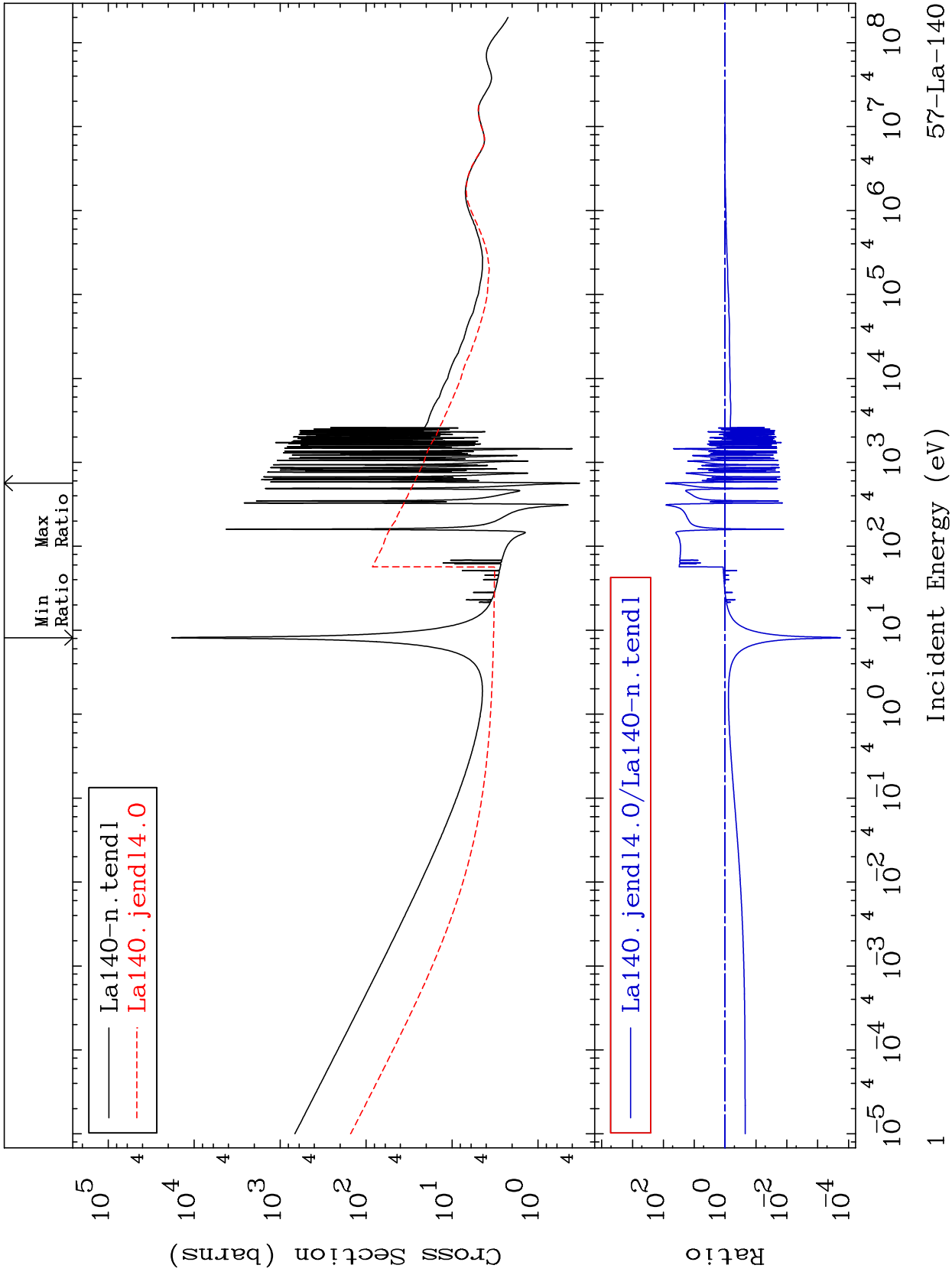


MAT 5731

Total Cross Section  
57-La-140  
-99.98 To 8436. %

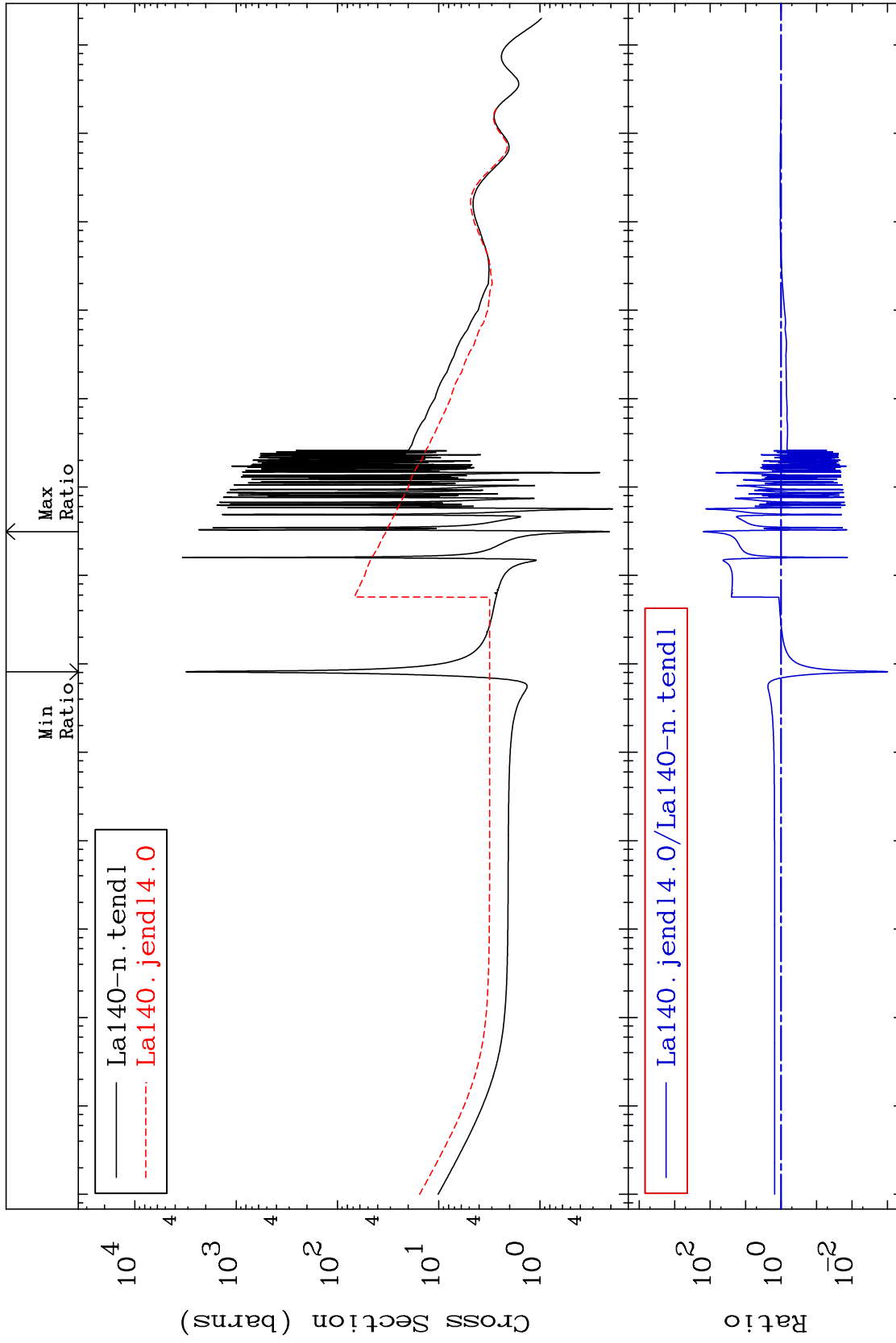


57-La-140

MAT 5731

Elastic Cross Section

57-La-140  
-99.90 To 9999. %



Incident Energy (eV)

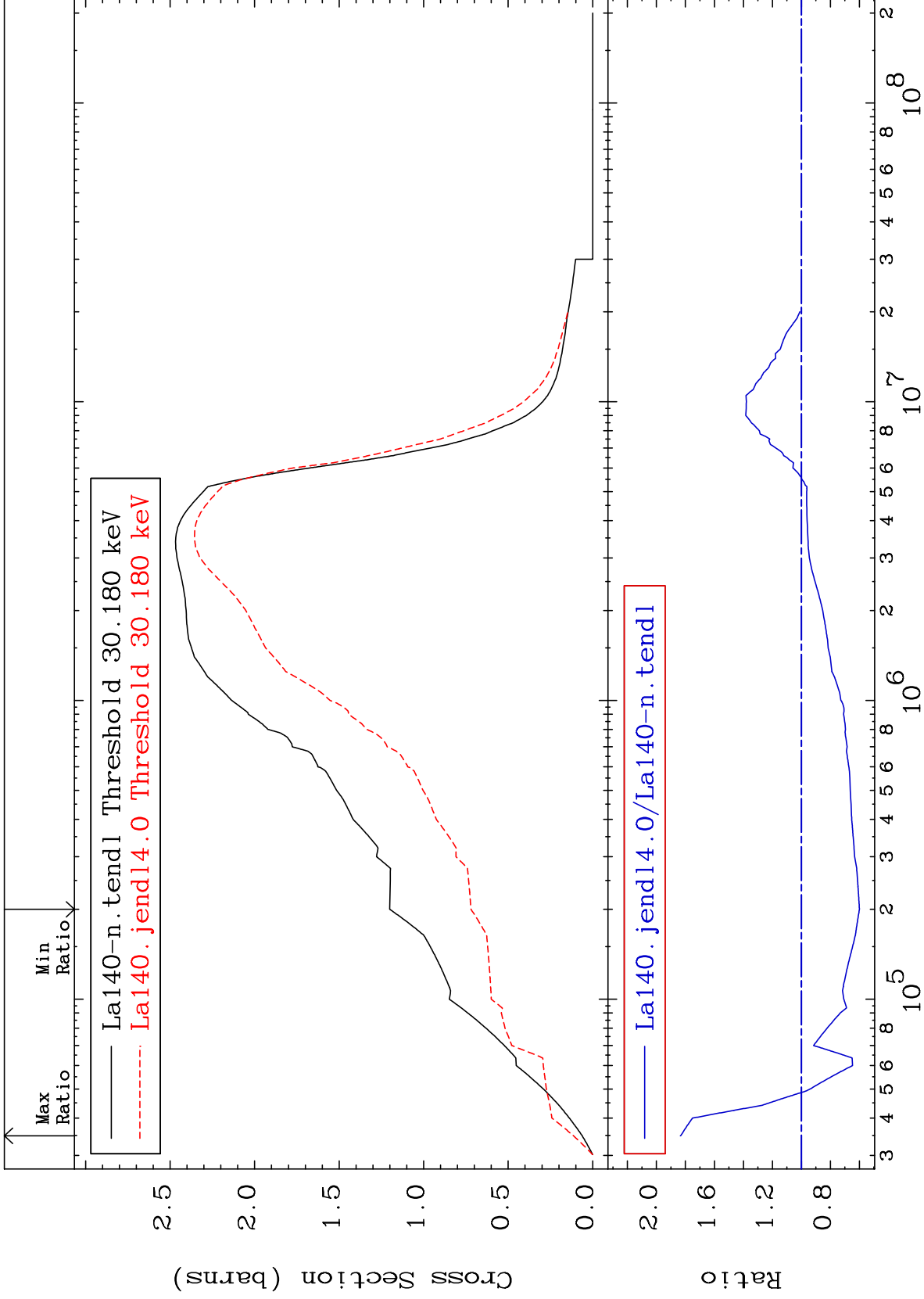
57-La-140

2

MAT 5731

Inelastic  
Cross Section

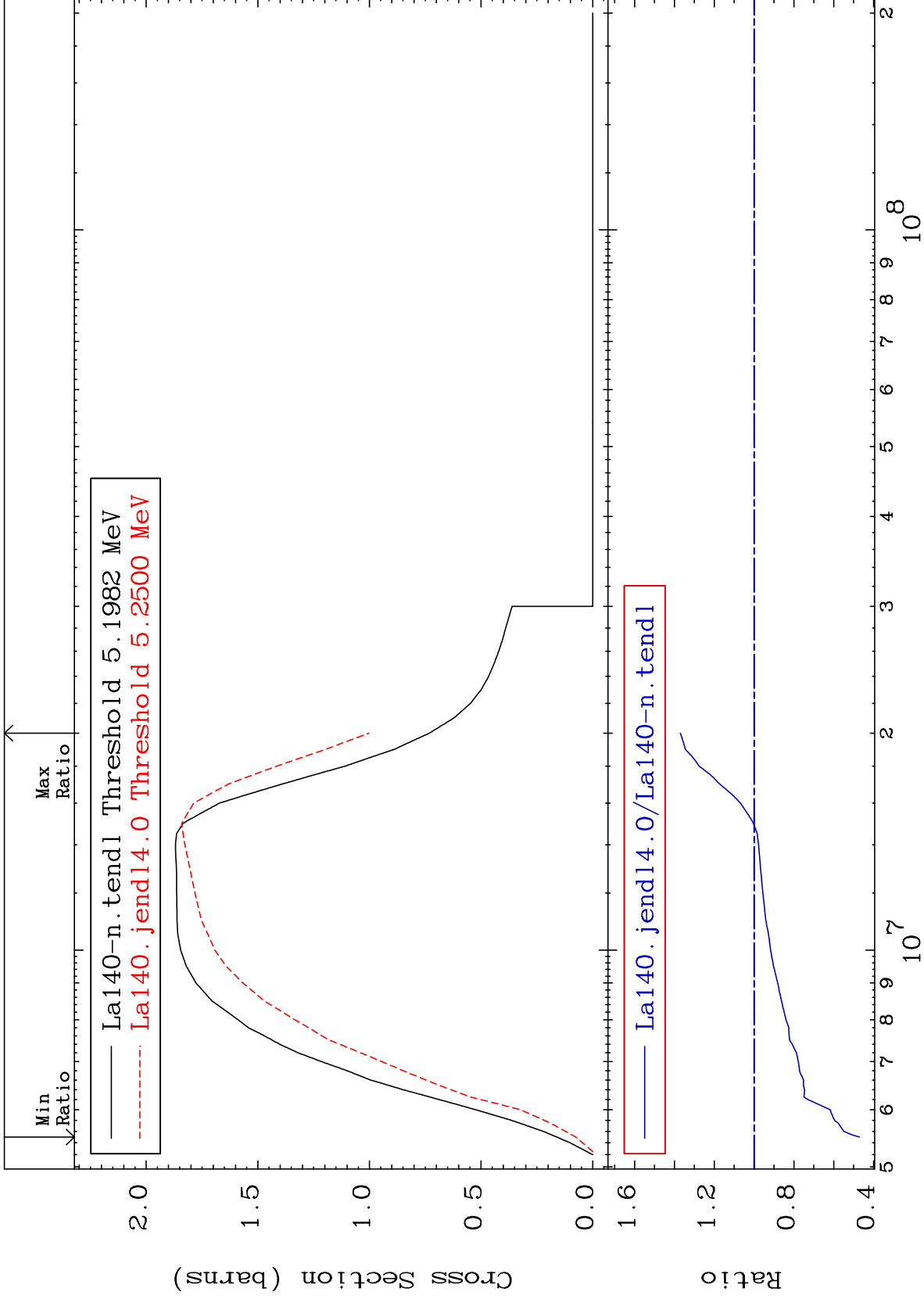
57-La-140  
-40.04 To 83.49 %



MAT 5731

(n,2n)  
Cross Section

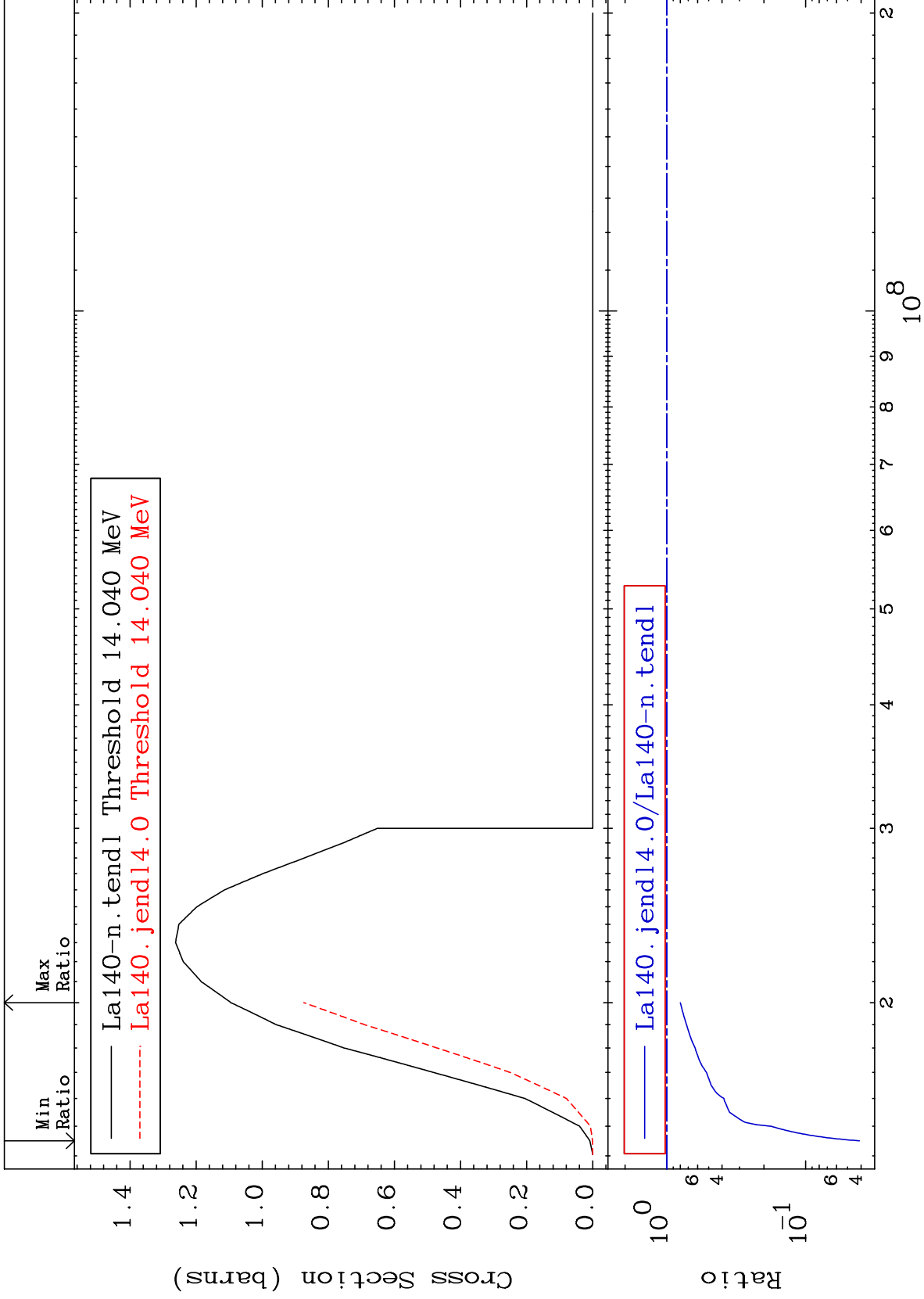
57-La-140  
-52.89 To 37.02 %



4

Incident Energy (eV)

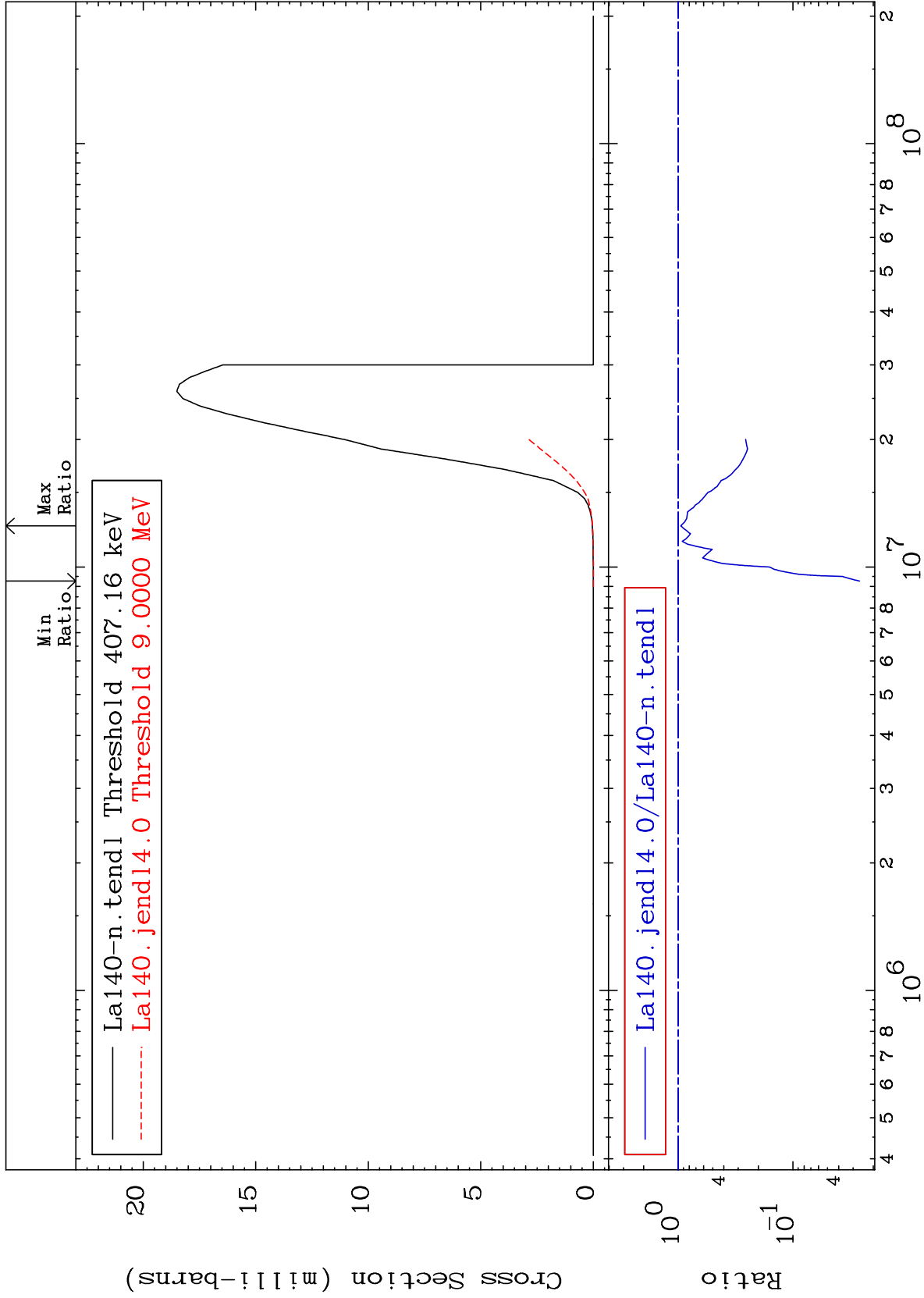
57-La-140



MAT 5731

57-La-140

$(n, n') \alpha$   
Cross Section  
-97.37 To -5.093%



6

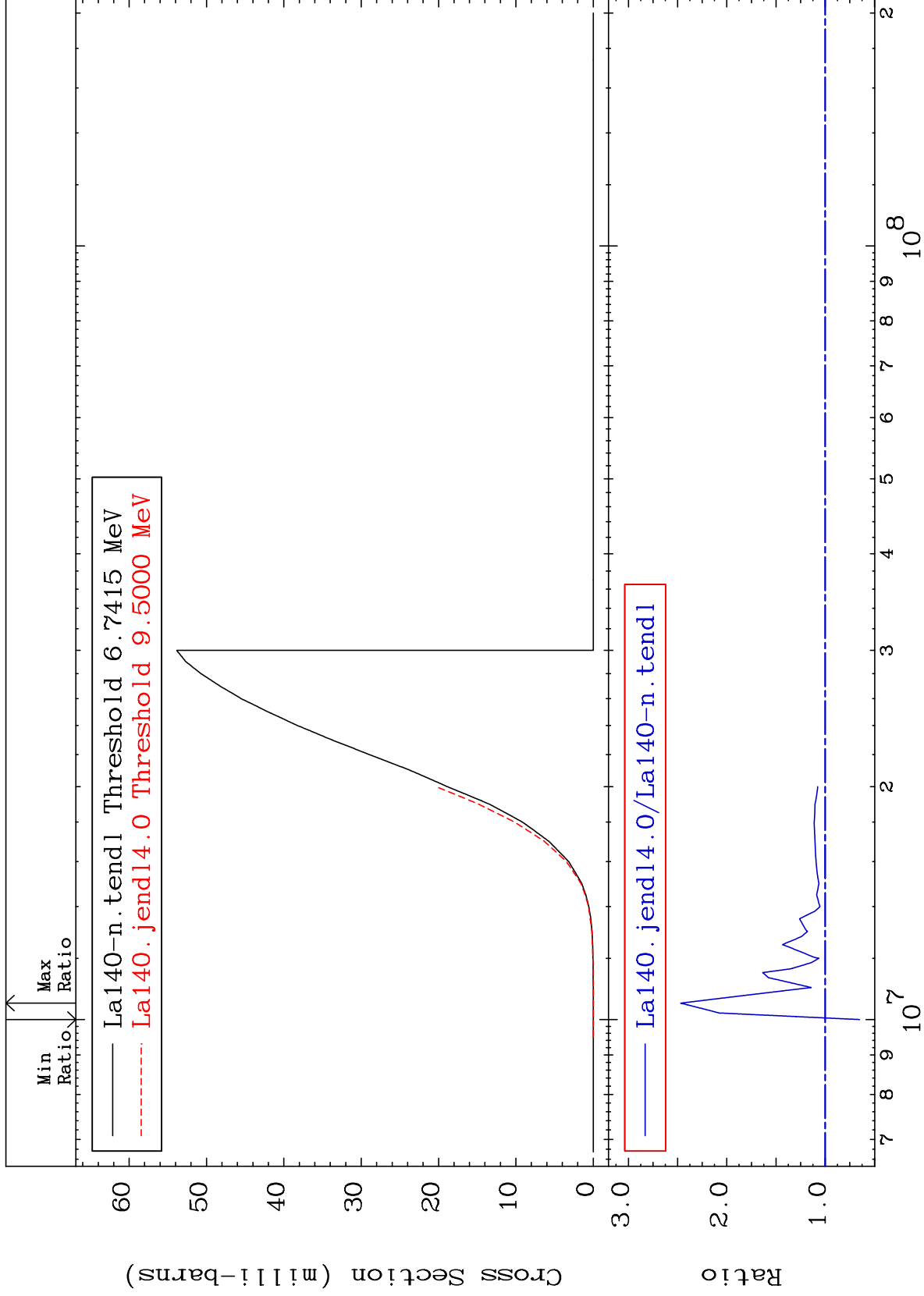
Incident Energy (eV)

57-La-140

MAT 5731

(n, n') p  
Cross Section

57-La-140  
-34.87 To 146.8 %



7

Incident Energy (eV)

57-La-140

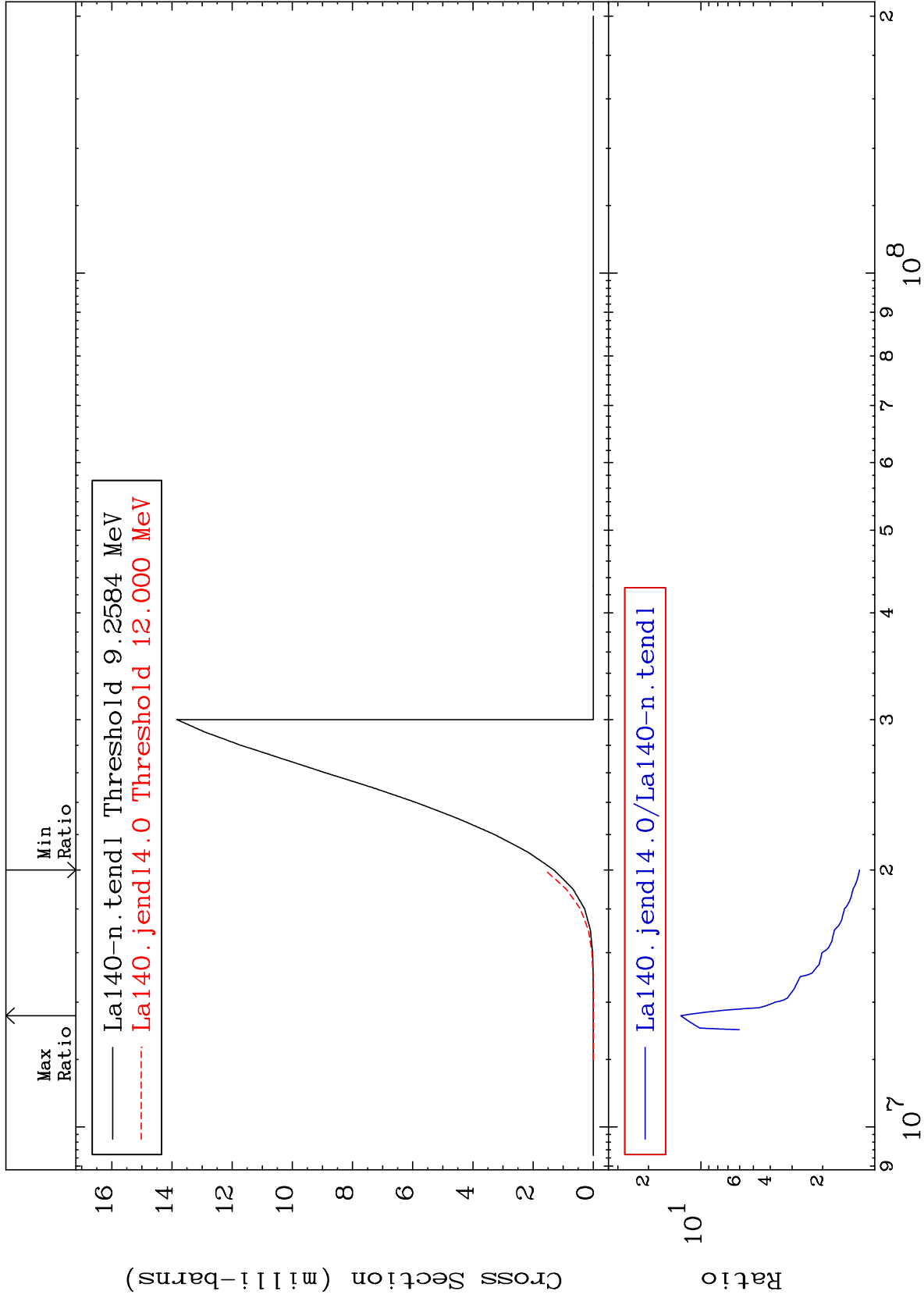
MAT 5731

(n,n') d

57-La-140

Cross Section

22.85 To 1205. %



57-La-140

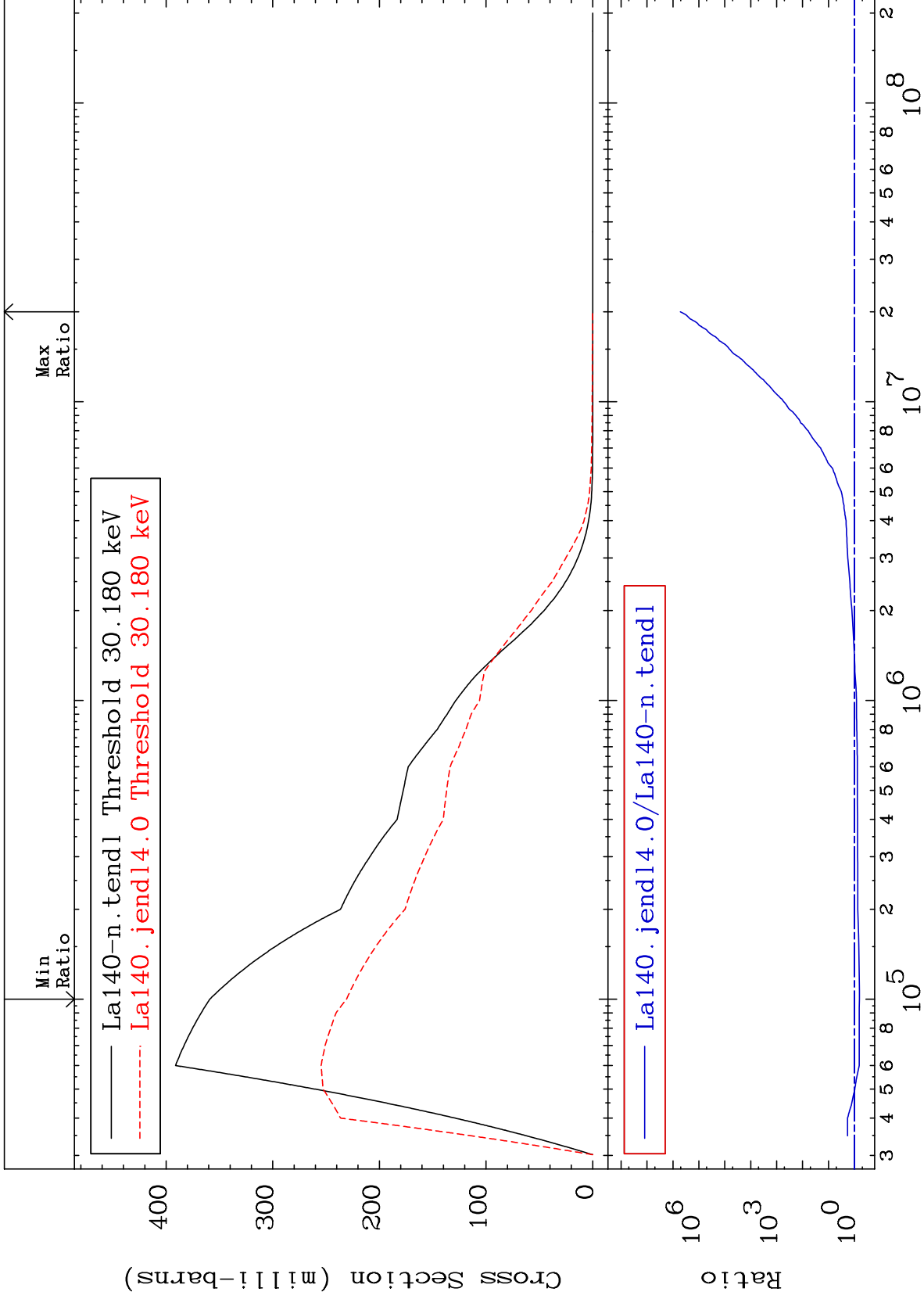
57-La-140



MAT 5731

29.96 keV (n,n') Level  
Cross Section

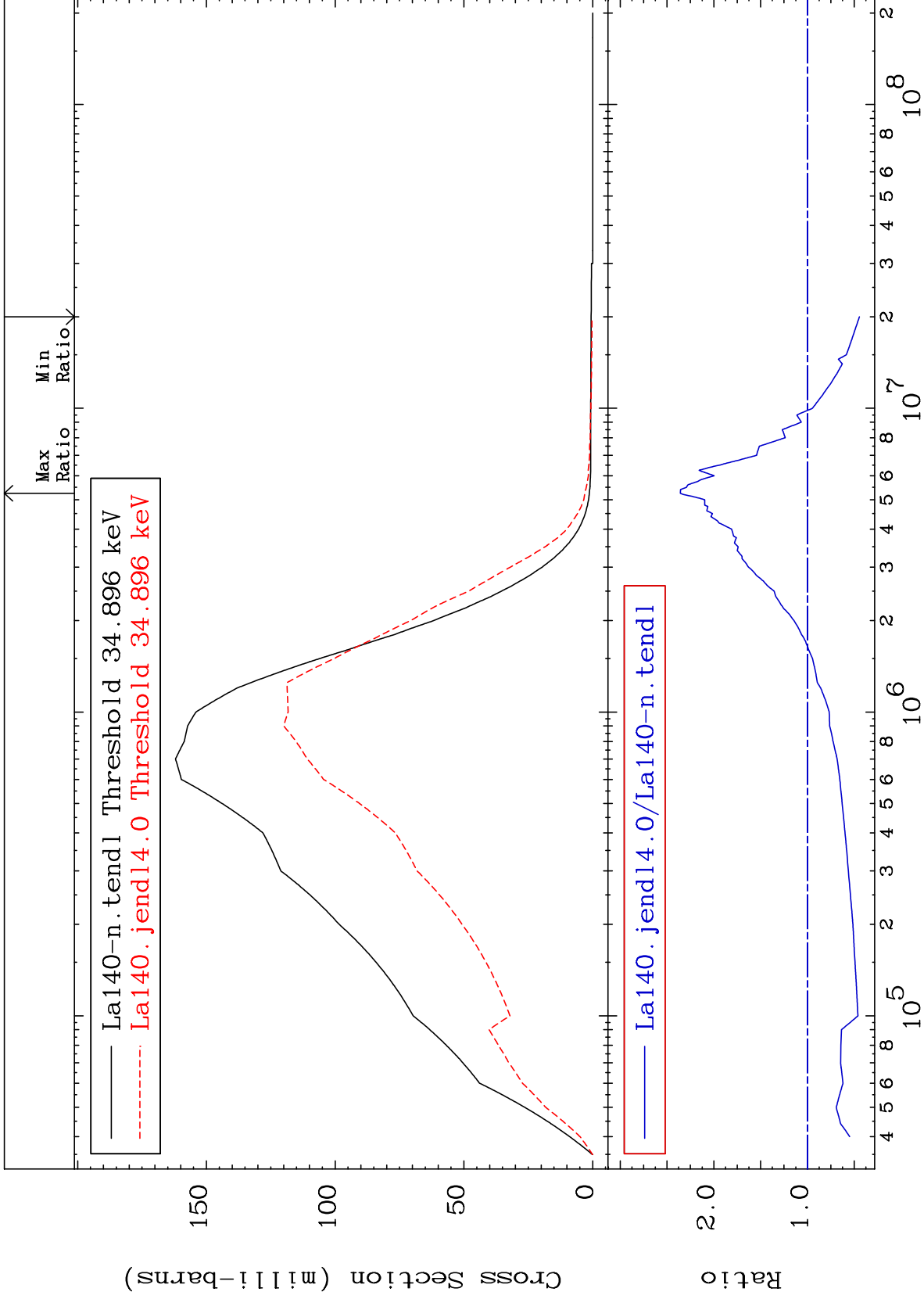
57-La-140  
-35.70 To 9999. %



MAT 5731

34.65 keV (n,n') Level  
Cross Section

57-La-140  
-55.51 To 135.7 %



10

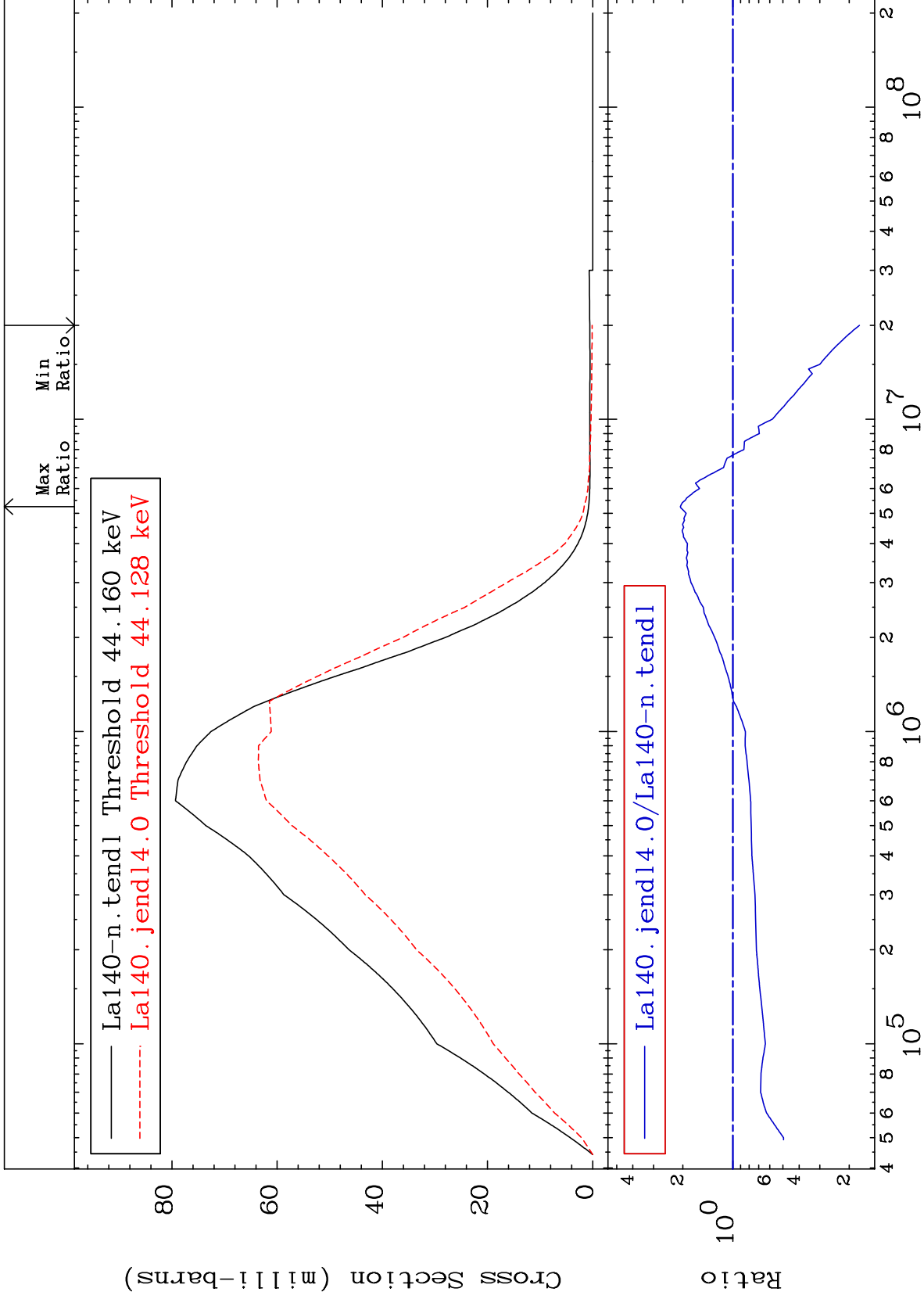
Incident Energy (eV)

57-La-140

MAT 5731

43.84 keV (n,n') Level  
Cross Section

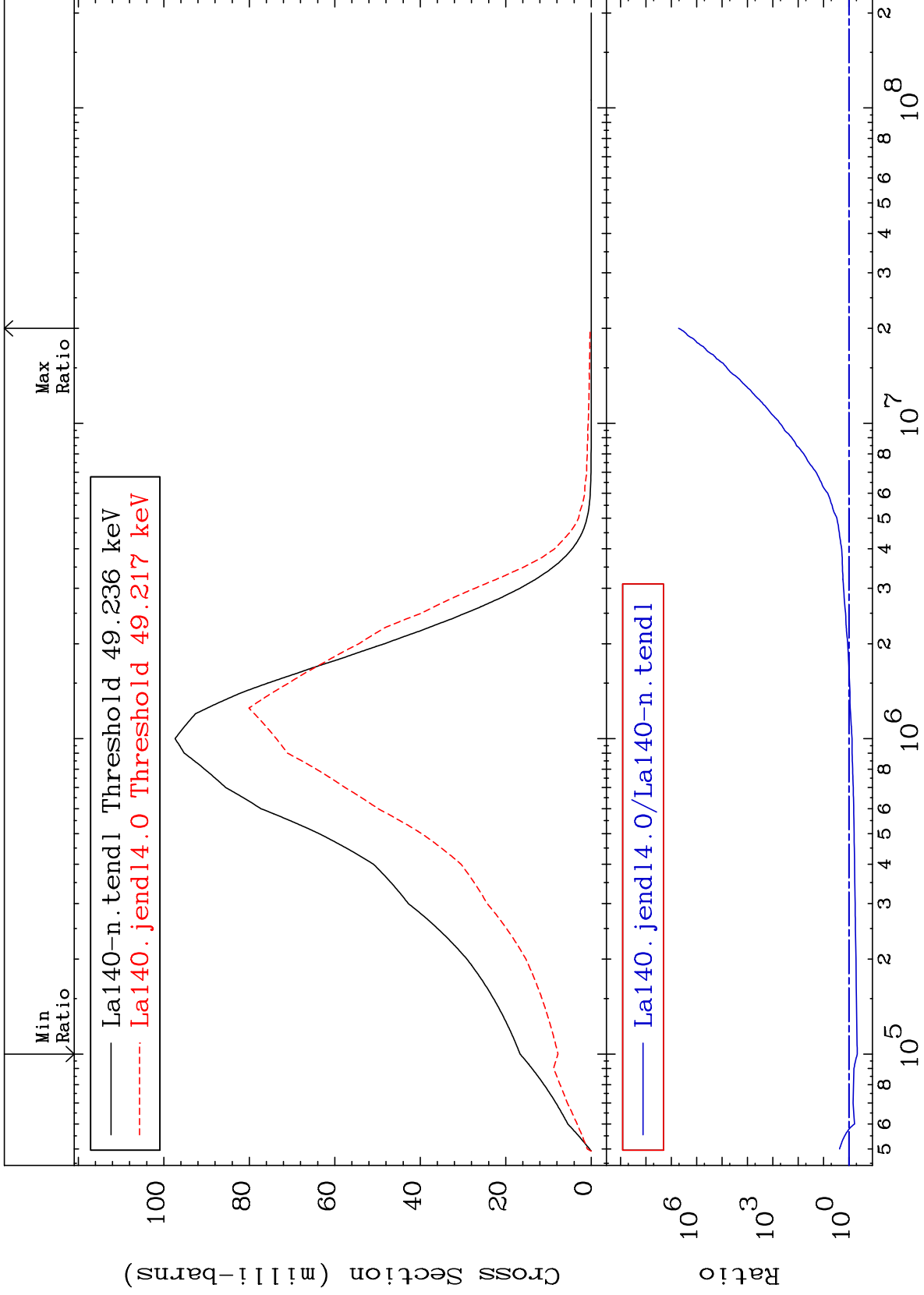
57-La-140  
-82.65 To 107.1 %



MAT 5731

48.88 keV (n,n') Level  
Cross Section

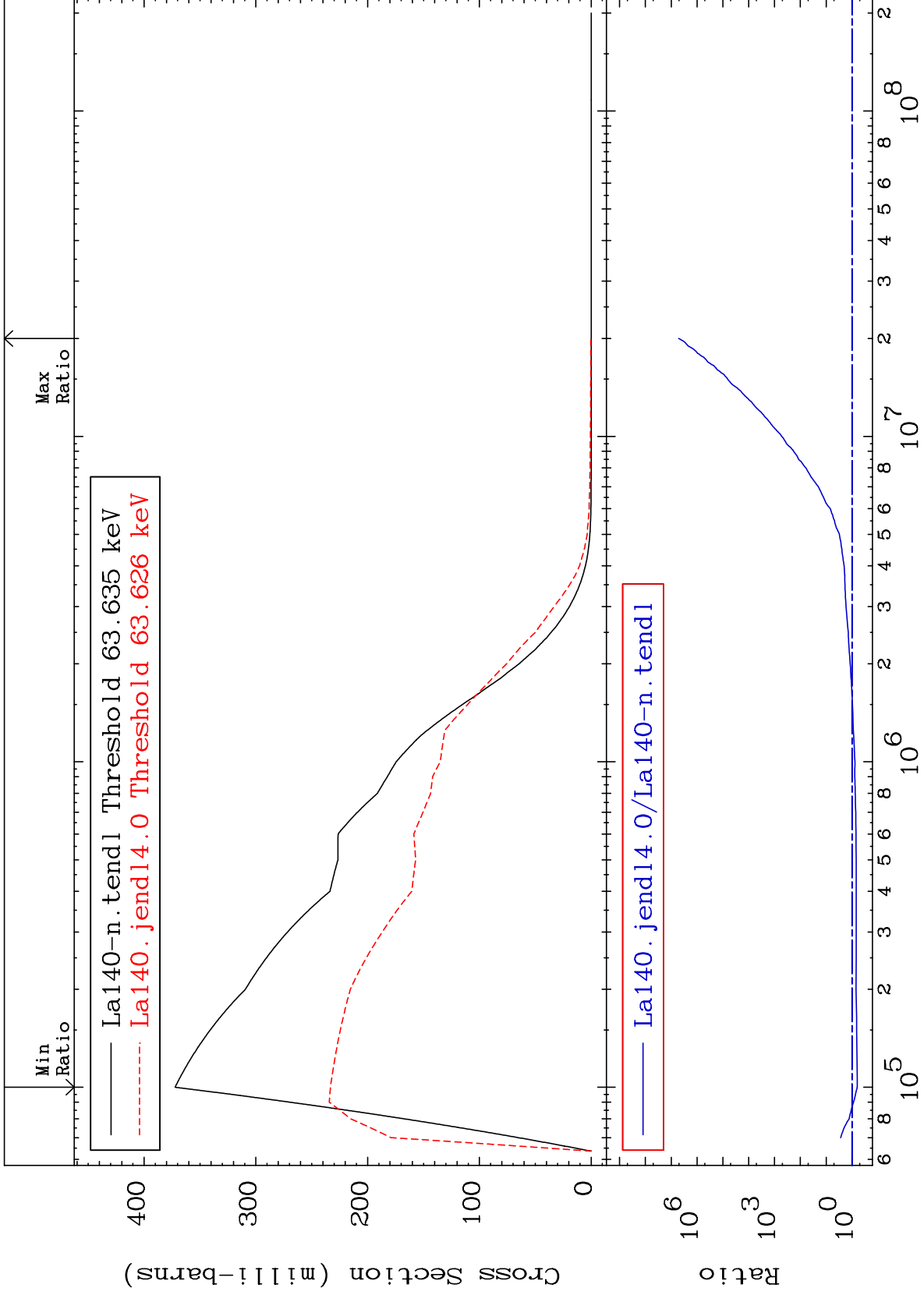
57-La-140  
-53.24 To 9999. %



MAT 5731

63.18 keV (n,n') Level  
Cross Section

57-La-140  
-37.34 To 9999. %



13

Incident Energy (eV)

57-La-140

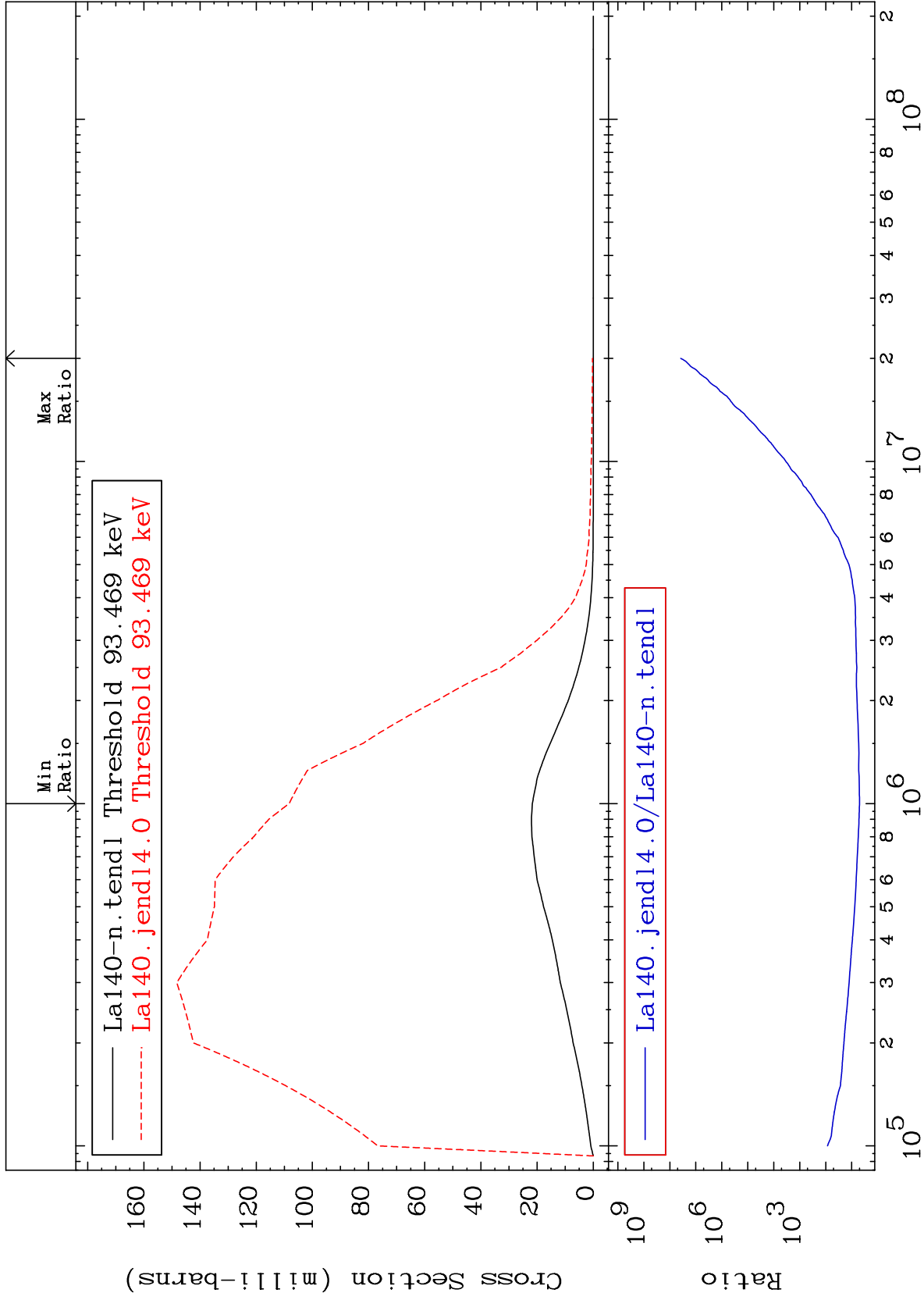
MAT 5731

92.80 keV (n,n') Level

57-La-140

399.4 To 9999. %

Cross Section



57-La-140

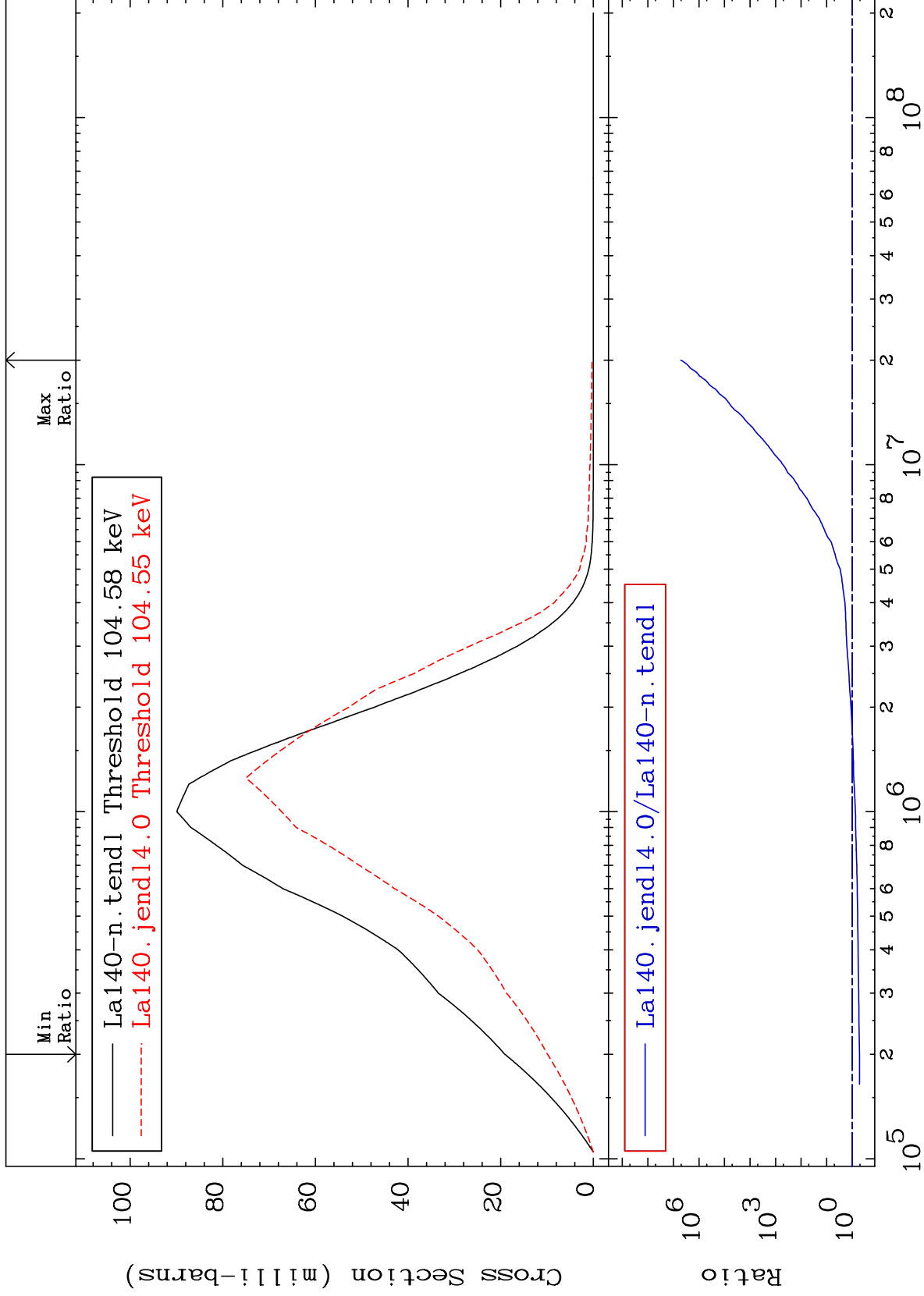
Incident Energy (eV)

14

MAT 5731

103.8 keV (n,n') Level  
Cross Section

57-La-140  
-48.20 To 9999. %



15

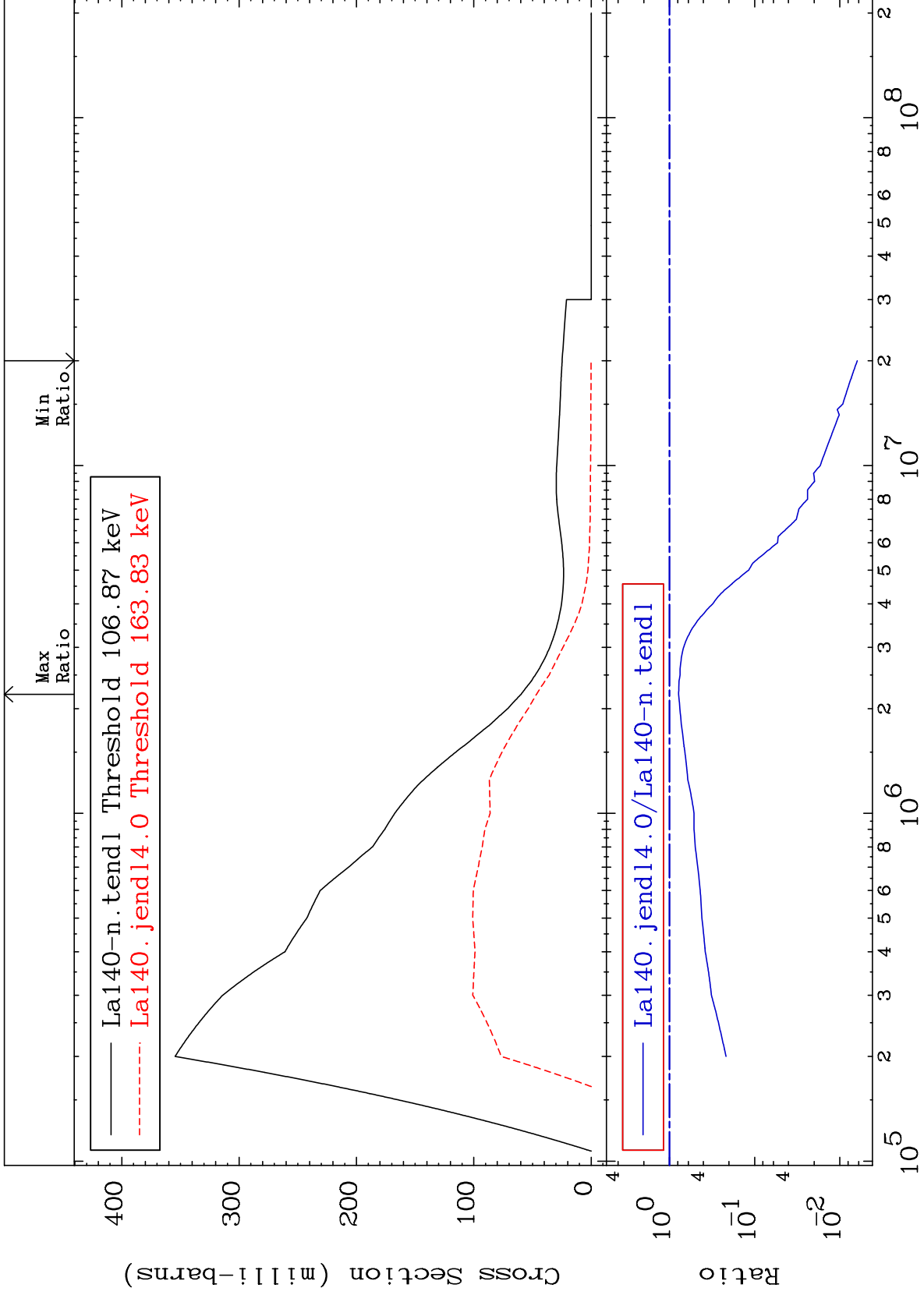
Incident Energy (eV)

57-La-140

MAT 5731

106.1 keV (n,n') Level  
Cross Section

57-La-140  
-99.38 To -22.00%



Incident Energy (eV)

57-La-140

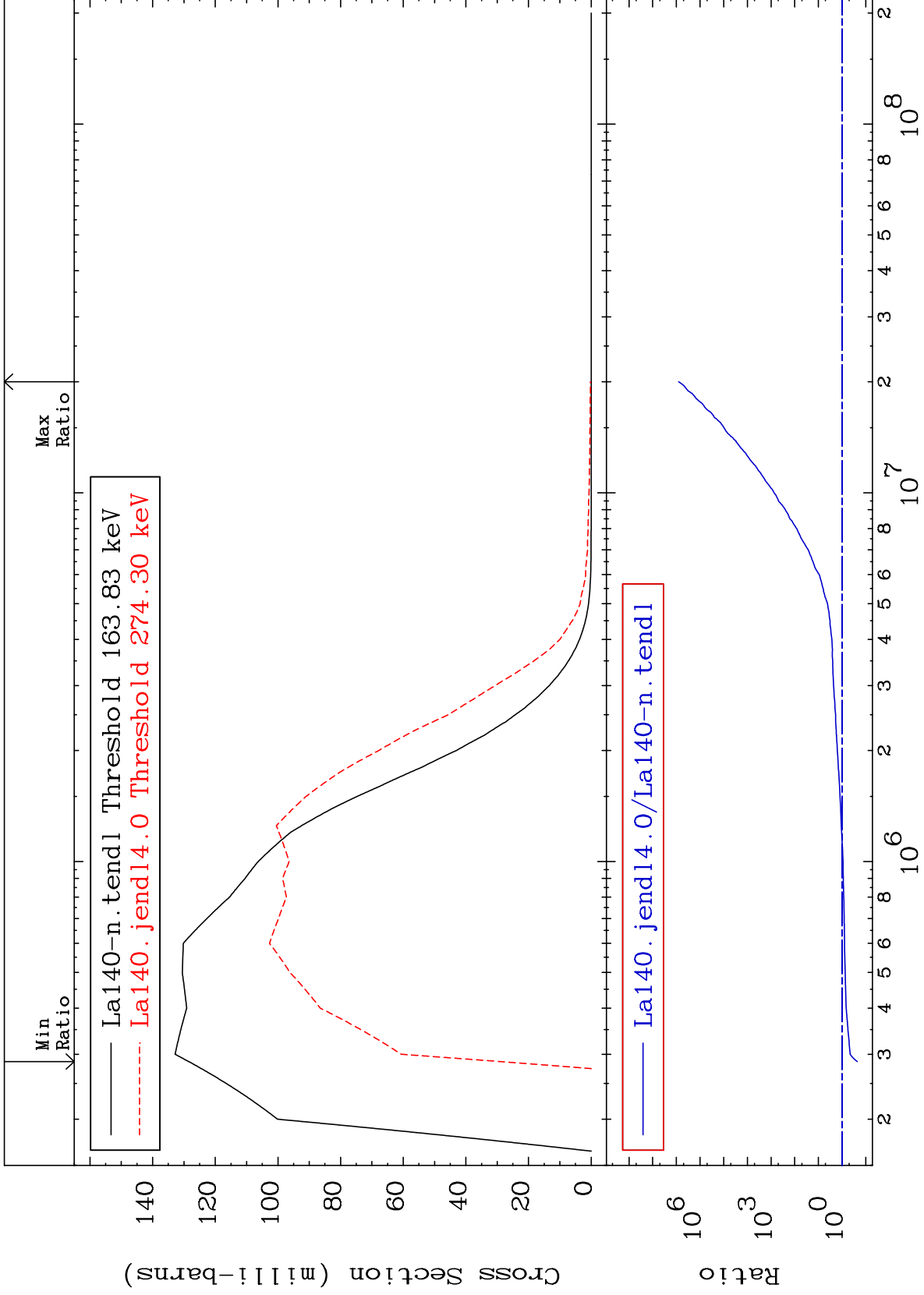
16



MAT 5731

162.7 keV (n,n') Level  
Cross Section

57-La-140  
-77.19 To 9999. %



17

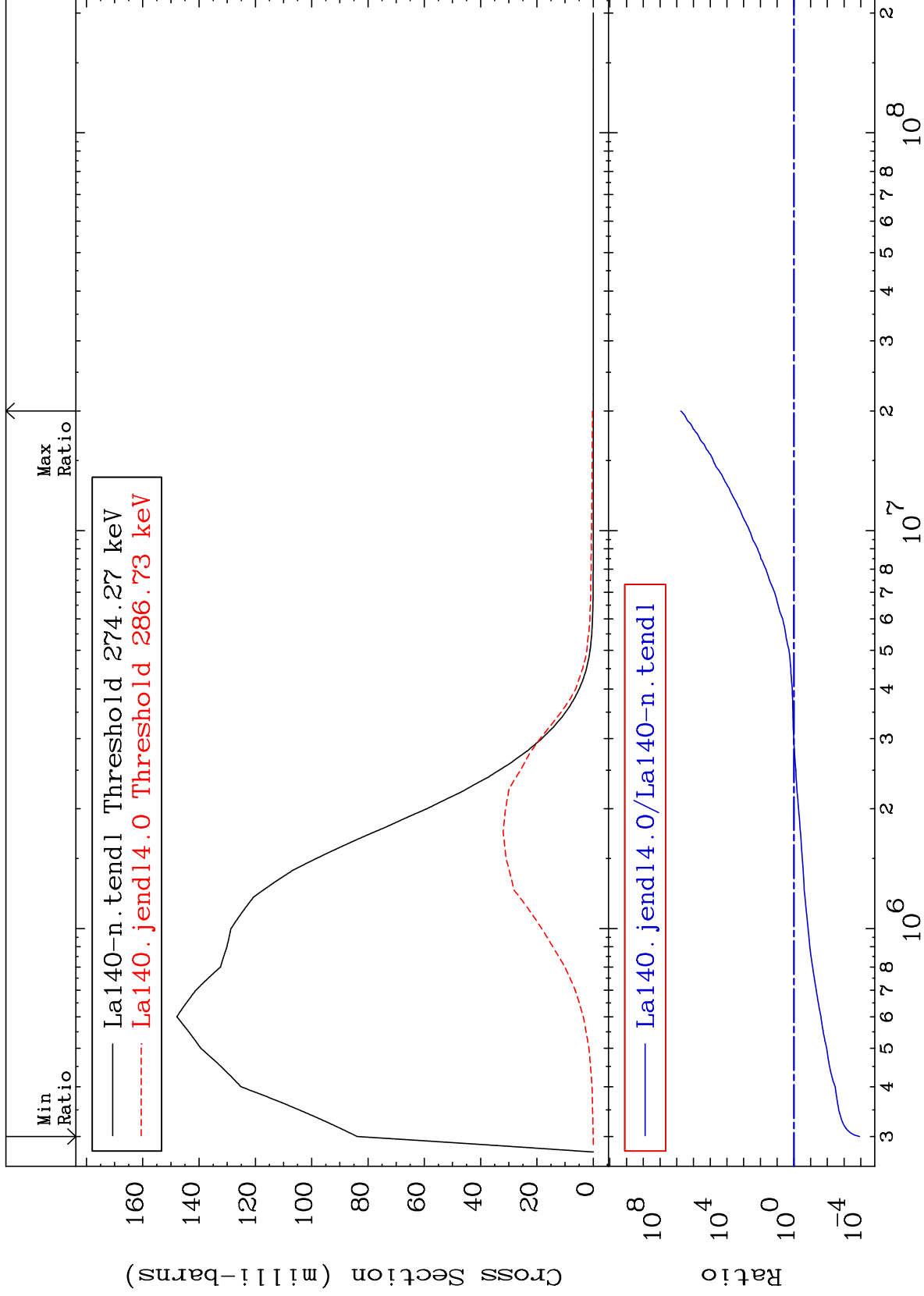
Incident Energy (eV)

57-La-140

MAT 5731

272.3 keV (n,n') Level  
Cross Section

57-La-140  
-99.99 To 9999. %



18

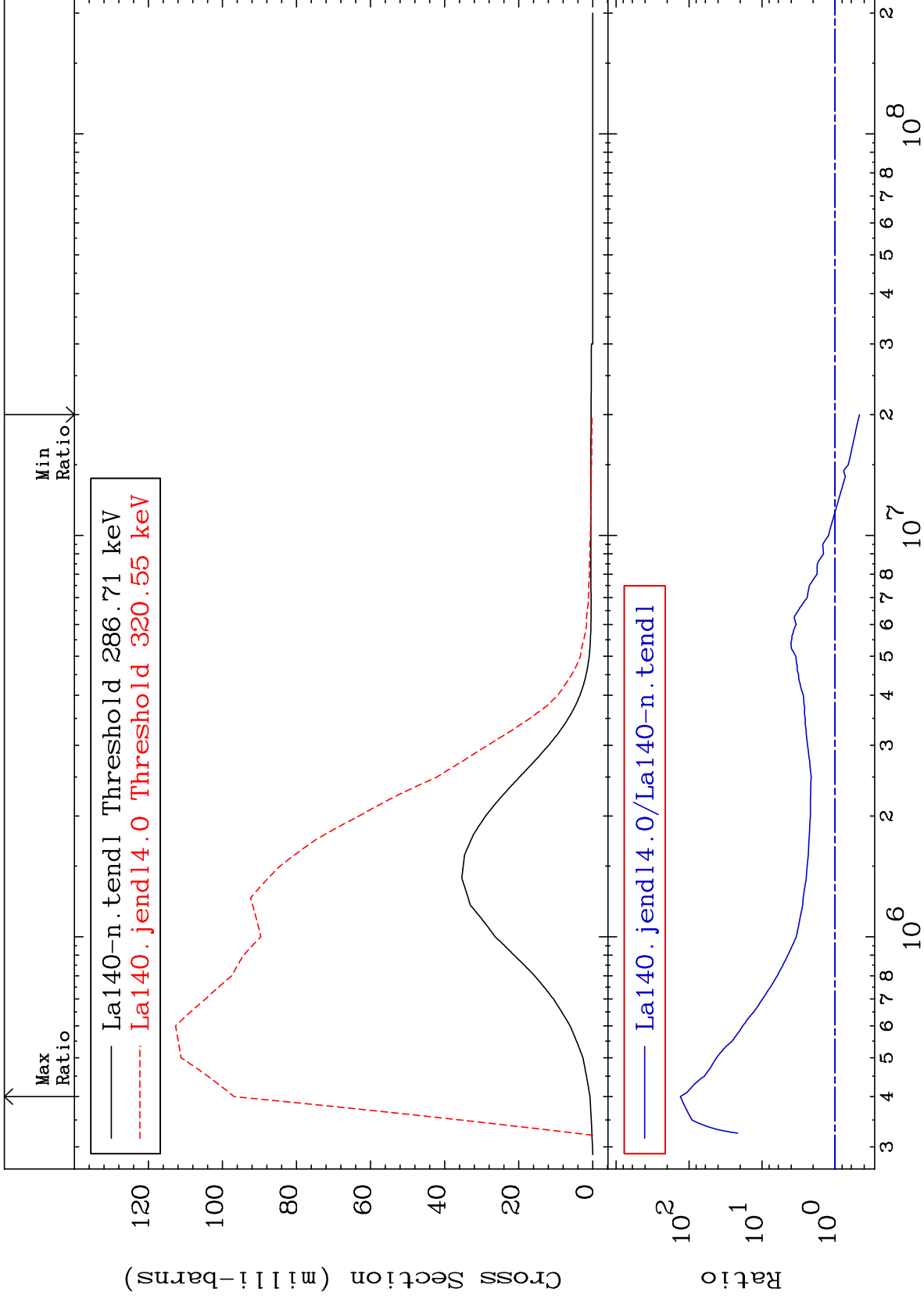
Incident Energy (eV)

57-La-140

MAT 5731

284.7 keV (n,n') Level  
Cross Section

57-La-140  
-53.59 To 9999. %



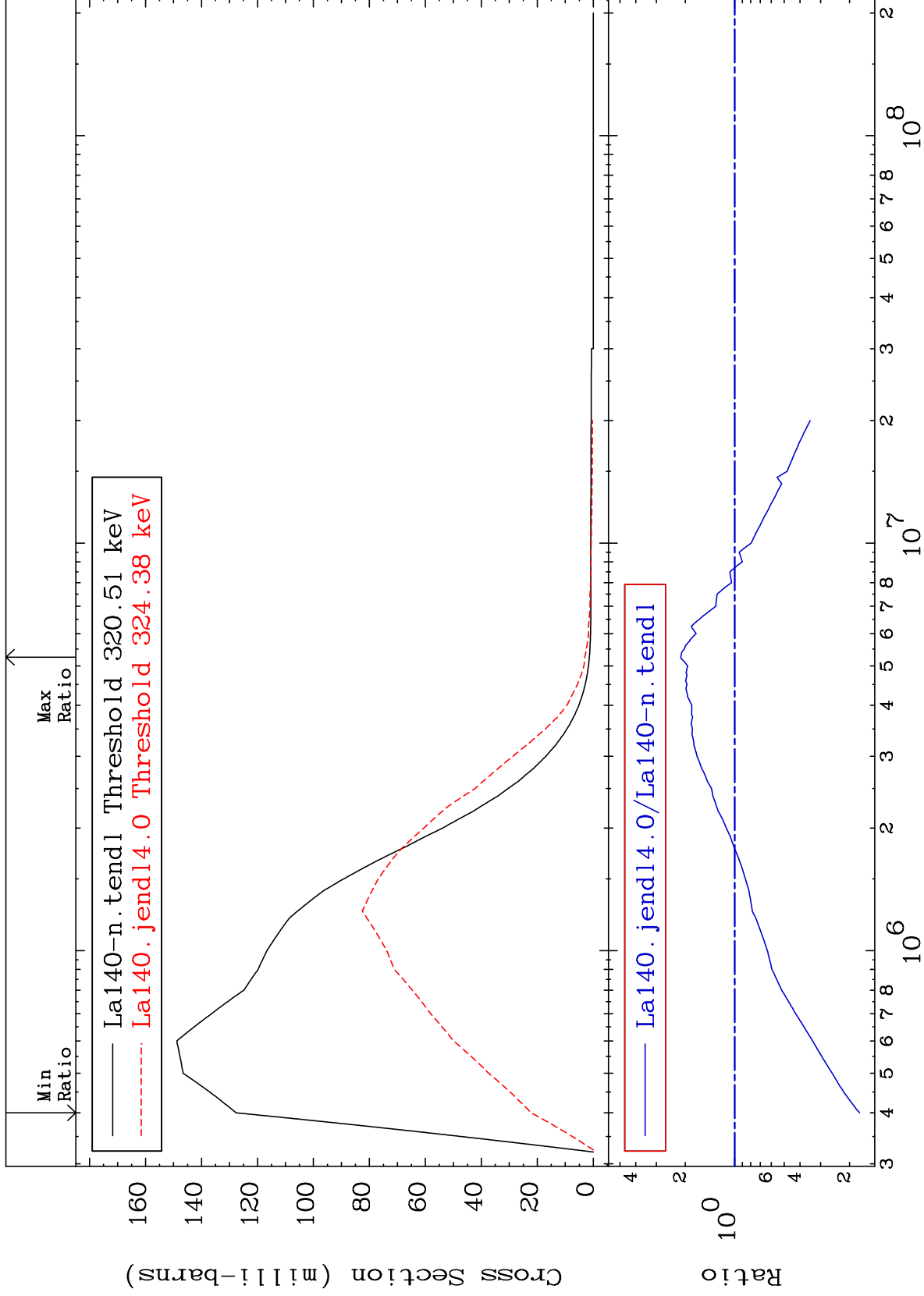
MAT 5731

318.2 keV (n,n') Level

57-La-140

-82.62 To 113.1 %

Cross Section



20

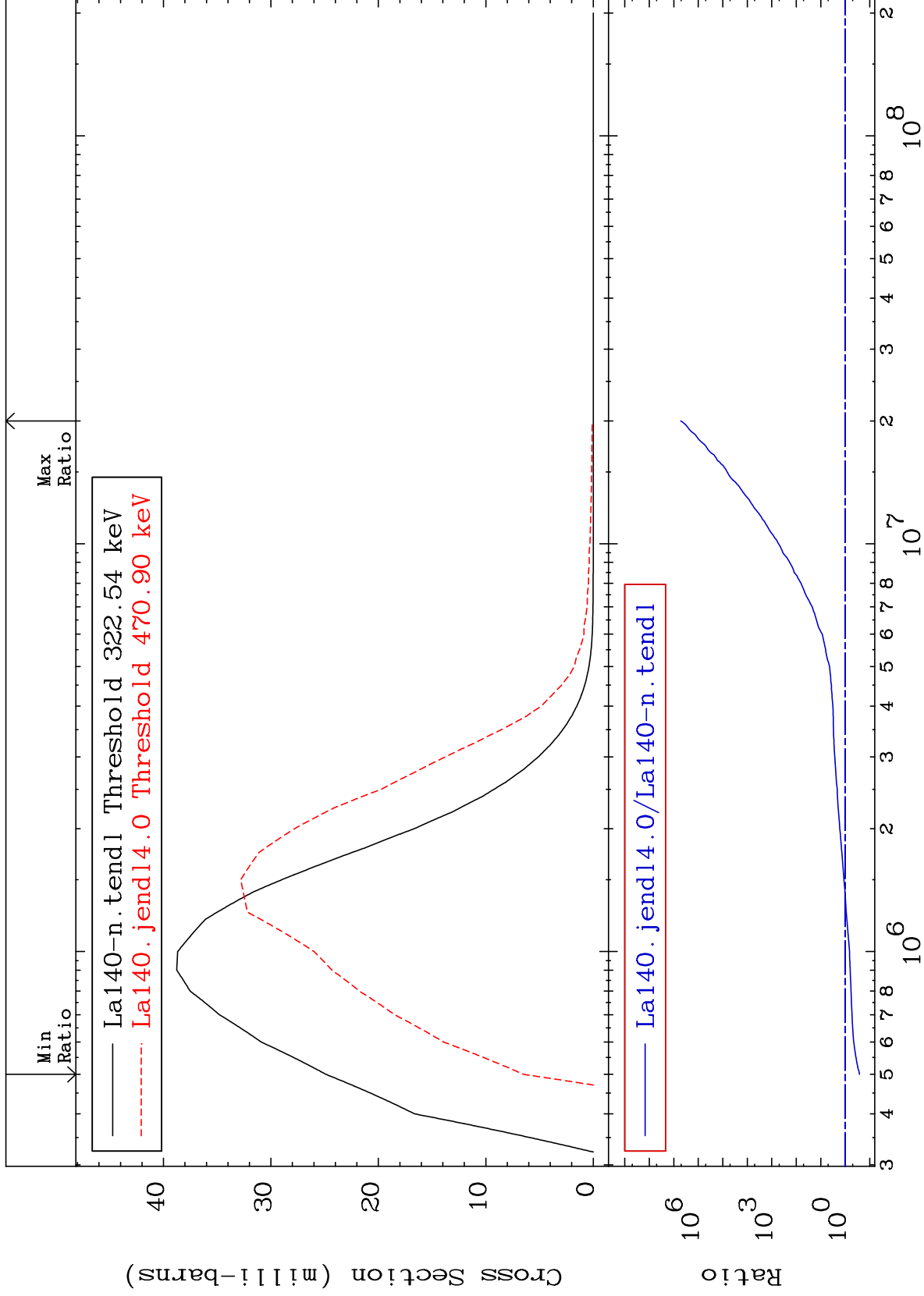
Incident Energy (eV)

57-La-140

MAT 5731

320.2 keV (n,n') Level  
Cross Section

57-La-140  
-73.95 To 9999. %



21

57-La-140

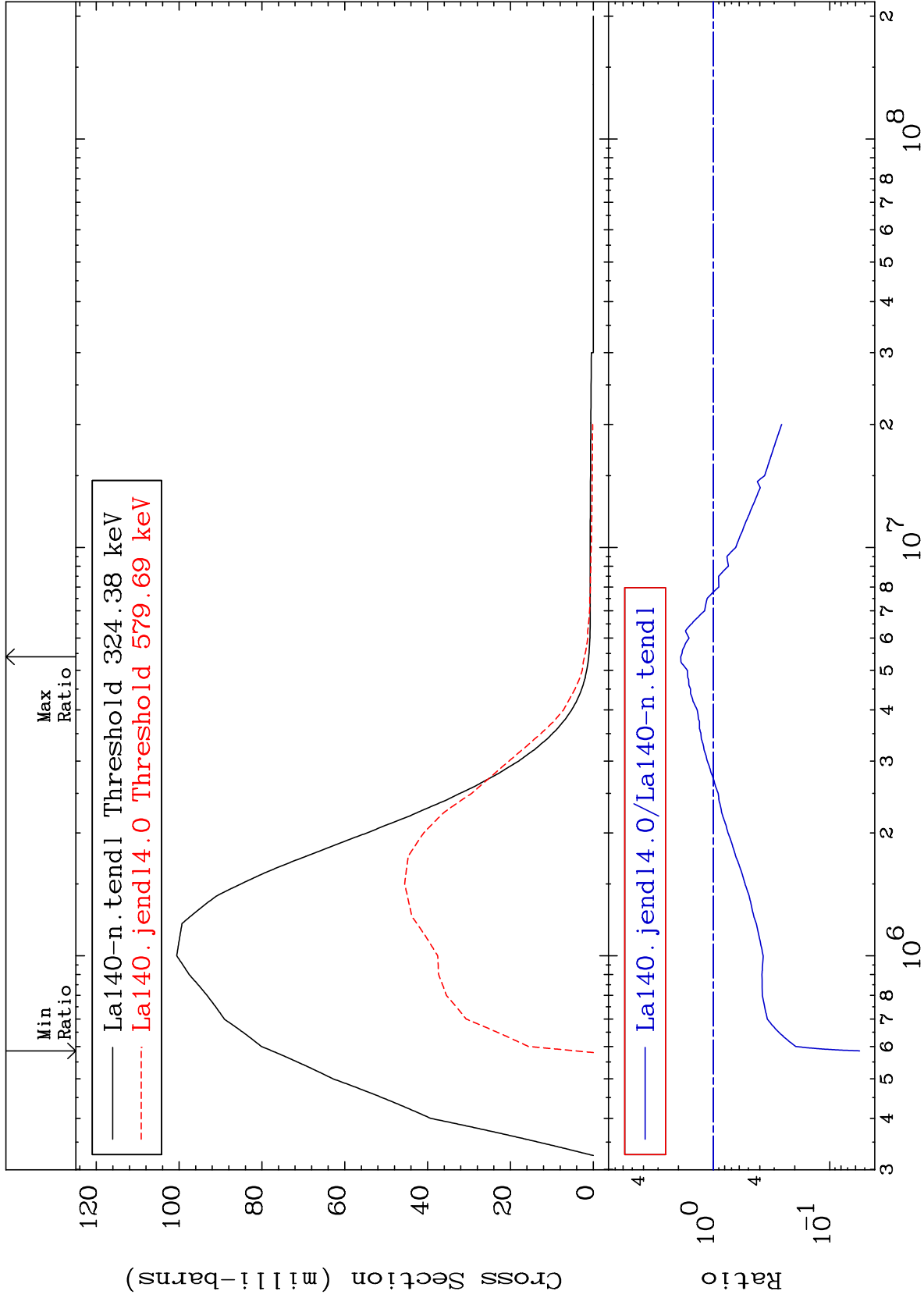
MAT 5731

322.1 keV (n,n') Level

57-La-140

-94.46 To 91.04 %

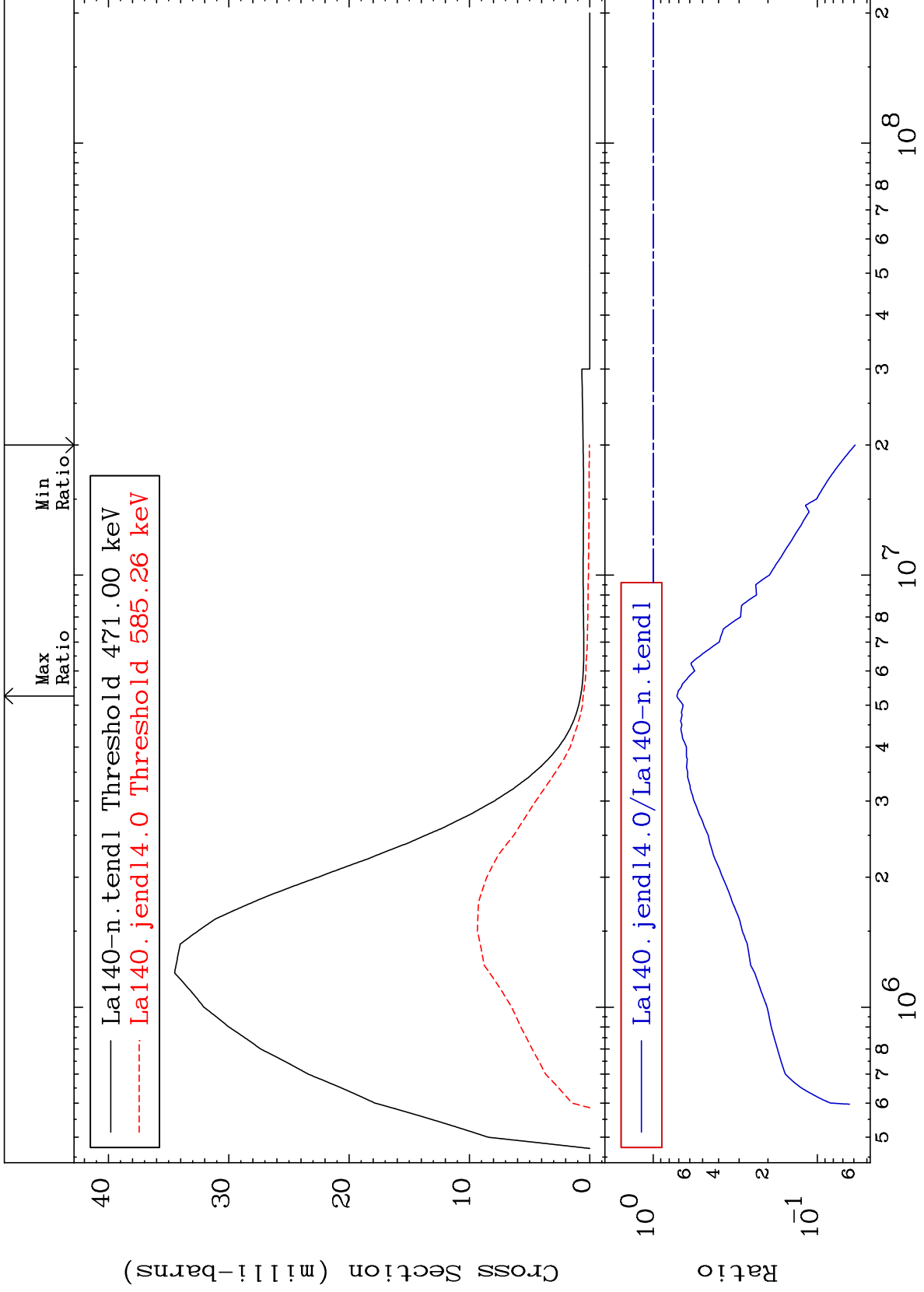
Cross Section



MAT 5731

467.6 keV (n,n') Level  
Cross Section

57-La-140  
-94.11 To -28.23%



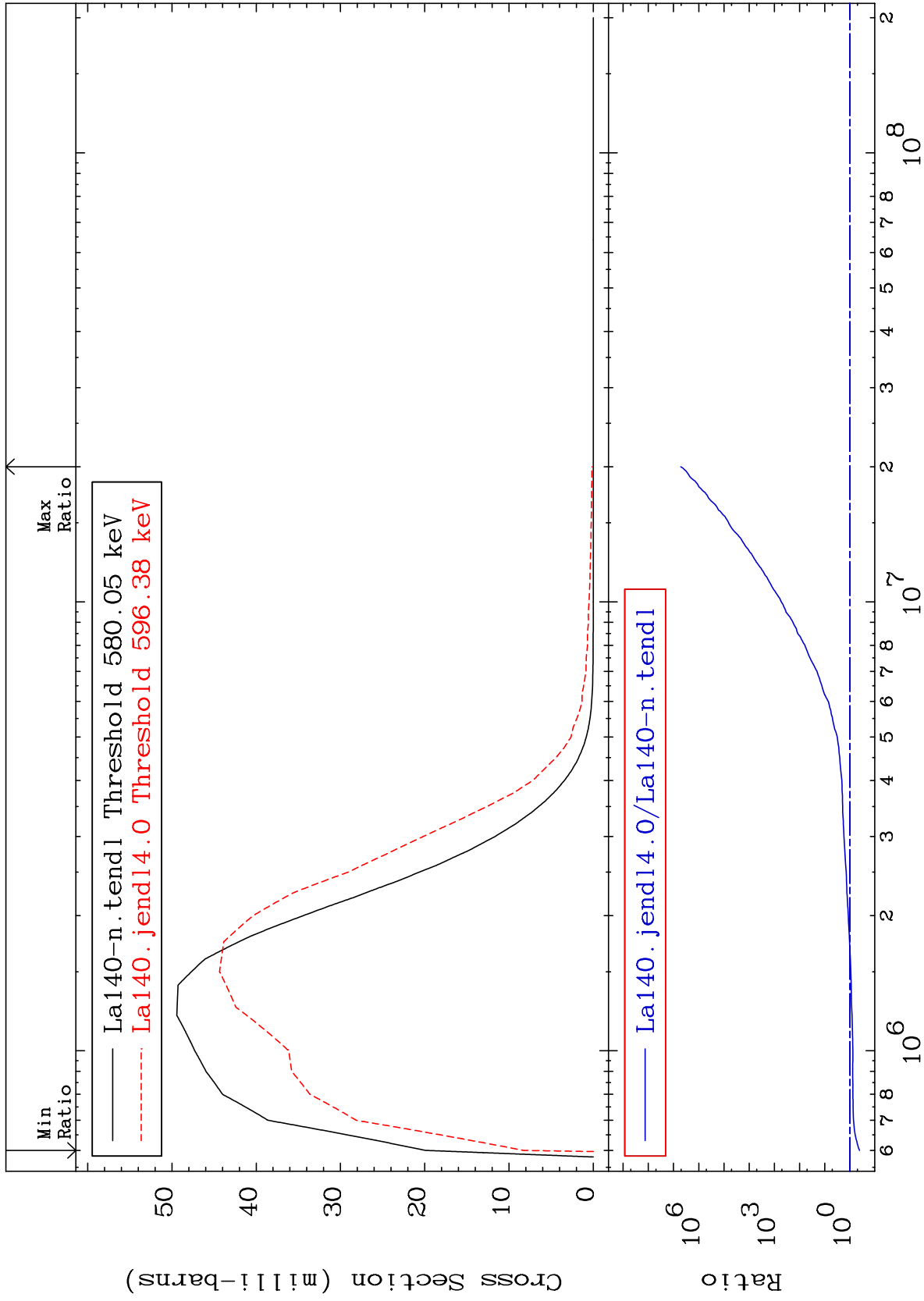
MAT 5731

575.9 keV (n,n') Level

57-La-140

-58.39 To 9999. %

Cross Section



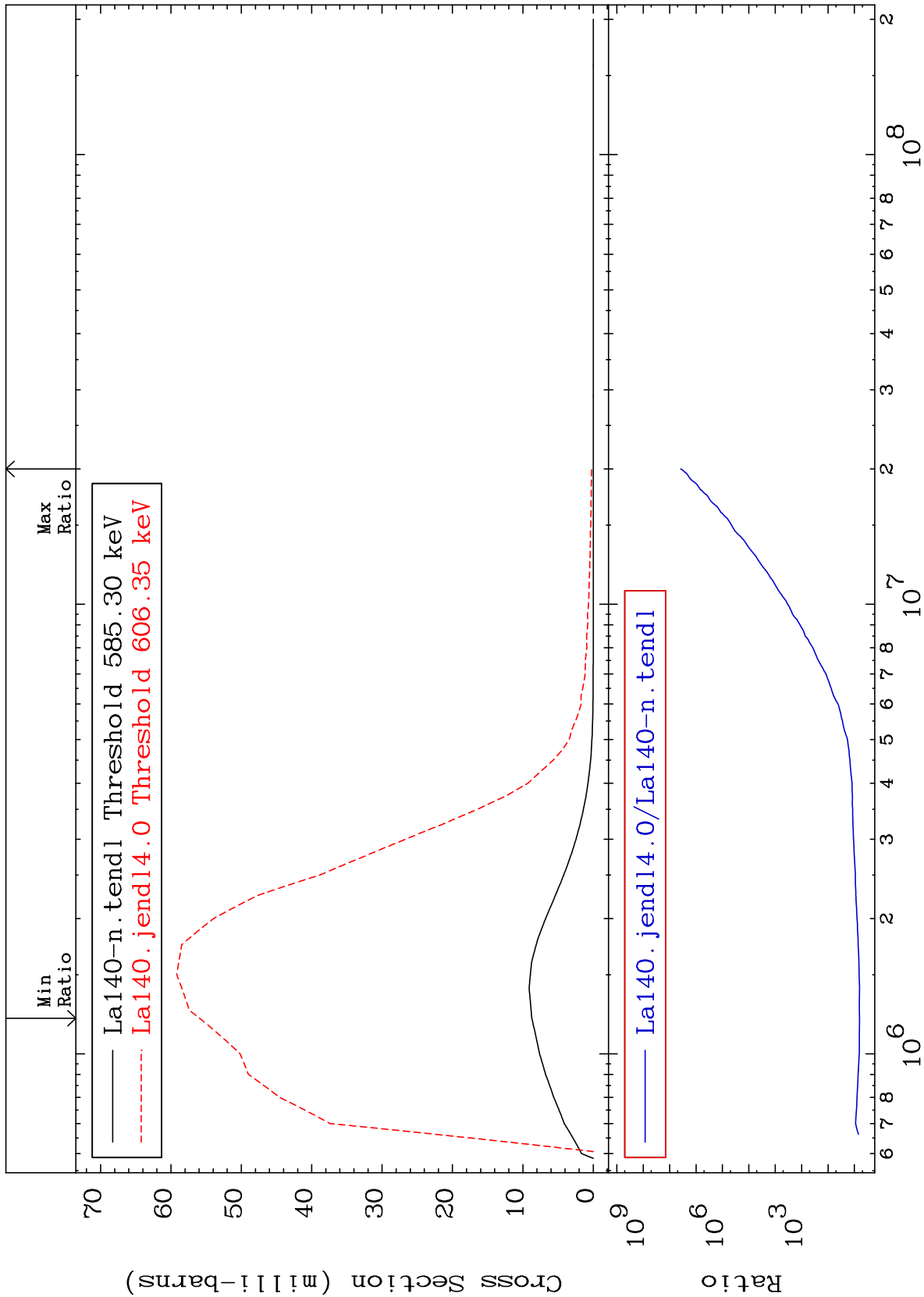
24

Incident Energy (eV)

57-La-140



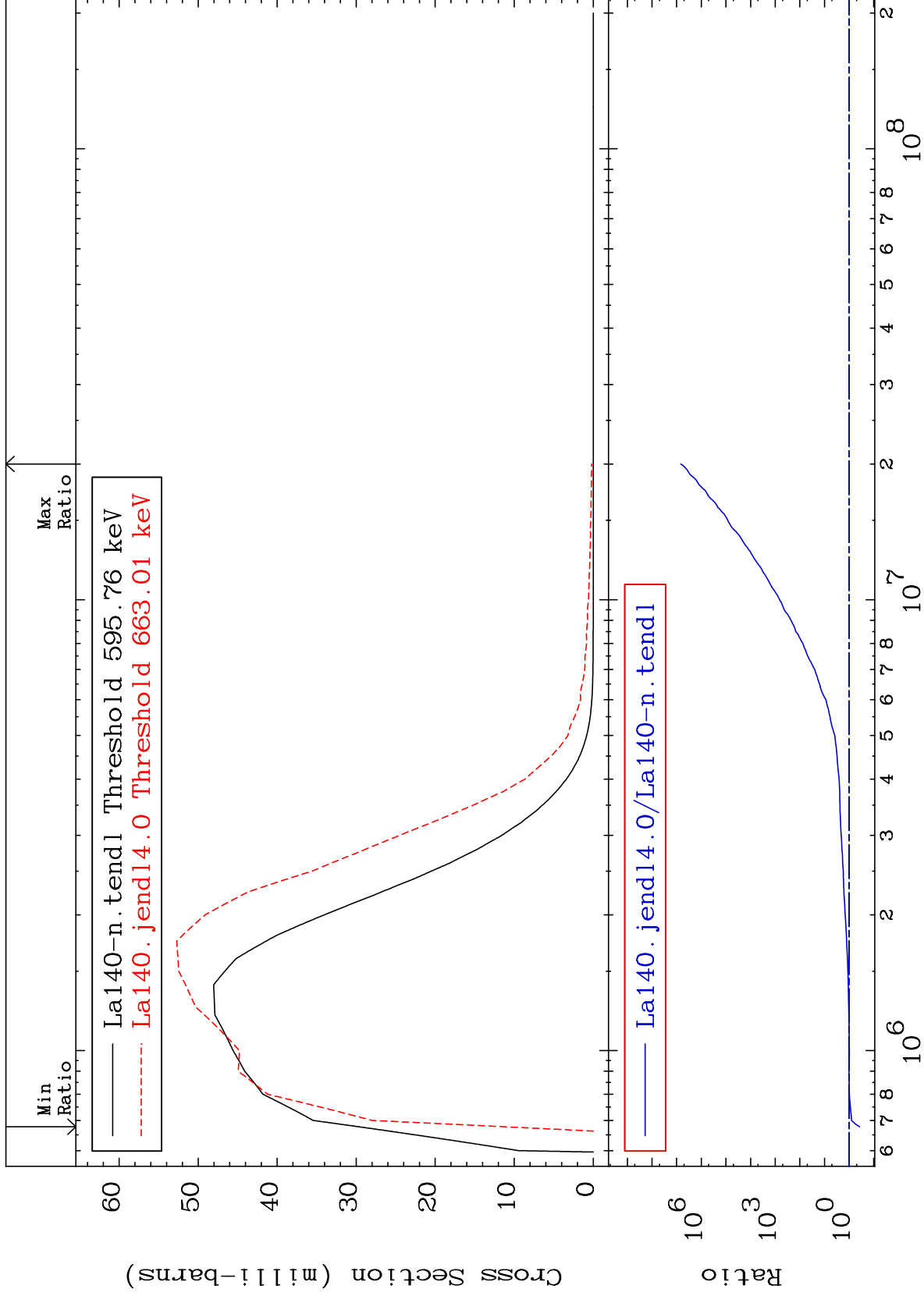
MAT 5731 581.1 keV (n,n') Level 57-La-140  
 Cross Section 540.5 To 9999. %



MAT 5731

591.5 keV (n,n') Level  
Cross Section

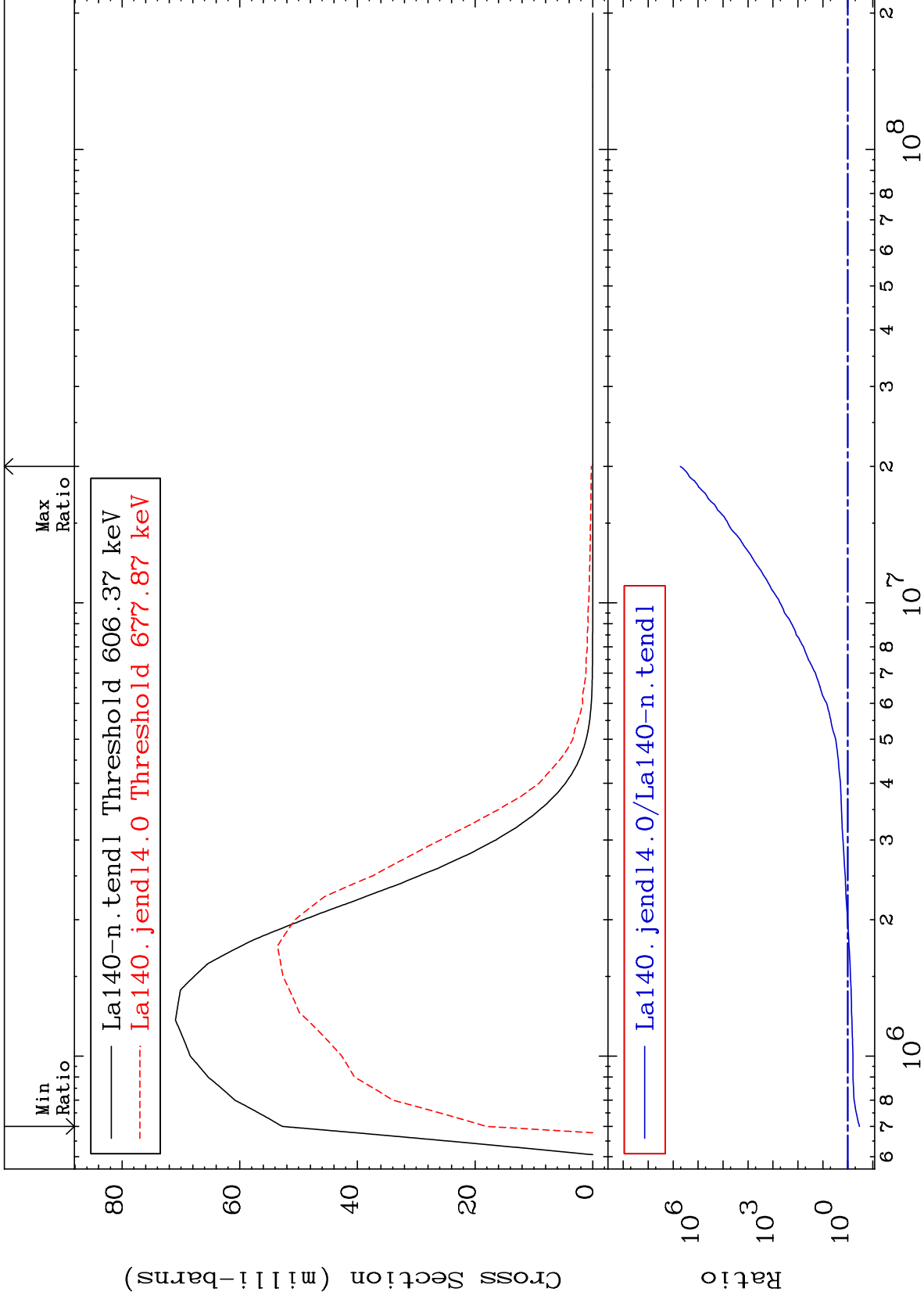
57-La-140  
-62.14 To 9999. %



MAT 5731

602.0 keV (n,n') Level  
Cross Section

57-La-140  
-65.75 To 9999. %



27

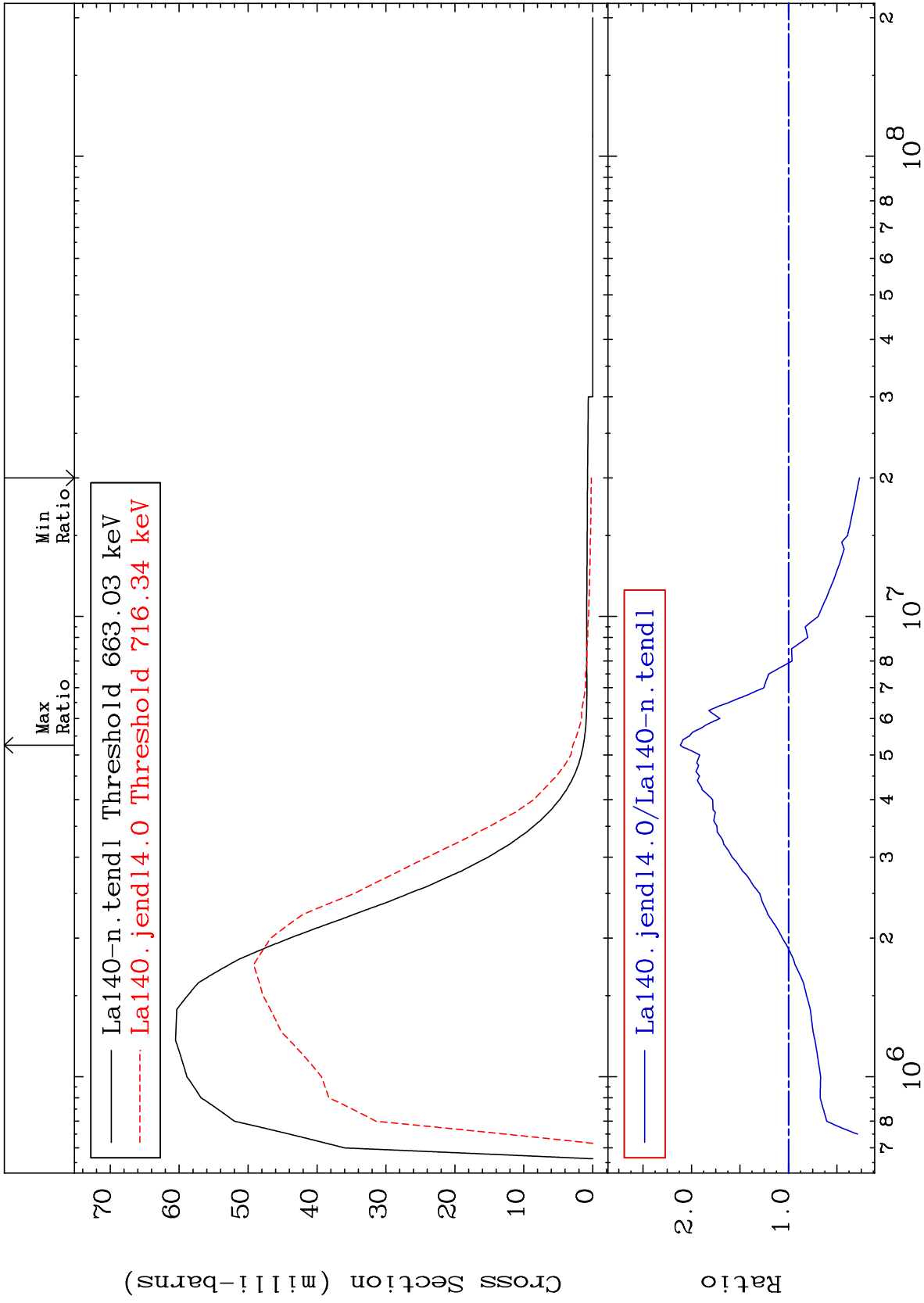
Incident Energy (eV)

57-La-140

MAT 5731

658.3 keV (n,n') Level  
Cross Section

57-La-140  
-73.17 To 111.5 %



28

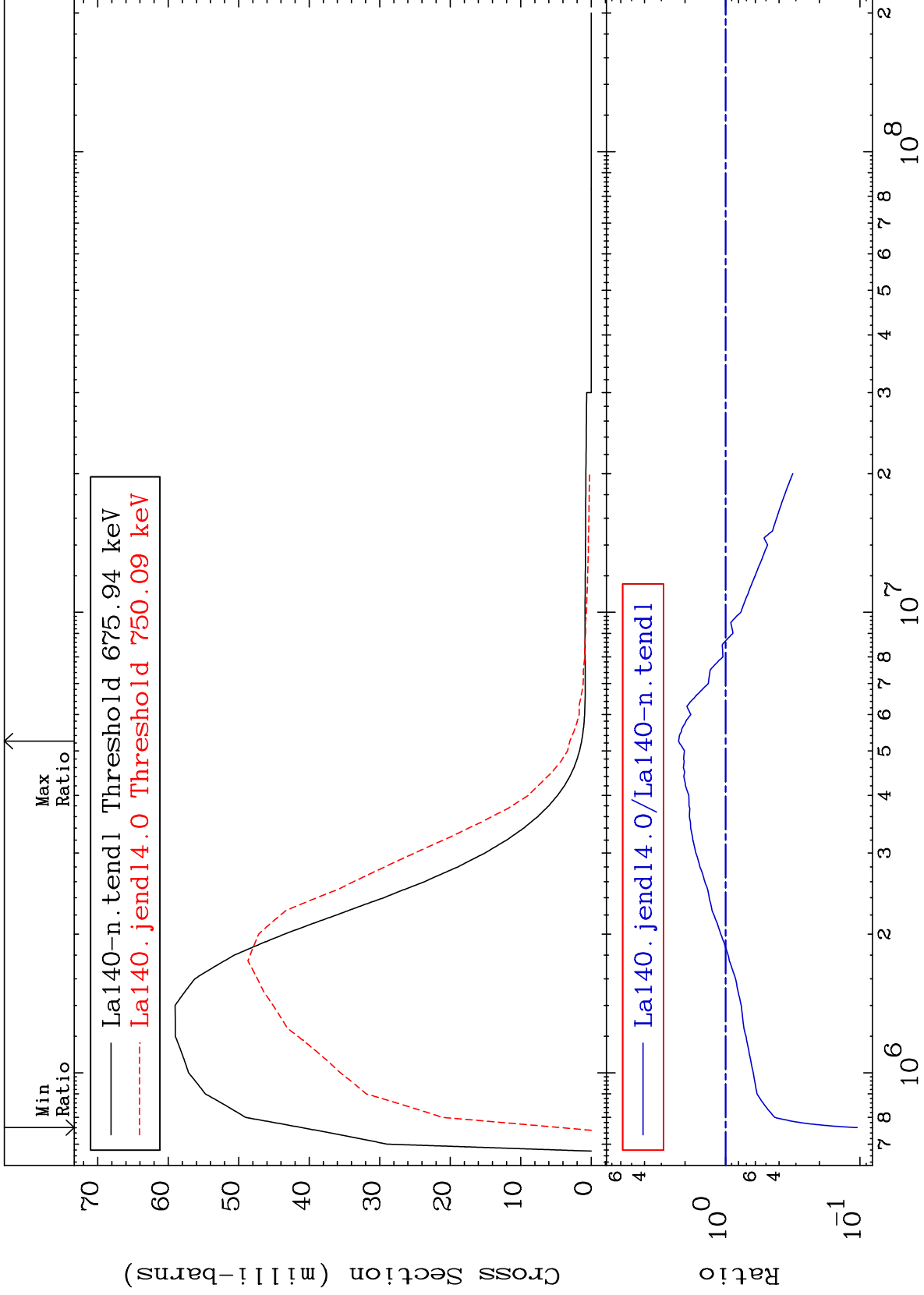
Incident Energy (eV)

57-La-140

MAT 5731

671.1 keV (n,n') Level  
Cross Section

57-La-140  
-89.52 To 123.1 %



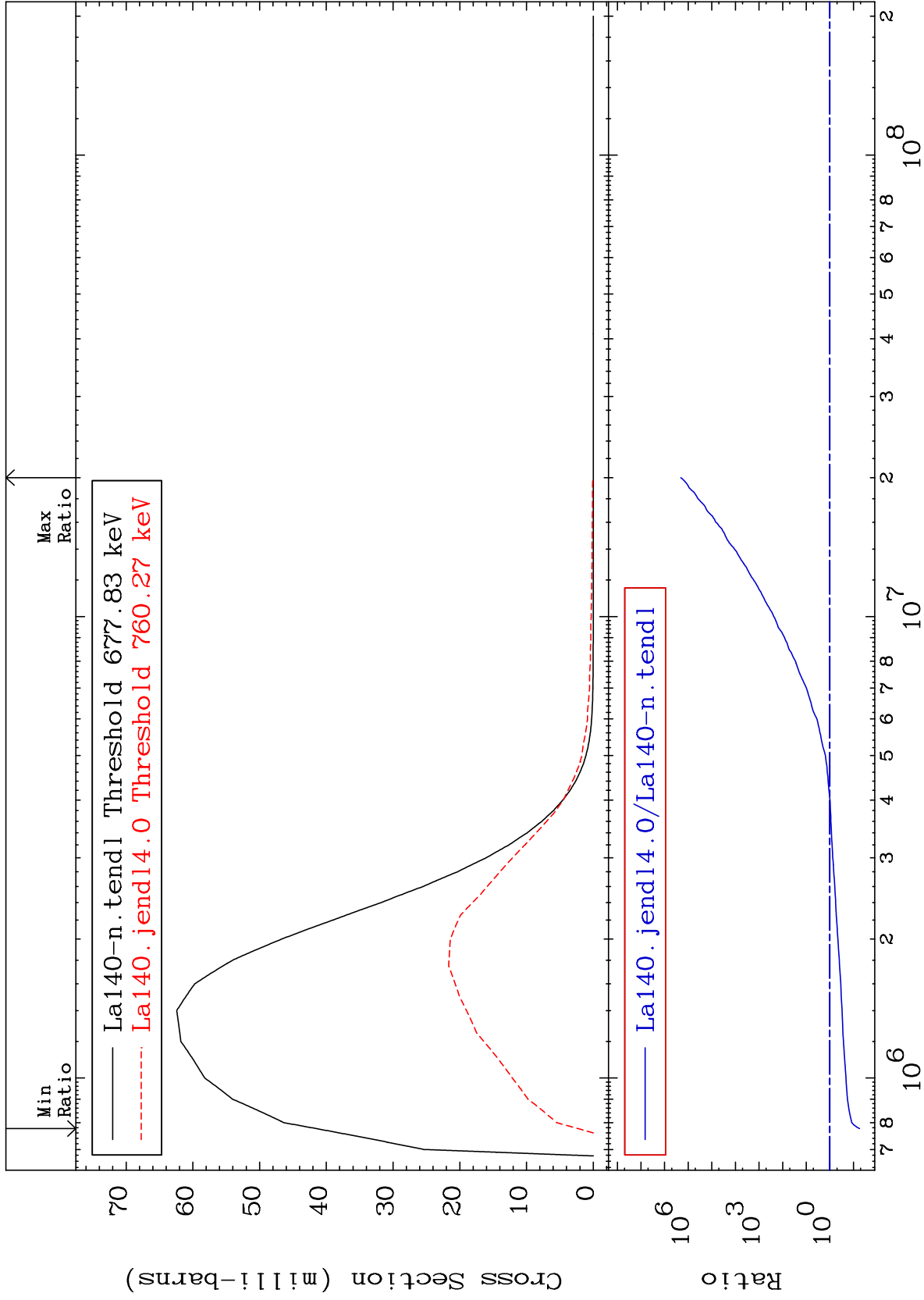
MAT 5731

673.0 keV (n,n') Level

57-La-140

-94.46 To 9999. %

Cross Section



30

Incident Energy (eV)

57-La-140

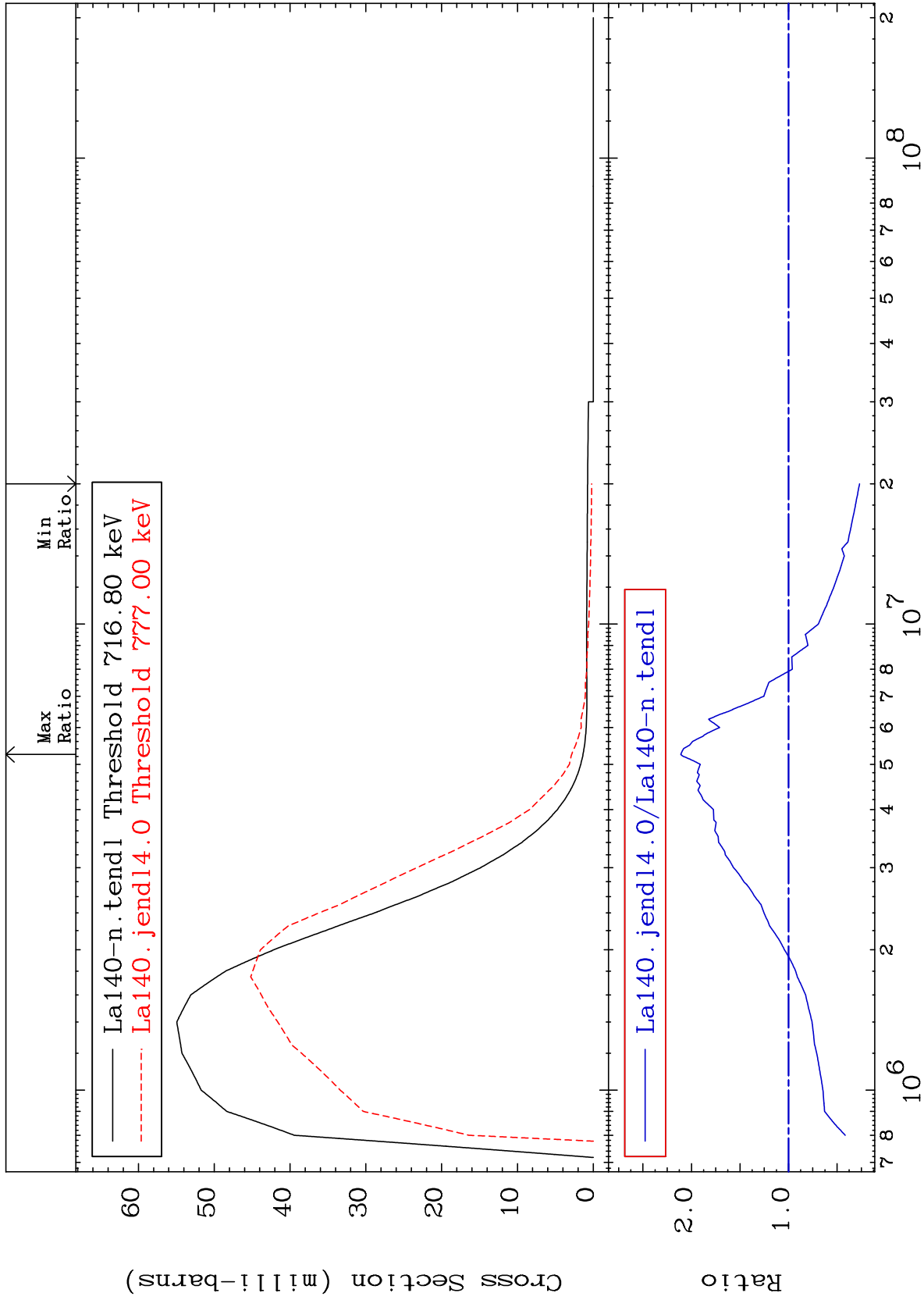
MAT 5731

711.7 keV (n,n') Level

57-La-140

-73.17 To 111.0 %

Cross Section



31

Incident Energy (eV)

57-La-140

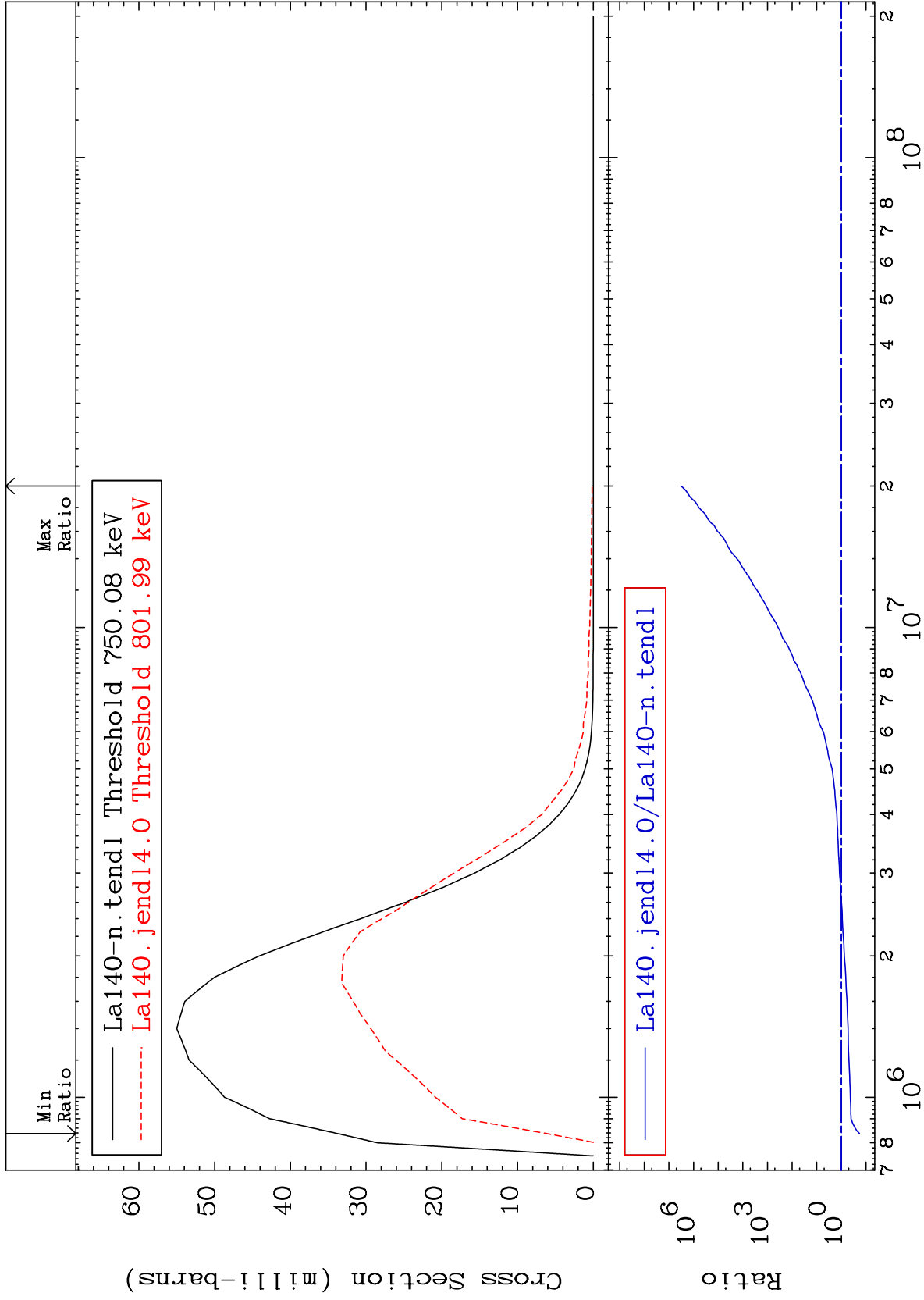
MAT 5731

744.7 keV (n,n') Level

57-La-140

-81.77 To 9999. %

Cross Section



32

Incident Energy (eV)

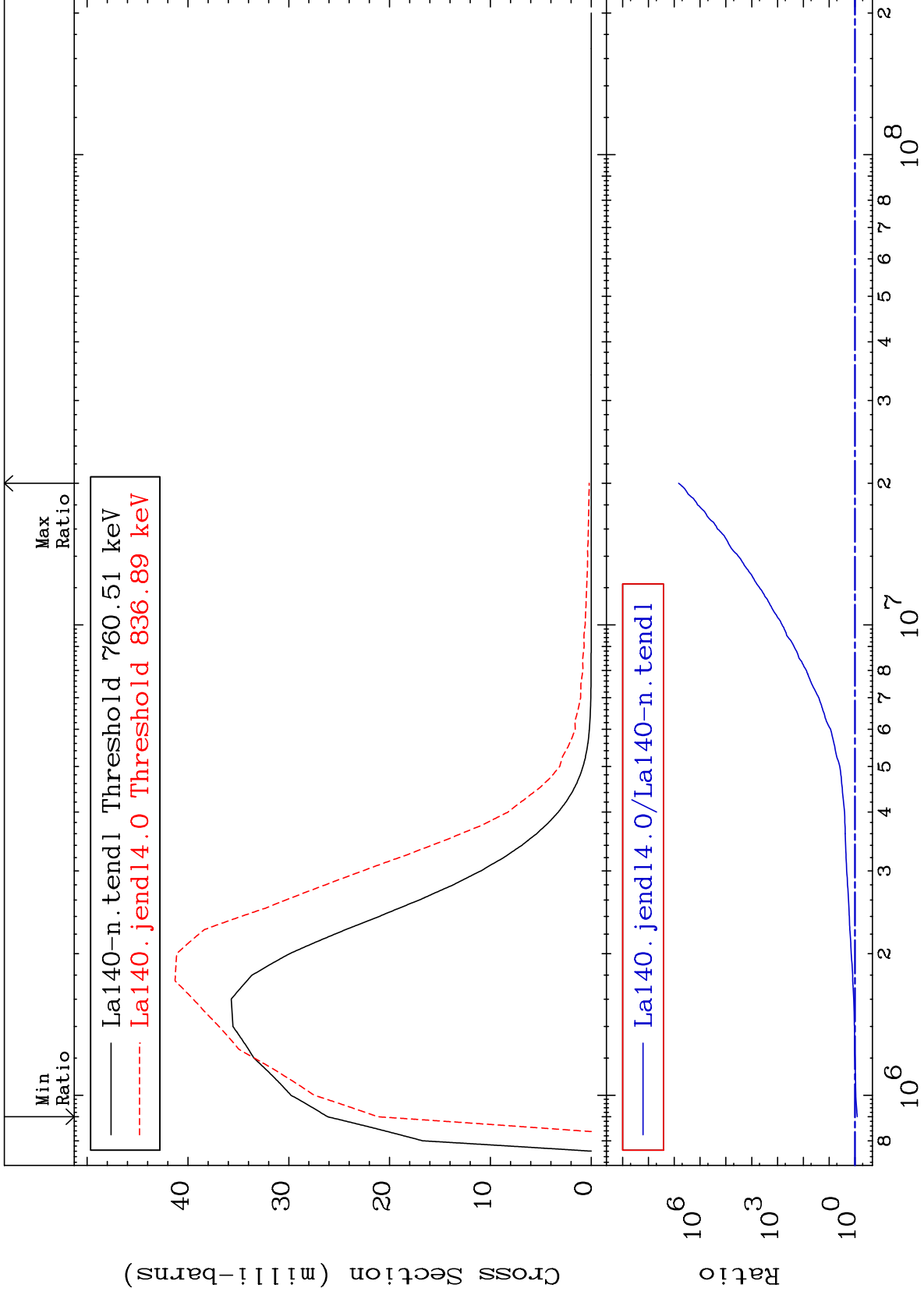
57-La-140



MAT 5731

755.1 keV (n,n') Level  
Cross Section

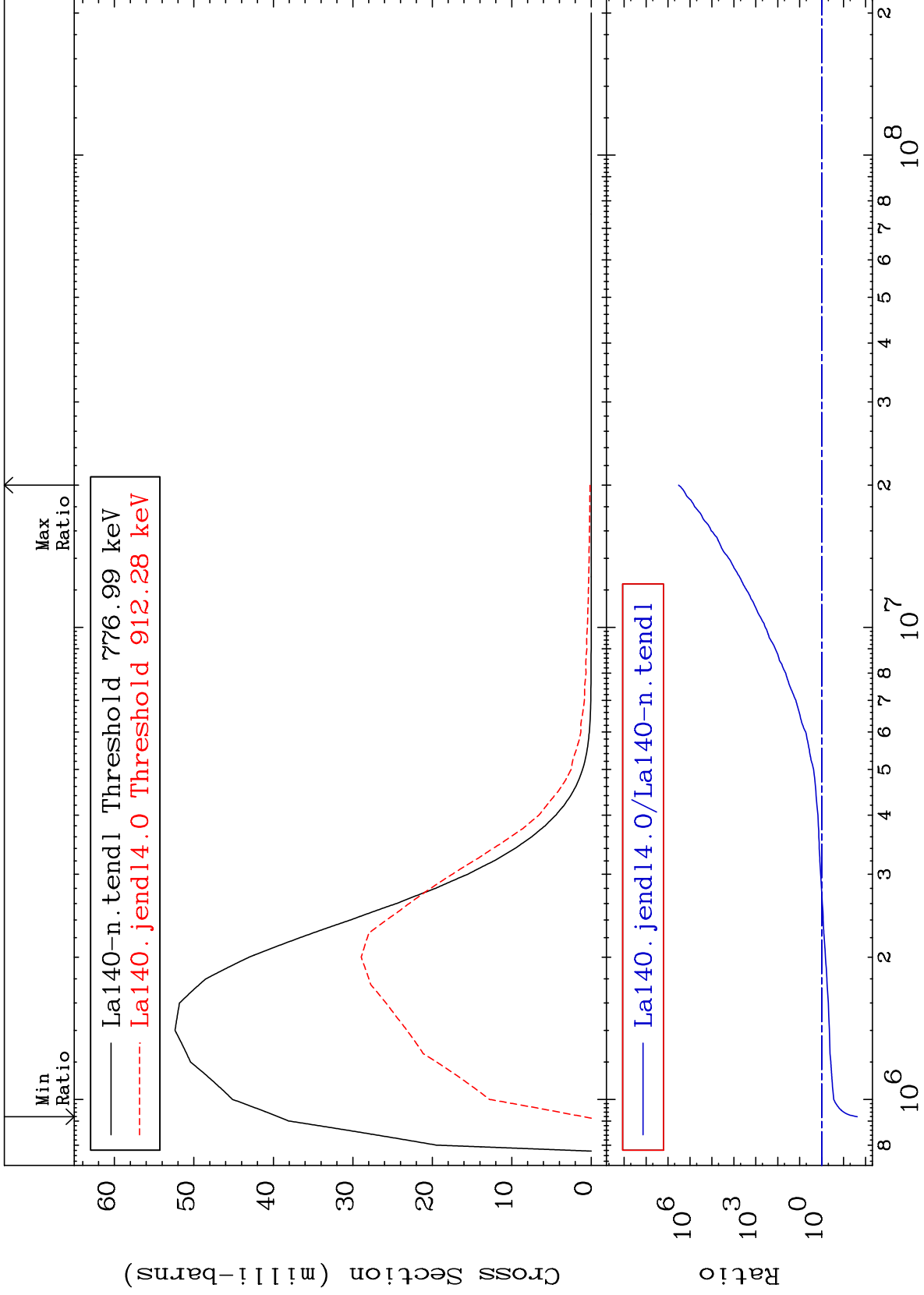
57-La-140  
-19.02 To 9999. %



MAT 5731

771.4 keV (n,n') Level  
Cross Section

57-La-140  
-97.61 To 9999. %



34

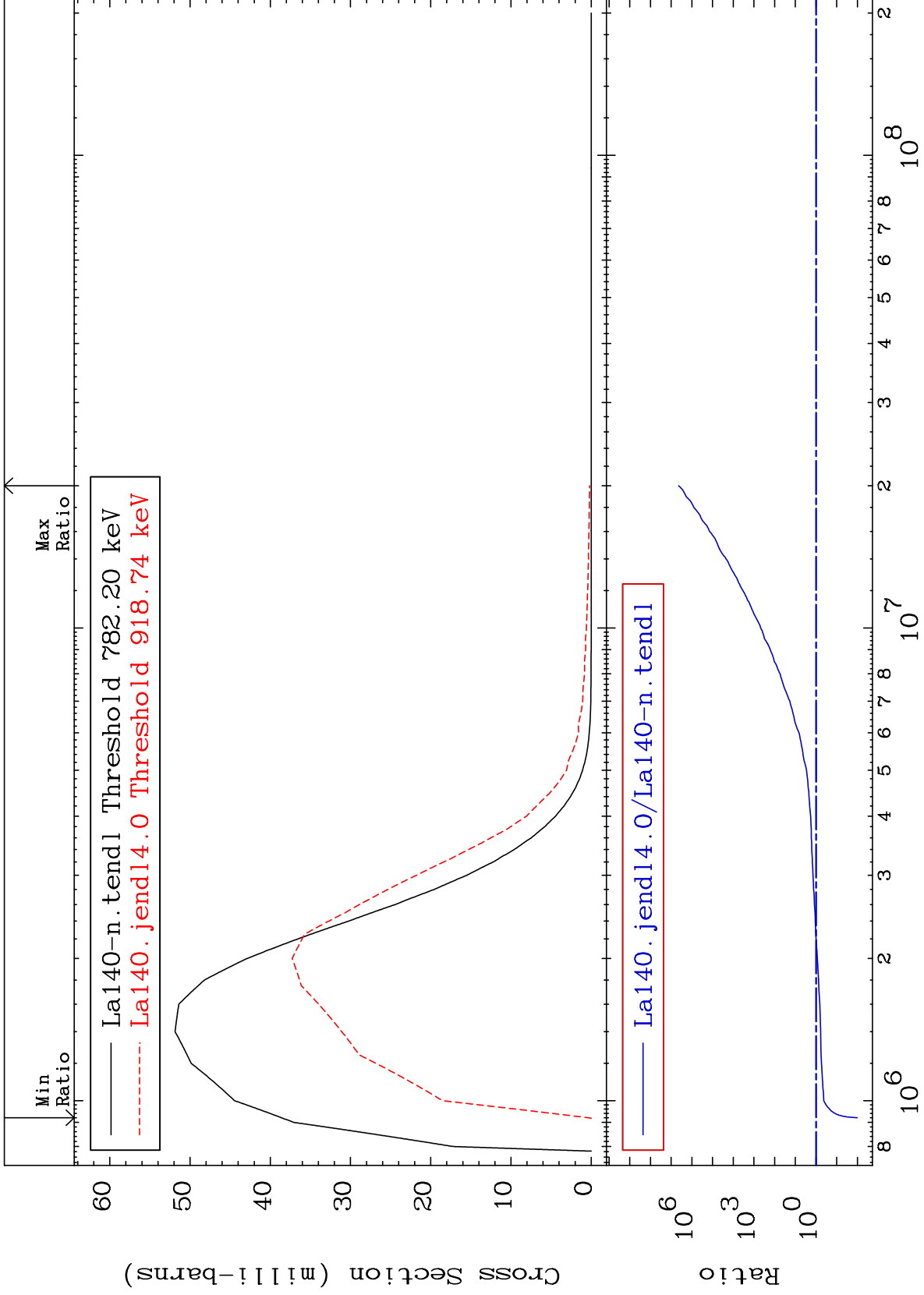
Incident Energy (eV)

57-La-140

MAT 5731

776.6 keV (n,n') Level  
Cross Section

57-La-140  
-98.99 To 9999. %



35

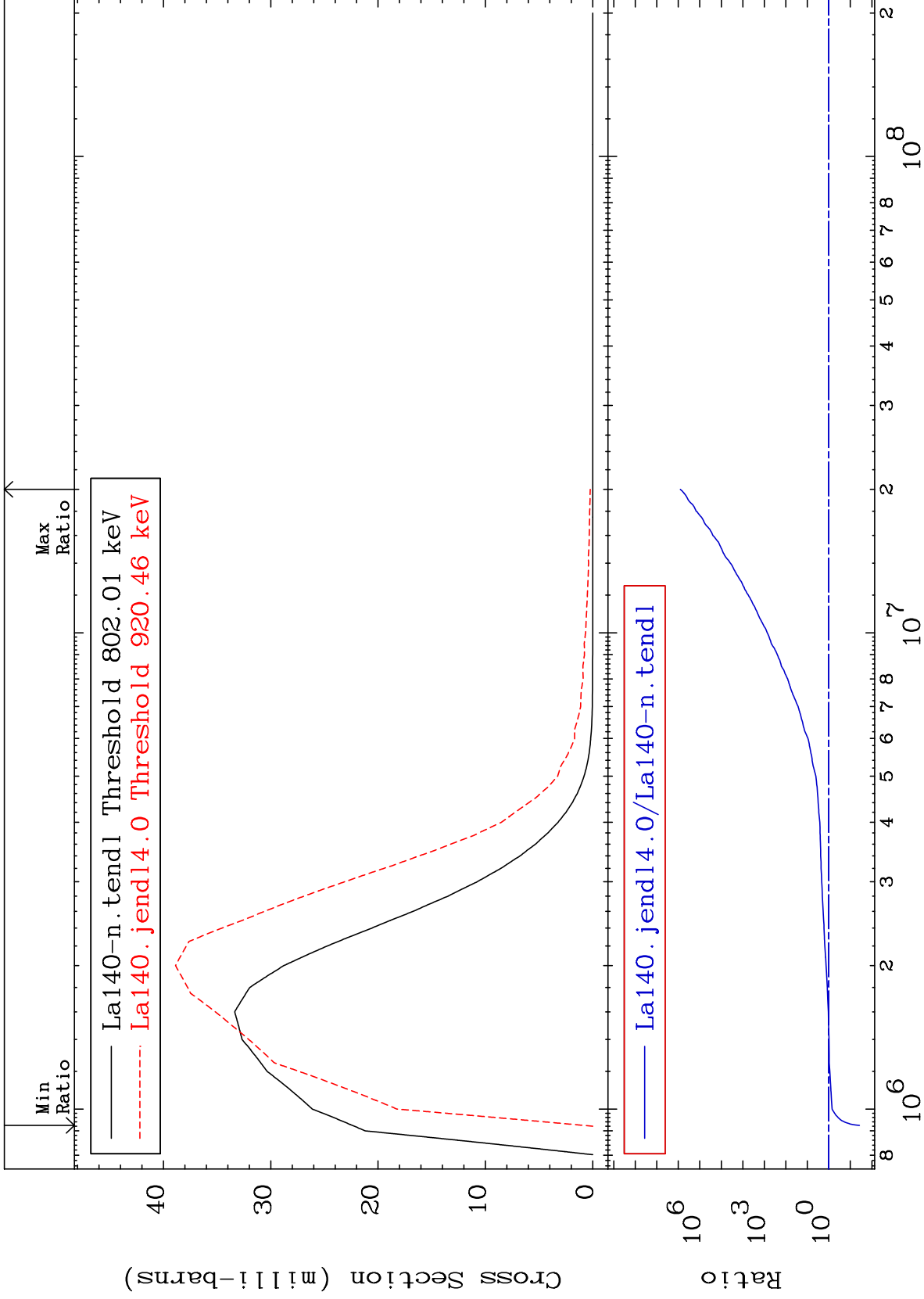
Incident Energy (eV)

57-La-140

MAT 5731

796.3 keV (n,n') Level  
Cross Section

57-La-140  
-96.22 To 9999. %



36

Incident Energy (eV)

57-La-140

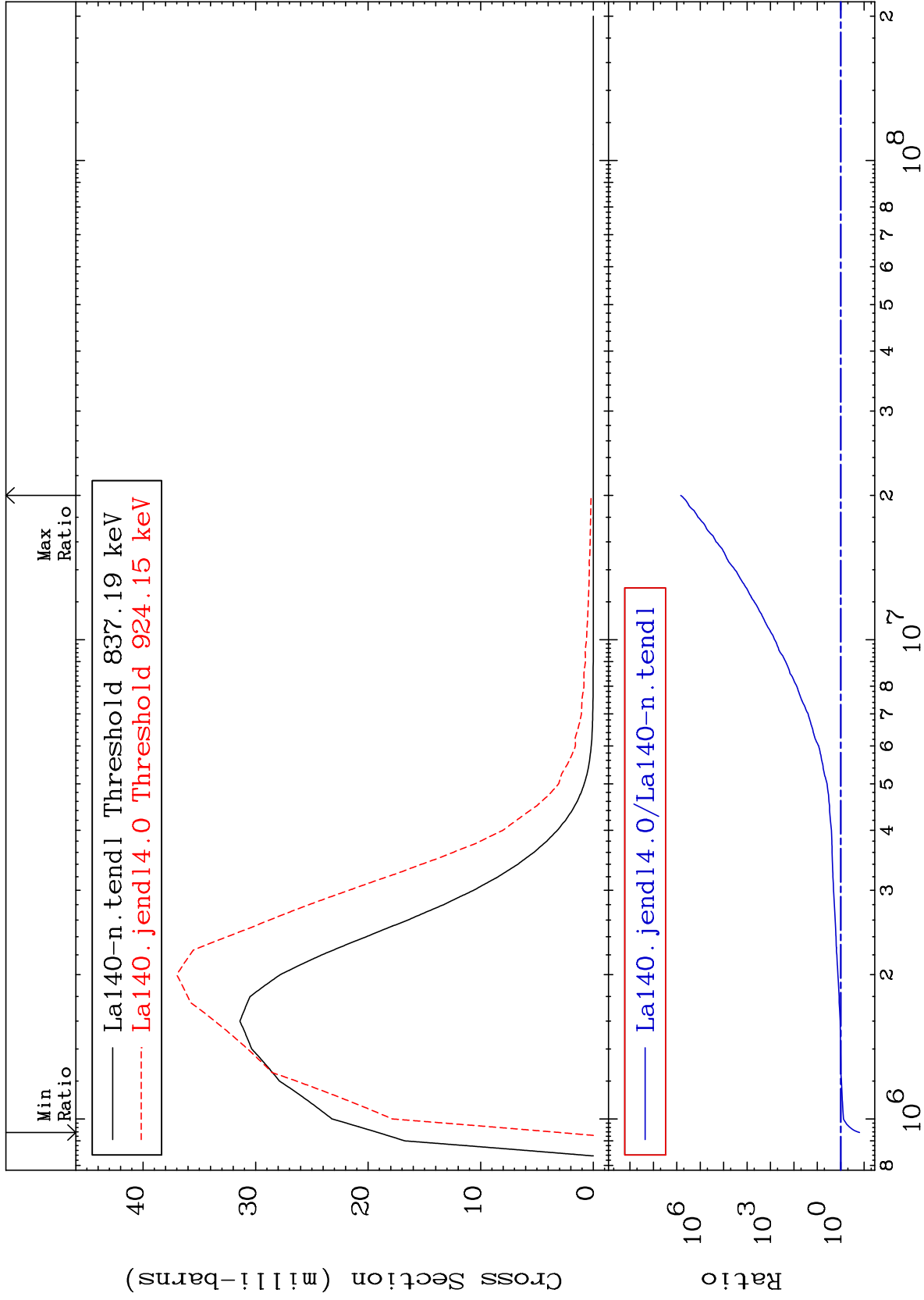
MAT 5731

831.2 keV (n,n') Level

57-La-140

-84.18 To 9999. %

Cross Section



37

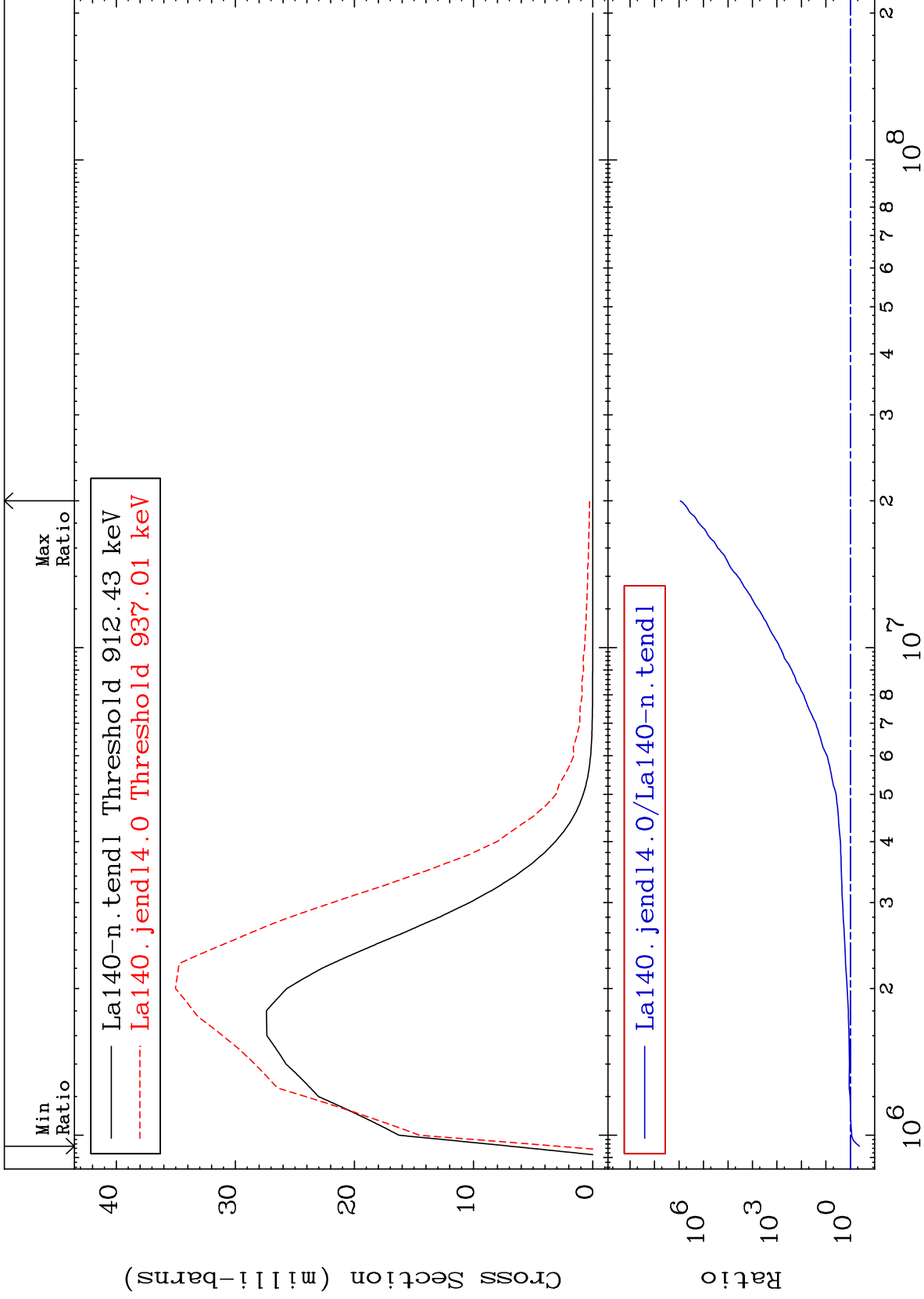
Incident Energy (eV)

57-La-140

MAT 5731

905.9 keV (n,n') Level  
Cross Section

57-La-140  
-57.04 To 9999. %



38

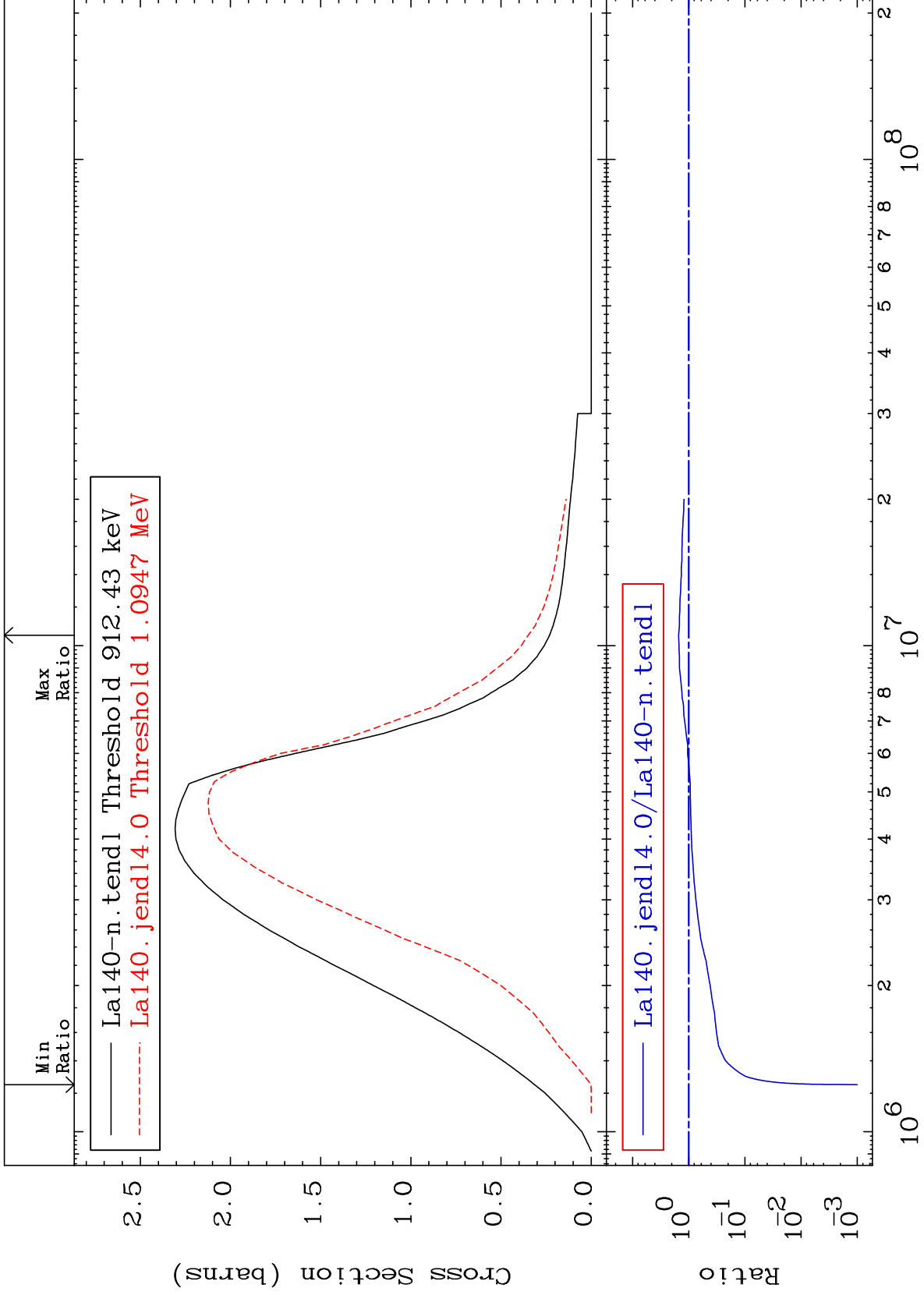
Incident Energy (eV)

57-La-140

MAT 5731

(n, n') Continuum  
Cross Section

57-La-140  
-99.90 To 51.24 %



39

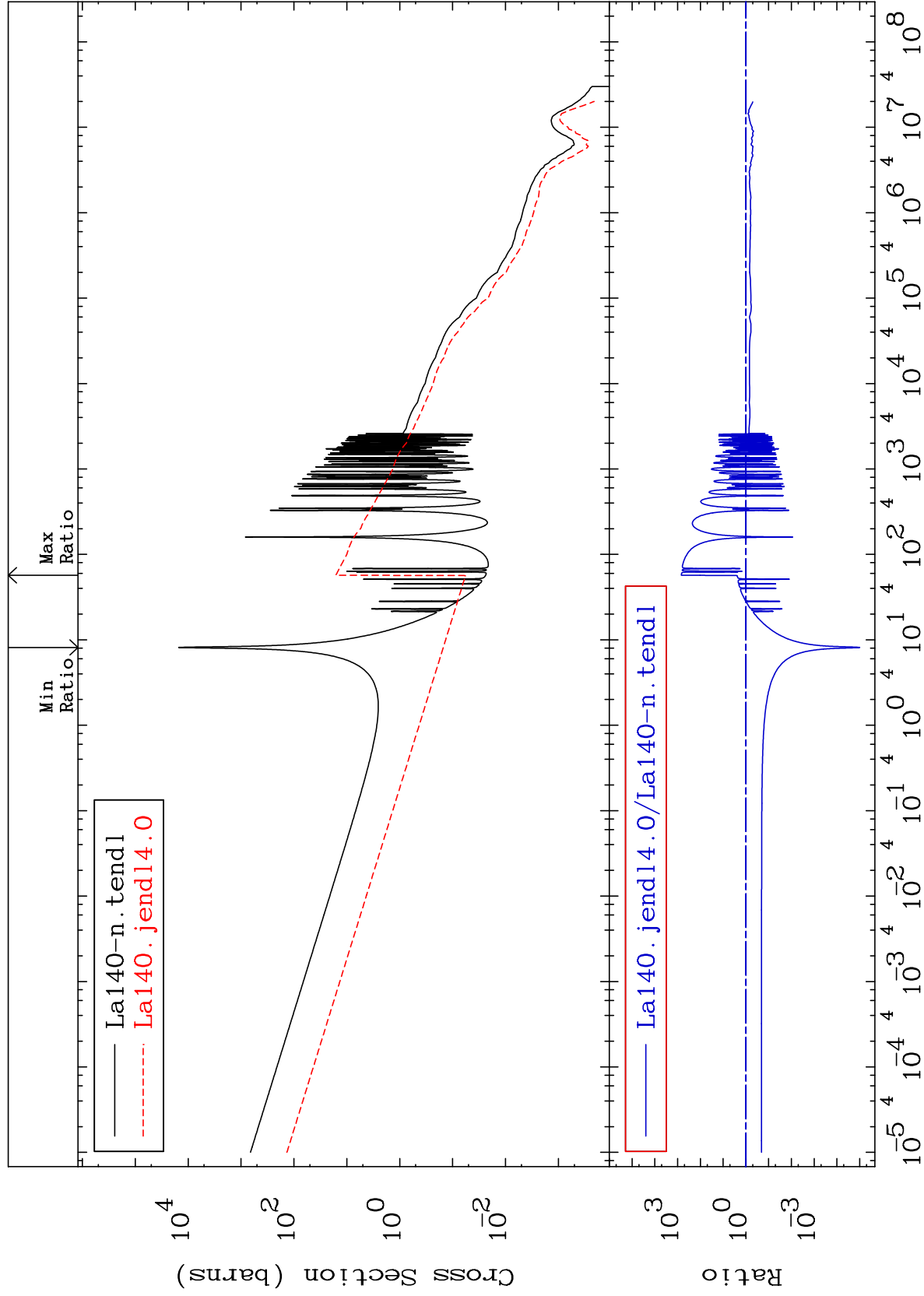
Incident Energy (eV)

57-La-140

MAT 5731

57-La-140

-100.0 To 9999. %



40

Incident Energy (eV)

57-La-140

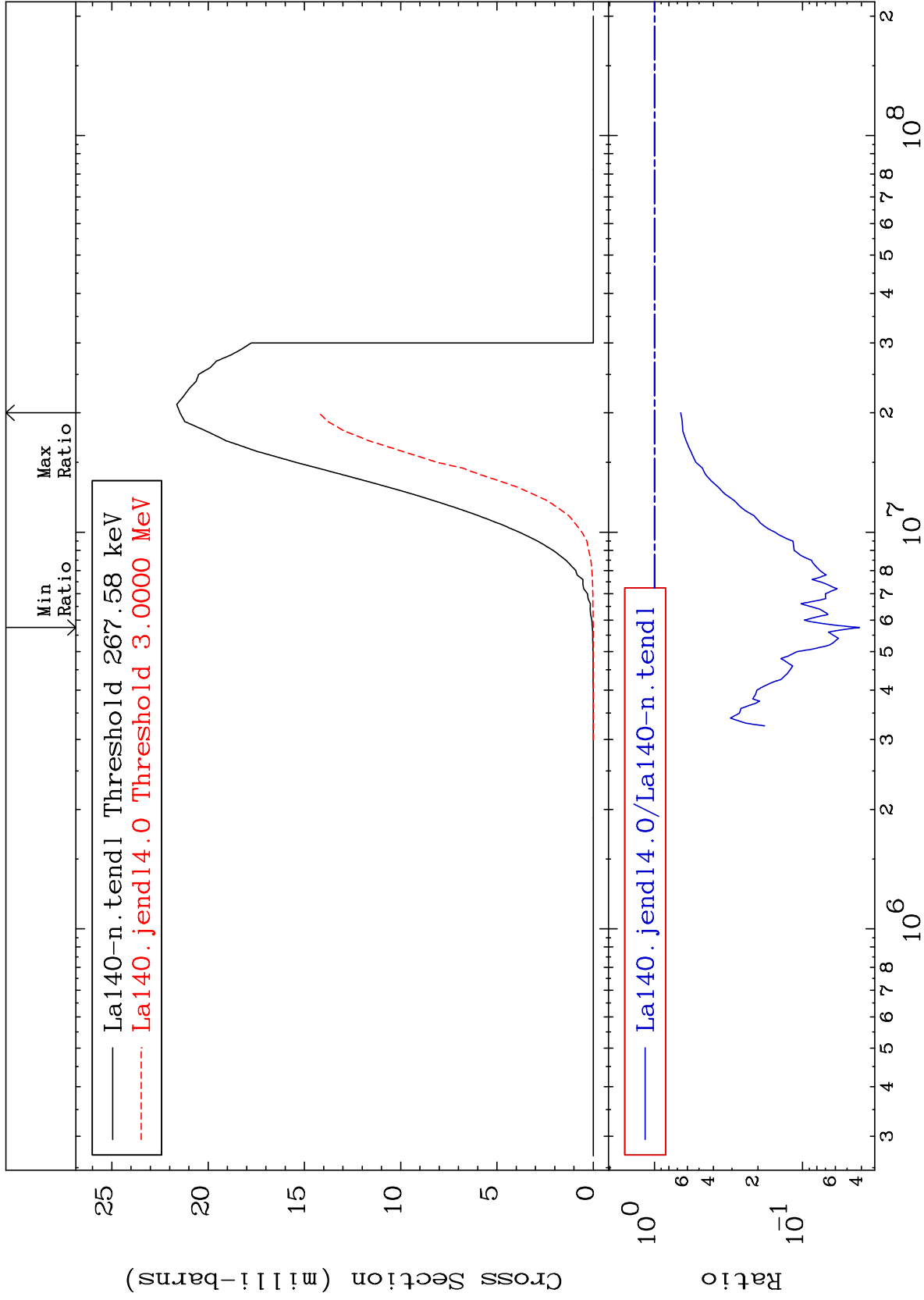


MAT 5731

(n,p)  
Cross Section

57-La-140

-95.88 To -33.60%



41

Incident Energy (eV)

57-La-140

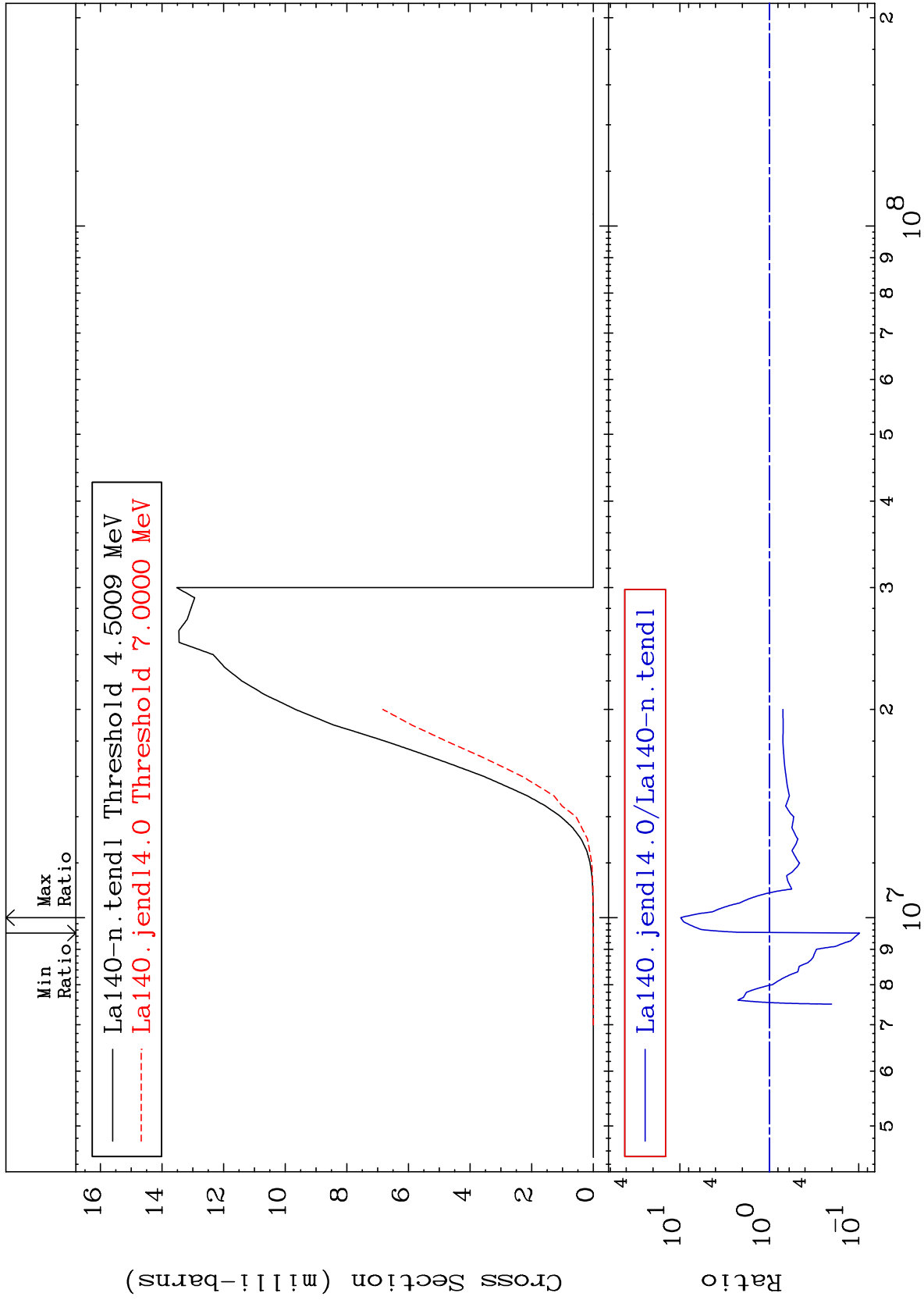
MAT 5731

(n, d)

57-La-140

Cross Section

-90.20 To 878.9 %



42

Incident Energy (eV)

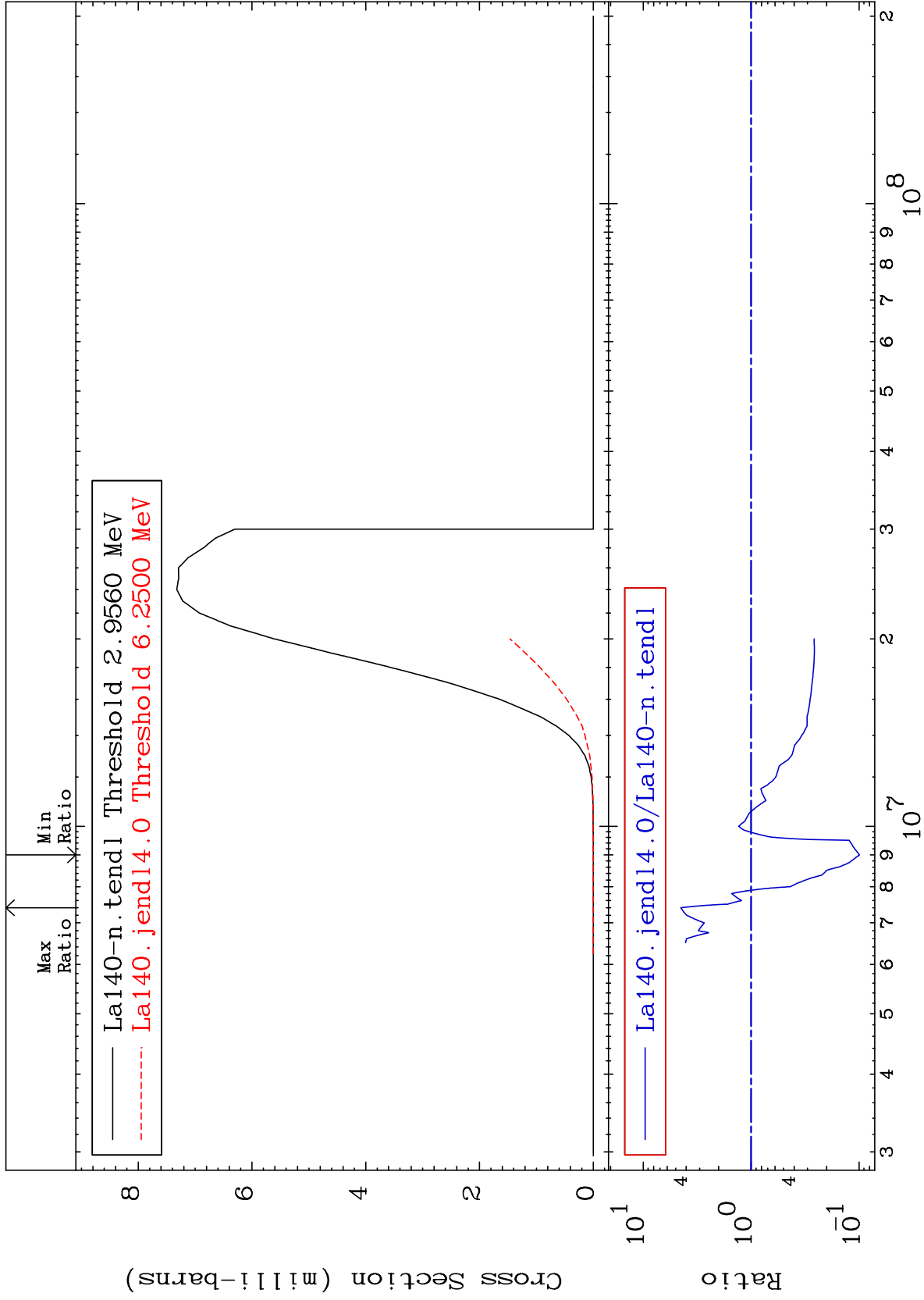
57-La-140

MAT 5731

57-La-140

(n, t)  
Cross Section

-90.10 To 348.4 %



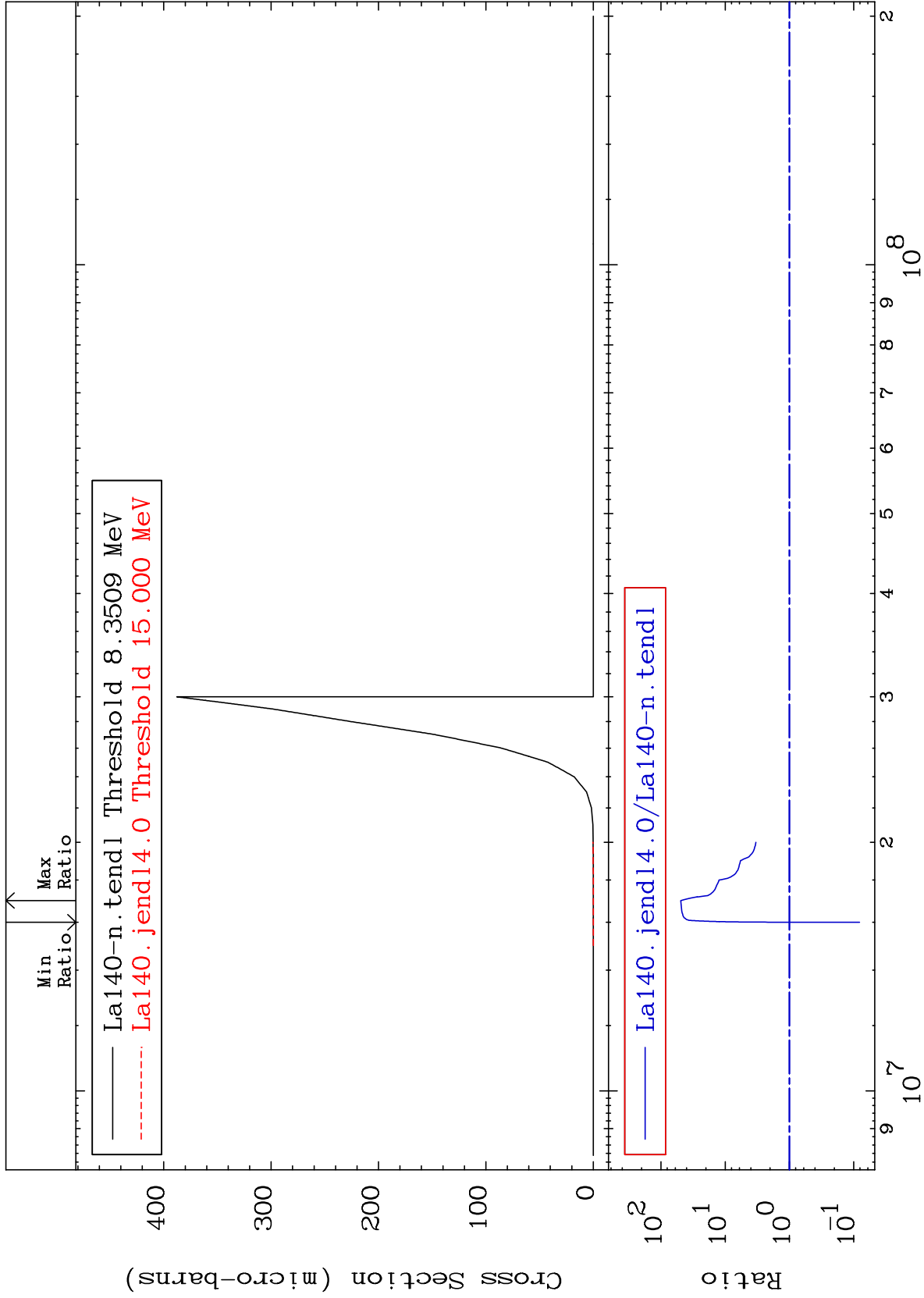
43

Incident Energy (eV)

57-La-140

Cross Section

-91.89 To 4820. %



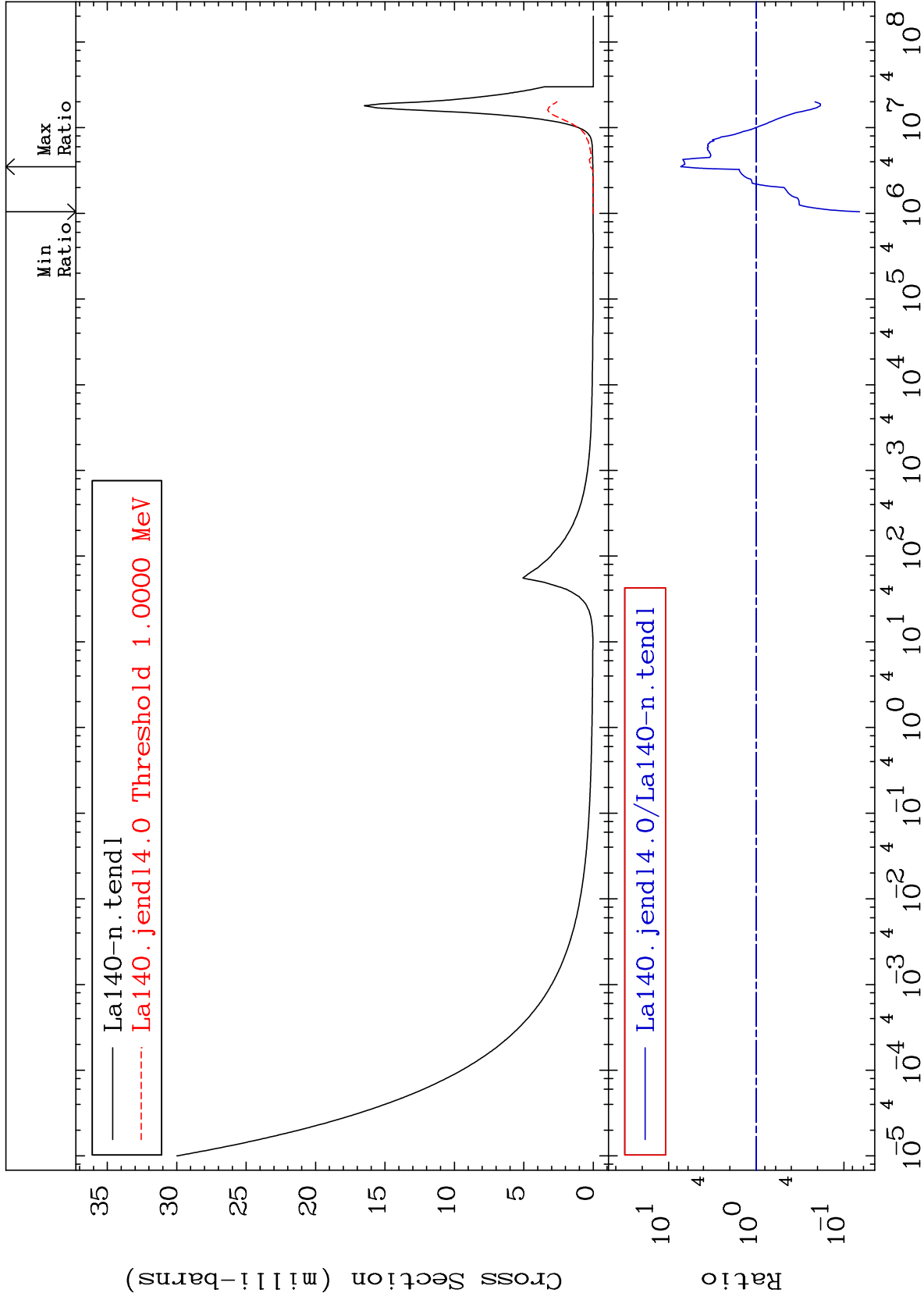
MAT 5731

(n,  $\alpha$ )

57-La-140

Cross Section

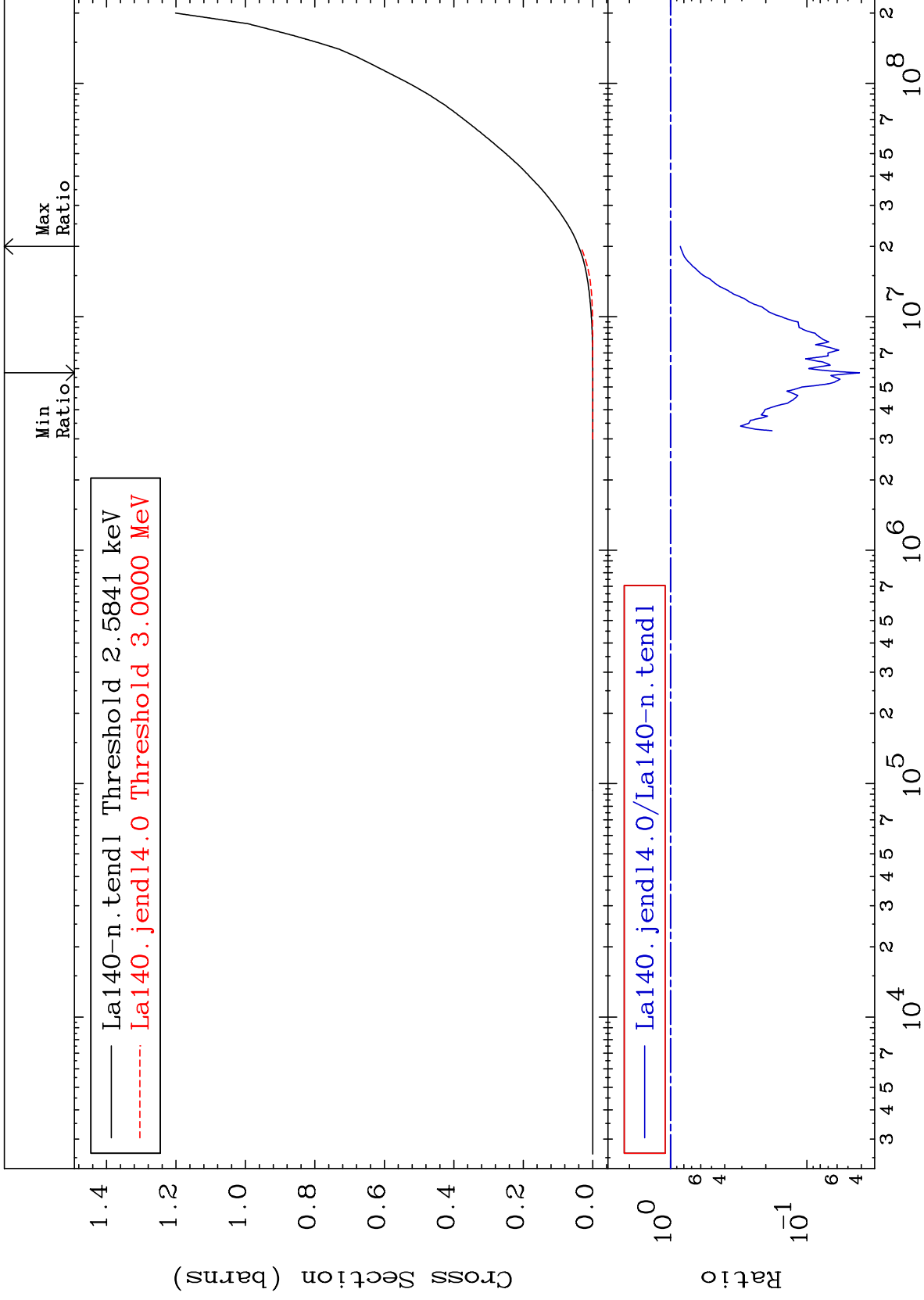
-93.36 To 626.1 %



45

Incident Energy (eV)

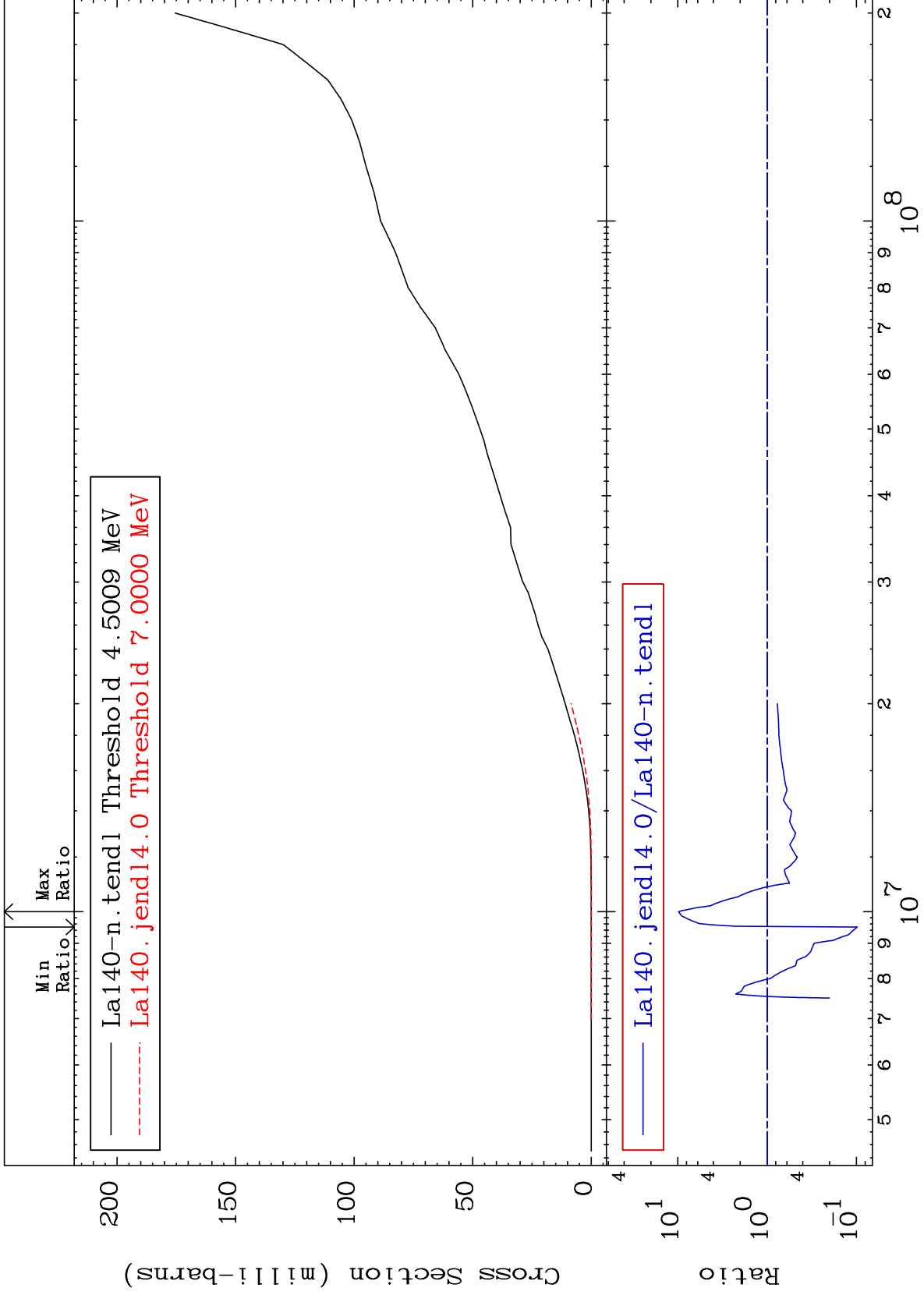
57-La-140



MAT 5731

Deuterium Production  
Cross Section

57-La-140  
-90.20 To 878.9 %



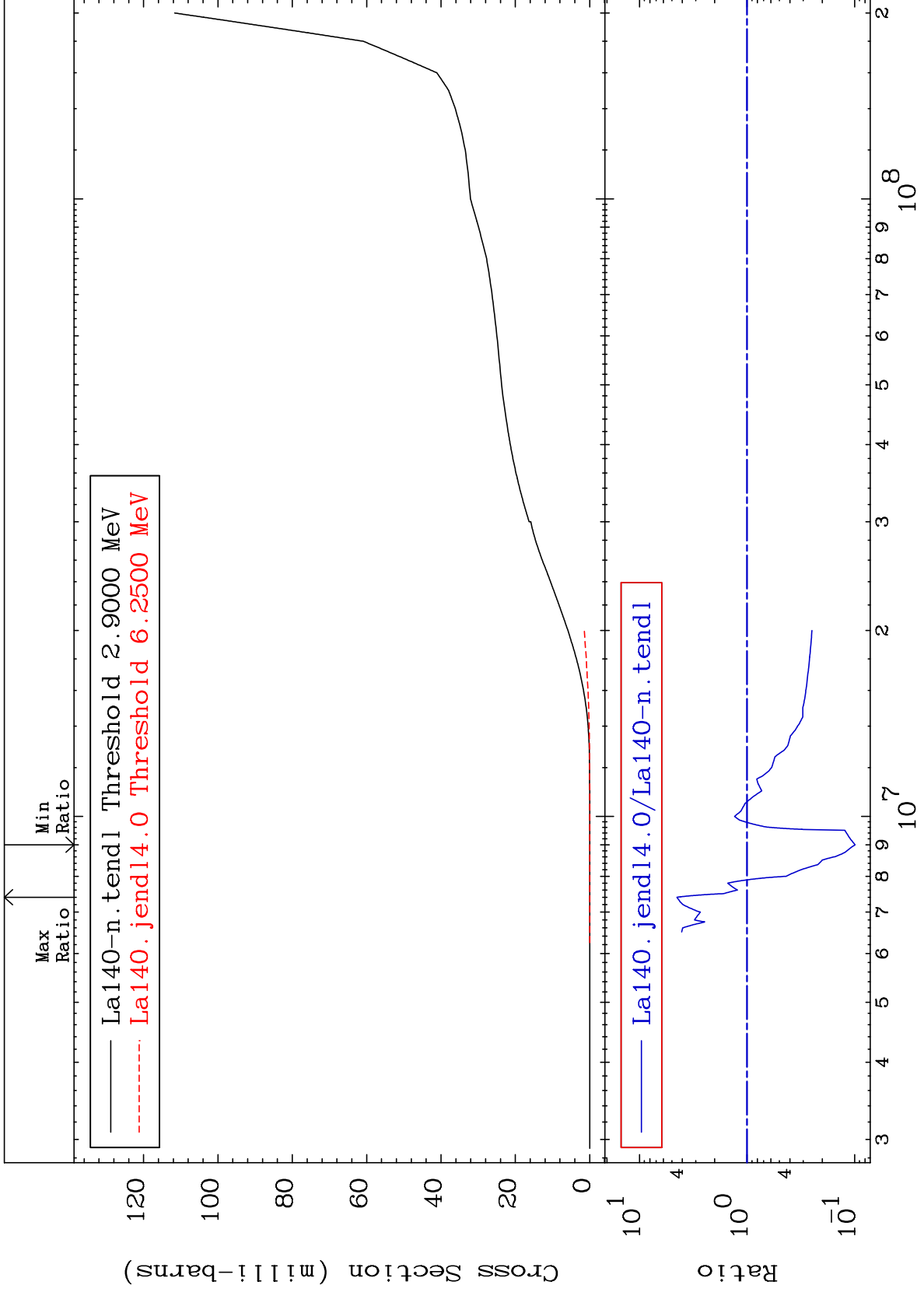
47

57-La-140

MAT 5731

Tritium Production  
Cross Section

57-La-140  
-90.10 To 348.4 %

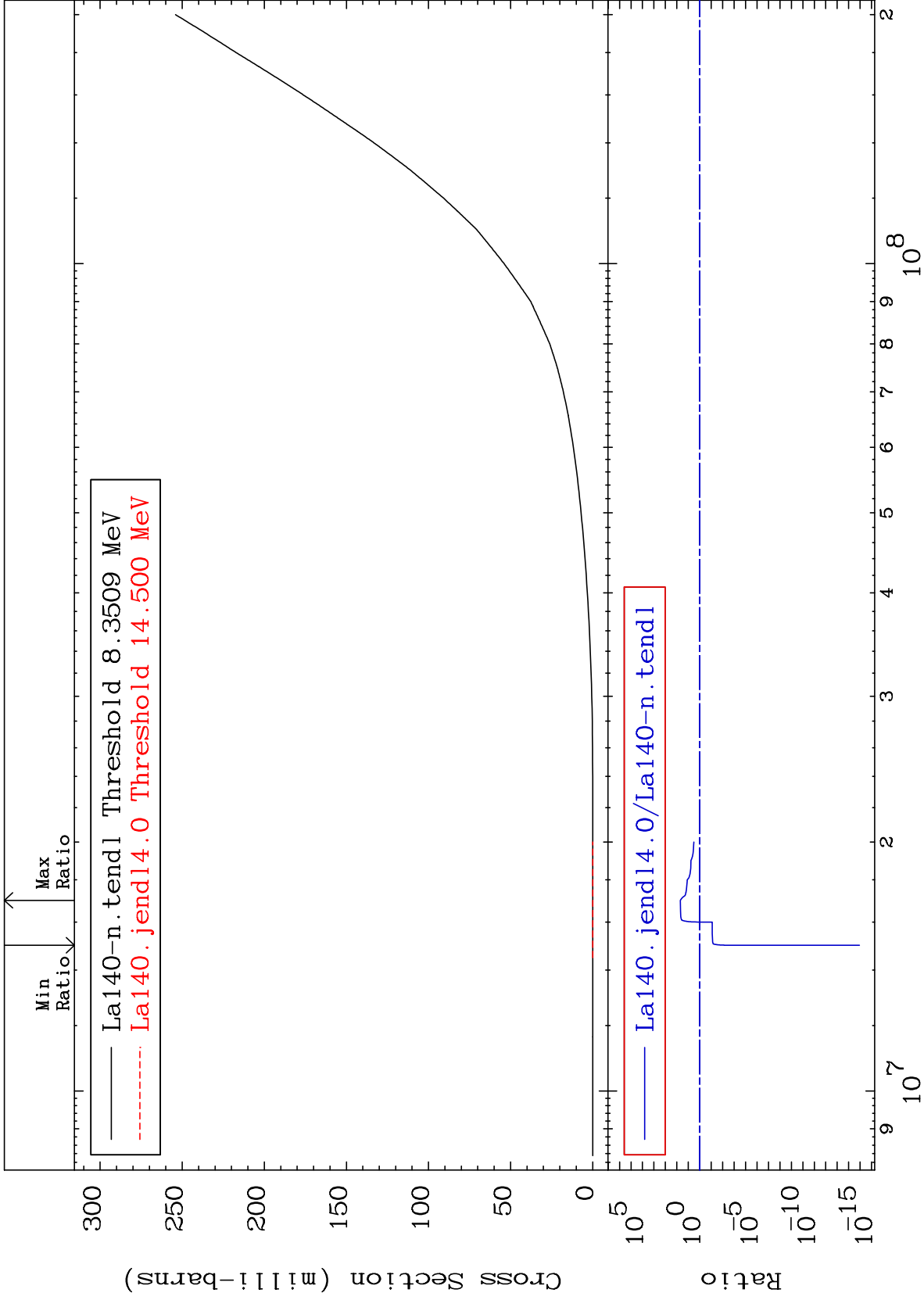




MAT 5731

He-3 Production  
Cross Section

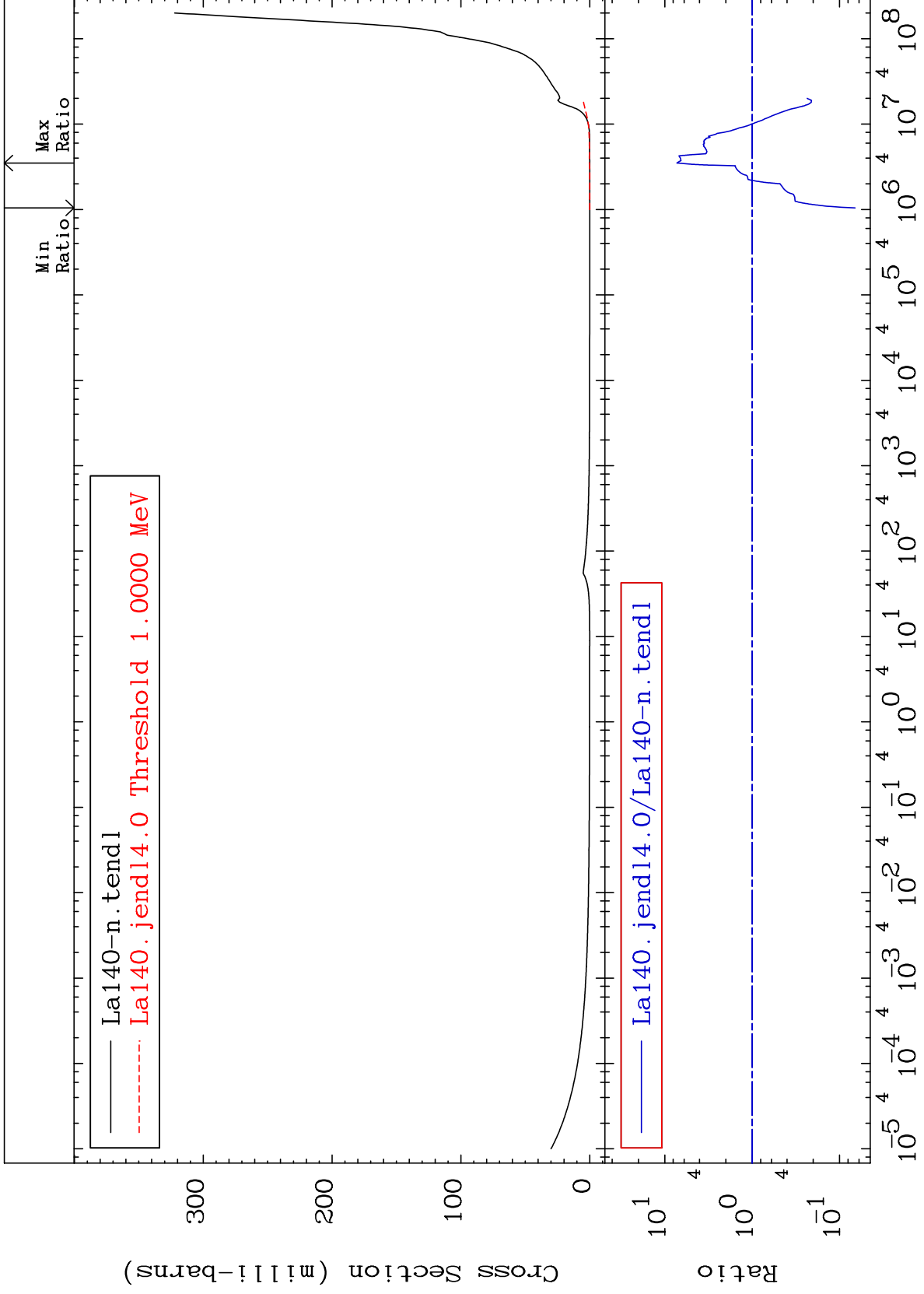
57-La-140  
-100.0 To 4820. %



MAT 5731

He-4 Production  
Cross Section

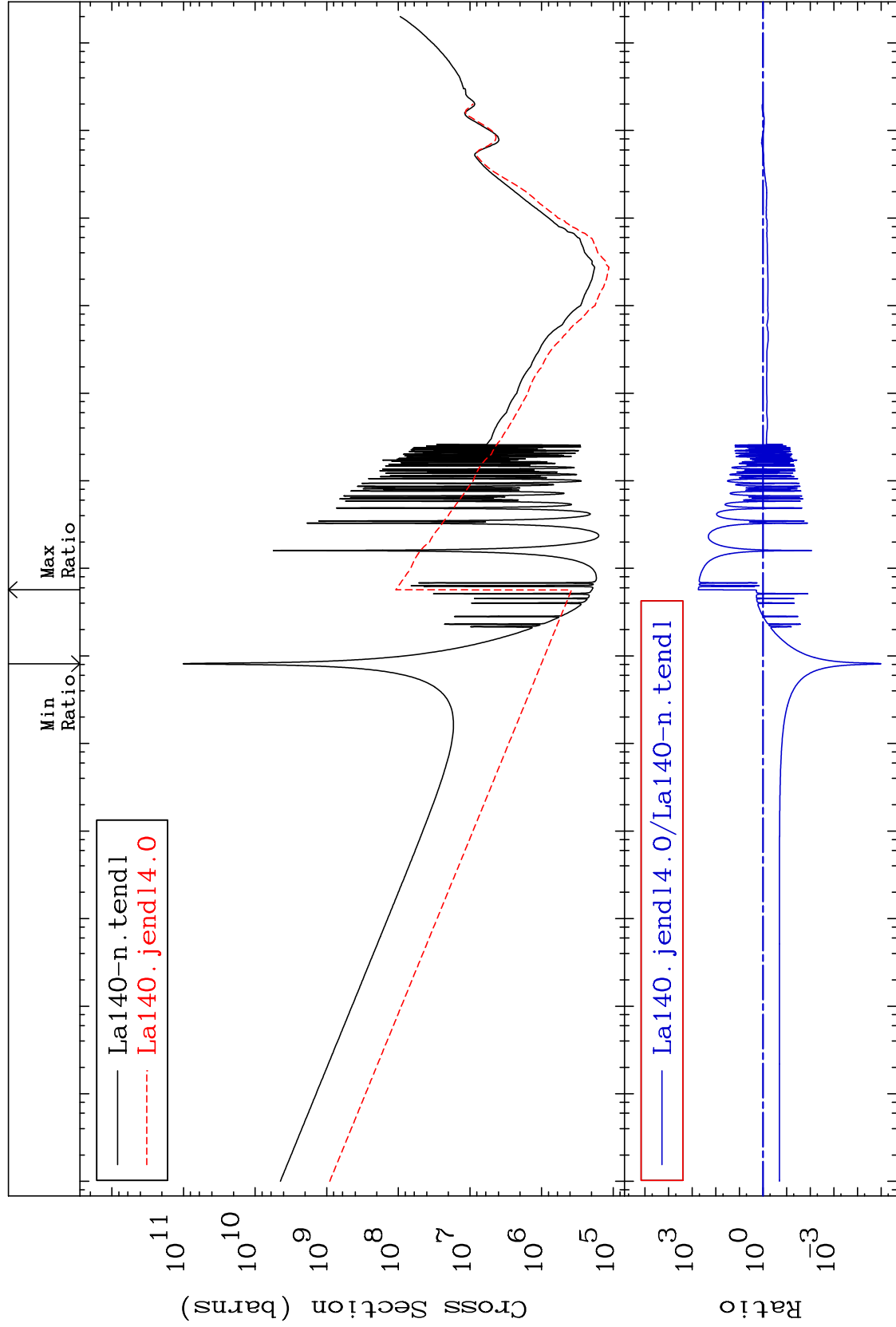
57-La-140  
-93.36 To 626.1 %



Incident Energy (eV)

57-La-140

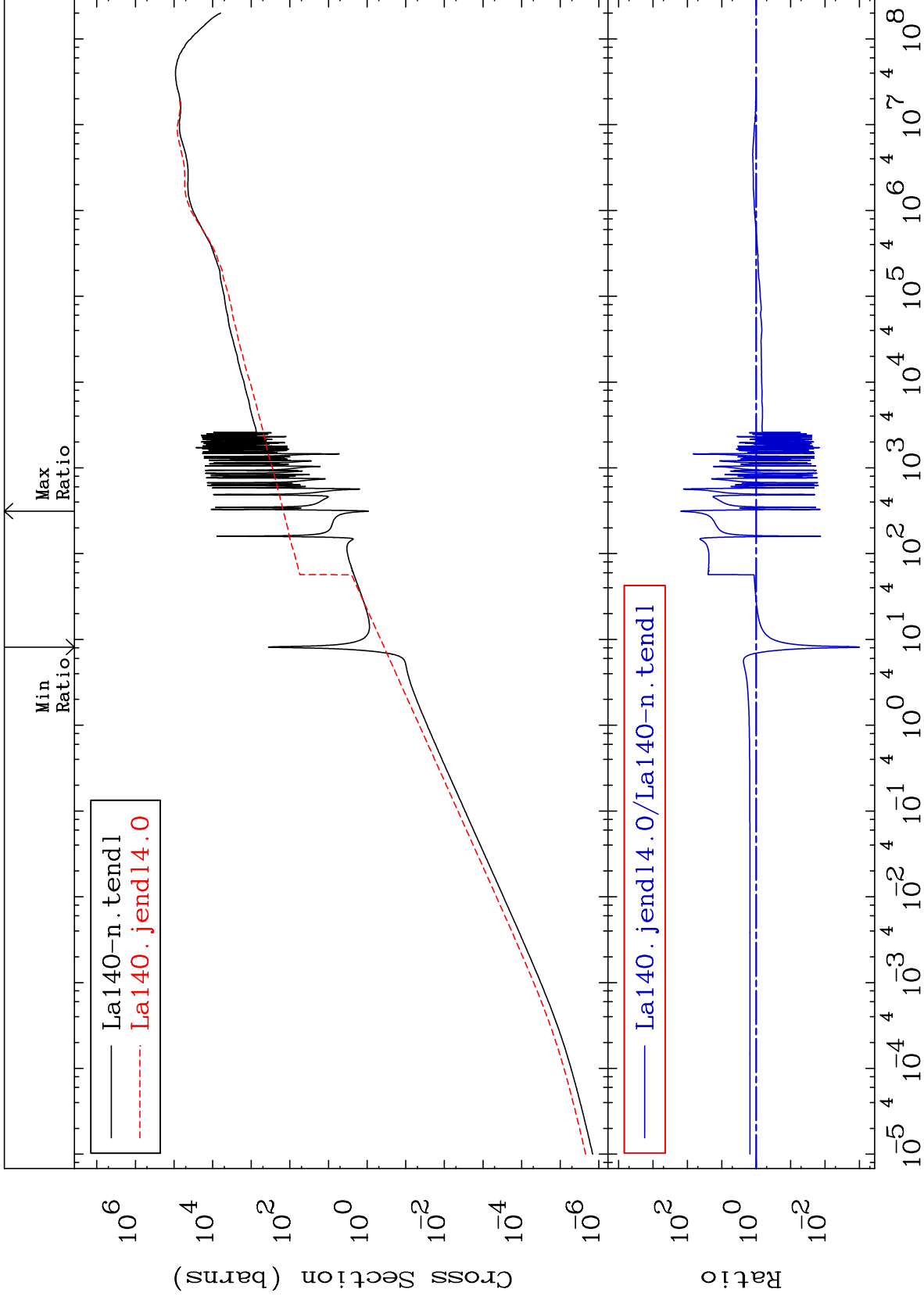
50



MAT 5731

Kerma elastic  
Cross Section

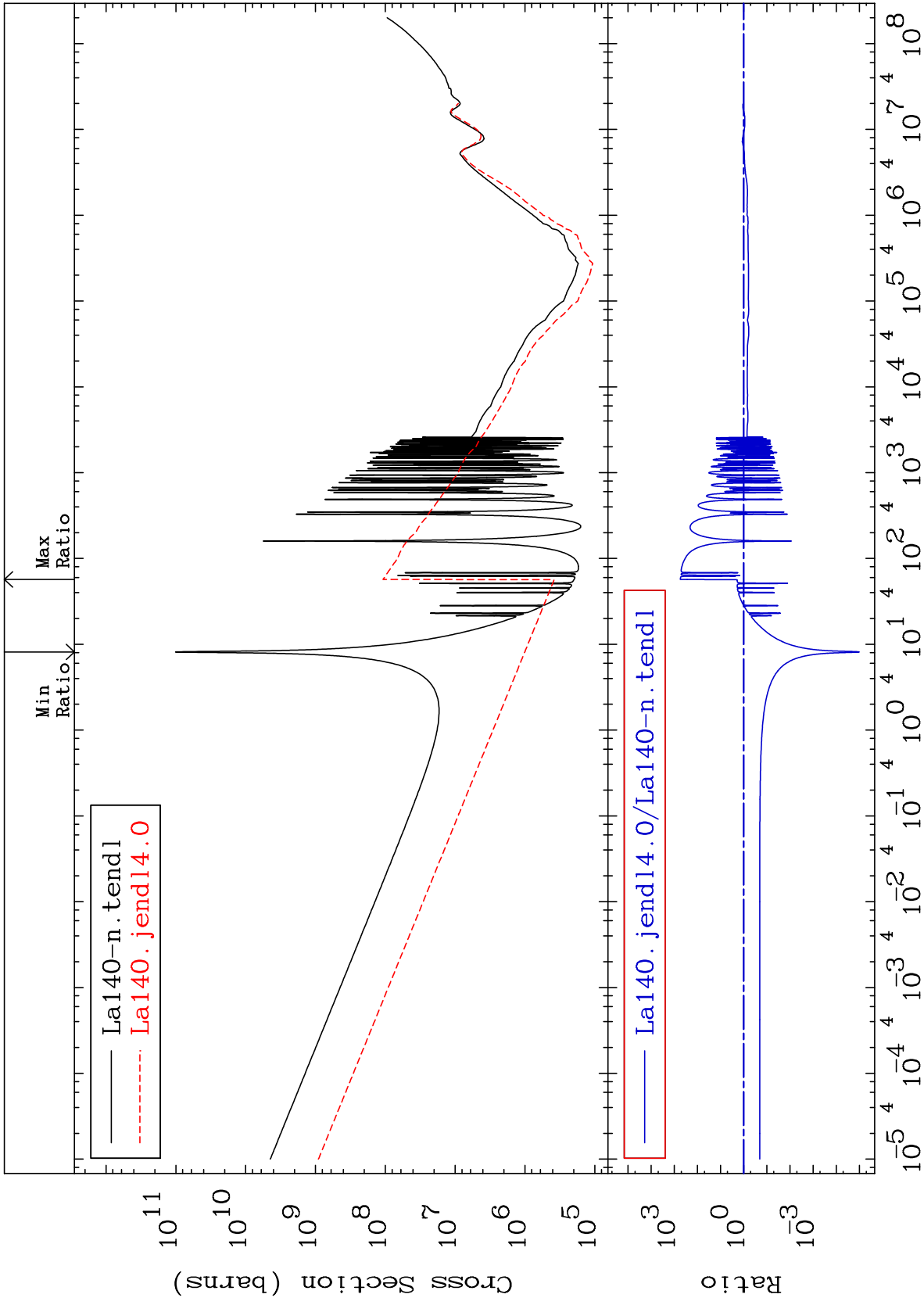
57-La-140  
-99.90 To 9999. %

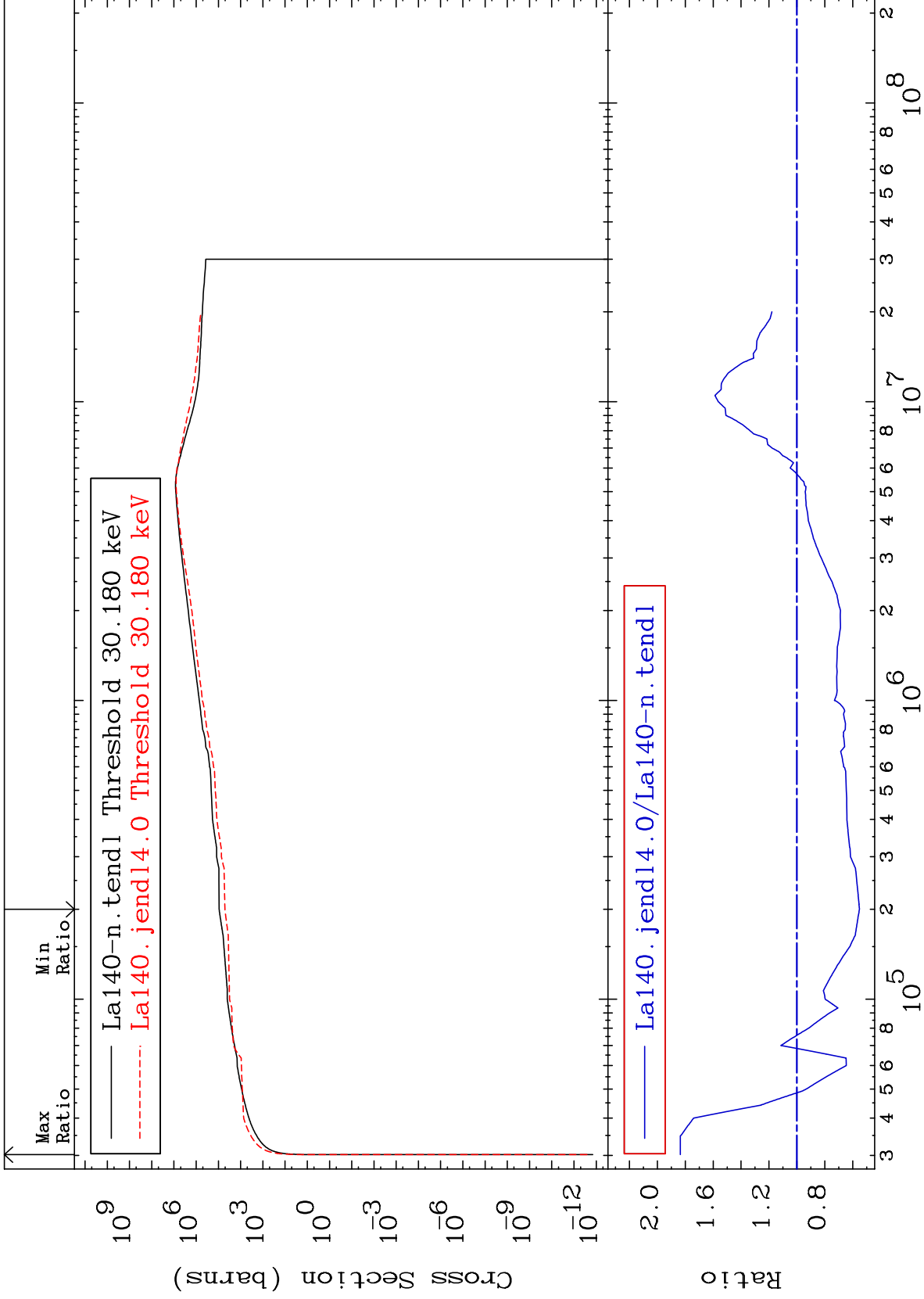


52

Incident Energy (eV)

57-La-140

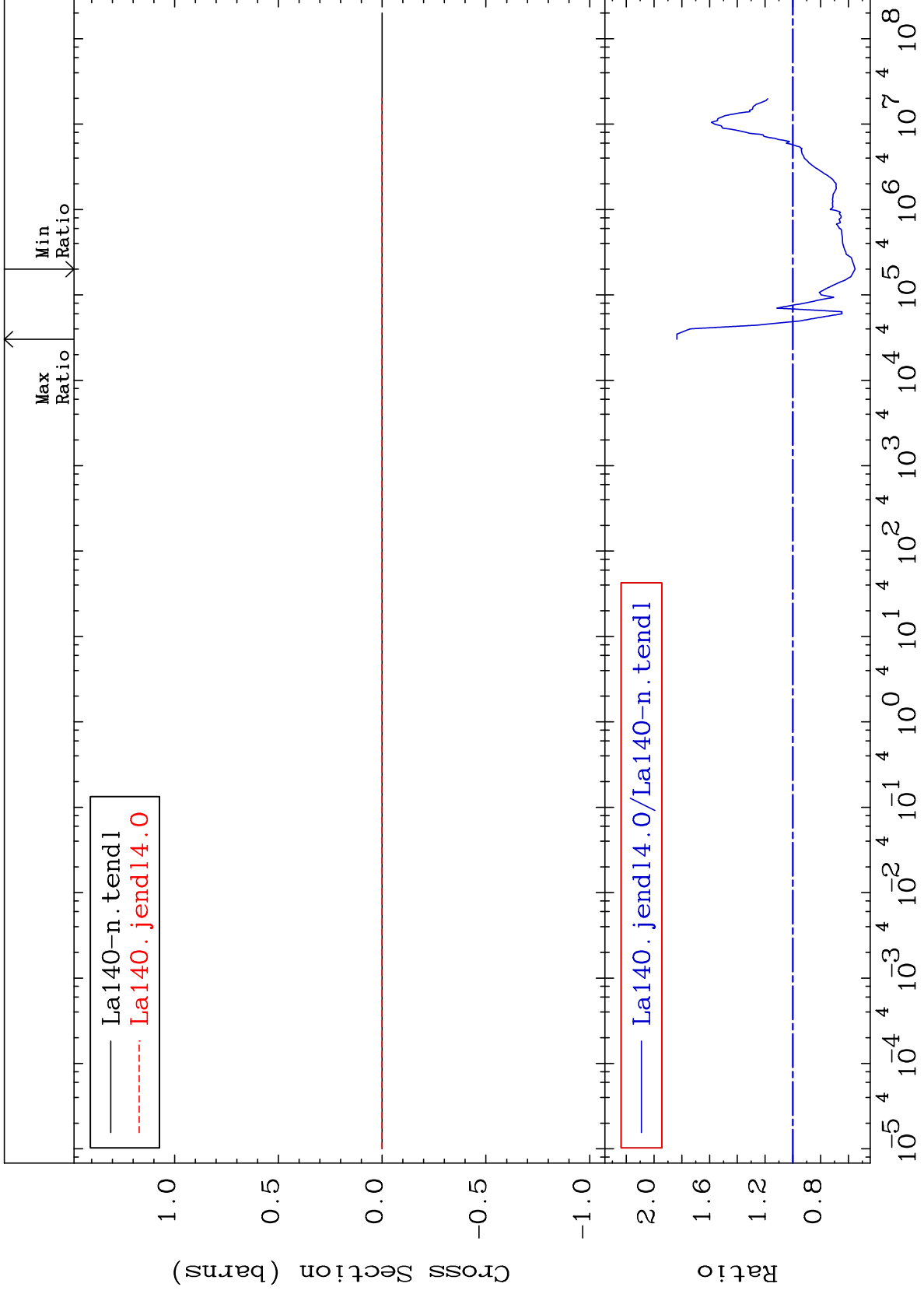




MAT 5731

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

57-La-140  
-44.77 To 83.50 %



55

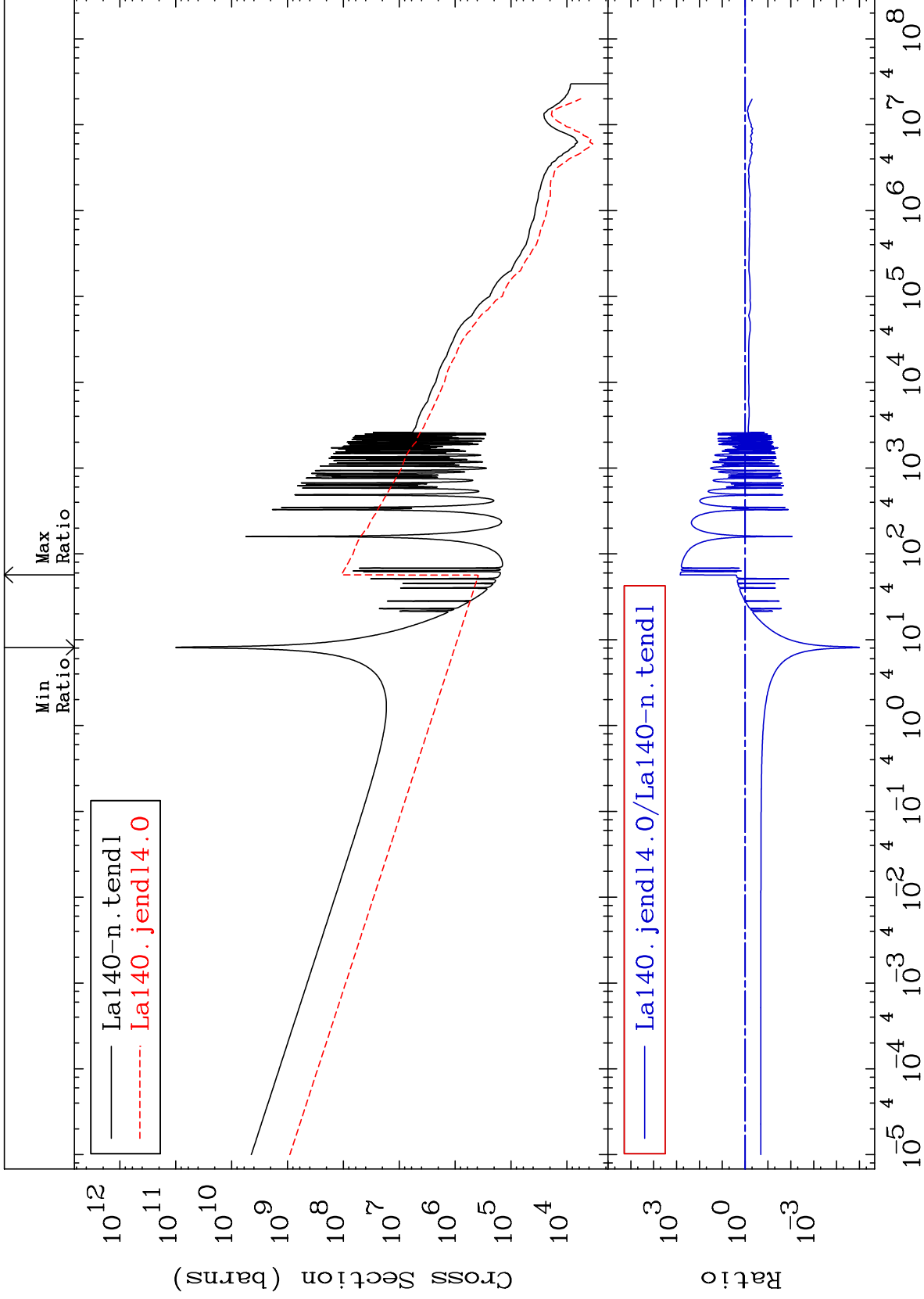
Incident Energy (eV)

57-La-140

MAT 5731

Kerma capture (mt102)  
Cross Section

57-La-140  
-100.0 To 9999. %

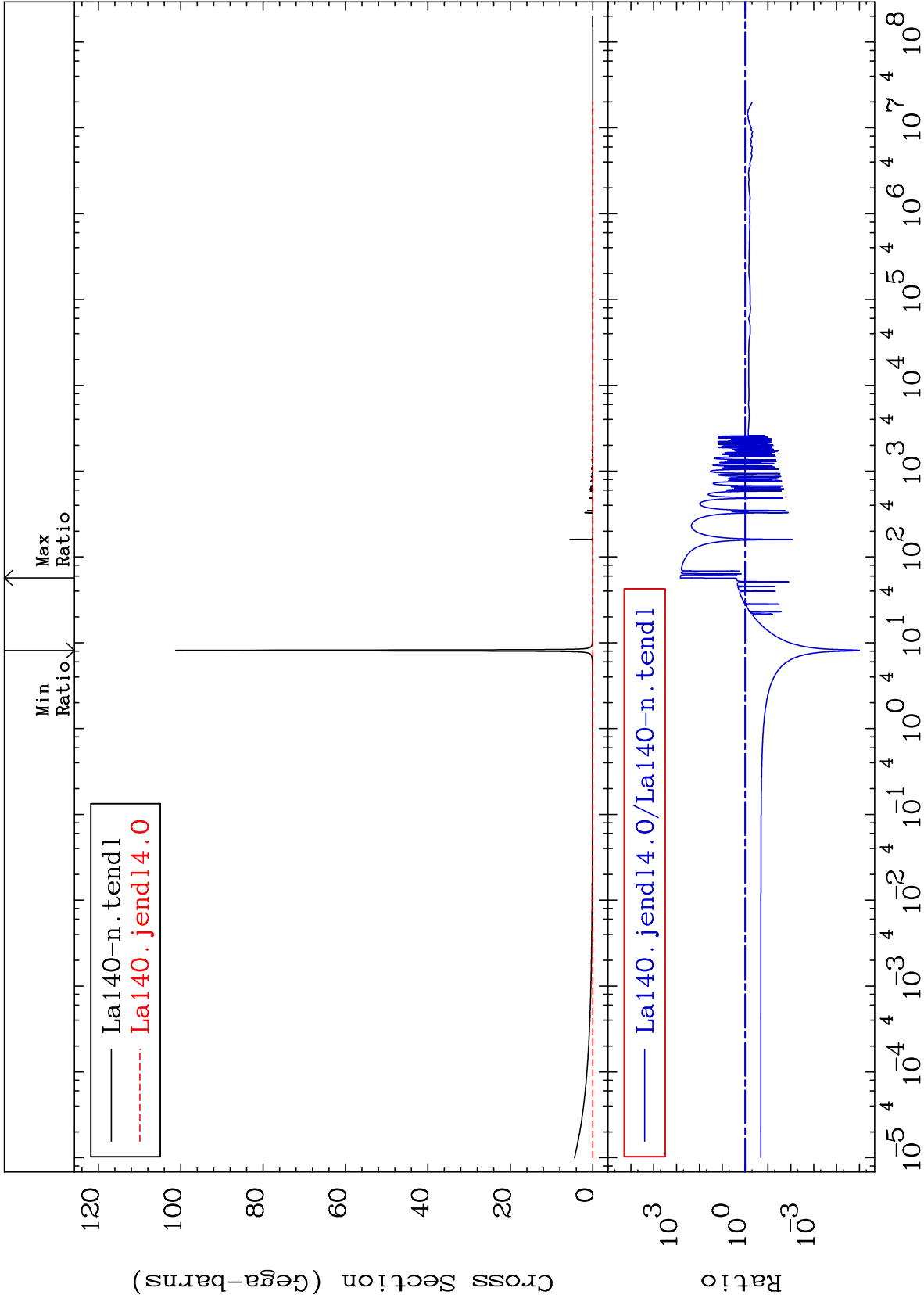


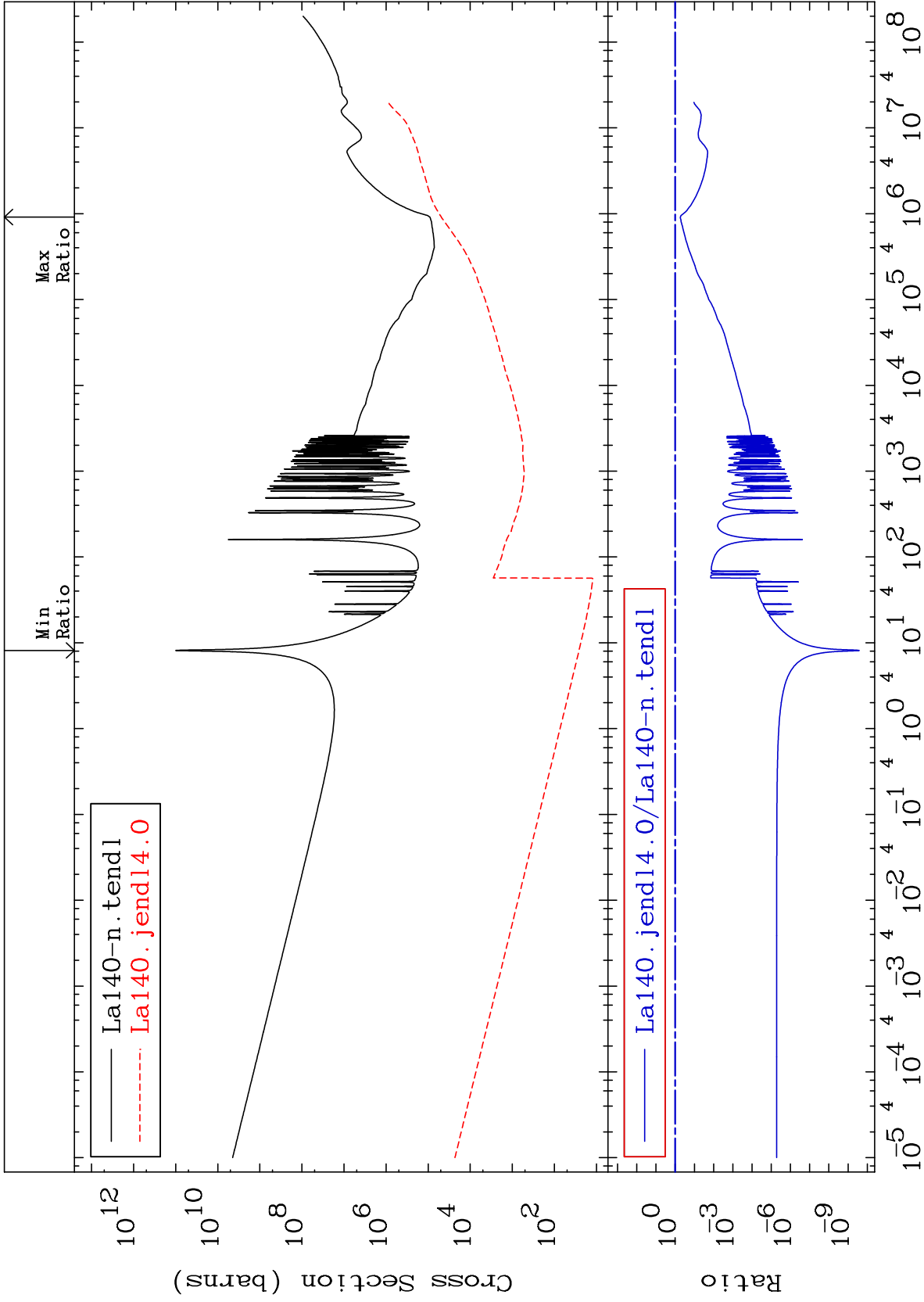
56

Incident Energy (eV)

57-La-140







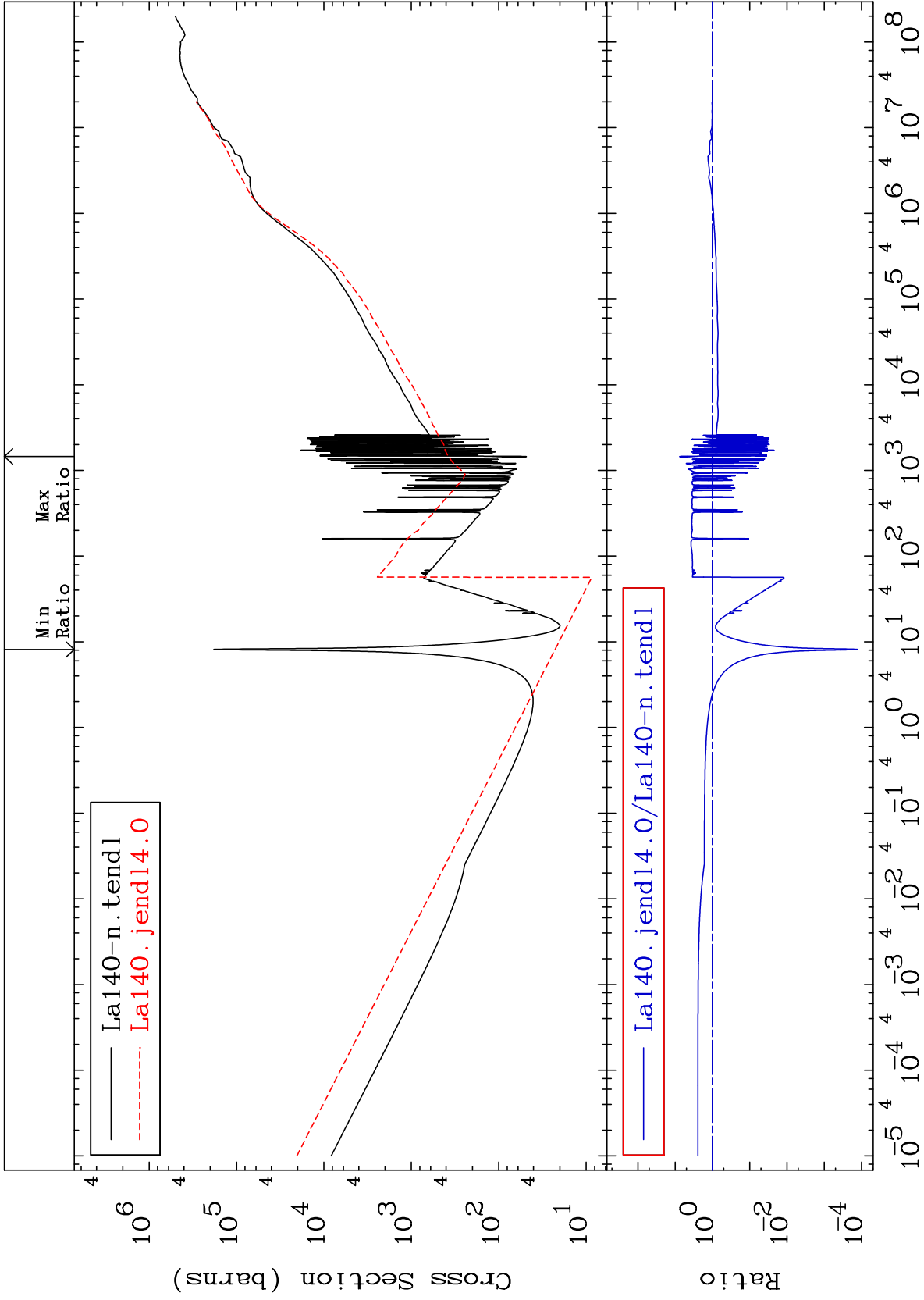
MAT 5731

Dpa total (eV-barns)

57-La-140

-99.99 To 683.7 %

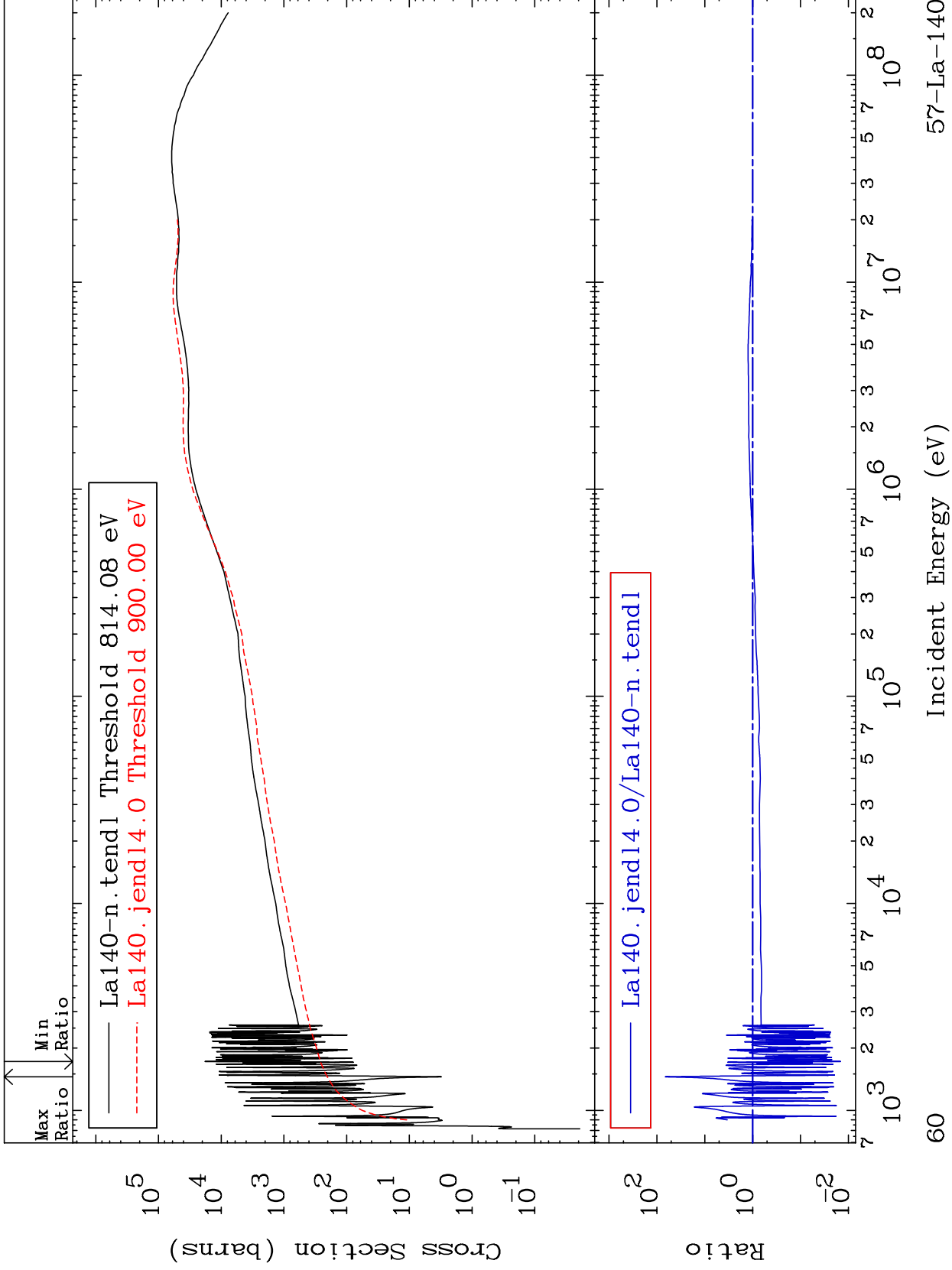
Cross Section

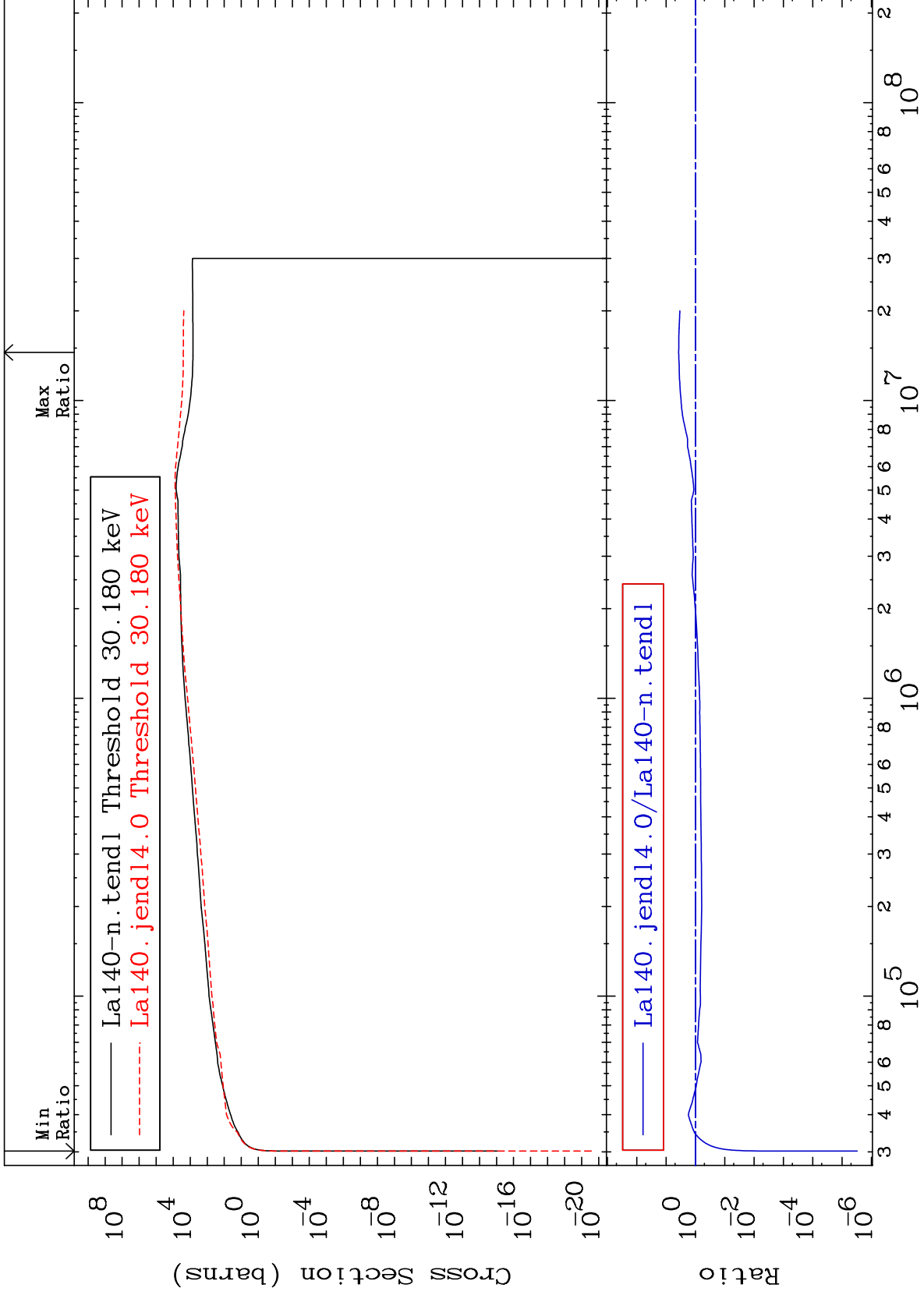


MAT 5731

Dpa elastic (mt2)  
Cross Section

57-La-140  
-98.55 To 6495. %





MAT 5731

Dpa disappearance (mt102 -120)  
Cross Section

57-La-140  
-99.99 To 2594. %

