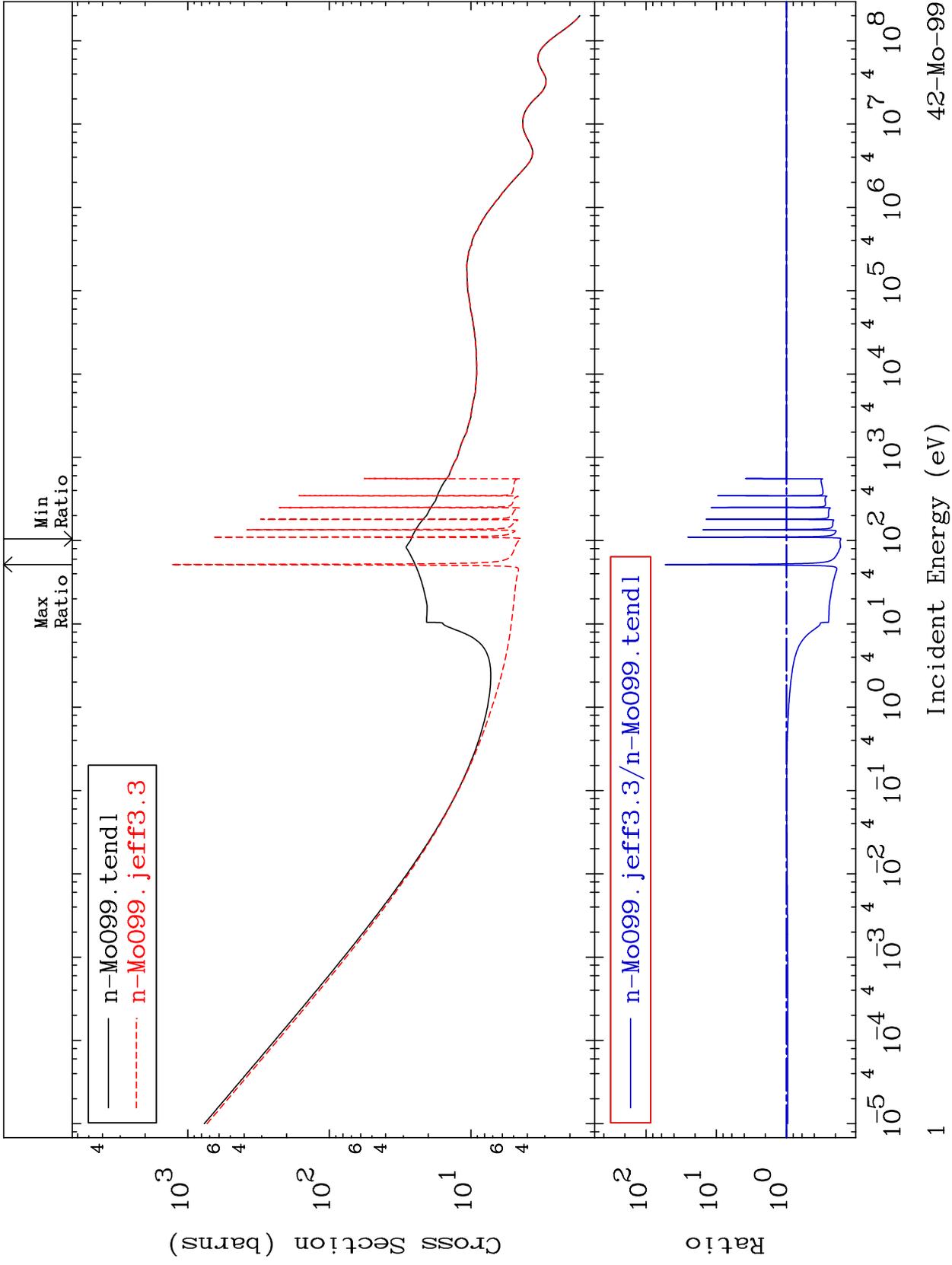


MAT 4246

42-Mo-99

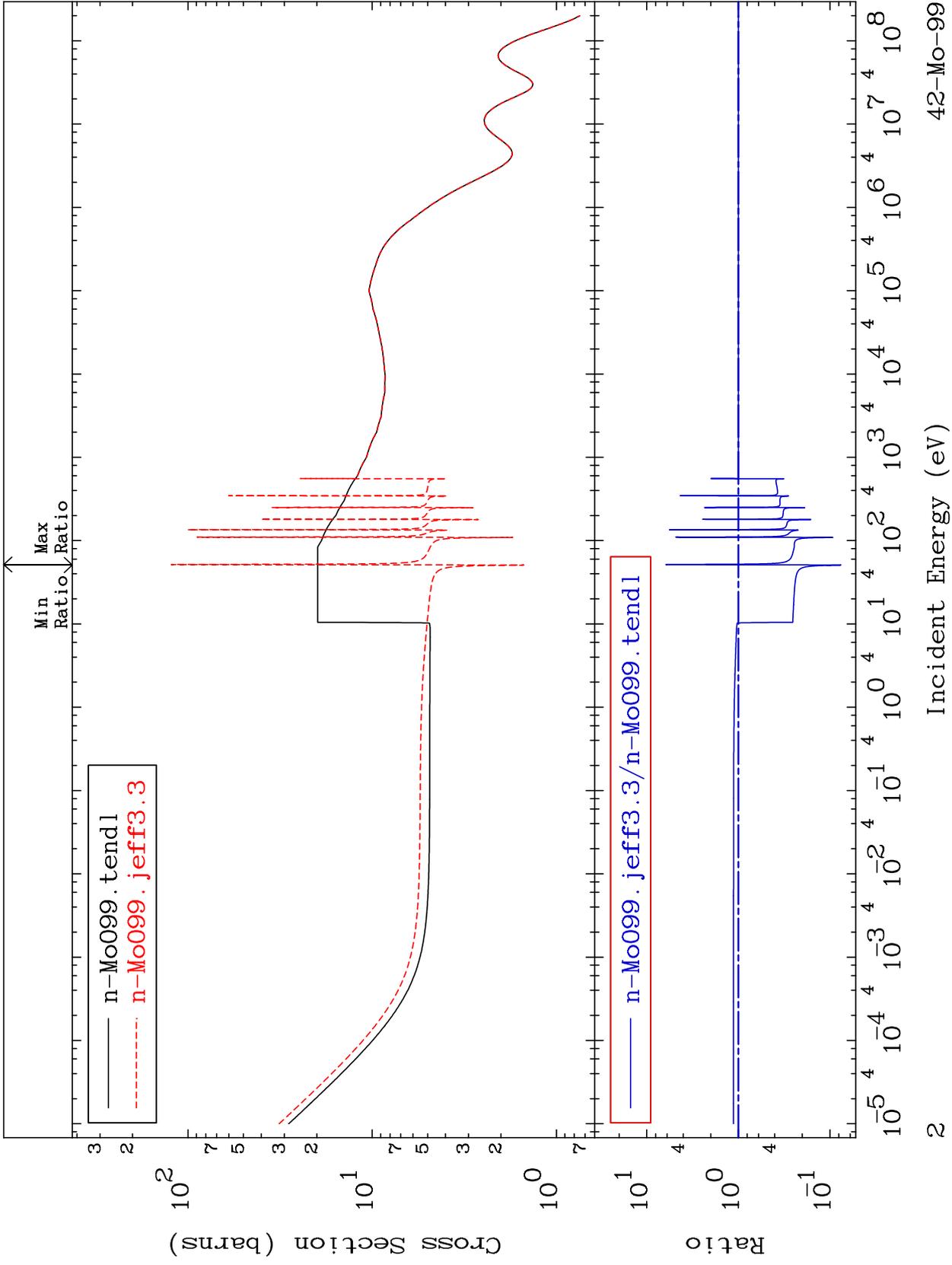
-83.20 To 5181. %

Total
Cross Section



42-Mo-99

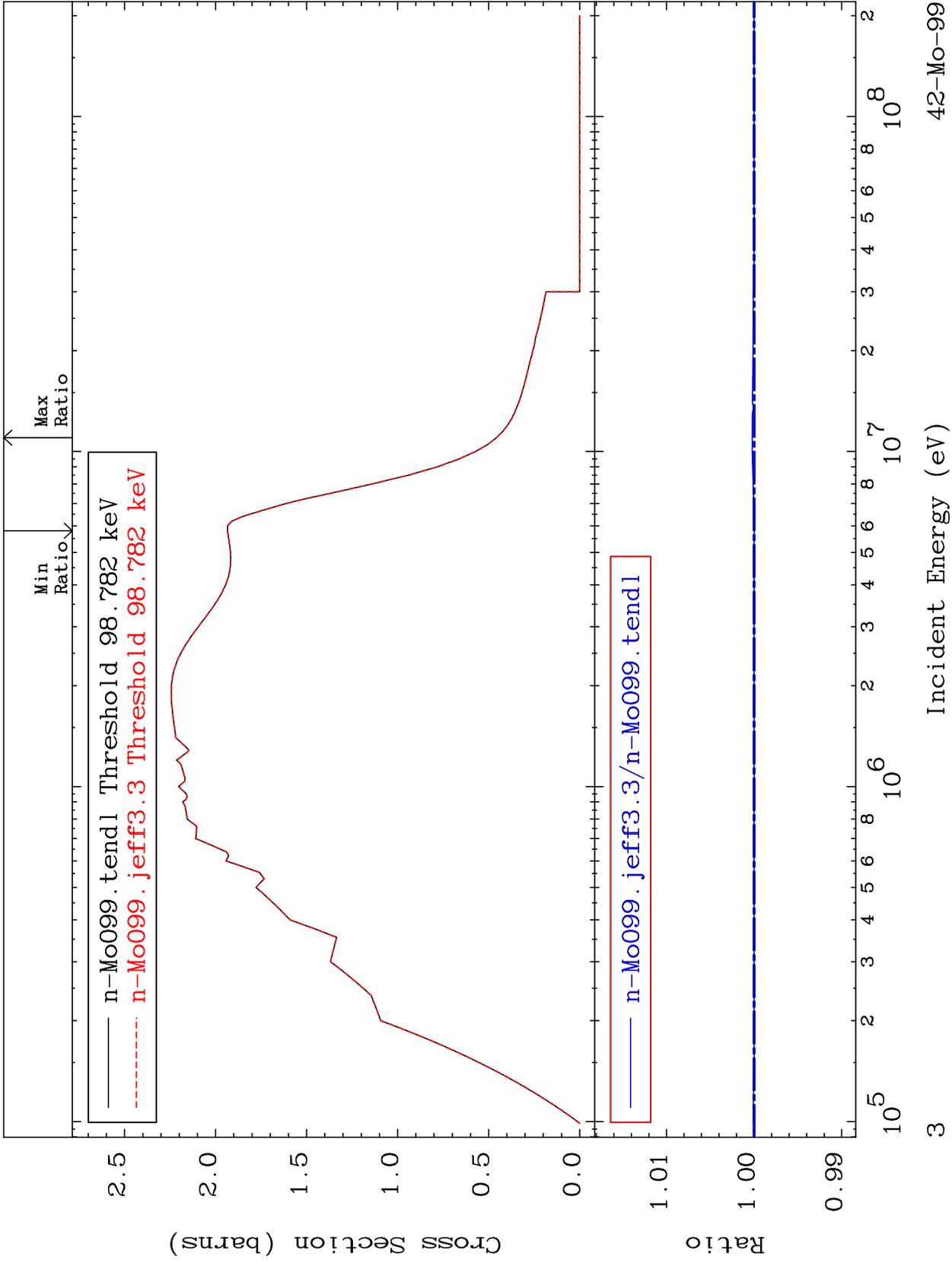
Incident Energy (eV)



MAT 4246

Inelastic
Cross Section

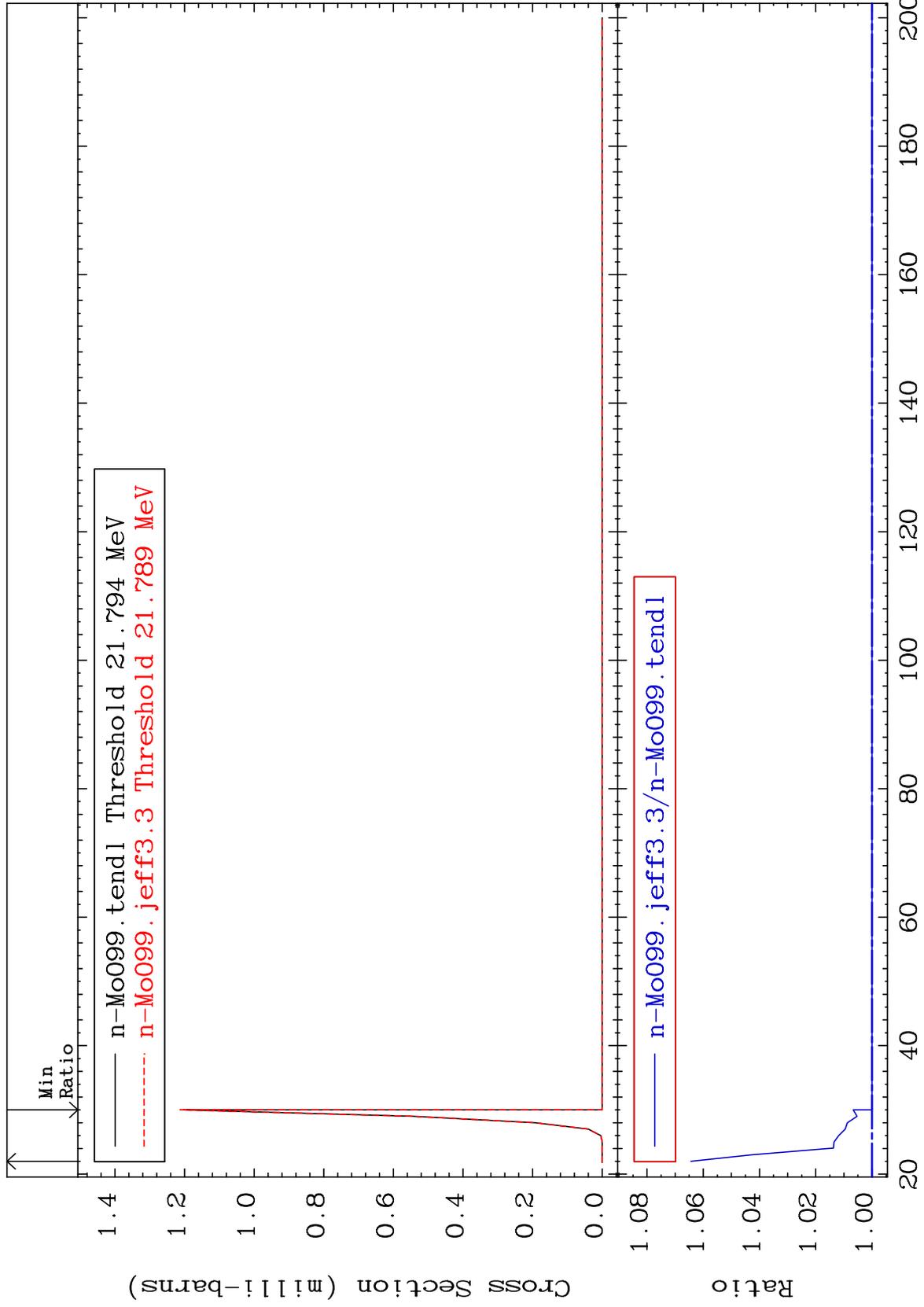
42-Mo-99
-0.001 To 0.022 %

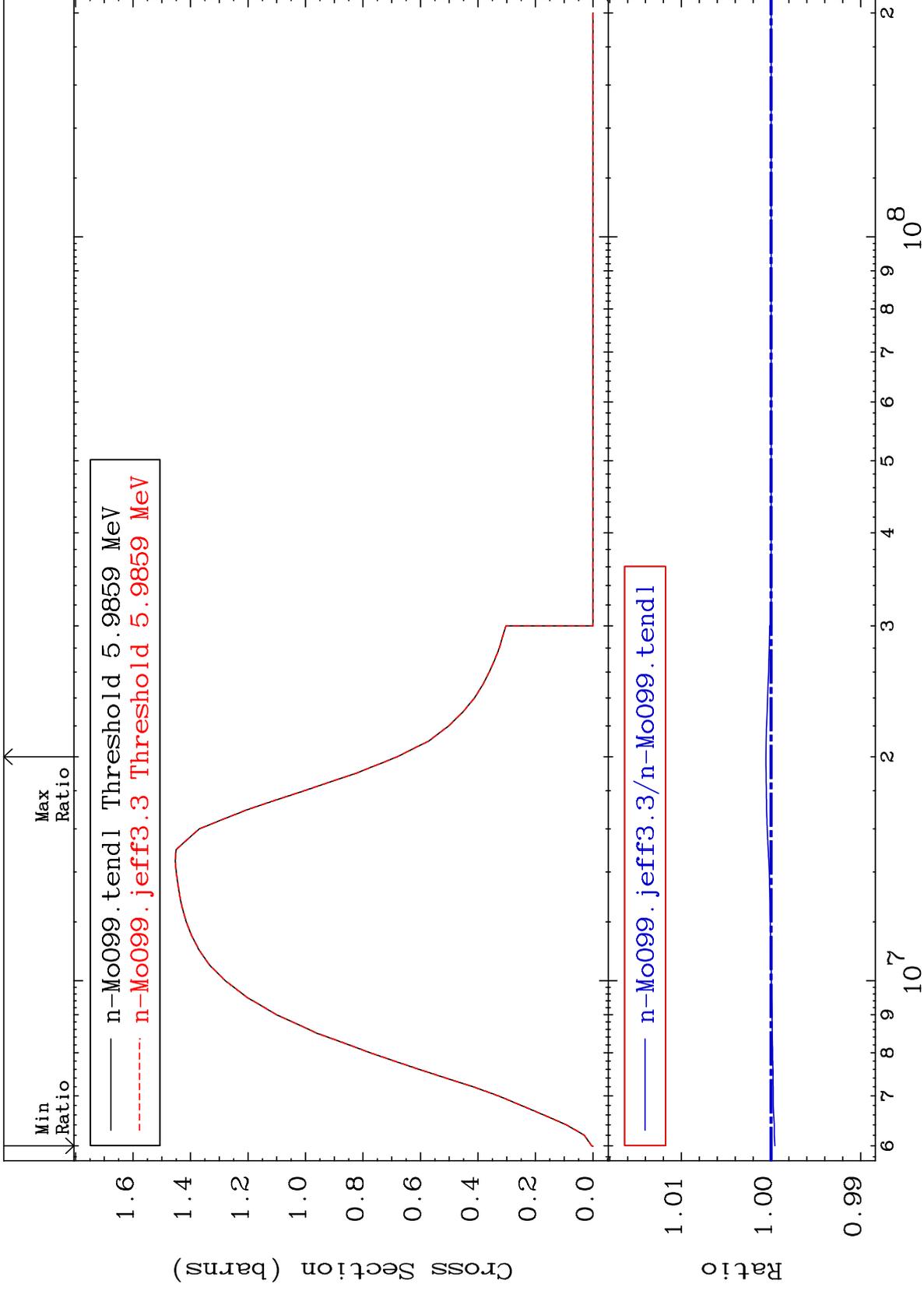


MAT 4246

(n,2n) d
Cross Section

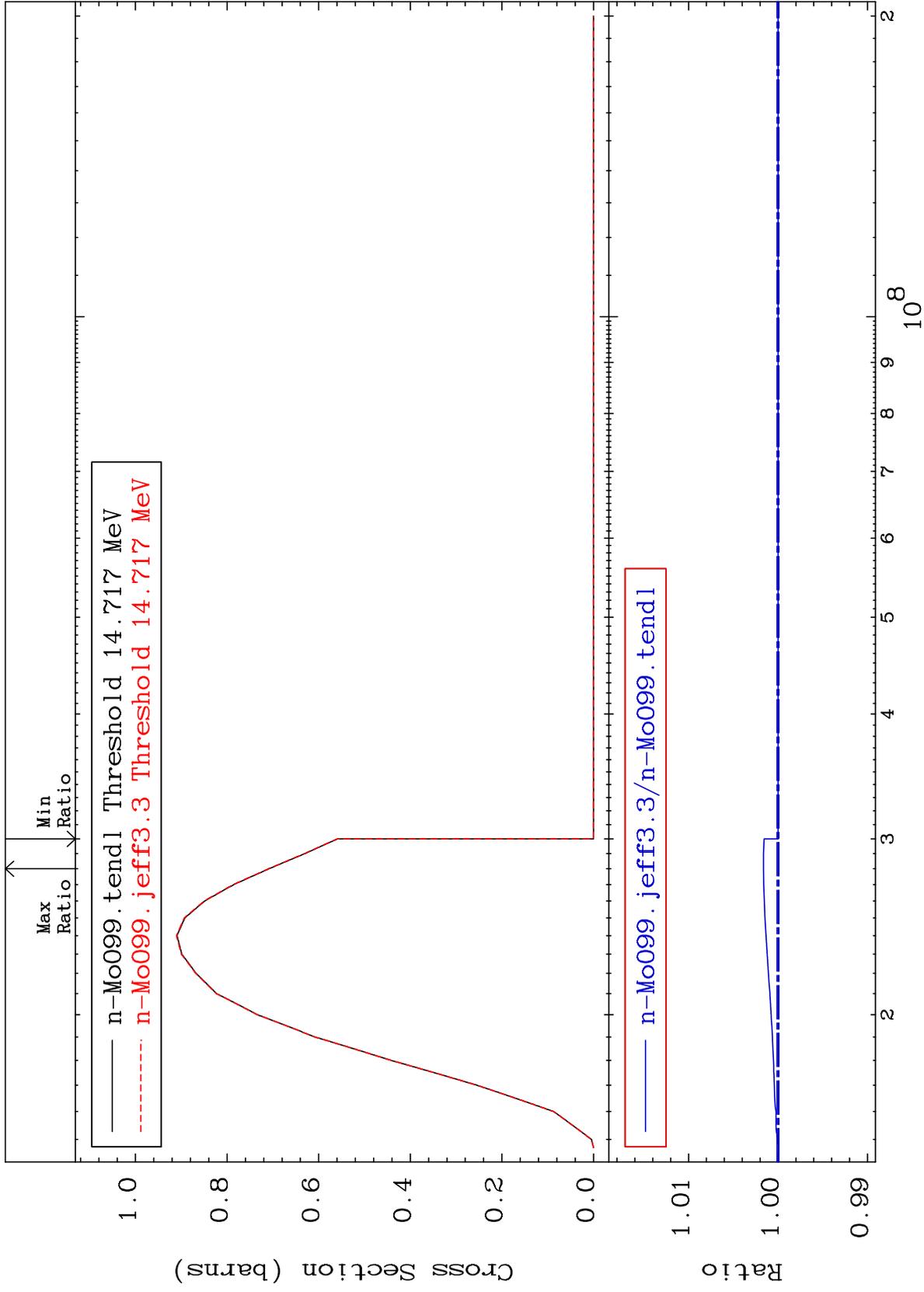
42-Mo-99
To 6.440 %
0.000





Cross Section

0.000 To 0.164 %

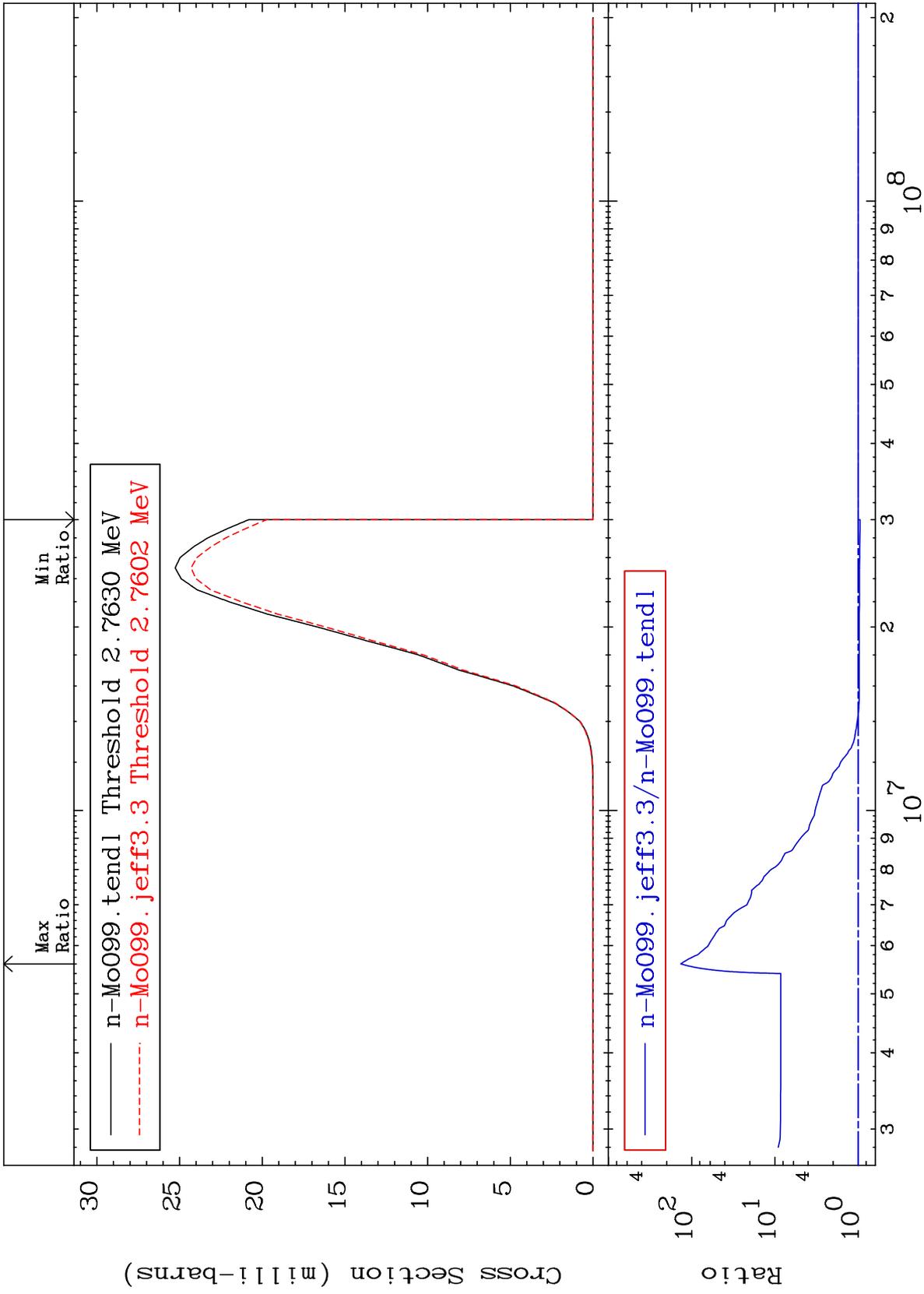


MAT 4246

(n, n') α
Cross Section

42-Mo-99

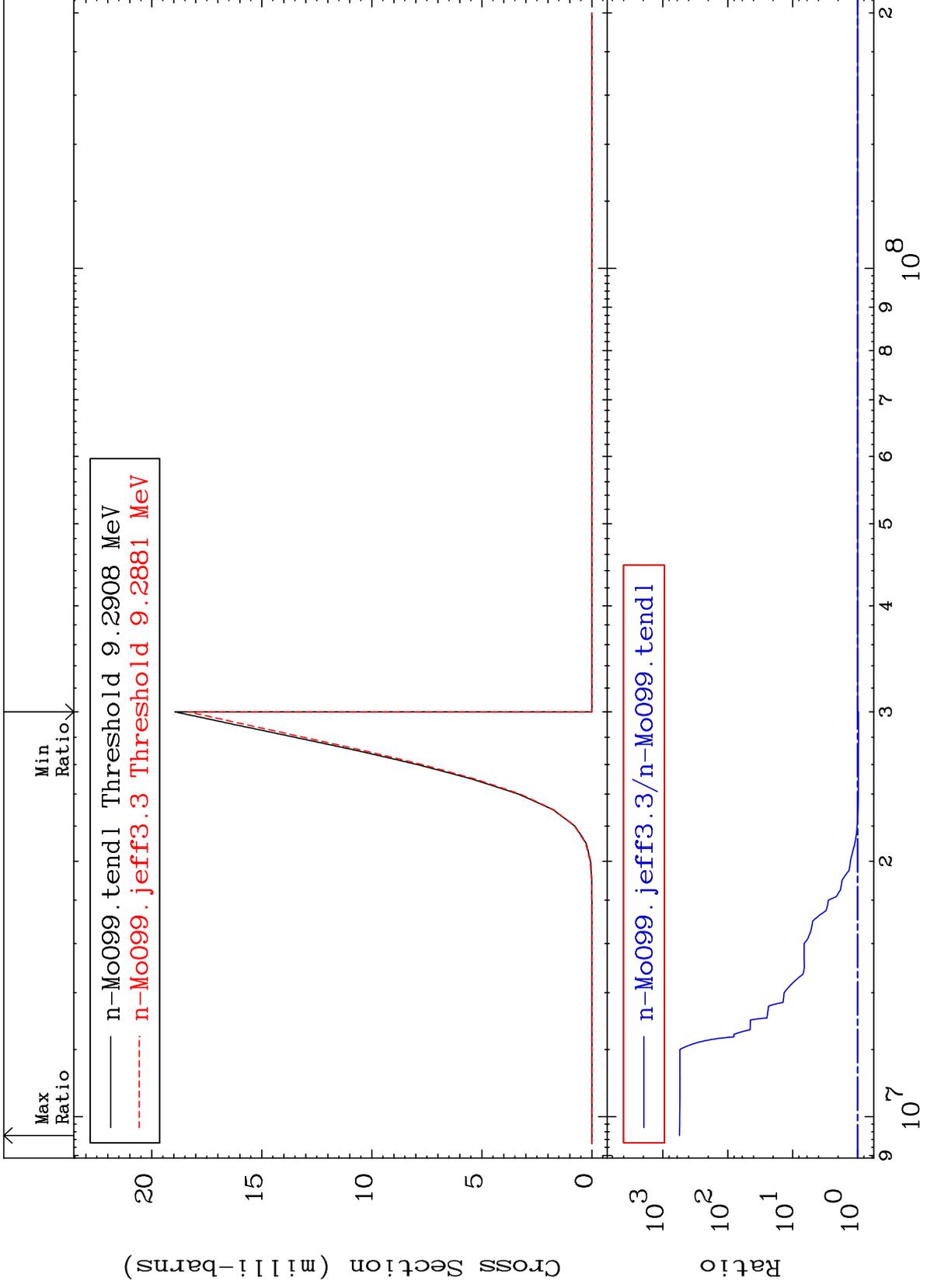
-5.205 To 9999. %



MAT 4246

(n,2n) α
Cross Section

42-Mo-99
-3.228 To 9999. %



Incident Energy (eV)

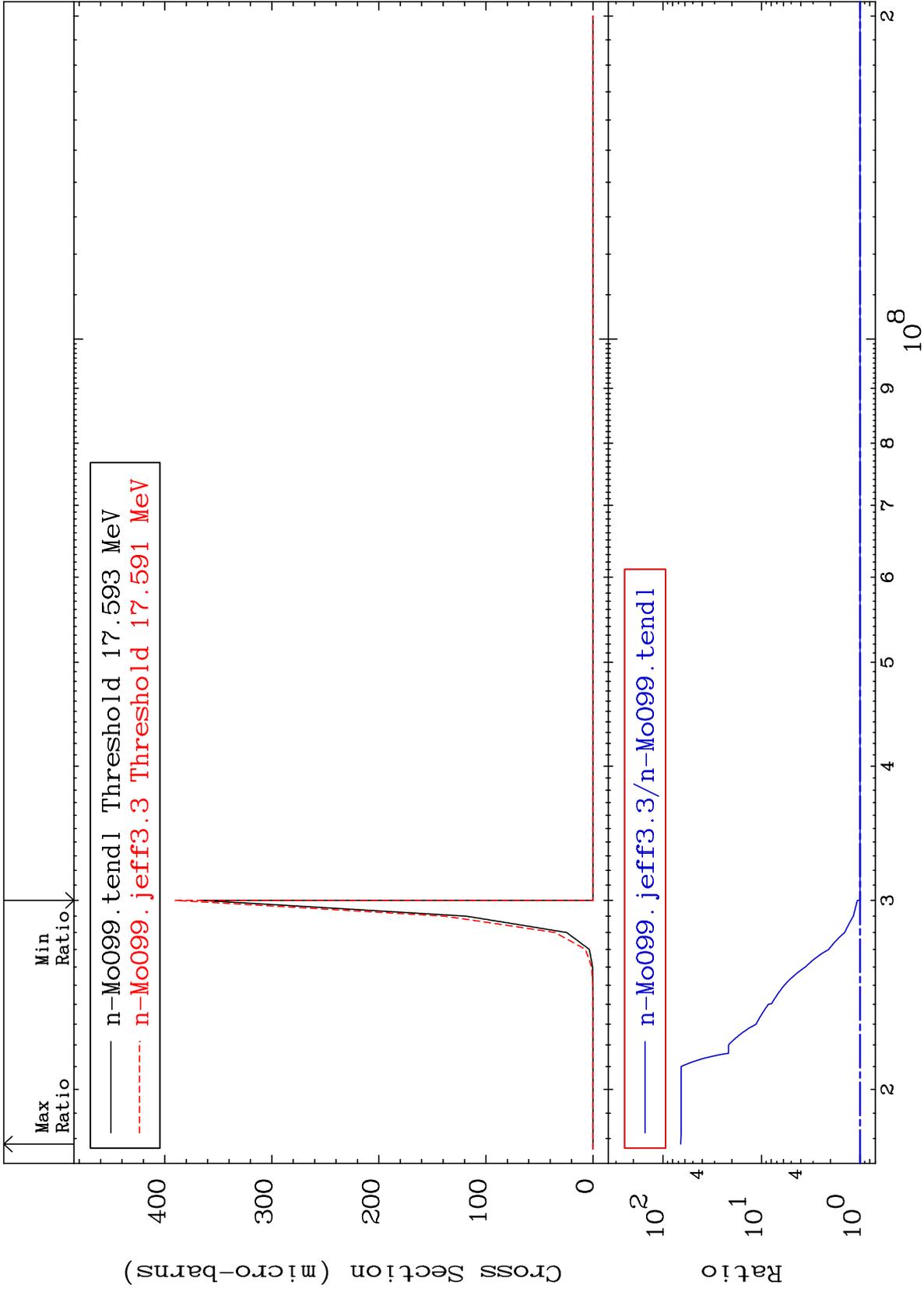
8

42-Mo-99

MAT 4246

(n,3n) α
Cross Section

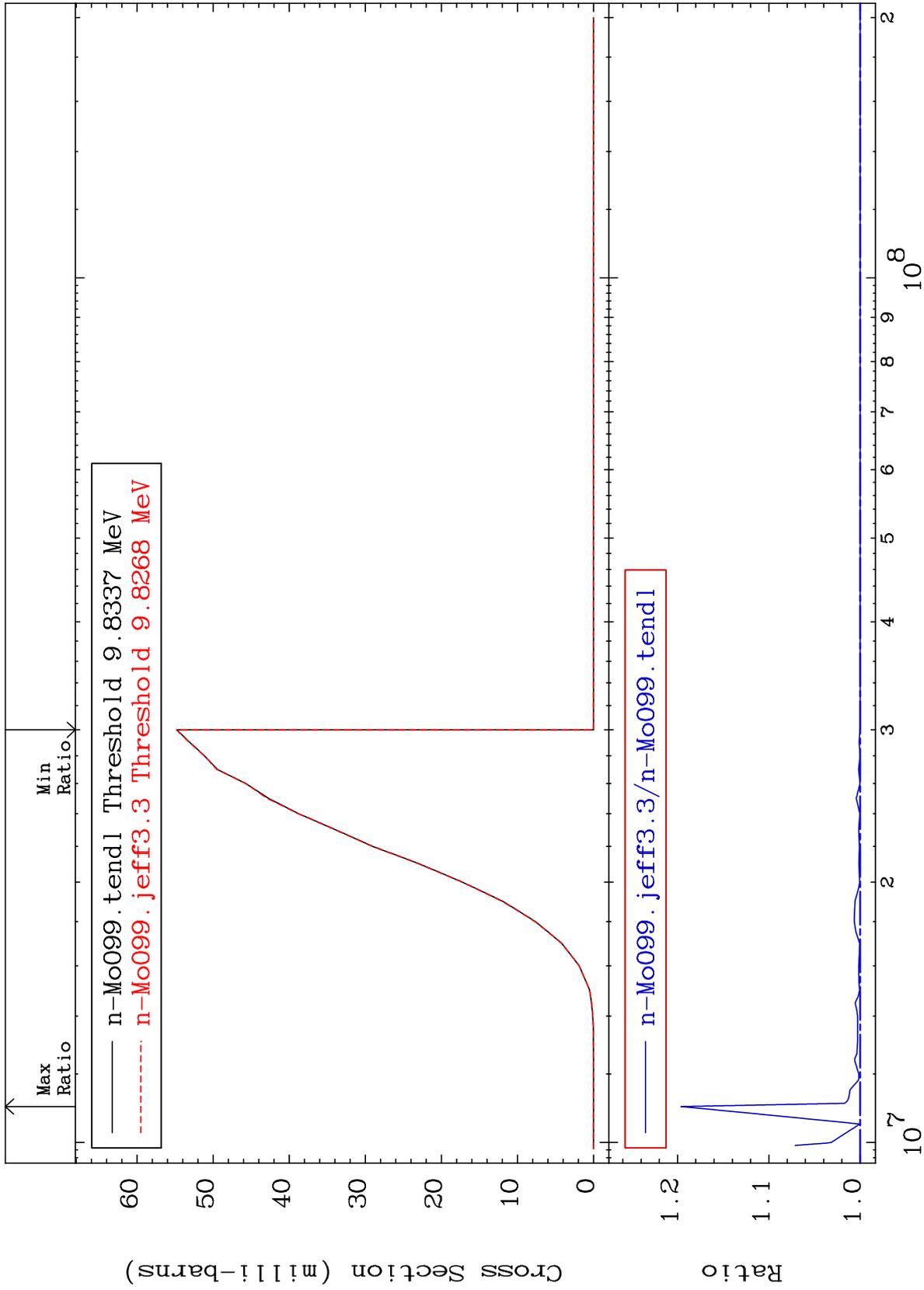
42-Mo-99
To 6513. %
0.000



MAT 4246

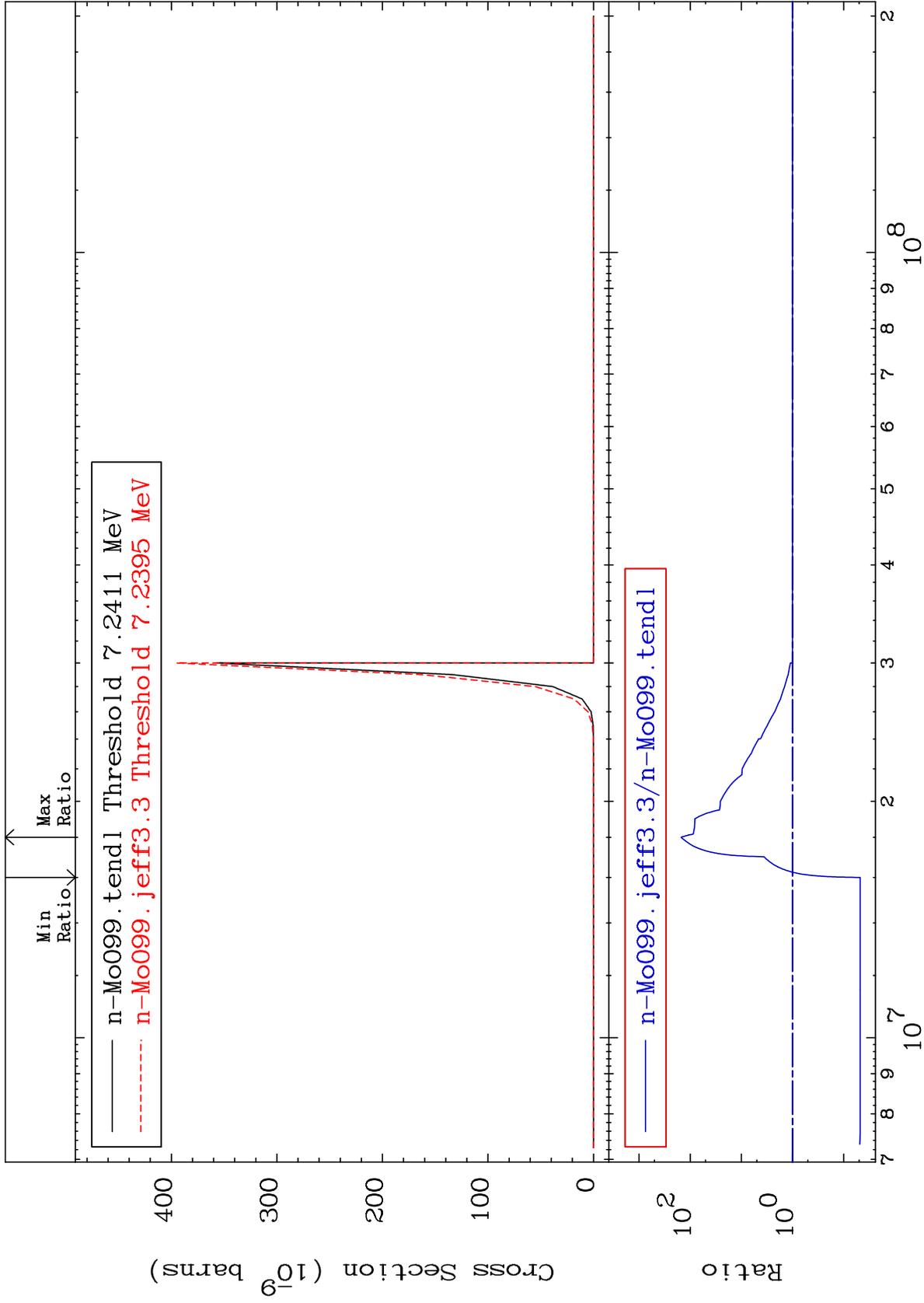
(n,n') p
Cross Section

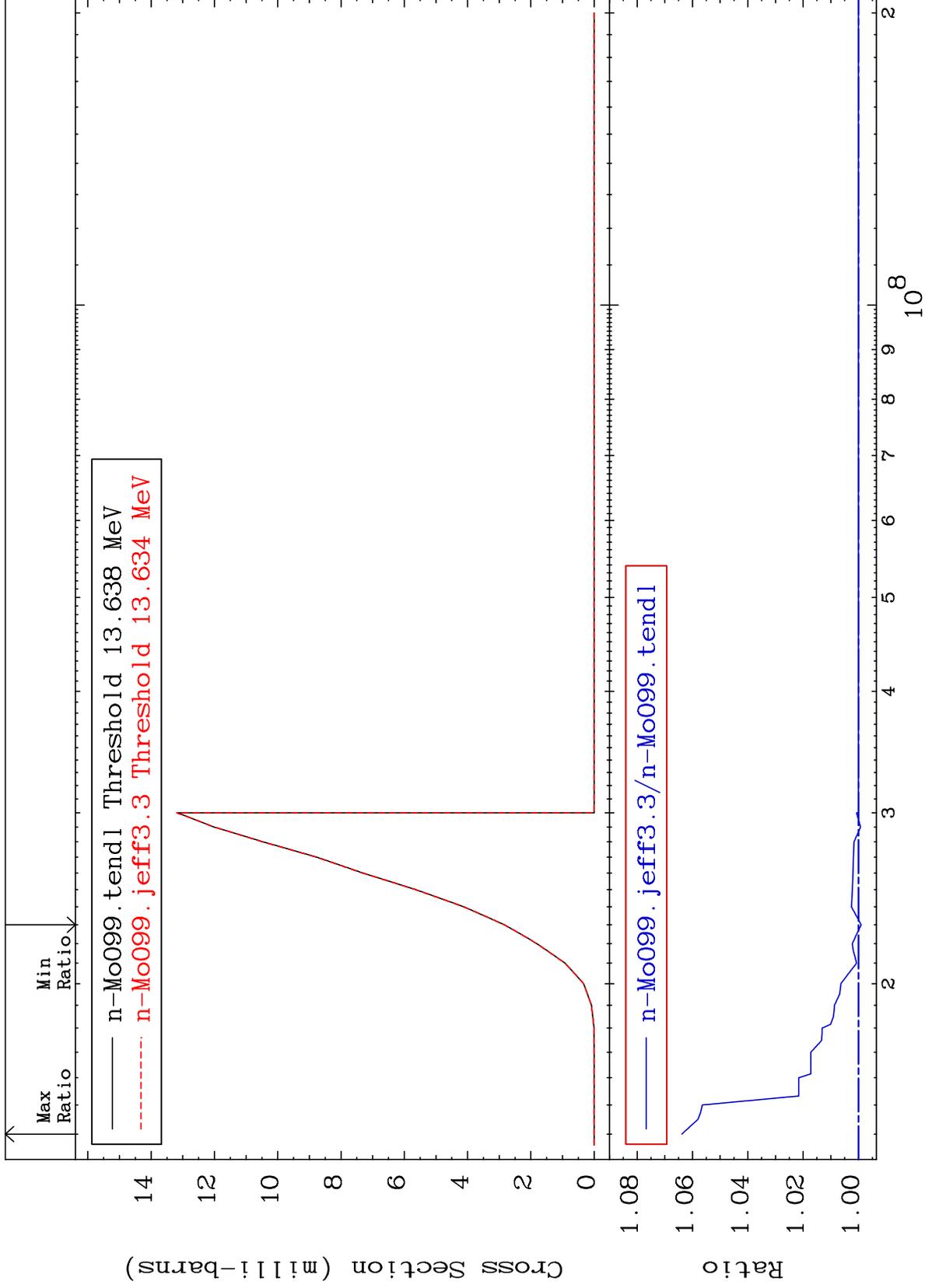
42-Mo-99
0.000 To 19.60 %



Incident Energy (eV)

42-Mo-99





MAT 4246

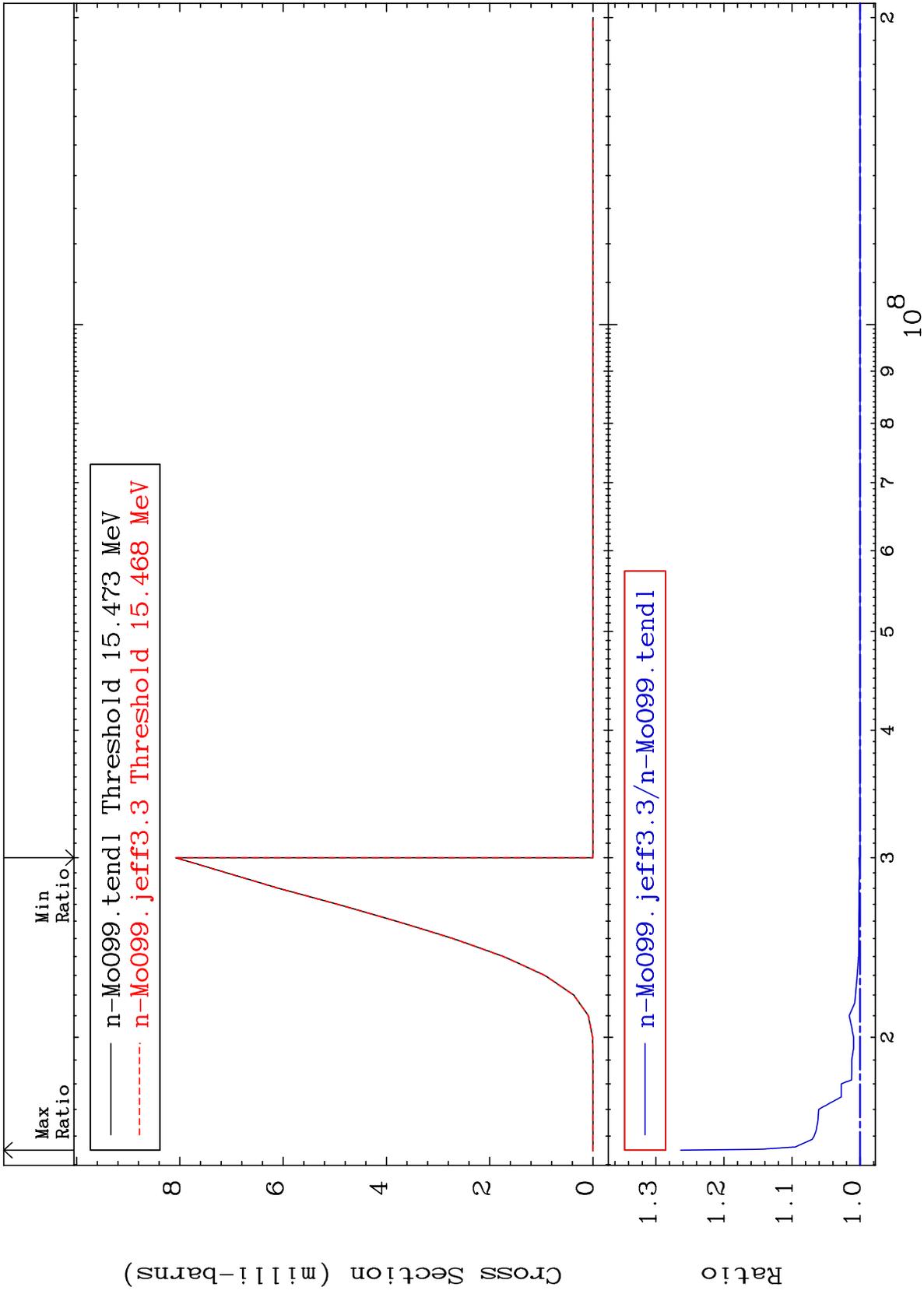
(n,n') t

42-Mo-99

Cross Section

0.000

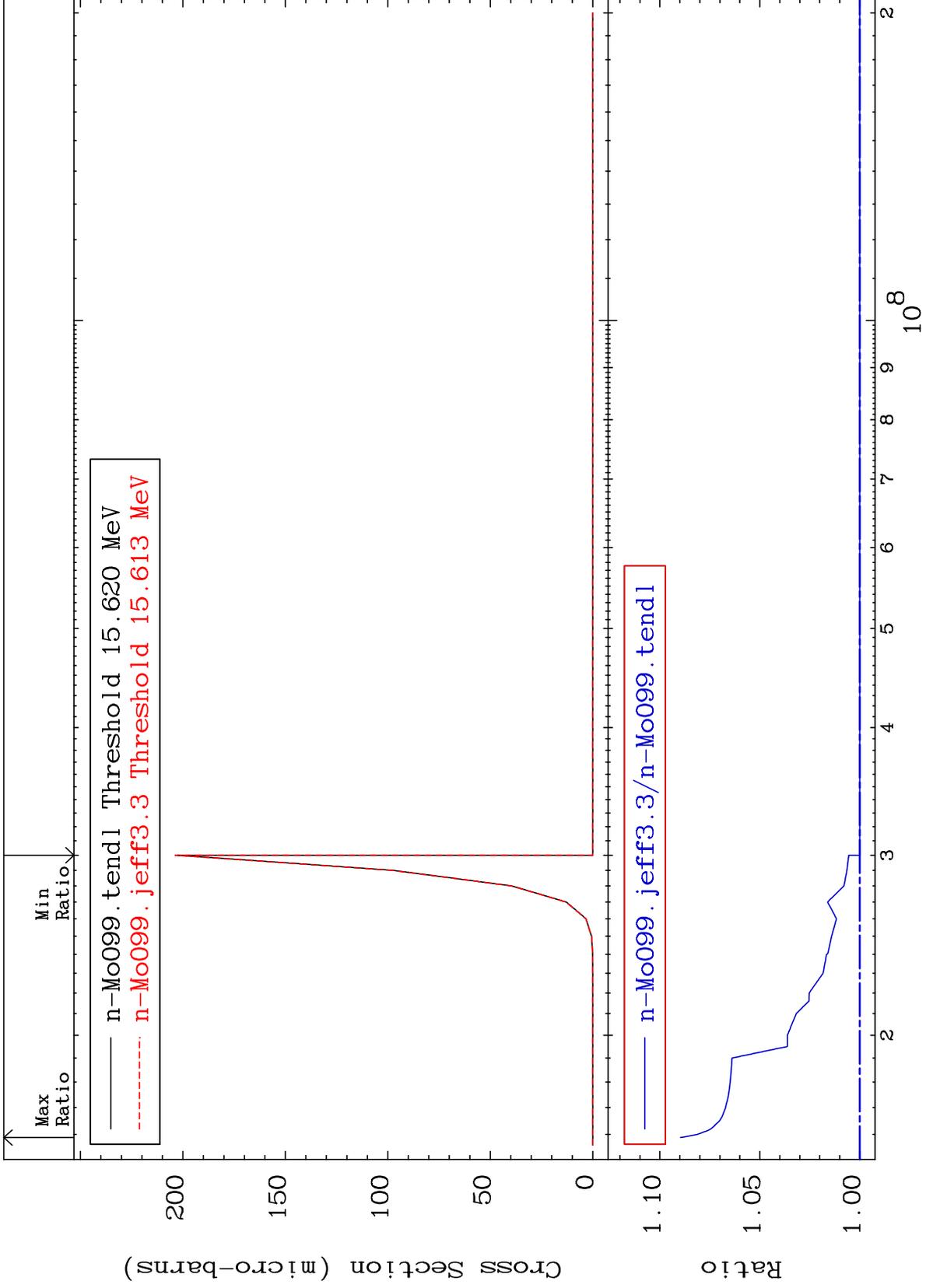
To 26.34 %



MAT 4246

(n, n') He-3
Cross Section

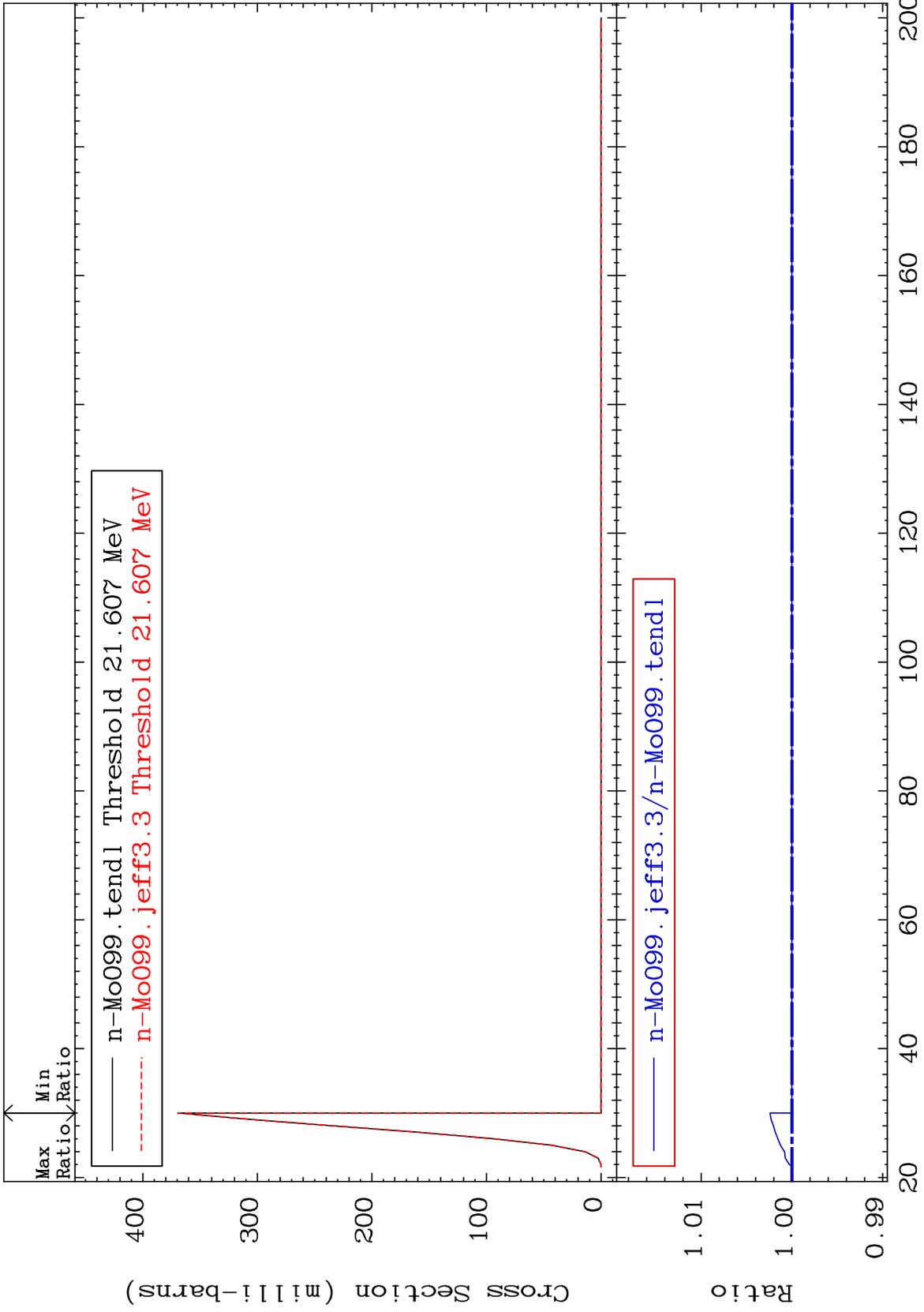
42-Mo-99
0.000 To 8.967 %



MAT 4246

(n,4n)
Cross Section

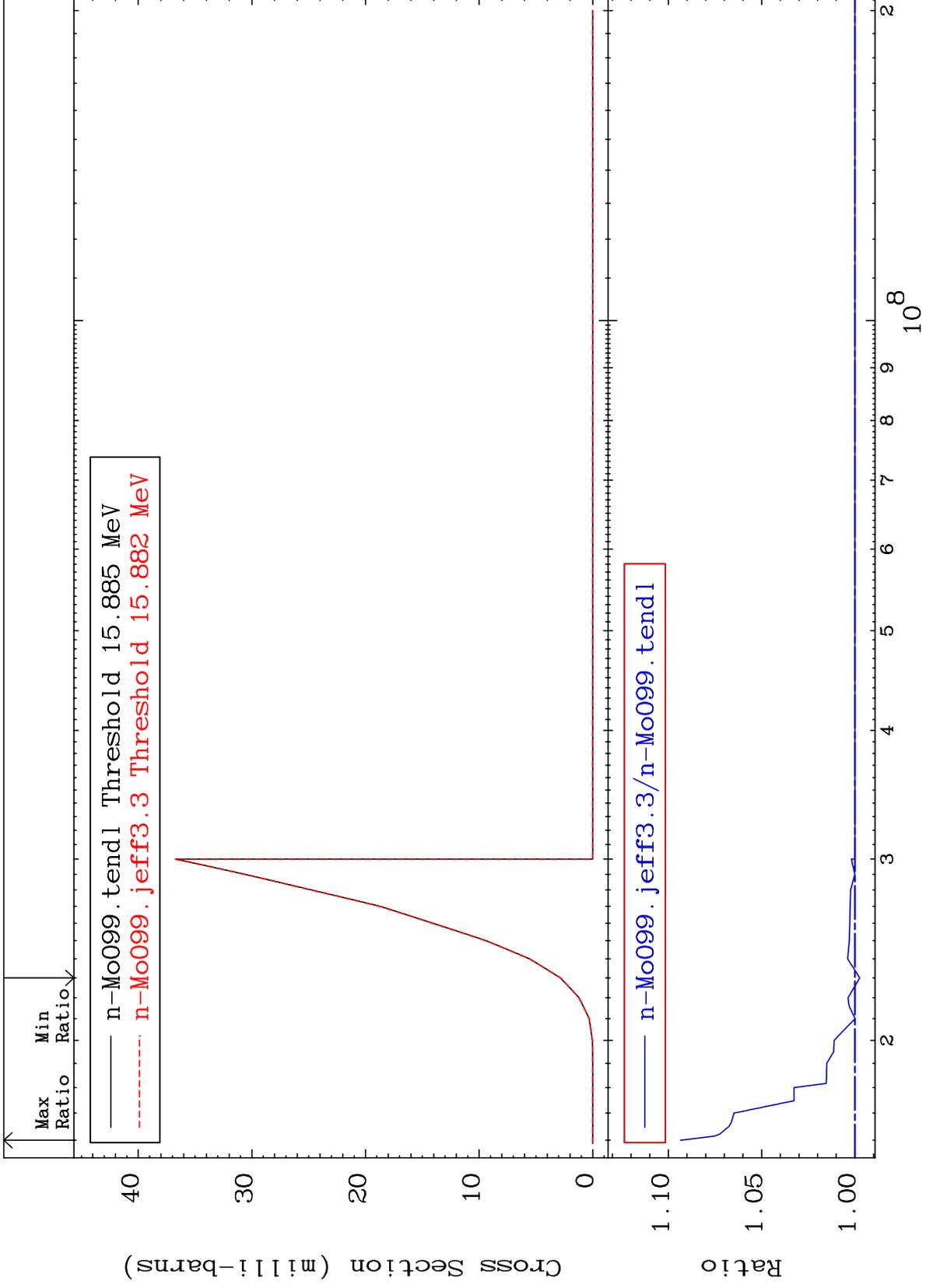
42-Mo-99
0.000 To 0.242 %



MAT 4246

(n,2n) p
Cross Section

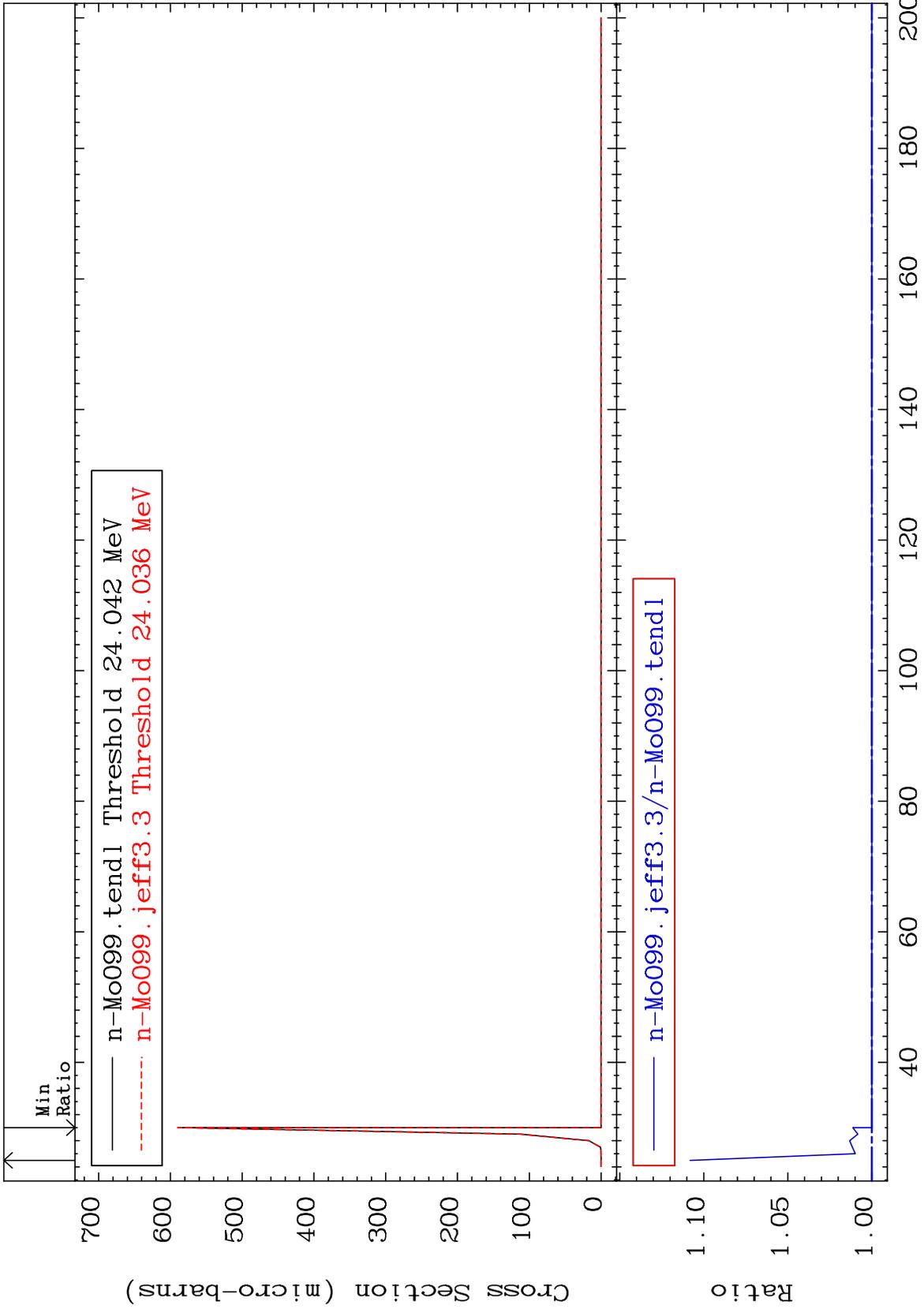
42-Mo-99
-0.259 To 9.348 %



MAT 4246

(n,3n) p
Cross Section

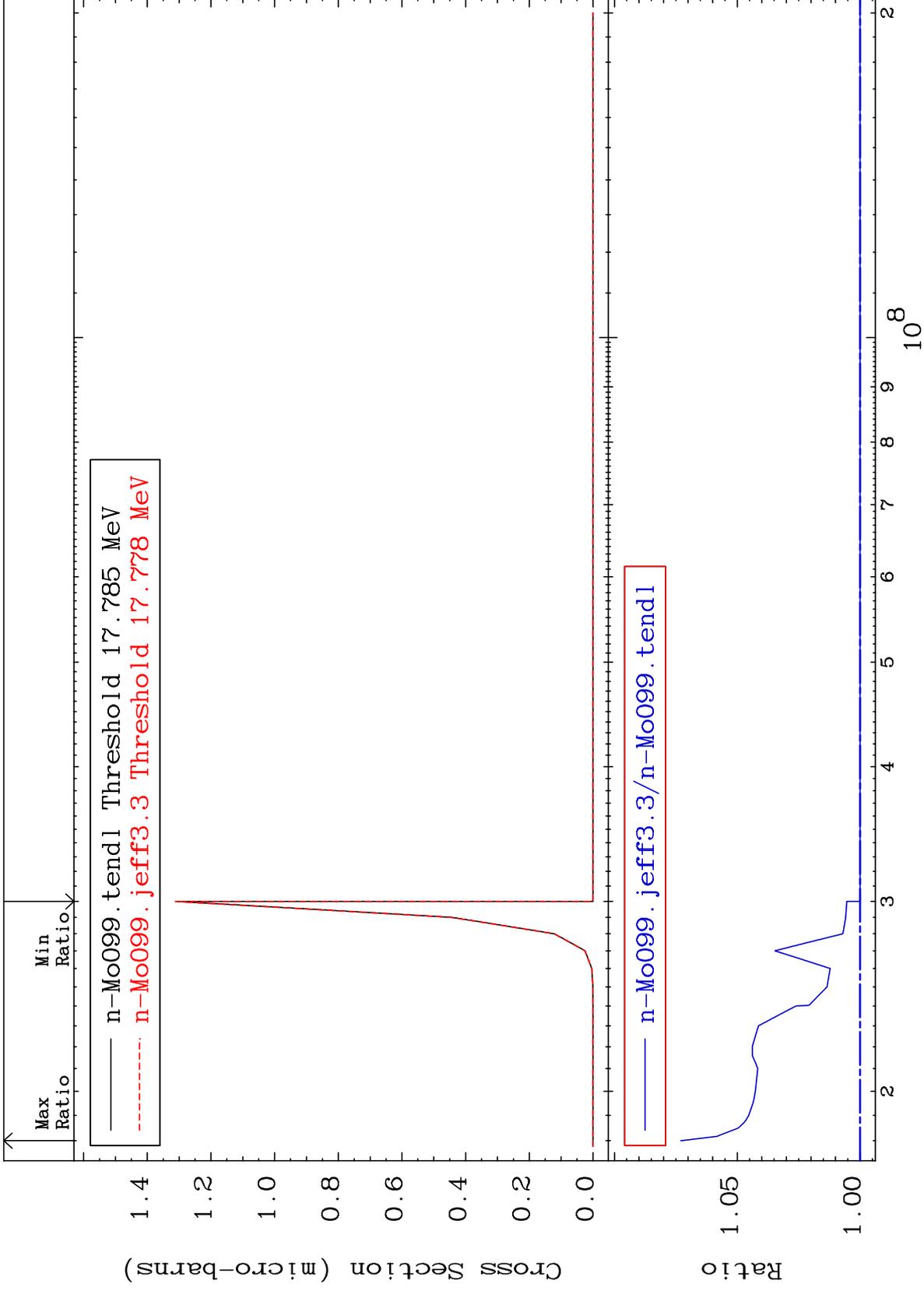
42-Mo-99
0.000 To 10.81 %

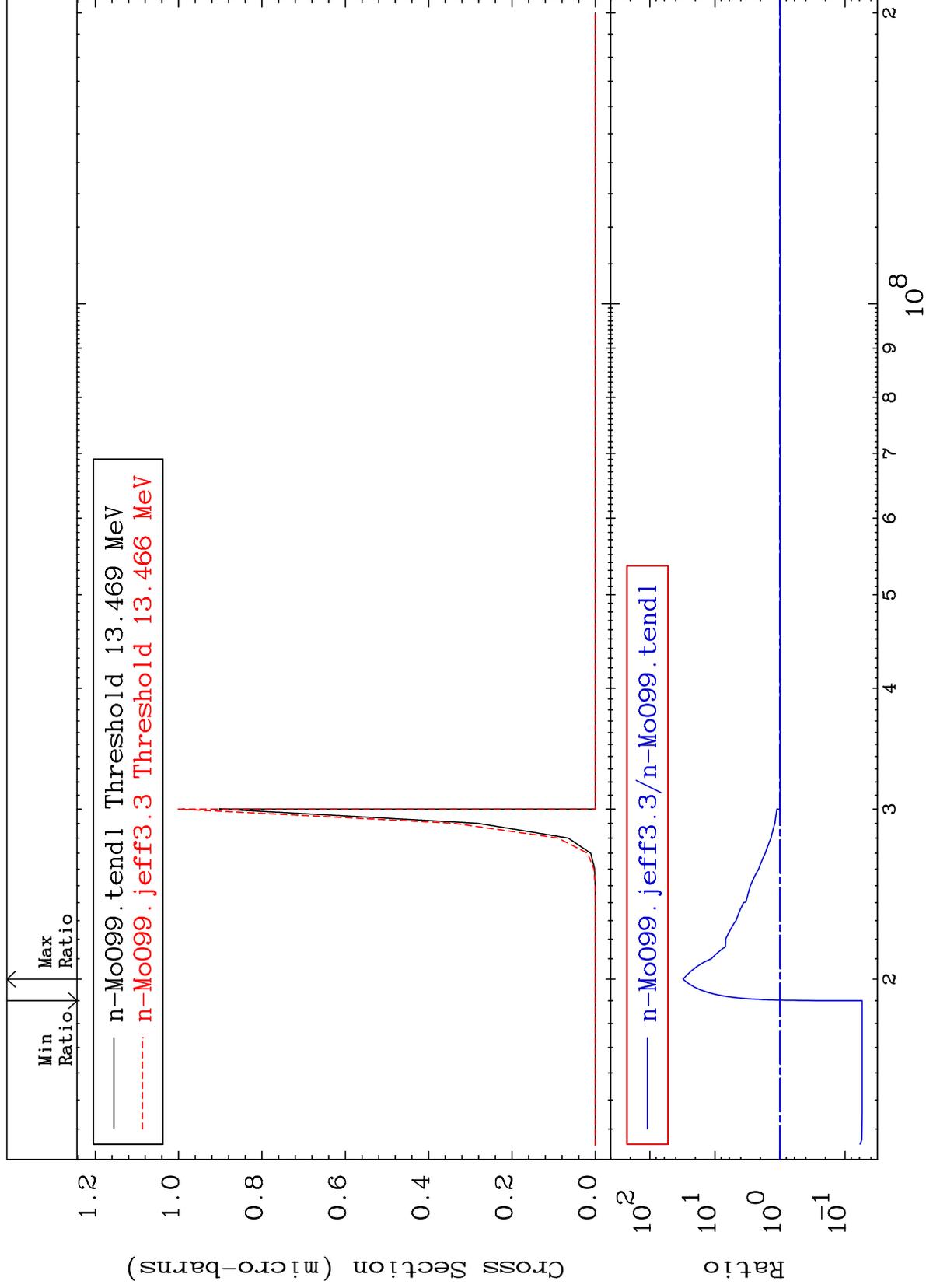


MAT 4246

(n,2n) p
Cross Section

42-Mo-99
To 7.300 %
0.000

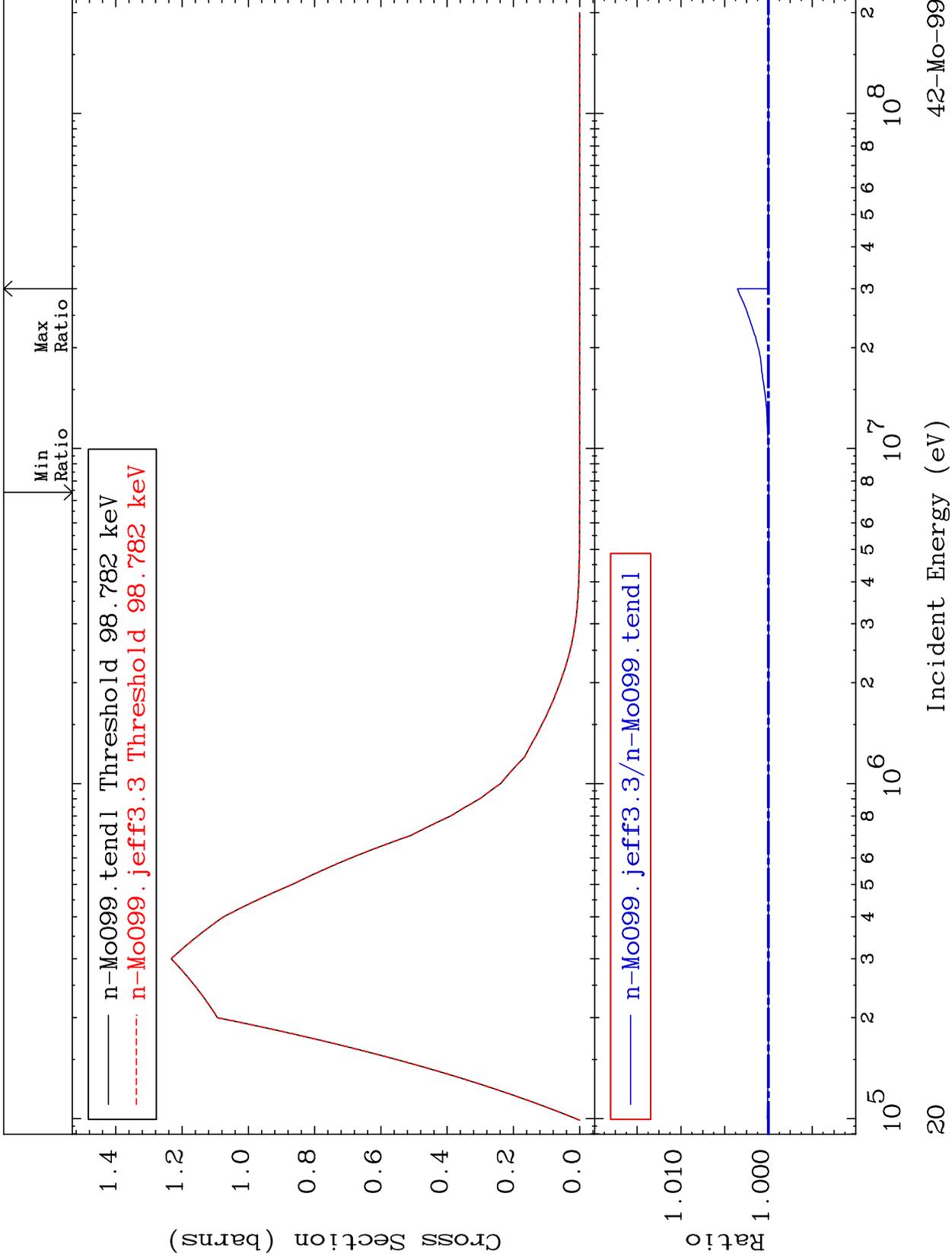




MAT 4246

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

42-Mo-99
-0.005 To 0.353 %



42-Mo-99

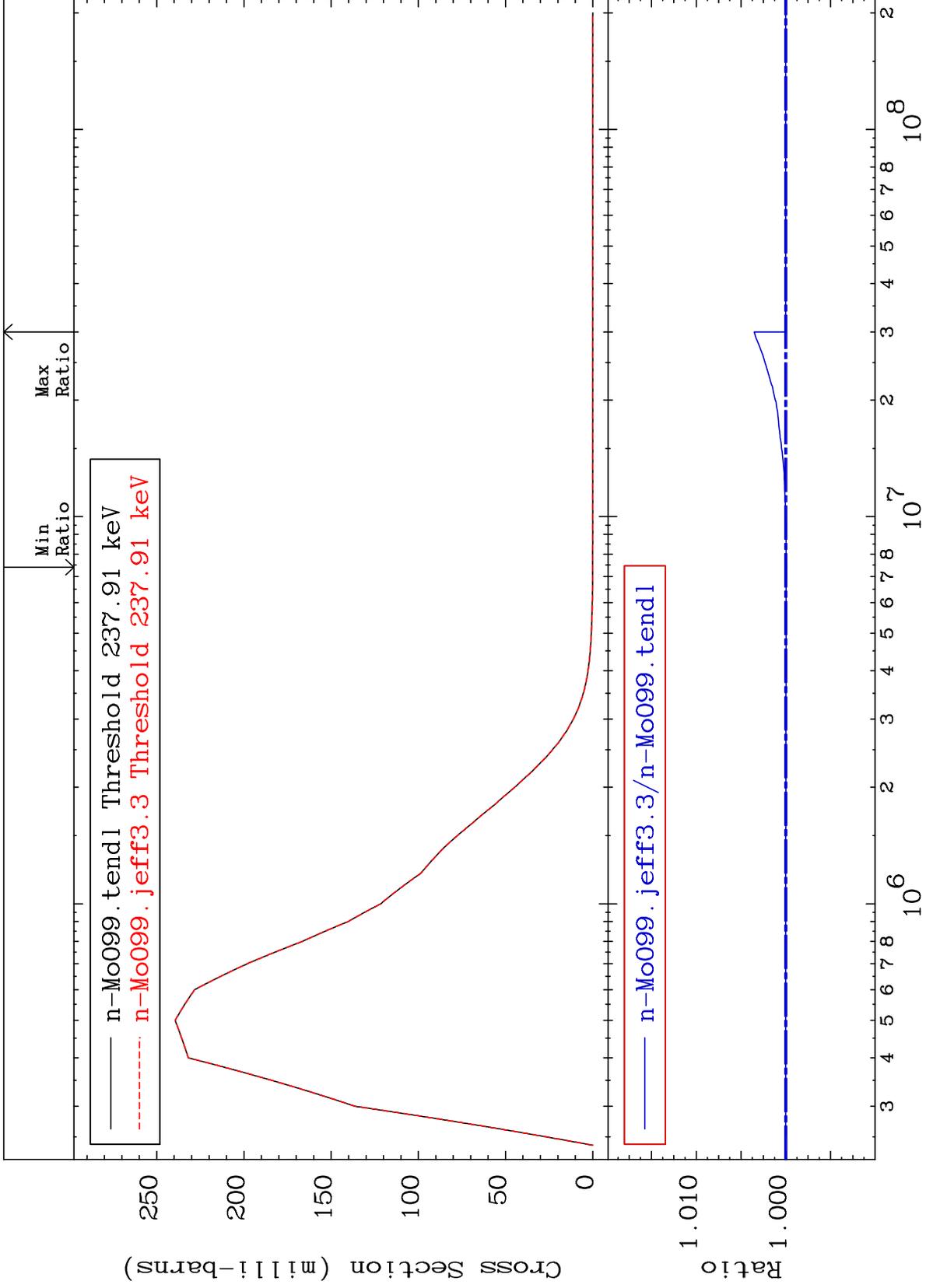
Incident Energy (eV)

20

MAT 4246

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

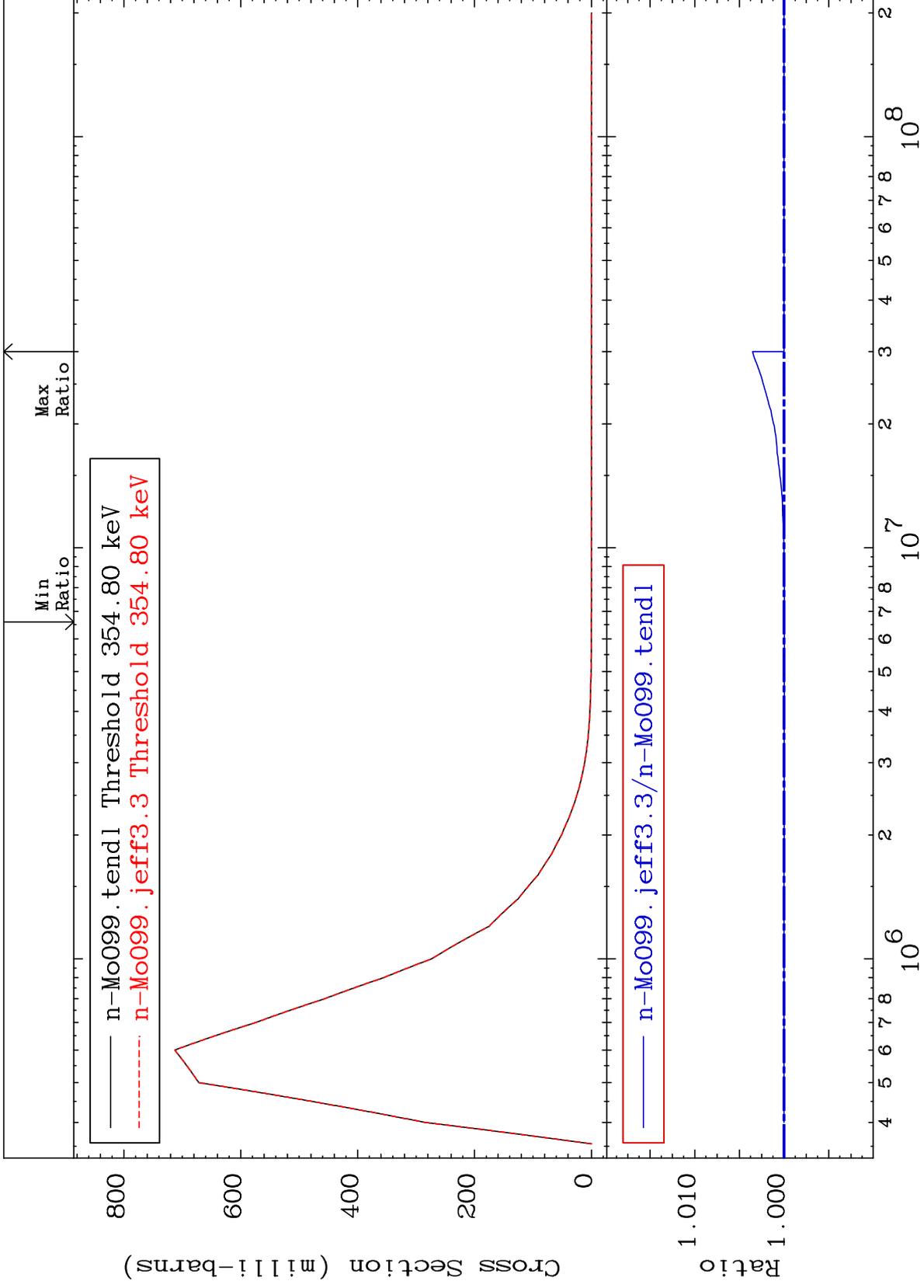
42-Mo-99
-0.005 To 0.354 %

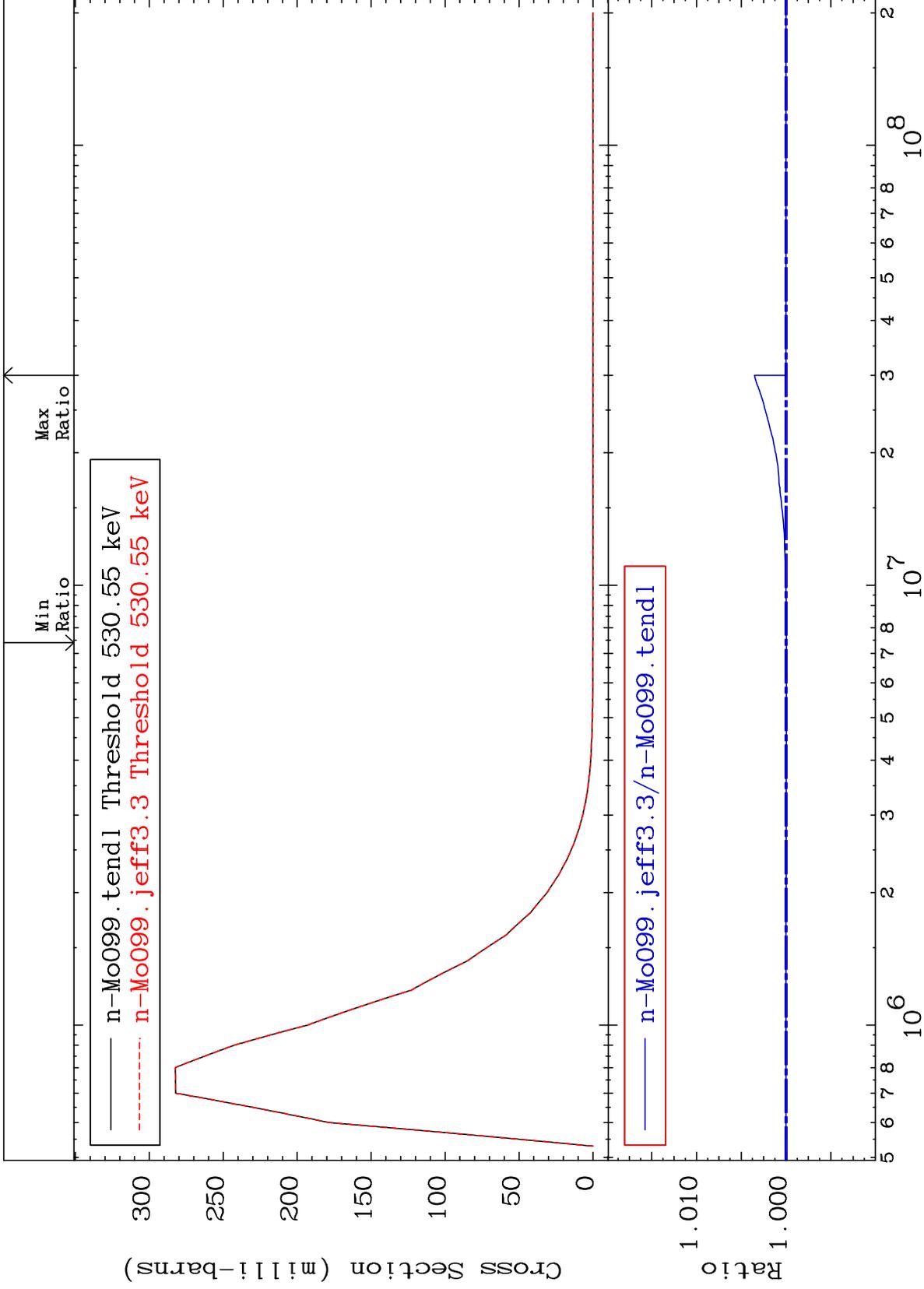


MAT 4246

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

42-Mo-99
-0.005 To 0.353 %

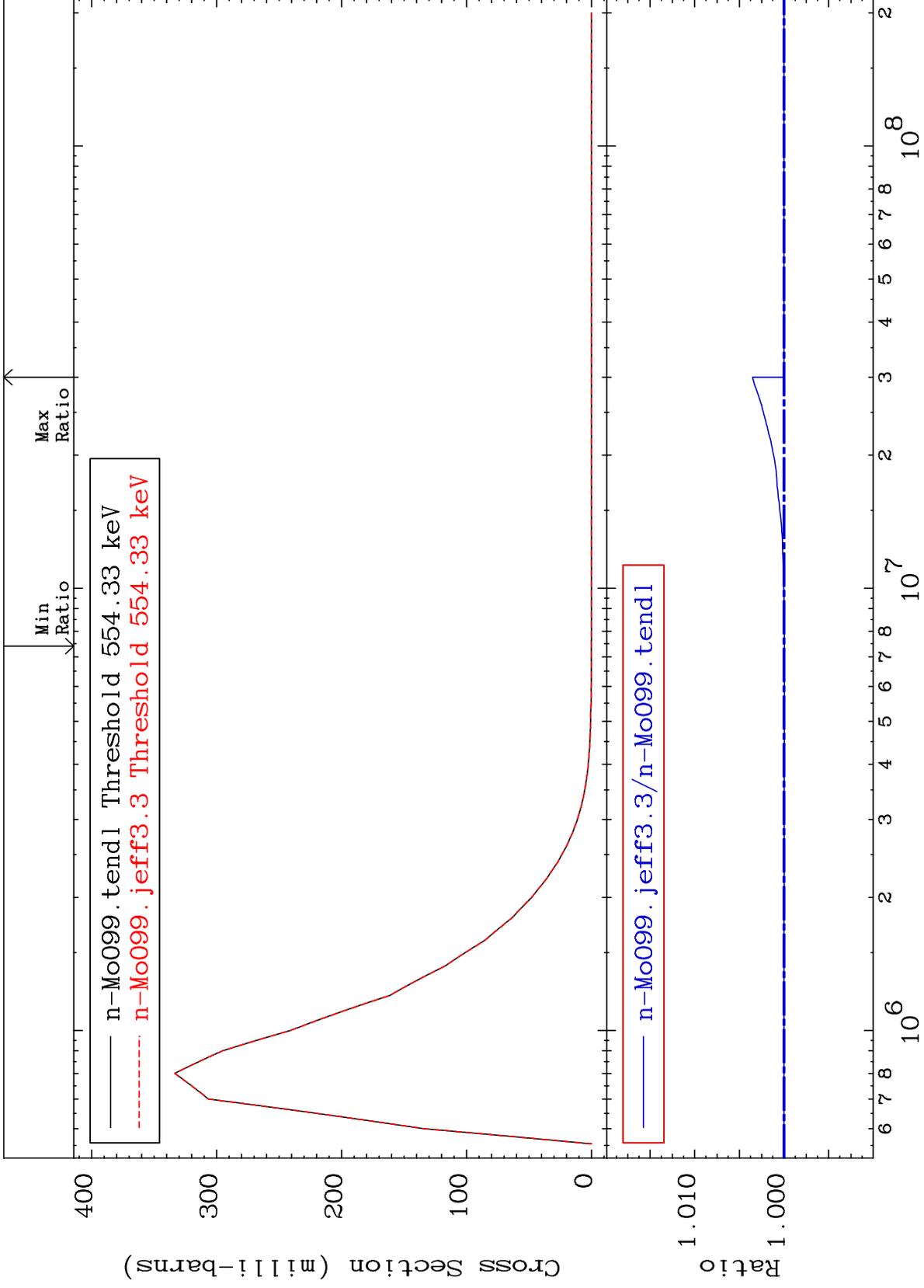




MAT 4246

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

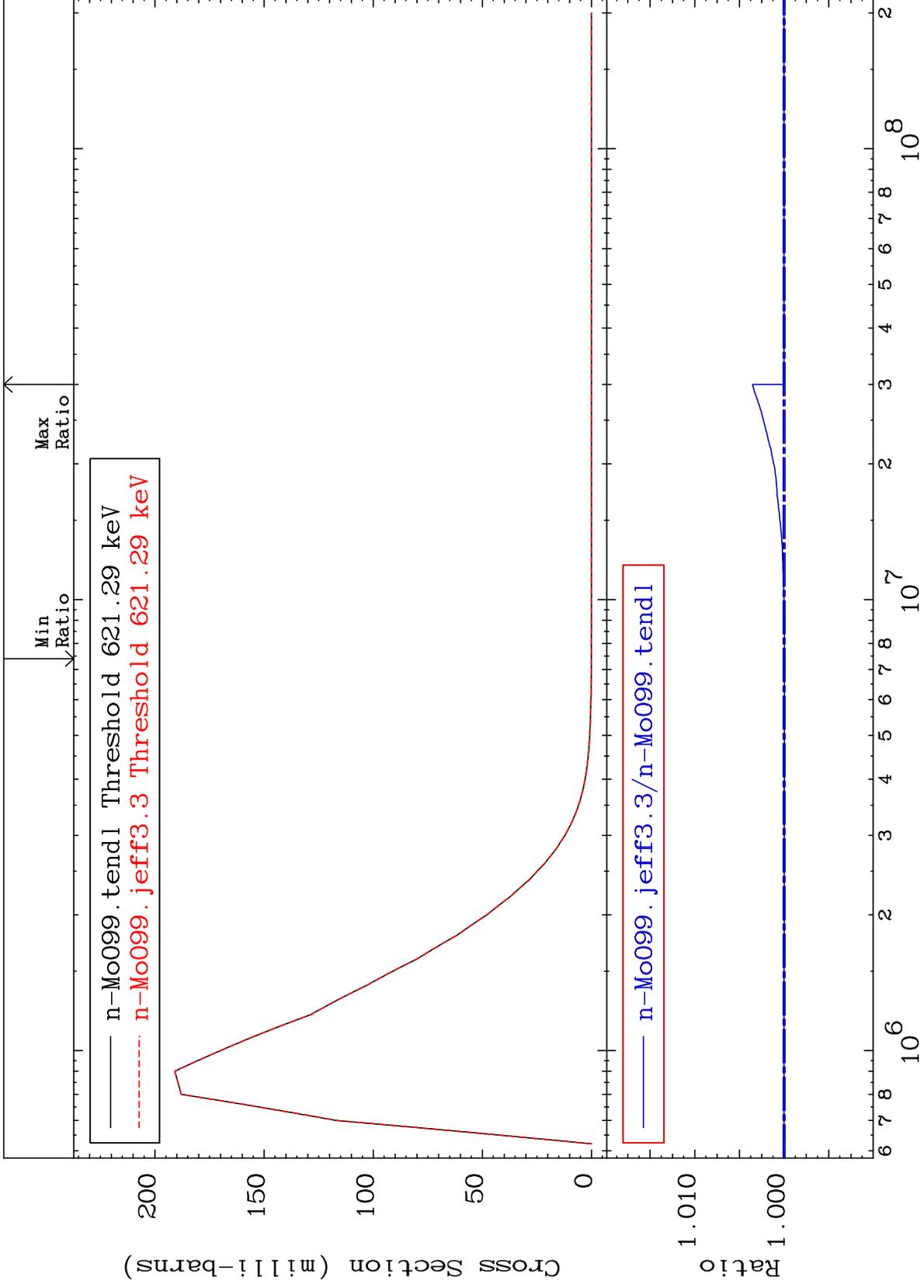
42-Mo-99
-0.005 To 0.353 %

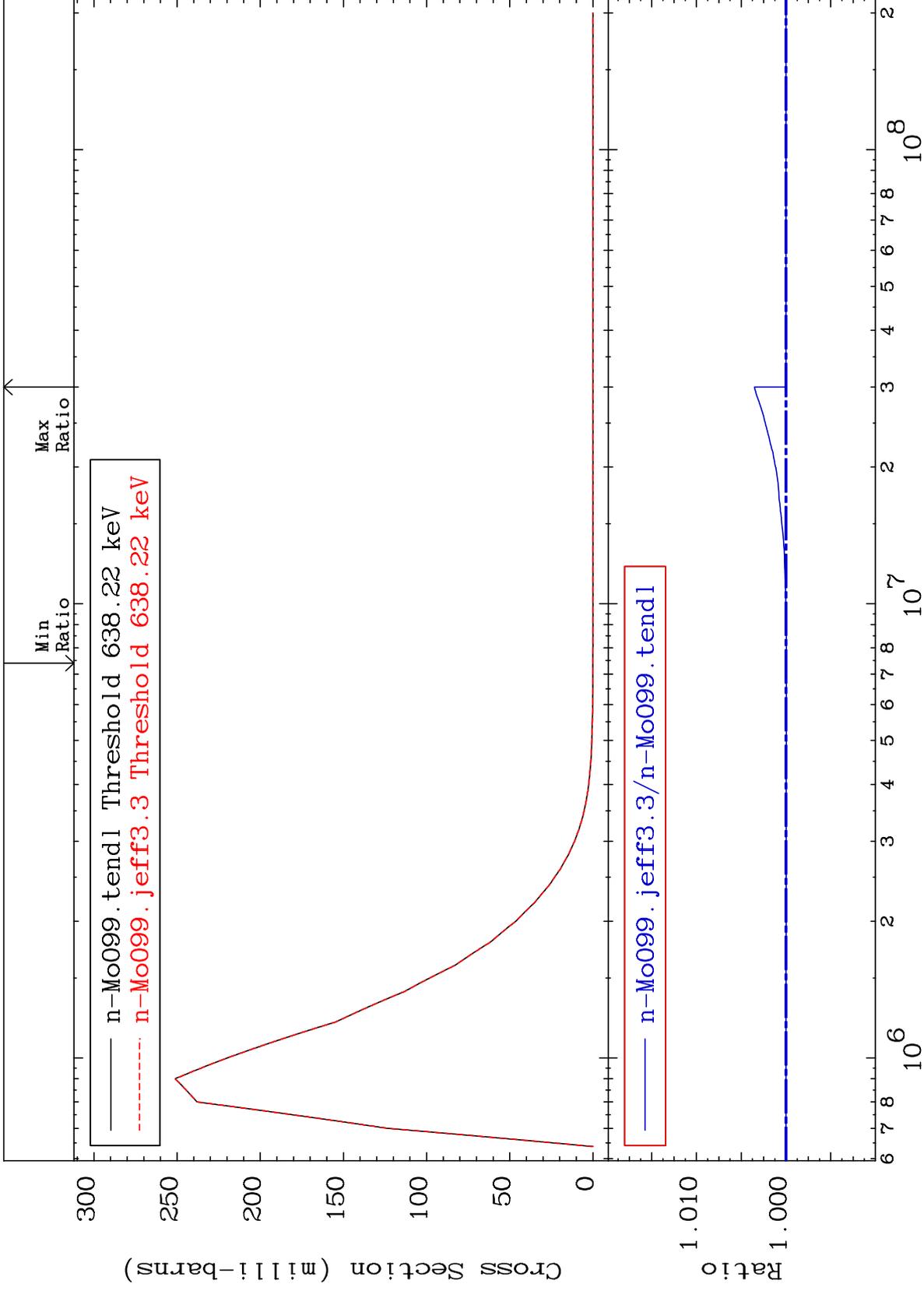


MAT 4246

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

42-Mo-99
-0.005 To 0.354 %

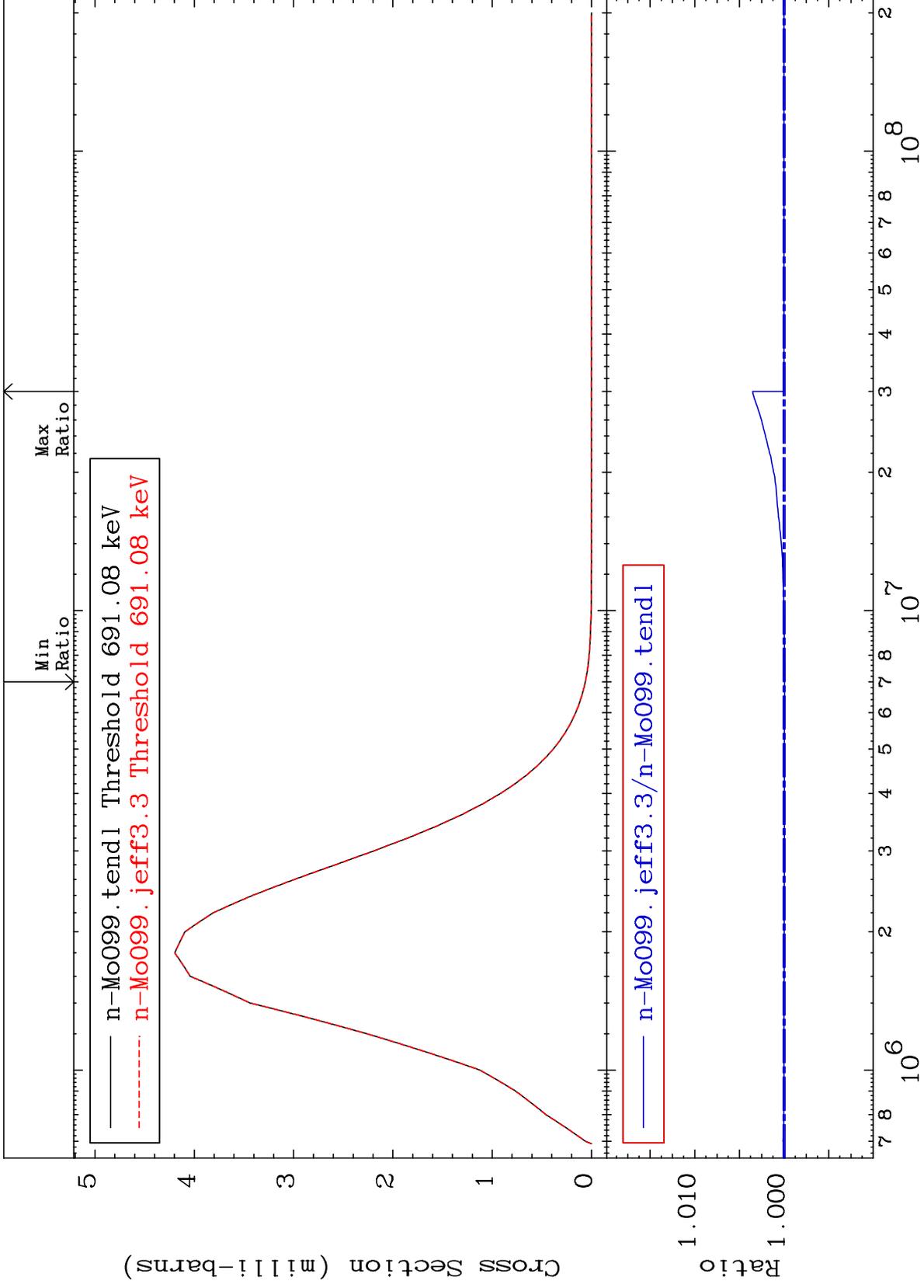




MAT 4246

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

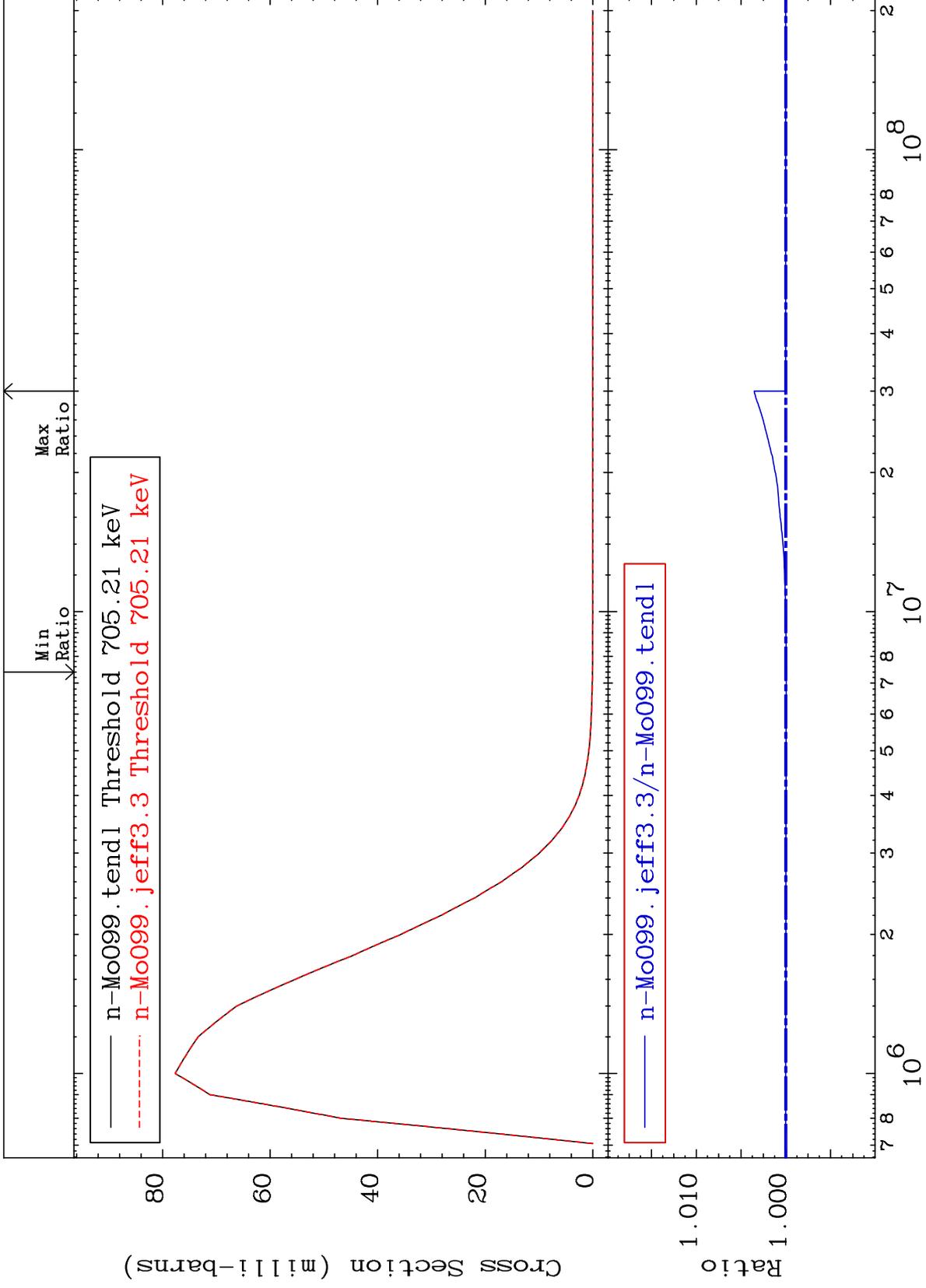
42-Mo-99
-0.006 To 0.354 %



MAT 4246

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

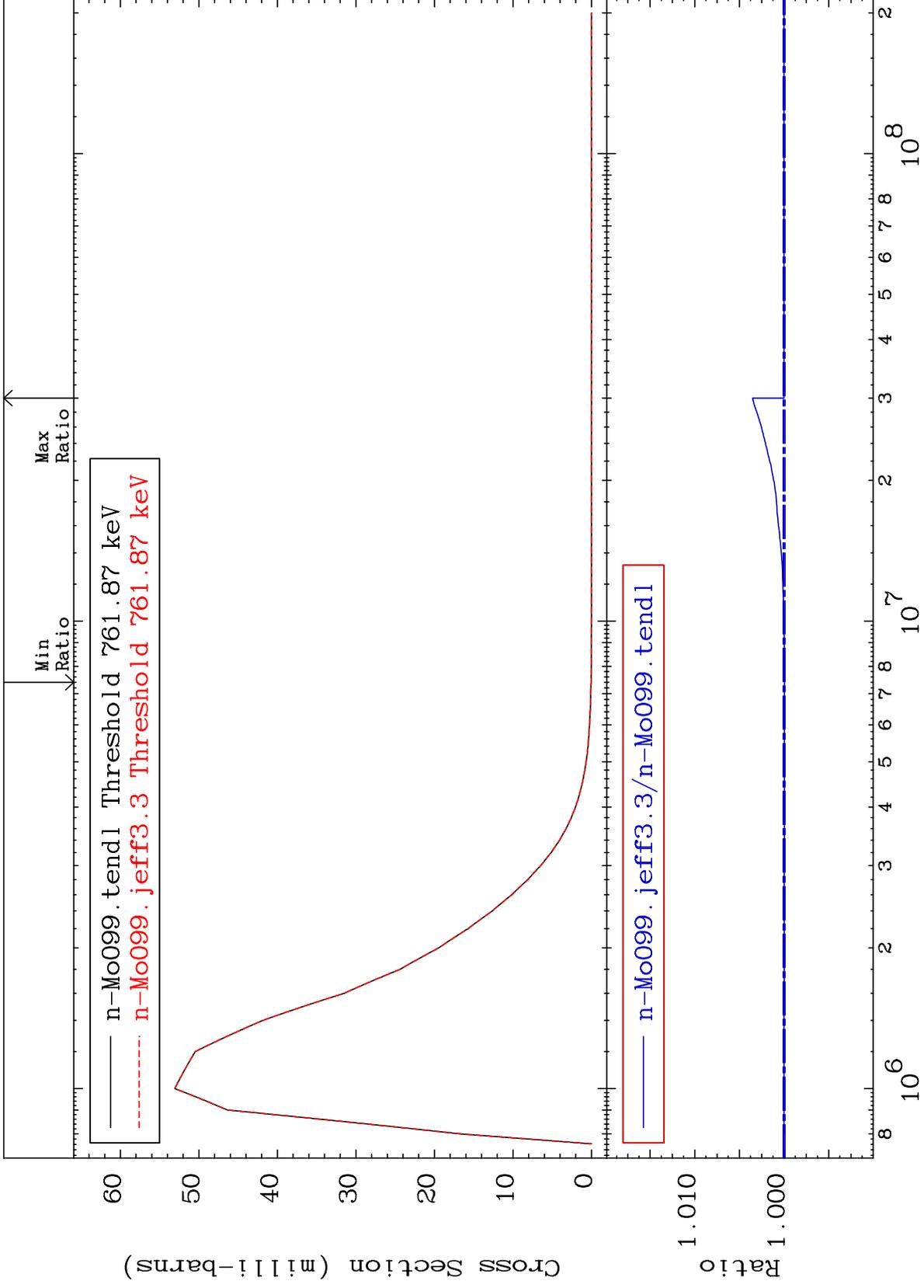
42-Mo-99
-0.005 To 0.354 %



MAT 4246

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

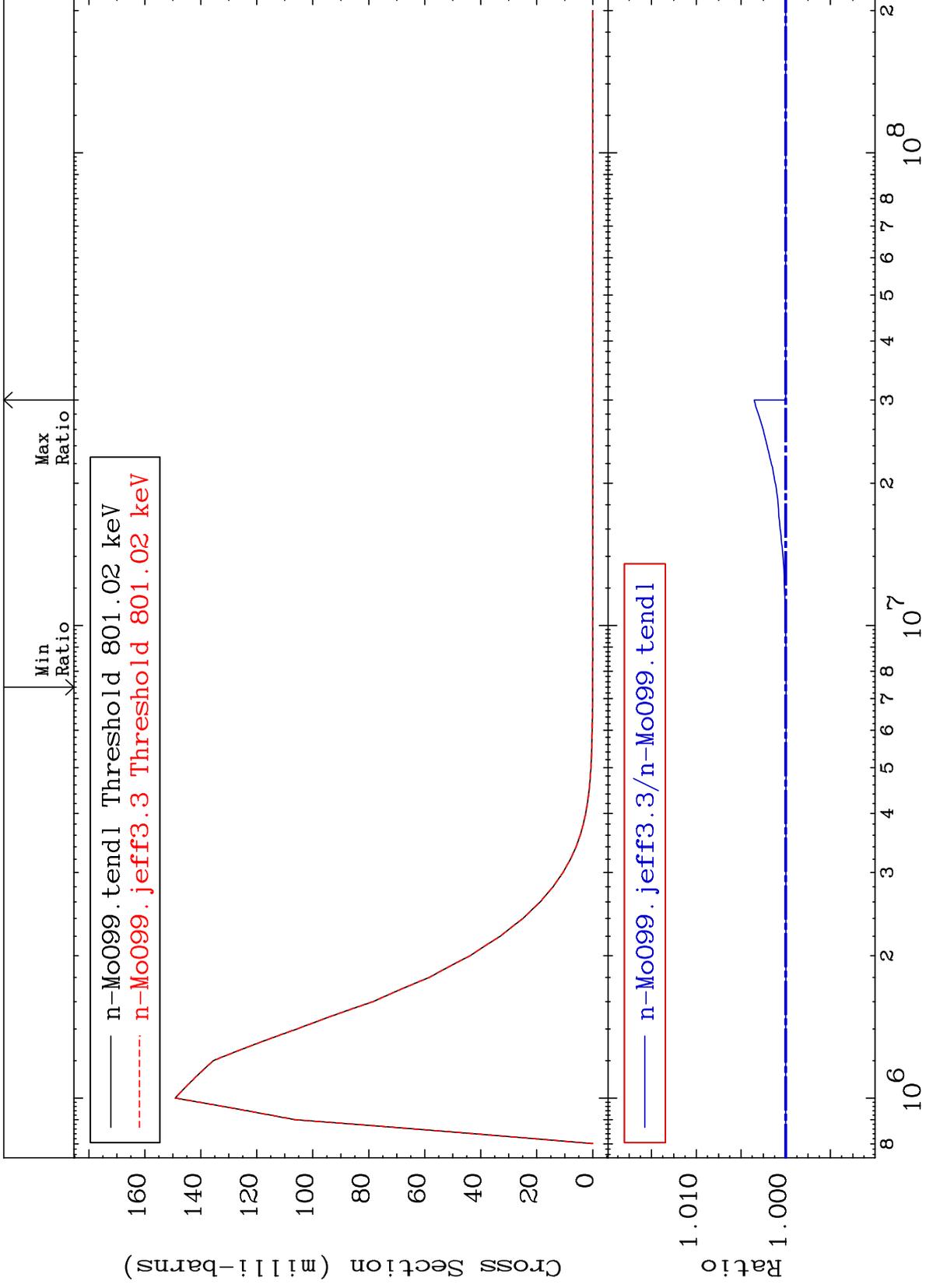
42-Mo-99
-0.005 To 0.354 %



MAT 4246

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

42-Mo-99
-0.005 To 0.353 %



30

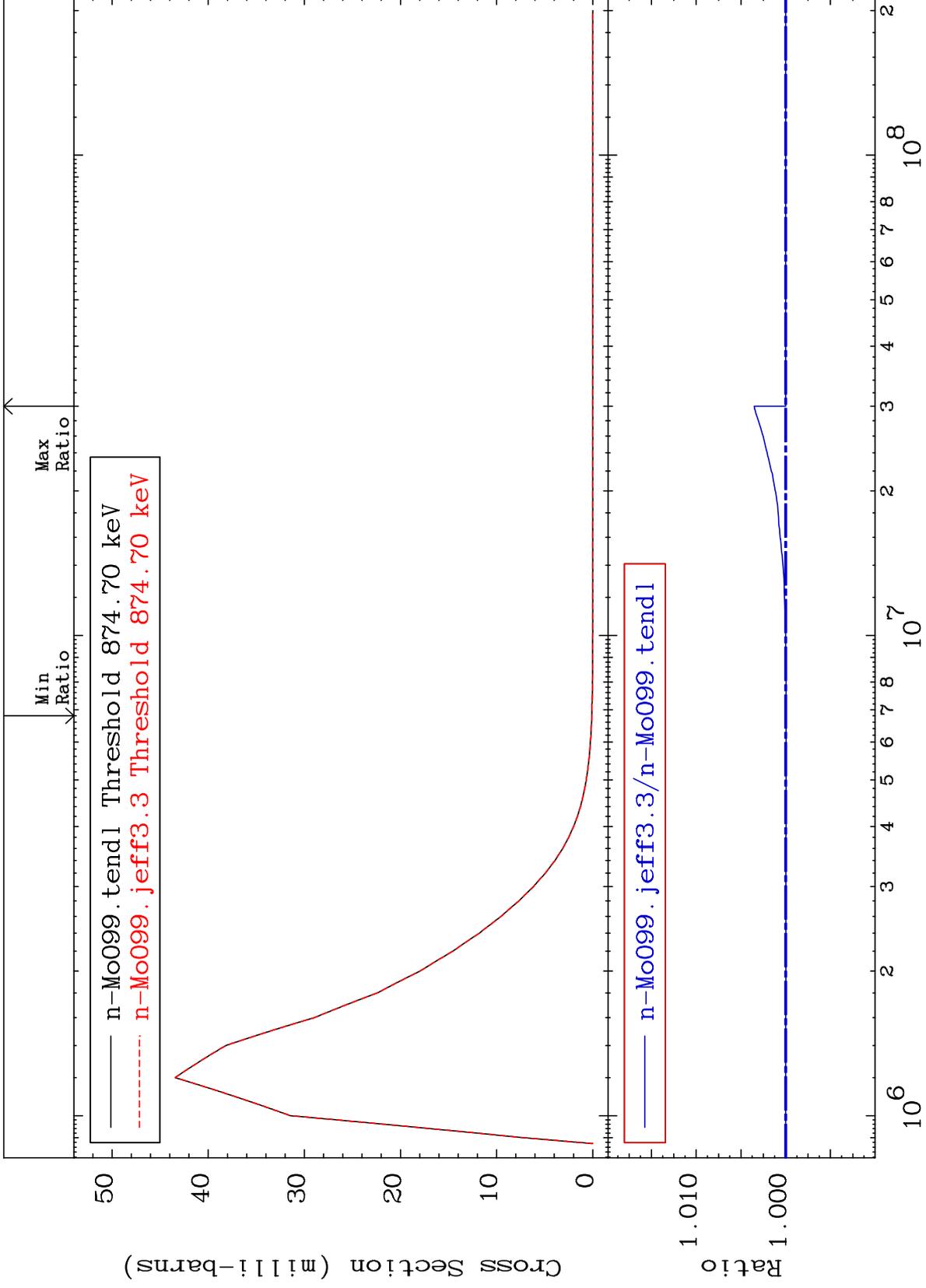
Incident Energy (eV)

42-Mo-99

MAT 4246

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

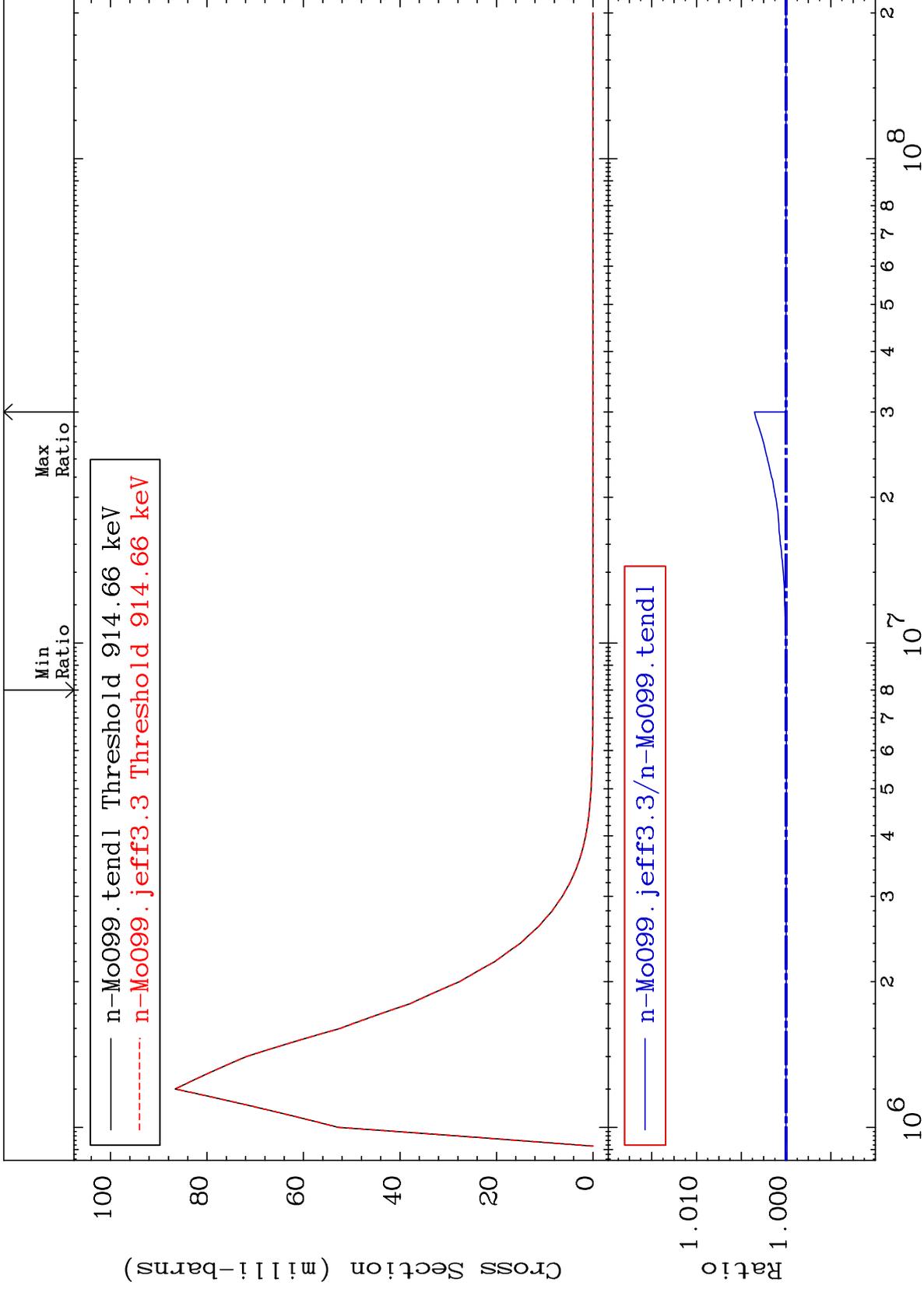
42-Mo-99
-0.006 To 0.353 %



MAT 4246

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

42-Mo-99
-0.005 To 0.353 %



32

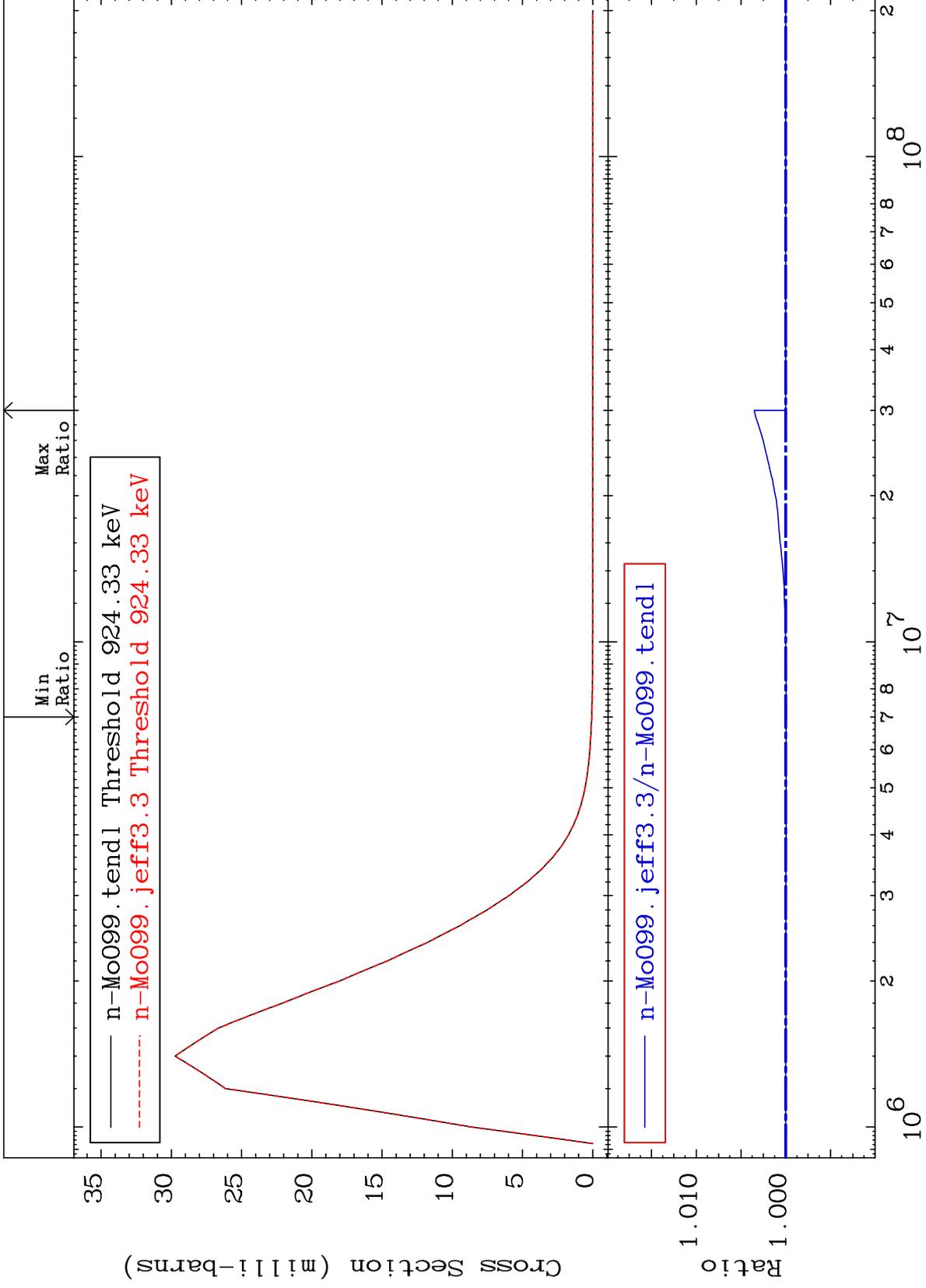
Incident Energy (eV)

42-Mo-99

MAT 4246

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

42-Mo-99
-0.005 To 0.353 %



33

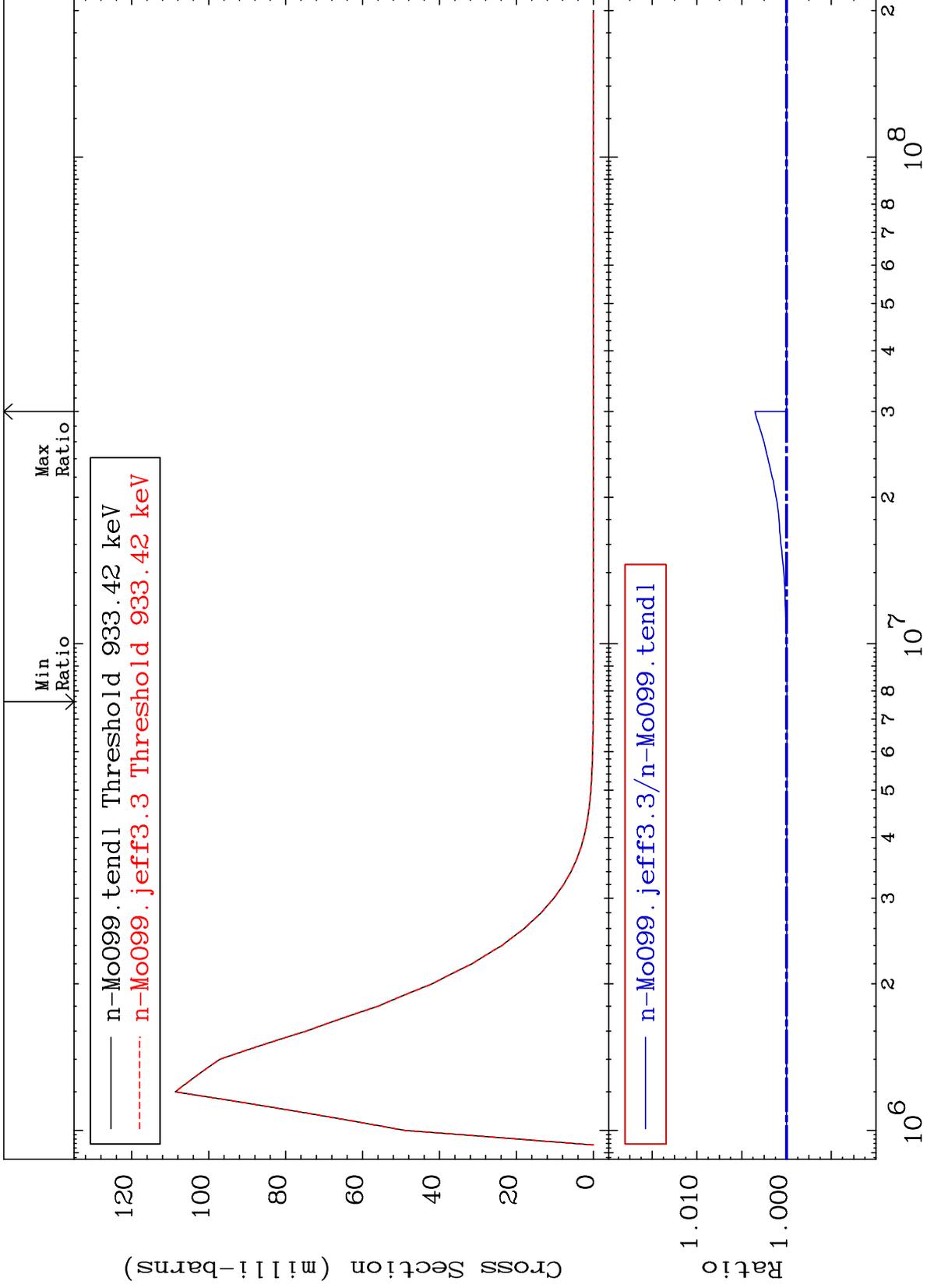
Incident Energy (eV)

42-Mo-99

MAT 4246

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

42-Mo-99
-0.005 To 0.353 %



34

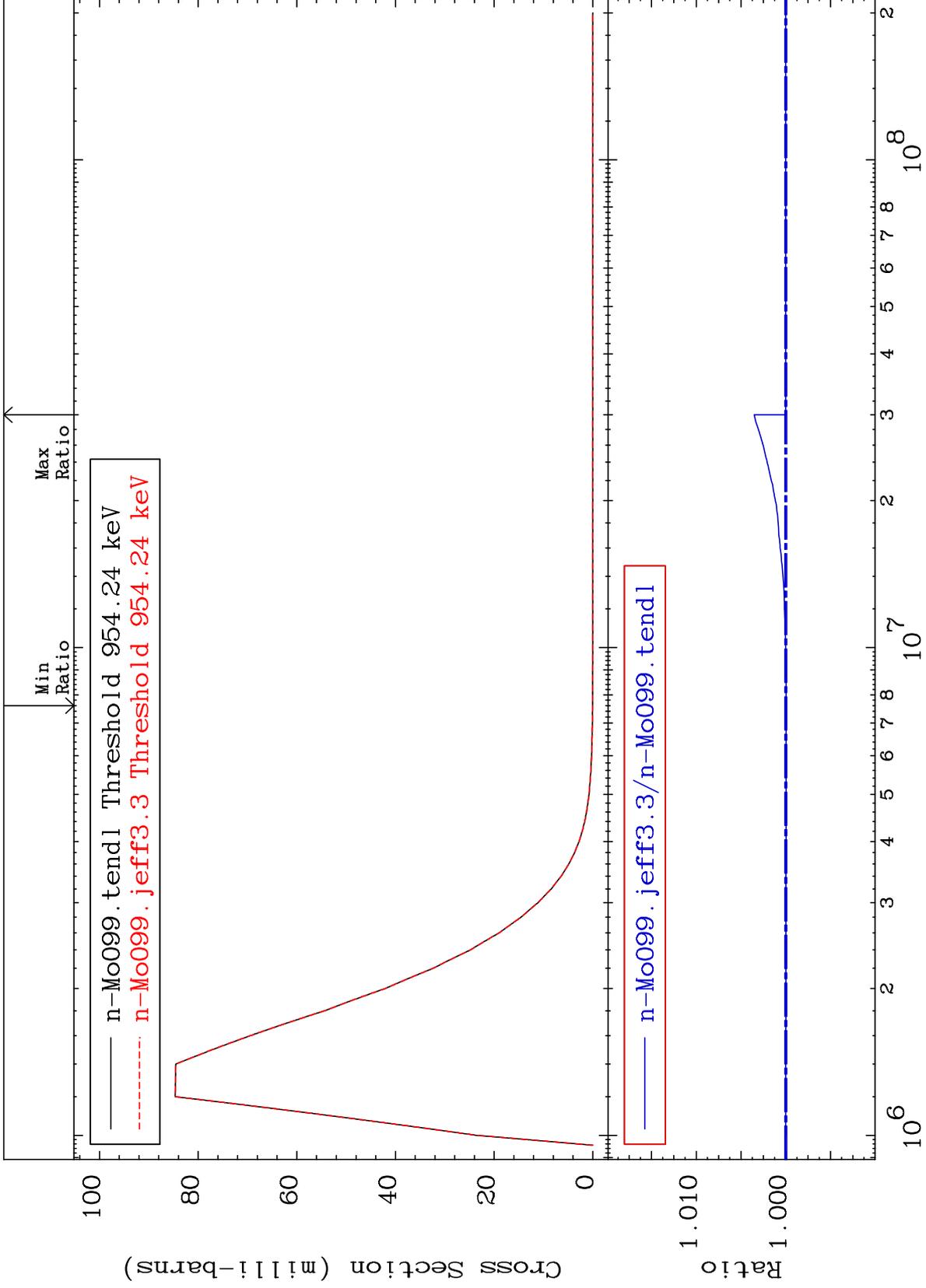
Incident Energy (eV)

42-Mo-99

MAT 4246

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

42-Mo-99
-0.005 To 0.353 %



35

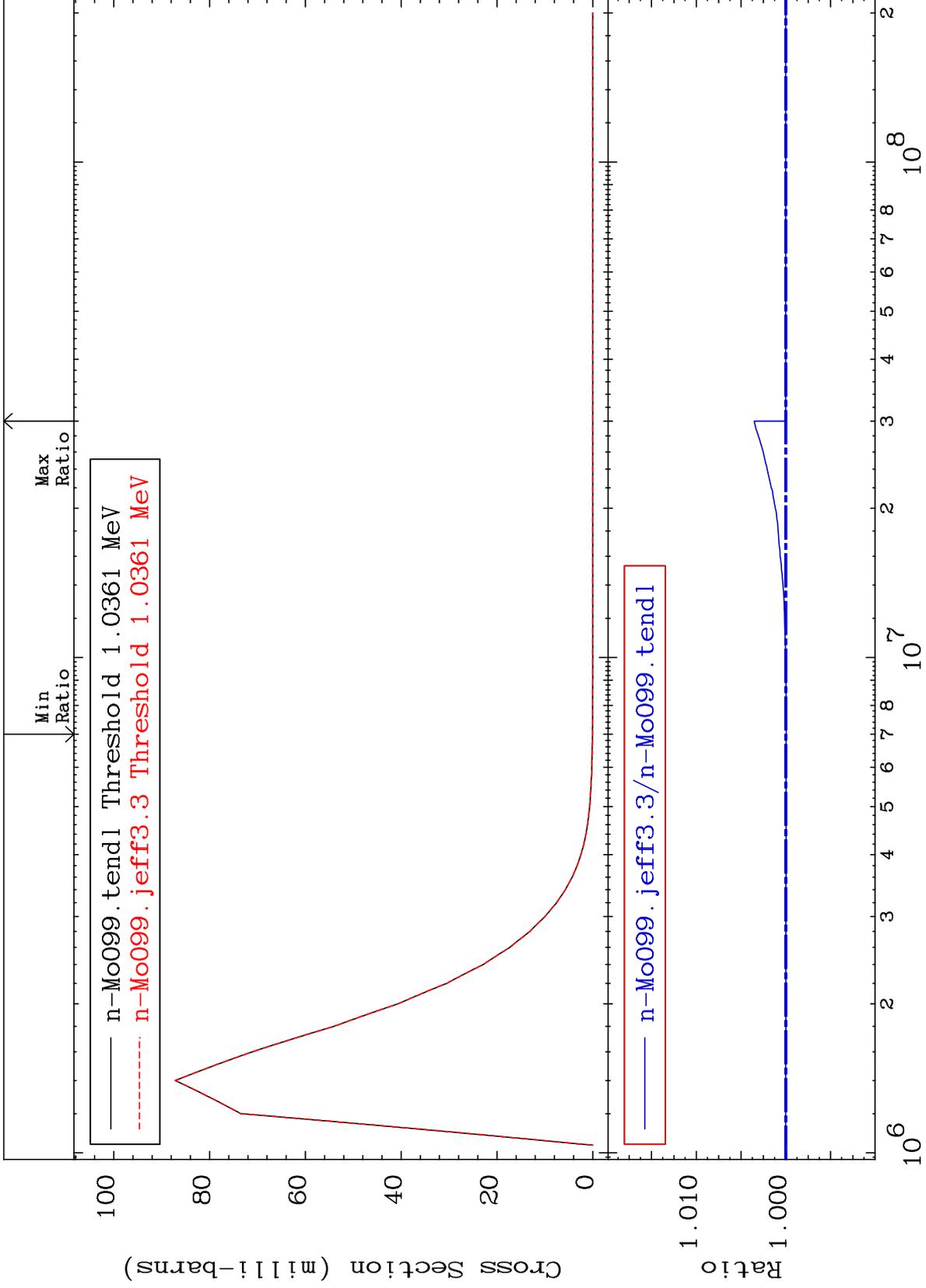
Incident Energy (eV)

42-Mo-99

MAT 4246

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

42-Mo-99
-0.005 To 0.354 %



36

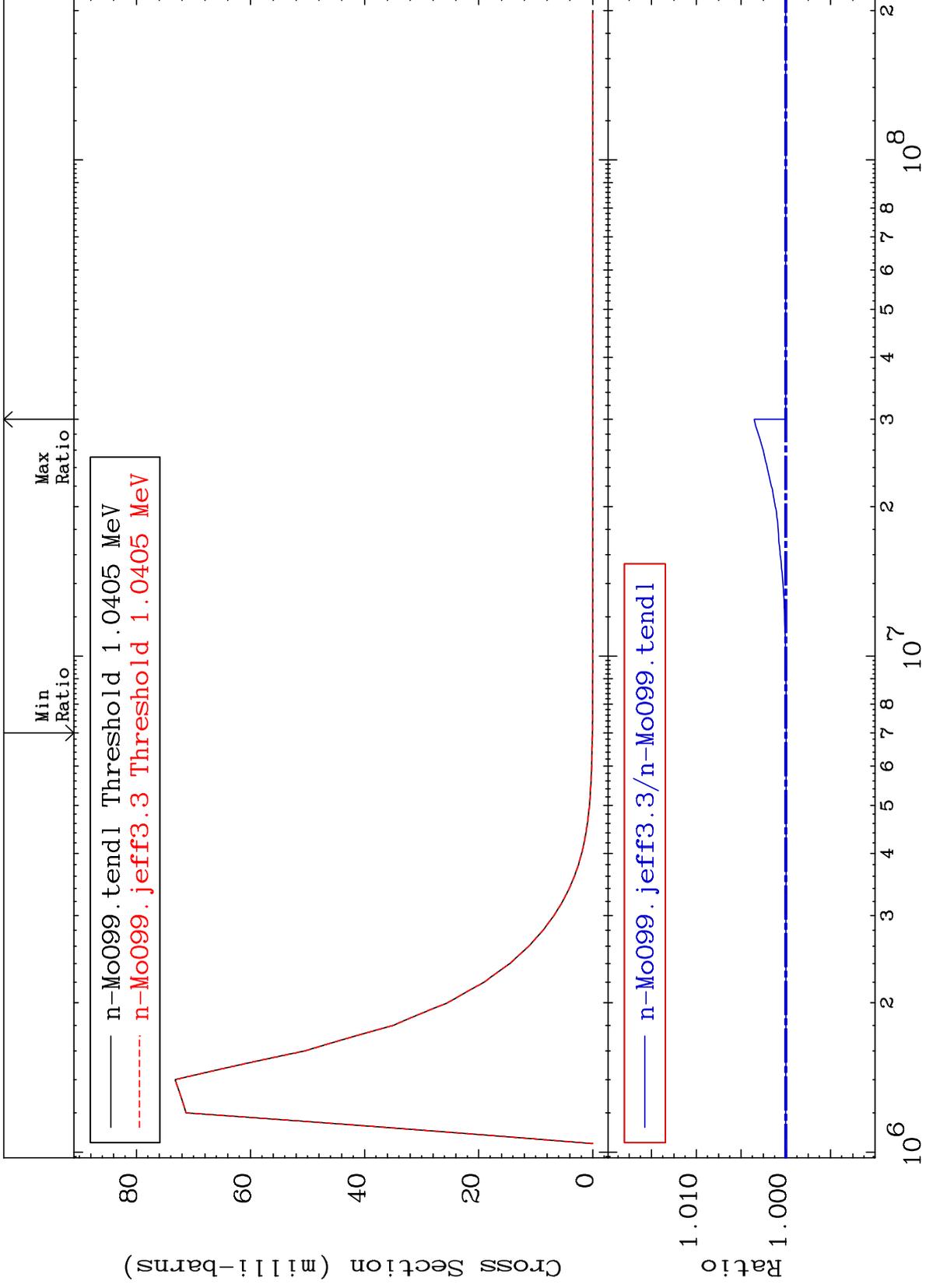
Incident Energy (eV)

42-Mo-99

MAT 4246

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

42-Mo-99
-0.005 To 0.354 %



37

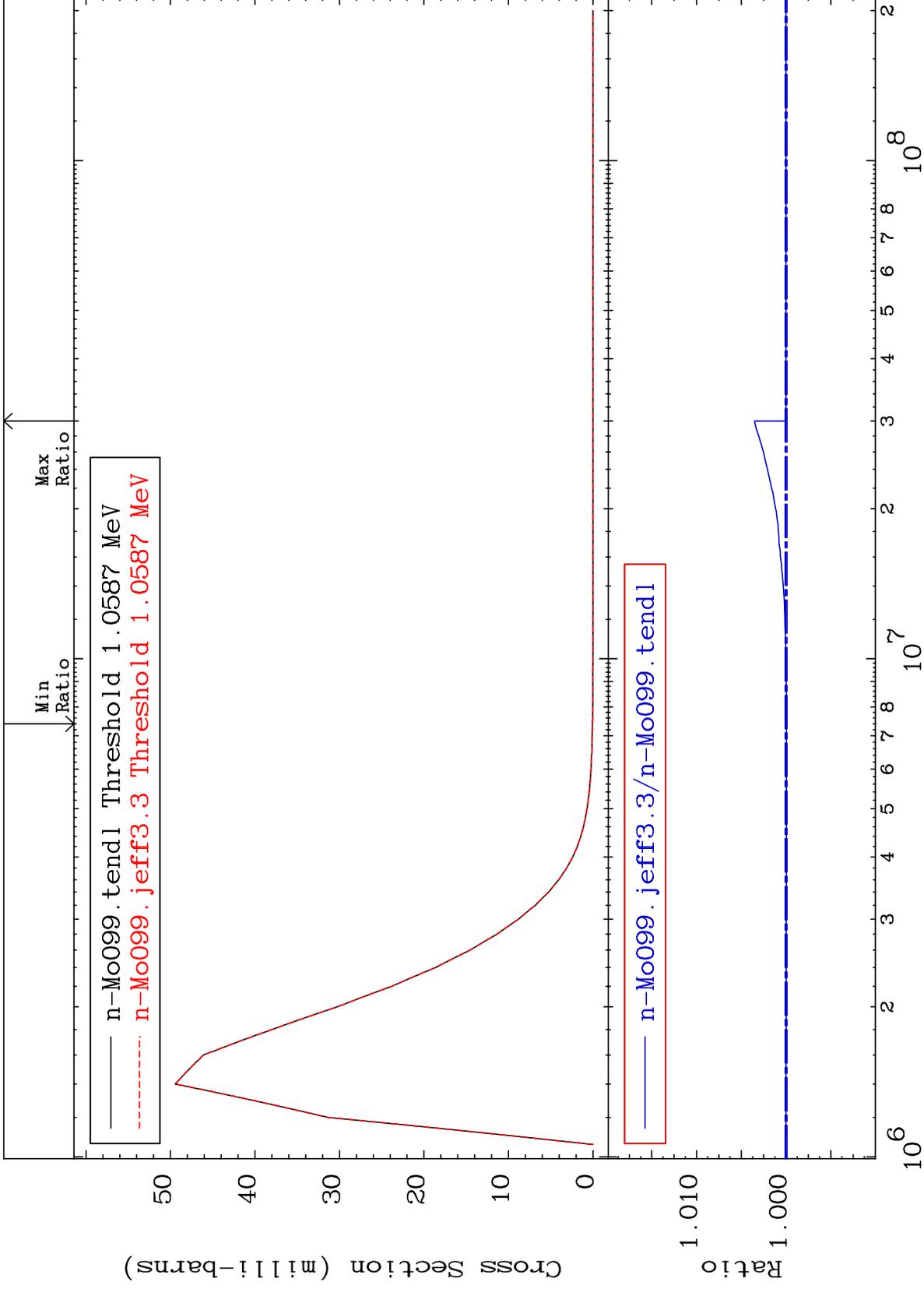
Incident Energy (eV)

42-Mo-99

MAT 4246

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

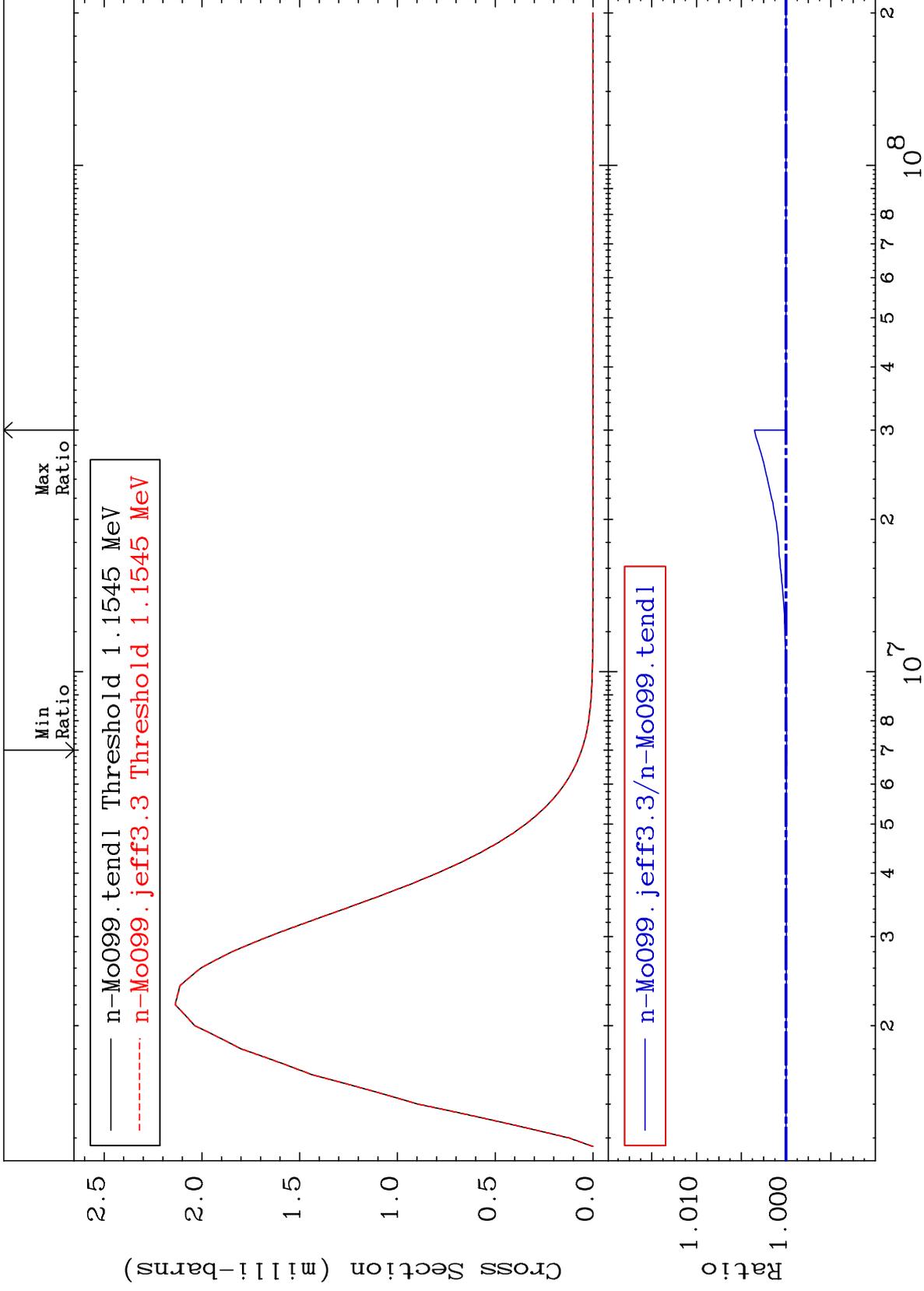
42-Mo-99
-0.005 To 0.354 %

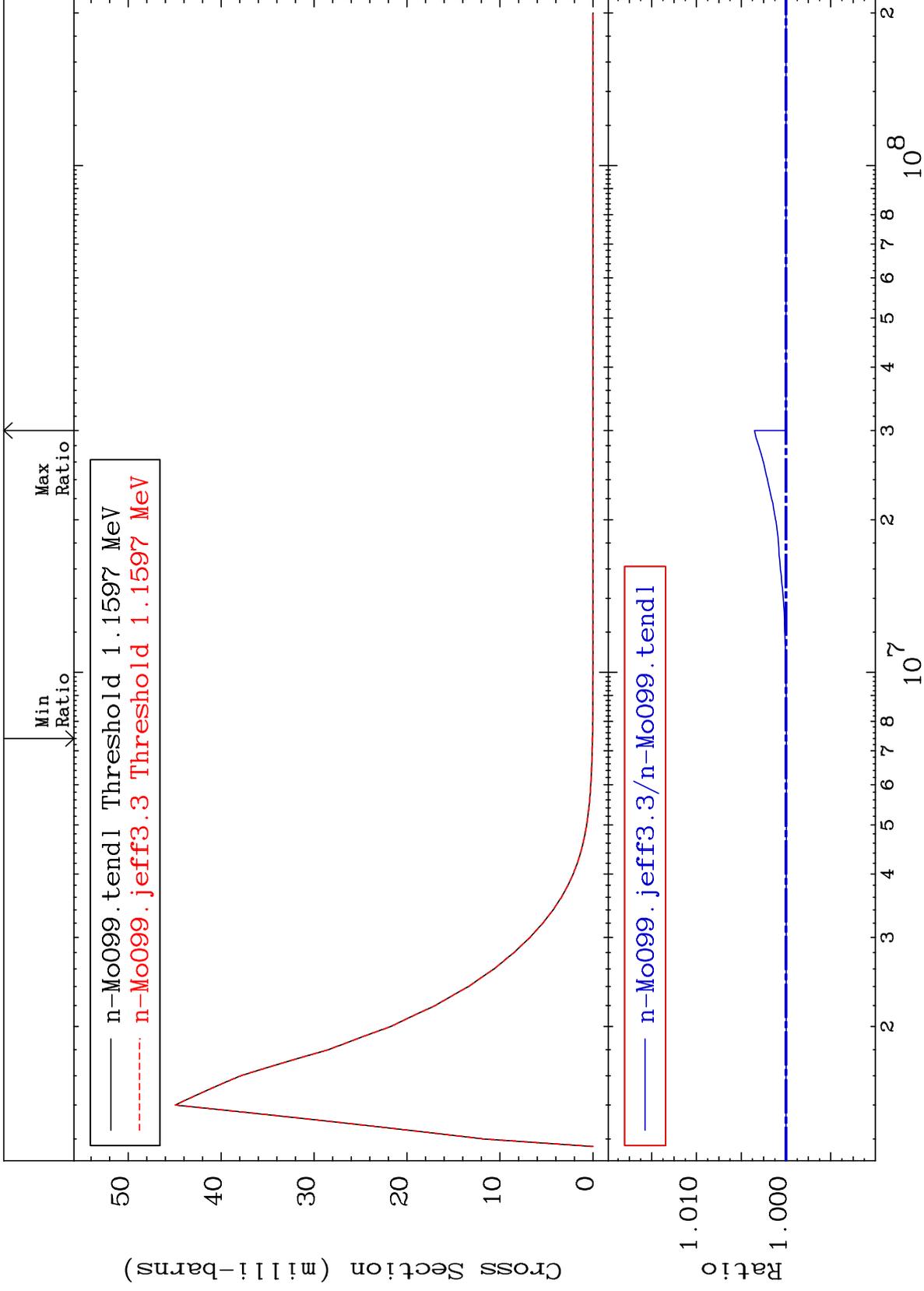


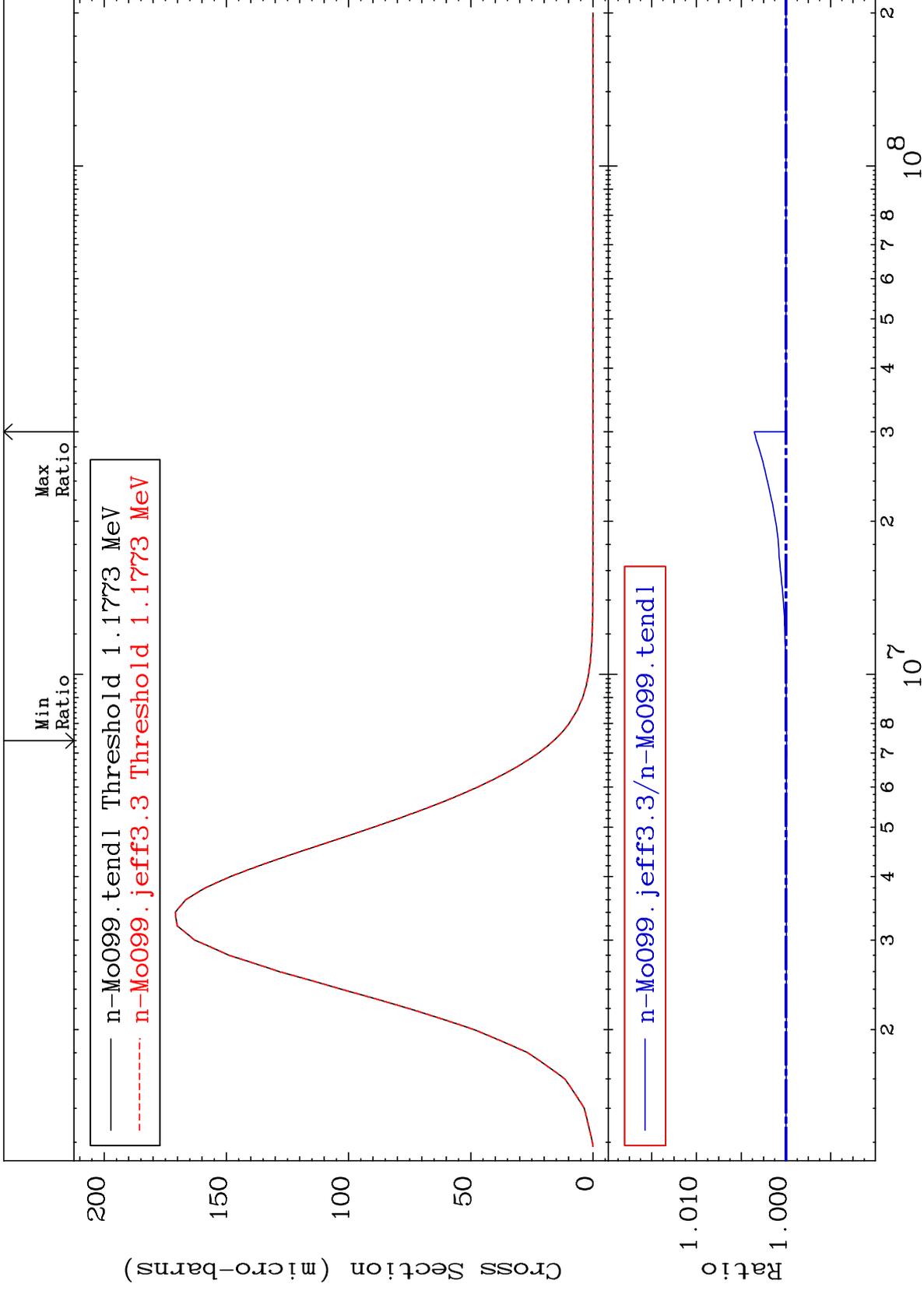
38

Incident Energy (eV)

42-Mo-99



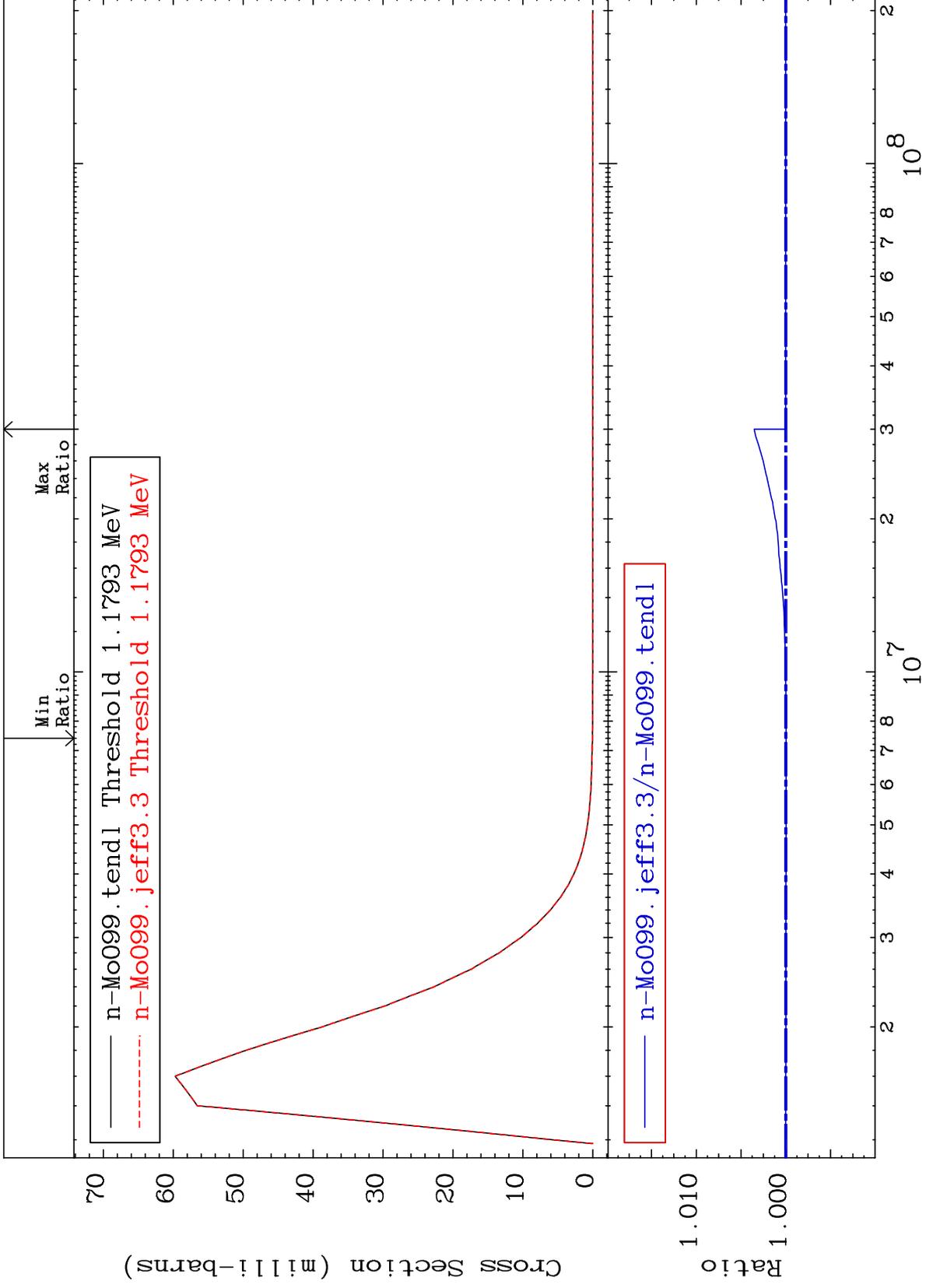




MAT 4246

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

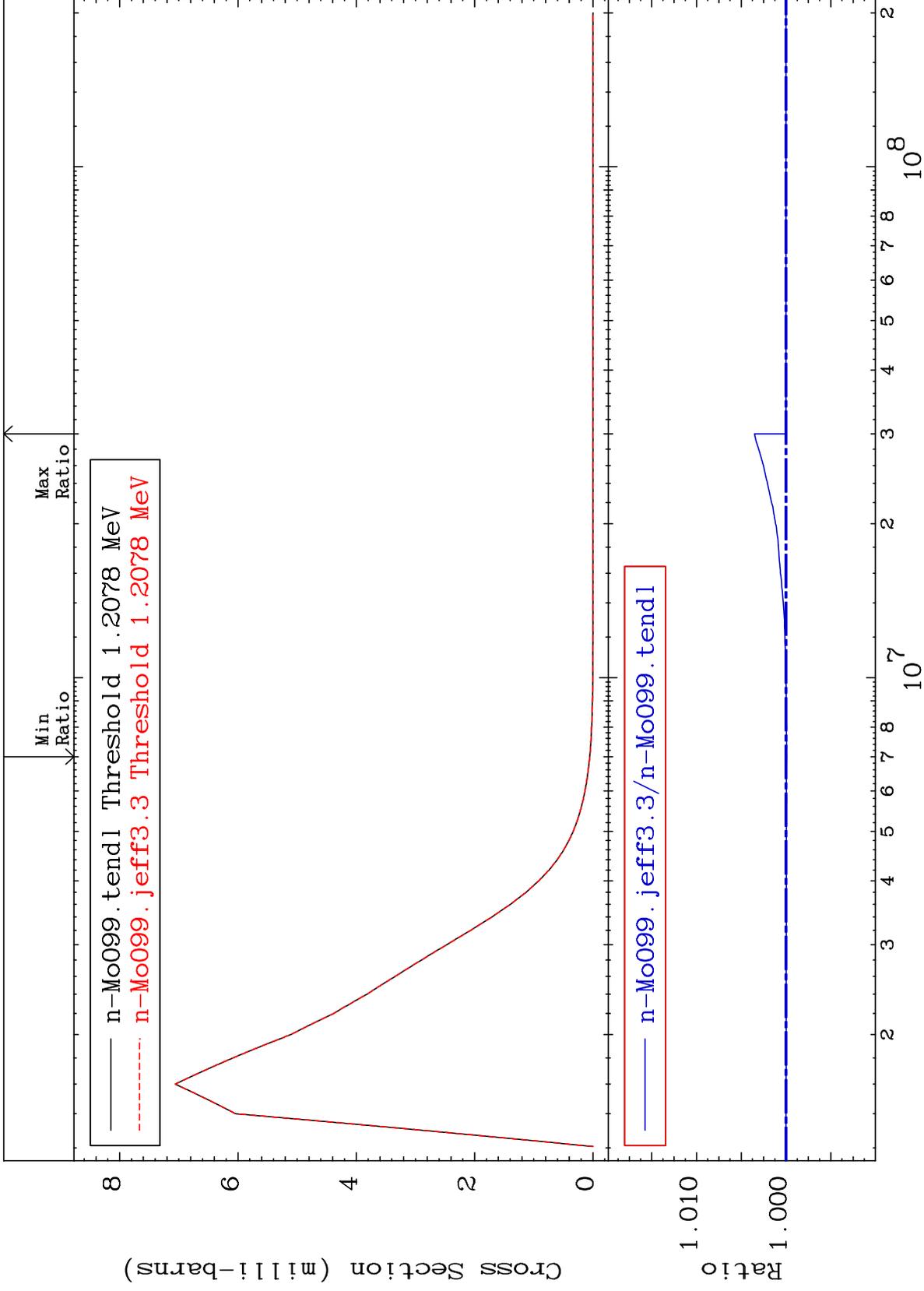
42-Mo-99
-0.005 To 0.353 %

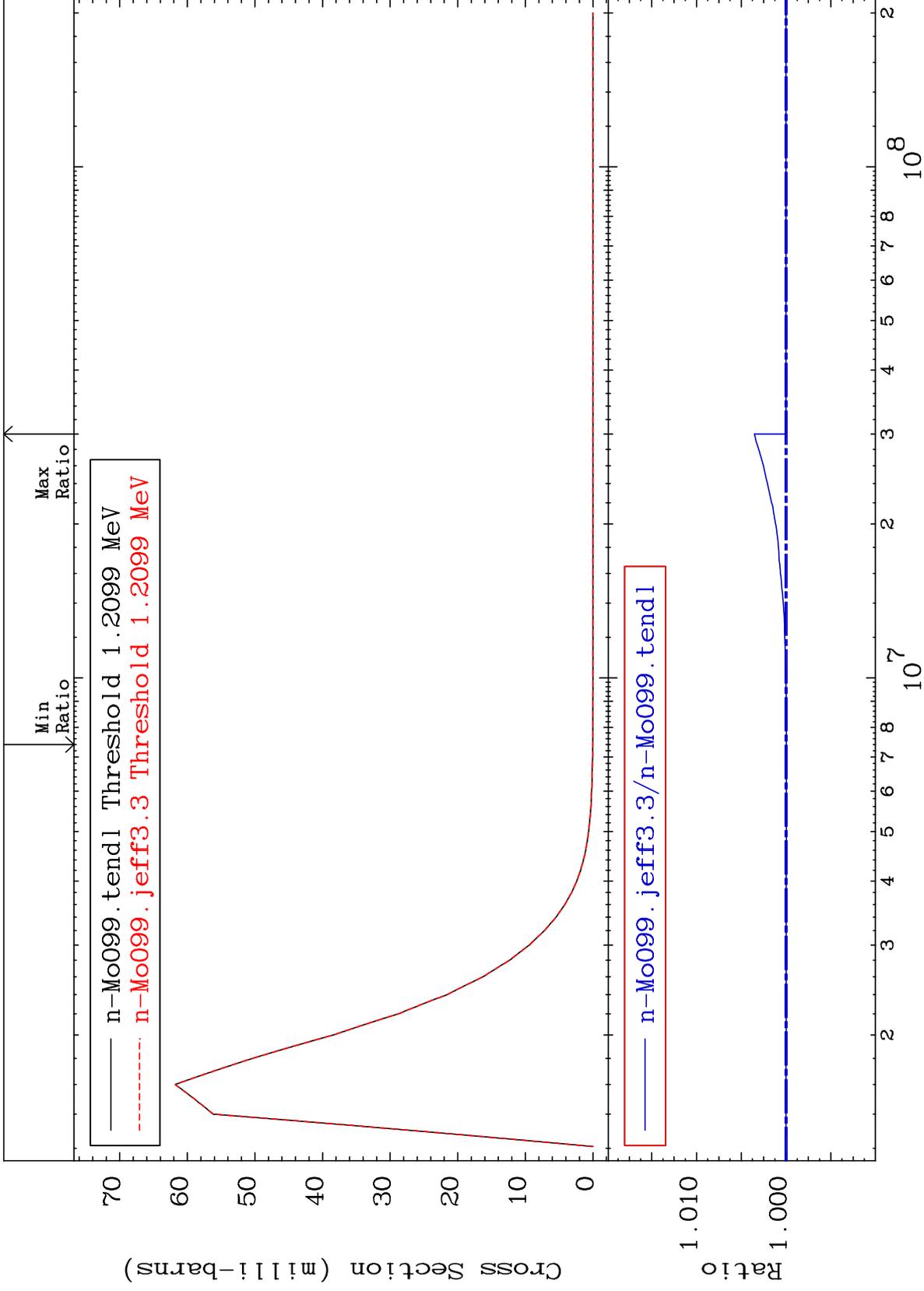


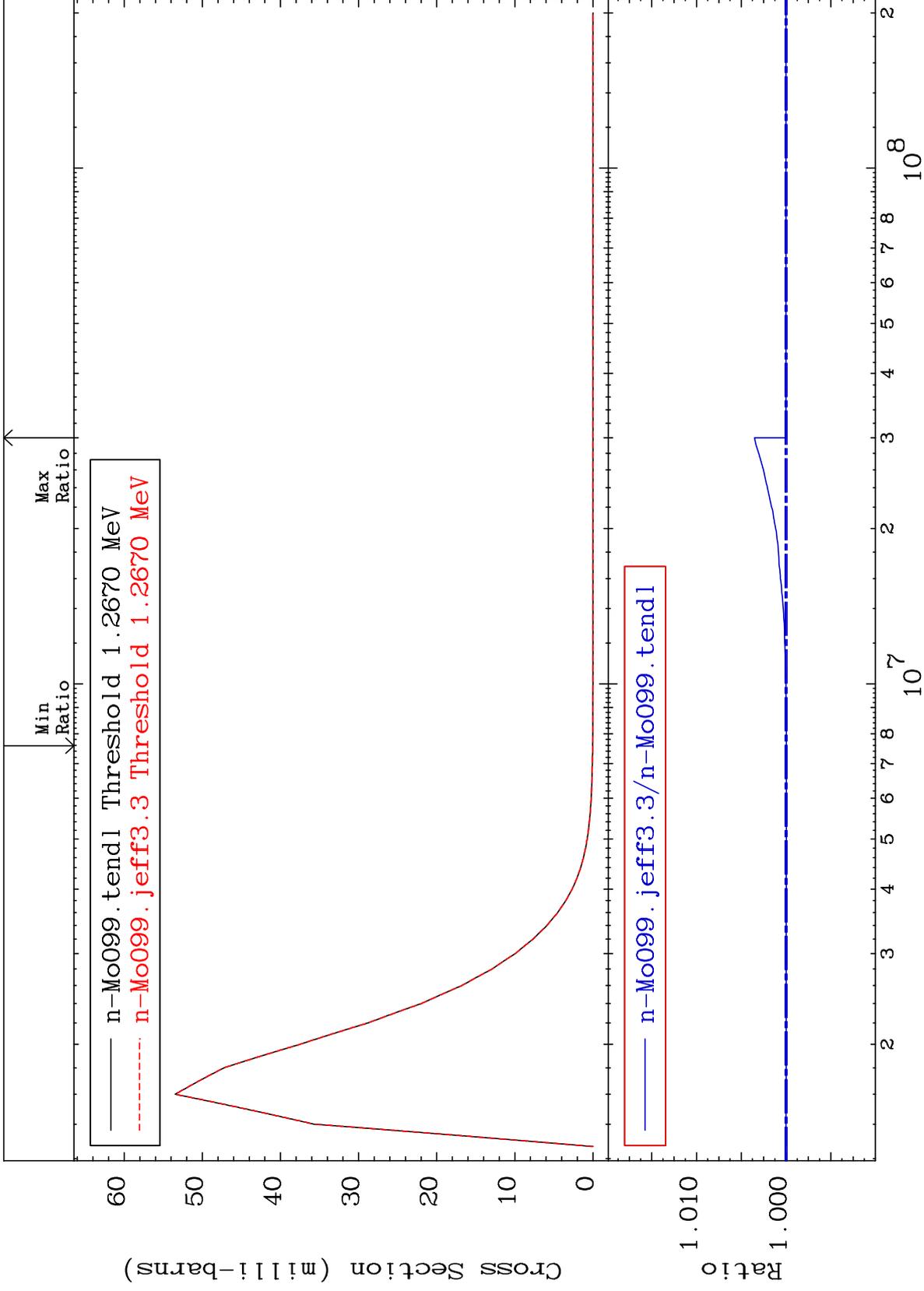
MAT 4246

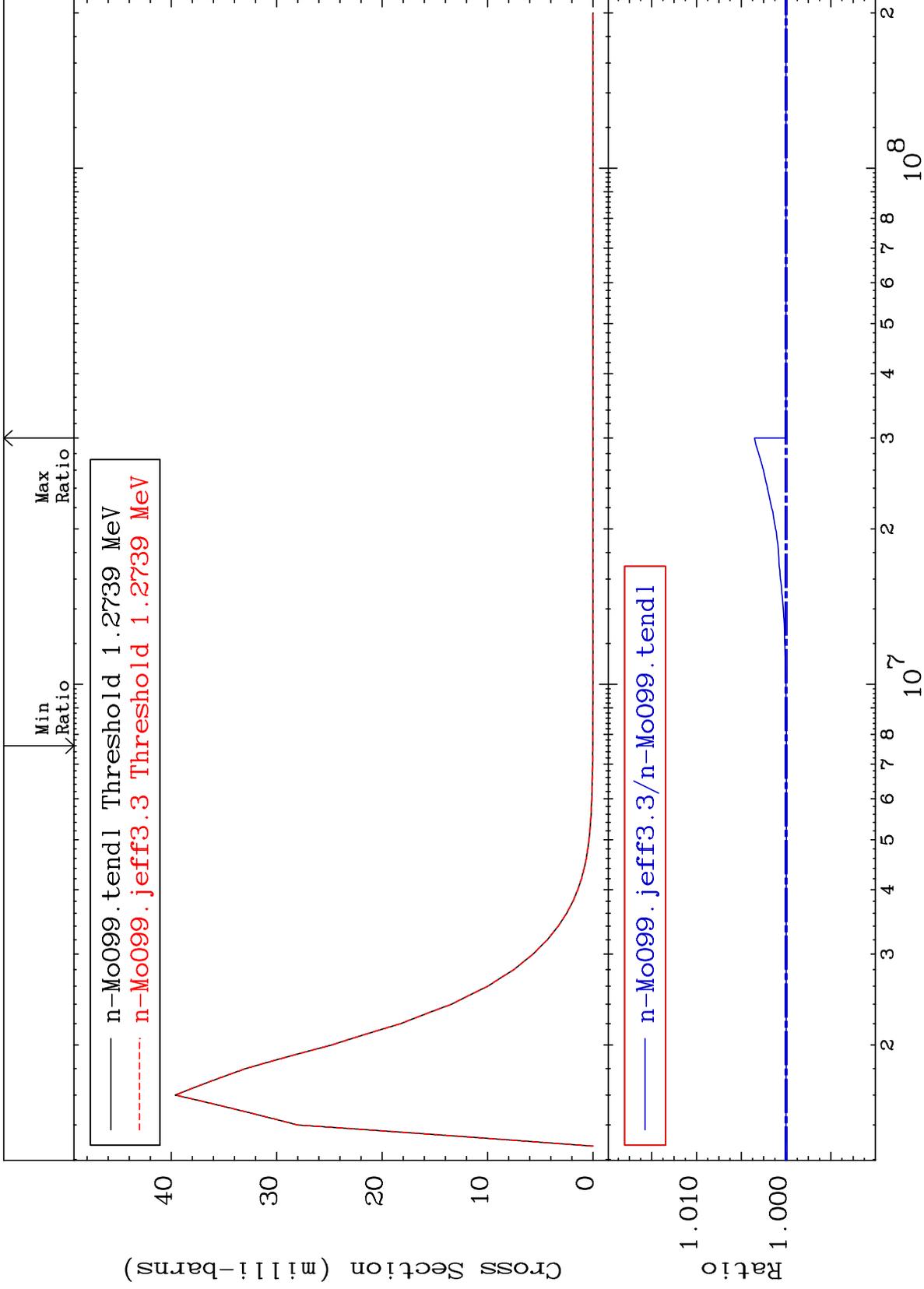
MT= 76 (n,n') Level
Cross Section

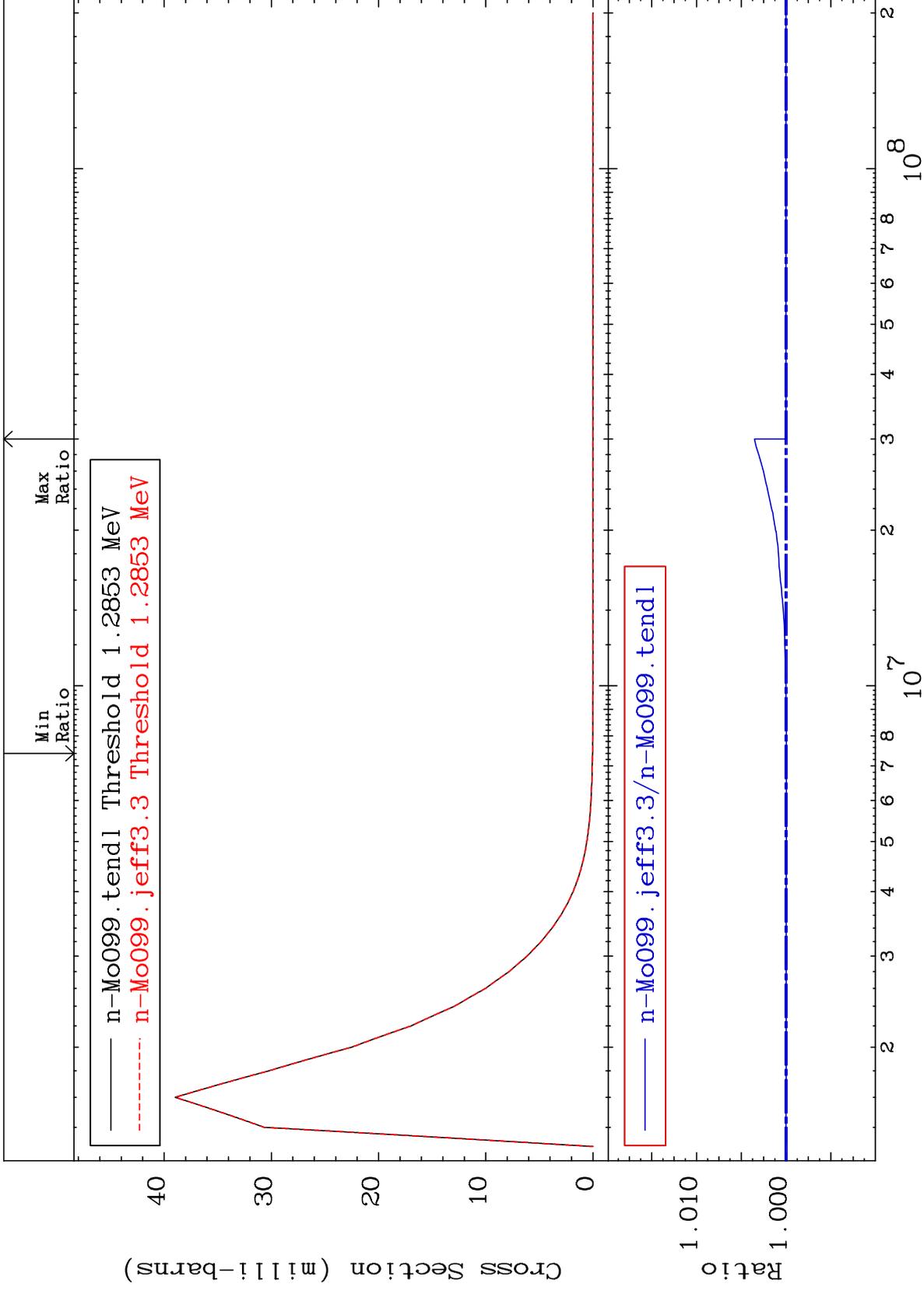
42-Mo-99
-0.006 To 0.354 %

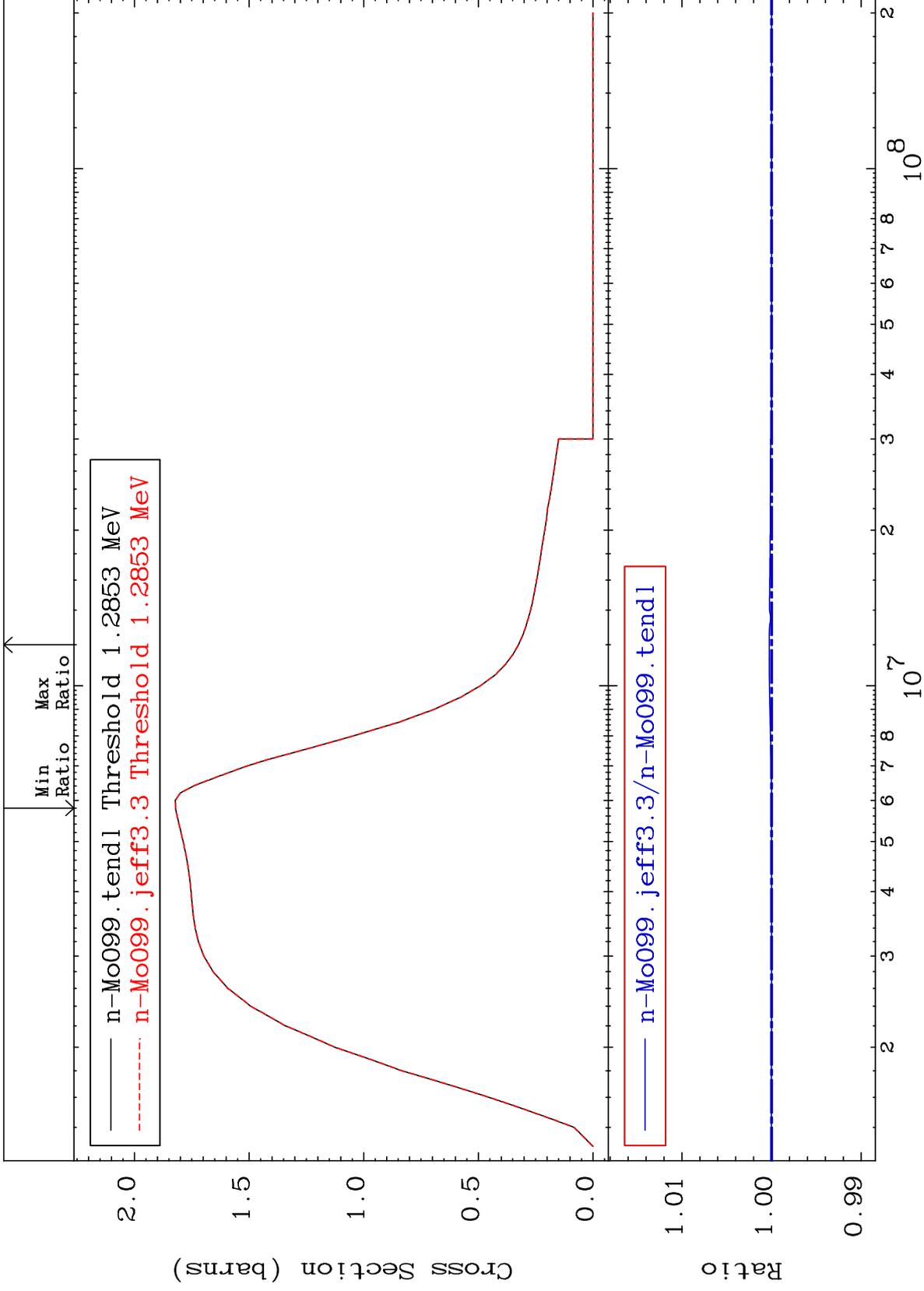






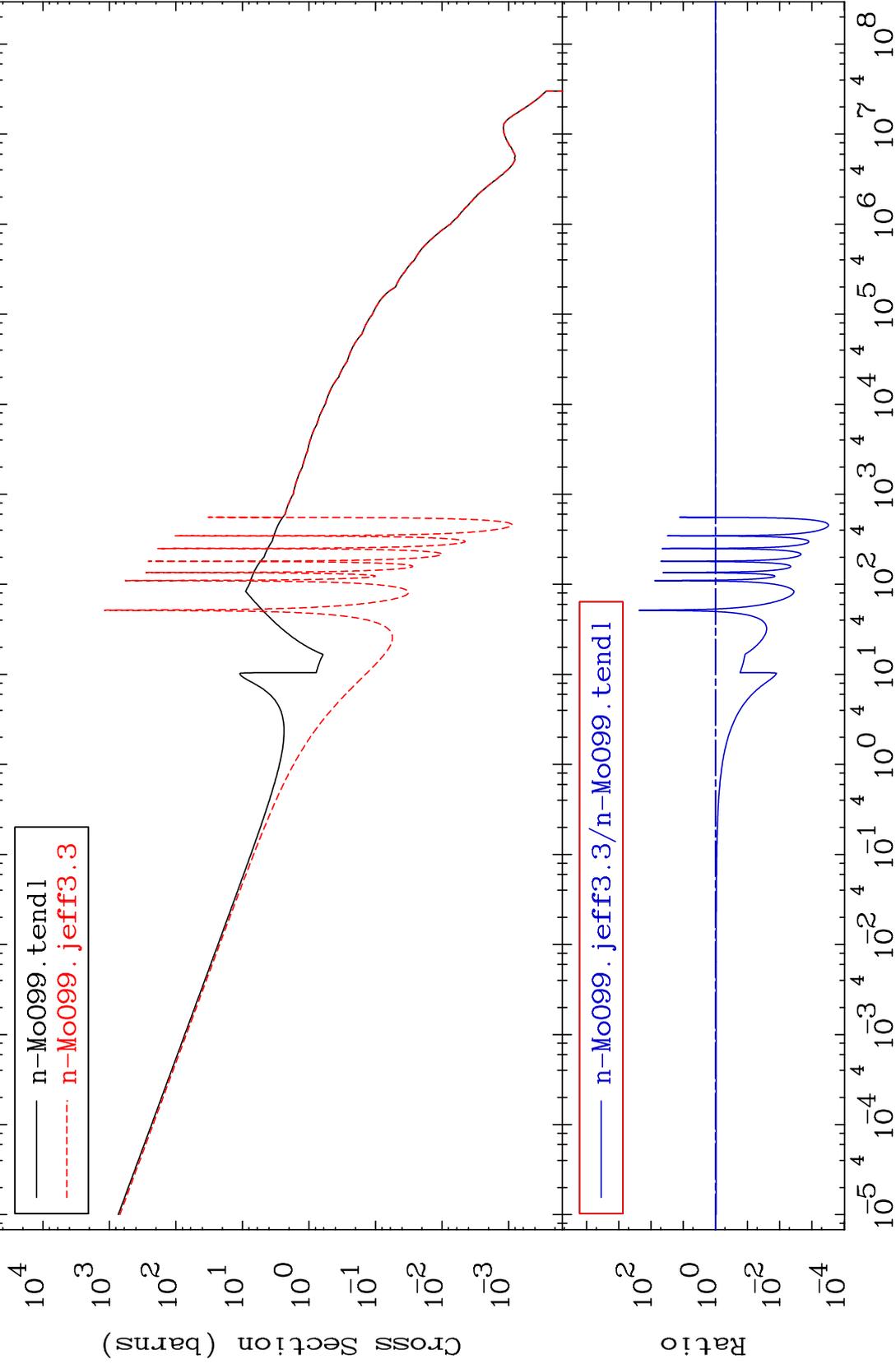






Max Ratio

Min Ratio

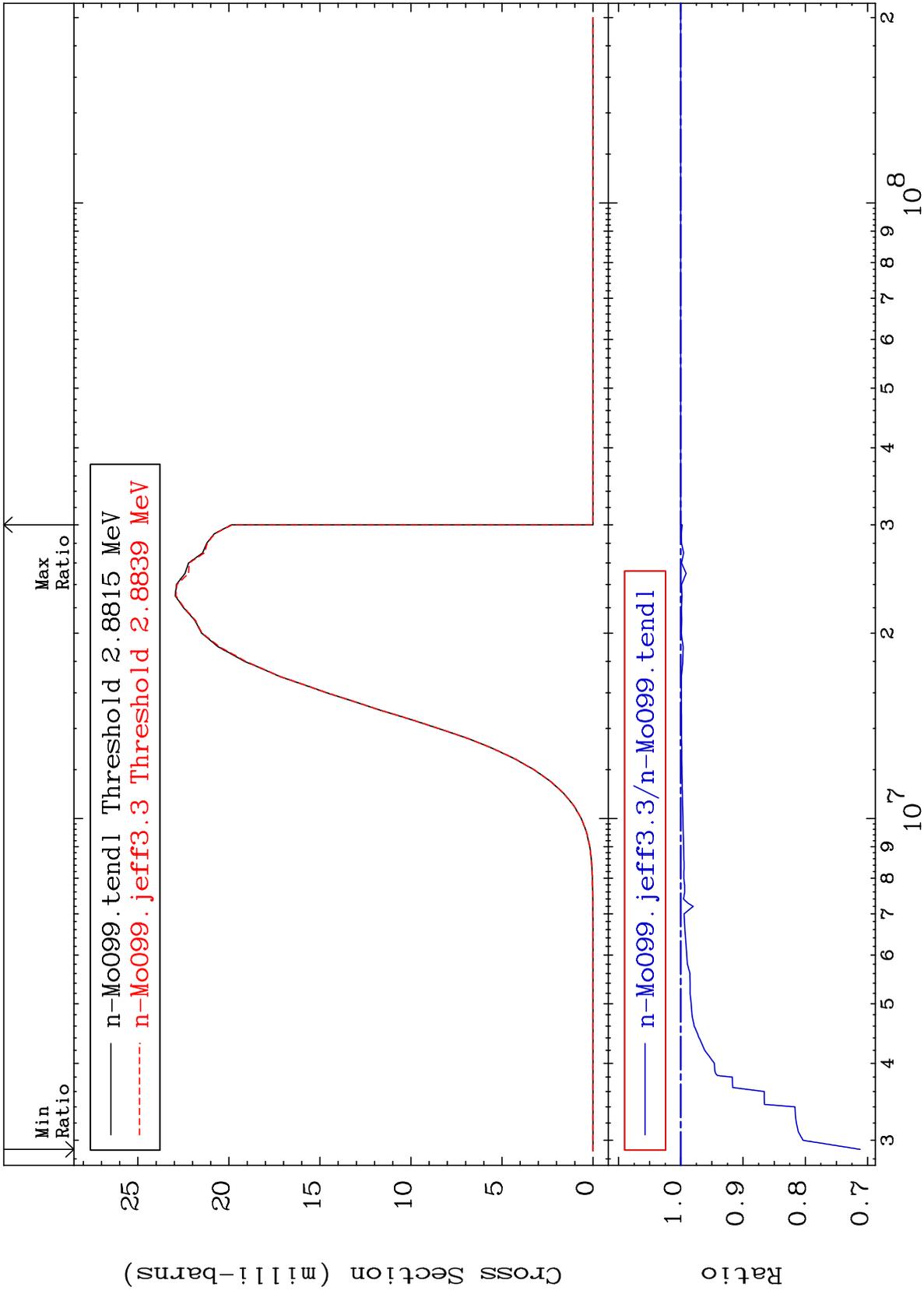


n-Mo099.tendl
n-Mo099.jeff3.3

n-Mo099.jeff3.3/n-Mo099.tendl

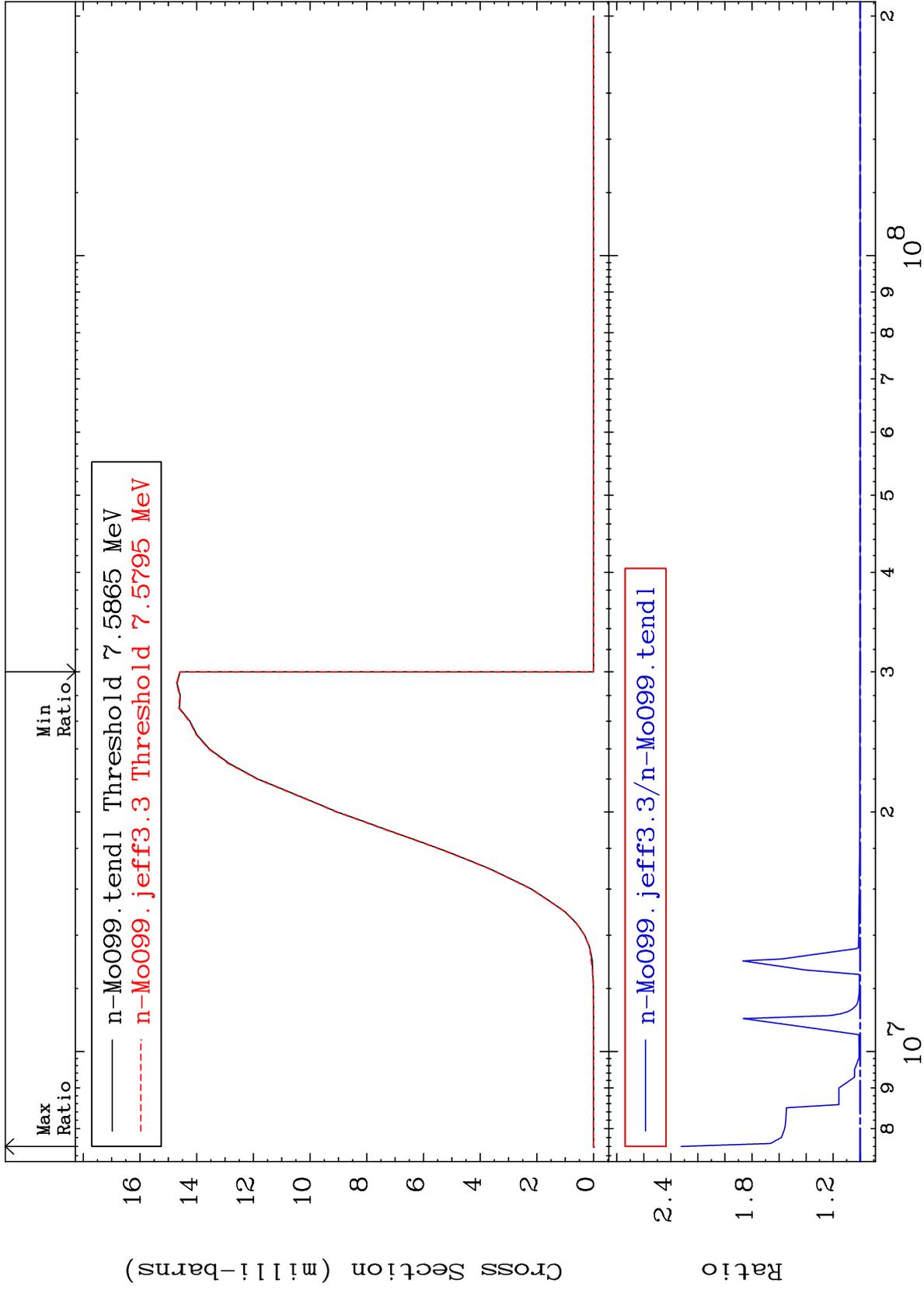
(n, p)
Cross Section

-28.80 To 0.000 %



Cross Section

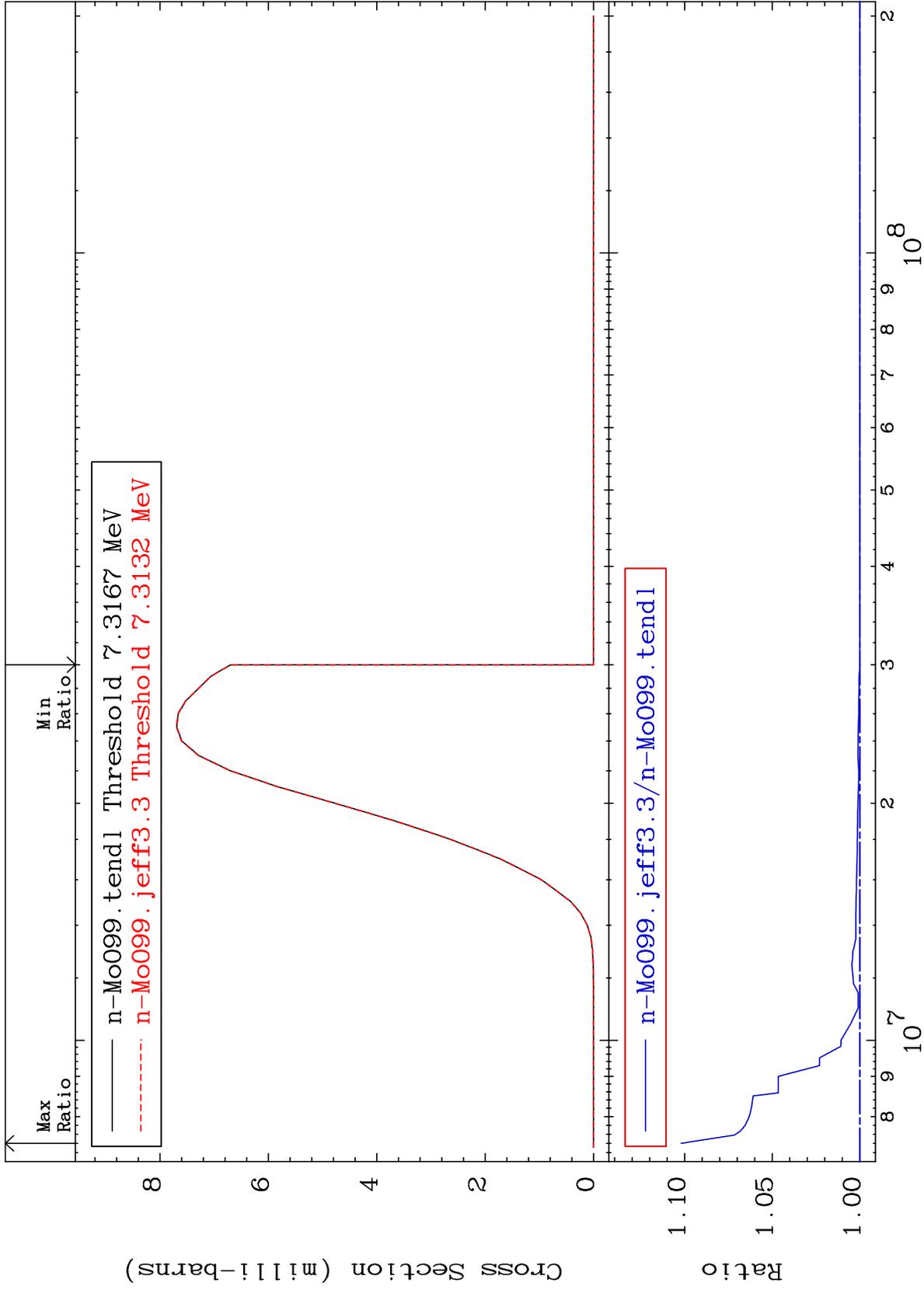
-0.001 To 132.4 %



MAT 4246

42-Mo-99

(n, t)
Cross Section
-0.020 To 10.20 %



52

Incident Energy (eV)

42-Mo-99

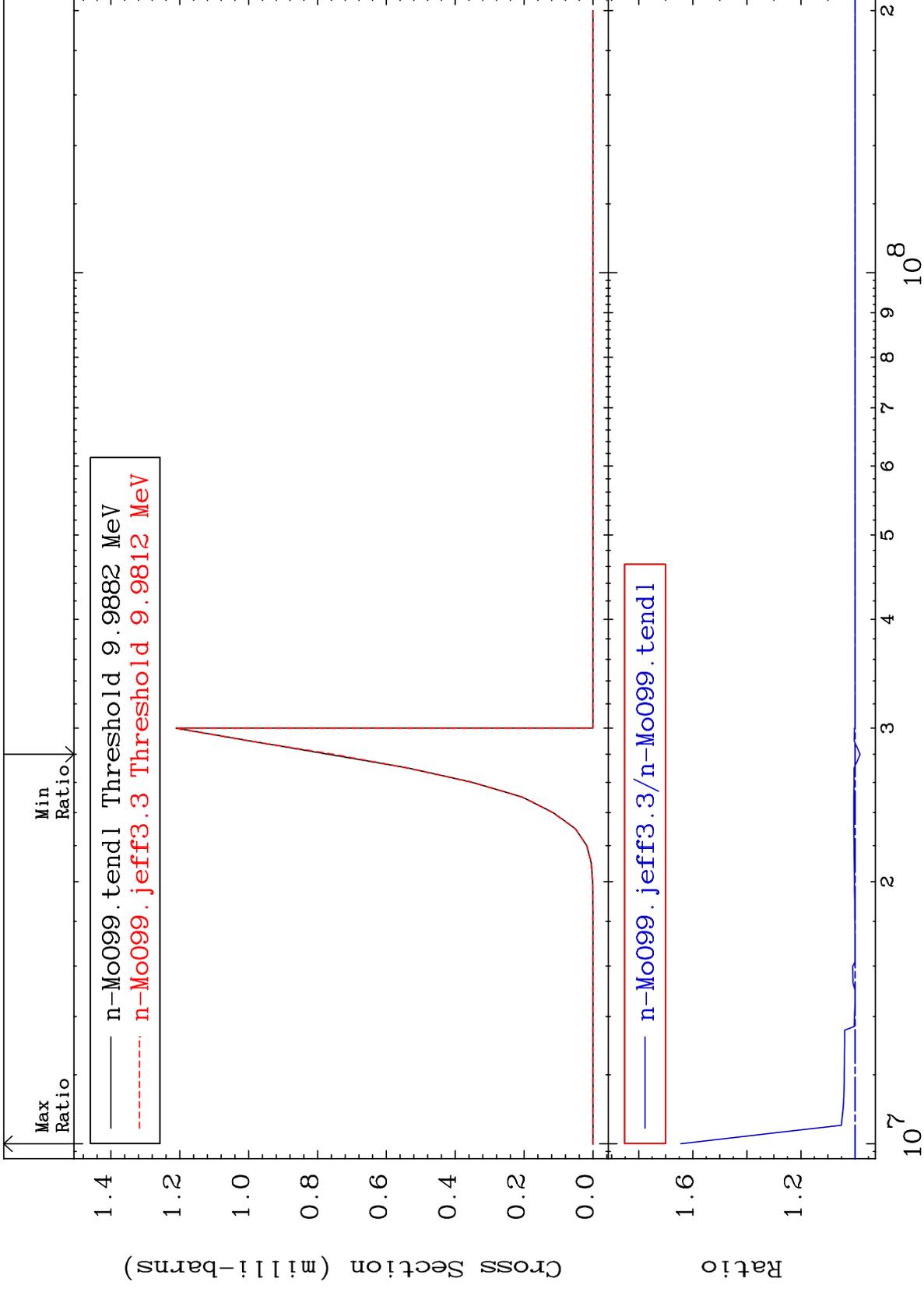
MAT 4246

(n, He-3)

42-Mo-99

Cross Section

-1.882 To 64.43 %



53

Incident Energy (eV)

42-Mo-99

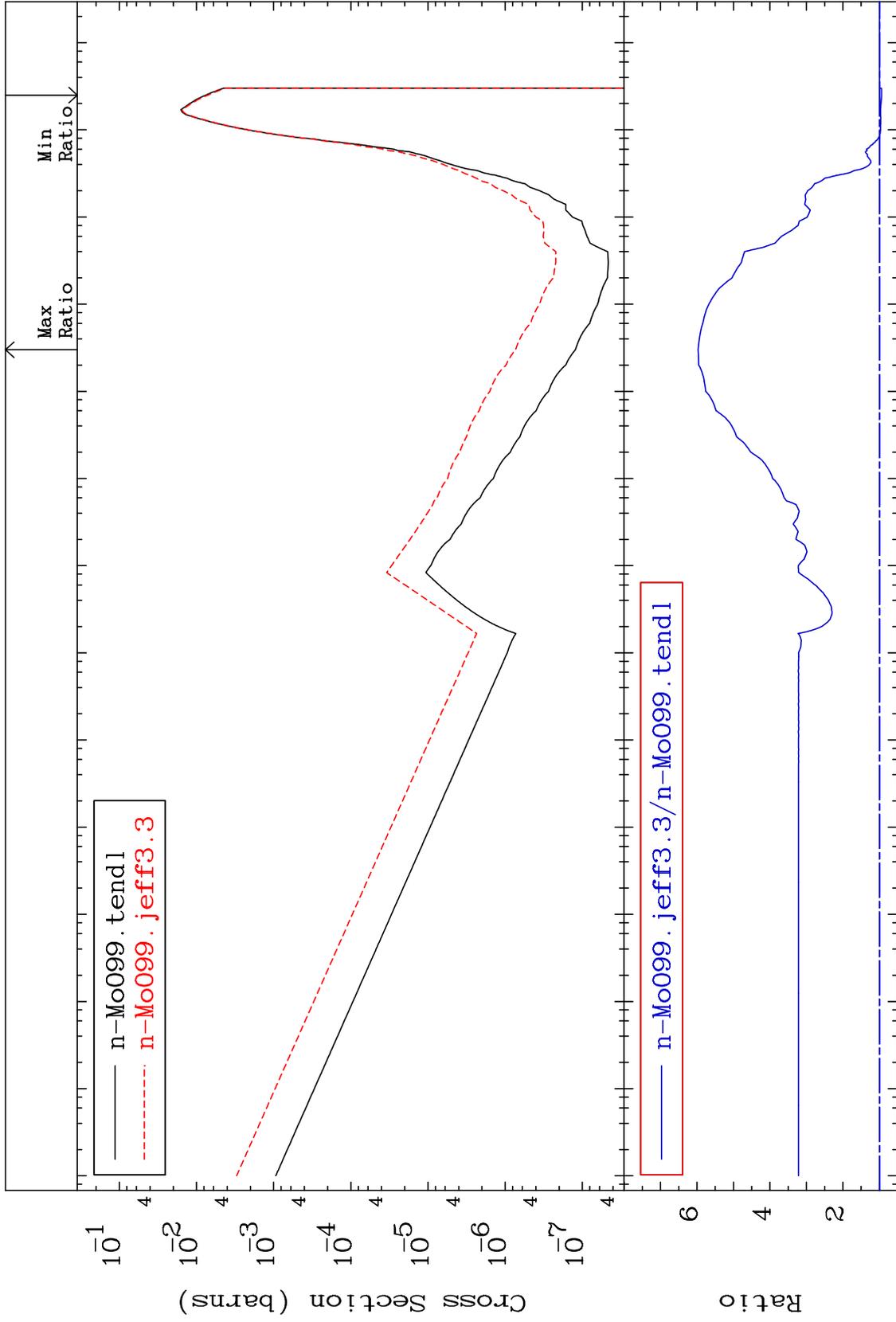
MAT 4246

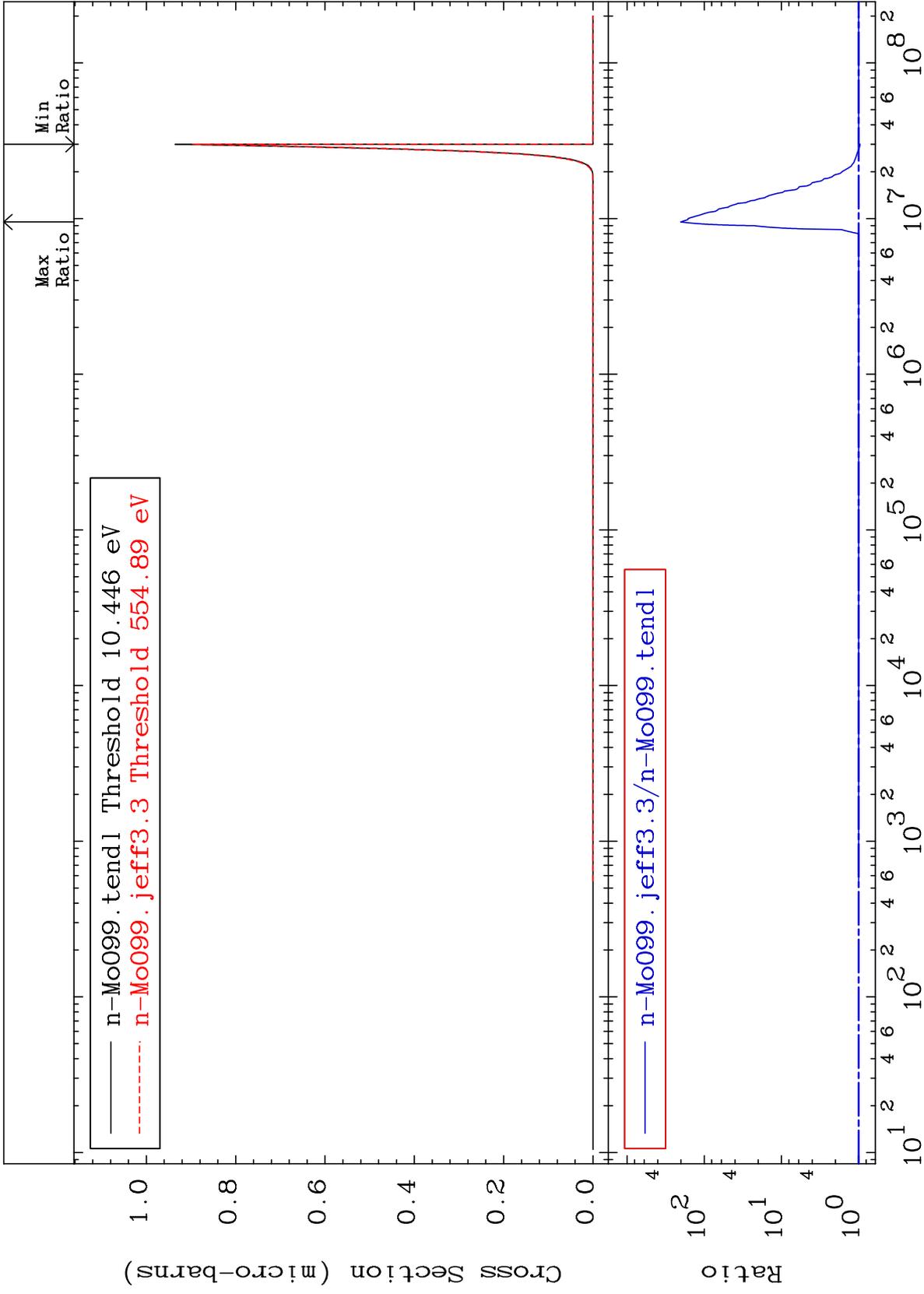
(n, α)

42-Mo-99

Cross Section

-6.065 To 497.0 %

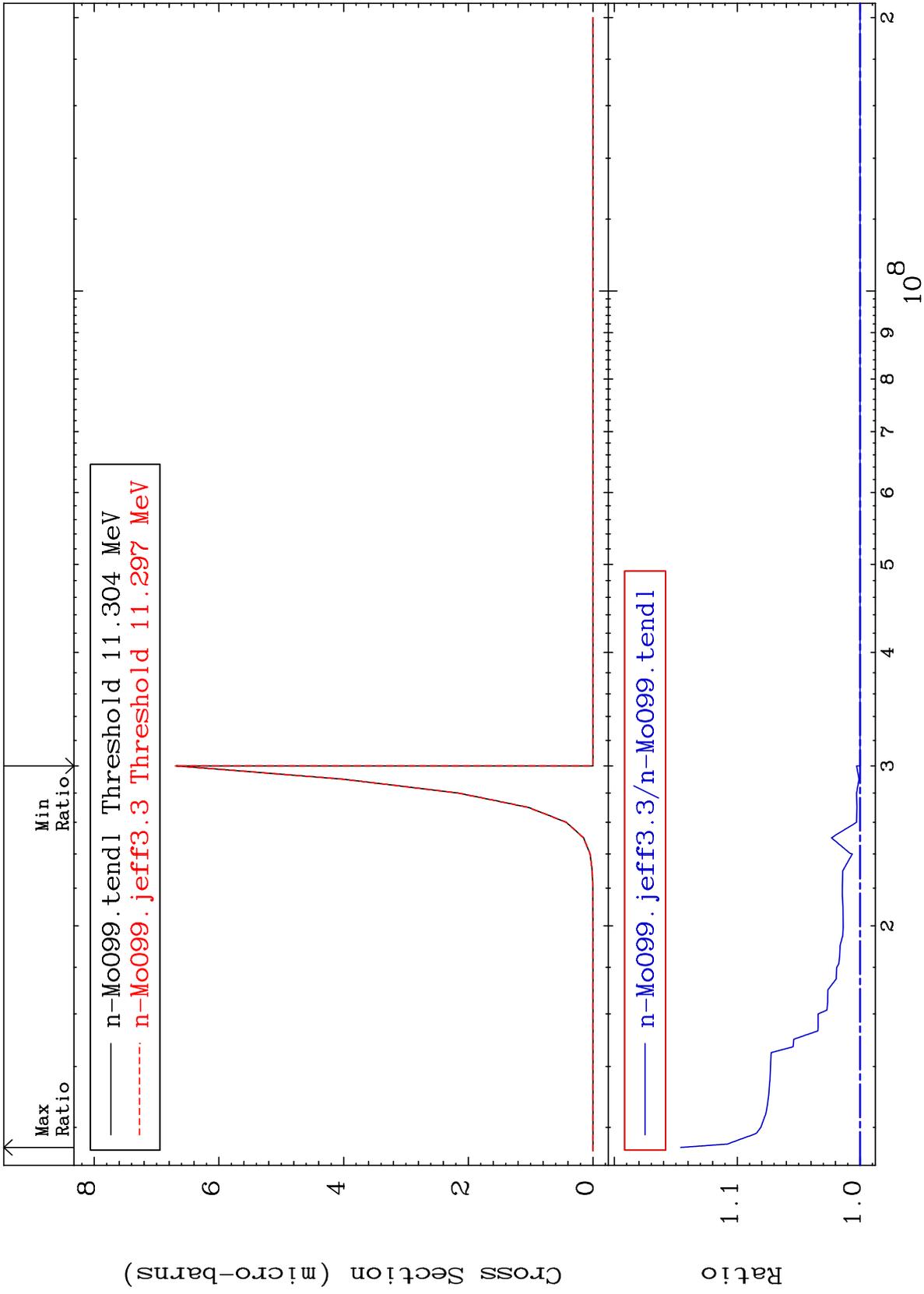


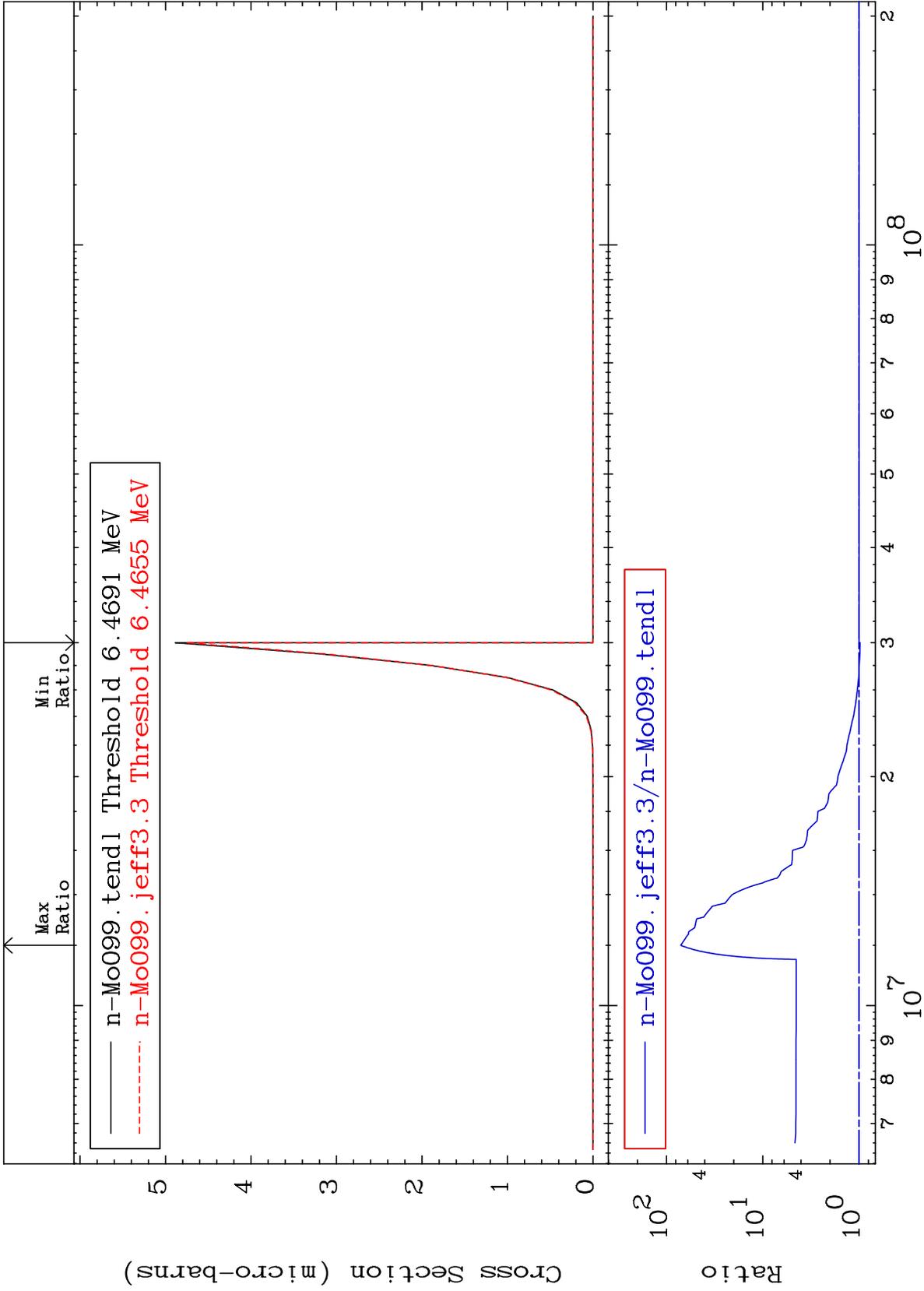


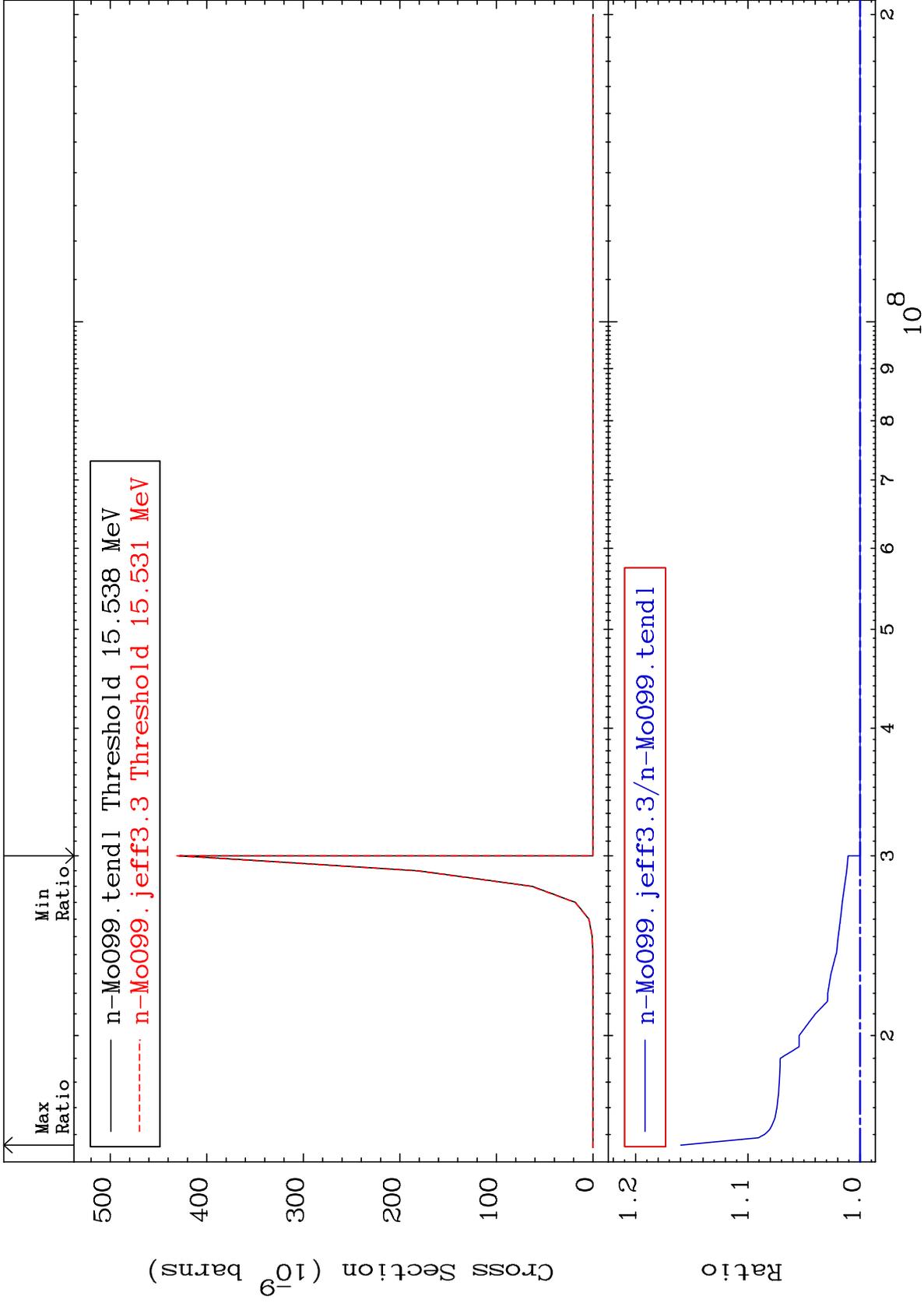
MAT 4246

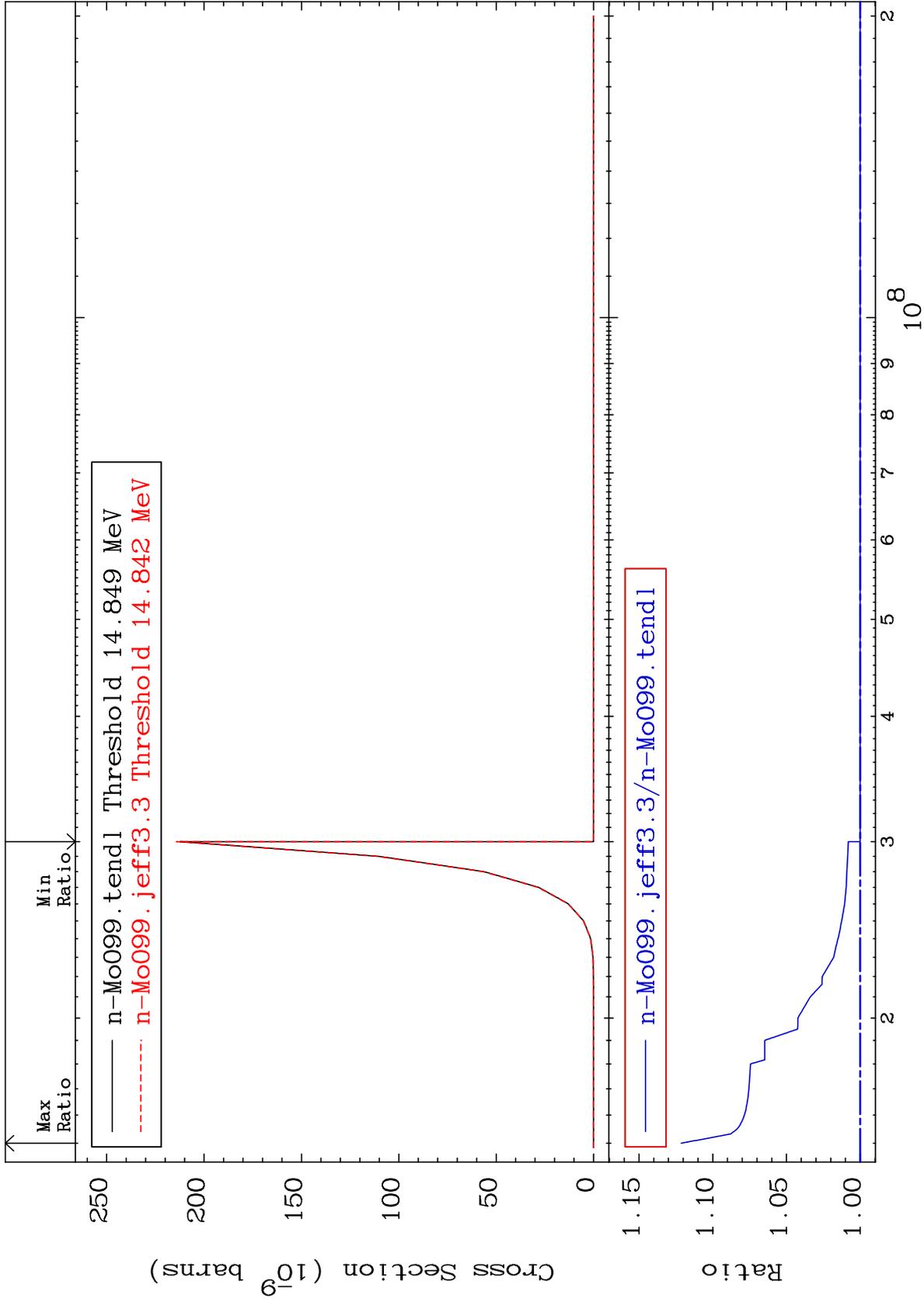
(n,2p)
Cross Section

42-Mo-99
0.000 To 14.60 %





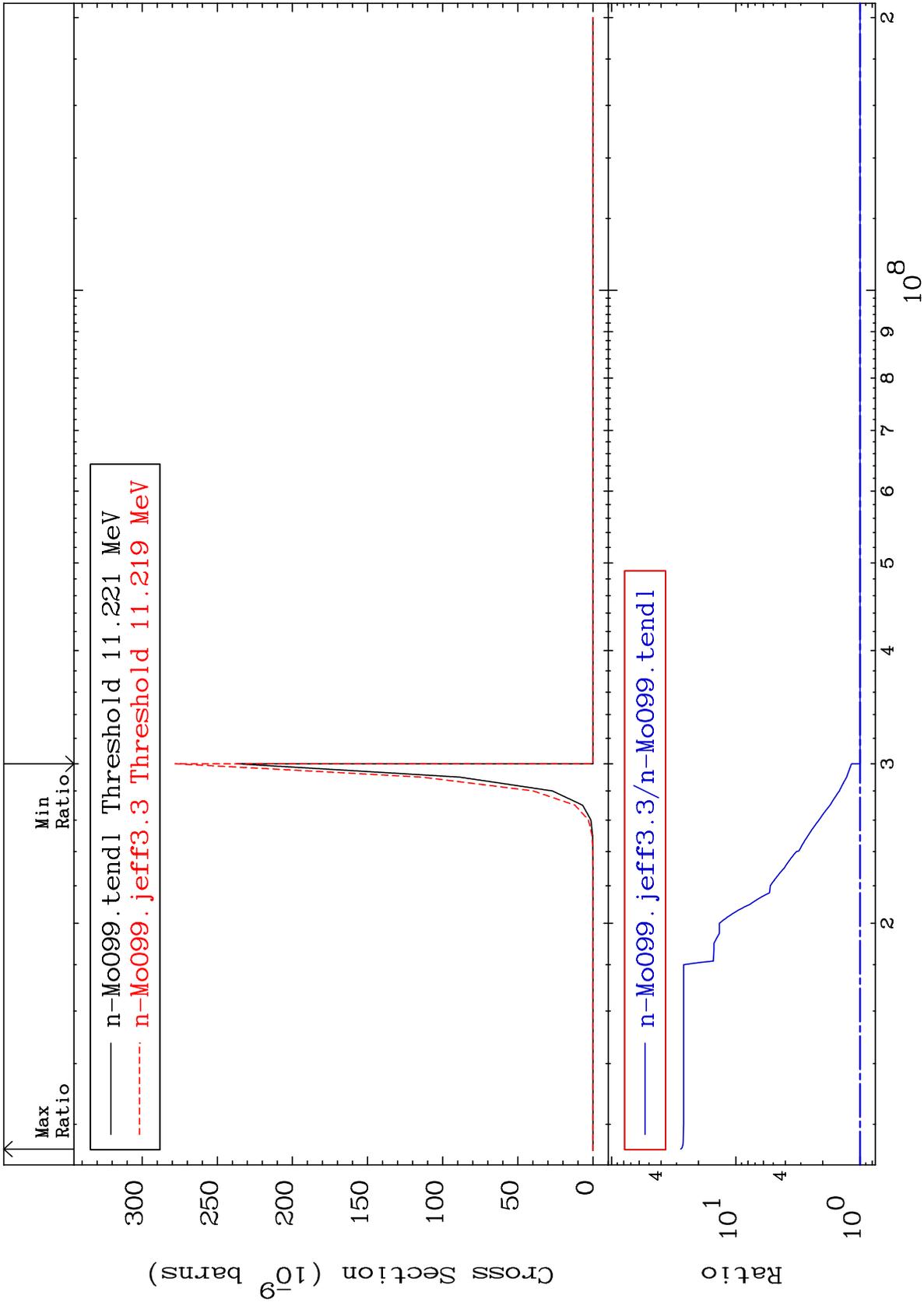




MAT 4246

(n, d) α
Cross Section

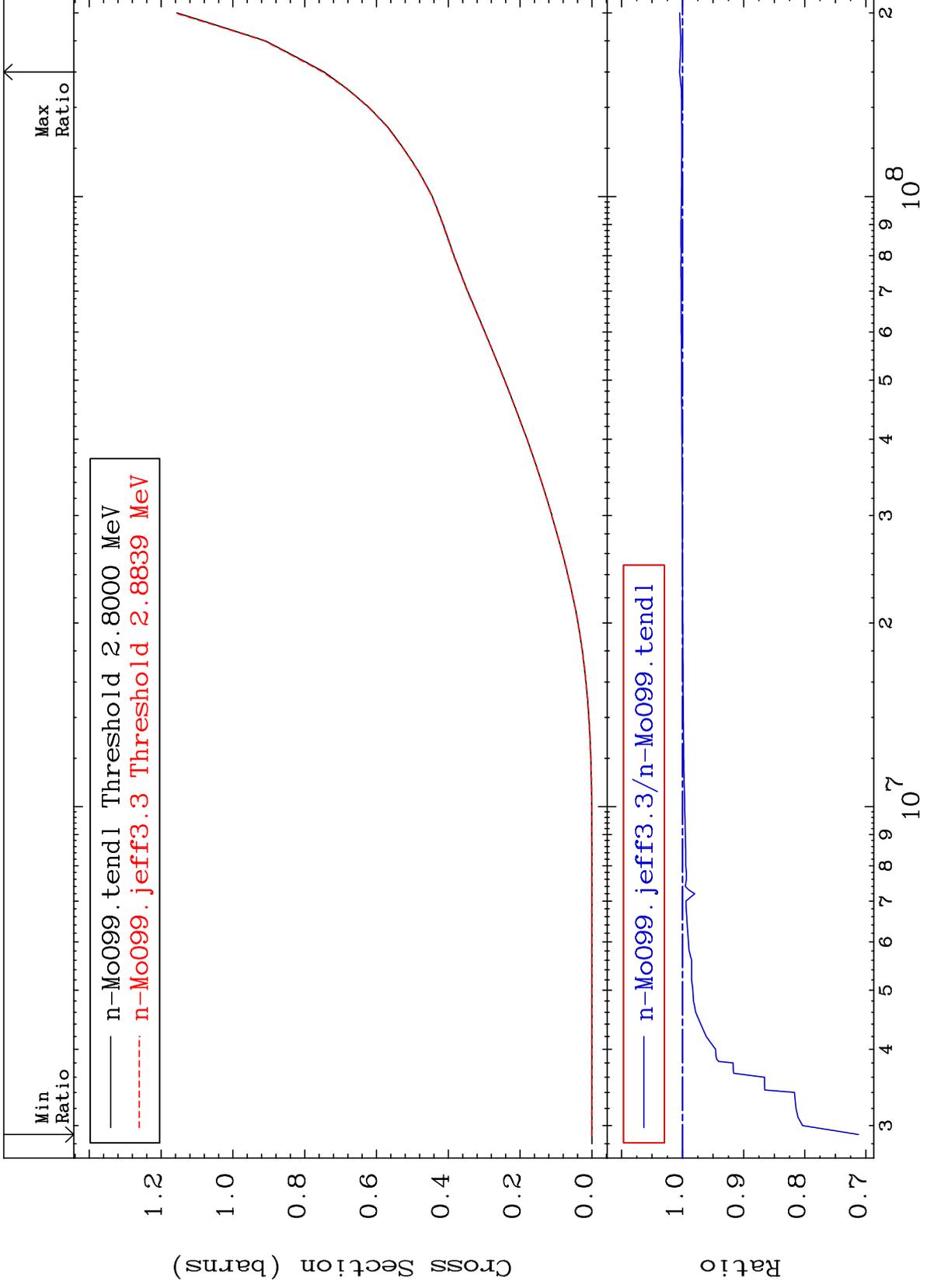
42-Mo-99
To 2674. %
0.000



60

Incident Energy (eV)

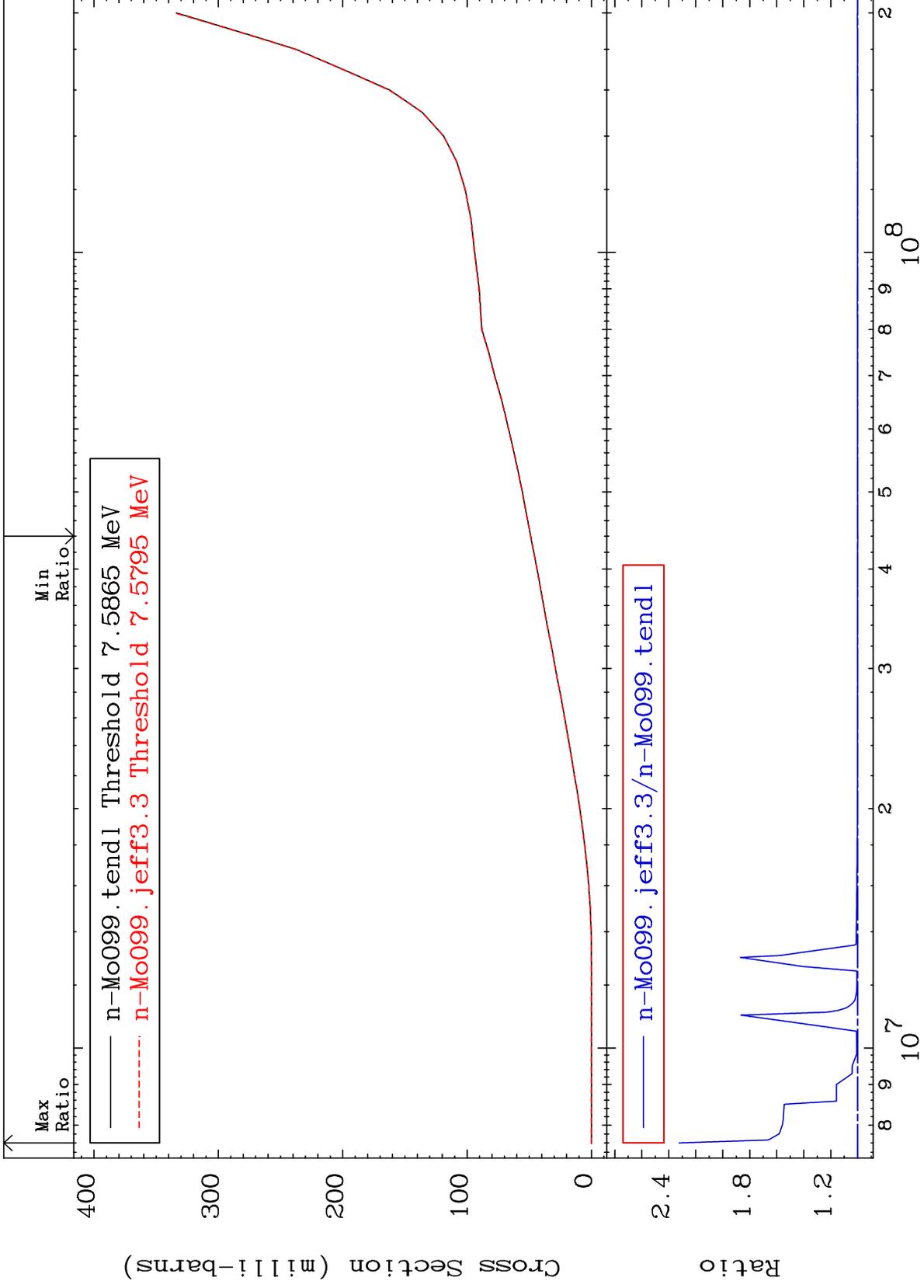
42-Mo-99



MAT 4246

Deuterium Production
Cross Section

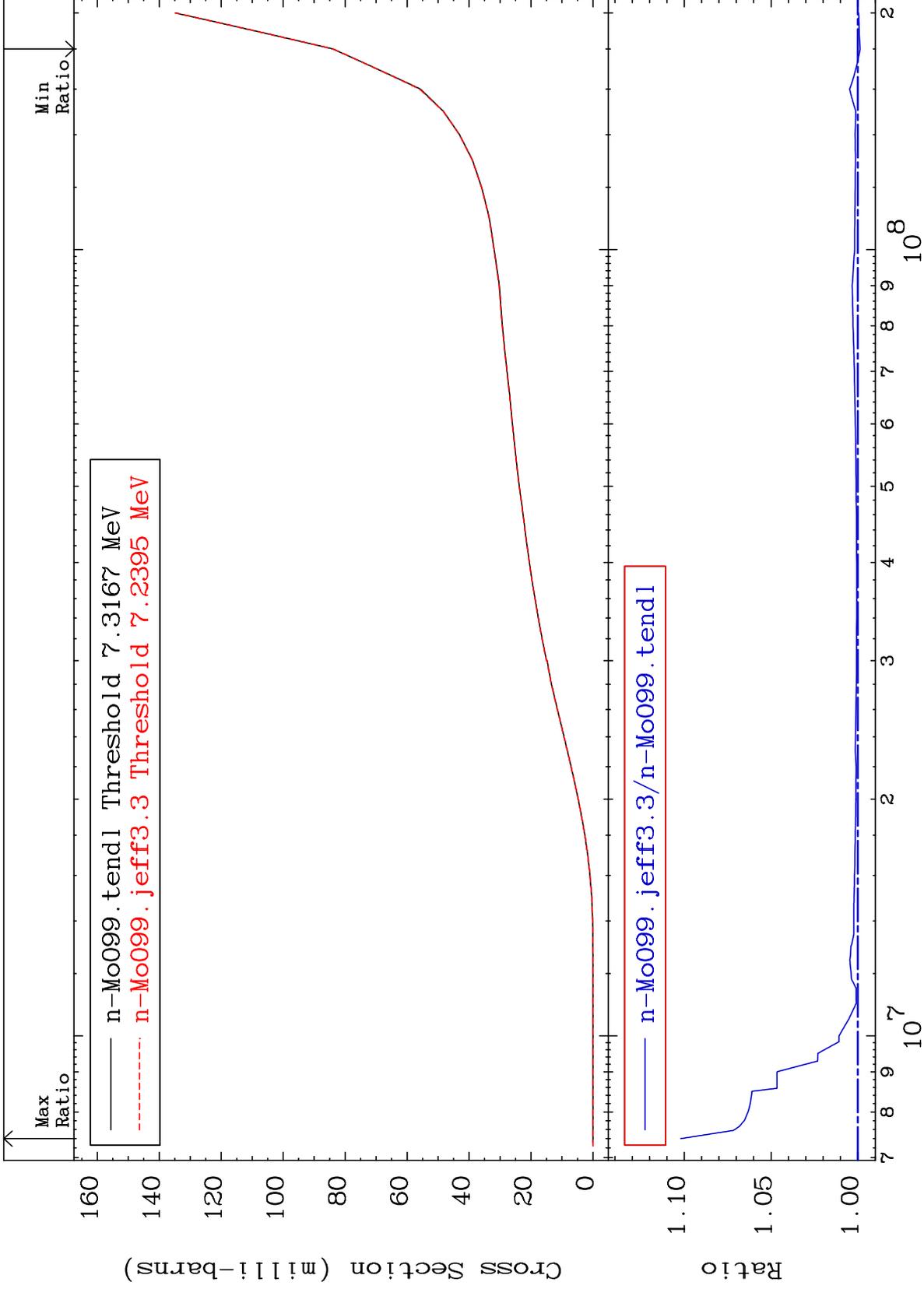
42-Mo-99
-0.125 To 132.4 %



MAT 4246

Tritium Production
Cross Section

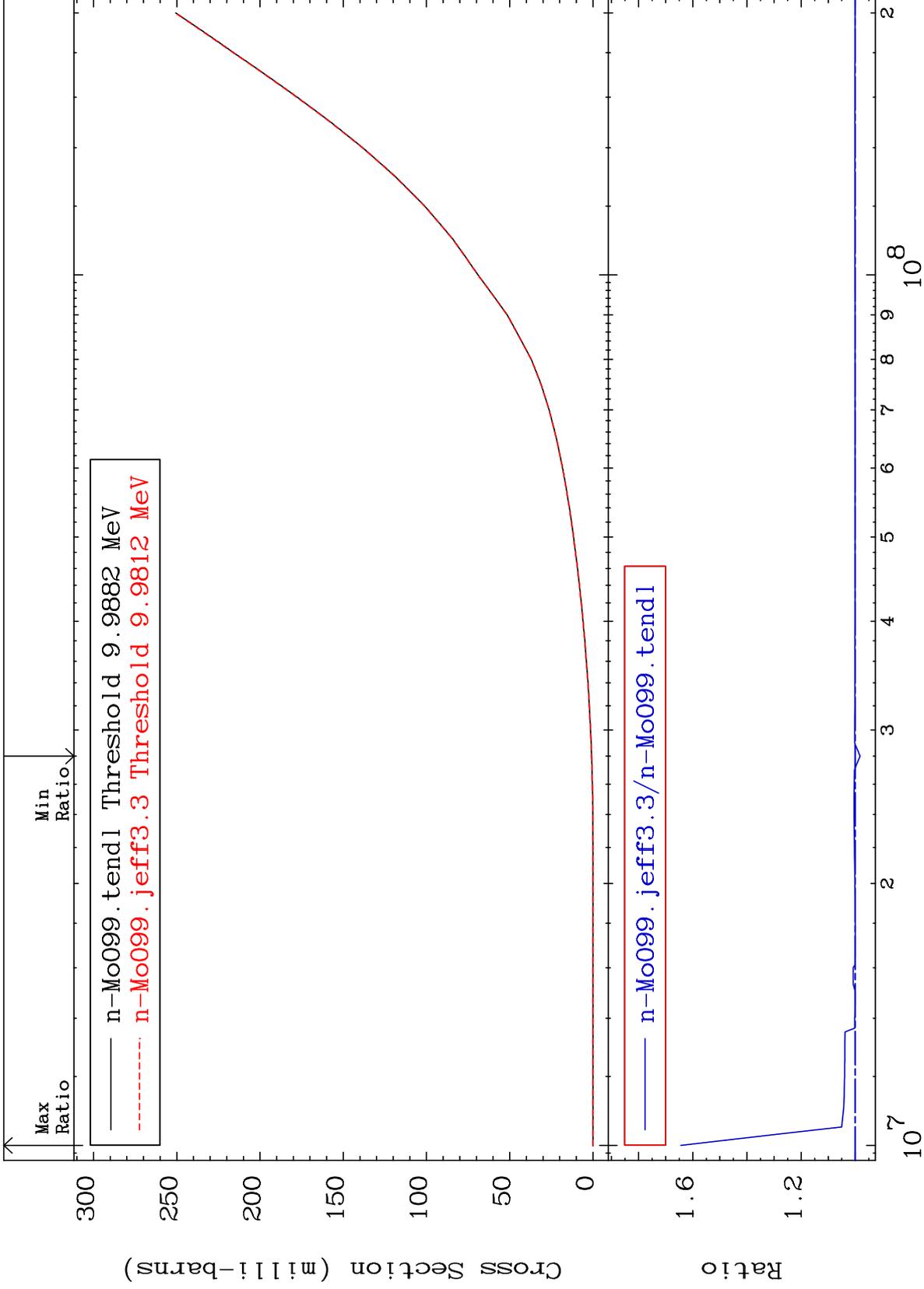
42-Mo-99
-0.133 To 10.20 %



MAT 4246

He-3 Production
Cross Section

42-Mo-99
-1.751 To 64.43 %



64

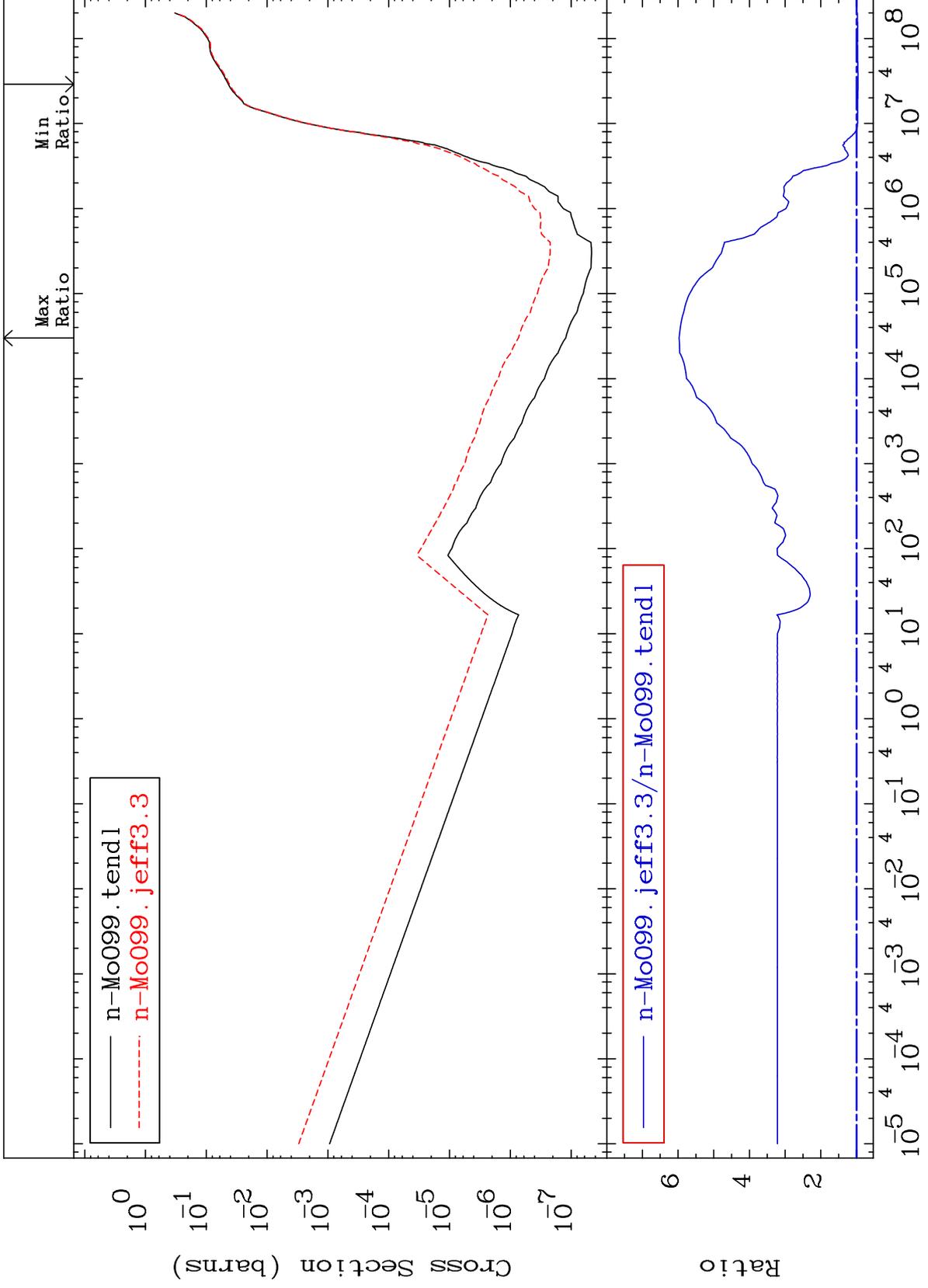
Incident Energy (eV)

42-Mo-99

MAT 4246

He-4 Production Cross Section

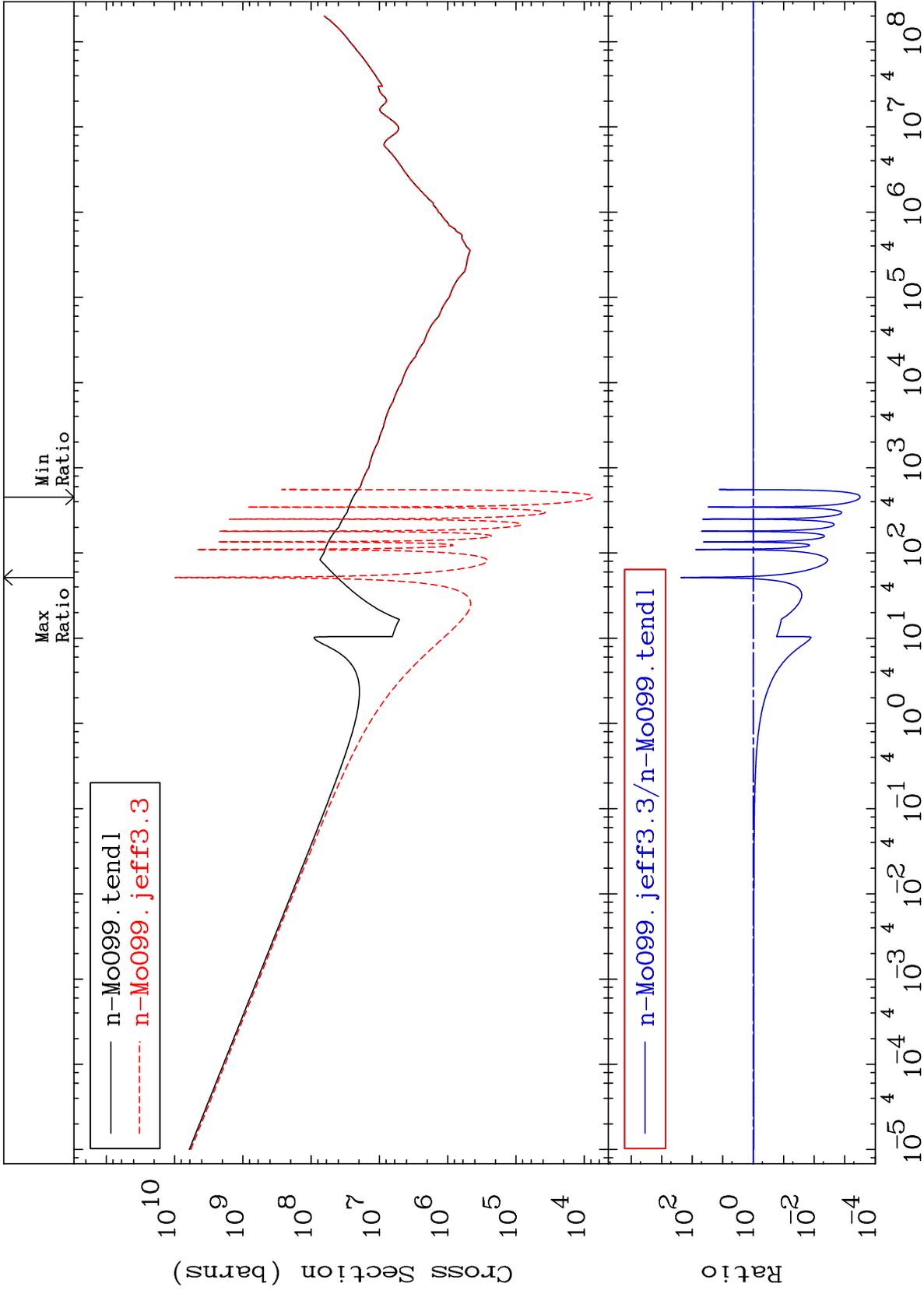
42-Mo-99
-4.308 To 497.0 %

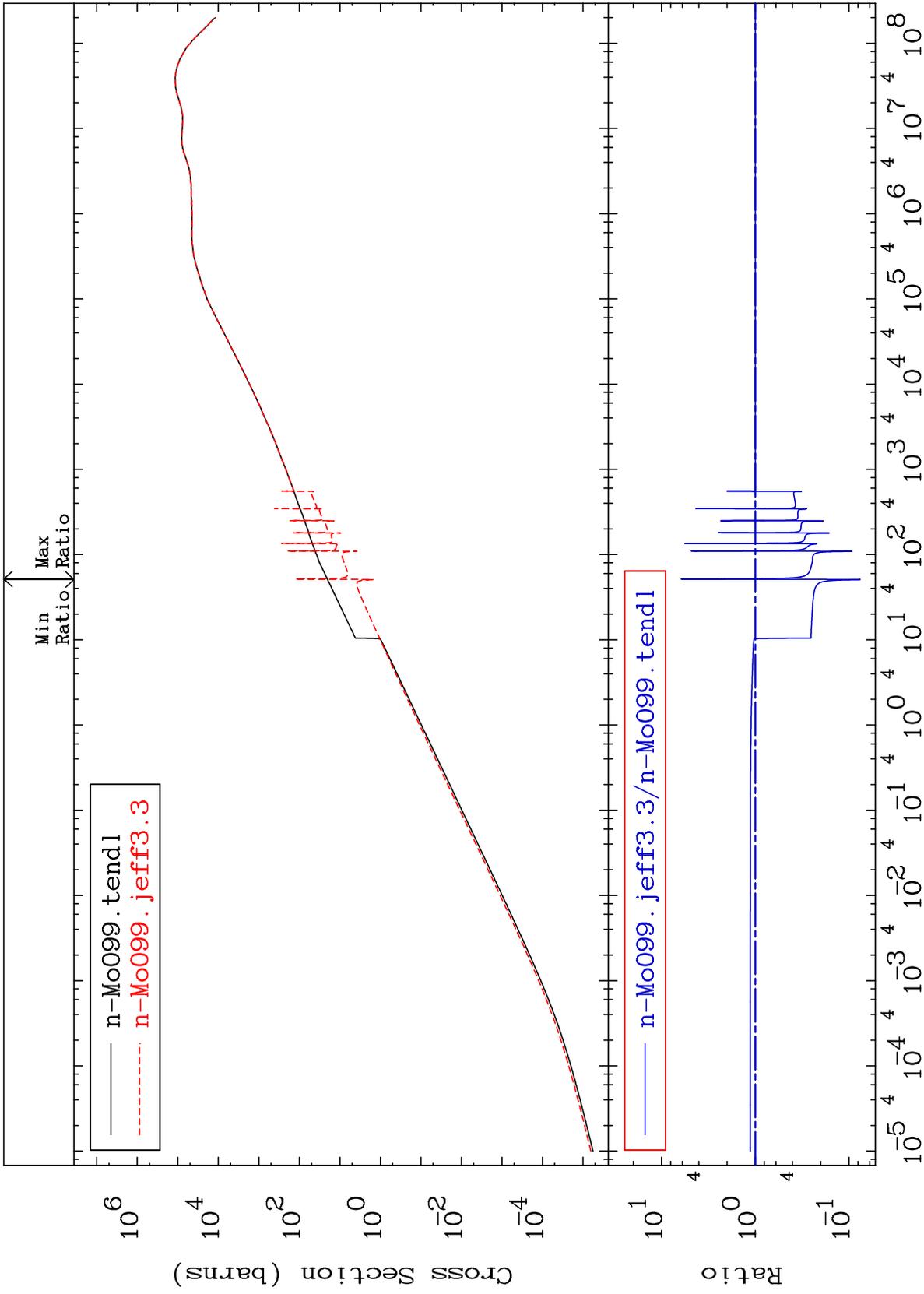


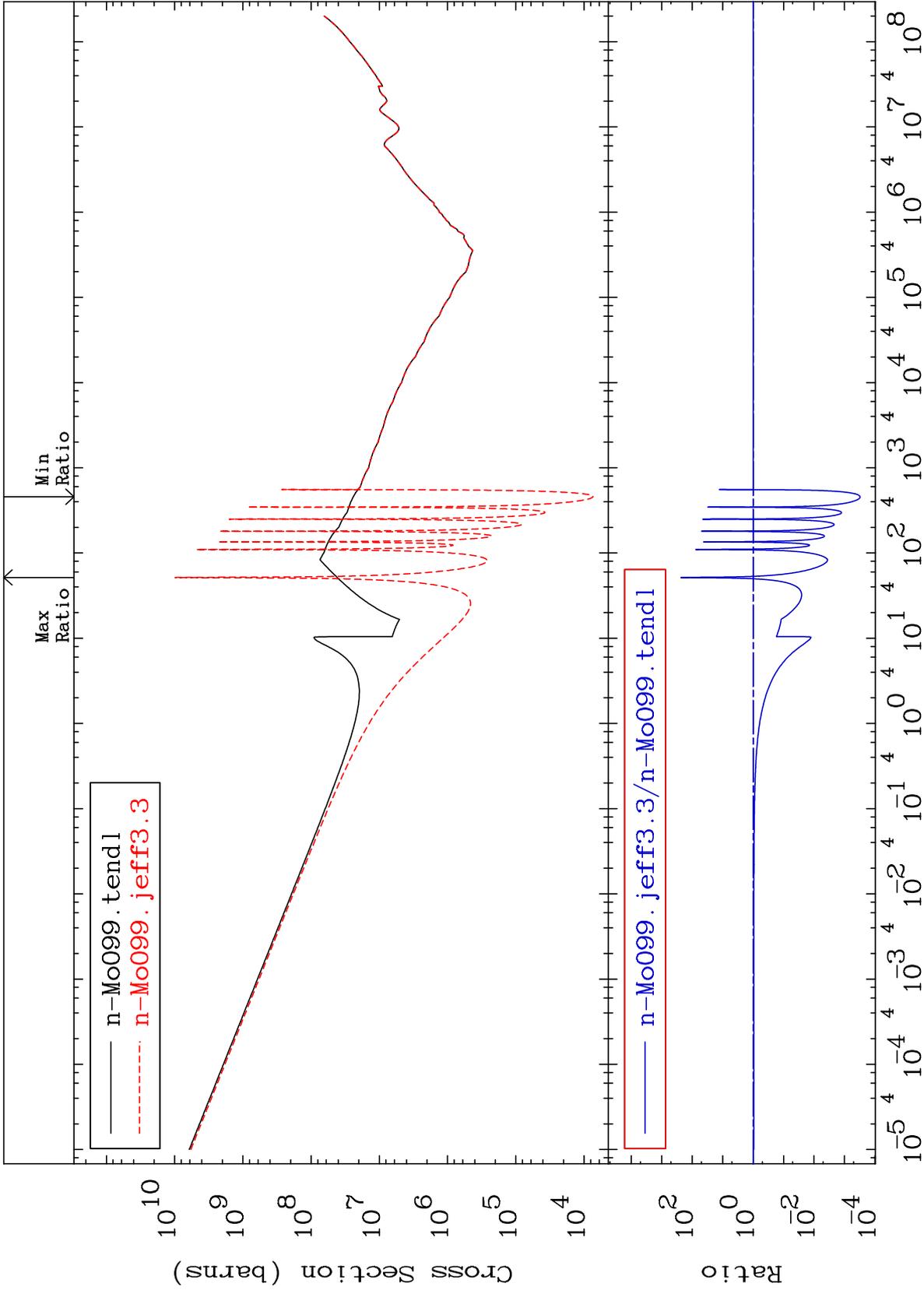
65

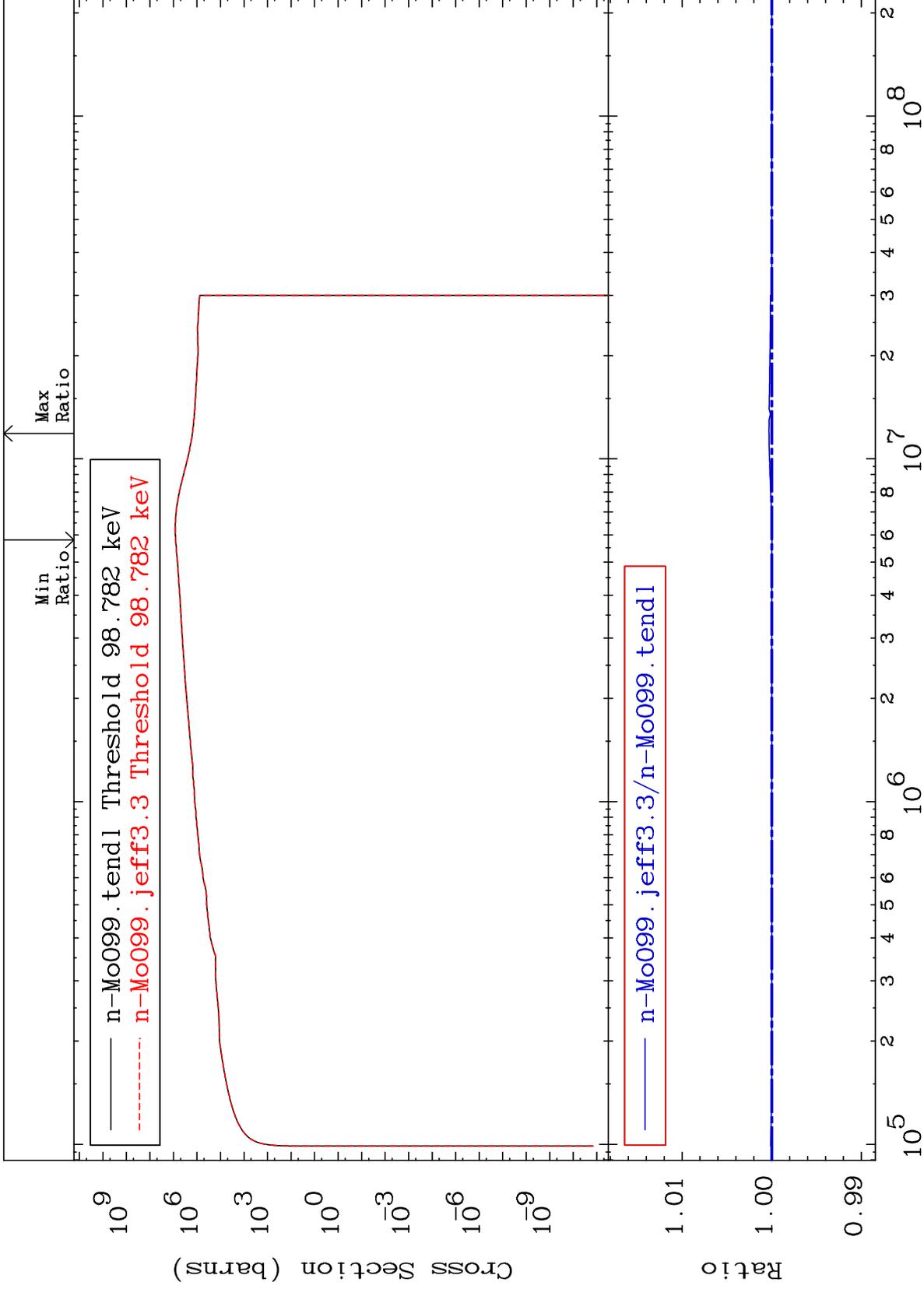
Incident Energy (eV)

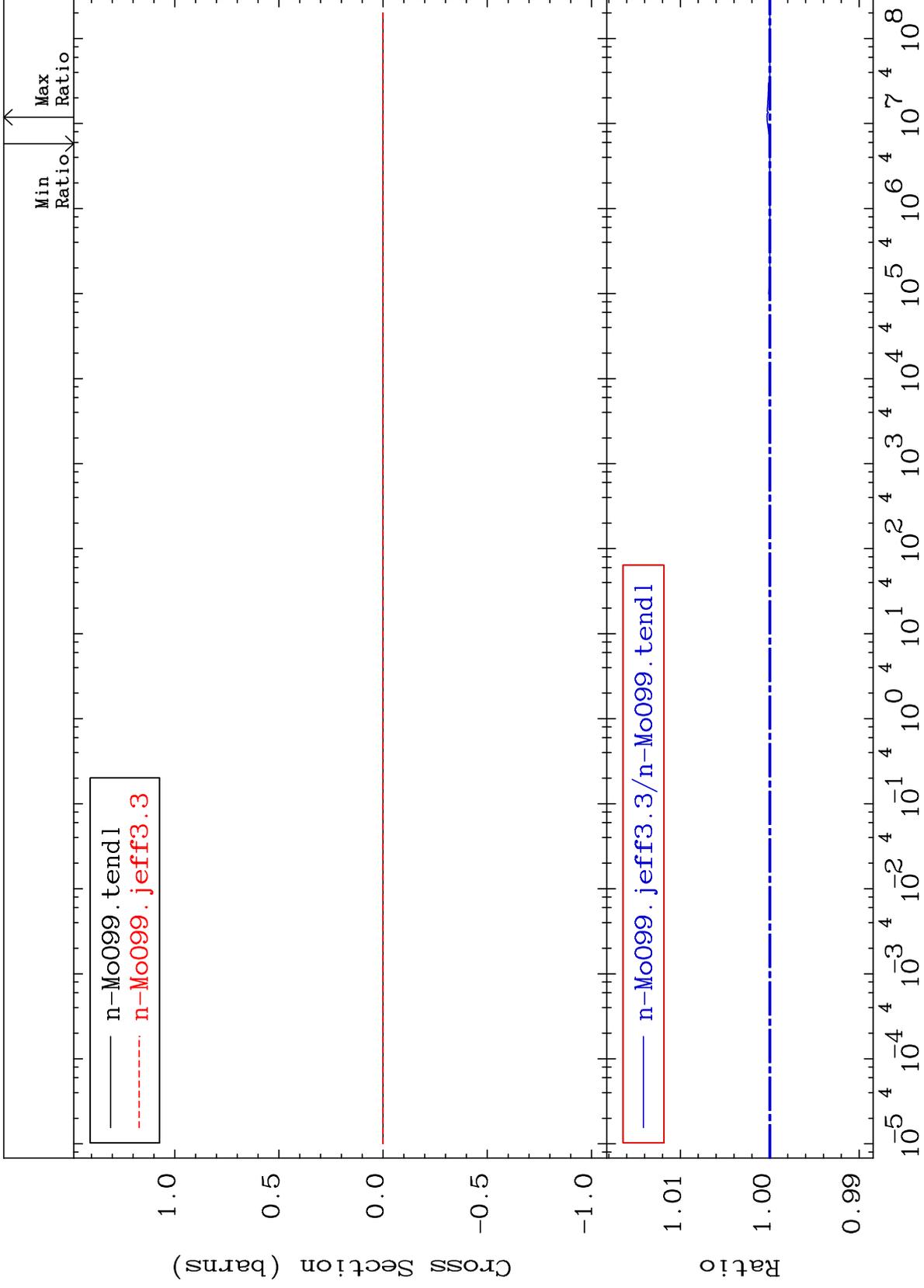
42-Mo-99

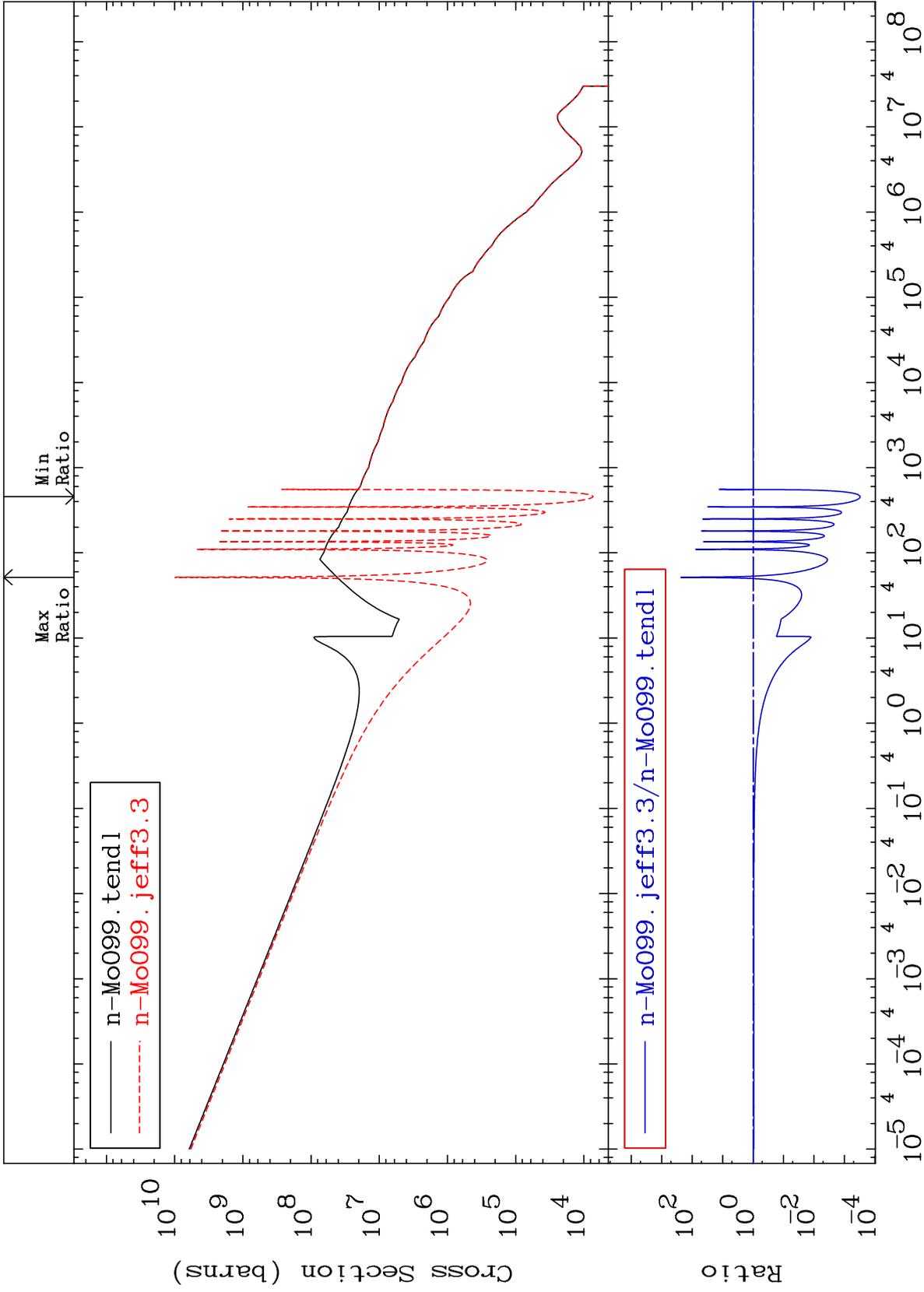


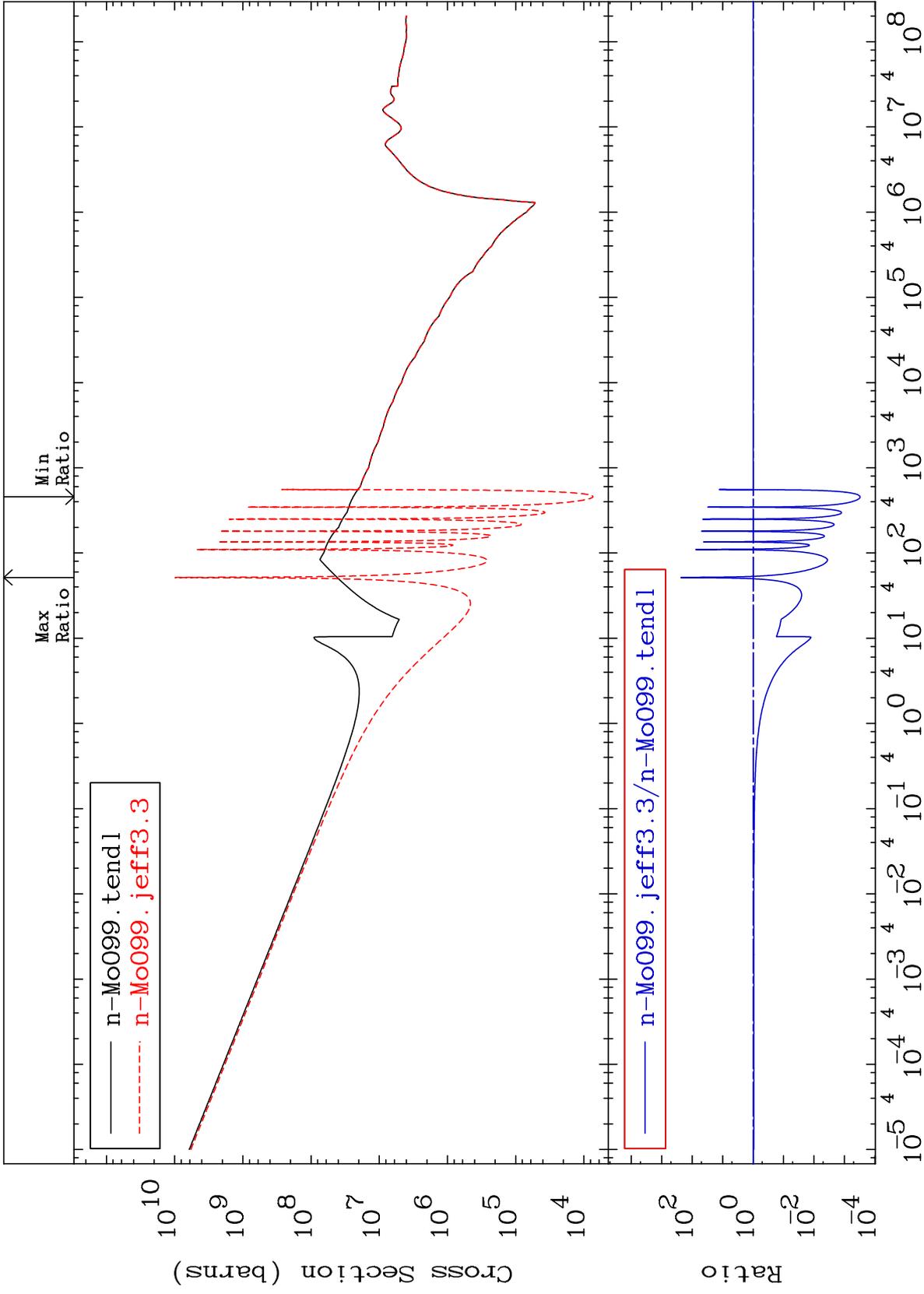


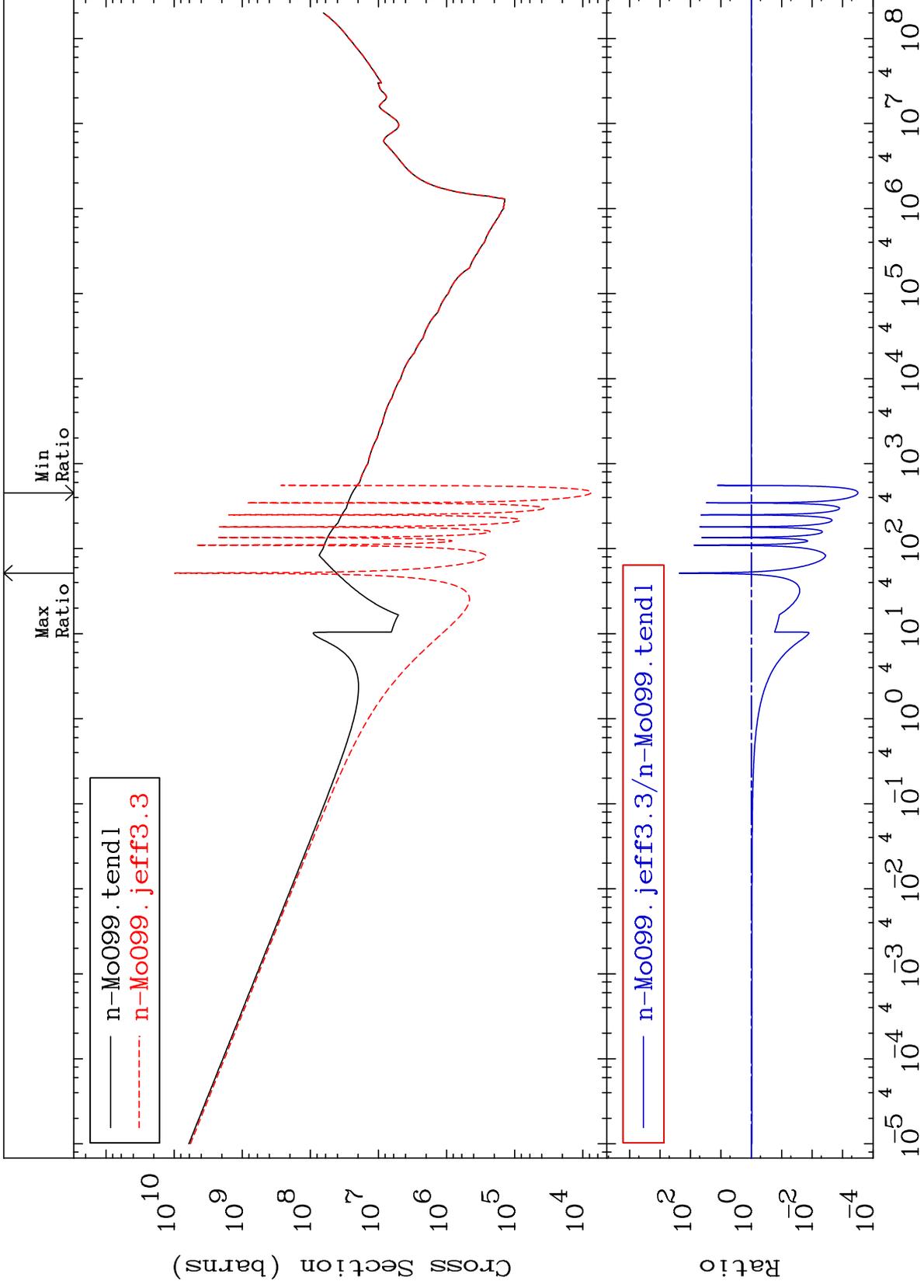


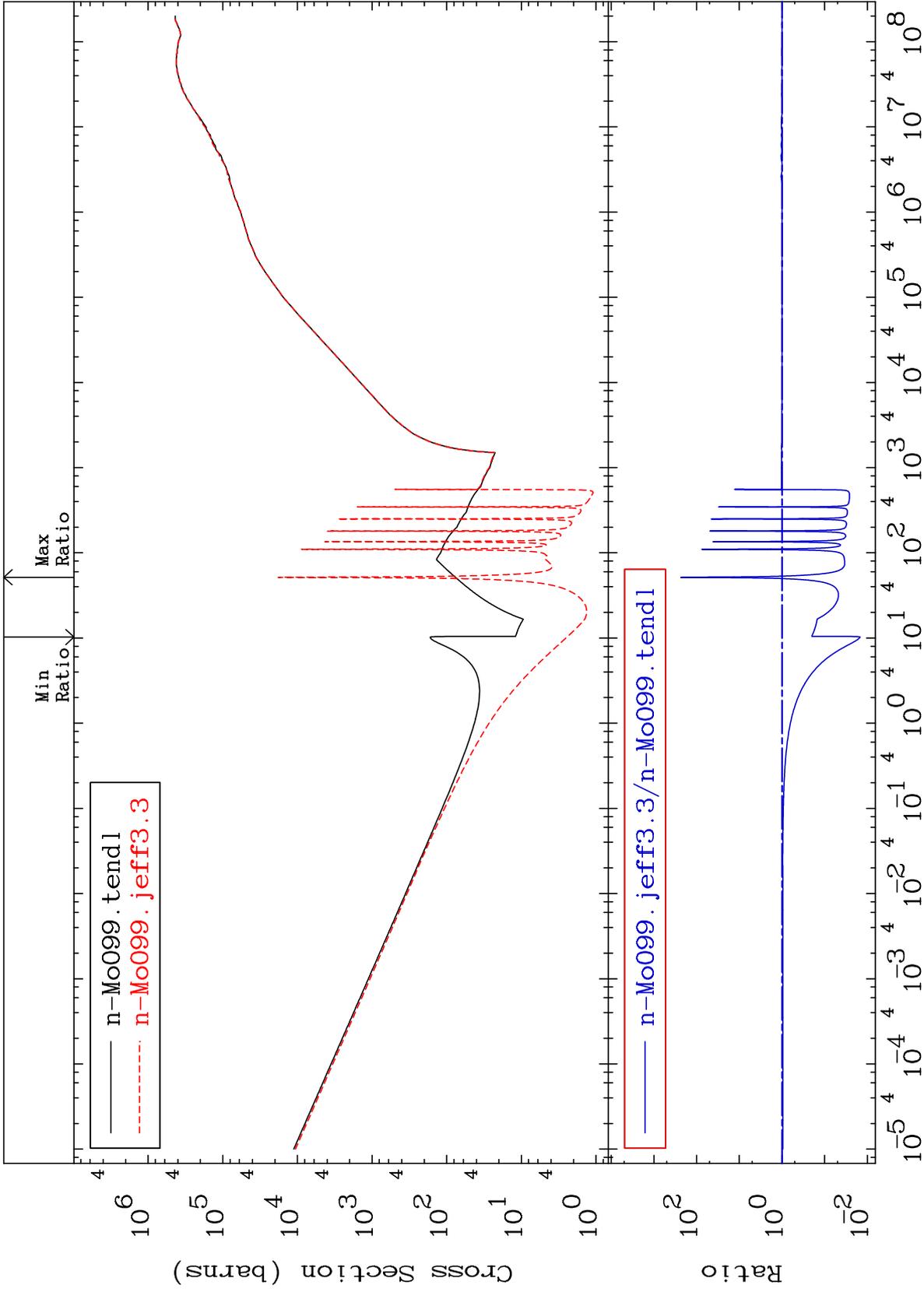


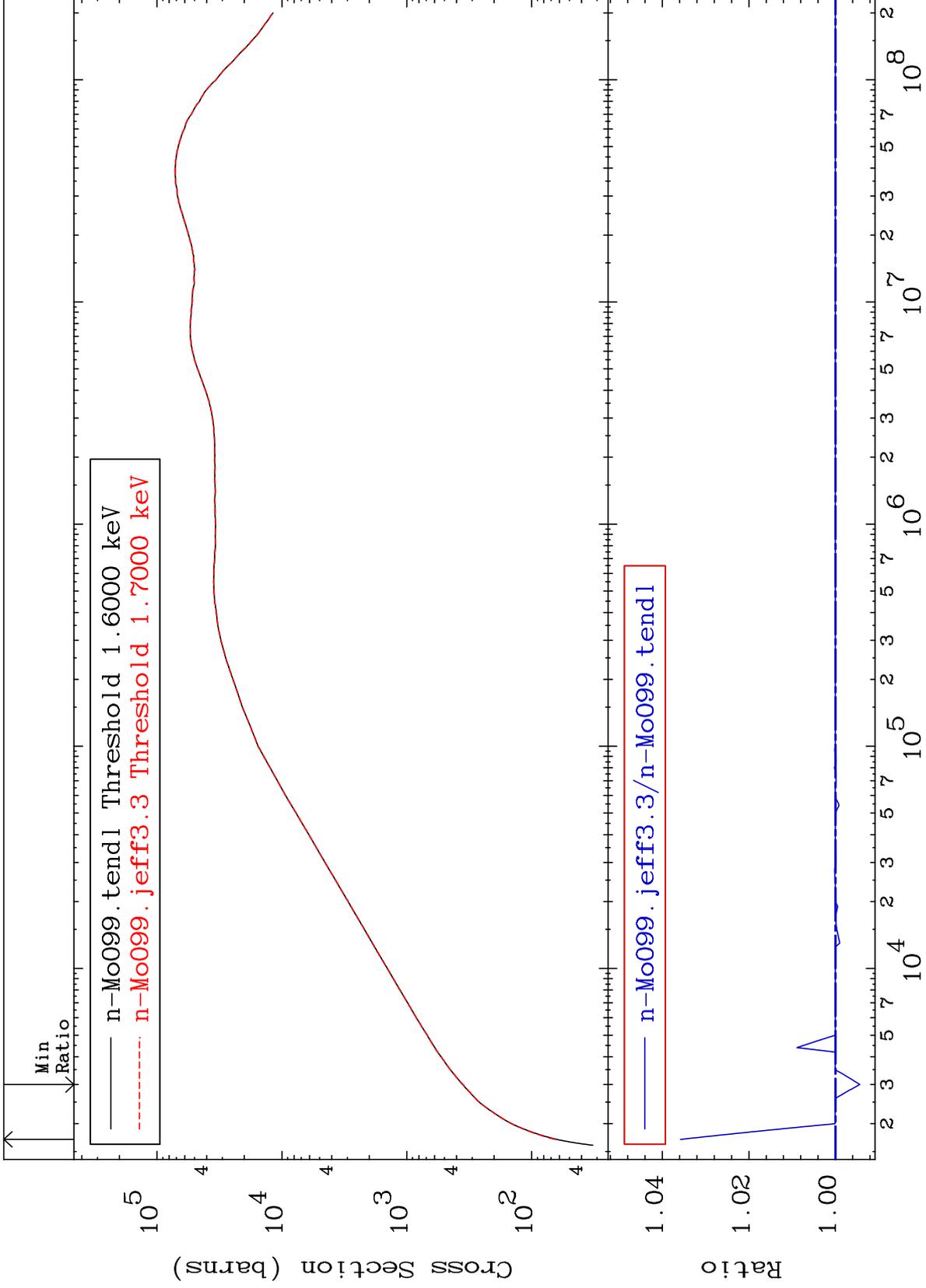










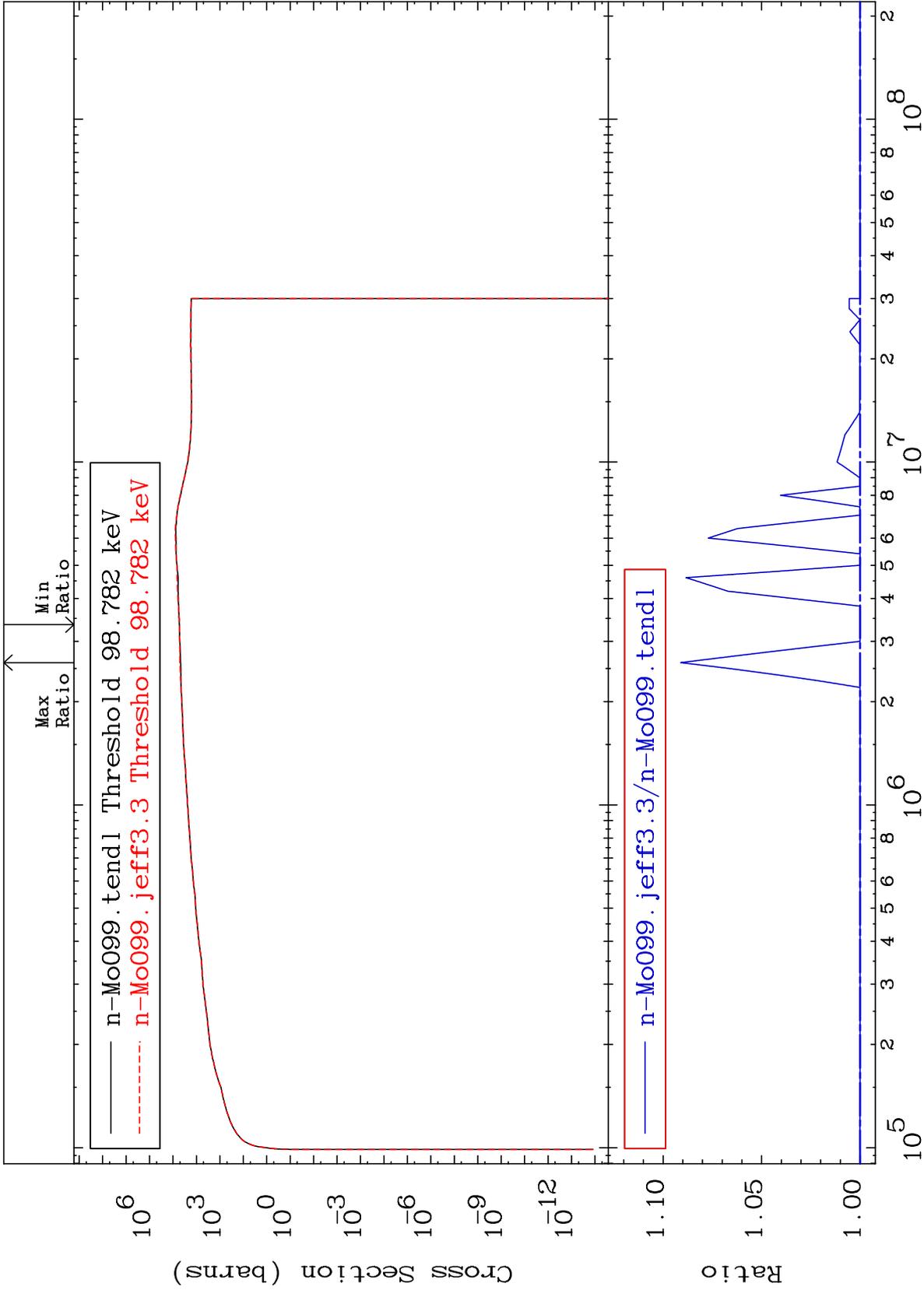


MAT 4246

Dpa inelastic (mt51-91)

42-Mo-99

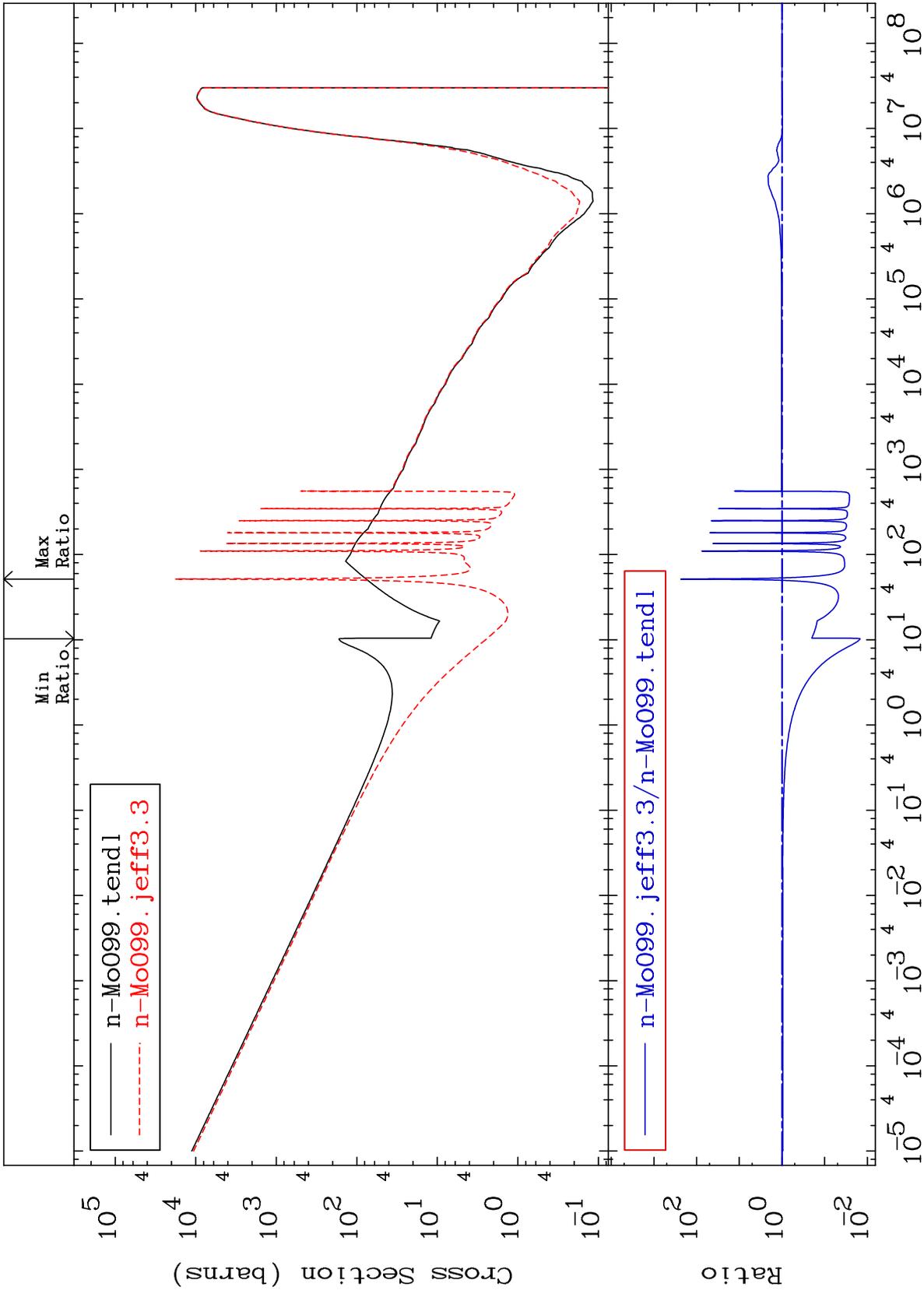
Cross Section To 9.103 %



76

Incident Energy (eV)

42-Mo-99

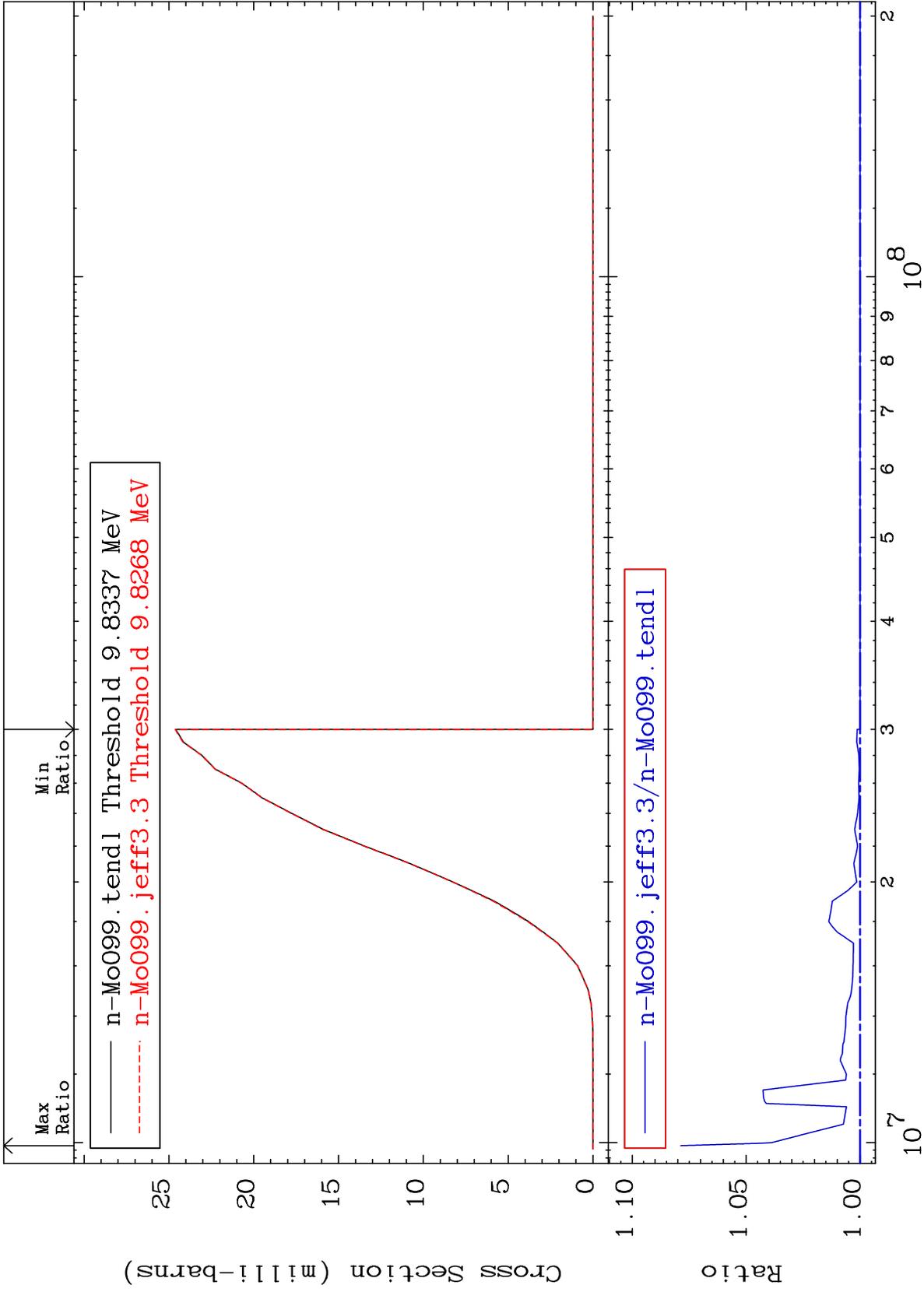


MAT 4246

(n, n') p:41-Nb-98g

42-Mo-99

Radionuclide Production Cross Section 0.000 To 7.871 %



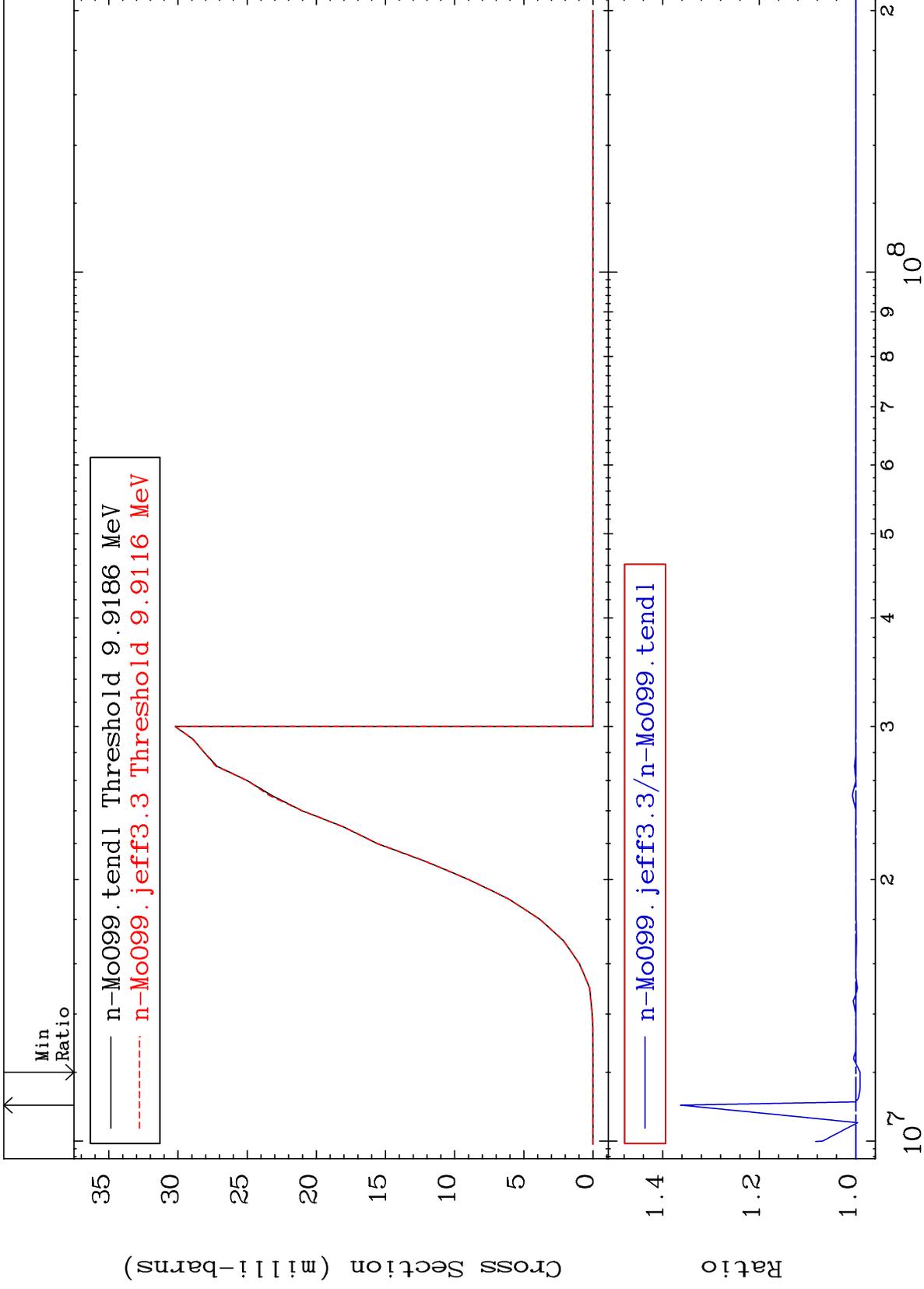
42-Mo-99

MAT 4246

(n, n') p:41-Nb-98m1

42-Mo-99

Radionuclide Production Cross Section -0.872 To 36.26 %

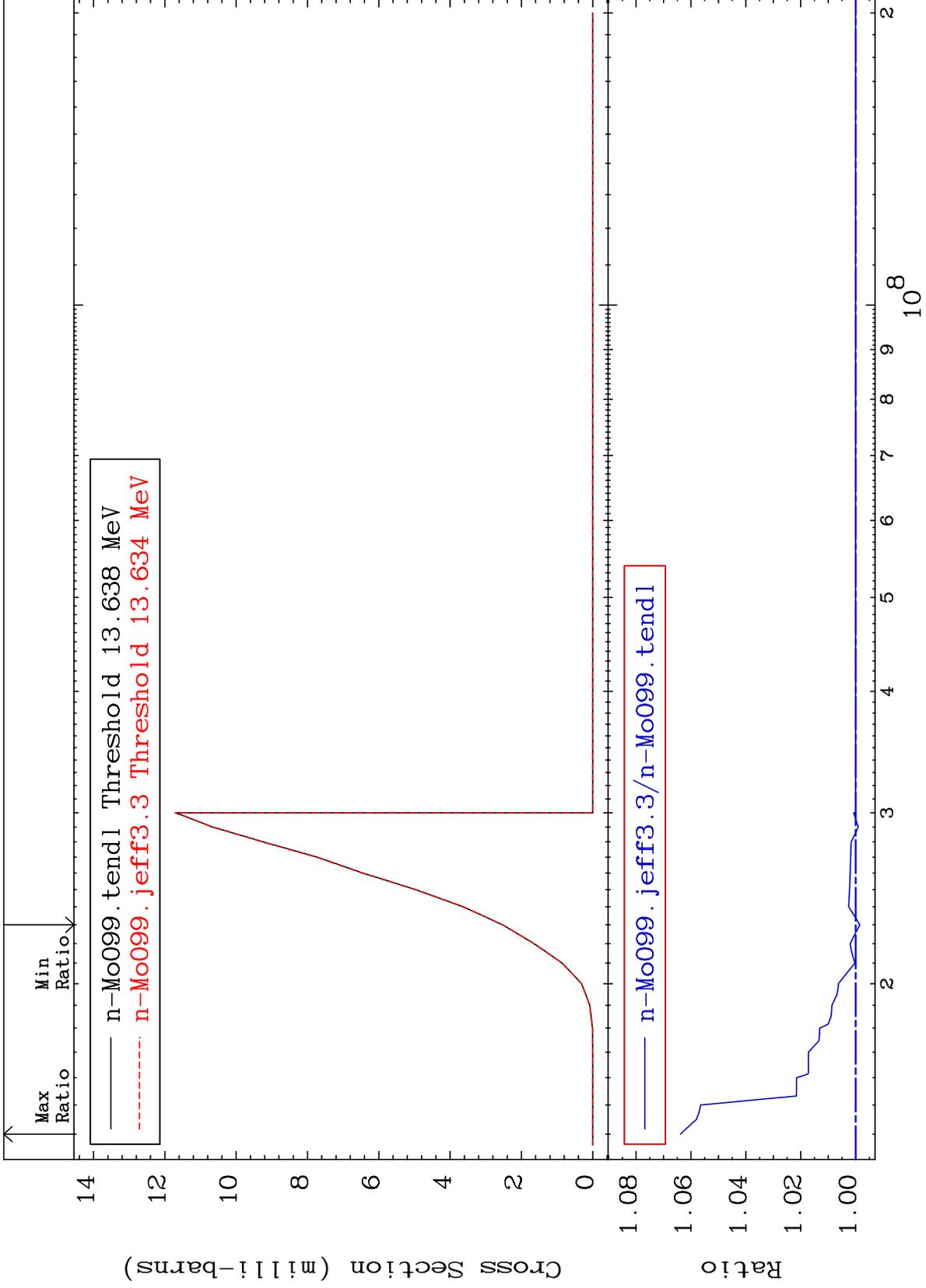


79

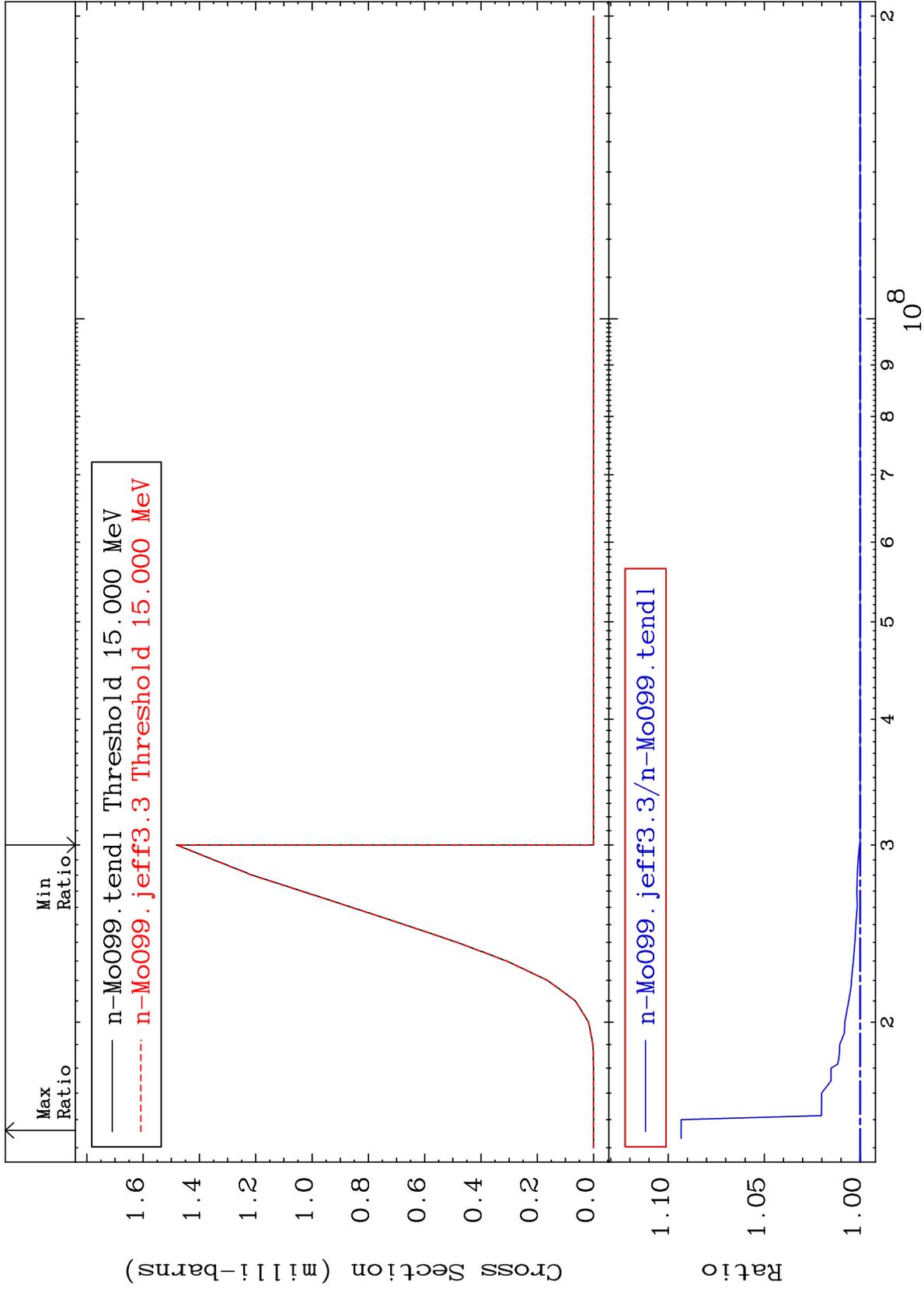
Incident Energy (eV)

42-Mo-99

Radionuclide Production Cross Section -0.150 To 6.381 %



Radionuclide Production Cross Section 0.000 To 9.326 %

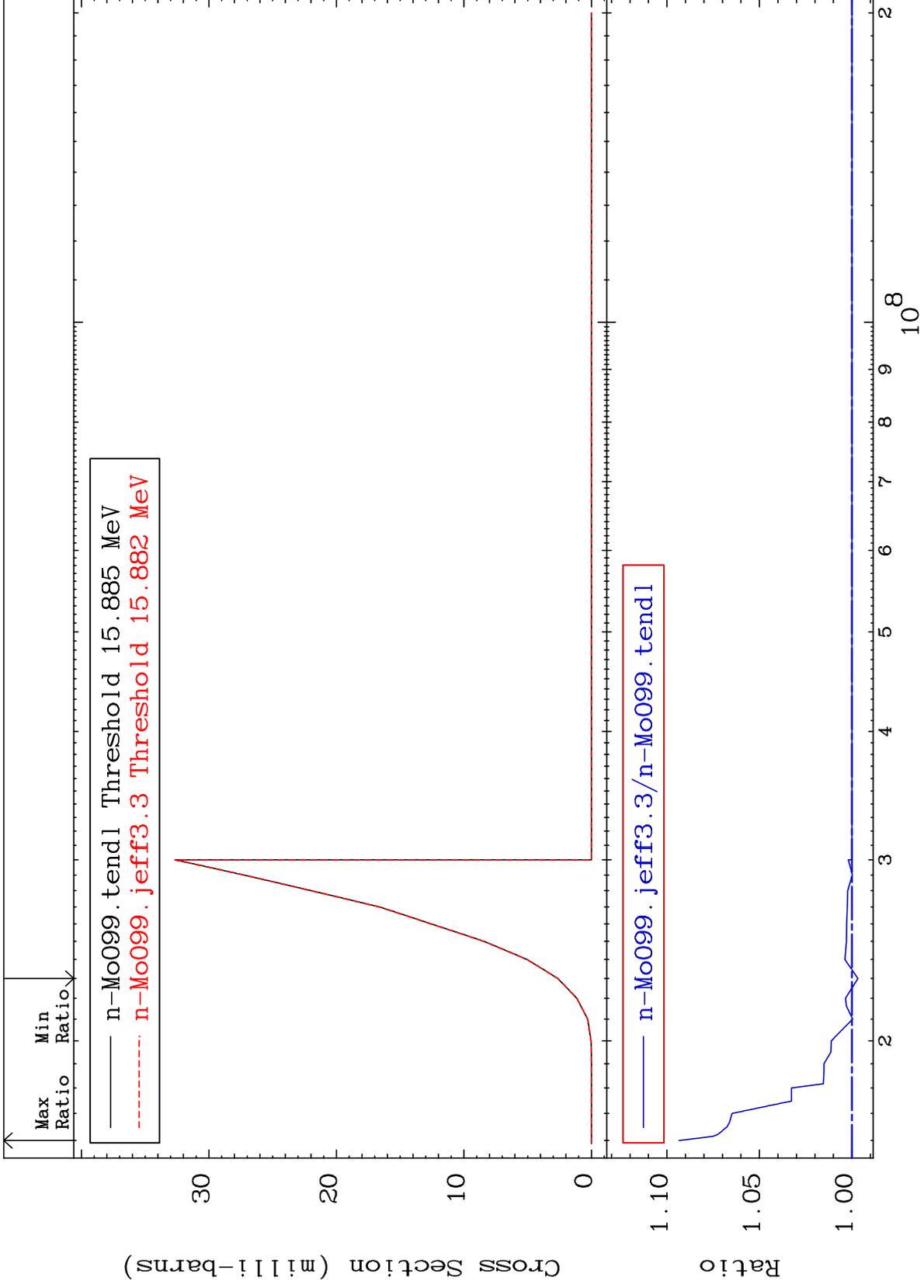


MAT 4246

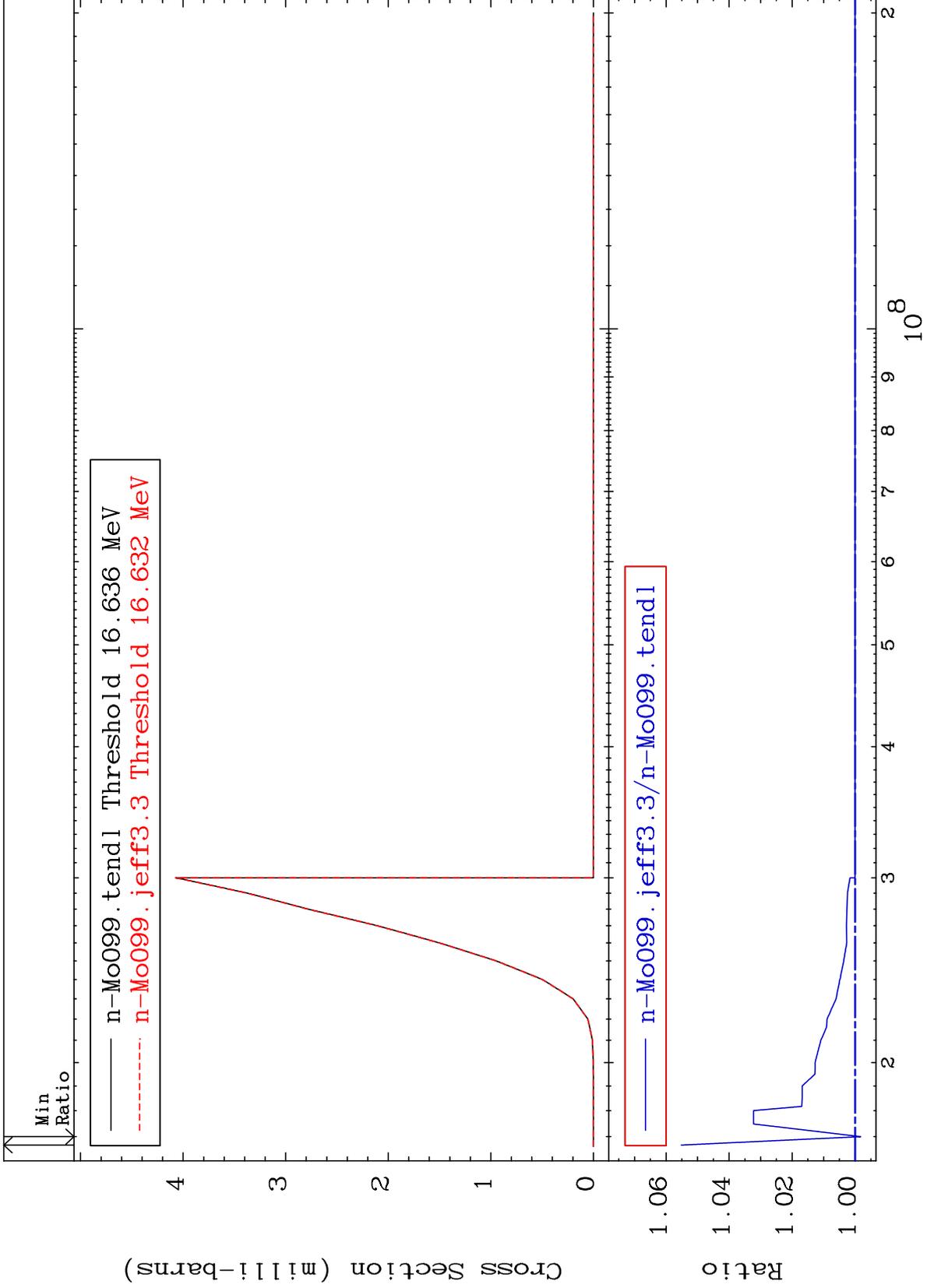
(n,2n) p:41-Nb-97g

42-Mo-99

Radionuclide Production Cross Section -0.323 To 9.348 %



Radionuclide Production Cross Section -0.177 To 5.519 %

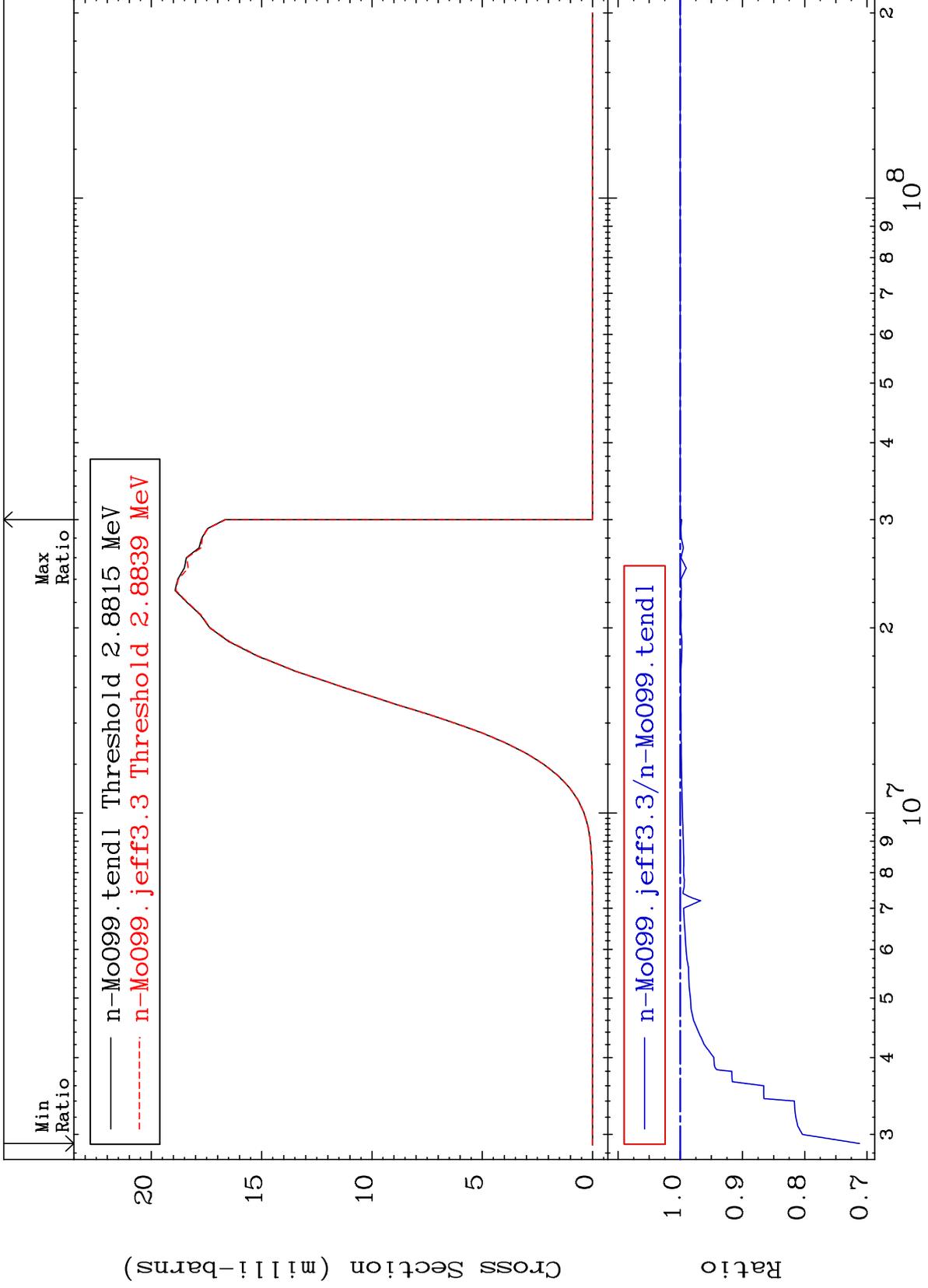


MAT 4246

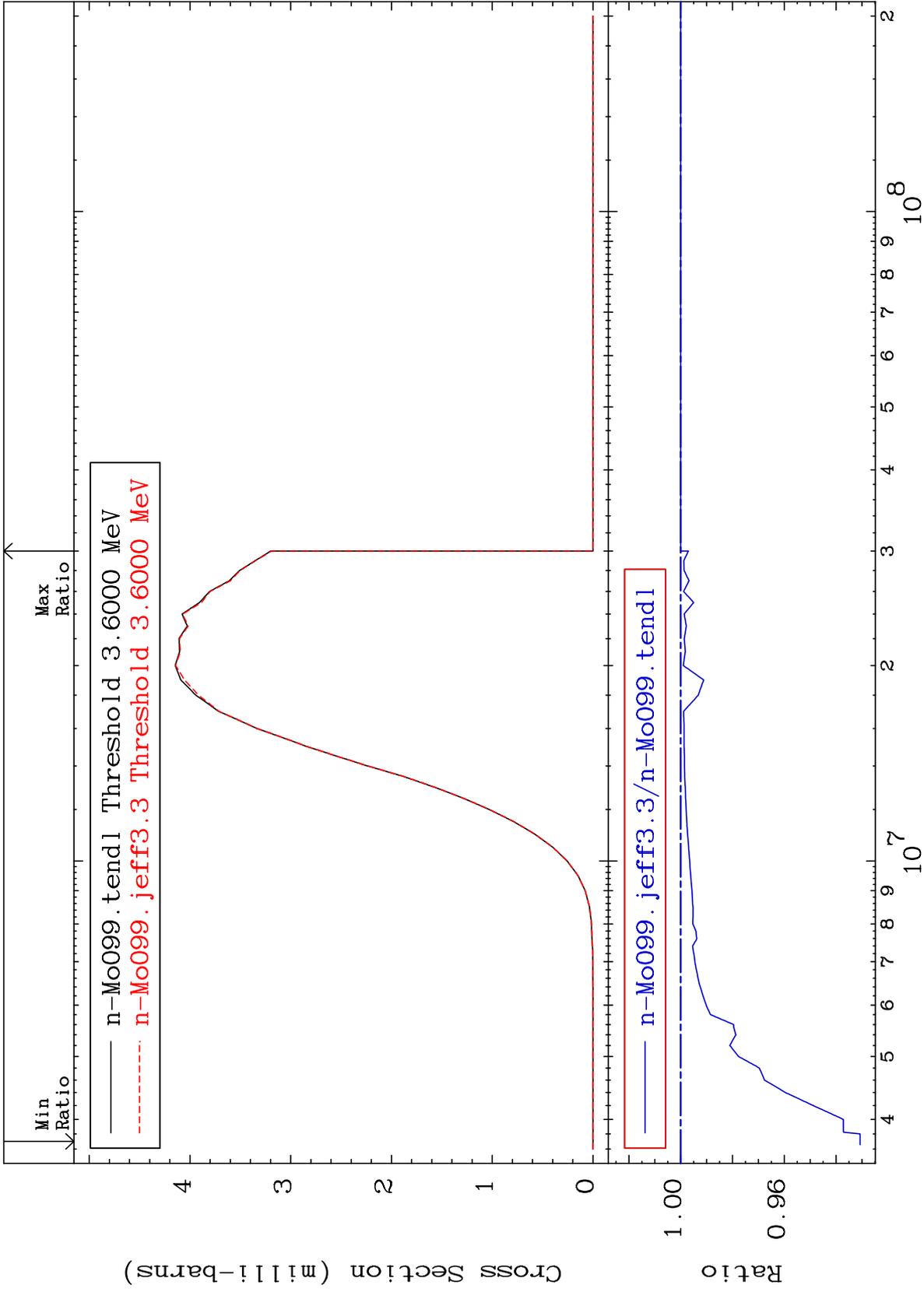
(n, p): 41-Nb-99g

42-Mo-99

Radionuclide Production Cross Section -28.80 To 0.000 %



Radionuclide Production Cross Section -6.928 To 0.000 %

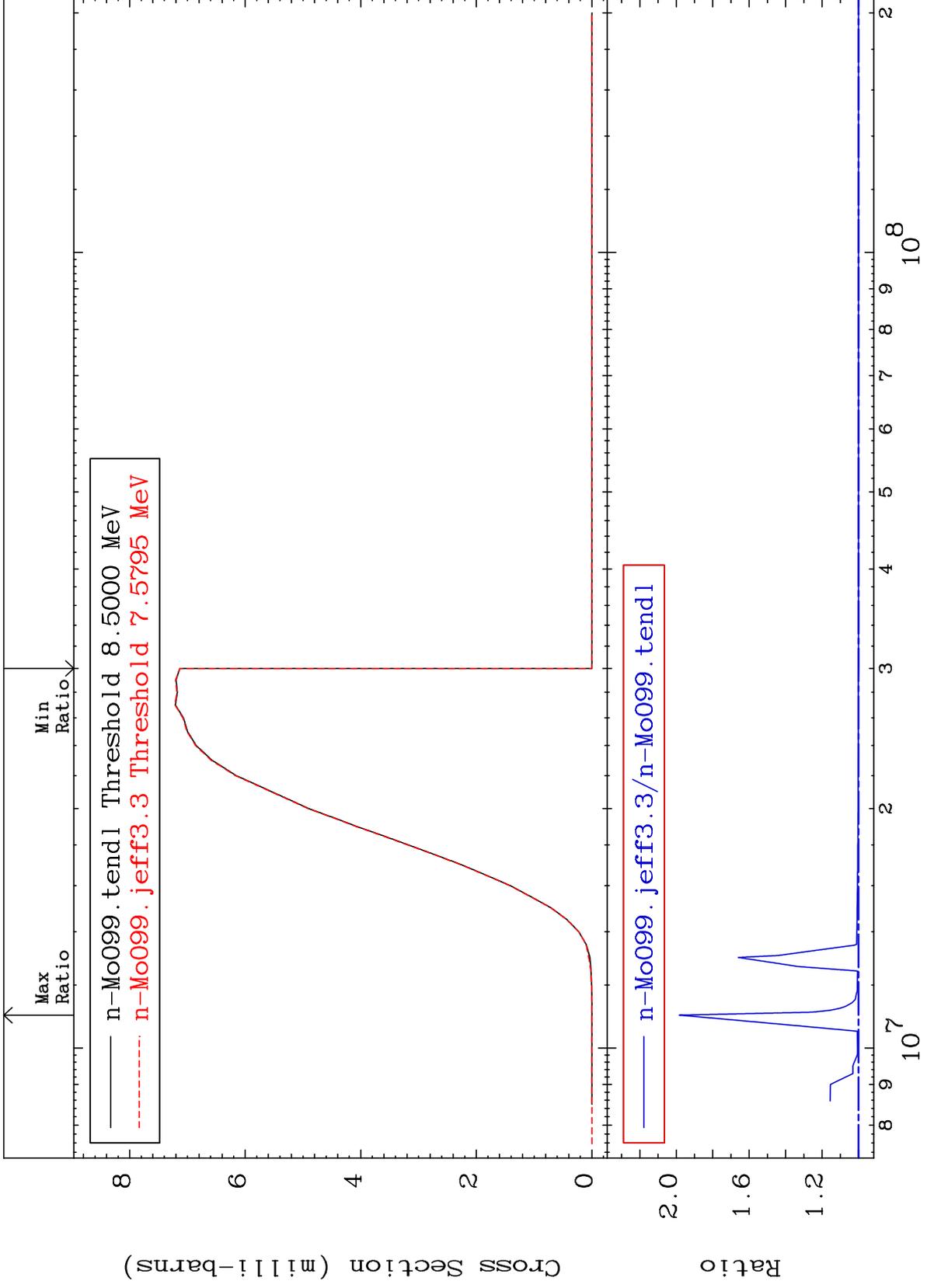


MAT 4246

(n, d): 41-Nb-98g

42-Mo-99

Radionuclide Production Cross Section 0.000 To 98.21 %



86

Incident Energy (eV)

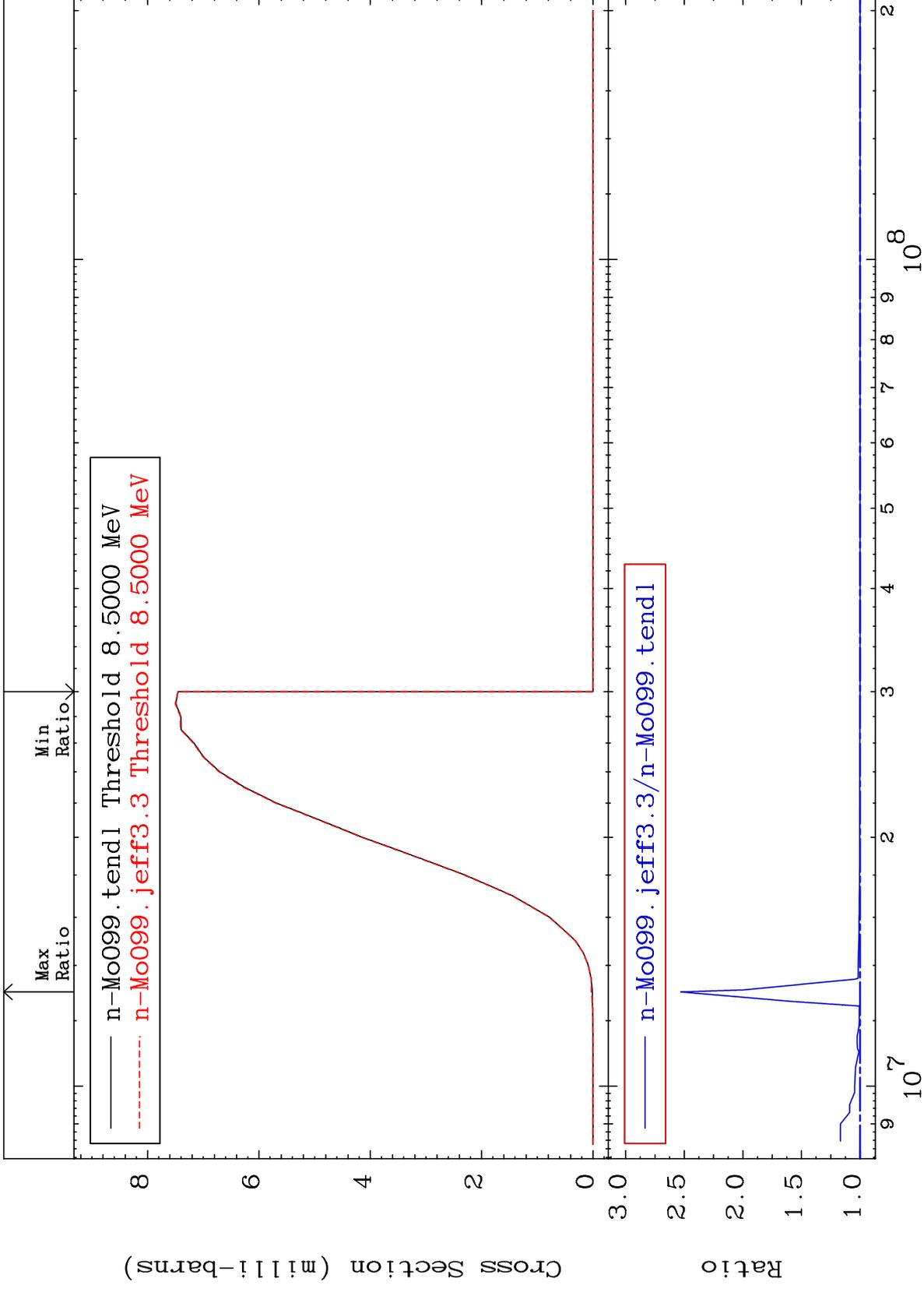
42-Mo-99

MAT 4246

(n, d) : 41-Nb-98m1

42-Mo-99

Radionuclide Production Cross Section -0.003 To 153.0 %

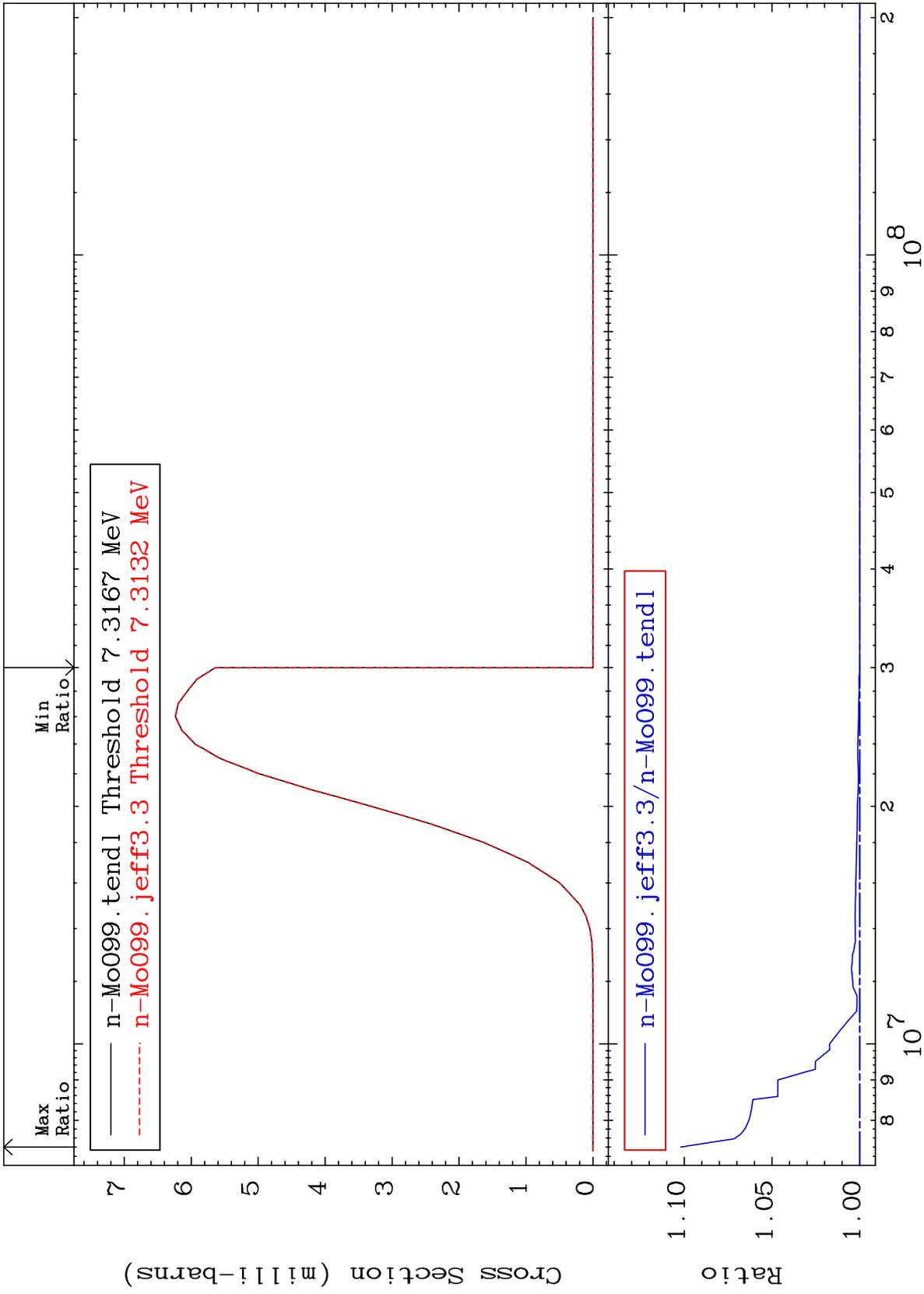


87

Incident Energy (eV)

42-Mo-99

Radionuclide Production Cross Section -0.021 To 10.20 %



Radionuclide Production Cross Section -0.012 To 0.444 %

