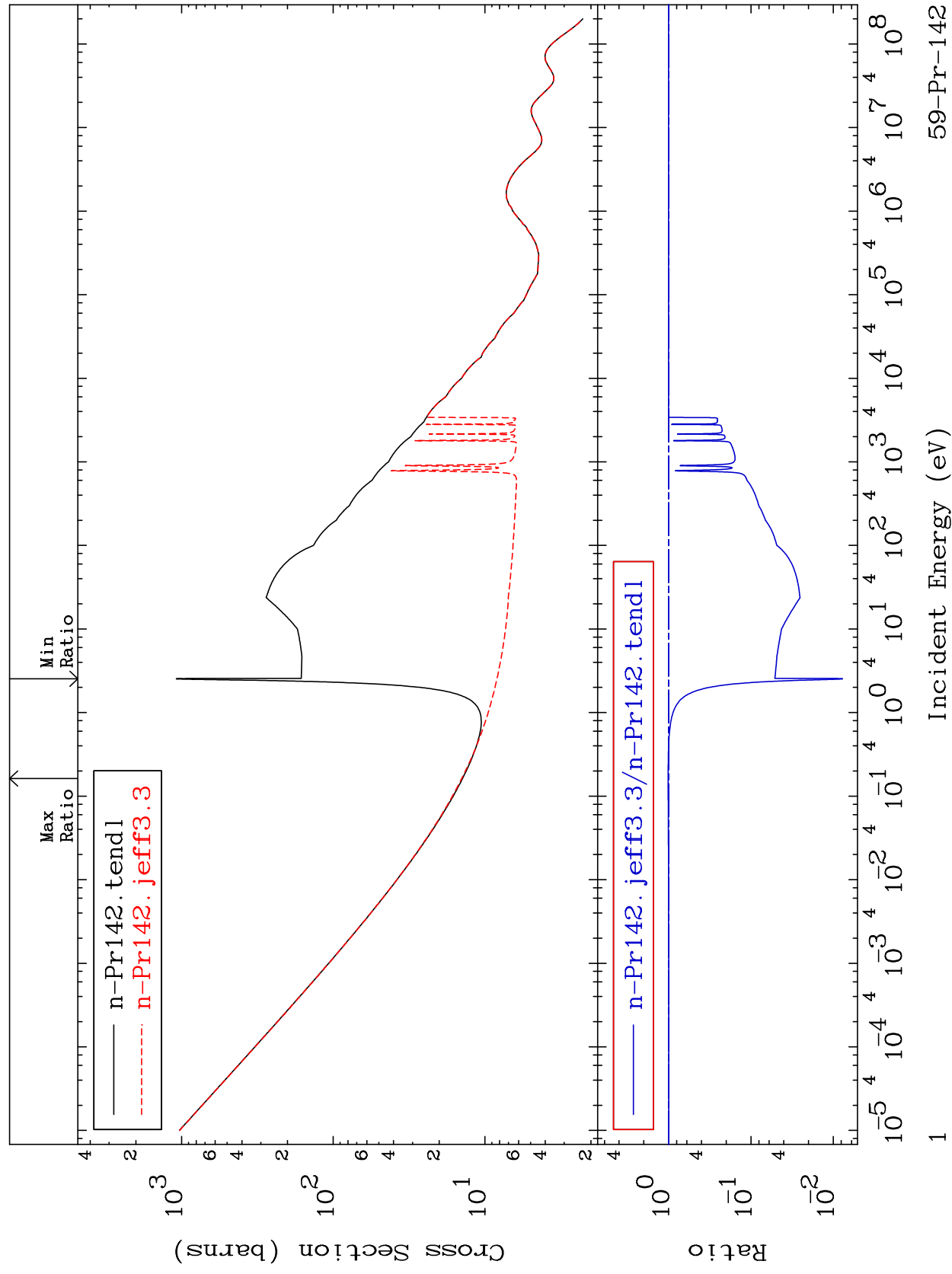
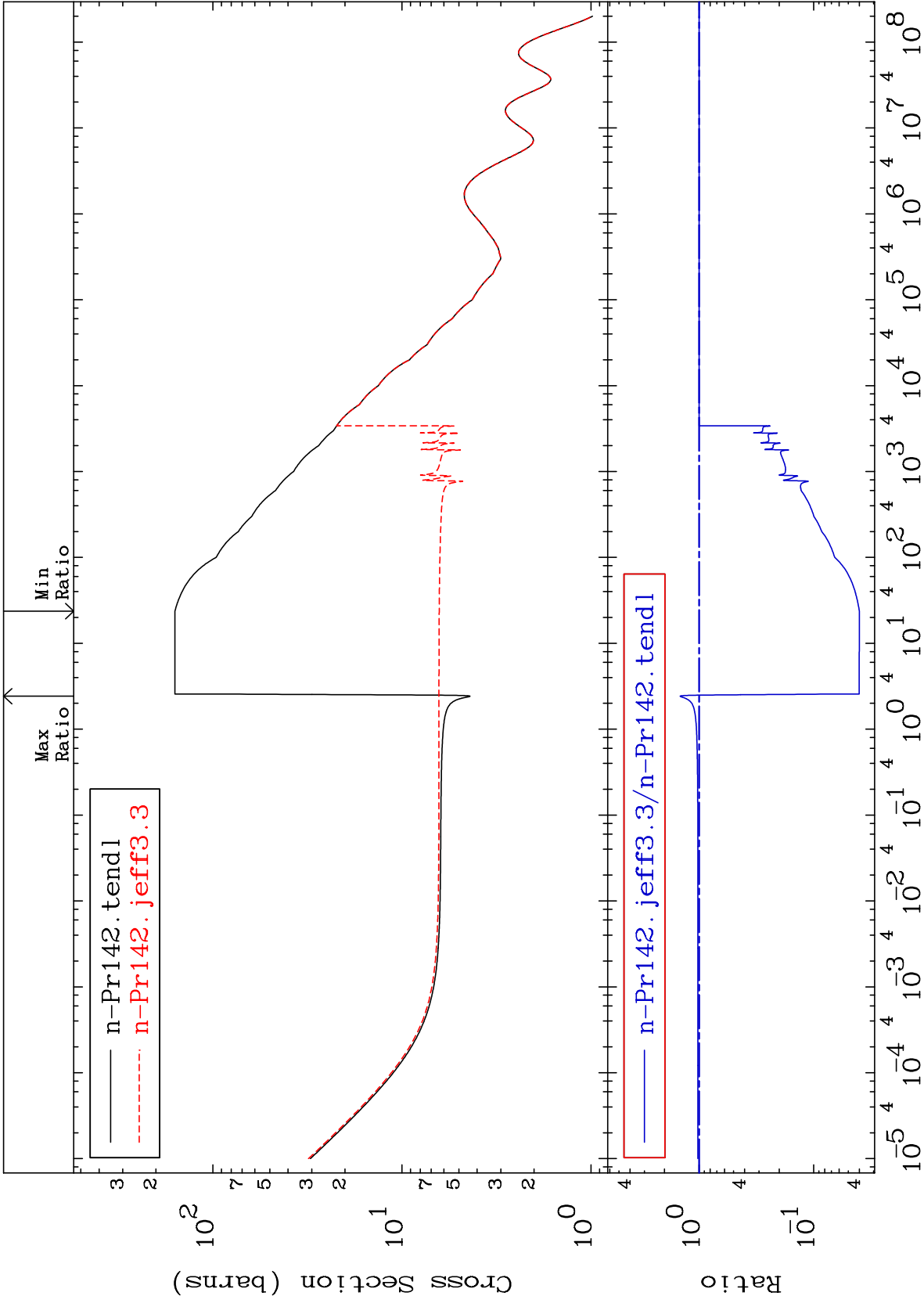


Total	59-Pr-142
Cross Section	-99.23 To 1.204 %



Elastic Cross Section

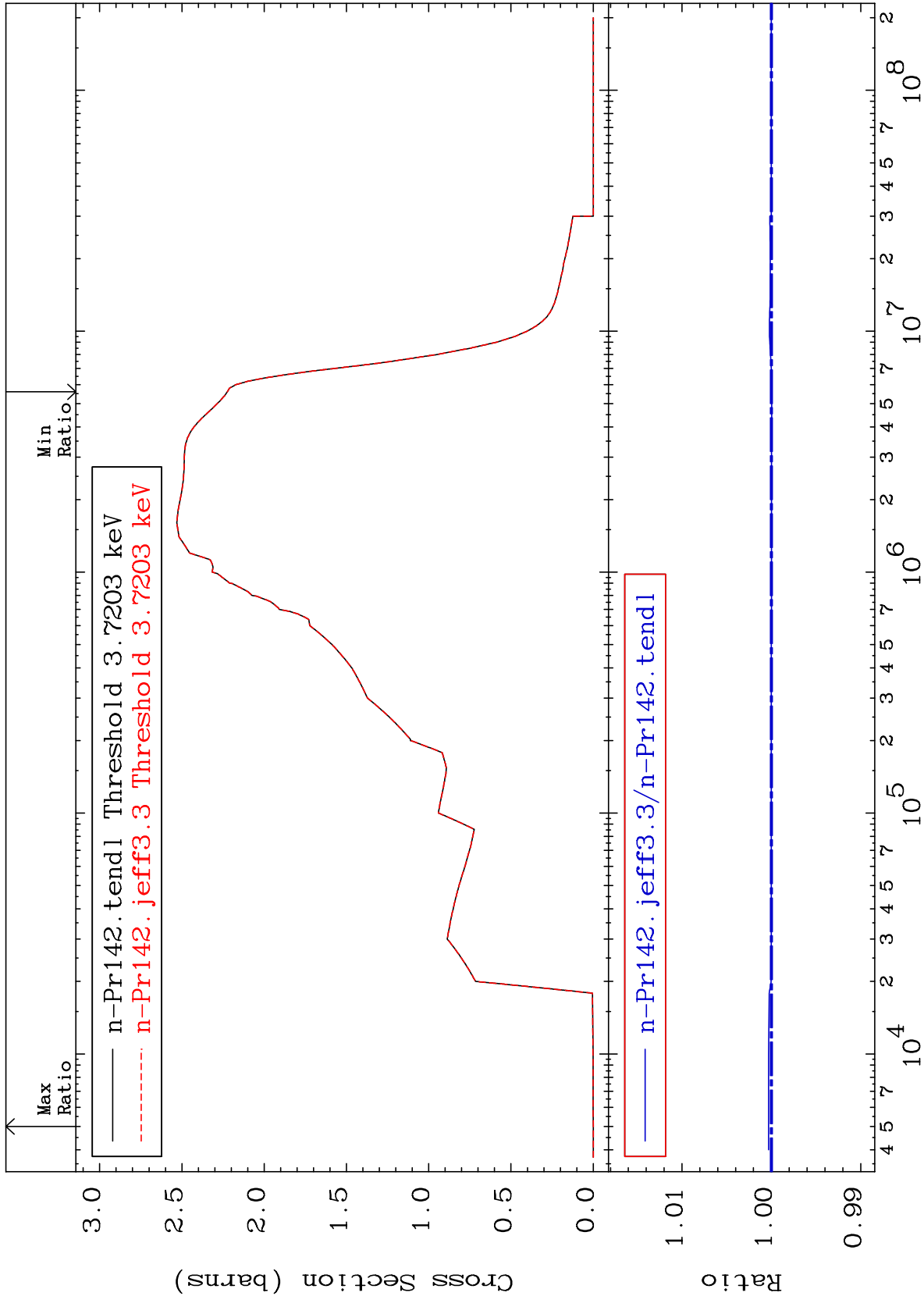
-96.00 To 46.11 %

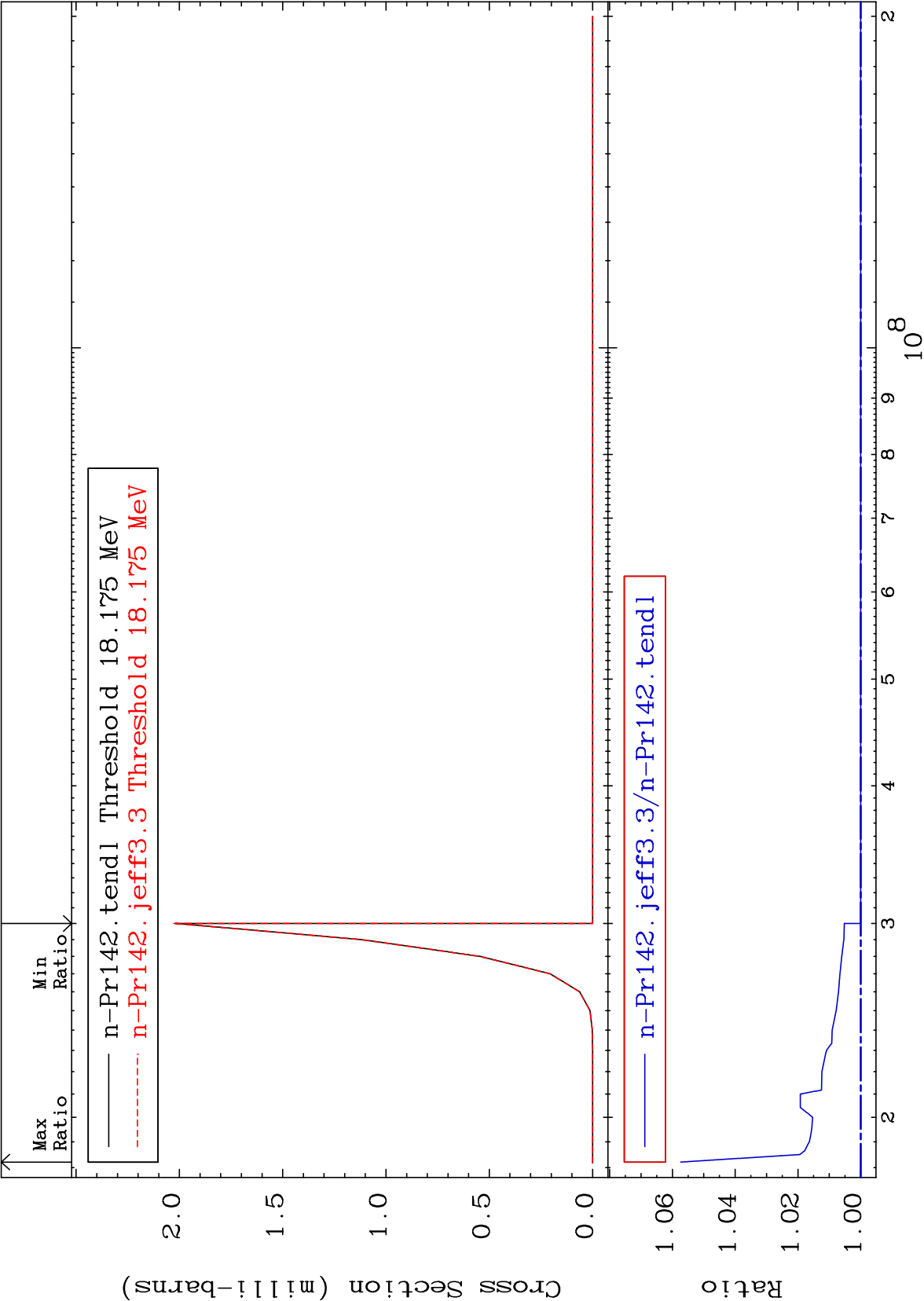


MAT 5928

Inelastic
Cross Section

59-Pr-142
-0.005 To 0.032 %





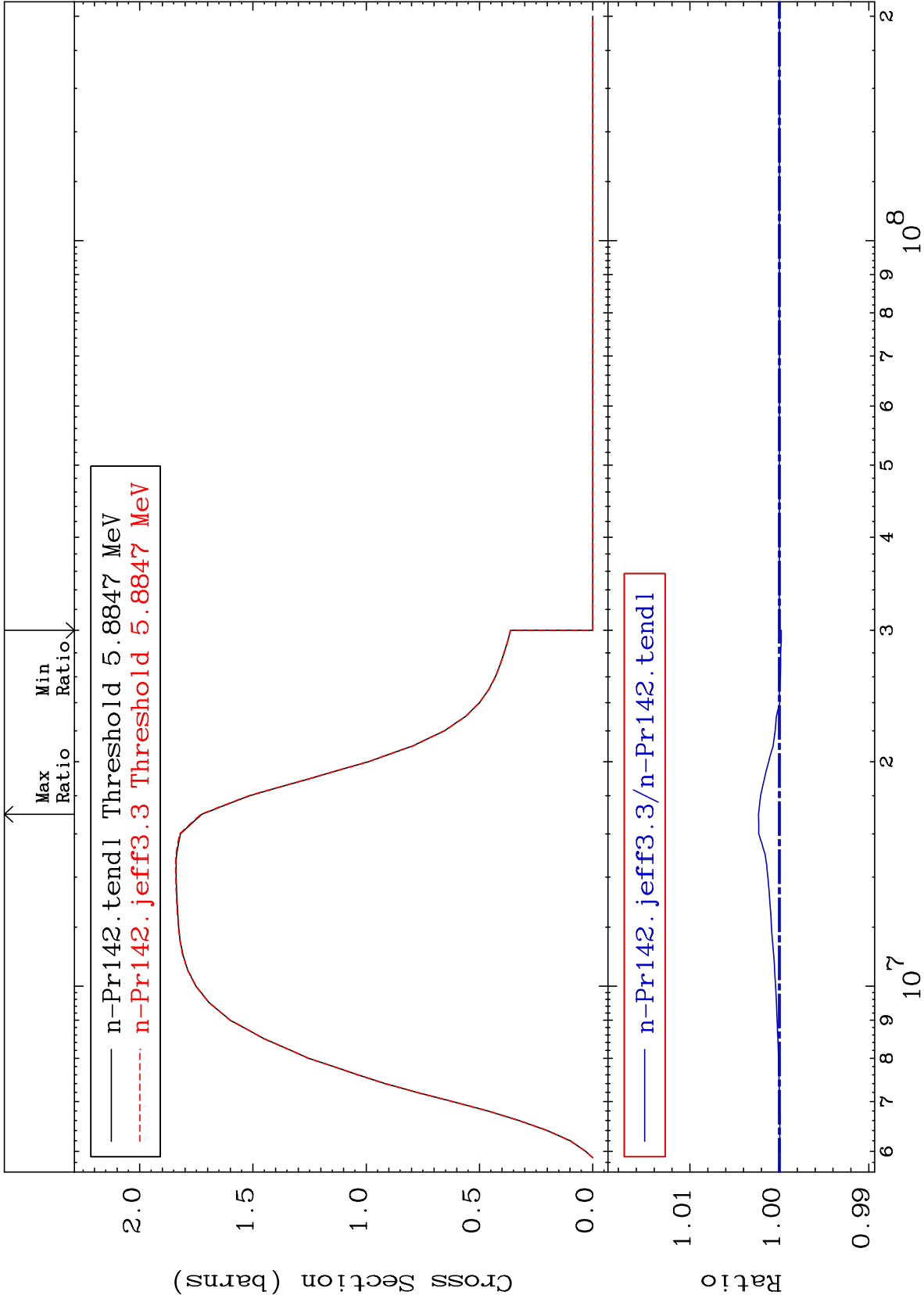
MAT 5928

(n,2n)

59-Pr-142

Cross Section

-0.021 To 0.232 %



5

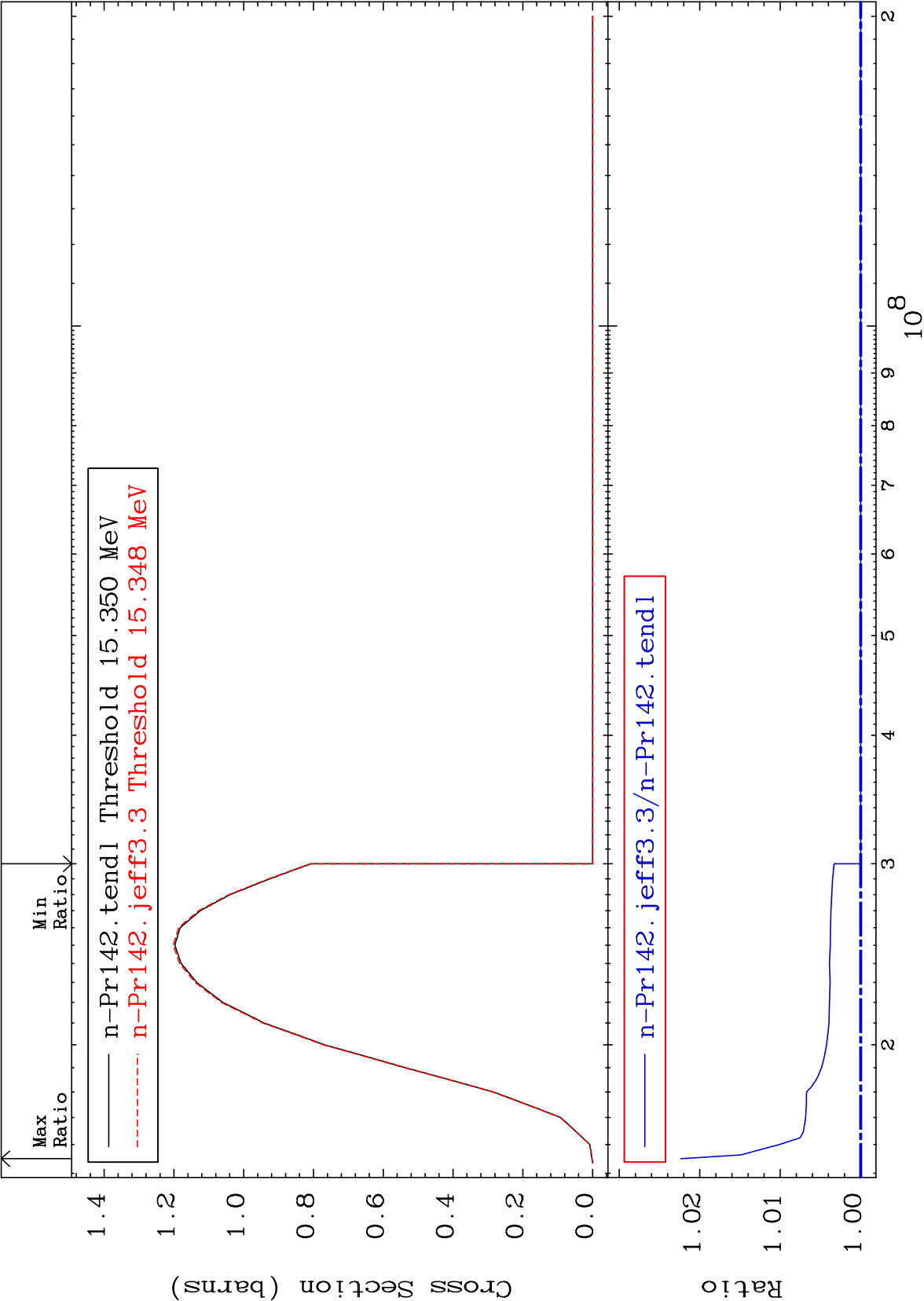
Incident Energy (eV)

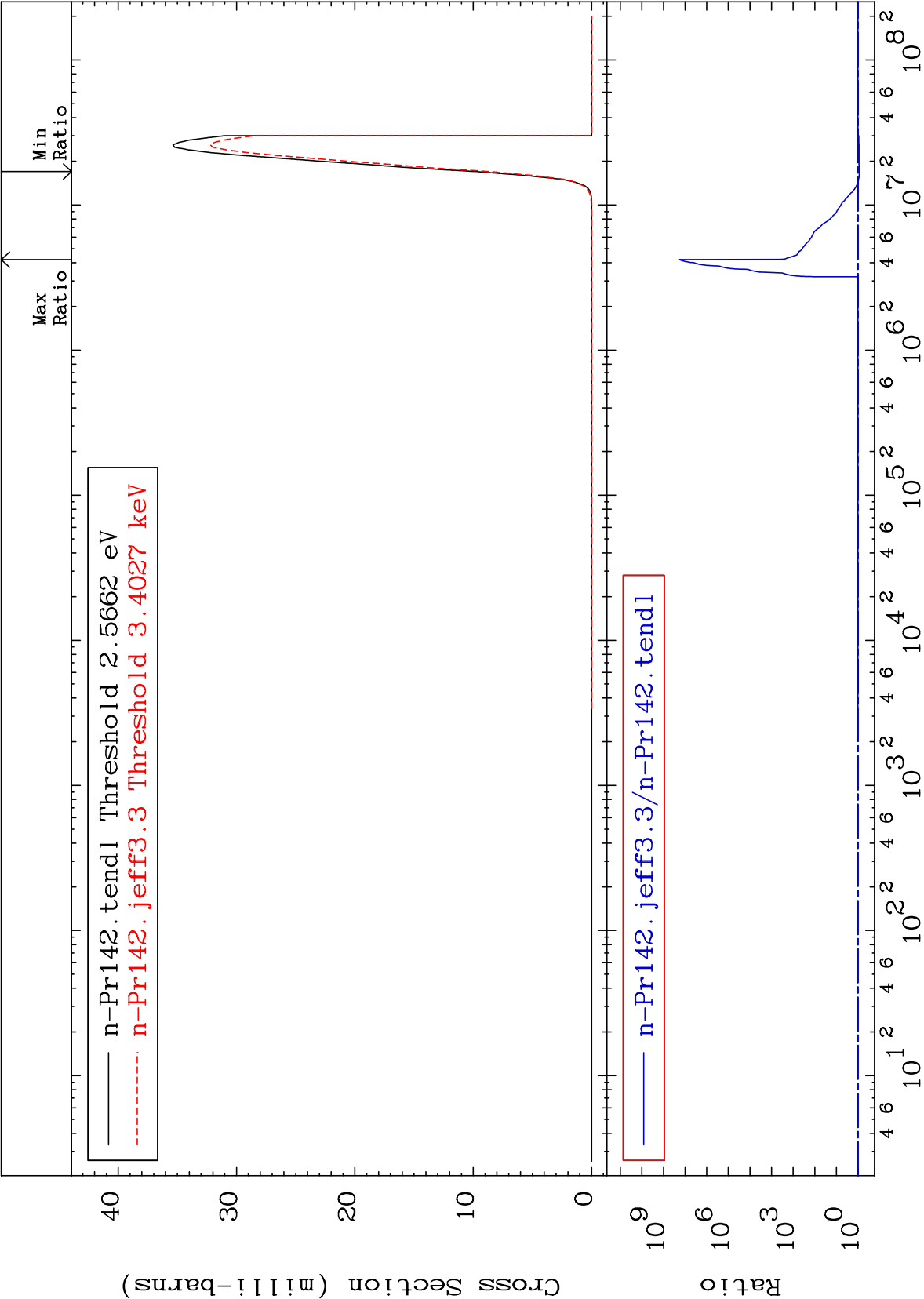
59-Pr-142

Cross Section

0.000

To 2.237 %

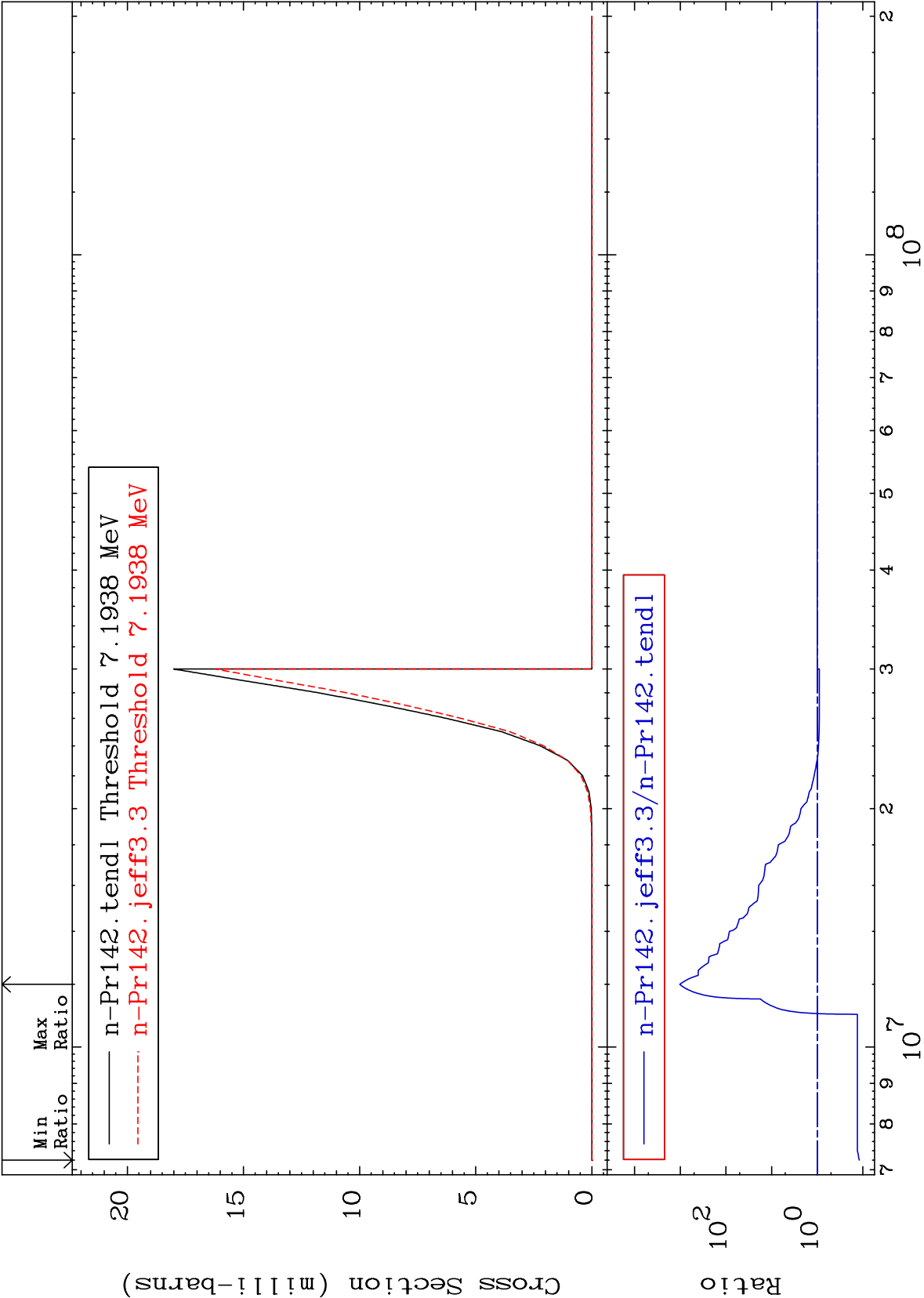




MAT 5928

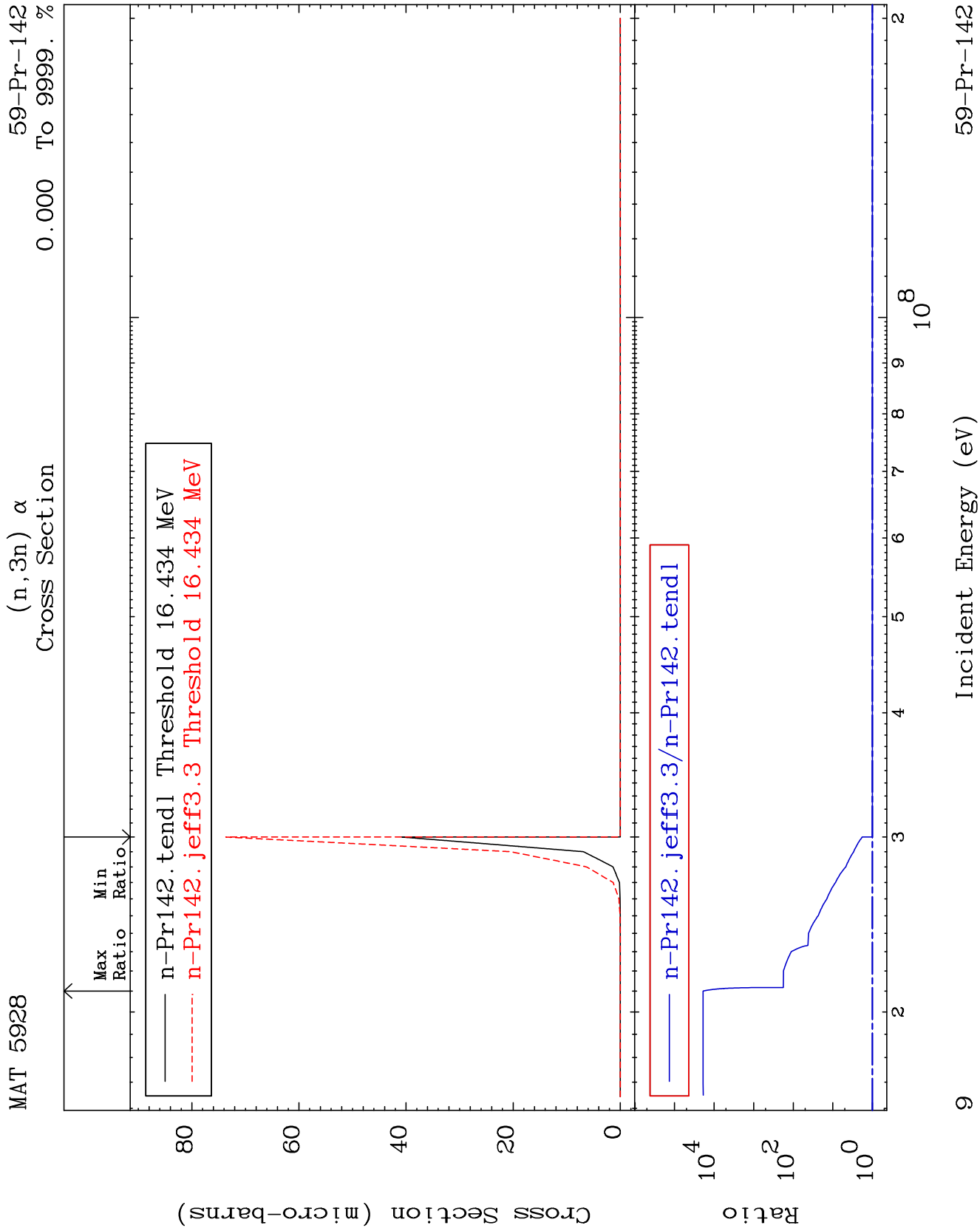
(n,2n) α
Cross Section

59-Pr-142
-87.98 To 9999. %



Incident Energy (eV)

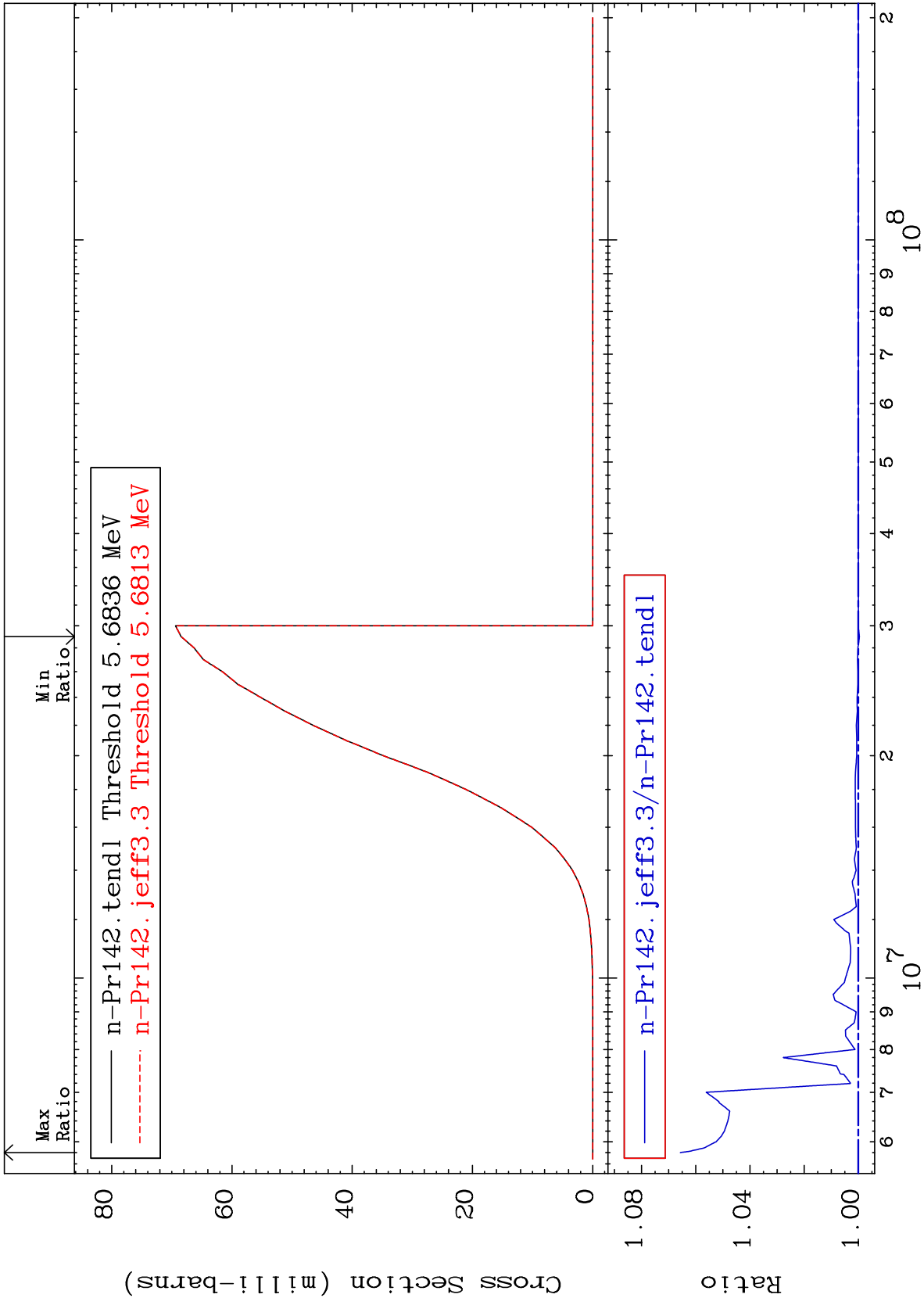
59-Pr-142



MAT 5928

(n,n') p
Cross Section

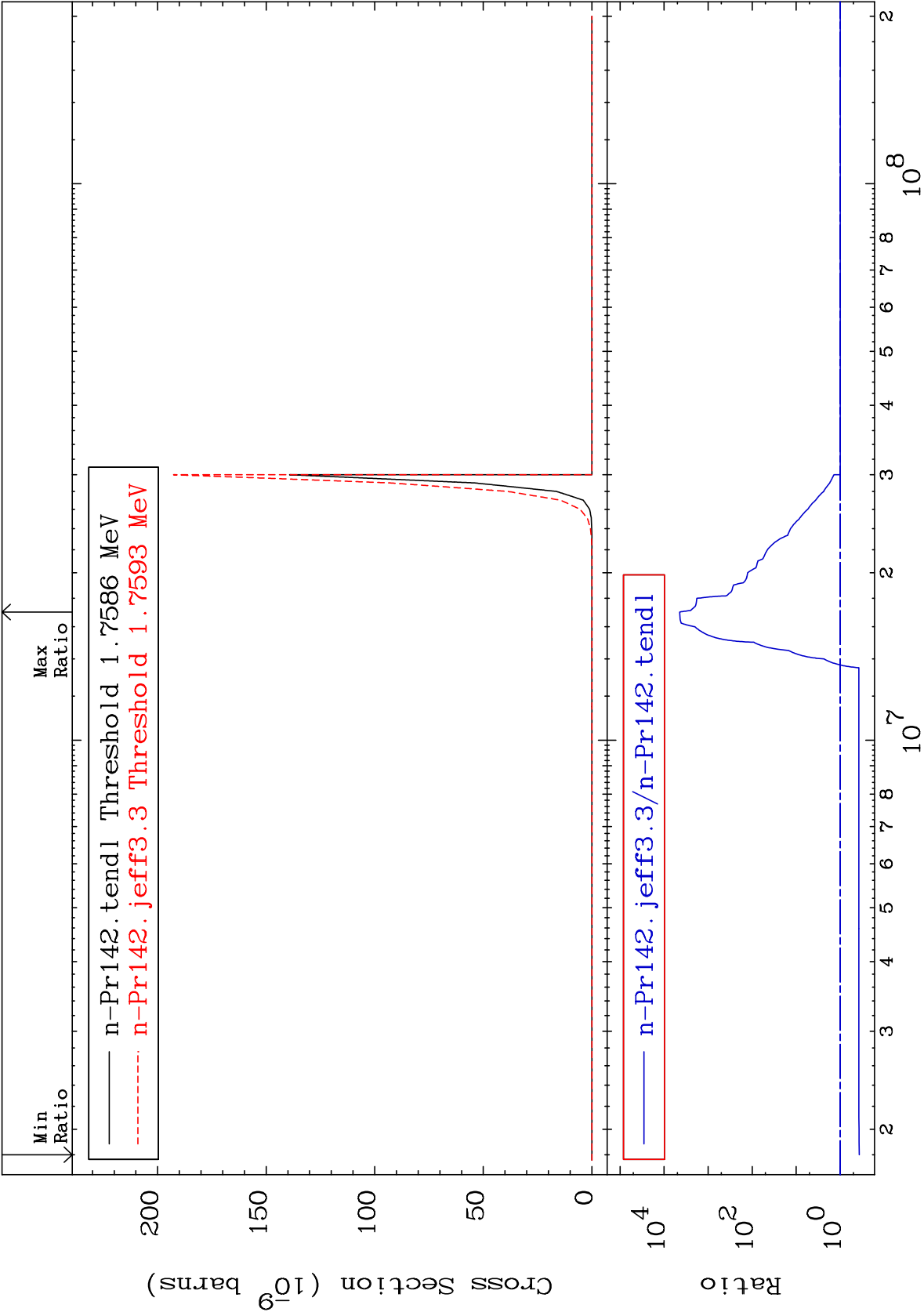
59-Pr-142
-0.042 To 6.566 %

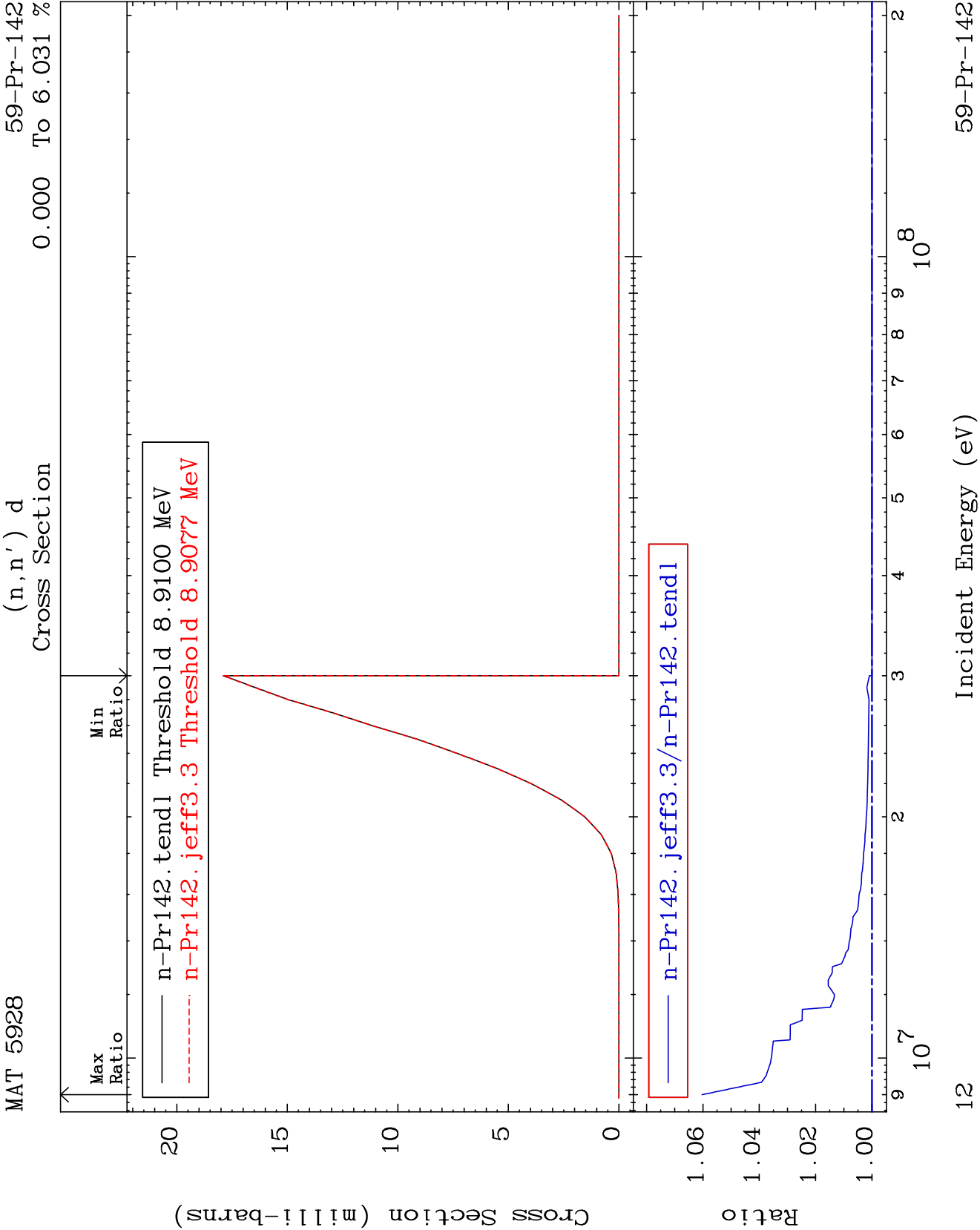


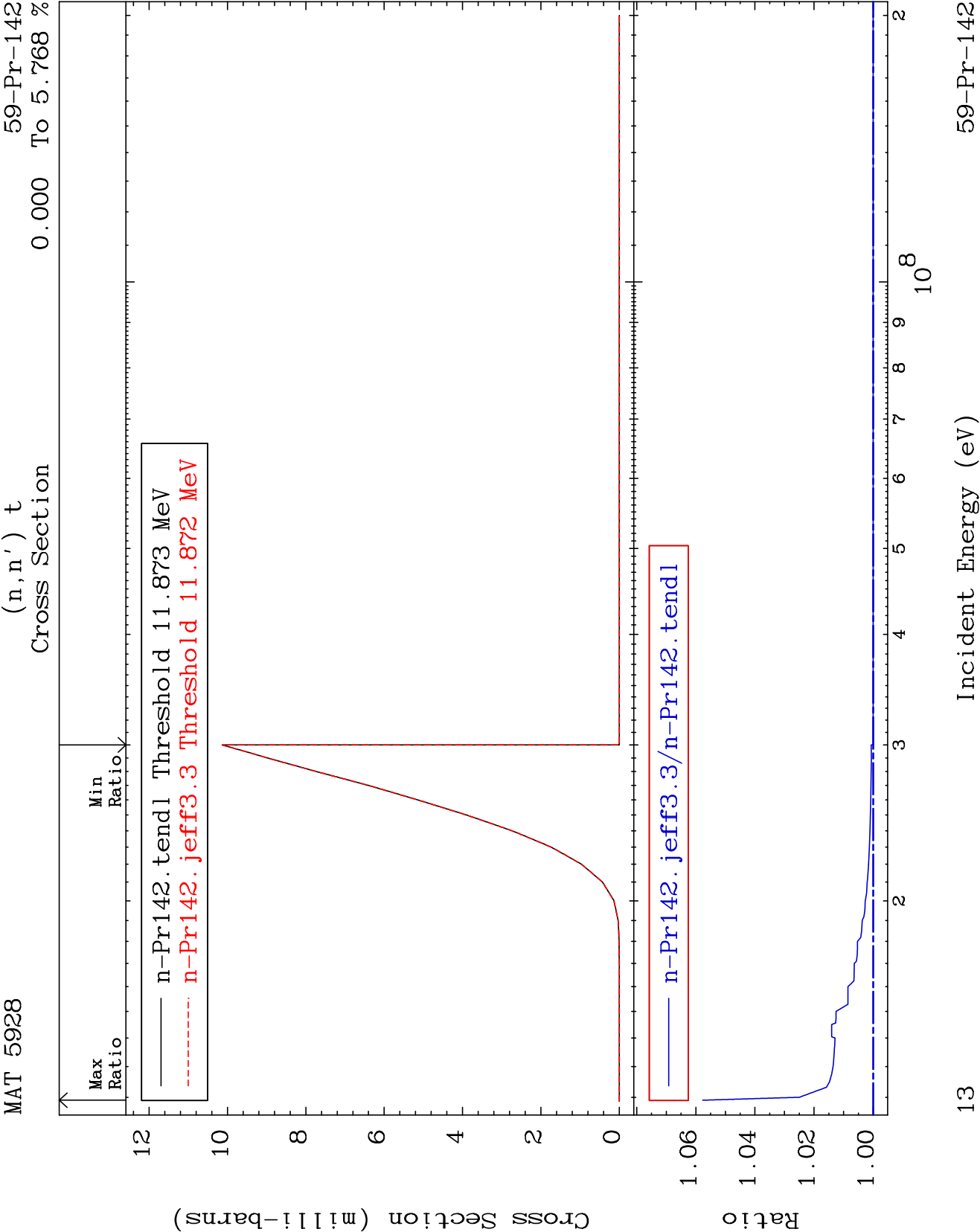
10

Incident Energy (eV)

59-Pr-142



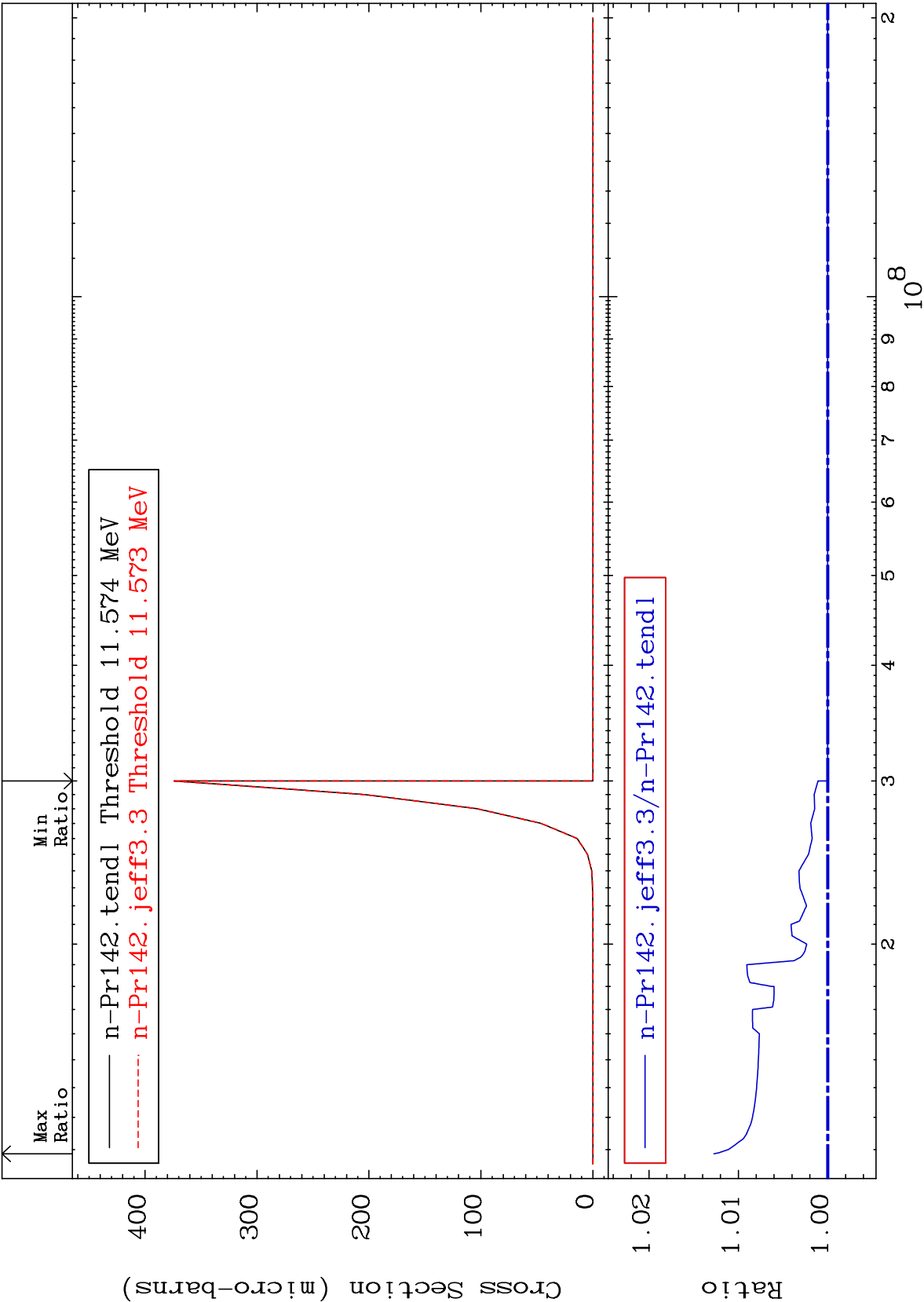




MAT 5928

(n,n') He-3
Cross Section

59-Pr-142
0.000 To 1.274 %



MAT 5928

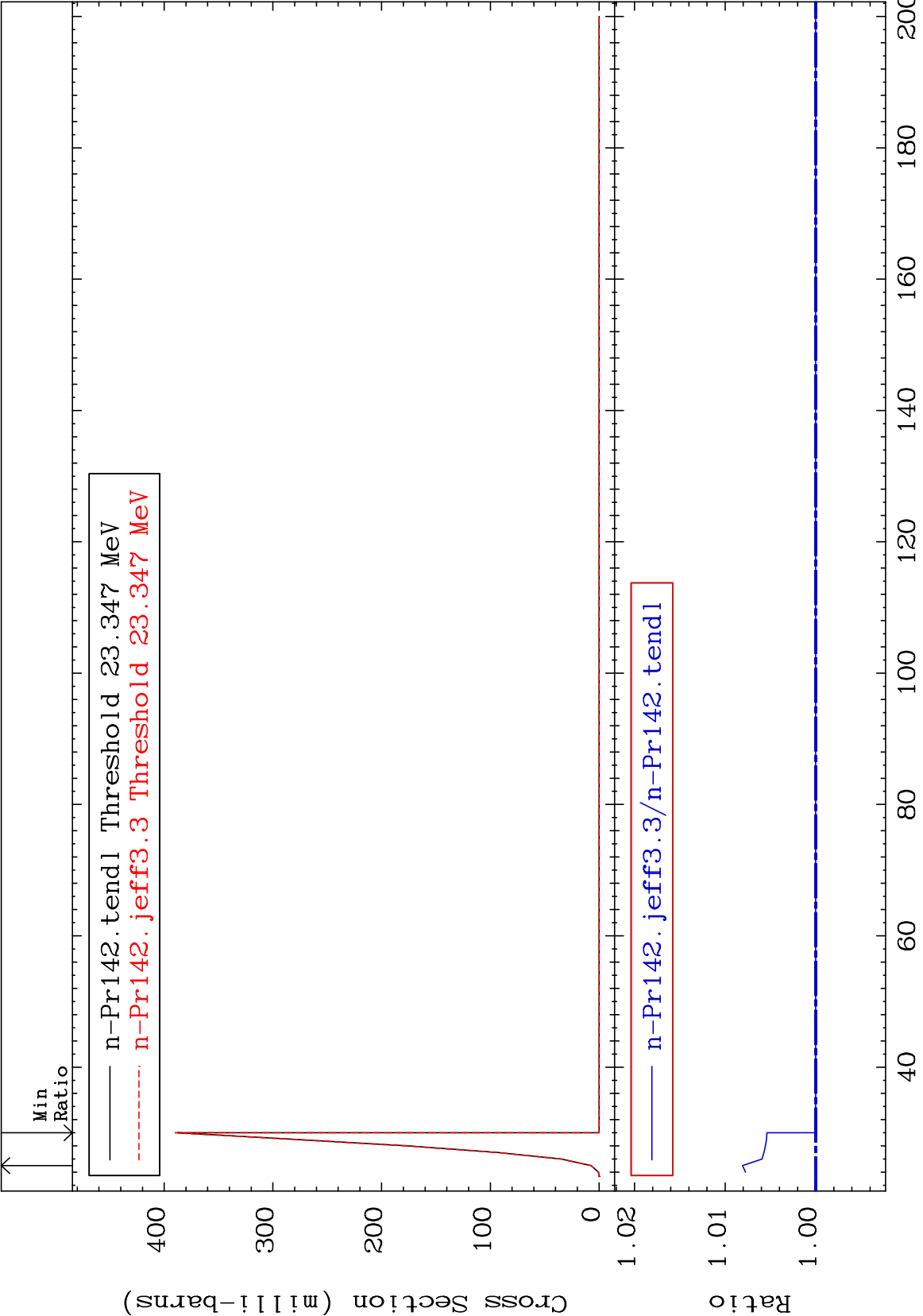
(n,4n)

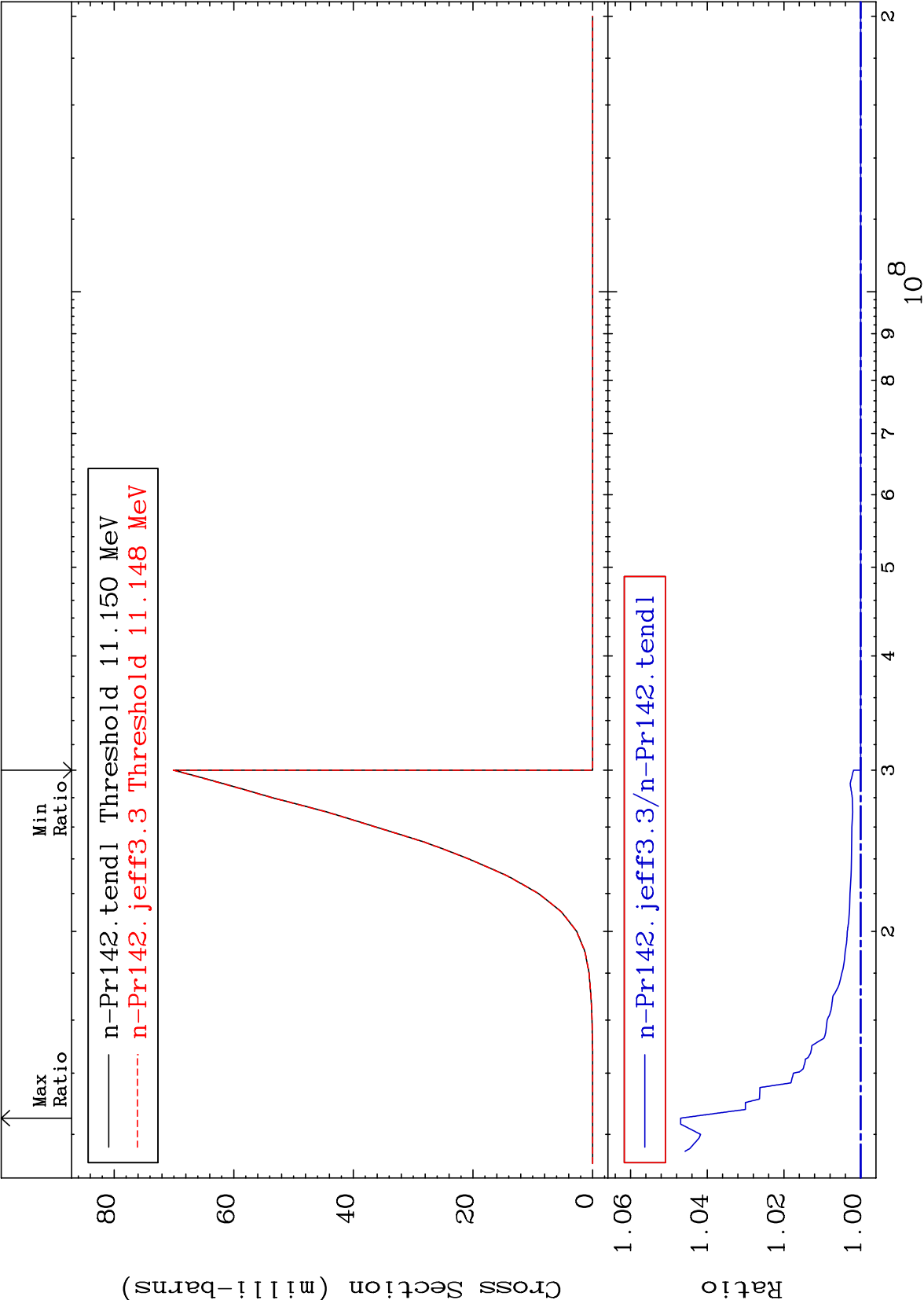
59-Pr-142

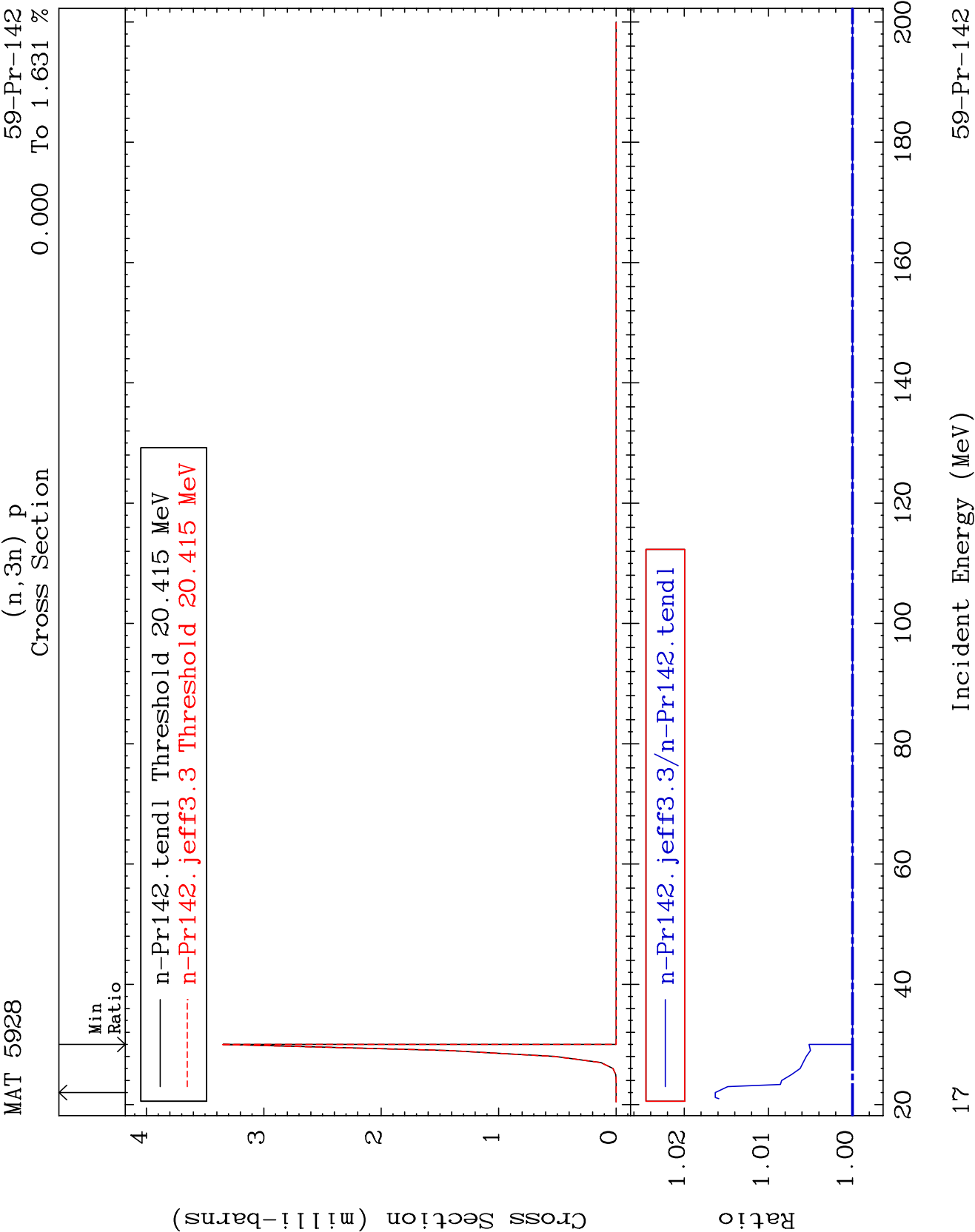
Cross Section

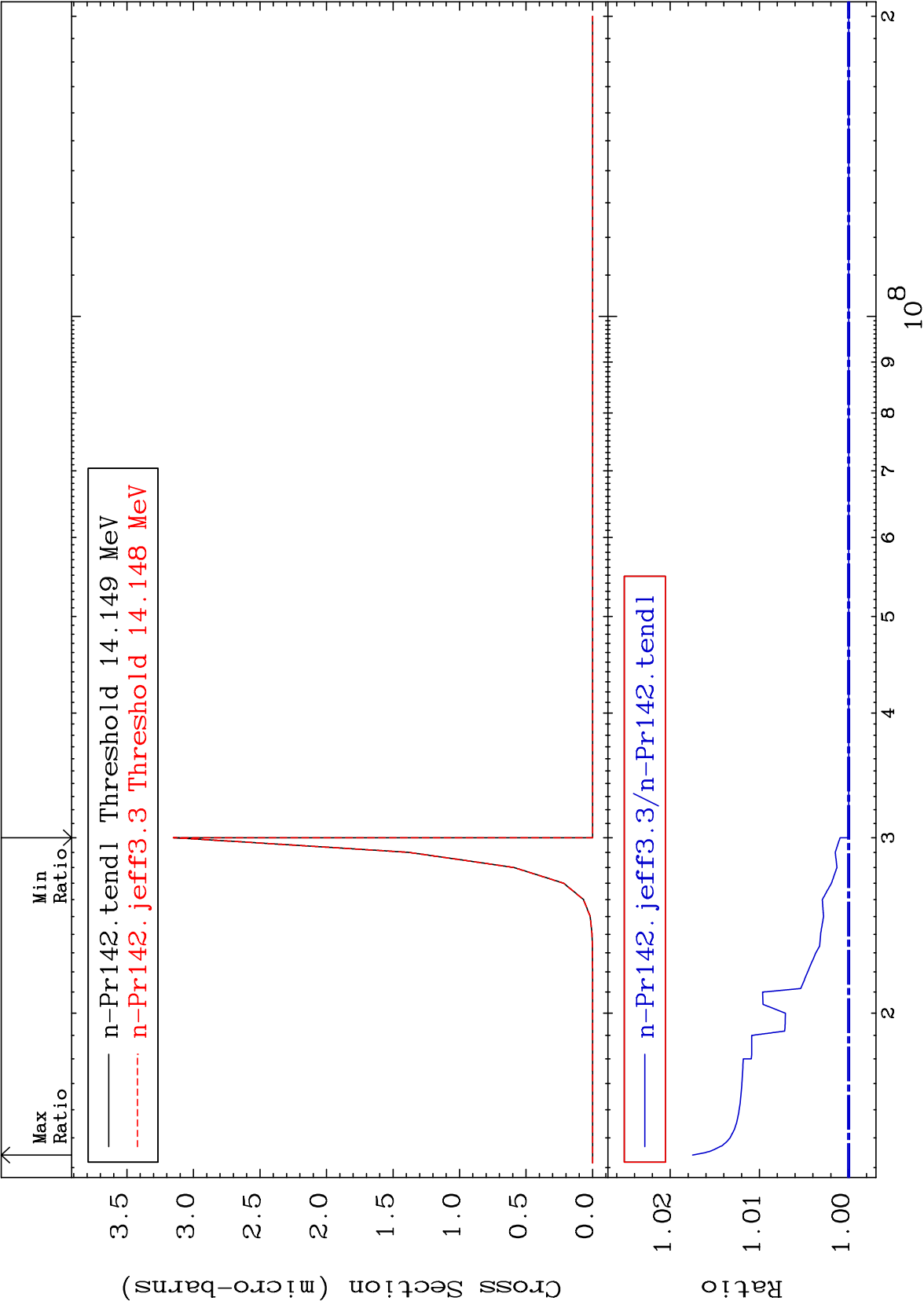
0.000

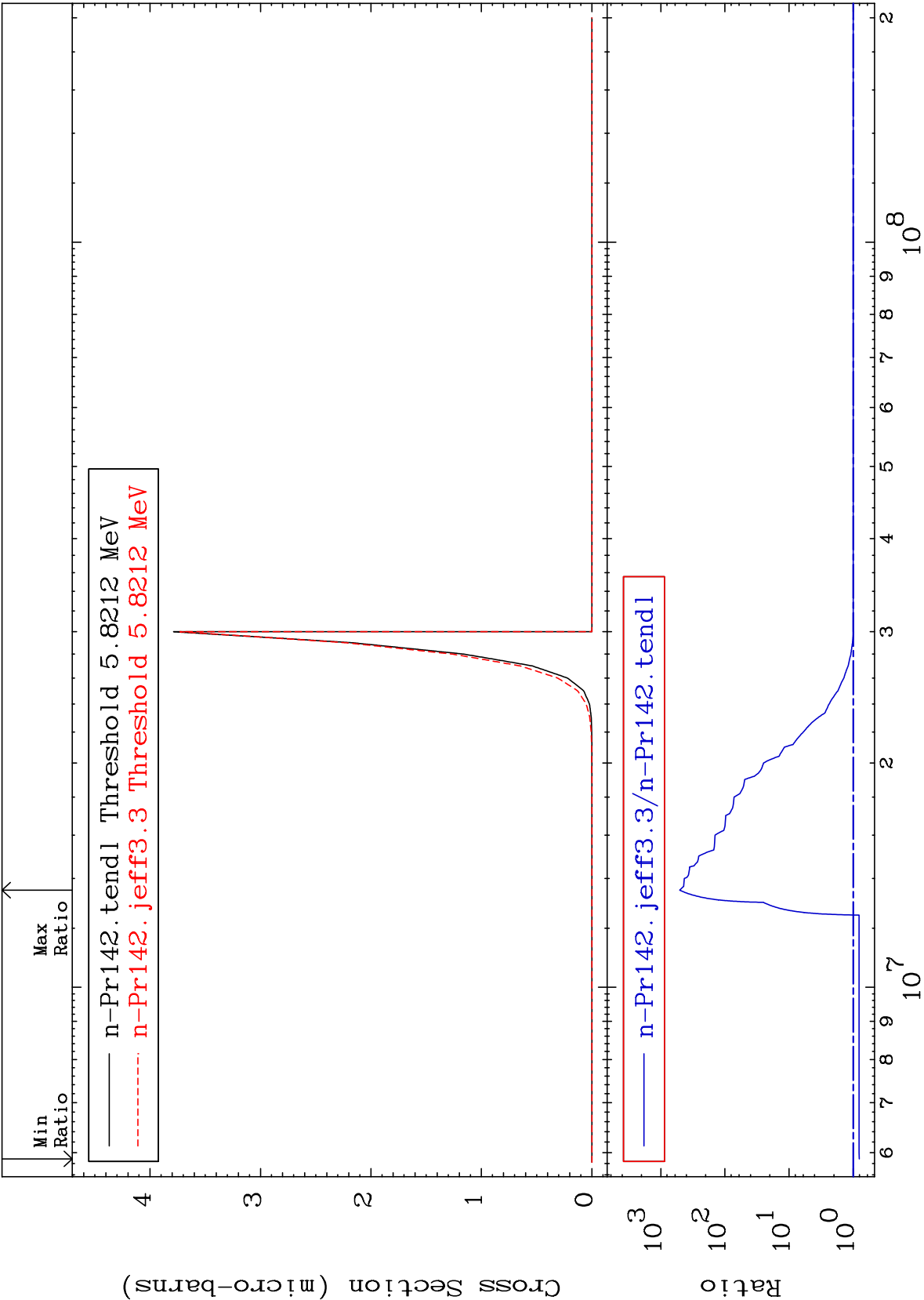
To 0.808 %











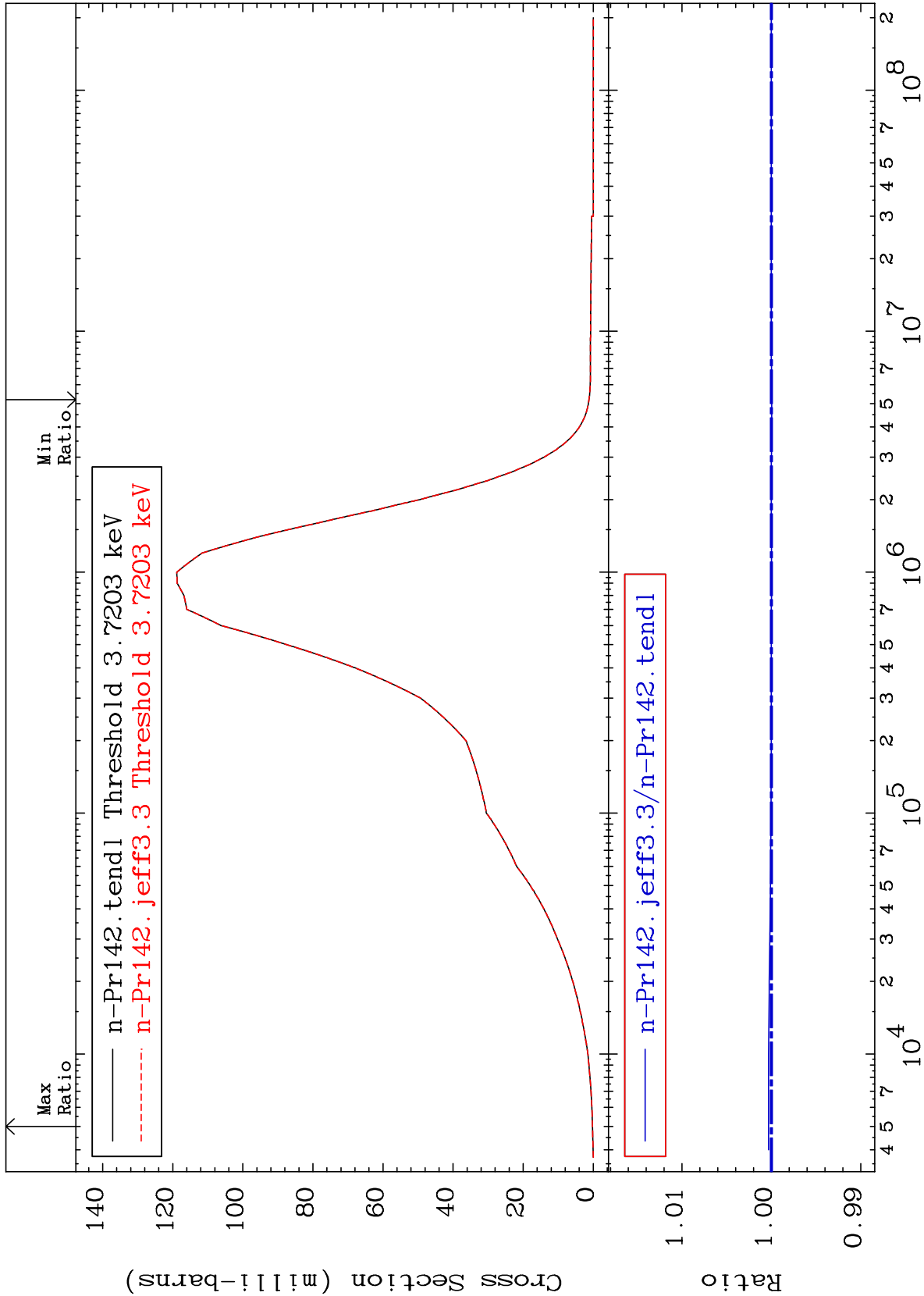
MAT 5928

MT= 51 (n,n') Level

59-Pr-142

Cross Section

-0.005 To 0.032 %



20

Incident Energy (eV)

59-Pr-142

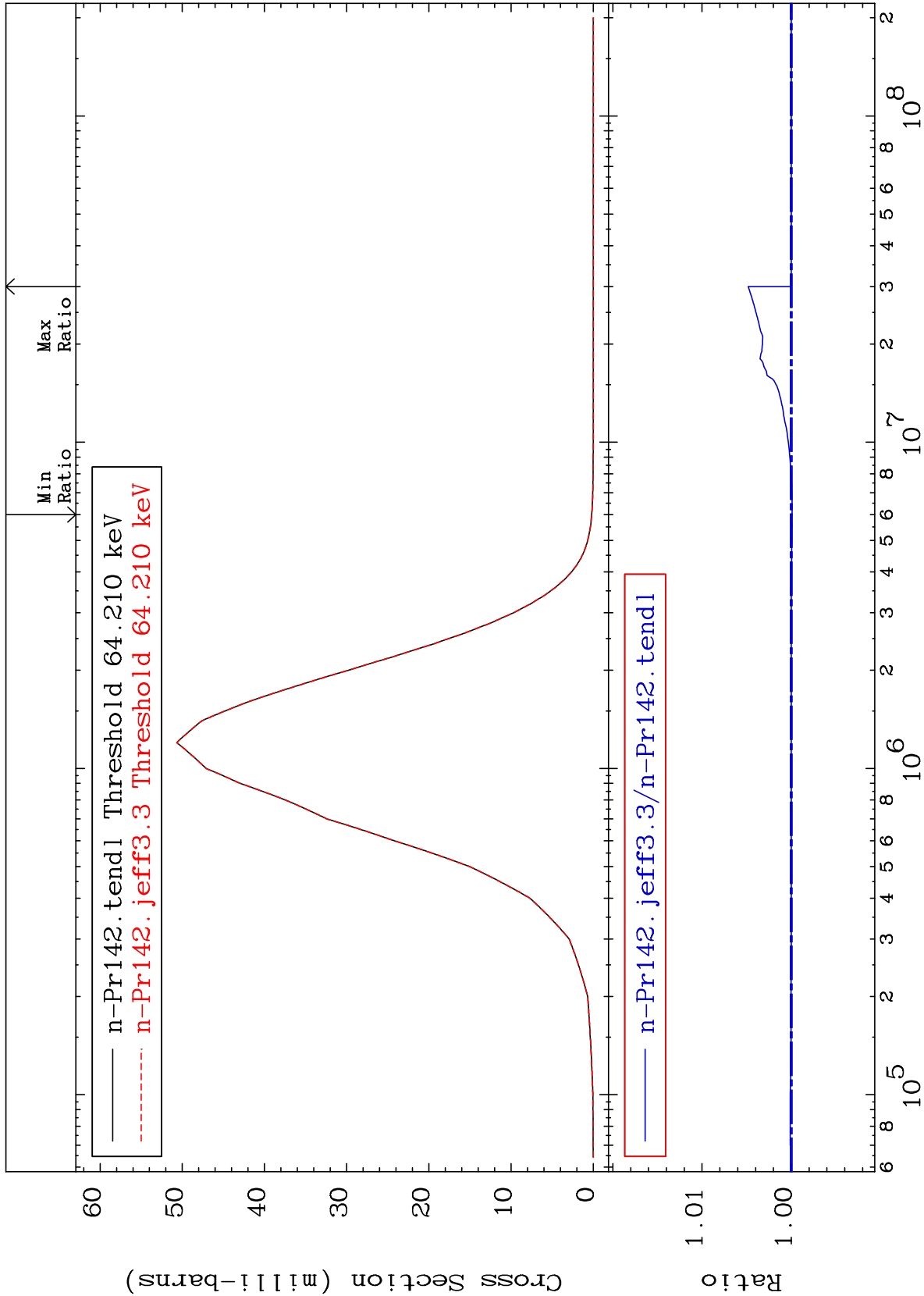
MAT 5928

MT= 53 (n,n') Level

59-Pr-142

Cross Section

-0.010 To 0.482 %



21

Incident Energy (eV)

59-Pr-142

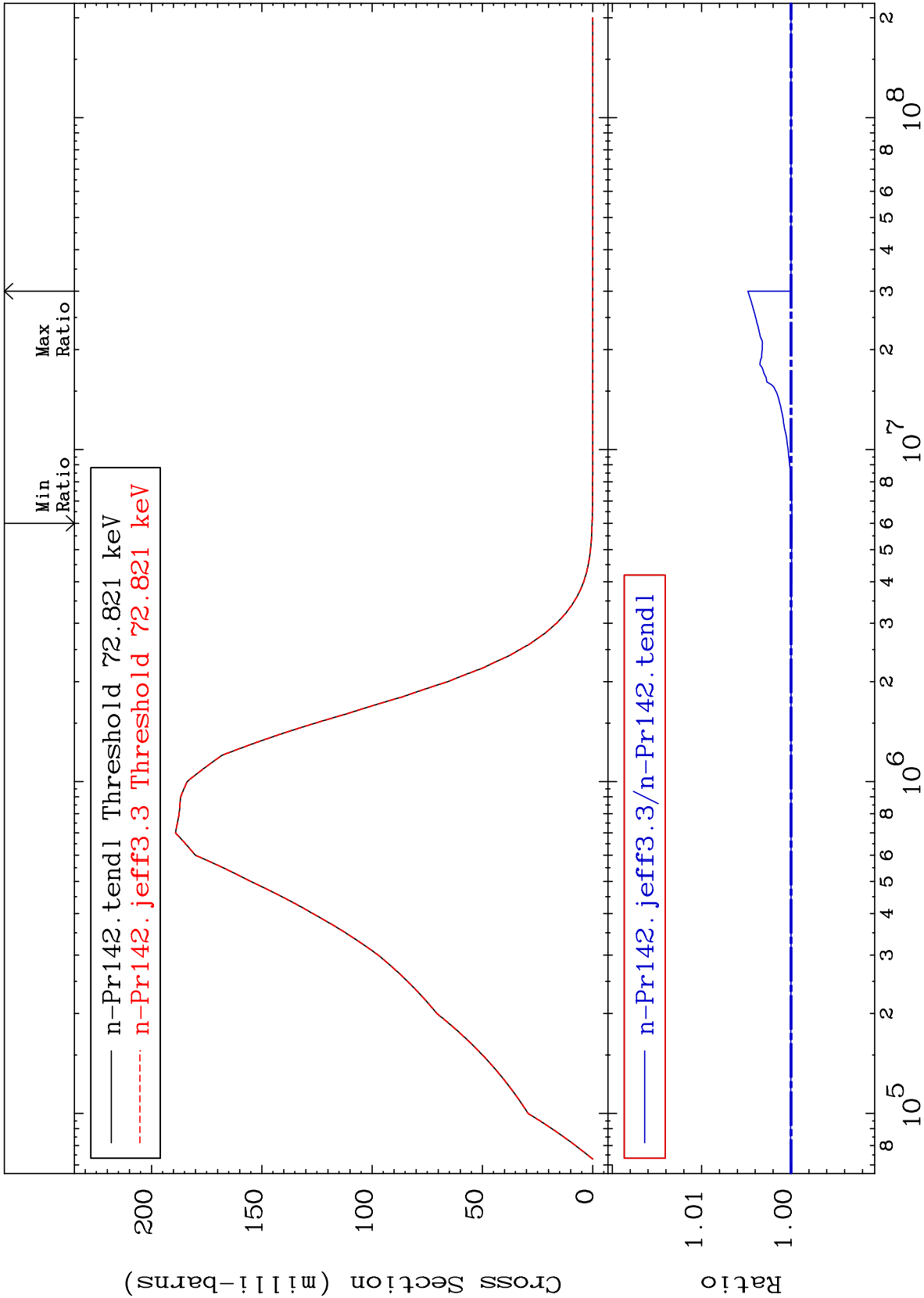
MAT 5928

MT= 54 (n,n') Level

59-Pr-142

Cross Section

-0.010 To 0.482 %



22

Incident Energy (eV)

59-Pr-142

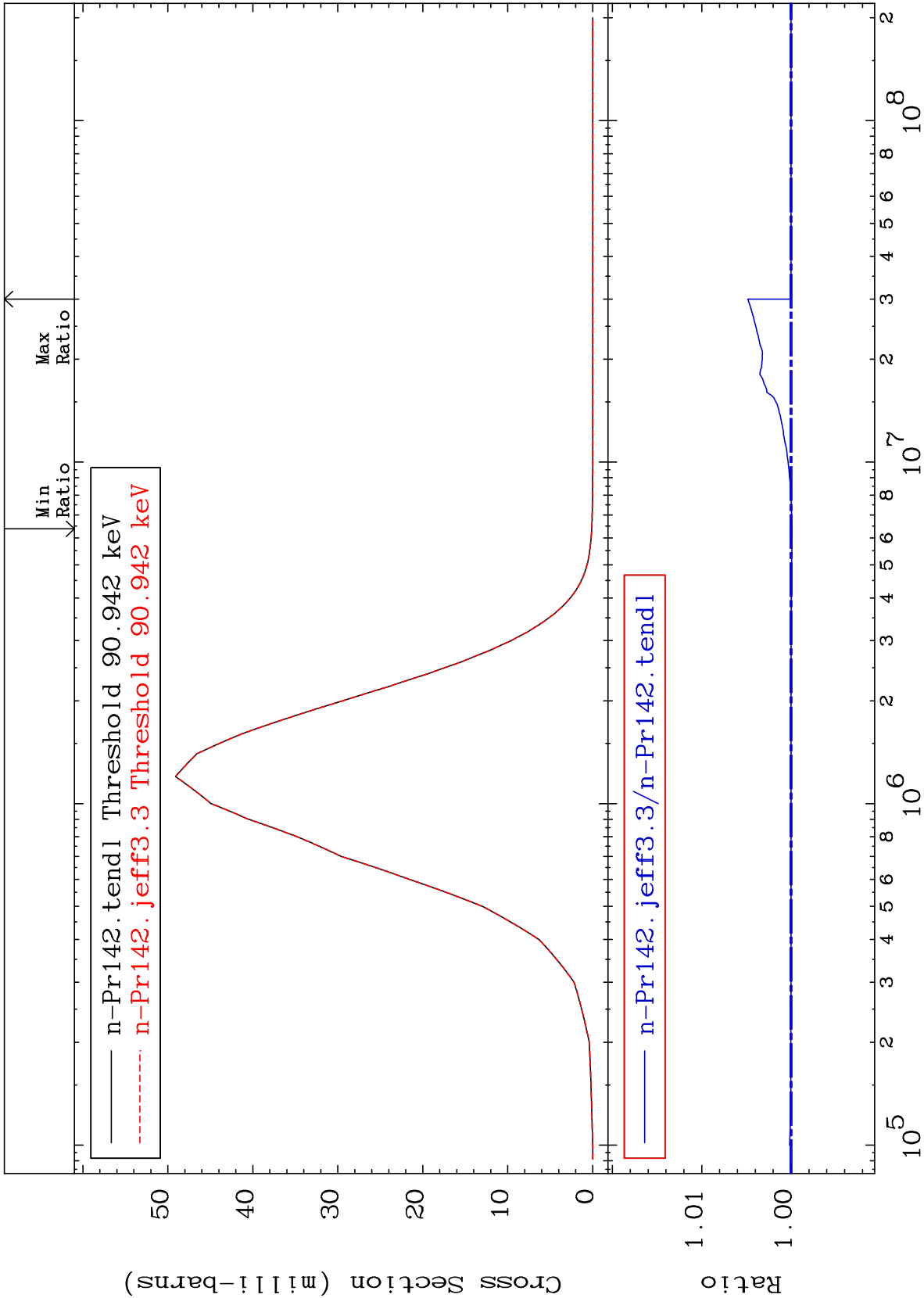
MAT 5928

MT= 56 (n,n') Level

59-Pr-142

-0.009 To 0.483 %

Cross Section



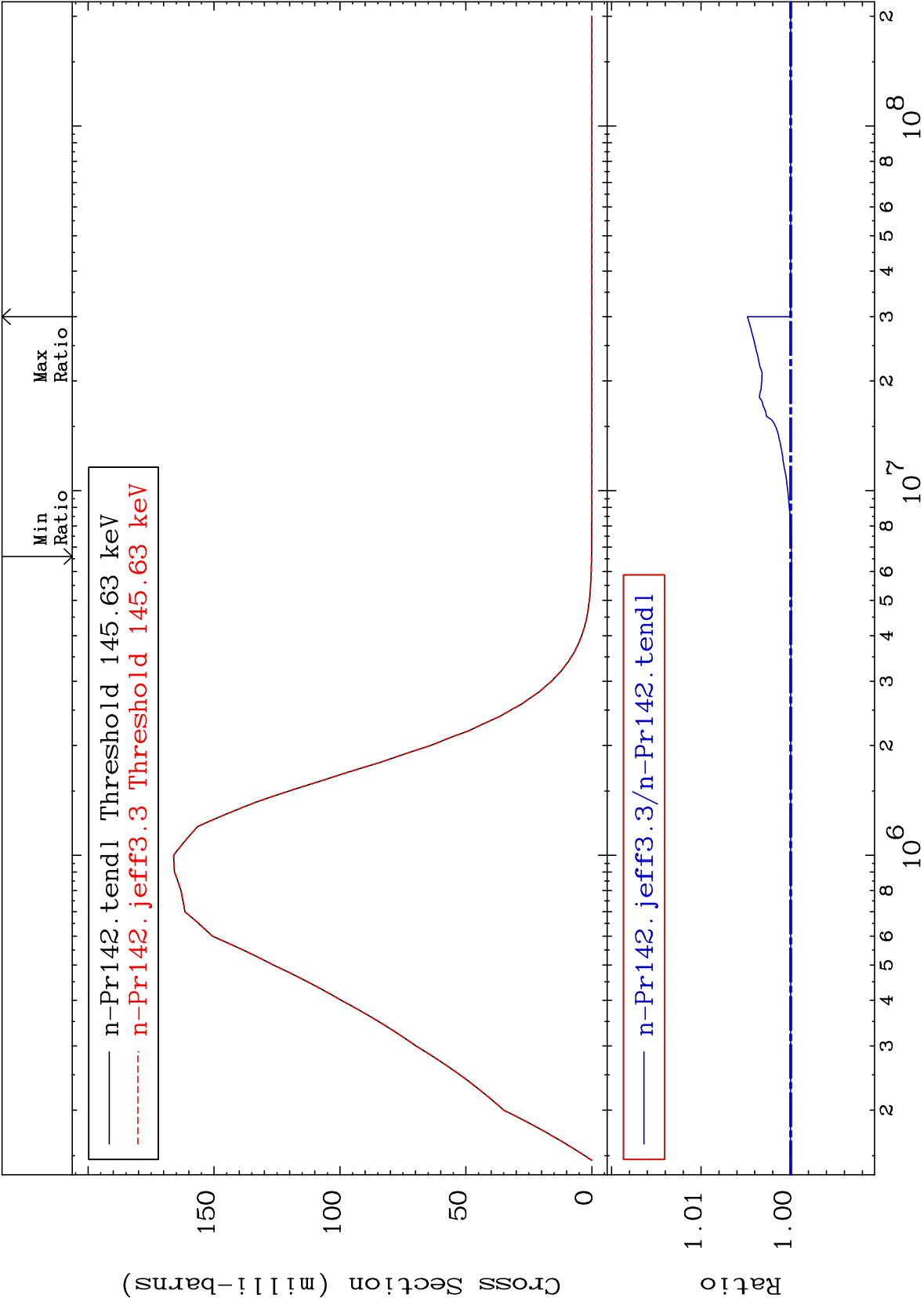
23

Incident Energy (eV)

59-Pr-142

-0.011 To 0.483 %

Cross Section



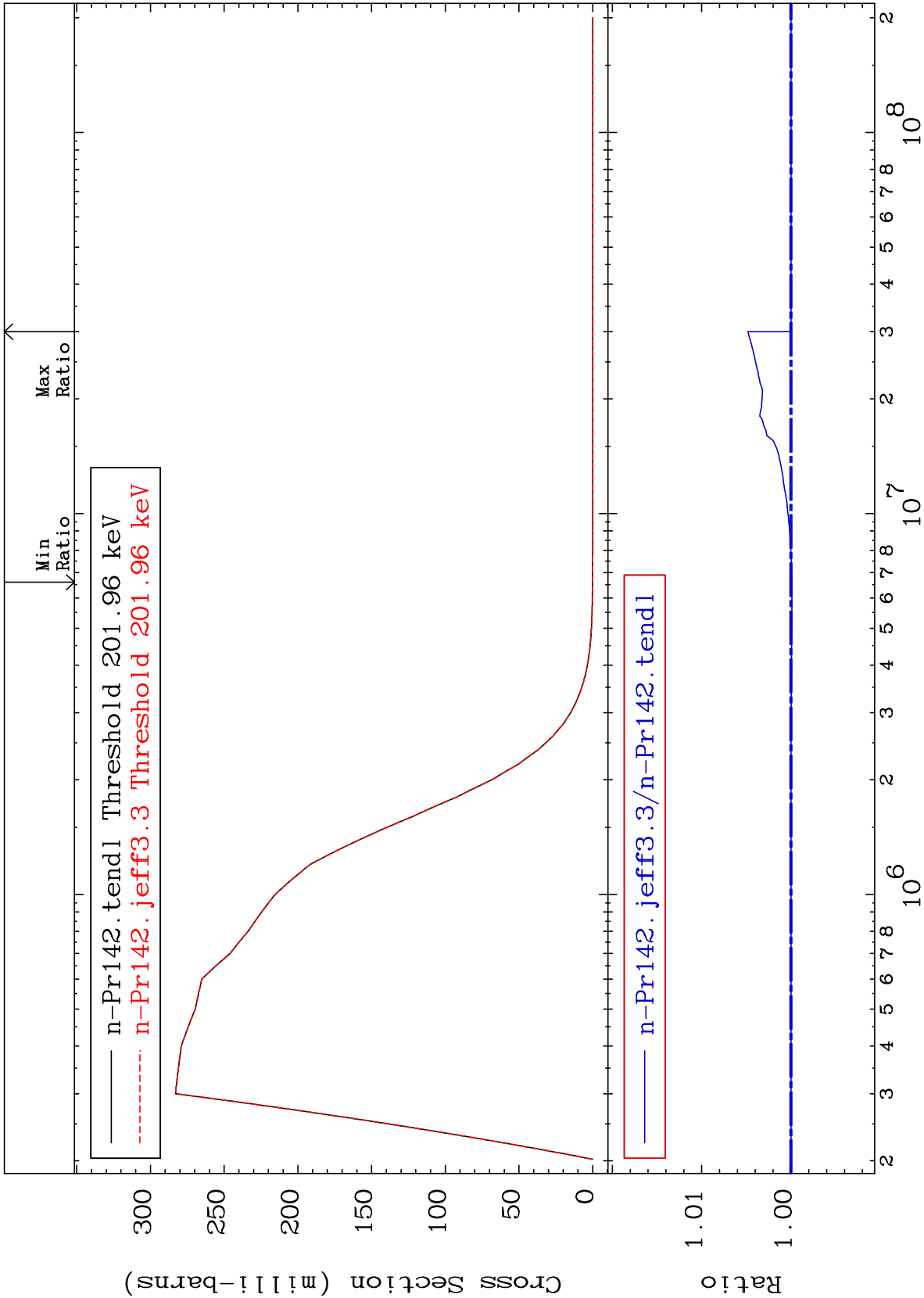
MAT 5928

MT= 61 (n,n') Level

59-Pr-142

Cross Section

-0.011 To 0.483 %



25

Incident Energy (eV)

59-Pr-142

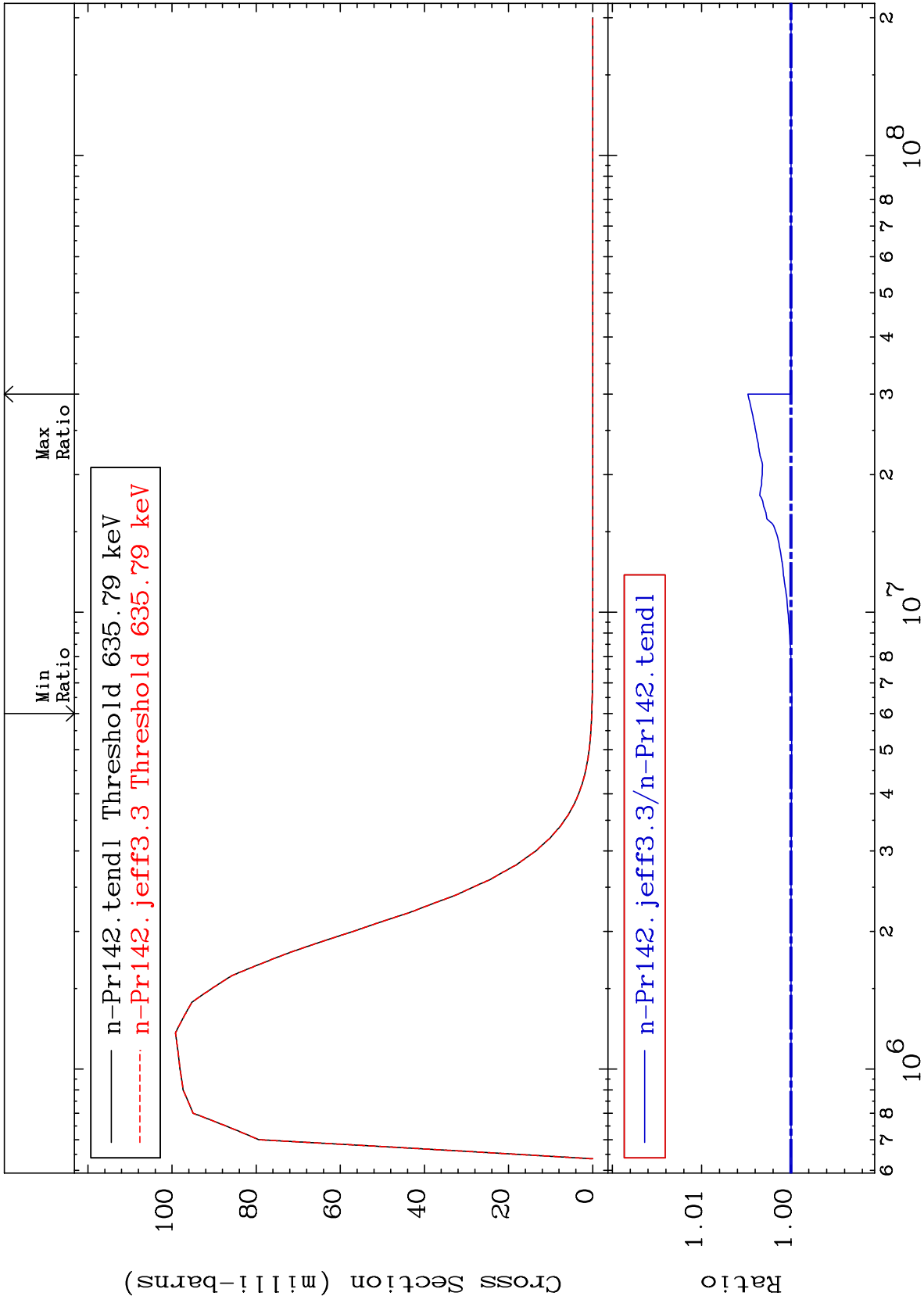
MAT 5928

MT= 63 (n,n') Level

59-Pr-142

-0.011 To 0.483 %

Cross Section



26

Incident Energy (eV)

59-Pr-142

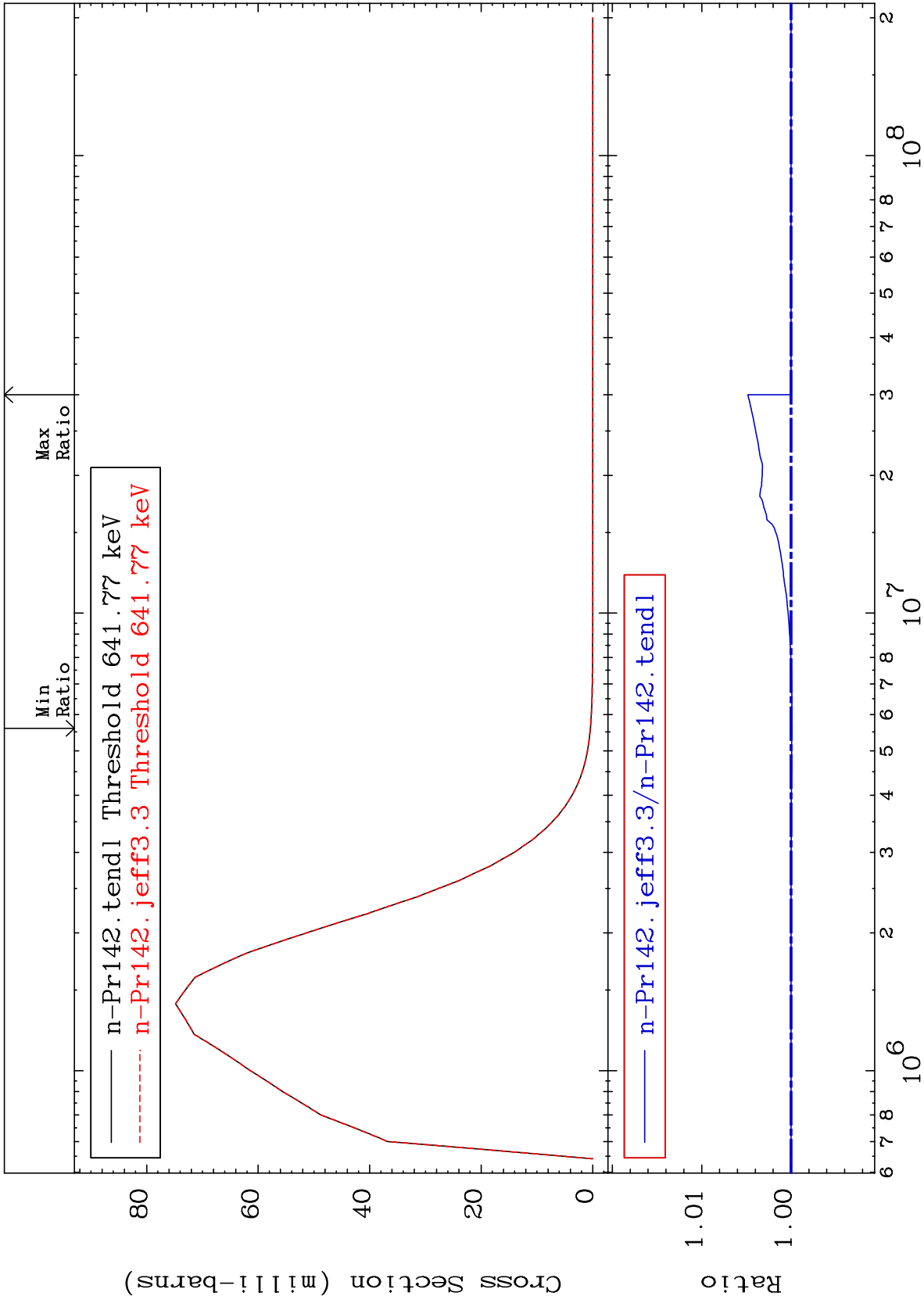
MAT 5928

MT= 64 (n,n') Level

59-Pr-142

Cross Section

-0.010 To 0.483 %



27

Incident Energy (eV)

59-Pr-142

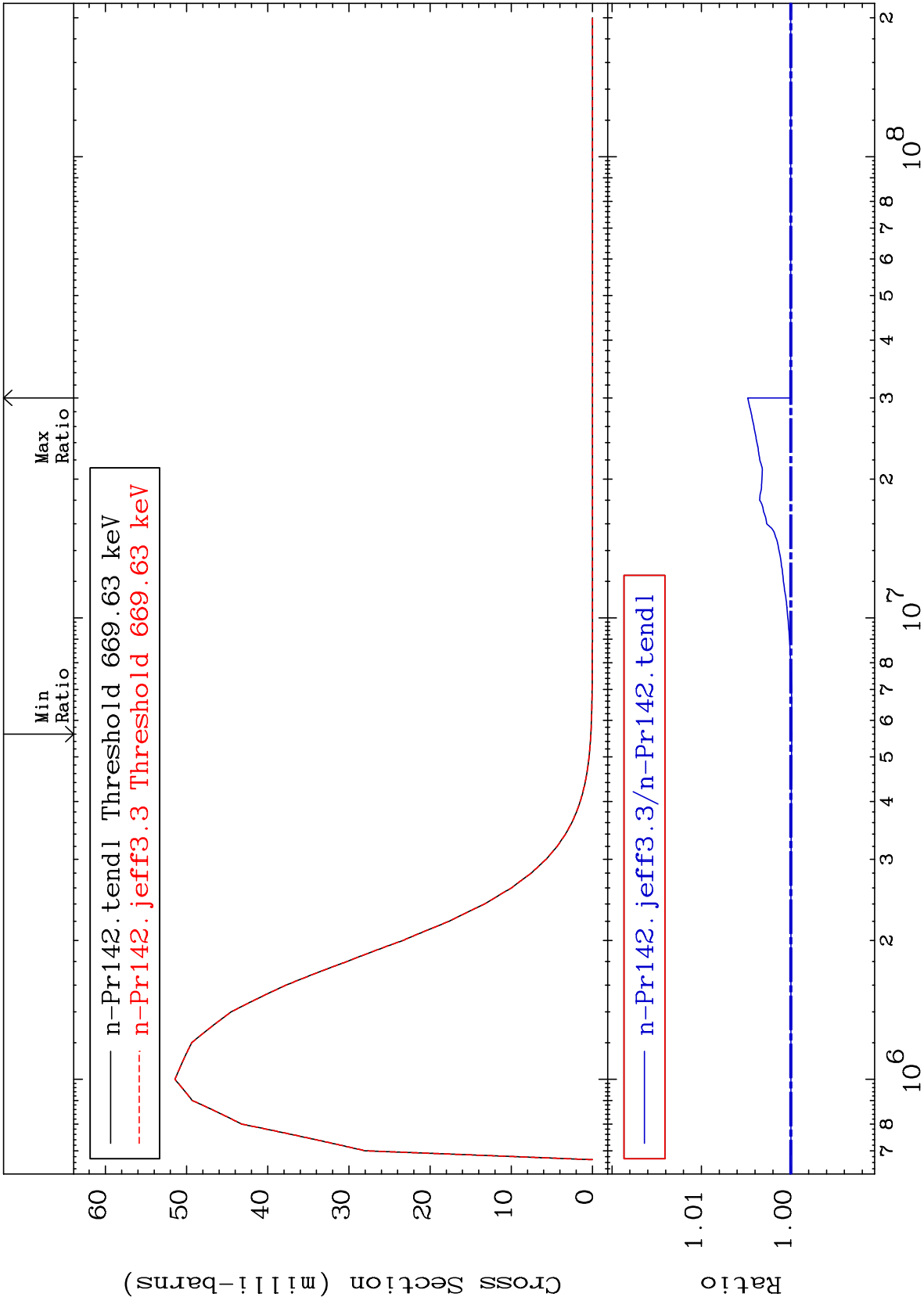
MAT 5928

MT= 65 (n,n') Level

59-Pr-142

-0.012 To 0.483 %

Cross Section



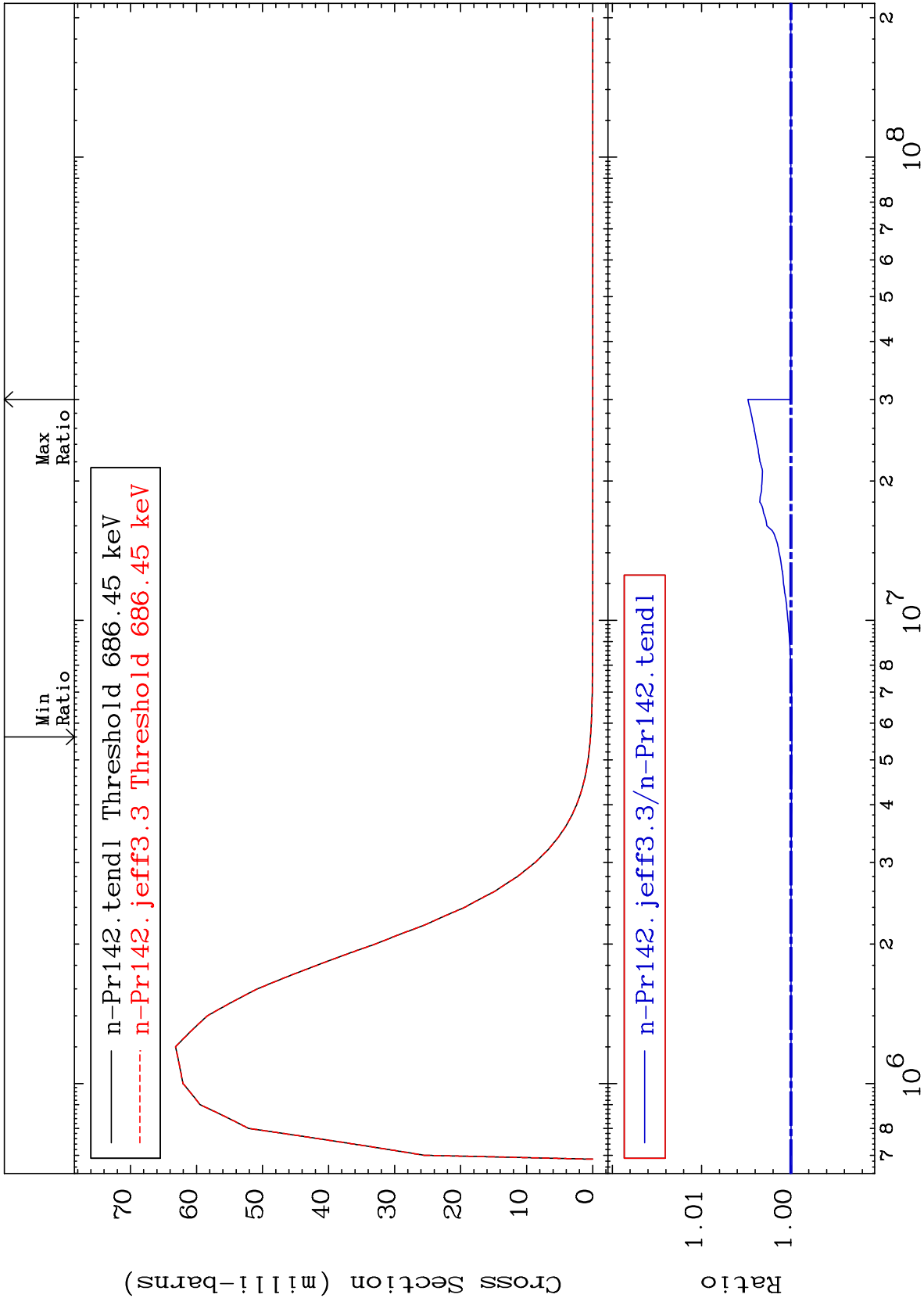
MAT 5928

MT= 66 (n,n') Level

59-Pr-142

Cross Section

-0.011 To 0.482 %



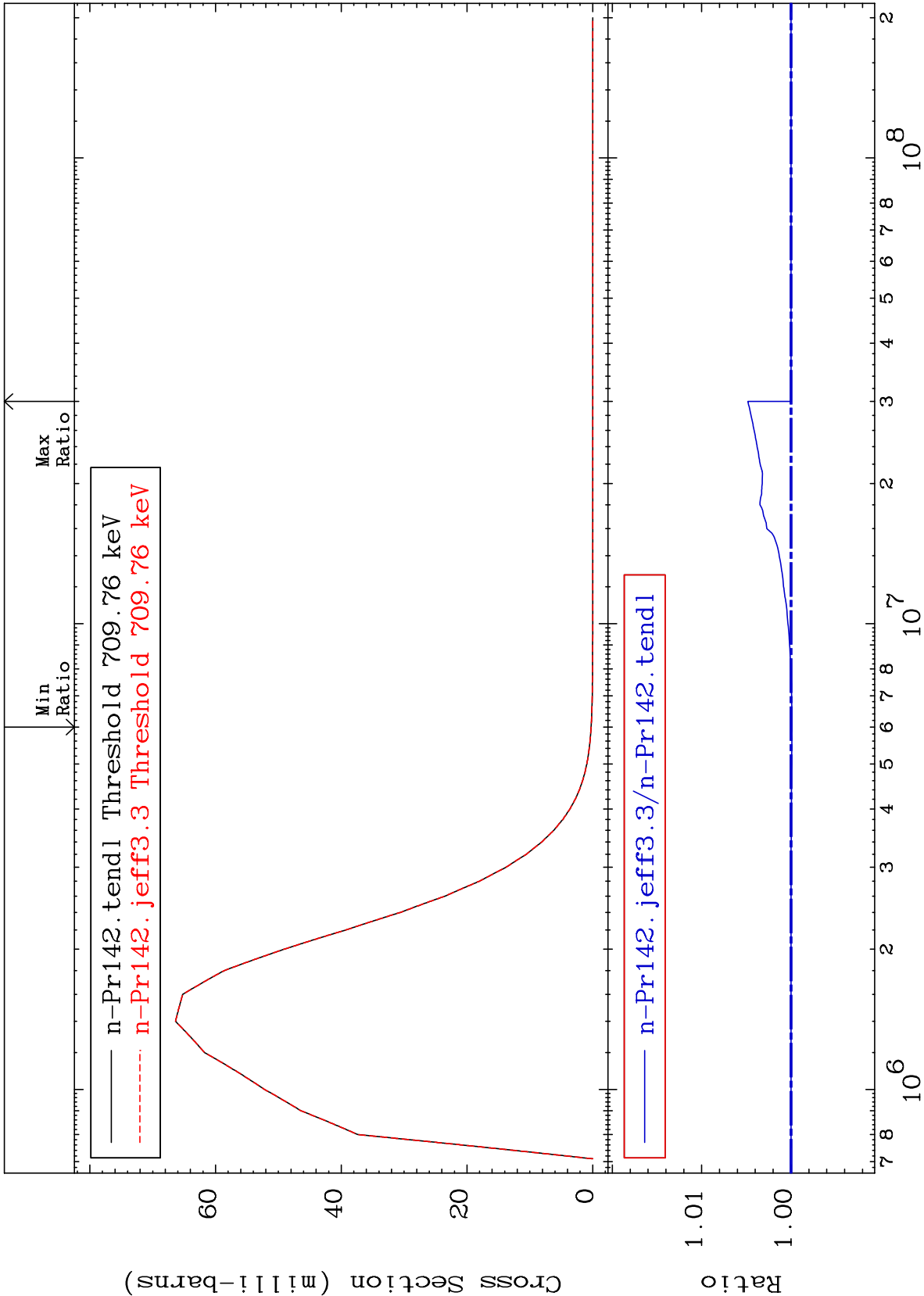
MAT 5928

MT= 68 (n,n') Level

59-Pr-142

Cross Section

-0.010 To 0.483 %



30

Incident Energy (eV)

59-Pr-142

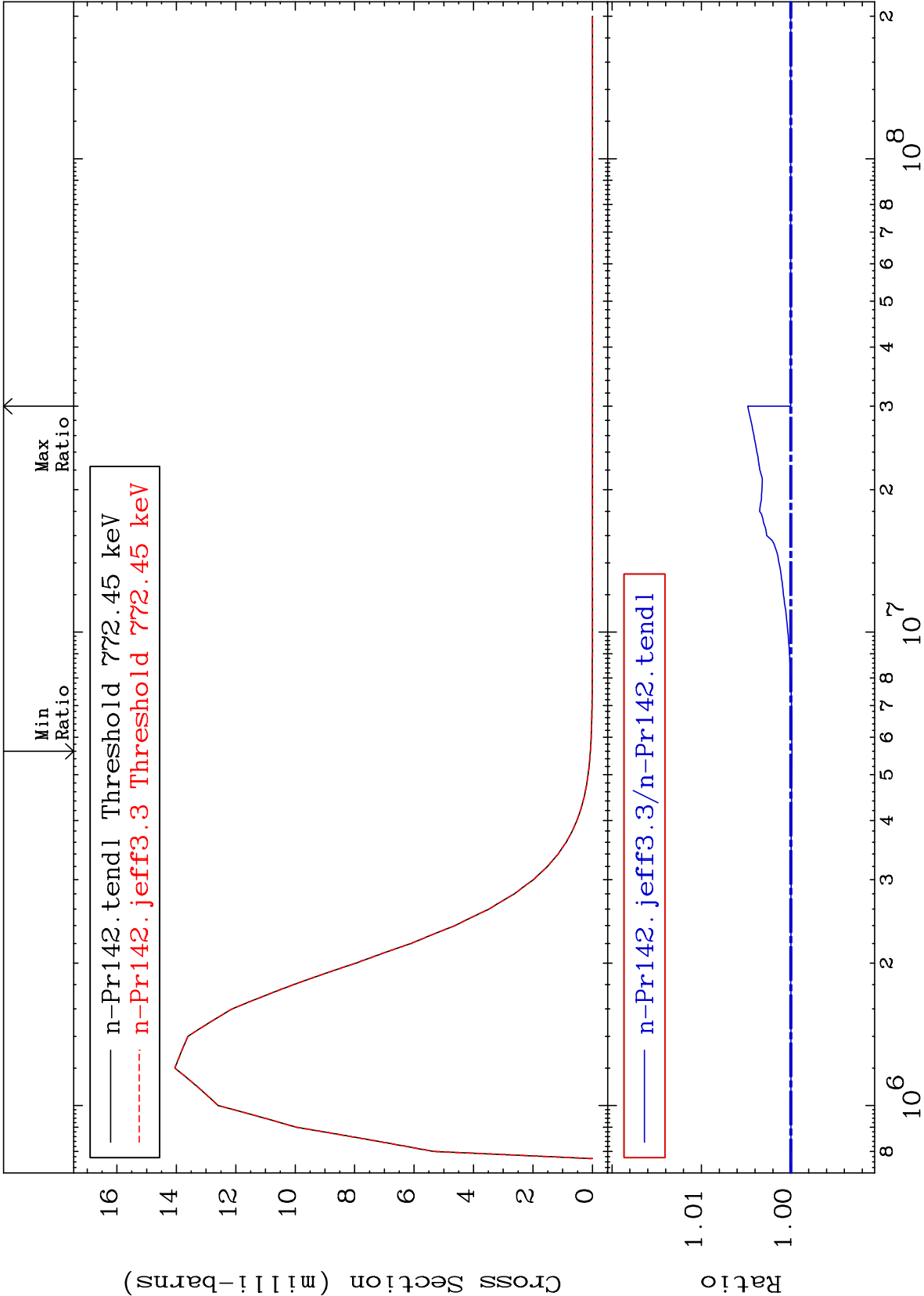
MAT 5928

MT= 70 (n,n') Level

59-Pr-142

-0.012 To 0.483 %

Cross Section



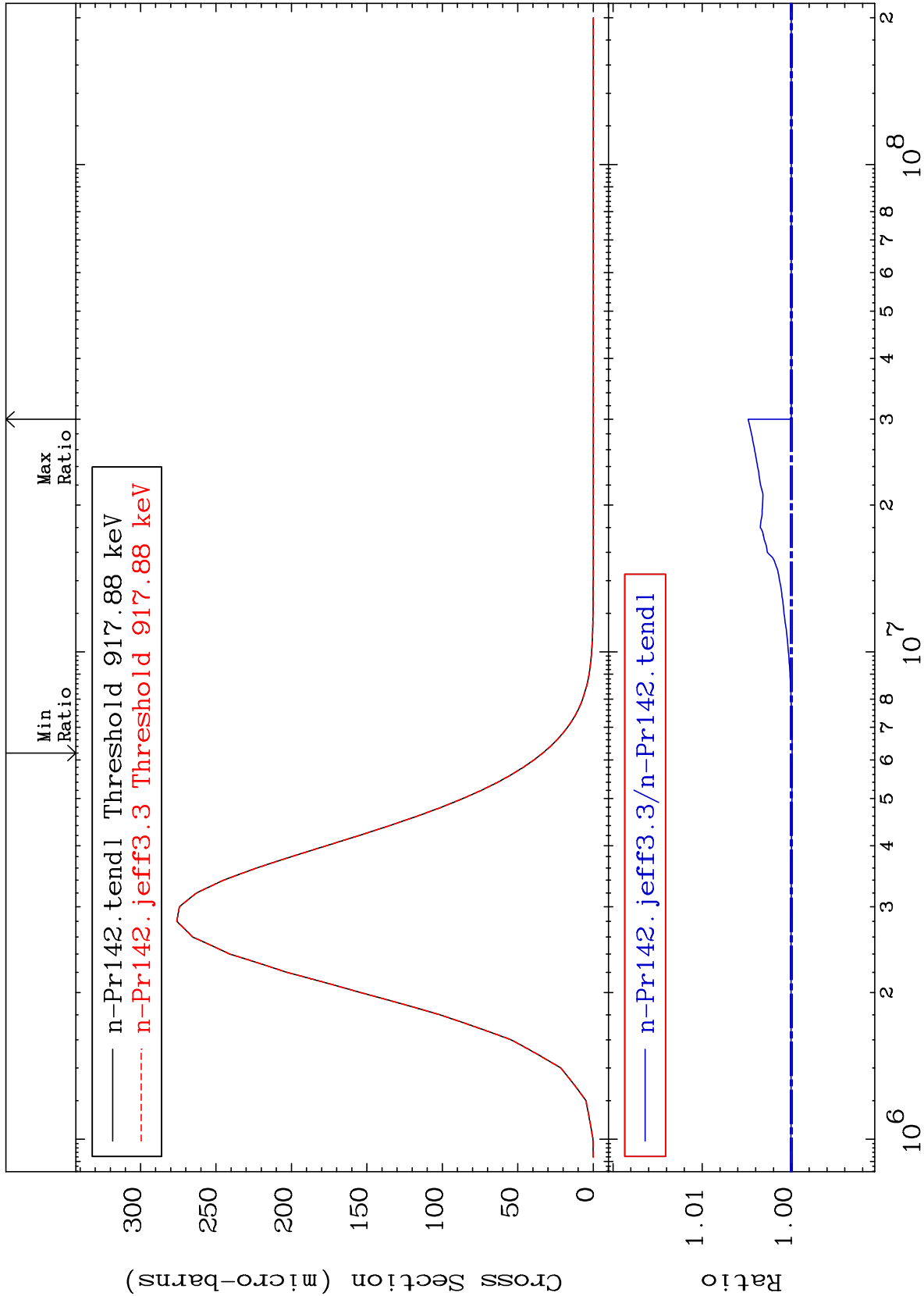
MAT 5928

MT= 74 (n,n') Level

59-Pr-142

Cross Section

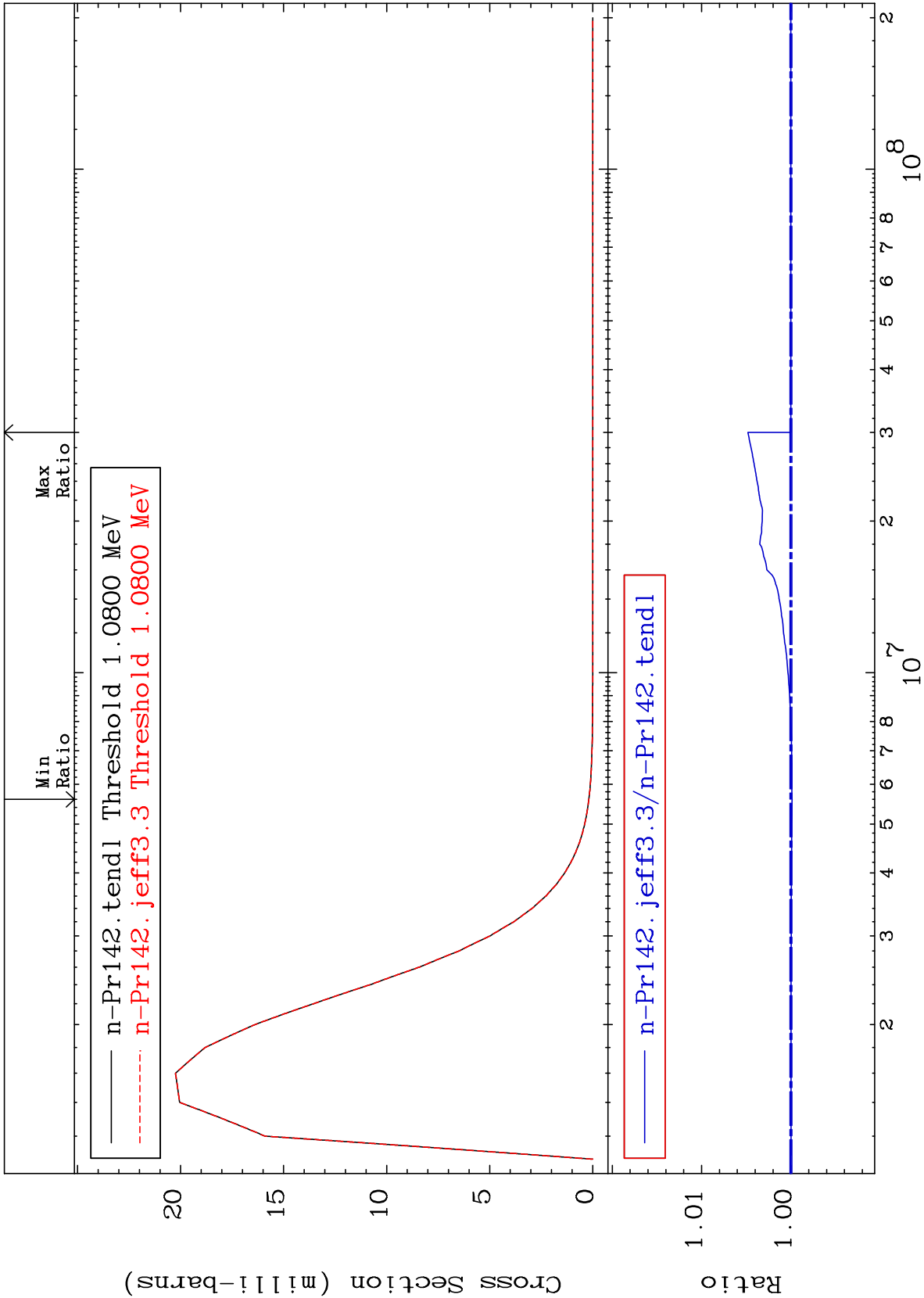
-0.008 To 0.483 %



32

Incident Energy (eV)

59-Pr-142



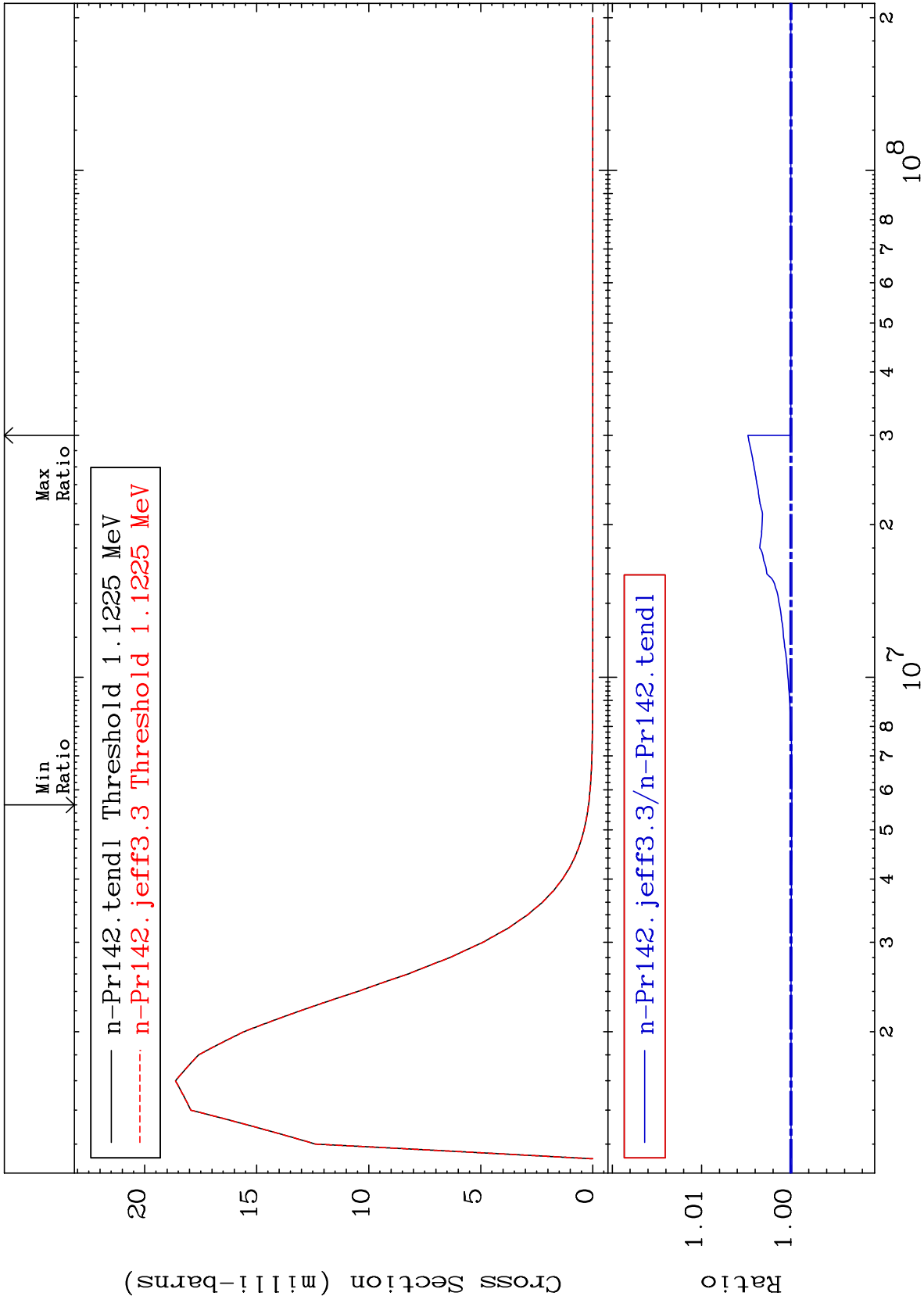
MAT 5928

MT= 79 (n,n') Level

59-Pr-142

-0.012 To 0.483 %

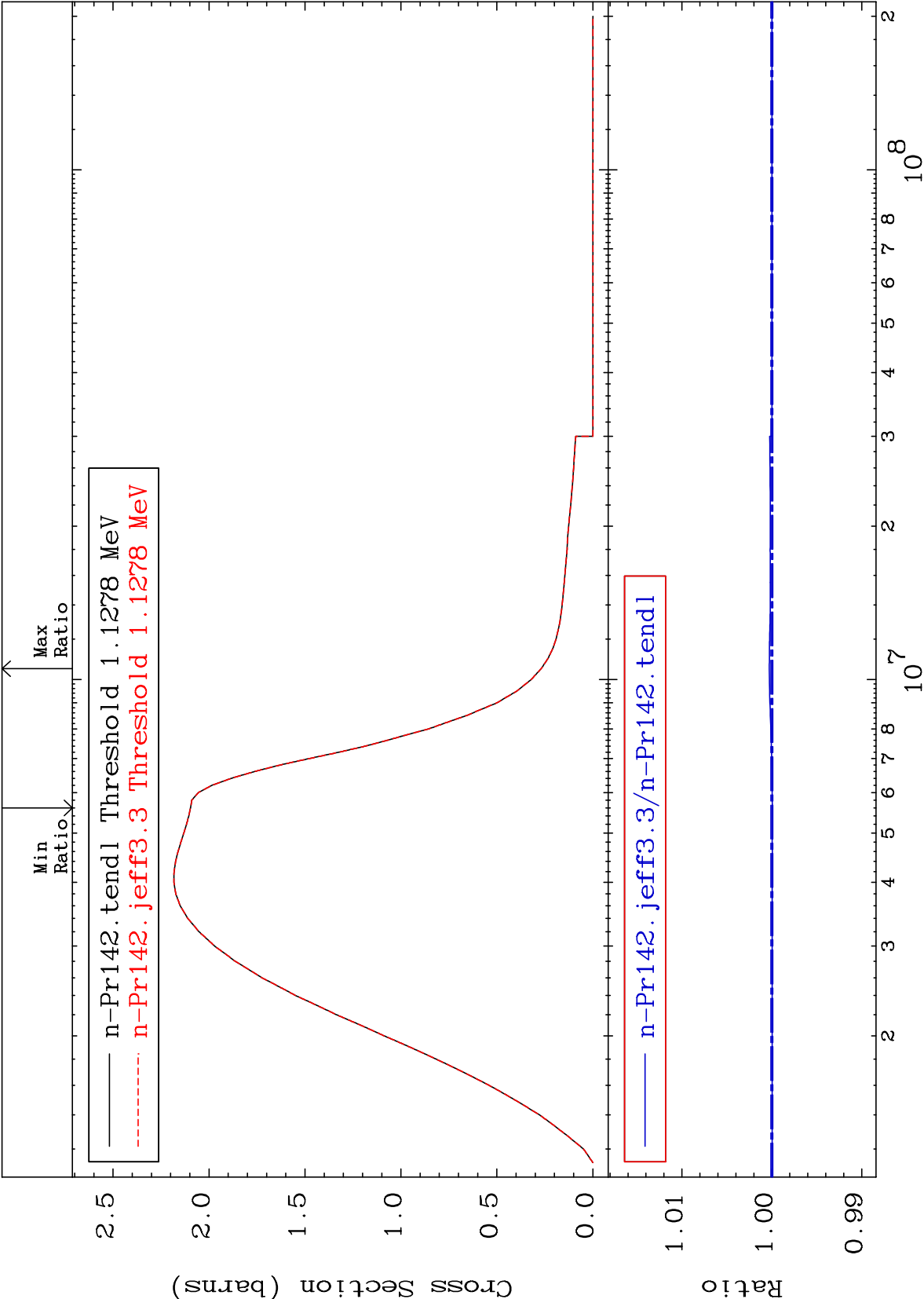
Cross Section

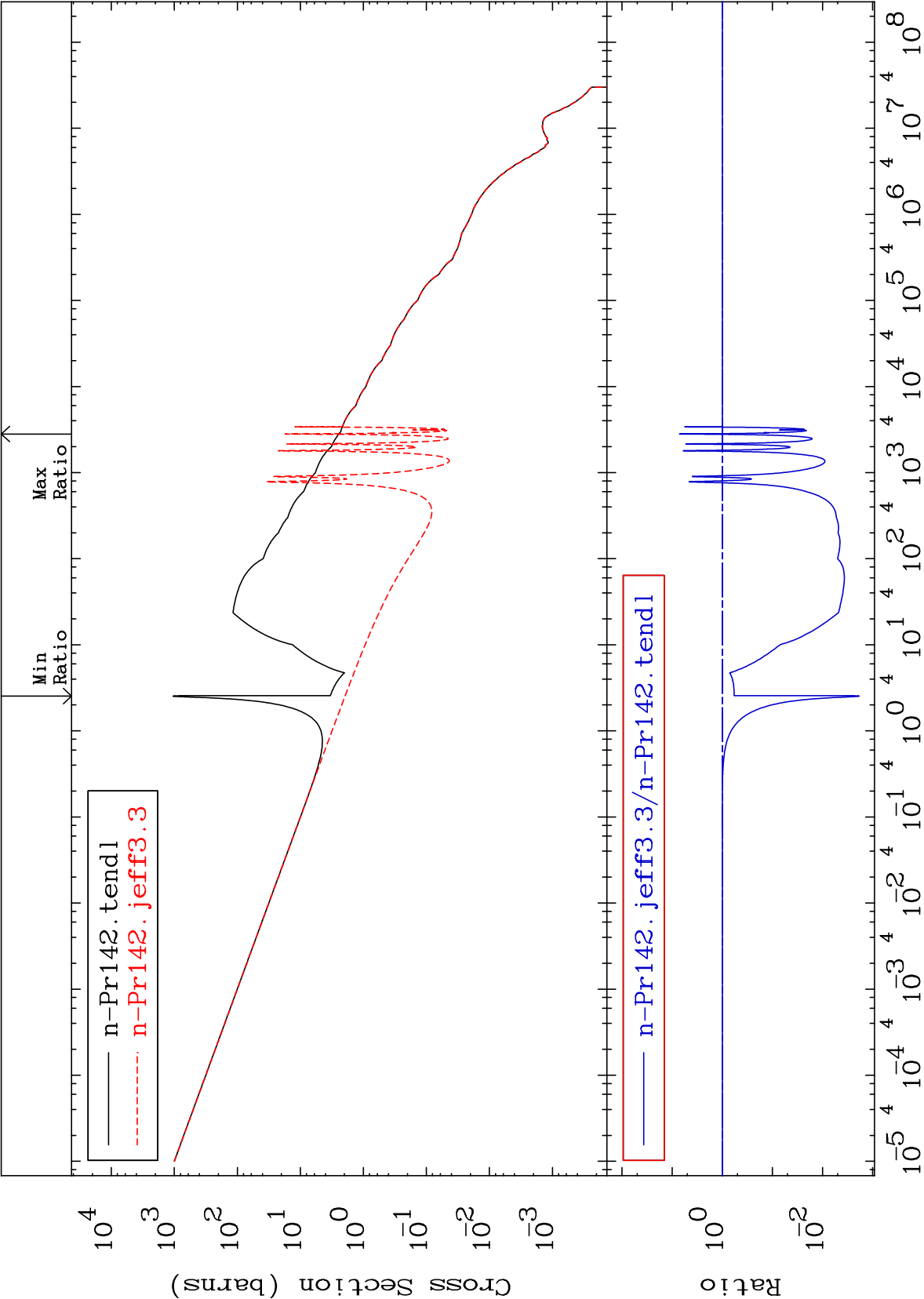


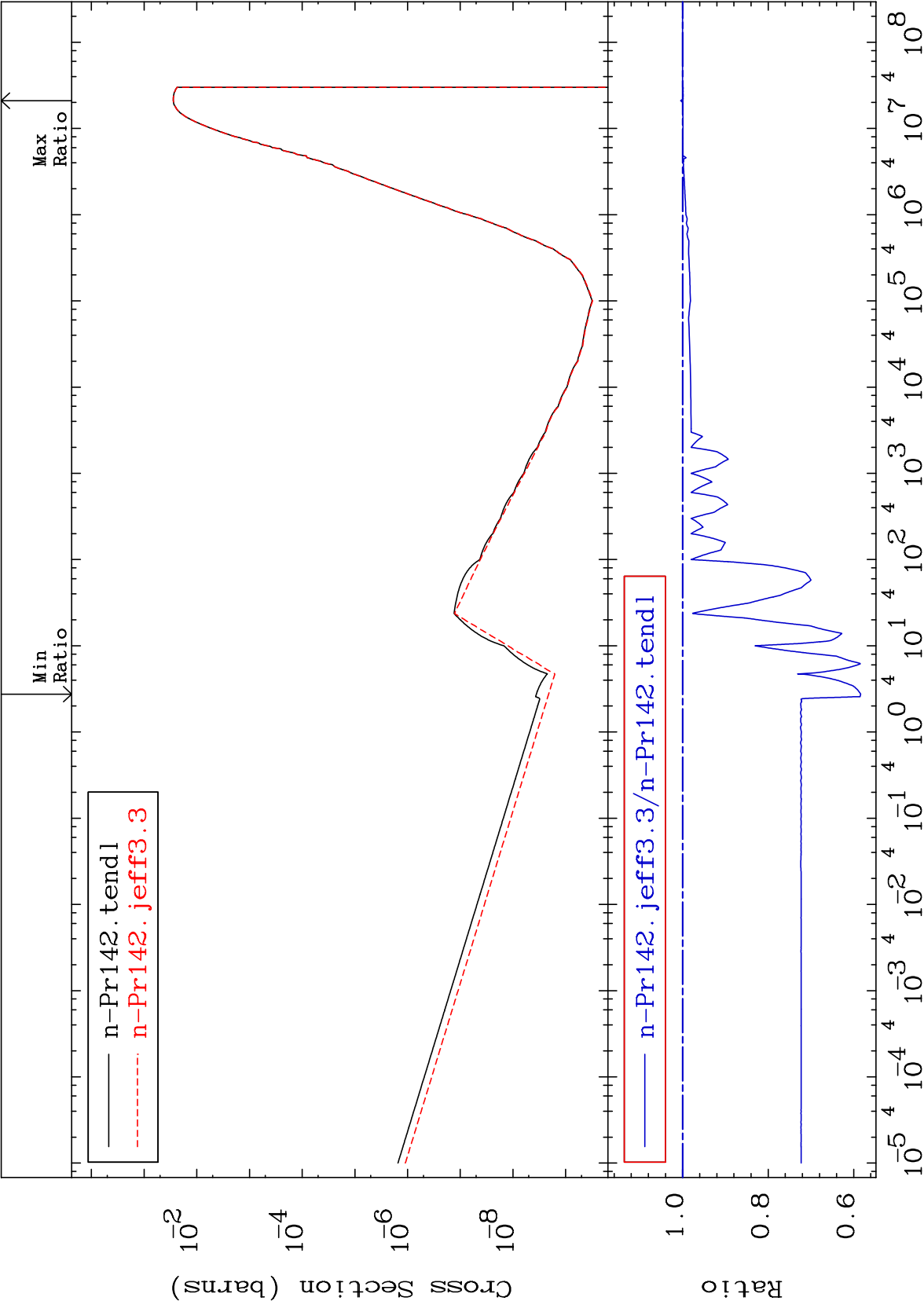
34

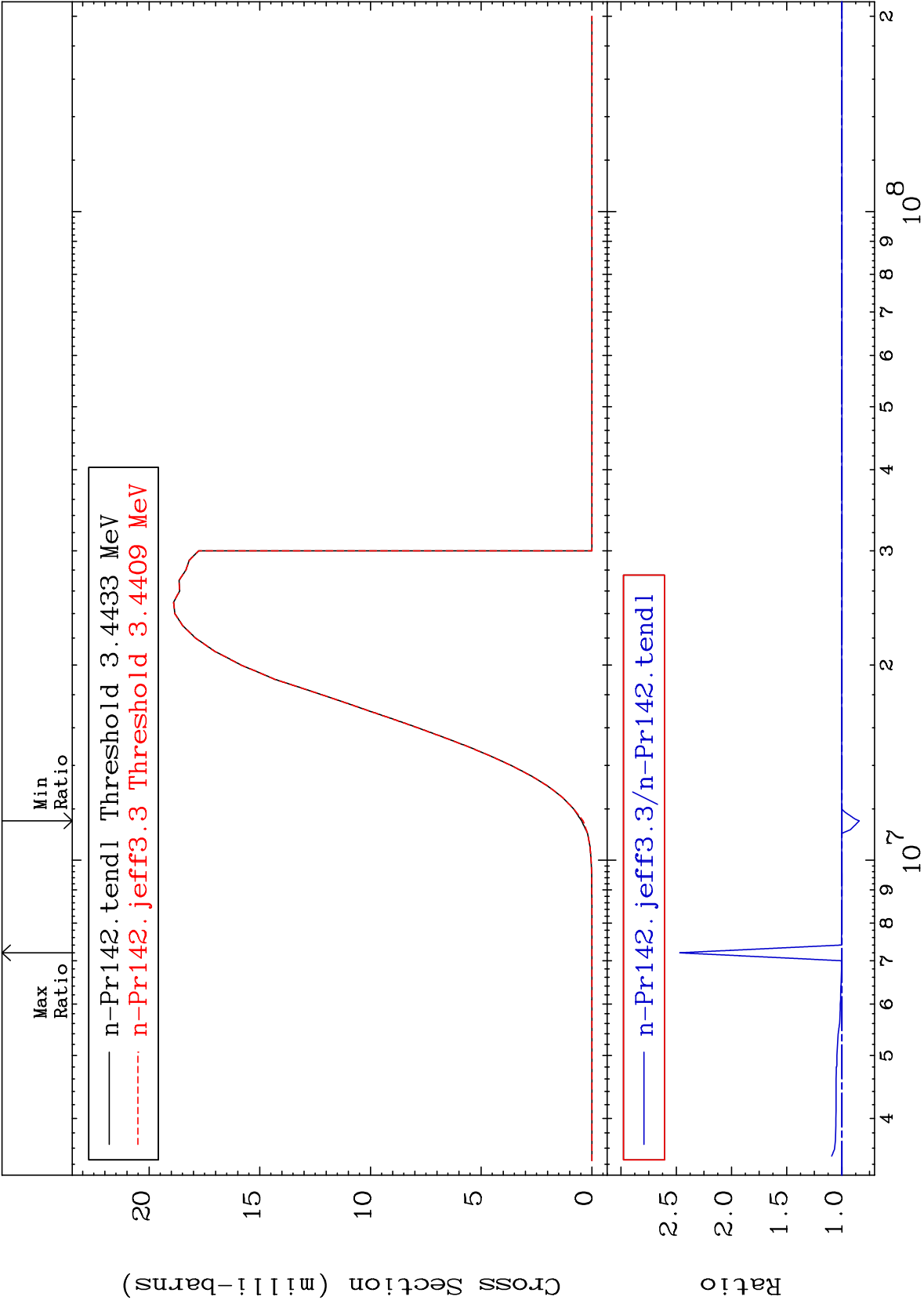
Incident Energy (eV)

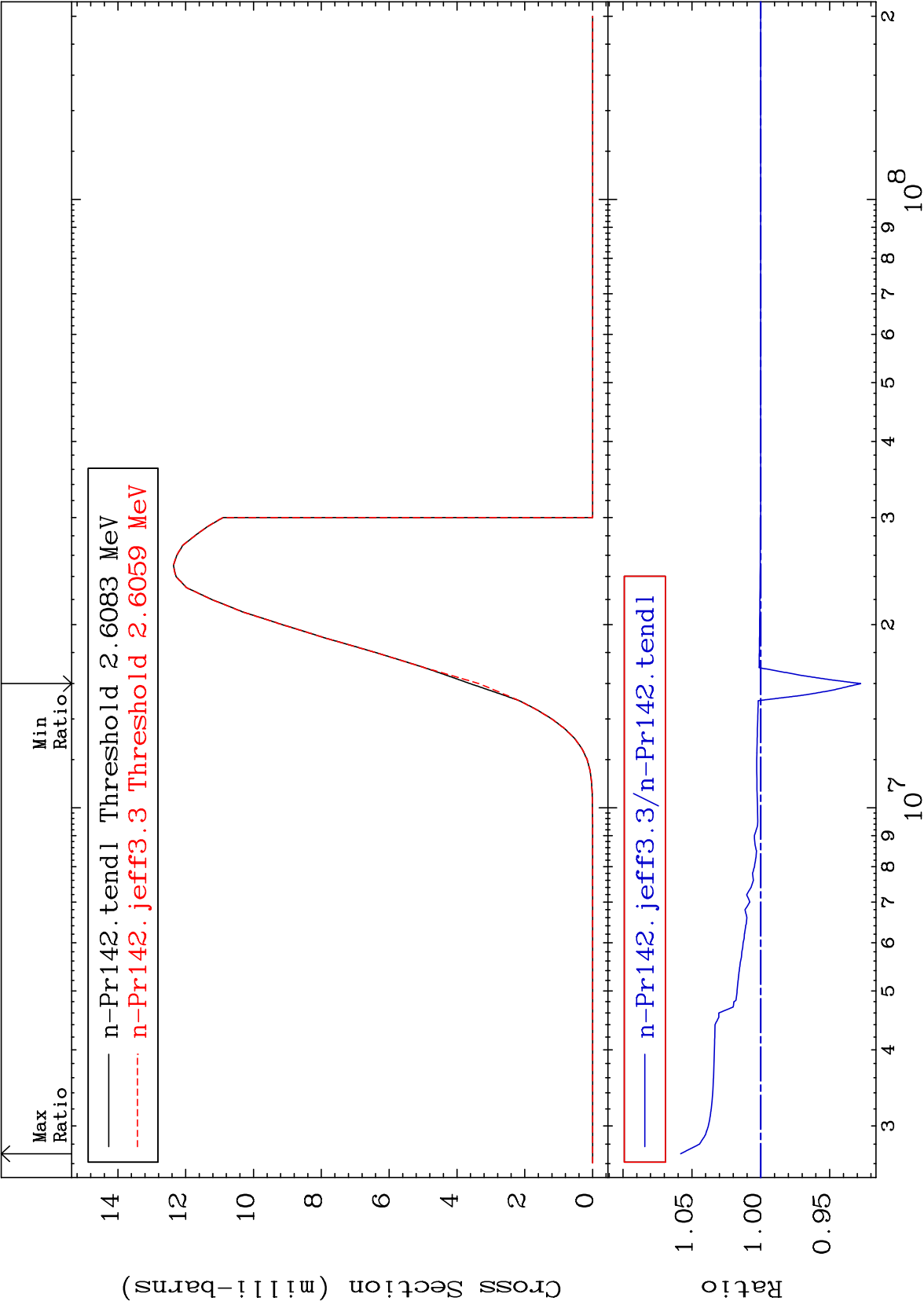
59-Pr-142











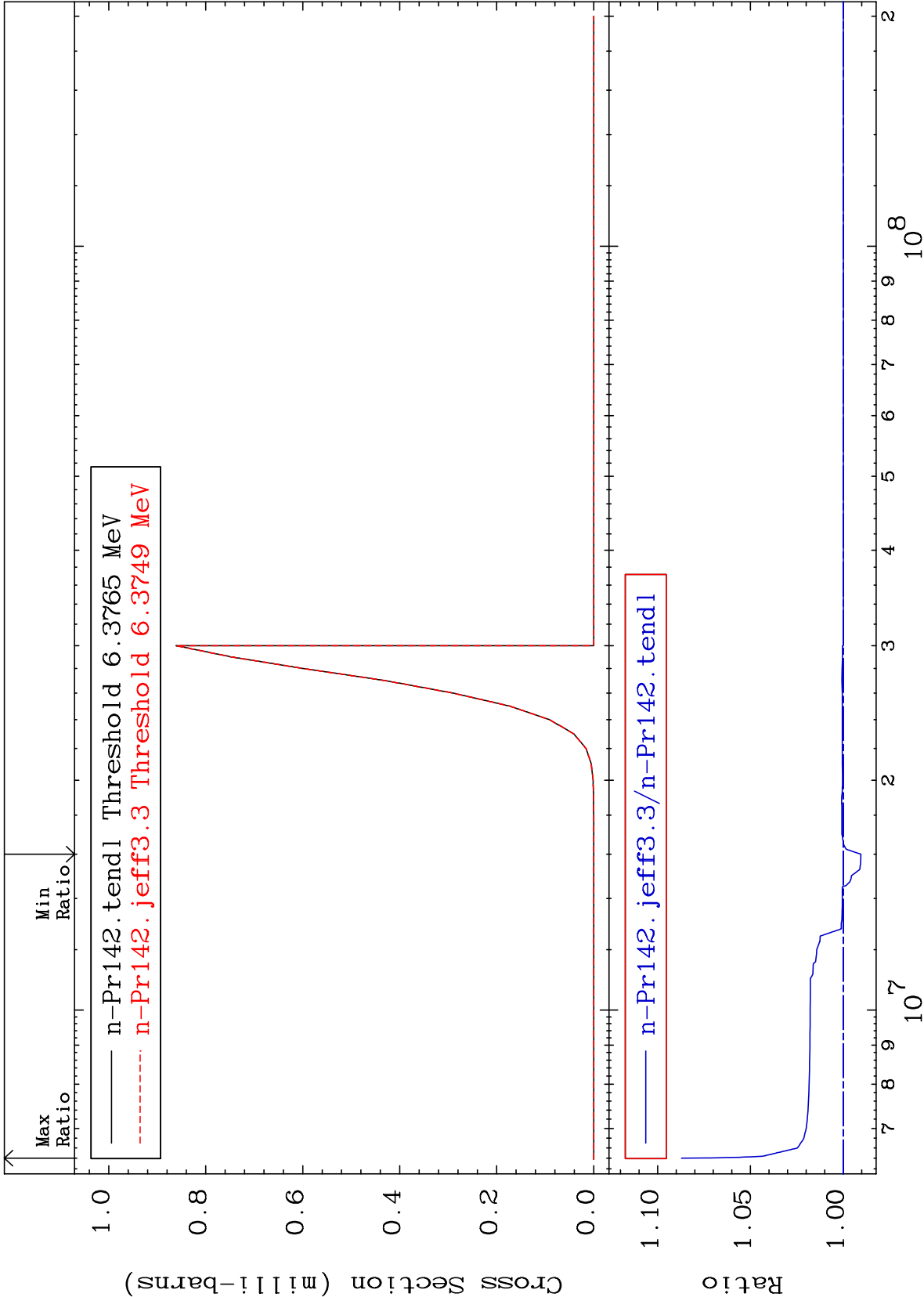
MAT 5928

(n,He-3)

59-Pr-142

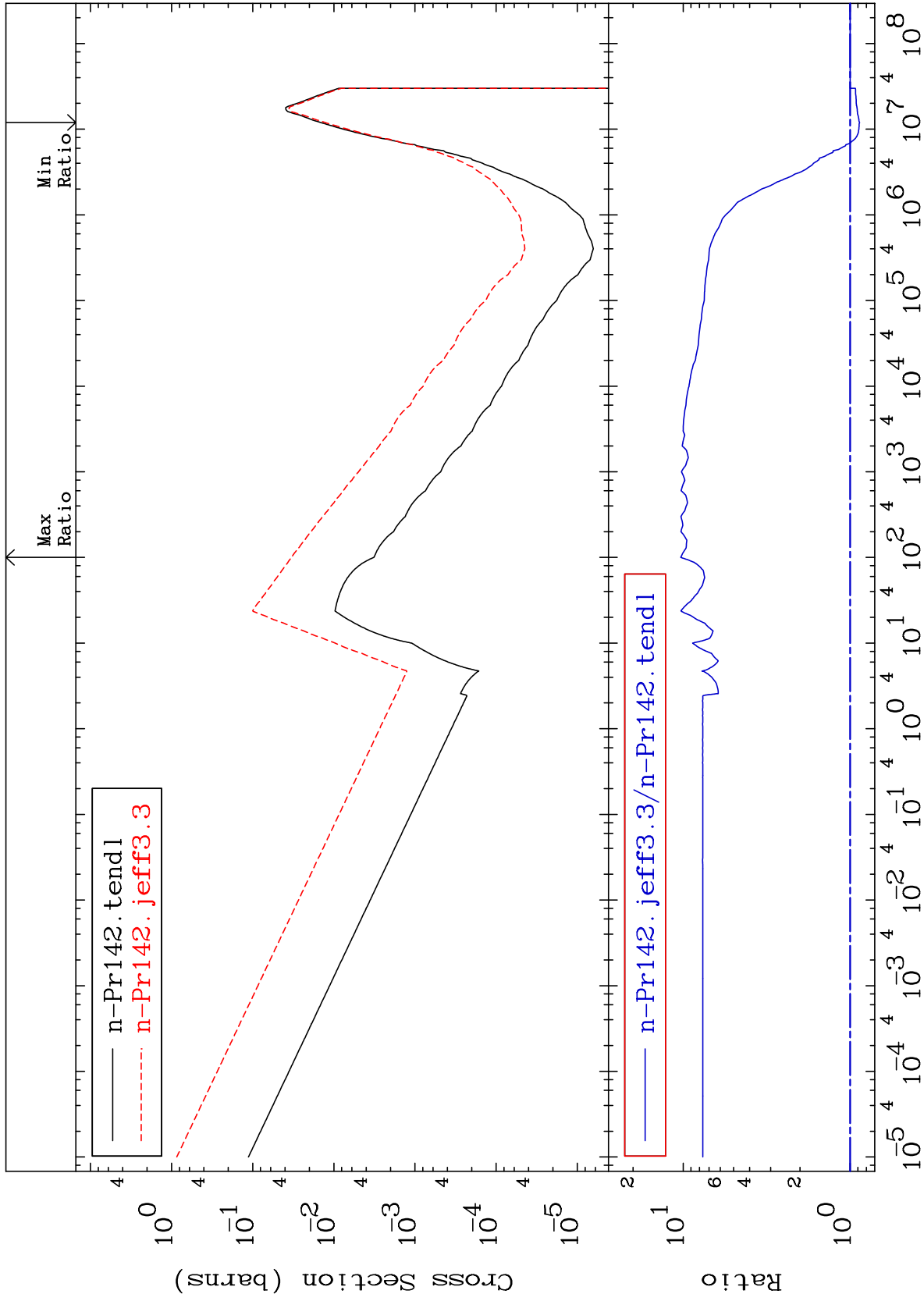
Cross Section

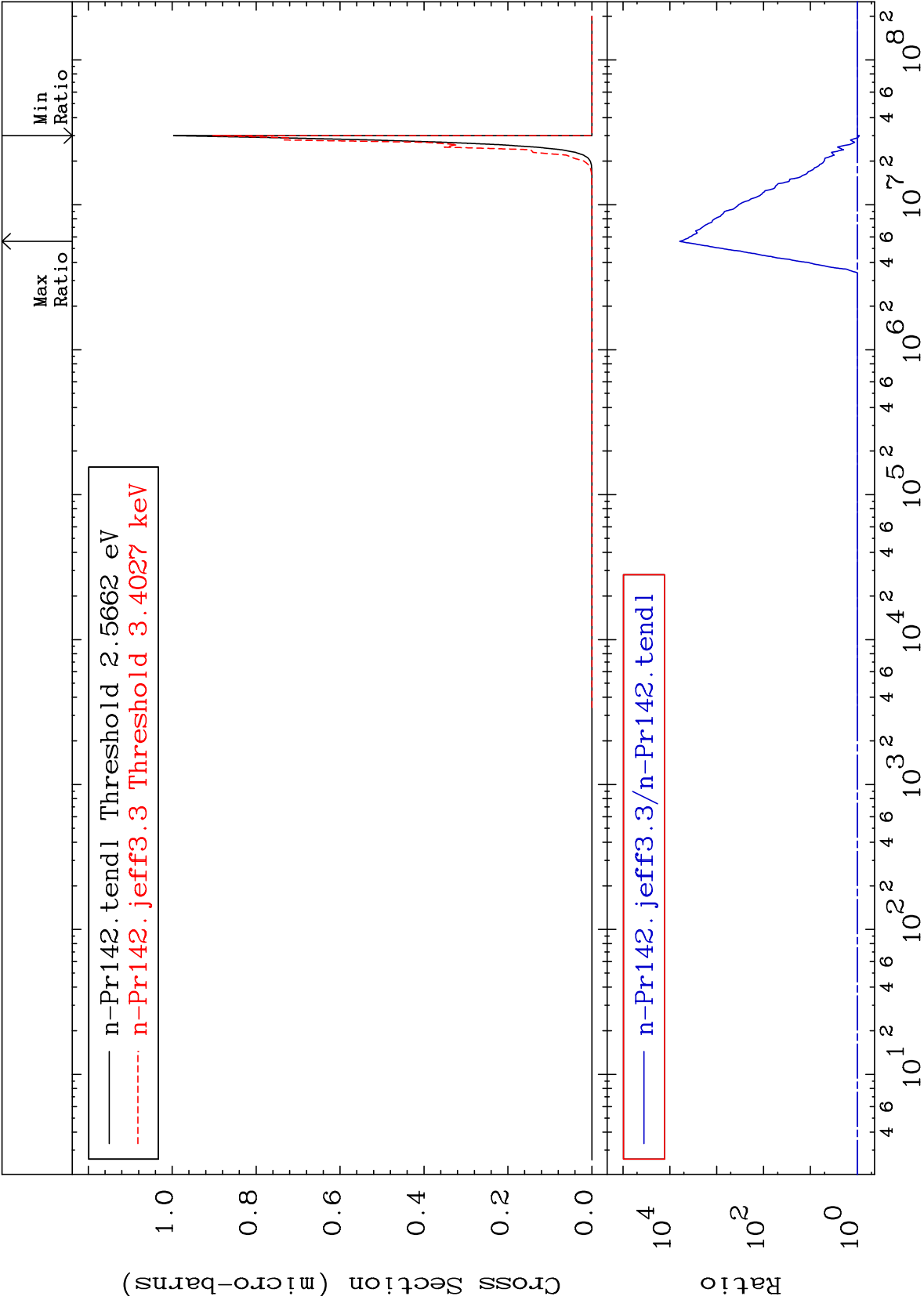
-0.950 To 8.713 %

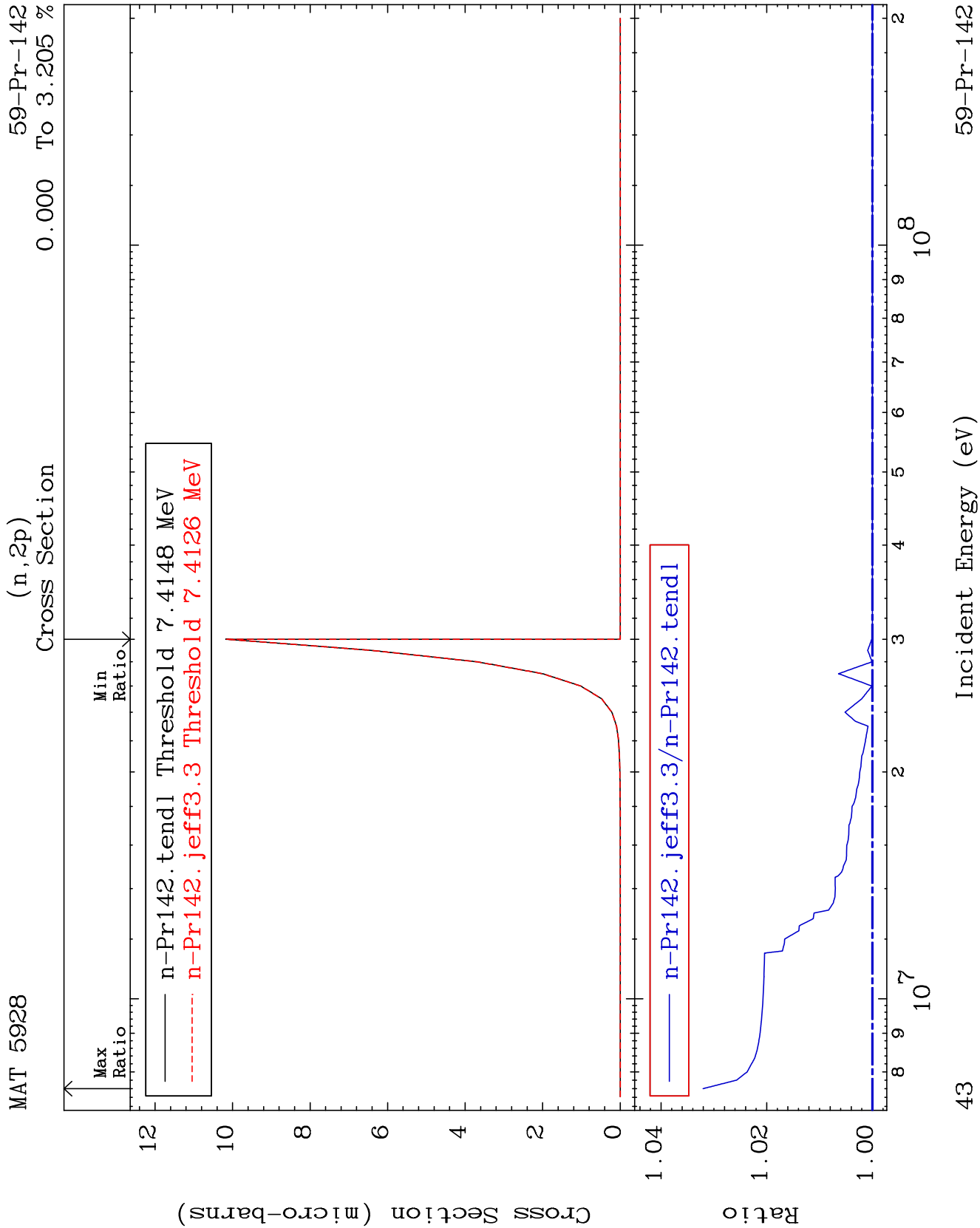


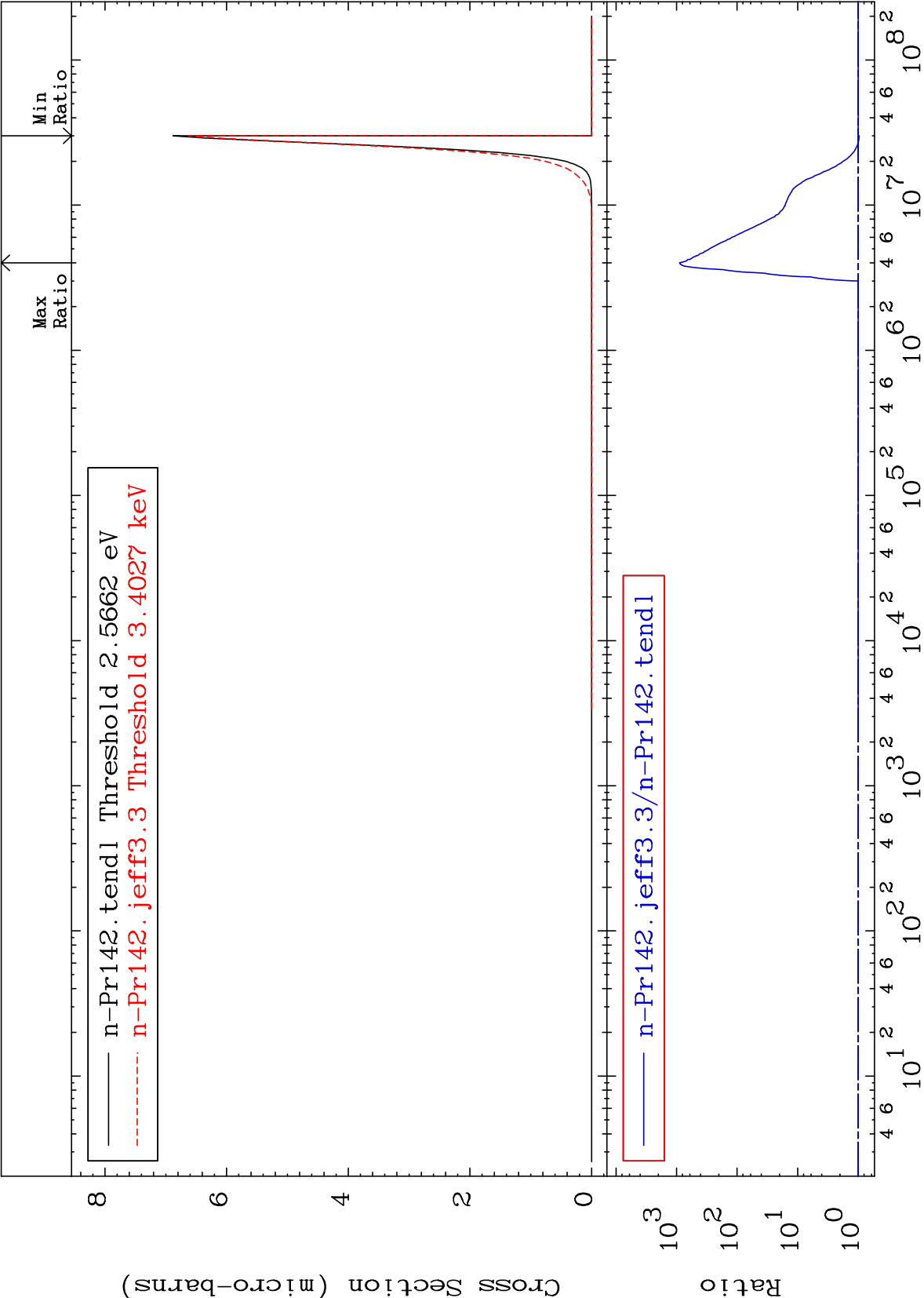
(n, α)
Cross Section

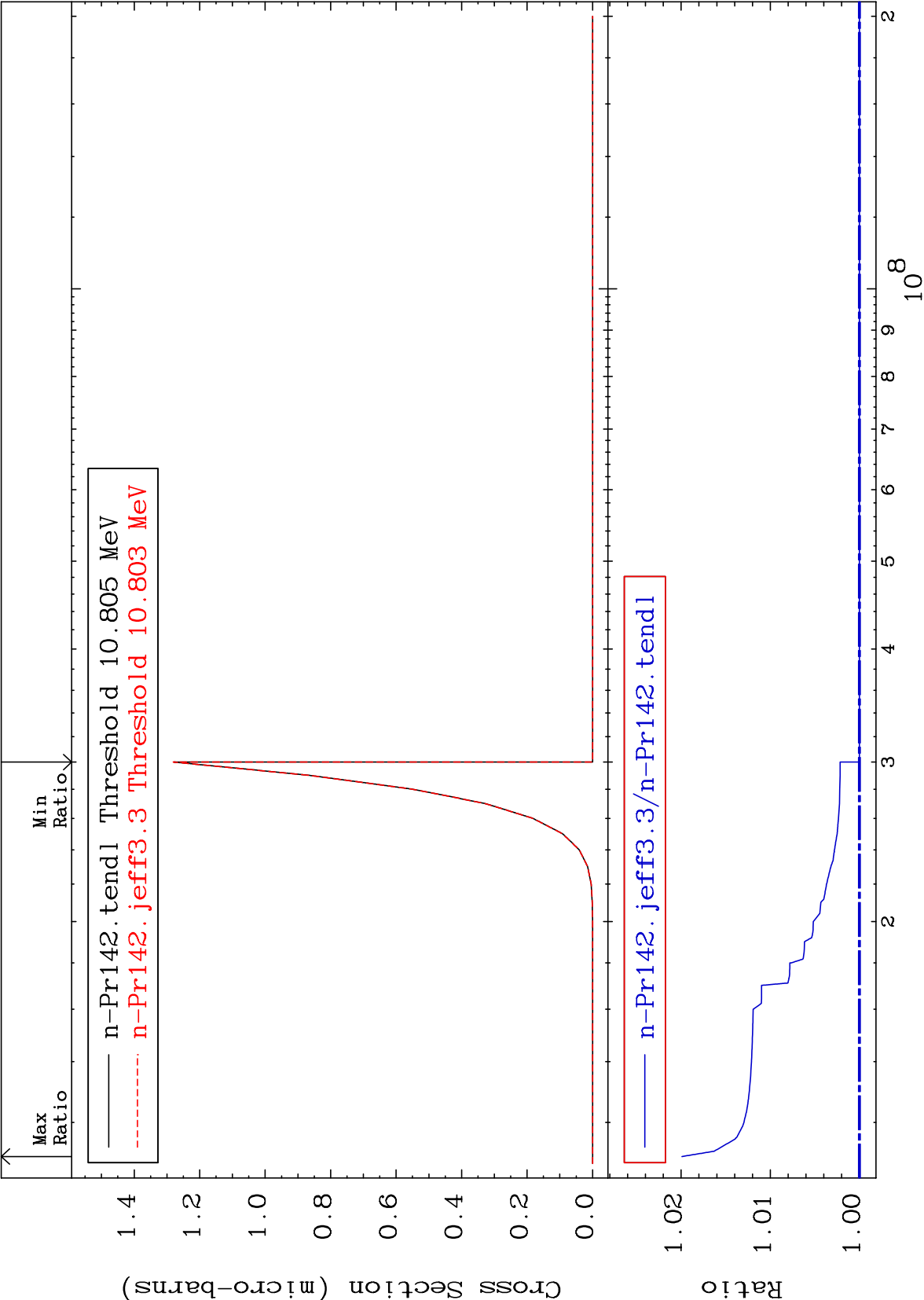
-12.05 To 935.1 %

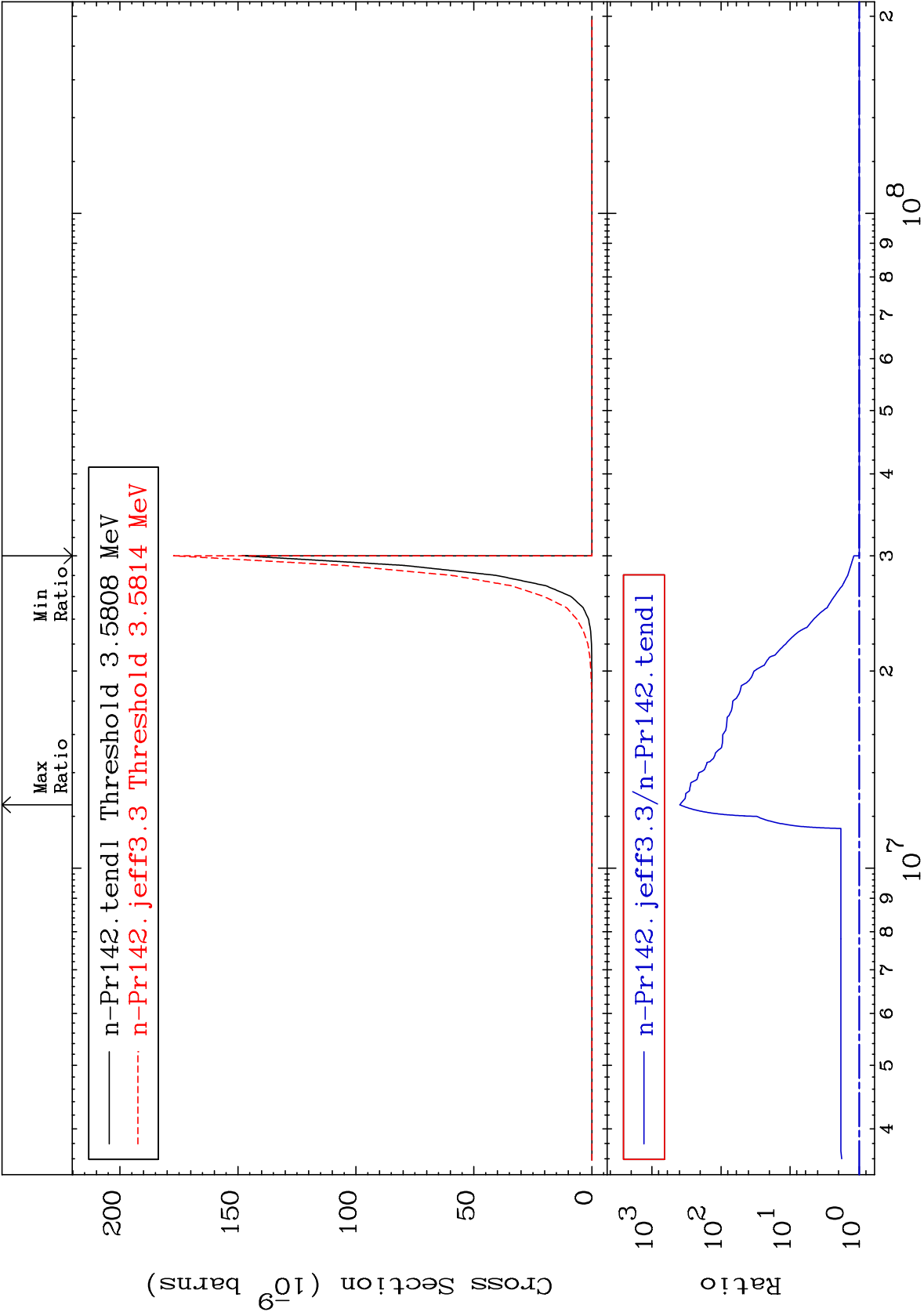


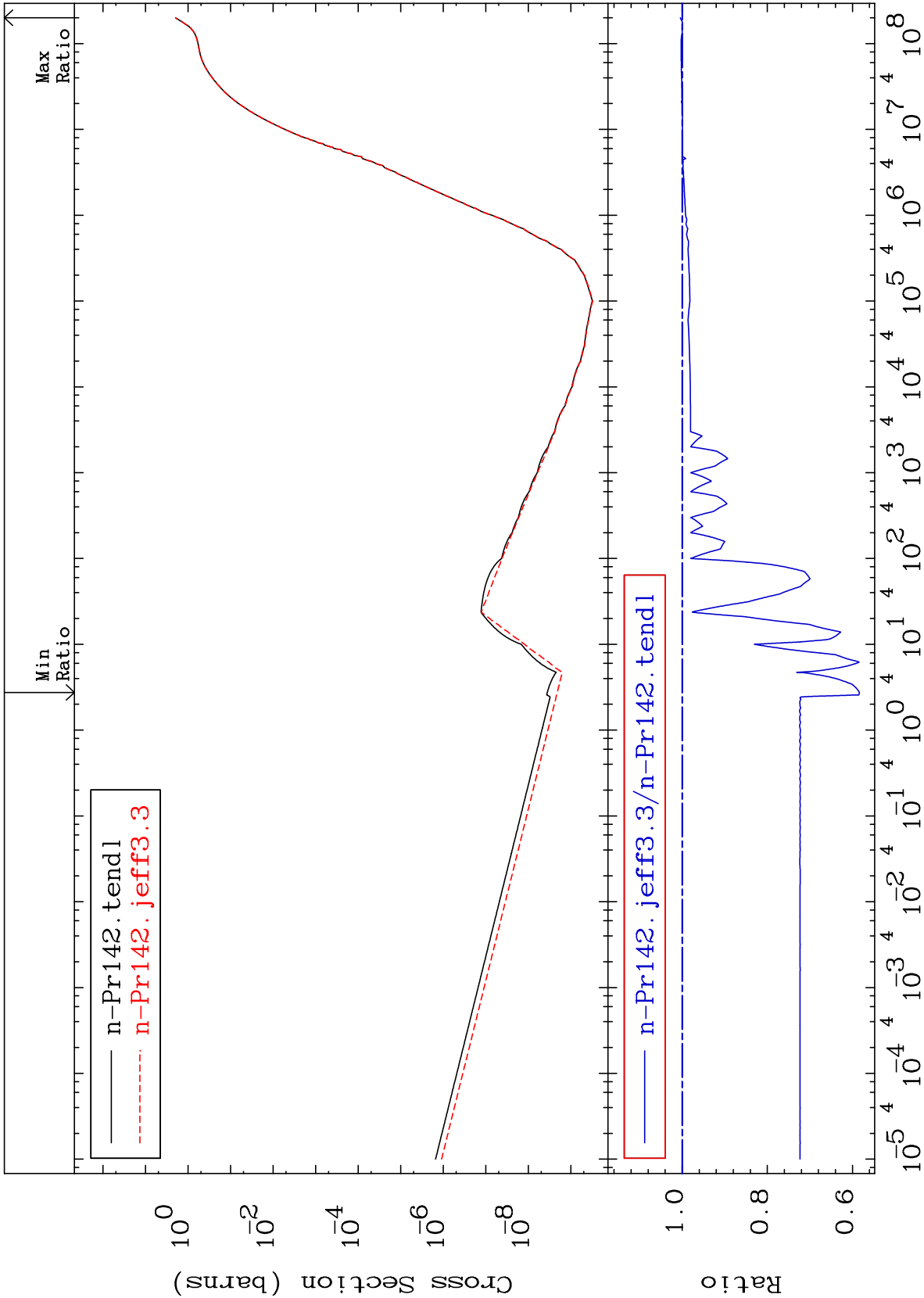


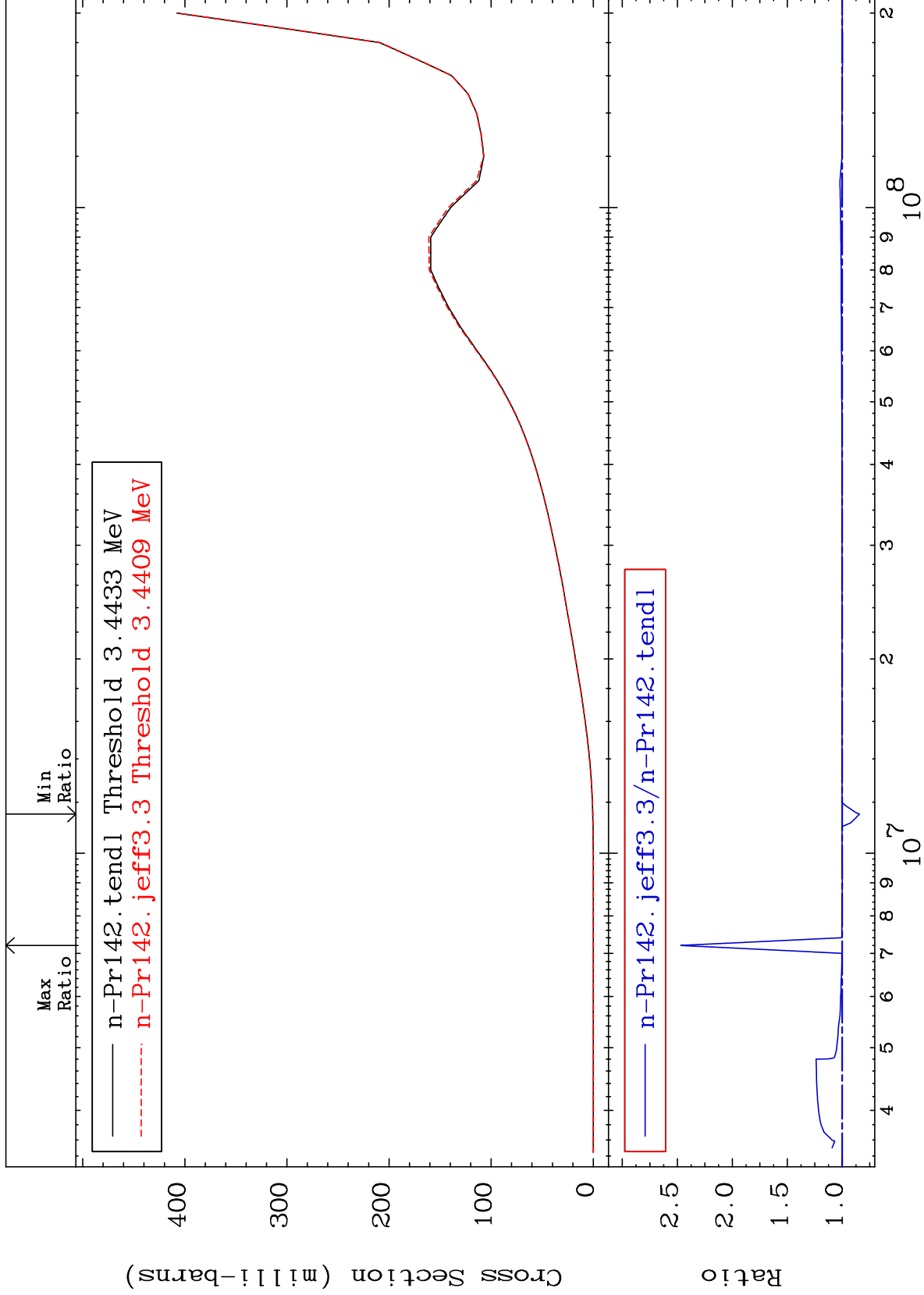








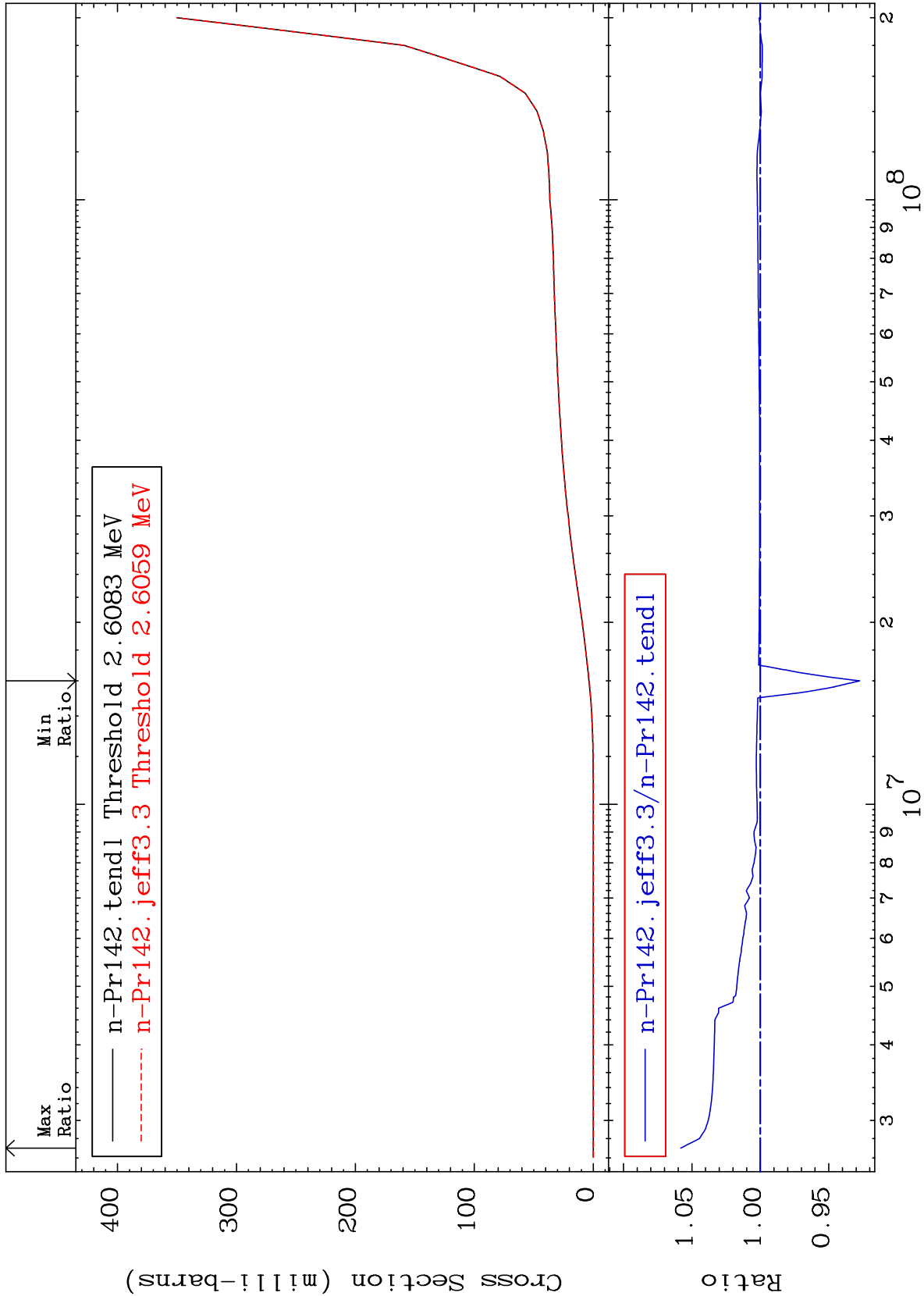




MAT 5928

Tritium Production
Cross Section

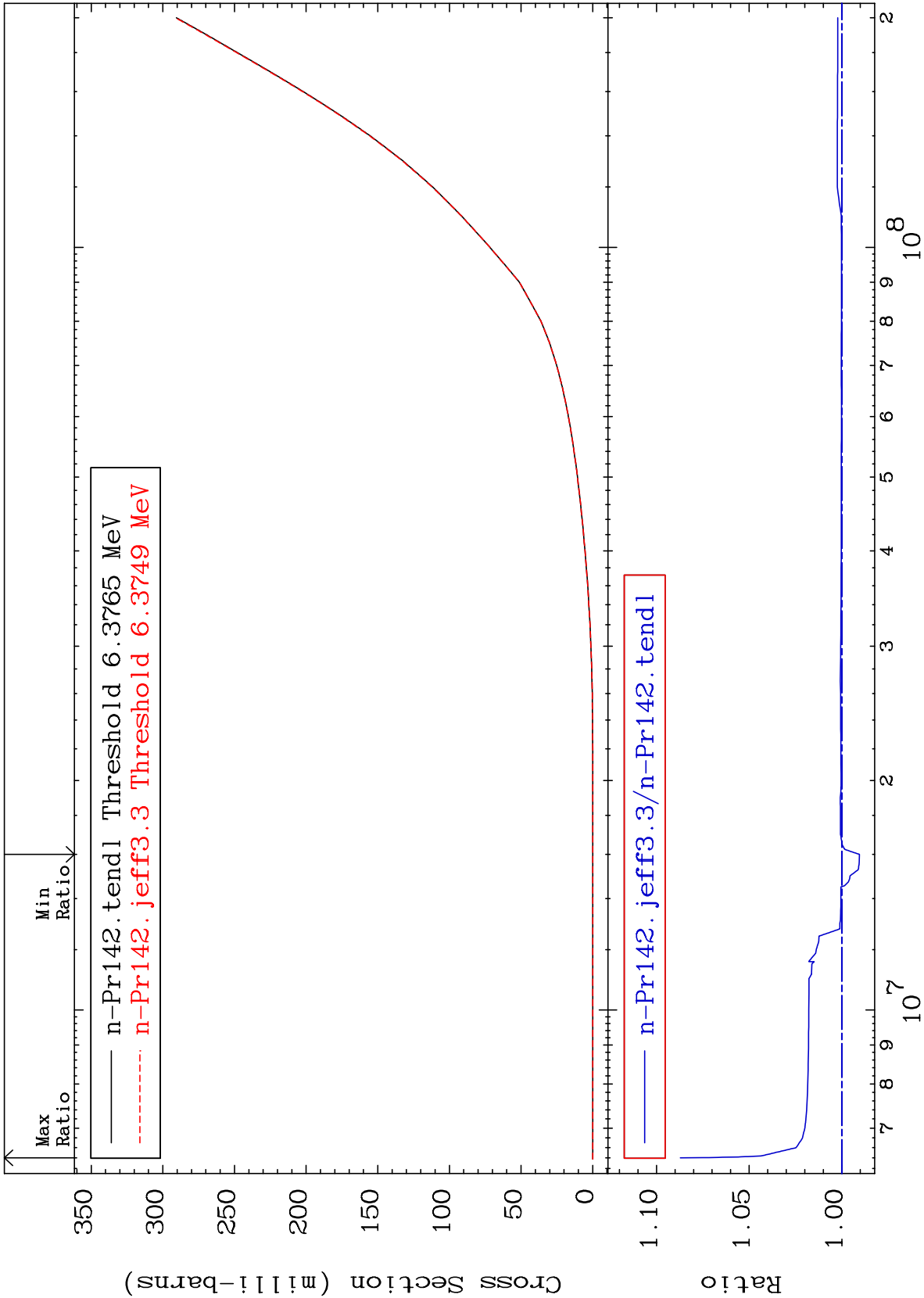
59-Pr-142
-7.250 To 5.812 %

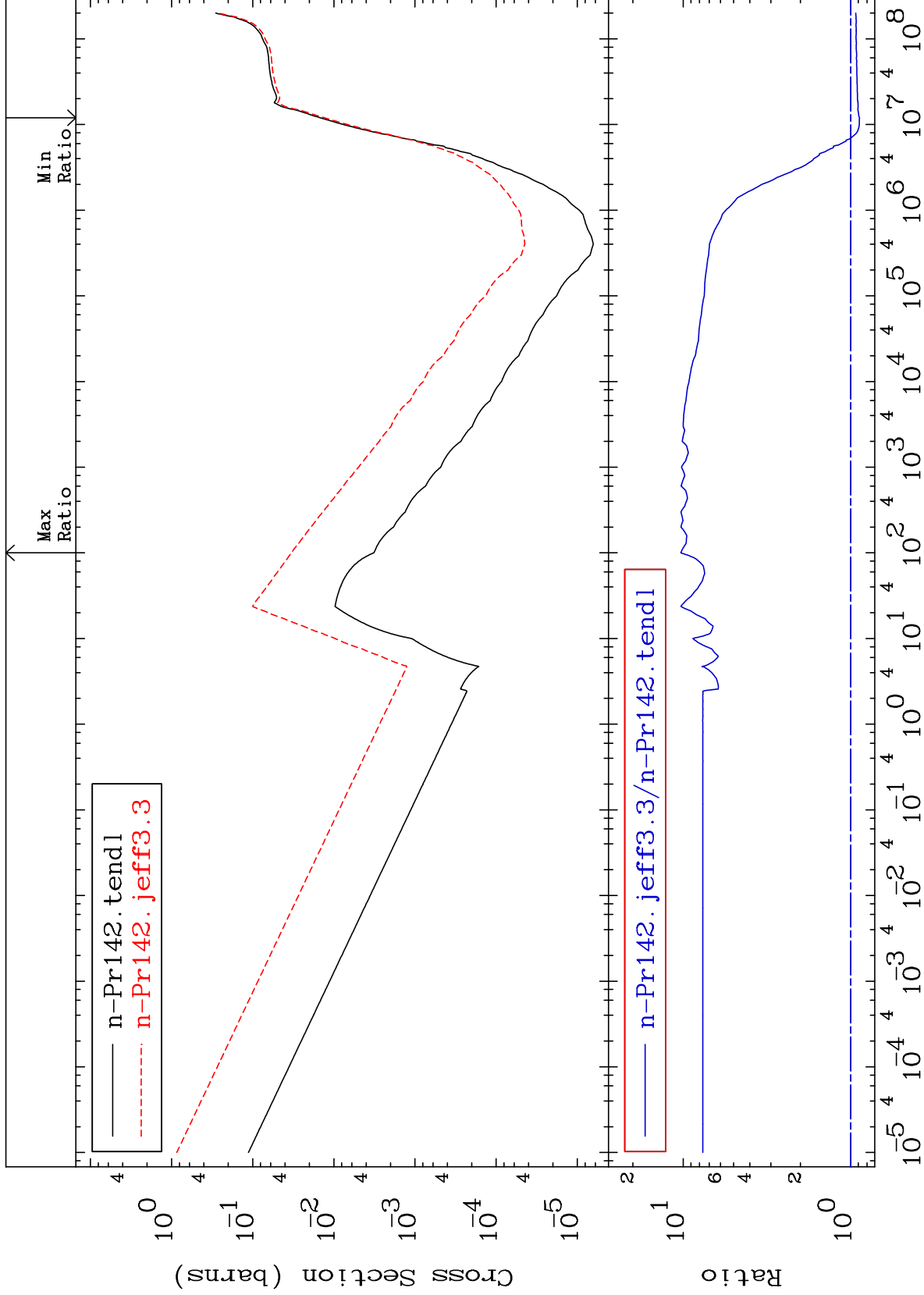


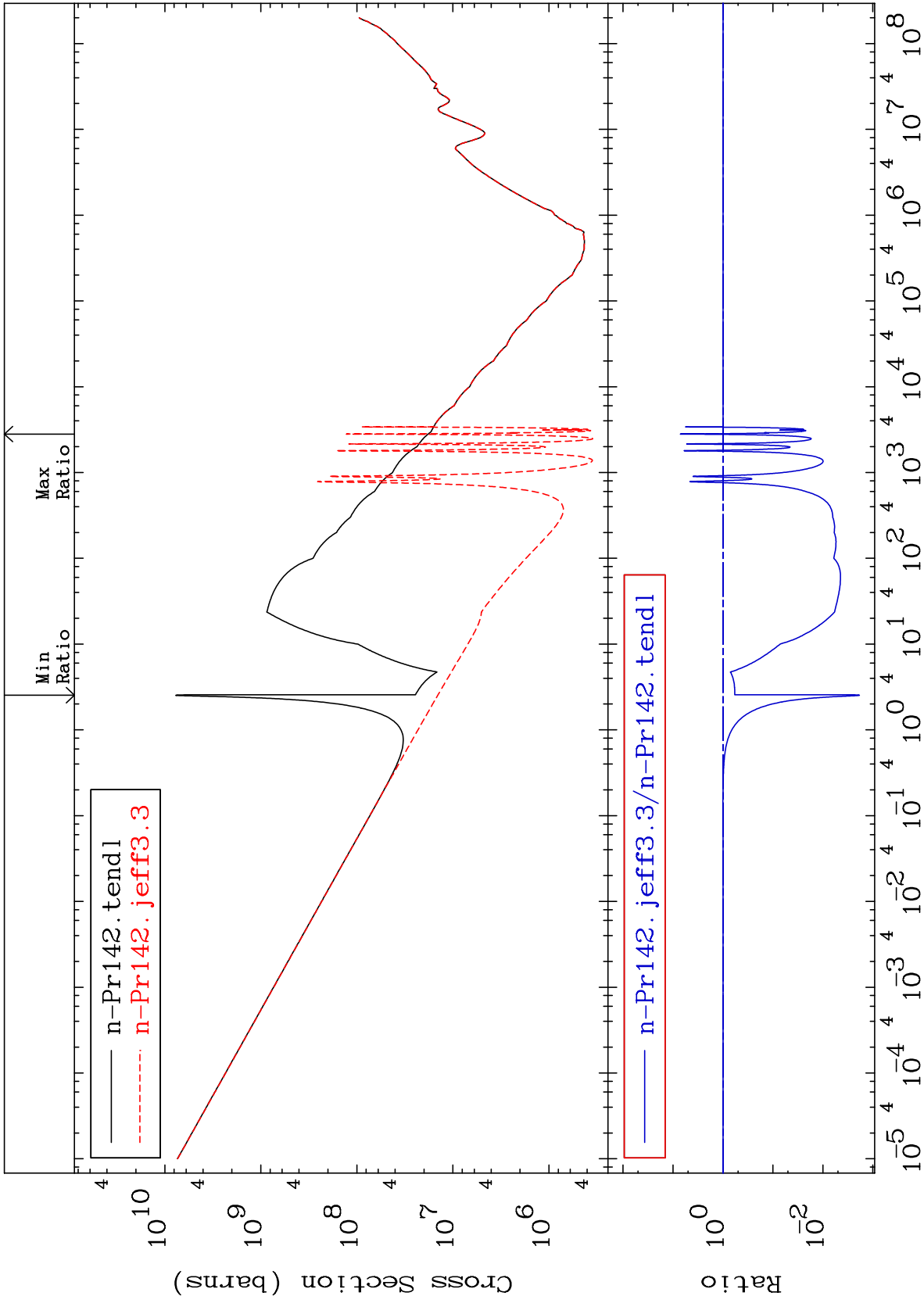
50

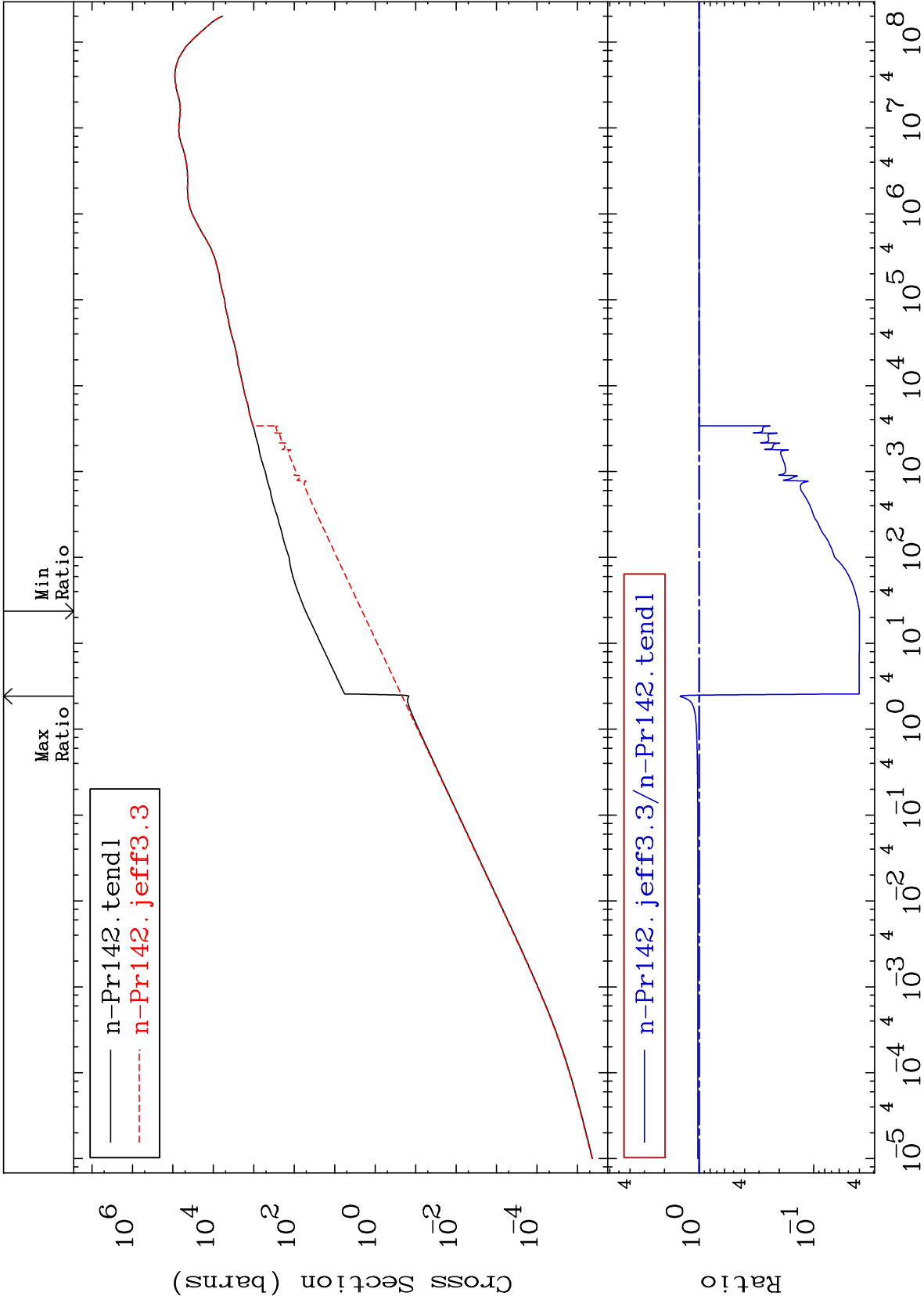
Incident Energy (eV)

59-Pr-142

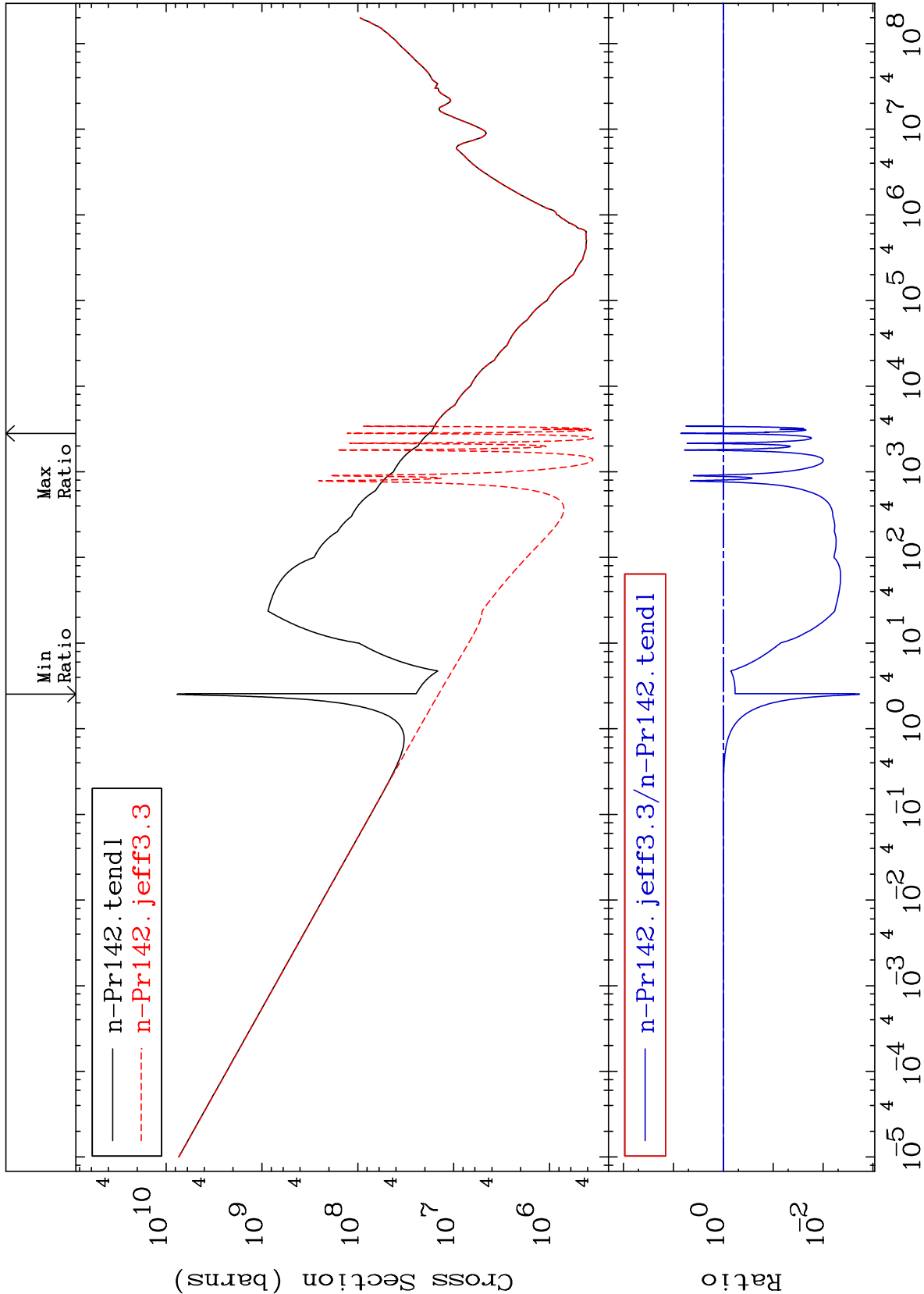






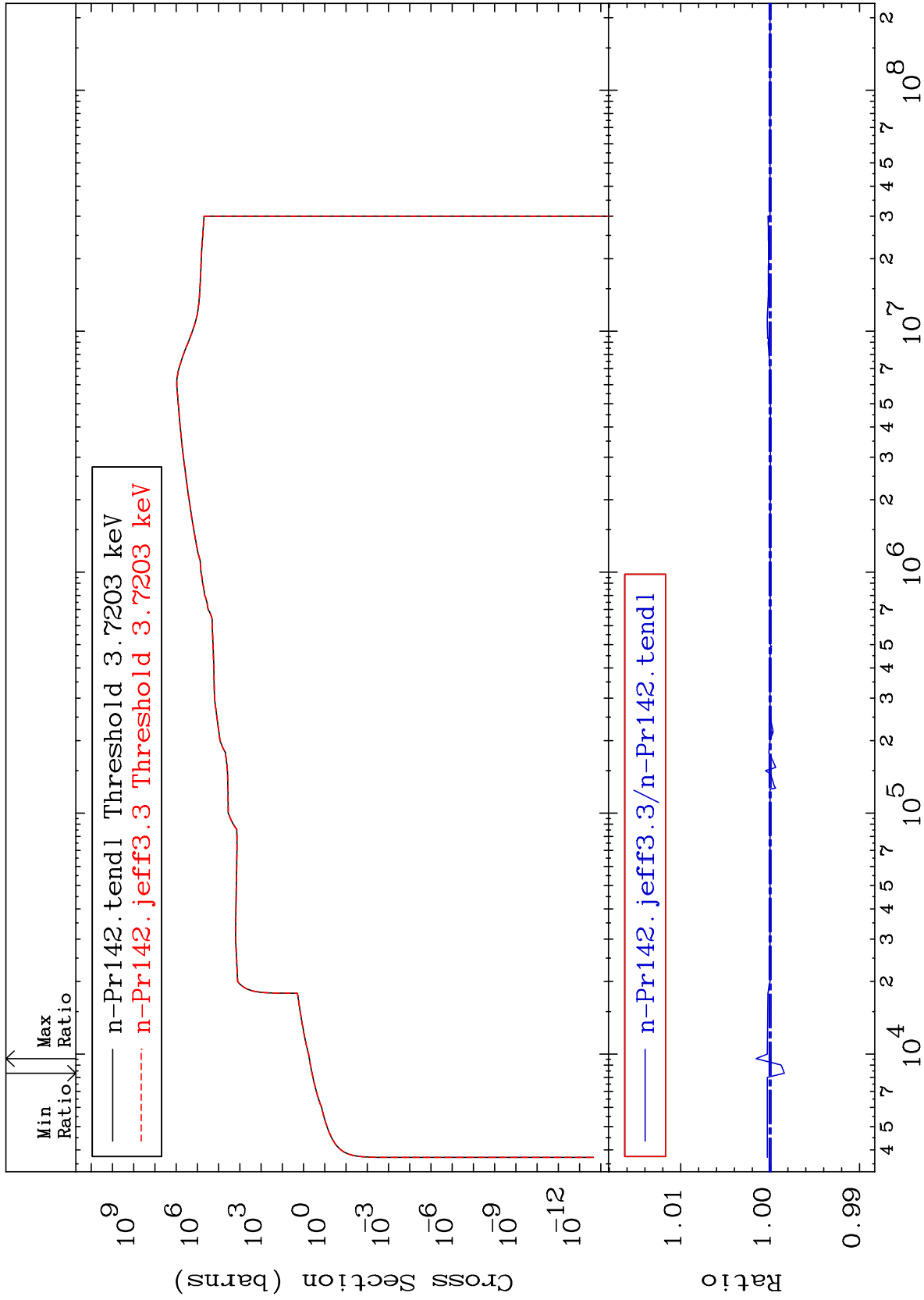


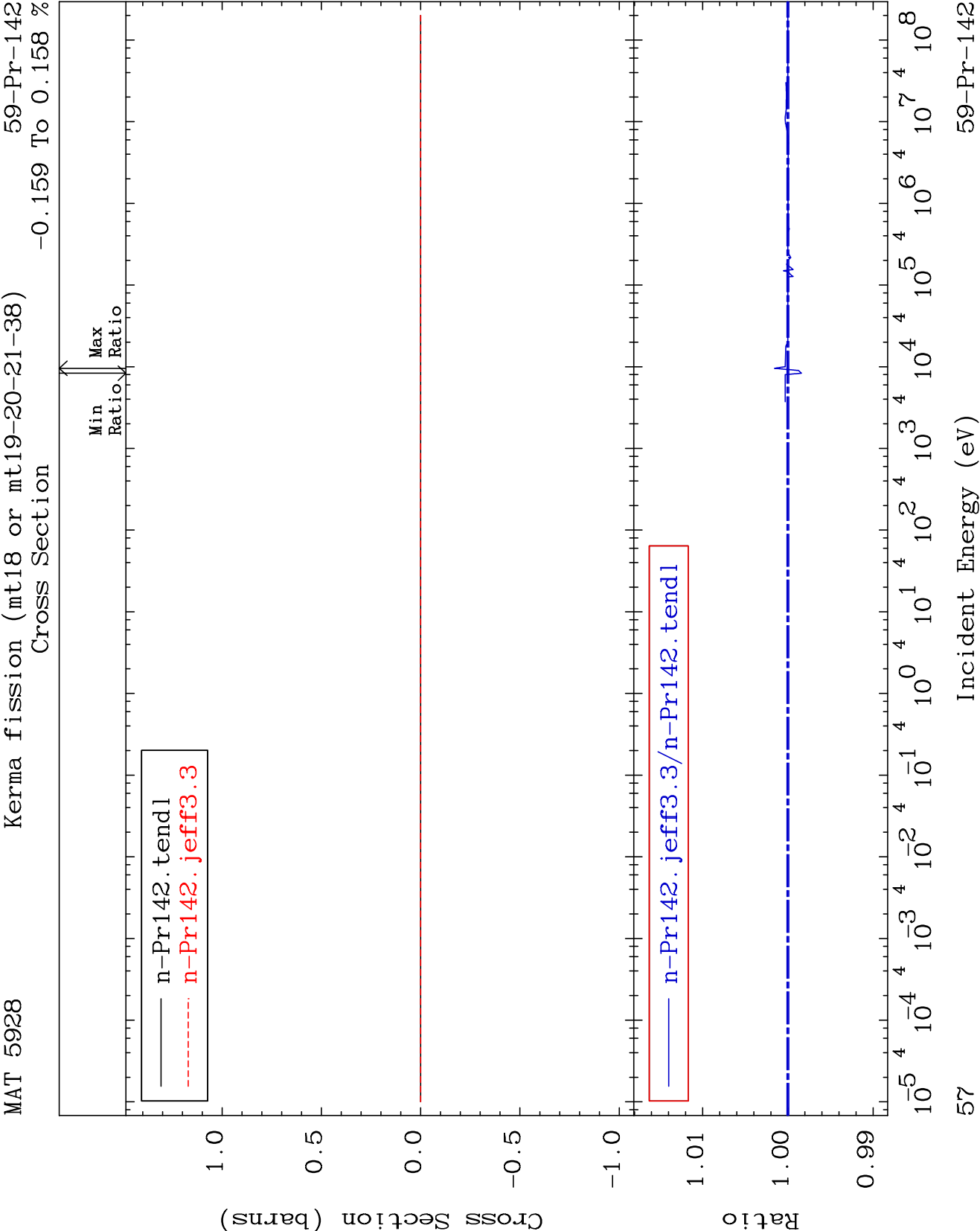
Cross Section



Cross Section

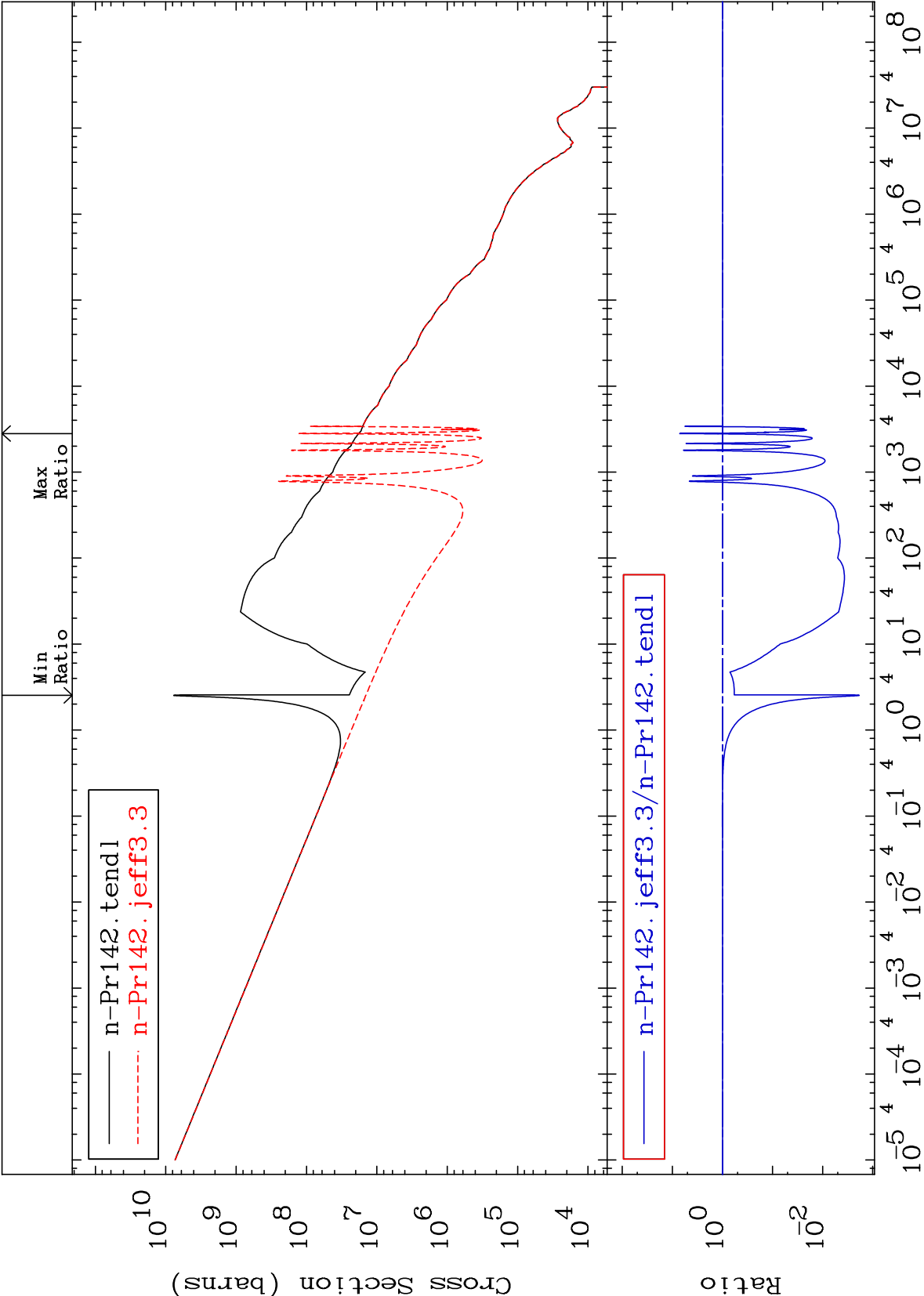
-0.159 To 0.158 %

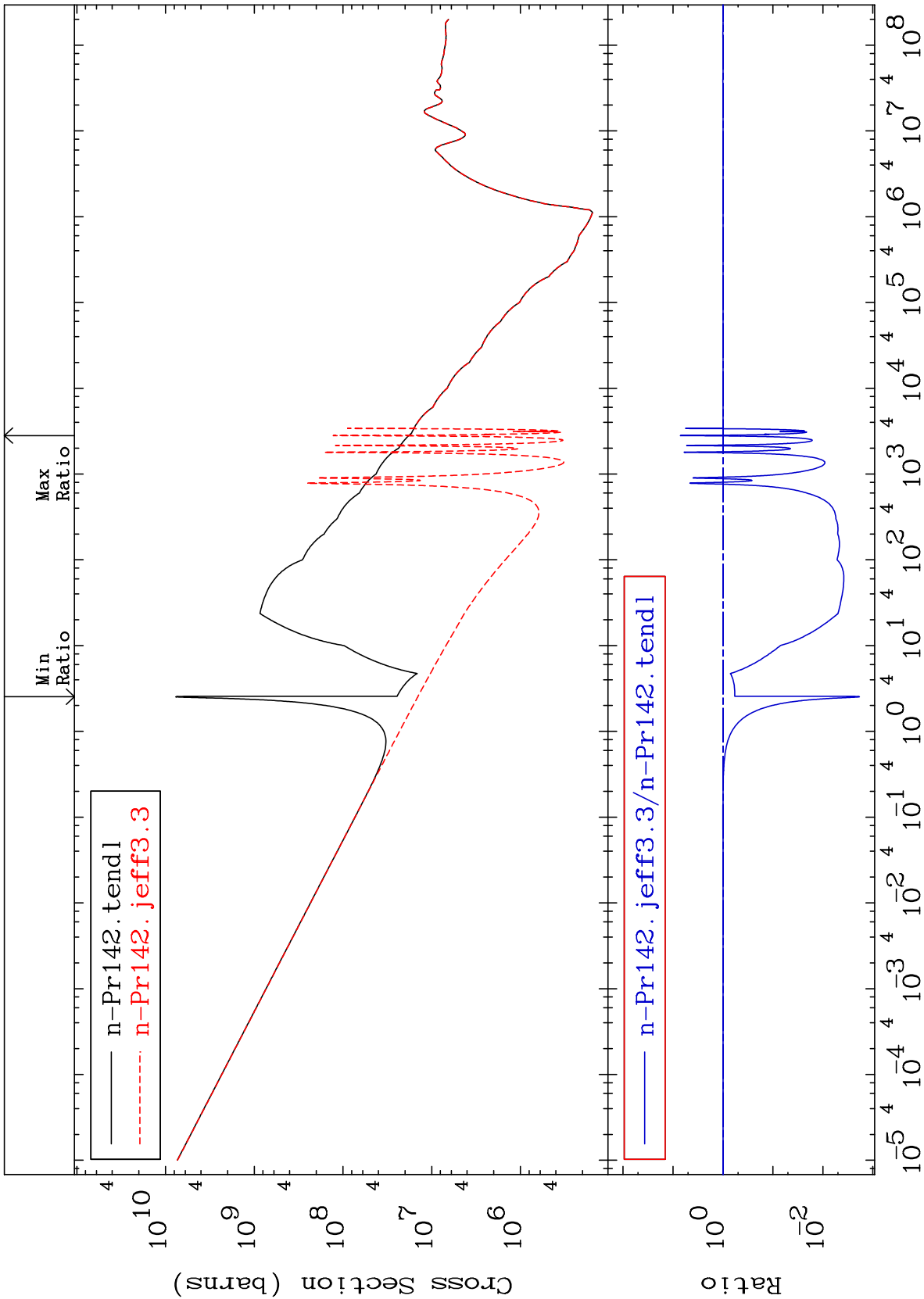


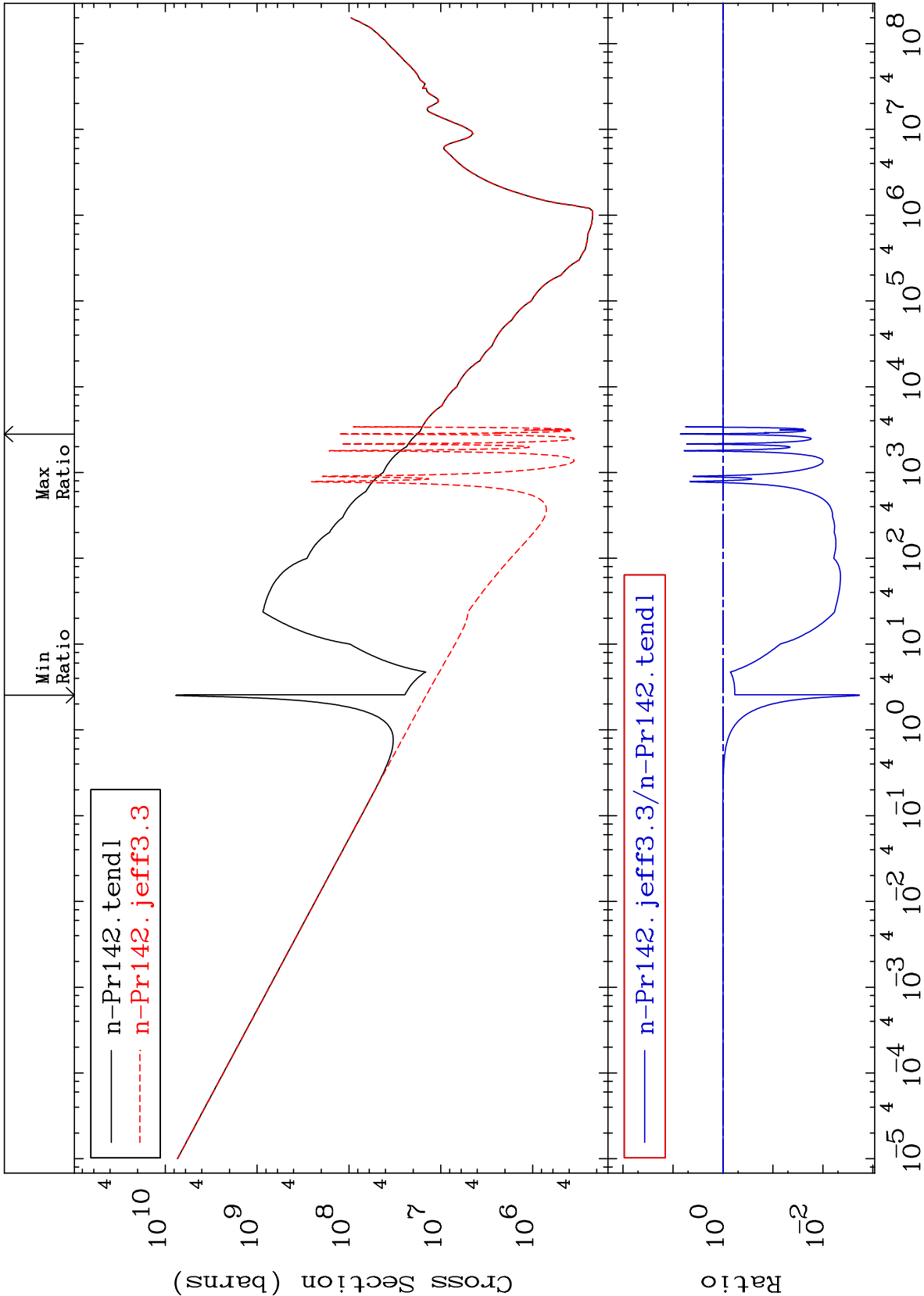


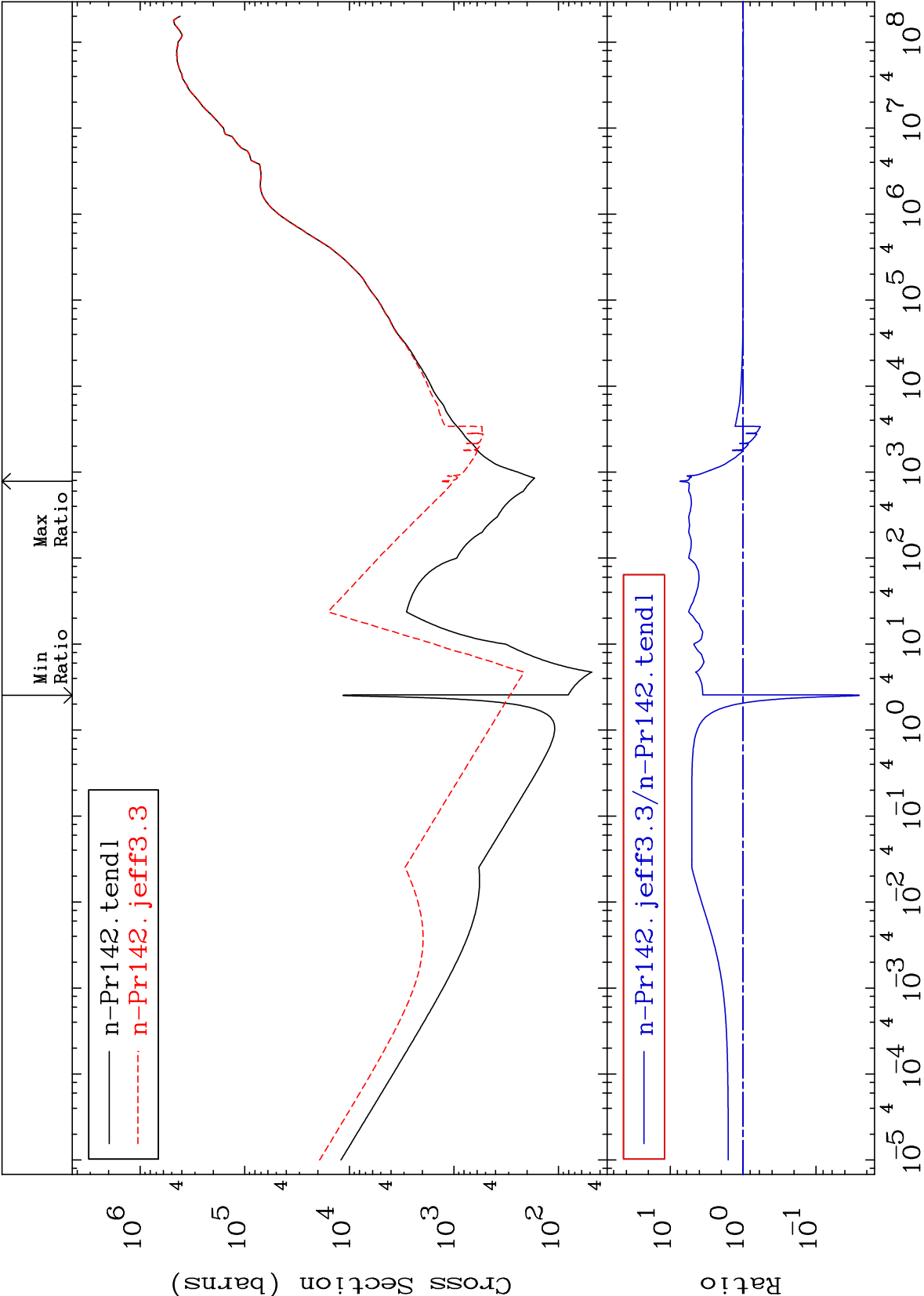
Cross Section

-99.81 To 612.6 %









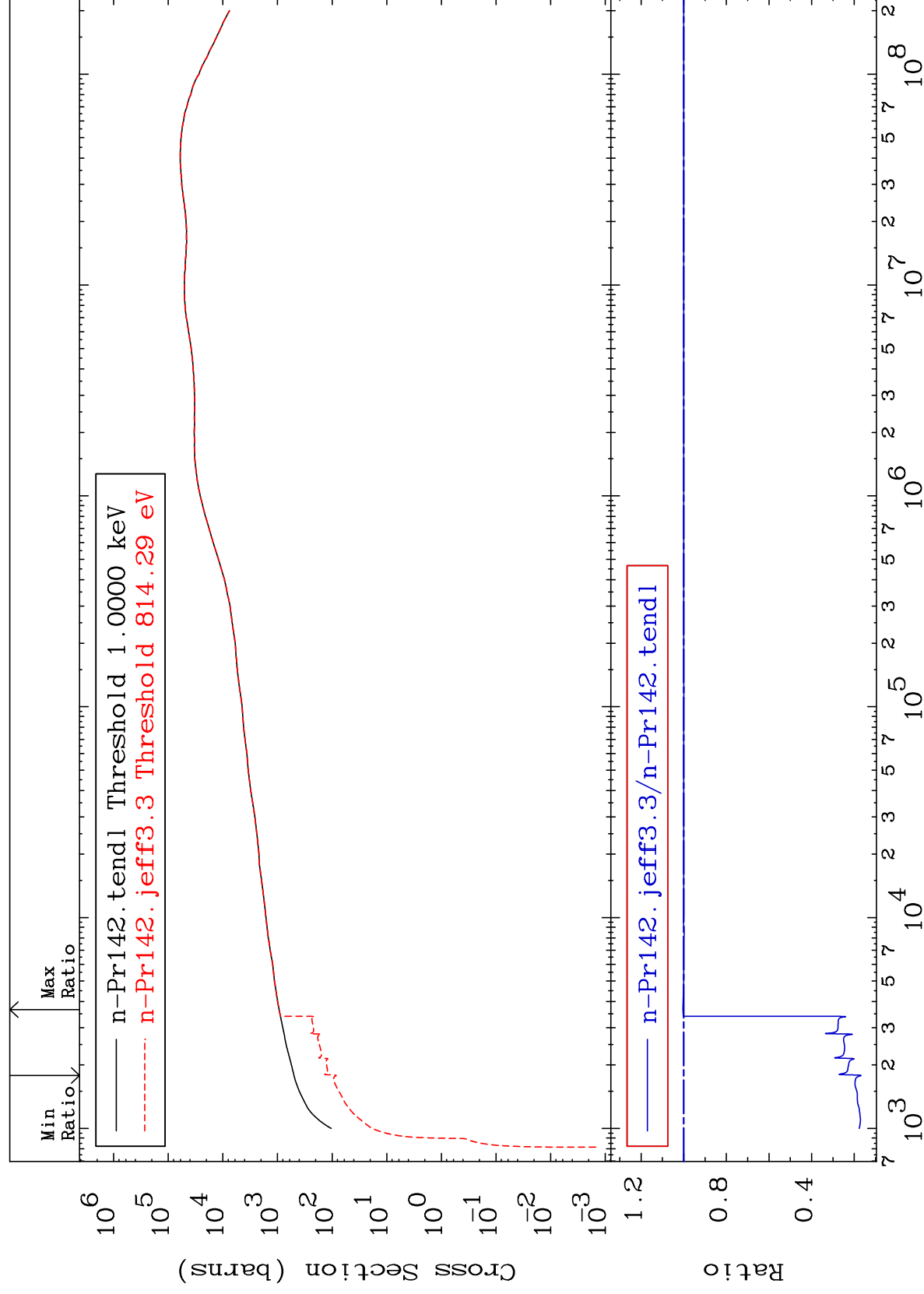
MAT 5928

Dpa elastic (mt2)

59-Pr-142

Cross Section

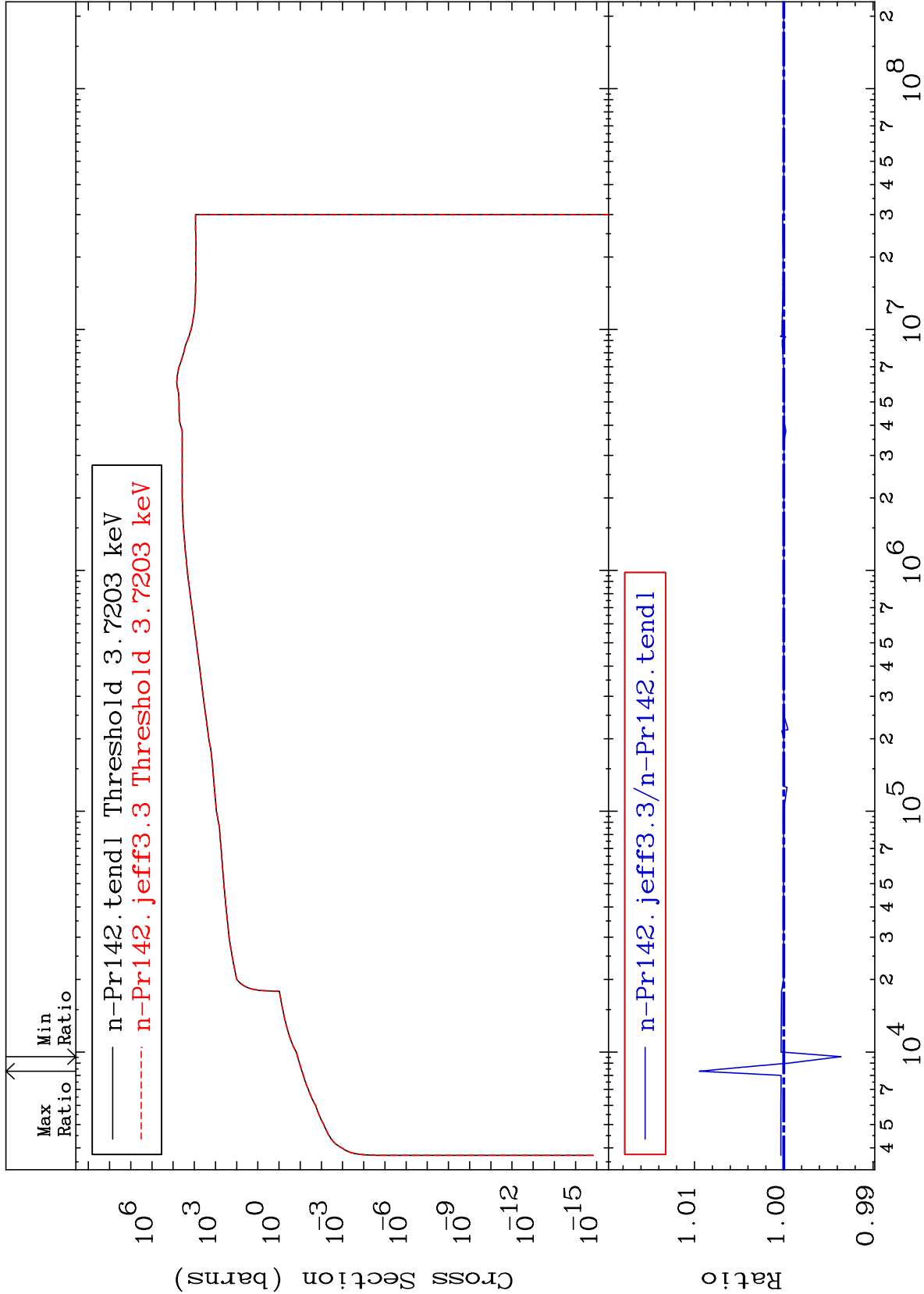
-83.28 To 0.360 %

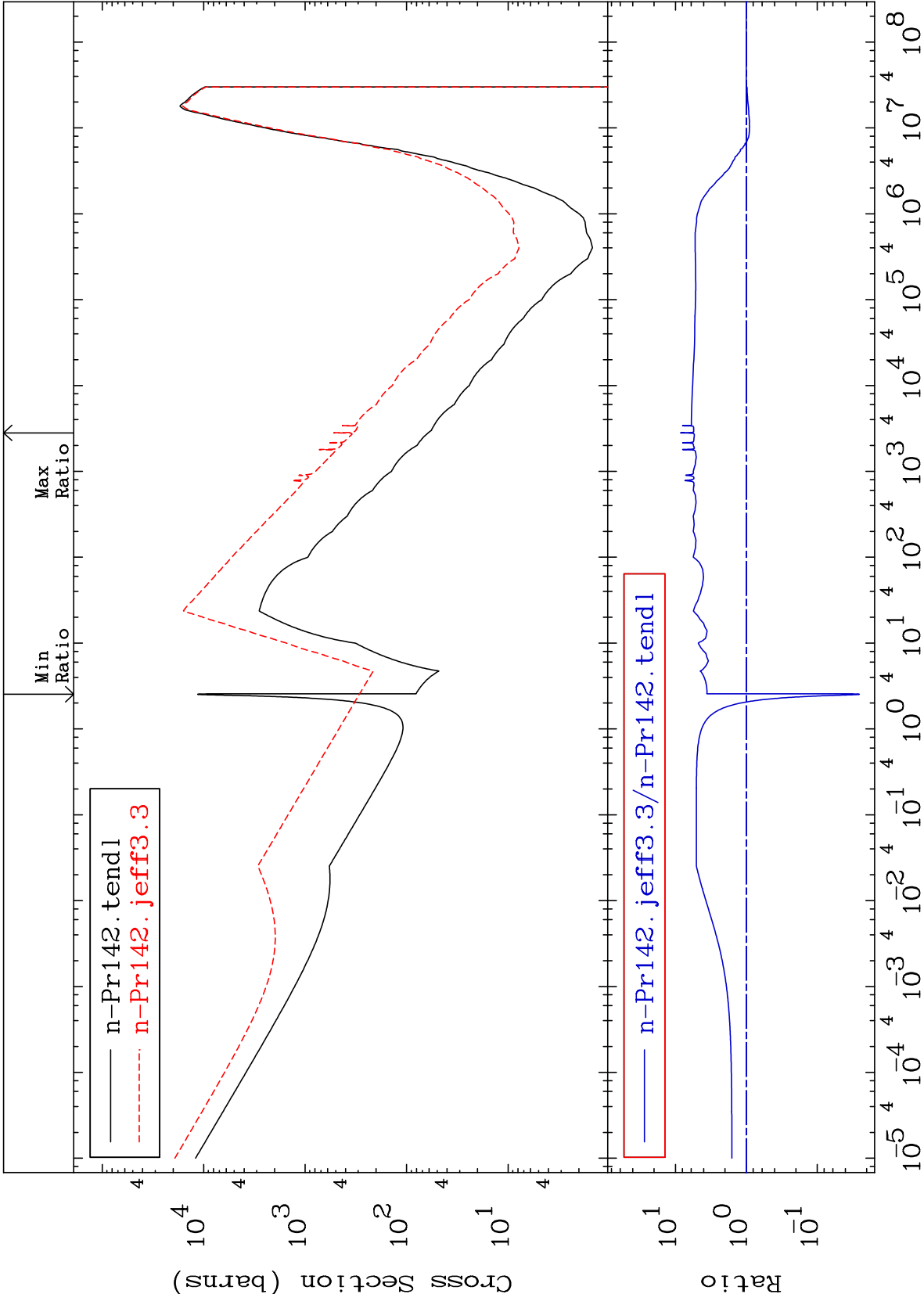


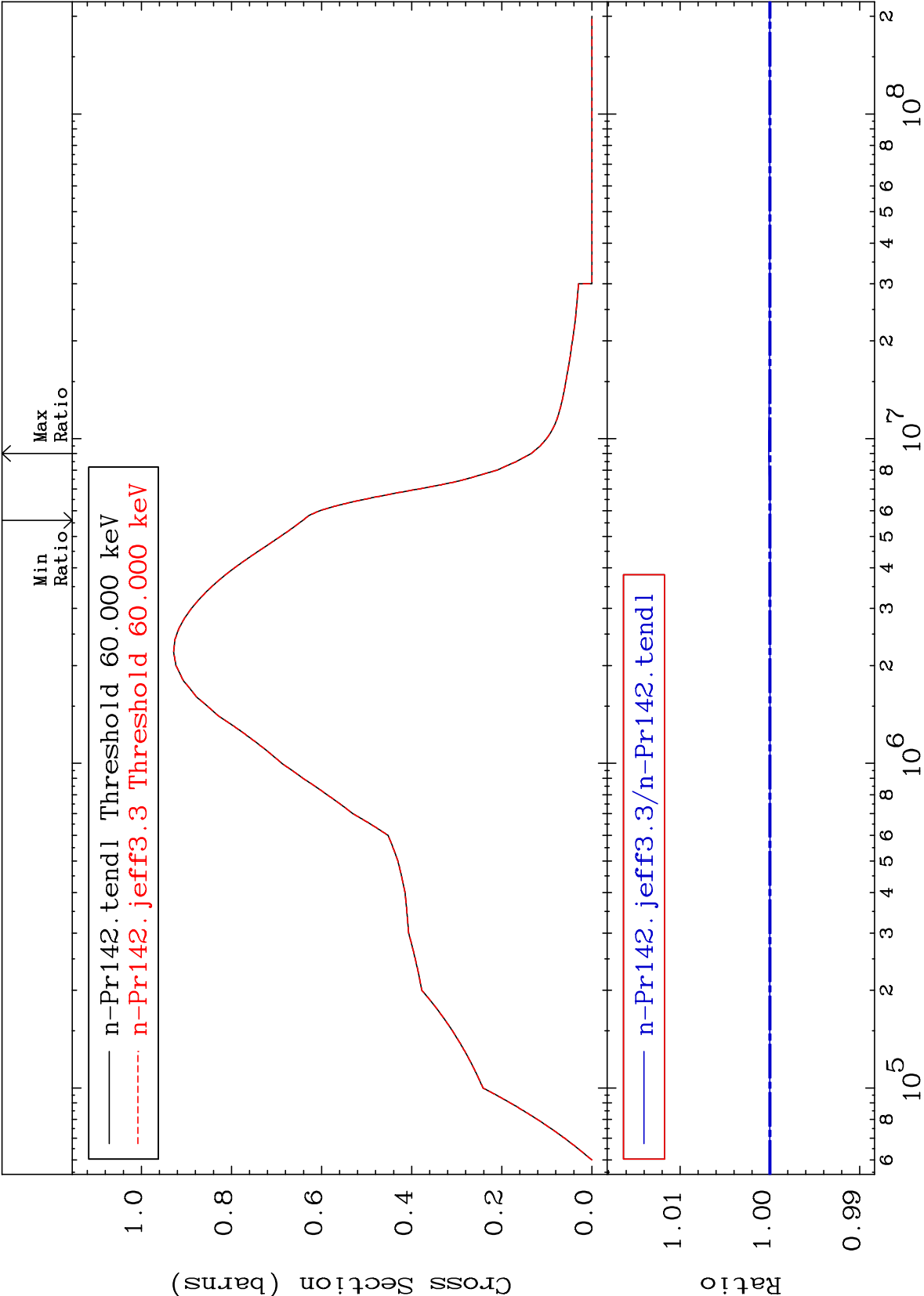
26

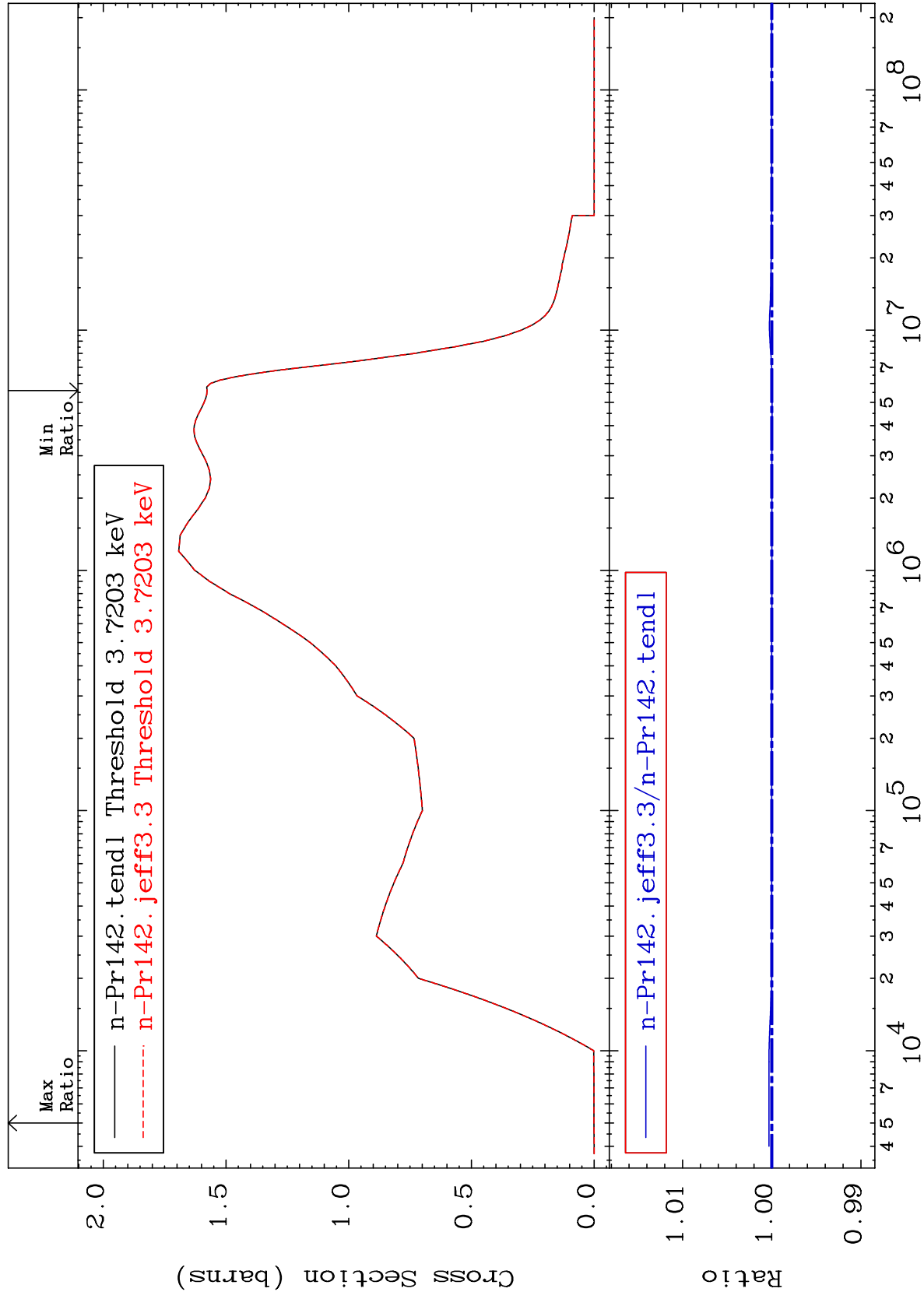
Incident Energy (eV)

59-Pr-142





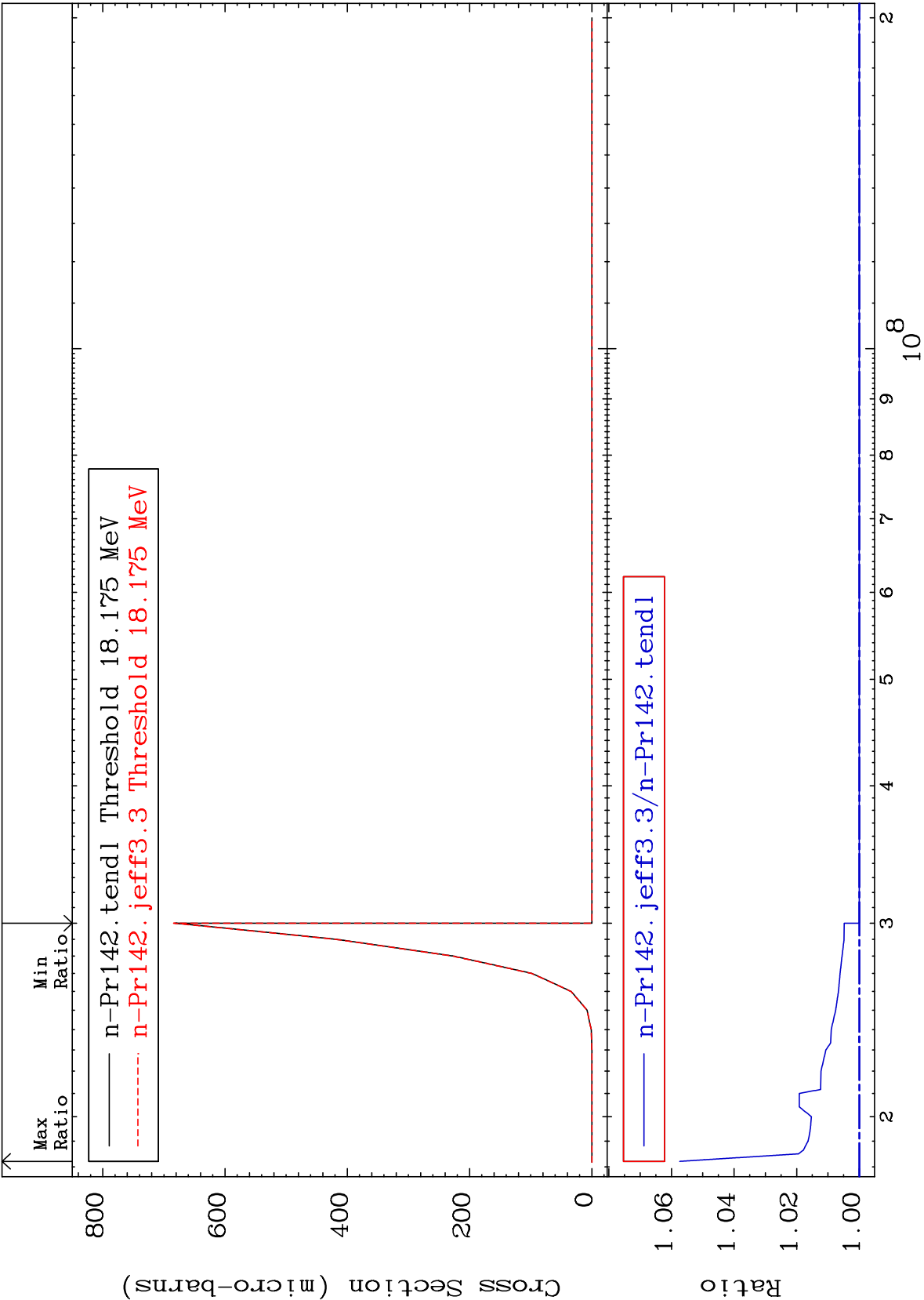


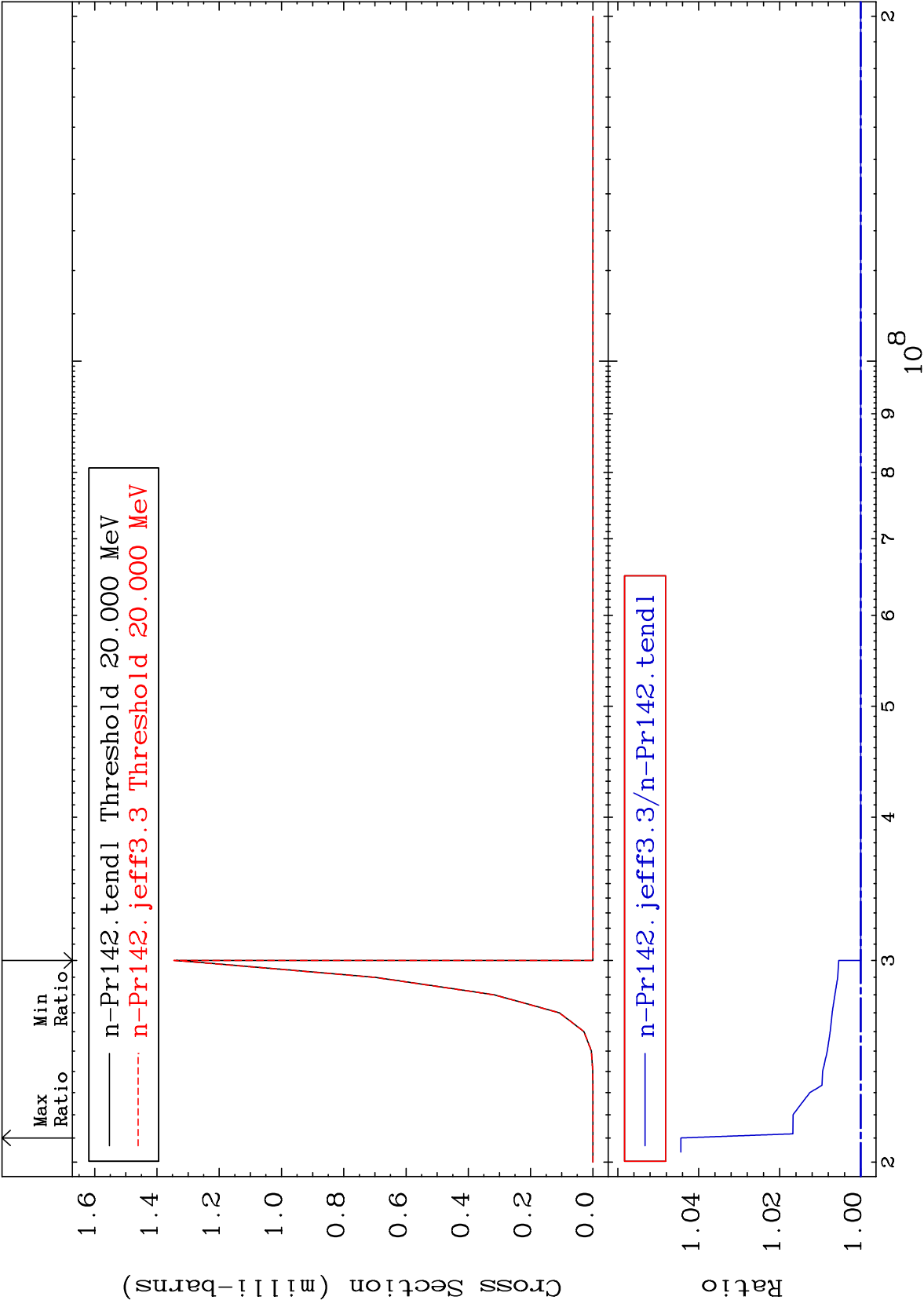


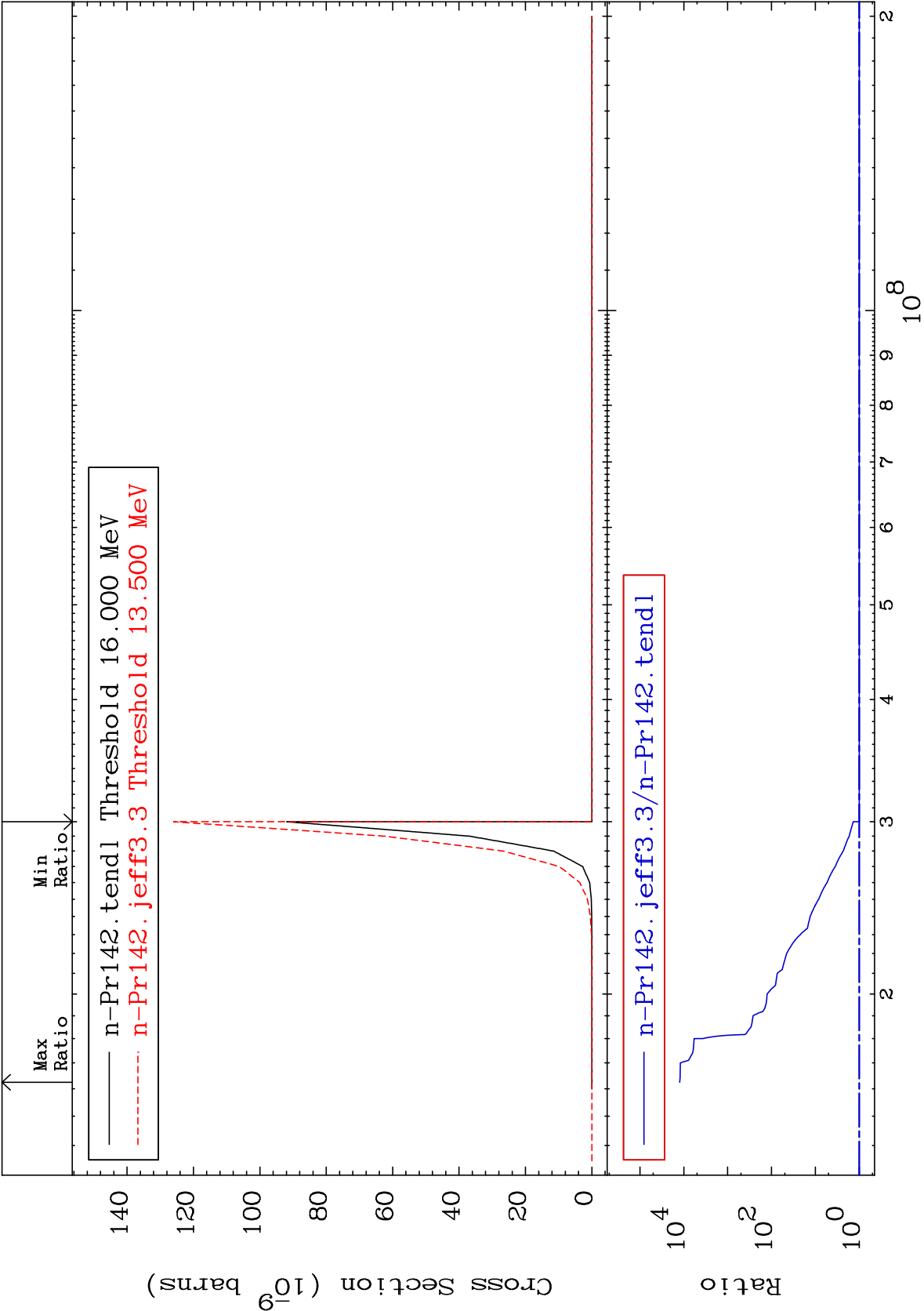
MAT 5928

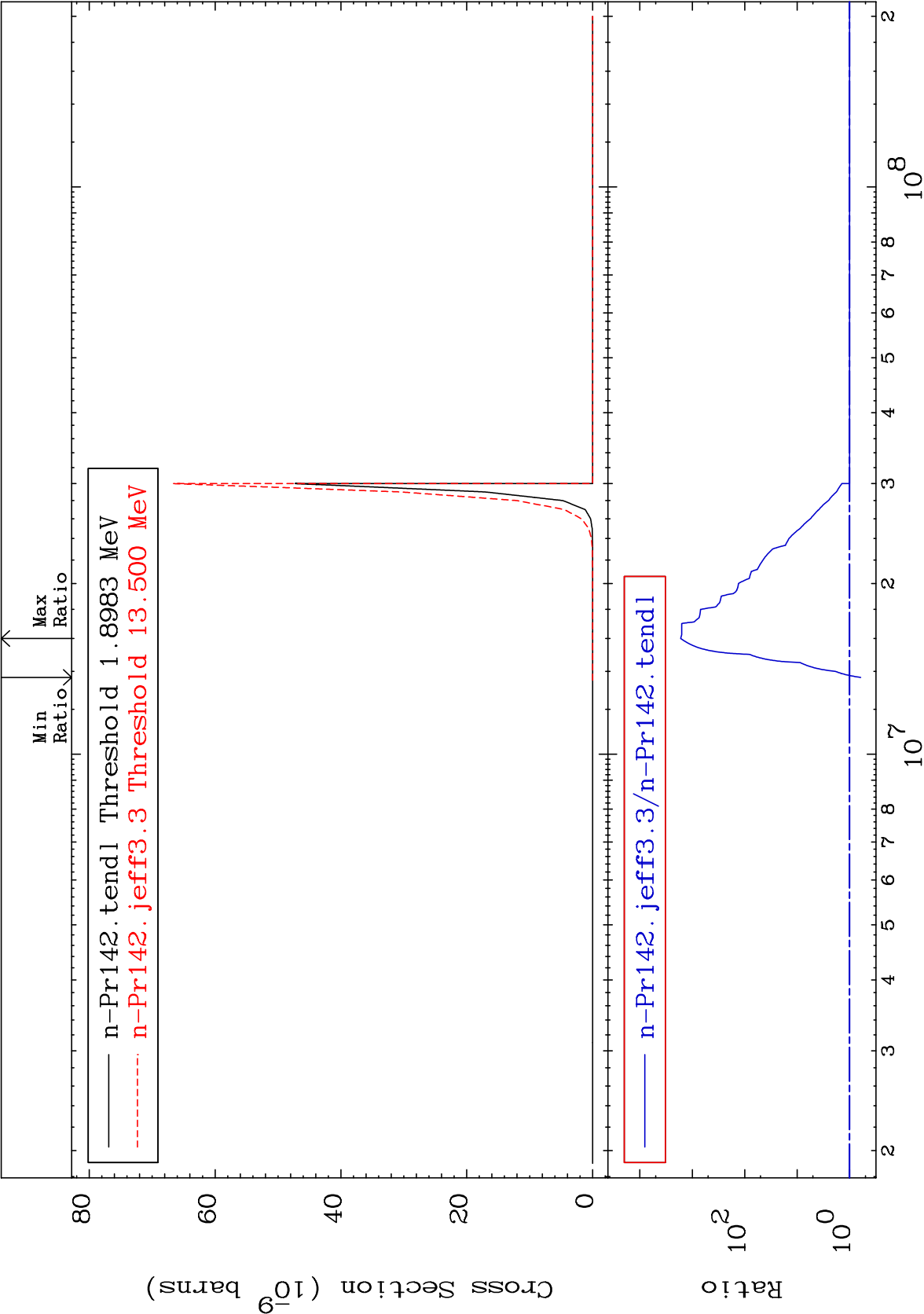
(n,2n) d:58-Ce-139g
Radionuclide Production Cross Section 0.000 To 5.736 %

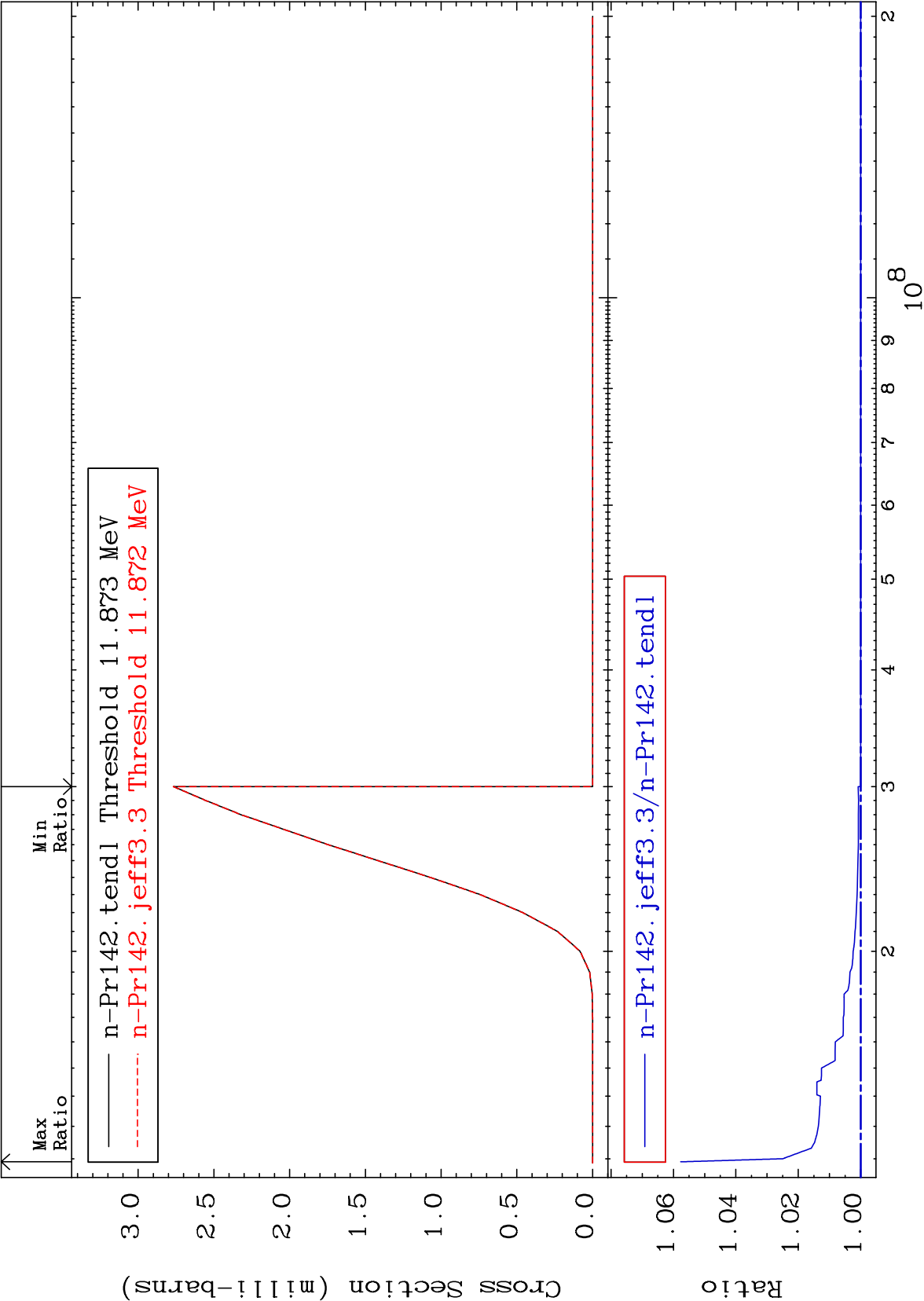
59-Pr-142







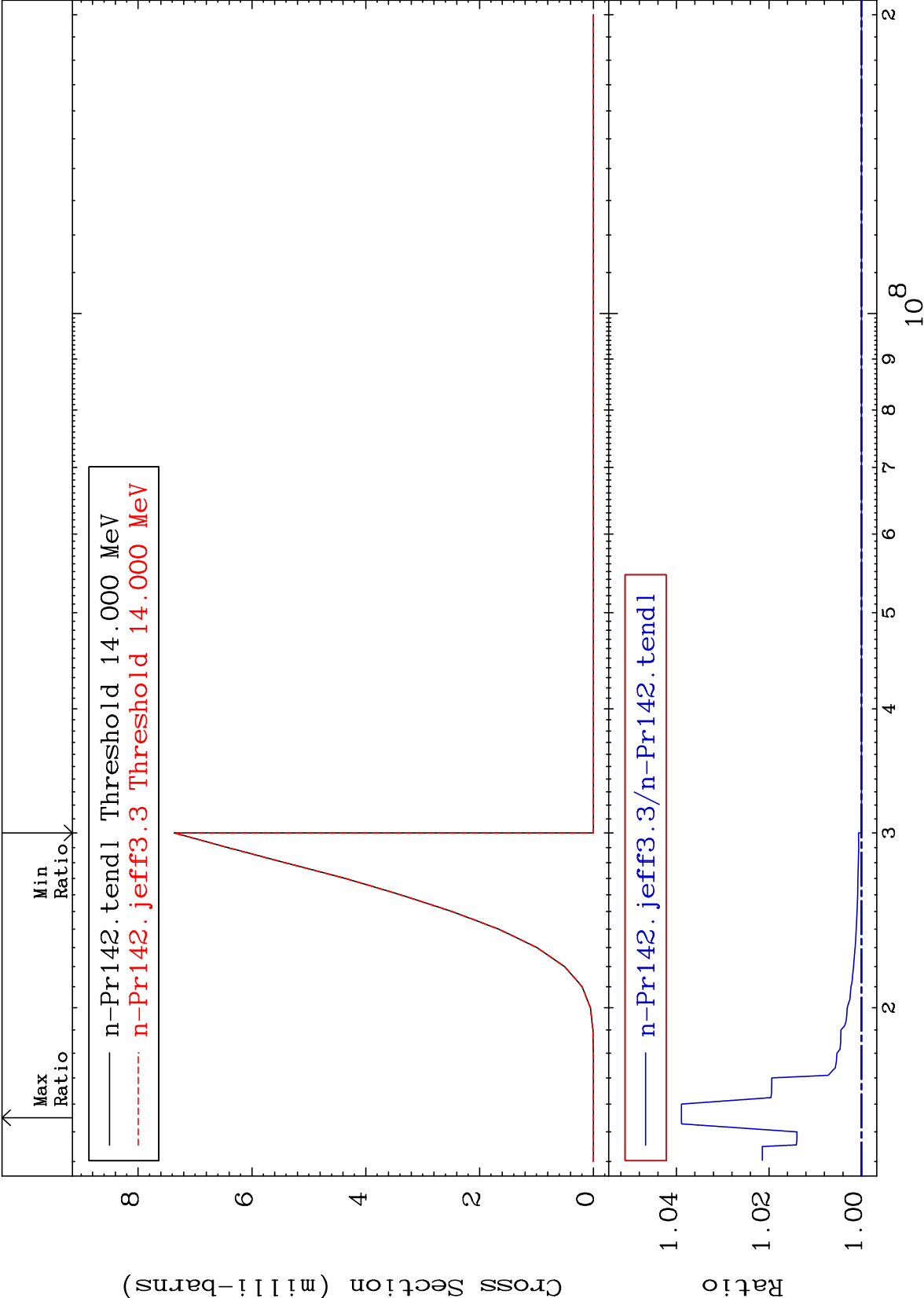


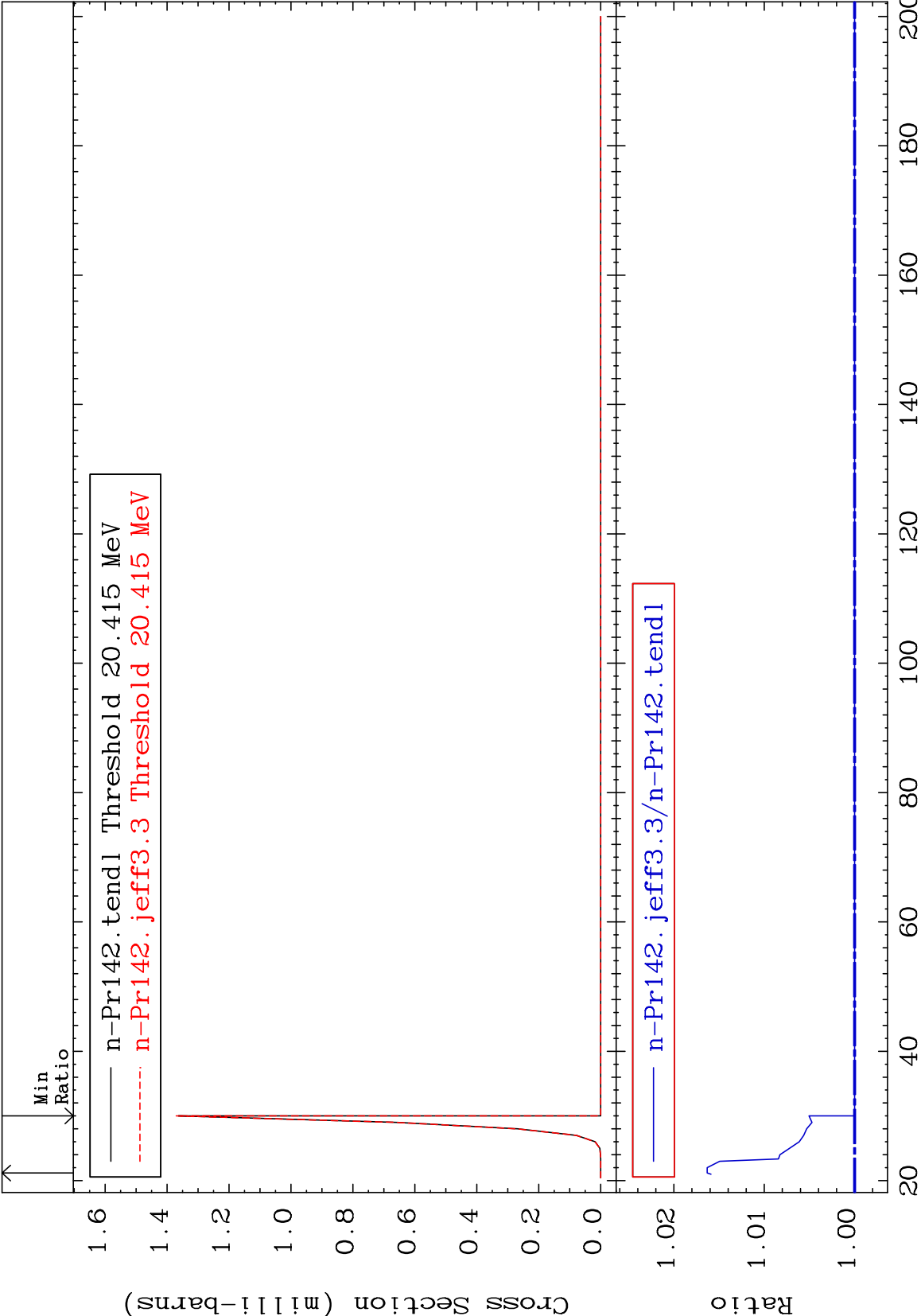


Radionuclide Production Cross Section

0.000

To 3.890 %





MAT 5928

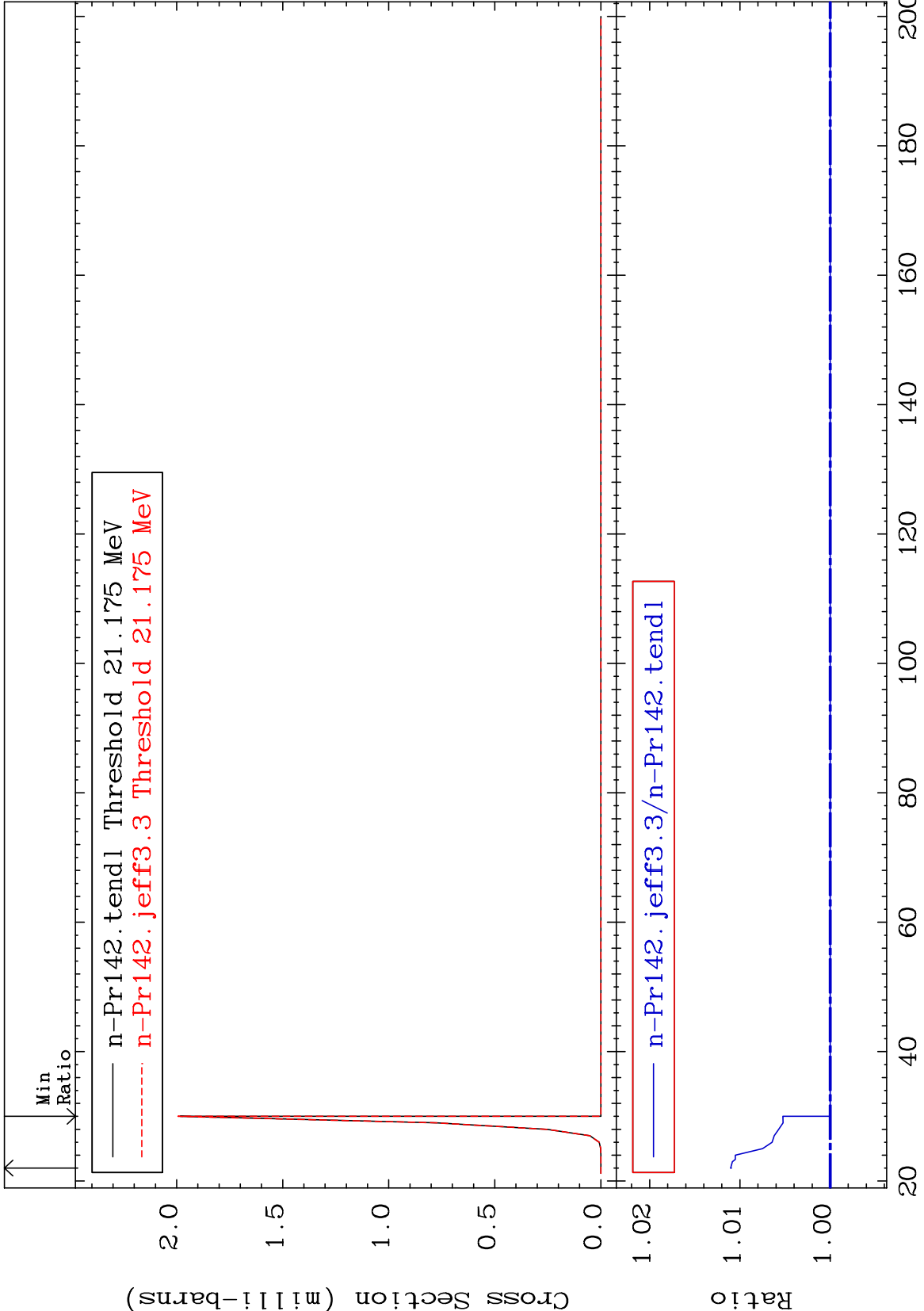
(n,3n) p:58-Ce-139m2

59-Pr-142

Radionuclide Production Cross Section

0.000

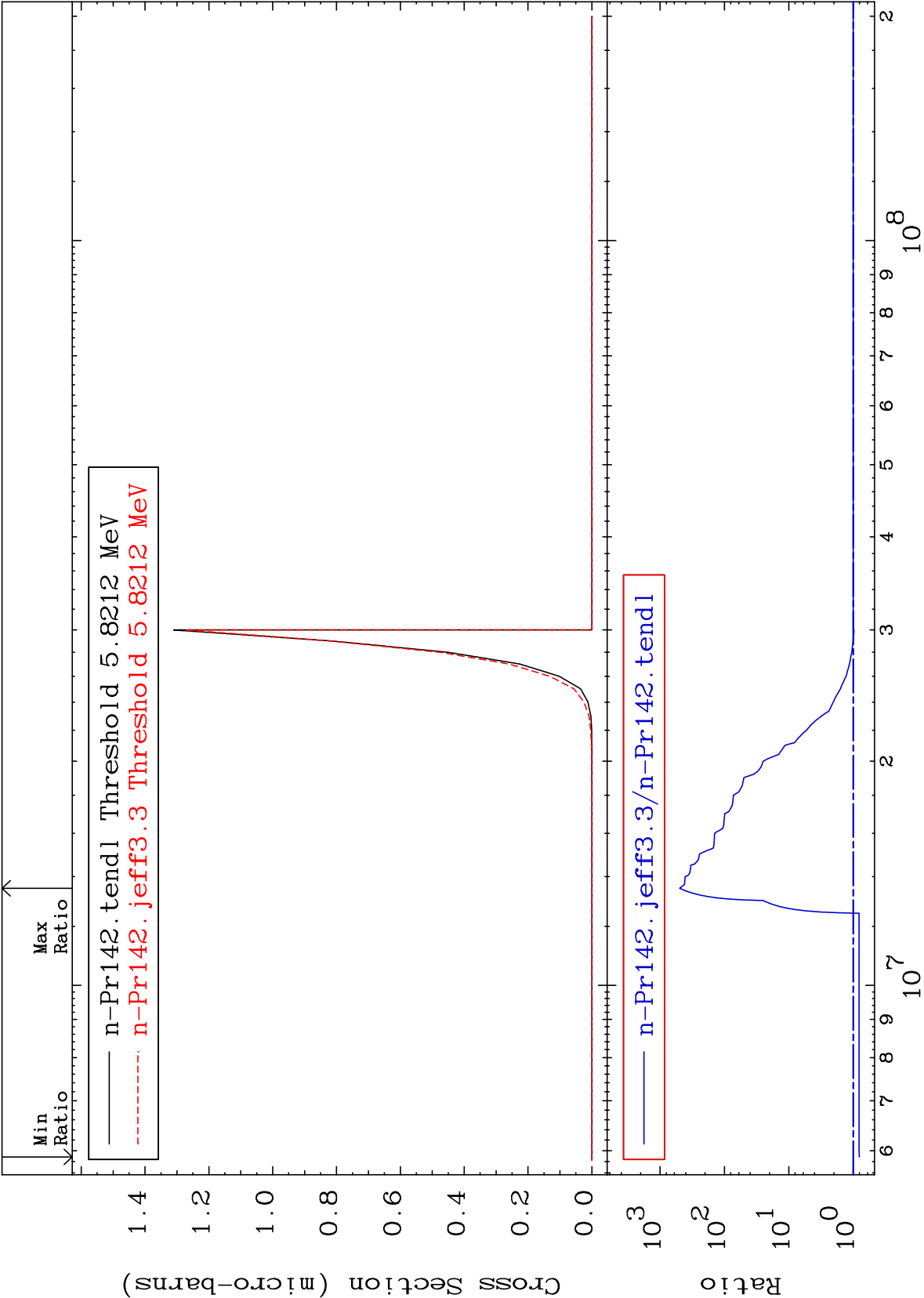
To 1.102 %

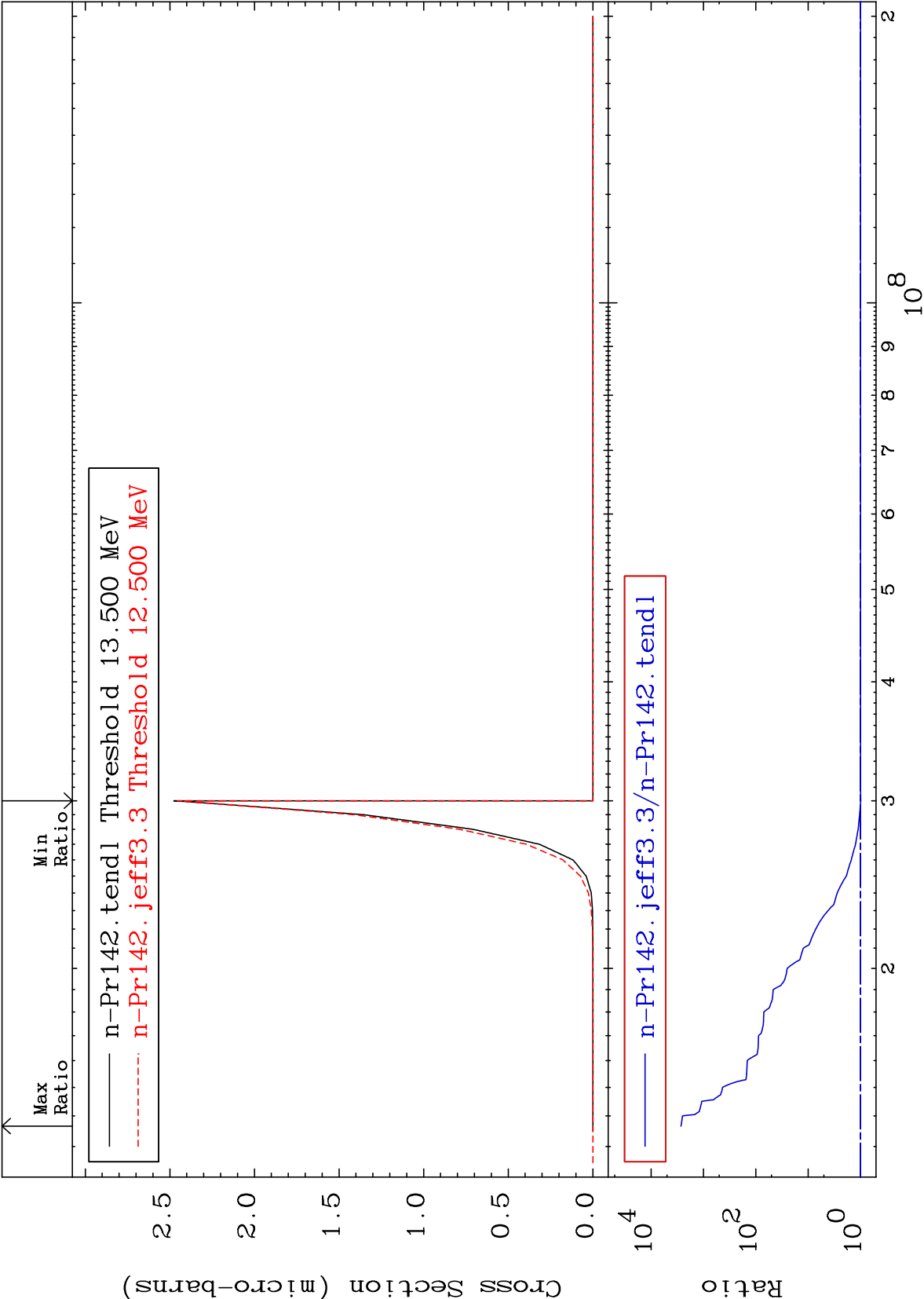


74

Incident Energy (MeV)

59-Pr-142





MAT 5928

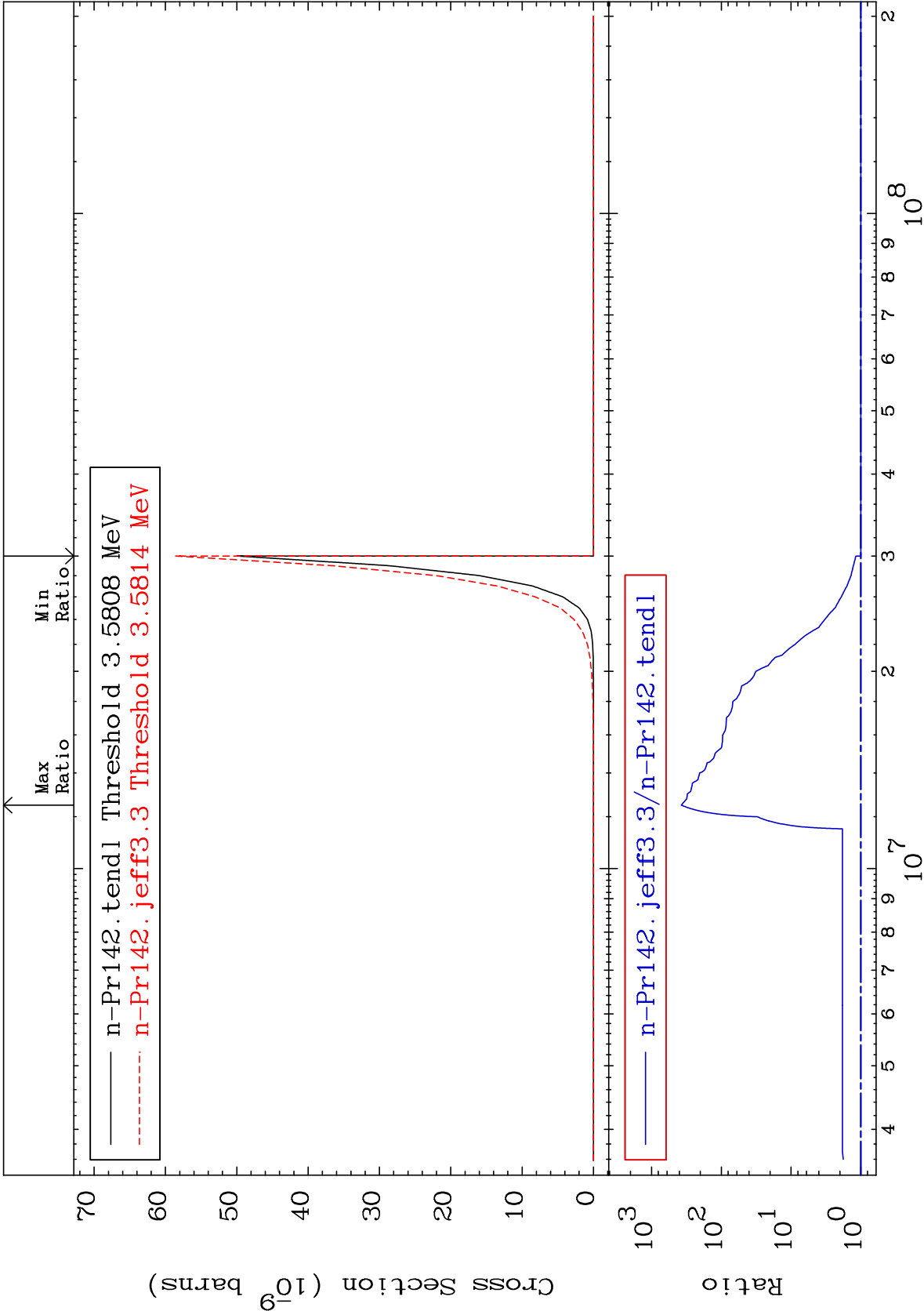
(n,d) α :56-Ba-137g

59-Pr-142

Radionuclide Production Cross Section

0.000

To 9999. %



Radionuclide Production Cross Section 0.000 To 9999. %

