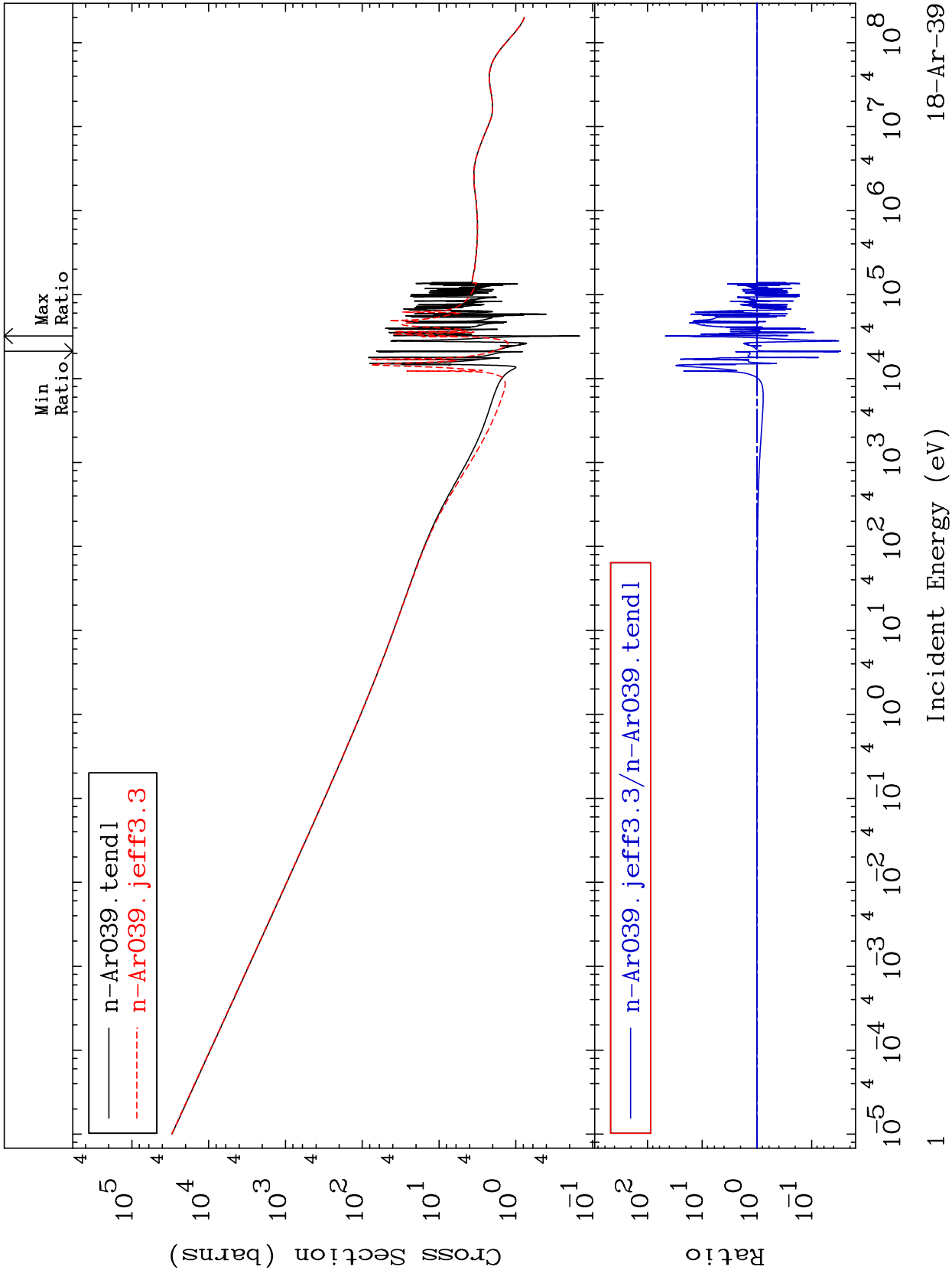
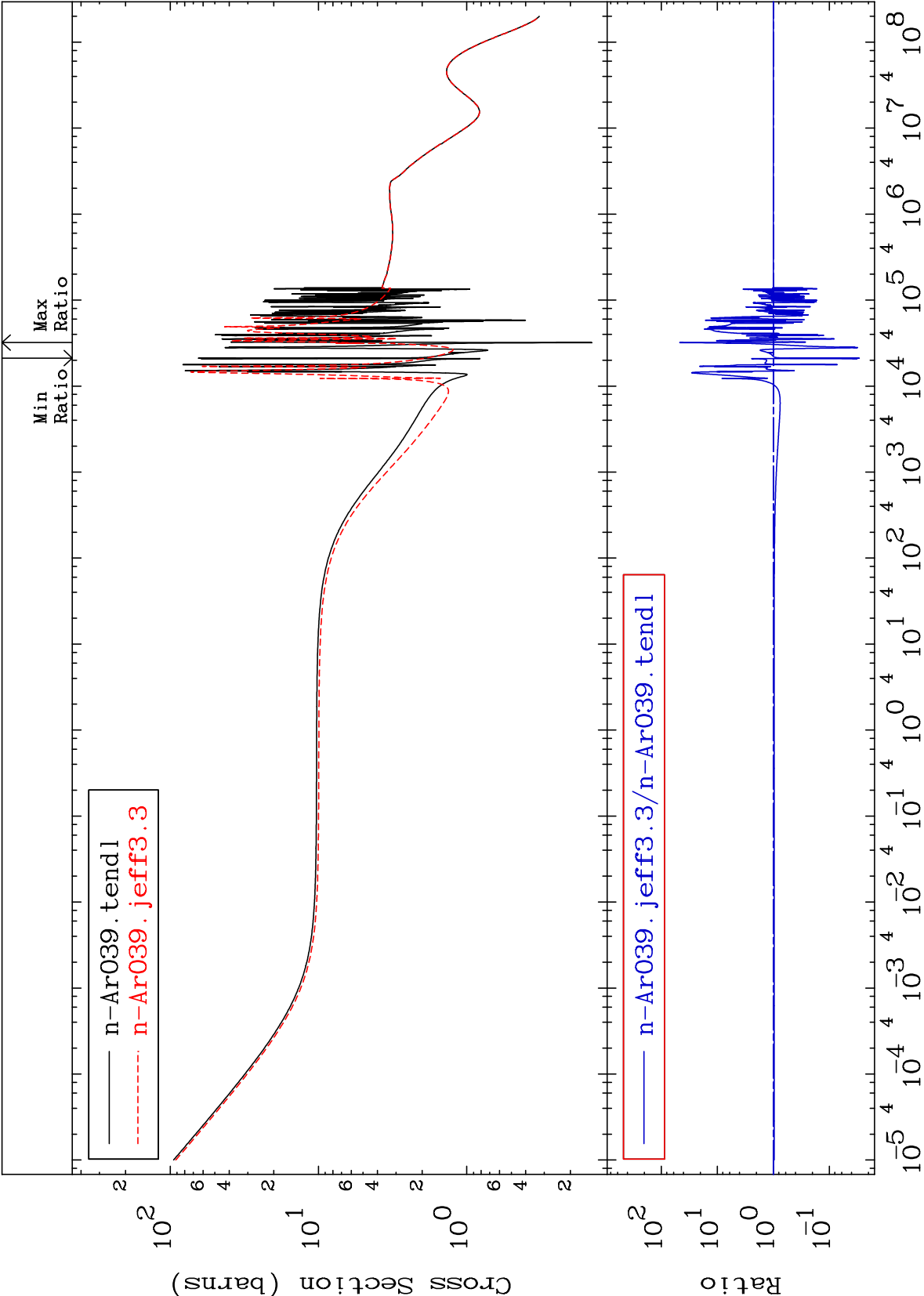


MAT 1834

Total
Cross Section

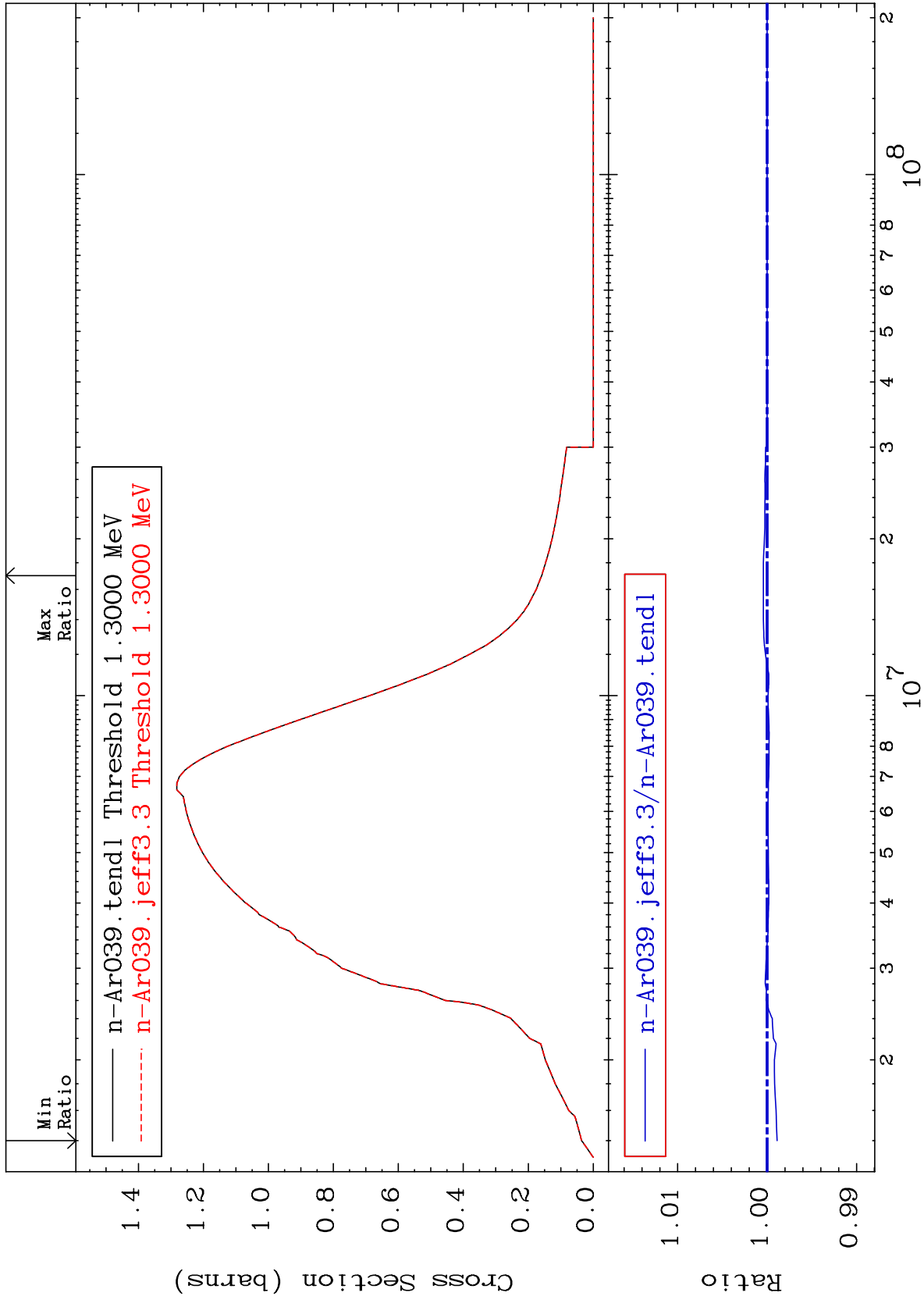
18-Ar-39
-97.04 To 4589. %

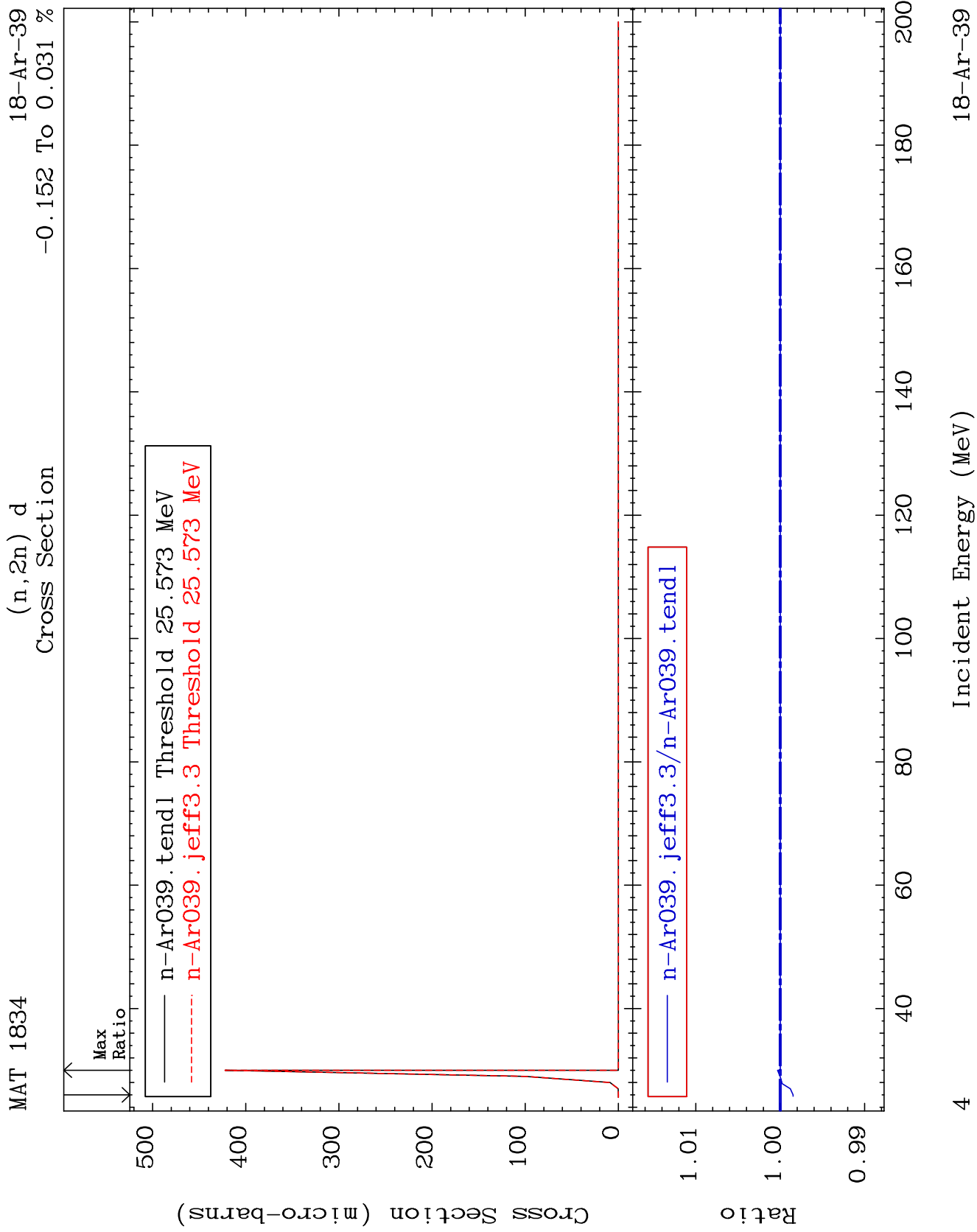




Inelastic
Cross Section

-0.111 To 0.043 %





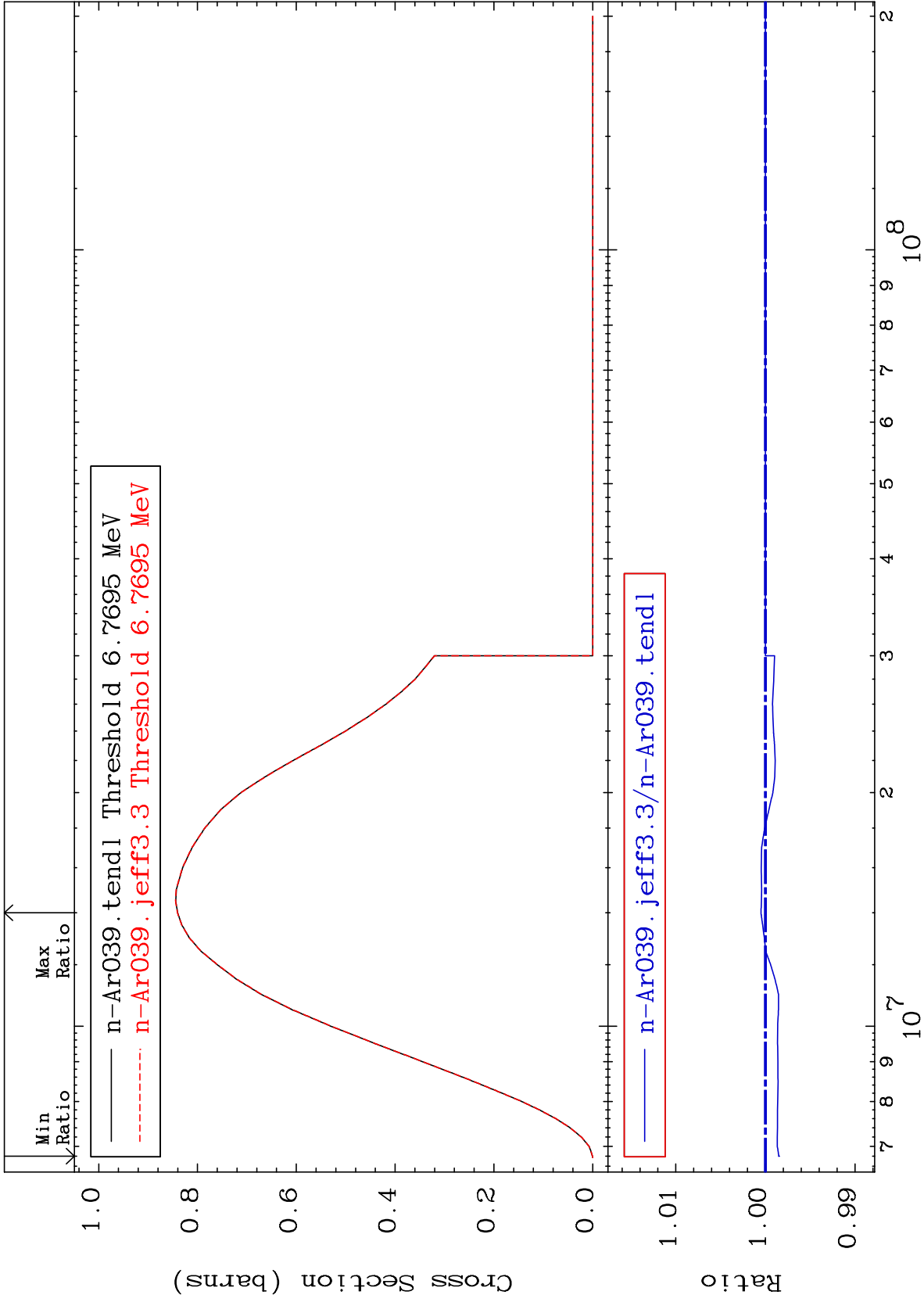
MAT 1834

(n,2n)

18-Ar-39

Cross Section

-0.150 To 0.049 %



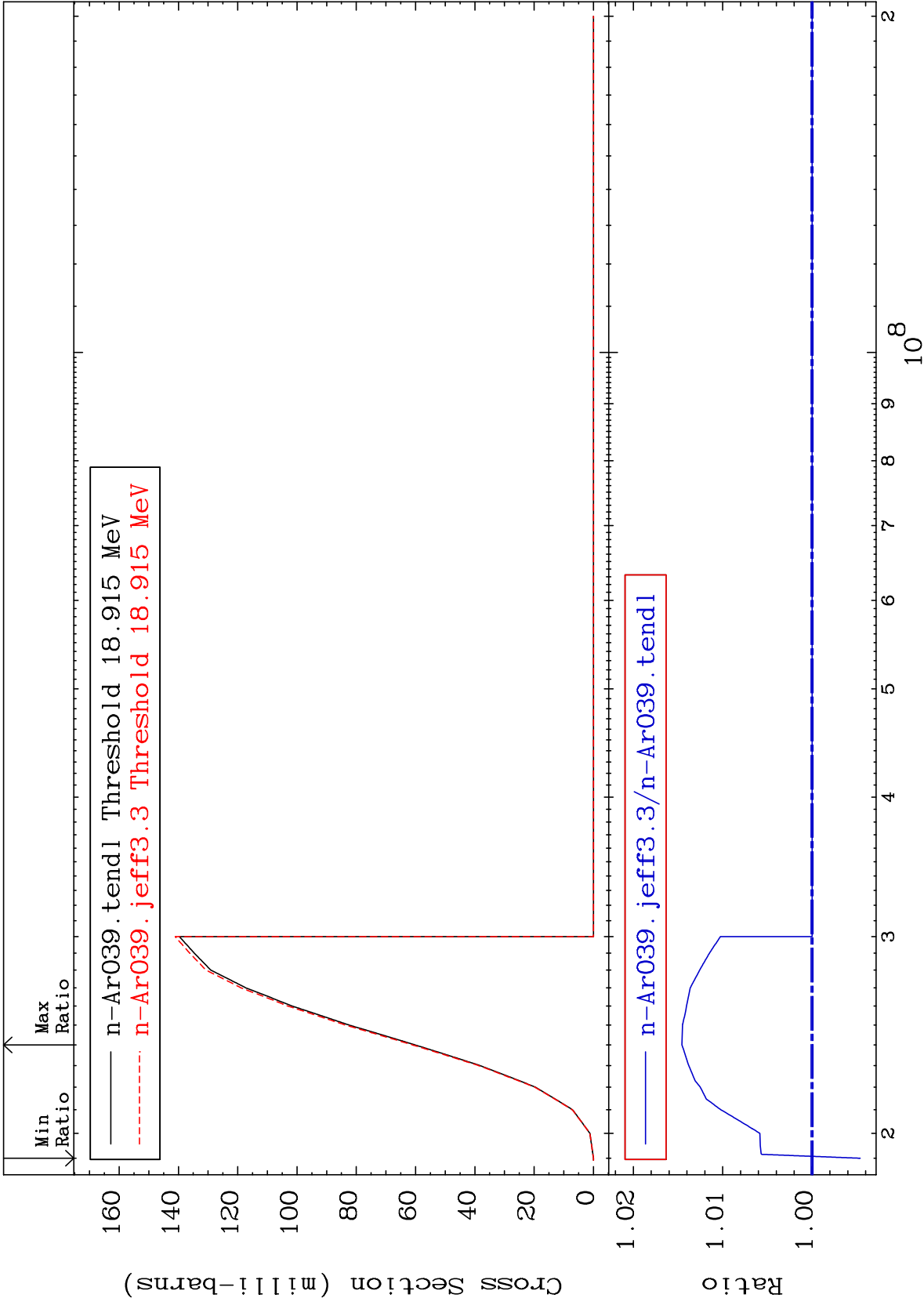
MAT 1834

(n,3n)

18-Ar-39

Cross Section

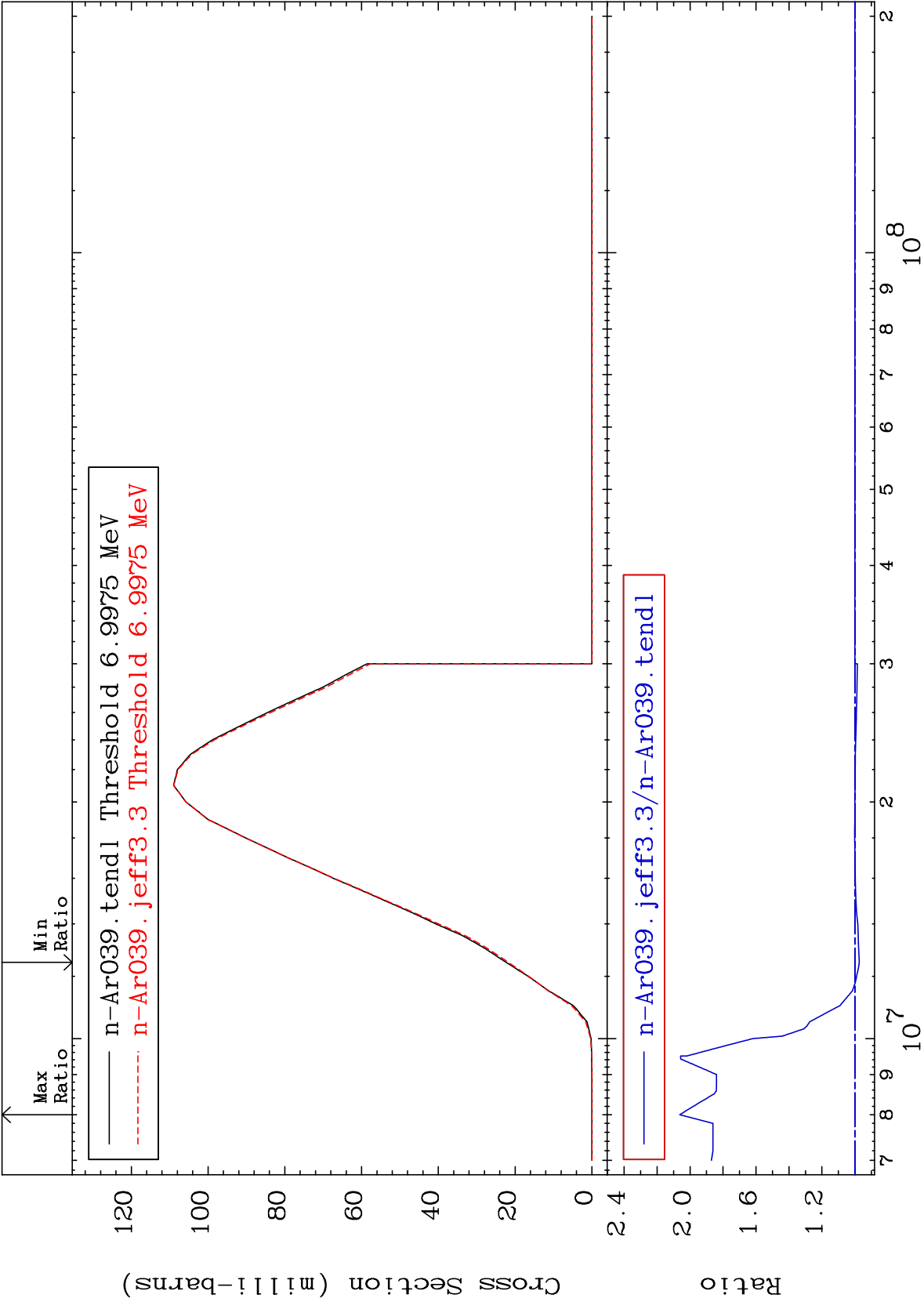
-0.539 To 1.456 %



MAT 1834

$(n,n') \alpha$
Cross Section

18-Ar-39
-2.656 To 106.3 %



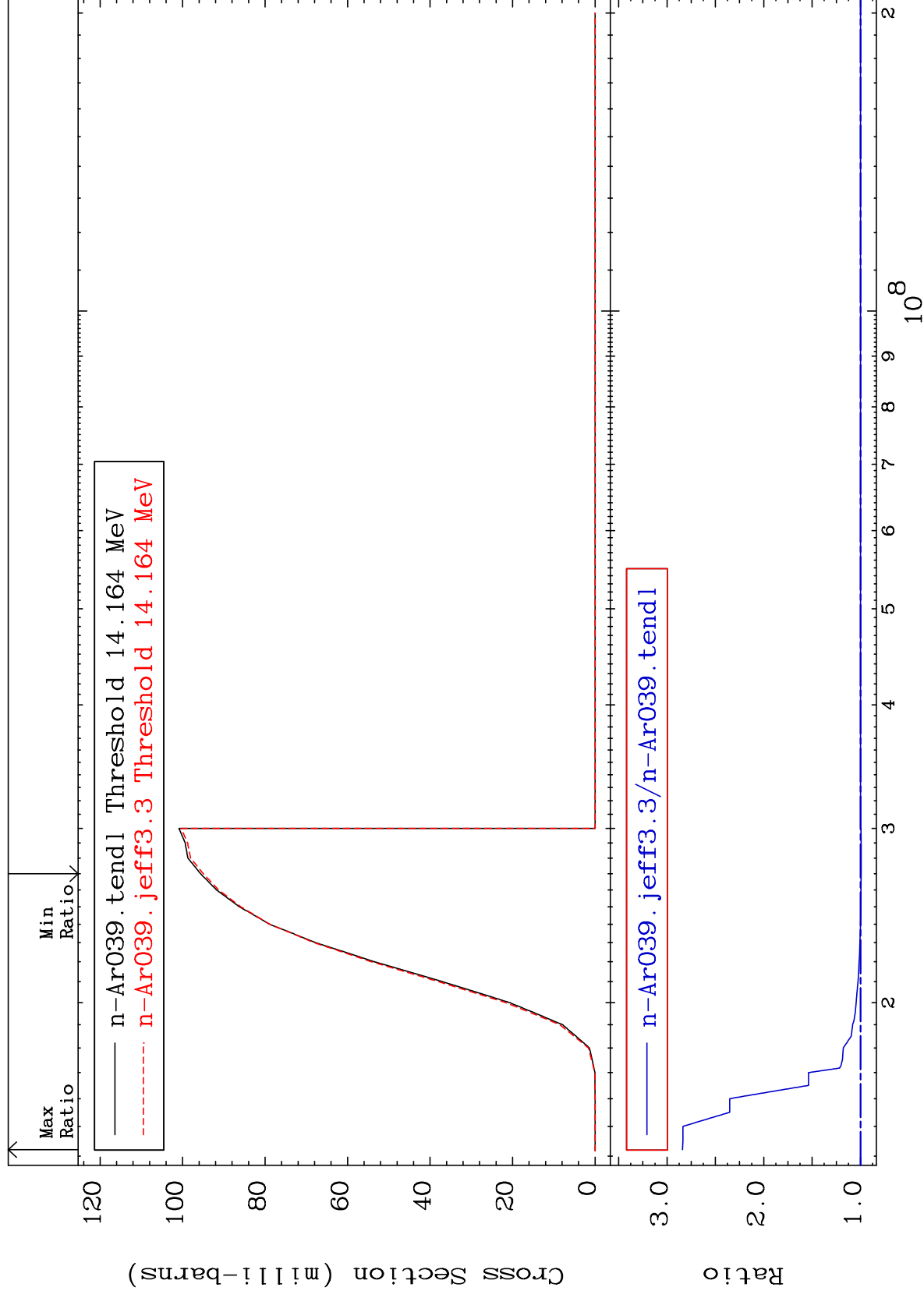
Incident Energy (eV)

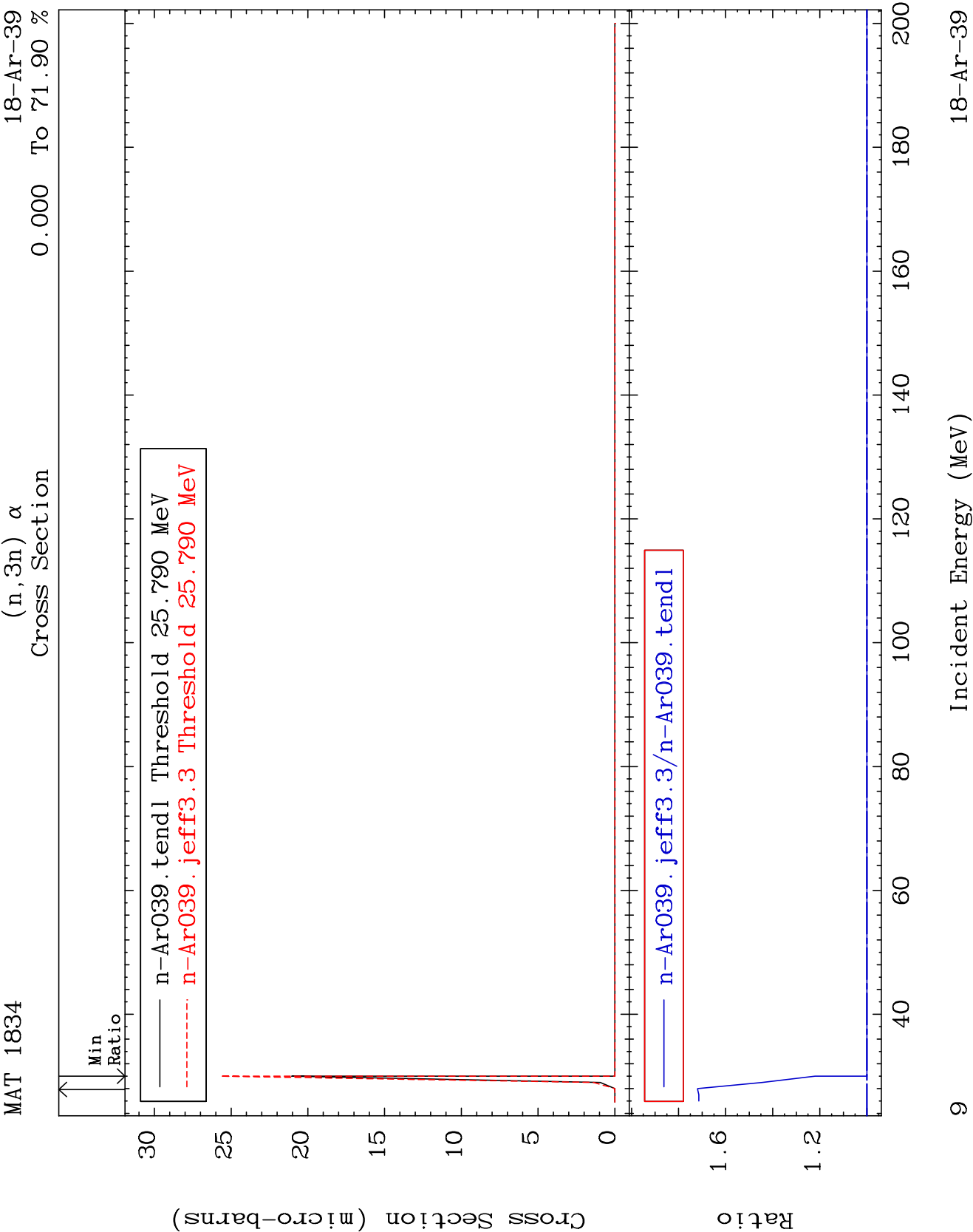
18-Ar-39

MAT 1834

(n,2n) α
Cross Section

18-Ar-39
-0.682 To 184.0 %

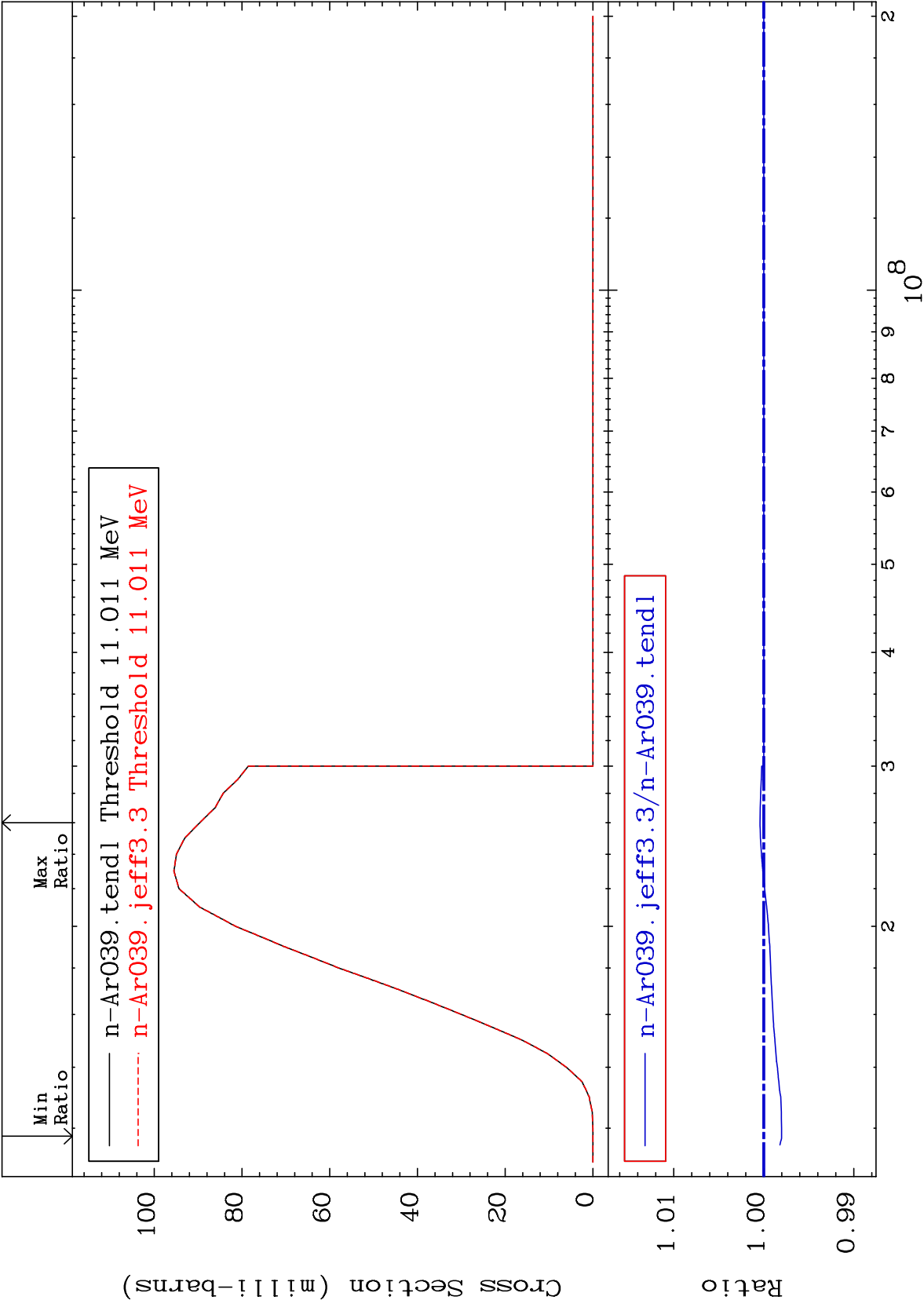




MAT 1834

(n,n') p
Cross Section

18-Ar-39
-0.198 To 0.041 %



10

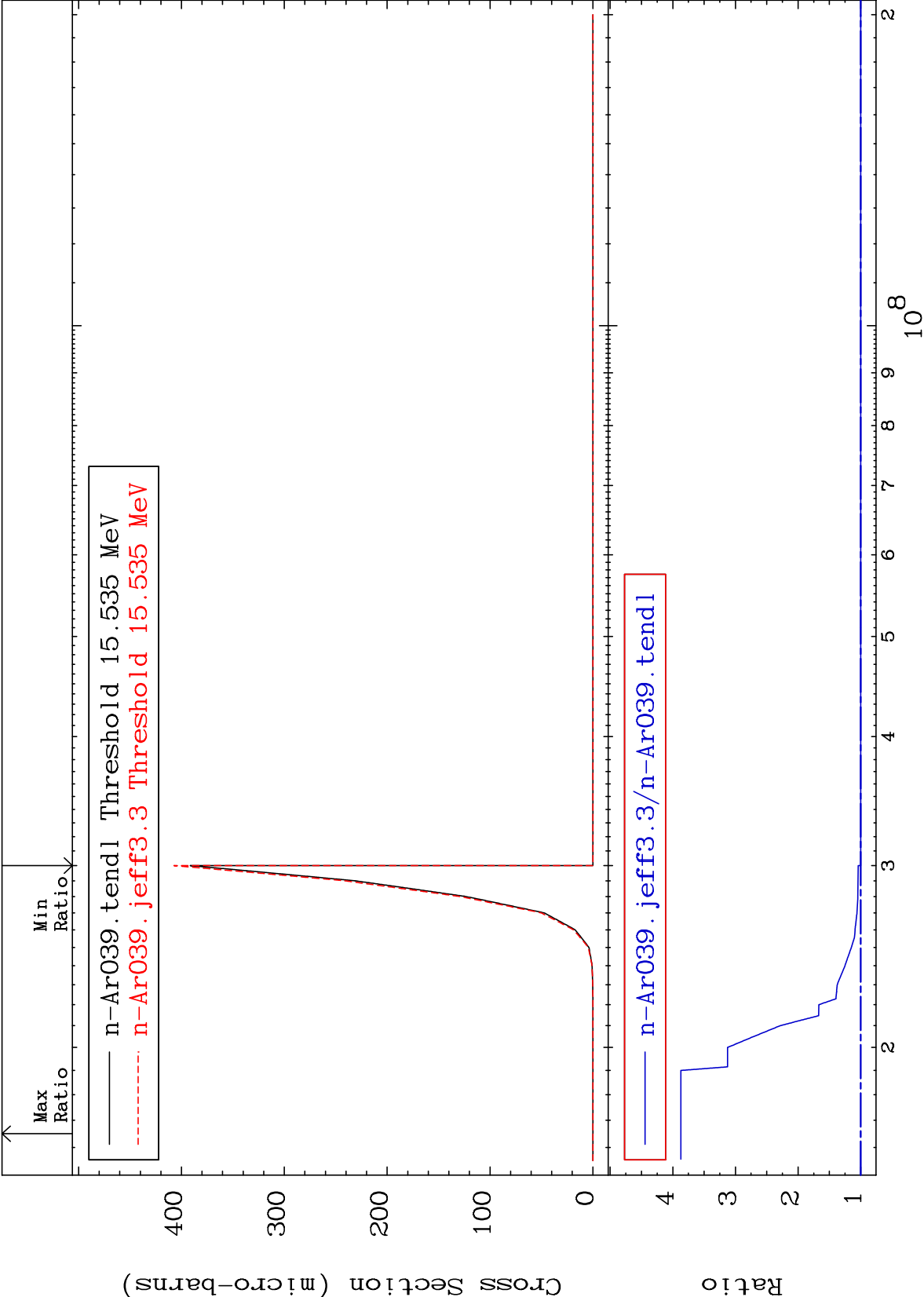
Incident Energy (eV)

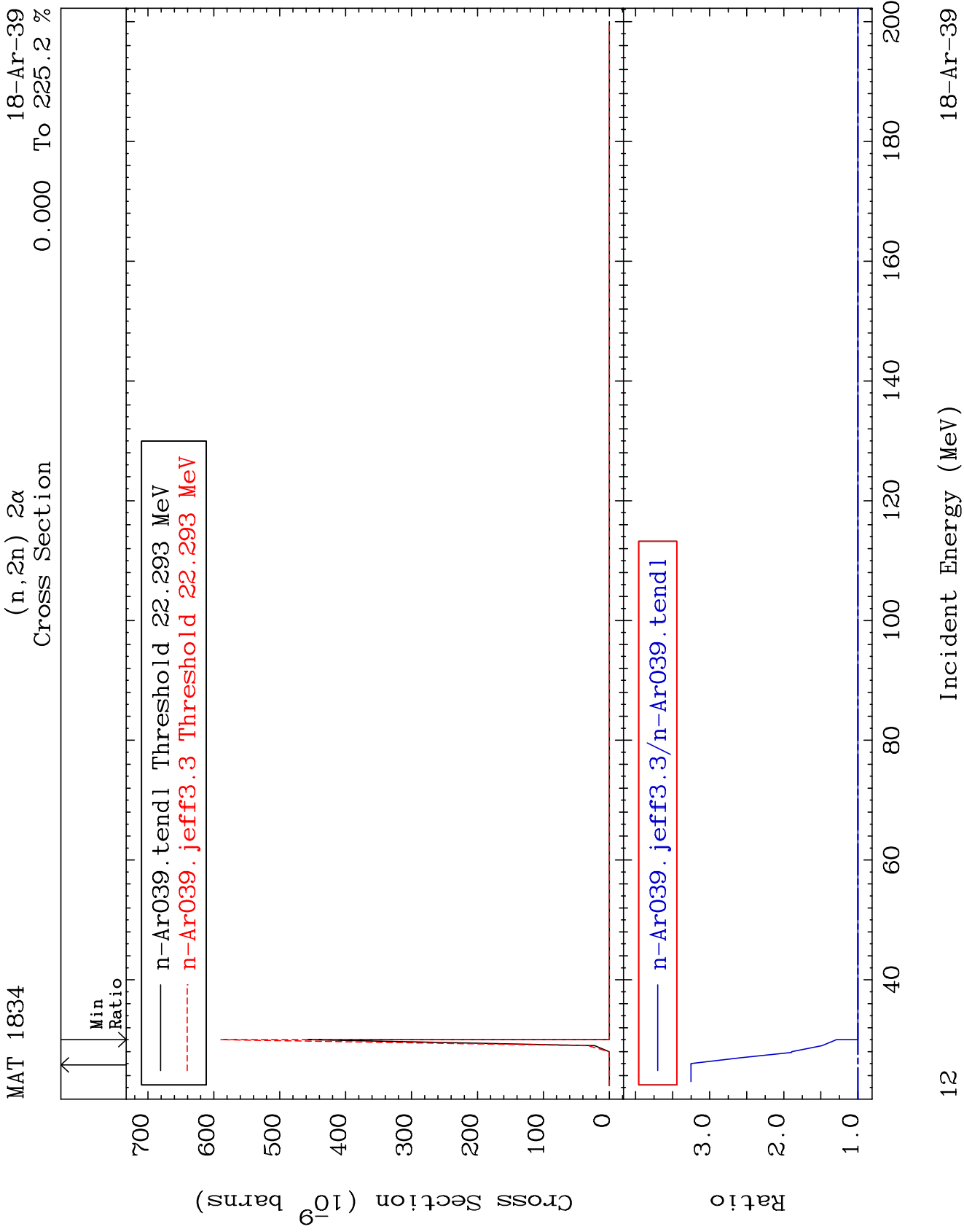
18-Ar-39

Cross Section

0.000

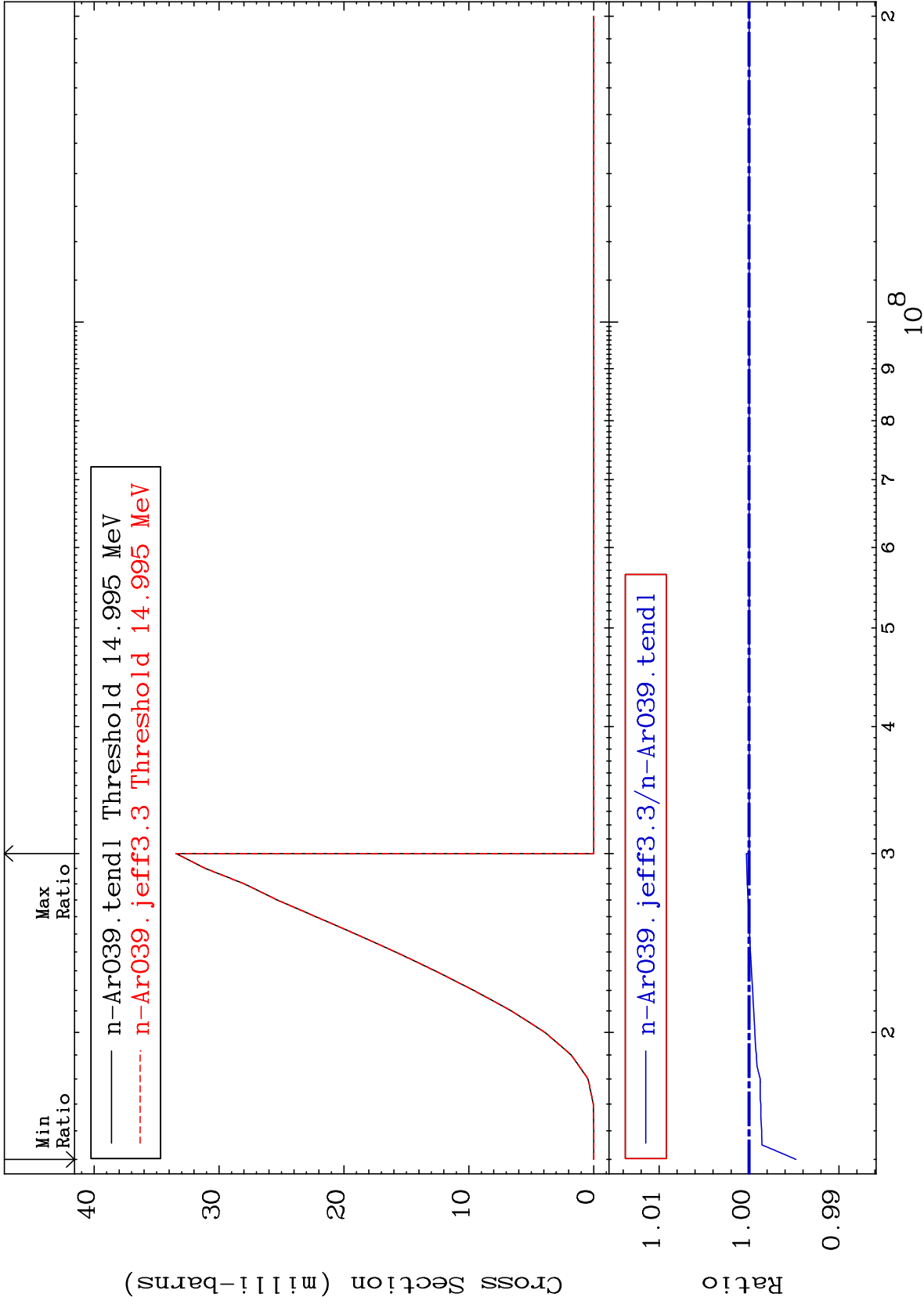
To 287.1 %





Cross Section

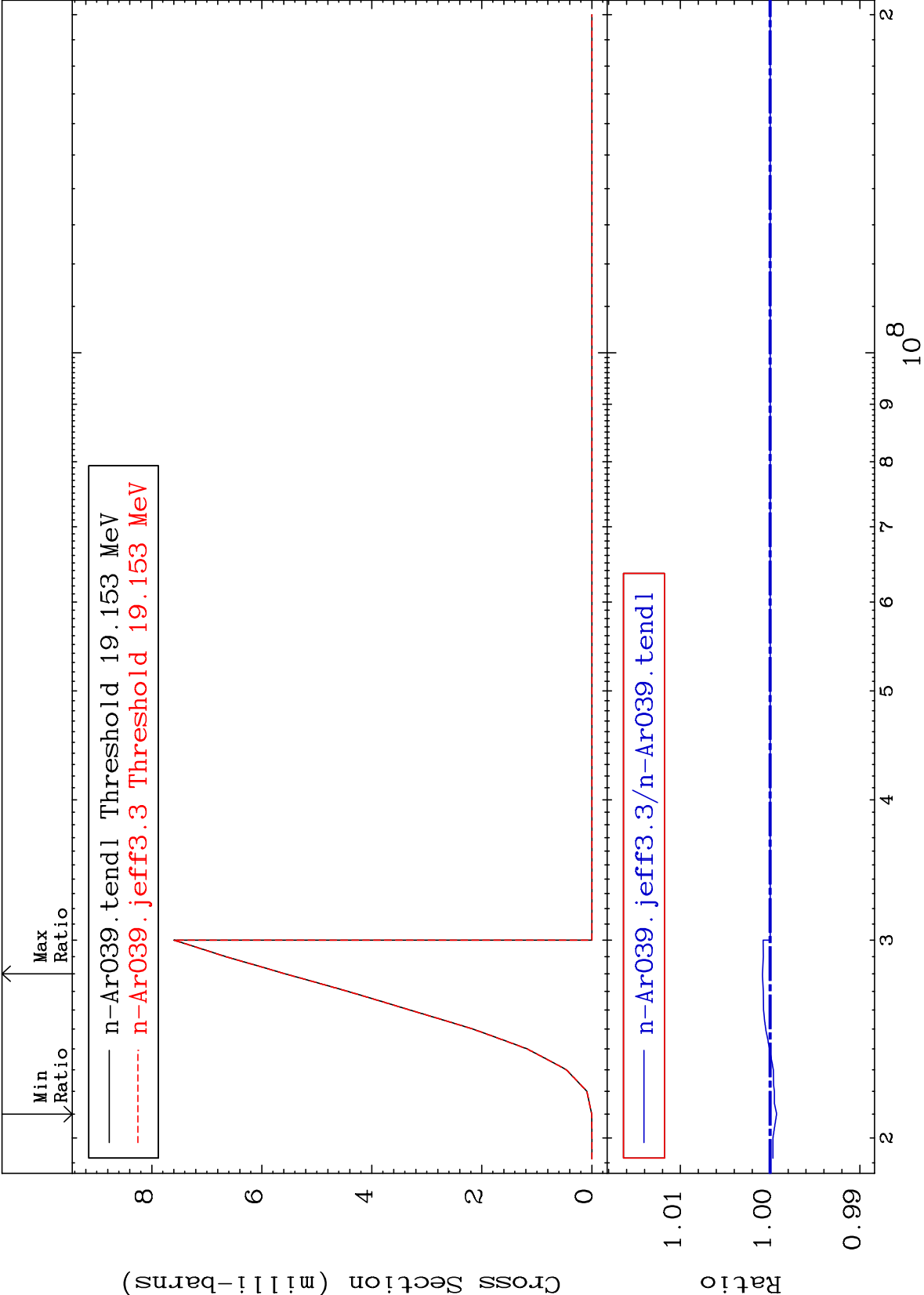
-0.522 To 0.029 %



MAT 1834

(n,n') t
Cross Section

18-Ar-39
-0.072 To 0.086 %



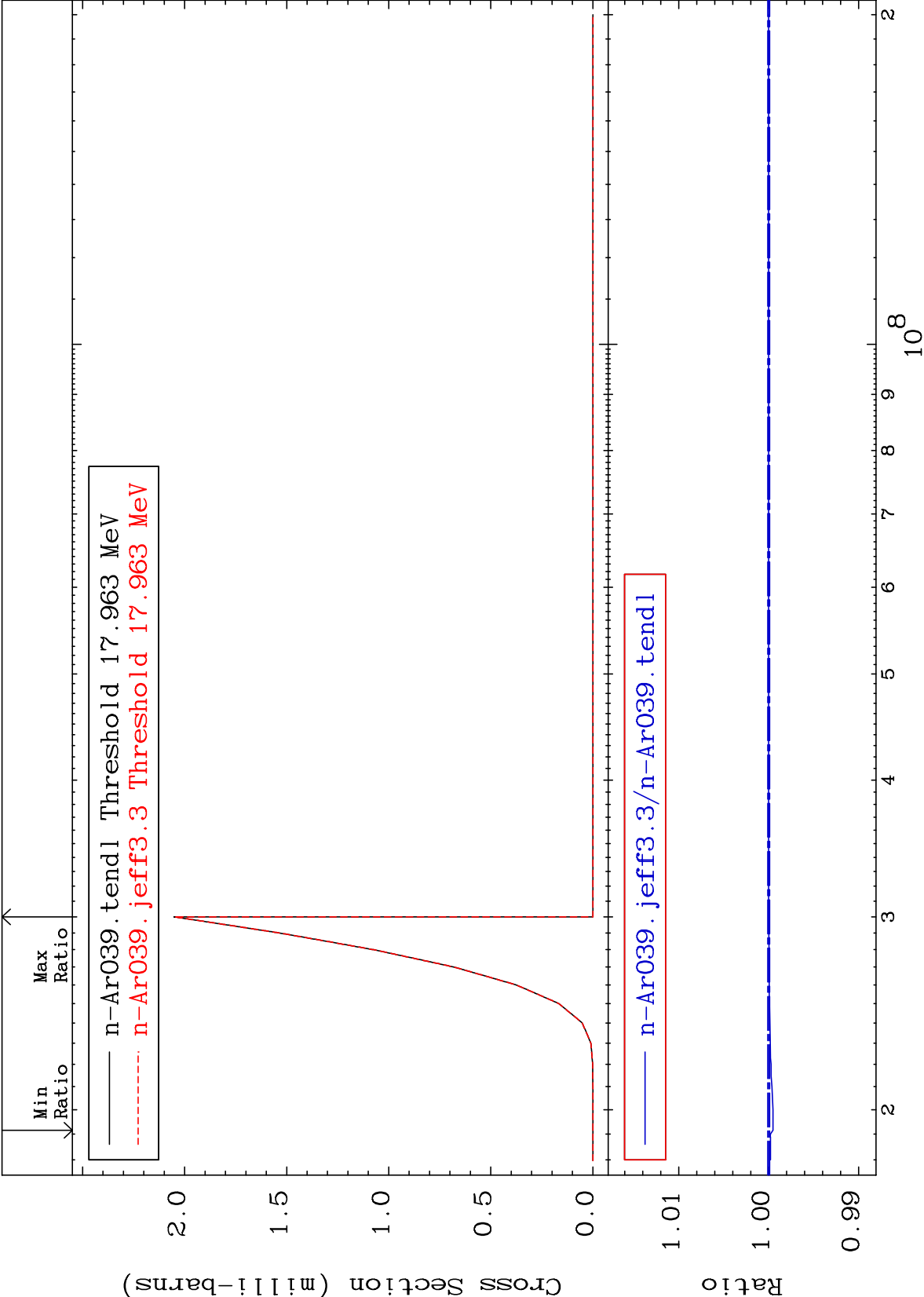
MAT 1834

(n,n') He-3

18-Ar-39

Cross Section

-0.047 To 0.000 %



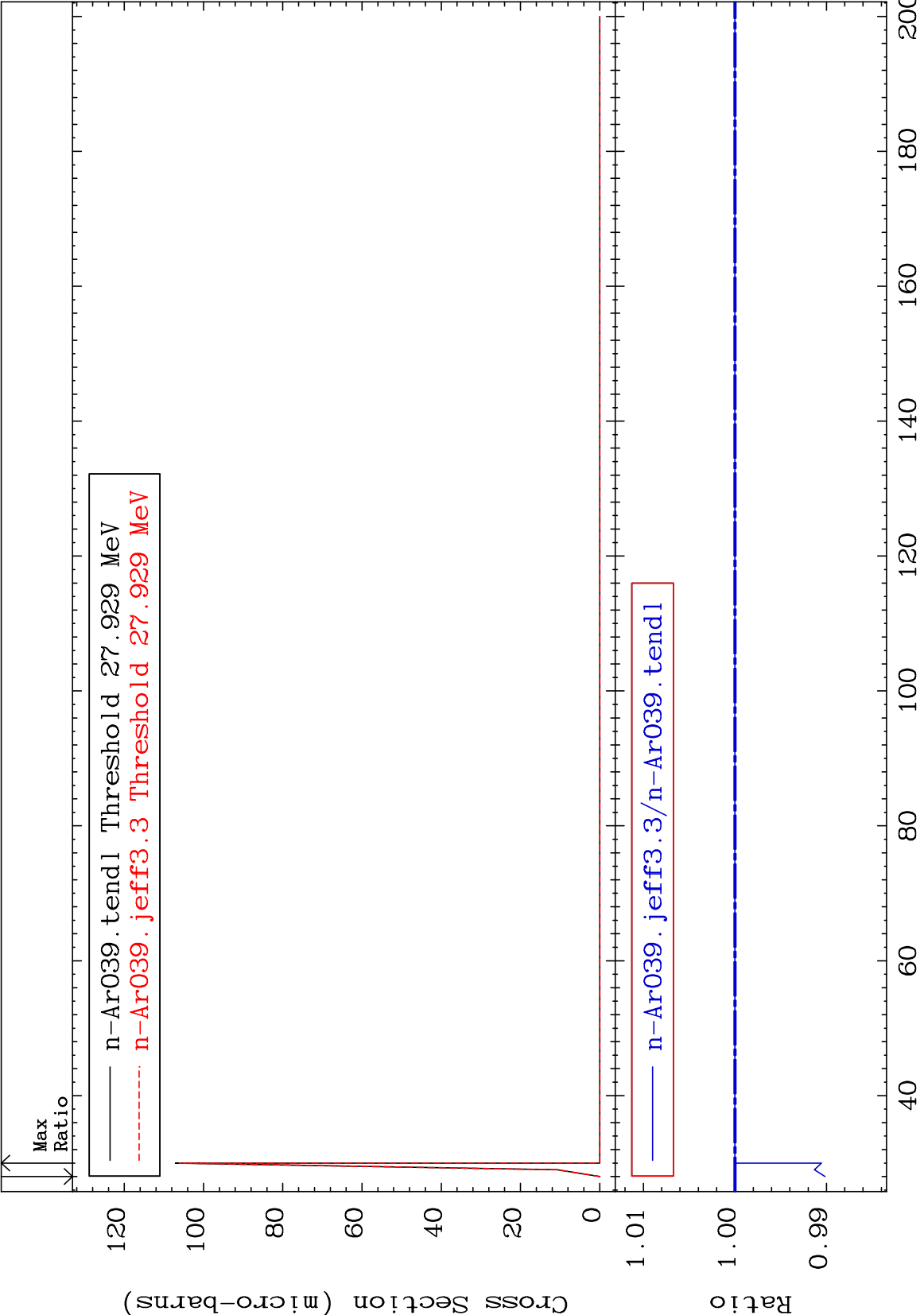
MAT 1834

(n,4n)

18-Ar-39

Cross Section

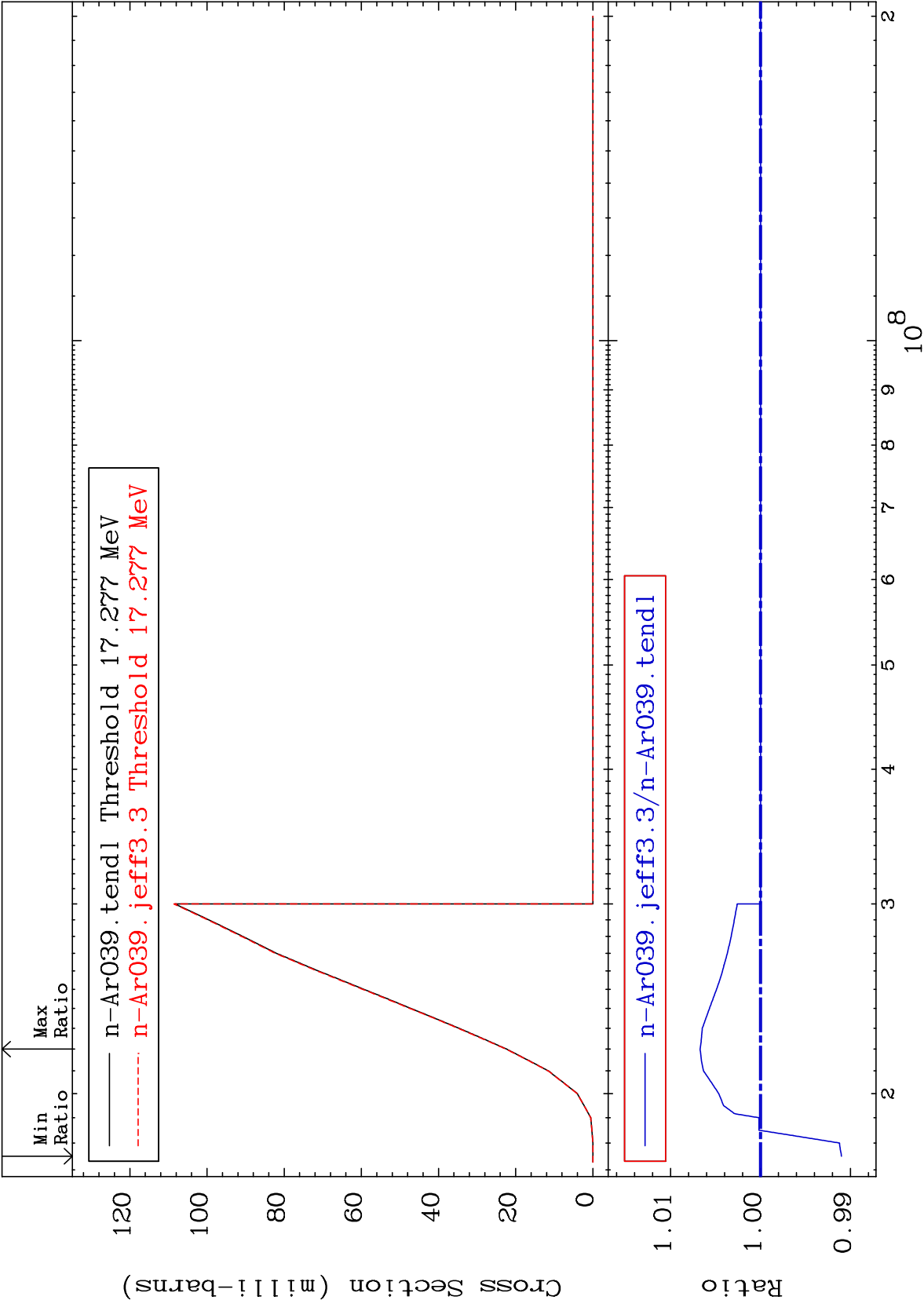
-0.984 To 0.000 %



MAT 1834

(n,2n) p
Cross Section

18-Ar-39
-0.900 To 0.671 %



17

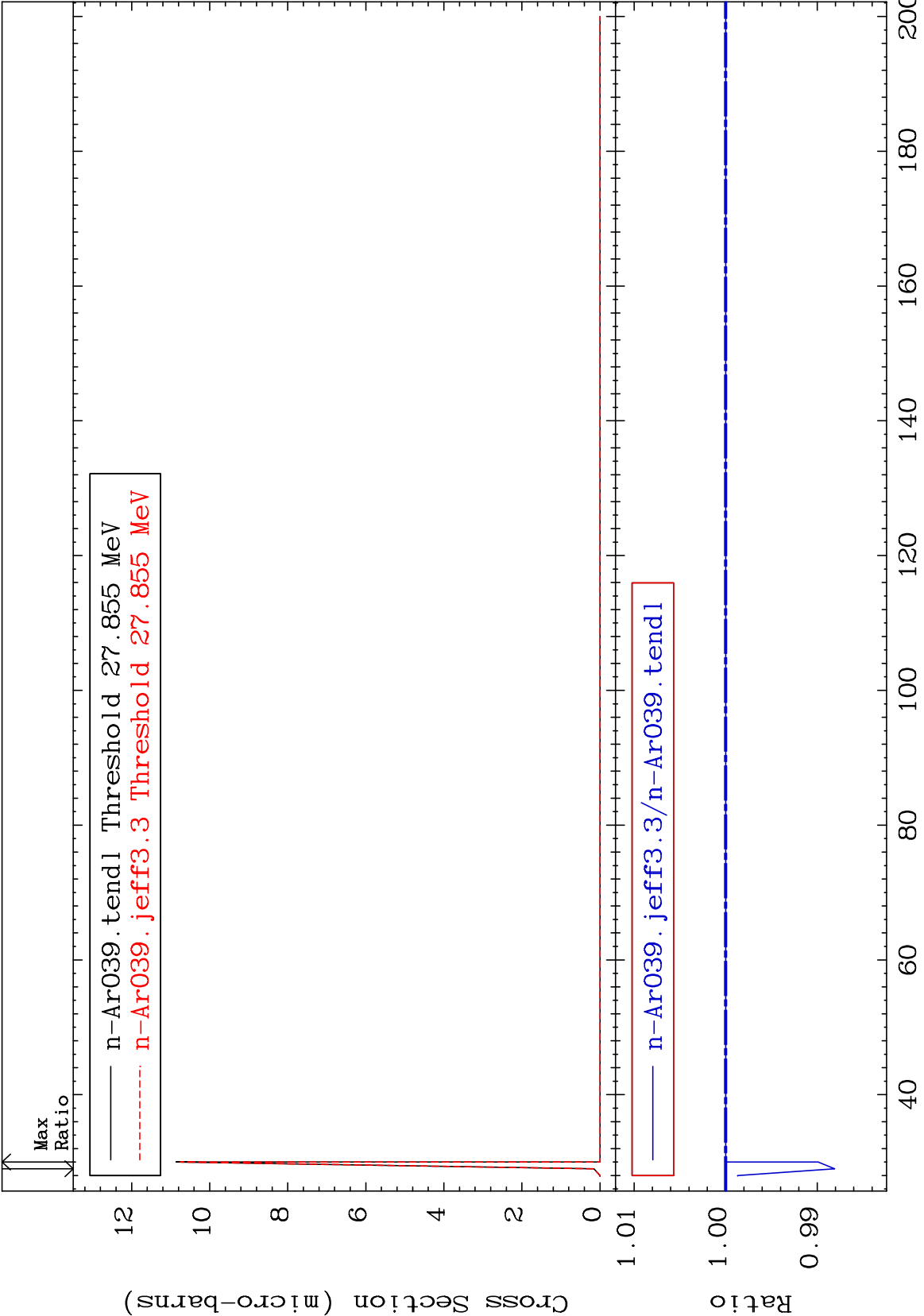
Incident Energy (eV)

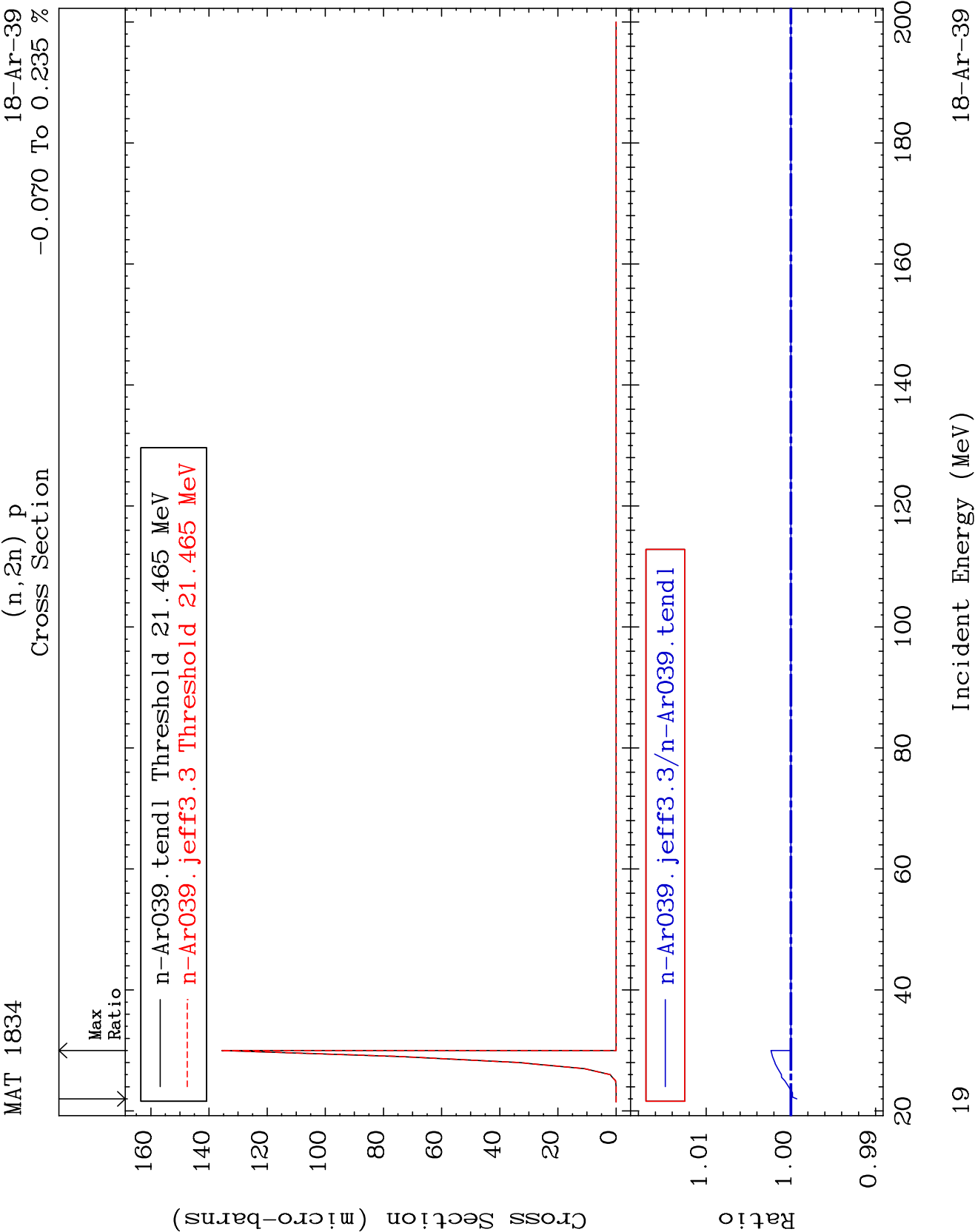
18-Ar-39

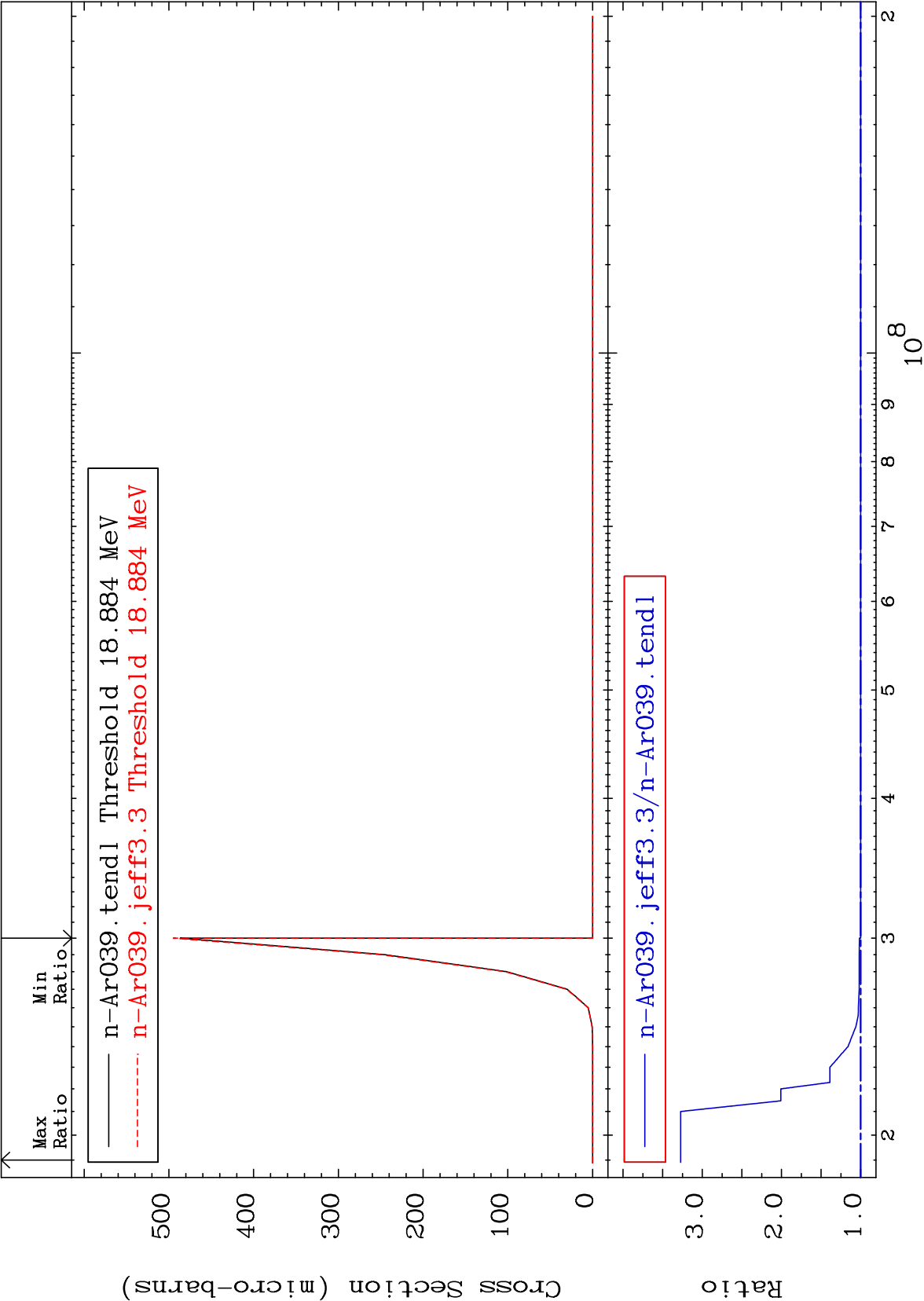
MAT 1834

(n,3n) p
Cross Section

18-Ar-39
-1.190 To 0.000 %



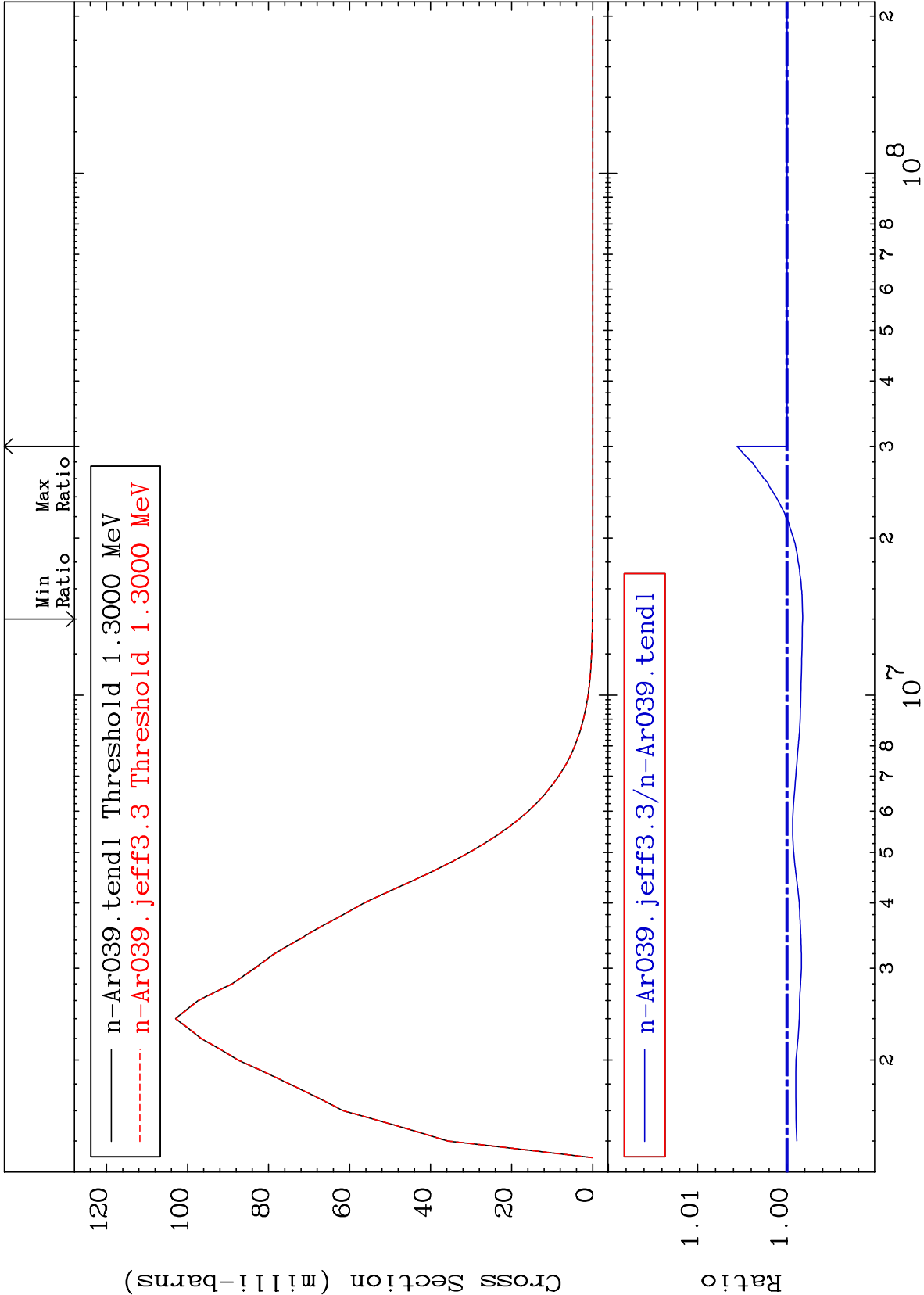




MAT 1834

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

18-Ar-39
-0.175 To 0.558 %



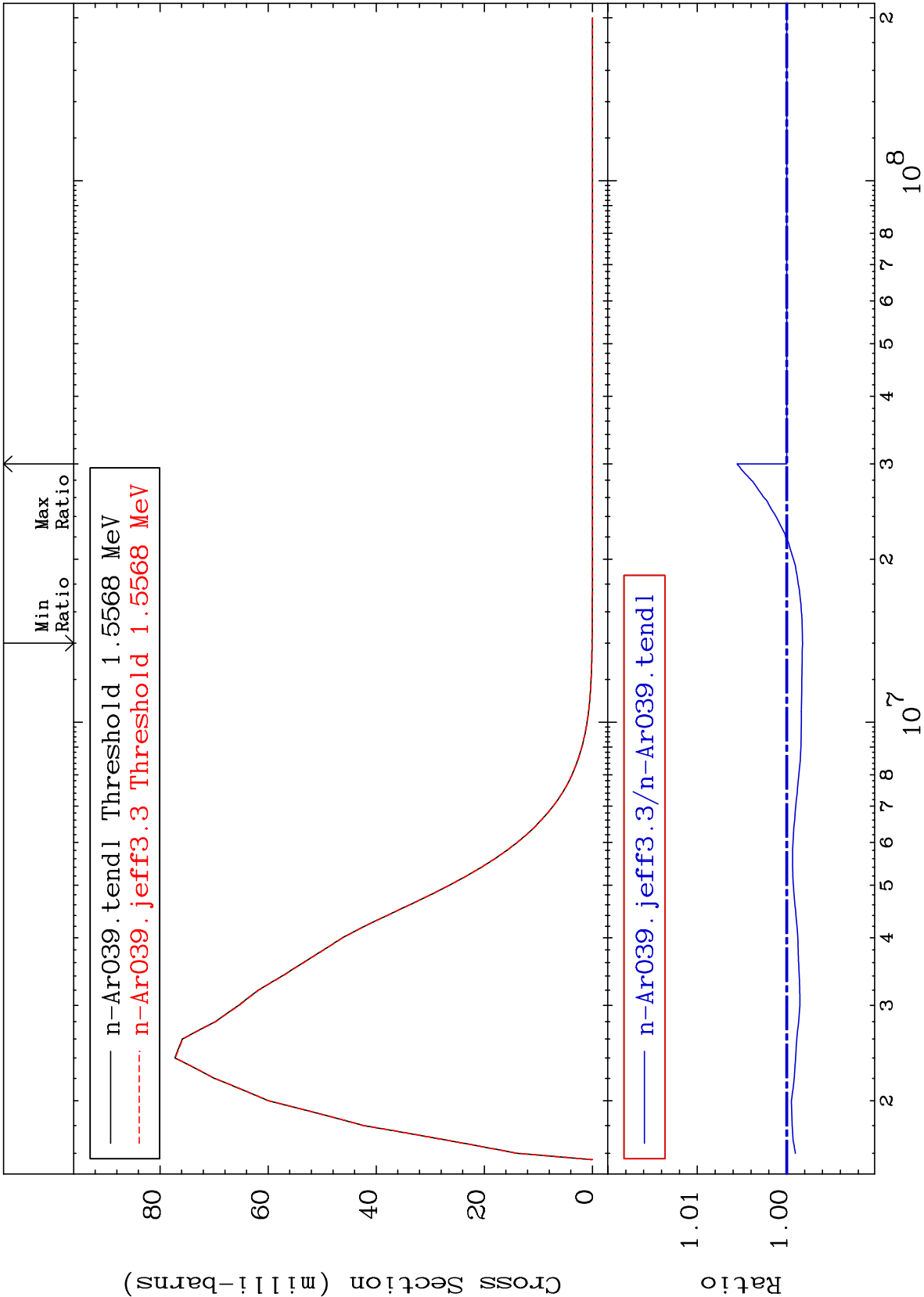
MAT 1834

MT= 52 (n,n') Level

18-Ar-39

-0.176 To 0.556 %

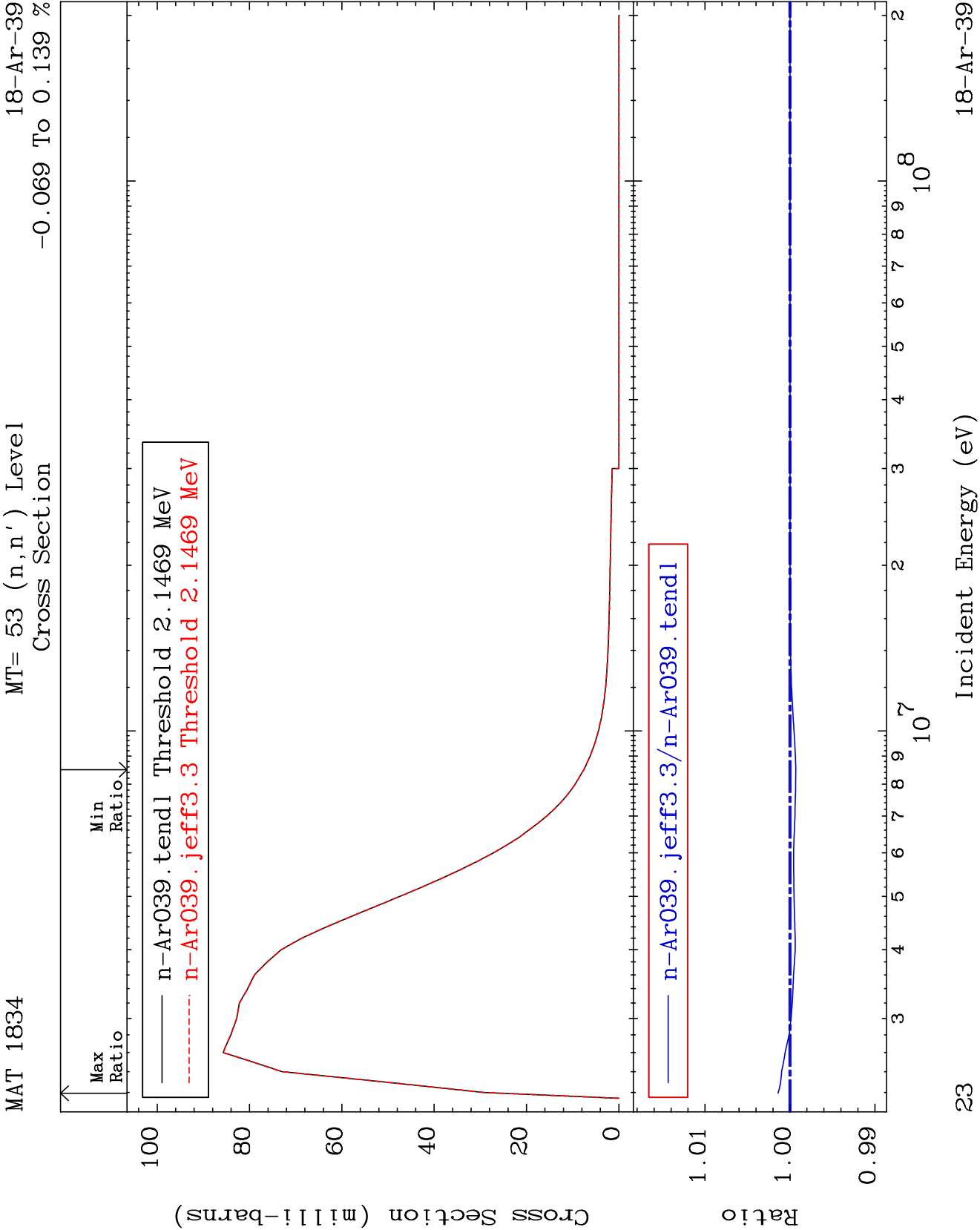
Cross Section



22

Incident Energy (eV)

18-Ar-39



MAT 1834

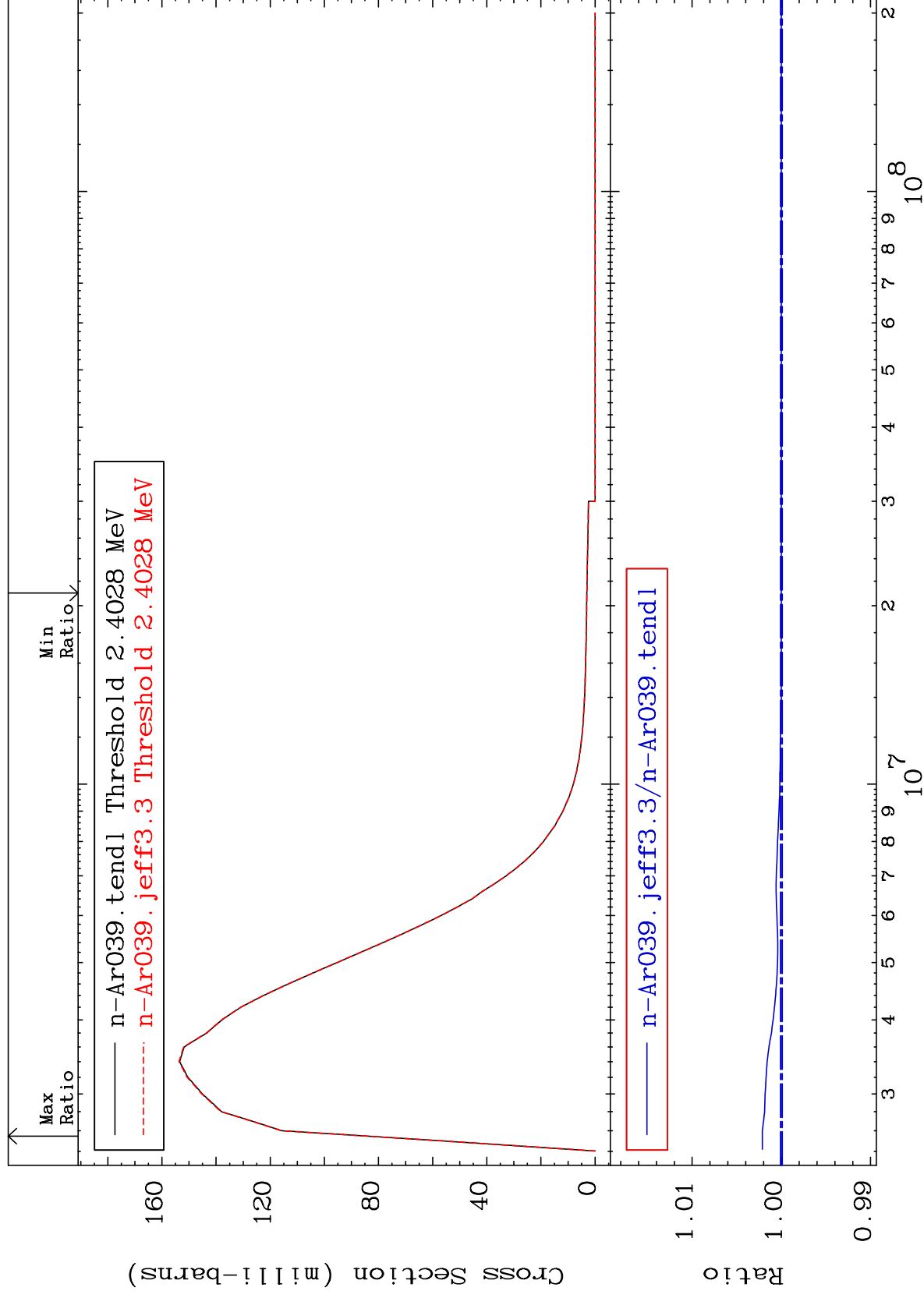
MT=54 (n,n') Level

18-Ar-39

Cross Section

0.000

To 0.214 %



24

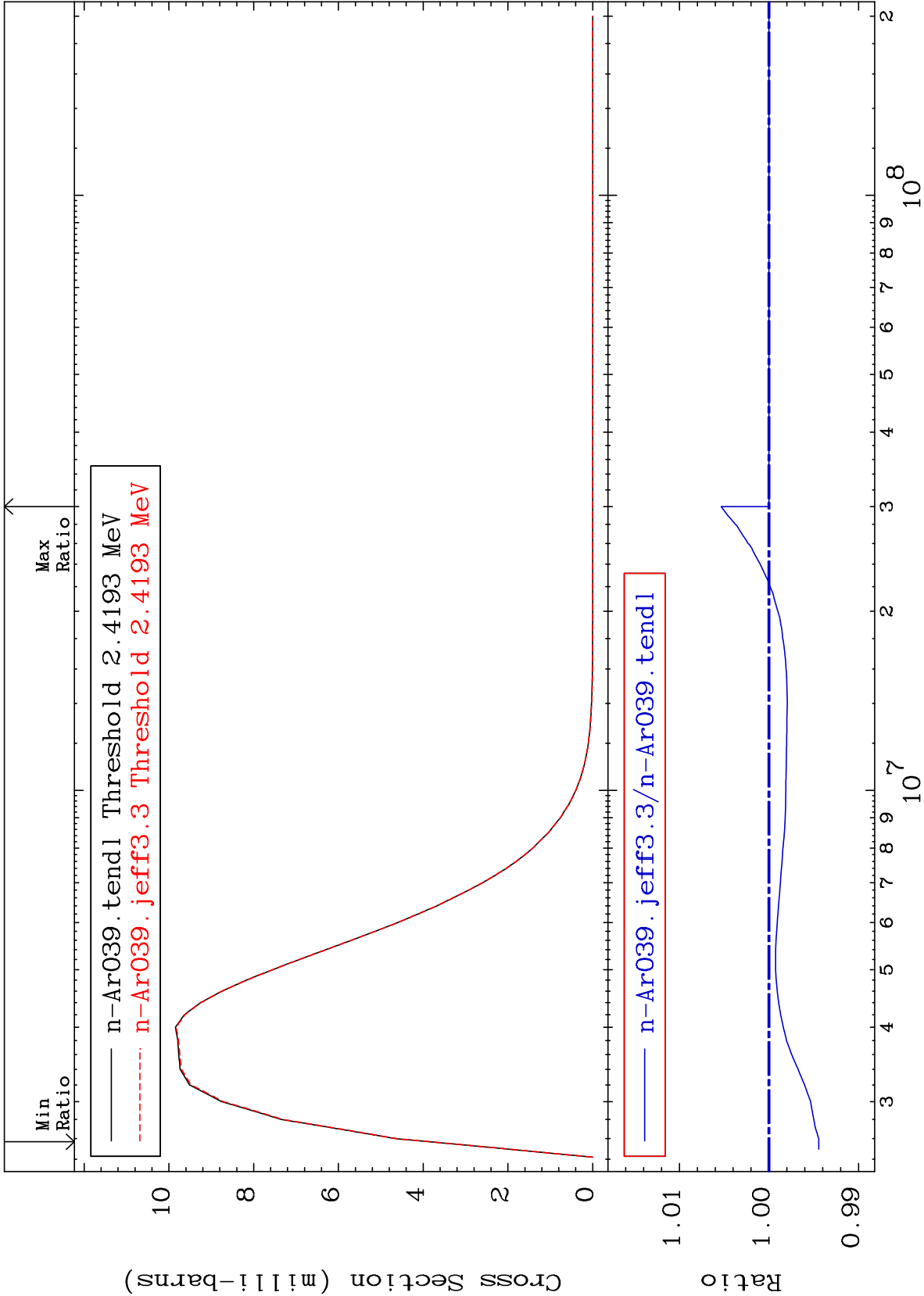
Incident Energy (eV)

18-Ar-39

MAT 1834

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

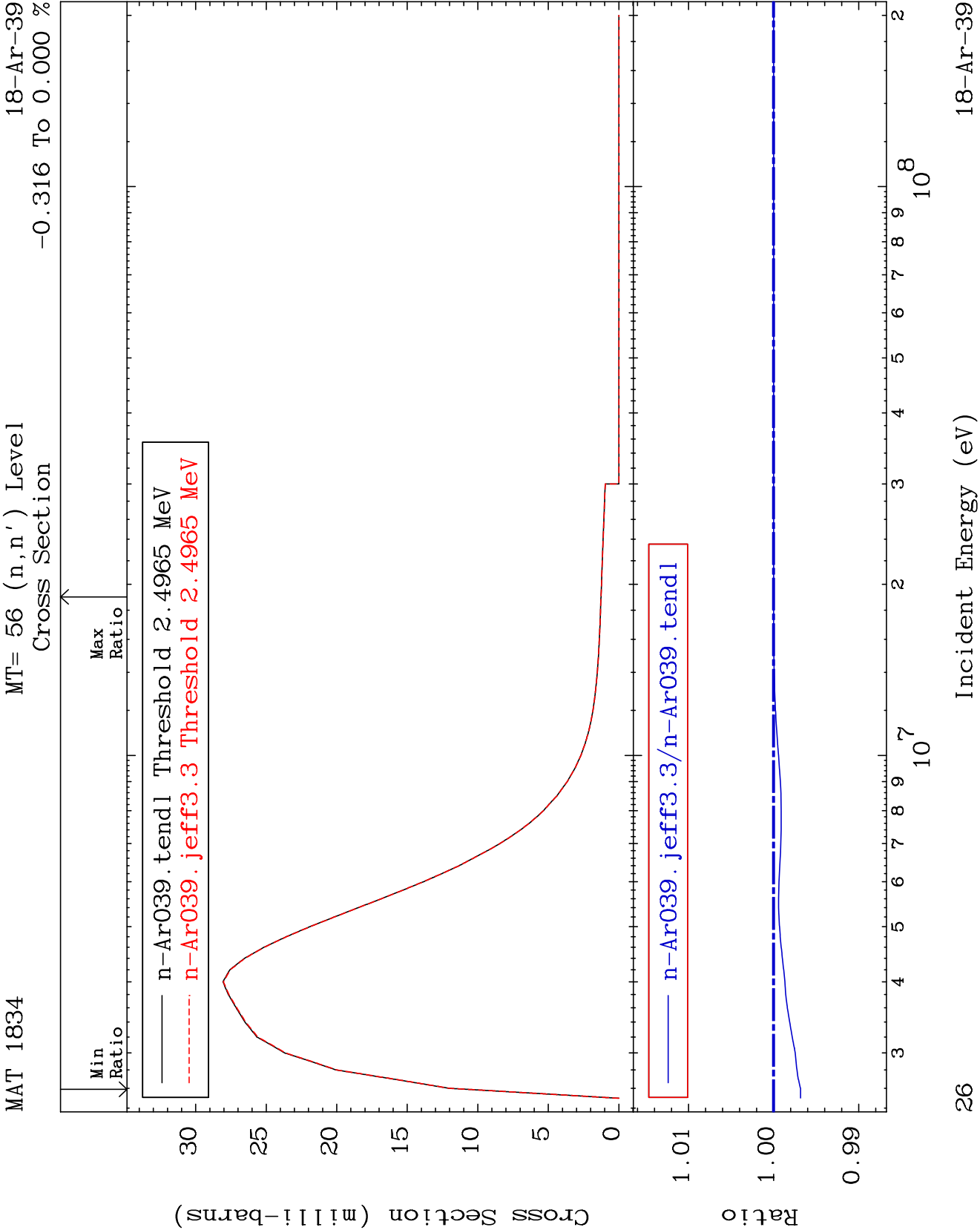
18-Ar-39
-0.555 To 0.535 %



25

Incident Energy (eV)

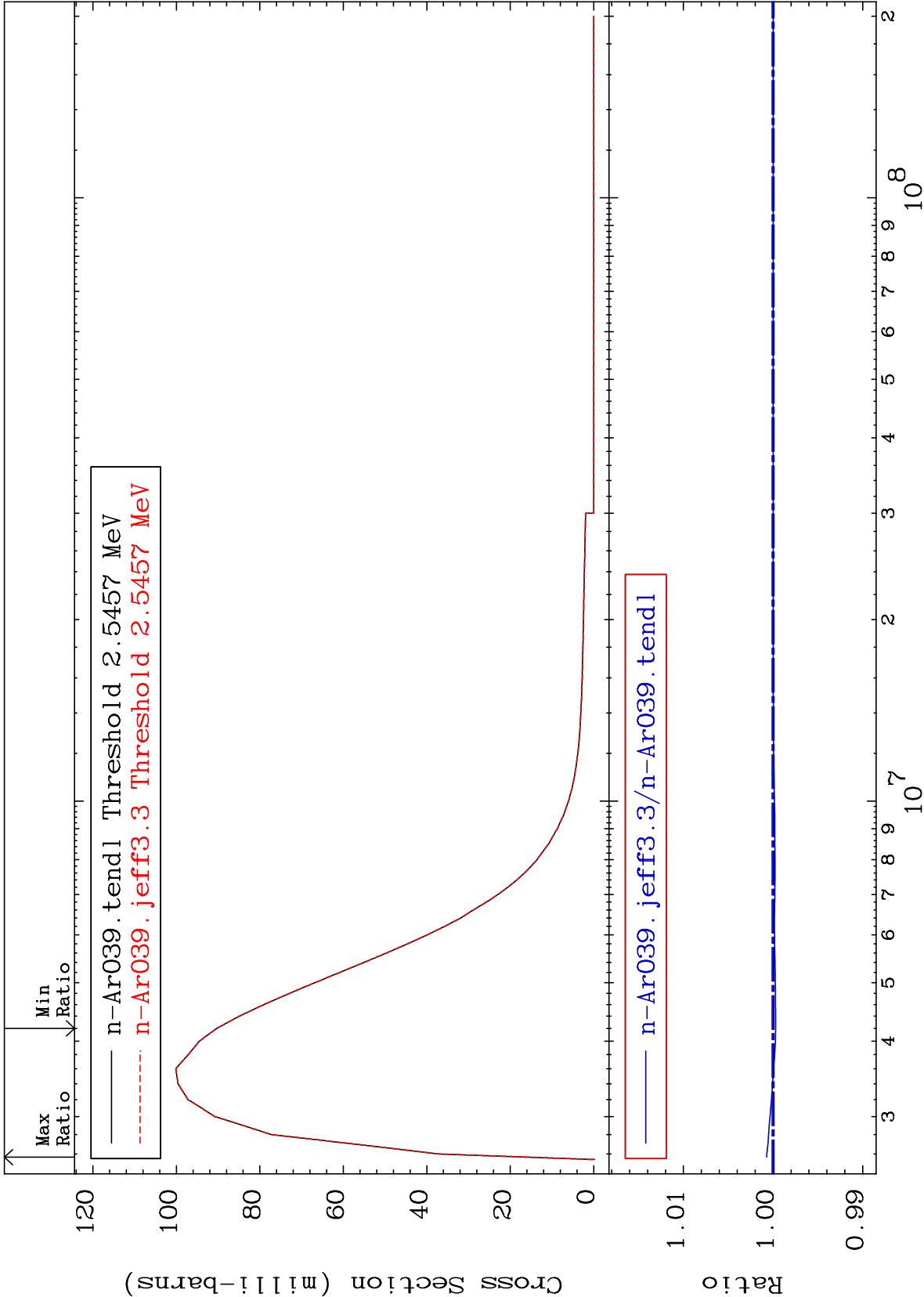
18-Ar-39



MAT 1834

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

18-Ar-39
-0.028 To 0.071 %



27

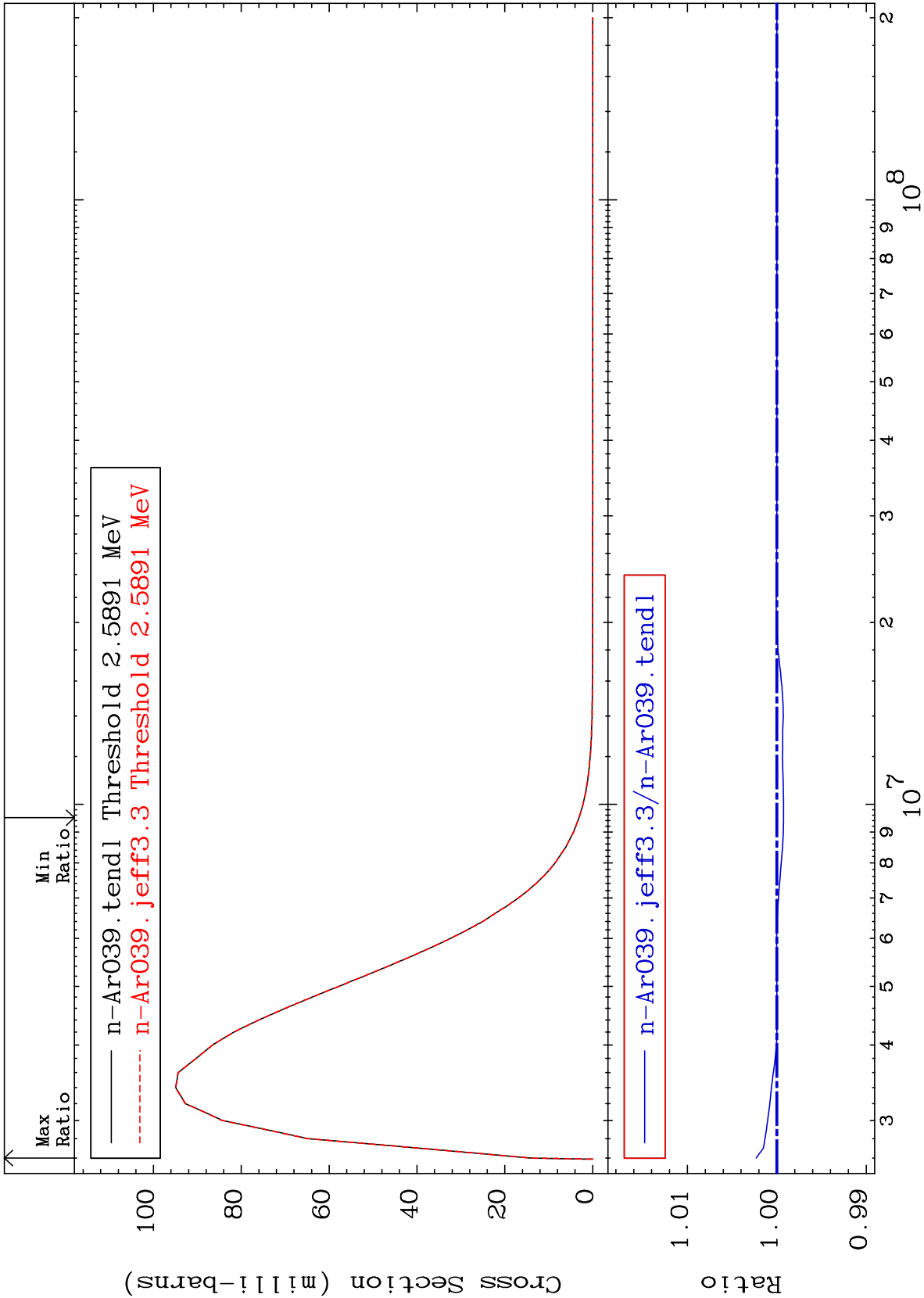
Incident Energy (eV)

18-Ar-39

MAT 1834

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

18-Ar-39
-0.075 To 0.231 %



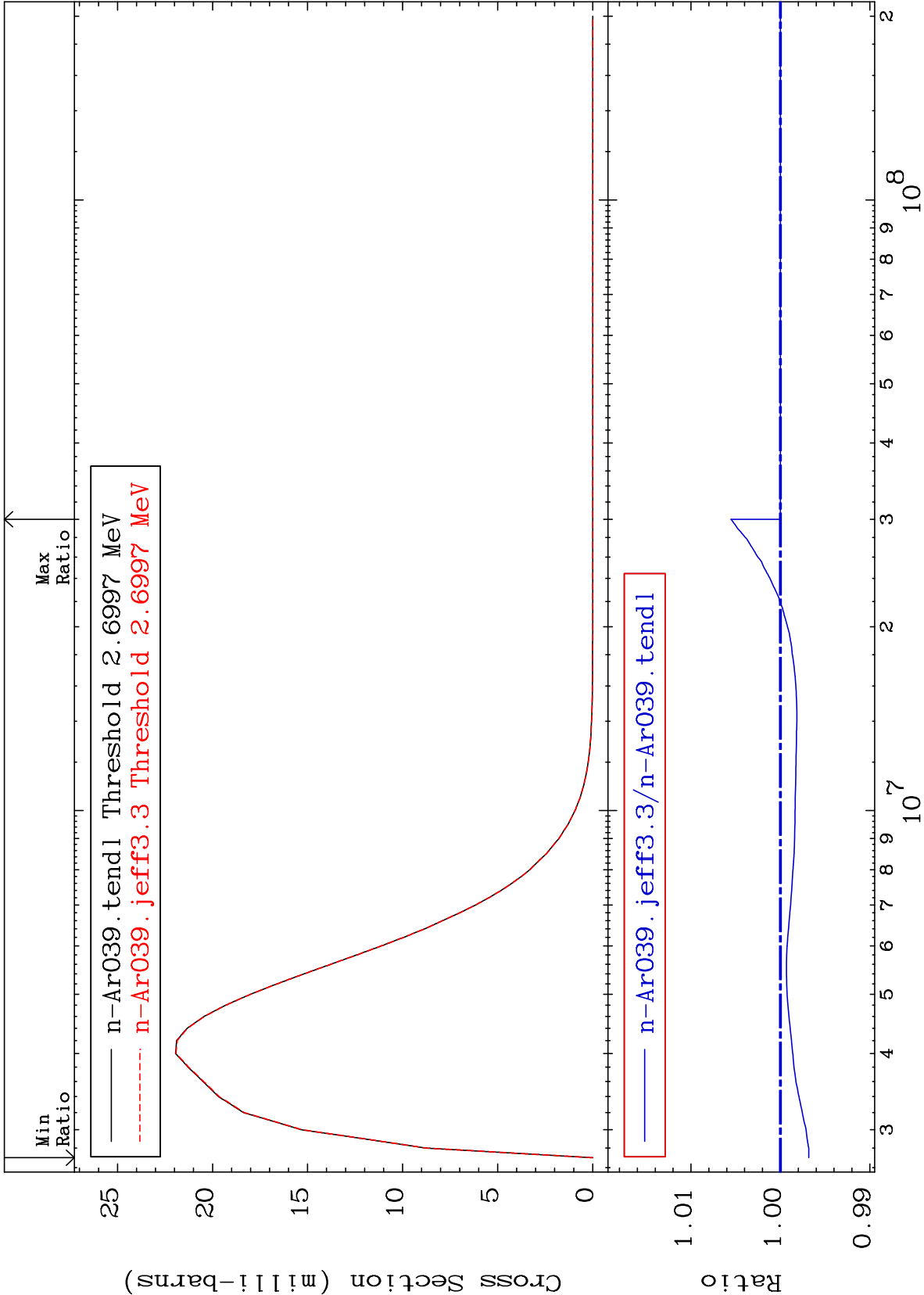
MAT 1834

MT= 60 (n,n') Level

18-Ar-39

-0.317 To 0.552 %

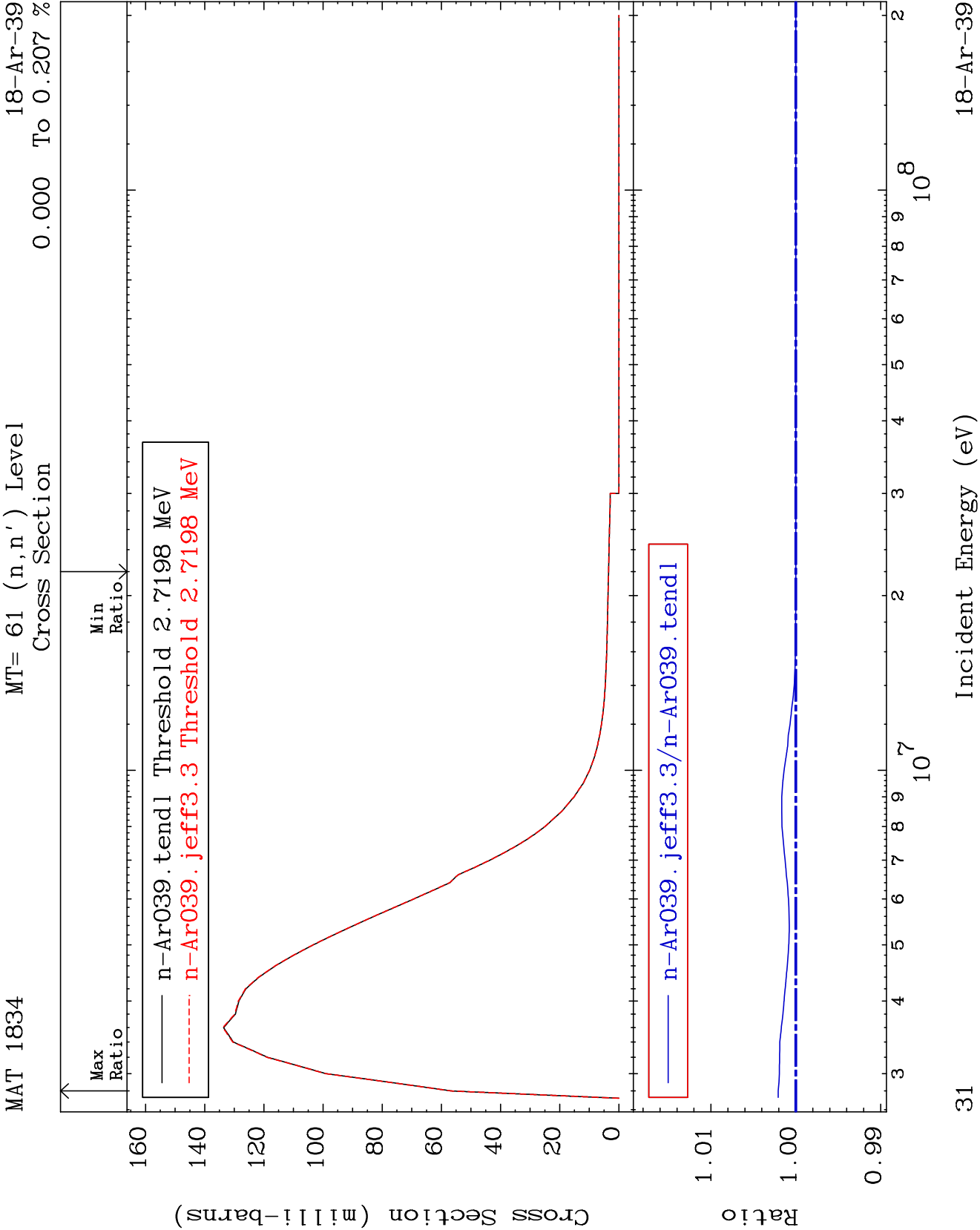
Cross Section



30

Incident Energy (eV)

18-Ar-39



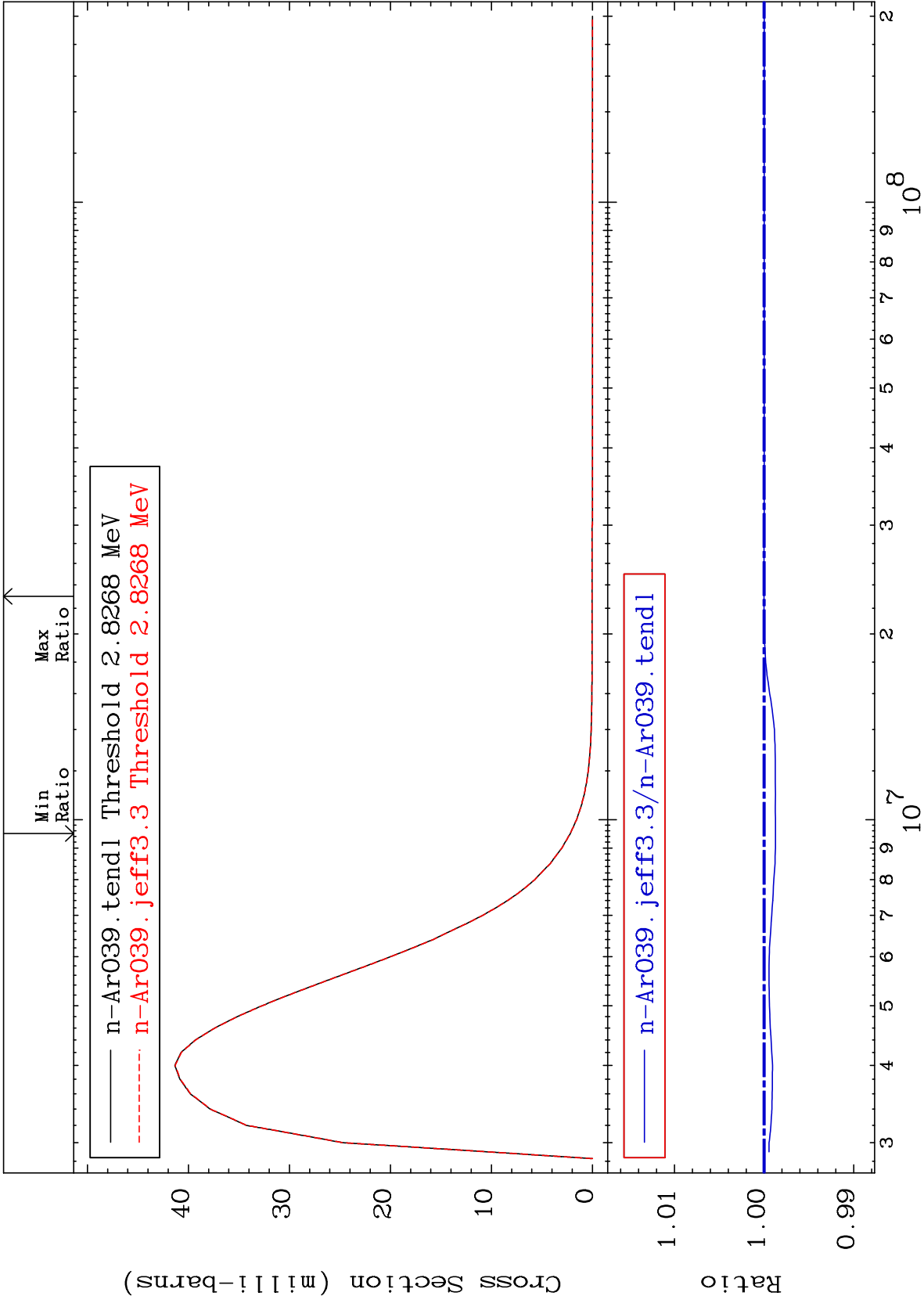
MAT 1834

MT= 62 (n,n') Level

18-Ar-39

-0.127 To 0.000 %

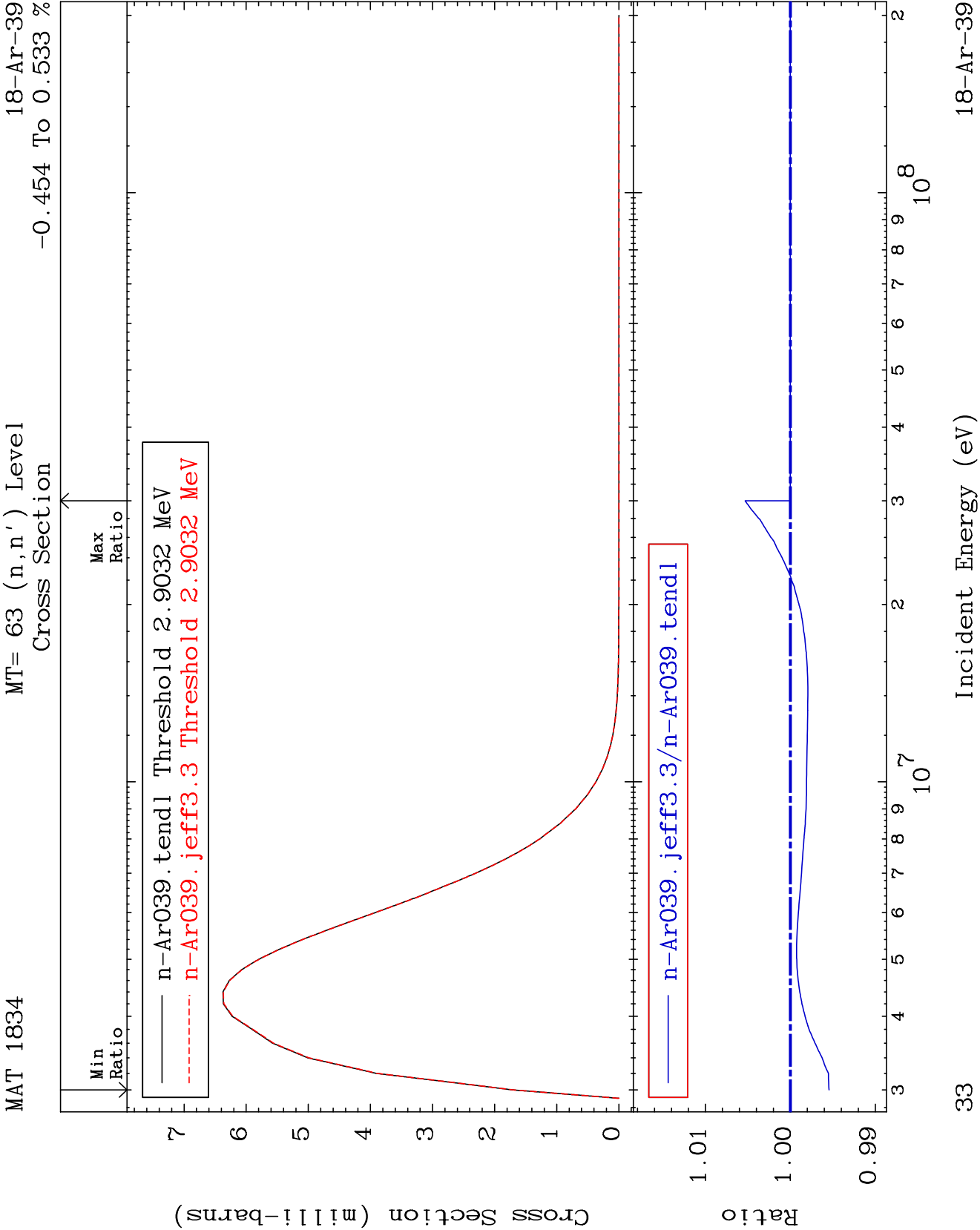
Cross Section

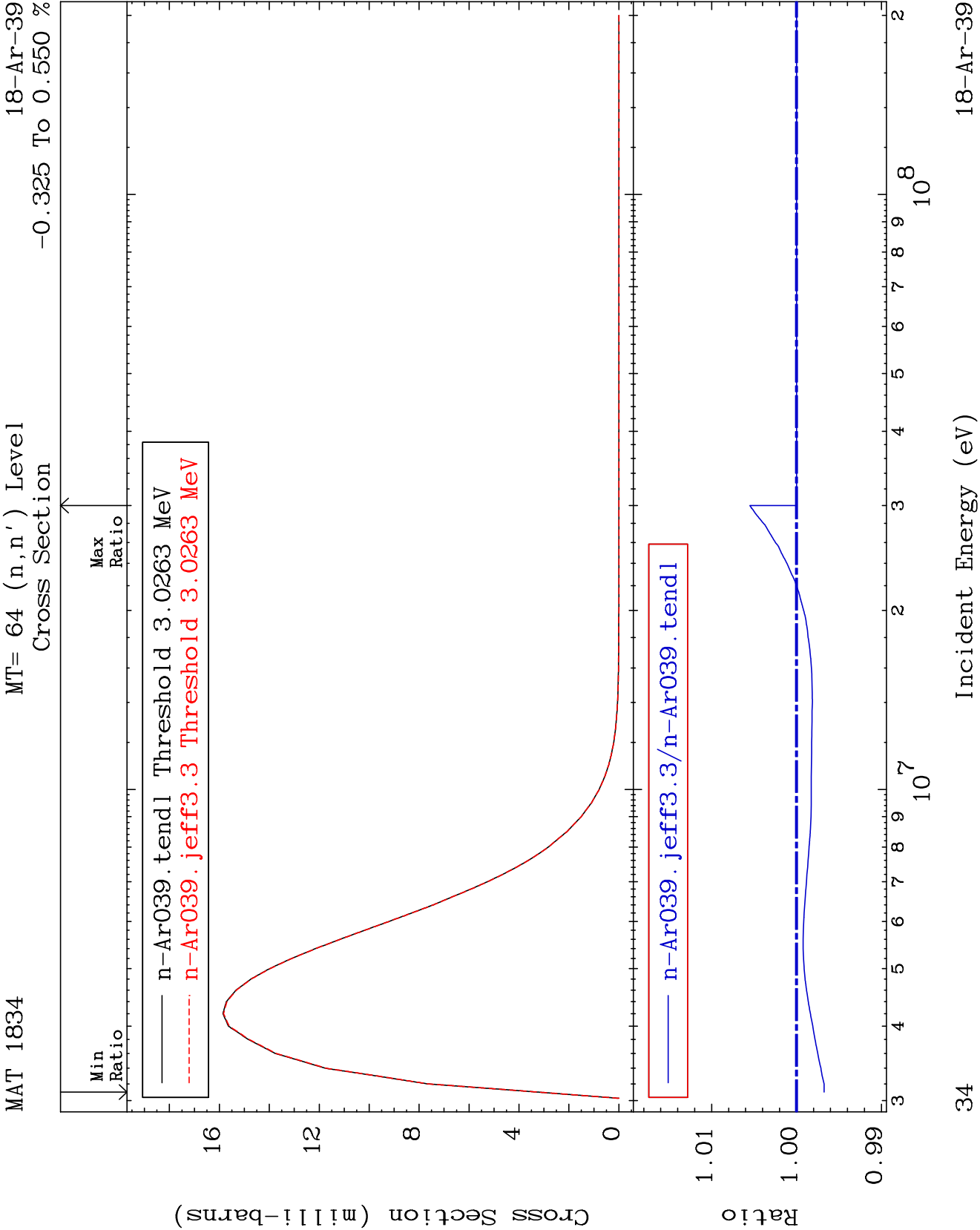


32

Incident Energy (eV)

18-Ar-39





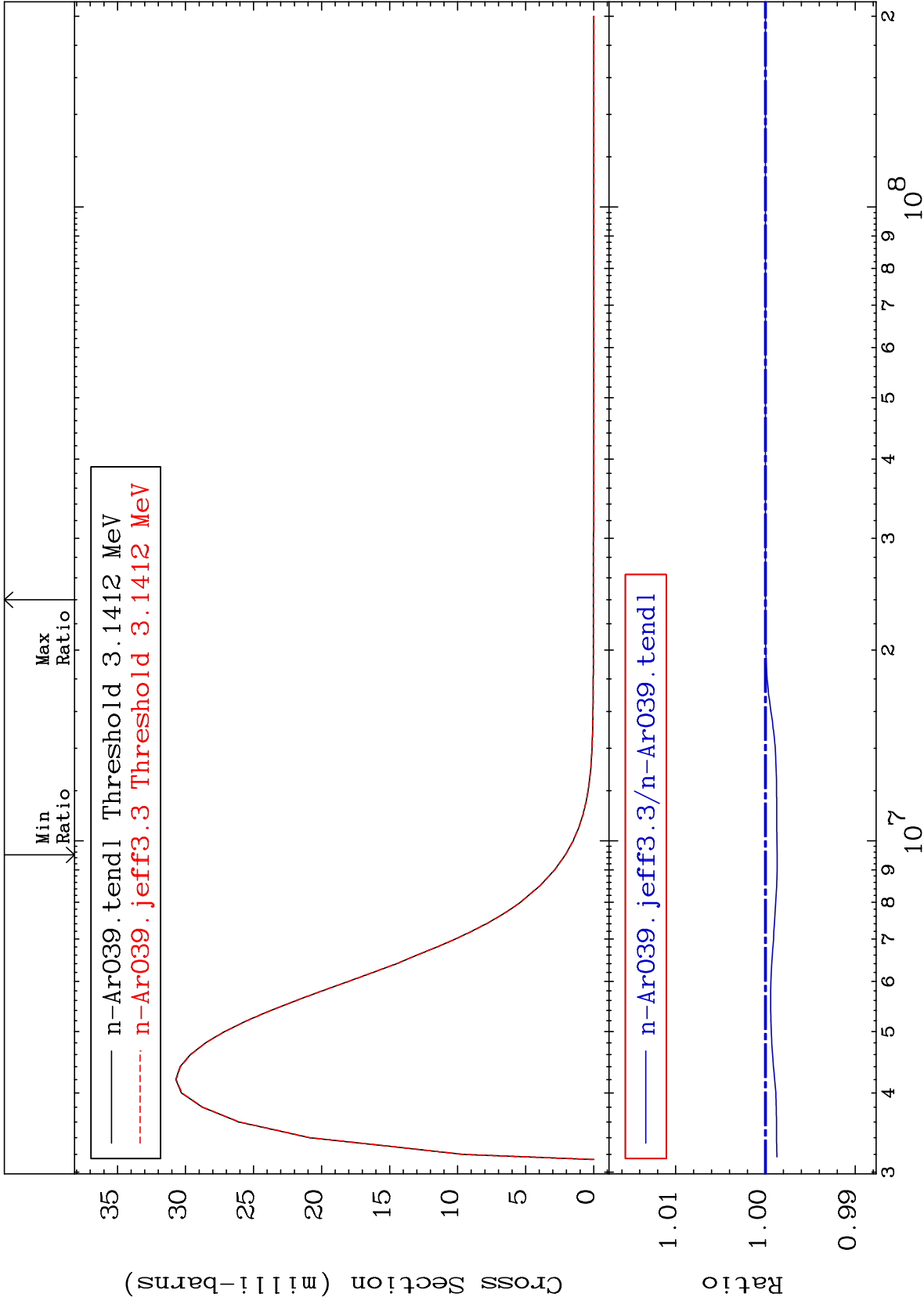
MAT 1834

MT= 65 (n,n') Level

18-Ar-39

-0.130 To 0.001 %

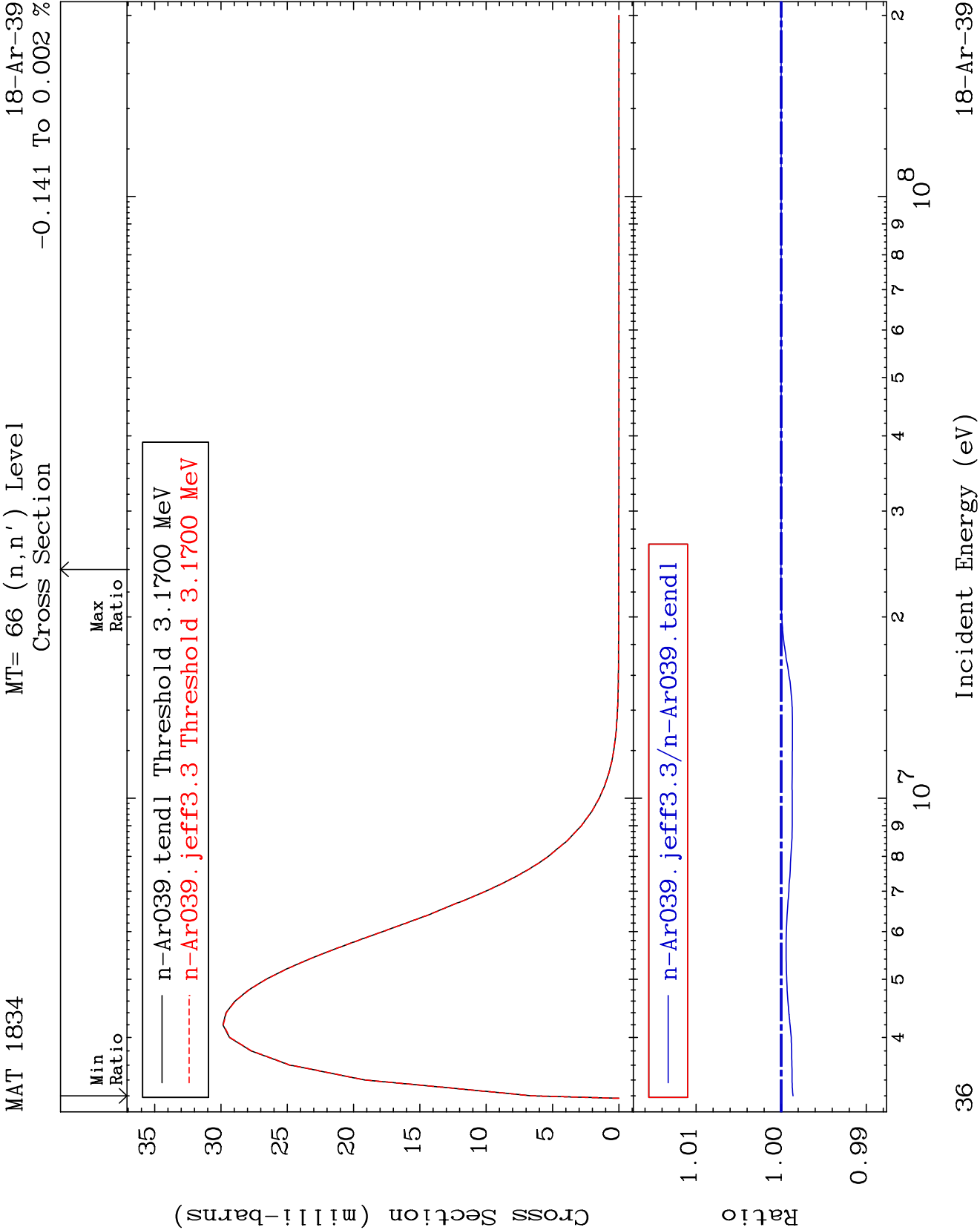
Cross Section

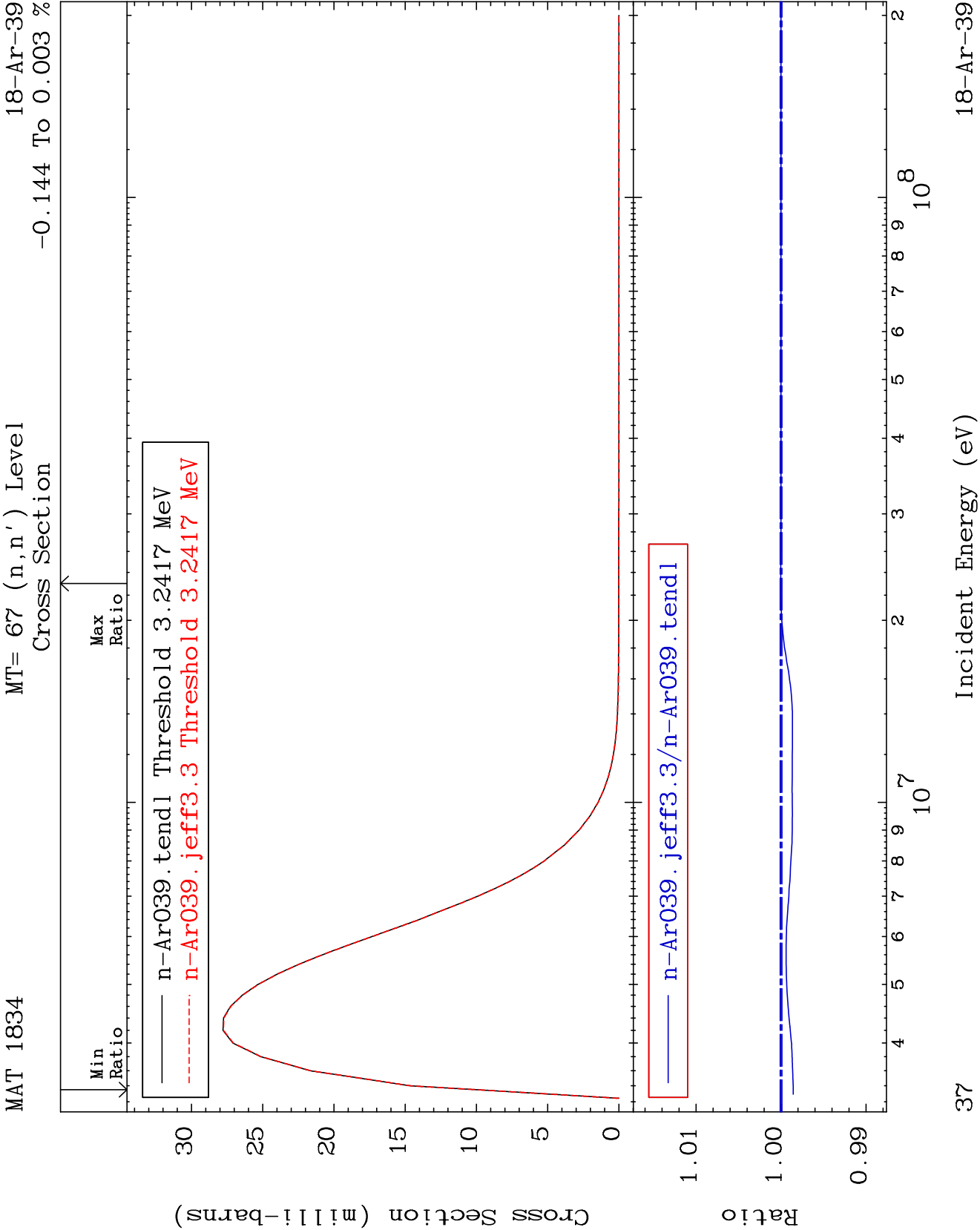


35

Incident Energy (eV)

18-Ar-39

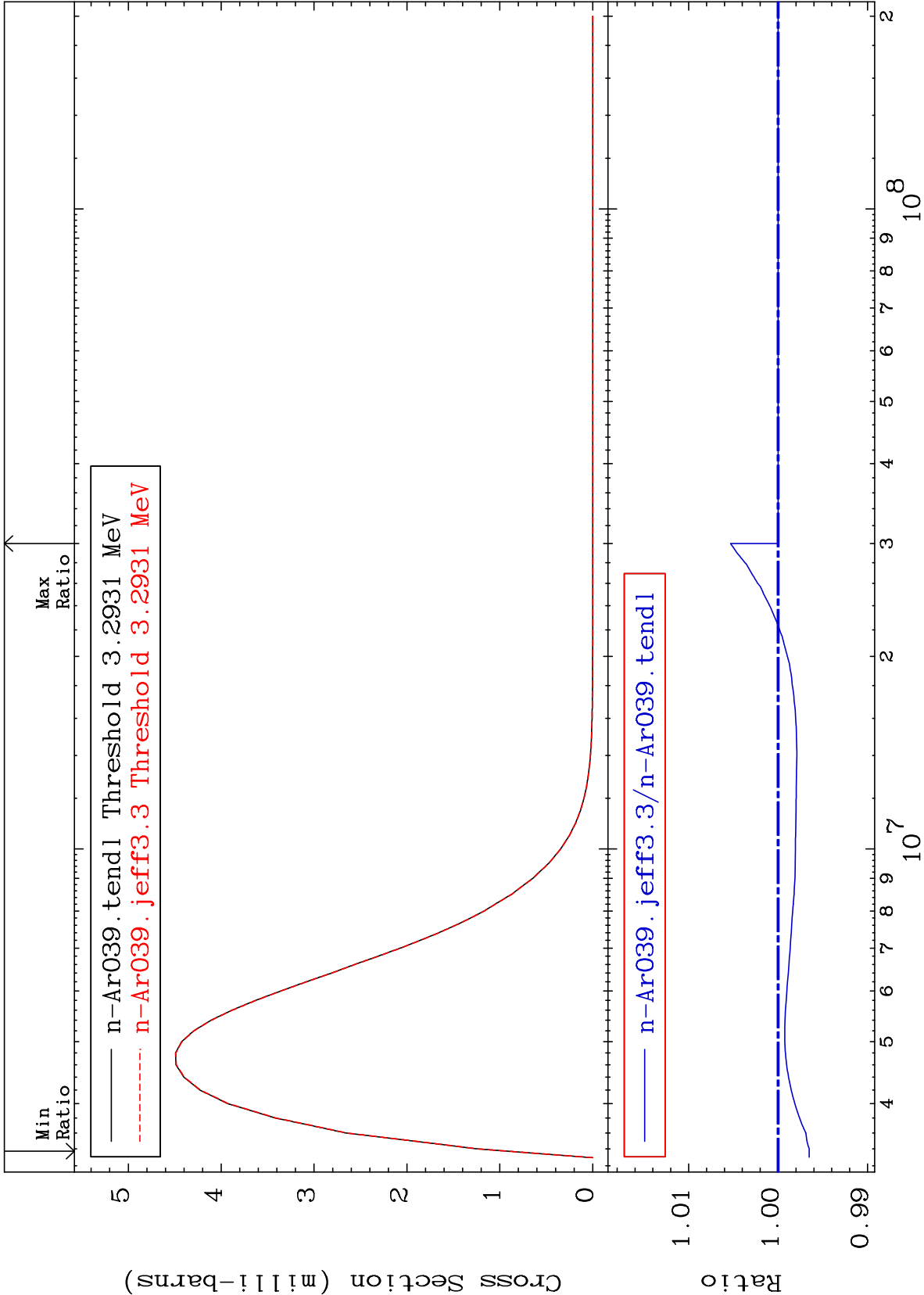


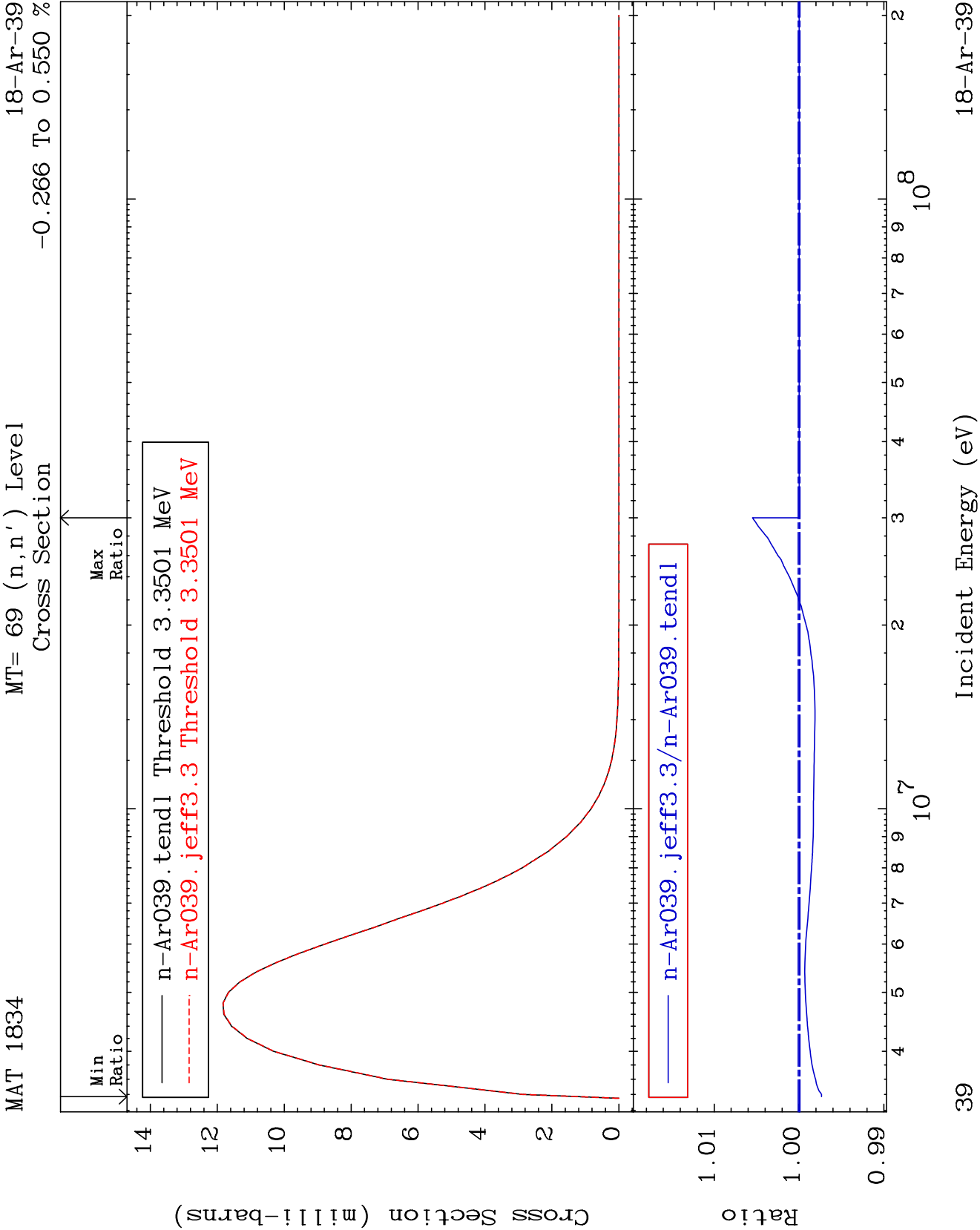


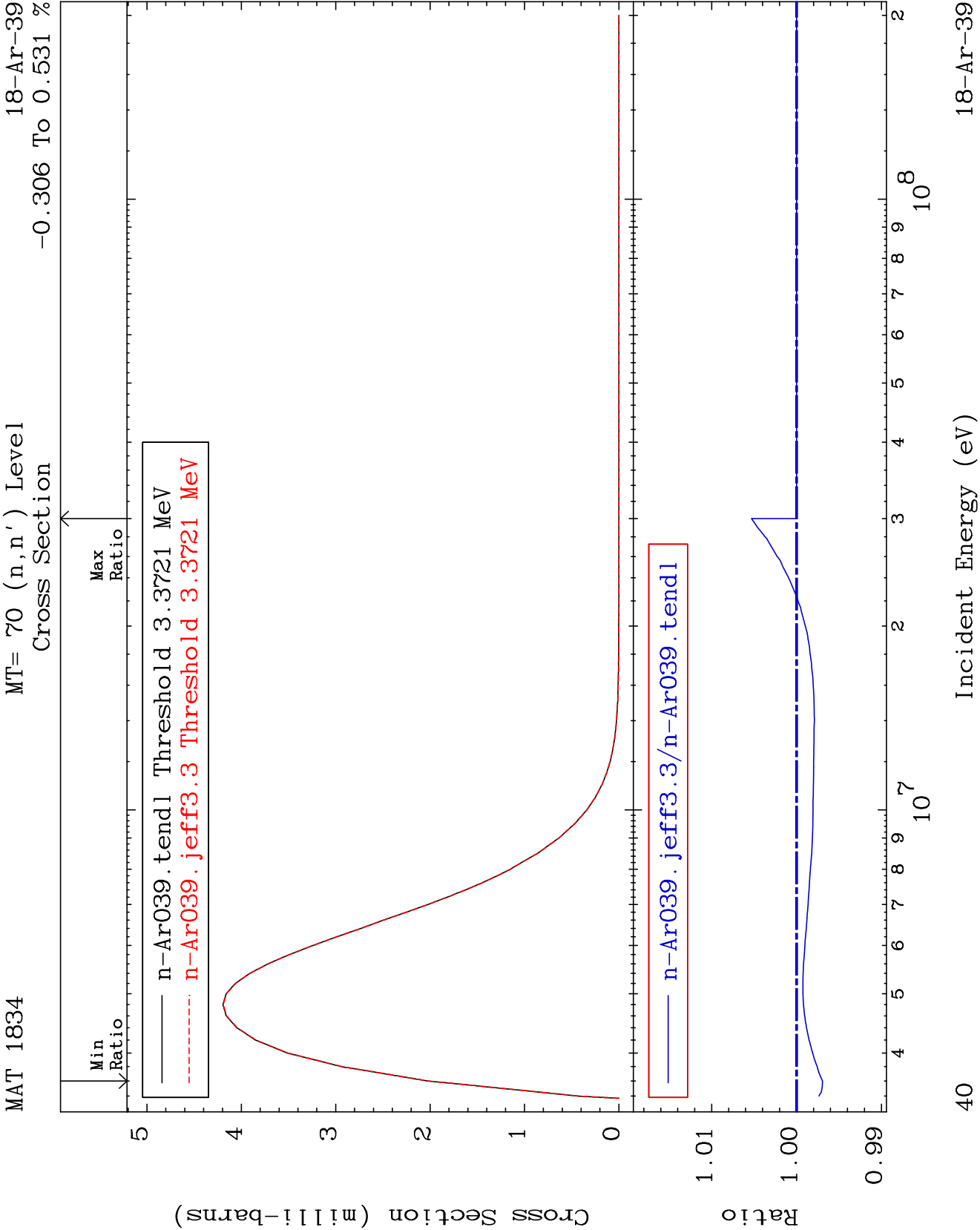
MAT 1834

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

18-Ar-39
-0.348 To 0.532 %



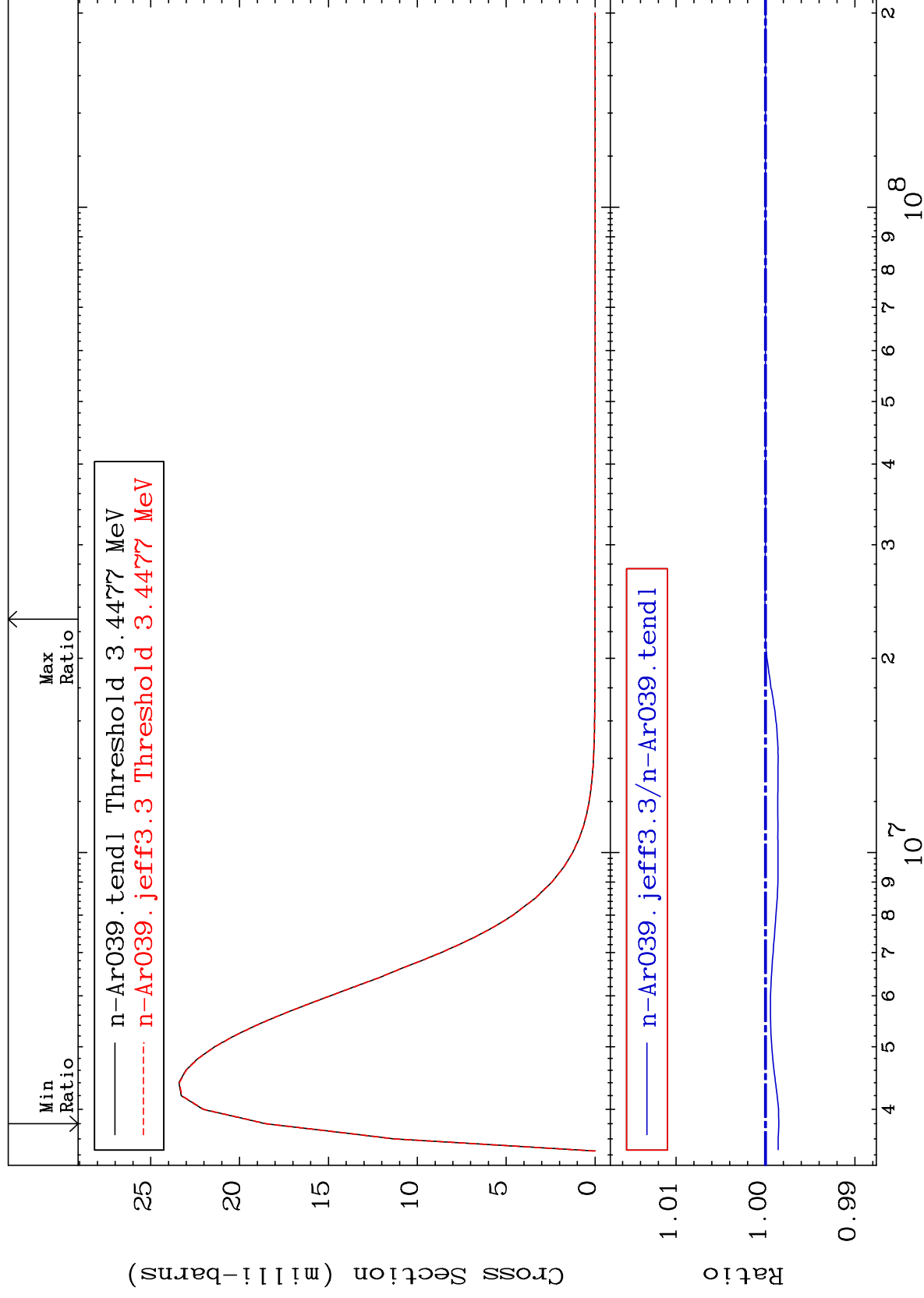




MAT 1834

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

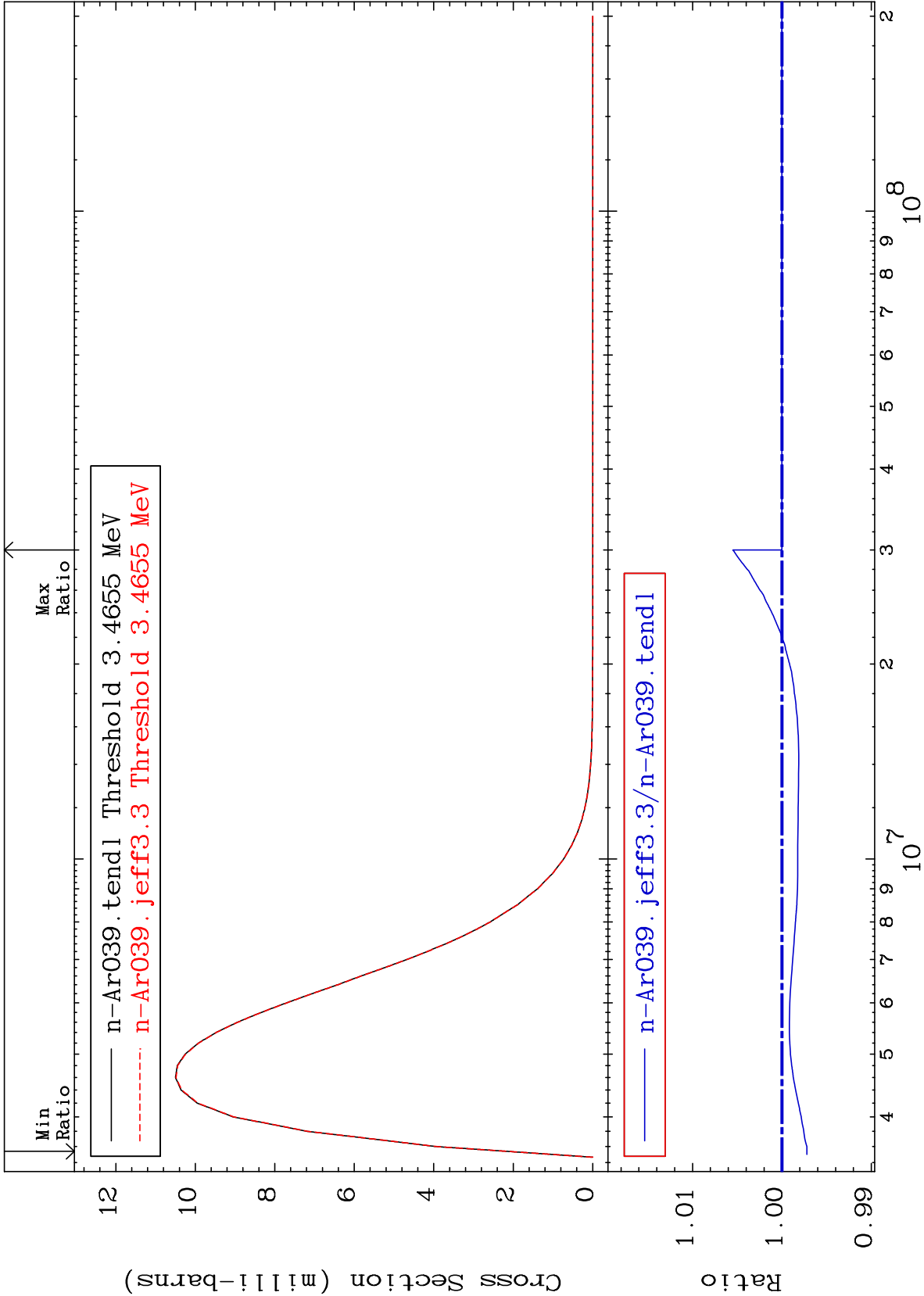
18-Ar-39
-0.149 To 0.007 %



MAT 1834

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

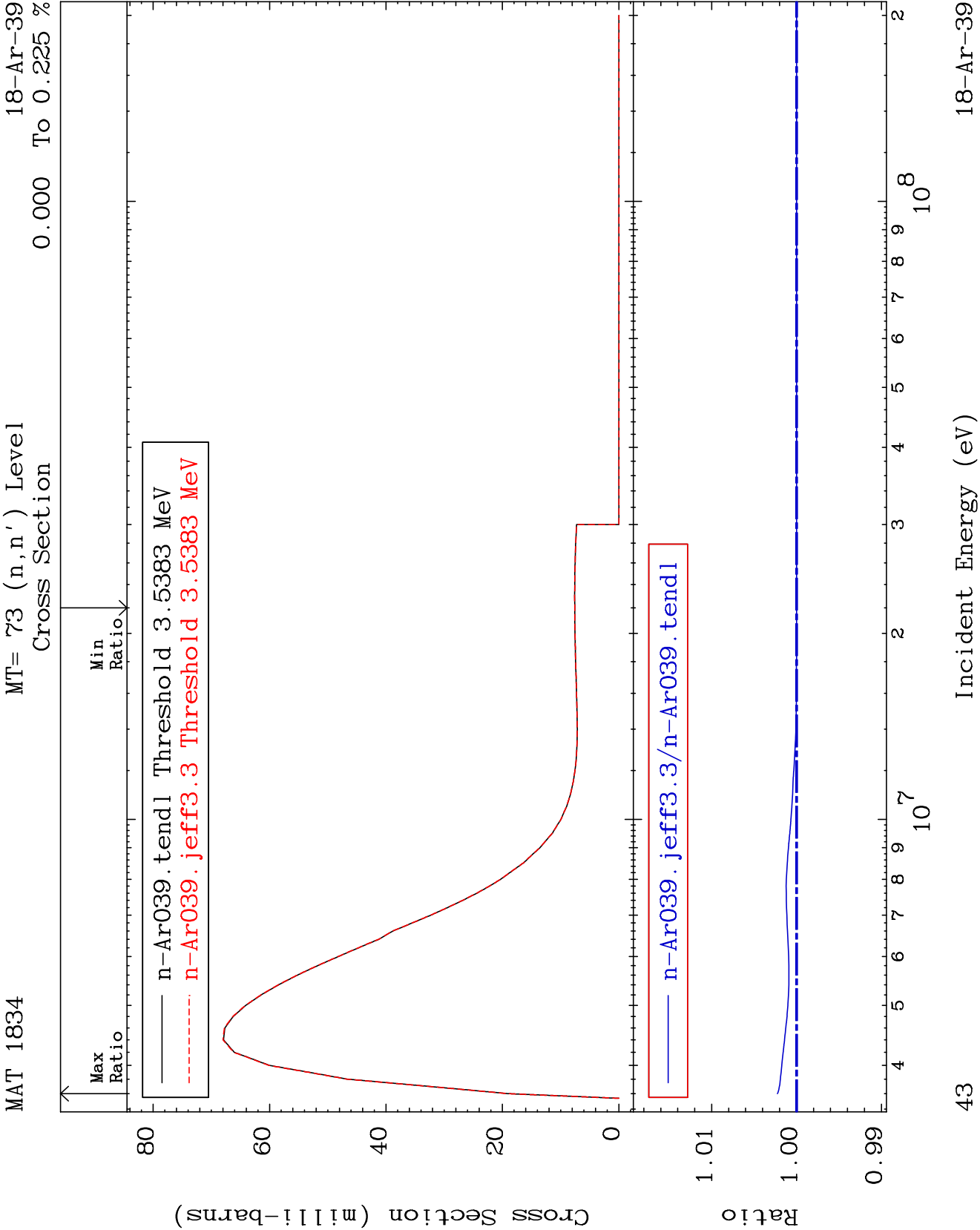
18-Ar-39
-0.279 To 0.548 %



42

Incident Energy (eV)

18-Ar-39



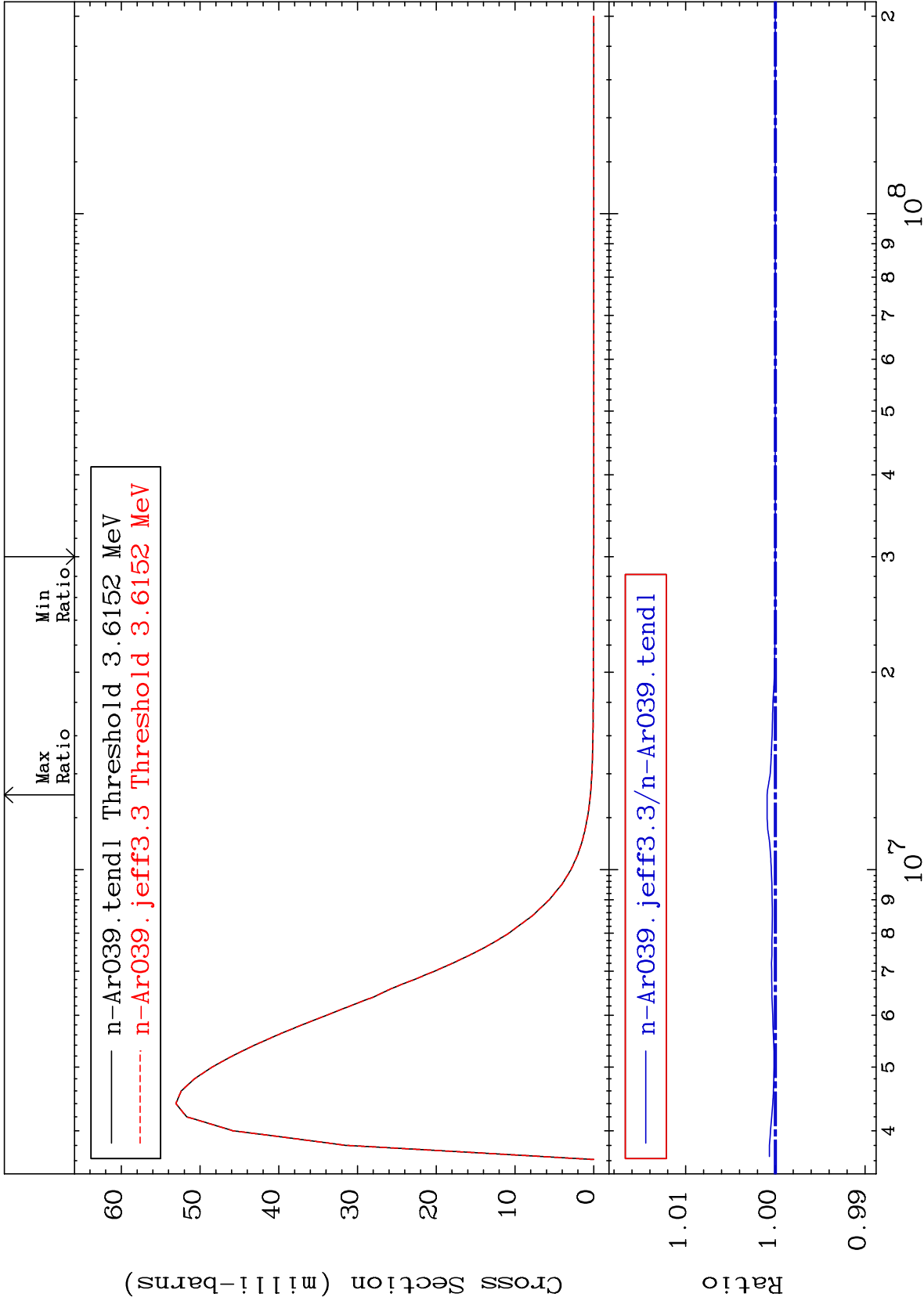
MAT 1834

MT= 74 (n,n') Level

18-Ar-39

0.000 To 0.092 %

Cross Section



44

Incident Energy (eV)

18-Ar-39

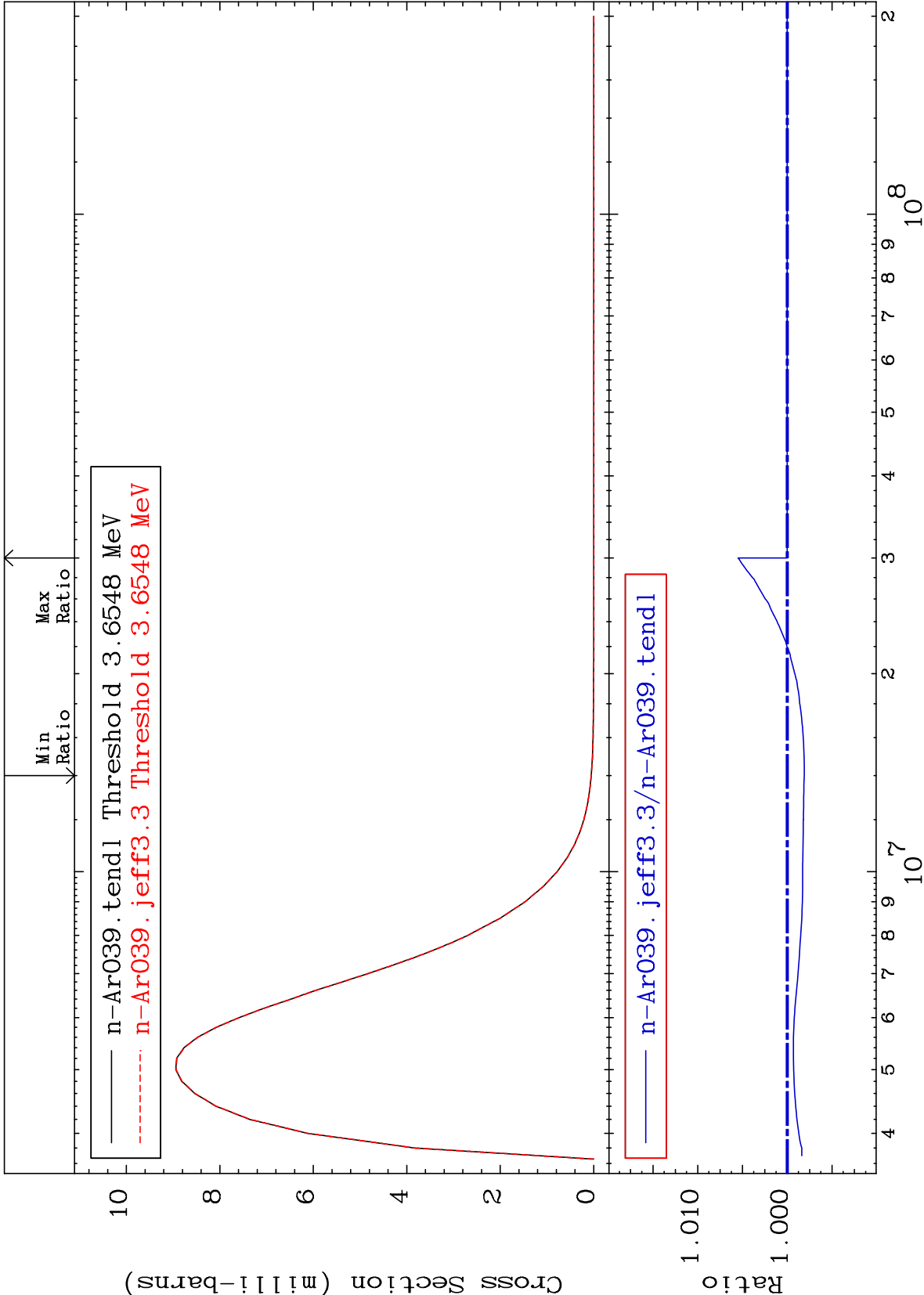
MAT 1834

MT= 75 (n,n') Level

18-Ar-39

-0.190 To 0.548 %

Cross Section



45

Incident Energy (eV)

18-Ar-39

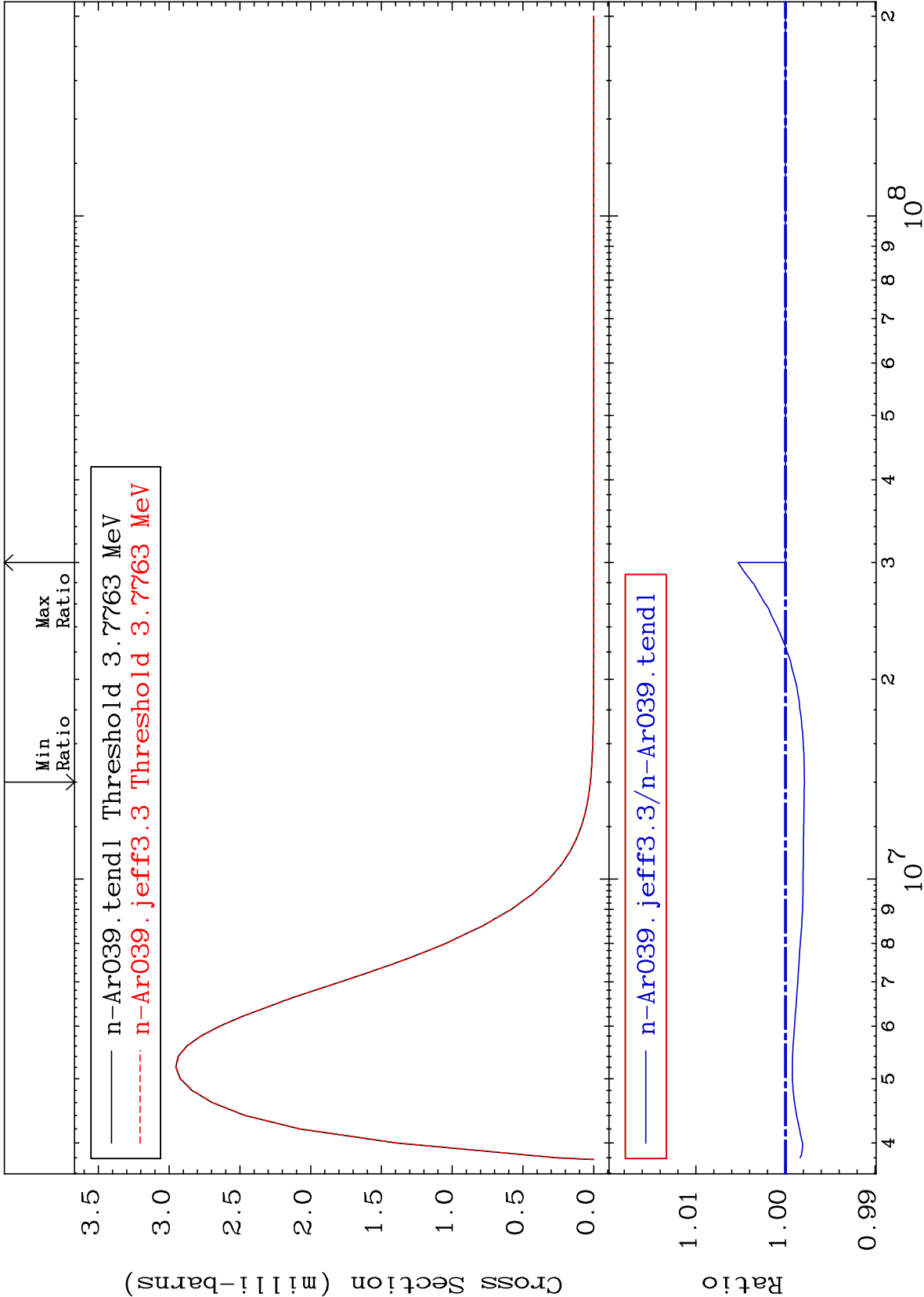
MAT 1834

MT= 77 (n,n') Level

18-Ar-39

-0.211 To 0.530 %

Cross Section



47

Incident Energy (eV)

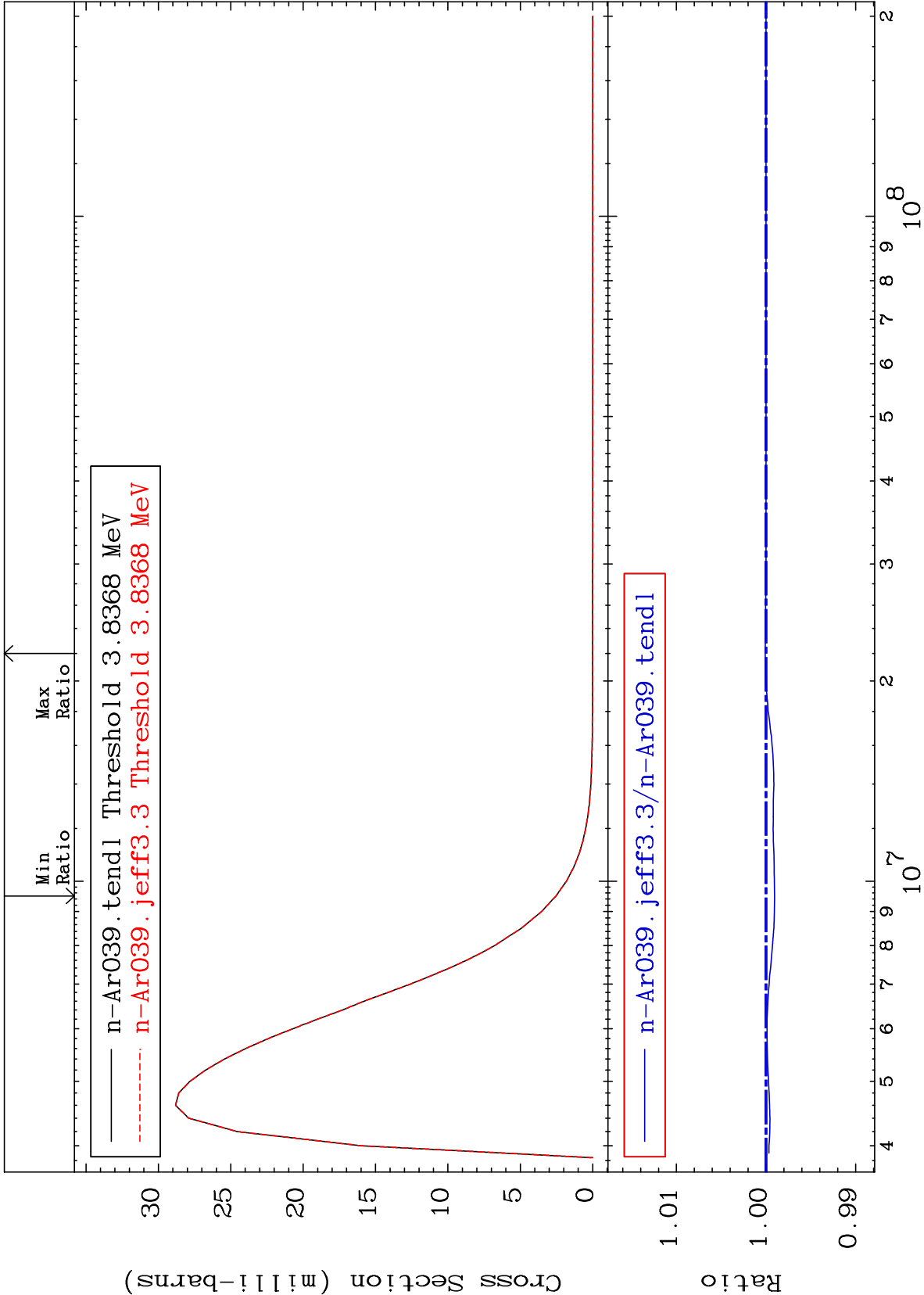
18-Ar-39

MAT 1834

MT= 78 (n,n') Level

18-Ar-39

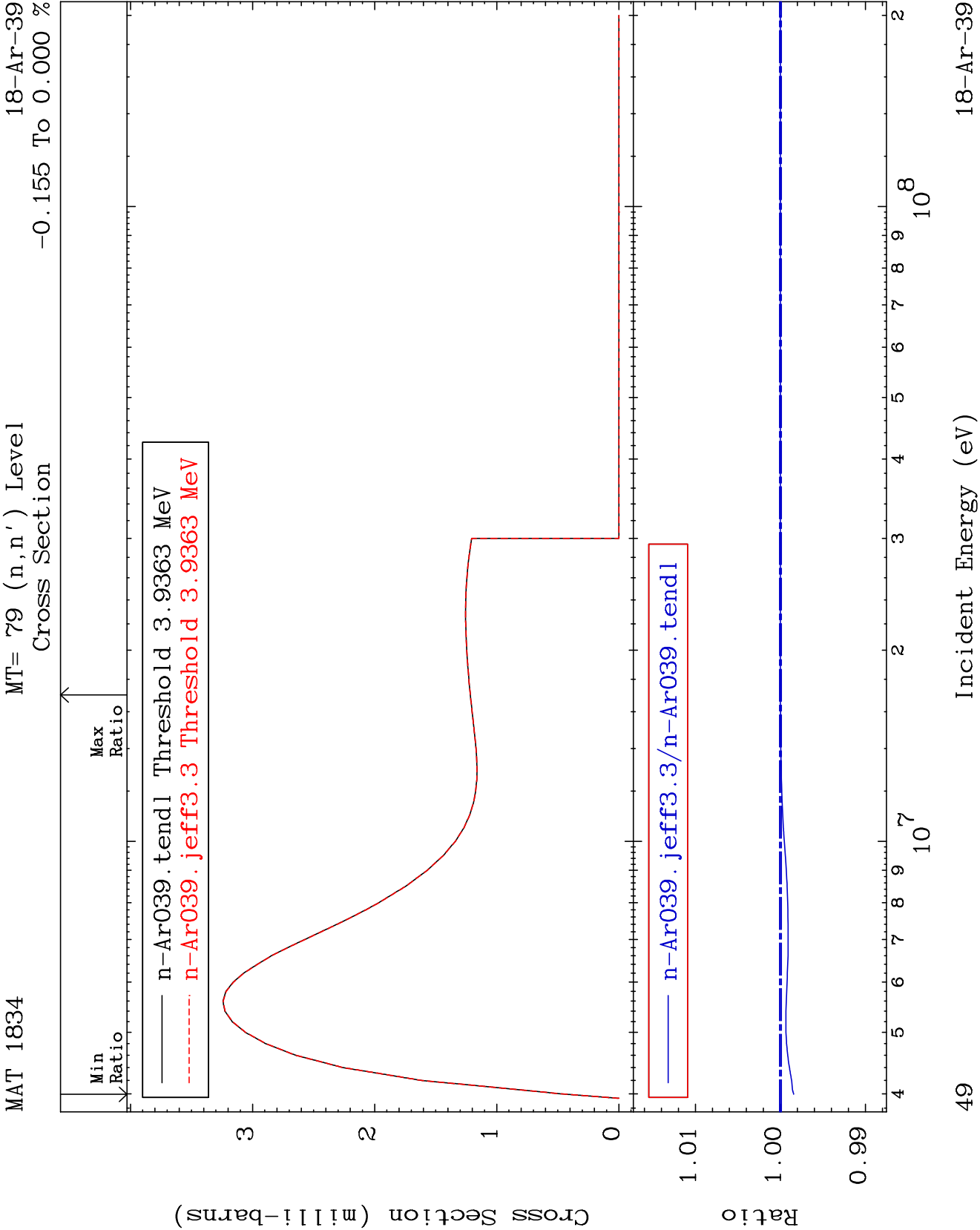
Cross Section
-0.095 To 0.009 %

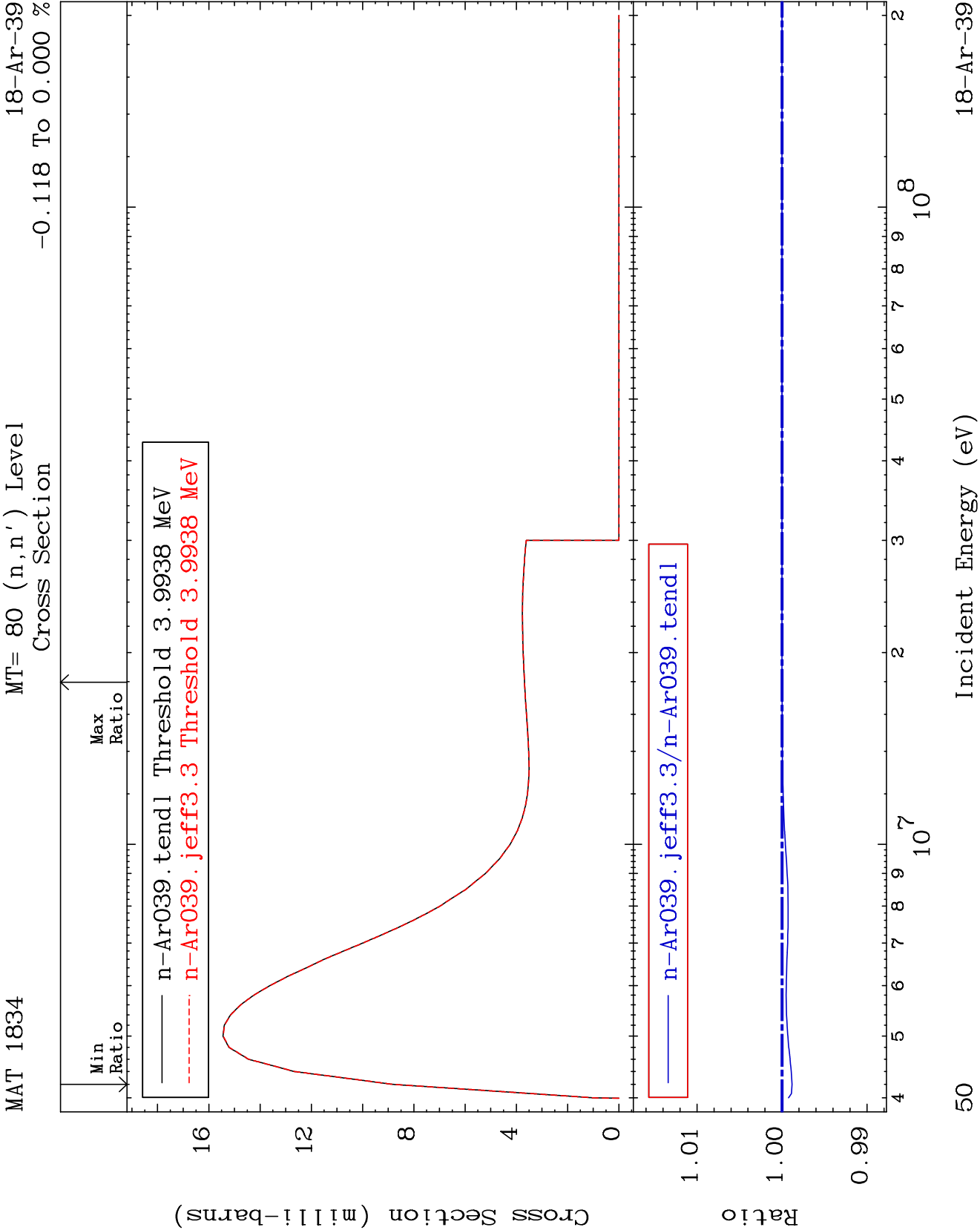


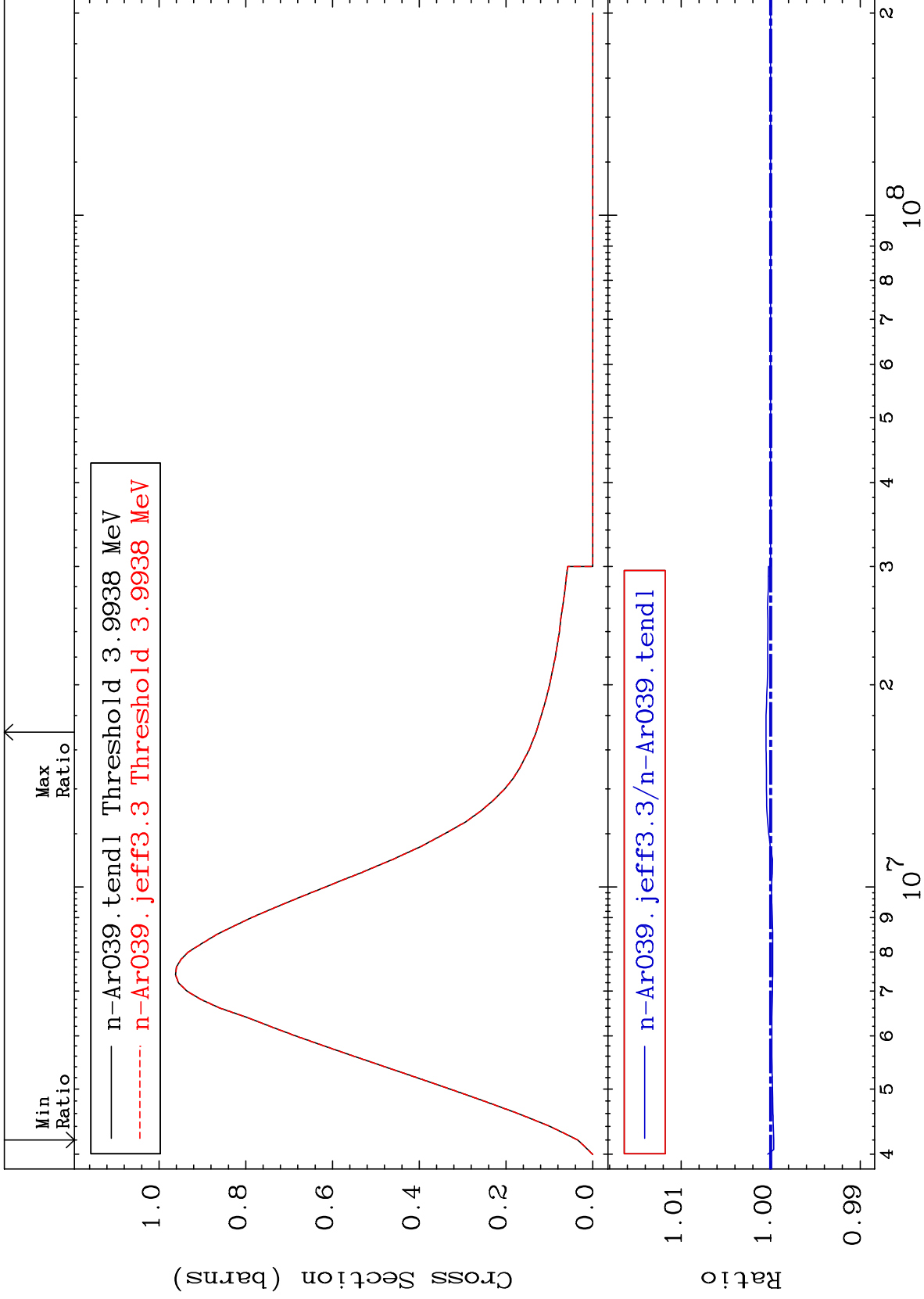
48

Incident Energy (eV)

18-Ar-39

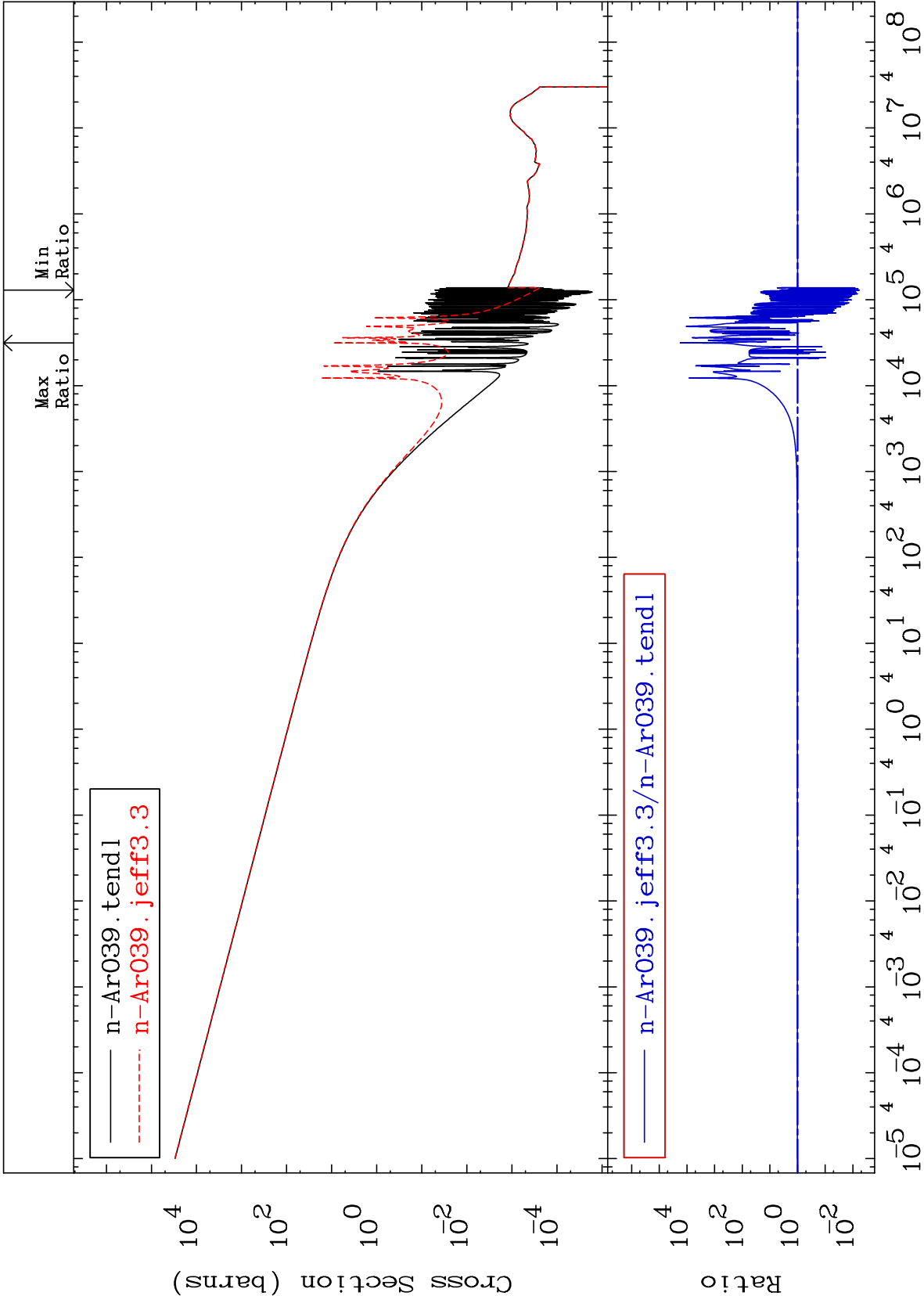






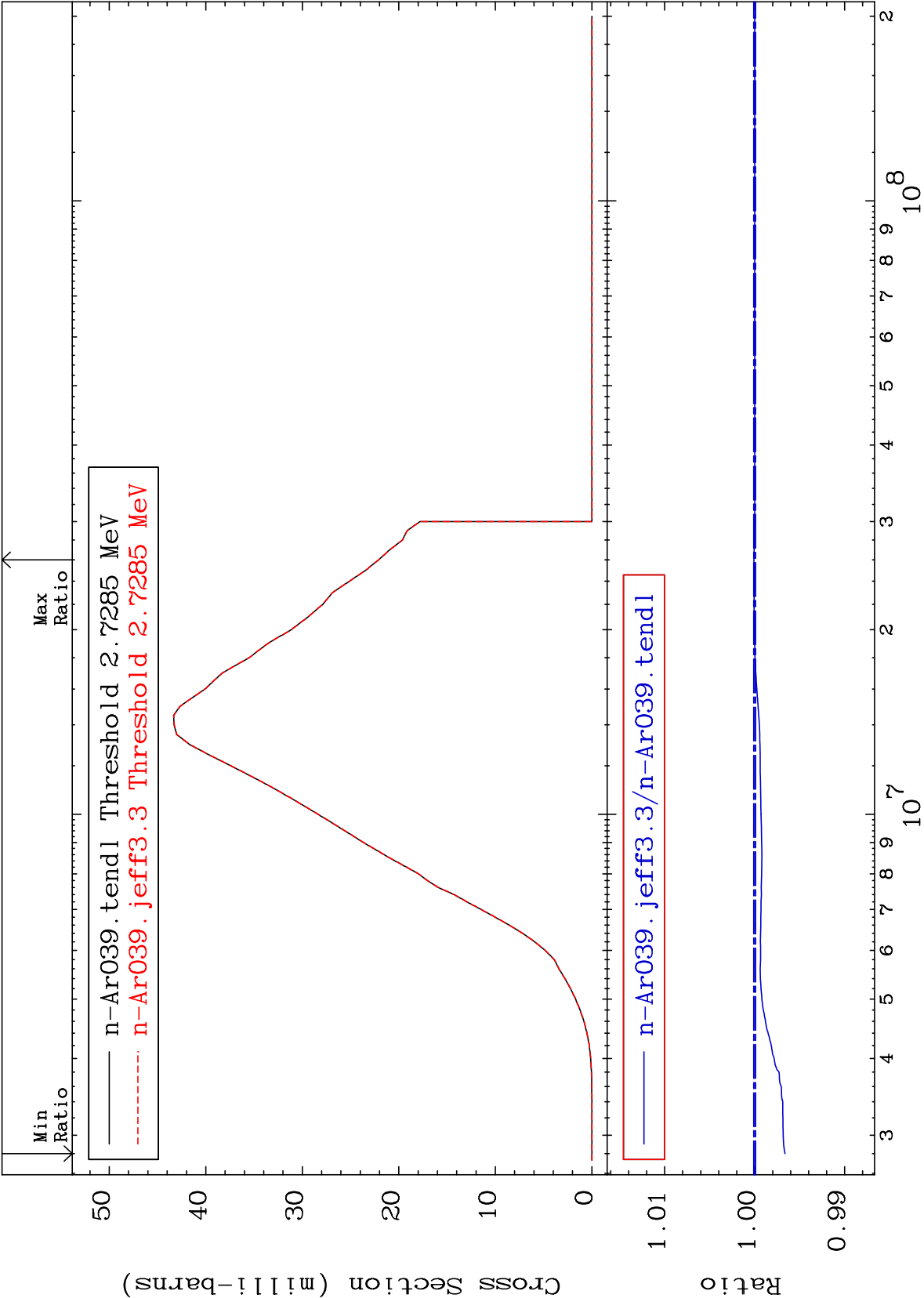
(n, γ)
Cross Section

-99.42 To 9999. %



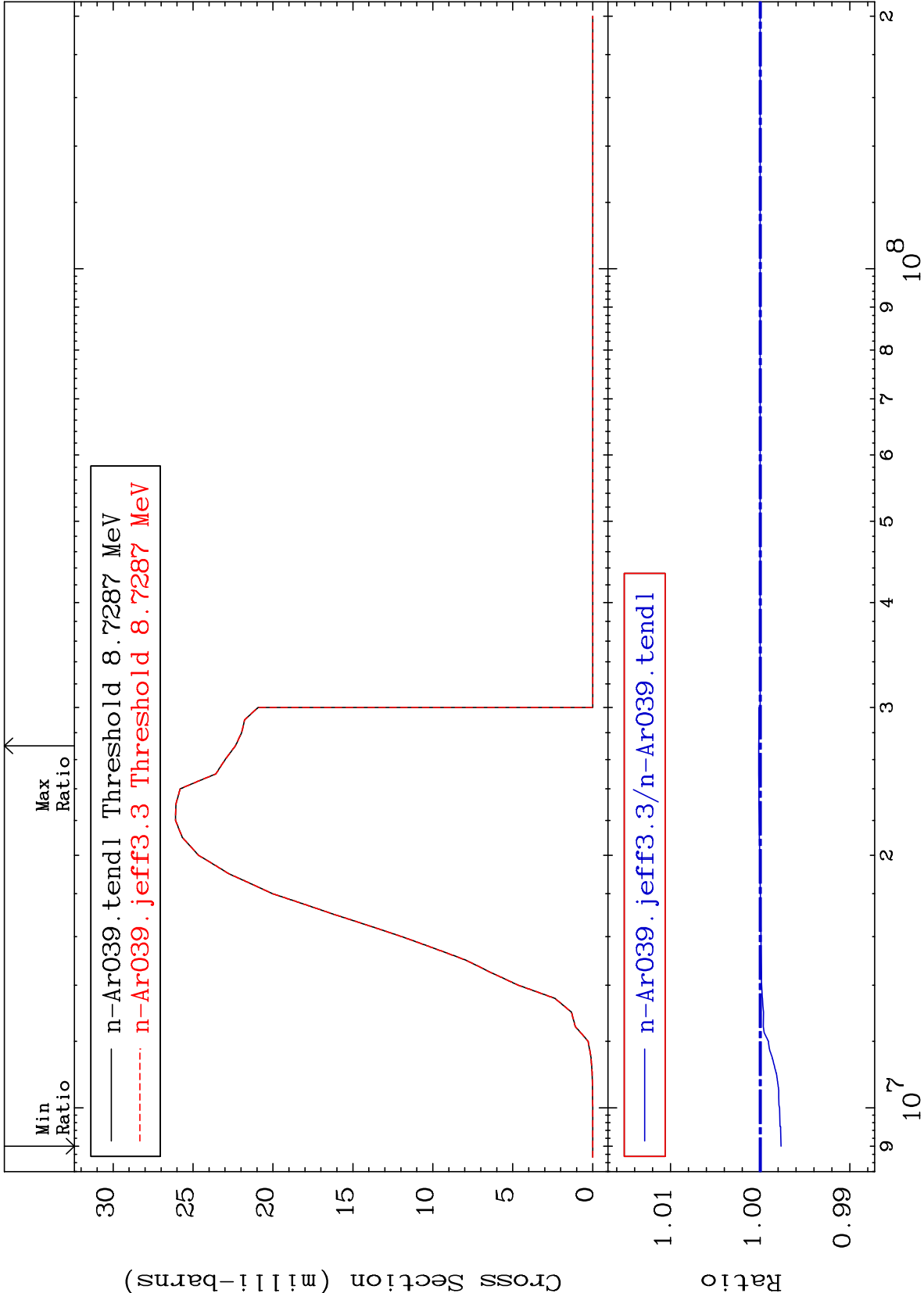
(n,p)
Cross Section

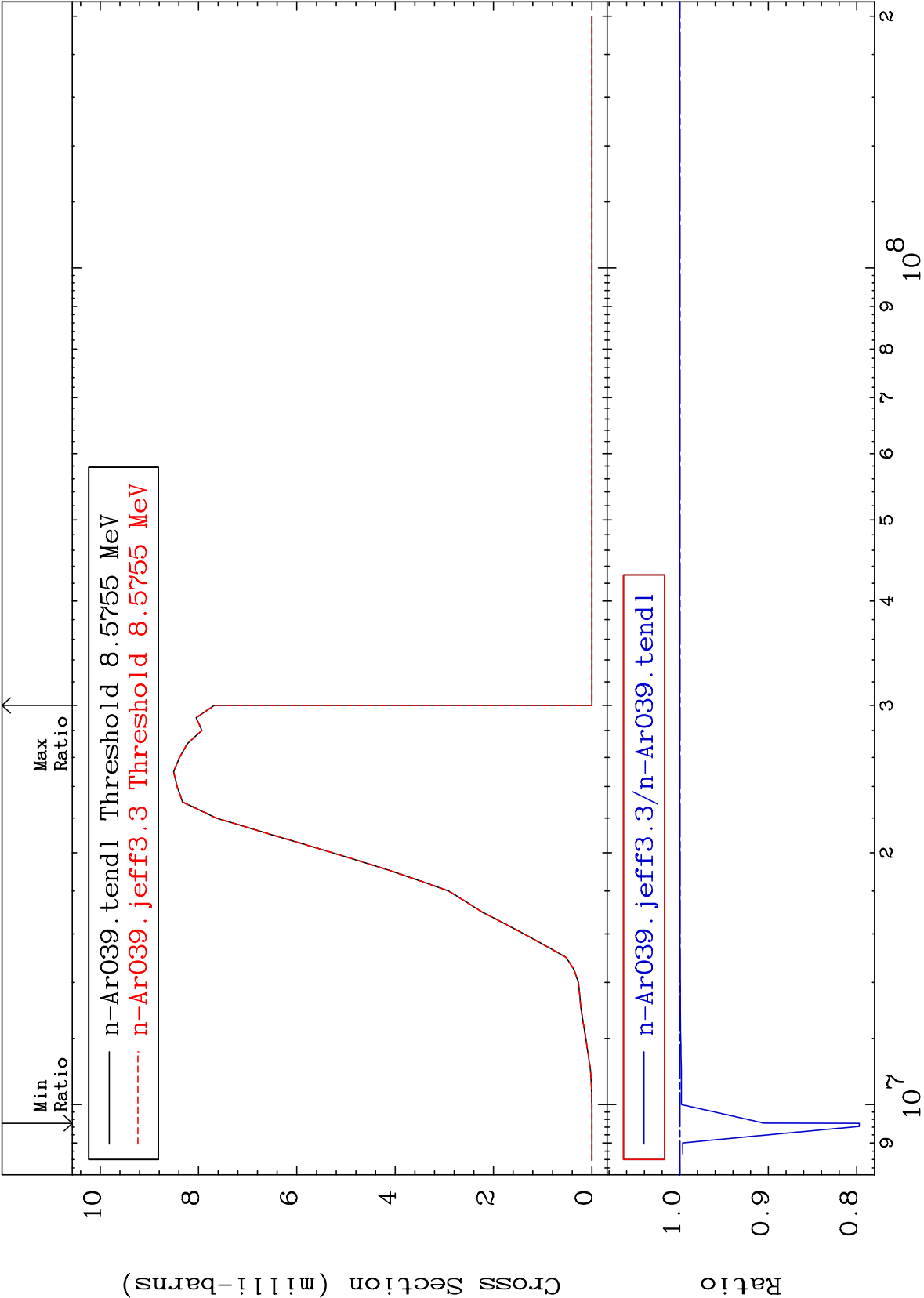
-0.338 To 0.008 %



(n,d)
Cross Section

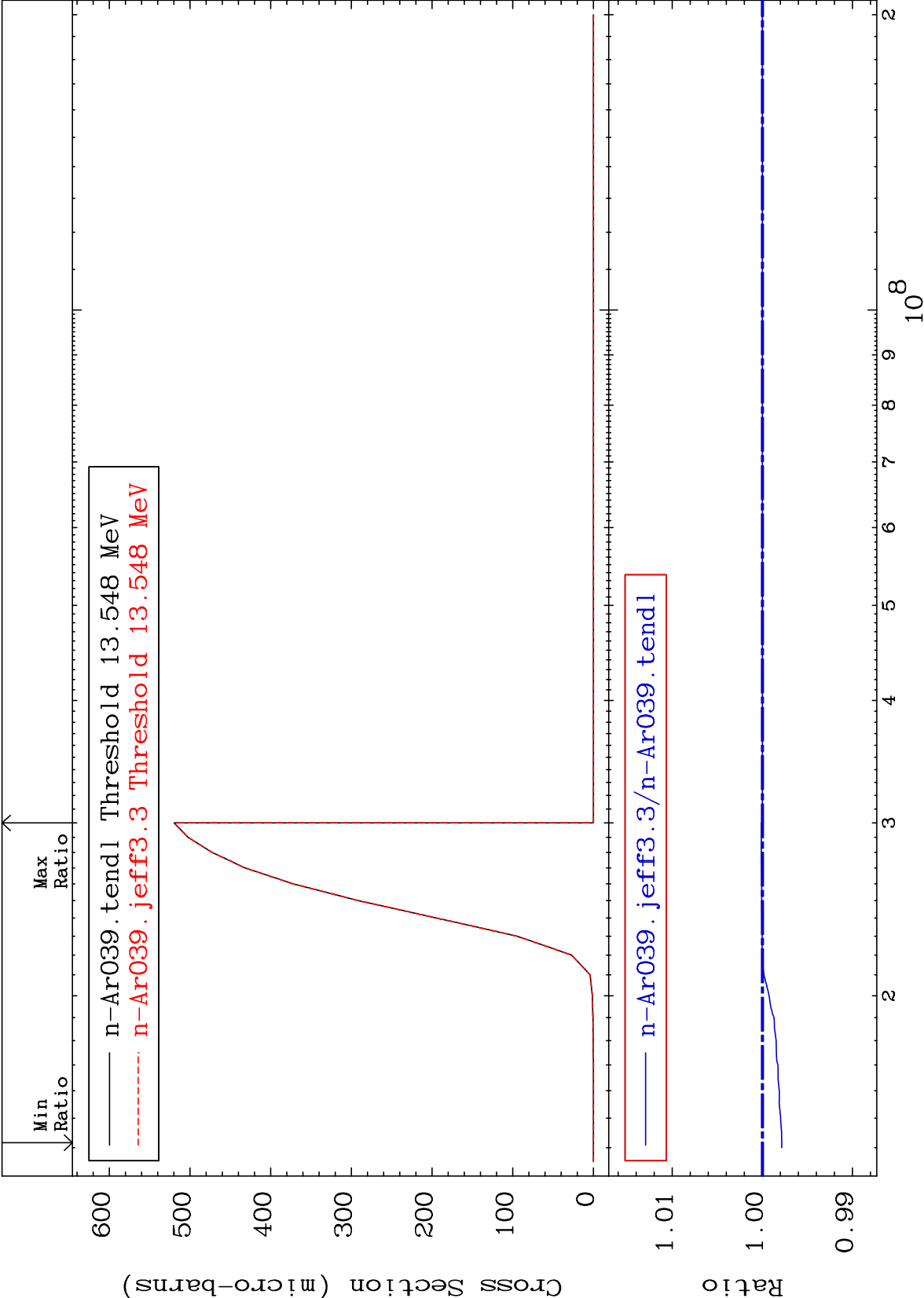
-0.233 To 0.017 %





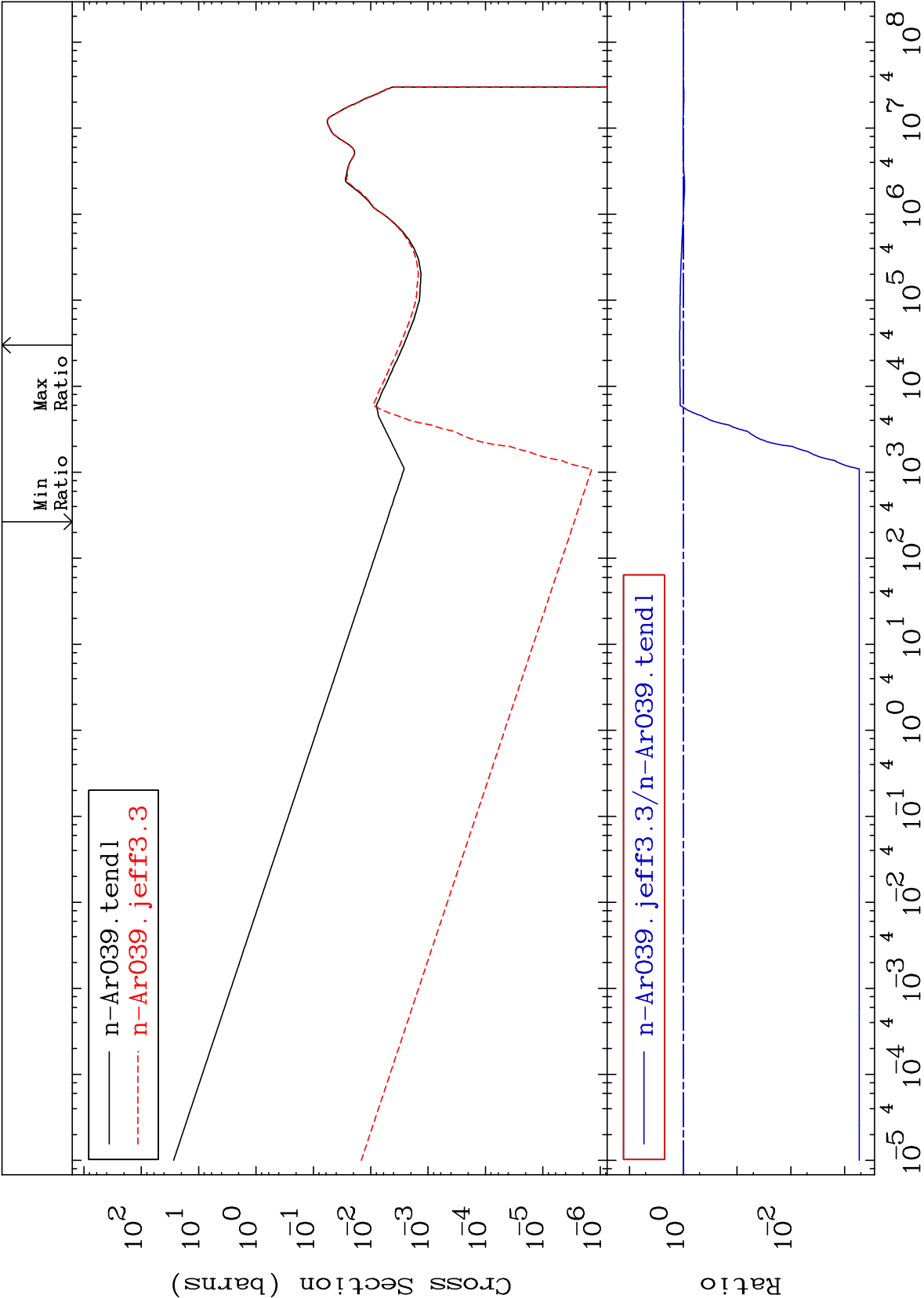
Cross Section

-0.215 To 0.013 %



(n, α)
Cross Section

-99.95 To 16.27 %



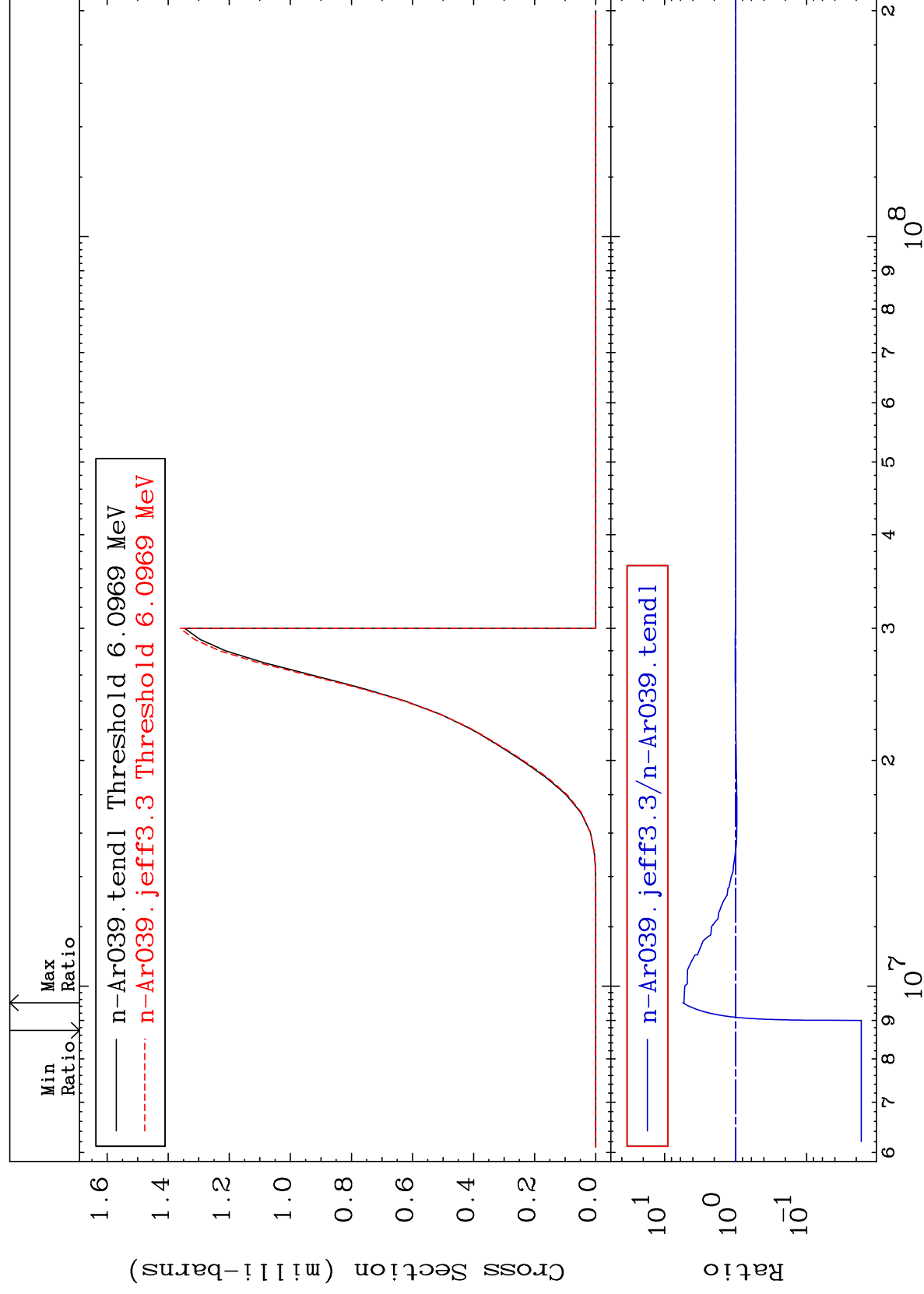
MAT 1834

 $(n, 2\alpha)$

18-Ar-39

Cross Section

-98.30 To 452.5 %



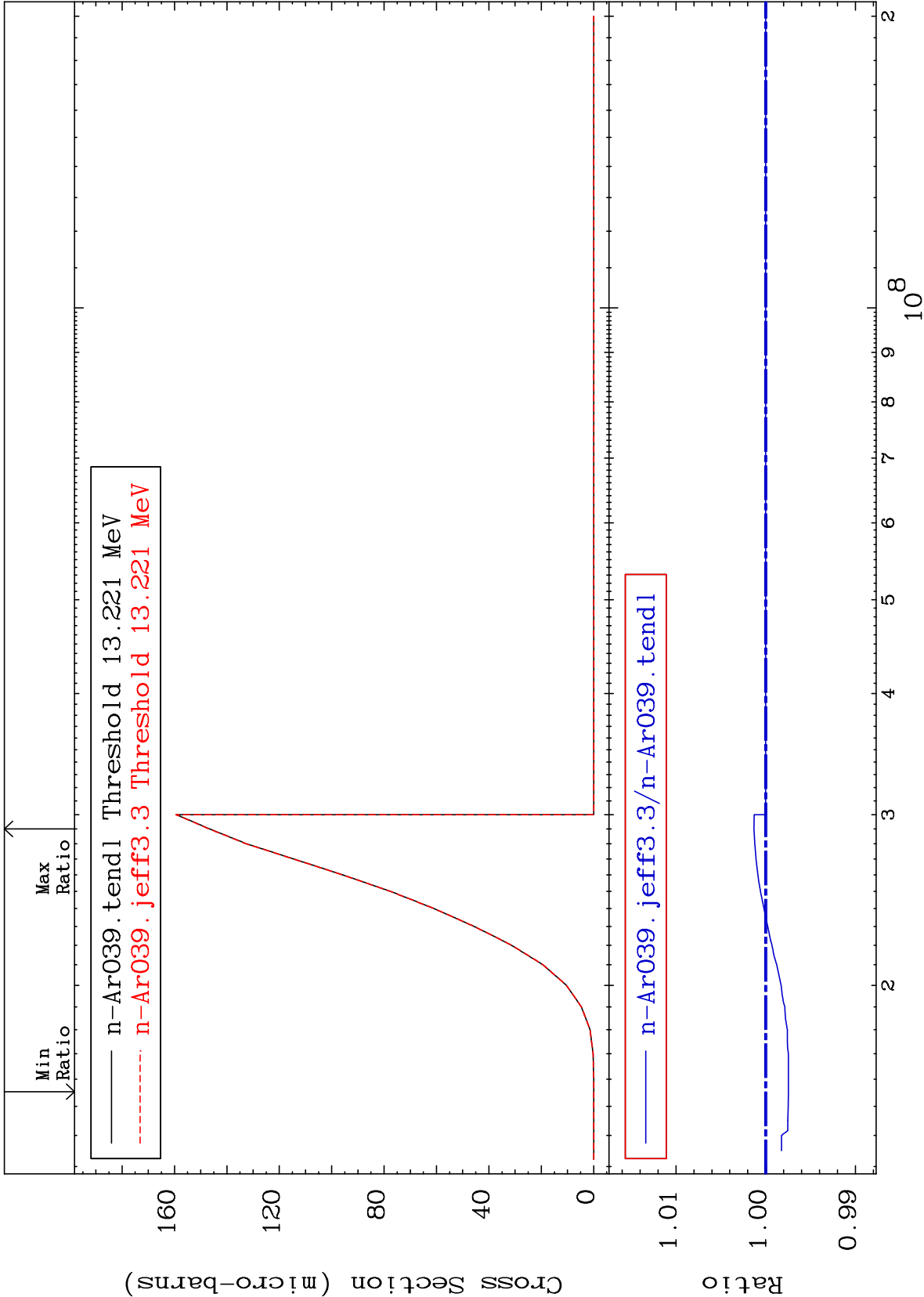
85

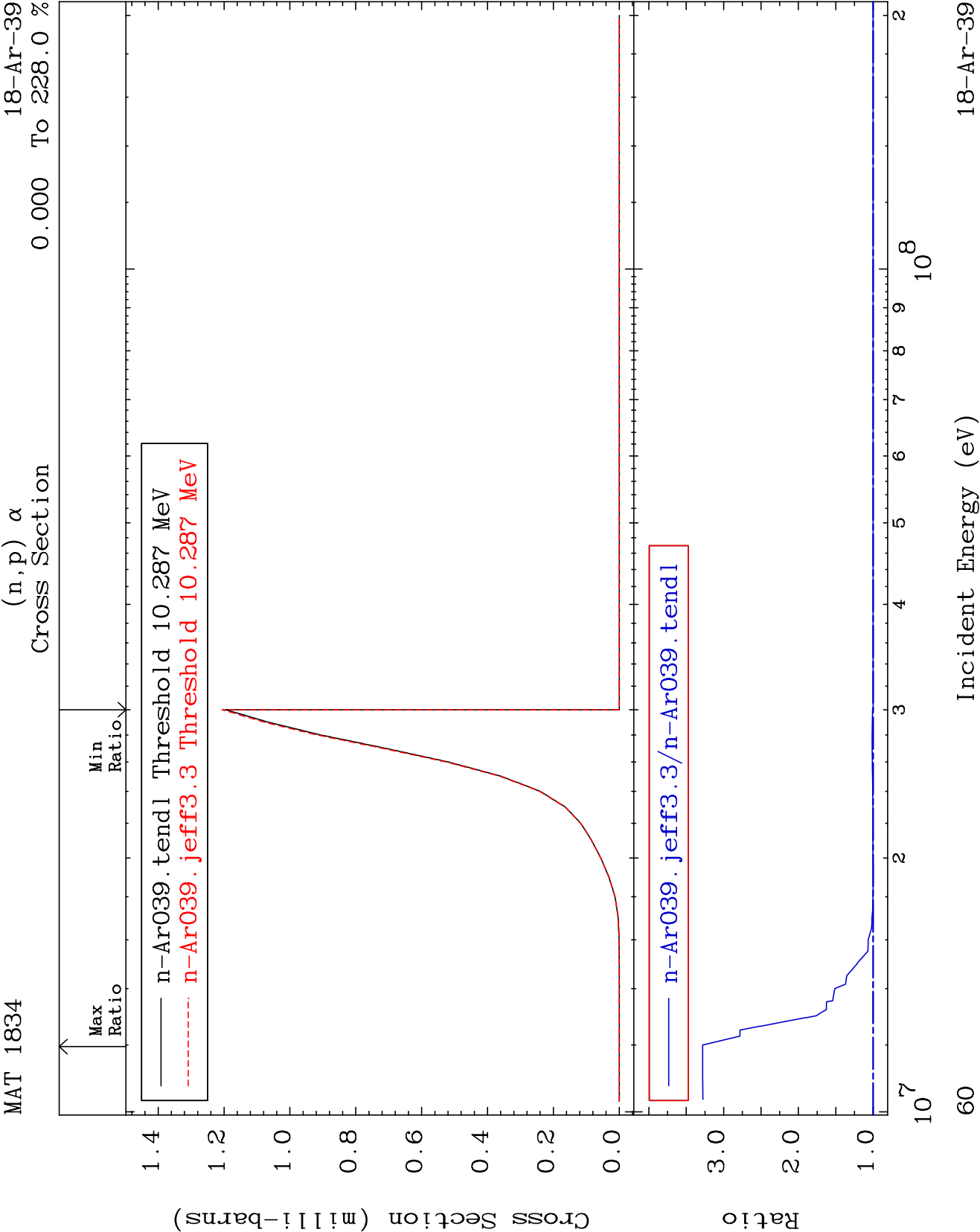
Incident Energy (eV)

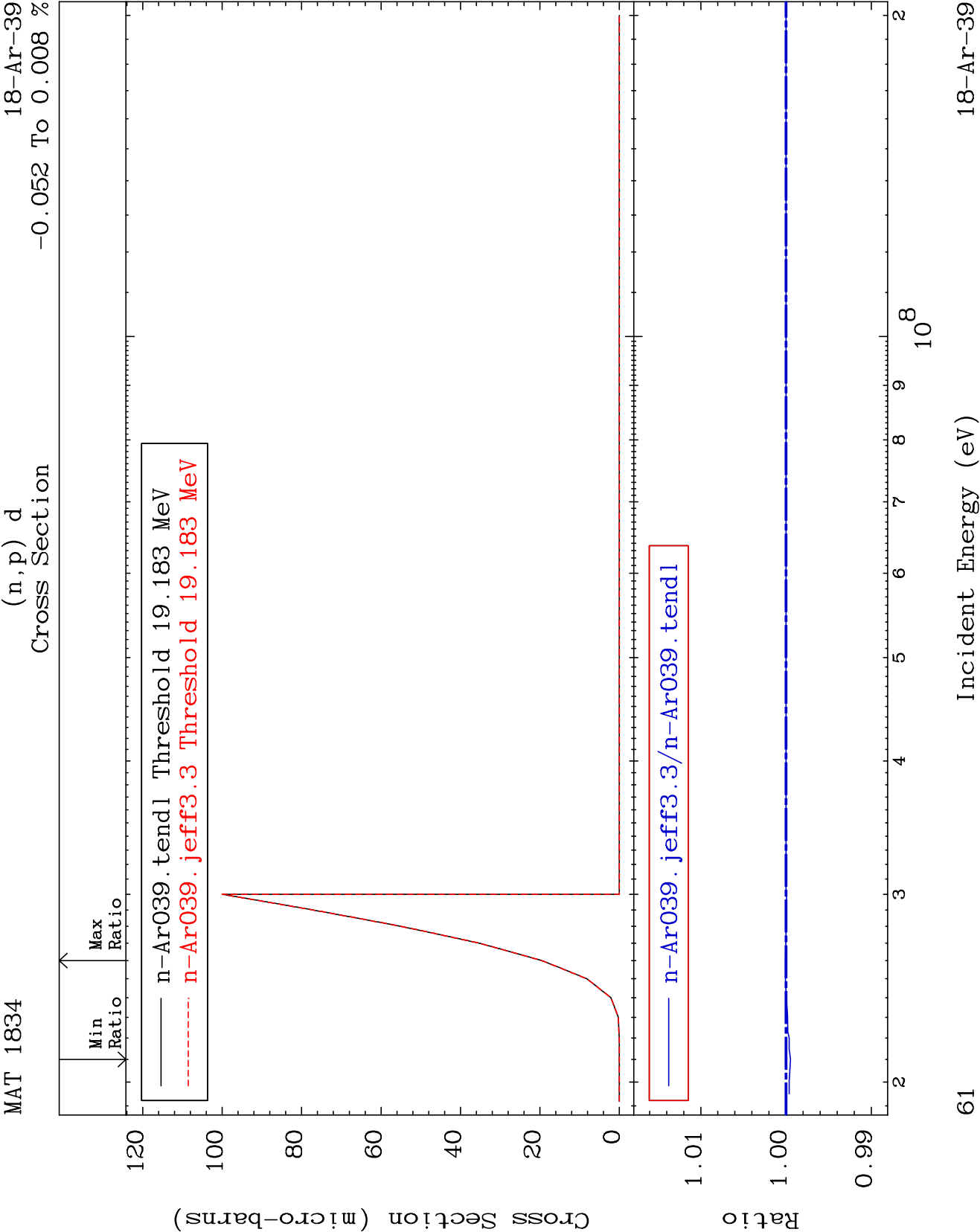
18-Ar-39

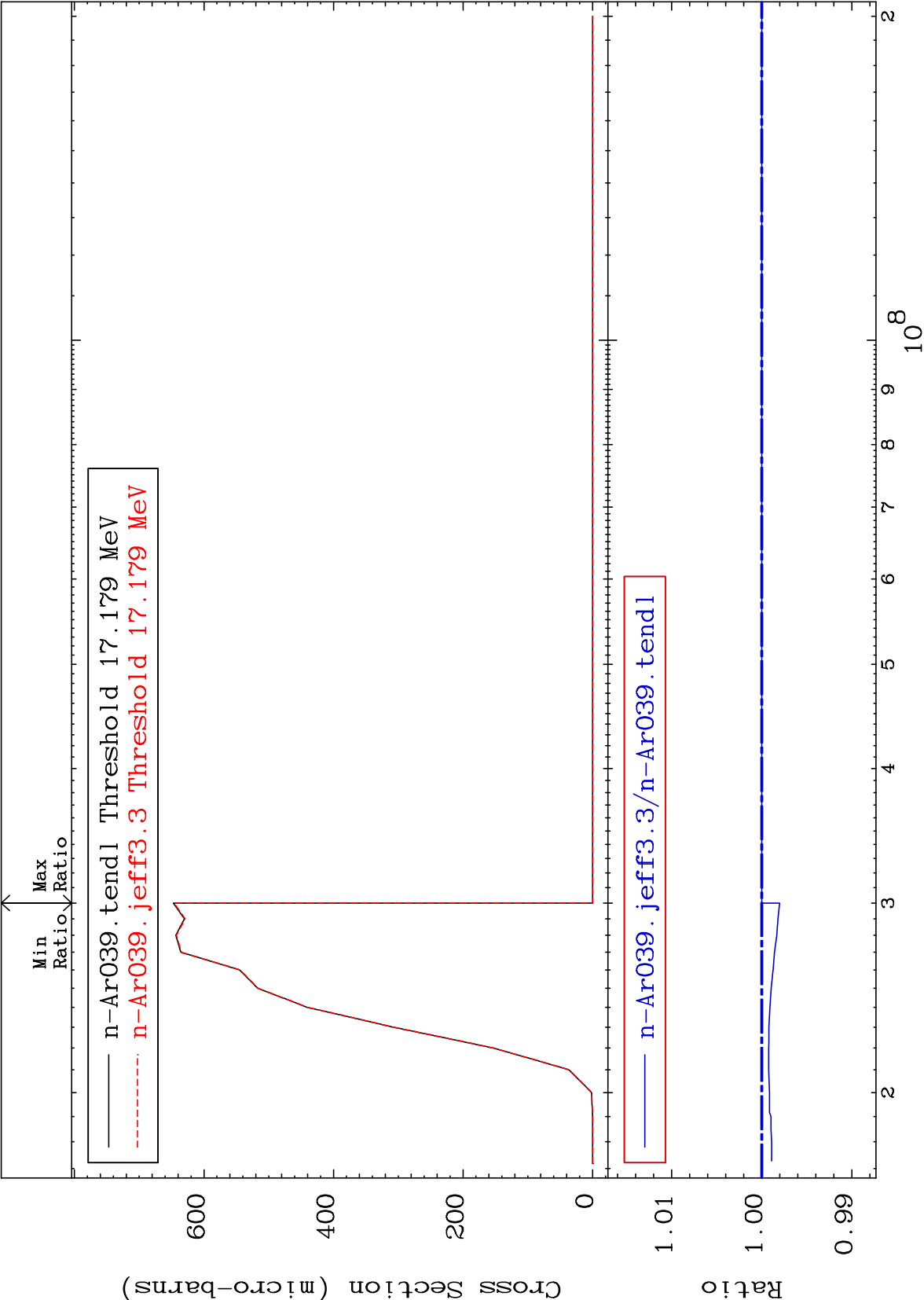
Cross Section

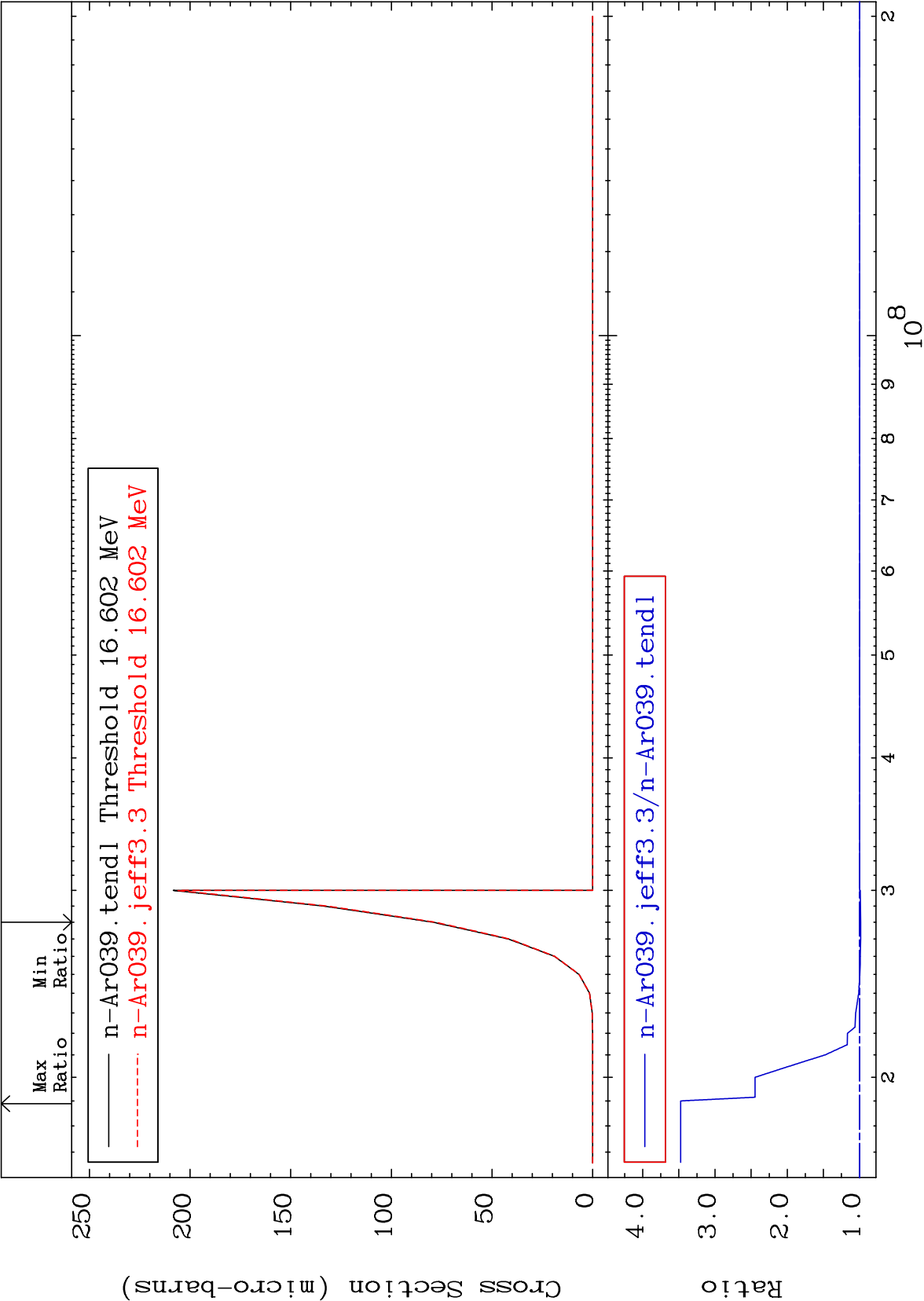
-0.254 To 0.132 %

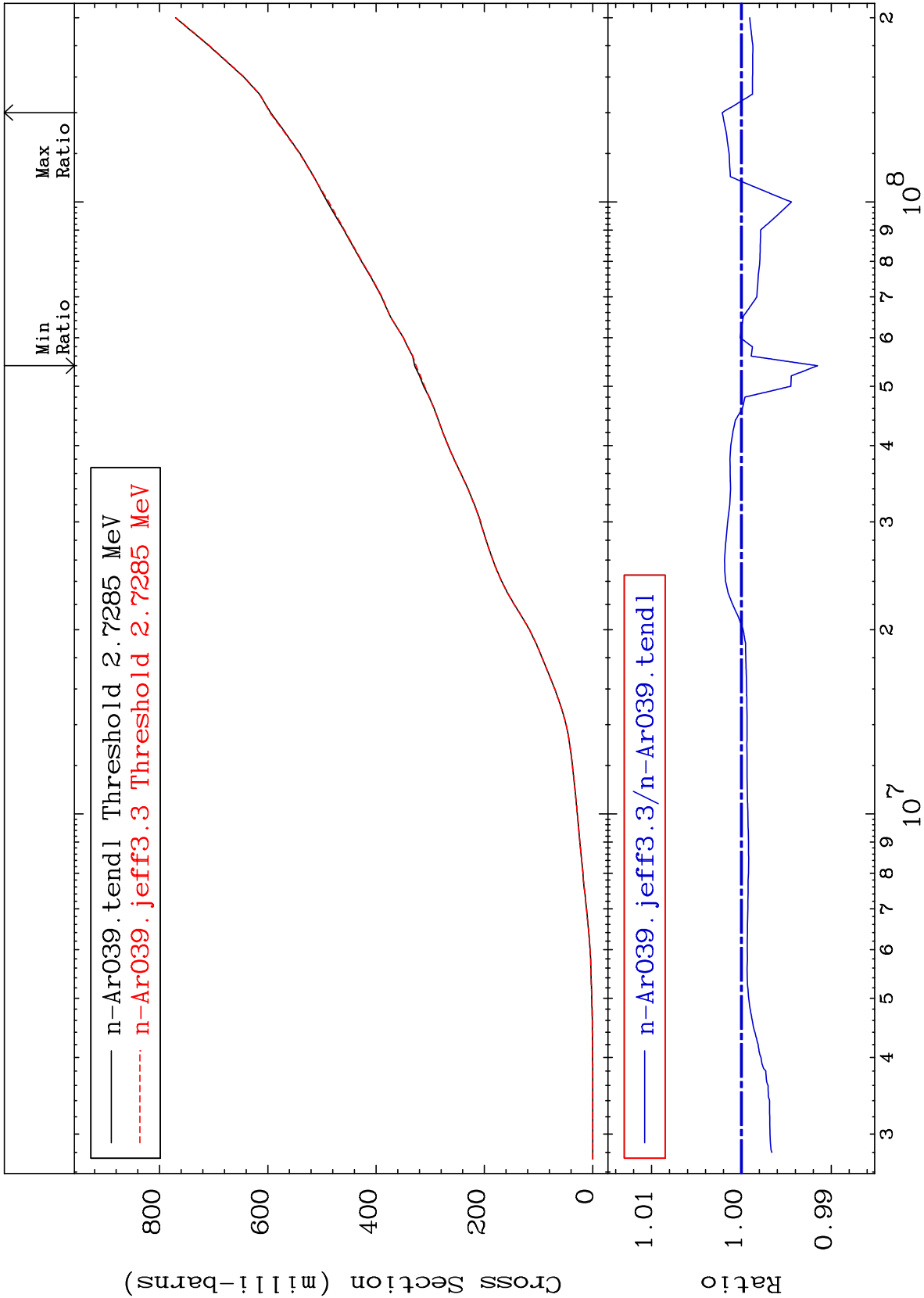








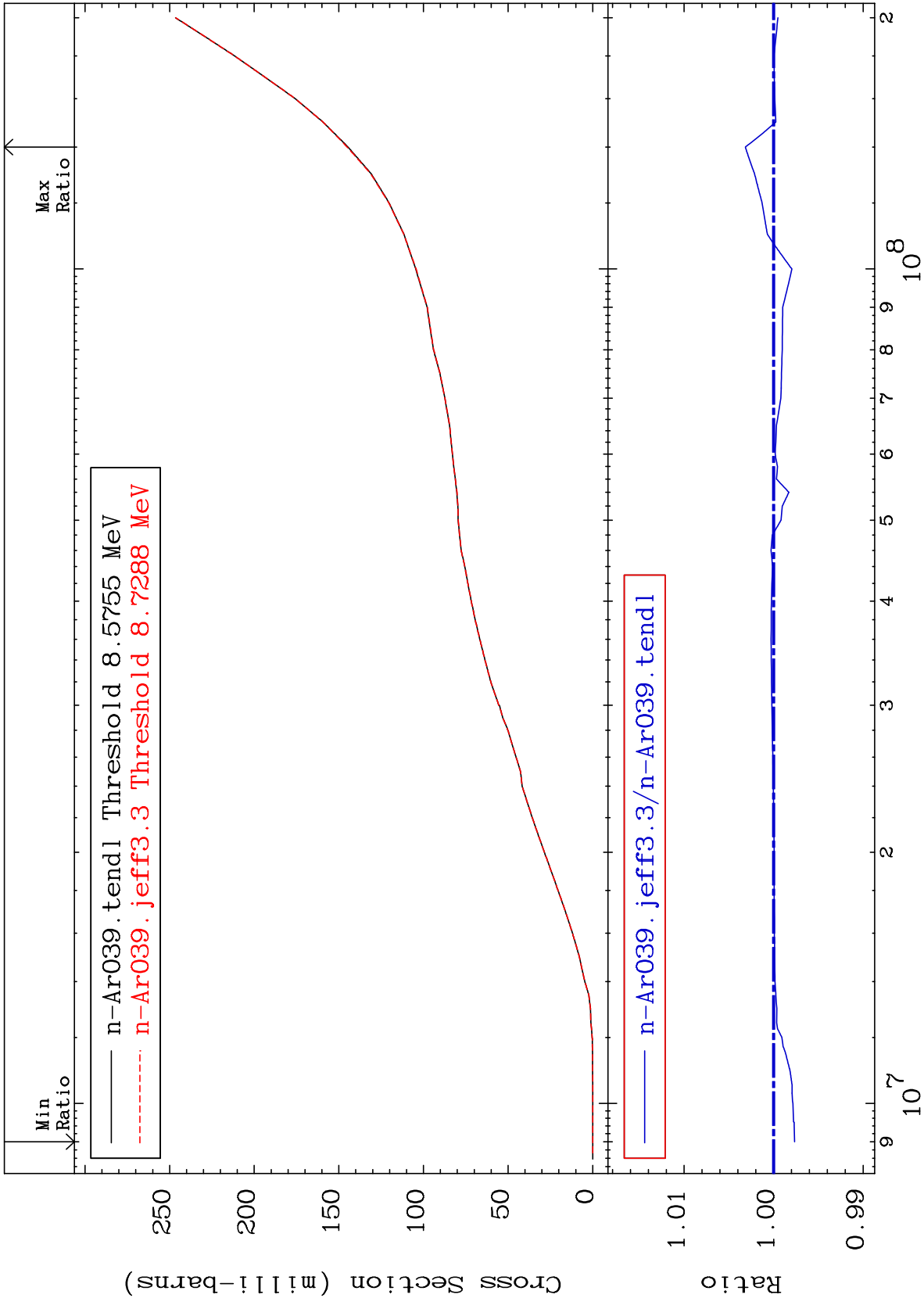




MAT 1834

Deuterium Production
Cross Section

18-Ar-39
-0.233 To 0.317 %



65

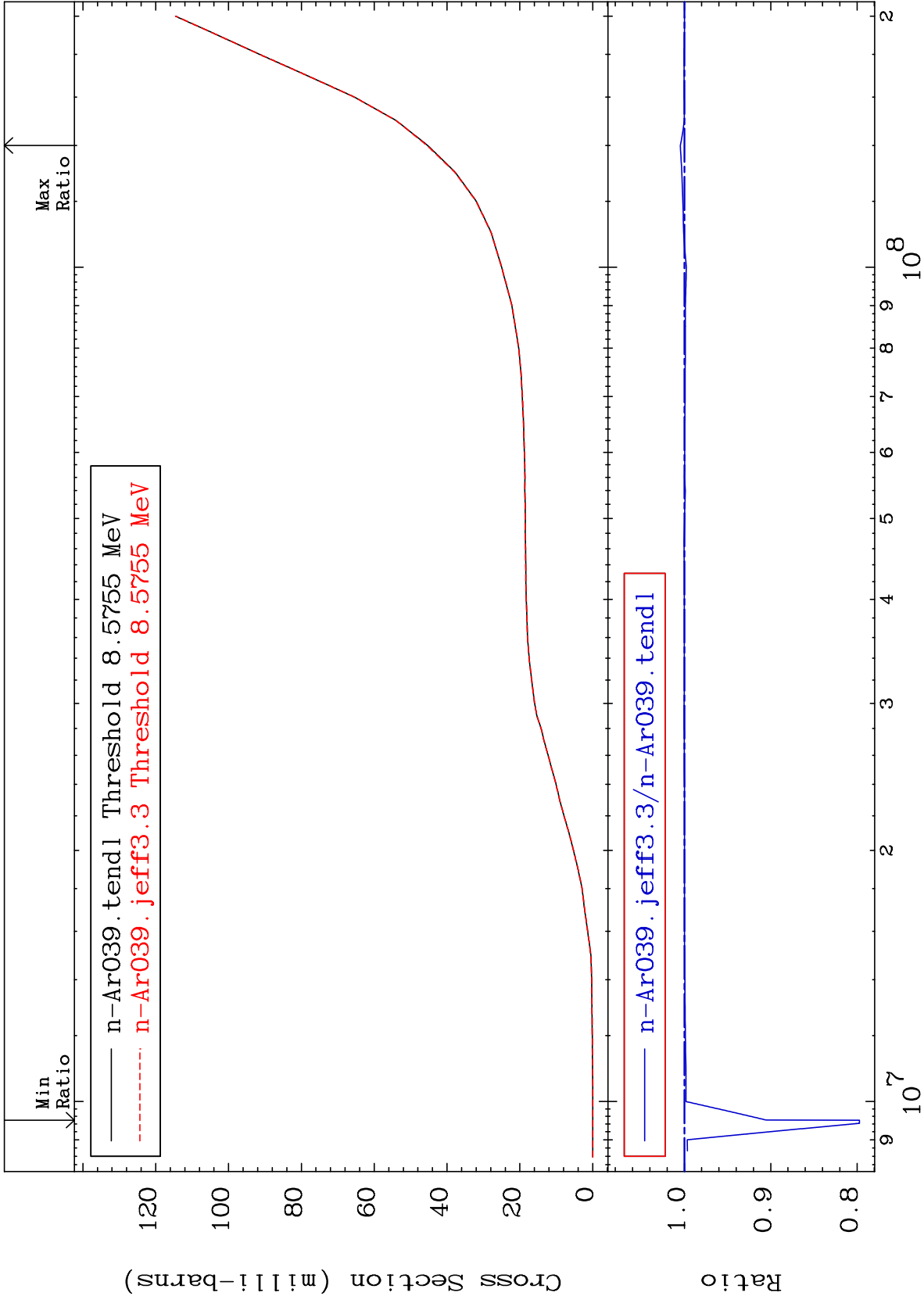
Incident Energy (eV)

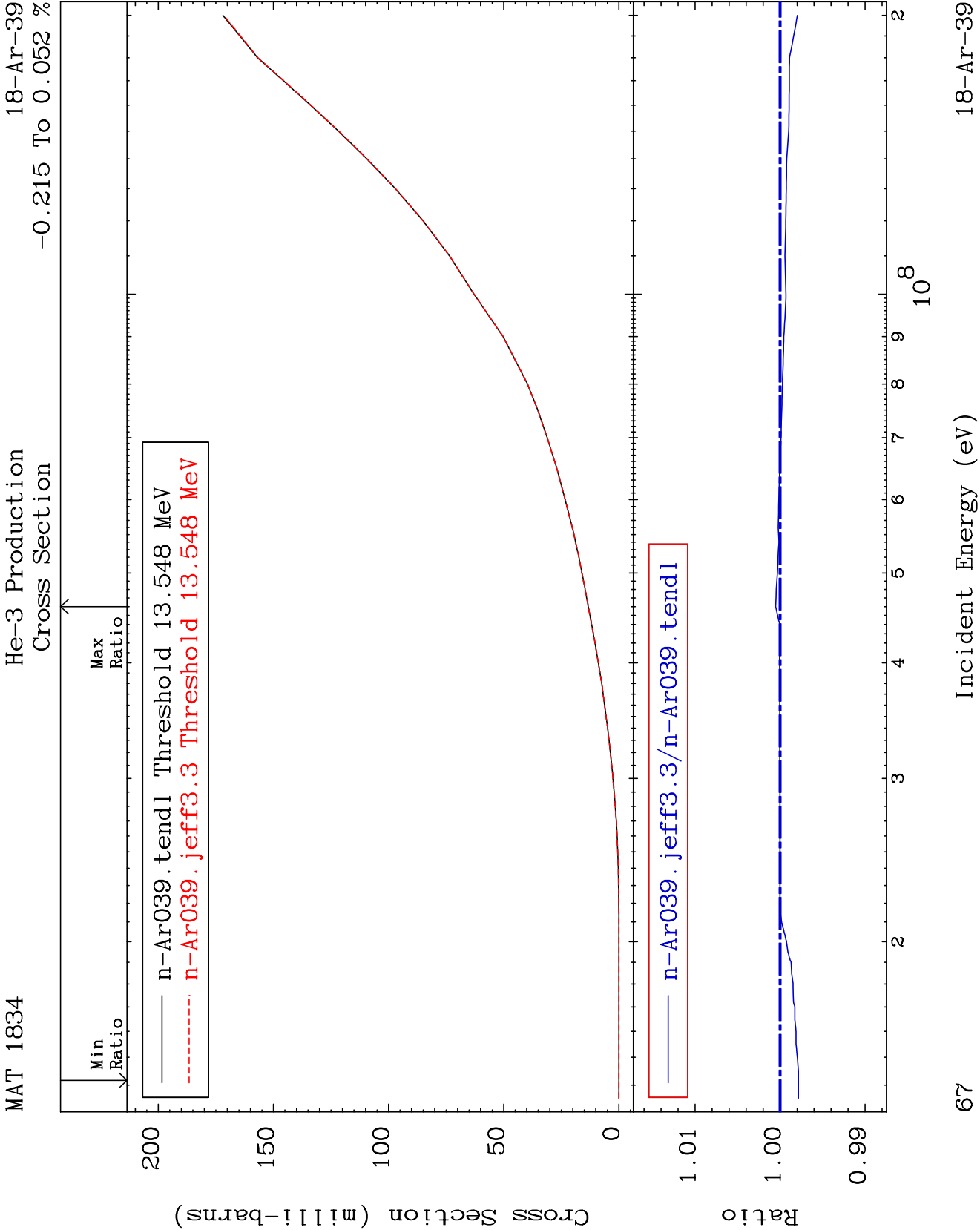
18-Ar-39

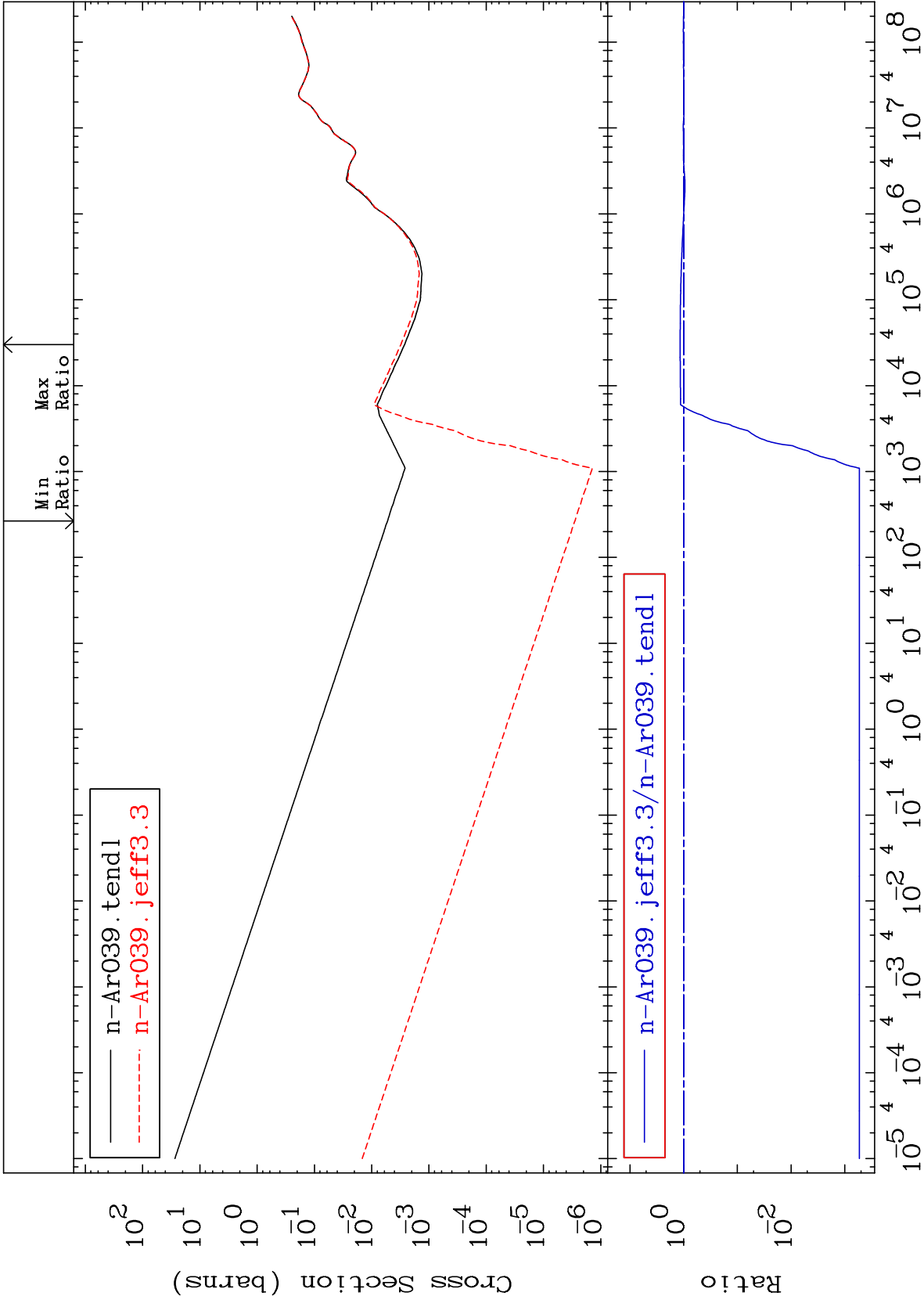
MAT 1834

Tritium Production
Cross Section

18-Ar-39
-20.27 To 0.469 %

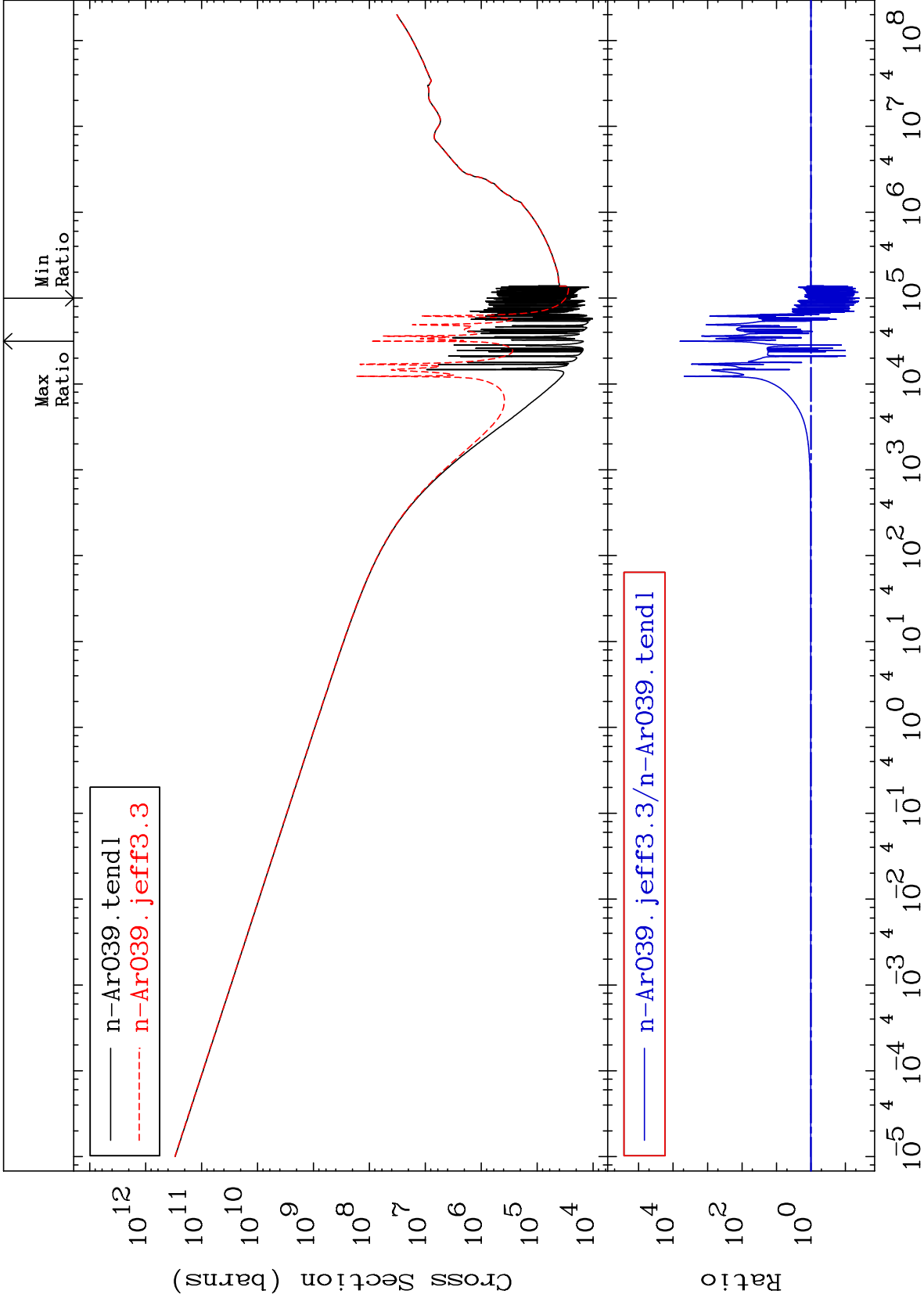


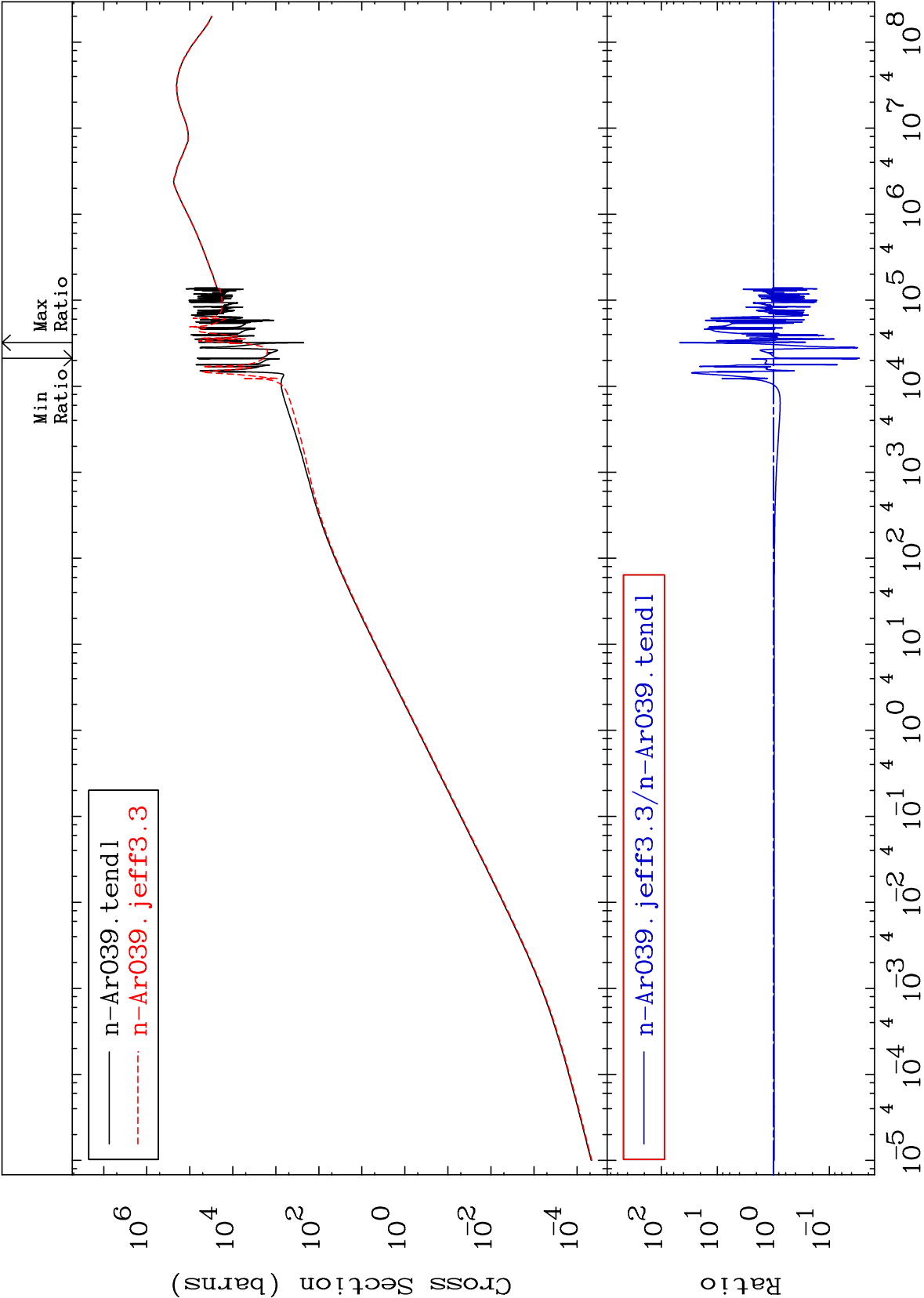




Cross Section

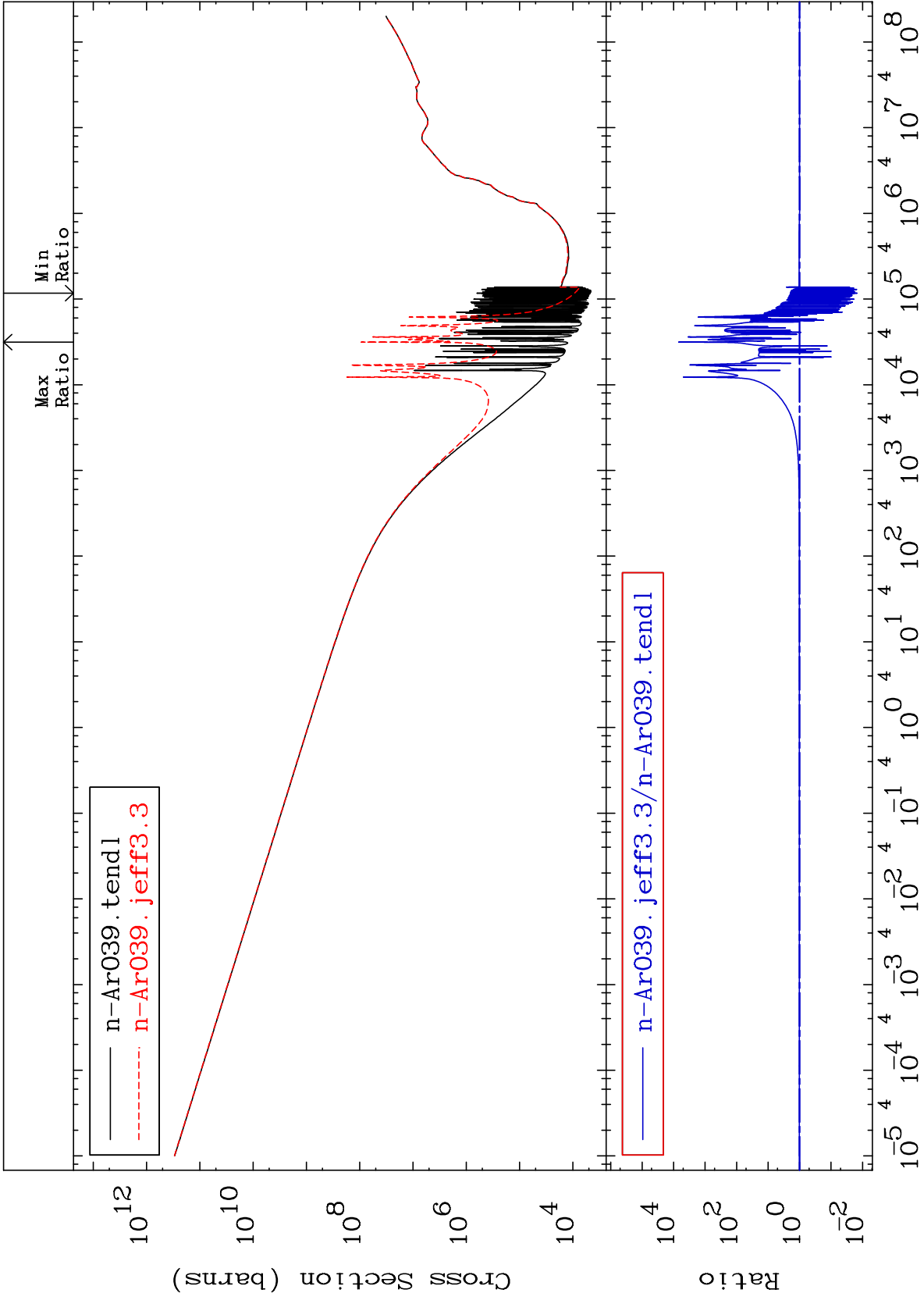
-96.06 To 9999. %

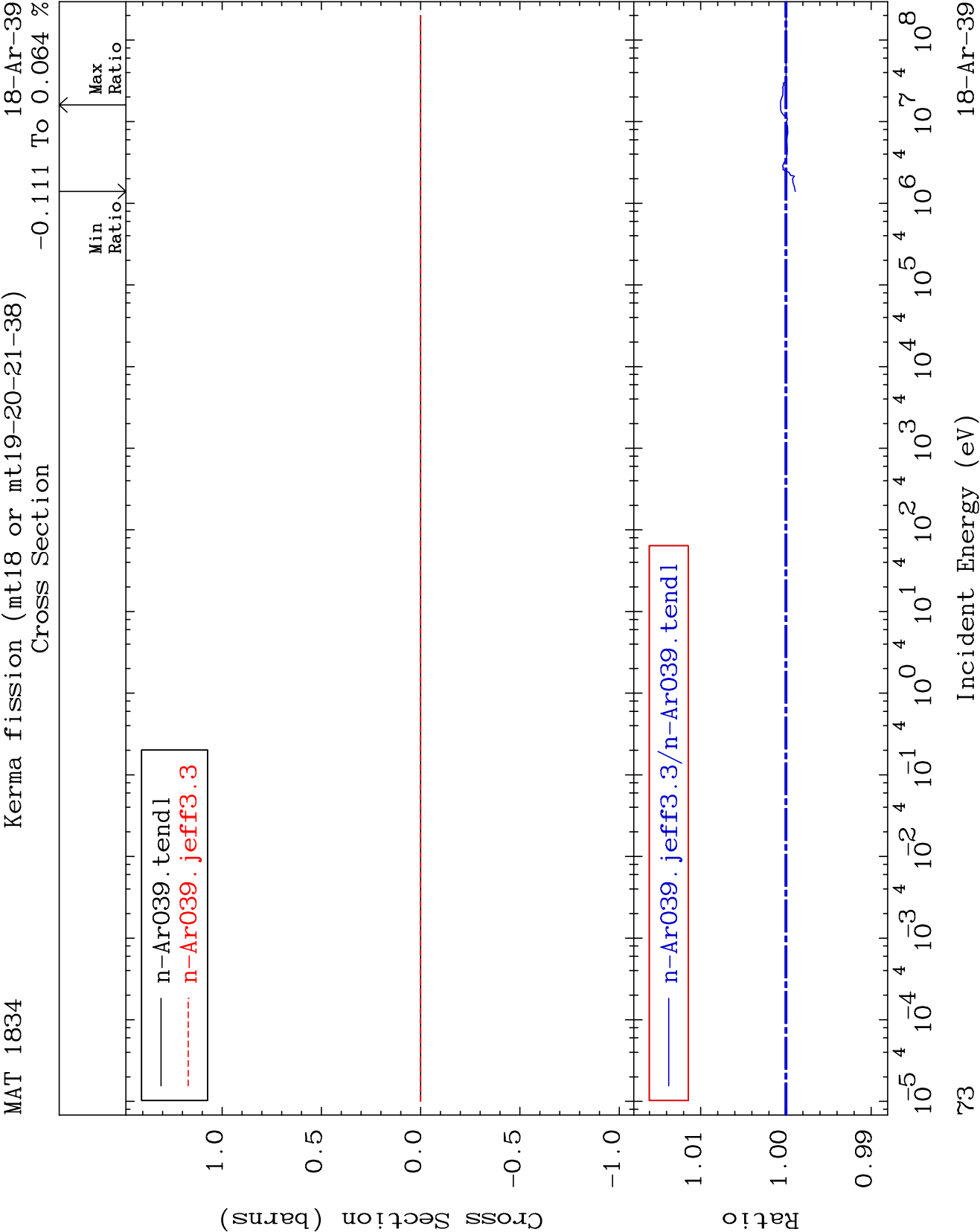




Cross Section

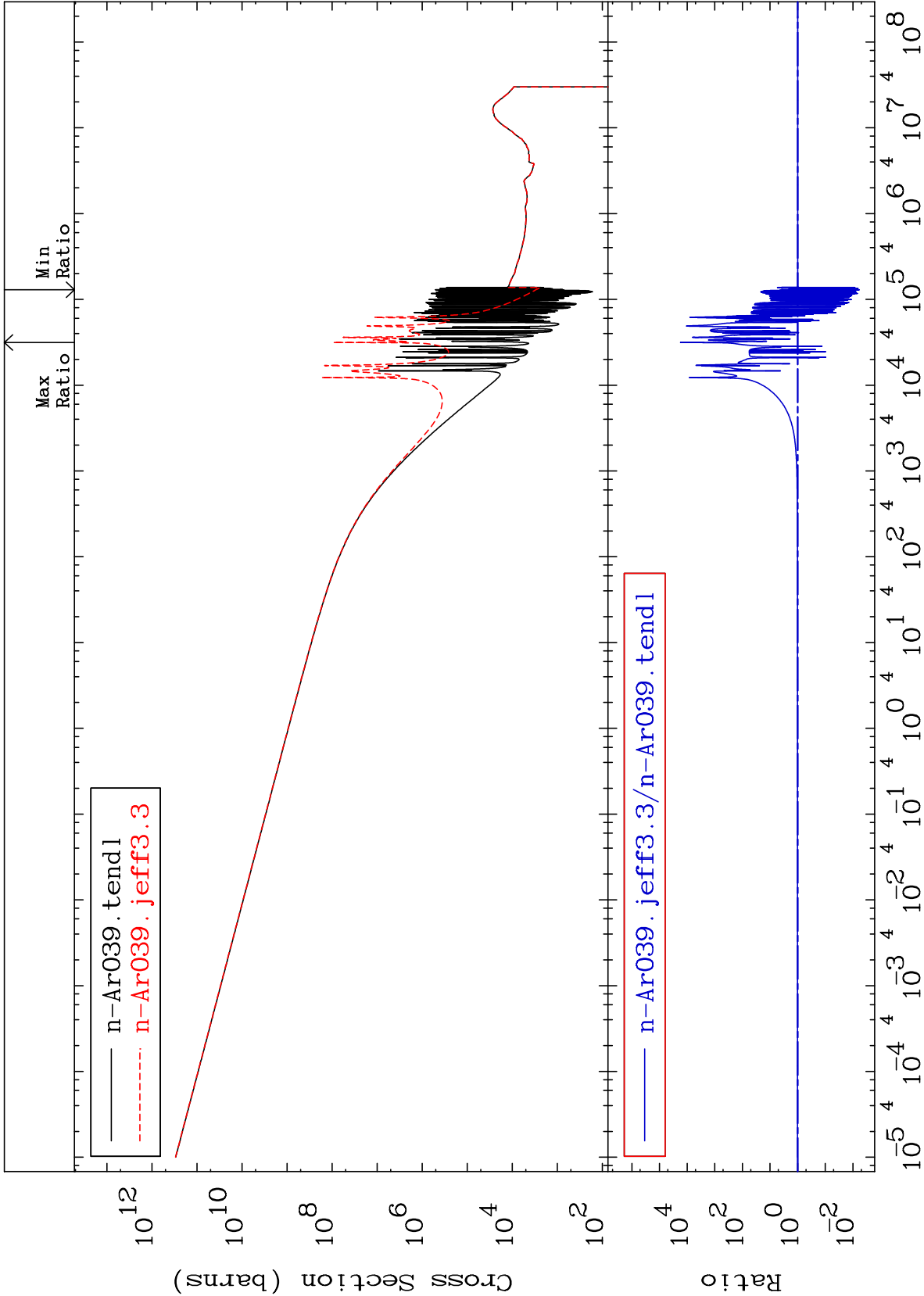
-98.52 To 9999. %





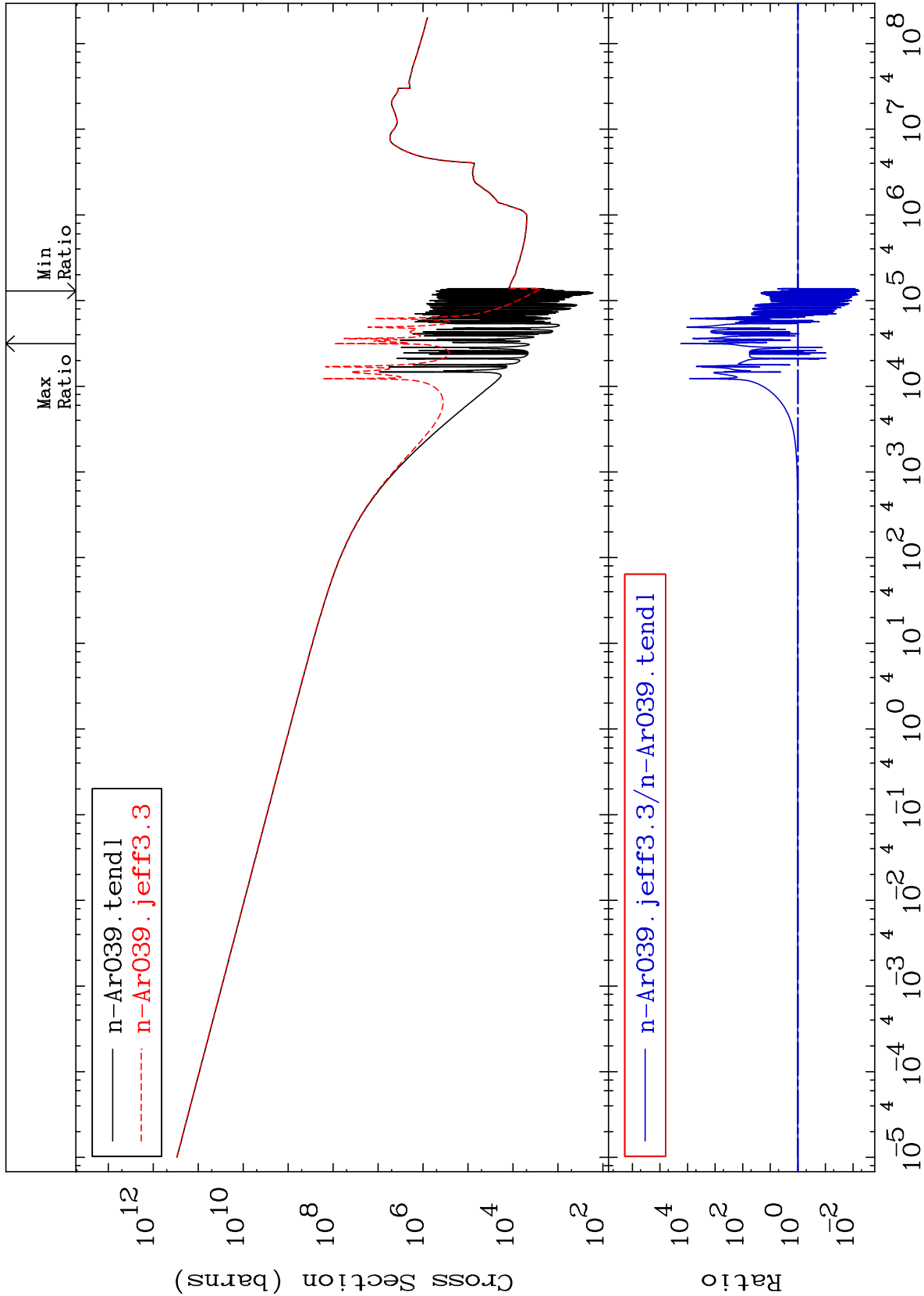
Cross Section

-99.42 To 9999. %



Cross Section

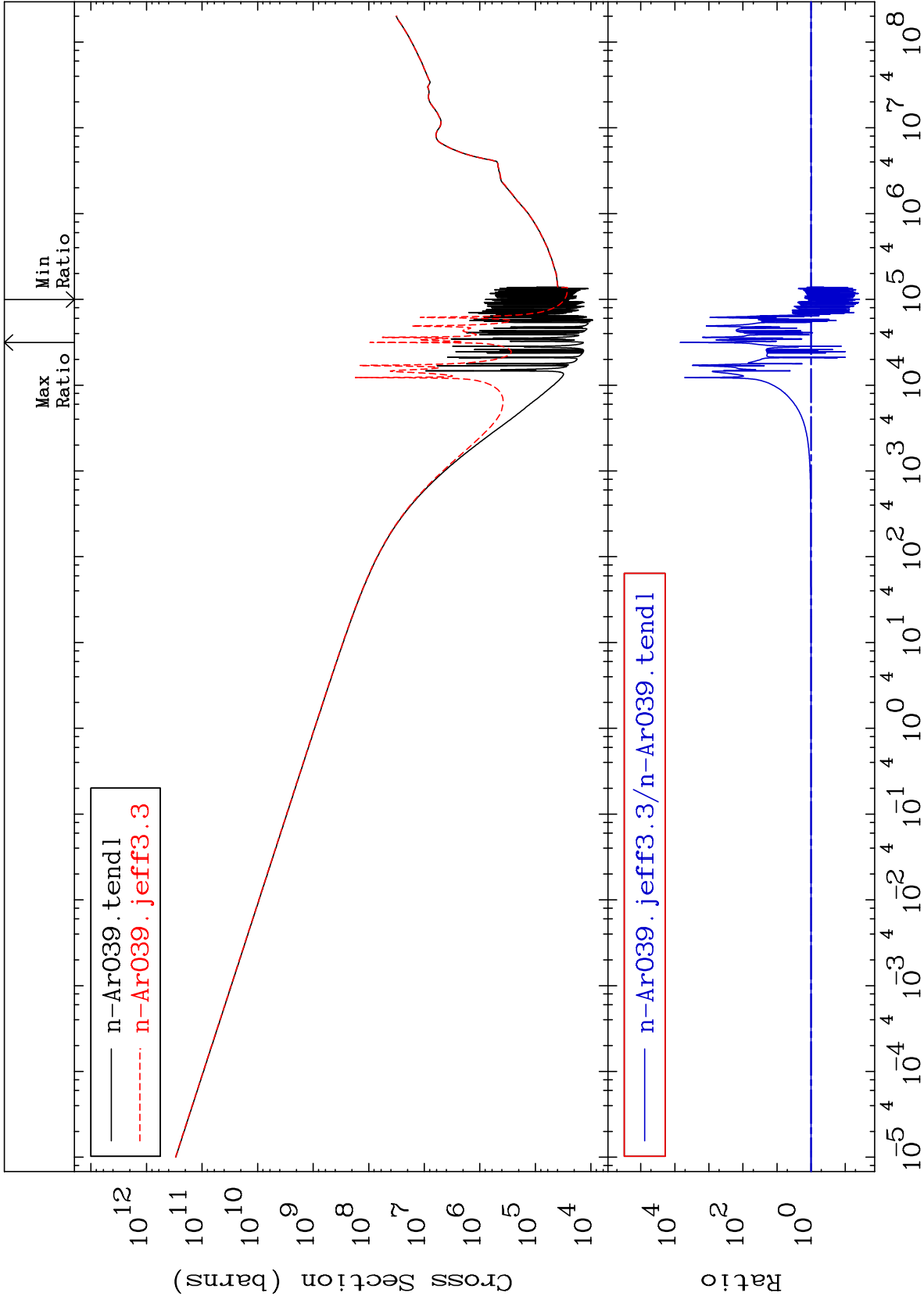
-99.42 To 9999. %



Incident Energy (eV)

Cross Section

-96.18 To 9999. %



Incident Energy (eV)

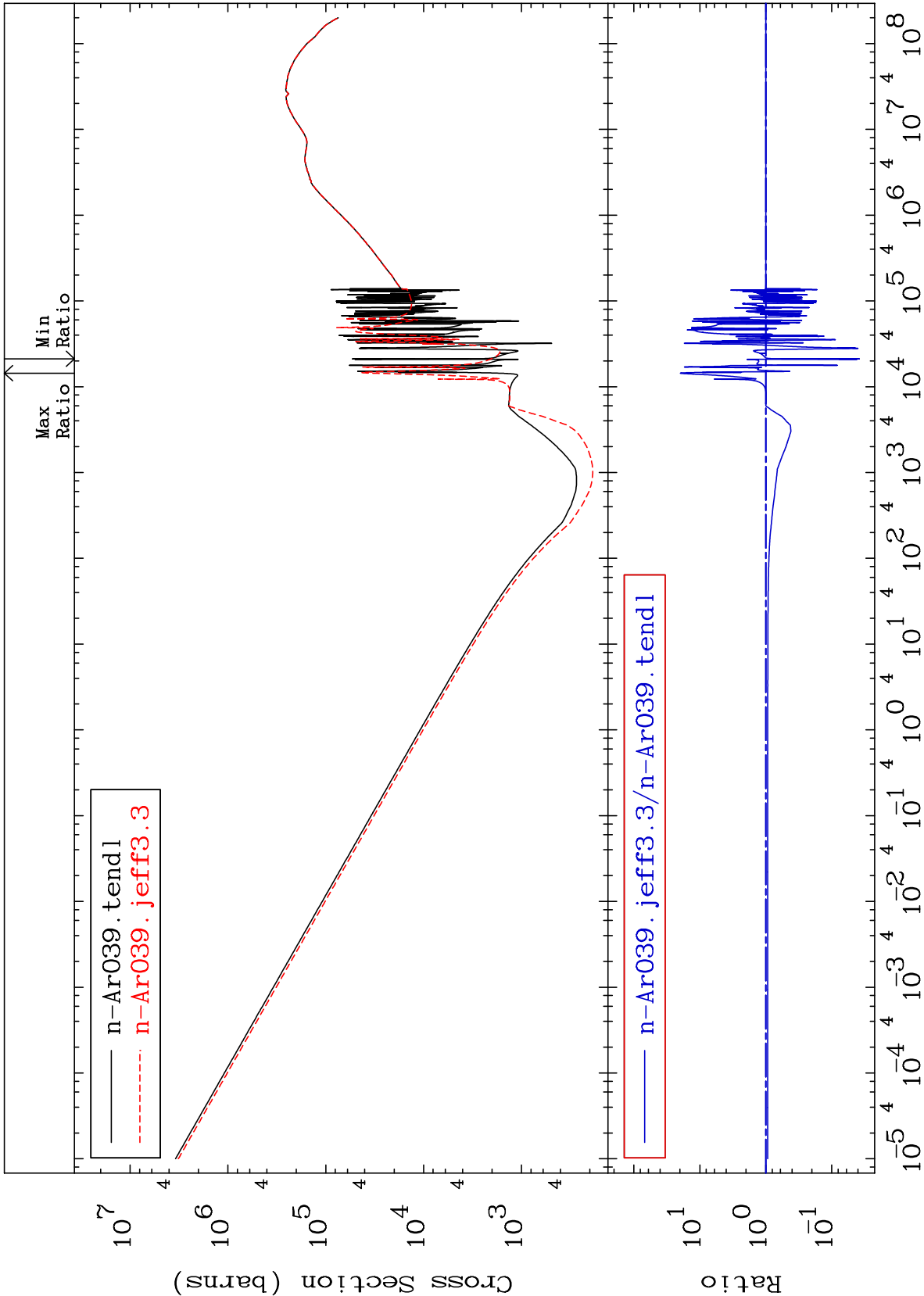
MAT 1834

Dpa total (eV-barns)

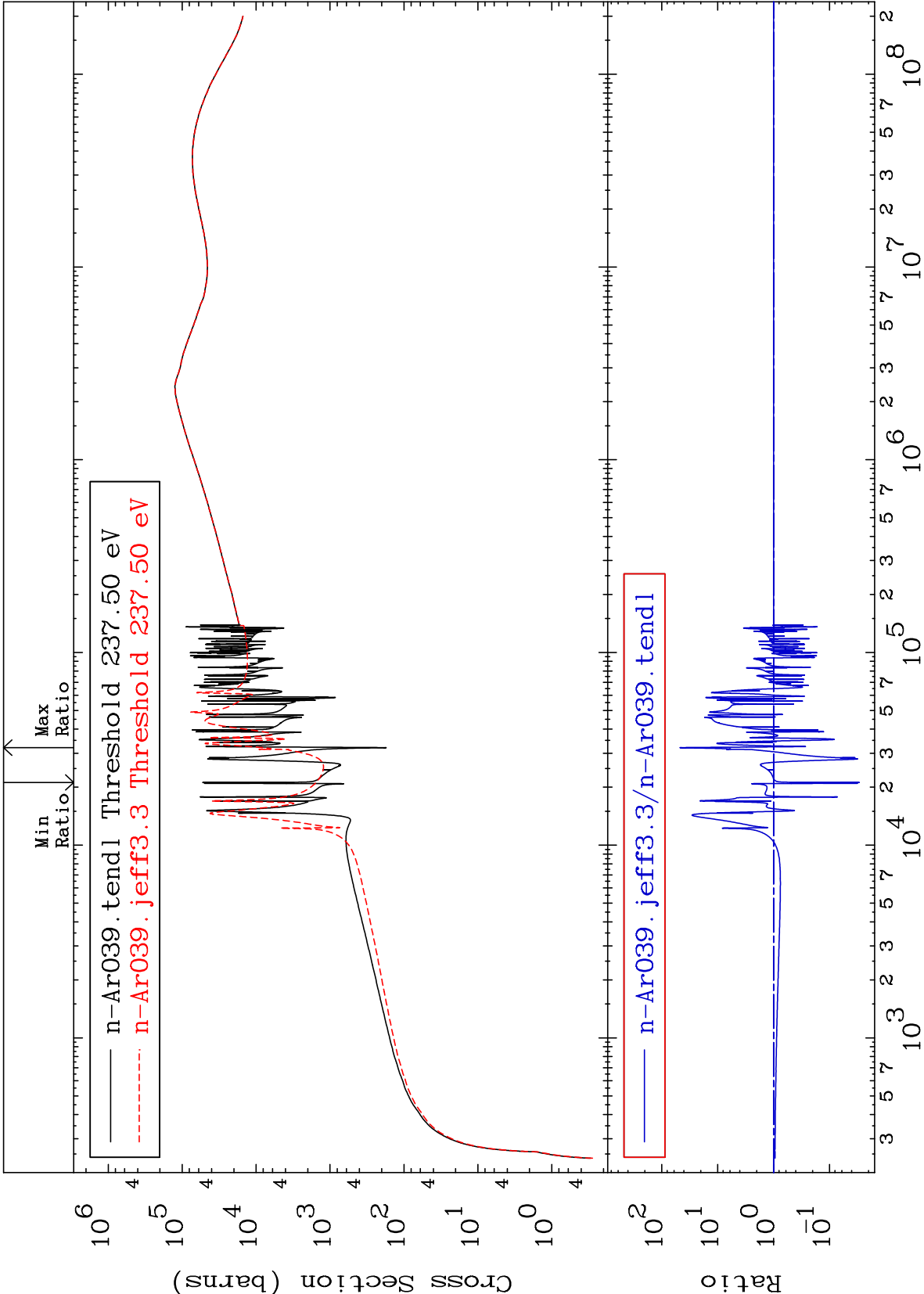
18-Ar-39

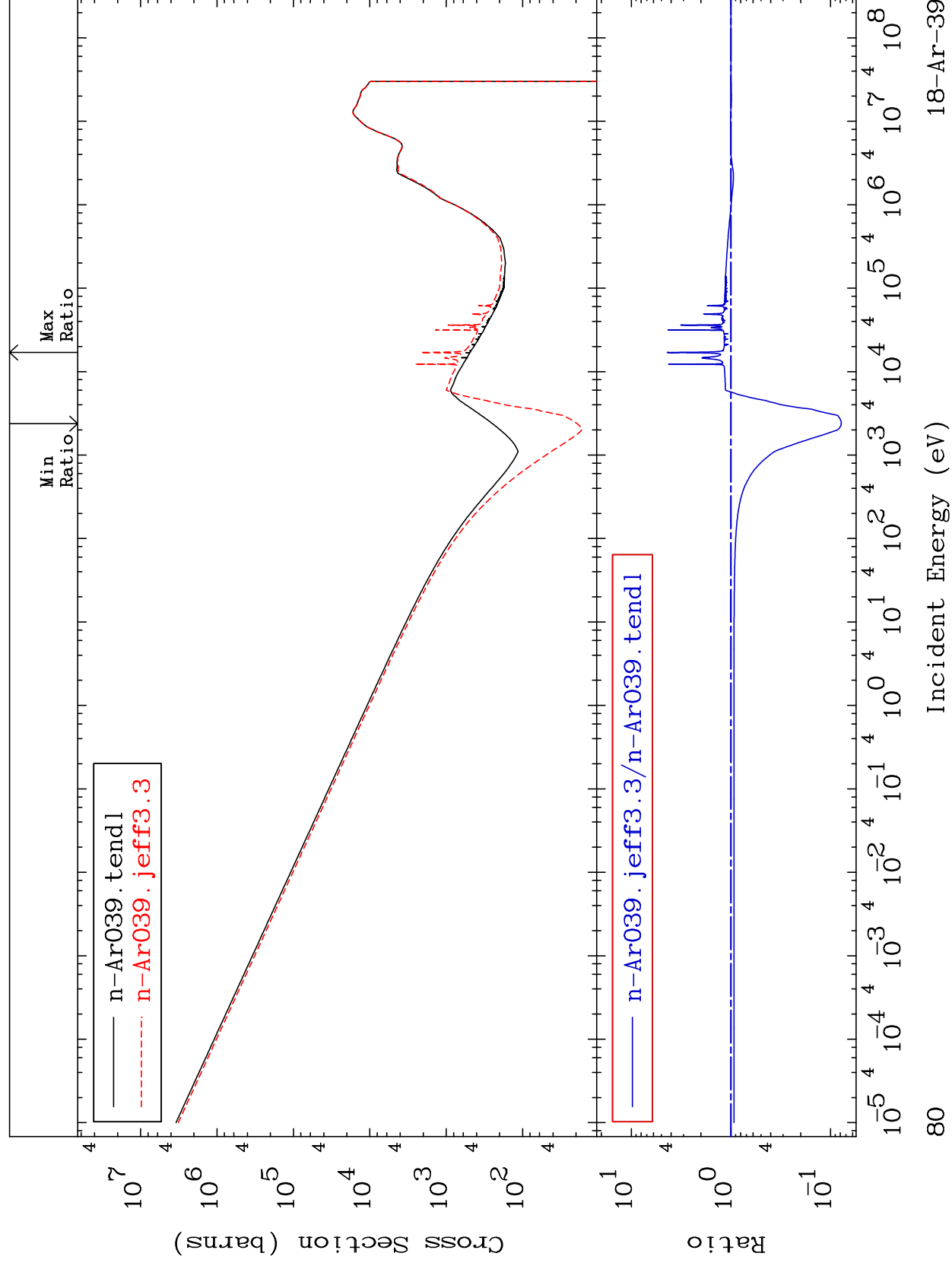
Cross Section

-96.19 To 1874. %



77





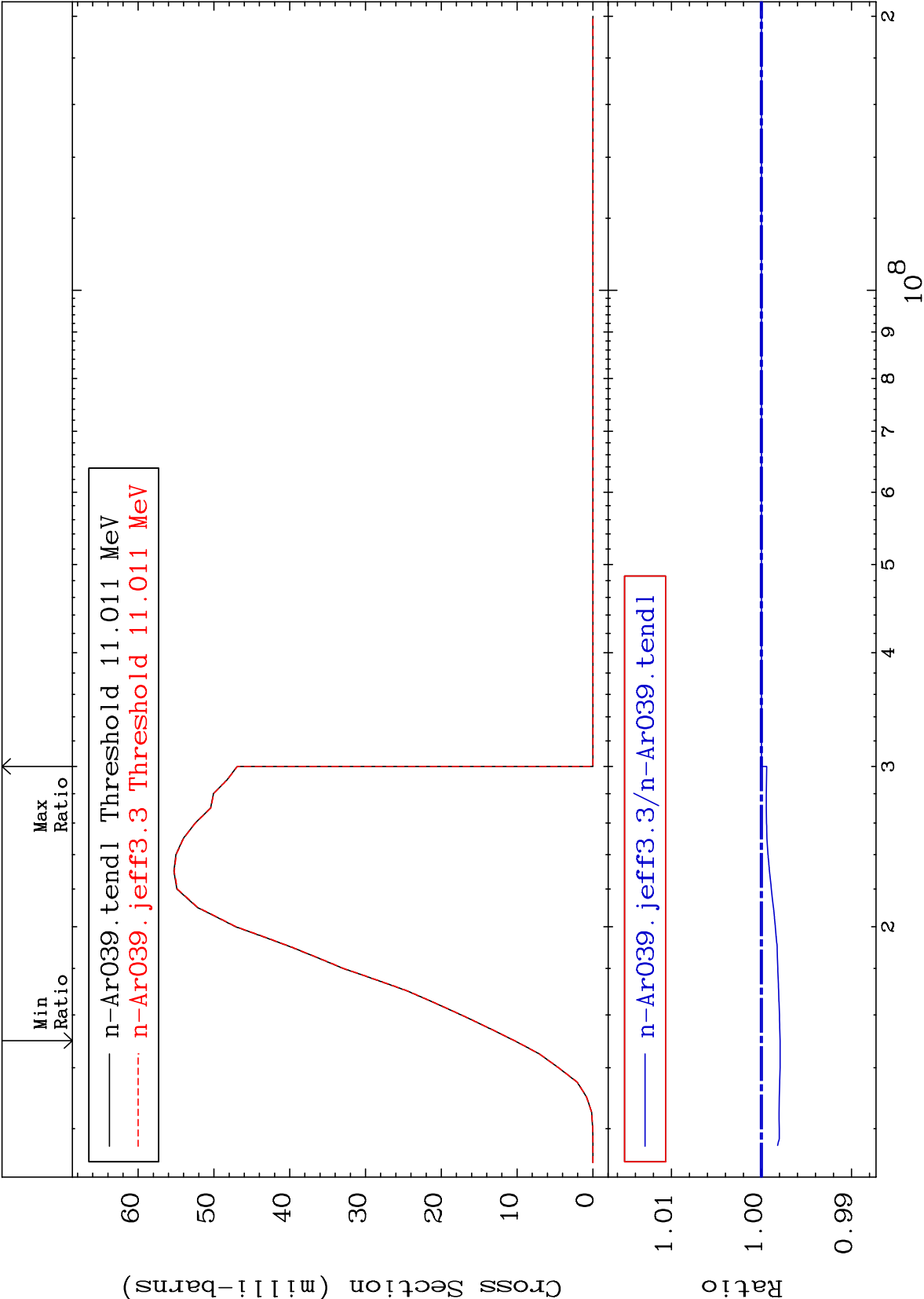
MAT 1834

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

18-Ar-39

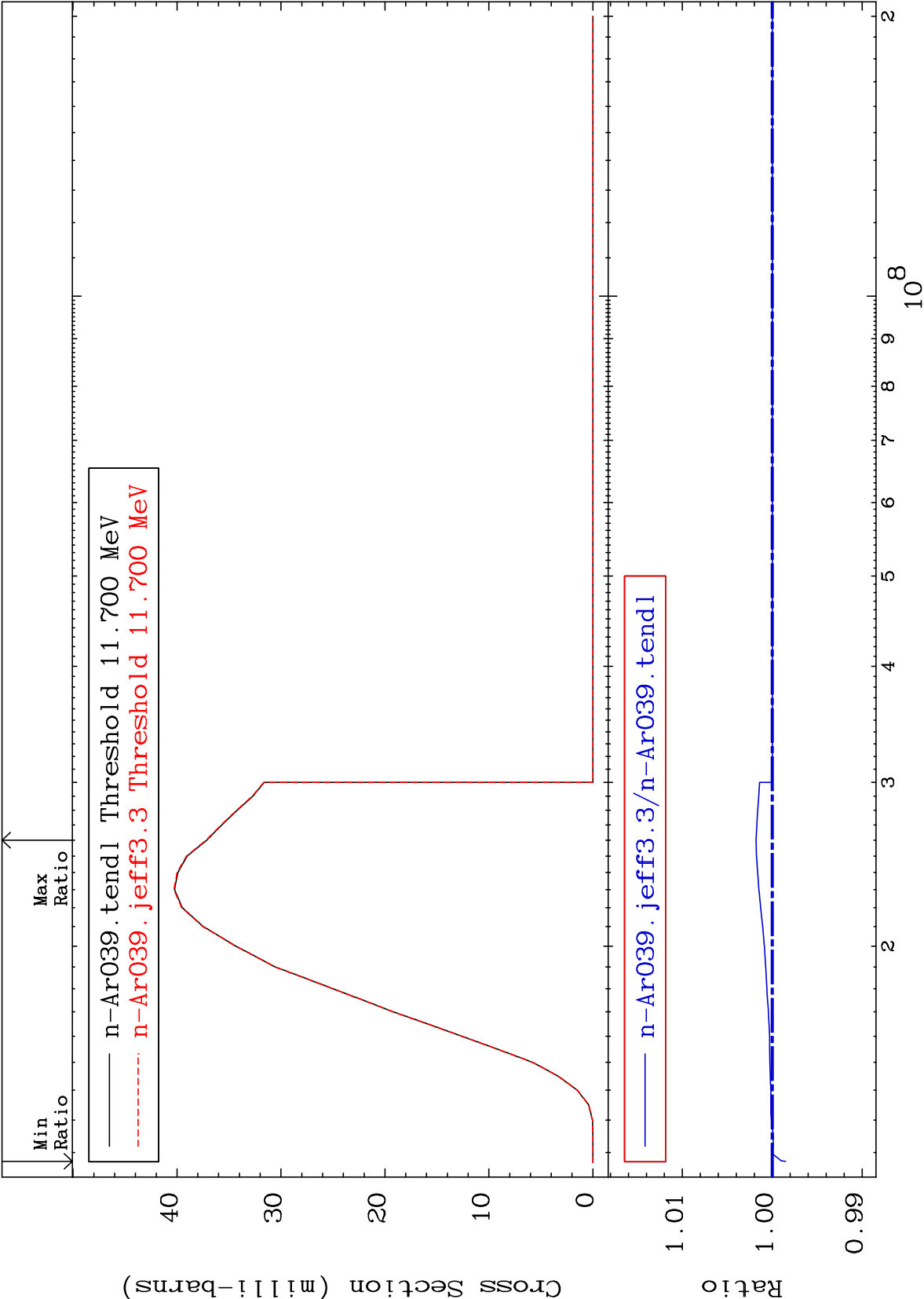
Radionuclide Production Cross Section

-0.209 To 0.000 %



Radionuclide Production Cross Section

-0.147 To 0.180 %



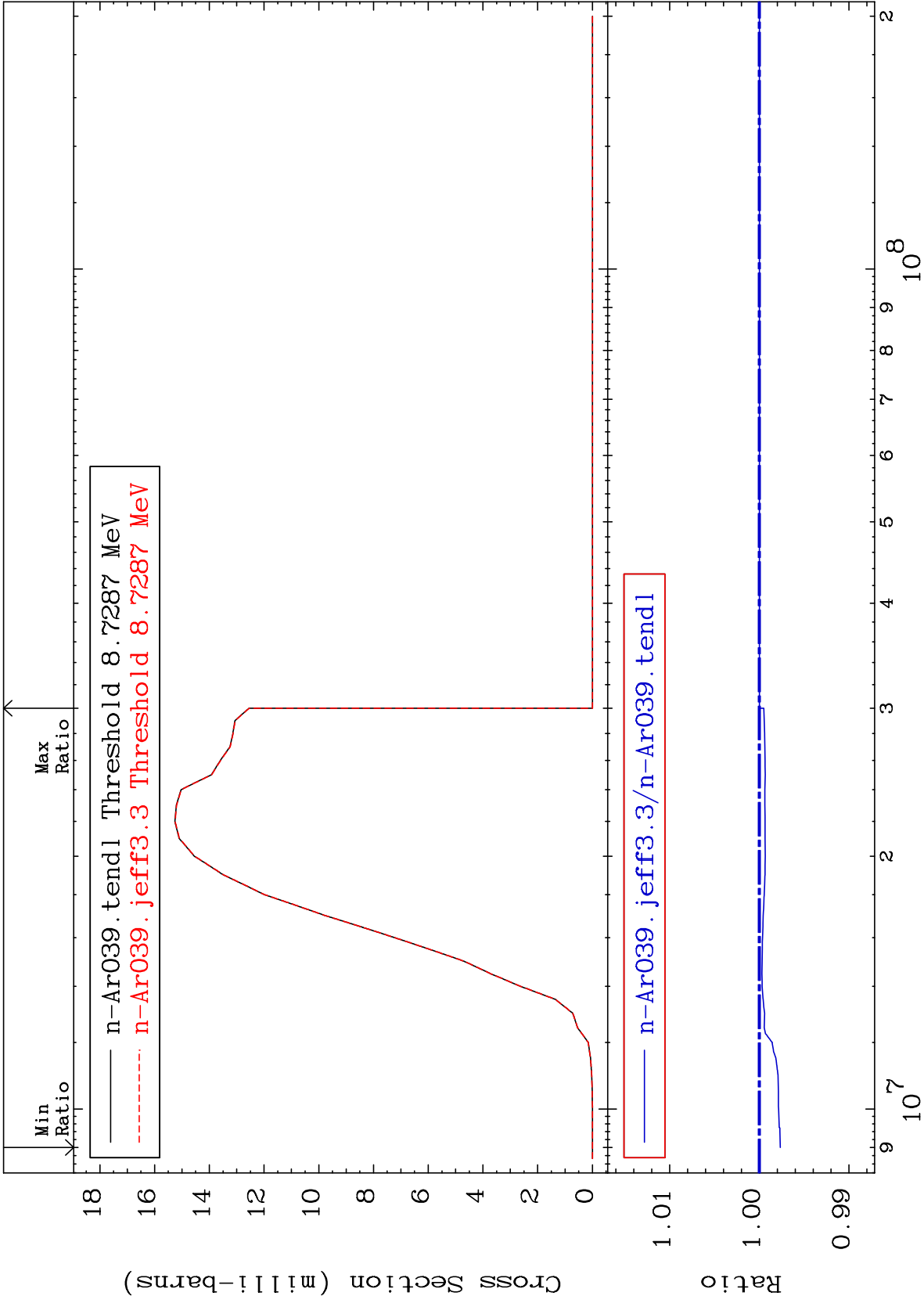
MAT 1834

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

18-Ar-39

Radionuclide Production Cross Section

-0.233 To 0.000 %



MAT 1834

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

18-Ar-39

Radionuclide Production Cross Section -0.079 To 0.134 %

