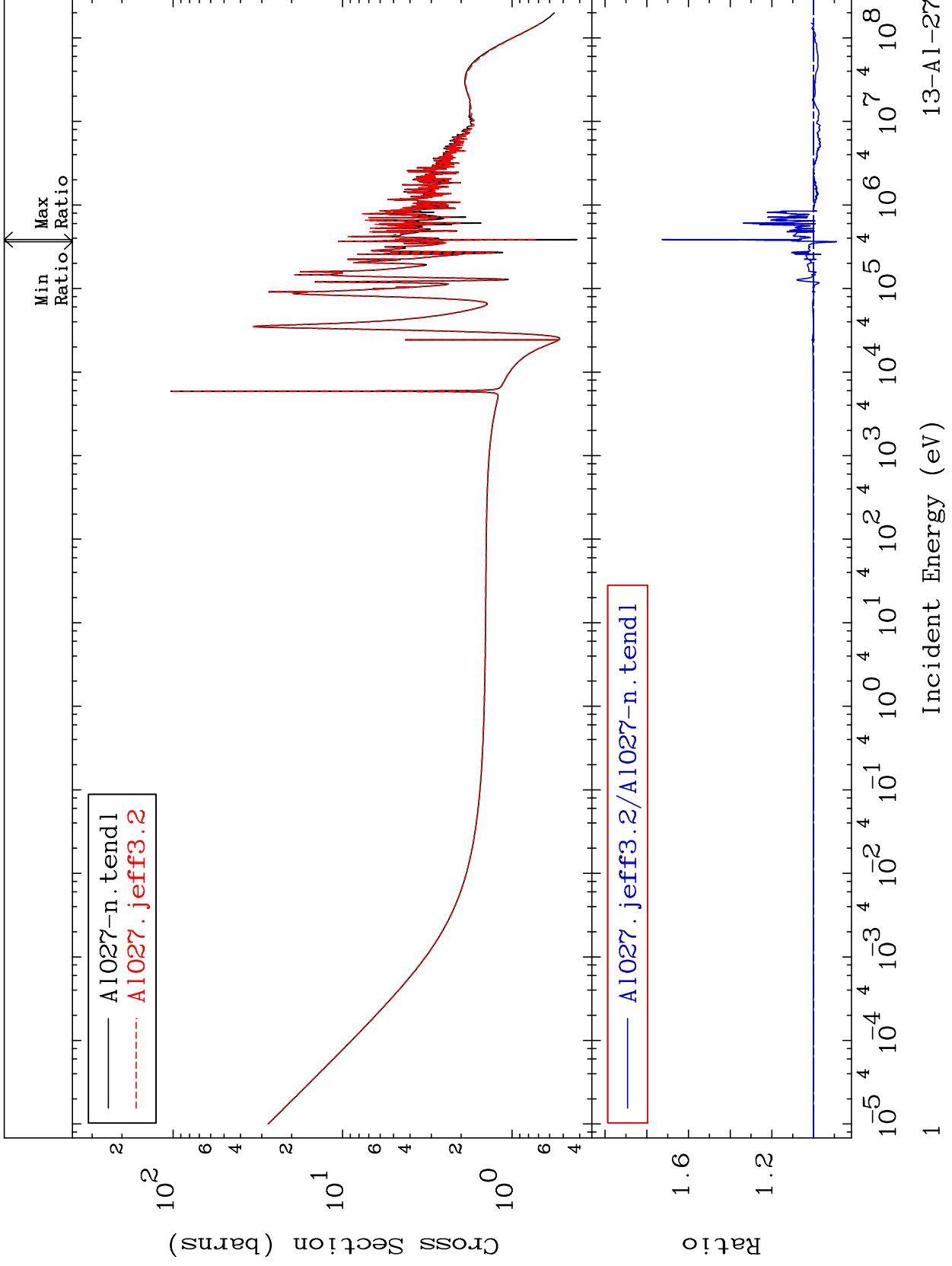


MAT 1325

Total
Cross Section

13-A1-27
-11.07 To 72.56 %

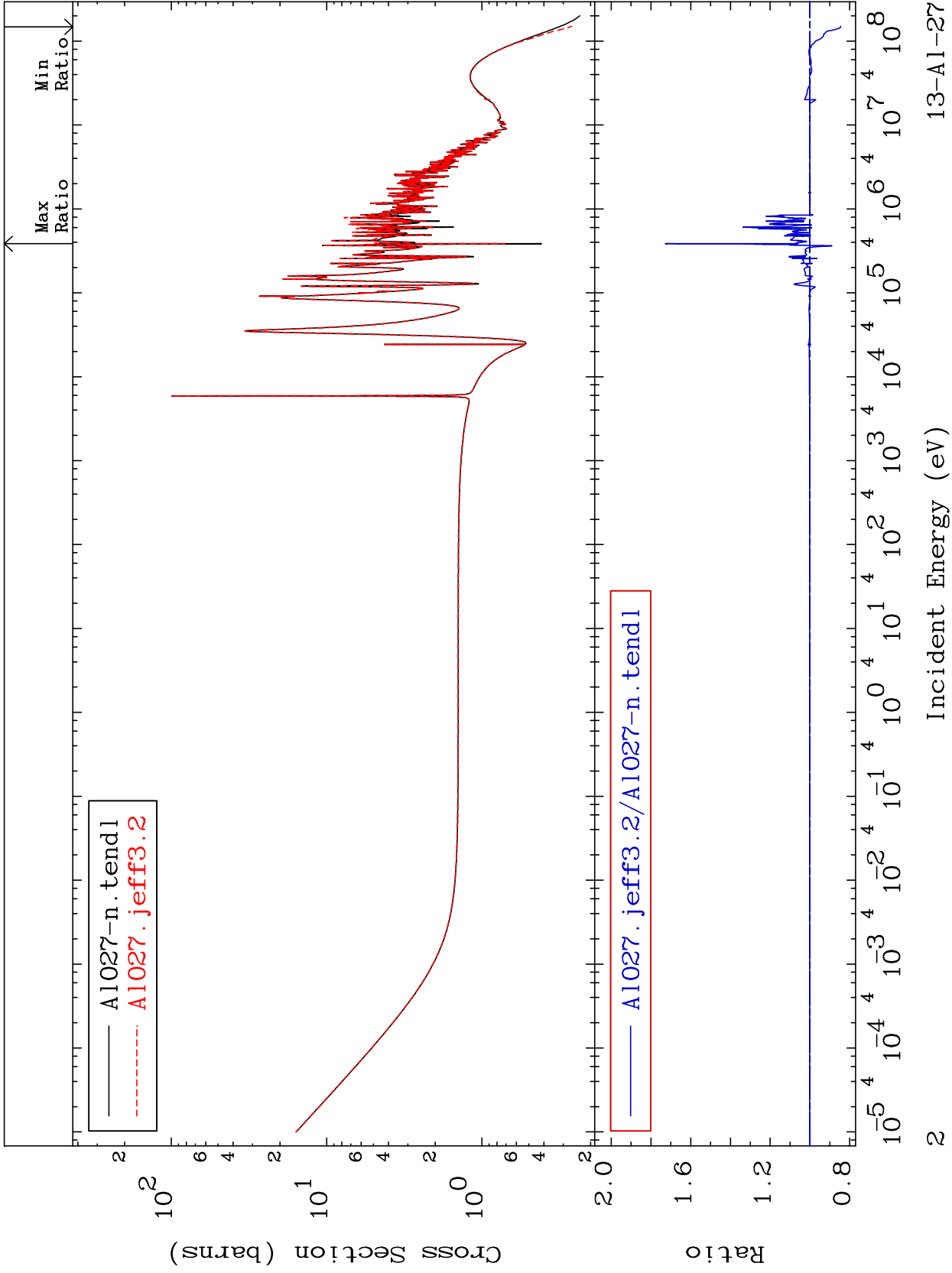


13-A1-27

MAT 1325

Elastic
Cross Section

13-A1-27
-15.46 To 72.67 %



13-A1-27

Incident Energy (eV)

2

MAT 1325

13-Al-27

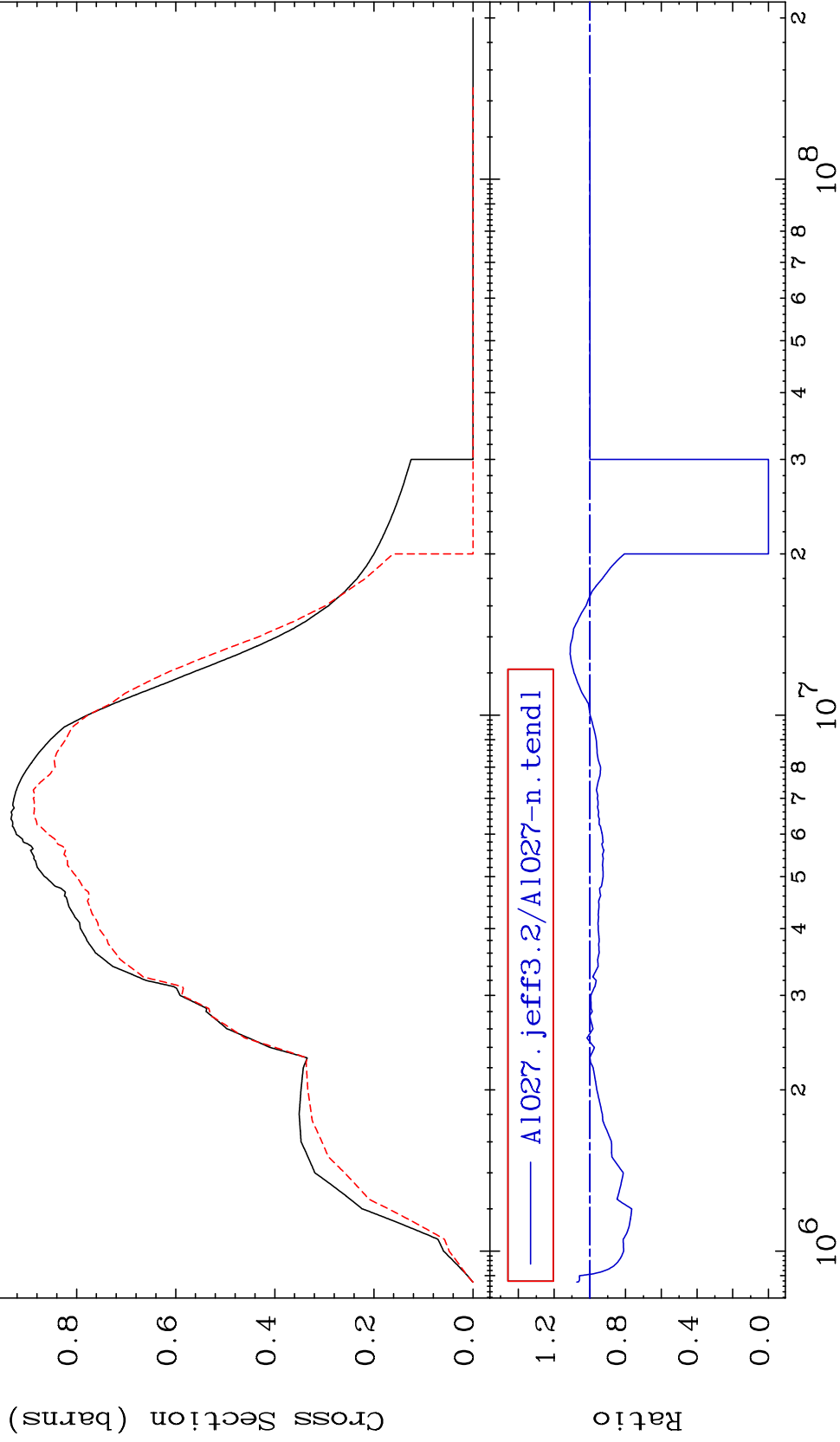
-100.0 To 11.04 %

Inelastic
Cross Section

Max
Ratio

Min
Ratio

— A1027-n.tendl Threshold 875.30 keV
- - - A1027.jeff3.2 Threshold 875.30 keV



3

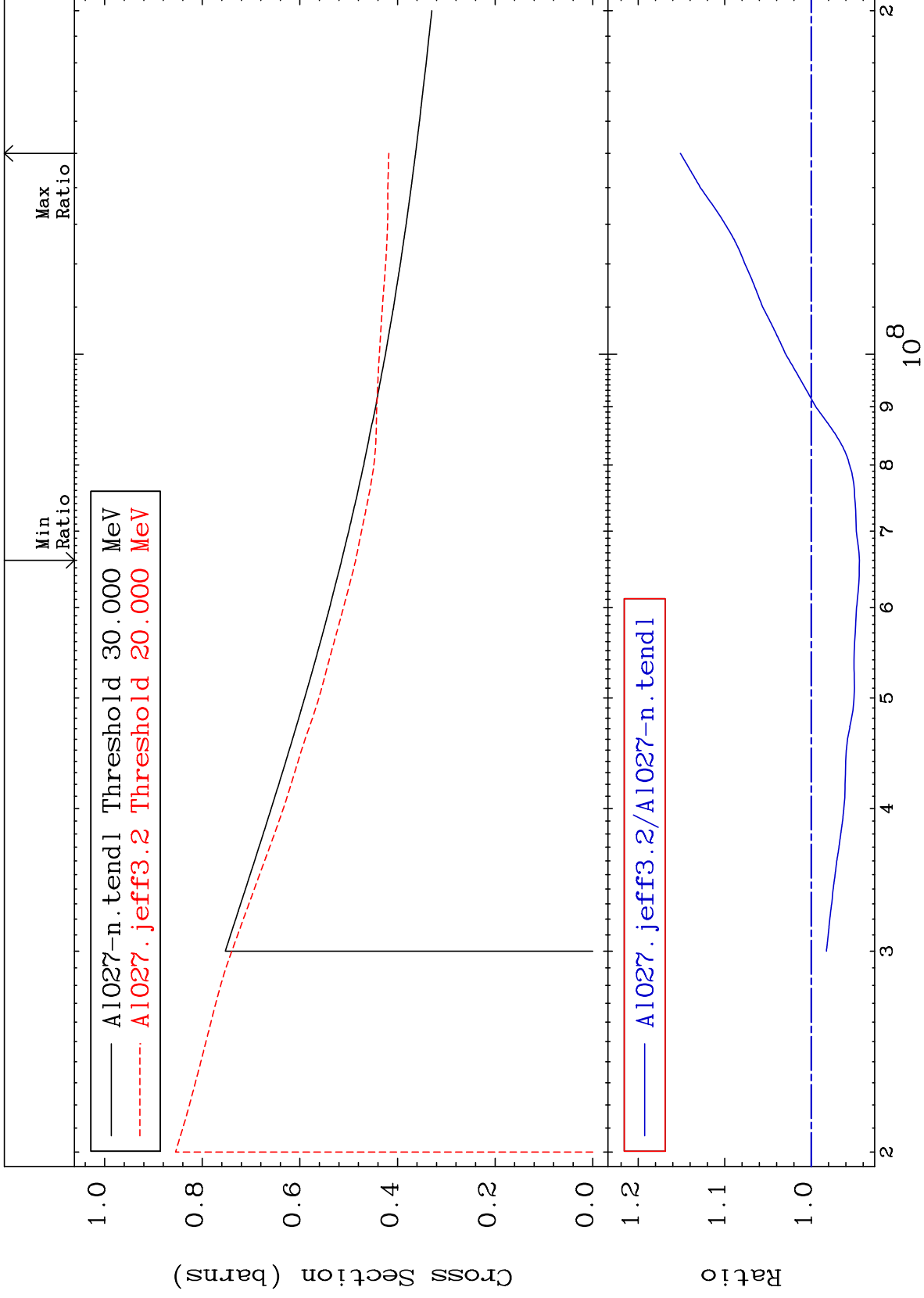
Incident Energy (eV)

13-Al-27

MAT 1325

(n, remainder)
Cross Section

13-Al-27
-5.575 To 15.14 %



4

Incident Energy (eV)

13-Al-27

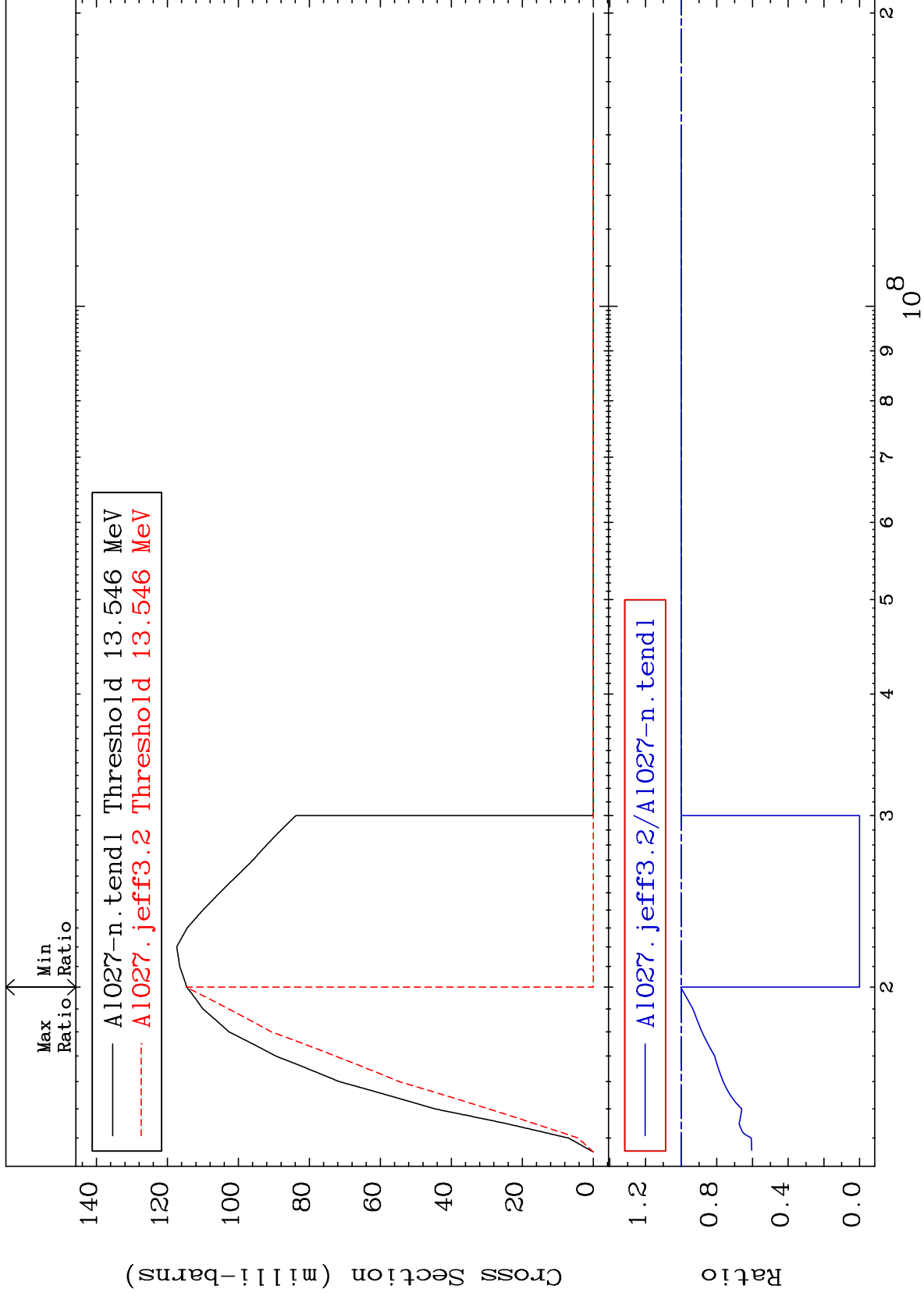
MAT 1325

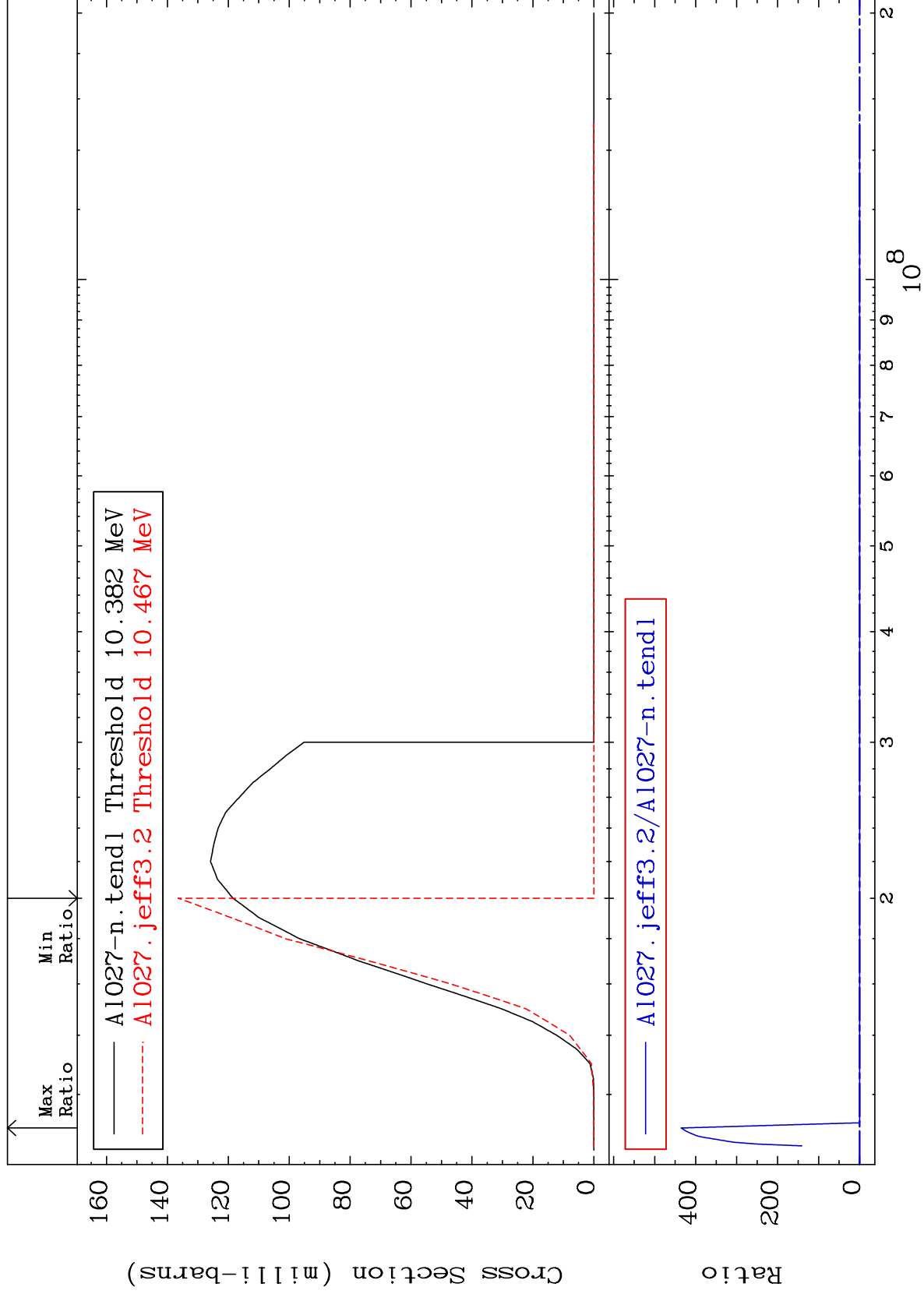
(n,2n)

13-Al-27

Cross Section

-100.0 To 0.210 %

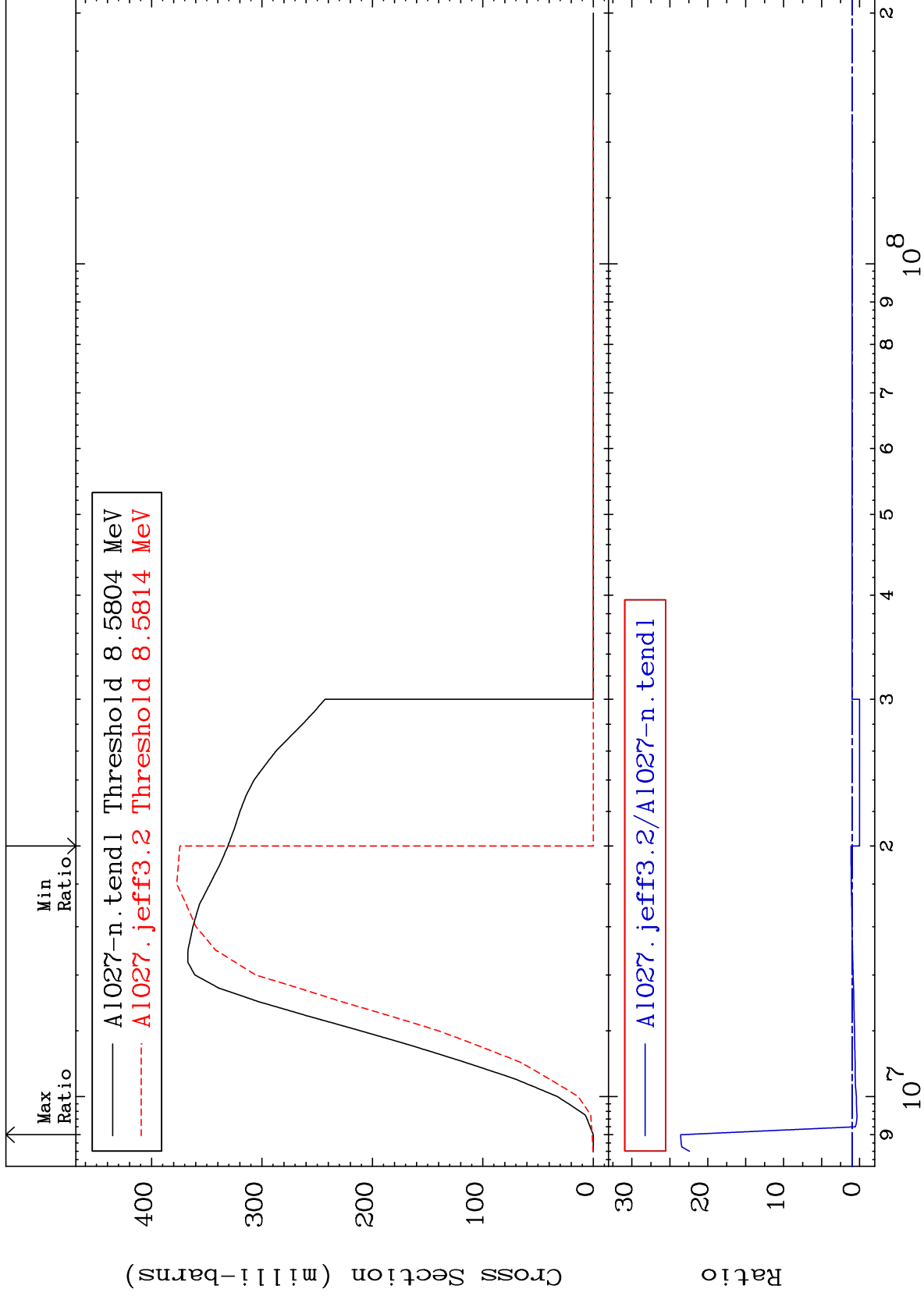




MAT 1325

(n,n') p
Cross Section

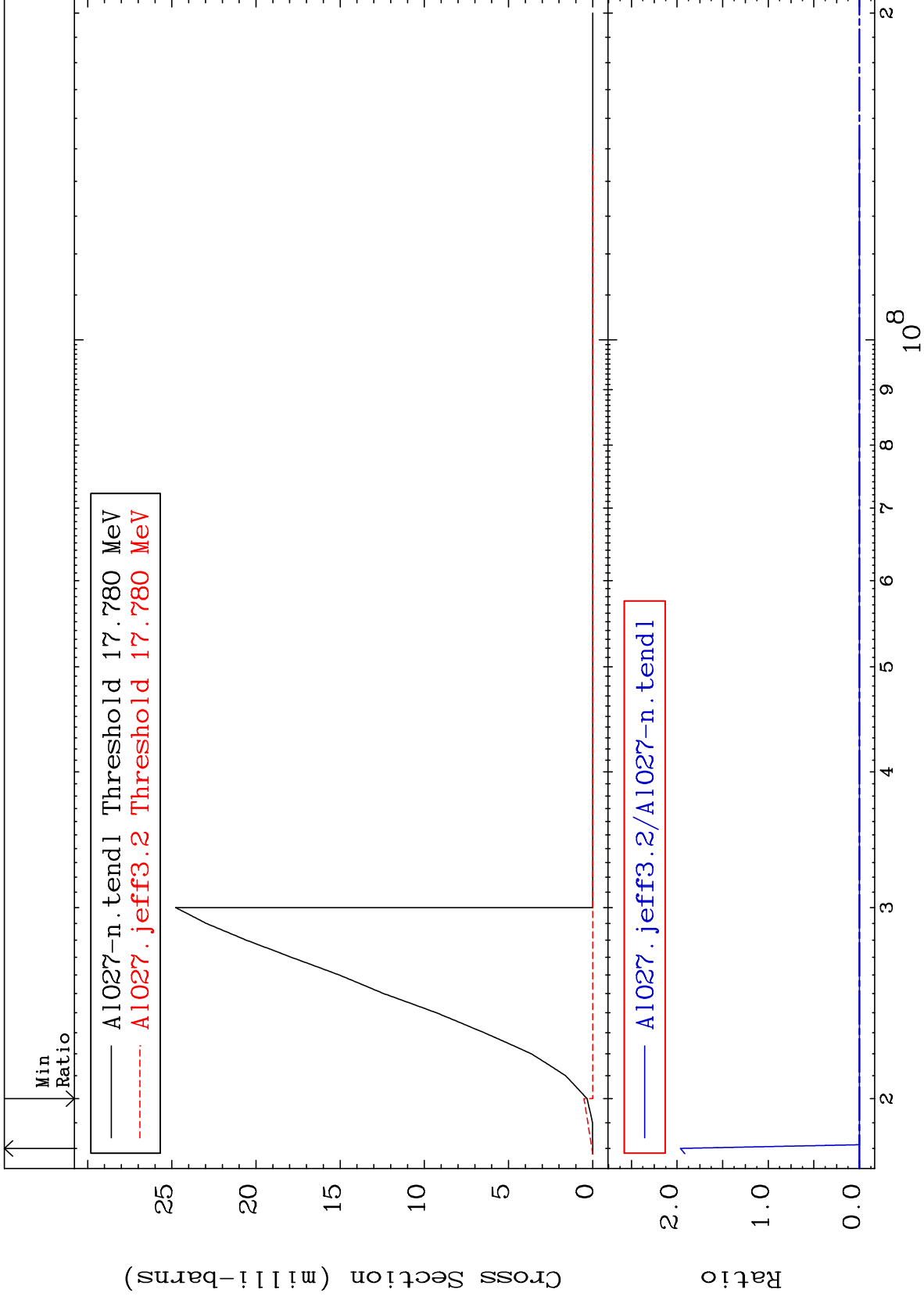
13-Al-27
-100.0 To 2256. %



7

Incident Energy (eV)

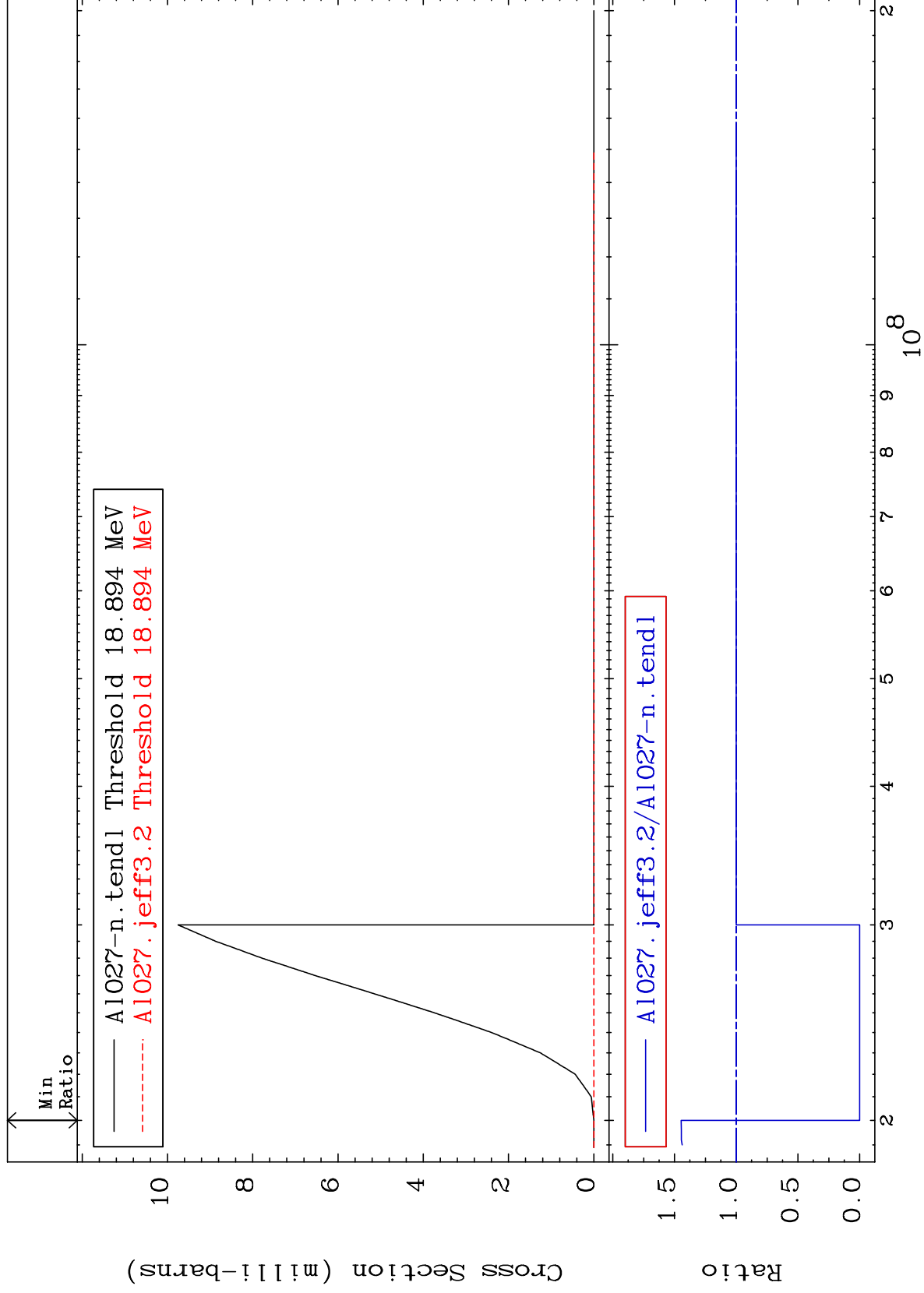
13-Al-27



MAT 1325

(n,n') t
Cross Section

13-Al-27
-100.0 To 44.60 %



9

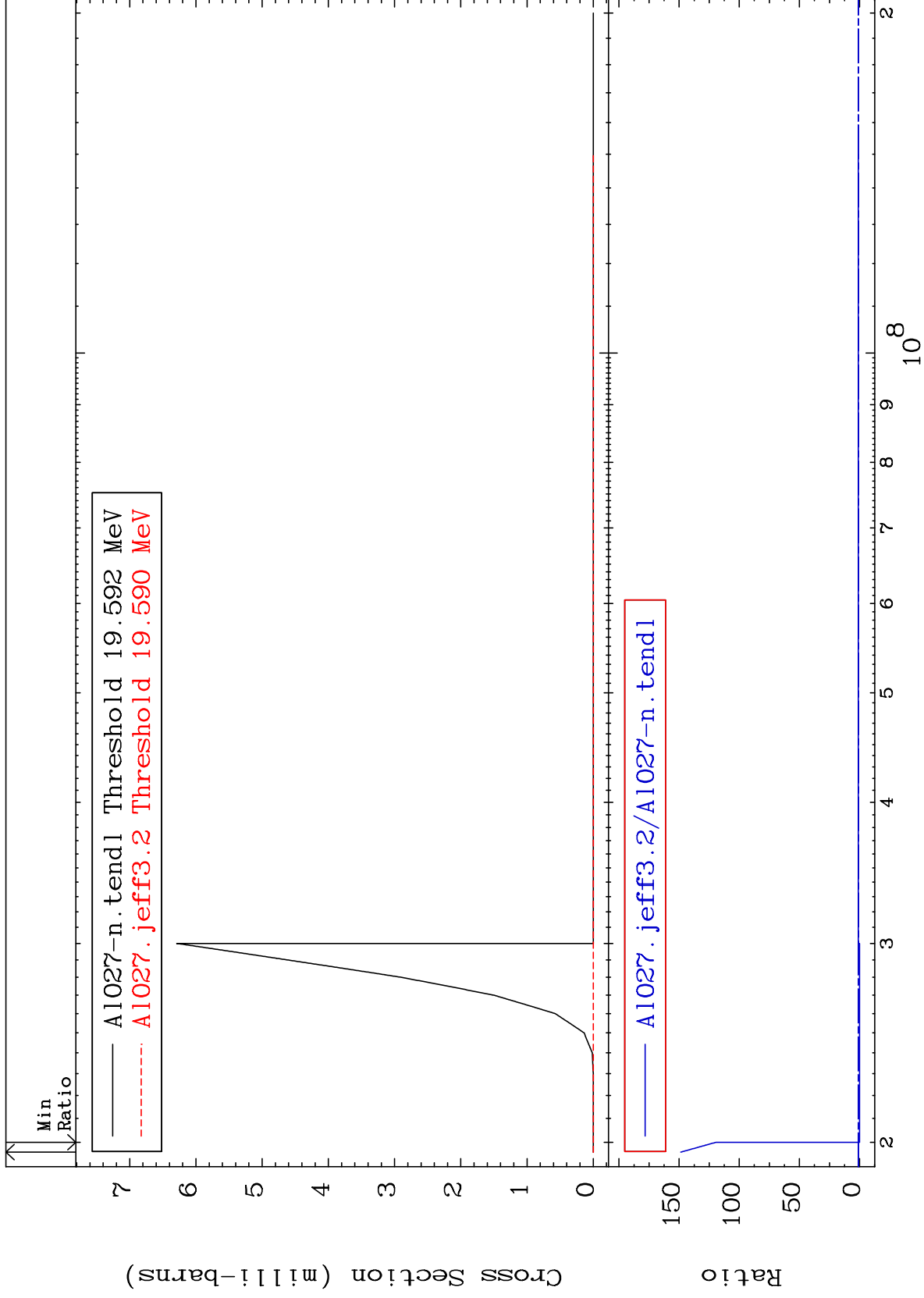
Incident Energy (eV)

13-Al-27

MAT 1325

(n,n') p α
Cross Section

13-Al-27
-100.0 To 9999. %



10

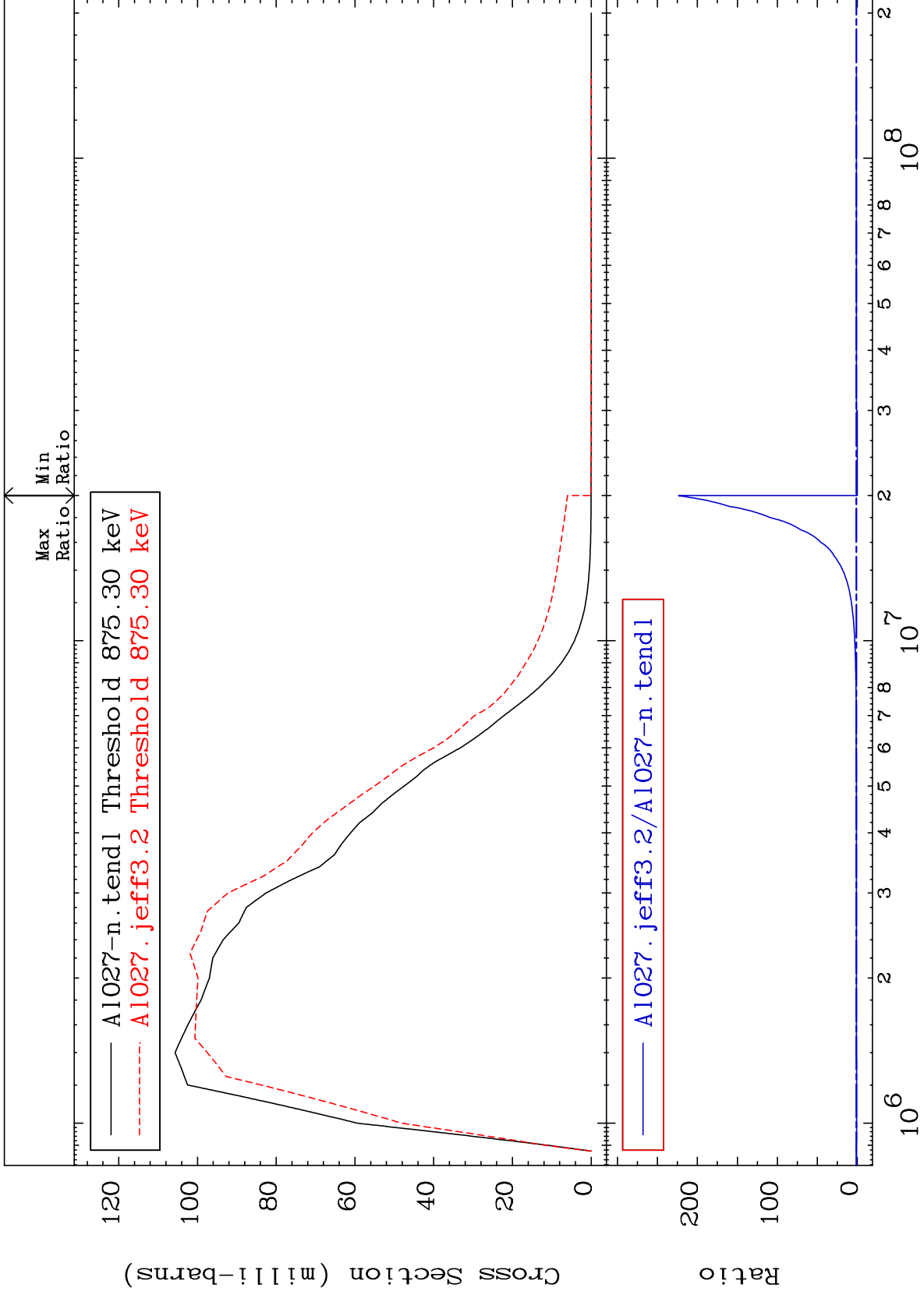
Incident Energy (eV)

13-Al-27

MAT 1325

843.8 keV (n,n') Level
Cross Section

13-Al-27
-100.0 To 9999. %



11

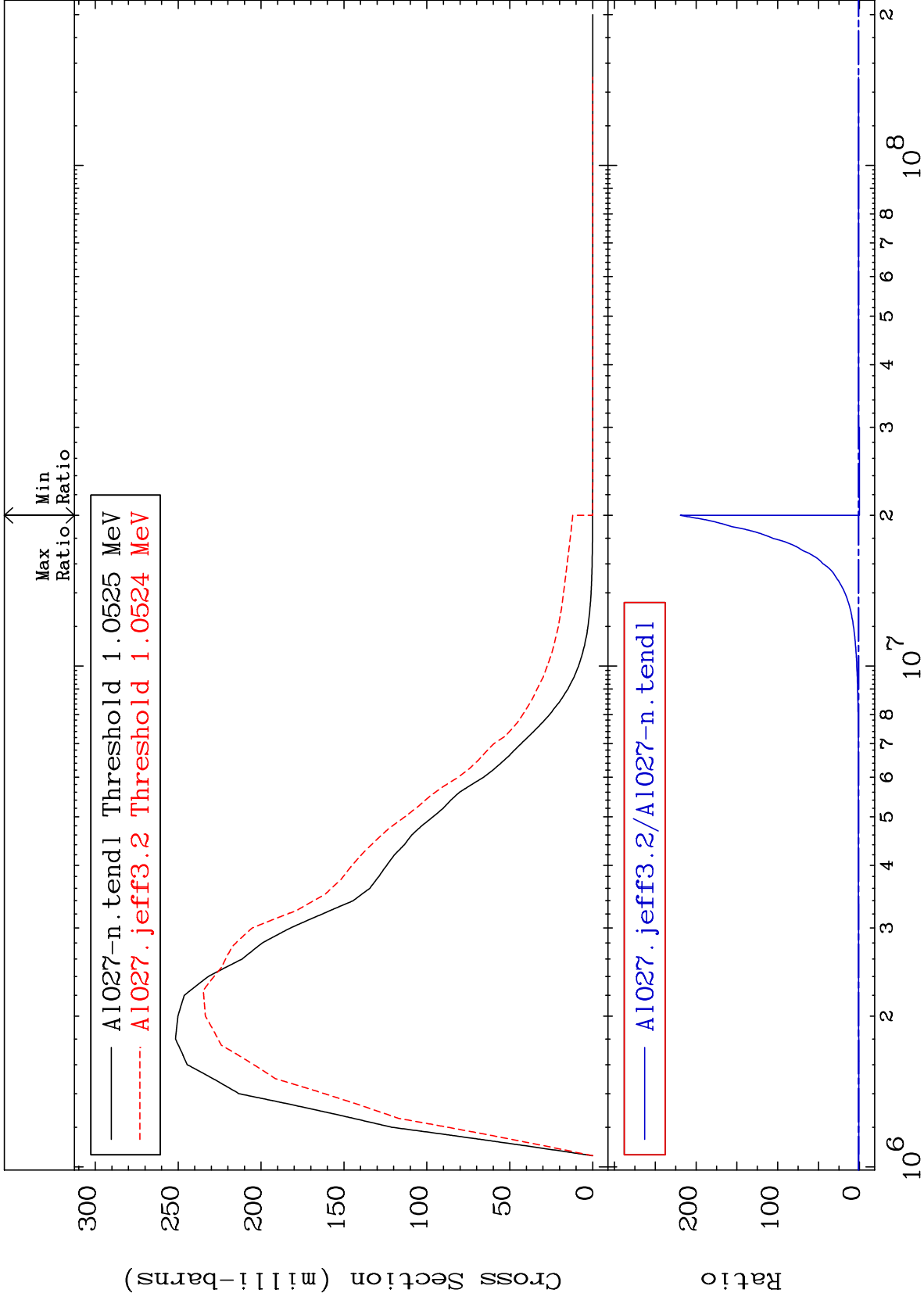
Incident Energy (eV)

13-Al-27

MAT 1325

1.015 MeV (n,n') Level
Cross Section

13-Al-27
-100.0 To 9999. %



12

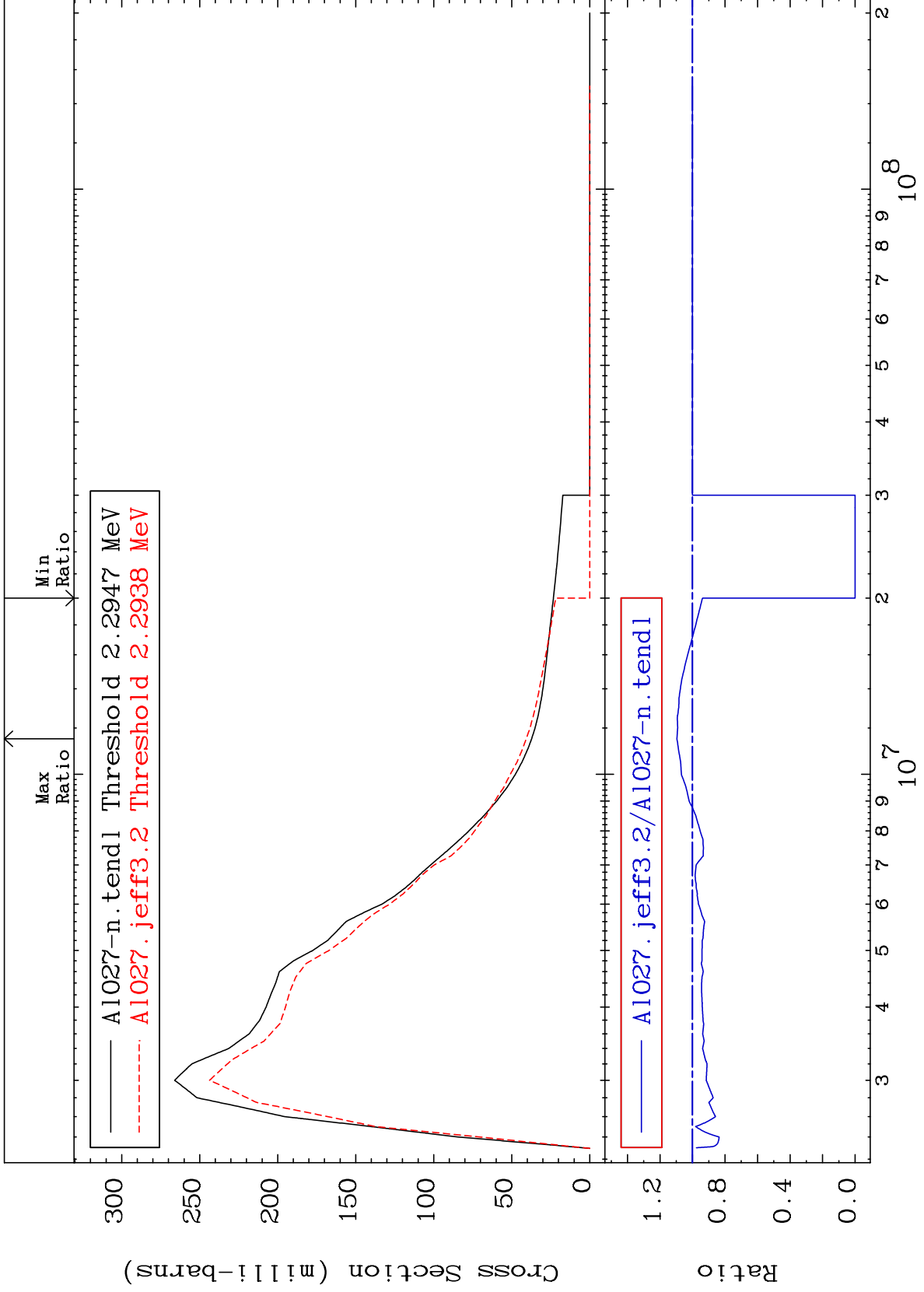
Incident Energy (eV)

13-Al-27

MAT 1325

2.212 MeV (n,n') Level
Cross Section

13-Al-27
-100.0 To 9.594 %

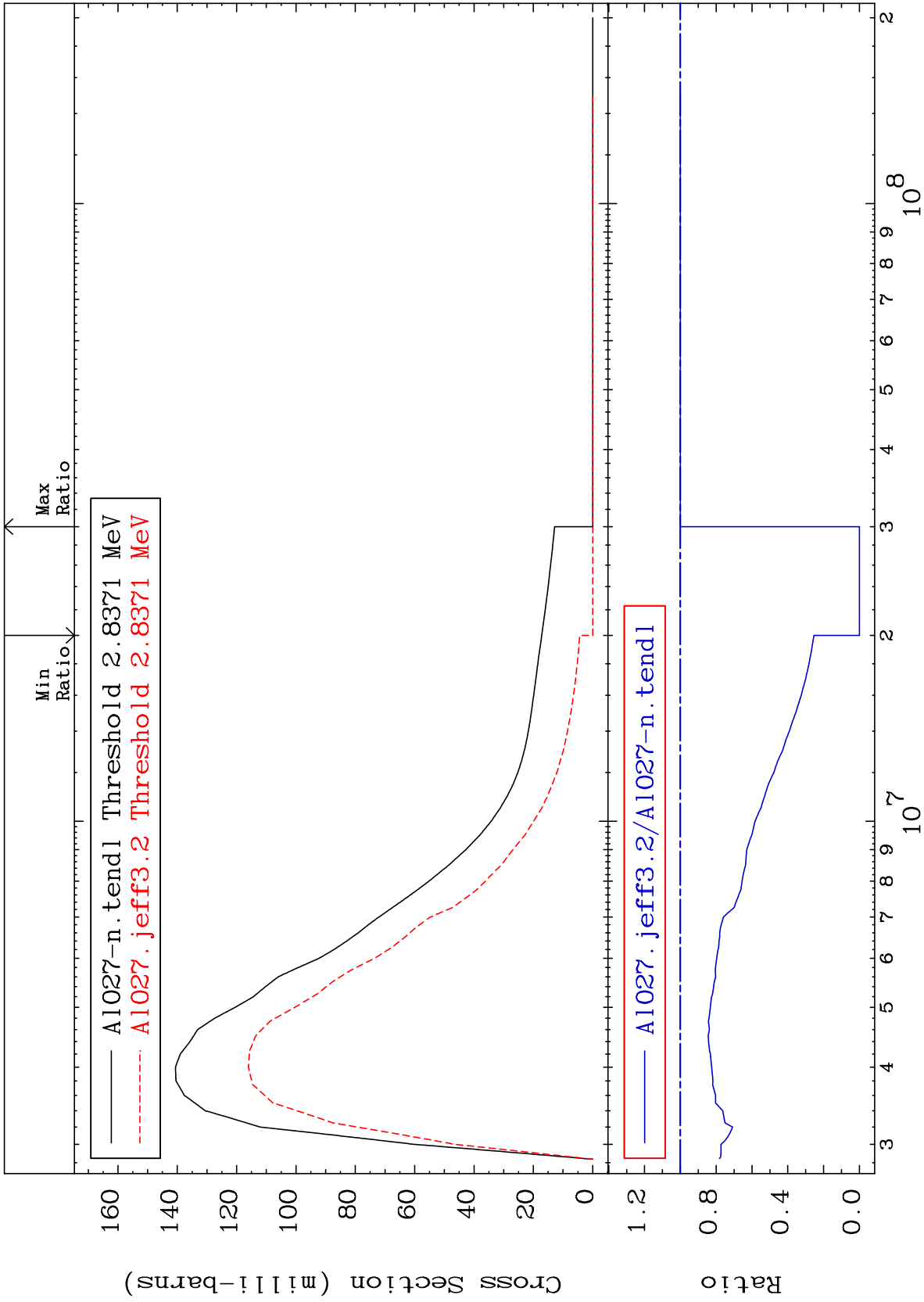


MAT 1325

2.735 MeV (n,n') Level

13-Al-27

-100.0 To 0.000 %



14

13-Al-27

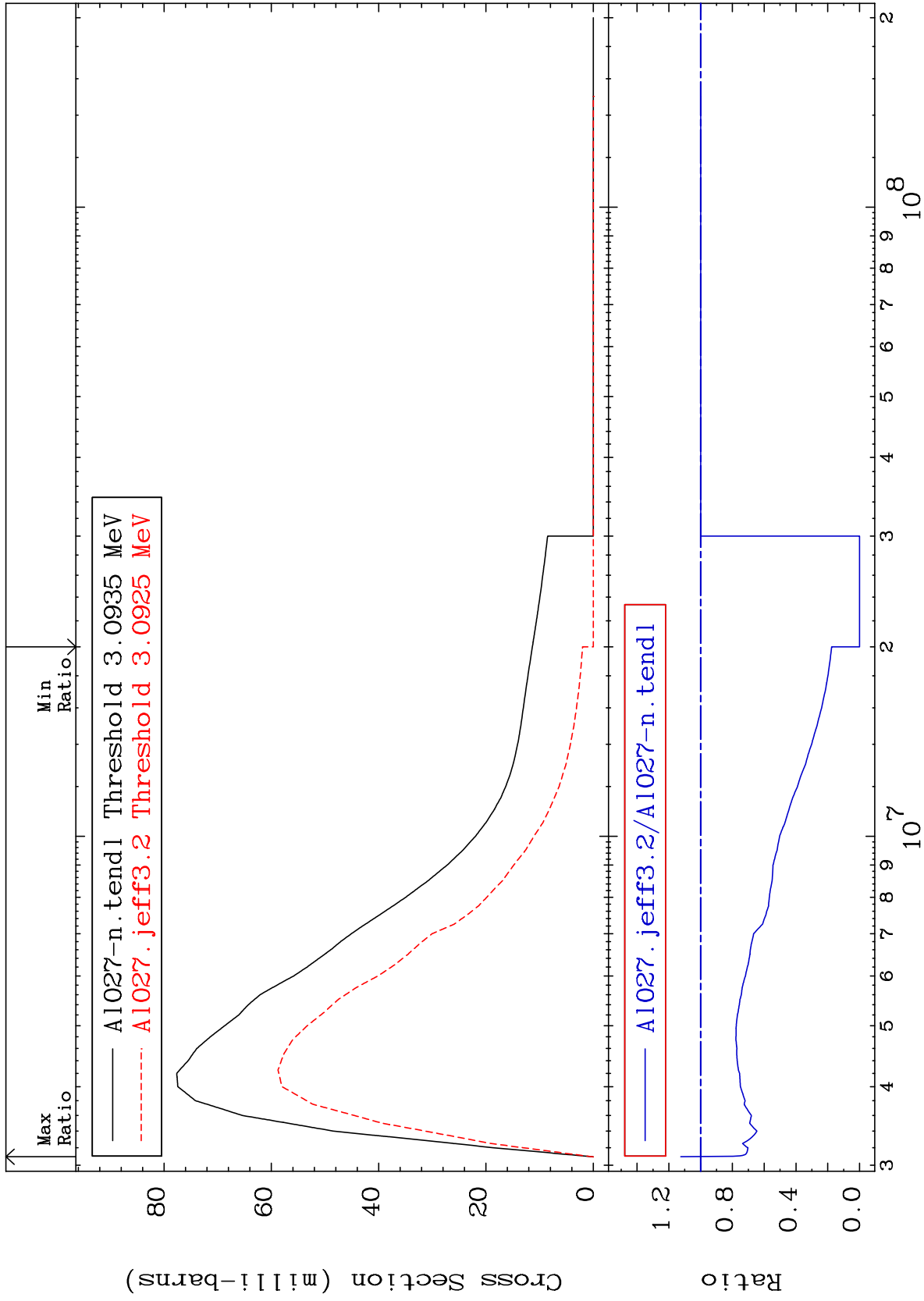
MAT 1325

2.982 MeV (n,n') Level

13-Al-27

-100.0 To 12.49 %

Cross Section



15

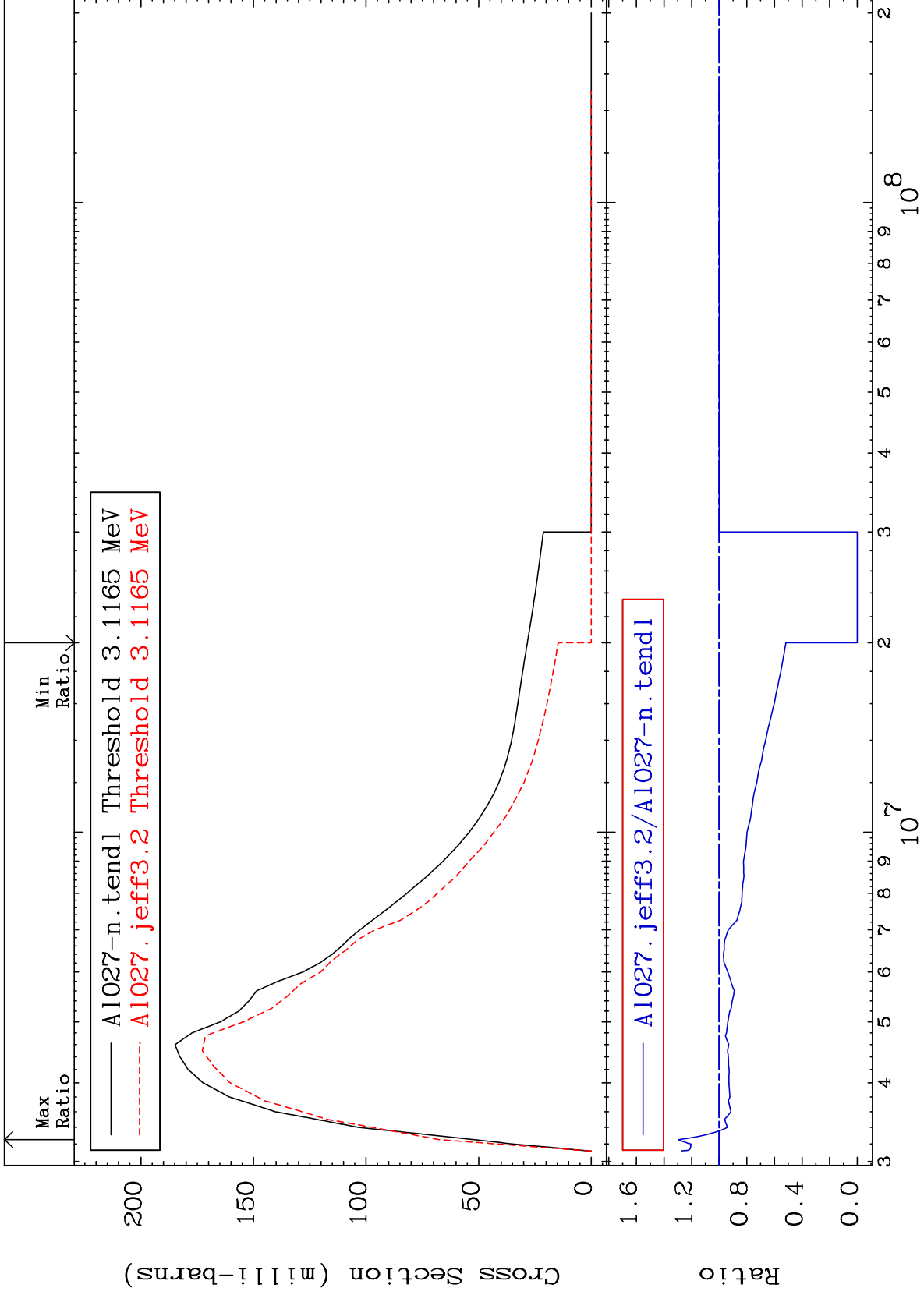
13-Al-27

13-Al-27

MAT 1325

3.004 MeV (n,n') Level
Cross Section

13-Al-27
-100.0 To 29.41 %



16

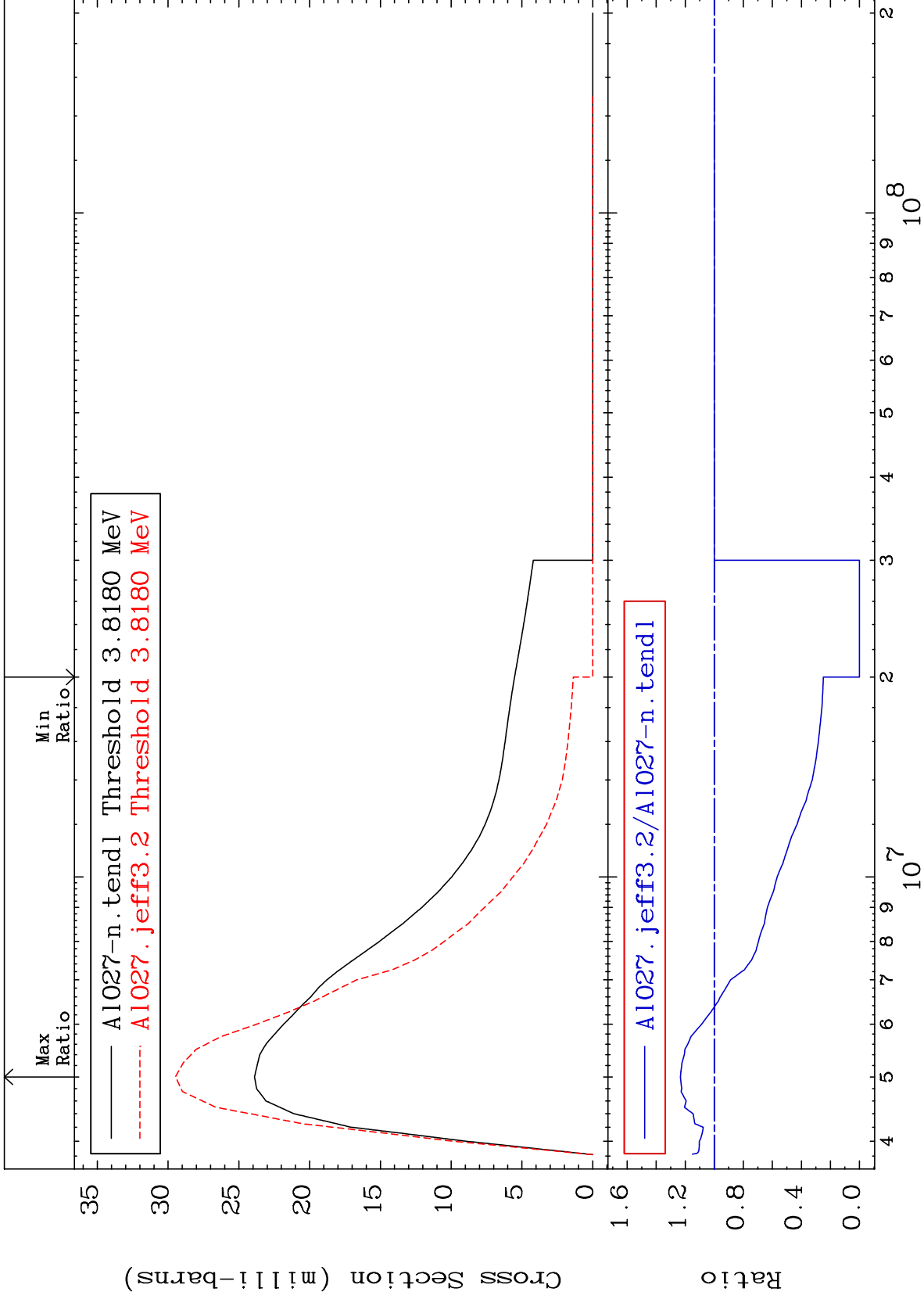
13-Al-27

13-Al-27

MAT 1325

3.680 MeV (n,n') Level
Cross Section

13-Al-27
-100.0 To 23.37 %



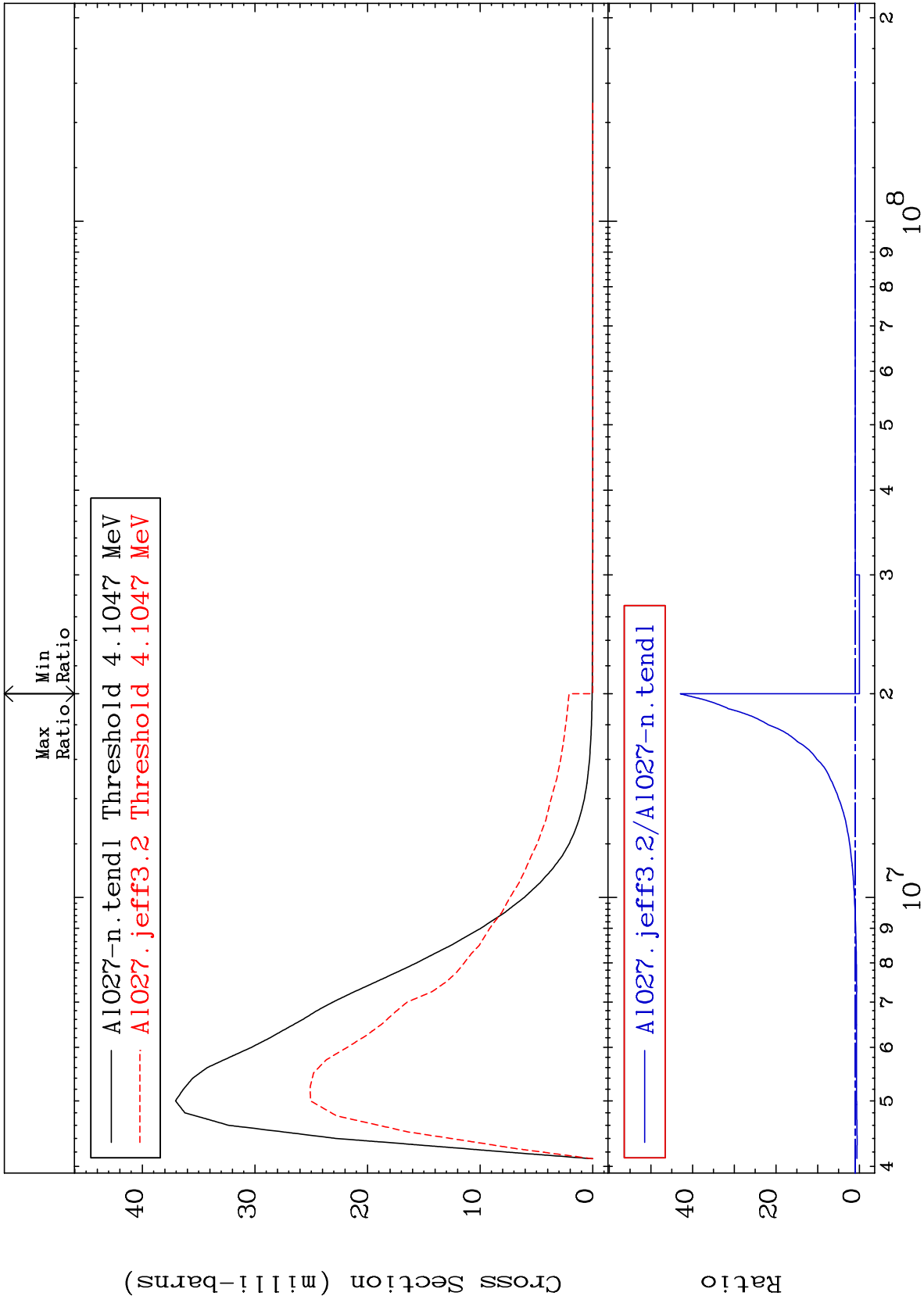
17

13-Al-27

MAT 1325

3.957 MeV (n,n') Level
Cross Section

13-Al-27
-100.0 To 4193. %



18

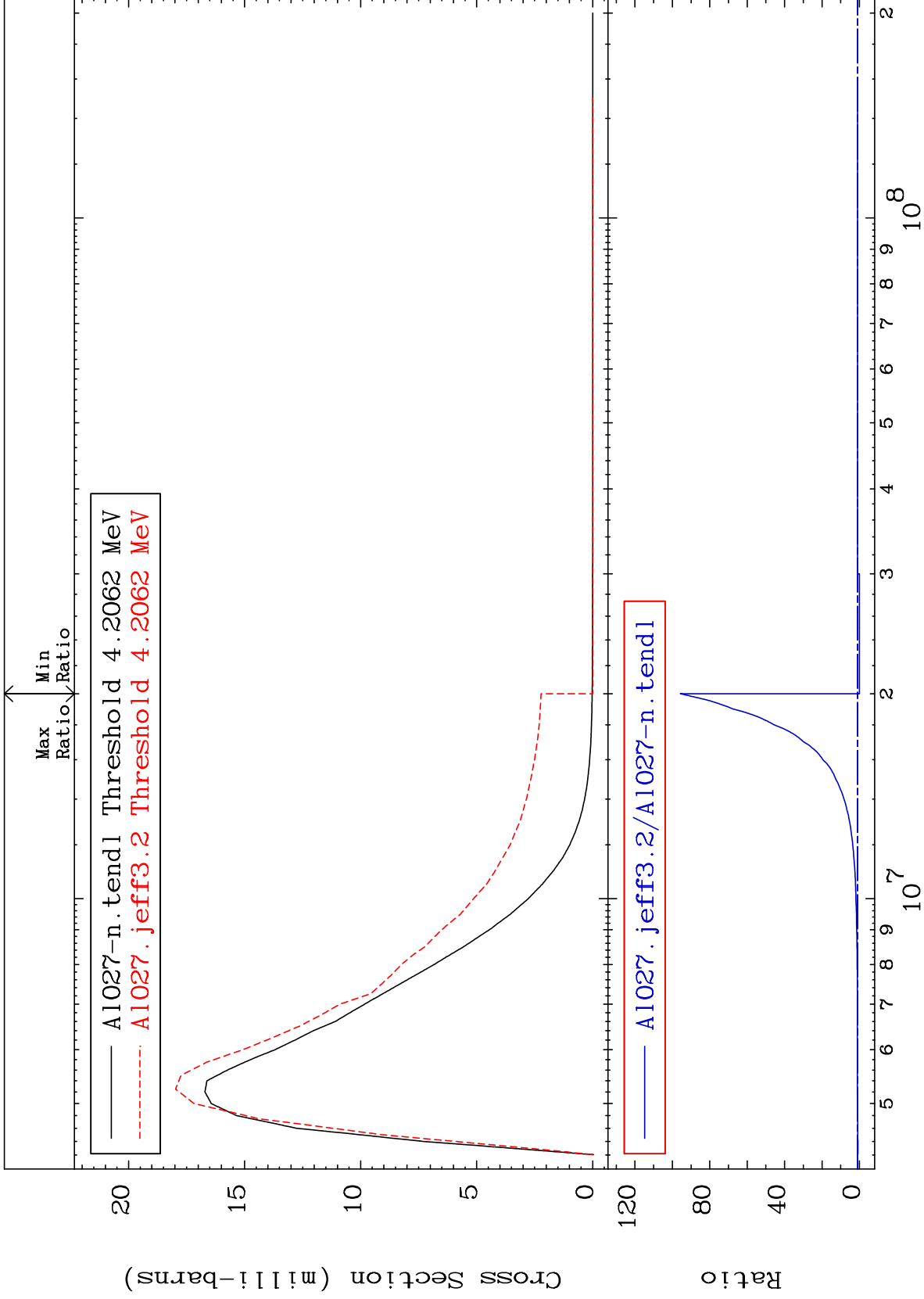
Incident Energy (eV)

13-Al-27

MAT 1325

4.055 MeV (n,n') Level
Cross Section

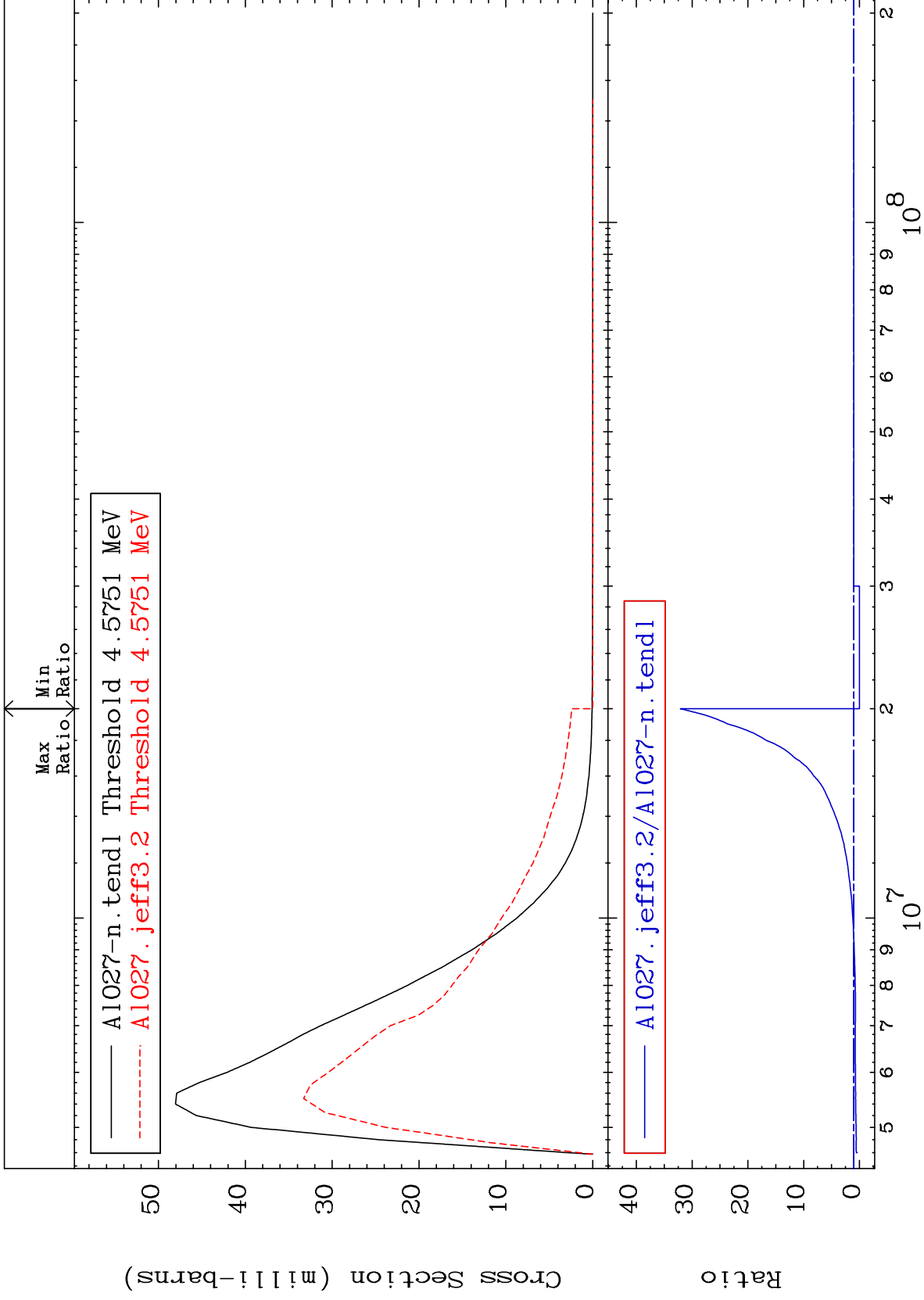
13-Al-27
-100.0 To 9472. %



MAT 1325

4.410 MeV (n,n') Level
Cross Section

13-Al-27
-100.0 To 3111. %



20

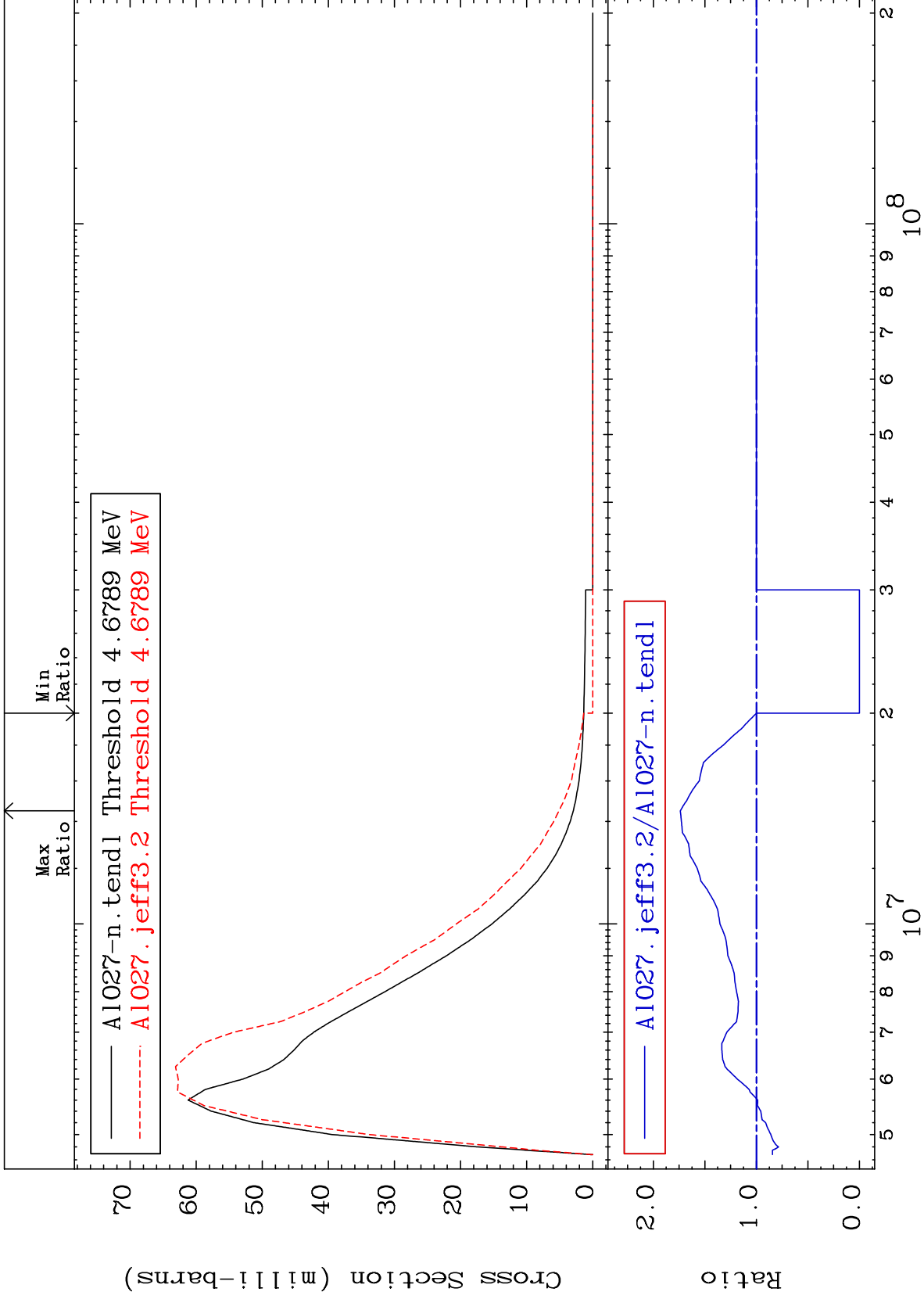
Incident Energy (eV)

13-Al-27

MAT 1325

4.510 MeV (n,n') Level
Cross Section

13-Al-27
-100.0 To 73.76 %



21

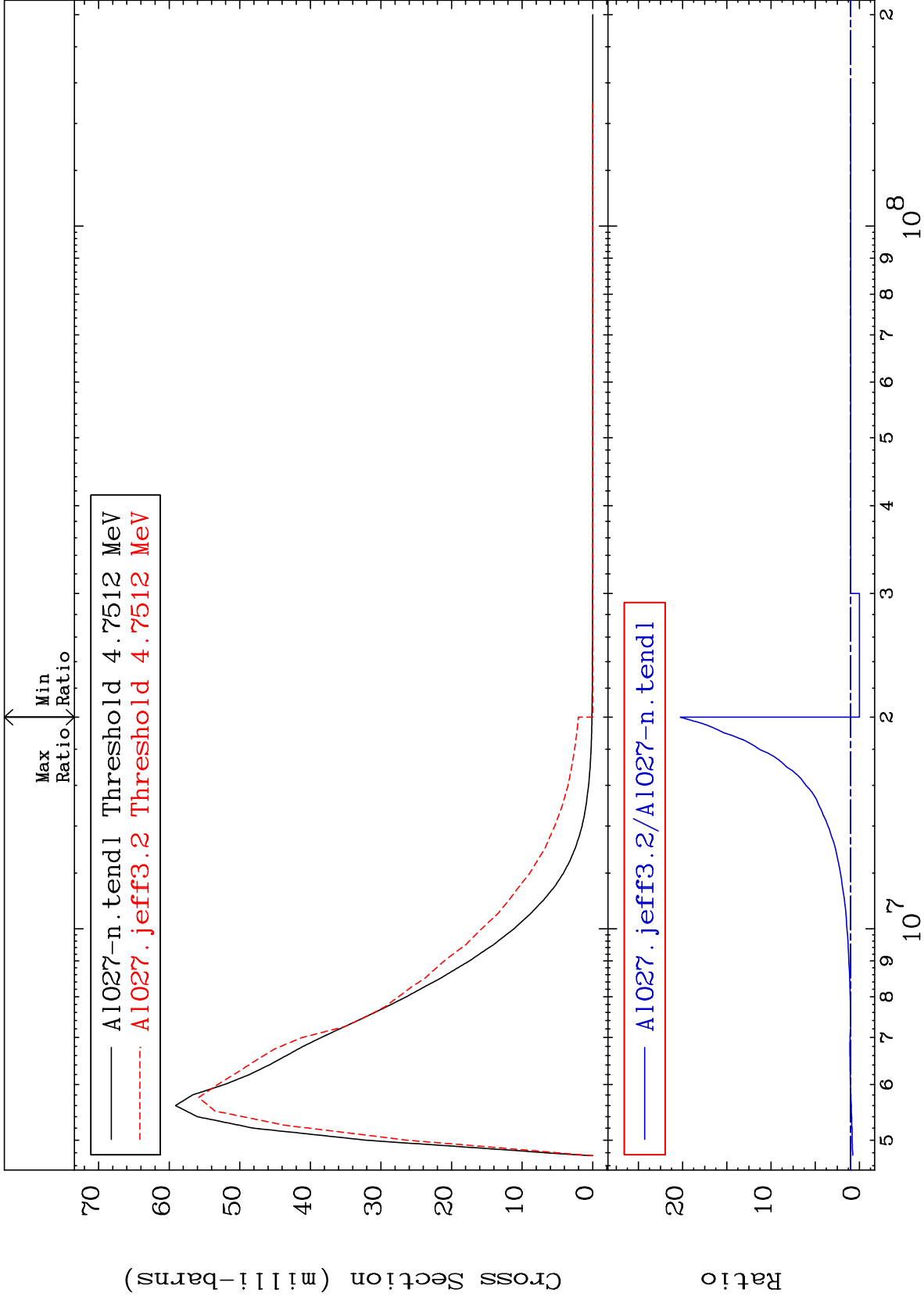
Incident Energy (eV)

13-Al-27

MAT 1325

4.580 MeV (n,n') Level
Cross Section

13-Al-27
-100.0 To 1925. %



22

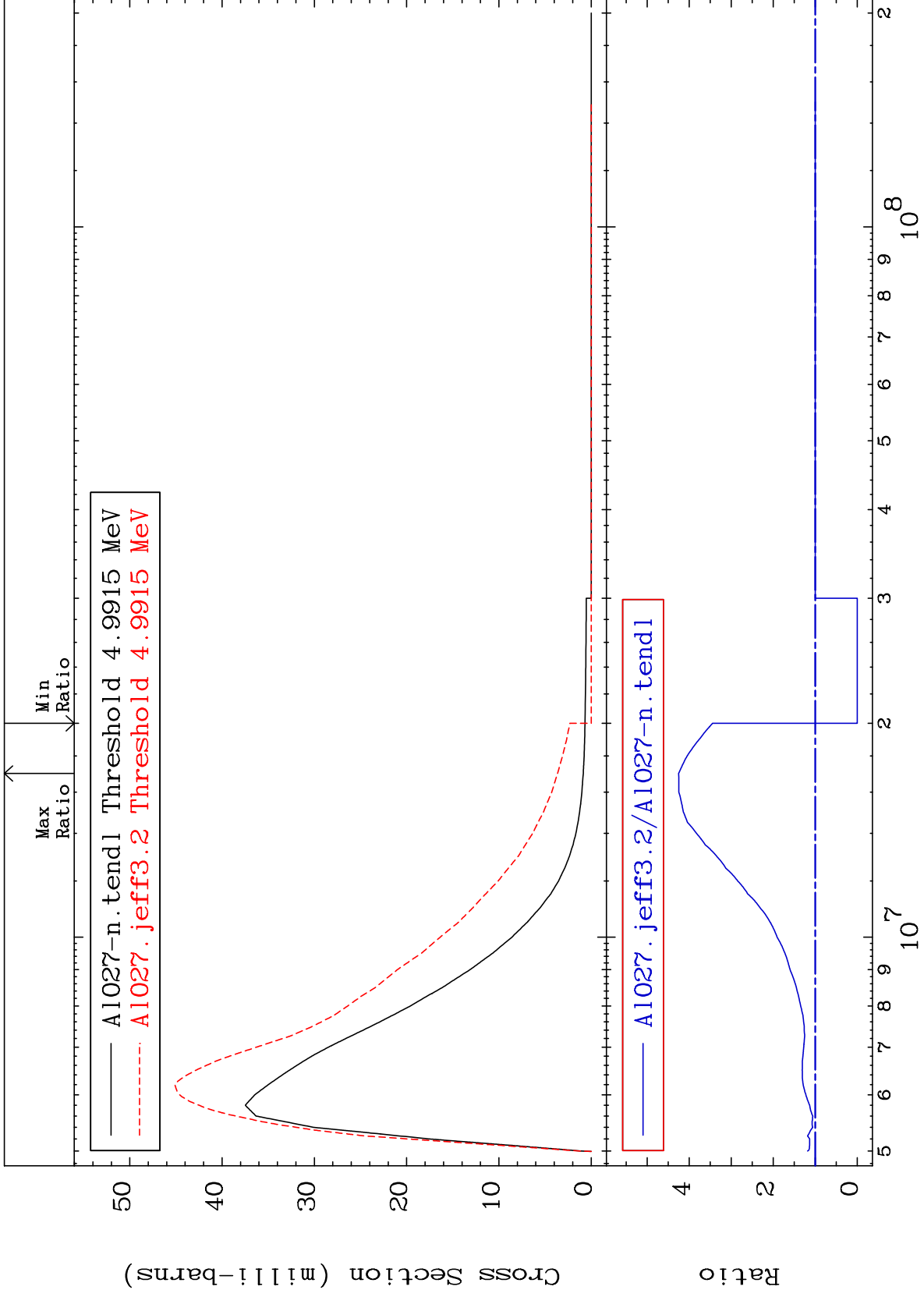
13-Al-27

13-Al-27

MAT 1325

4.812 MeV (n,n') Level
Cross Section

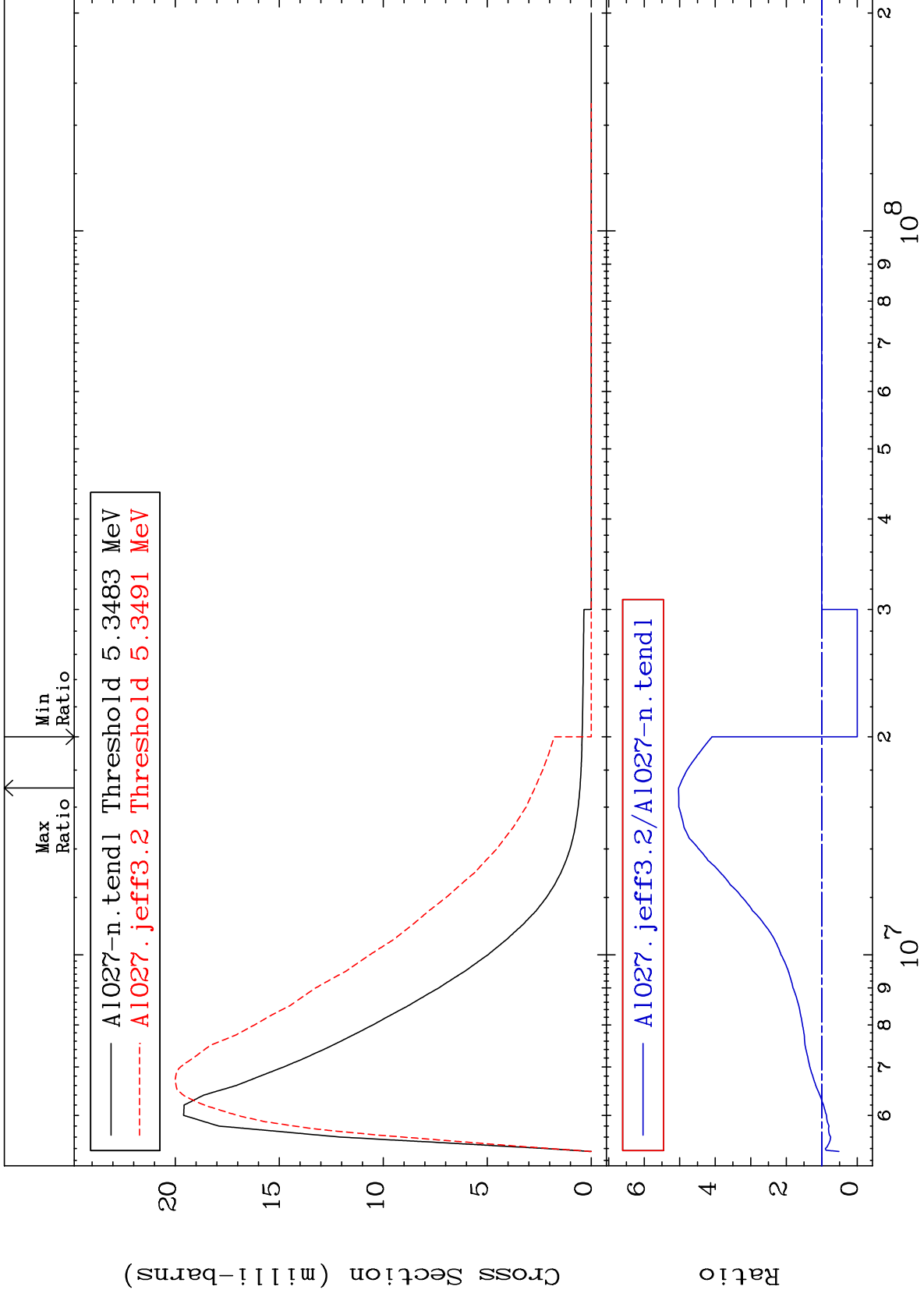
13-Al-27
-100.0 To 325.2 %



MAT 1325

5.156 MeV (n,n') Level
Cross Section

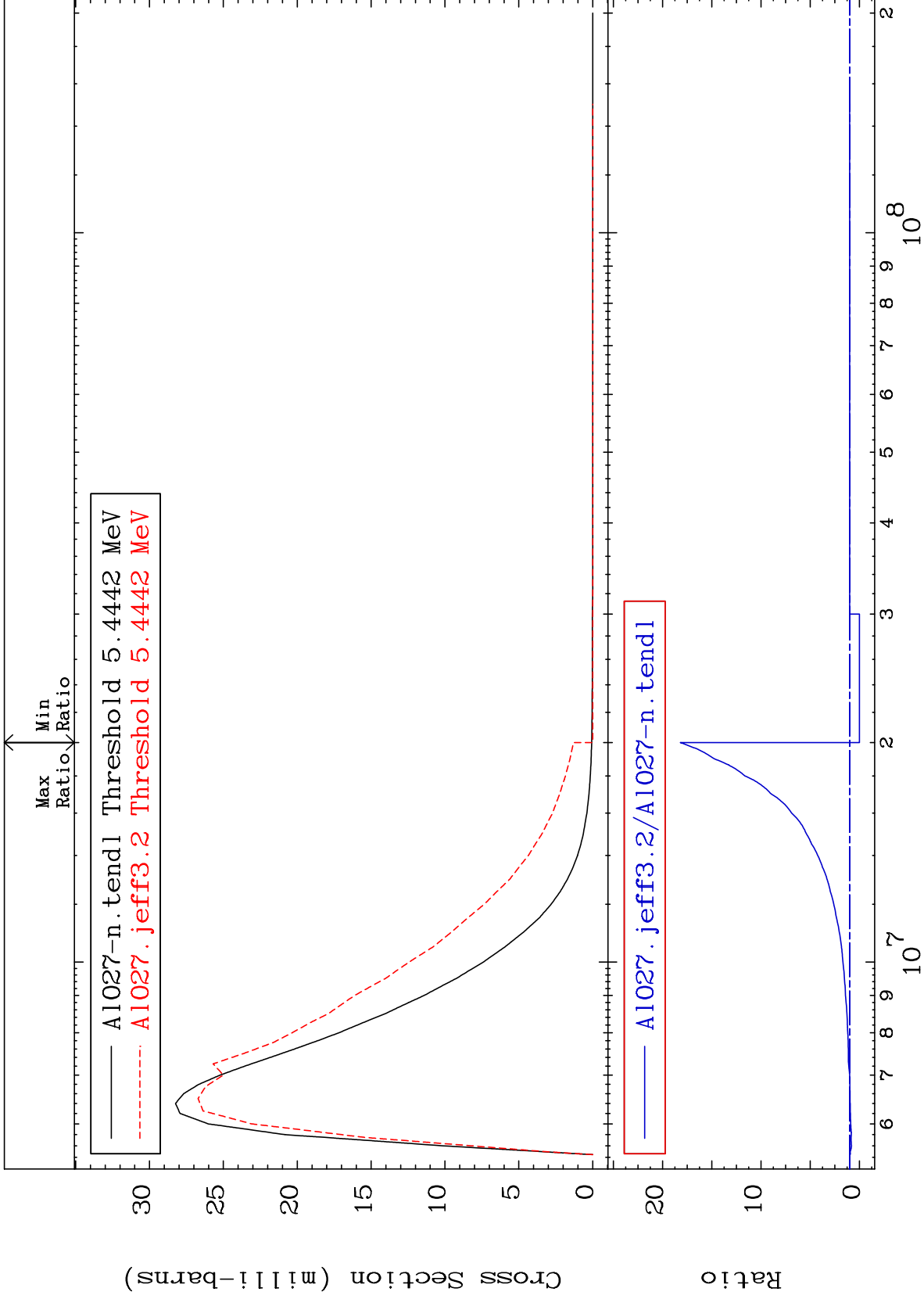
13-Al-27
-100.0 To 403.0 %



MAT 1325

5.248 MeV (n,n') Level
Cross Section

13-Al-27
-100.0 To 1719. %



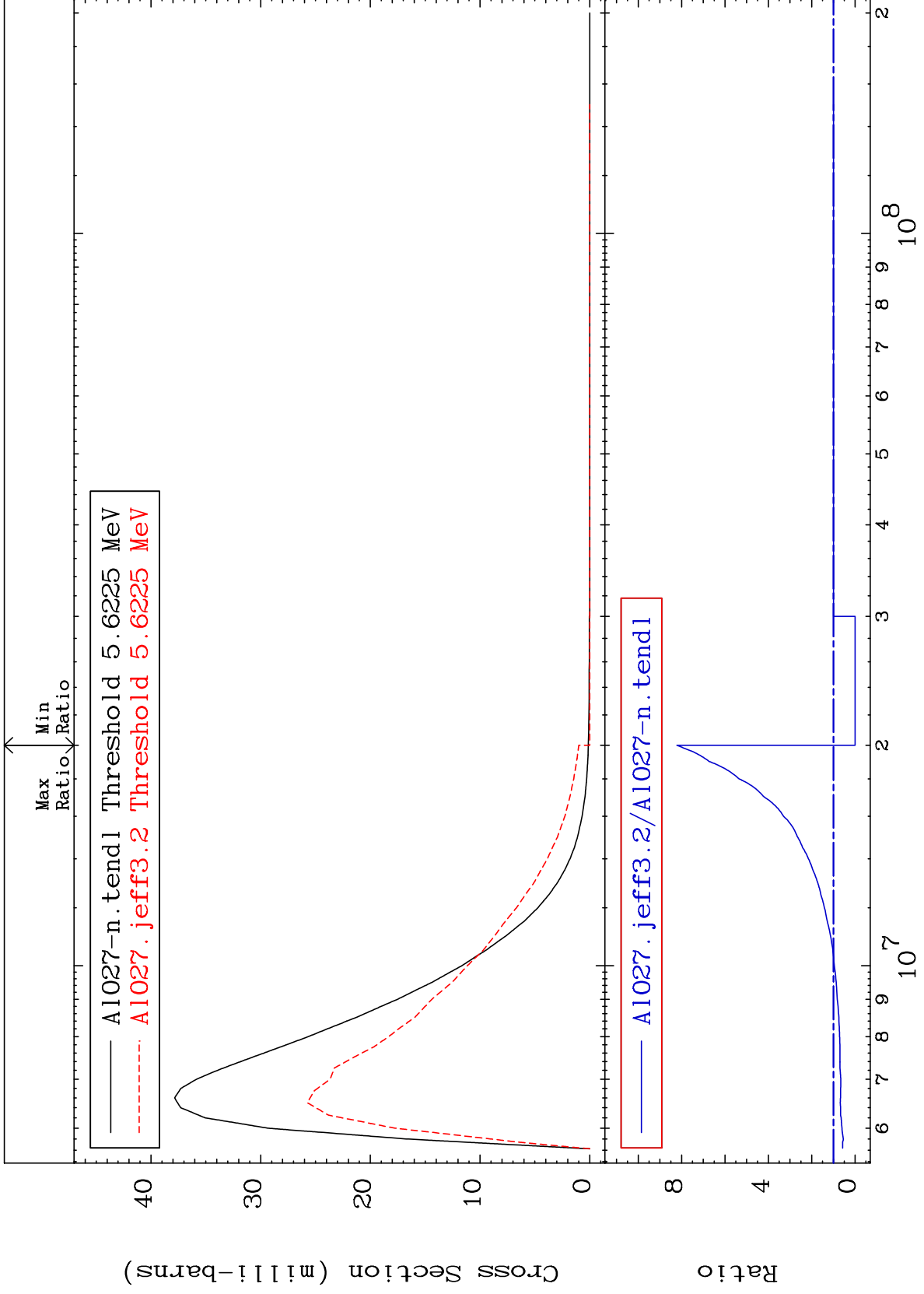
25

13-Al-27

MAT 1325

5.420 MeV (n,n') Level
Cross Section

13-Al-27
-100.0 To 721.7 %



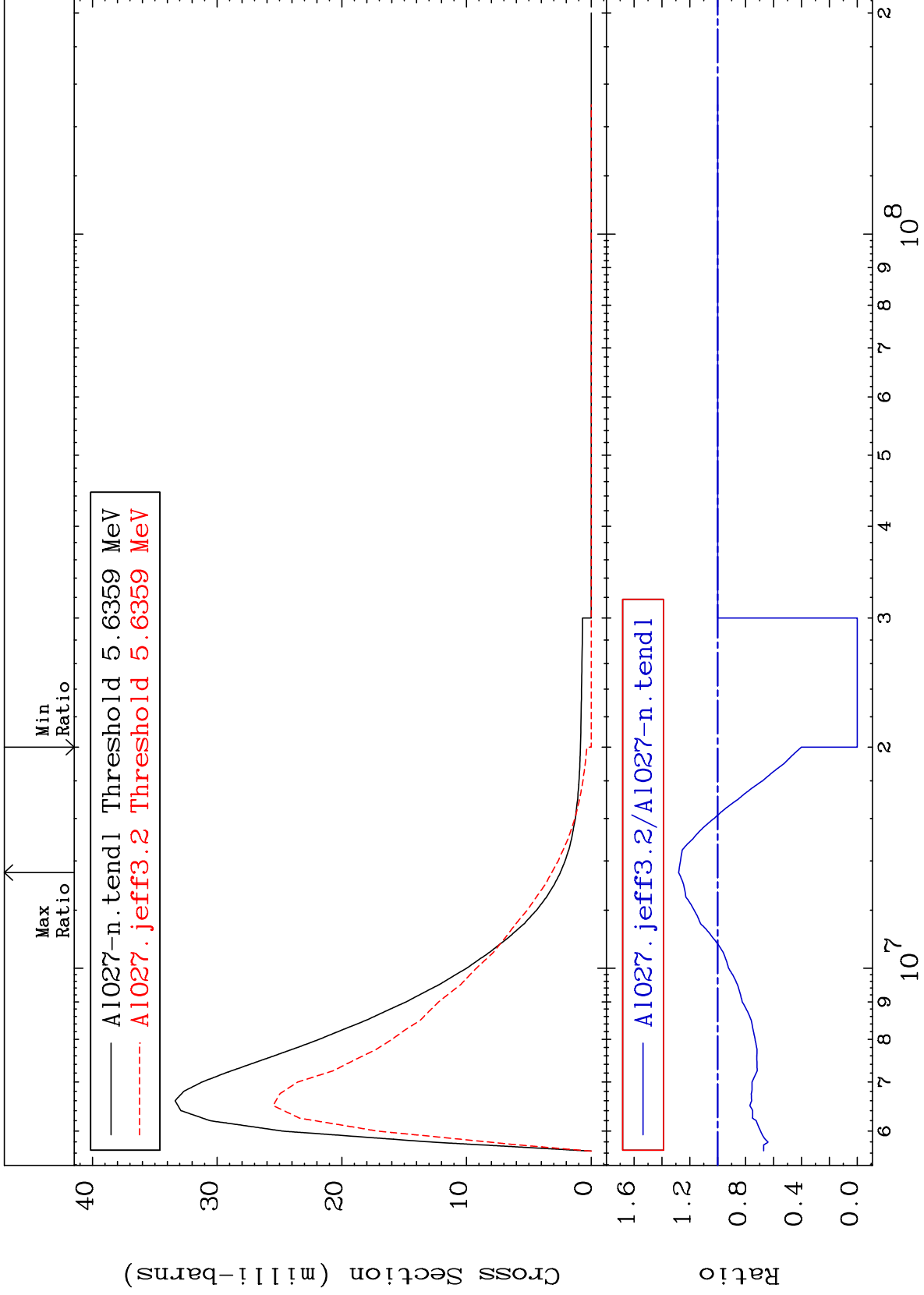
26

13-Al-27

MAT 1325

5.433 MeV (n,n') Level
Cross Section

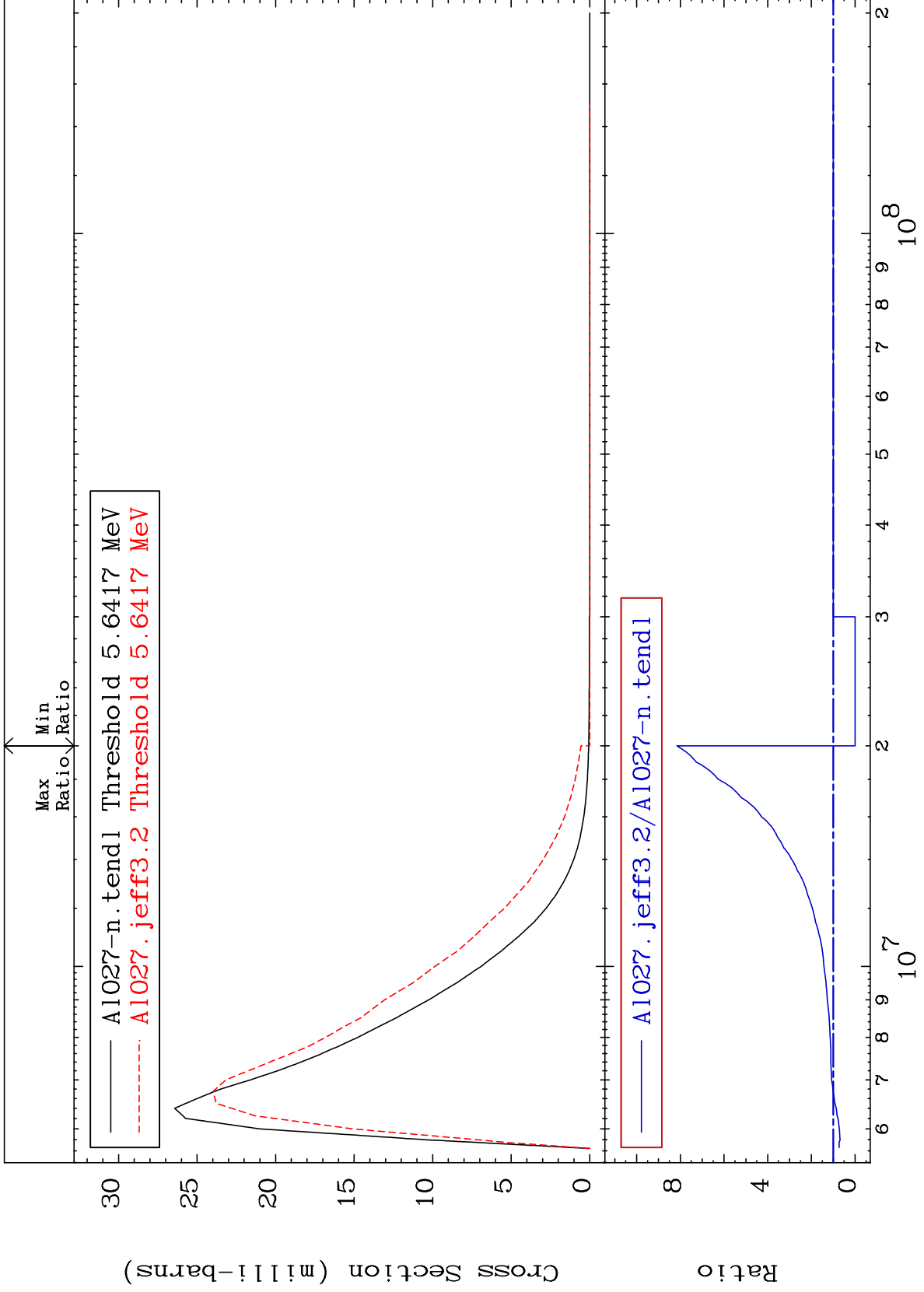
13-Al-27
-100.0 To 28.04 %



MAT 1325

5.438 MeV (n,n') Level
Cross Section

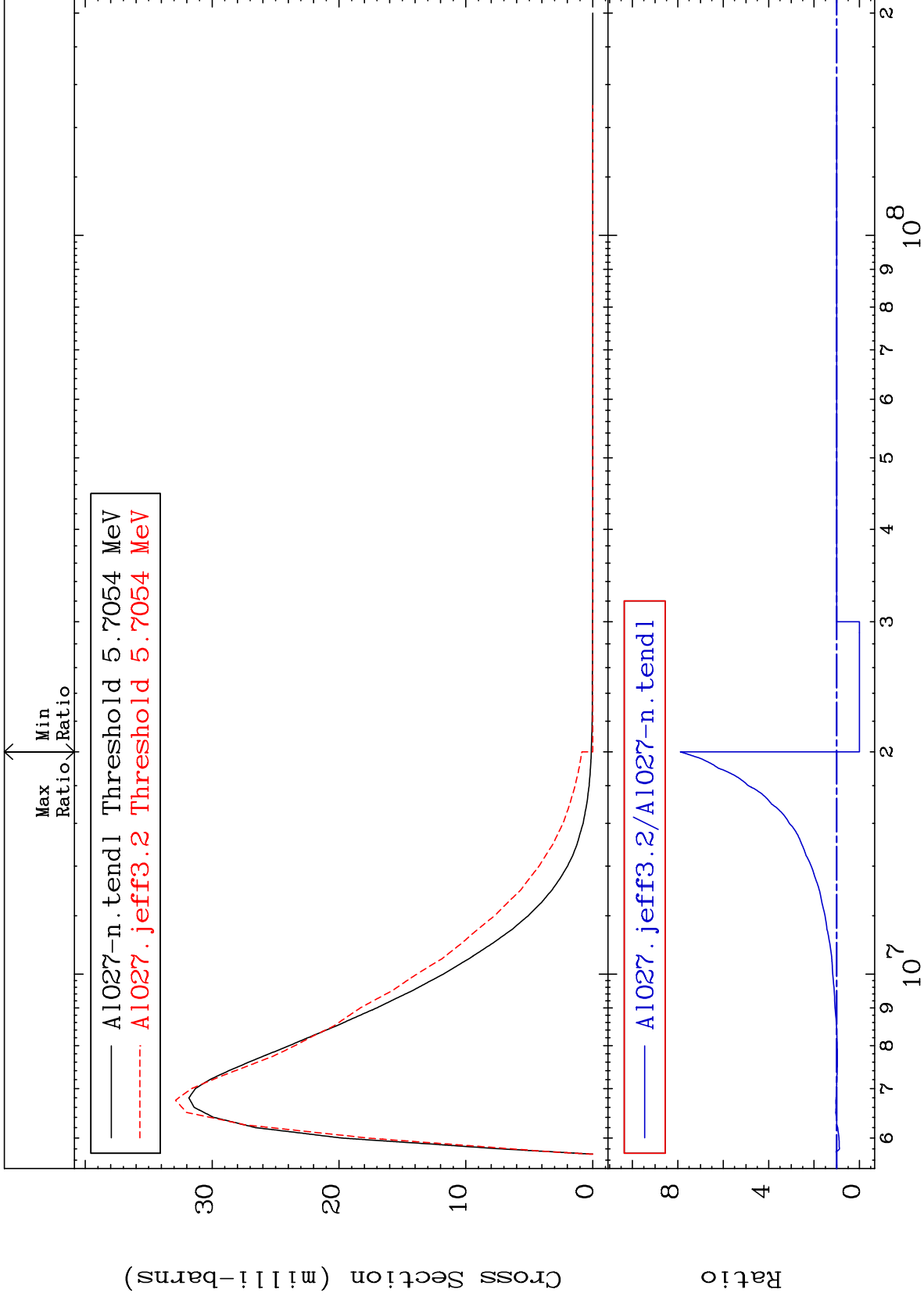
13-Al-27
-100.0 To 715.5 %



MAT 1325

5.500 MeV (n,n') Level
Cross Section

13-Al-27
-100.0 To 688.8 %



29

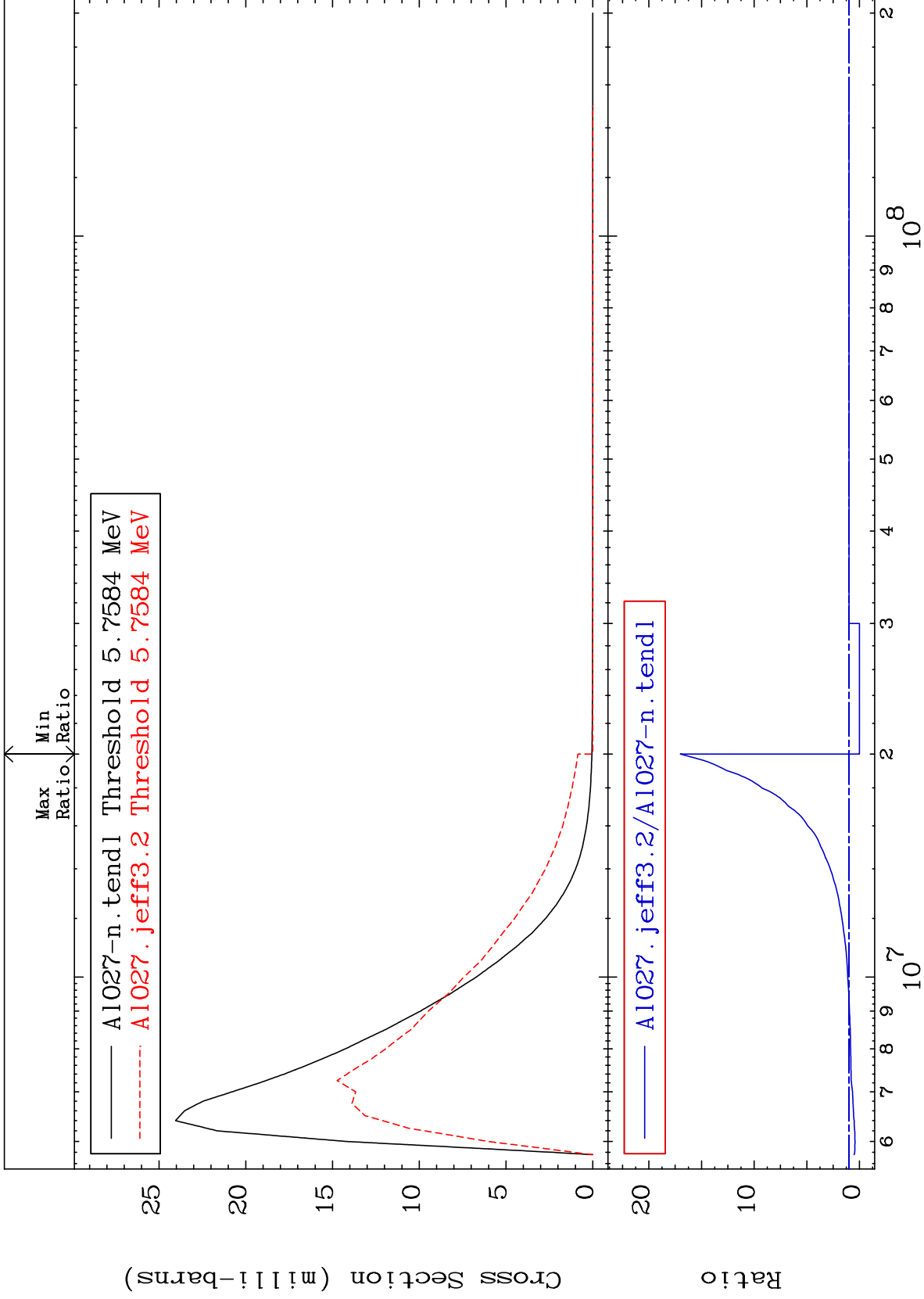
Incident Energy (eV)

13-Al-27

MAT 1325

5.551 MeV (n,n') Level
Cross Section

13-Al-27
-100.0 To 1601. %



30

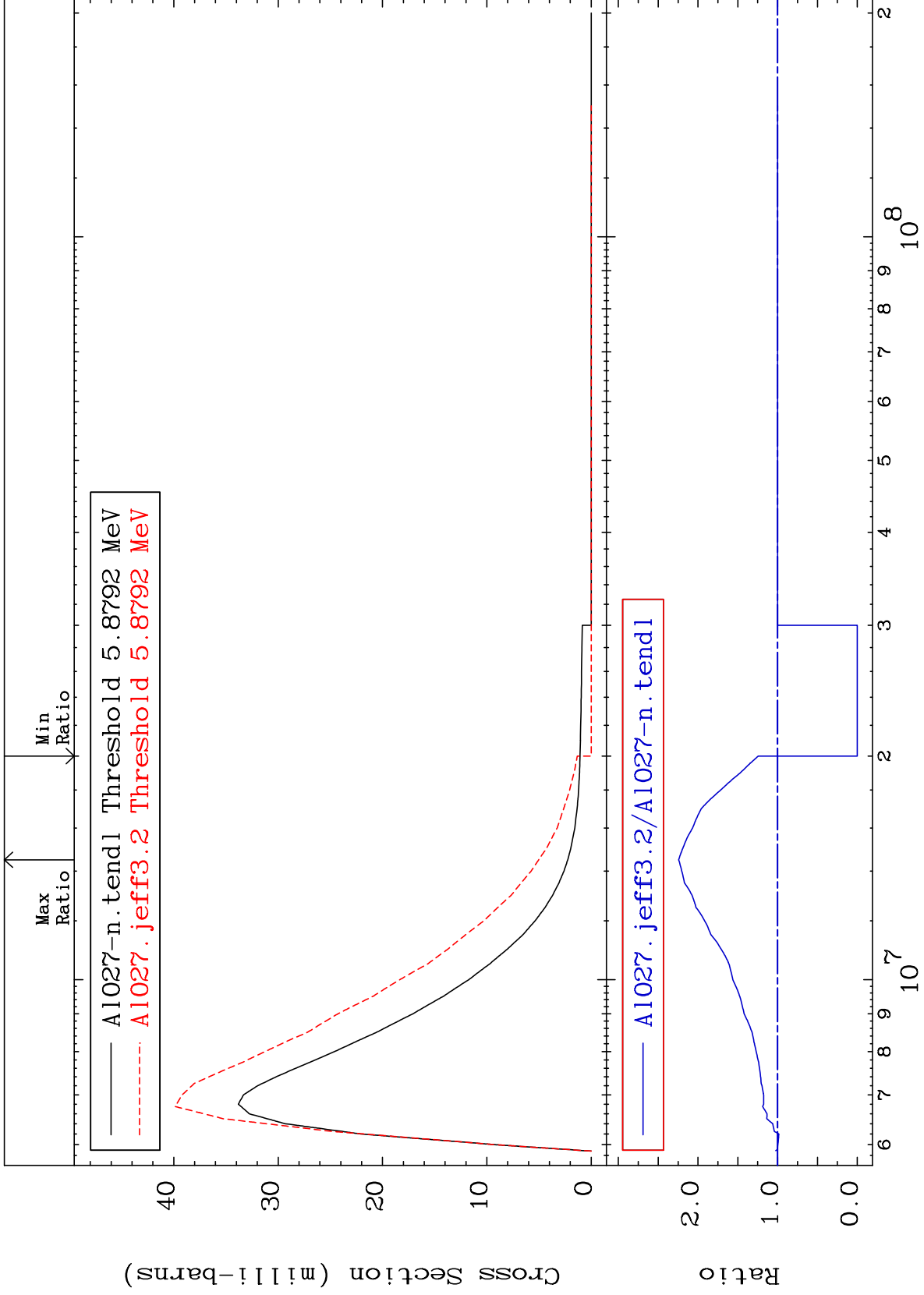
Incident Energy (eV)

13-Al-27

MAT 1325

5.667 MeV (n,n') Level
Cross Section

13-Al-27
-100.0 To 124.3 %



31

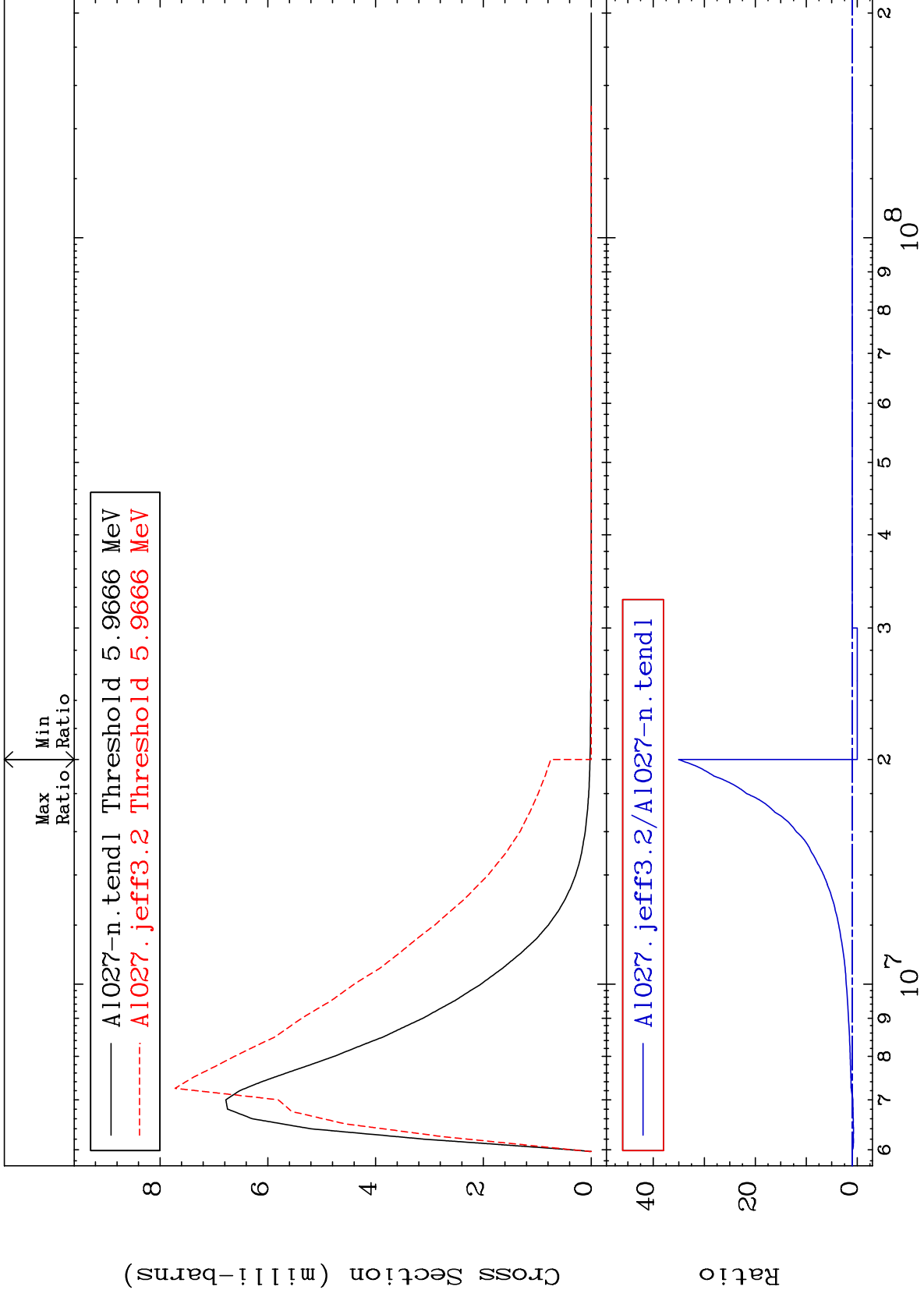
Incident Energy (eV)

13-Al-27

MAT 1325

5.752 MeV (n,n') Level
Cross Section

13-Al-27
-100.0 To 3403. %



32

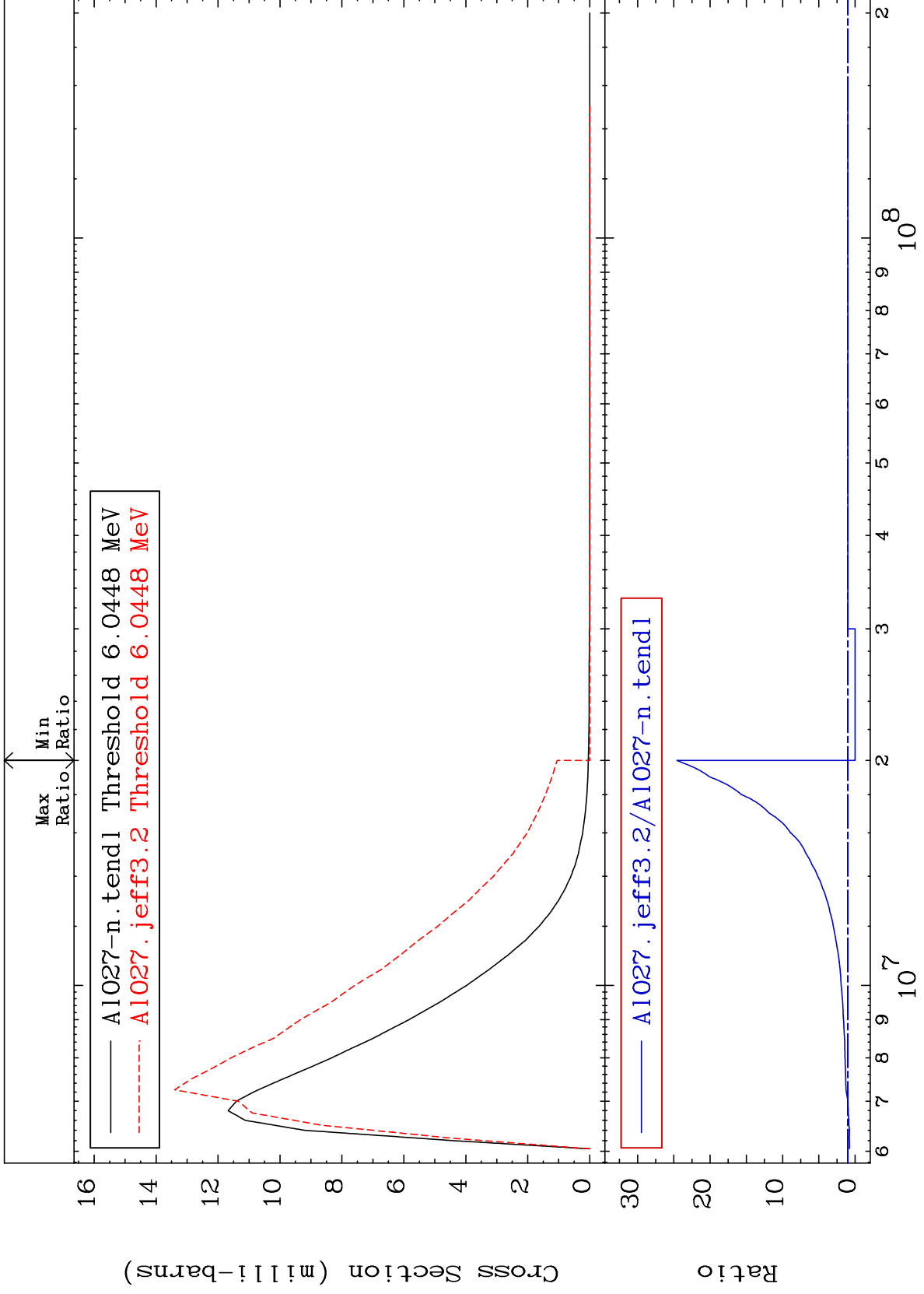
Incident Energy (eV)

13-Al-27

MAT 1325

5.827 MeV (n,n') Level
Cross Section

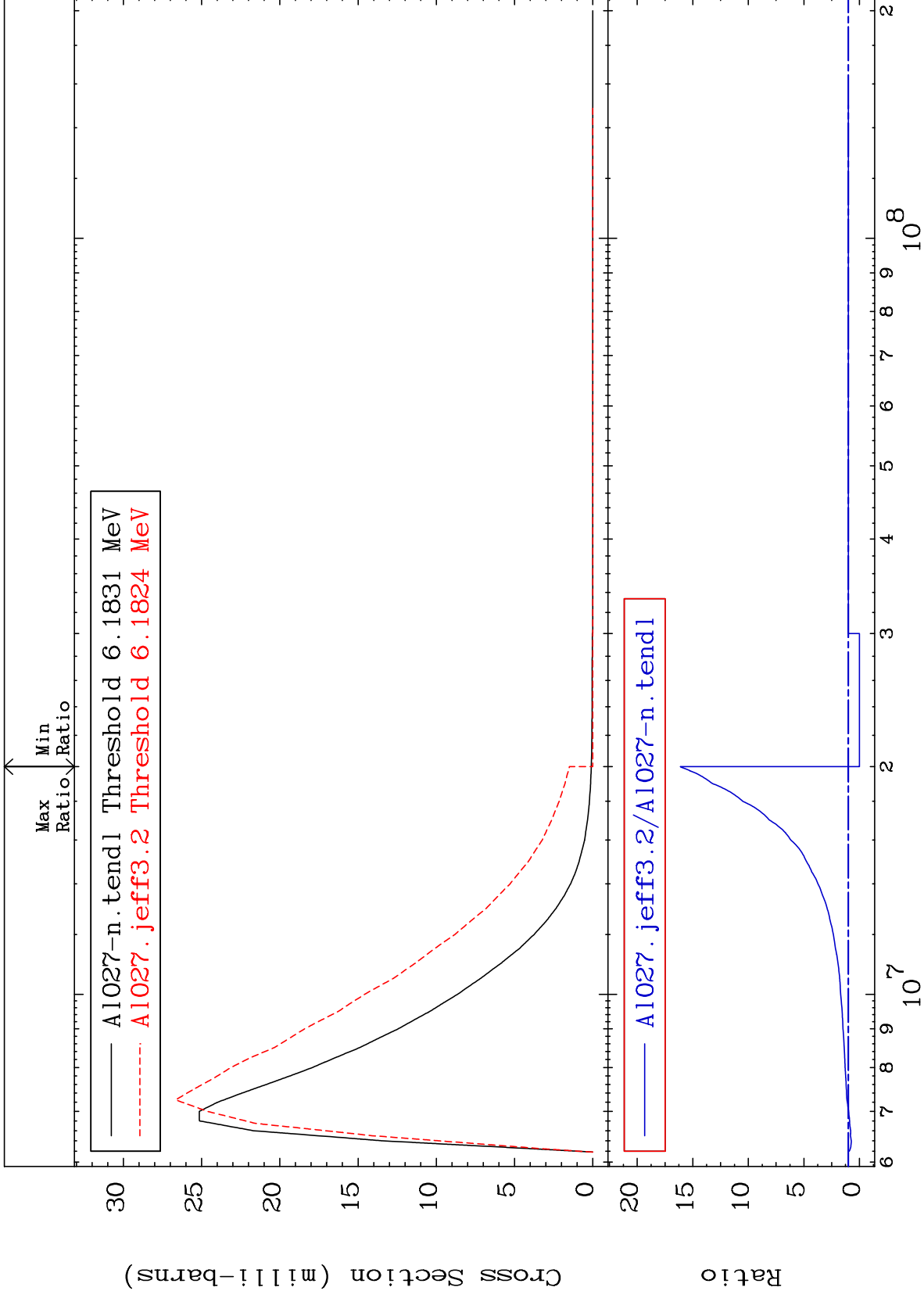
13-Al-27
-100.0 To 2357. %



MAT 1325

5.960 MeV (n,n') Level
Cross Section

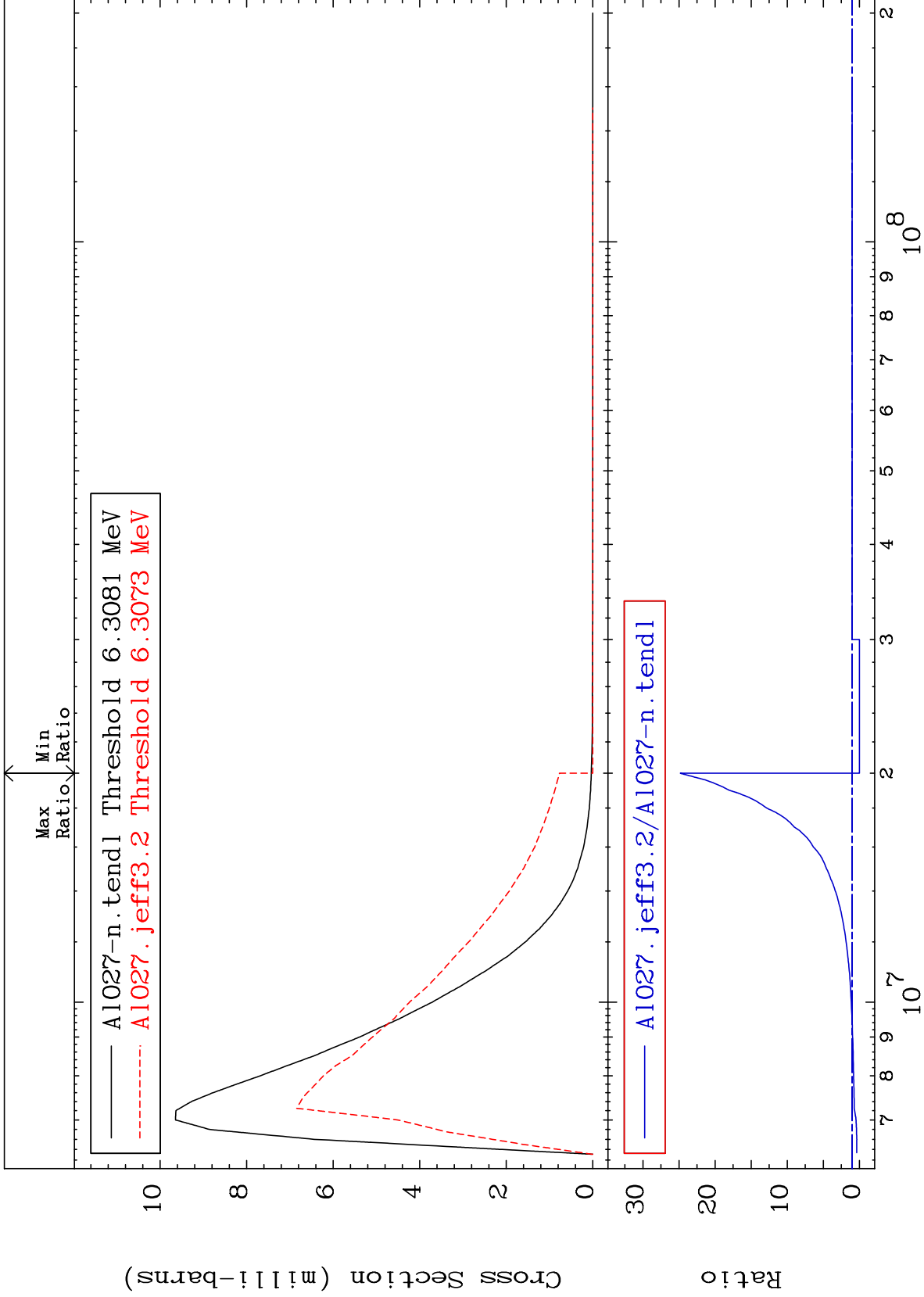
13-Al-27
-100.0 To 1512. %



MAT 1325

6.081 MeV (n,n') Level
Cross Section

13-Al-27
-100.0 To 2381. %



35

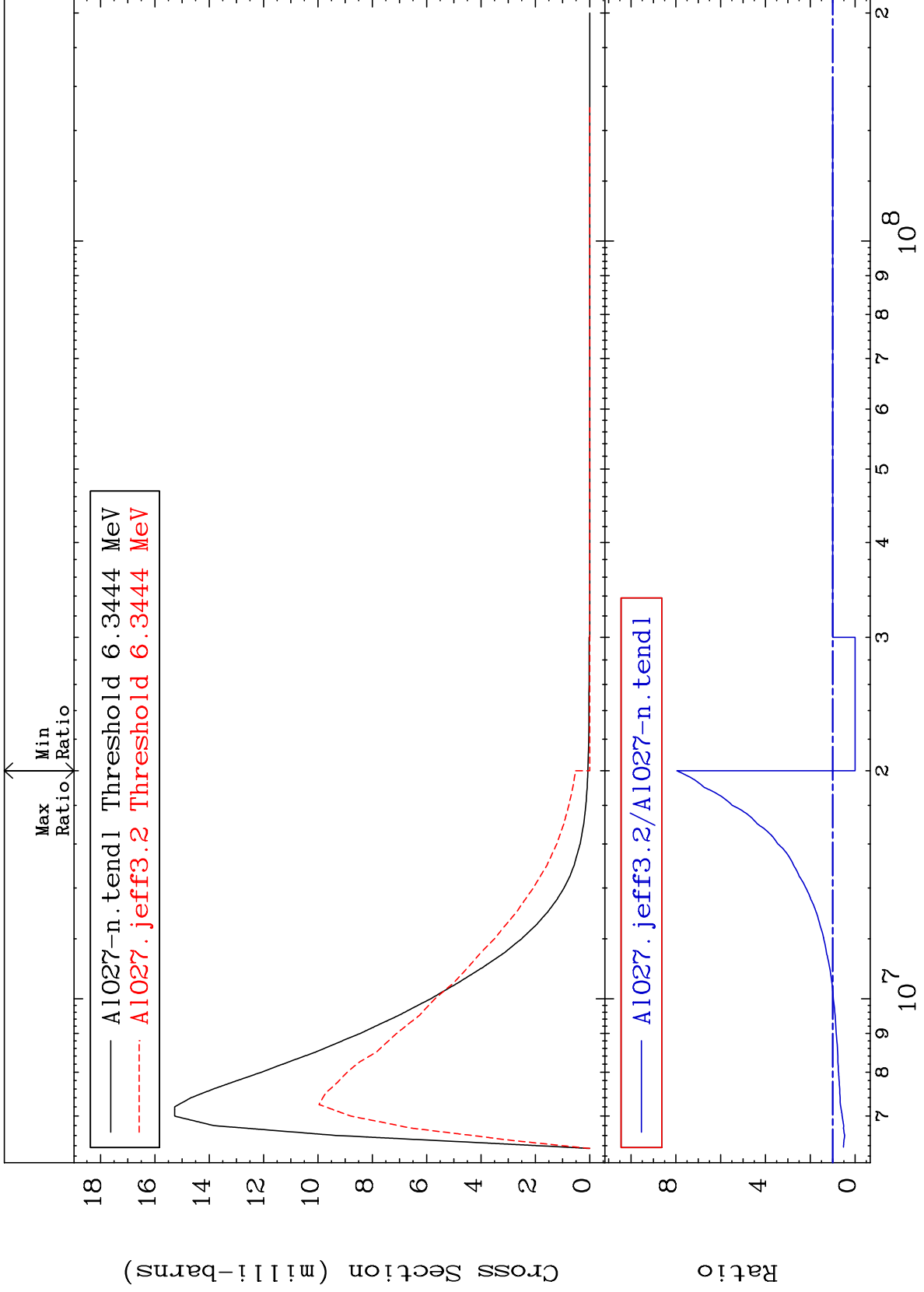
Incident Energy (eV)

13-Al-27

MAT 1325

6.116 MeV (n,n') Level
Cross Section

13-Al-27
-100.0 To 695.1 %



36

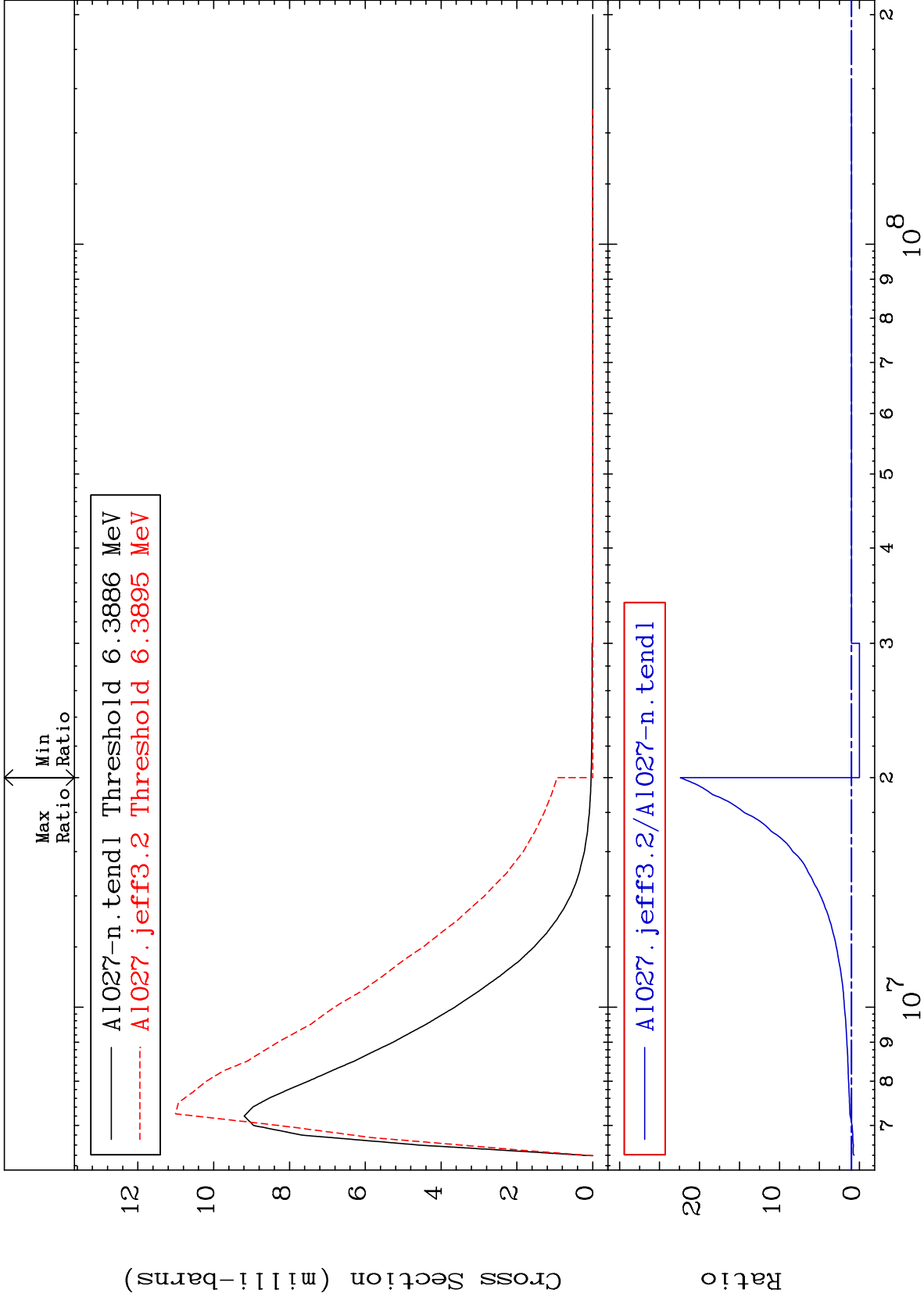
Incident Energy (eV)

13-Al-27

MAT 1325

6.158 MeV (n,n') Level
Cross Section

13-Al-27
-100.0 To 2140. %



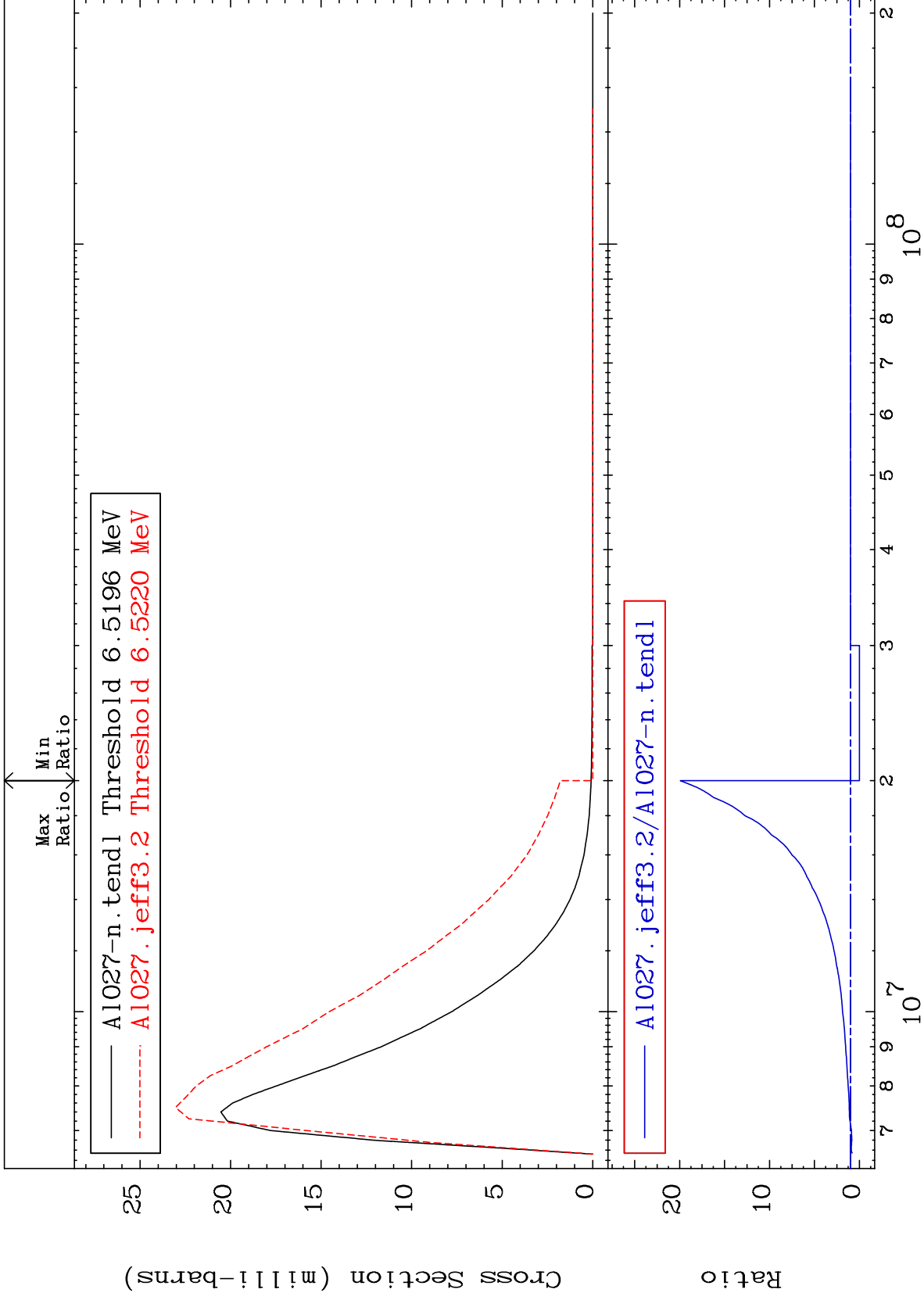
37

13-Al-27

MAT 1325

6.285 MeV (n,n') Level
Cross Section

13-Al-27
-100.0 To 1892. %



38

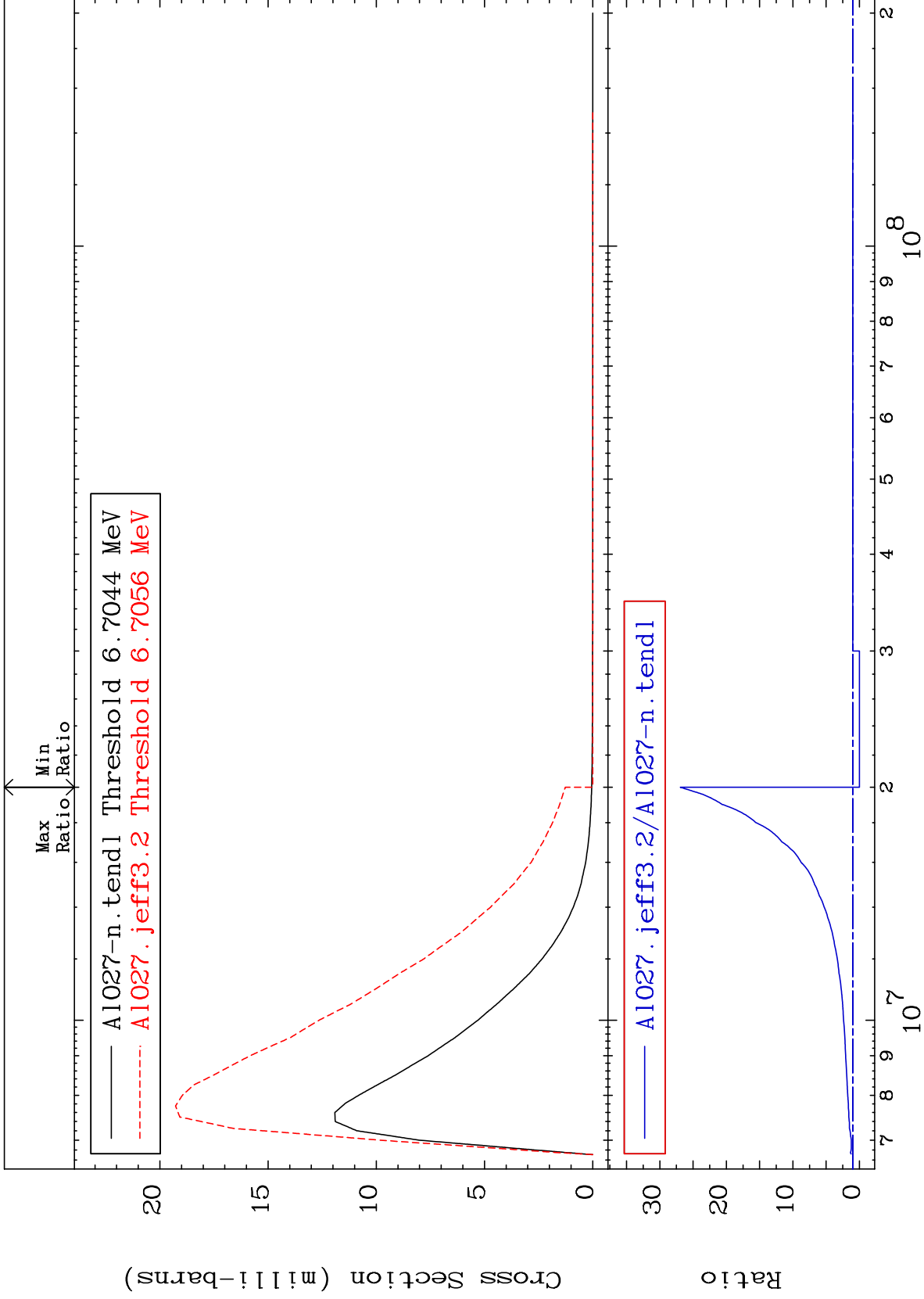
Incident Energy (eV)

13-Al-27

MAT 1325

6.463 MeV (n,n') Level
Cross Section

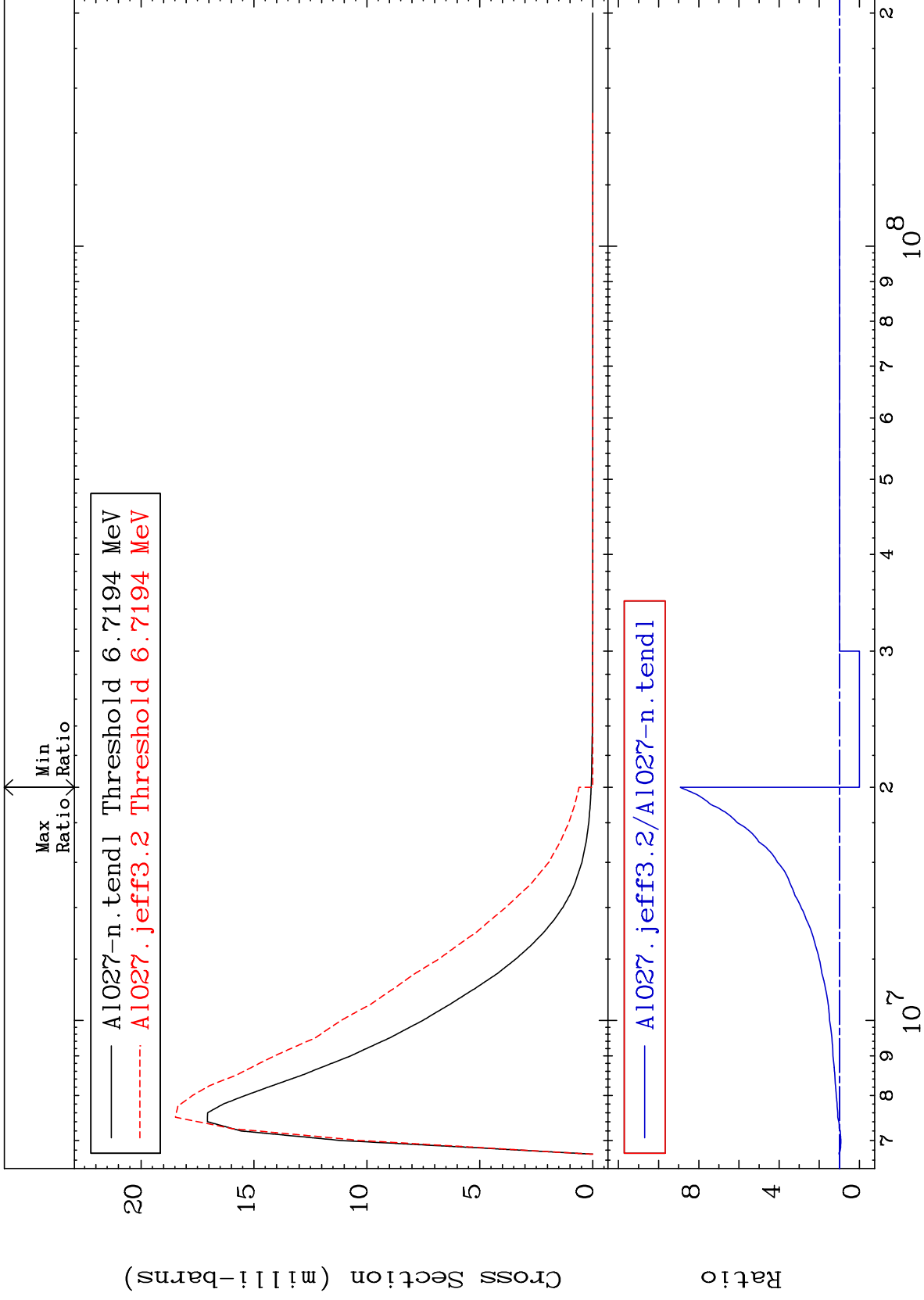
13-Al-27
-100.0 To 2591. %



MAT 1325

6.477 MeV (n,n') Level
Cross Section

13-Al-27
-100.0 To 791.8 %



40

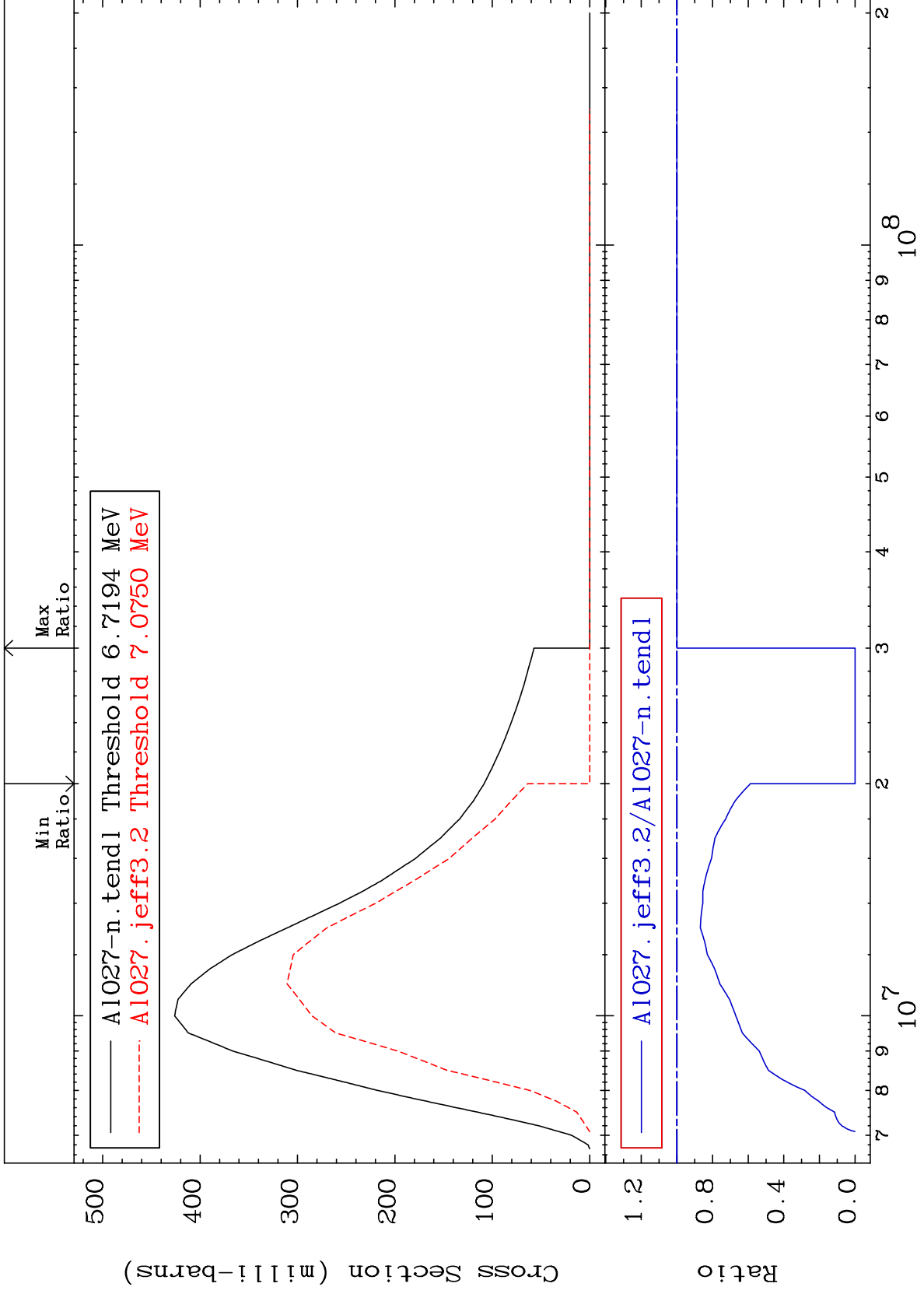
Incident Energy (eV)

13-Al-27

MAT 1325

(n, n') Continuum
Cross Section

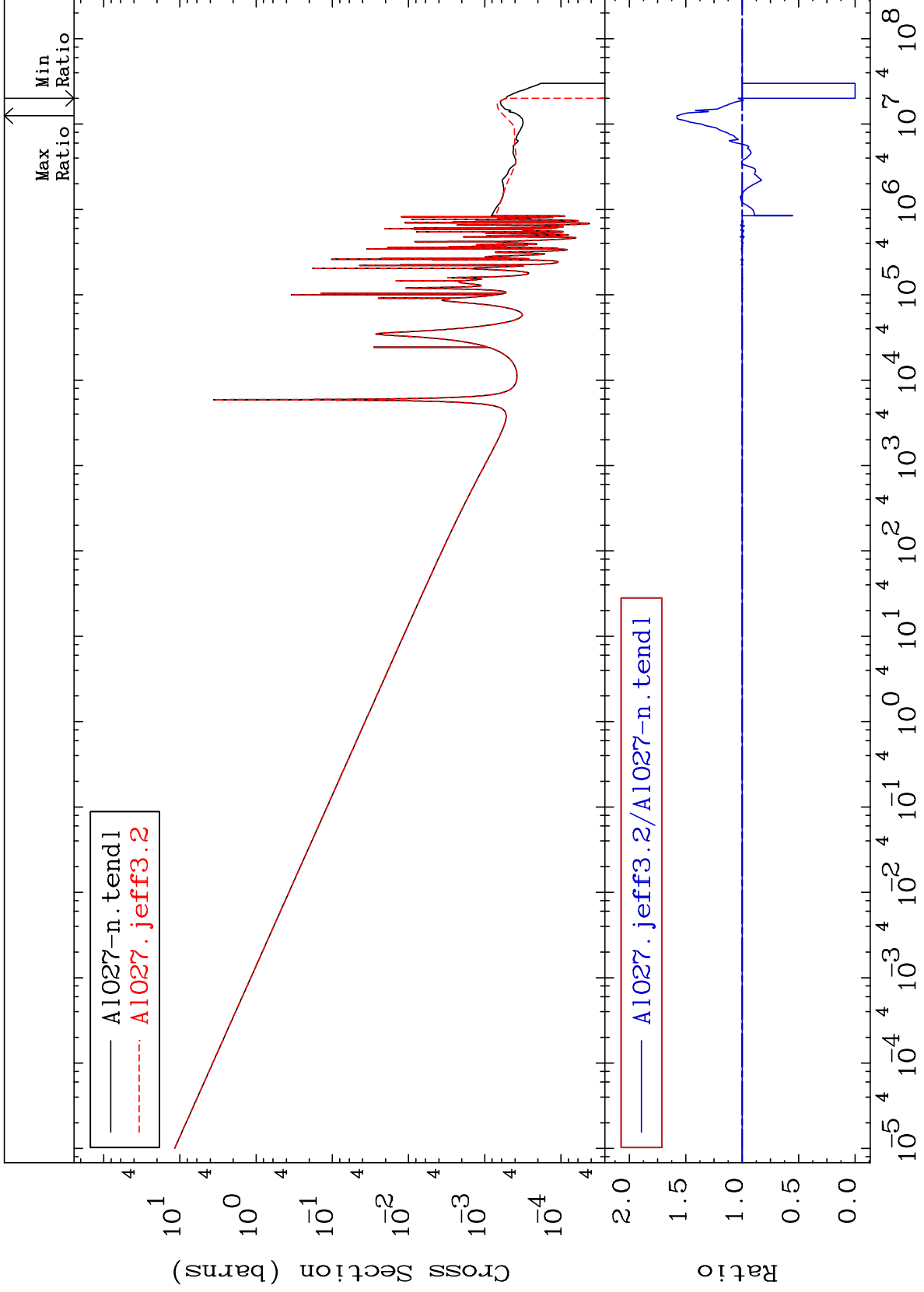
13-Al-27
-100.0 To 0.000 %



MAT 1325

(n, γ)
Cross Section

13-Al-27
-100.0 To 57.80 %



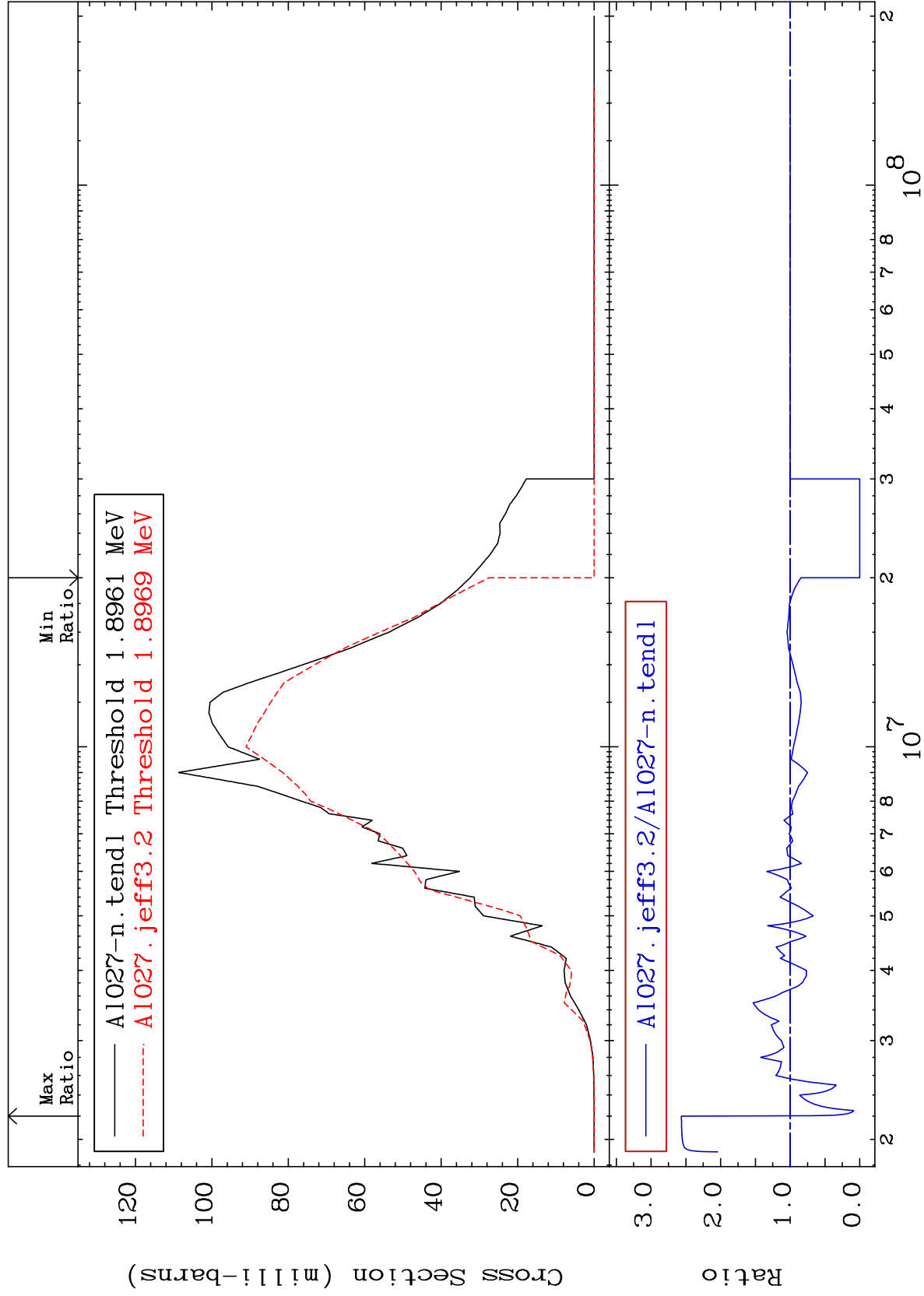
MAT 1325

(n,p)

13-Al-27

Cross Section

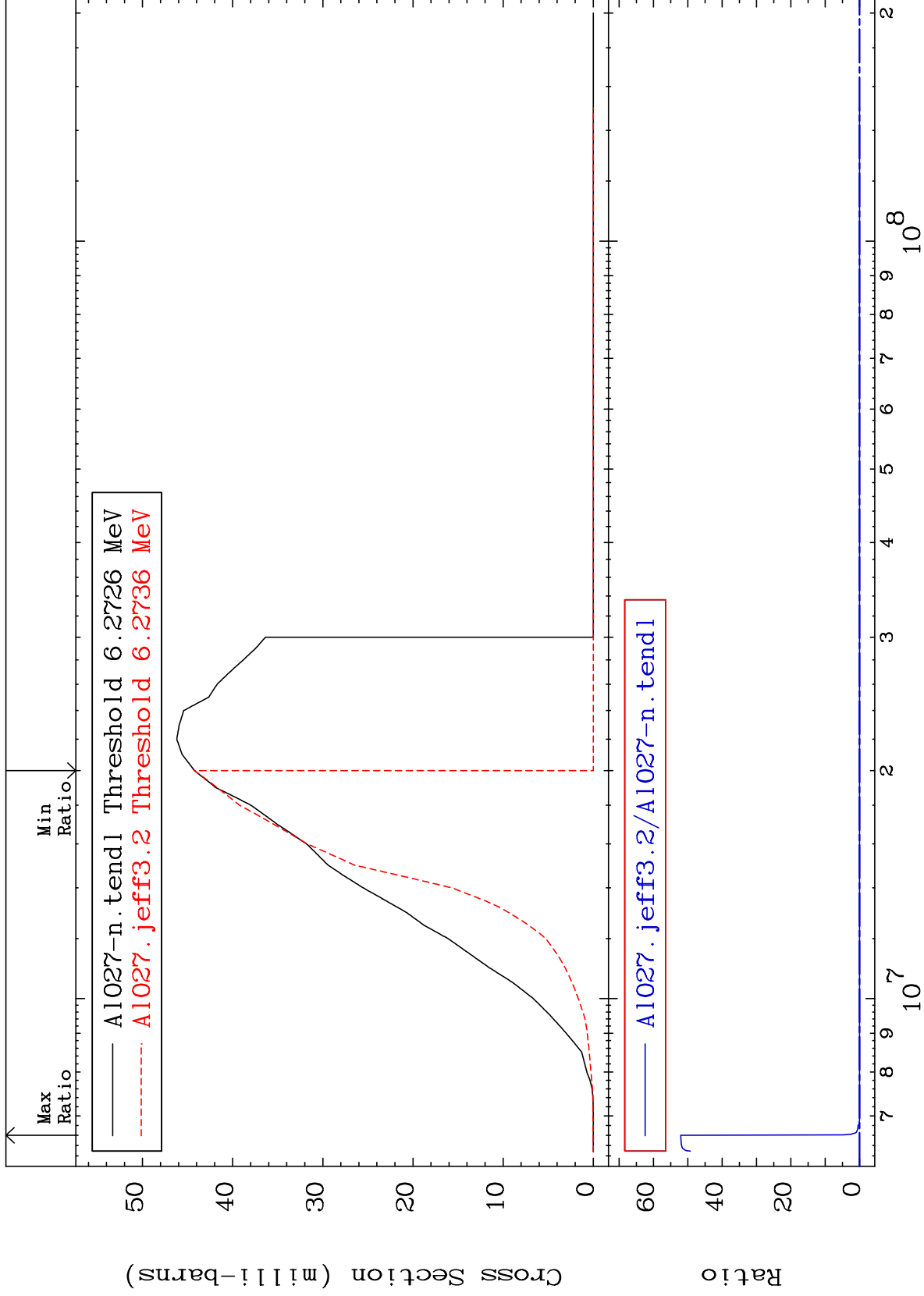
-100.0 To 156.4 %



MAT 1325

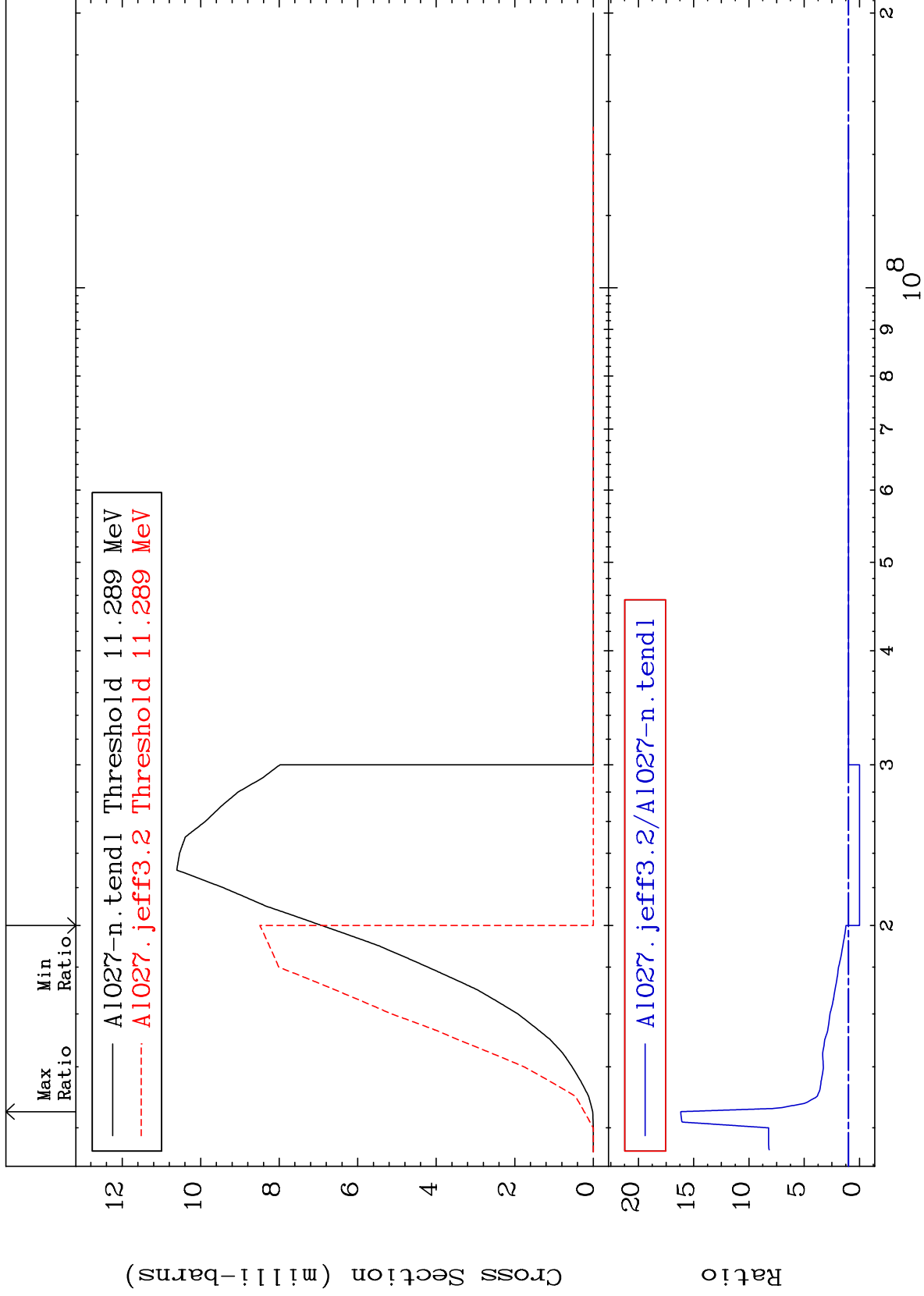
(n, d)
Cross Section

13-Al-27
-100.0 To 9999. %



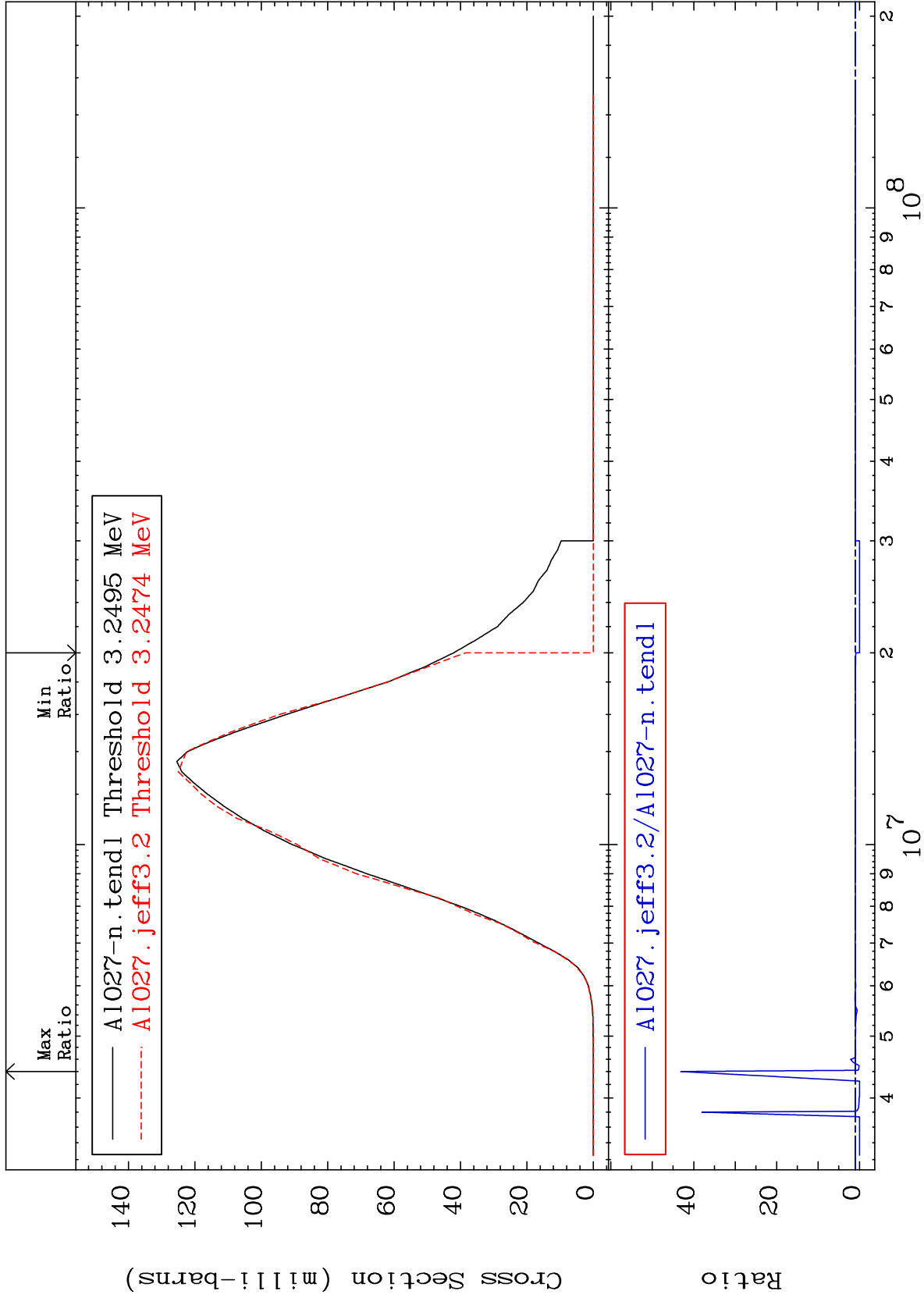
— A1027-n.tendl Threshold 6.2726 MeV
- - - A1027.jeff3.2 Threshold 6.2736 MeV

— A1027.jeff3.2/A1027-n.tendl



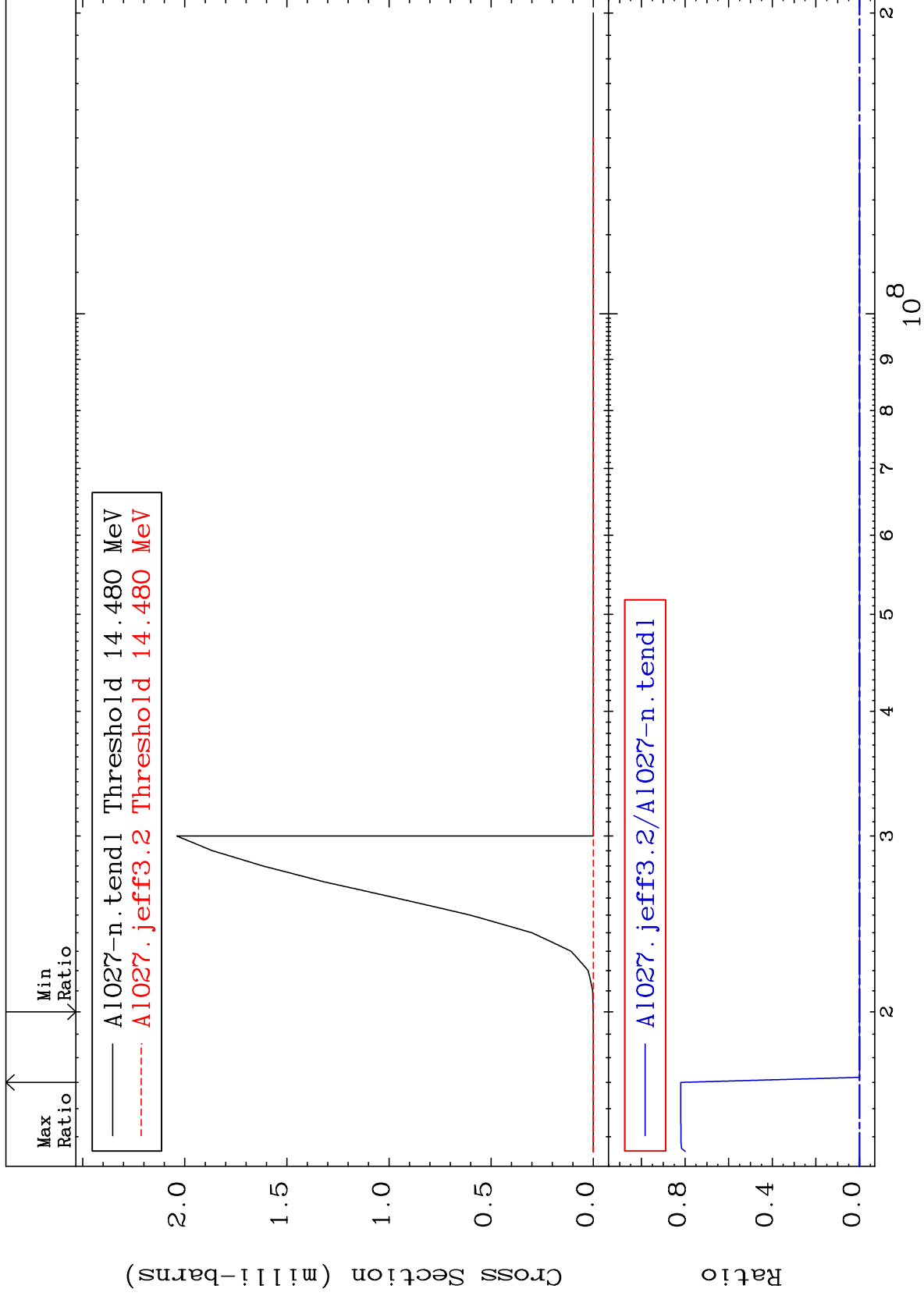
Cross Section

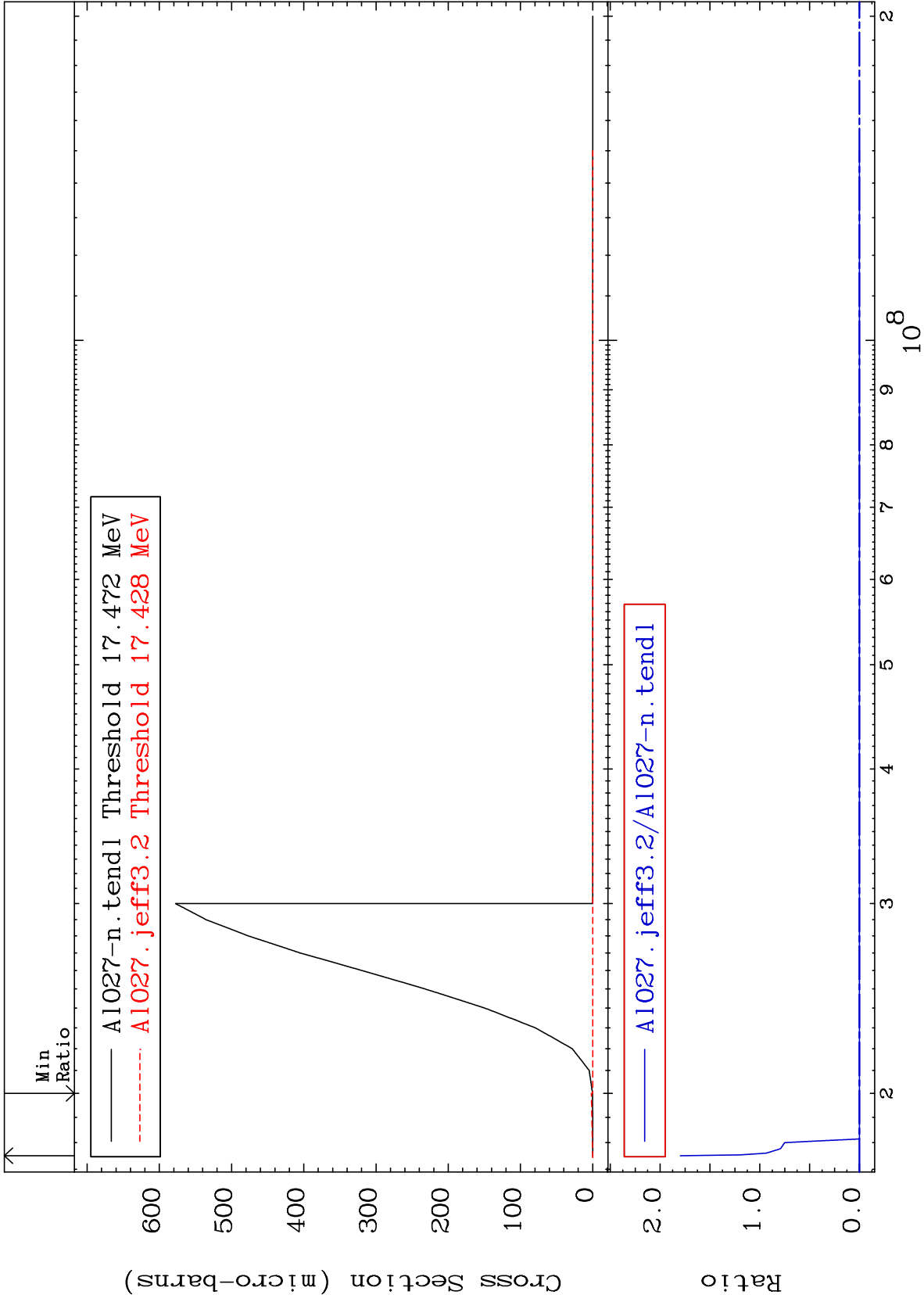
-100.0 To 4213. %

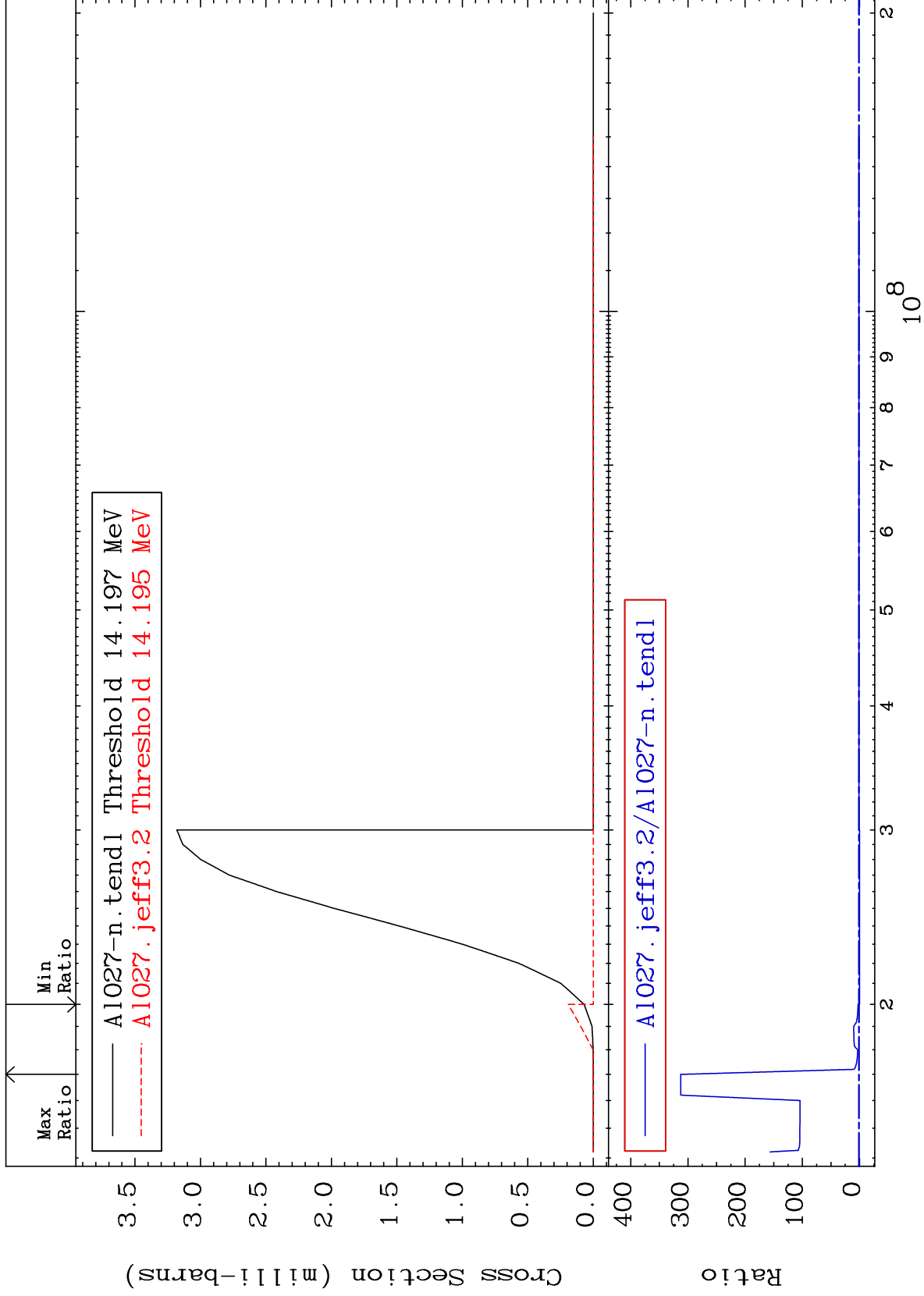


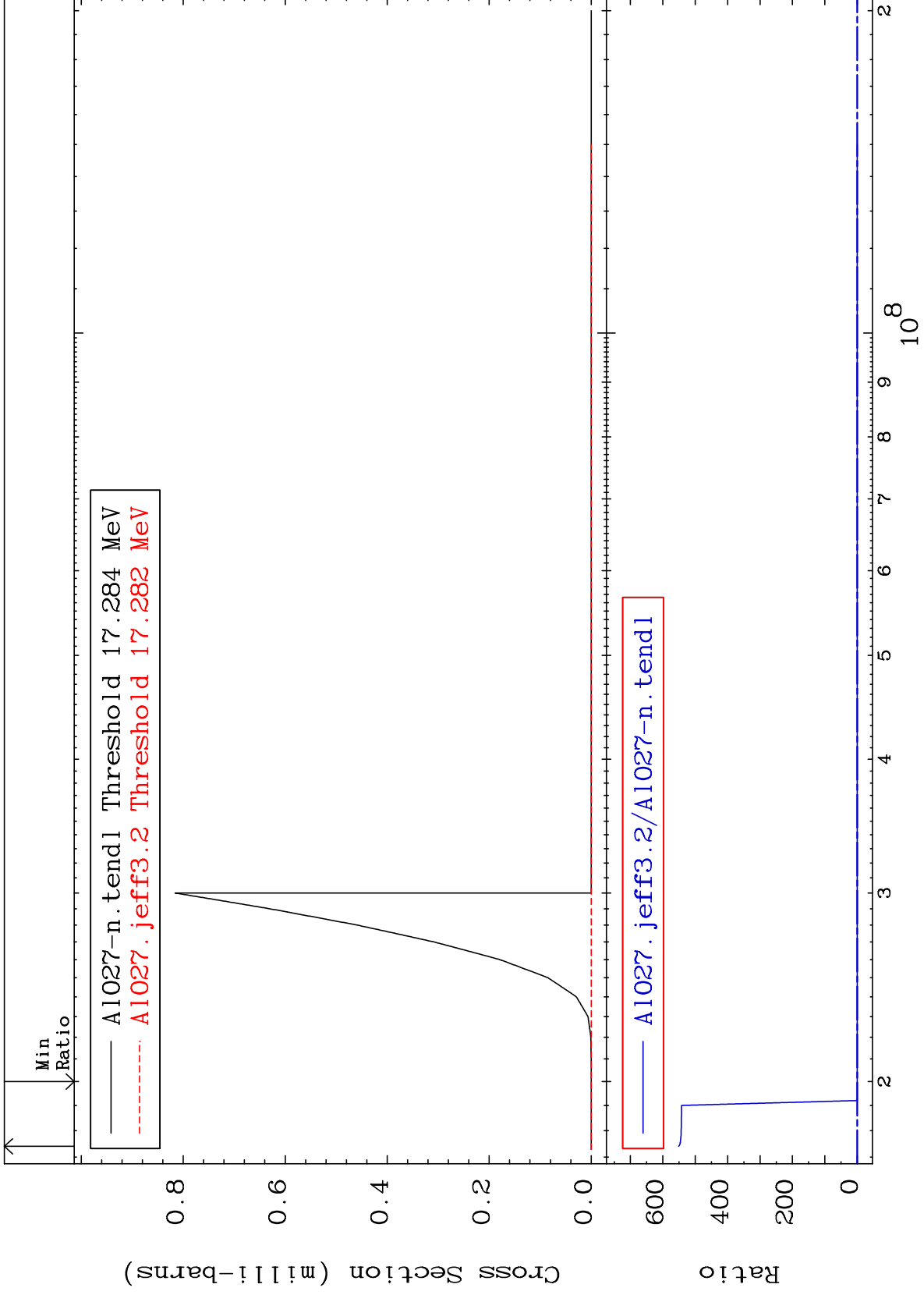
Cross Section

-100.0 To 9999. %





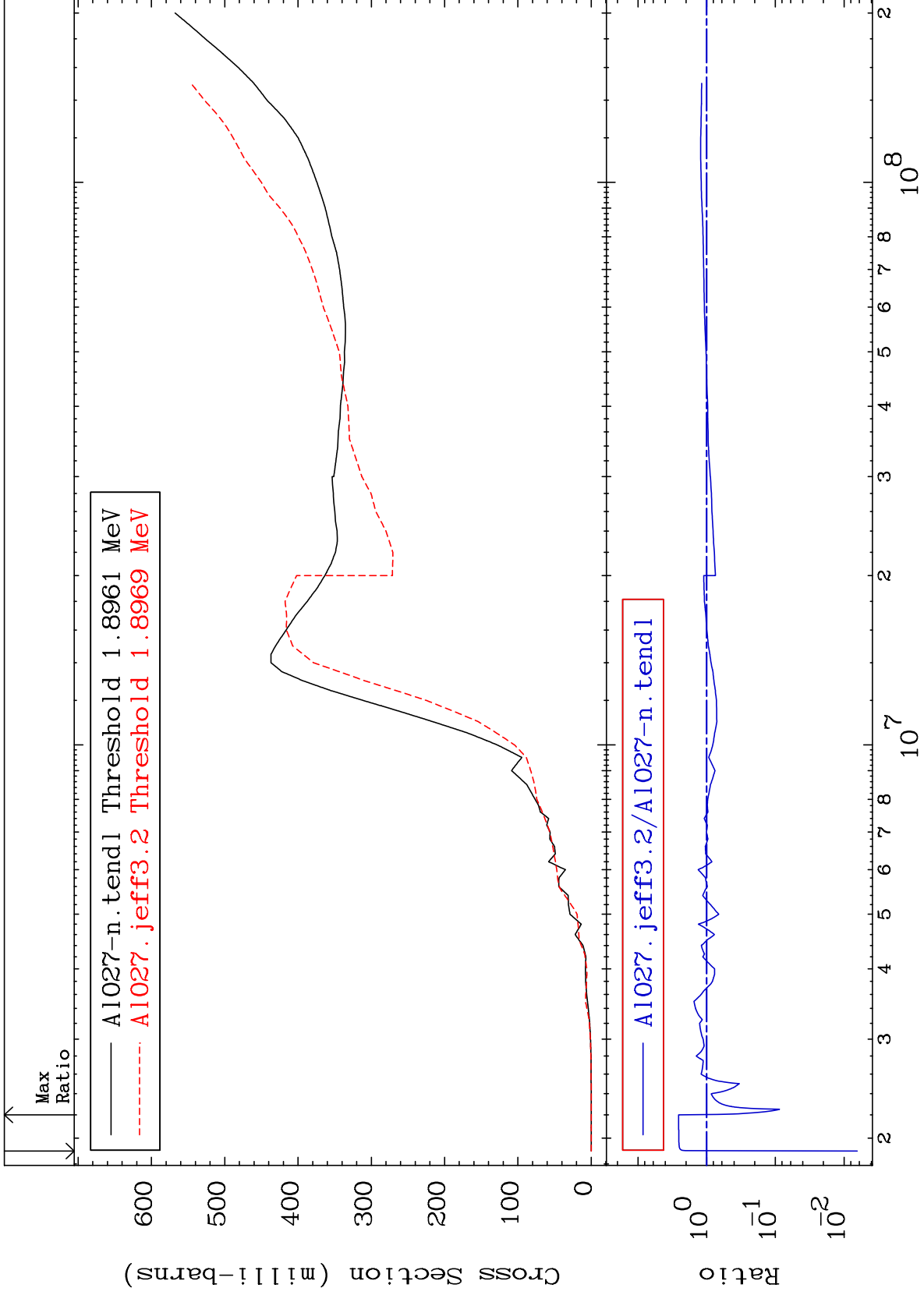


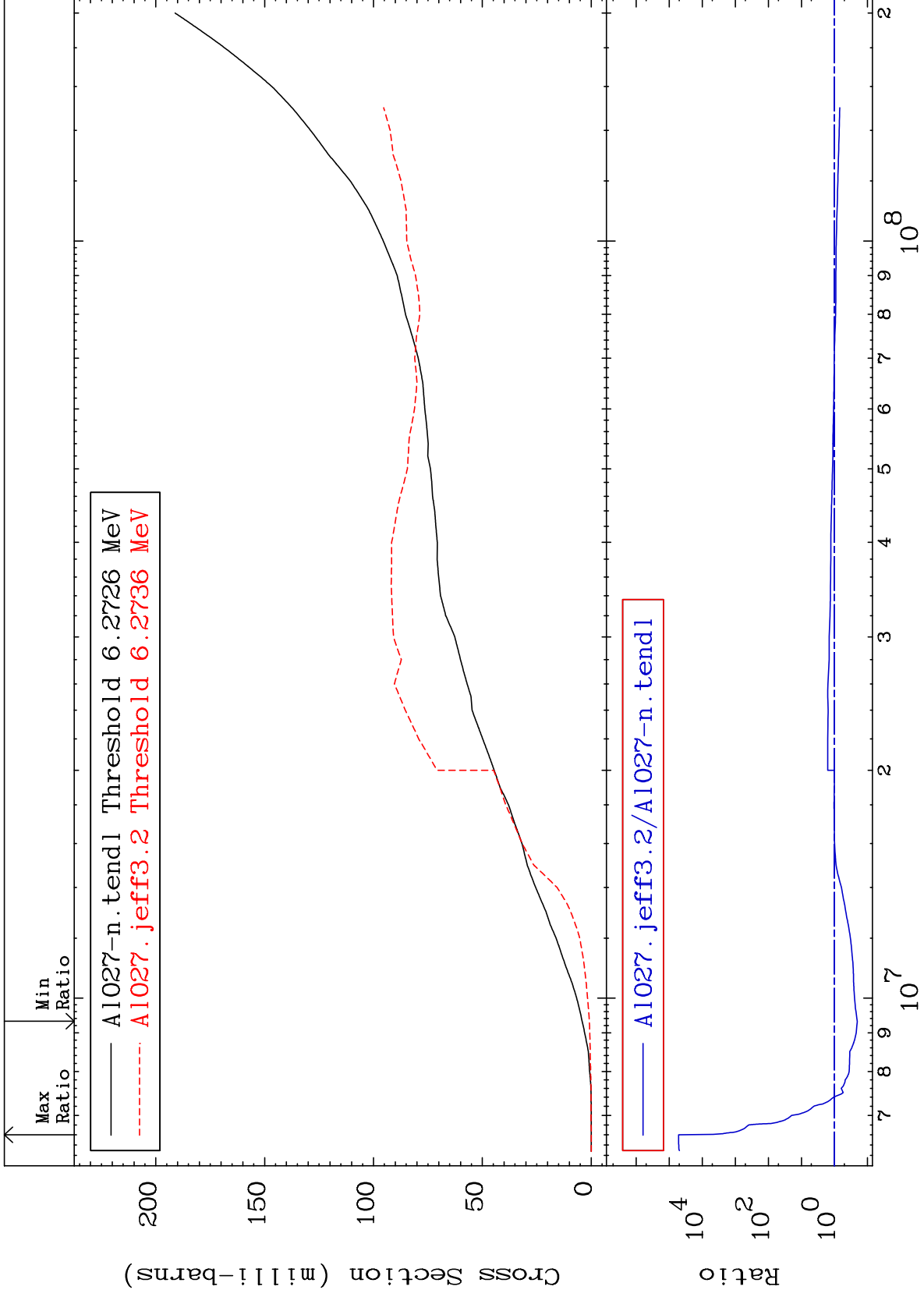


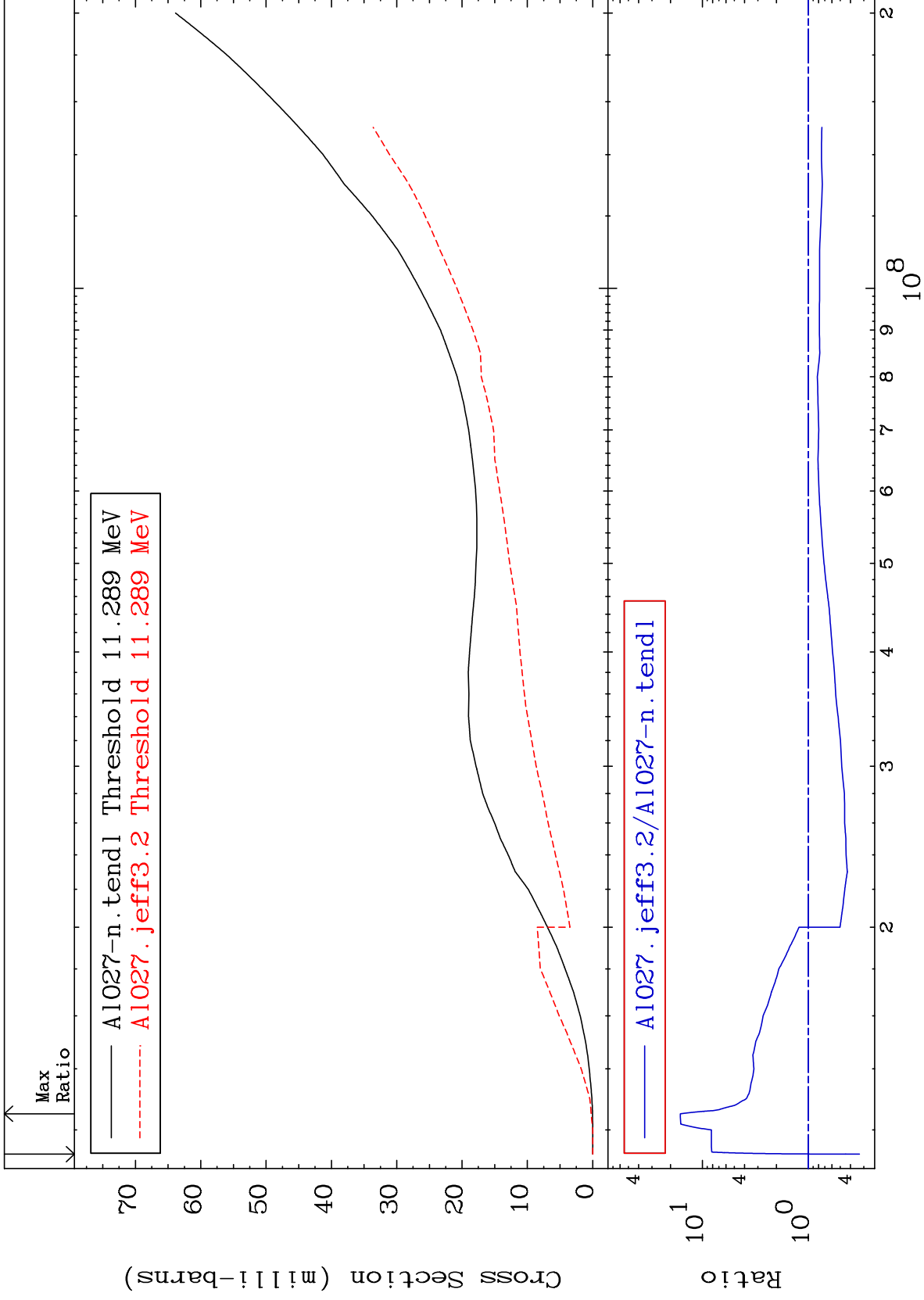
MAT 1325

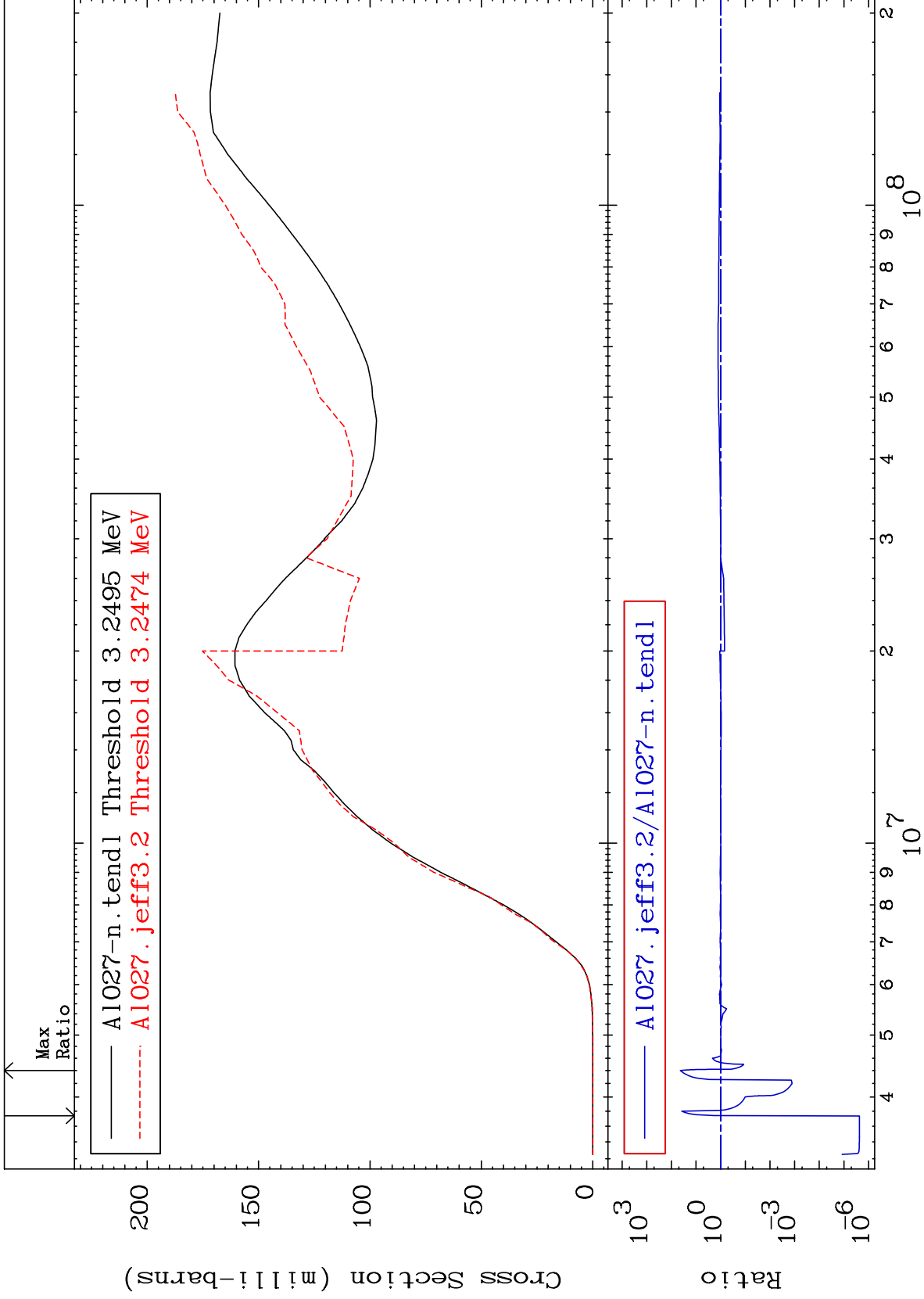
Hydrogen Production
Cross Section

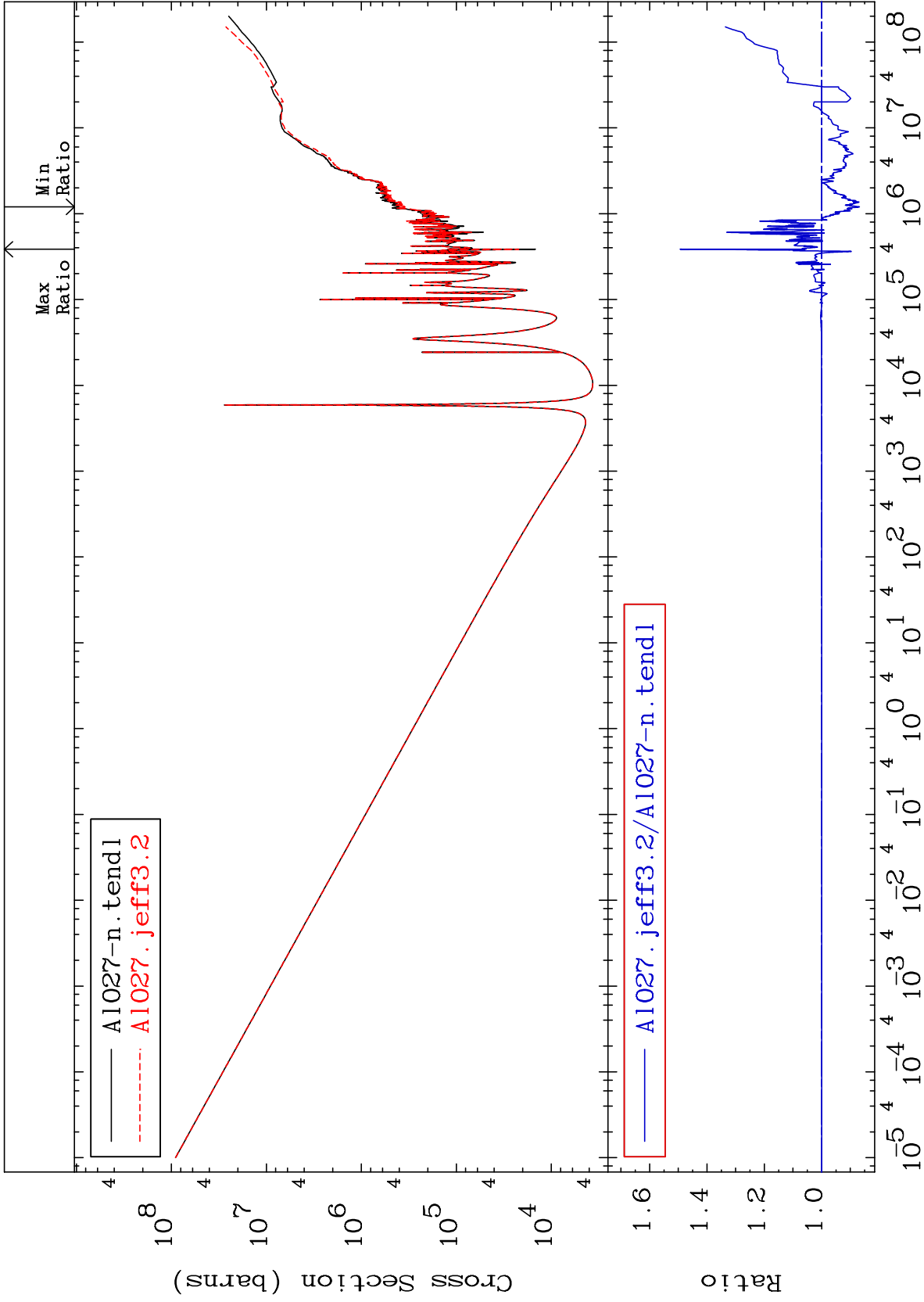
13-Al-27
-99.36 To 156.4 %







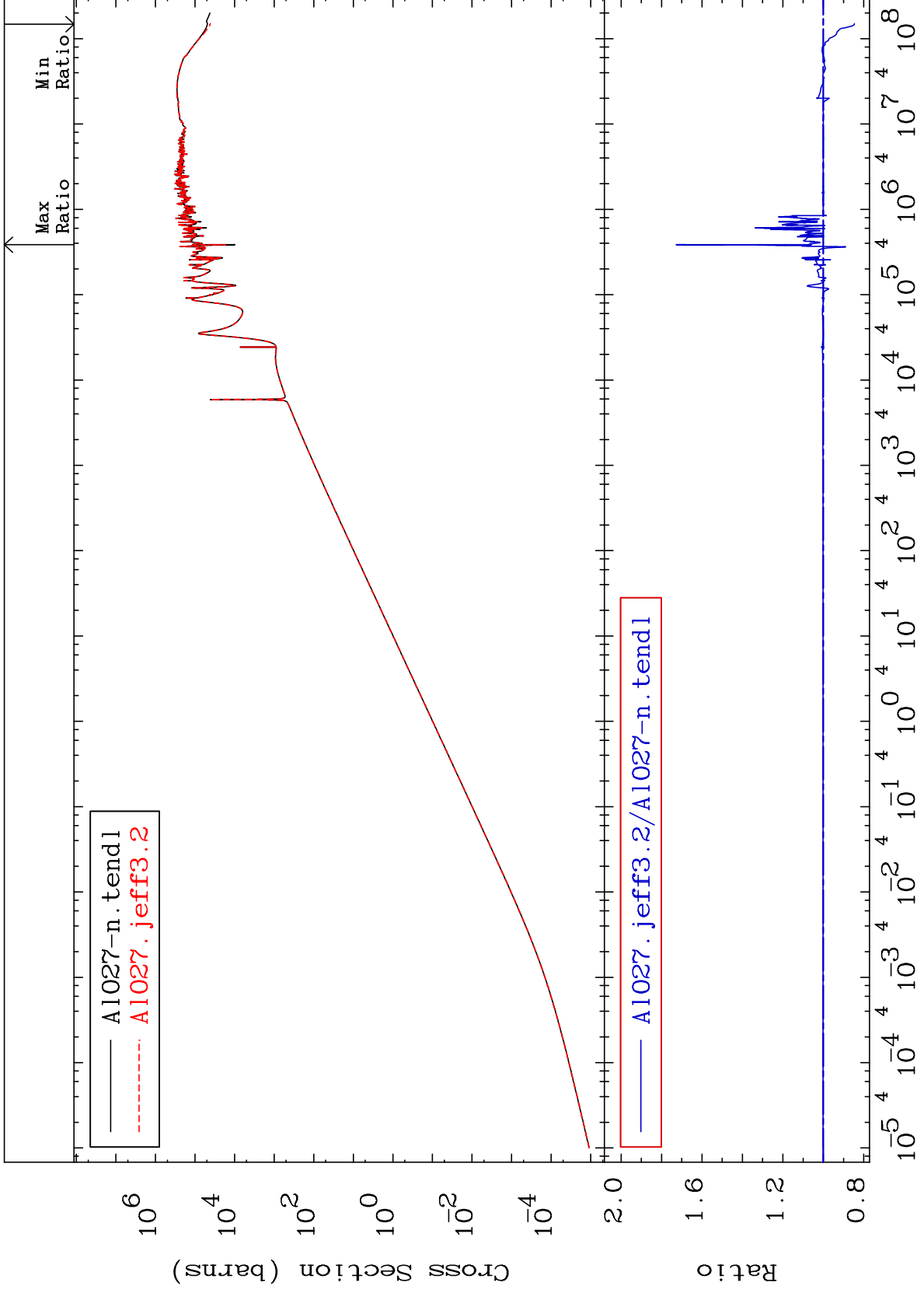


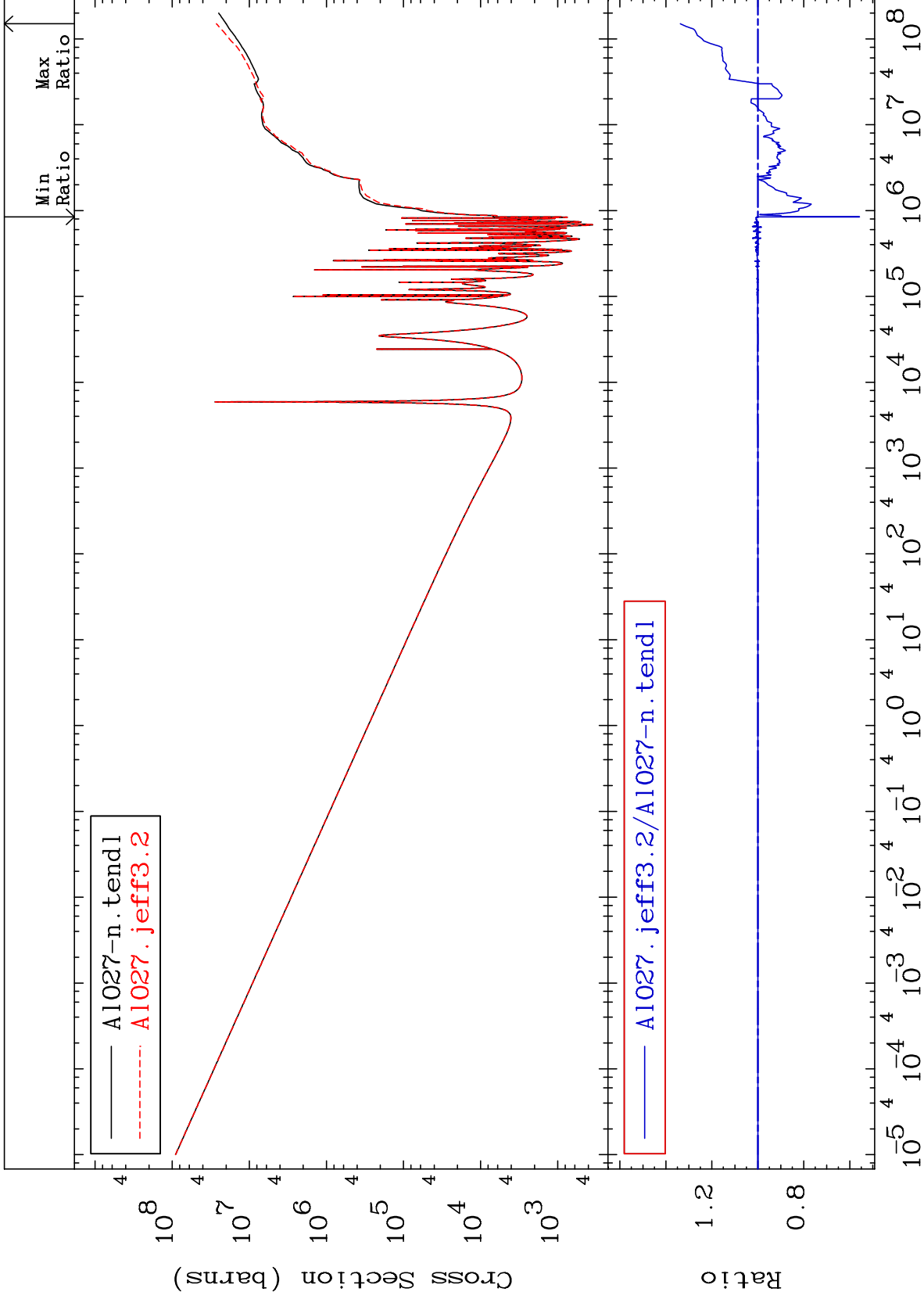


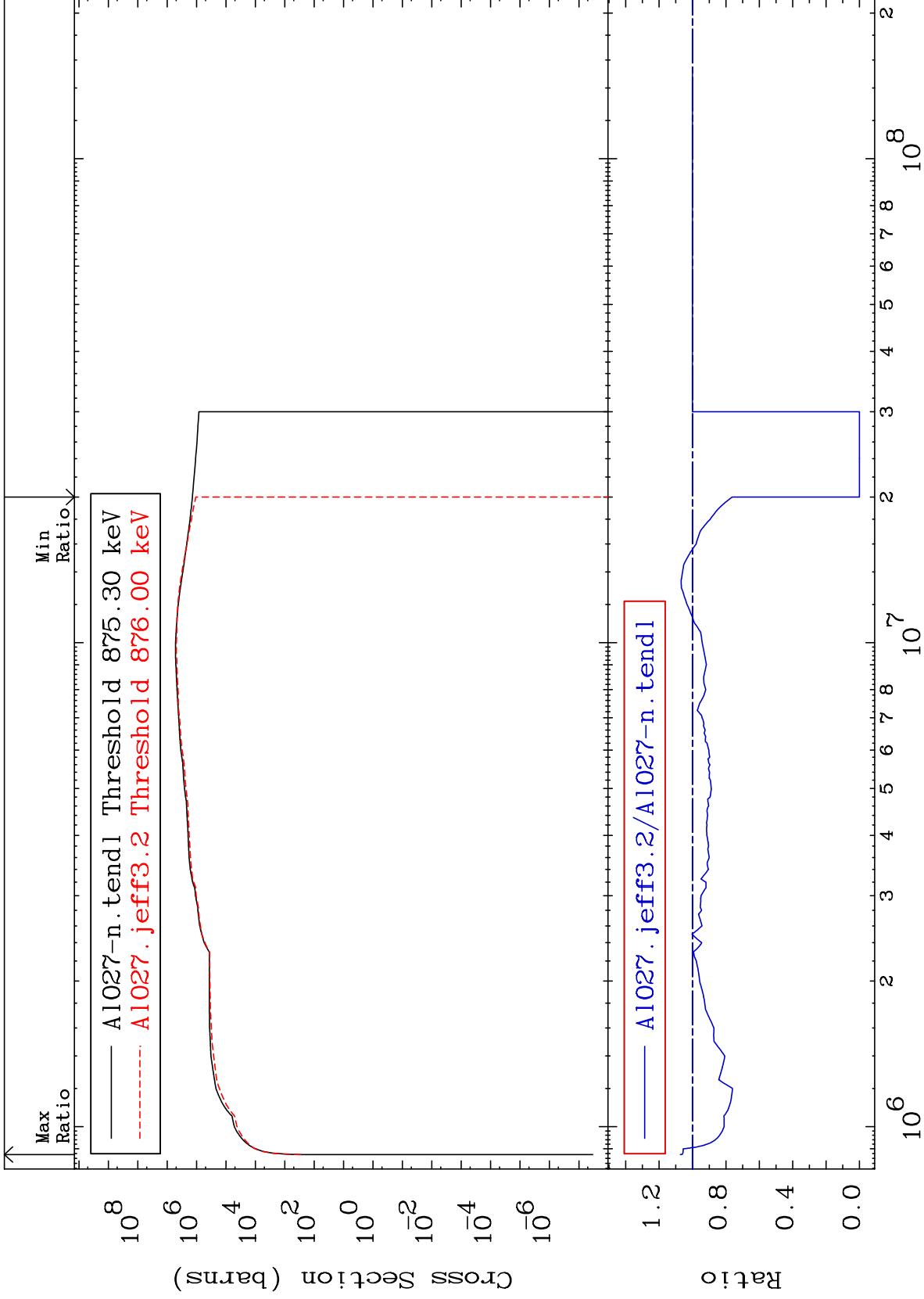
MAT 1325

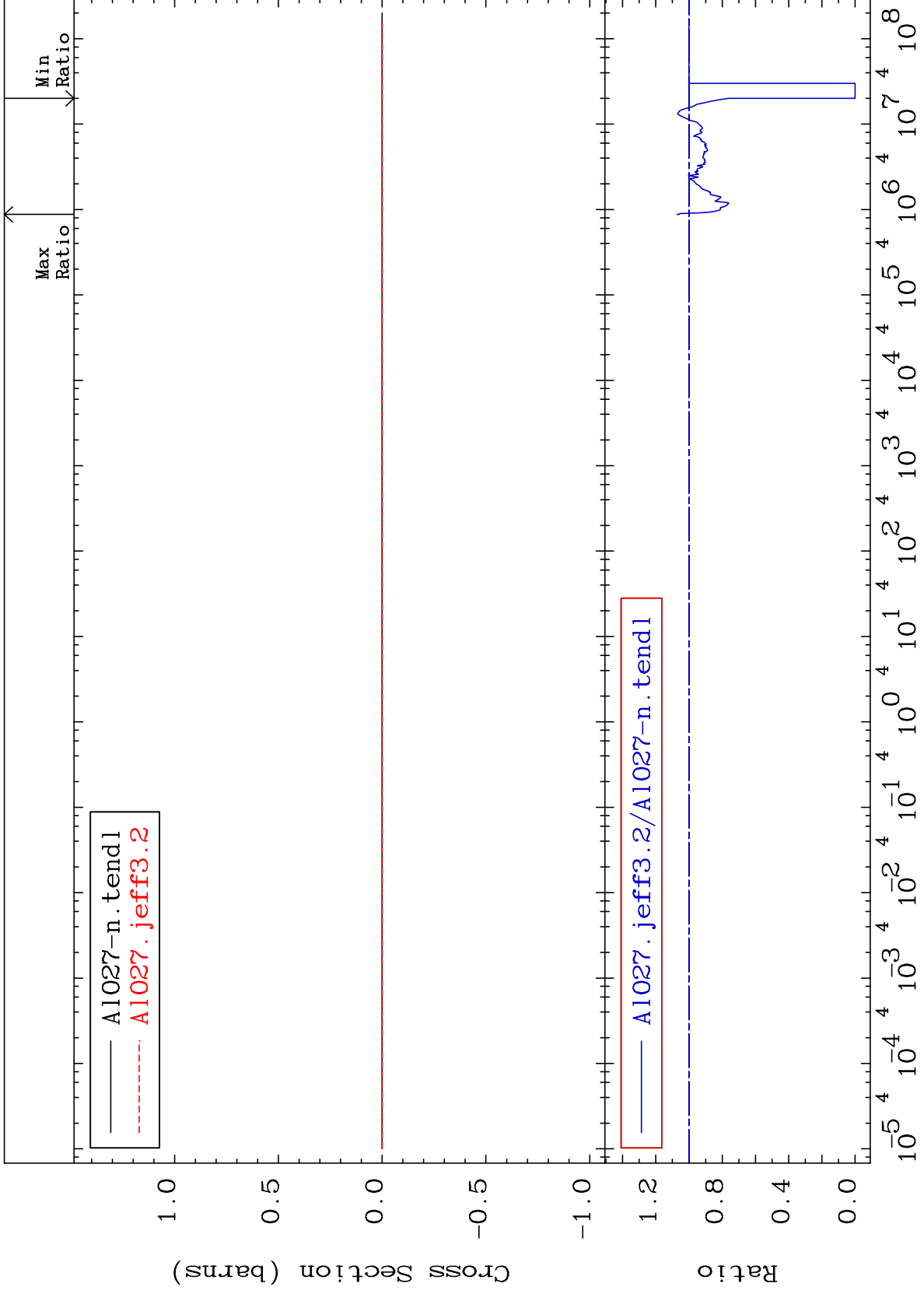
Kerma elastic
Cross Section

13-Al-27
-15.38 To 72.67 %





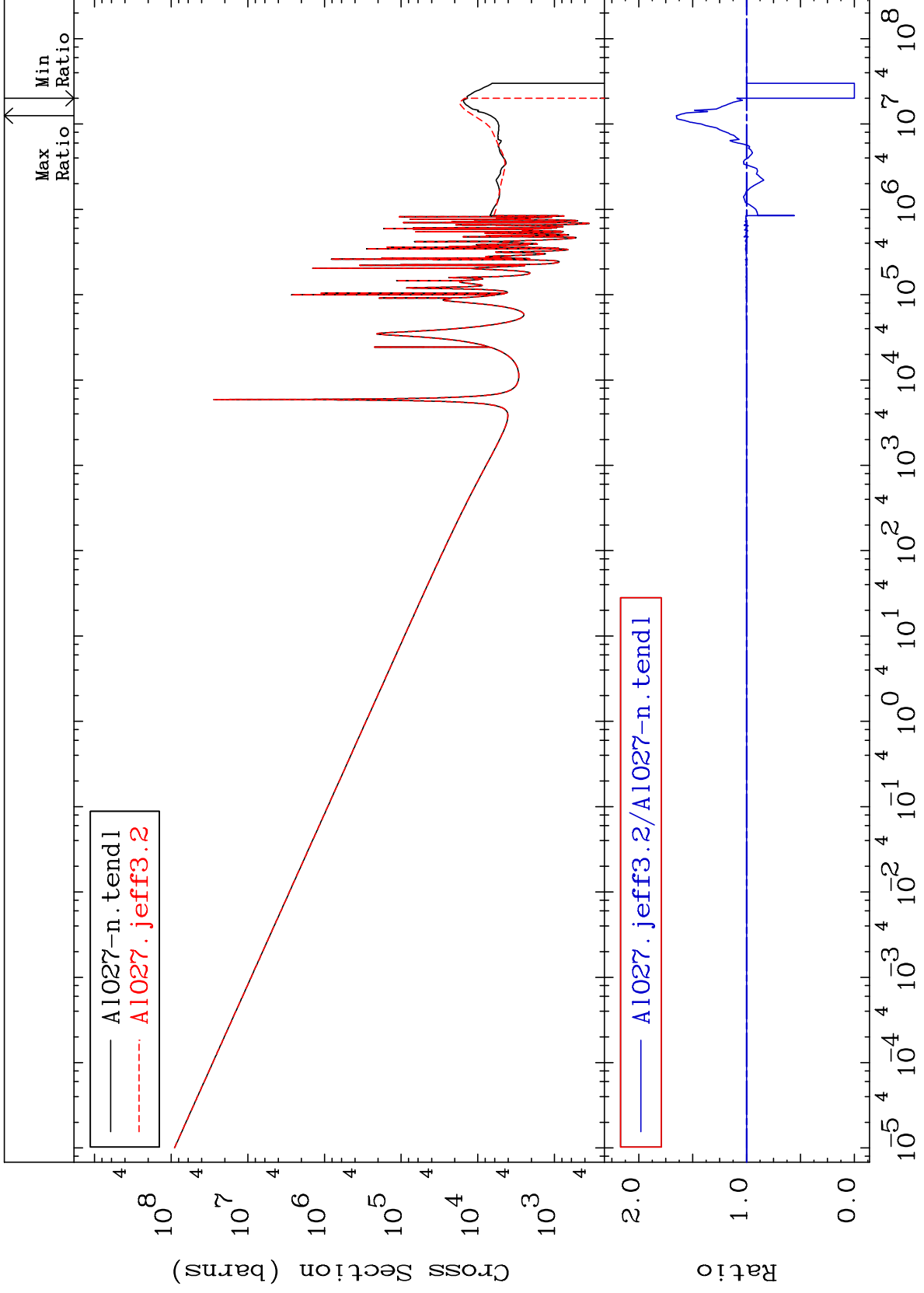




MAT 1325

Kerma capture (mt102)
Cross Section

13-Al-27
-100.0 To 65.15 %

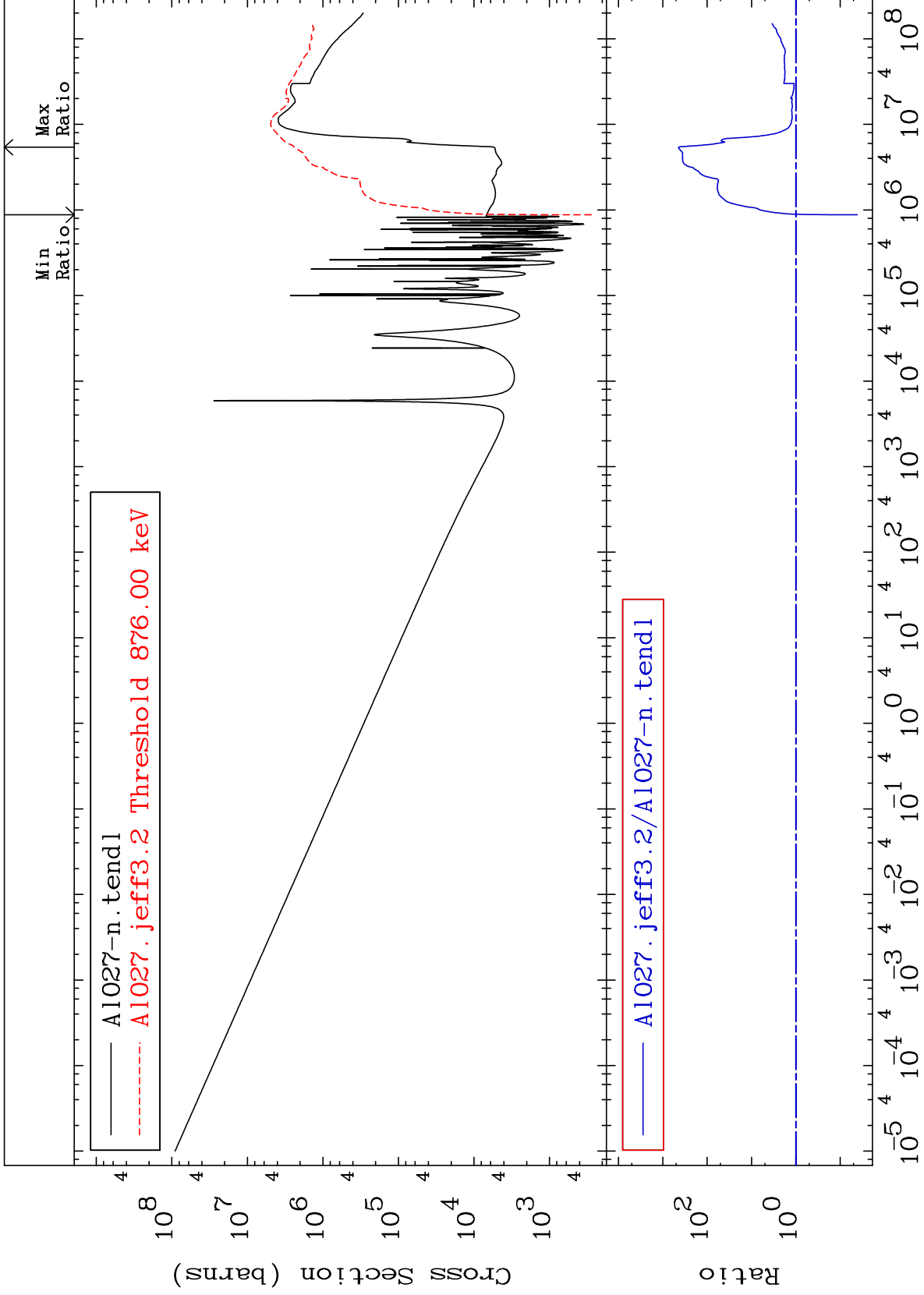


13-Al-27

MAT 1325

Total photon (eV-barns)
Cross Section

13-Al-27
-95.88 To 9999. %



61

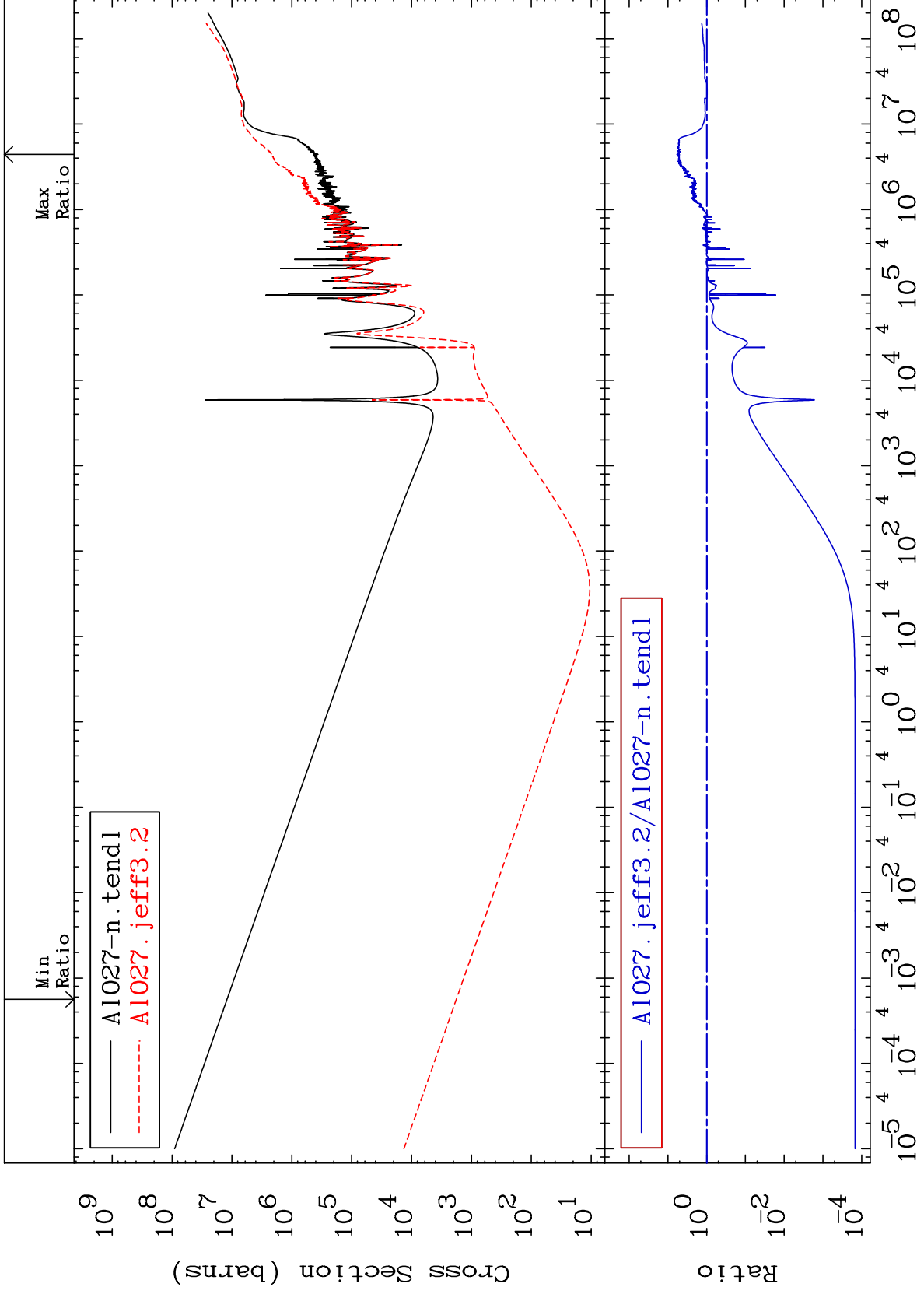
Incident Energy (eV)

13-Al-27

MAT 1325

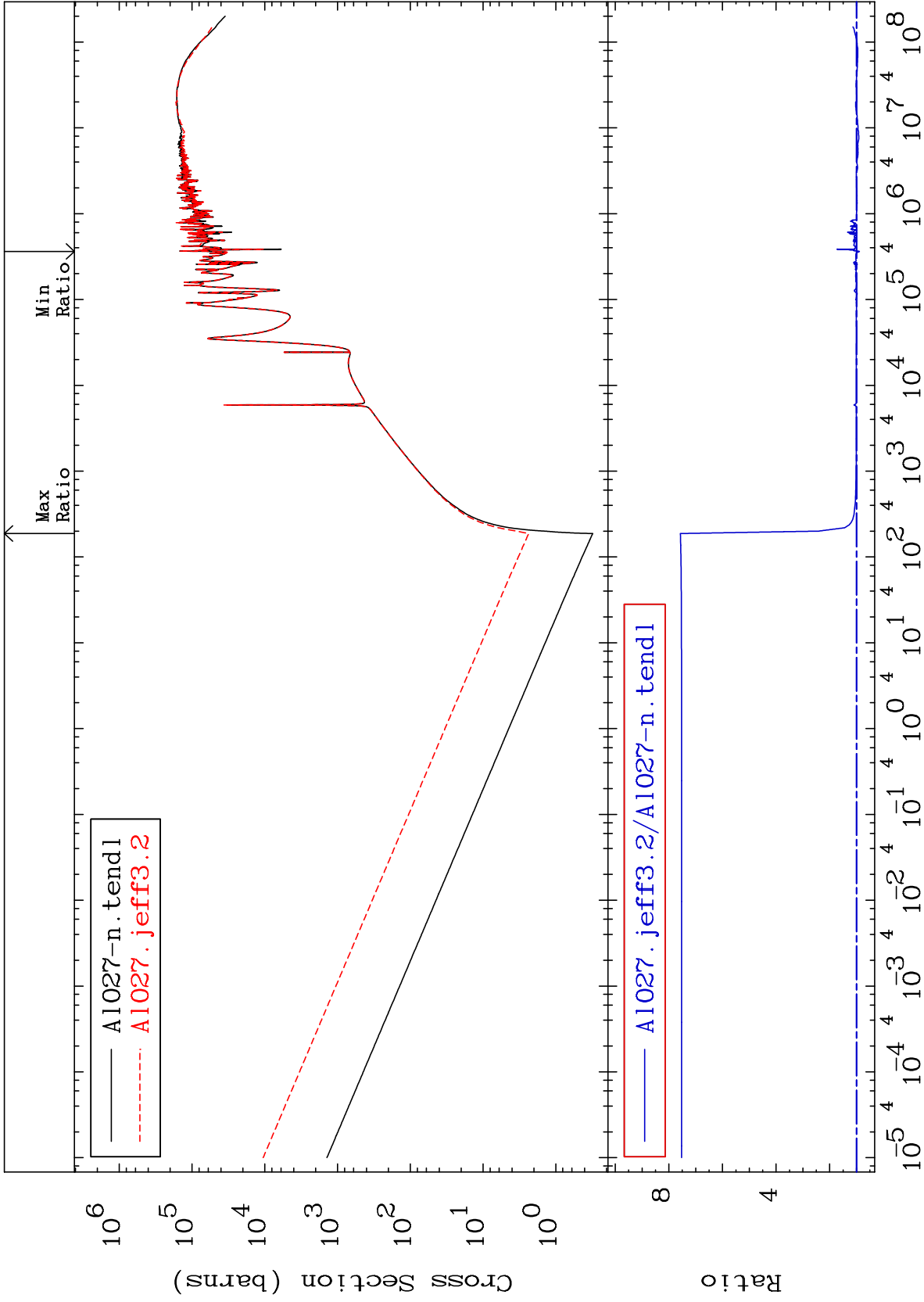
Total kinematic kerma (high limit)
Cross Section

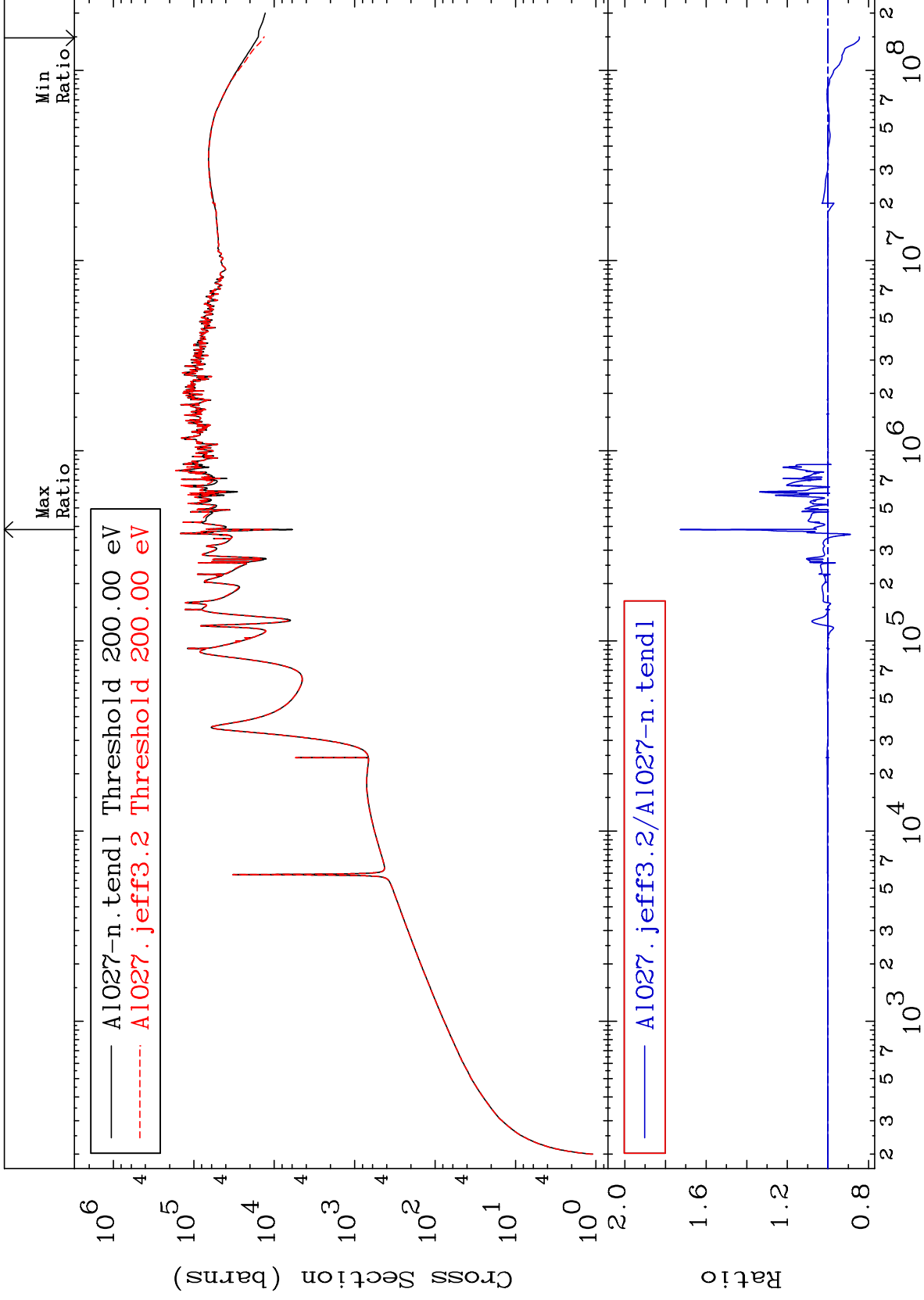
13-Al-27
-99.99 To 484.9 %

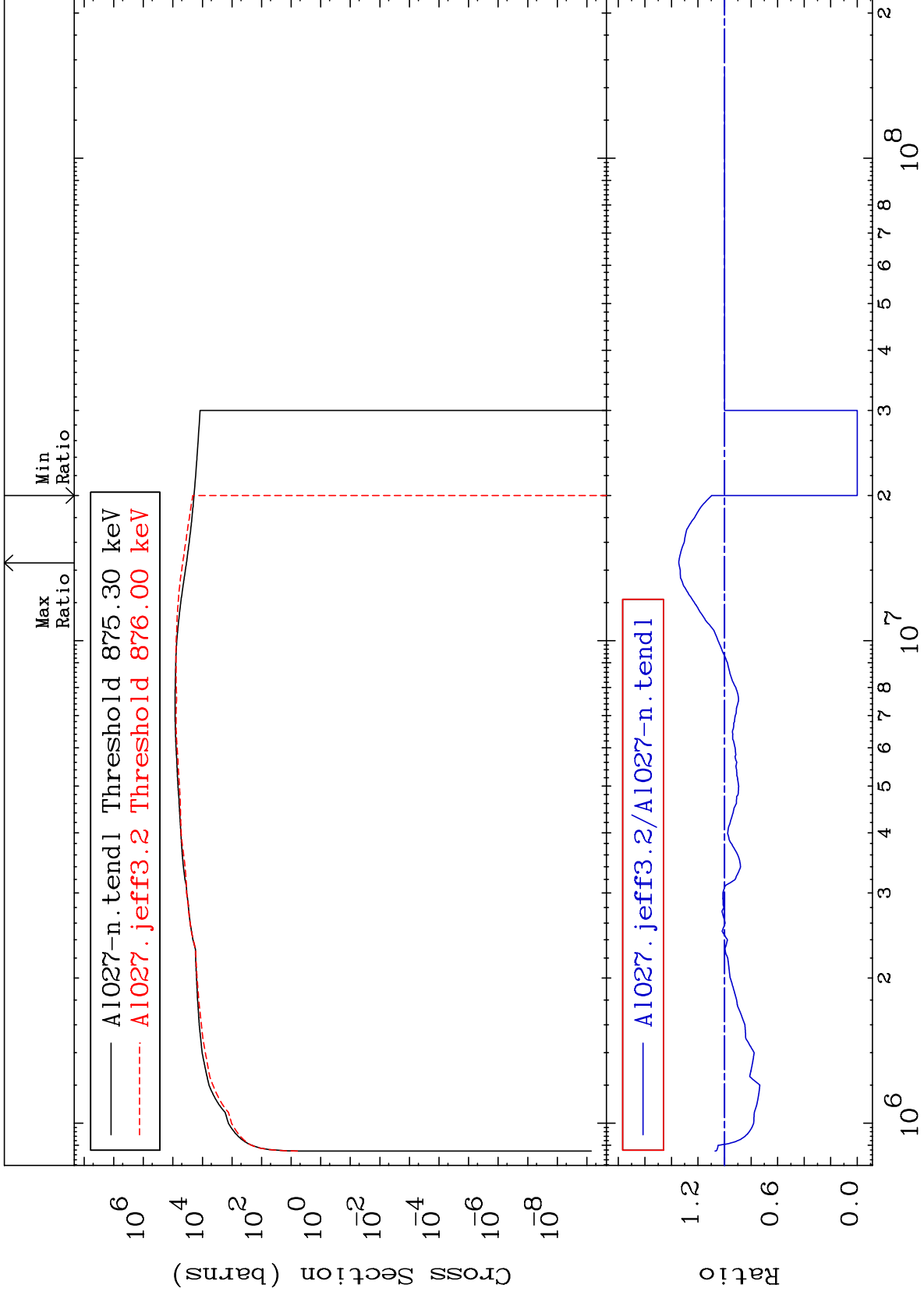


Cross Section

-11.06 To 657.2 %



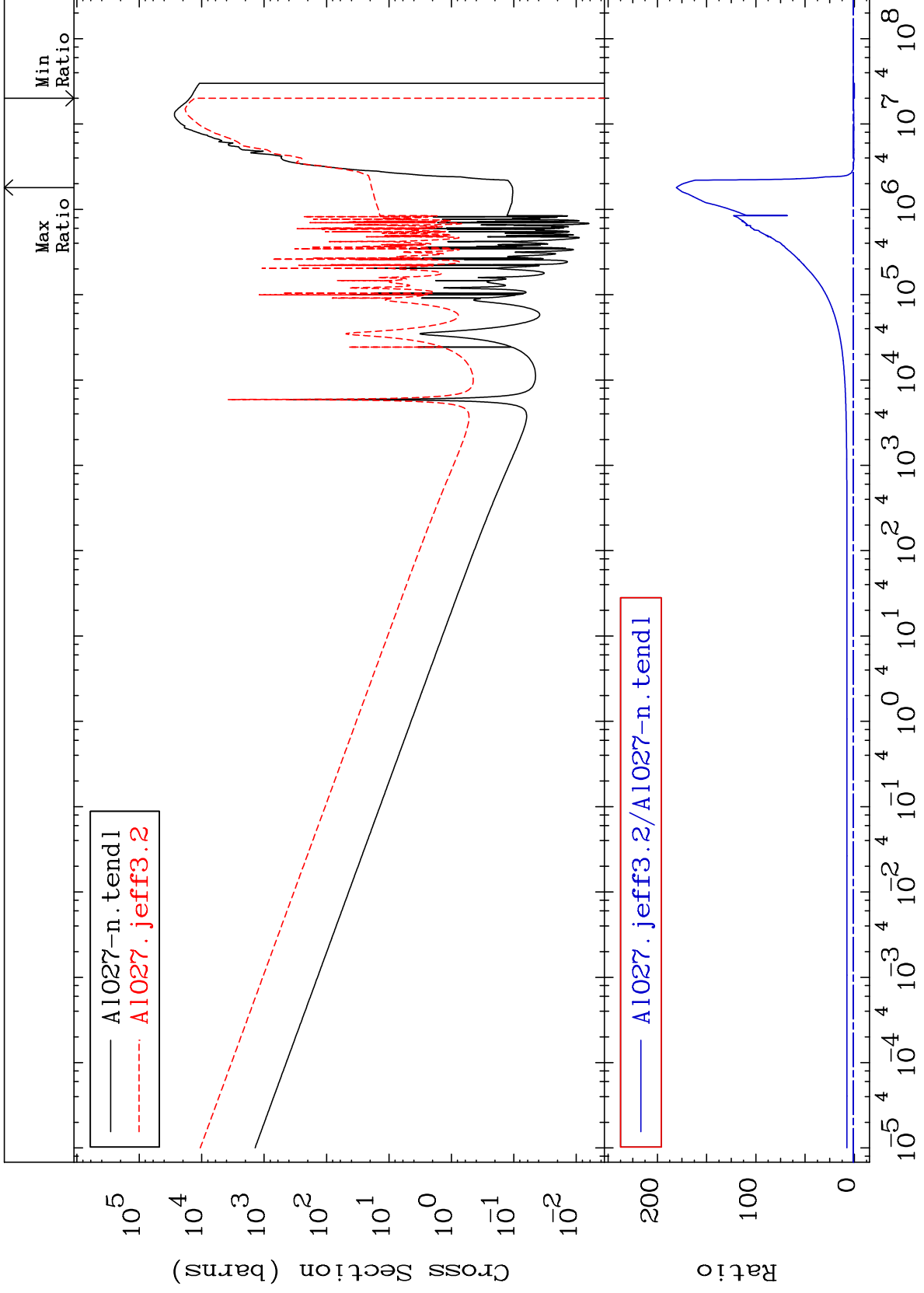




MAT 1325

Dpa disappearance (mt102 -120)
Cross Section

13-Al-27
-100.0 To 9999. %



66

Incident Energy (eV)

13-Al-27