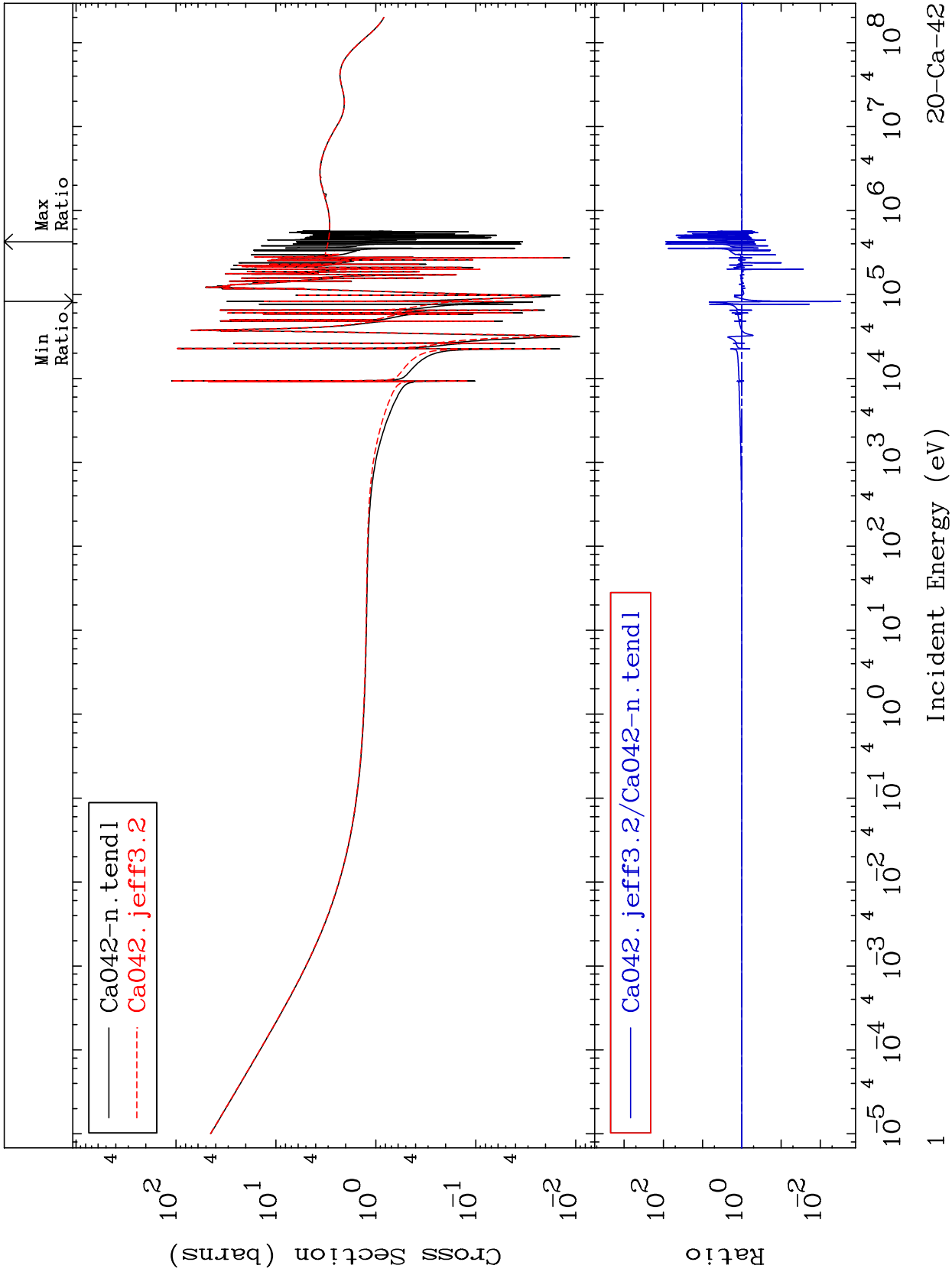


MAT 2031

Total
Cross Section

20-Ca-42
-99.70 To 8716. %



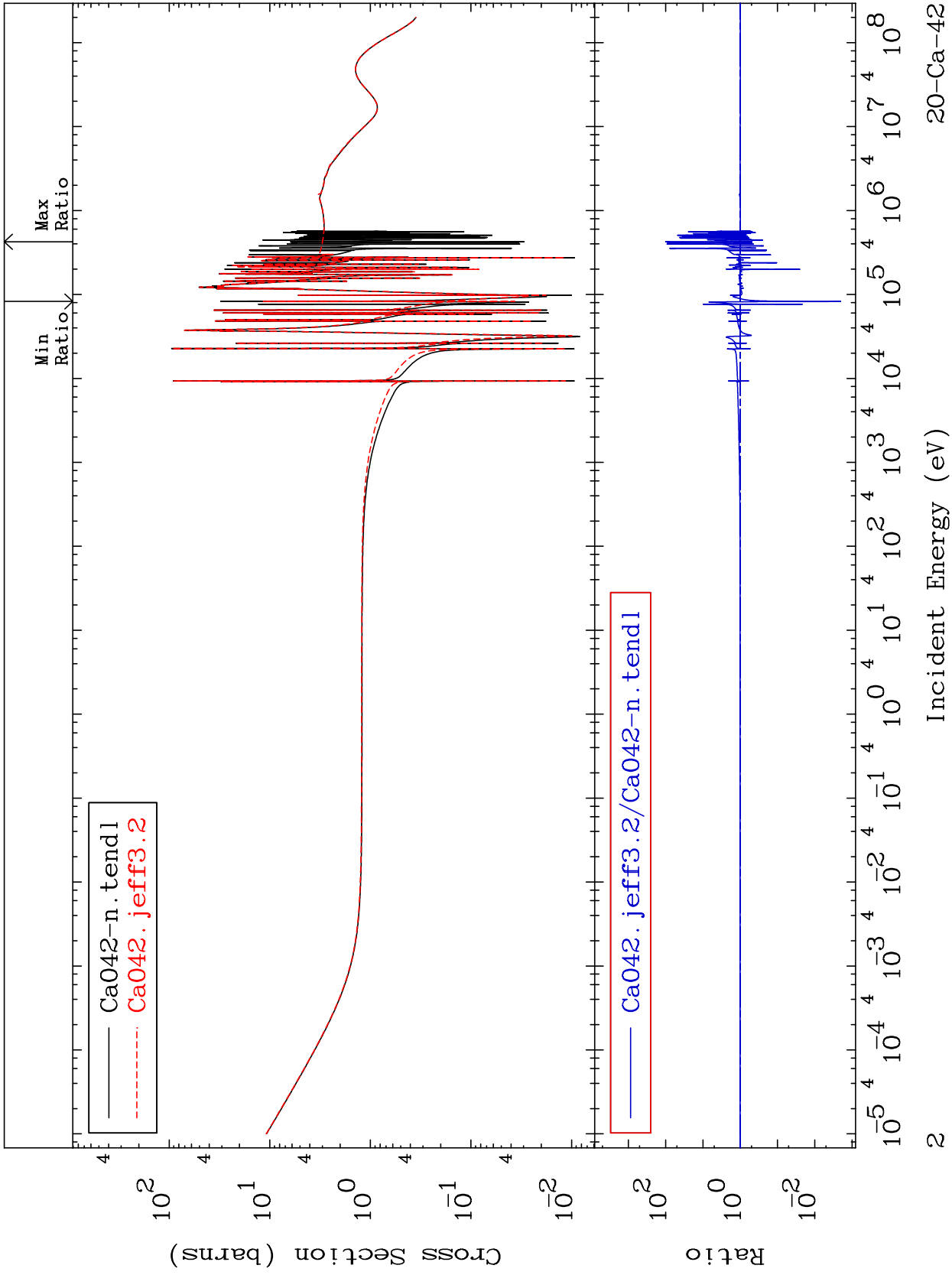
Incident Energy (eV)

20-Ca-42

MAT 2031

Elastic
Cross Section

20-Ca-42
-99.80 To 9999. %



2

Incident Energy (eV)

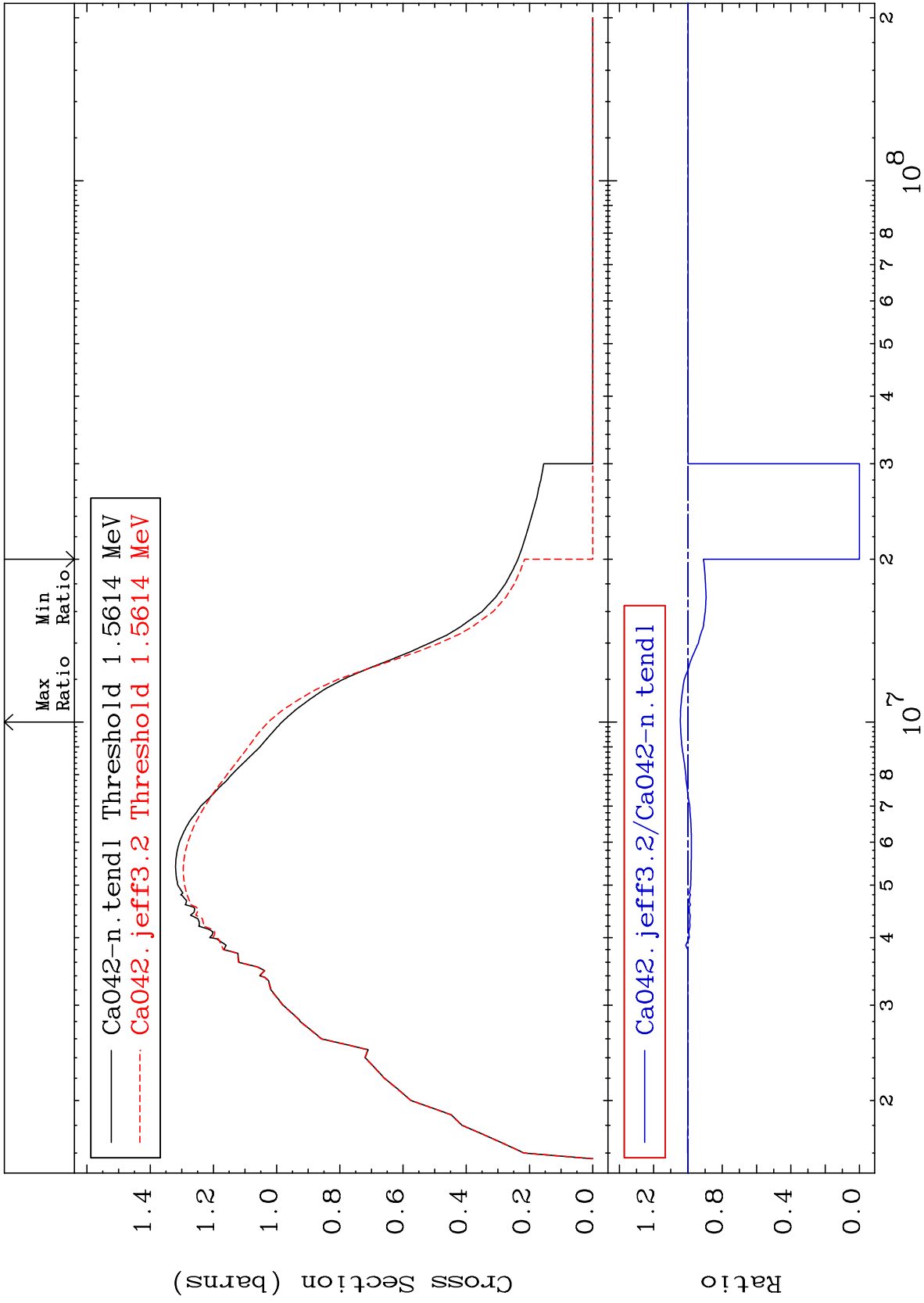
20-Ca-42

MAT 2031

20-Ca-42

Inelastic
Cross Section

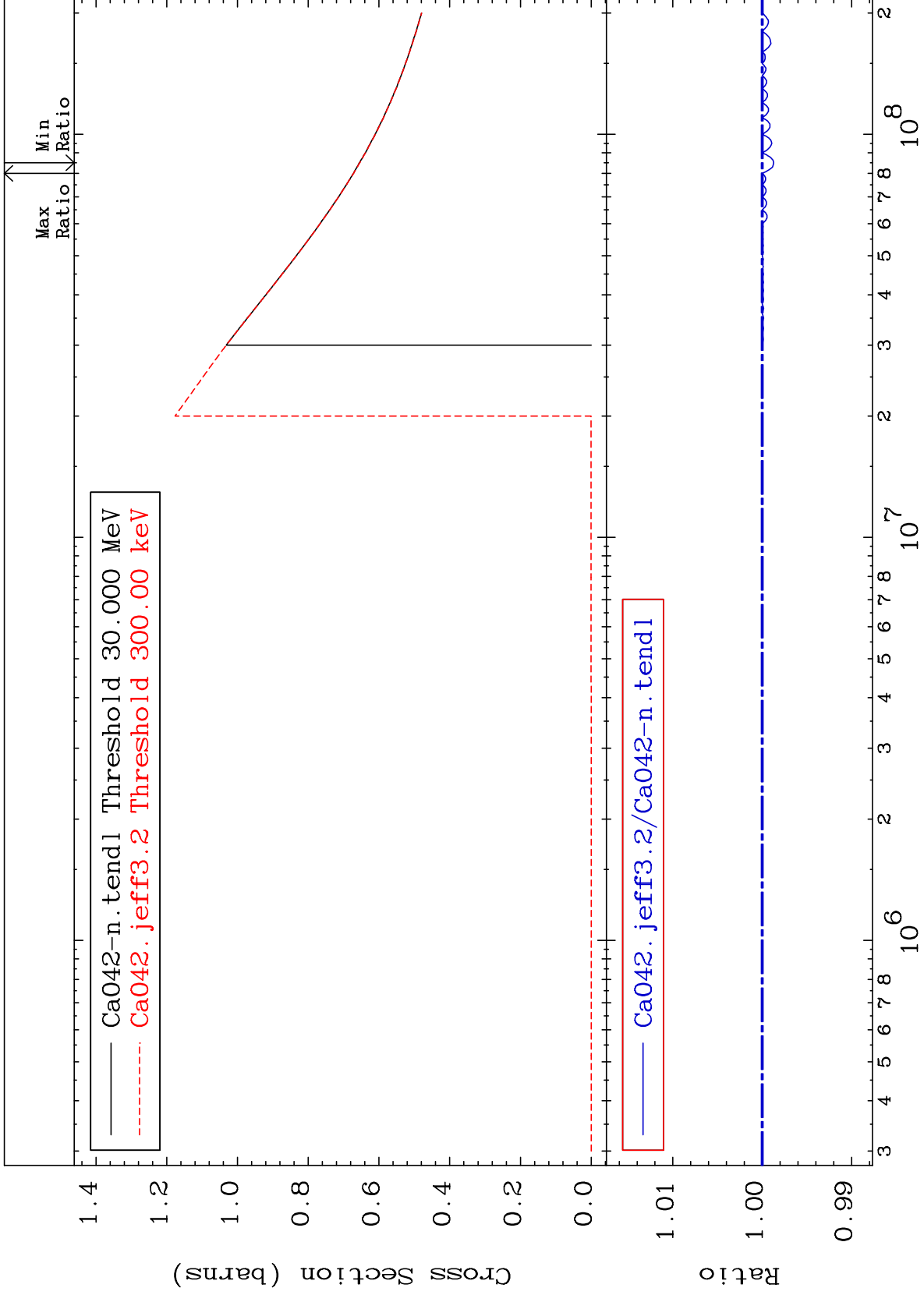
-100.0 To 4.423 %



MAT 2031

(n, remainder)
Cross Section

20-Ca-42
-0.129 To 0.000 %



4

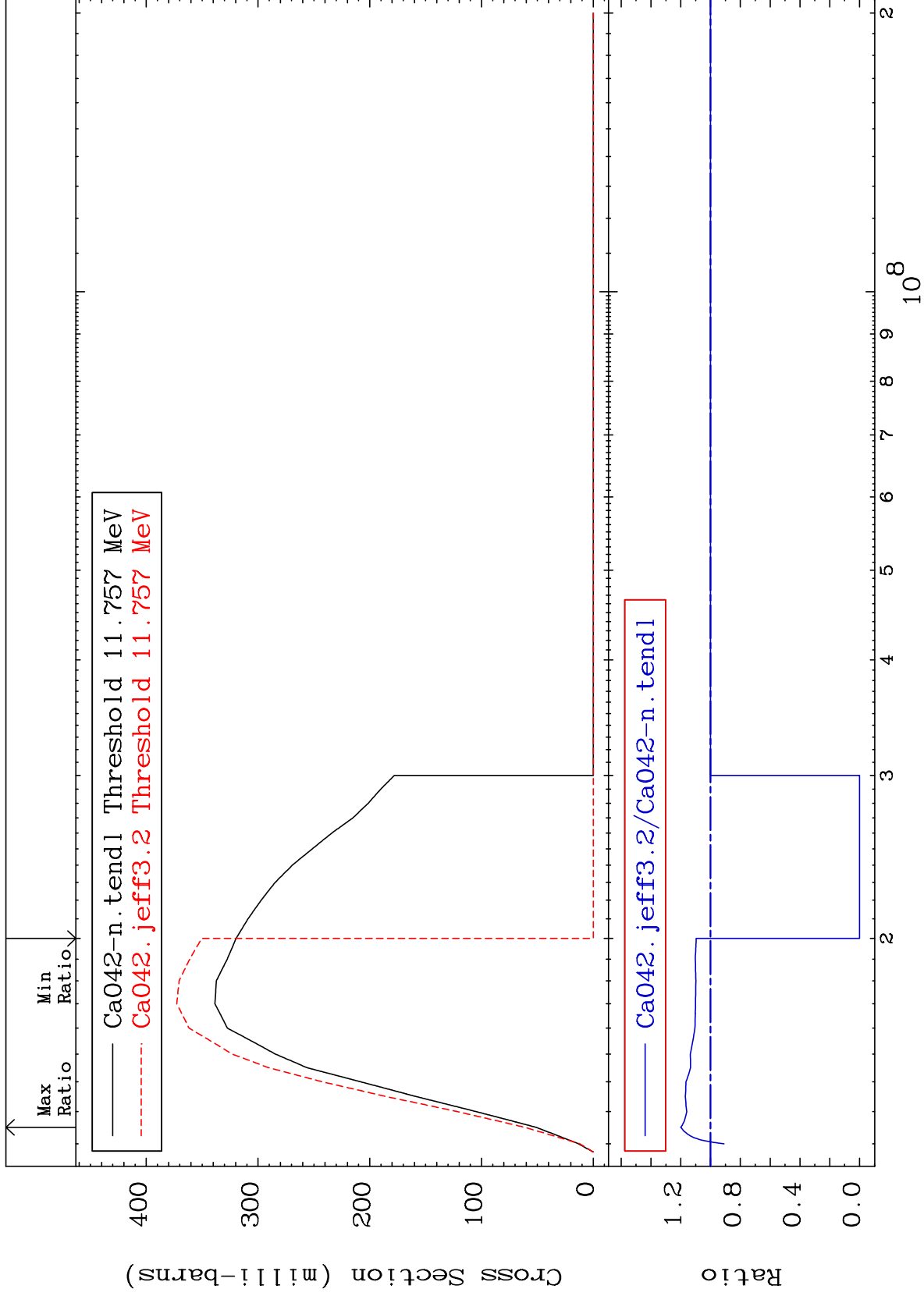
Incident Energy (eV)

20-Ca-42

MAT 2031

(n,2n)
Cross Section

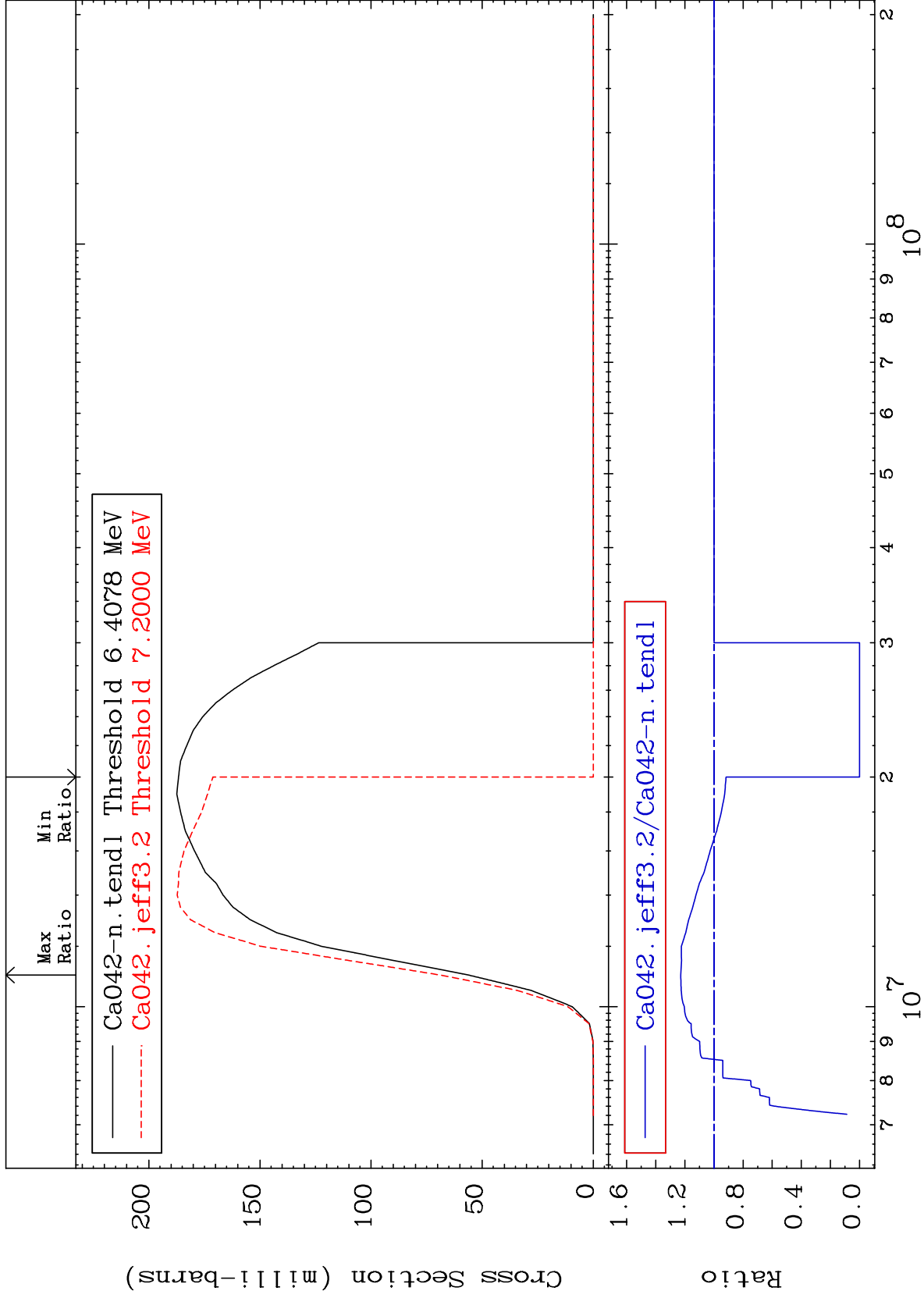
20-Ca-42
-100.0 To 19.99 %



MAT 2031

(n, n') α
Cross Section

20-Ca-42
-100.0 To 22.81 %



6

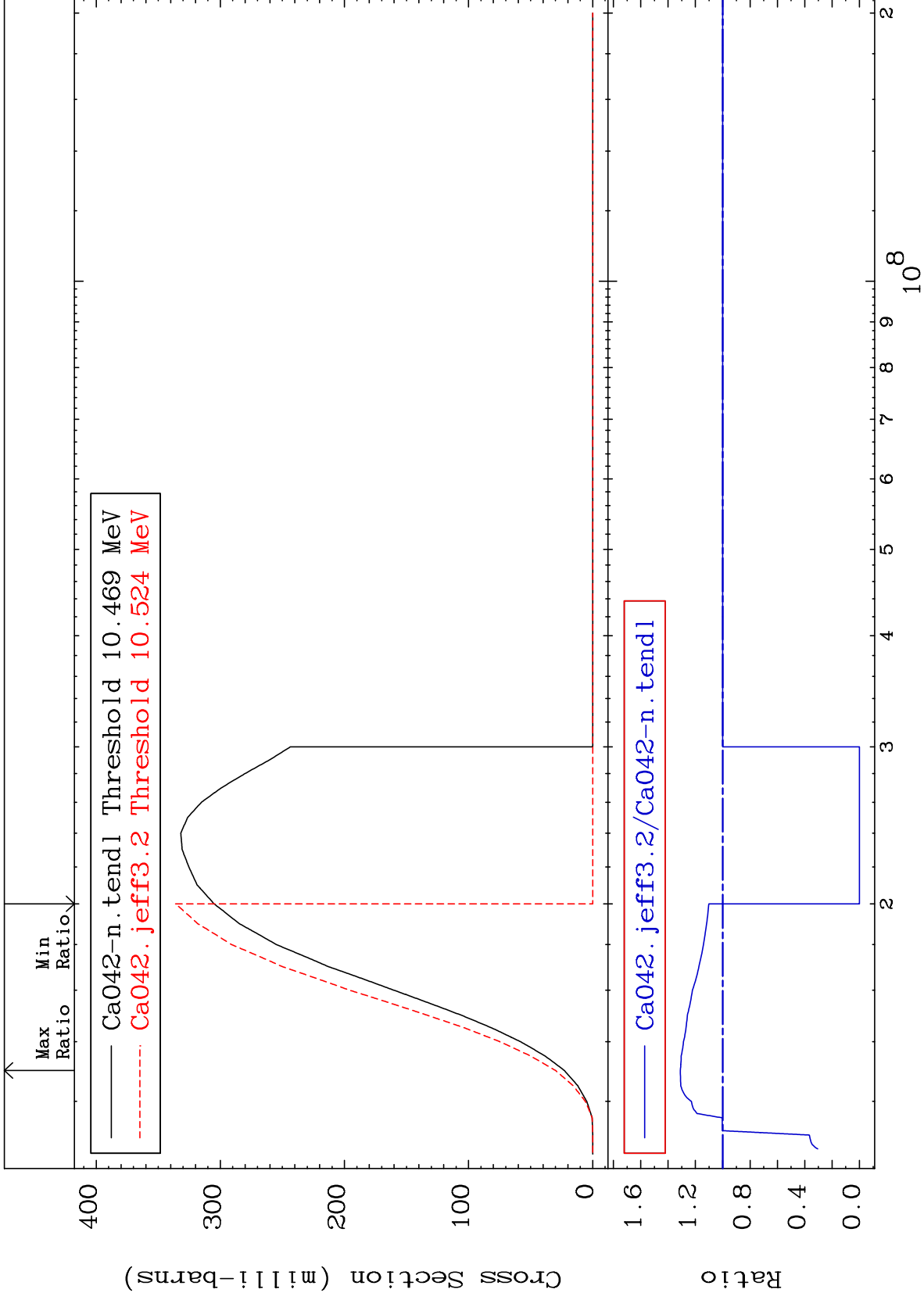
Incident Energy (eV)

20-Ca-42

MAT 2031

(n,n') p
Cross Section

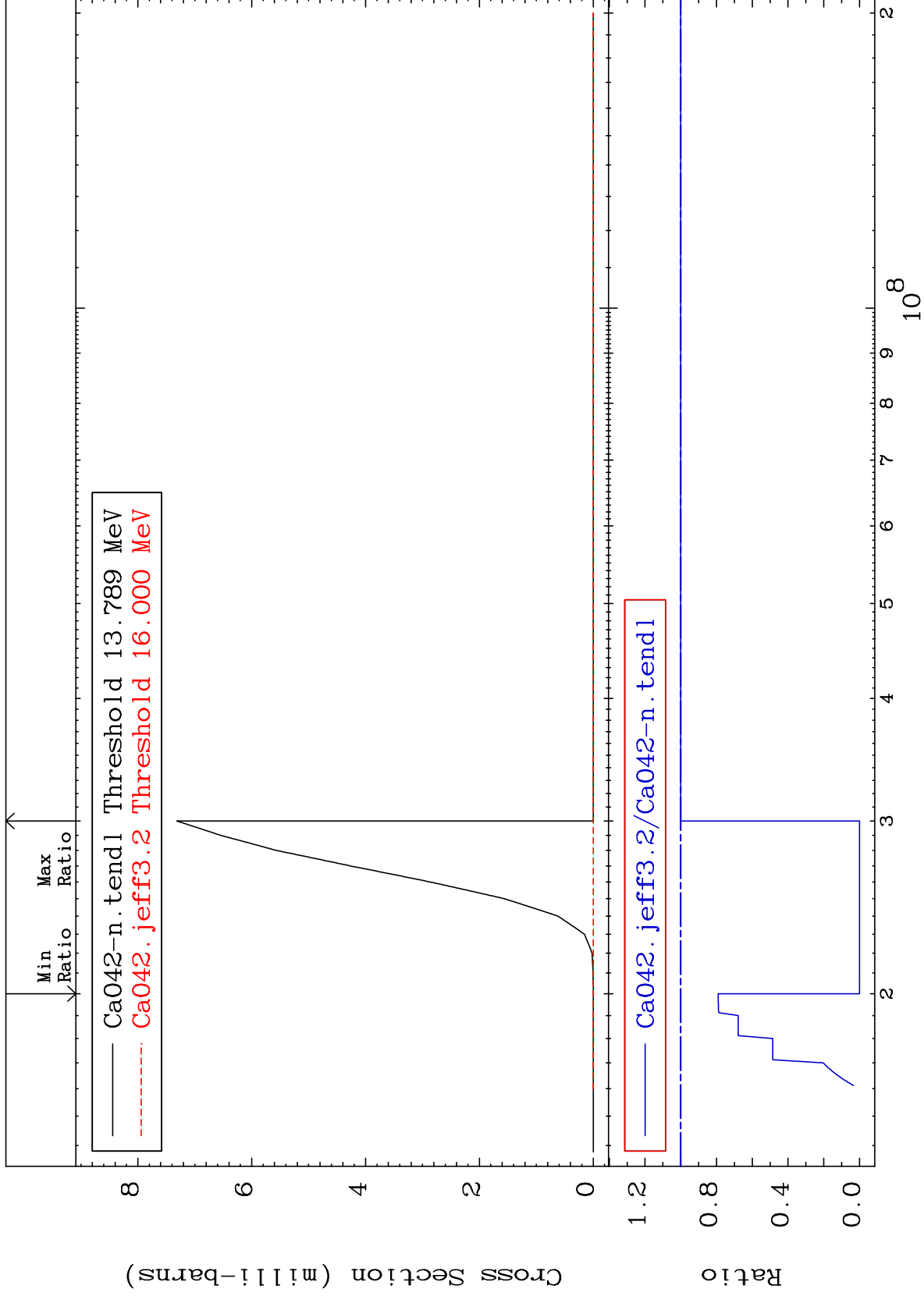
20-Ca-42
-100.0 To 31.01 %



MAT 2031

(n, n') 2α
Cross Section

20-Ca-42
-100.0 To 0.000 %



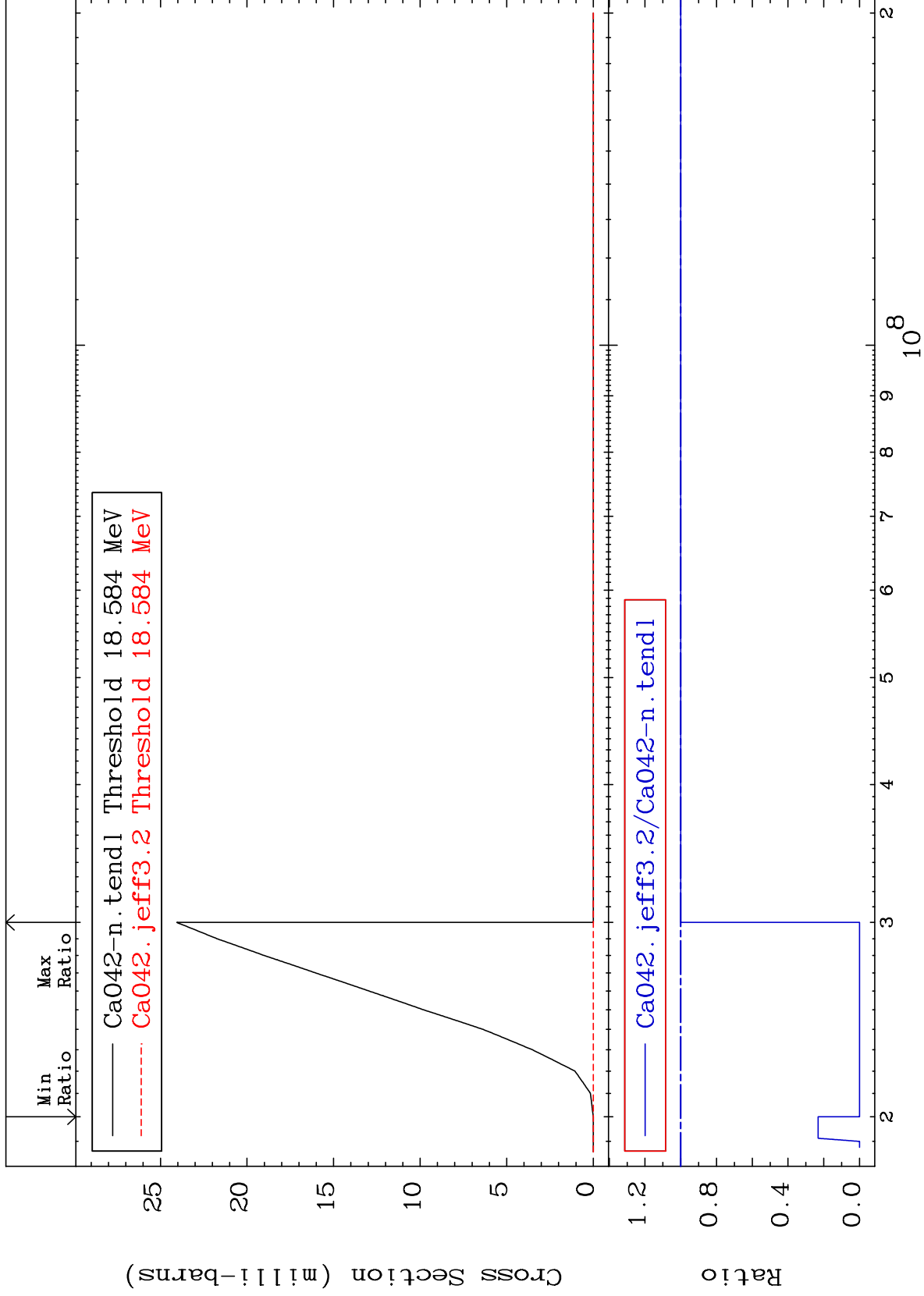
MAT 2031

(n, n') d

20-Ca-42

Cross Section

-100.0 To 0.000 %



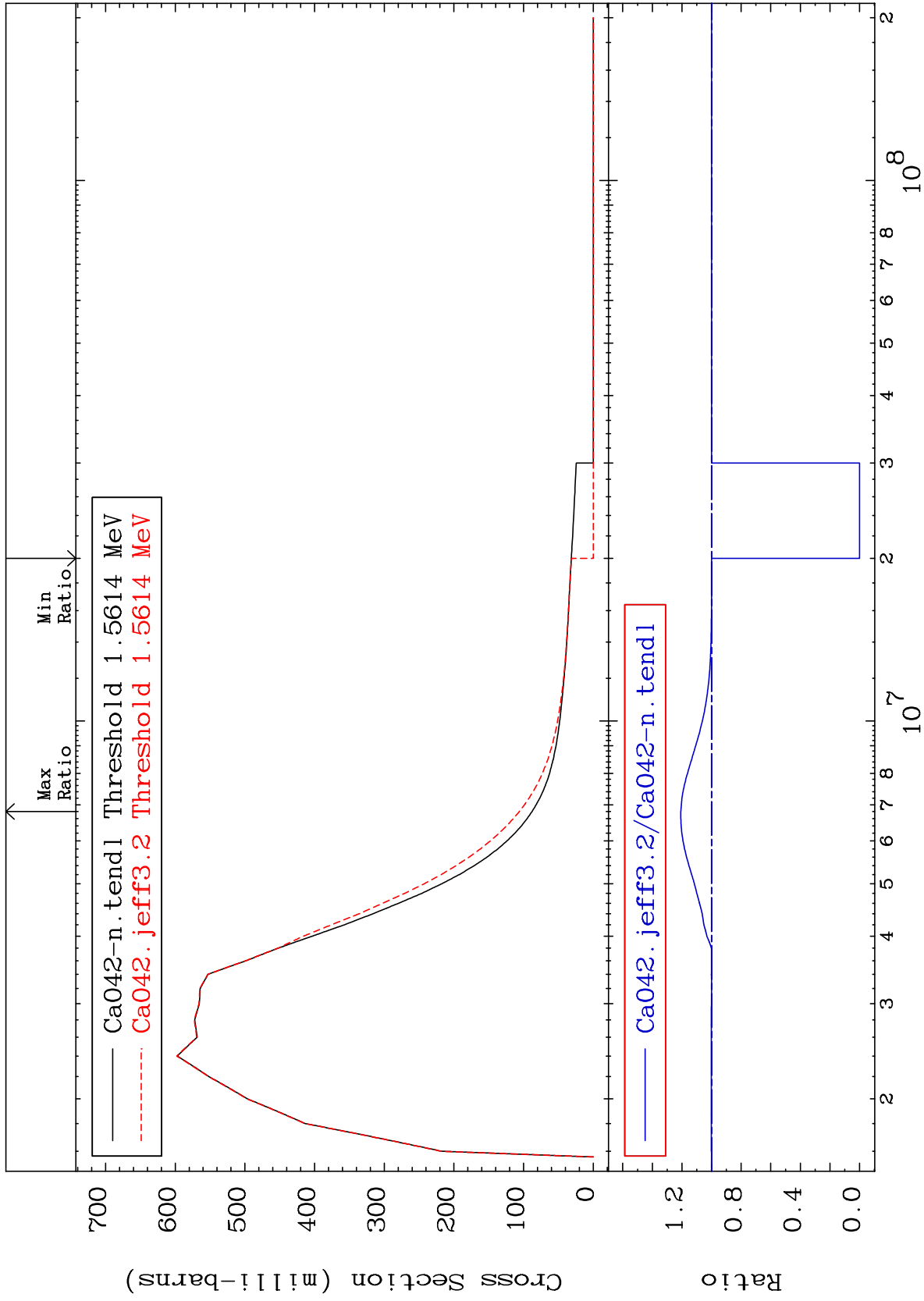
MAT 2031

1.525 MeV (n,n') Level

20-Ca-42

-100.0 To 20.80 %

Cross Section



10

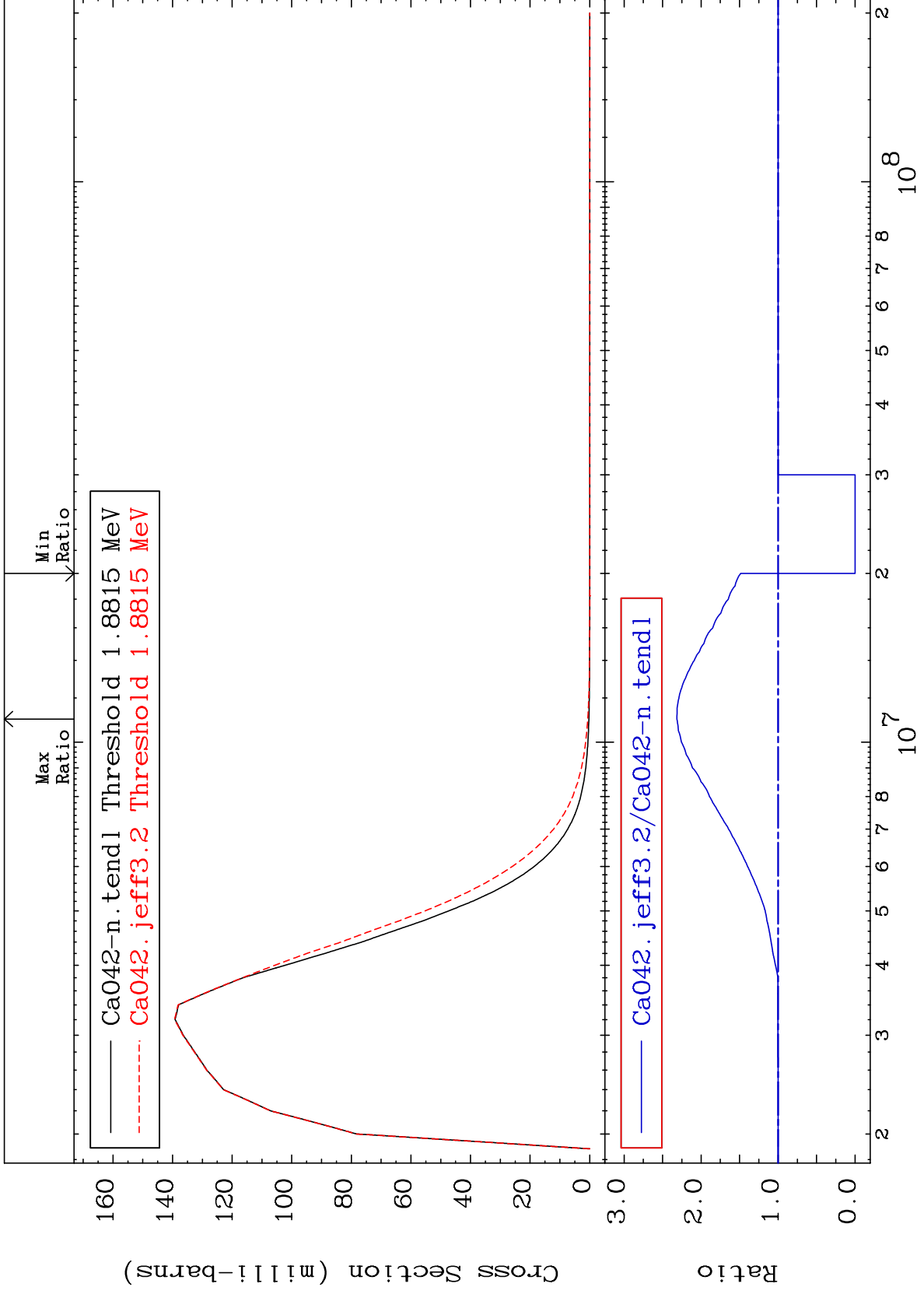
Incident Energy (eV)

20-Ca-42

MAT 2031

1.837 MeV (n,n') Level
Cross Section

20-Ca-42
-100.0 To 131.4 %



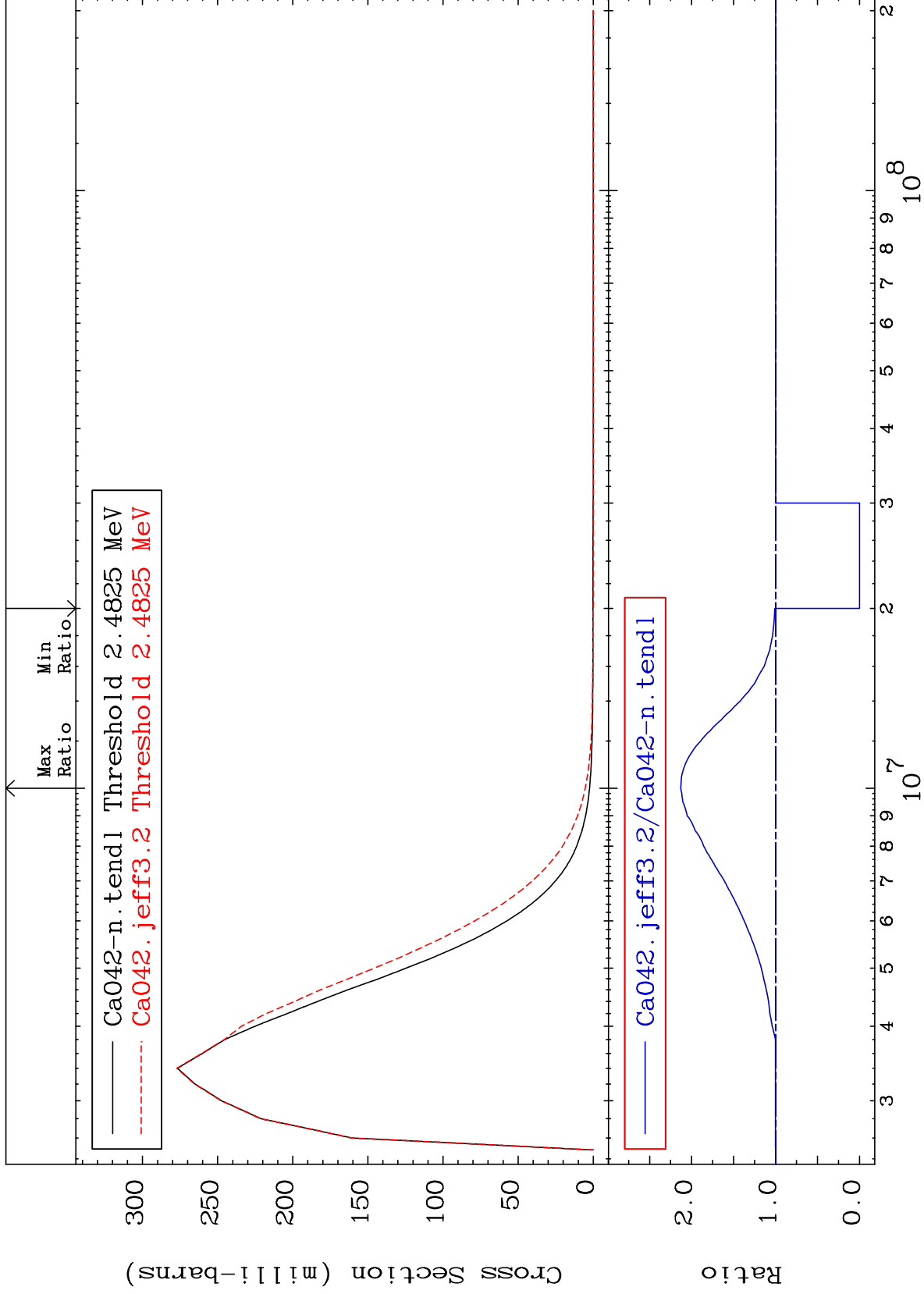
MAT 2031

2.424 MeV (n,n') Level

²⁰Ca-42

-100.0 To 112.9 %

Cross Section



12

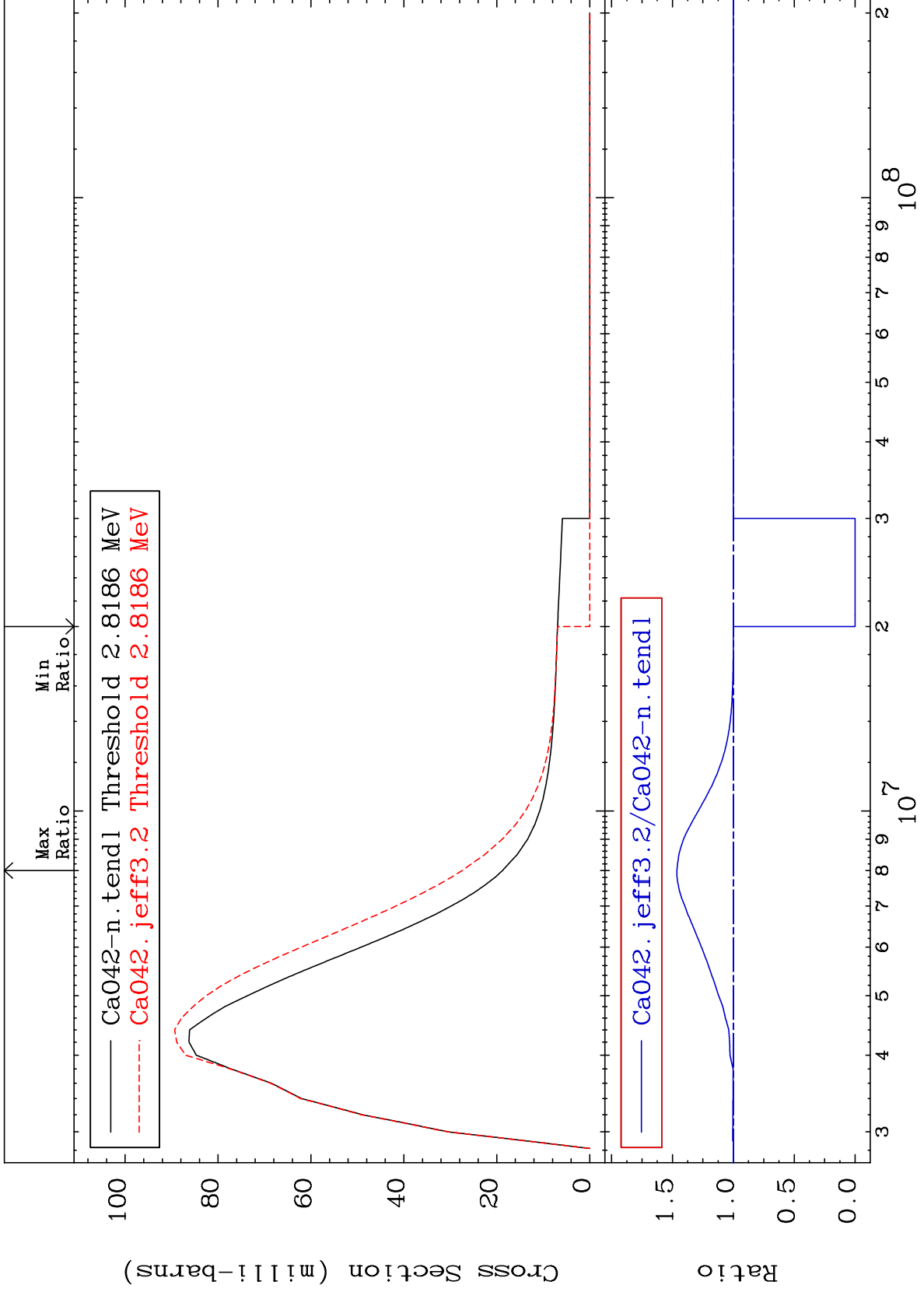
Incident Energy (eV)

²⁰Ca-42

MAT 2031

2.752 MeV (n,n') Level
Cross Section

20-Ca-42
-100.0 To 46.32 %



13

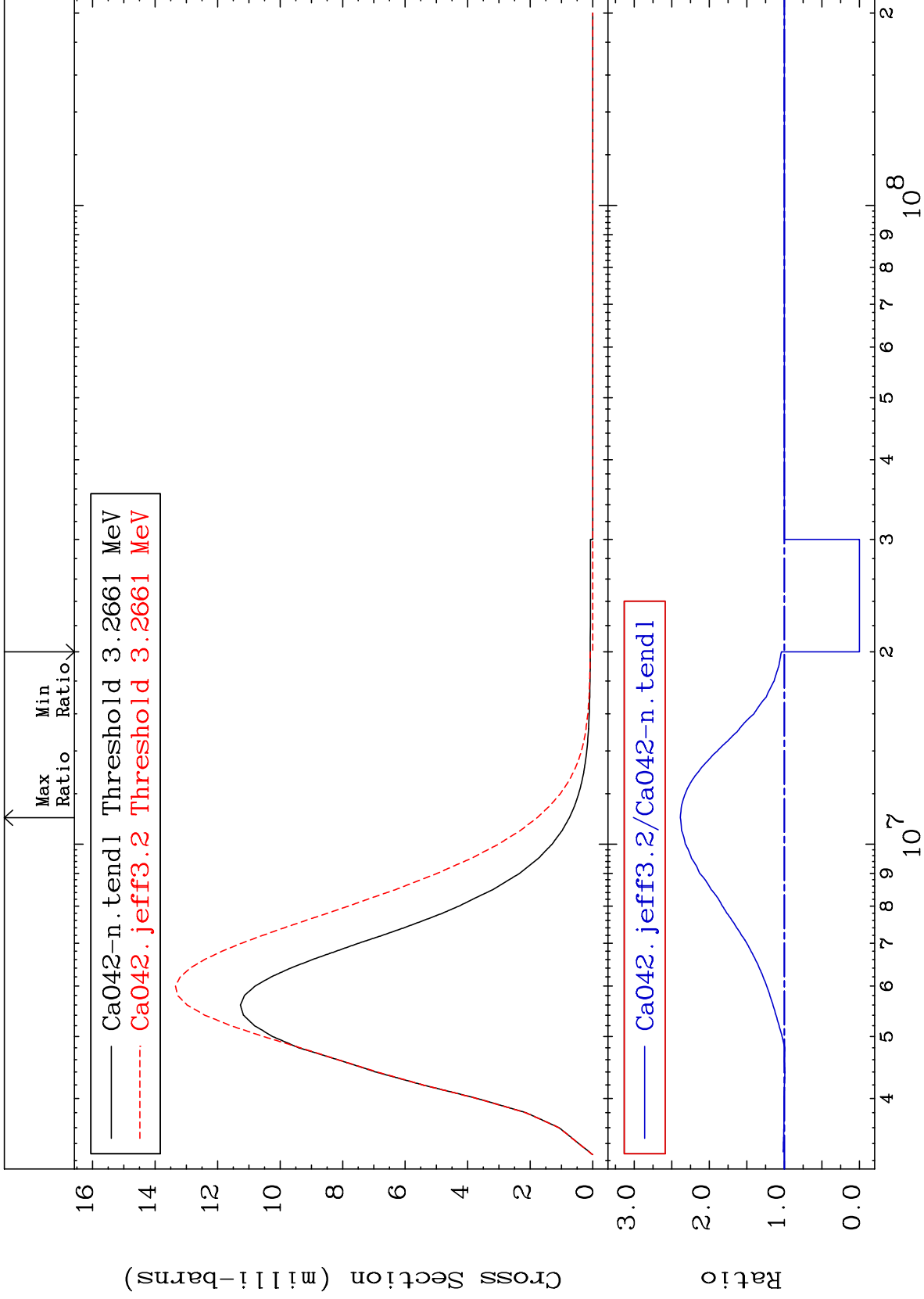
Incident Energy (eV)

20-Ca-42

MAT 2031

3.189 MeV (n,n') Level
Cross Section

20-Ca-42
-100.0 To 138.5 %



14

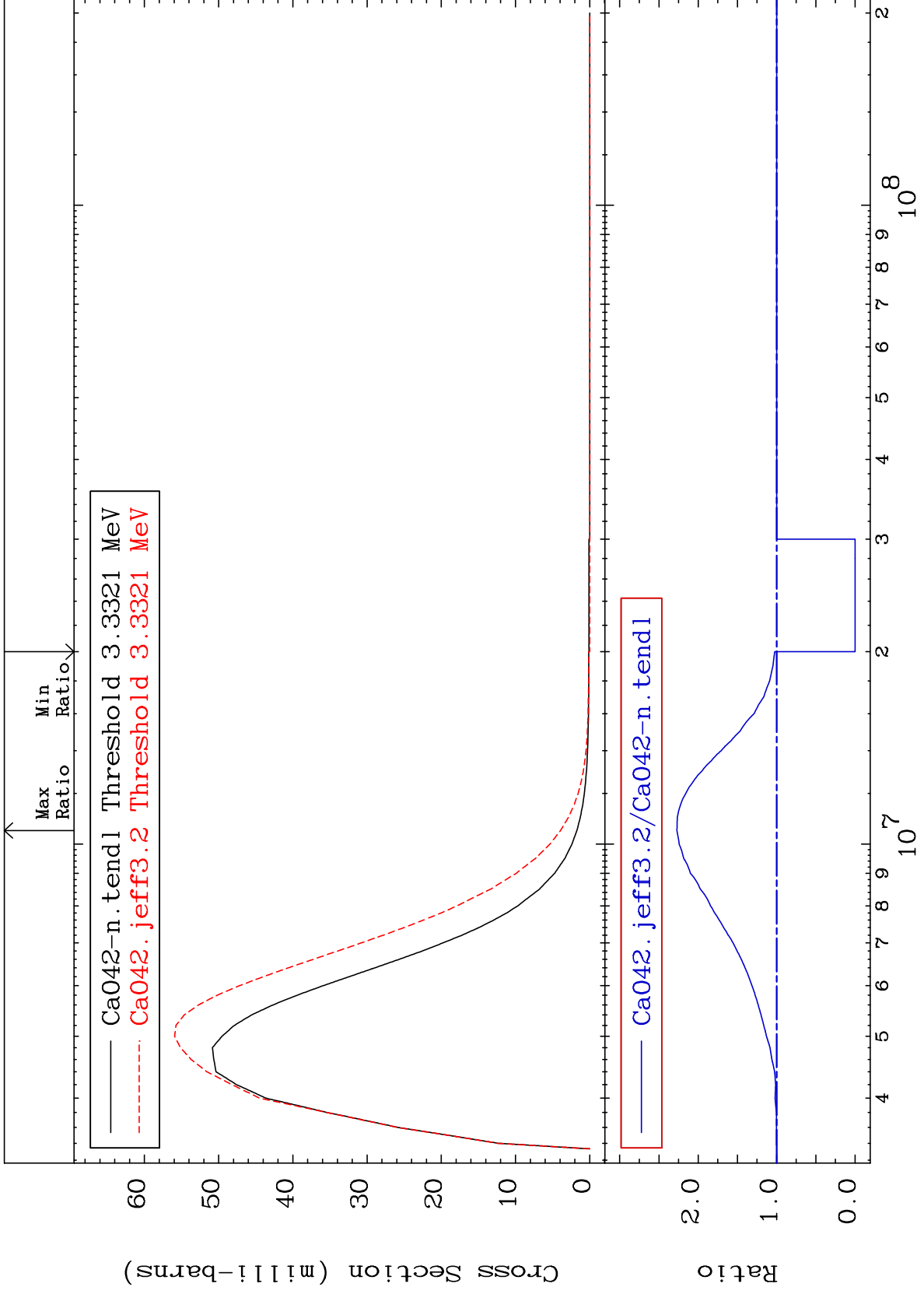
Incident Energy (eV)

20-Ca-42

MAT 2031

3.254 MeV (n,n') Level
Cross Section

20-Ca-42
-100.0 To 127.1 %



15

Incident Energy (eV)

20-Ca-42

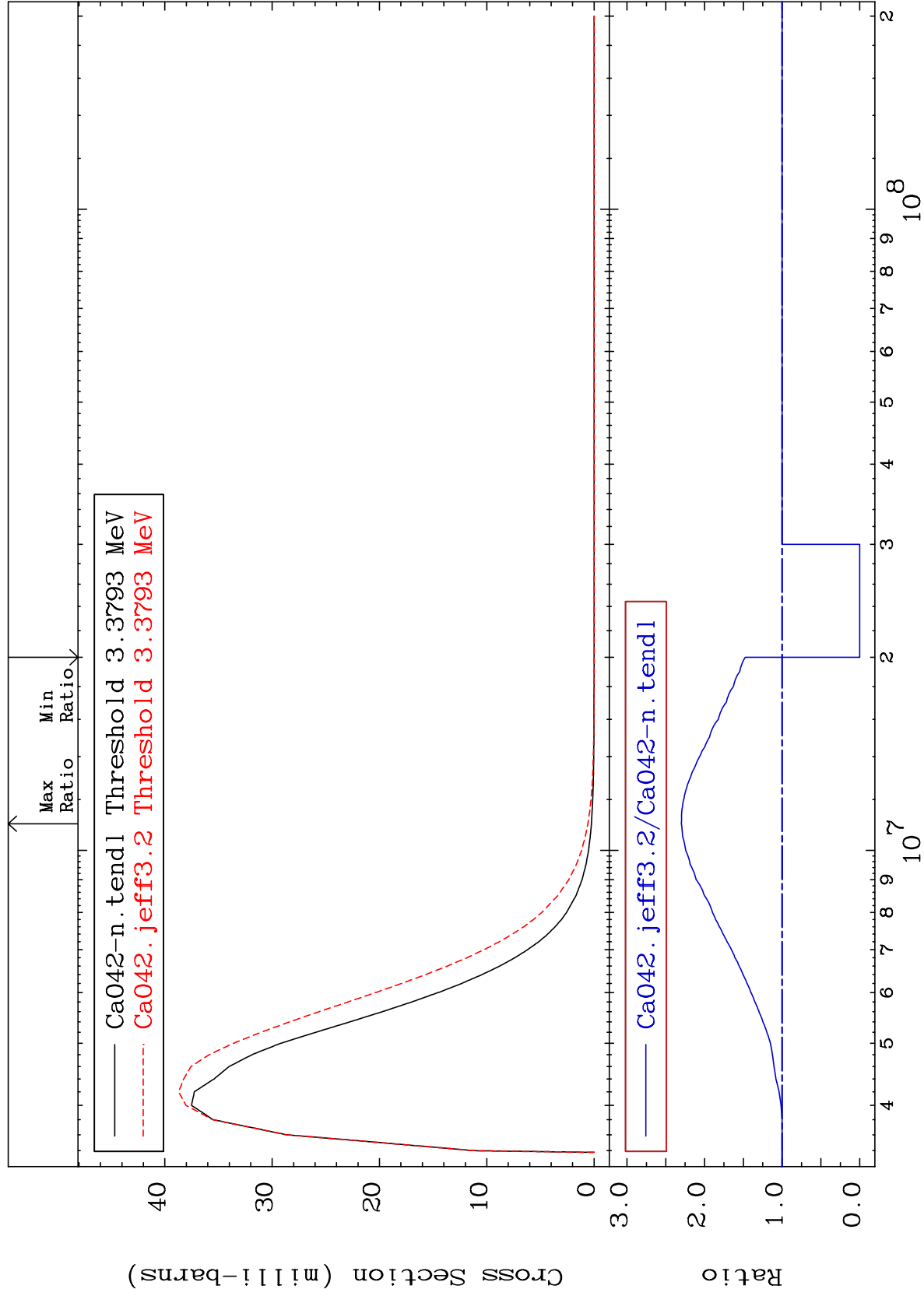
MAT 2031

3.300 MeV (n,n') Level

20-Ca-42

-100.0 To 129.9 %

Cross Section



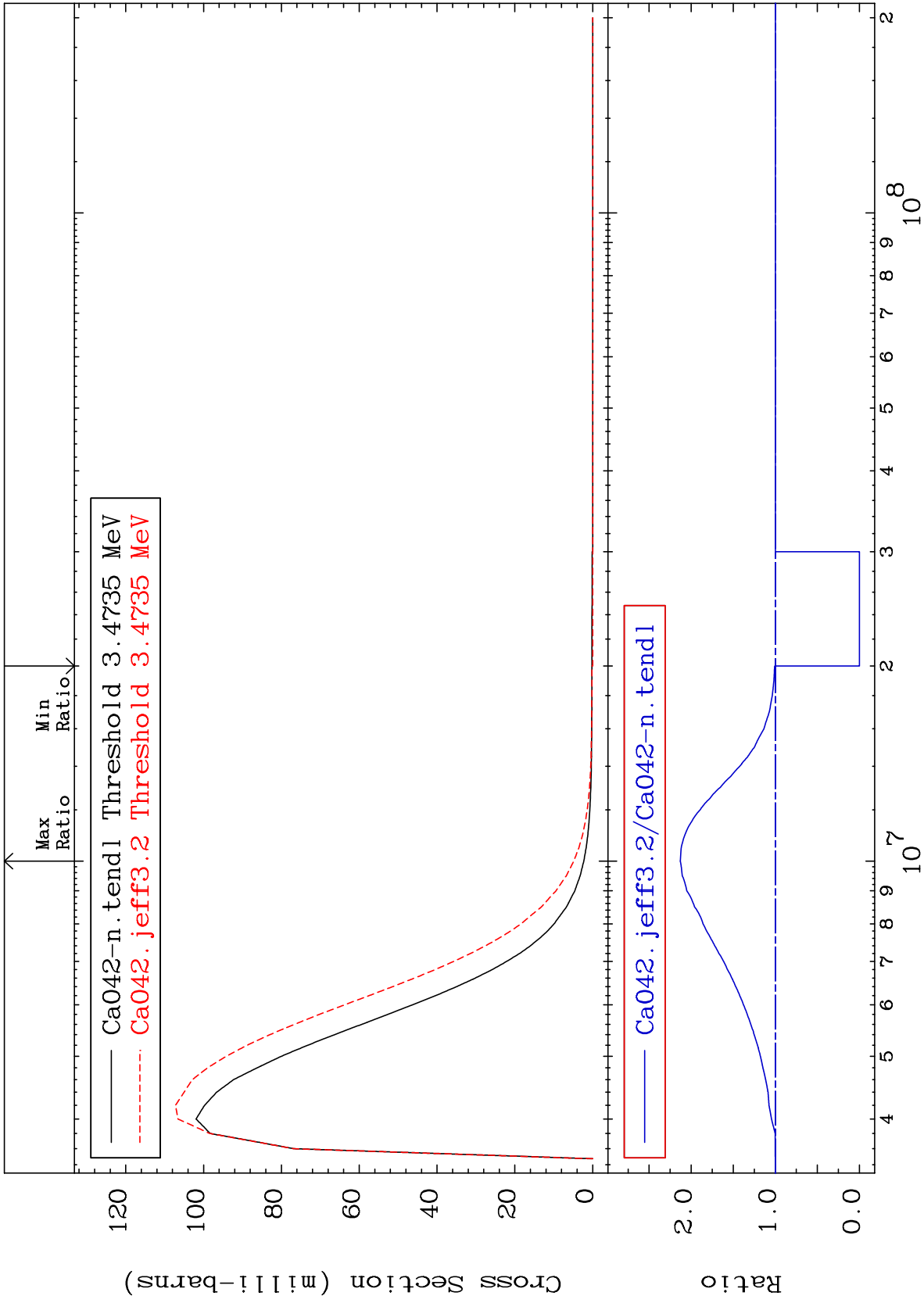
MAT 2031

3.392 MeV (n,n') Level

20-Ca-42

Cross Section

-100.0 To 112.9 %



17

Incident Energy (eV)

20-Ca-42

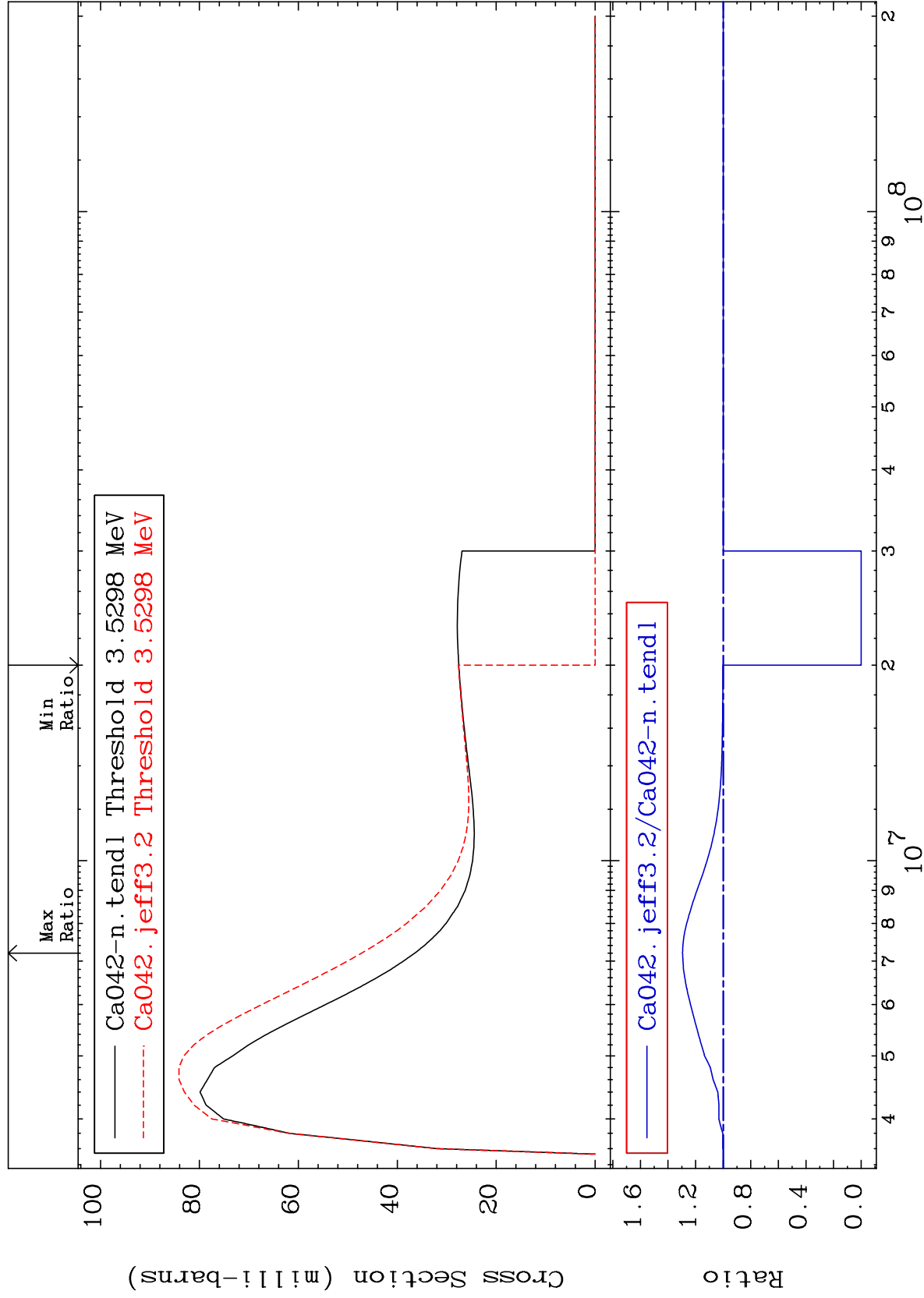
MAT 2031

3.447 MeV (n,n') Level

20-Ca-42

-100.0 To 29.47 %

Cross Section



18

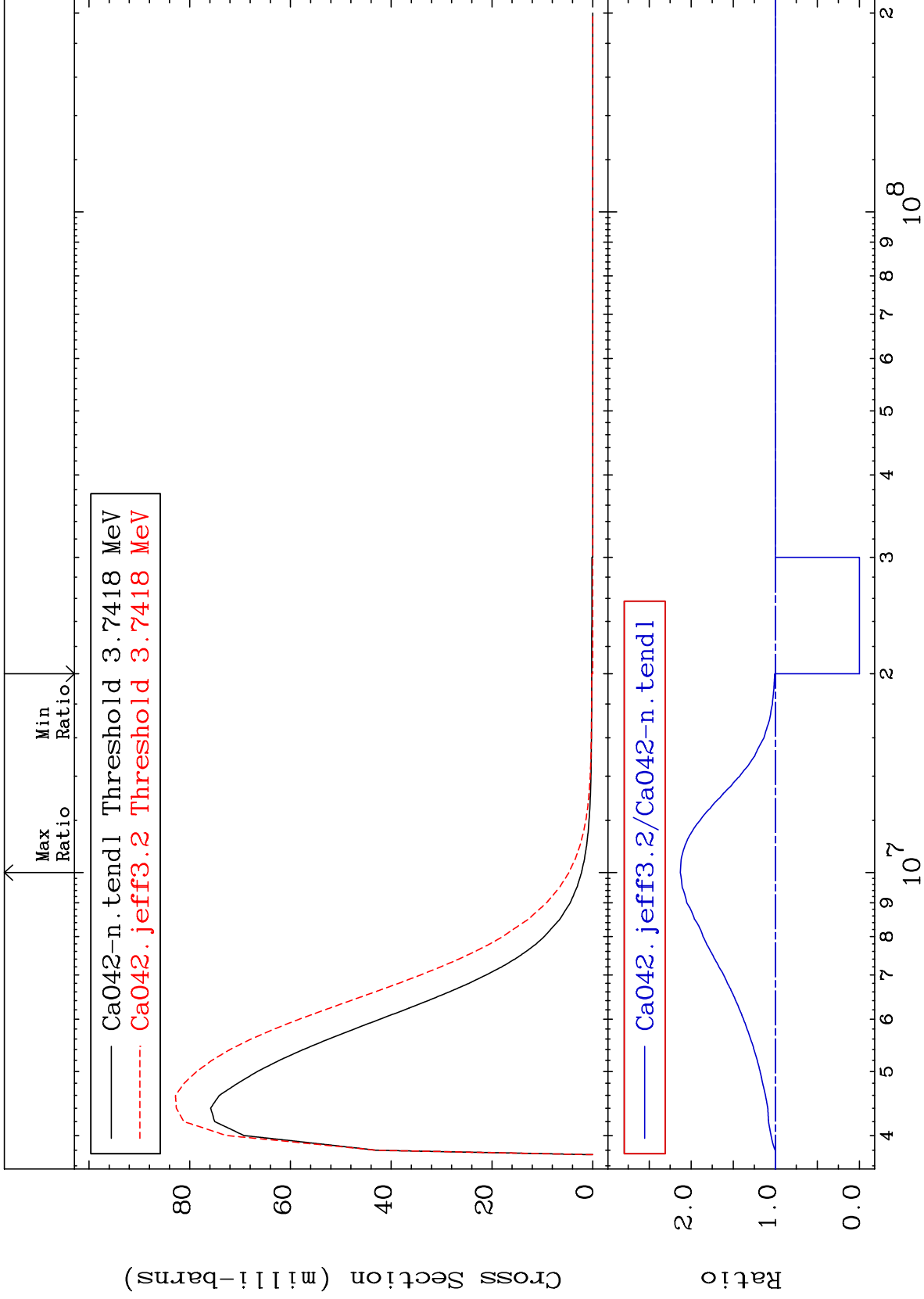
Incident Energy (eV)

20-Ca-42

MAT 2031

3.654 MeV (n,n') Level
Cross Section

20-Ca-42
-100.0 To 112.9 %



19

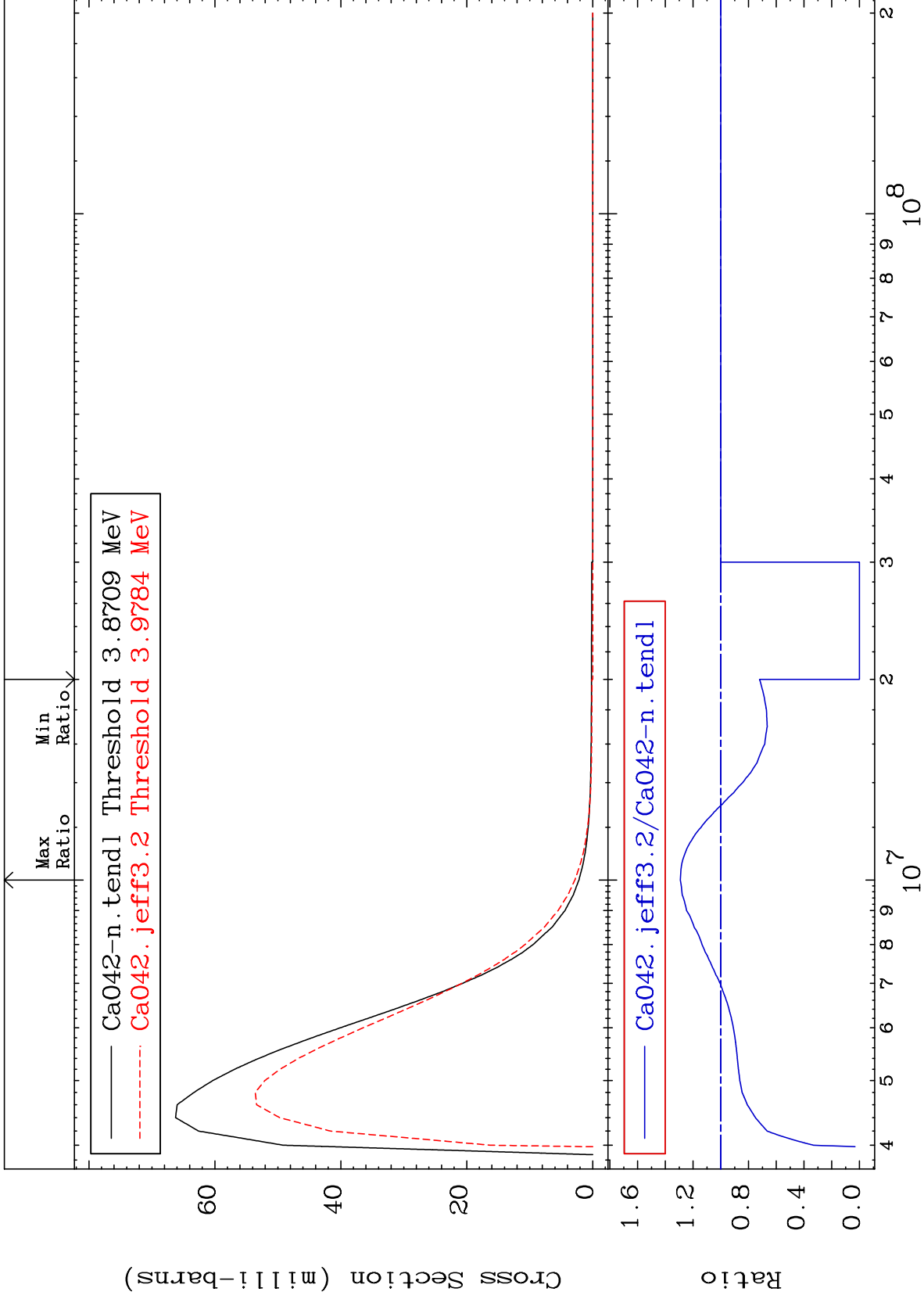
Incident Energy (eV)

20-Ca-42

MAT 2031

3.780 MeV (n,n') Level
Cross Section

20-Ca-42
-100.0 To 29.17 %



20

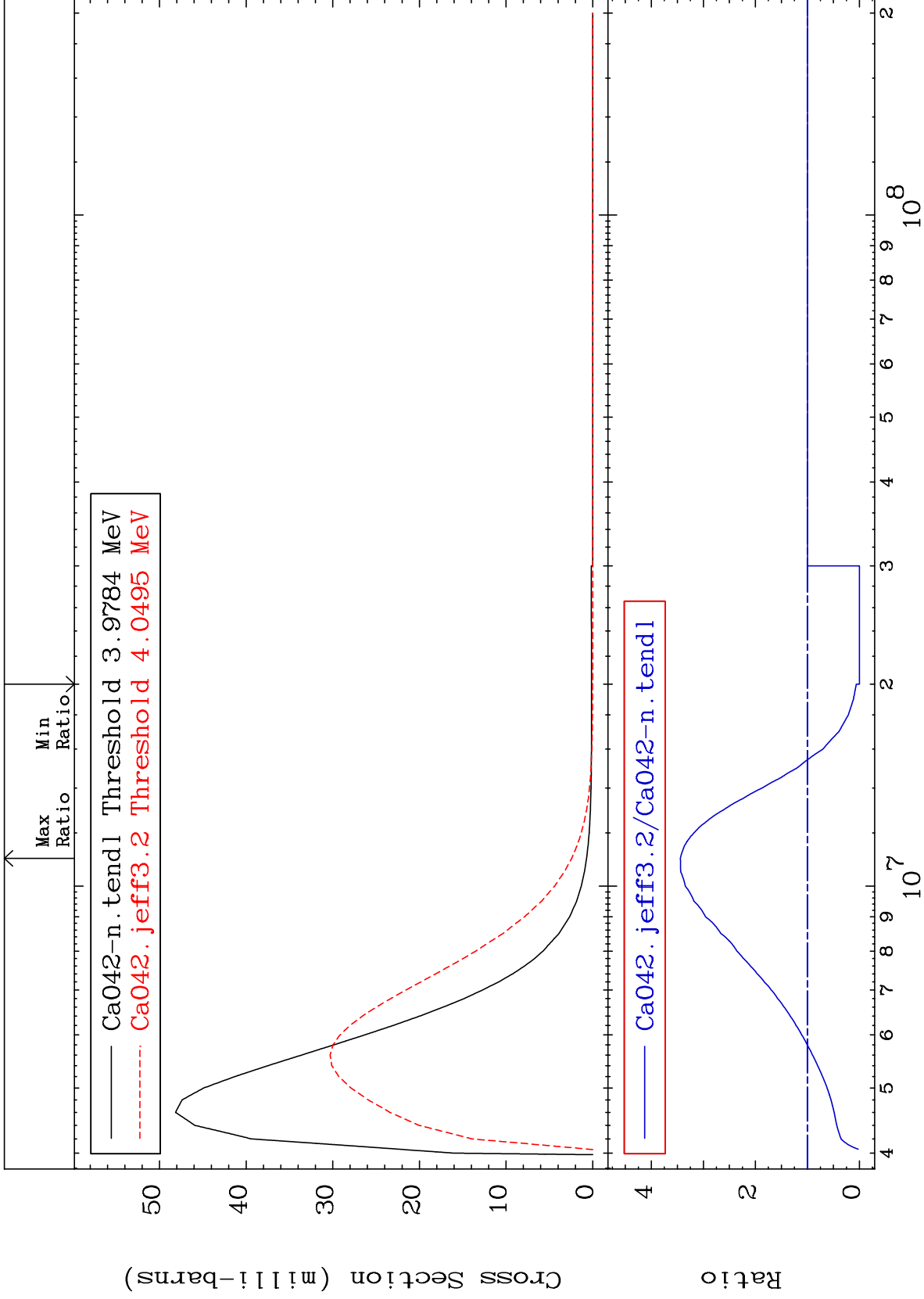
Incident Energy (eV)

20-Ca-42

MAT 2031

3.885 MeV (n,n') Level
Cross Section

20-Ca-42
-100.0 To 244.2 %

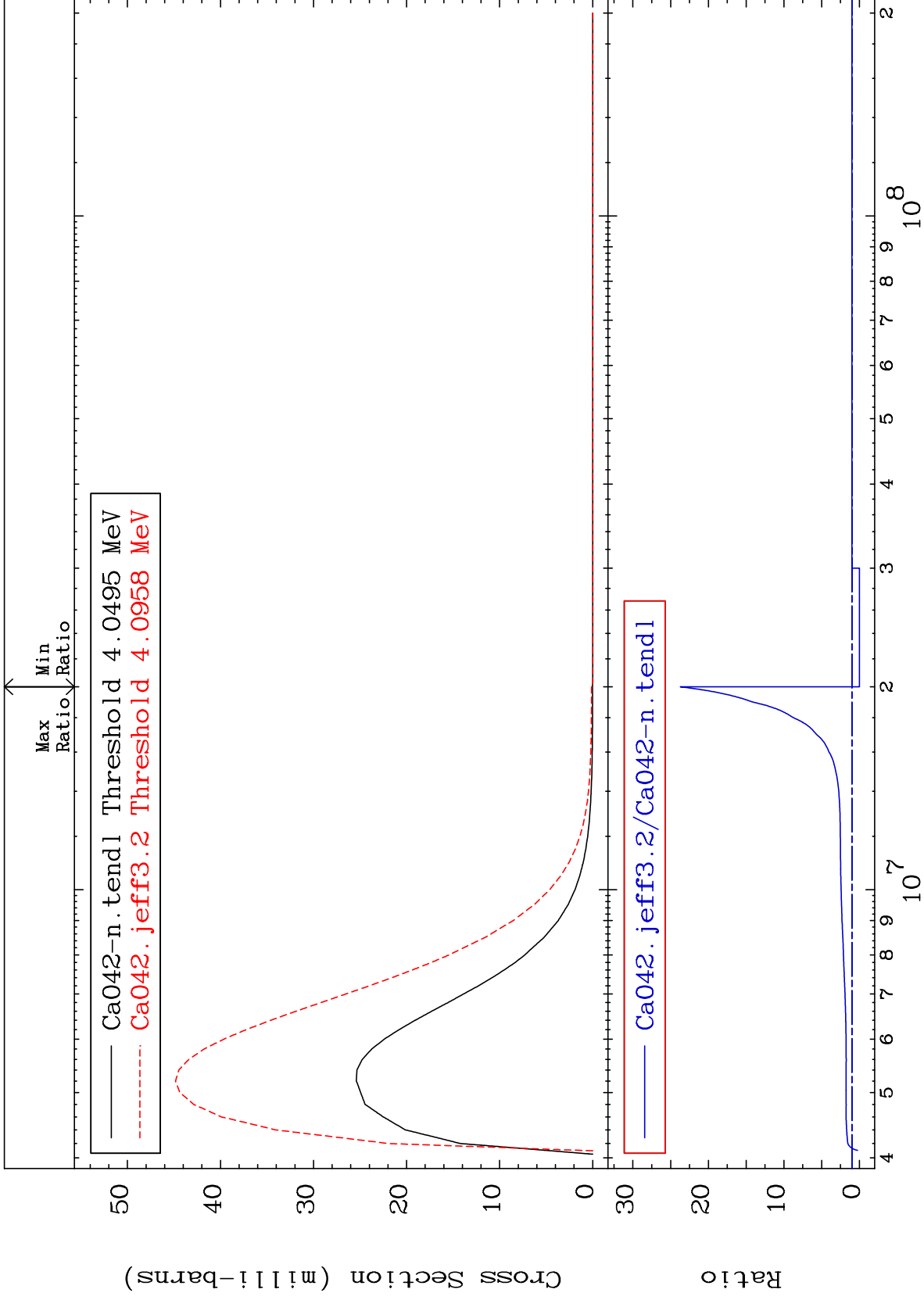


21

MAT 2031

3.954 MeV (n,n') Level
Cross Section

20-Ca-42
-100.0 To 2271. %



22

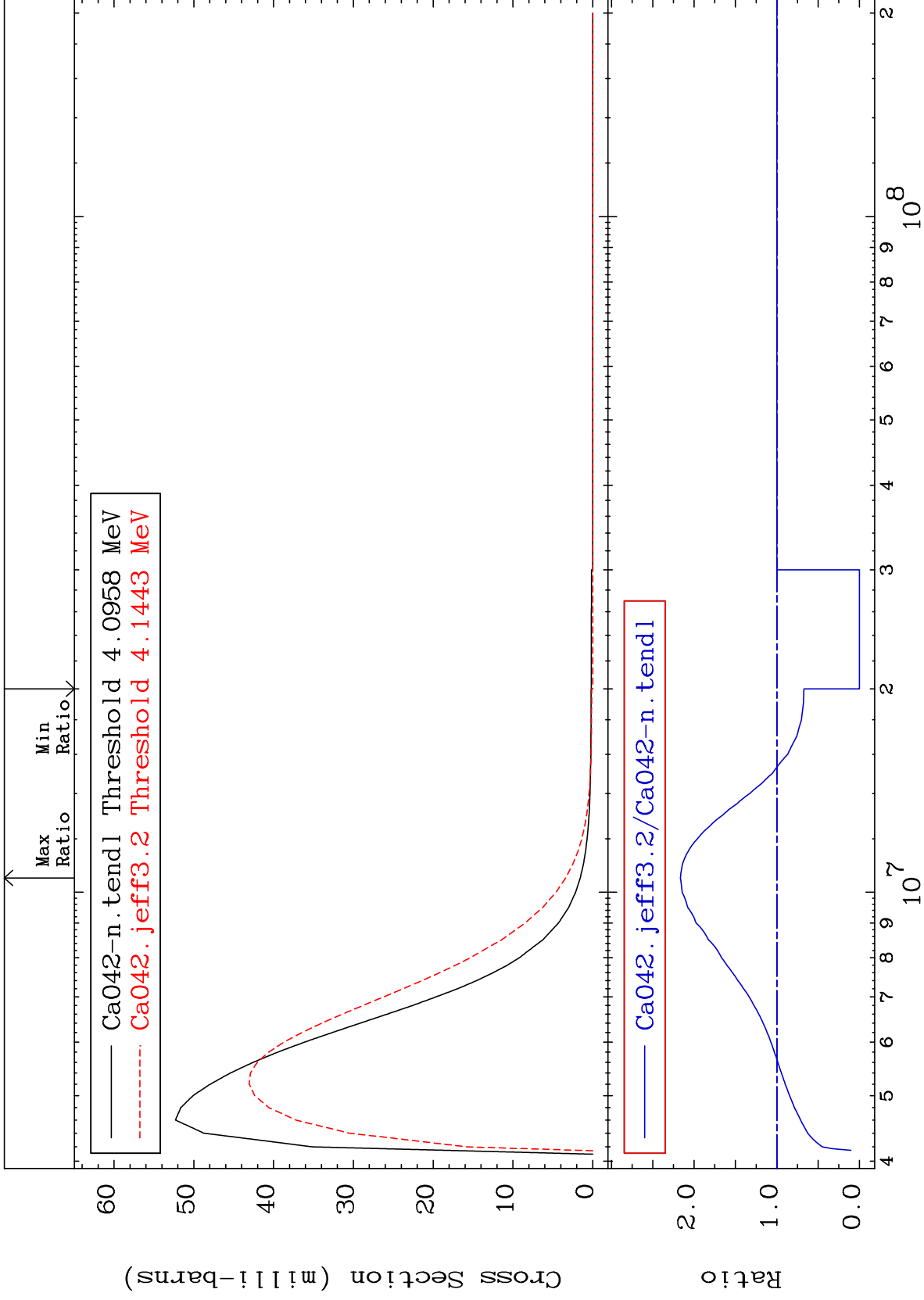
Incident Energy (eV)

20-Ca-42

MAT 2031

4.000 MeV (n,n') Level
Cross Section

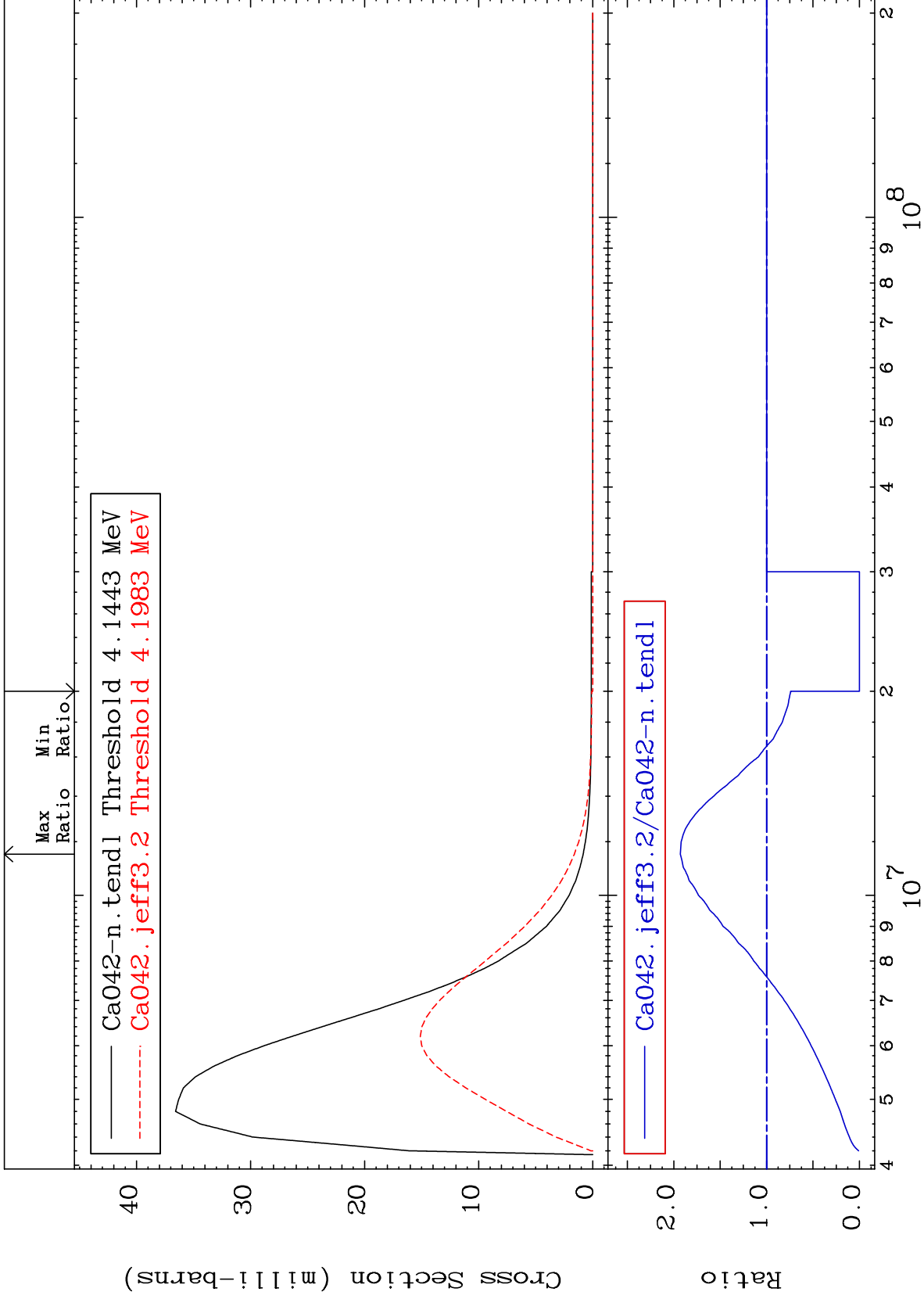
20-Ca-42
-100.0 To 116.7 %



MAT 2031

4.047 MeV (n,n') Level
Cross Section

20-Ca-42
-100.0 To 92.88 %



24

Incident Energy (eV)

20-Ca-42

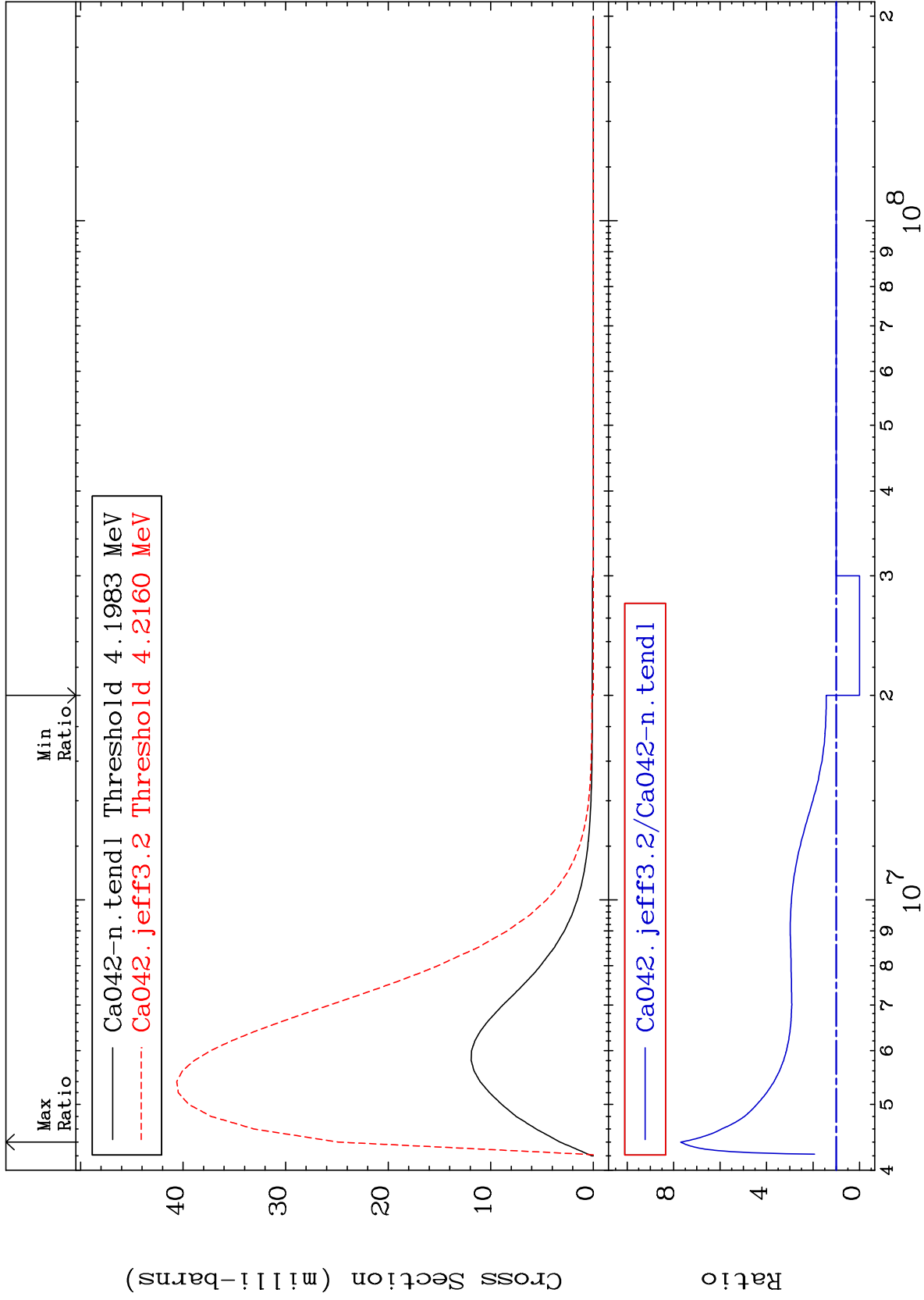
MAT 2031

4.100 MeV (n,n') Level

20-Ca-42

-100.0 To 669.2 %

Cross Section



25

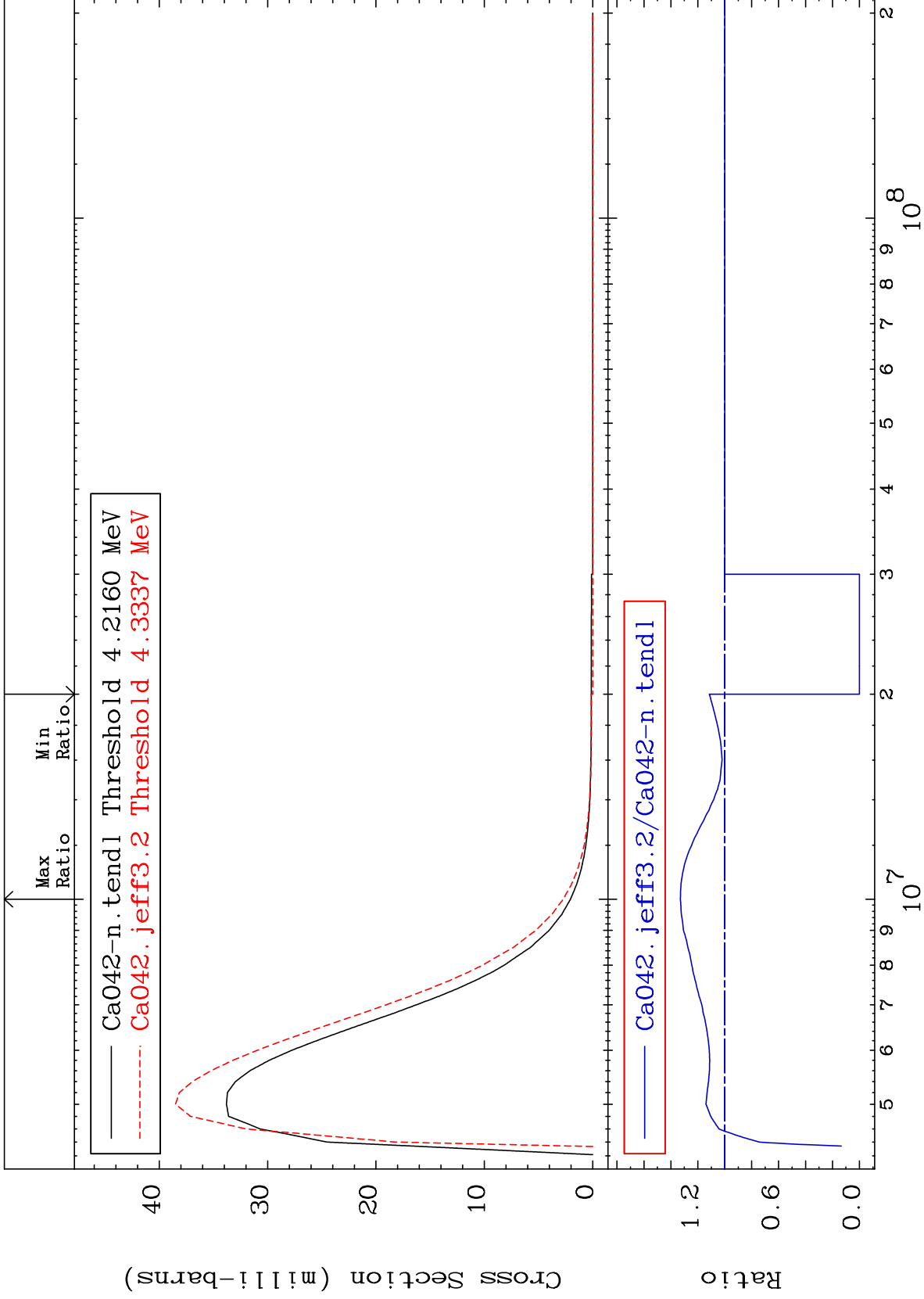
Incident Energy (eV)

20-Ca-42

MAT 2031

4.117 MeV (n,n') Level
Cross Section

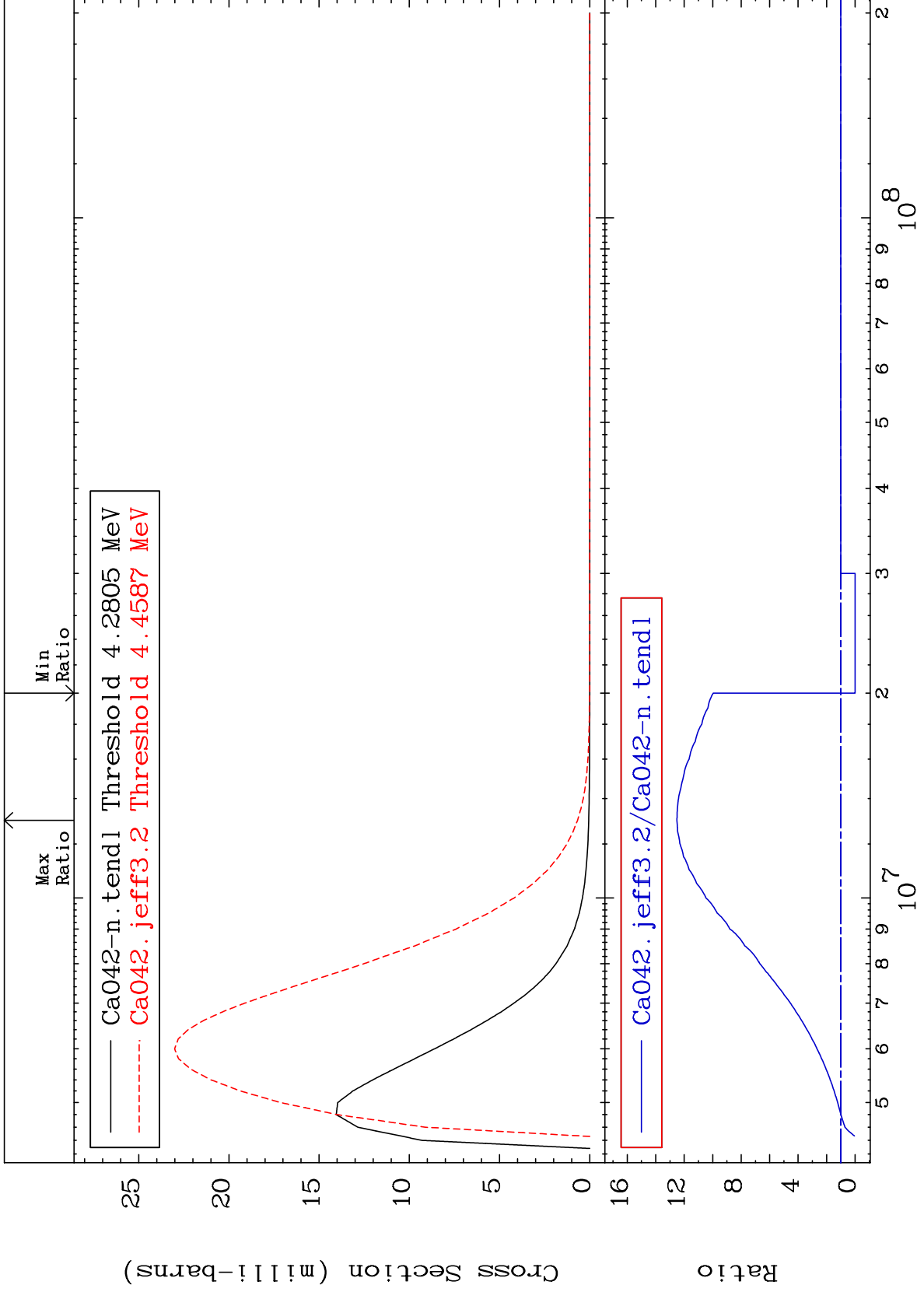
20-Ca-42
-100.0 To 32.97 %



MAT 2031

4.180 MeV (n,n') Level
Cross Section

20-Ca-42
-100.0 To 1151. %



27

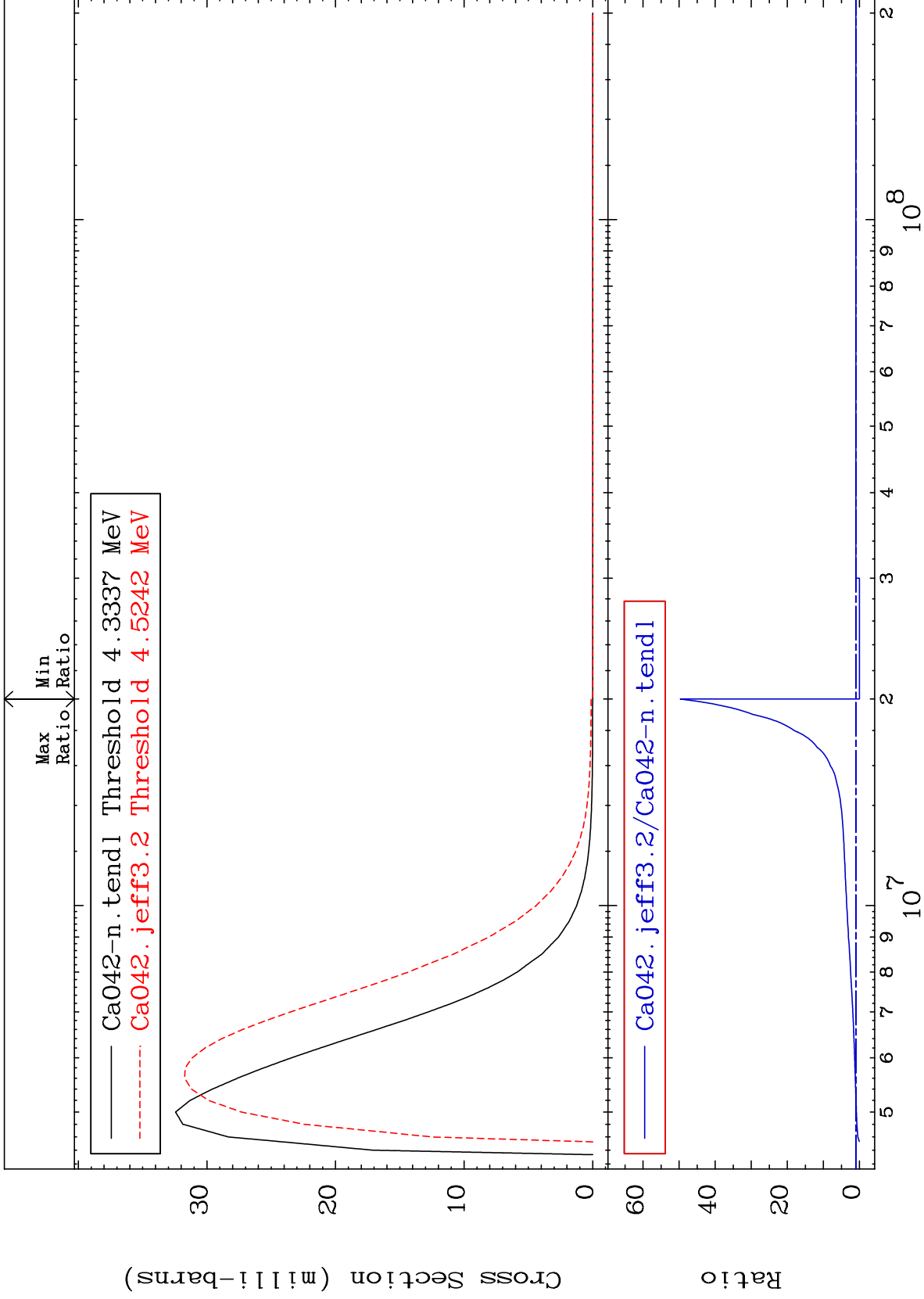
Incident Energy (eV)

20-Ca-42

MAT 2031

4.232 MeV (n,n') Level
Cross Section

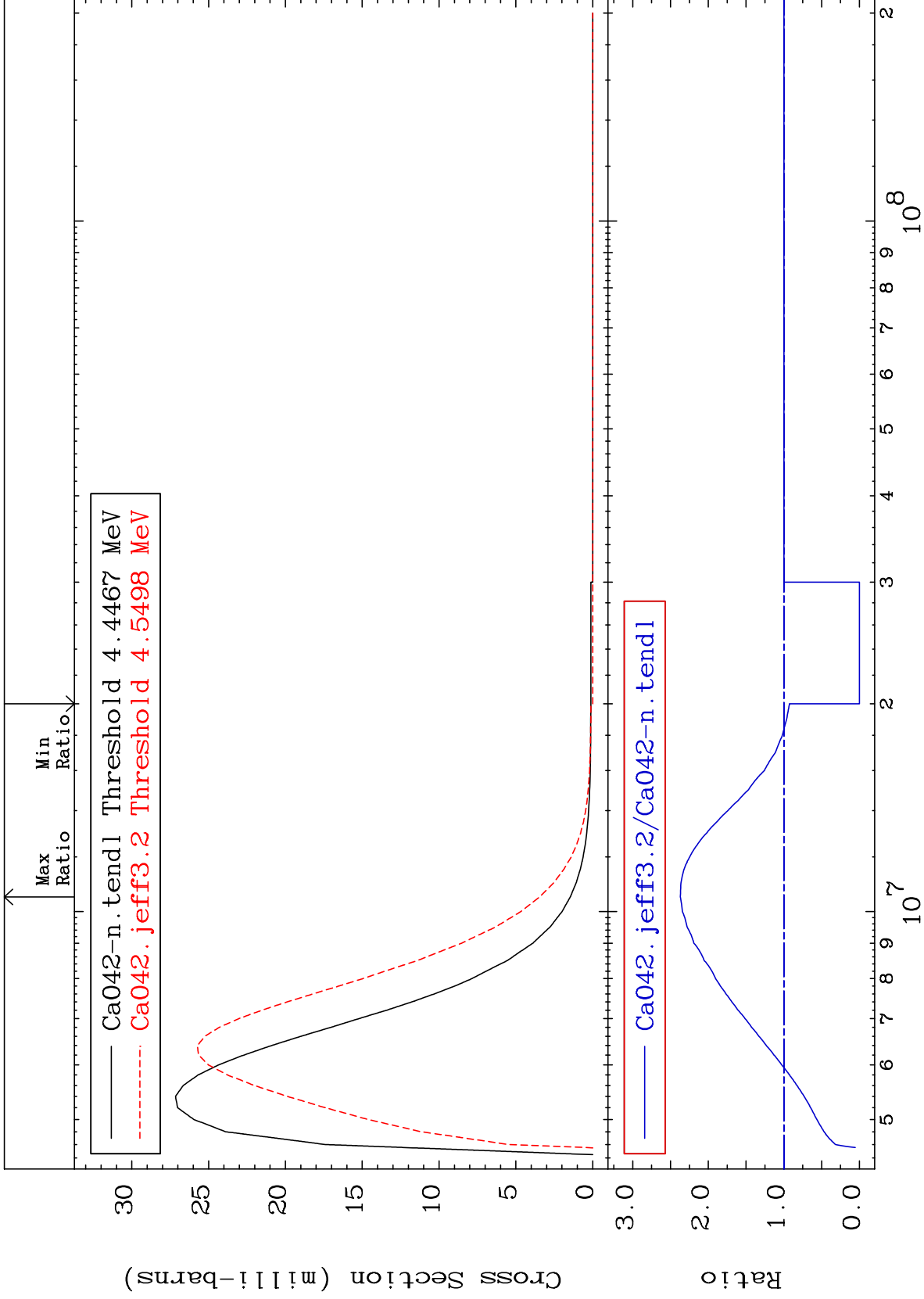
20-Ca-42
-100.0 To 4866. %



MAT 2031

4.342 MeV (n,n') Level
Cross Section

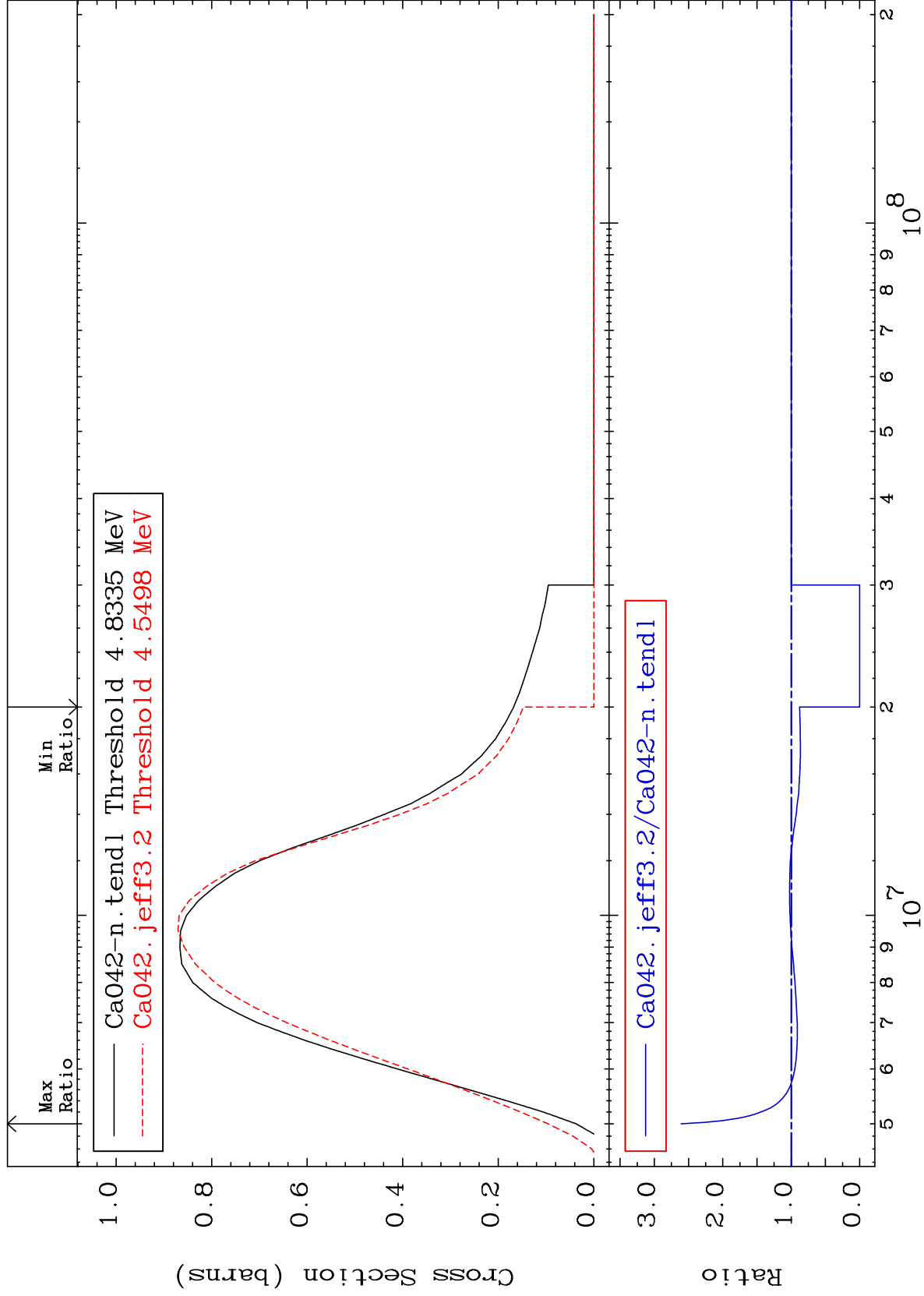
20-Ca-42
-100.0 To 136.9 %



MAT 2031

(n, n') Continuum
Cross Section

20-Ca-42
-100.0 To 160.8 %



30

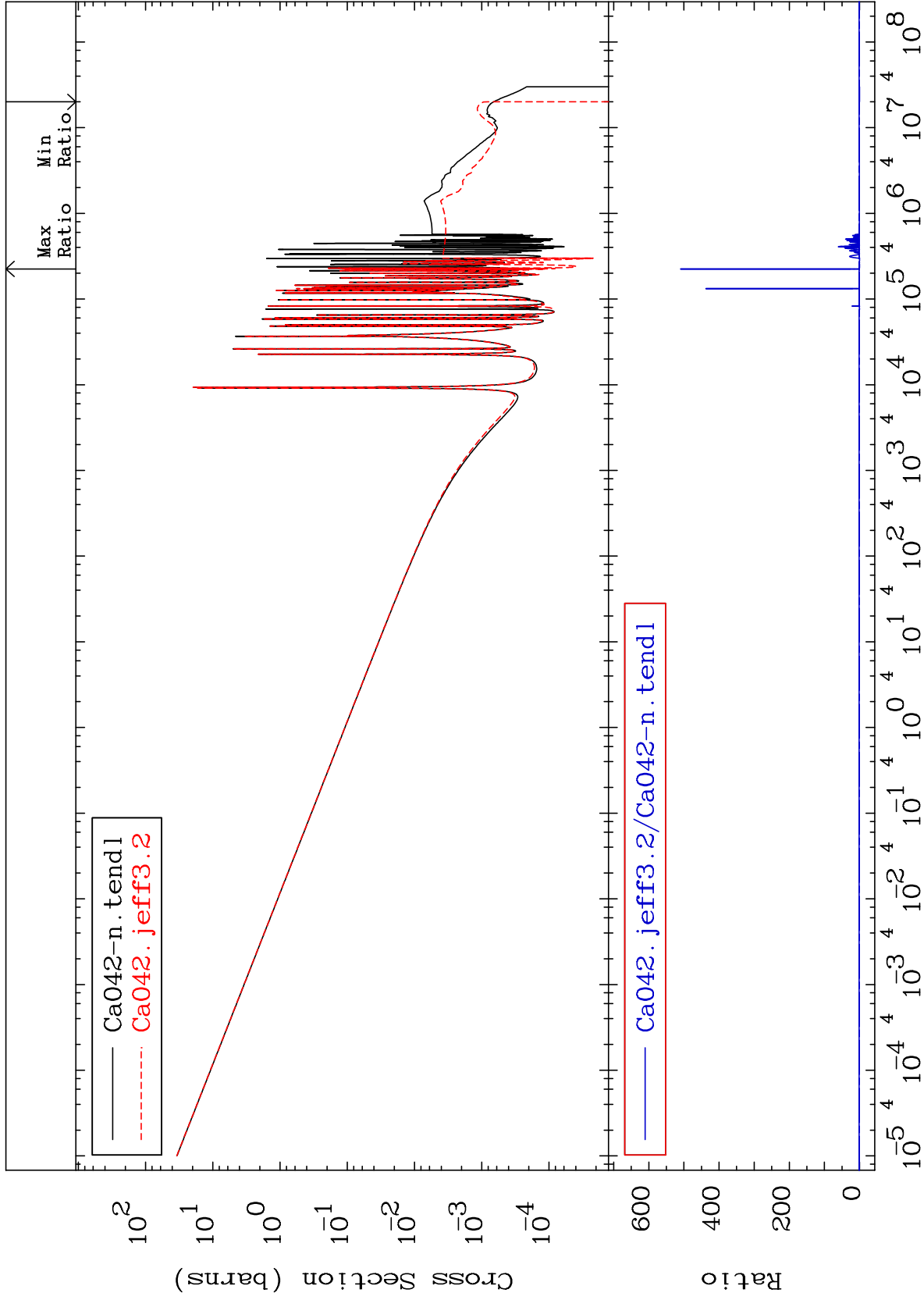
MAT 2031

(n, γ)

20-Ca-42

Cross Section

-100.0 To 9999. %



31

Incident Energy (eV)

20-Ca-42

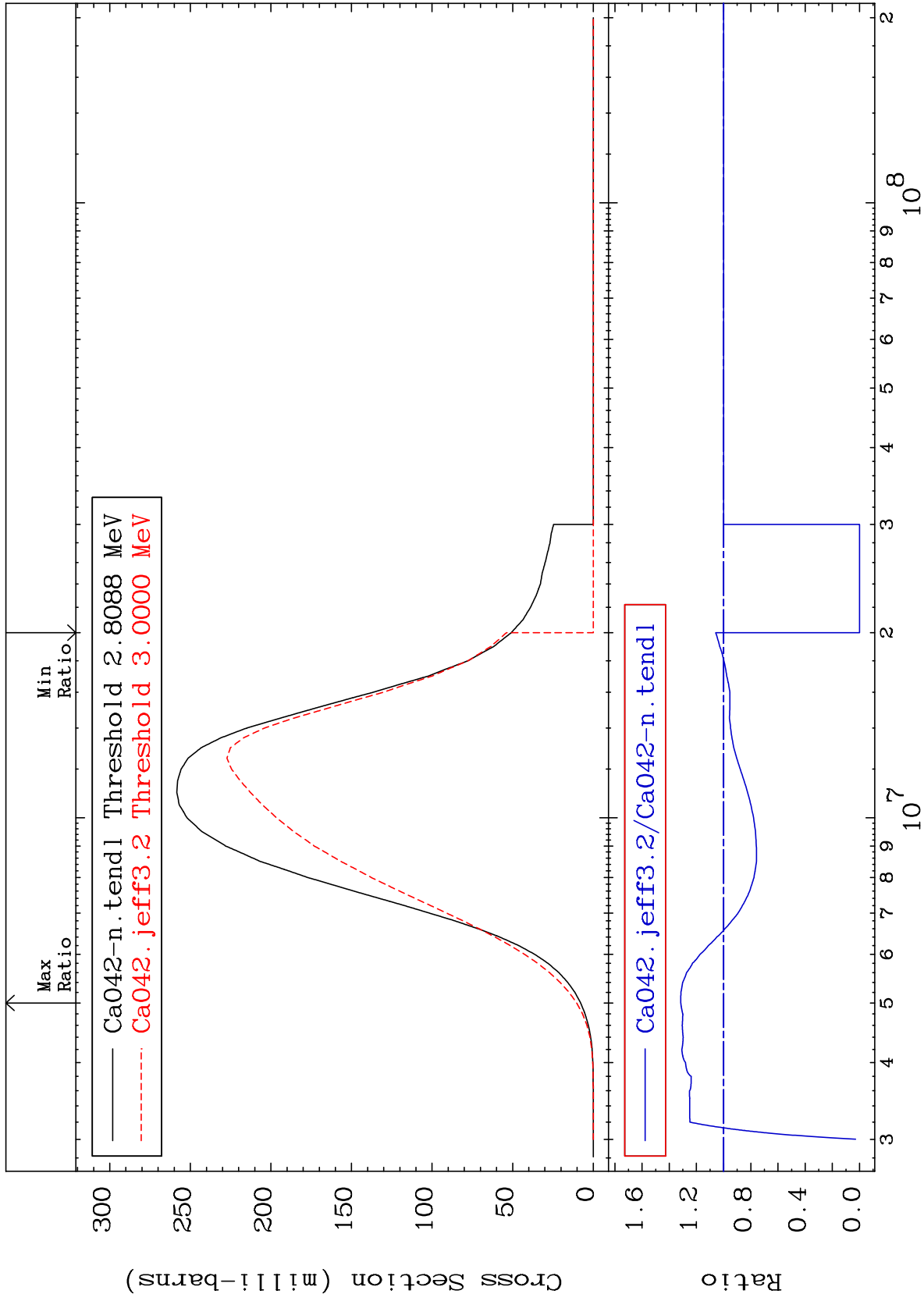
MAT 2031

(n,p)

20-Ca-42

Cross Section

-100.0 To 31.52 %



32

20-Ca-42

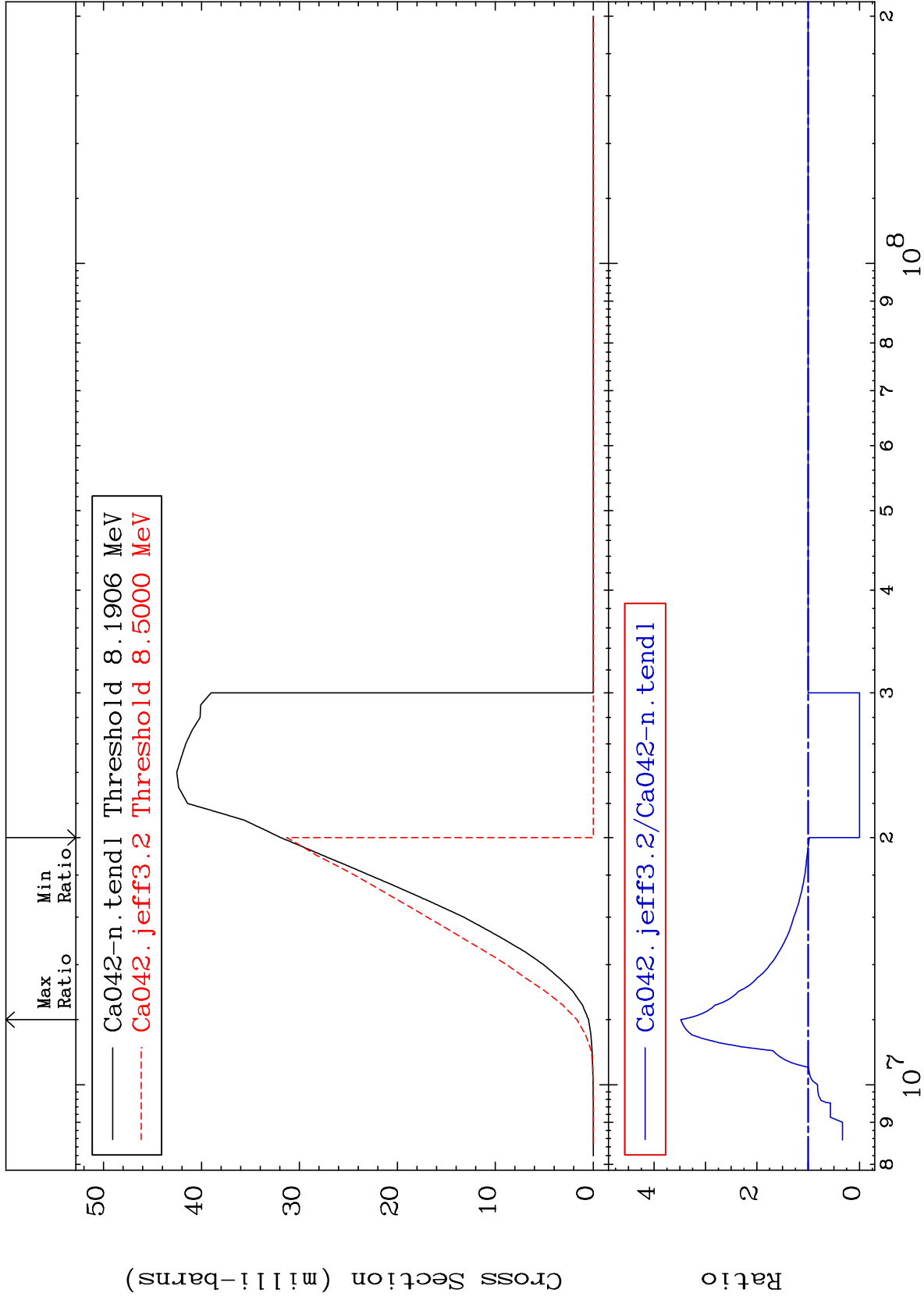
MAT 2031

(n, d)

²⁰Ca-42

Cross Section

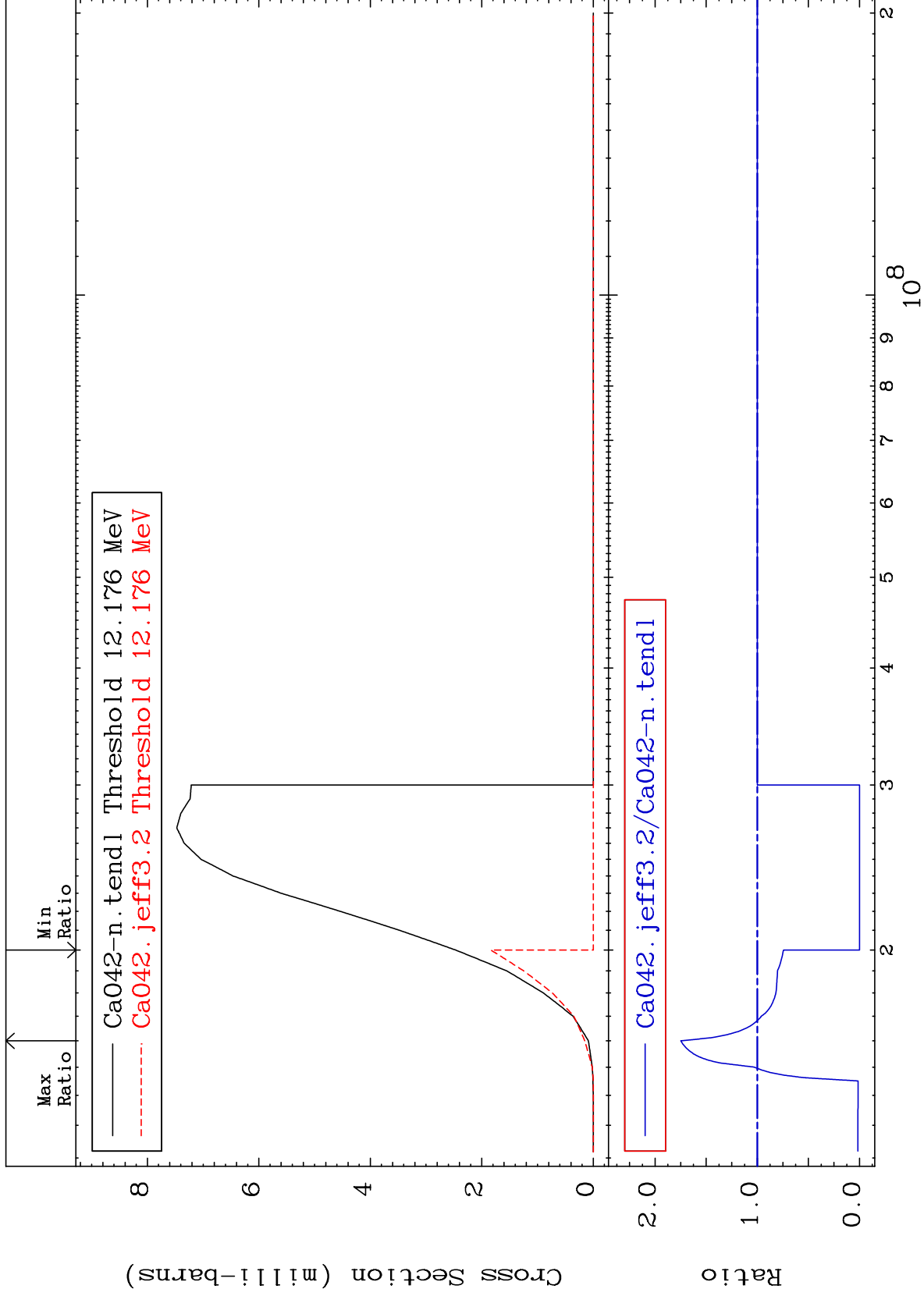
-100.0 To 248.2 %



MAT 2031

(n, t)
Cross Section

20-Ca-42
-100.0 To 74.90 %



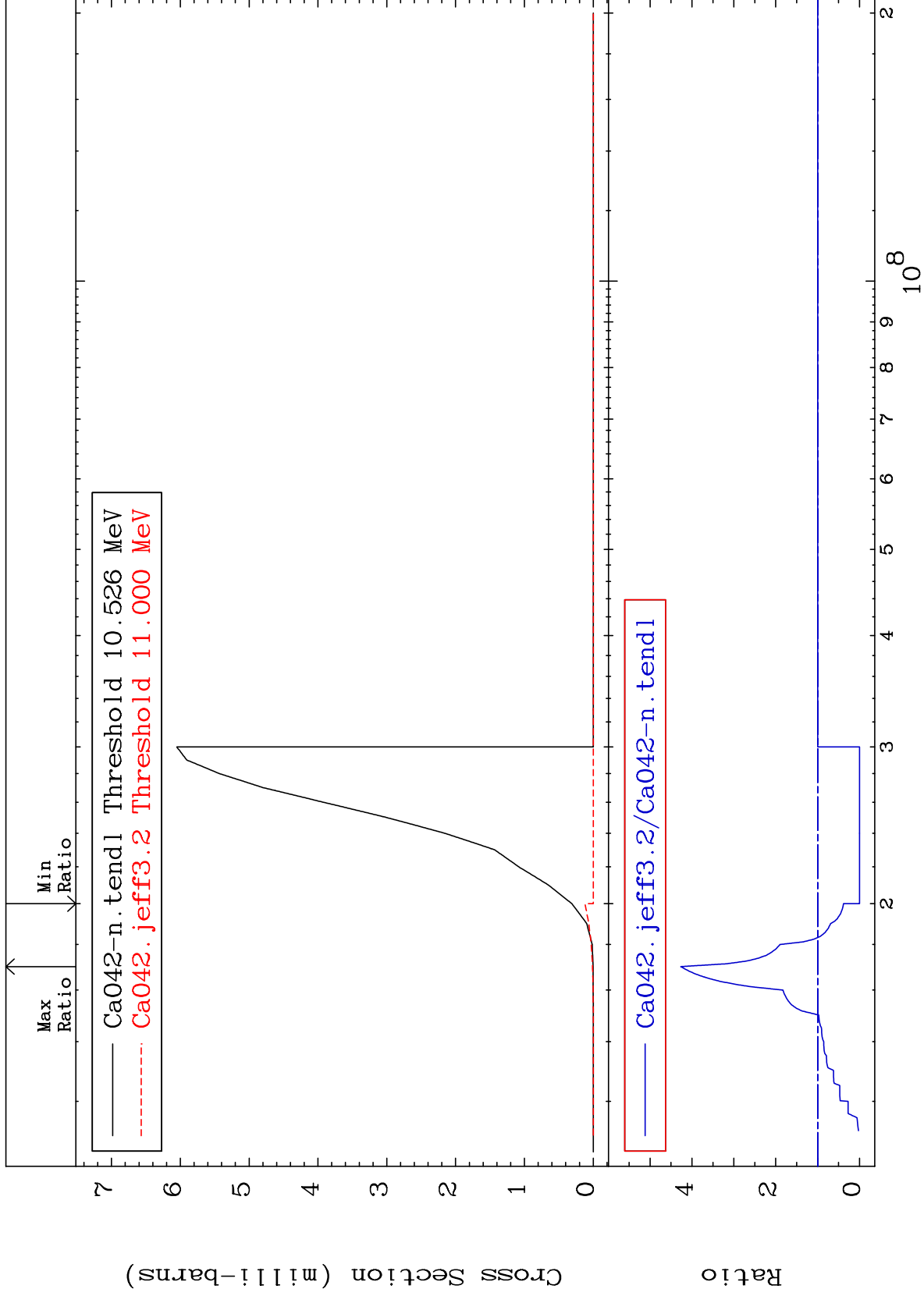
MAT 2031

(n, He-3)

20-Ca-42

Cross Section

-100.0 To 326.7 %



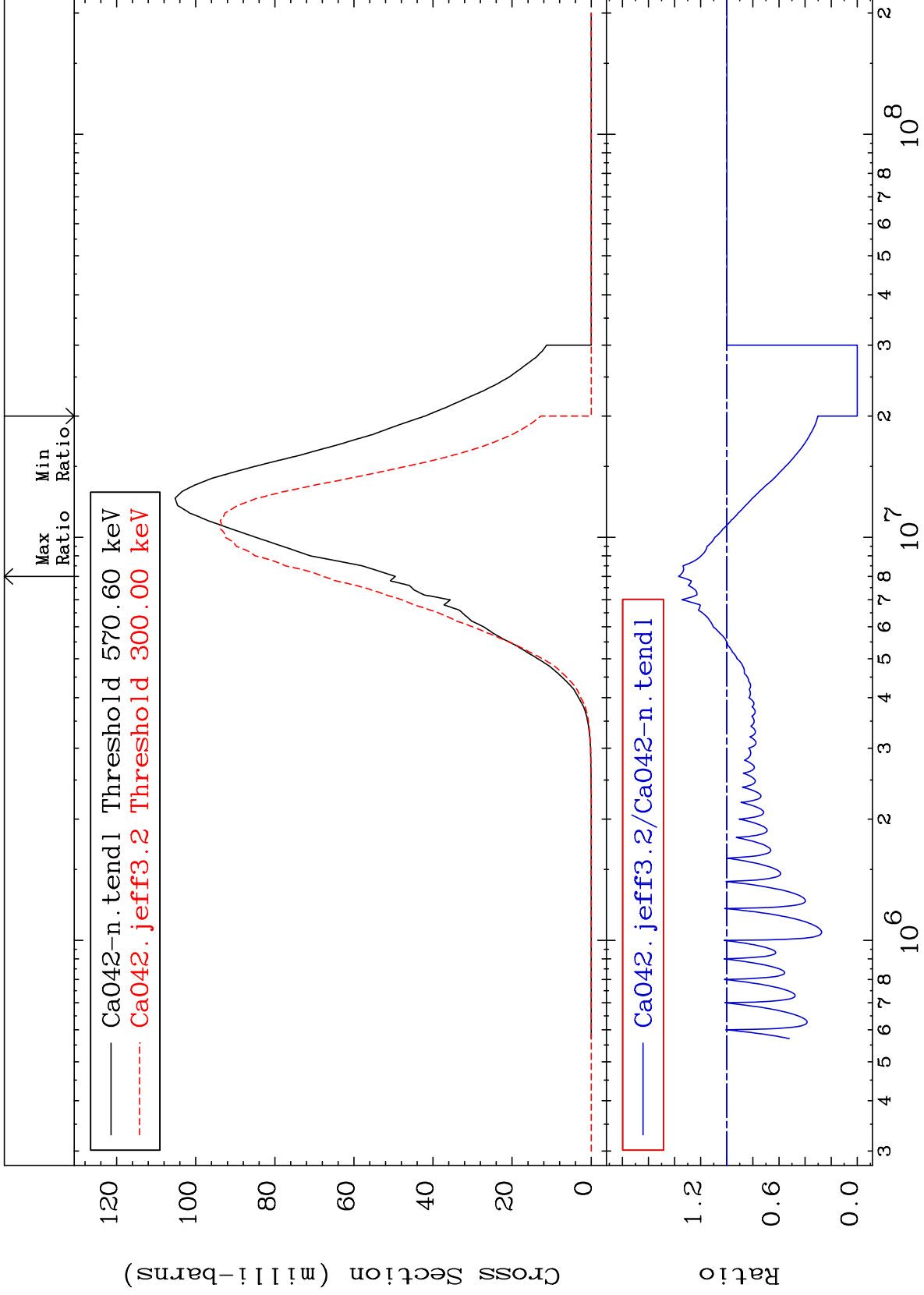
35

Incident Energy (eV)

20-Ca-42

MAT 2031

(n, α)
Cross Section
-100.0 To 36.91 %
20-Ca-42



36

Incident Energy (eV)

20-Ca-42

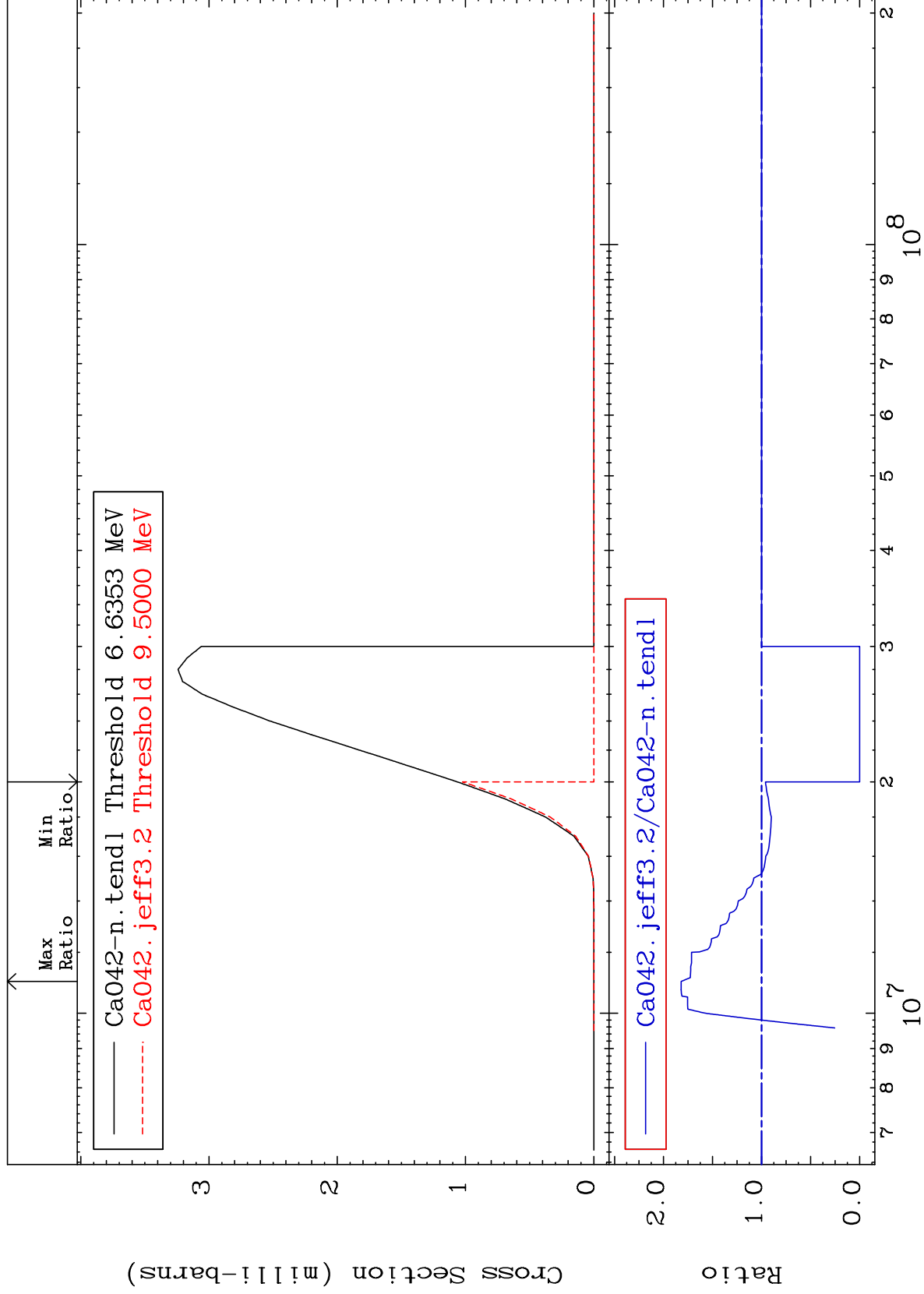
MAT 2031

(n,2α)

20-Ca-42

Cross Section

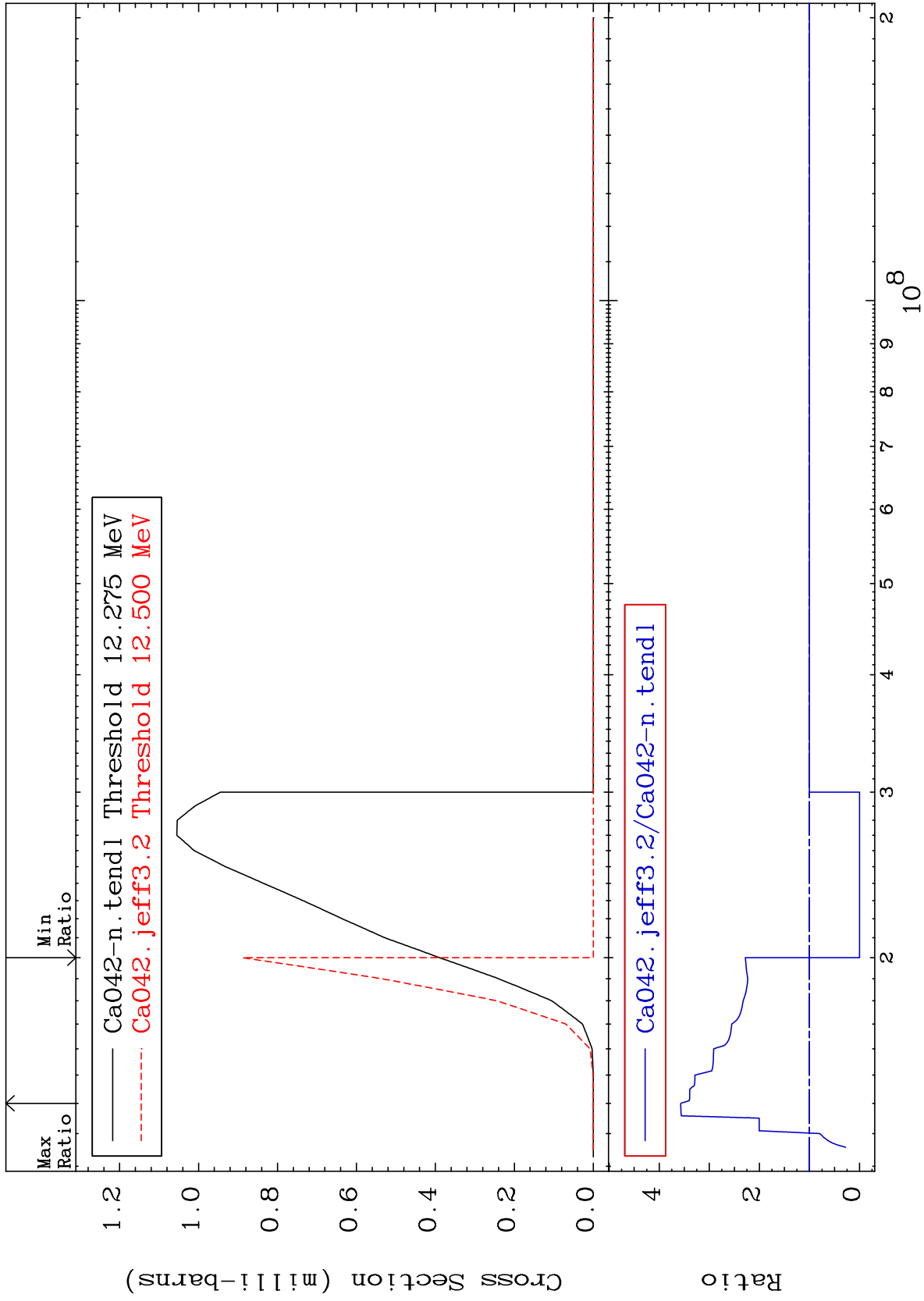
-100.0 To 82.02 %



37

Cross Section

-100.0 To 257.0 %



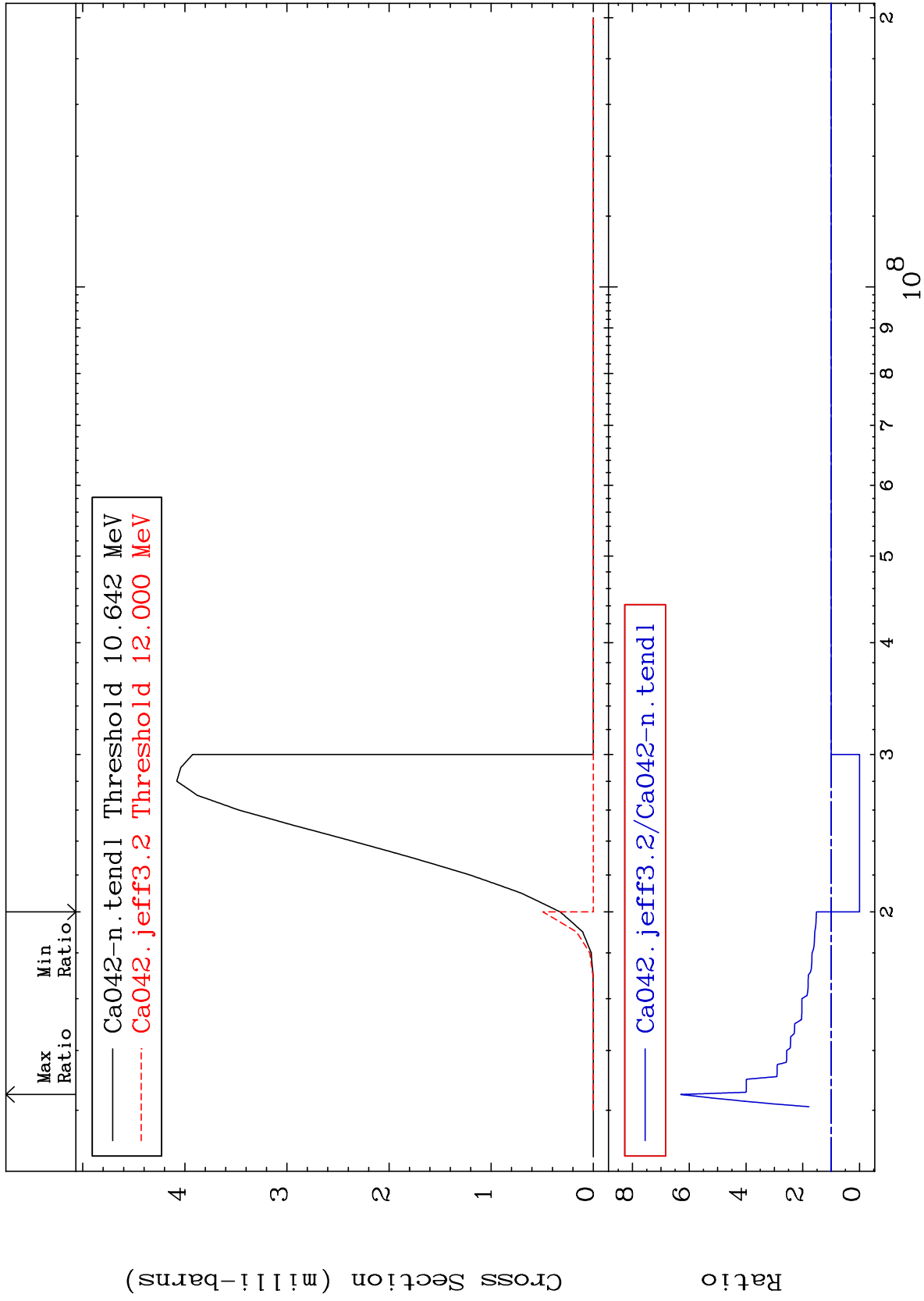
MAT 2031

(n, p) α

20-Ca-42

Cross Section

-100.0 To 529.9 %



39

20-Ca-42

20-Ca-42

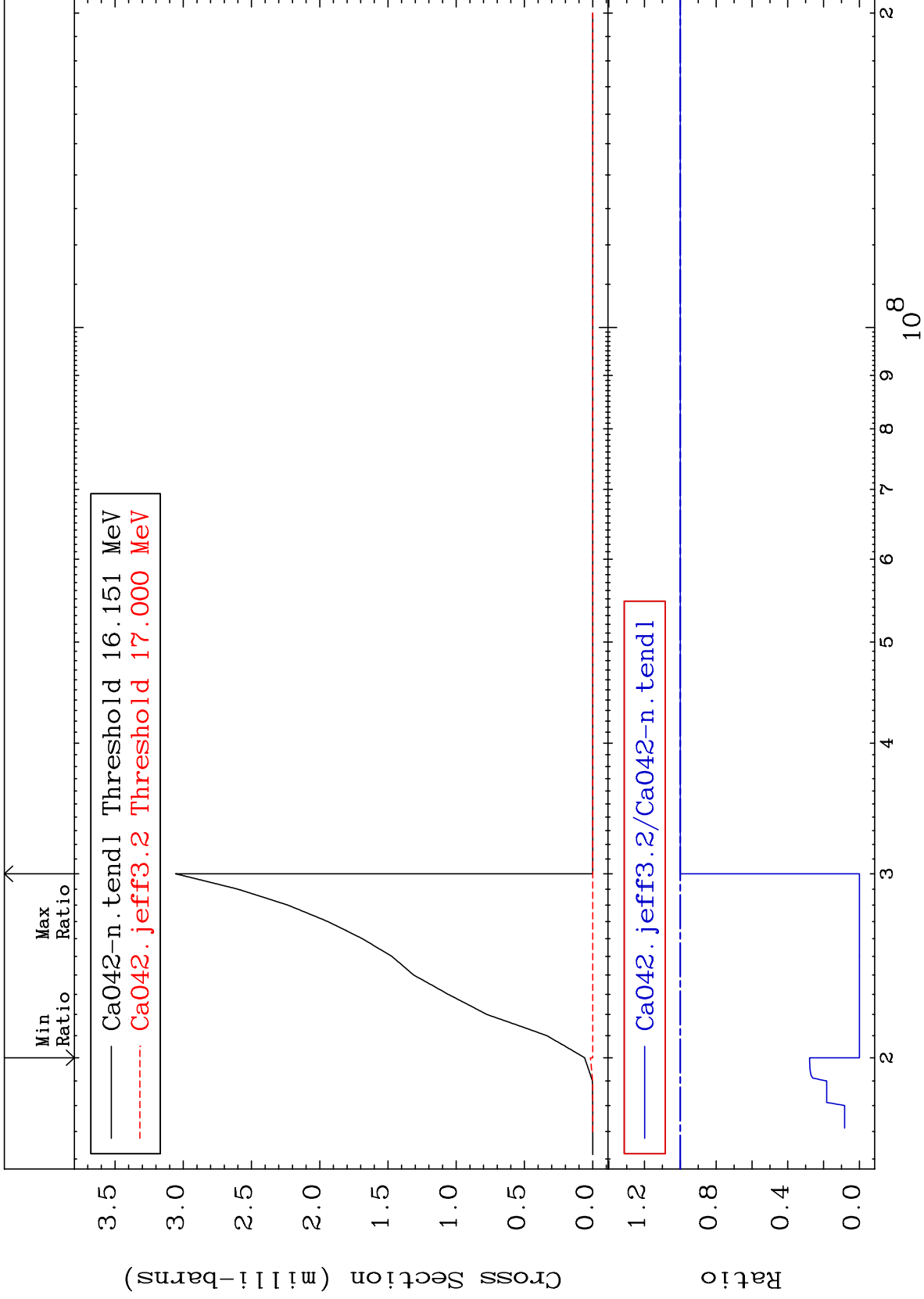
MAT 2031

(n,p) d

20-Ca-42

Cross Section

-100.0 To 0.000 %



40

20-Ca-42

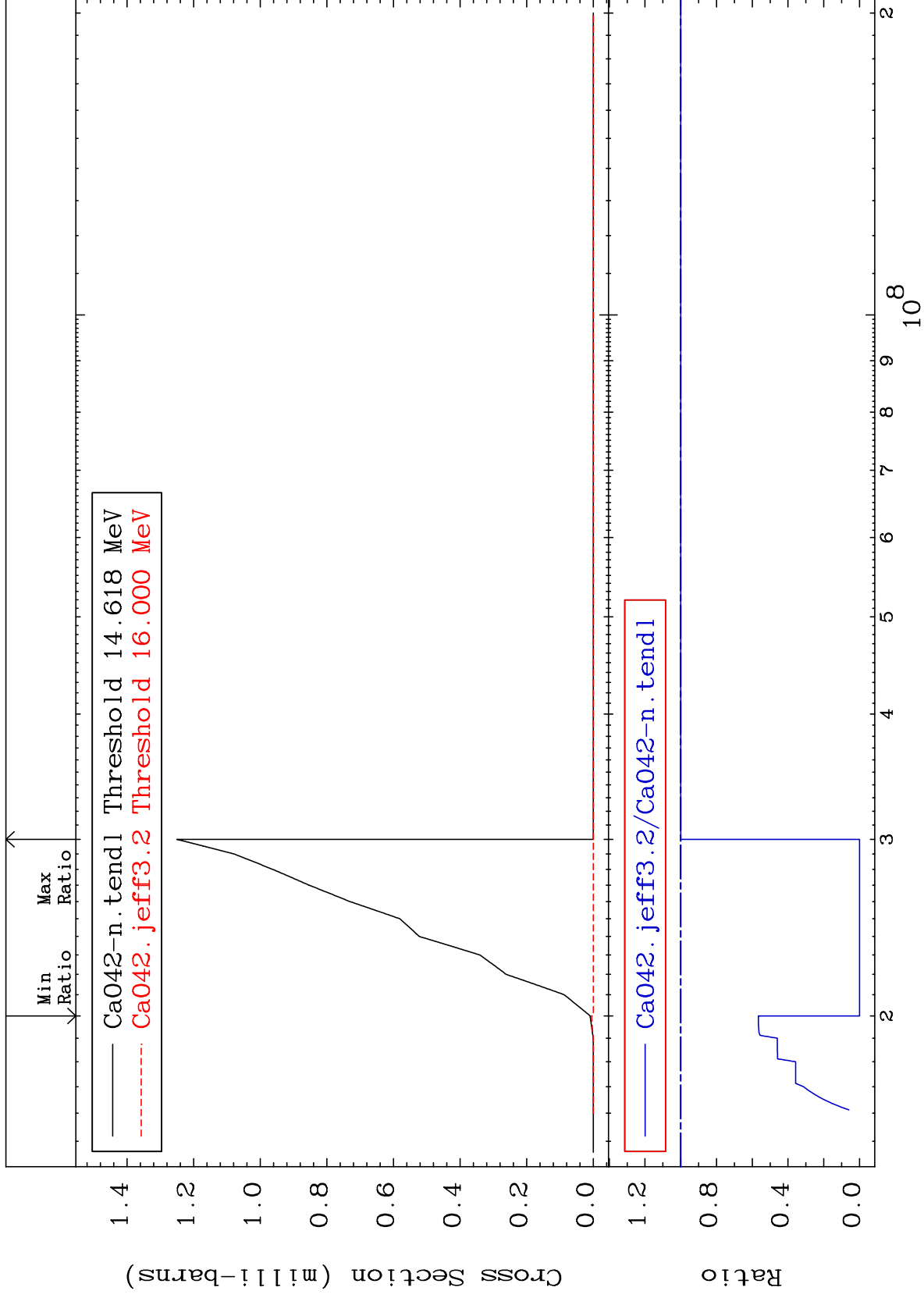
MAT 2031

(n, d) α

20-Ca-42

Cross Section

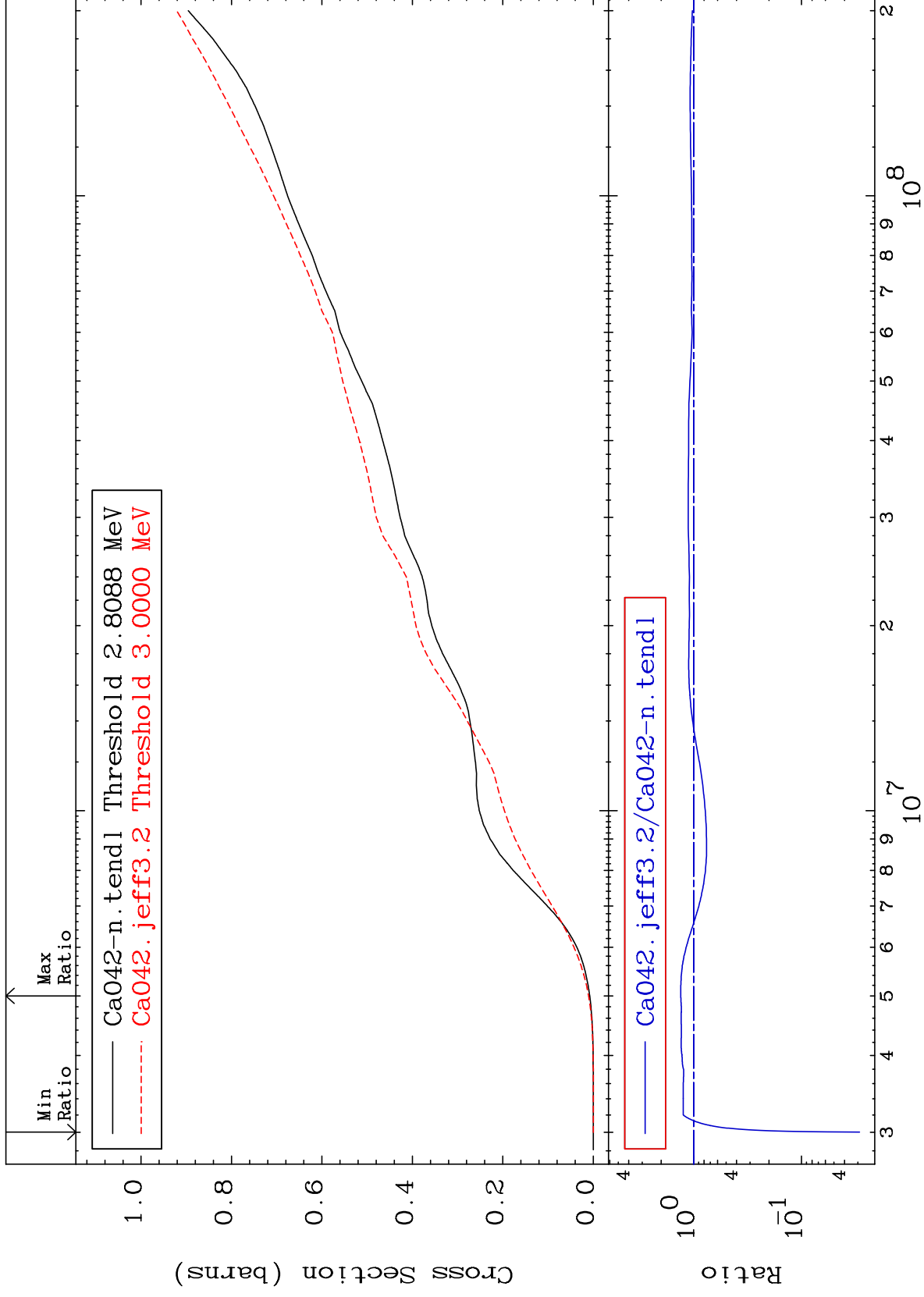
-100.0 To 0.000 %



MAT 2031

Hydrogen Production
Cross Section

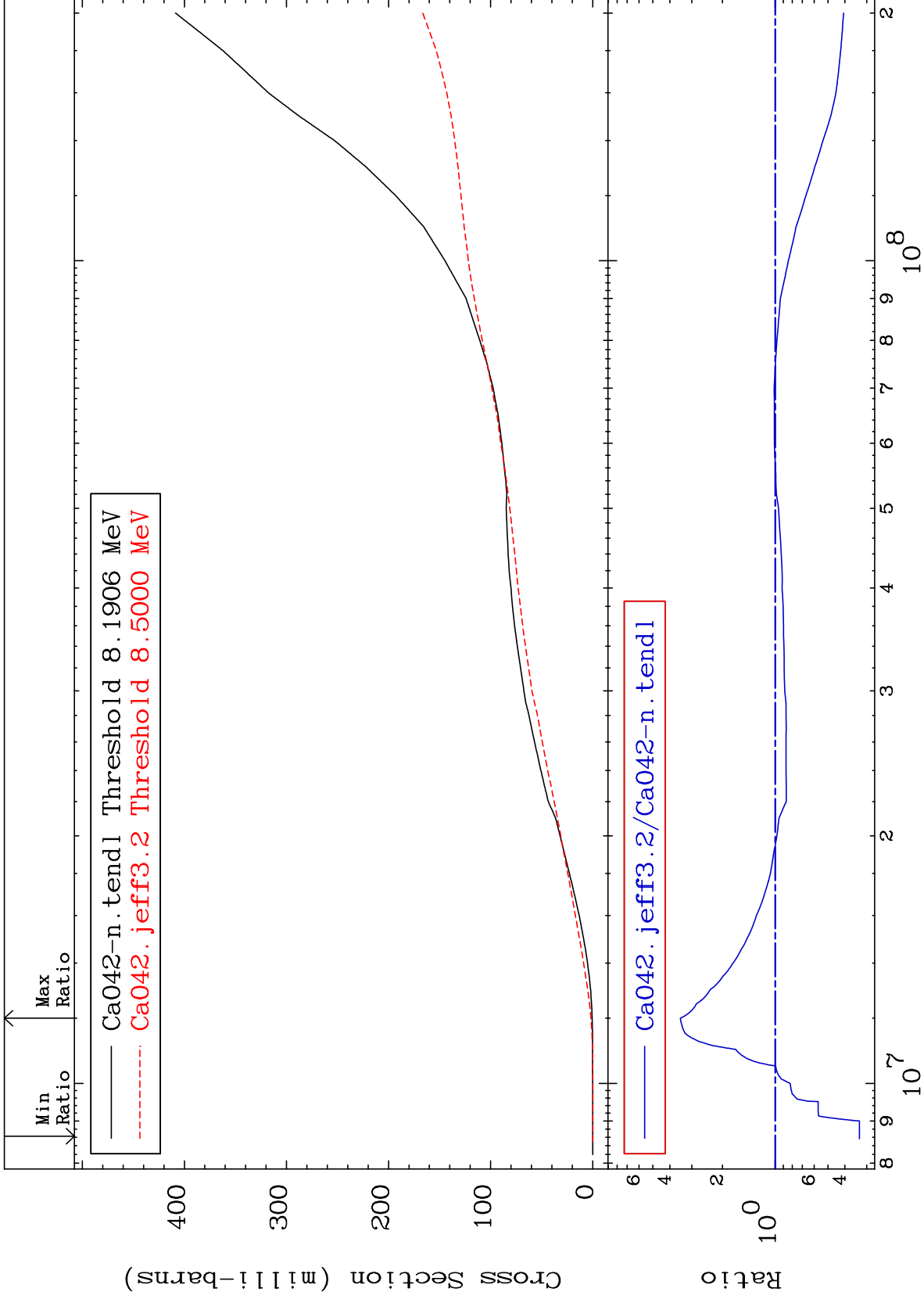
20-Ca-42
-97.10 To 31.52 %

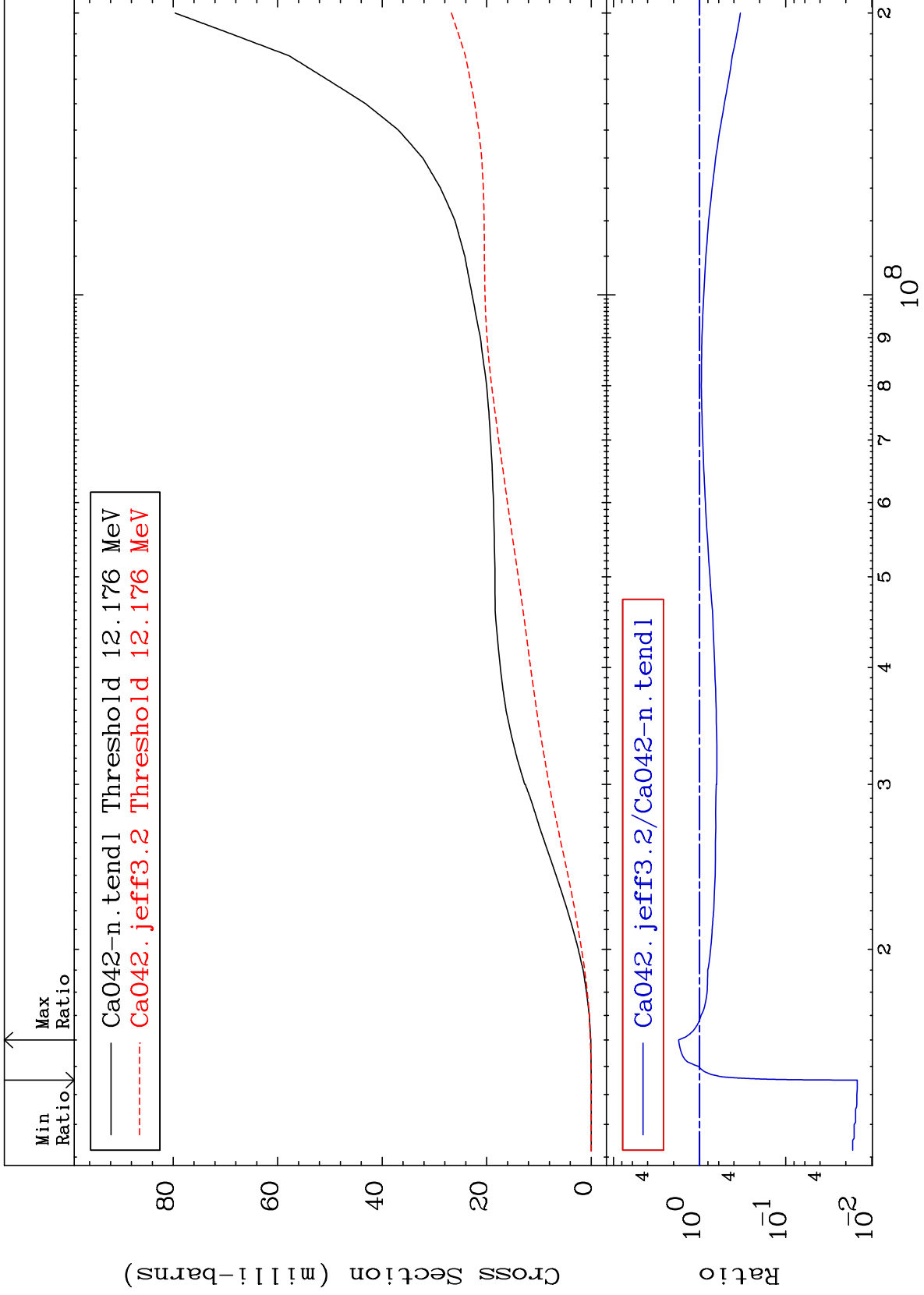


MAT 2031

Deuterium Production
Cross Section

²⁰Ca-42
-66.95 To 248.2 %

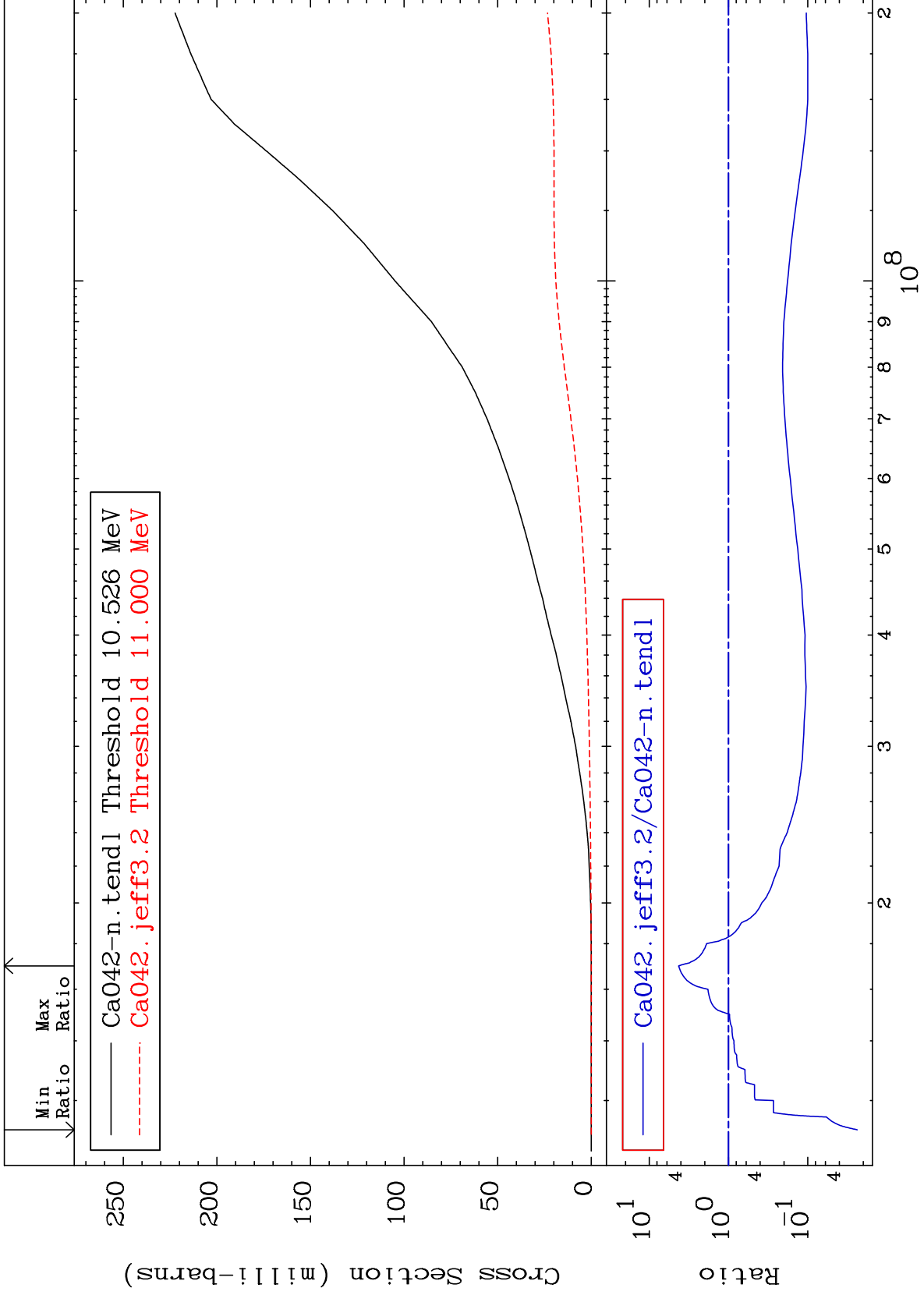




MAT 2031

He-3 Production
Cross Section

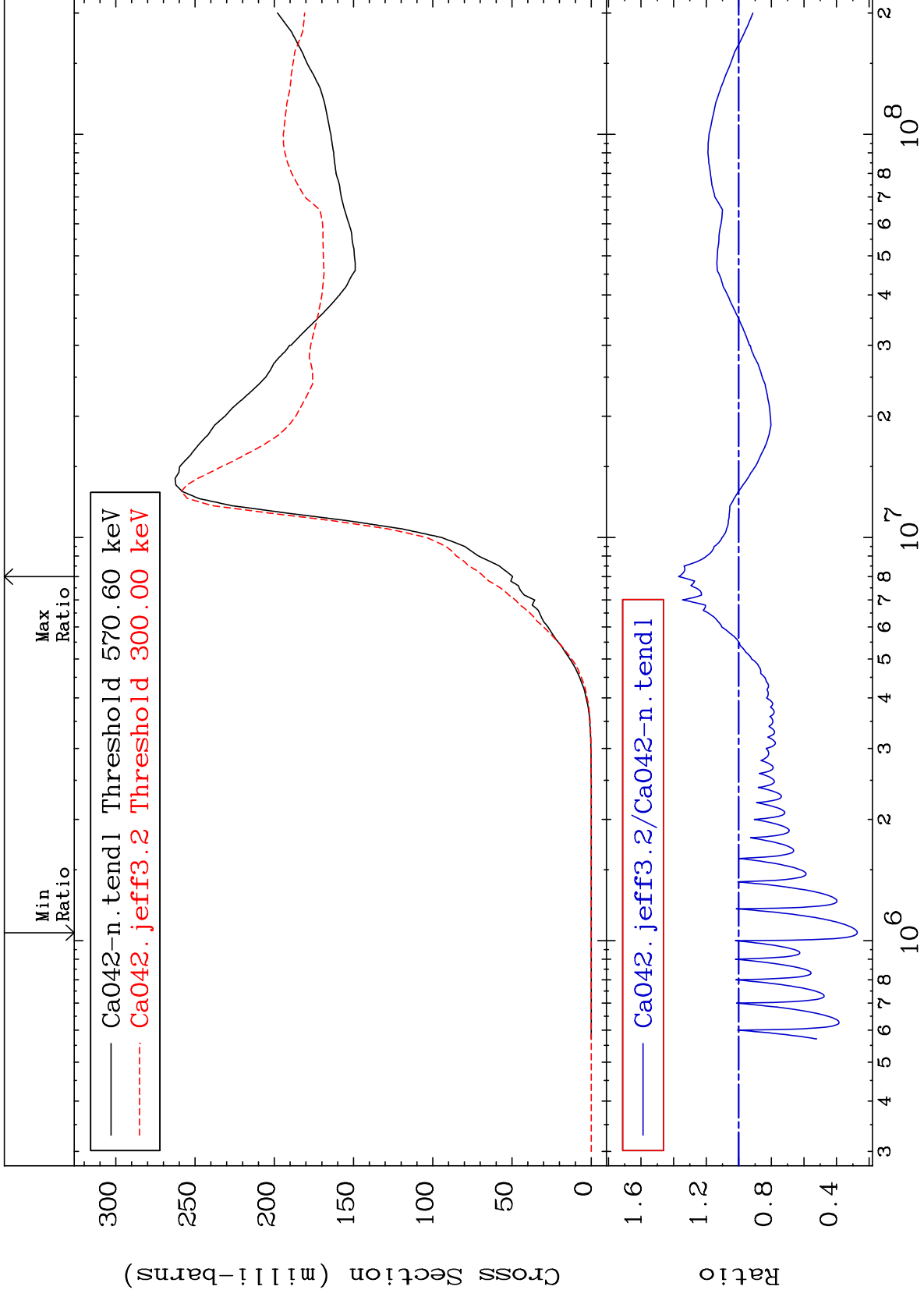
20-Ca-42
-97.62 To 326.7 %



MAT 2031

He-4 Production
Cross Section

20-Ca-42
-72.70 To 36.91 %



46

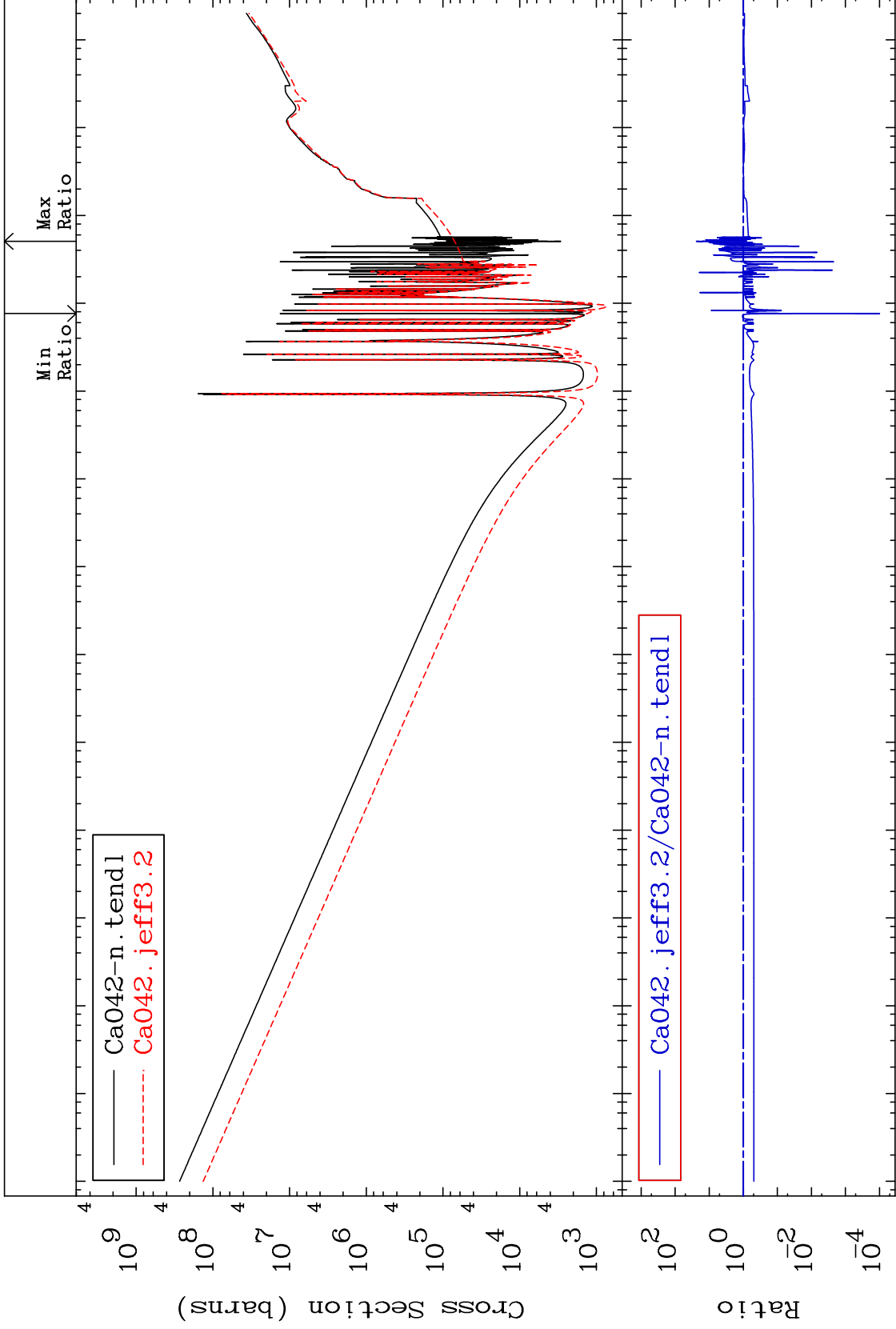
Incident Energy (eV)

20-Ca-42

MAT 2031

Kerma total (eV-barns)
Cross Section

20-Ca-42
-99.99 To 2303. %



47

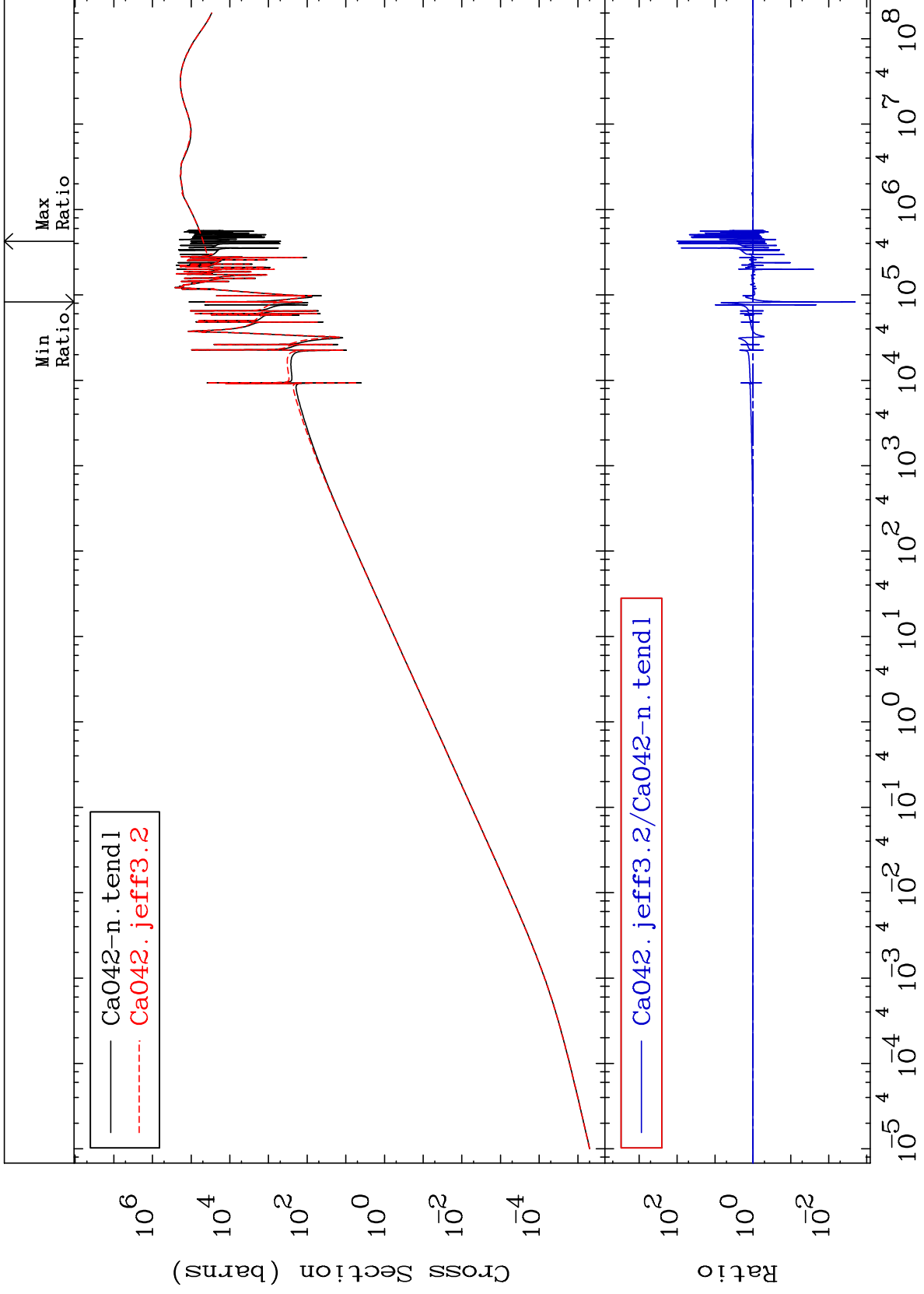
Incident Energy (eV)

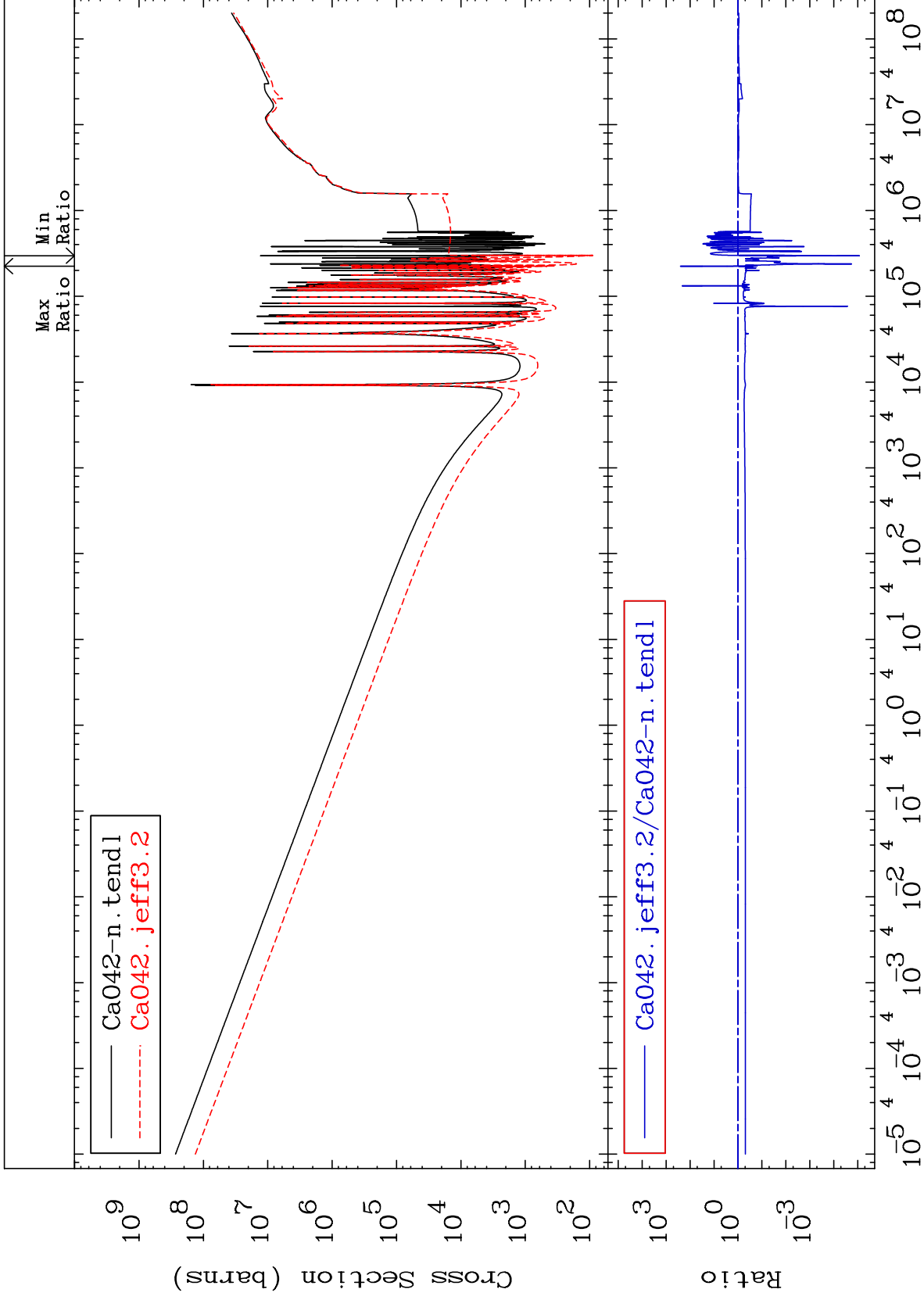
20-Ca-42

MAT 2031

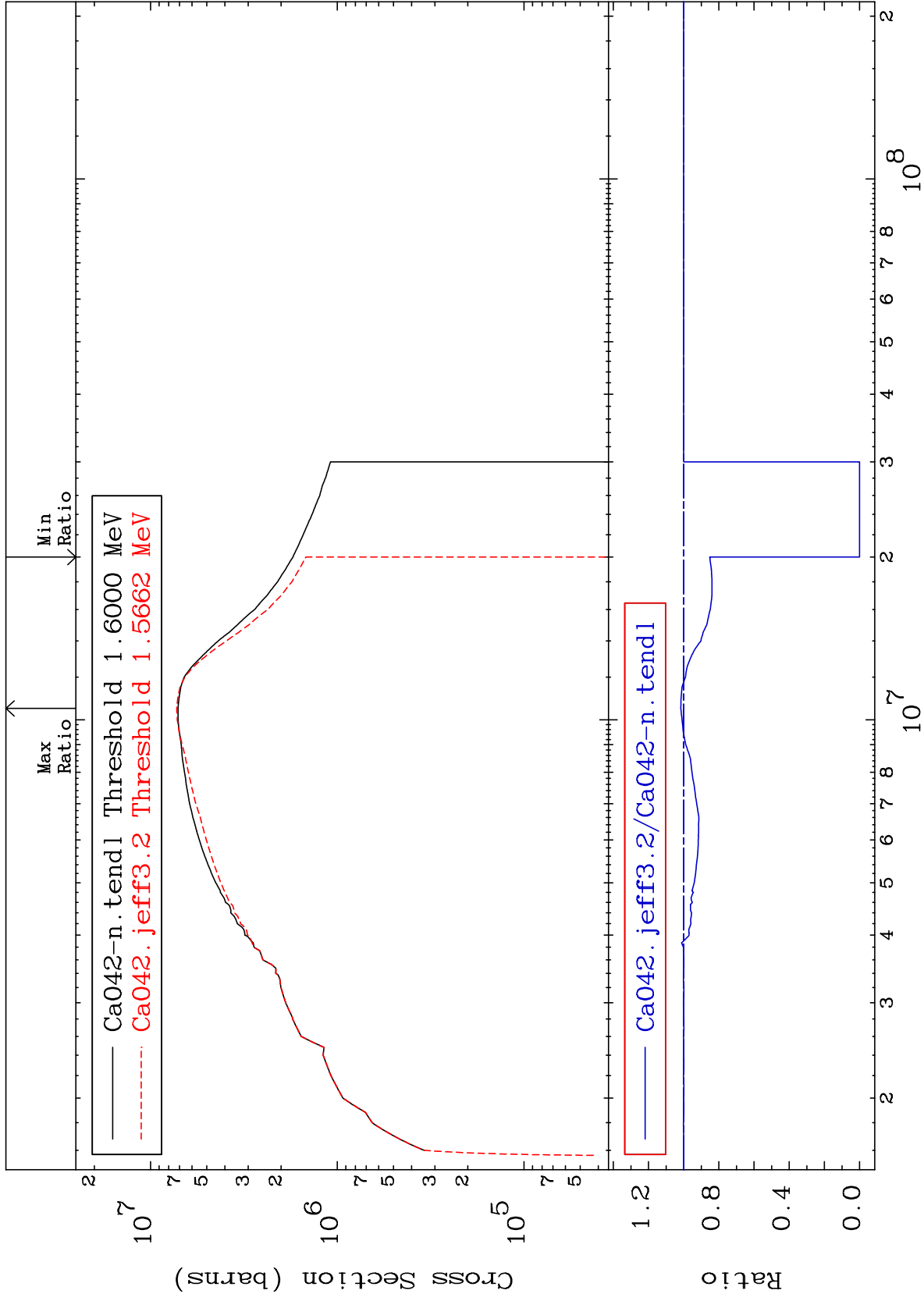
Kerma elastic
Cross Section

20-Ca-42
-99.80 To 9999. %





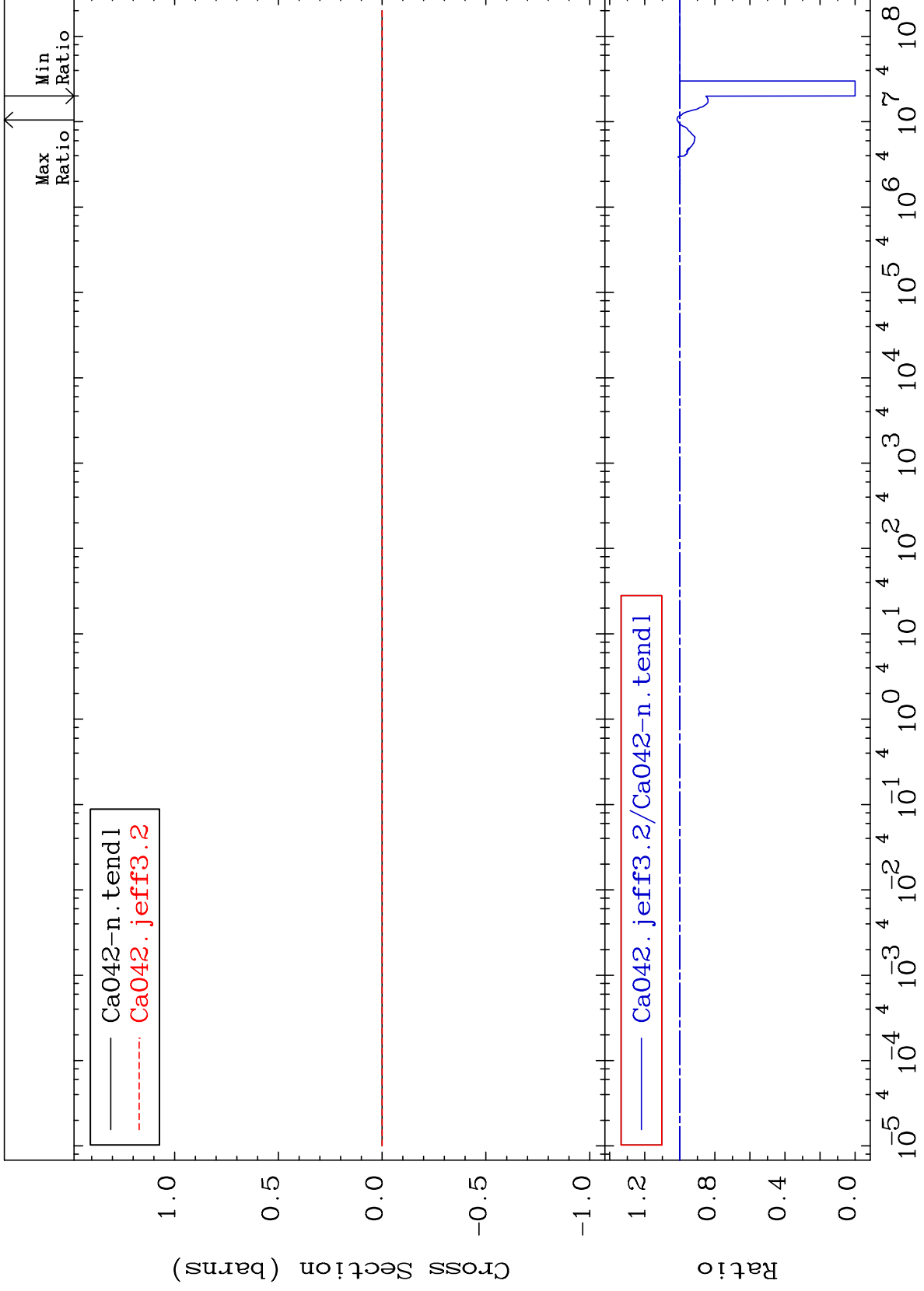
-100.0 To 1.671 %



MAT 2031

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

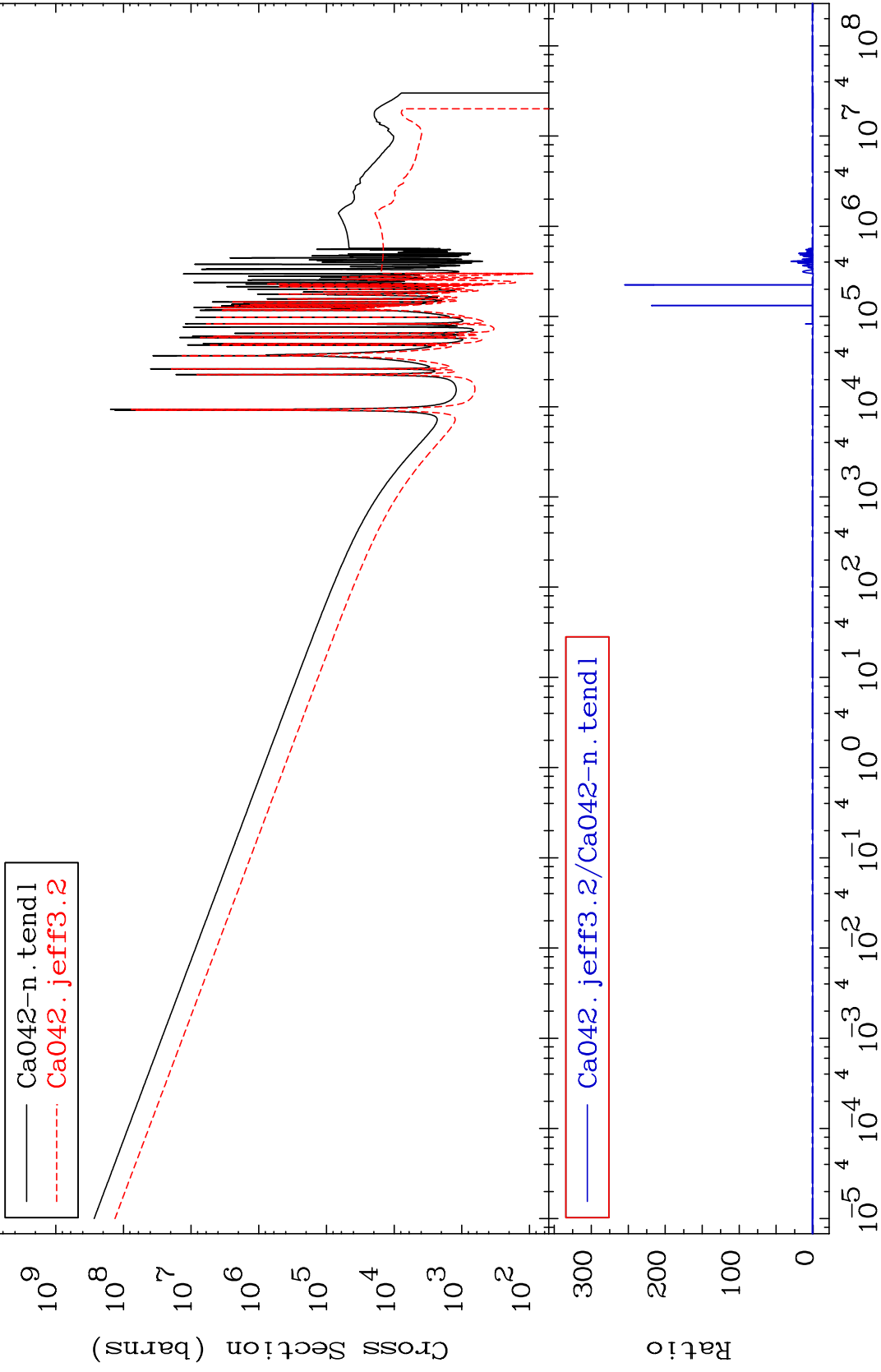
20-Ca-42
-100.0 To 1.671 %



MAT 2031

Kerma capture (mt102)
Cross Section

20-Ca-42
-100.0 To 9999. %



52

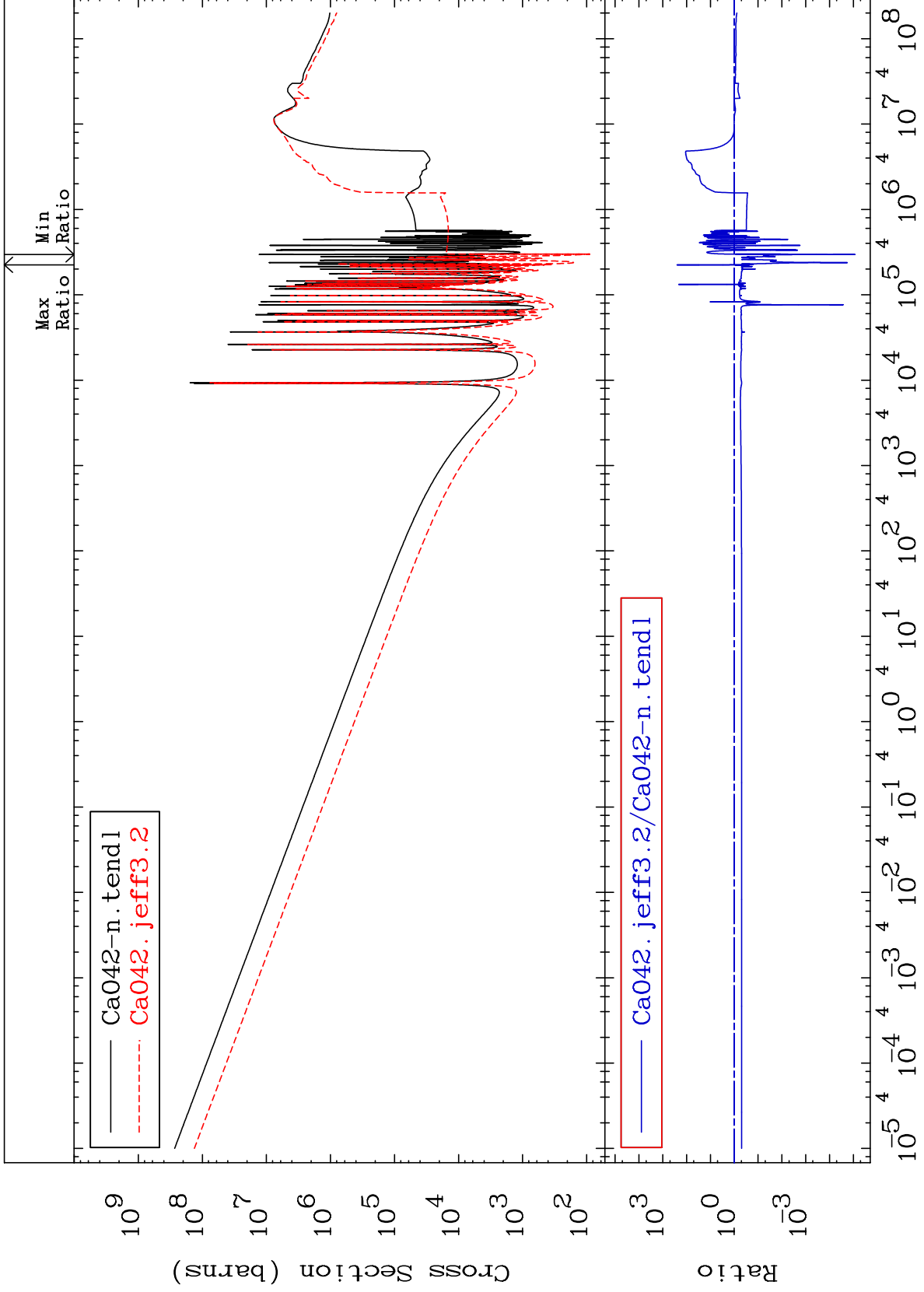
Incident Energy (eV)

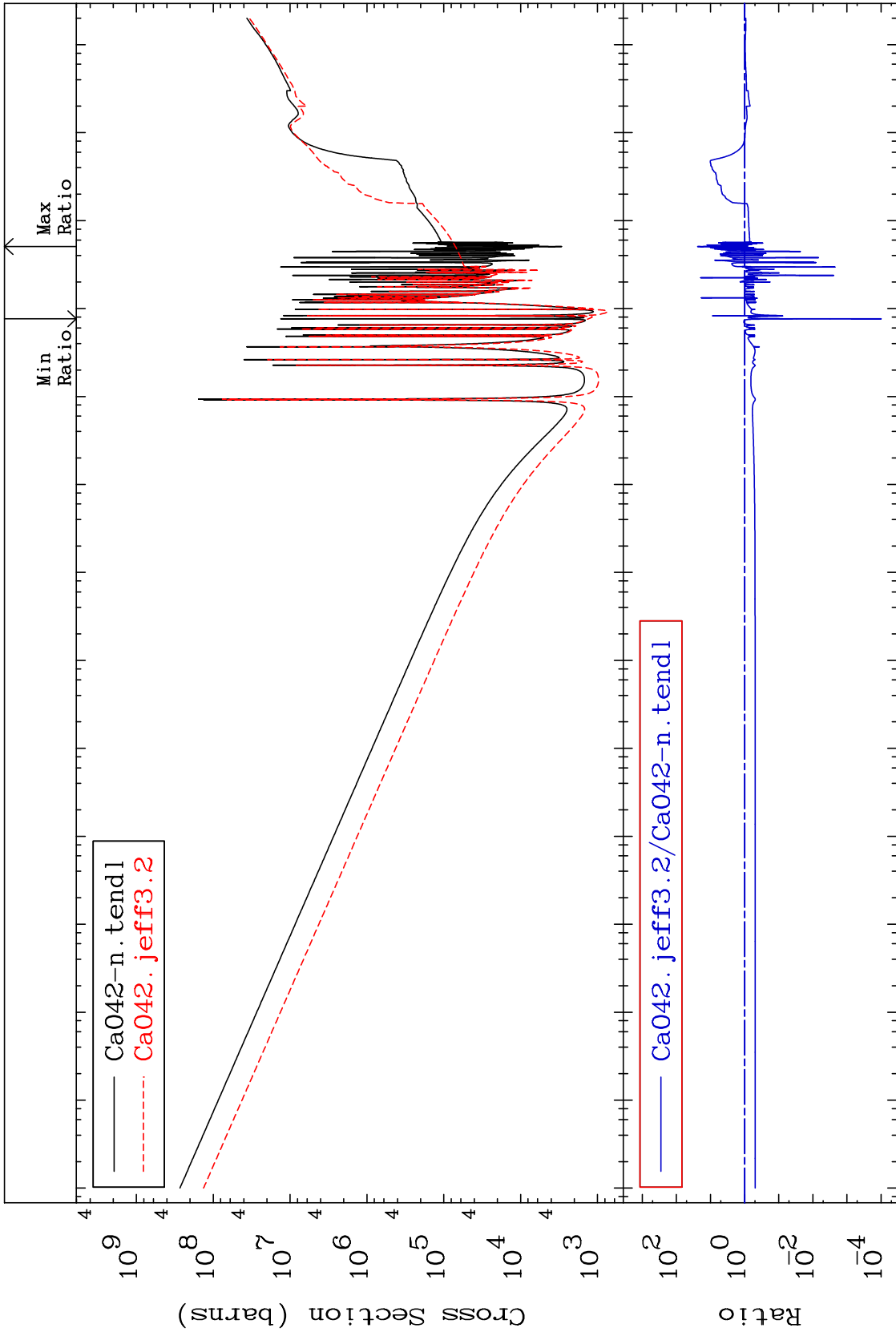
20-Ca-42

MAT 2031

Total photon (eV-barns)
Cross Section

20-Ca-42
-100.0 To 9999. %

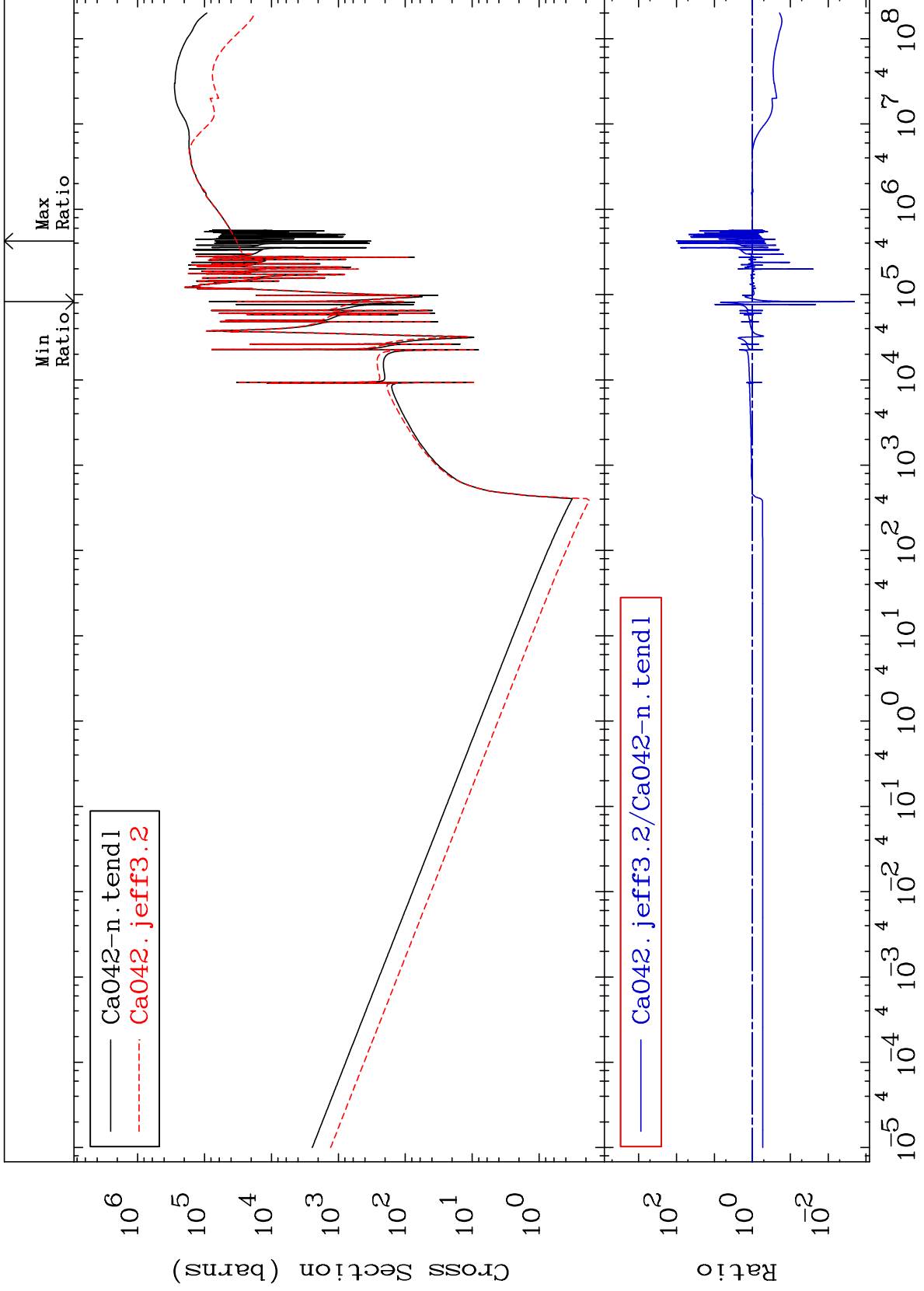


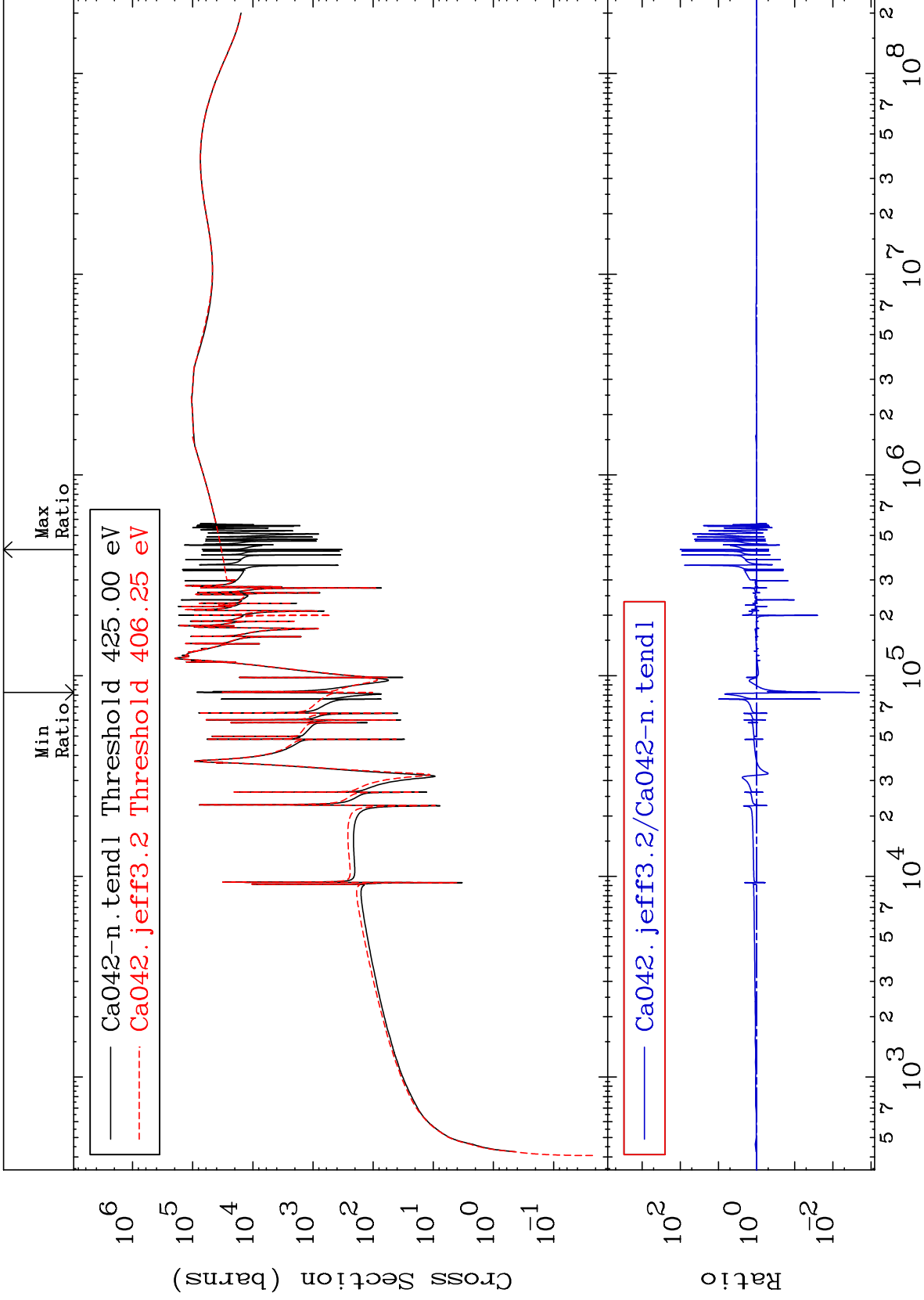


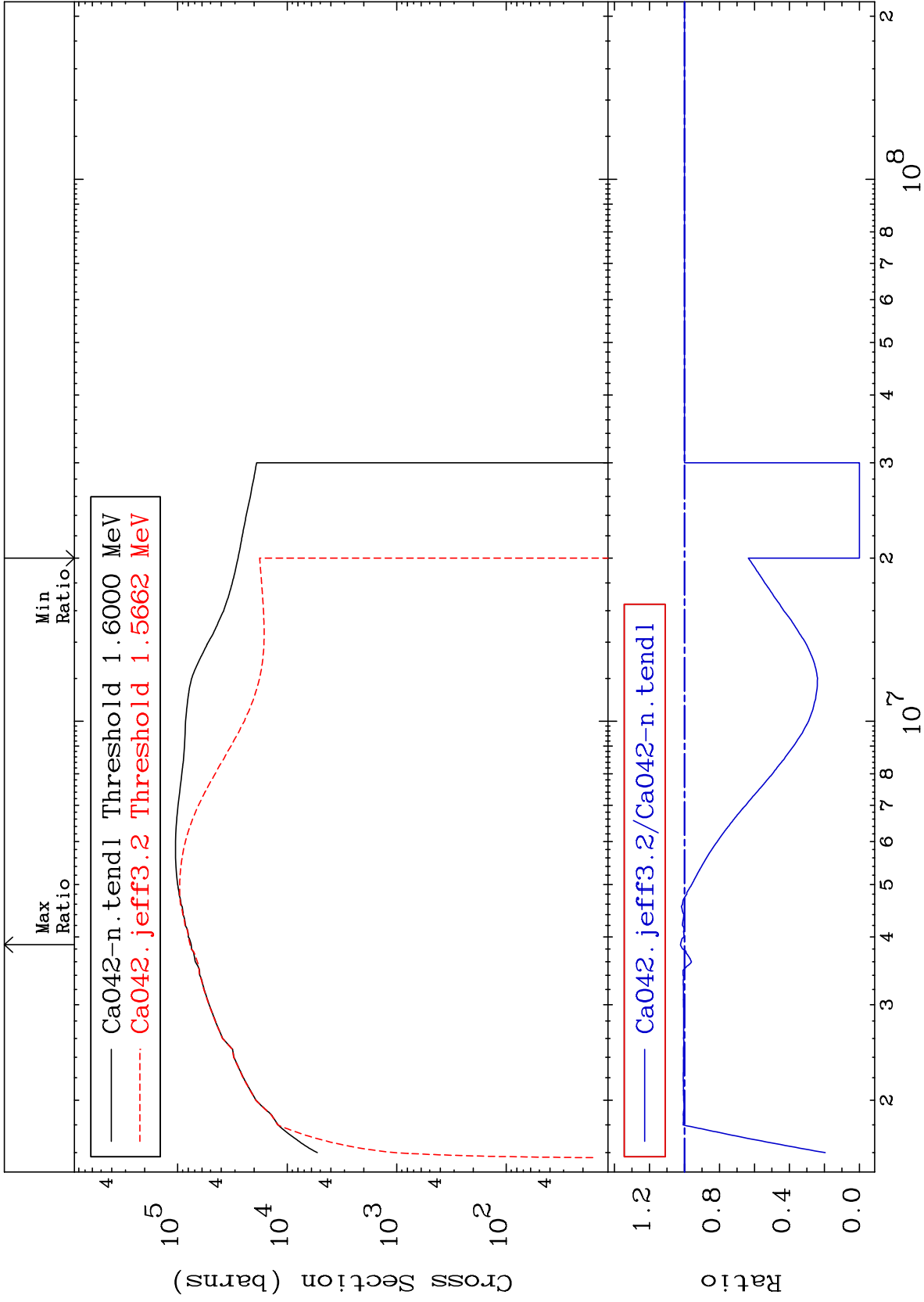
MAT 2031

Dpa total (eV-barns)
Cross Section

20-Ca-42
-99.80 To 9997. %



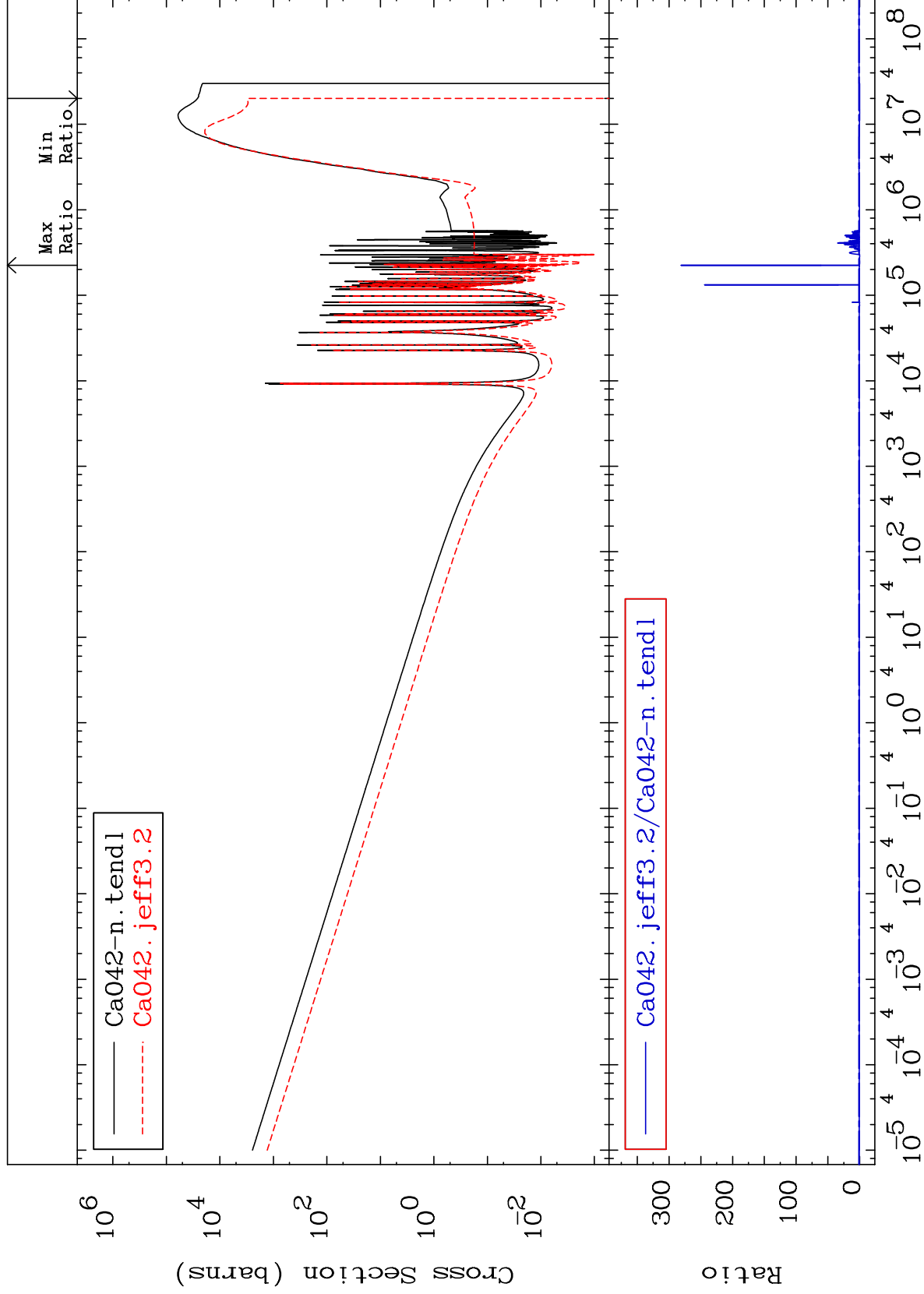




MAT 2031

Dpa disappearance (mt102 -120)
Cross Section

20-Ca-42
-100.0 To 9999. %



58

Incident Energy (eV)

20-Ca-42