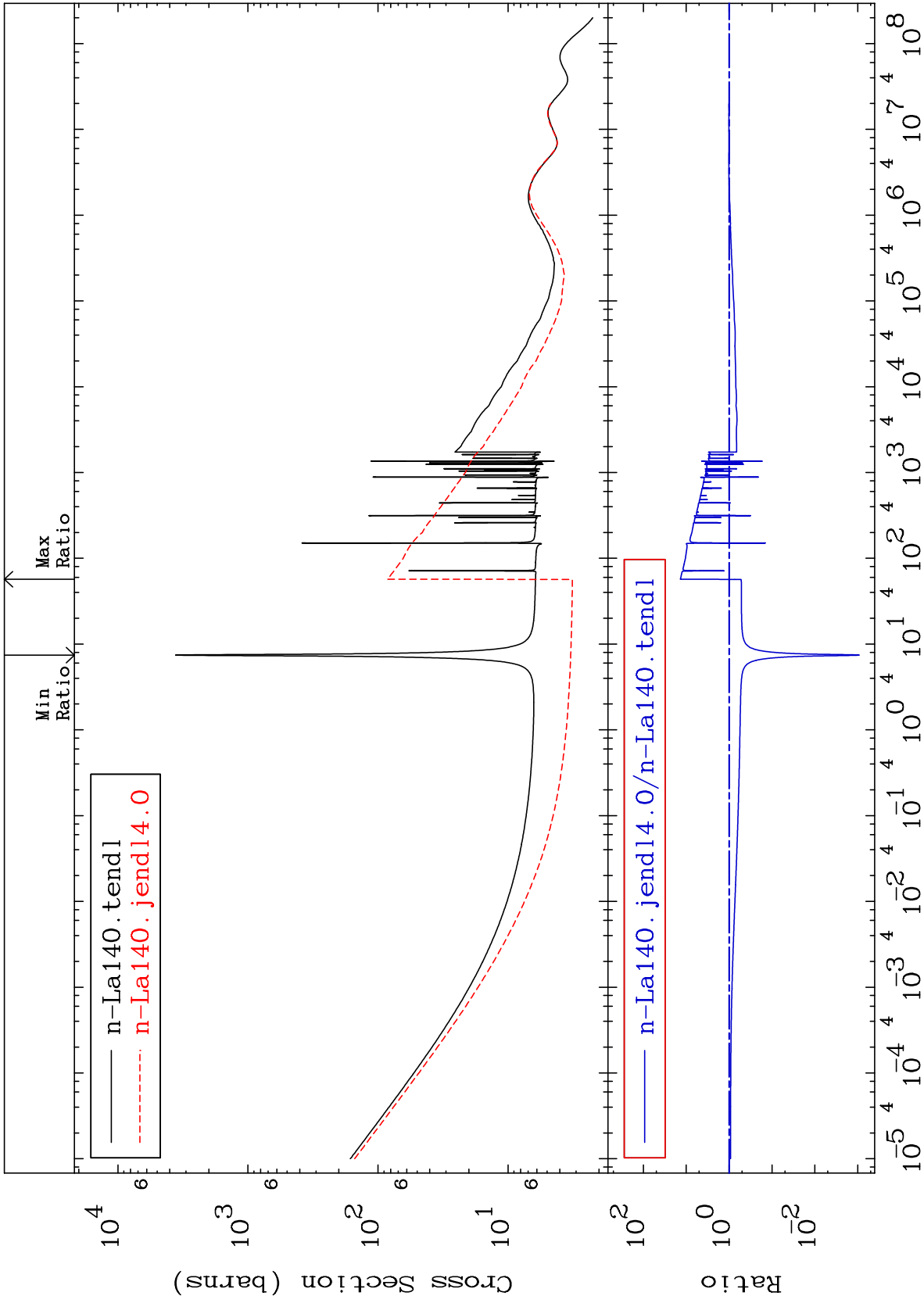


MAT 5731

Total Cross Section
57-La-140
-99.91 To 1271. %

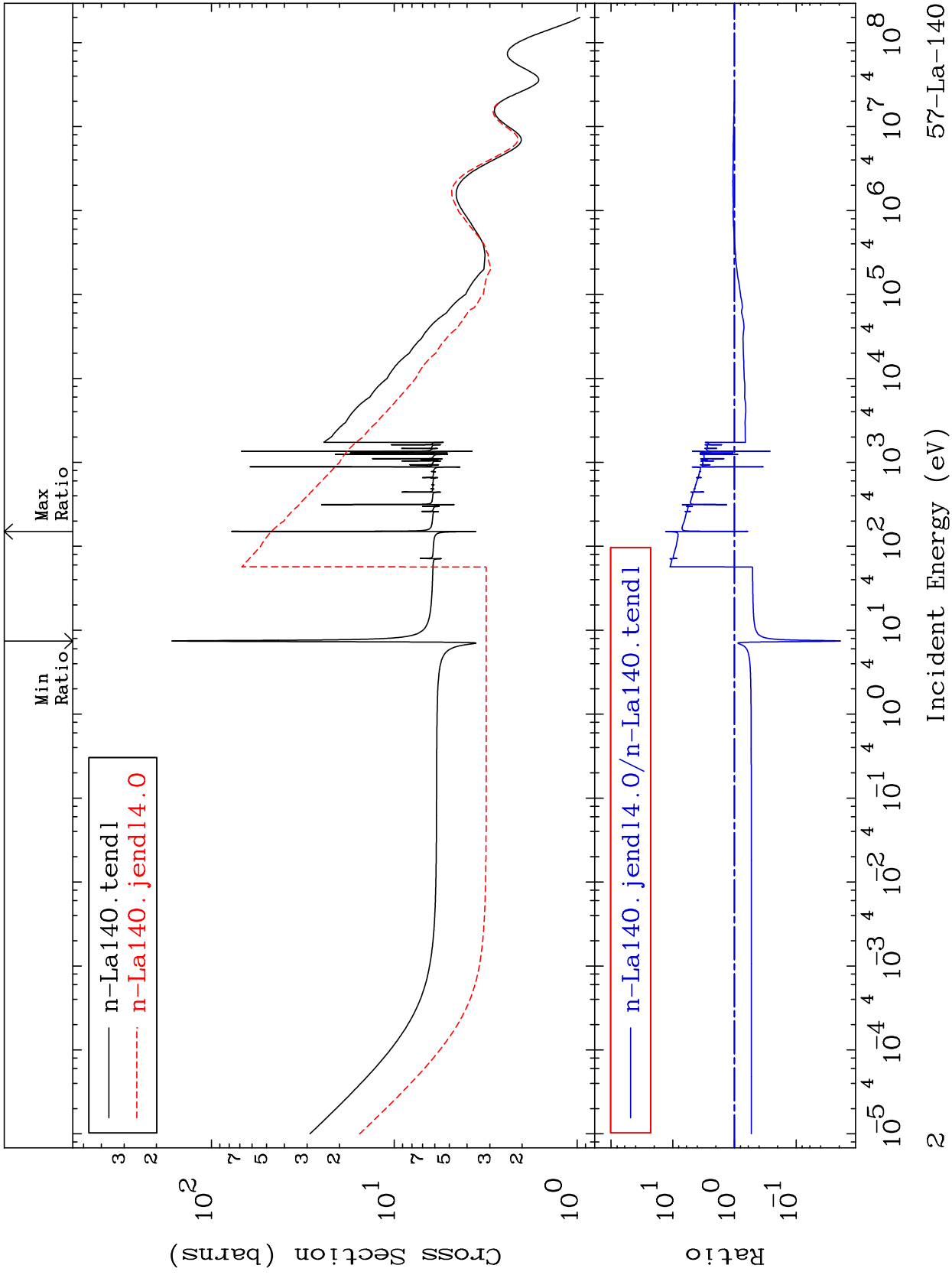


Incident Energy (eV)

57-La-140

MAT 5731

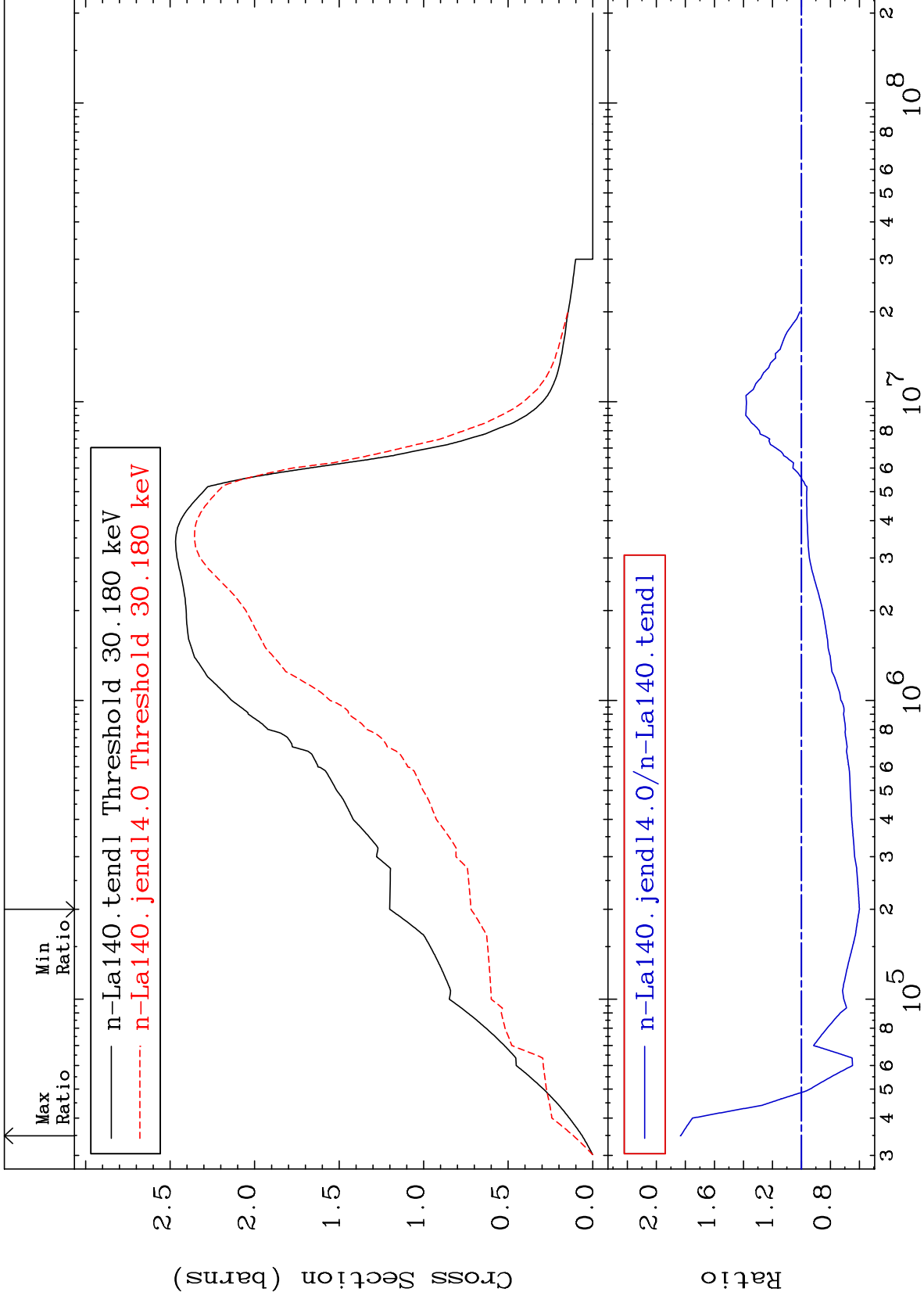
Elastic Cross Section
57-La-140
-98.10 To 1212. %



MAT 5731

Inelastic
Cross Section

57-La-140
-40.04 To 83.49 %



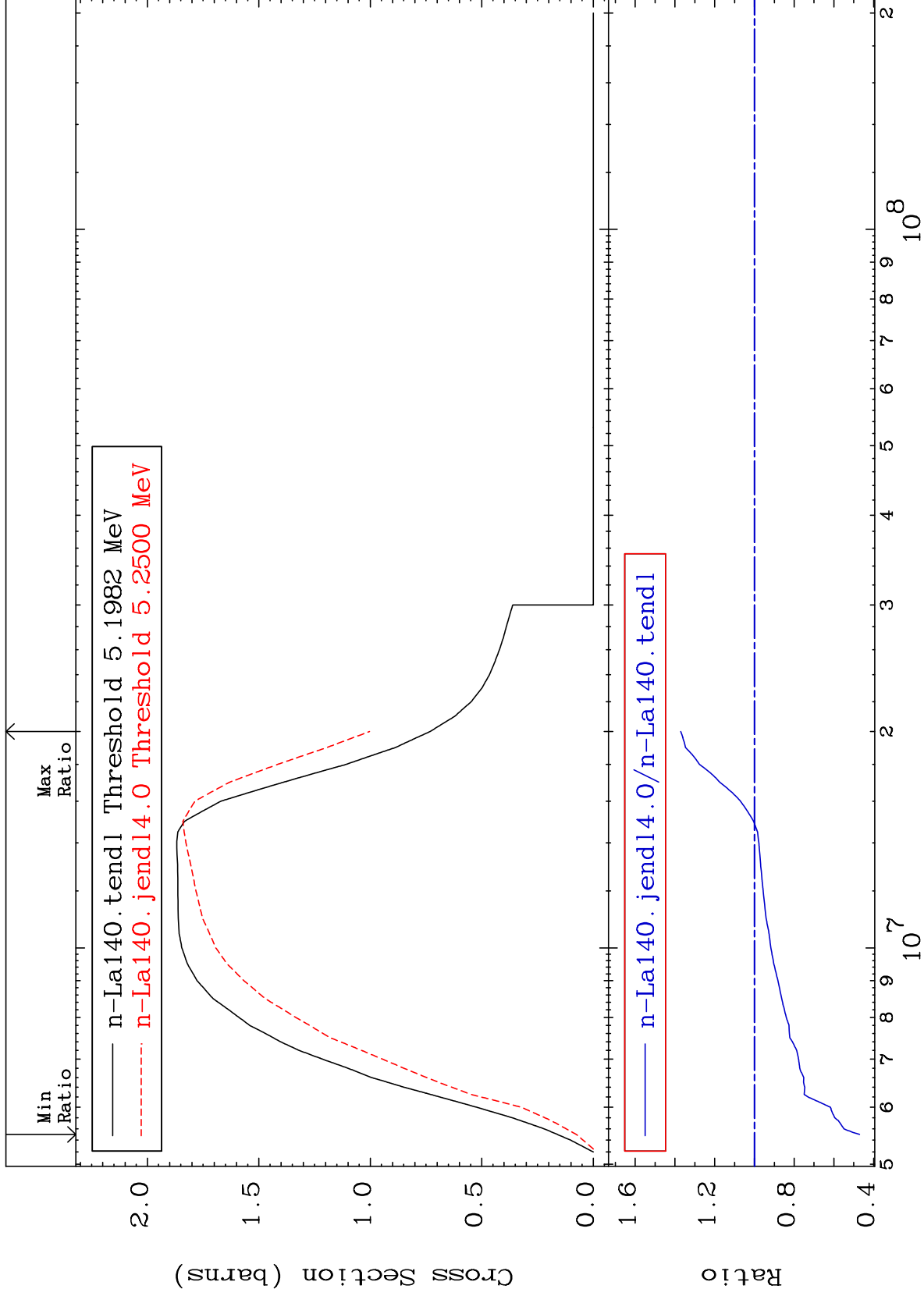
MAT 5731

(n,2n)

57-La-140

Cross Section

-52.88 To 37.05 %



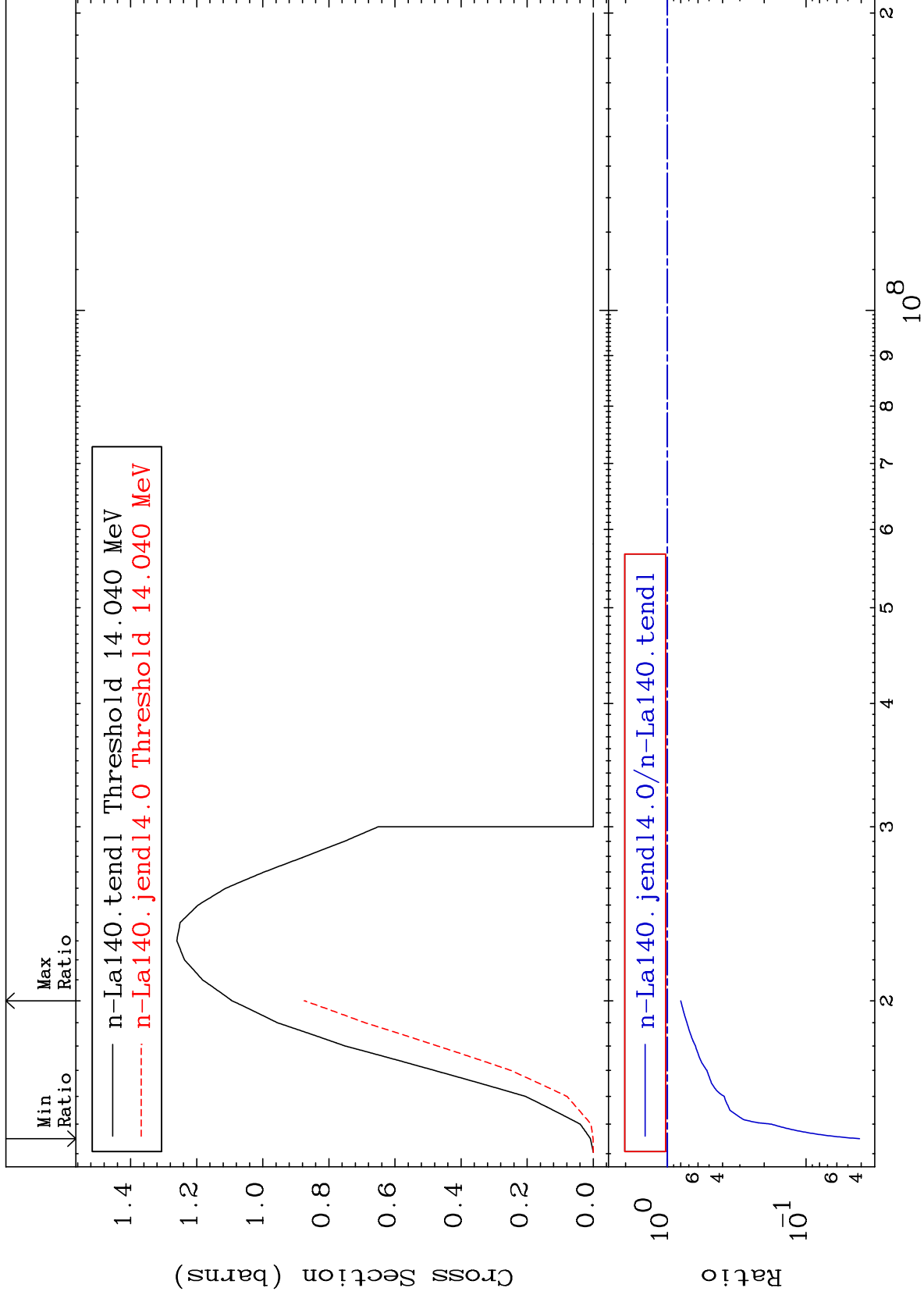
4

Incident Energy (eV)

57-La-140

Cross Section

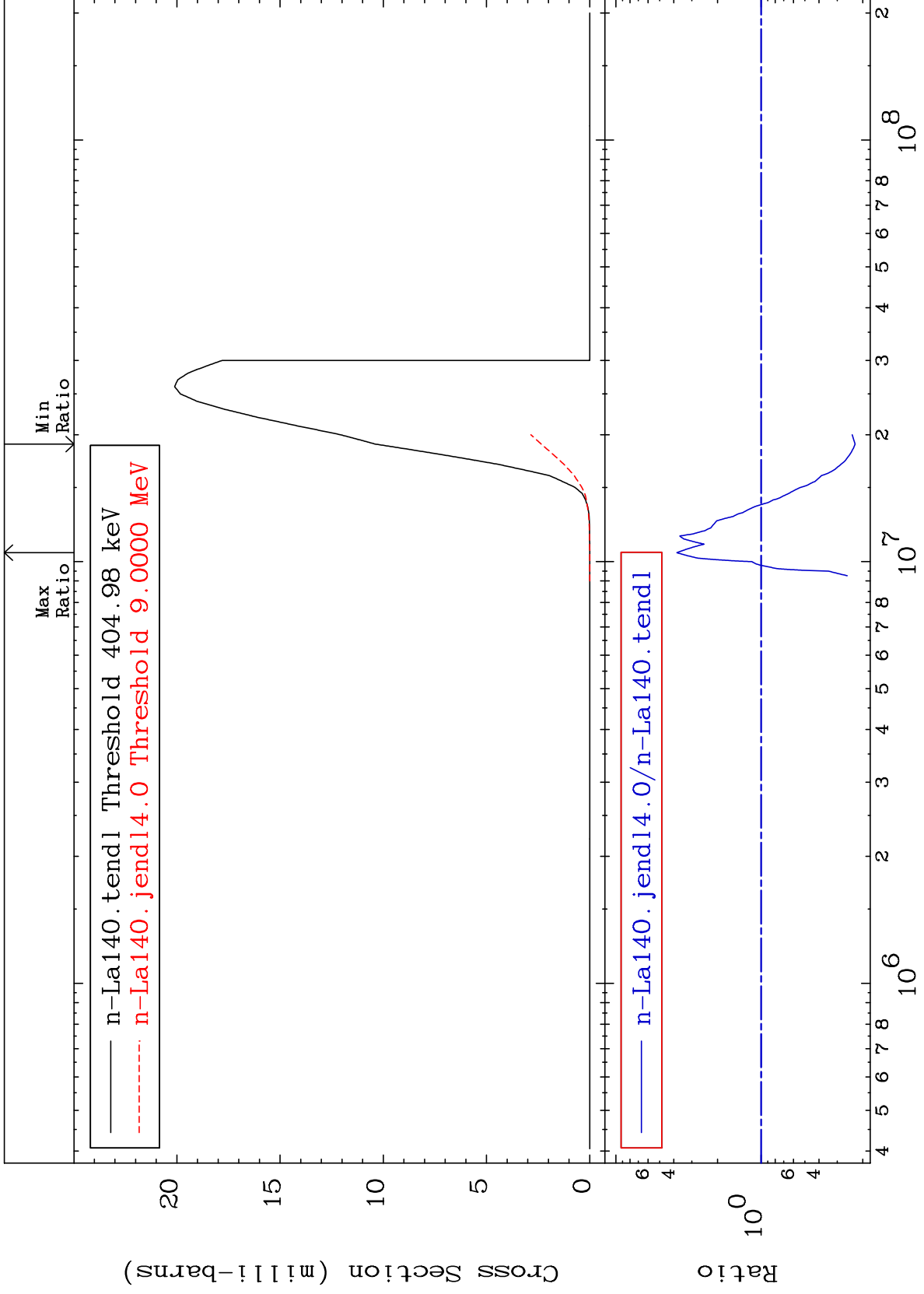
-95.89 To -20.00%



MAT 5731

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

57-La-140
-77.42 To 280.1 %



6

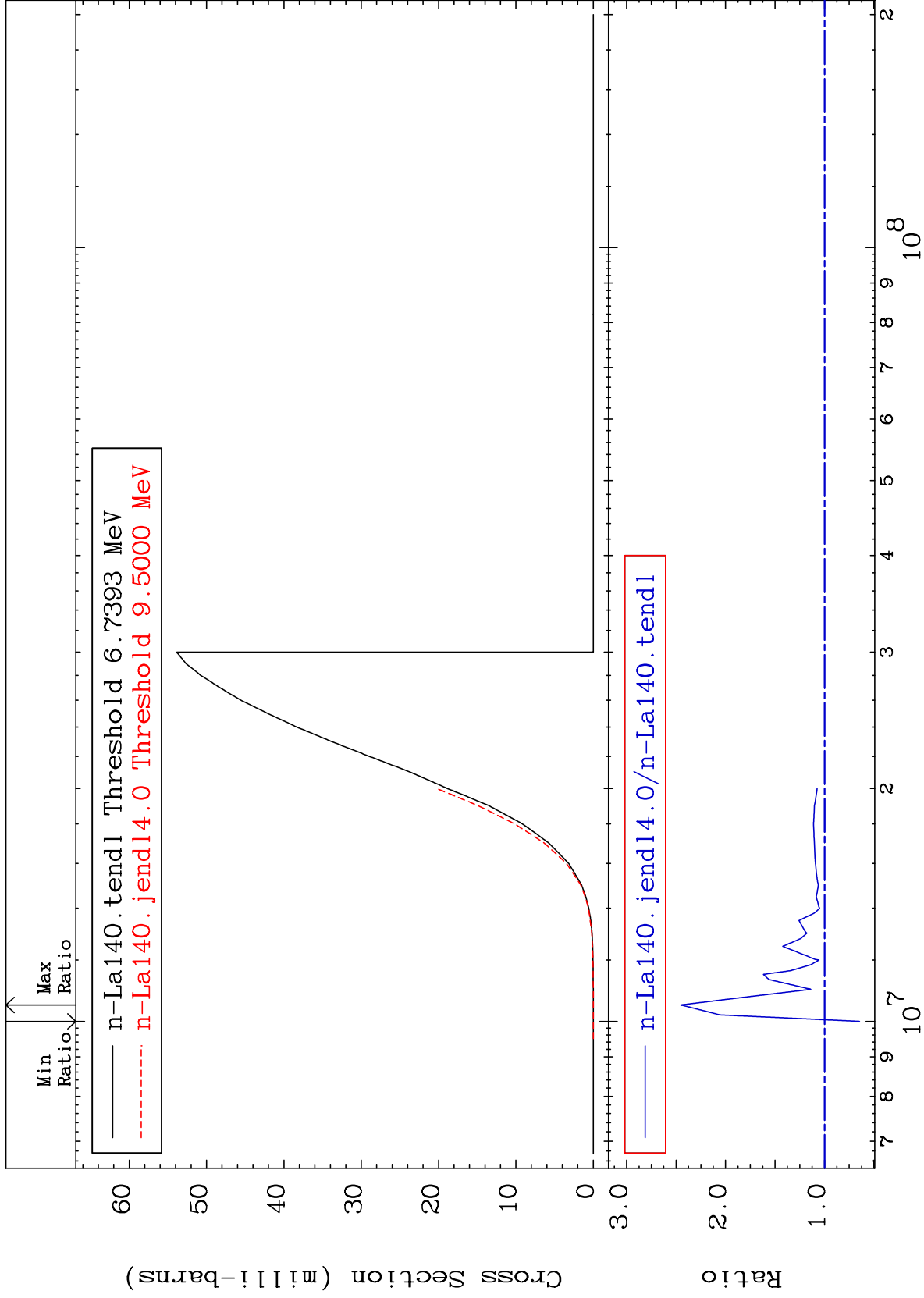
Incident Energy (eV)

57-La-140

MAT 5731

(n,n') p
Cross Section

57-La-140
-35.42 To 145.3 %



7

Incident Energy (eV)

57-La-140

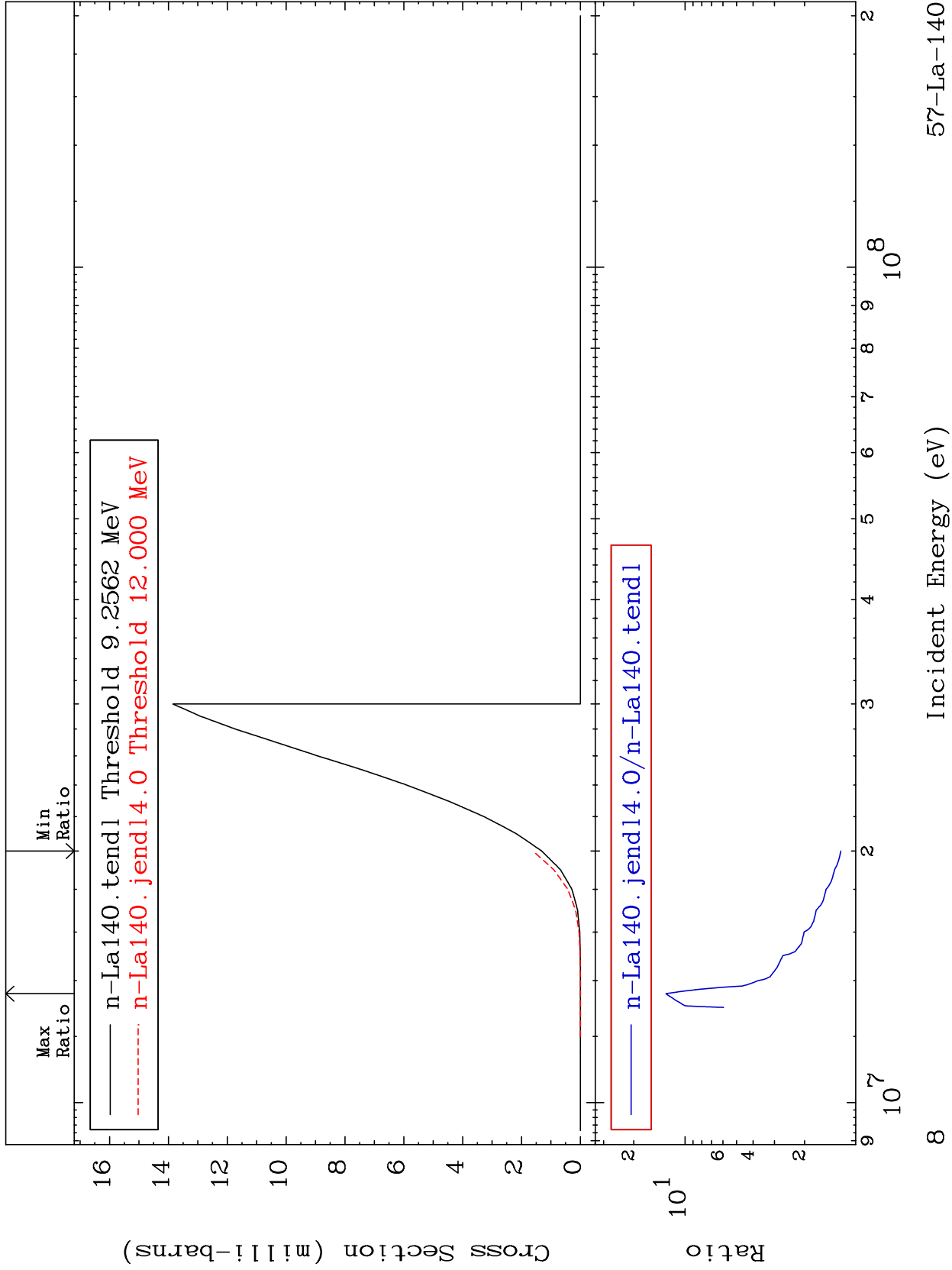
MAT 5731

(n,n') d

57-La-140

Cross Section

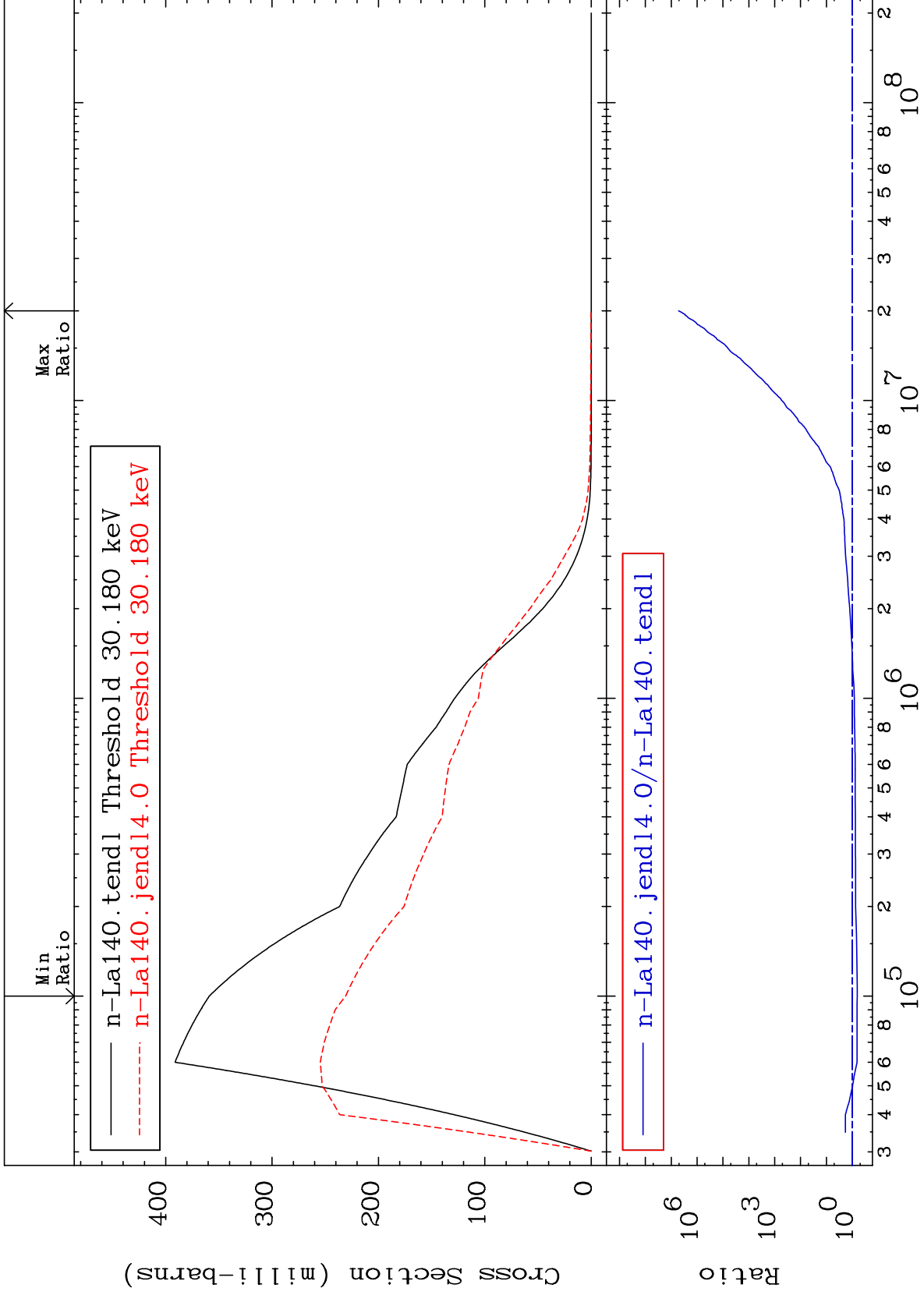
22.66 To 1194. %



MAT 5731

MT= 51 (n,n') Level
Cross Section

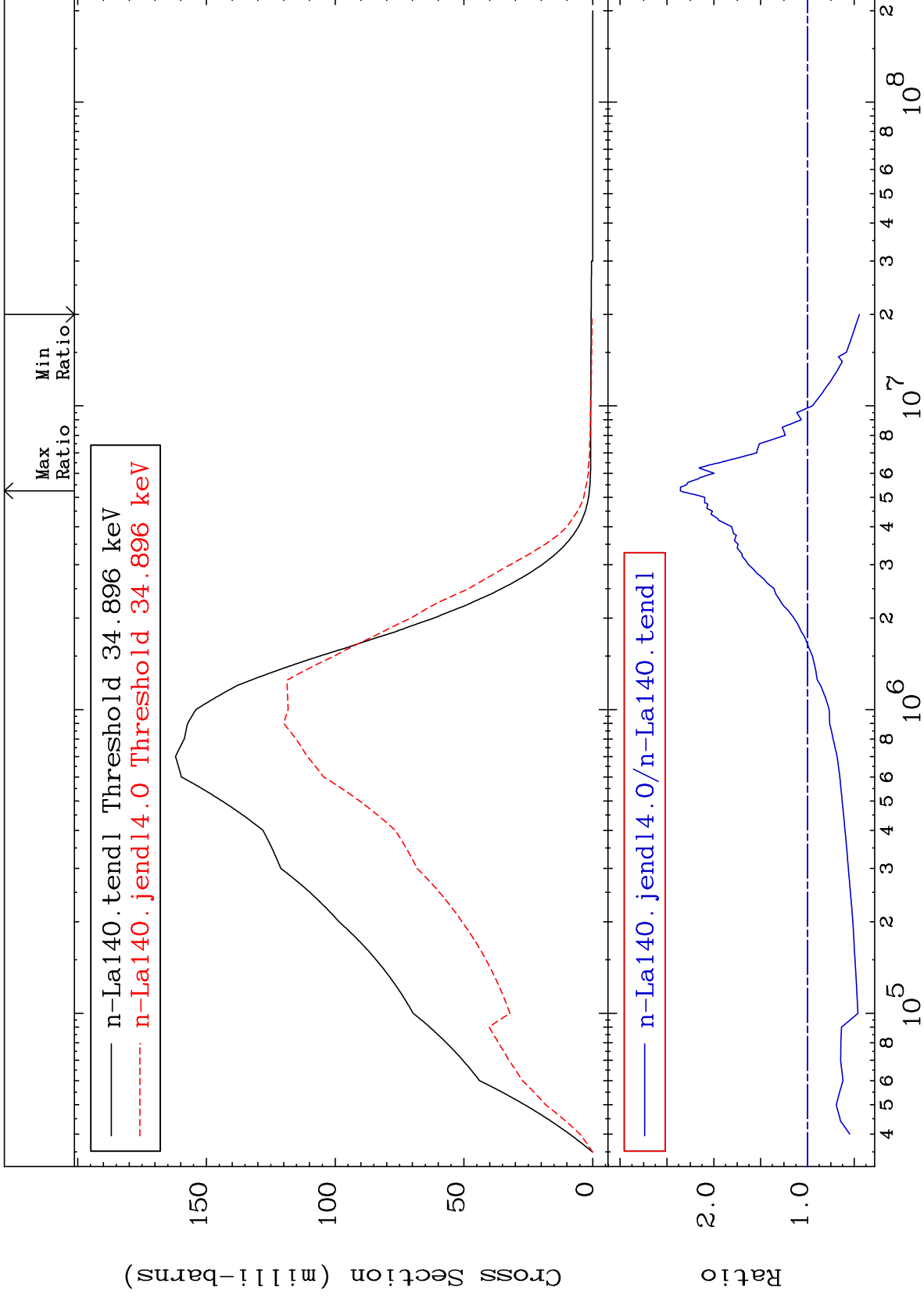
57-La-140
-35.70 To 9999. %



MAT 5731

MT= 52 (n, n') Level
Cross Section

57-La-140
-55.51 To 135.7 %



10

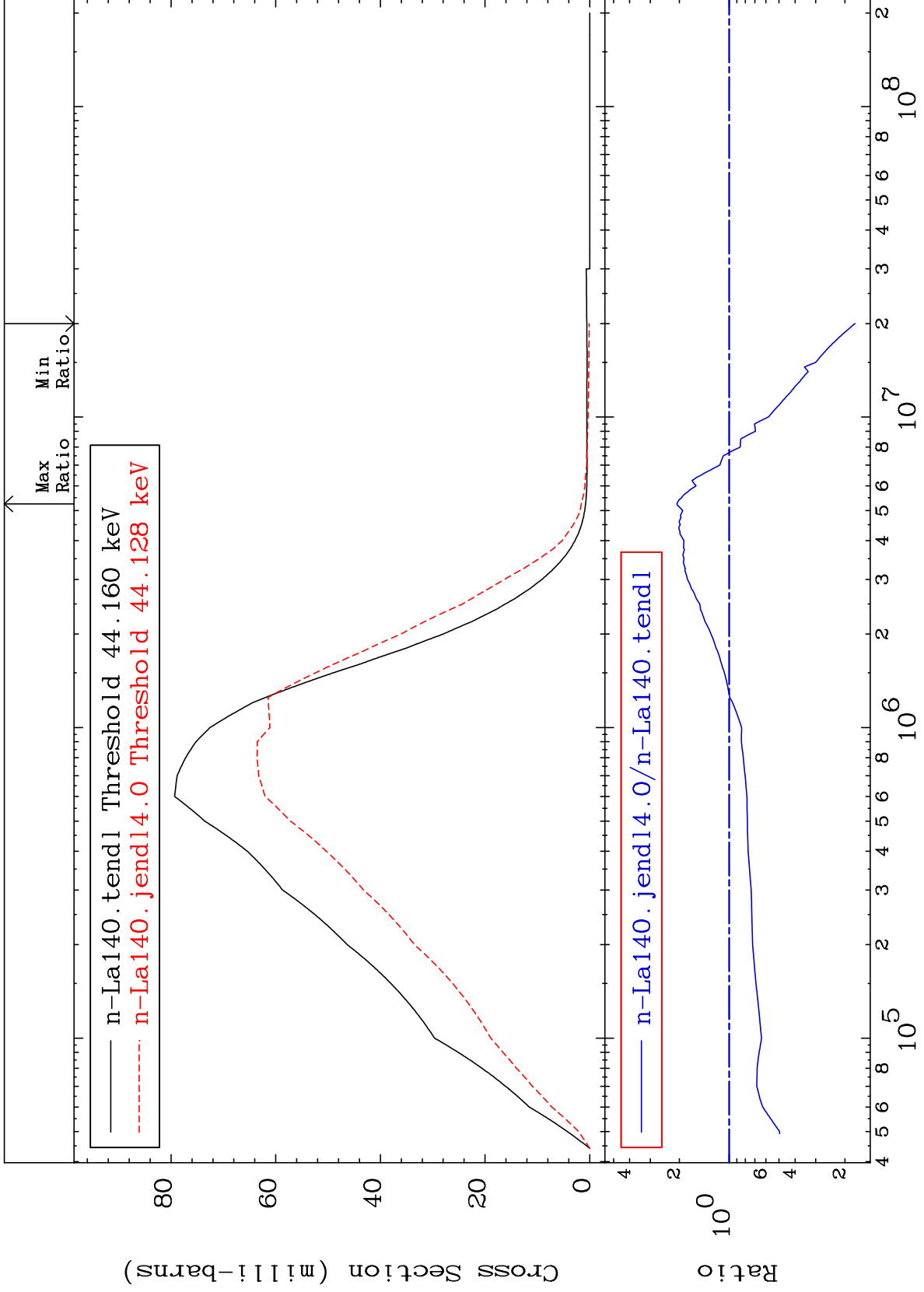
Incident Energy (eV)

57-La-140

MAT 5731

MT= 53 (n,n') Level
Cross Section

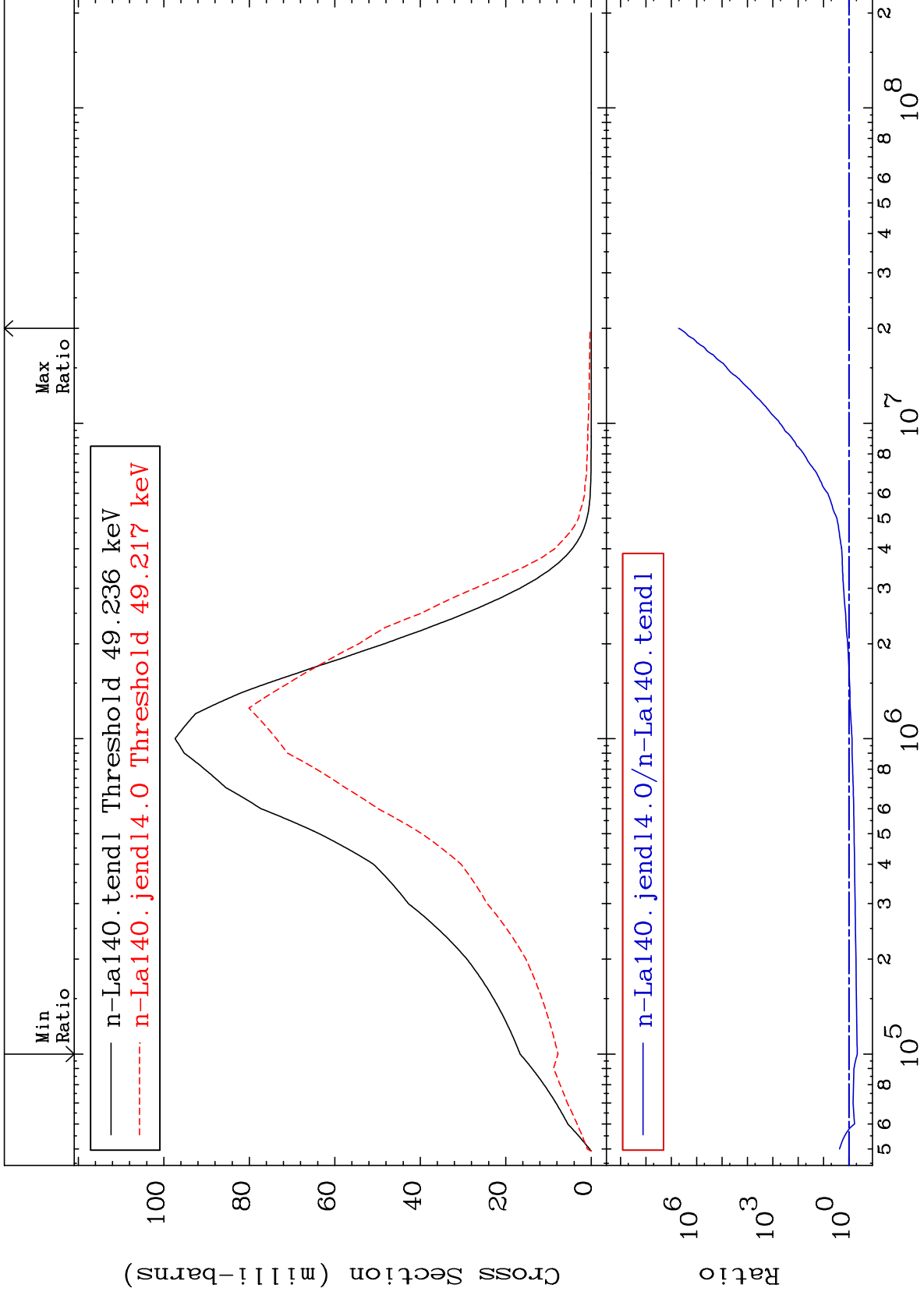
57-La-140
-82.65 To 107.1 %



MAT 5731

MT= 54 (n,n') Level
Cross Section

57-La-140
-53.24 To 9999. %



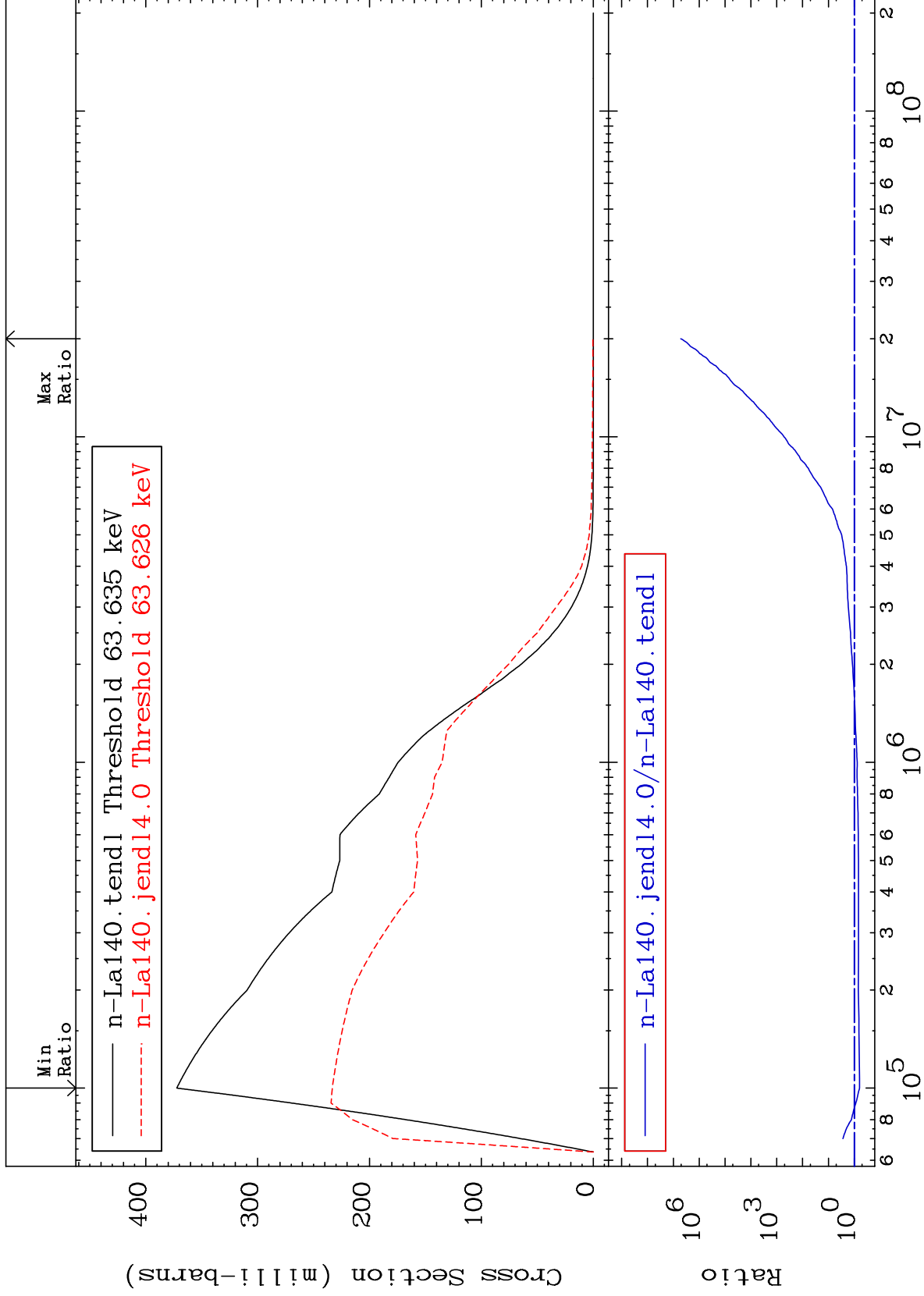
12

57-La-140

MAT 5731

MT= 55 (n,n') Level
Cross Section

57-La-140
-37.34 To 9999. %



13

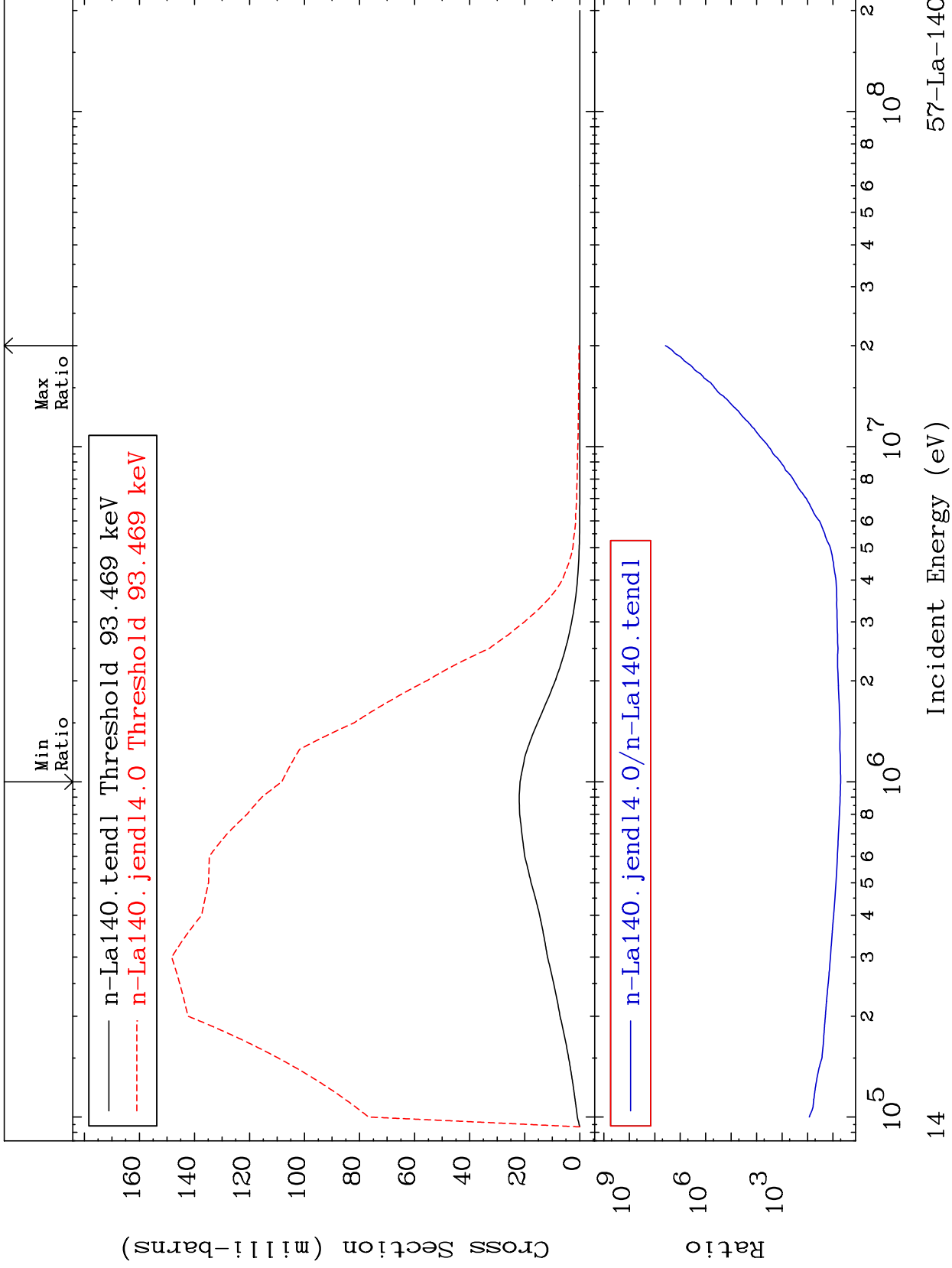
Incident Energy (eV)

57-La-140

MAT 5731

MT= 56 (n,n') Level
Cross Section

57-La-140
399.4 To 9999. %



57-La-140

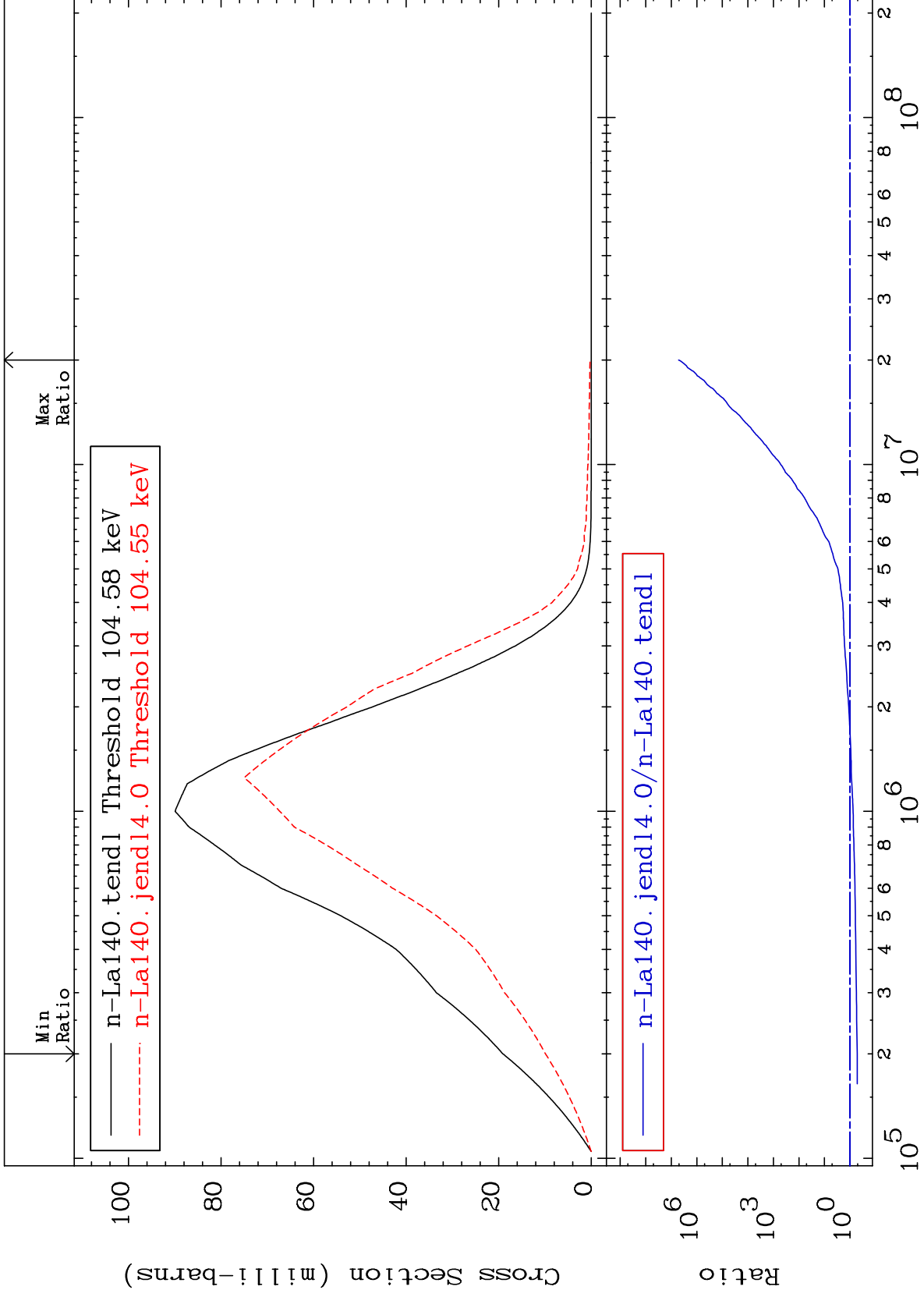
Incident Energy (eV)

14

MAT 5731

MT= 57 (n,n') Level
Cross Section

57-La-140
-48.20 To 9999. %



15

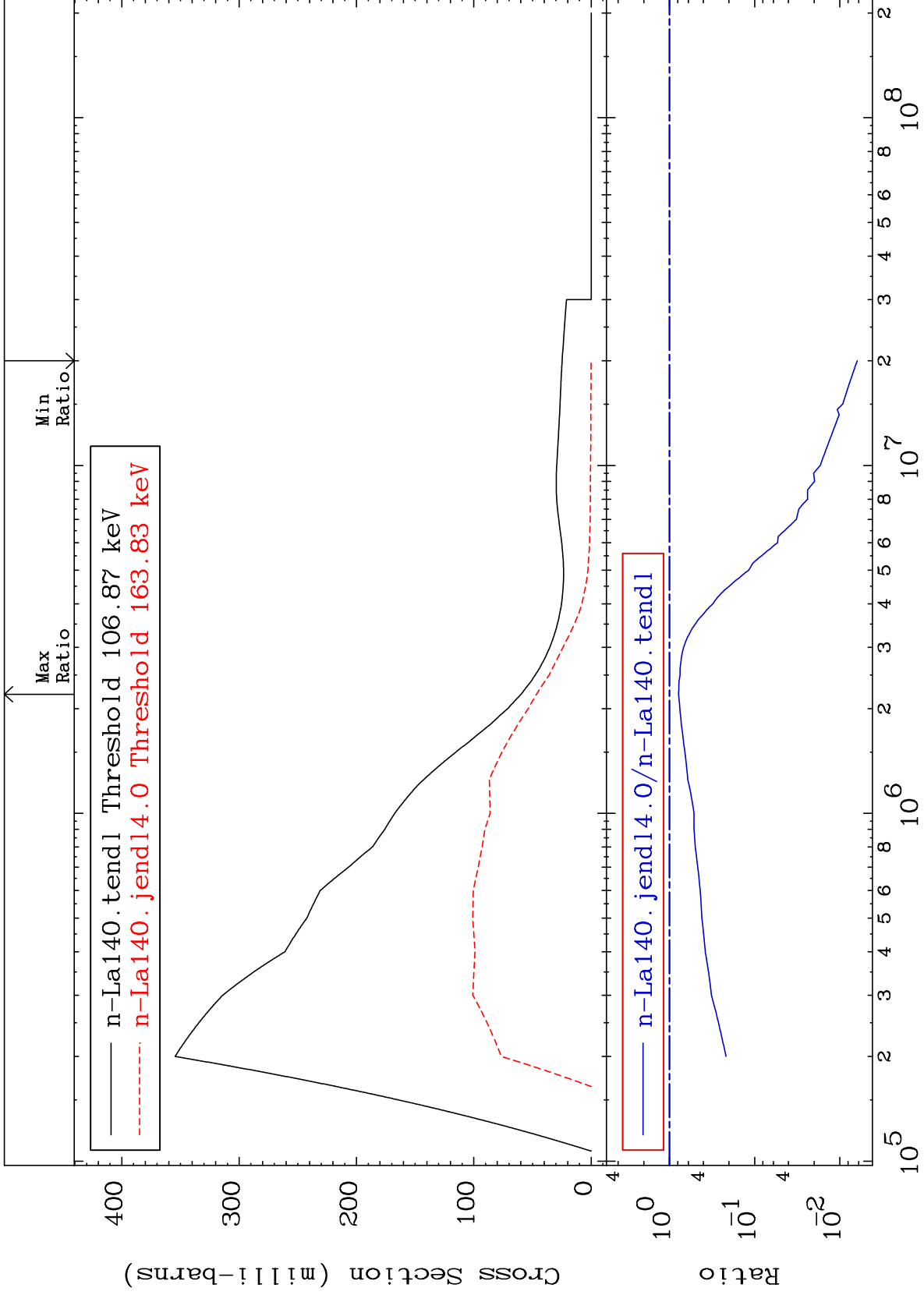
Incident Energy (eV)

57-La-140

MAT 5731

MT= 58 (n,n') Level
Cross Section

57-La-140
-99.38 To -22.00%



Incident Energy (eV)

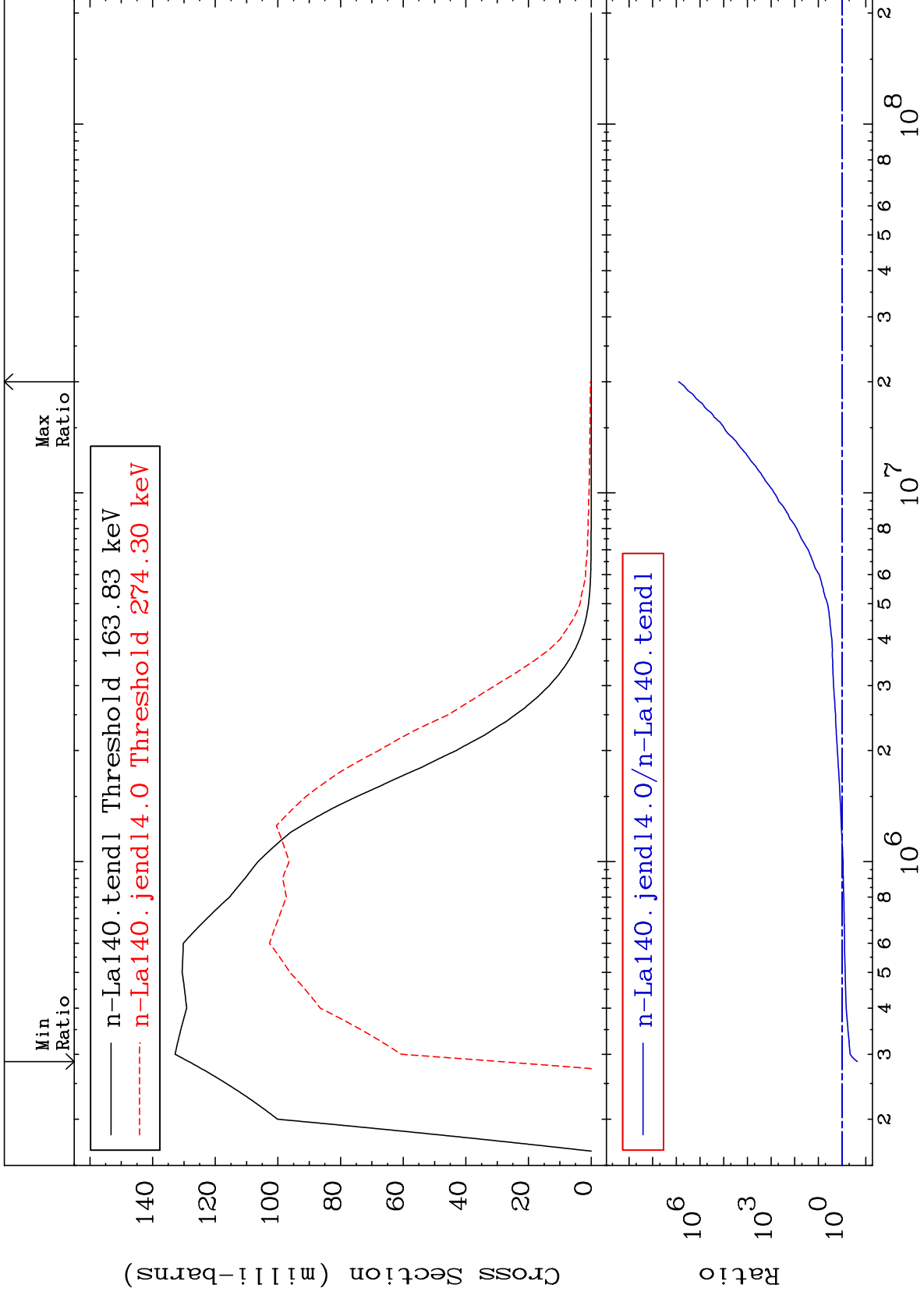
57-La-140

16

MAT 5731

MT= 59 (n,n') Level
Cross Section

57-La-140
-77.19 To 9999. %



17

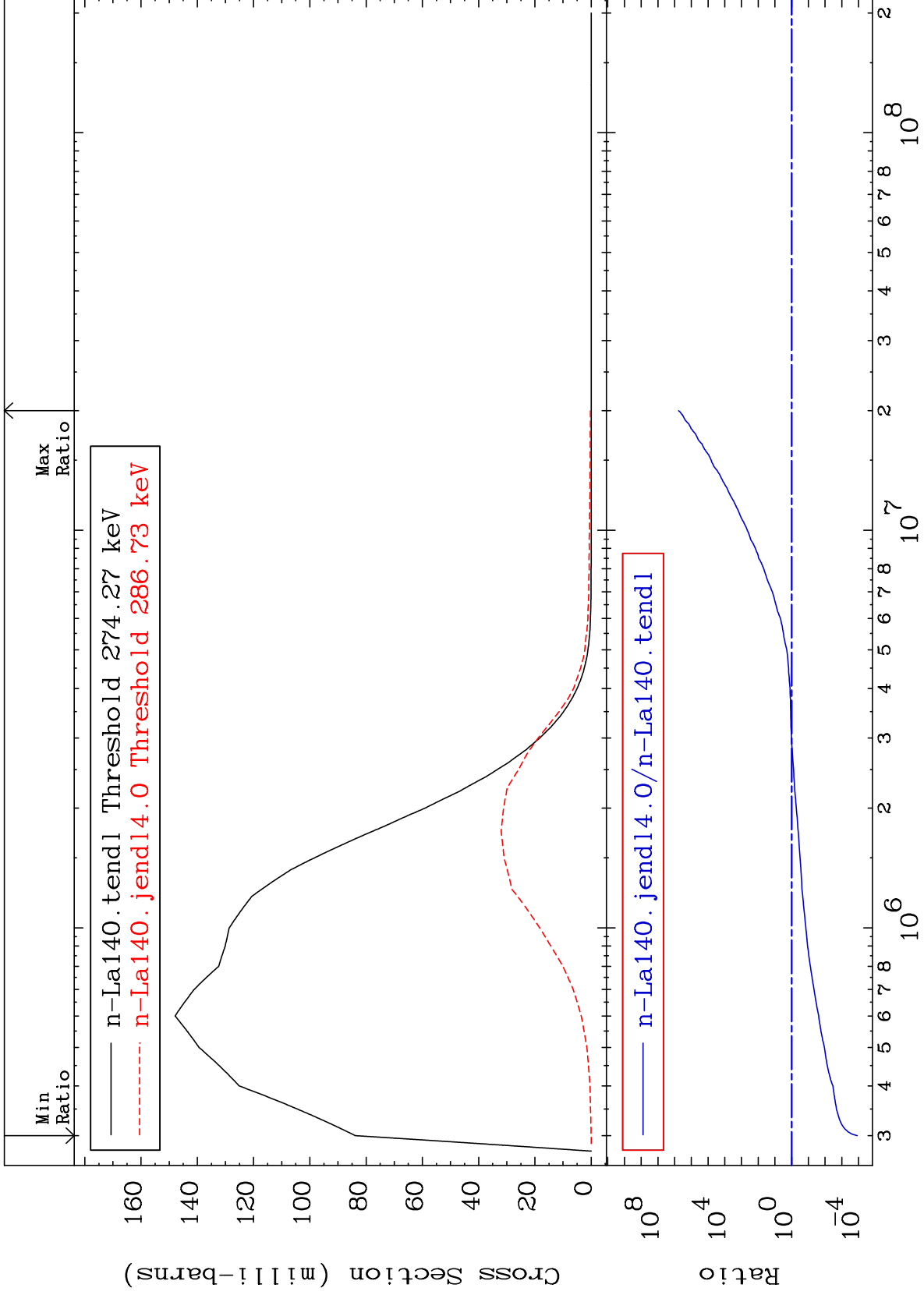
Incident Energy (eV)

57-La-140

MAT 5731

MT= 60 (n,n') Level
Cross Section

57-La-140
-99.99 To 9999. %



18

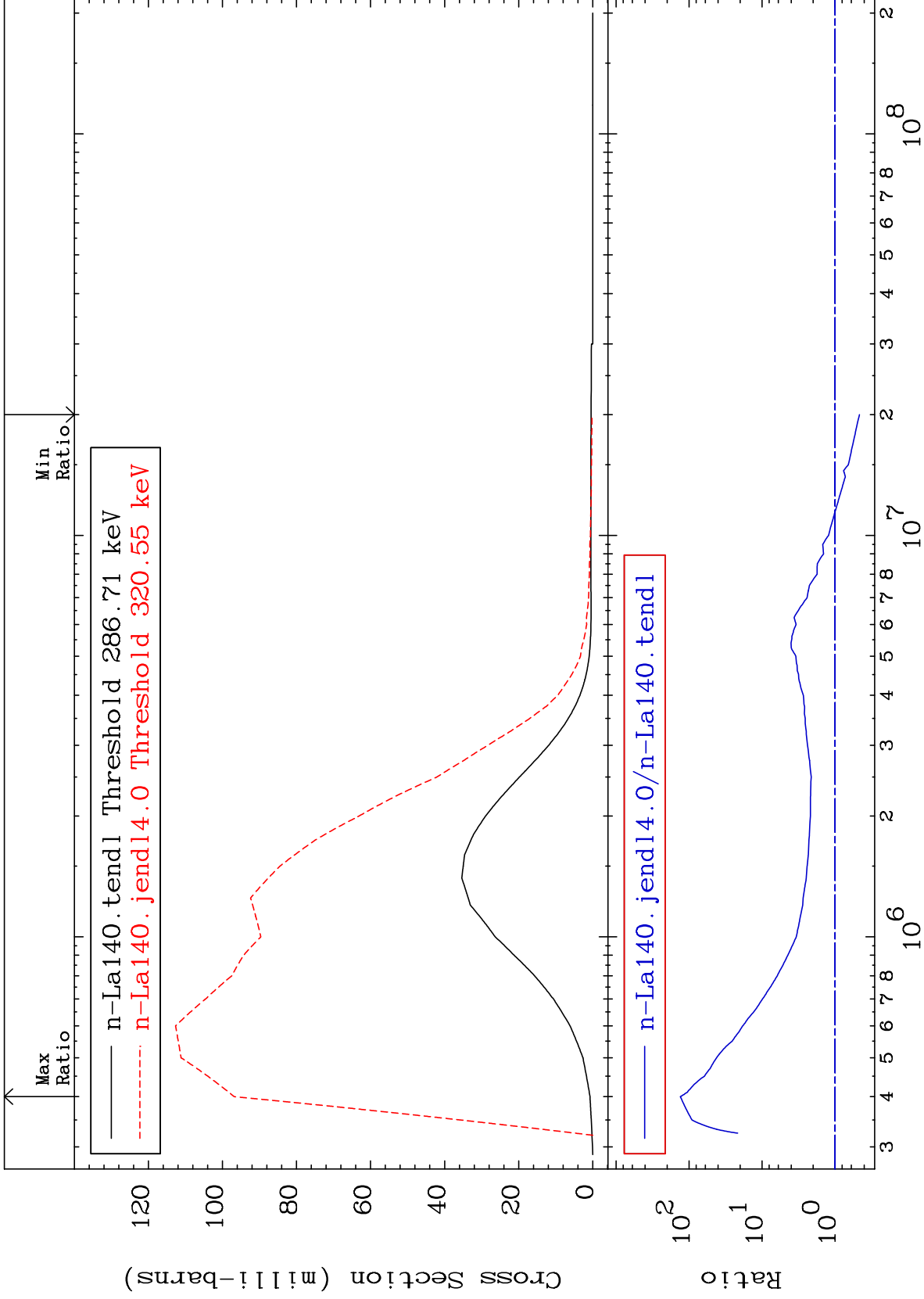
Incident Energy (eV)

57-La-140

MAT 5731

MT= 61 (n,n') Level
Cross Section

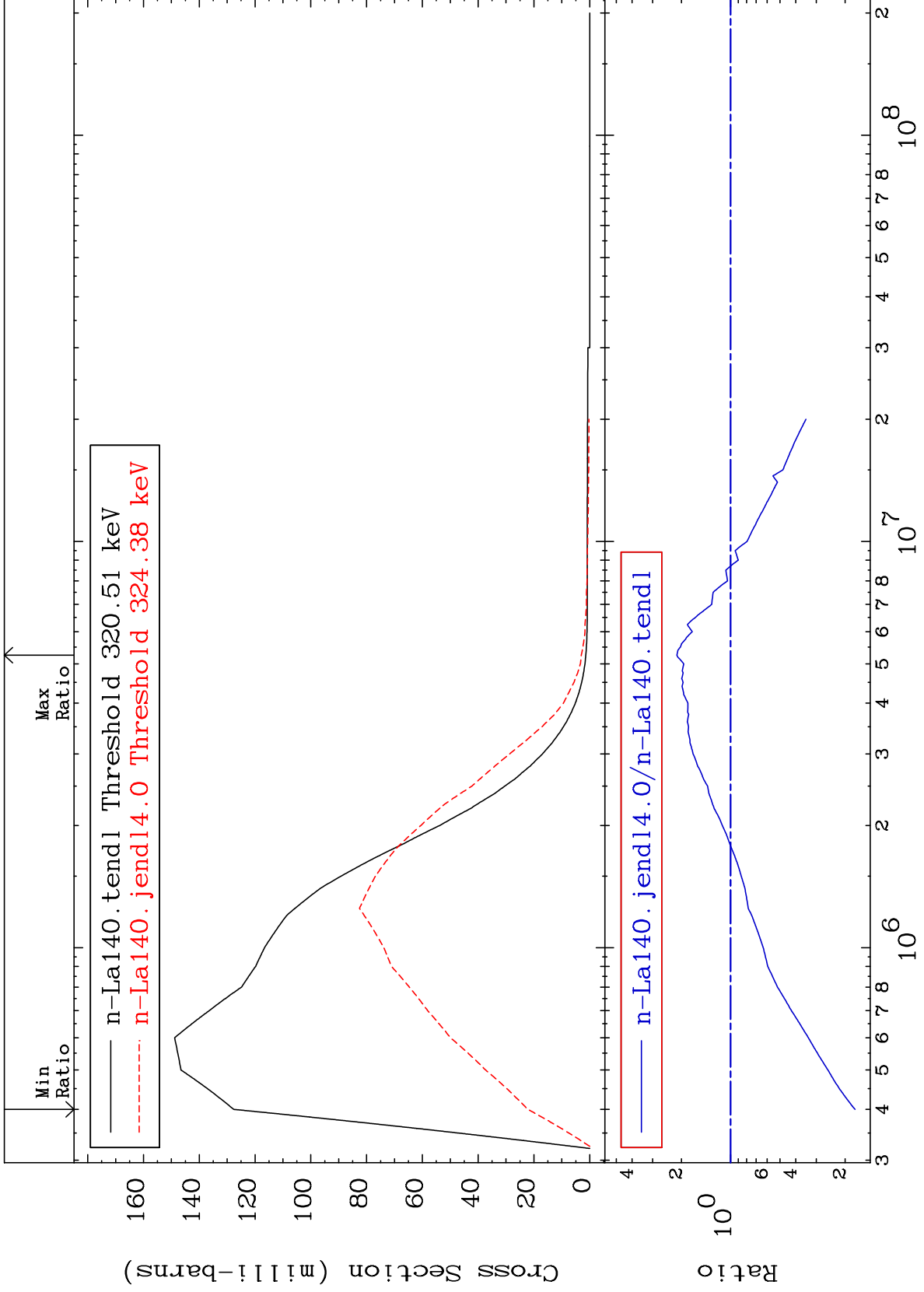
57-La-140
-53.59 To 9999. %



MAT 5731

MT= 62 (n,n') Level
Cross Section

57-La-140
-82.62 To 113.1 %



20

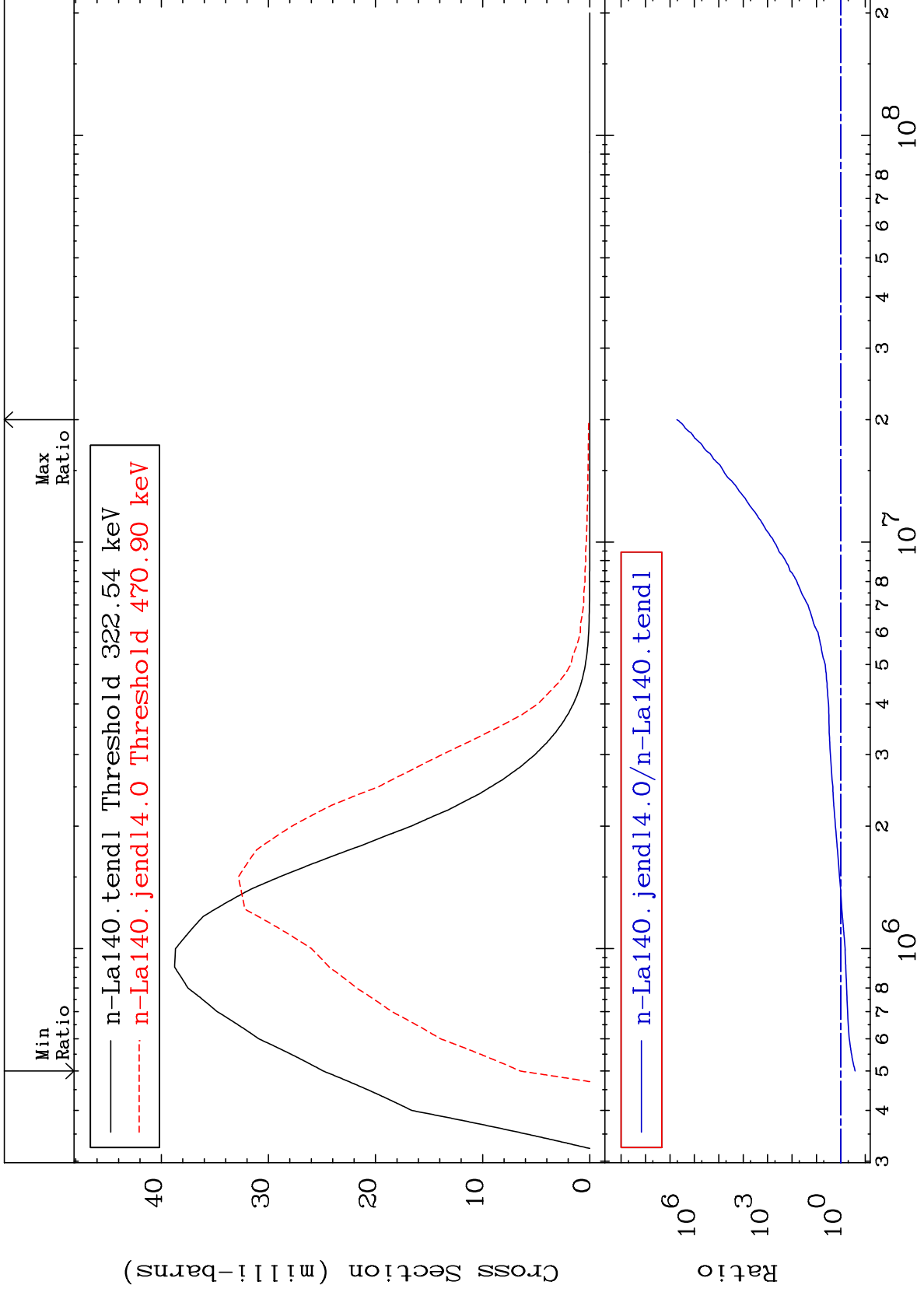
Incident Energy (eV)

57-La-140

MAT 5731

MT= 63 (n,n') Level
Cross Section

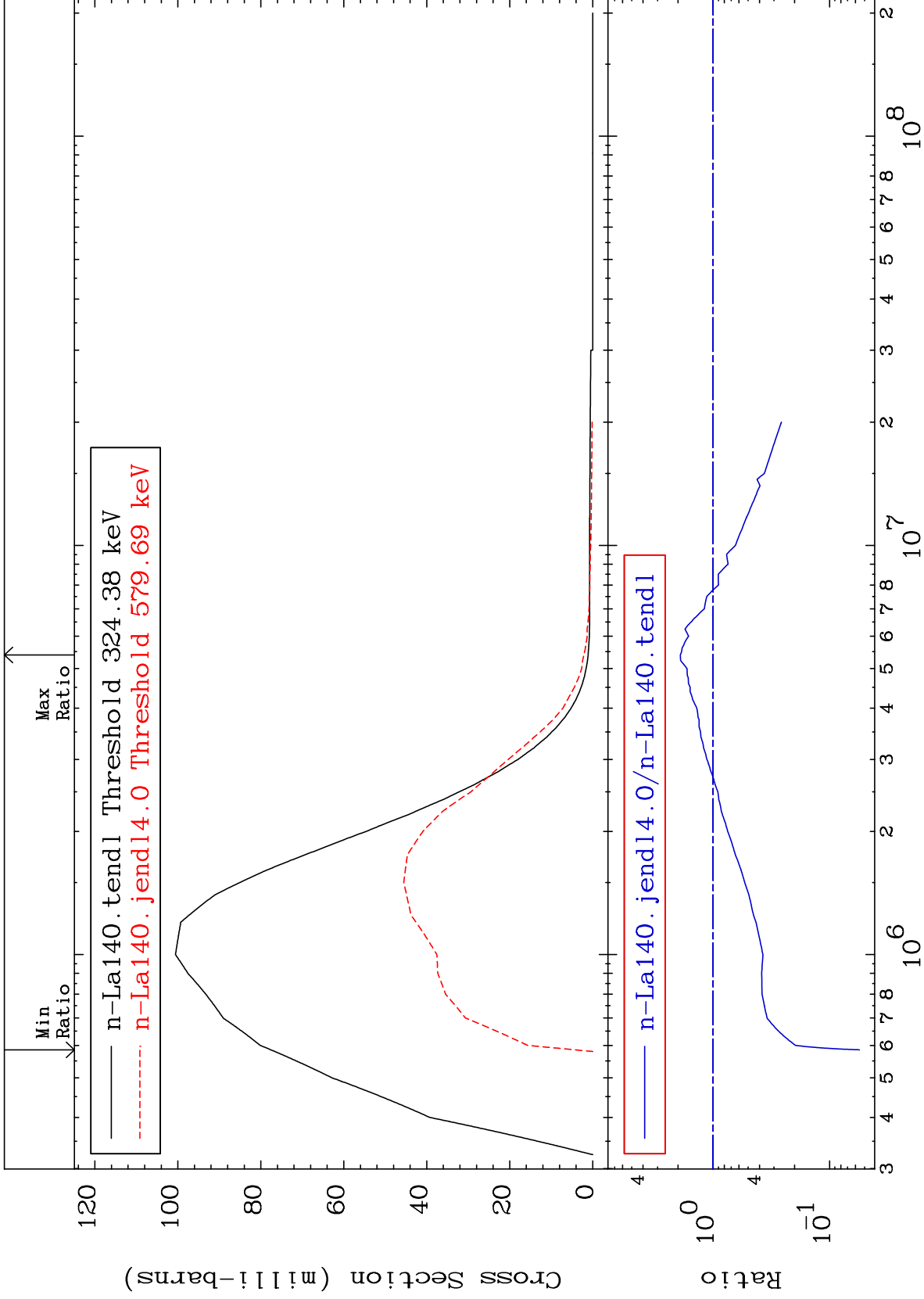
57-La-140
-73.95 To 9999. %



MAT 5731

MT= 64 (n,n') Level
Cross Section

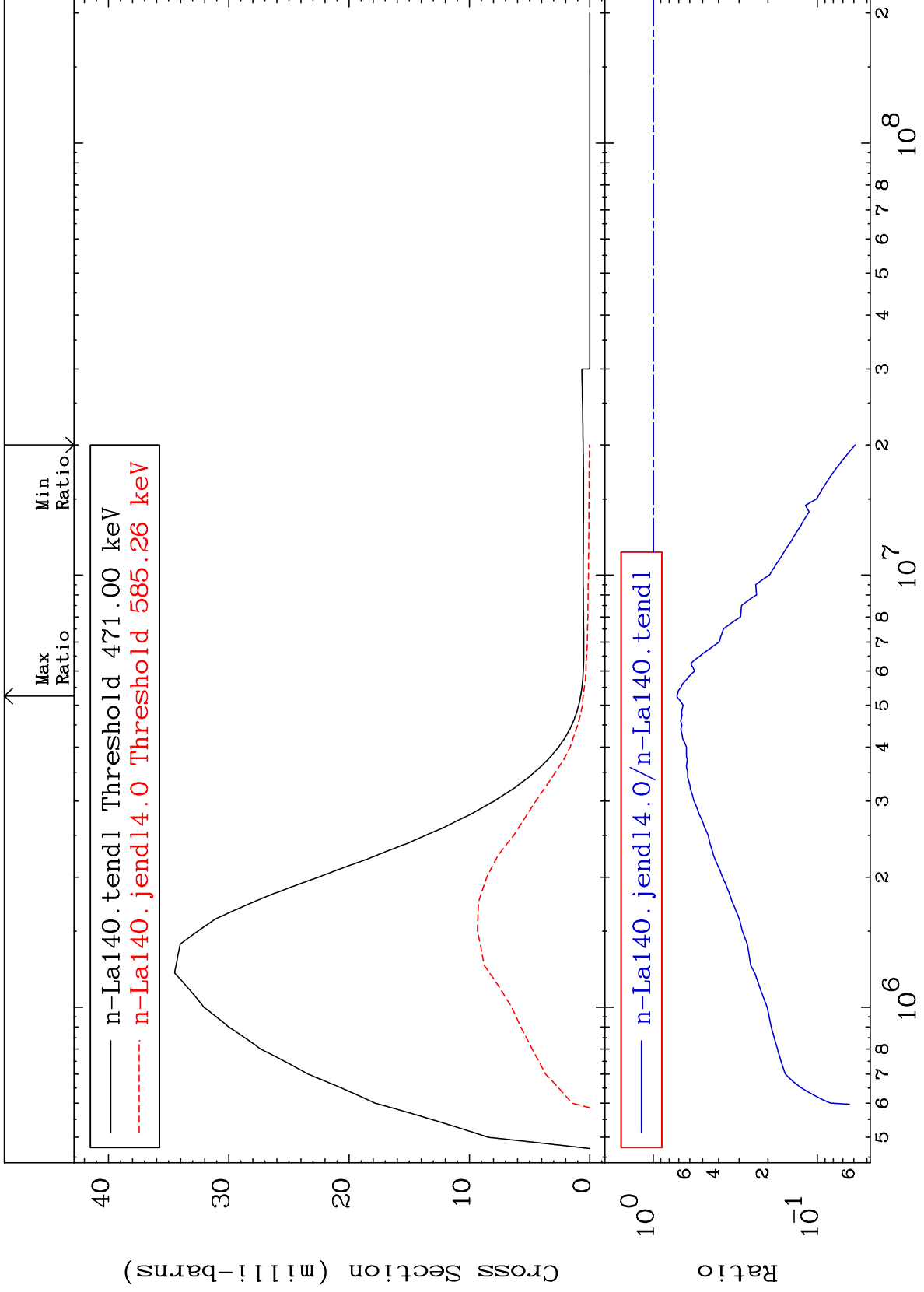
57-La-140
-94.46 To 91.03 %



MAT 5731

MT= 65 (n,n') Level
Cross Section

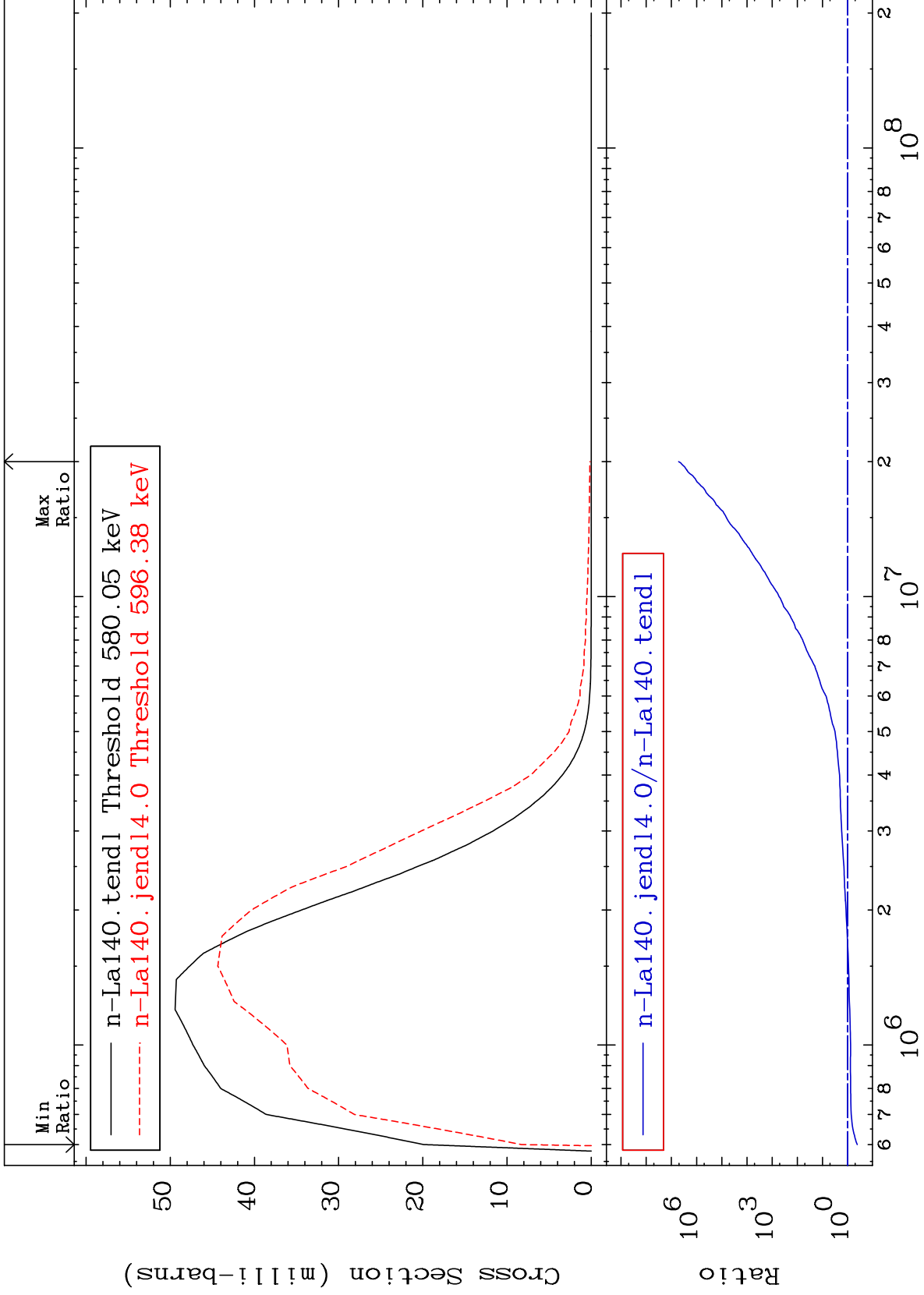
57-La-140
-94.11 To -28.23%



MAT 5731

MT= 66 (n,n') Level
Cross Section

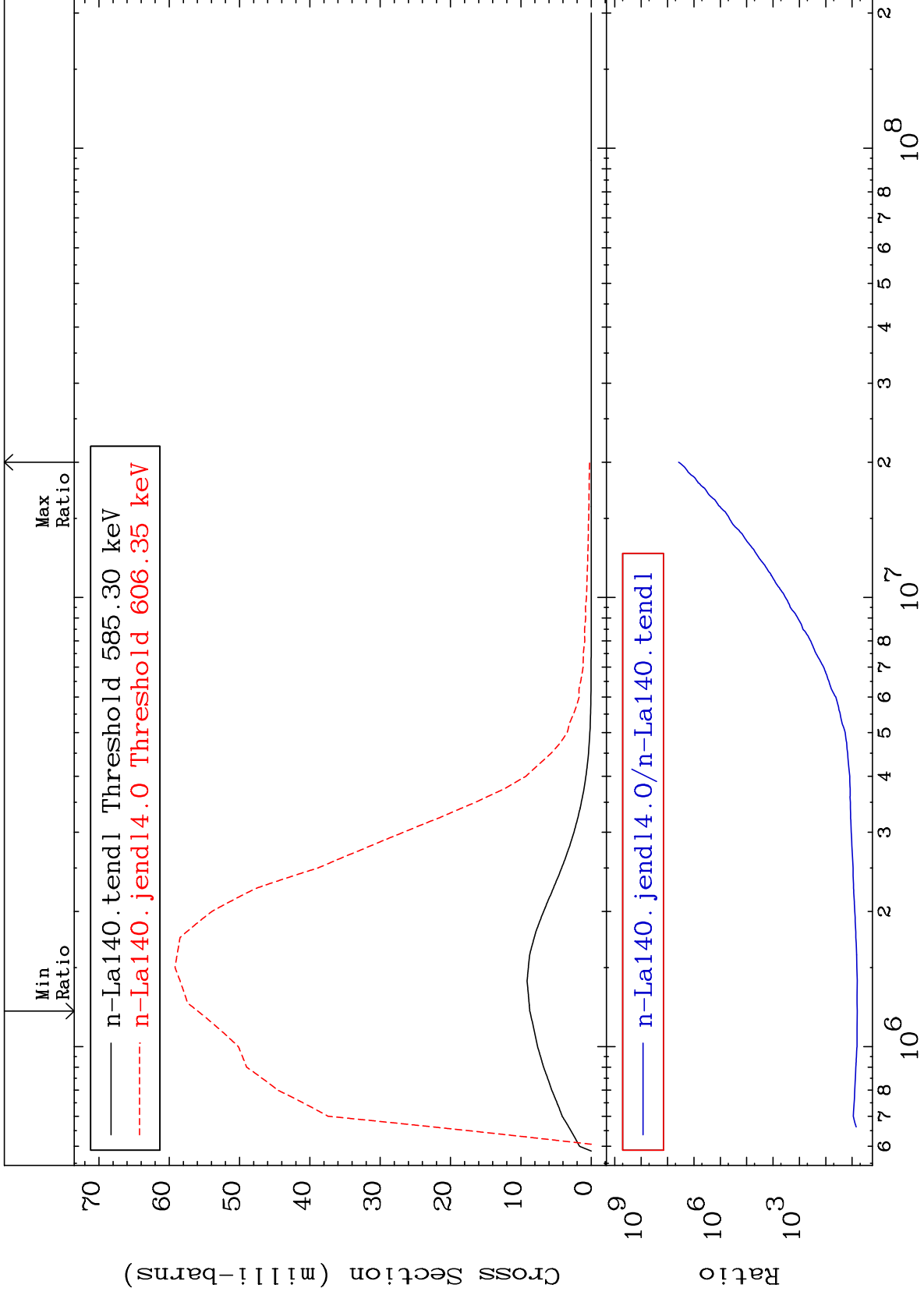
57-La-140
-58.39 To 9999. %



MAT 5731

MT= 67 (n,n') Level
Cross Section

57-La-140
540.5 To 9999. %



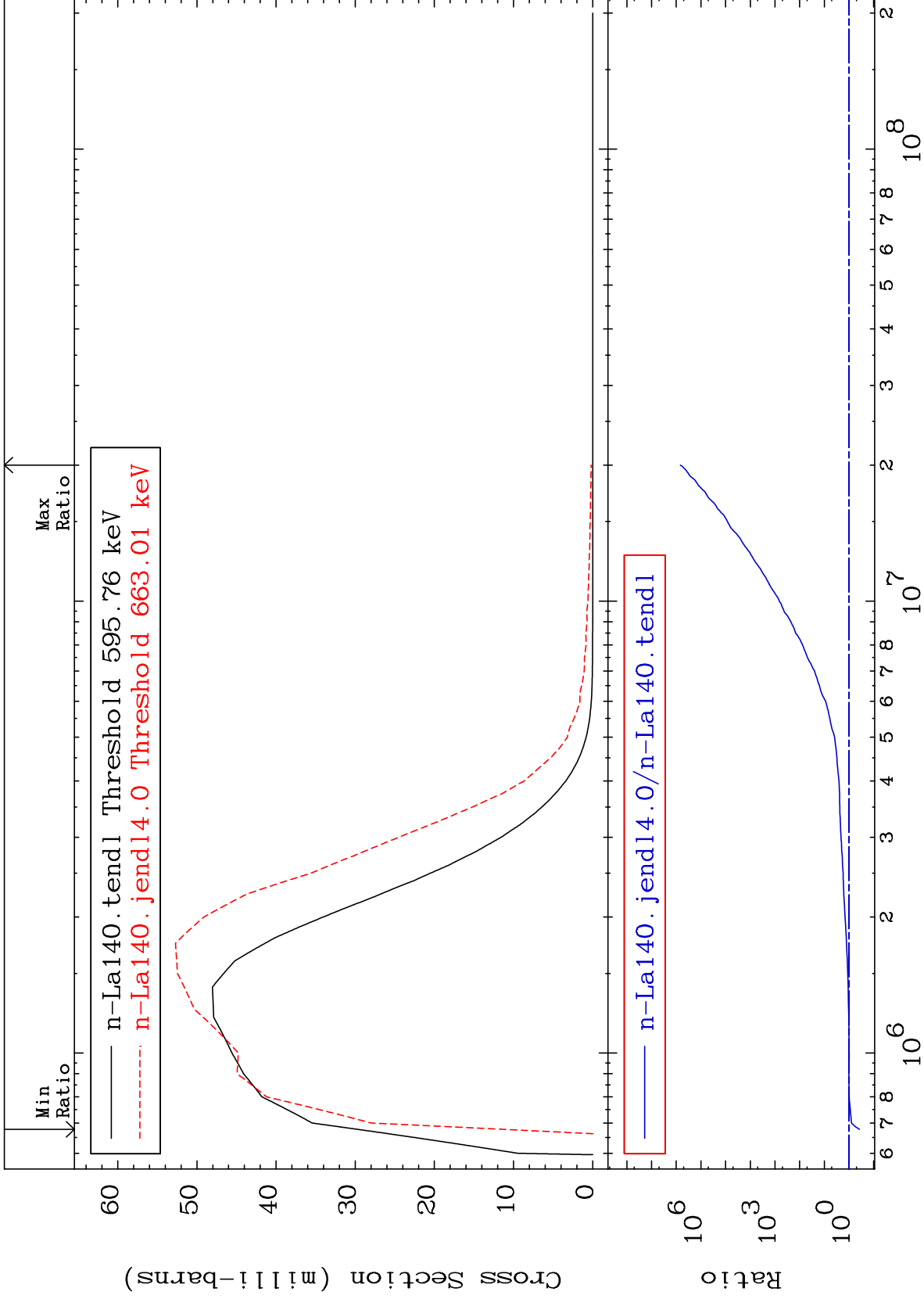
25

57-La-140

MAT 5731

MT= 68 (n,n') Level
Cross Section

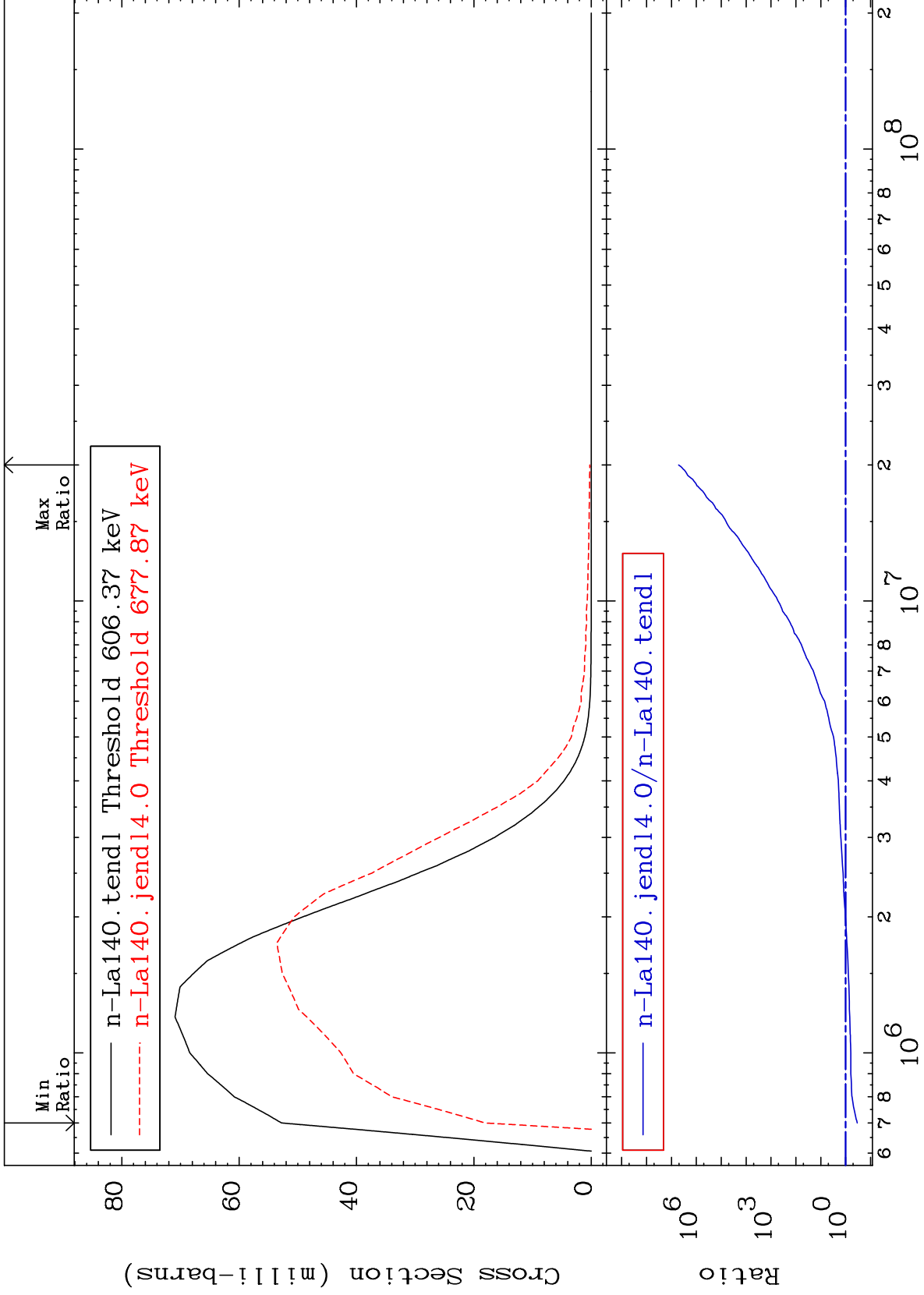
57-La-140
-62.14 To 9999. %



MAT 5731

MT= 69 (n,n') Level
Cross Section

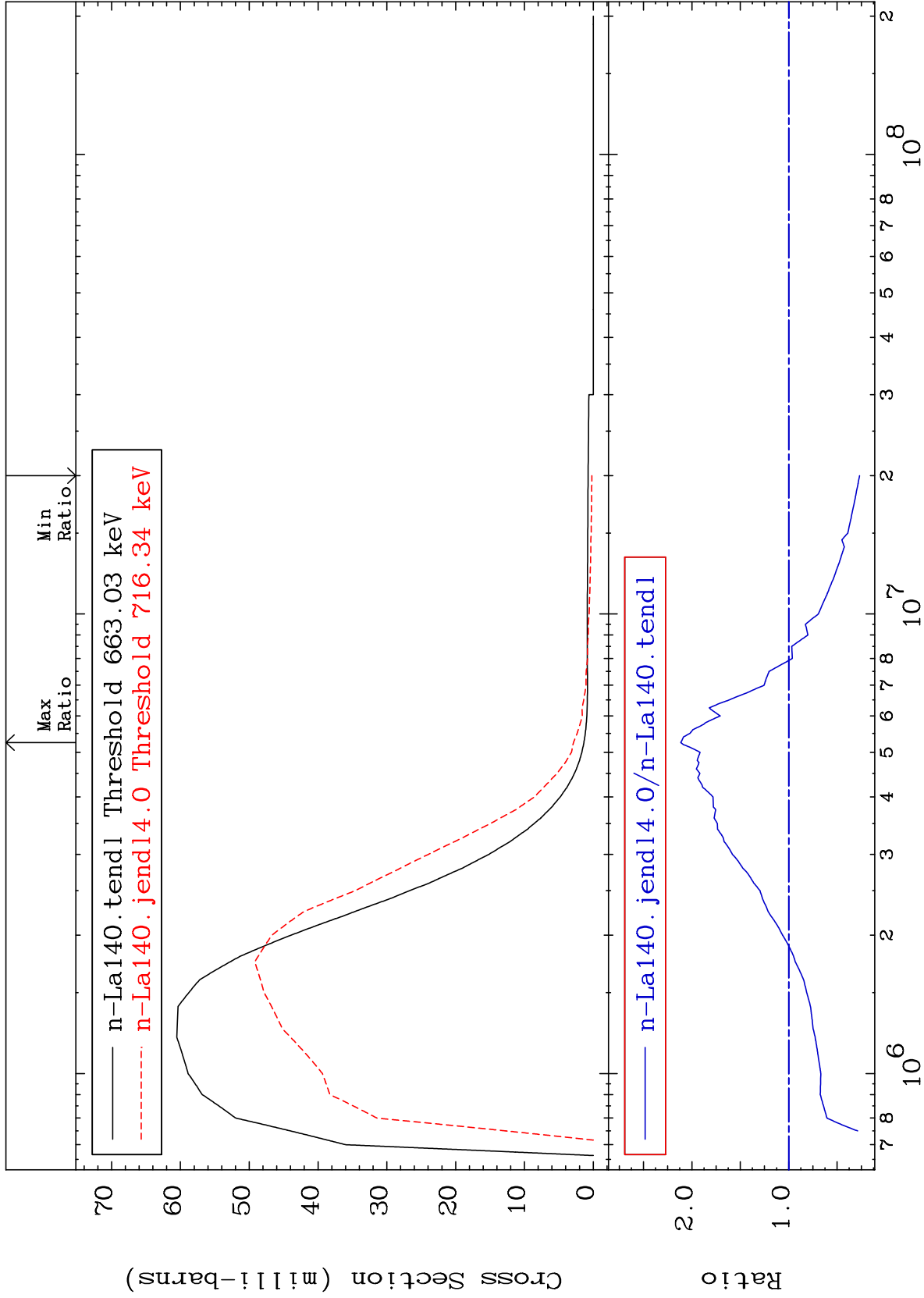
57-La-140
-65.75 To 9999. %



MAT 5731

MT= 70 (n,n') Level
Cross Section

57-La-140
-73.17 To 111.5 %



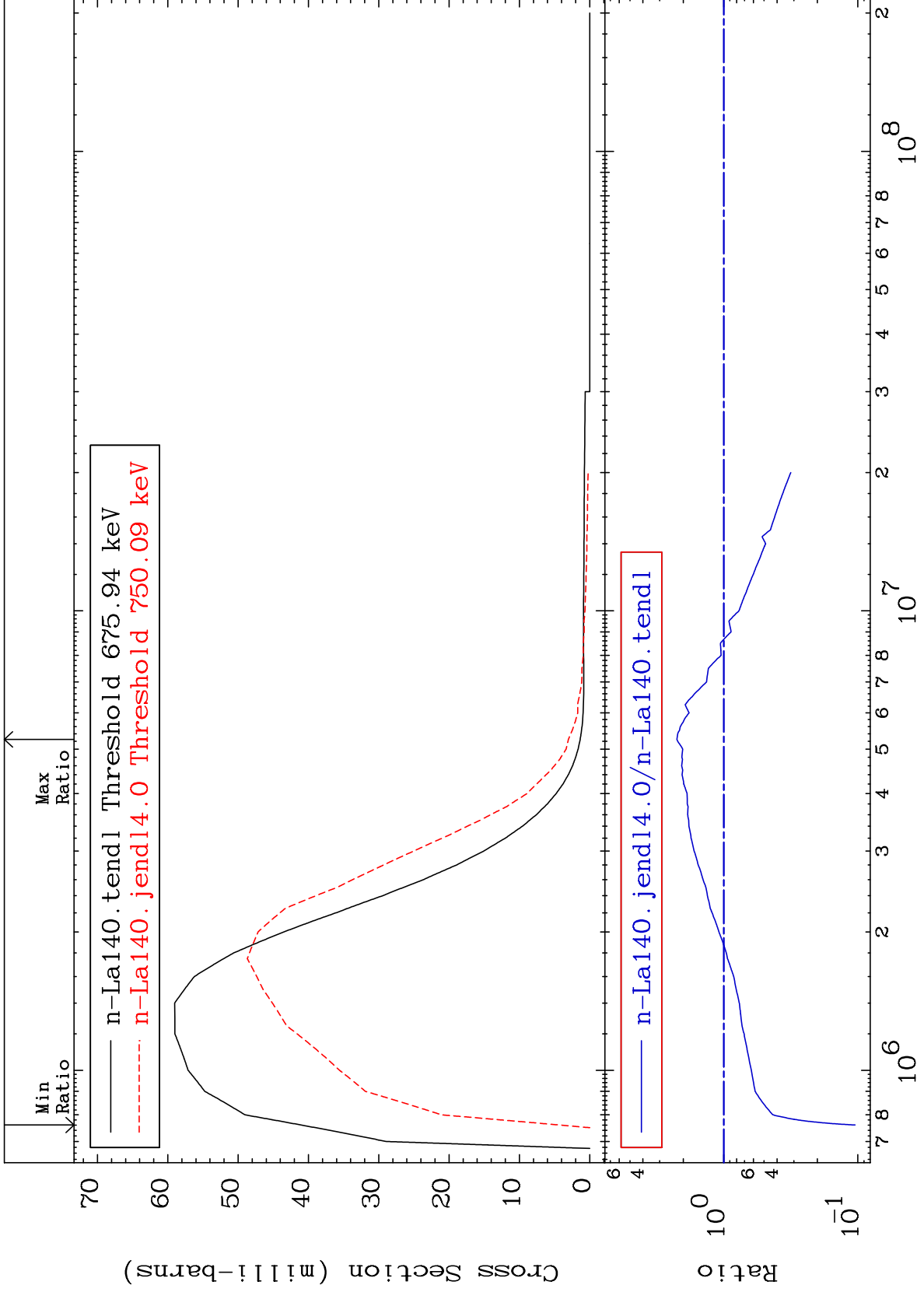
28

57-La-140

MAT 5731

MT= 71 (n,n') Level
Cross Section

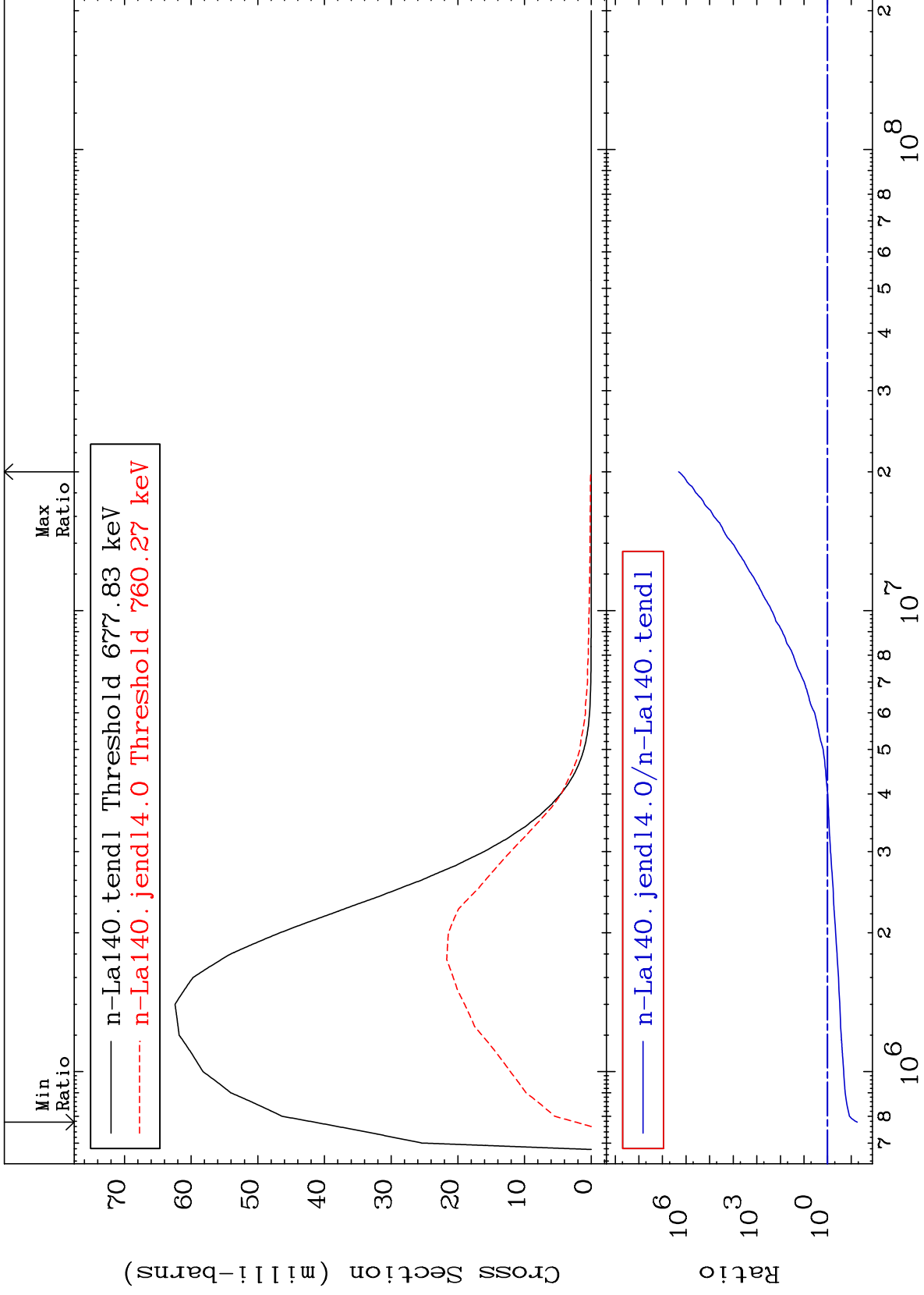
57-La-140
-89.52 To 123.1 %



MAT 5731

MT= 72 (n,n') Level
Cross Section

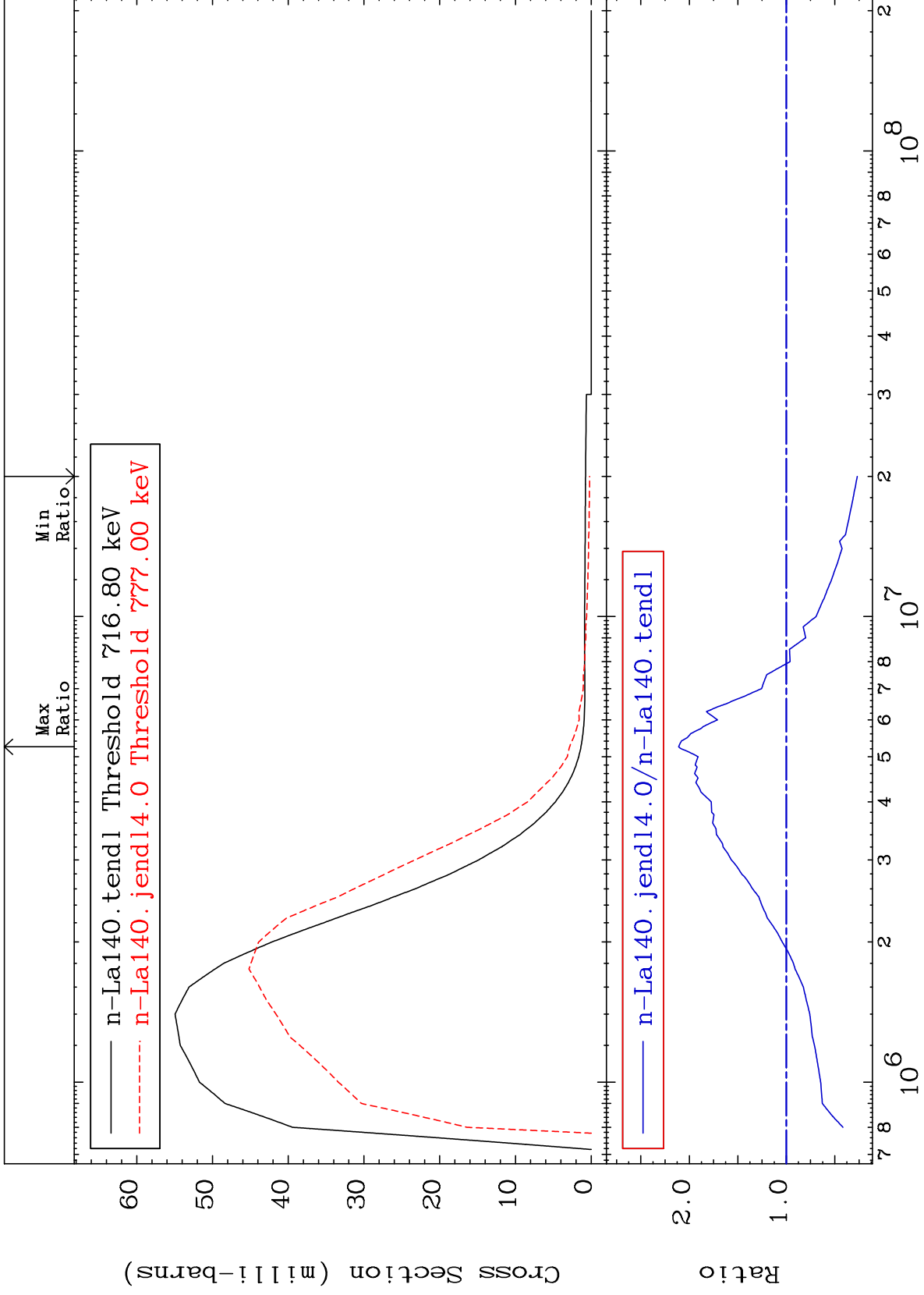
57-La-140
-94.46 To 9999. %



MAT 5731

MT= 73 (n,n') Level
Cross Section

57-La-140
-73.17 To 111.0 %



31

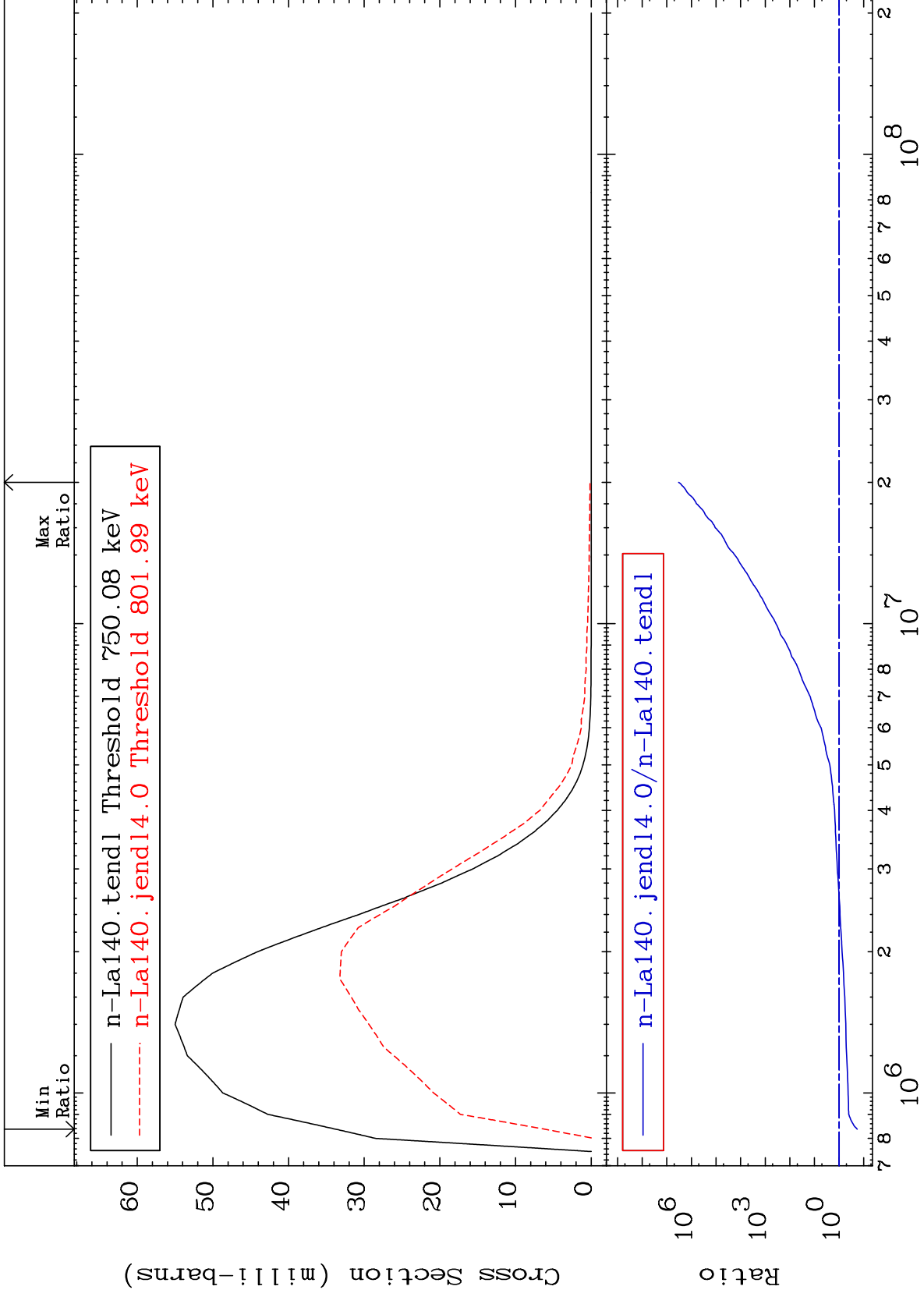
Incident Energy (eV)

57-La-140

MAT 5731

MT= 74 (n,n') Level
Cross Section

57-La-140
-81.77 To 9999. %



32

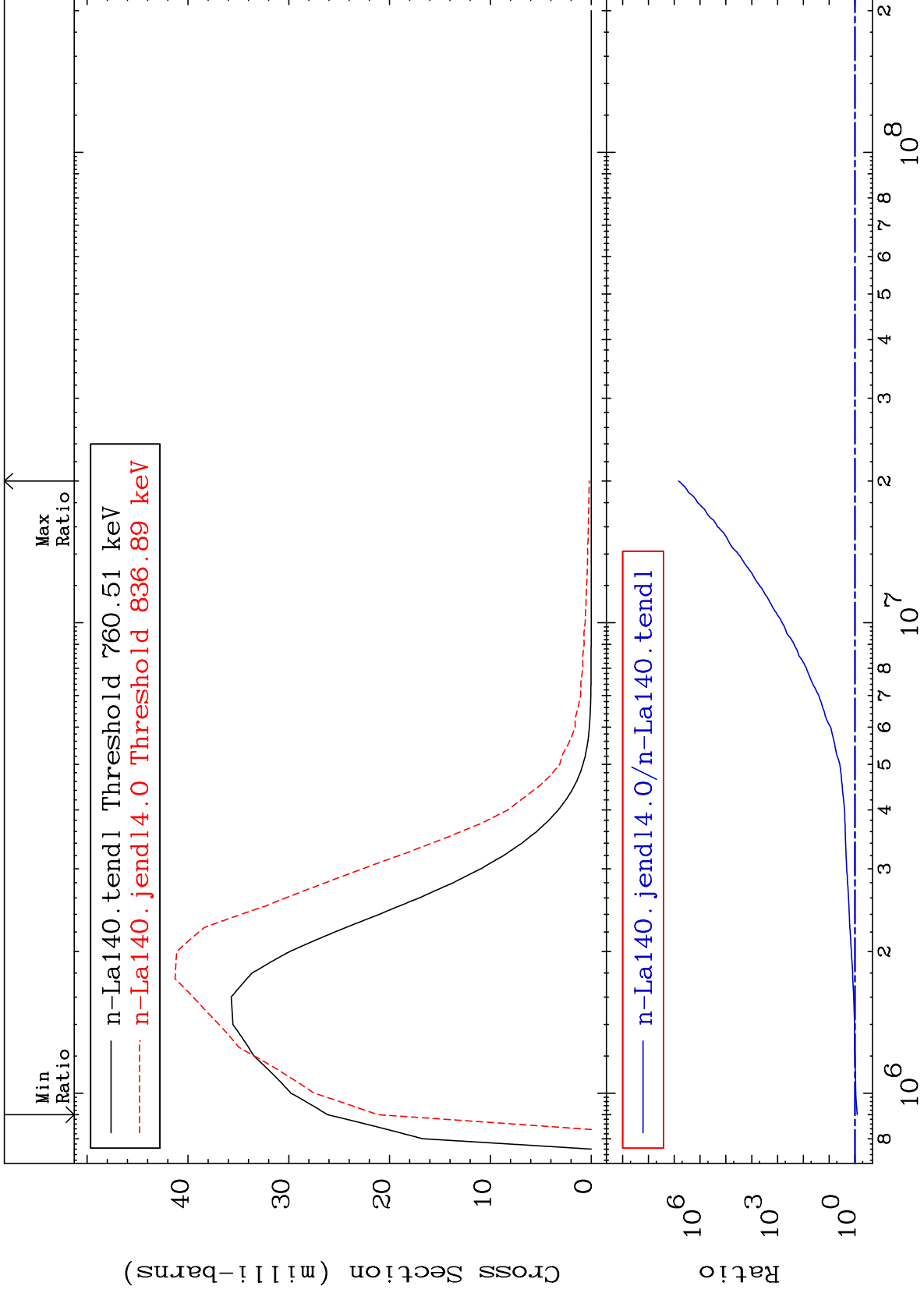
Incident Energy (eV)

57-La-140

MAT 5731

MT= 75 (n,n') Level
Cross Section

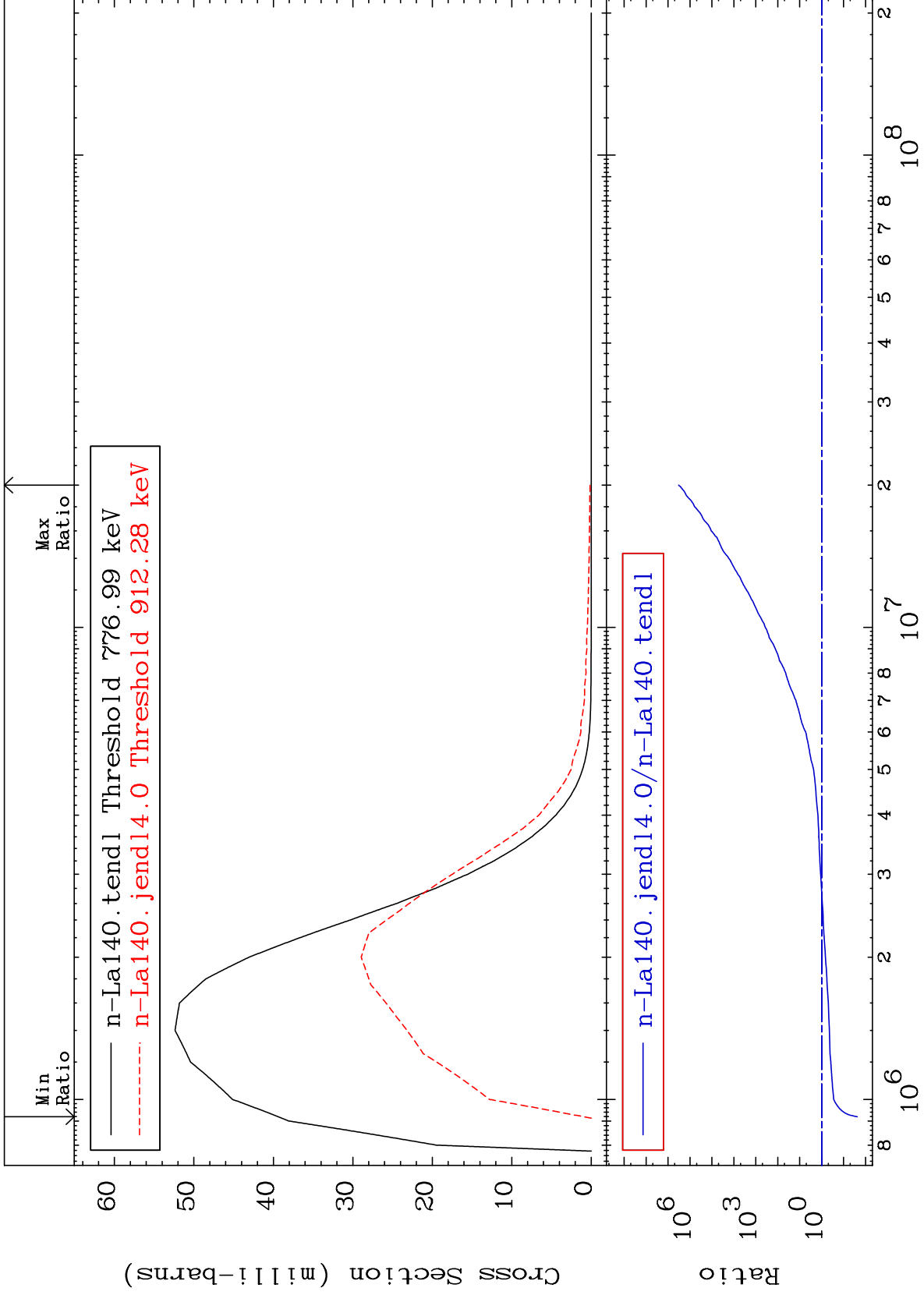
57-La-140
-19.02 To 9999. %



MAT 5731

MT= 76 (n,n') Level
Cross Section

57-La-140
-97.61 To 9999. %



34

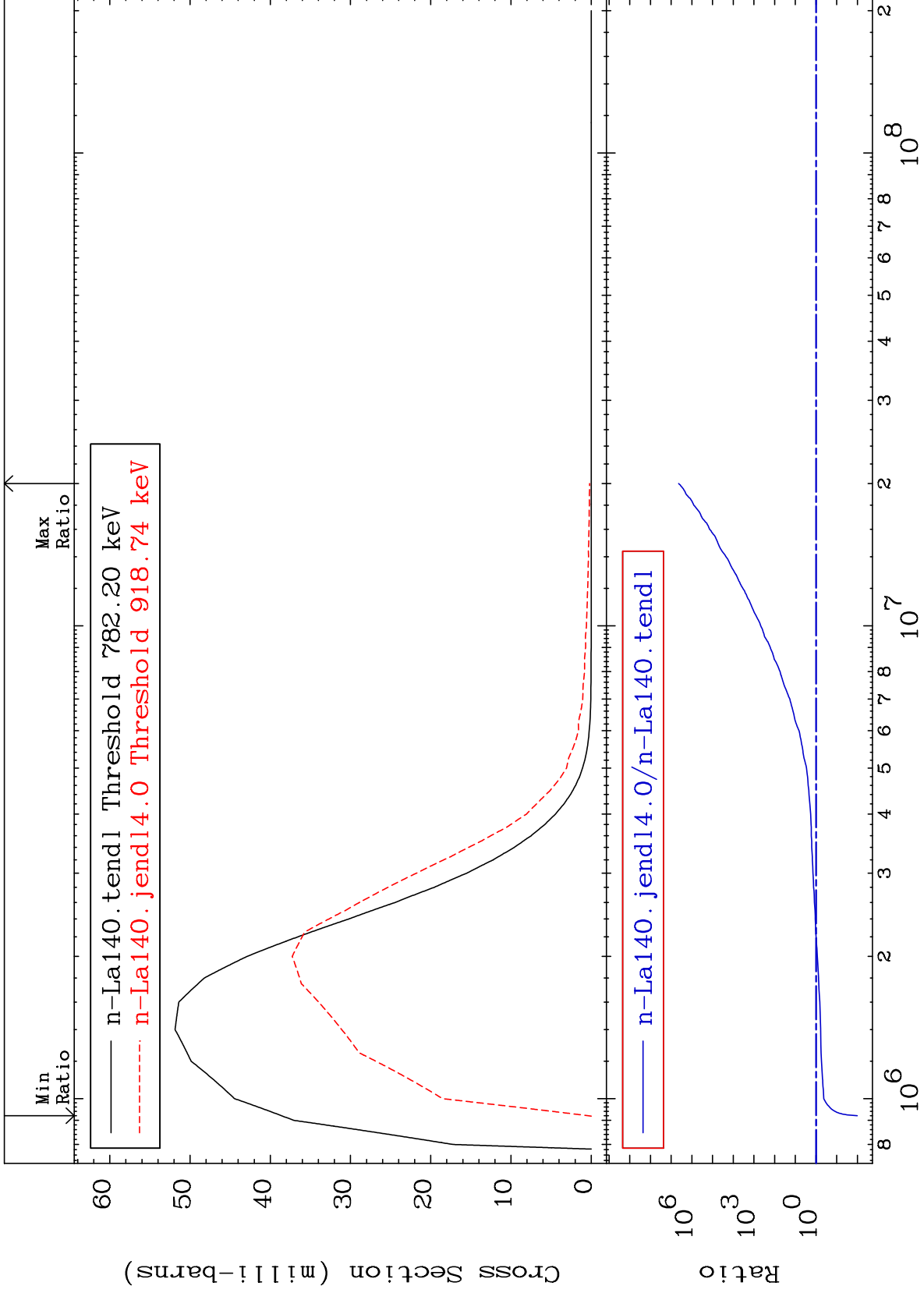
Incident Energy (eV)

57-La-140

MAT 5731

MT= 77 (n,n') Level
Cross Section

57-La-140
-98.99 To 9999. %



35

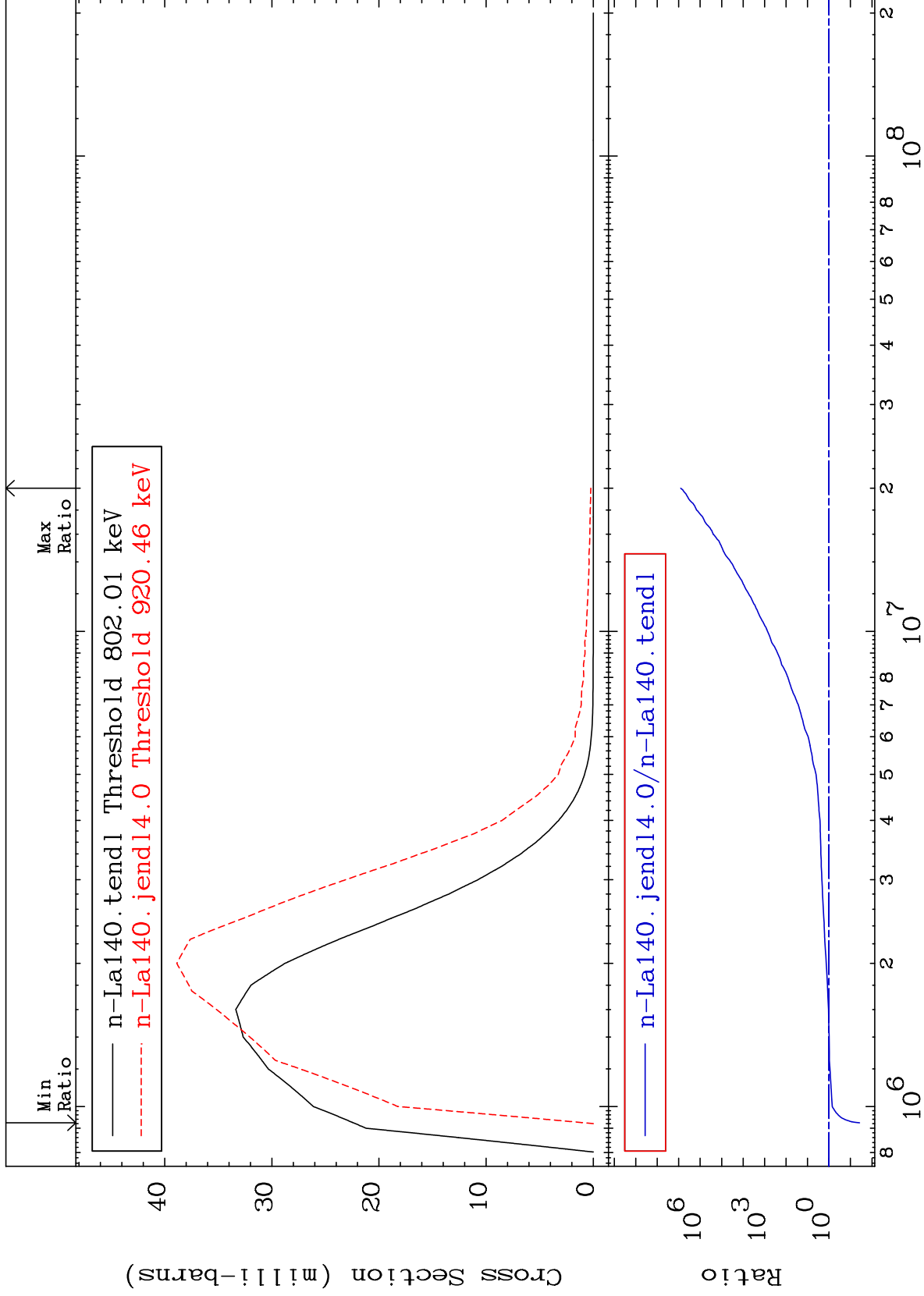
Incident Energy (eV)

57-La-140

MAT 5731

MT= 78 (n,n') Level
Cross Section

57-La-140
-96.22 To 9999. %



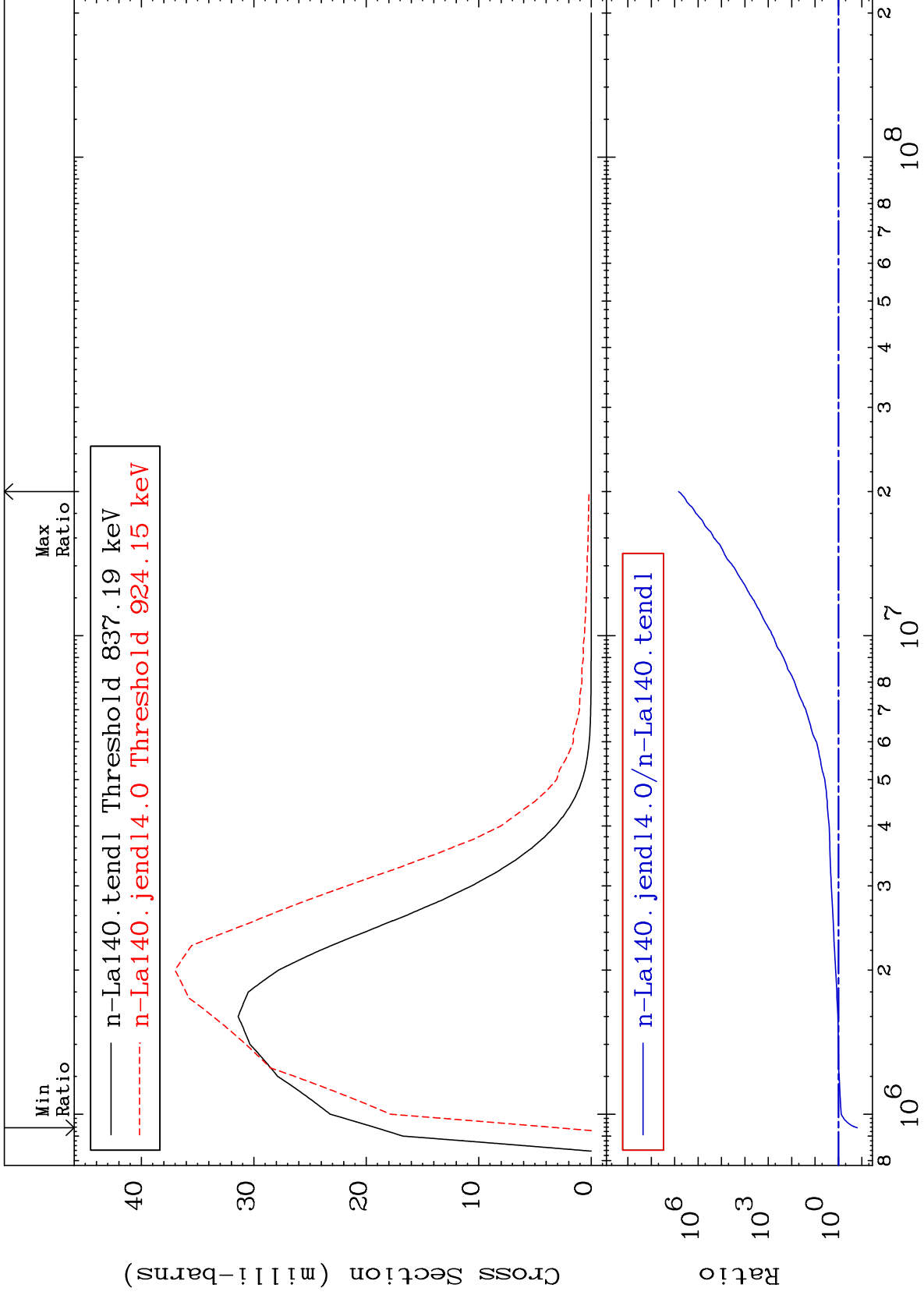
36

57-La-140

MAT 5731

MT= 79 (n,n') Level
Cross Section

57-La-140
-84.18 To 9999. %



37

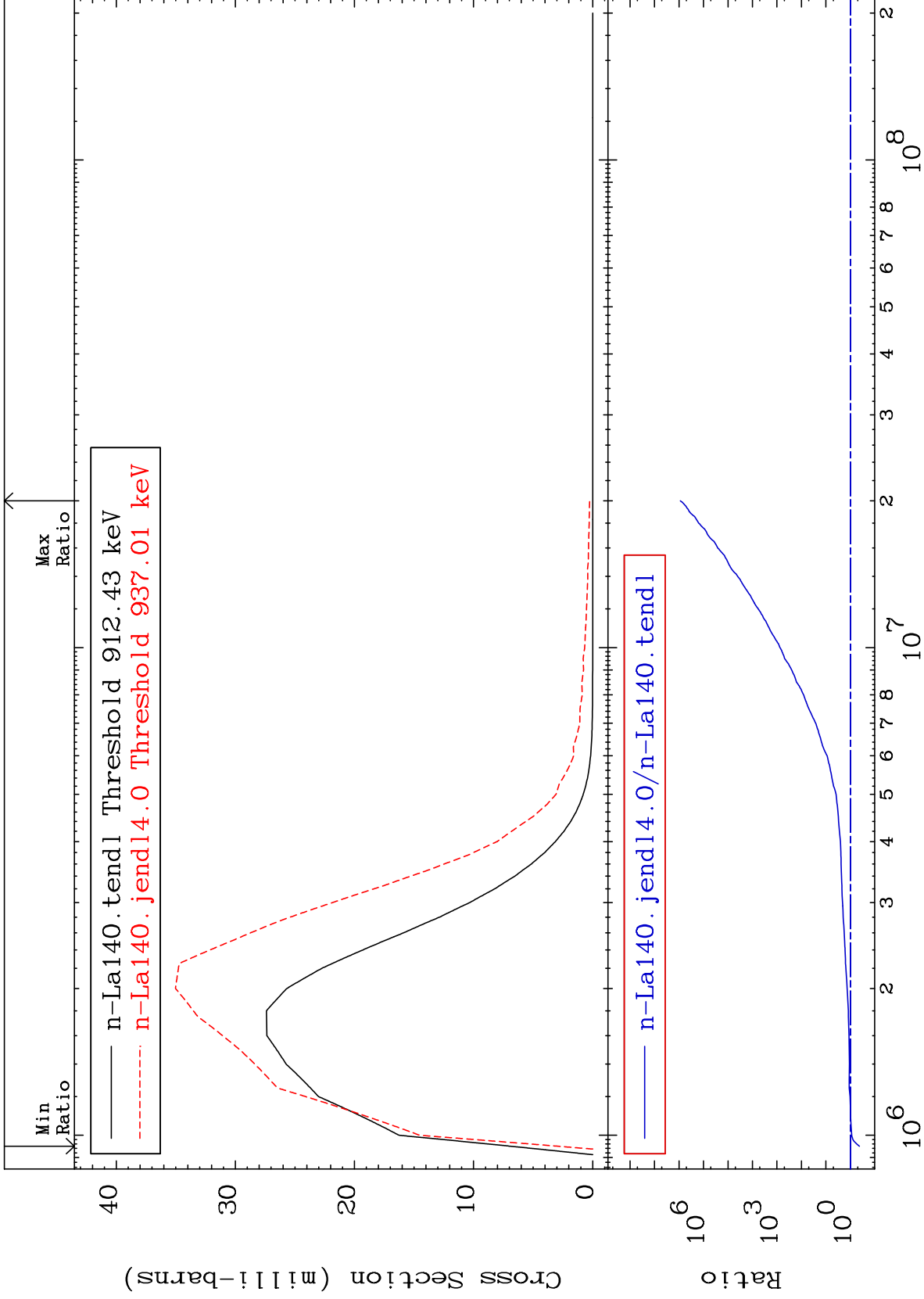
Incident Energy (eV)

57-La-140

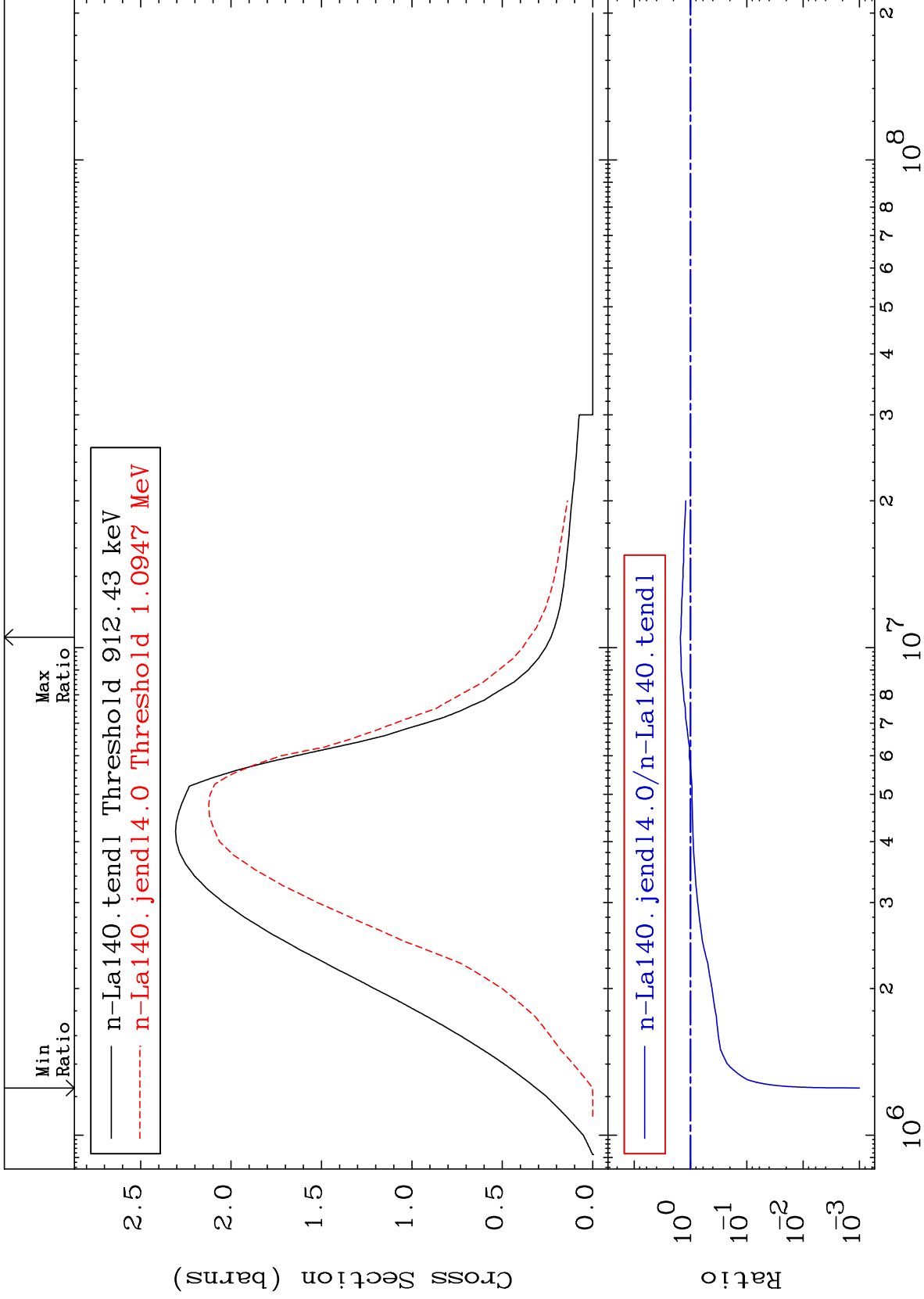
MAT 5731

MT= 80 (n,n') Level
Cross Section

57-La-140
-57.04 To 9999. %

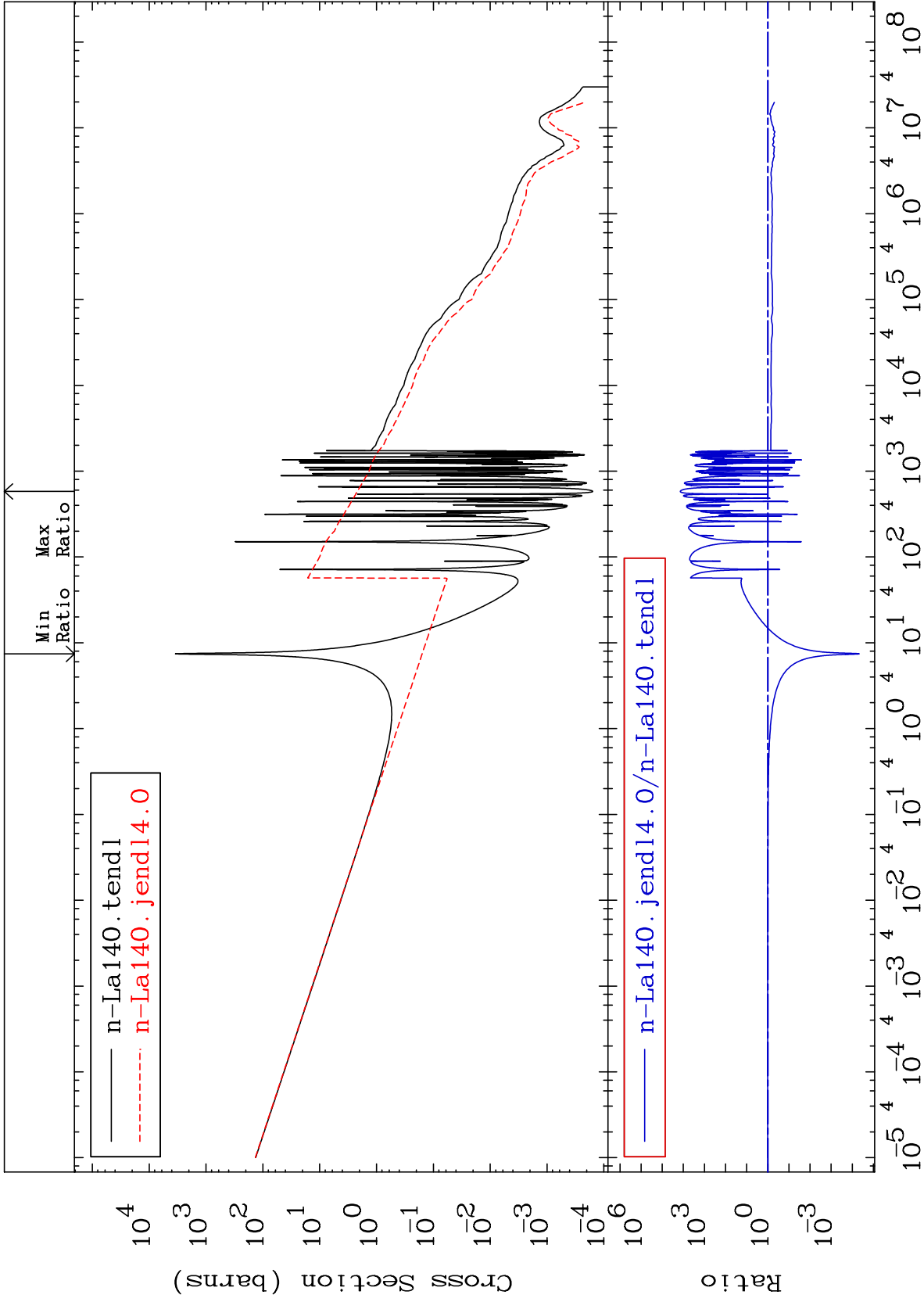


38



MAT 5731

(n, γ)
Cross Section
57-La-140
-100.0 To 9999. %

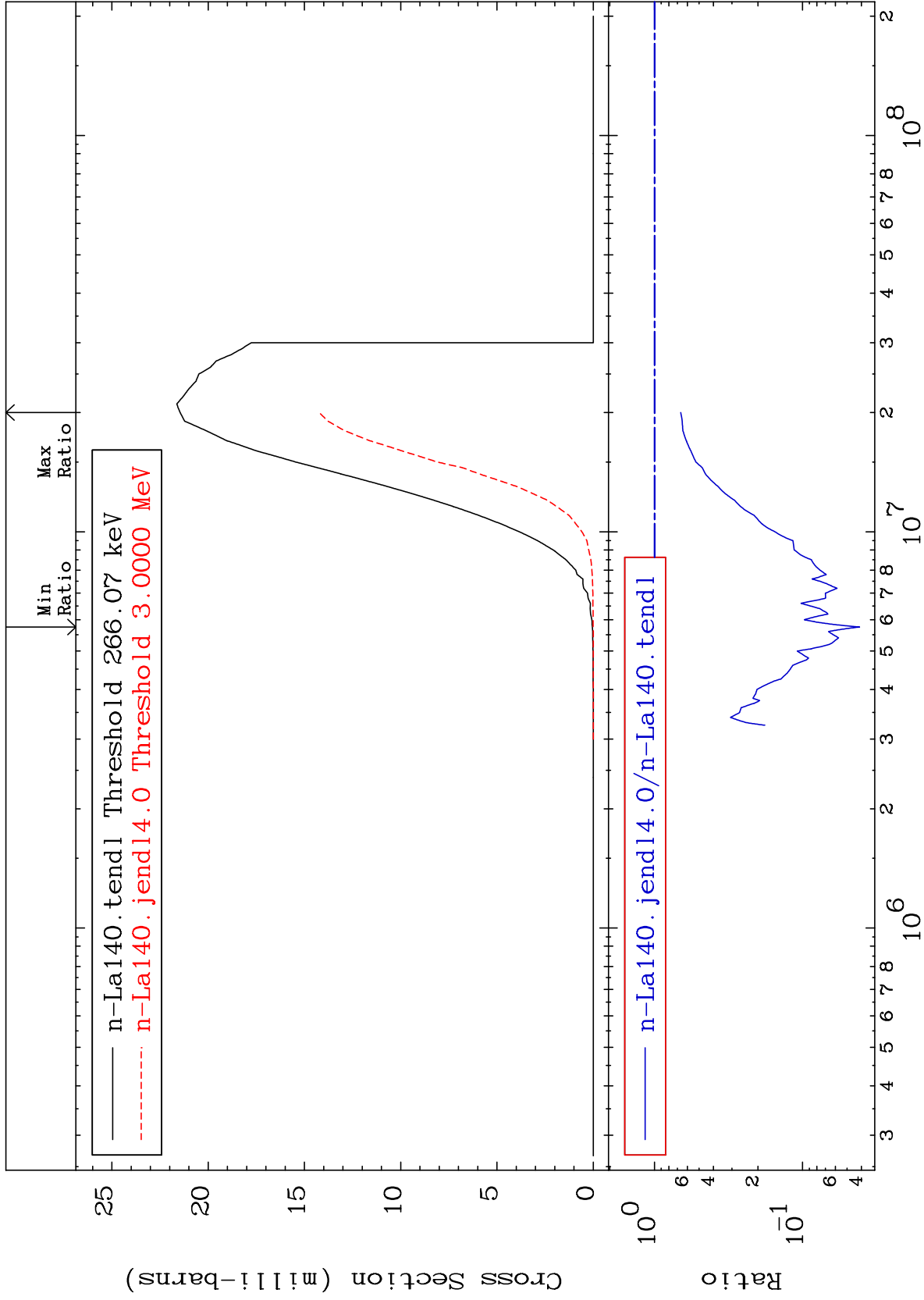


MAT 5731

57-La-140

-95.88 To -33.60%

(n,p)
Cross Section



41

Incident Energy (eV)

57-La-140

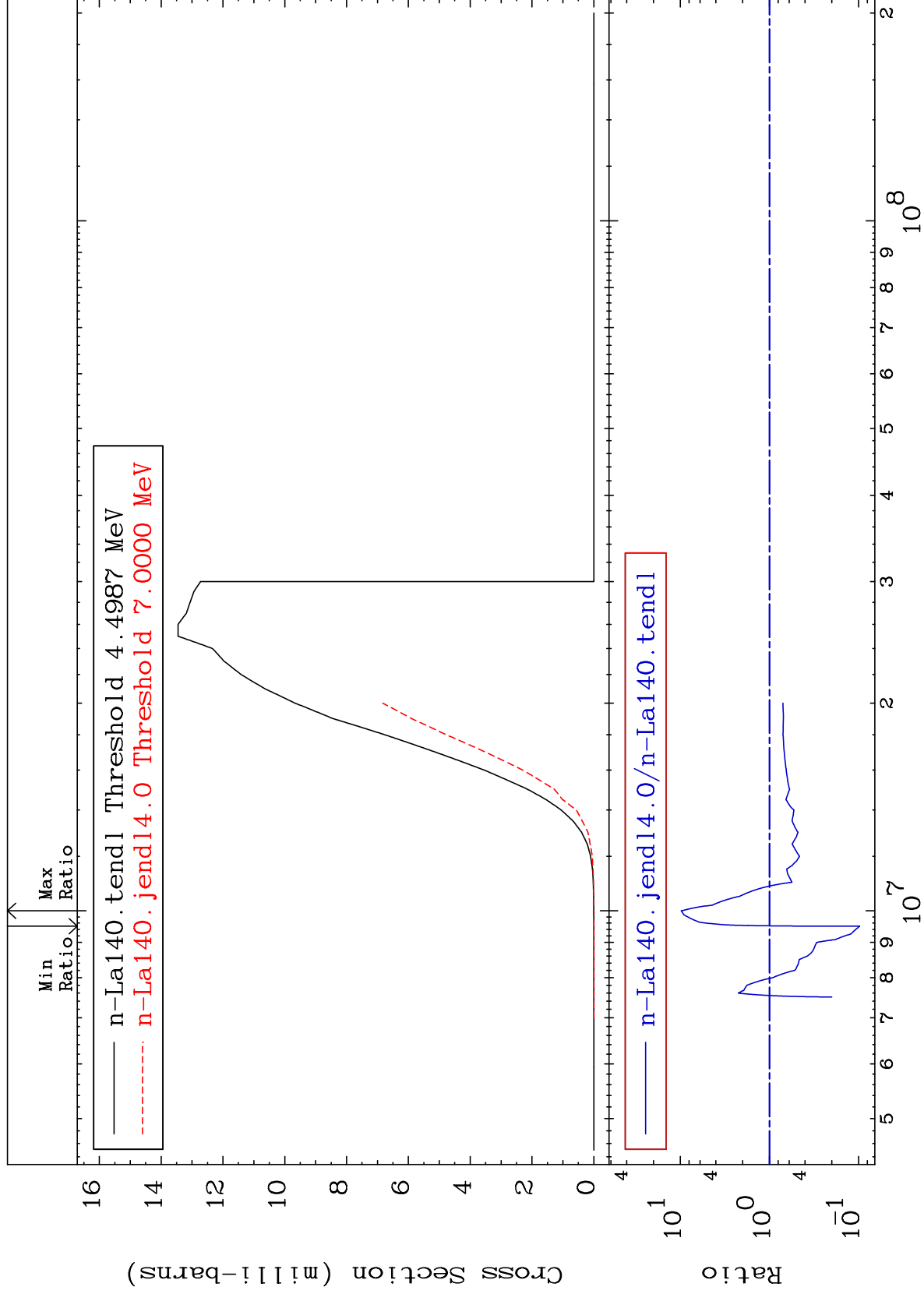
MAT 5731

(n, d)

57-La-140

Cross Section

-90.25 To 878.6 %



42

Incident Energy (eV)

57-La-140

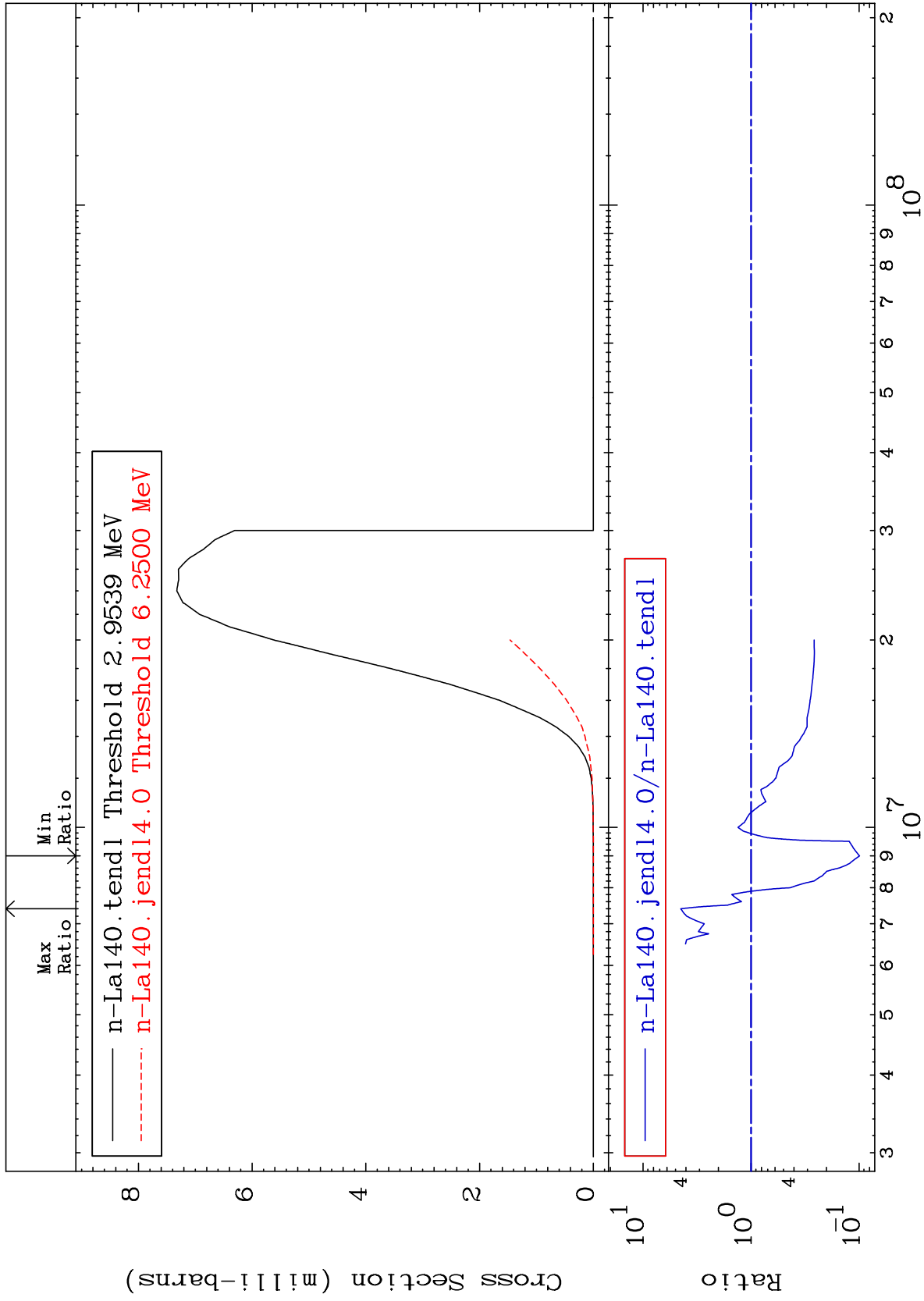
MAT 5731

(n, t)

57-La-140

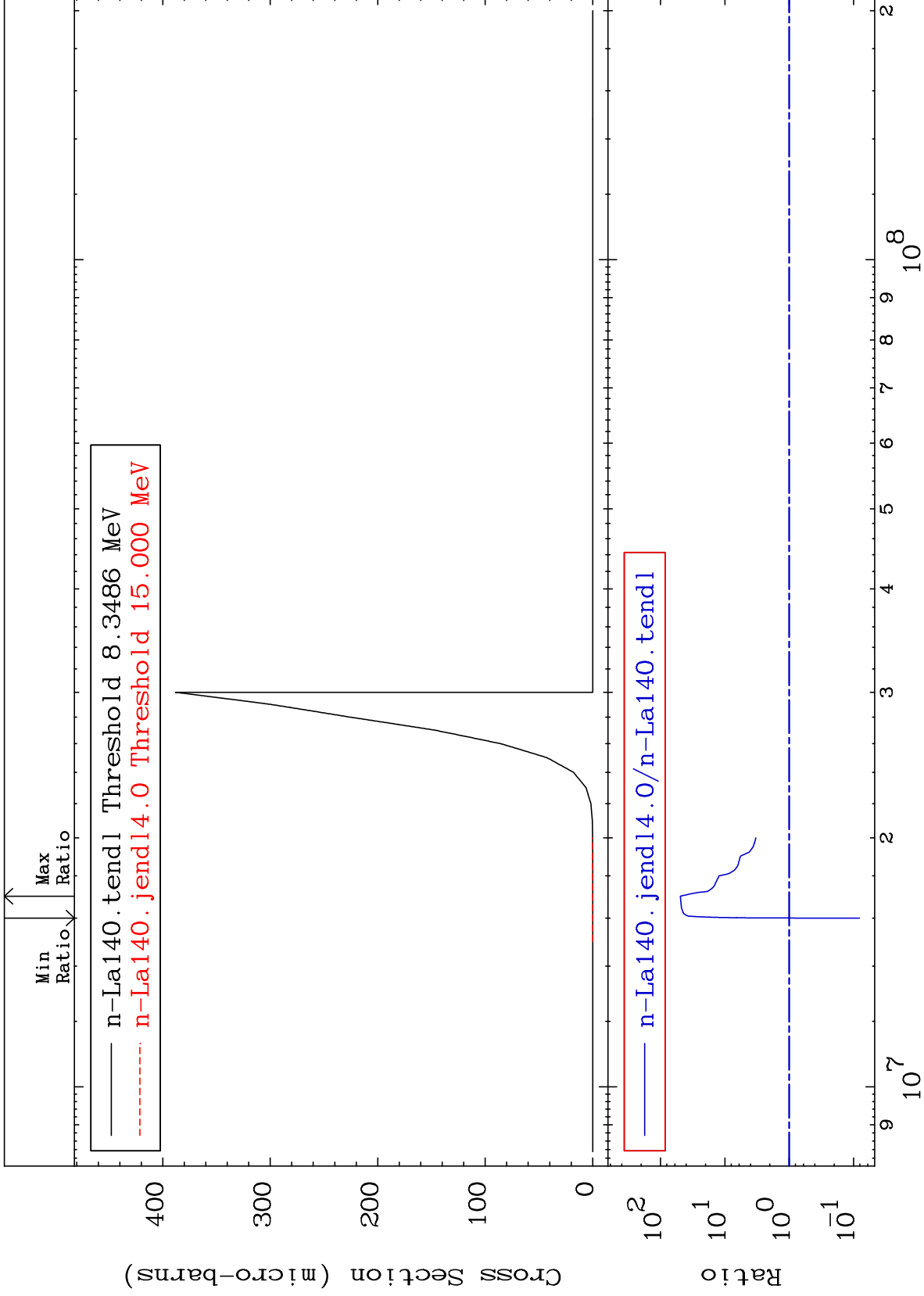
Cross Section

-90.11 To 346.7 %



Cross Section

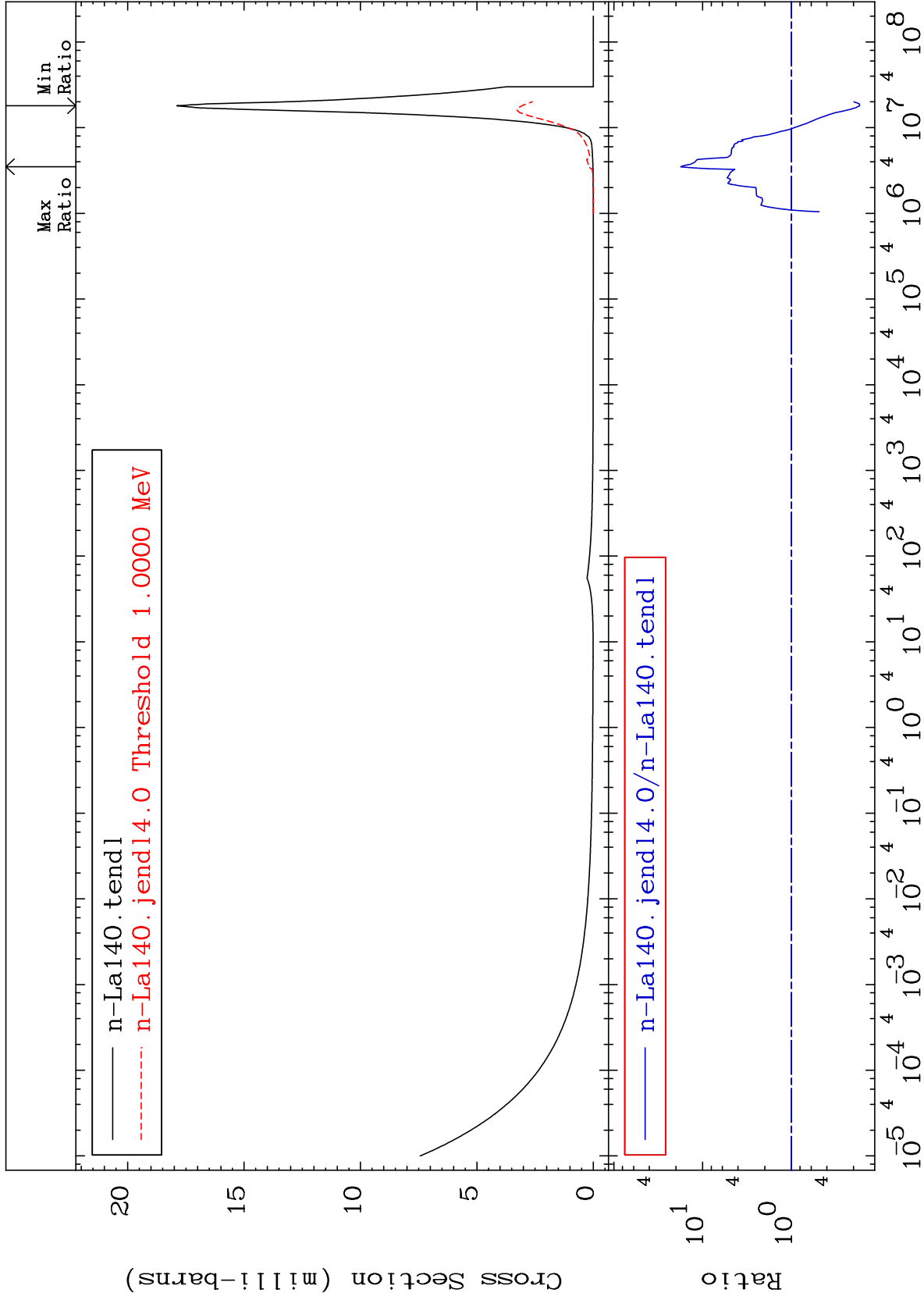
-91.89 To 4818. %



MAT 5731

(n, α)
Cross Section

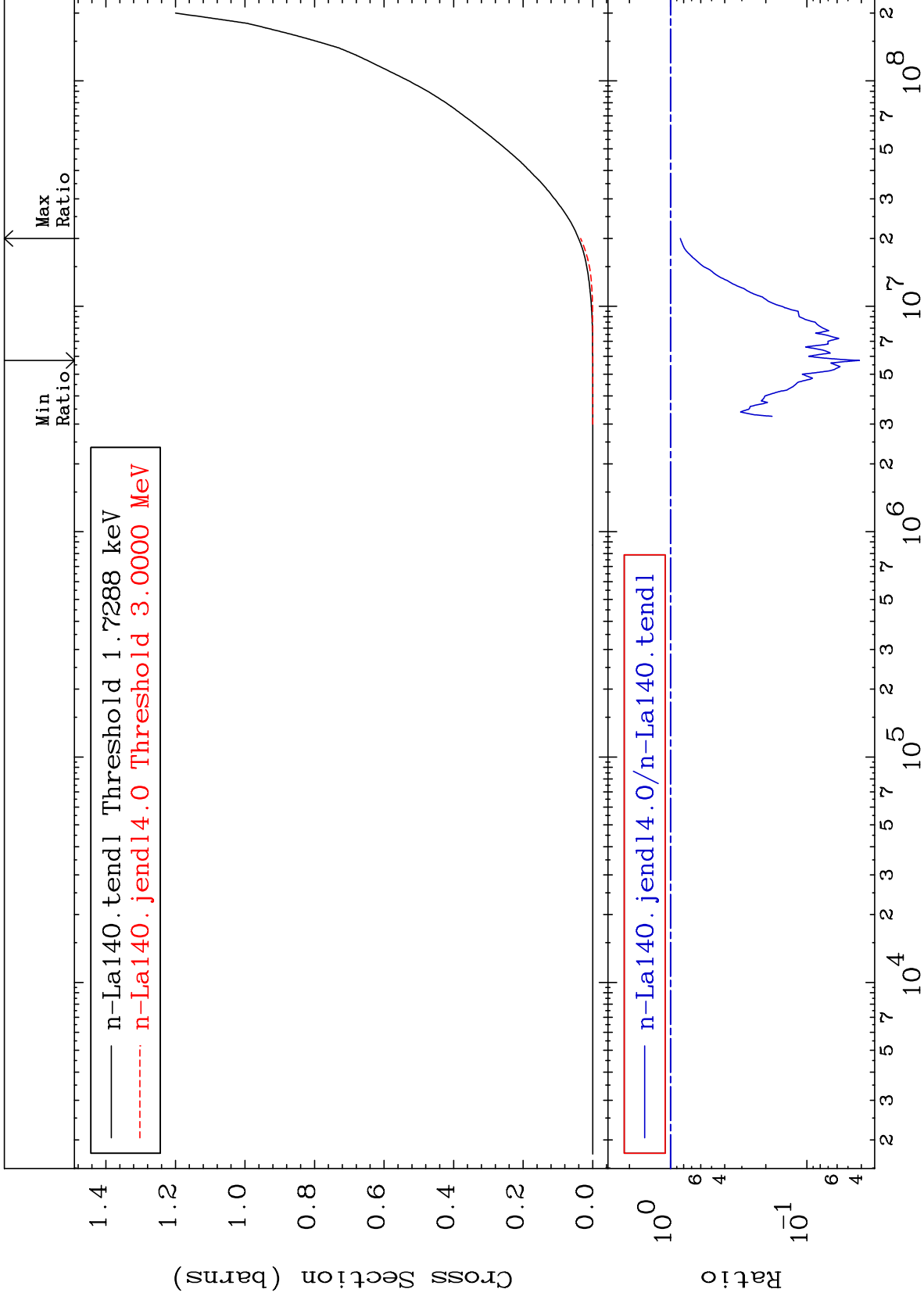
57-La-140
-82.87 To 1665. %



45

Incident Energy (eV)

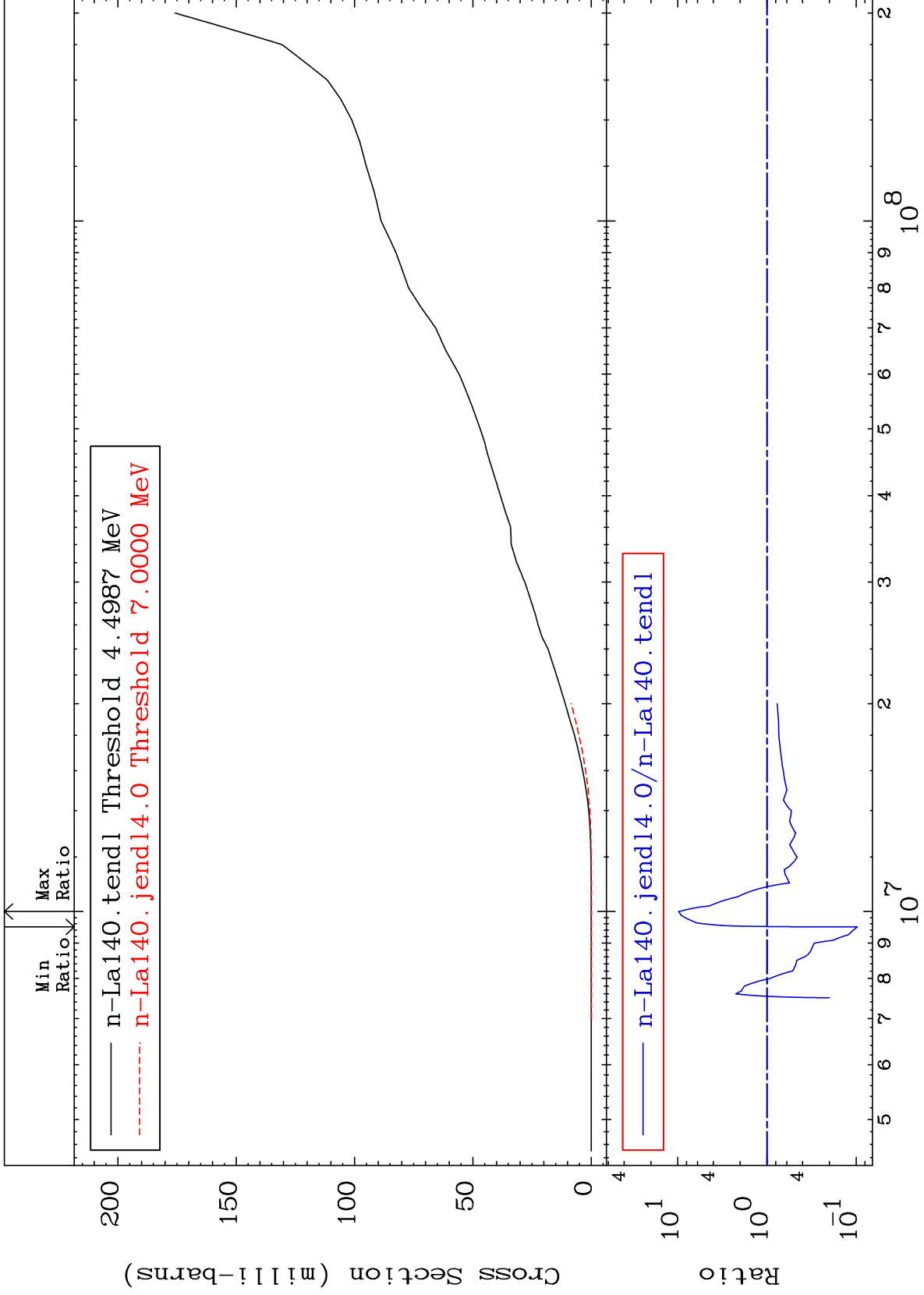
57-La-140



MAT 5731

Deuterium Production
Cross Section

57-La-140
-90.25 To 878.6 %



47

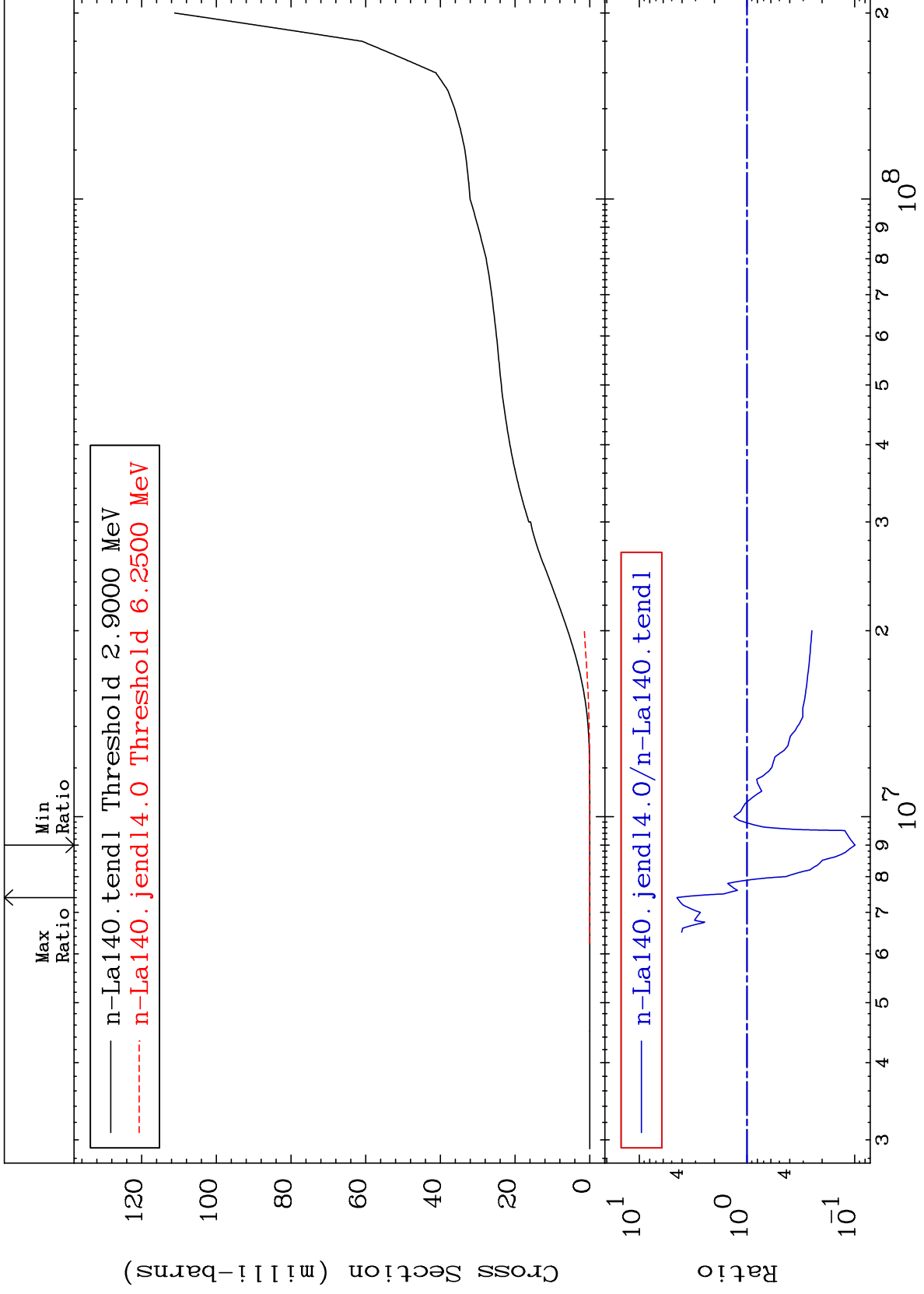
Incident Energy (eV)

57-La-140

MAT 5731

Tritium Production
Cross Section

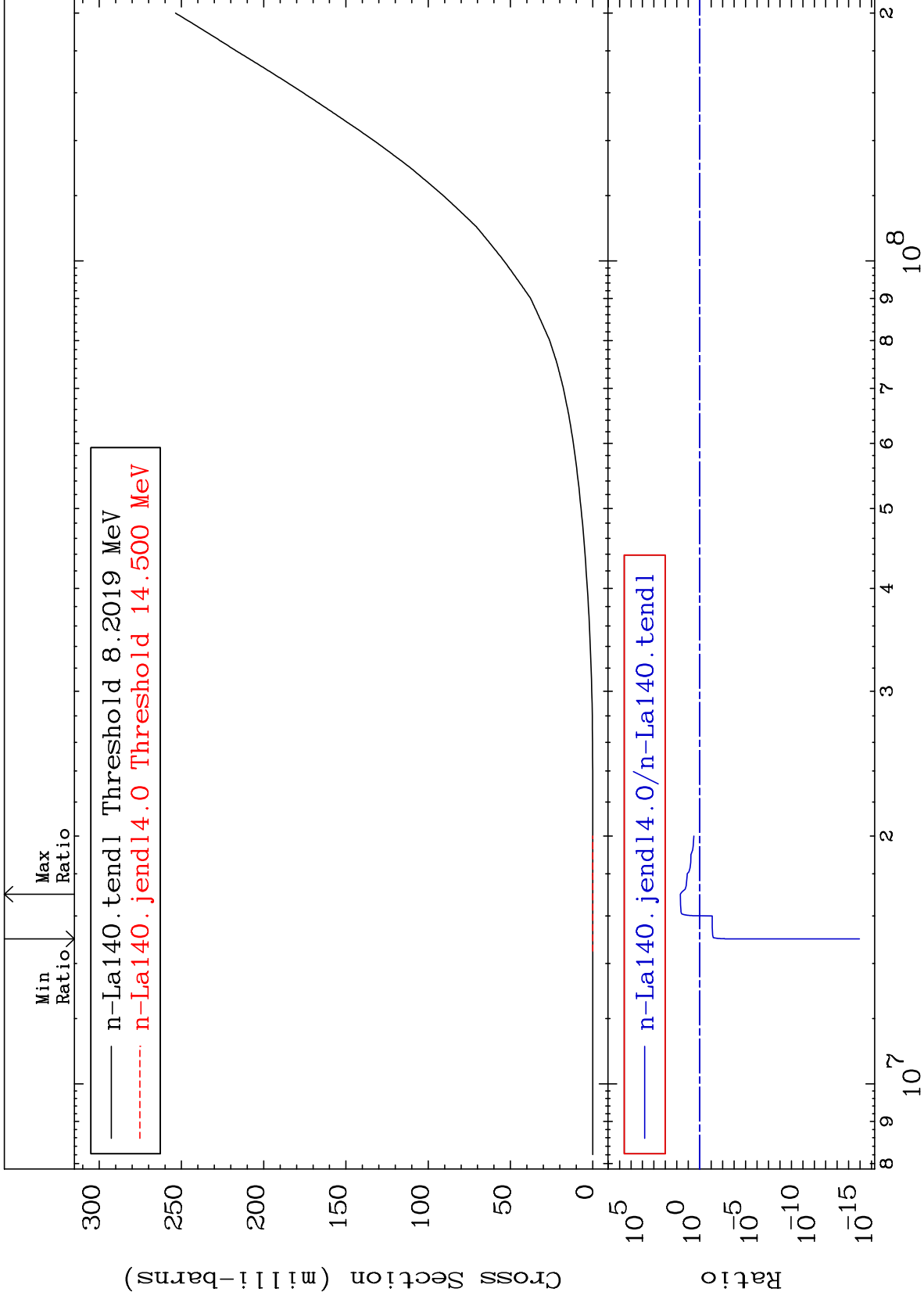
57-La-140
-90.11 To 346.7 %



MAT 5731

He-3 Production
Cross Section

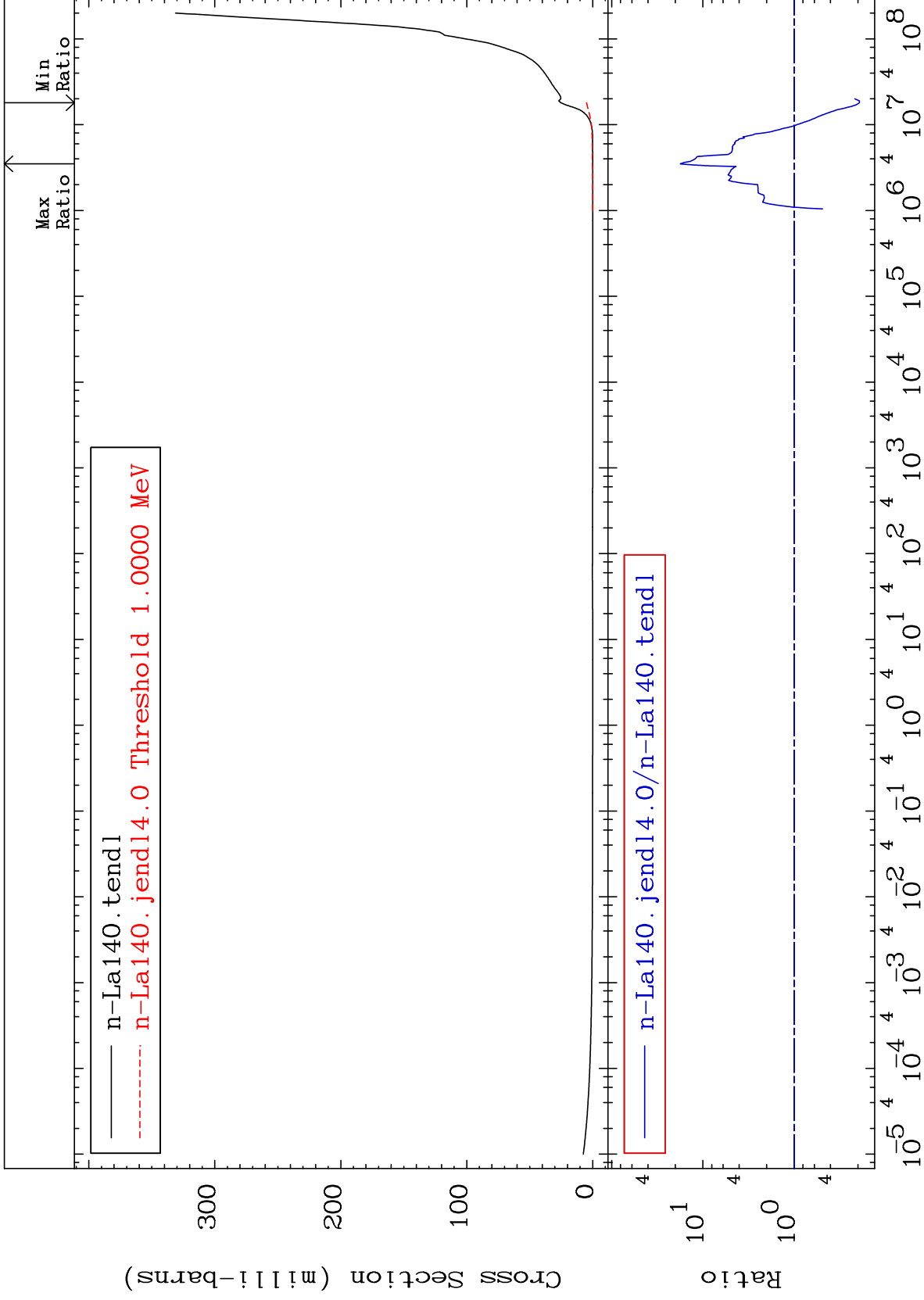
57-La-140
-100.0 To 4818. %



MAT 5731

He-4 Production
Cross Section

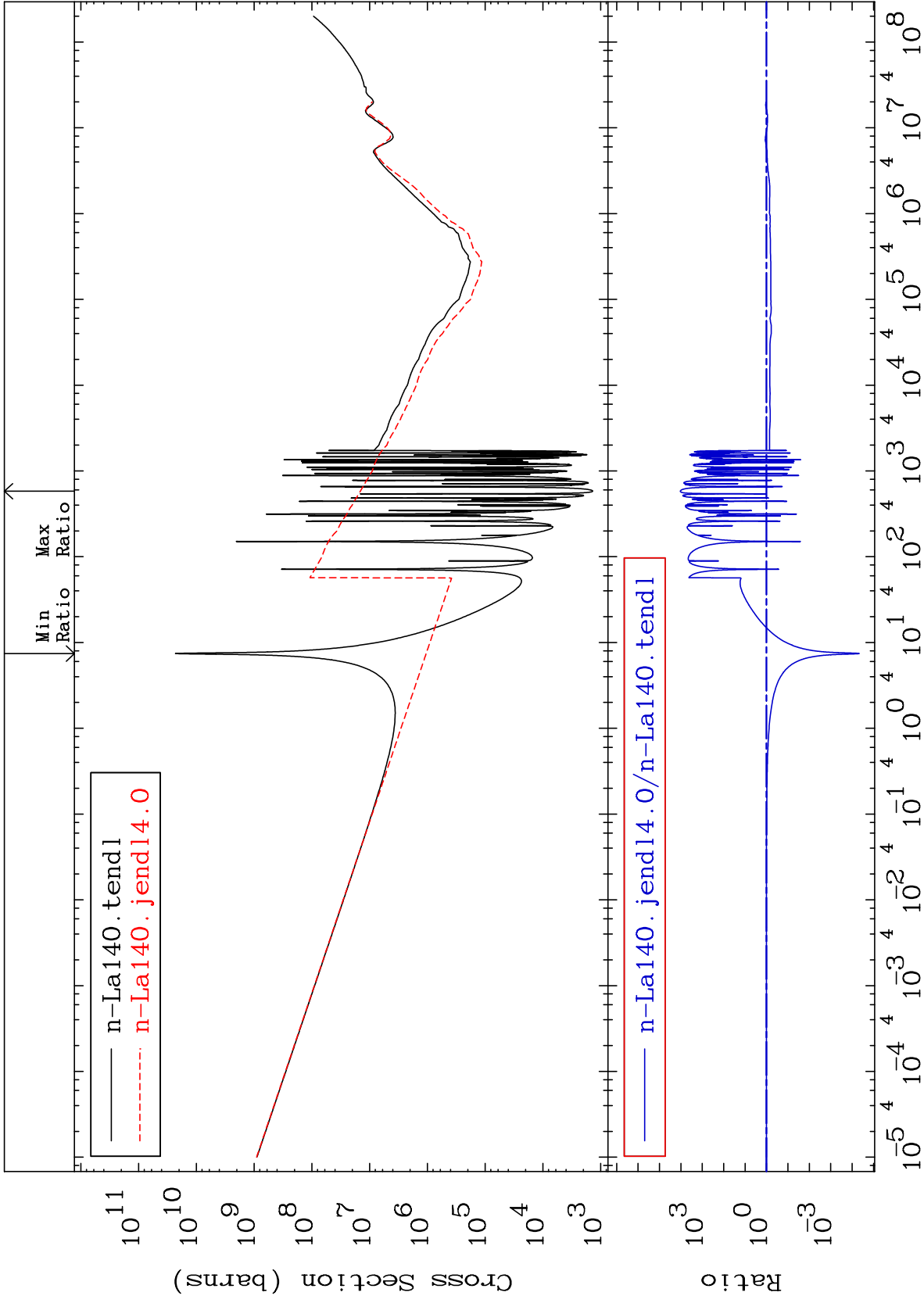
57-La-140
-80.74 To 1665. %



50

Incident Energy (eV)

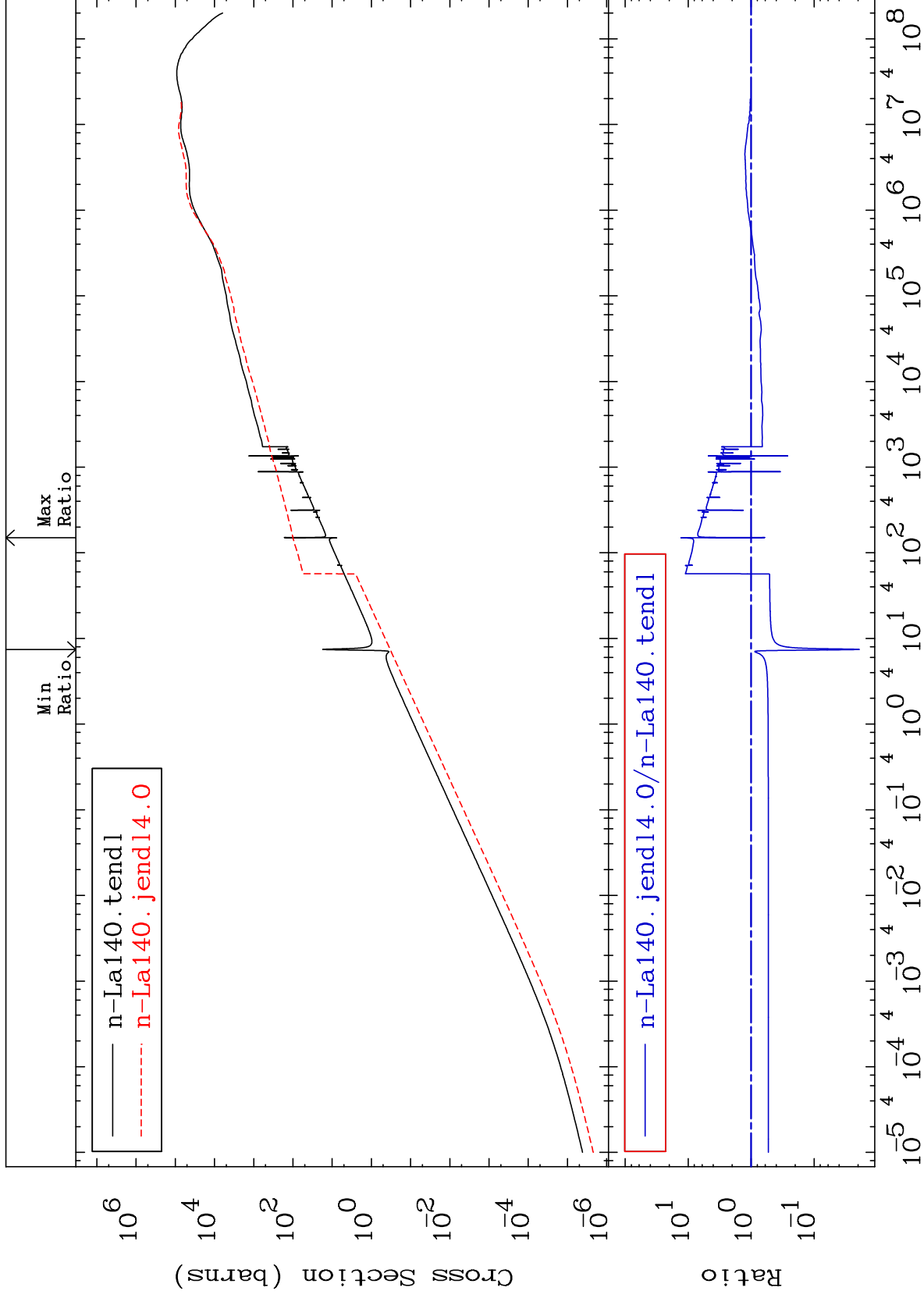
57-La-140



MAT 5731

Kerma elastic
Cross Section

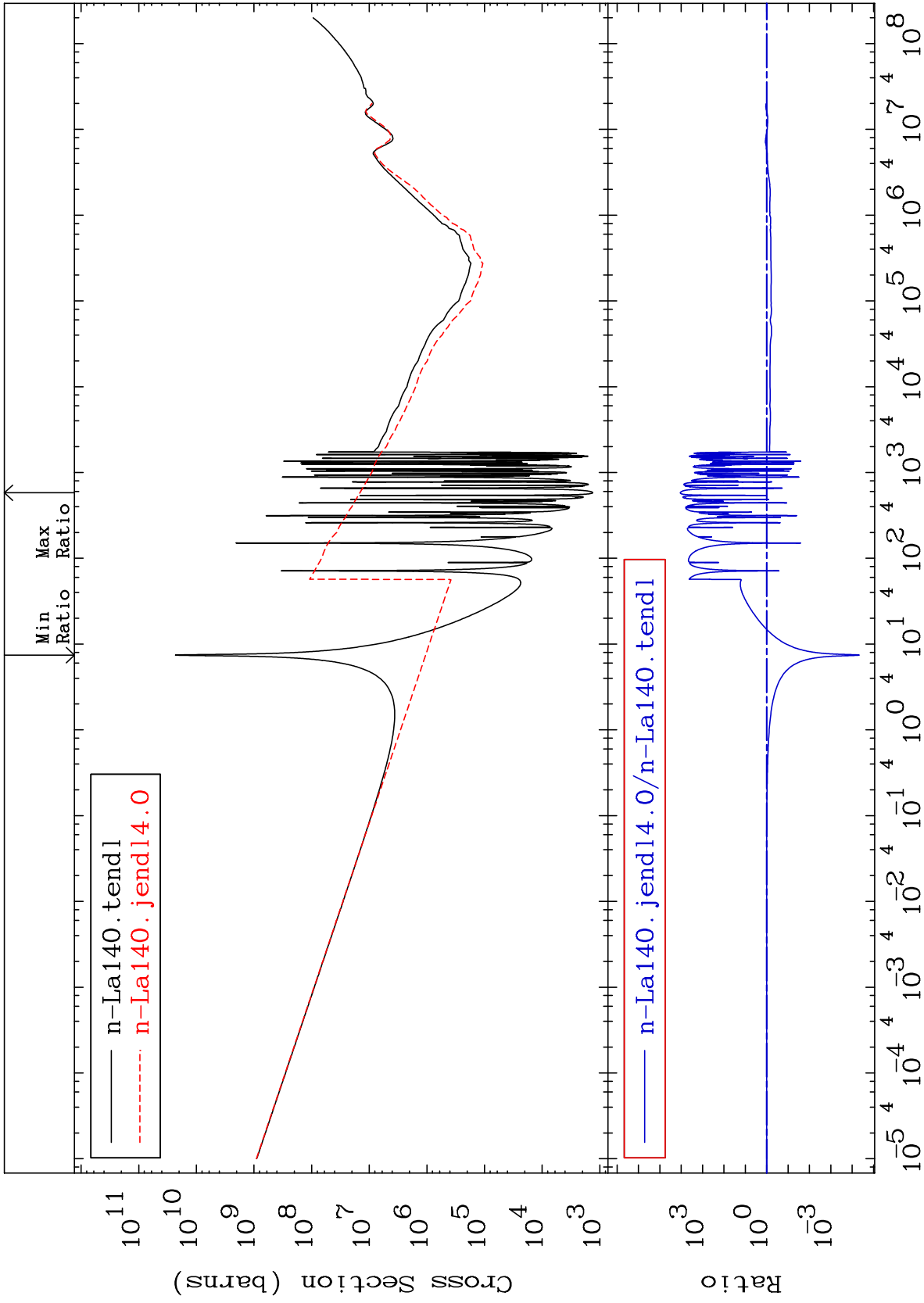
57-La-140
-98.10 To 1212. %

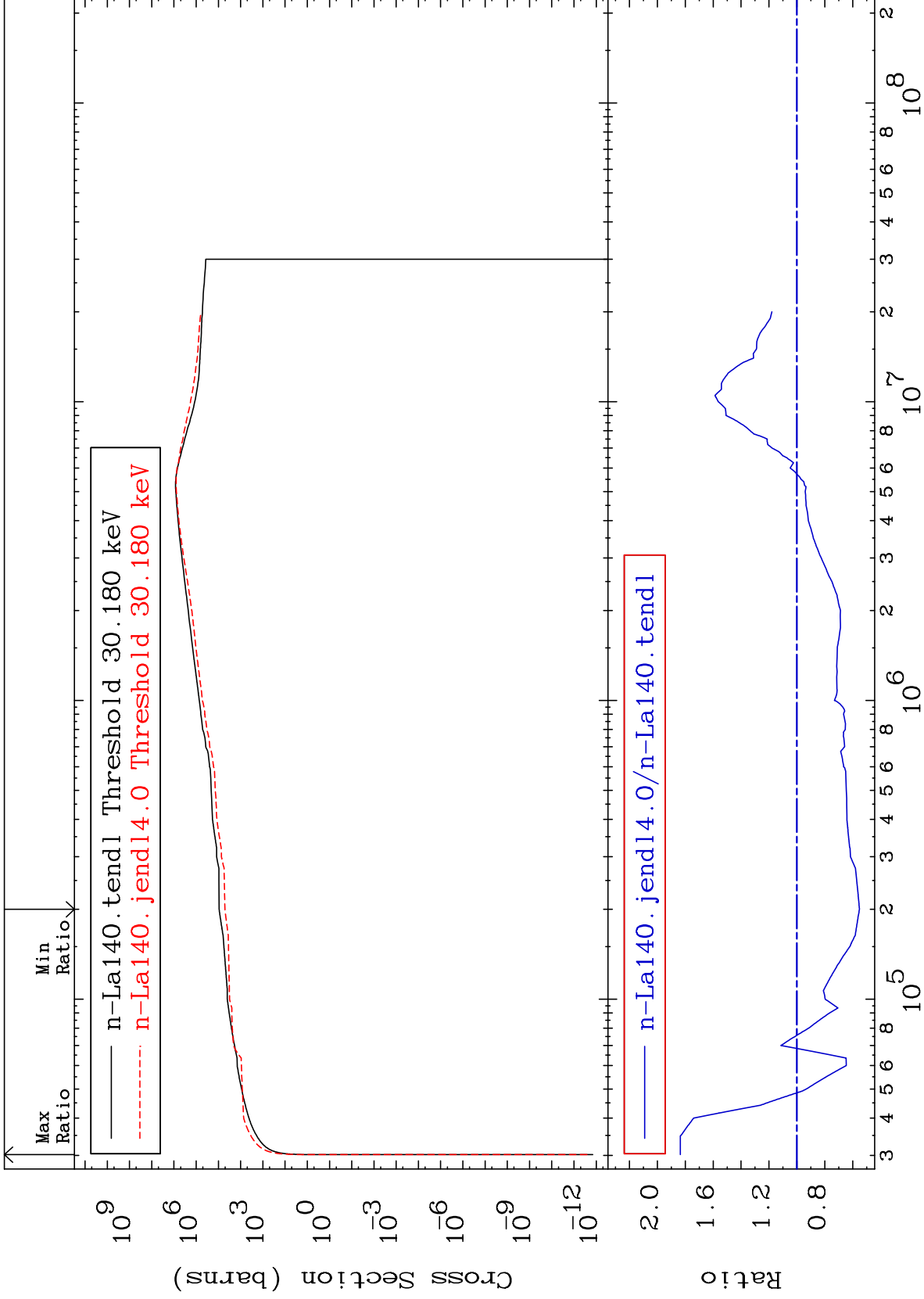


52

Incident Energy (eV)

57-La-140

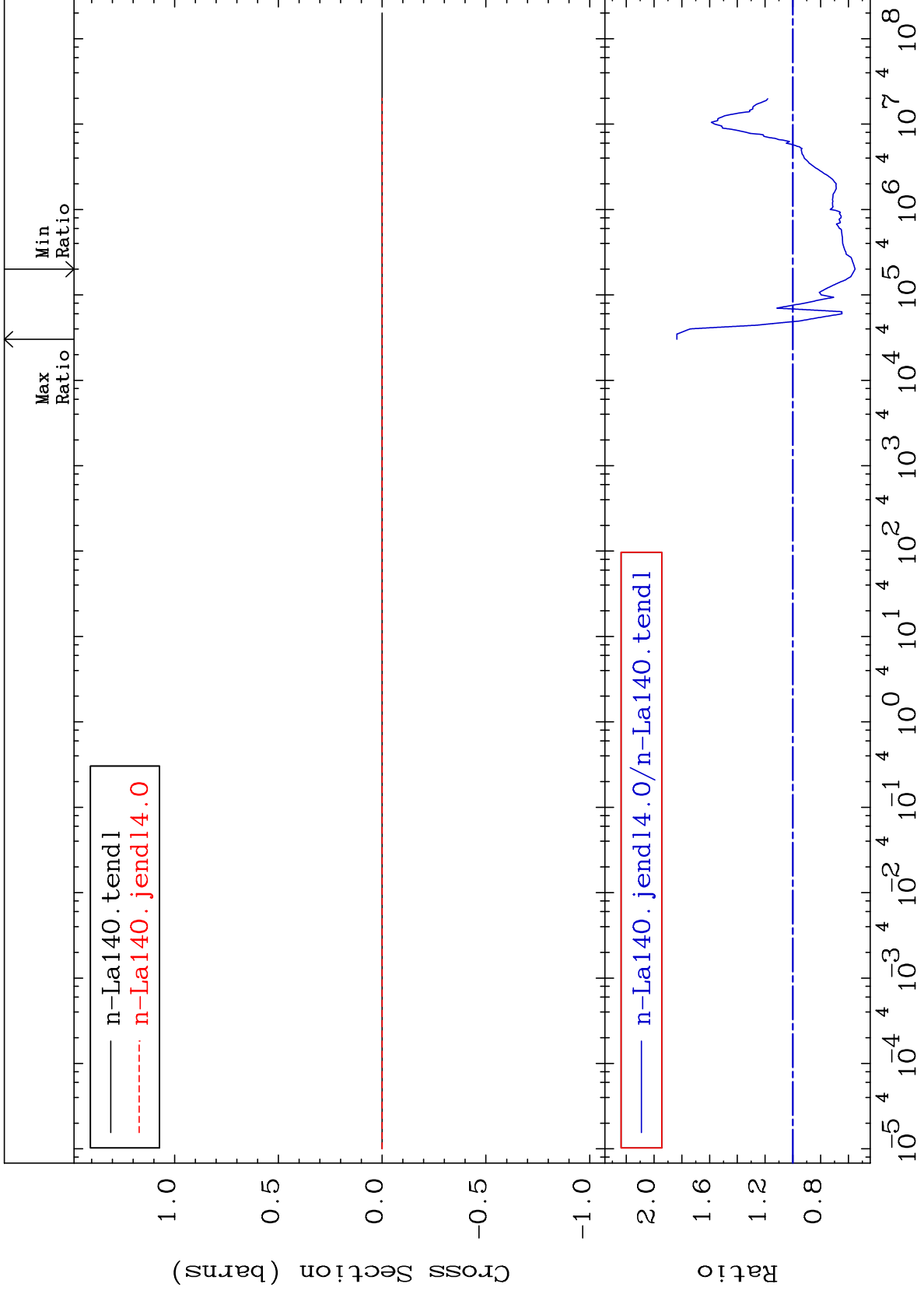


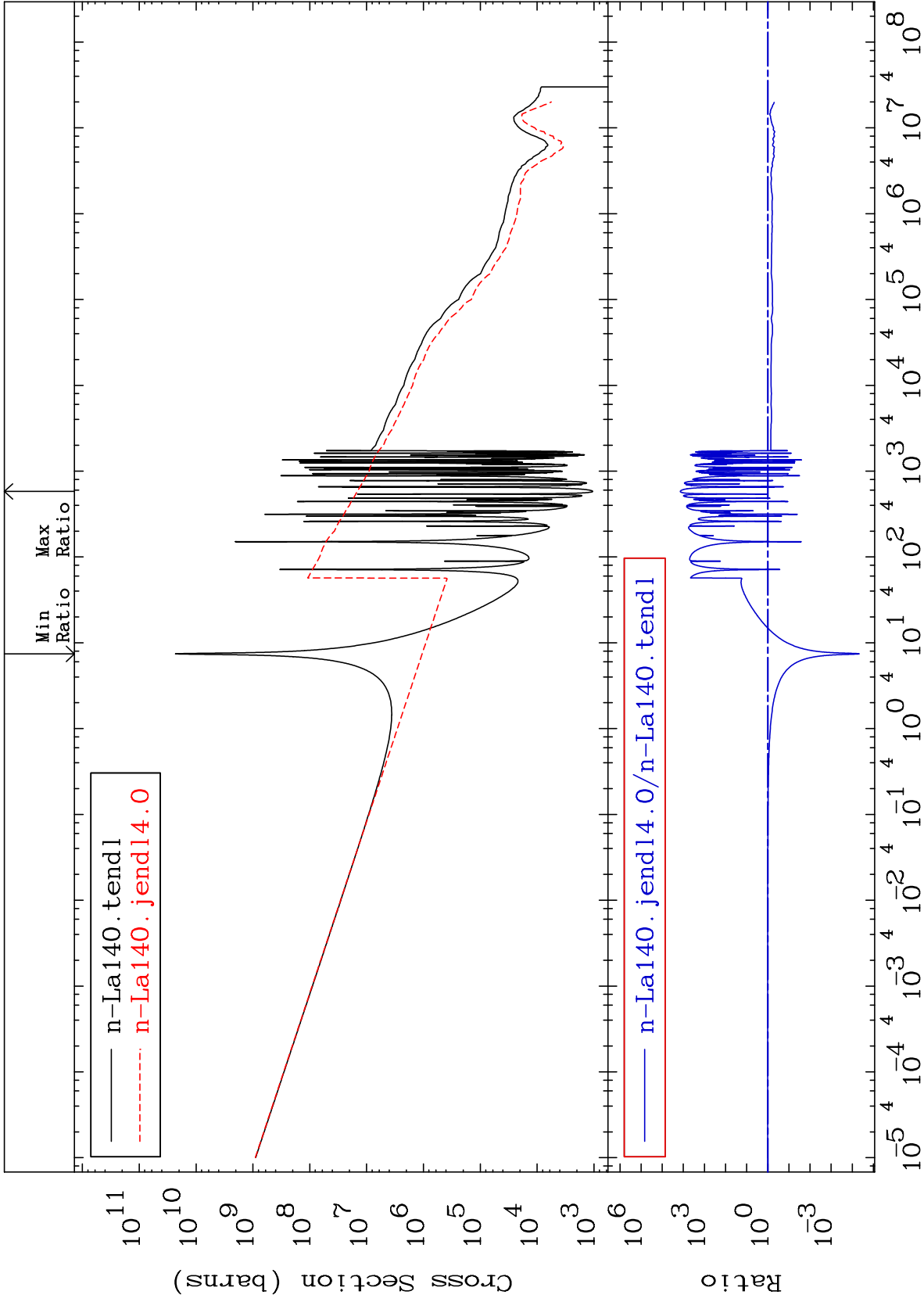


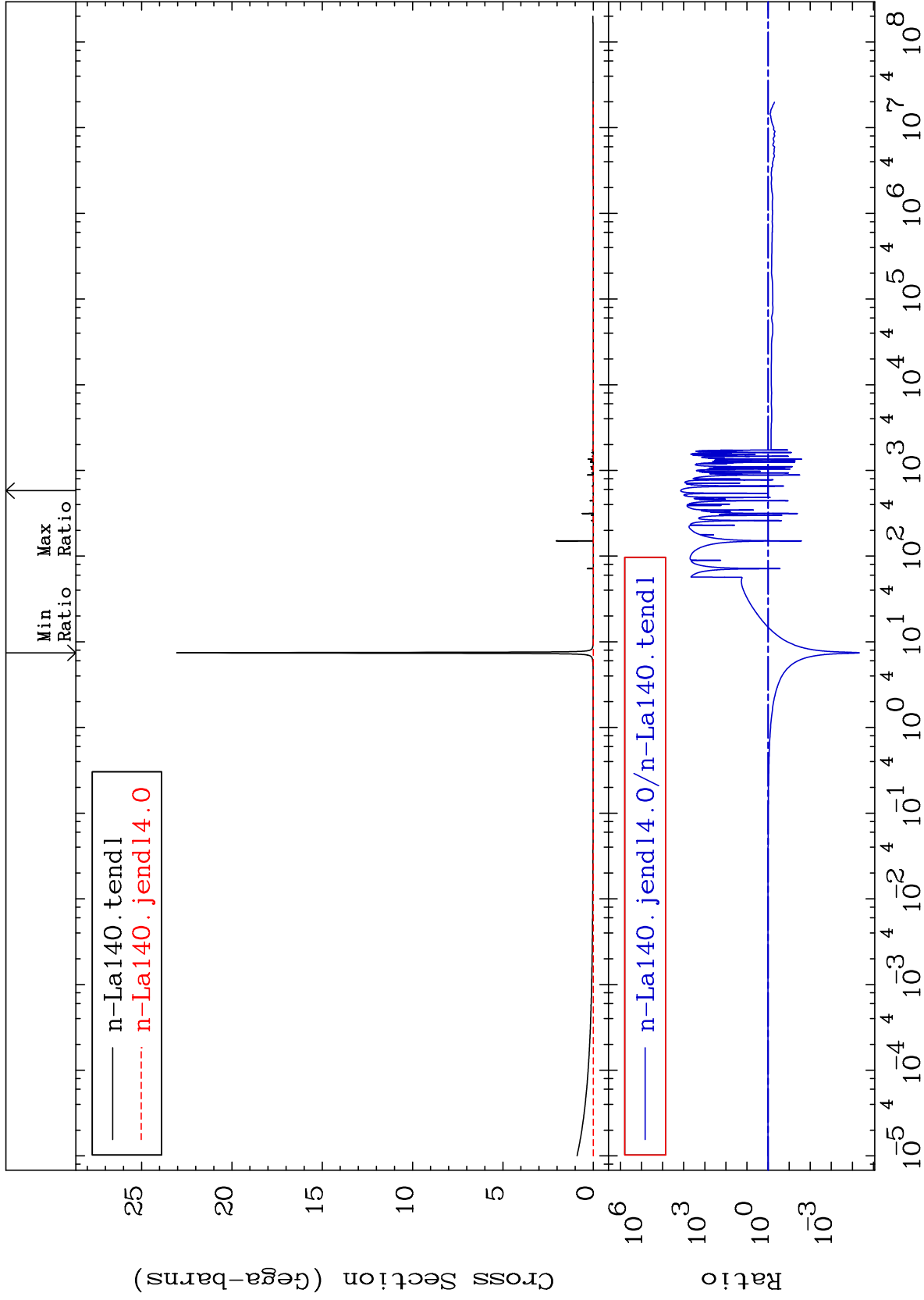
MAT 5731

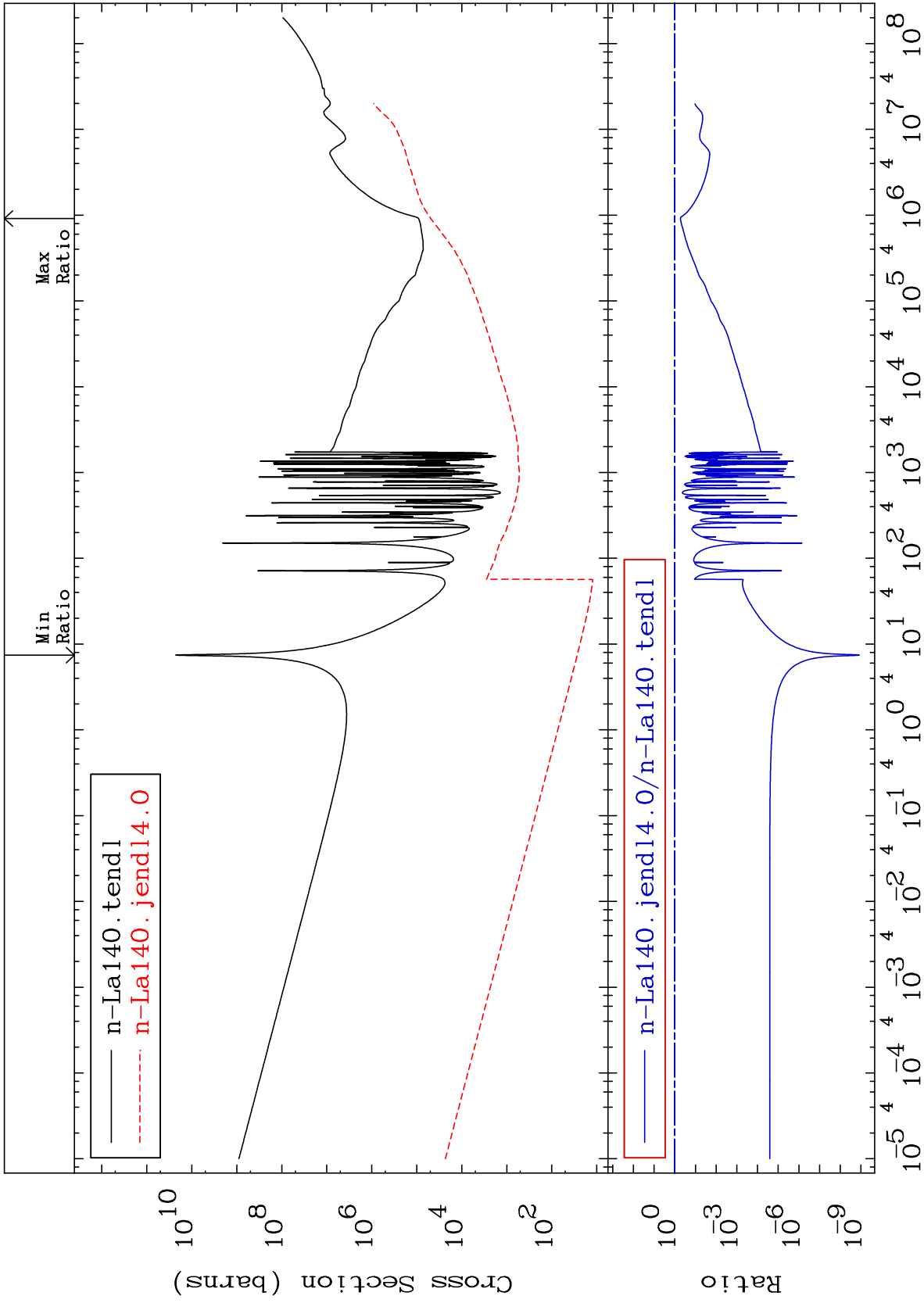
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

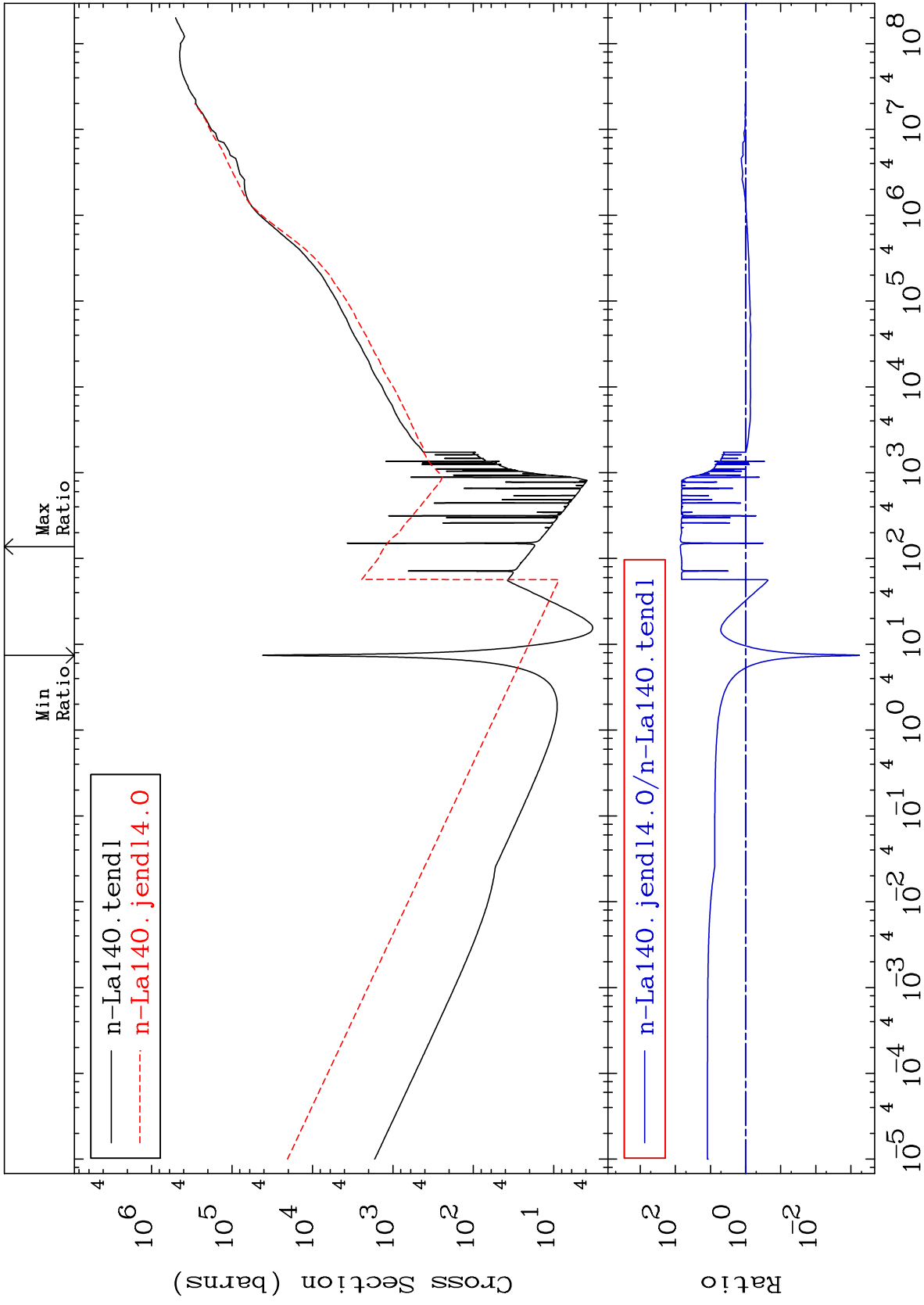
57-La-140
-44.77 To 83.50 %







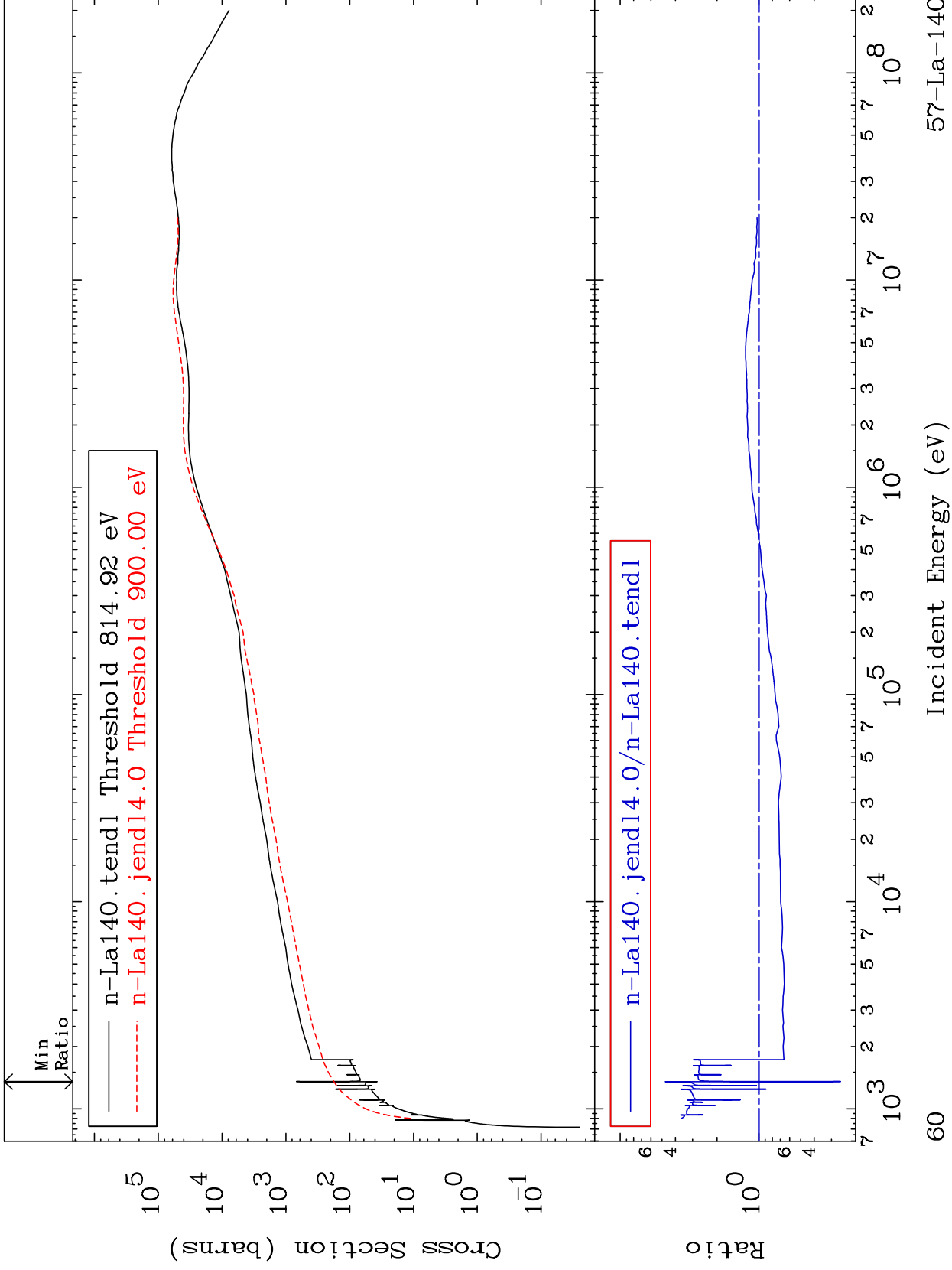


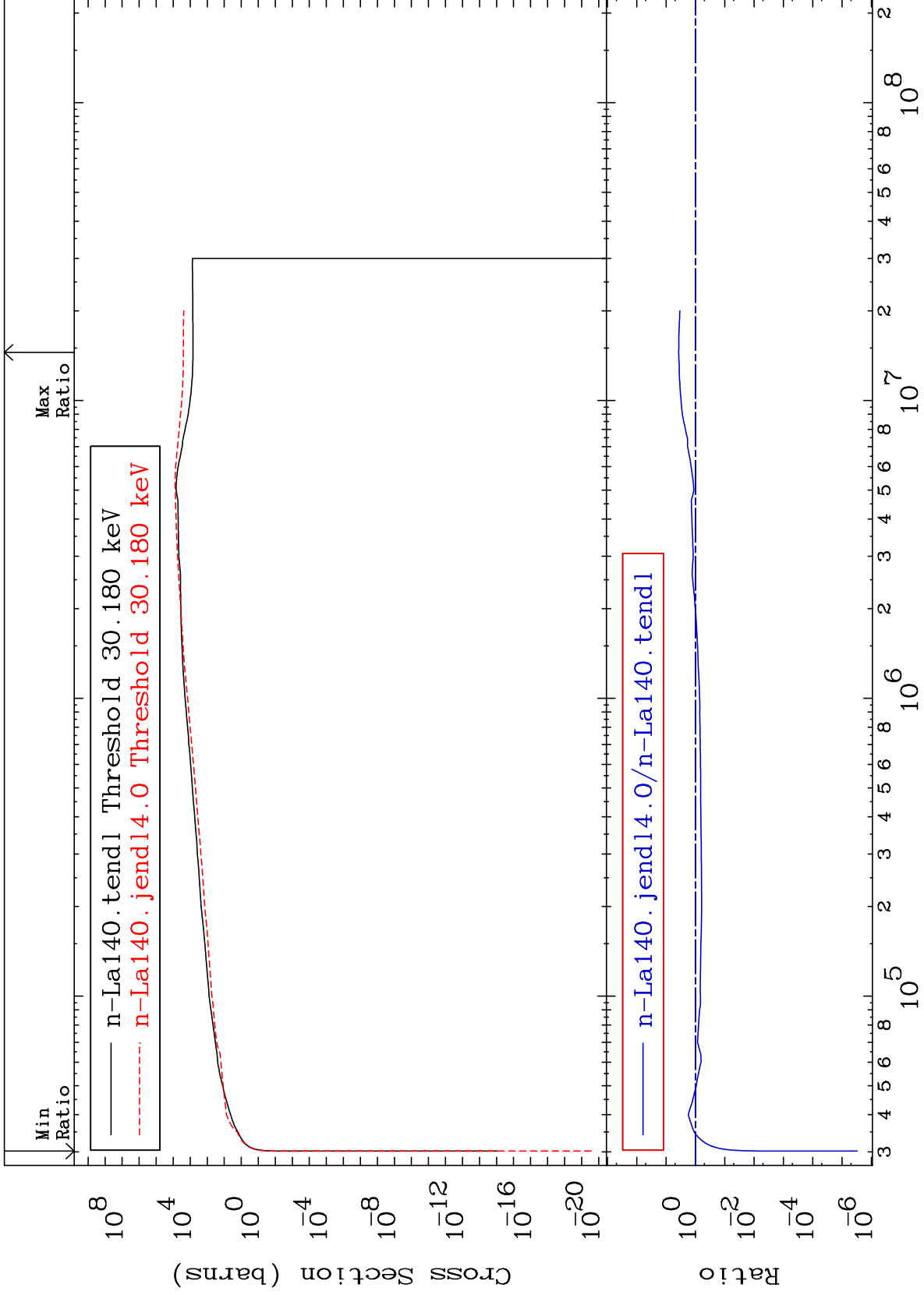


MAT 5731

Dpa elastic (mt2)
Cross Section

57-La-140
-74.27 To 371.0 %





MAT 5731

Dpa disappearance (mt102 -120)
Cross Section

57-La-140
-99.94 To 9999. %

