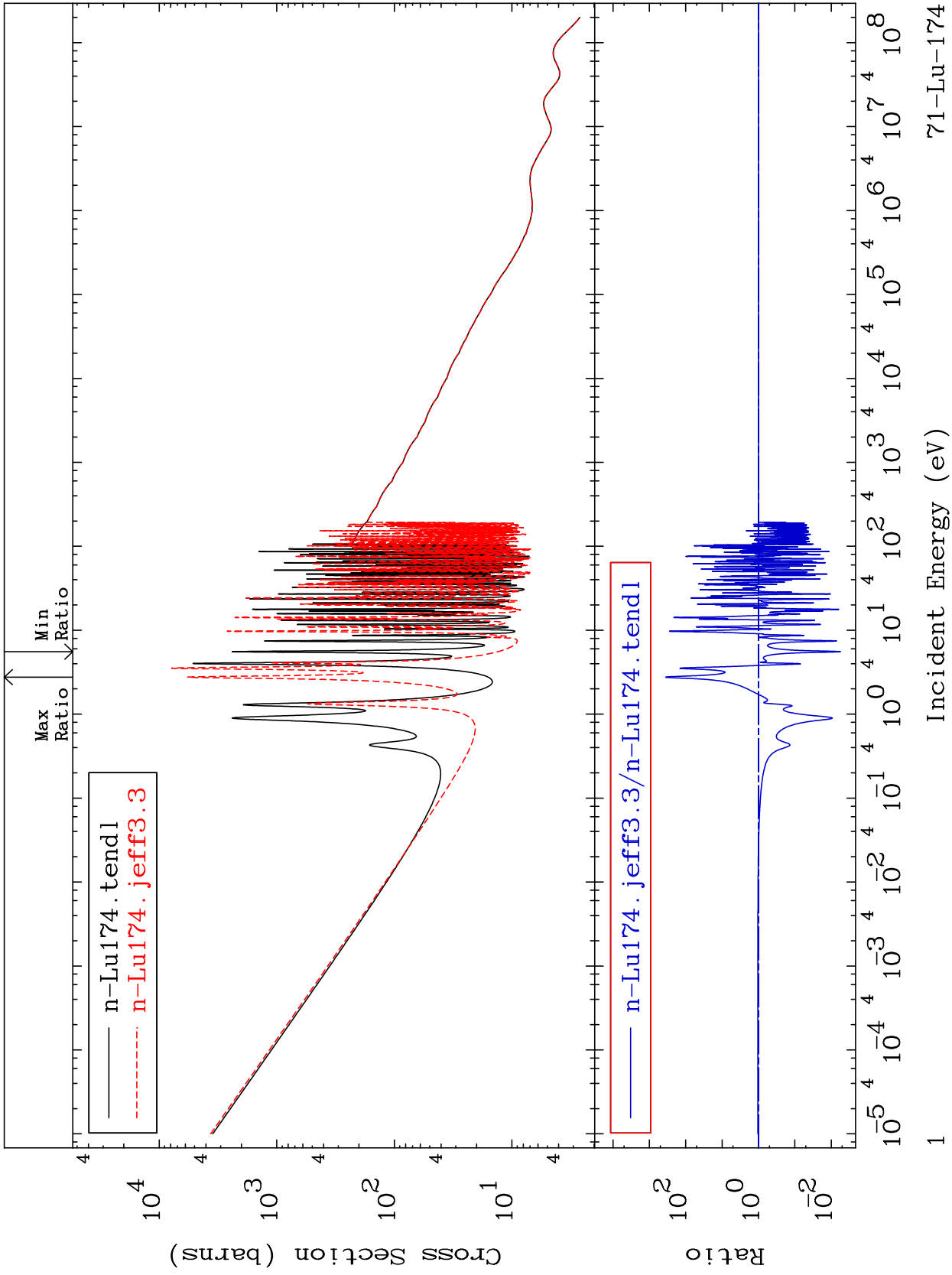


MAT 7122

Total
Cross Section

71-Lu-174
-99.45 To 9999. %



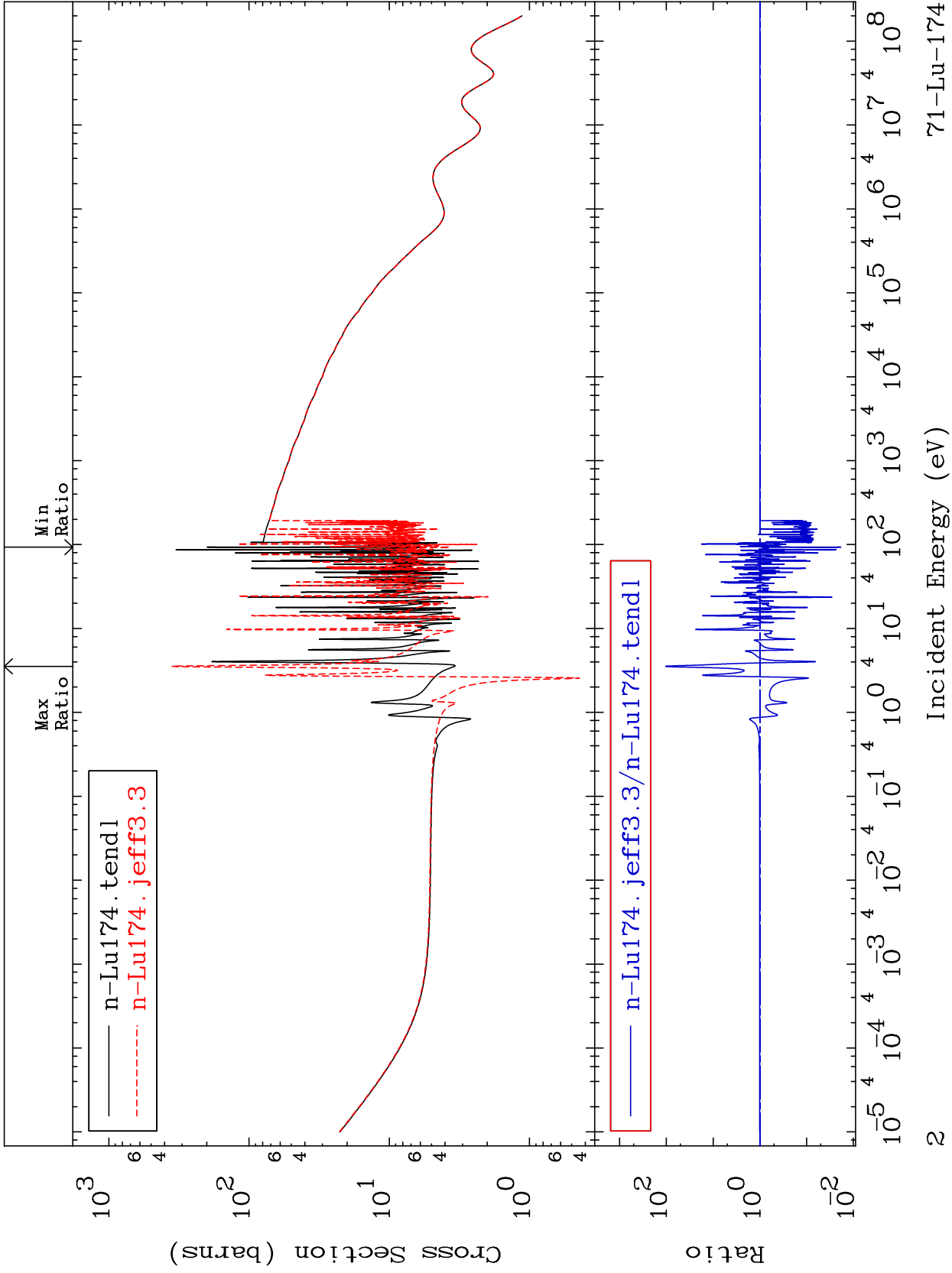
Incident Energy (eV)

71-Lu-174

MAT 7122

Elastic Cross Section

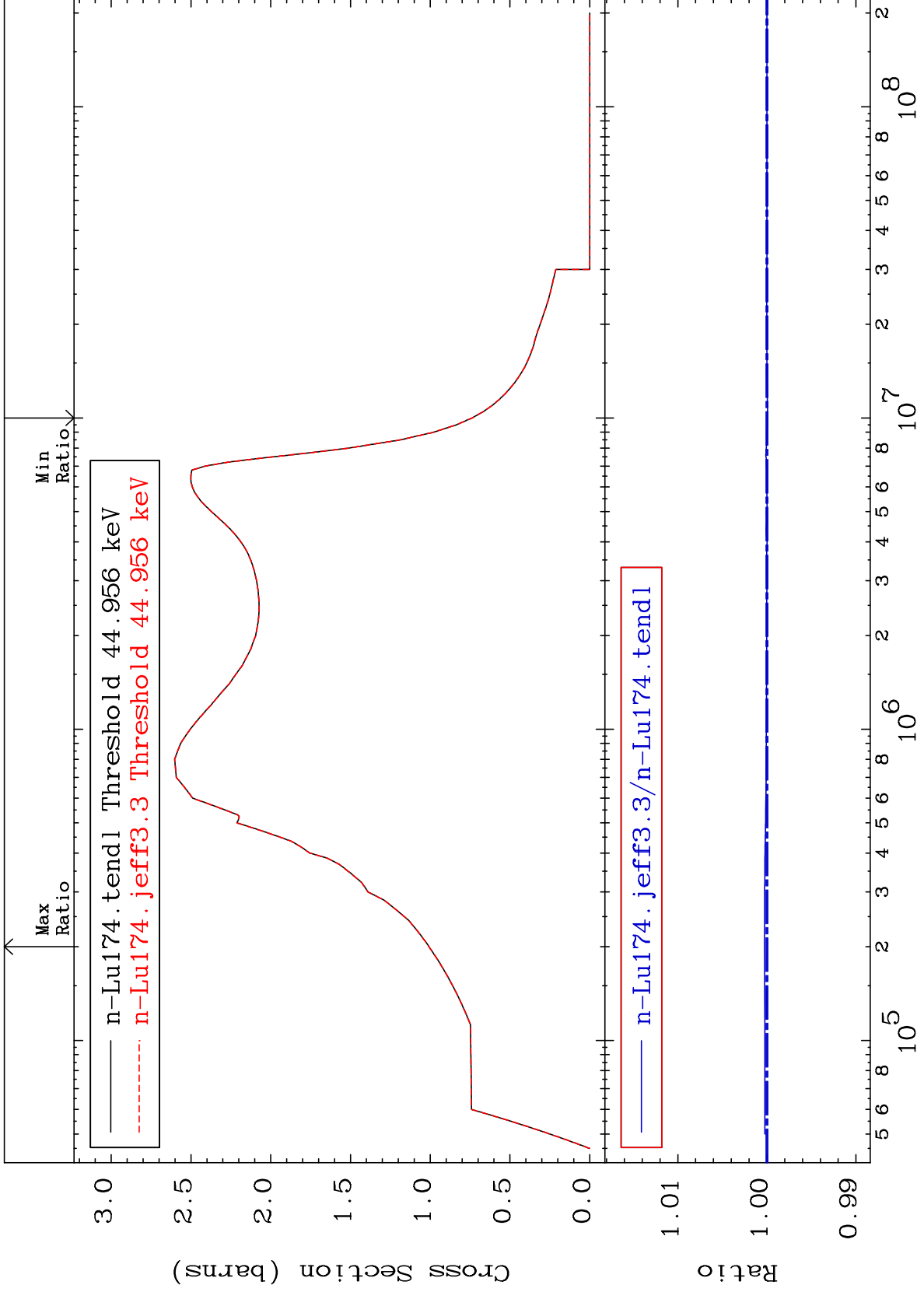
71-Lu-174
-98.13 To 9999. %

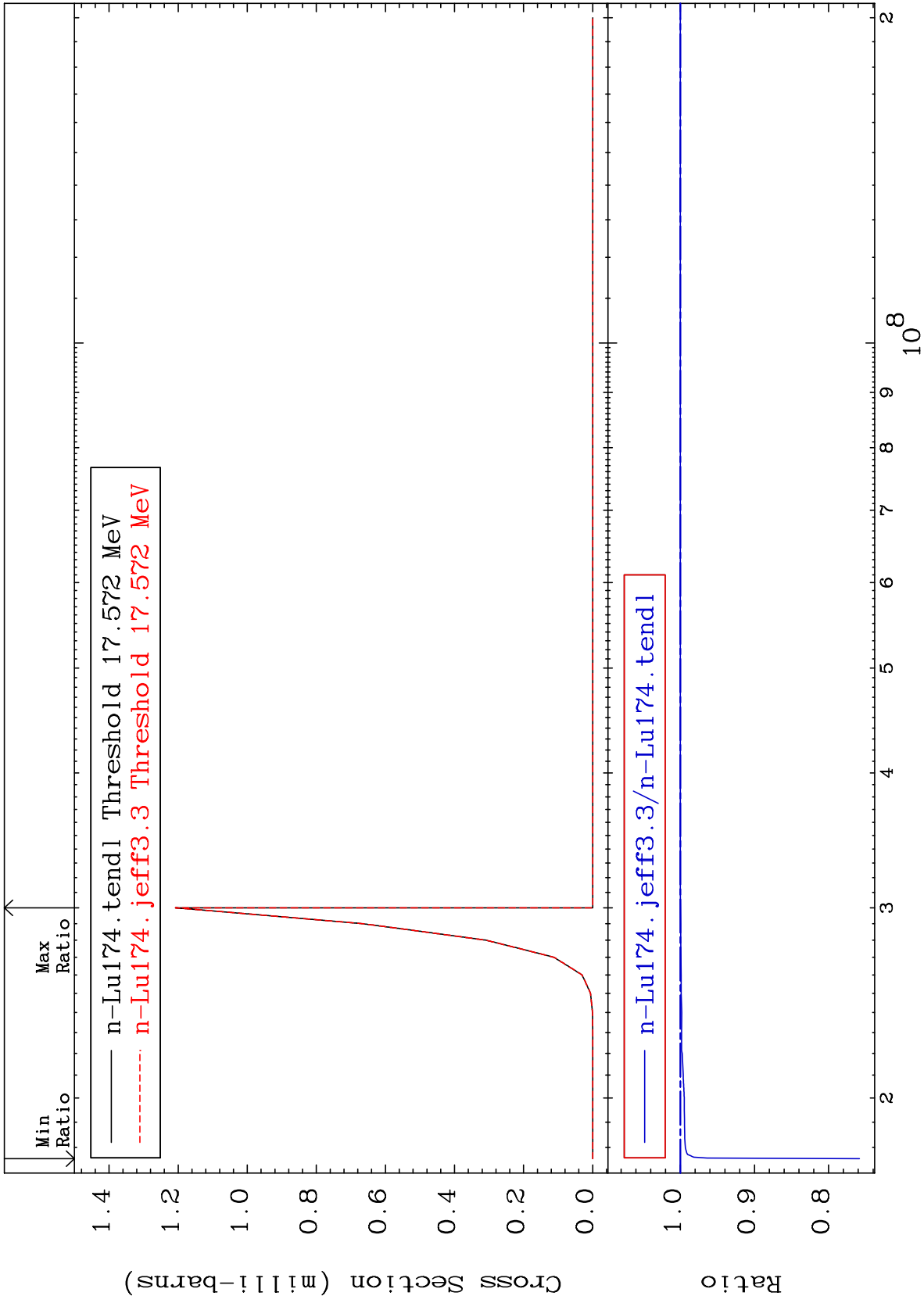


MAT 7122

Inelastic
Cross Section

71-Lu-174
-0.007 To 0.027 %





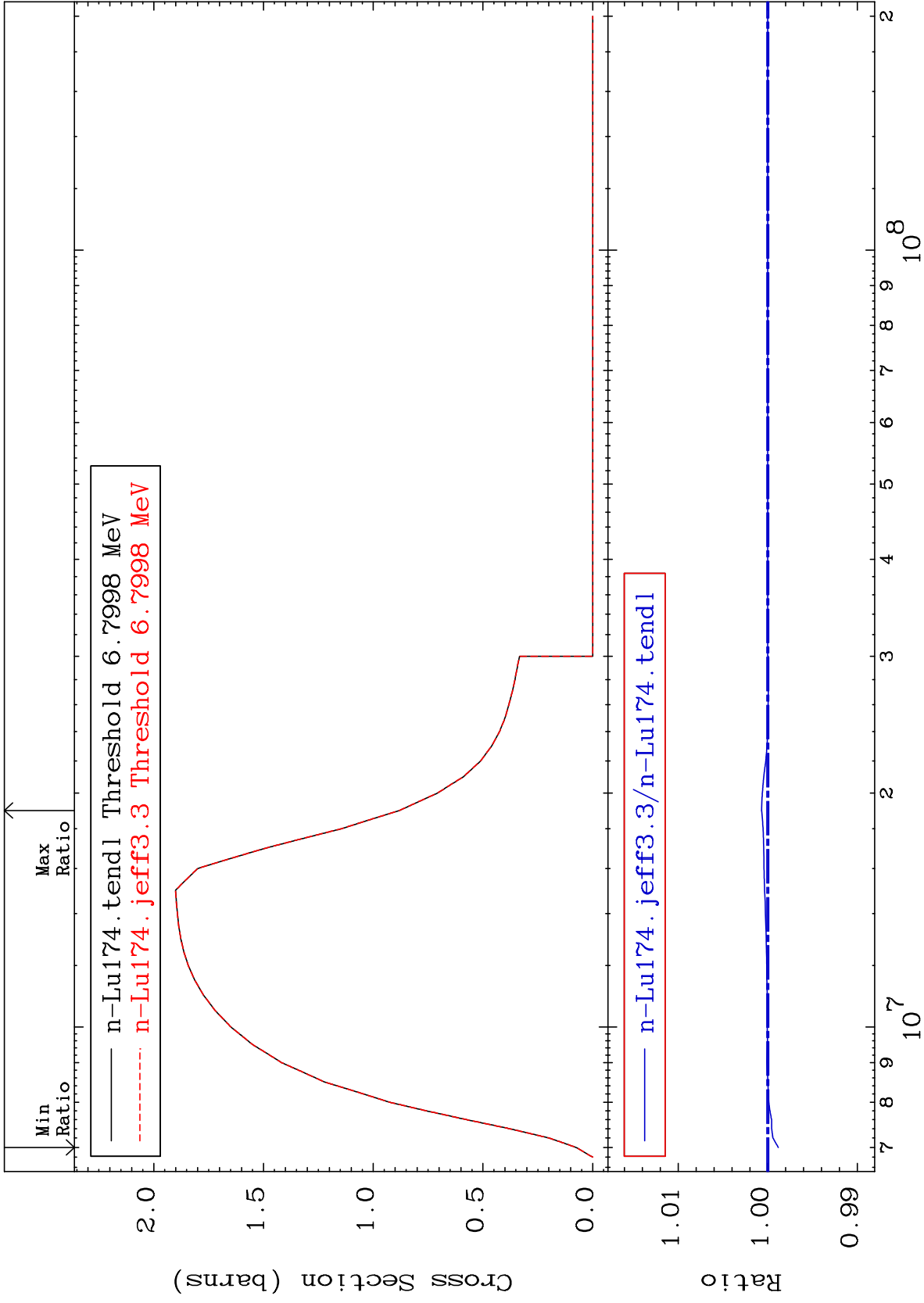
MAT 7122

(n,2n)

71-Lu-174

Cross Section

-0.117 To 0.069 %



5

Incident Energy (eV)

71-Lu-174

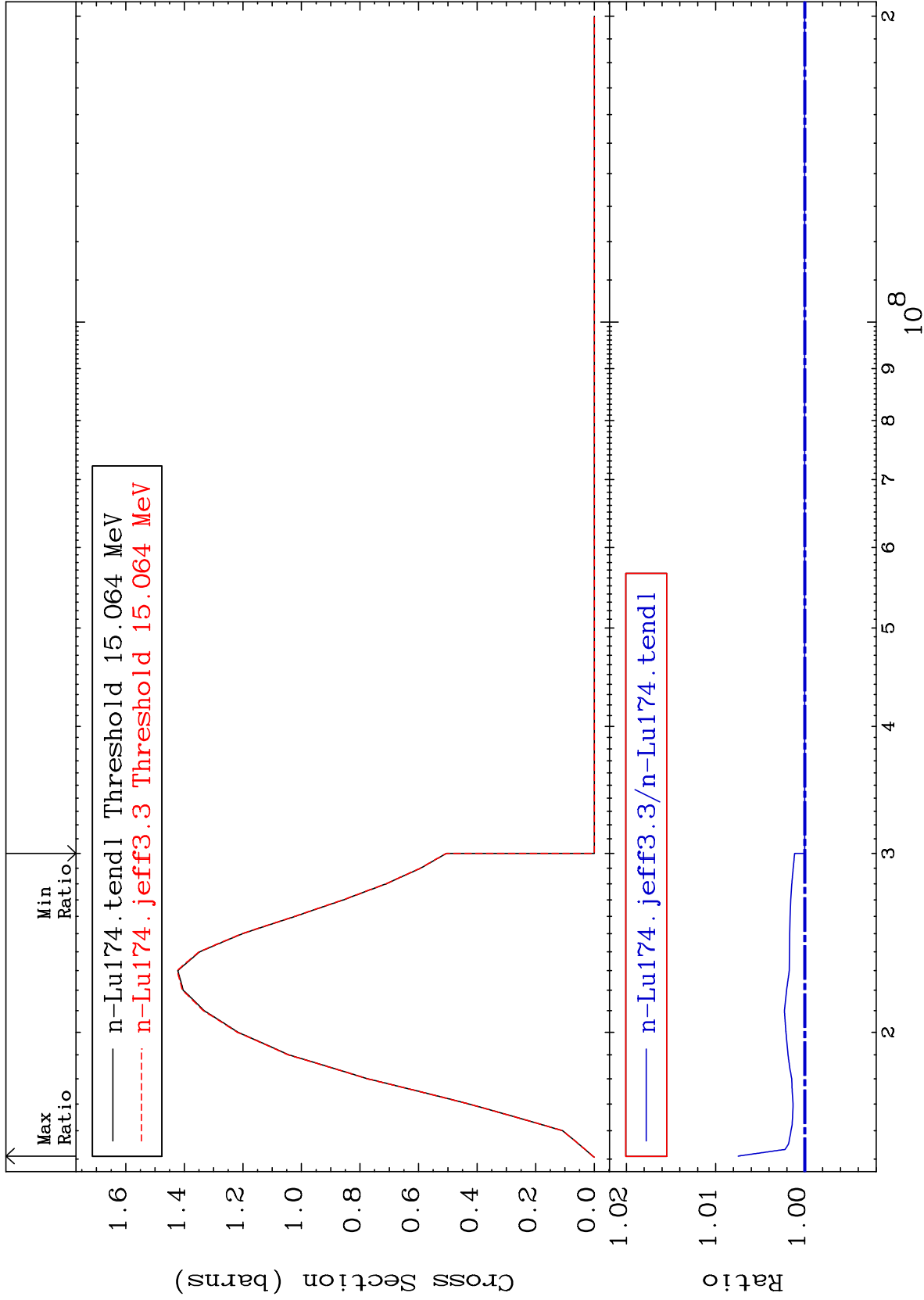
MAT 7122

(n,3n)

71-Lu-174

Cross Section

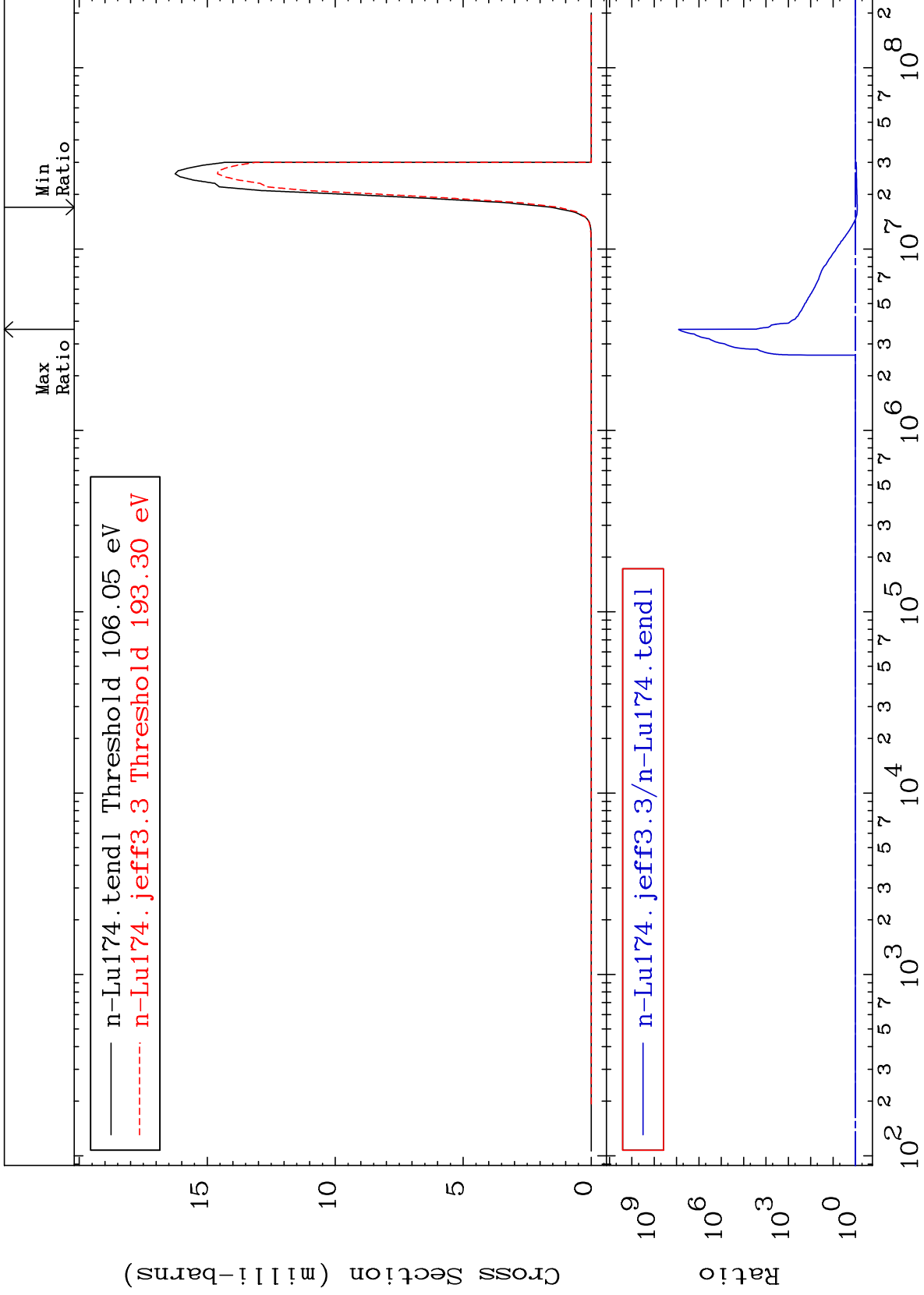
0.000 To 0.747 %



MAT 7122

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

71-Lu-174
-17.41 To 9999. %



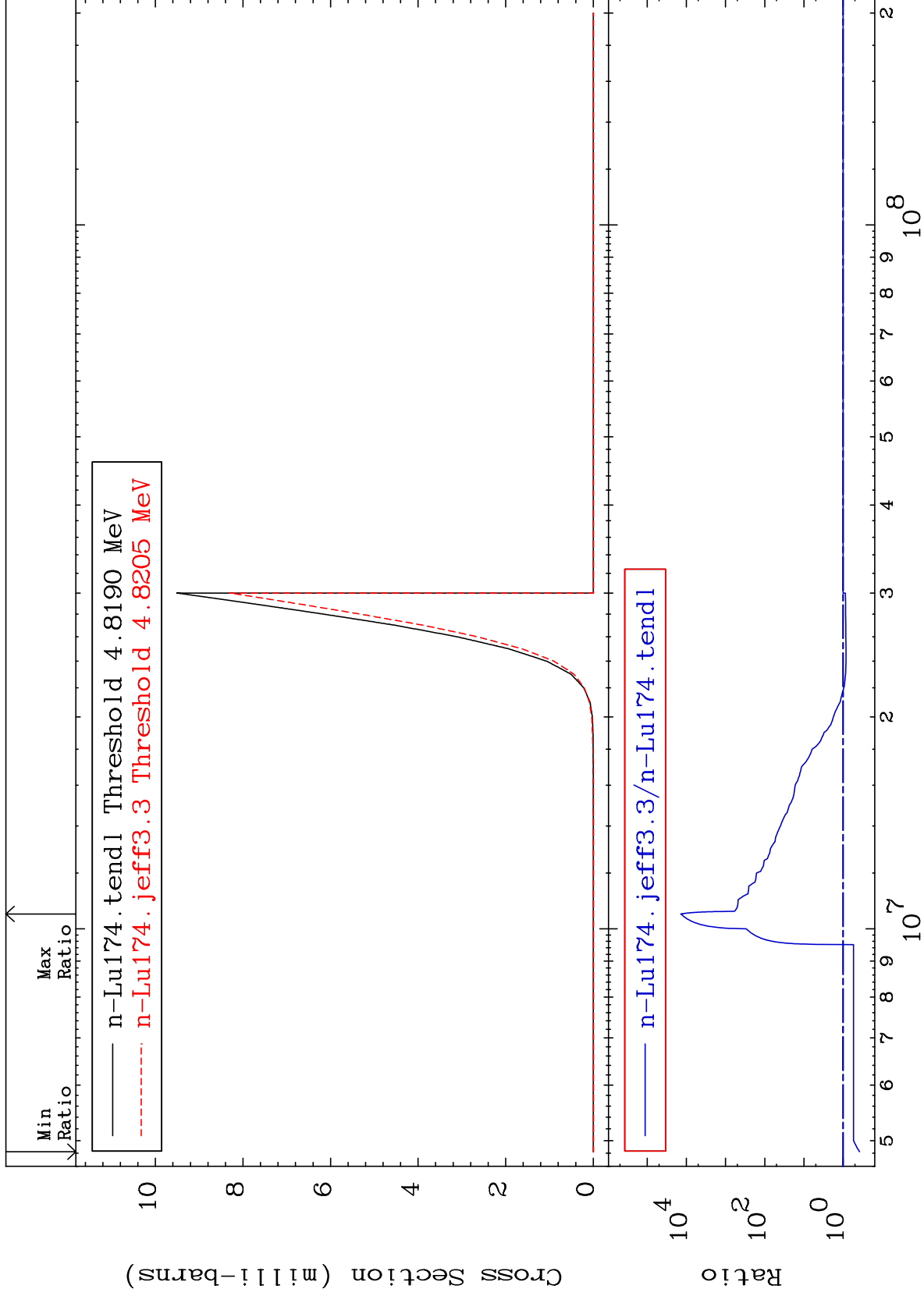
71-Lu-174

7

MAT 7122

(n,2n) α
Cross Section

⁷¹Lu-174
-61.93 To 9999. %



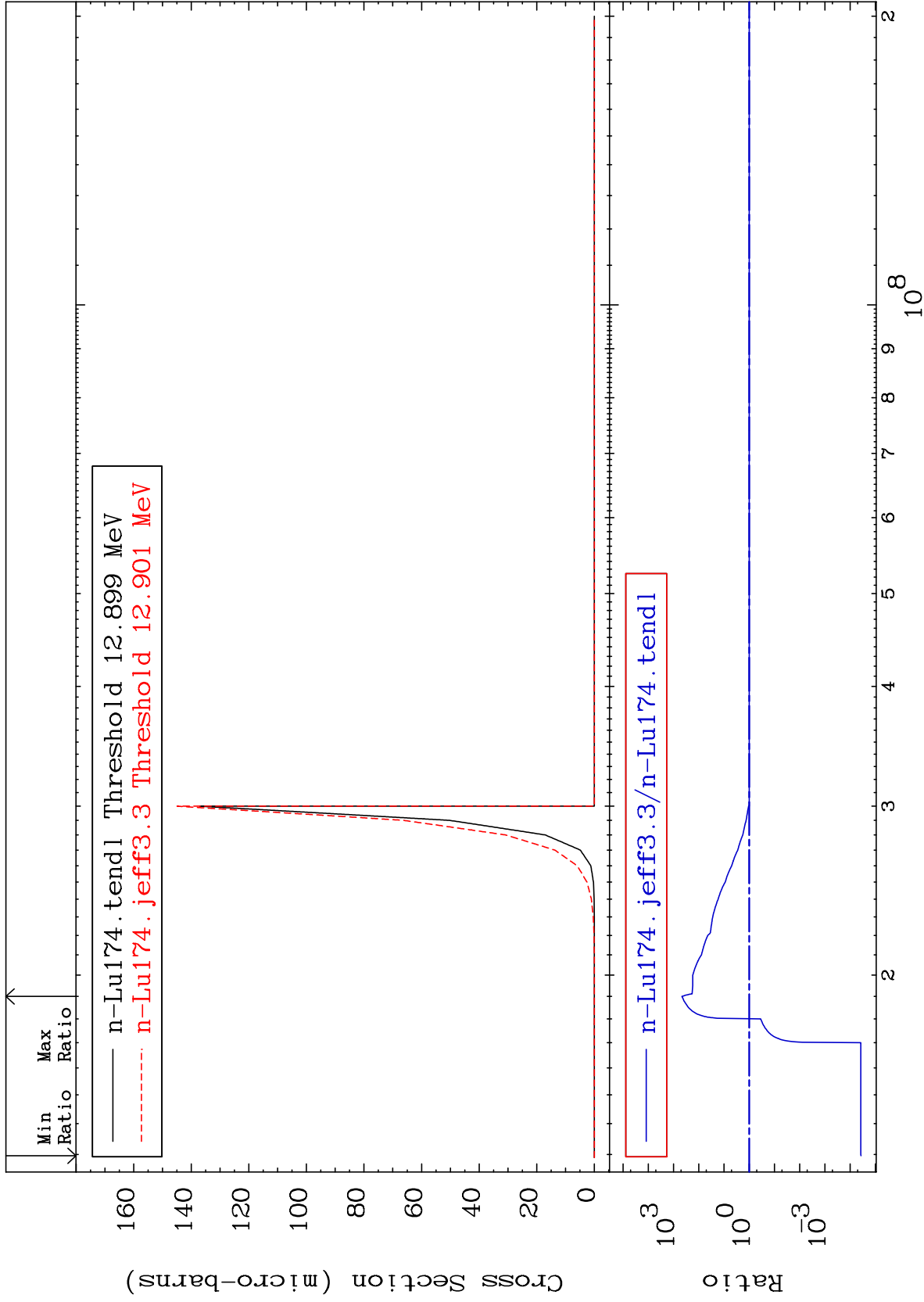
MAT 7122

(n,3n) α

71-Lu-174

Cross Section

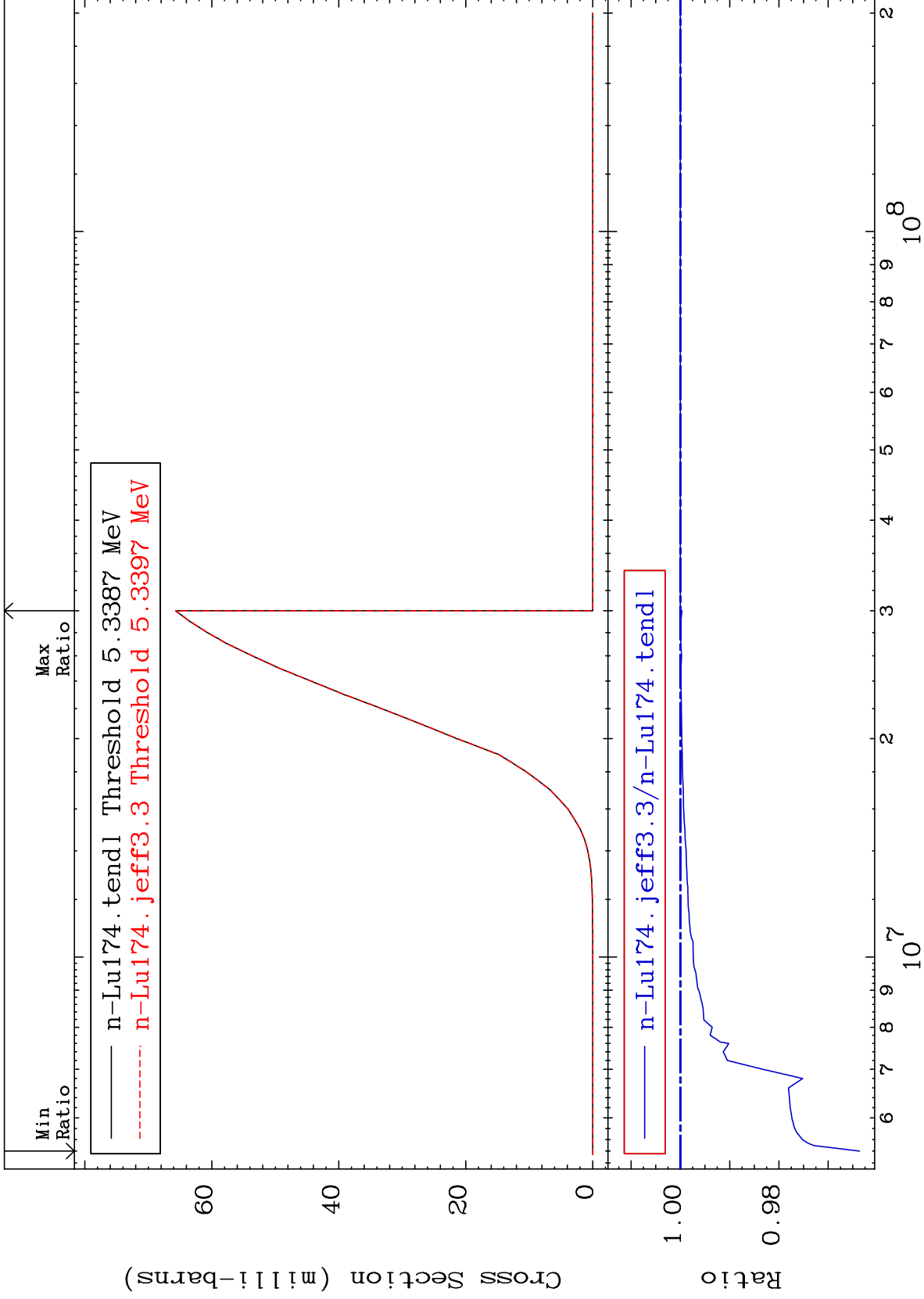
-100.0 To 9999. %



MAT 7122

(n, n') p
Cross Section

71-Lu-174
-3.634 To 0.000 %



10

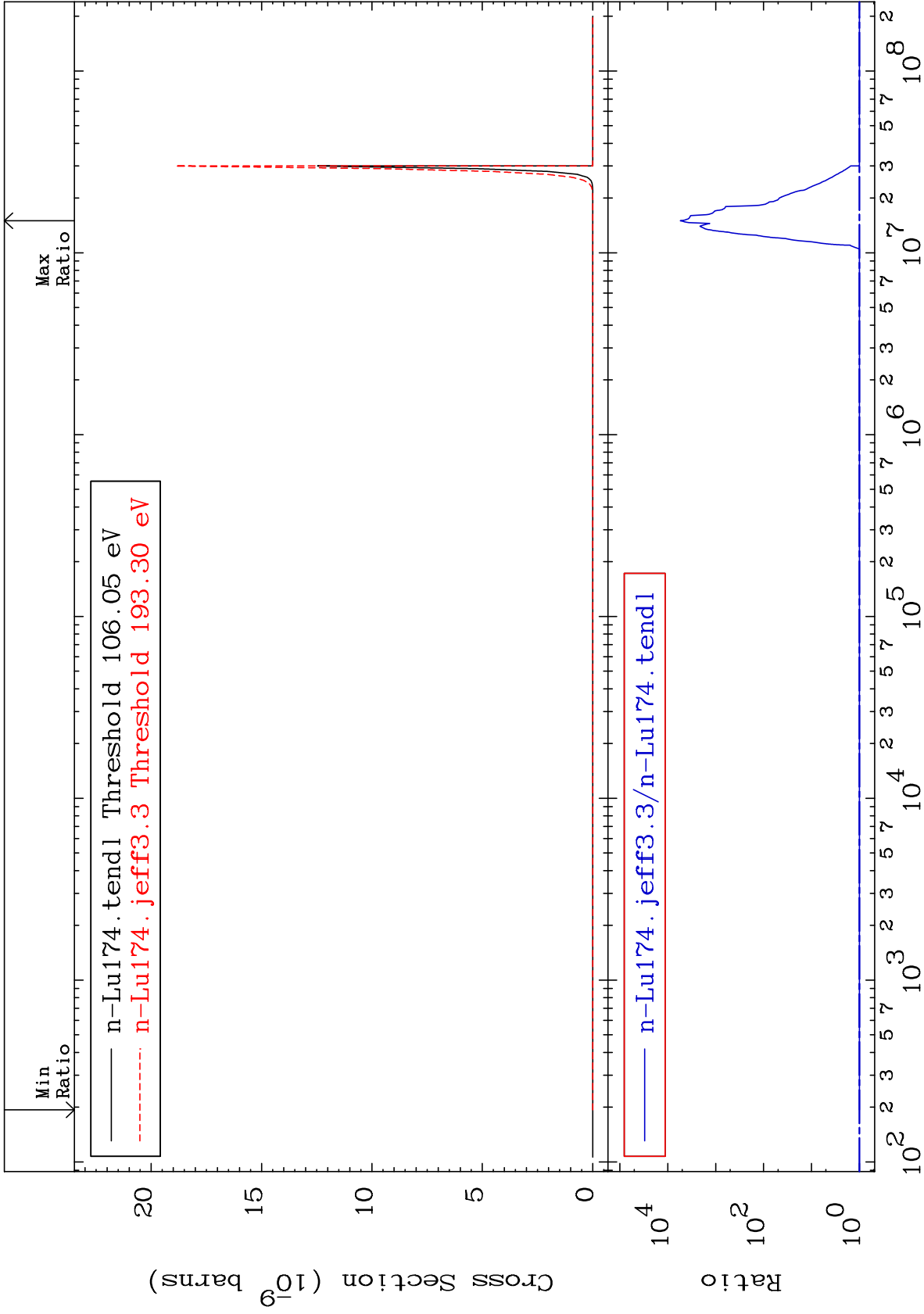
Incident Energy (eV)

71-Lu-174

MAT 7122

(n, n') 2 α
Cross Section

71-Lu-174
To 9999. %



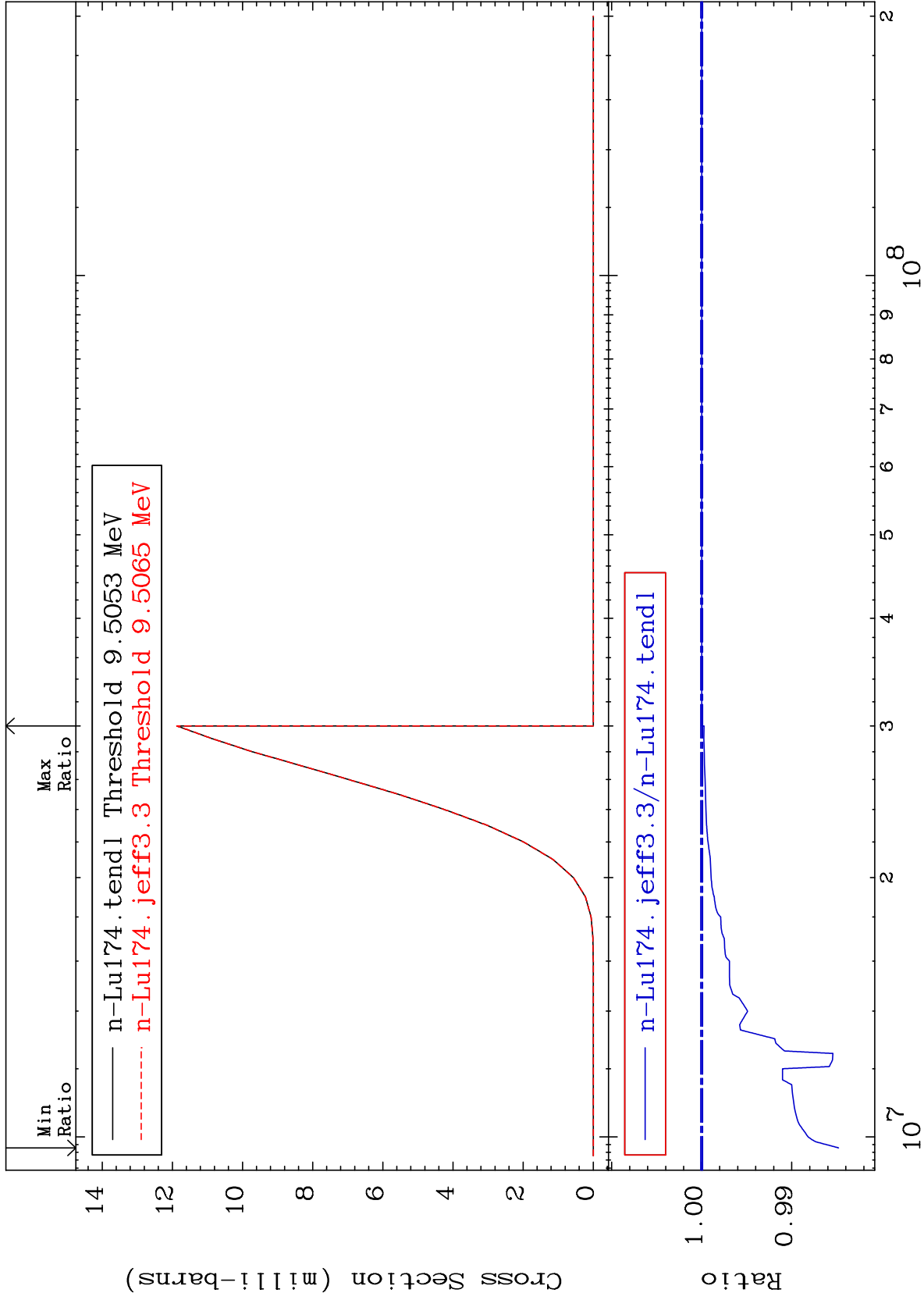
MAT 7122

(n,n') d

71-Lu-174

Cross Section

-1.520 To 0.000 %



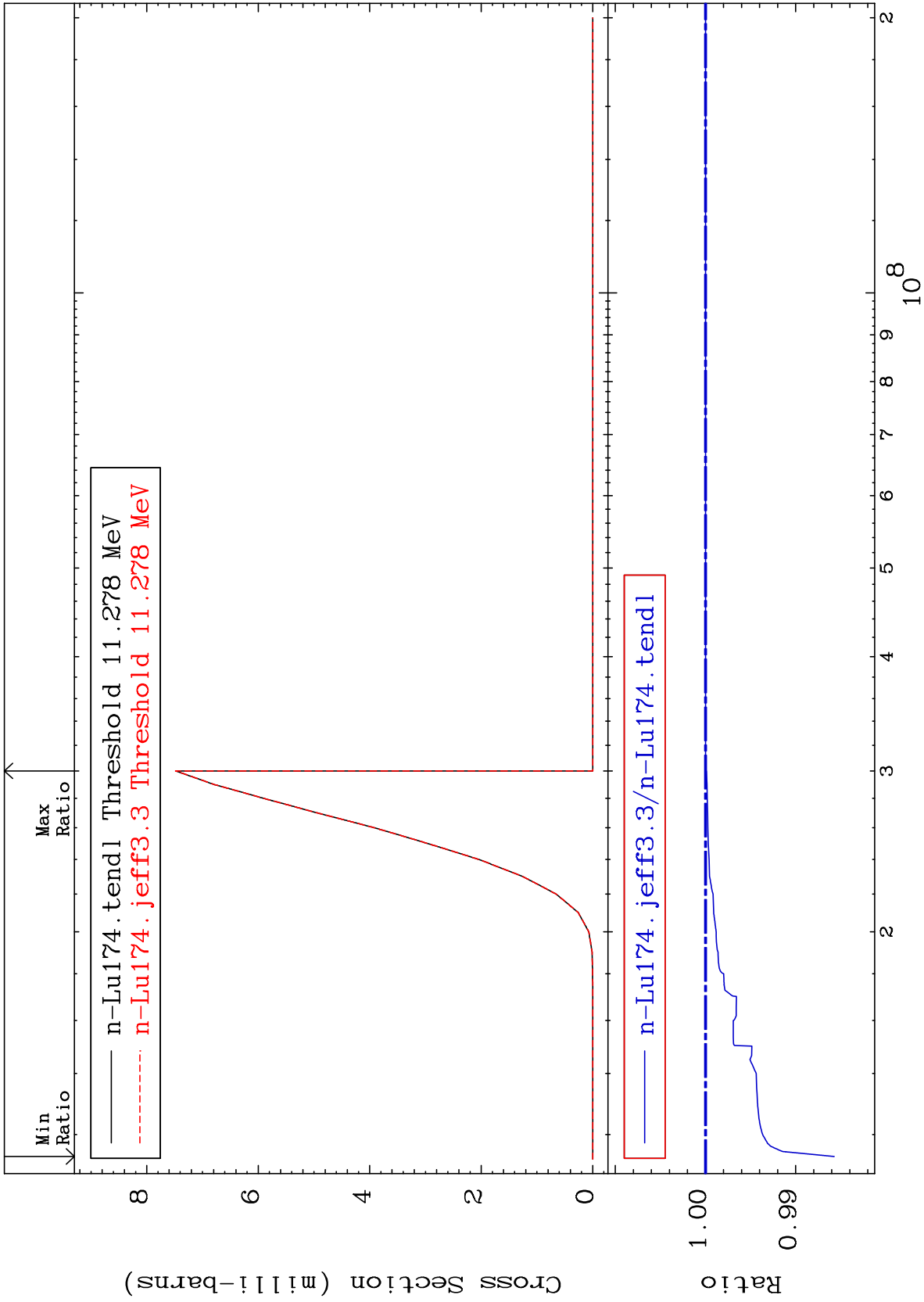
12

71-Lu-174

71-Lu-174

Cross Section

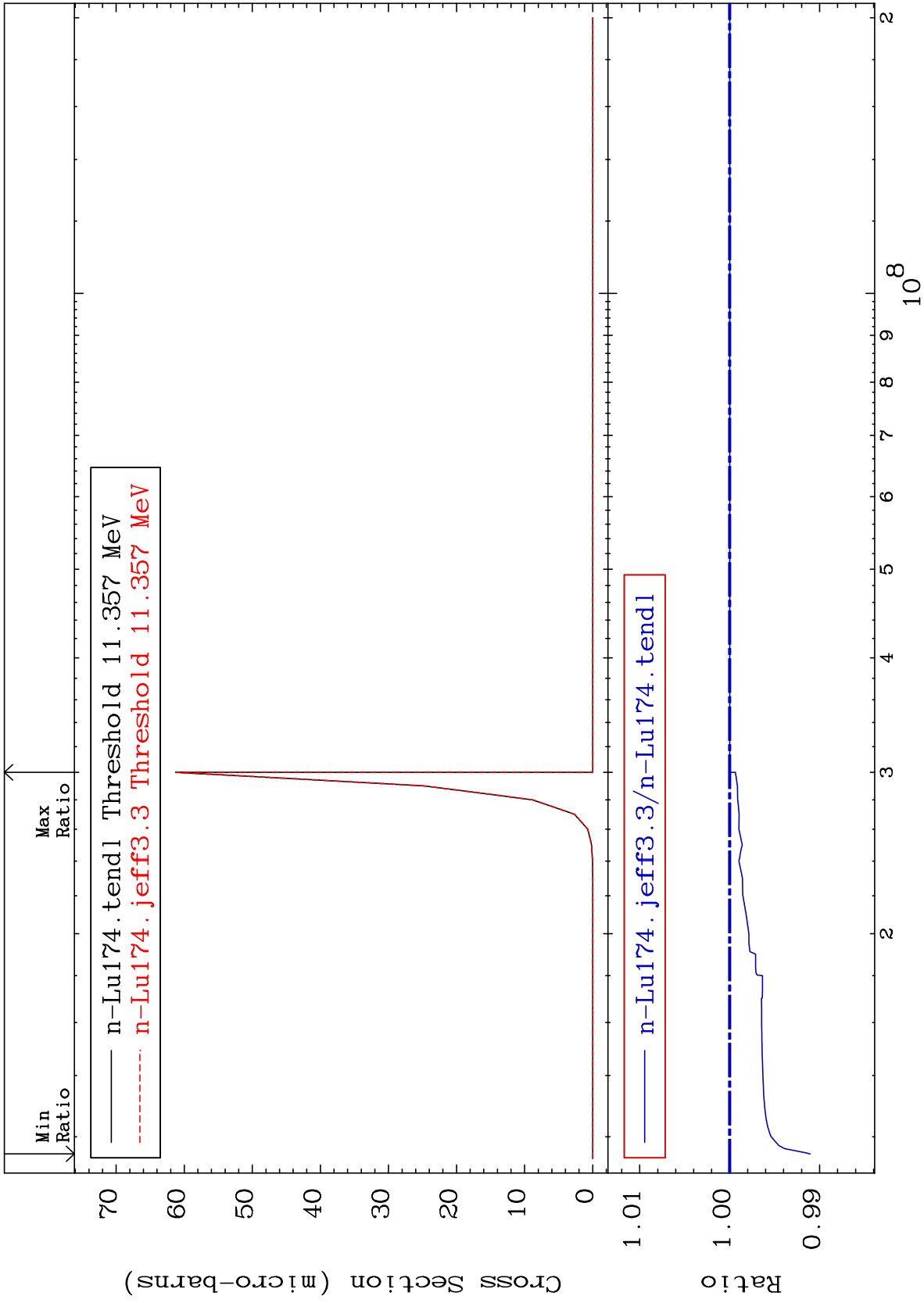
-1.427 To 0.000 %



MAT 7122

(n, n') He-3
Cross Section

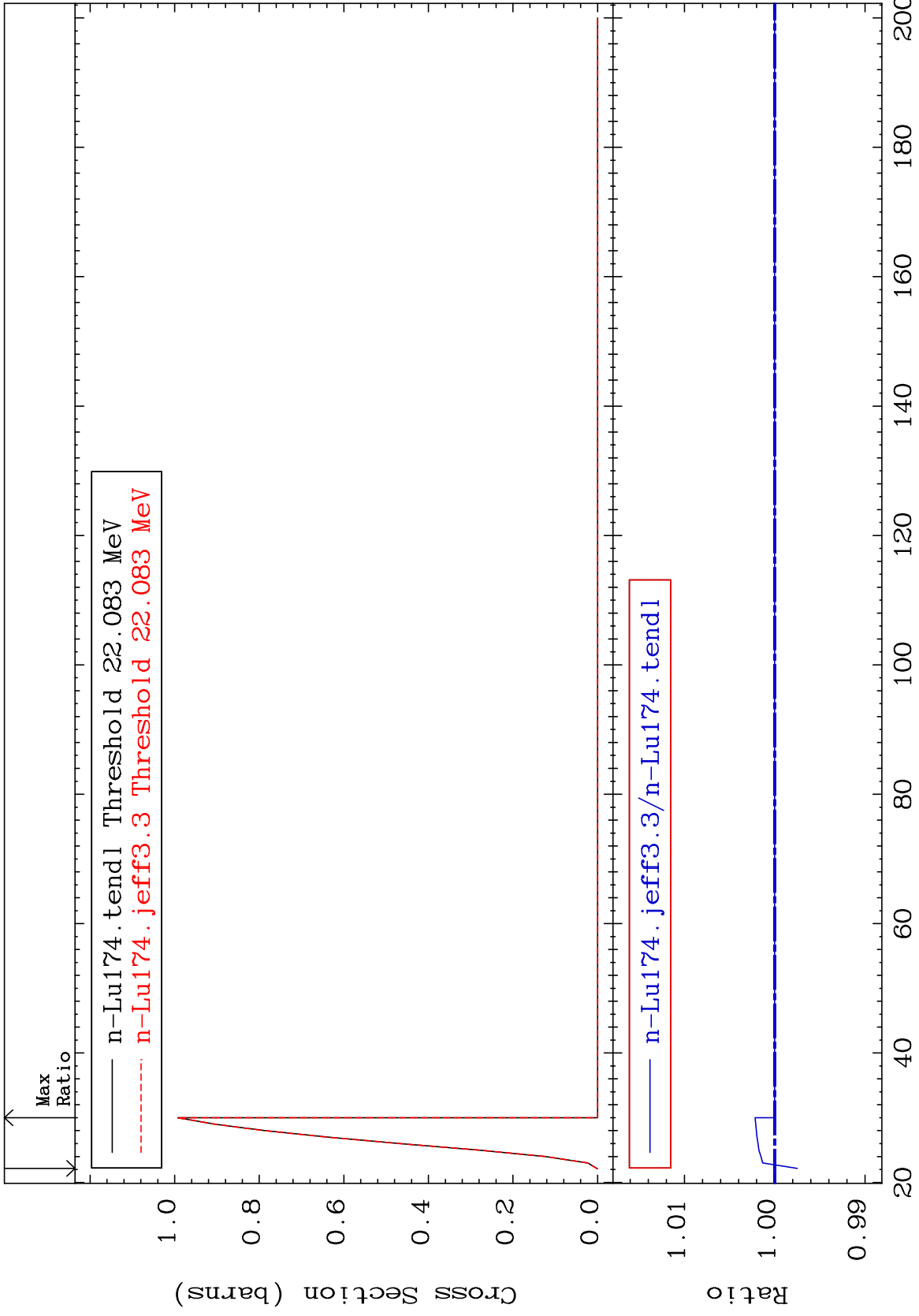
71-Lu-174
-0.895 To 0.000 %

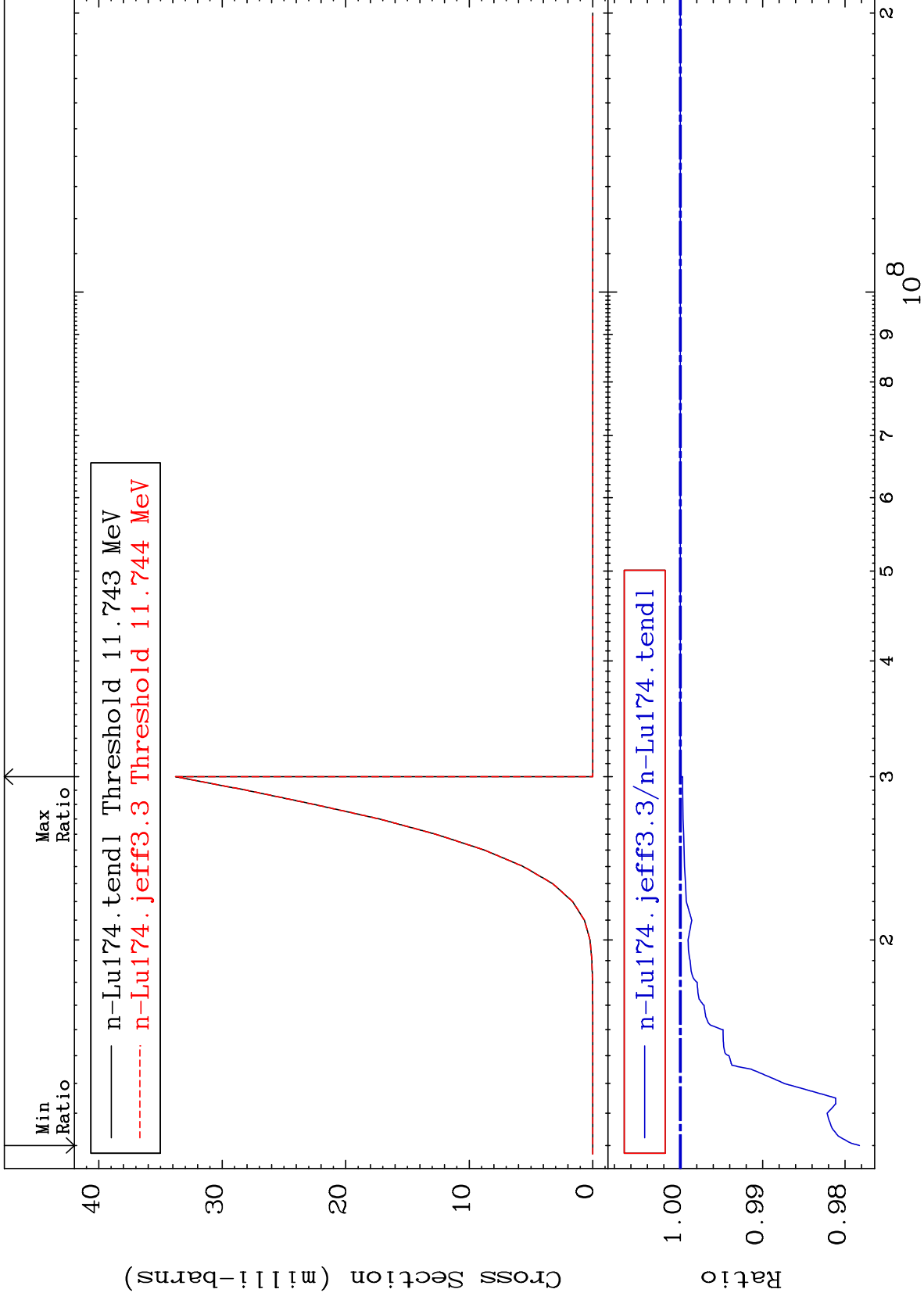


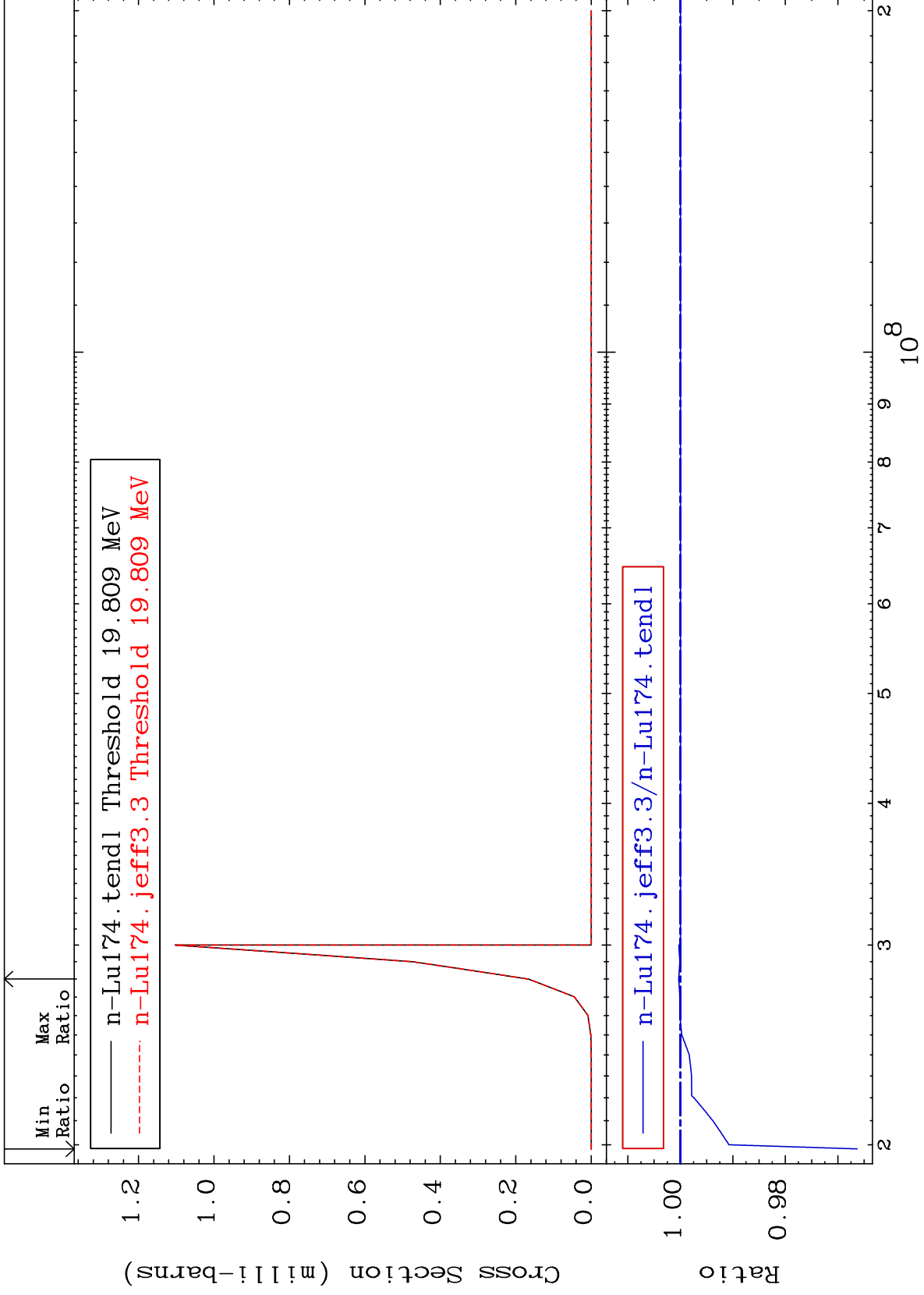
MAT 7122

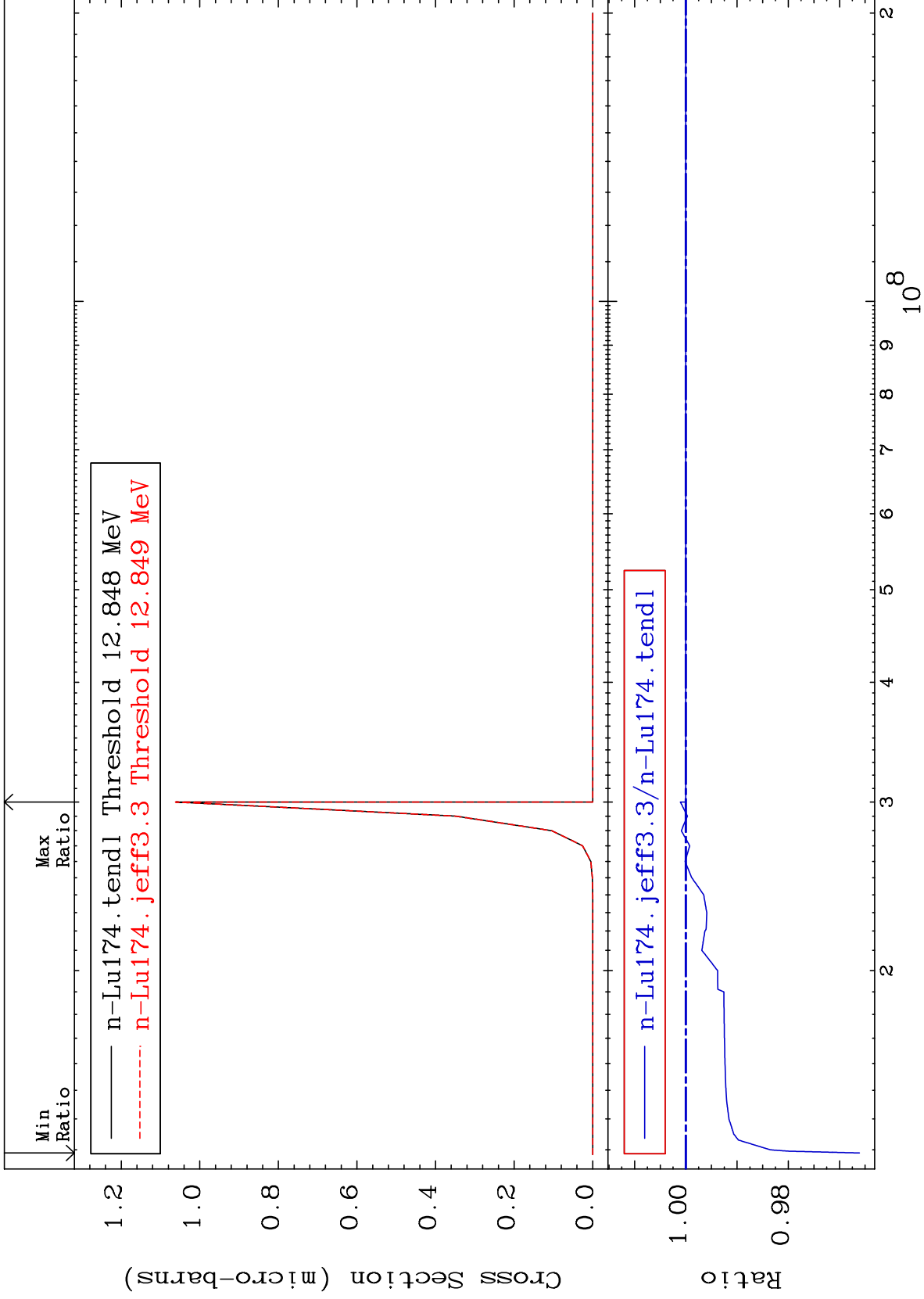
(n,4n)
Cross Section

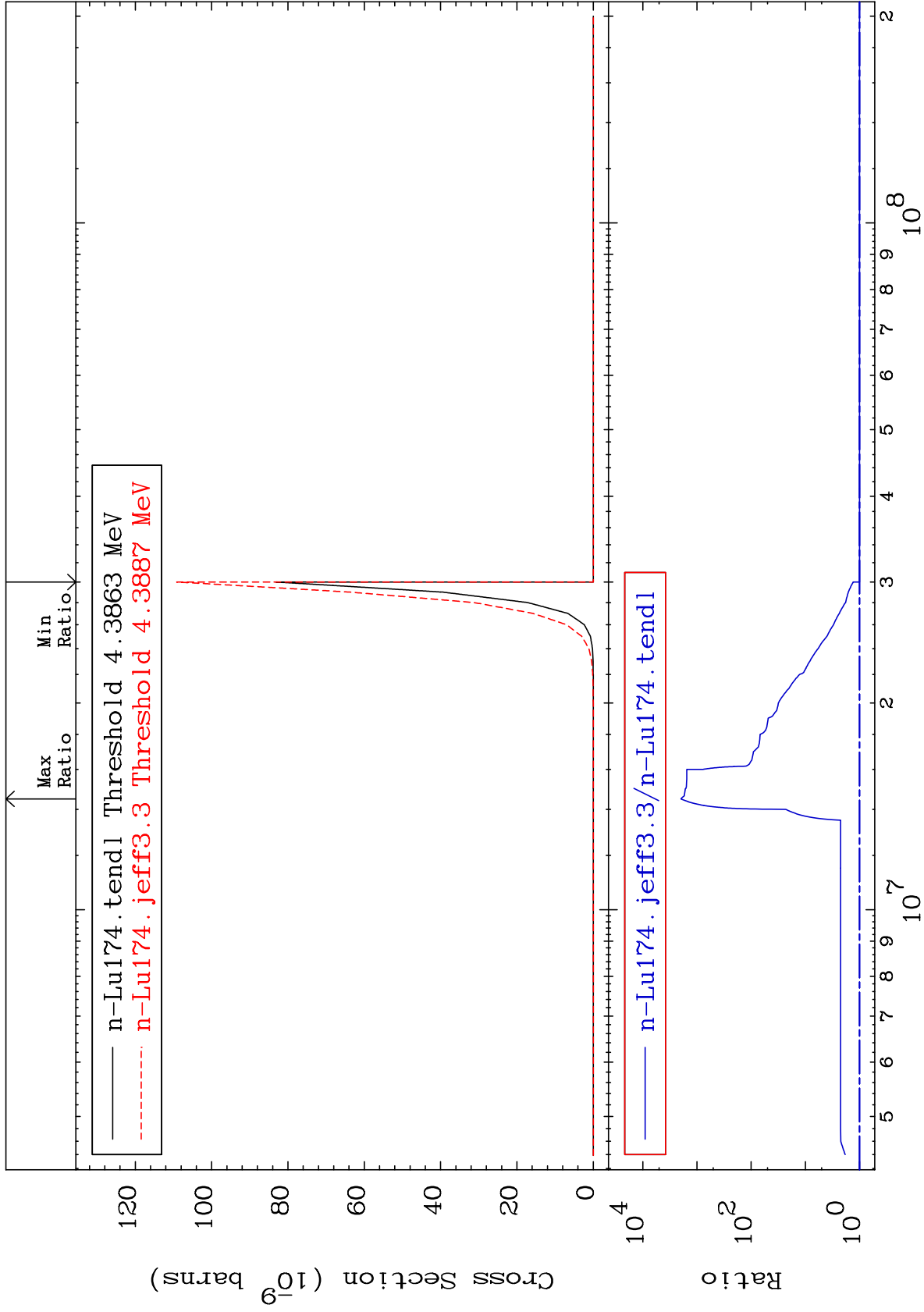
71-Lu-174
-0.251 To 0.217 %







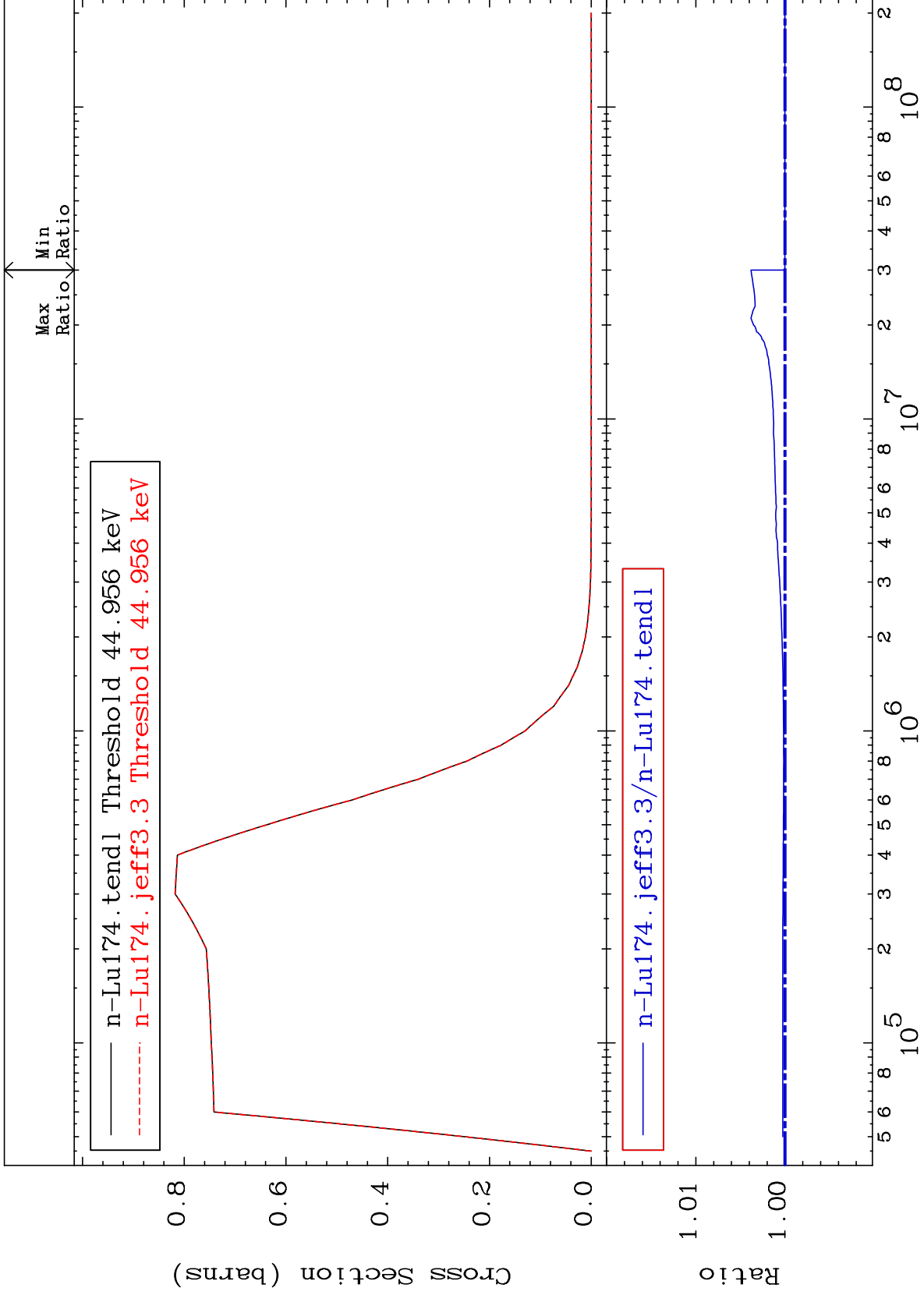




MAT 7122

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

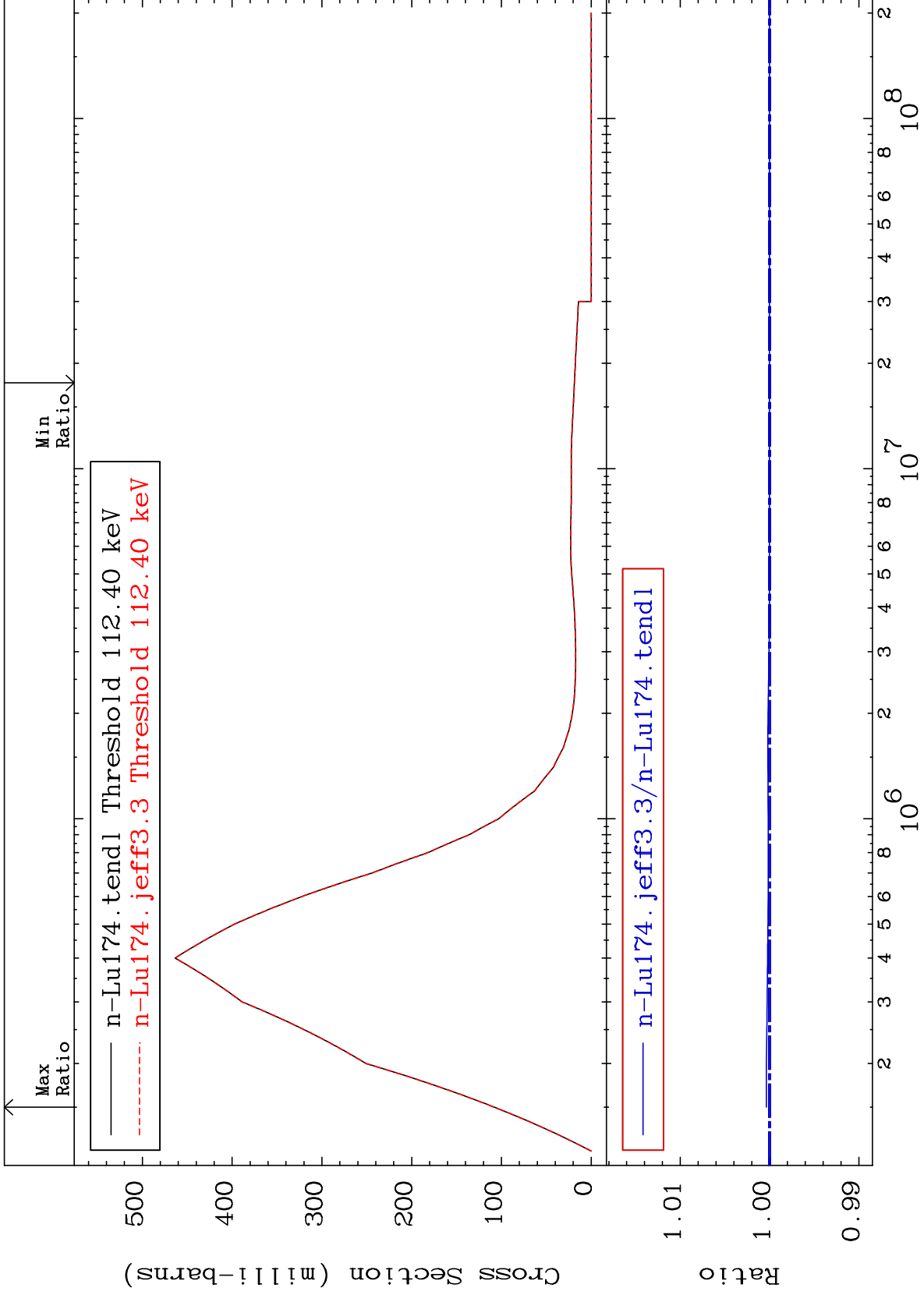
71-Lu-174
0.000 To 0.382 %



MAT 7122

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

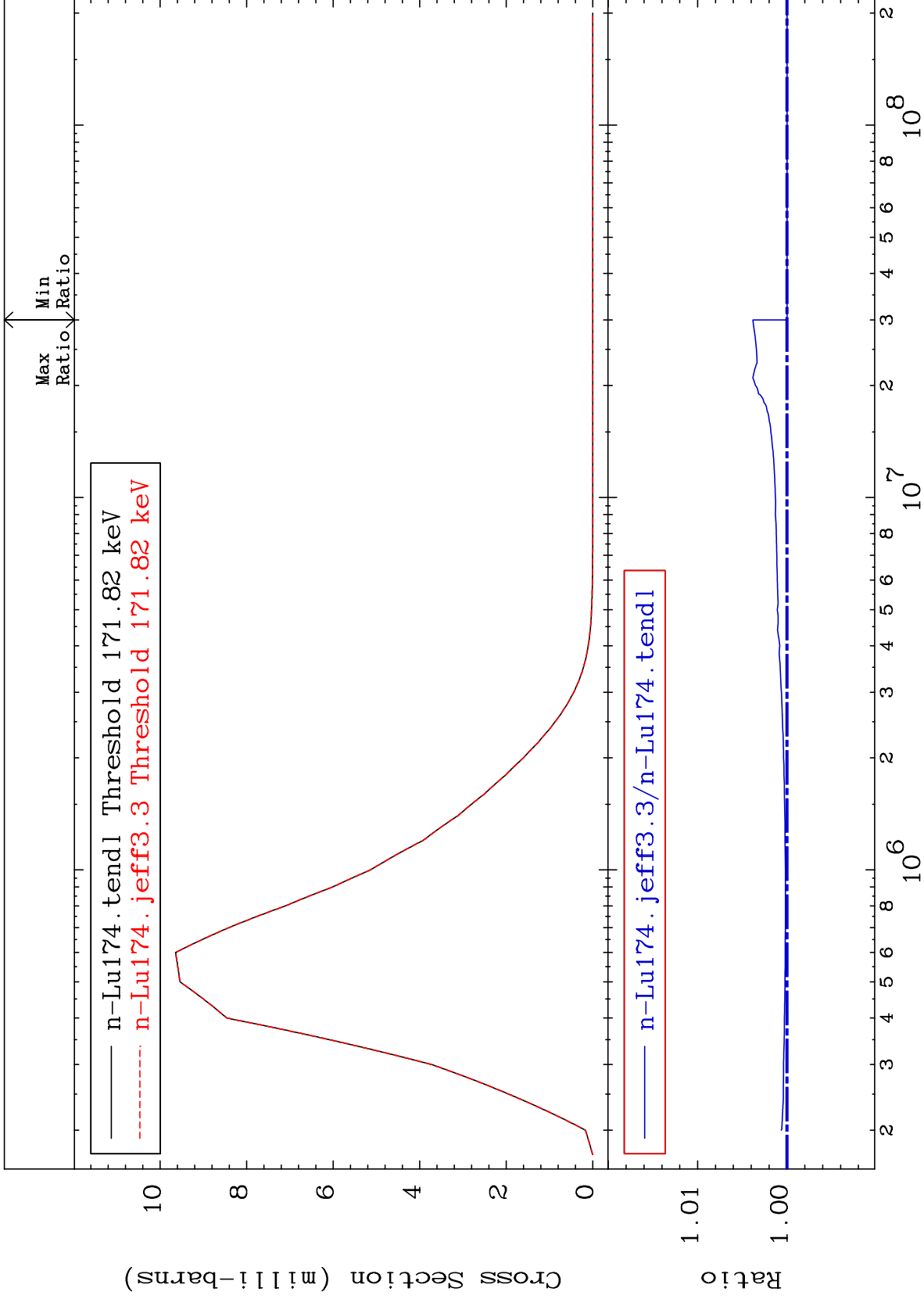
71-Lu-174
0.000 To 0.036 %



MAT 7122

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

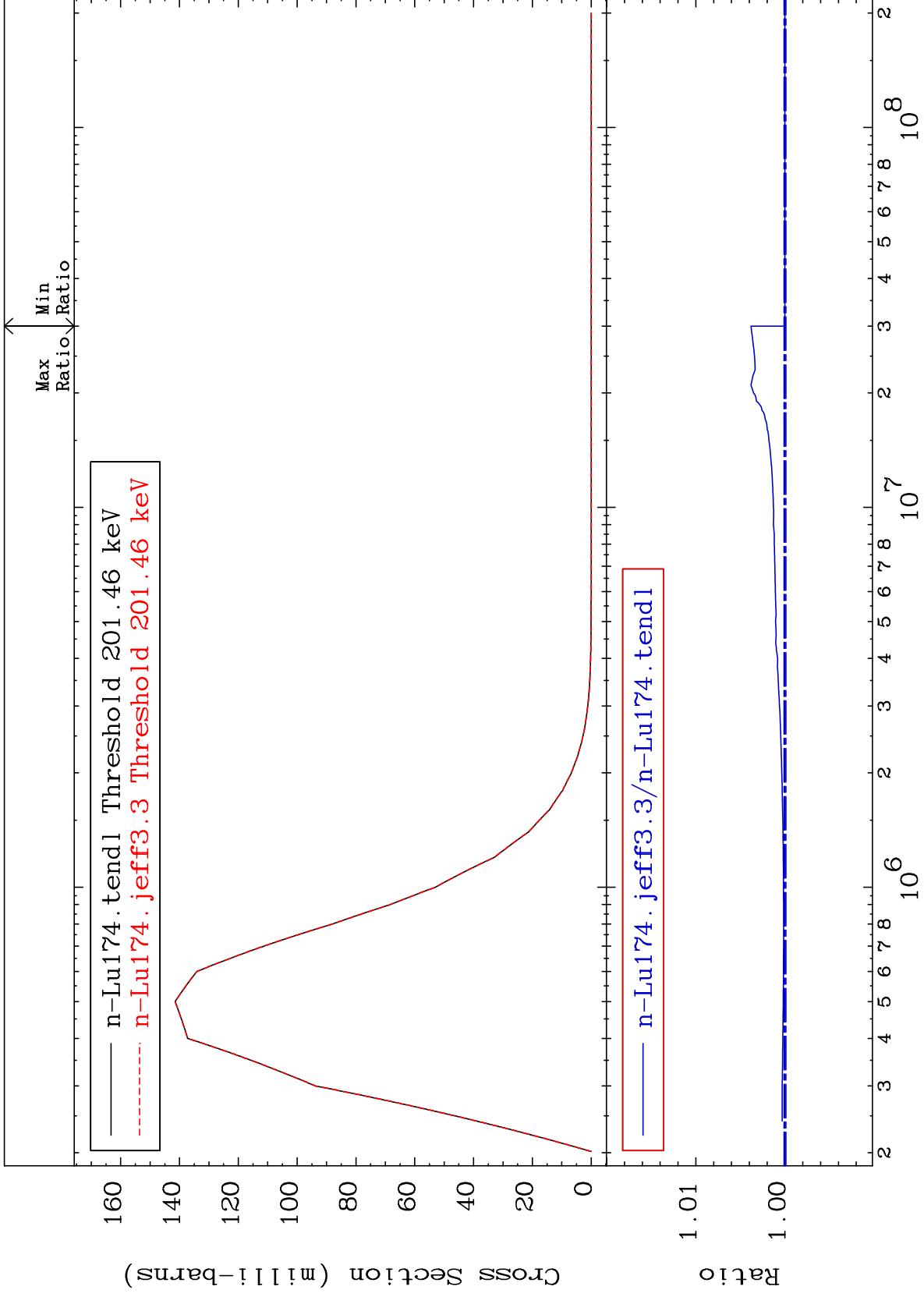
71-Lu-174
0.000 To 0.382 %



MAT 7122

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

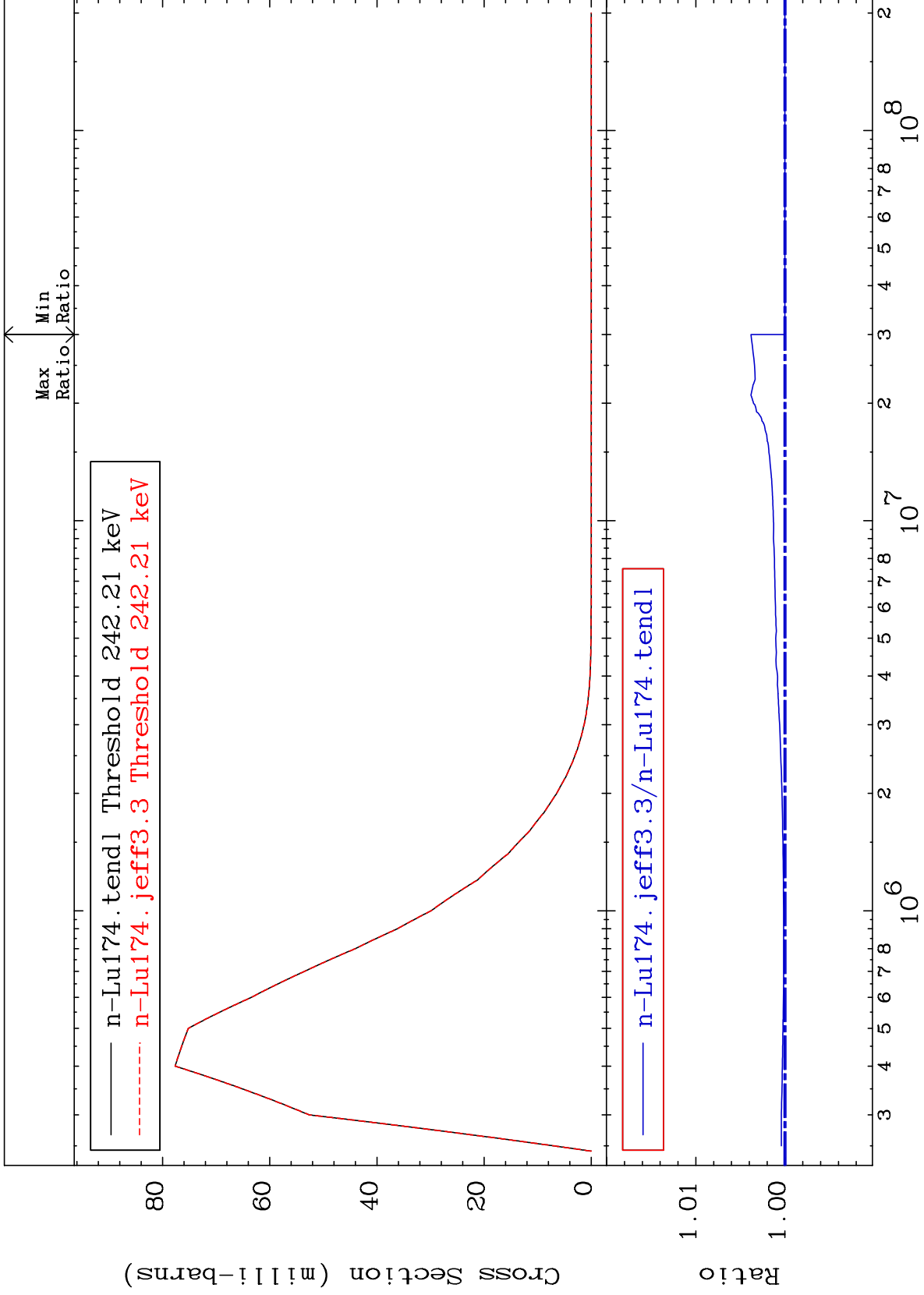
71-Lu-174
0.000 To 0.382 %



MAT 7122

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

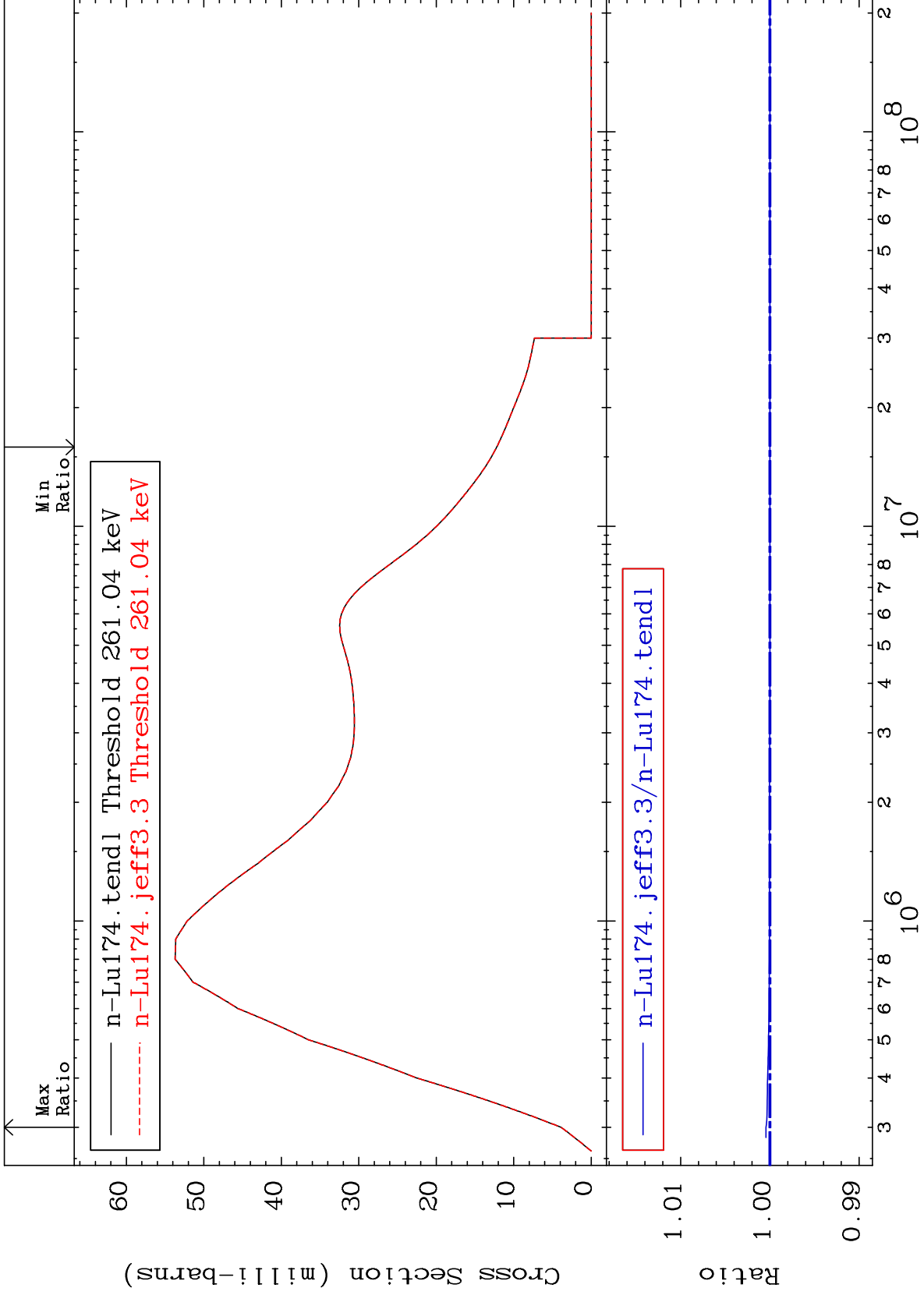
71-Lu-174
0.000 To 0.382 %



MAT 7122

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

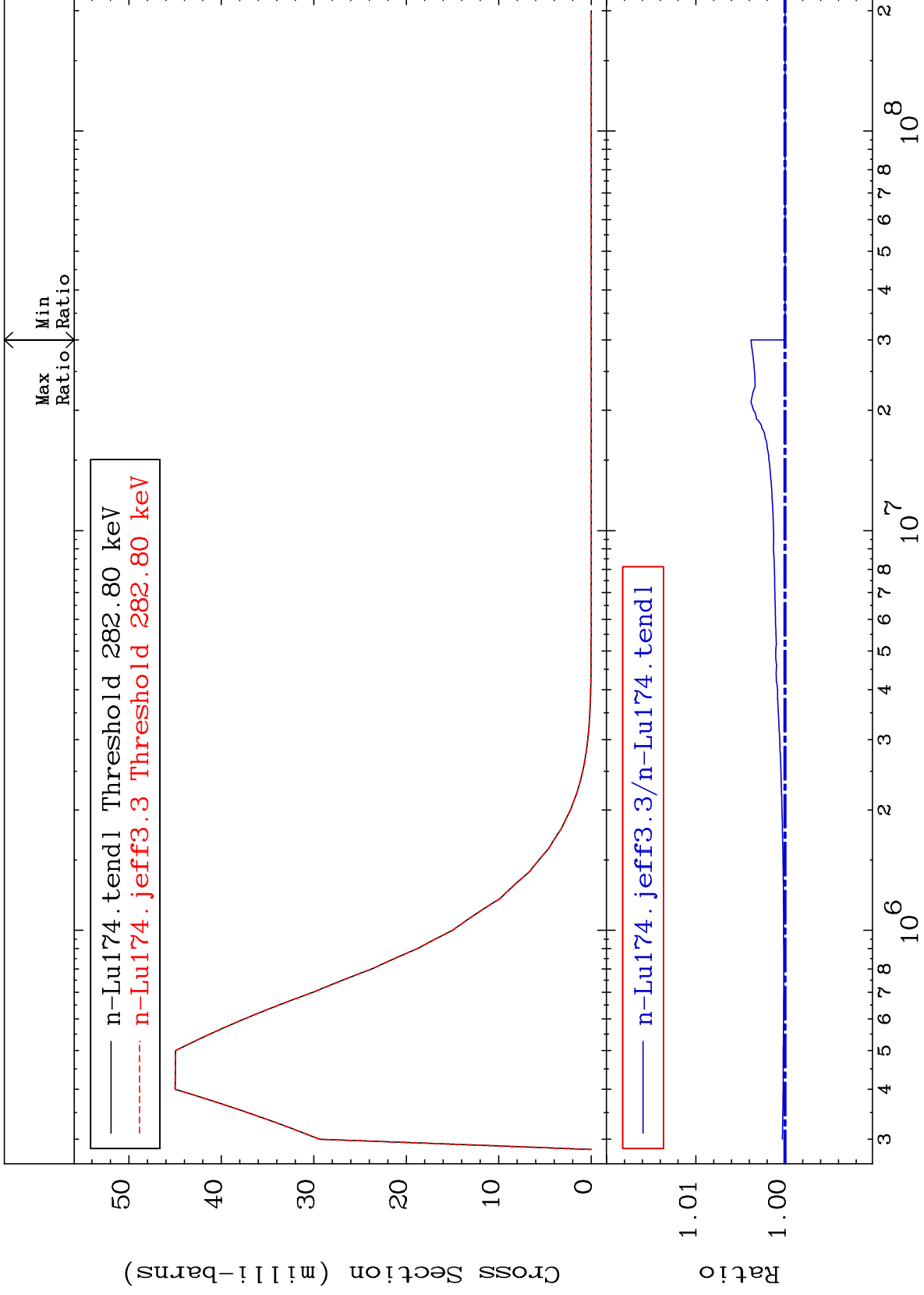
71-Lu-174
0.000 To 0.044 %



MAT 7122

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

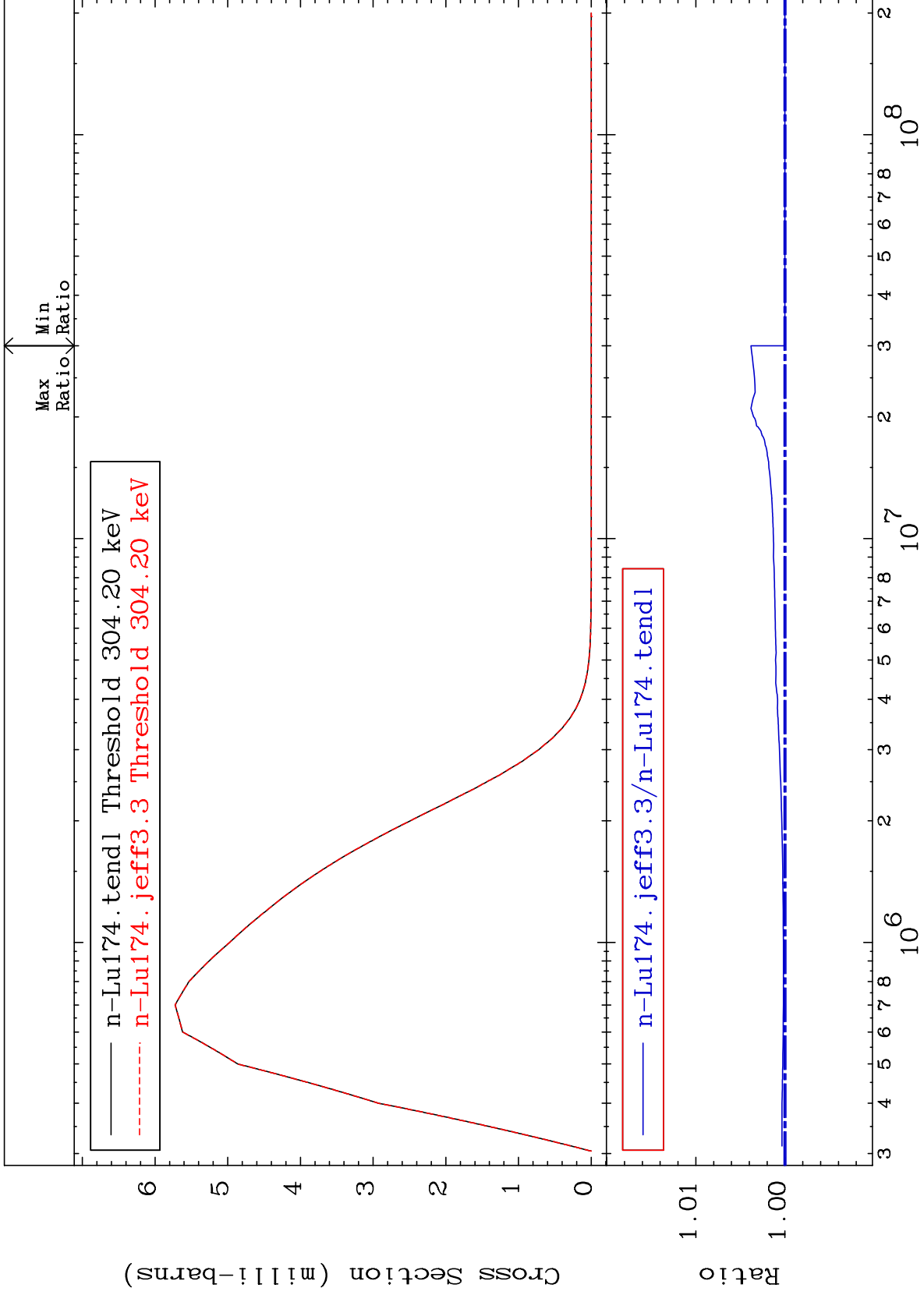
71-Lu-174
0.000 To 0.382 %



MAT 7122

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

71-Lu-174
0.000 To 0.382 %

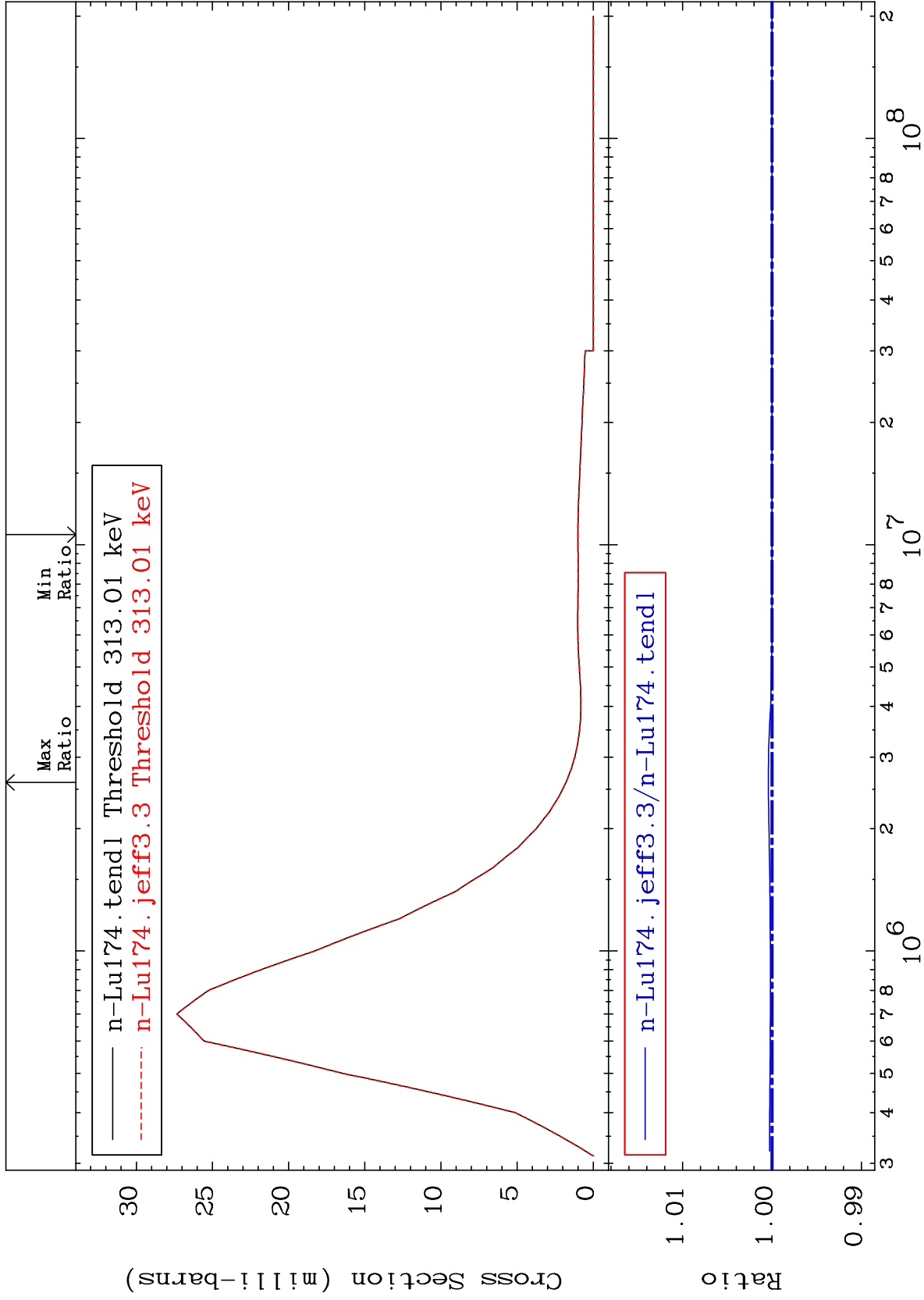


MAT 7122

MT= 59 (n, n') Level

71-Lu-174

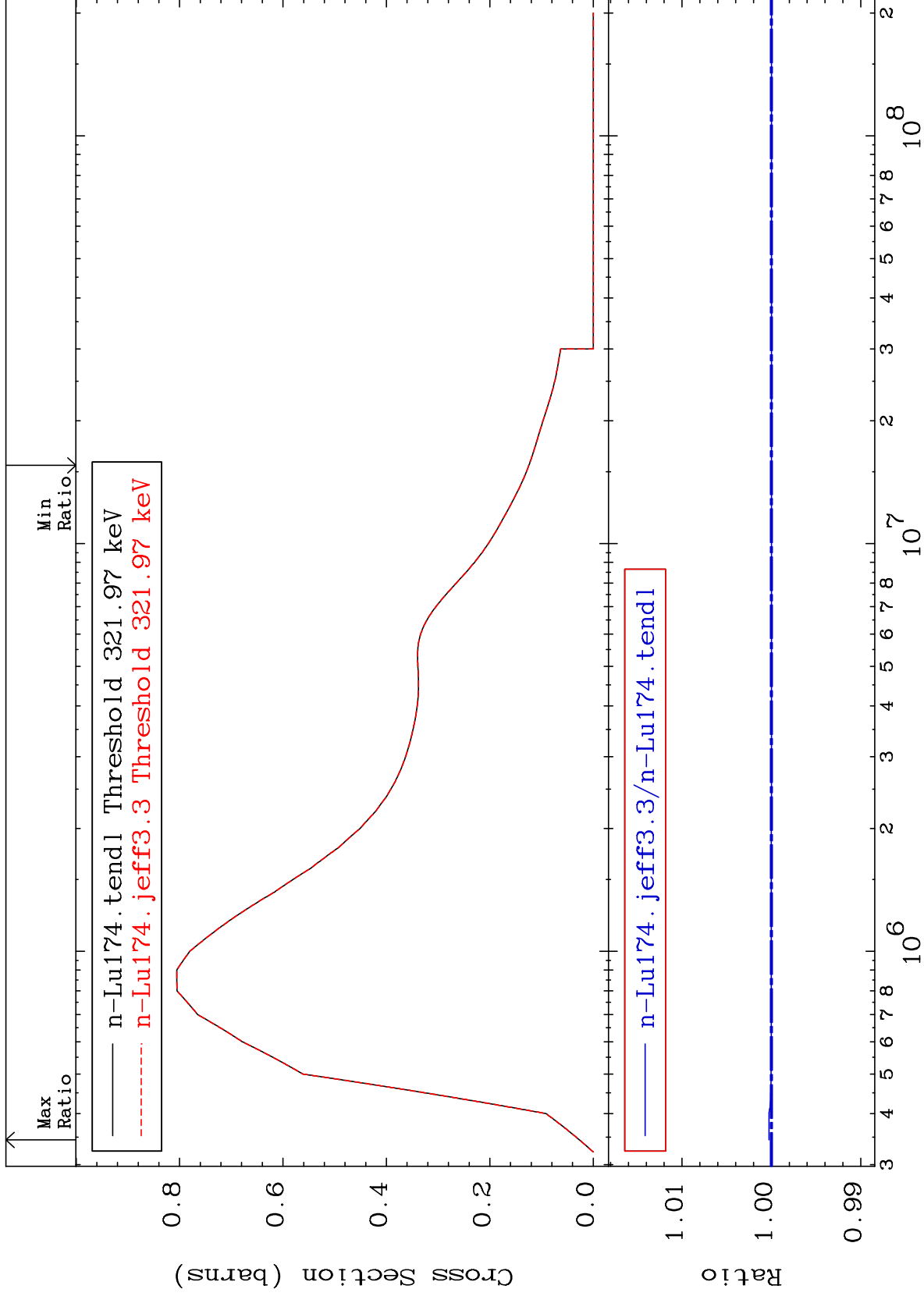
Cross Section
0.000 To 0.040 %



MAT 7122

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

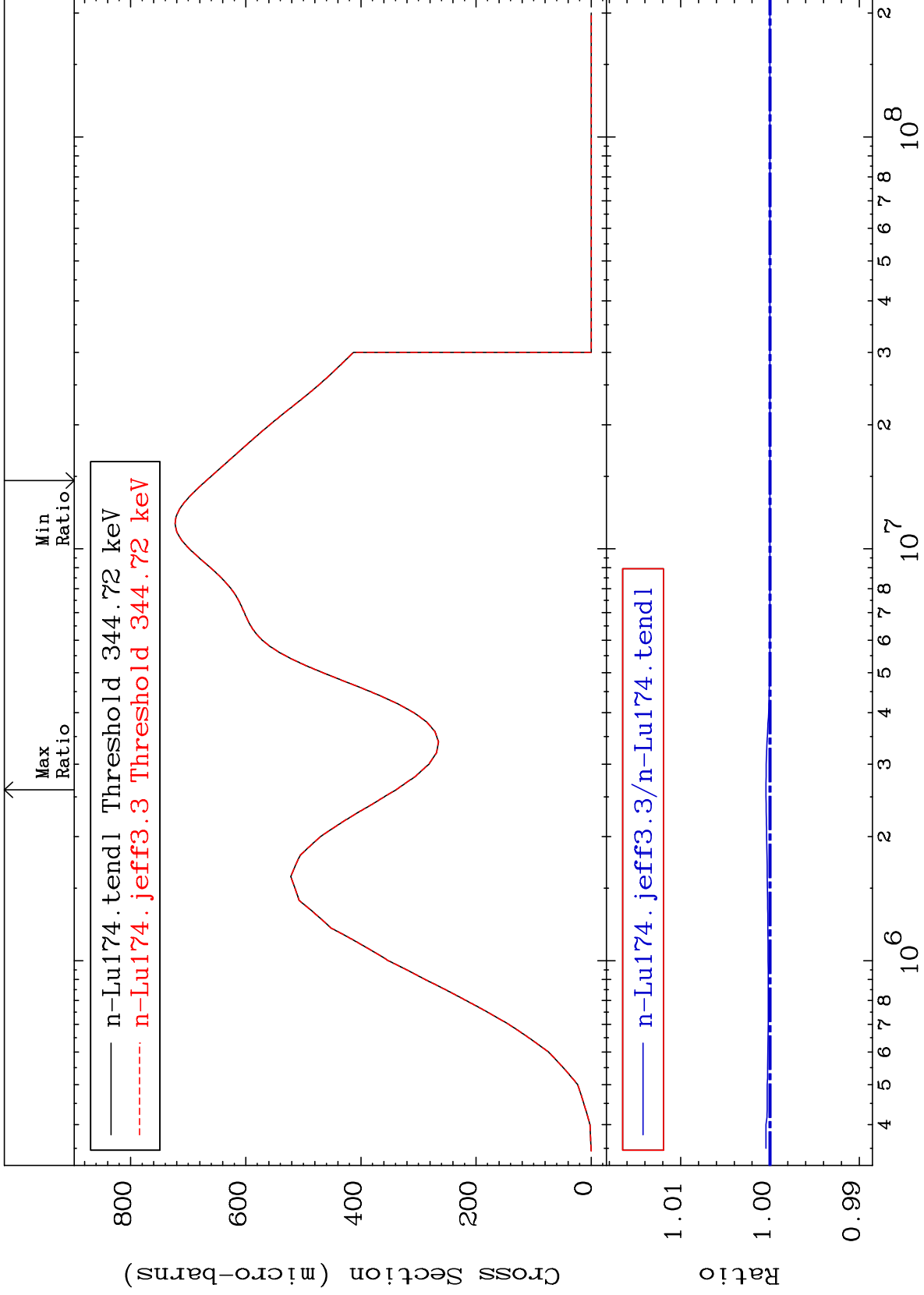
71-Lu-174
0.000 To 0.028 %



MAT 7122

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

71-Lu-174
0.000 To 0.045 %



30

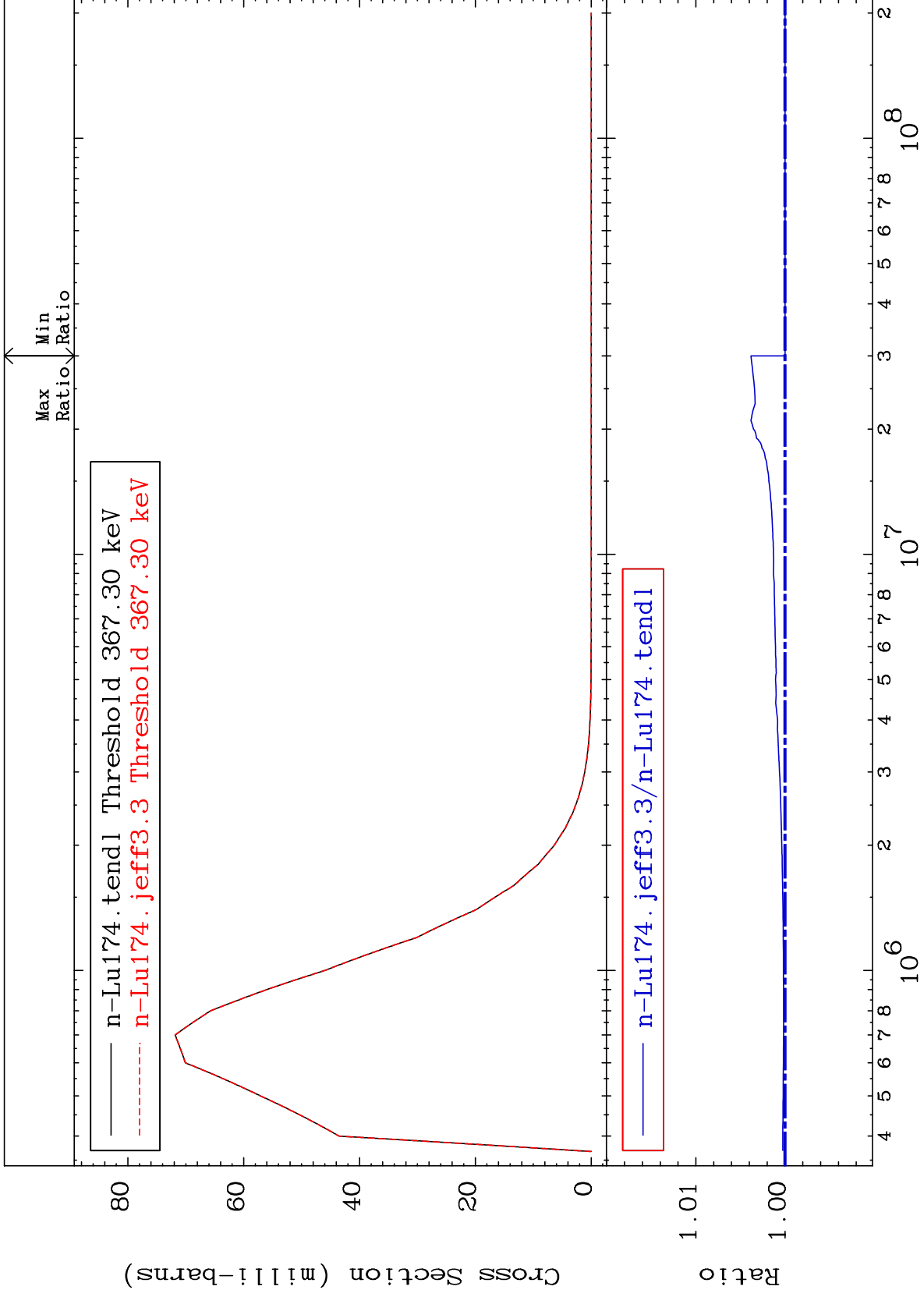
Incident Energy (eV)

71-Lu-174

MAT 7122

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

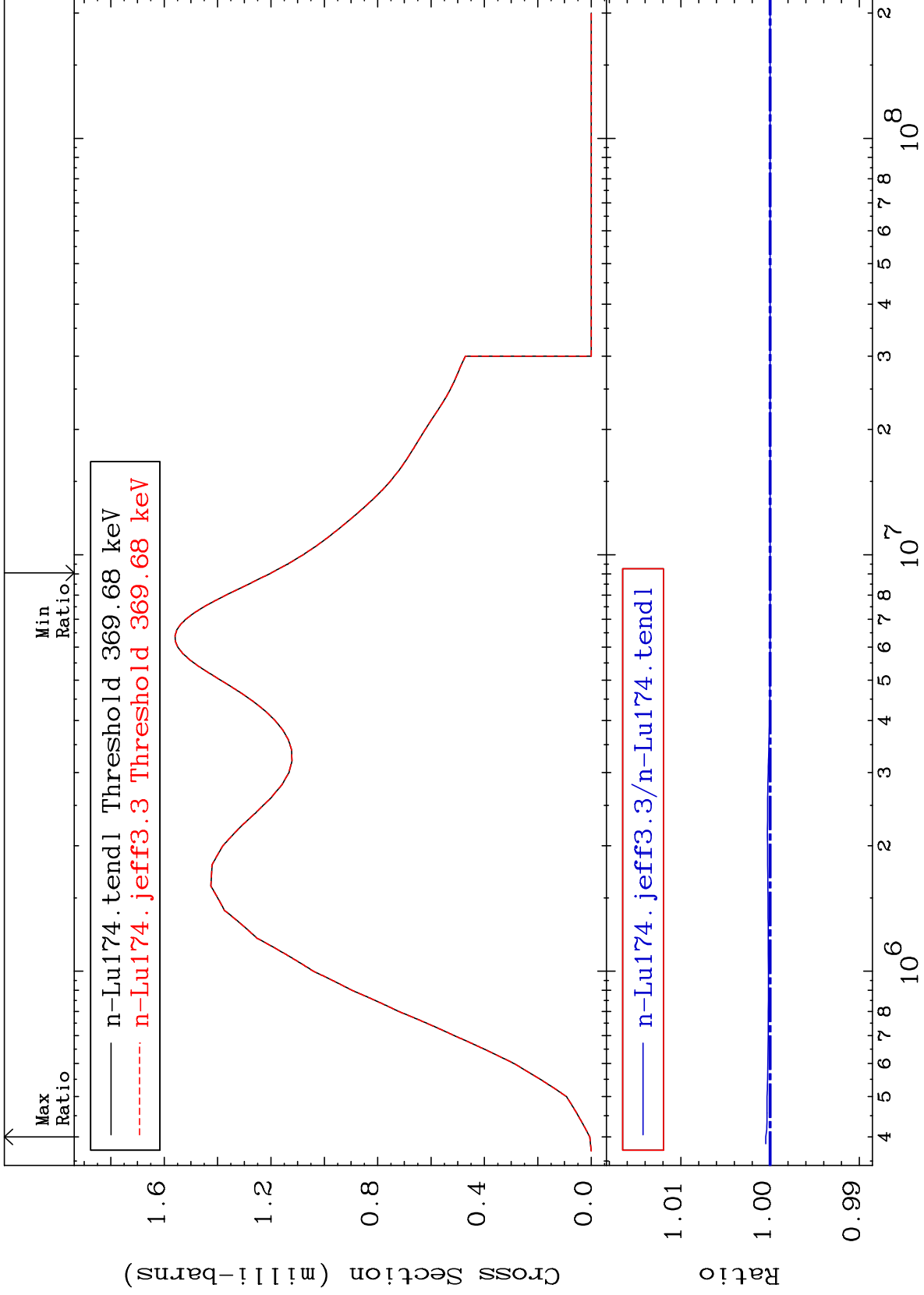
71-Lu-174
0.000 To 0.382 %



MAT 7122

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

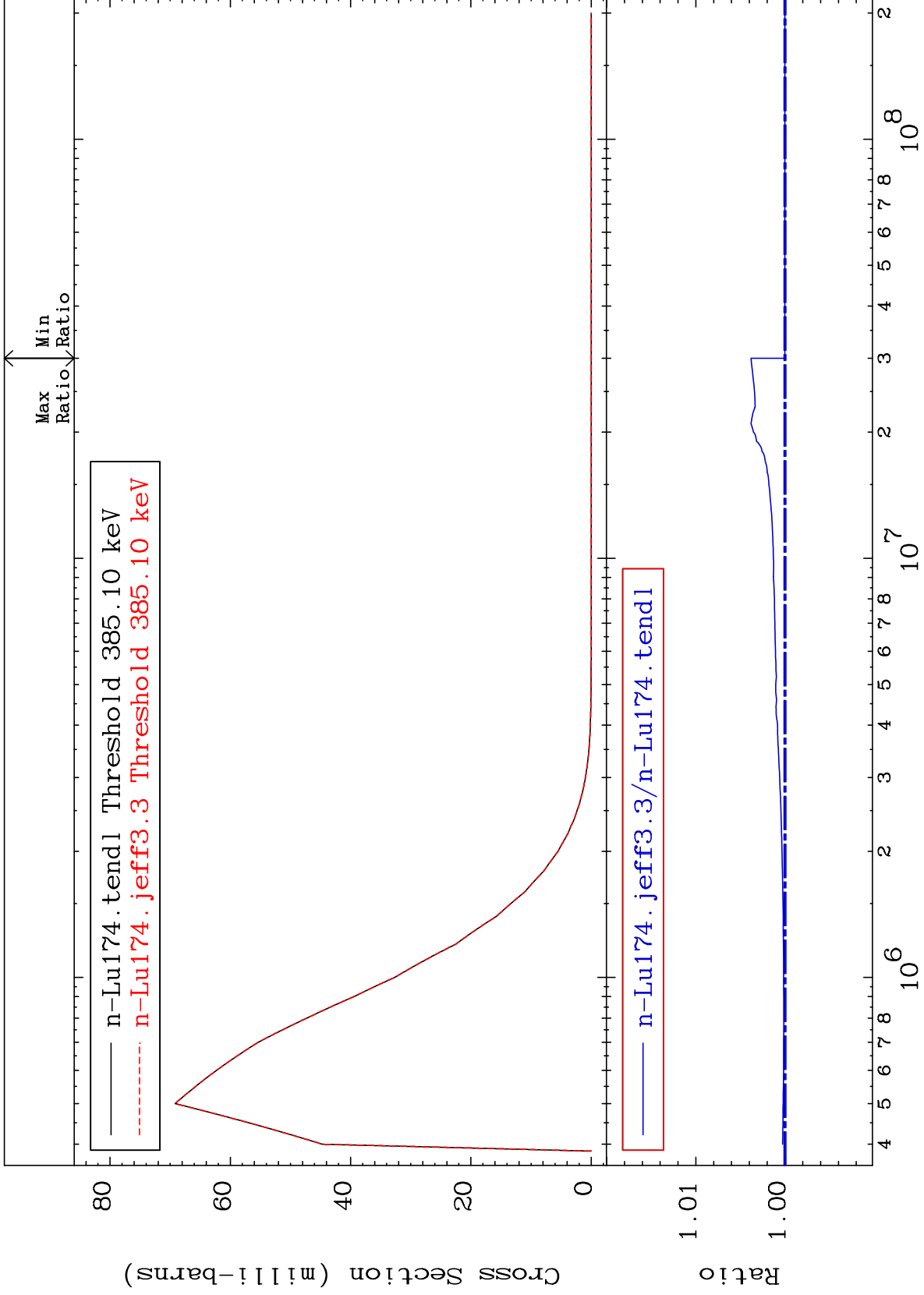
71-Lu-174
0.000 To 0.048 %



MAT 7122

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

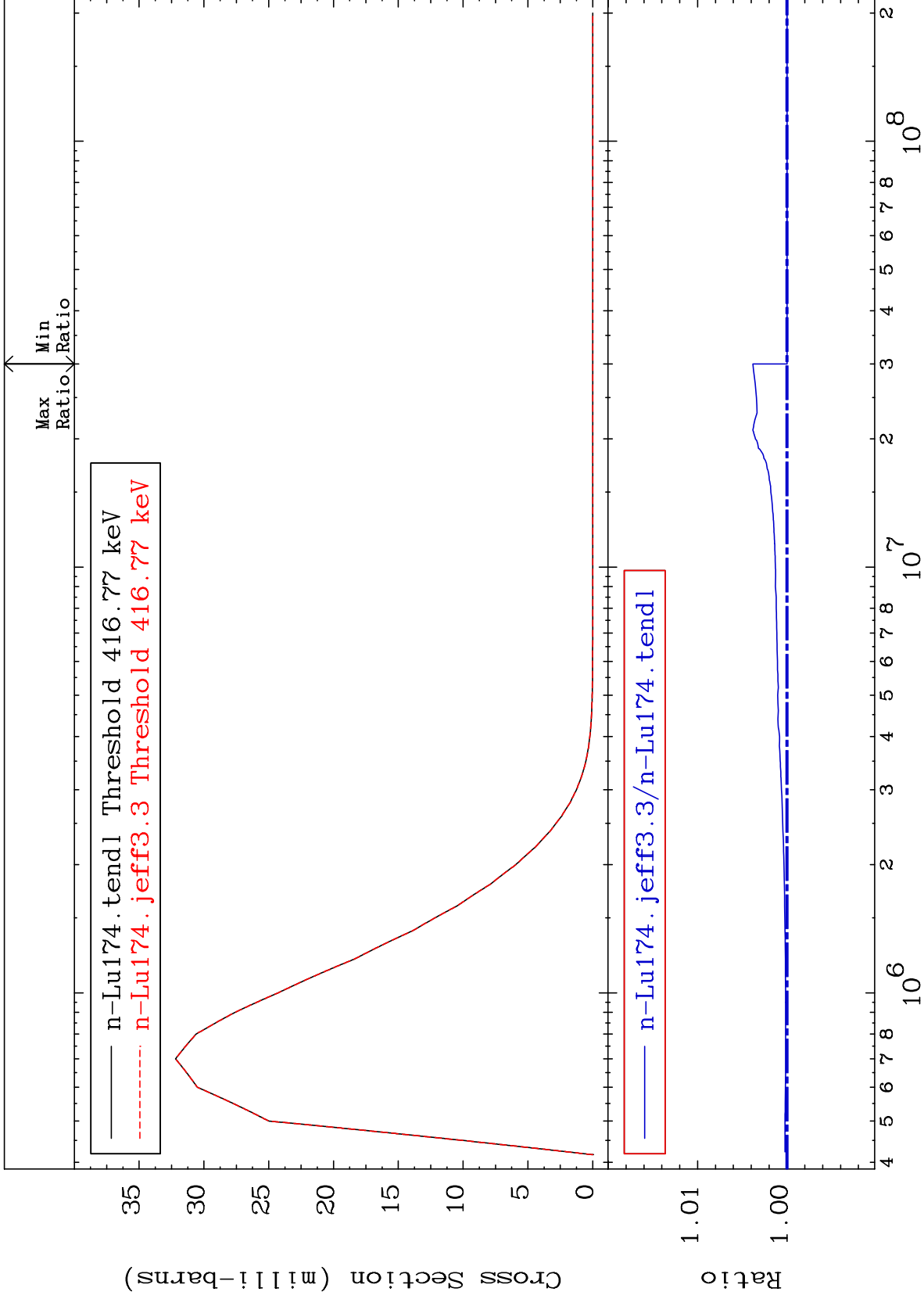
71-Lu-174
0.000 To 0.382 %



MAT 7122

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

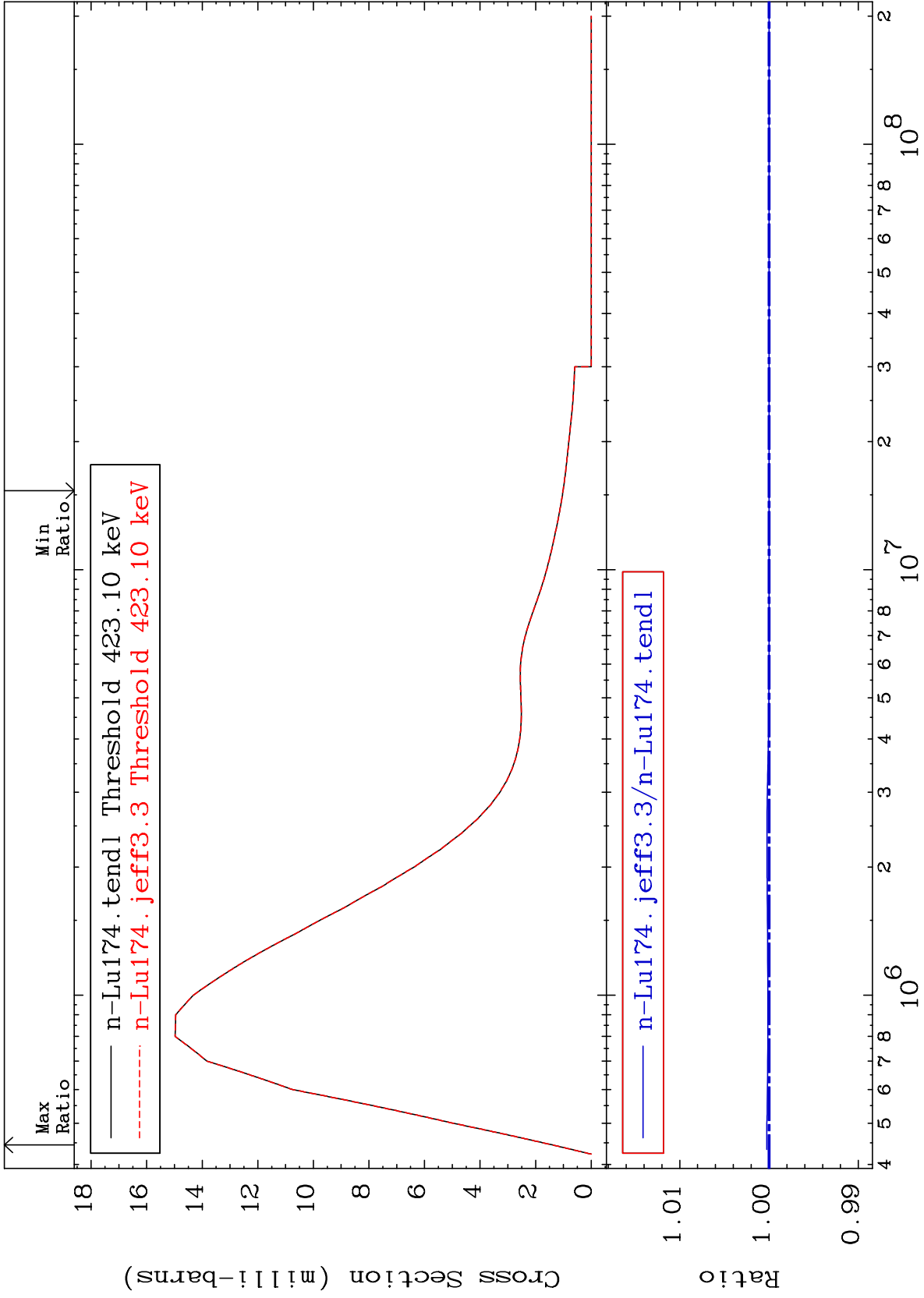
71-Lu-174
0.000 To 0.382 %



MAT 7122

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

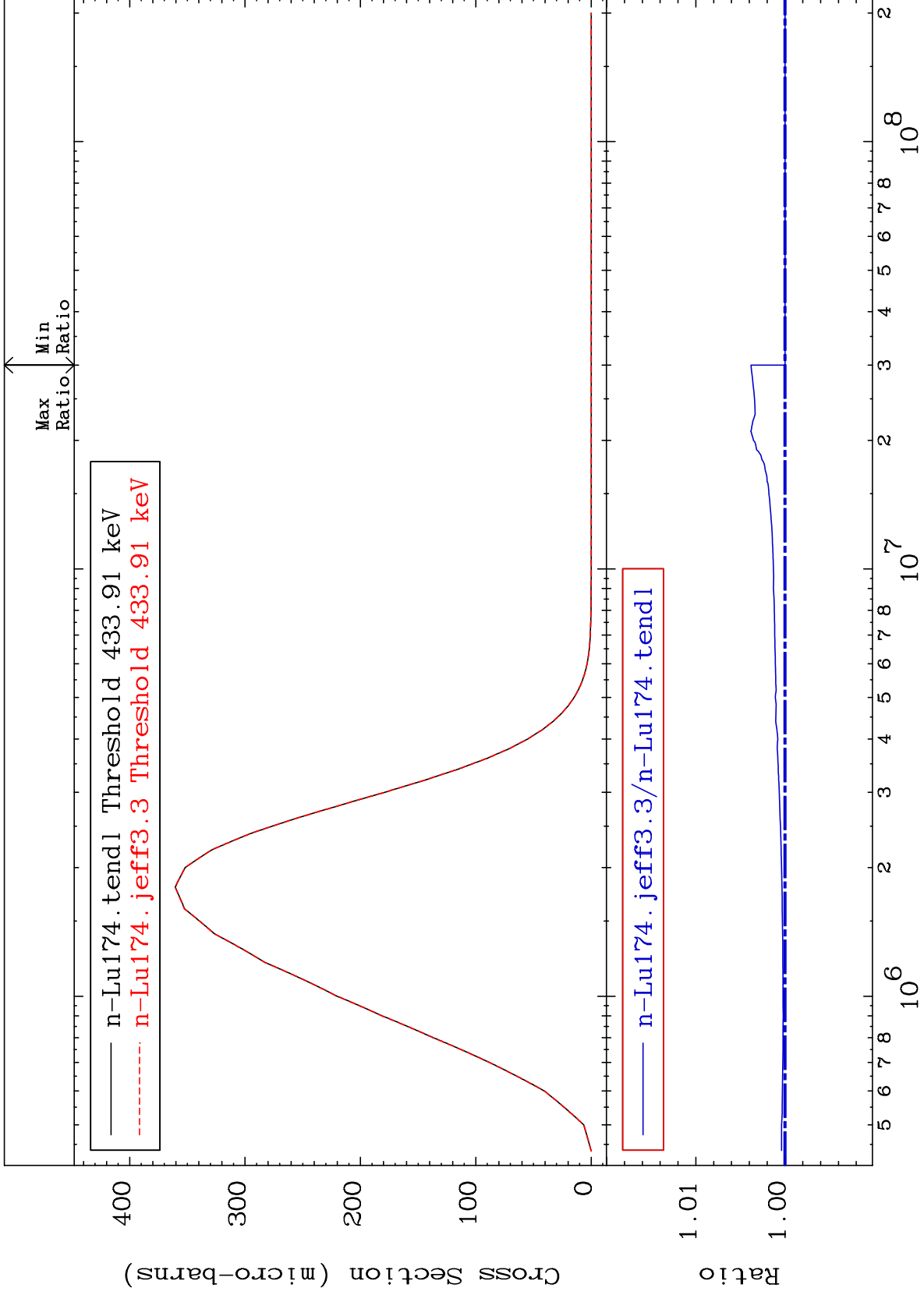
71-Lu-174
0.000 To 0.025 %



MAT 7122

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

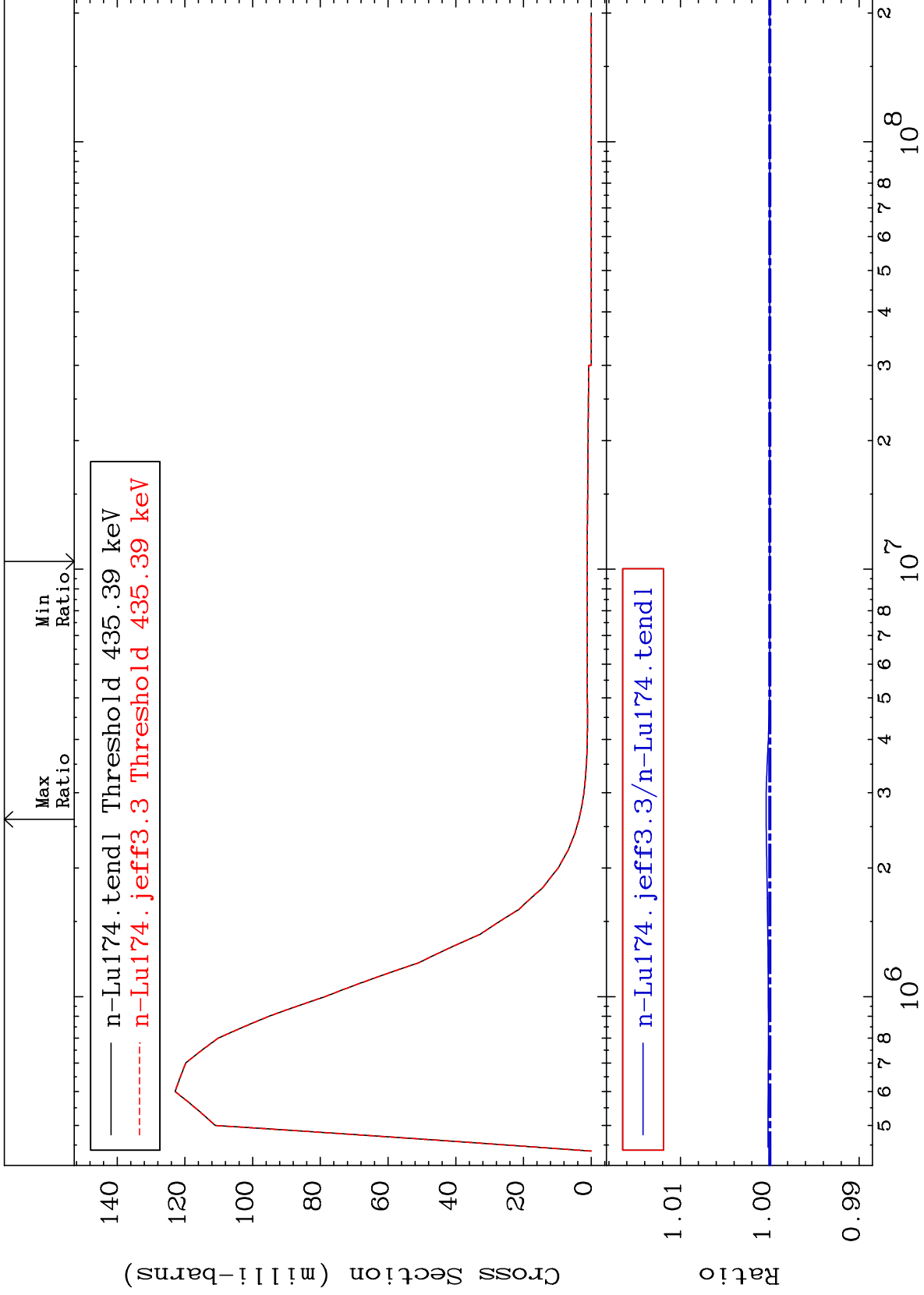
71-Lu-174
0.000 To 0.382 %



MAT 7122

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

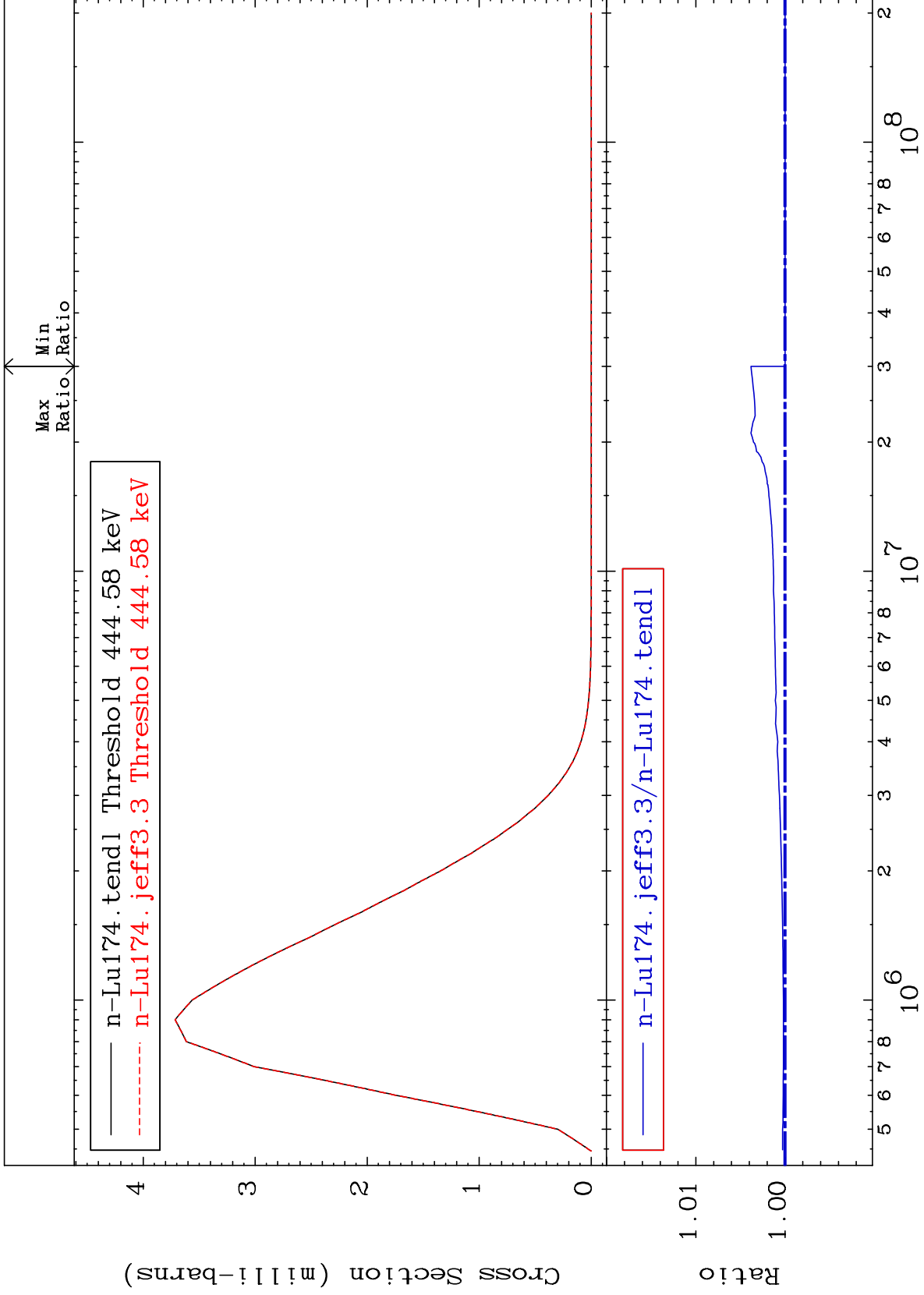
71-Lu-174
0.000 To 0.040 %



MAT 7122

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

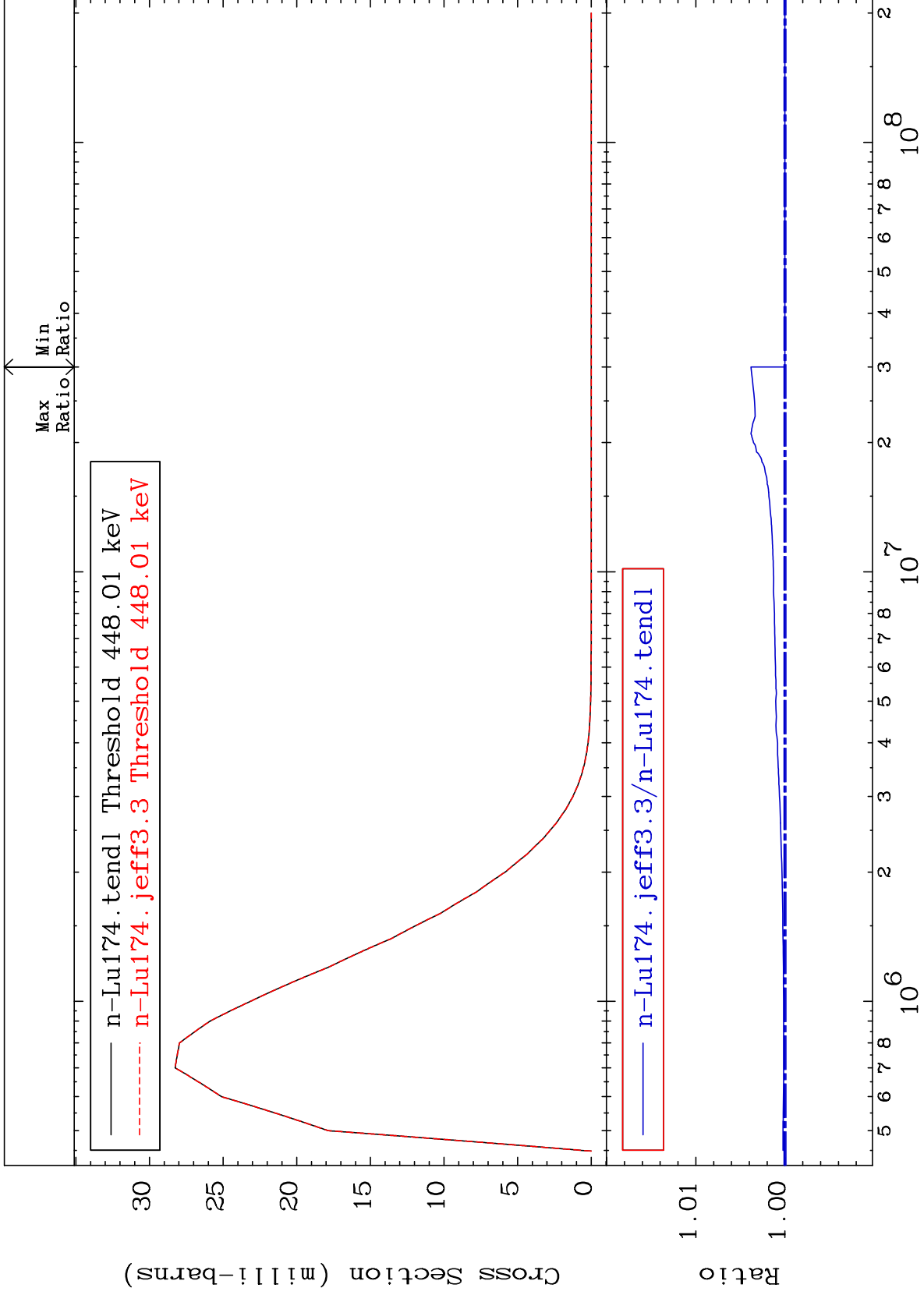
71-Lu-174
0.000 To 0.382 %



MAT 7122

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

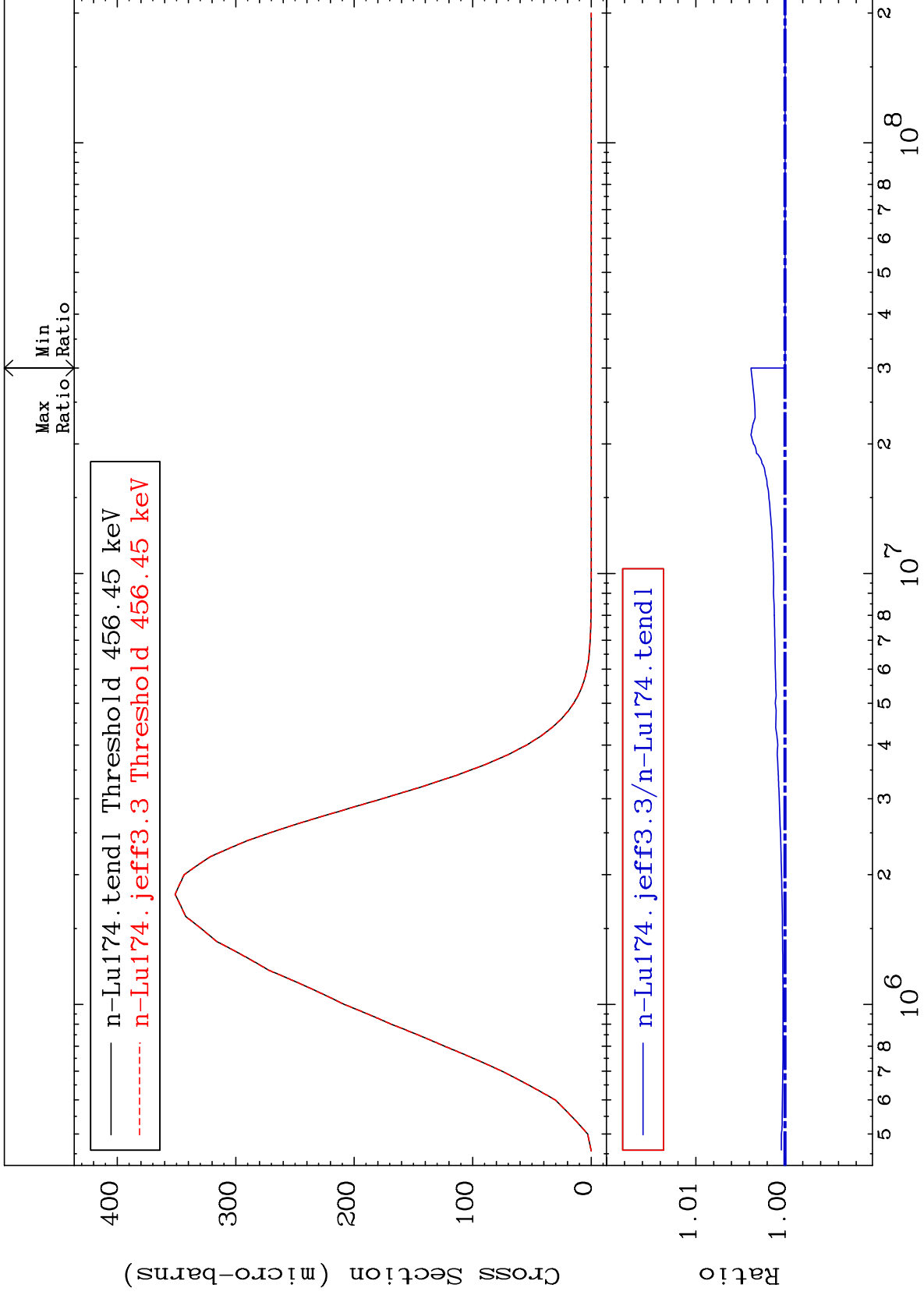
71-Lu-174
0.000 To 0.382 %



MAT 7122

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

71-Lu-174
0.000 To 0.382 %



40

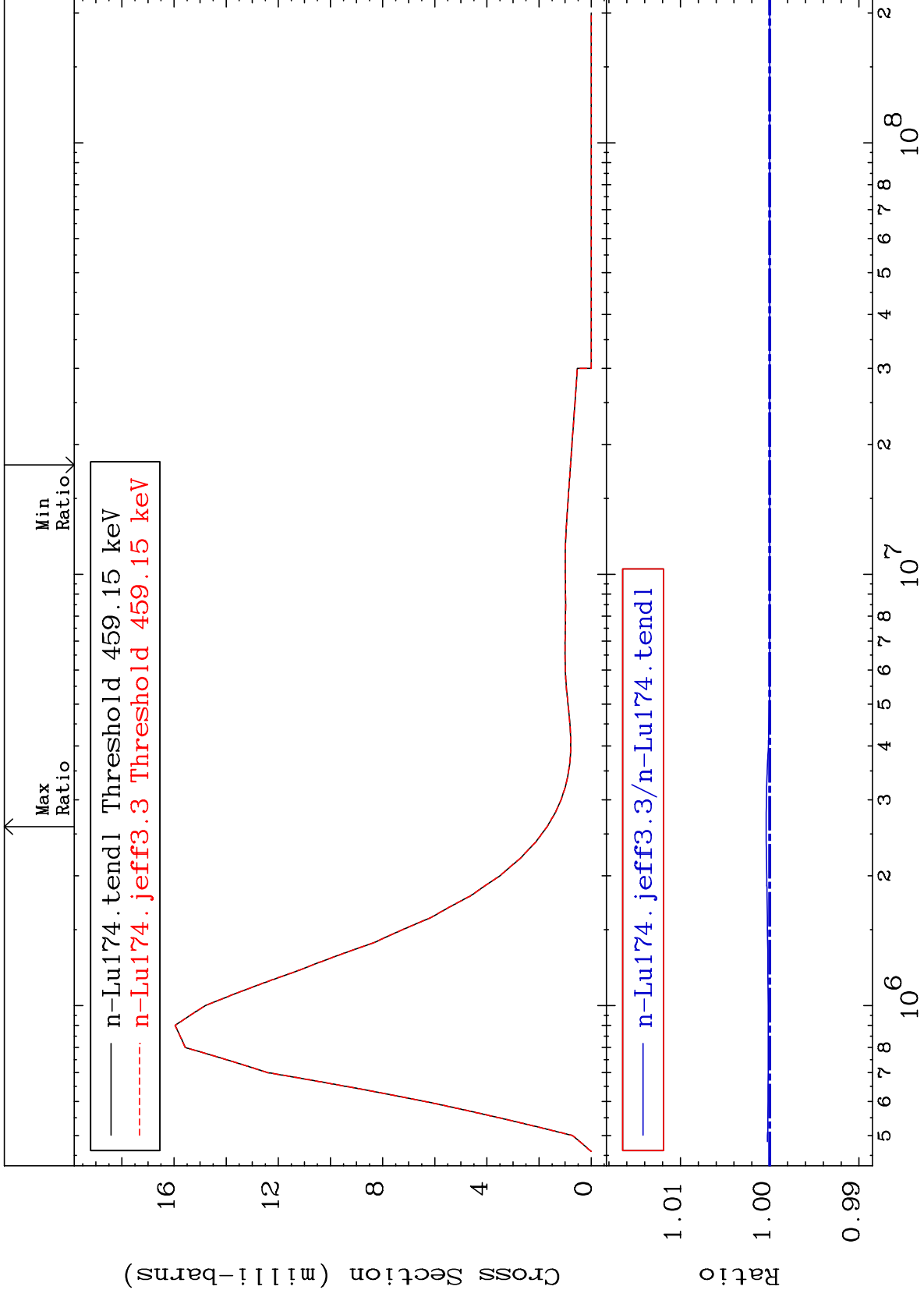
Incident Energy (eV)

71-Lu-174

MAT 7122

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

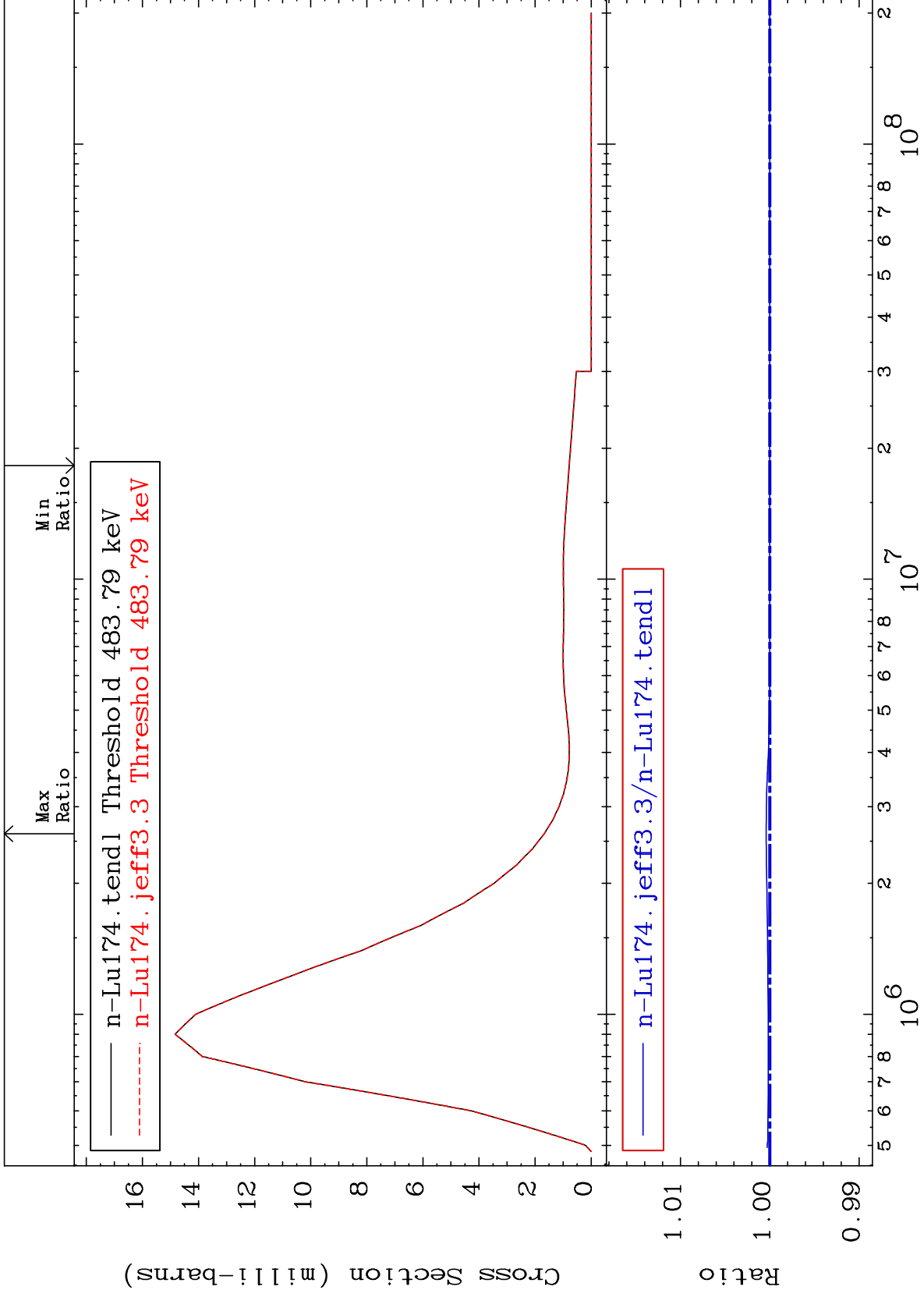
71-Lu-174
0.000 To 0.040 %



MAT 7122

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

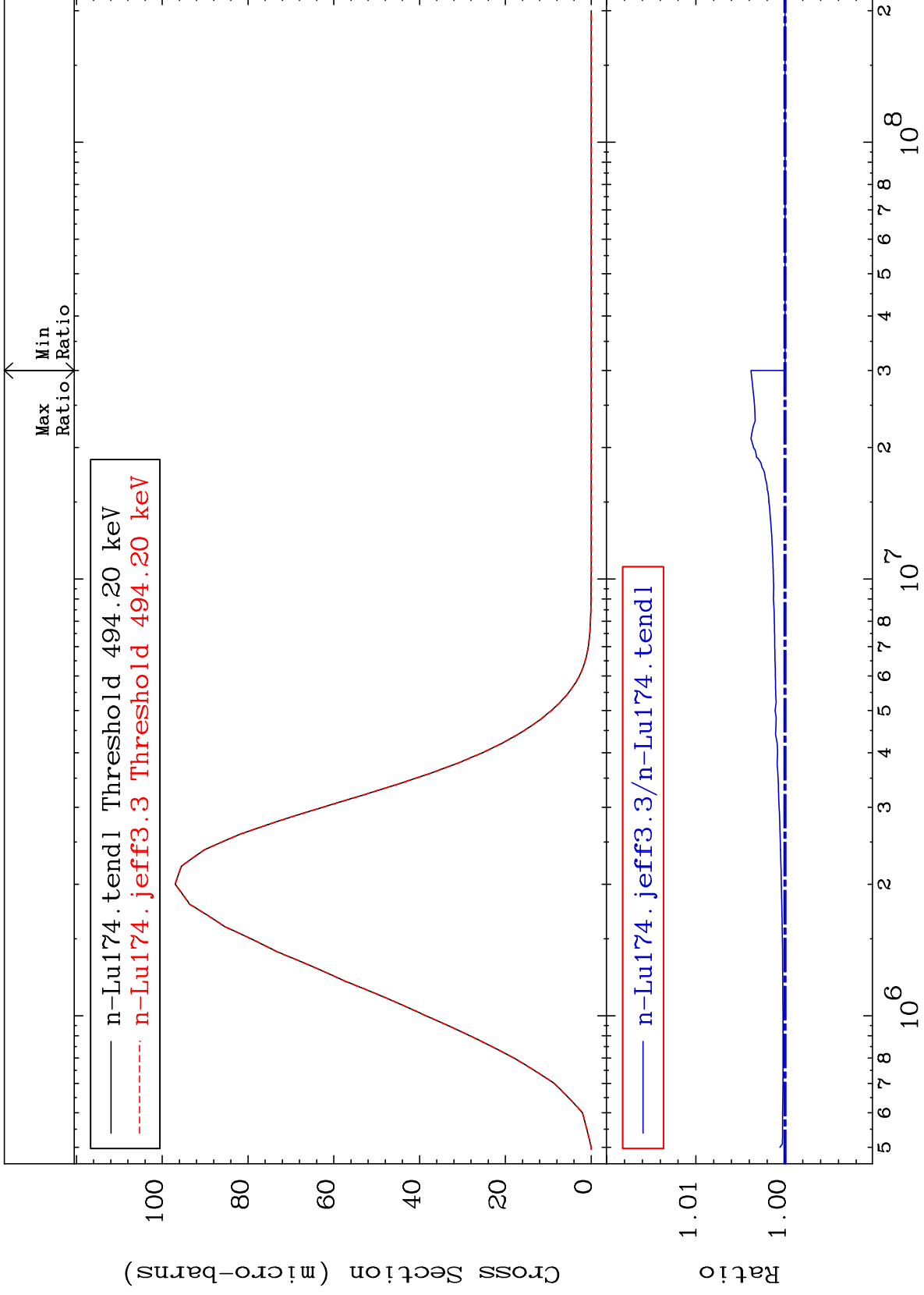
71-Lu-174
0.000 To 0.040 %



MAT 7122

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

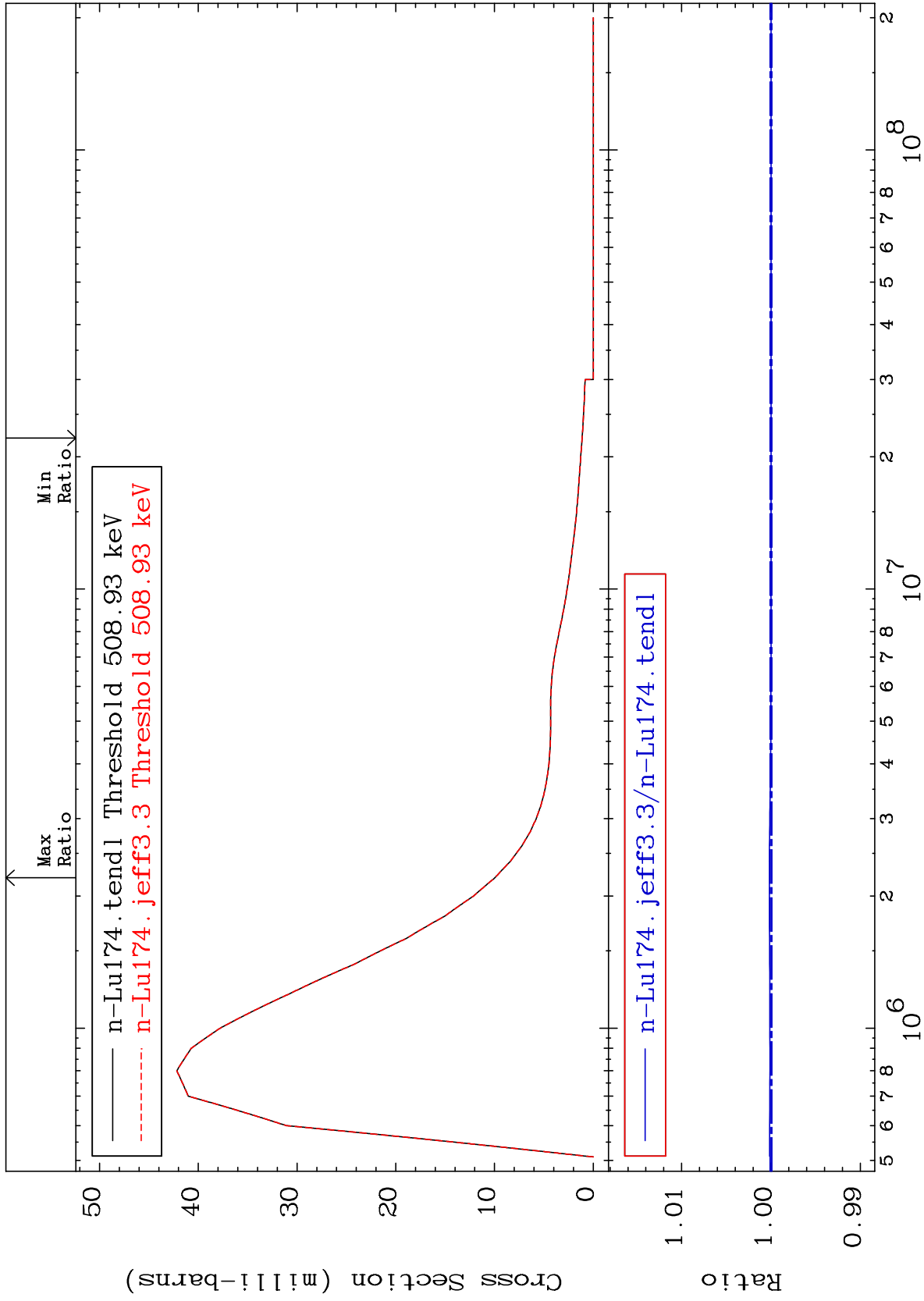
71-Lu-174
0.000 To 0.382 %



MAT 7122

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

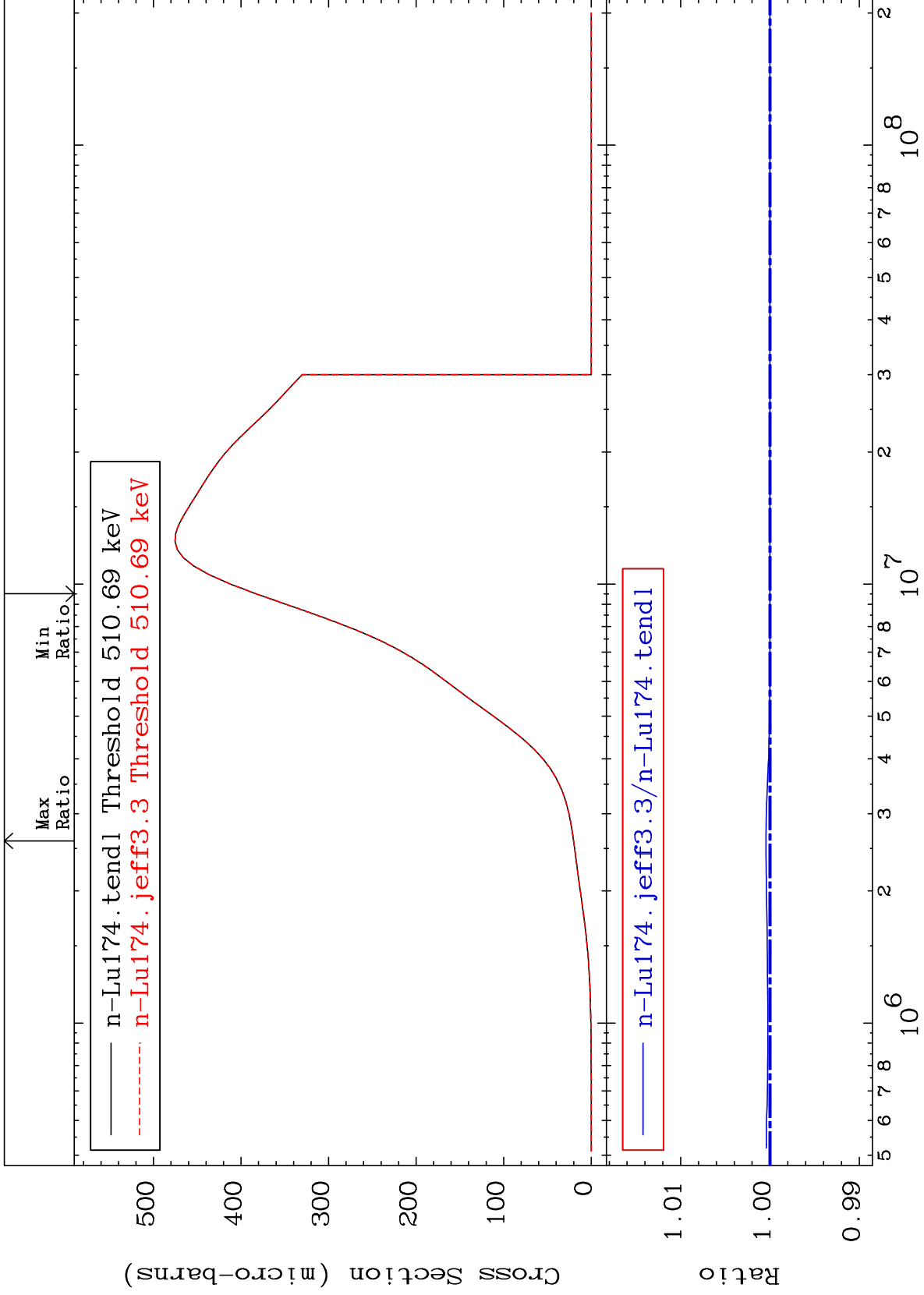
71-Lu-174
0.000 To 0.018 %



MAT 7122

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

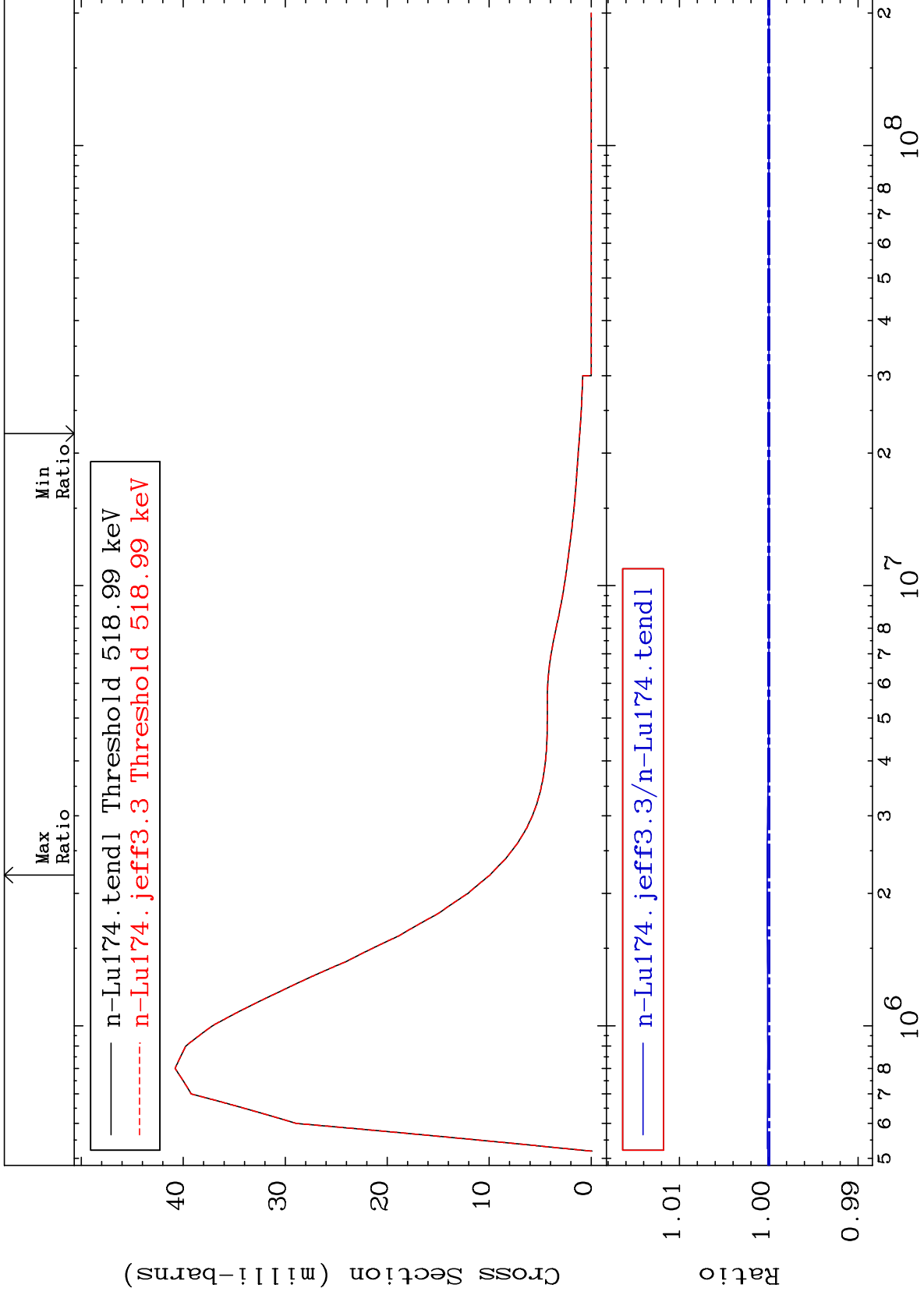
71-Lu-174
0.000 To 0.045 %



MAT 7122

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

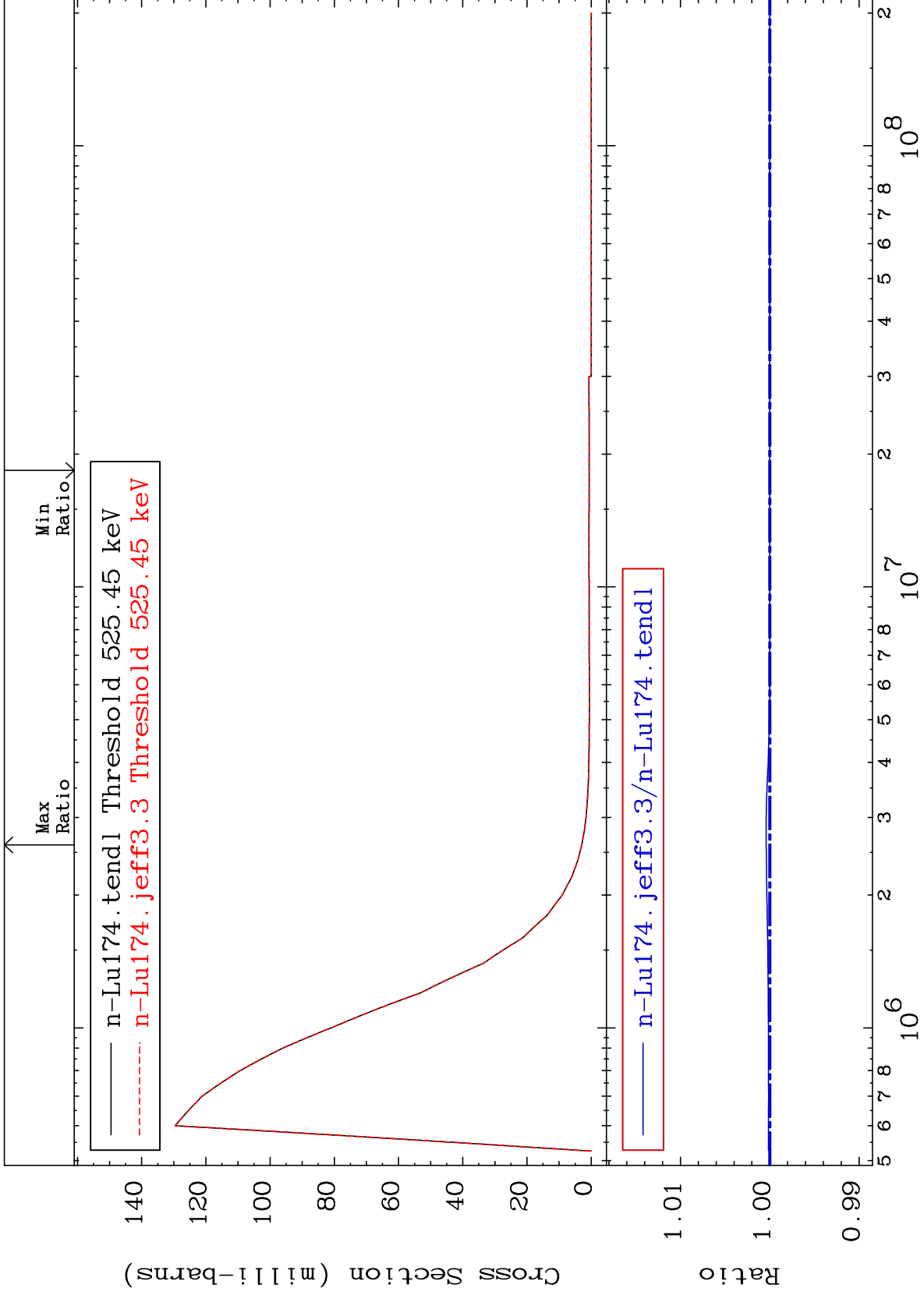
71-Lu-174
0.000 To 0.018 %



MAT 7122

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

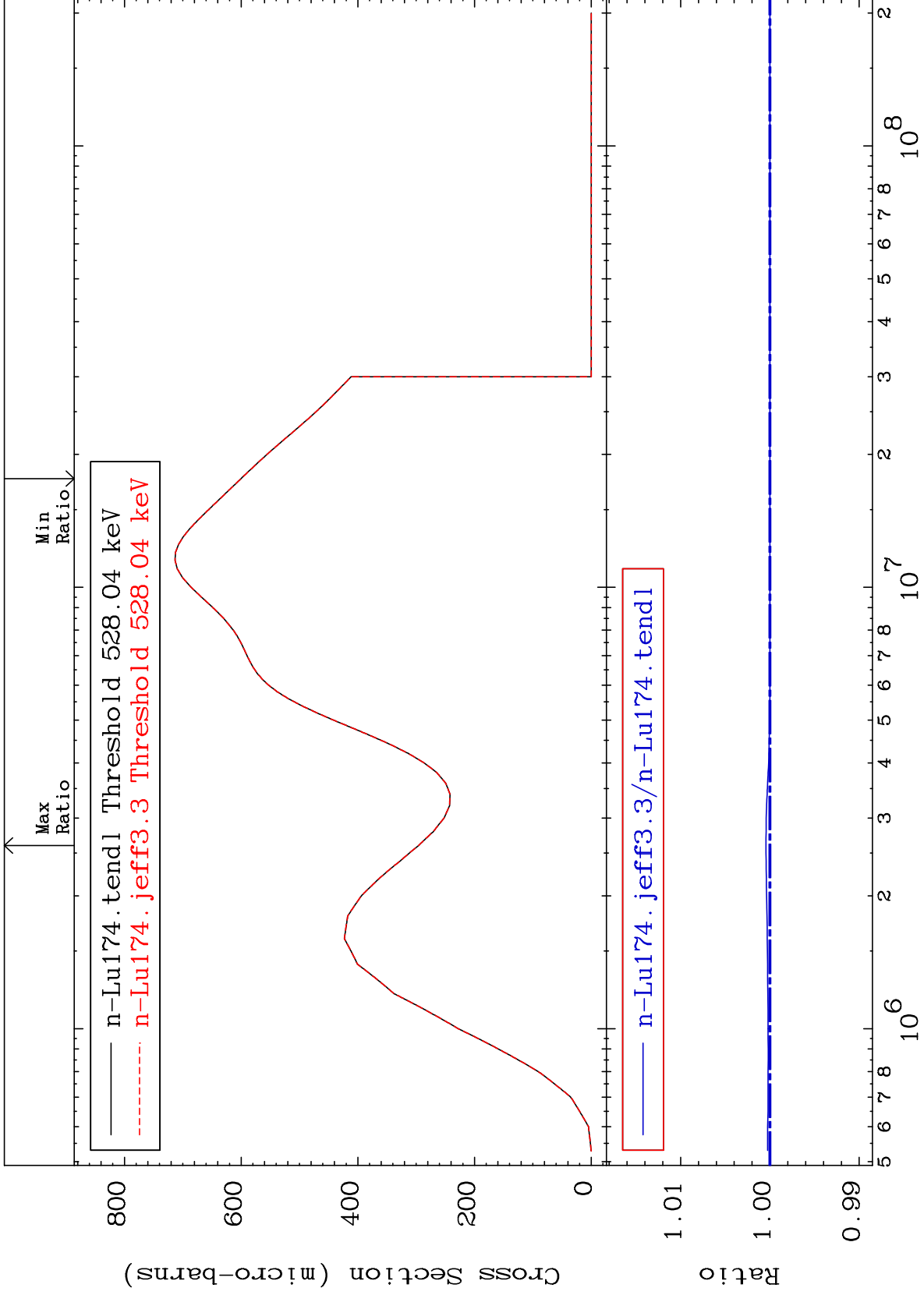
71-Lu-174
0.000 To 0.040 %



MAT 7122

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

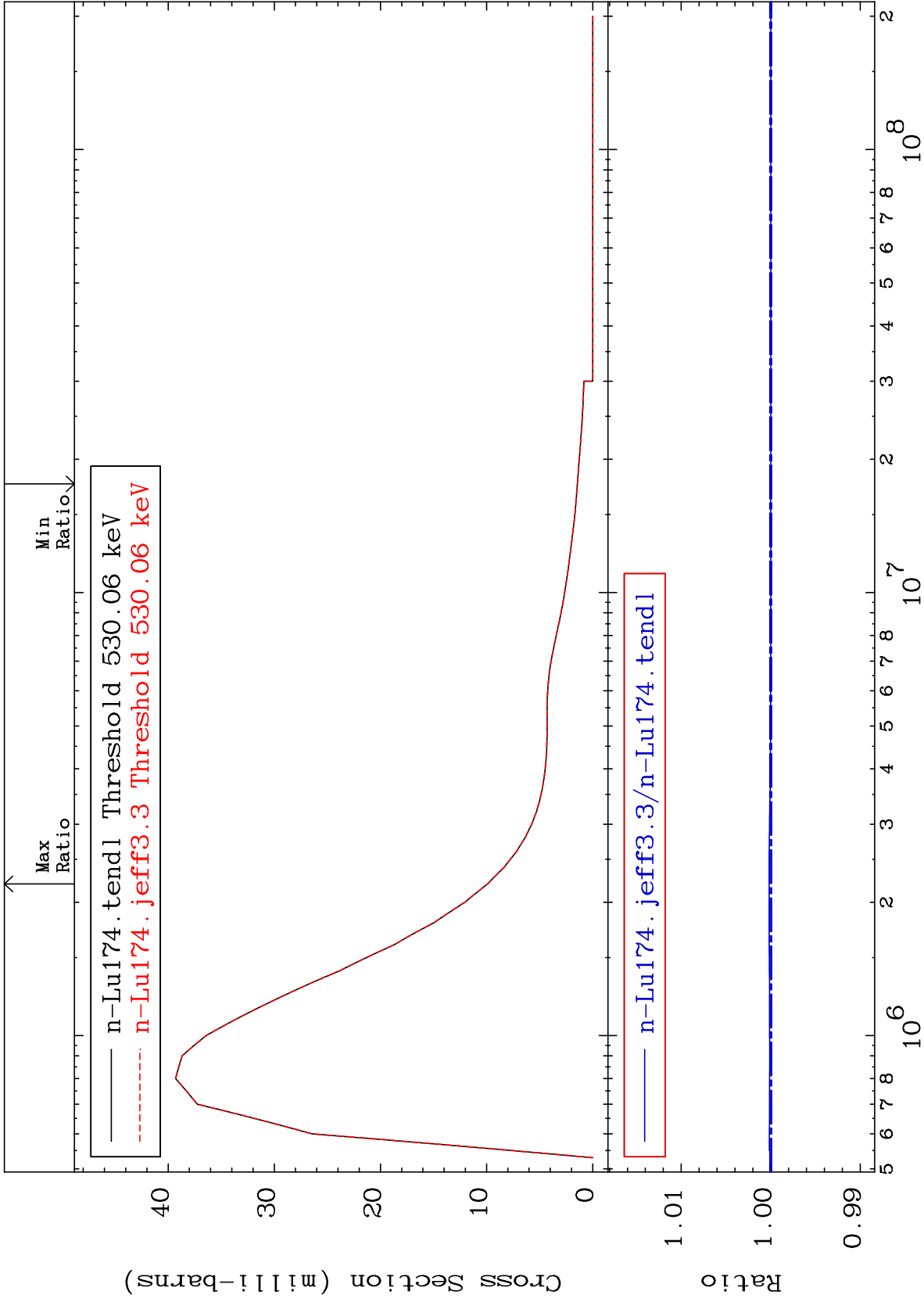
71-Lu-174
0.000 To 0.045 %

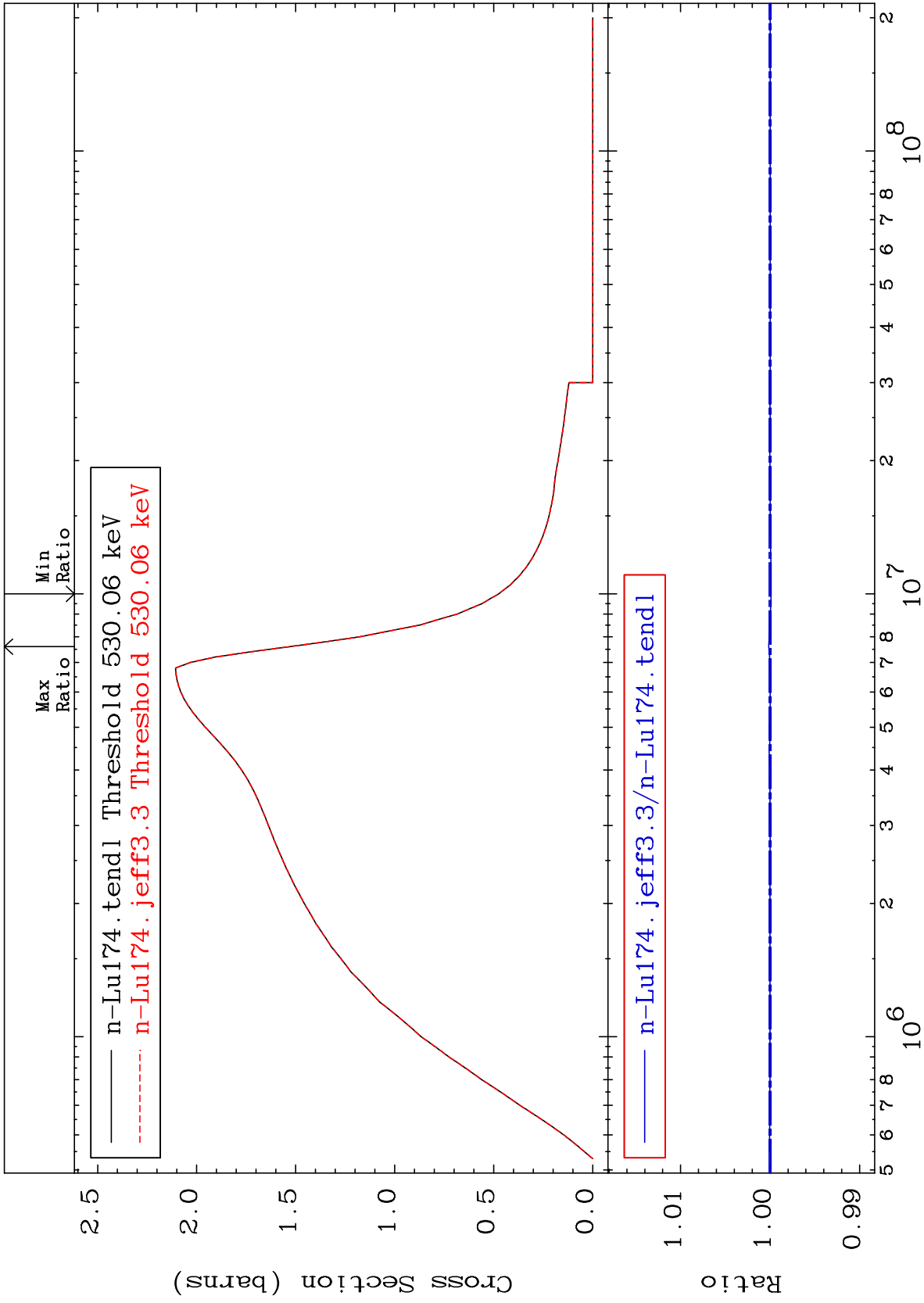


MAT 7122

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

71-Lu-174
0.000 To 0.018 %

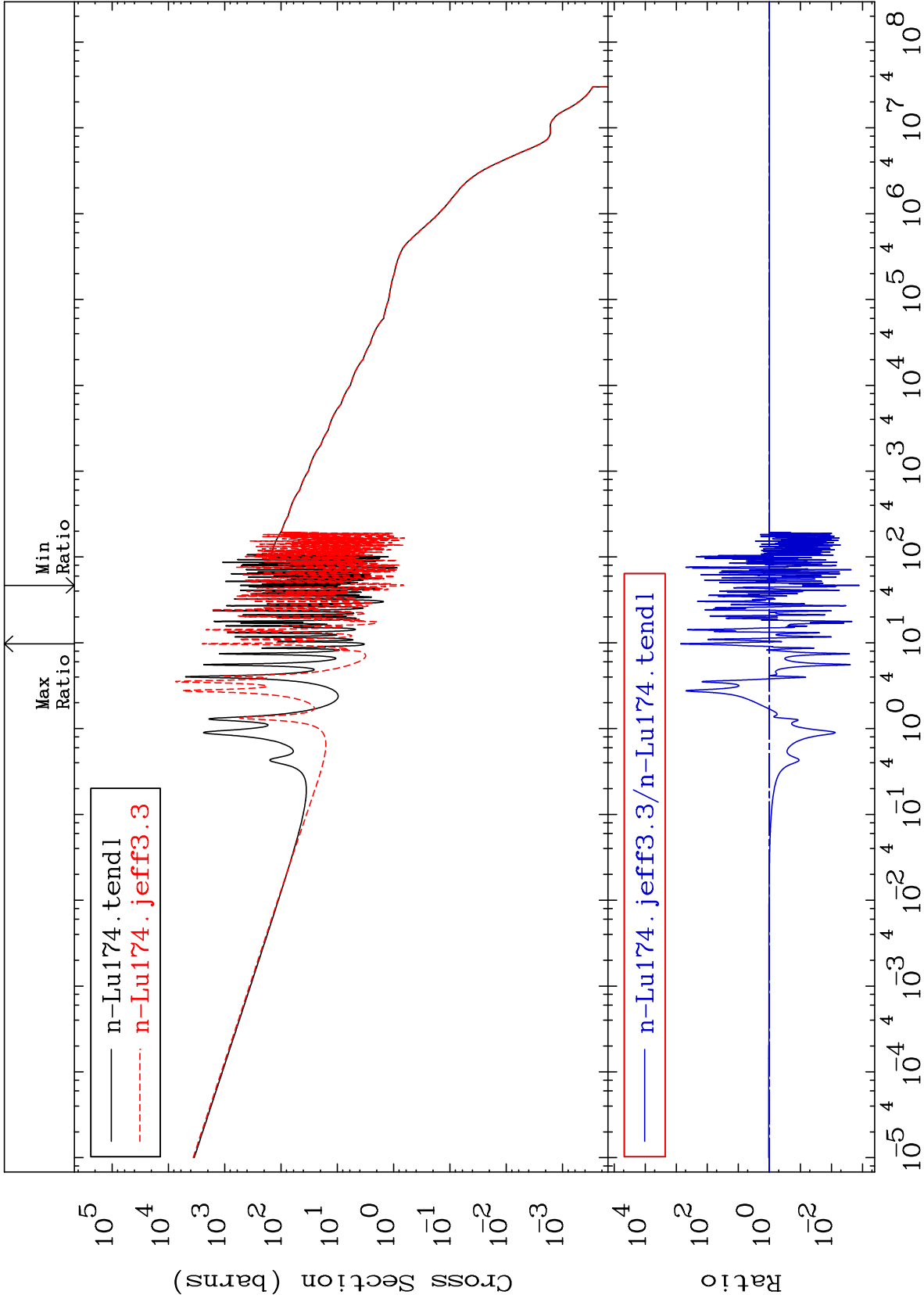




MAT 7122

(n, γ)
Cross Section

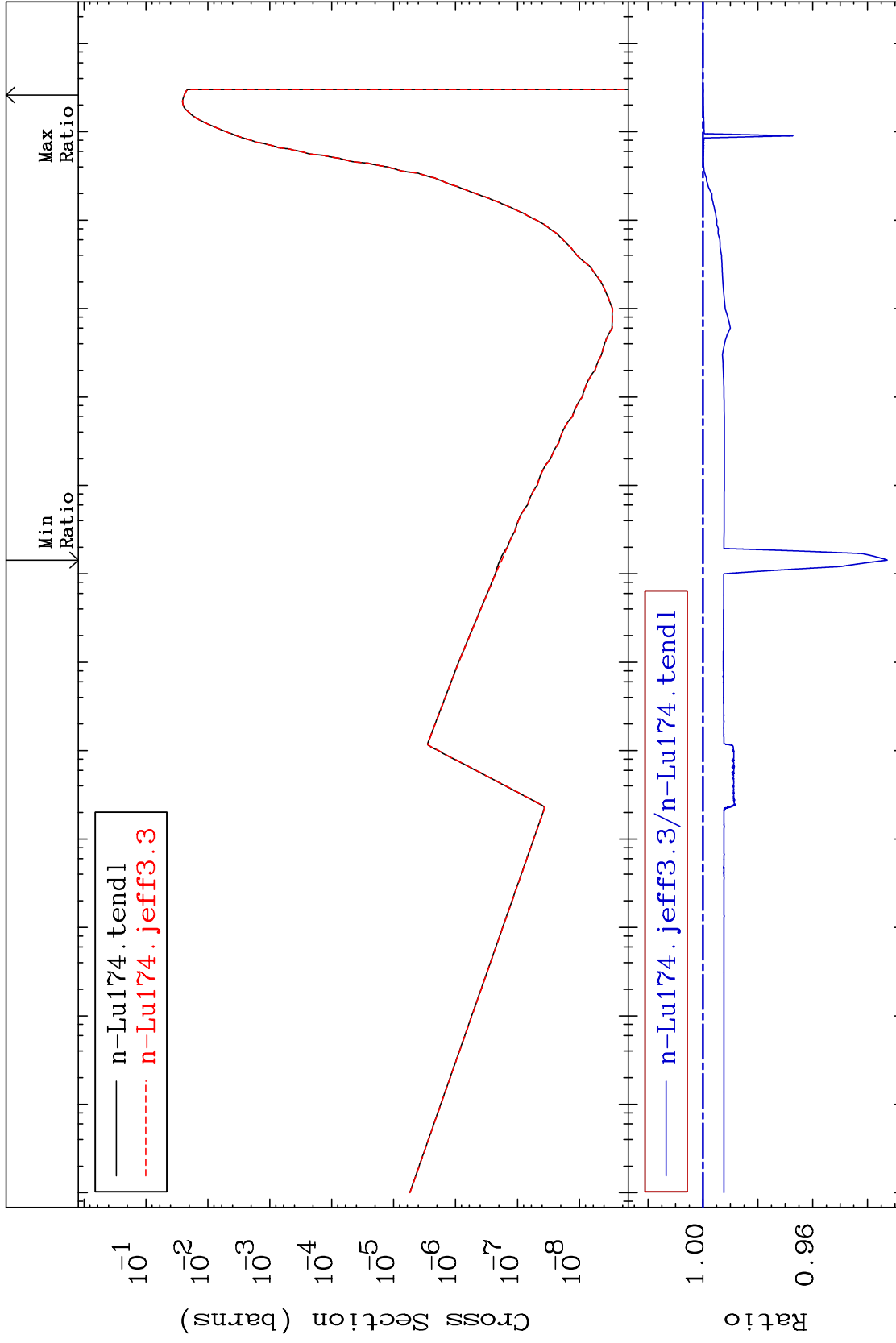
71-Lu-174
-99.87 To 9999. %



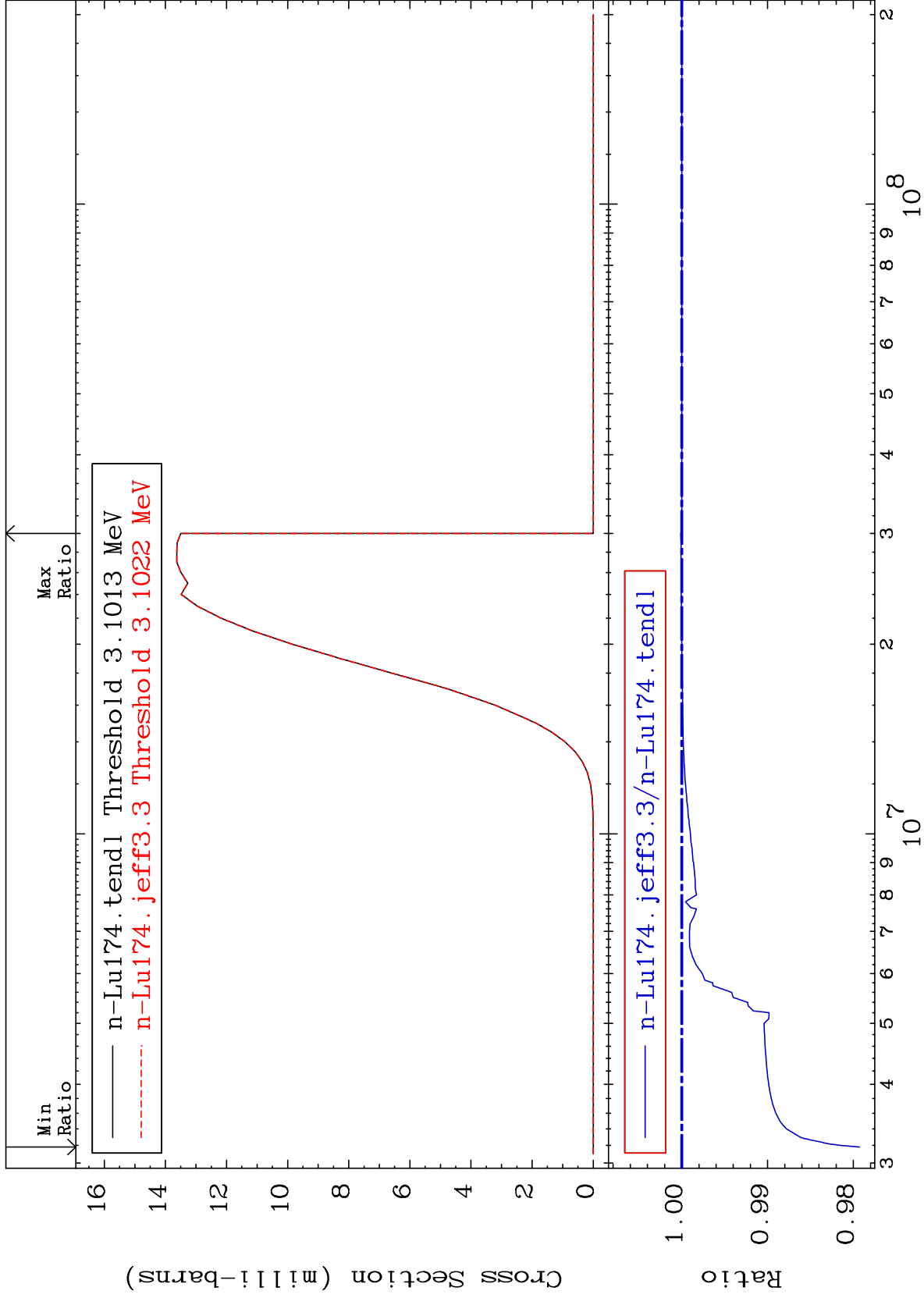
MAT 7122

(n,p)
Cross Section

71-Lu-174
-6.727 To 0.000 %

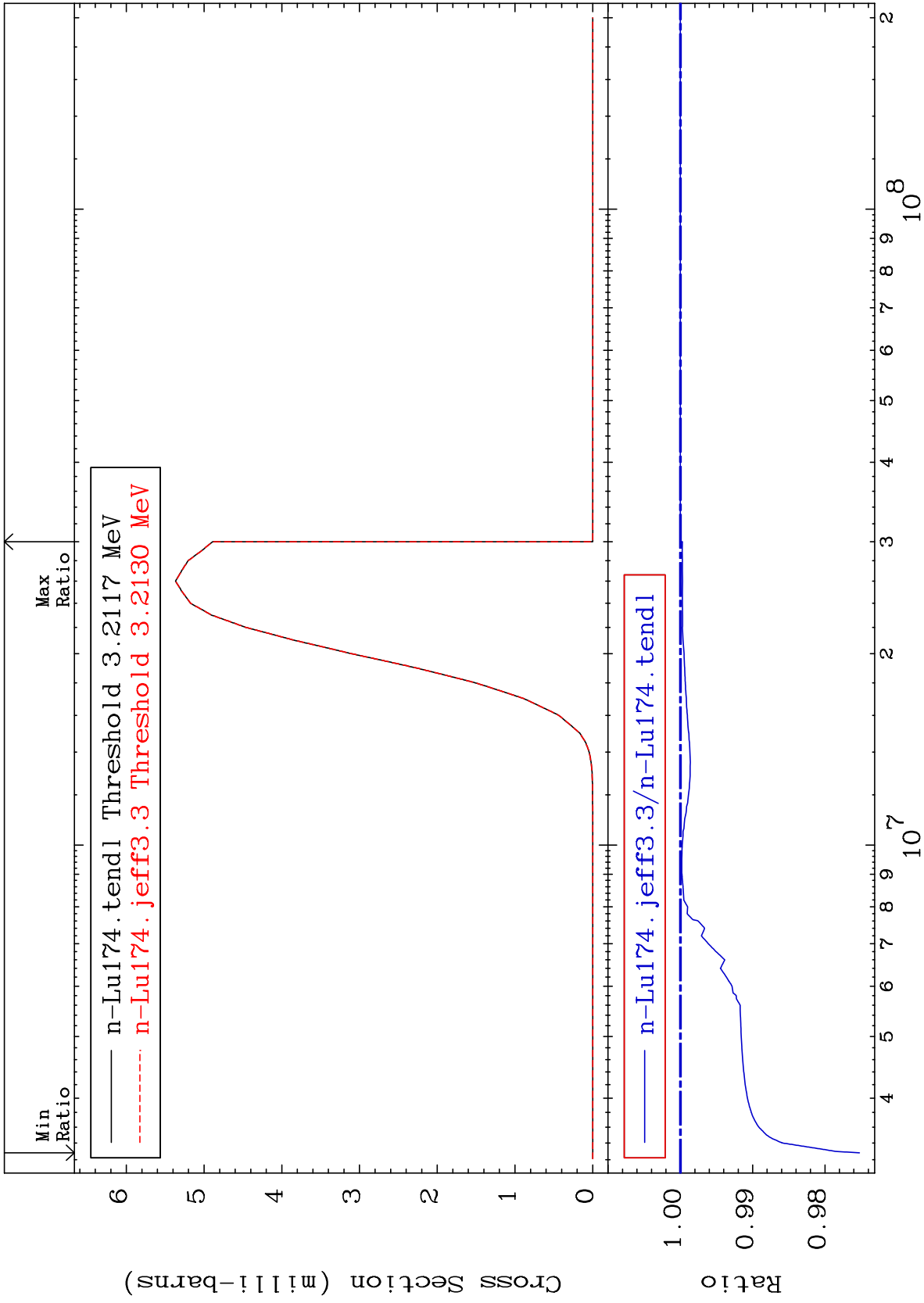


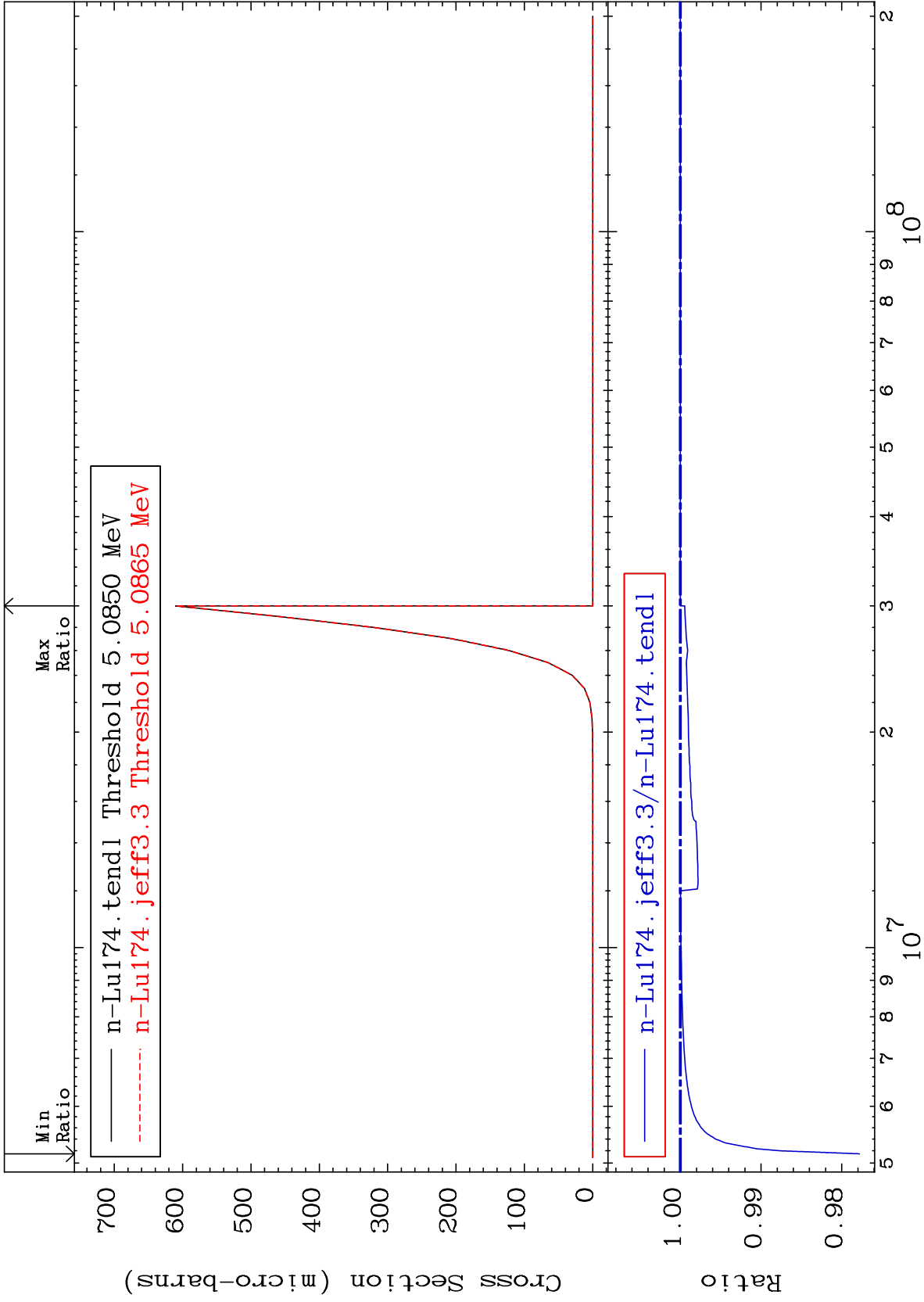
(n, d)
Cross Section
-2.072 To 0.012 %



MAT 7122

(n, t)
Cross Section
71-Lu-174
-2.477 To 0.000 %





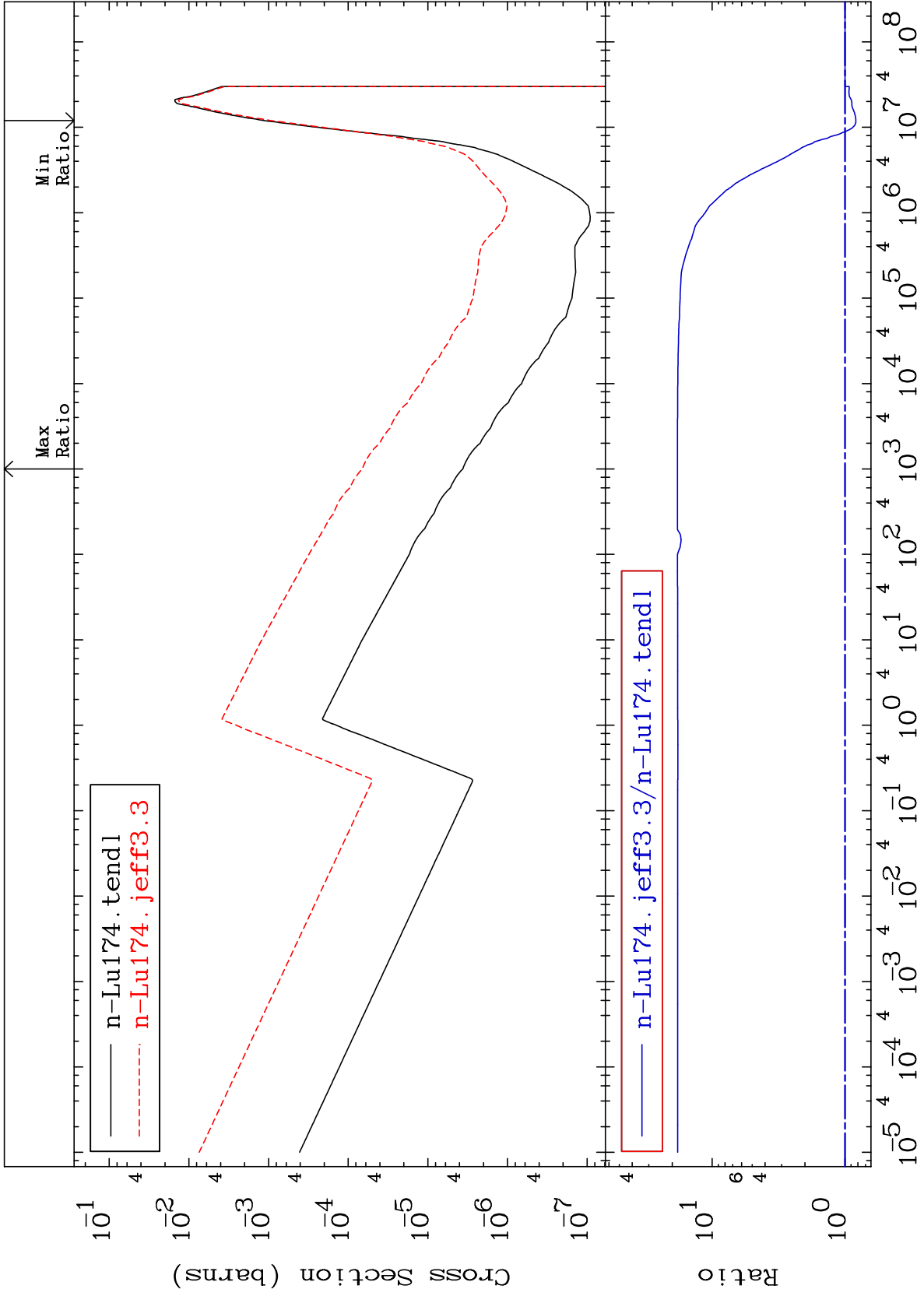
MAT 7122

(n, α)

71-Lu-174

Cross Section

-17.19 To 1726. %



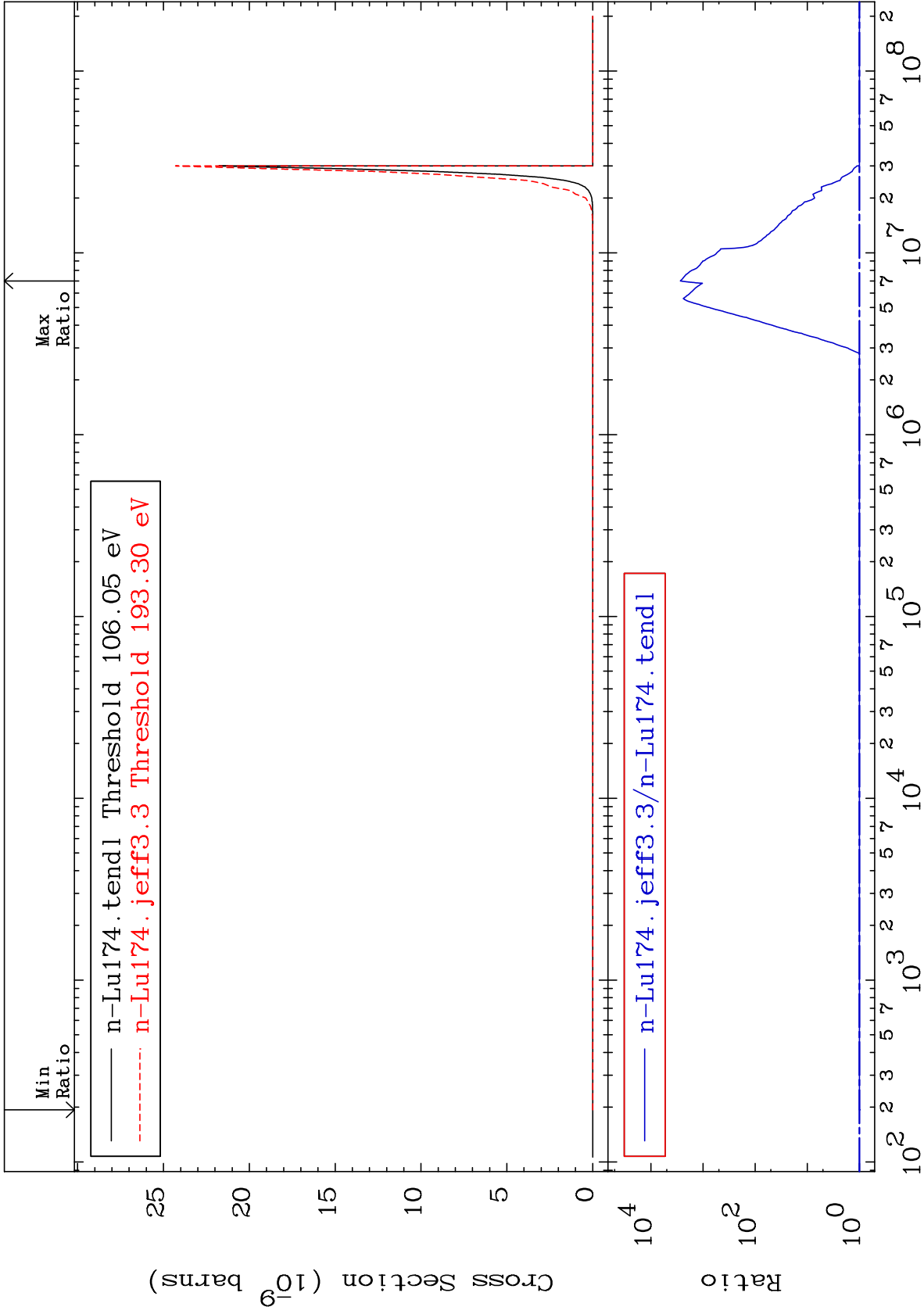
MAT 7122

(n,2α)

71-Lu-174

Cross Section

0.000 To 9999. %



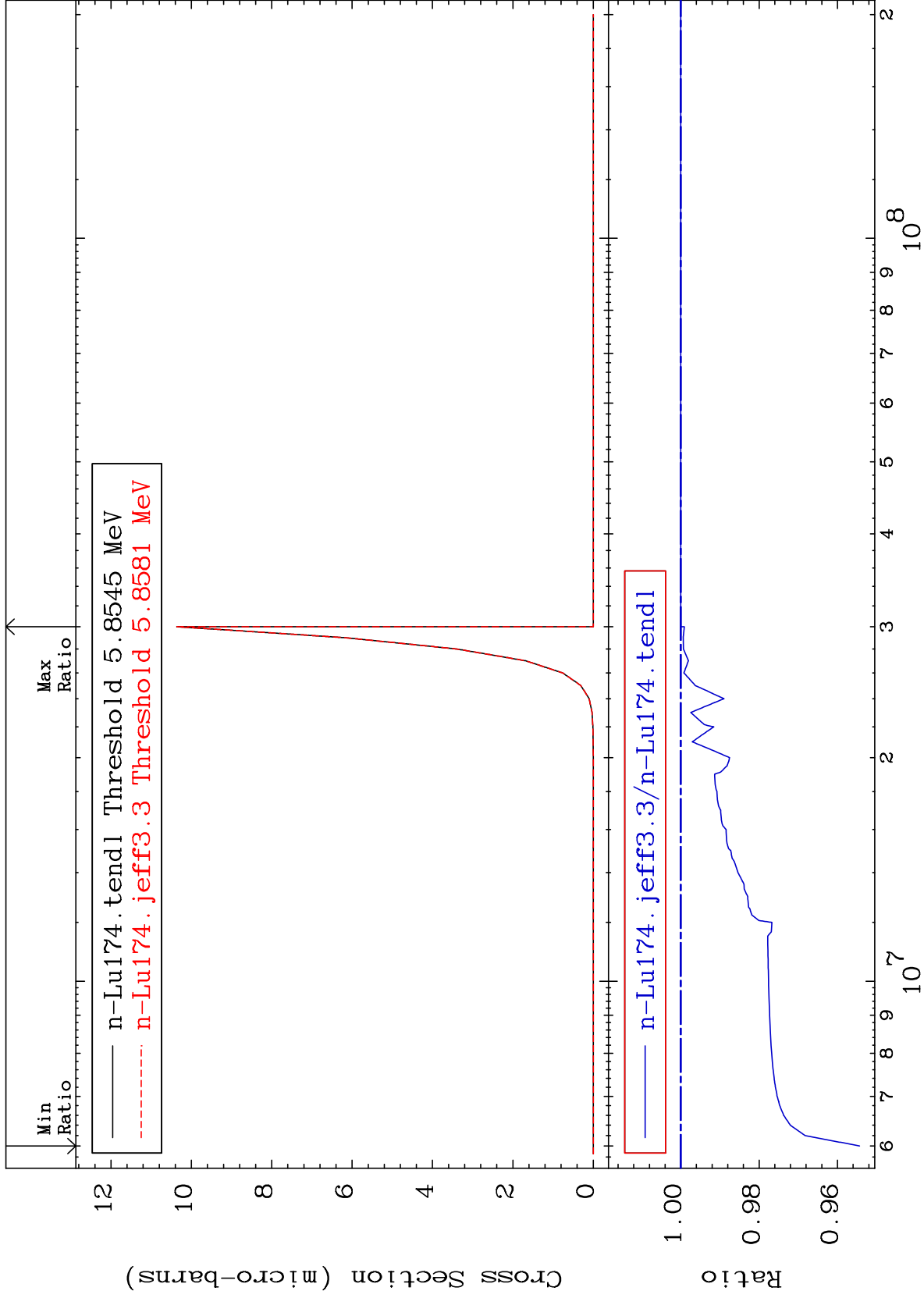
57

Incident Energy (eV)

71-Lu-174

Cross Section

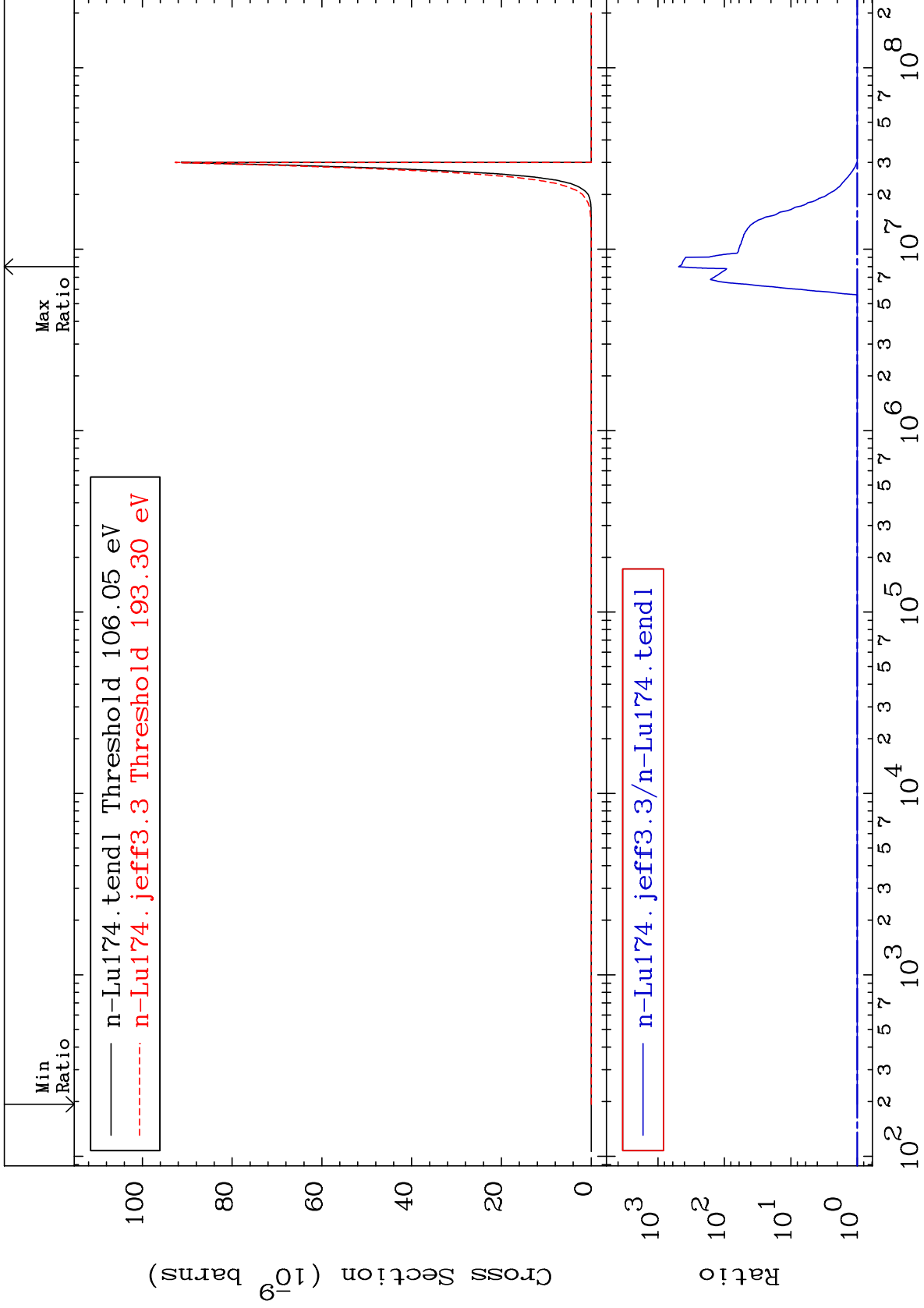
-4.563 To 0.000 %

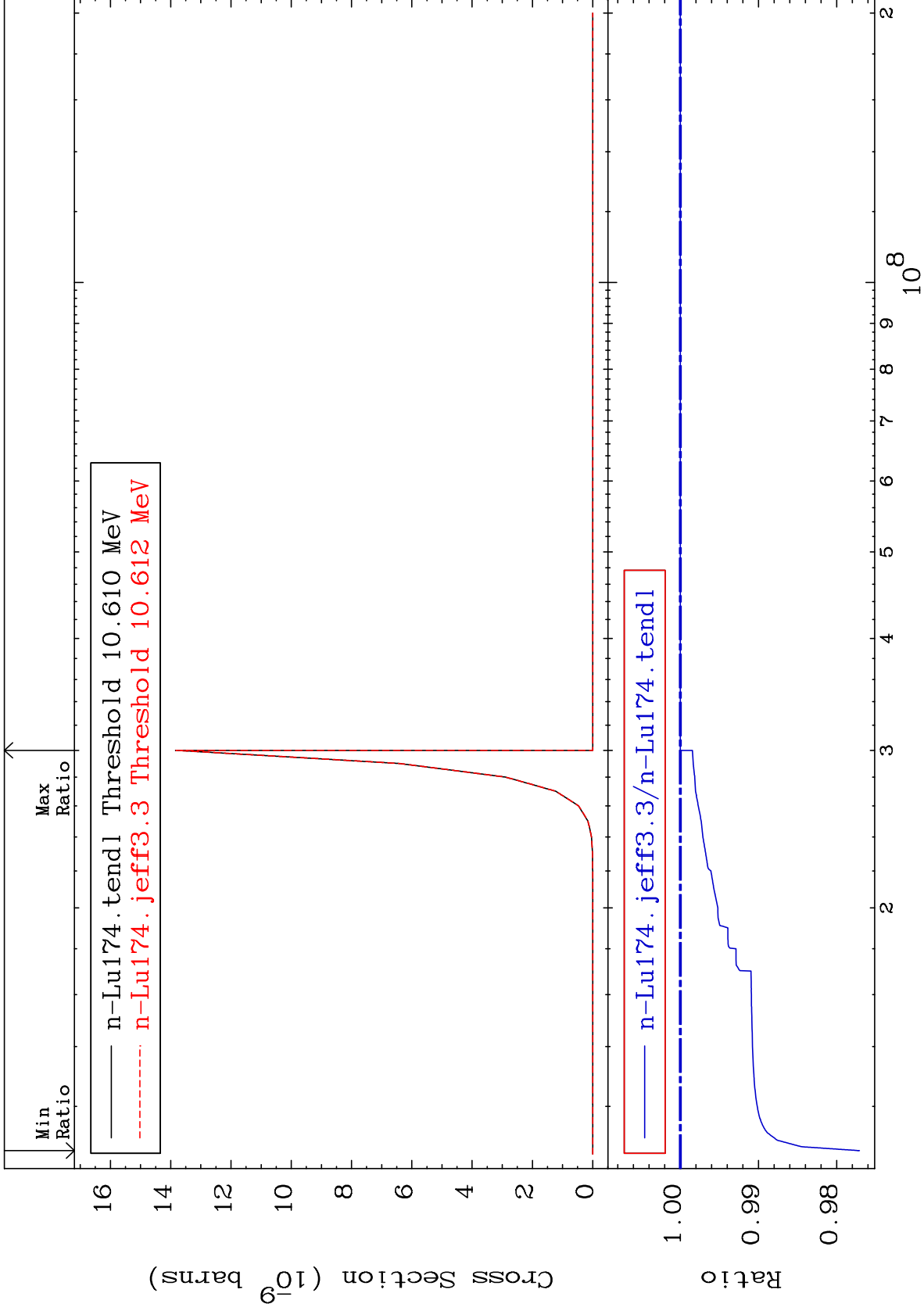


MAT 7122

(n,p) α
Cross Section

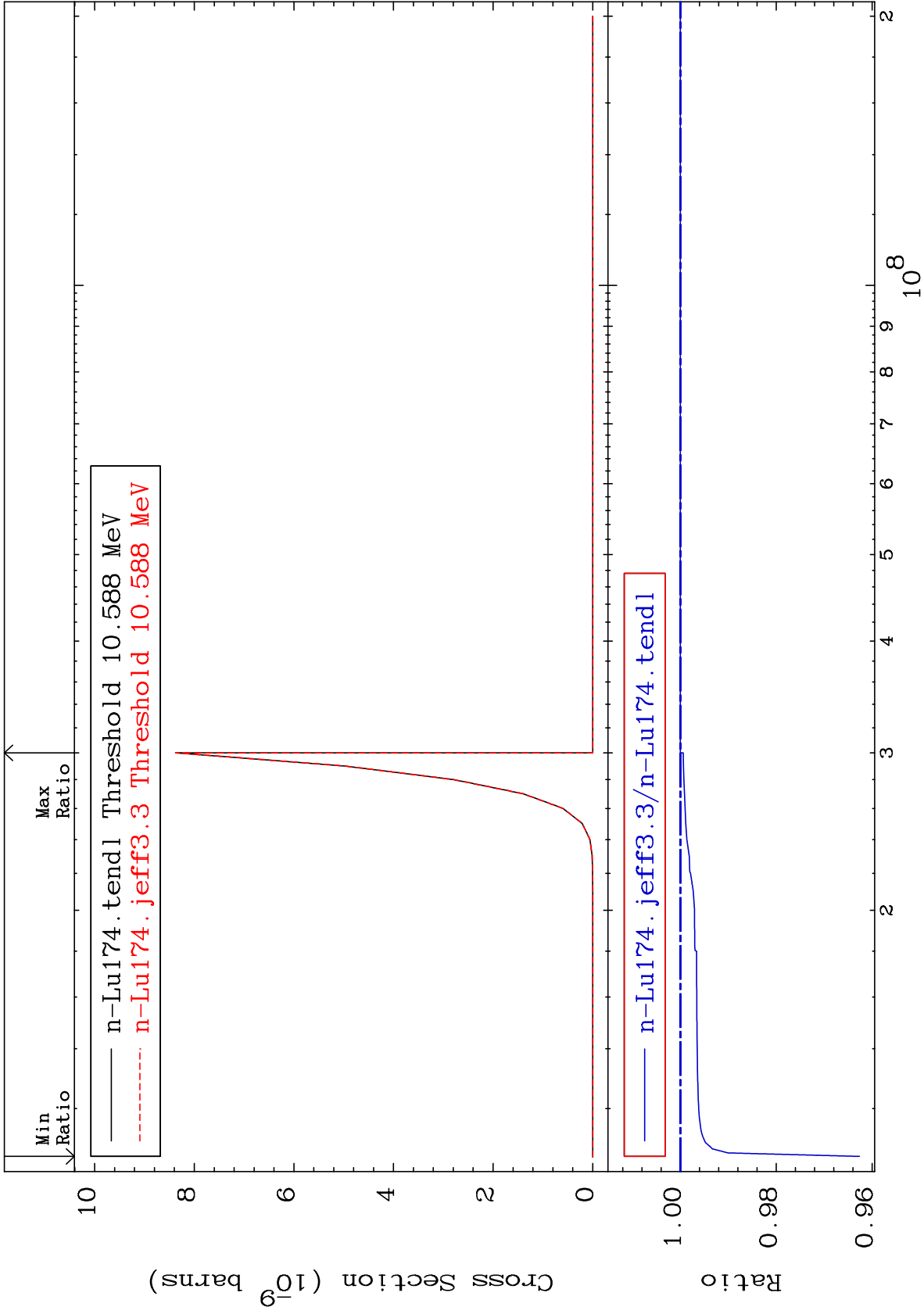
71-Lu-174
To 9999. %





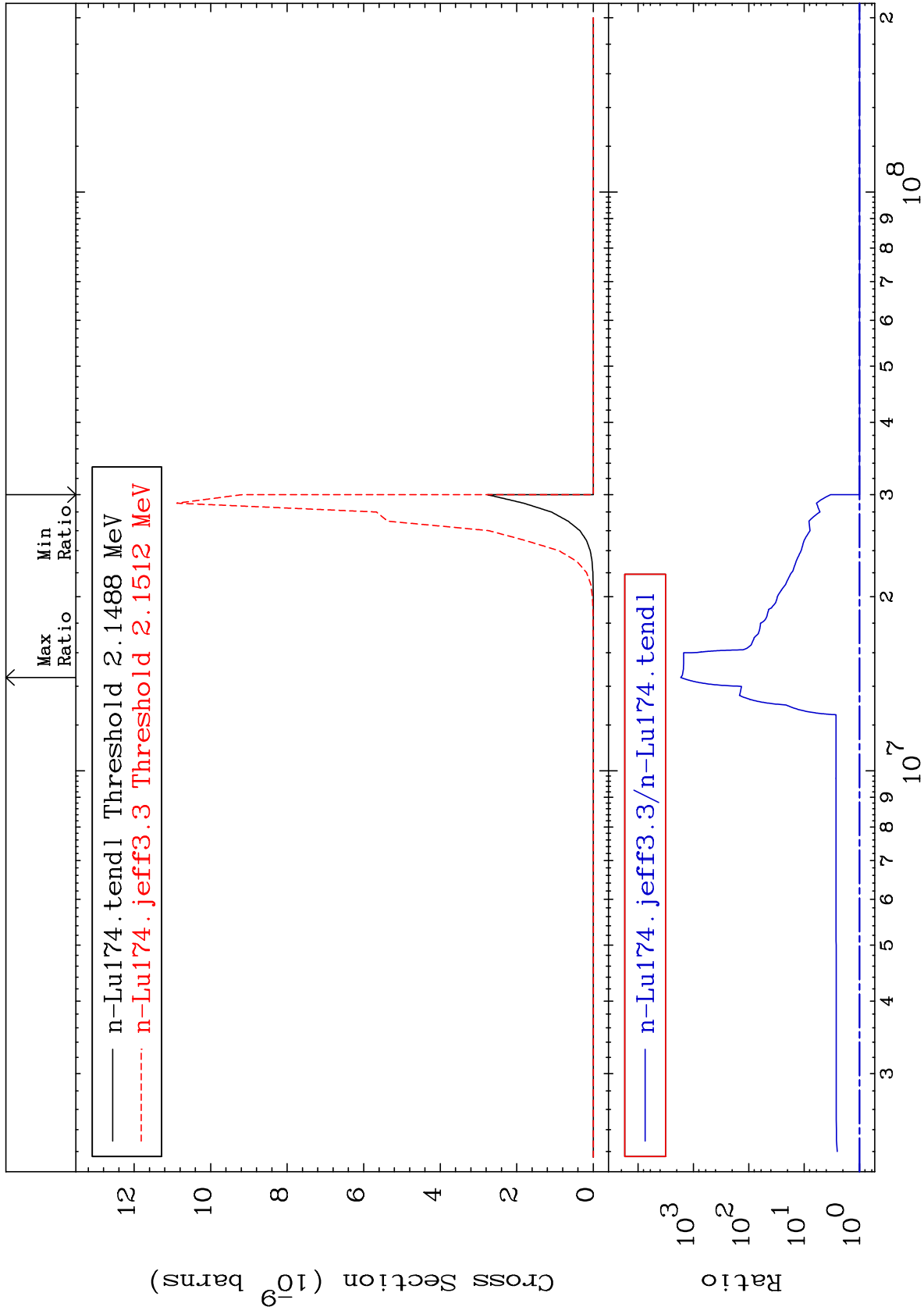
Cross Section

-3.734 To 0.000 %



MAT 7122

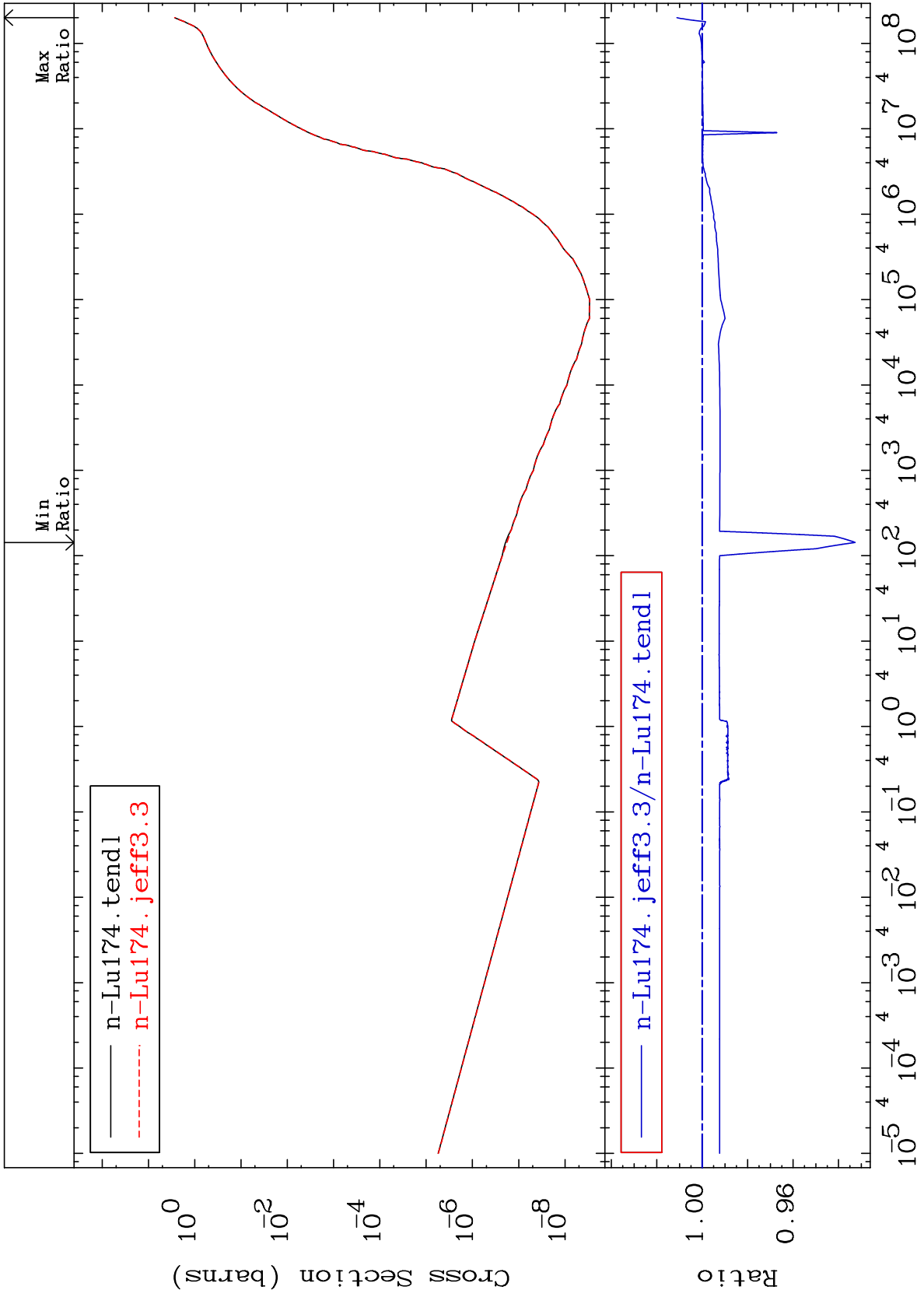
(n, d) α
Cross Section
71-Lu-174
To 9999. %
0.000



MAT 7122

Hydrogen Production
Cross Section

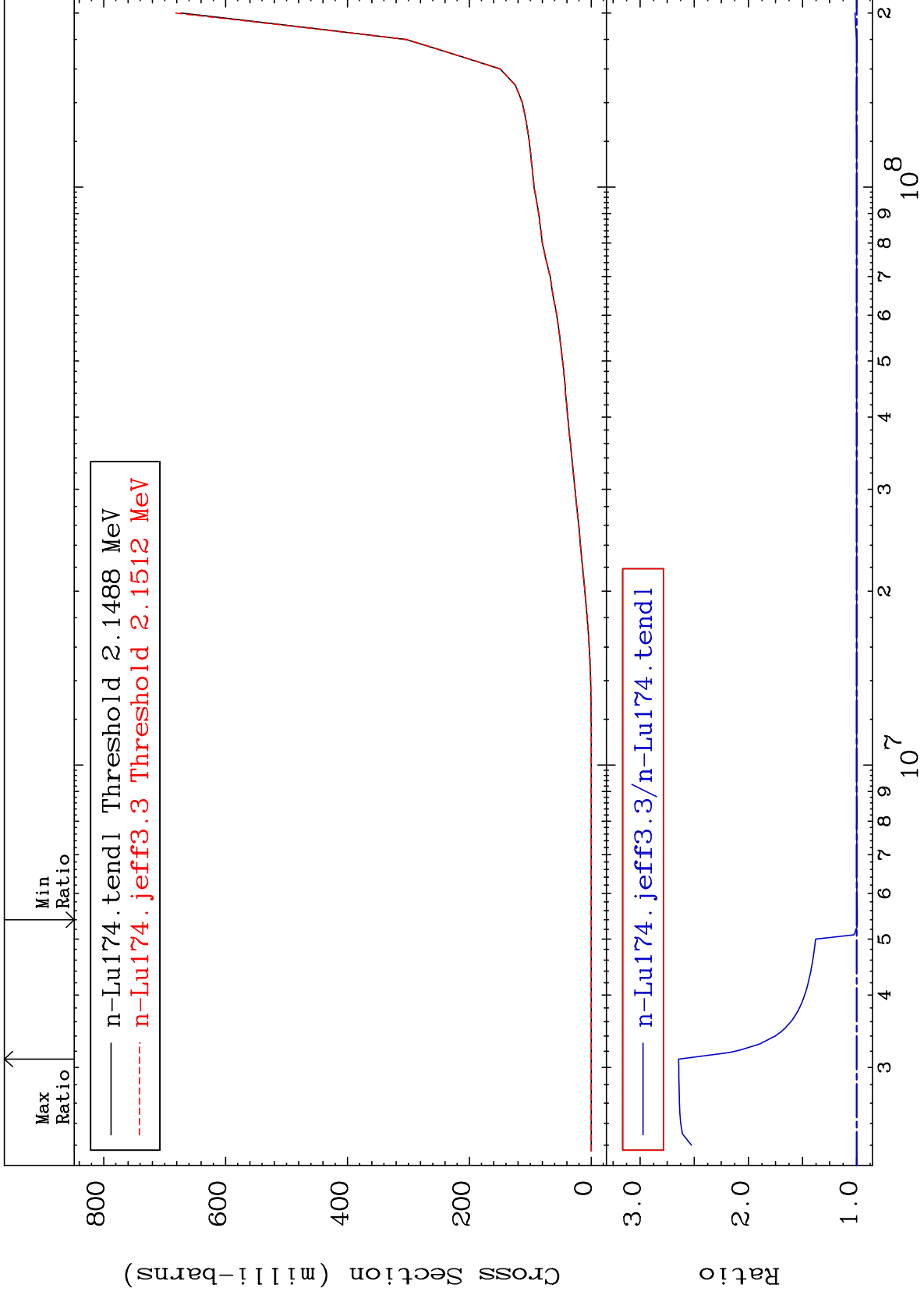
71-Lu-174
-6.727 To 1.115 %



MAT 7122

Deuterium Production
Cross Section

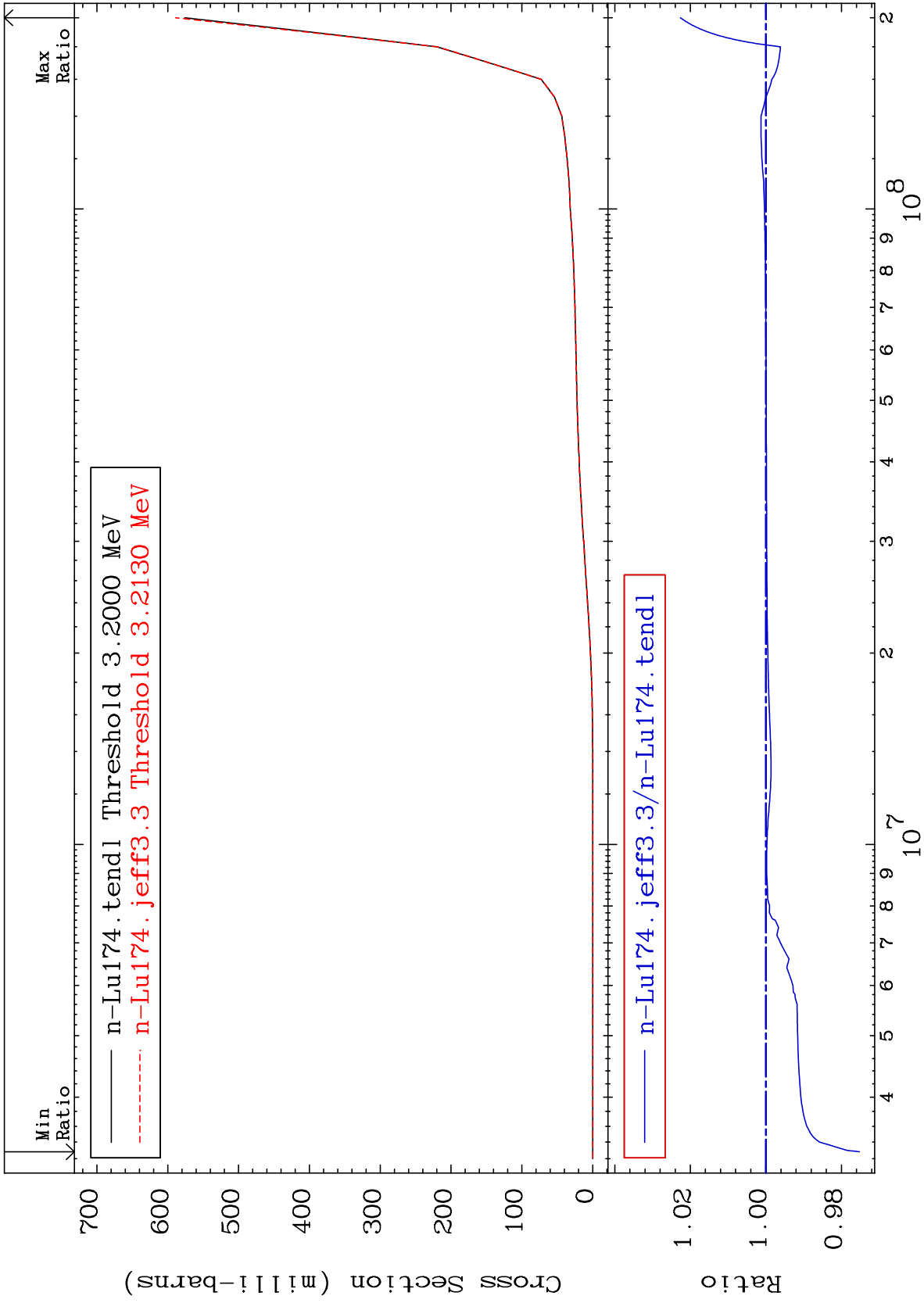
⁷¹Lu-¹⁷⁴
-0.625 To 164.4 %



MAT 7122

Tritium Production
Cross Section

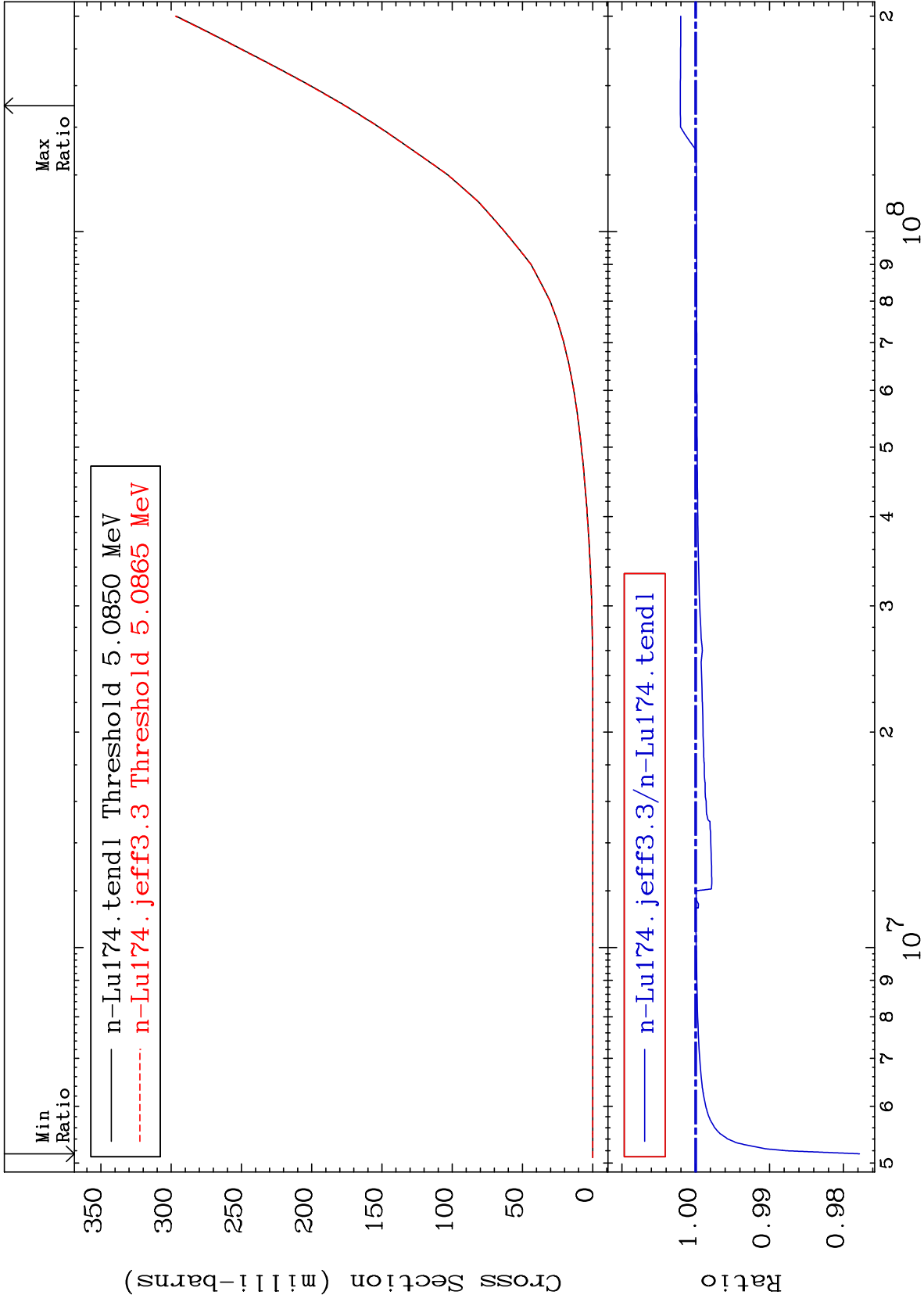
71-Lu-174
-2.477 To 2.264 %



MAT 7122

He-3 Production
Cross Section

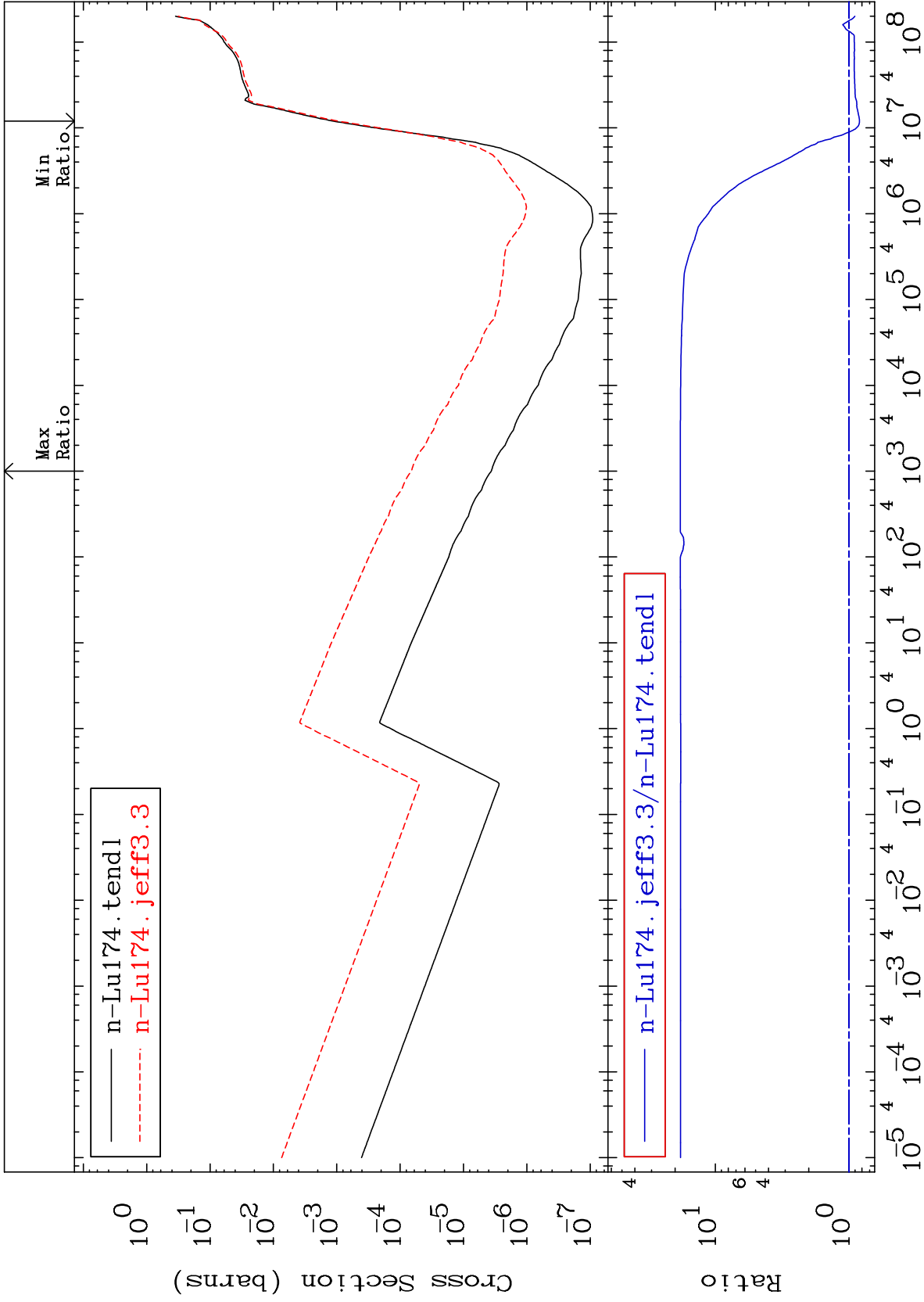
71-Lu-174
-2.219 To 0.207 %

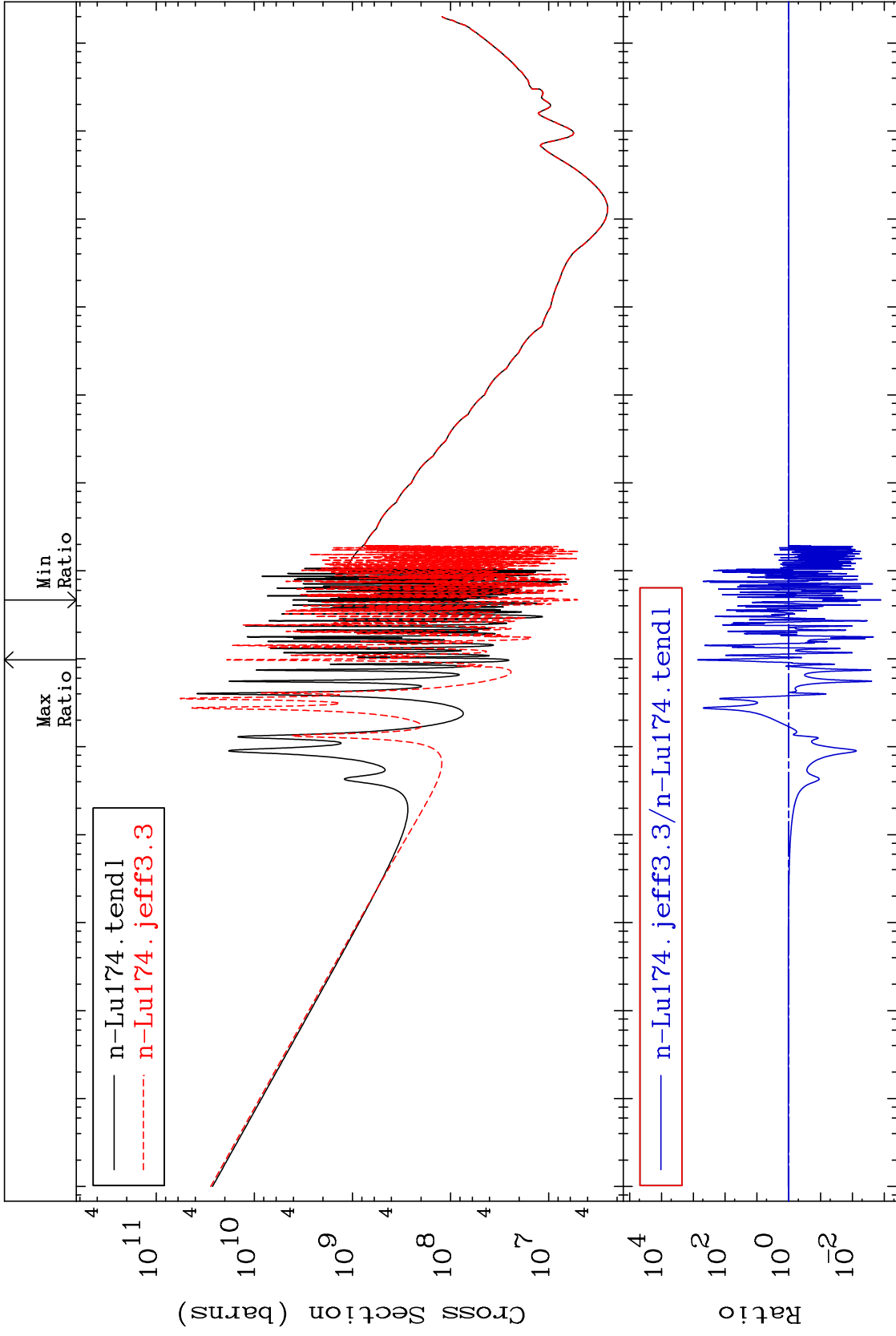


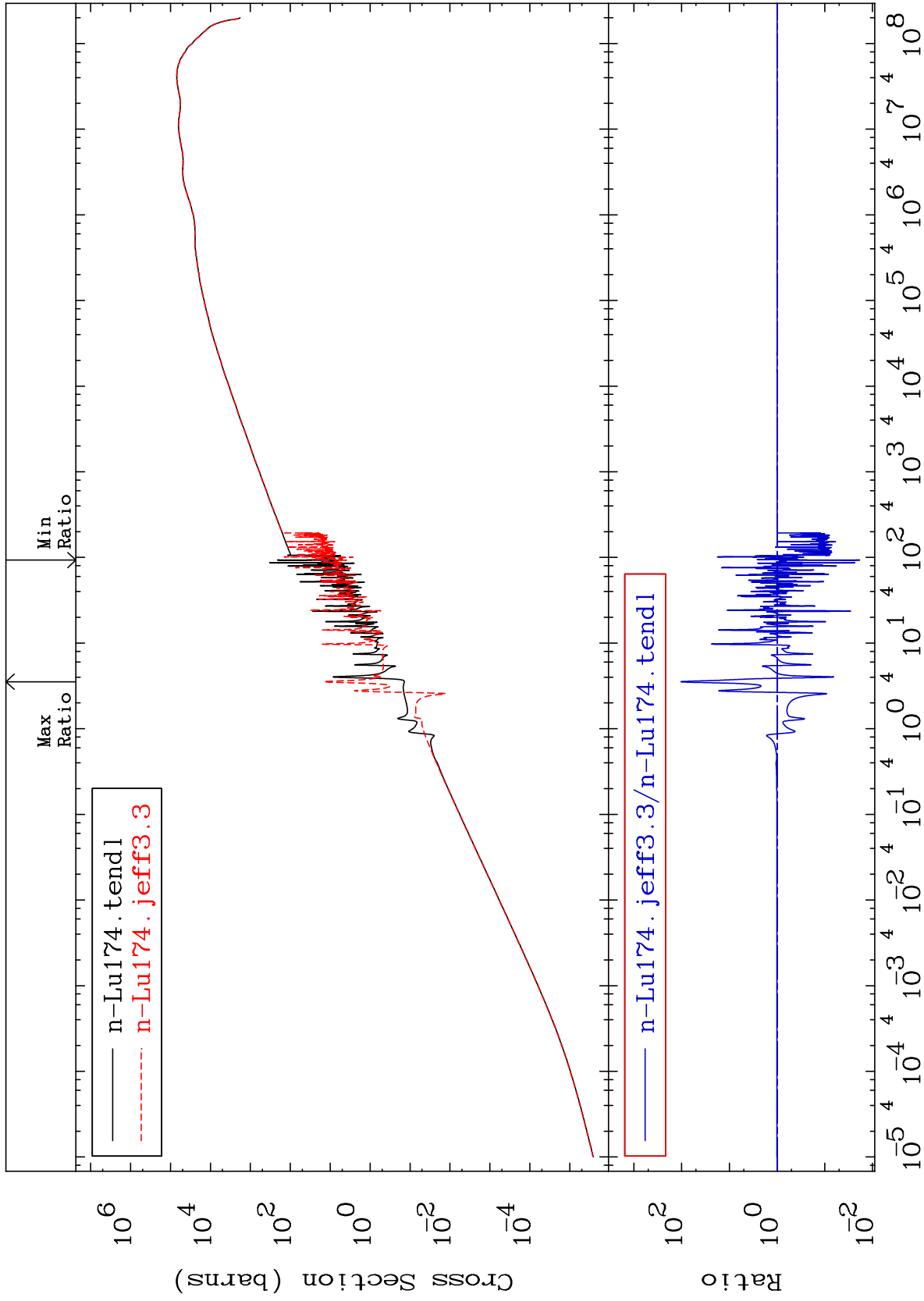
66

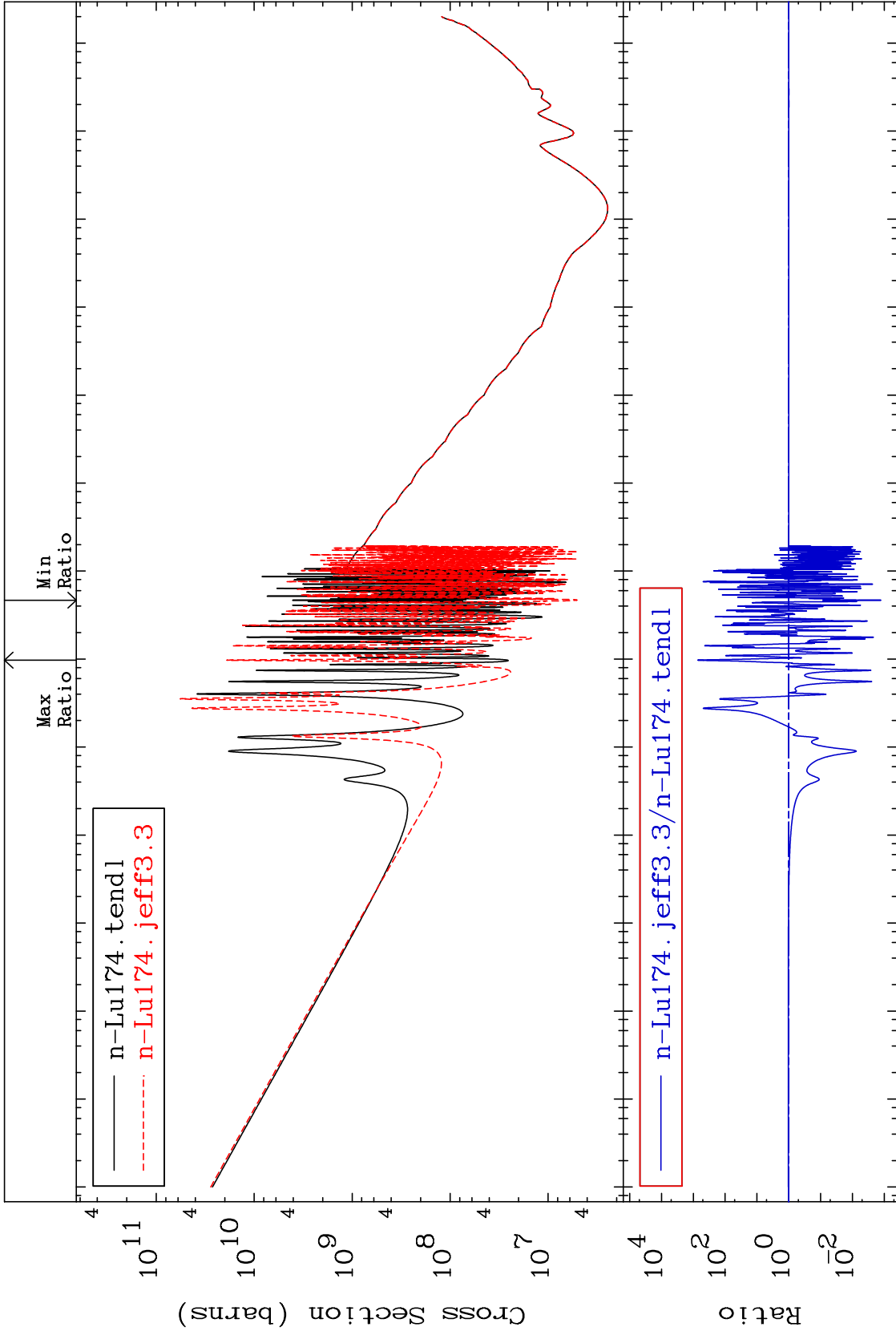
Incident Energy (eV)

71-Lu-174





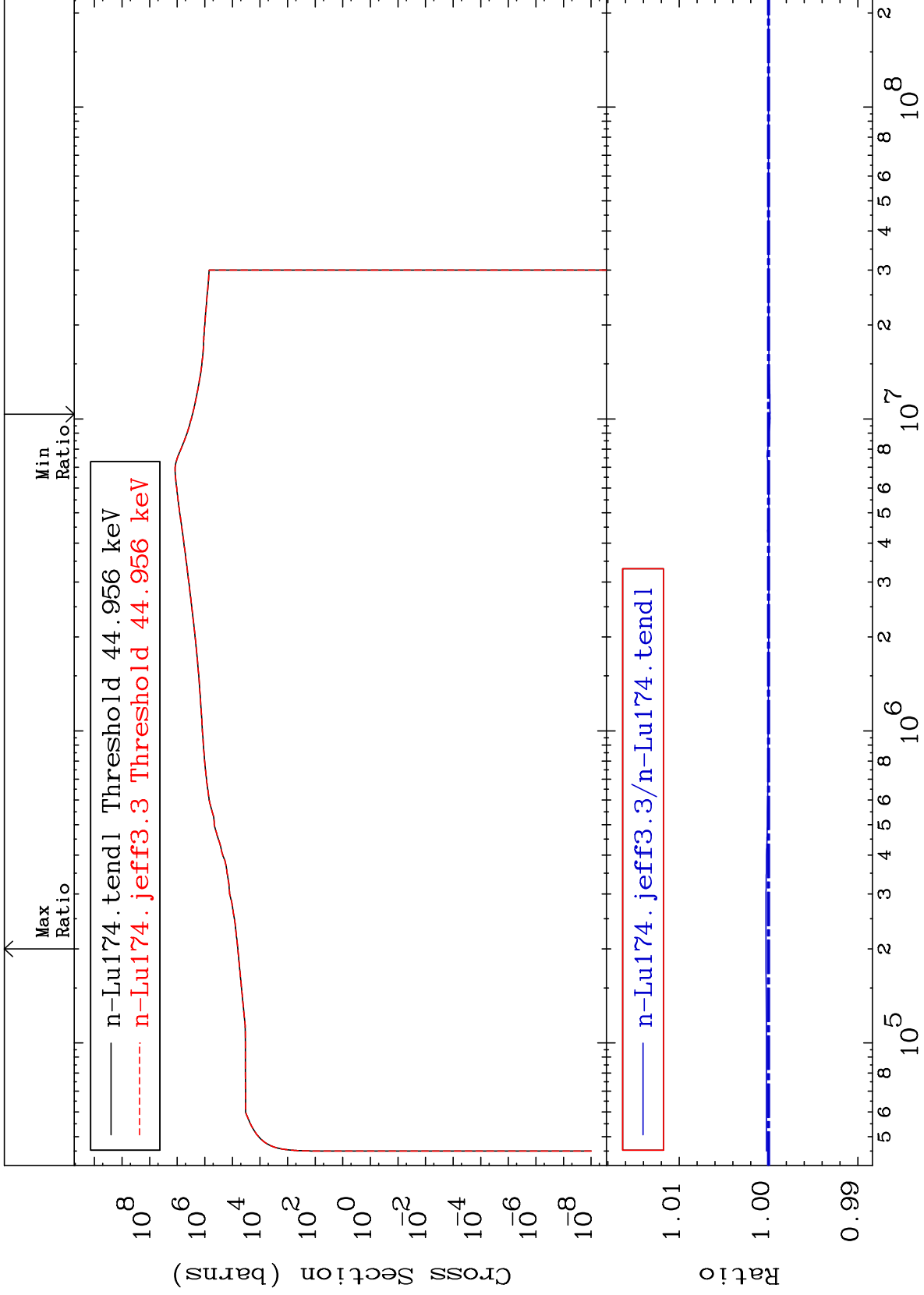




MAT 7122

Kerma inelastic (mt51-91)
Cross Section

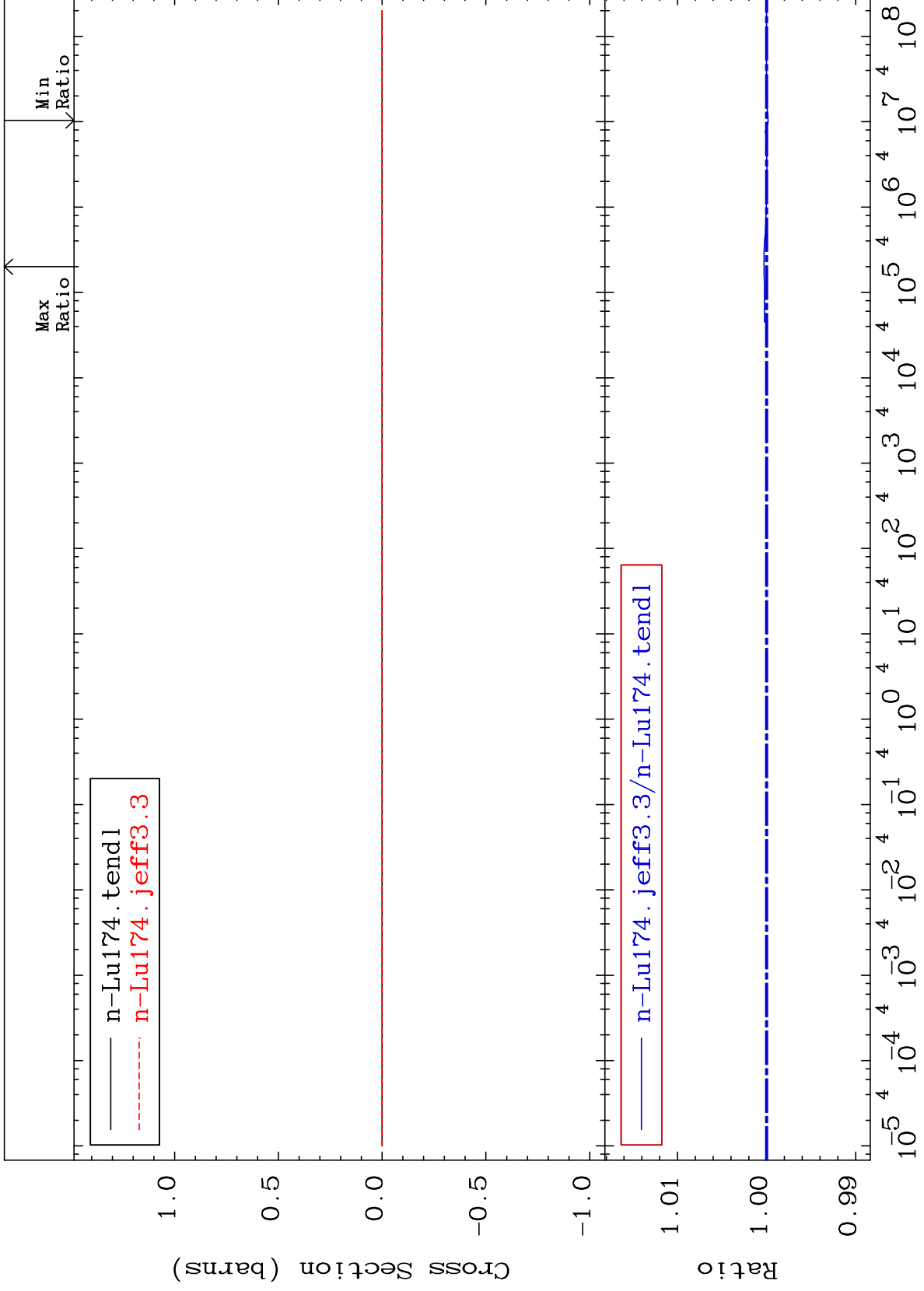
71-Lu-174
-0.017 To 0.030 %



MAT 7122

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

71-Lu-174
-0.017 To 0.030 %



72

Incident Energy (eV)

71-Lu-174

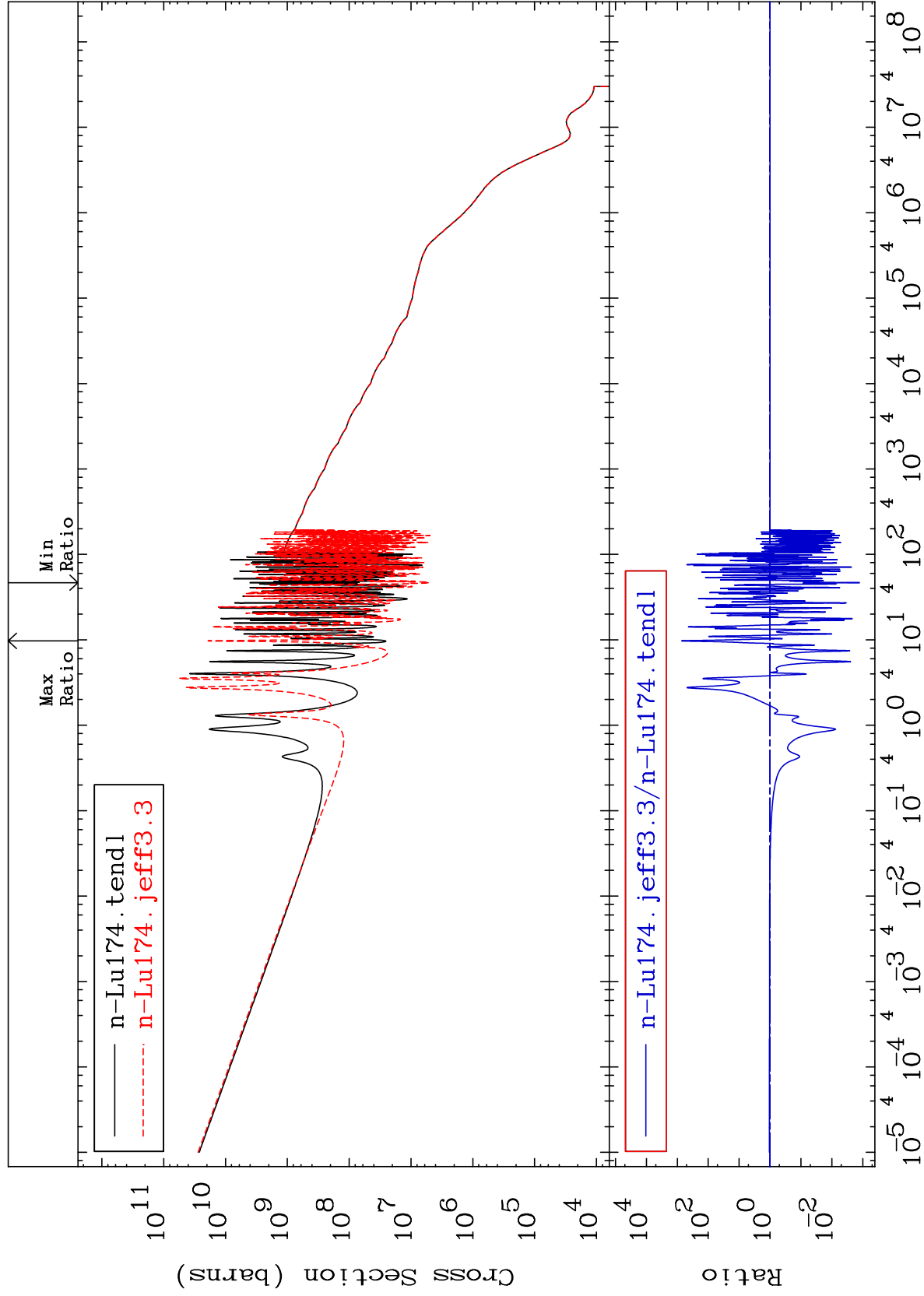
MAT 7122

Kerma capture (mt102)

71-Lu-174

-99.87 To 9999. %

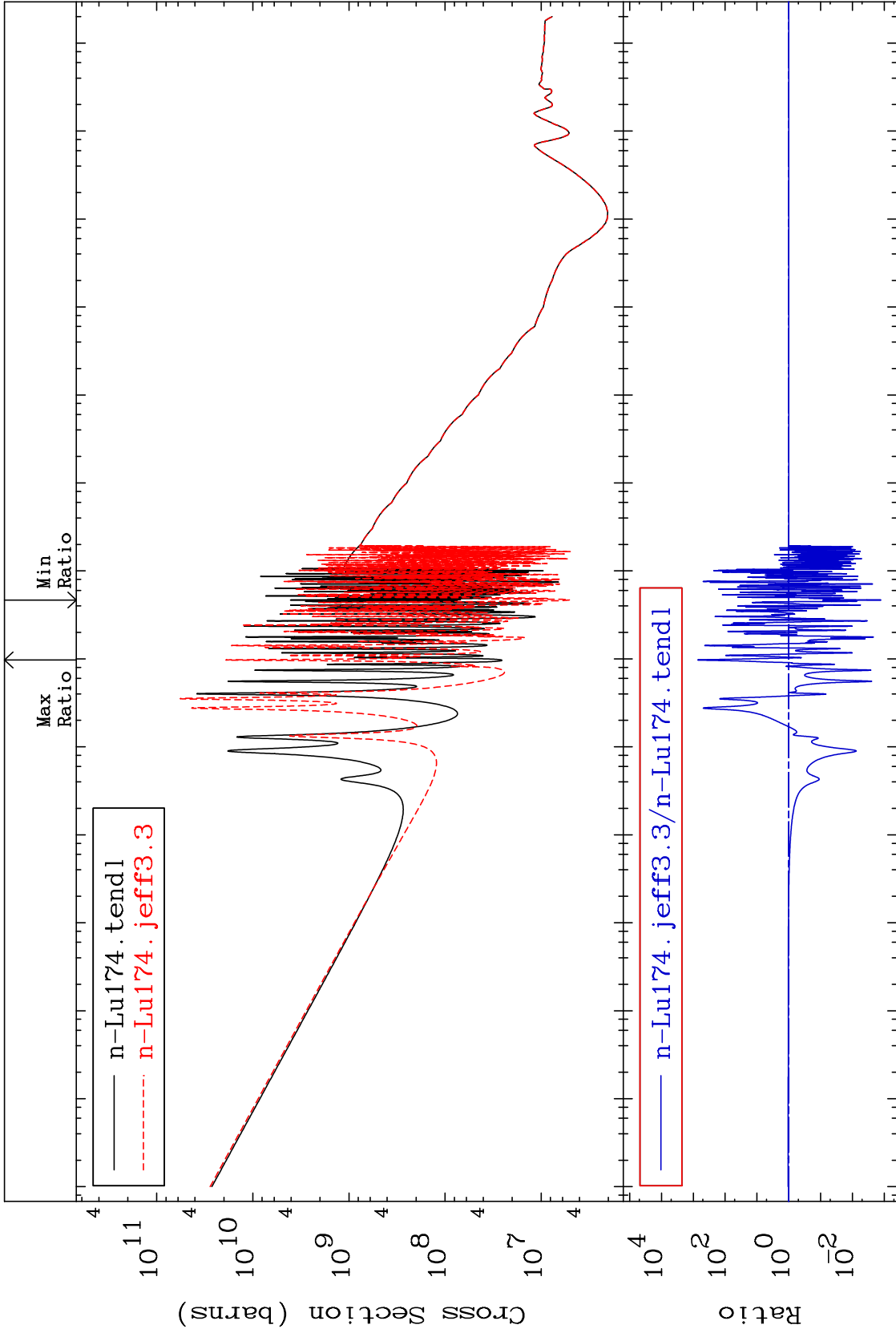
Cross Section

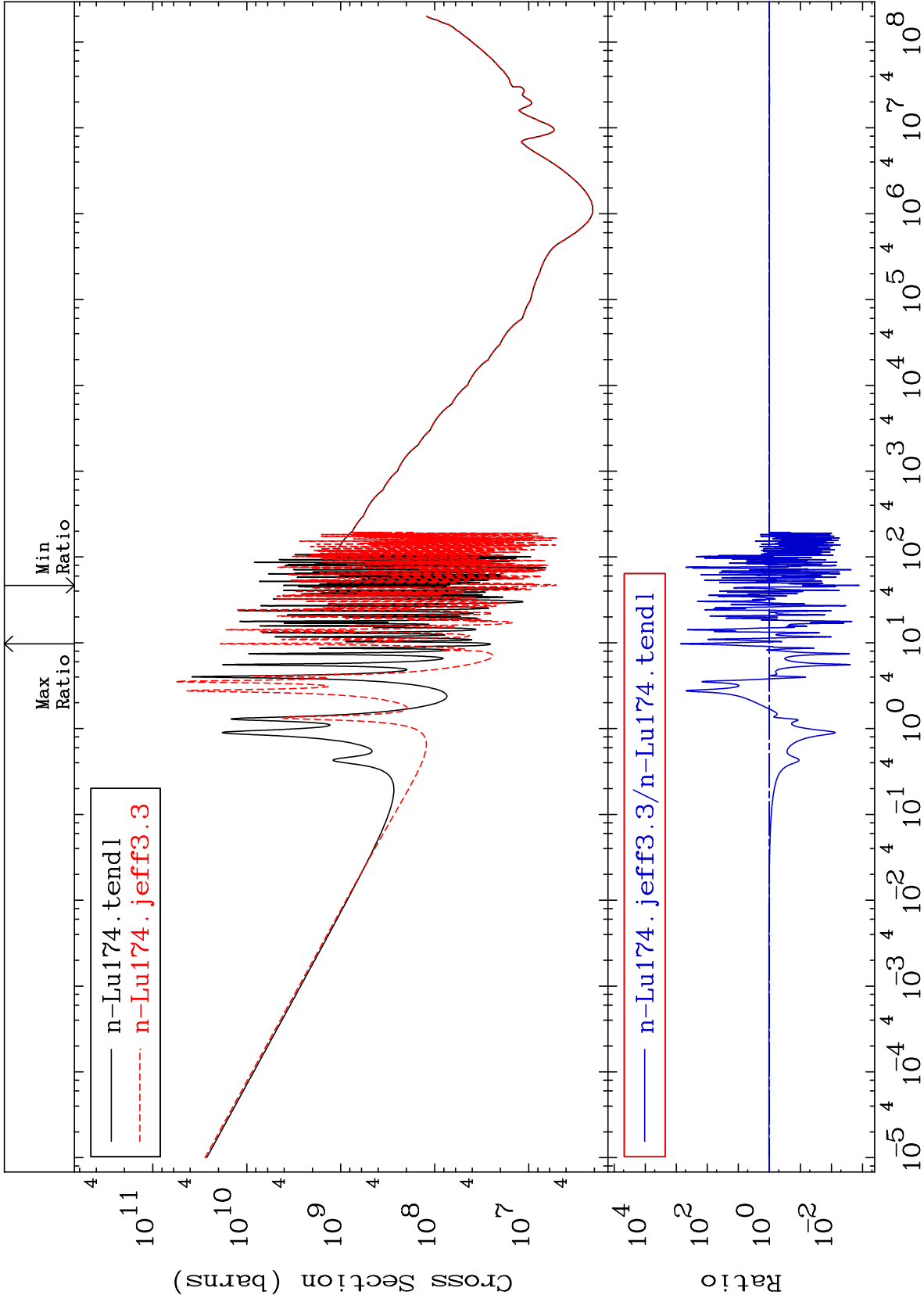


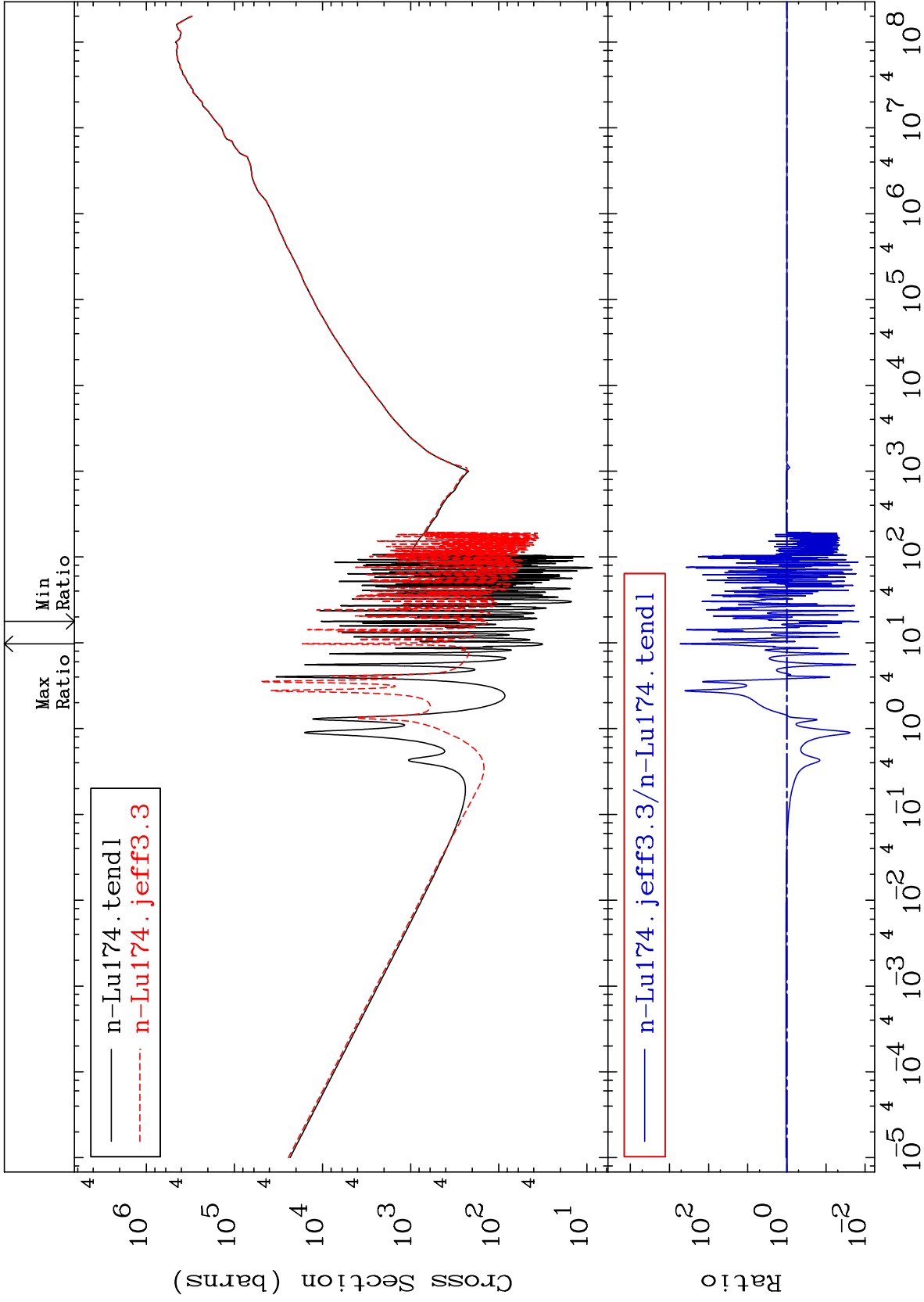
73

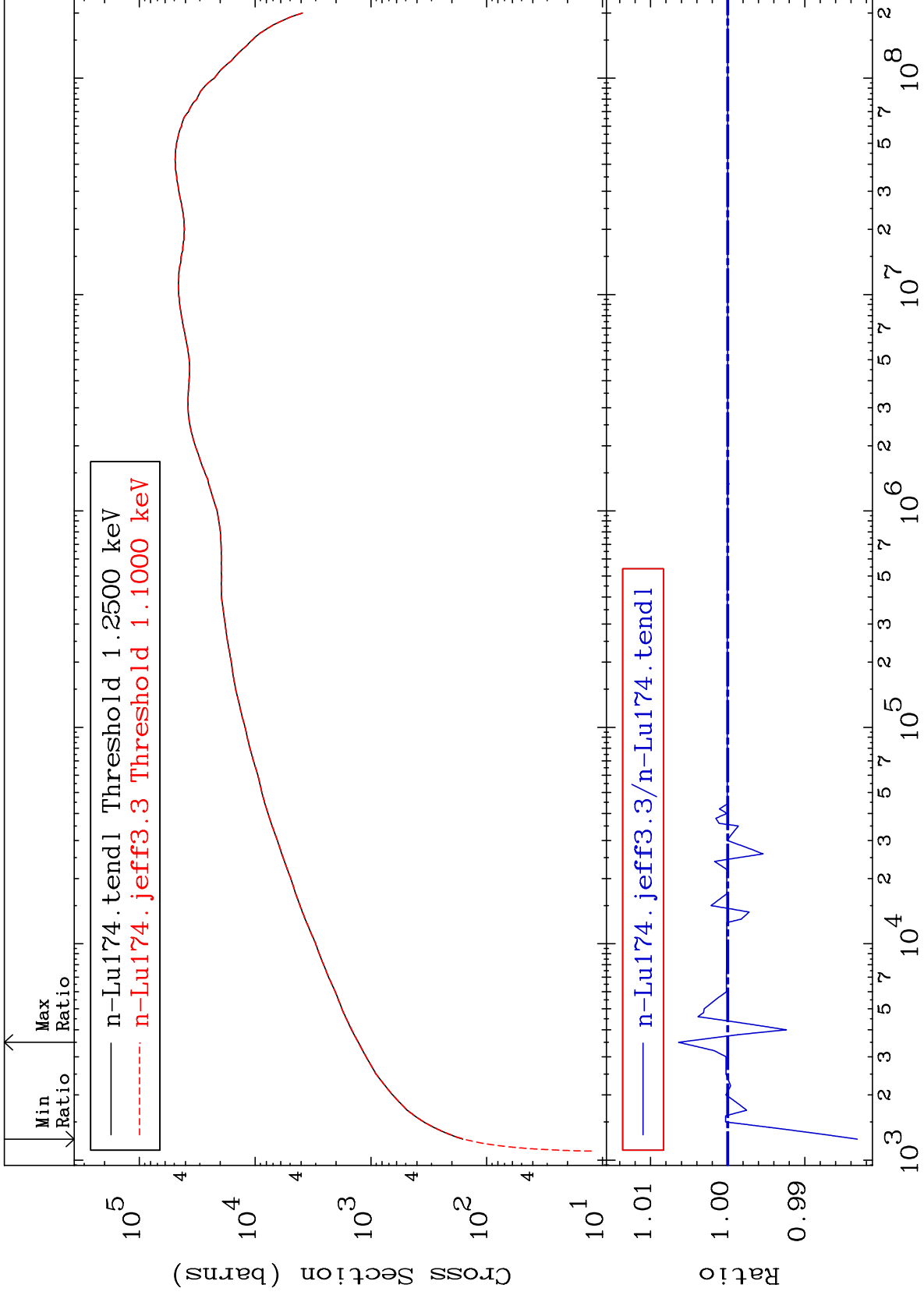
Incident Energy (eV)

71-Lu-174





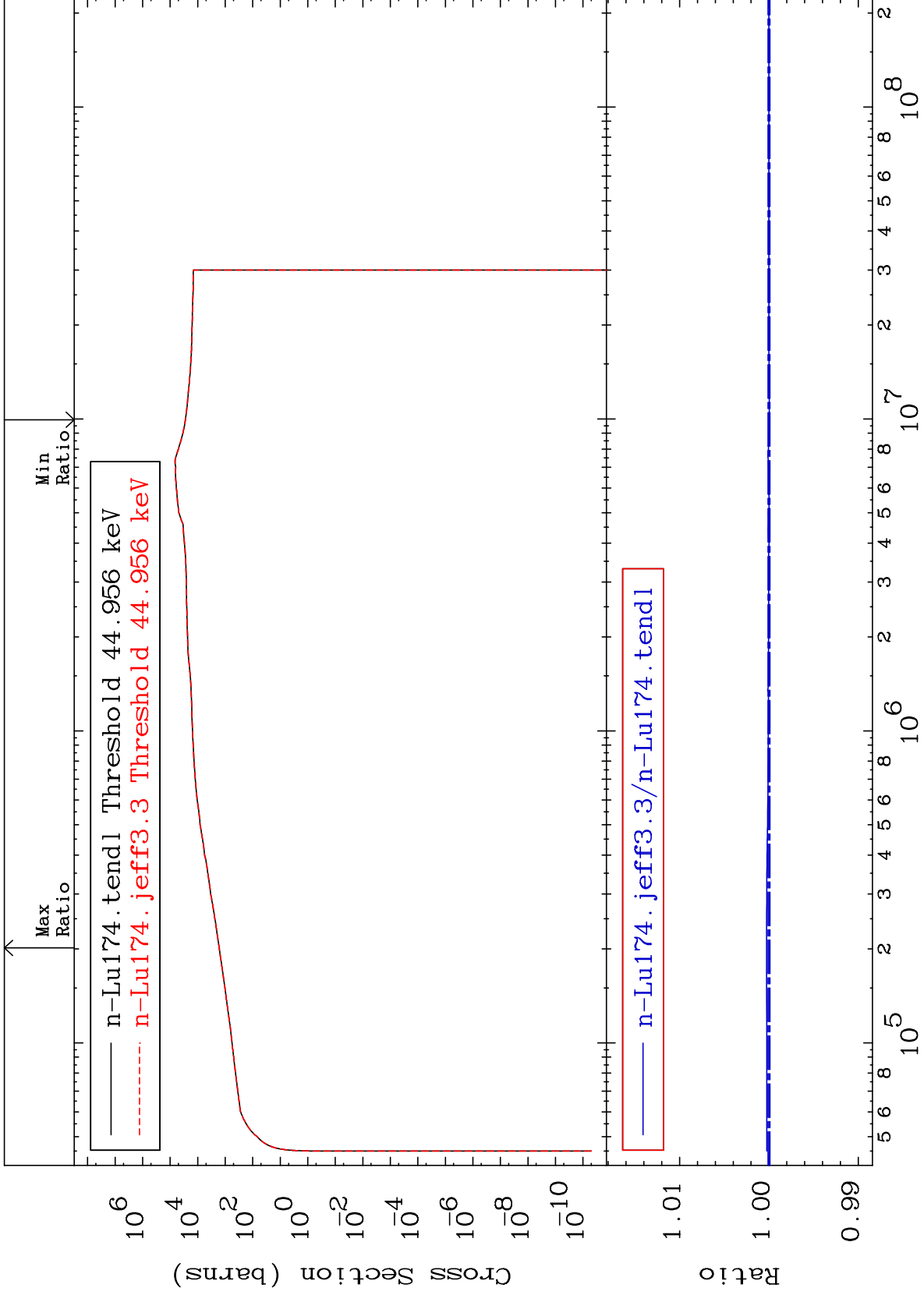


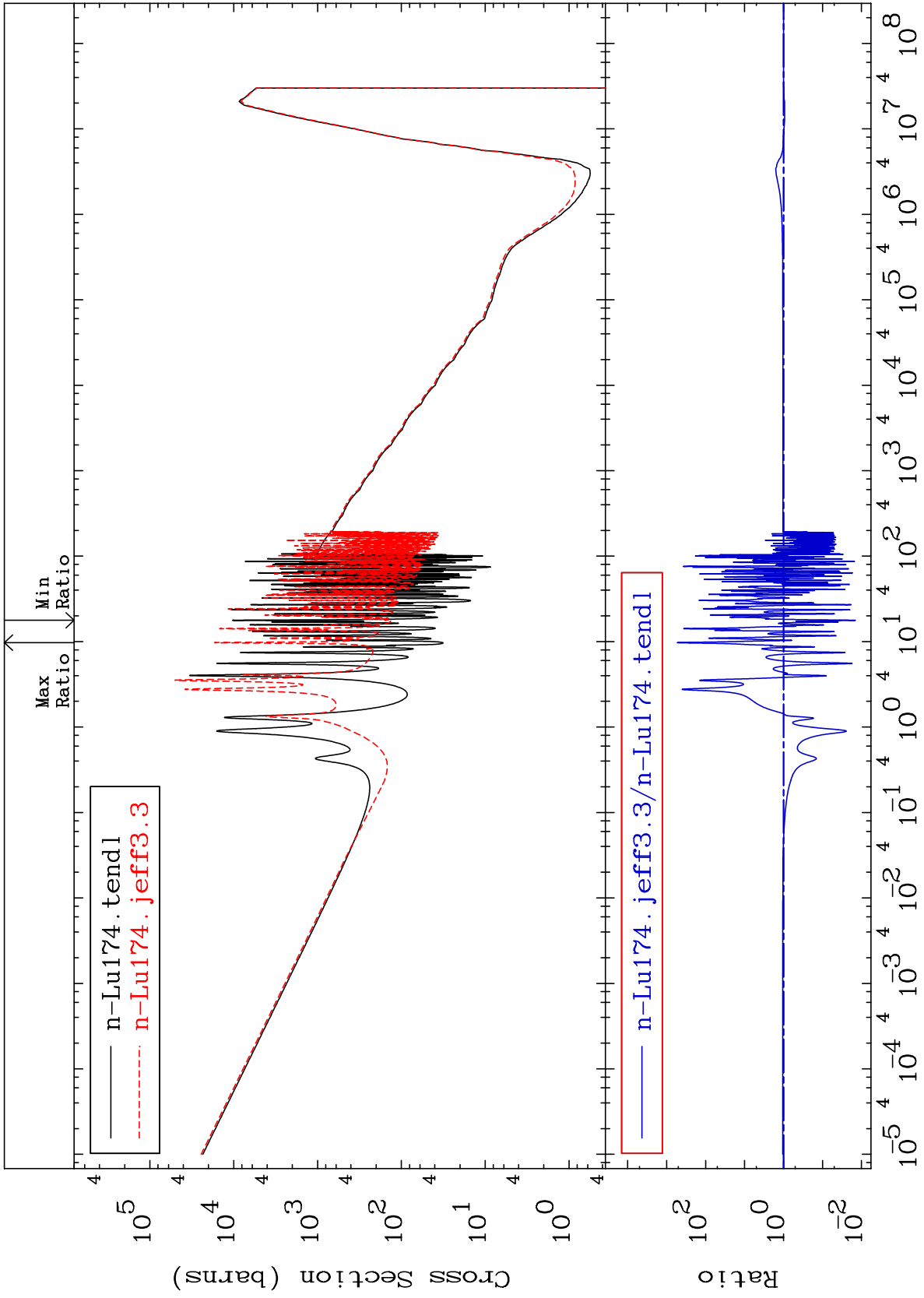


MAT 7122

Dpa inelastic (mt51-91)
Cross Section

71-Lu-174
-0.005 To 0.027 %



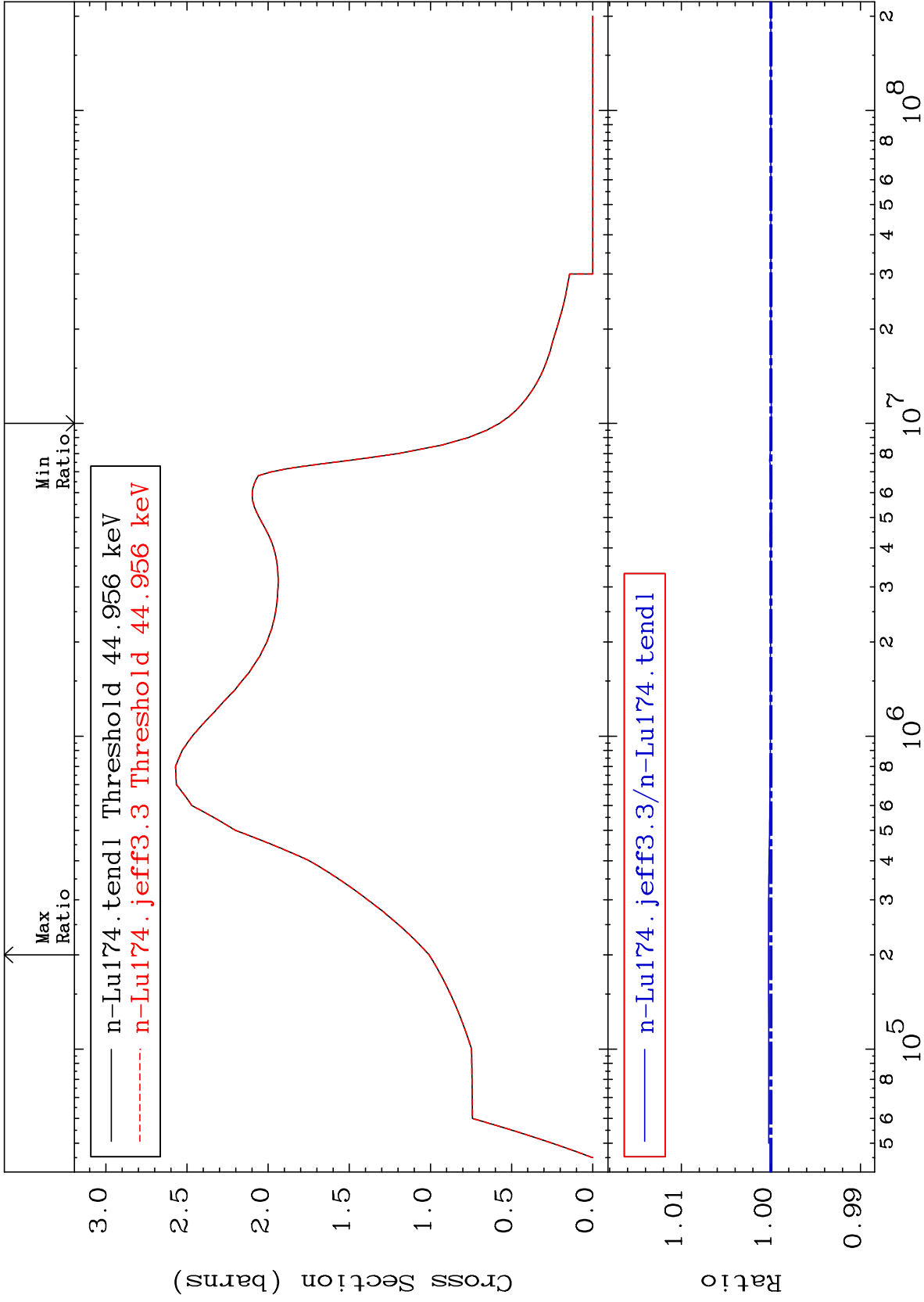


MAT 7122

Inelastic: 71-Lu-174g

71-Lu-174

Radionuclide Production Cross Section -0.005 To 0.027 %



80

Incident Energy (eV)

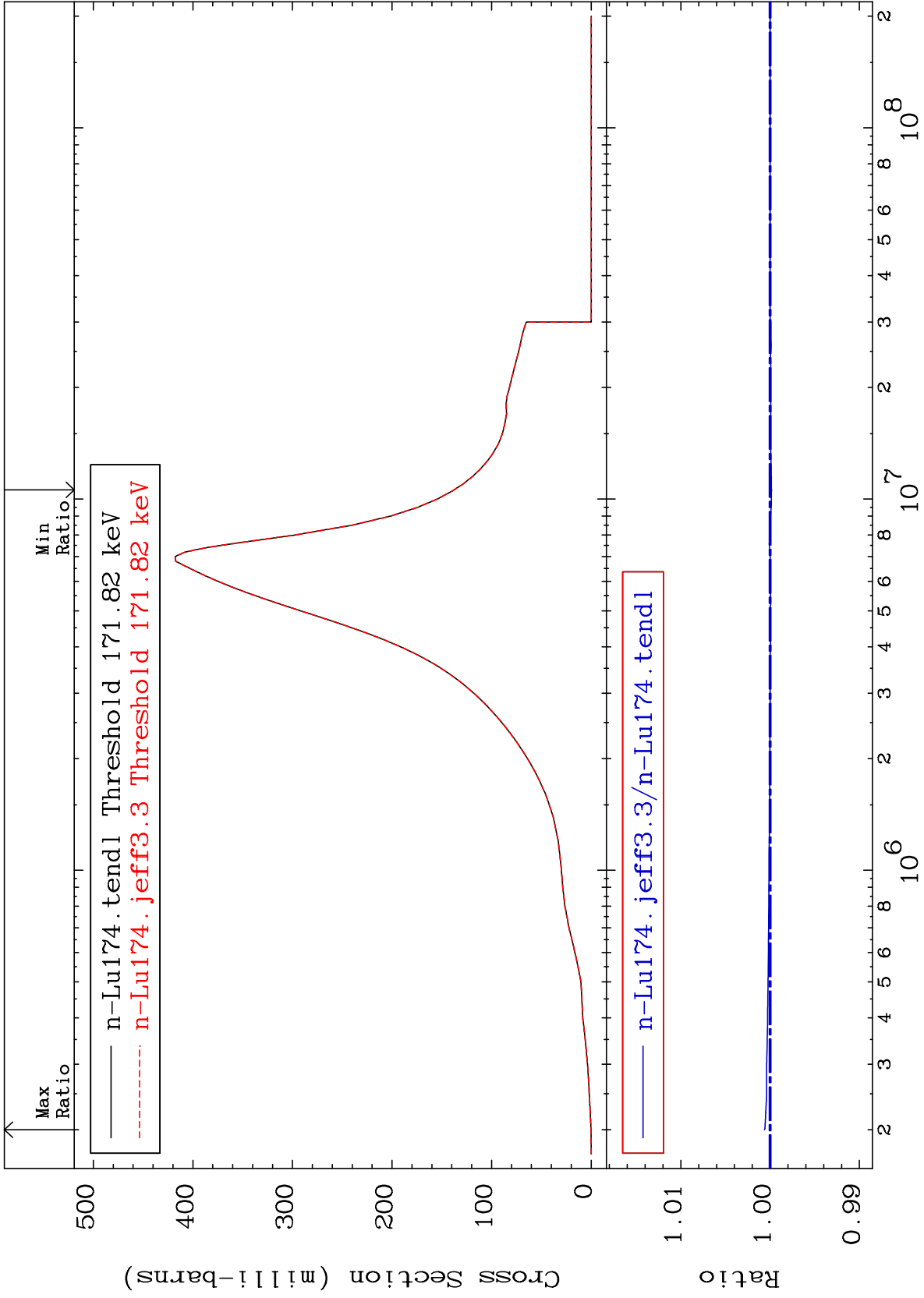
71-Lu-174

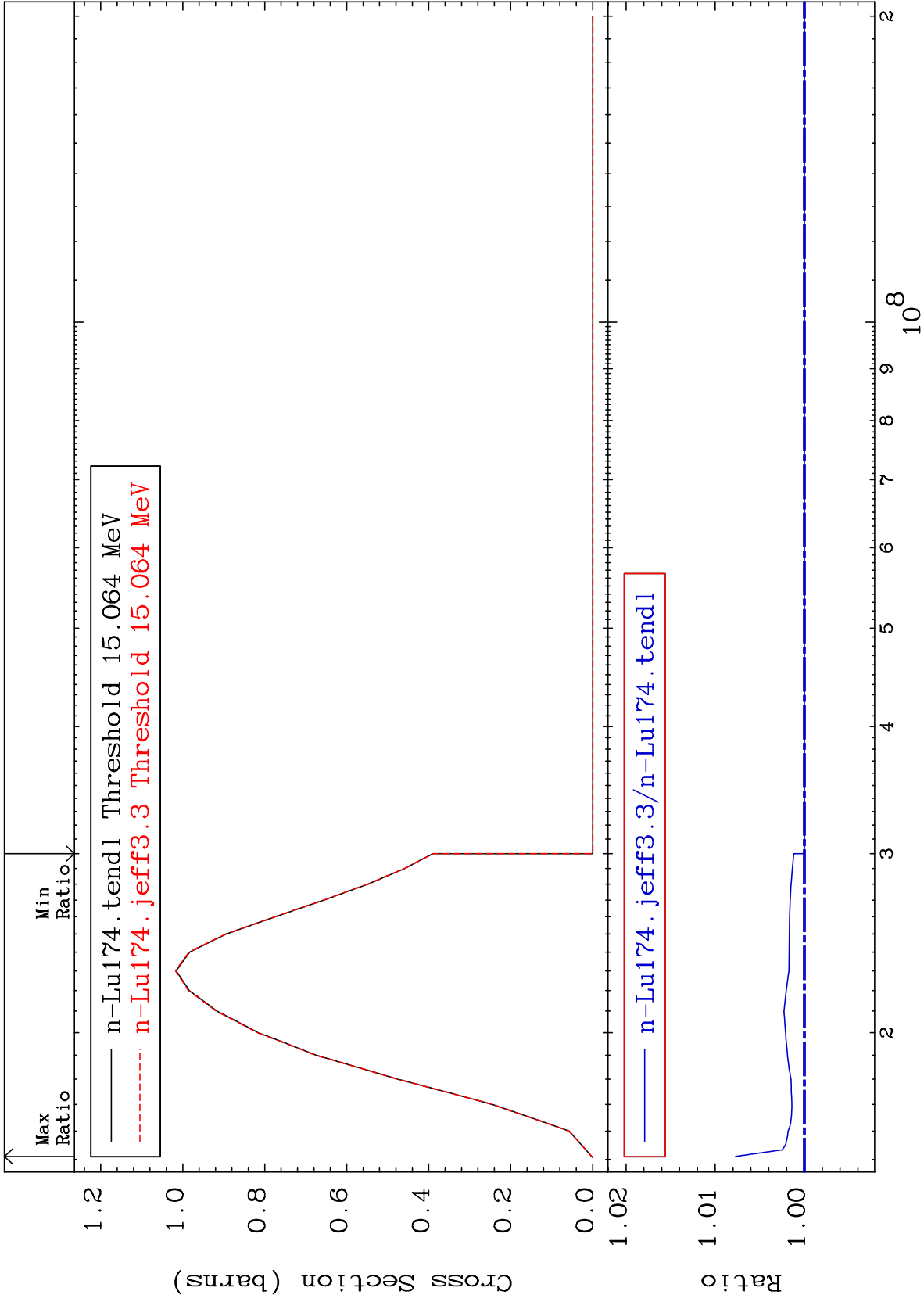
MAT 7122

Inelastic: 71-Lu-174m3

71-Lu-174

Radionuclide Production Cross Section -0.015 To 0.064 %



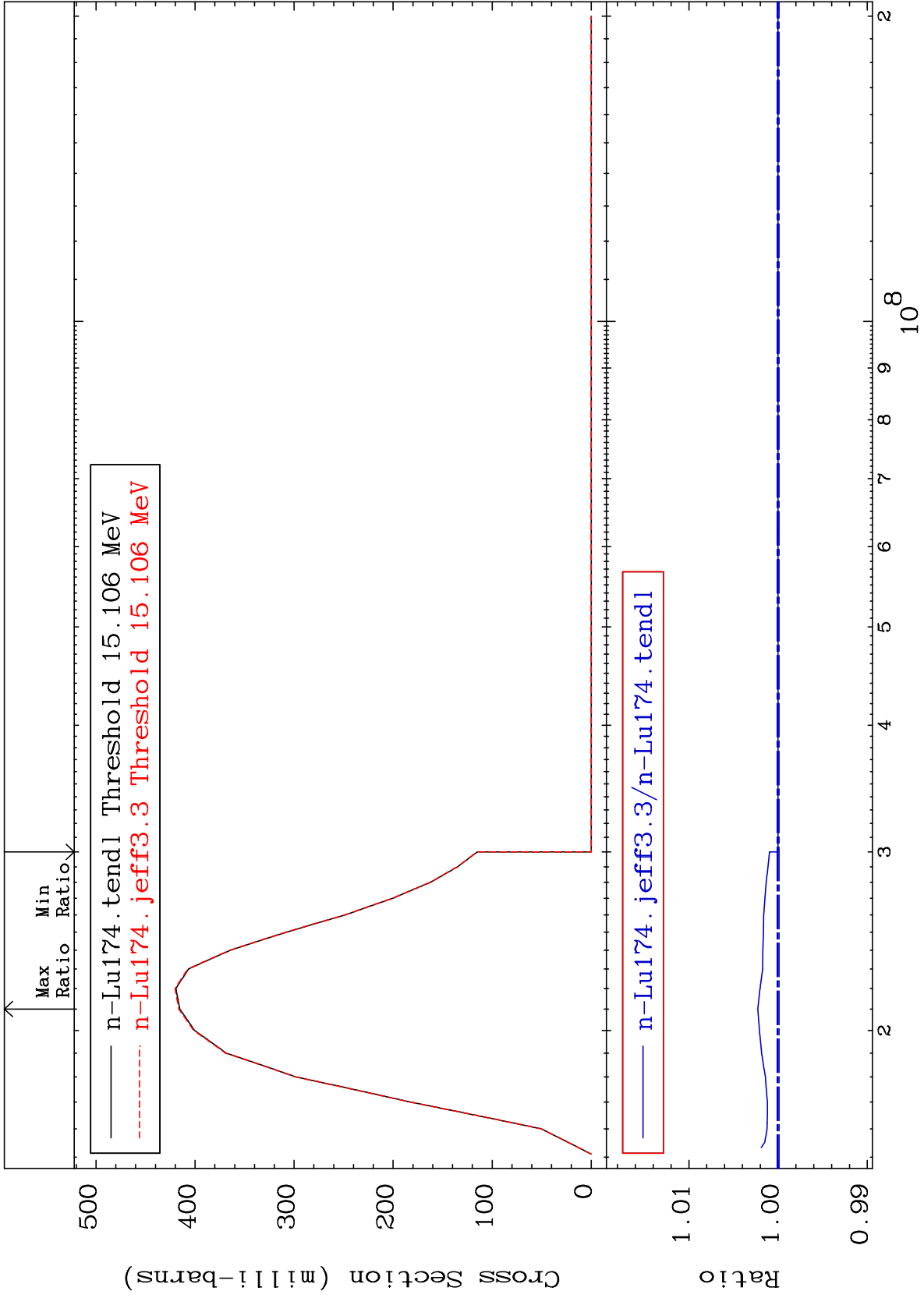


MAT 7122

(n,3n):71-Lu-172m1

71-Lu-174

Radionuclide Production Cross Section 0.000 To 0.228 %

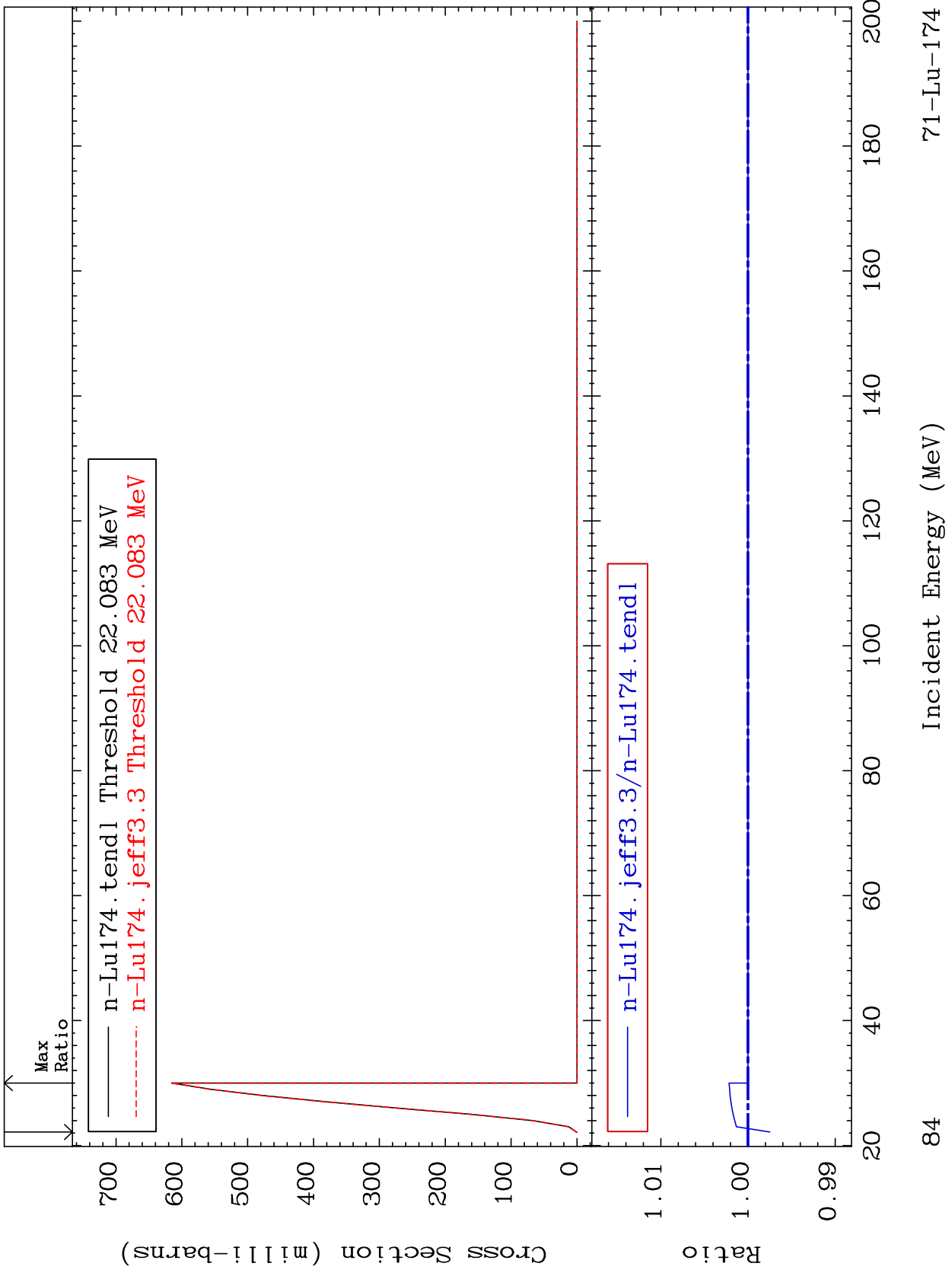


MAT 7122

(n, 4n) : 71-Lu-171g

71-Lu-174

Radionuclide Production Cross Section -0.251 To 0.217 %



MAT 7122

(n, 4n) : 71-Lu-171m1

71-Lu-174

Radionuclide Production Cross Section 0.000 To 0.217 %

