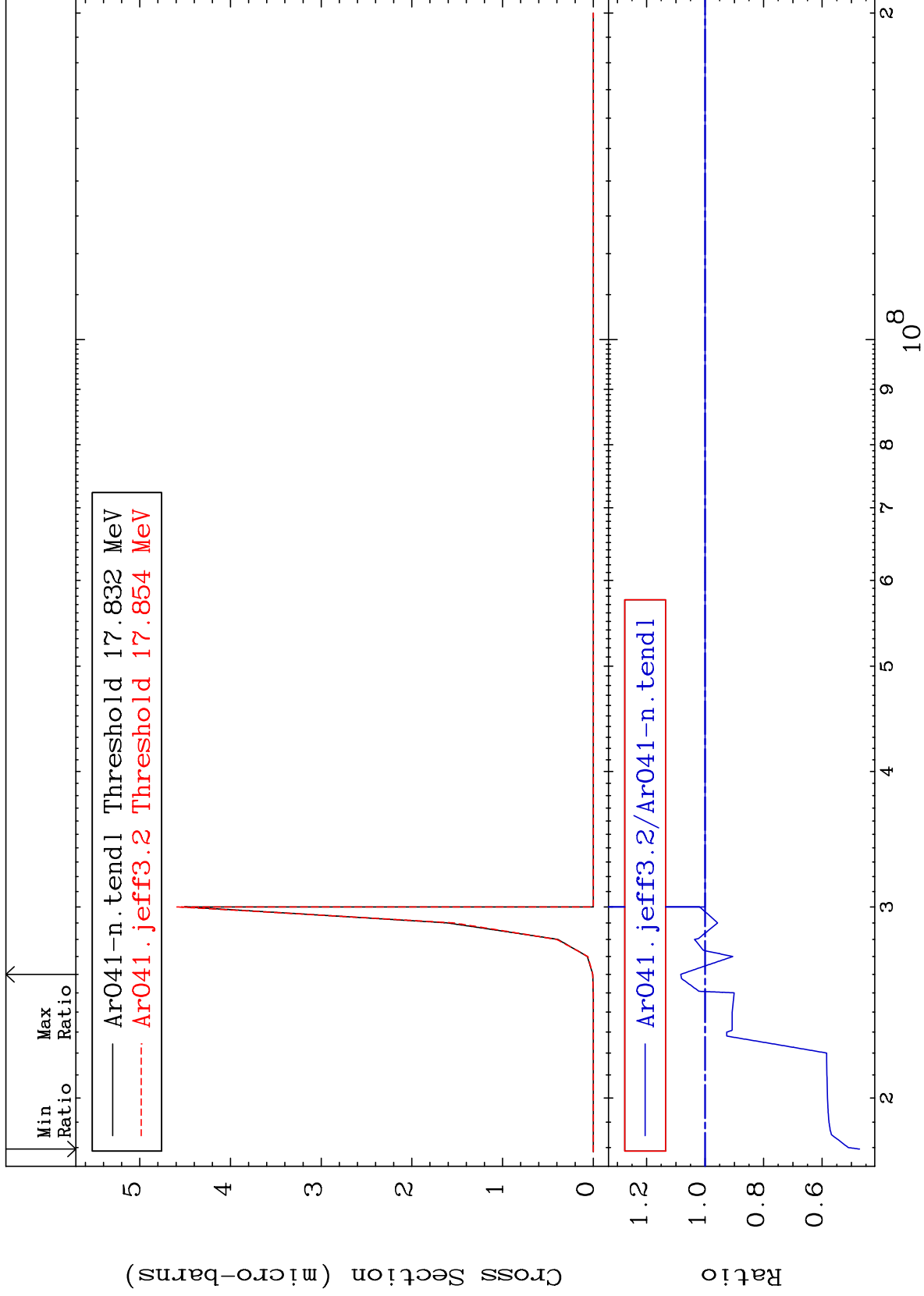
Incident Energy (eV)

18-Ar-41

MAT 1840

(n, n') 2α
Cross Section

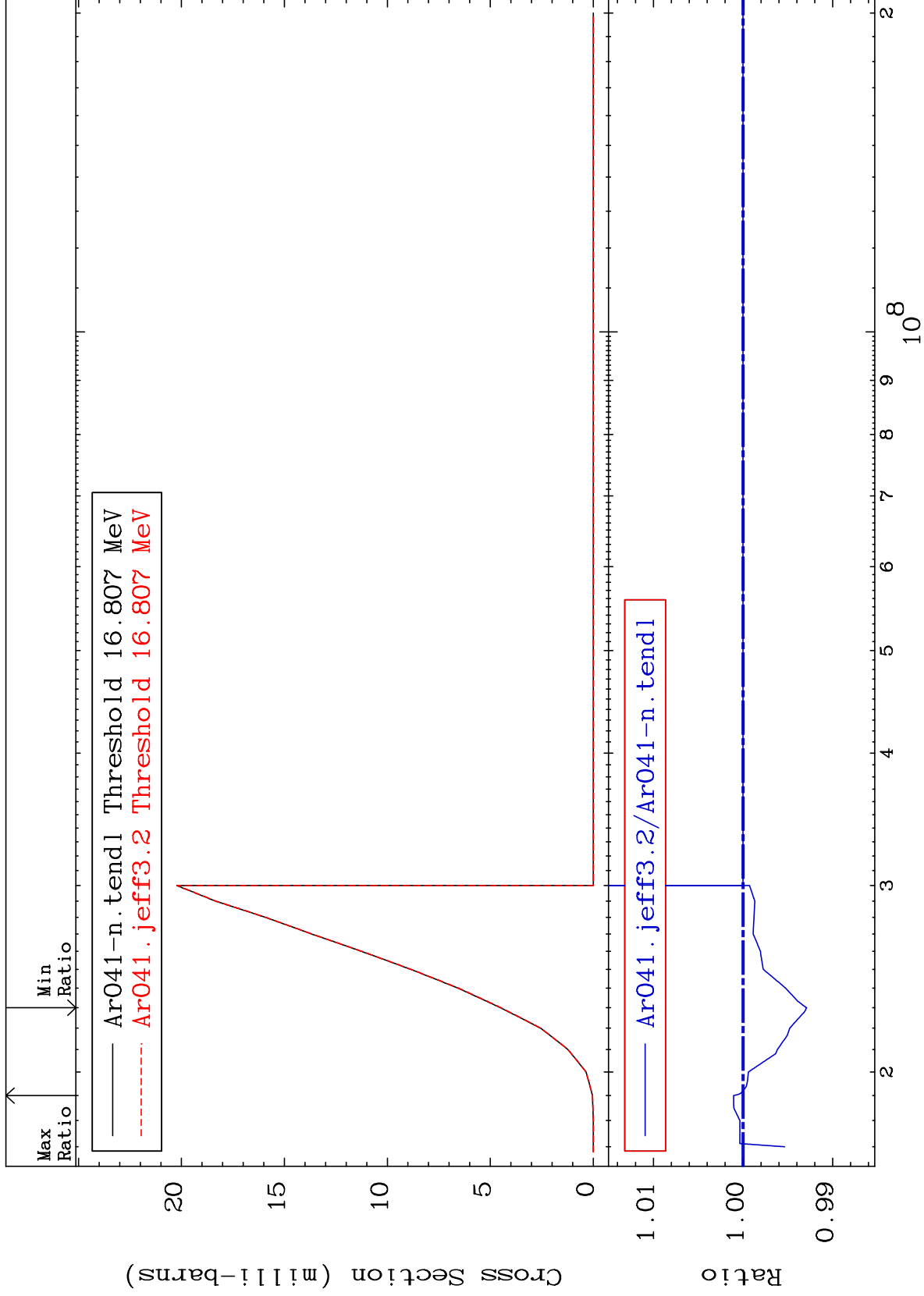
18-Ar-41
-52.79 To 8.320 %



MAT 1840

(n,n') d
Cross Section

18-Ar-41
-0.709 To 0.105 %



12

Incident Energy (eV)

18-Ar-41

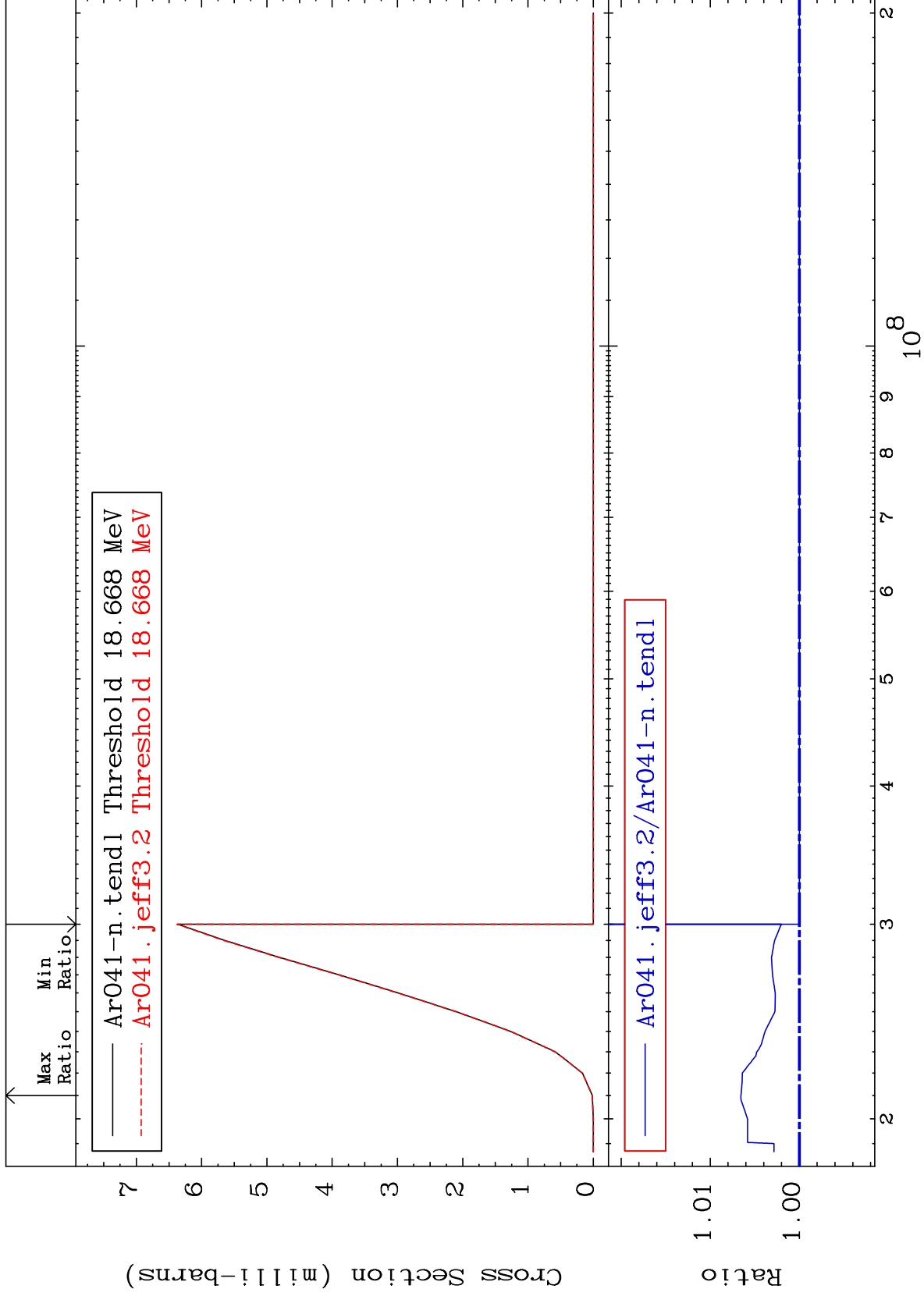
MAT 1840

(n,n') t

18-Ar-41

Cross Section

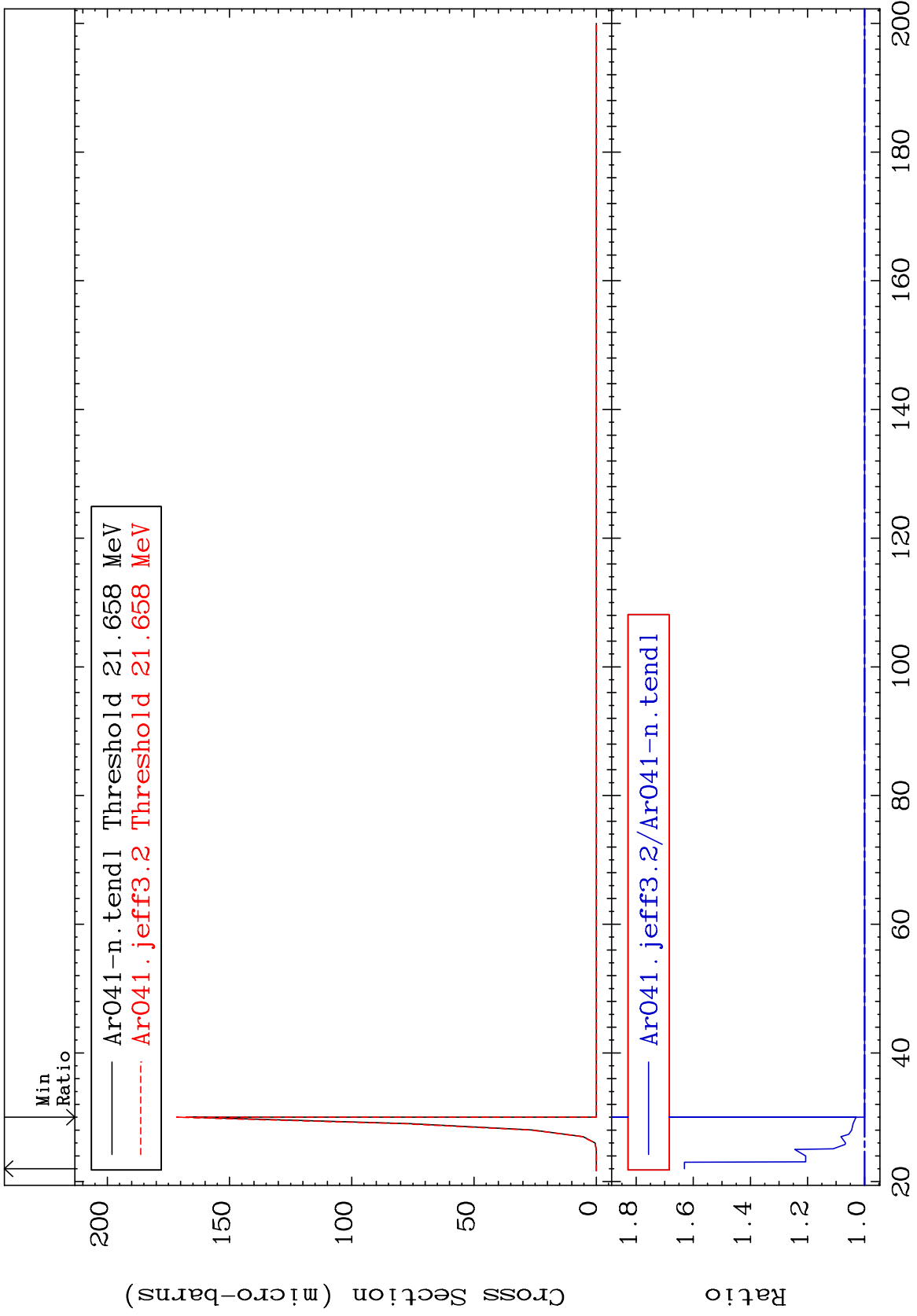
0.000 To 0.655 %



MAT 1840

(n, n') He-3
Cross Section

18-Ar-41
To 63.10 %



MAT 1840

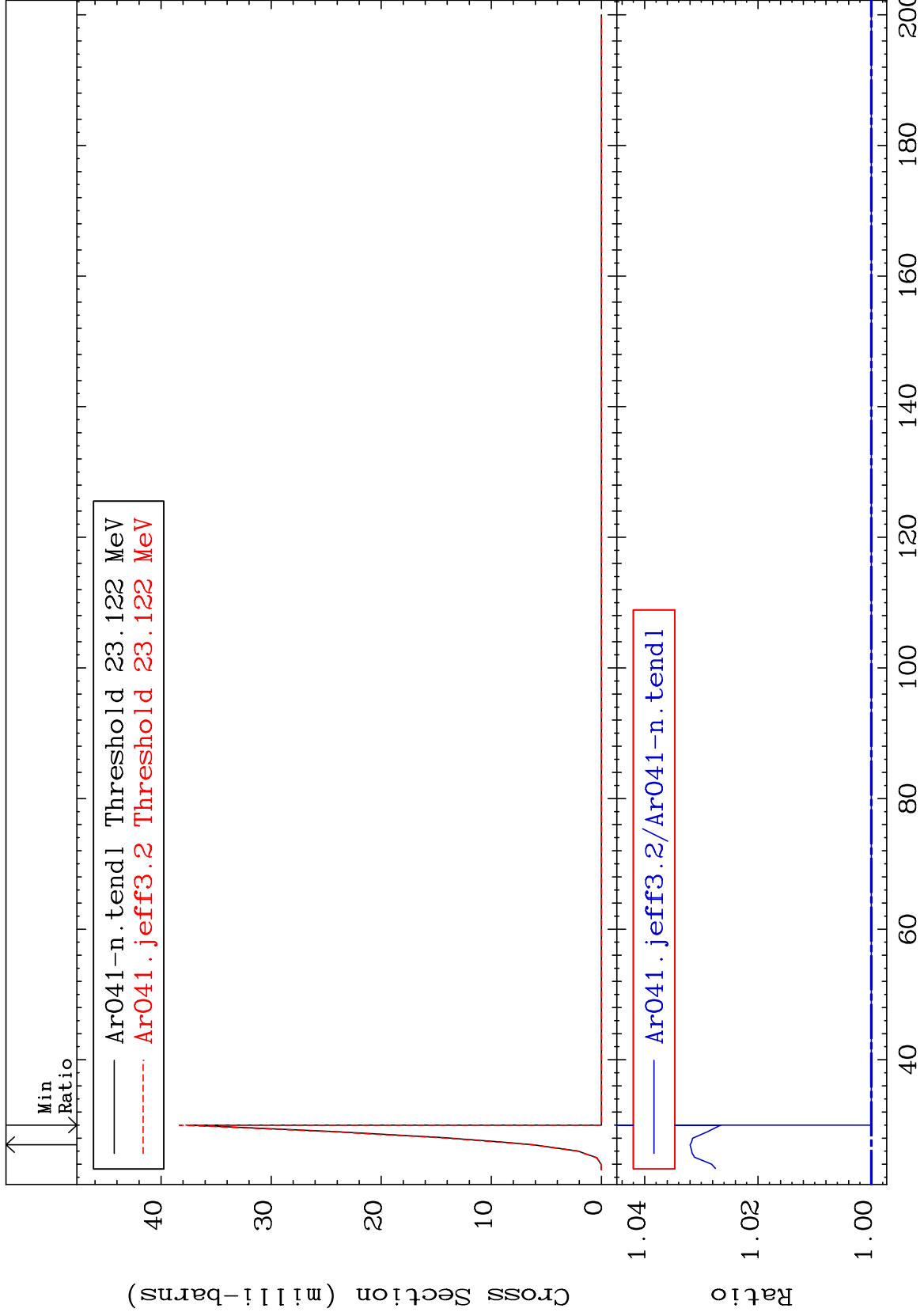
(n,4n)

18-Ar-41

Cross Section

0.000

To 3.198 %



15

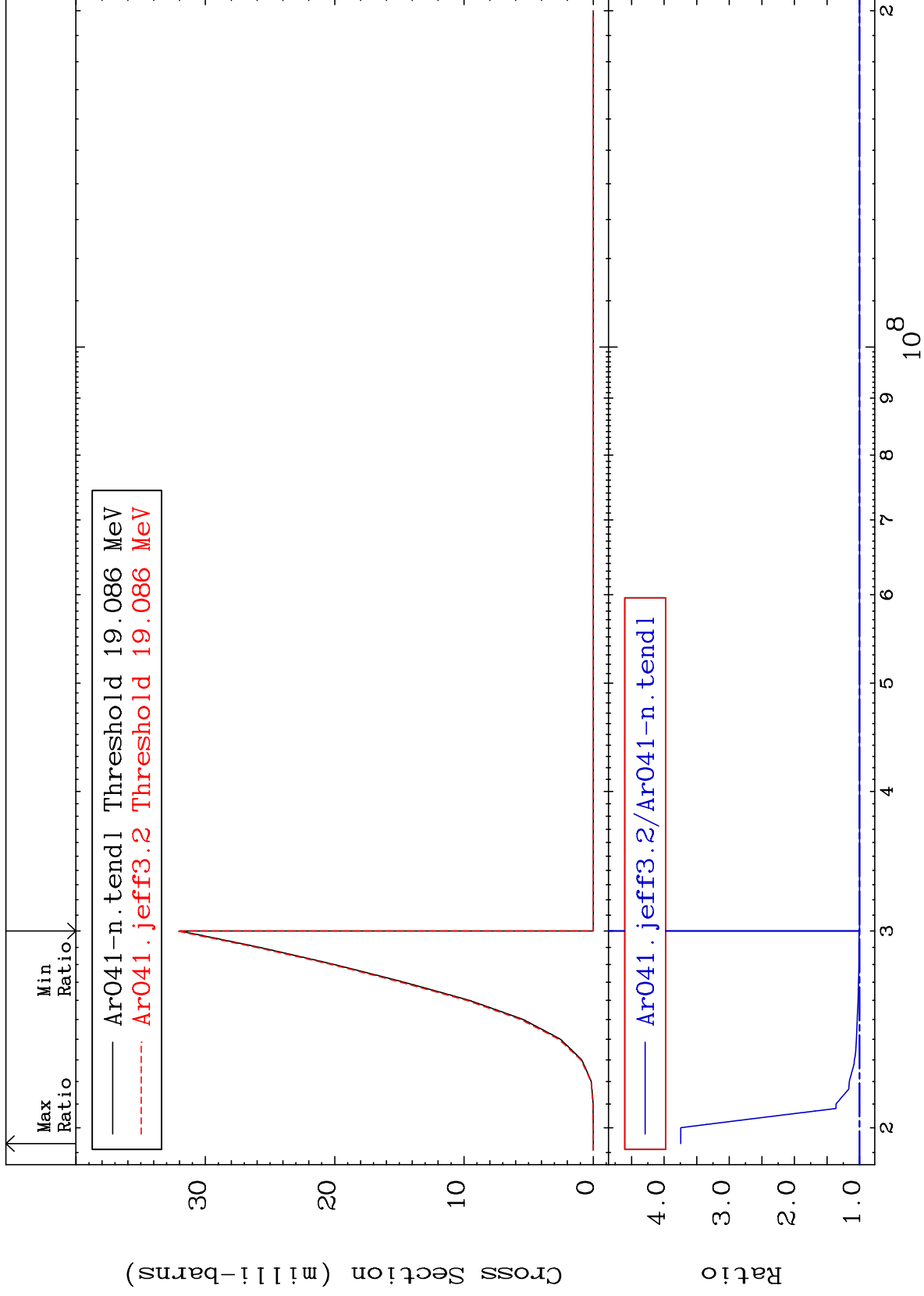
Incident Energy (MeV)

18-Ar-41

MAT 1840

(n,2n) p
Cross Section

18-Ar-41
0.000 To 274.4 %



16

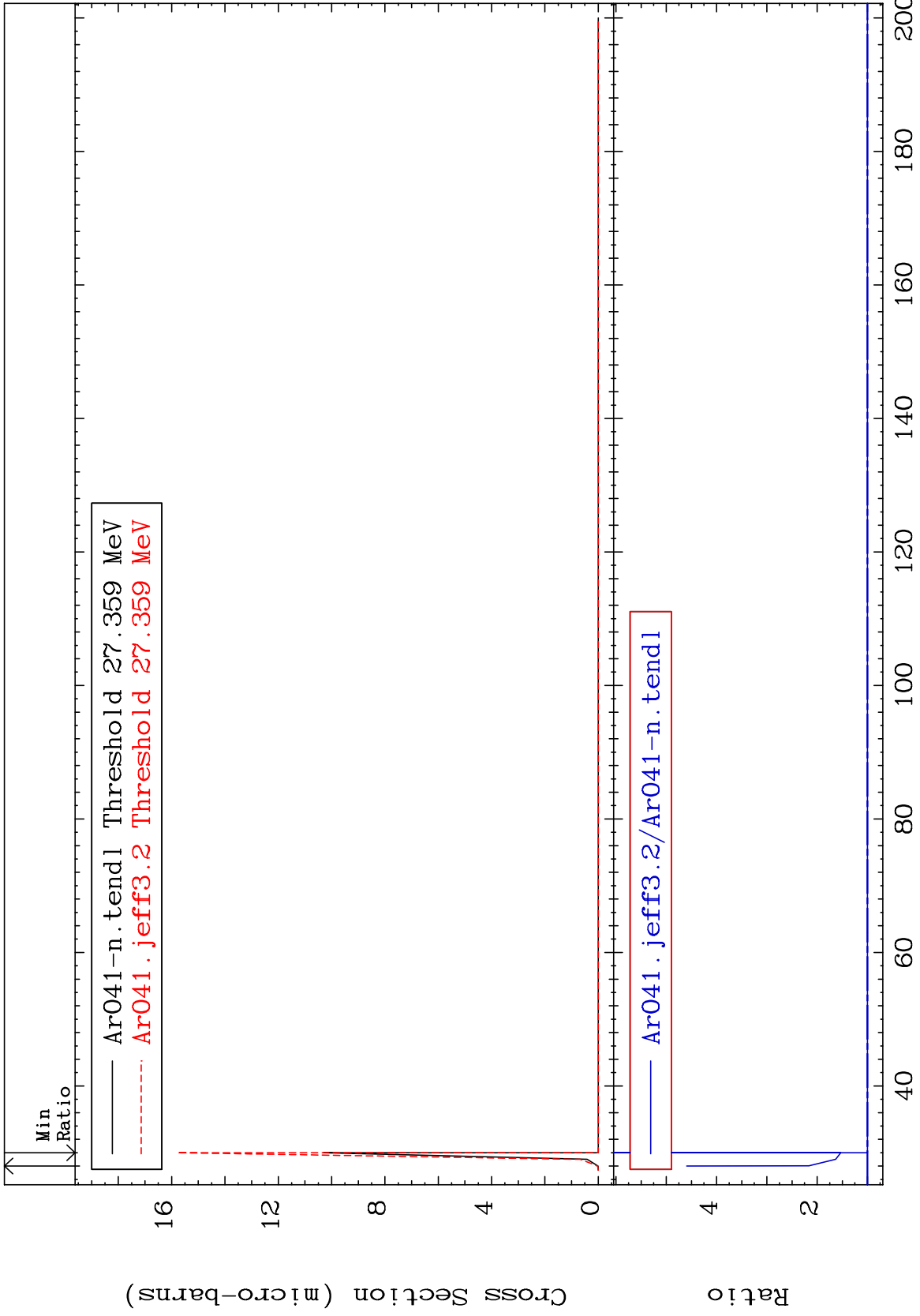
Incident Energy (eV)

18-Ar-41

MAT 1840

(n,3n) p
Cross Section

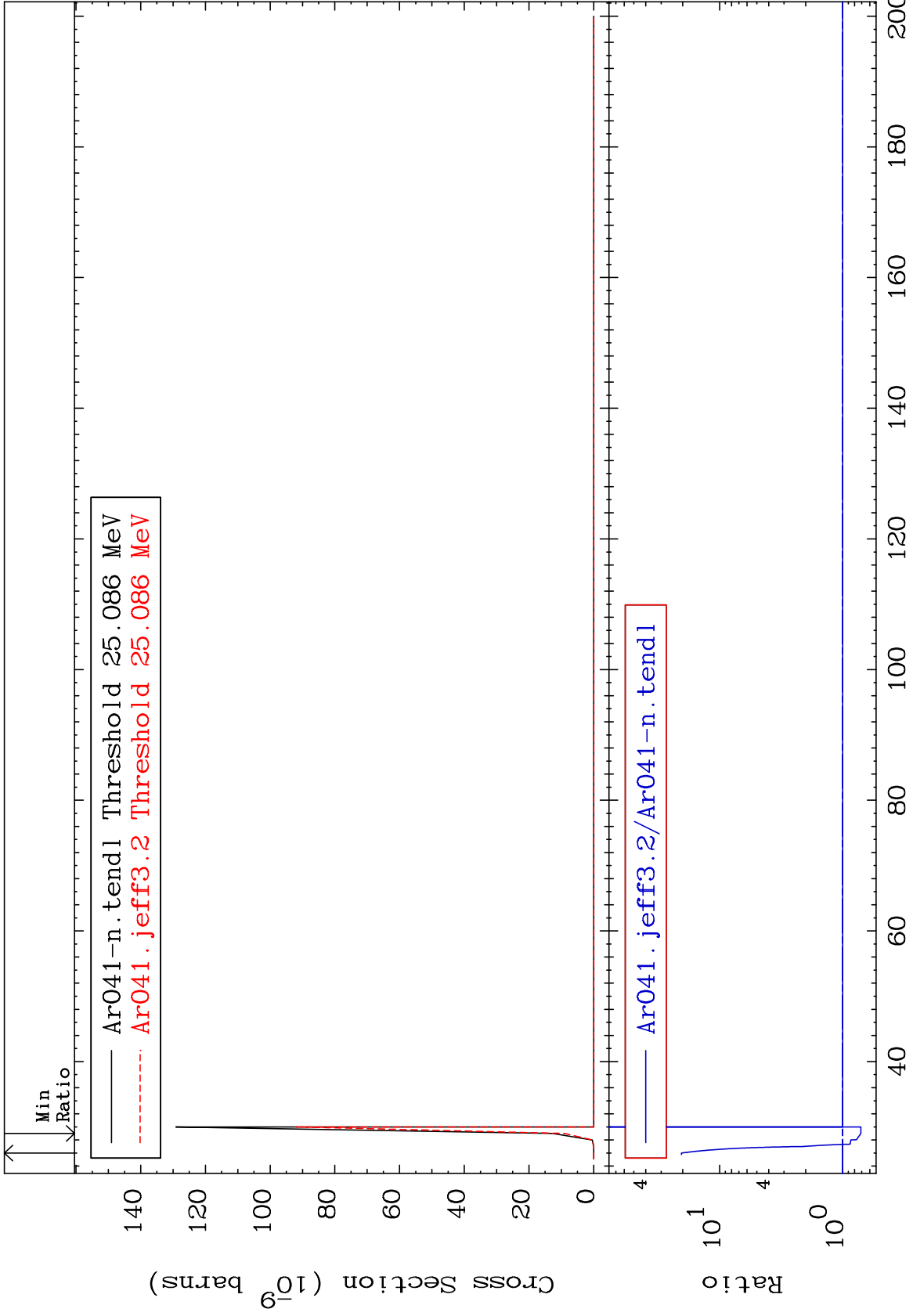
18-Ar-41
To 359.3 %
0.000



MAT 1840

(n,2n) p
Cross Section

18-Ar-41
-28.98 To 1949. %



18

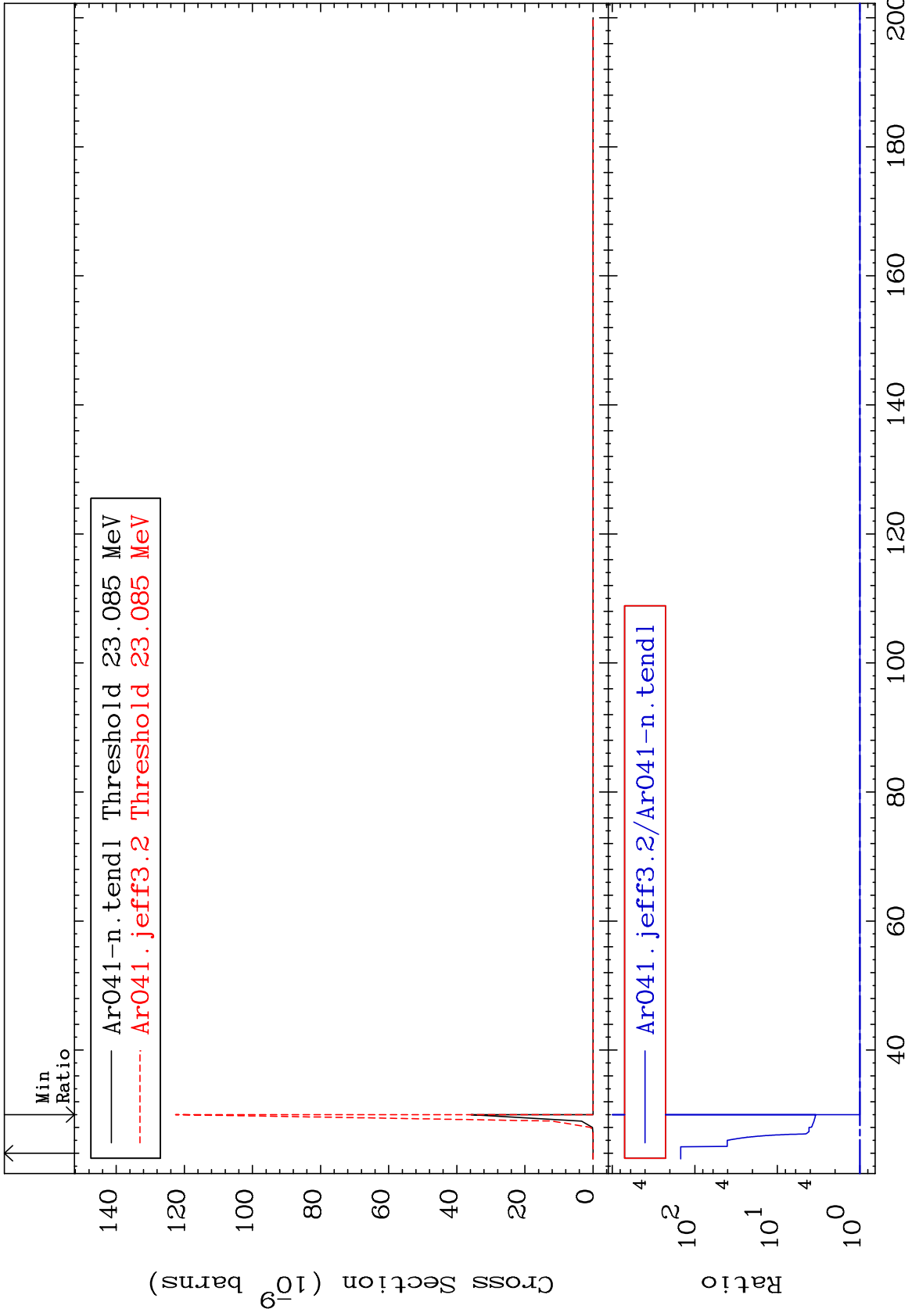
Incident Energy (MeV)

18-Ar-41

MAT 1840

(n,n') p α
Cross Section

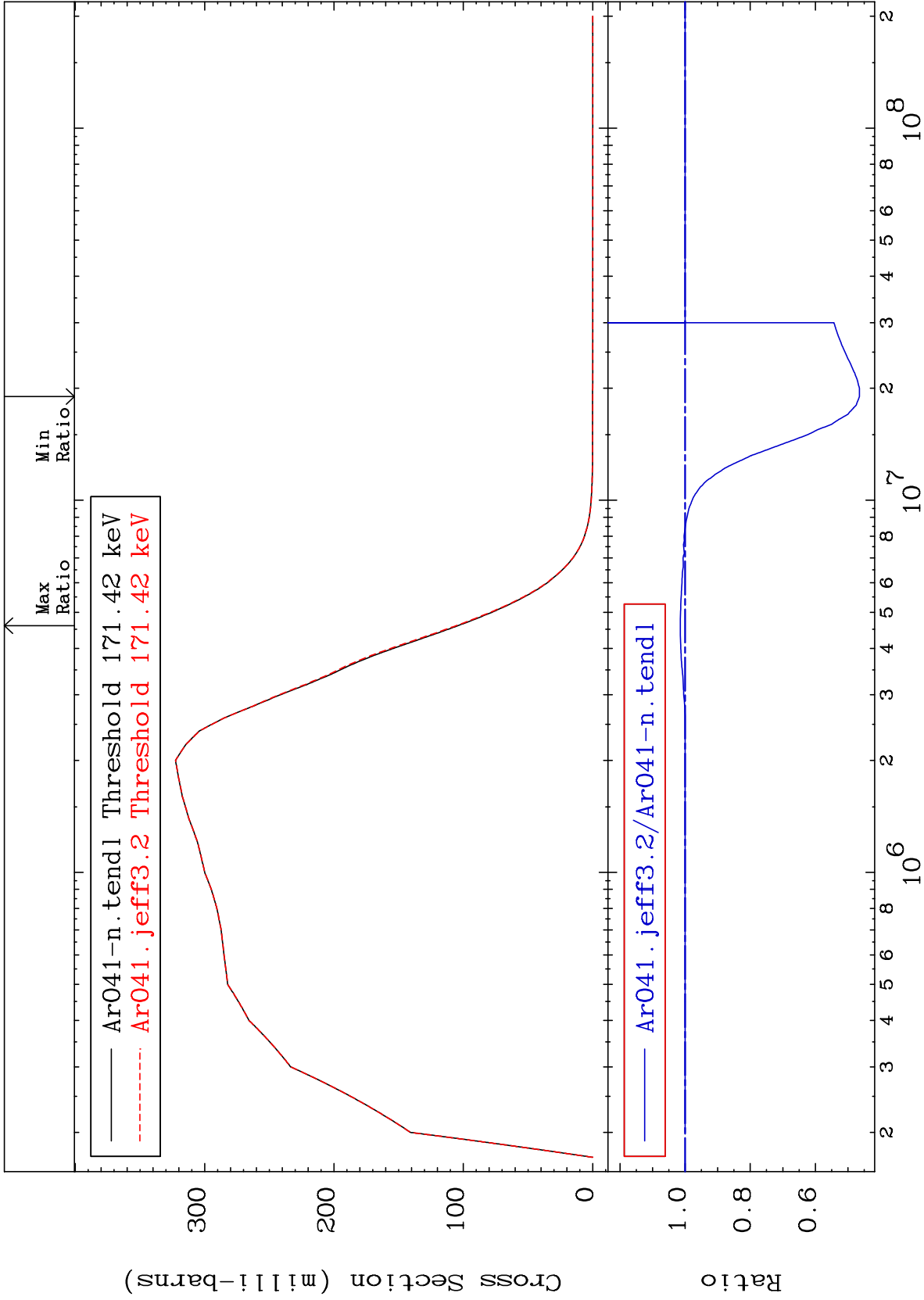
18-Ar-41
0.000 To 9999. %



MAT 1840

167.3 keV (n,n') Level
Cross Section

18-Ar-41
-53.52 To 1.454 %



20

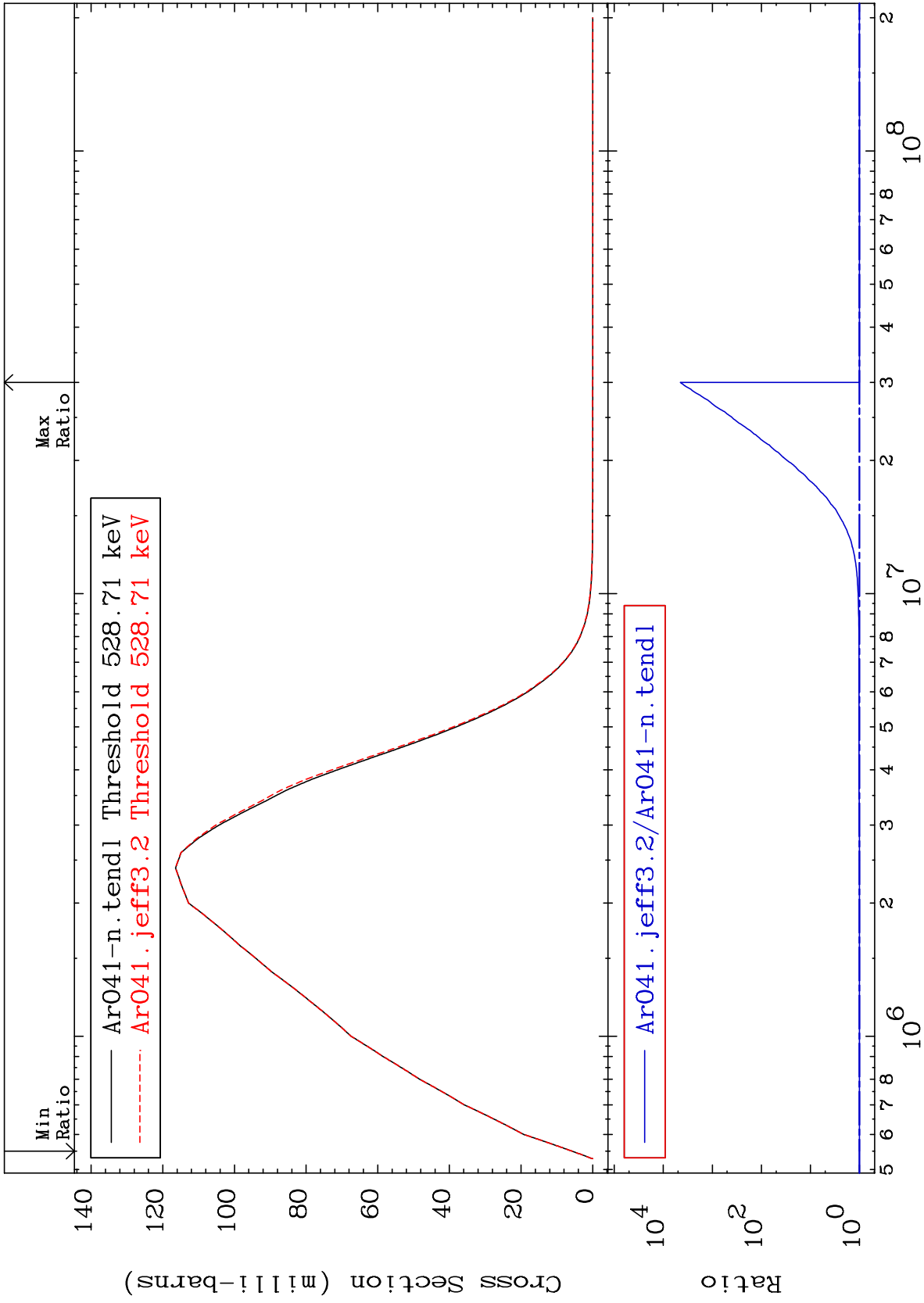
Incident Energy (eV)

18-Ar-41

MAT 1840

516.0 keV (n,n') Level
Cross Section

18-Ar-41
-0.021 To 9999. %



21

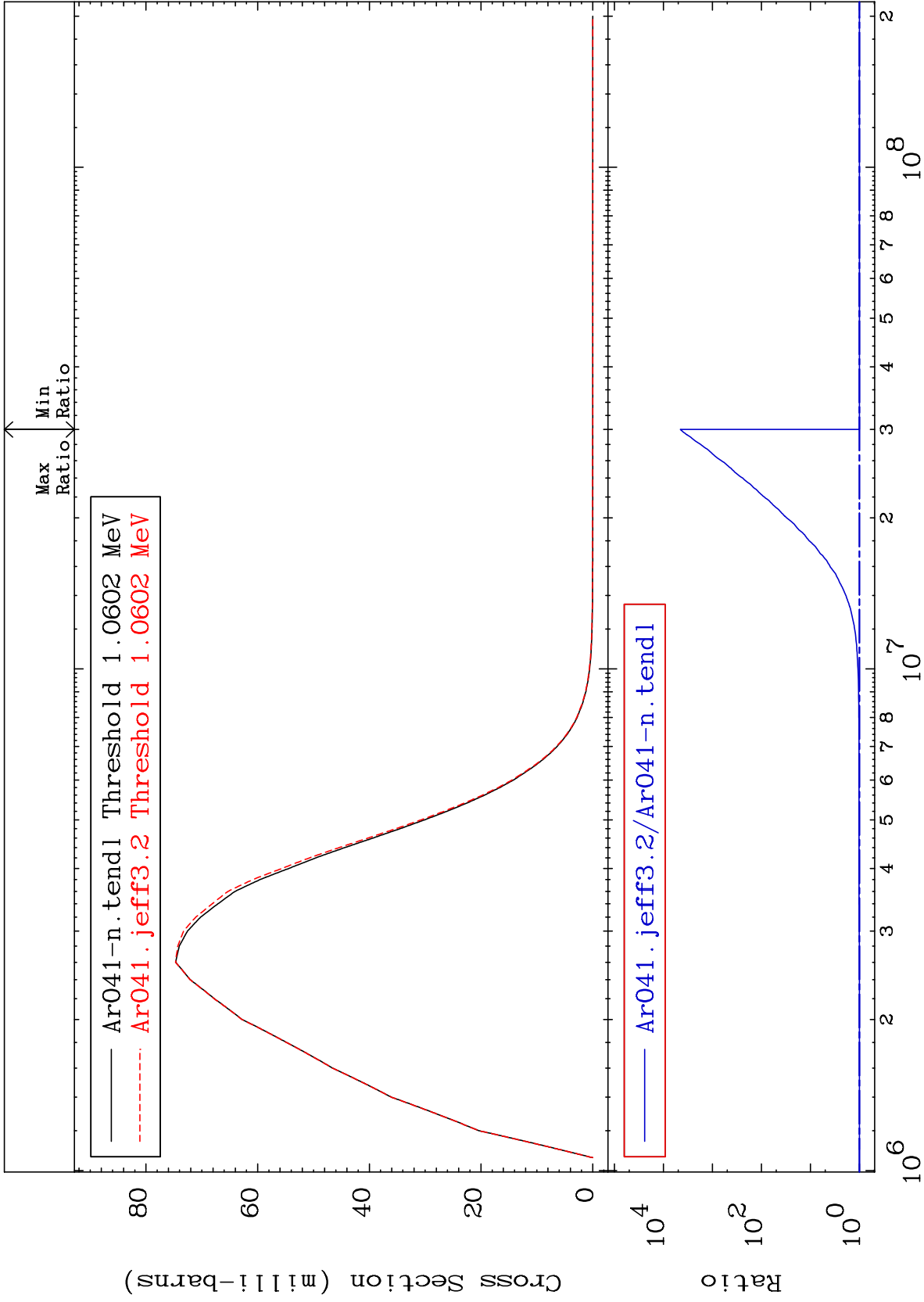
Incident Energy (eV)

18-Ar-41

MAT 1840

1.035 MeV (n,n') Level
Cross Section

18-Ar-41
0.000 To 9999. %



22

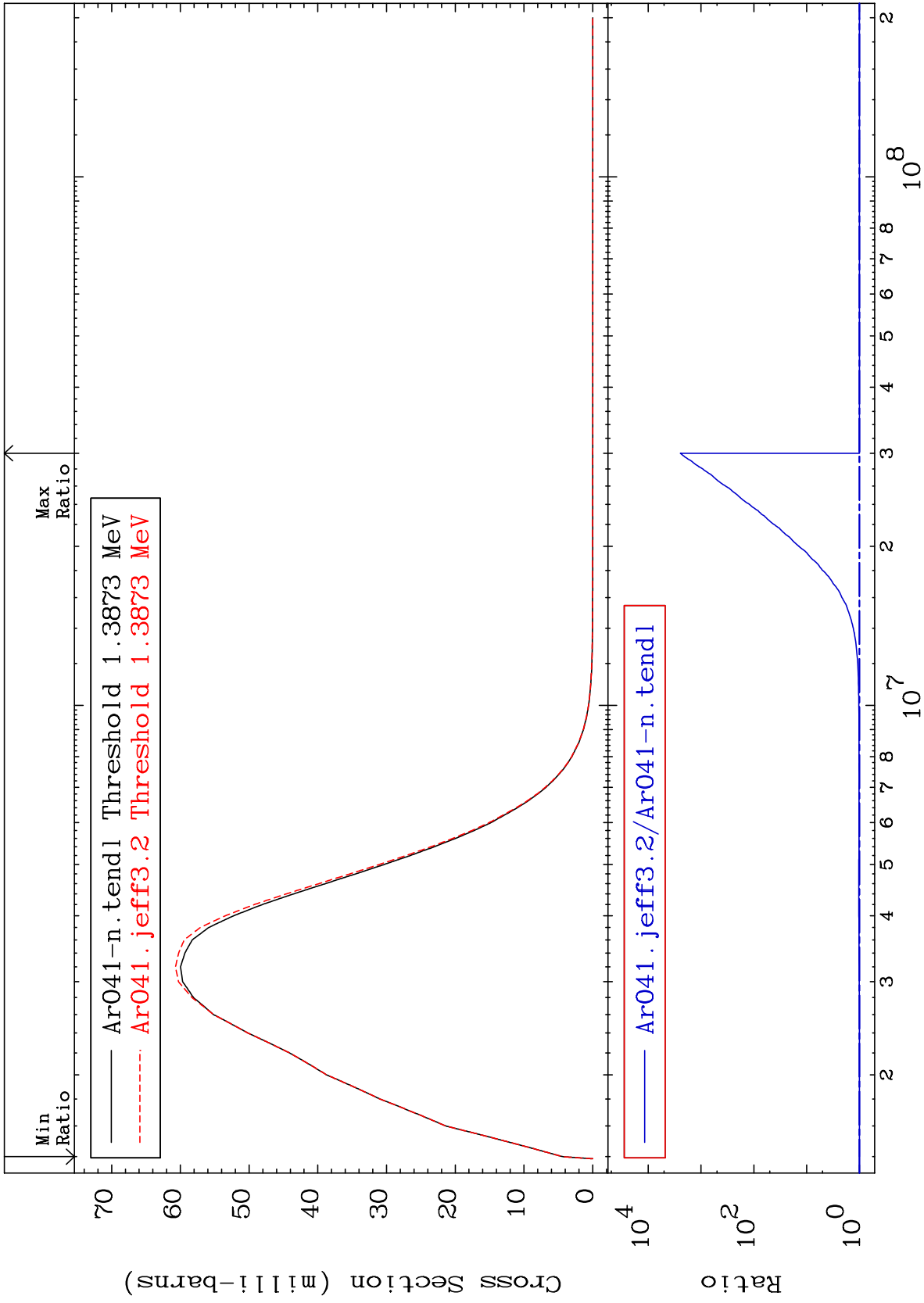
Incident Energy (eV)

18-Ar-41

MAT 1840

1.354 MeV (n,n') Level
Cross Section

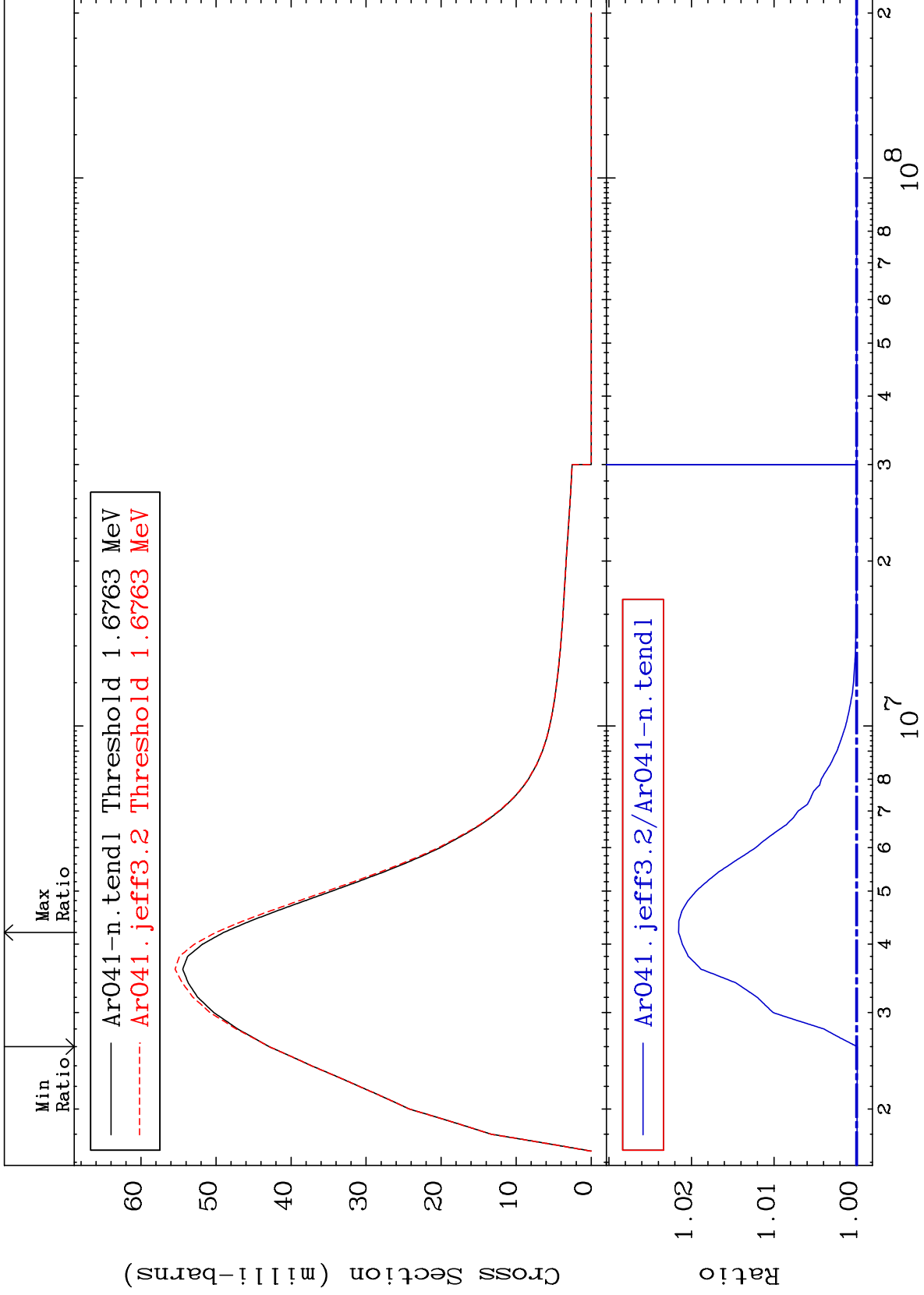
18-Ar-41
-0.011 To 9999. %



MAT 1840

1.636 MeV (n,n') Level
Cross Section

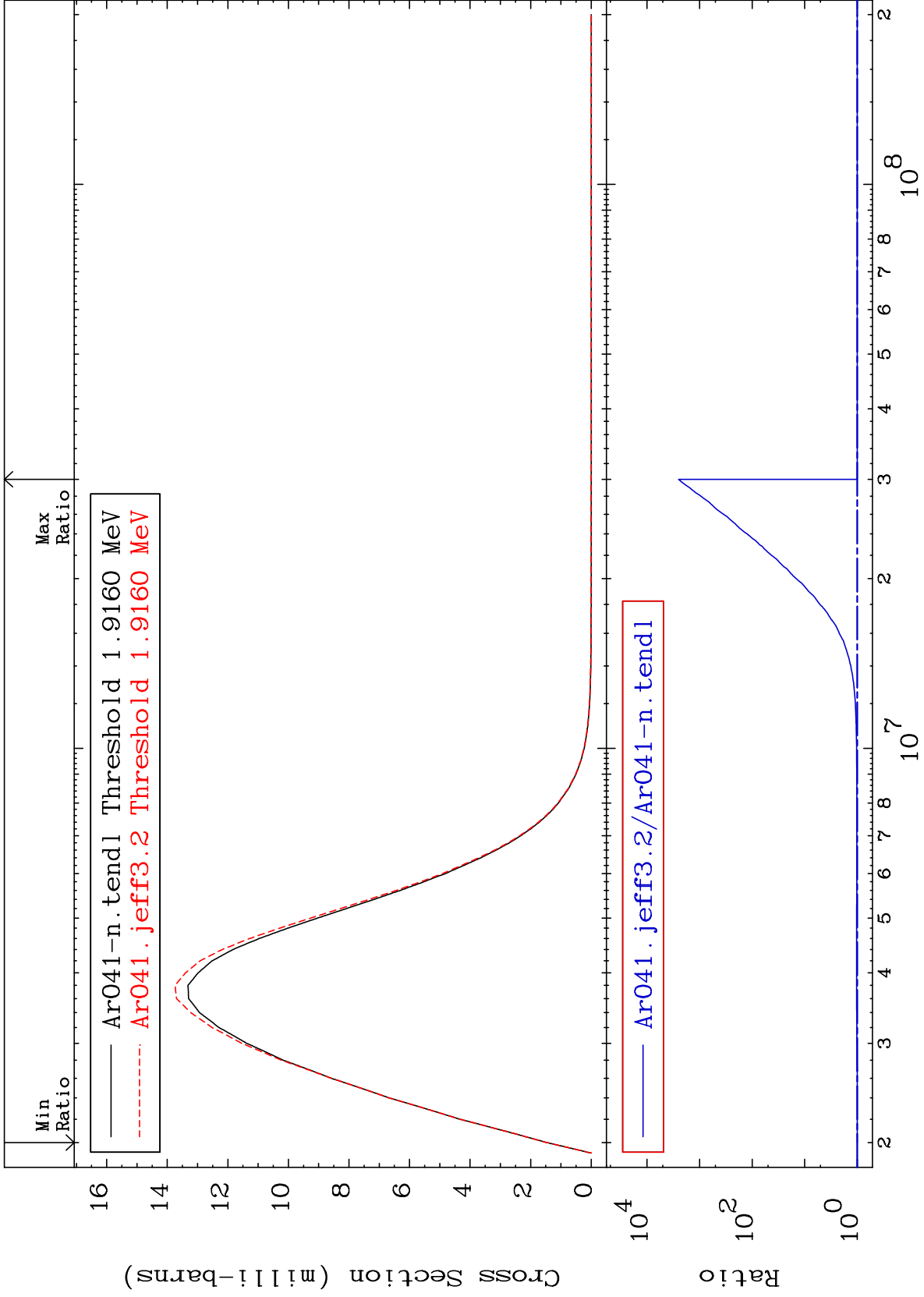
18-Ar-41
-0.008 To 2.155 %



MAT 1840

1.870 MeV (n,n') Level
Cross Section

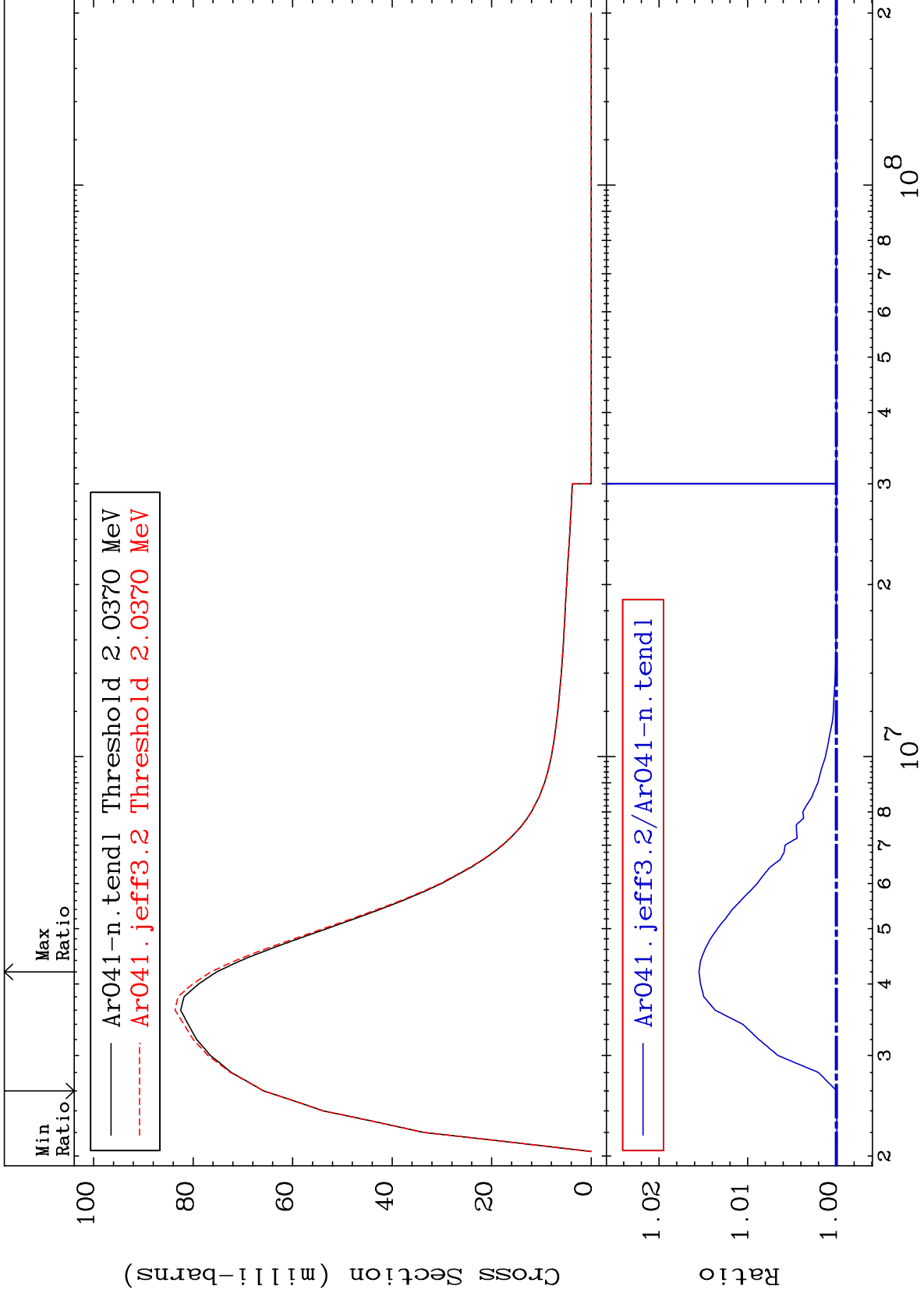
18-Ar-41
-0.017 To 9999. %



MAT 1840

1.988 MeV (n,n') Level
Cross Section

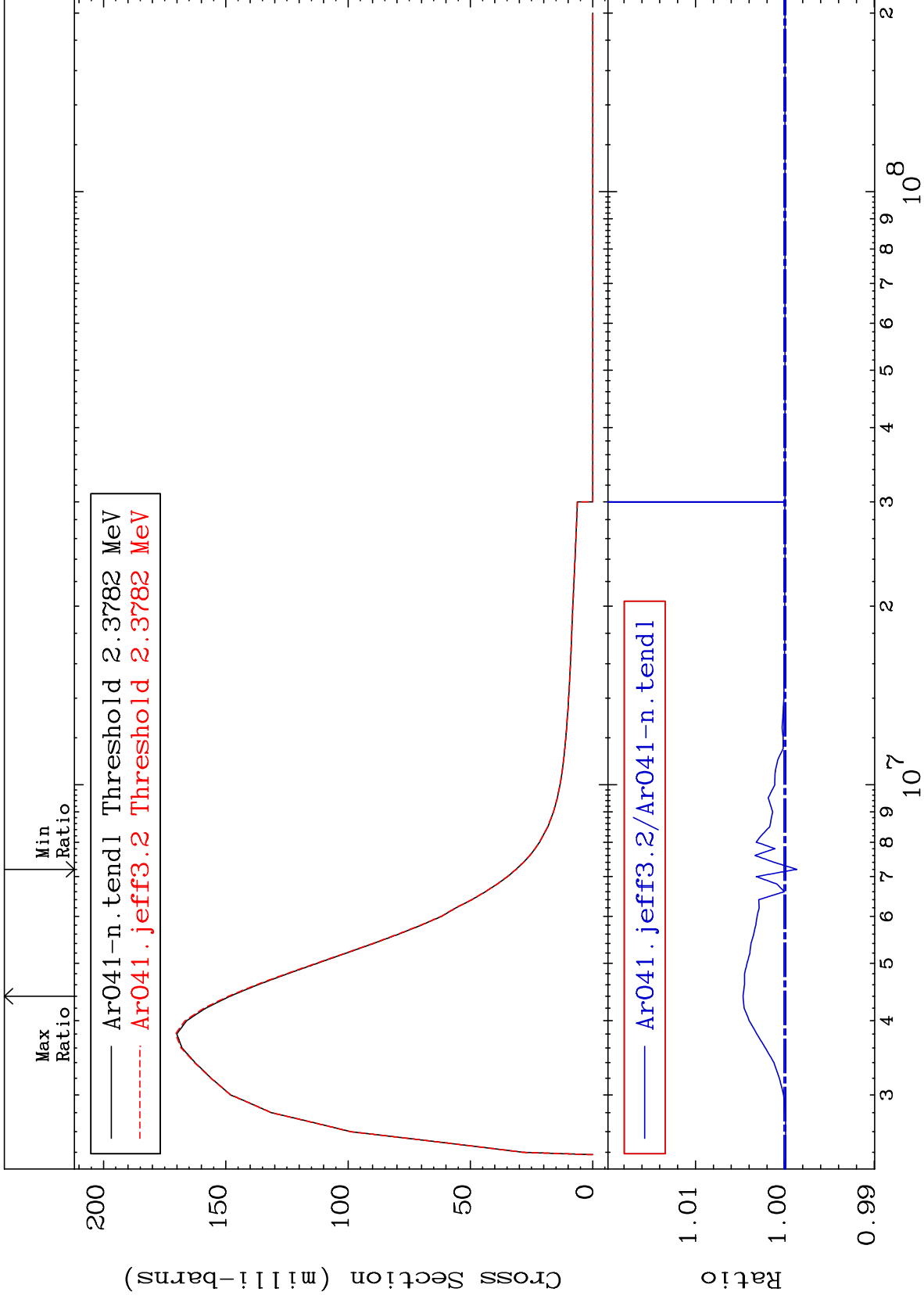
18-Ar-41
-0.007 To 1.550 %



MAT 1840

2.321 MeV (n,n') Level
Cross Section

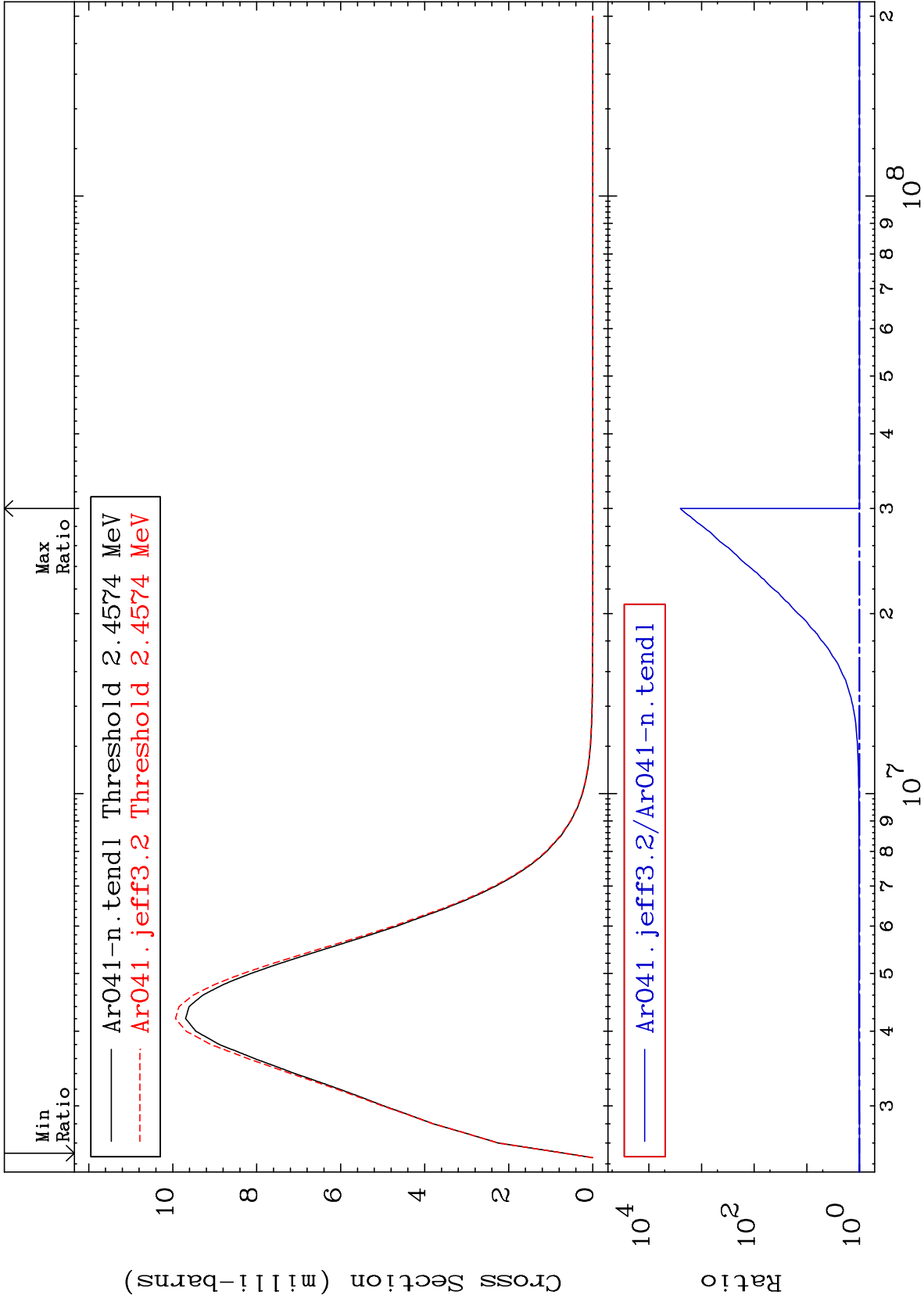
18-Ar-41
-0.133 To 0.469 %

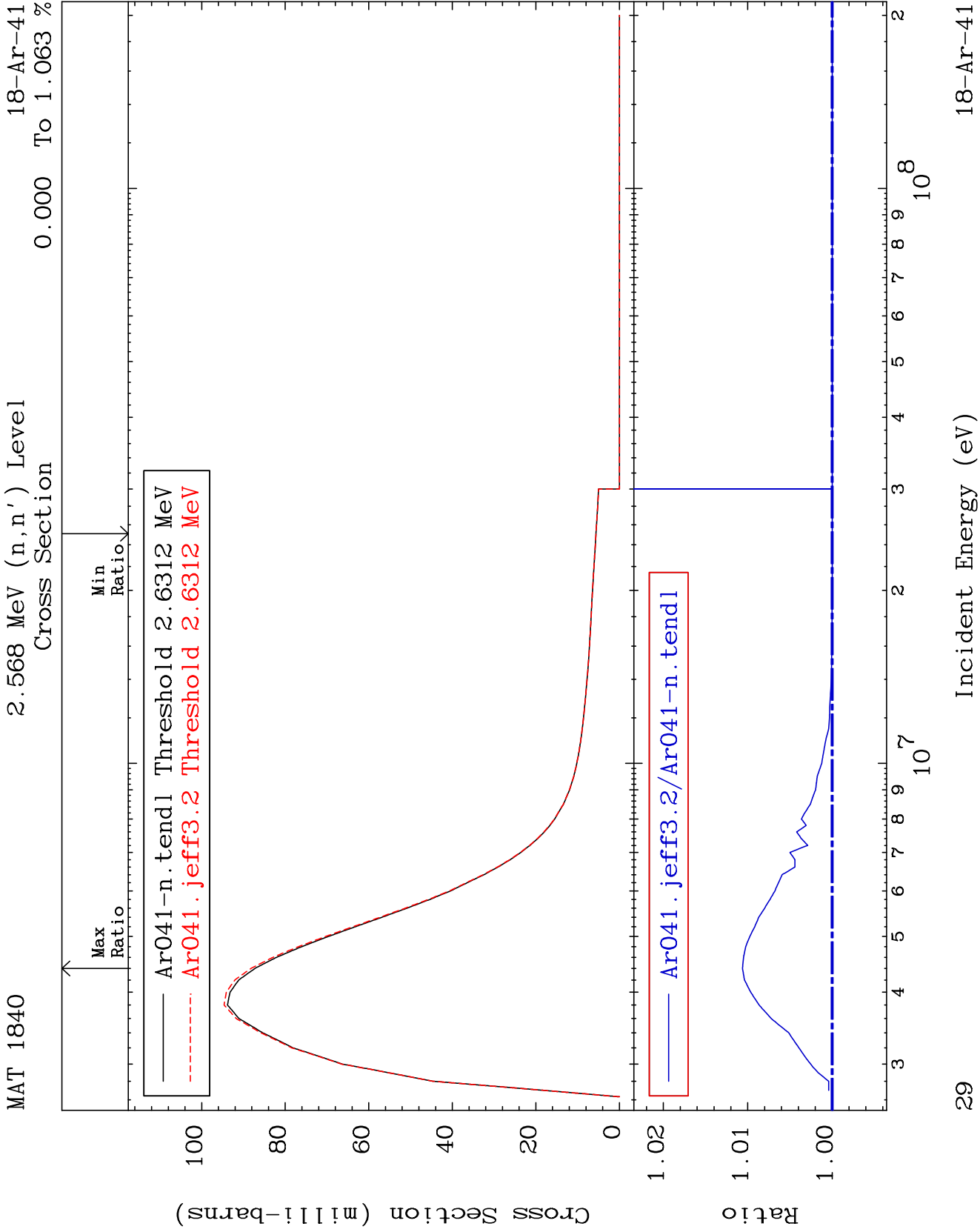


MAT 1840

2.398 MeV (n,n') Level
Cross Section

18-Ar-41
0.000 To 9999. %



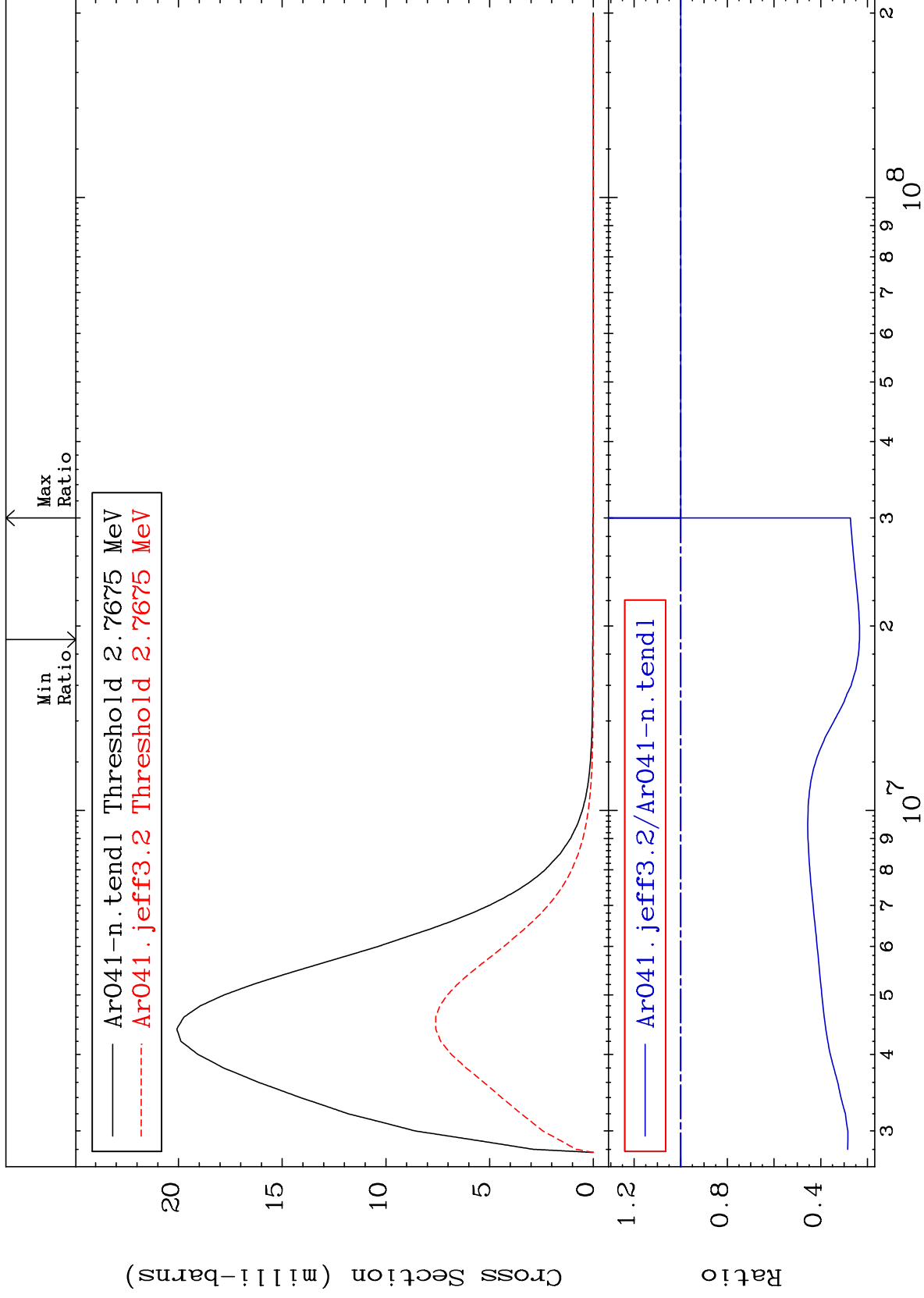


MAT 1840

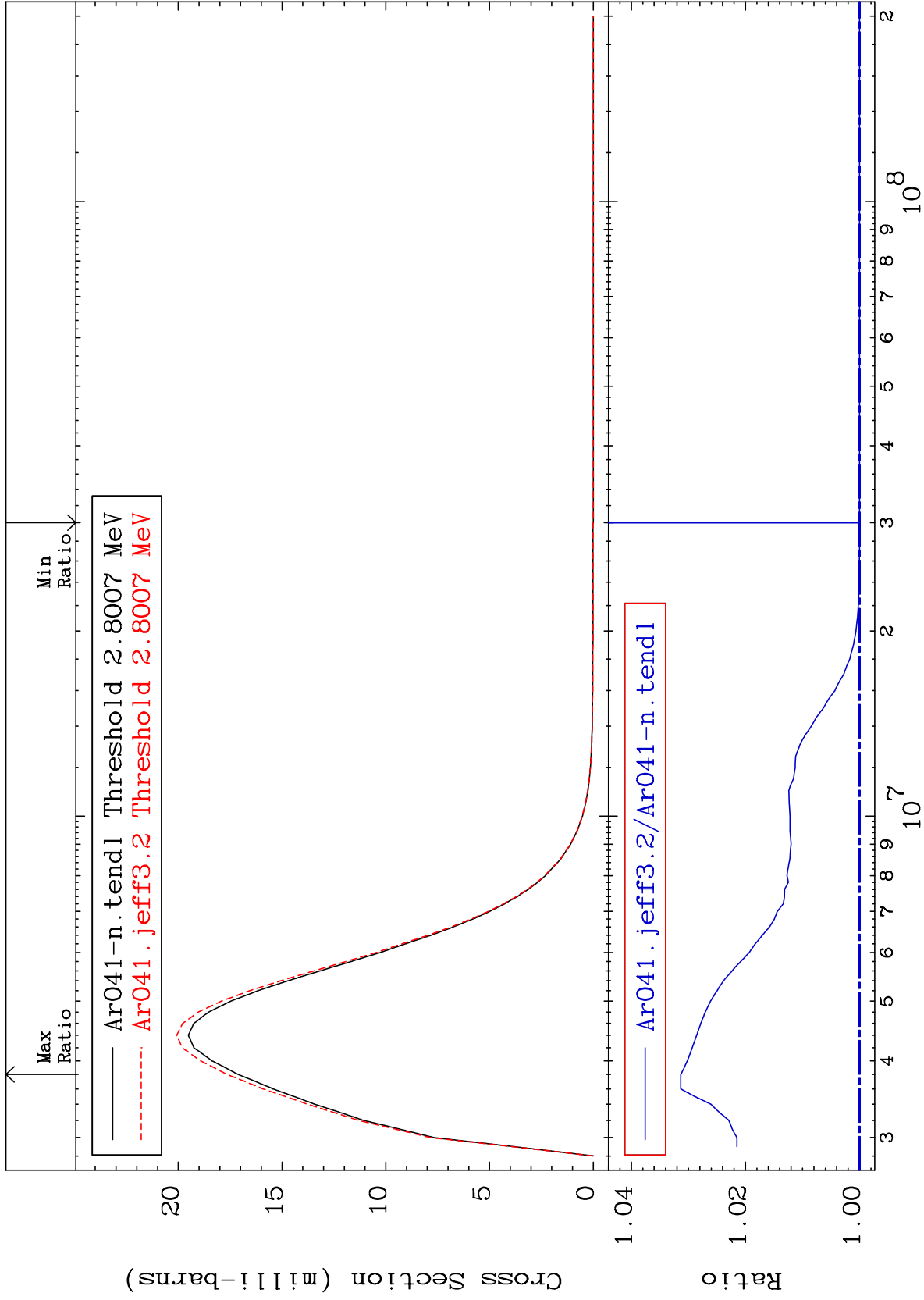
2.701 MeV (n,n') Level

18-Ar-41

-76.64 To 0.000 %



MAT 1840 2.733 MeV (n,n') Level 18-Ar-41
 Cross Section 0.000 To 3.134 %

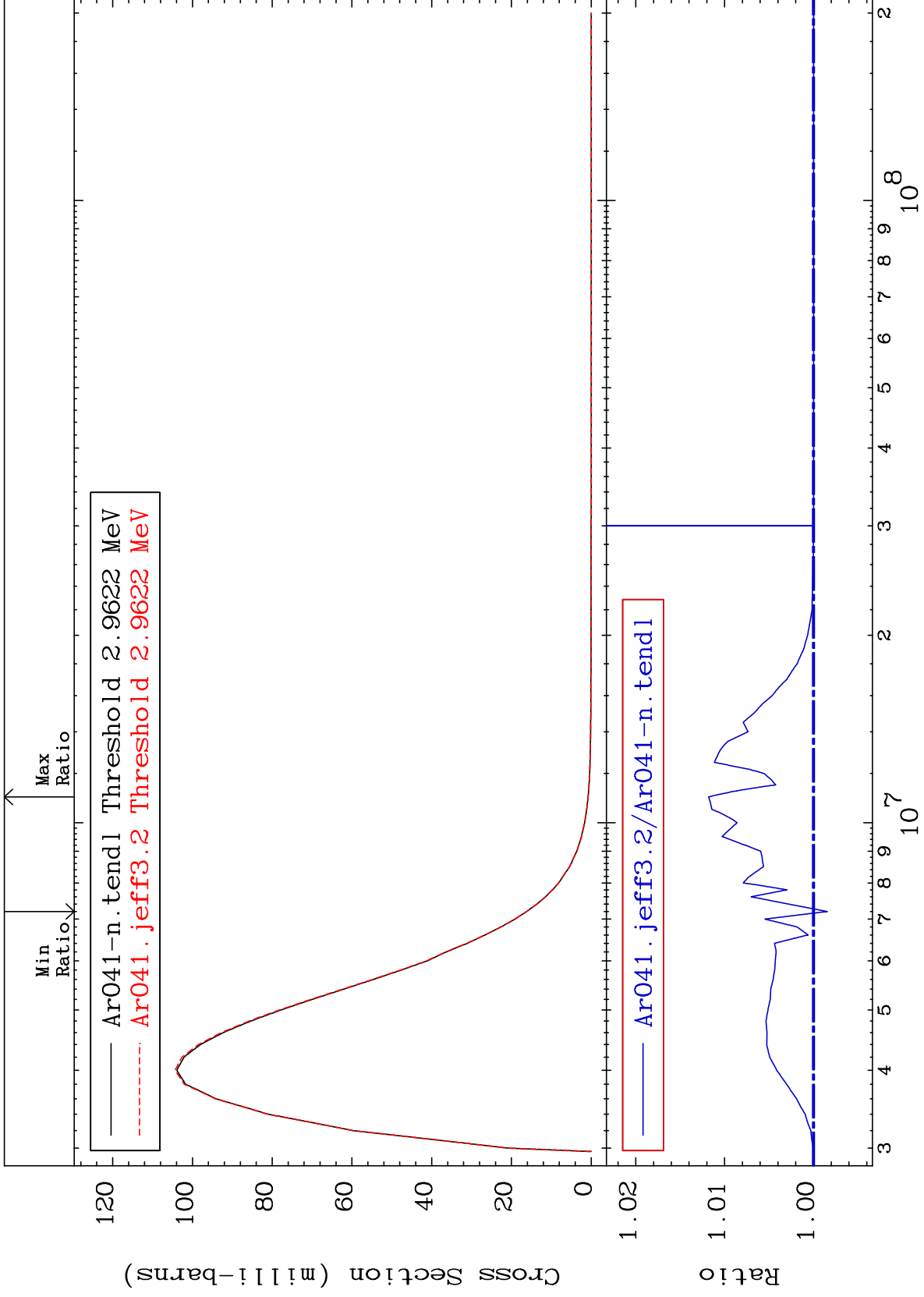


31 Incident Energy (eV) 18-Ar-41

MAT 1840

2.891 MeV (n,n') Level
Cross Section

18-Ar-41
-0.156 To 1.181 %



32

Incident Energy (eV)

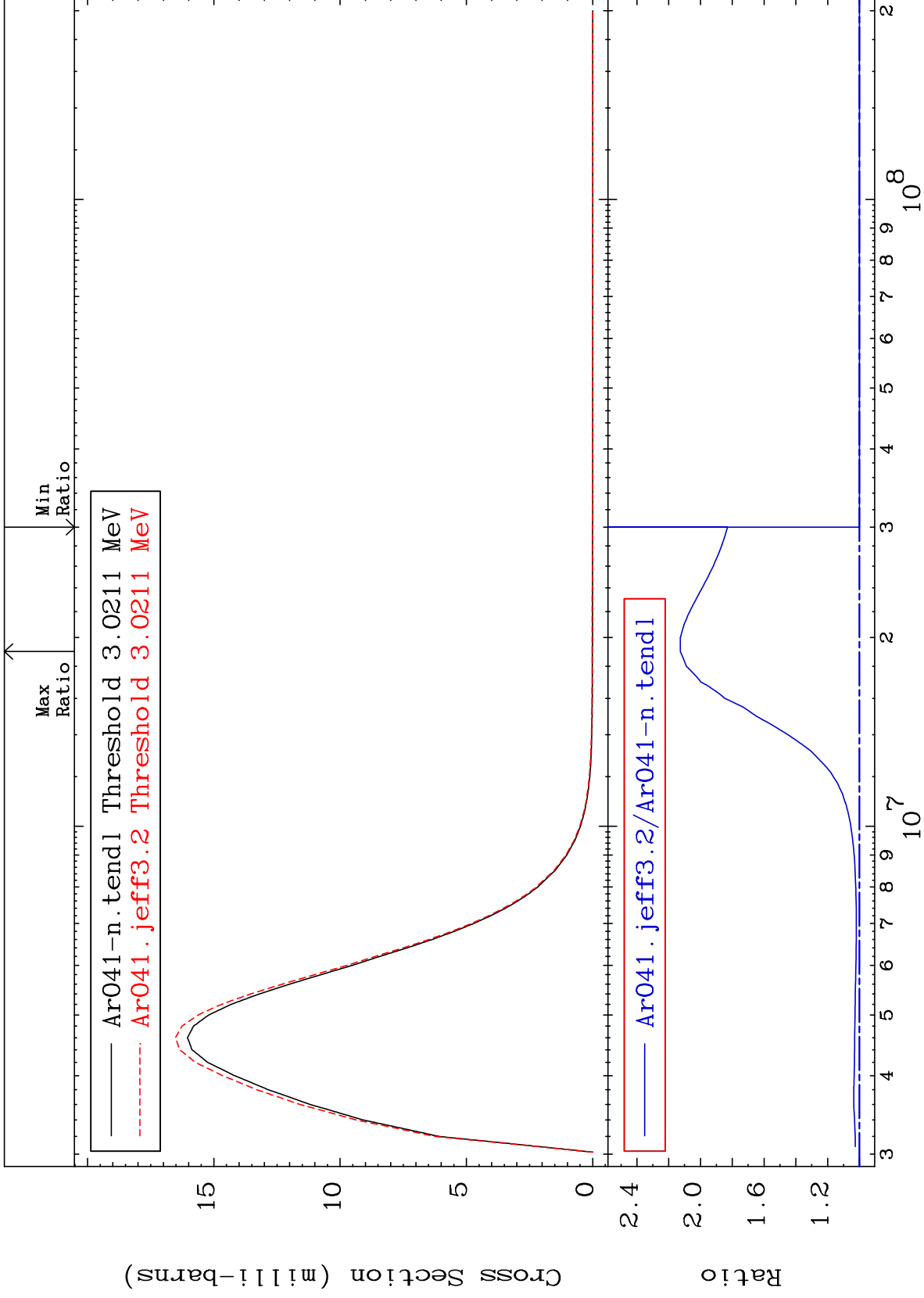
18-Ar-41

MAT 1840

2.948 MeV (n,n') Level

18-Ar-41

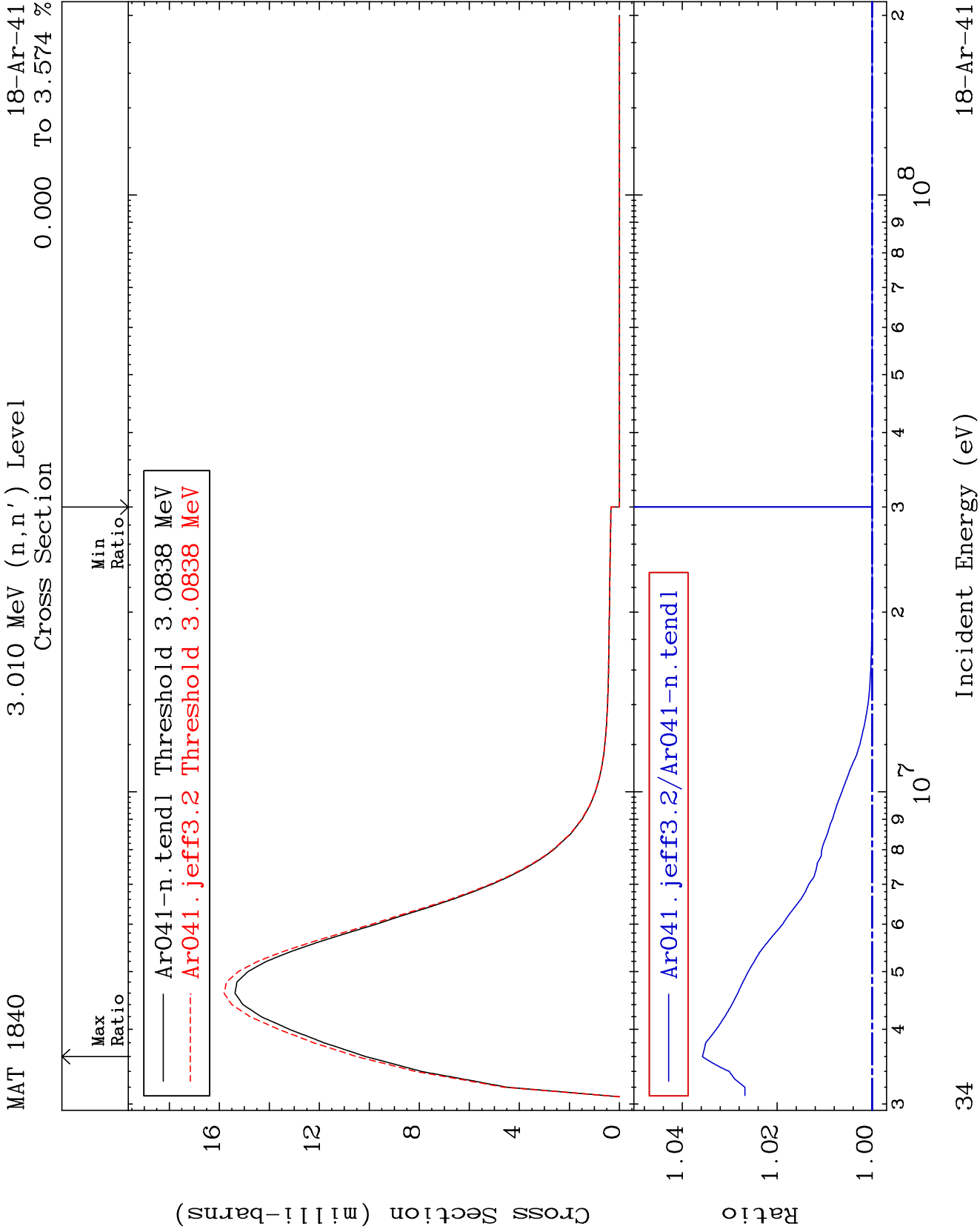
Cross Section
0.000 To 112.7 %



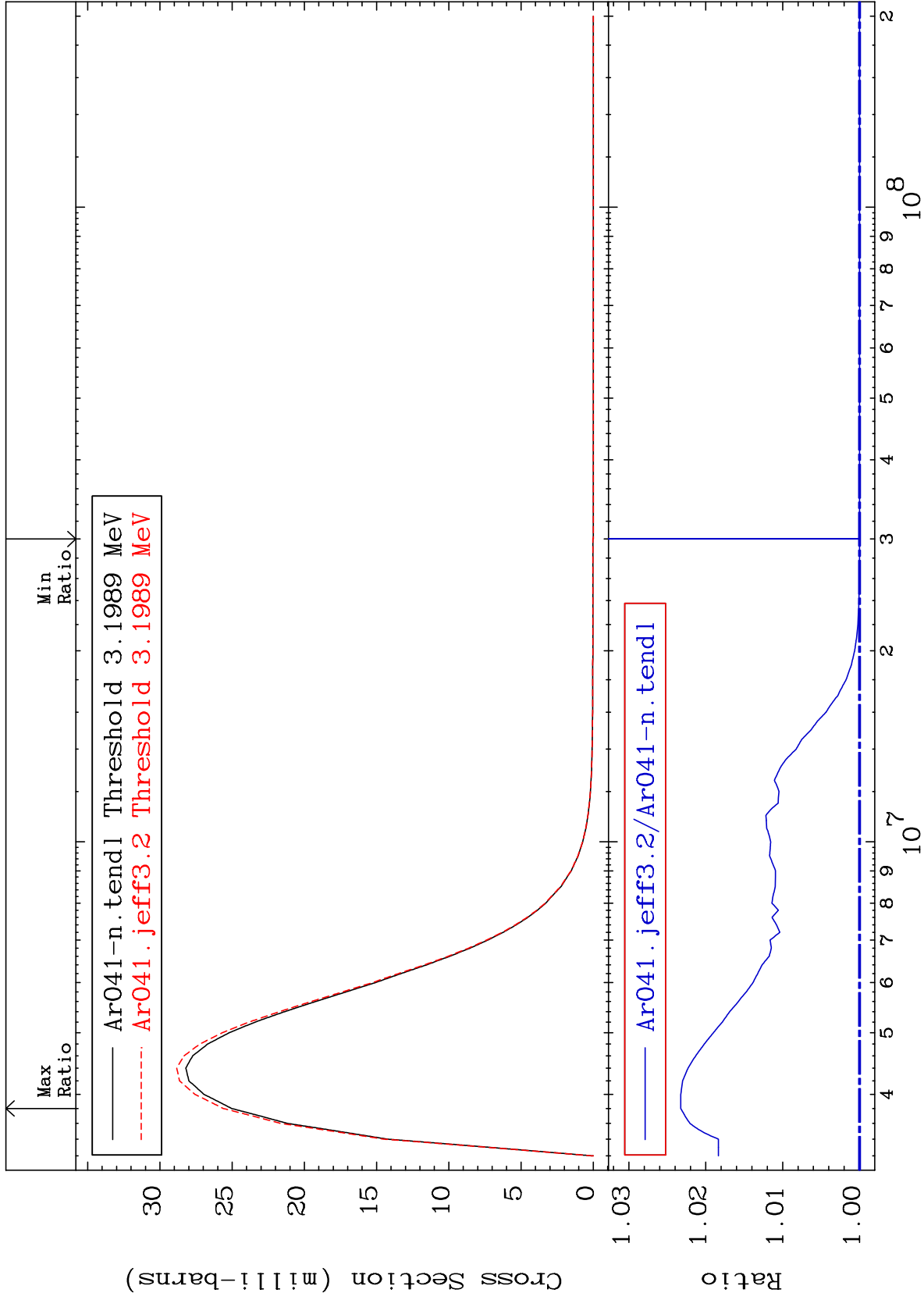
33

Incident Energy (eV)

18-Ar-41



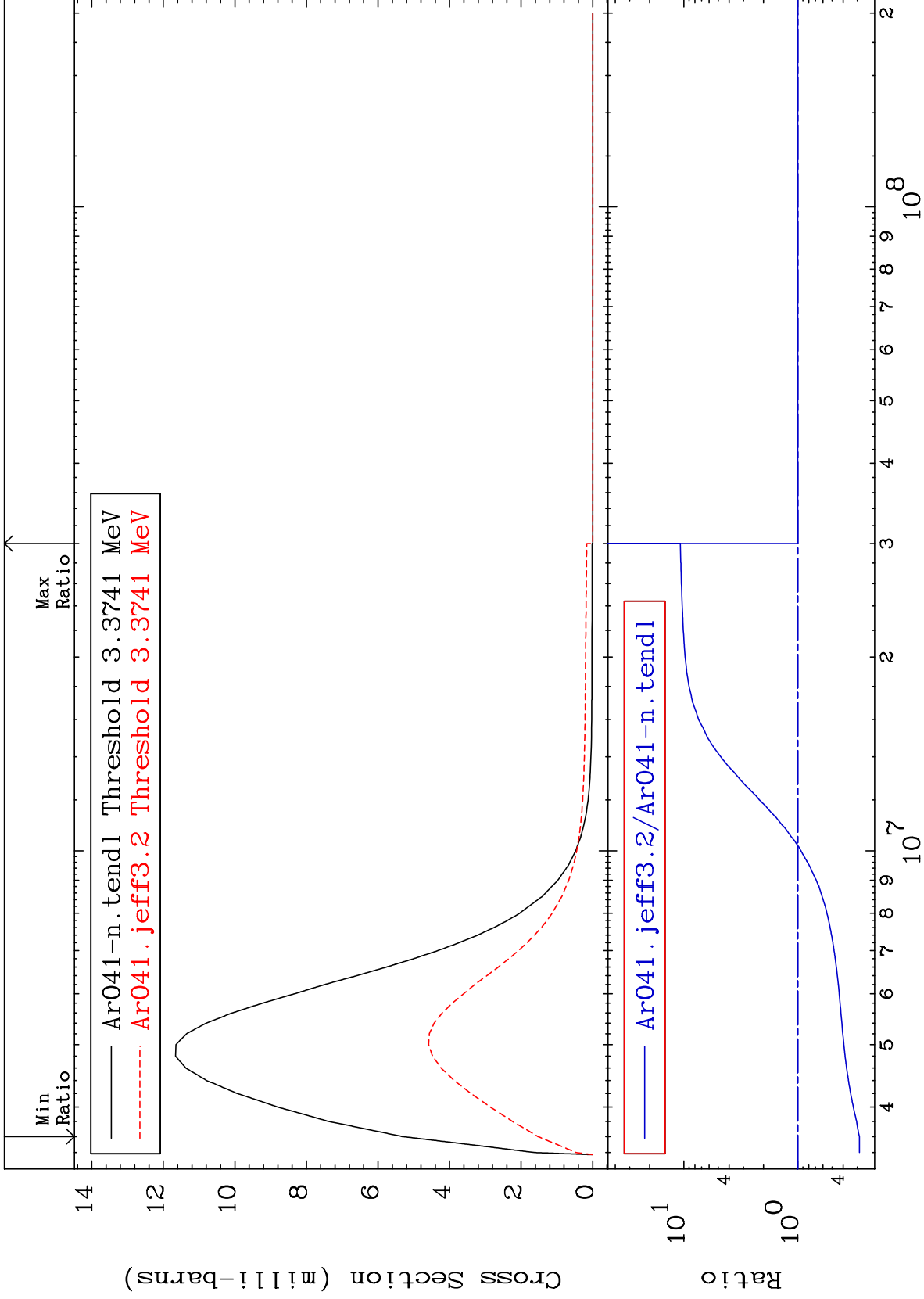
MAT 1840 3.122 MeV (n,n') Level 18-Ar-41
 Cross Section 0.000 To 2.325 %



MAT 1840

3.293 MeV (n,n') Level
Cross Section

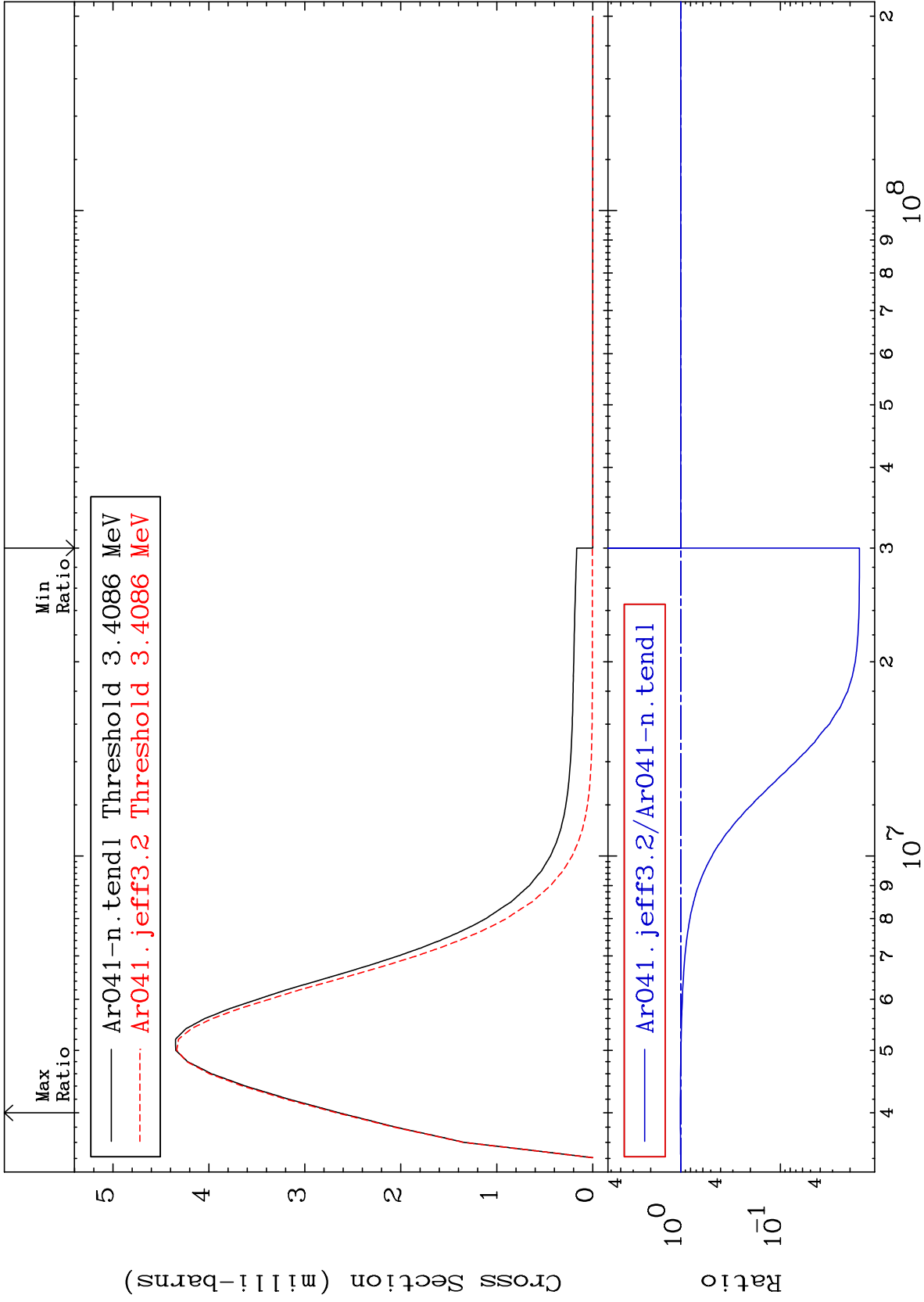
18-Ar-41
-71.27 To 973.9 %



MAT 1840

3.327 MeV (n,n') Level
Cross Section

18-Ar-41
-98.39 To 0.993 %

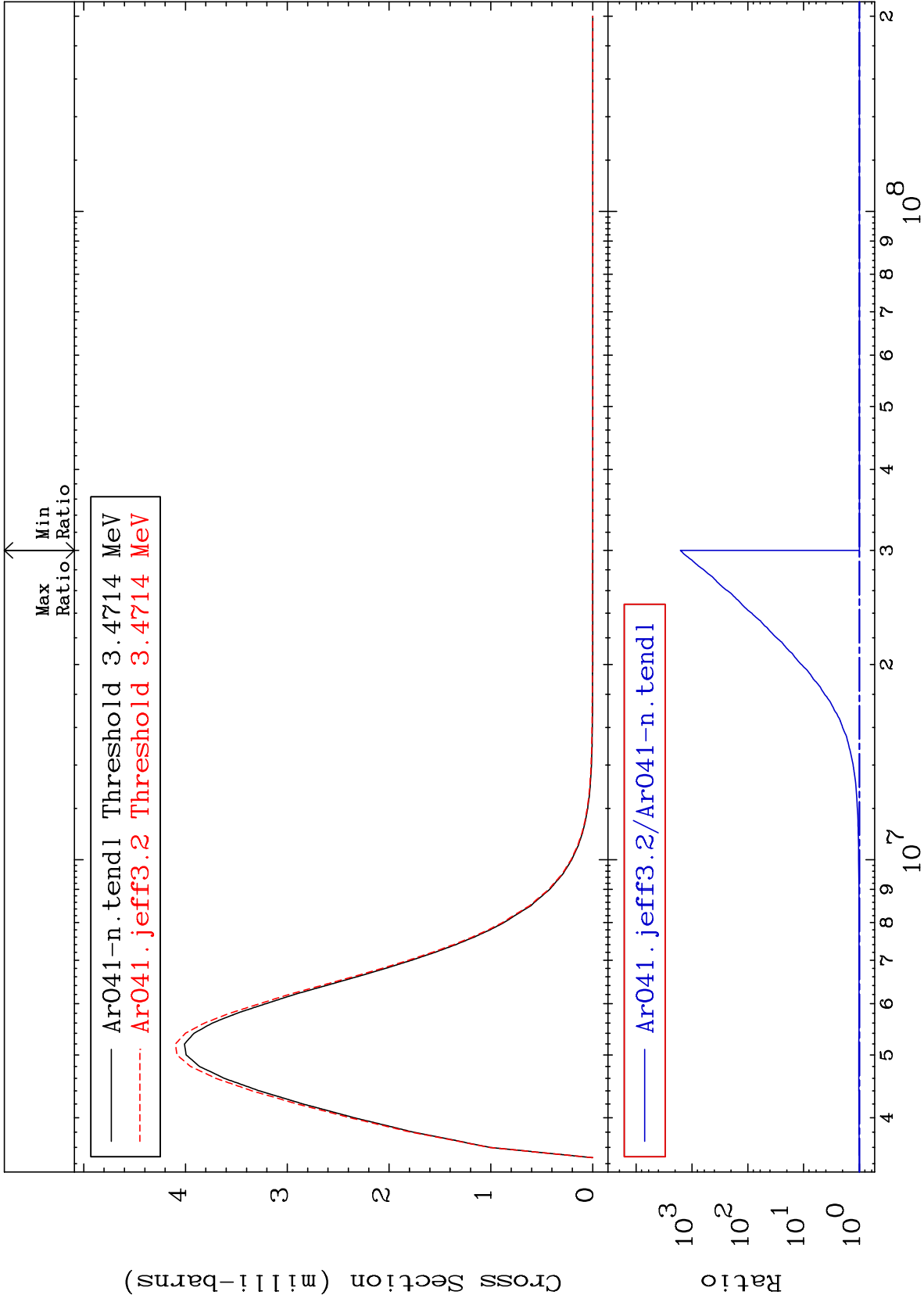


MAT 1840

3.388 MeV (n,n') Level

18-Ar-41

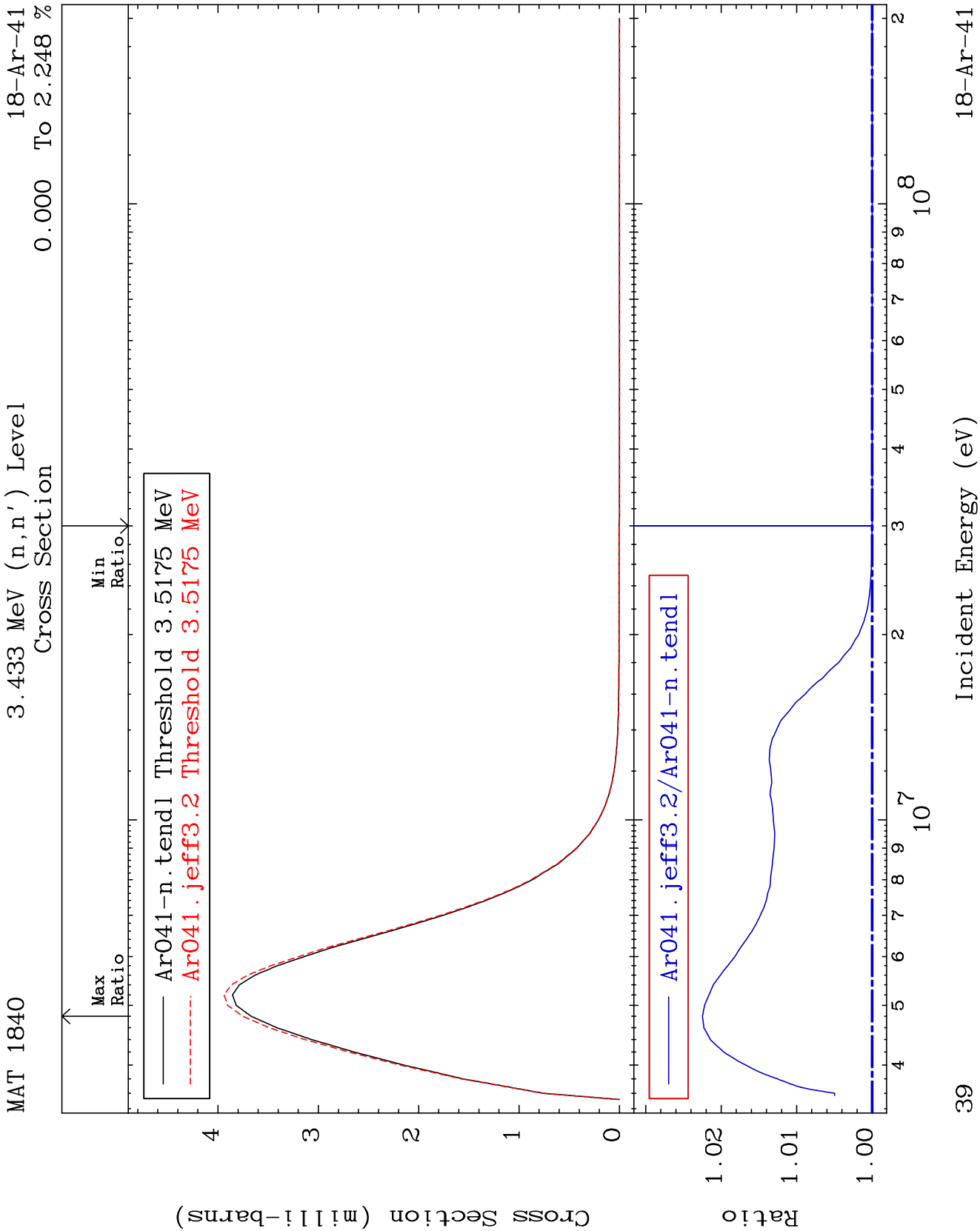
Cross Section To 9999. %



38

Incident Energy (eV)

18-Ar-41

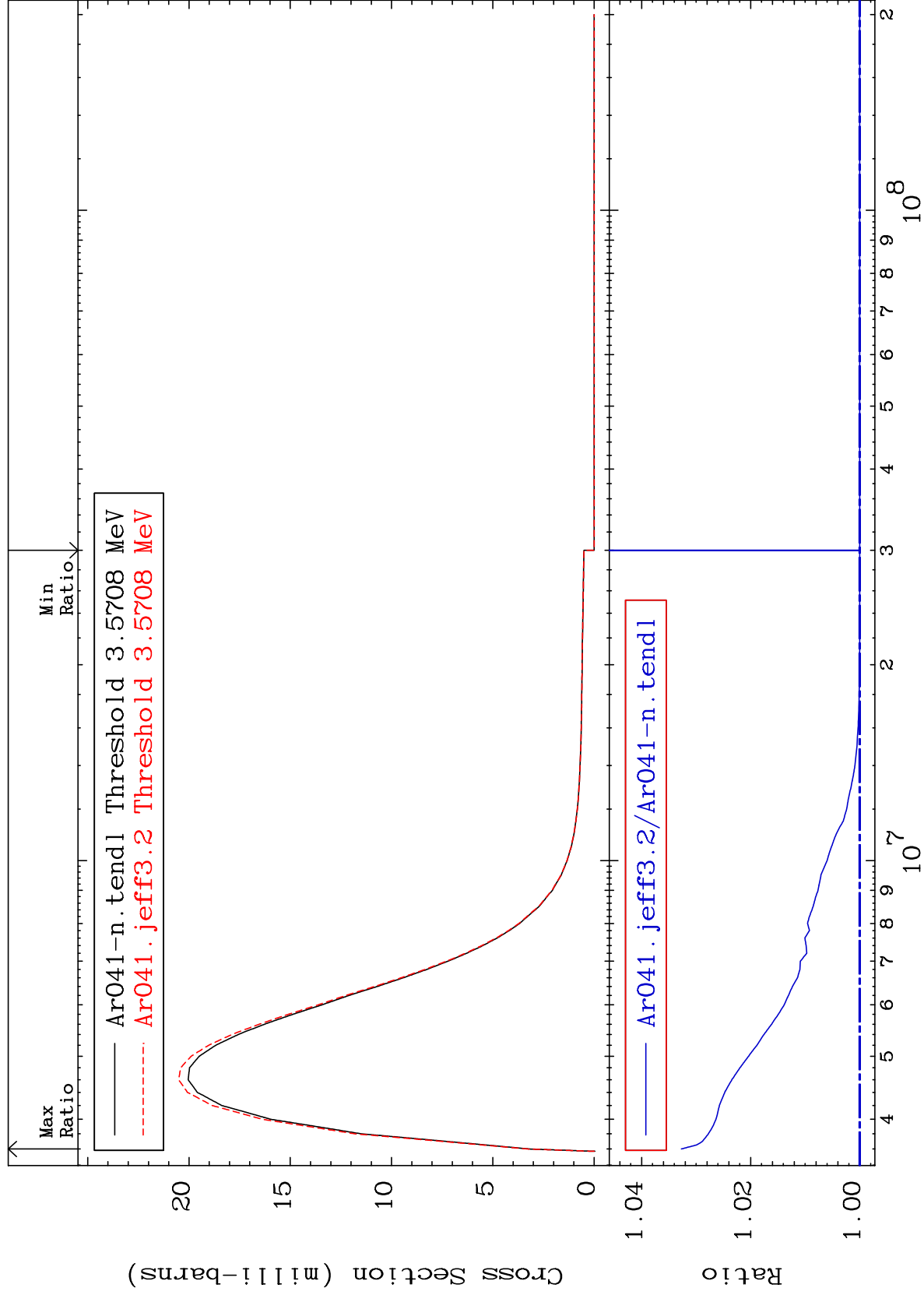


MAT 1840

3.485 MeV (n,n') Level

18-Ar-41

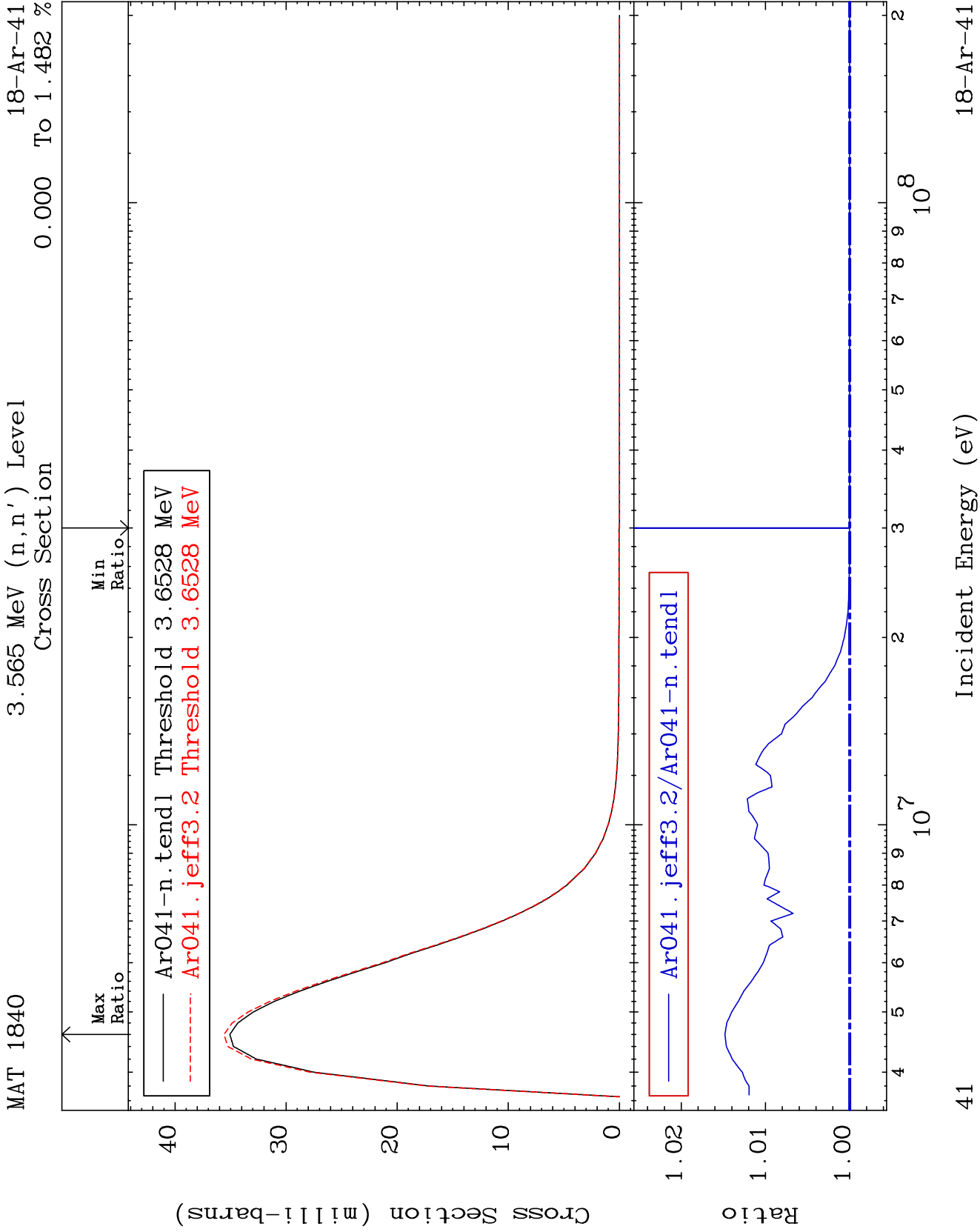
0.000 To 3.271 %



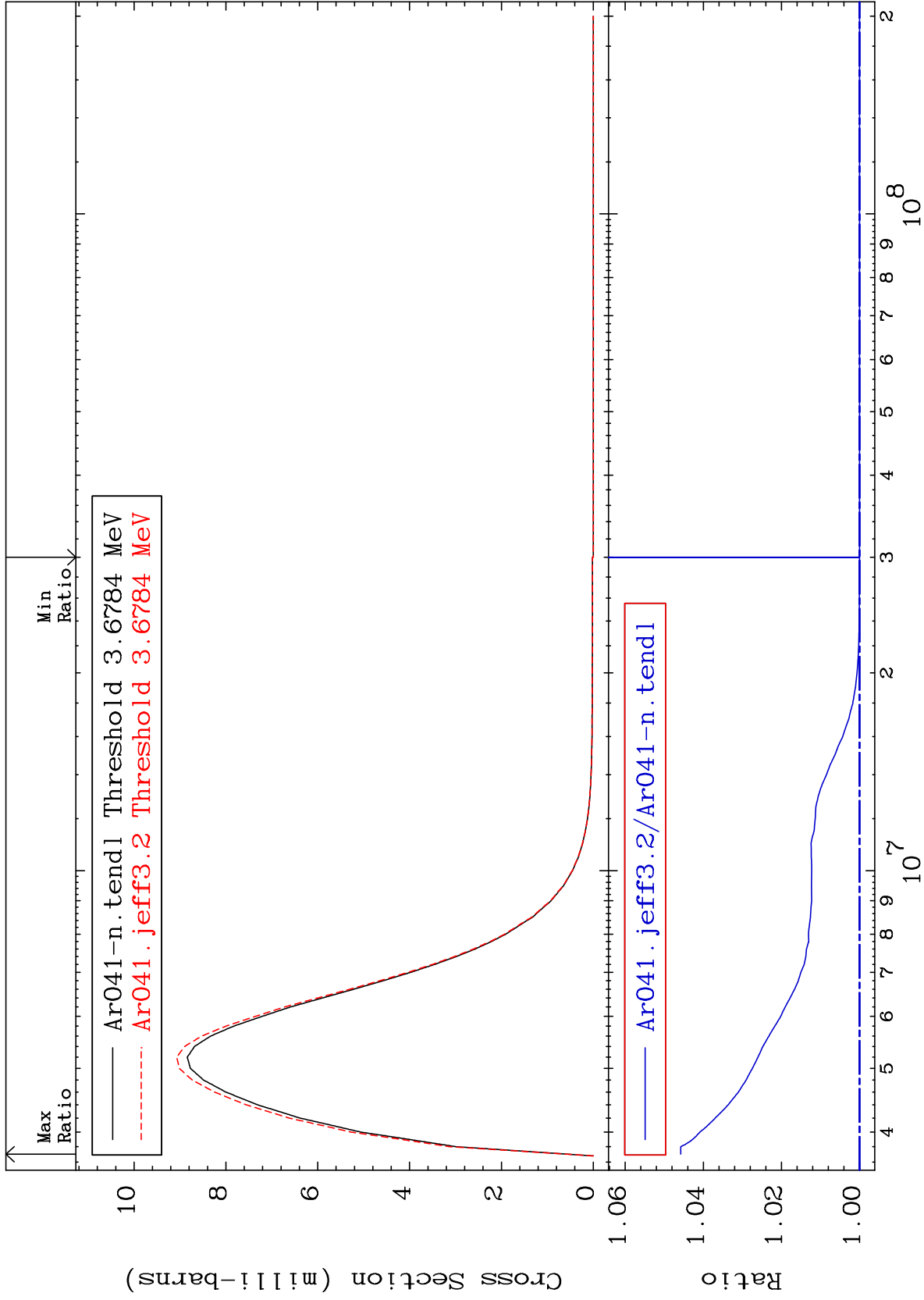
40

18-Ar-41

18-Ar-41



MAT 1840 3.590 MeV (n,n') Level 18-Ar-41
 Cross Section 0.000 To 4.578 %

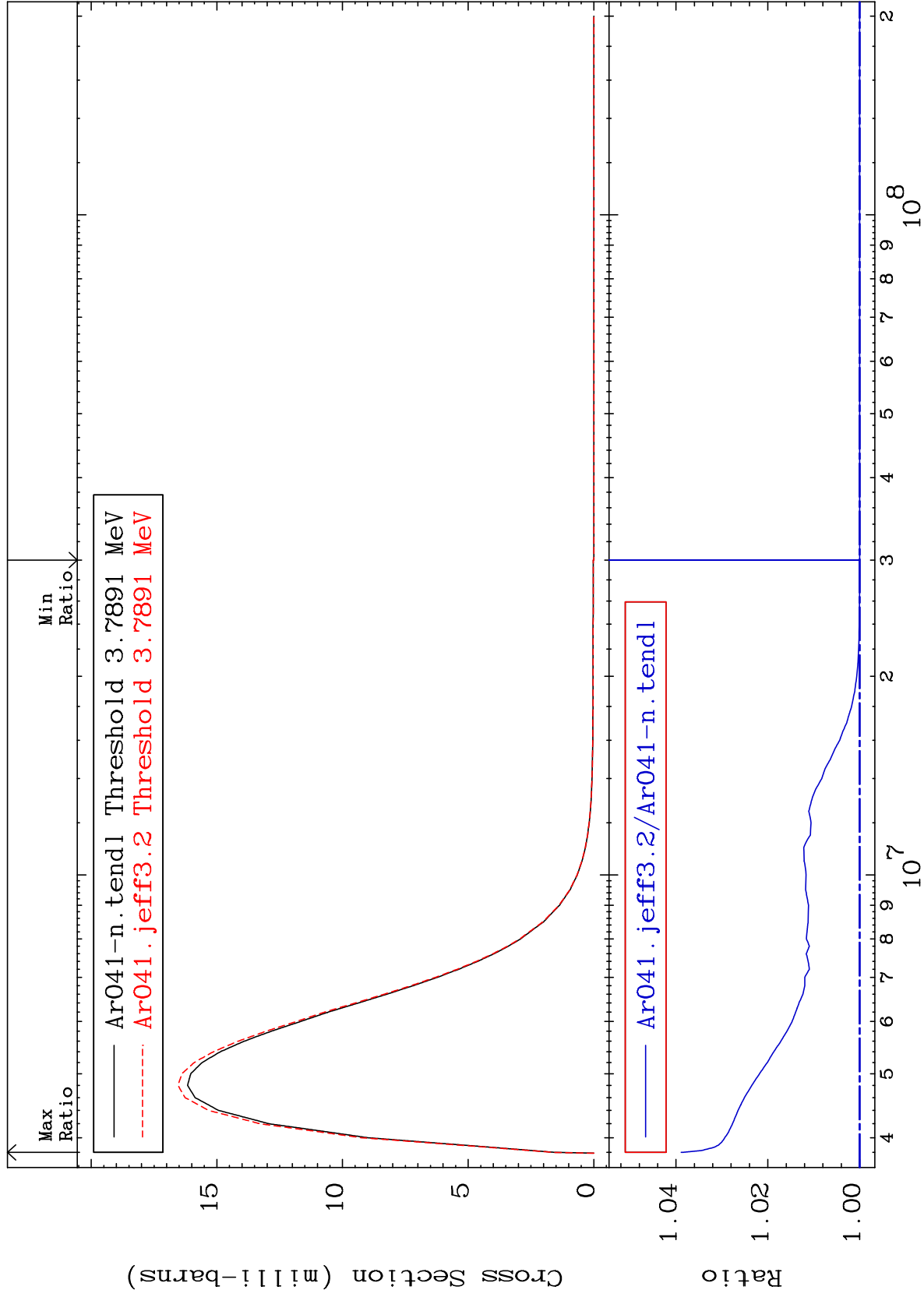


MAT 1840

3.698 MeV (n,n') Level

18-Ar-41

0.000 To 3.888 %



43

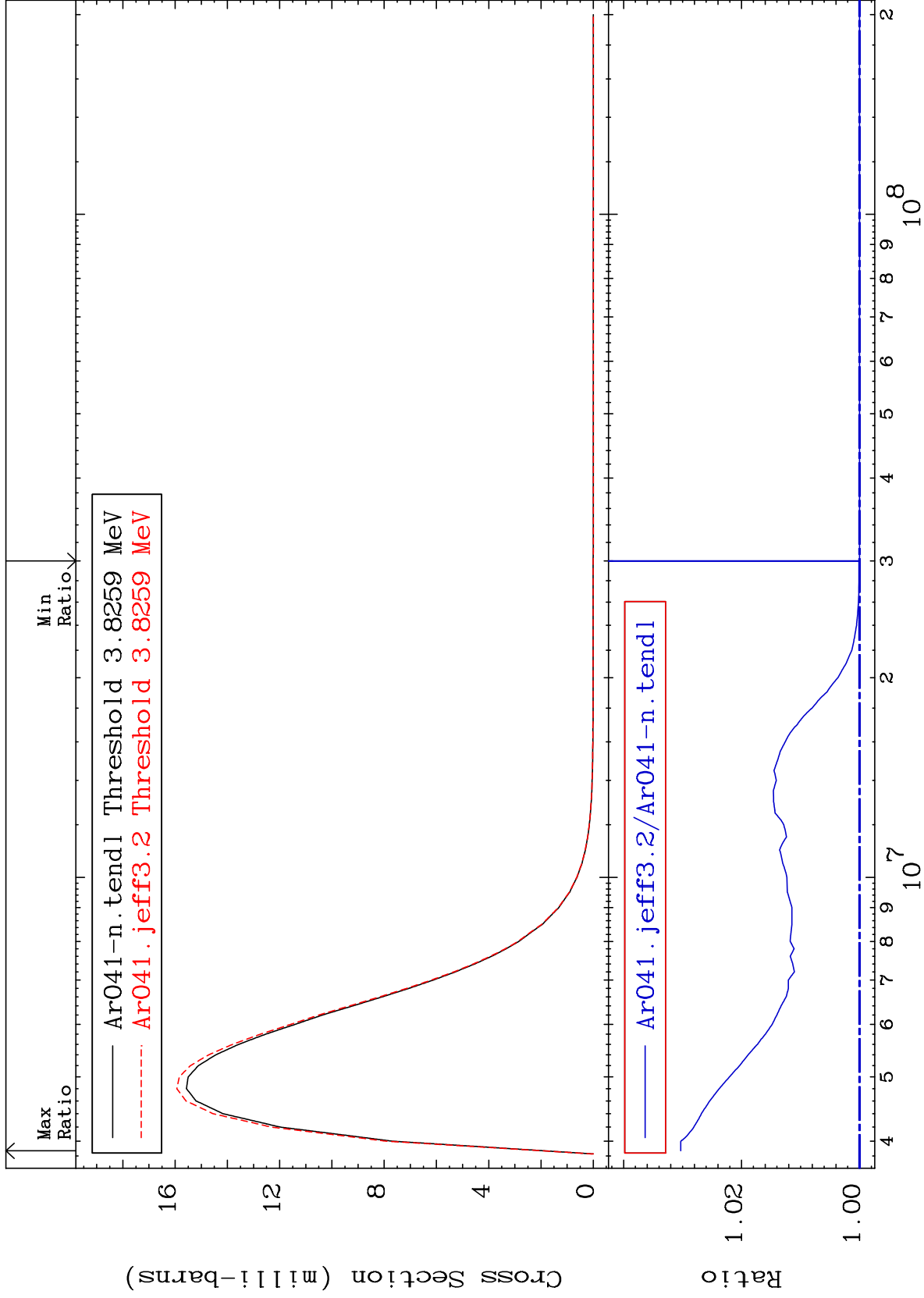
18-Ar-41

MAT 1840

3.734 MeV (n,n') Level

18-Ar-41

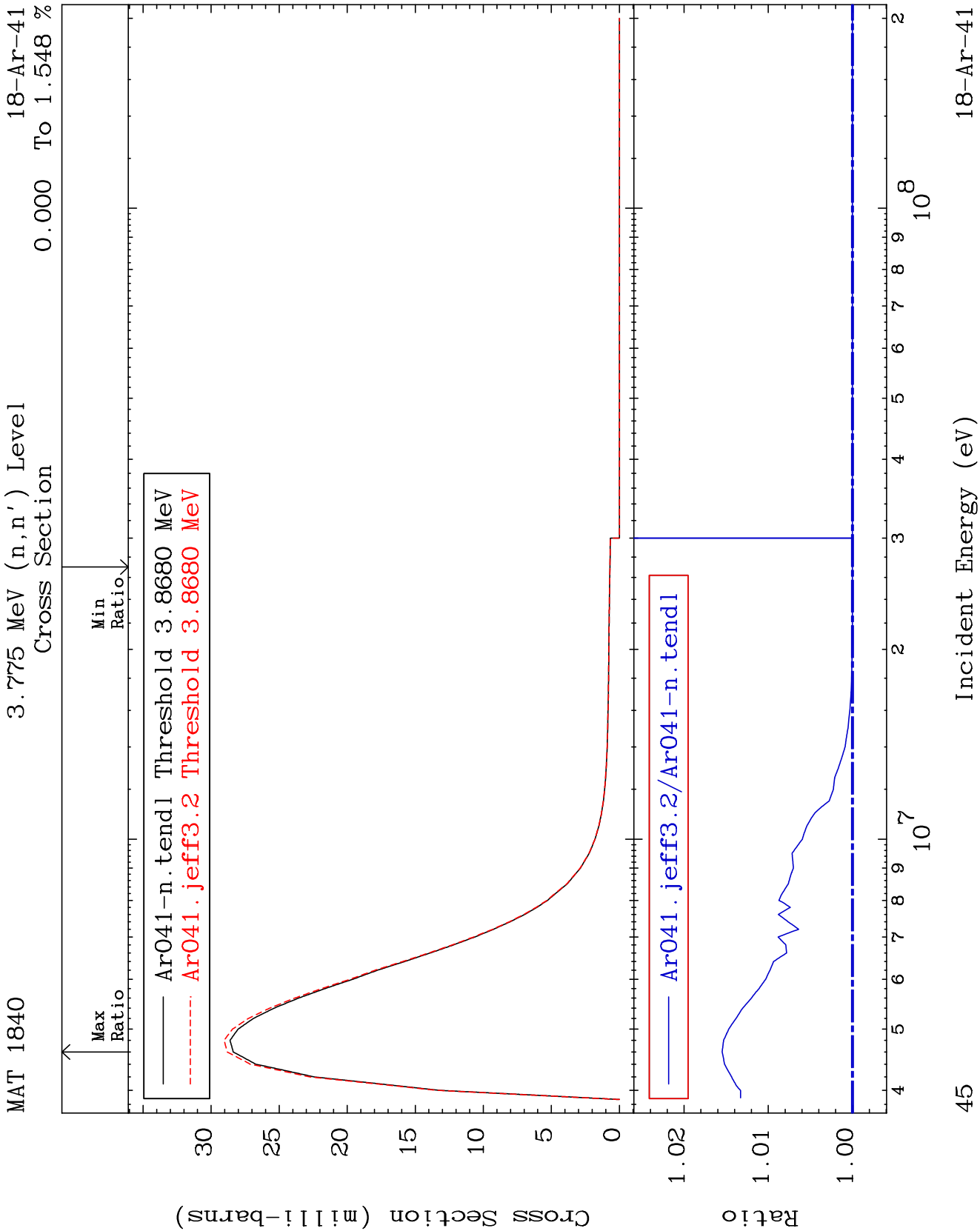
0.000 To 3.031 %



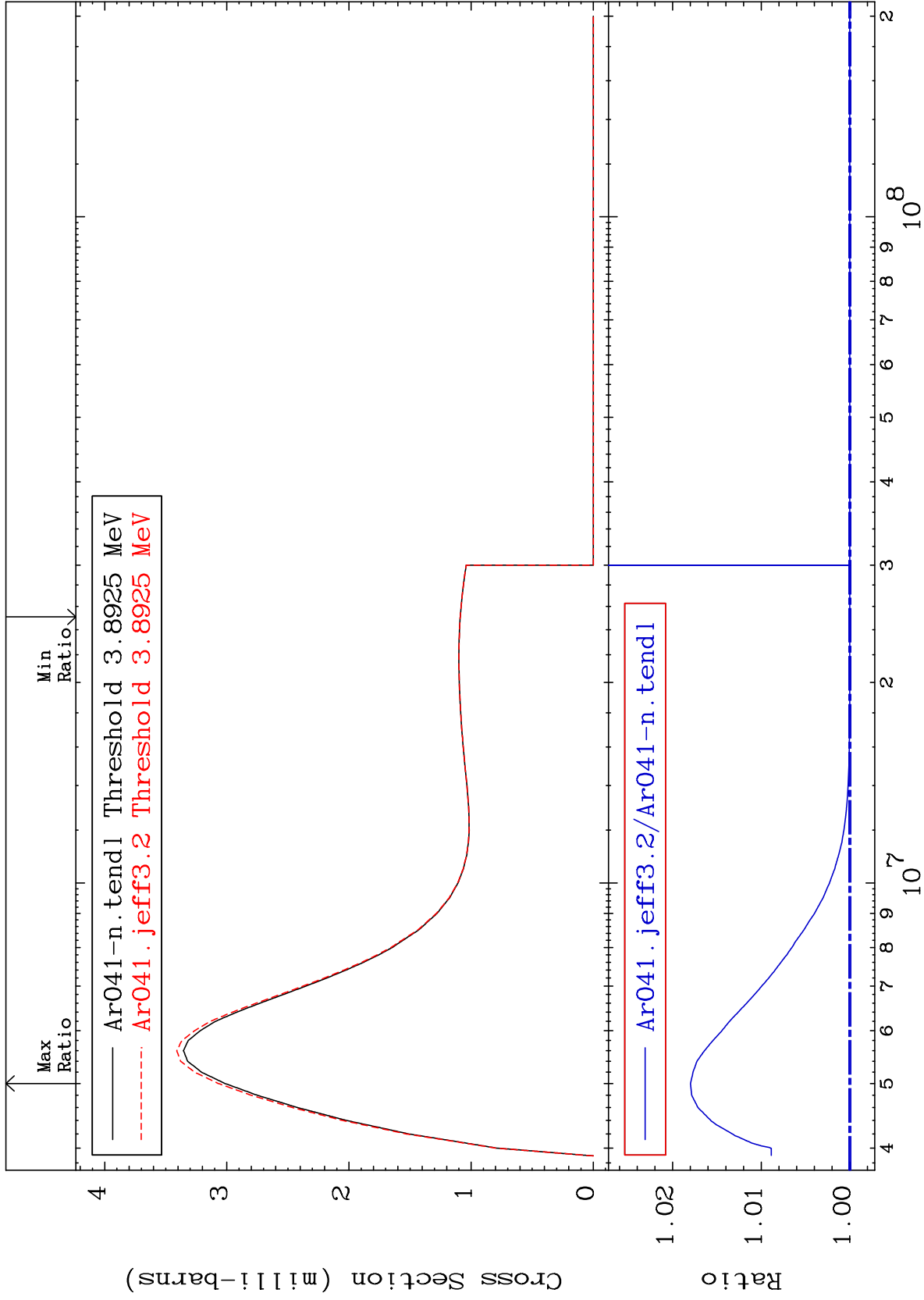
44

Incident Energy (eV)

18-Ar-41



MAT 1840 3.799 MeV (n,n') Level 18-Ar-41
 Cross Section 0.000 To 1.799 %

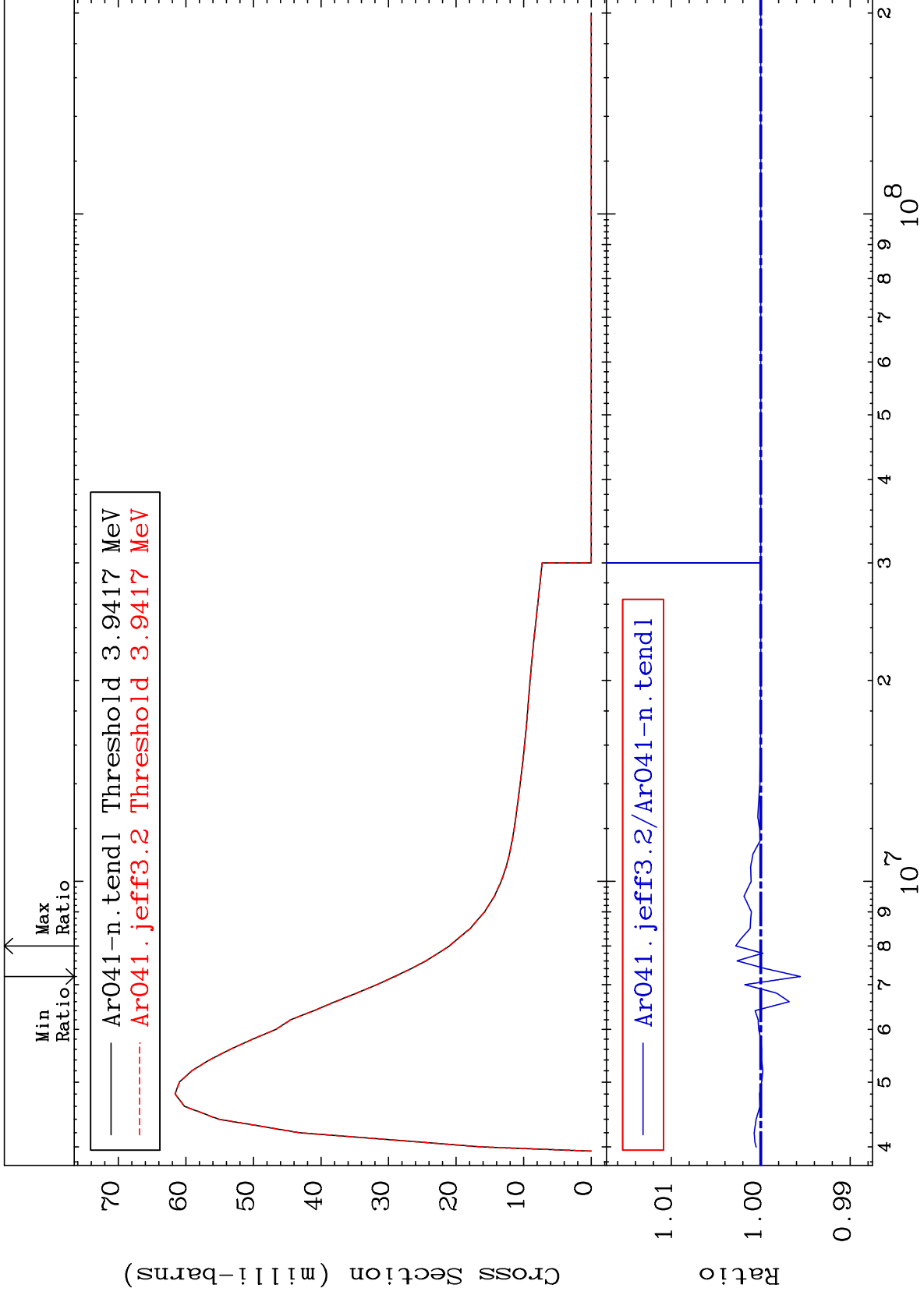


46 18-Ar-41

MAT 1840

3.847 MeV (n,n') Level
Cross Section

18-Ar-41
-0.442 To 0.280 %



47

Incident Energy (eV)

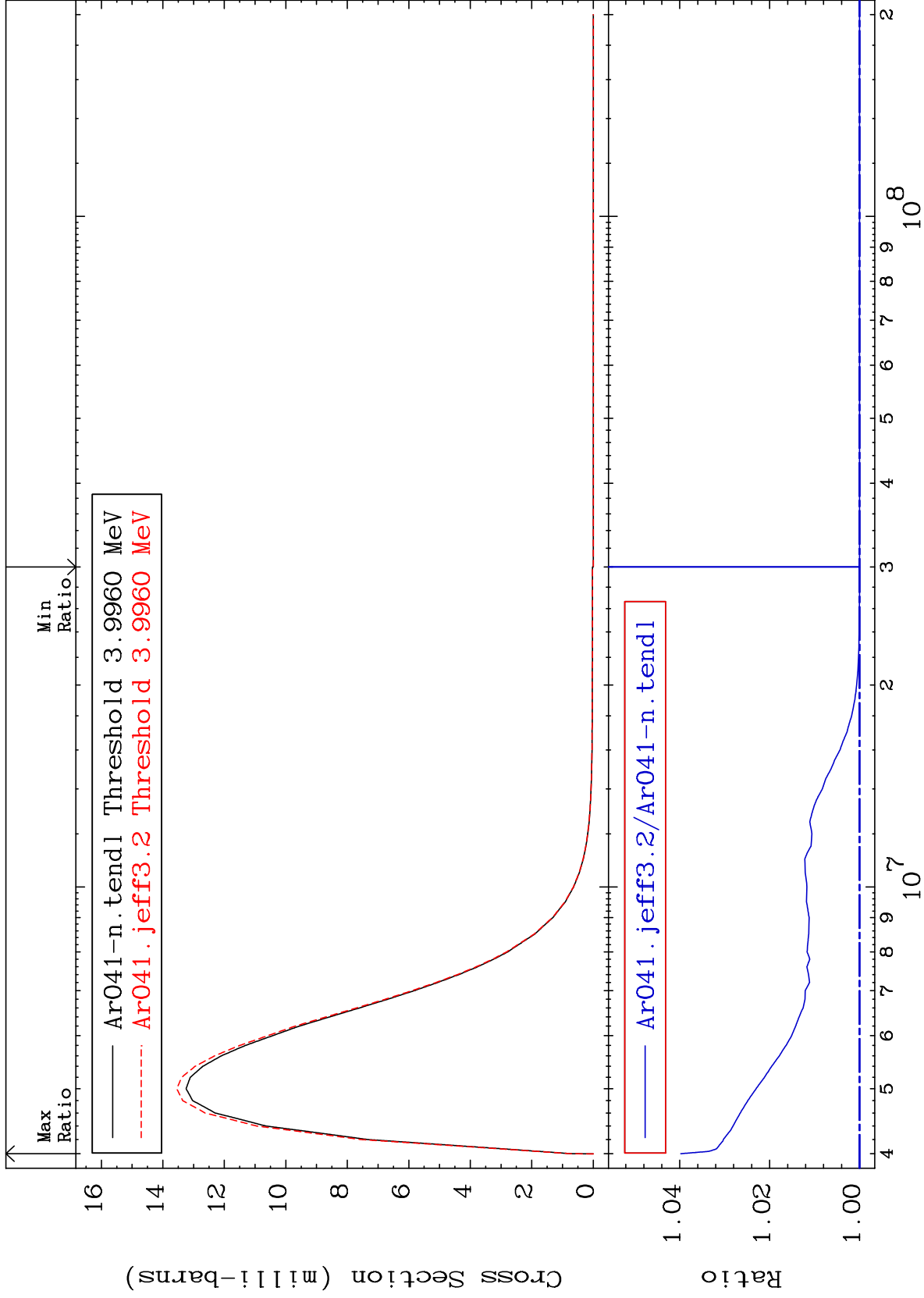
18-Ar-41

MAT 1840

3.900 MeV (n,n') Level

18-Ar-41

Cross Section To 3.977 %



48

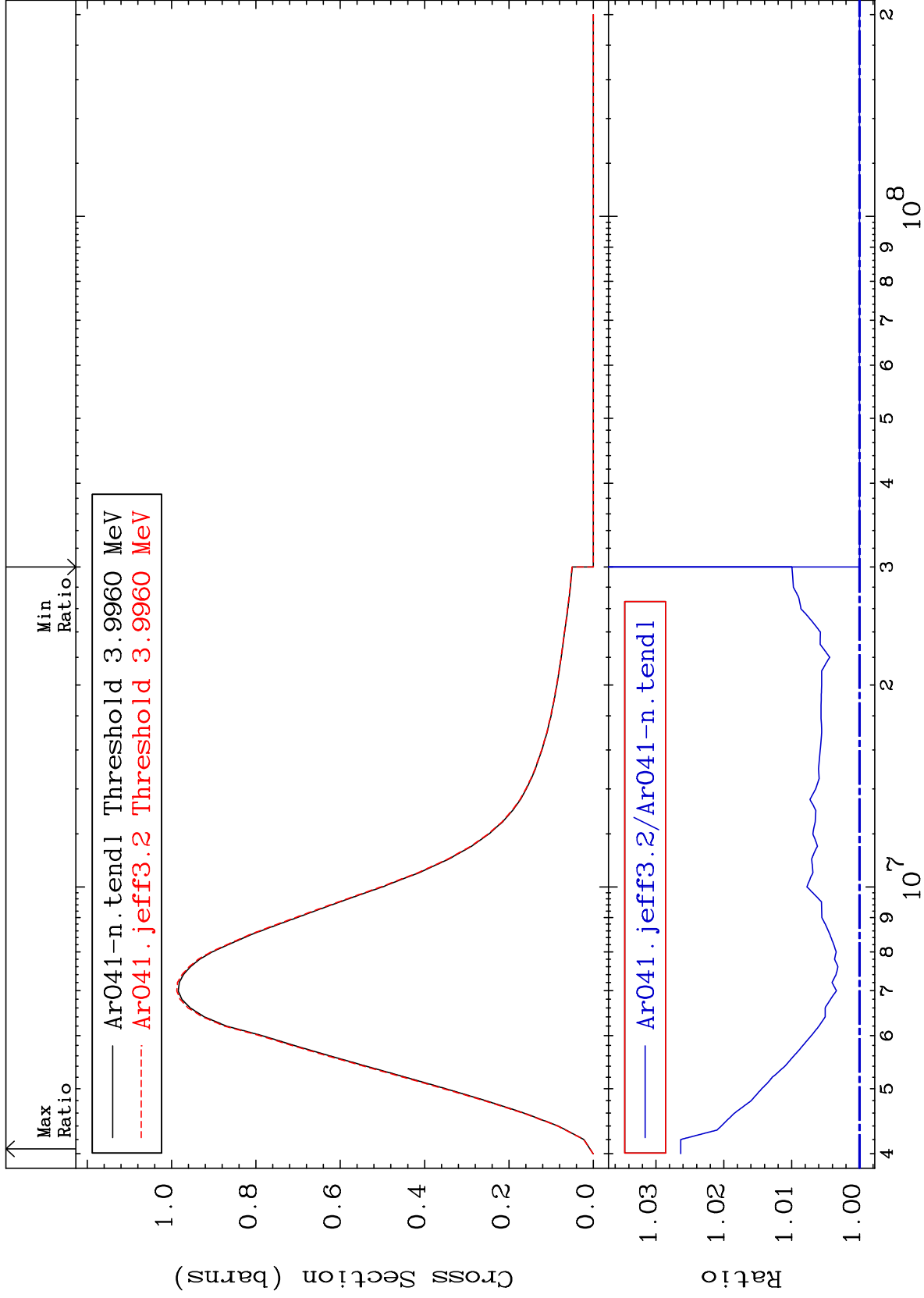
Incident Energy (eV)

18-Ar-41

MAT 1840

(n, n') Continuum
Cross Section

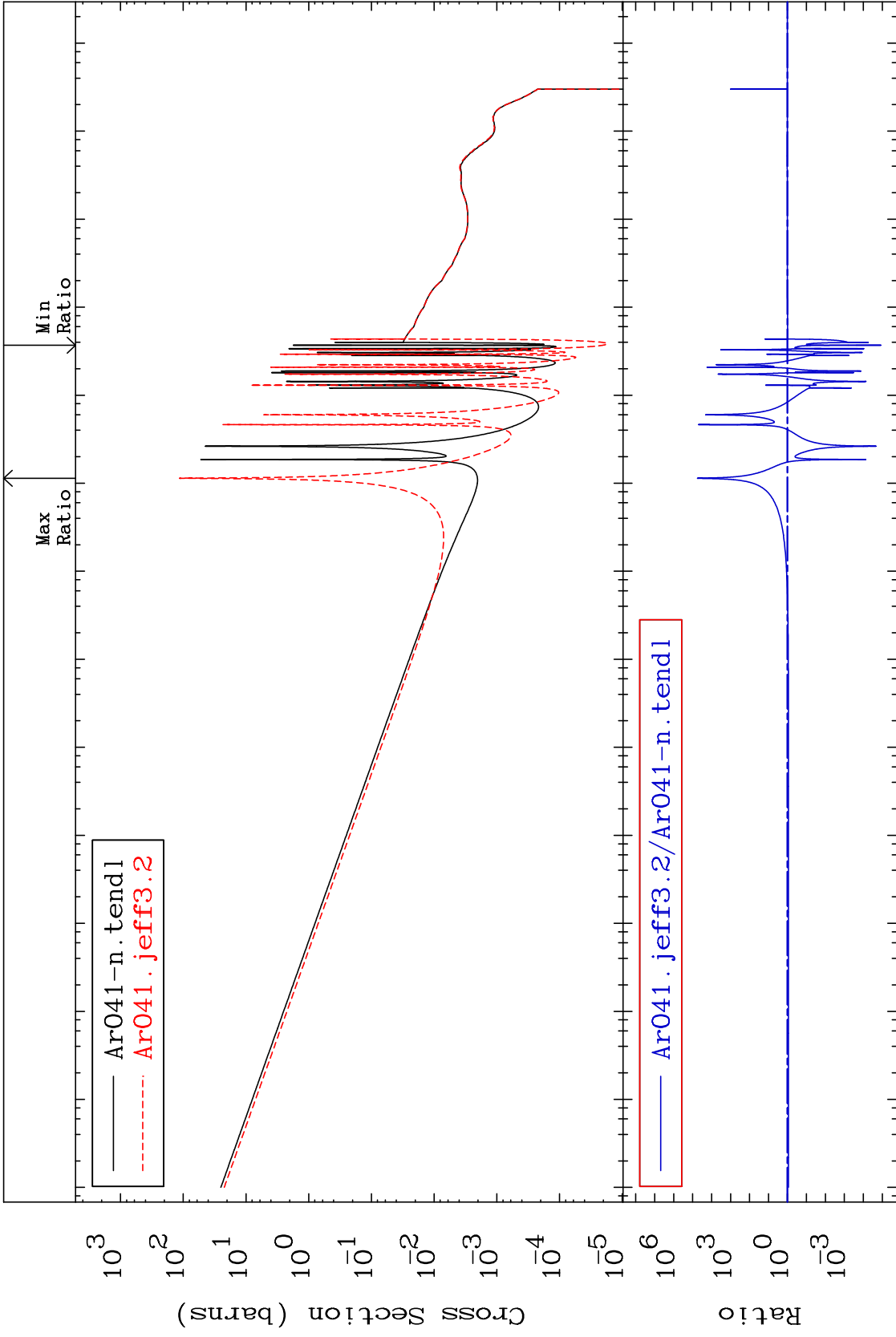
18-Ar-41
To 2.634 %



MAT 1840

(n, γ)
Cross Section

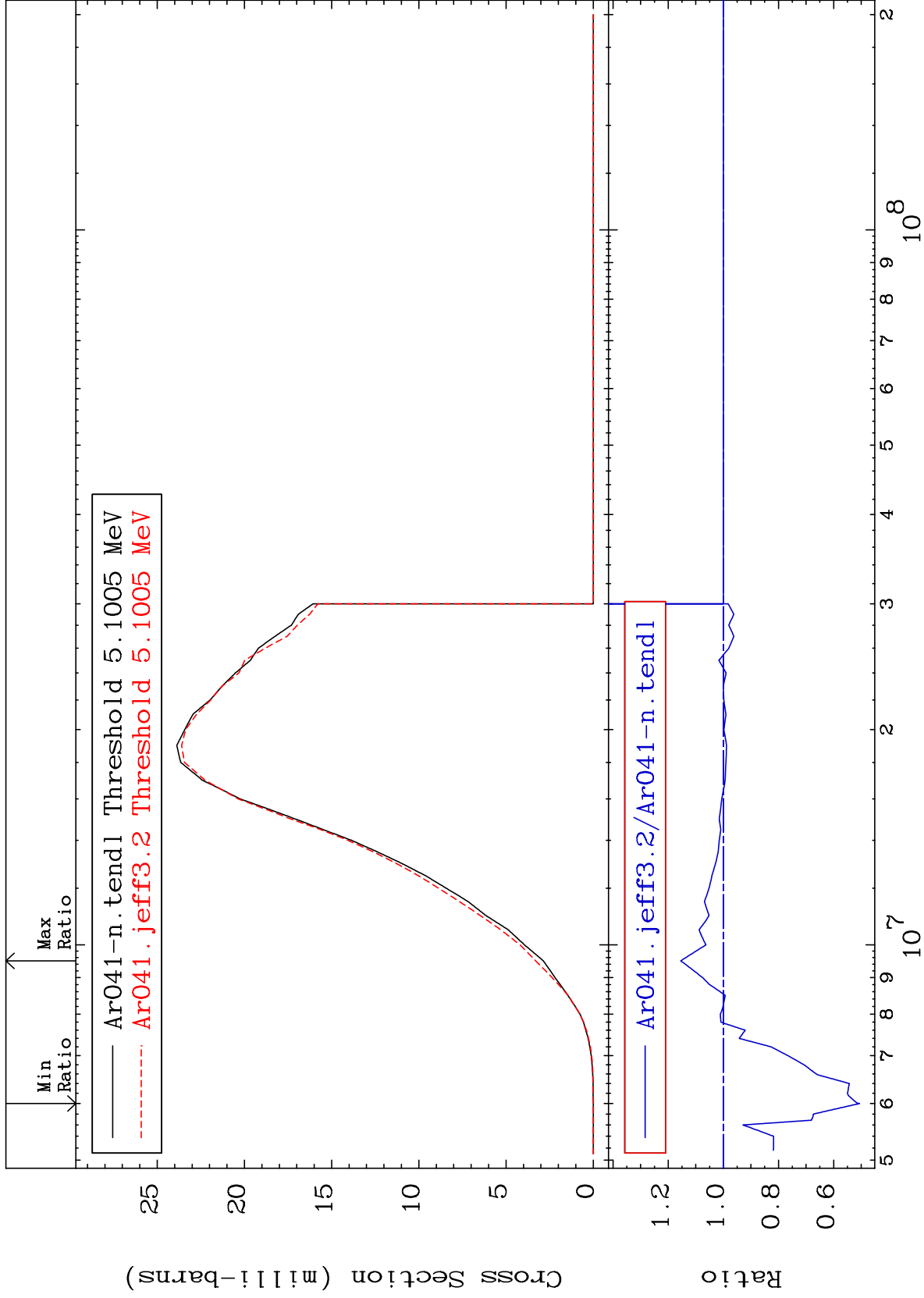
18-Ar-41
-100.0 To 9999. %



MAT 1840

(n,p)
Cross Section

18-Ar-41
-49.39 To 15.44 %



51

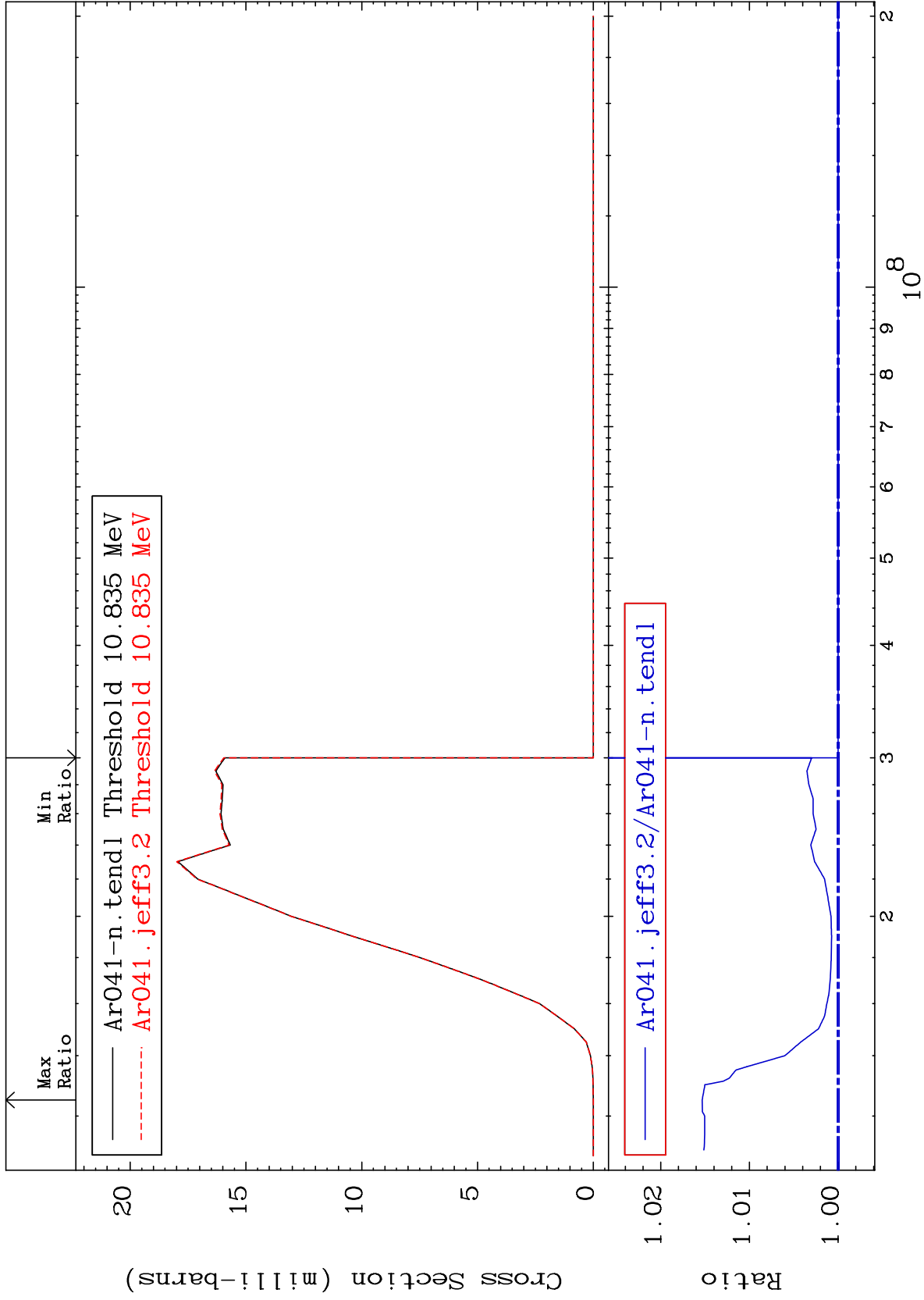
18-Ar-41

18-Ar-41

MAT 1840

(n, d)
Cross Section

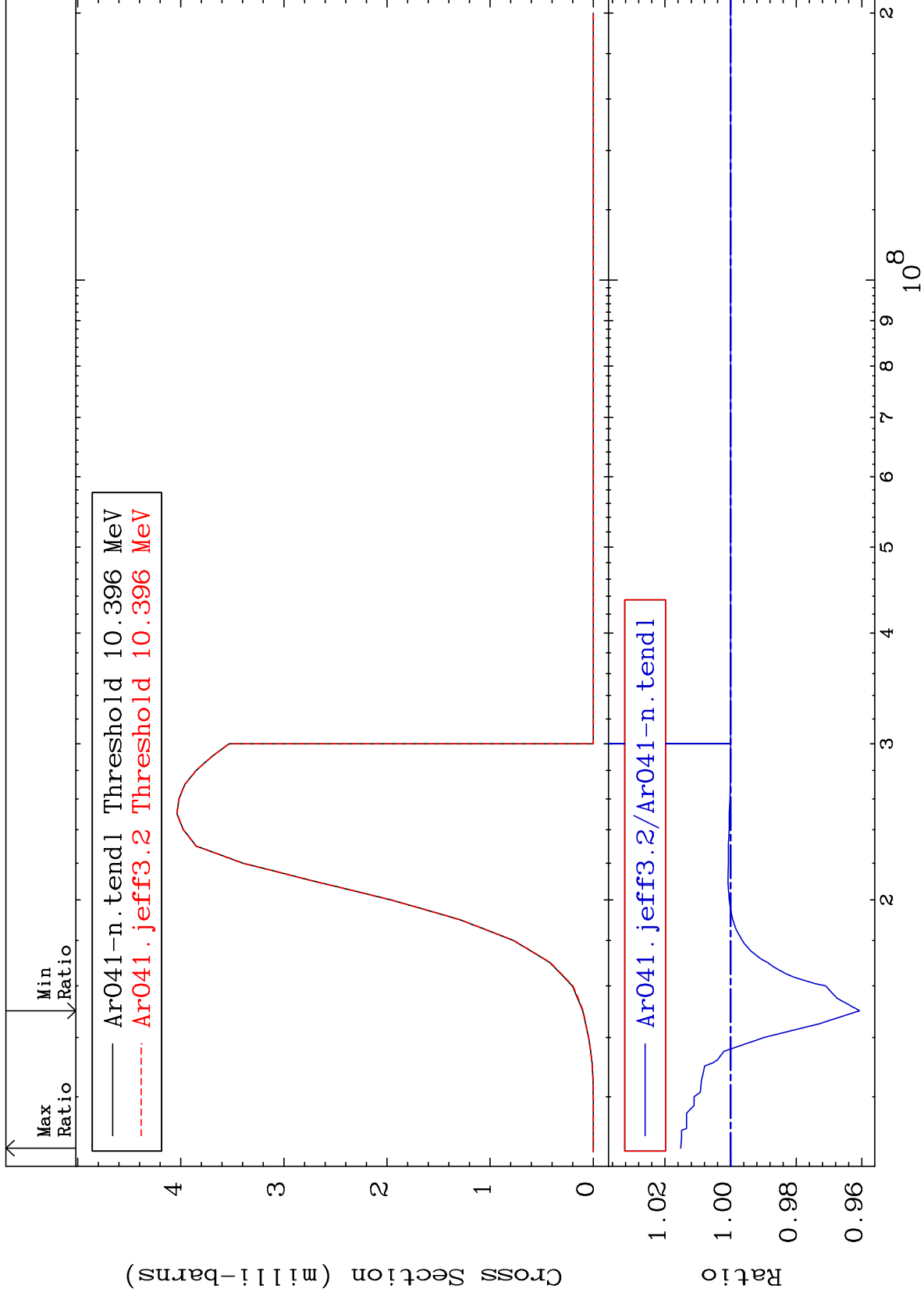
18-Ar-41
0.000 To 1.533 %



MAT 1840

(n, t)
Cross Section

18-Ar-41
-3.932 To 1.519 %



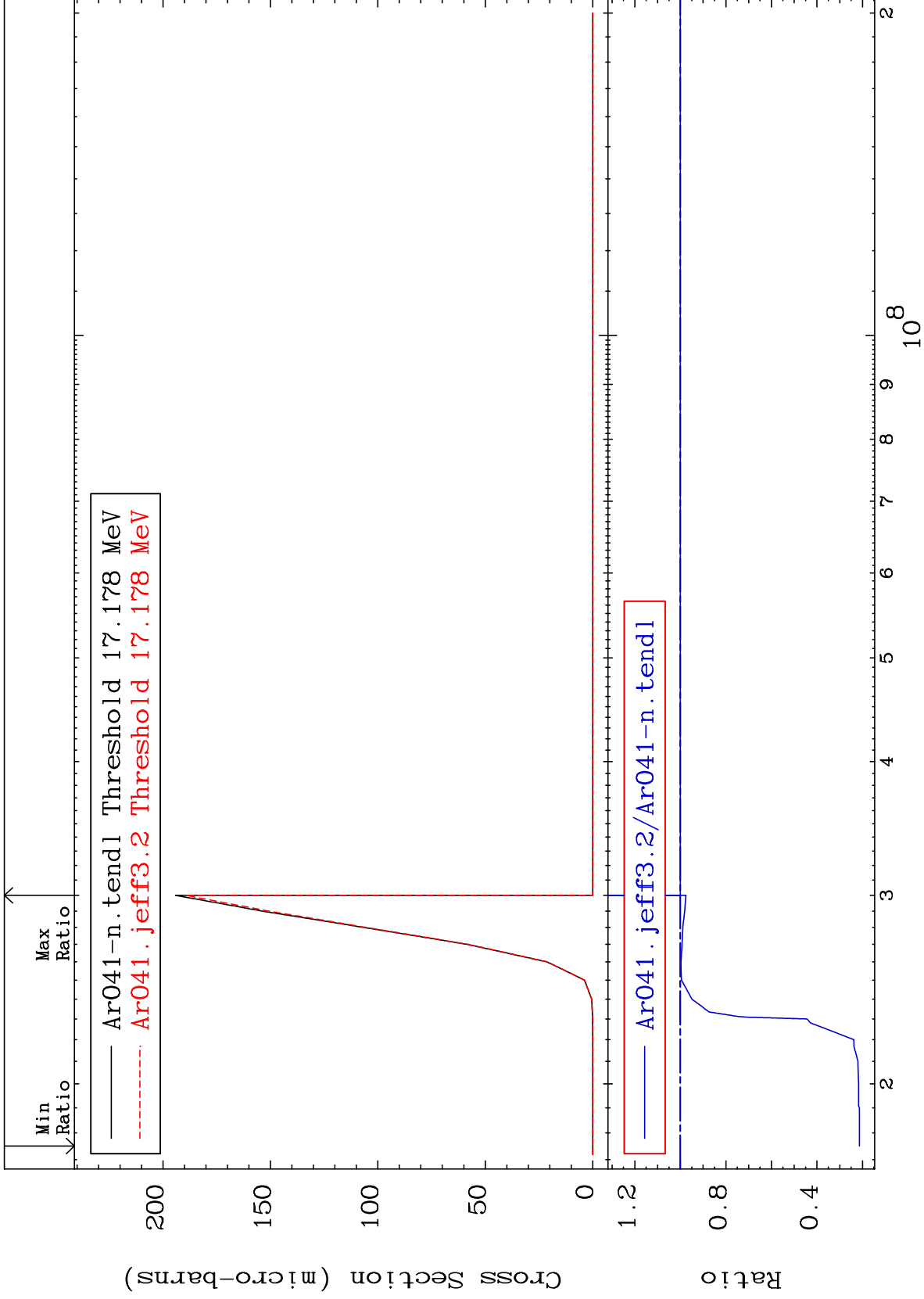
MAT 1840

(n, He-3)

18-Ar-41

Cross Section

-78.66 To 0.000 %



54

18-Ar-41

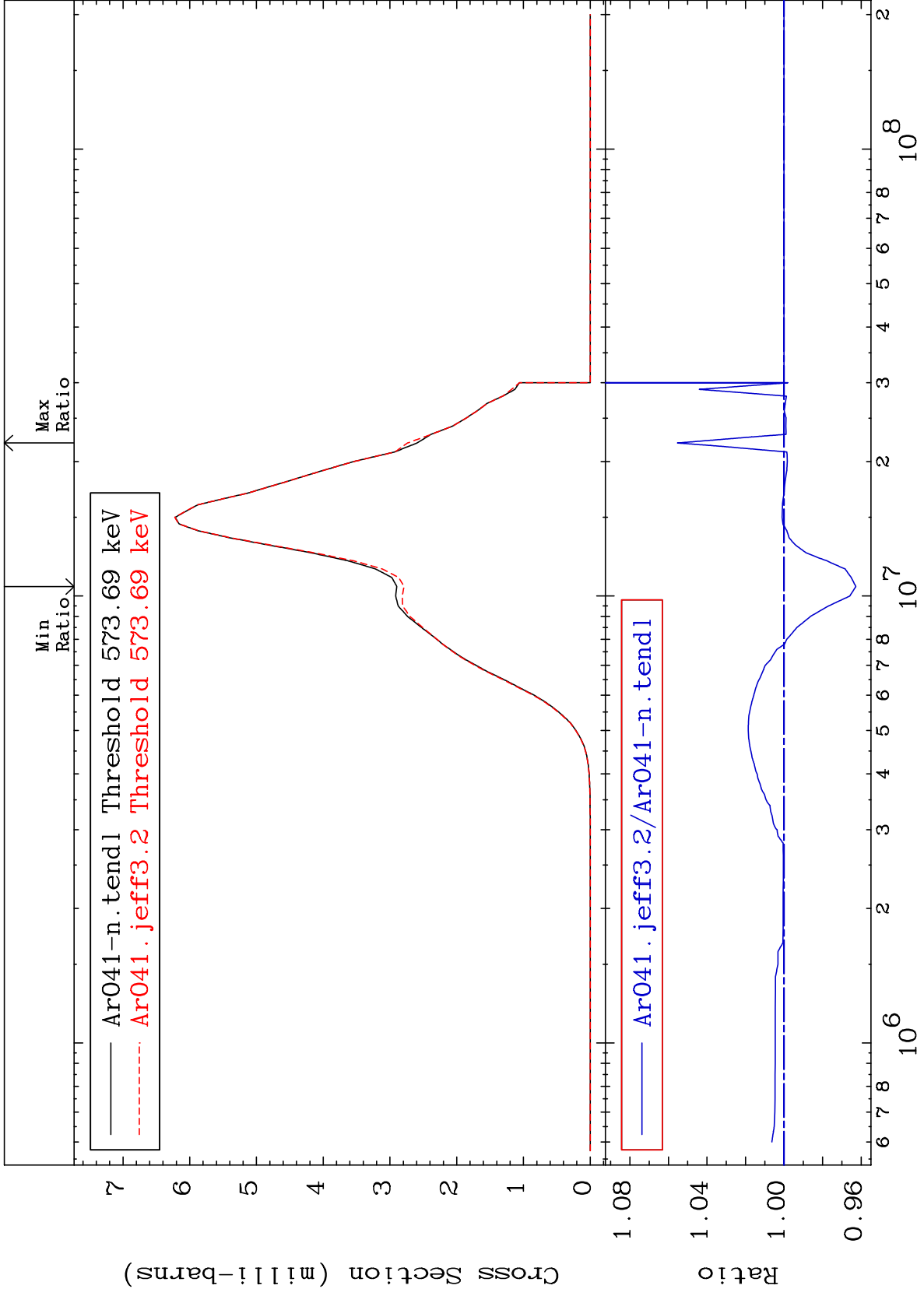
18-Ar-41

MAT 1840

18-Ar-41

-3.724 To 5.530 %

(n, α)
Cross Section



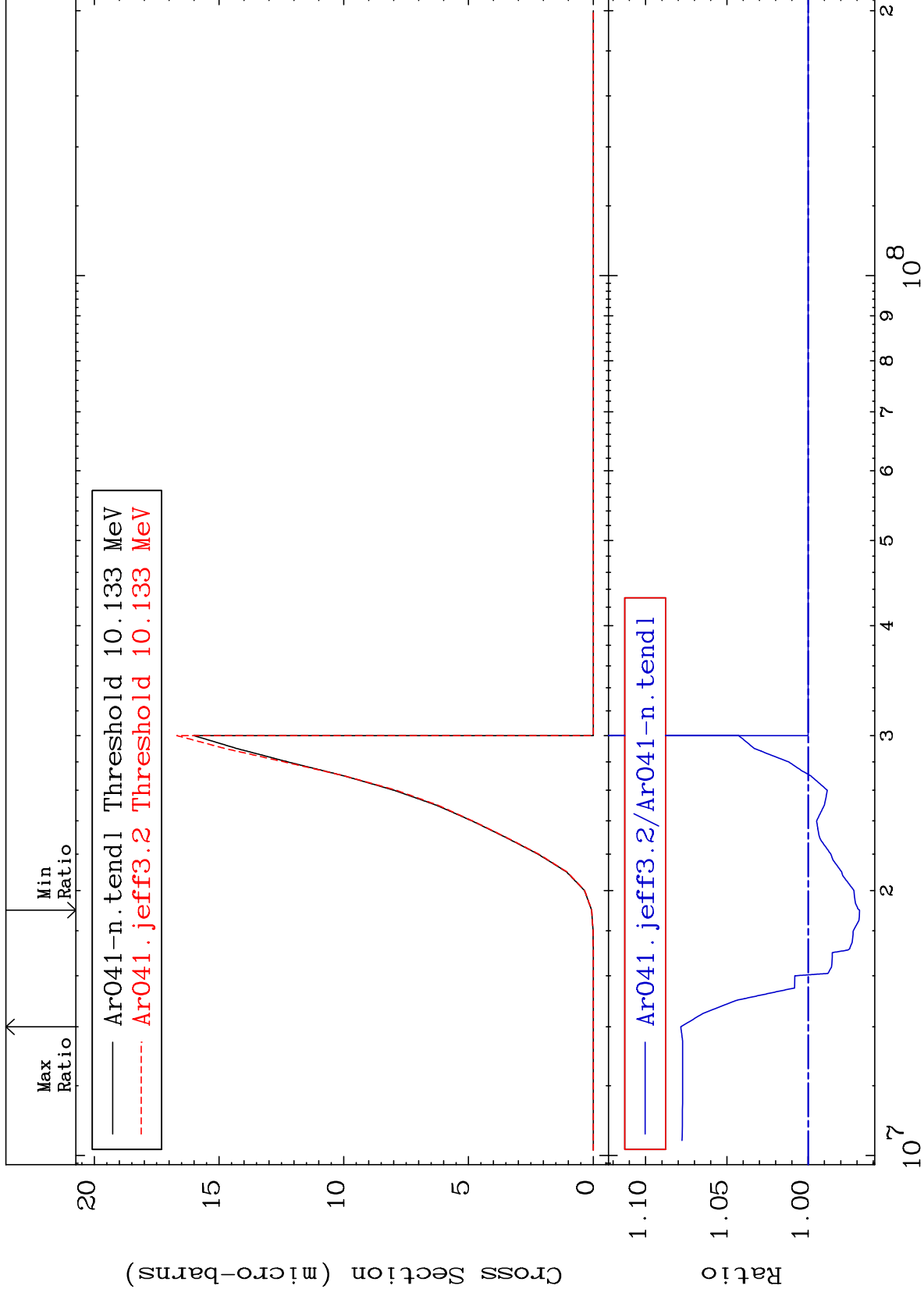
MAT 1840

(n,2α)

18-Ar-41

Cross Section

-3.159 To 7.839 %



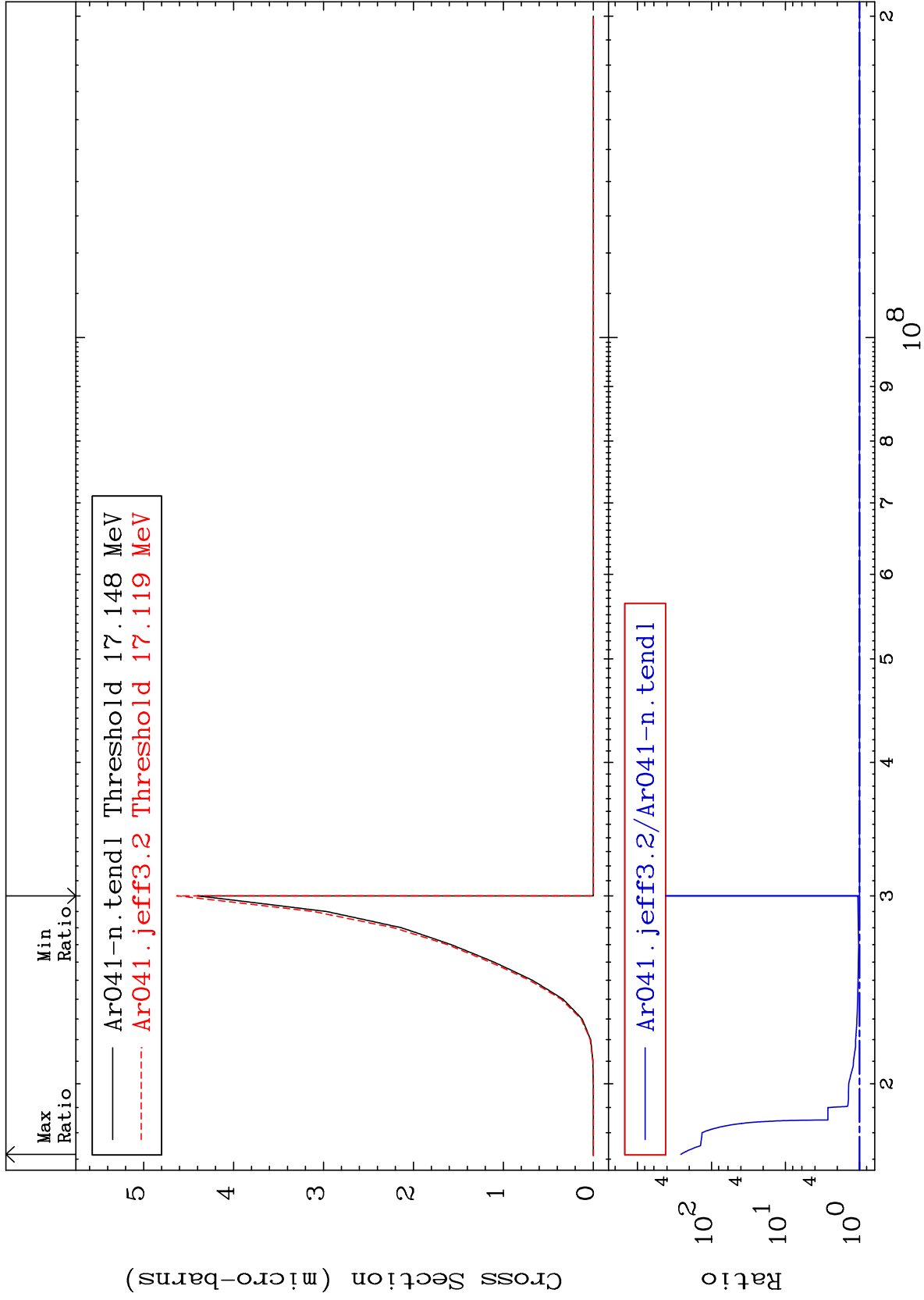
56

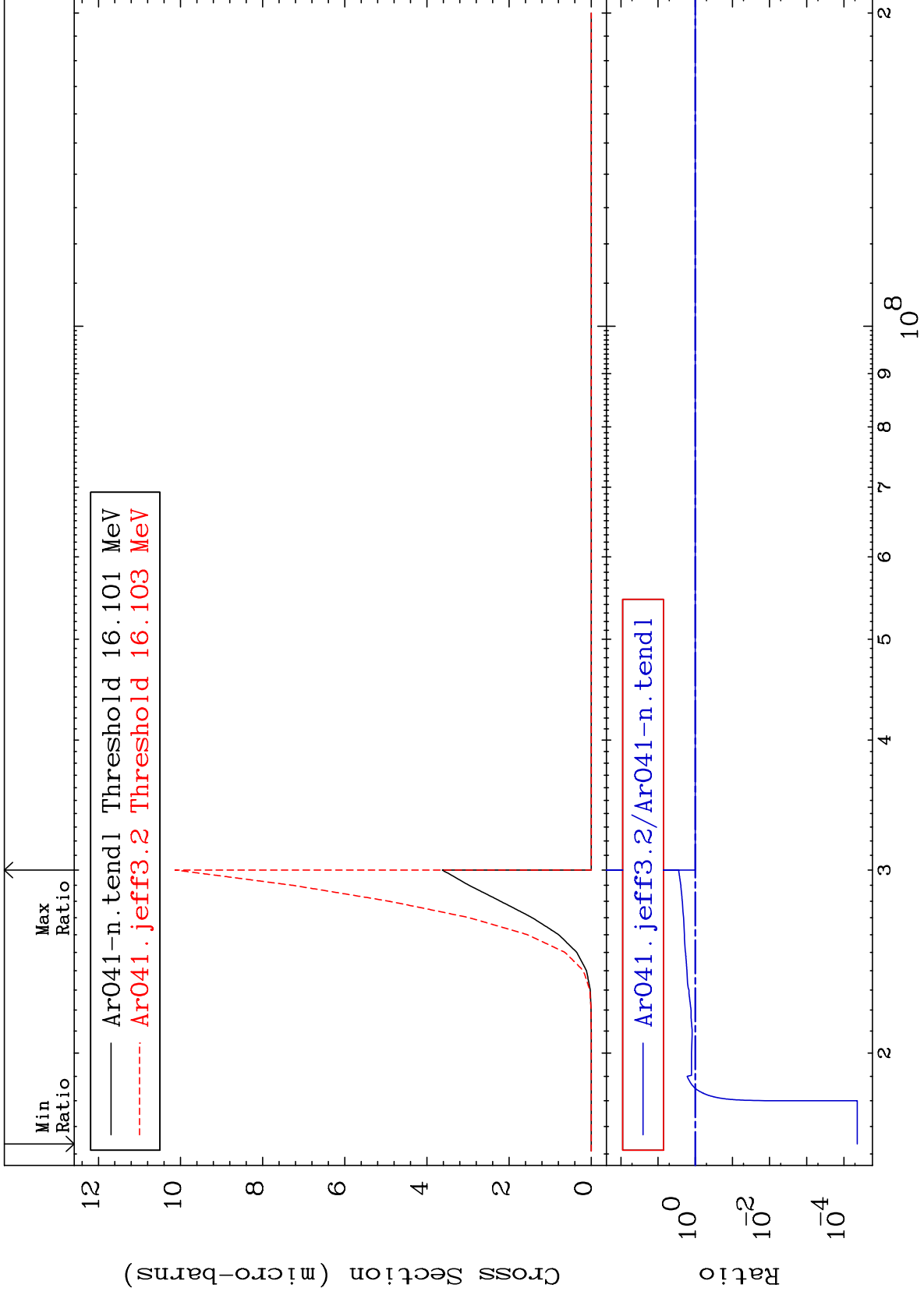
18-Ar-41

MAT 1840

(n,2p)
Cross Section

18-Ar-41
0.000 To 9999. %

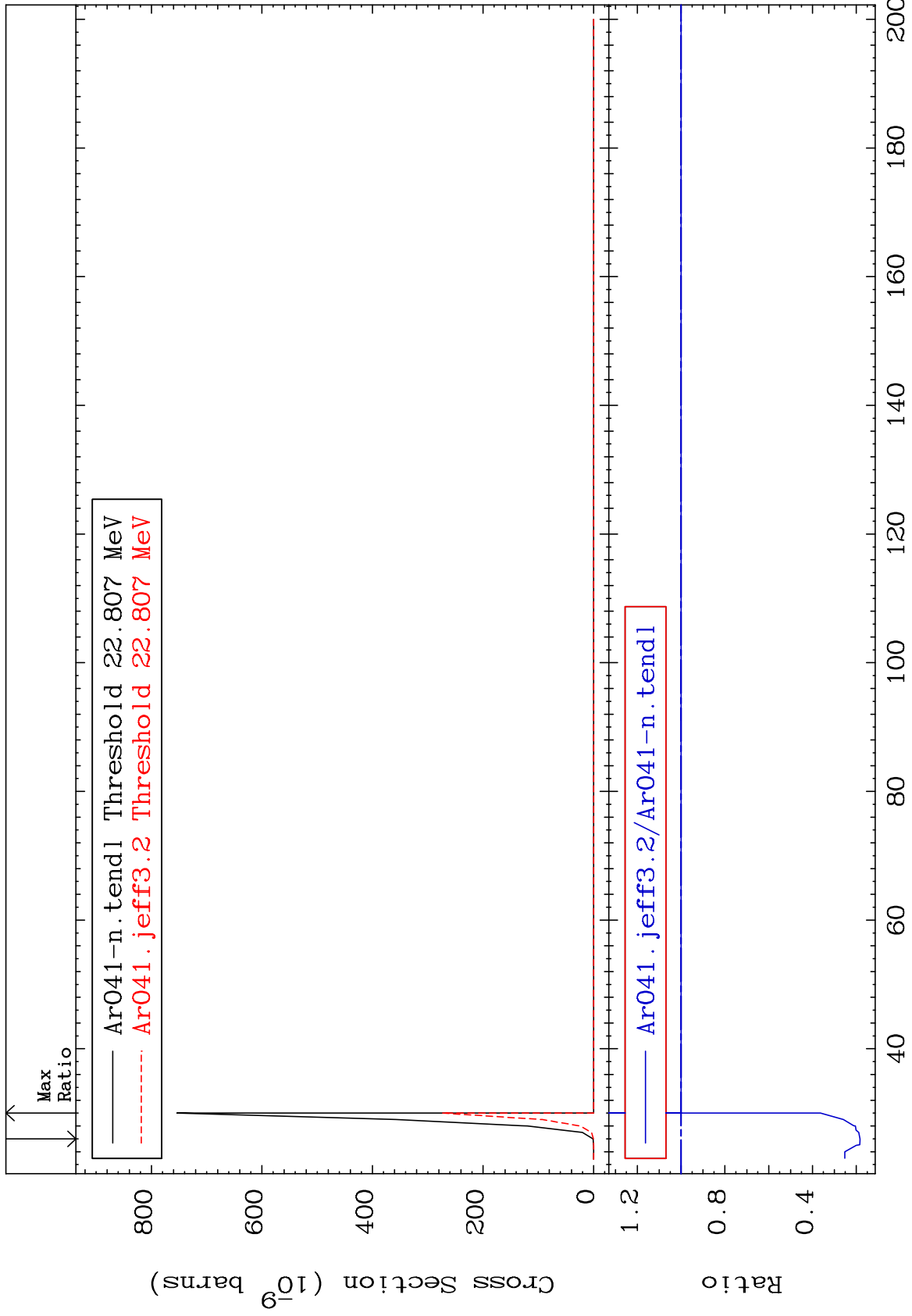




MAT 1840

(n,p) d
Cross Section

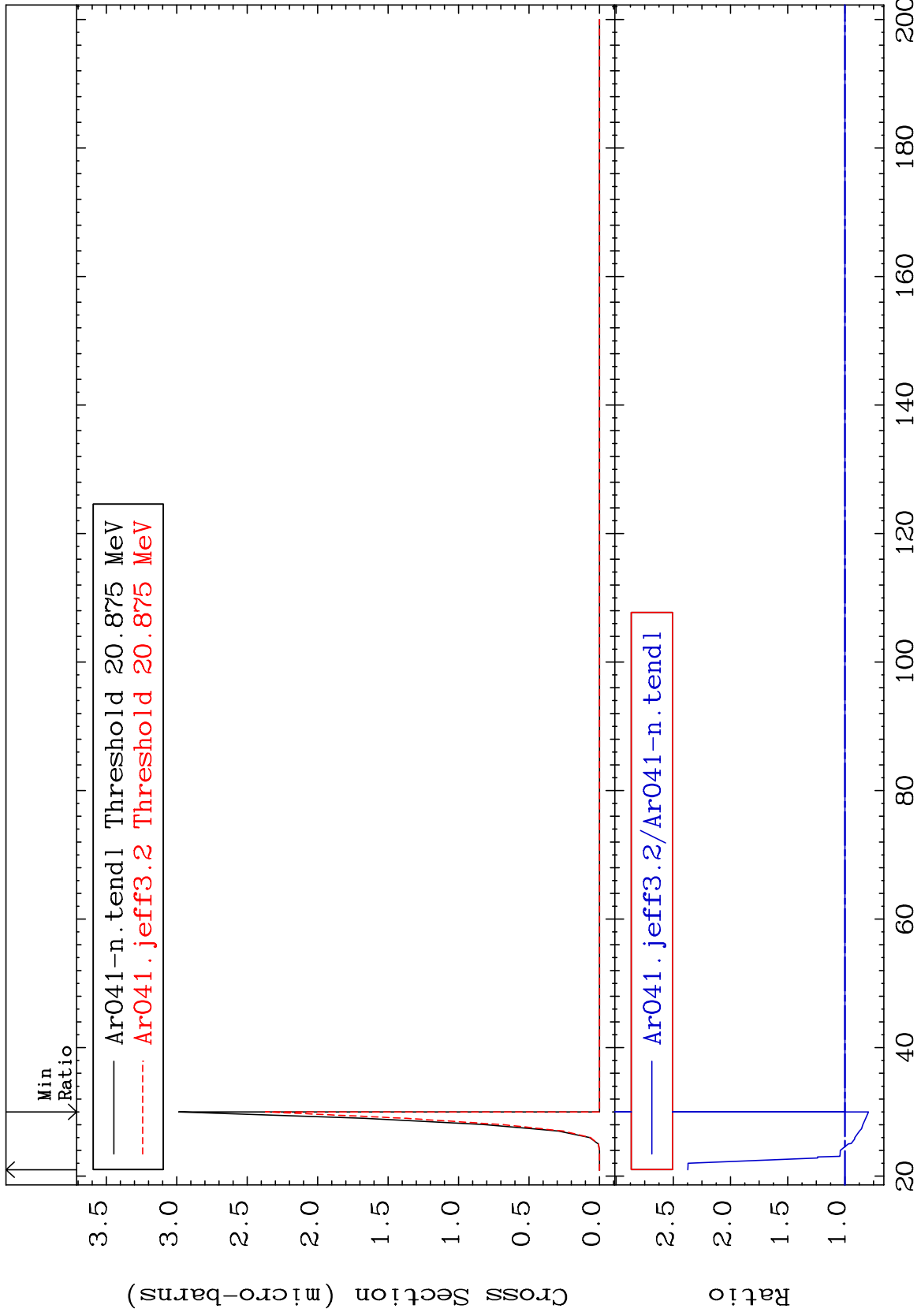
18-Ar-41
-81.71 To 0.000 %



MAT 1840

(n,p) t
Cross Section

18-Ar-41
-20.68 To 137.2 %

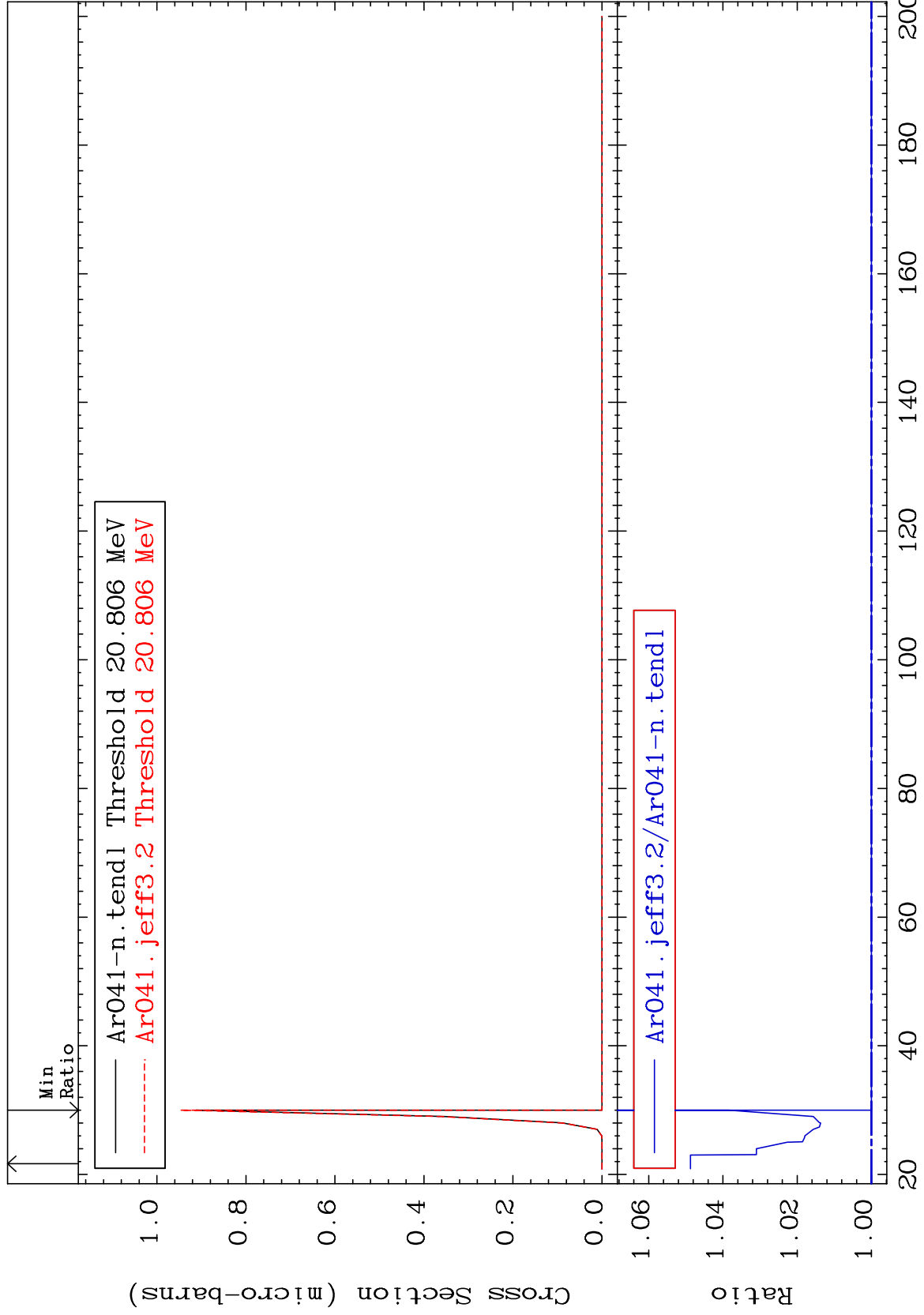


18-Ar-41

MAT 1840

(n,d) α
Cross Section

18-Ar-41
0.000 To 4.873 %



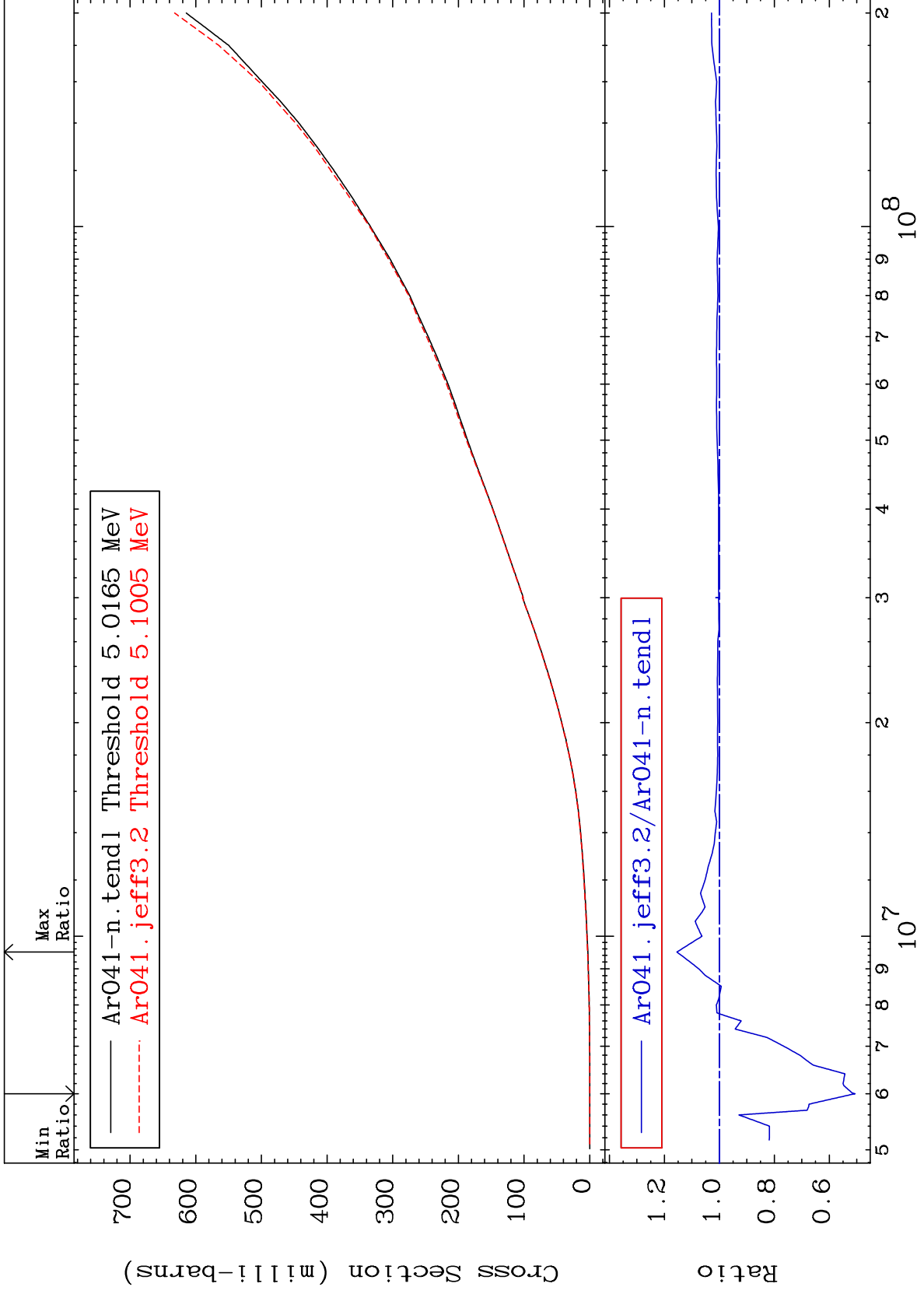
61

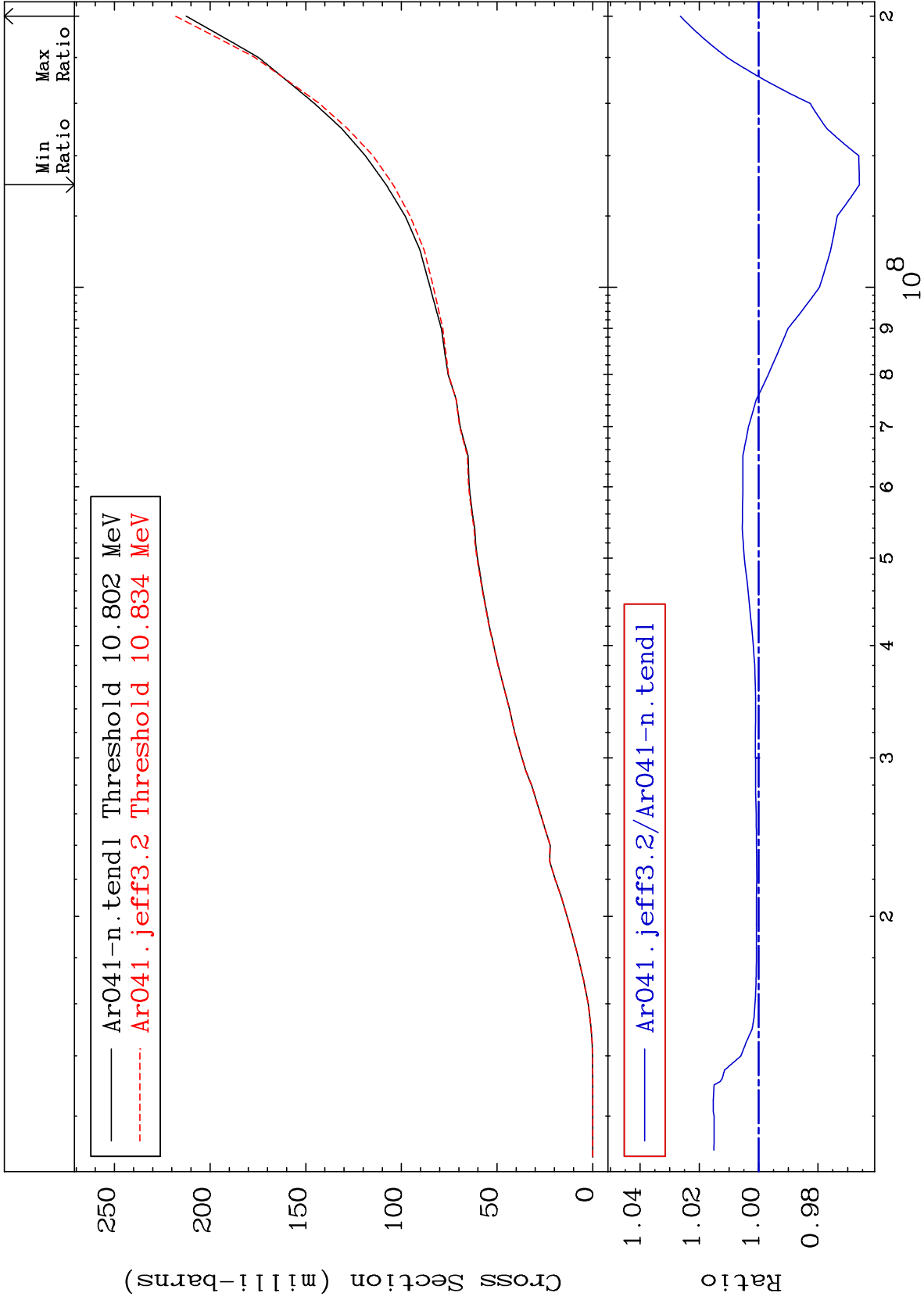
18-Ar-41

MAT 1840

Hydrogen Production
Cross Section

18-Ar-41
-49.39 To 15.44 %

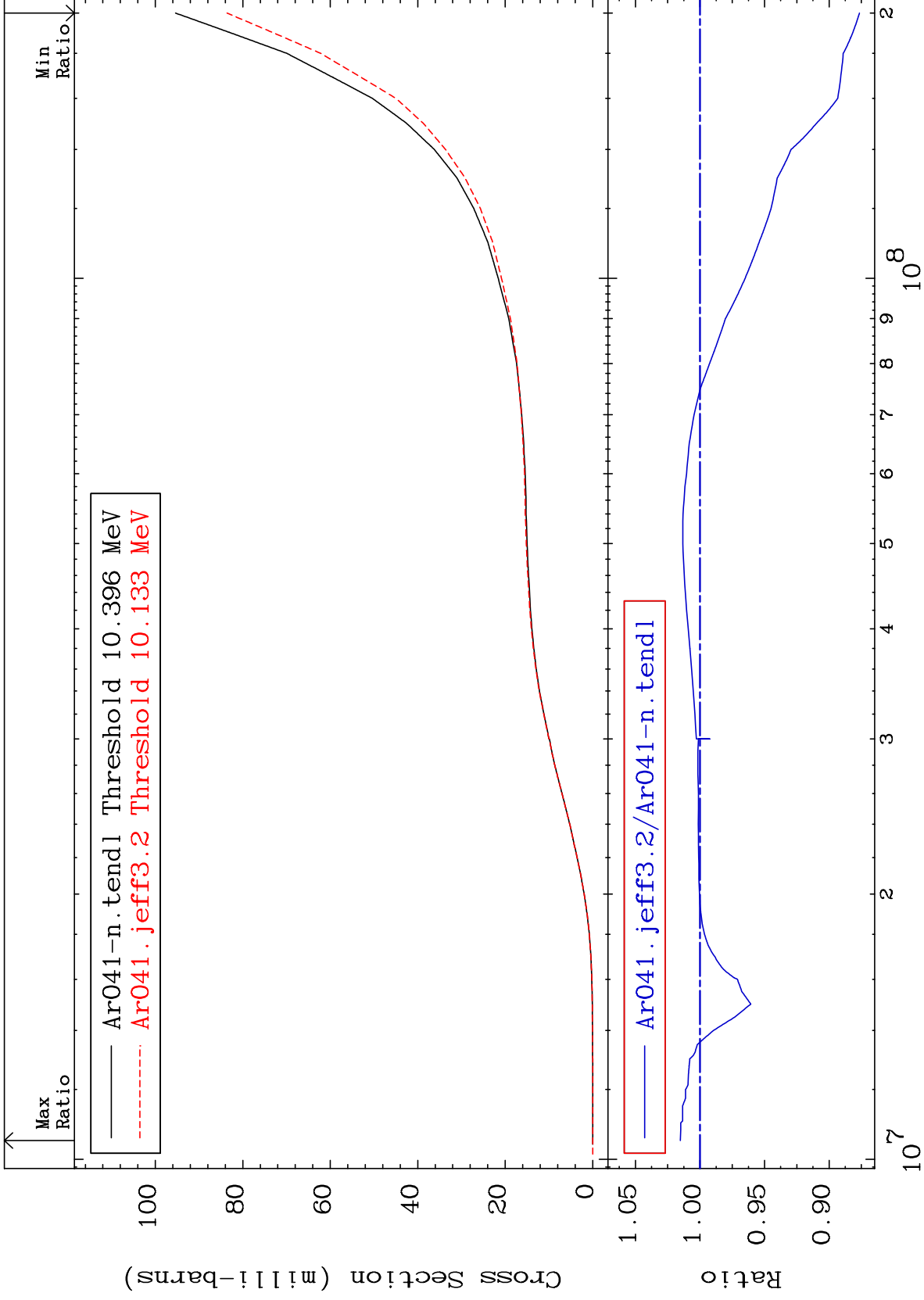




MAT 1840

Tritium Production
Cross Section

18-Ar-41
-12.35 To 1.519 %



64

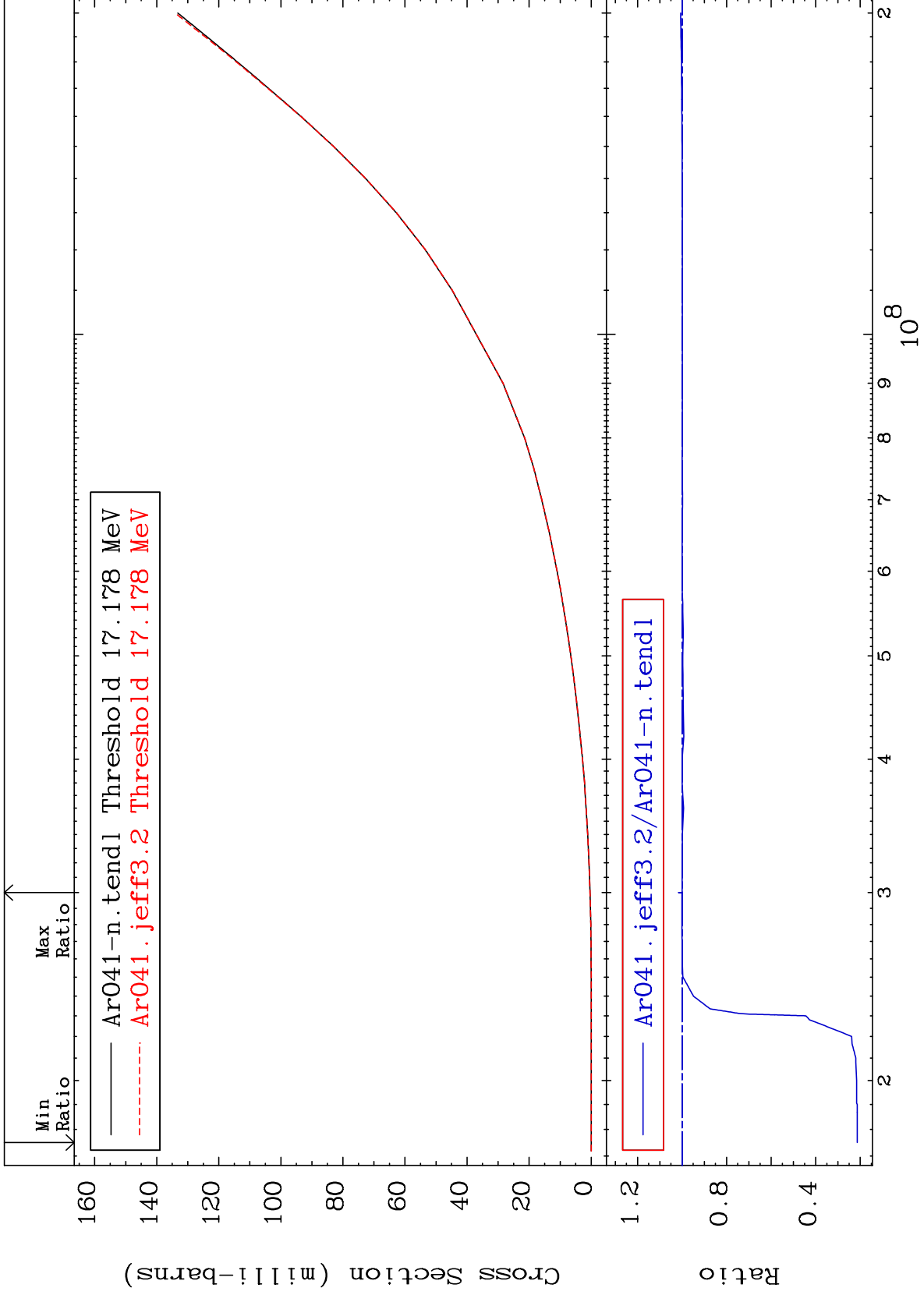
Incident Energy (eV)

18-Ar-41

MAT 1840

He-3 Production
Cross Section

18-Ar-41
-78.66 To 1.548 %



65

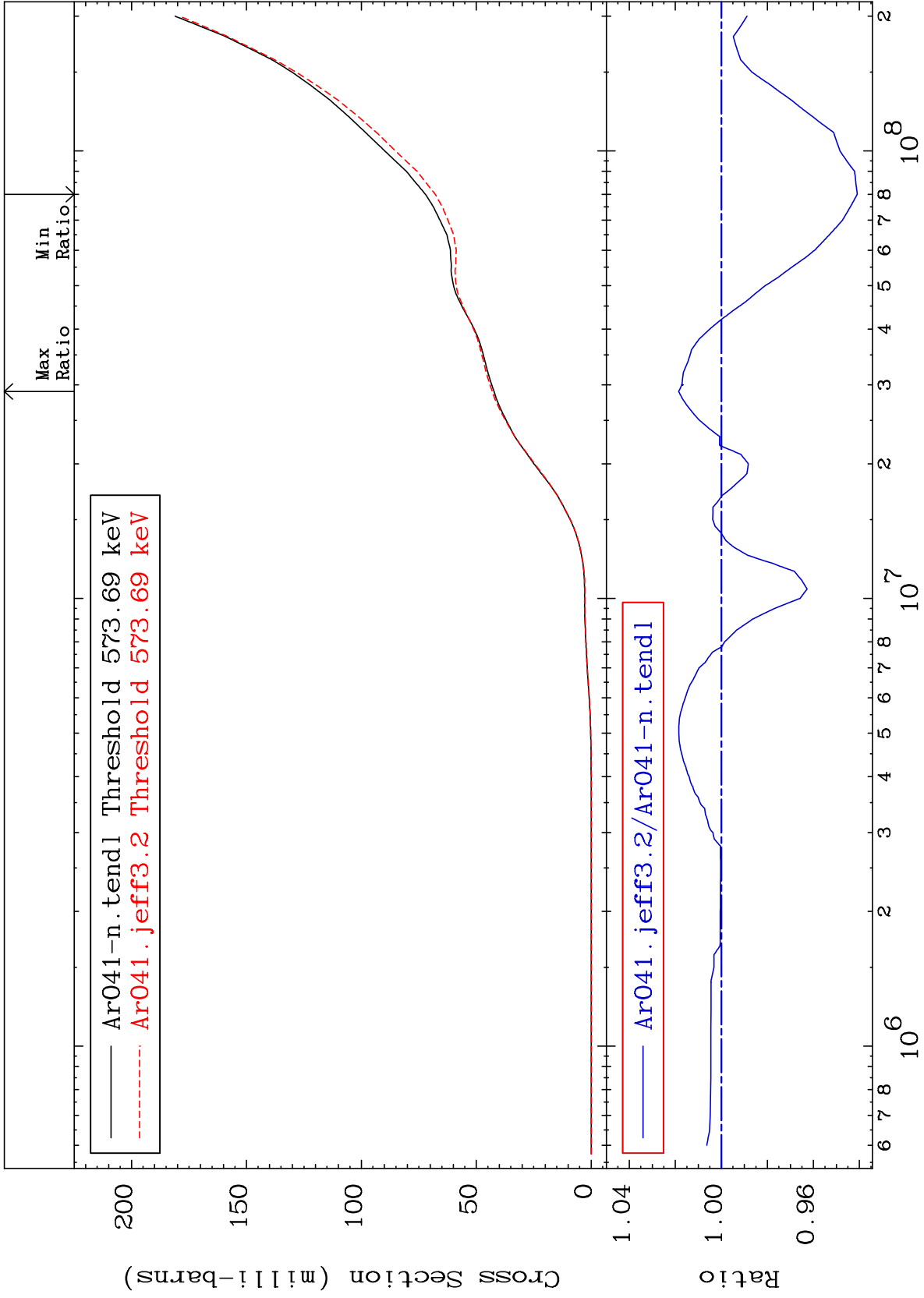
Incident Energy (eV)

18-Ar-41

MAT 1840

He-4 Production
Cross Section

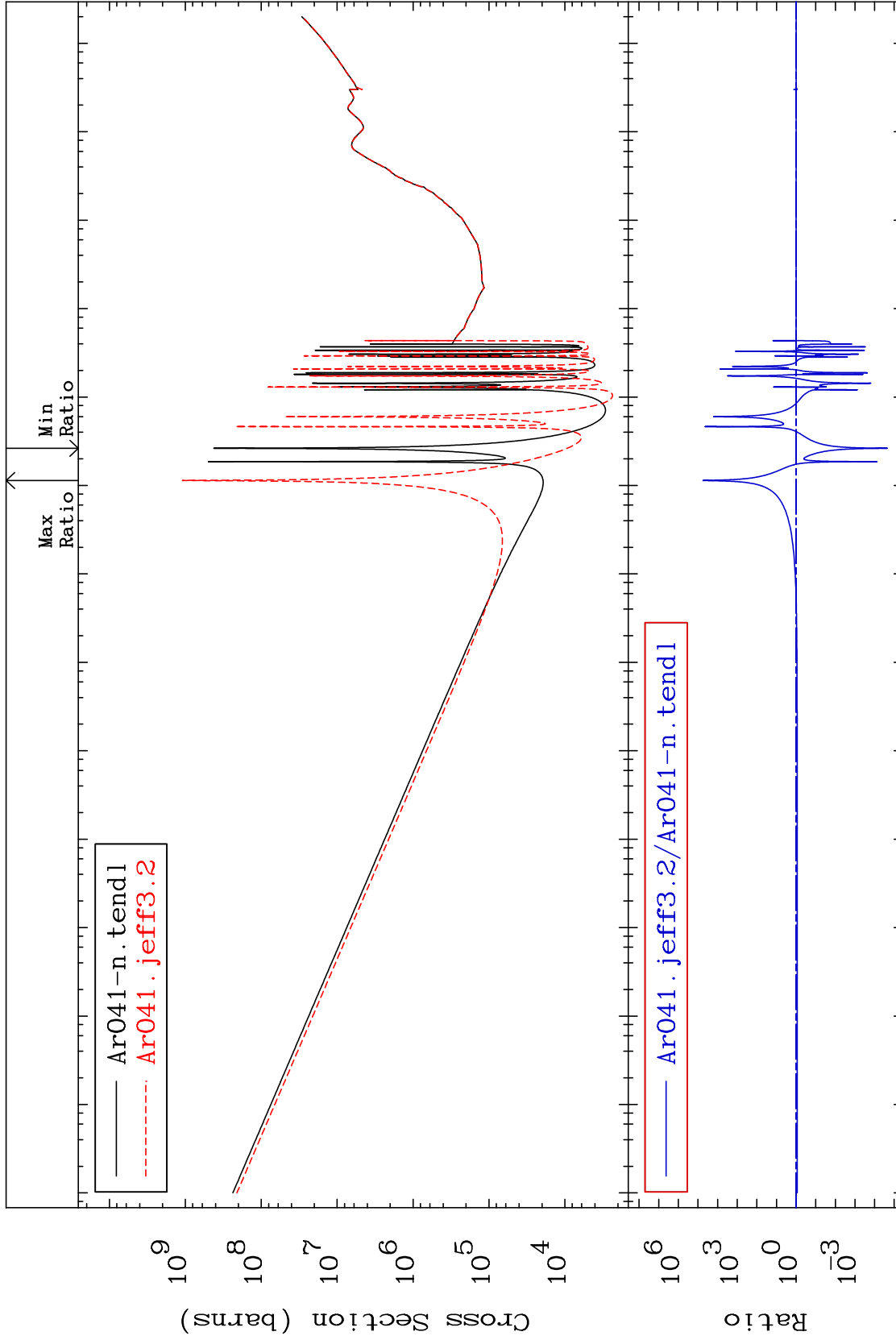
18-Ar-41
-5.905 To 1.857 %

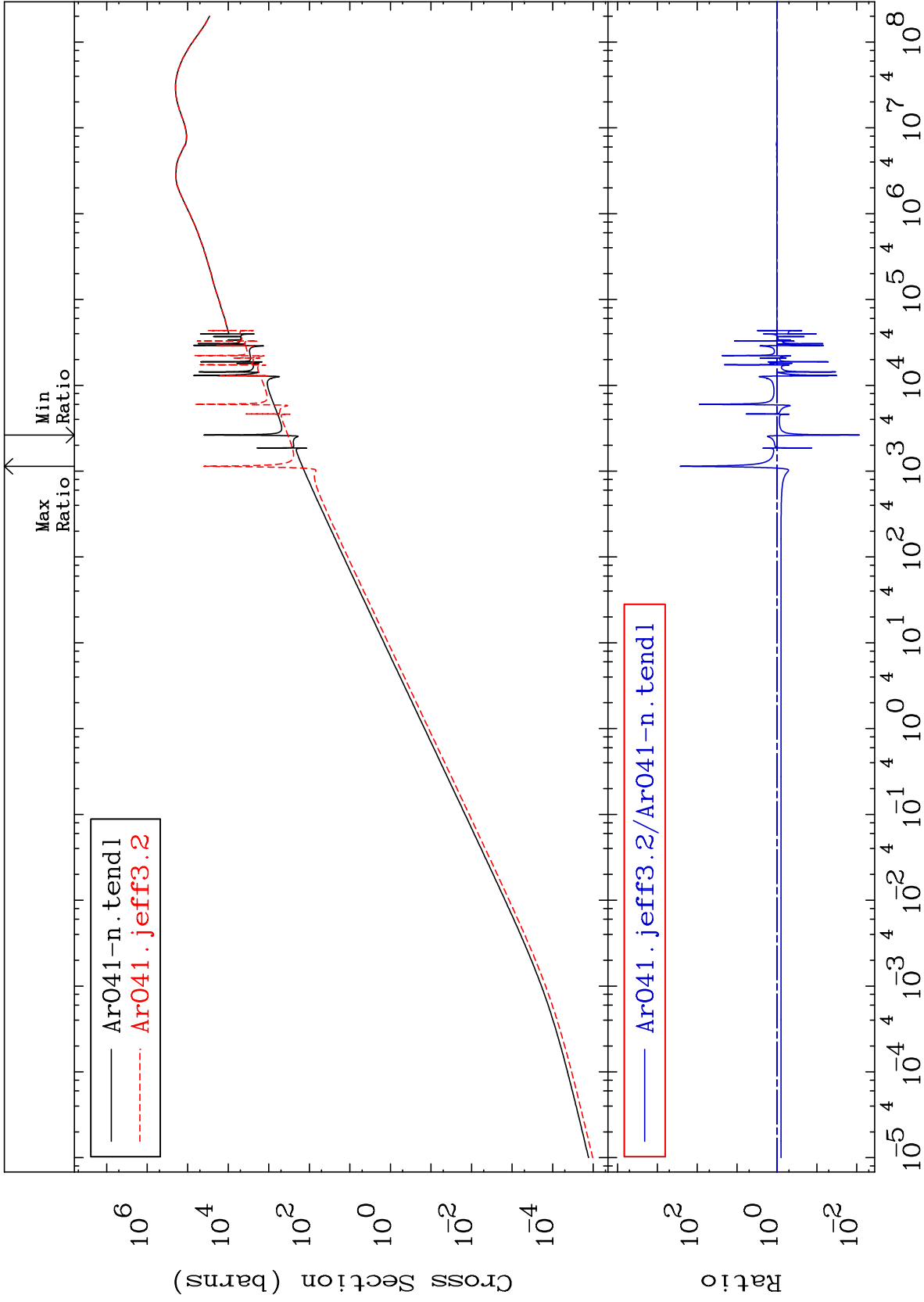


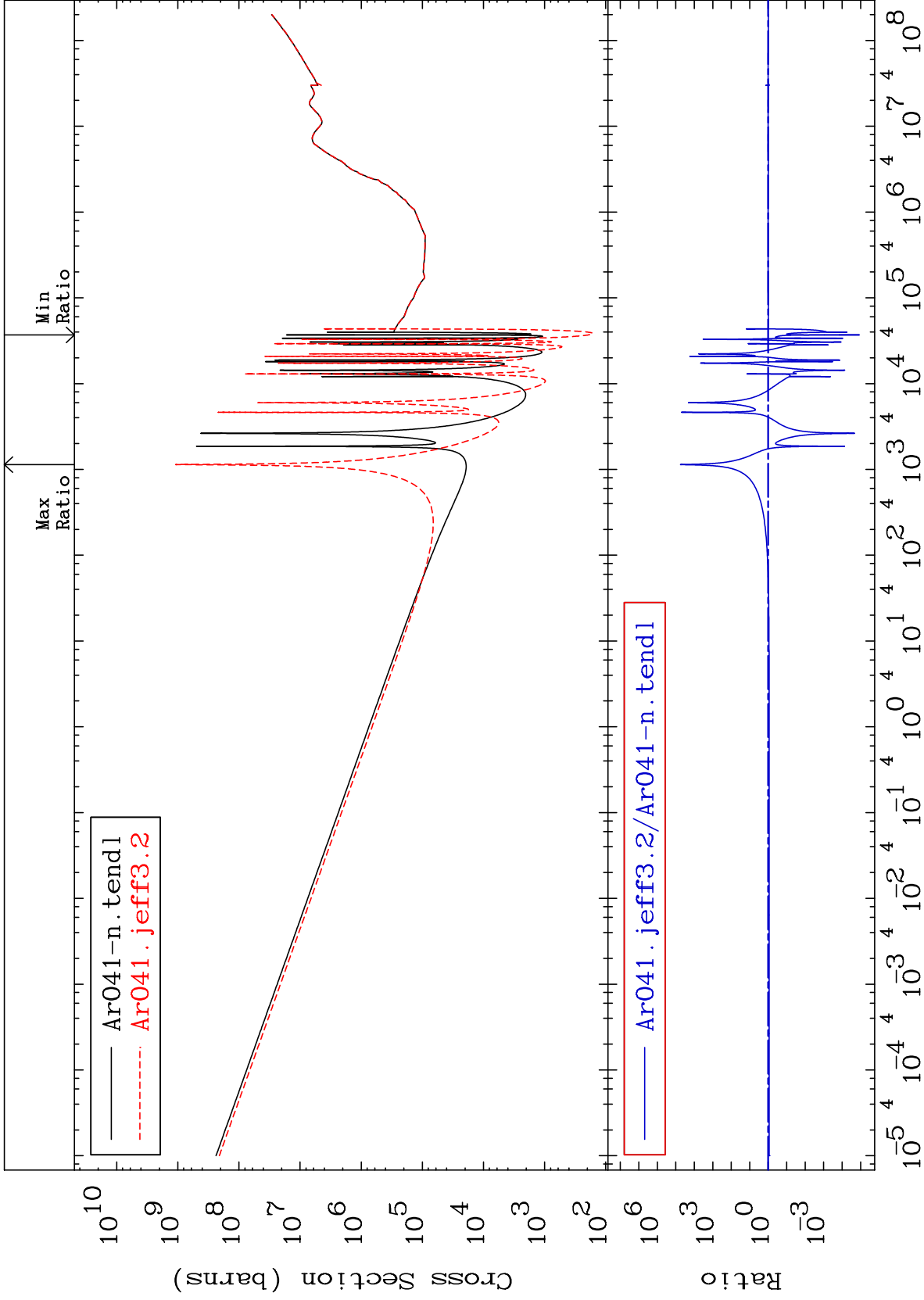
66

Incident Energy (eV)

18-Ar-41



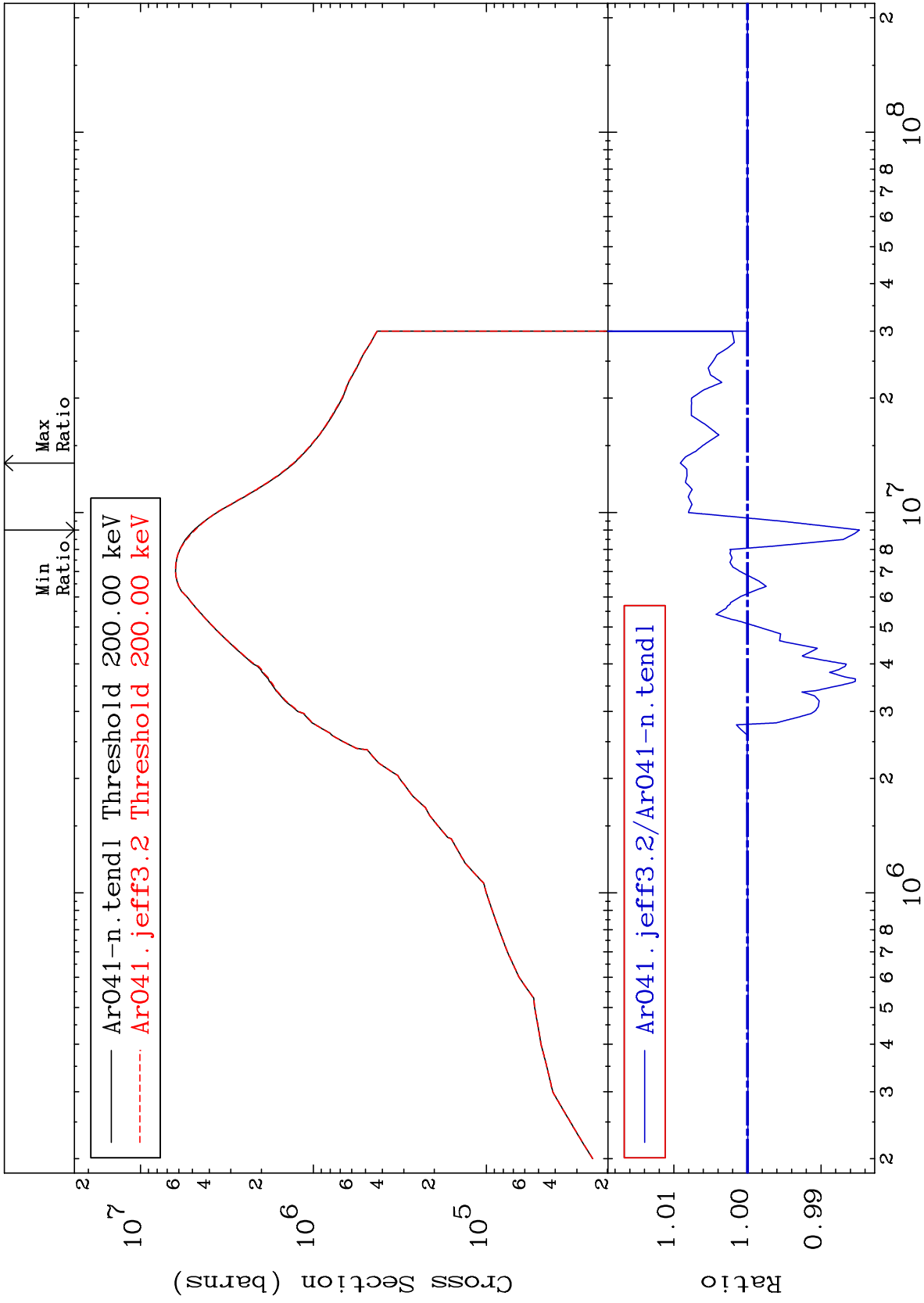




MAT 1840

Kerma inelastic (mt51-91)
Cross Section

18-Ar-41
-1.523 To 0.912 %



70

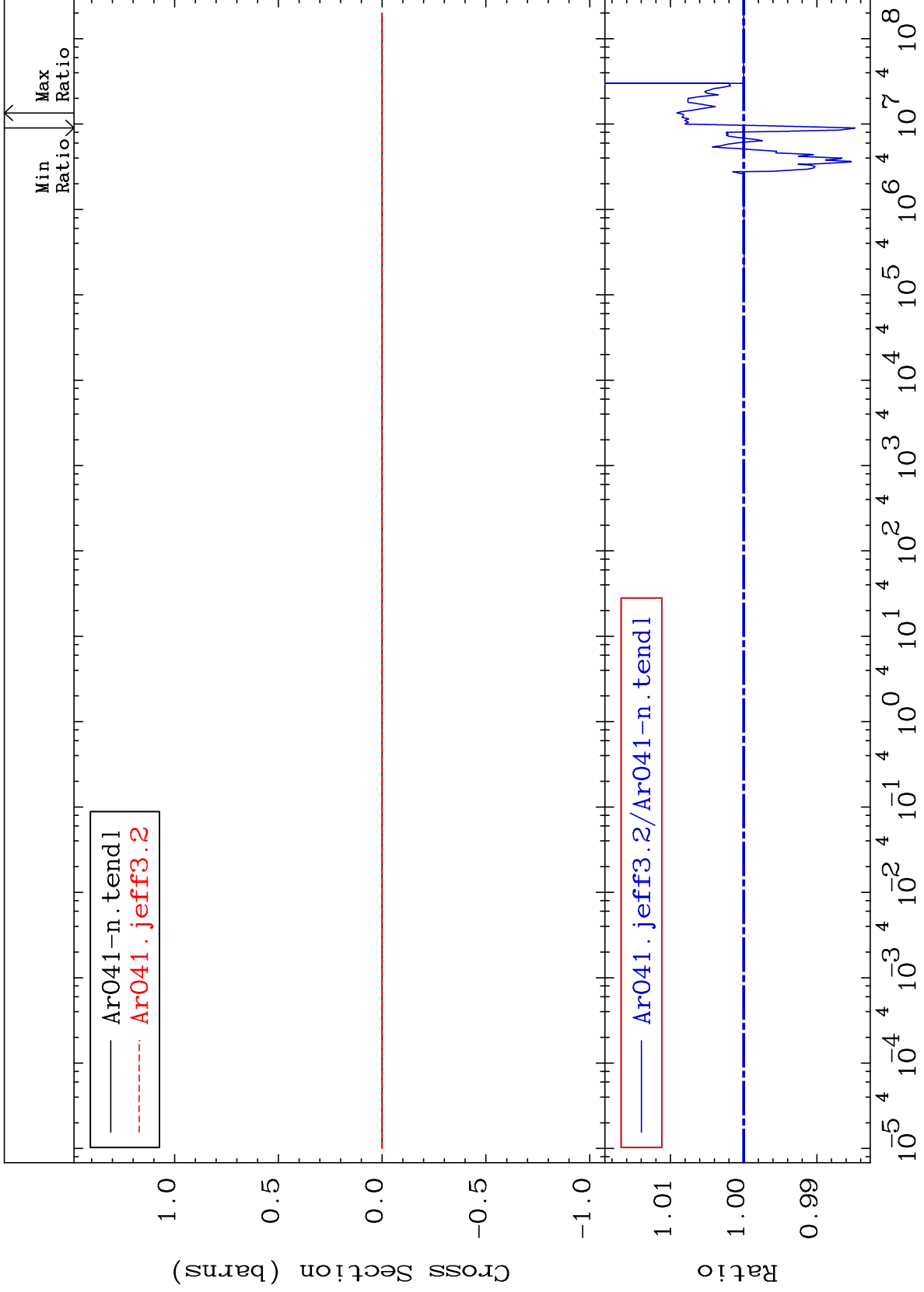
Incident Energy (eV)

18-Ar-41

MAT 1840

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

18-Ar-41
-1.523 To 0.912 %



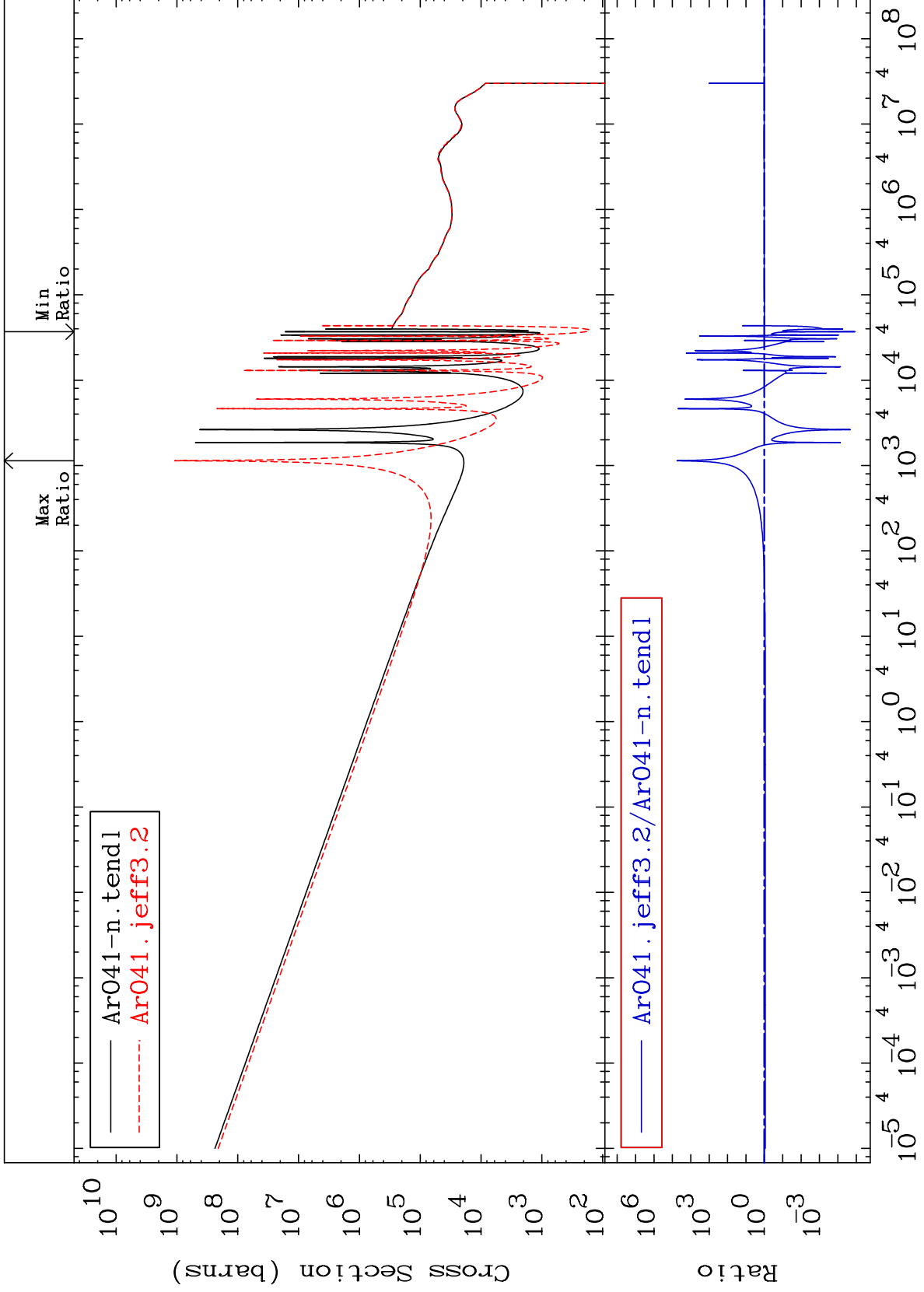
71

18-Ar-41

MAT 1840

Kerma capture (mt102)
Cross Section

18-Ar-41
-100.0 To 9999. %



72

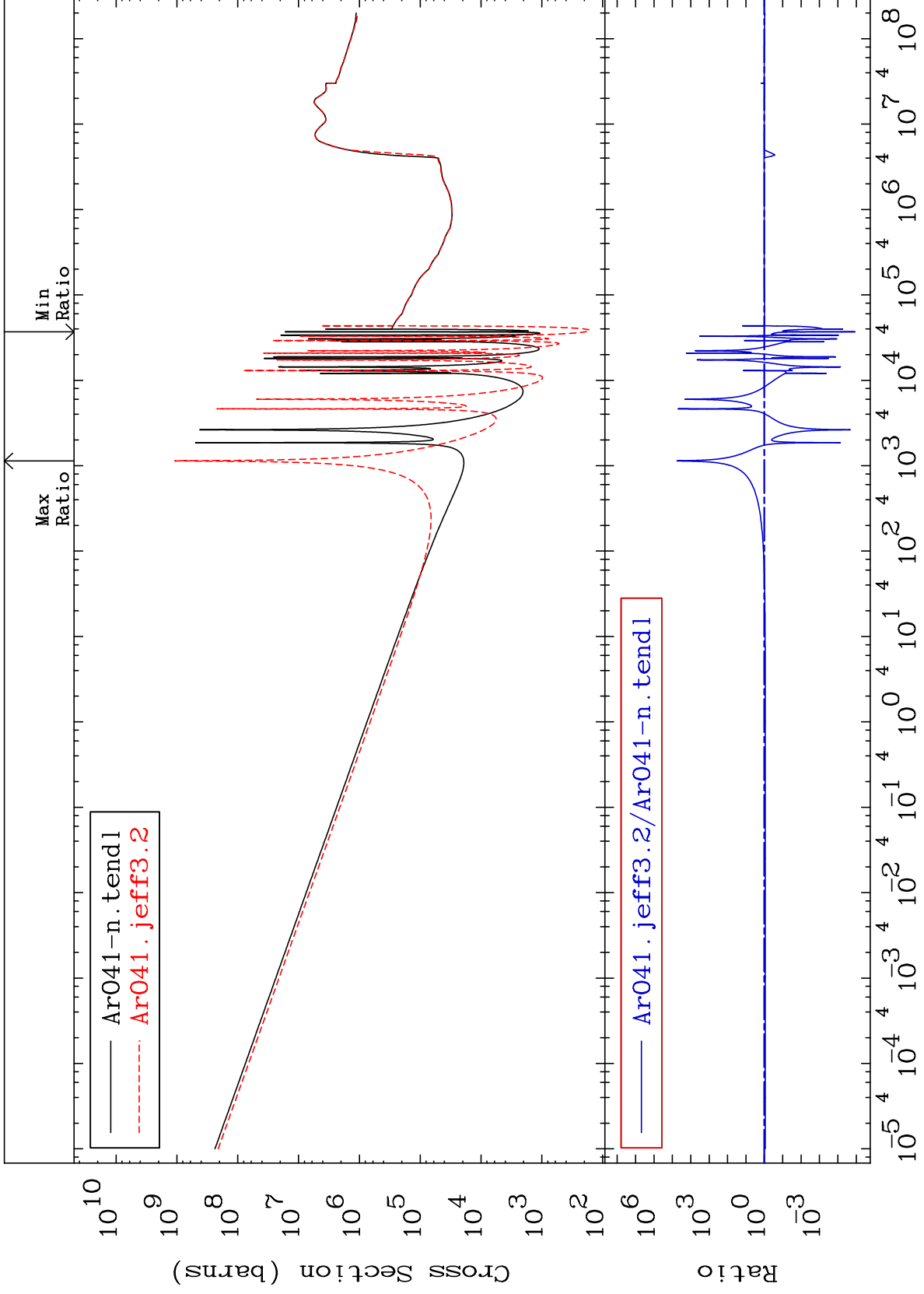
Incident Energy (eV)

18-Ar-41

MAT 1840

Total photon (eV-barns)
Cross Section

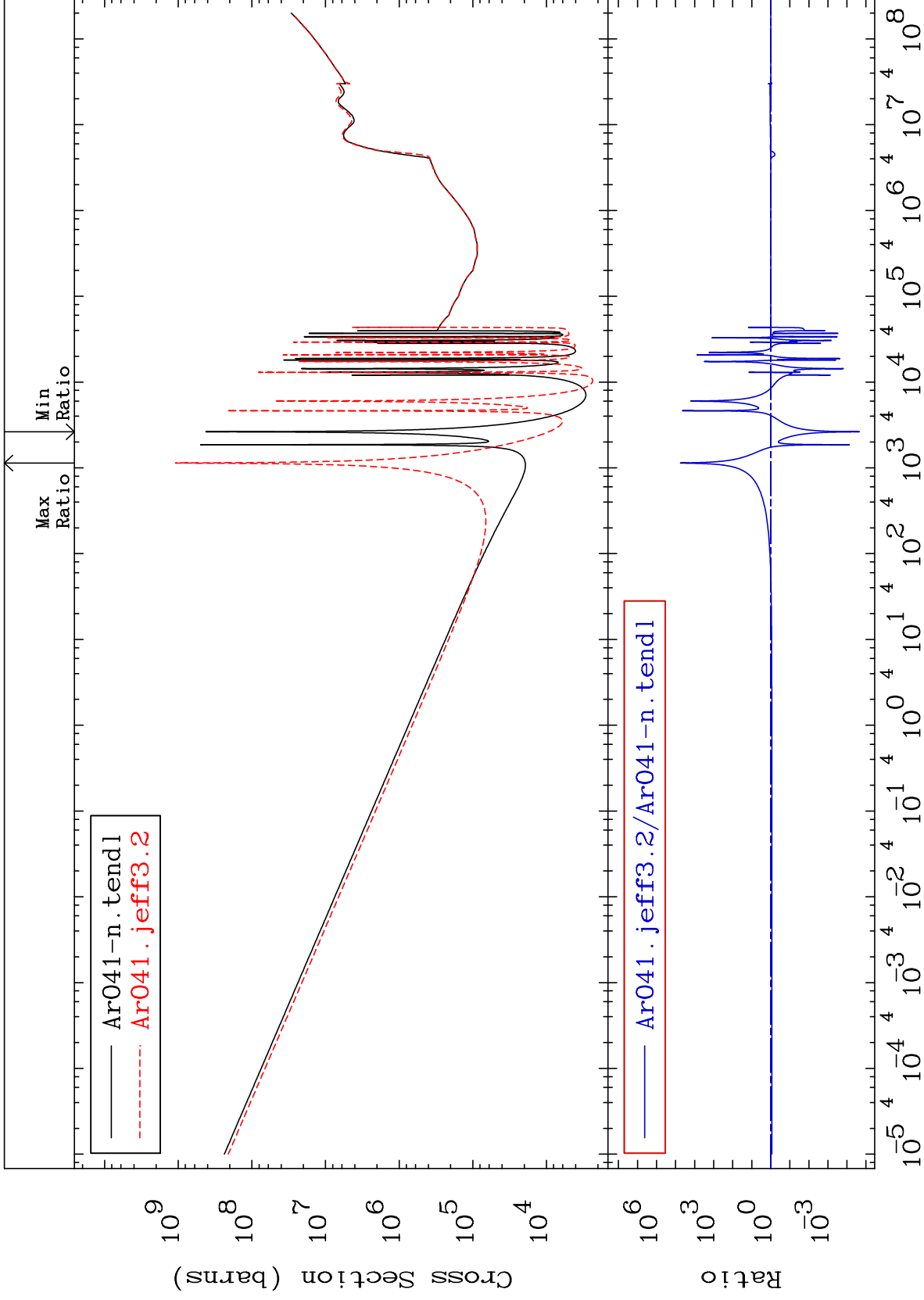
18-Ar-41
-100.0 To 9999. %

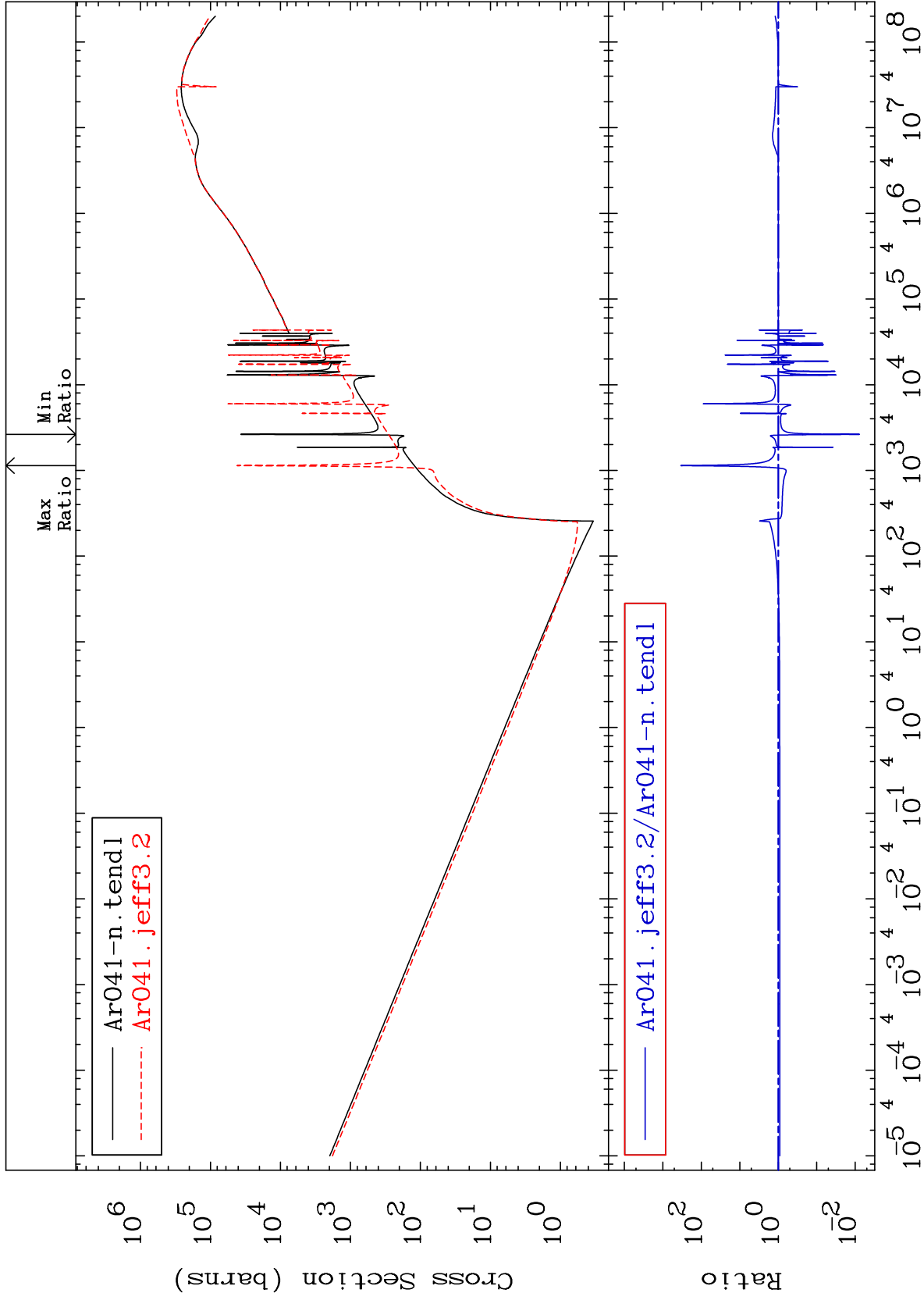


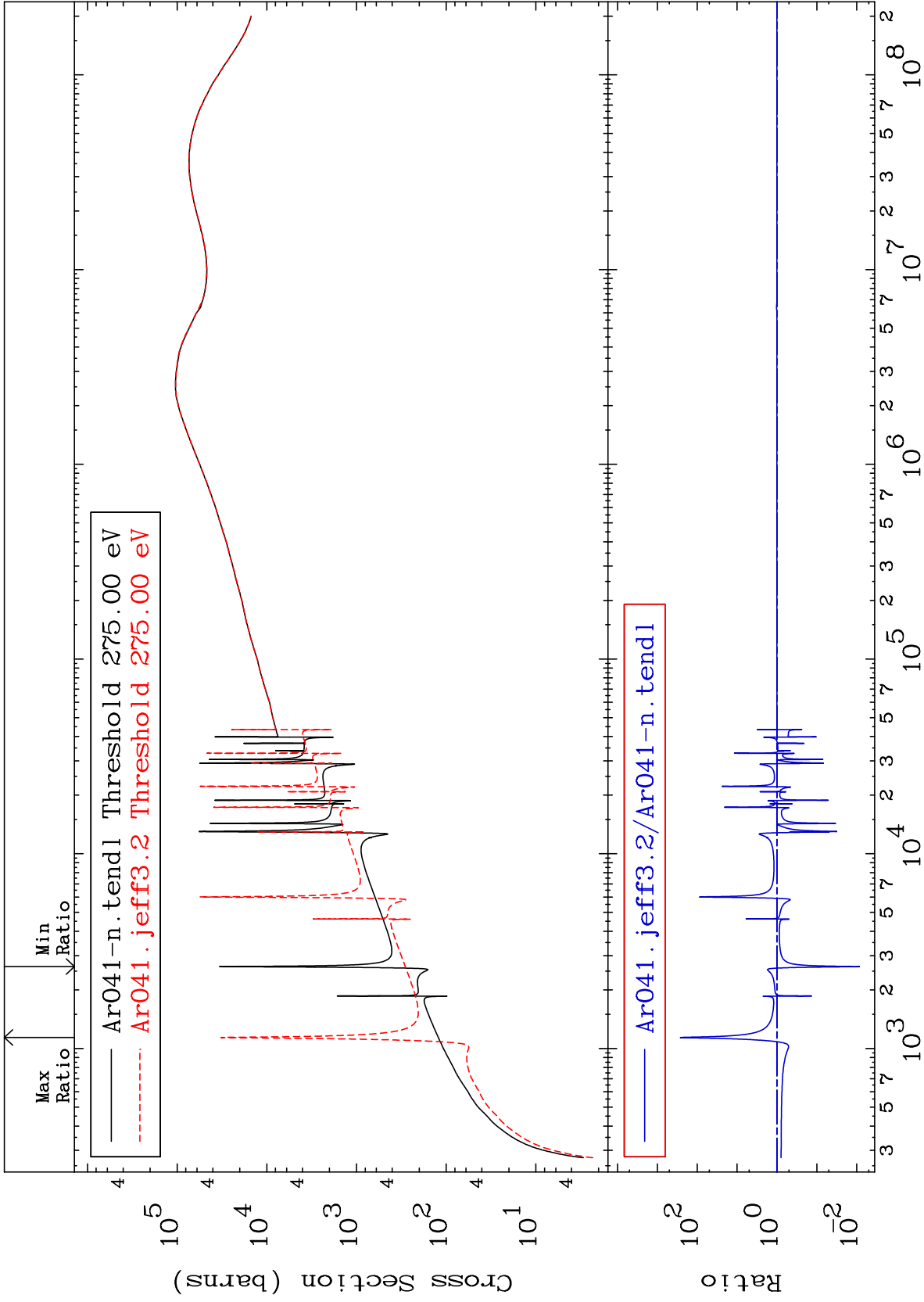
73

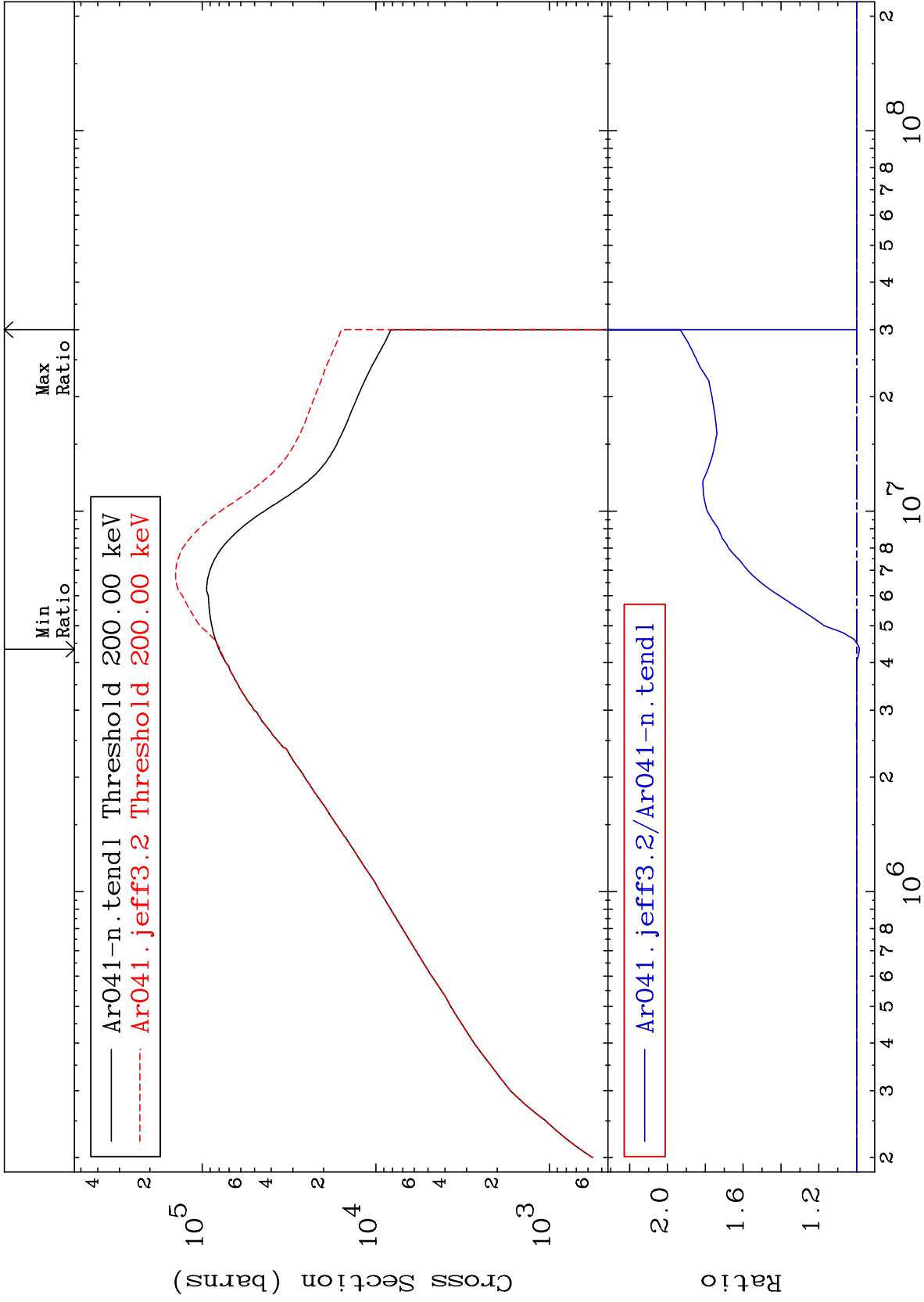
Incident Energy (eV)

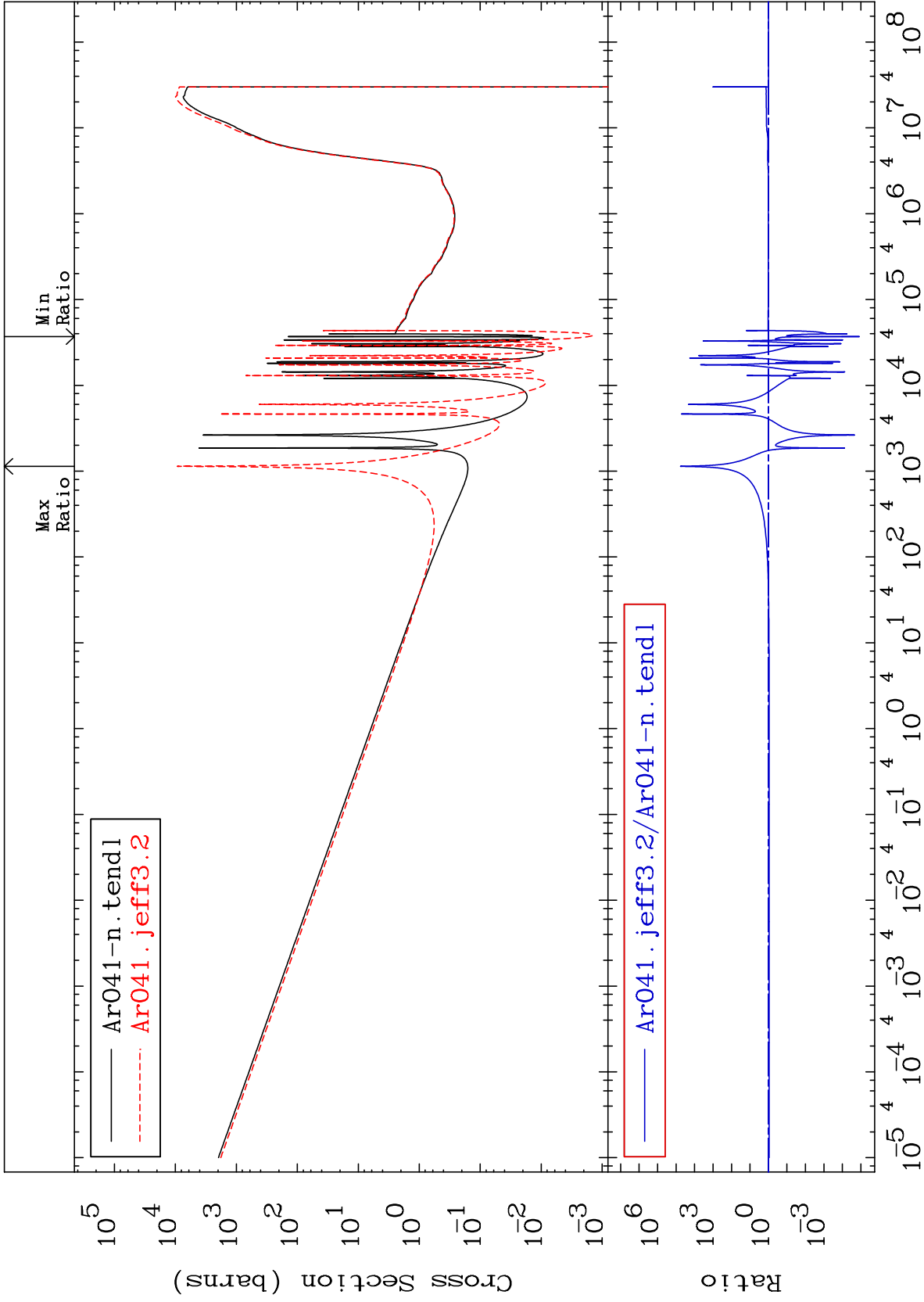
18-Ar-41





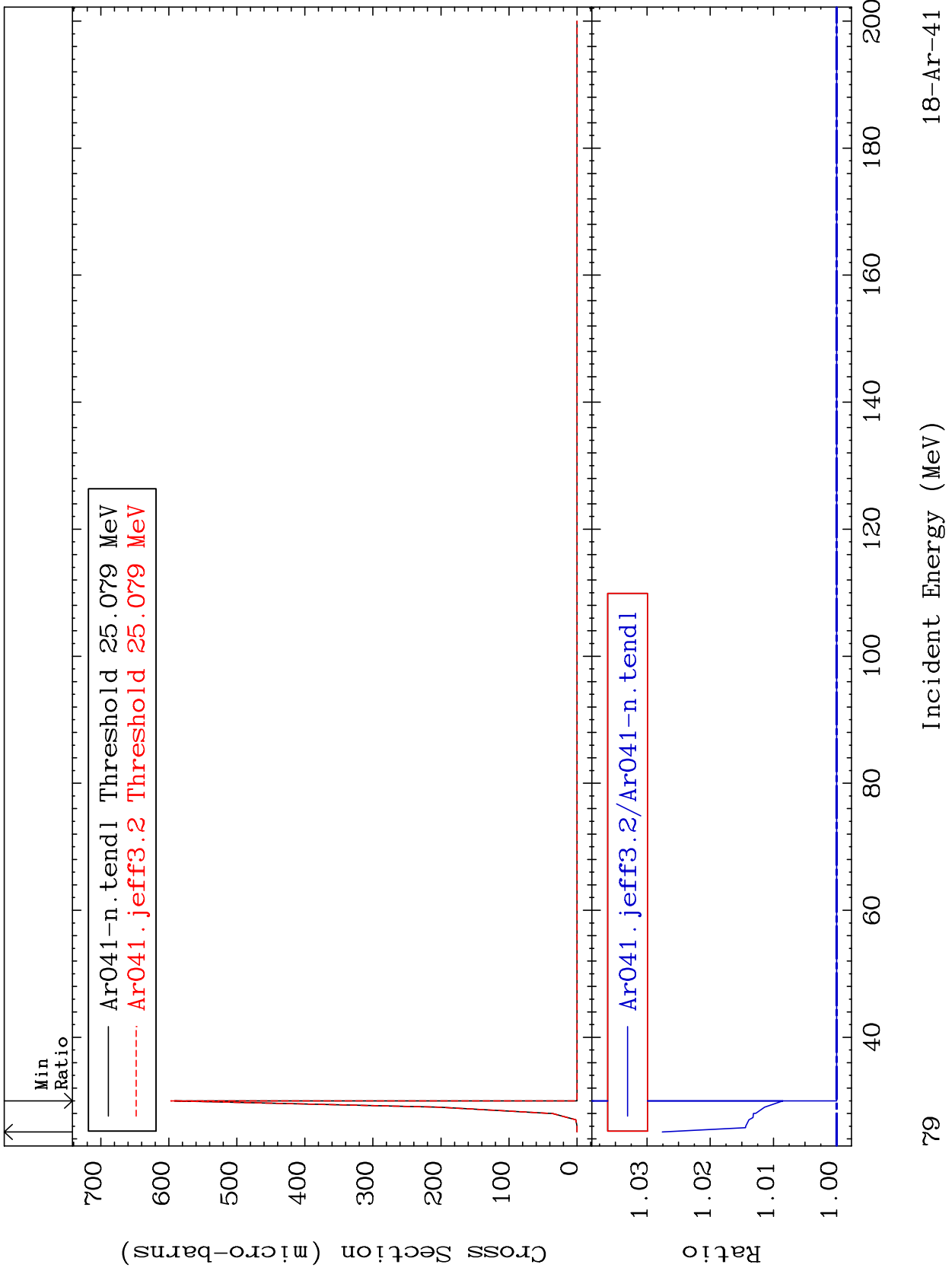






MAT 1840

(n,2n) d:17-Cl-38g 18-Ar-41
Radionuclide Production Cross Section 0.000 To 2.758 %

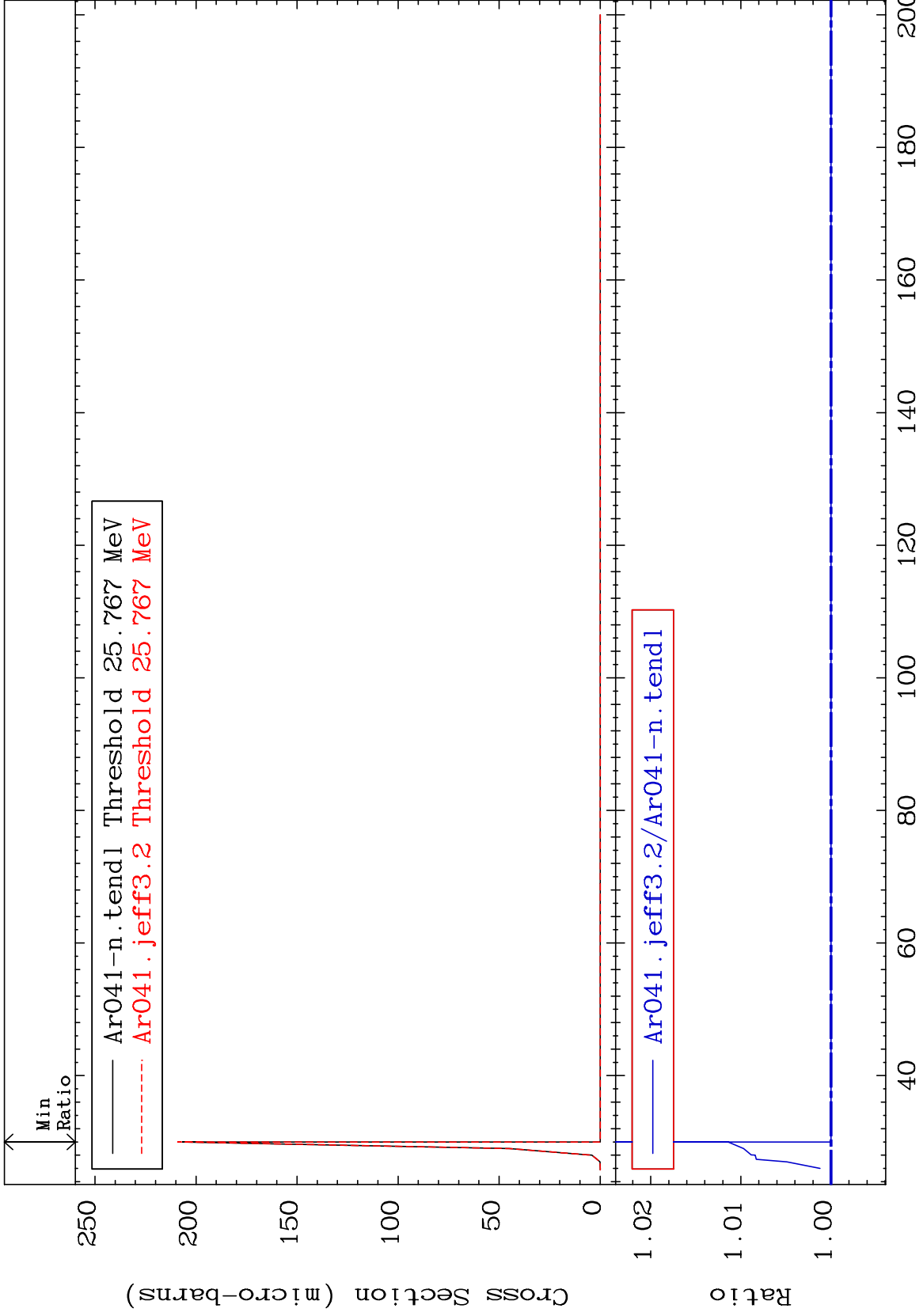


MAT 1840

(n,2n) d: 17-Cl-38m1

18-Ar-41

Radionuclide Production Cross Section 0.000 To 1.140 %



80

Incident Energy (MeV)

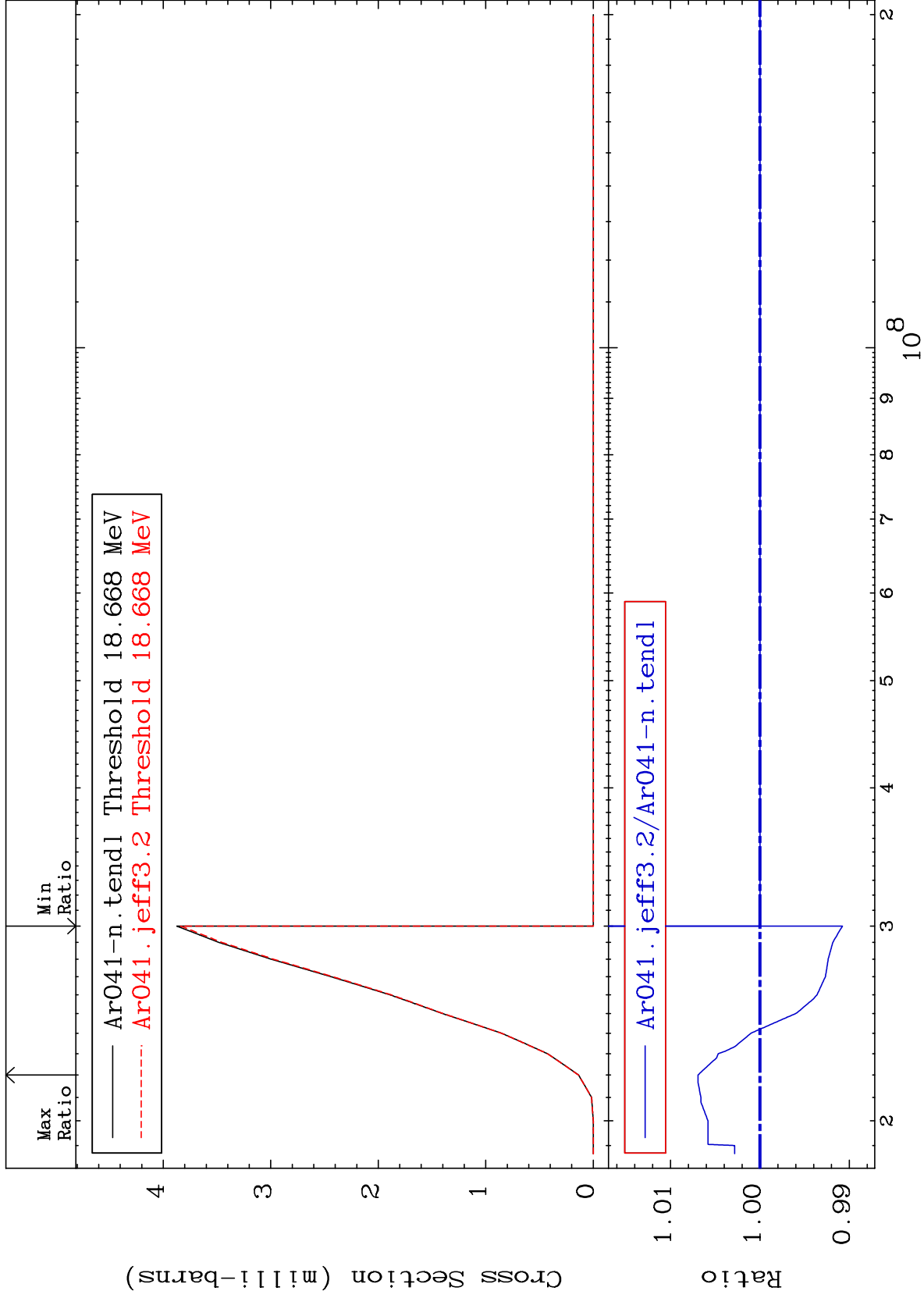
18-Ar-41

MAT 1840

(n, n') t:17-Cl-38g

18-Ar-41

Radionuclide Production Cross Section -0.921 To 0.693 %

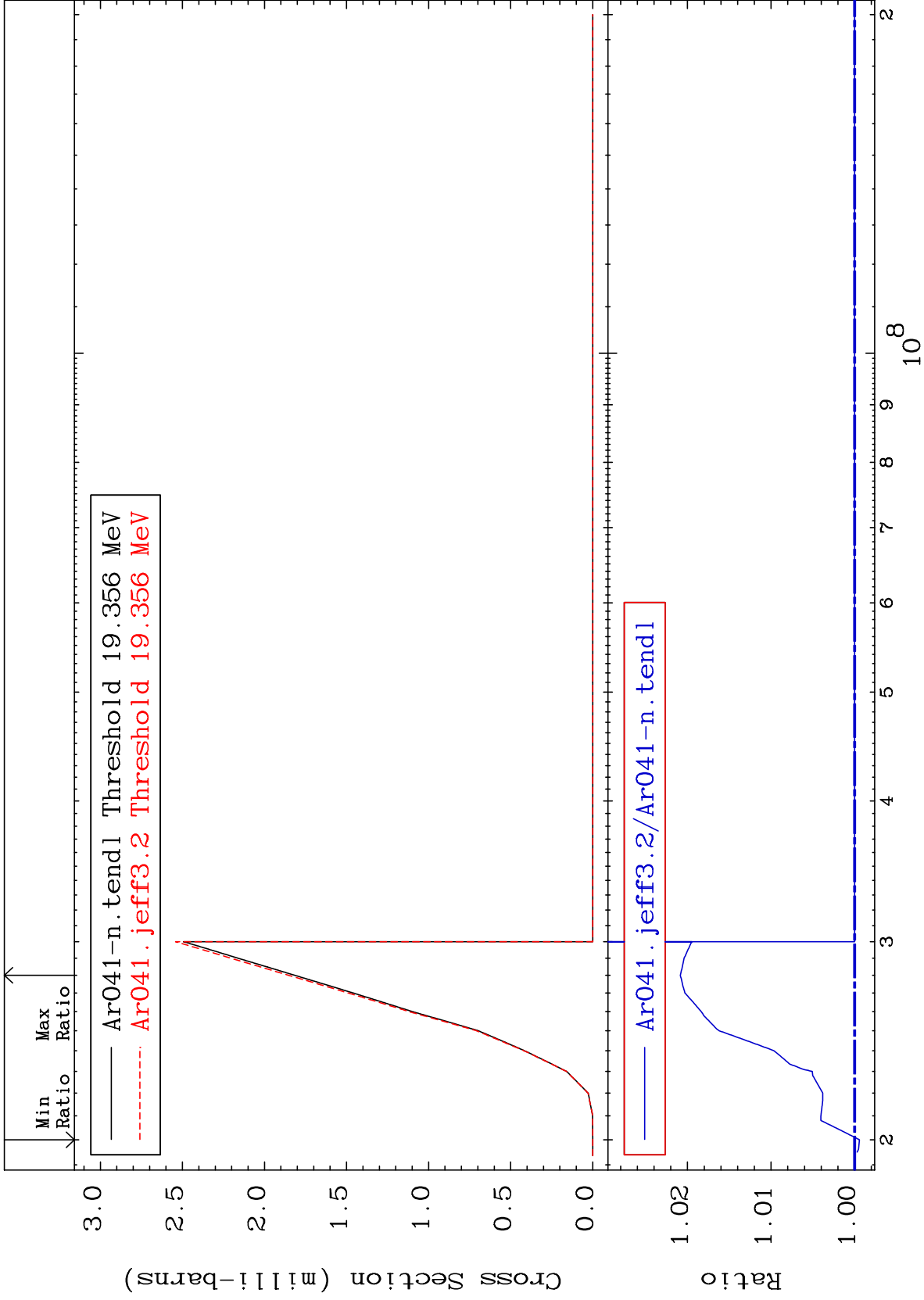


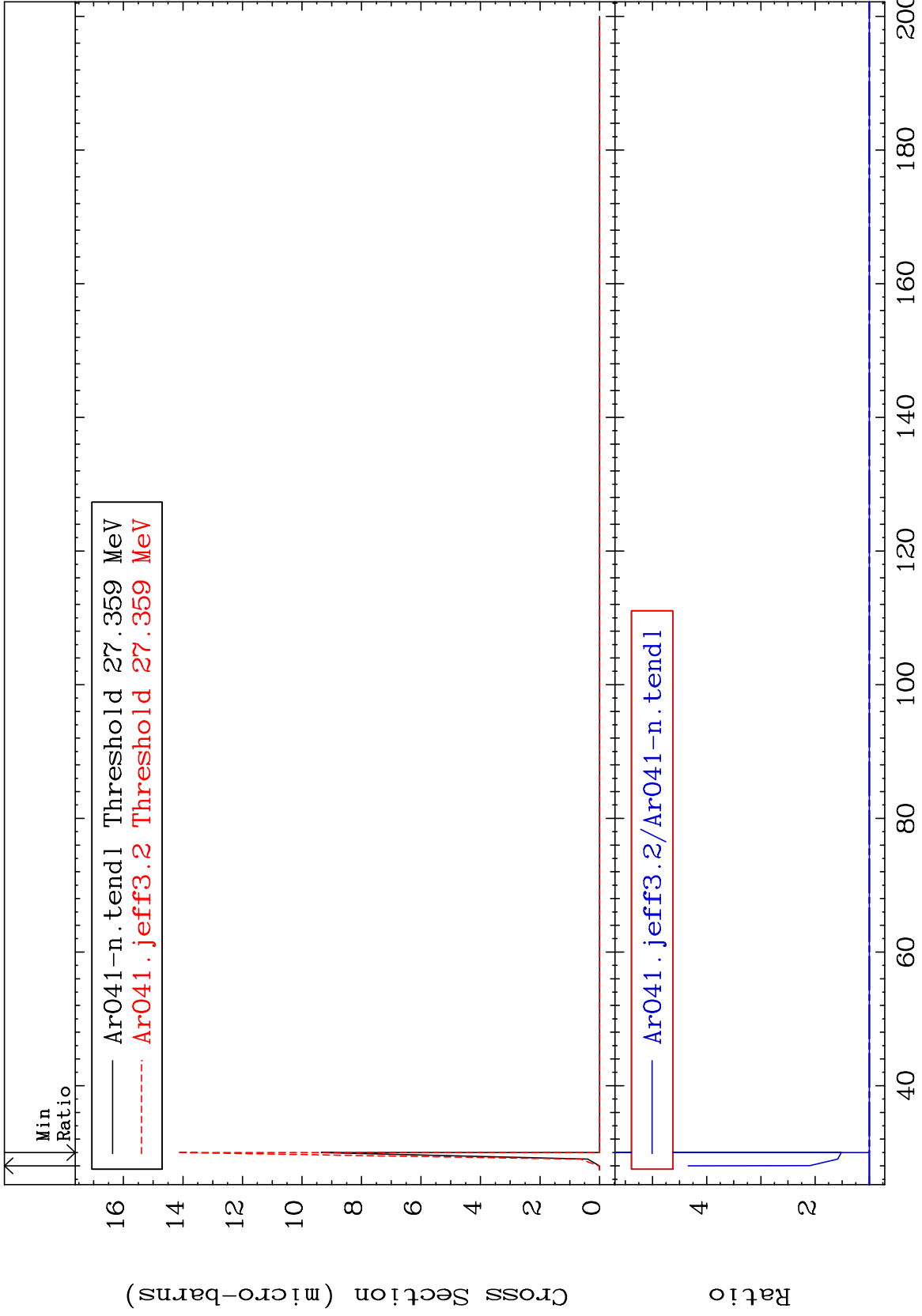
81

Incident Energy (eV)

18-Ar-41

Radionuclide Production Cross Section -0.057 To 2.085 %





Radionuclide Production Cross Section 0.000 To 158.8 %

