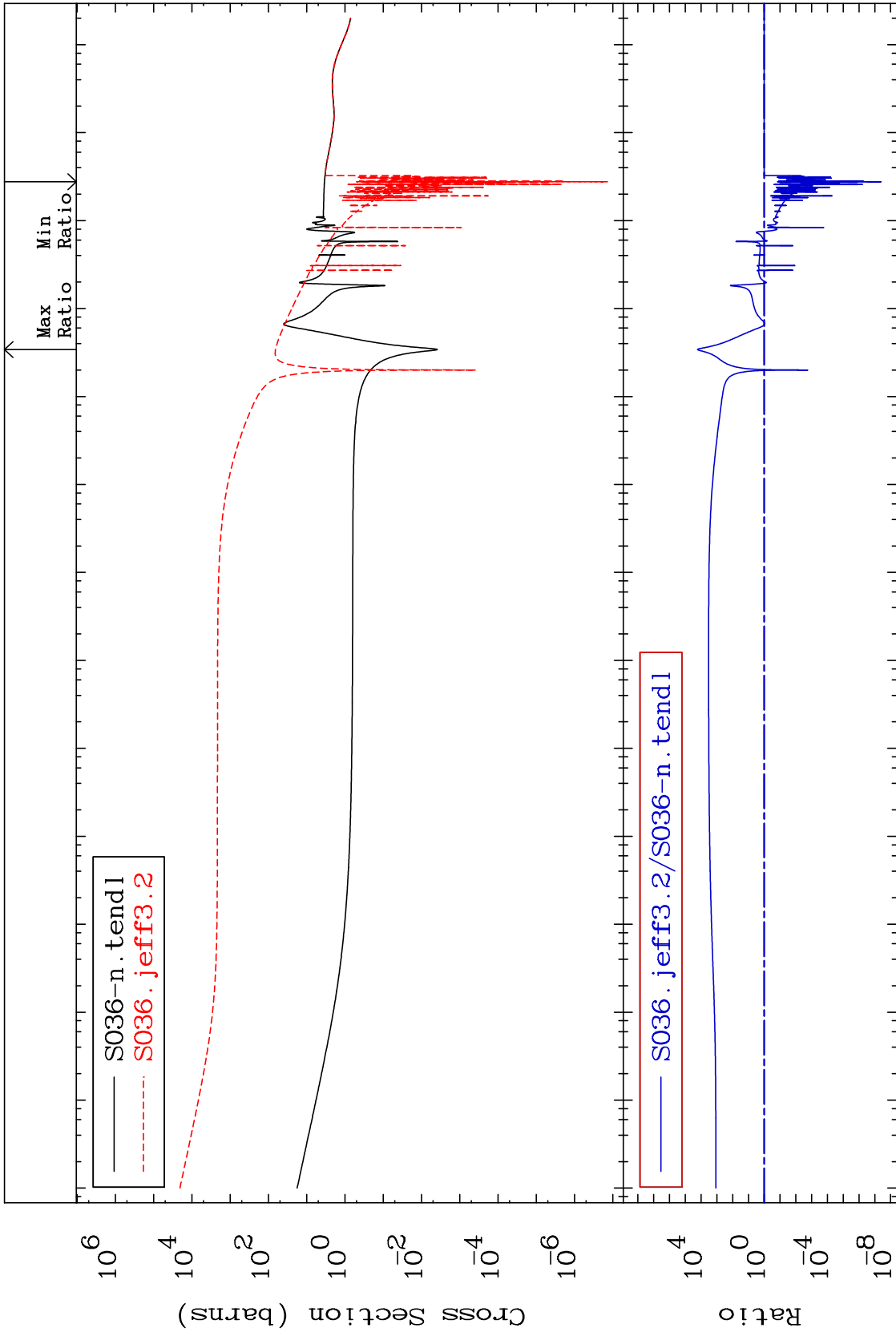


MAT 1637

Total  
Cross Section

16-S -36  
-100.0 To 9999. %



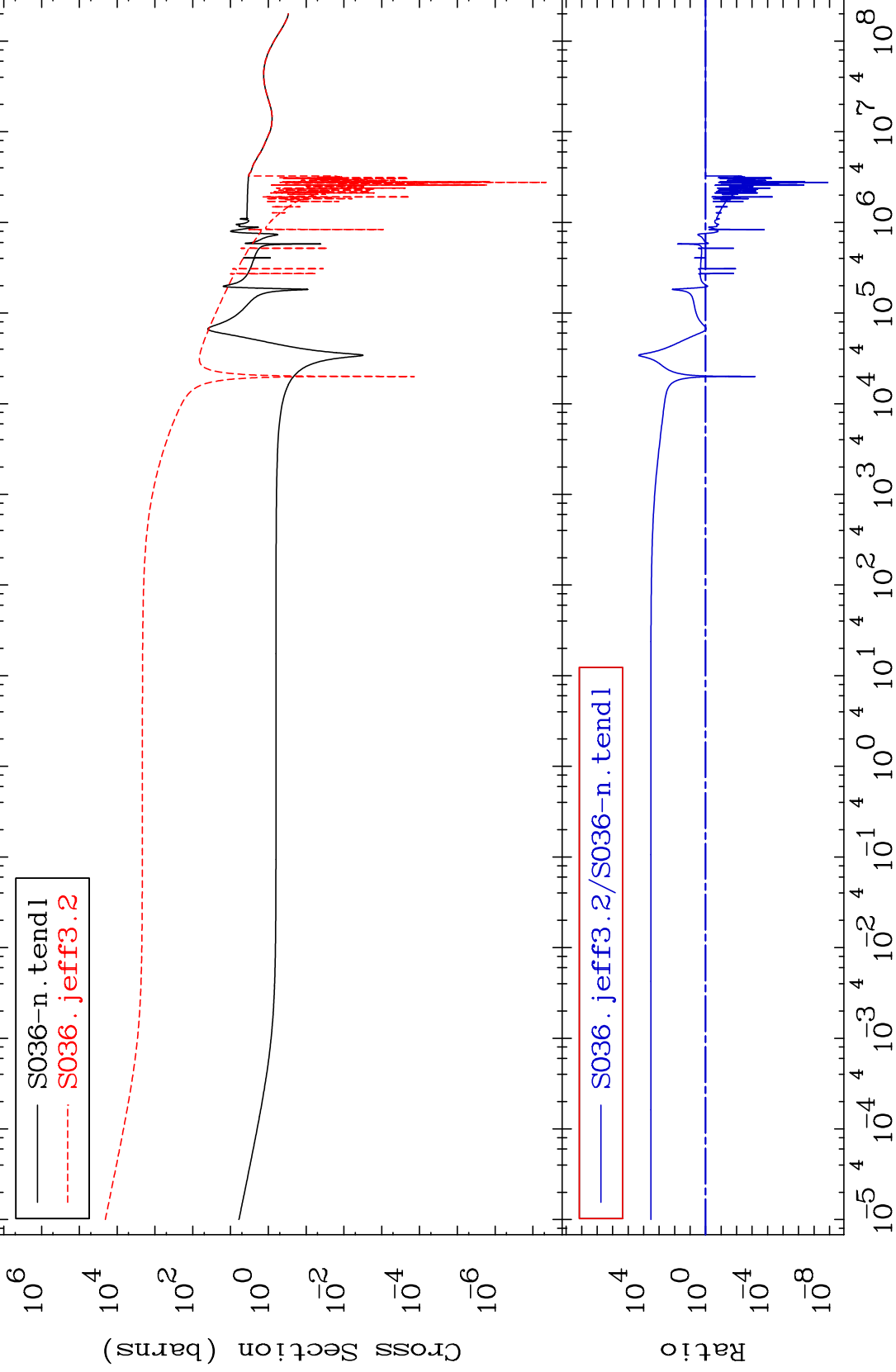
Incident Energy (eV)

16-S -36

MAT 1637

Elastic  
Cross Section

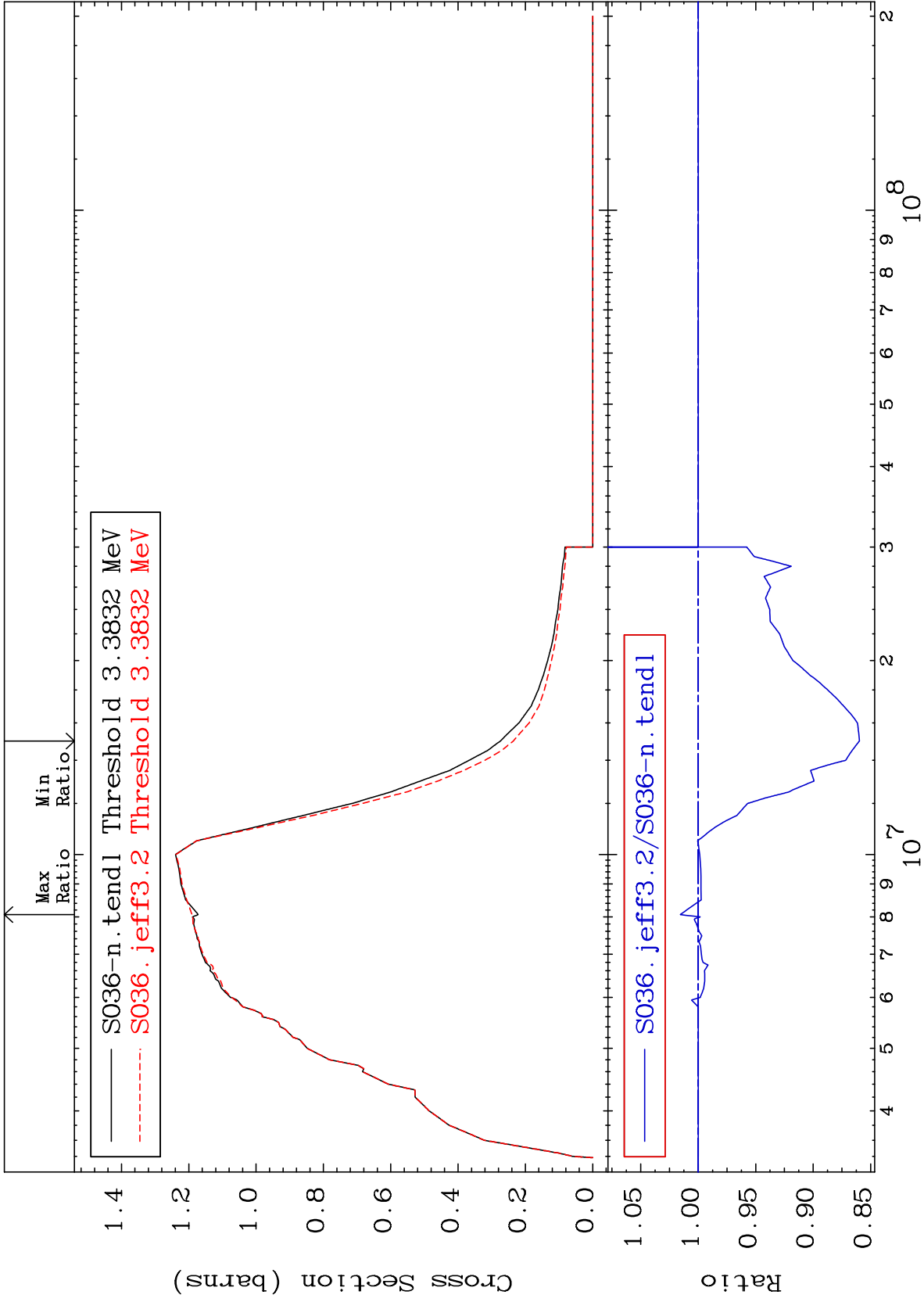
16-S -36  
-100.0 To 9999. %



Incident Energy (eV)

16-S -36

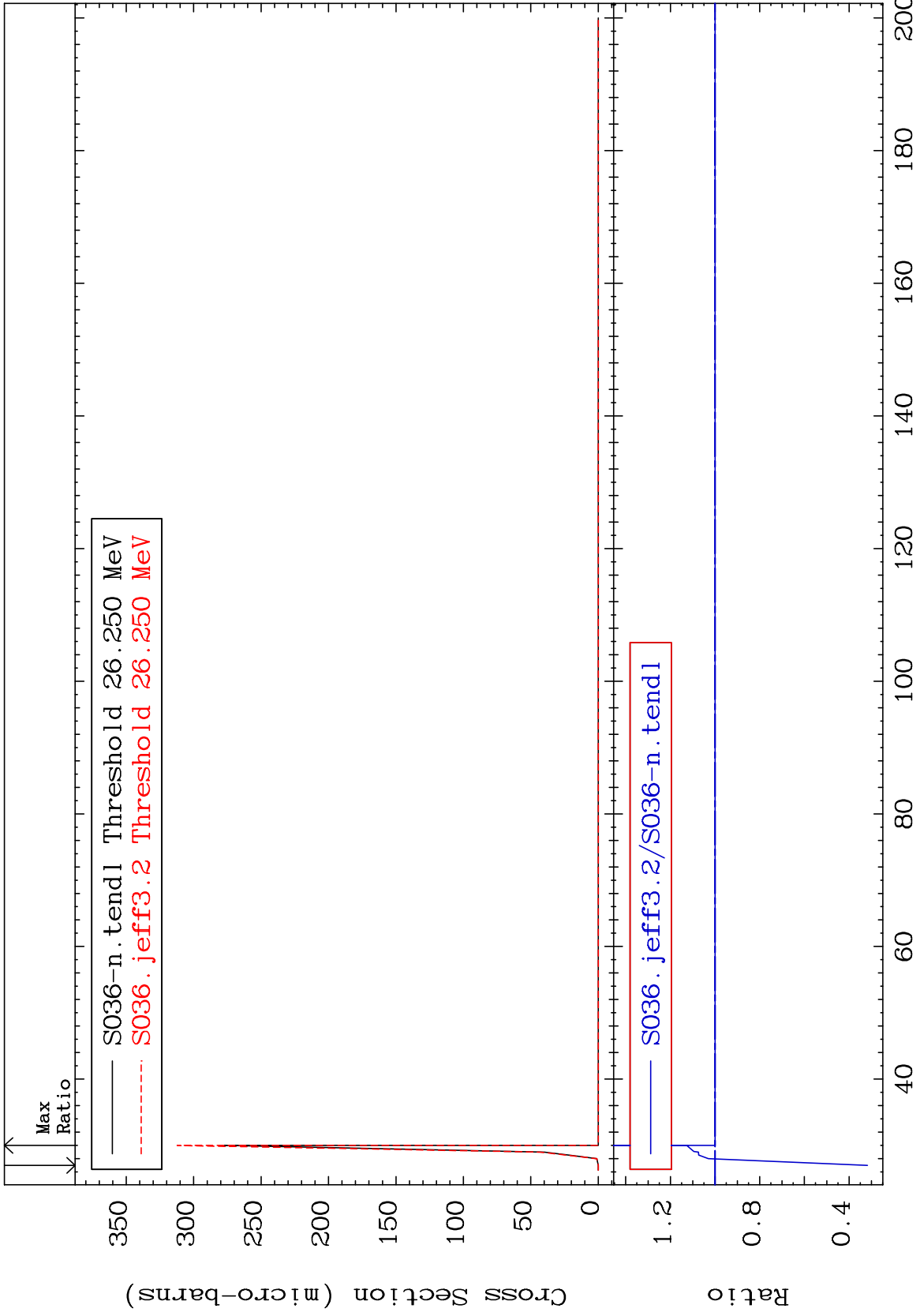
2



MAT 1637

(n,2n) d  
Cross Section

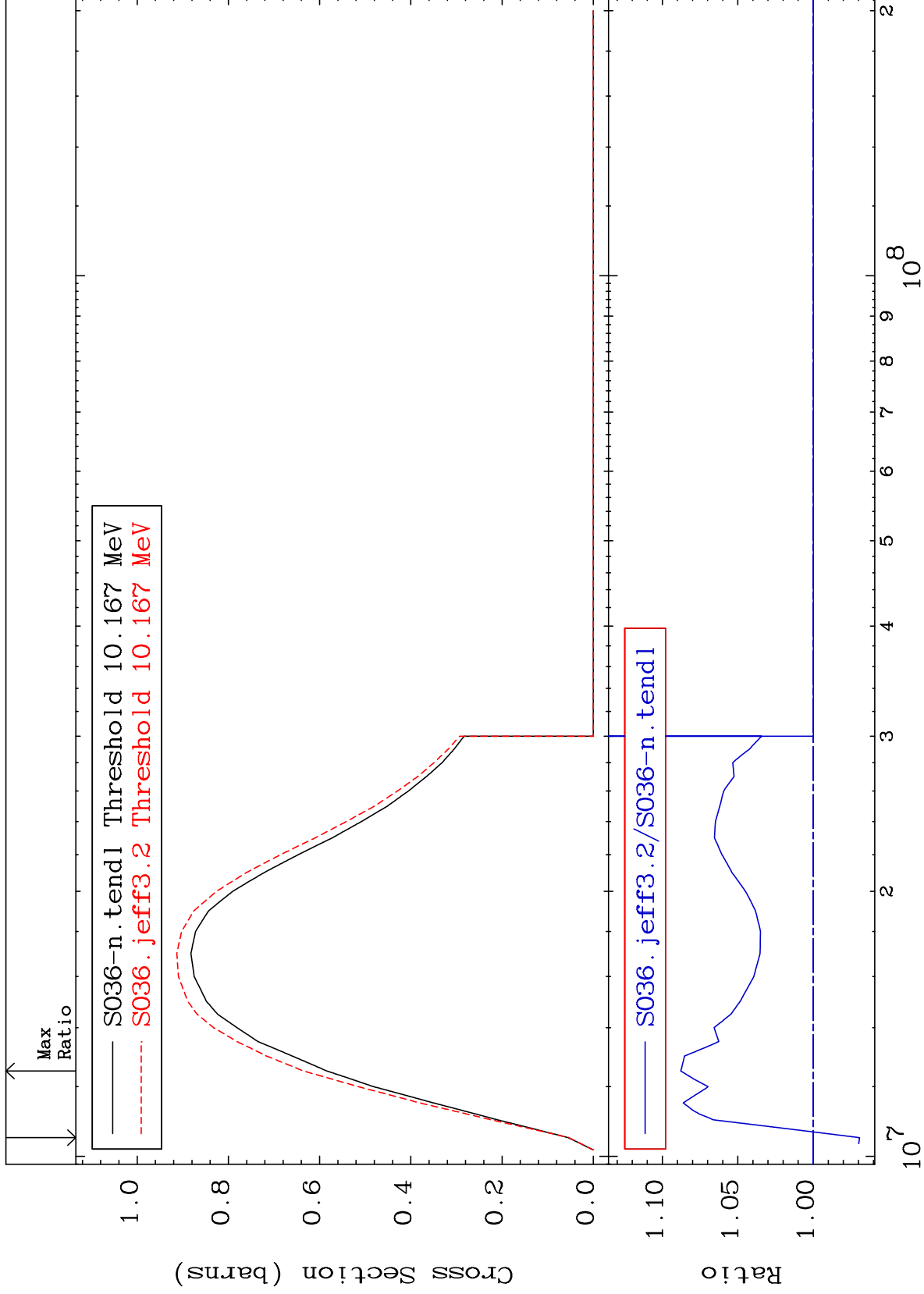
16-S -36  
-68.23 To 12.69 %



MAT 1637

(n,2n)  
Cross Section

16-S -36  
-3.071 To 8.782 %



16-S -36

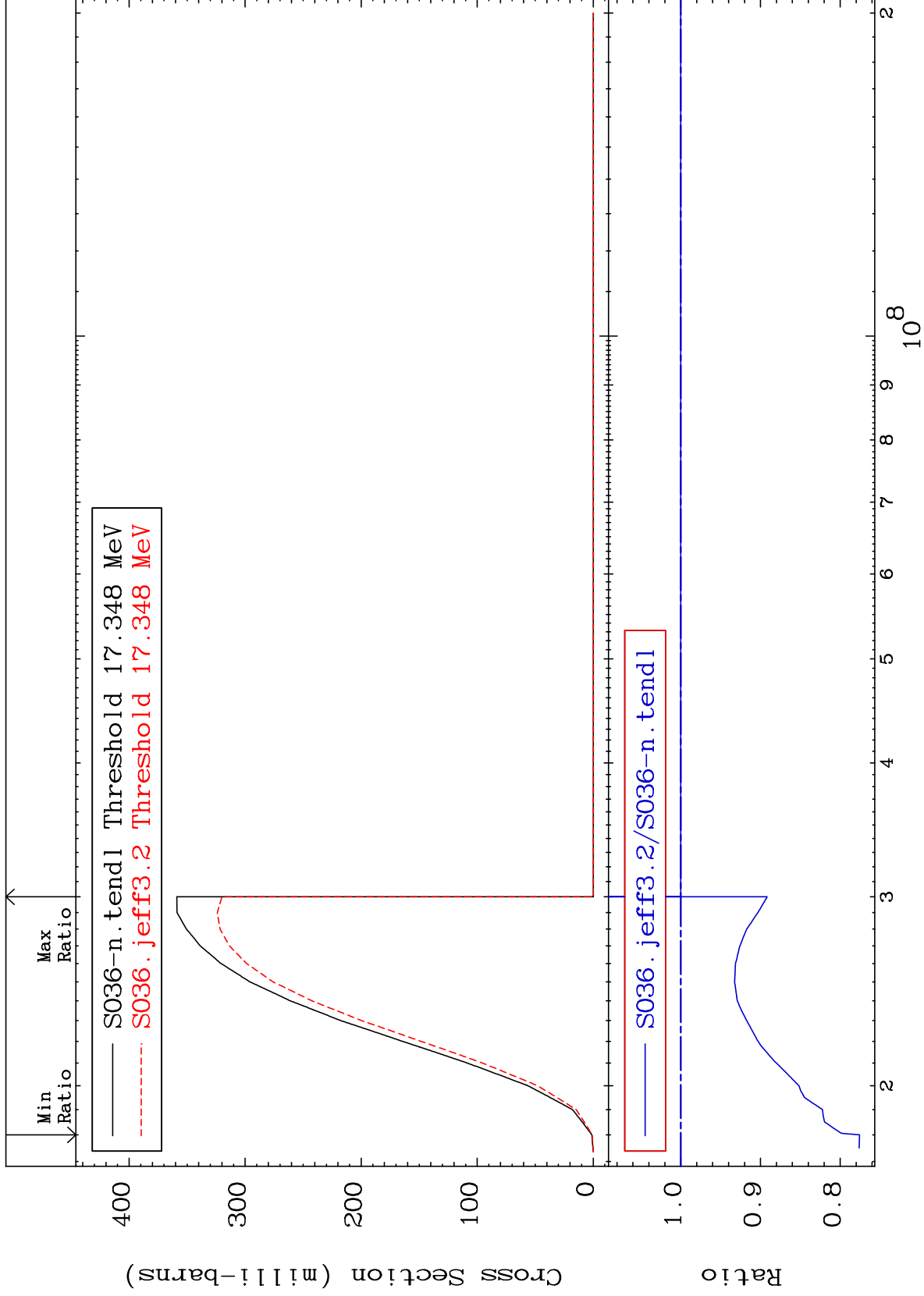
MAT 1637

(n,3n)

16-S -36

Cross Section

-22.43 To 0.000 %



6

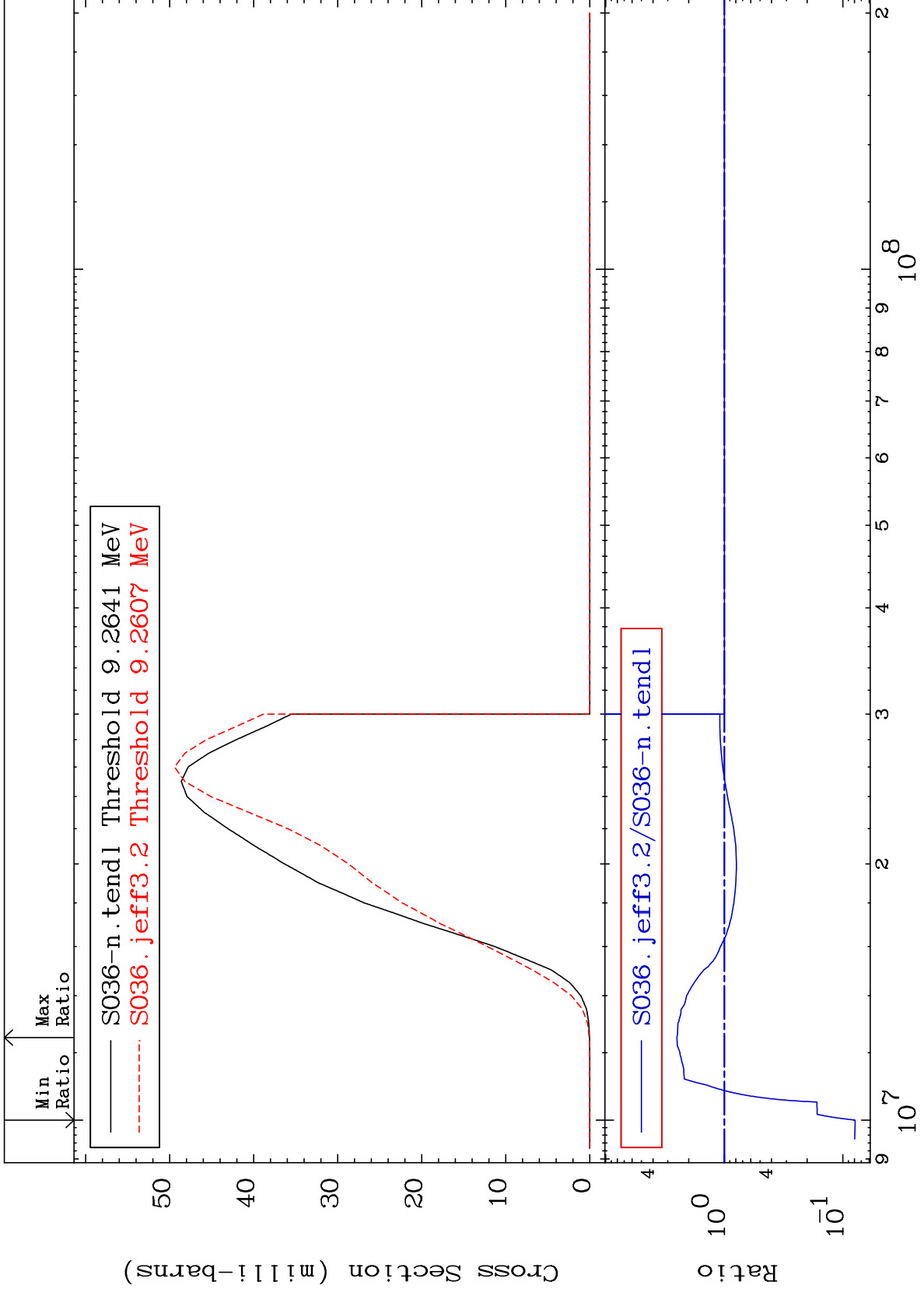
16-S -36

16-S -36

MAT 1637

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

16-S -36  
-92.10 To 151.3 %

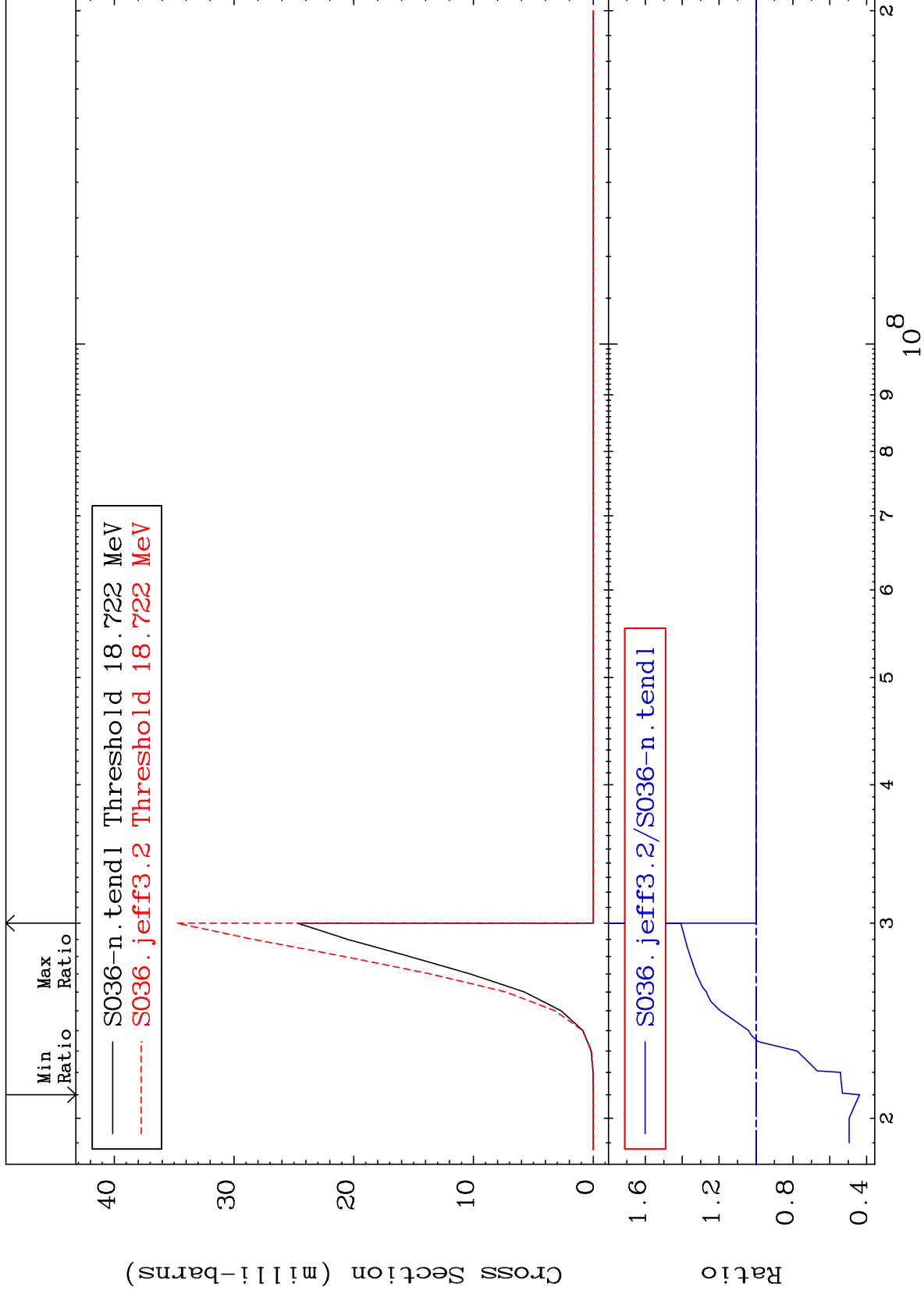


16-S -36

MAT 1637

(n,2n)  $\alpha$   
Cross Section

16-S -36  
-56.12 To 40.79 %

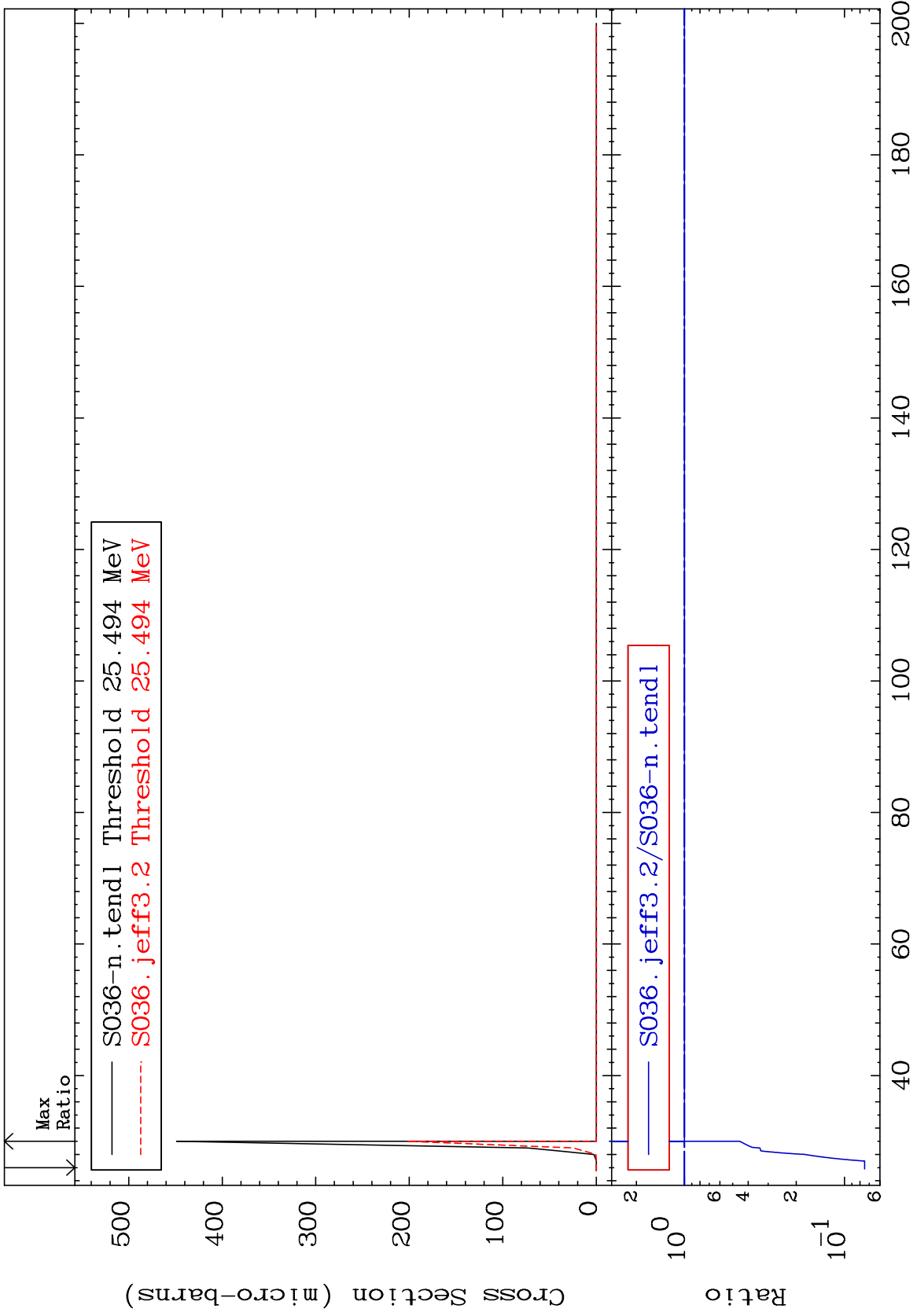


8

Incident Energy (eV)

16-S -36

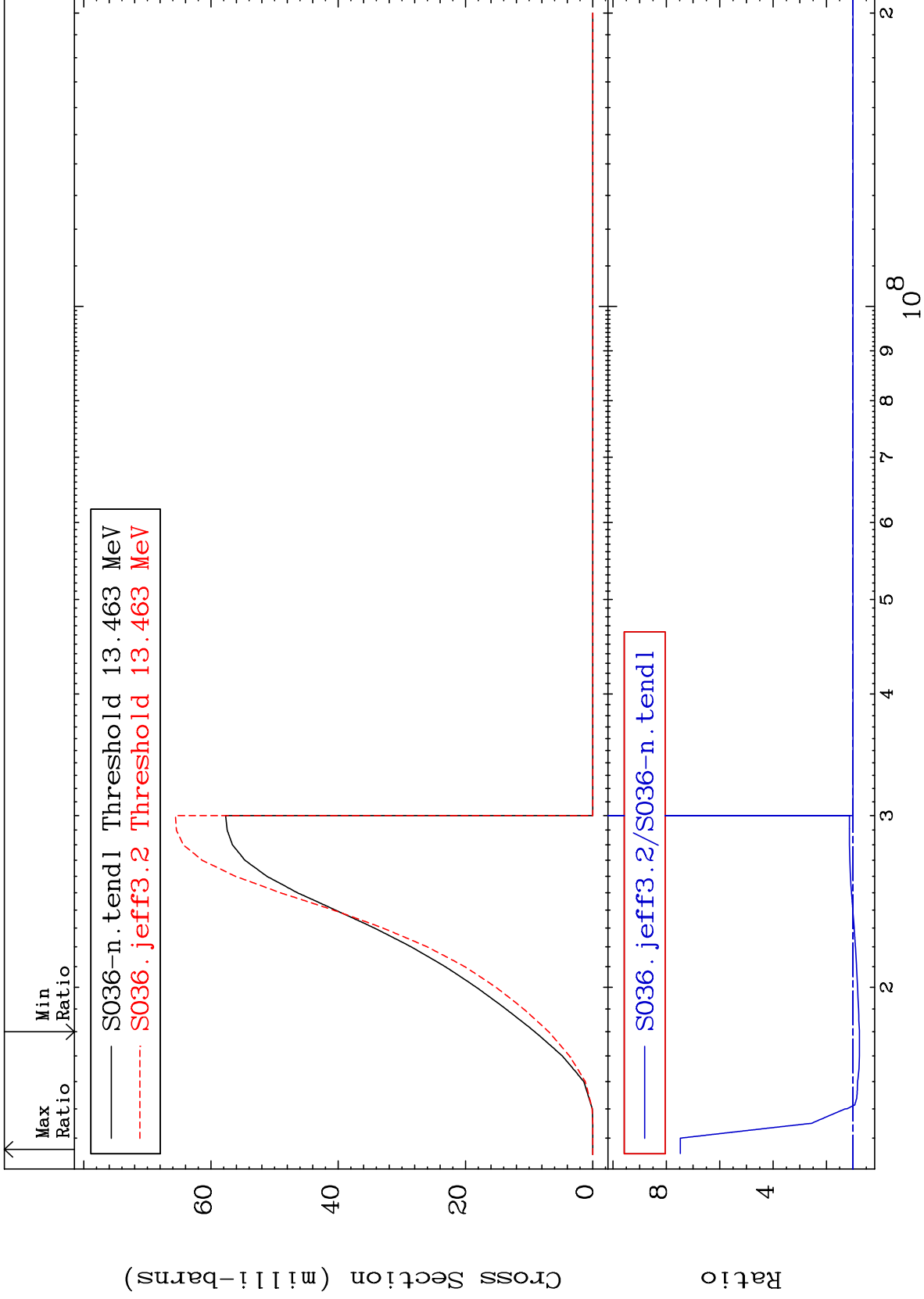




MAT 1637

(n,n') p  
Cross Section

16-S -36  
-23.88 To 647.4 %



10

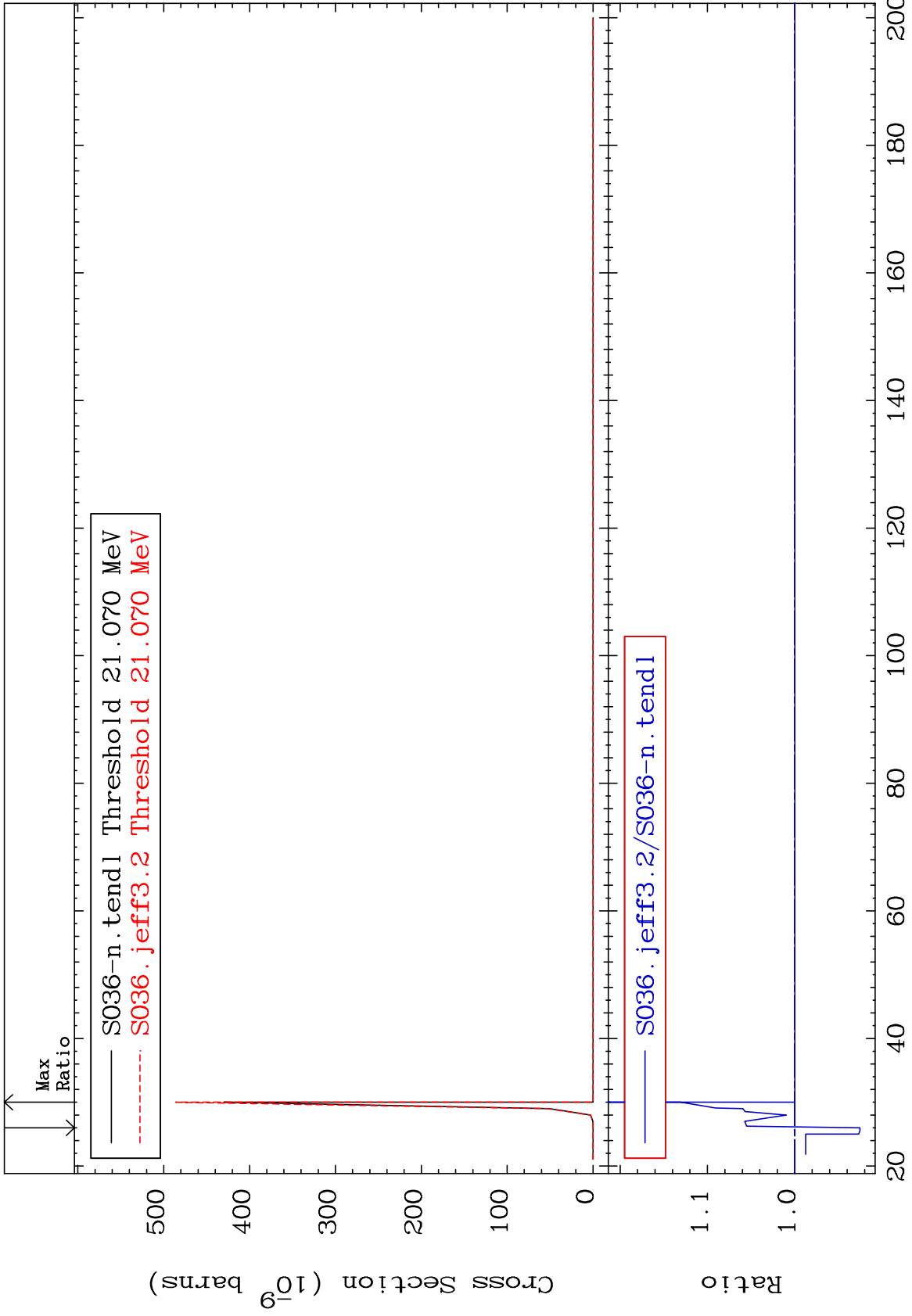
Incident Energy (eV)

16-S -36

MAT 1637

(n, n') 2 $\alpha$   
Cross Section

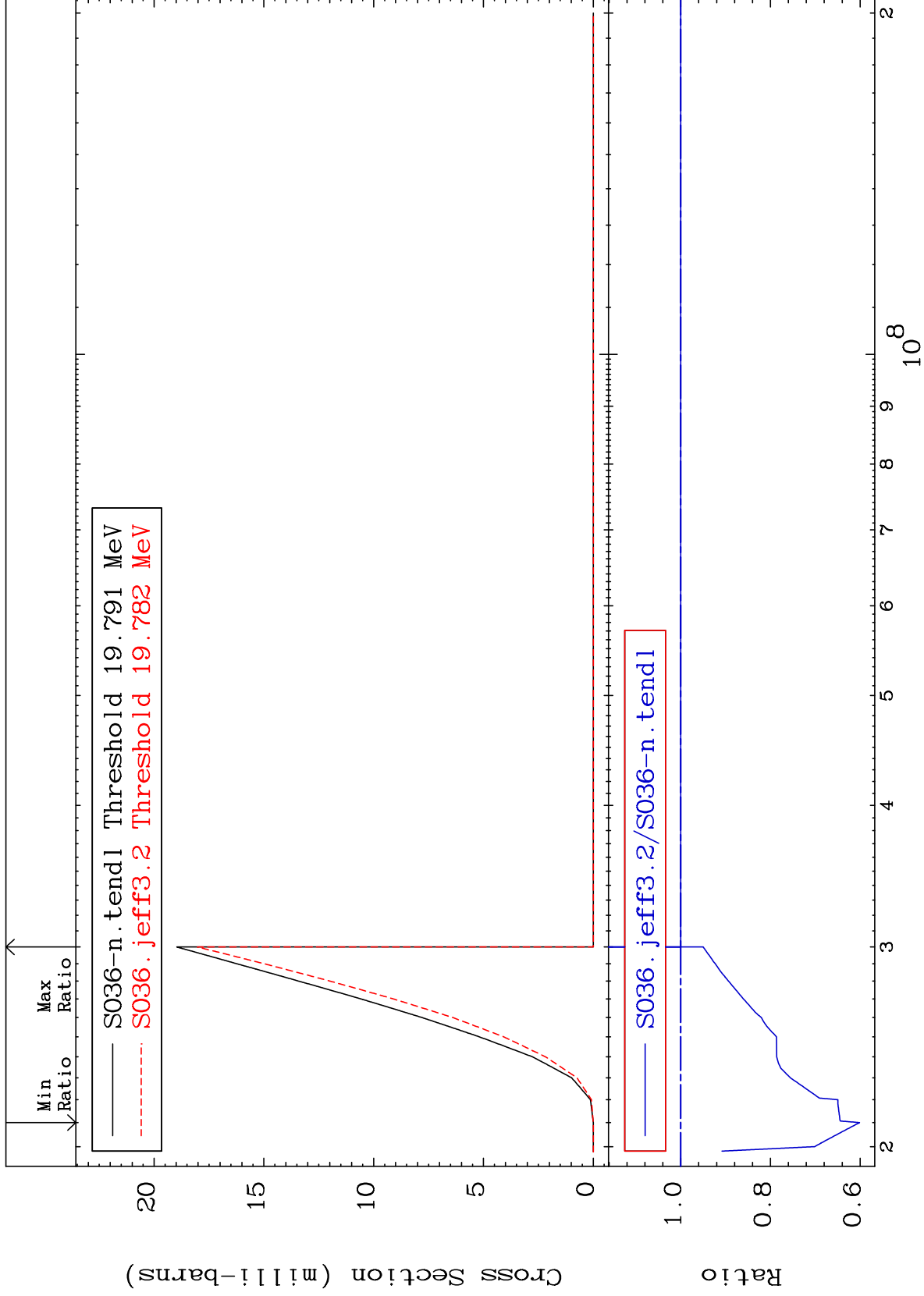
16-S -36  
-7.462 To 13.06 %



MAT 1637

(n,n') d  
Cross Section

16-S -36  
-39.87 To 0.000 %



12

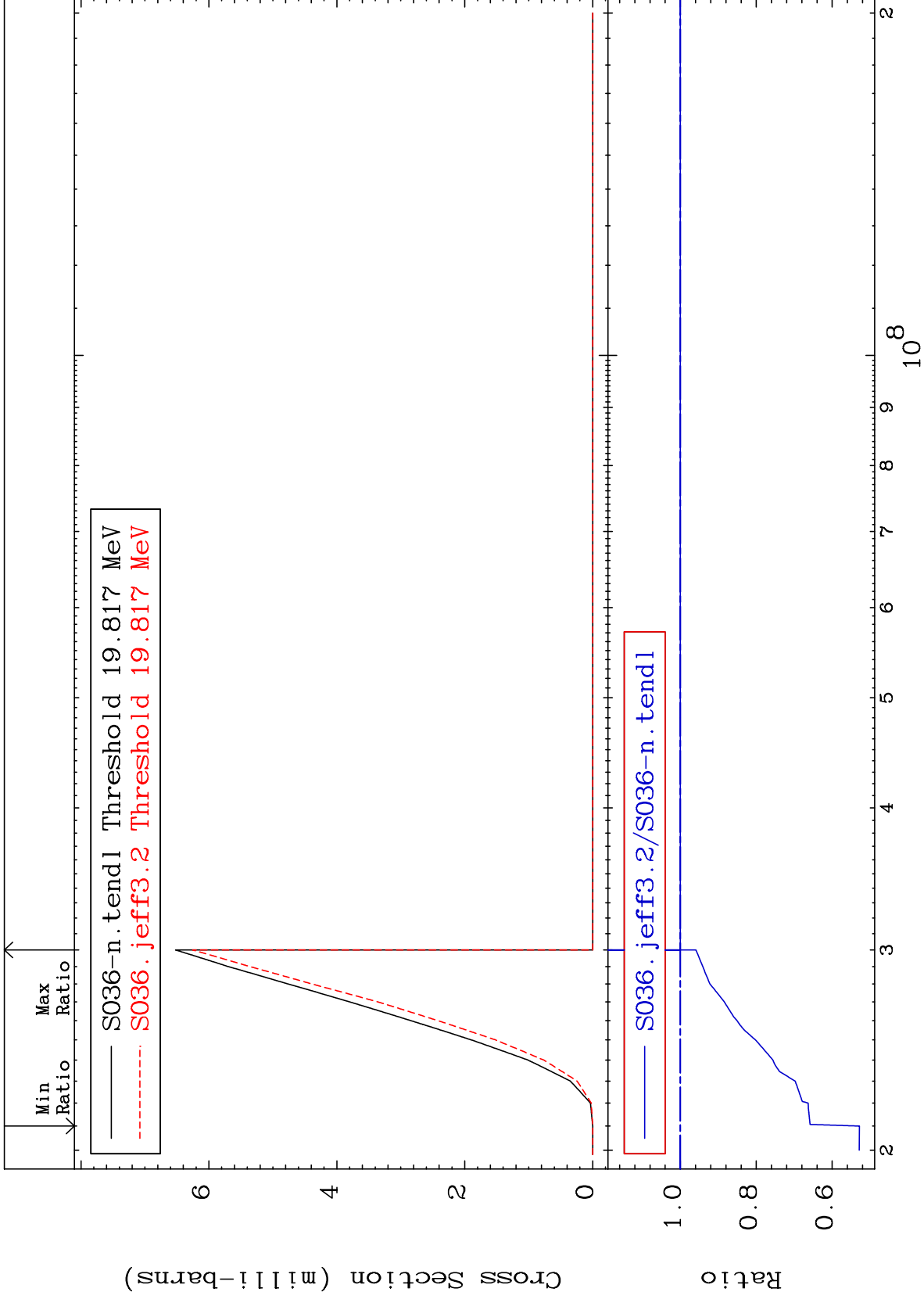
Incident Energy (eV)

16-S -36

MAT 1637

(n,n') t  
Cross Section

16-S -36  
-47.17 To 0.000 %



13

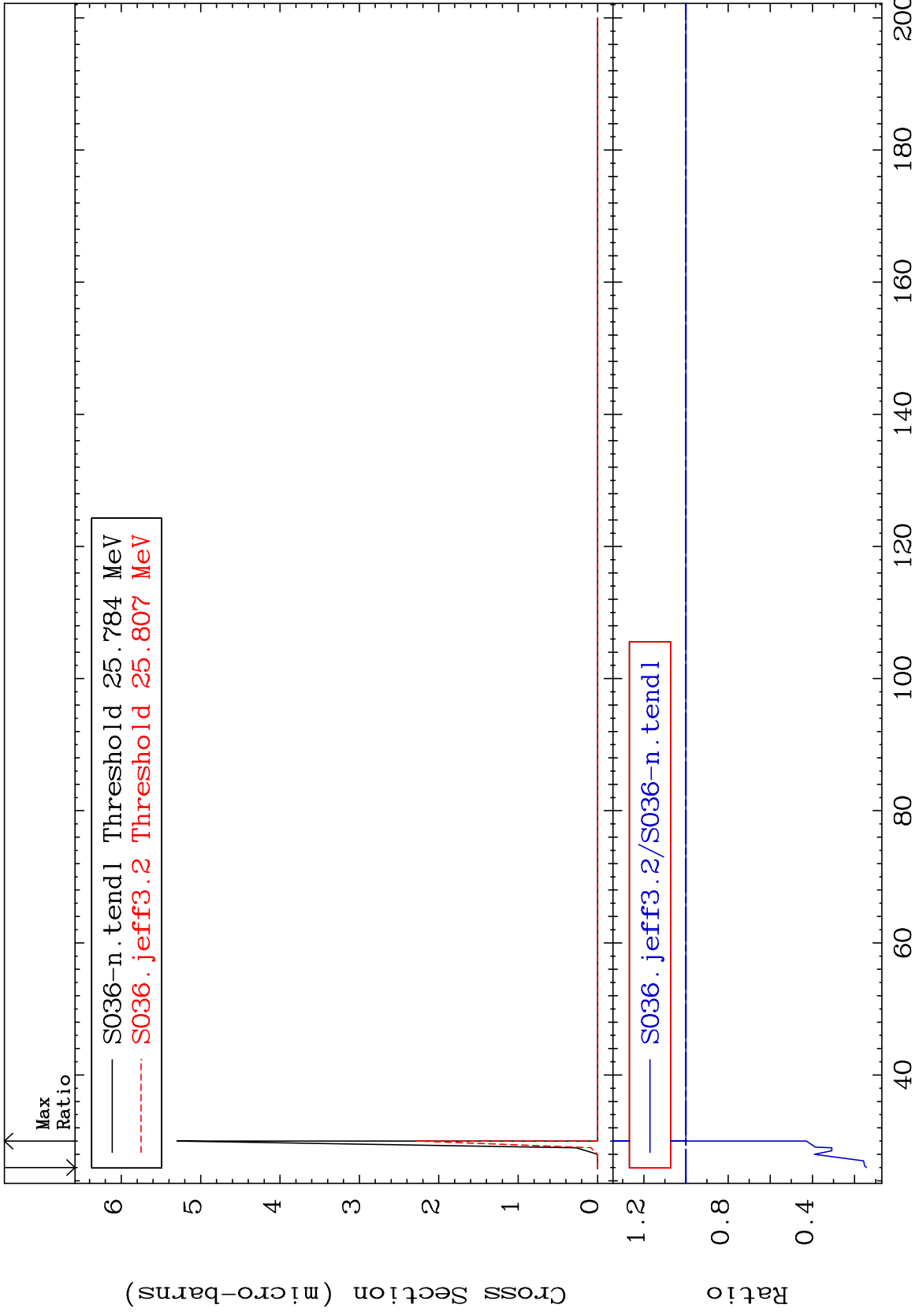
16-S -36

16-S -36

MAT 1637

(n, n') He-3  
Cross Section

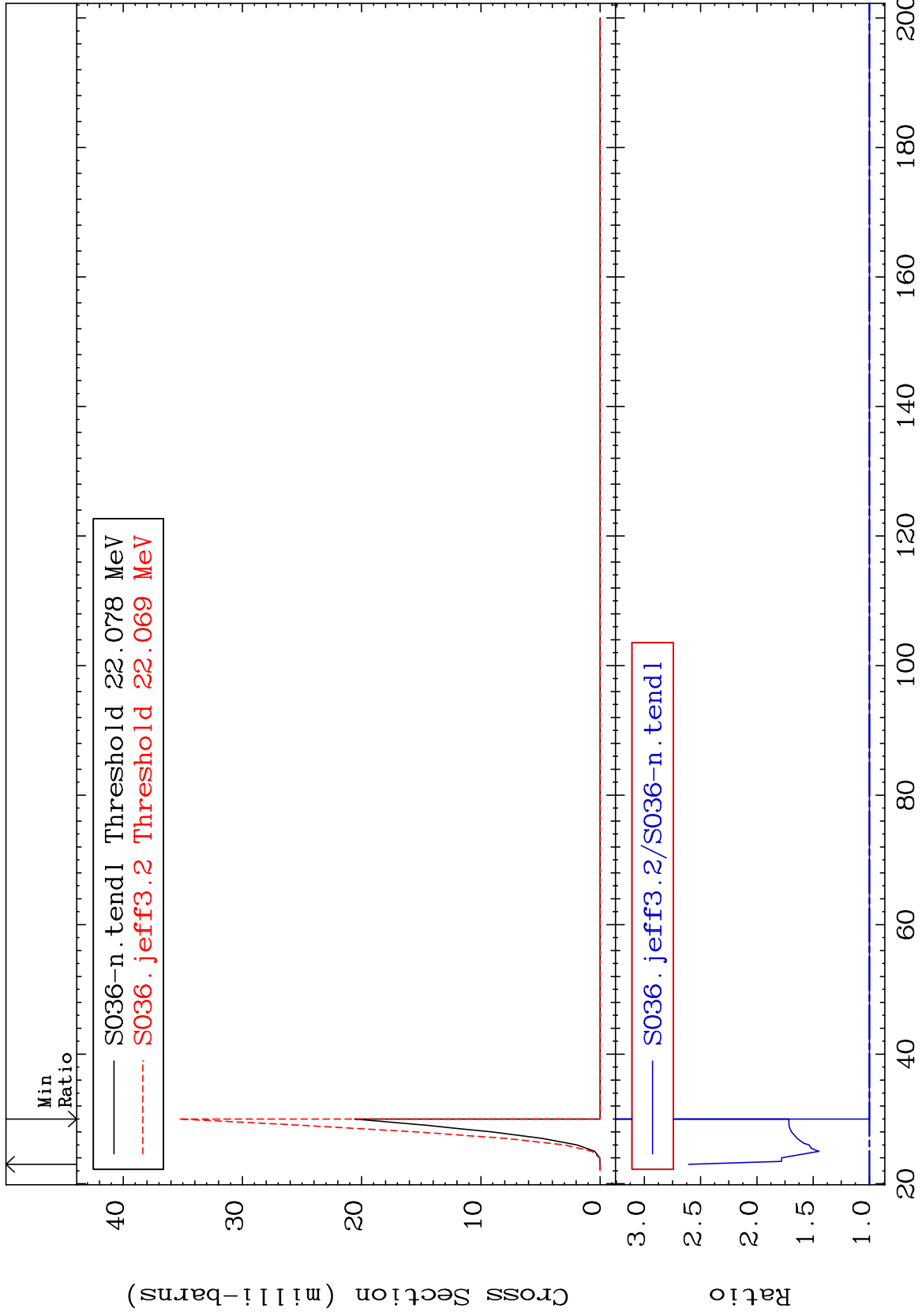
16-S -36  
-85.66 To 0.000 %



MAT 1637

(n,2n) p  
Cross Section

16-S -36  
0.000 To 160.7 %



15

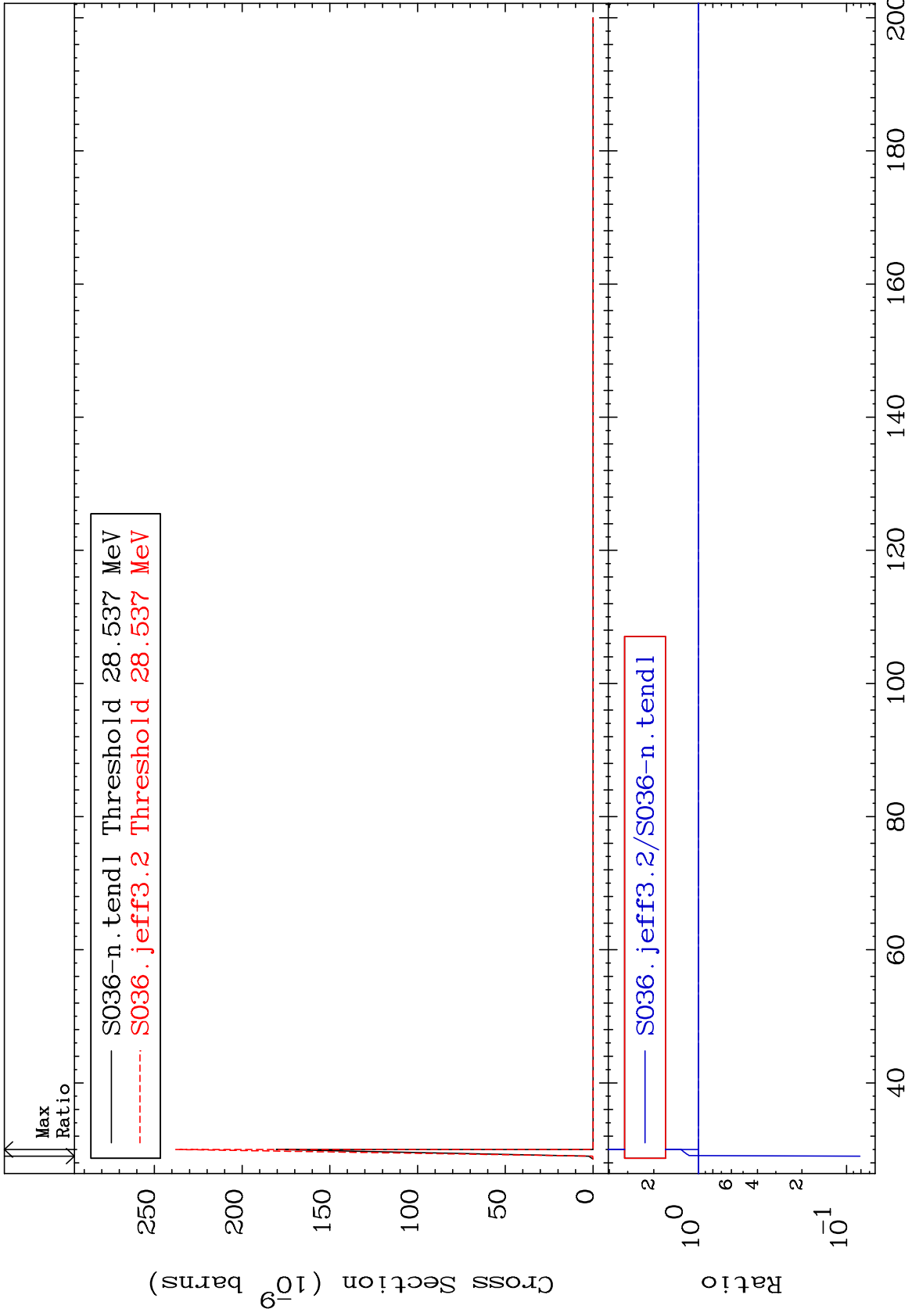
Incident Energy (MeV)

16-S -36

MAT 1637

(n,3n) p  
Cross Section

16-S -36  
-91.87 To 31.71 %

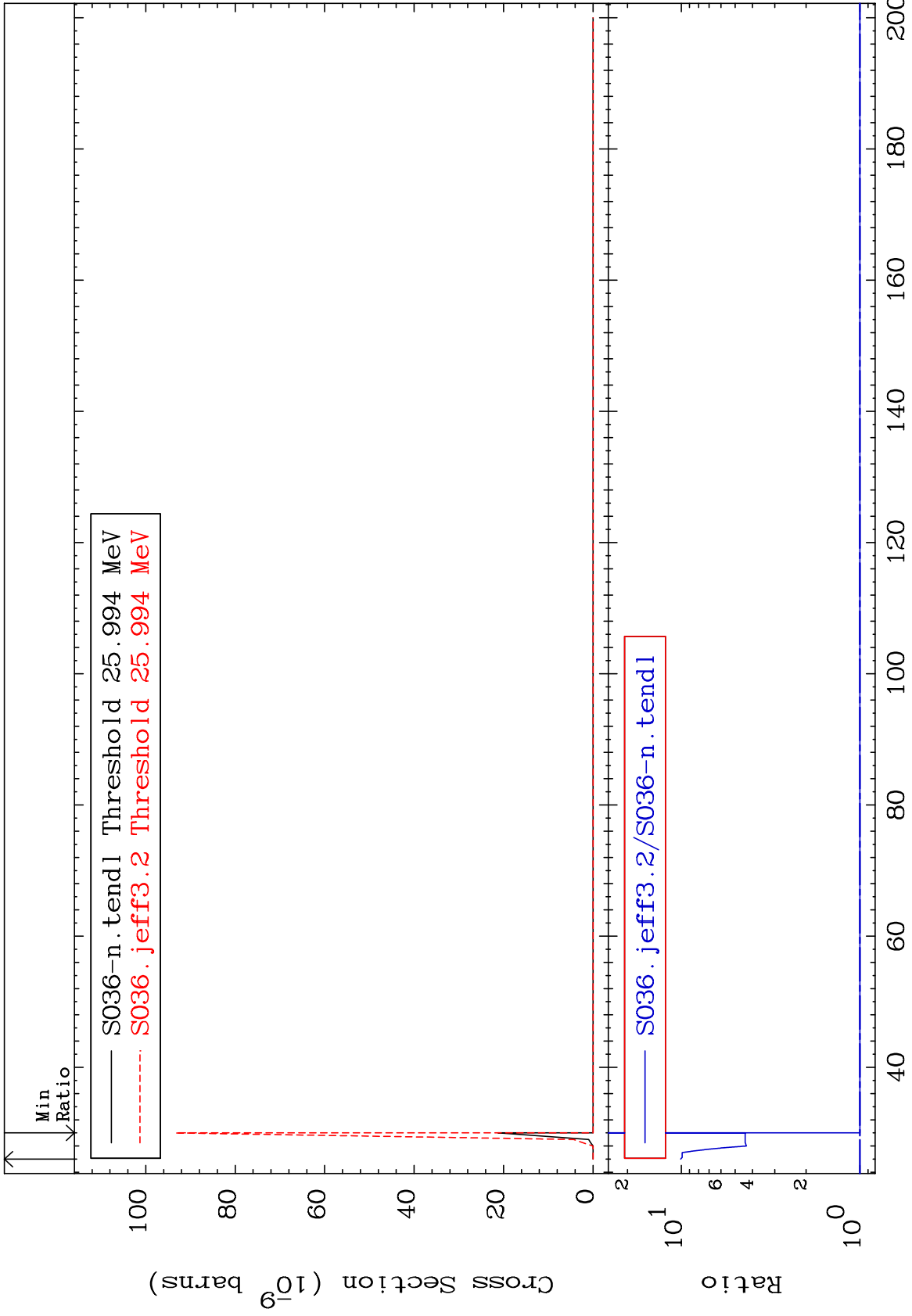




MAT 1637

(n,2n) p  
Cross Section

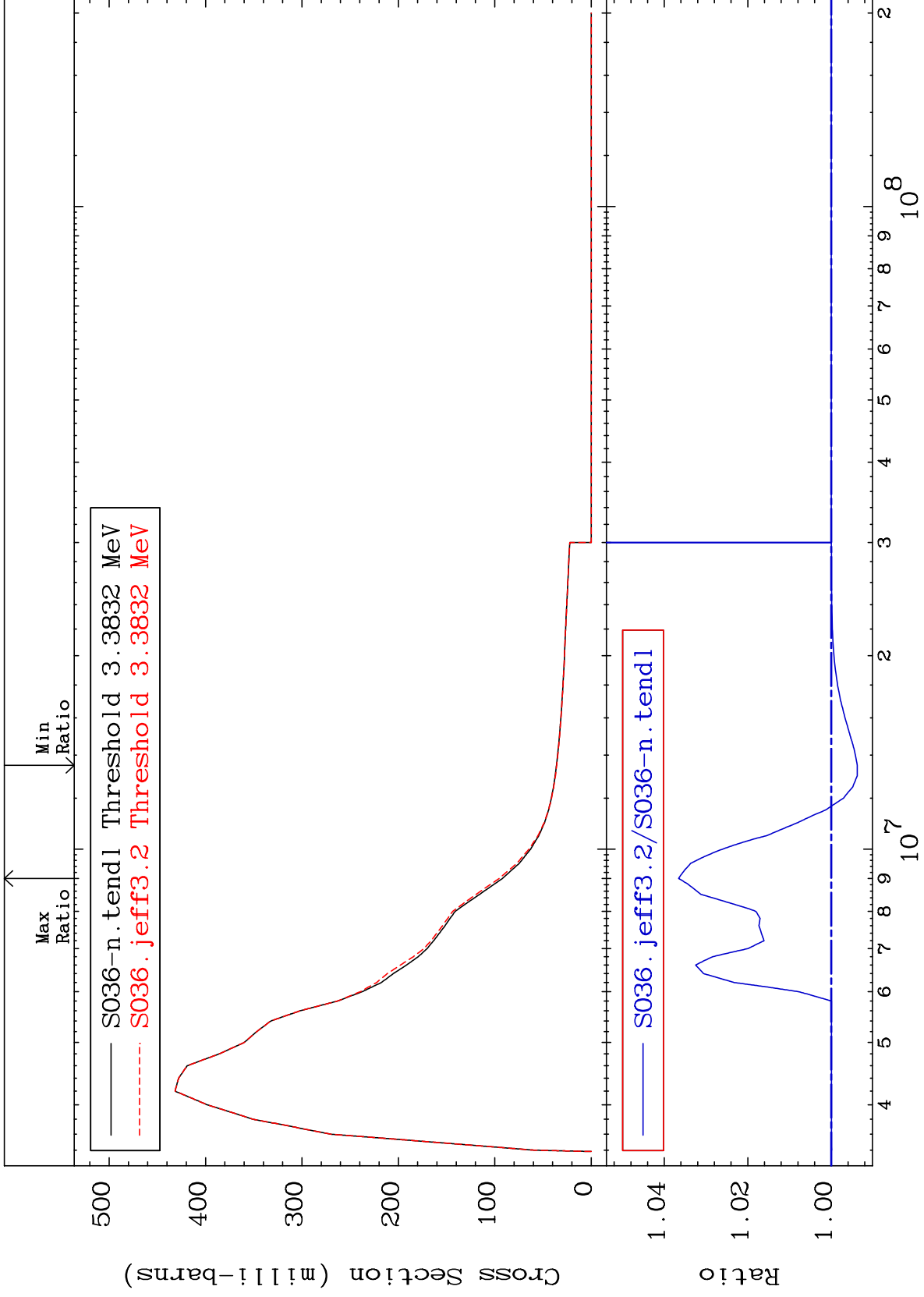
16-S -36  
0.000 To 907.5 %



MAT 1637

3.291 MeV (n,n') Level  
Cross Section

16-S -36  
-0.621 To 3.656 %



18

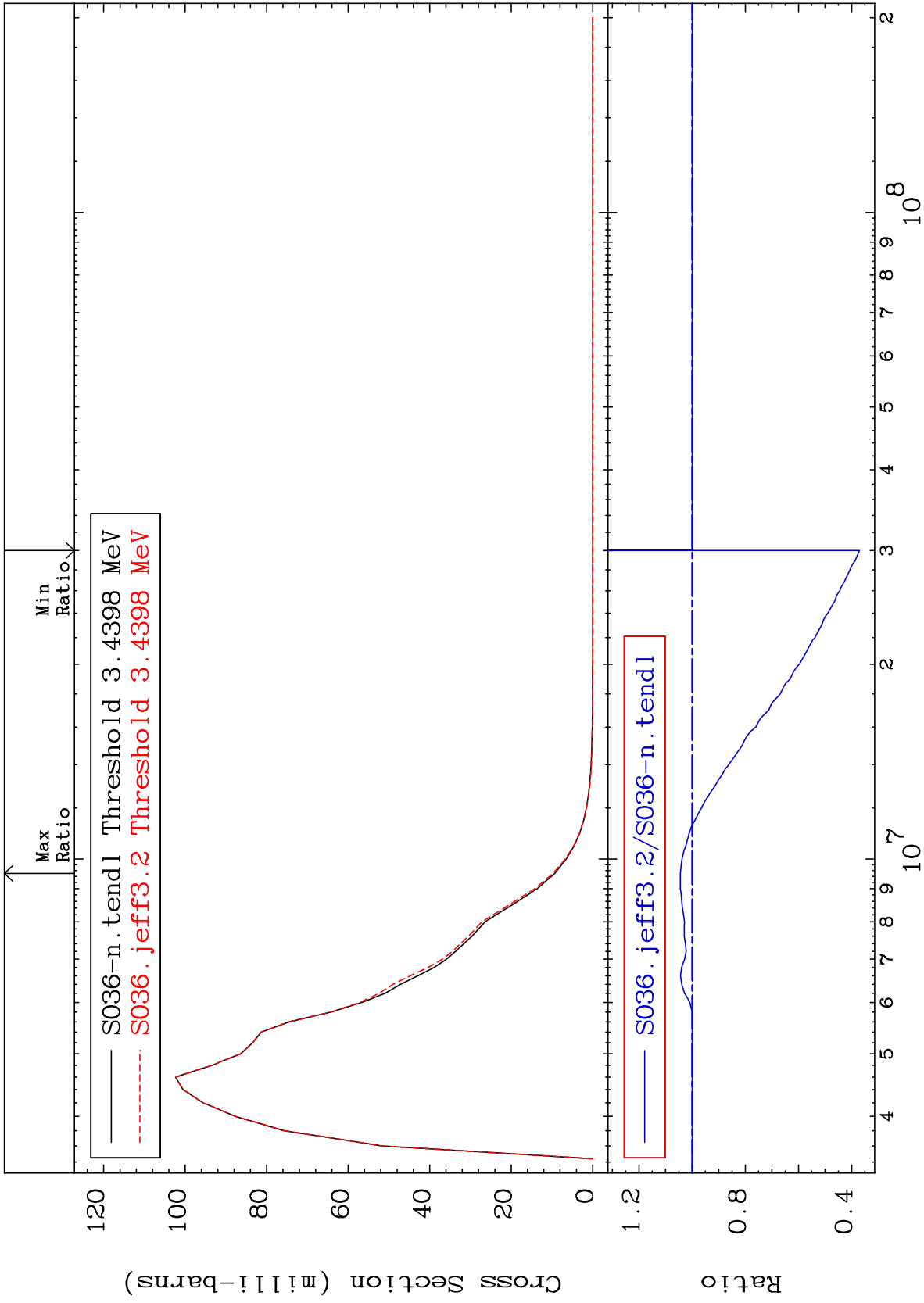
Incident Energy (eV)

16-S -36

MAT 1637

3.346 MeV (n,n') Level  
Cross Section

16-S -36  
-62.94 To 4.428 %



19

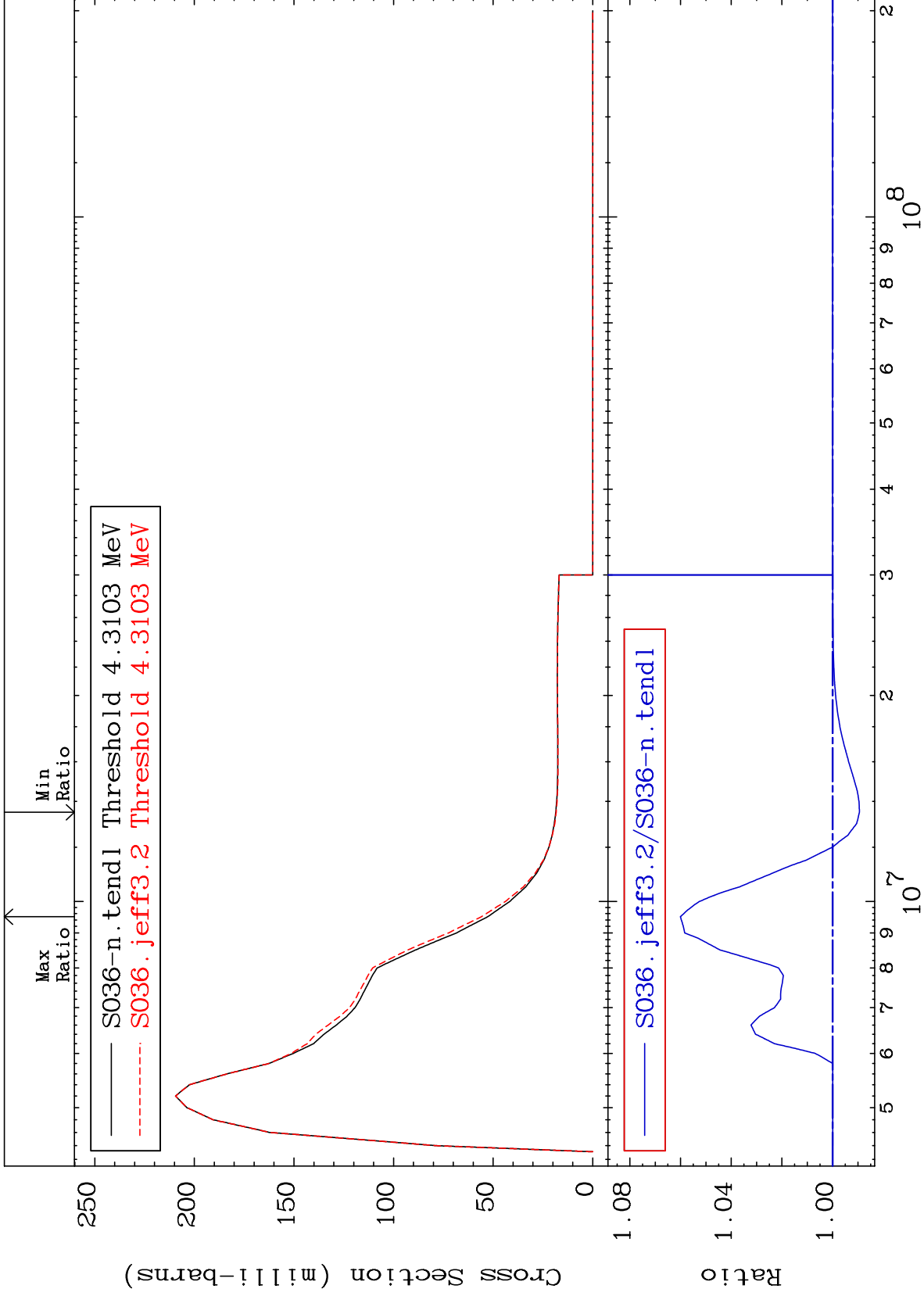
Incident Energy (eV)

16-S -36

MAT 1637

4.193 MeV (n,n') Level  
Cross Section

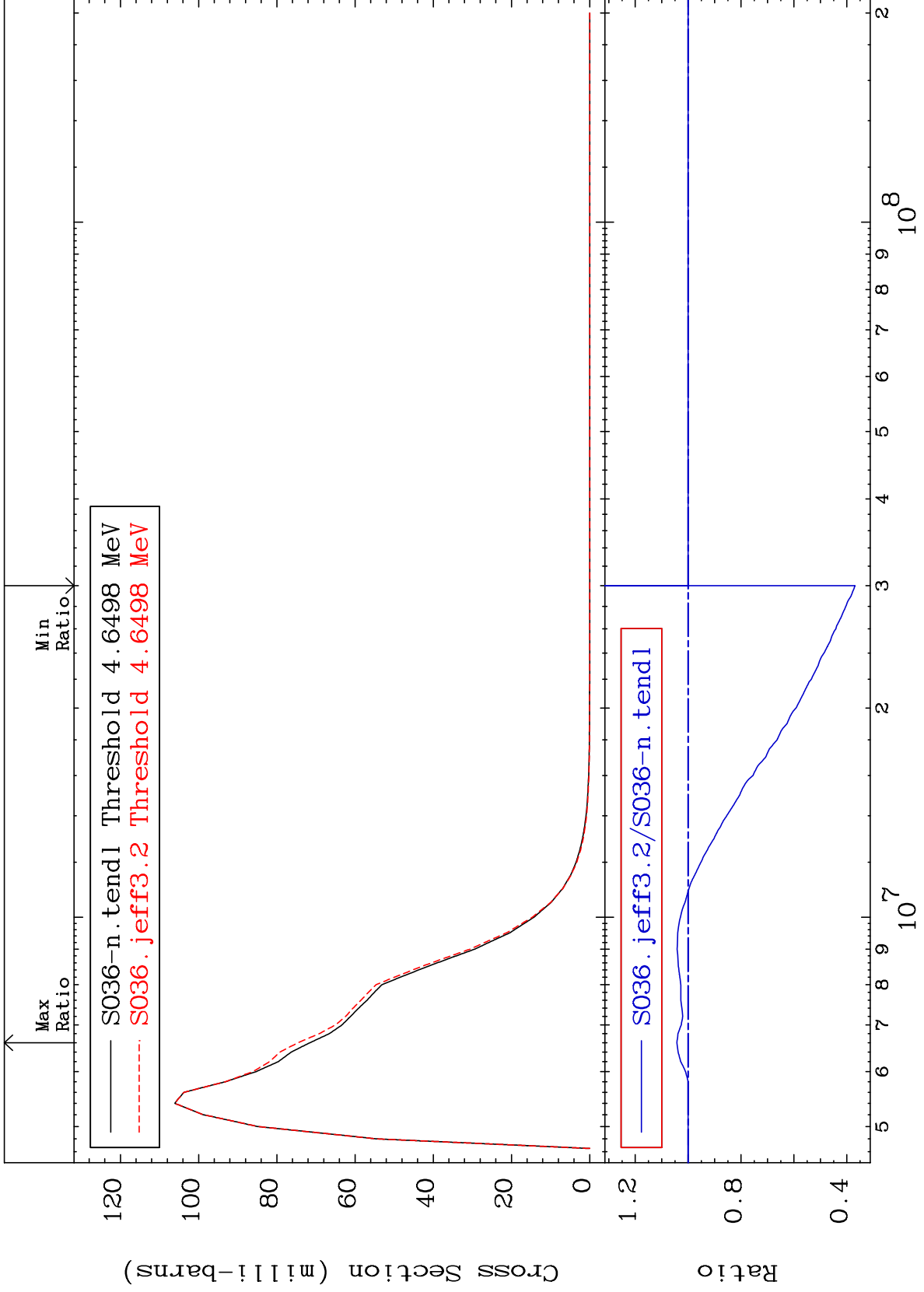
16-S -36  
-1.058 To 6.008 %



MAT 1637

4.523 MeV (n,n') Level  
Cross Section

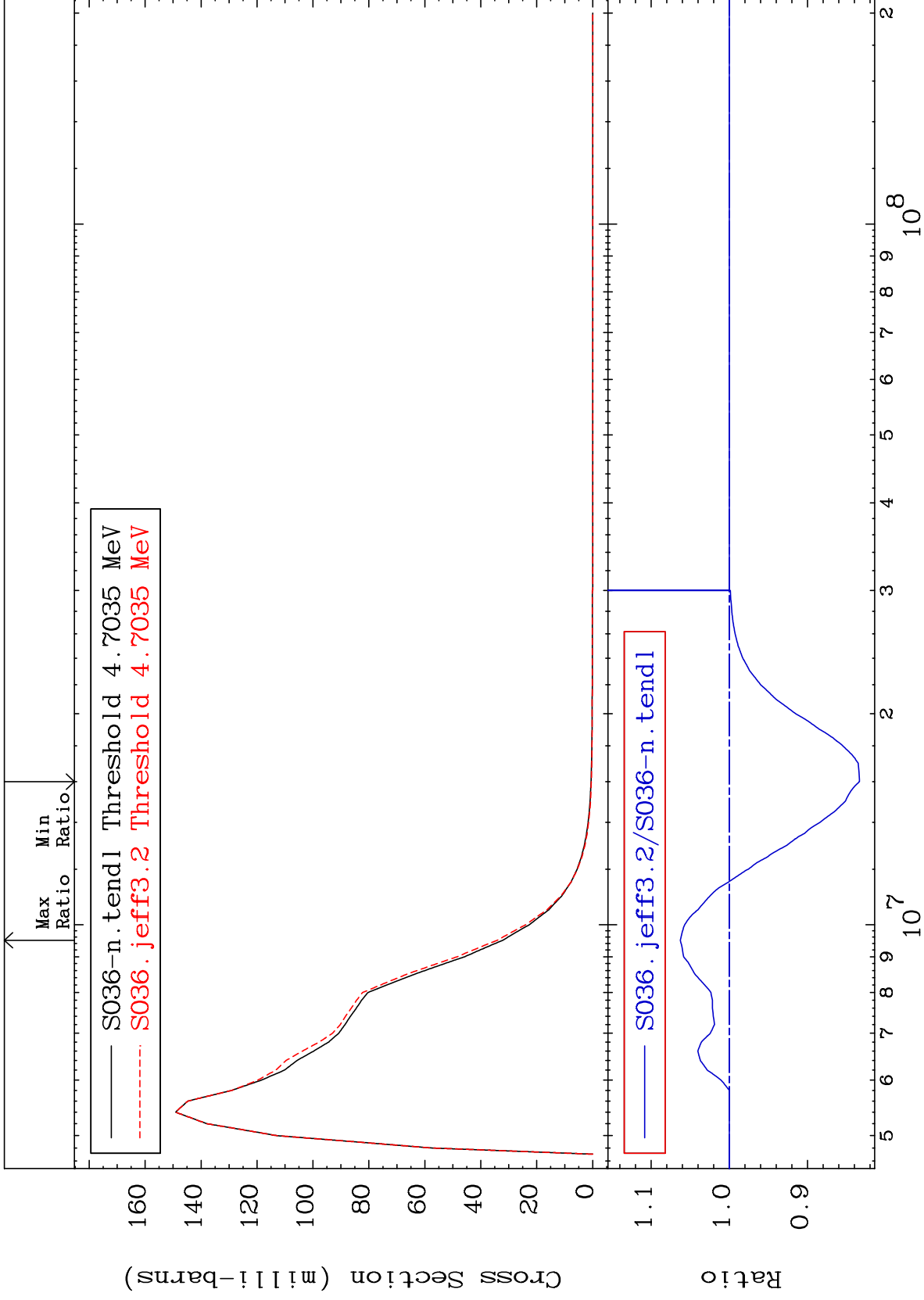
16-S -36  
-63.12 To 4.239 %



MAT 1637

4.575 MeV (n,n') Level  
Cross Section

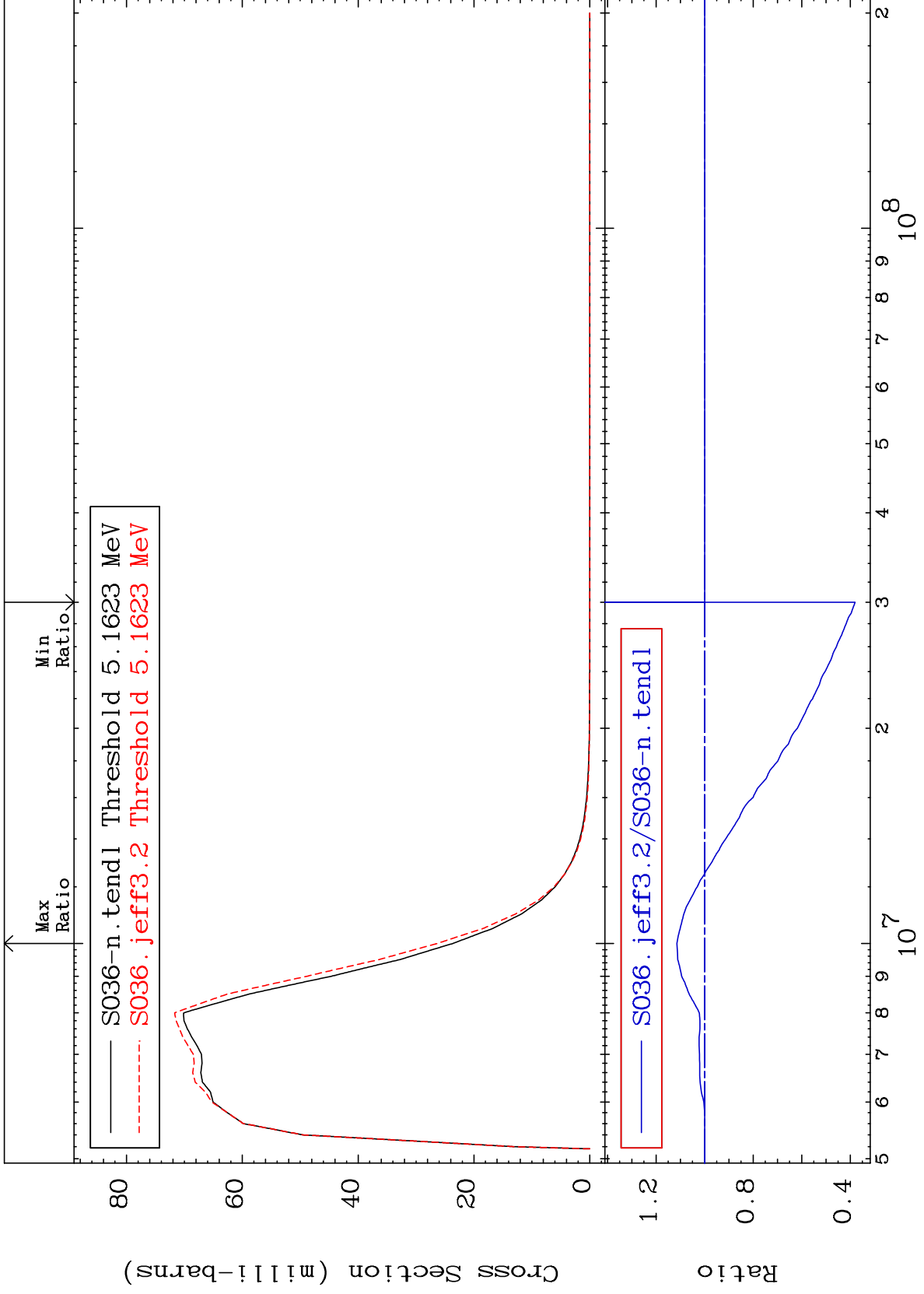
16-S -36  
-16.64 To 6.260 %



MAT 1637

5.022 MeV (n,n') Level  
Cross Section

16-S -36  
-62.00 To 11.40 %



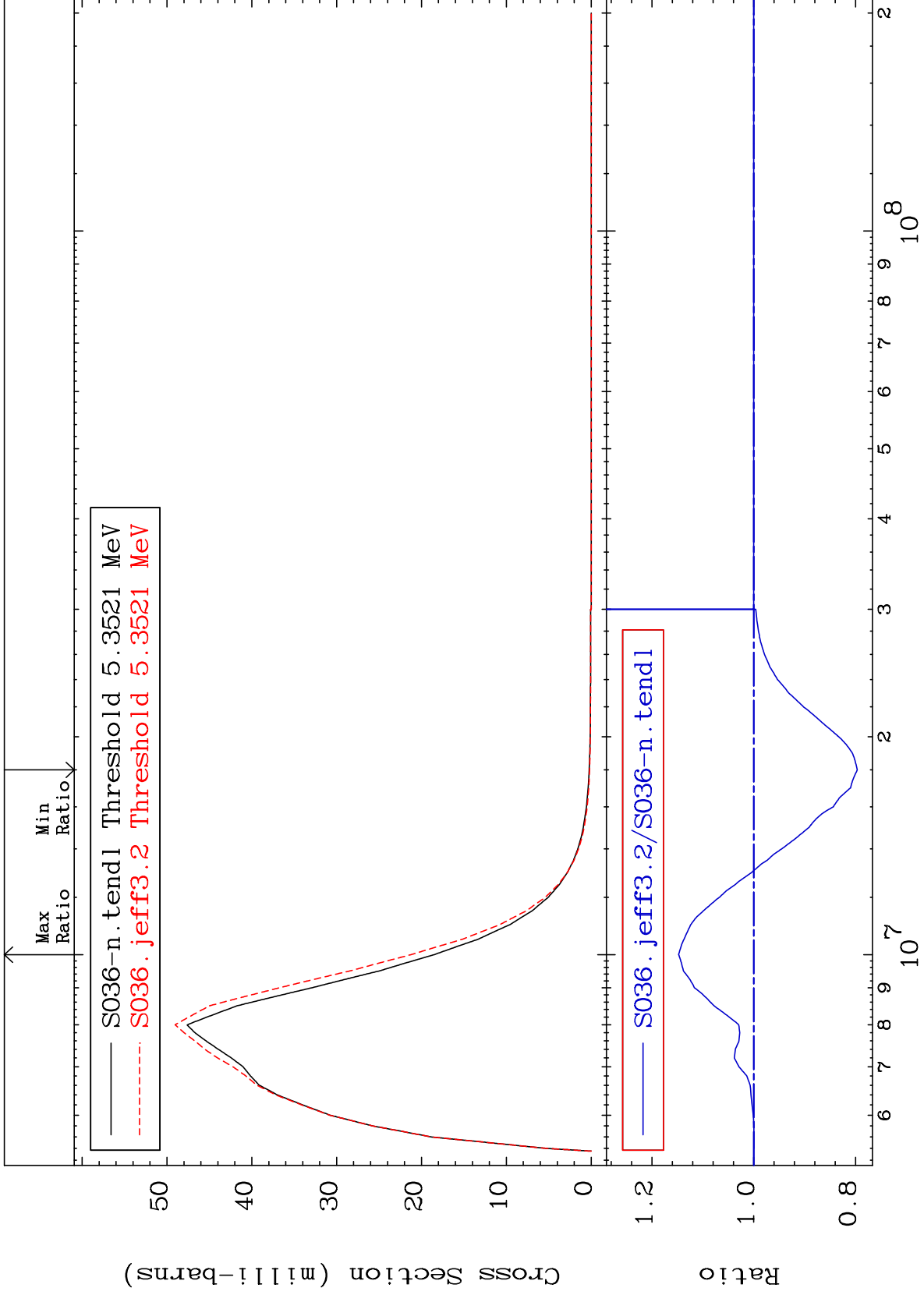
23

16-S -36

MAT 1637

5.206 MeV (n,n') Level  
Cross Section

16-S -36  
-20.32 To 14.75 %

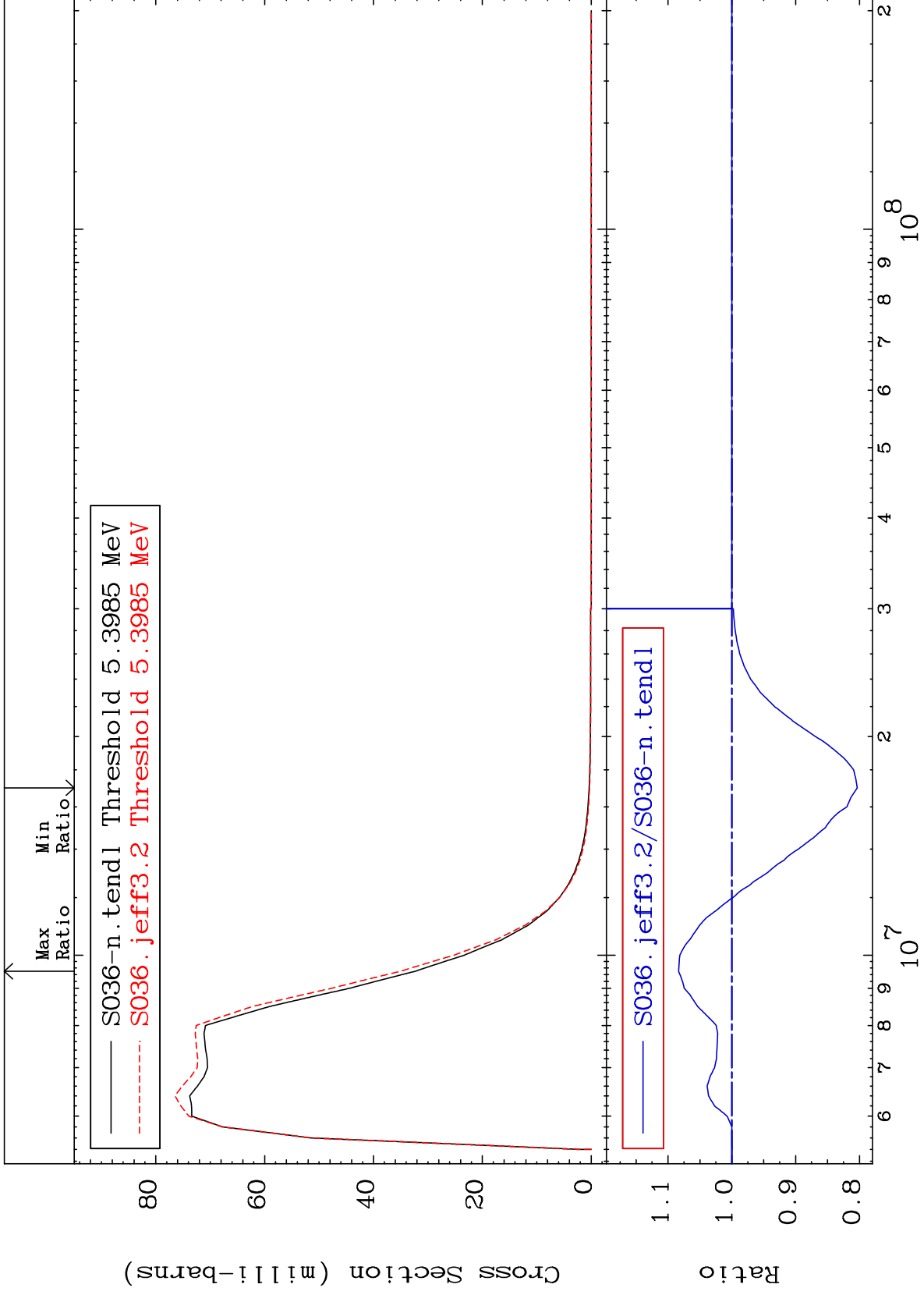




MAT 1637

5.251 MeV (n,n') Level  
Cross Section

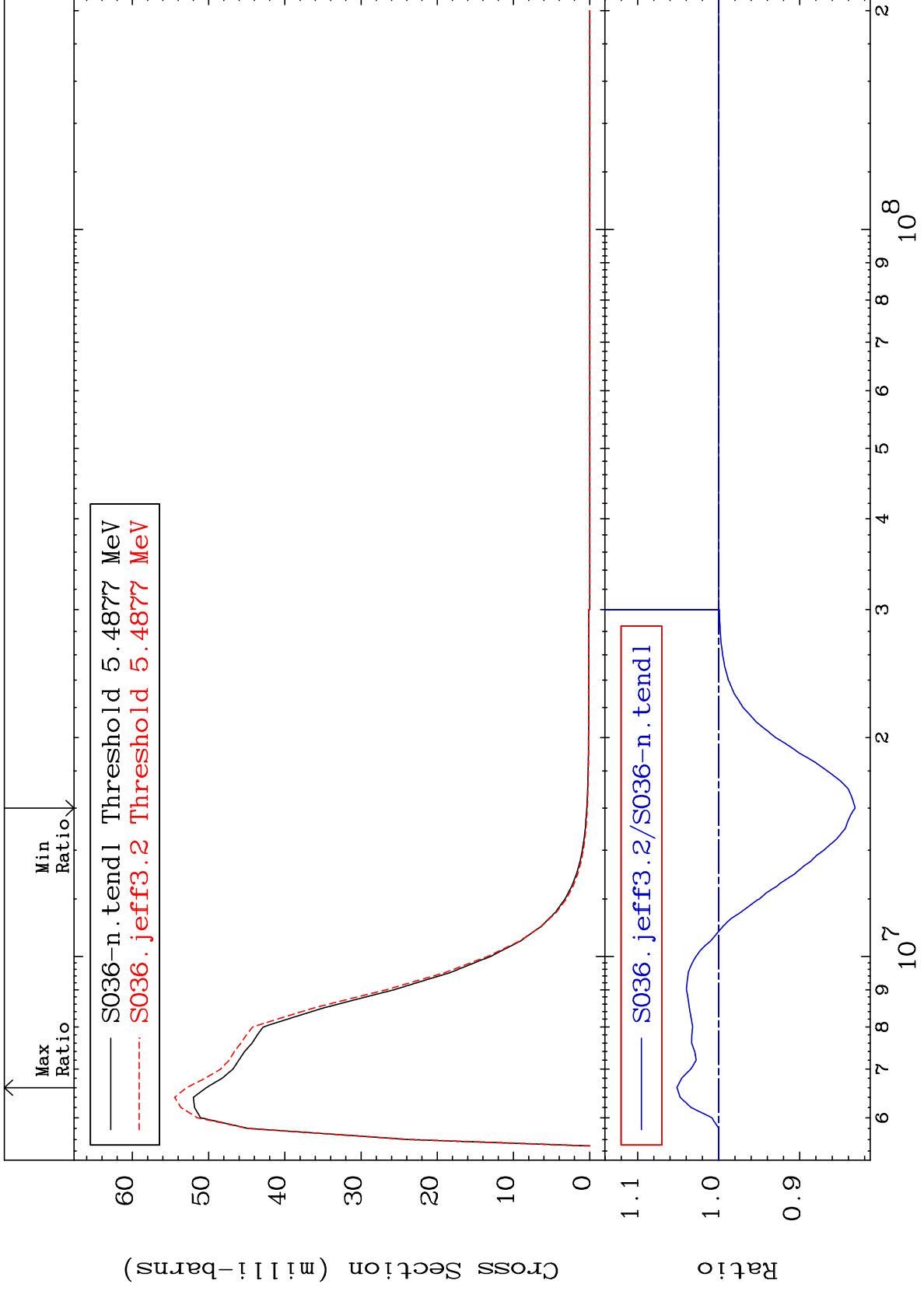
16-S -36  
-19.66 To 8.334 %



MAT 1637

5.338 MeV (n,n') Level  
Cross Section

16-S -36  
-16.82 To 5.147 %



26

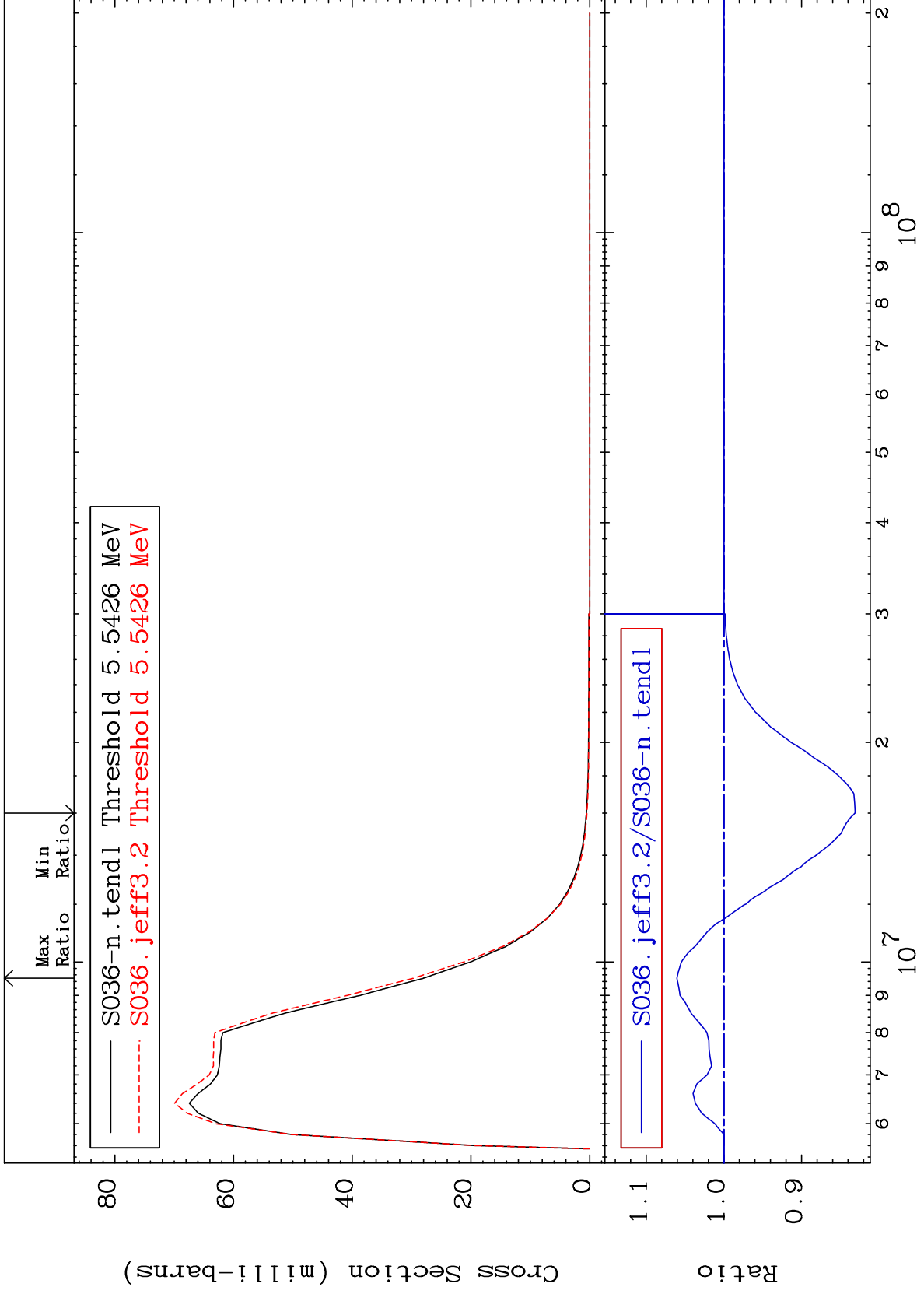
Incident Energy (eV)

16-S -36

MAT 1637

5.391 MeV (n,n') Level  
Cross Section

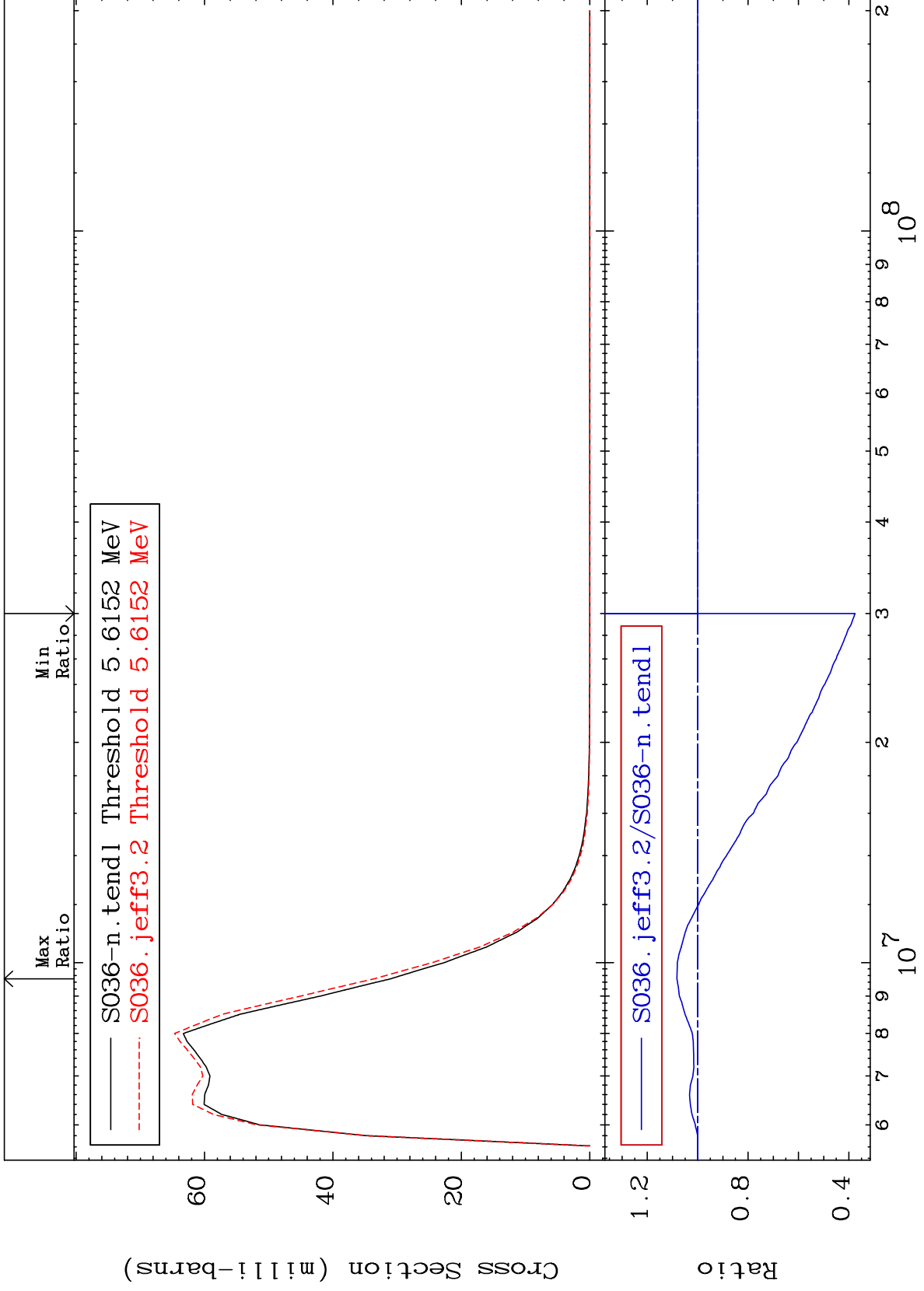
16-S -36  
-16.90 To 6.047 %



MAT 1637

5.462 MeV (n,n') Level  
Cross Section

16-S -36  
-62.47 To 8.240 %



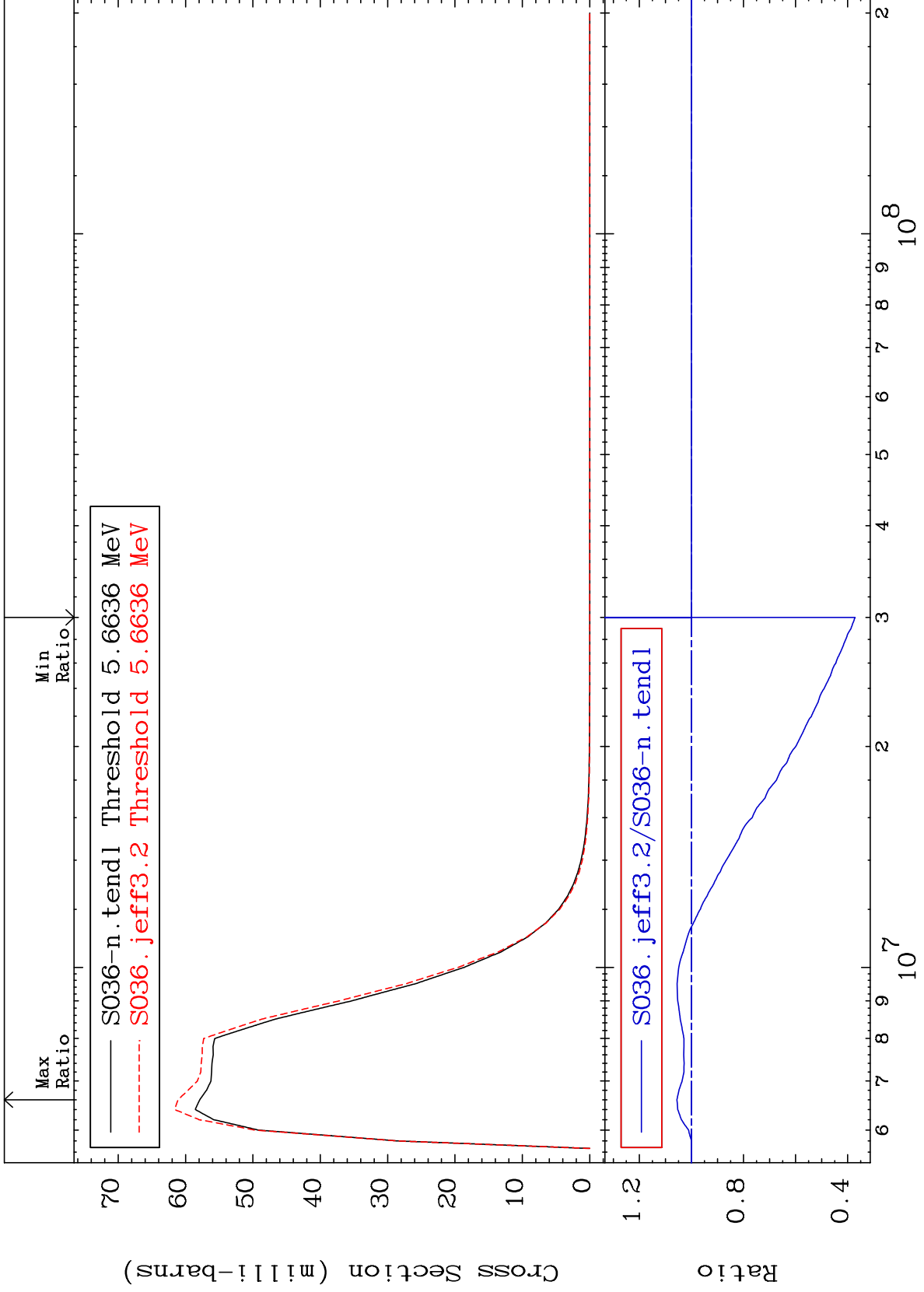
28

16-S -36

MAT 1637

5.509 MeV (n,n') Level  
Cross Section

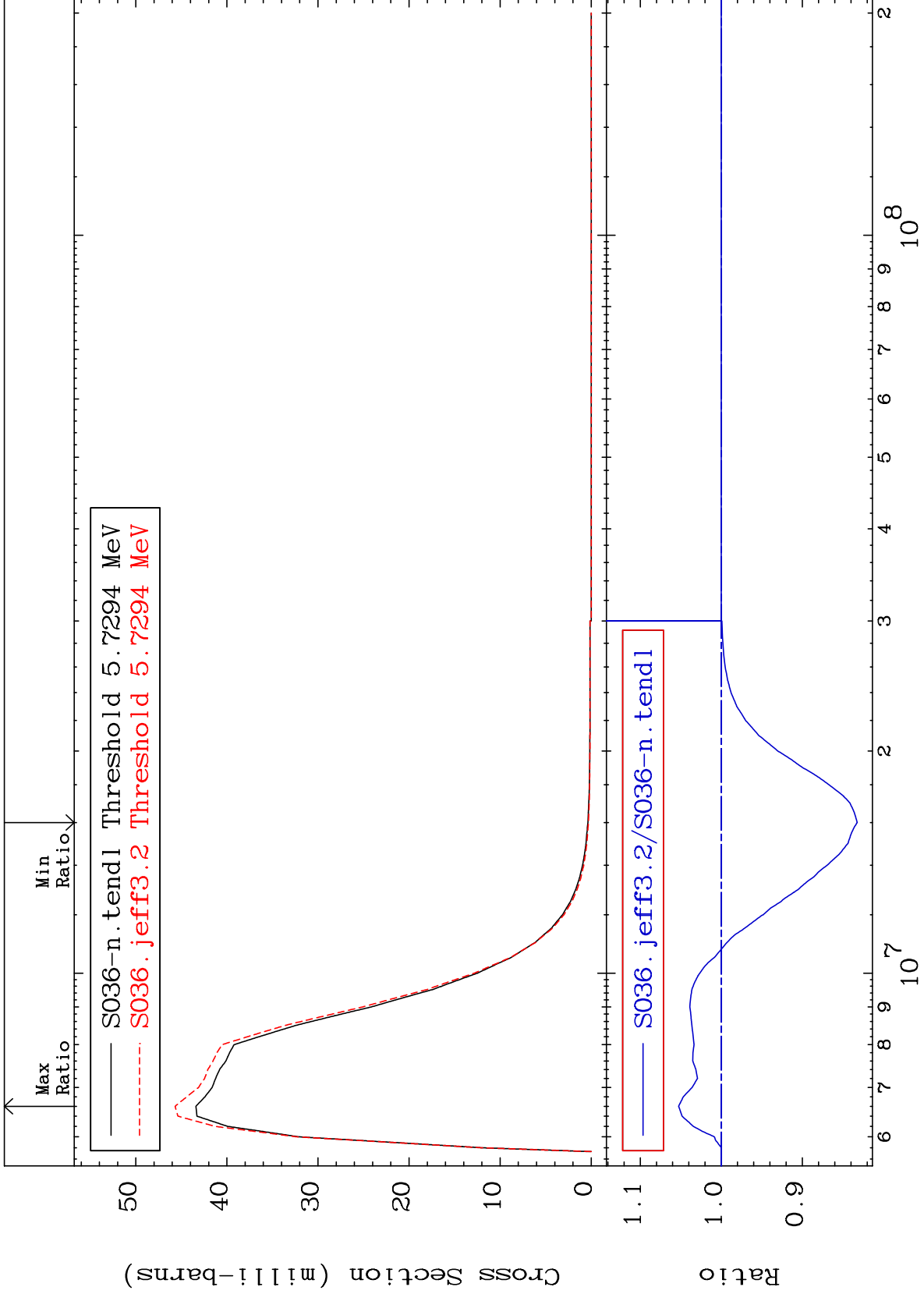
16-S -36  
-62.84 To 5.581 %



MAT 1637

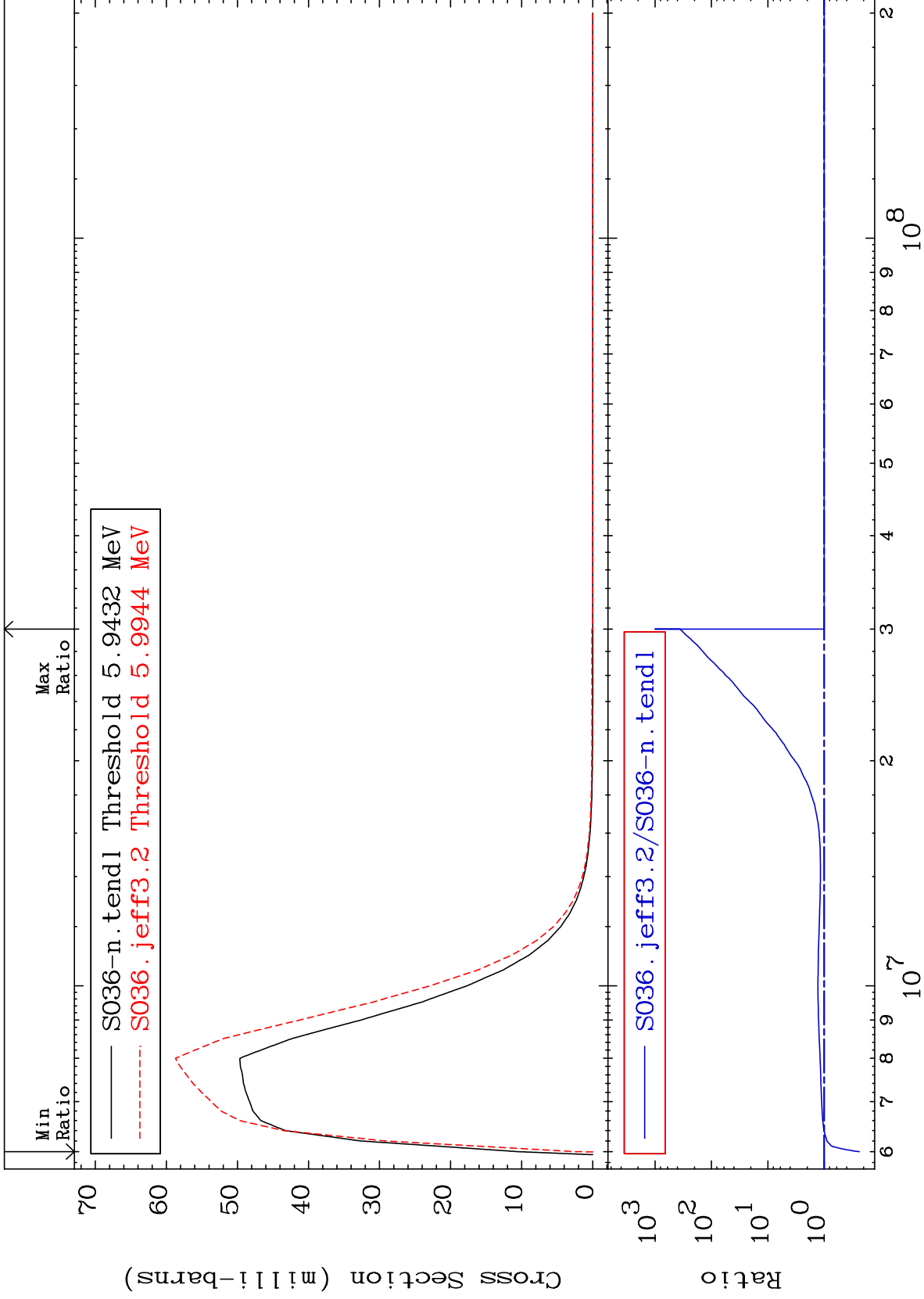
5.573 MeV (n,n') Level  
Cross Section

16-S -36  
-16.77 To 5.263 %



30

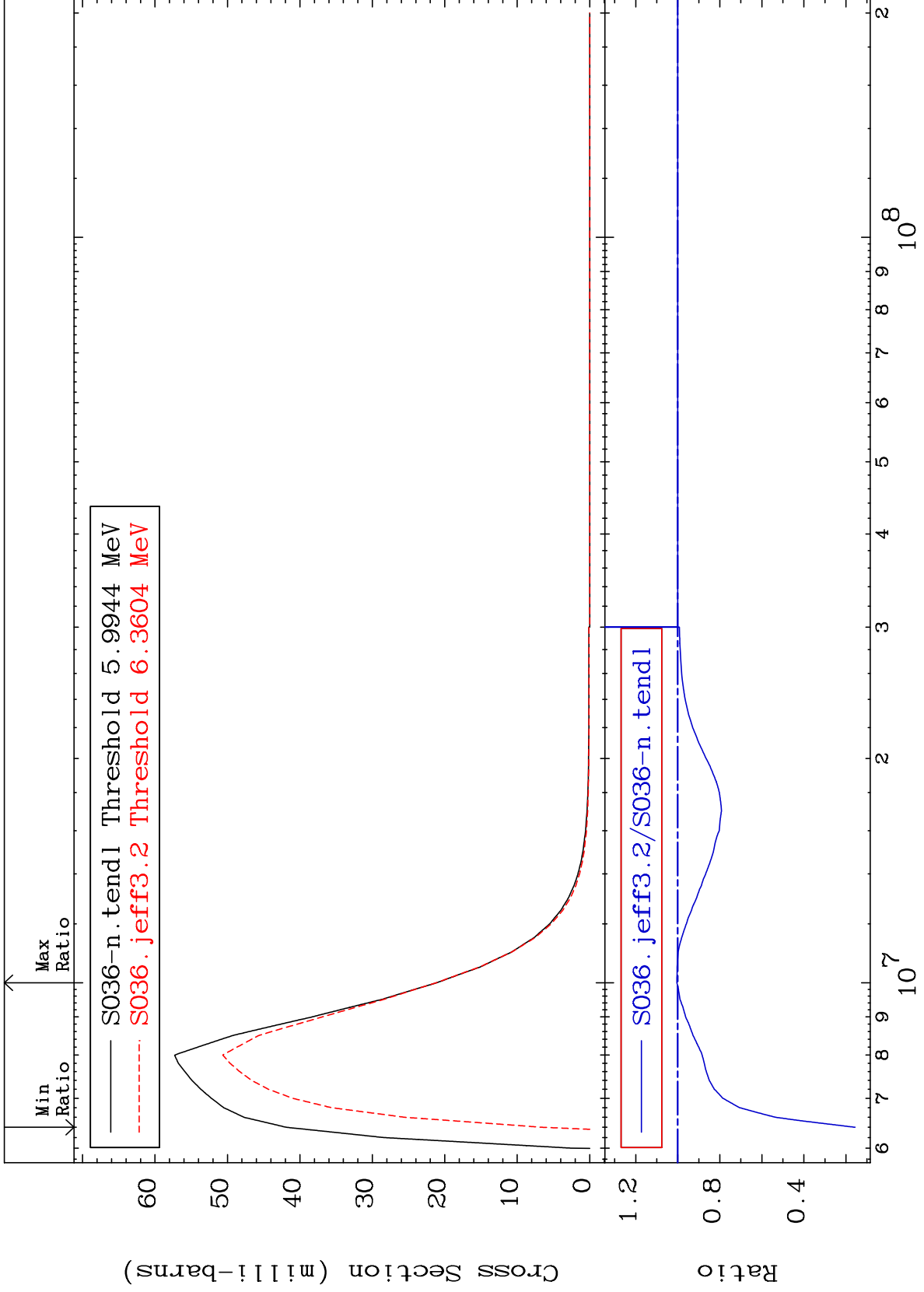
16-S -36



MAT 1637

5.831 MeV (n,n') Level  
Cross Section

16-S -36  
-84.35 To 0.412 %



32

Incident Energy (eV)

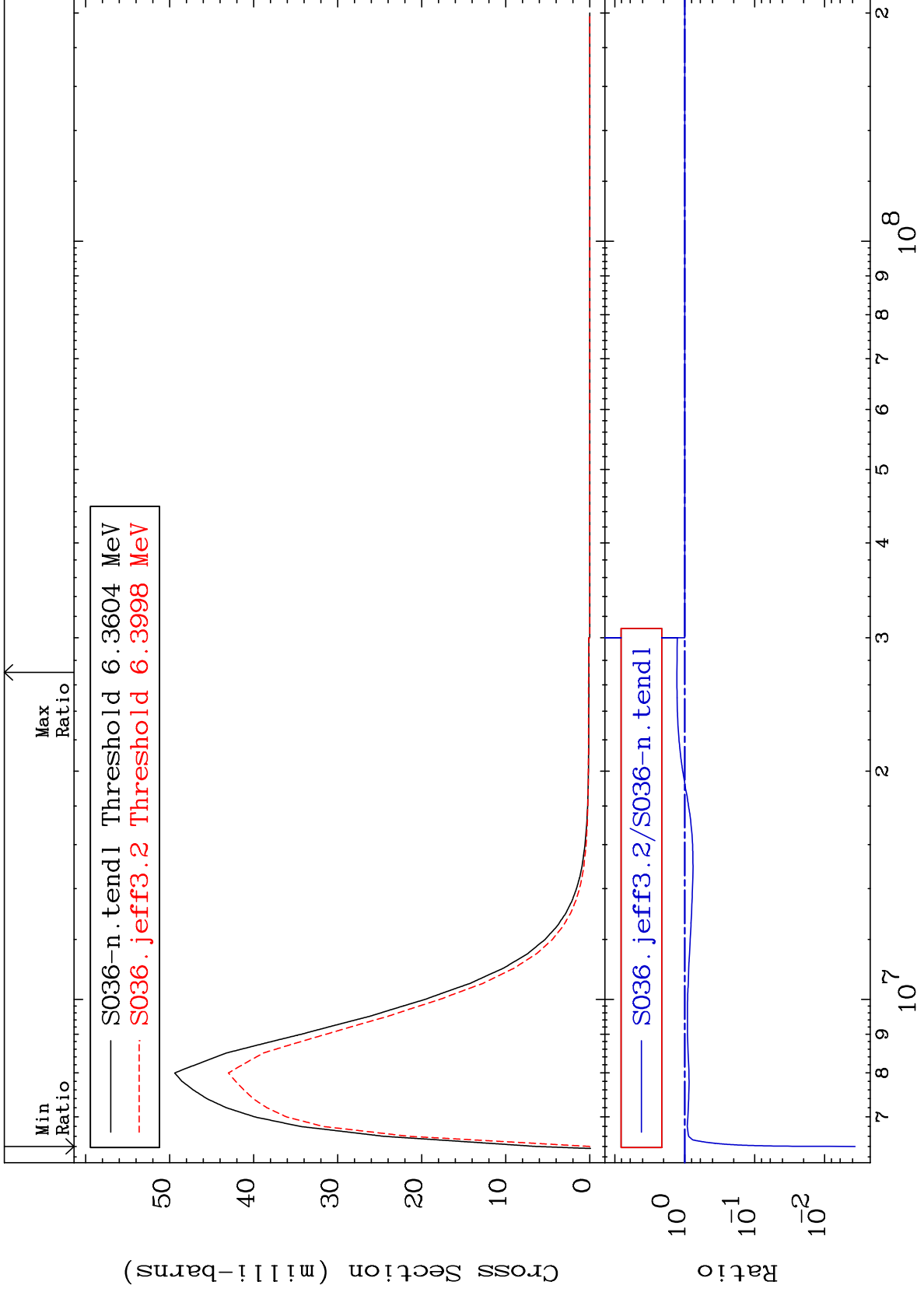
16-S -36



MAT 1637

6.187 MeV (n,n') Level  
Cross Section

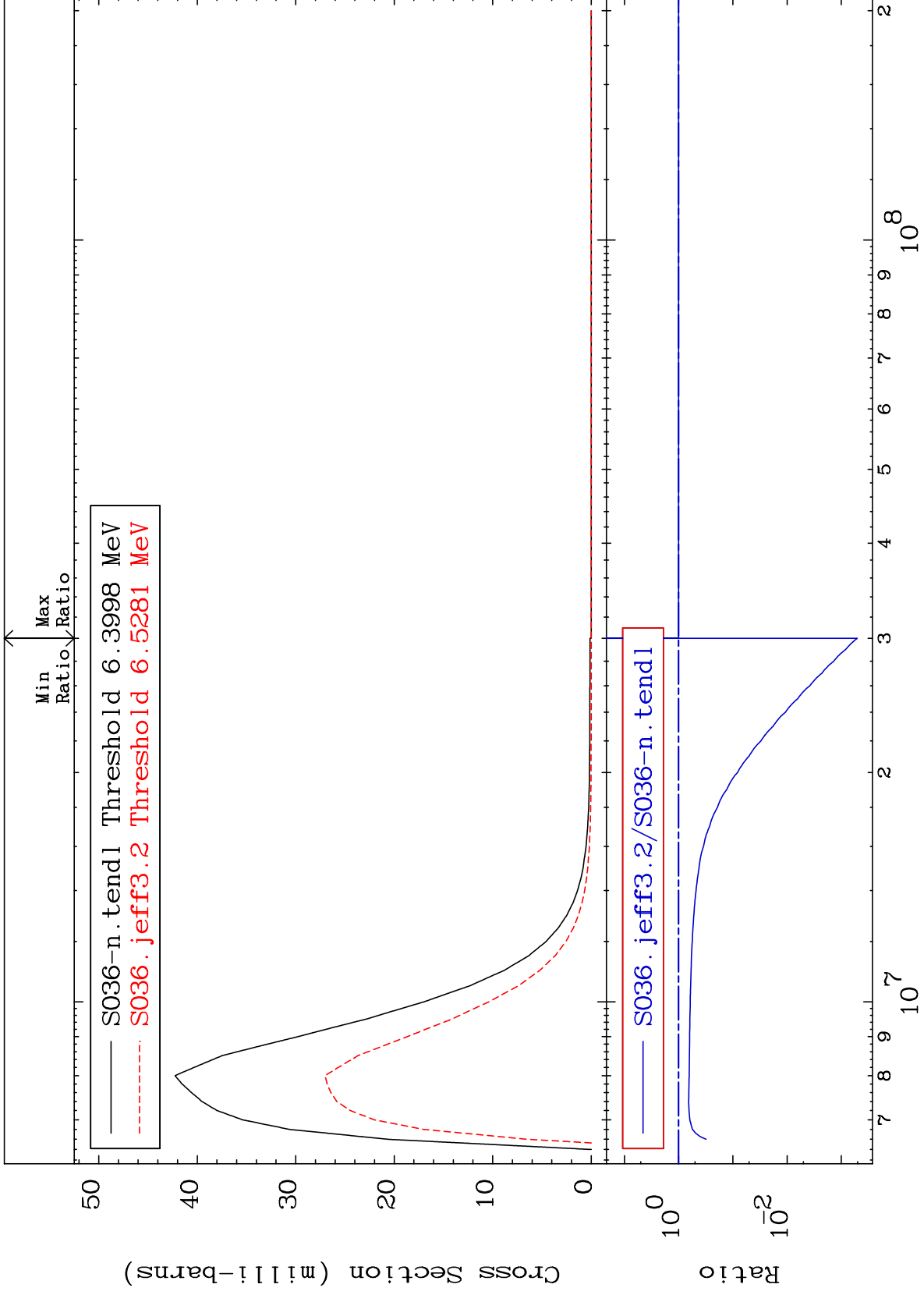
16-S -36  
-99.63 To 29.38 %



MAT 1637

6.225 MeV (n,n') Level  
Cross Section

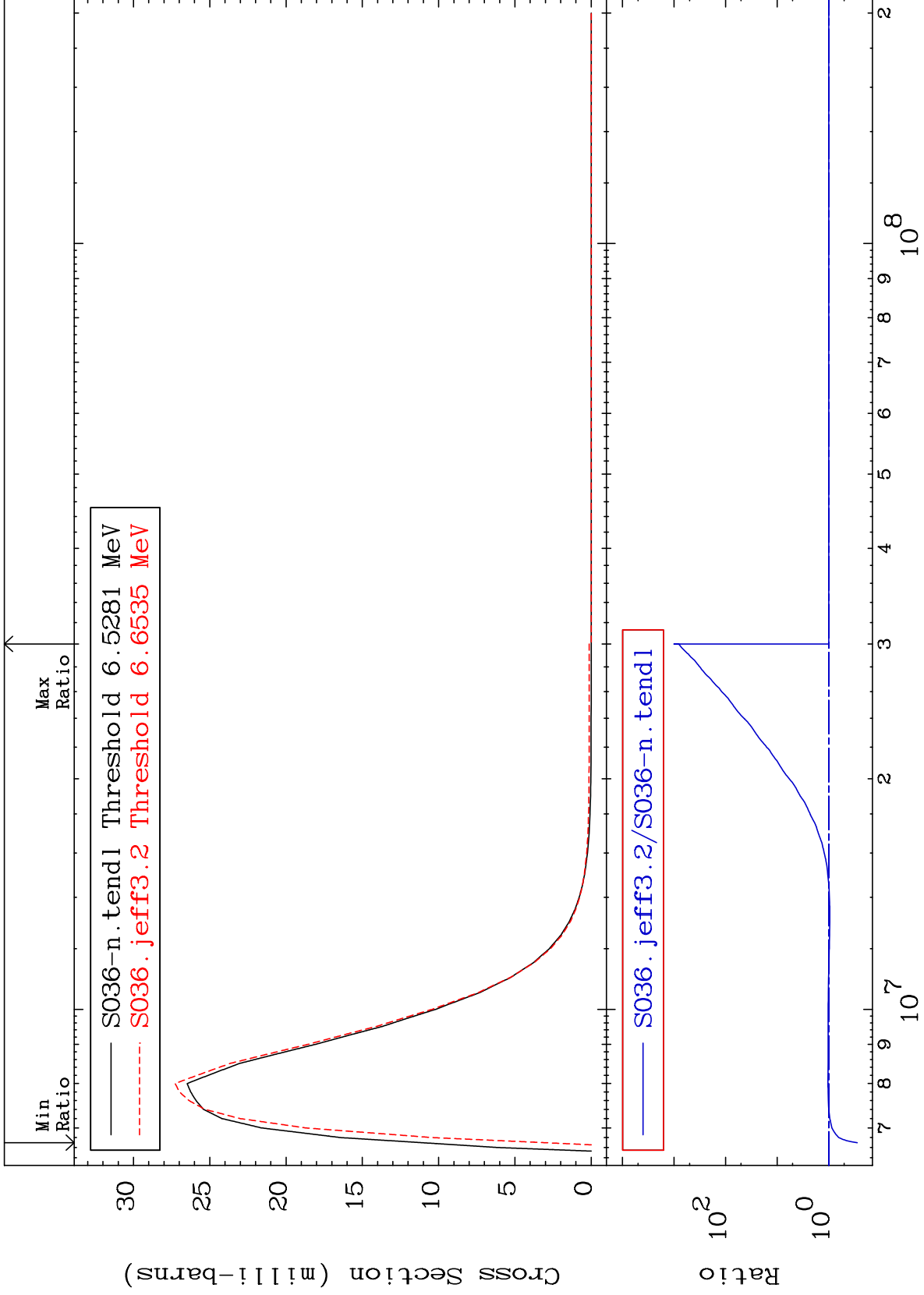
16-S -36  
-99.95 To 0.000 %



MAT 1637

6.350 MeV (n,n') Level  
Cross Section

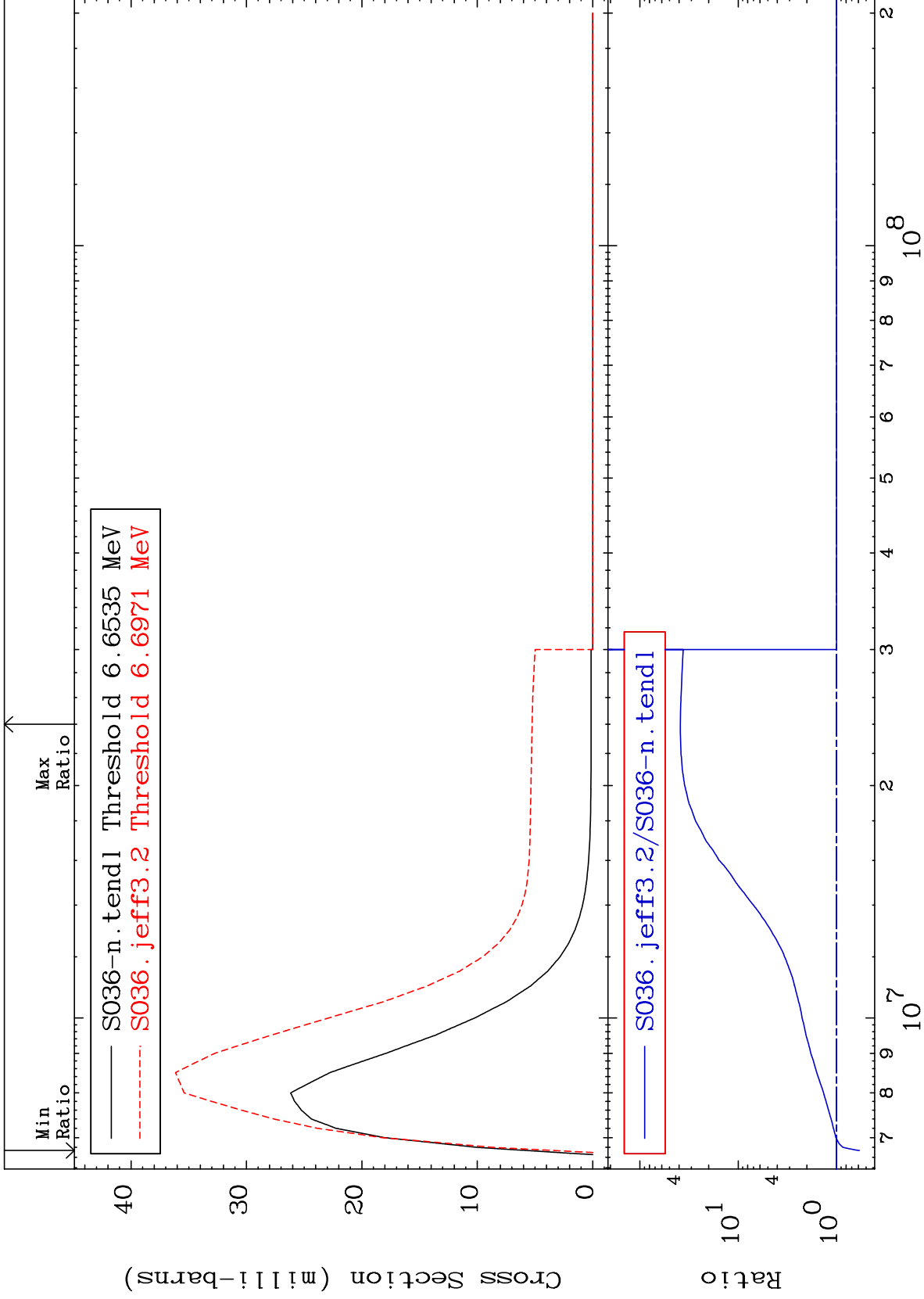
16-S -36  
-72.11 To 9999. %



35

Incident Energy (eV)

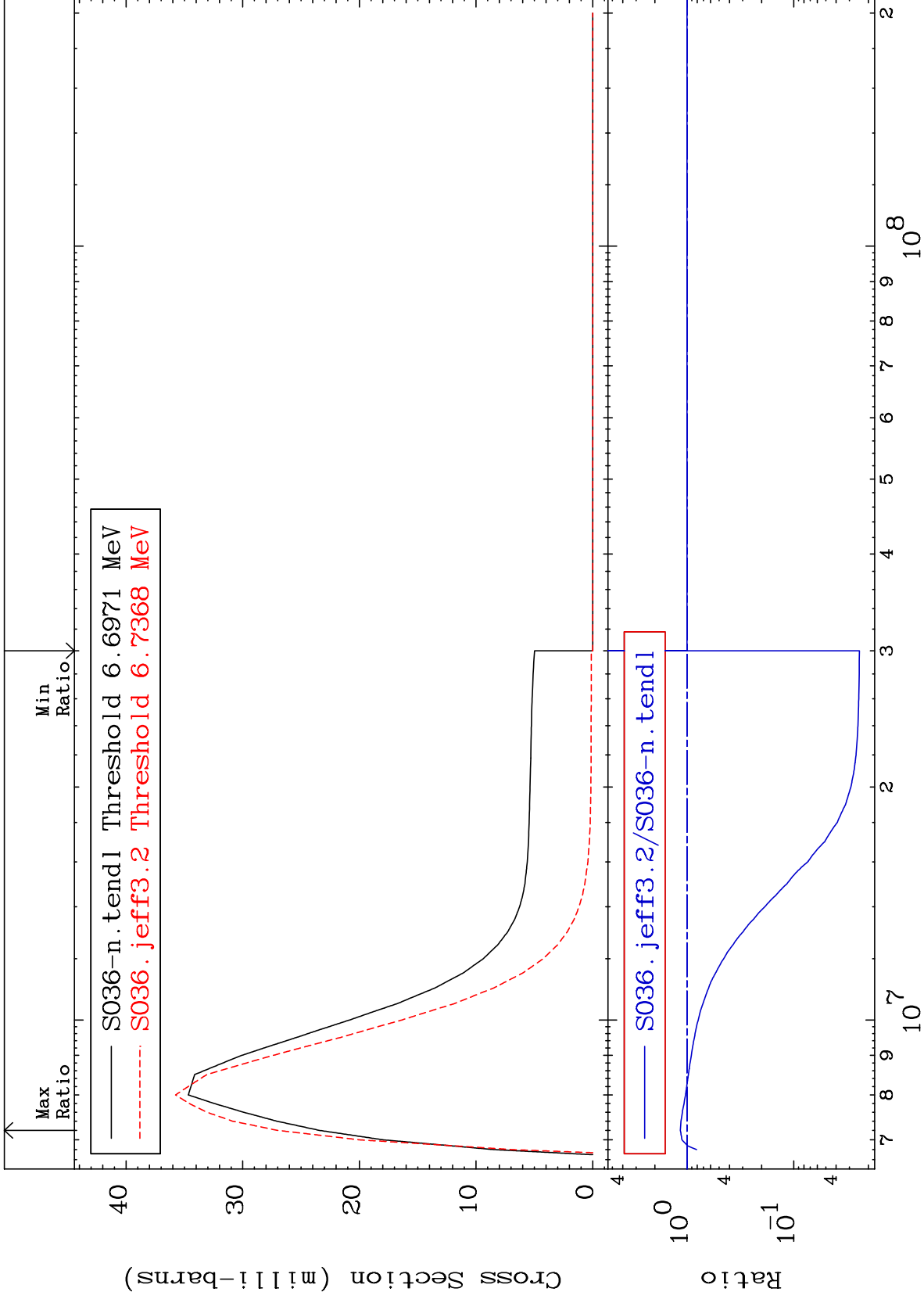
16-S -36



MAT 1637

6.514 MeV (n,n') Level  
Cross Section

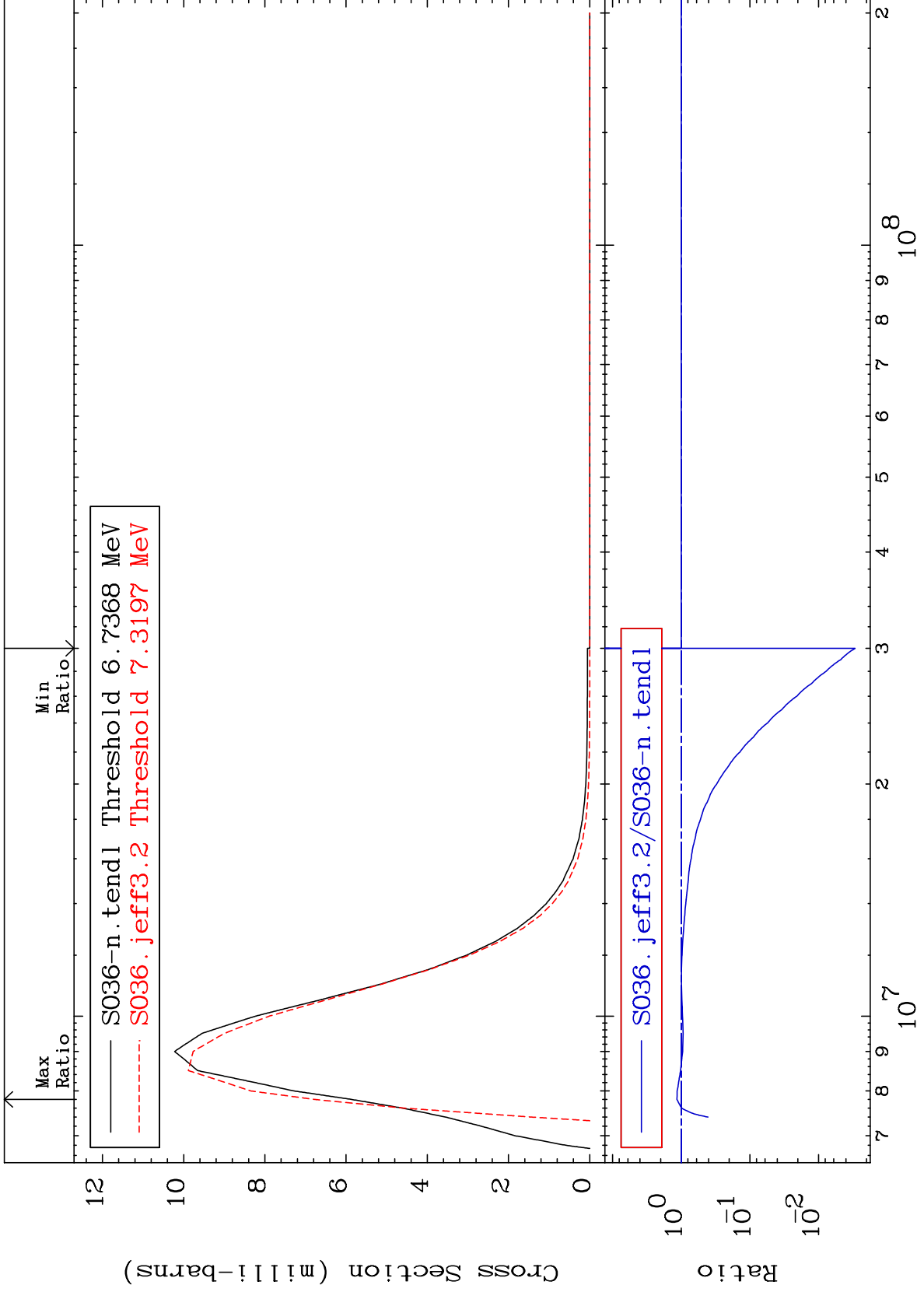
16-S -36  
-97.58 To 15.27 %



MAT 1637

6.553 MeV (n,n') Level  
Cross Section

16-S -36  
-99.71 To 15.66 %



38

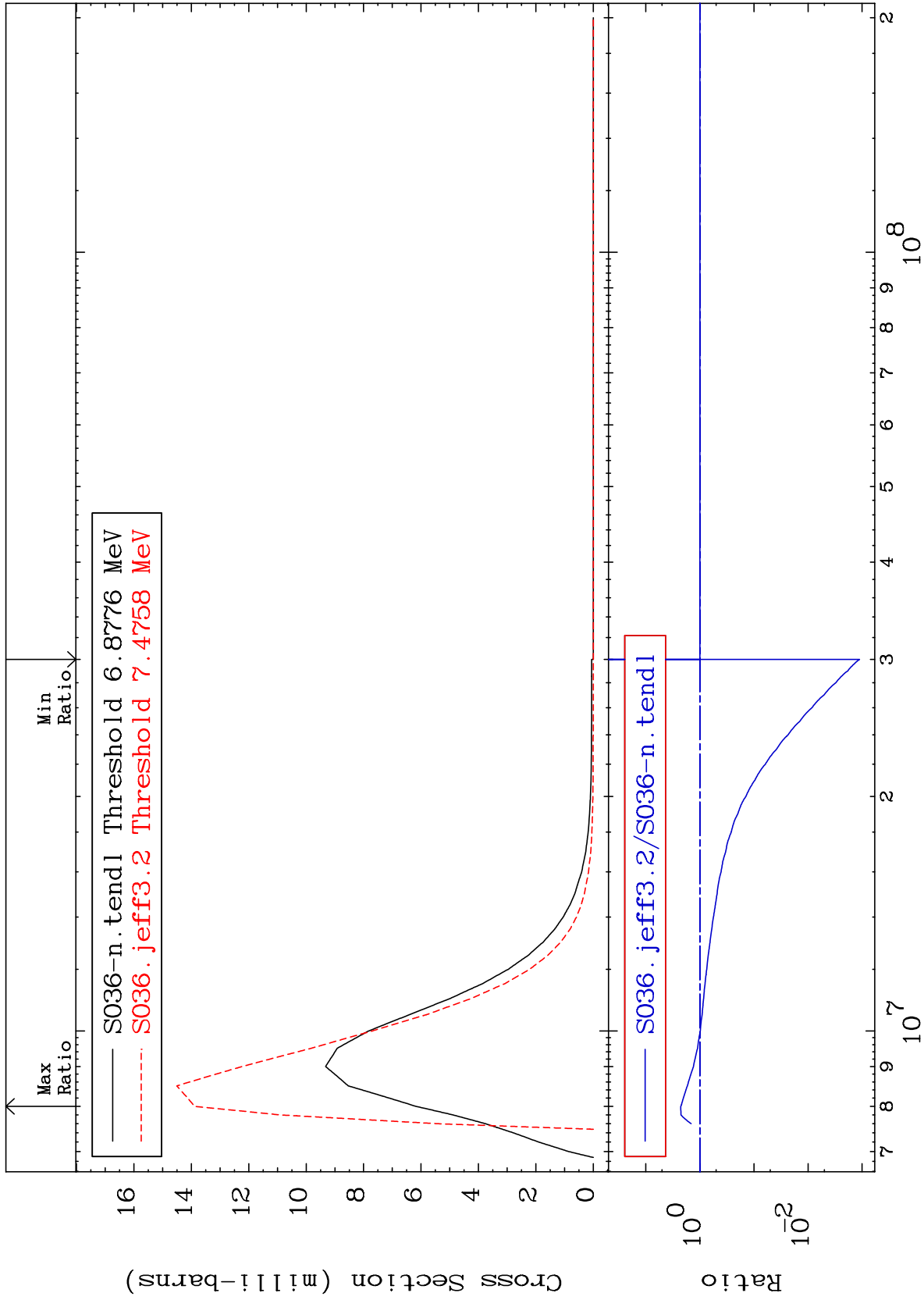
Incident Energy (eV)

16-S -36

MAT 1637

6.690 MeV (n,n') Level  
Cross Section

16-S -36  
-99.89 To 124.9 %



39

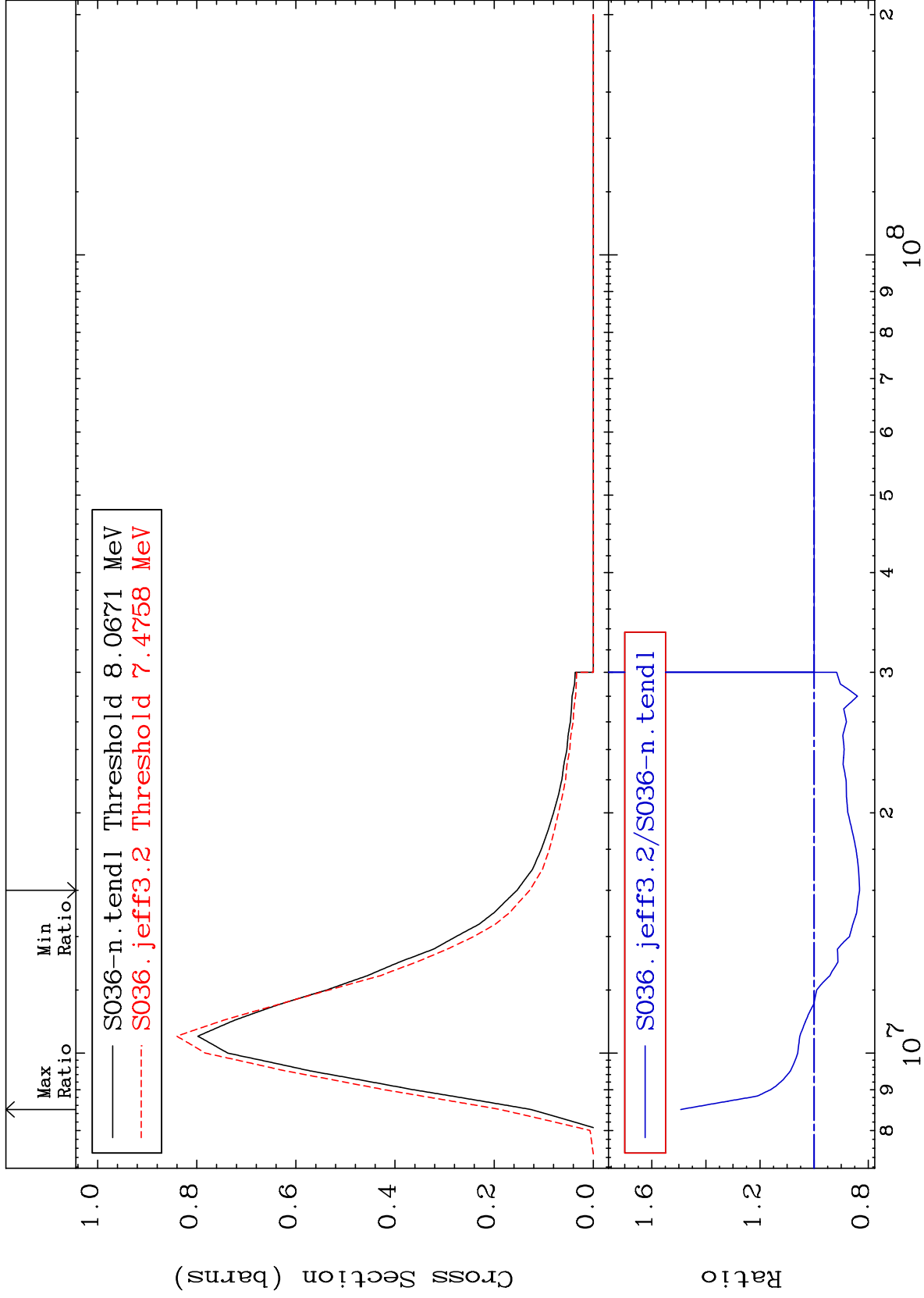
Incident Energy (eV)

16-S -36

MAT 1637

(n, n') Continuum  
Cross Section

16-S -36  
-16.74 To 49.32 %



40

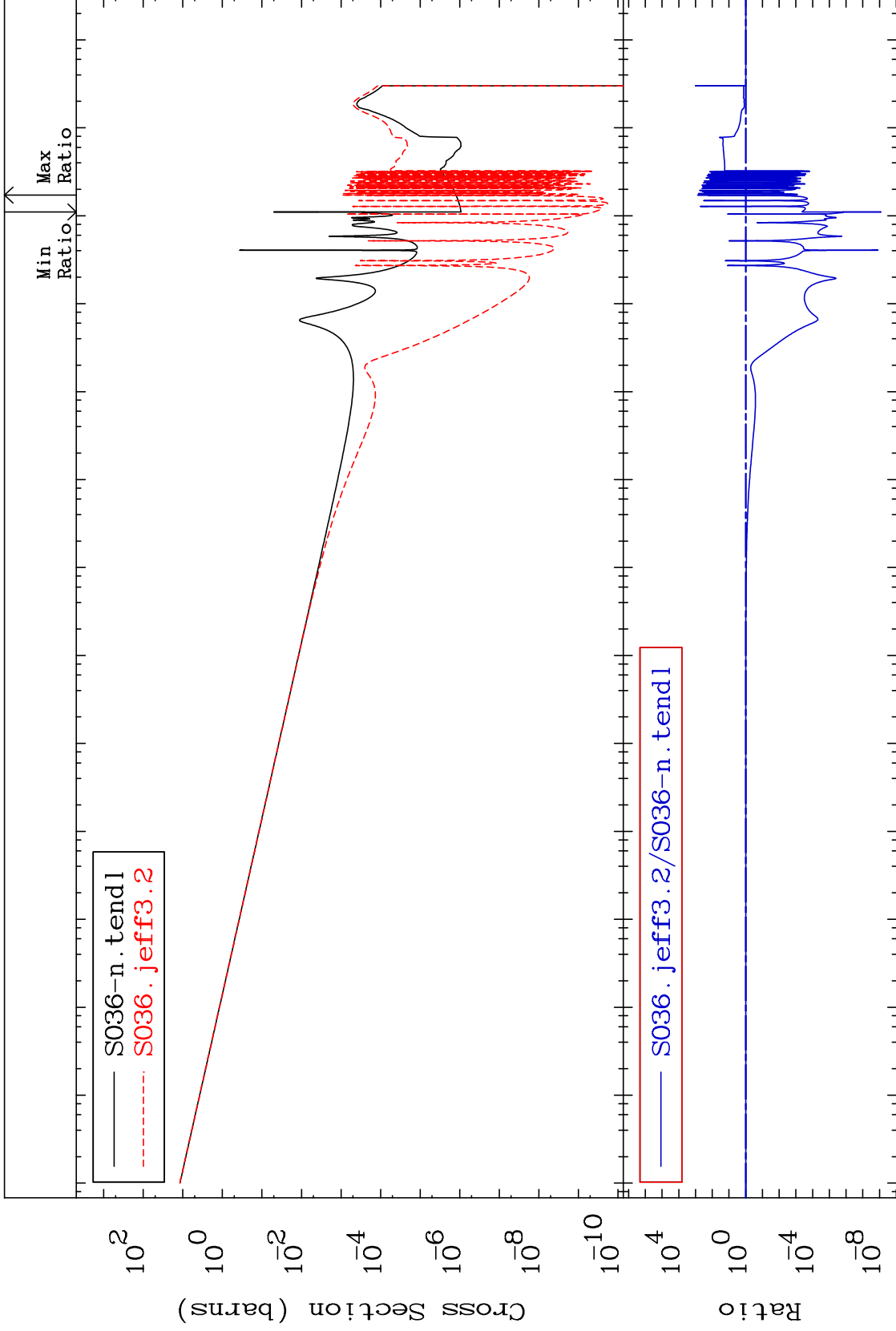
Incident Energy (eV)

16-S -36



Cross Section

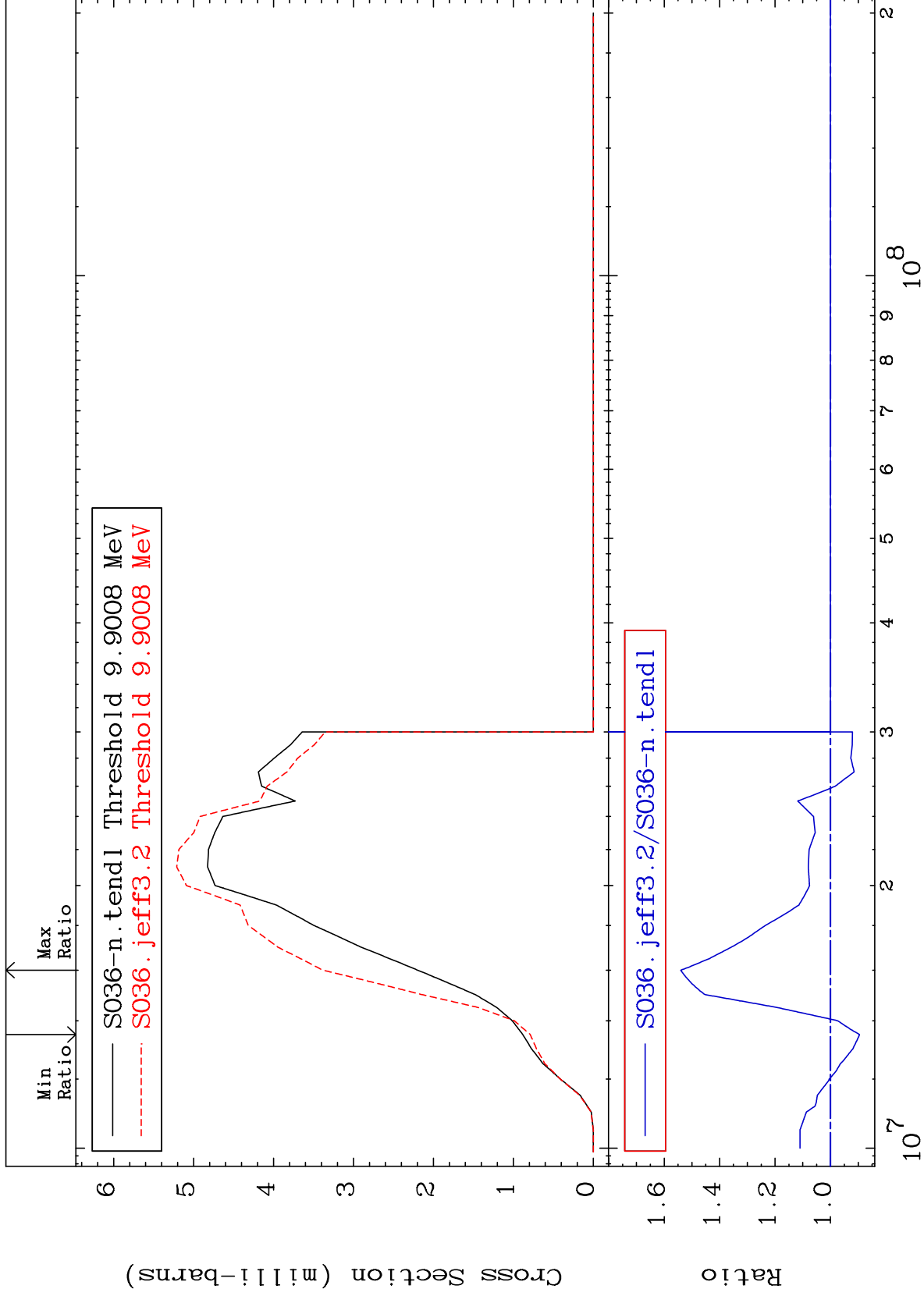
-100.0 To 9999. %



MAT 1637

(n,p)  
Cross Section

16-S -36  
-10.48 To 54.02 %



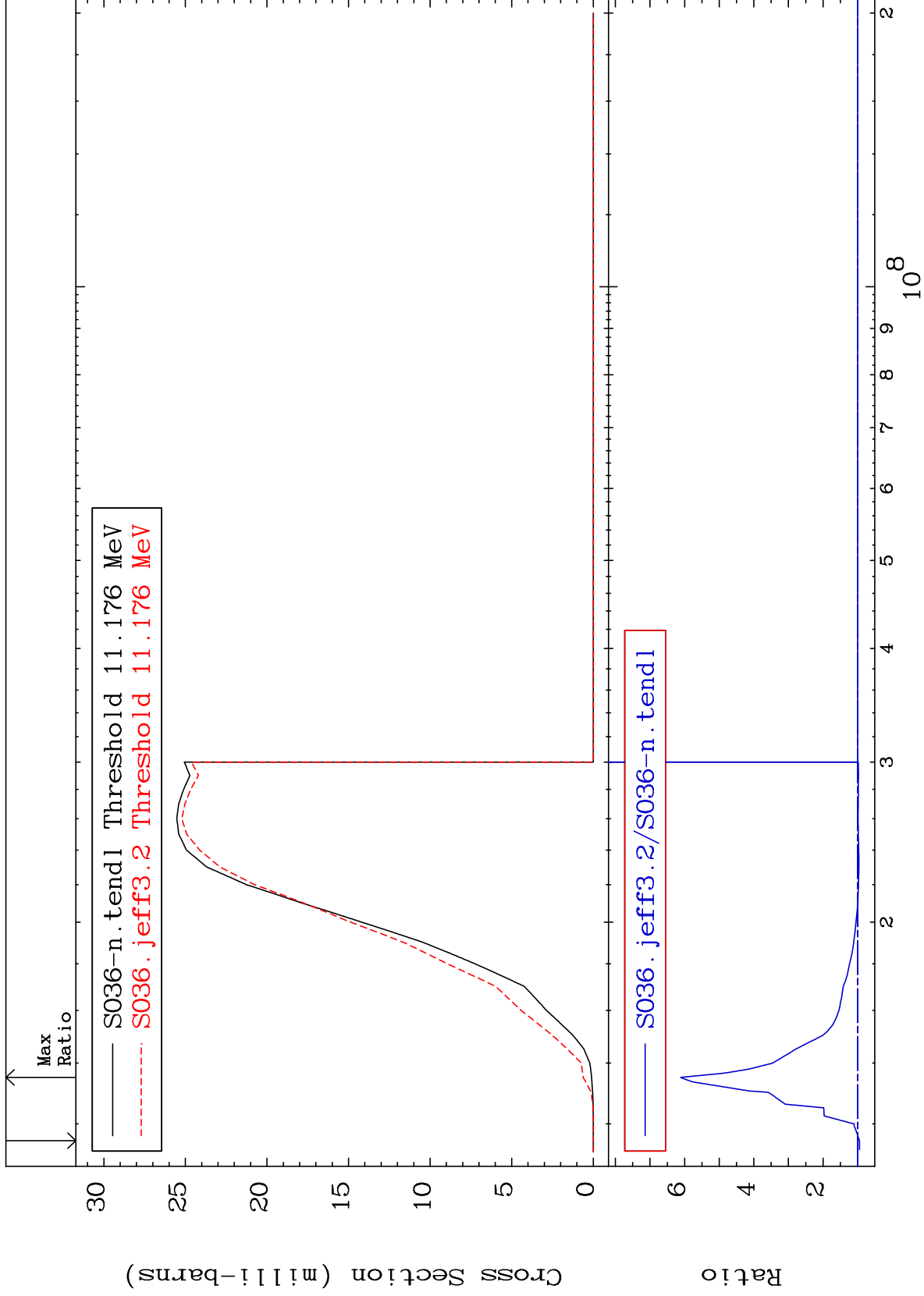
42

16-S -36

MAT 1637

(n, d)  
Cross Section

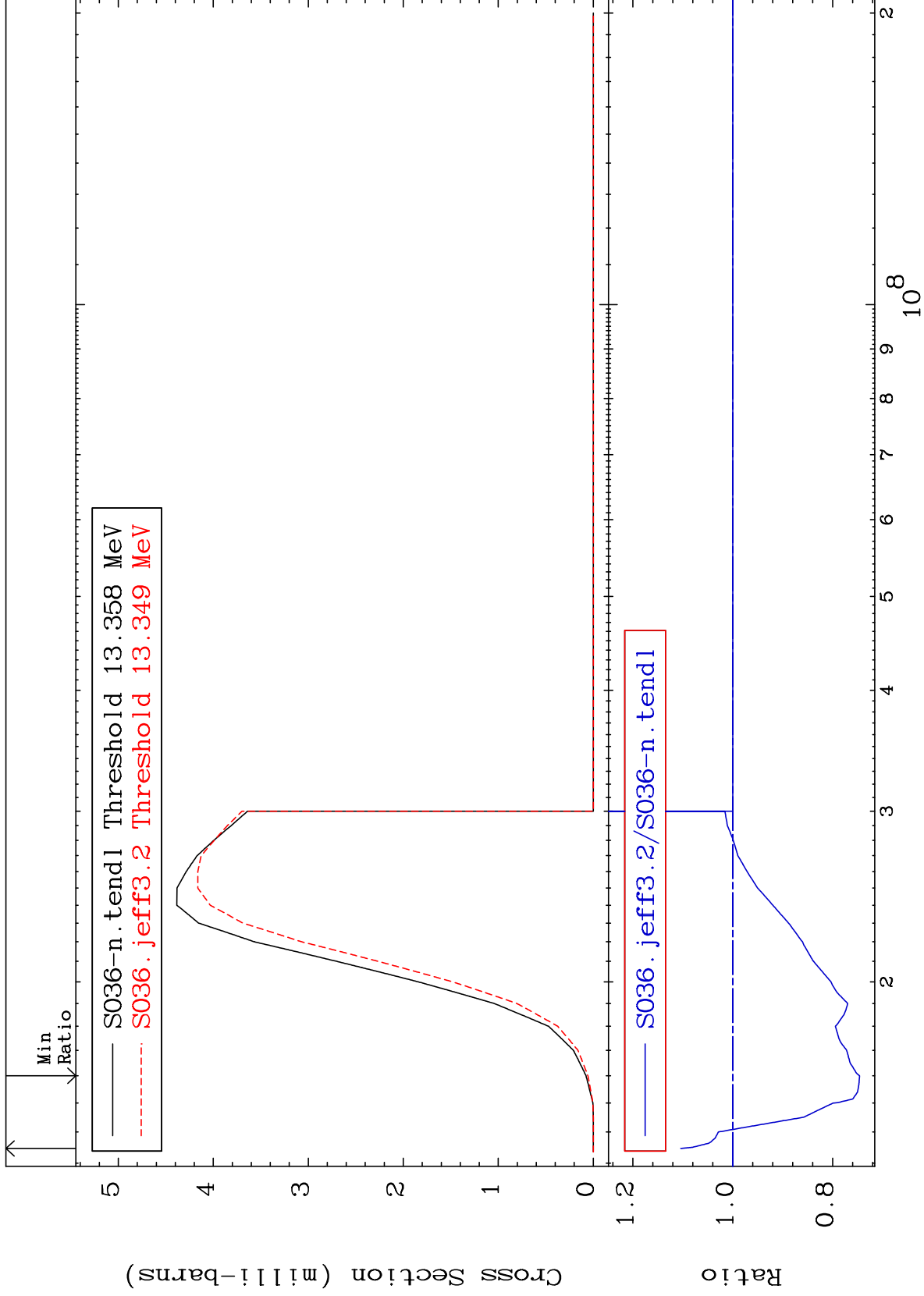
16-S -36  
-5.414 To 511.1 %

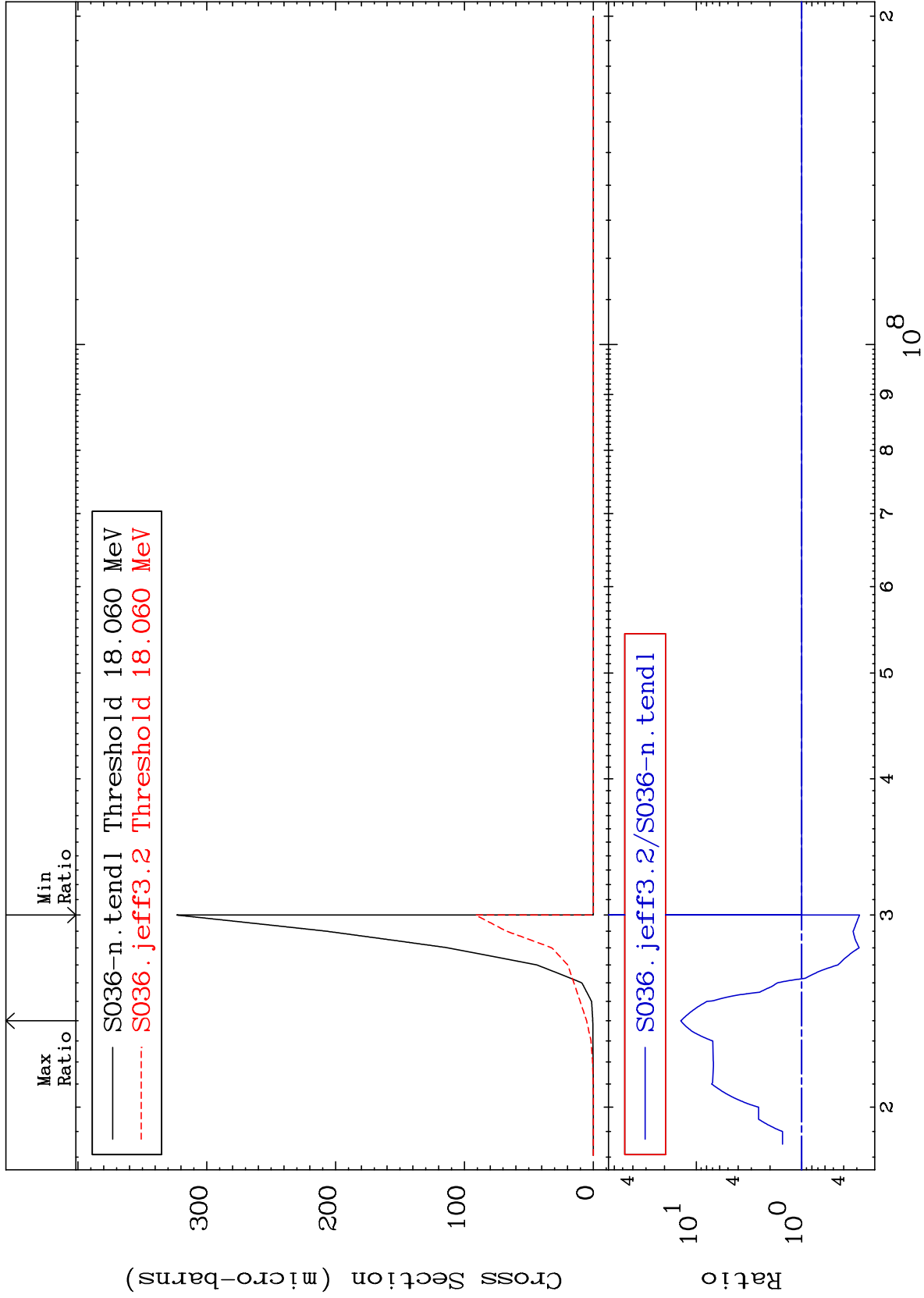


MAT 1637

(n, t)  
Cross Section

16-S -36  
-25.39 To 10.40 %





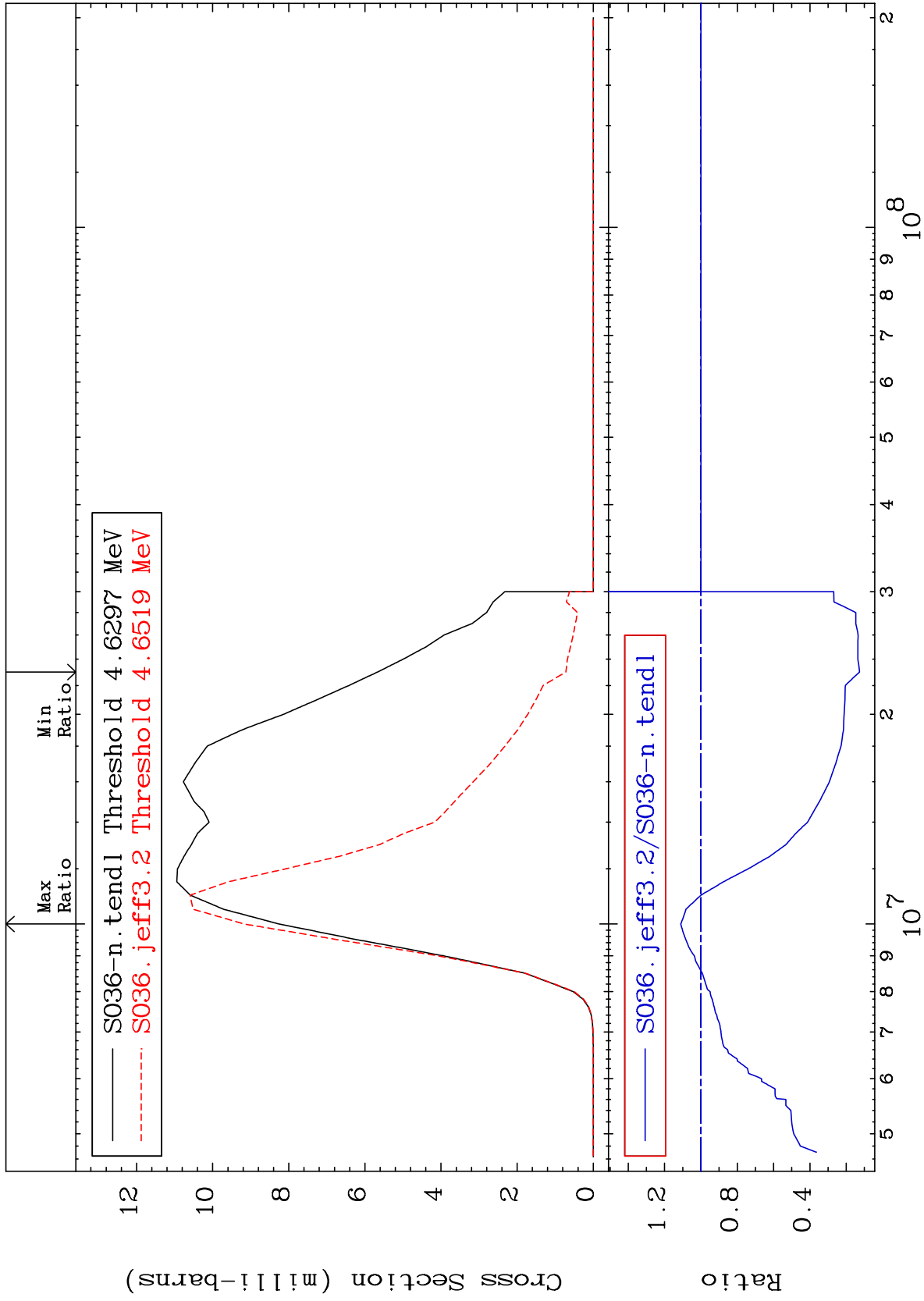
MAT 1637

(n,  $\alpha$ )

16-S -36

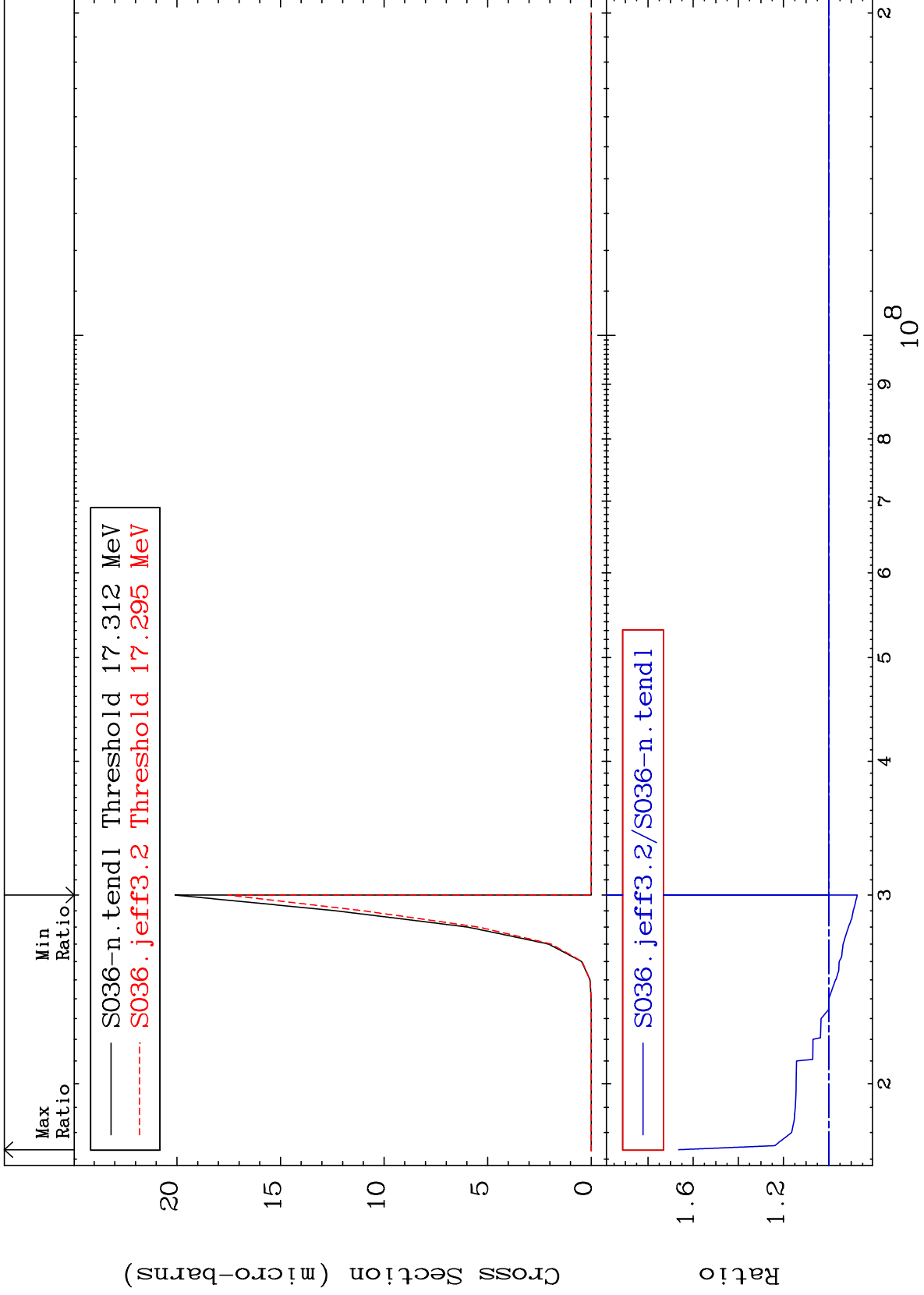
Cross Section

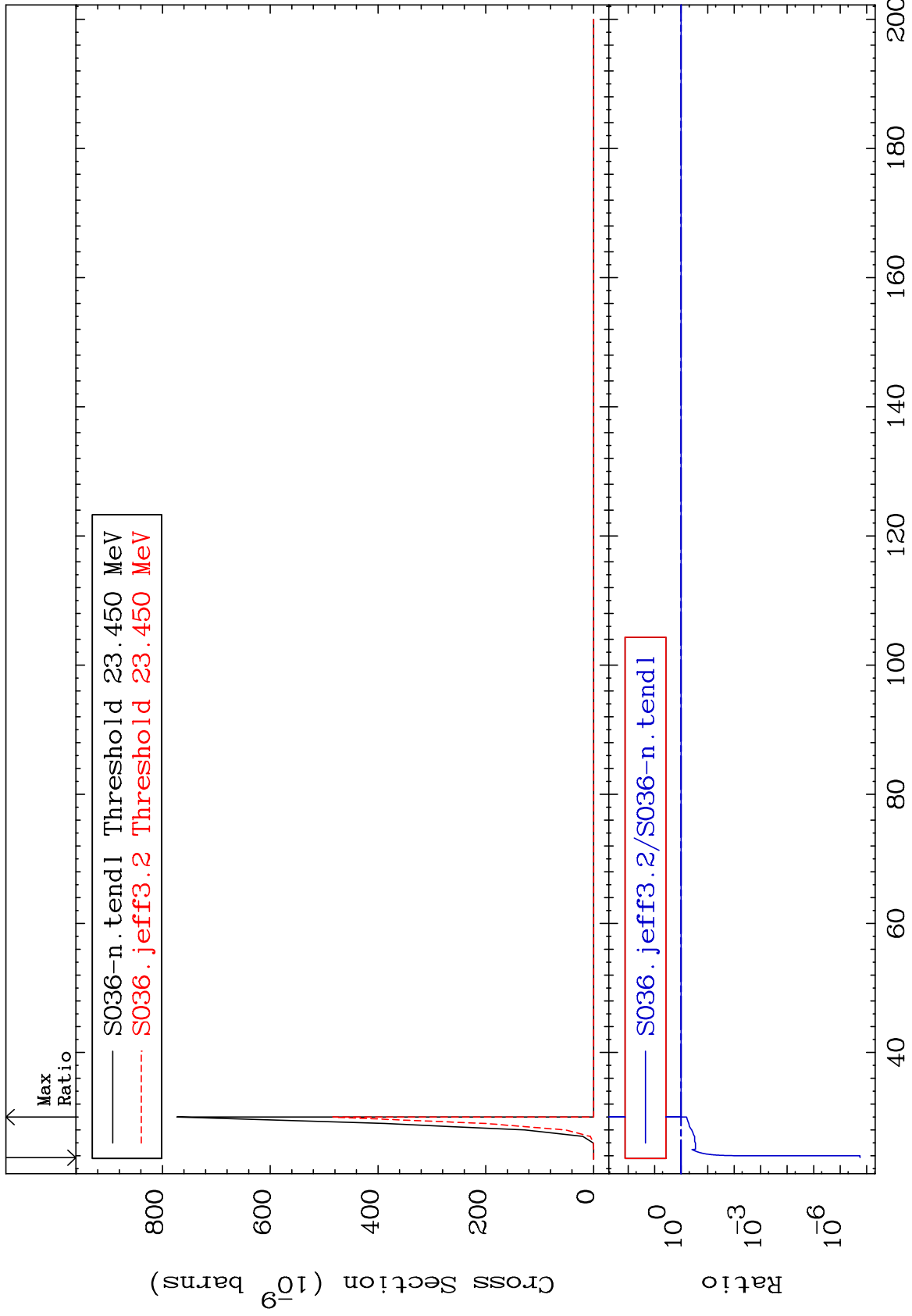
-87.32 To 11.09 %



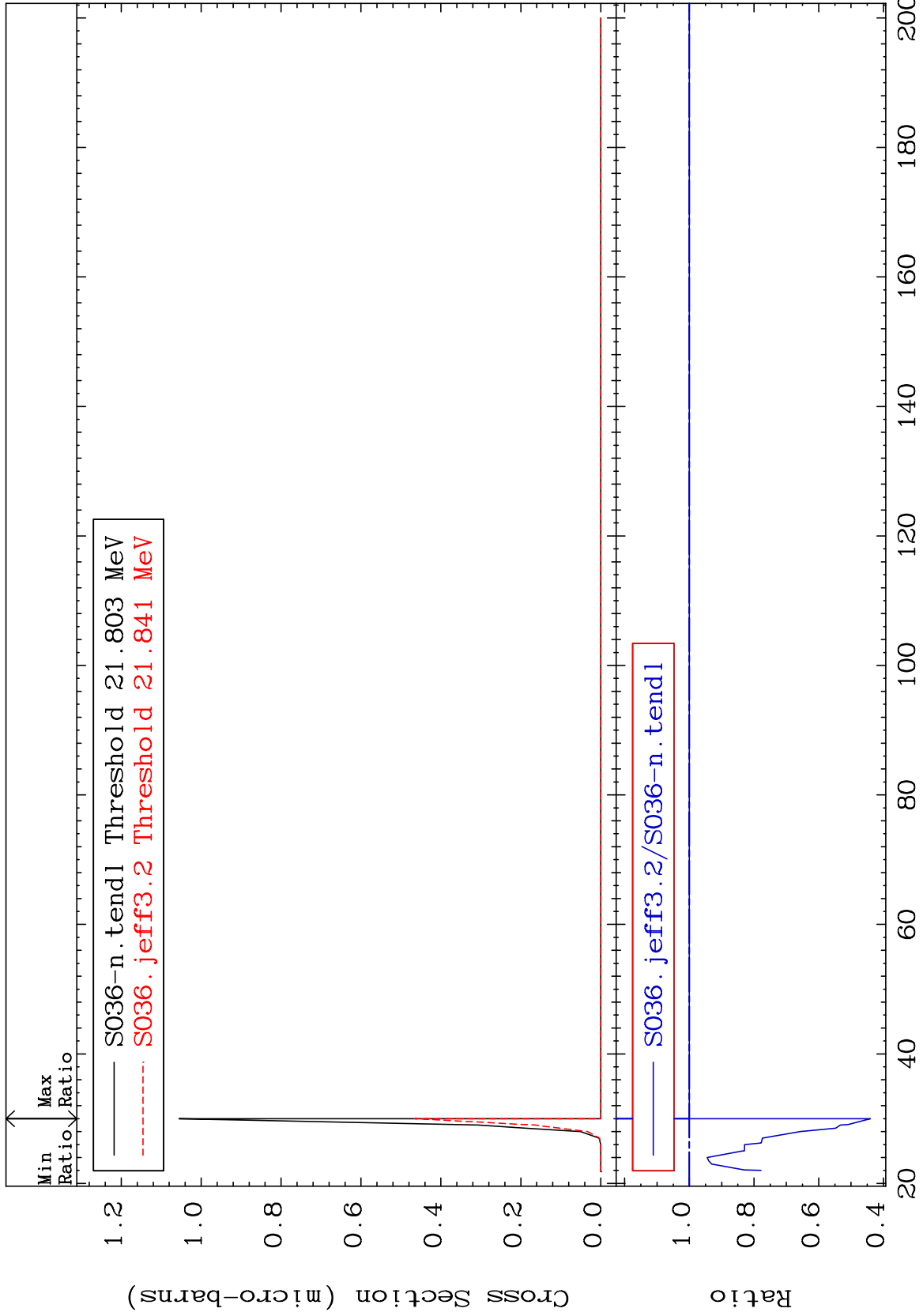
46

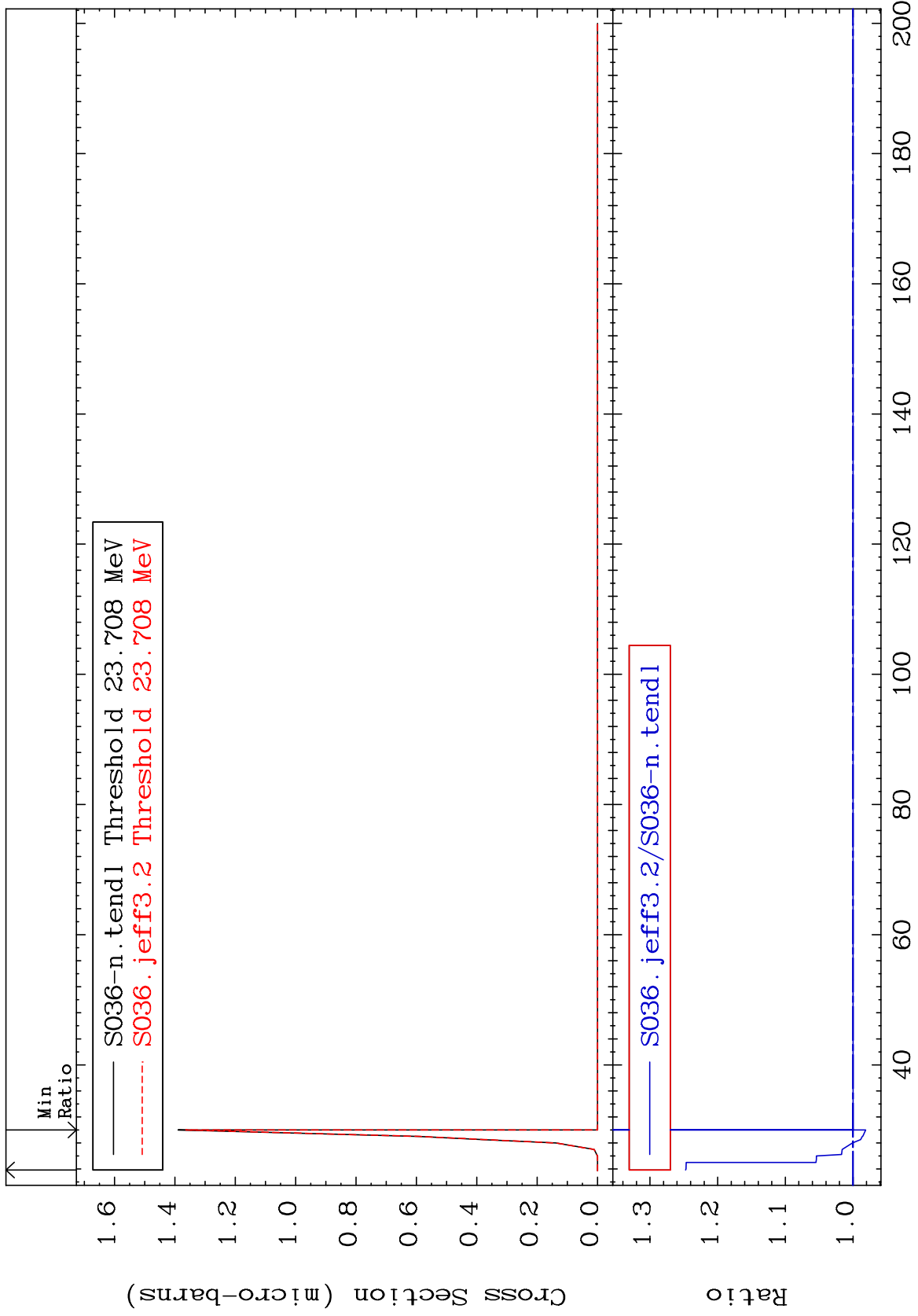
16-S -36

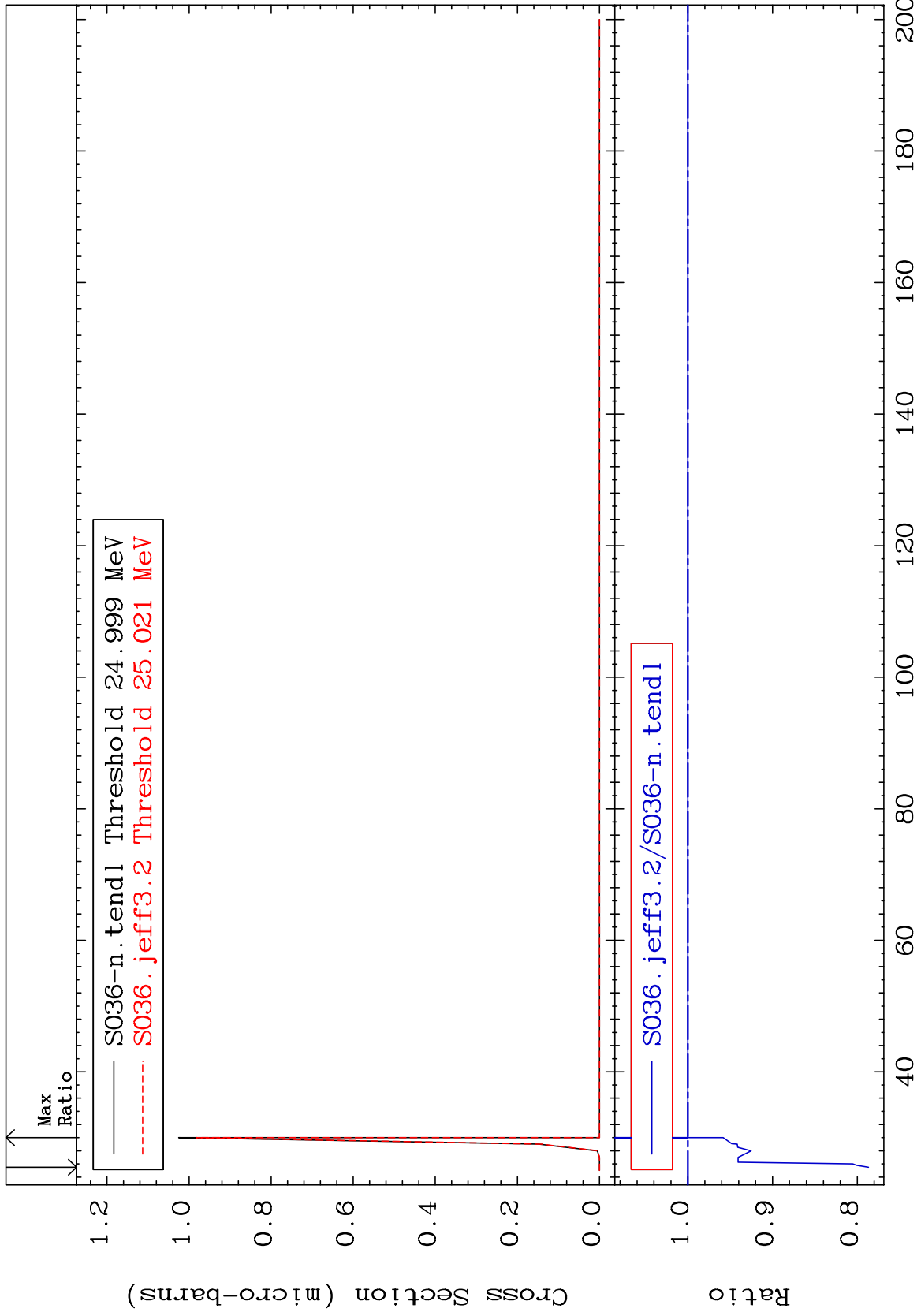


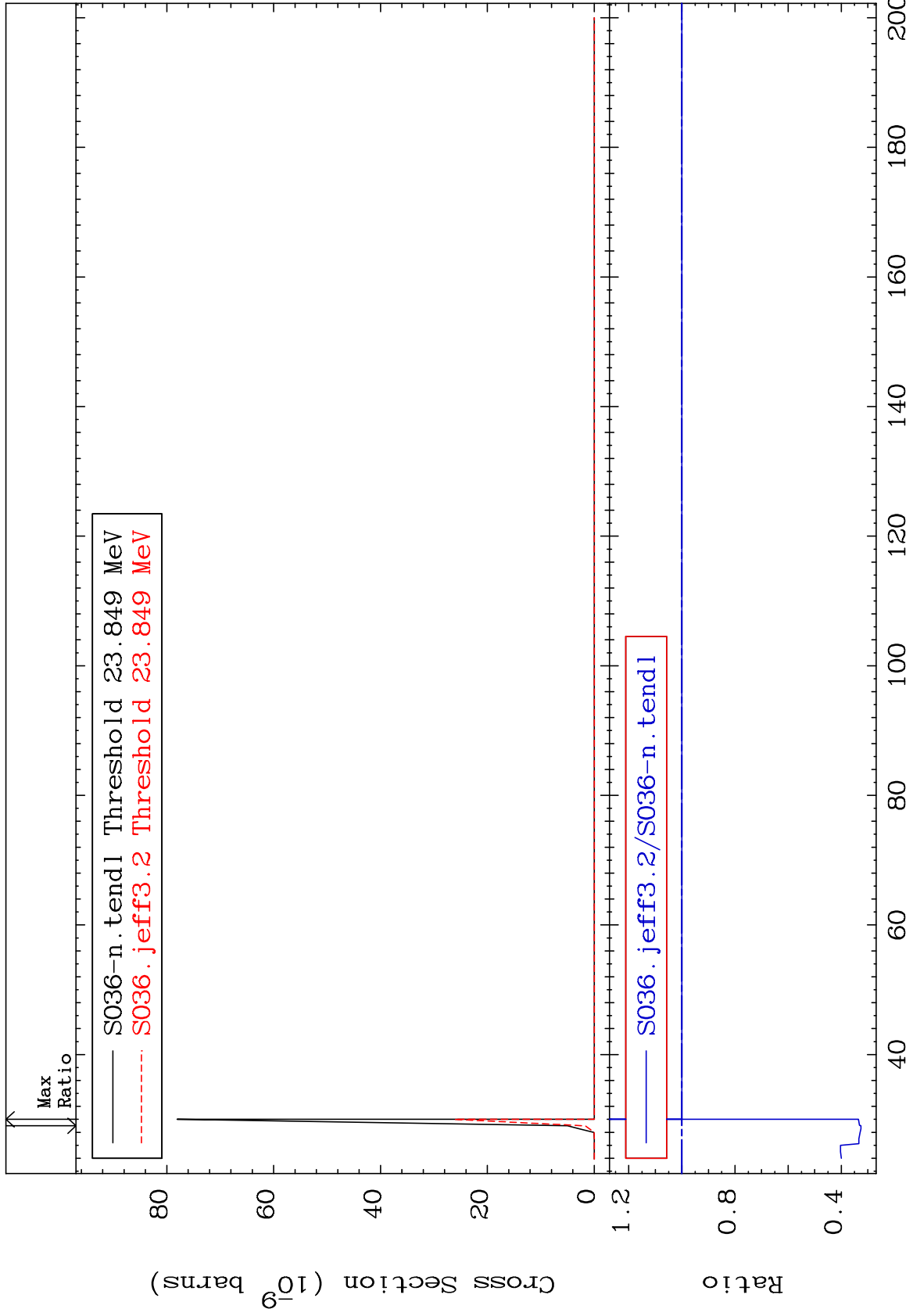








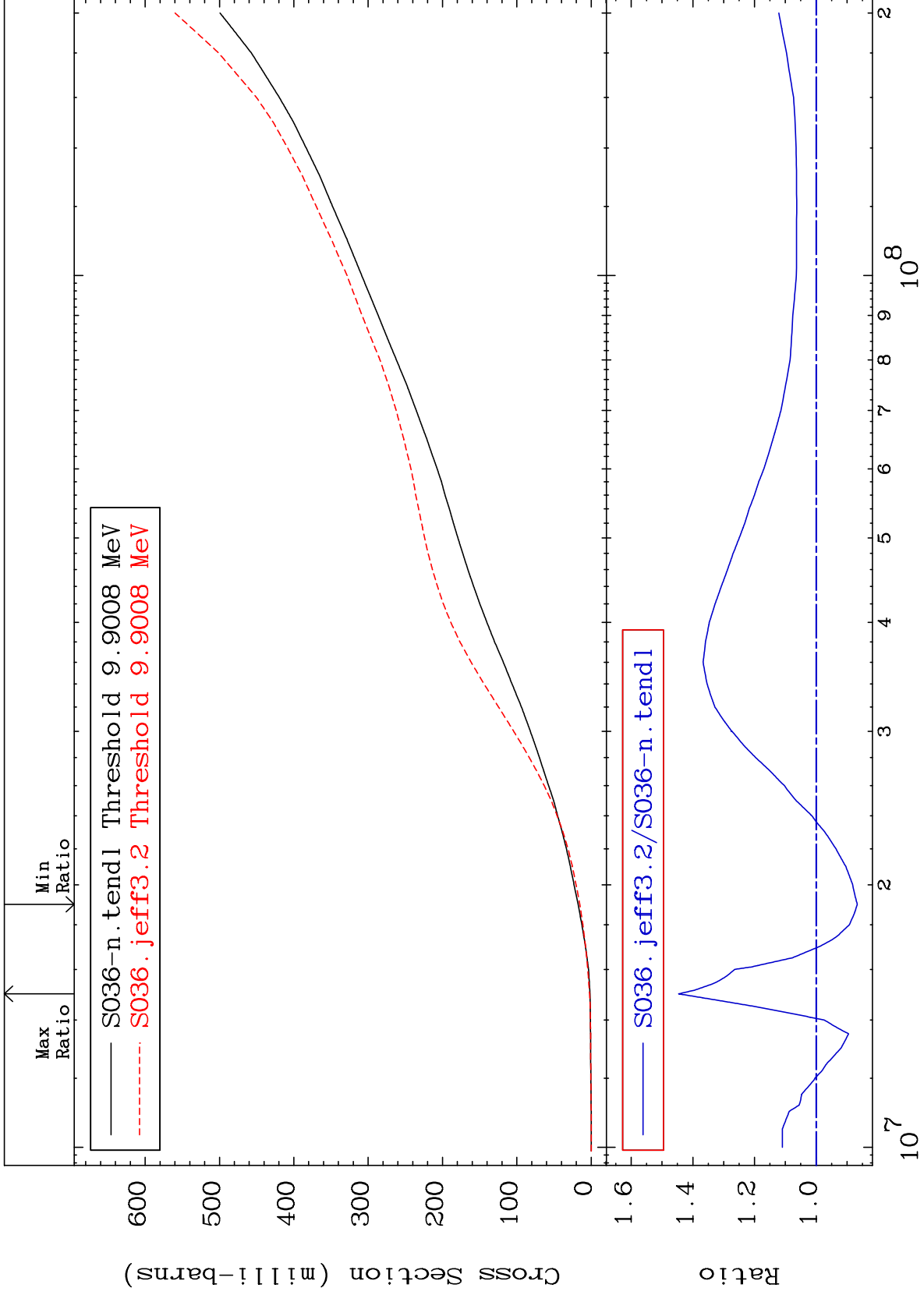




MAT 1637

### Hydrogen Production Cross Section

16-S -36  
-13.31 To 44.61 %



53

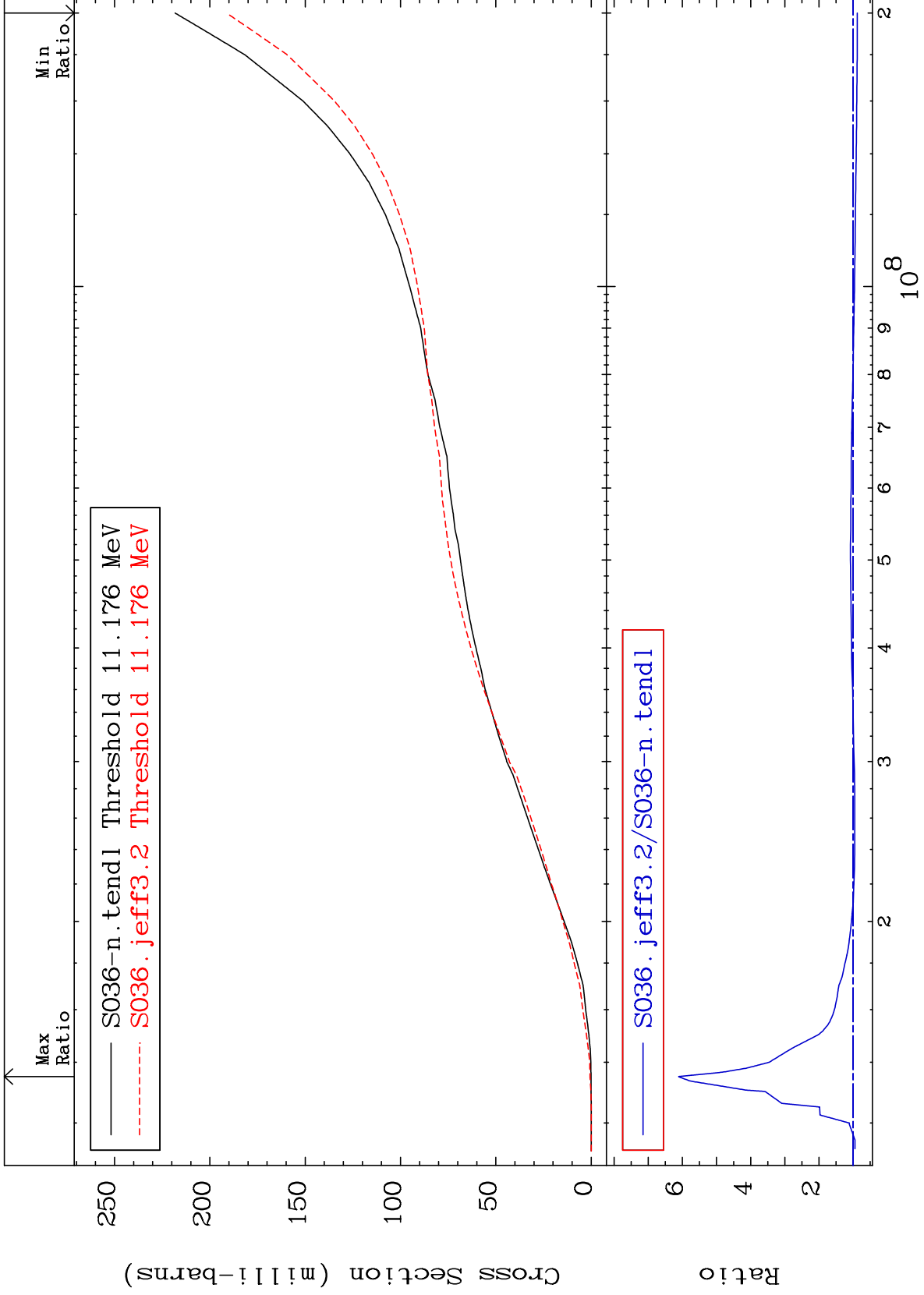
Incident Energy (eV)

16-S -36

MAT 1637

Deuterium Production  
Cross Section

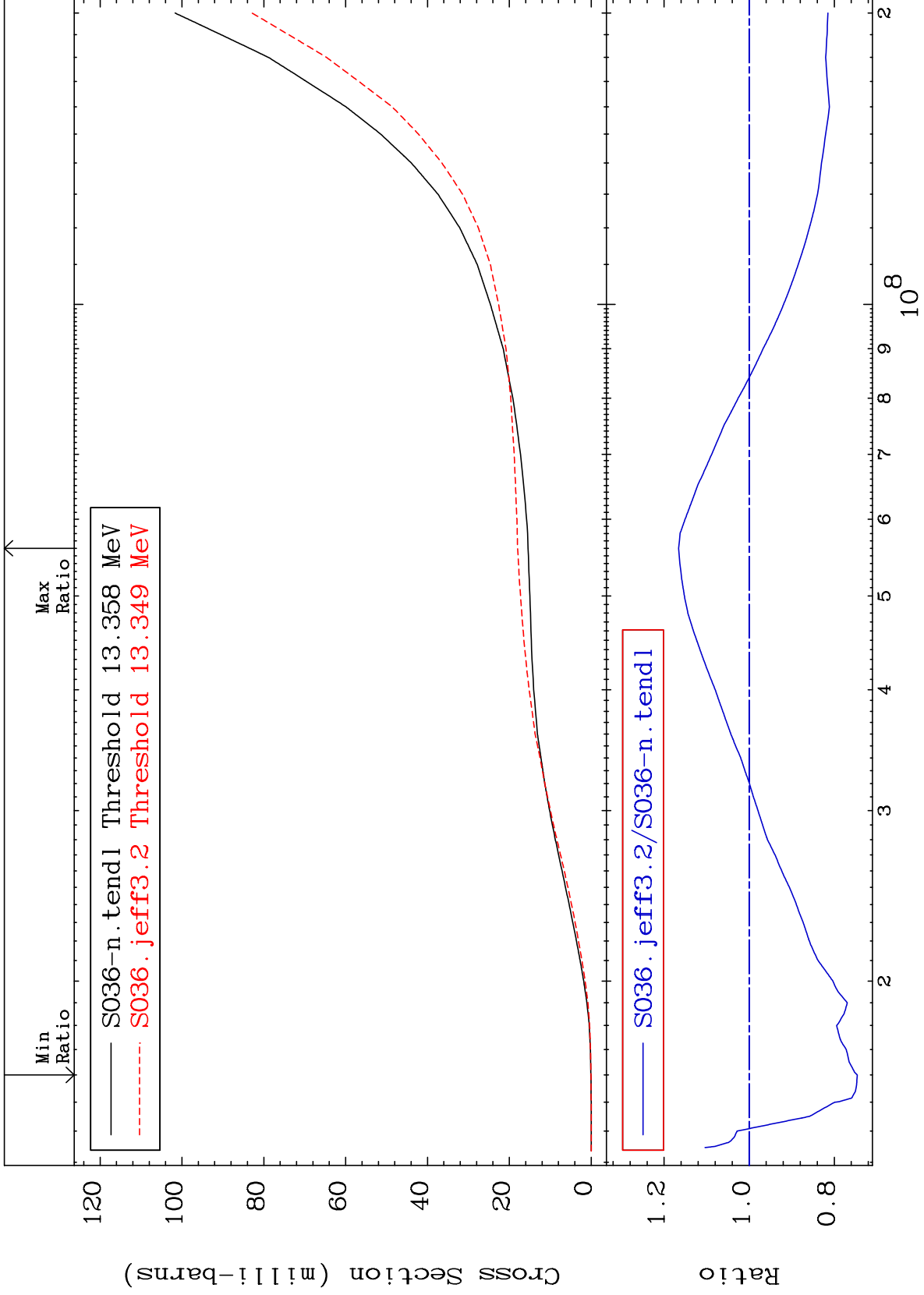
16-S -36  
-12.39 To 511.1 %

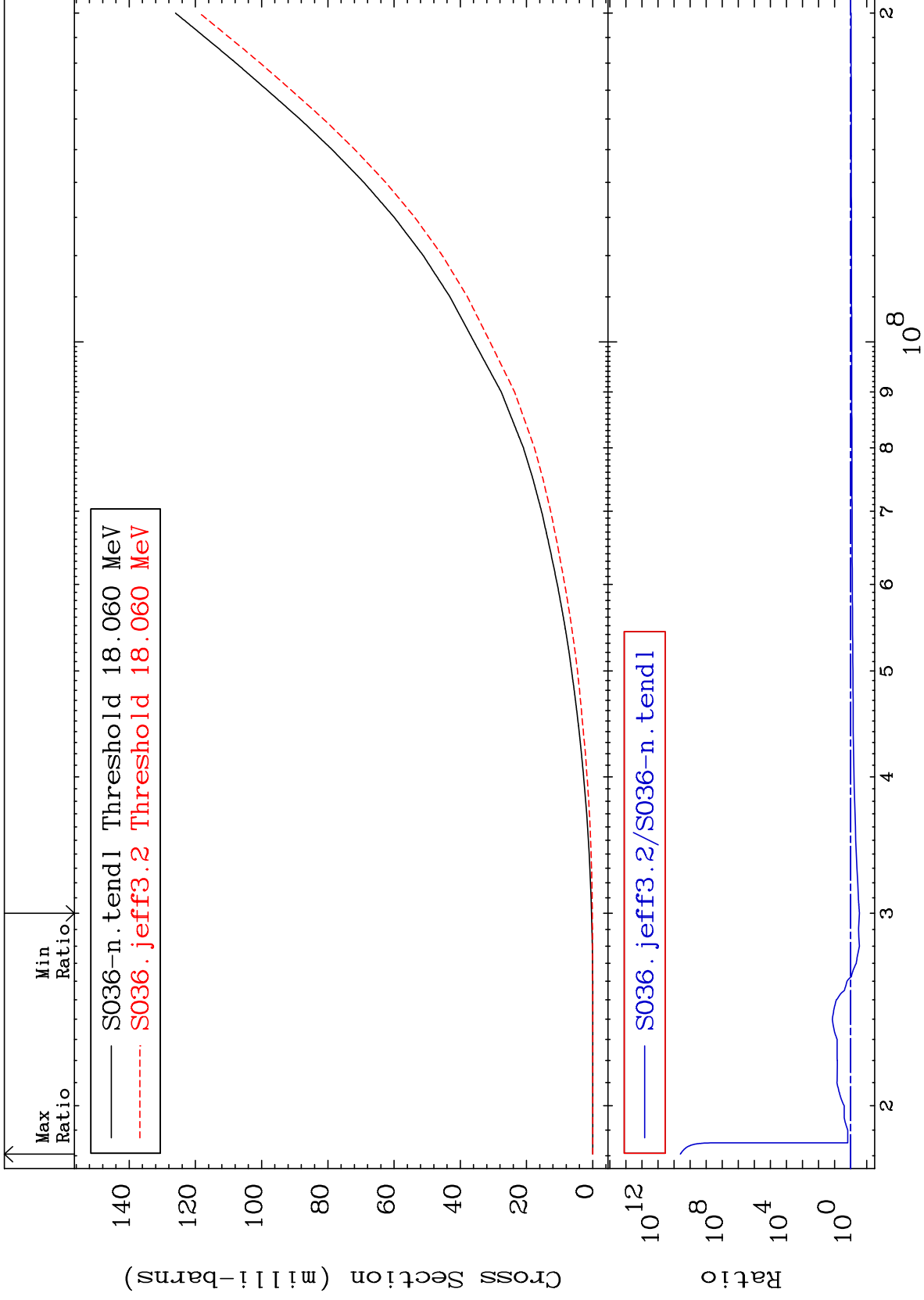


MAT 1637

Tritium Production  
Cross Section

16-S -36  
-25.39 To 16.59 %



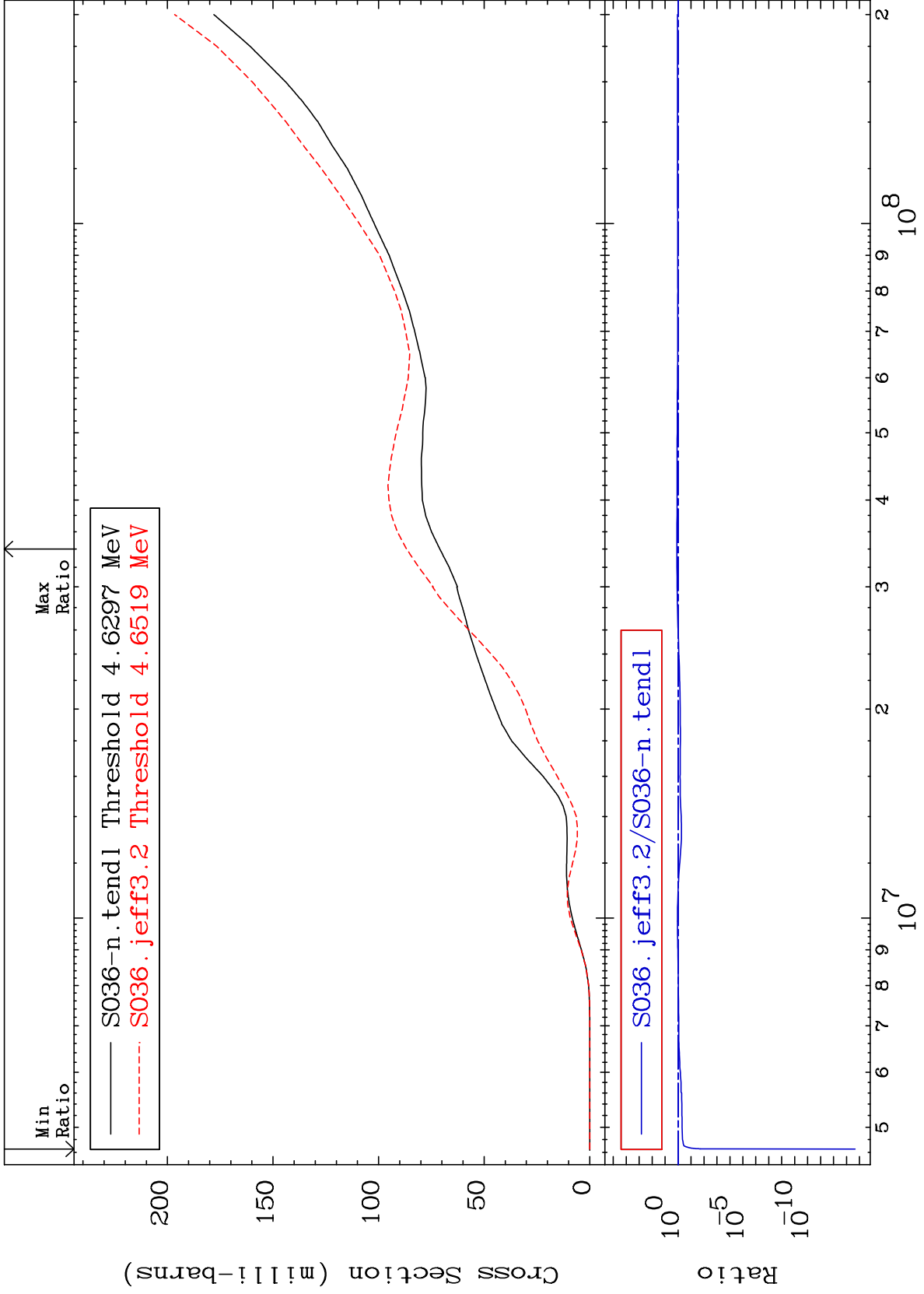




MAT 1637

He-4 Production  
Cross Section

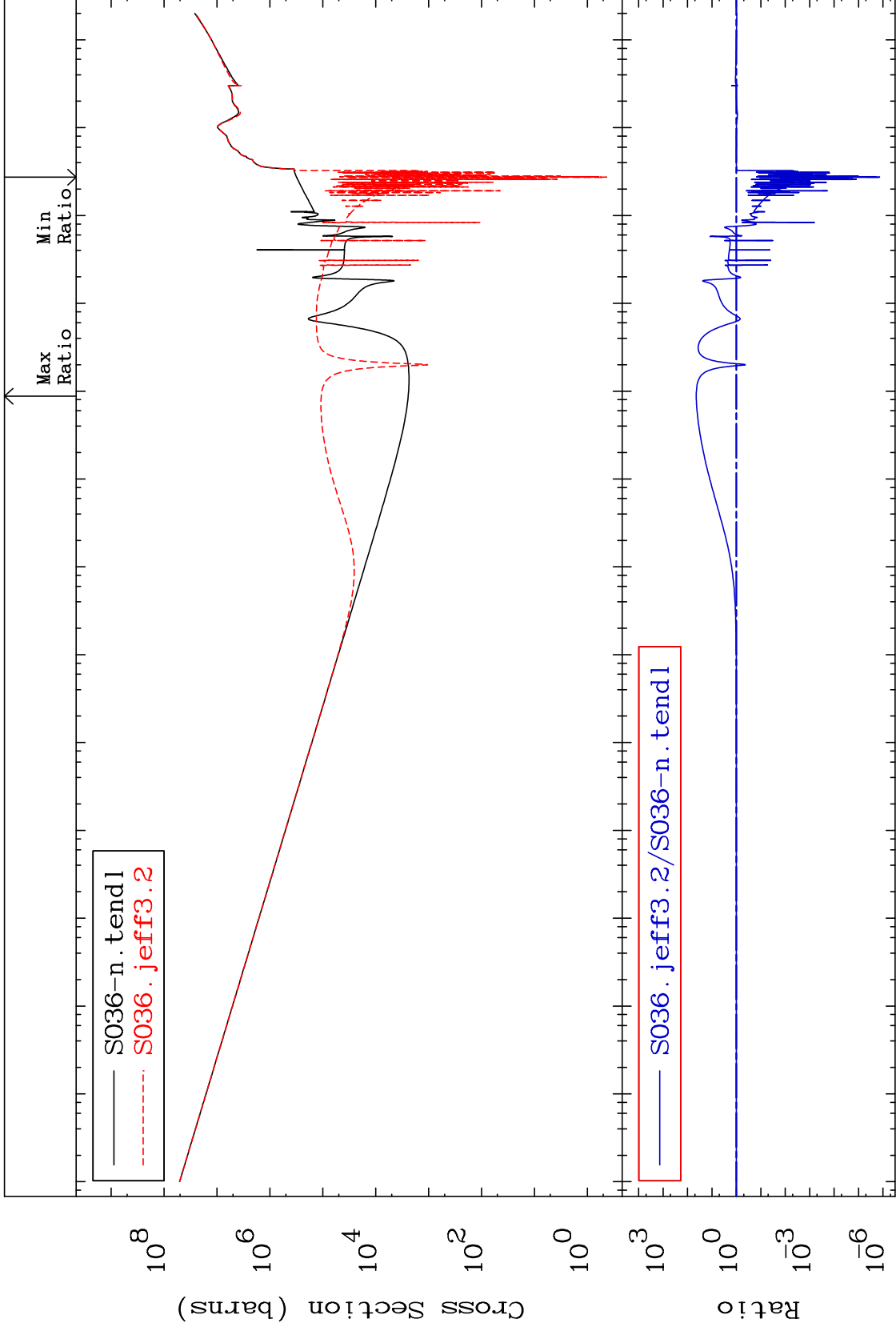
16-S -36  
-100.0 To 22.16 %

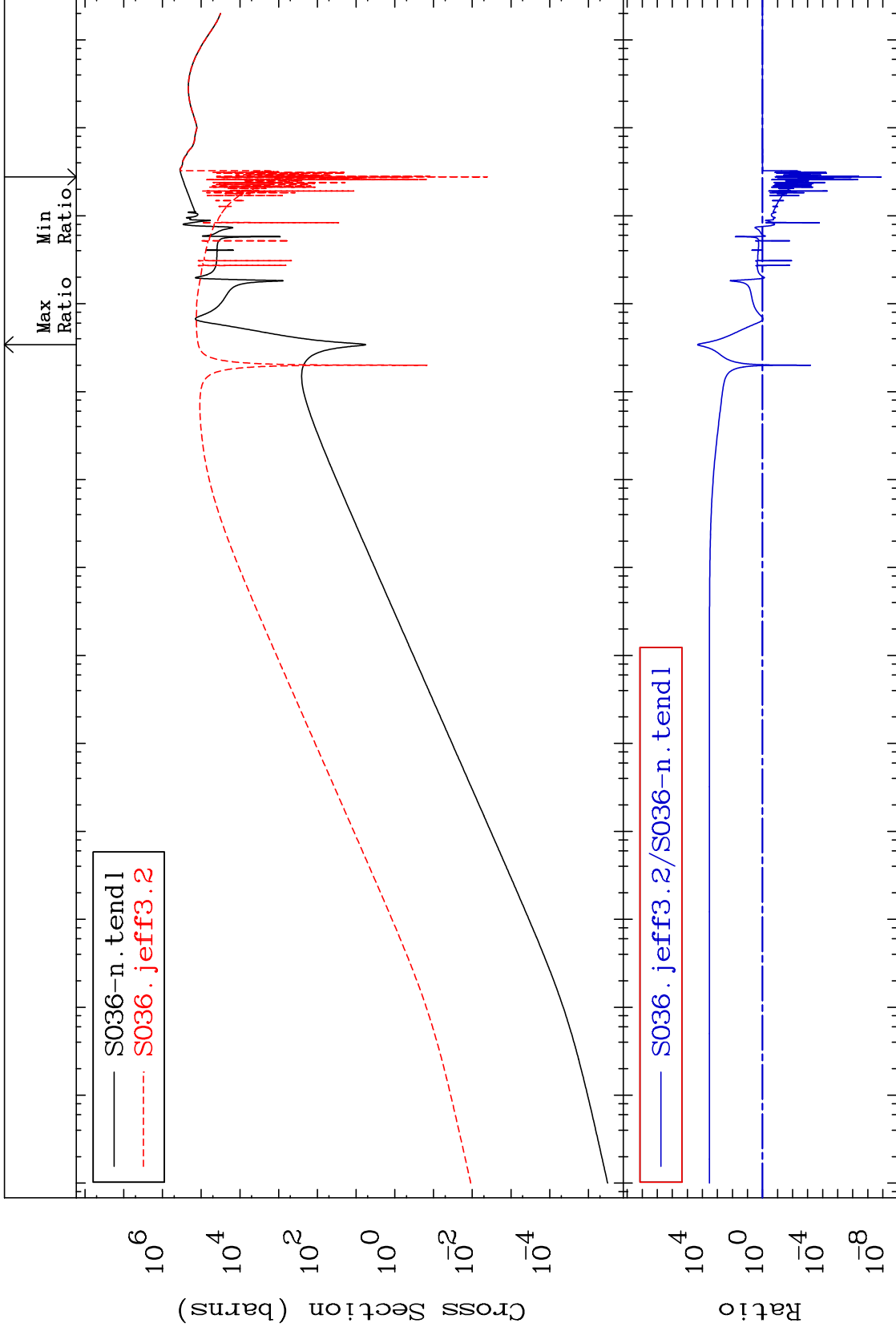


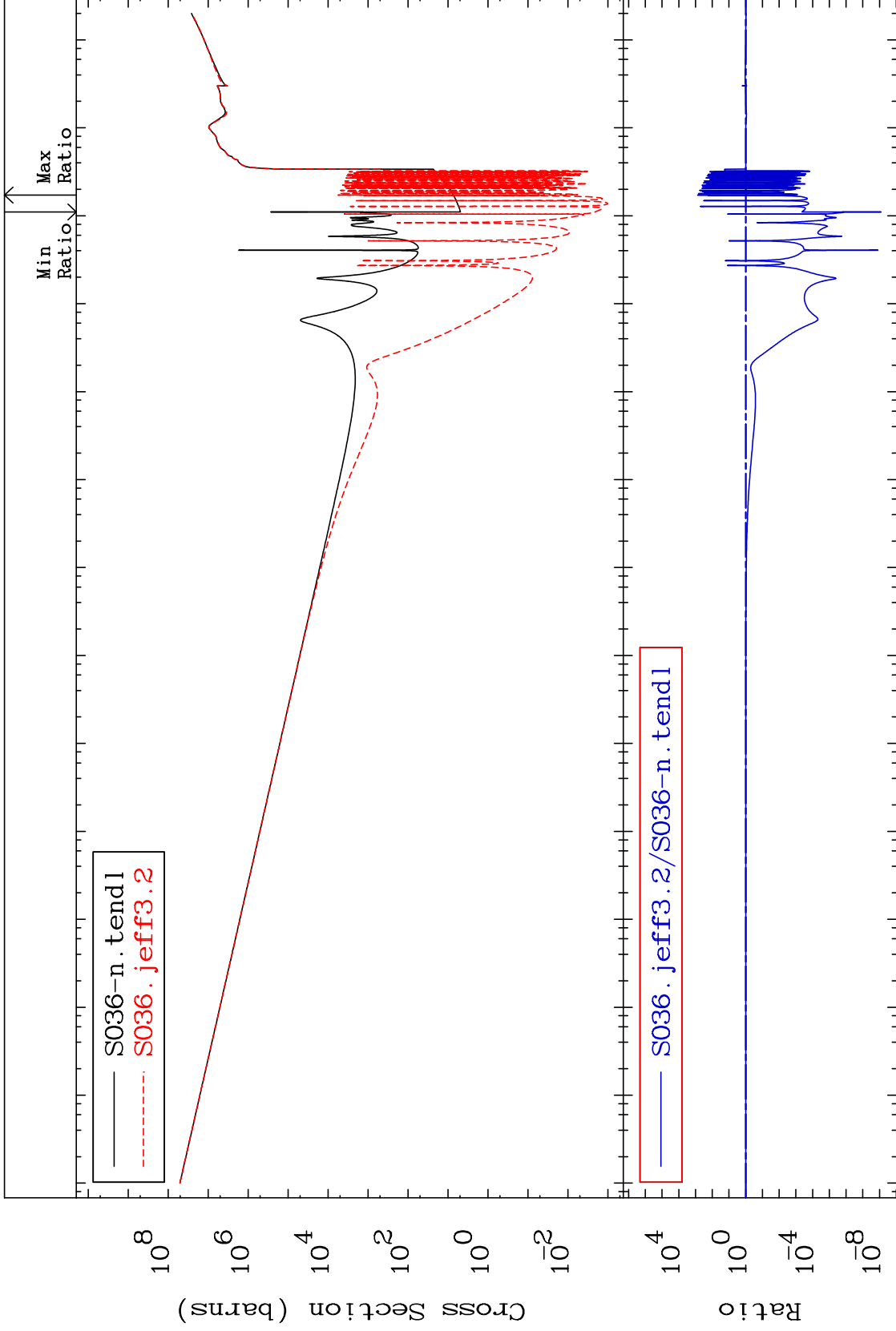
57

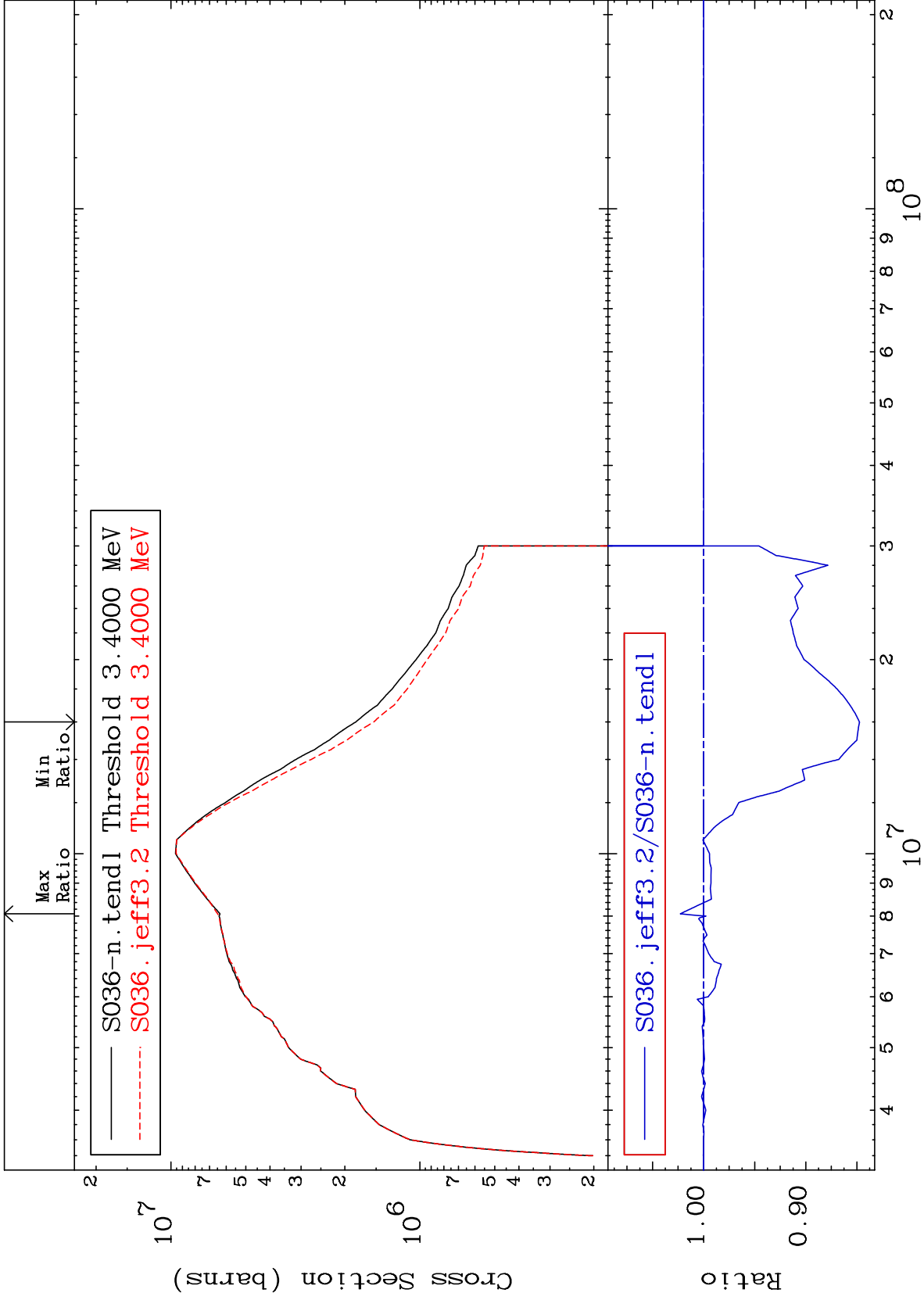
Incident Energy (eV)

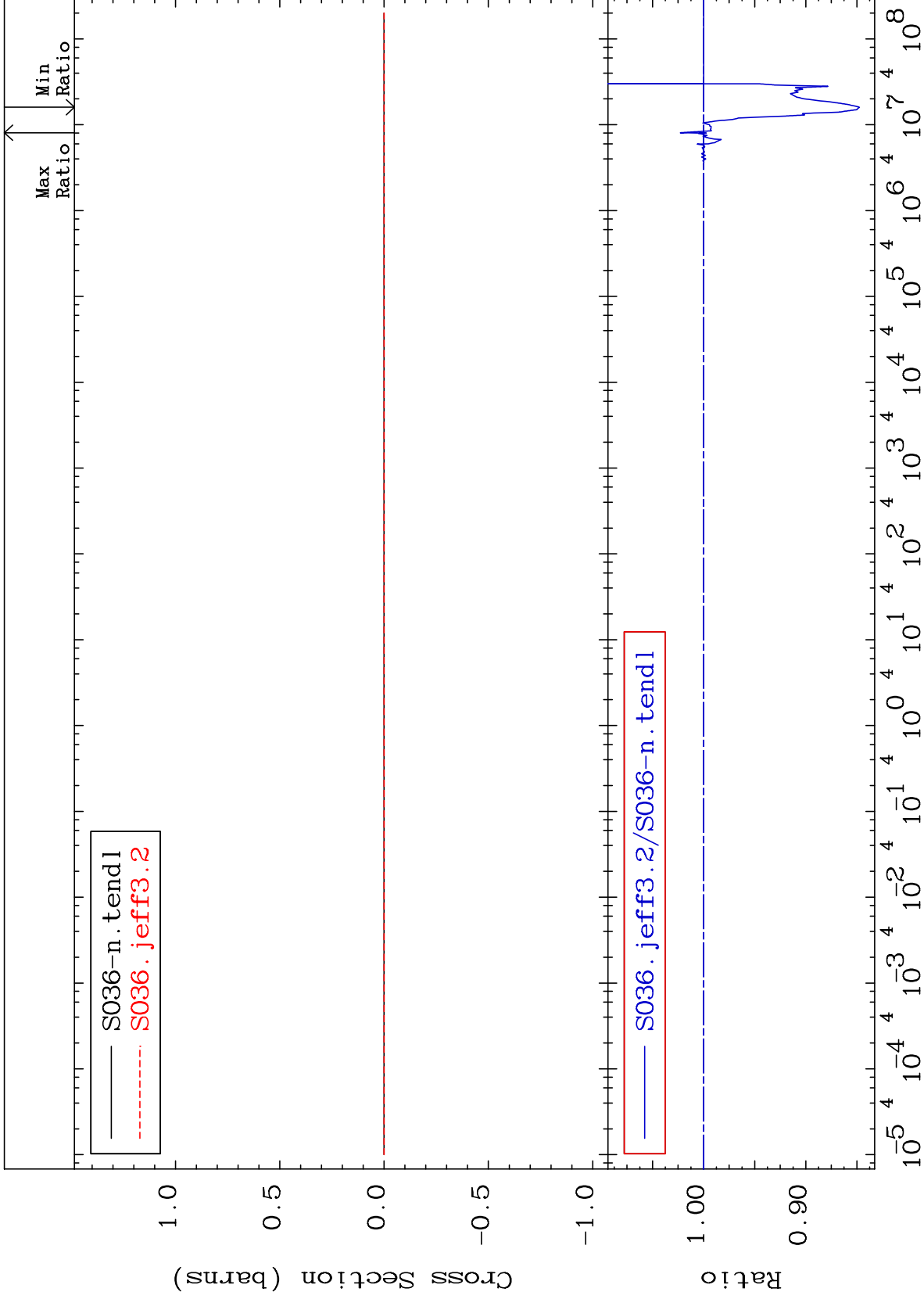
16-S -36







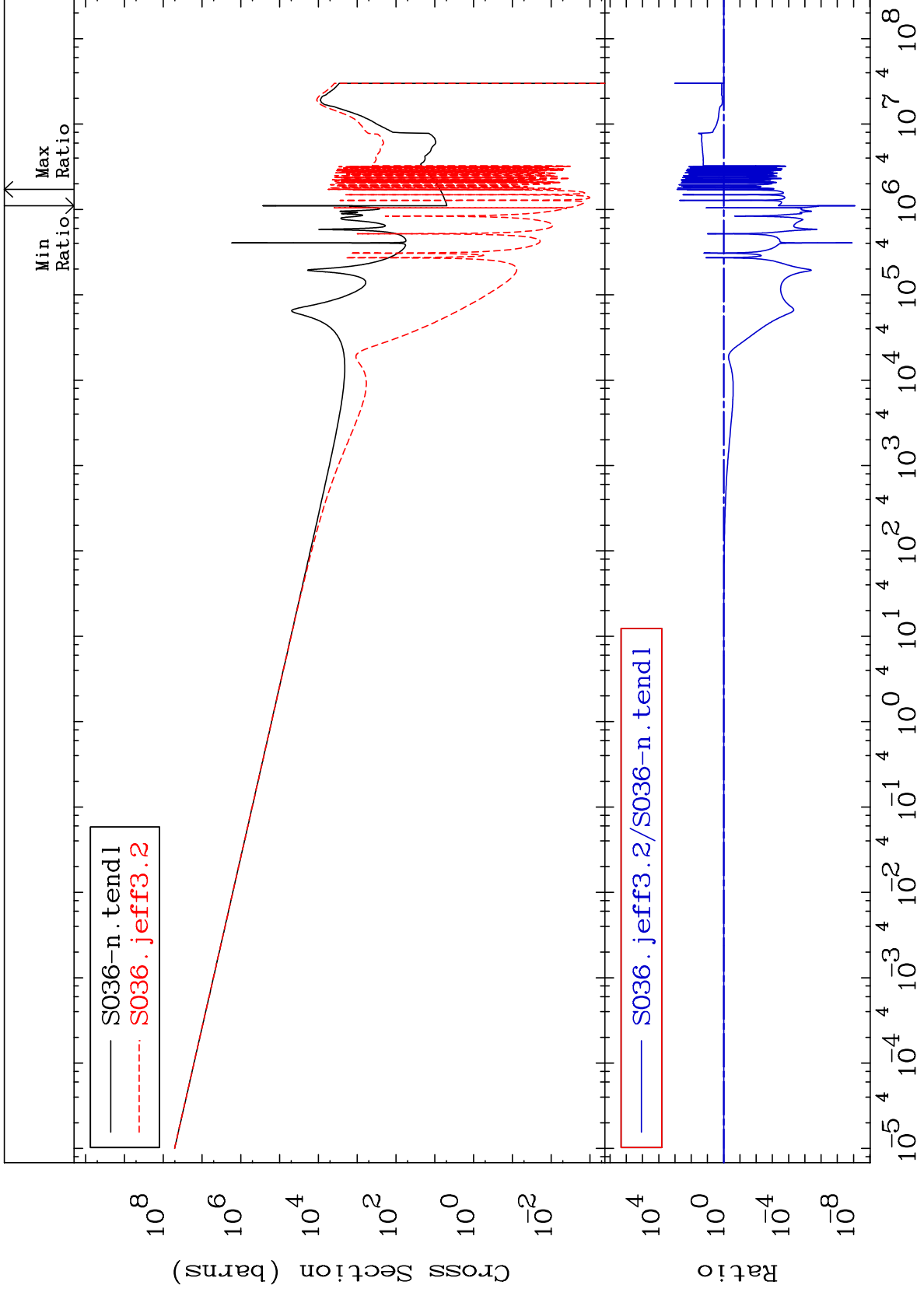




MAT 1637

Kerma capture (mt102)  
Cross Section

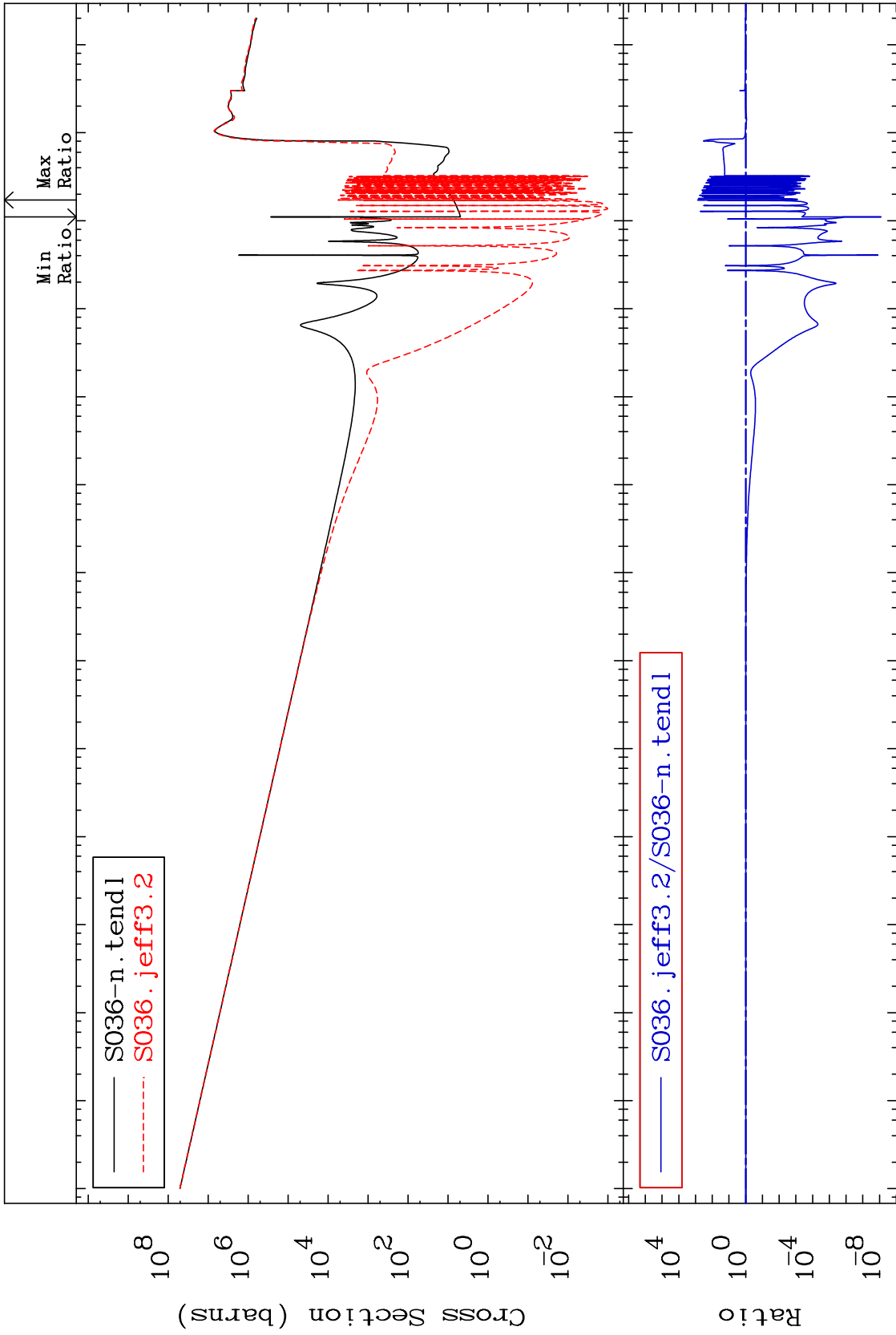
16-S -36  
-100.0 To 9999. %



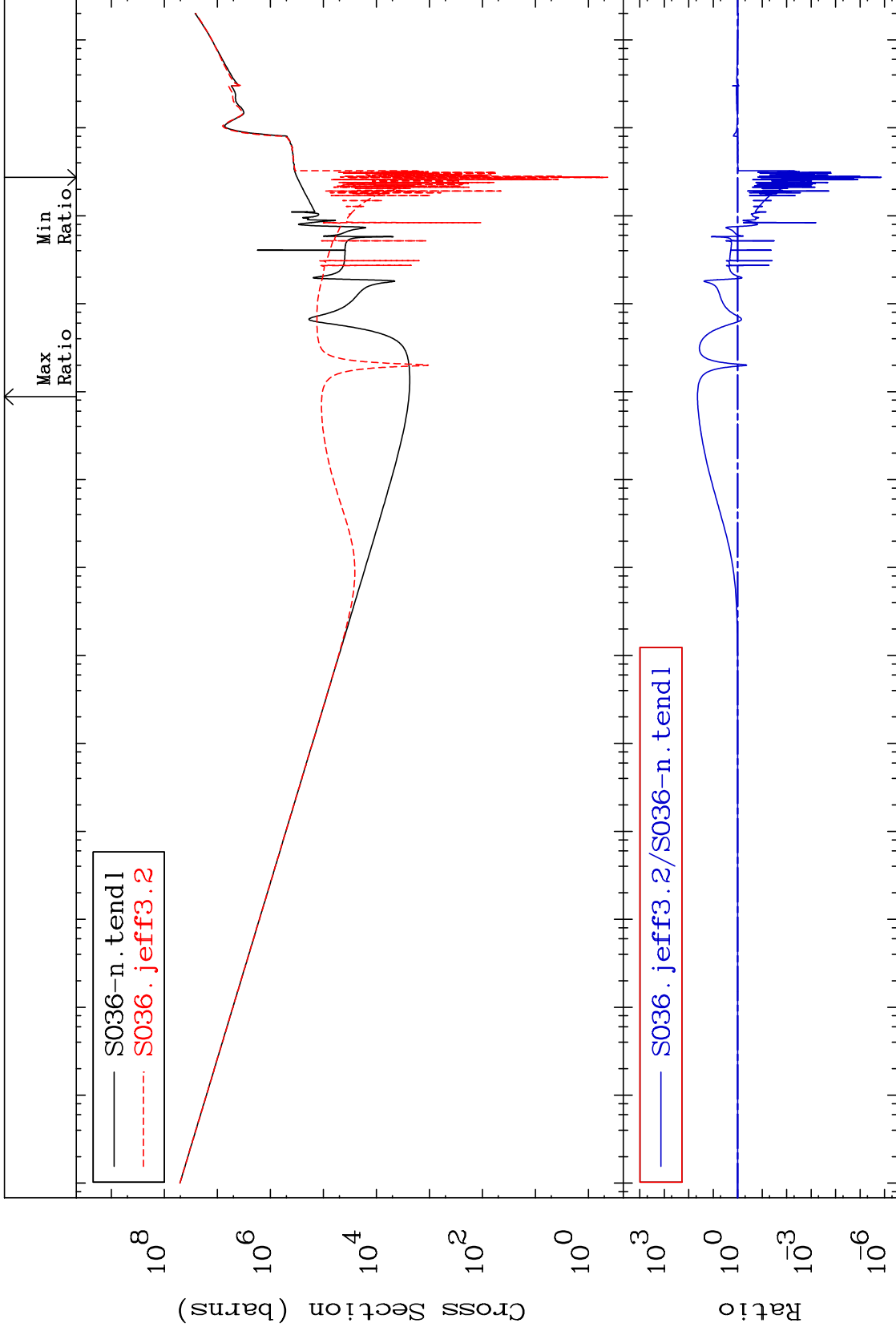
63

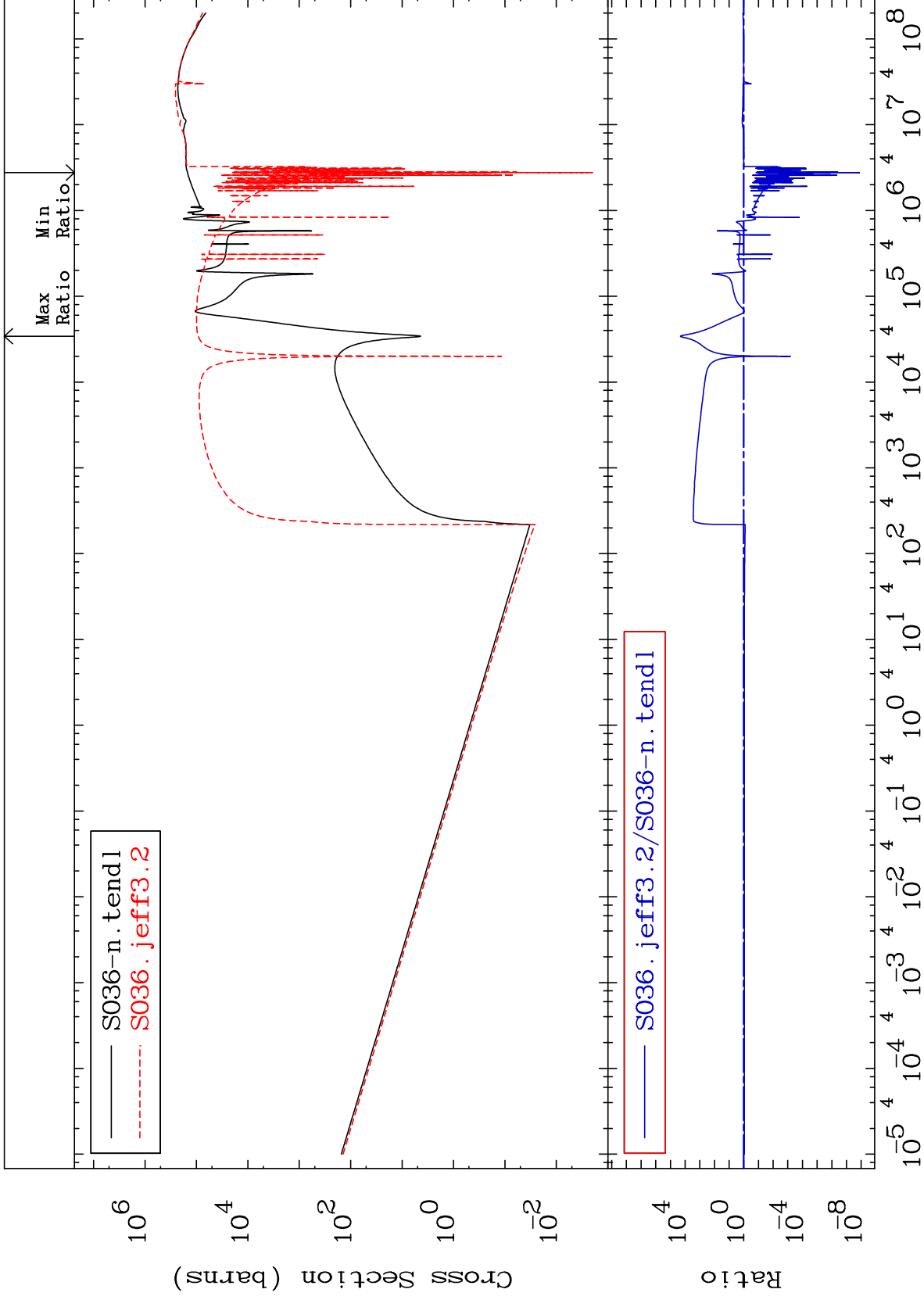
Incident Energy (eV)

16-S -36





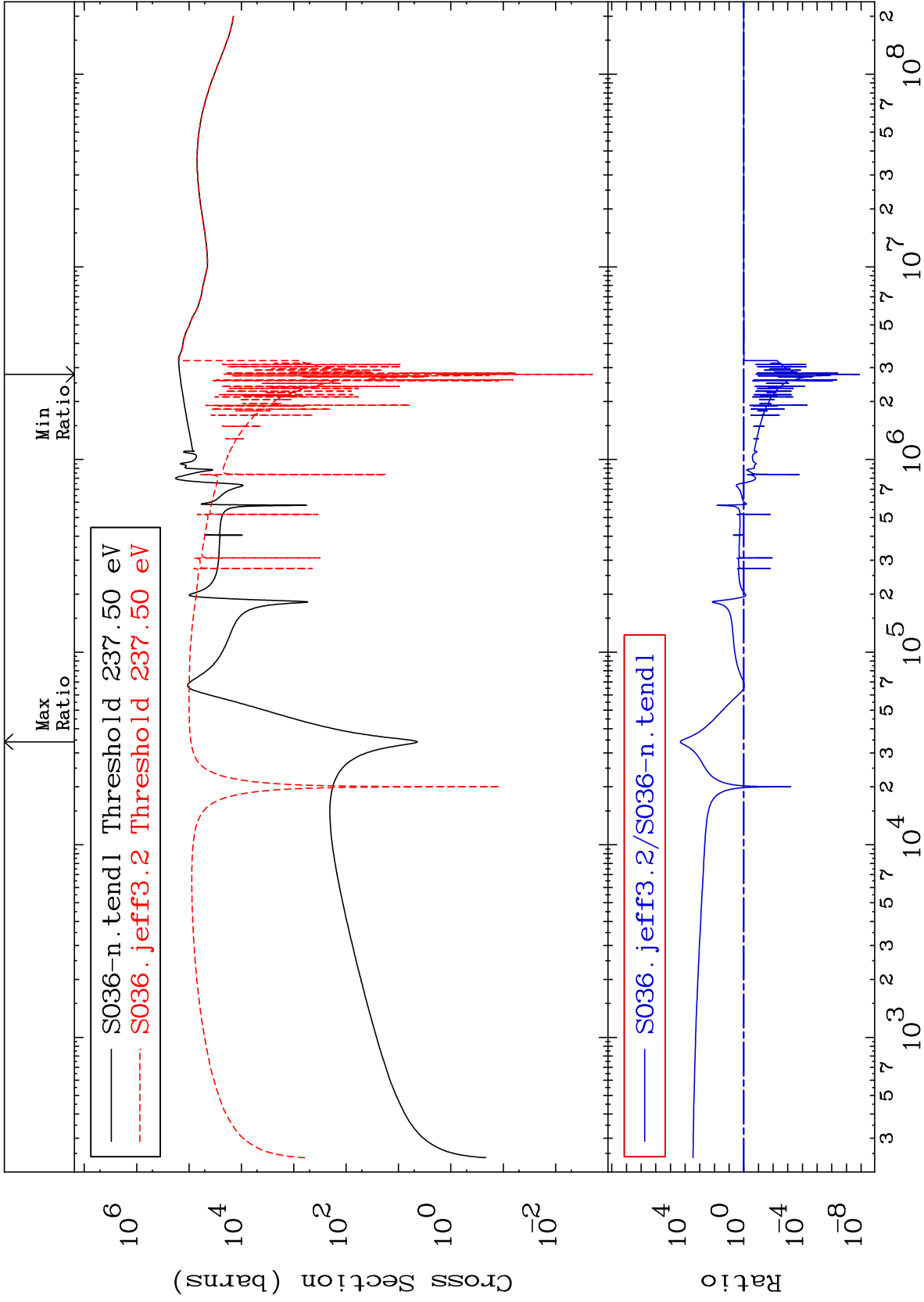




MAT 1637

Dpa elastic (mt2)  
Cross Section

16-S -36  
-100.0 To 9999. %



67

Incident Energy (eV)

16-S -36

