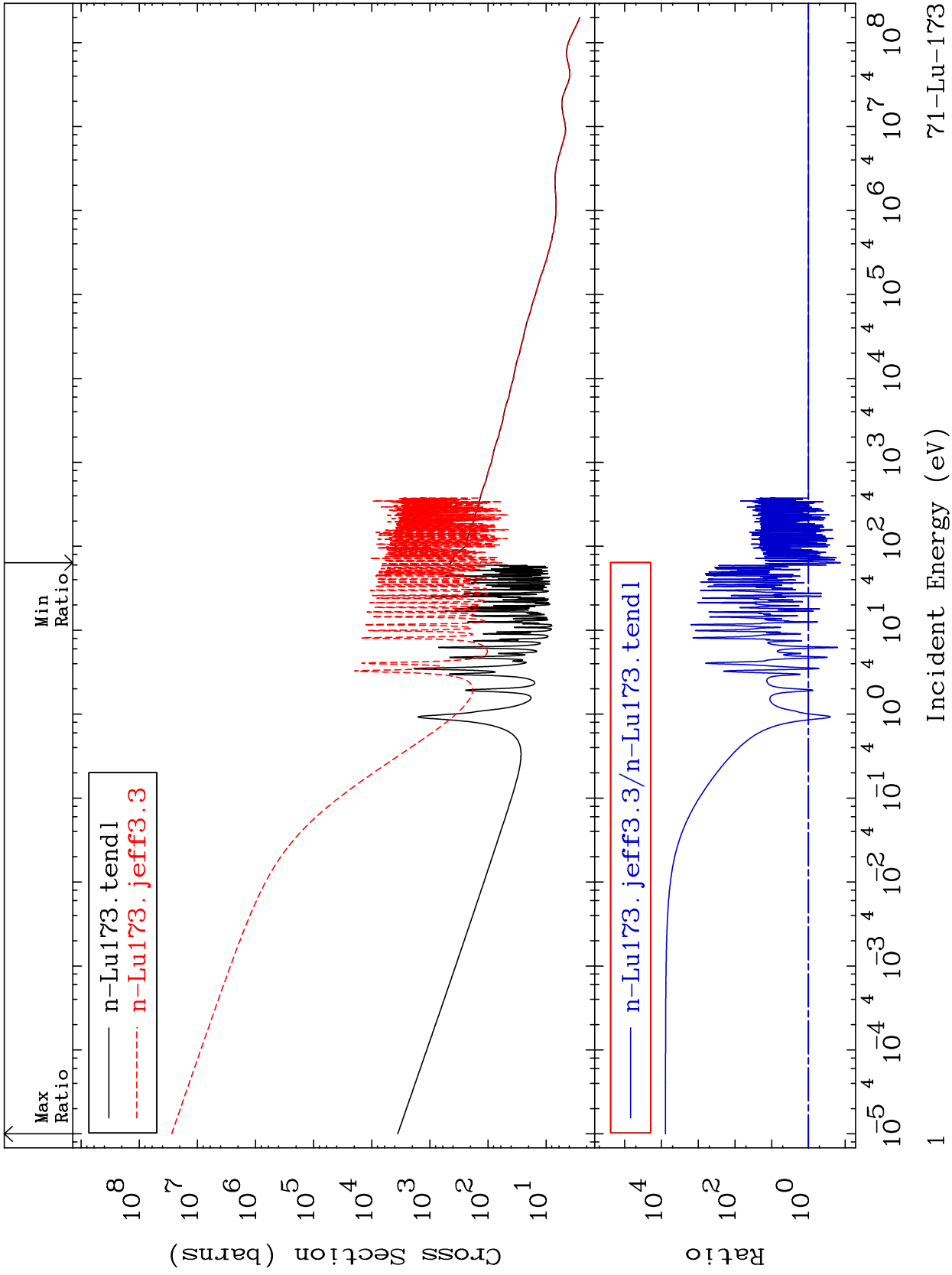


MAT 7119

Total
Cross Section

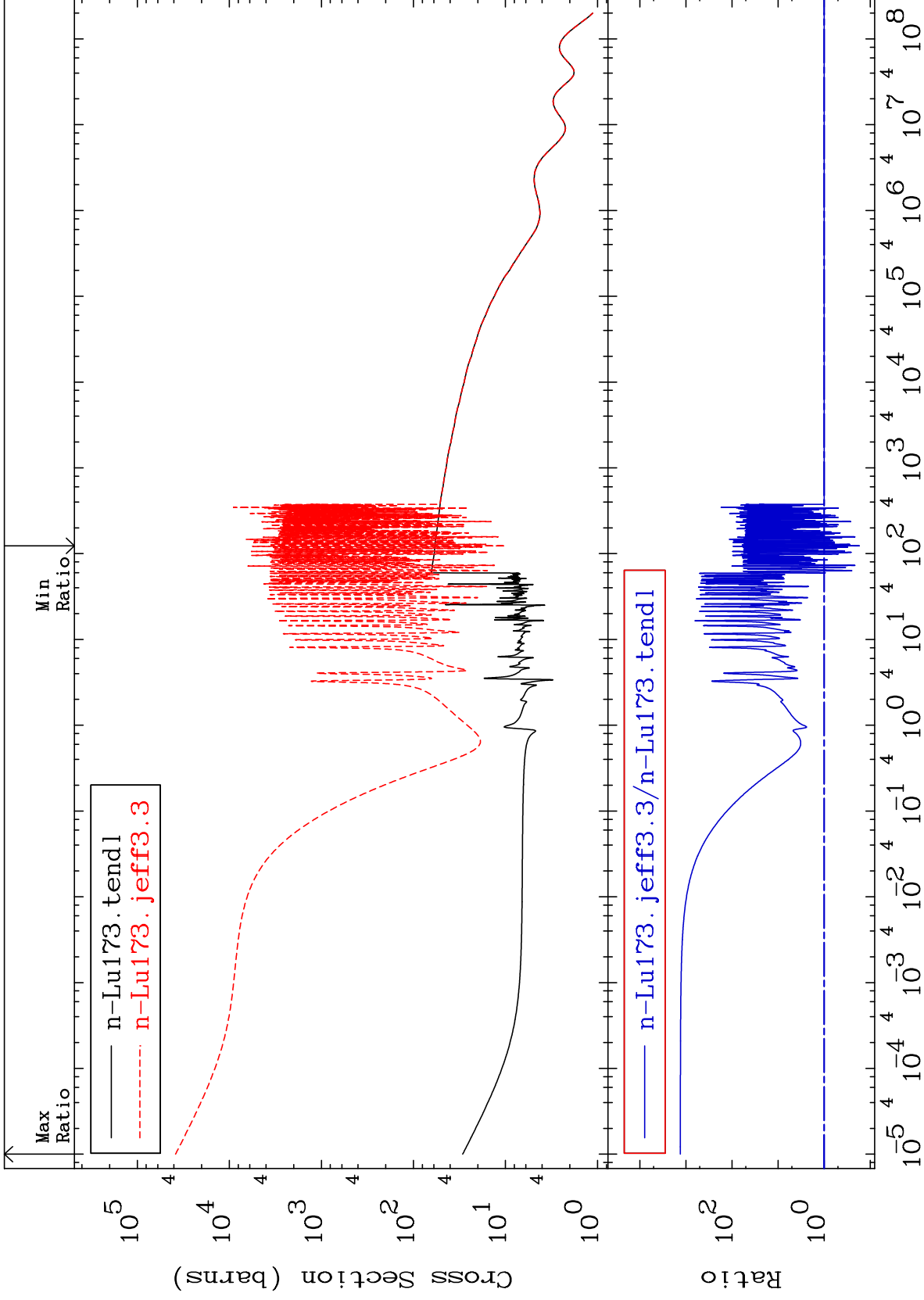
71-Lu-173
-86.77 To 9999. %



MAT 7119

Elastic
Cross Section

71-Lu-173
-82.89 To 9999. %



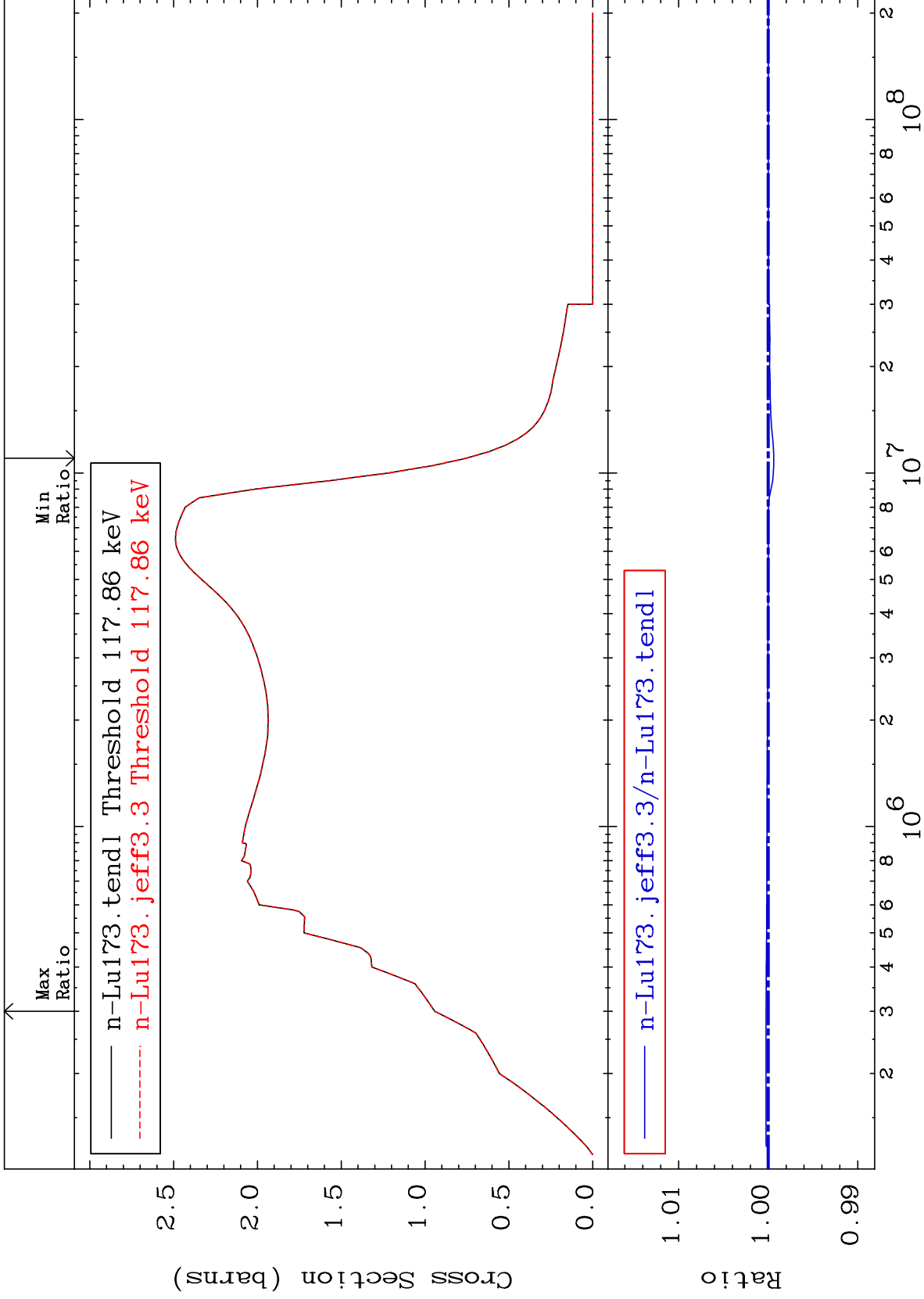
MAT 7119

Inelastic

⁷¹-Lu-173

Cross Section

-0.062 To 0.025 %



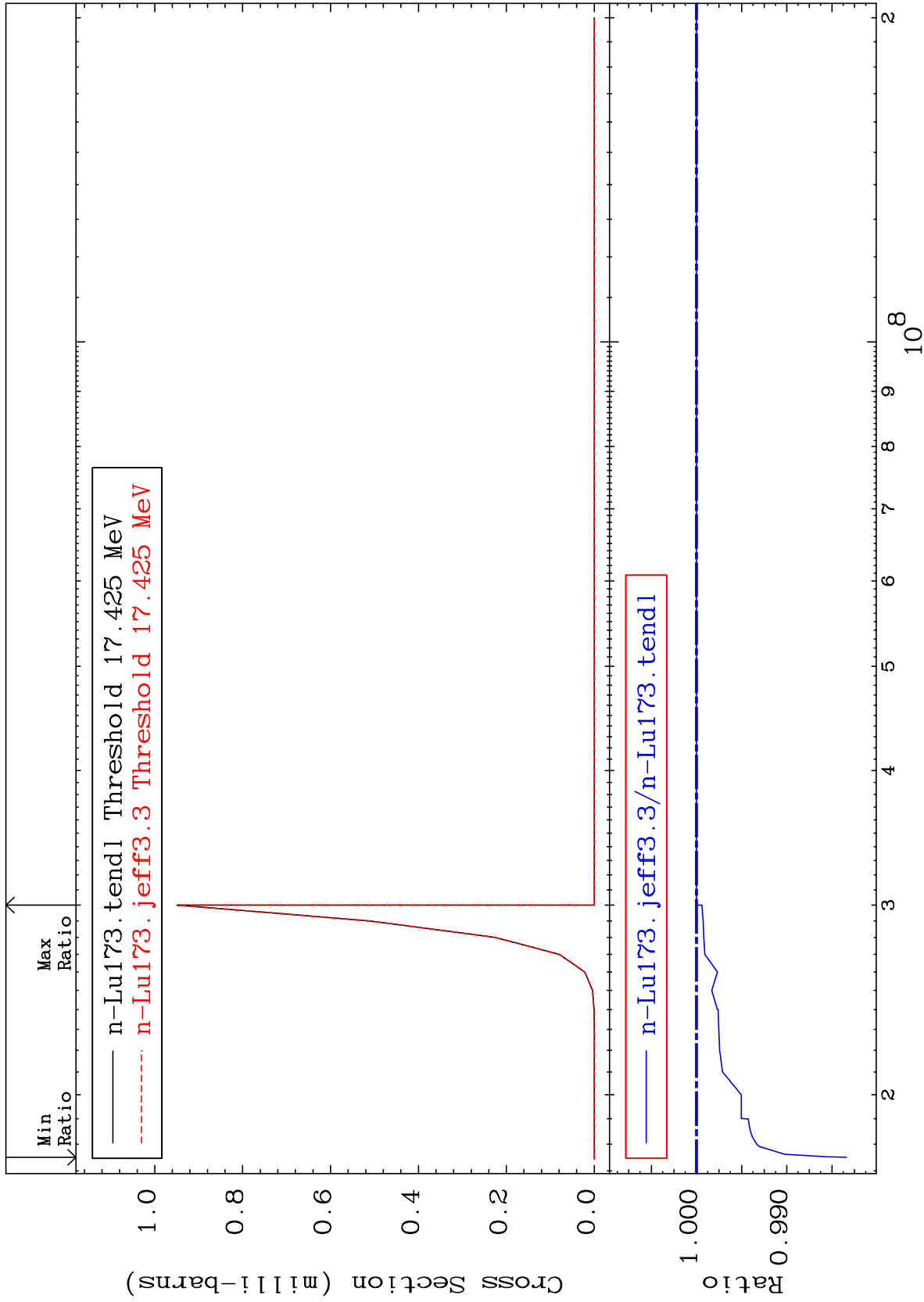
MAT 7119

(n,2n) d

71-Lu-173

Cross Section

-1.661 To 0.000 %



MAT 7119

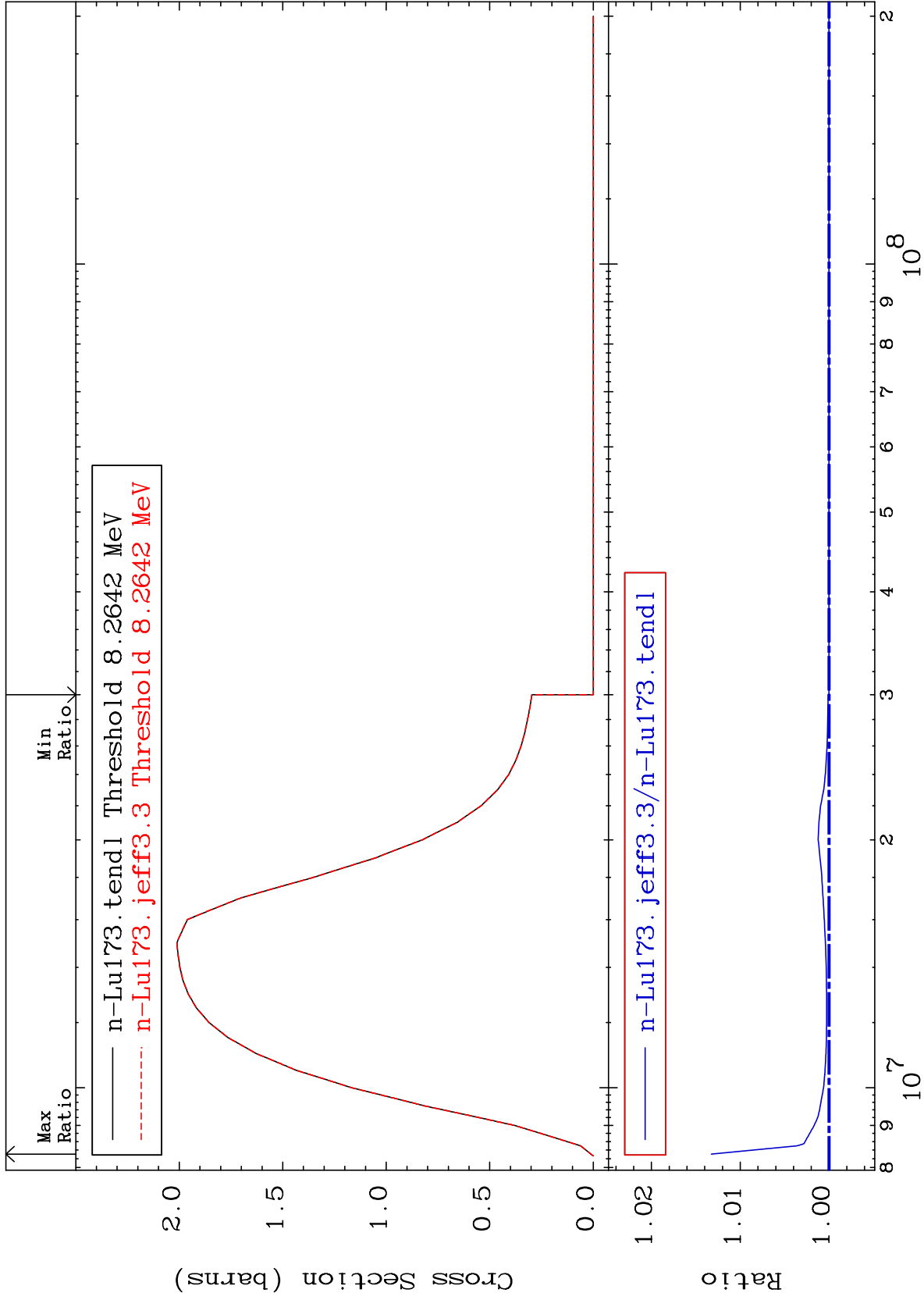
(n,2n)

71-Lu-173

Cross Section

0.000

To 1.326 %

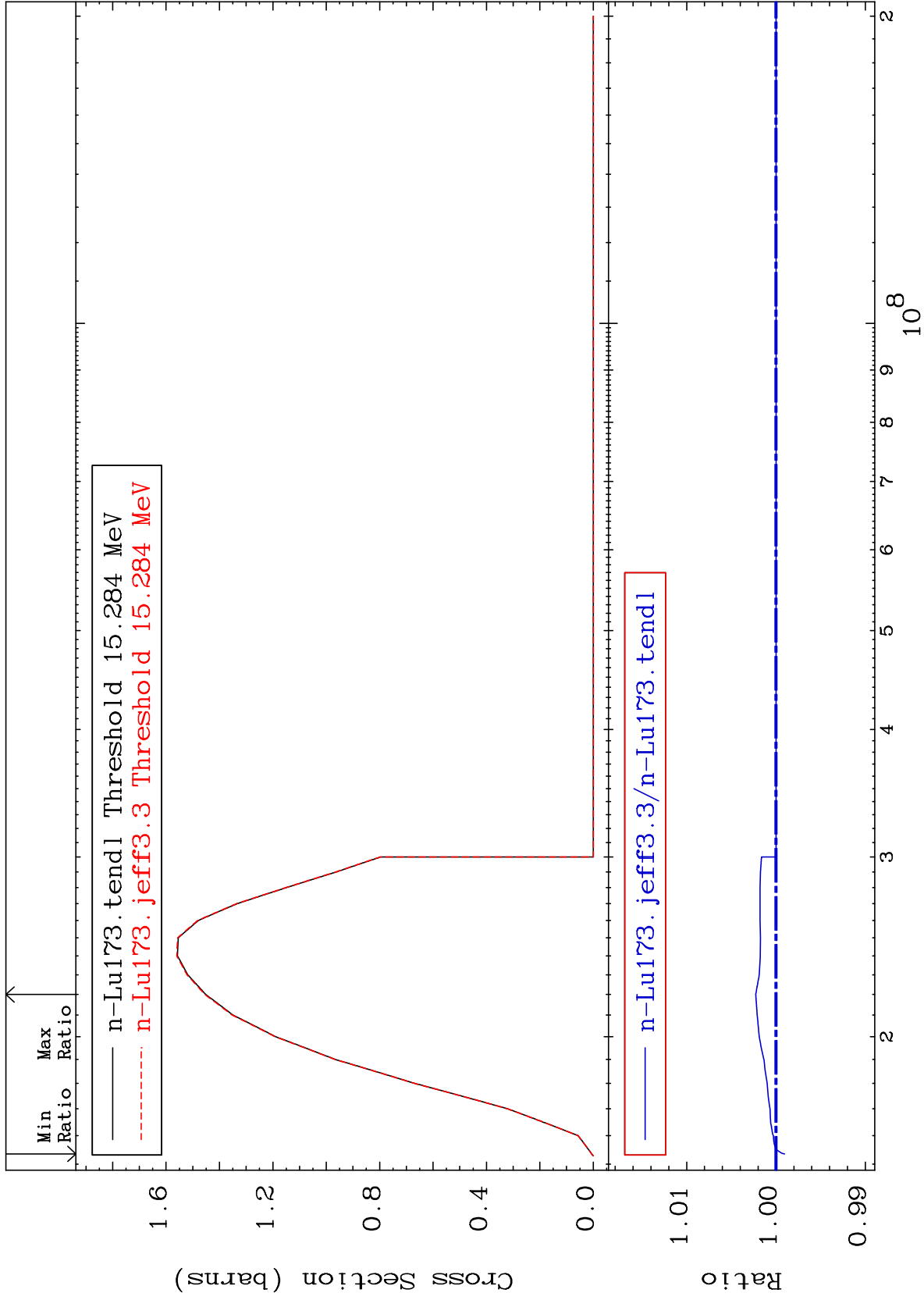


71-Lu-173

71-Lu-173

Cross Section

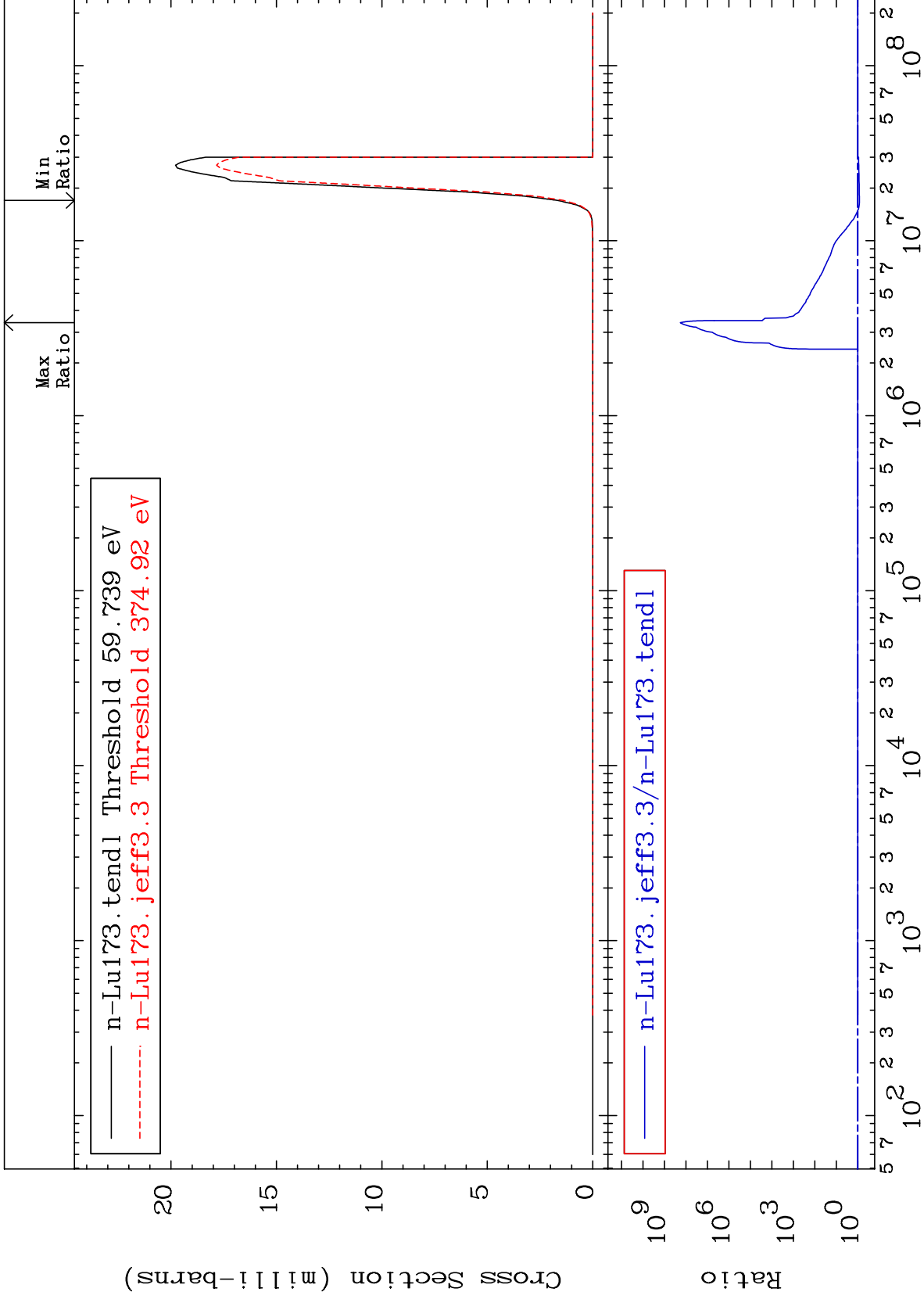
-0.096 To 0.227 %



MAT 7119

(n, n') α
Cross Section

71-Lu-173
-16.29 To 9999. %



7

Incident Energy (eV)

71-Lu-173

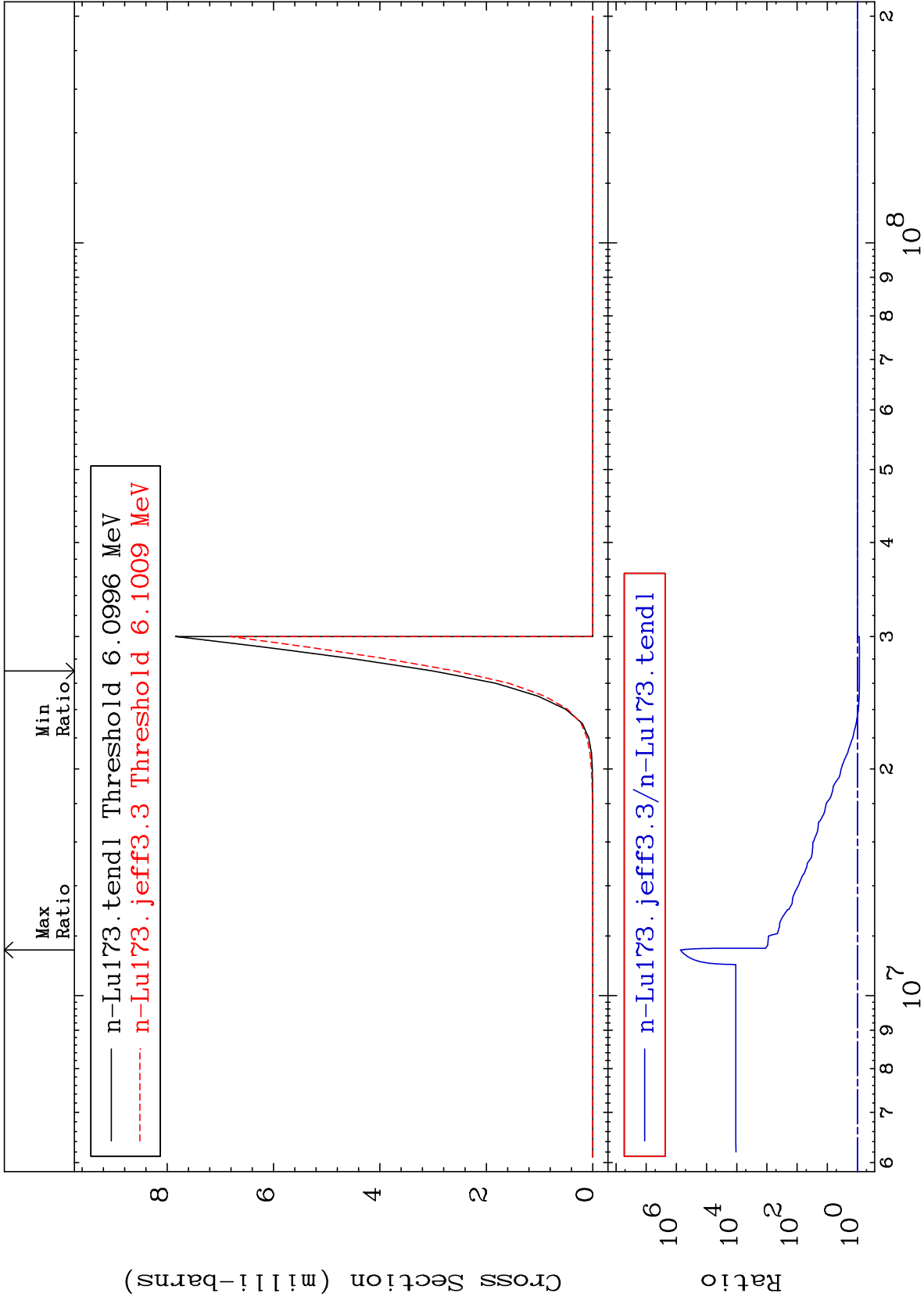
MAT 7119

(n,2n) α

71-Lu-173

Cross Section

-13.86 To 9999. %



8

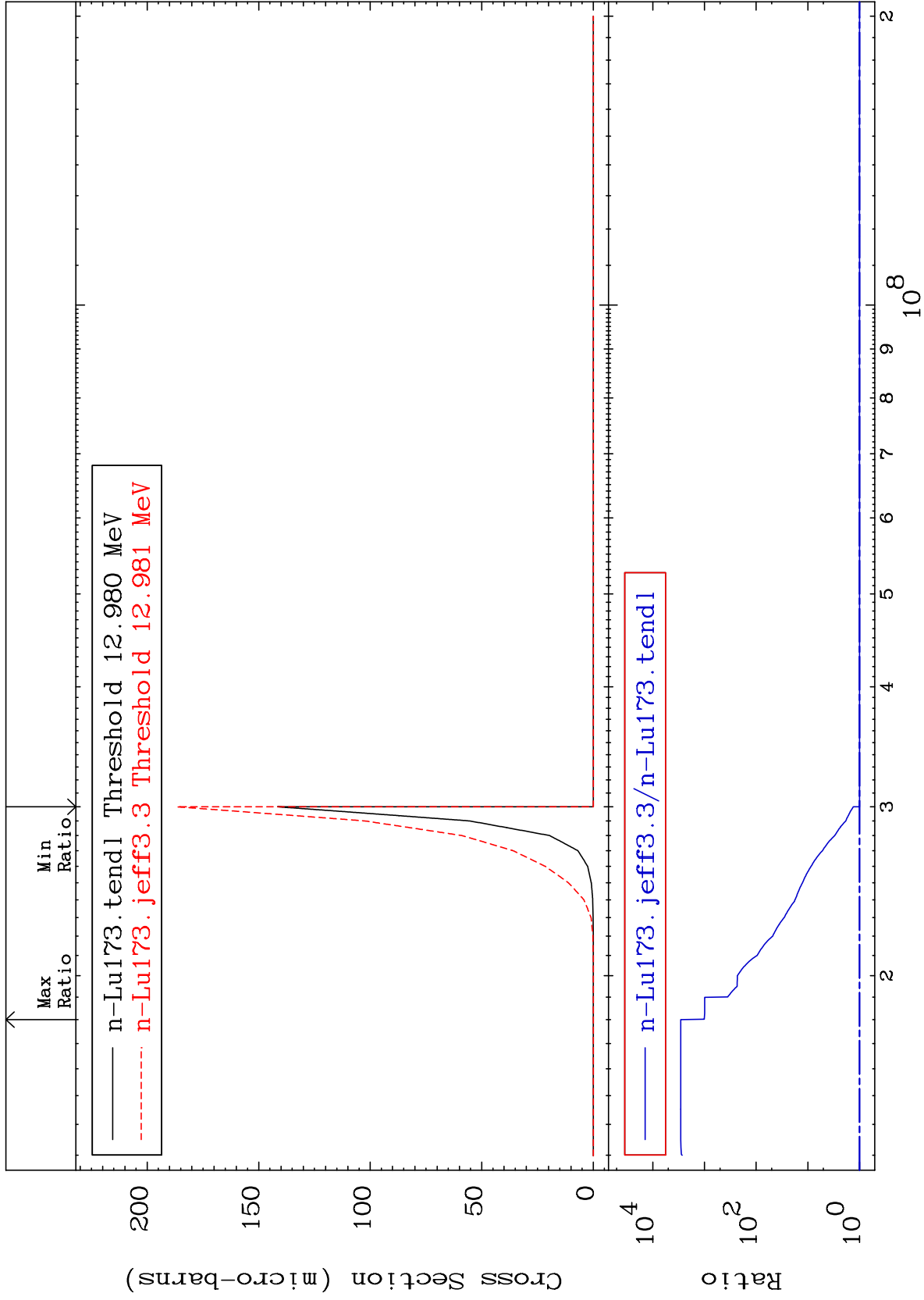
Incident Energy (eV)

71-Lu-173

MAT 7119

(n,3n) α
Cross Section

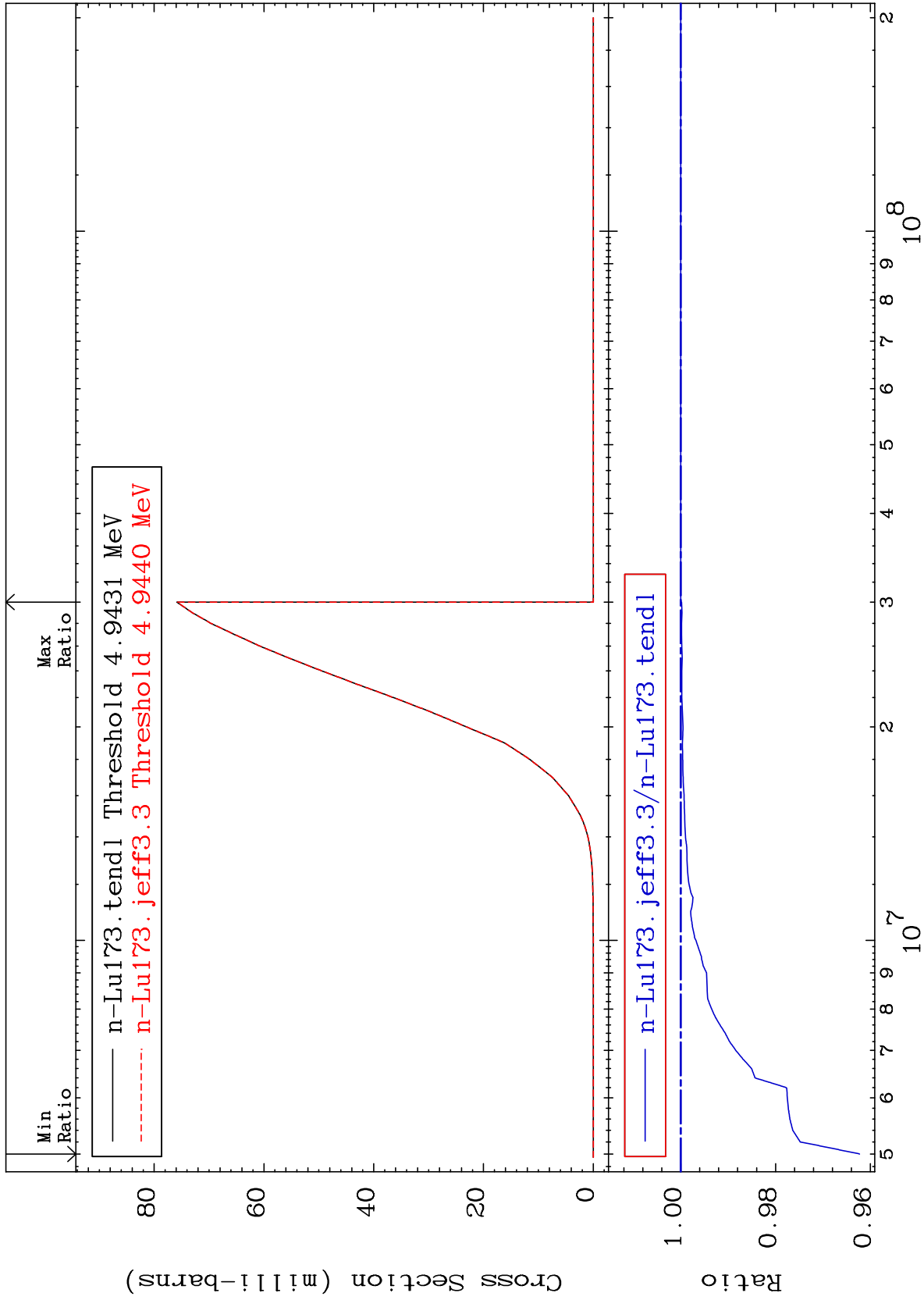
71-Lu-173
To 9999. %
0.000



MAT 7119

(n, n') p
Cross Section

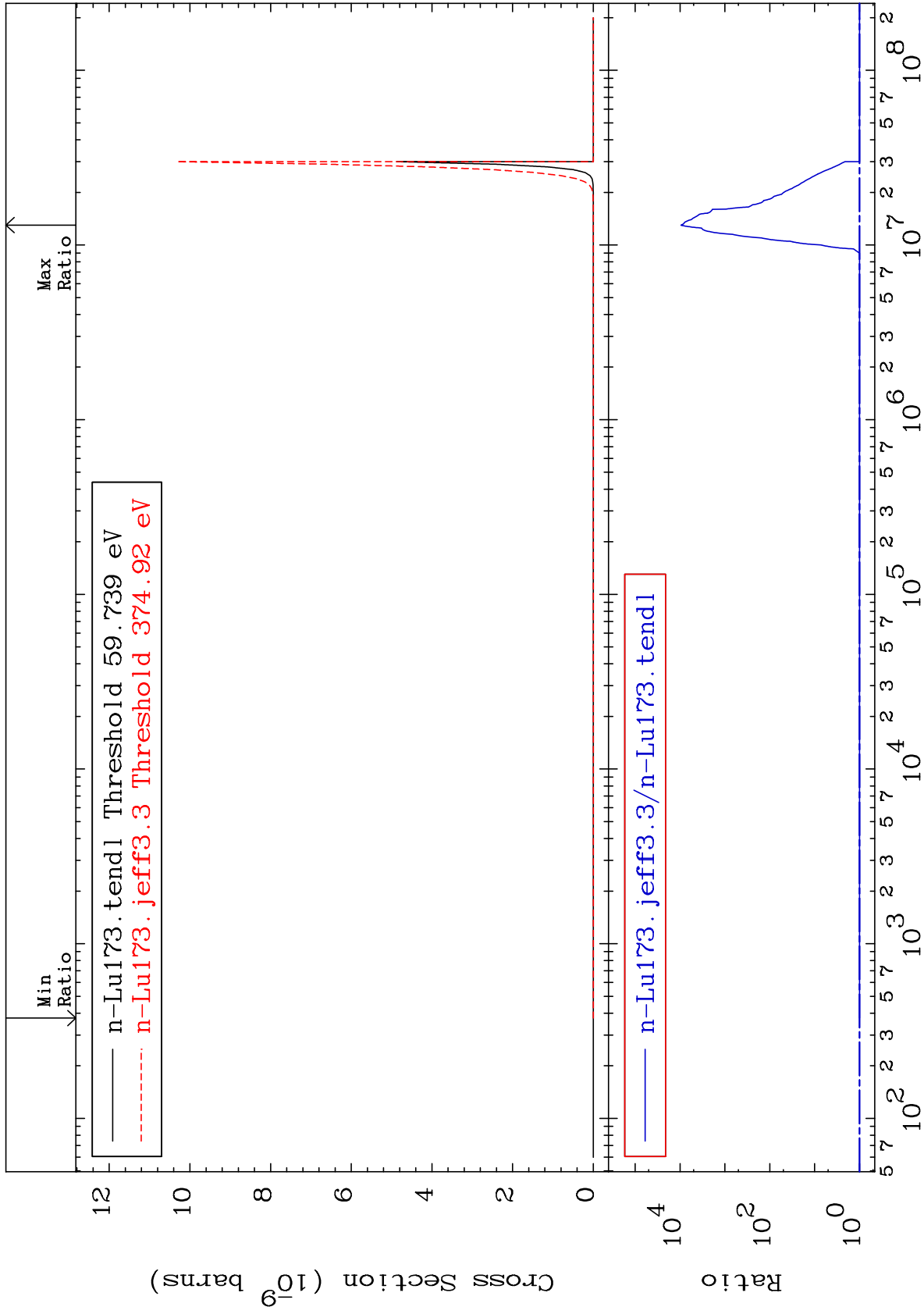
71-Lu-173
-3.772 To 0.000 %



MAT 7119

(n, n') 2α
Cross Section

71-Lu-173
To 9999. %



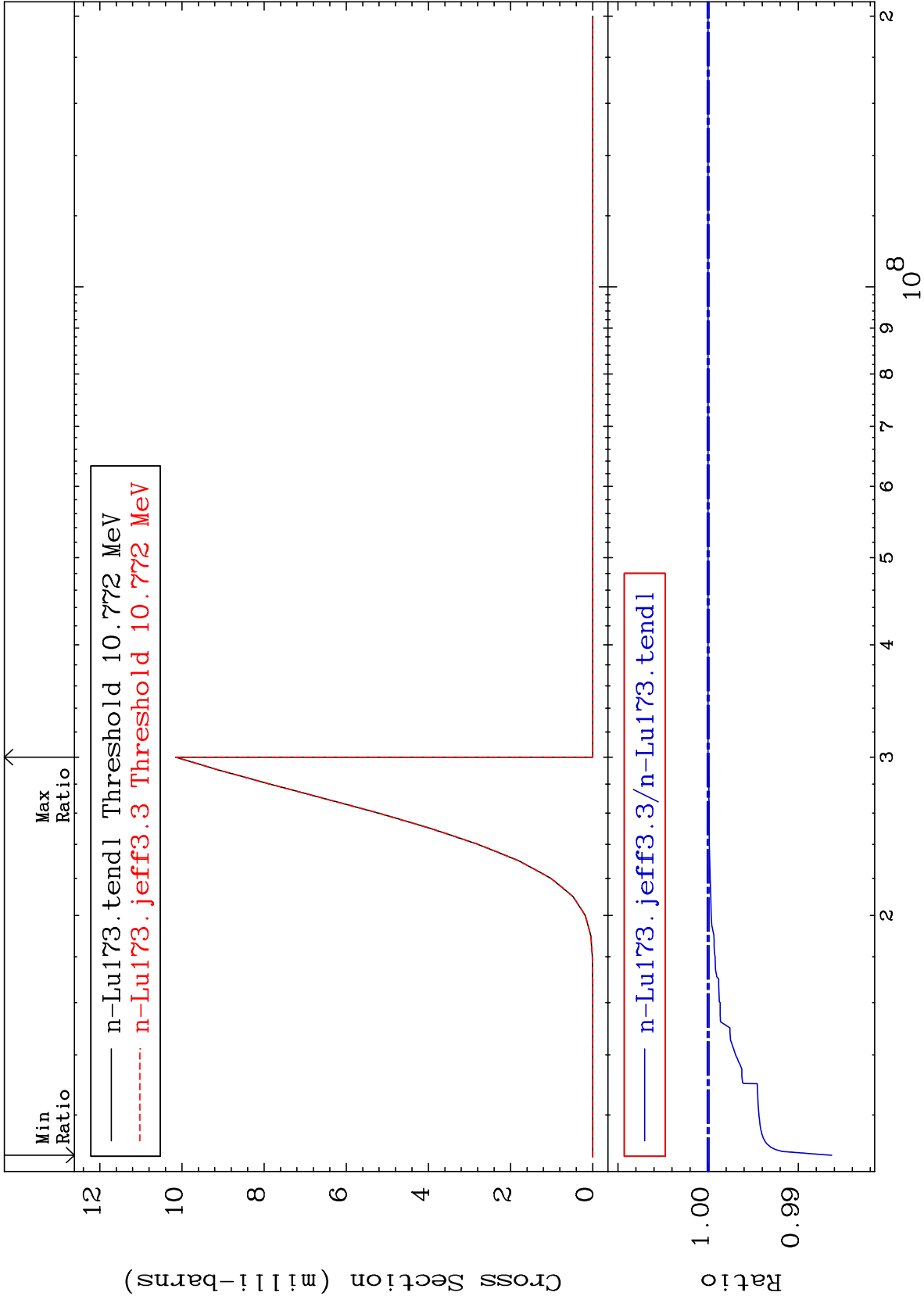
MAT 7119

(n,n') d

71-Lu-173

Cross Section

-1.371 To 0.000 %



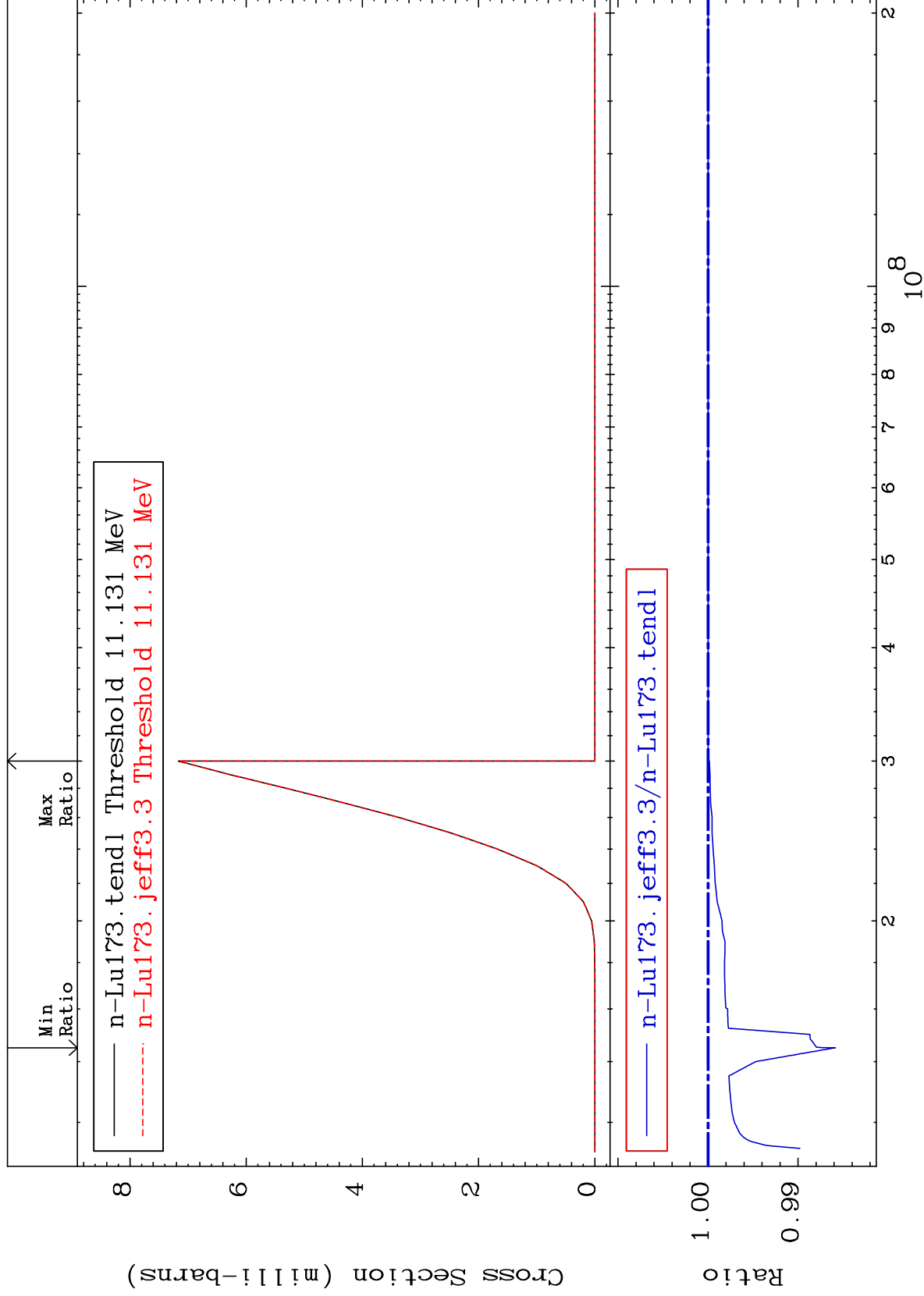
MAT 7119

(n, n') t

71-Lu-173

Cross Section

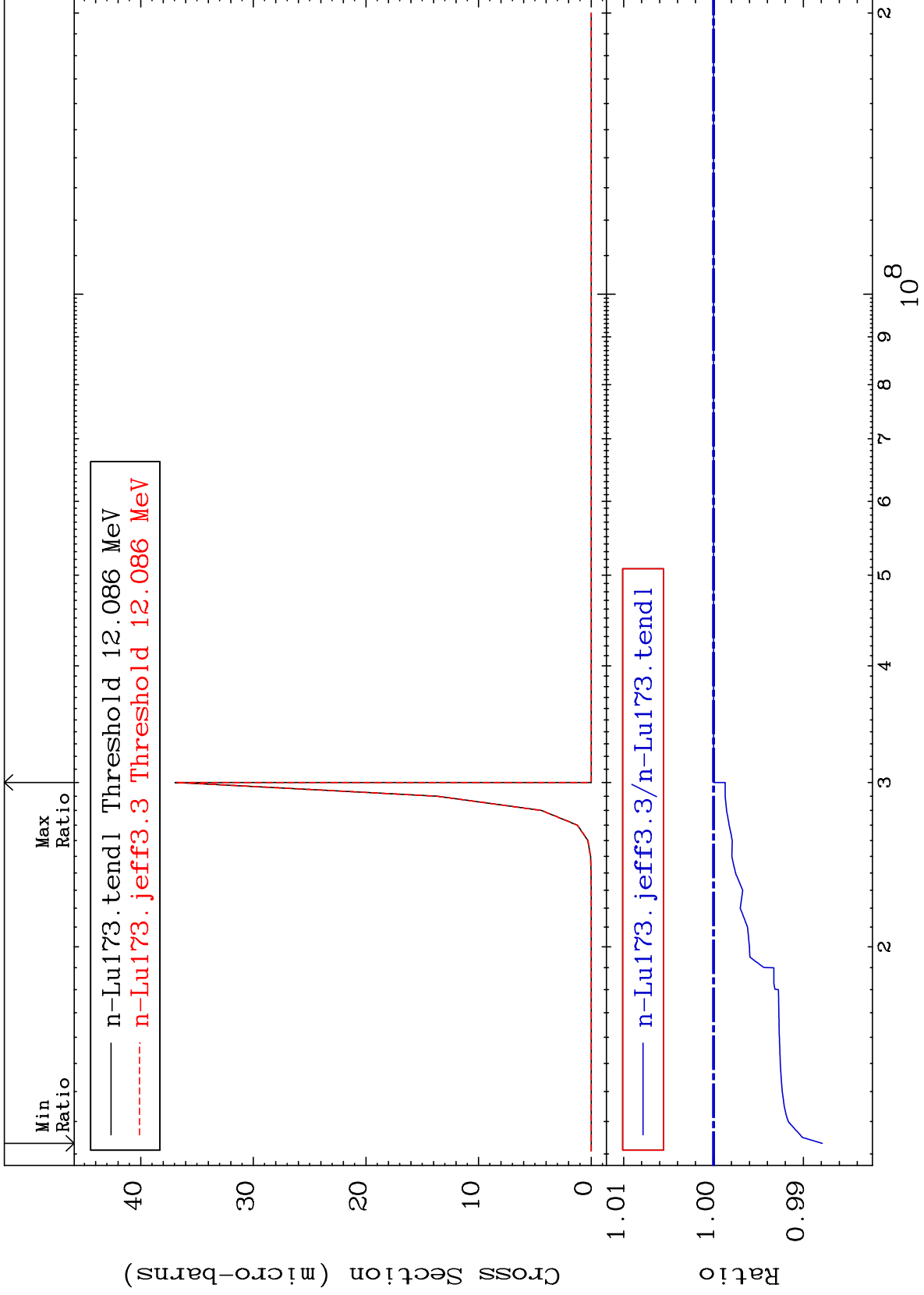
-1.414 To 0.000 %



MAT 7119

(n, n') He-3
Cross Section

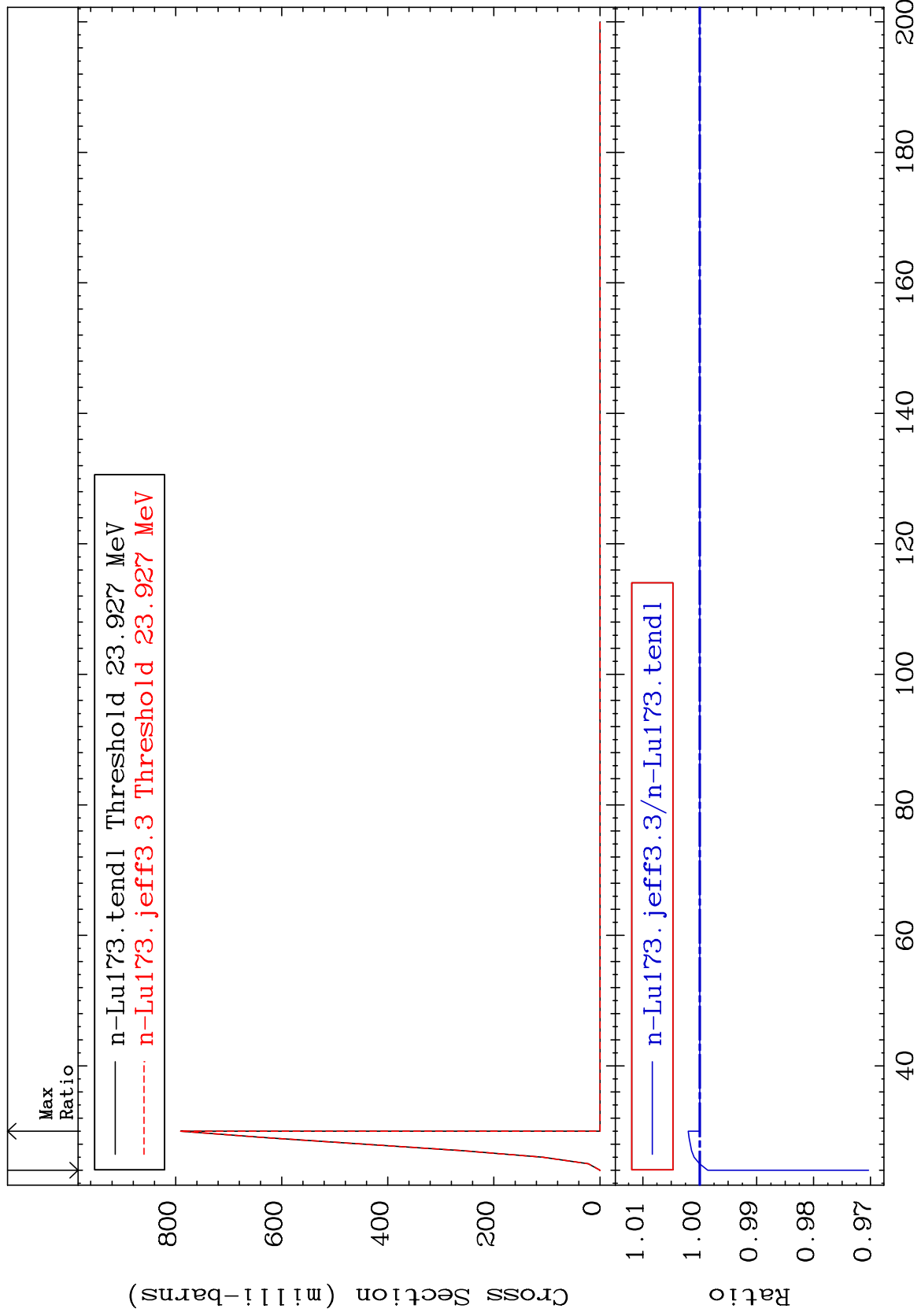
71-Lu-173
-1.212 To 0.000 %

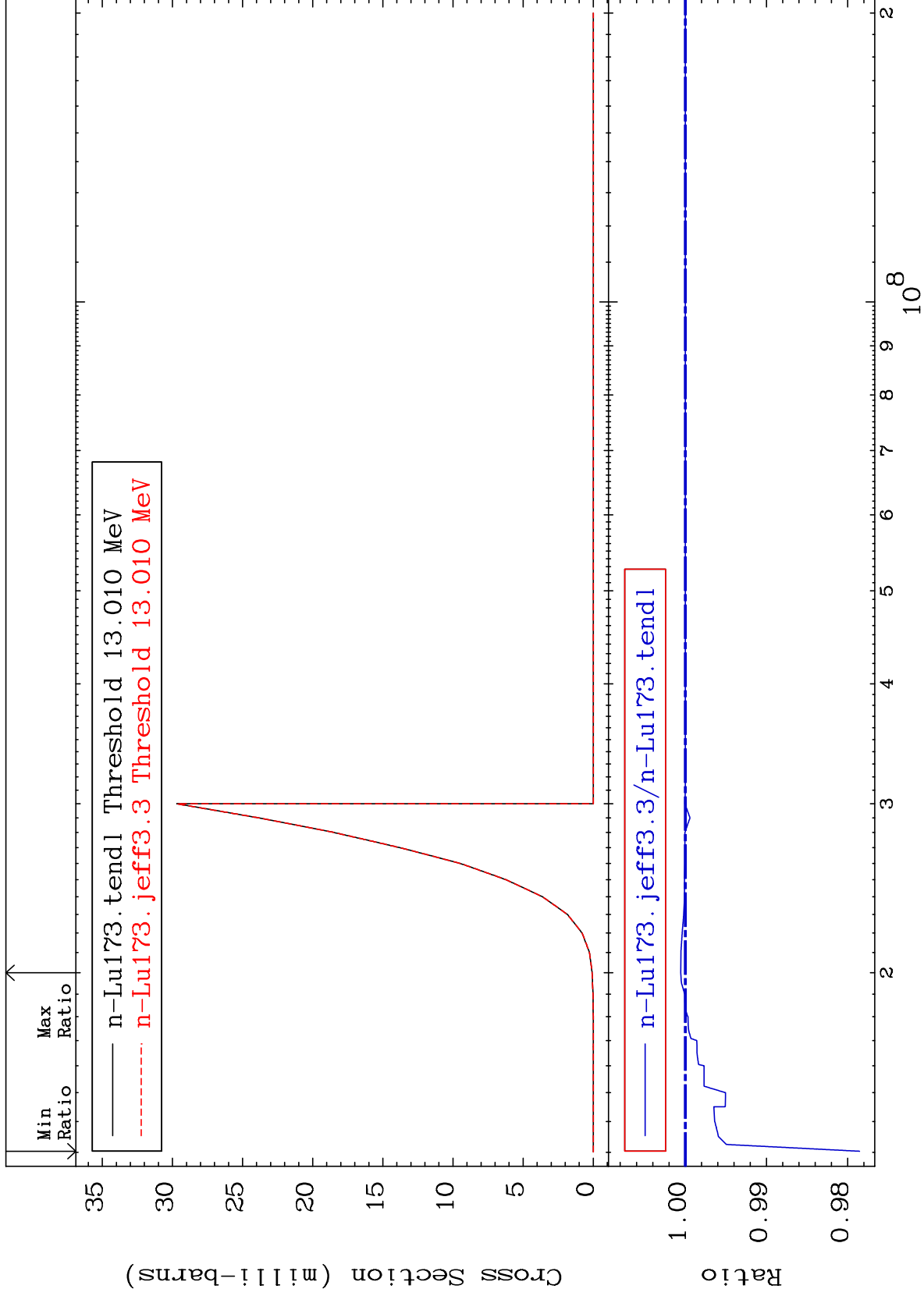


MAT 7119

(n,4n)
Cross Section

71-Lu-173
-2.965 To 0.202 %

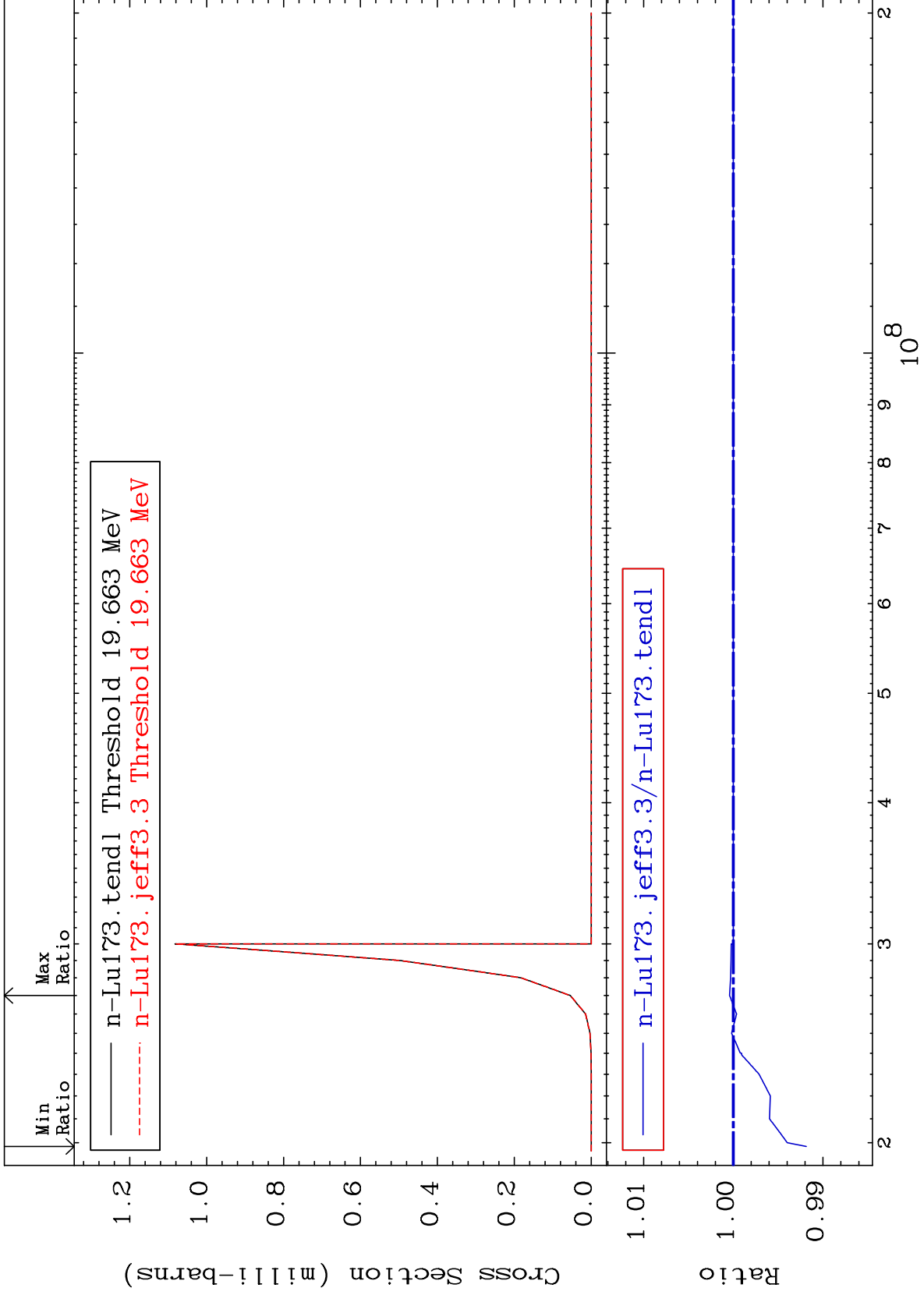




MAT 7119

(n,3n) p
Cross Section

⁷¹-Lu-173
-0.814 To 0.041 %



17

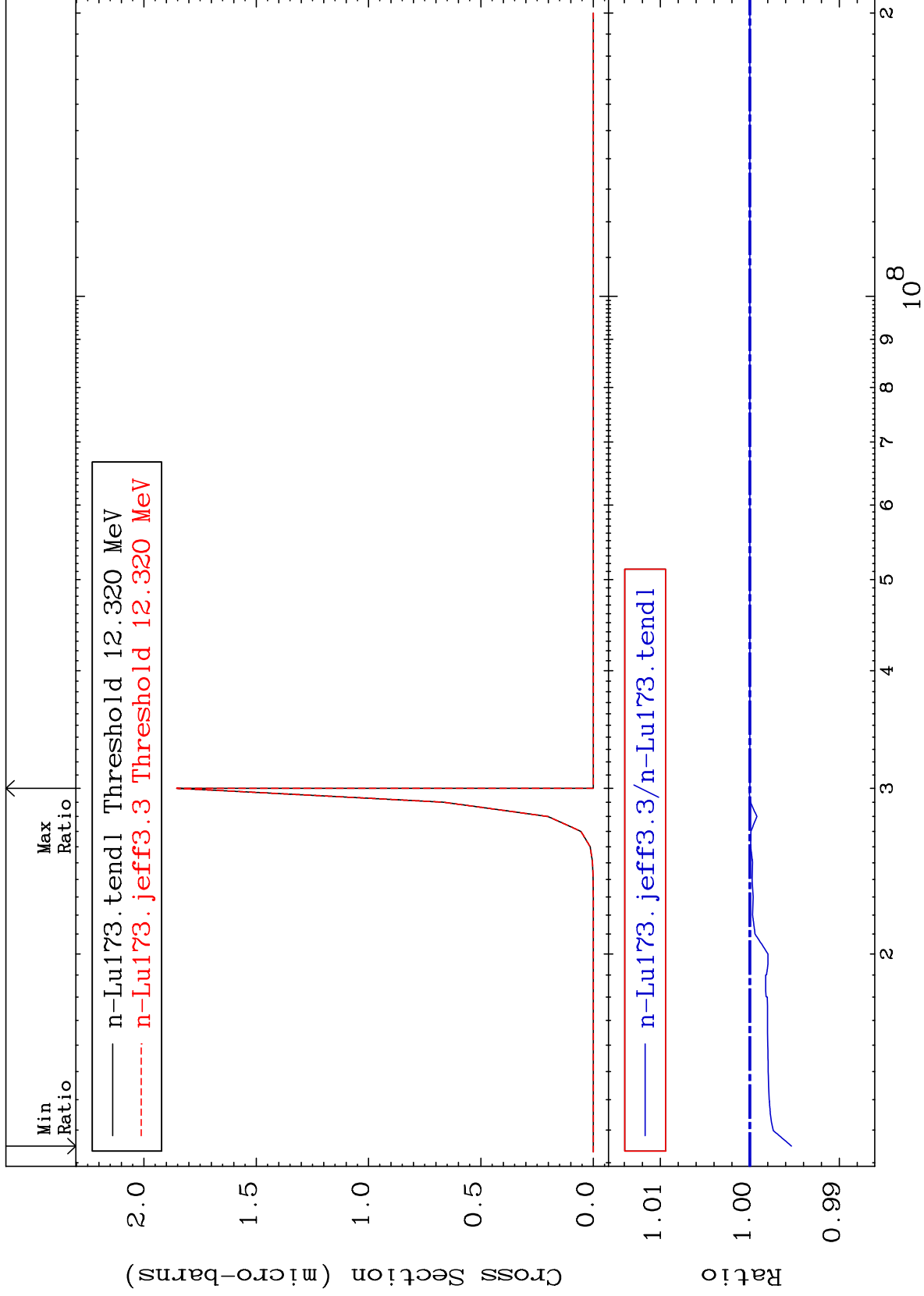
Incident Energy (eV)

⁷¹-Lu-173

MAT 7119

(n,2n) p
Cross Section

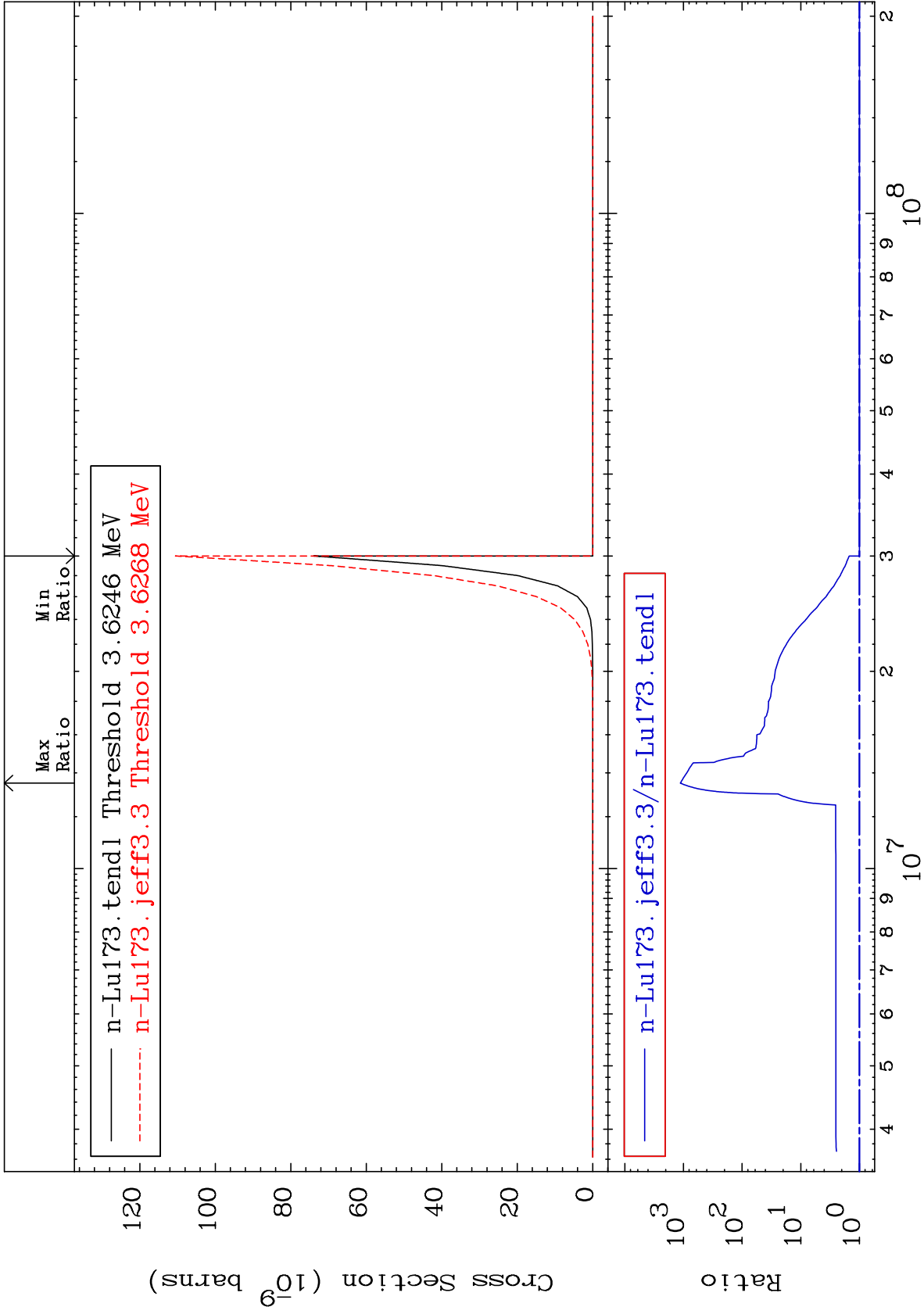
71-Lu-173
-0.464 To 0.011 %



MAT 7119

(n,n') p α
Cross Section

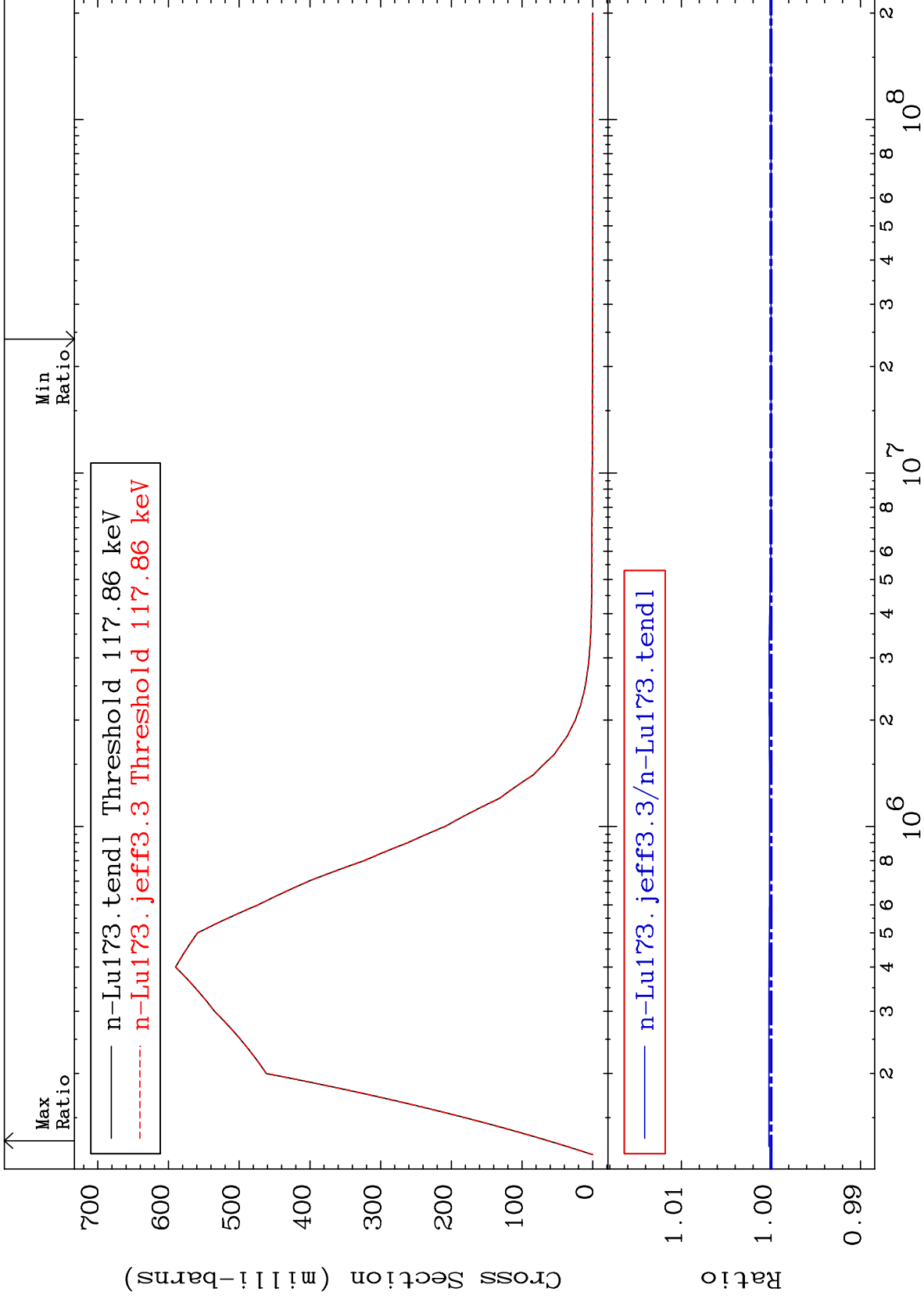
71-Lu-173
To 9999. %
0.000



MAT 7119

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

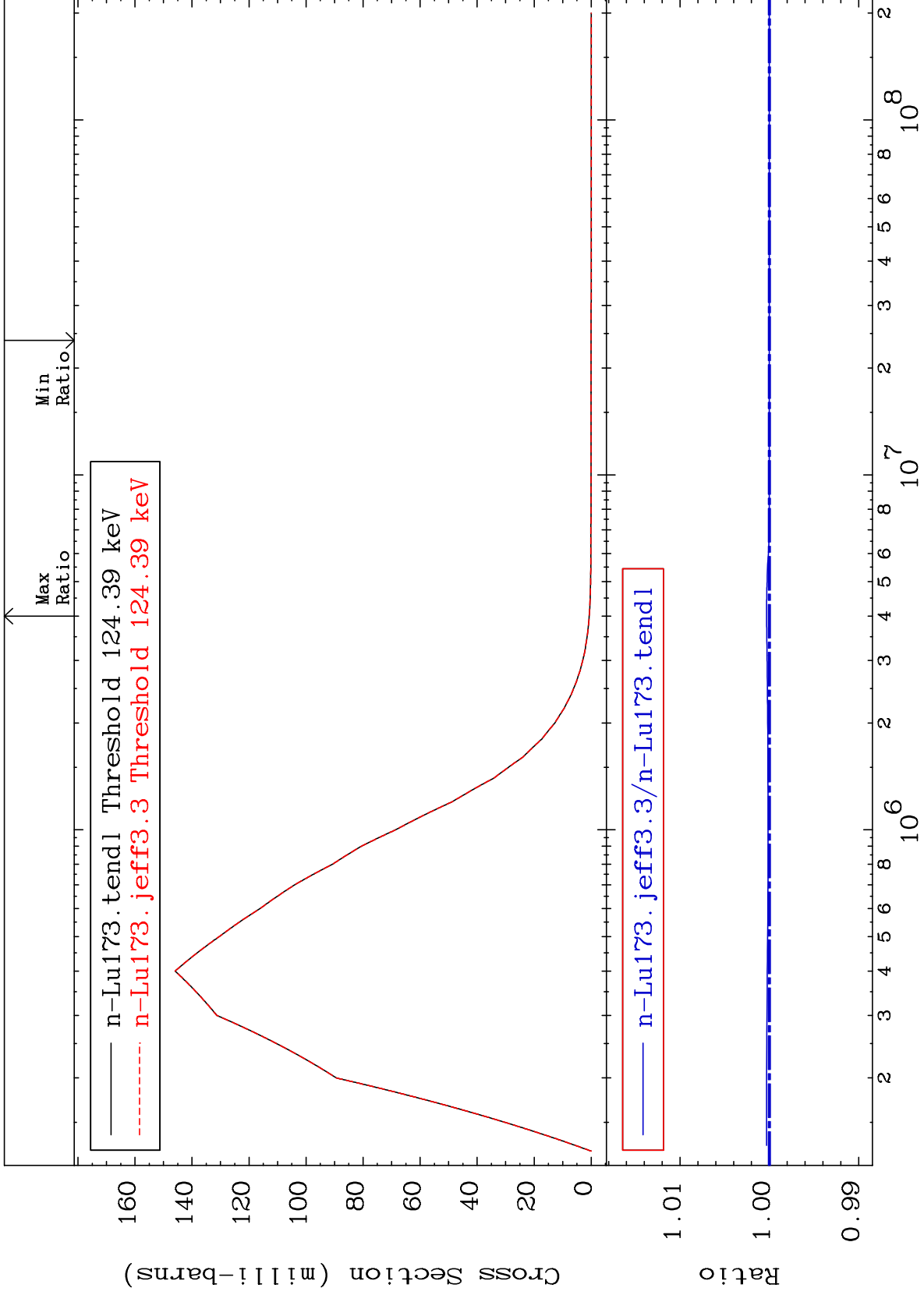
71-Lu-173
0.000 To 0.023 %



MAT 7119

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

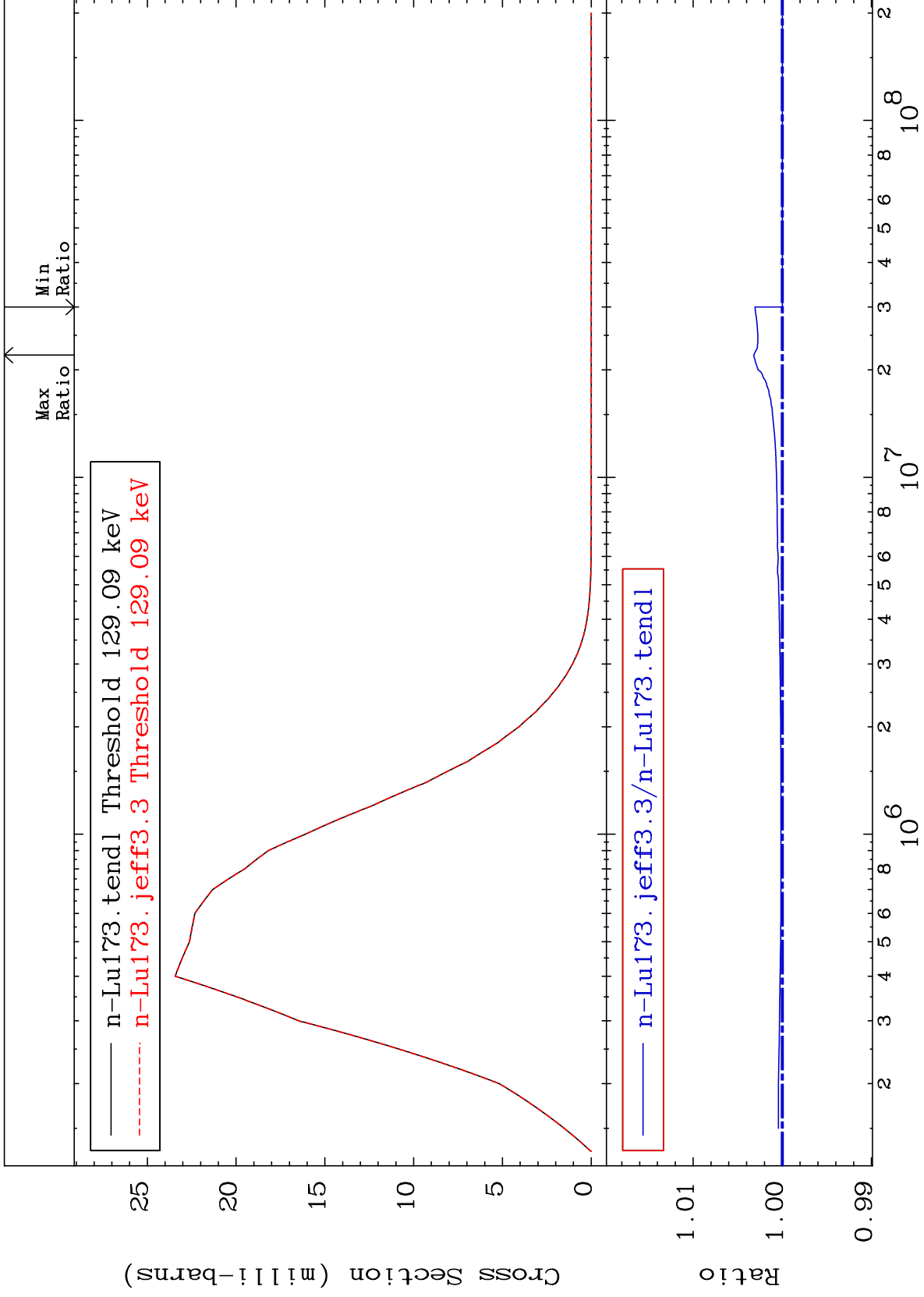
71-Lu-173
0.000 To 0.031 %



MAT 7119

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

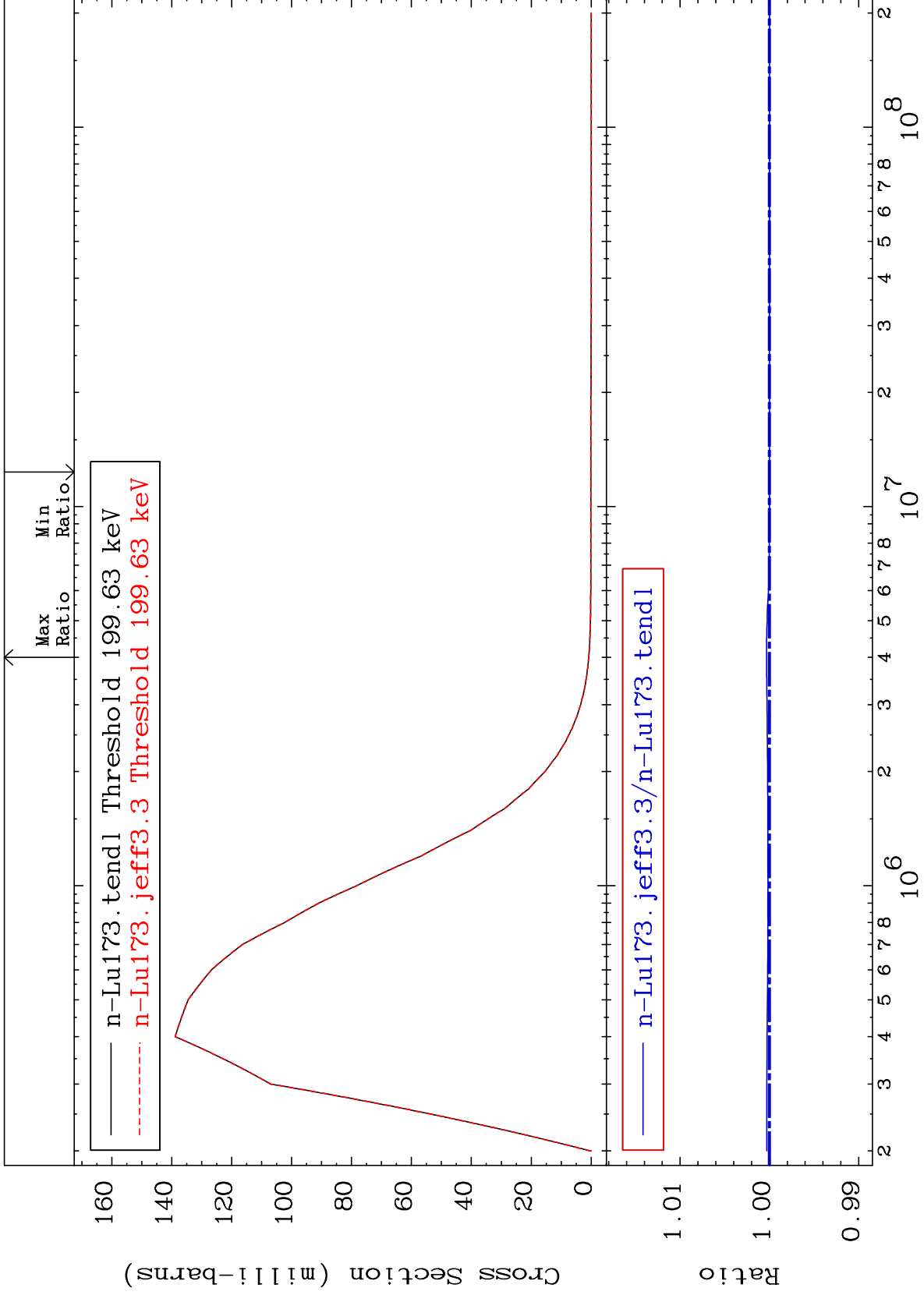
71-Lu-173
0.000 To 0.322 %



MAT 7119

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

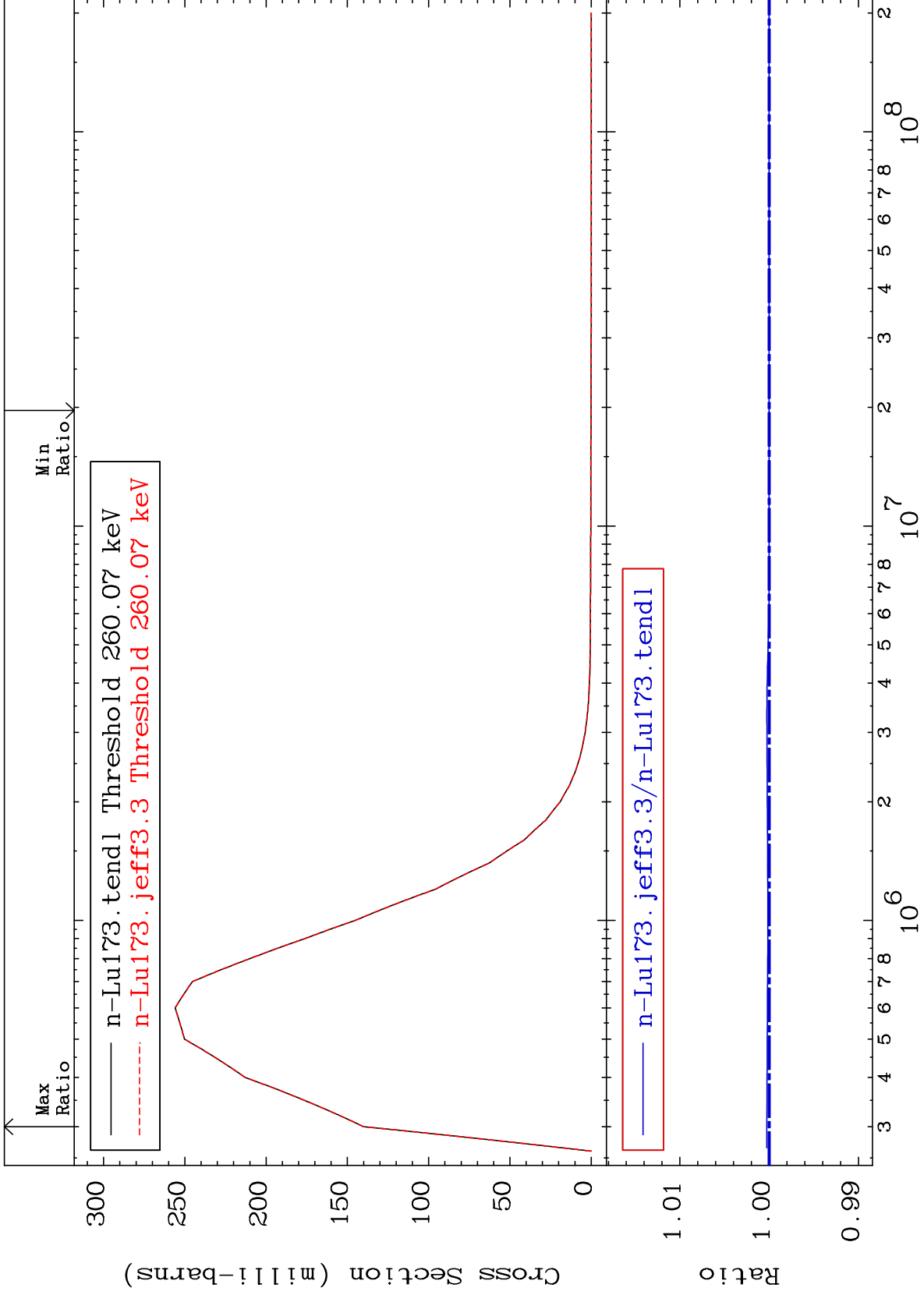
71-Lu-173
0.000 To 0.033 %



MAT 7119

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

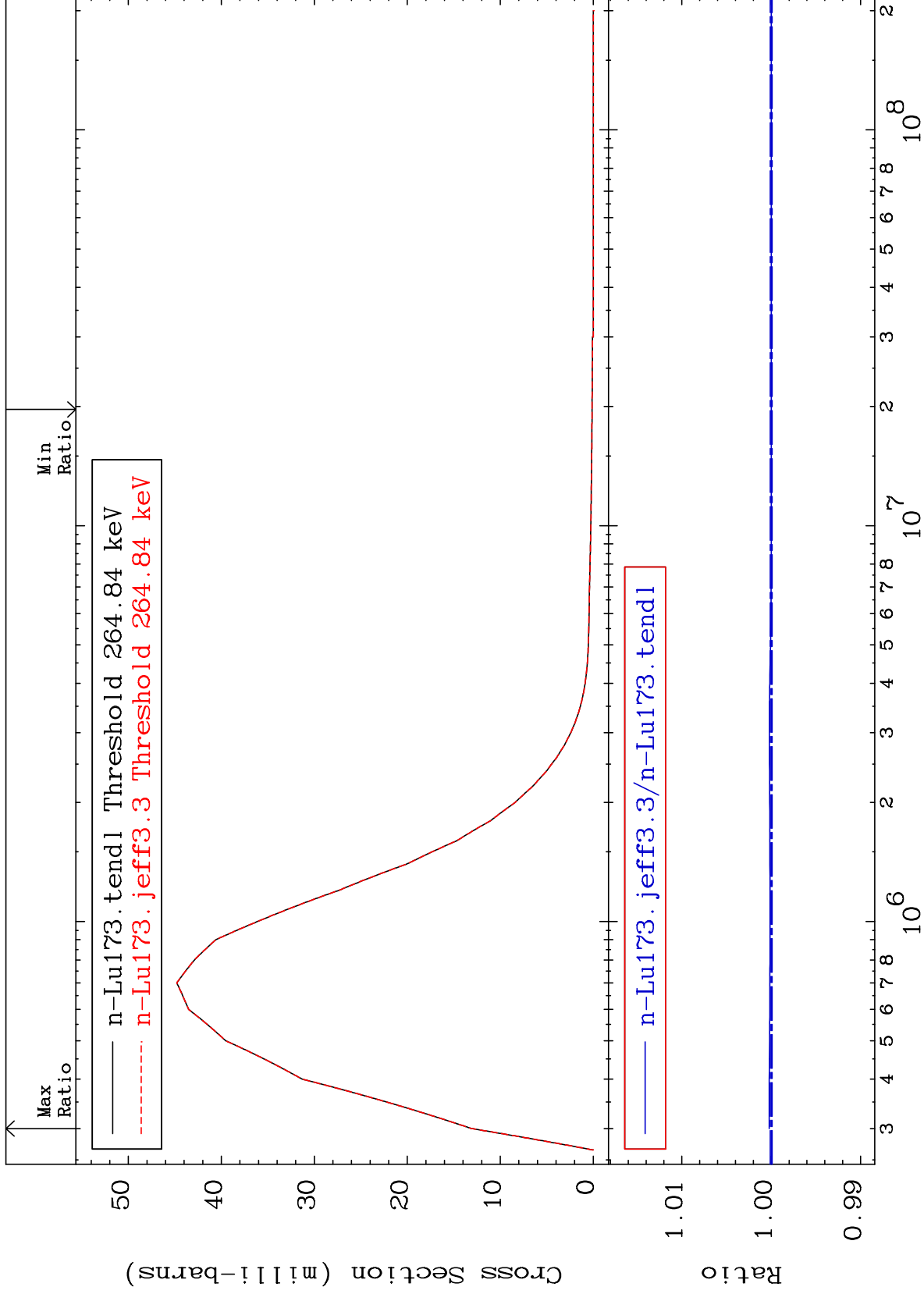
71-Lu-173
0.000 To 0.027 %



MAT 7119

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

71-Lu-173
0.000 To 0.024 %



25

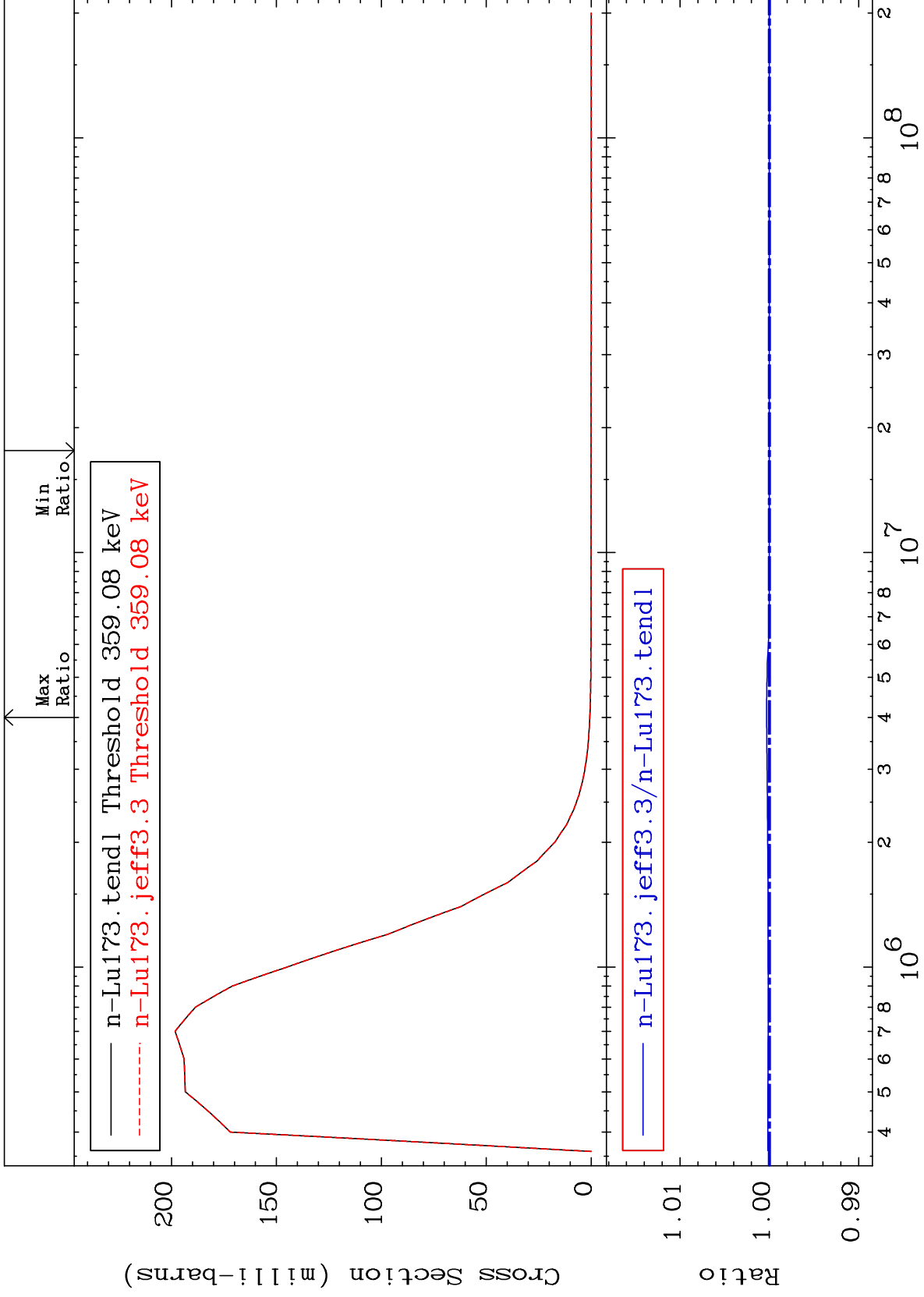
Incident Energy (eV)

71-Lu-173

MAT 7119

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

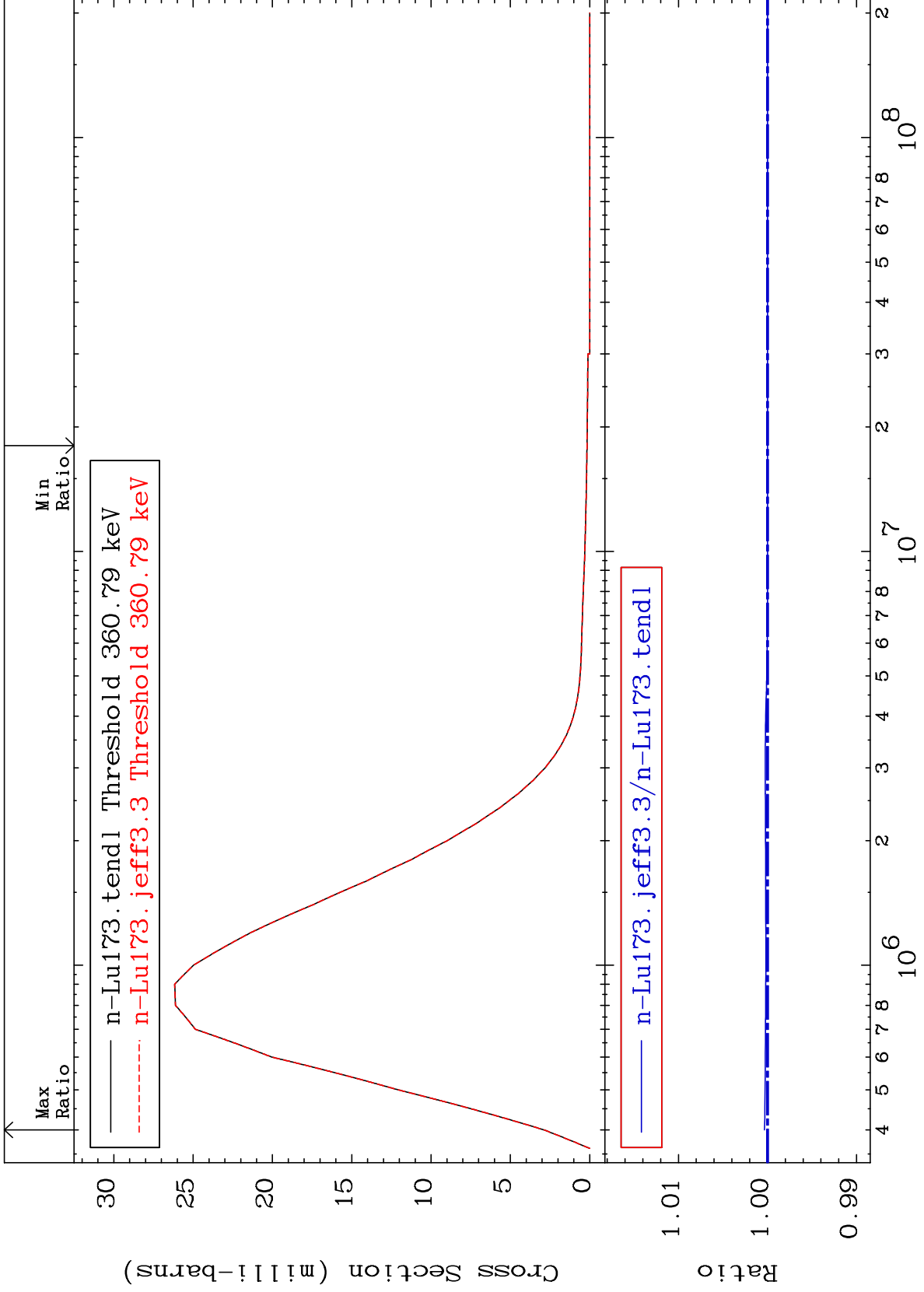
71-Lu-173
0.000 To 0.031 %



MAT 7119

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

71-Lu-173
0.000 To 0.034 %

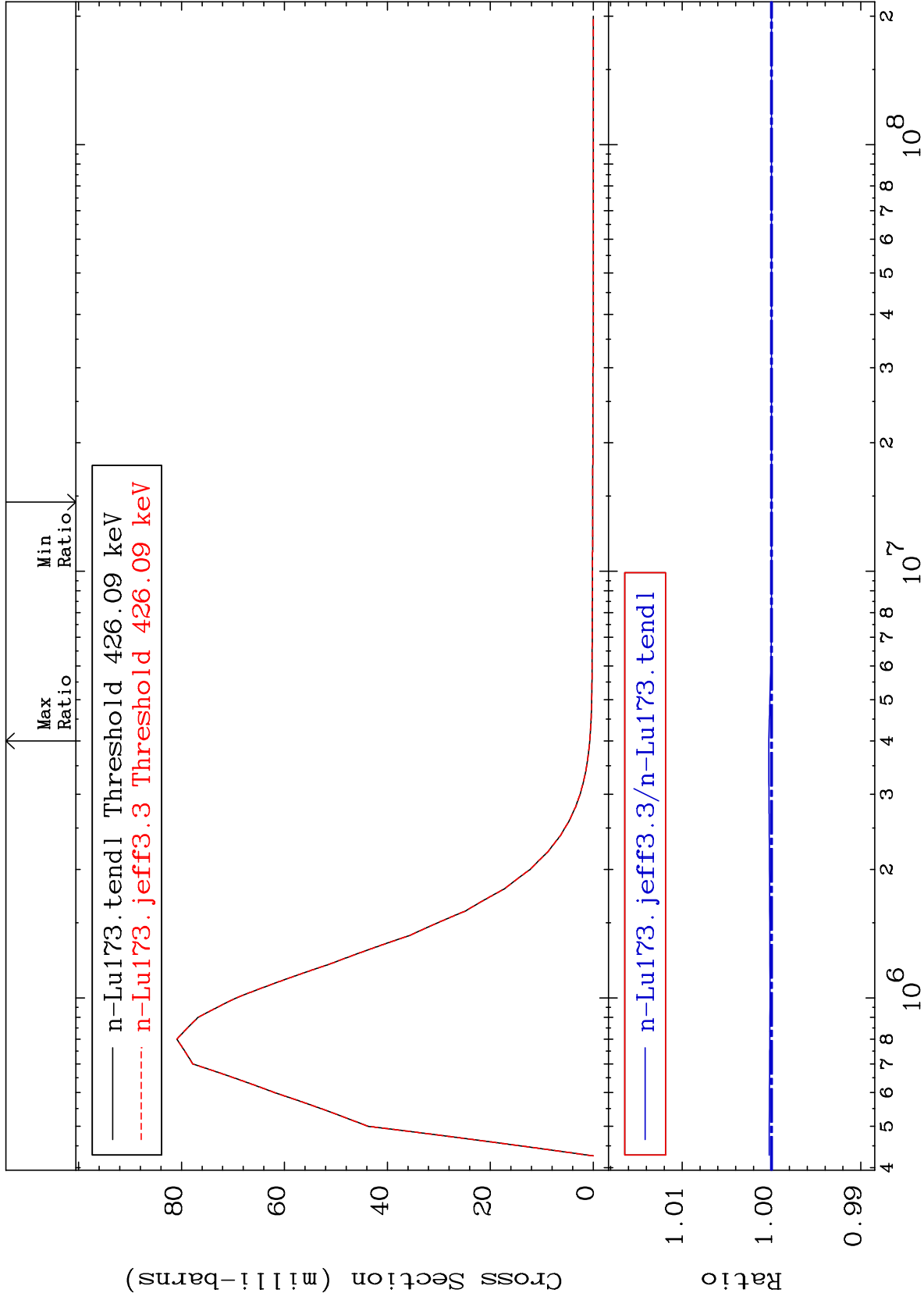


MAT 7119

MT= 59 (n,n') Level

71-Lu-173

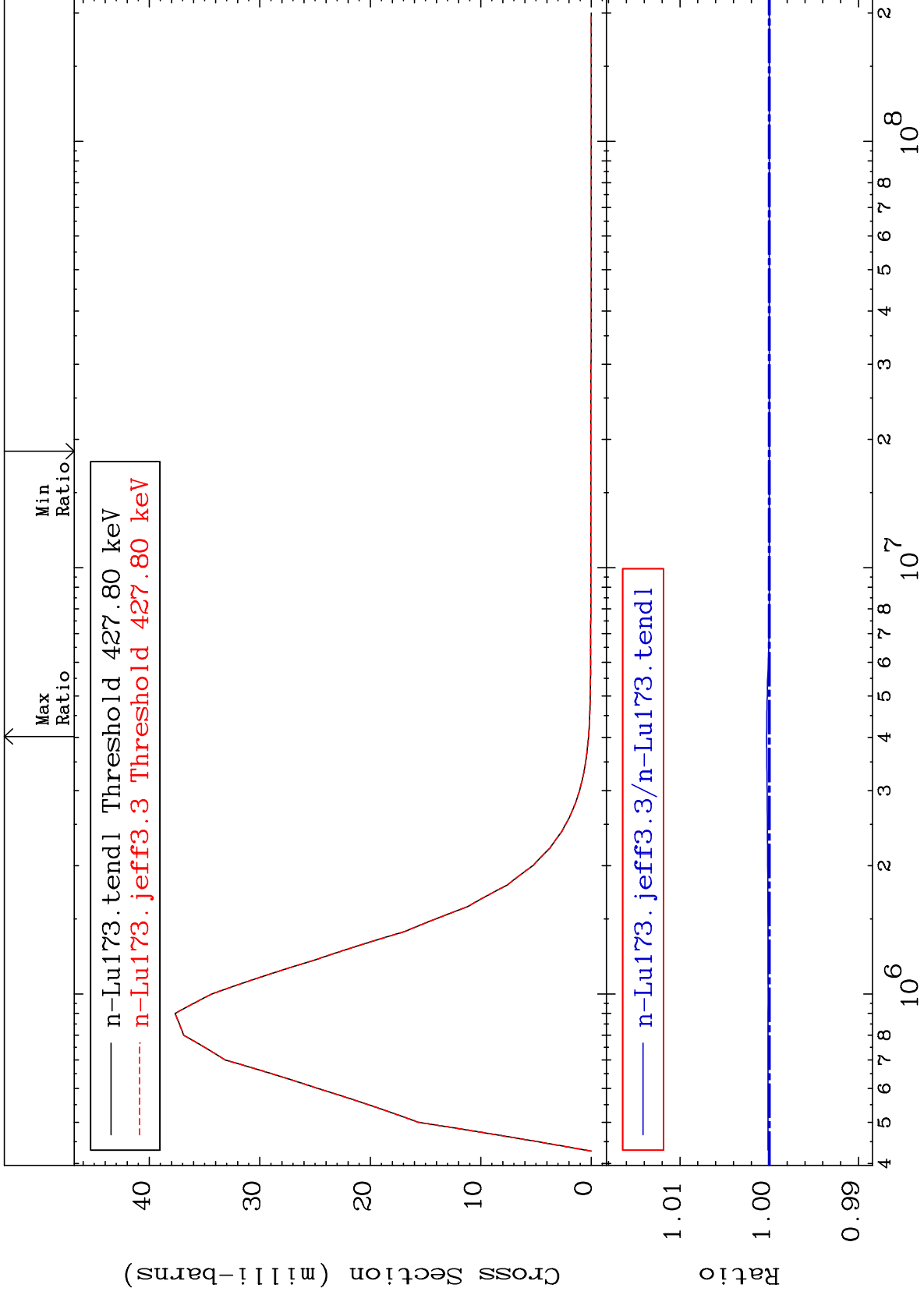
Cross Section
0.000 To 0.030 %



MAT 7119

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

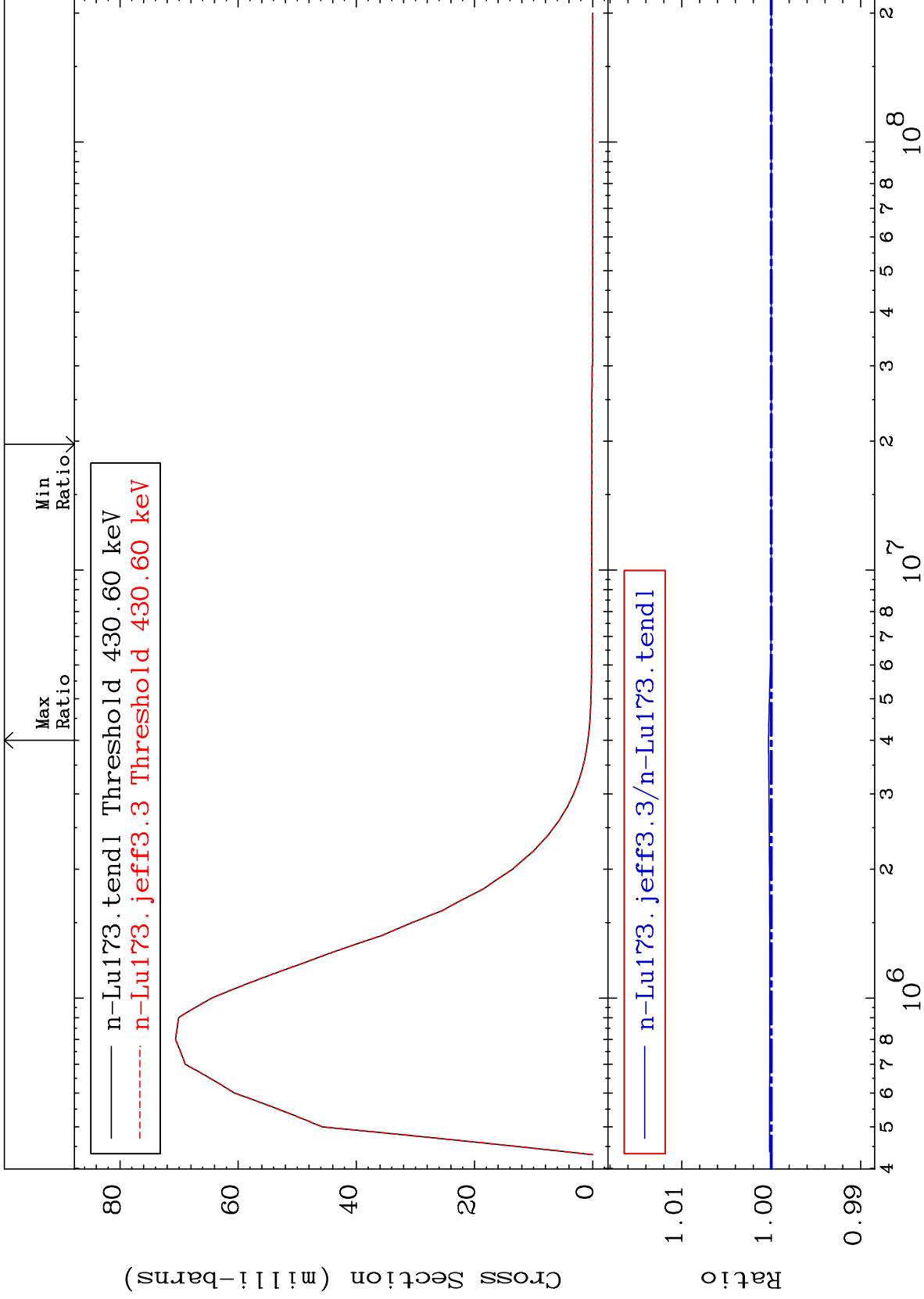
71-Lu-173
0.000 To 0.029 %



MAT 7119

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

71-Lu-173
0.000 To 0.030 %



30

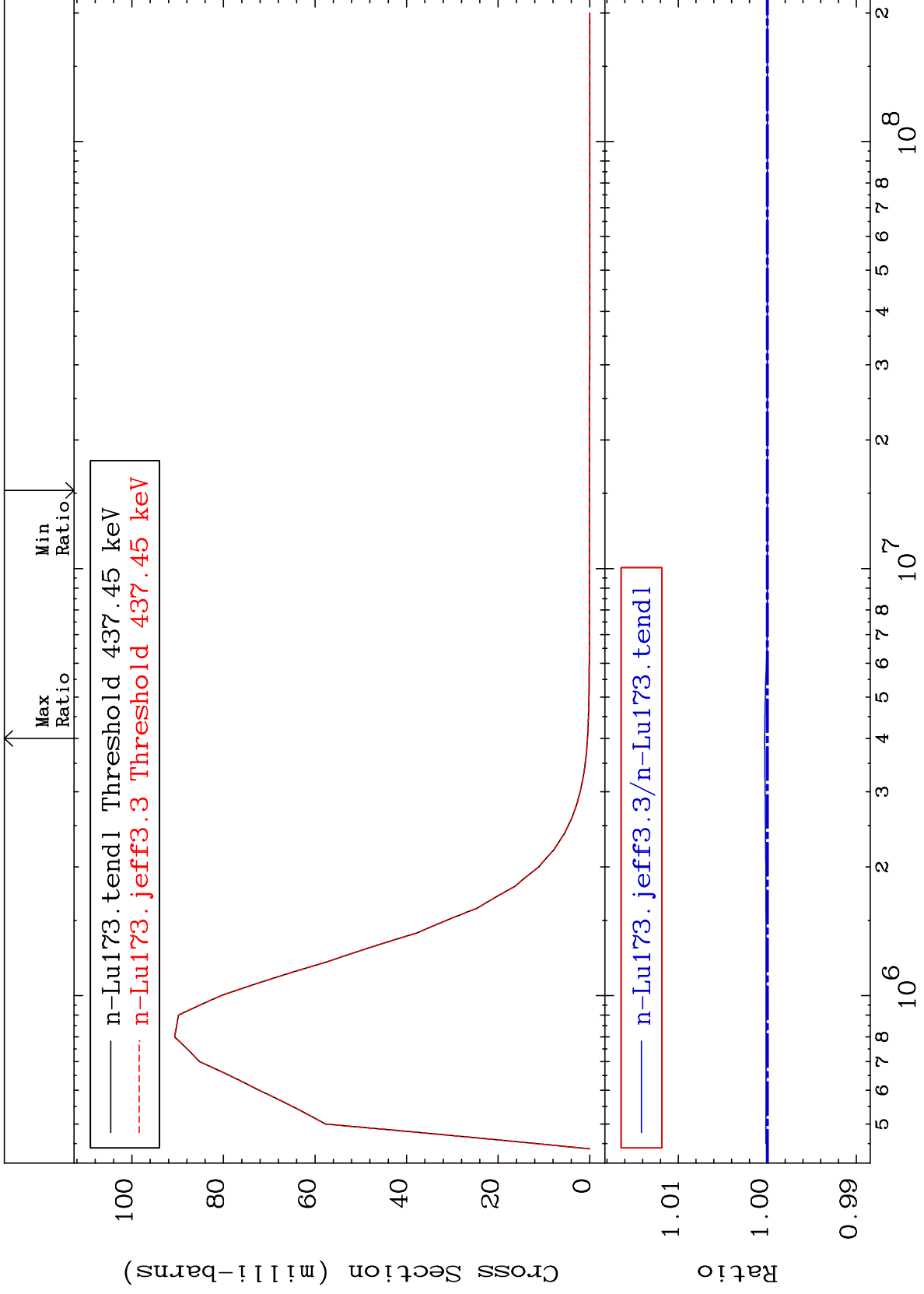
Incident Energy (eV)

71-Lu-173

MAT 7119

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

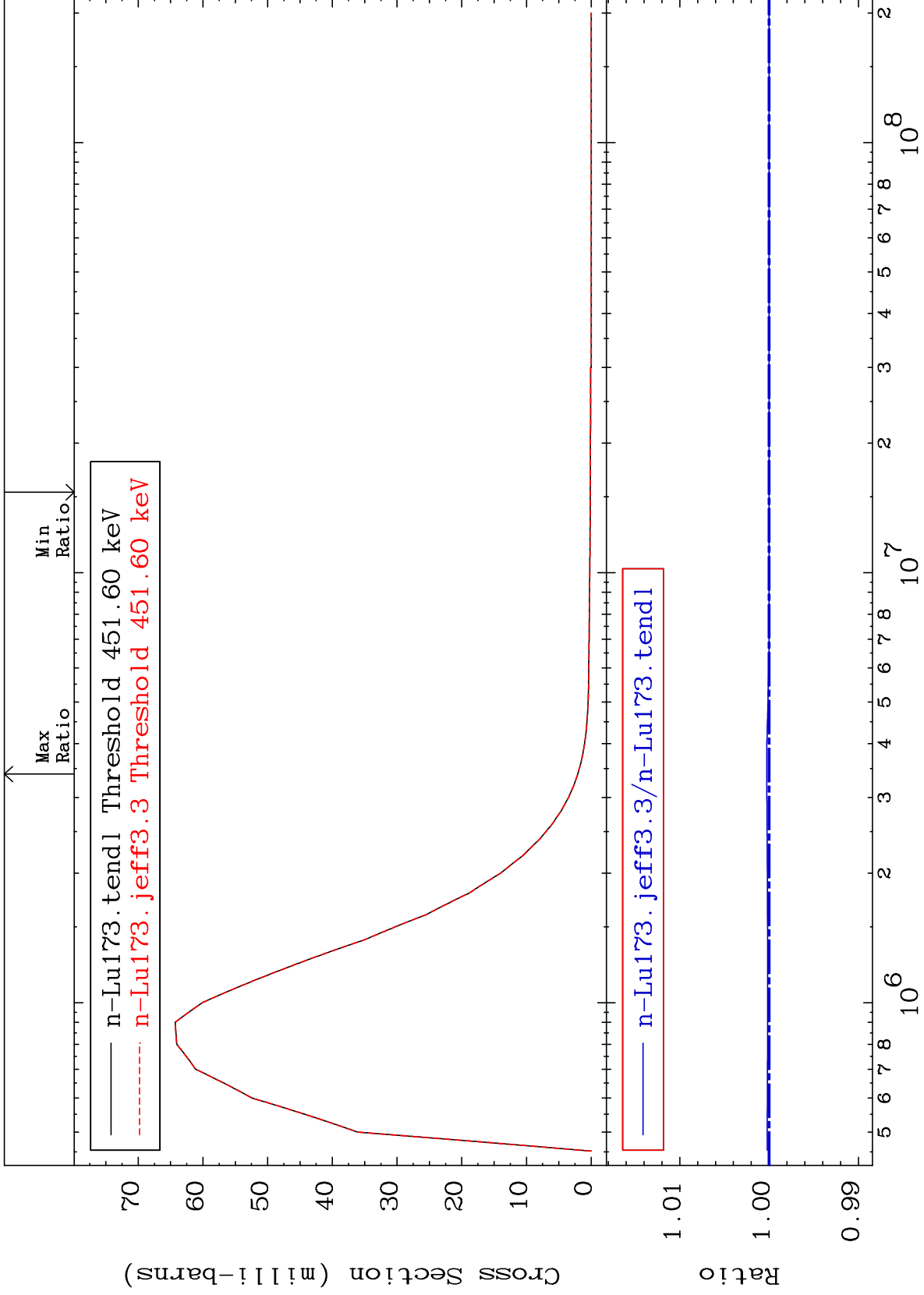
71-Lu-173
0.000 To 0.029 %



MAT 7119

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

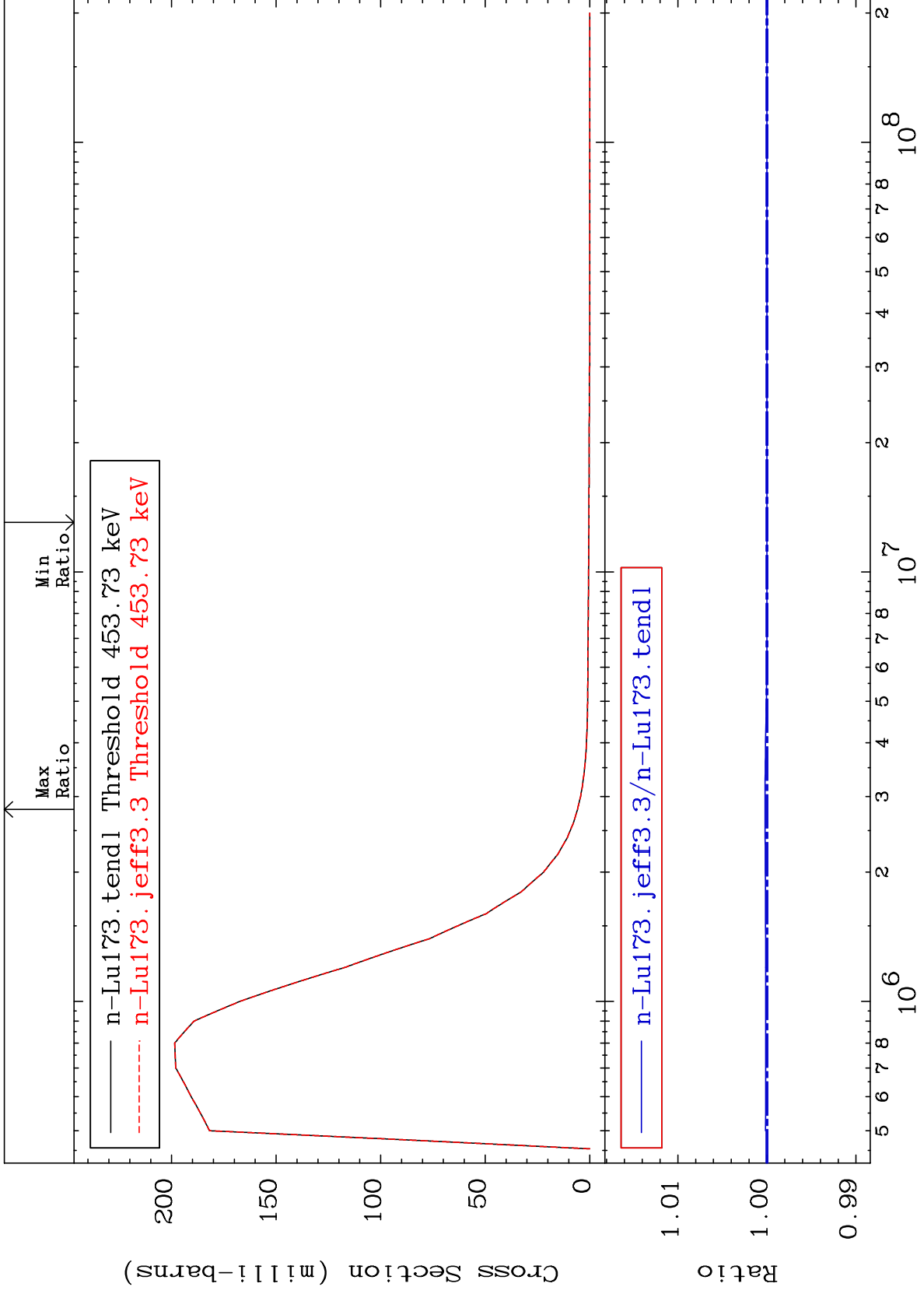
71-Lu-173
0.000 To 0.026 %



MAT 7119

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

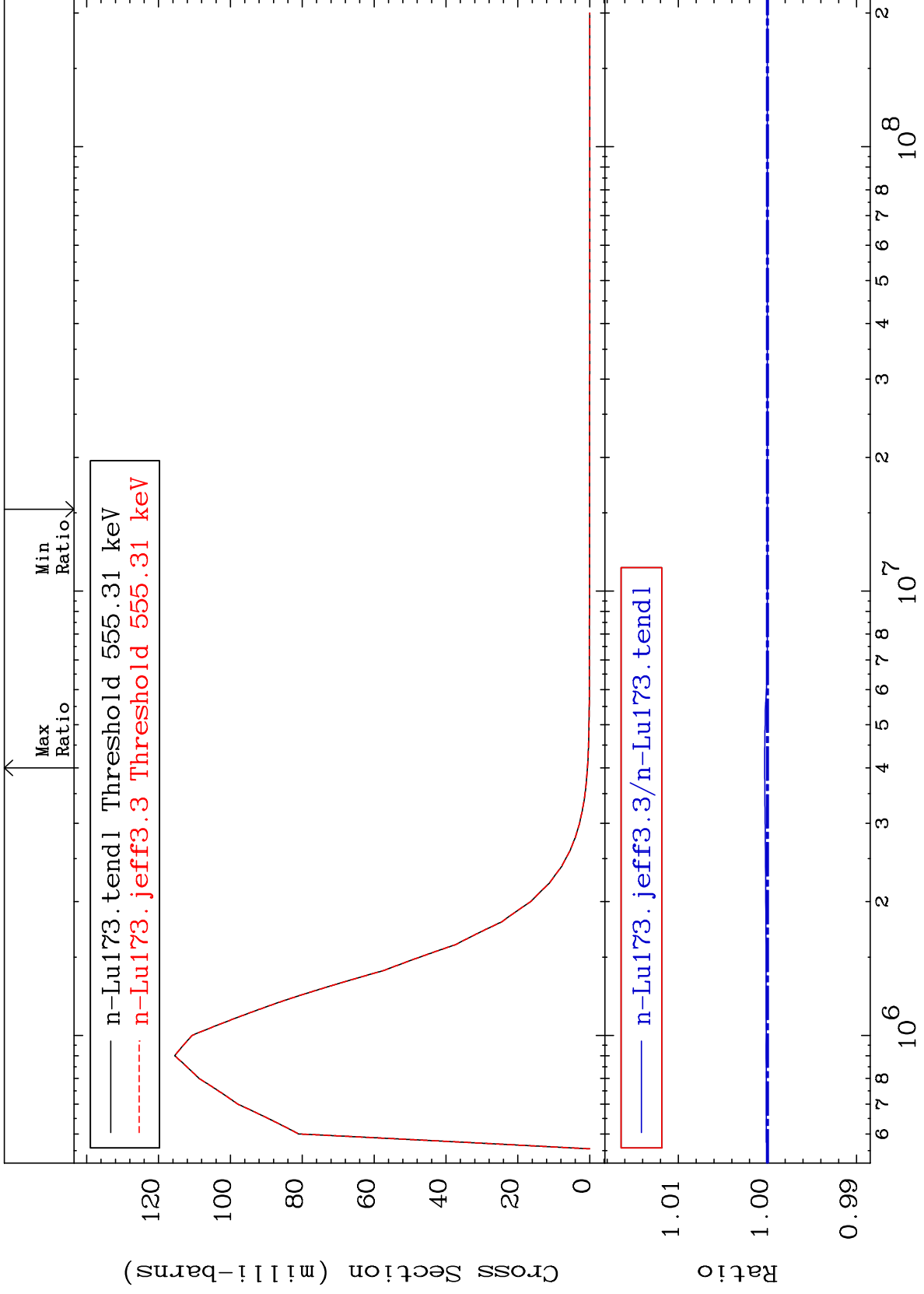
71-Lu-173
0.000 To 0.021 %



MAT 7119

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

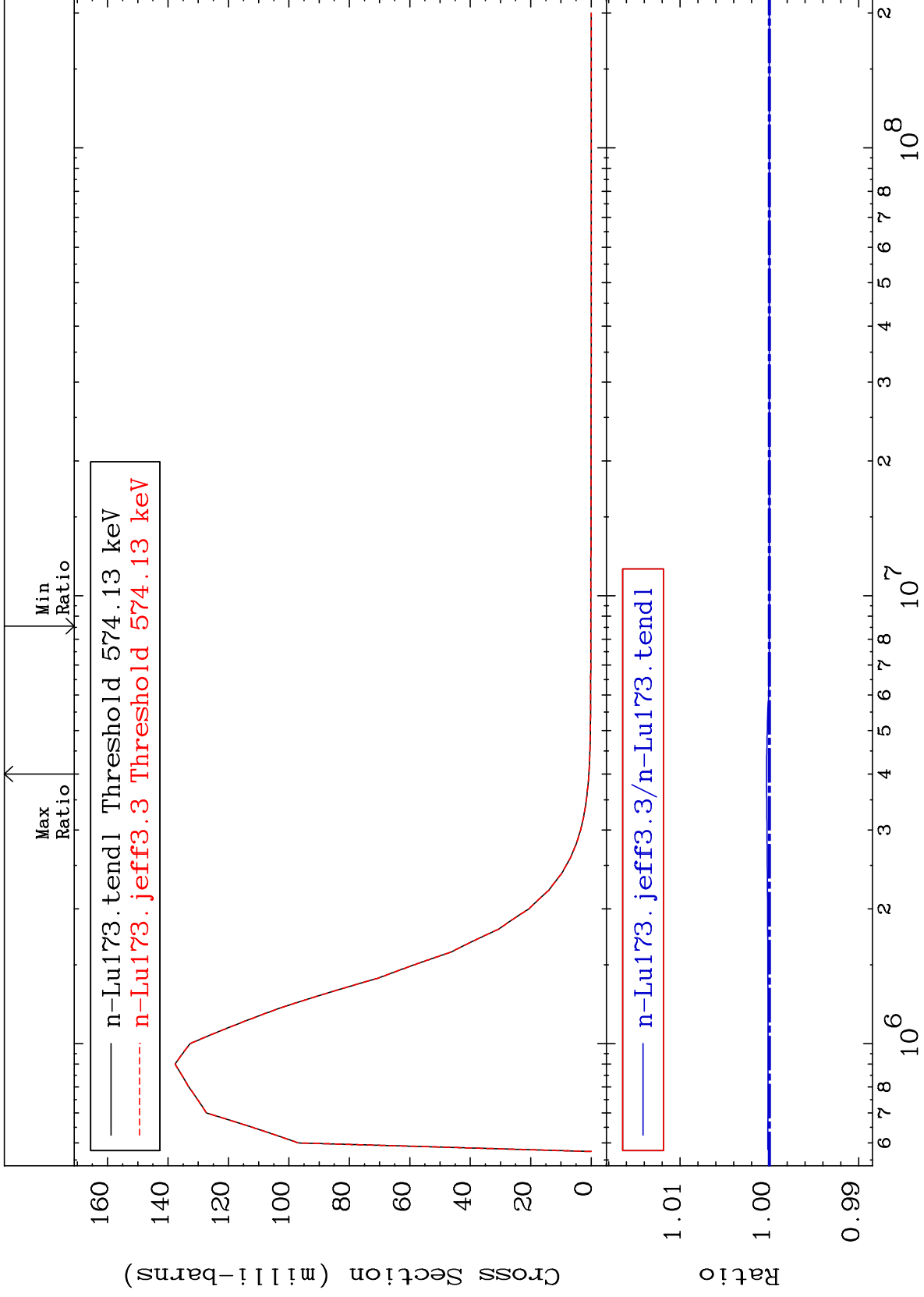
71-Lu-173
0.000 To 0.031 %



MAT 7119

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

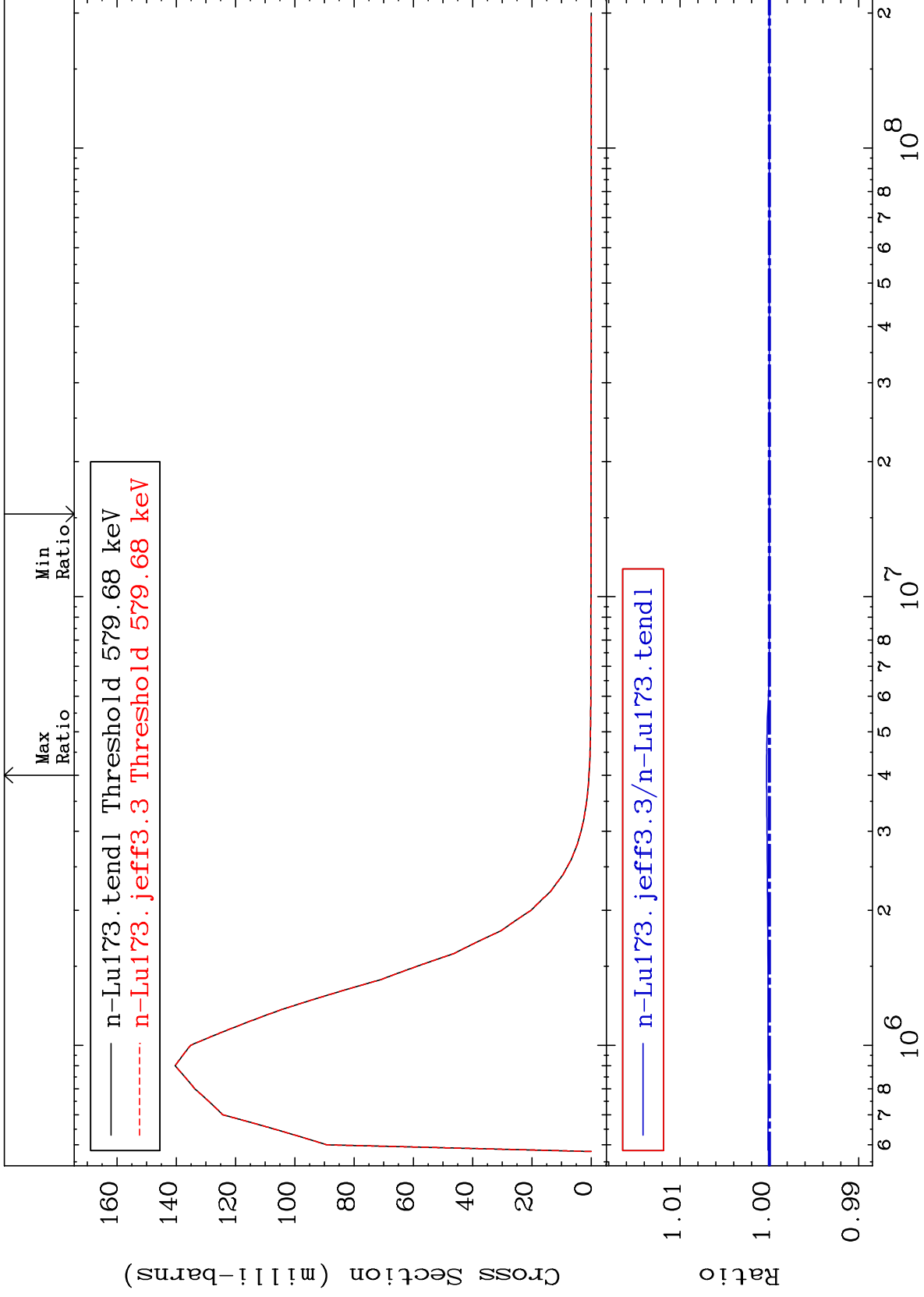
71-Lu-173
0.000 To 0.032 %



MAT 7119

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

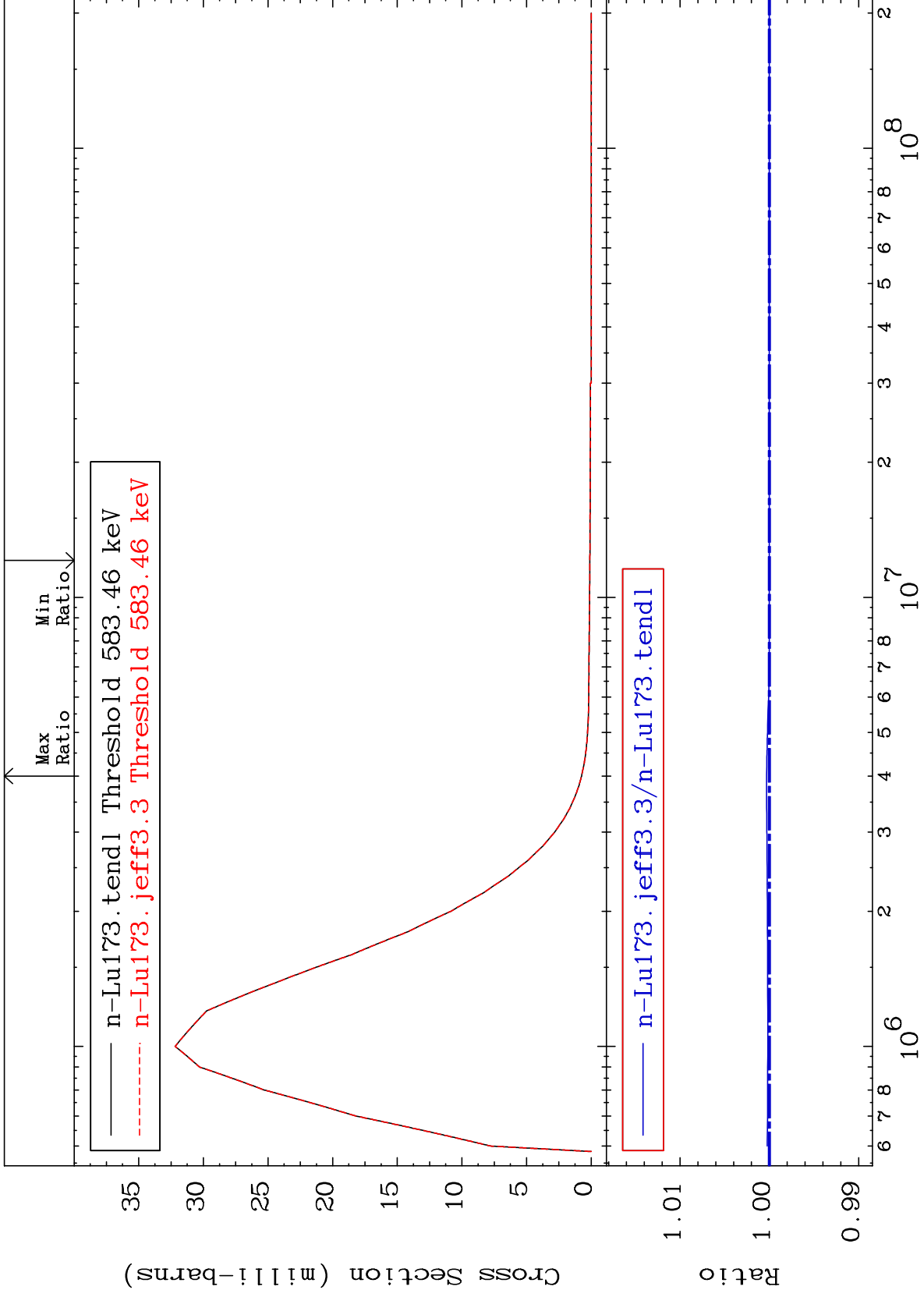
71-Lu-173
0.000 To 0.032 %



MAT 7119

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

71-Lu-173
0.000 To 0.031 %



37

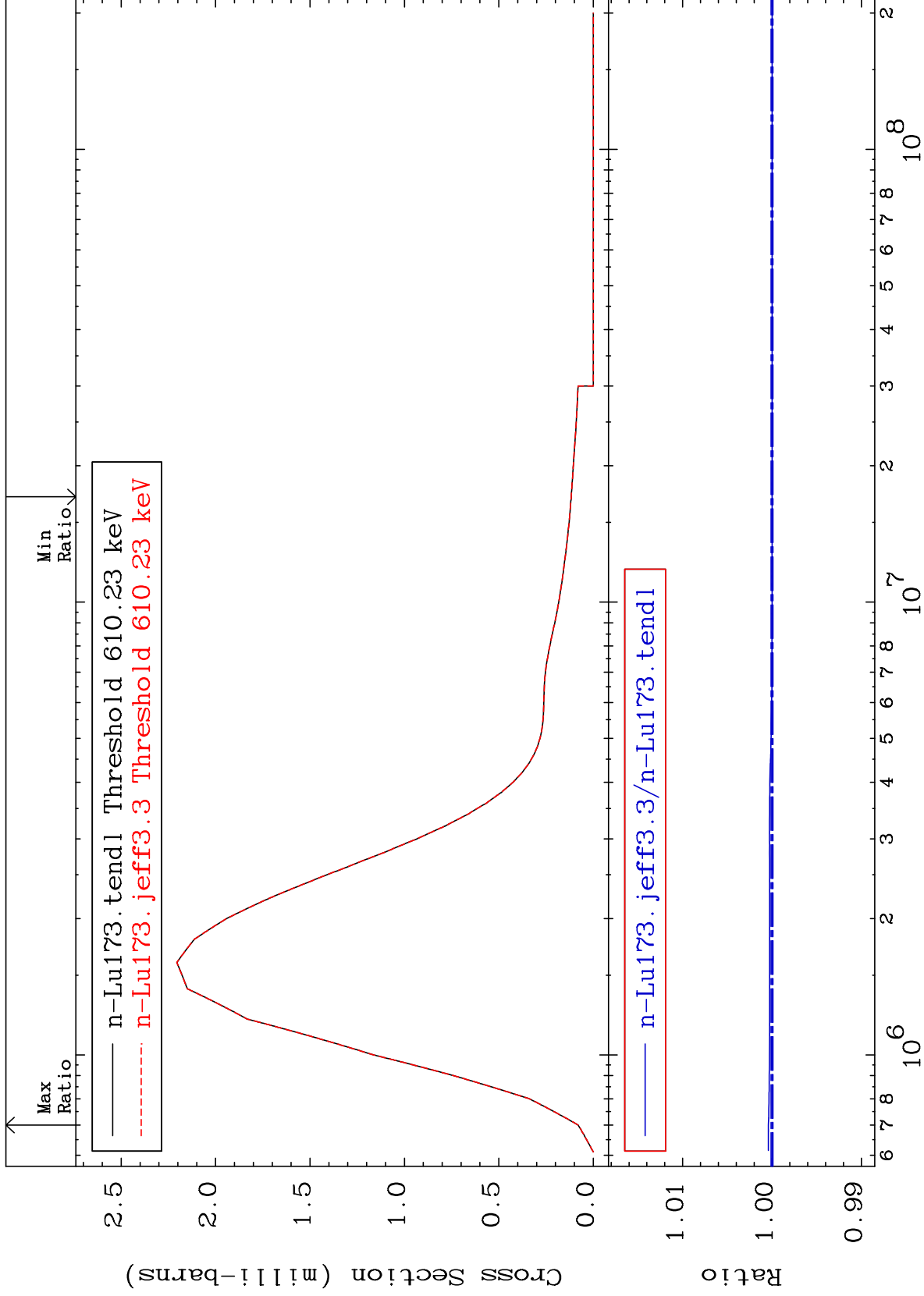
Incident Energy (eV)

71-Lu-173

MAT 7119

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

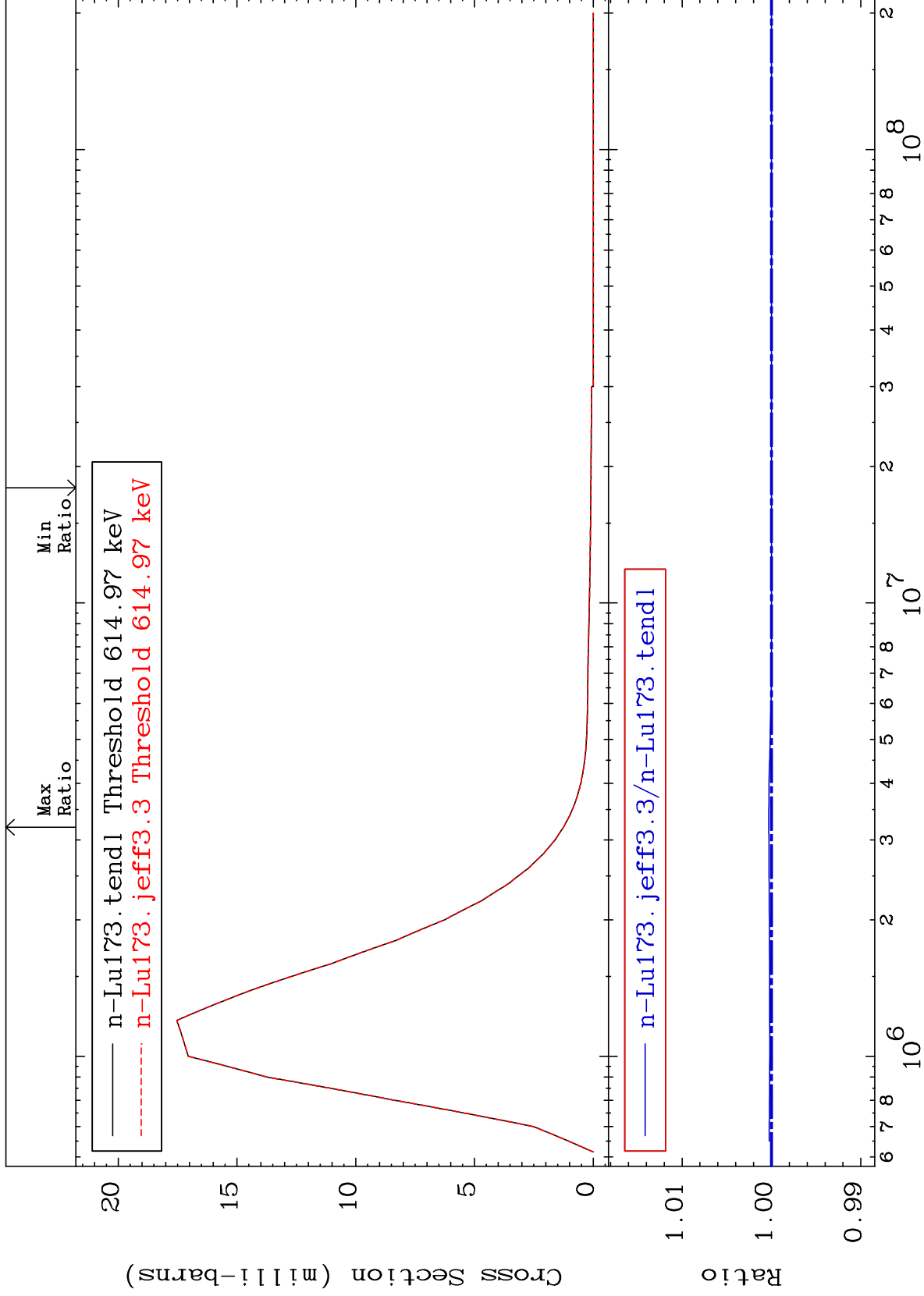
71-Lu-173
0.000 To 0.041 %



MAT 7119

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

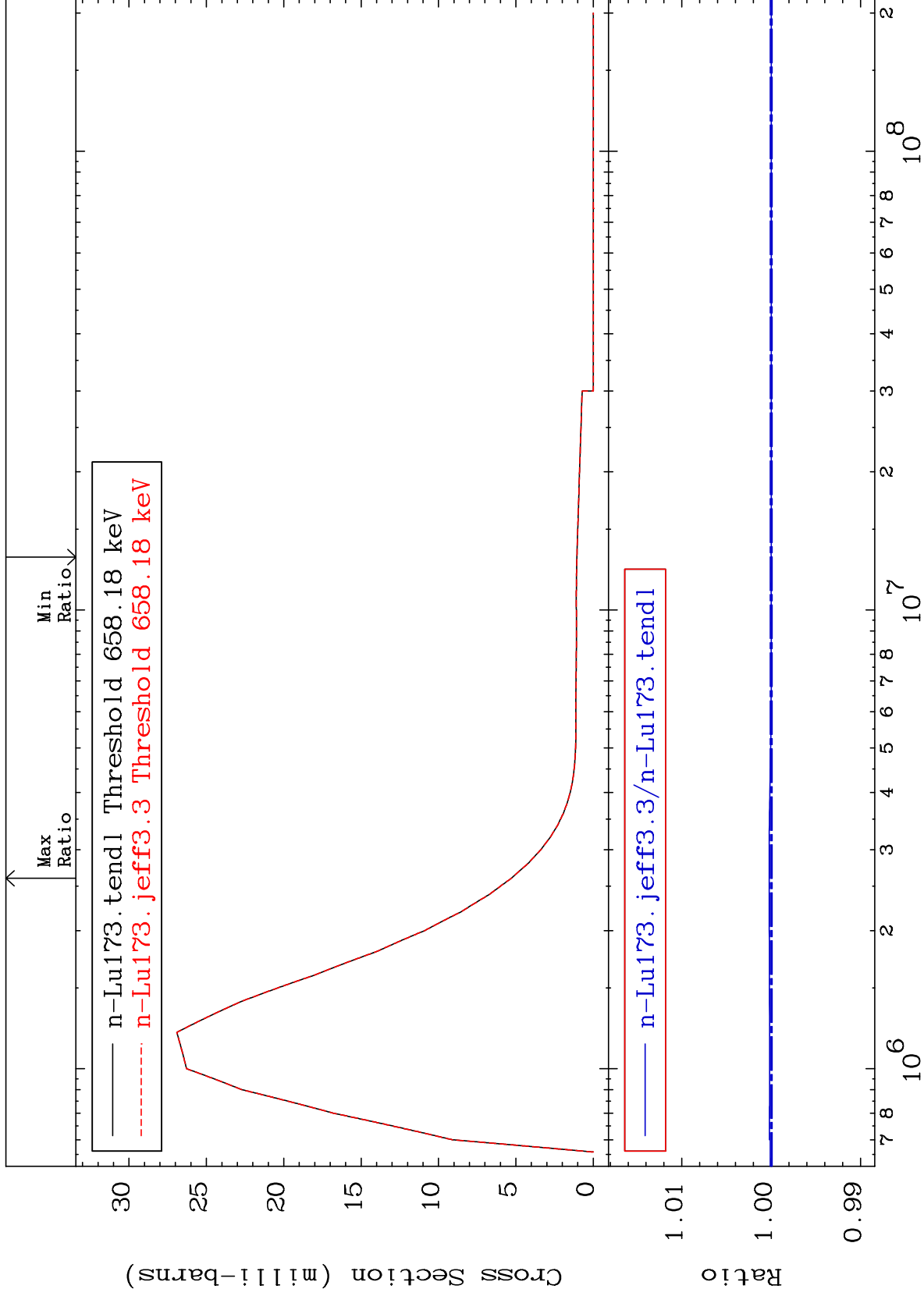
71-Lu-173
0.000 To 0.030 %



MAT 7119

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

71-Lu-173
0.000 To 0.023 %



40

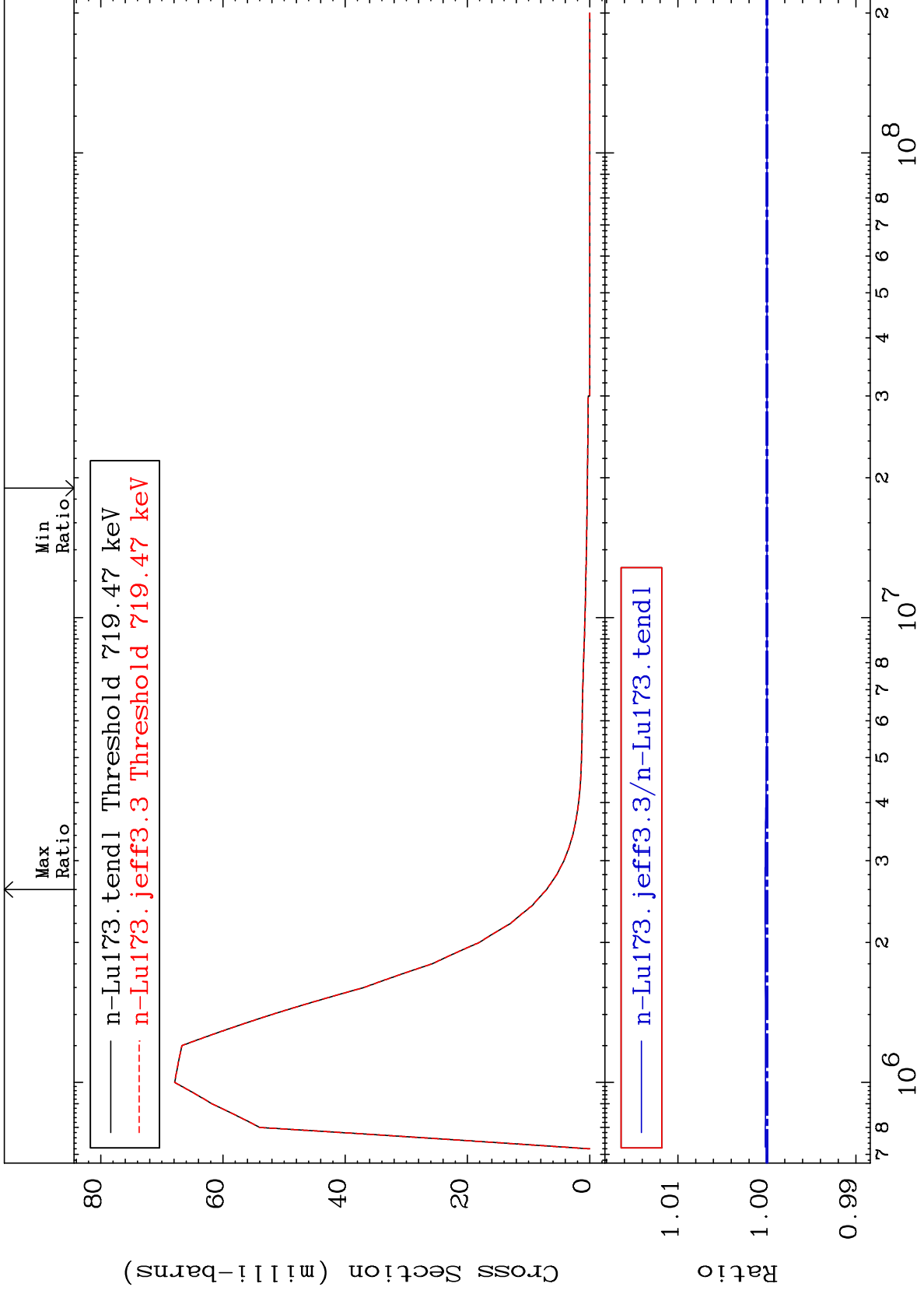
Incident Energy (eV)

71-Lu-173

MAT 7119

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

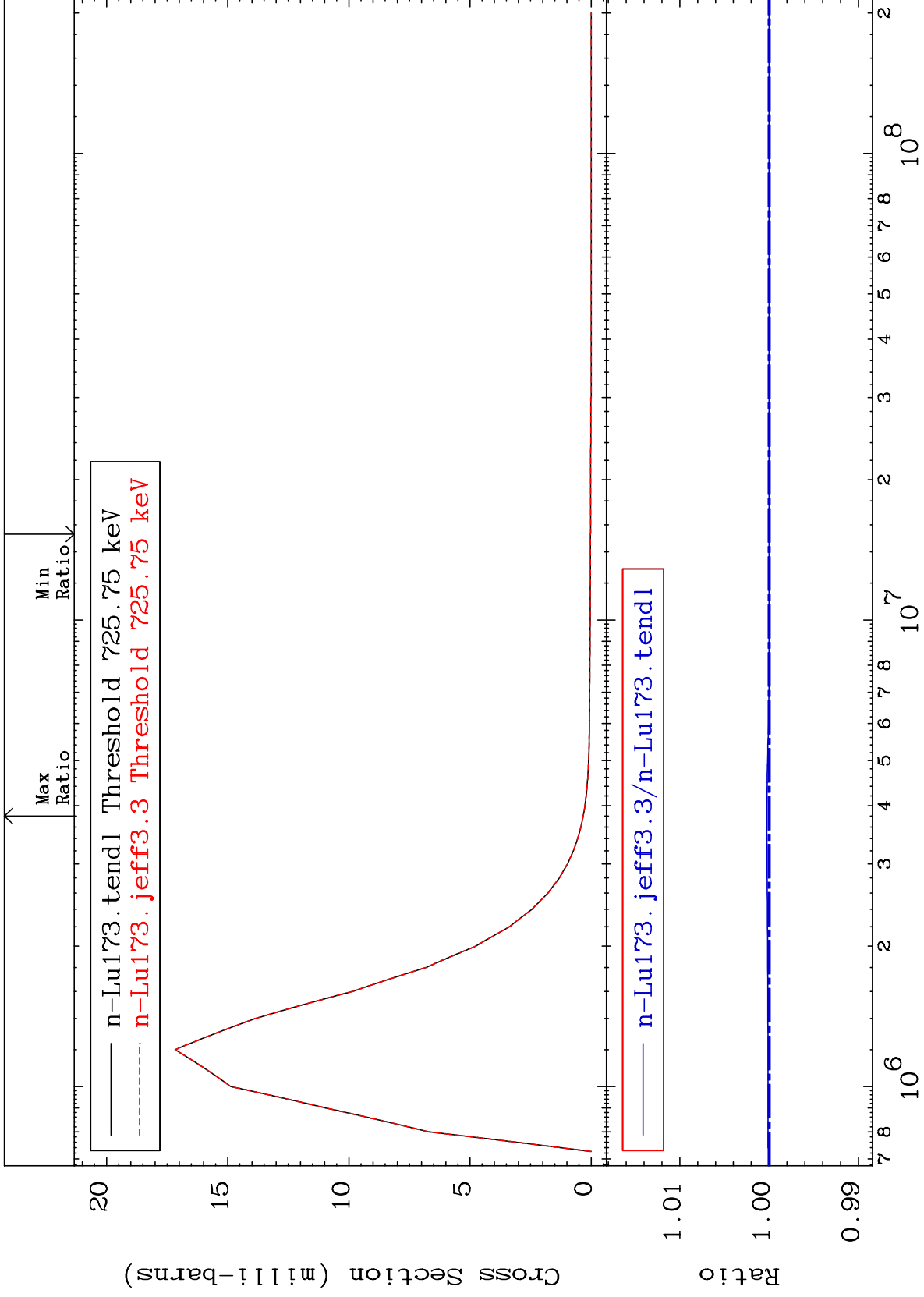
71-Lu-173
0.000 To 0.021 %



MAT 7119

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

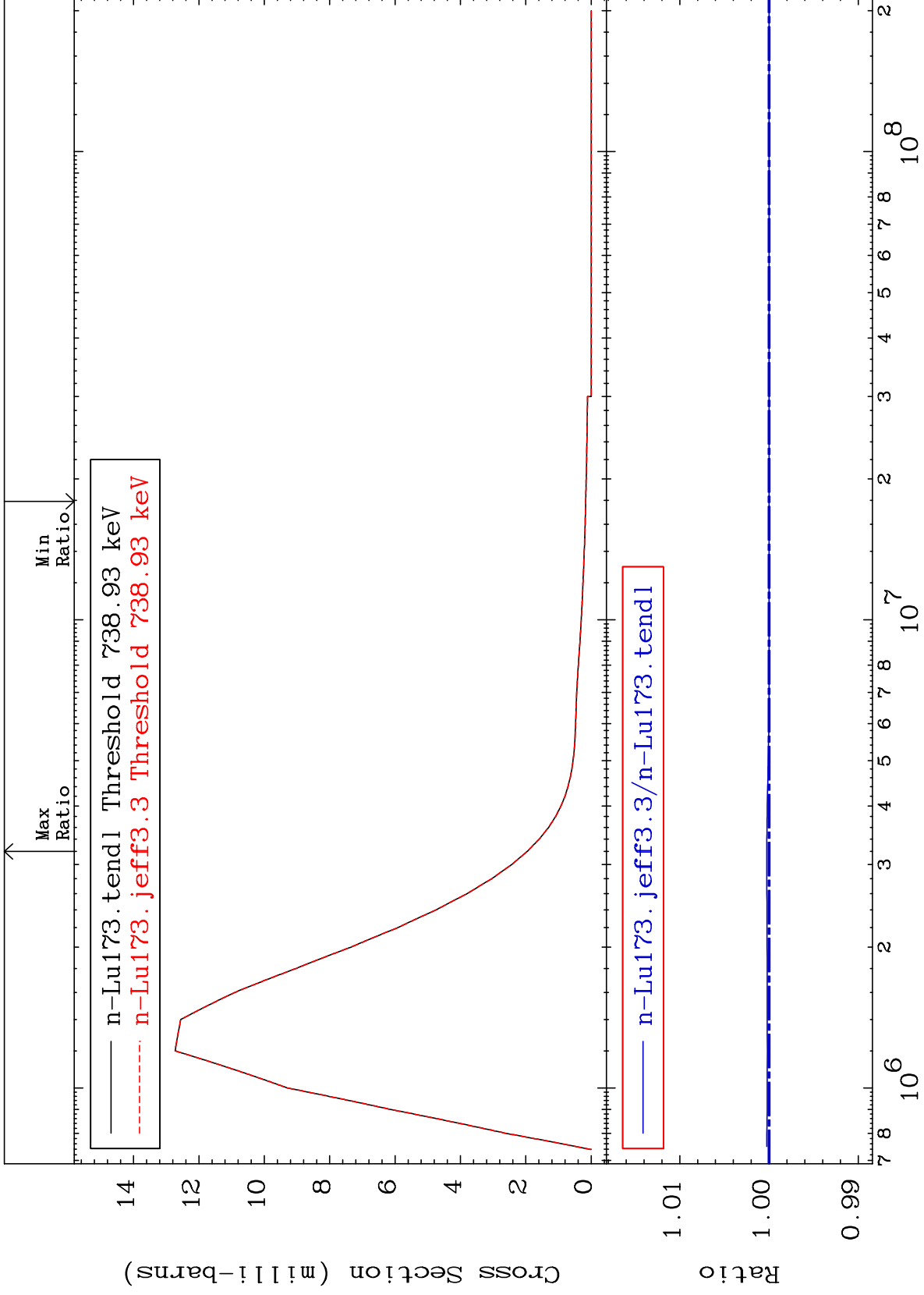
71-Lu-173
0.000 To 0.026 %



MAT 7119

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

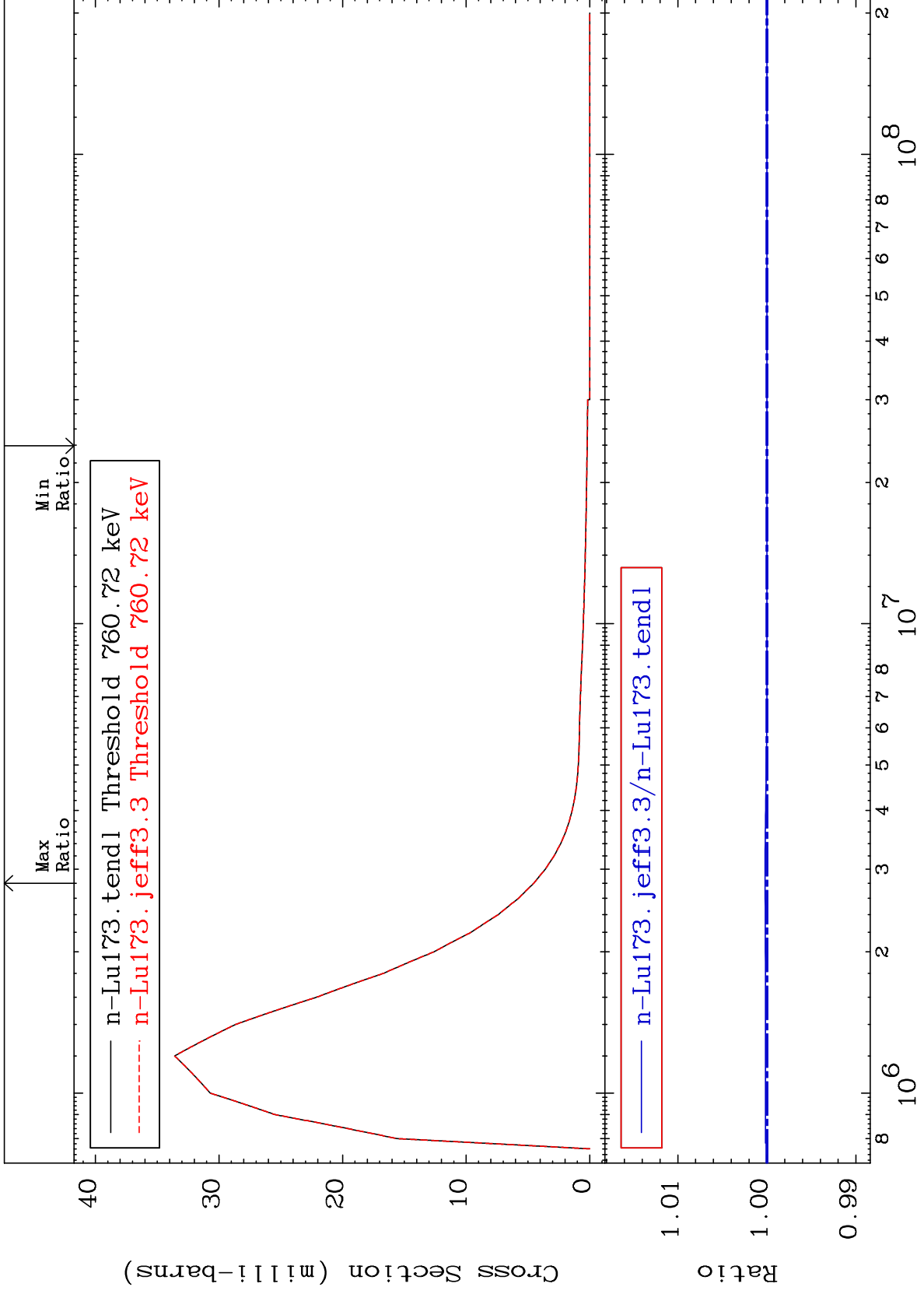
71-Lu-173
0.000 To 0.025 %



MAT 7119

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

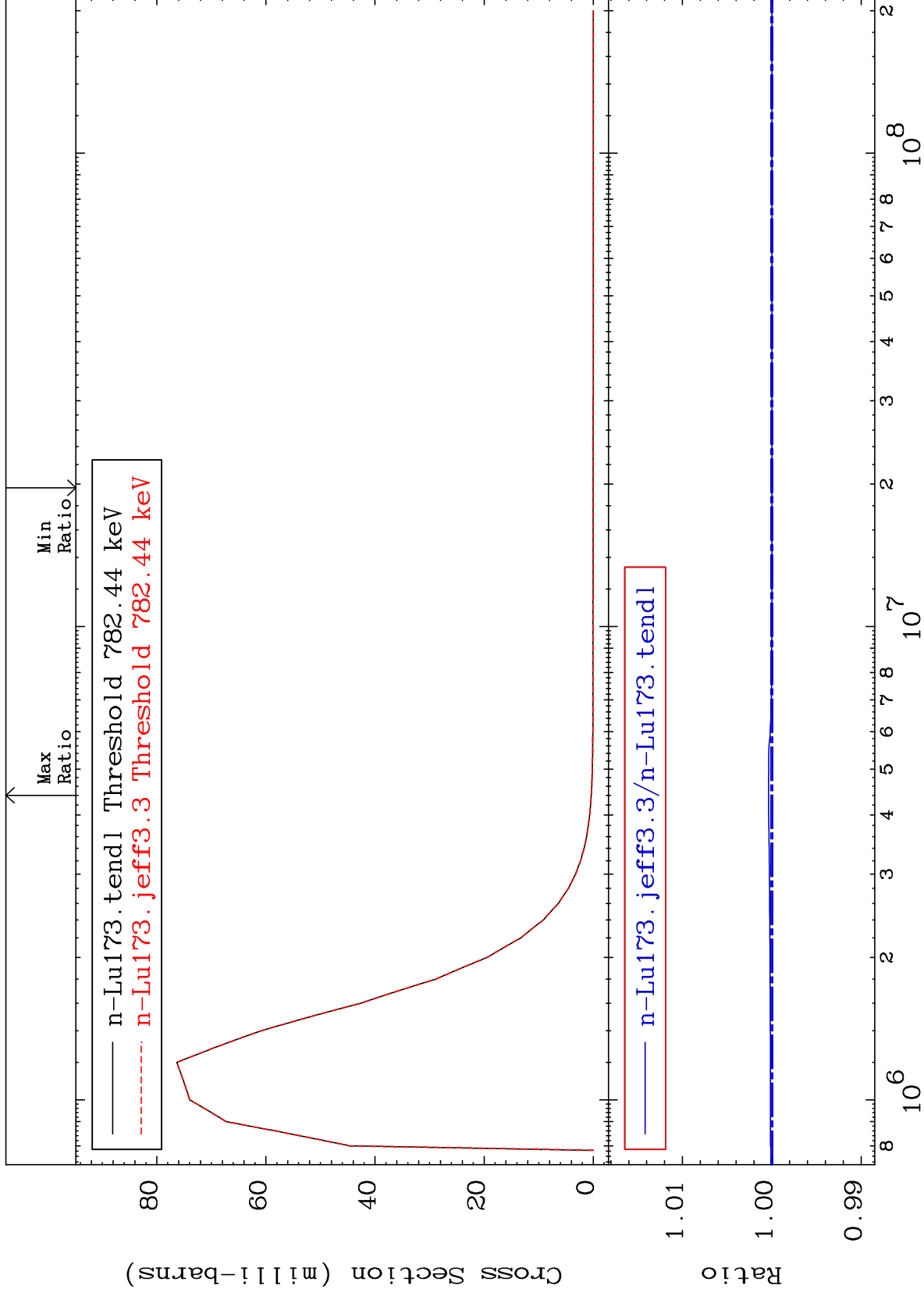
71-Lu-173
0.000 To 0.020 %



MAT 7119

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

71-Lu-173
0.000 To 0.037 %



45

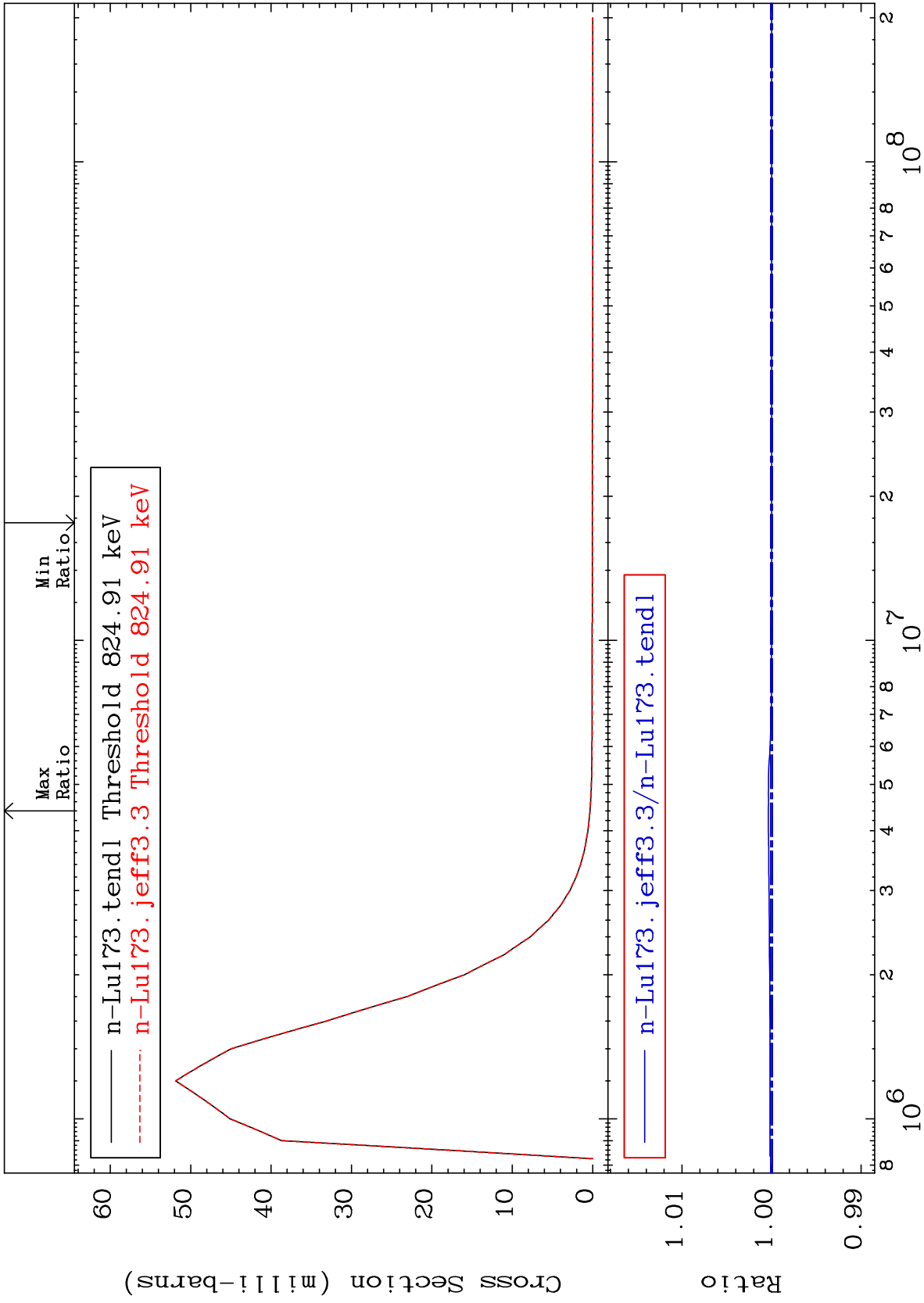
Incident Energy (eV)

71-Lu-173

MAT 7119

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

71-Lu-173
0.000 To 0.037 %



46

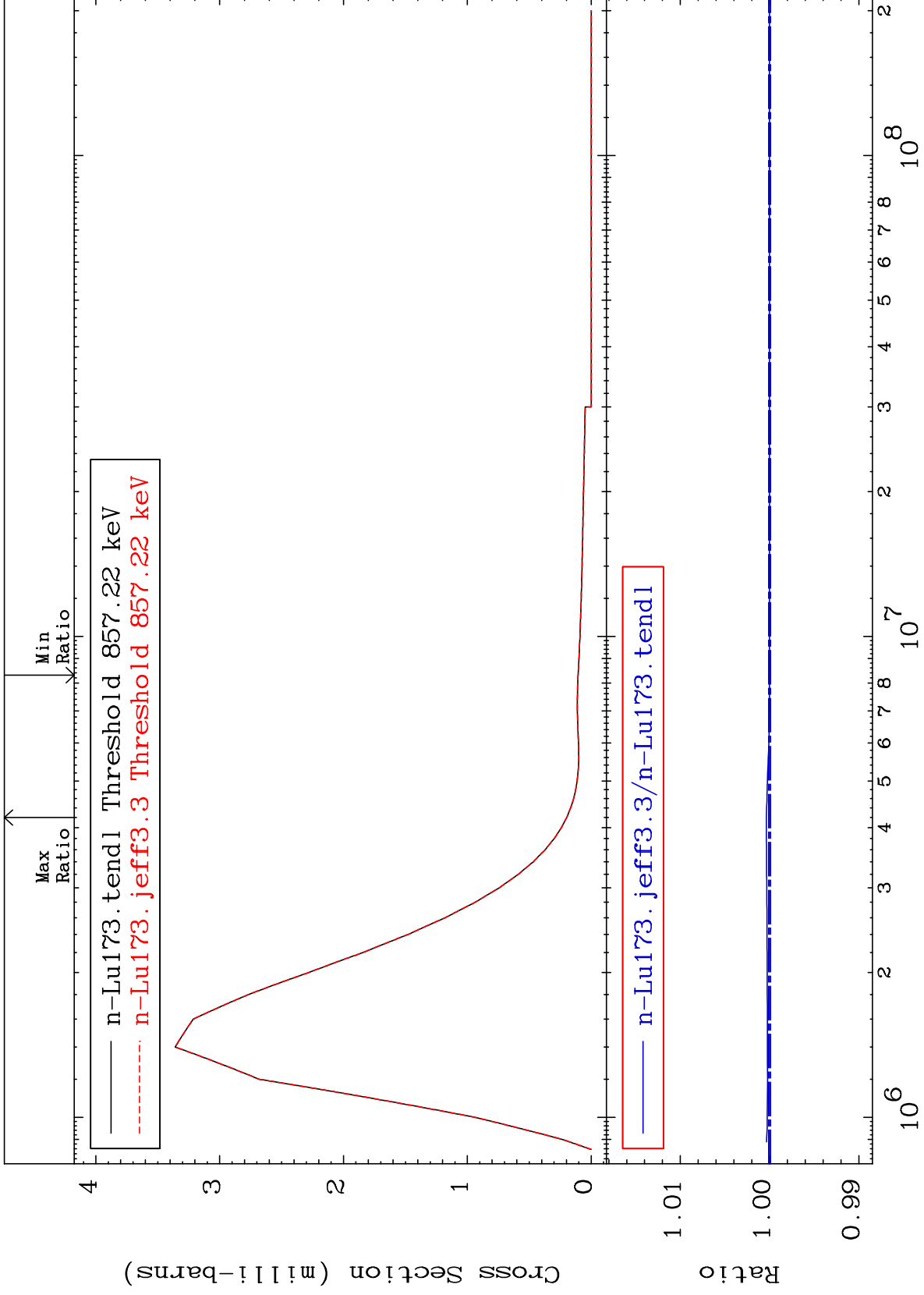
Incident Energy (eV)

71-Lu-173

MAT 7119

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

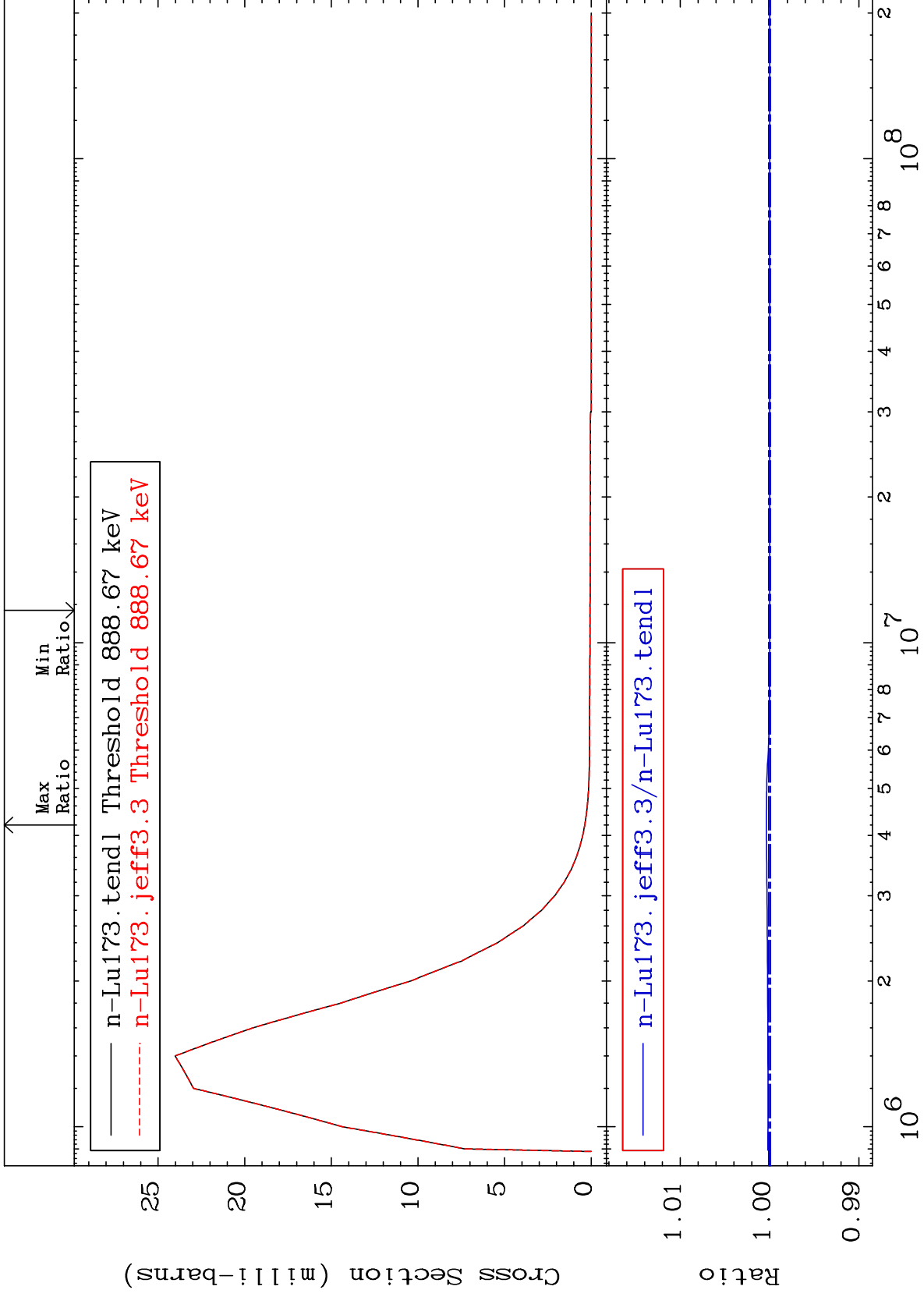
71-Lu-173
0.000 To 0.036 %



MAT 7119

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

71-Lu-173
0.000 To 0.037 %



48

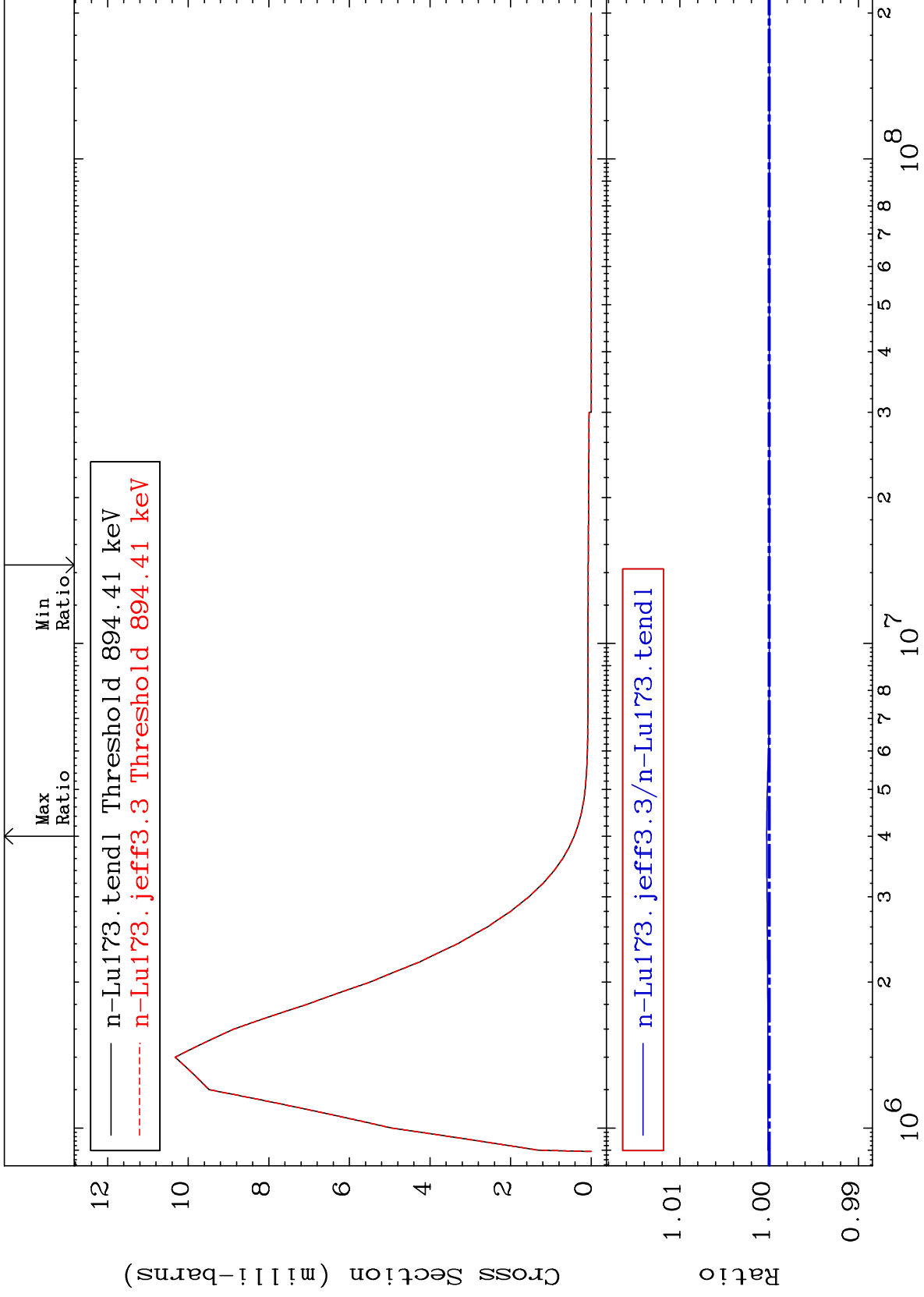
Incident Energy (eV)

71-Lu-173

MAT 7119

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

71-Lu-173
0.000 To 0.029 %



49

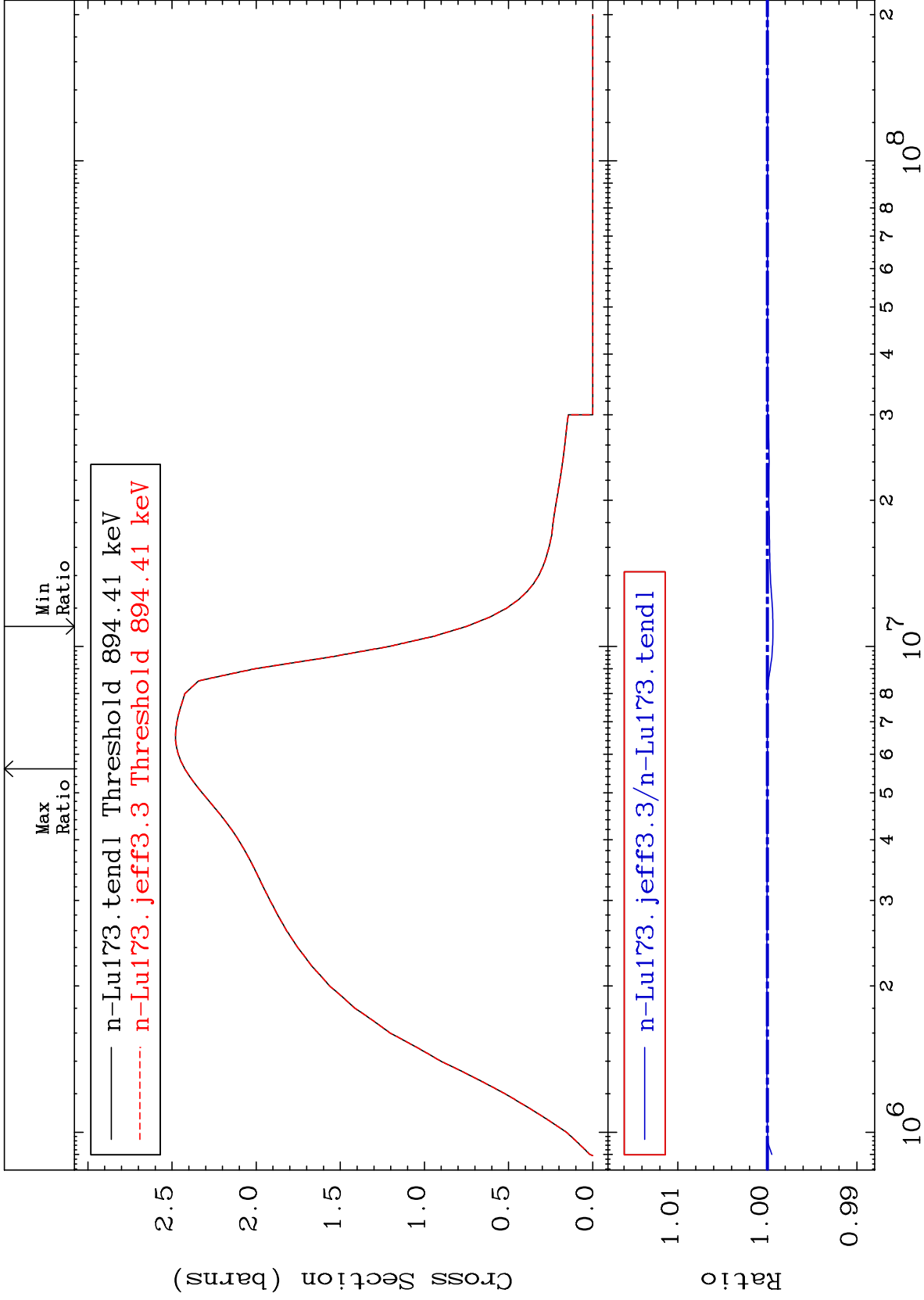
Incident Energy (eV)

71-Lu-173

MAT 7119

(n, n') Continuum
Cross Section

71-Lu-173
-0.062 To 0.006 %



50

Incident Energy (eV)

71-Lu-173

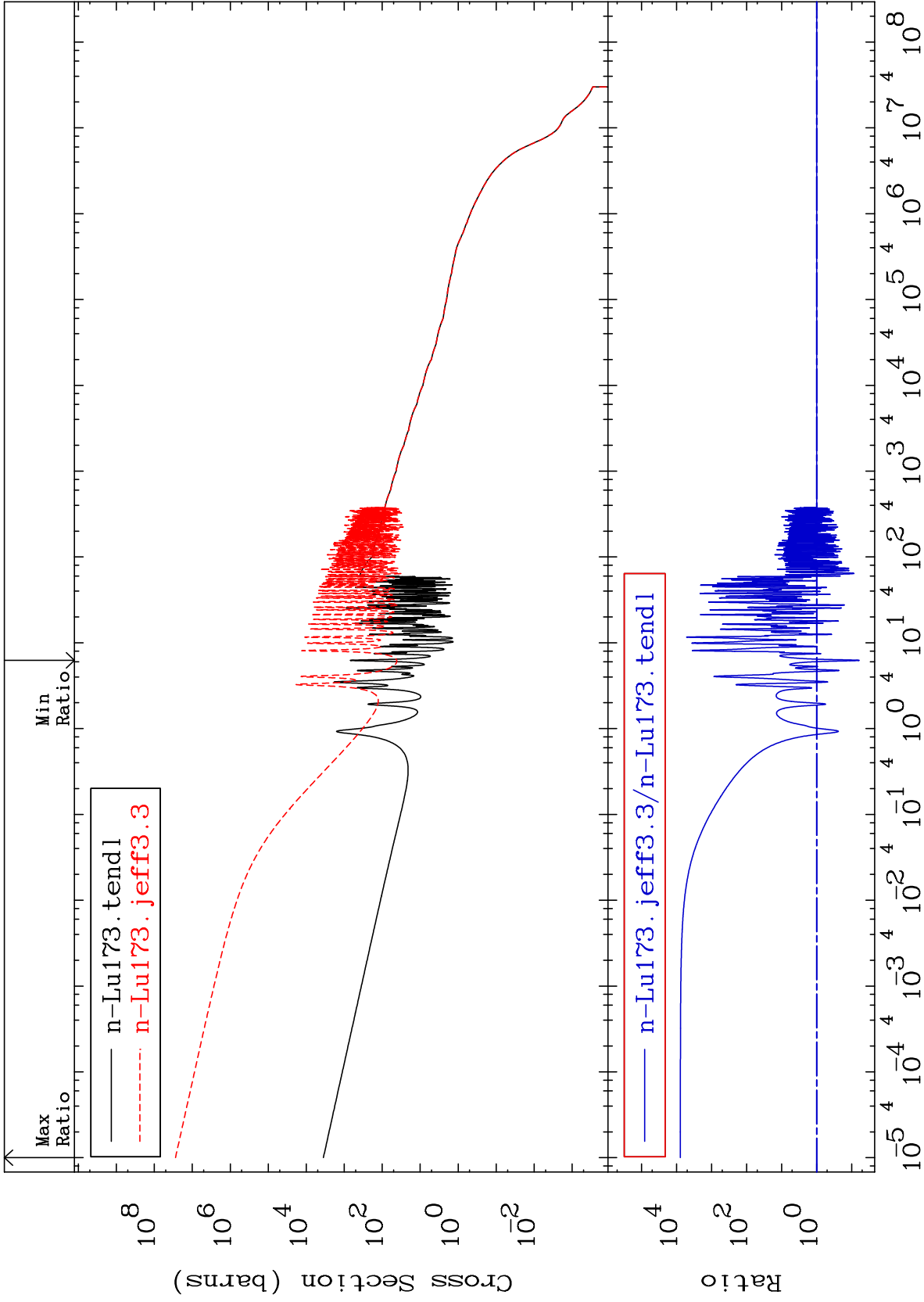
MAT 7119

(n, γ)

71-Lu-173

Cross Section

-94.02 To 9999. %



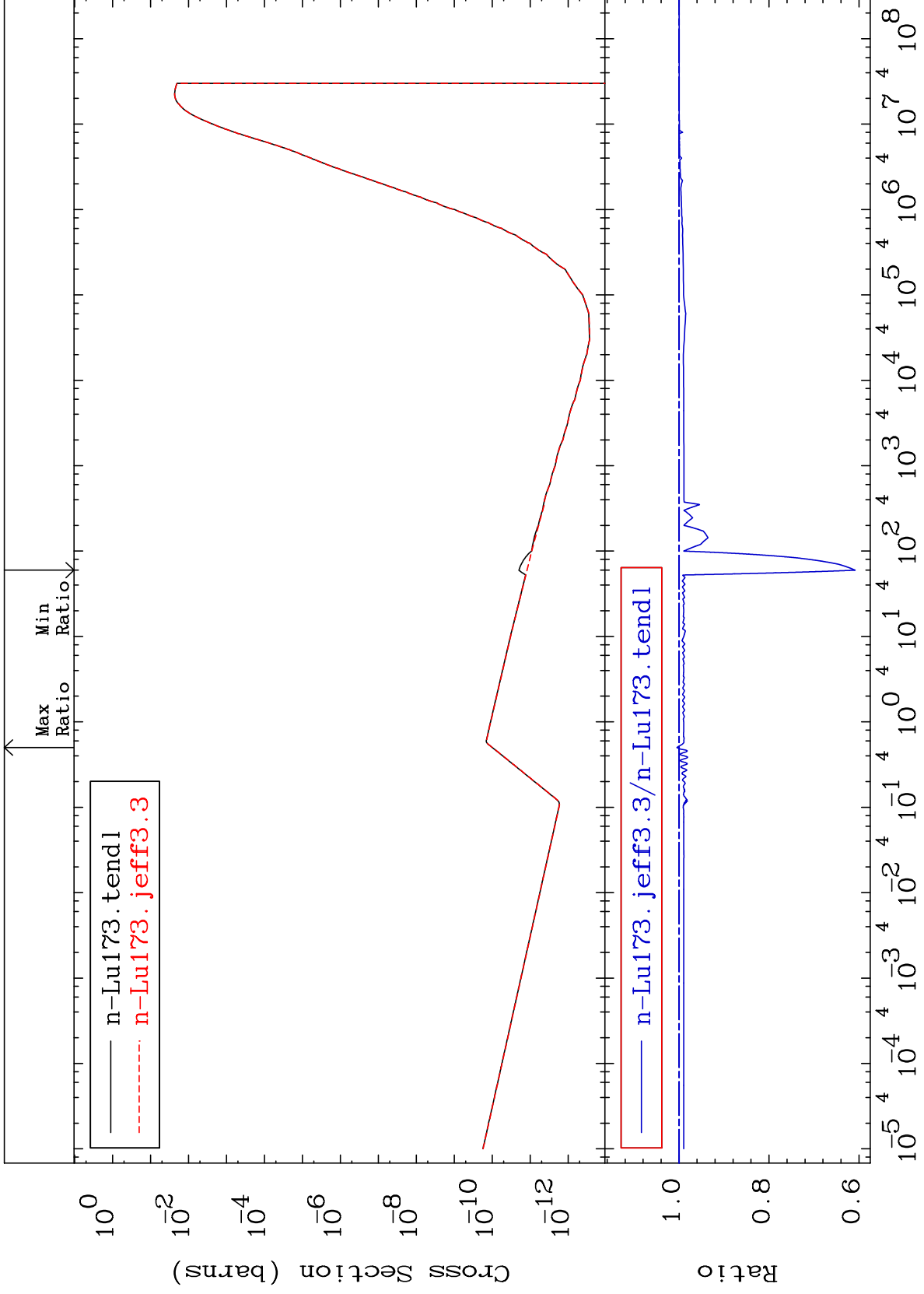
MAT 7119

(n,p)

71-Lu-173

Cross Section

-39.14 To 0.484 %

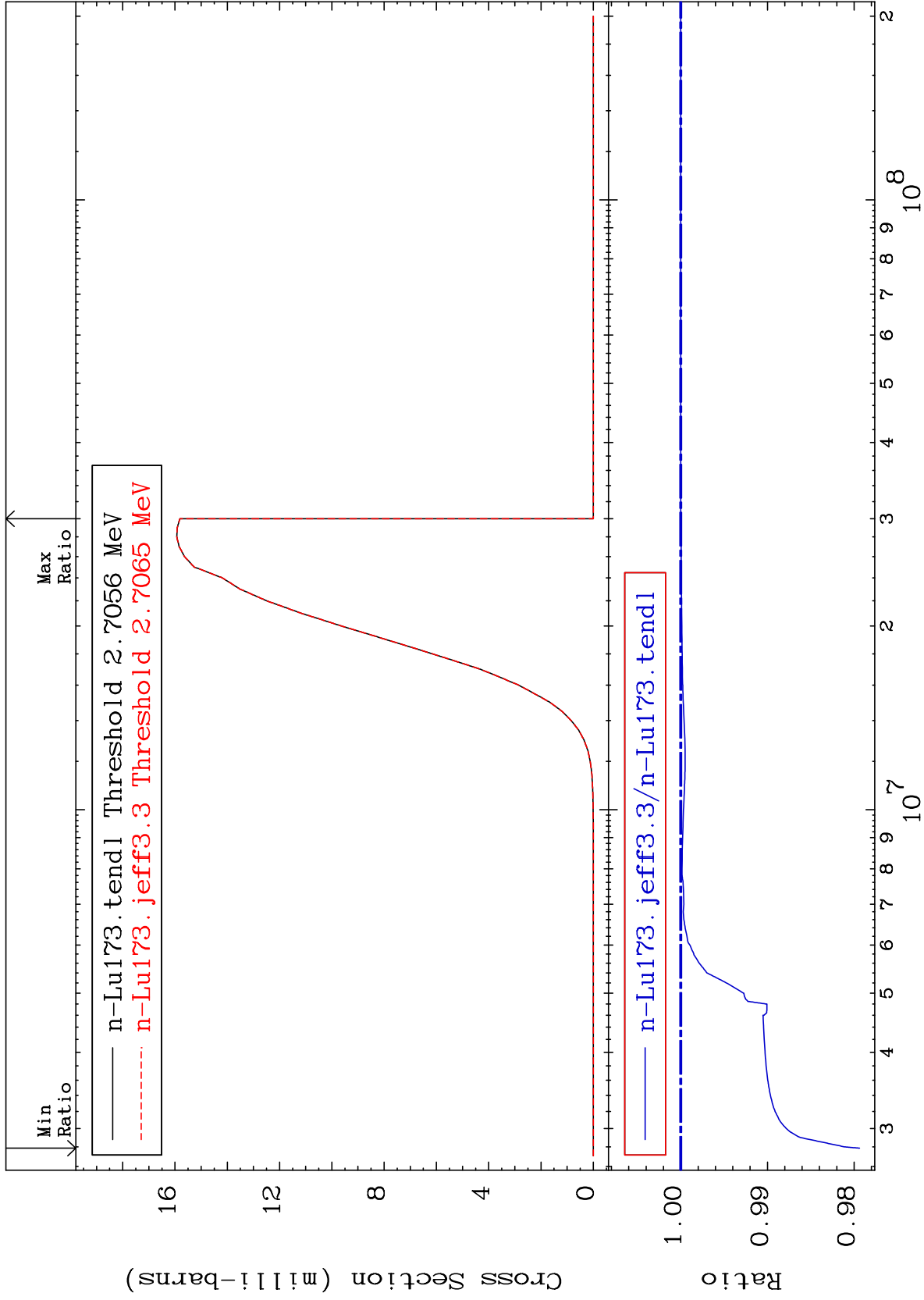


MAT 7119

⁷¹Lu-173

(n, d)
Cross Section

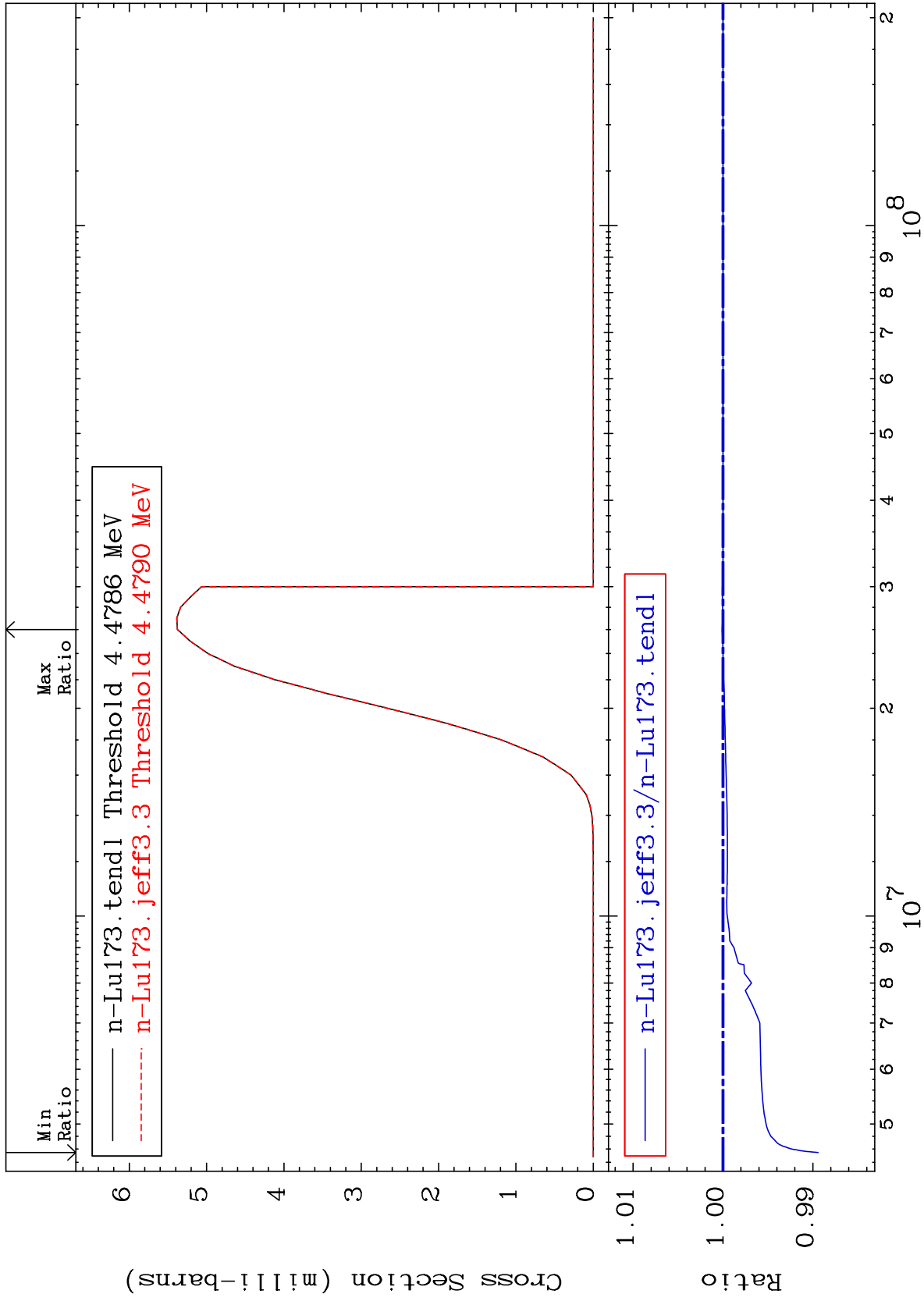
-2.062 To 0.000 %



MAT 7119

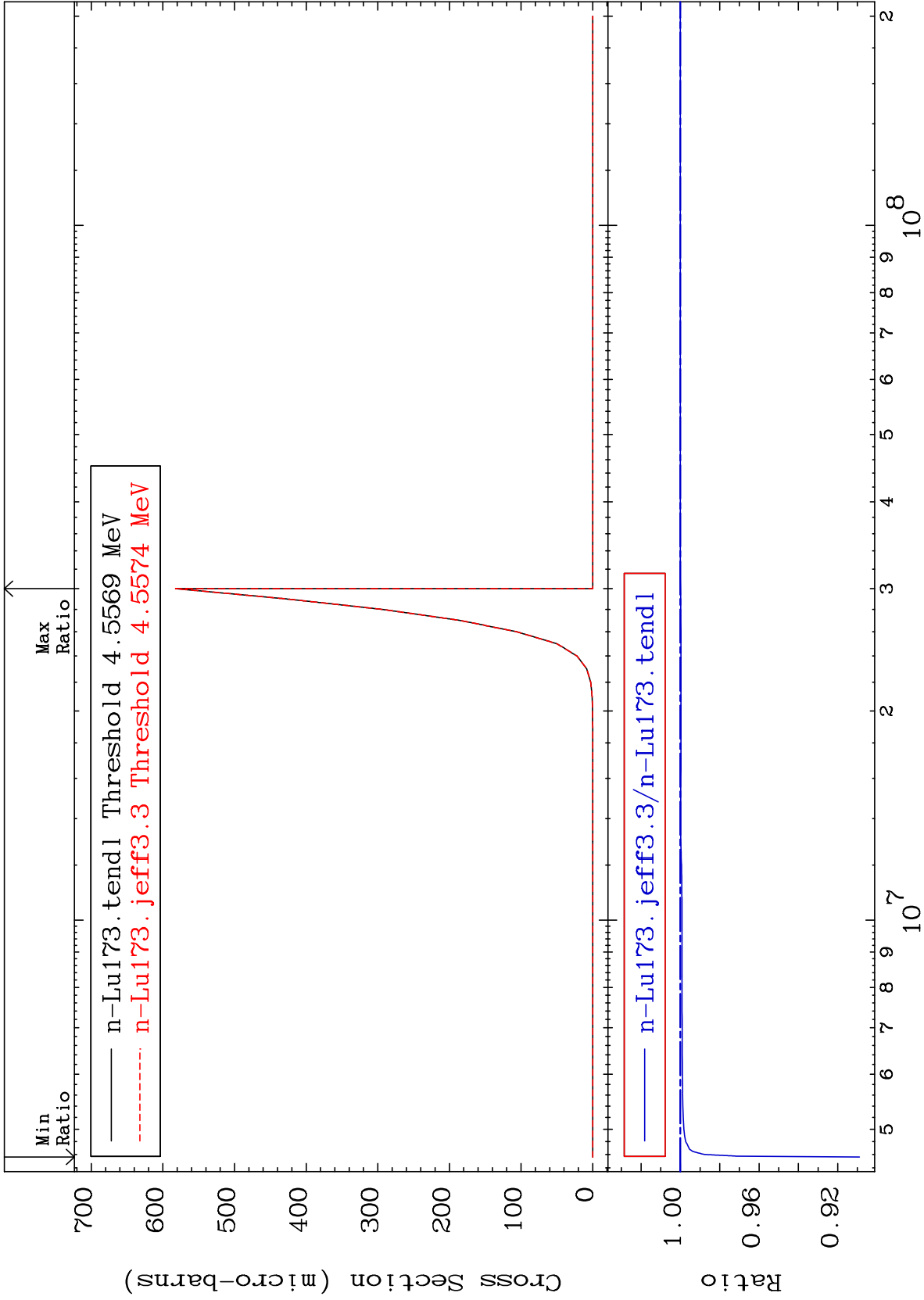
71-Lu-173

(n, t)
Cross Section
-1.059 To 0.009 %



Cross Section

-9.102 To 0.000 %



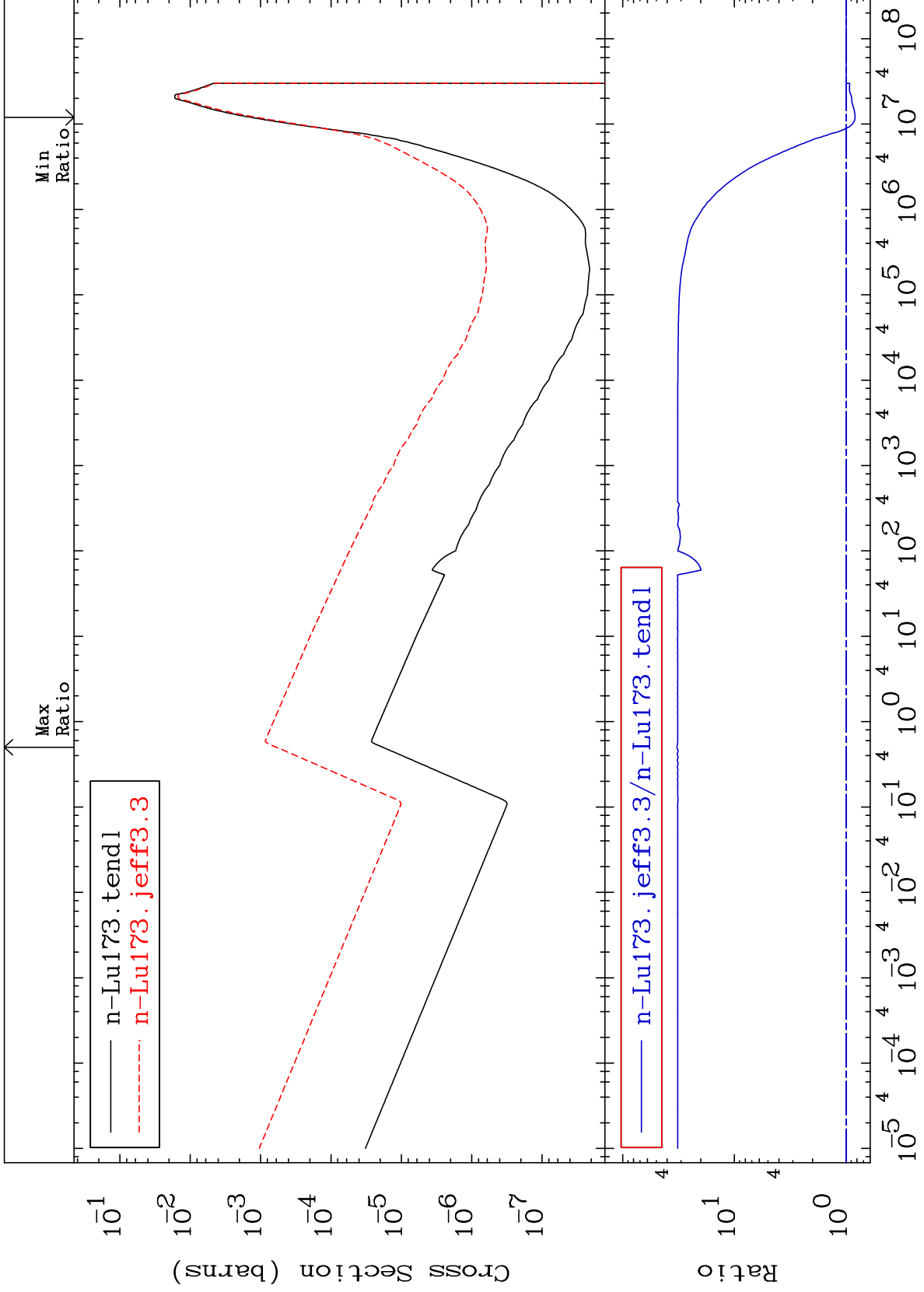
MAT 7119

(n, α)

71-Lu-173

Cross Section

-16.89 To 3171. %



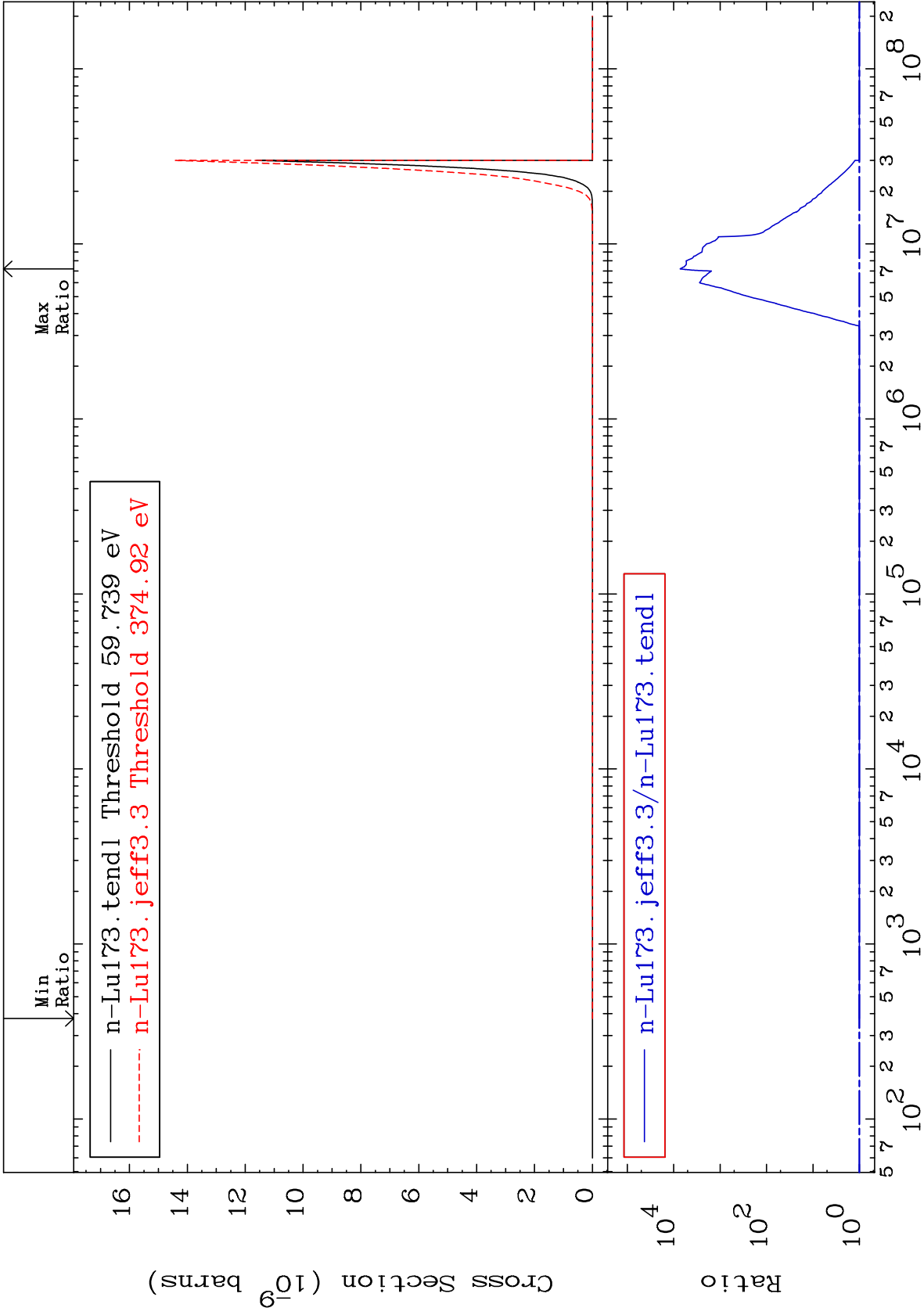
MAT 7119

(n,2α)

71-Lu-173

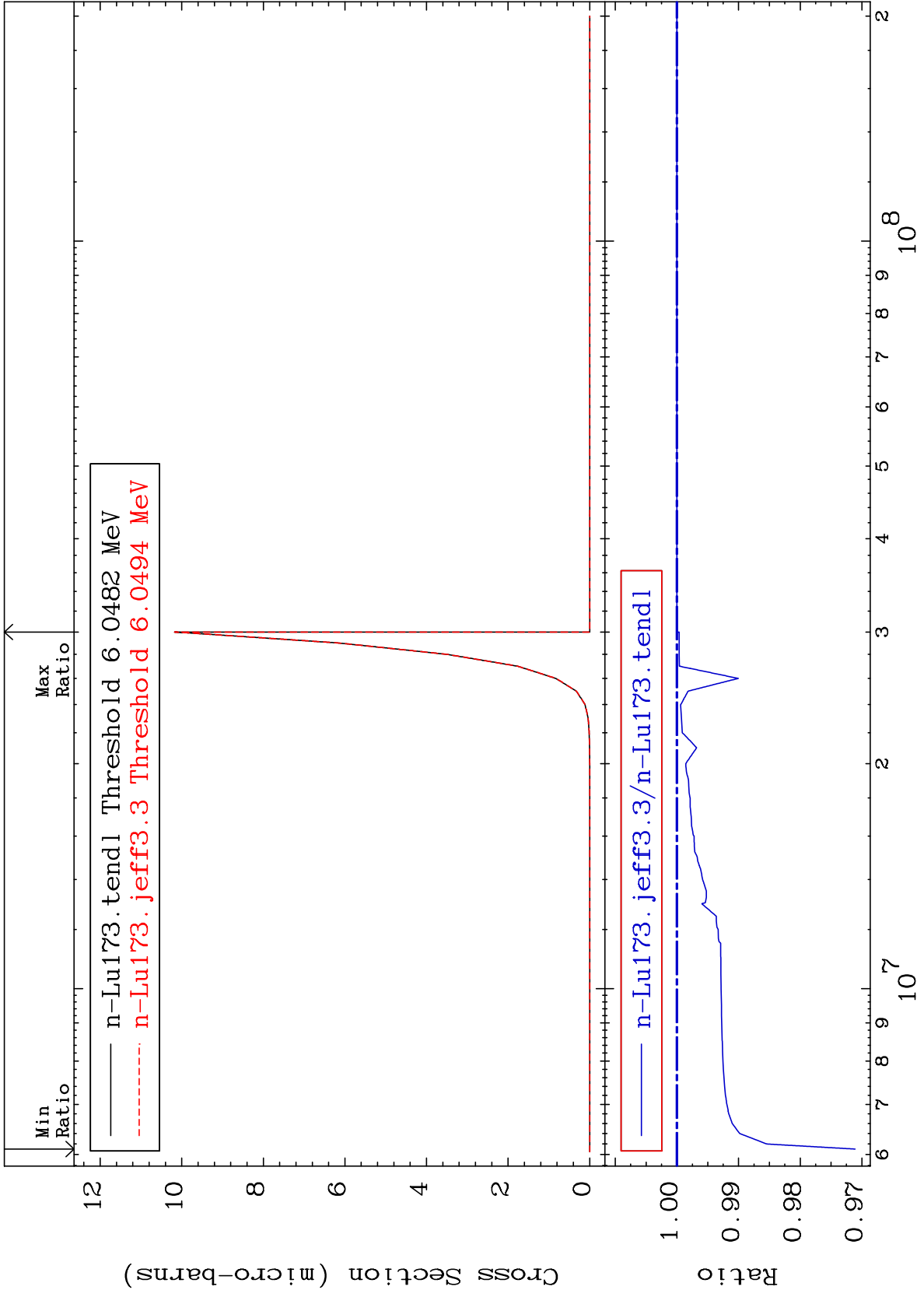
Cross Section

0.000 To 9999. %



MAT 7119

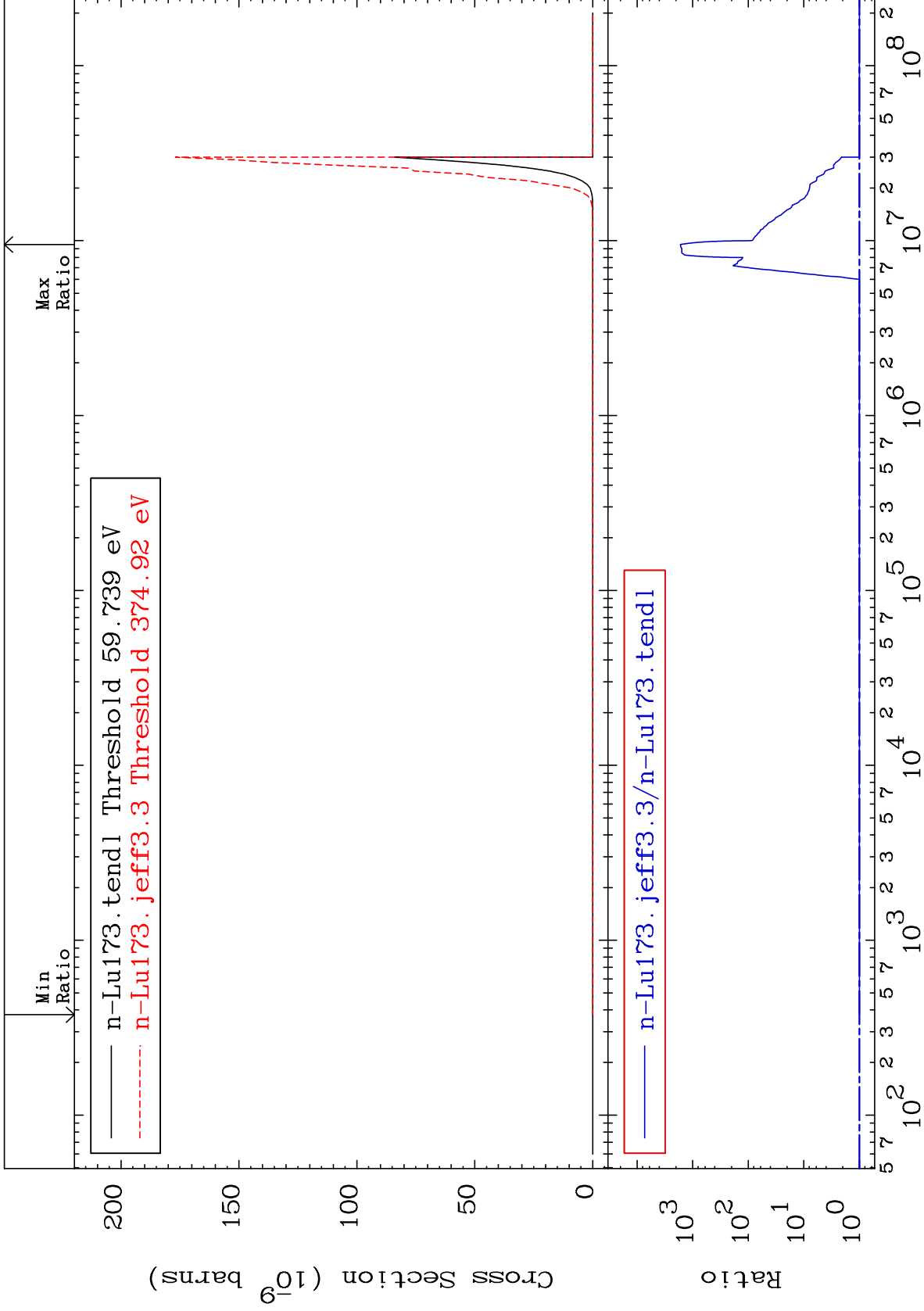
(n,2p) Cross Section
71-Lu-173
-2.890 To 0.000 %



MAT 7119

(n,p) α
Cross Section

71-Lu-173
To 9999. %



59

Incident Energy (eV)

71-Lu-173

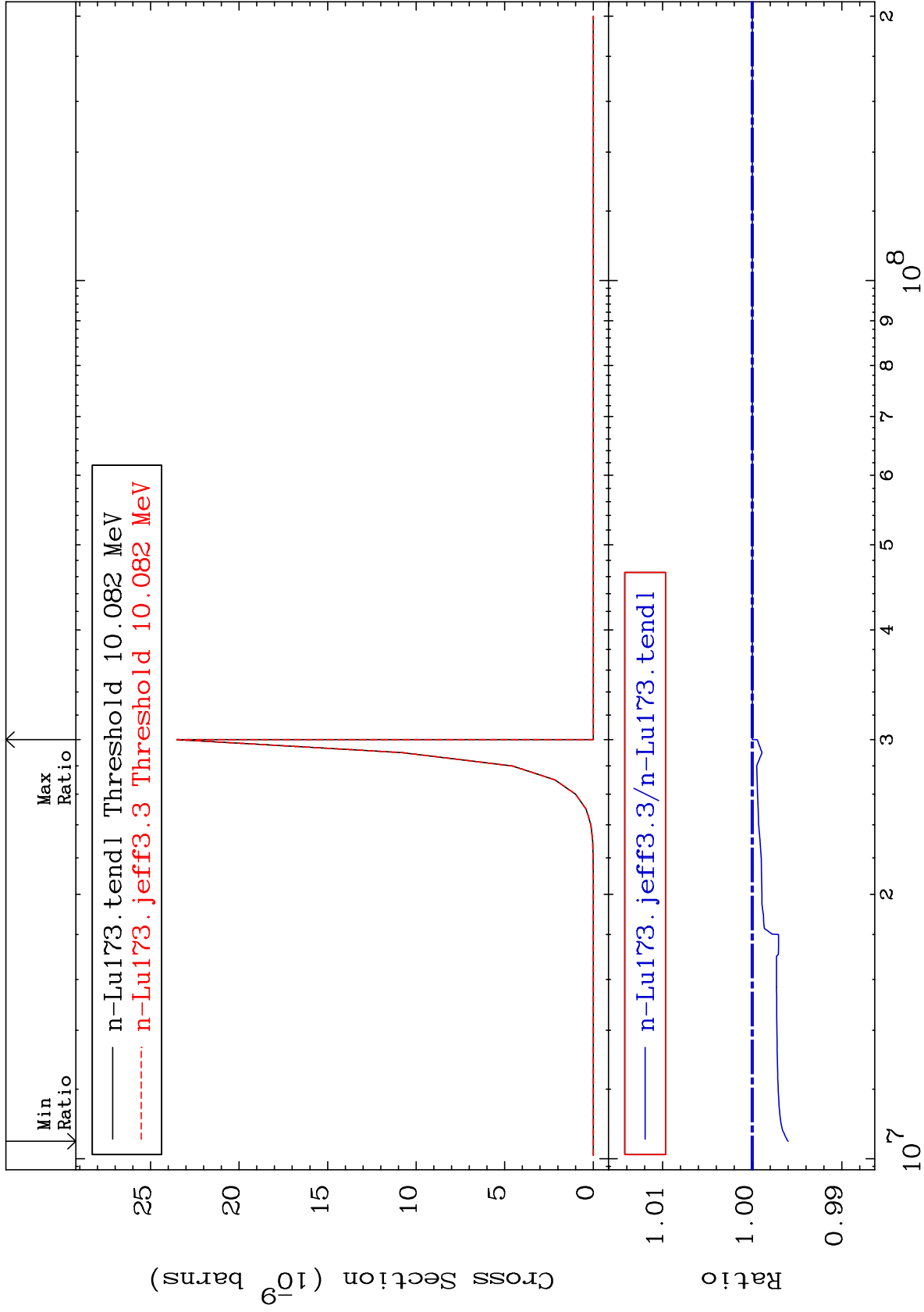
MAT 7119

(n, p) d

71-Lu-173

Cross Section

-0.400 To 0.000 %



Incident Energy (eV)

71-Lu-173

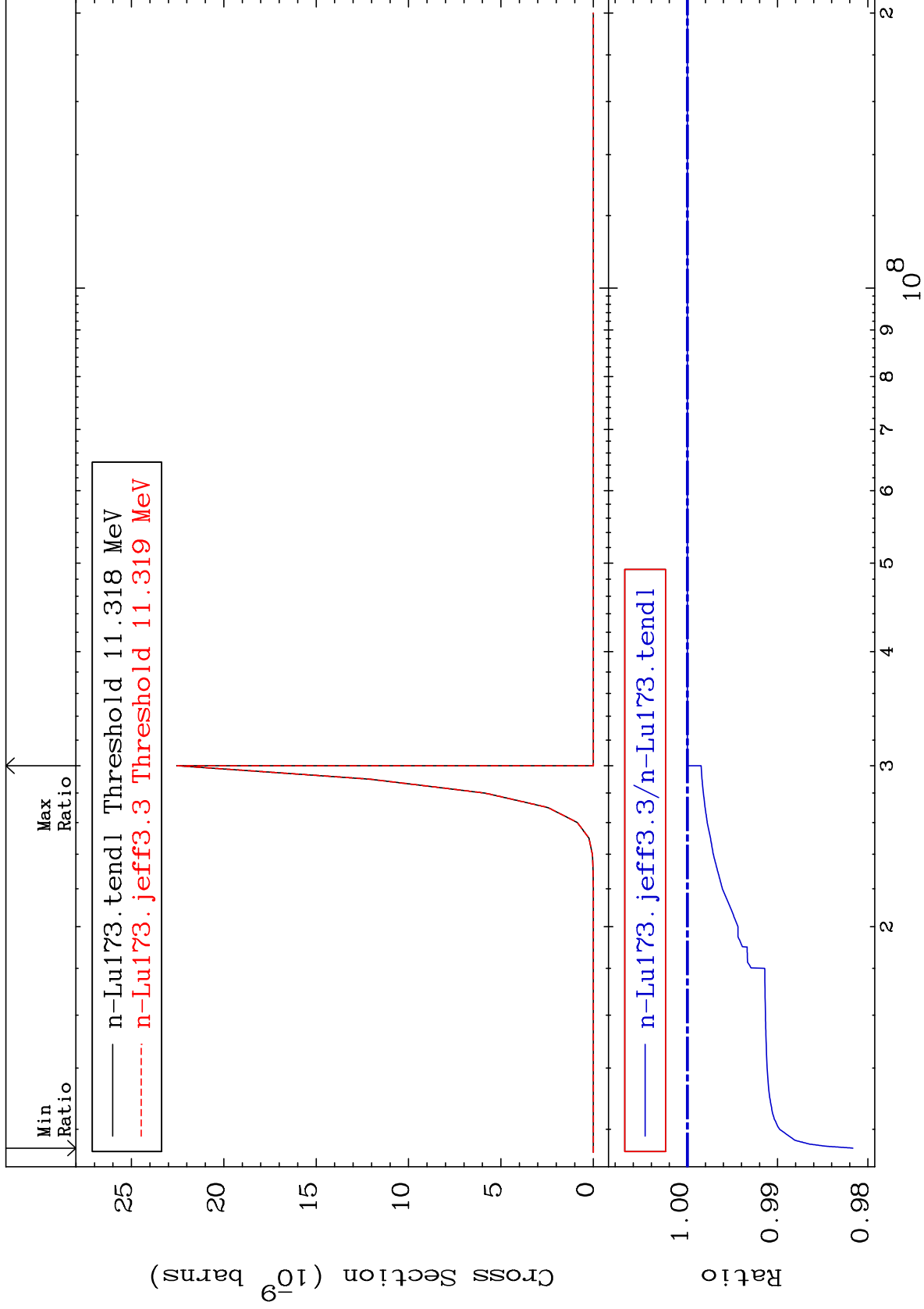
MAT 7119

(n,p) t

71-Lu-173

Cross Section

-1.836 To 0.000 %



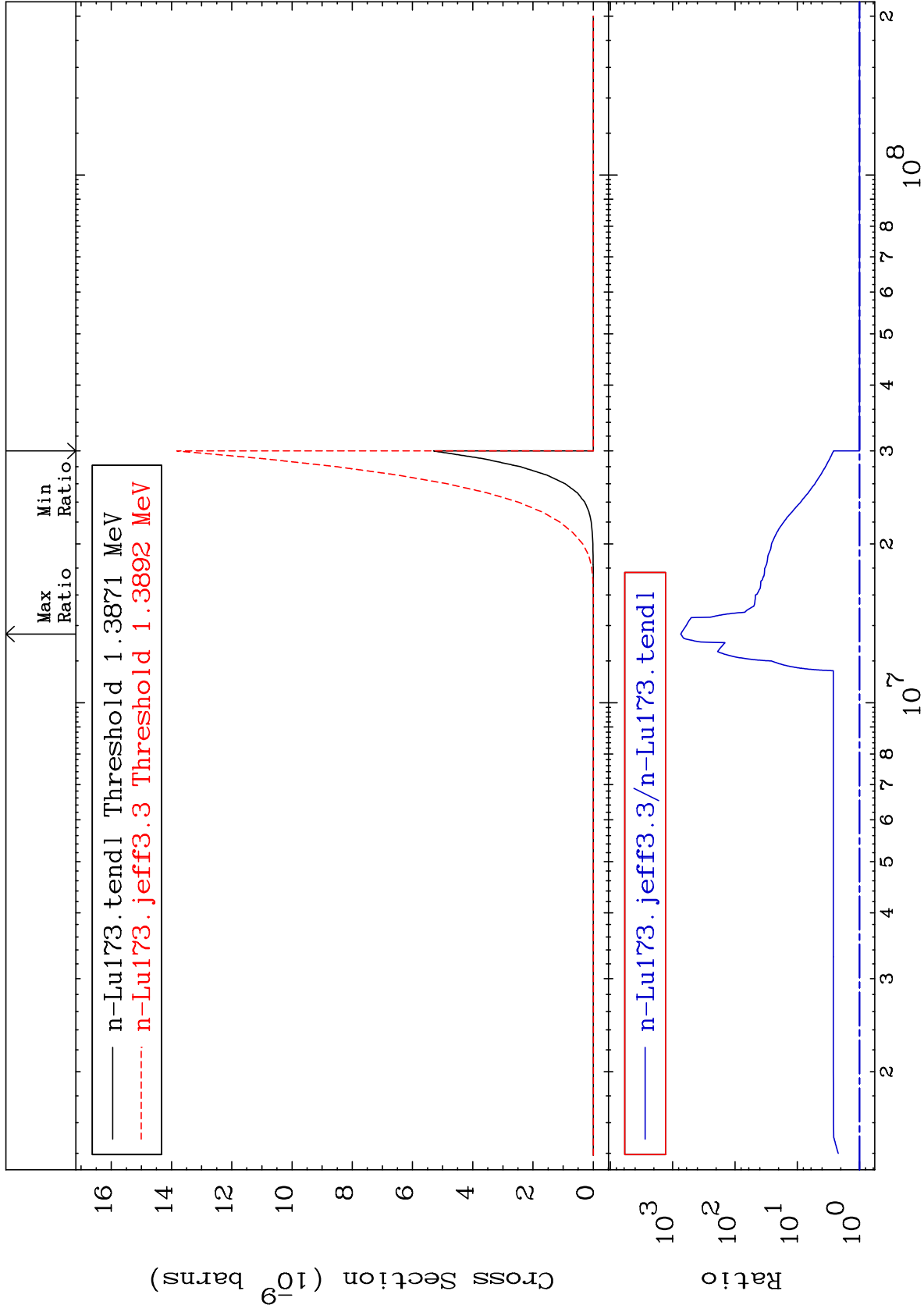
61

Incident Energy (eV)

71-Lu-173

MAT 7119

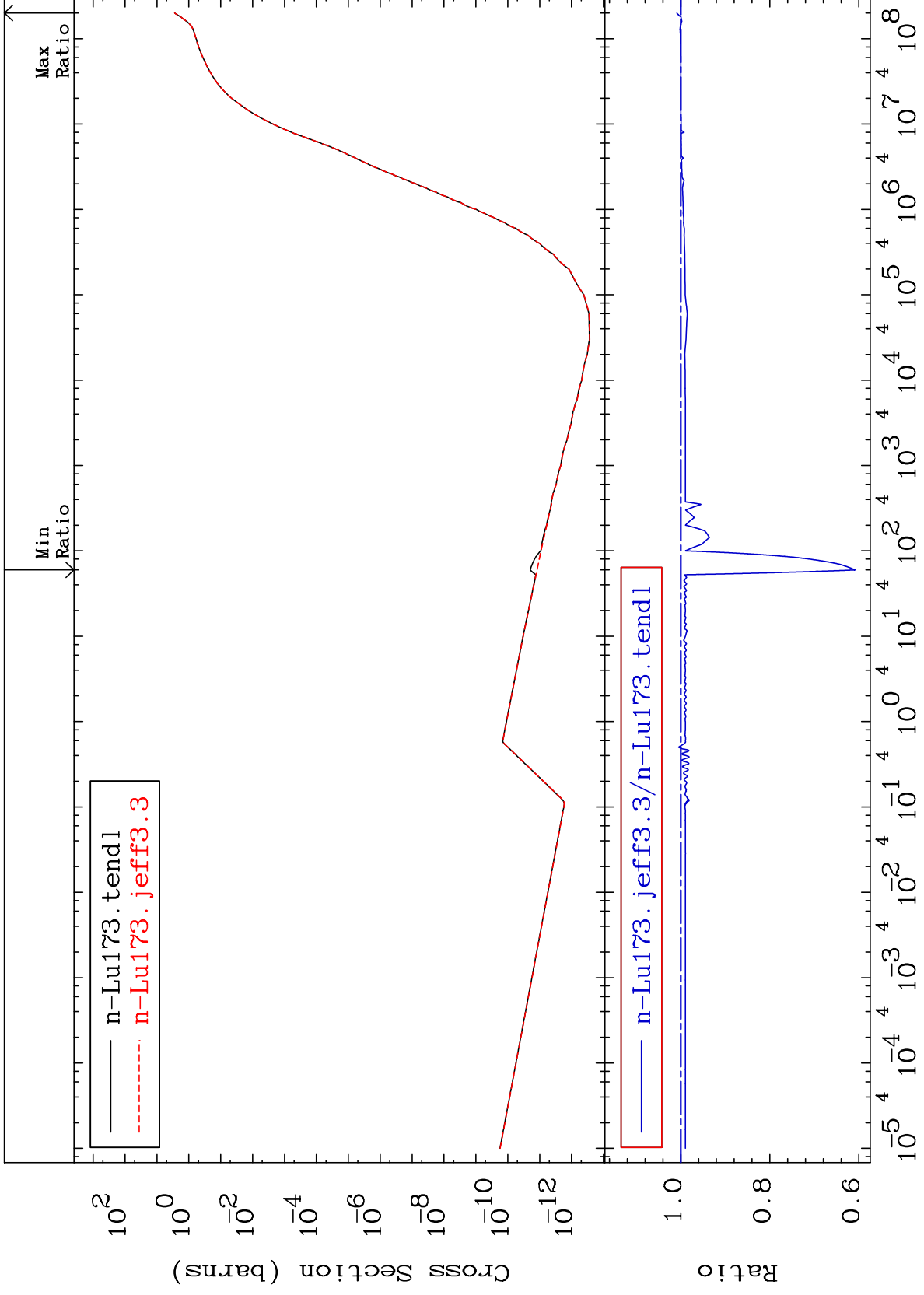
(n, d) α Cross Section
71-Lu-173
To 9999. %
0.000



MAT 7119

Hydrogen Production
Cross Section

71-Lu-173
-39.14 To 0.863 %



63

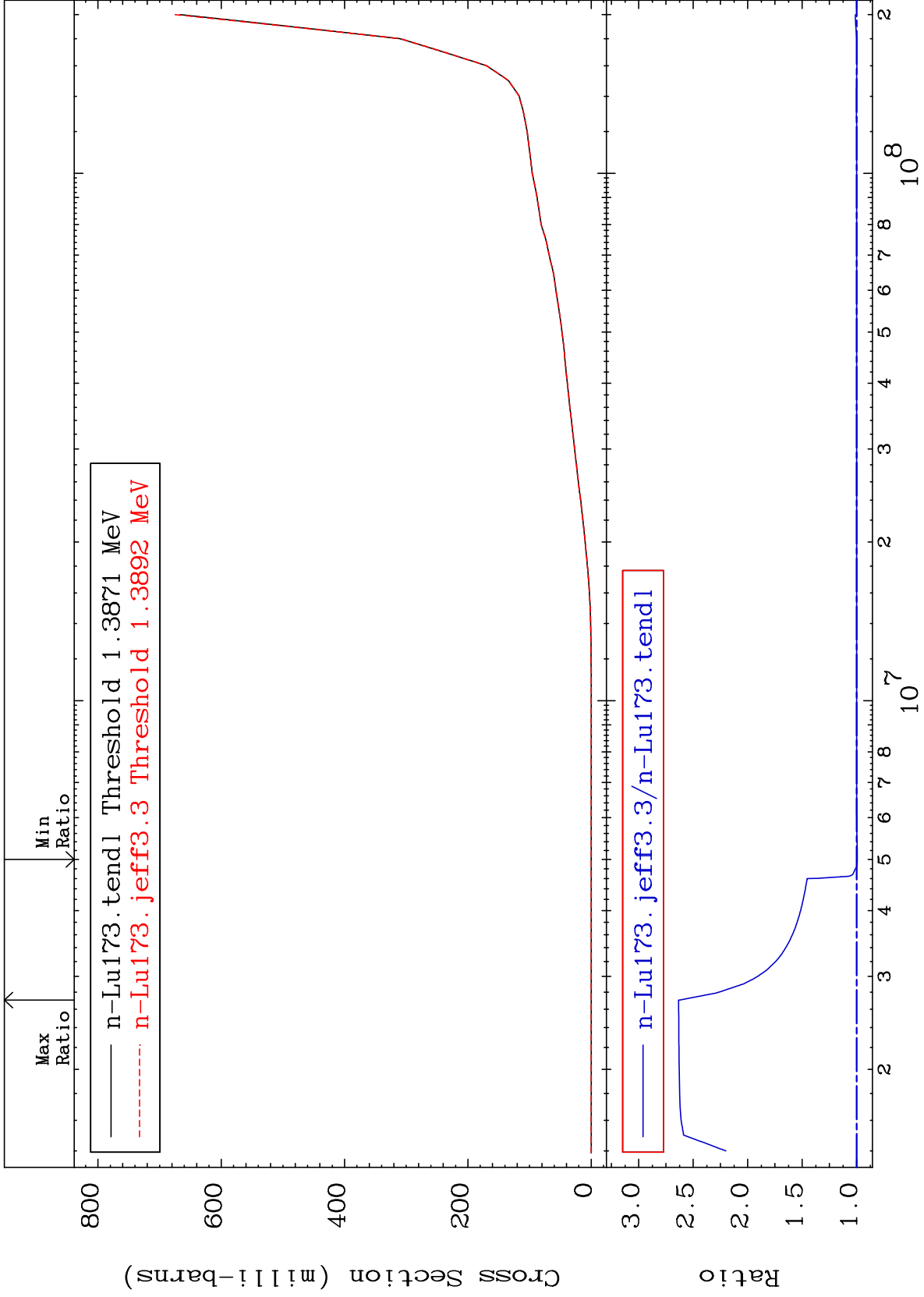
Incident Energy (eV)

71-Lu-173

MAT 7119

Deuterium Production
Cross Section

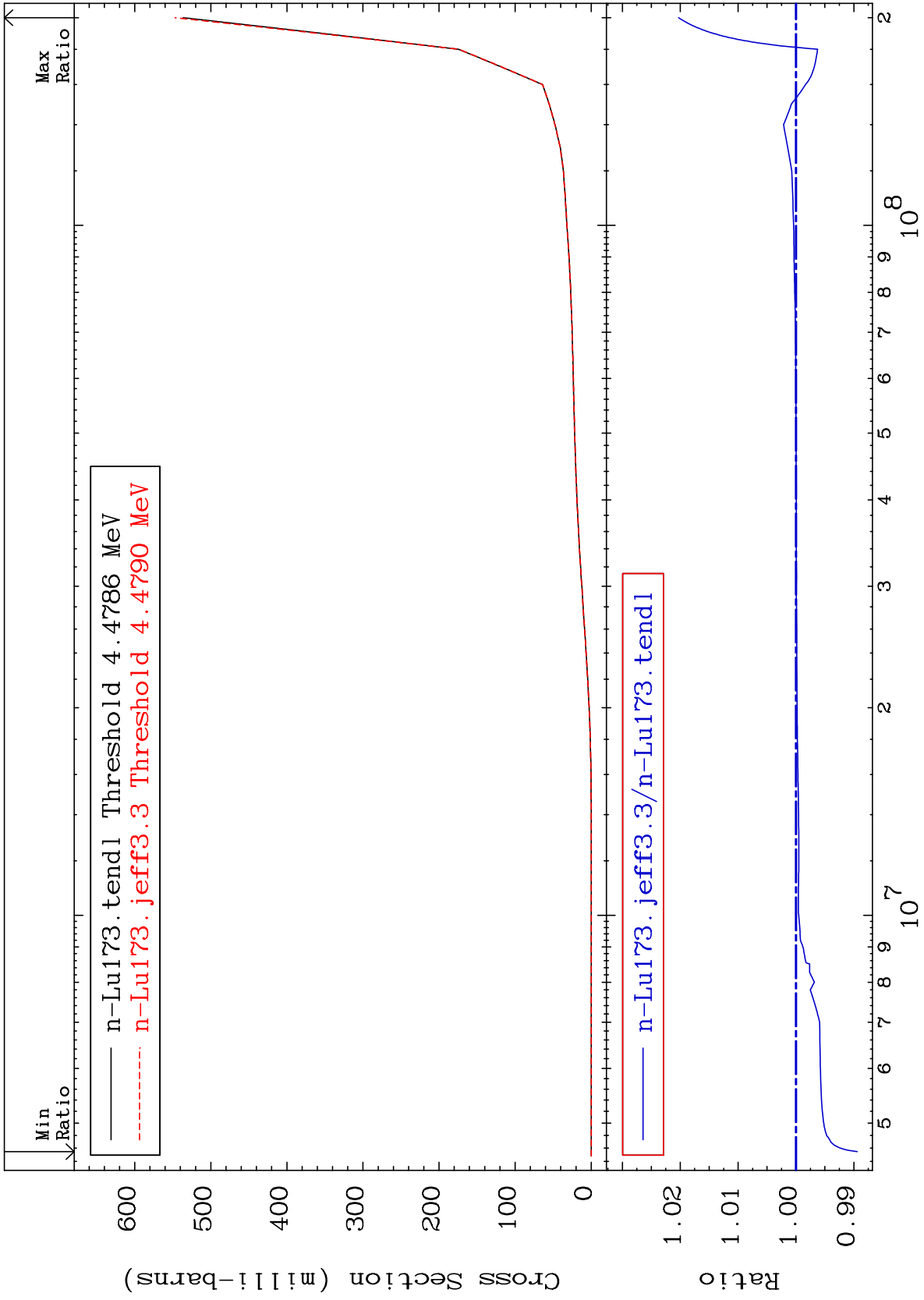
⁷¹Lu-¹⁷³
-0.565 To 163.3 %



MAT 7119

Tritium Production
Cross Section

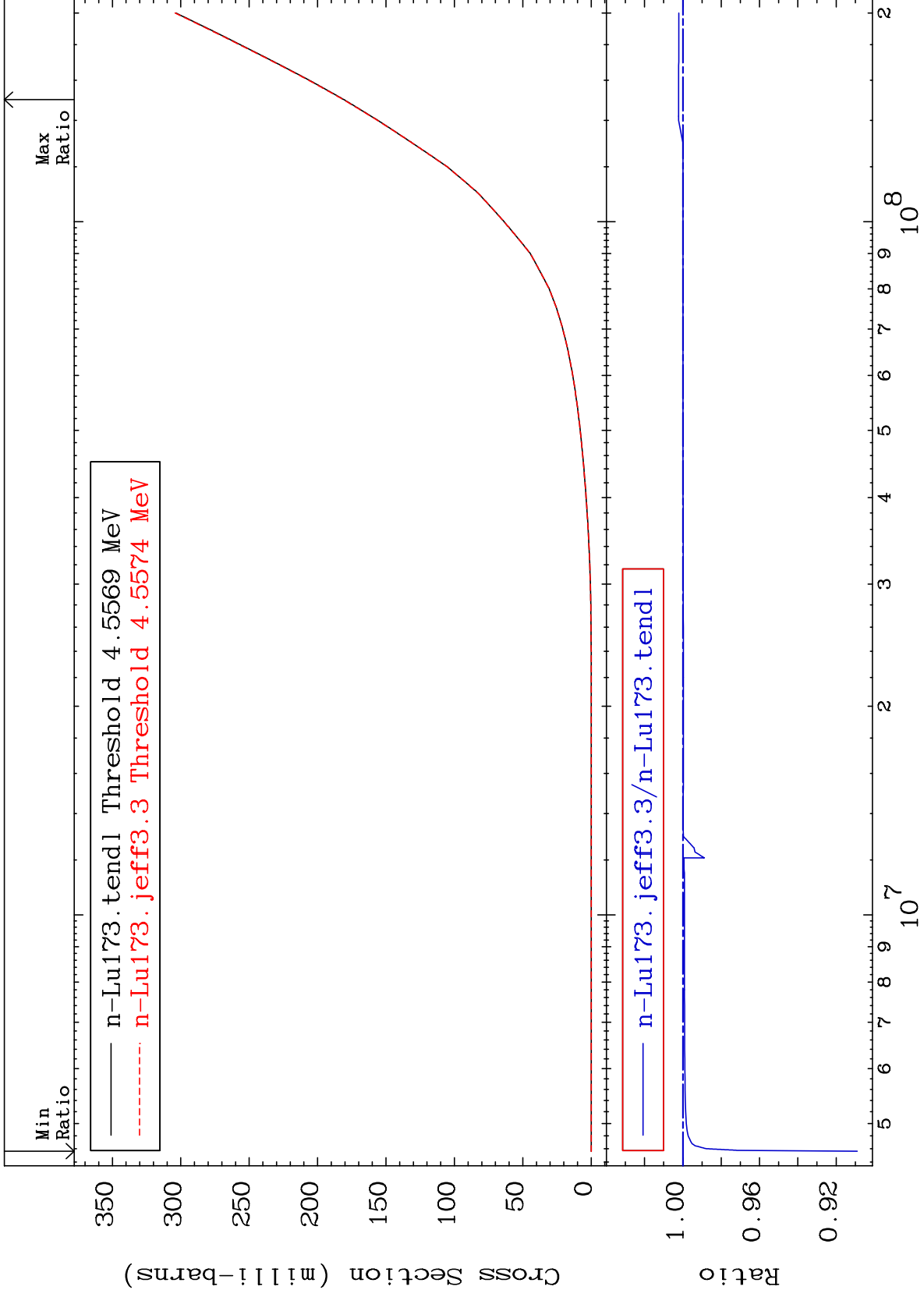
71-Lu-173
-1.059 To 2.027 %



MAT 7119

He-3 Production
Cross Section

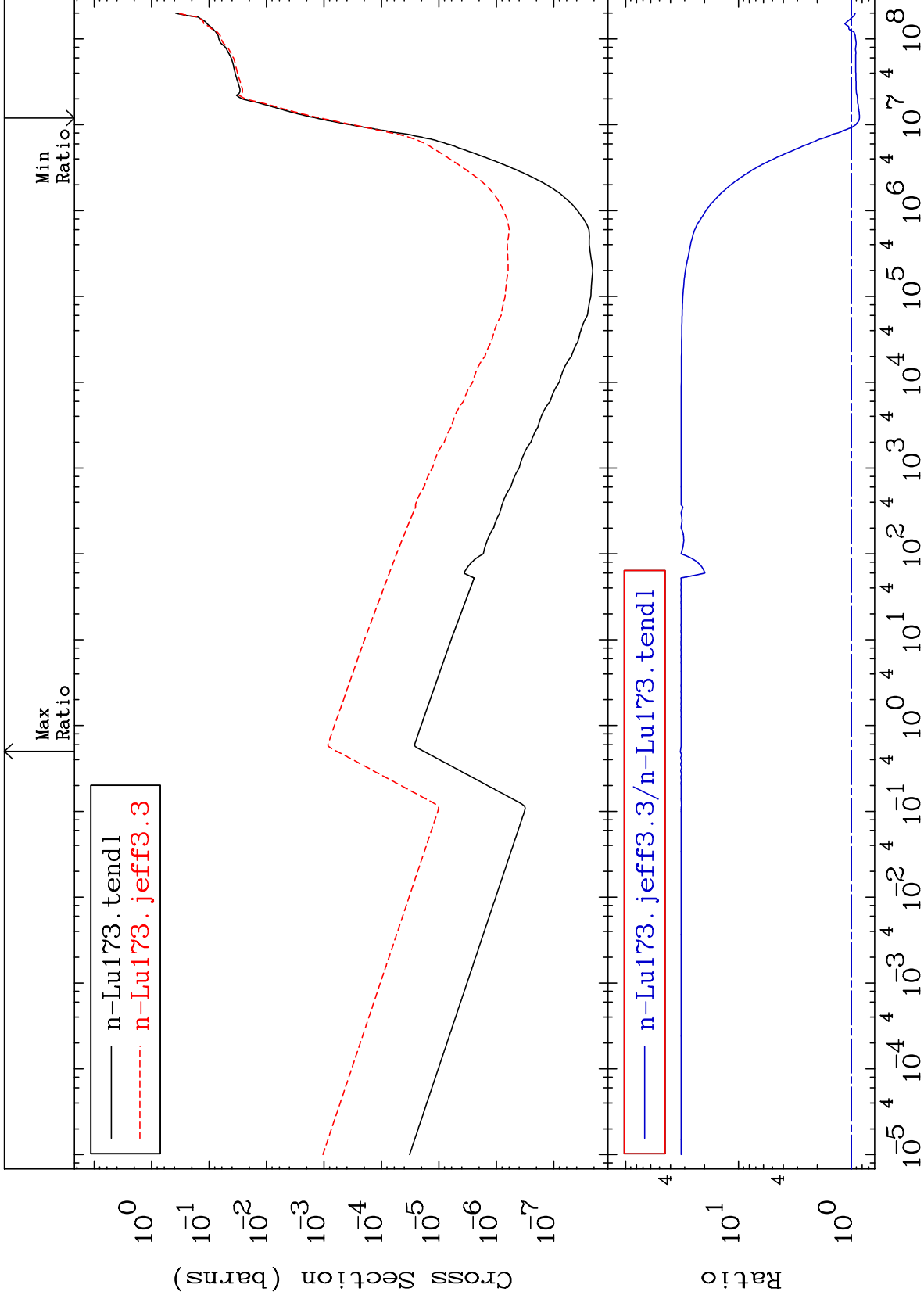
71-Lu-173
-9.102 To 0.221 %



MAT 7119

He-4 Production
Cross Section

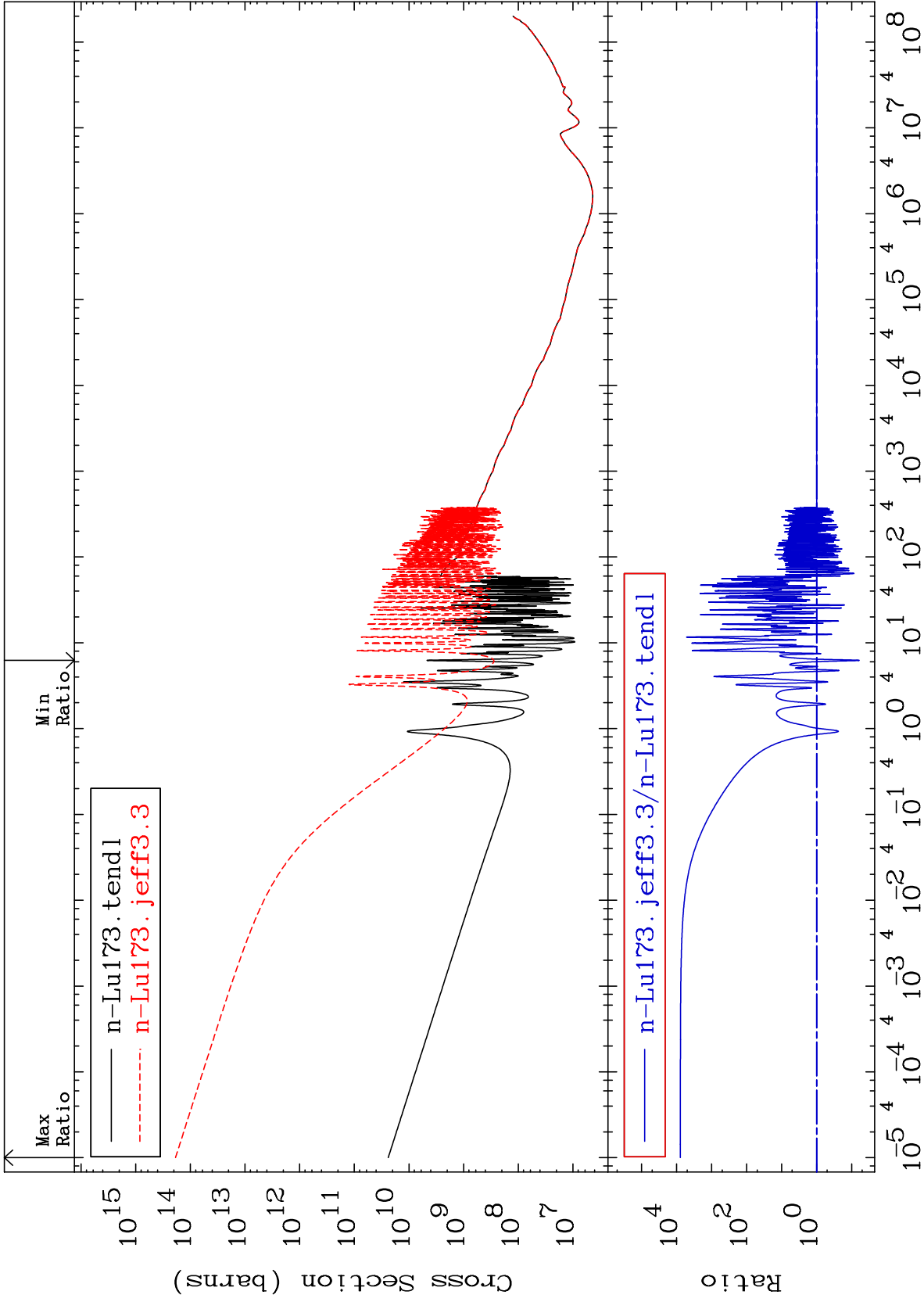
71-Lu-173
-15.40 To 3171. %



67

Incident Energy (eV)

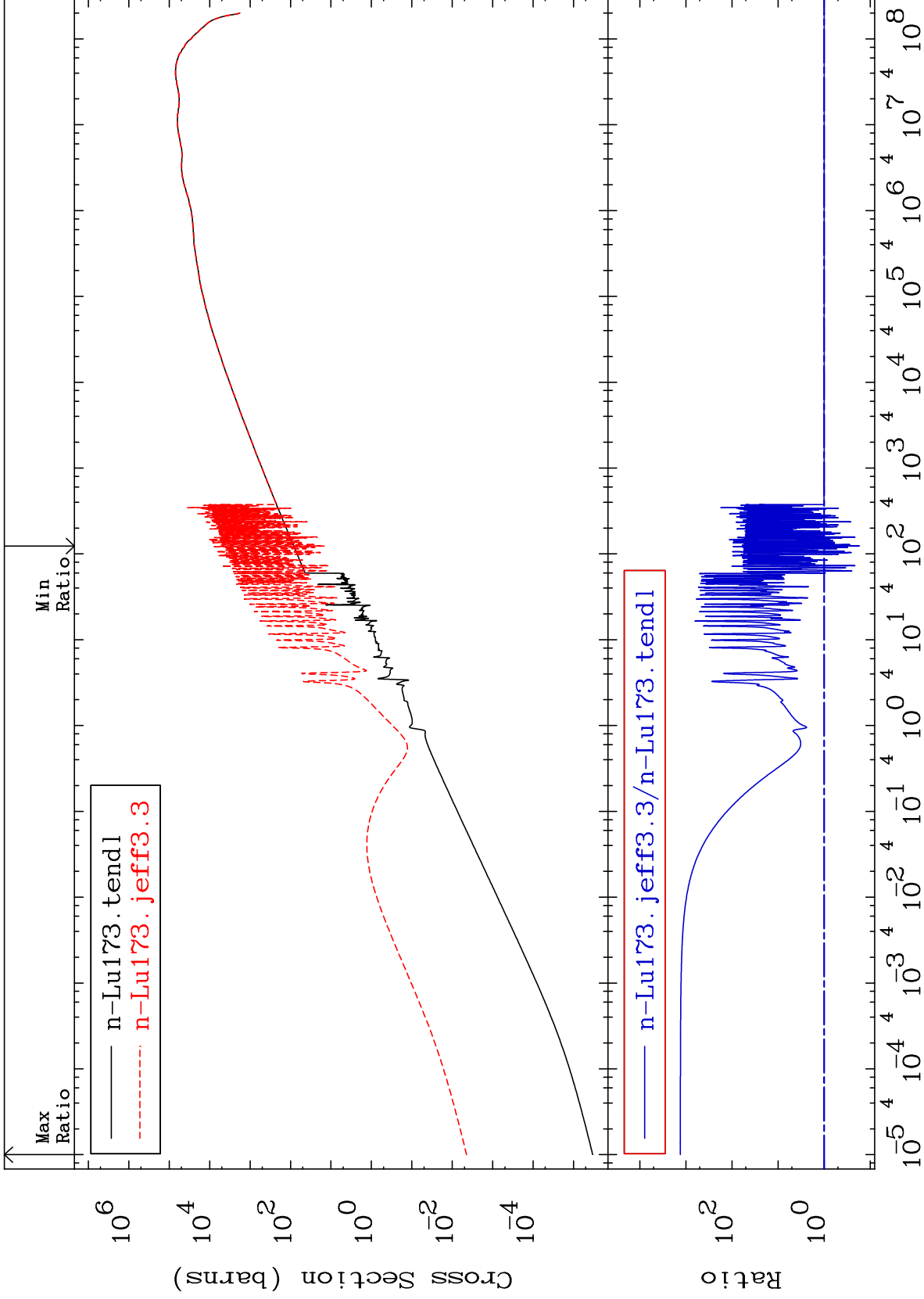
71-Lu-173



MAT 7119

Kerma elastic
Cross Section

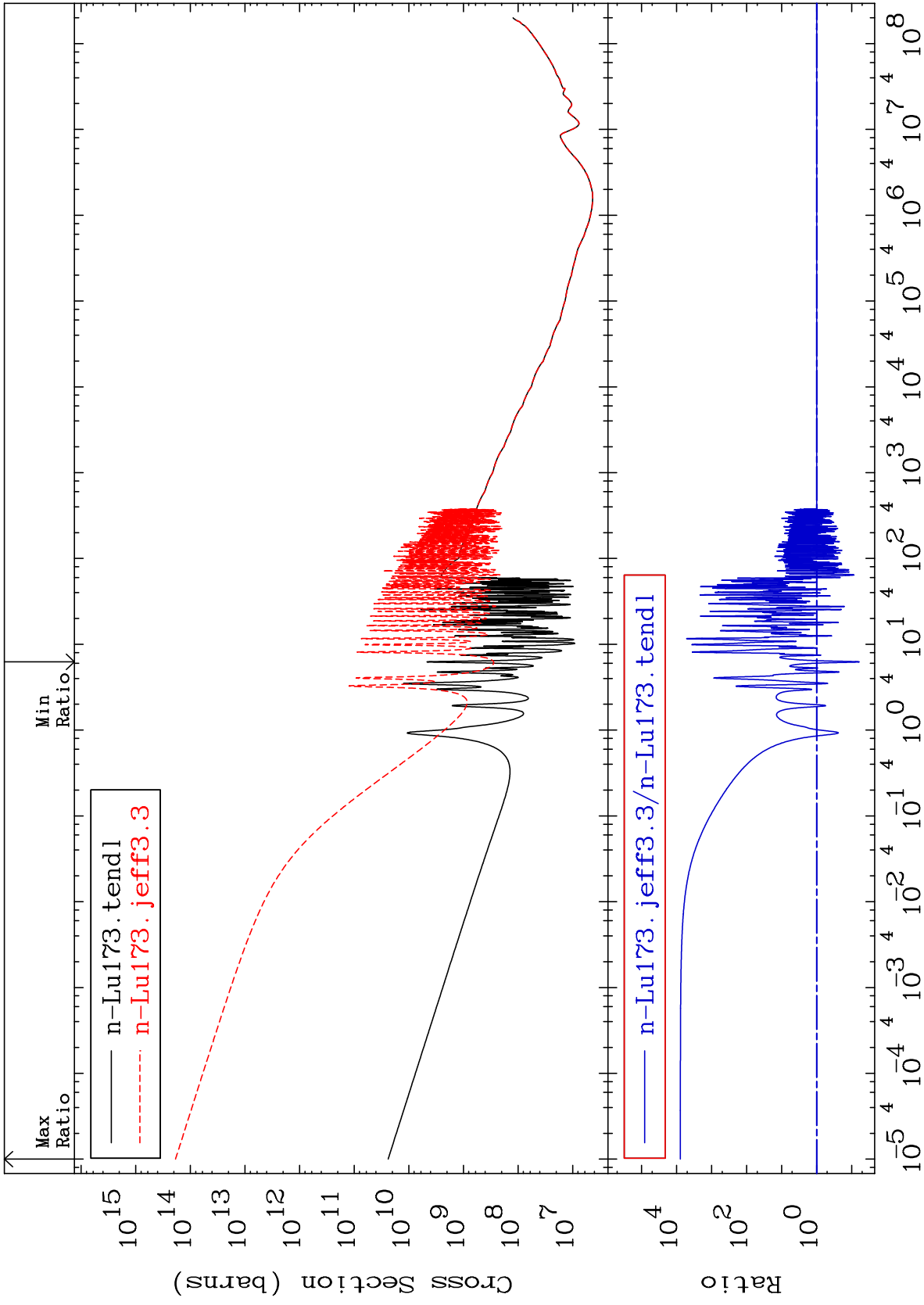
71-Lu-173
-82.89 To 9999. %



MAT 7119

Kerma non-elastic (all but mt2)
Cross Section

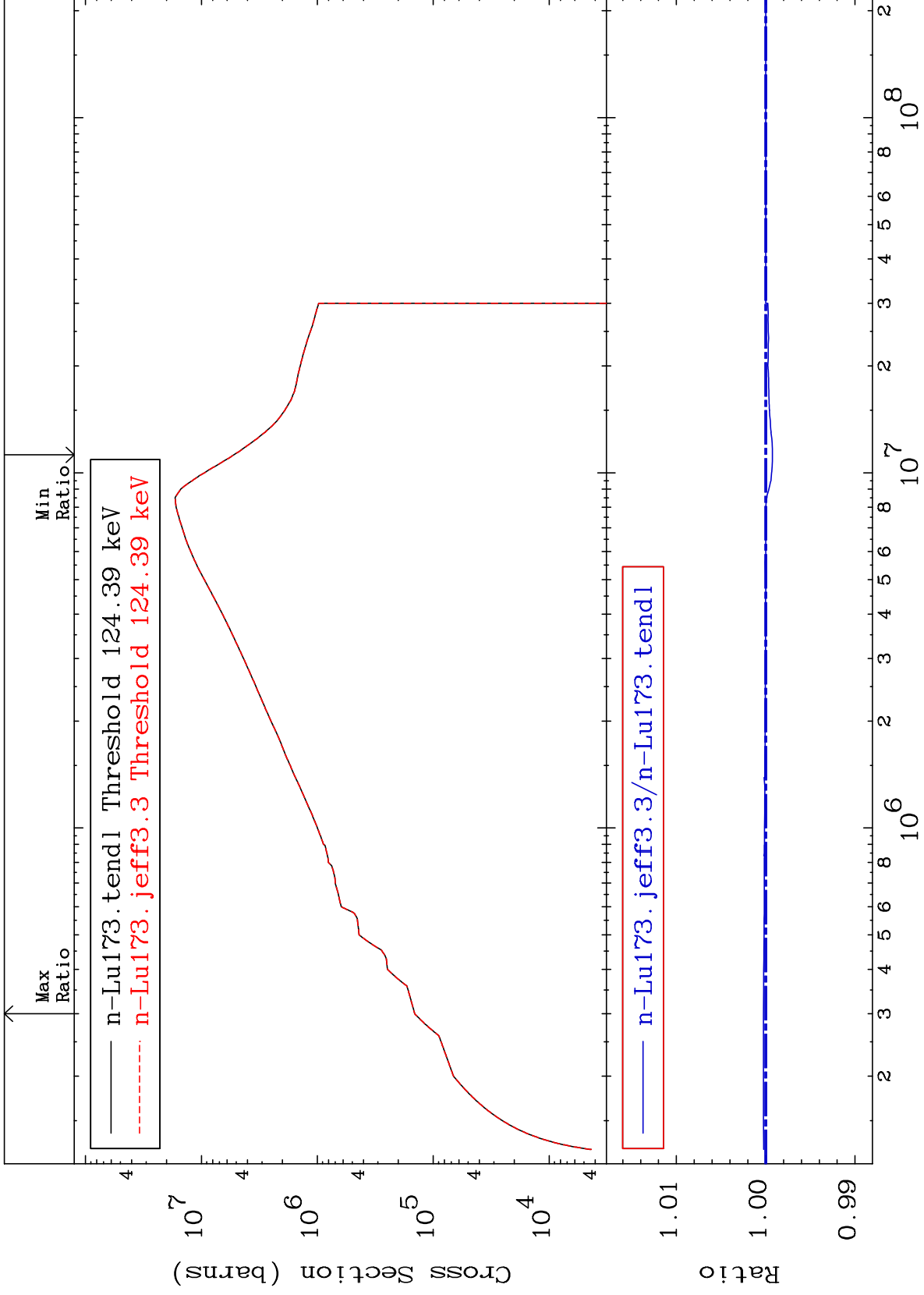
71-Lu-173
-94.02 To 9999. %



MAT 7119

Kerma inelastic (mt51-91)
Cross Section

71-Lu-173
-0.076 To 0.025 %



71

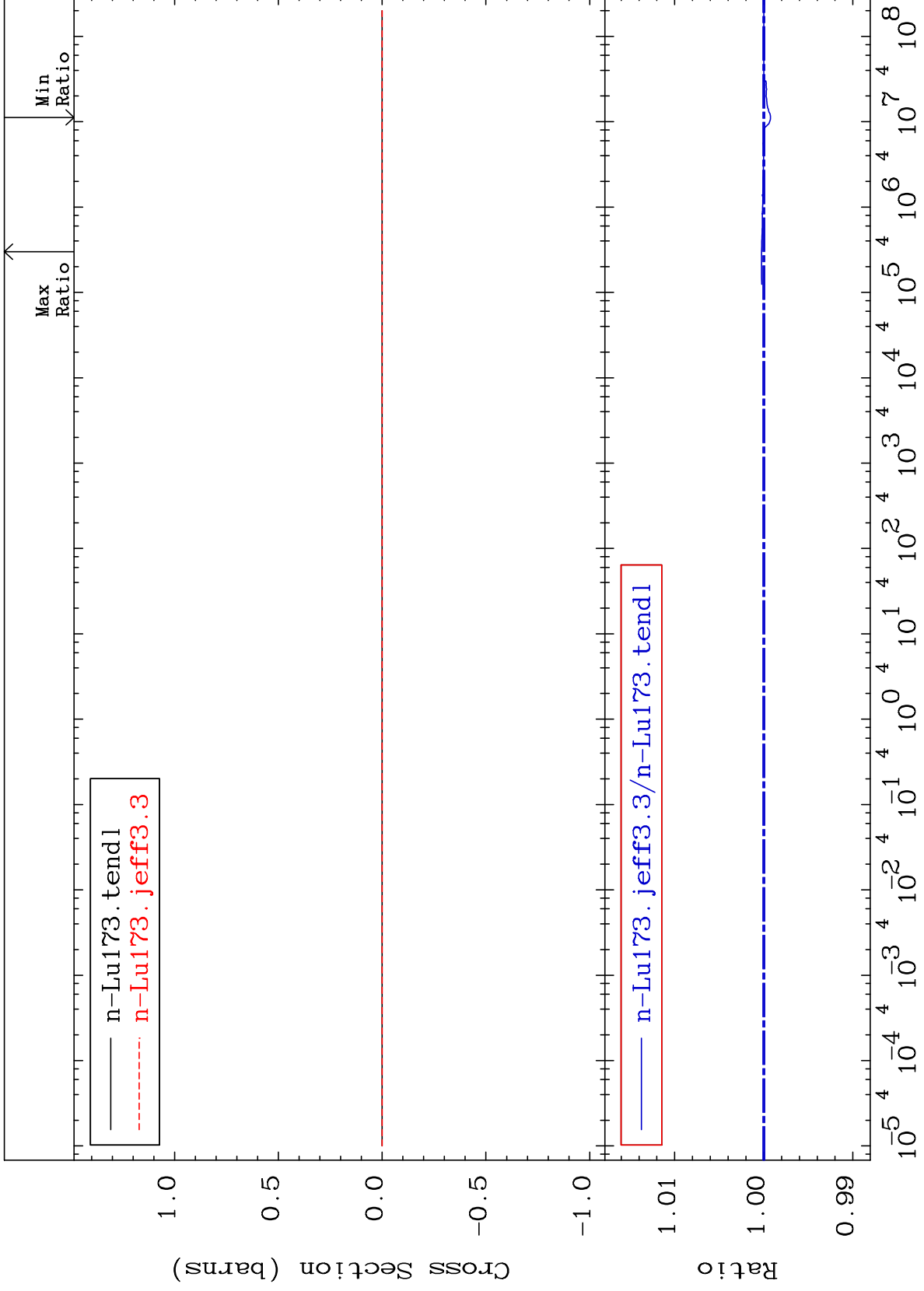
Incident Energy (eV)

71-Lu-173

MAT 7119

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

71-Lu-173
-0.076 To 0.025 %



72

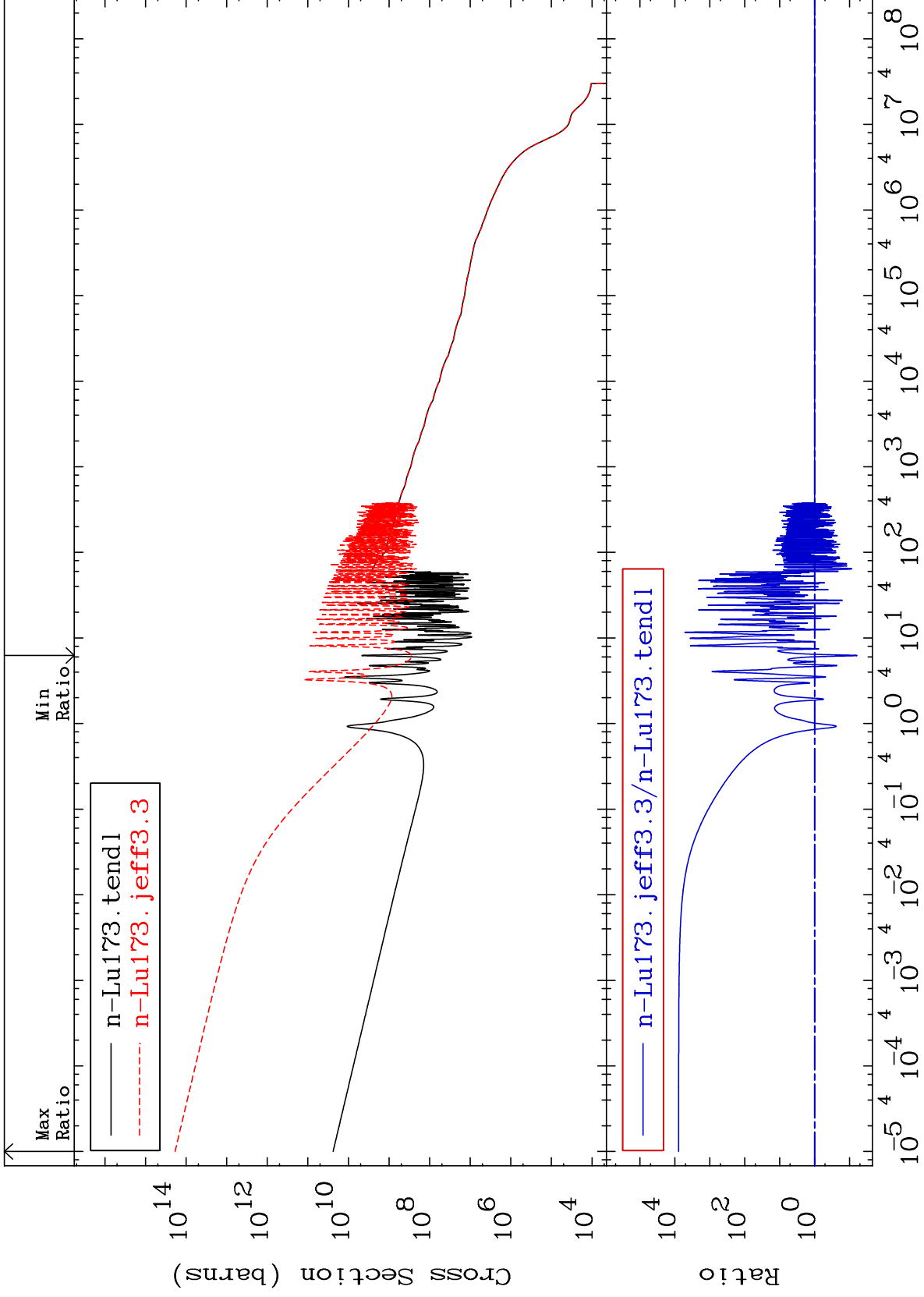
Incident Energy (eV)

71-Lu-173

MAT 7119

Kerma capture (mt102)
Cross Section

71-Lu-173
-94.02 To 9999. %



73

Incident Energy (eV)

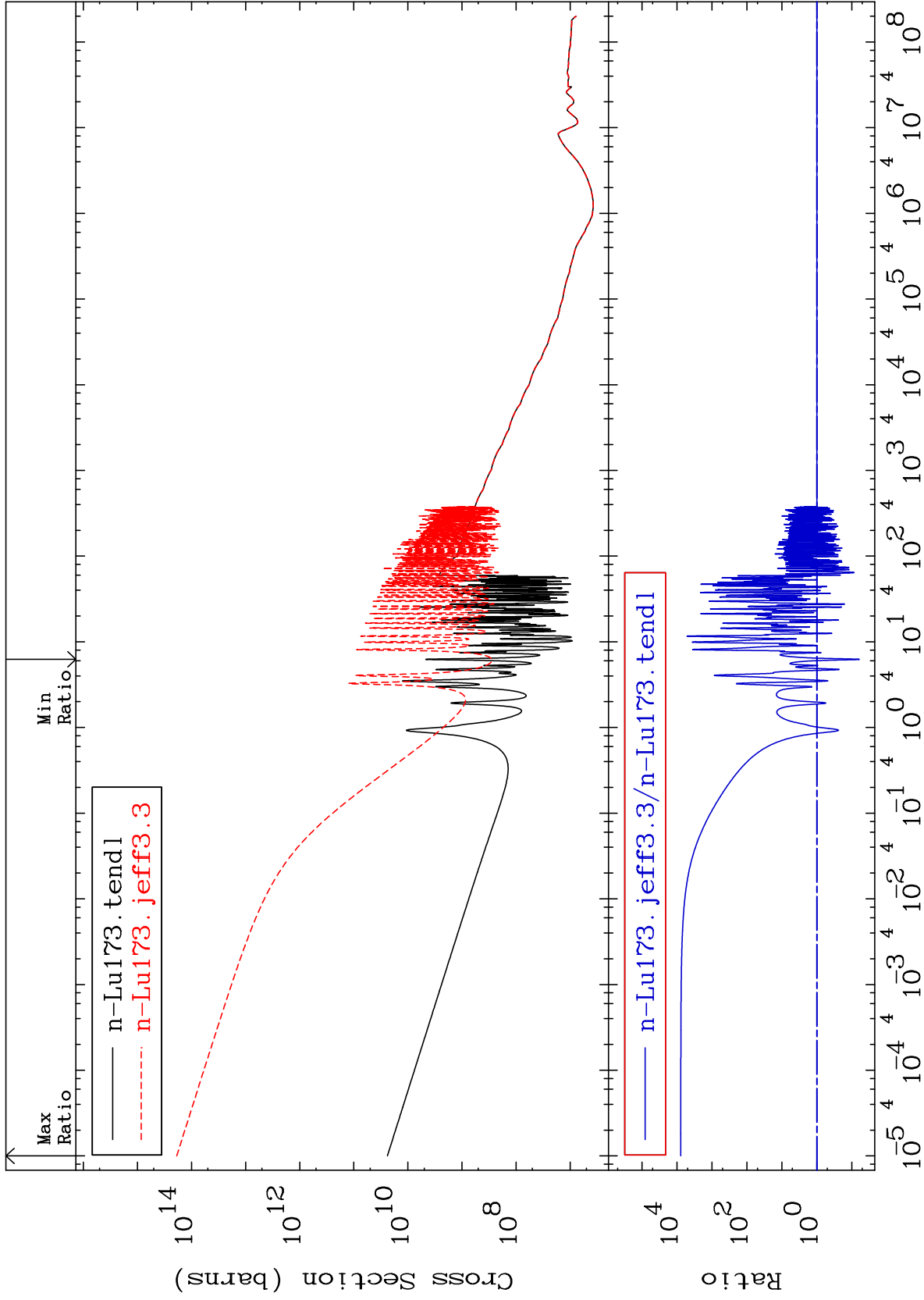
71-Lu-173

MAT 7119

Total photon (eV-barns)
Cross Section

71-Lu-173

-94.02 To 9999. %



74

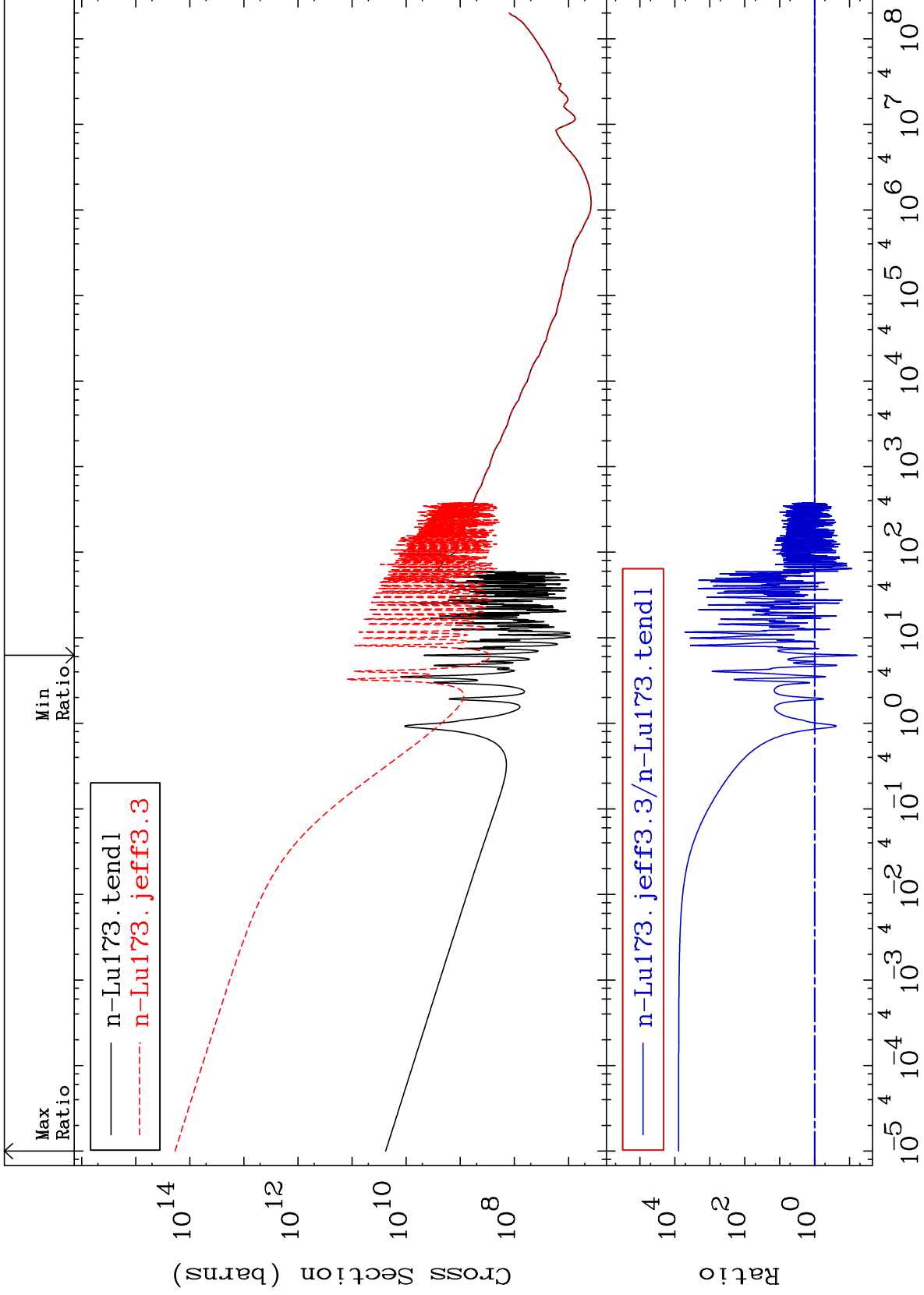
Incident Energy (eV)

71-Lu-173

MAT 7119

Total kinematic kerma (high limit)
Cross Section

71-Lu-173
-94.02 To 9999. %



75

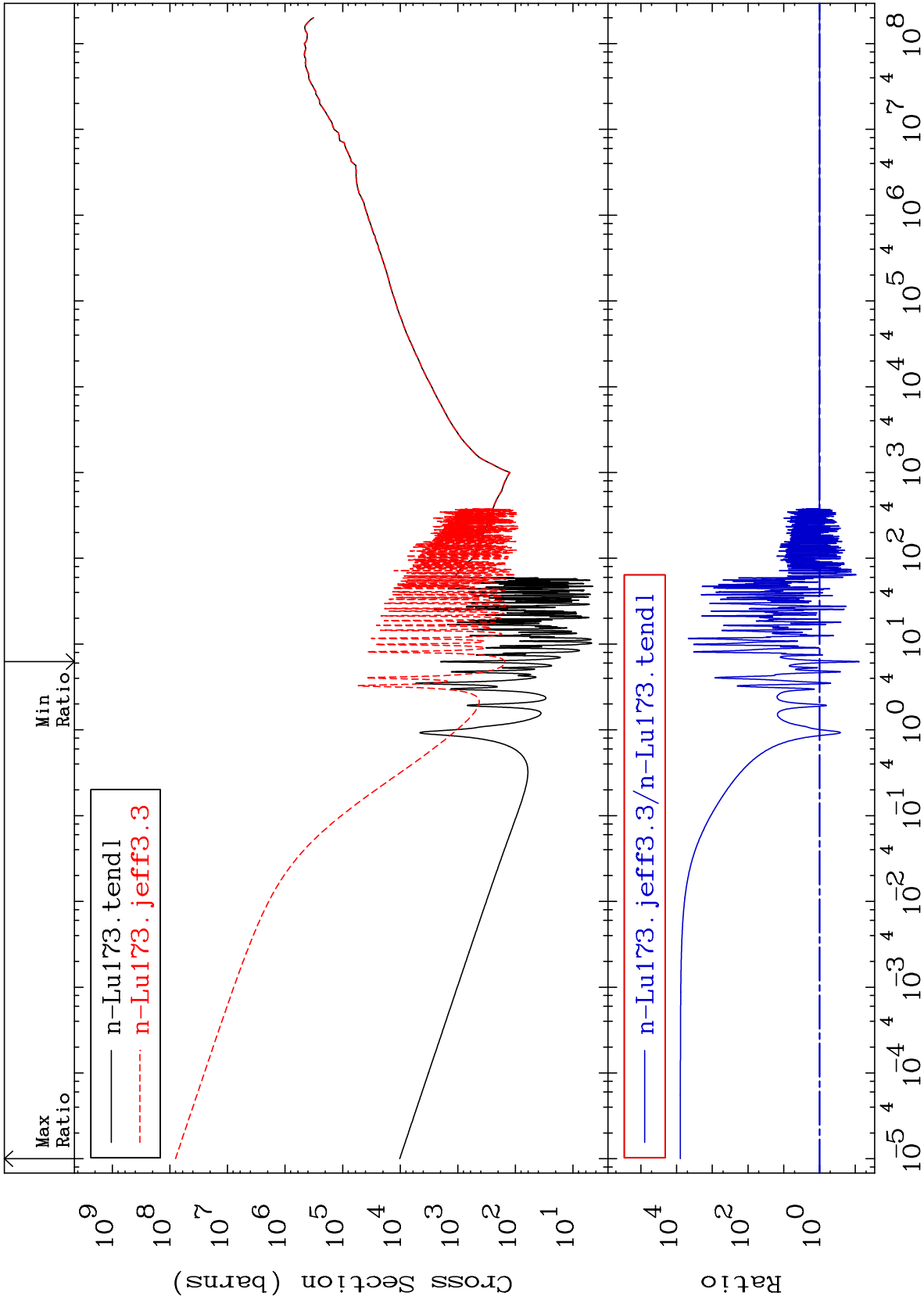
Incident Energy (eV)

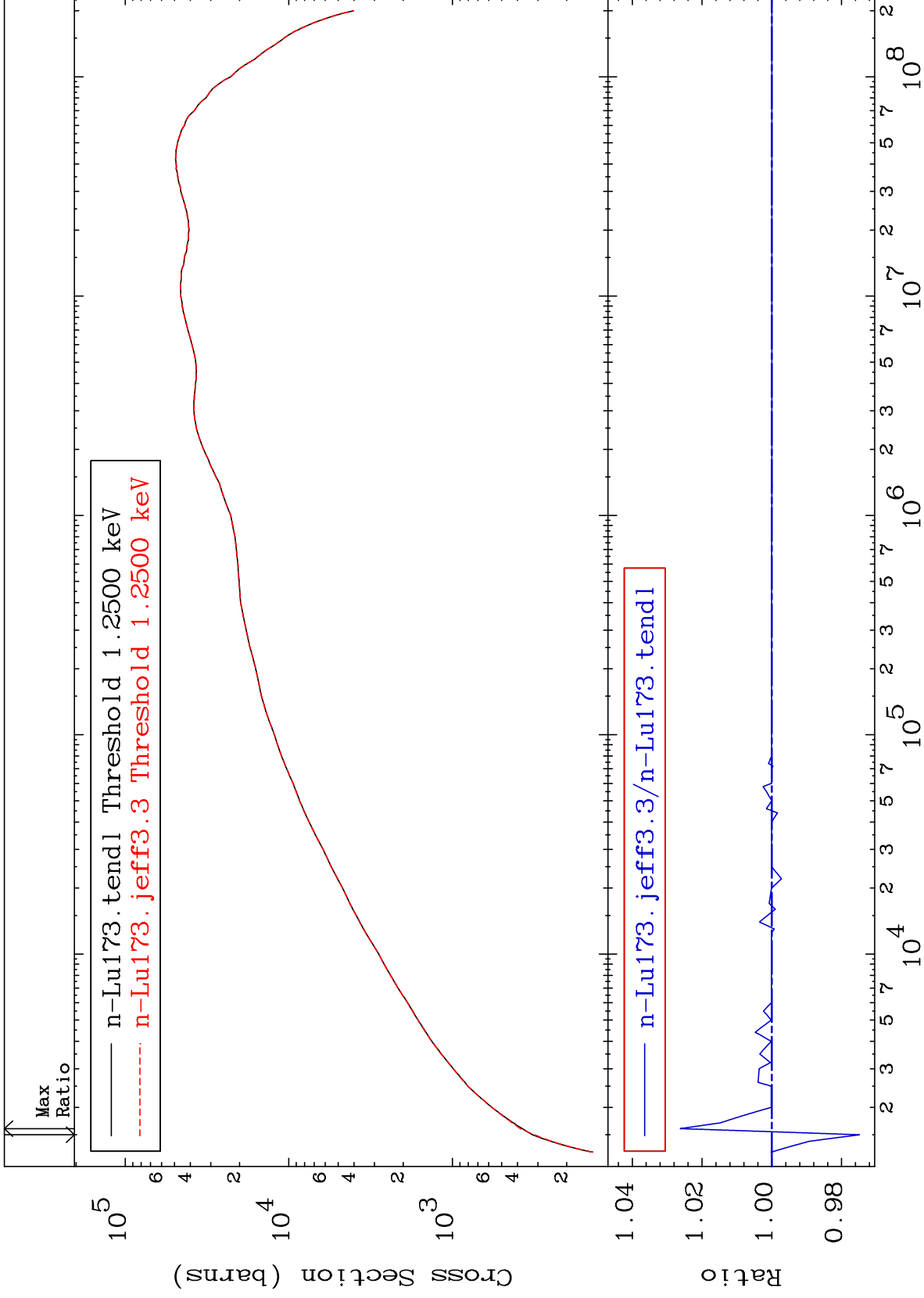
71-Lu-173

MAT 7119

Dpa total (eV-barns)
Cross Section

71-Lu-173
-92.37 To 9999. %

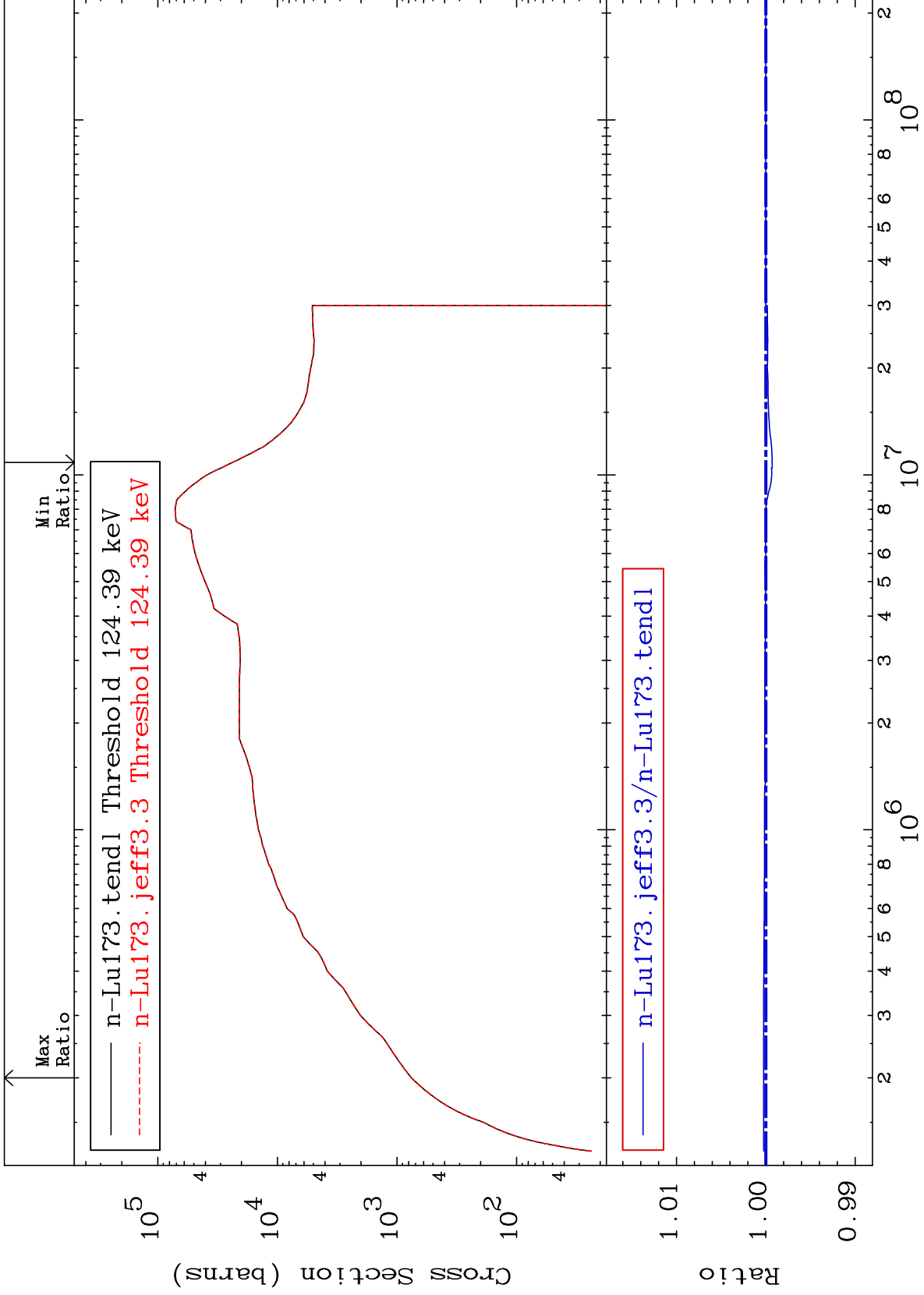




MAT 7119

Dpa inelastic (mt51-91)
Cross Section

71-Lu-173
-0.073 To 0.025 %



78

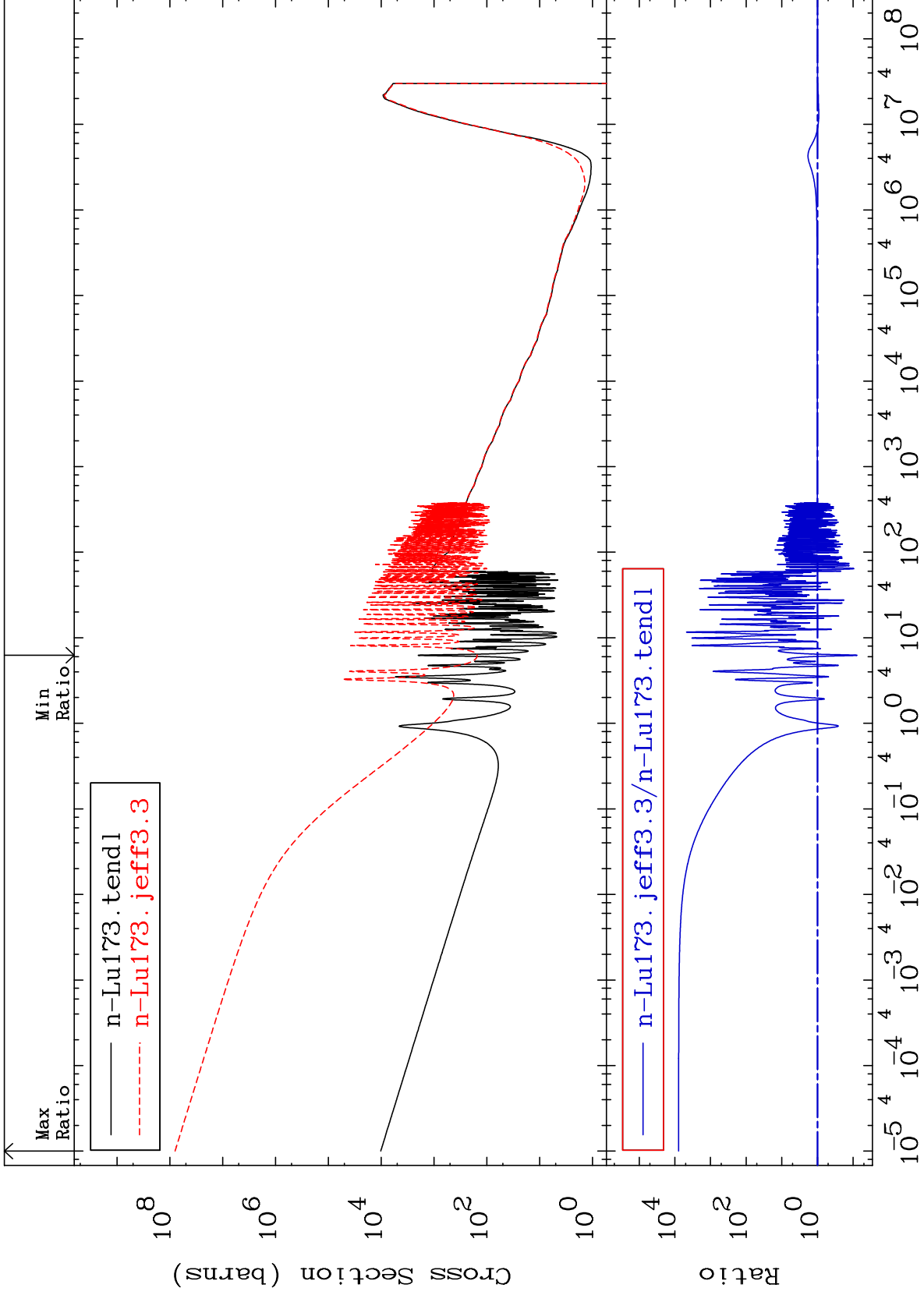
Incident Energy (eV)

71-Lu-173

MAT 7119

Dpa disappearance (mt102 -120)
Cross Section

71-Lu-173
-92.37 To 9999. %



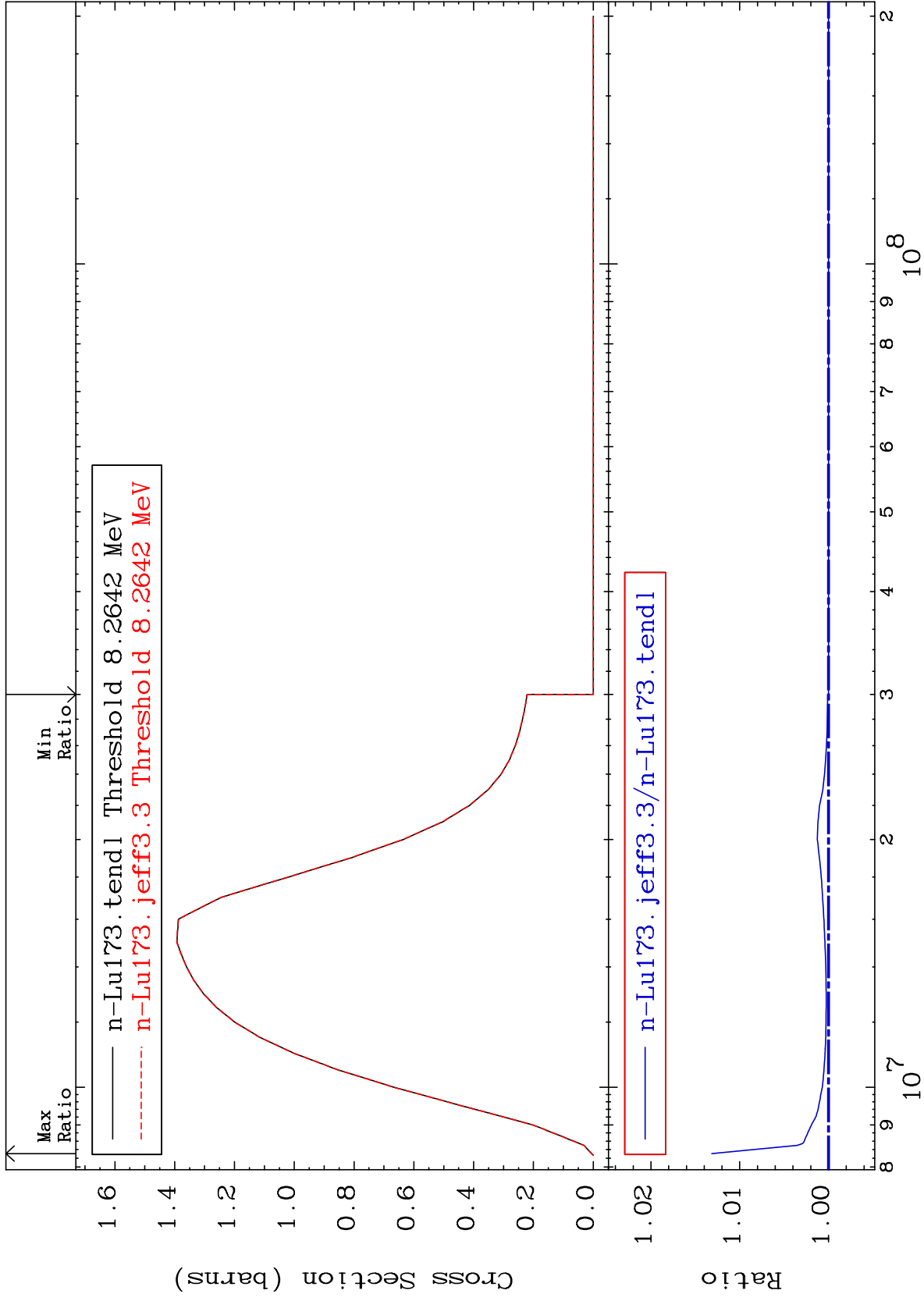
79

MAT 7119

(n,2n):71-Lu-172g

71-Lu-173

Radionuclide Production Cross Section 0.000 To 1.315 %



80

Incident Energy (eV)

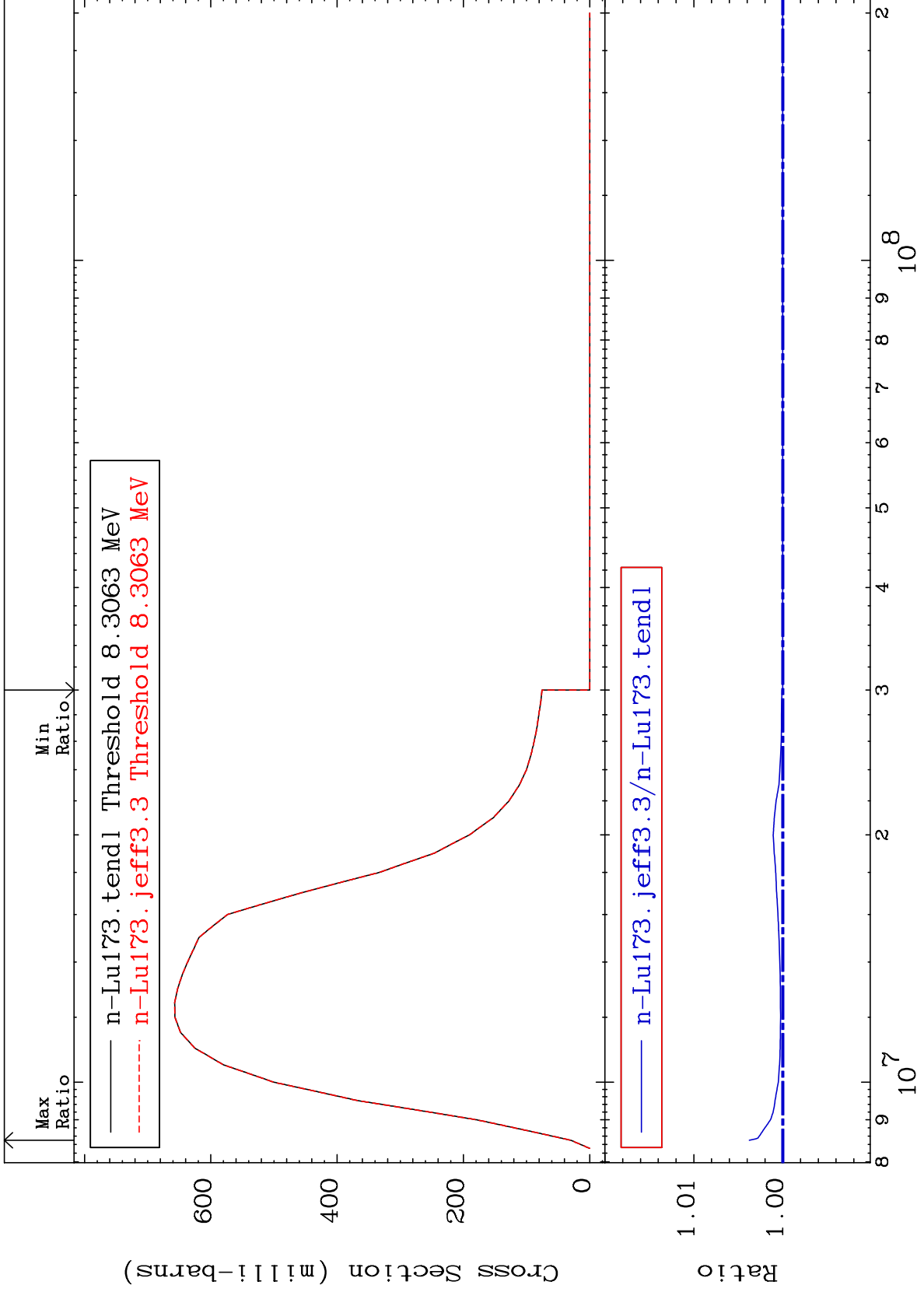
71-Lu-173

MAT 7119

(n,2n):71-Lu-172m1

71-Lu-173

Radionuclide Production Cross Section 0.000 To 0.377 %

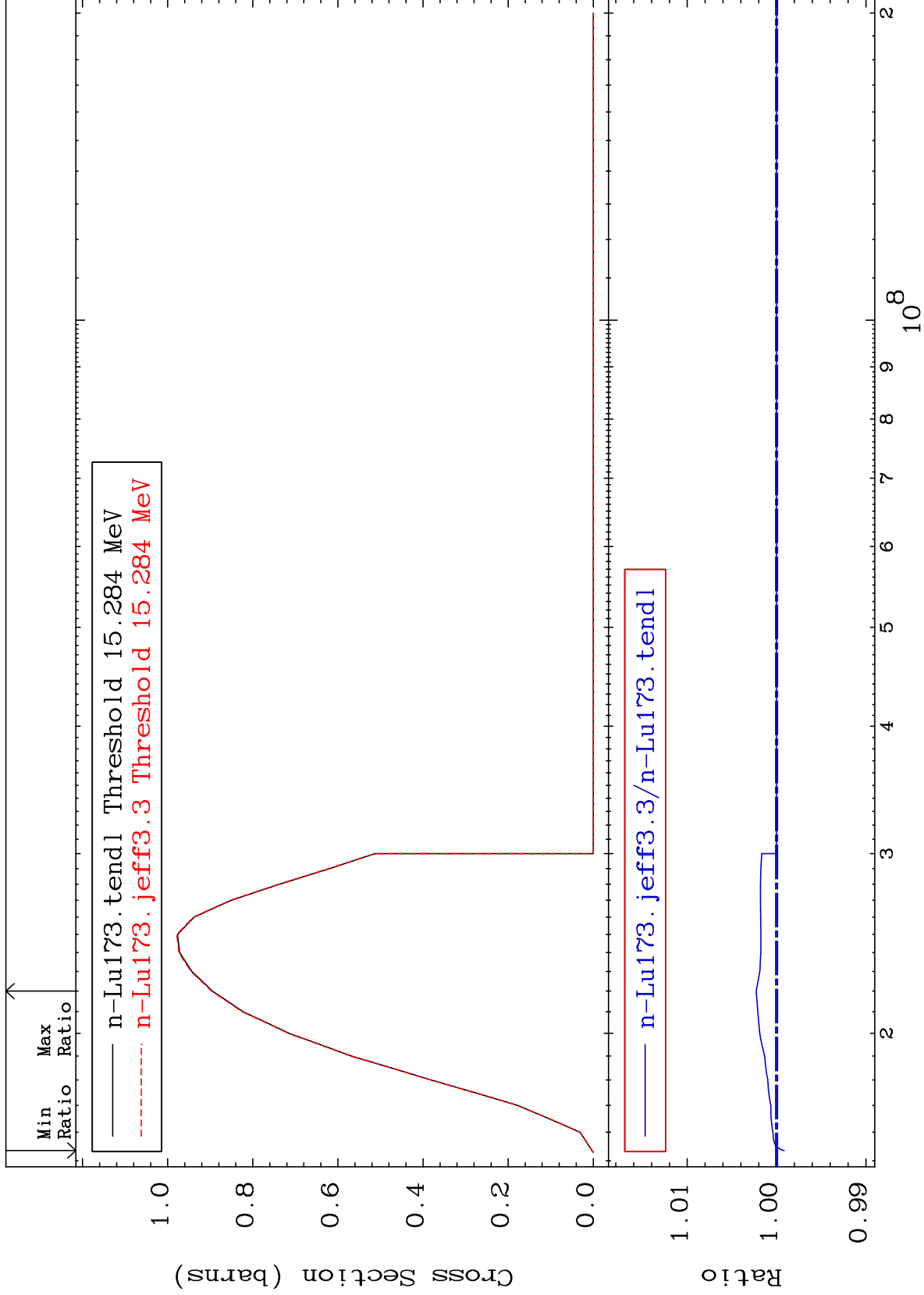


81

Incident Energy (eV)

71-Lu-173

Radionuclide Production Cross Section -0.084 To 0.228 %

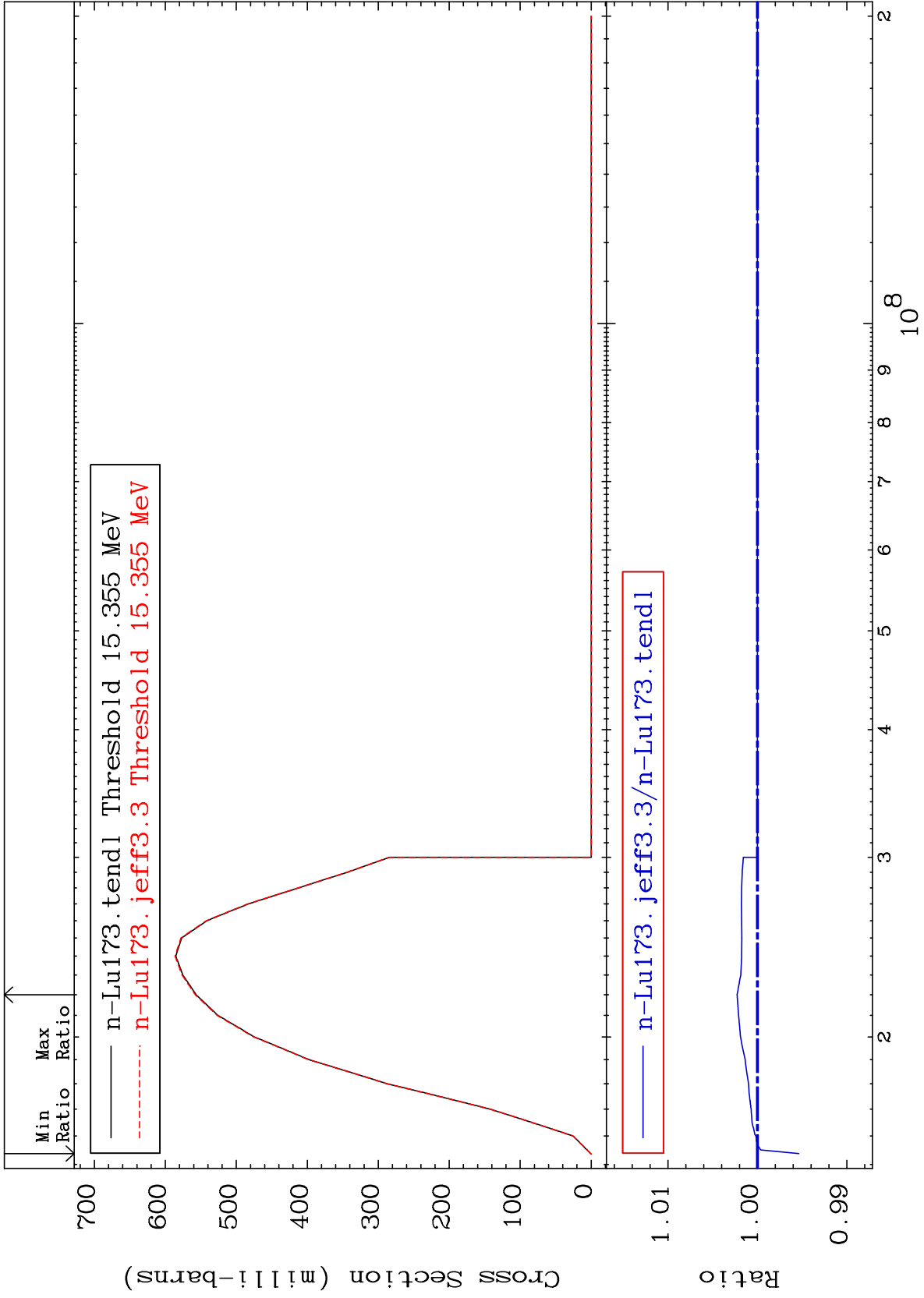


MAT 7119

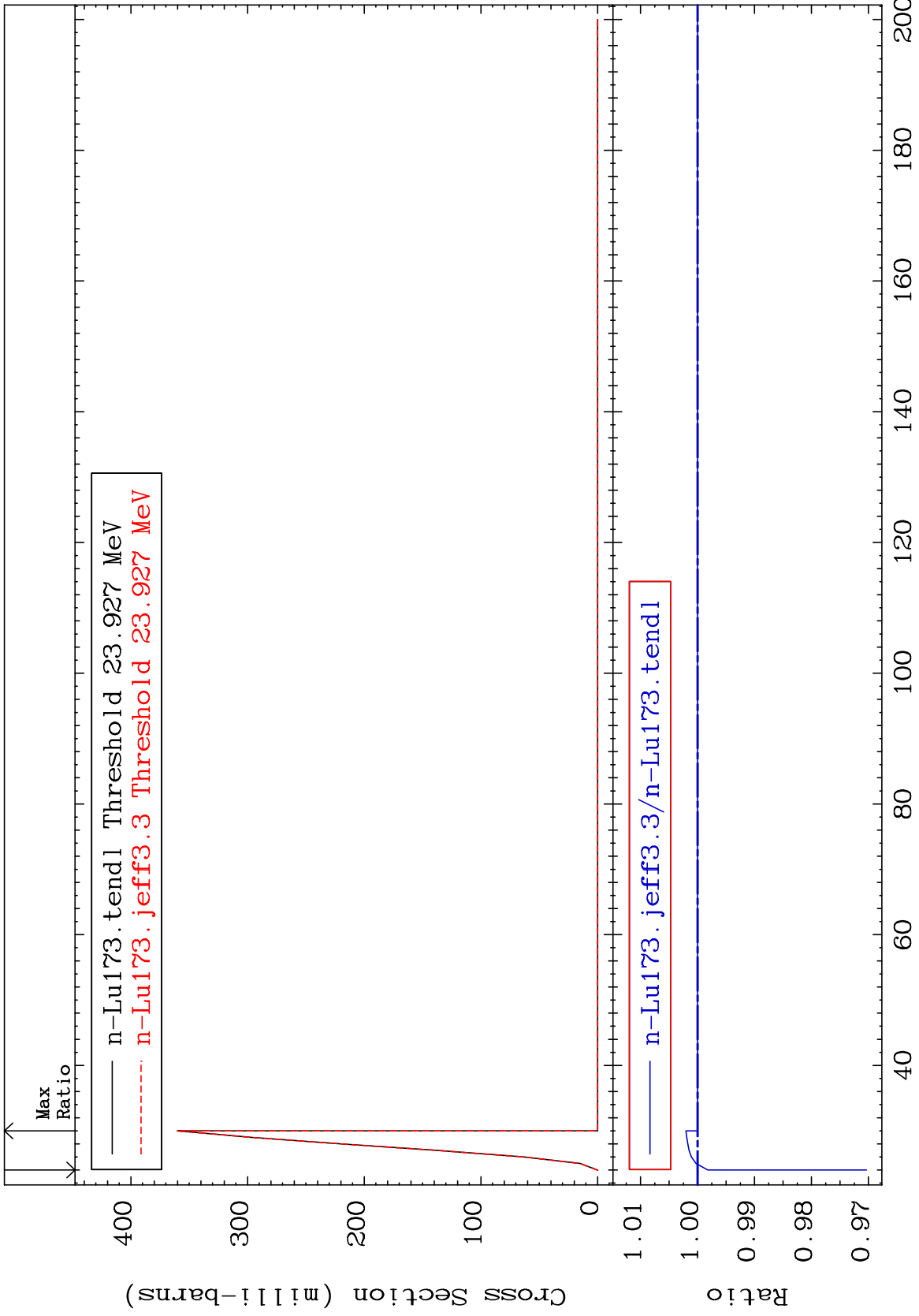
(n,3n):71-Lu-171m1

71-Lu-173

Radionuclide Production Cross Section -0.463 To 0.227 %



Radionuclide Production Cross Section -2.965 To 0.203 %

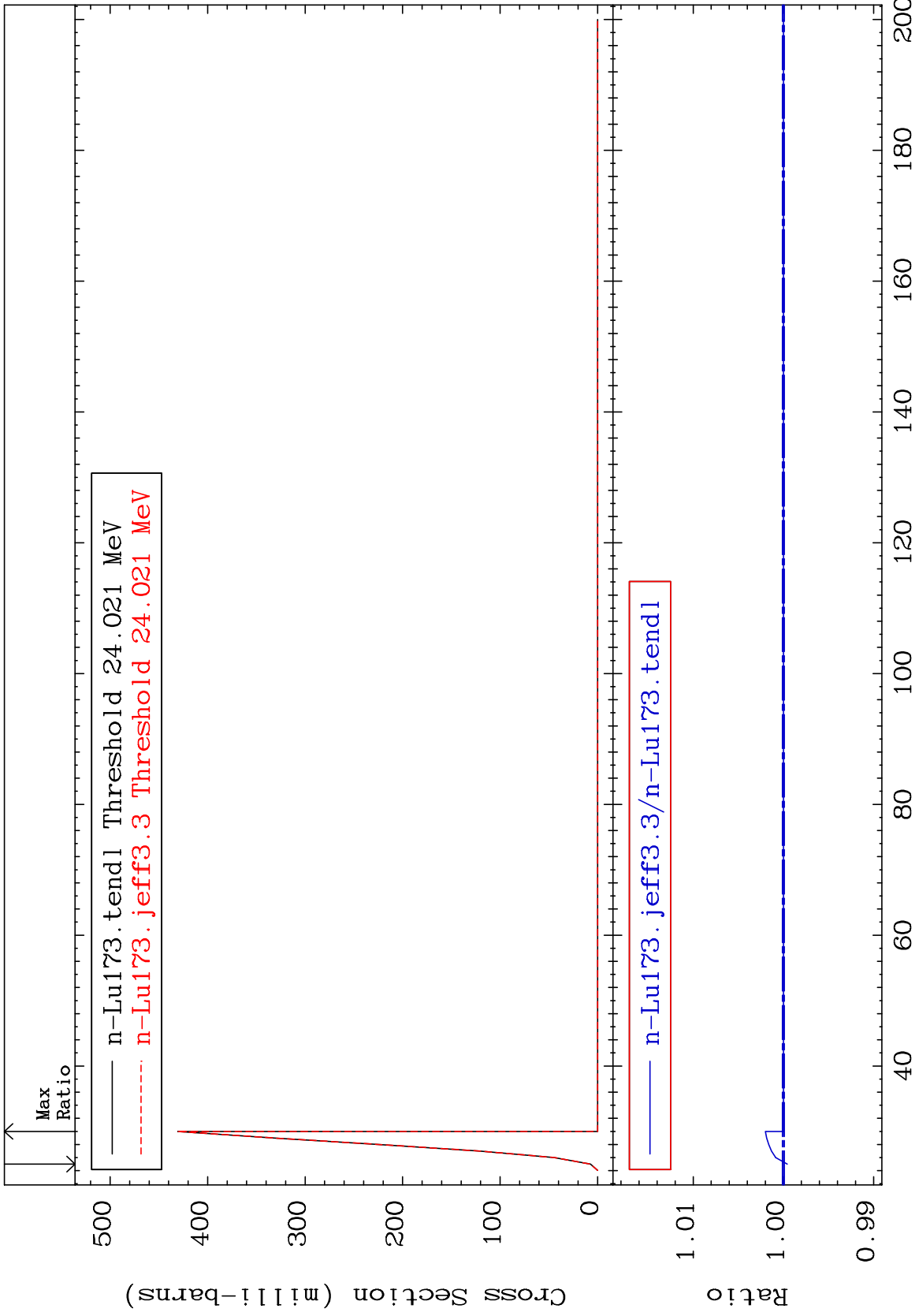


MAT 7119

(n, 4n) : 71-Lu-170m2

71-Lu-173

Radionuclide Production Cross Section -0.042 To 0.200 %



85

Incident Energy (MeV)

71-Lu-173