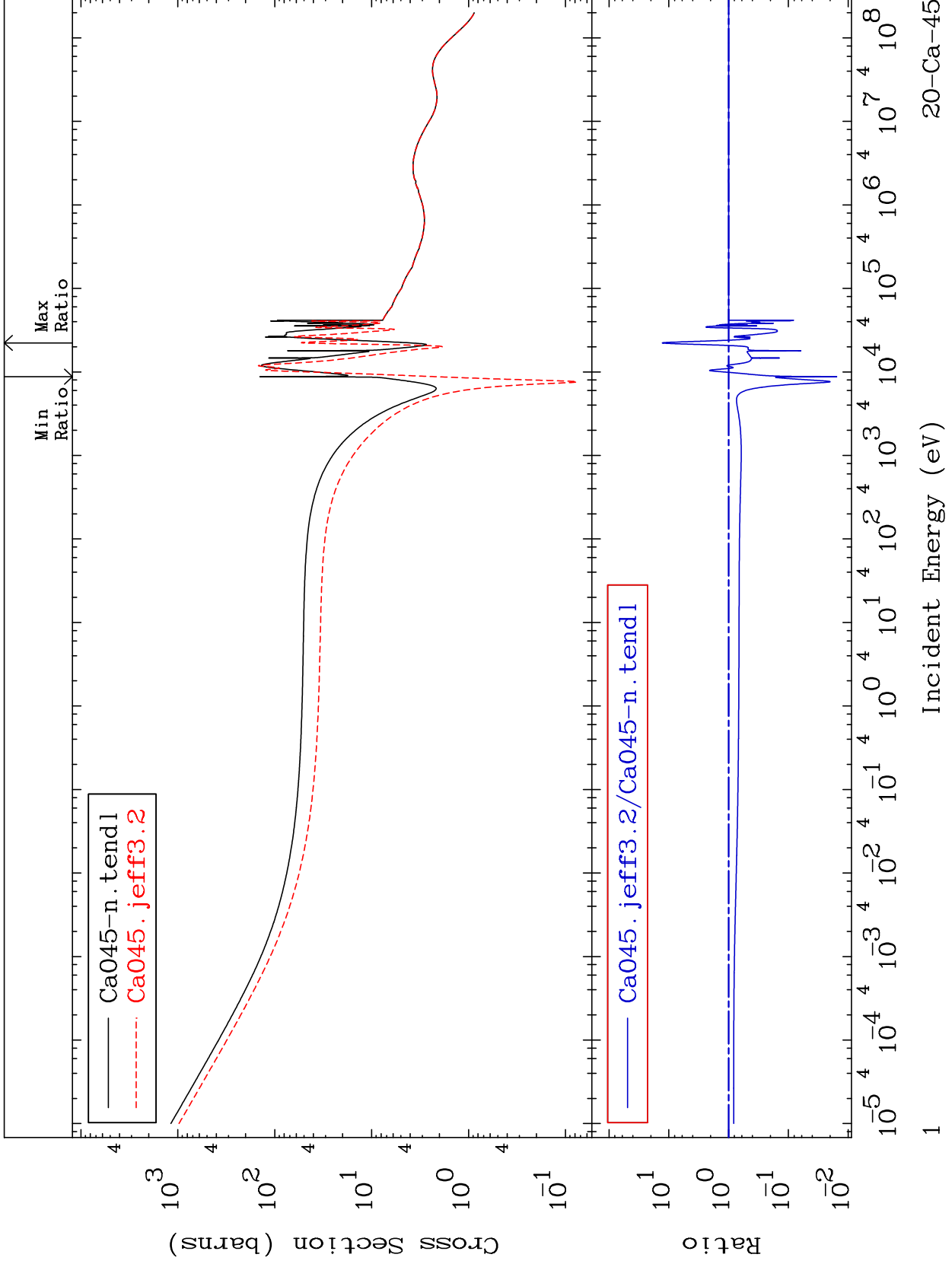


MAT 2040

Total
Cross Section

20-Ca-45
-98.44 To 1185. %



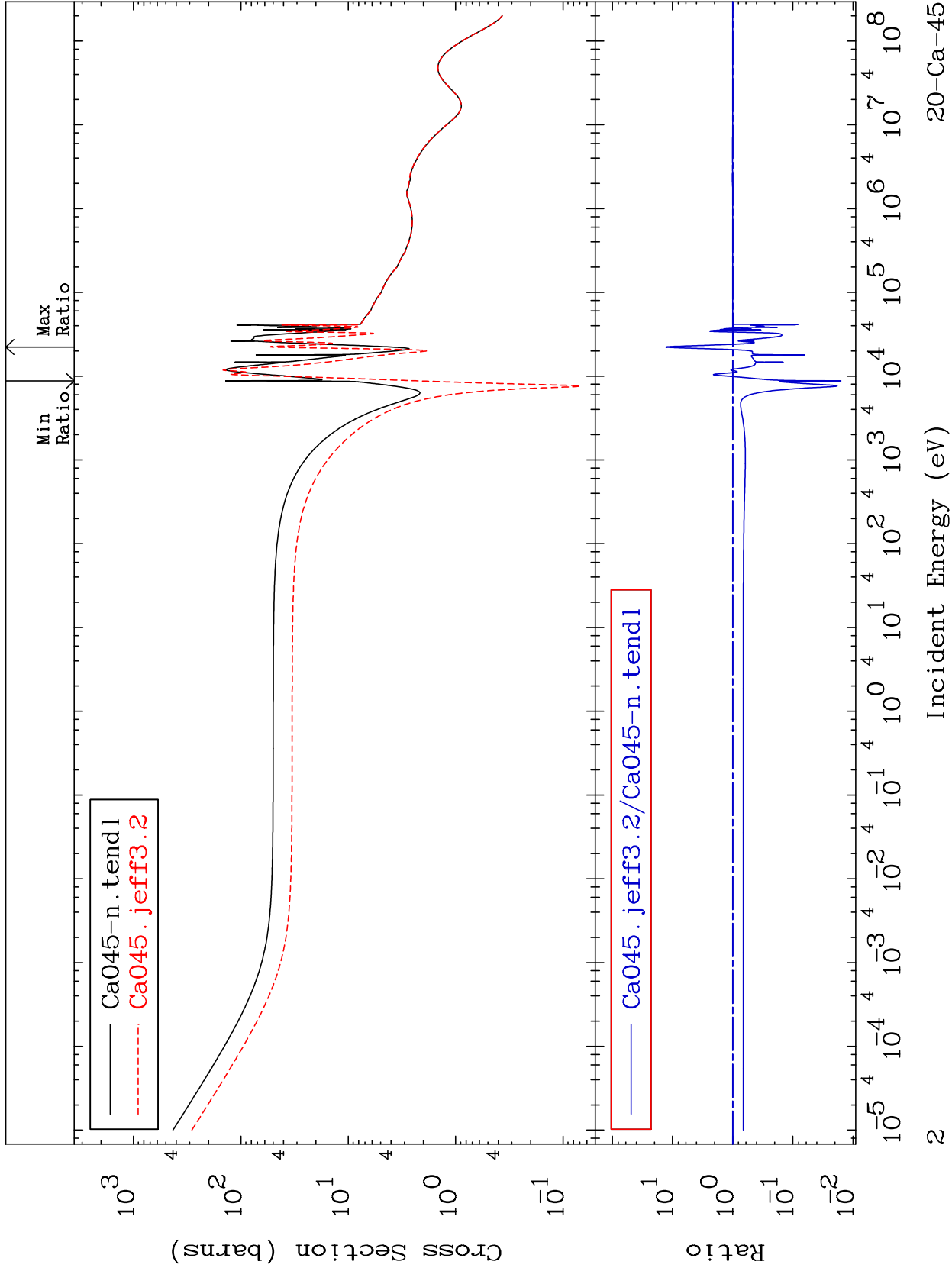
Incident Energy (eV)

20-Ca-45

MAT 2040

Elastic
Cross Section

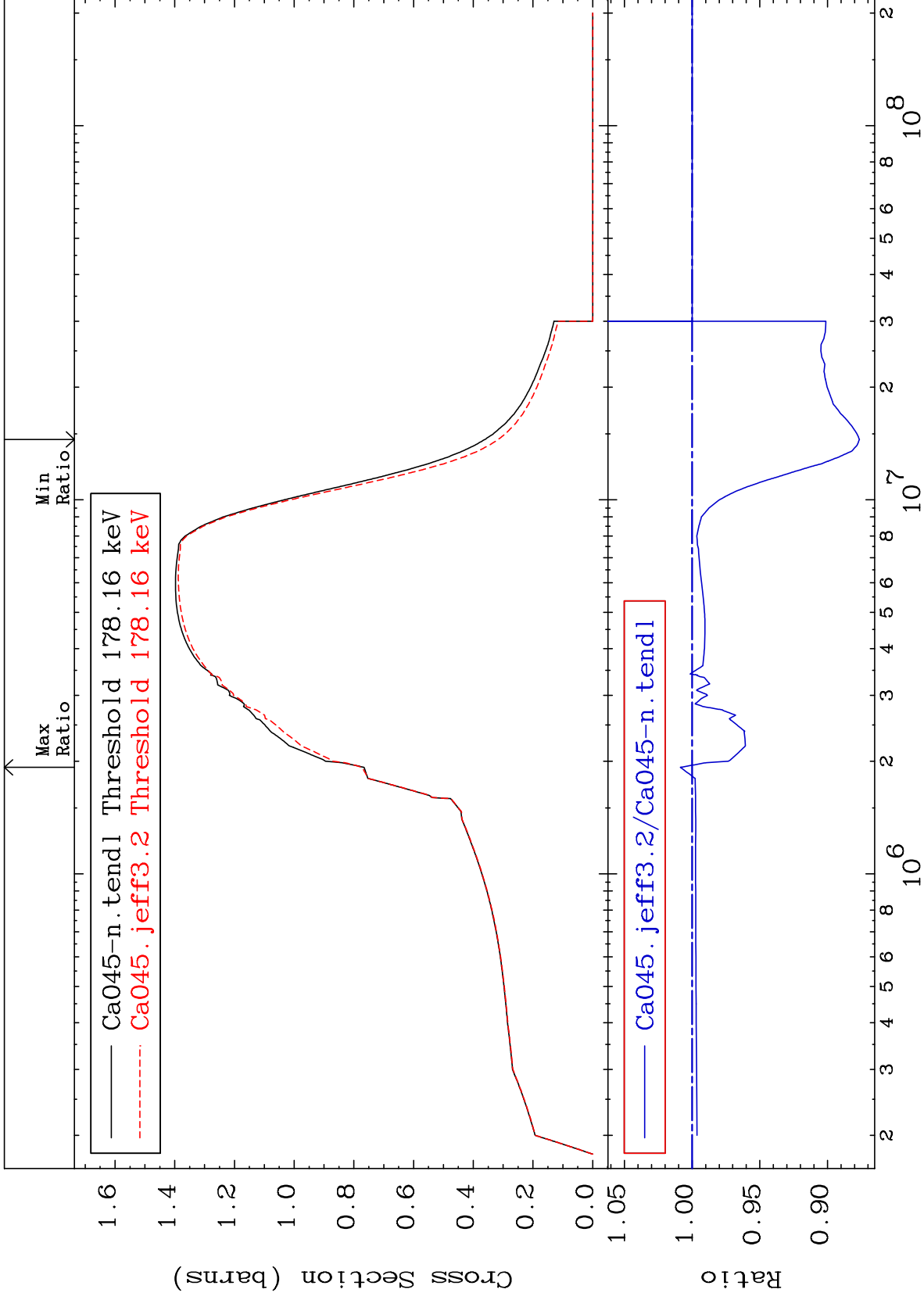
20-Ca-45
-98.41 To 1186. %



MAT 2040

Inelastic
Cross Section

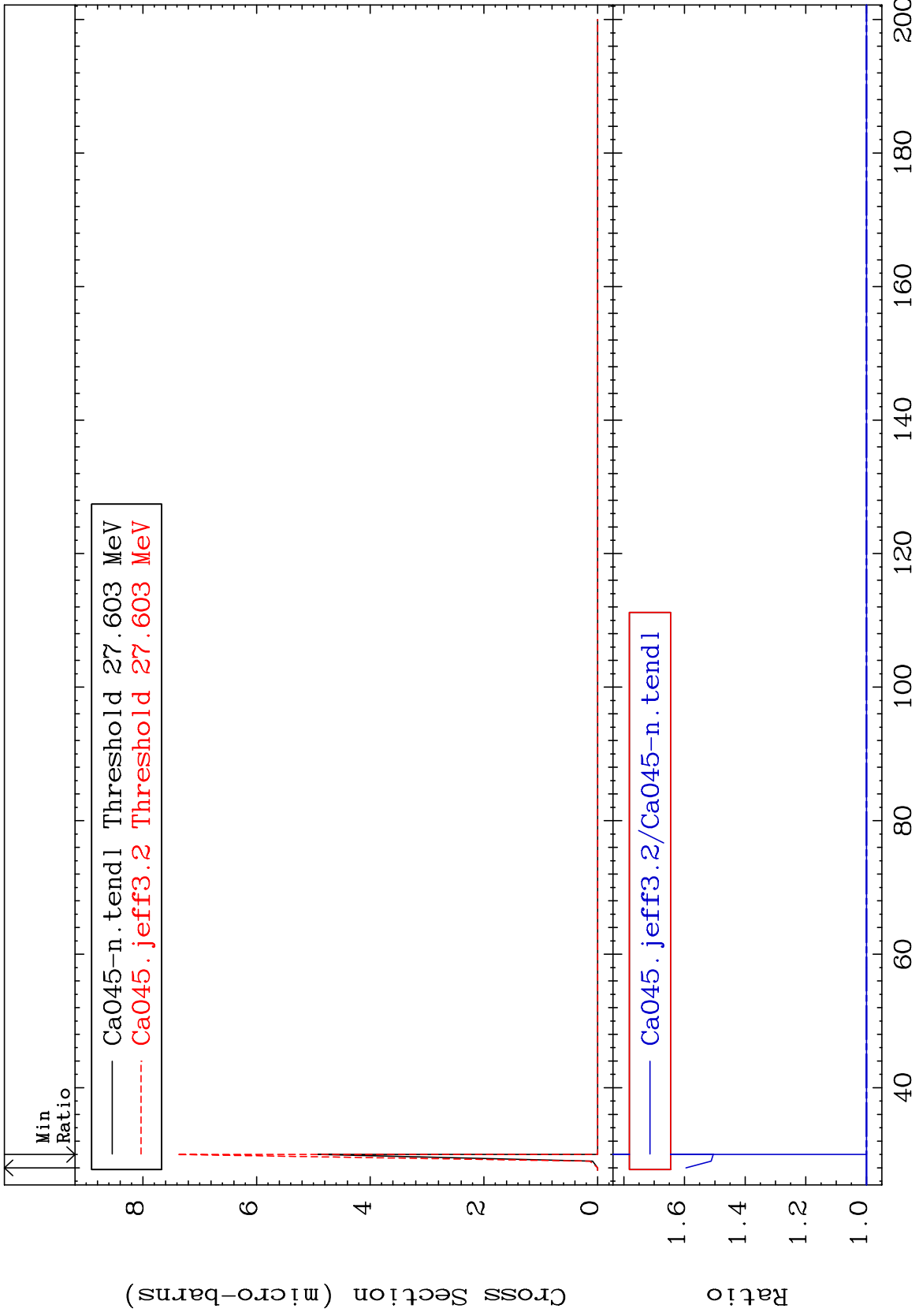
20-Ca-45
-12.36 To 0.870 %



MAT 2040

(n,2n) d
Cross Section

20-Ca-45
To 59.52 %
0.000



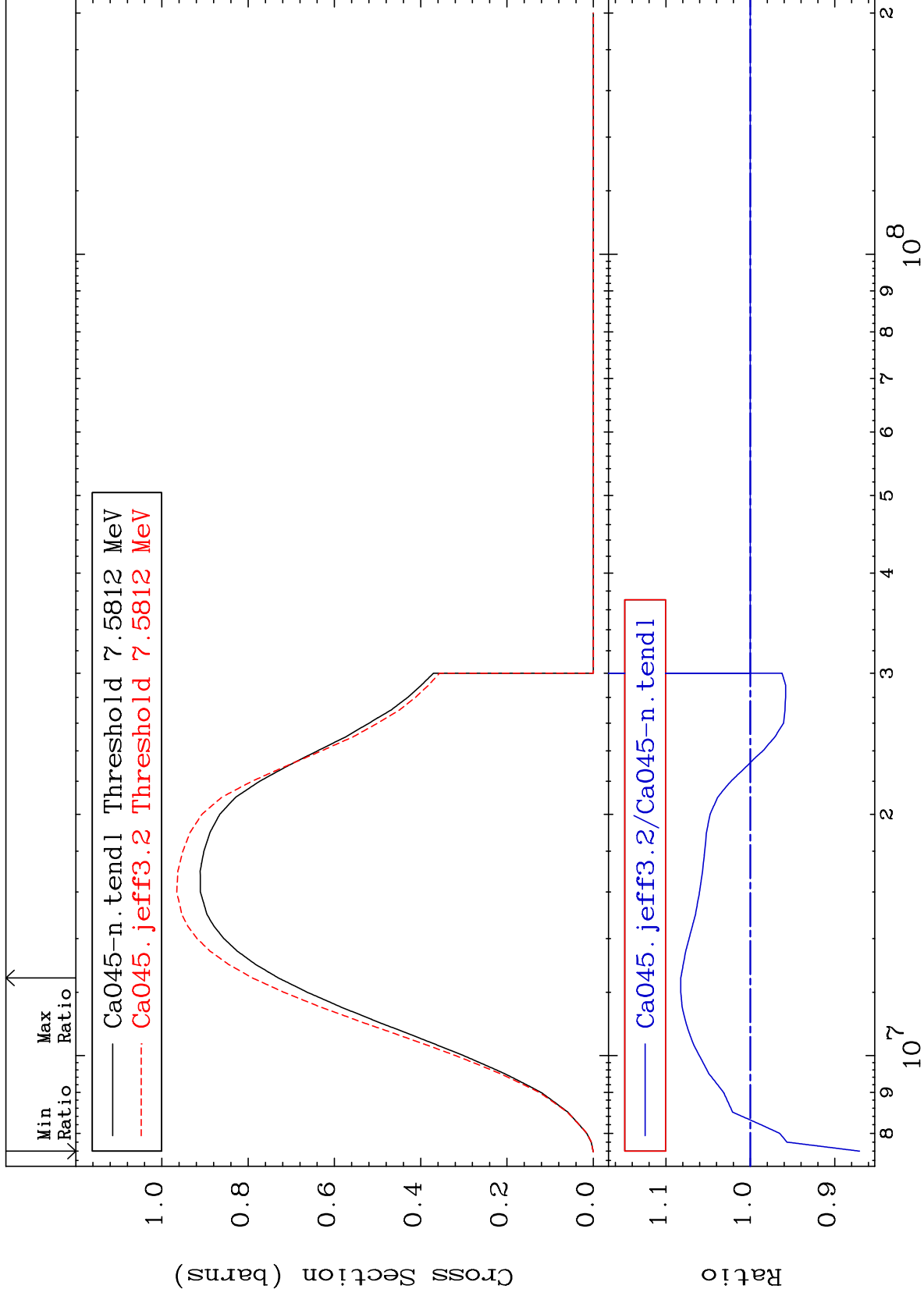
4

20-Ca-45

MAT 2040

(n,2n)
Cross Section

20-Ca-45
-12.94 To 8.245 %



5

Incident Energy (eV)

20-Ca-45

MAT 2040

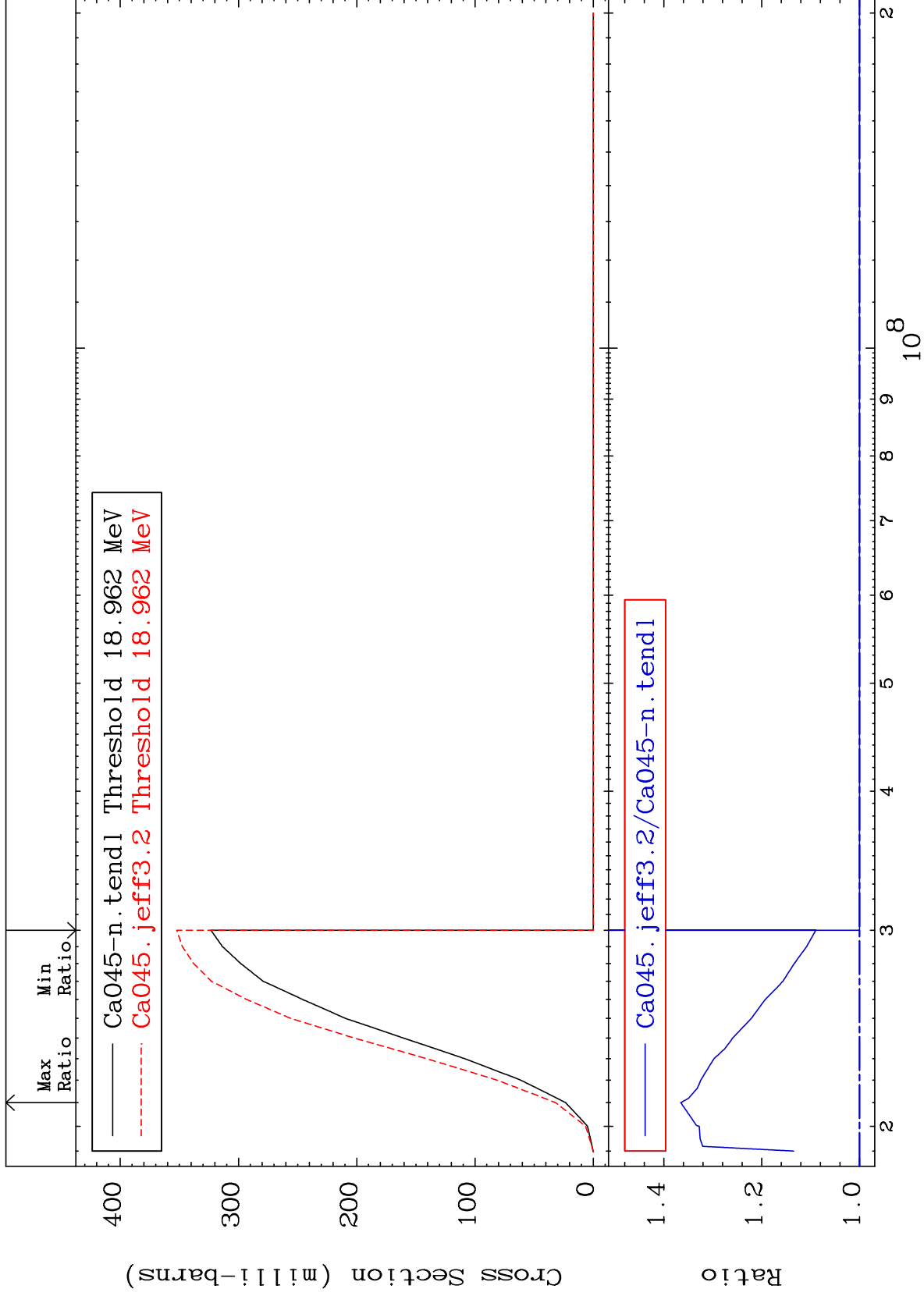
(n,3n)

20-Ca-45

Cross Section

0.000

To 36.53 %



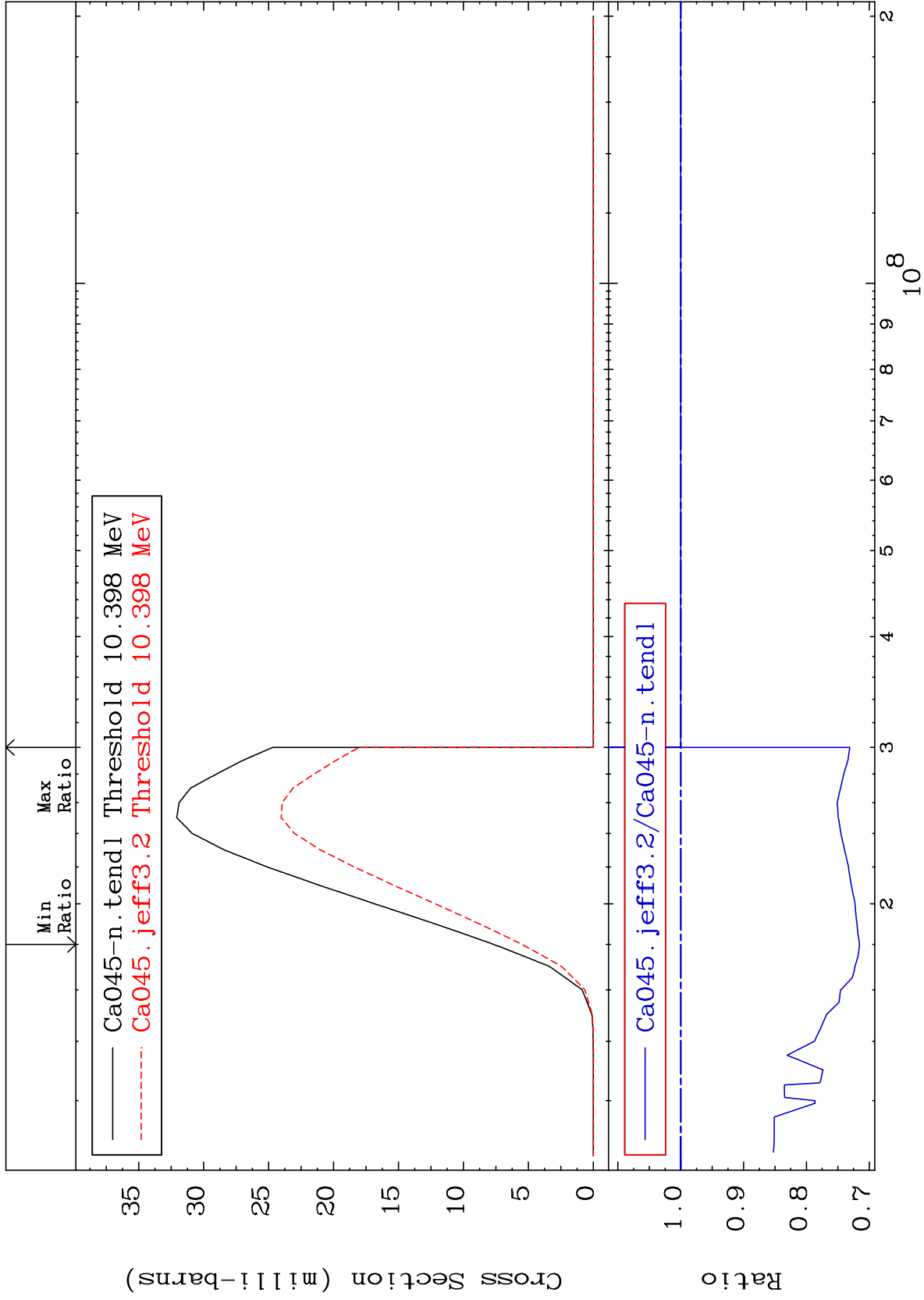
6

Incident Energy (eV)

20-Ca-45

MAT 2040

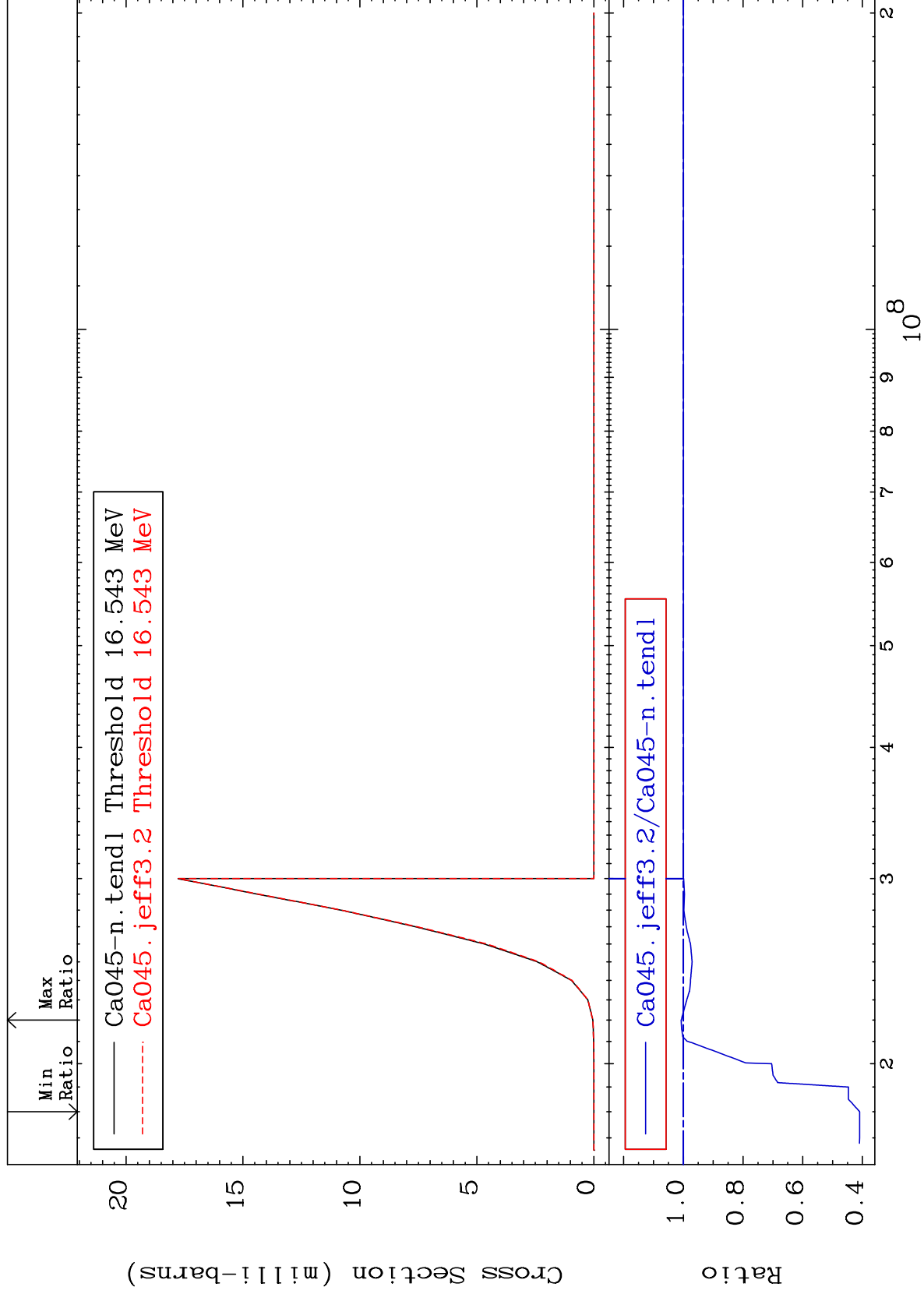
$(n, n') \alpha$
Cross Section
20-Ca-45
-28.45 To 0.000 %



MAT 2040

(n,2n) α
Cross Section

20-Ca-45
-59.07 To 0.722 %



8

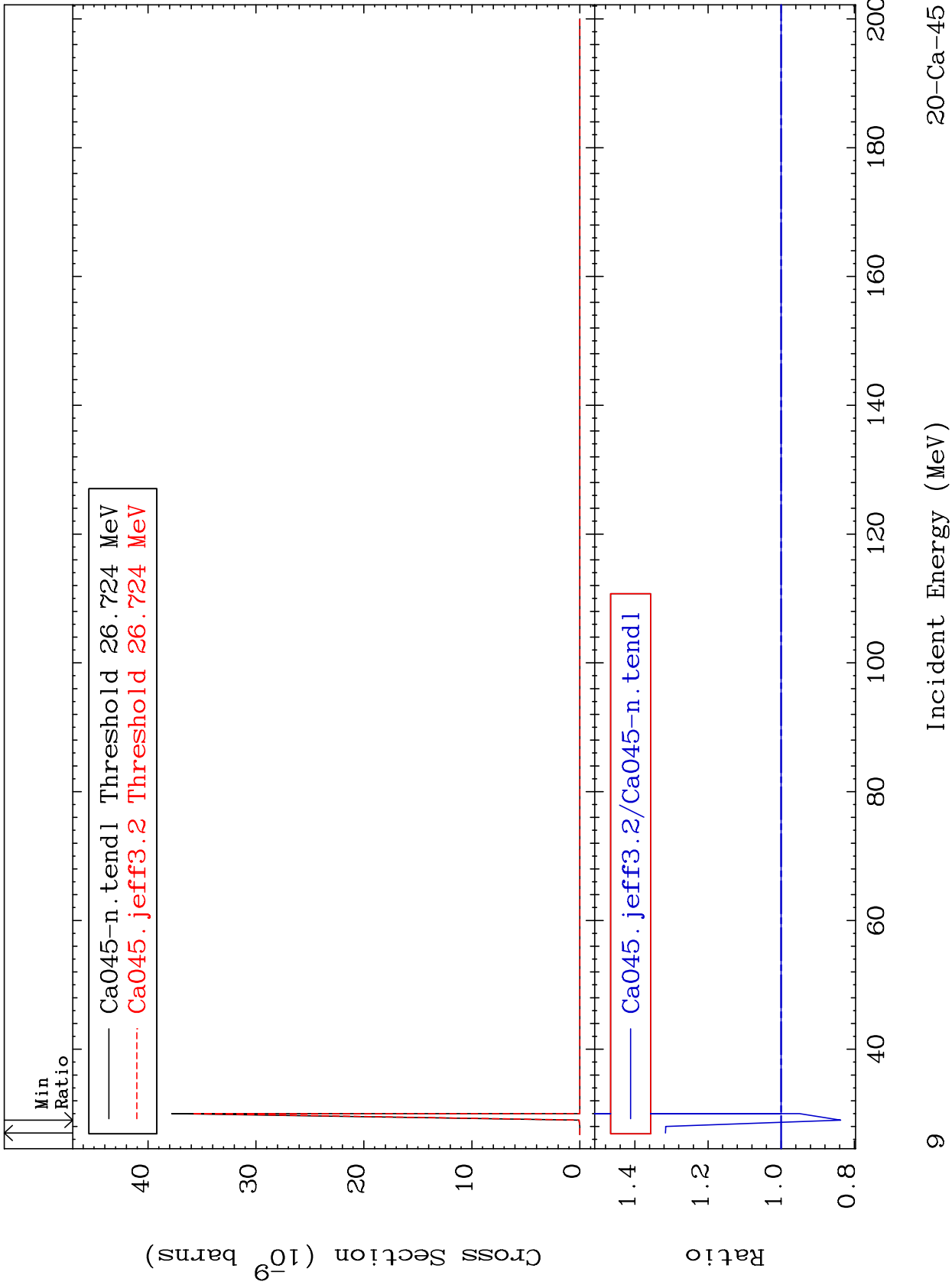
Incident Energy (eV)

20-Ca-45

MAT 2040

(n,3n) α
Cross Section

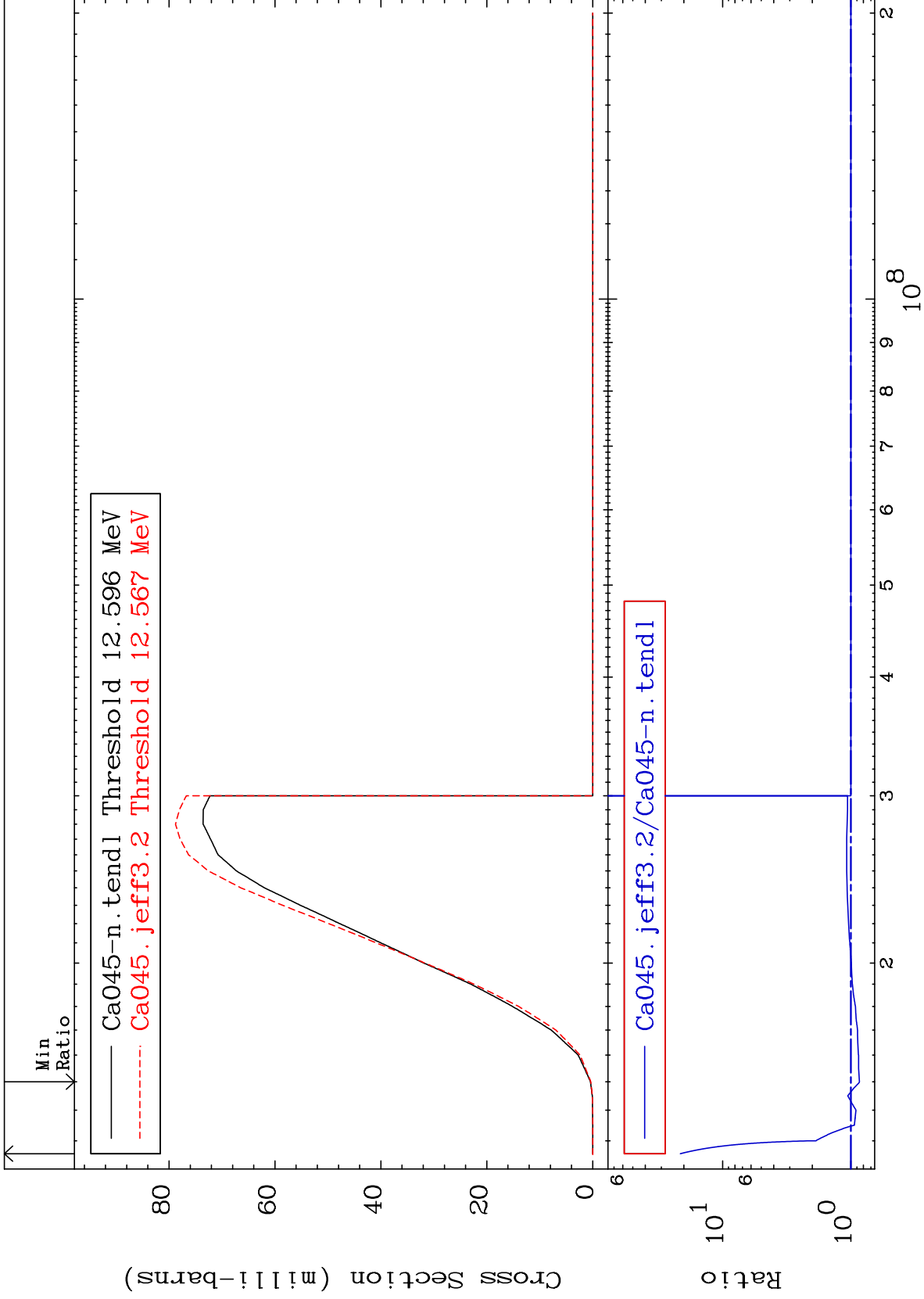
20-Ca-45
-16.27 To 31.62 %



MAT 2040

(n, n') p
Cross Section

20-Ca-45
-14.11 To 2033. %



10

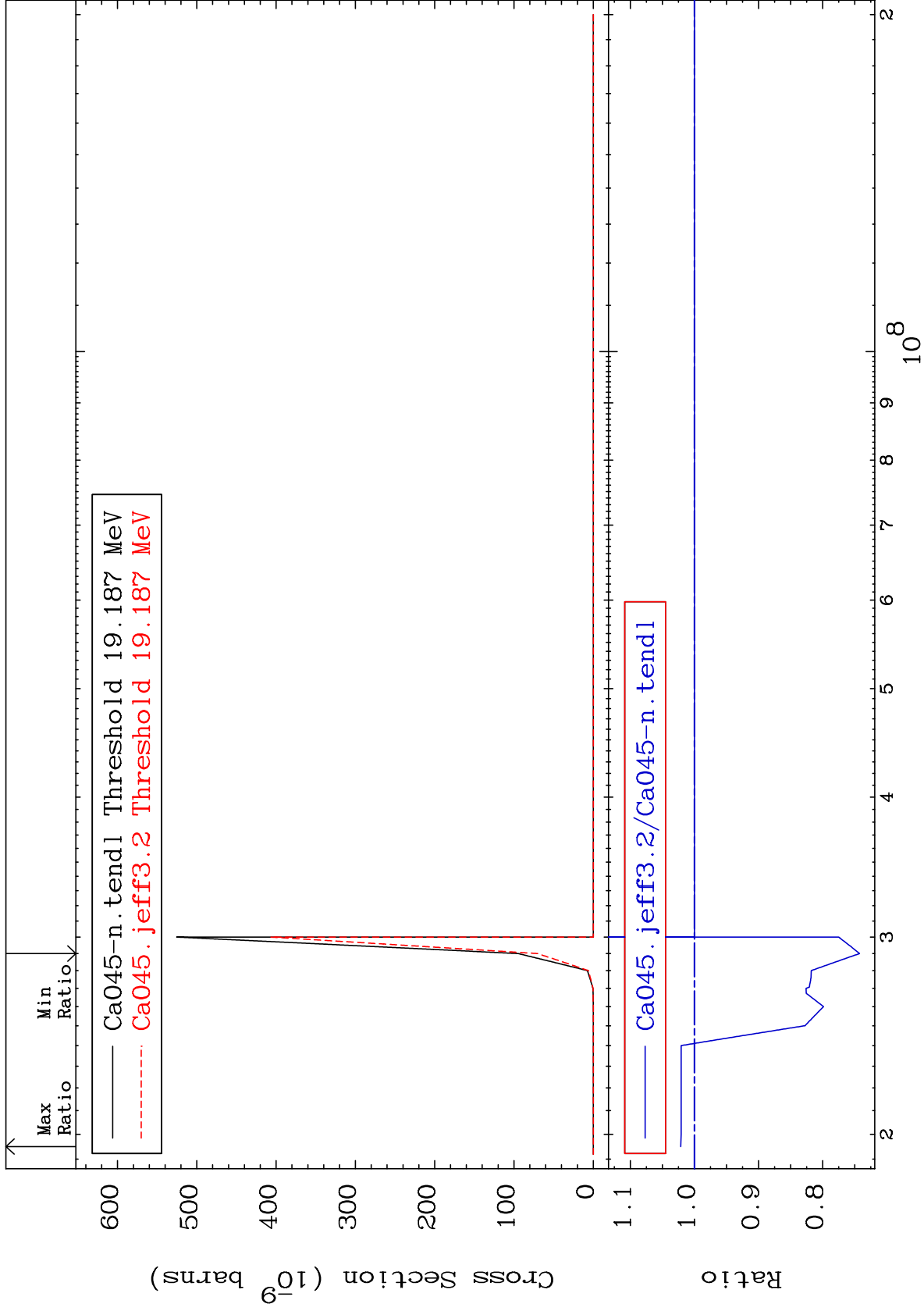
Incident Energy (eV)

20-Ca-45

MAT 2040

(n, n') 2α
Cross Section

20-Ca-45
-25.76 To 2.127 %



MAT 2040

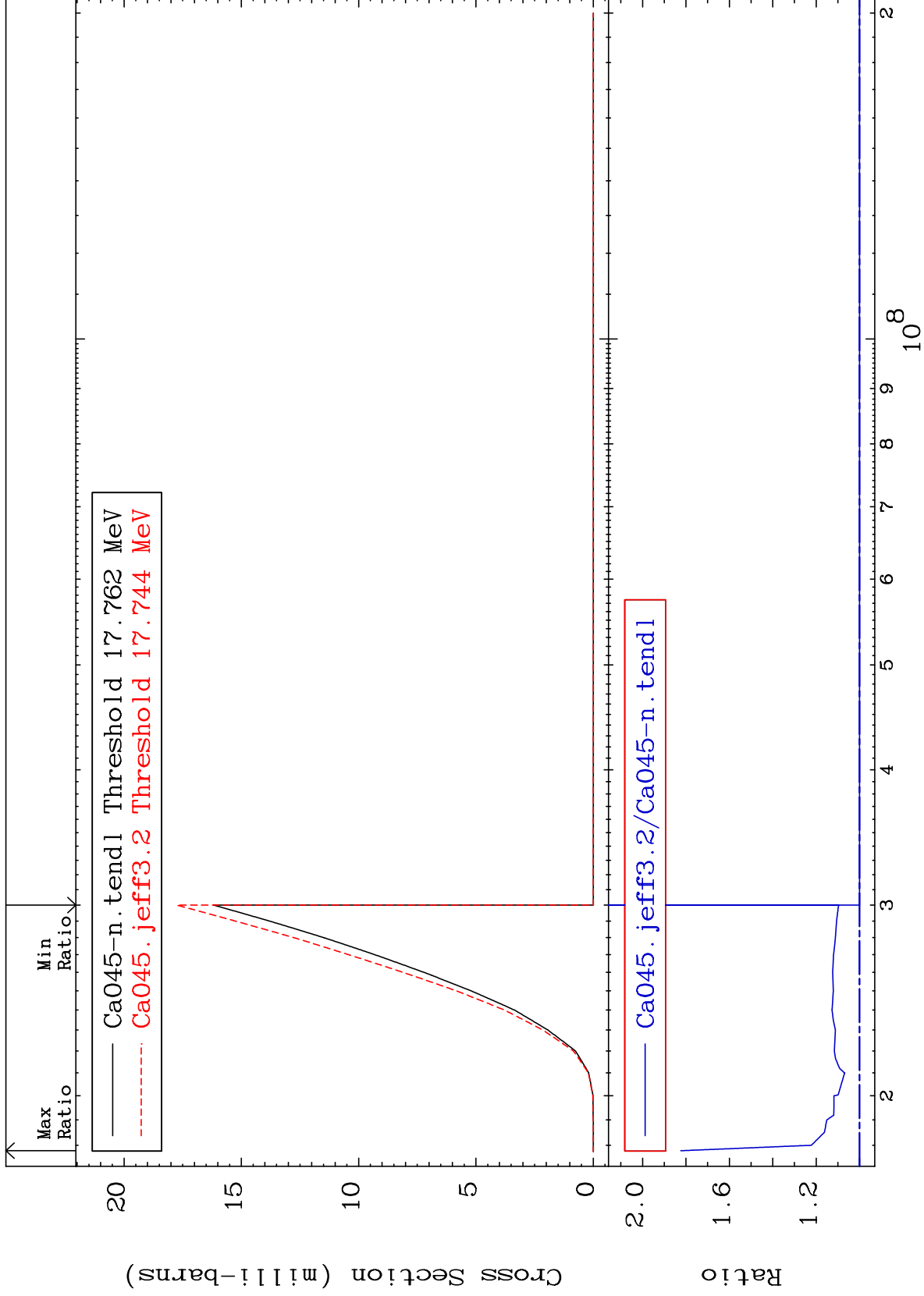
(n,n') d

20-Ca-45

Cross Section

0.000

To 82.38 %



12

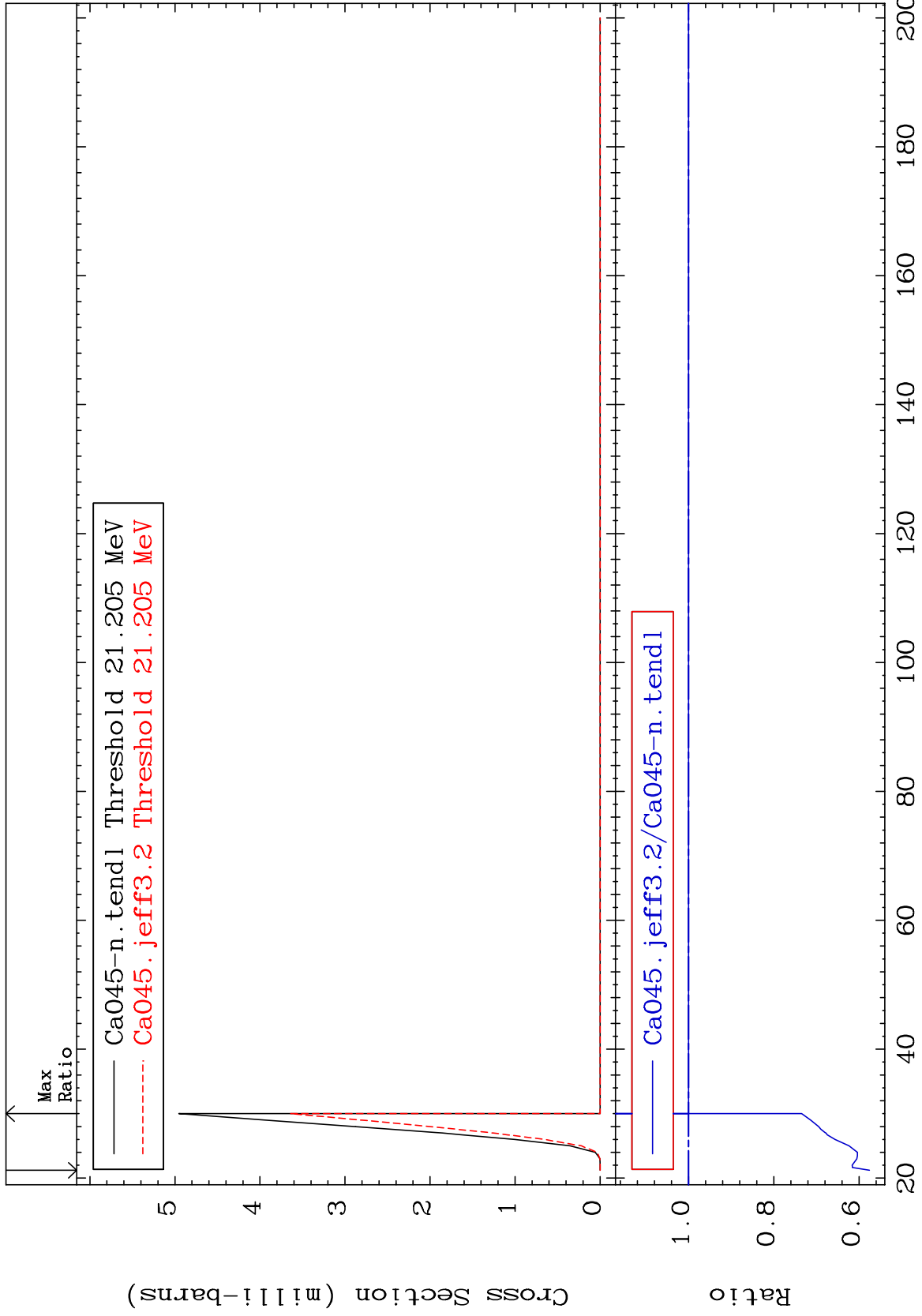
Incident Energy (eV)

20-Ca-45

MAT 2040

(n,n') t
Cross Section

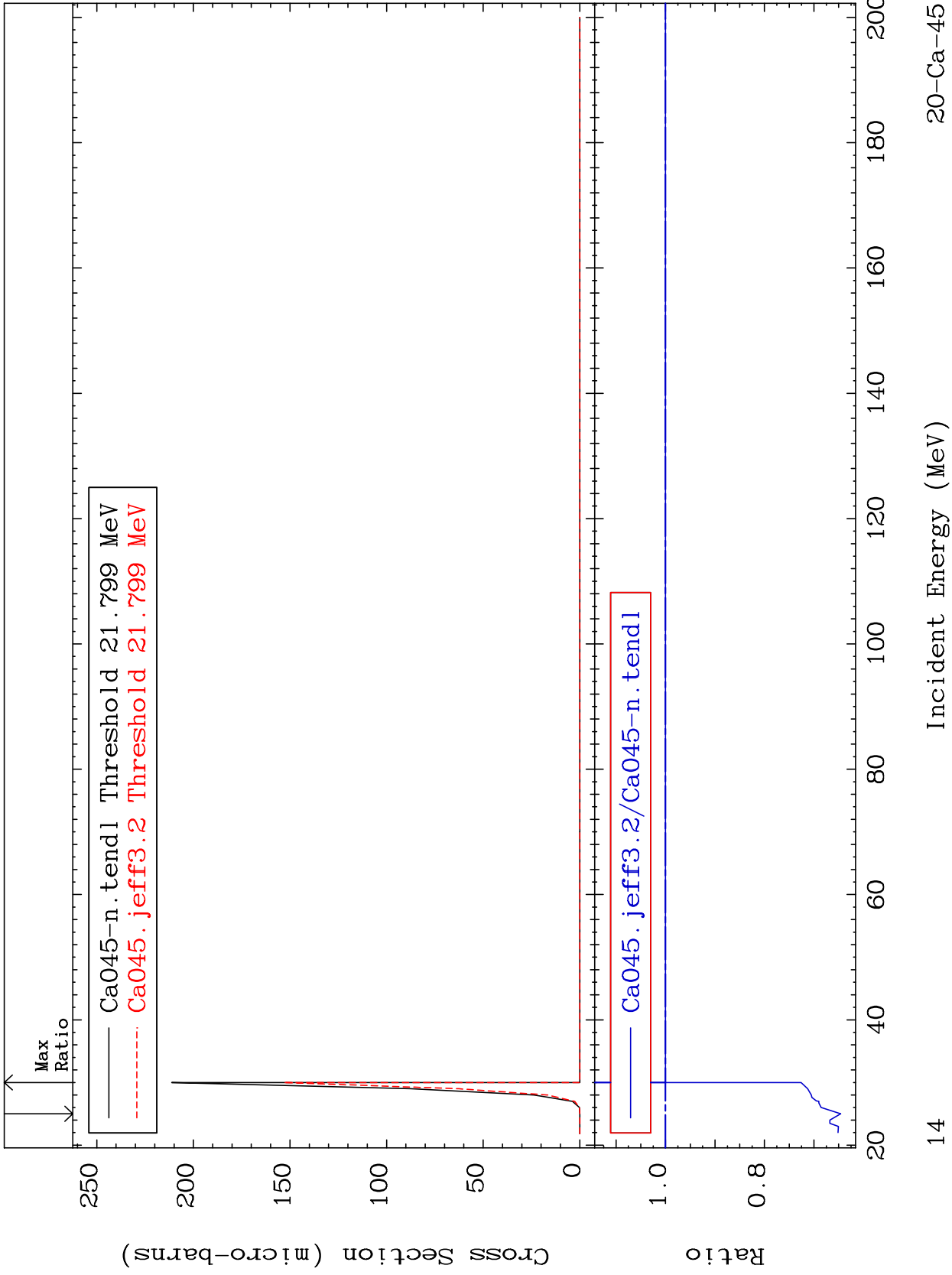
20-Ca-45
-42.44 To 0.000 %



MAT 2040

(n, n') He-3
Cross Section

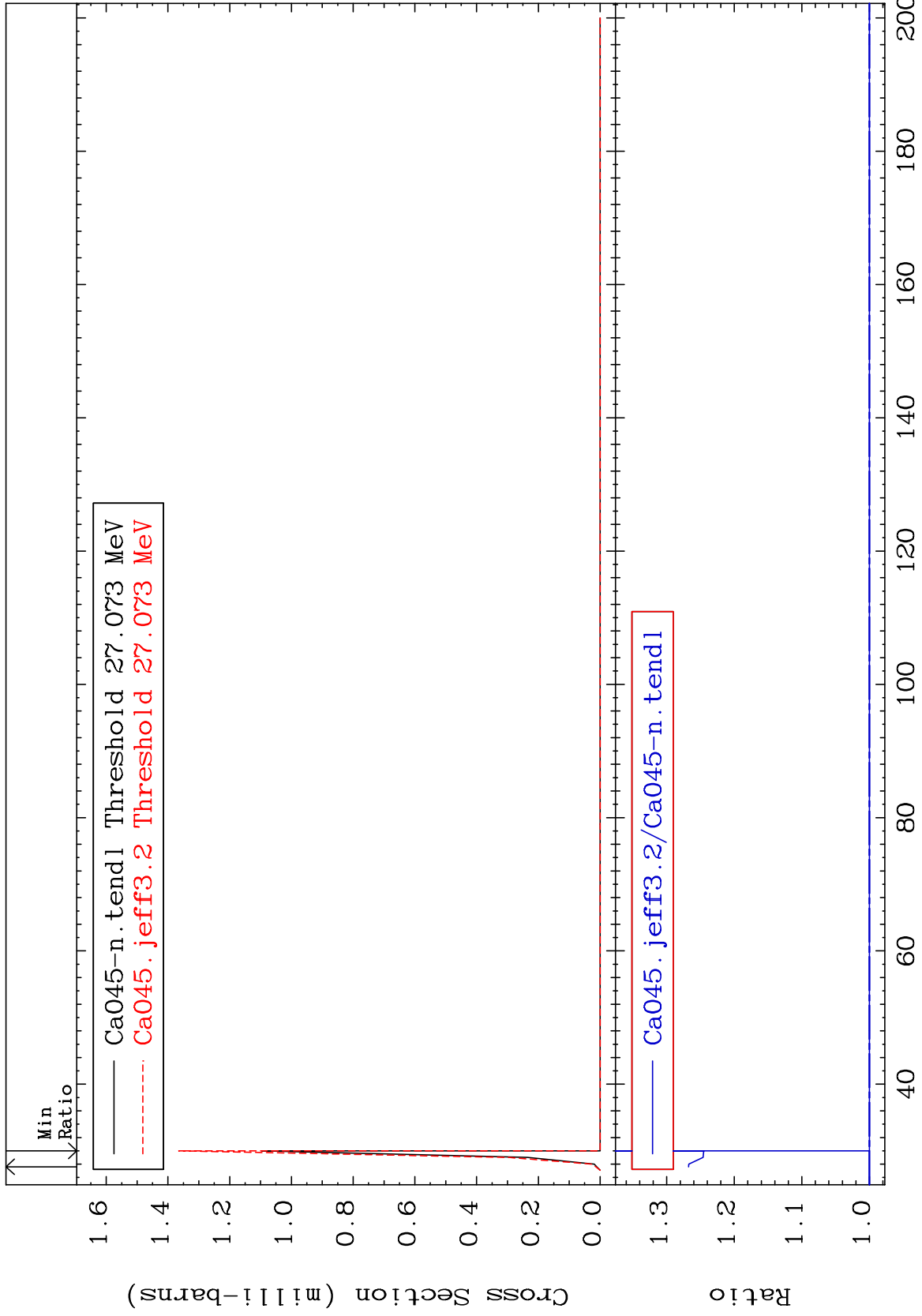
20-Ca-45
-35.40 To 0.000 %



MAT 2040

(n,4n)
Cross Section

20-Ca-45
To 26.77 %



15

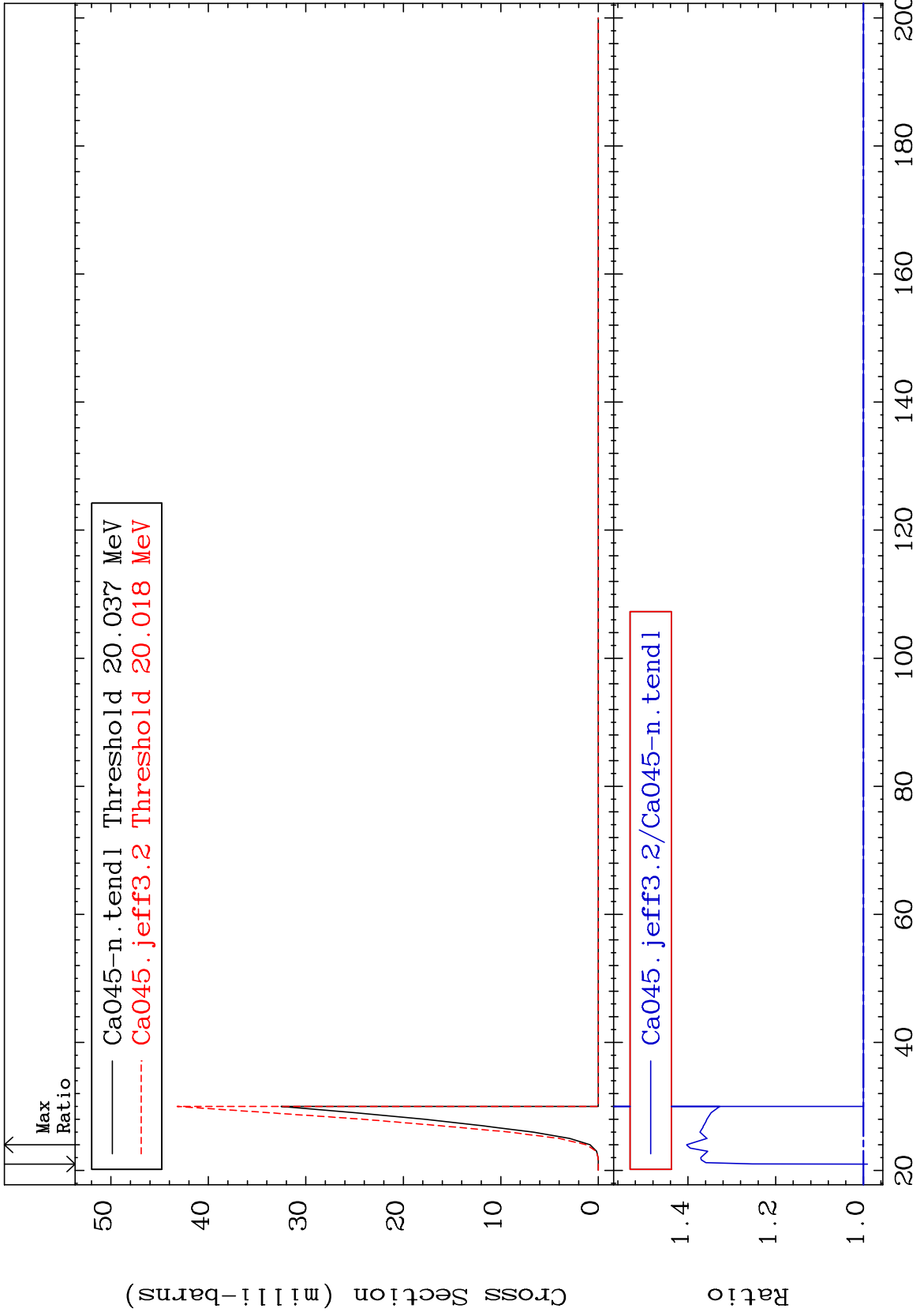
Incident Energy (MeV)

20-Ca-45

MAT 2040

(n,2n) p
Cross Section

20-Ca-45
-0.922 To 40.29 %



16

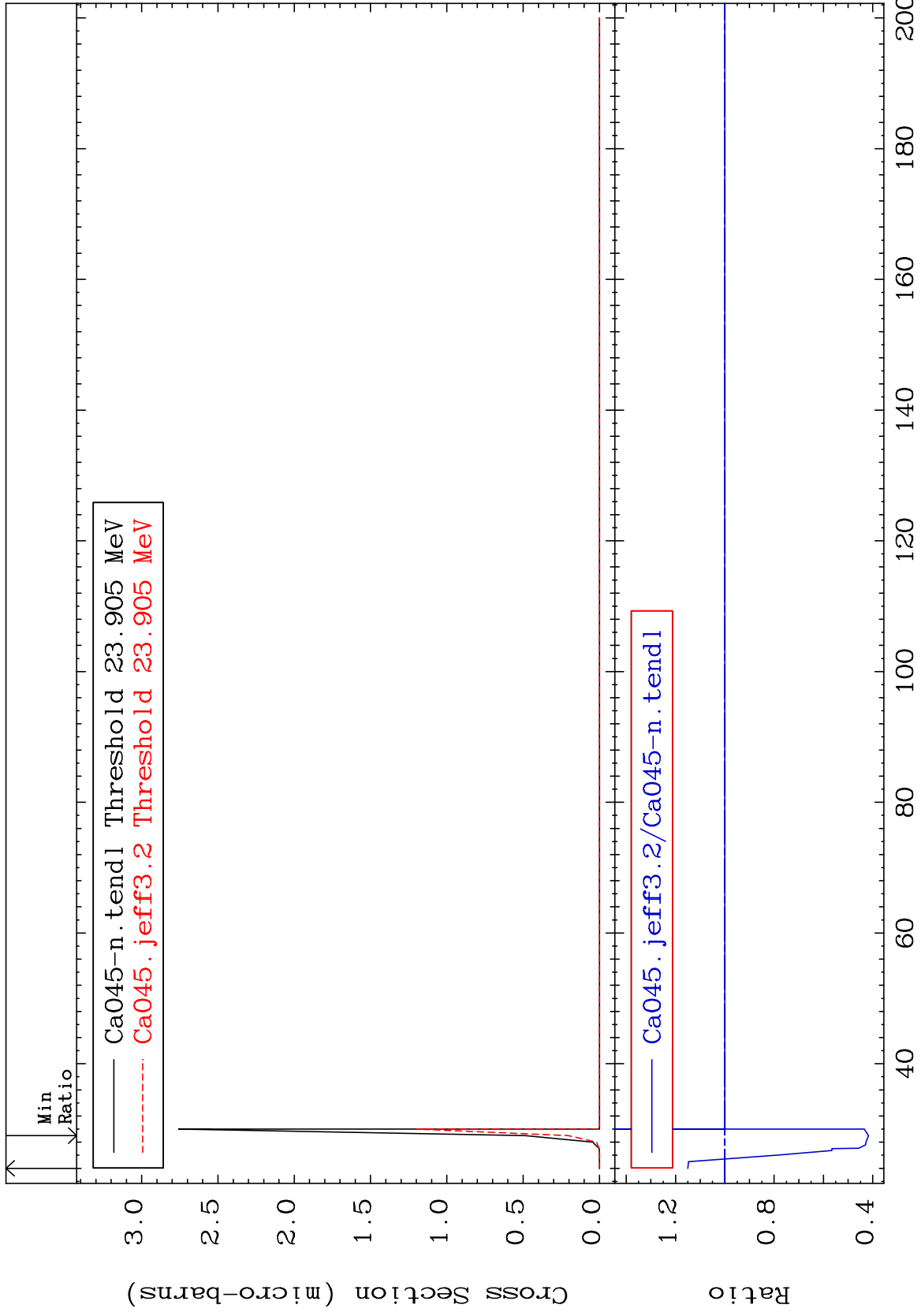
Incident Energy (MeV)

20-Ca-45

MAT 2040

(n,2n) p
Cross Section

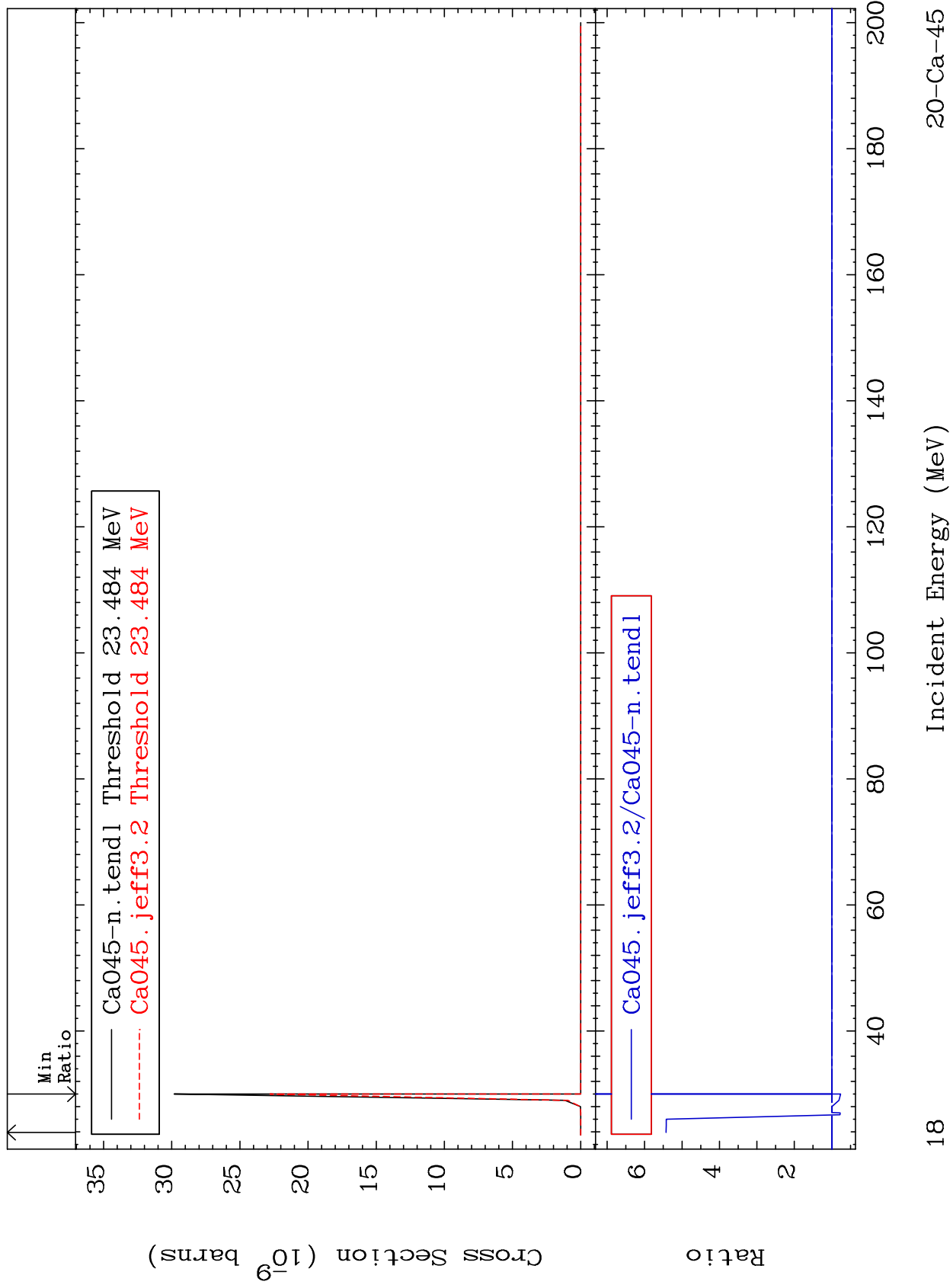
20-Ca-45
-58.28 To 15.00 %

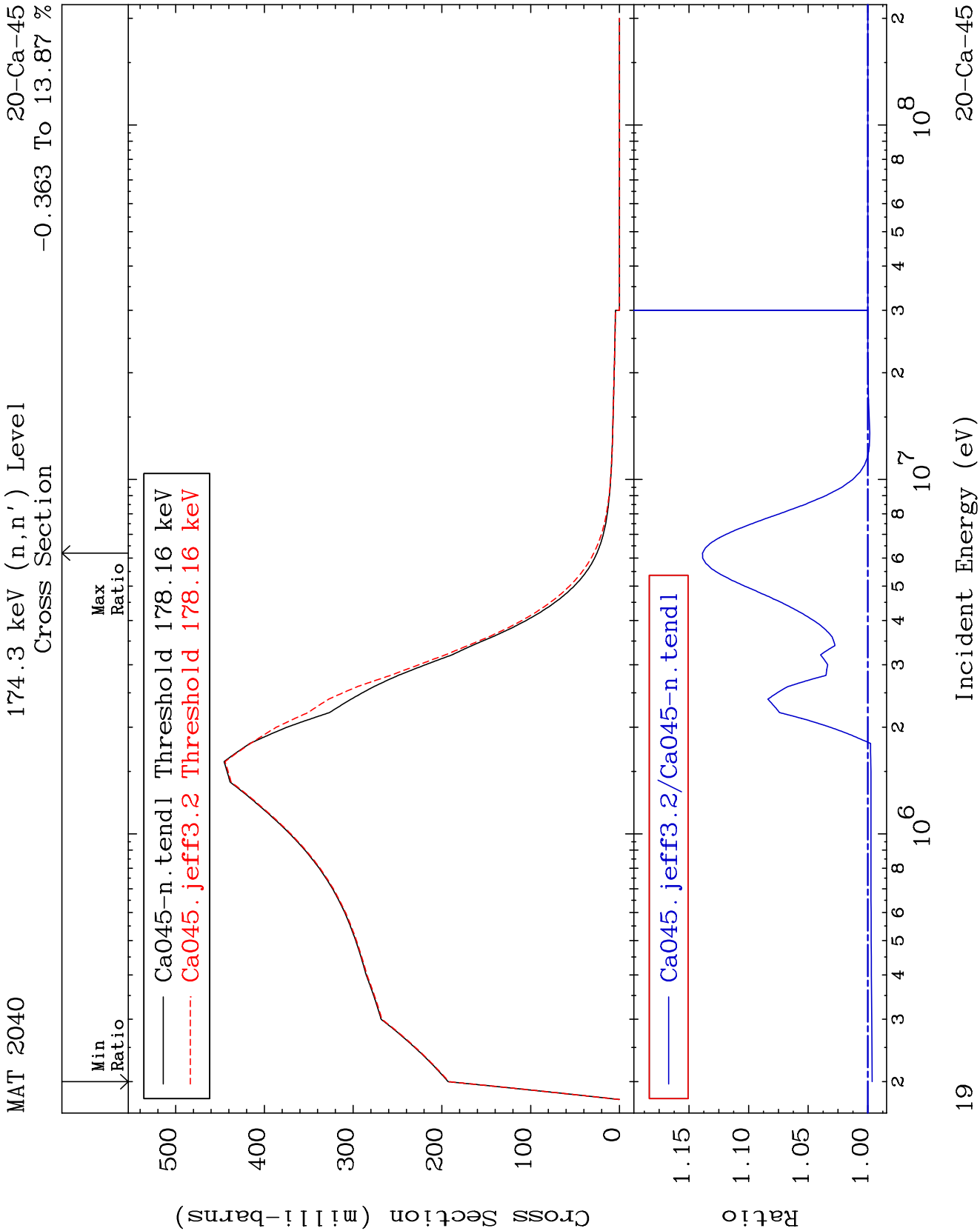


MAT 2040

(n,n') p α
Cross Section

20-Ca-45
-23.60 To 442.5 %





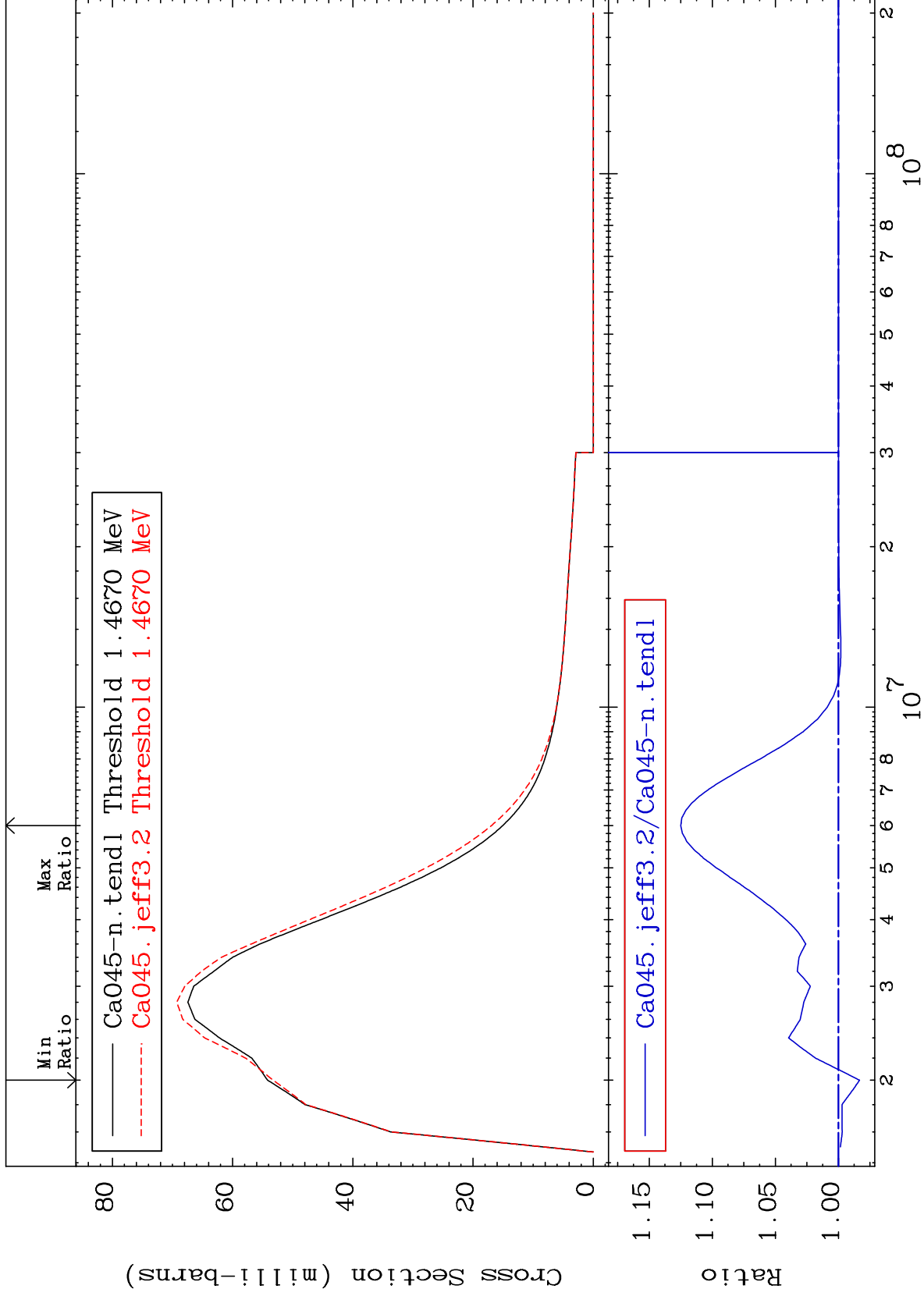
MAT 2040

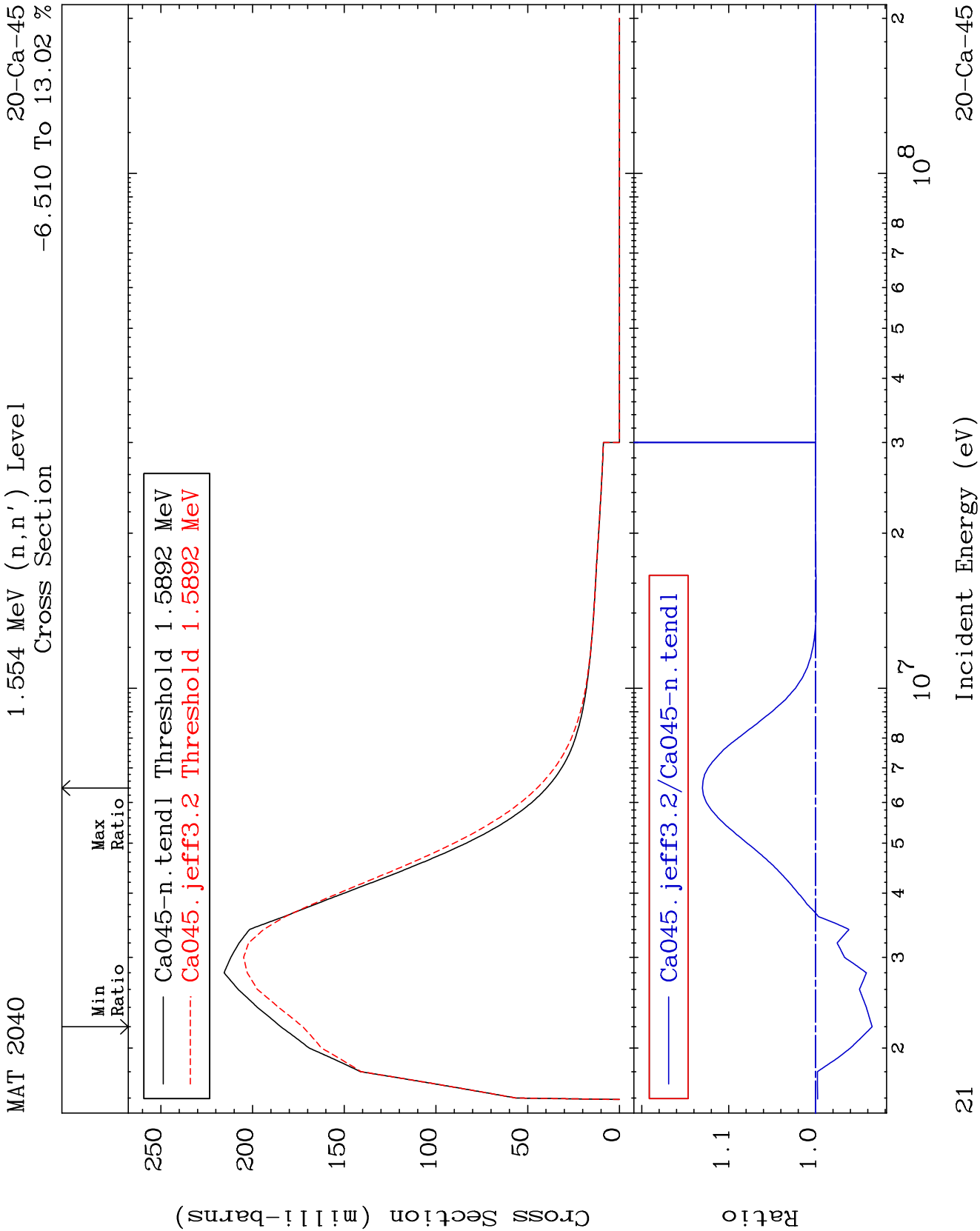
1.435 MeV (n,n') Level

20-Ca-45

Cross Section

-1.673 To 12.50 %





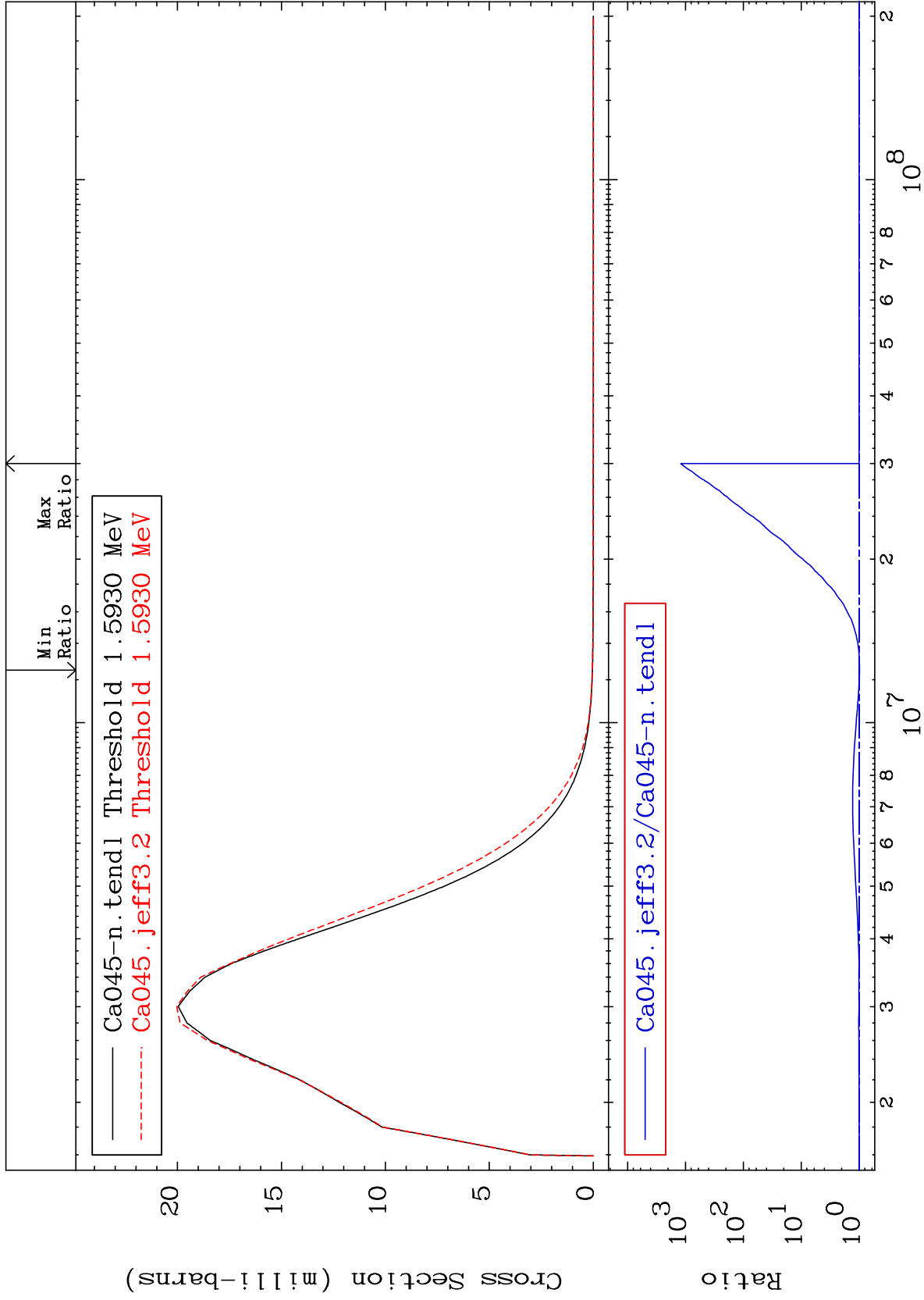
MAT 2040

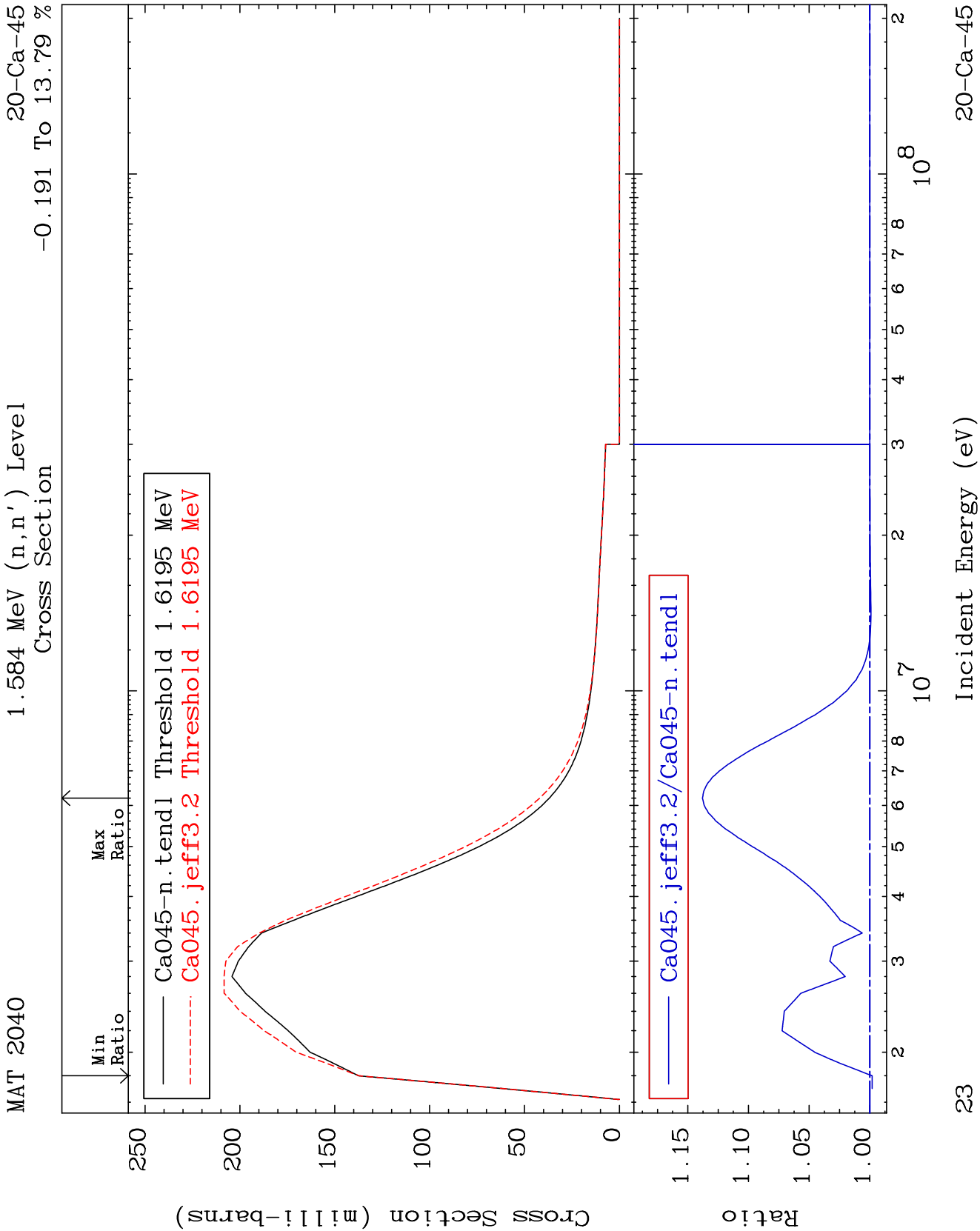
1.558 MeV (n,n') Level

20-Ca-45

-1.644 To 9999. %

Cross Section

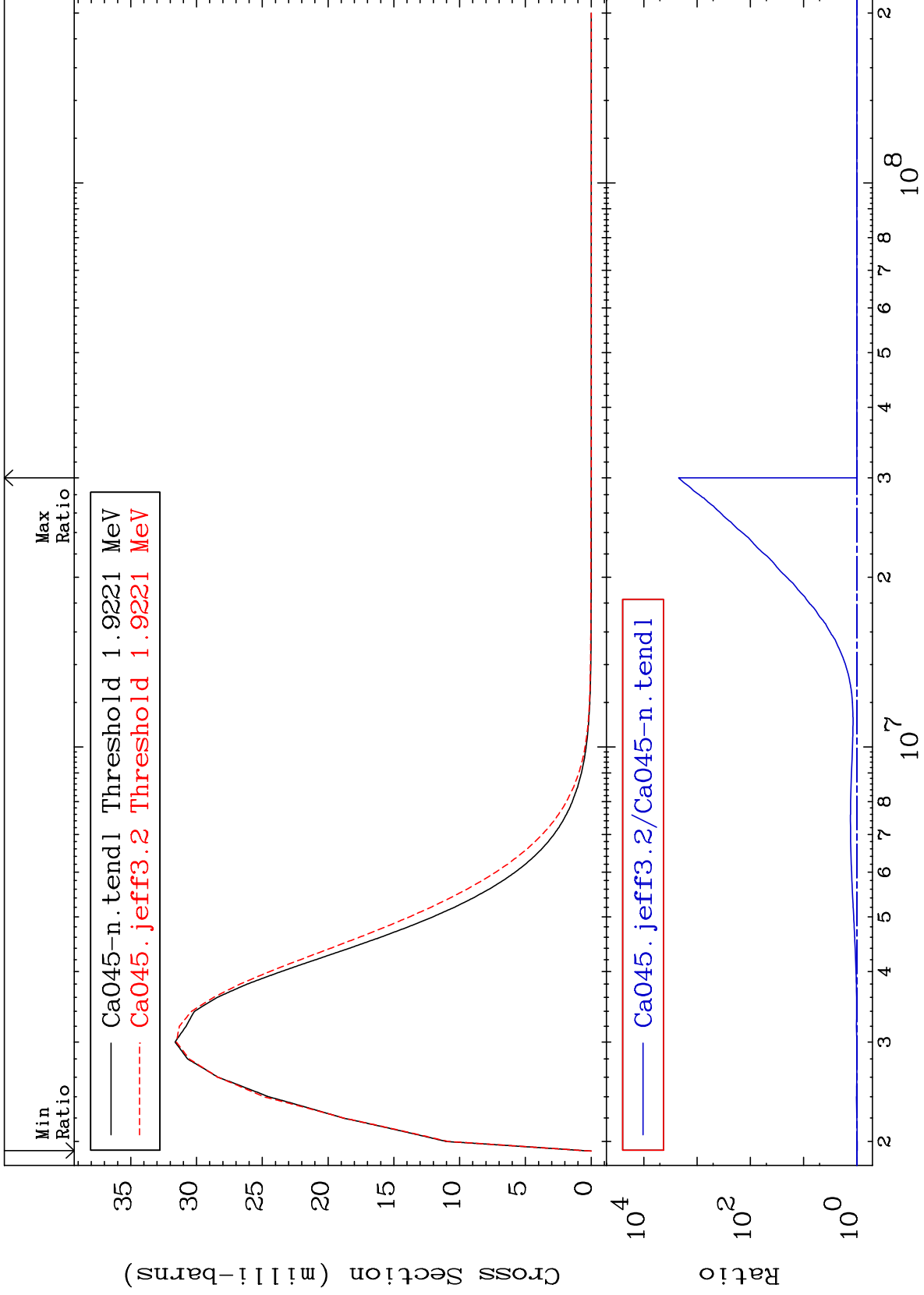




MAT 2040

1.880 MeV (n,n') Level
Cross Section

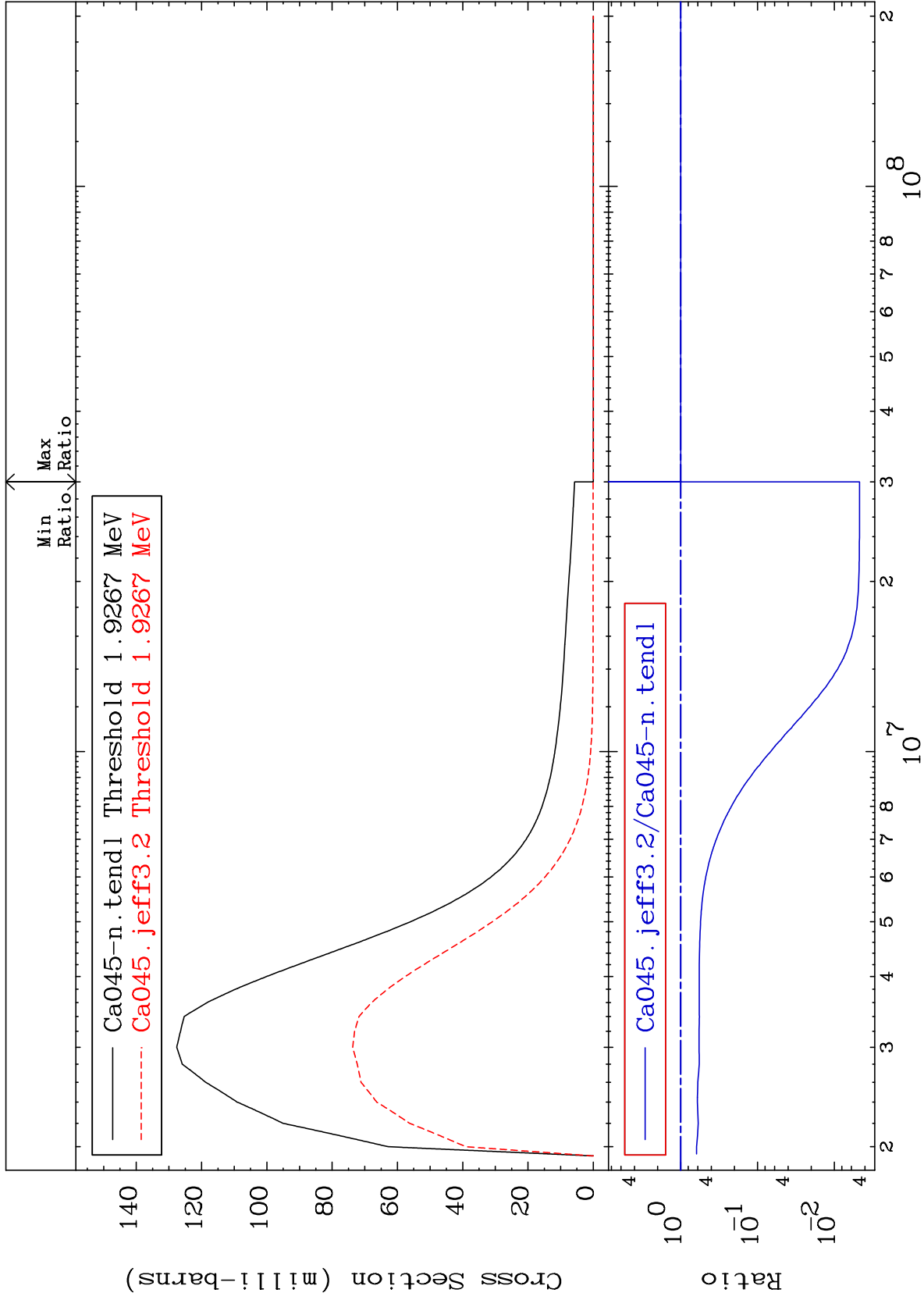
20-Ca-45
-1.719 To 9999. %



MAT 2040

1.884 MeV (n,n') Level
Cross Section

20-Ca-45
-99.53 To 0.000 %



25

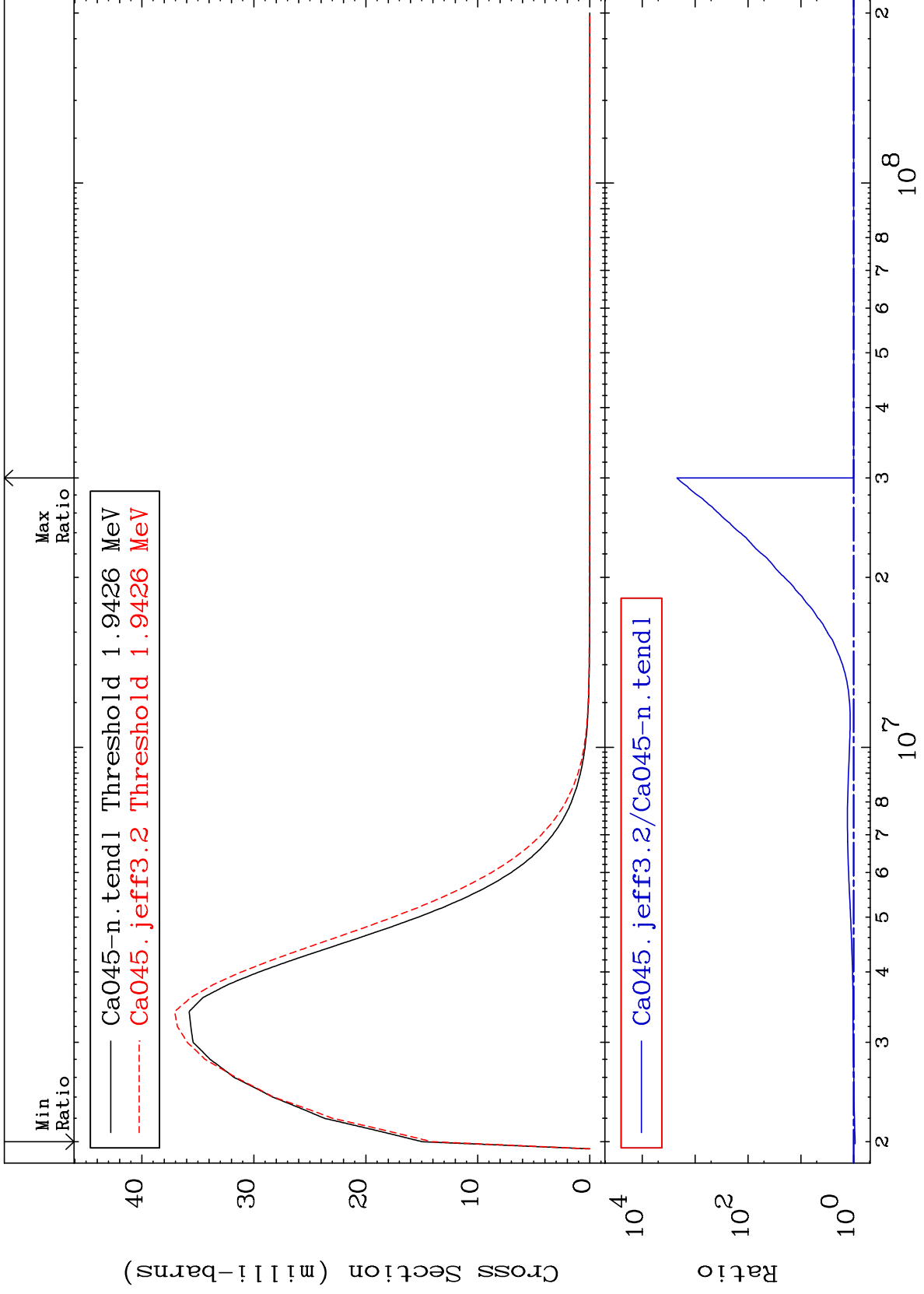
Incident Energy (eV)

20-Ca-45

MAT 2040

1.900 MeV (n,n') Level
Cross Section

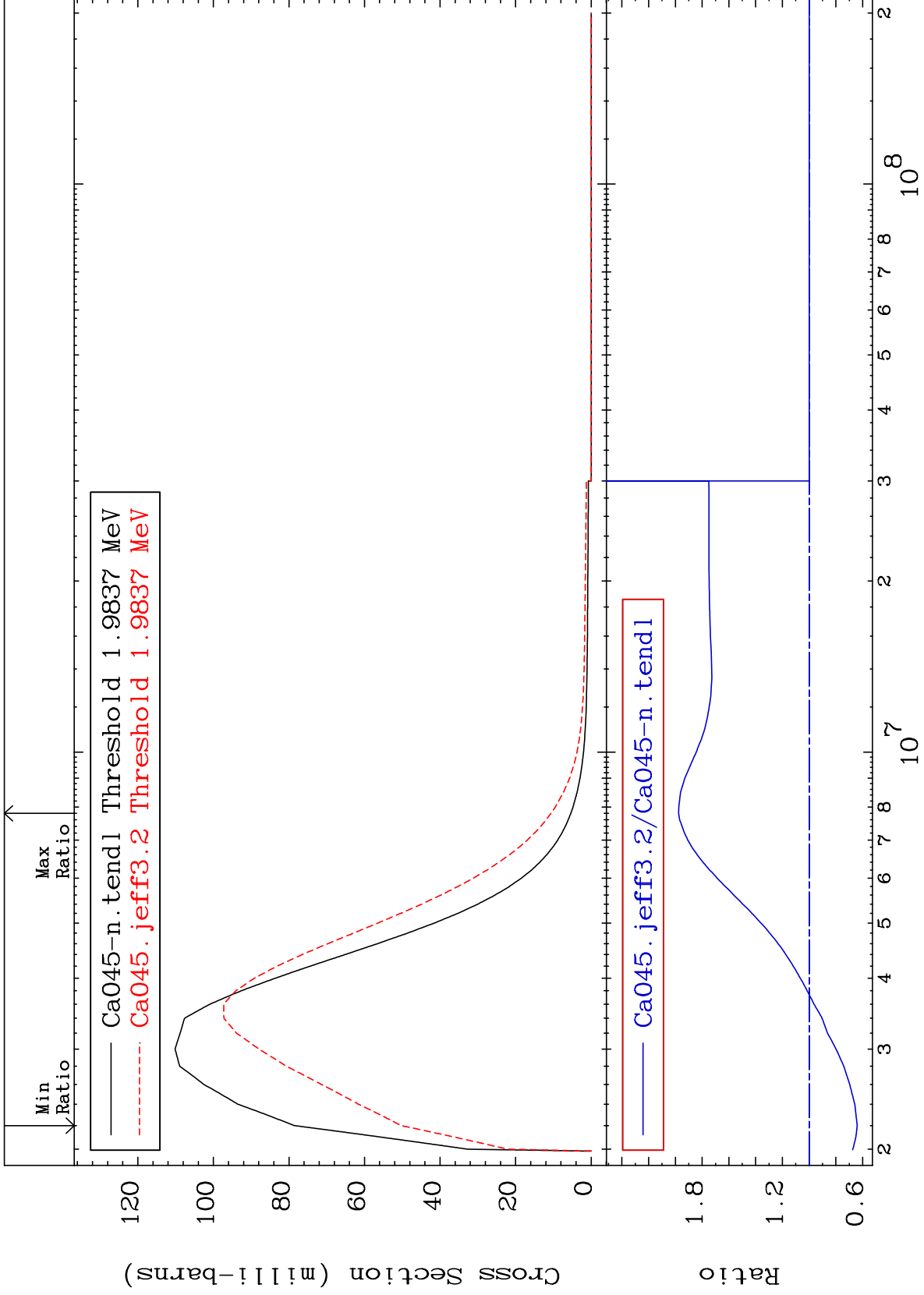
20-Ca-45
-5.774 To 9999. %



MAT 2040

1.940 MeV (n,n') Level
Cross Section

20-Ca-45
-35.98 To 97.58 %



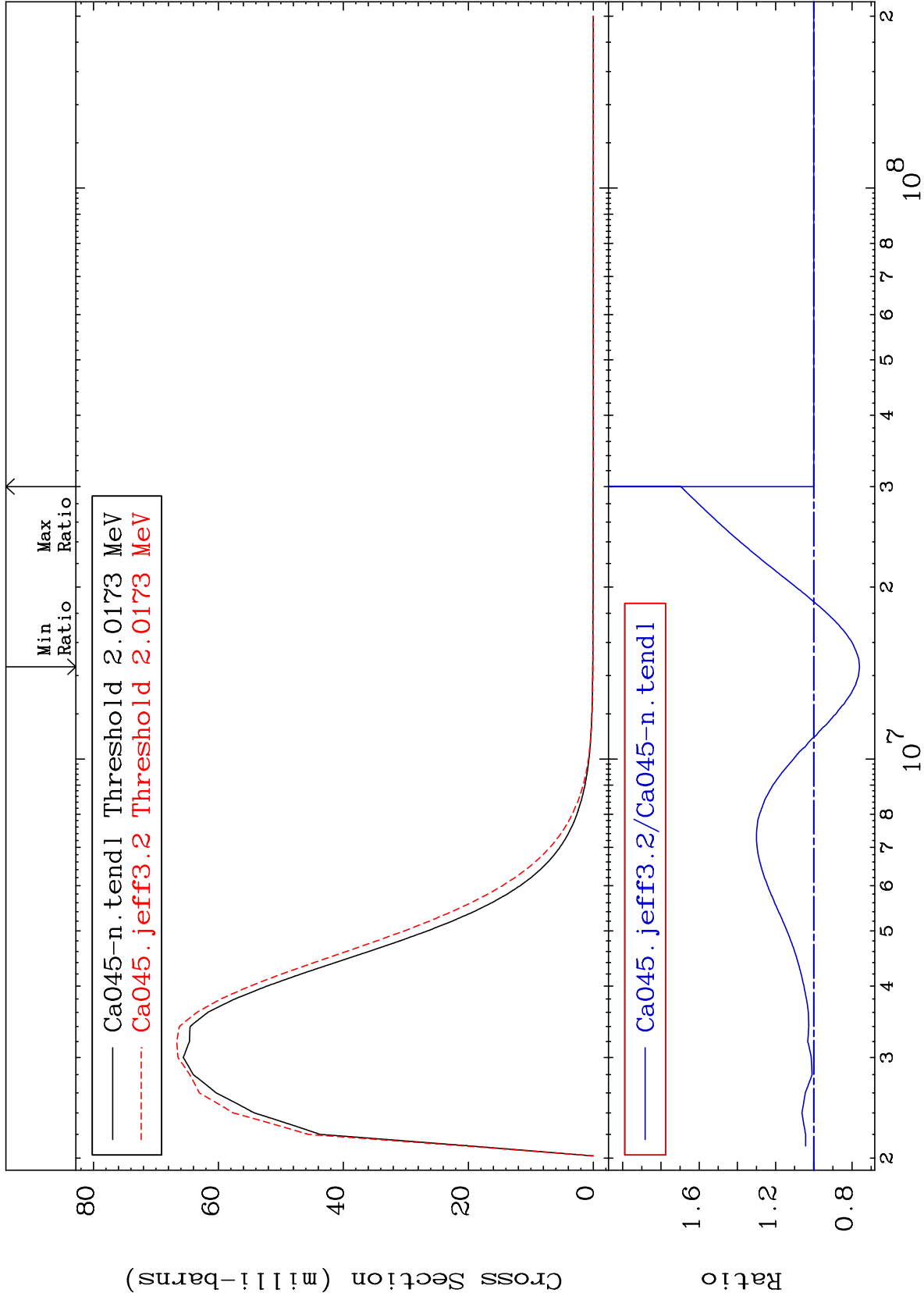
MAT 2040

1.973 MeV (n,n') Level

20-Ca-45

-23.95 To 69.63 %

Cross Section



28

Incident Energy (eV)

20-Ca-45

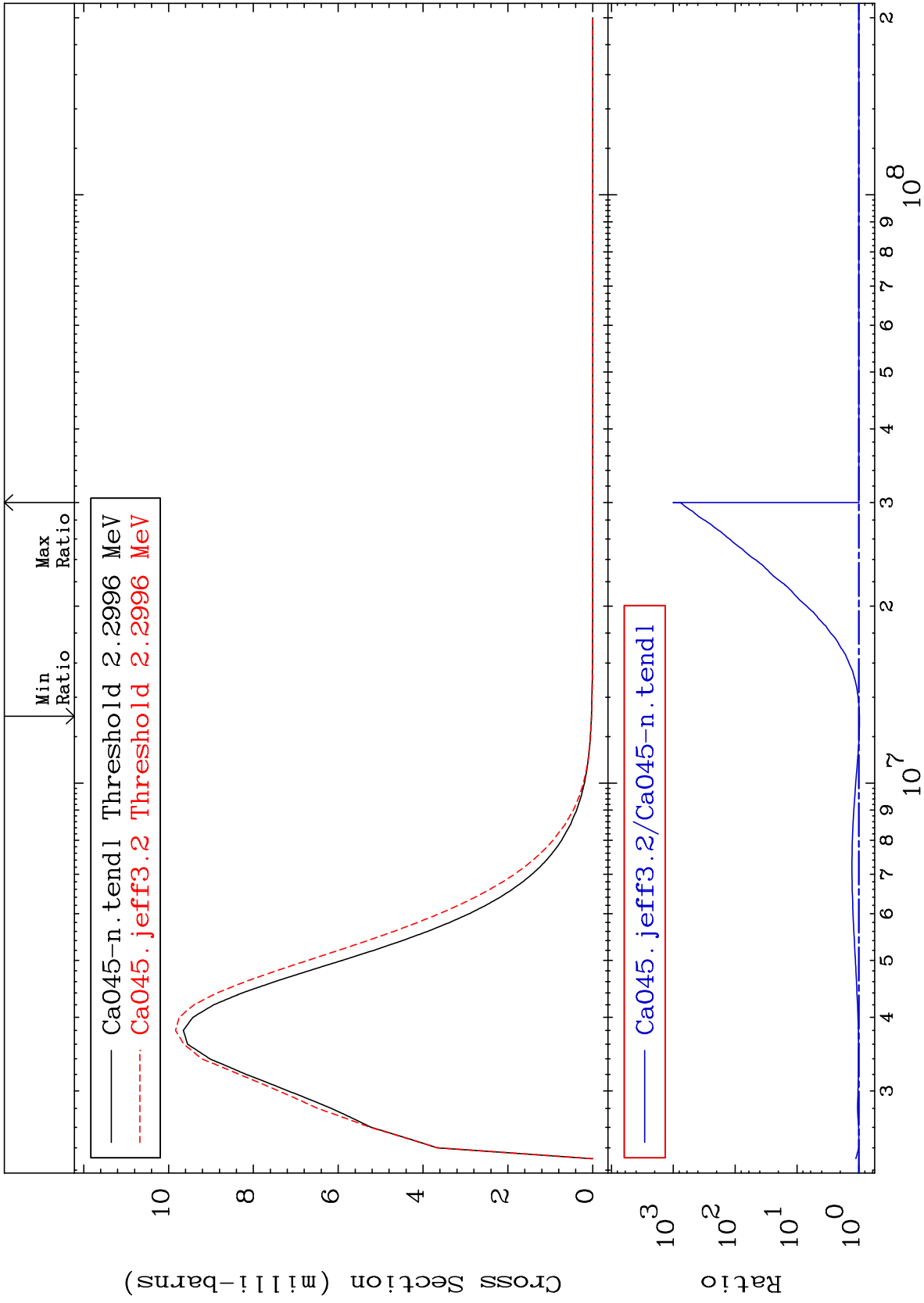
MAT 2040

2.249 MeV (n,n') Level

20-Ca-45

-2.170 To 9999. %

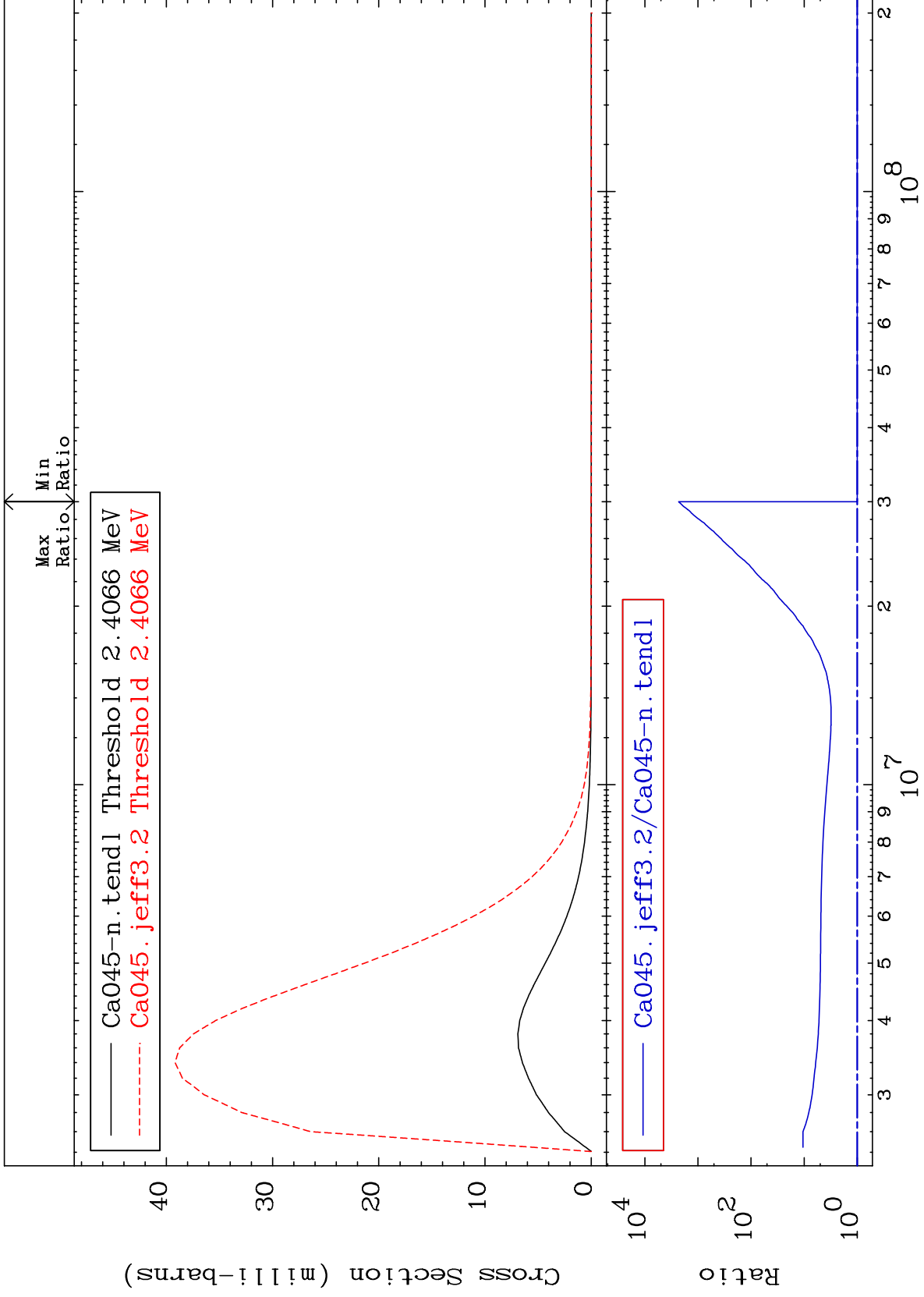
Cross Section



MAT 2040

2.354 MeV (n,n') Level
Cross Section

0.000 To 9999. %
20-Ca-45



30

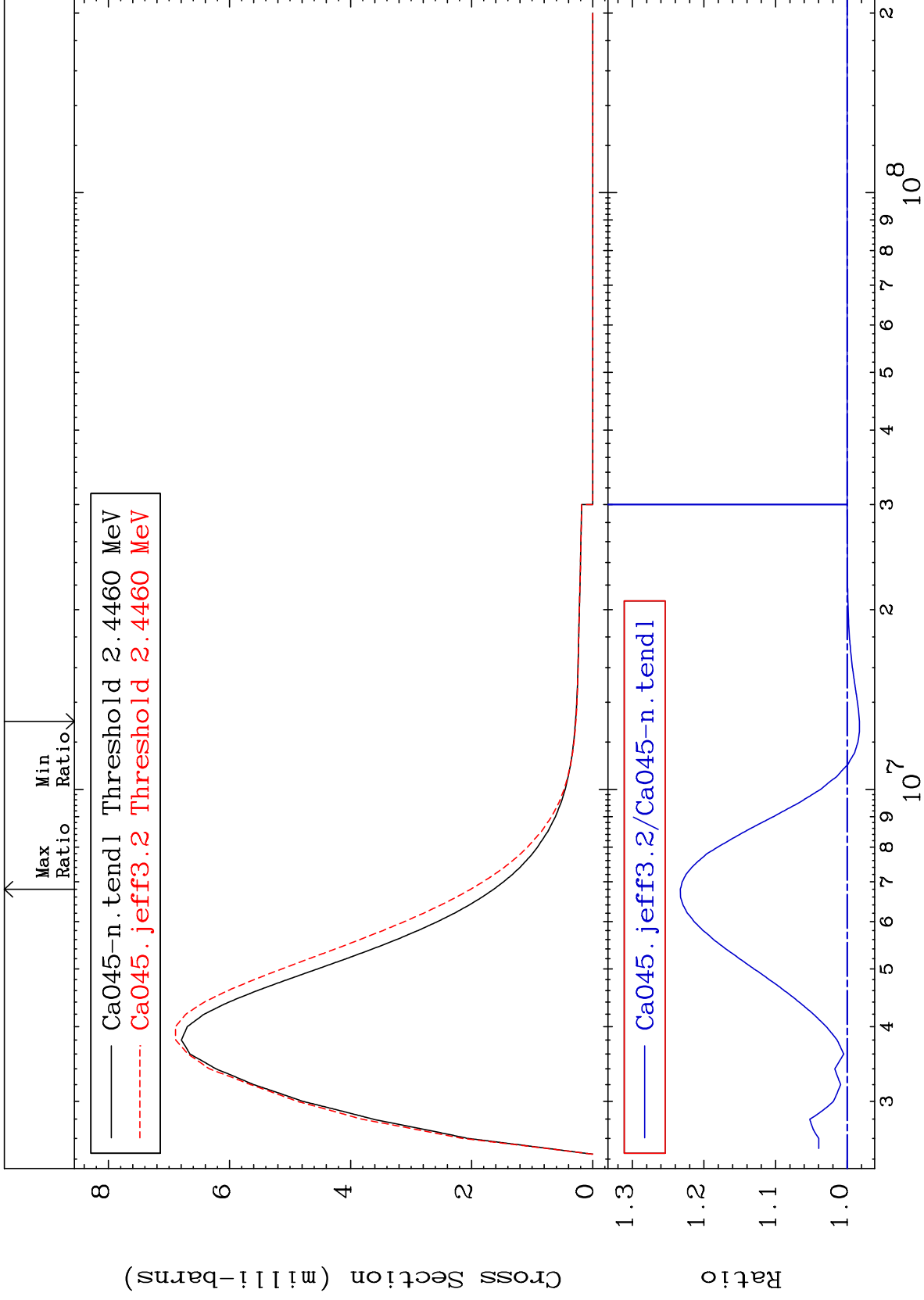
Incident Energy (eV)

20-Ca-45

MAT 2040

2.392 MeV (n,n') Level
Cross Section

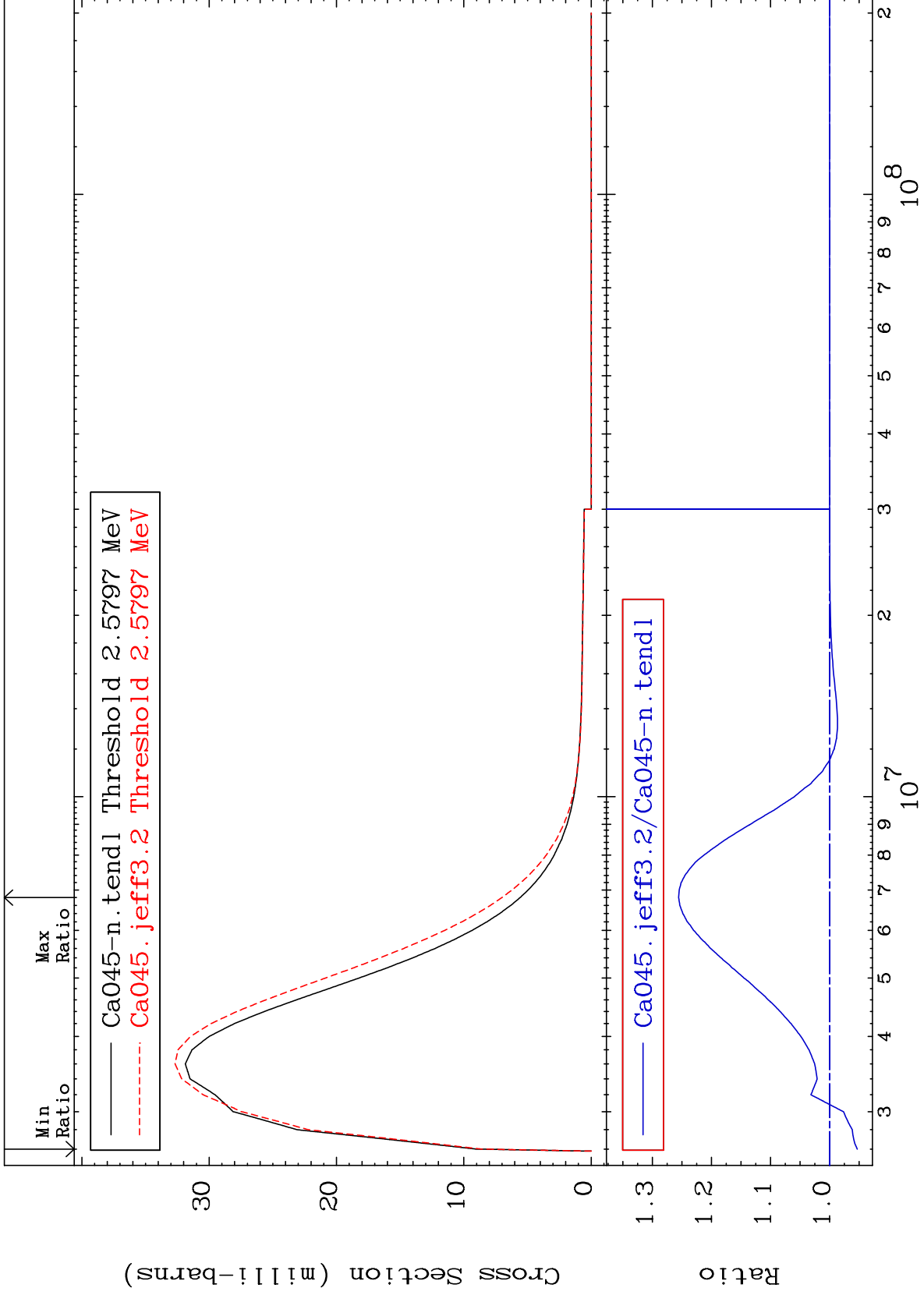
20-Ca-45
-1.707 To 23.30 %

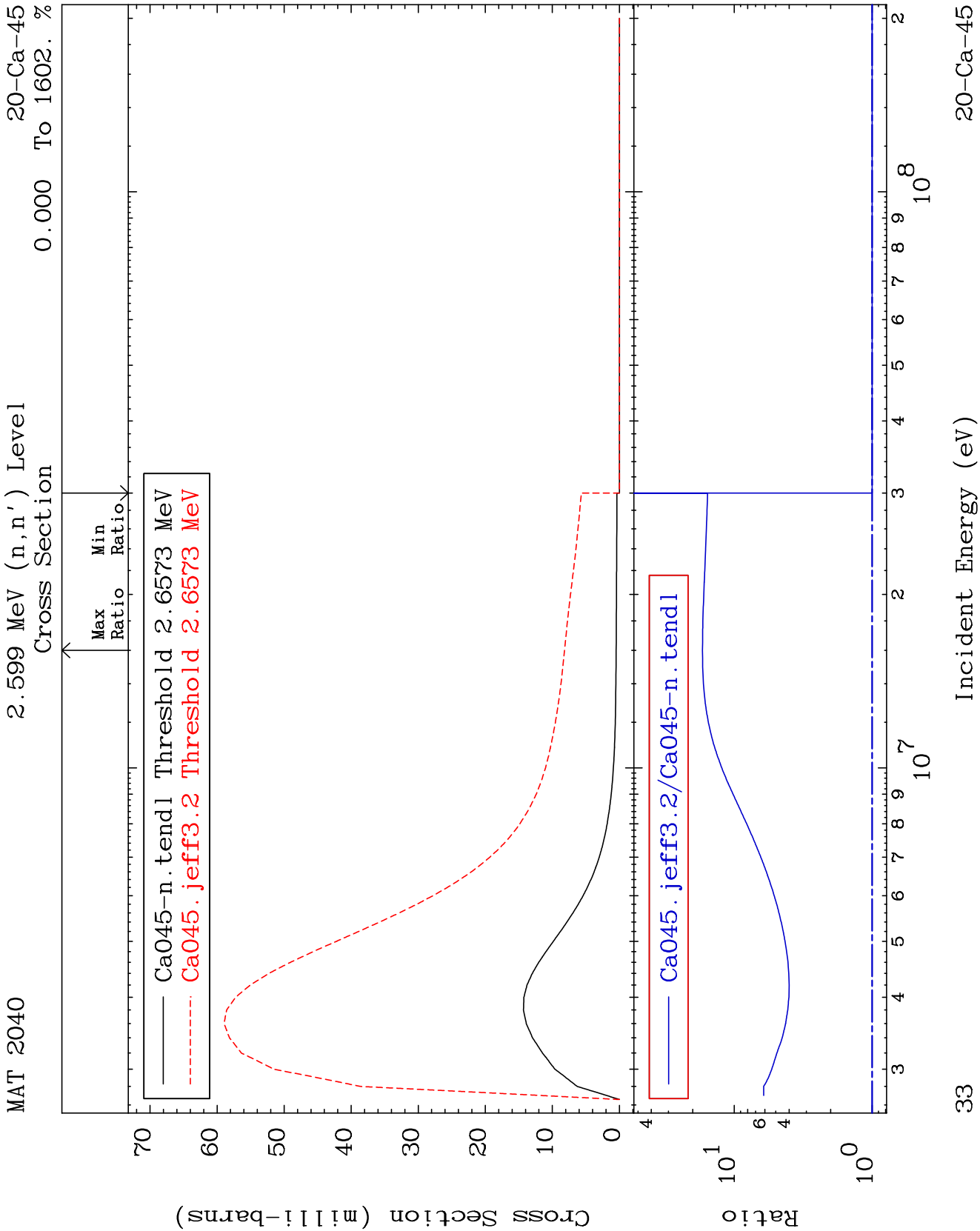


MAT 2040

2.523 MeV (n,n') Level
Cross Section

20-Ca-45
-4.674 To 25.56 %

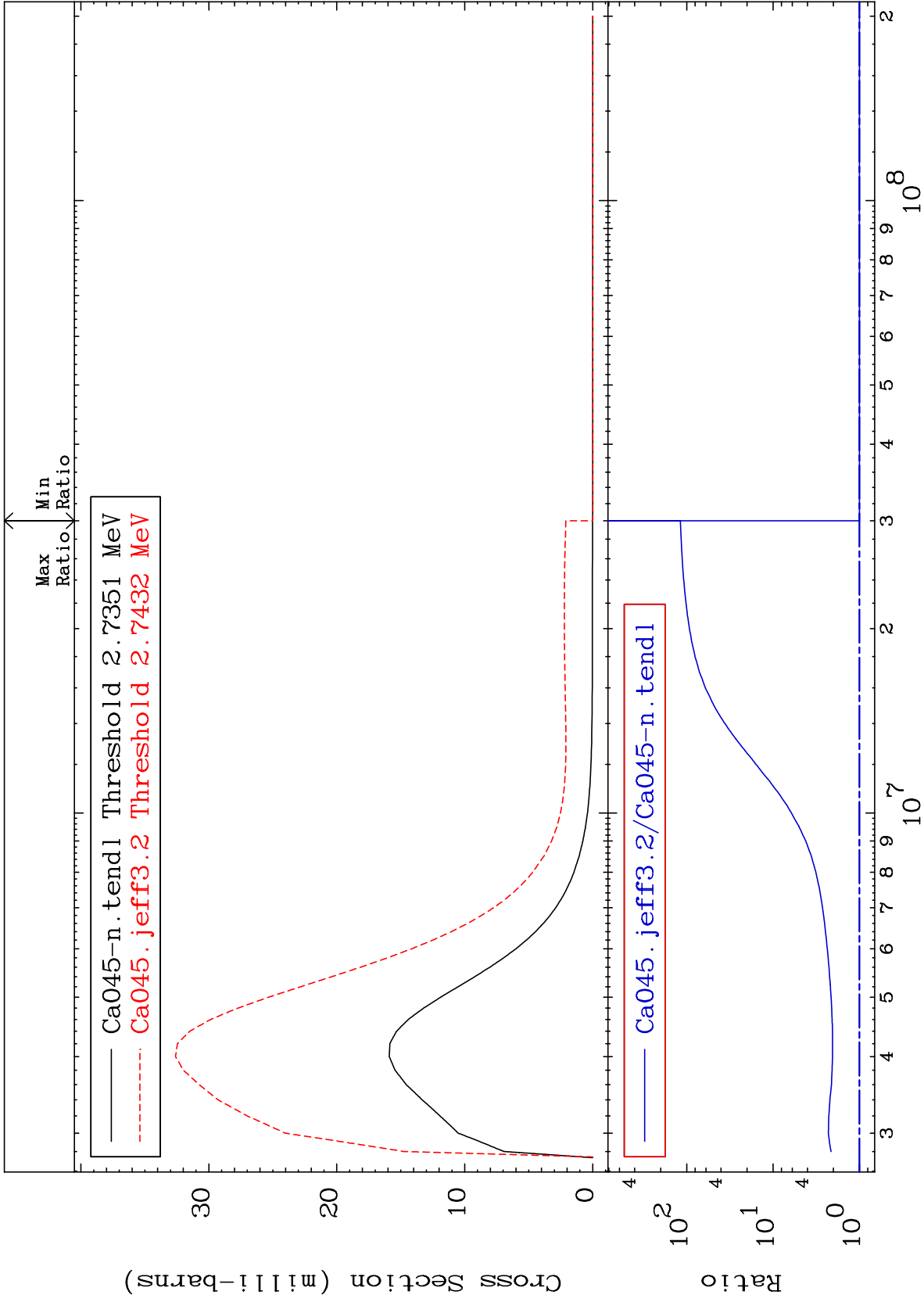




MAT 2040

2.675 MeV (n,n') Level
Cross Section

20-Ca-45
To 9999. %



34

Incident Energy (eV)

20-Ca-45

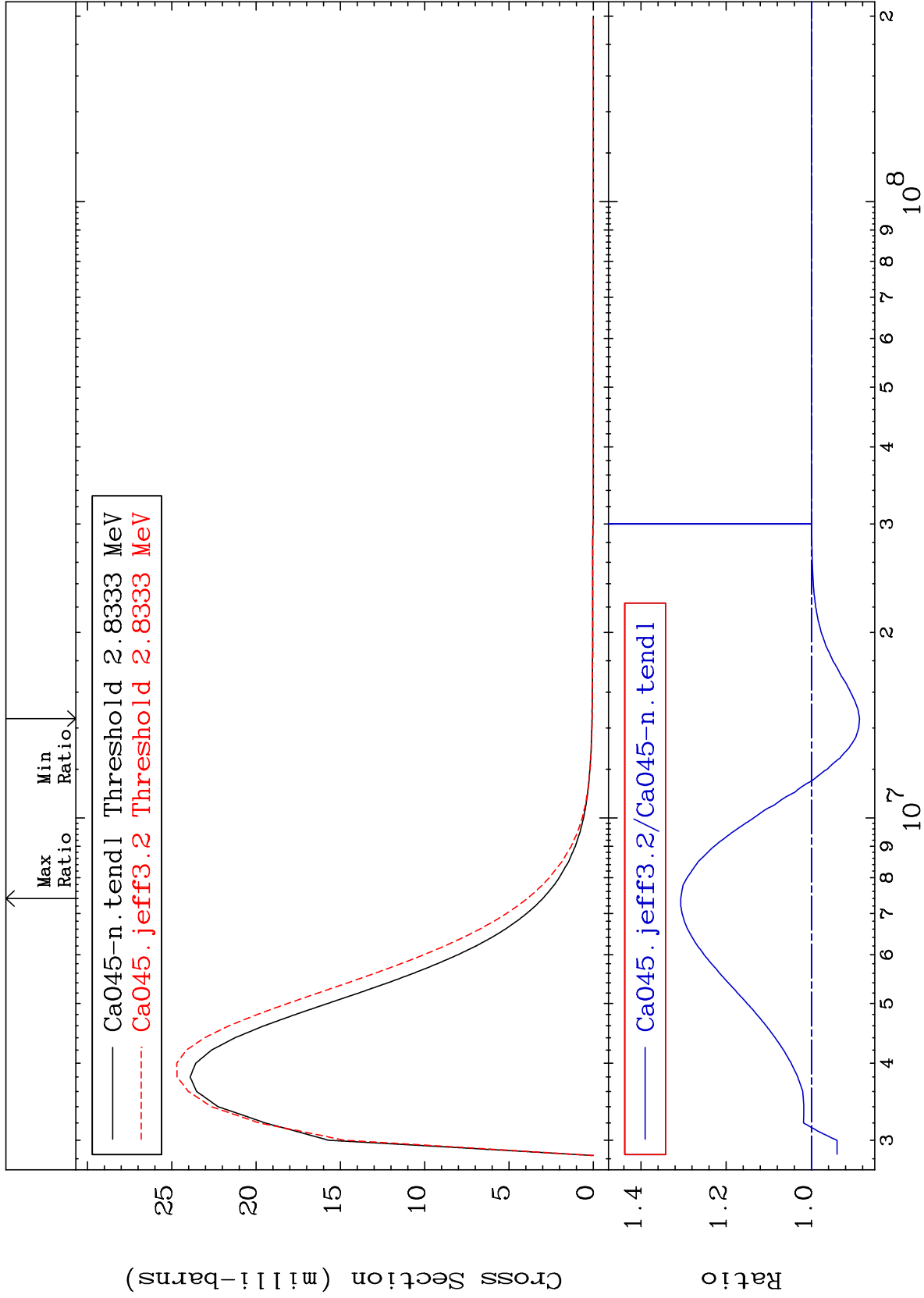
MAT 2040

2.771 MeV (n,n') Level

20-Ca-45

-11.26 To 30.65 %

Cross Section



35

Incident Energy (eV)

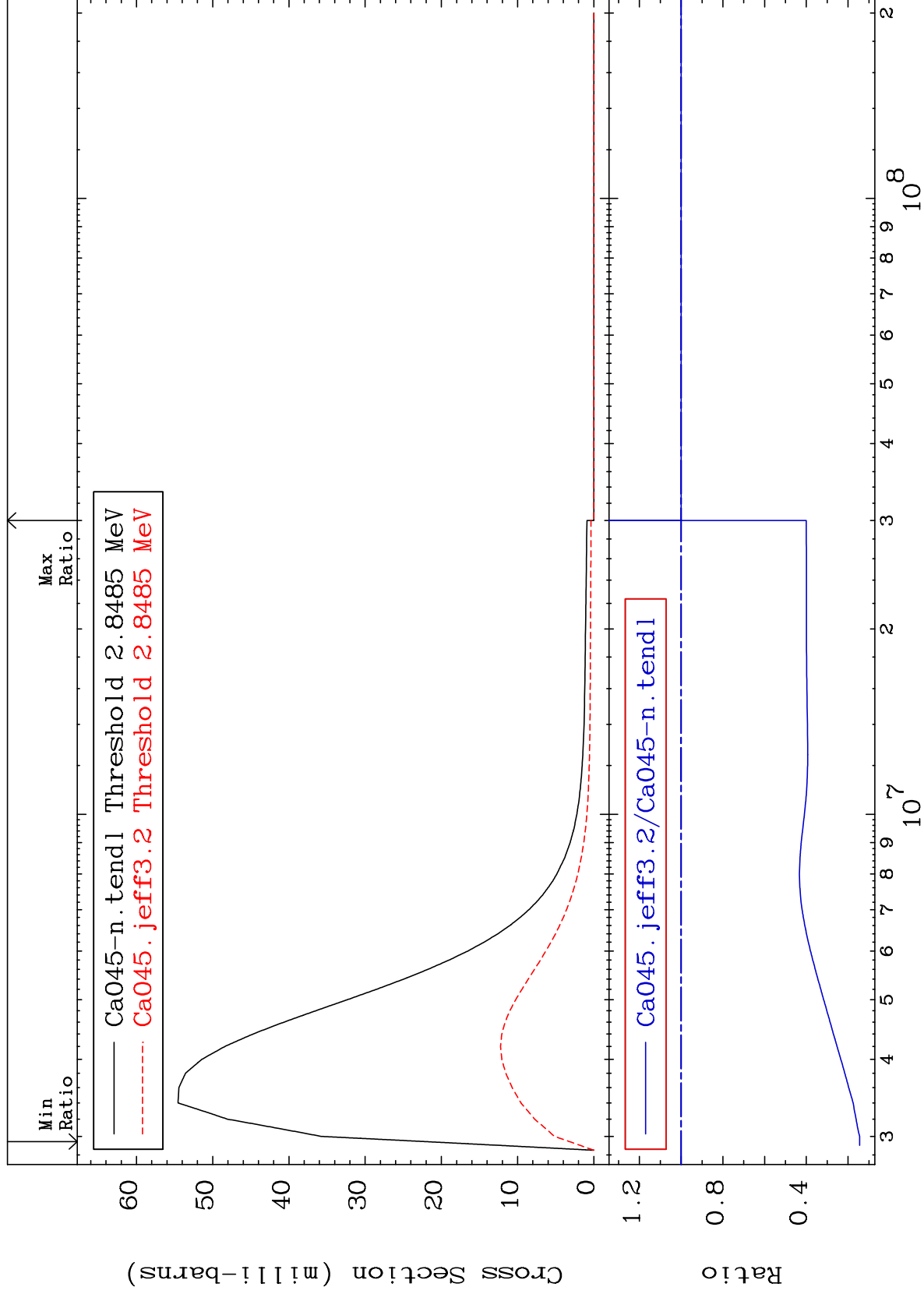
20-Ca-45

MAT 2040

2.786 MeV (n,n') Level

20-Ca-45

-85.56 To 0.000 %



36

Incident Energy (eV)

20-Ca-45

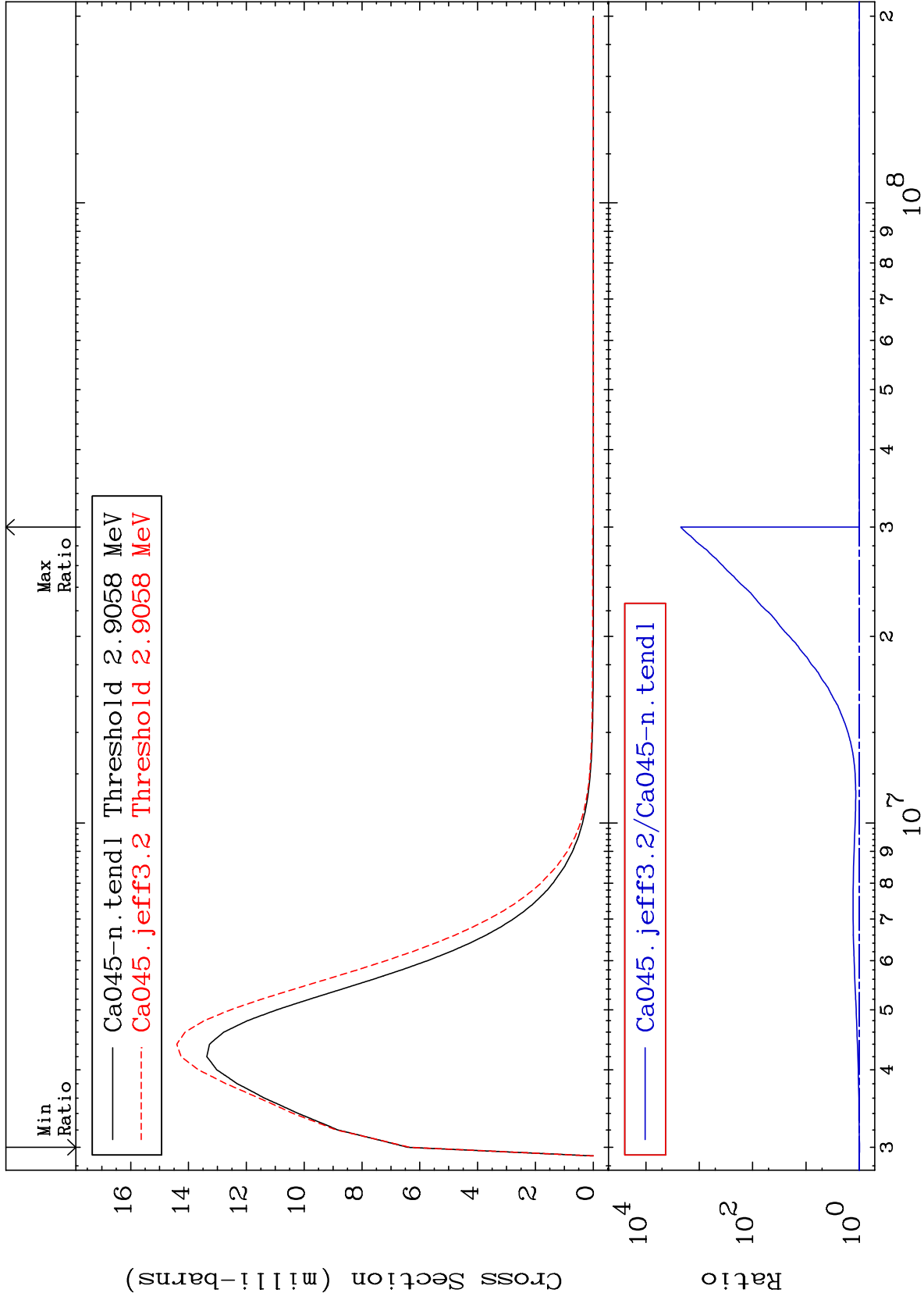
MAT 2040

2.842 MeV (n,n') Level

20-Ca-45

-1.034 To 9999. %

Cross Section

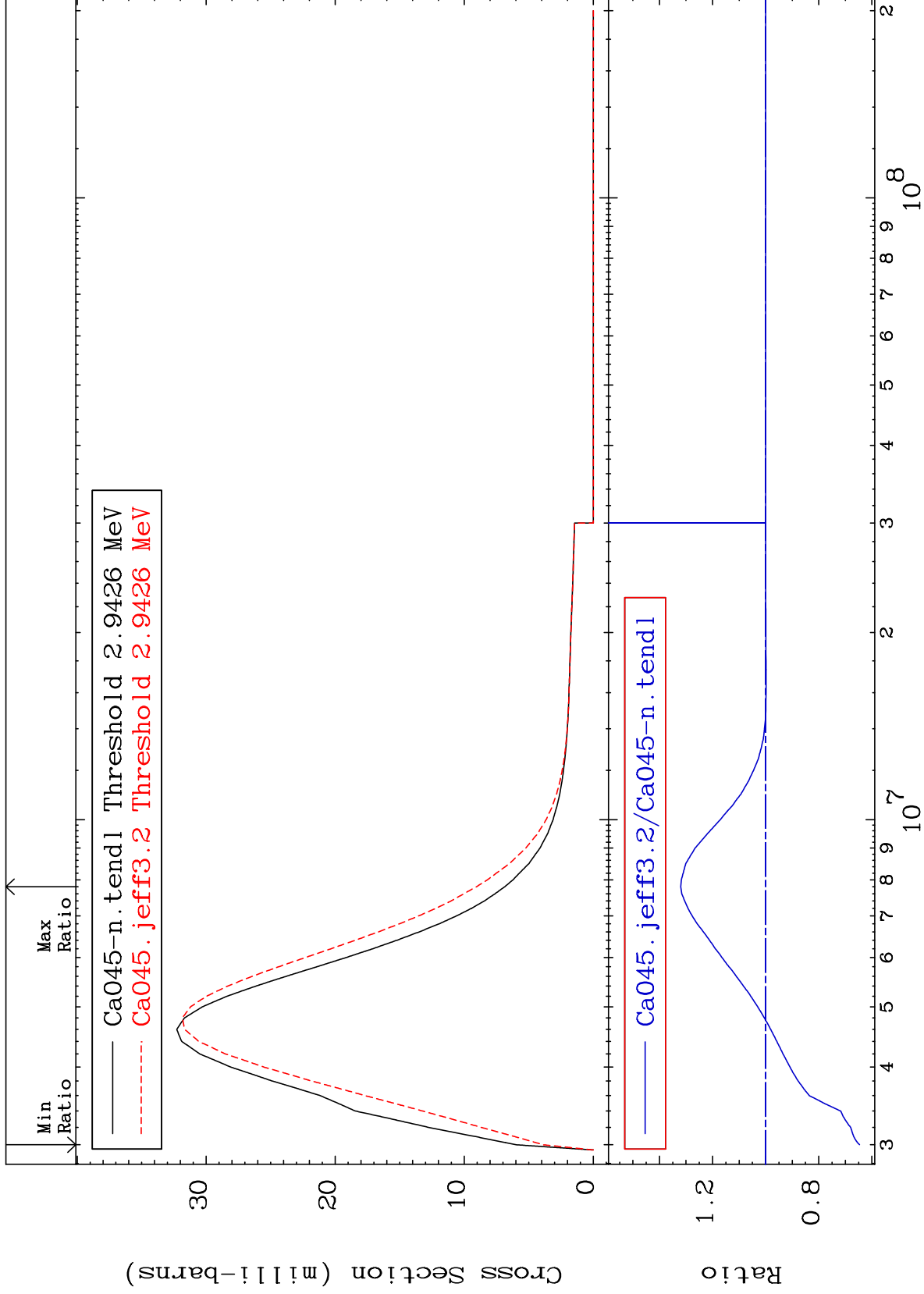


37

MAT 2040

2.878 MeV (n,n') Level
Cross Section

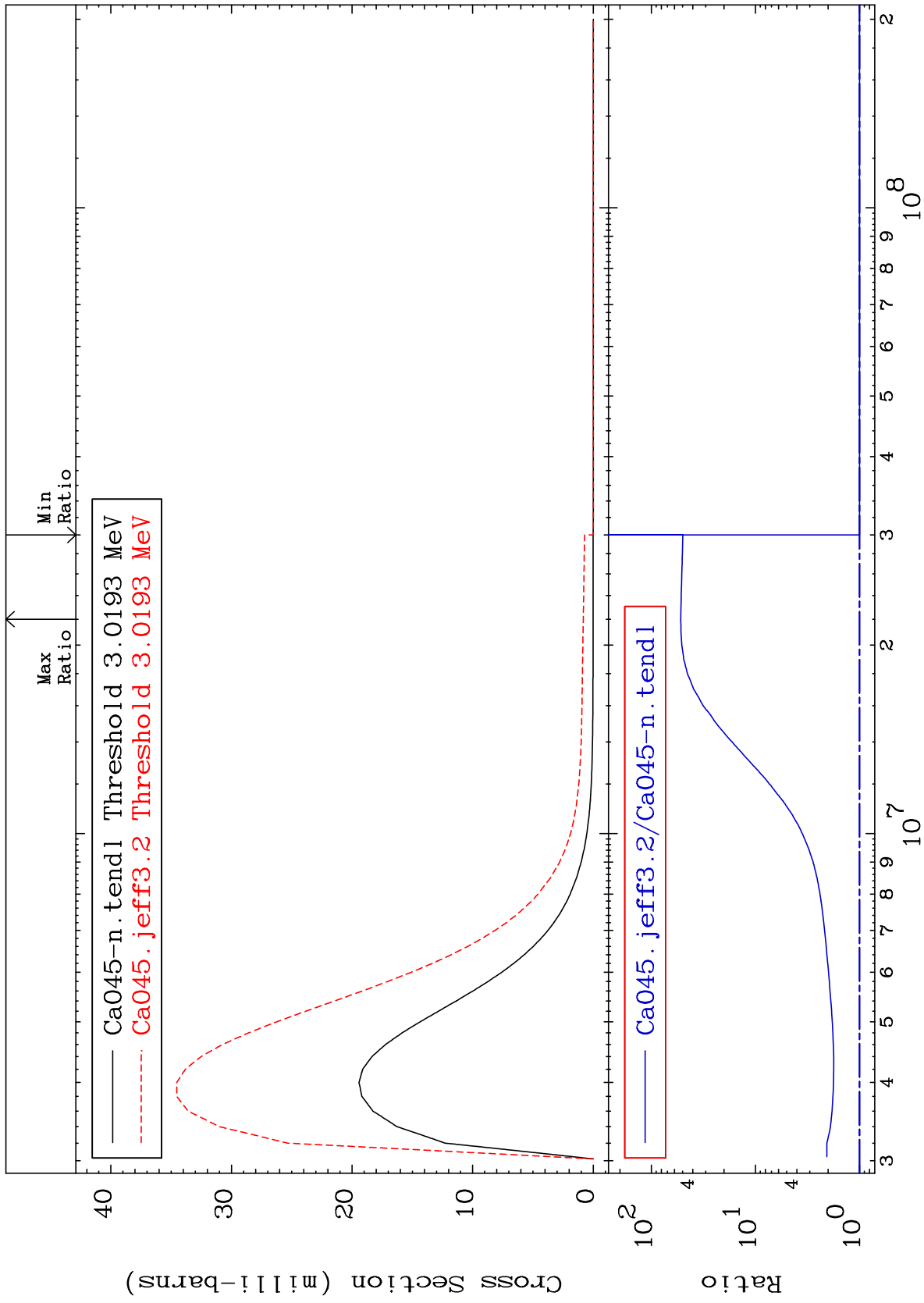
20-Ca-45
-35.35 To 31.98 %



38

20-Ca-45

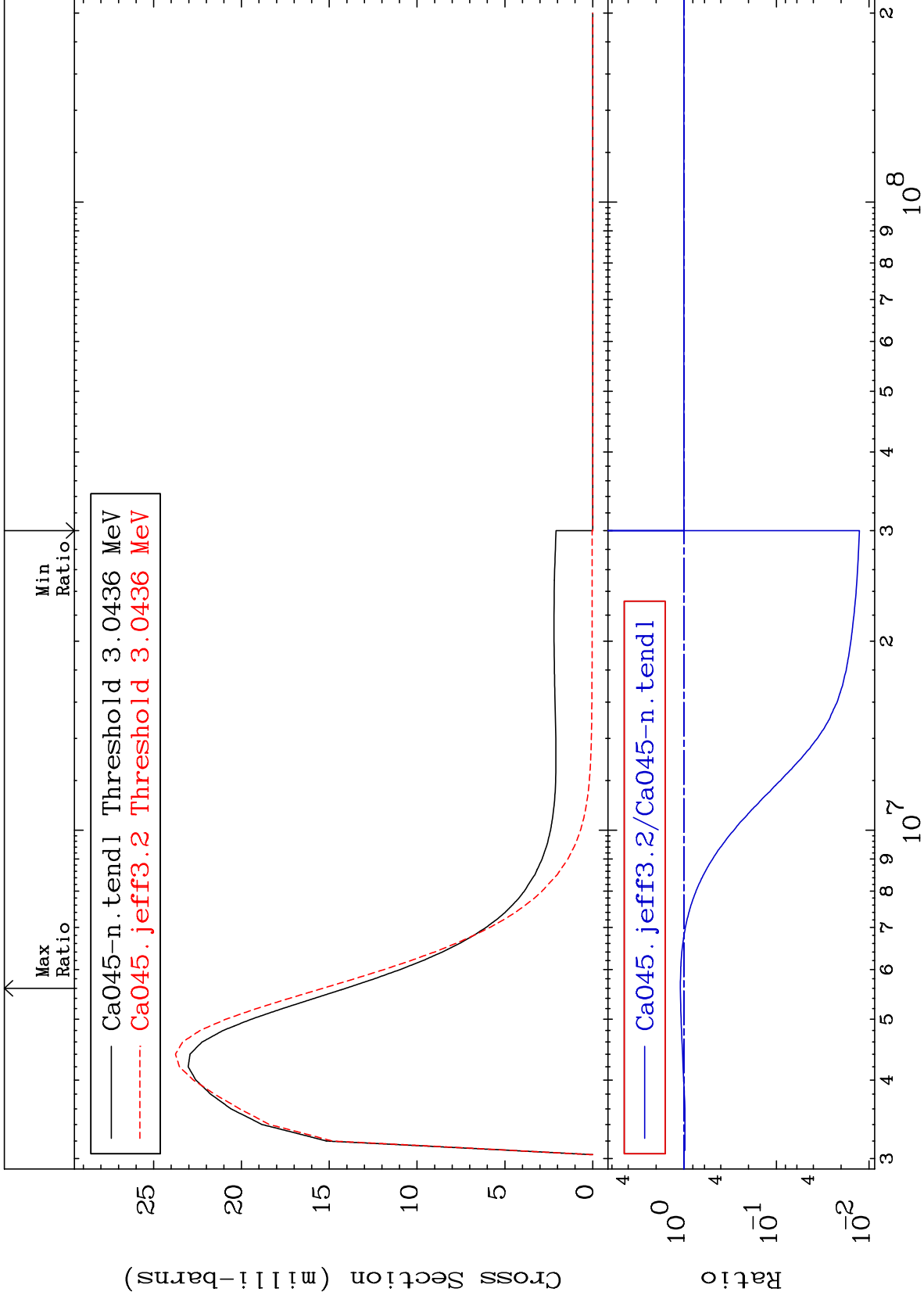
MAT 2040 2.953 MeV (n,n') Level Cross Section 20-Ca-45 To 5113. %



MAT 2040

2.977 MeV (n,n') Level
Cross Section

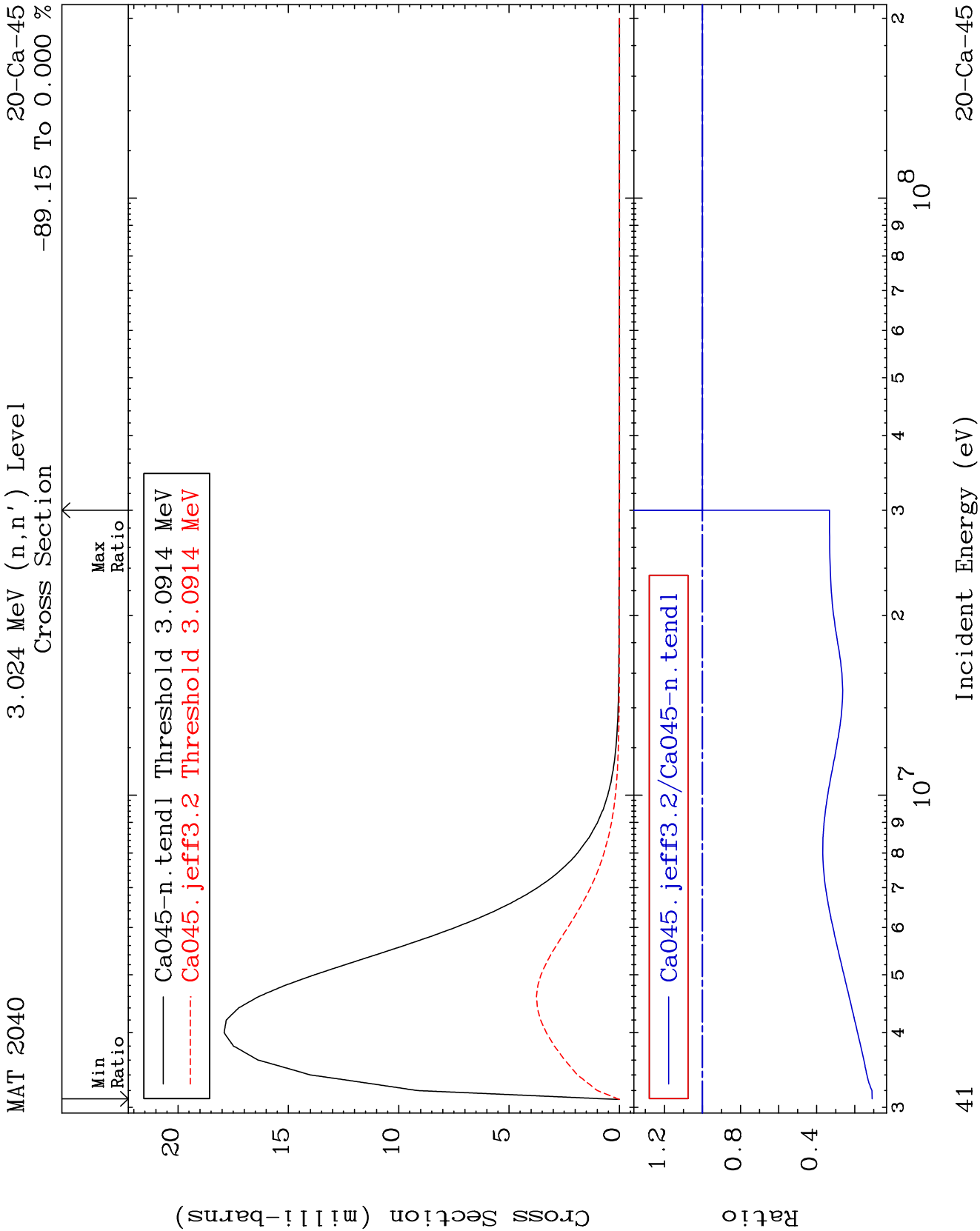
20-Ca-45
-98.73 To 9.287 %

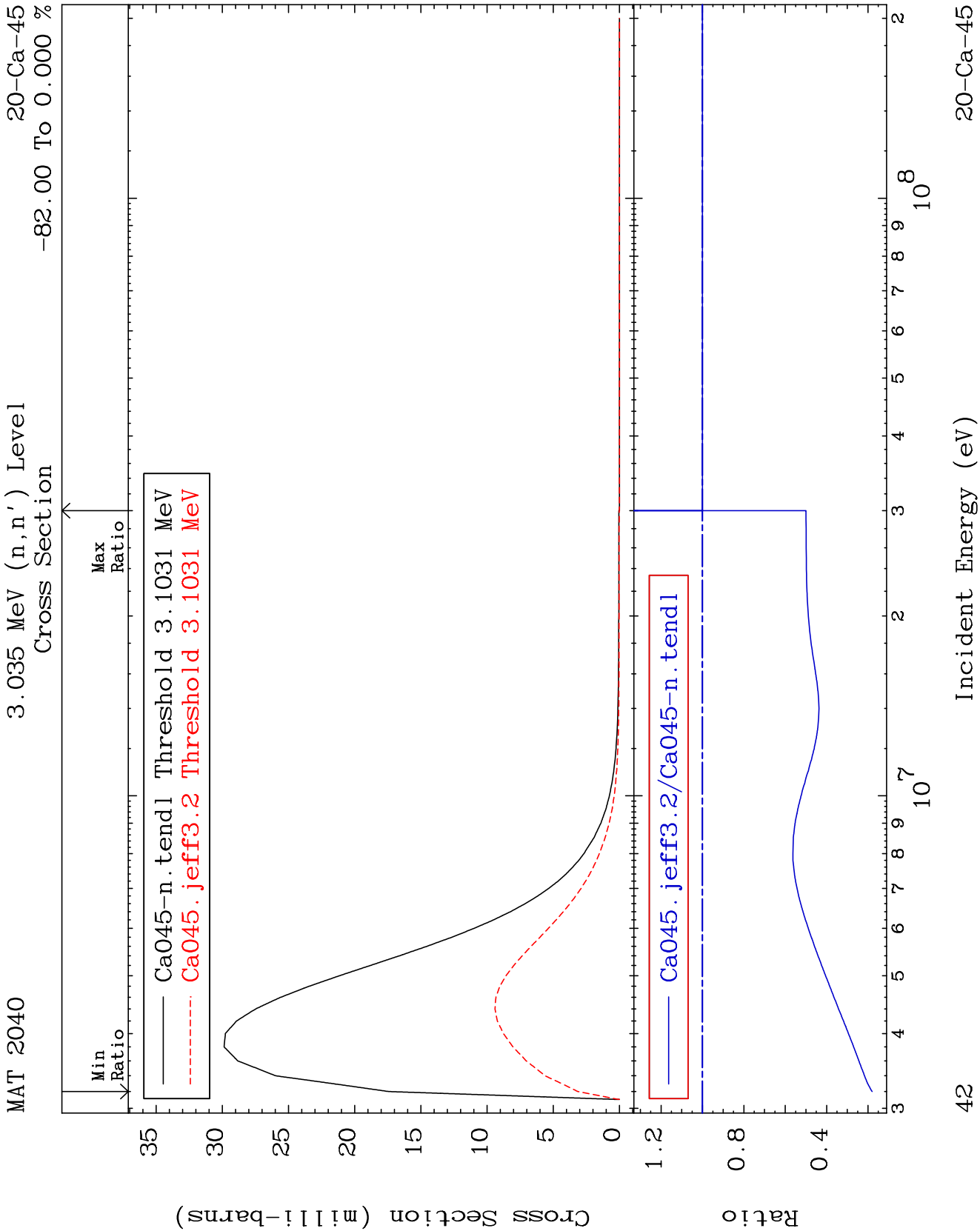


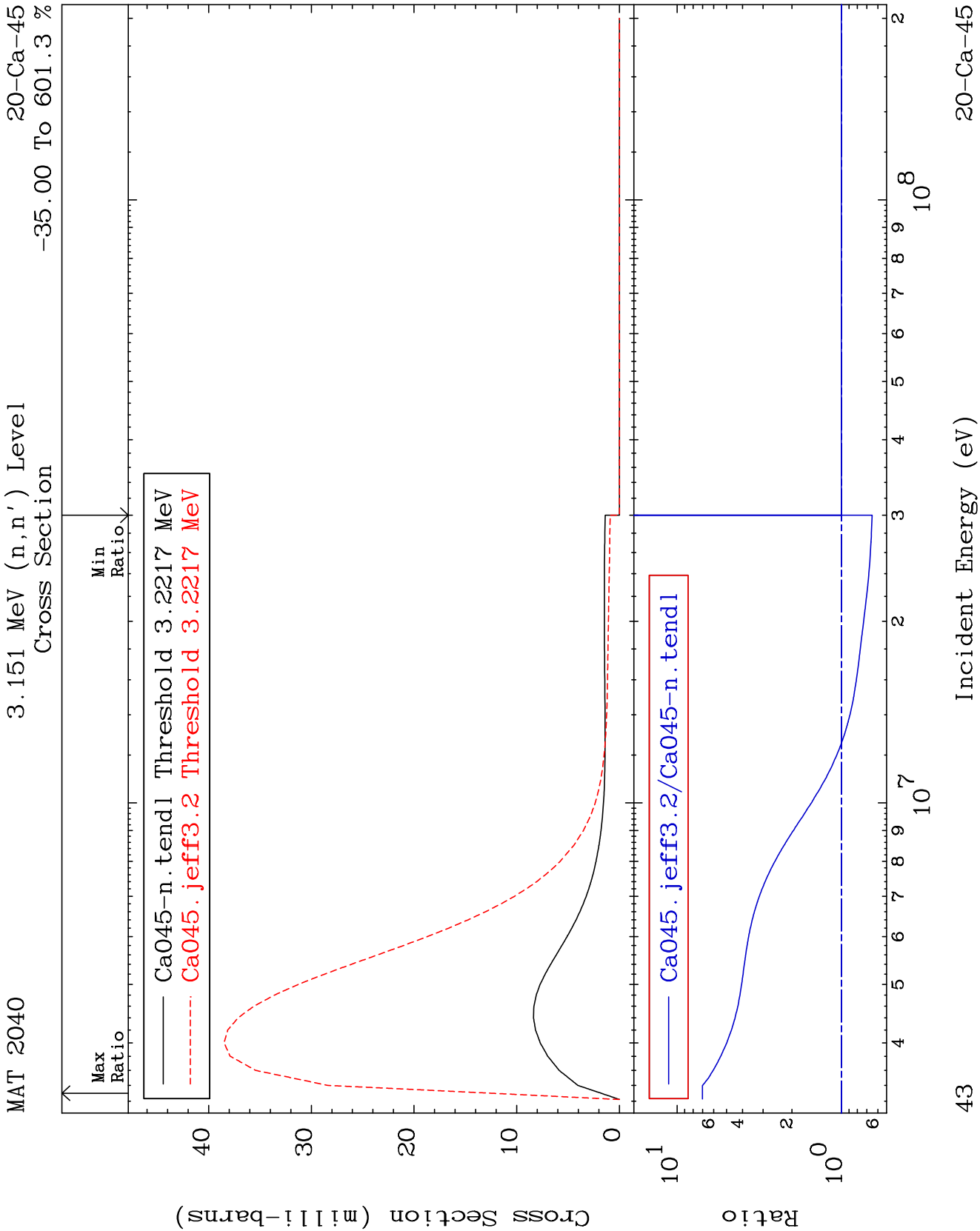
40

Incident Energy (eV)

20-Ca-45



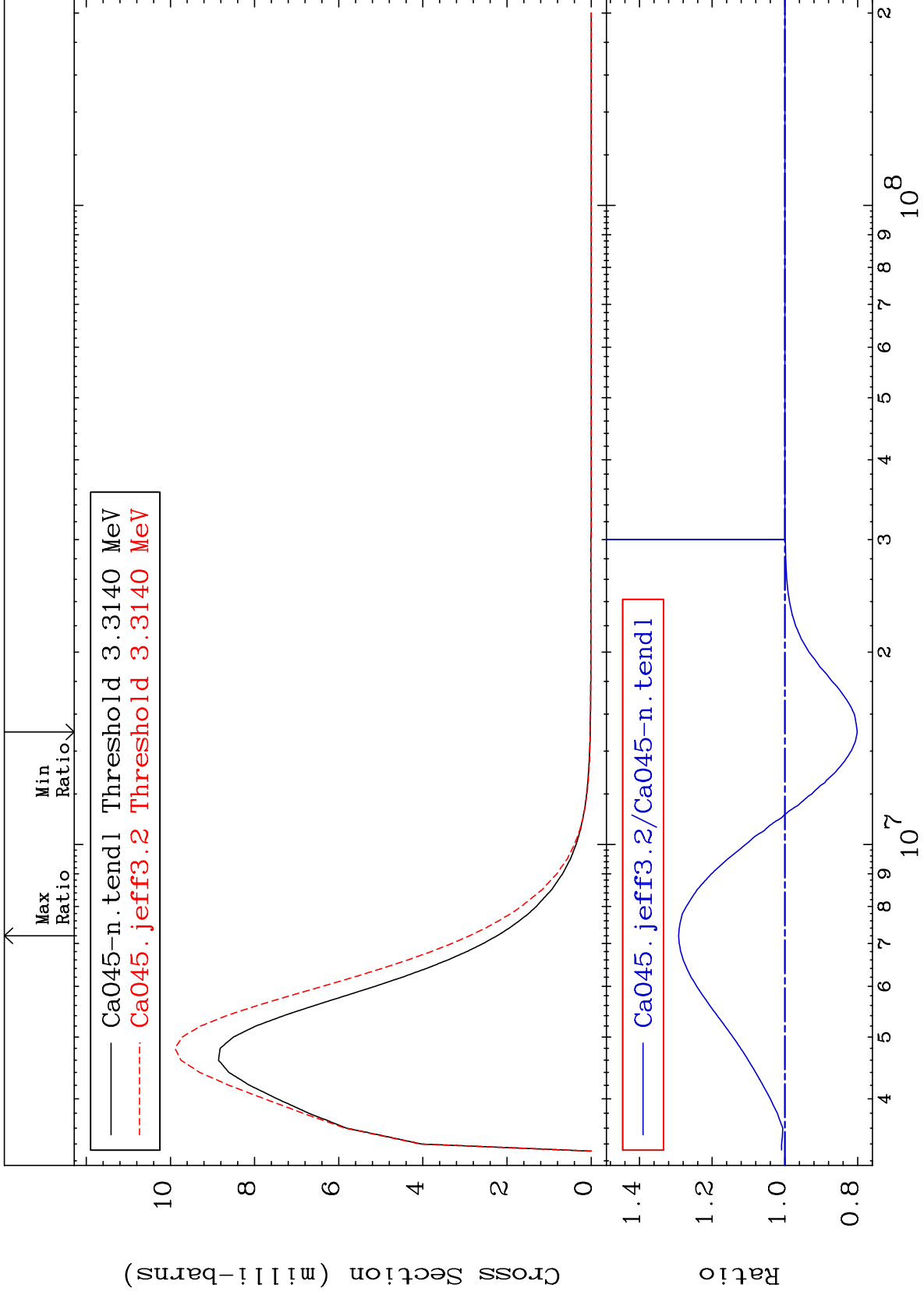




MAT 2040

3.241 MeV (n,n') Level
Cross Section

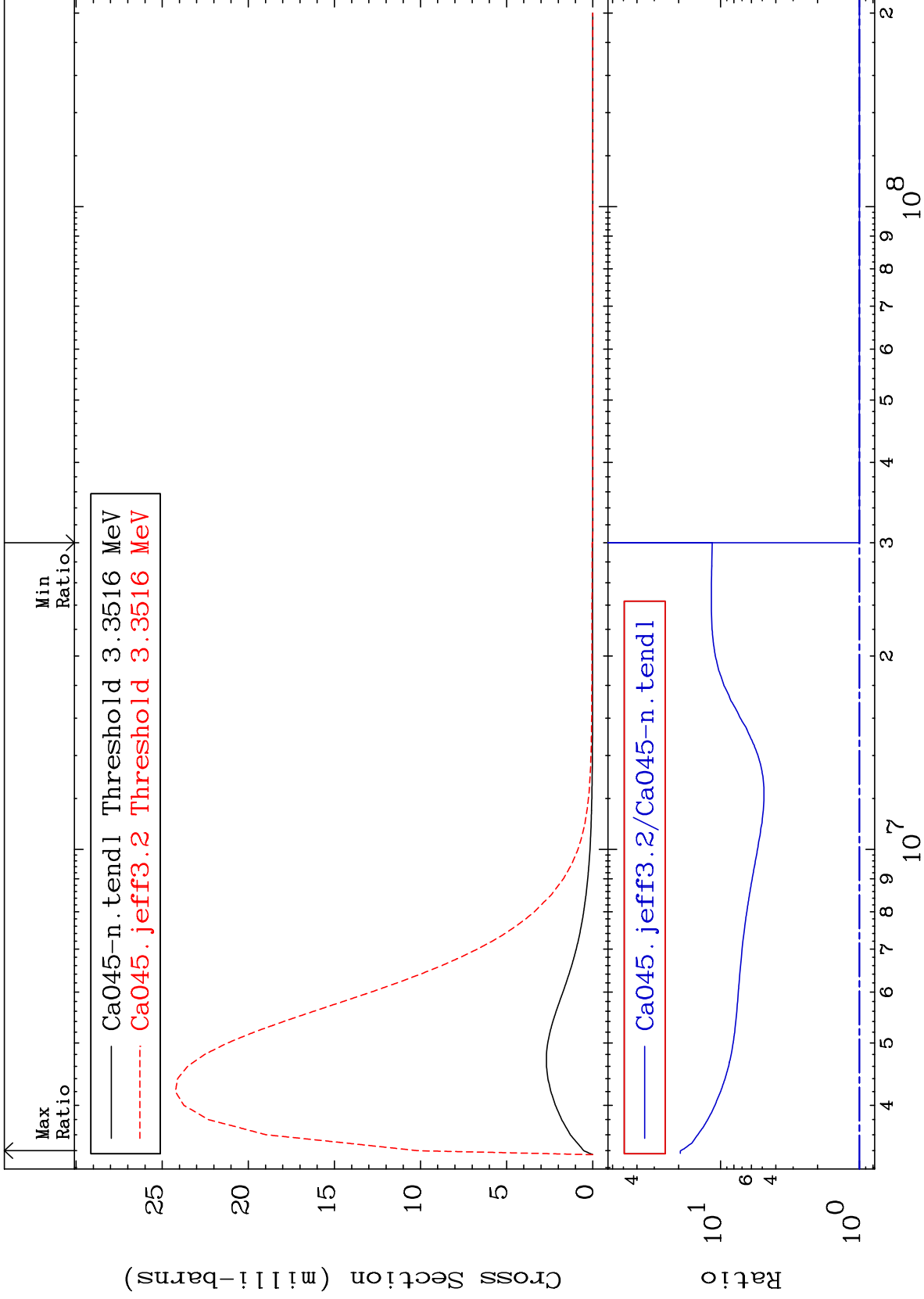
20-Ca-45
-19.89 To 29.22 %



MAT 2040

3.278 MeV (n,n') Level
Cross Section

0.000 To 1846. %
20-Ca-45



45

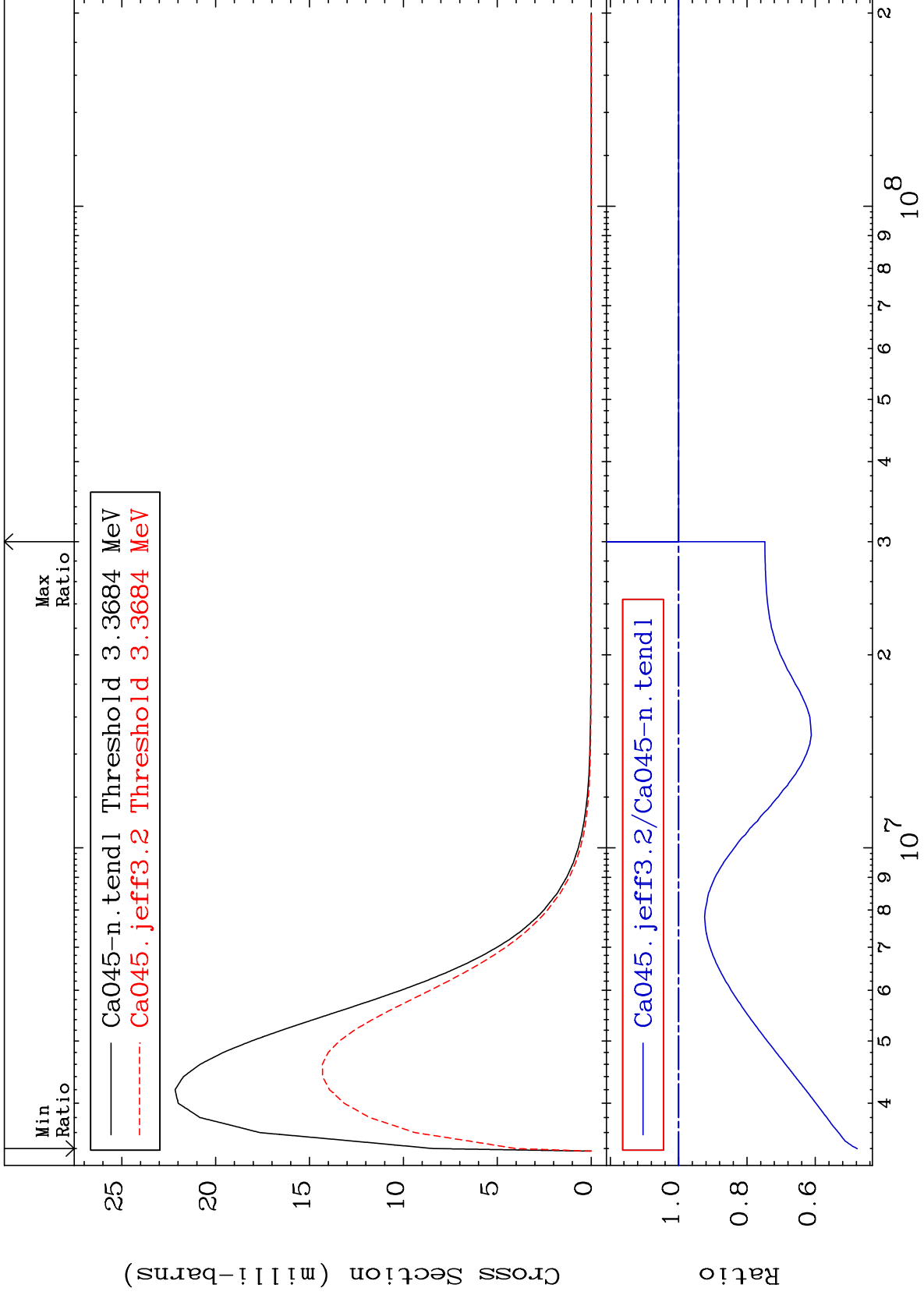
Incident Energy (eV)

20-Ca-45

MAT 2040

3.294 MeV (n,n') Level
Cross Section

20-Ca-45
-52.27 To 0.000 %



46

Incident Energy (eV)

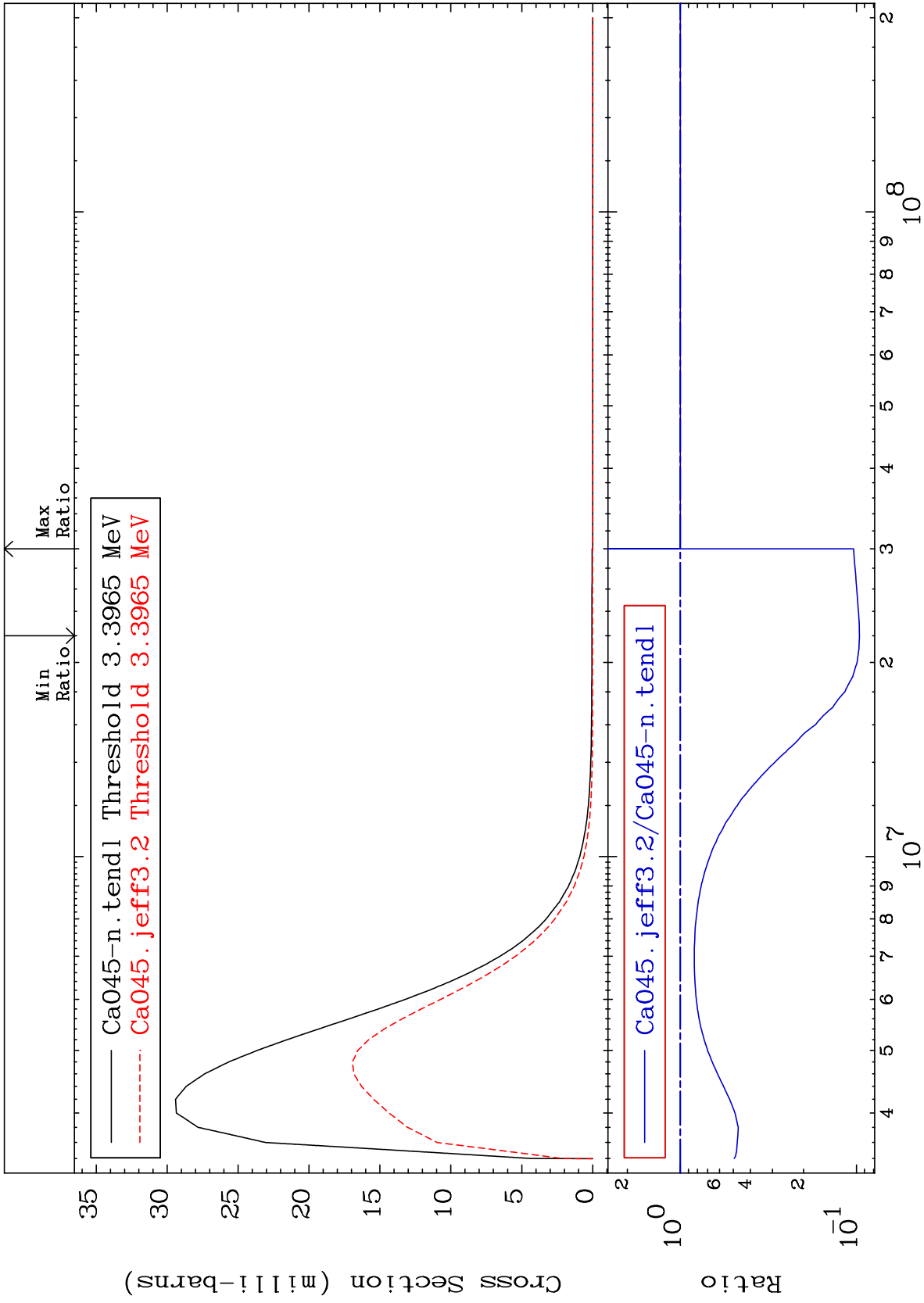
20-Ca-45

MAT 2040

3.322 MeV (n,n') Level

20-Ca-45

-90.38 To 0.000 %



47

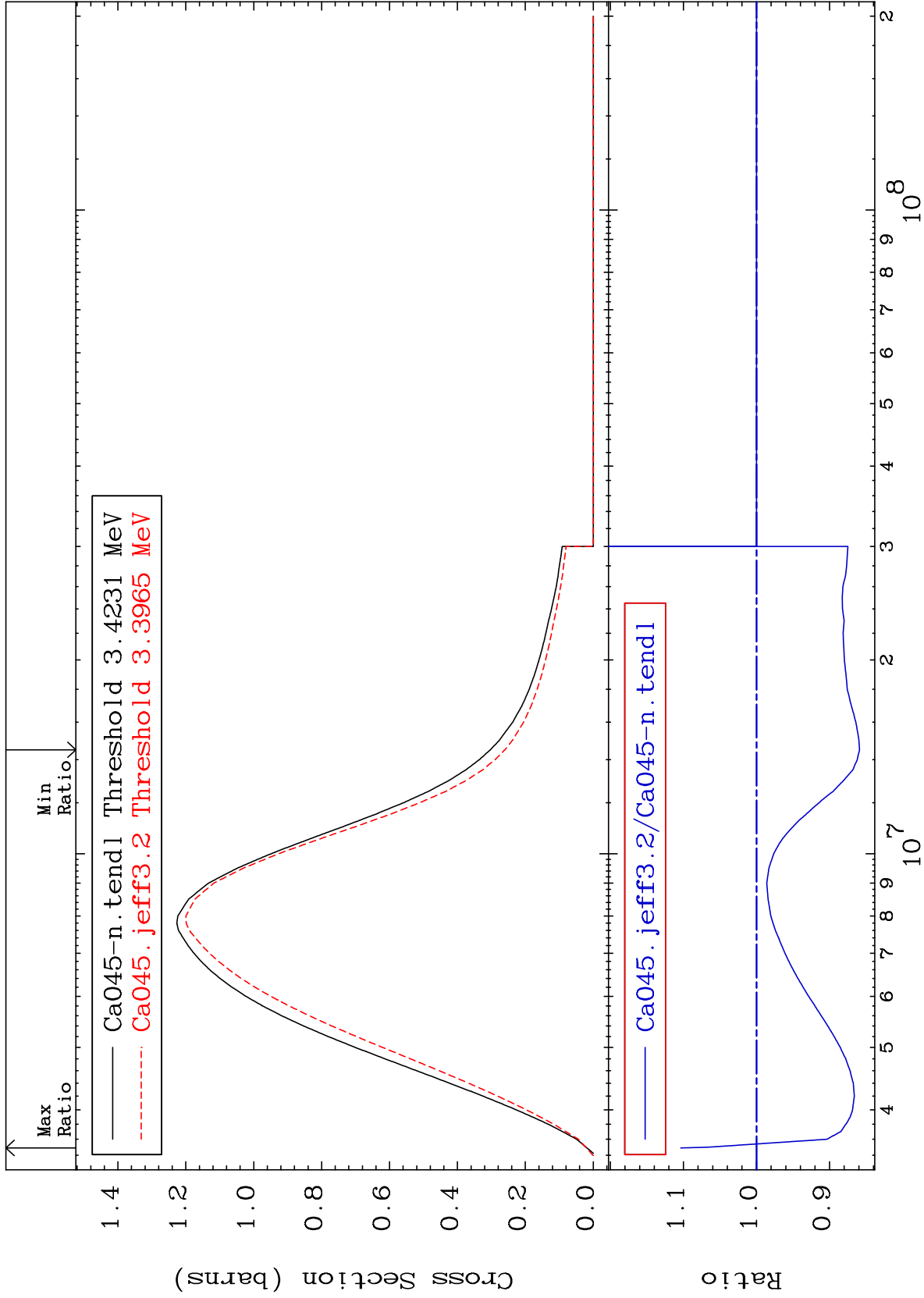
Incident Energy (eV)

20-Ca-45

MAT 2040

(n, n') Continuum
Cross Section

20-Ca-45
-14.10 To 10.37 %



48

20-Ca-45

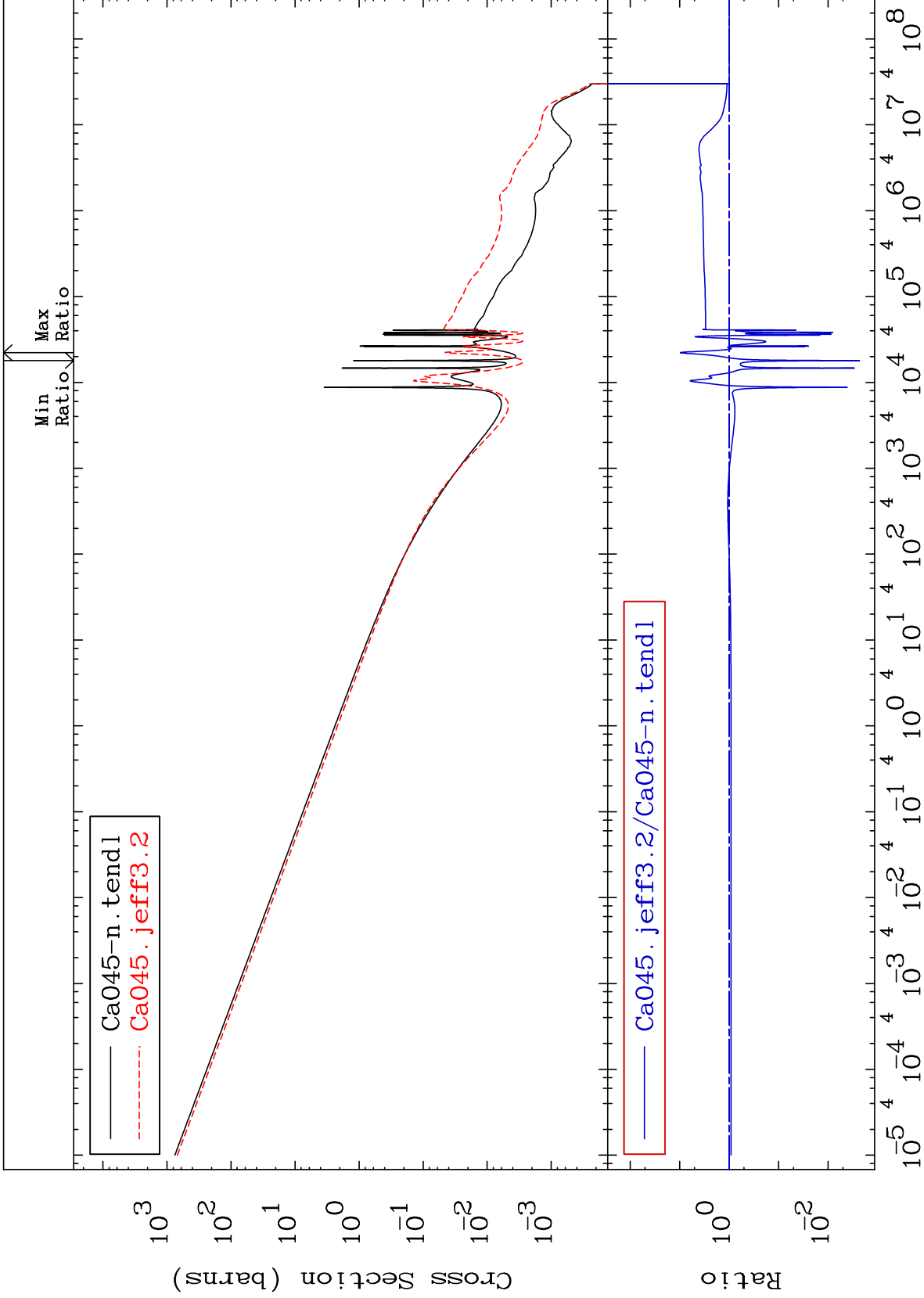
MAT 2040

(n, γ)

20-Ca-45

Cross Section

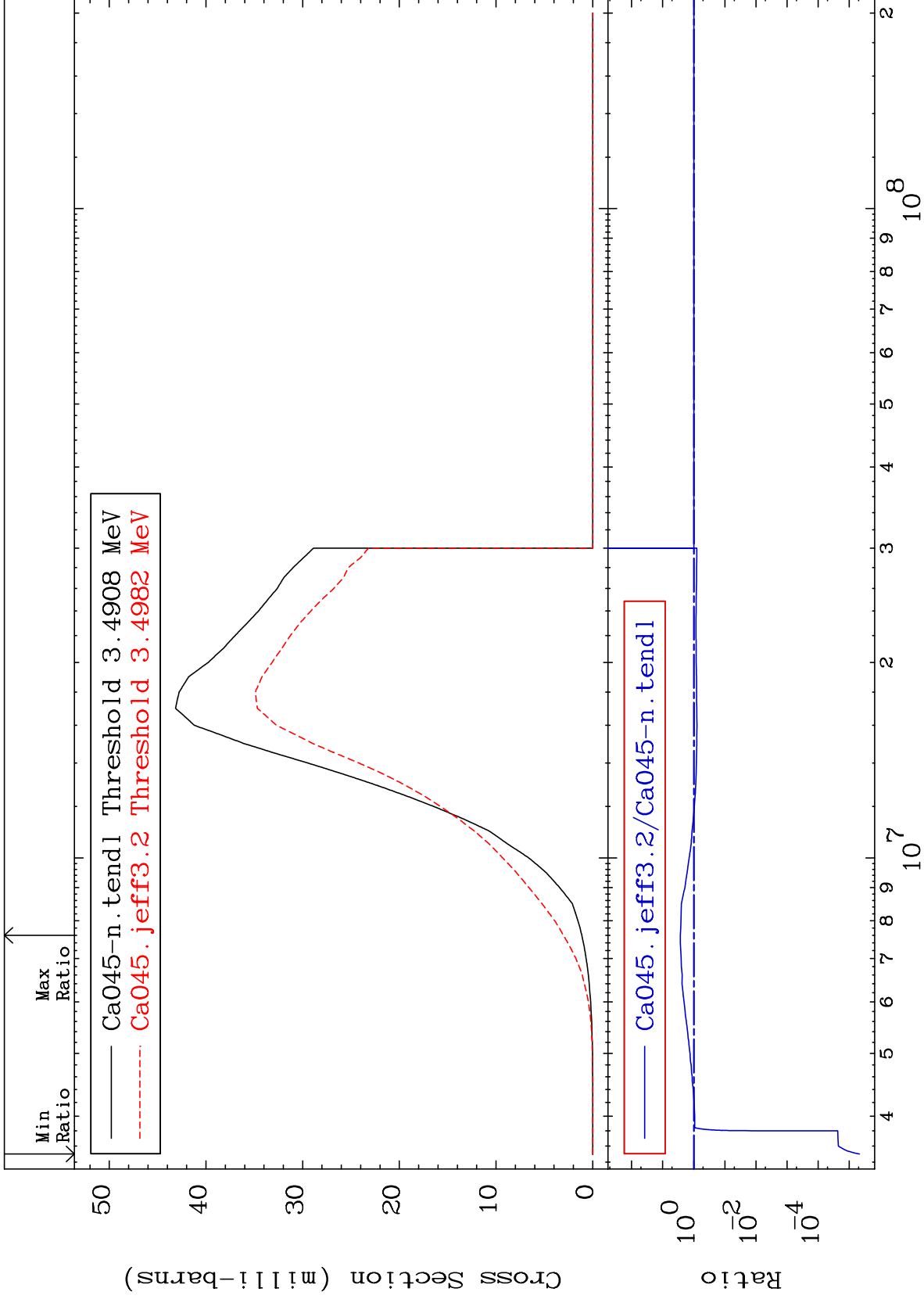
-99.77 To 878.2 %



MAT 2040

(n,p)
Cross Section

20-Ca-45
-100.0 To 170.1 %



50

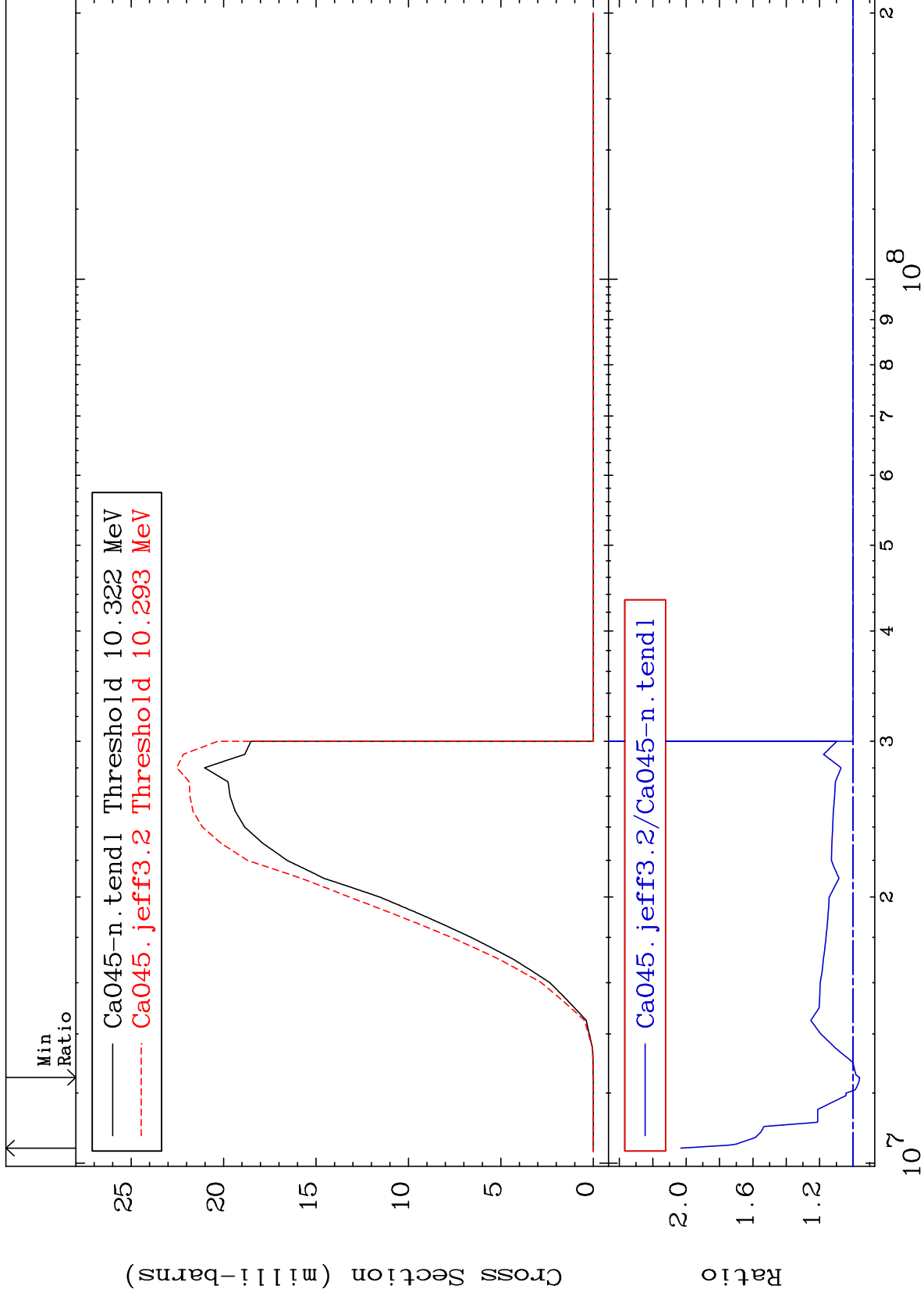
Incident Energy (eV)

20-Ca-45

MAT 2040

(n, d)
Cross Section

20-Ca-45
-3.894 To 103.2 %



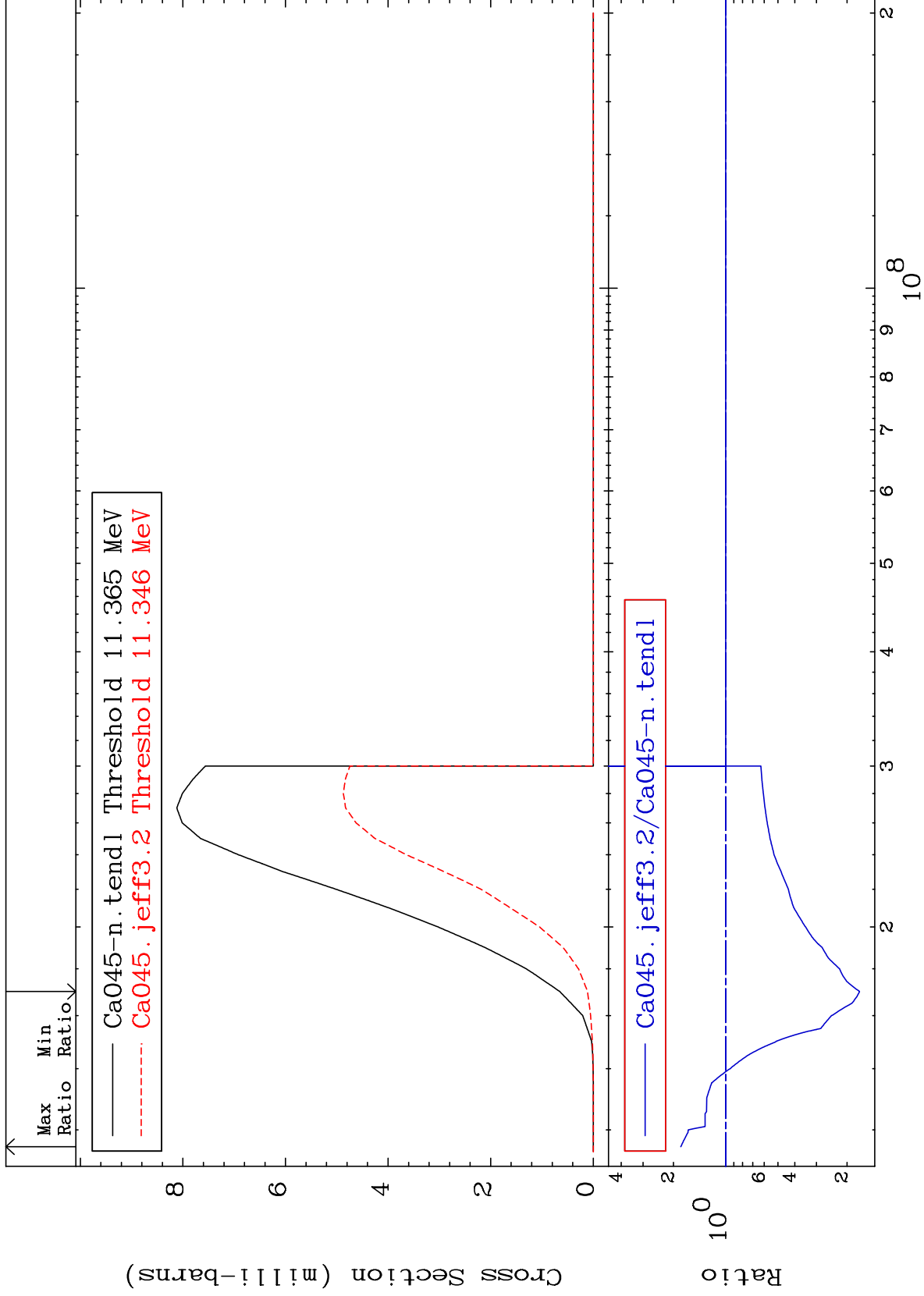
51

20-Ca-45

MAT 2040

(n, t)
Cross Section

20-Ca-45
-83.04 To 81.68 %



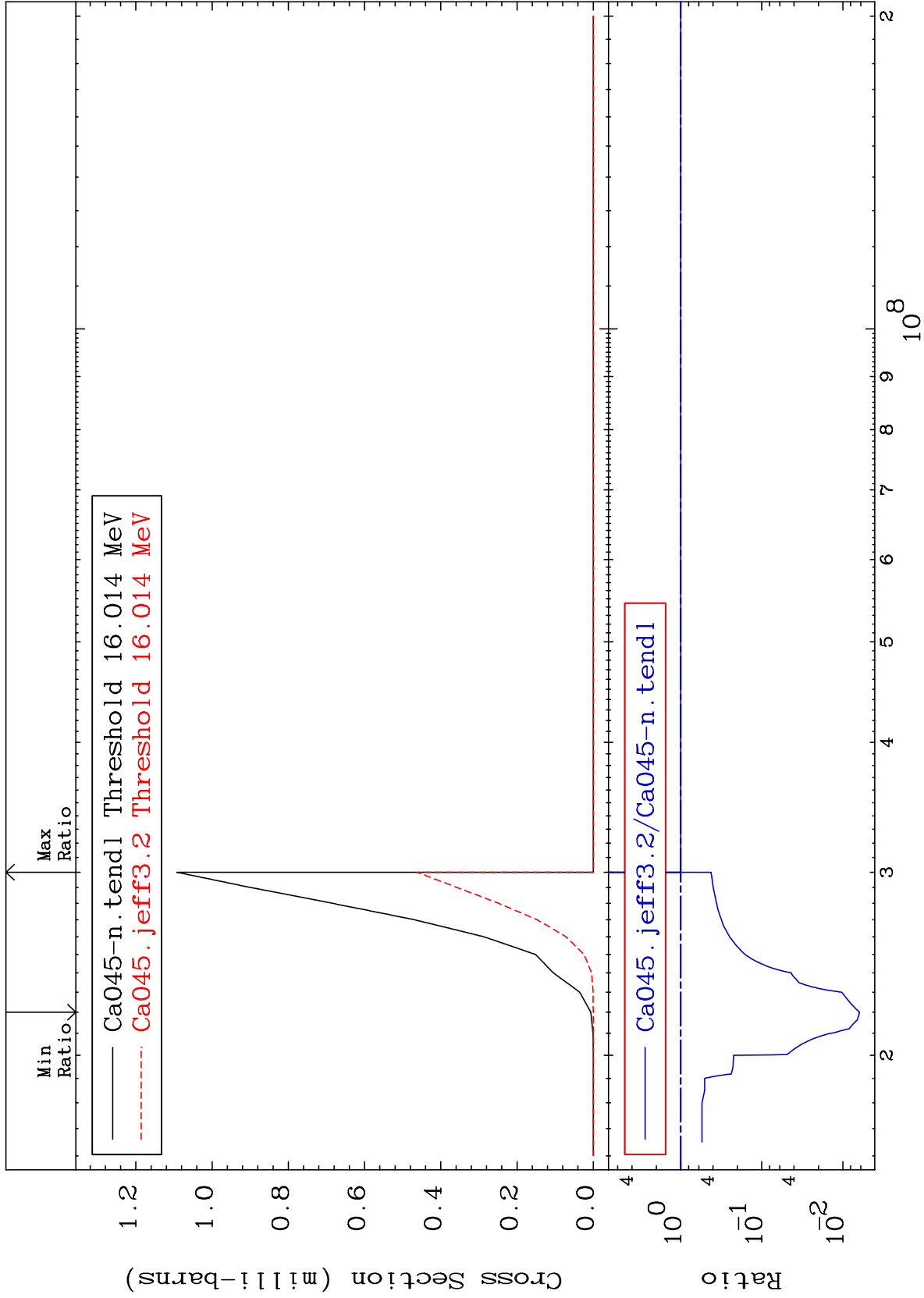
MAT 2040

(n, He-3)

20-Ca-45

Cross Section

-99.38 To 0.000 %

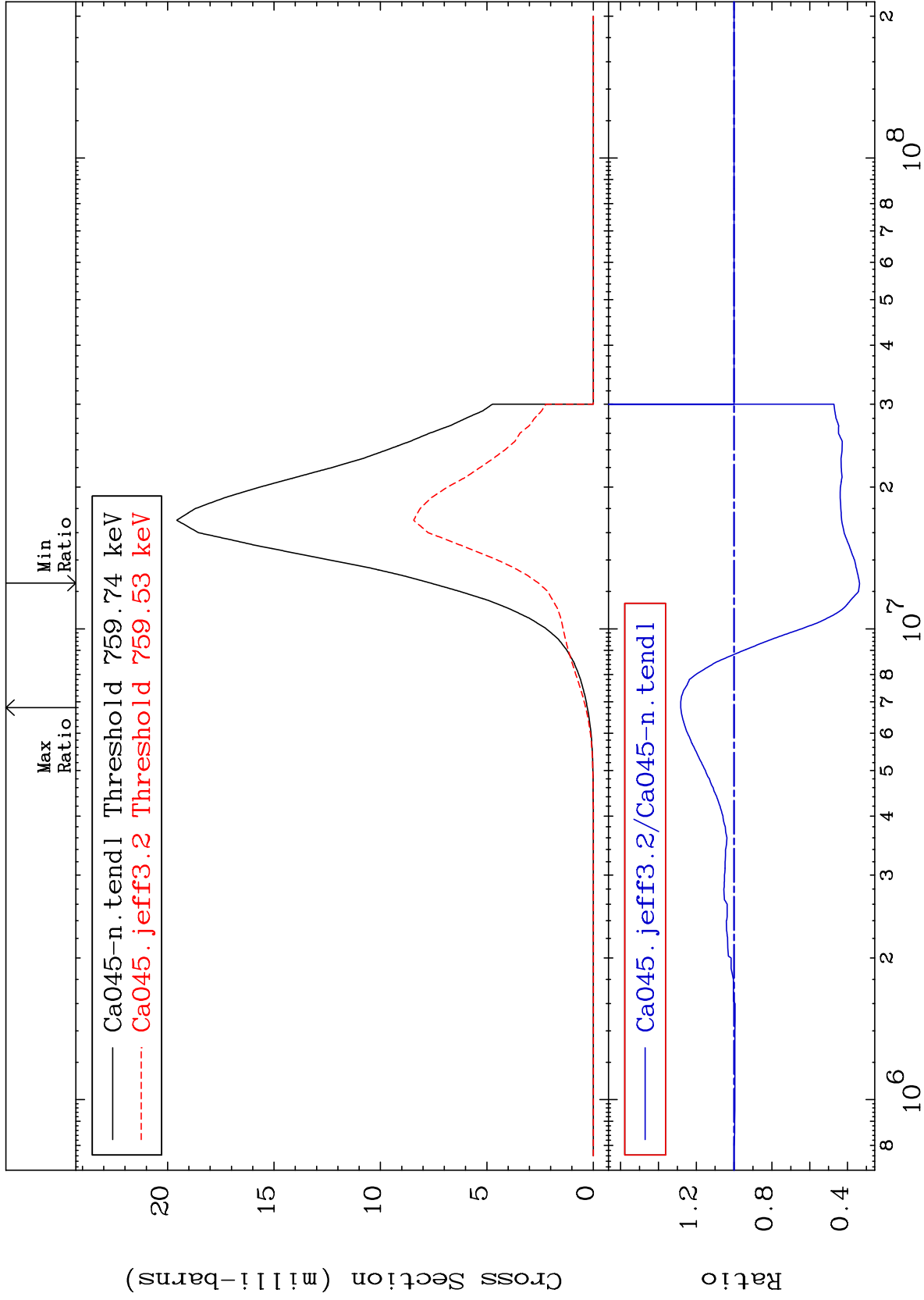


MAT 2040

20-Ca-45

-66.36 To 28.18 %

(n, α)
Cross Section



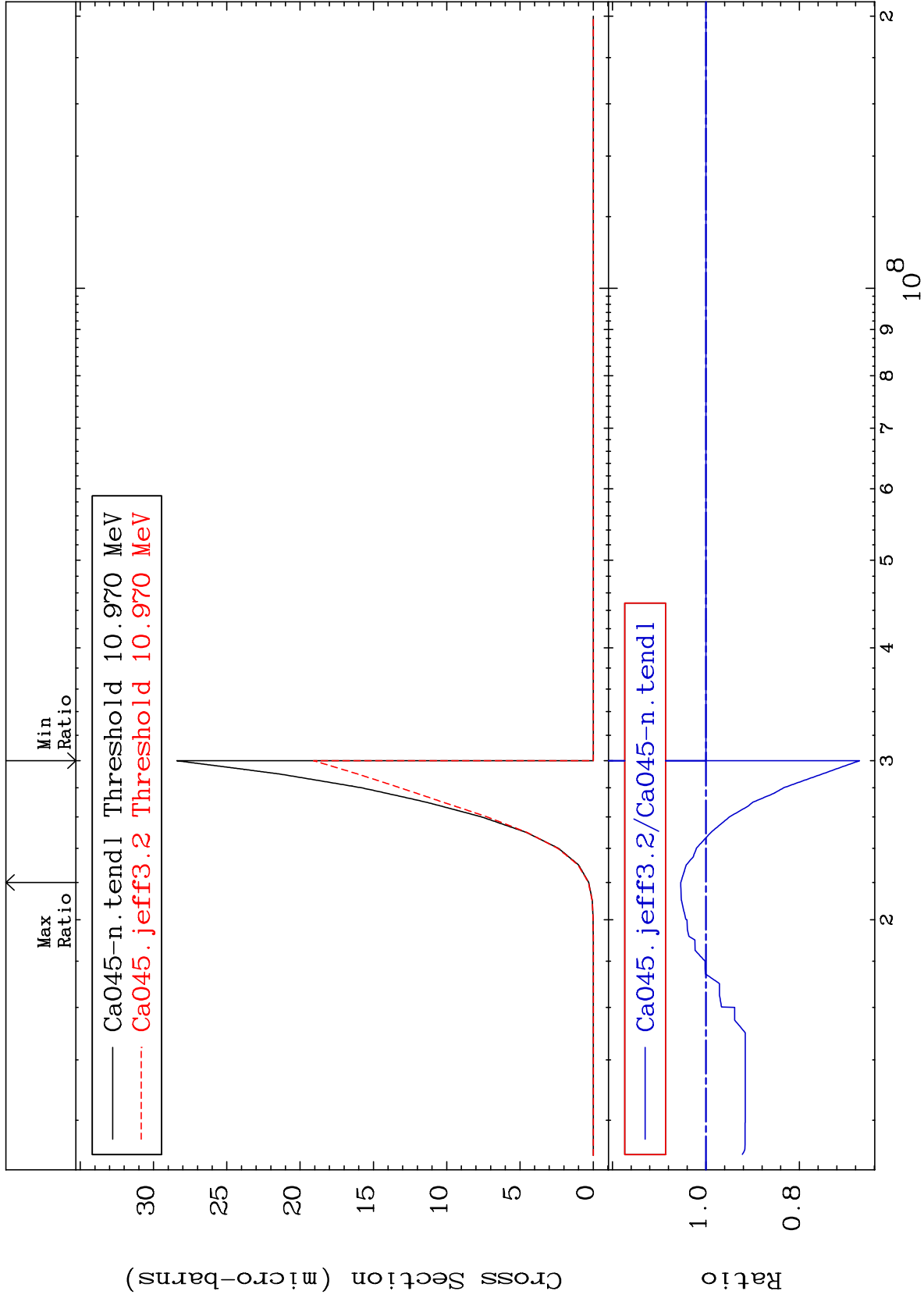
MAT 2040

(n,2α)

20-Ca-45

Cross Section

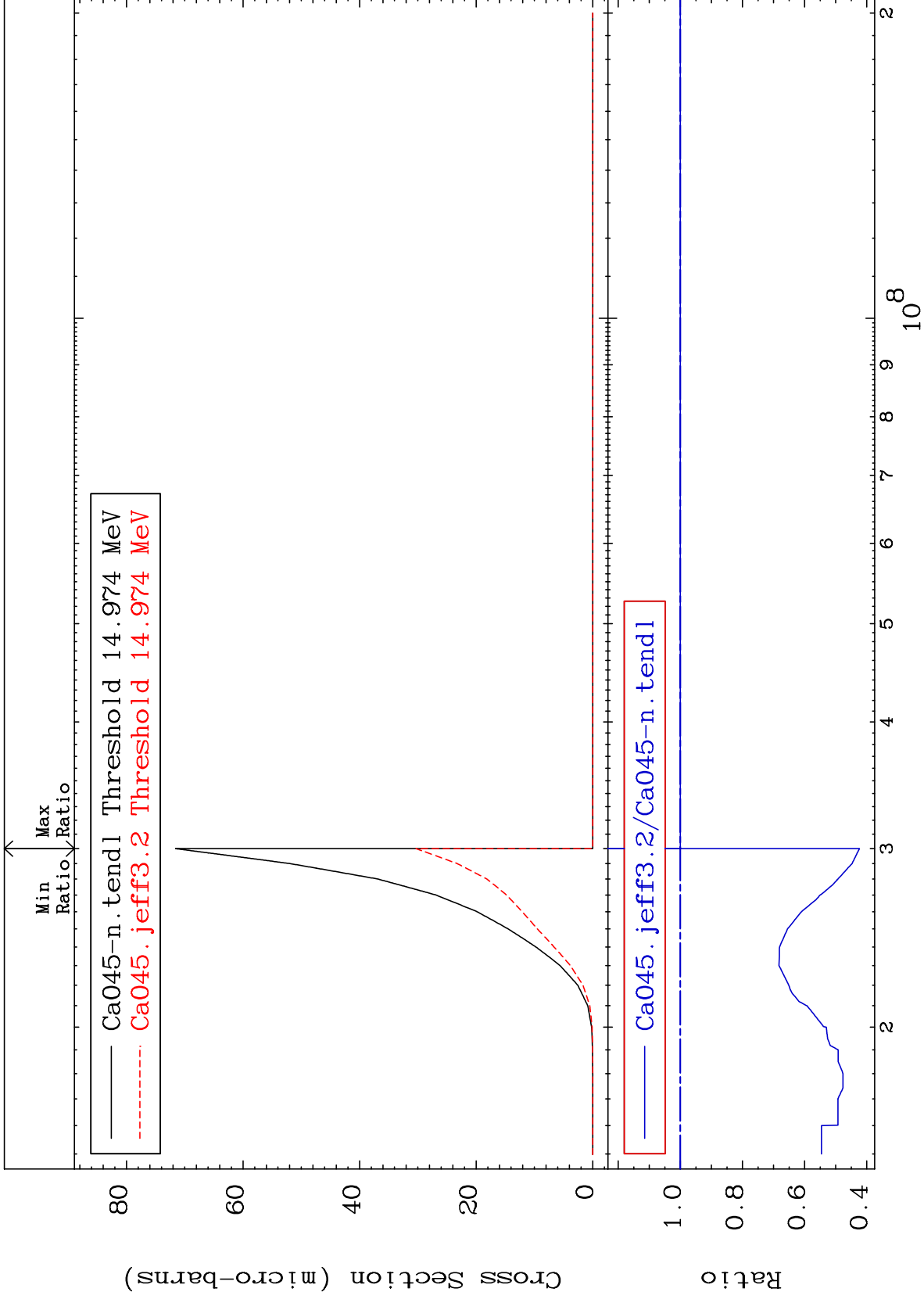
-32.85 To 5.375 %



MAT 2040

(n,2p)
Cross Section

20-Ca-45
-57.64 To 0.000 %



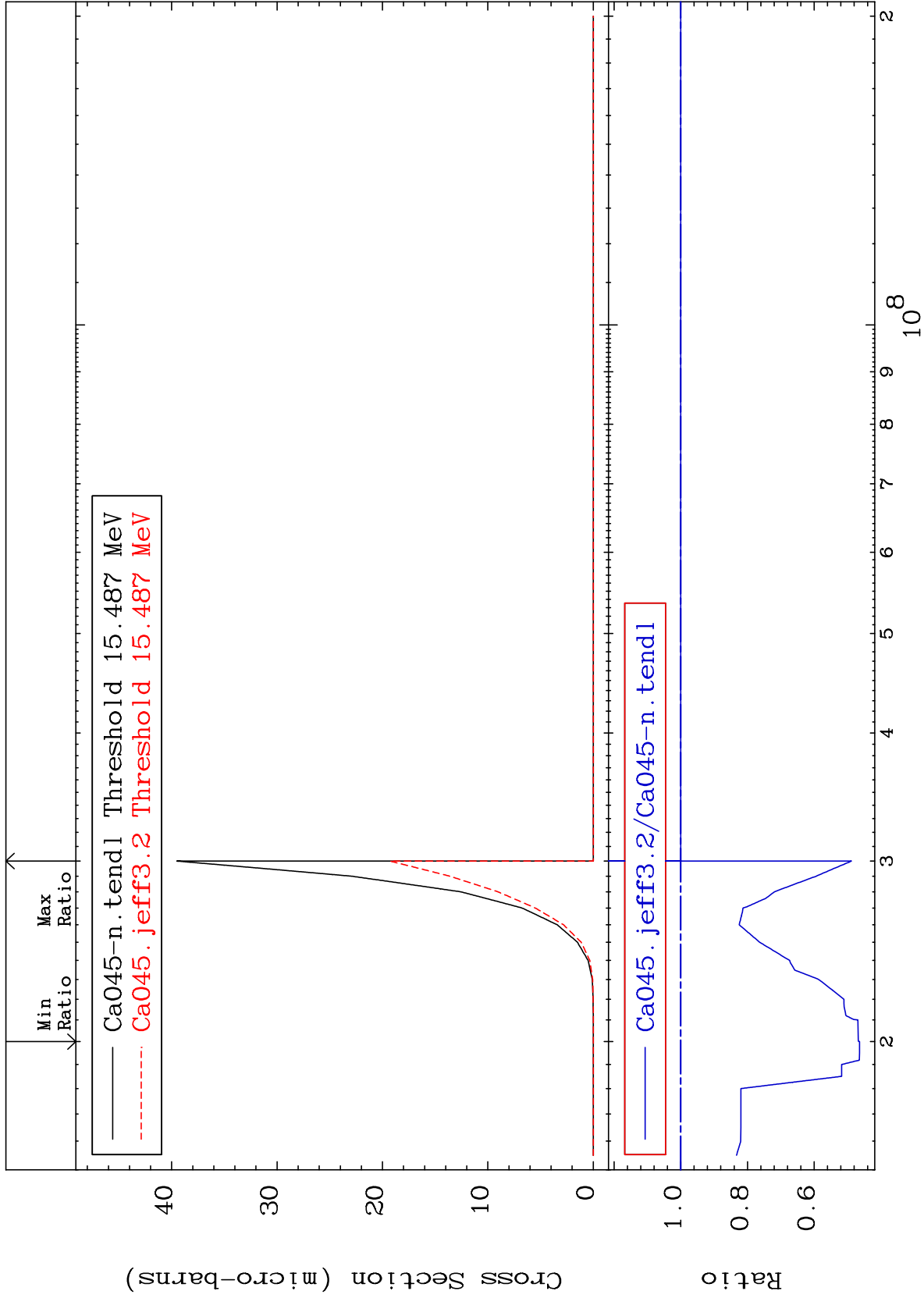
MAT 2040

(n, p) α

20-Ca-45

Cross Section

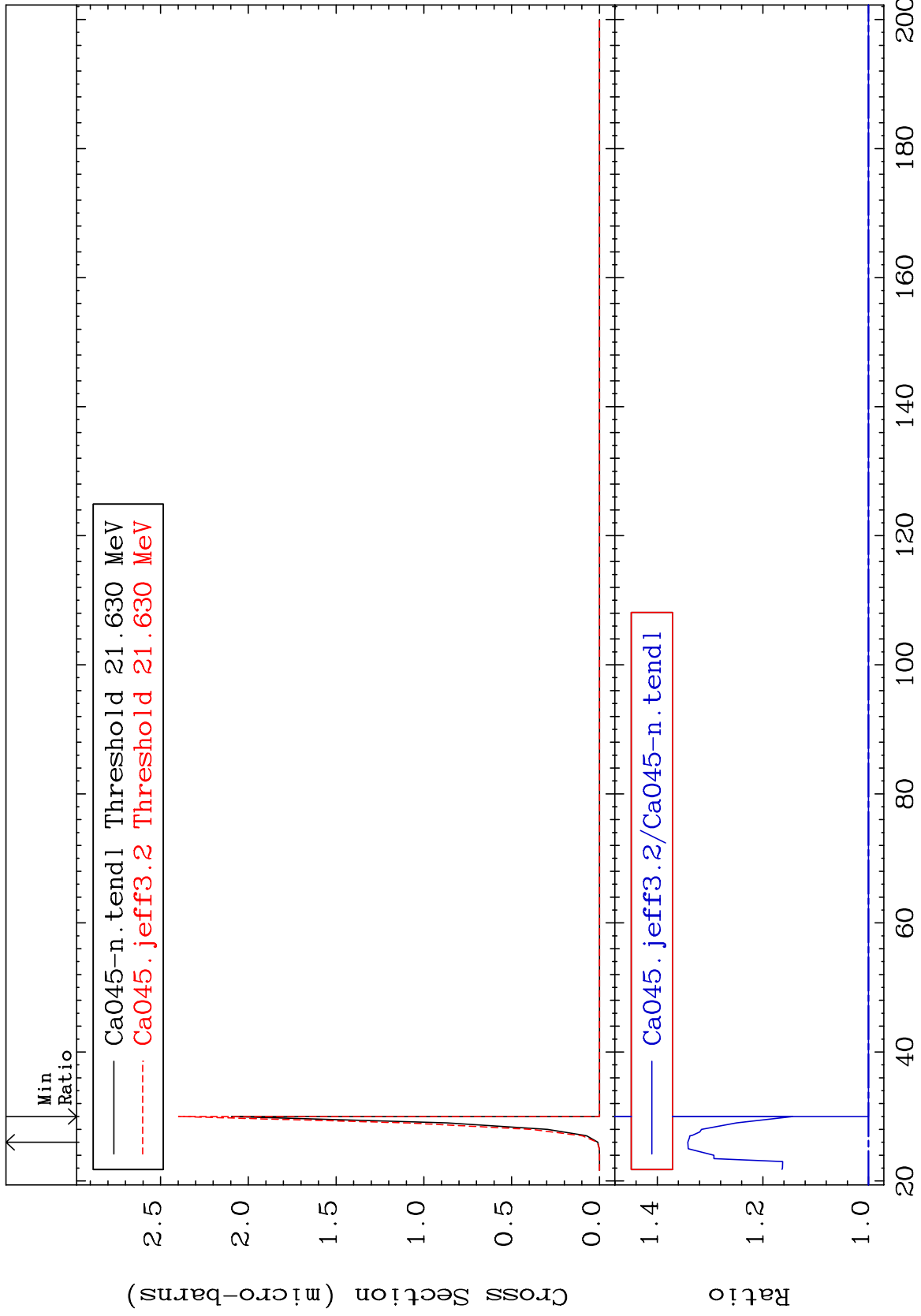
-53.60 To 0.000 %



MAT 2040

(n,p) d
Cross Section

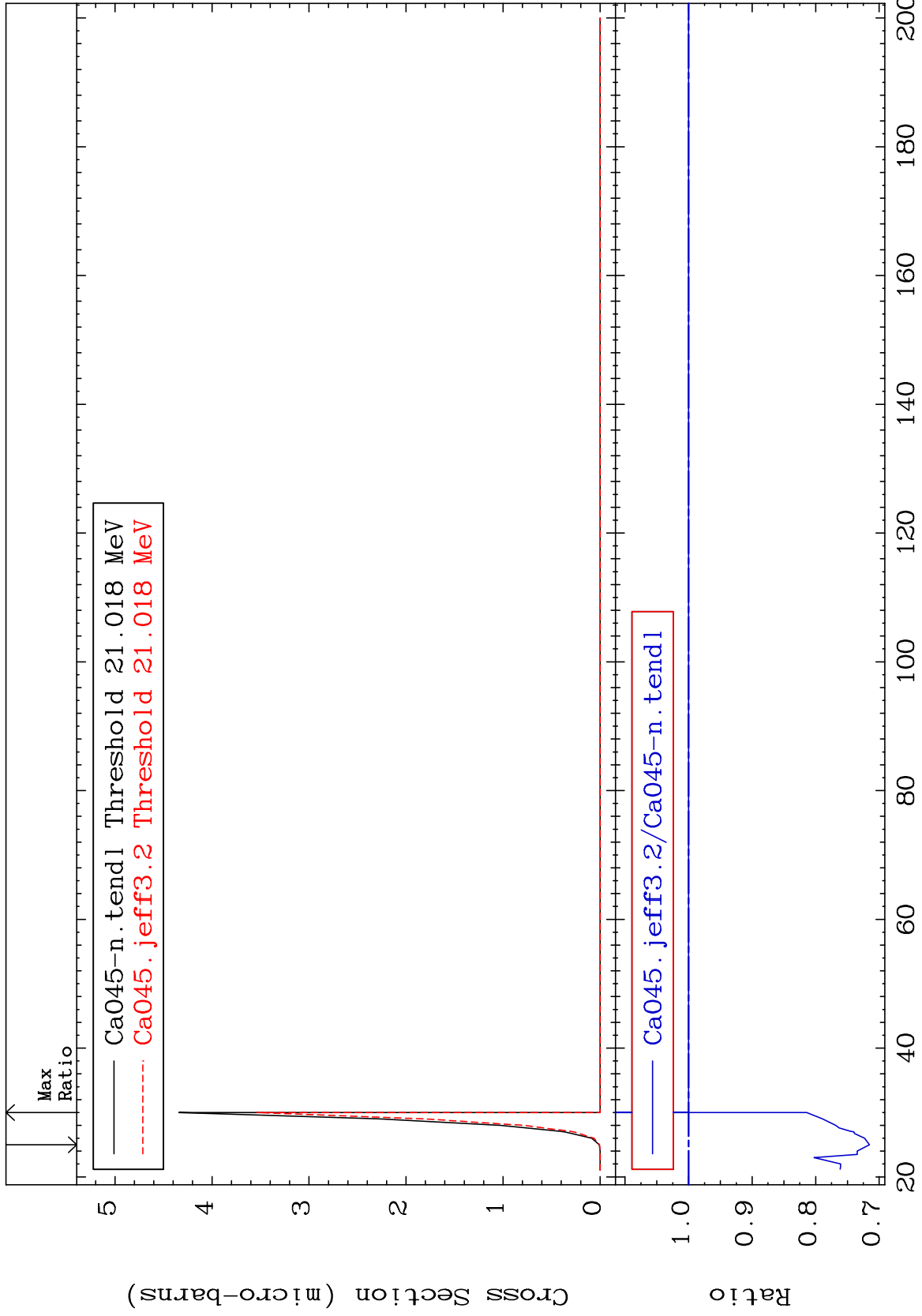
20-Ca-45
0.000 To 34.21 %



MAT 2040

(n,p) t
Cross Section

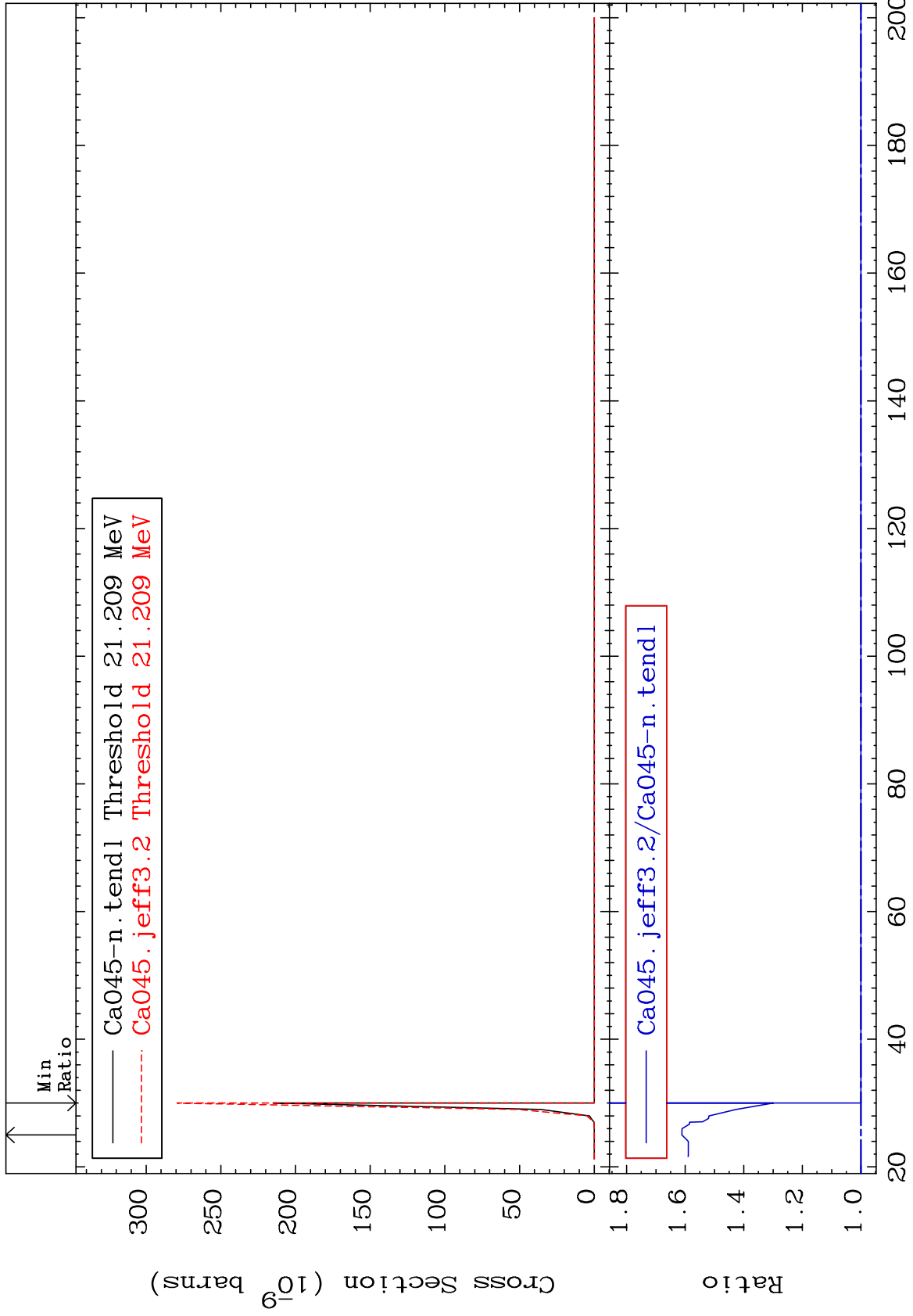
20-Ca-45
-28.46 To 0.000 %



MAT 2040

(n, d) α
Cross Section

20-Ca-45
0.000 To 61.14 %



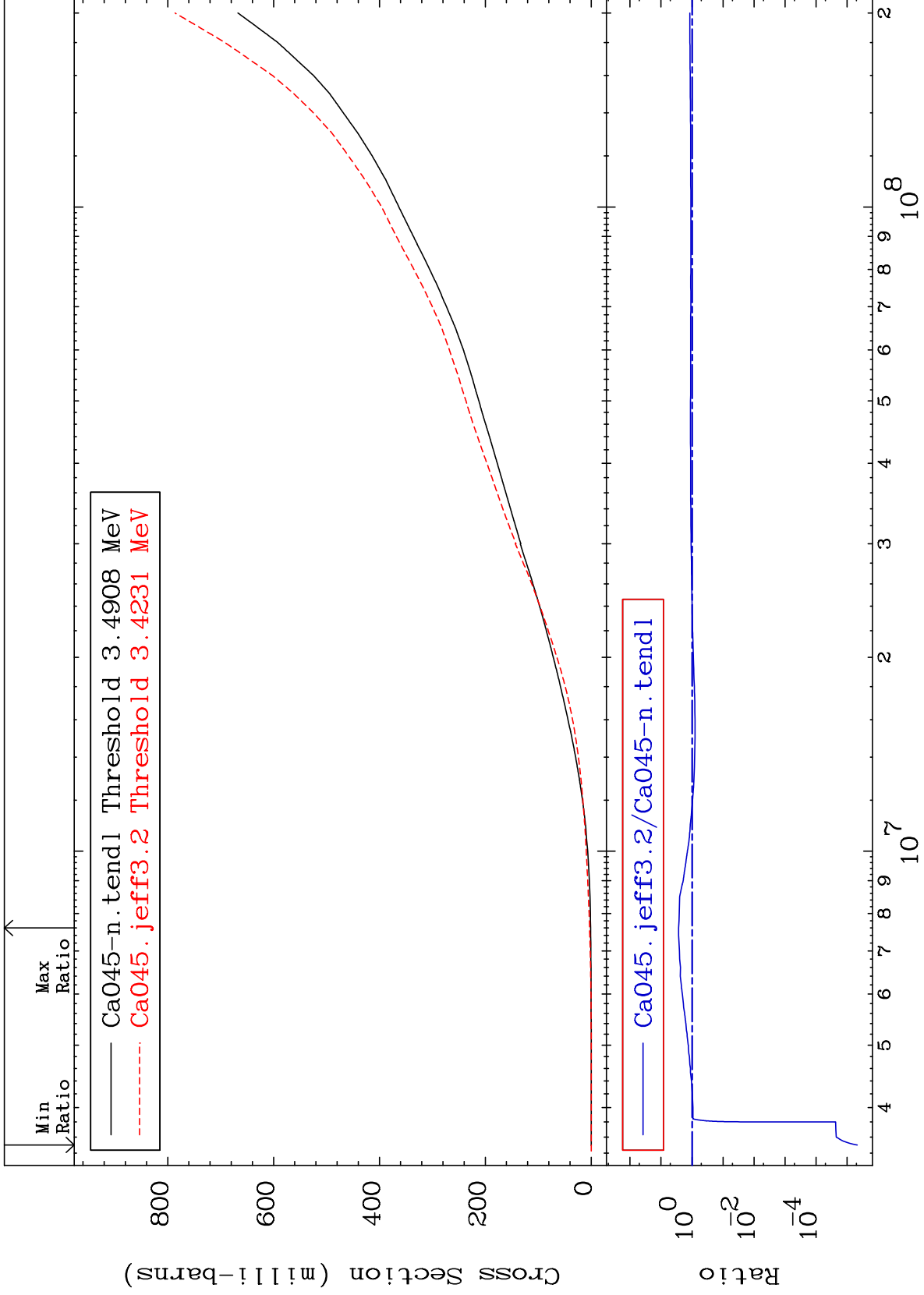
20-Ca-45

60

MAT 2040

Hydrogen Production
Cross Section

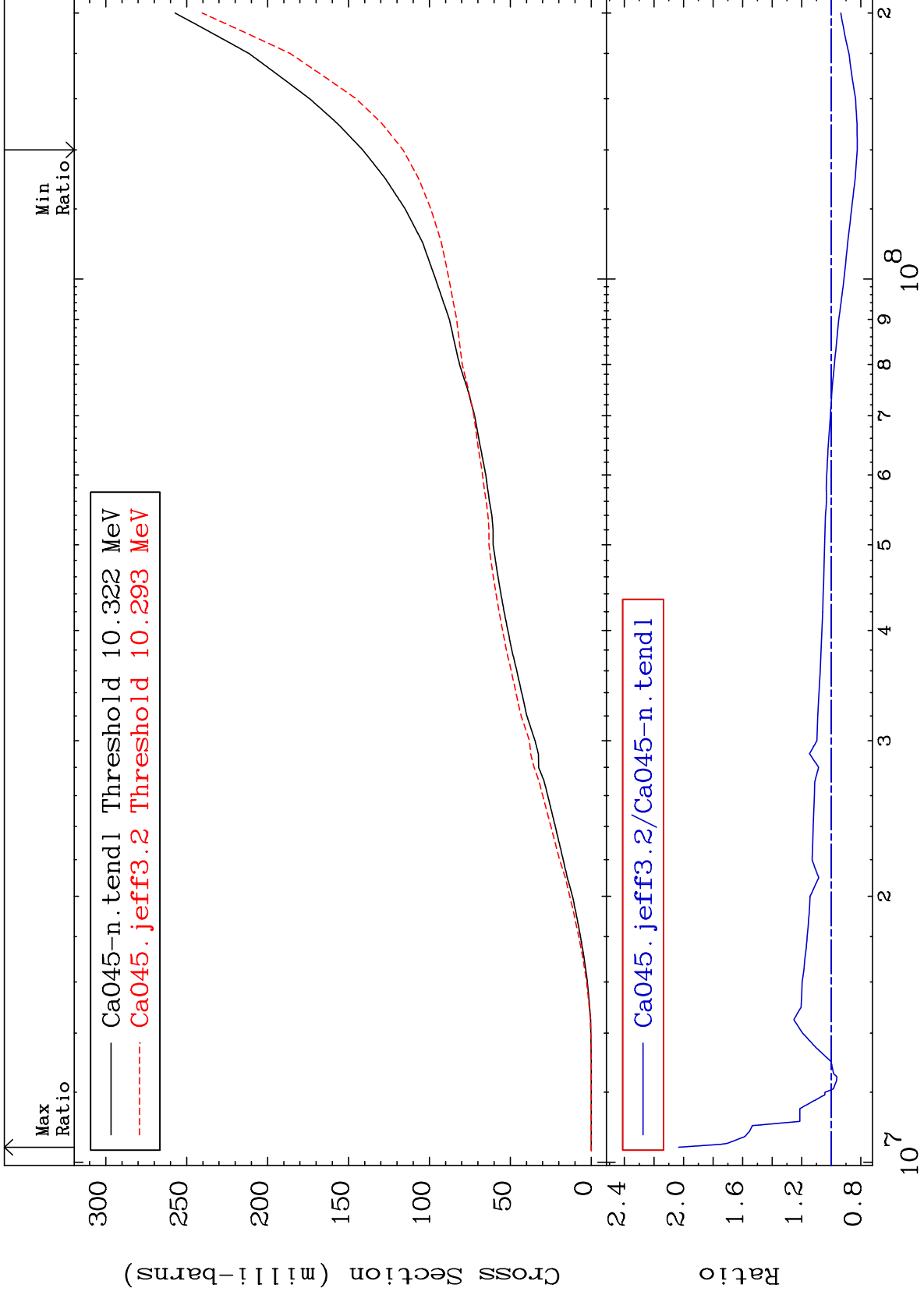
20-Ca-45
-100.0 To 170.1 %



MAT 2040

Deuterium Production
Cross Section

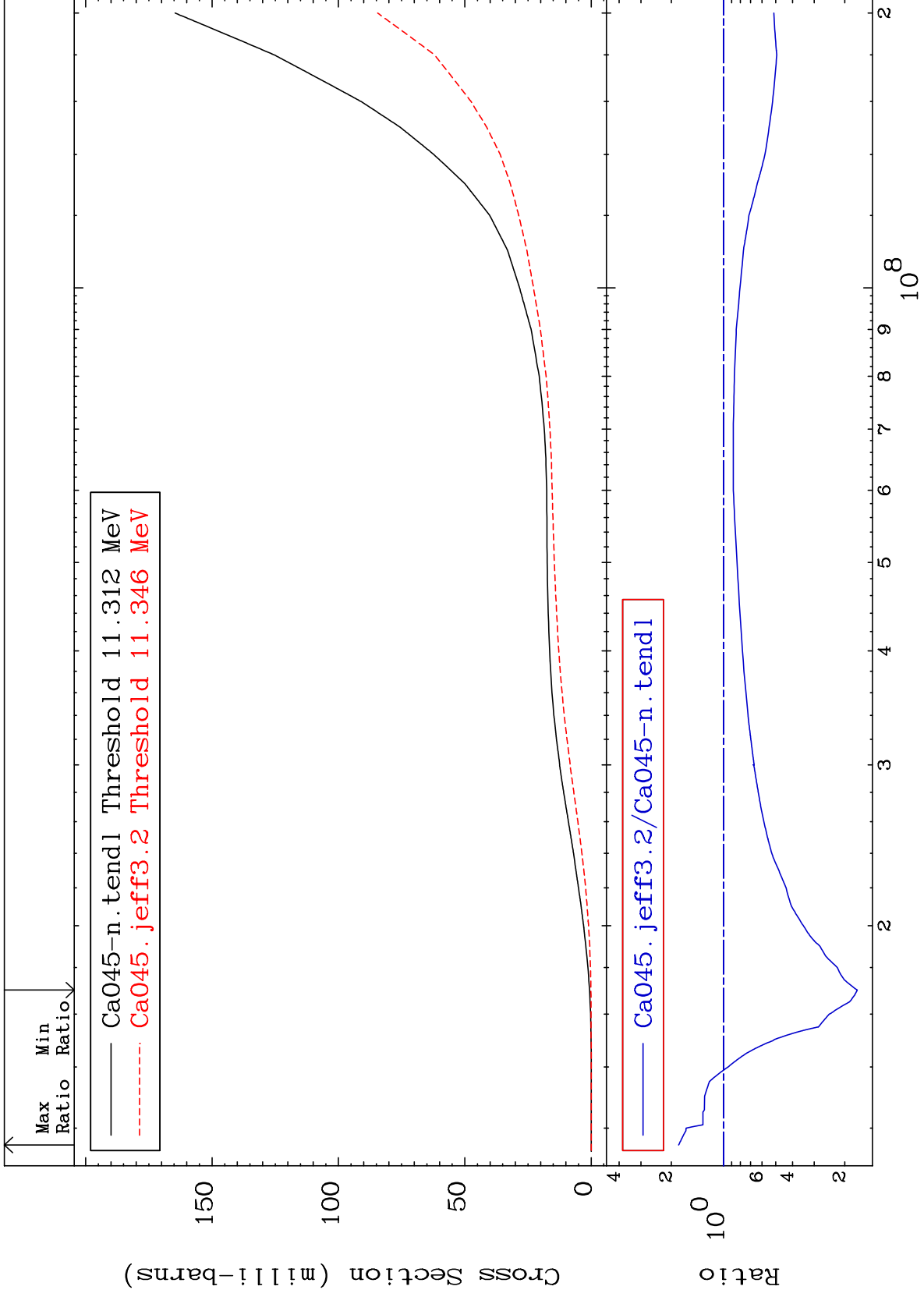
20-Ca-45
-17.66 To 103.3 %



62

Incident Energy (eV)

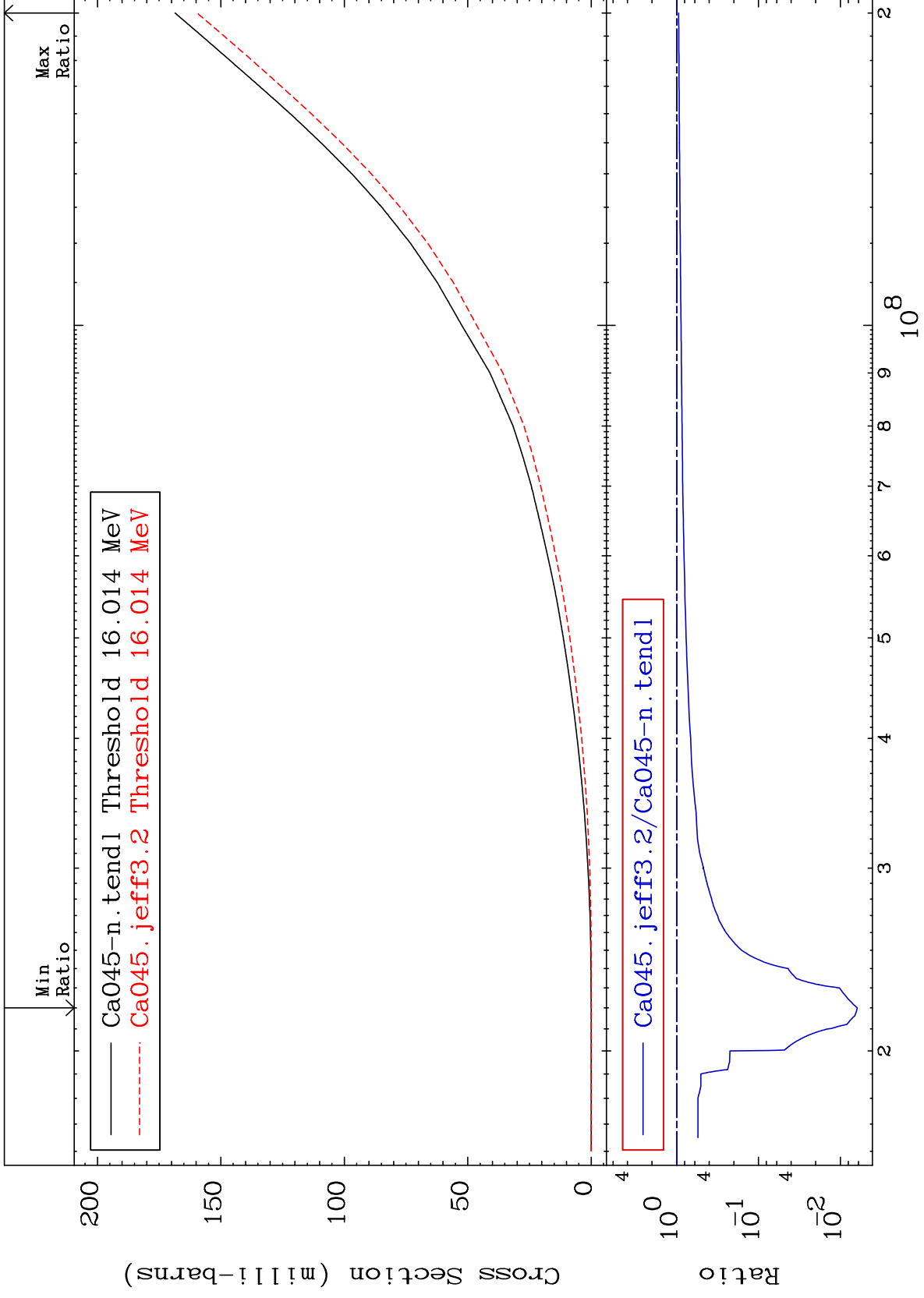
20-Ca-45



MAT 2040

He-3 Production
Cross Section

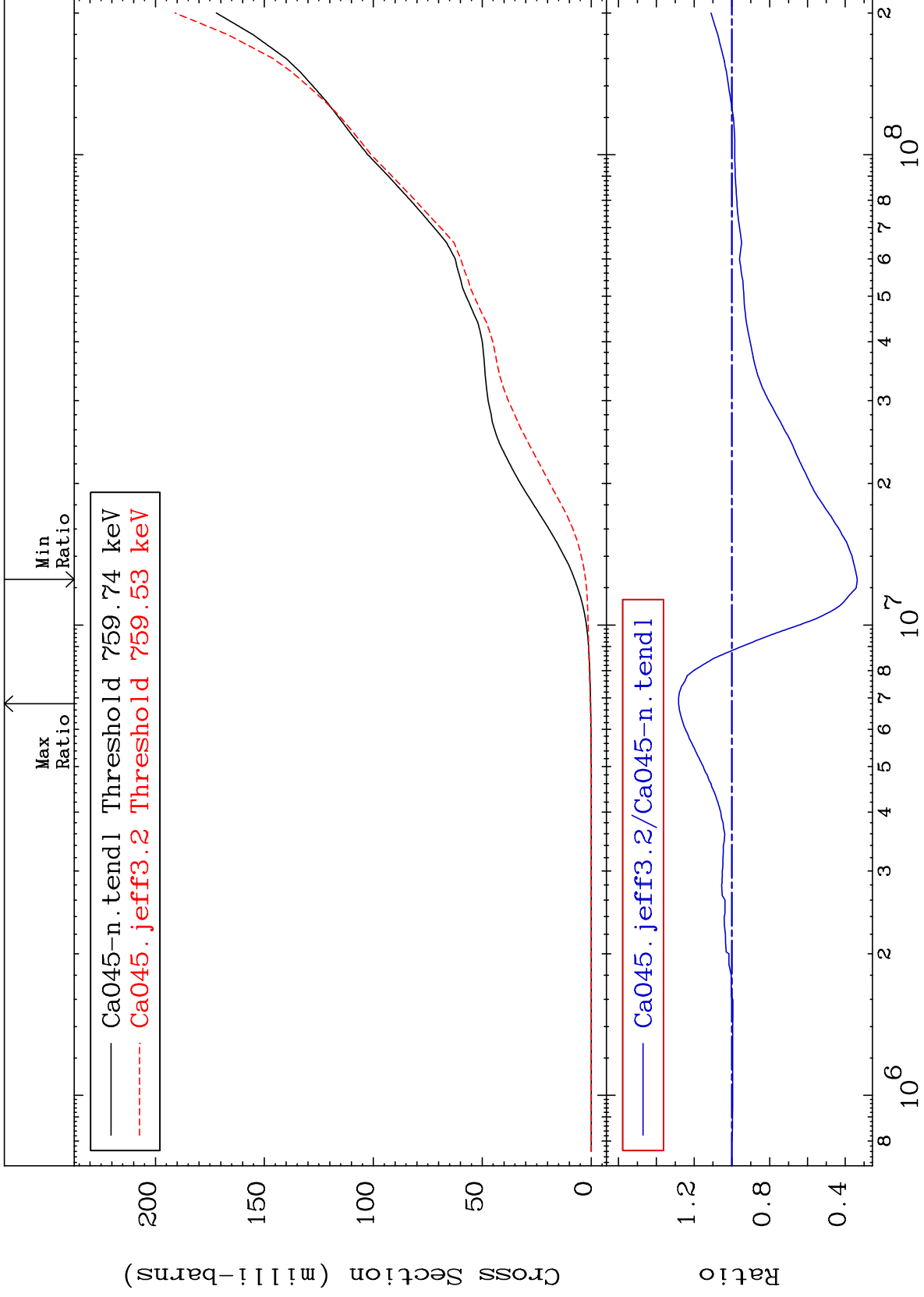
20-Ca-45
-99.38 To -5.309%



MAT 2040

He-4 Production
Cross Section

20-Ca-45
-66.36 To 28.18 %



65

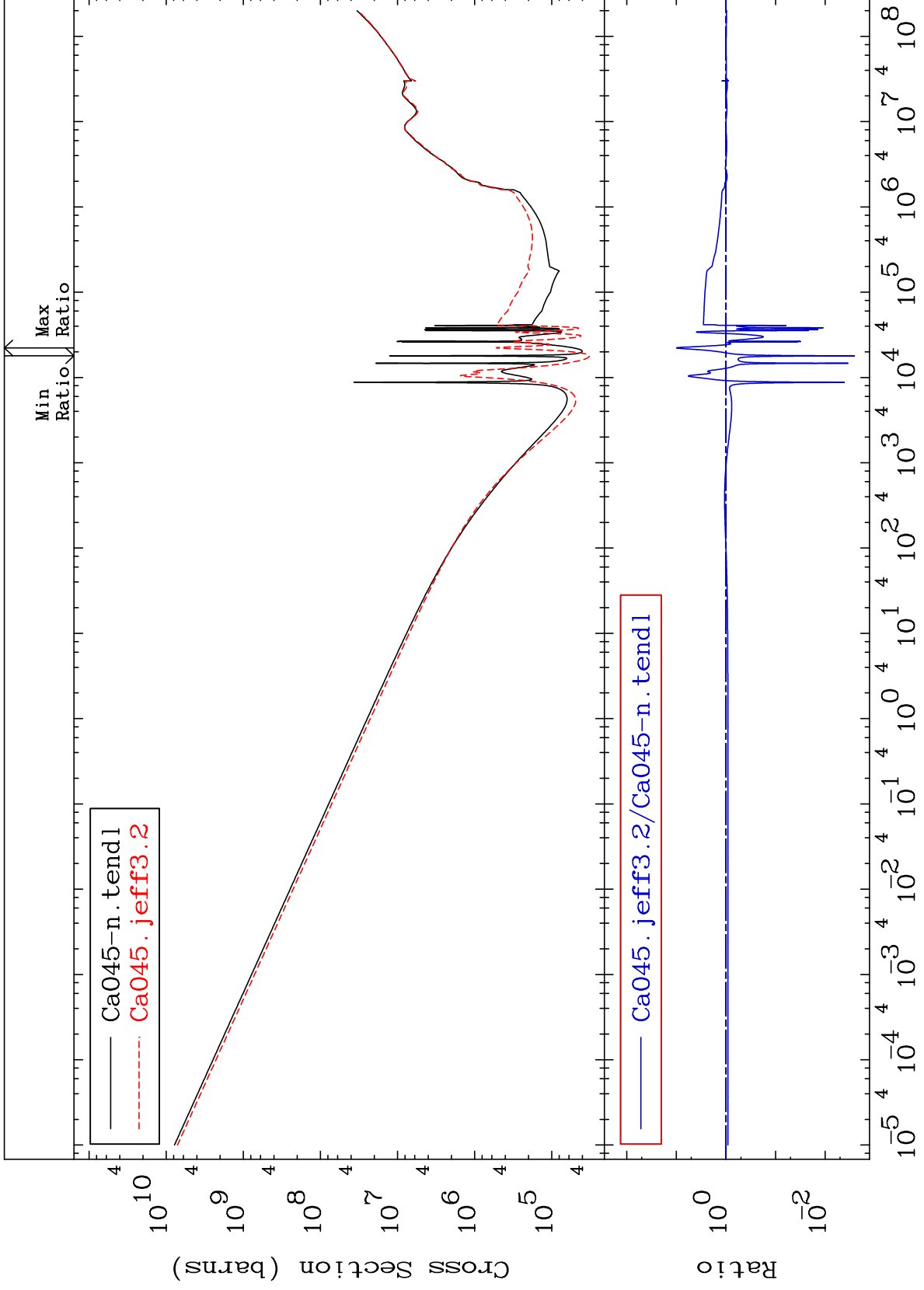
Incident Energy (eV)

20-Ca-45

MAT 2040

Kerma total (eV-barns)
Cross Section

20-Ca-45
-99.74 To 898.9 %



66

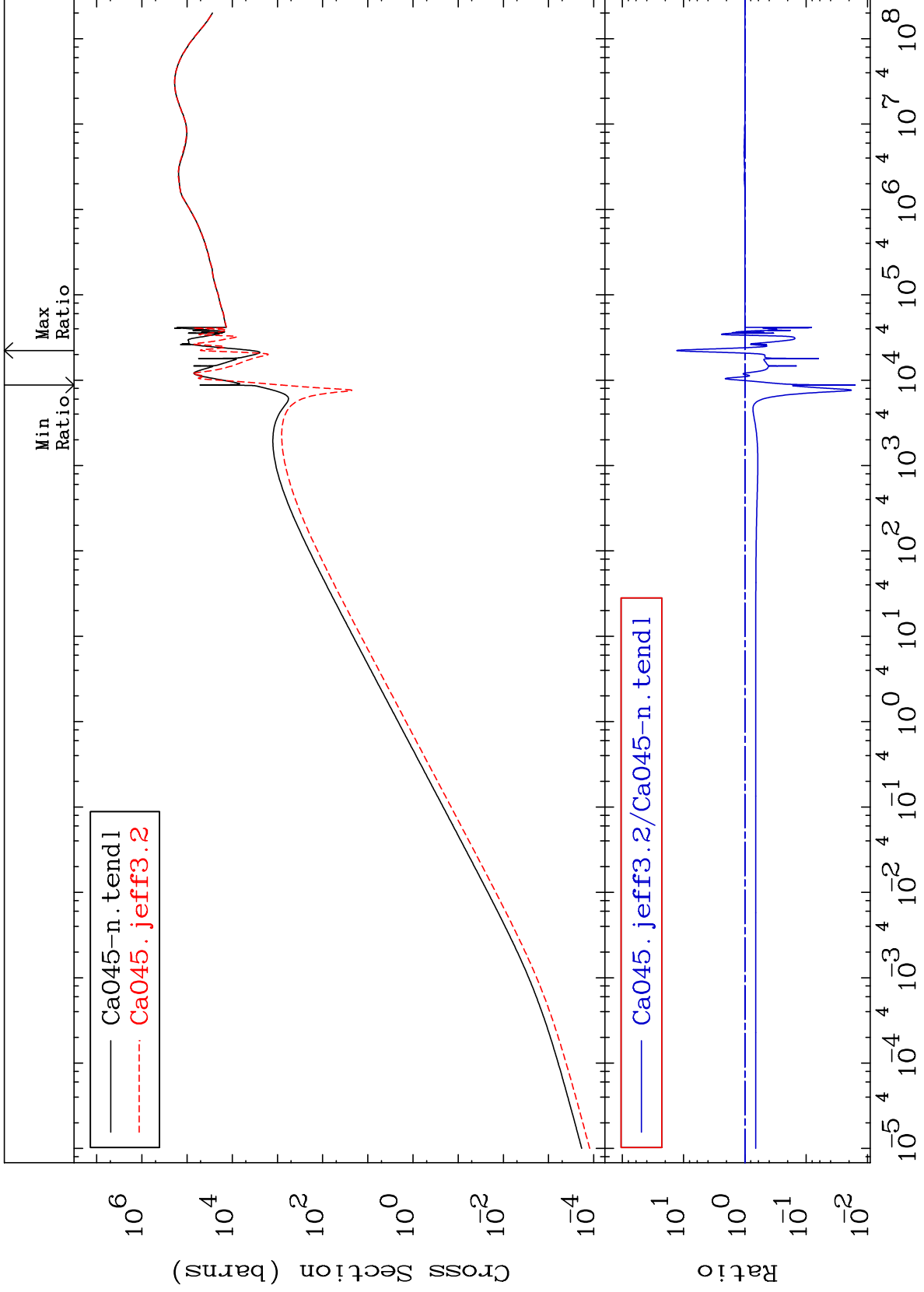
Incident Energy (eV)

20-Ca-45

MAT 2040

Kerma elastic
Cross Section

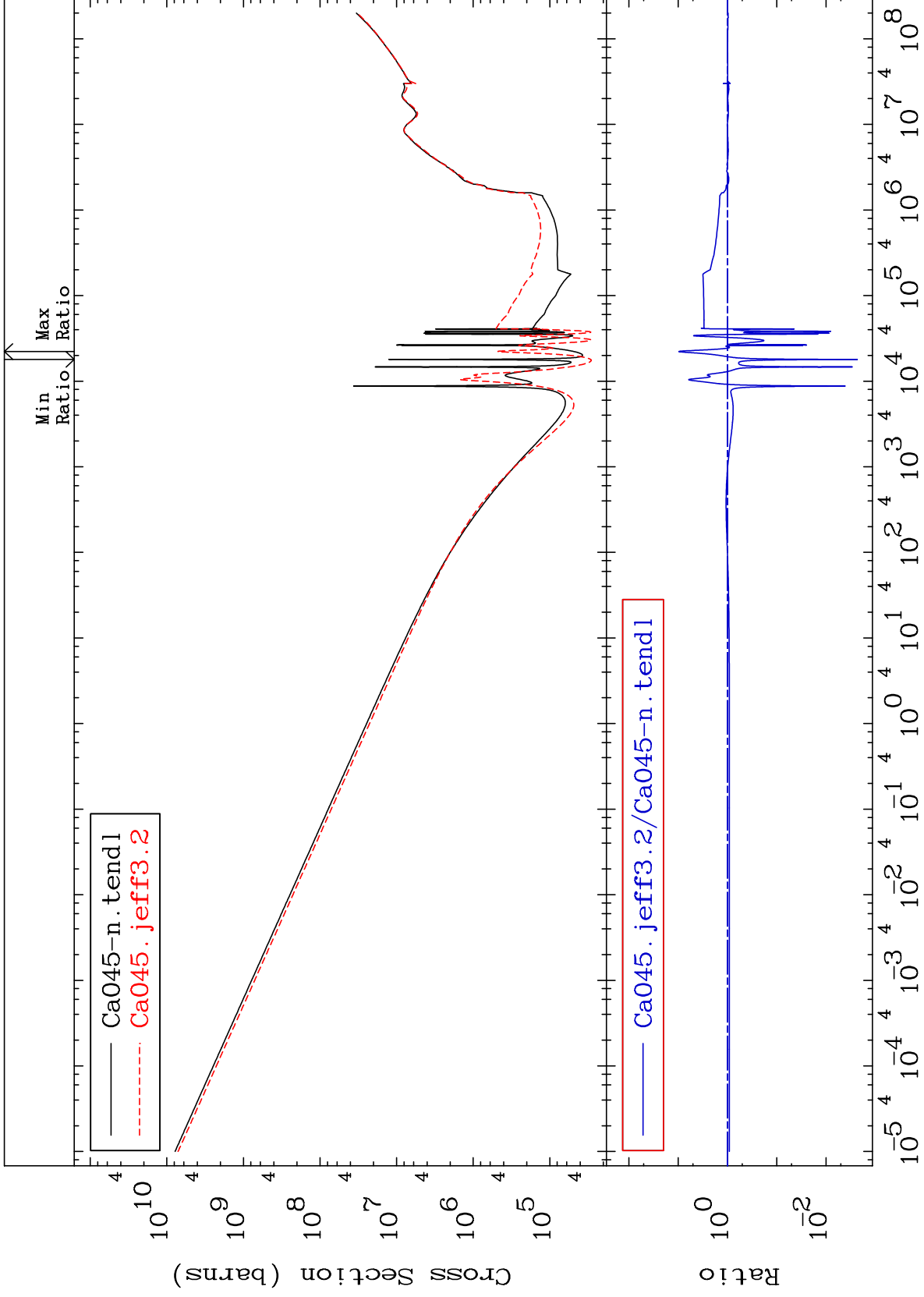
20-Ca-45
-98.41 To 1186. %

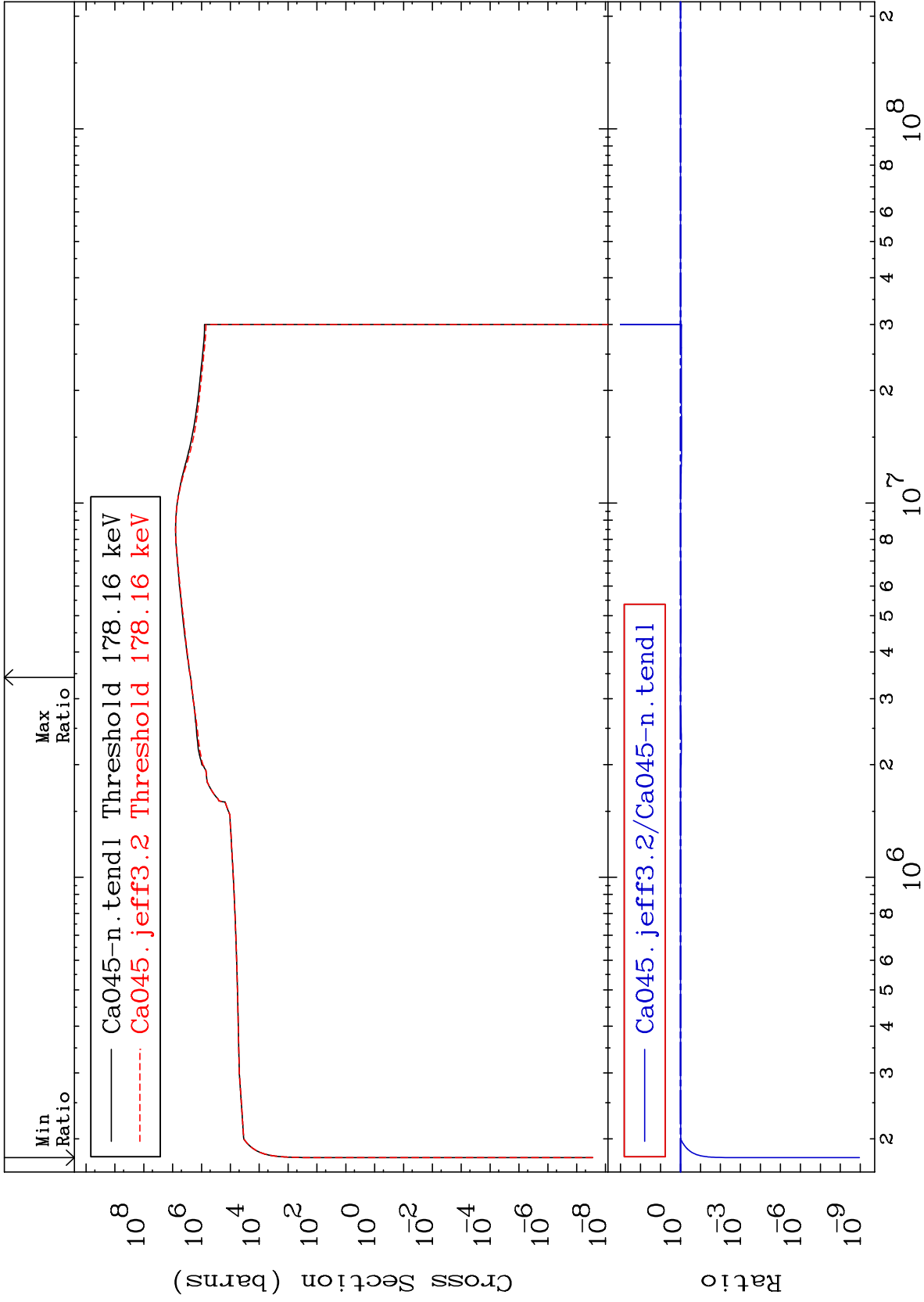


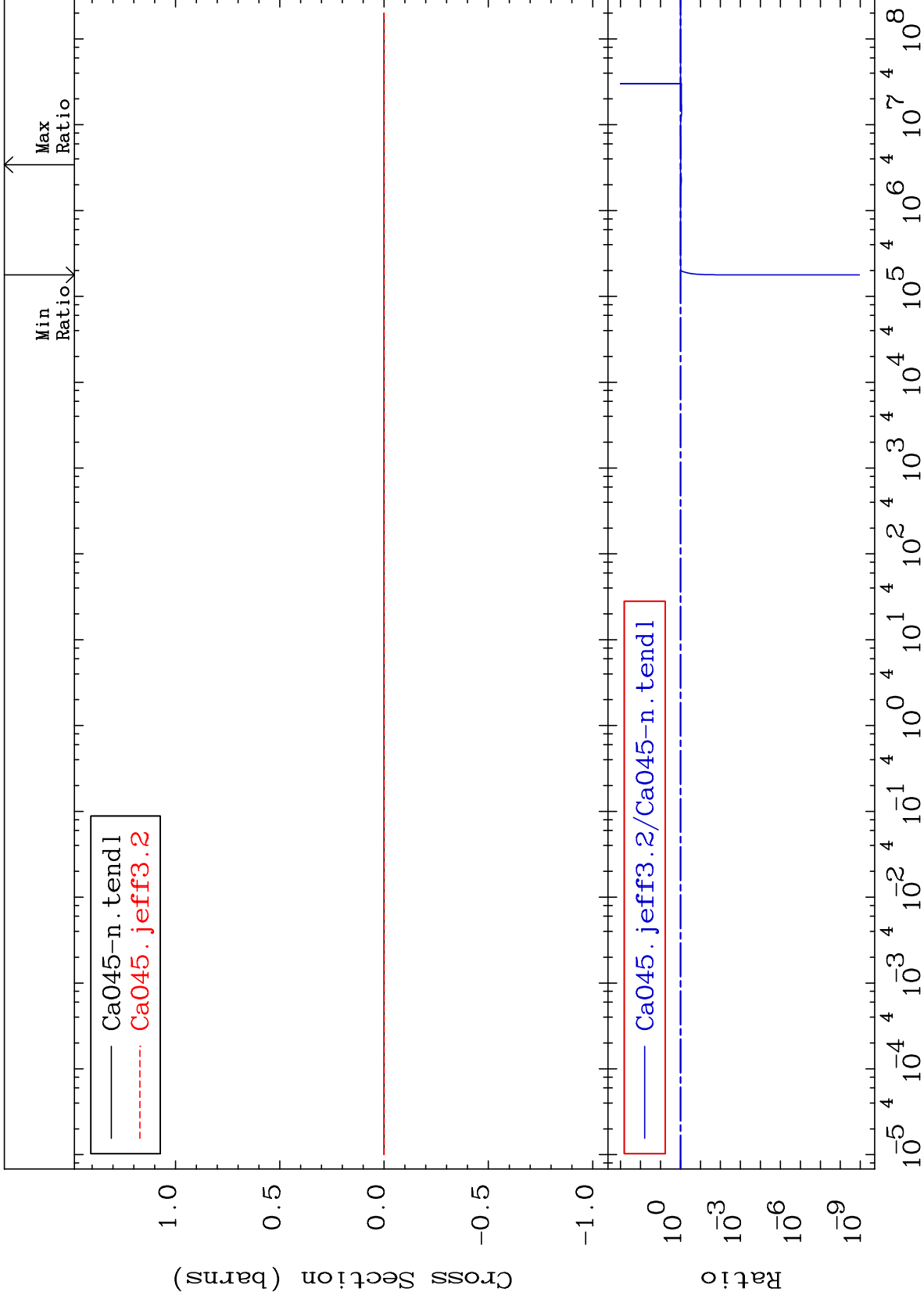
67

Incident Energy (eV)

20-Ca-45



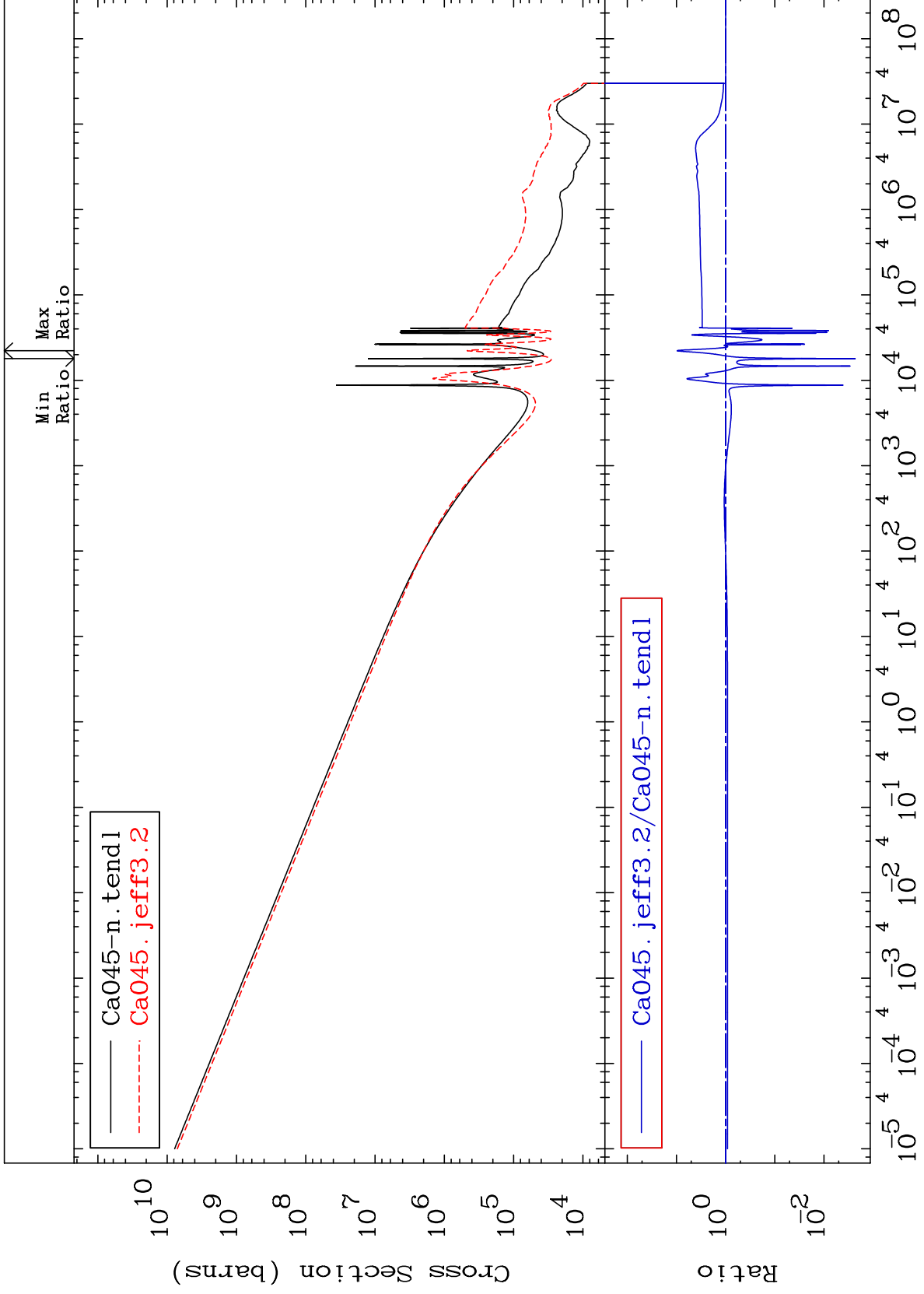




MAT 2040

Kerma capture (mt102)
Cross Section

20-Ca-45
-99.77 To 877.9 %



71

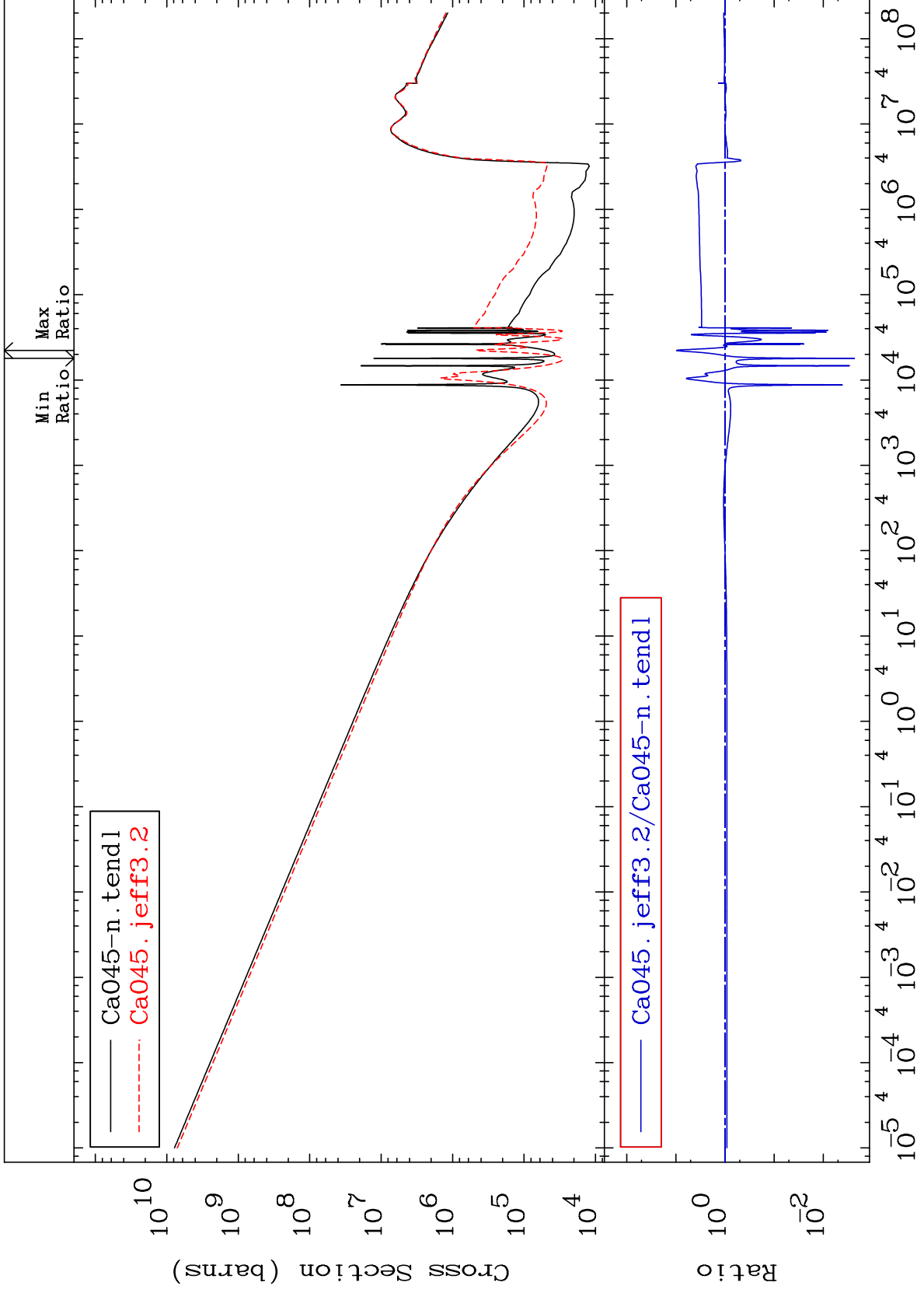
Incident Energy (eV)

20-Ca-45

MAT 2040

Total photon (eV-barns)
Cross Section

20-Ca-45
-99.77 To 877.9 %



72

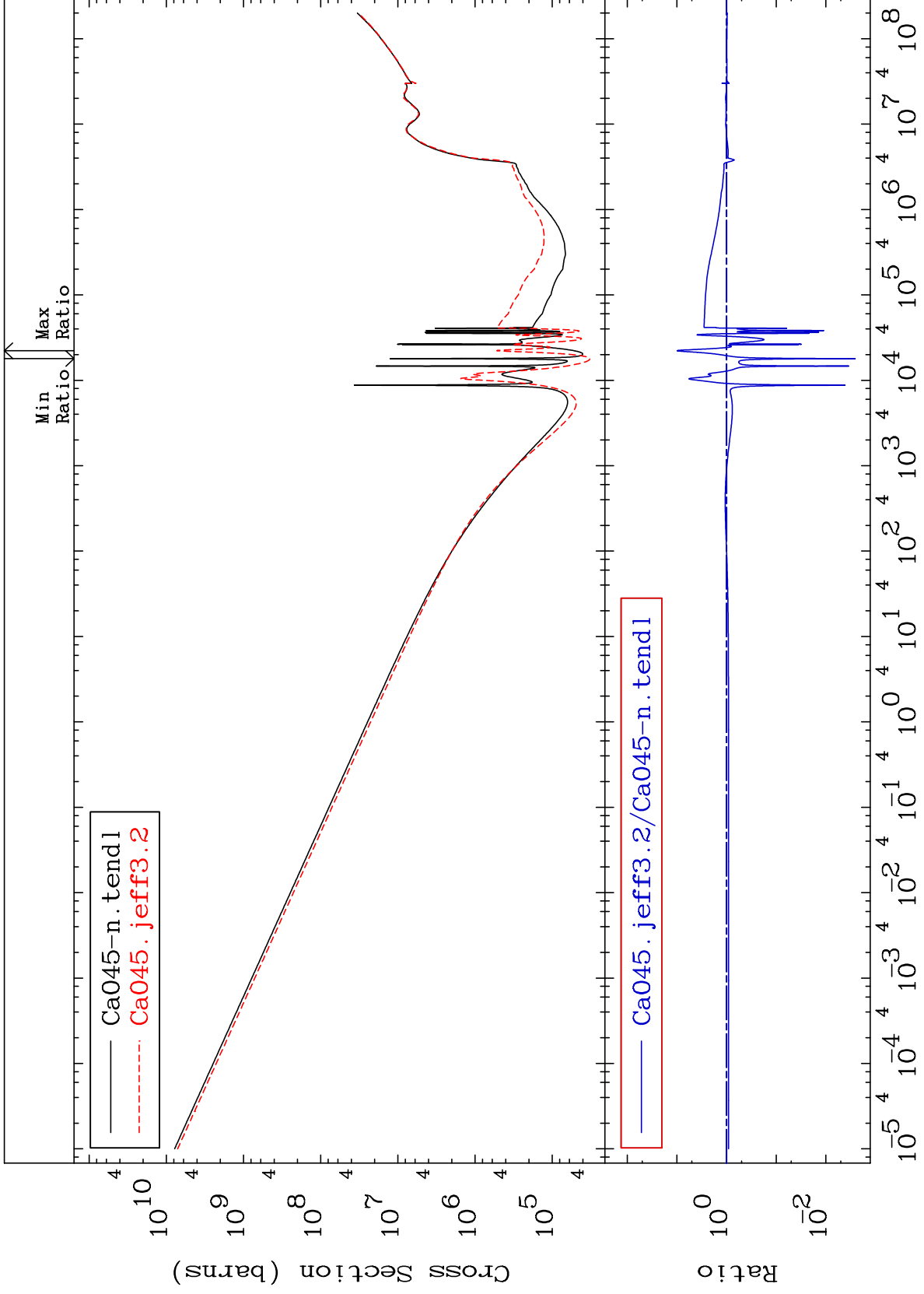
Incident Energy (eV)

20-Ca-45

MAT 2040

Total kinematic kerma (high limit)
Cross Section

20-Ca-45
-99.74 To 898.9 %



73

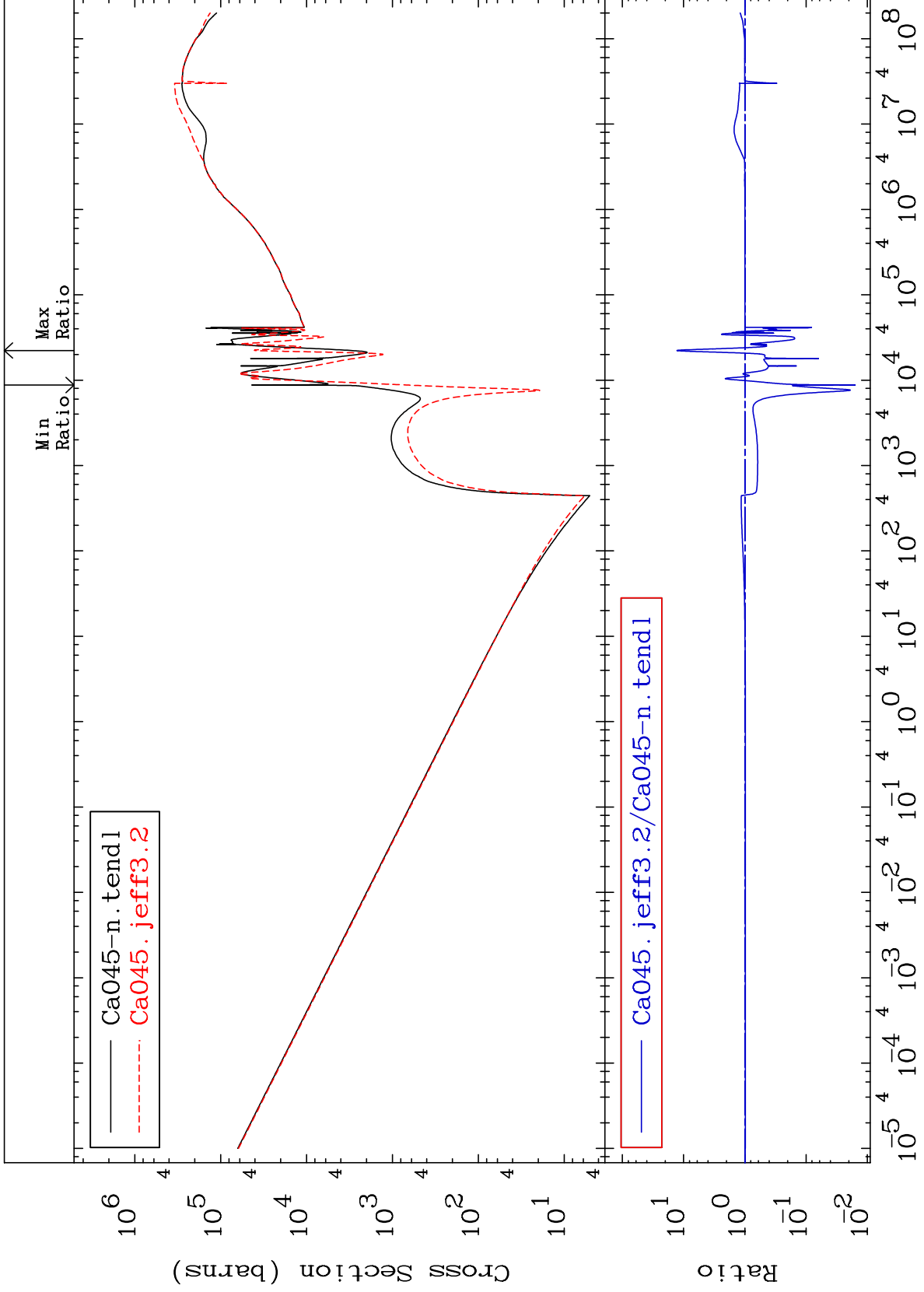
Incident Energy (eV)

20-Ca-45

MAT 2040

Dpa total (eV-barns)
Cross Section

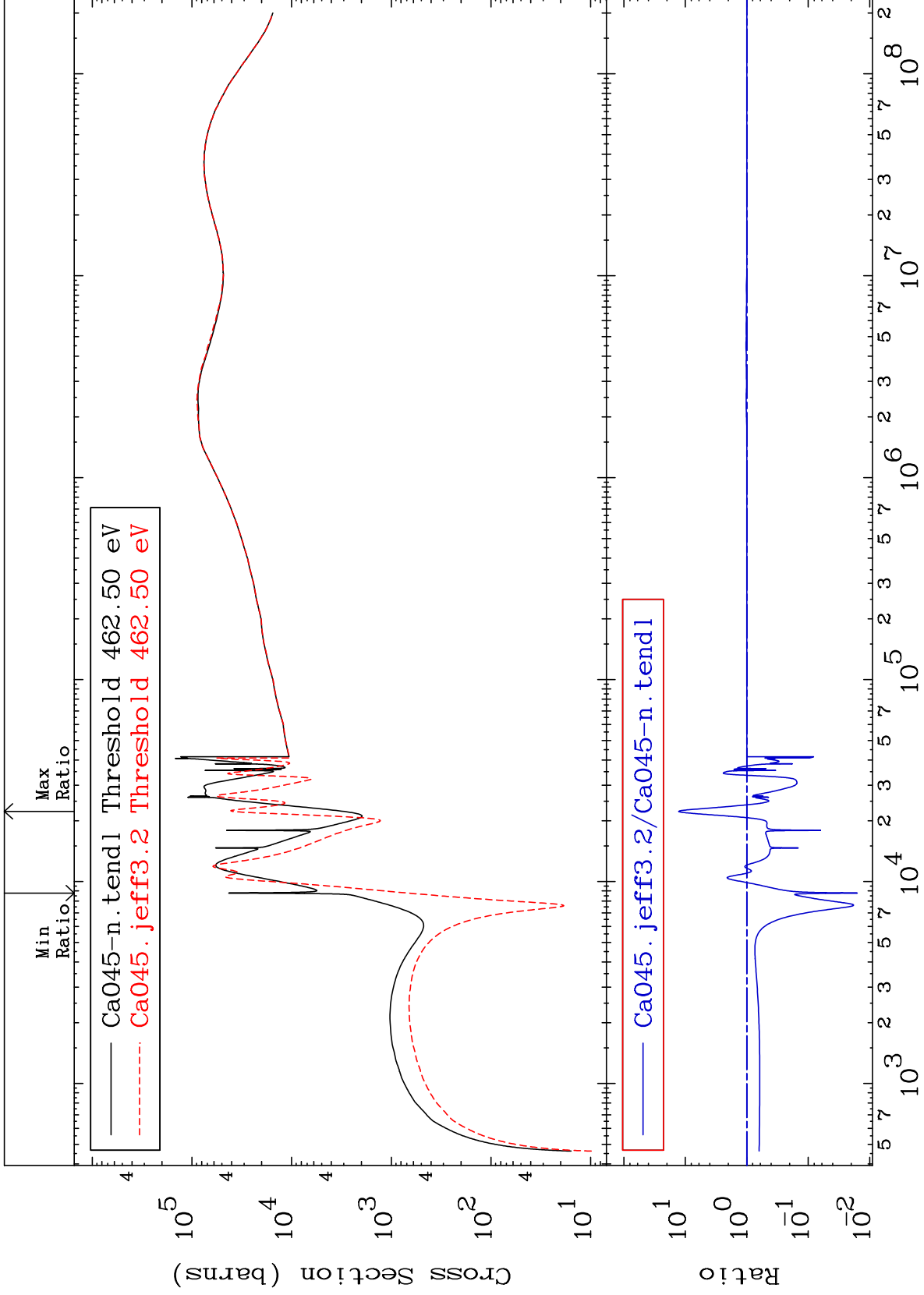
20-Ca-45
-98.42 To 1186. %



MAT 2040

Dpa elastic (mt2)
Cross Section

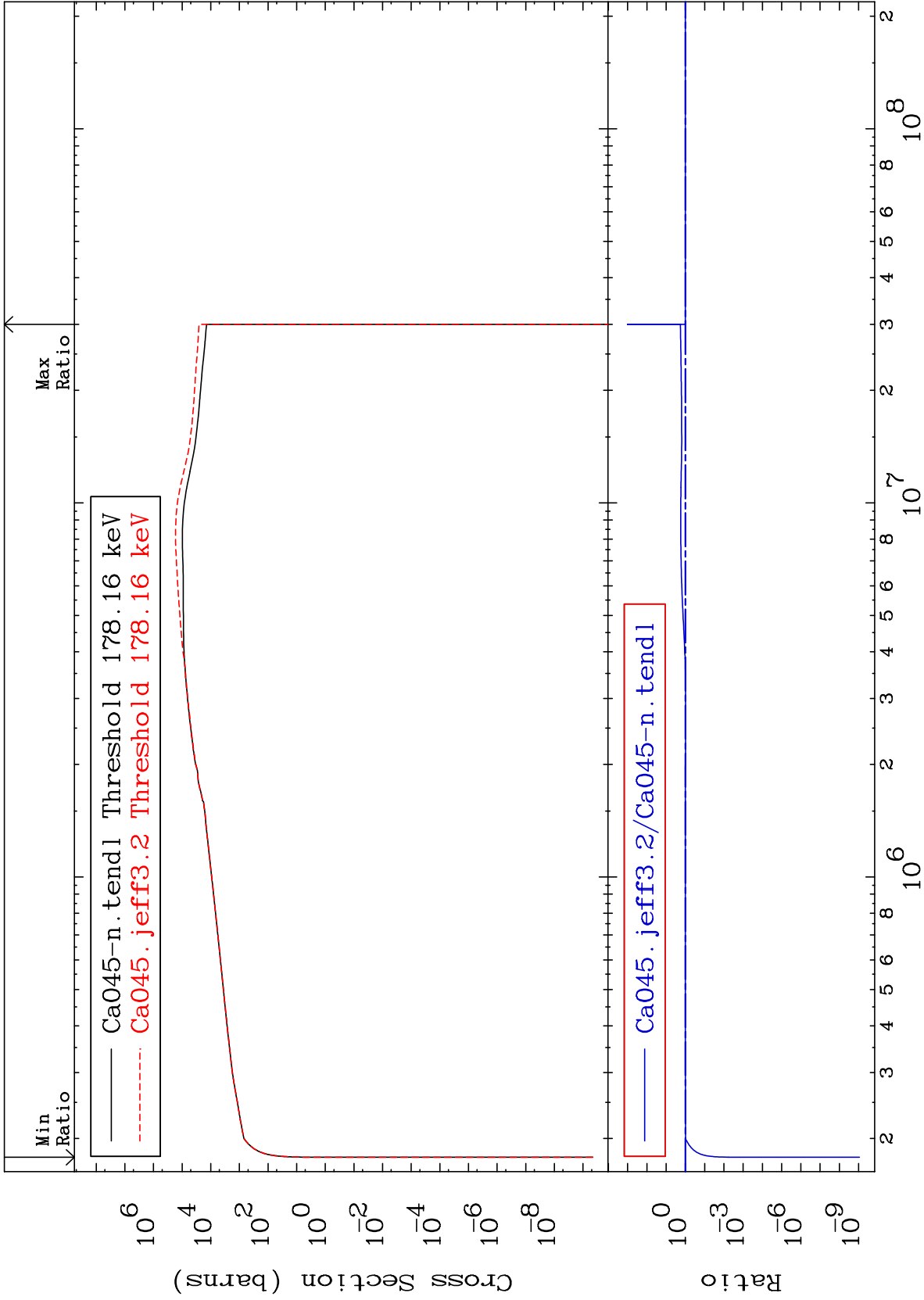
20-Ca-45
-98.41 To 1186. %



75

Incident Energy (eV)

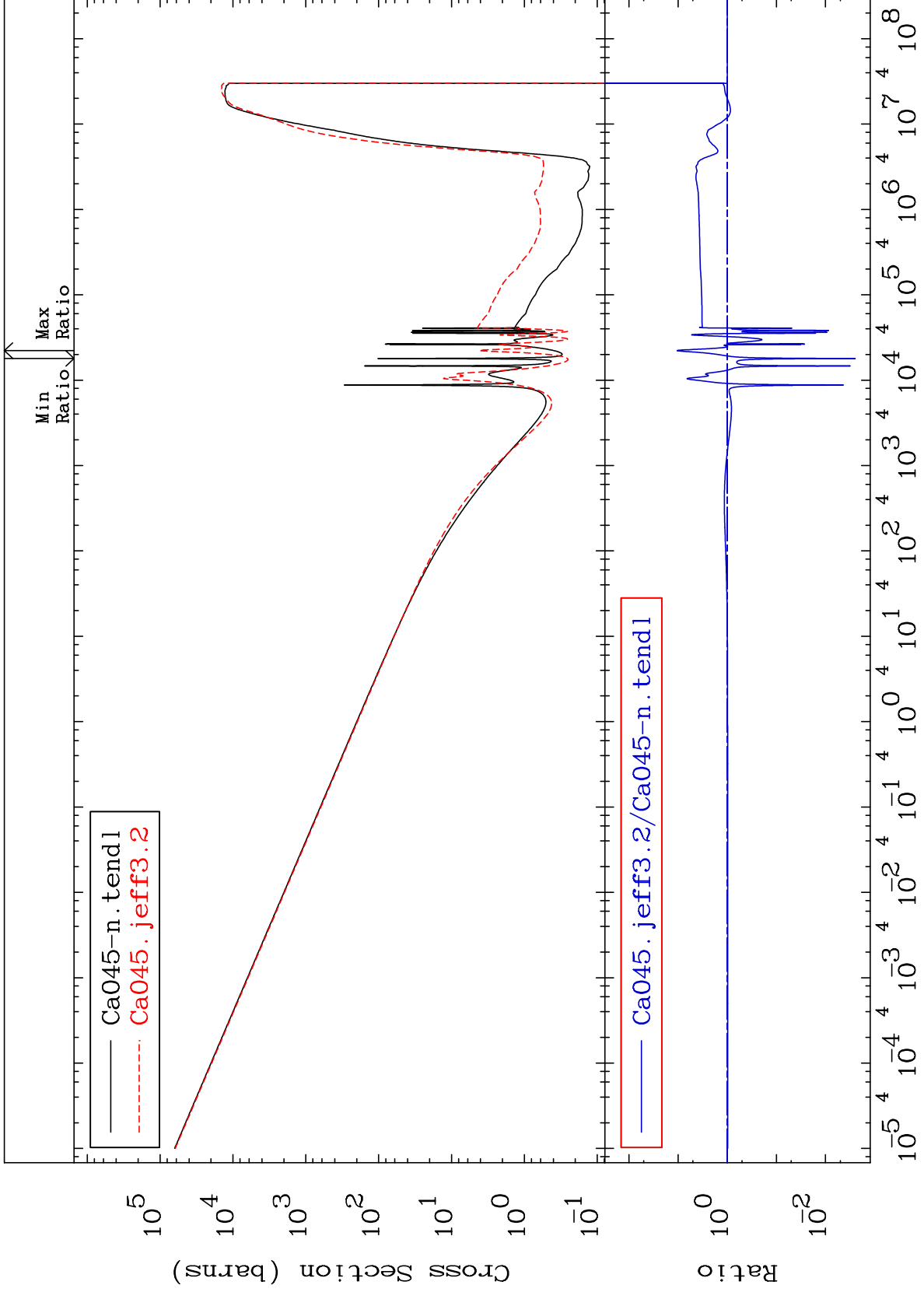
20-Ca-45



MAT 2040

Dpa disappearance (mt102 -120)
Cross Section

20-Ca-45
-99.75 To 956.2 %



77

Incident Energy (eV)

20-Ca-45