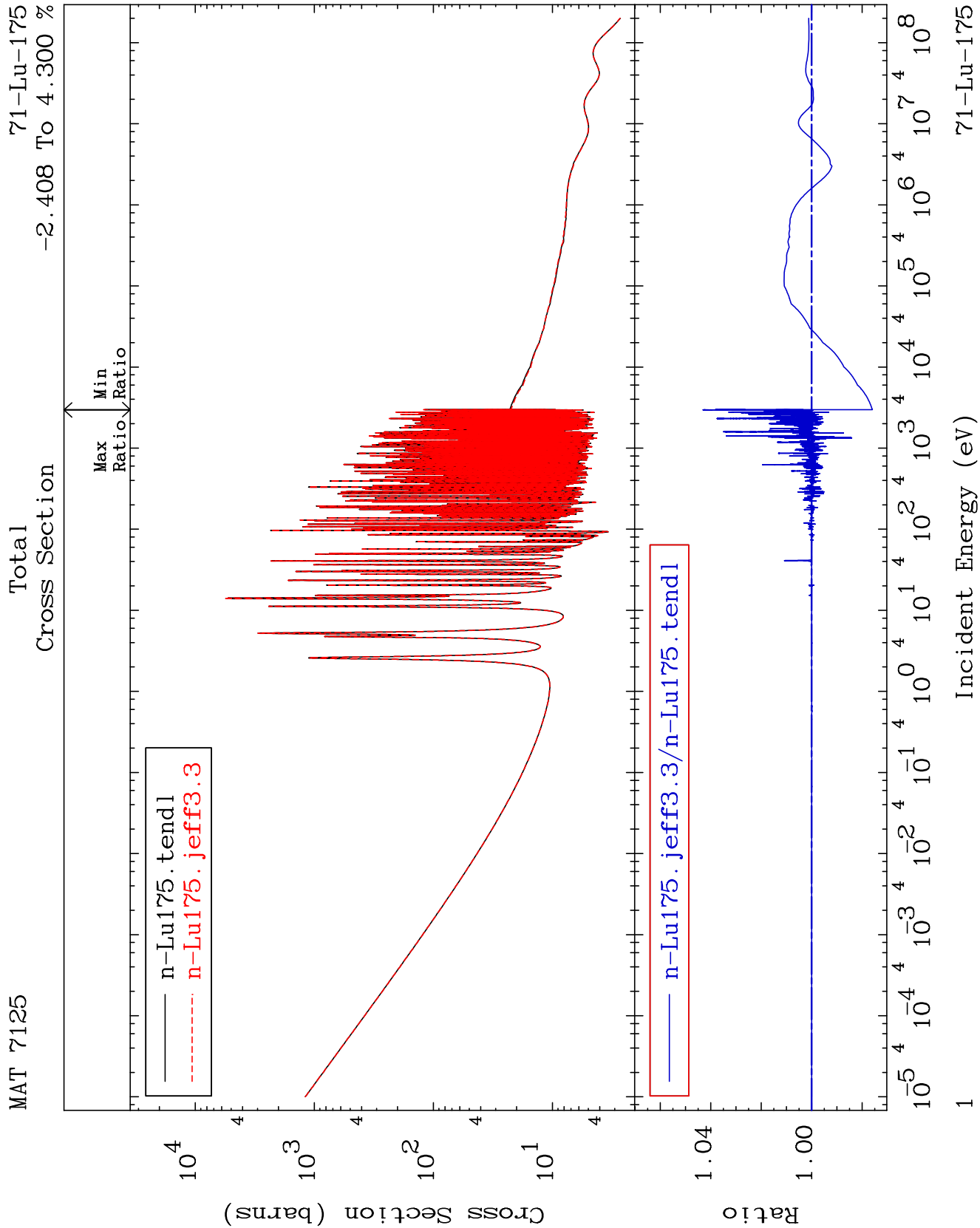




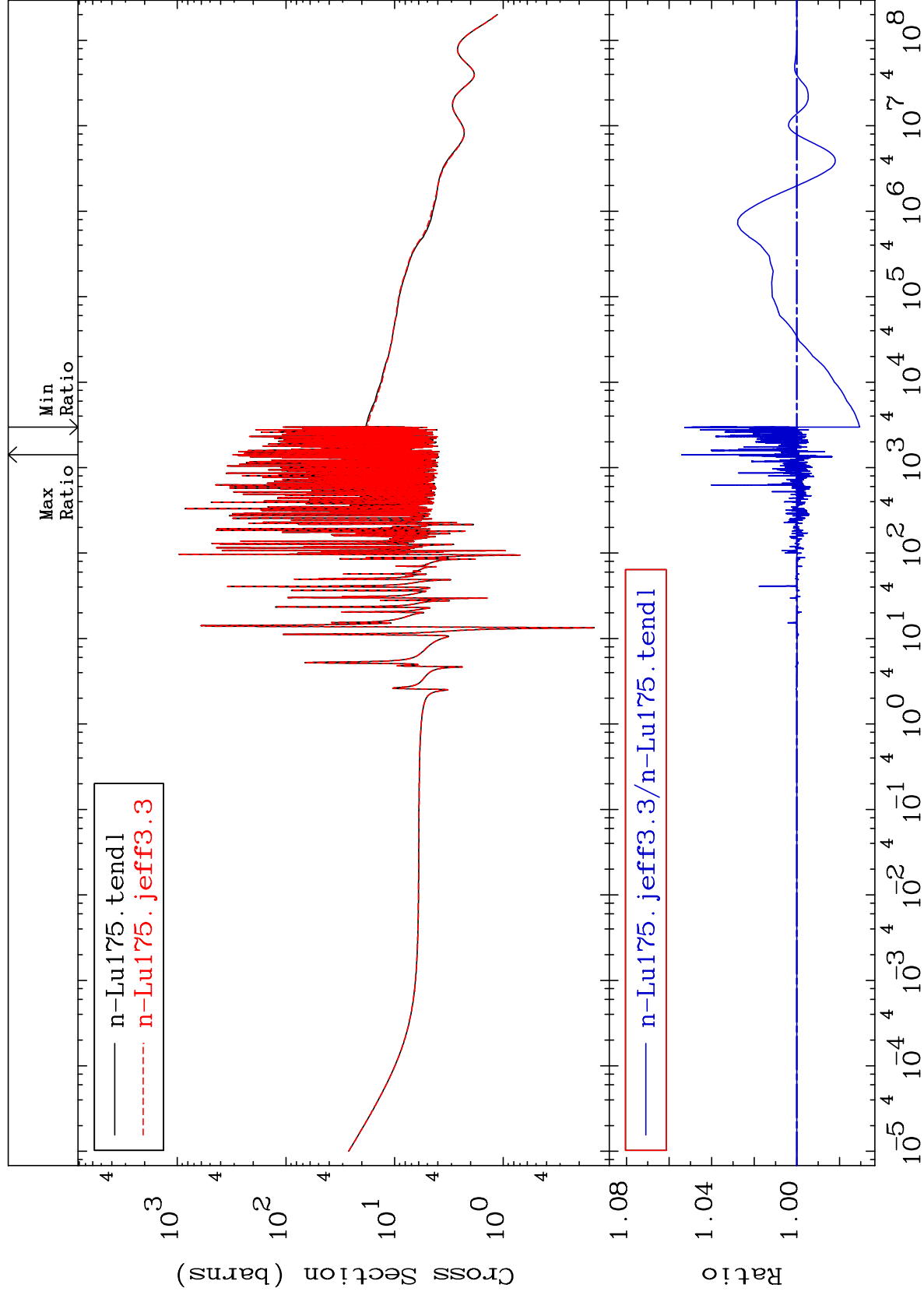
MAT 7125

Elastic

Cross Section

⁷¹Lu-175

-2.950 To 5.422 %



2

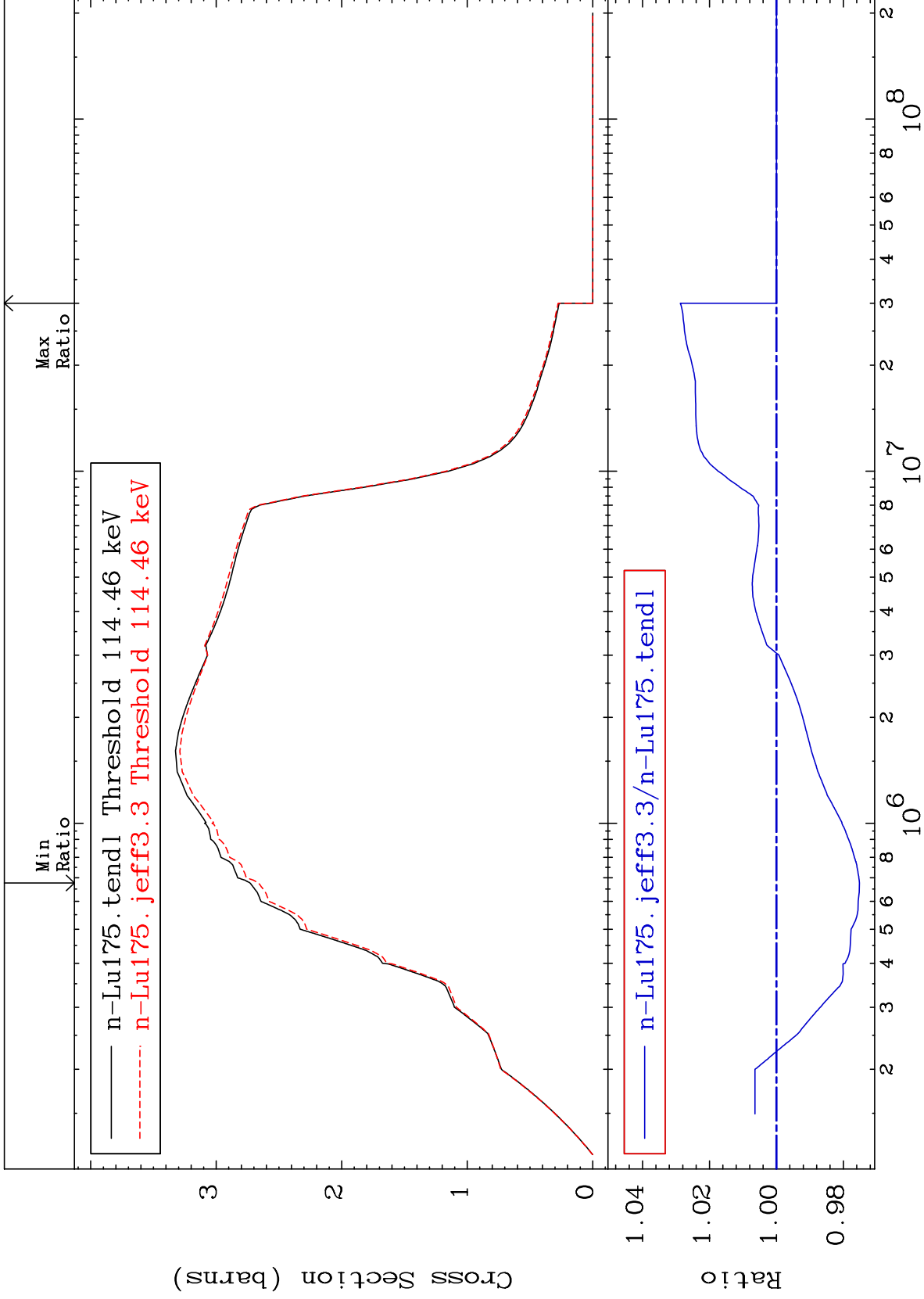
Incident Energy (eV)

⁷¹Lu-175

MAT 7125

Inelastic
Cross Section

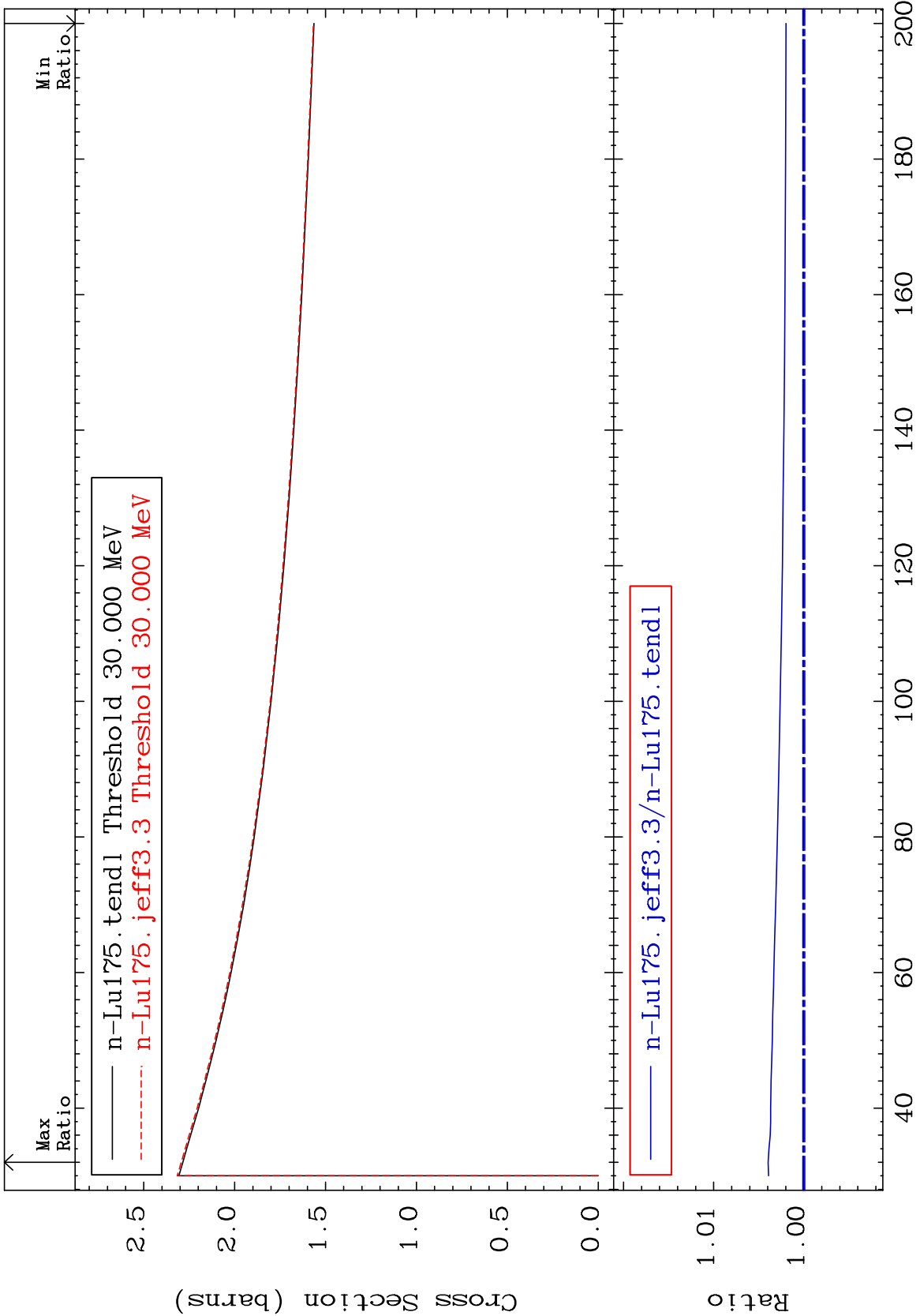
71-Lu-175
-2.479 To 2.870 %

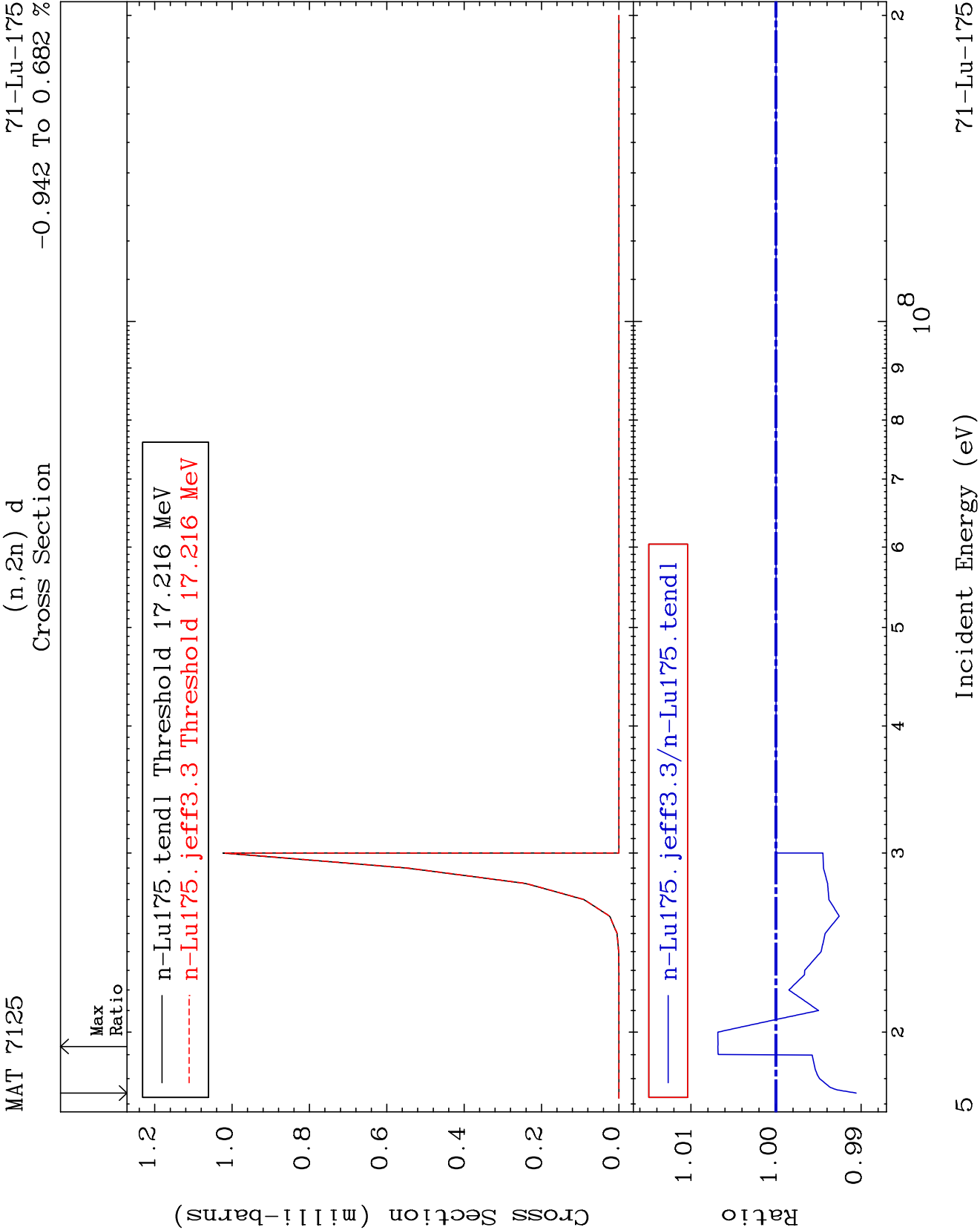


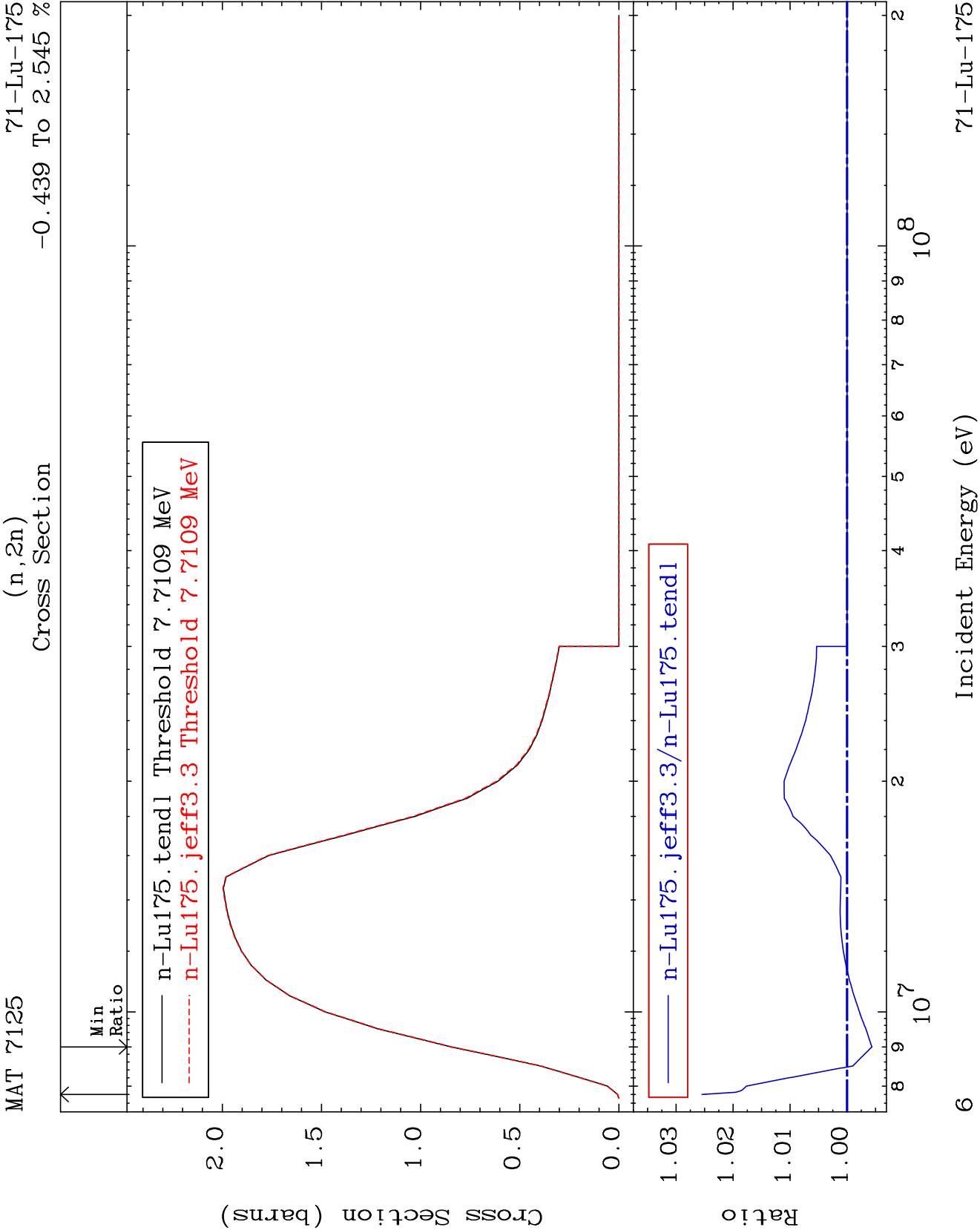
MAT 7125

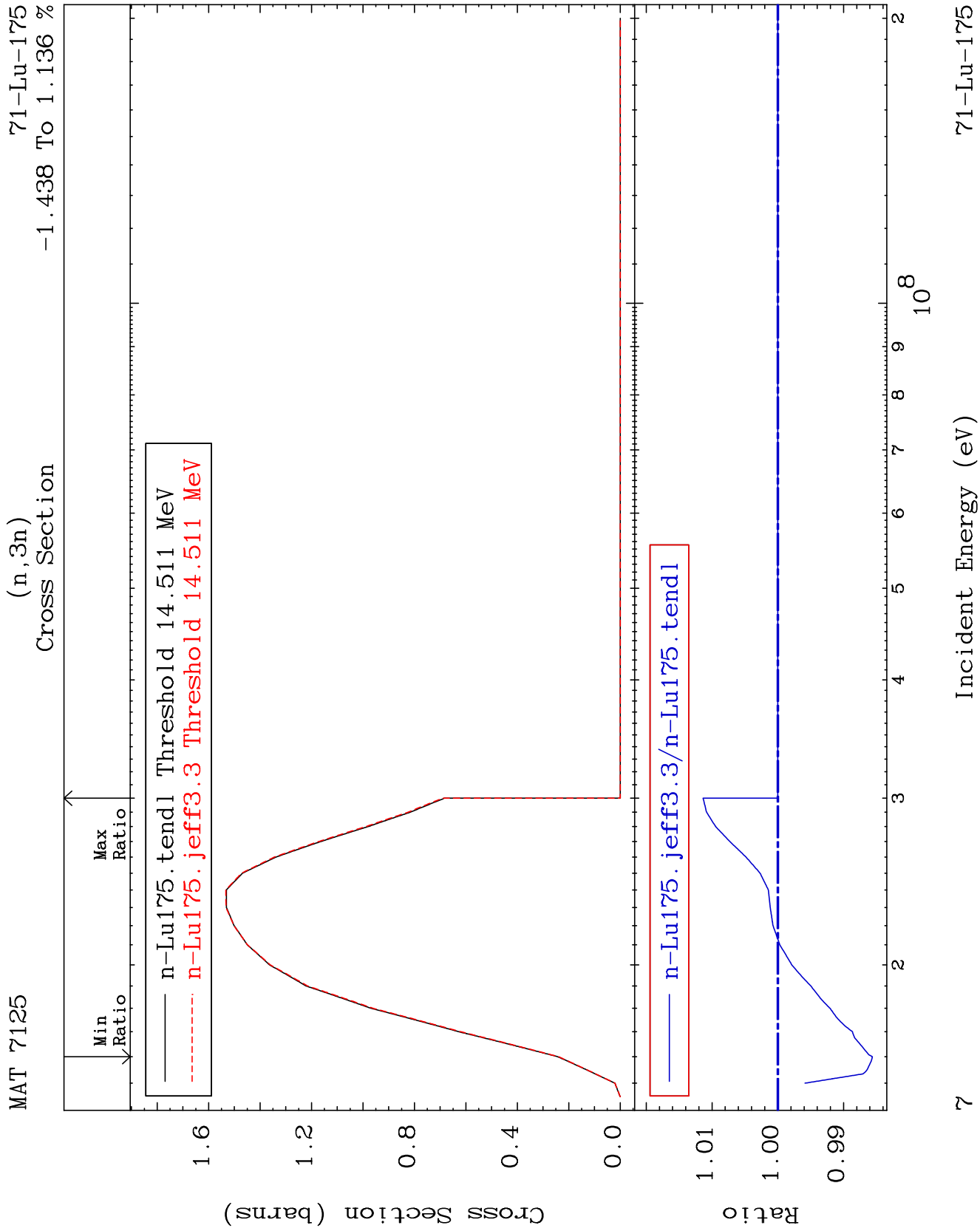
(n,remainder)
Cross Section

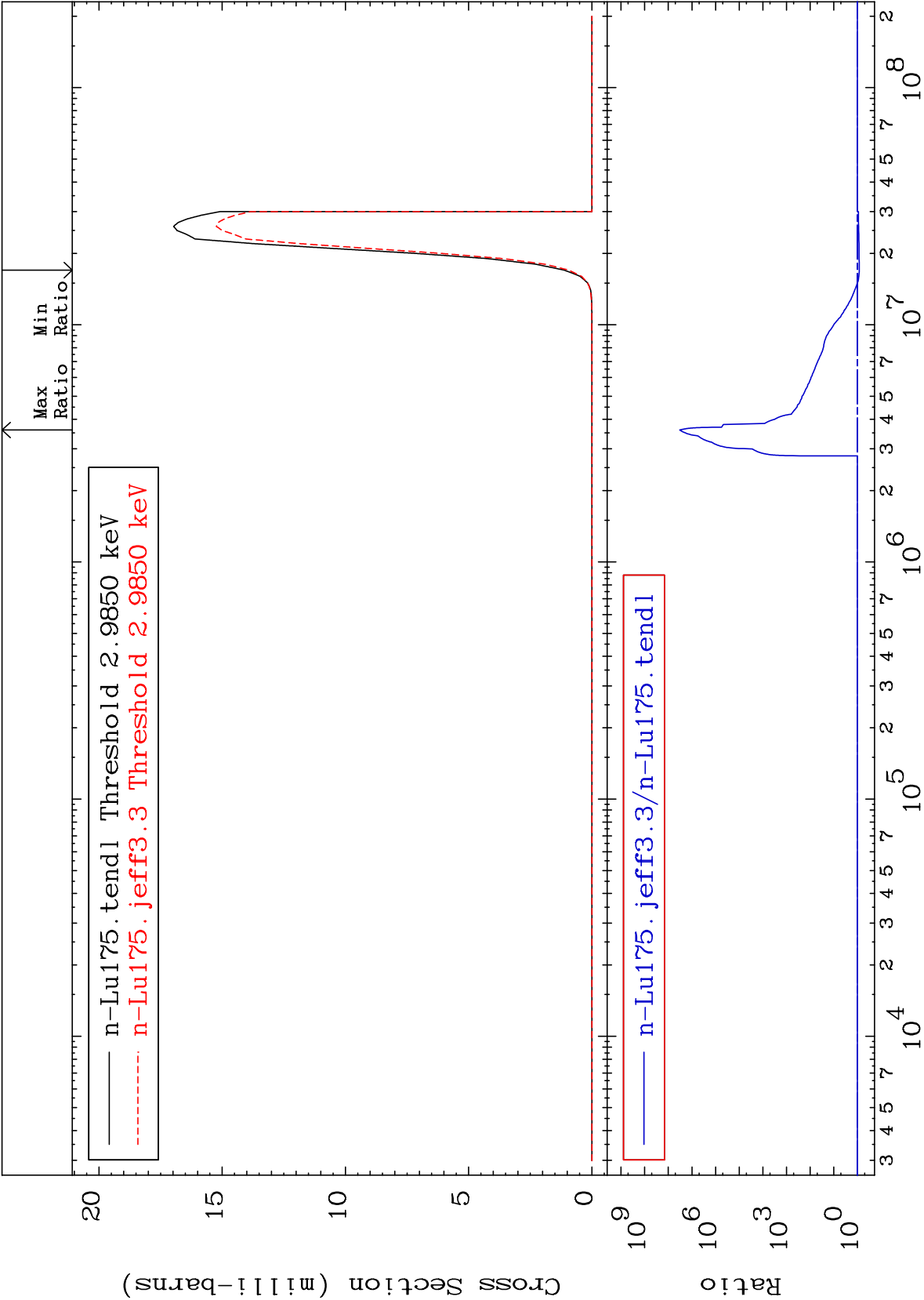
71-Lu-175
0.197 To 0.395 %





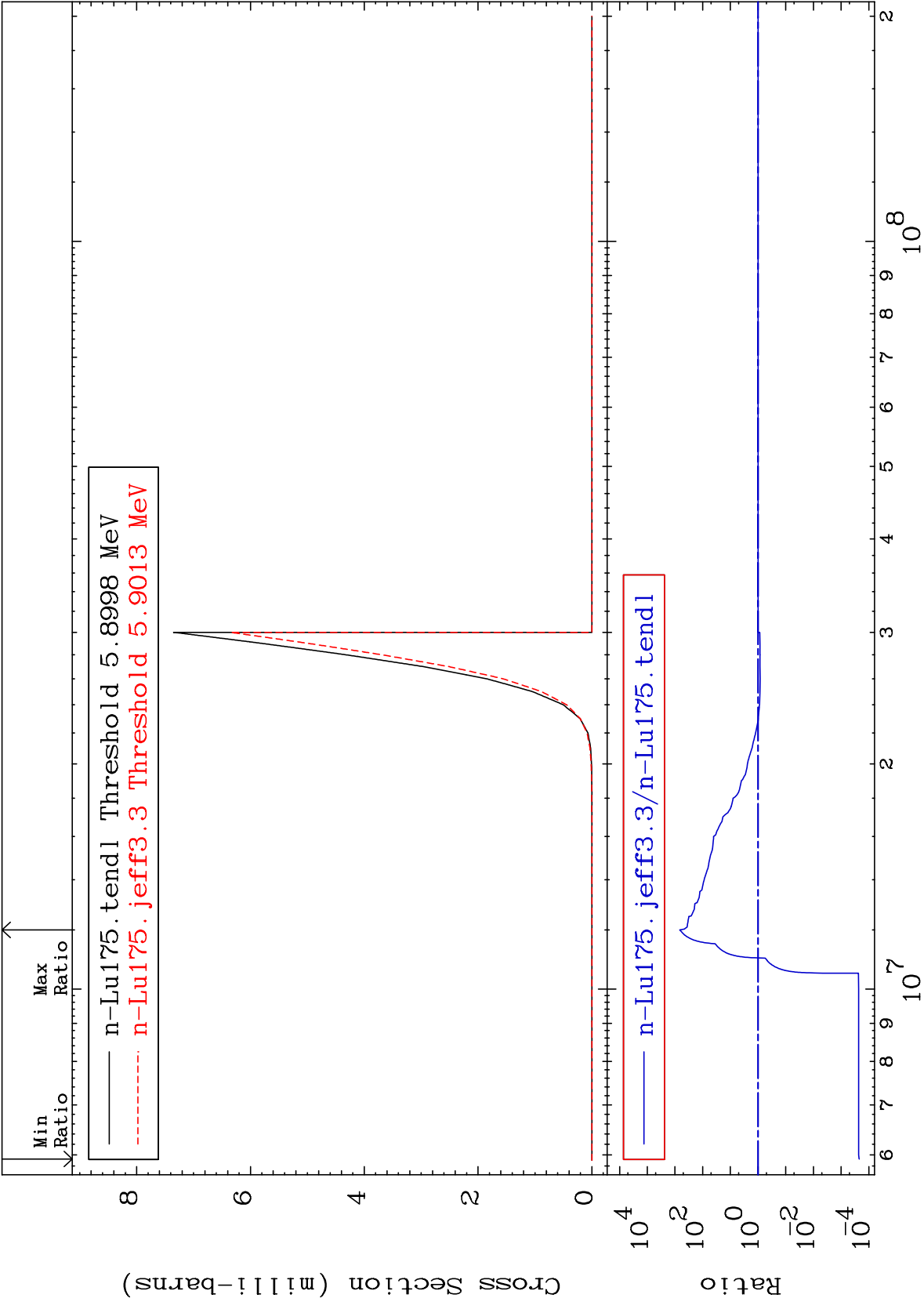


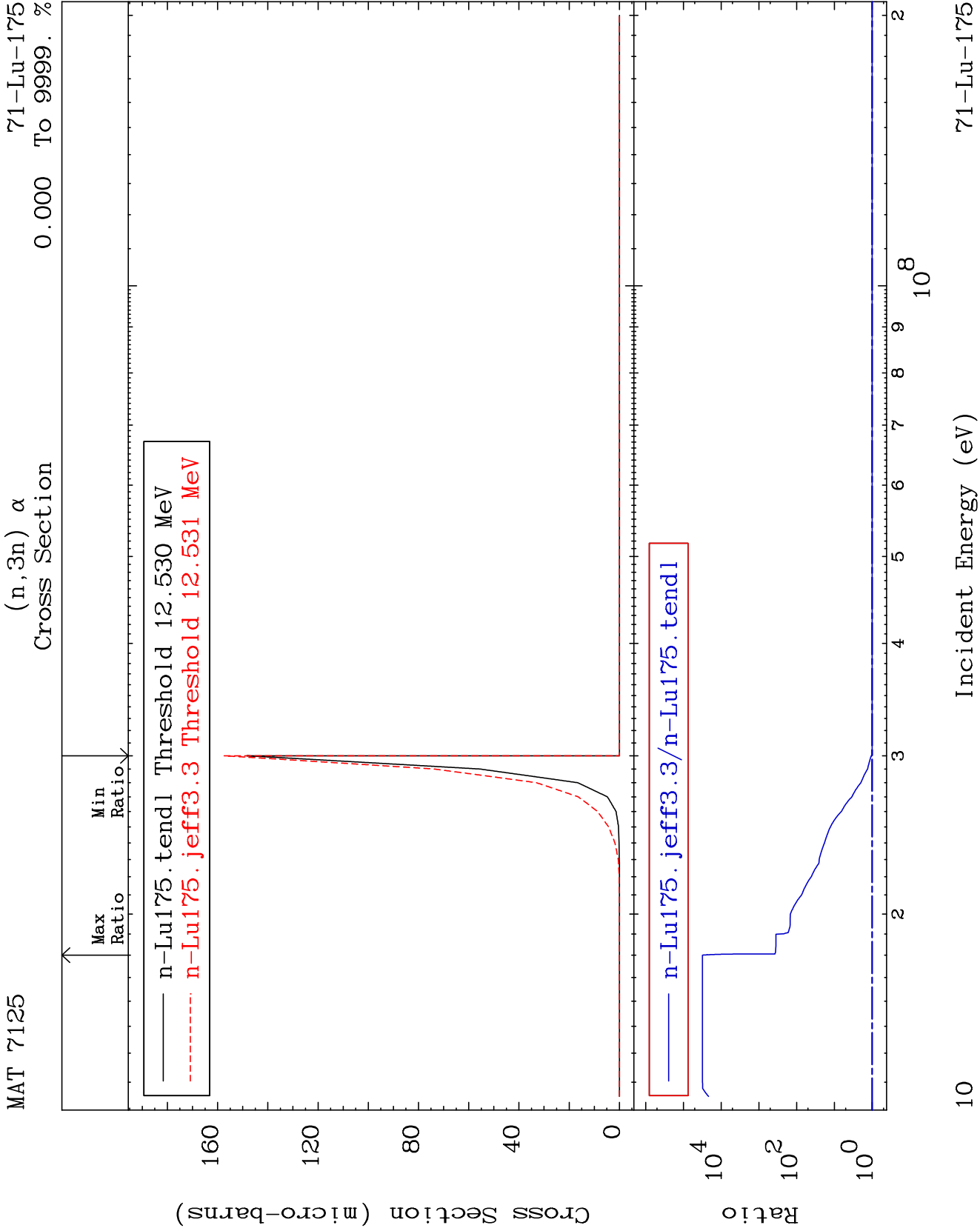


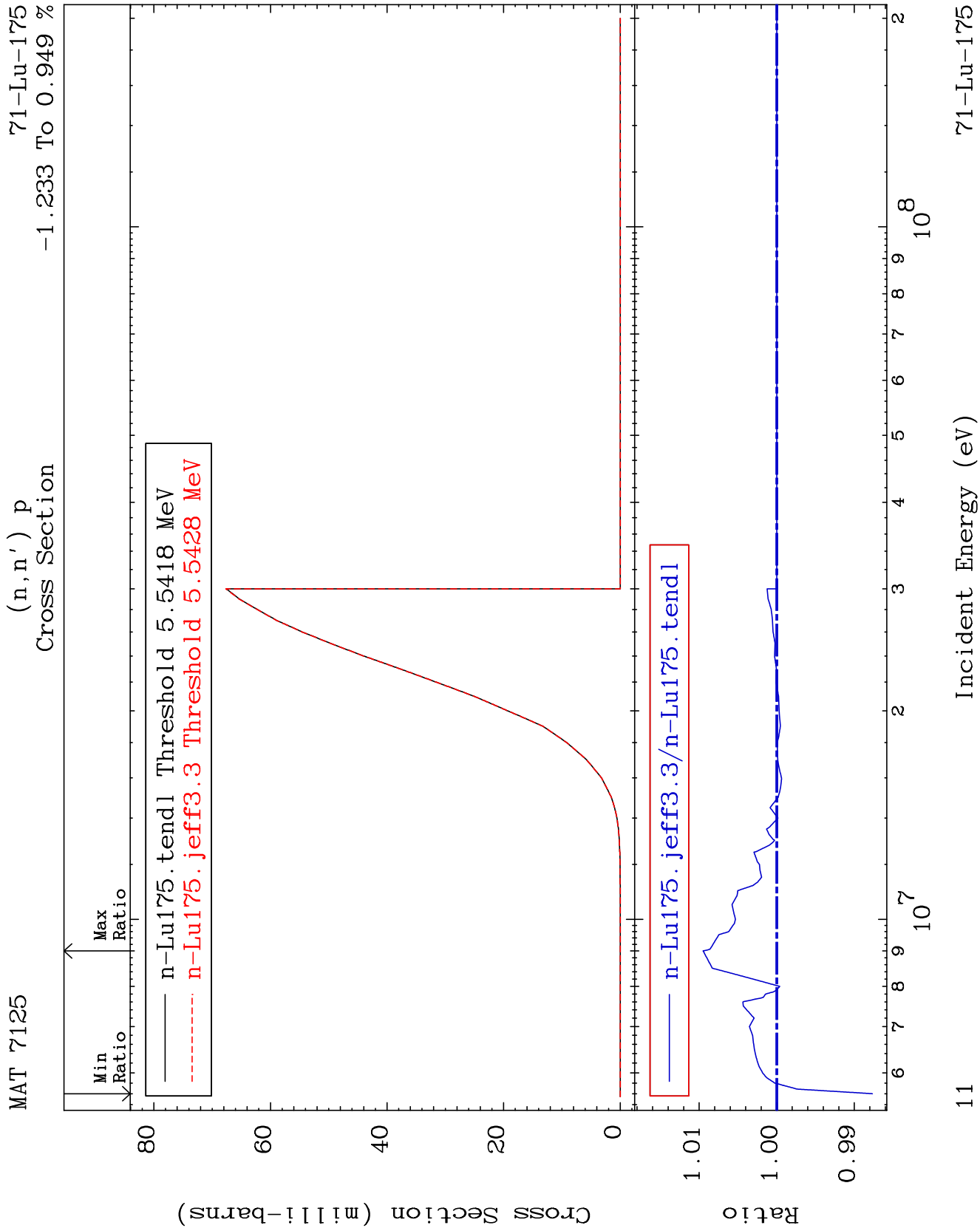


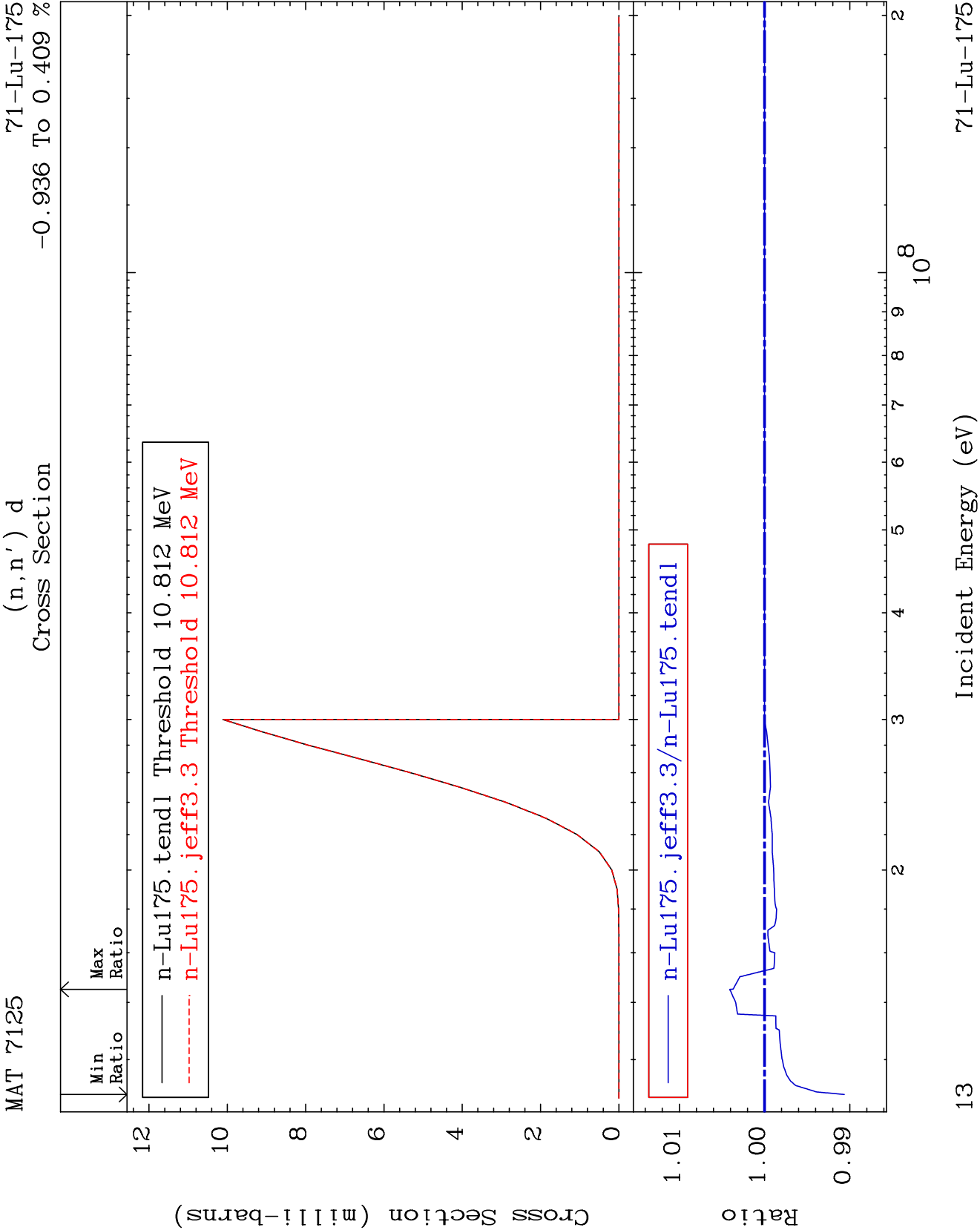
MAT 7125

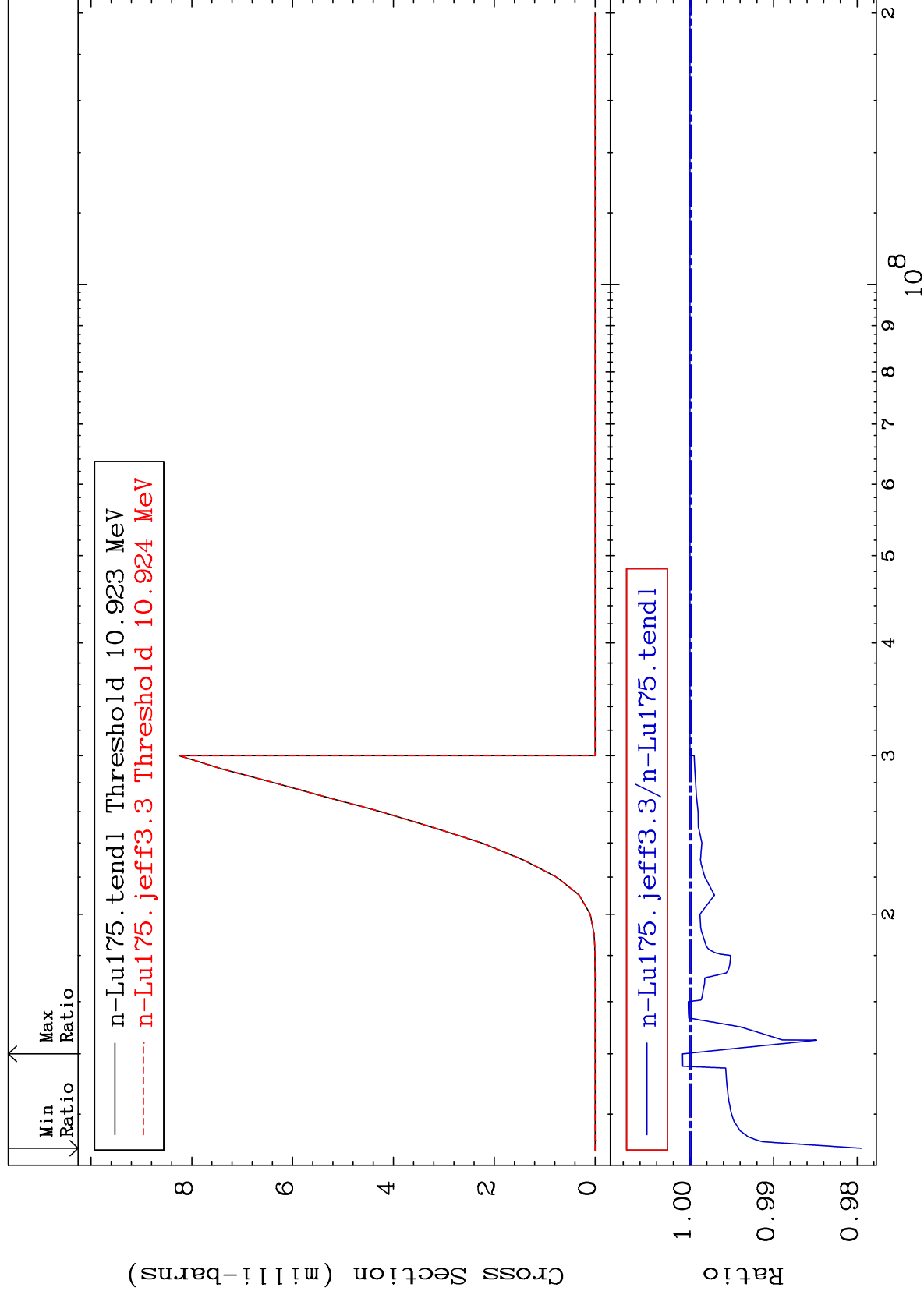
(n,2n) α
Cross Section
71-Lu-175
-99.98 To 9999. %

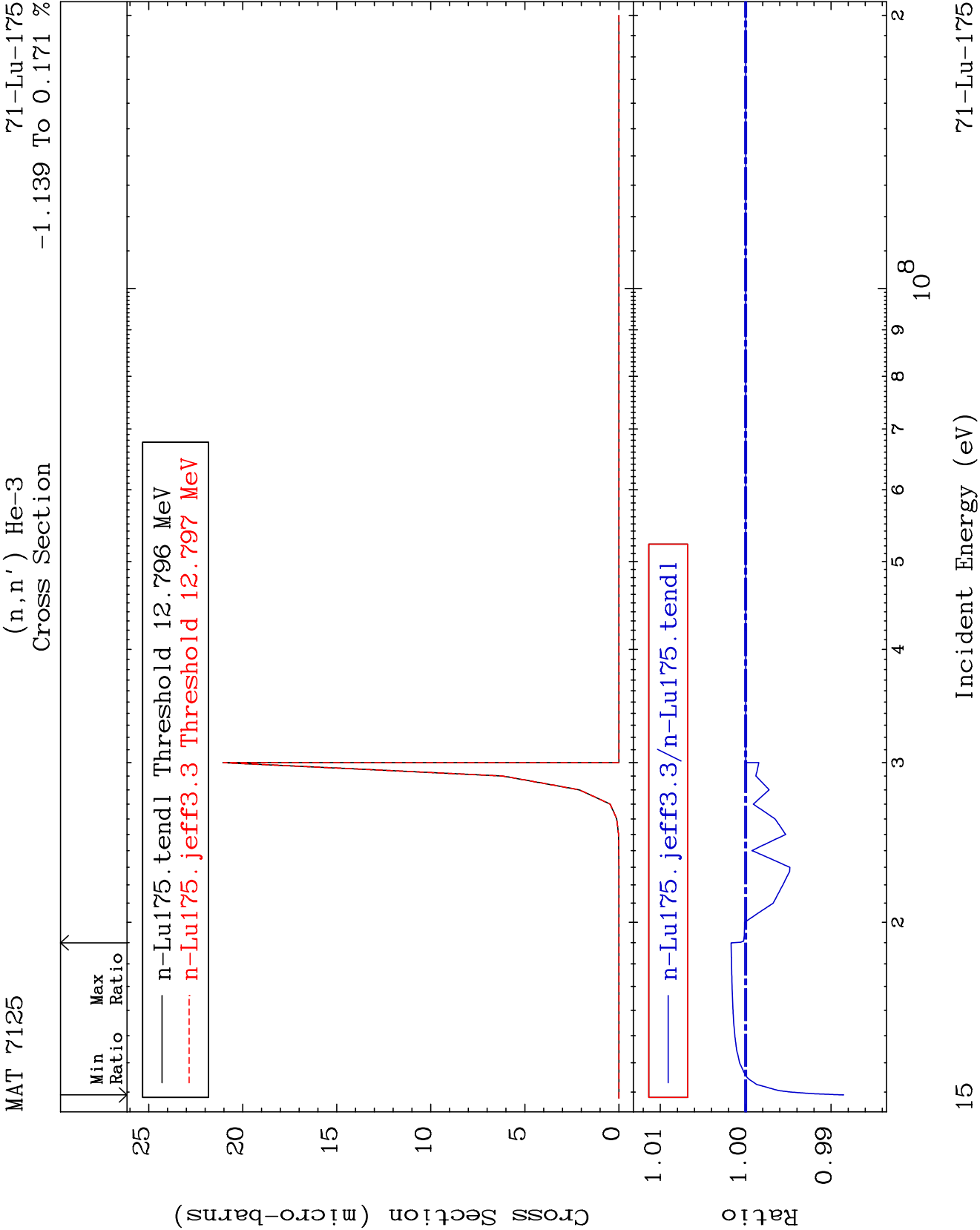












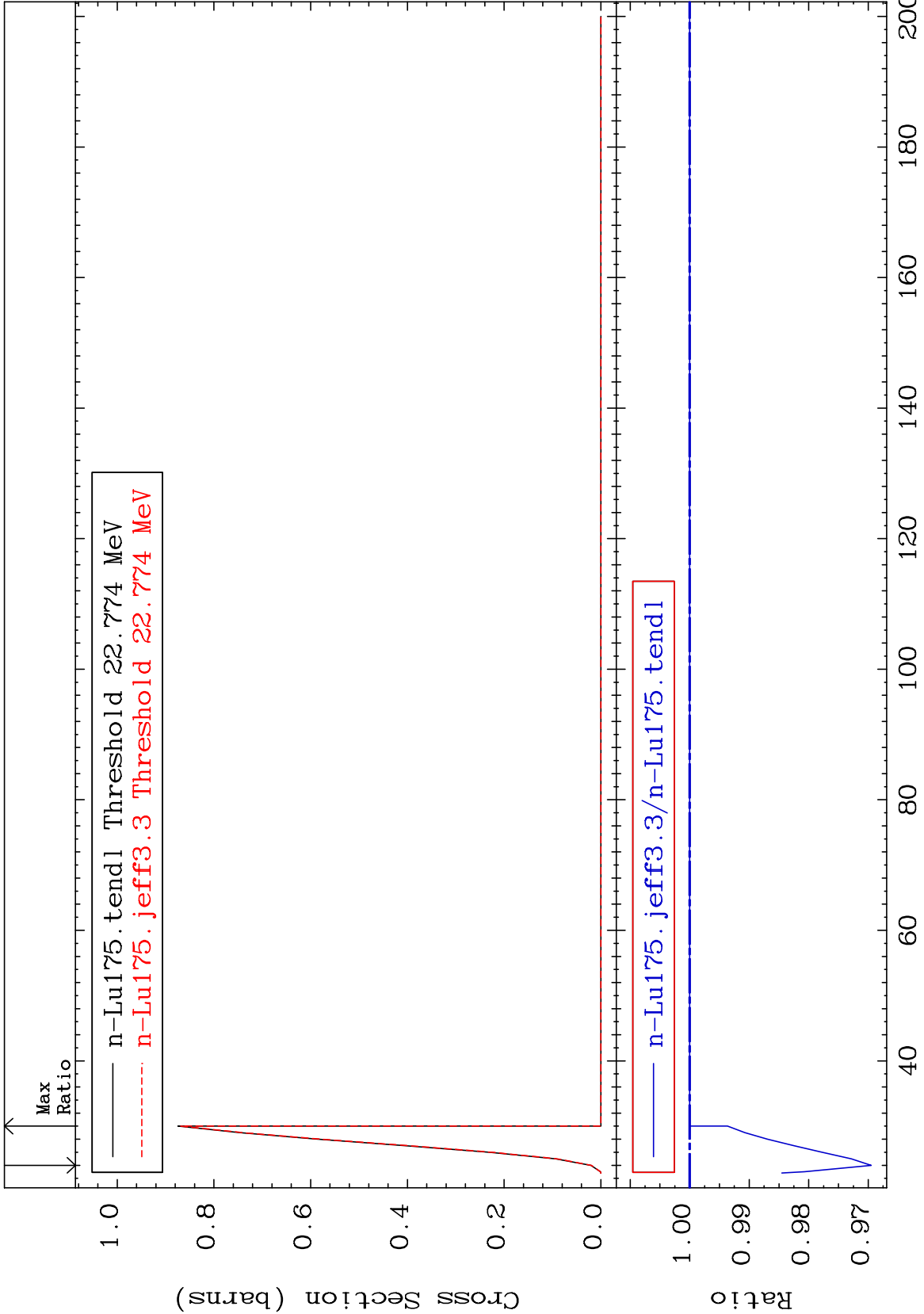
MAT 7125

(n,4n)

⁷¹Lu-¹⁷⁵

Cross Section

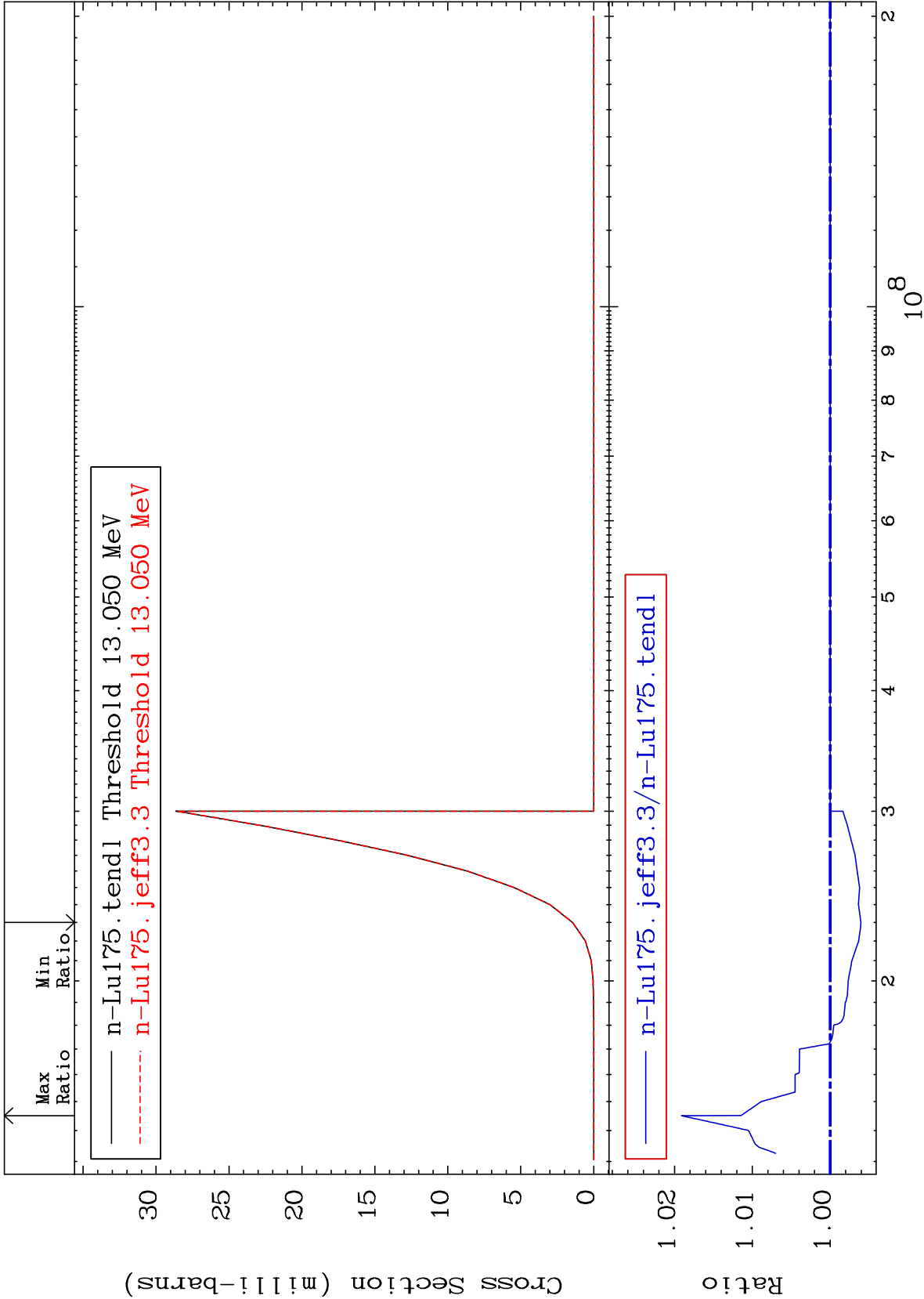
-3.050 To 0.000 %



MAT 7125

(n,2n) p
Cross Section

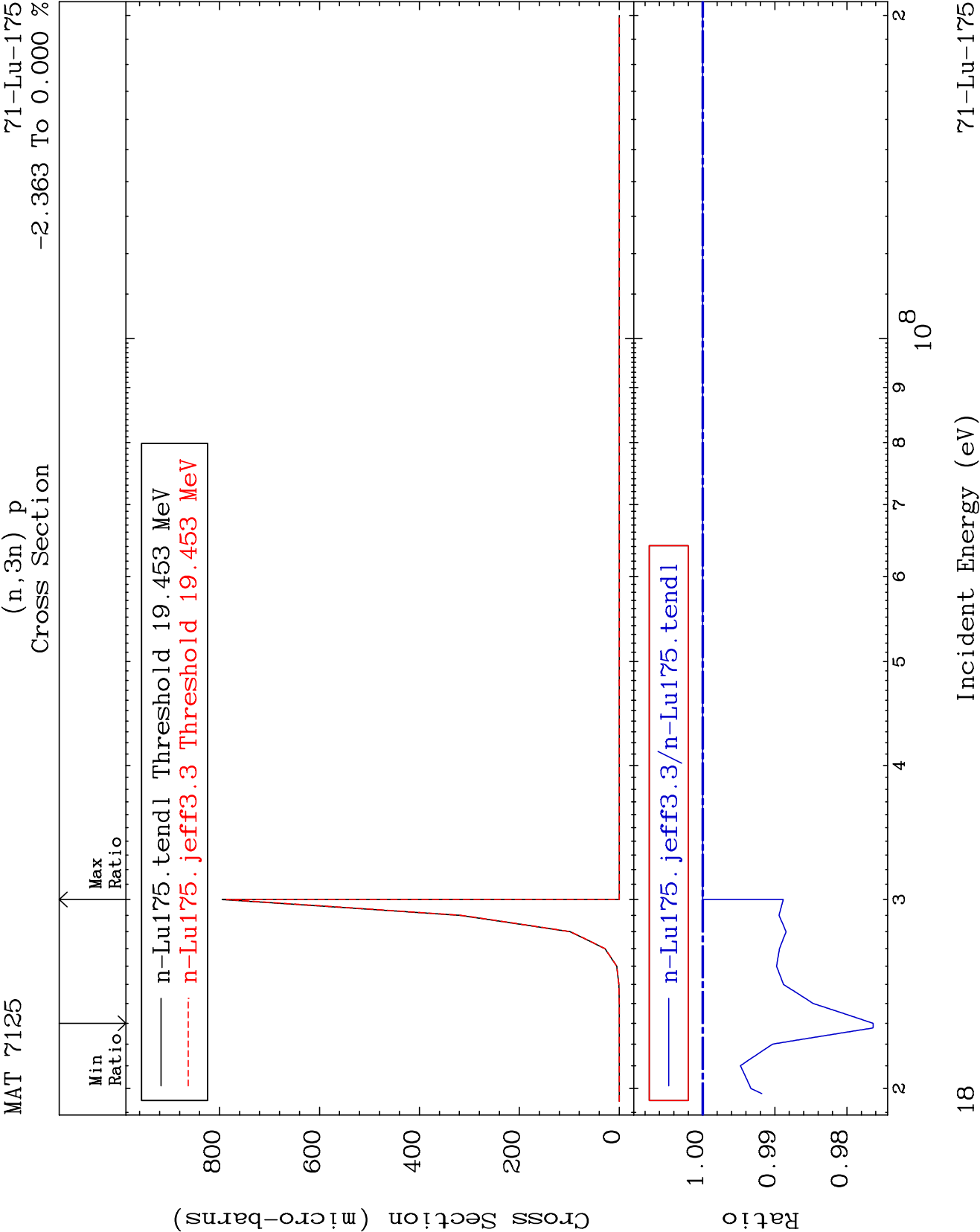
⁷¹Lu-¹⁷⁵
-0.395 To 1.911 %

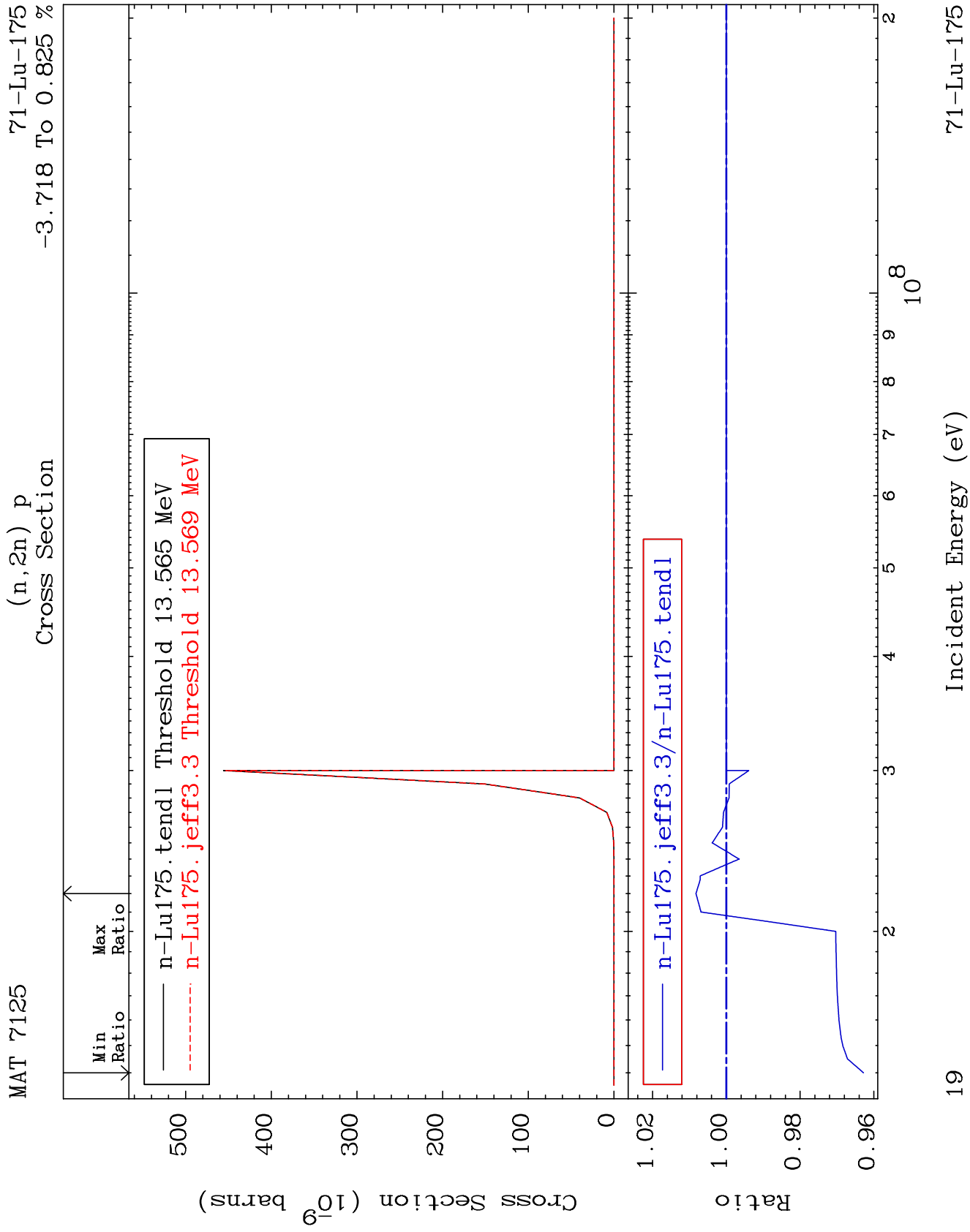


17

Incident Energy (eV)

⁷¹Lu-¹⁷⁵

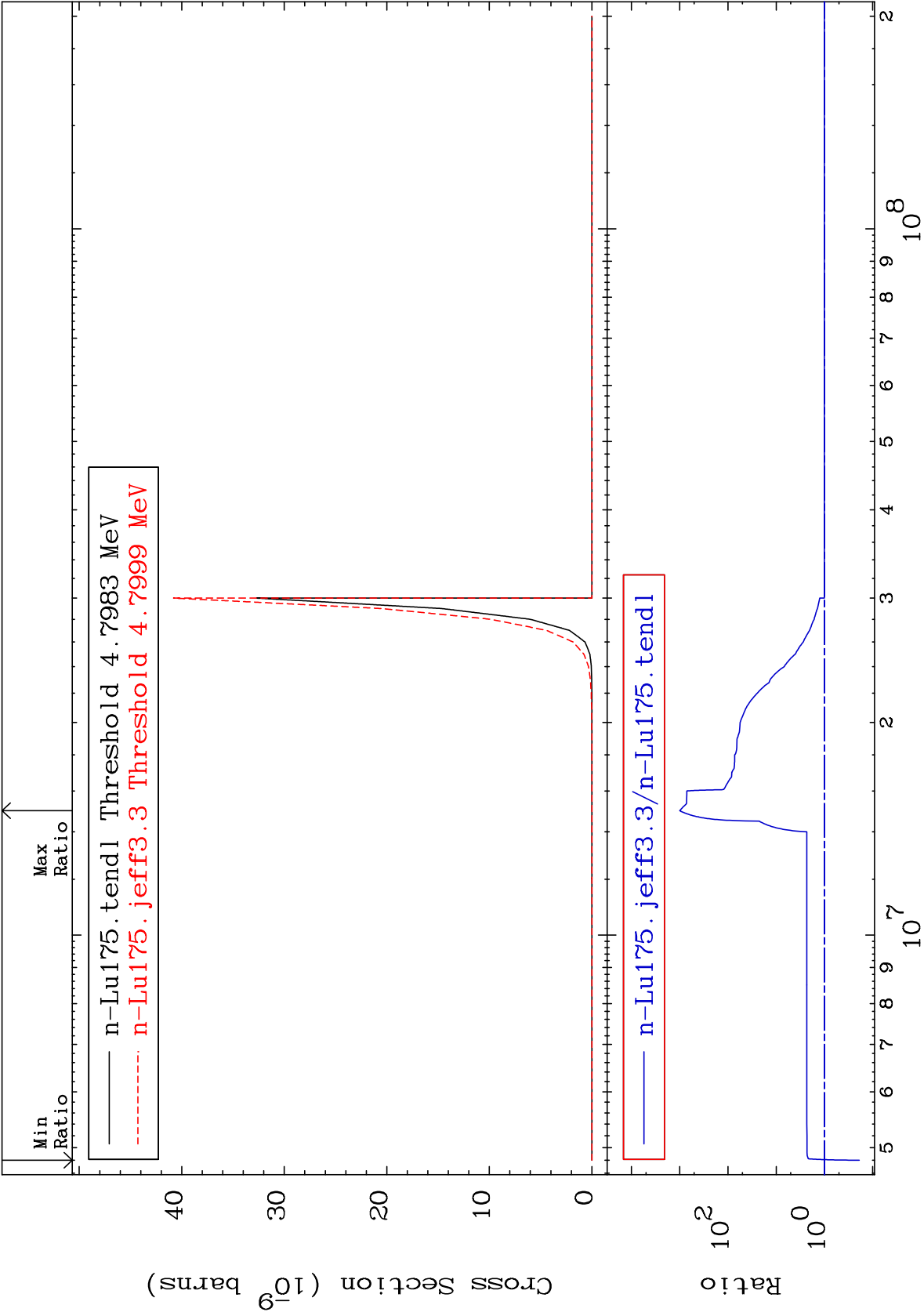




MAT 7125

(n,n') p α
Cross Section

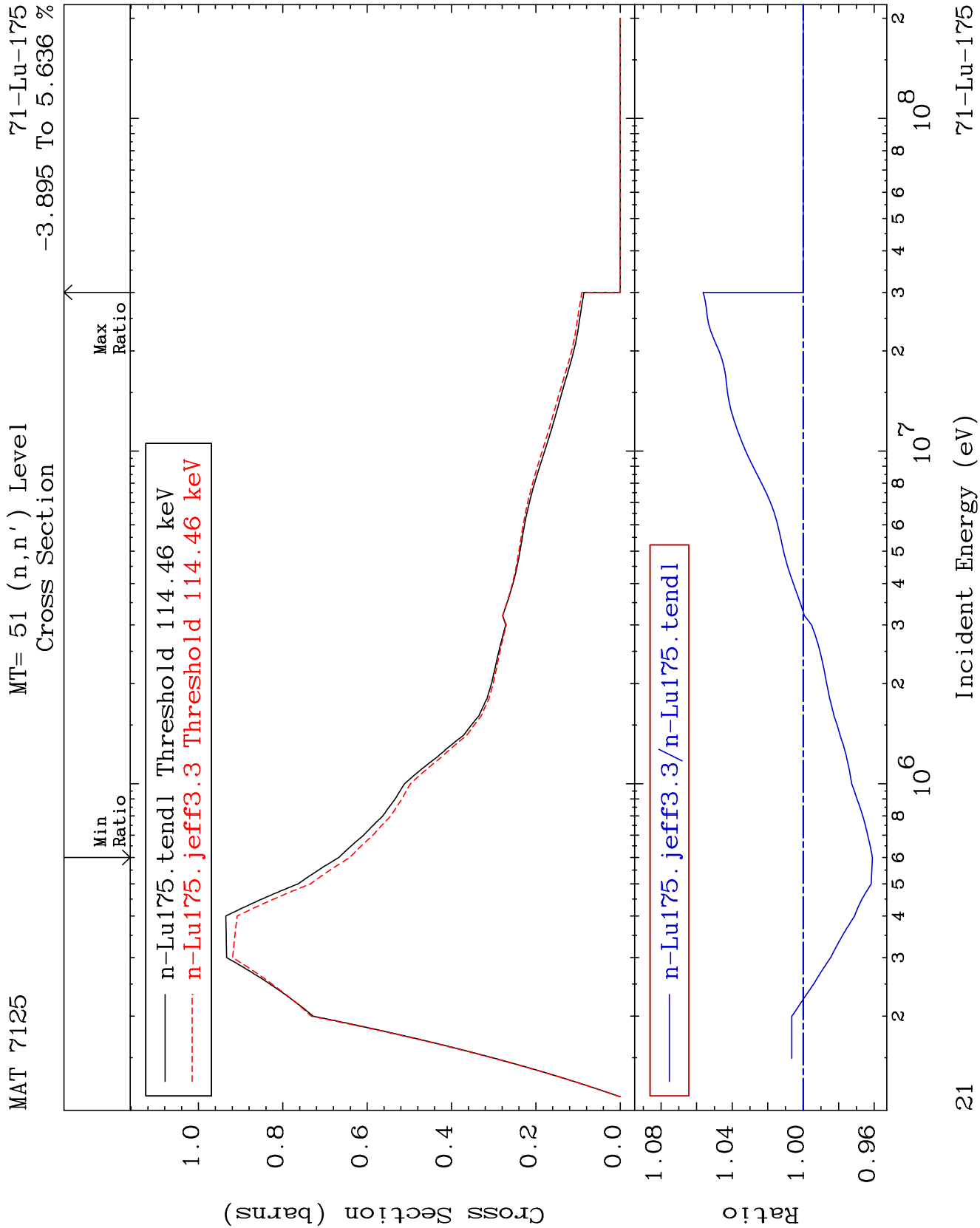
⁷¹Lu-¹⁷⁵
-81.02 To 9999. %

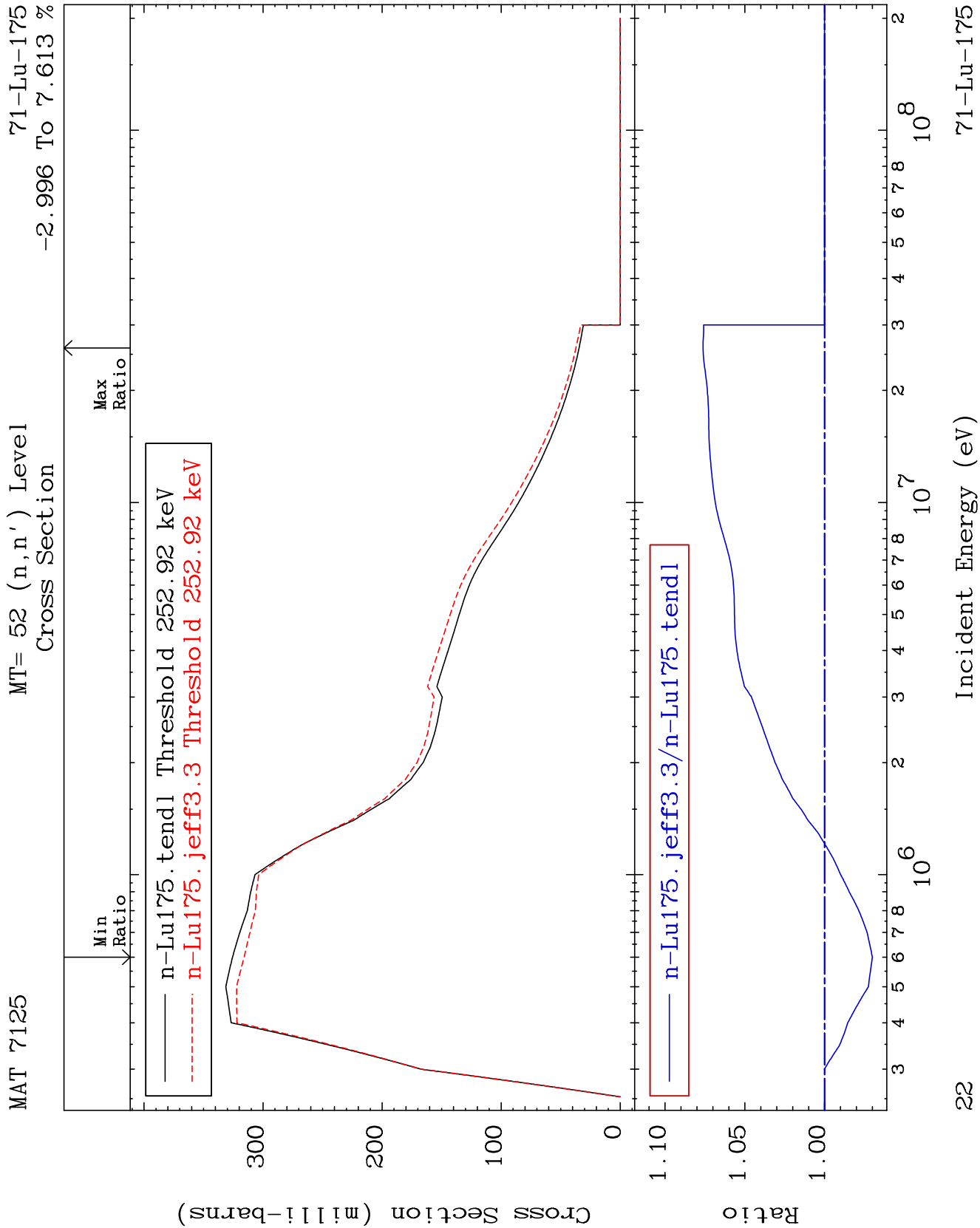


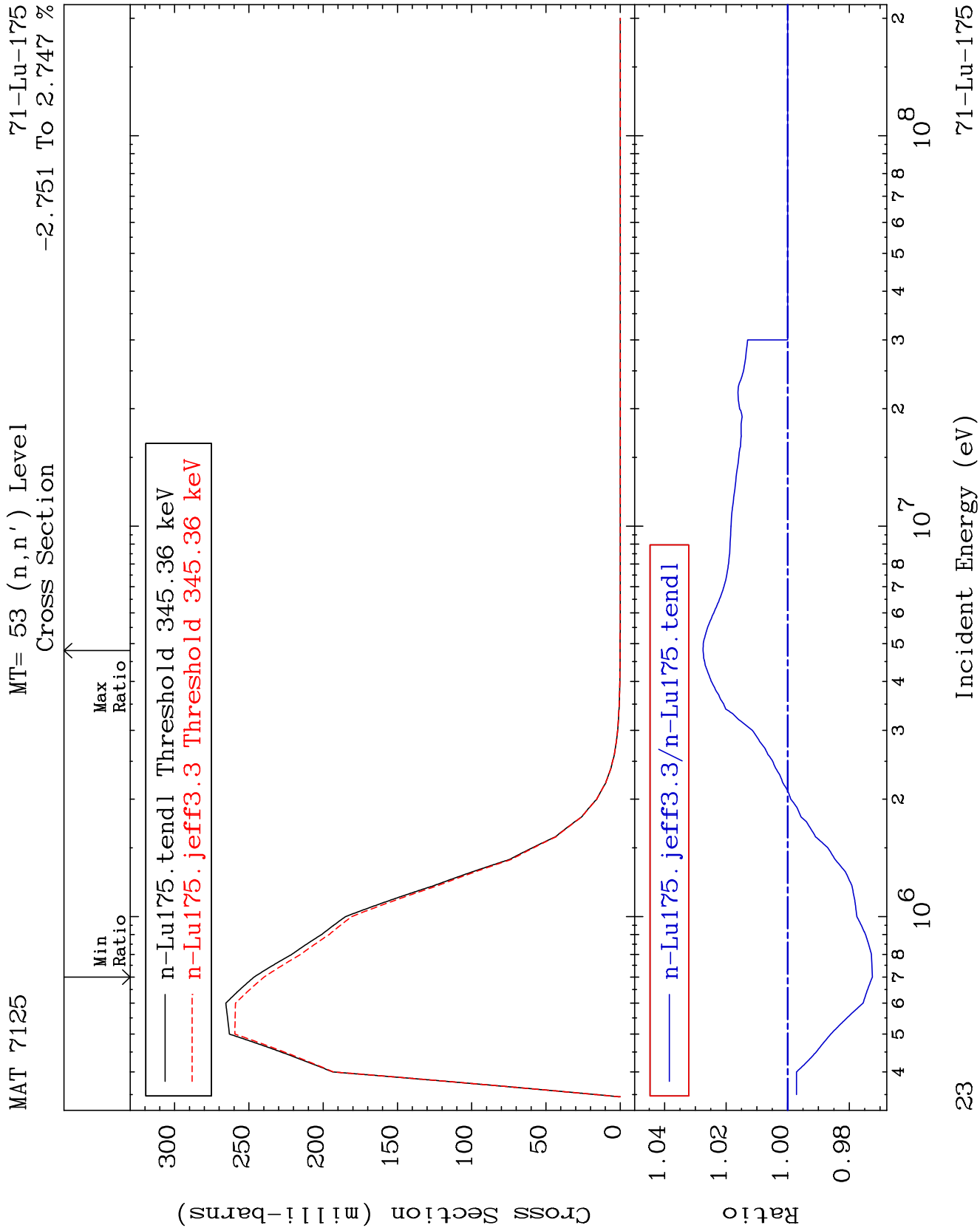
20

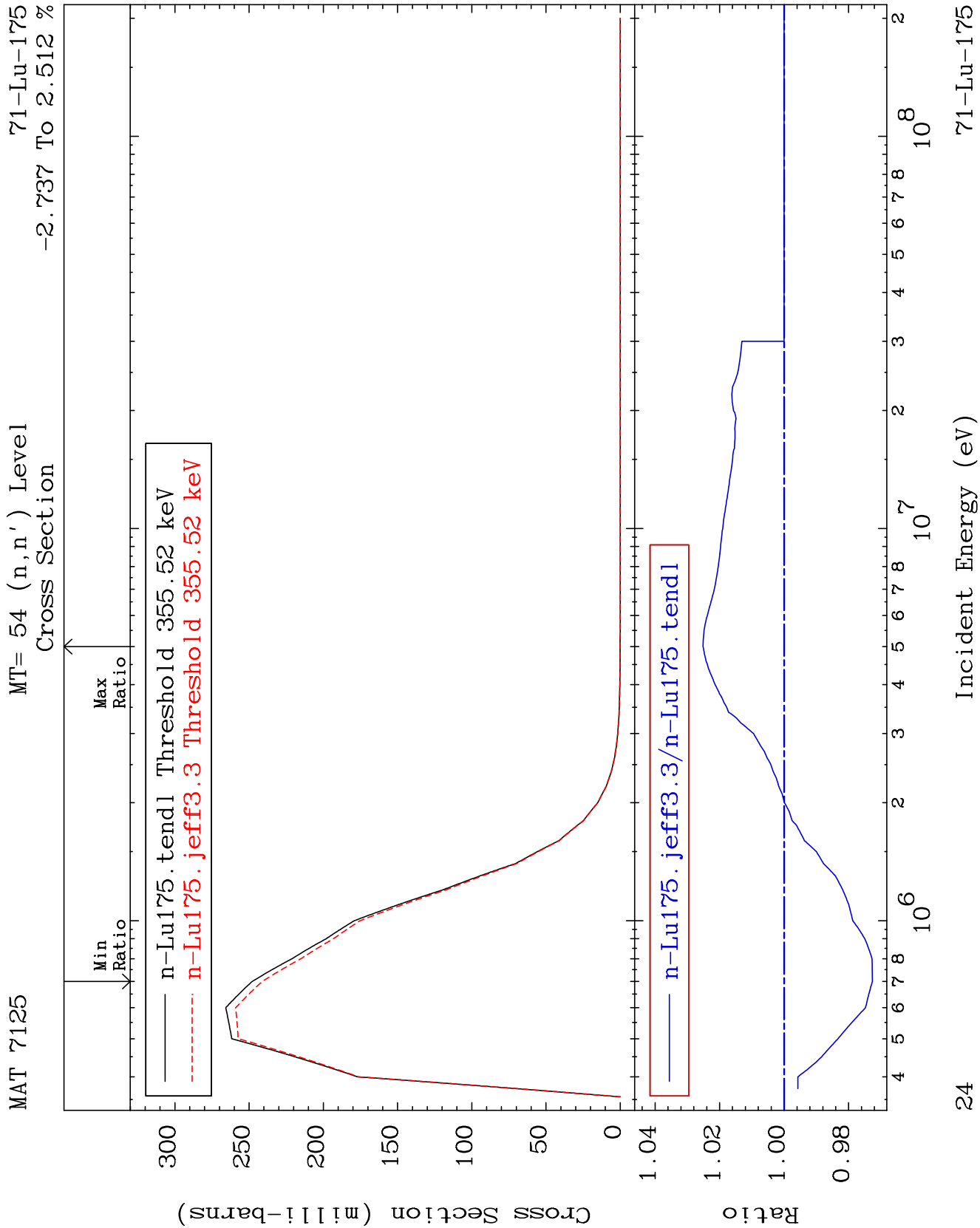
Incident Energy (eV)

⁷¹Lu-¹⁷⁵









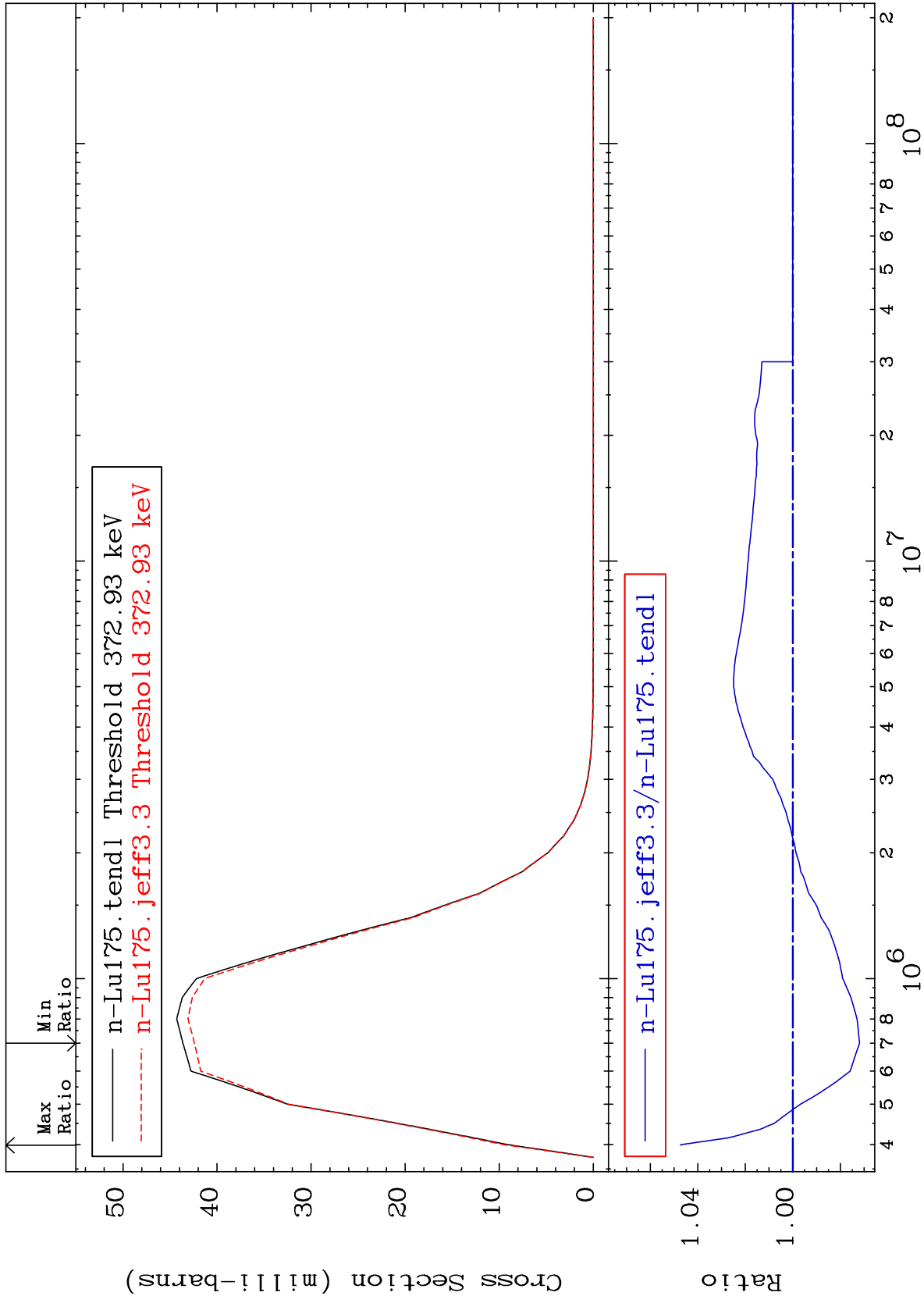
MAT 7125

MT= 55 (n,n') Level

⁷¹Lu-¹⁷⁵

Cross Section

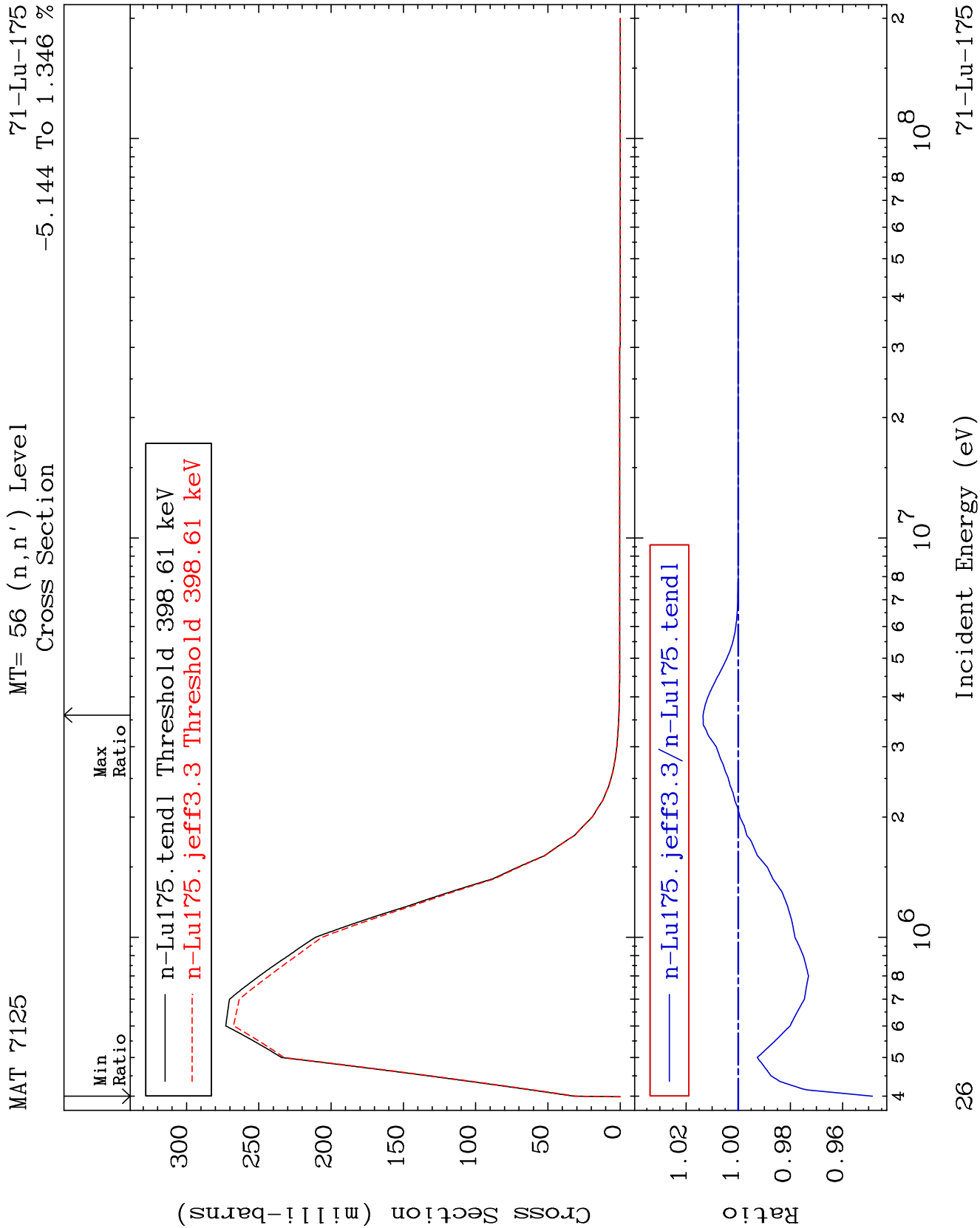
-2.810 To 4.719 %

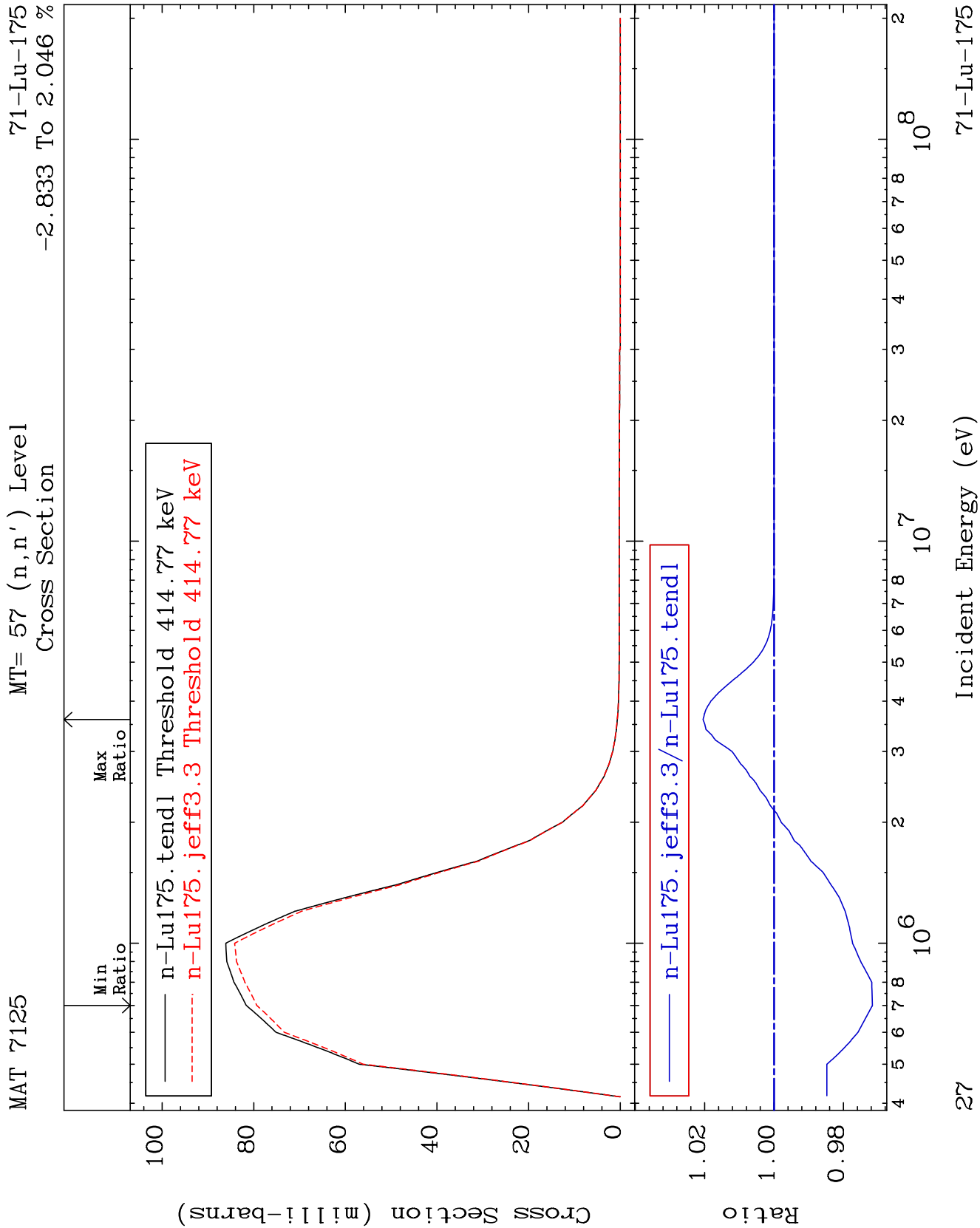


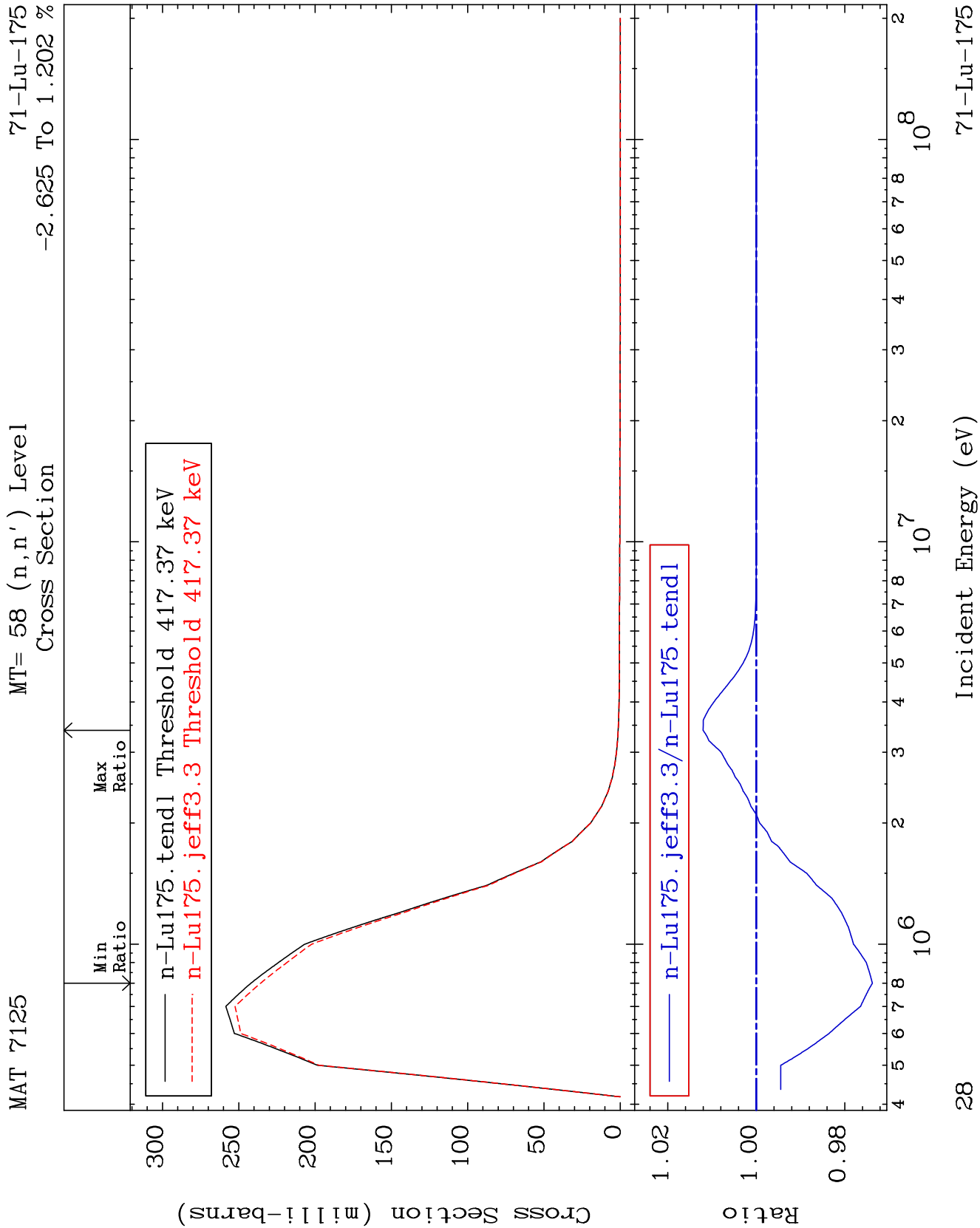
25

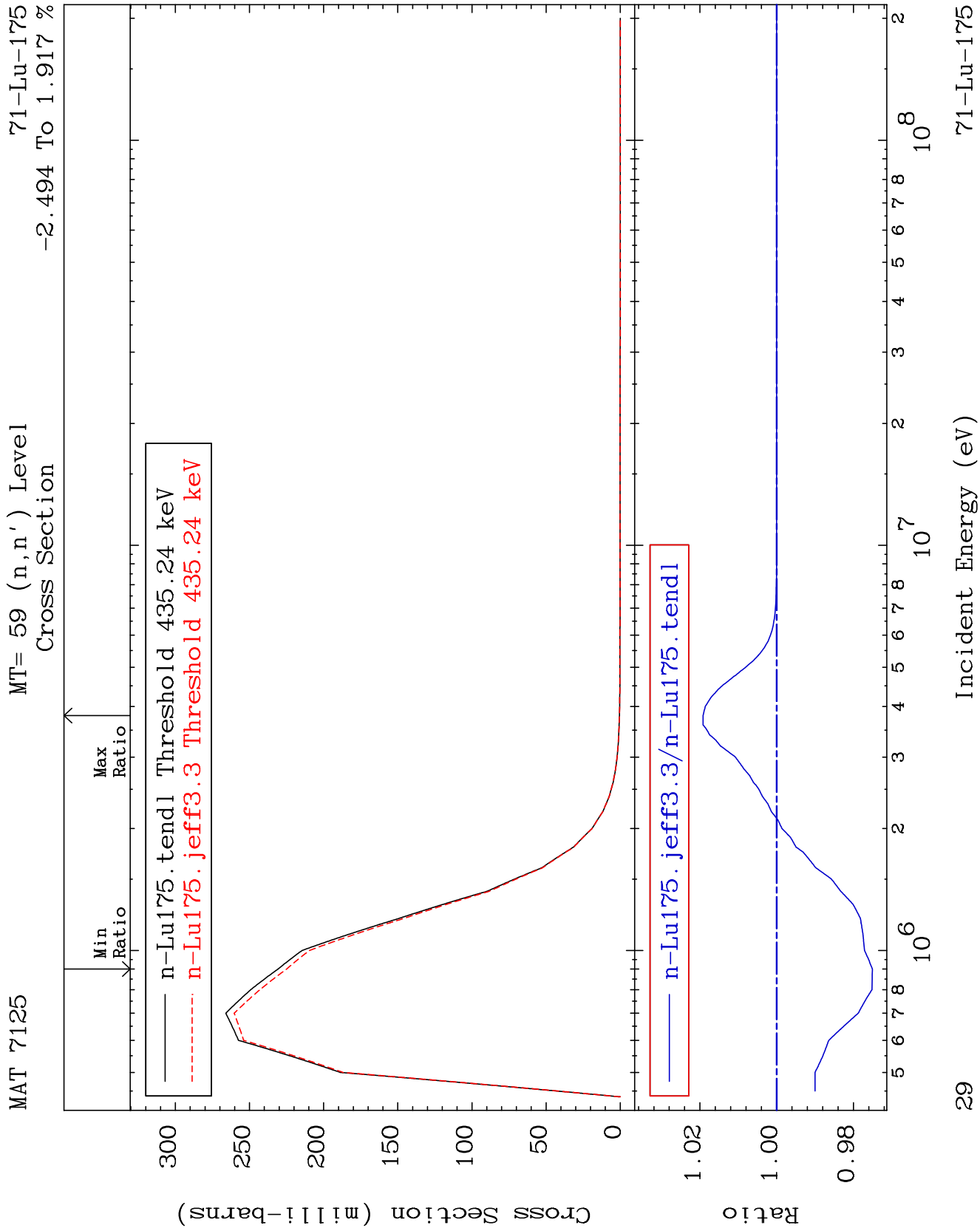
Incident Energy (eV)

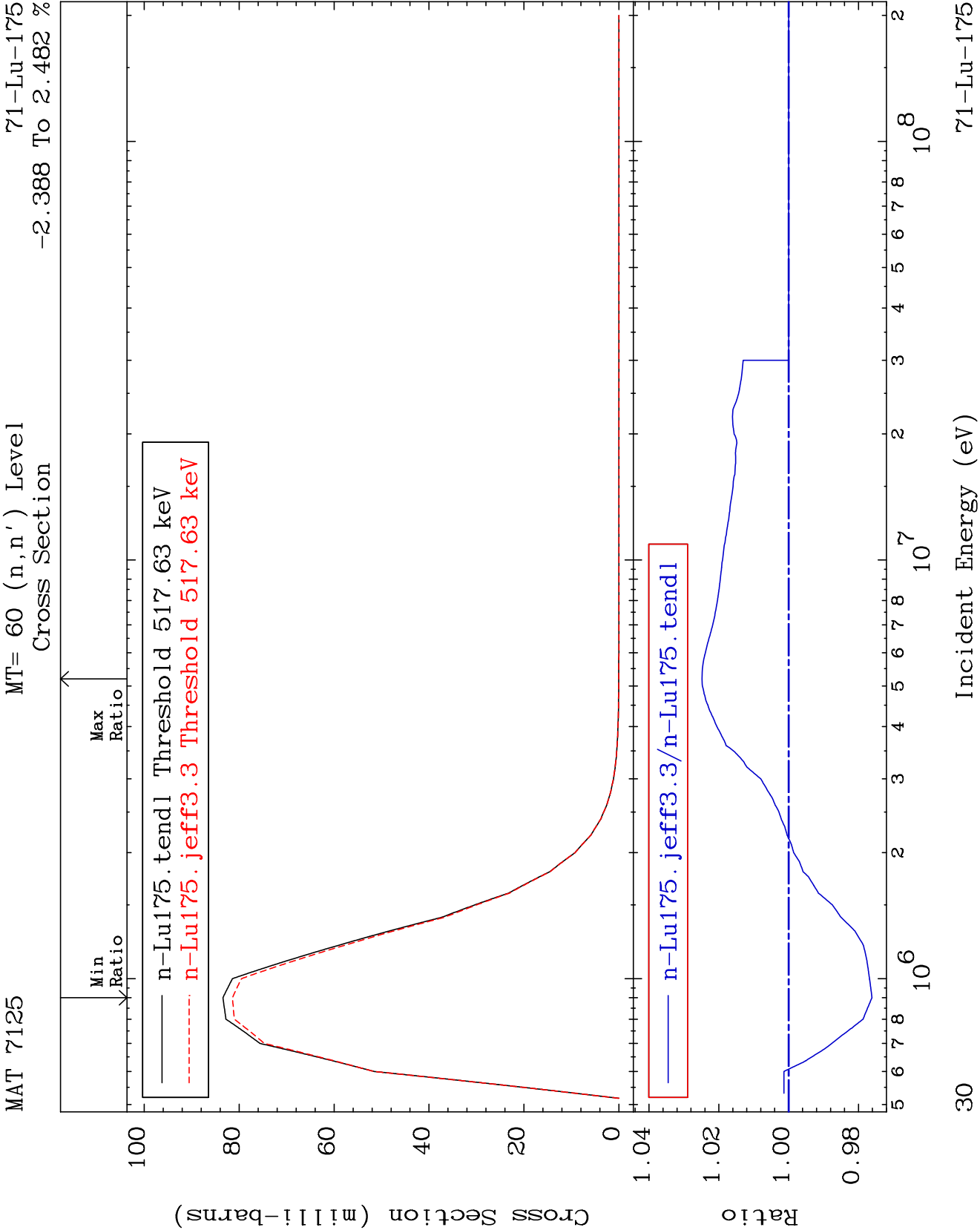
⁷¹Lu-¹⁷⁵

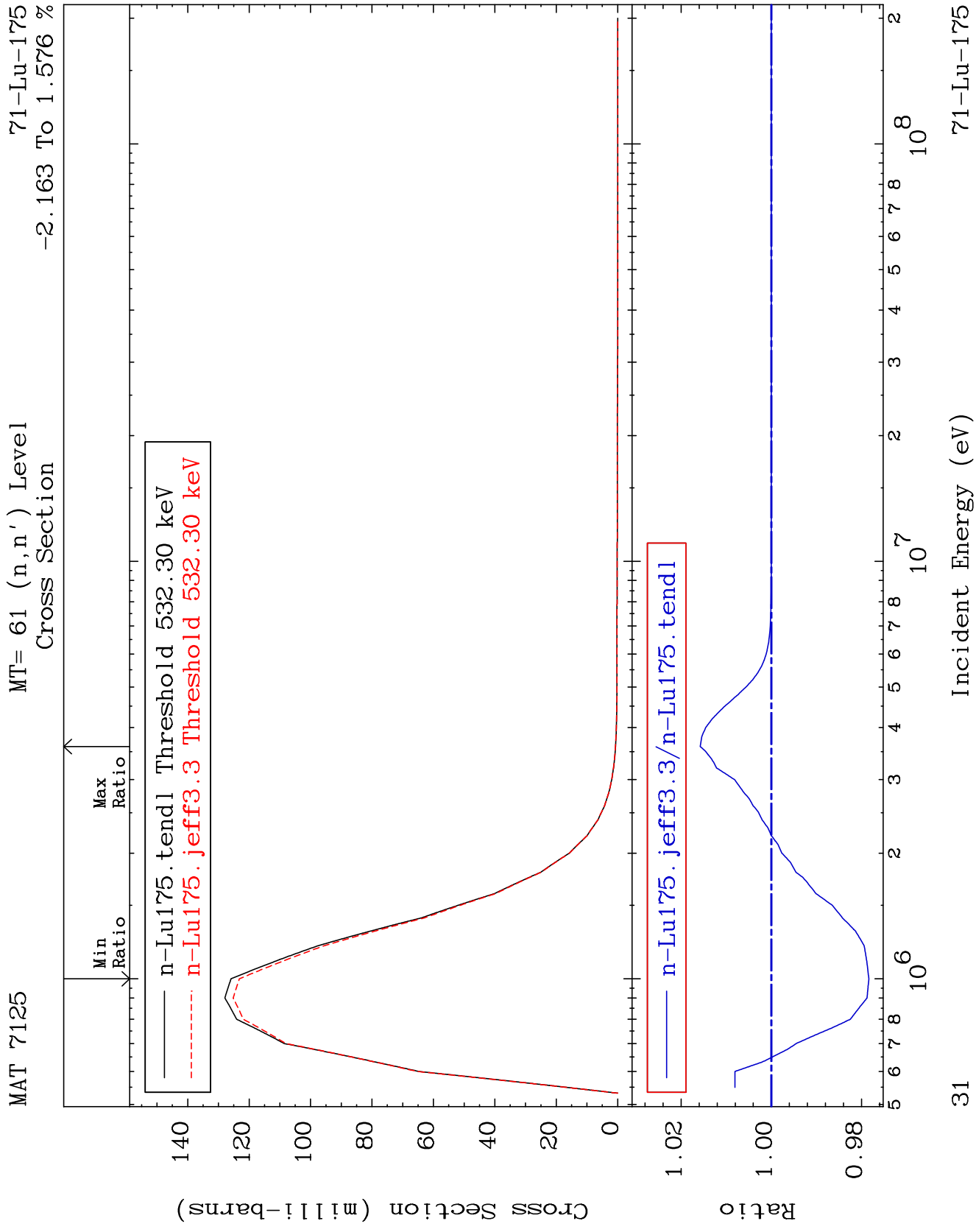


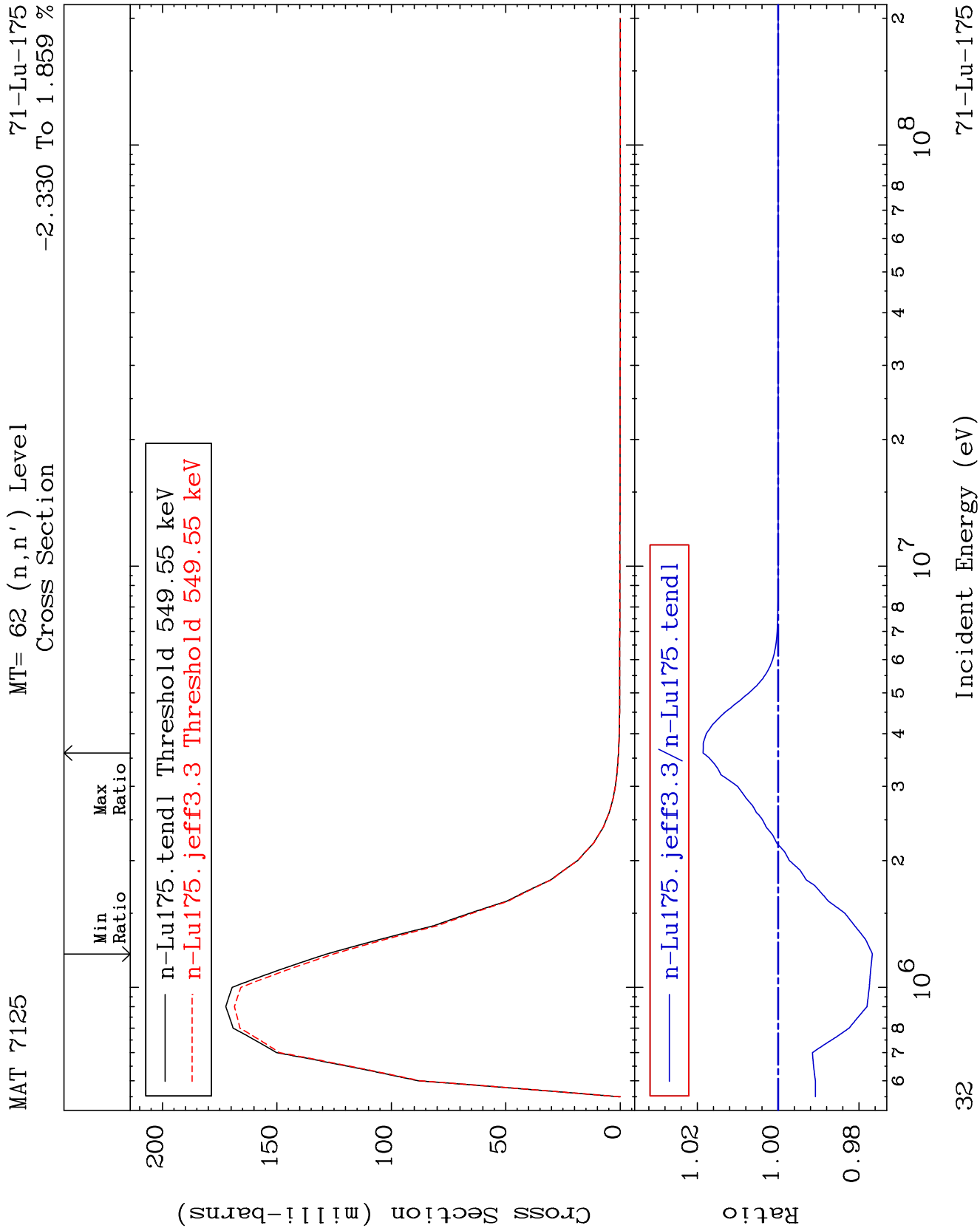


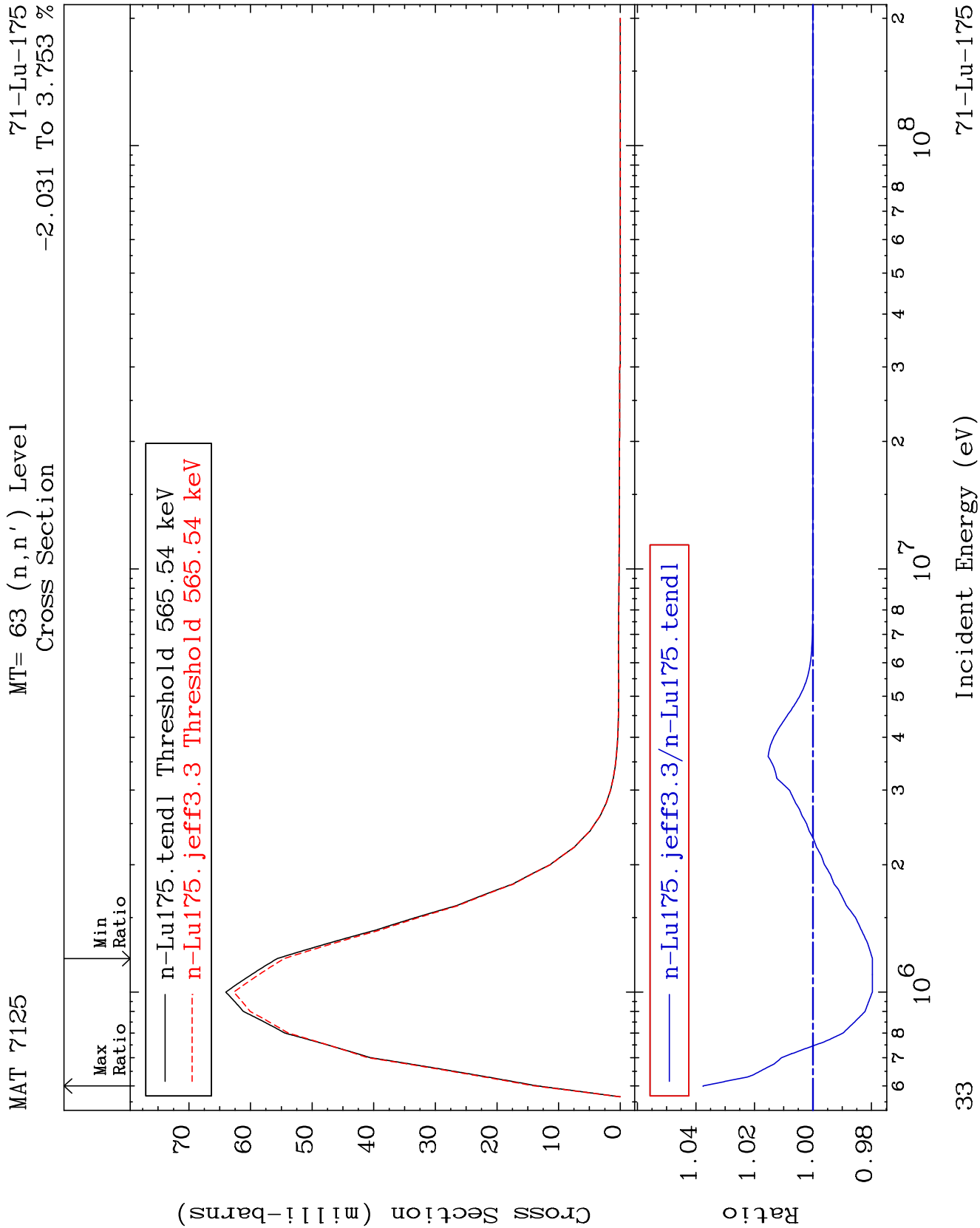


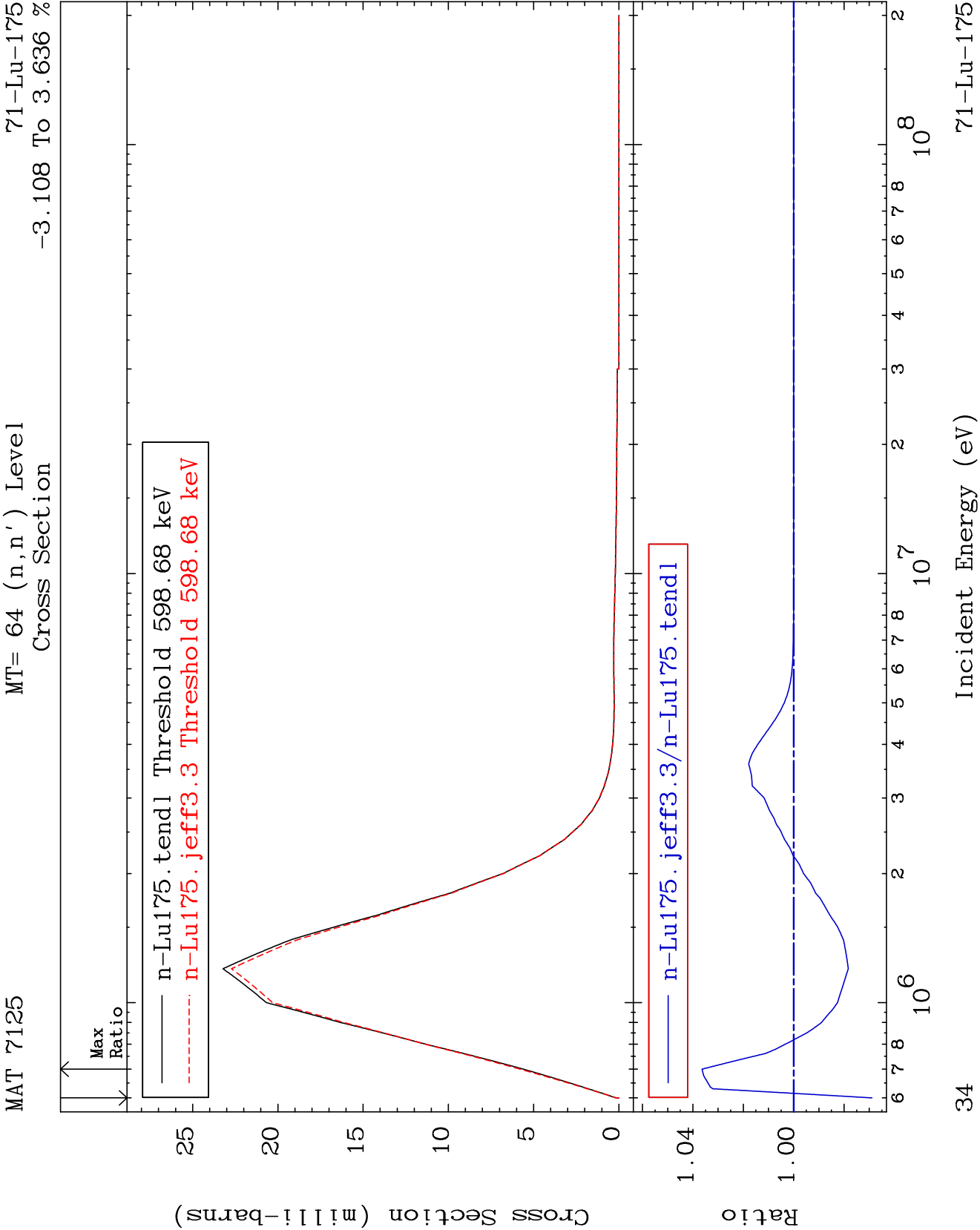


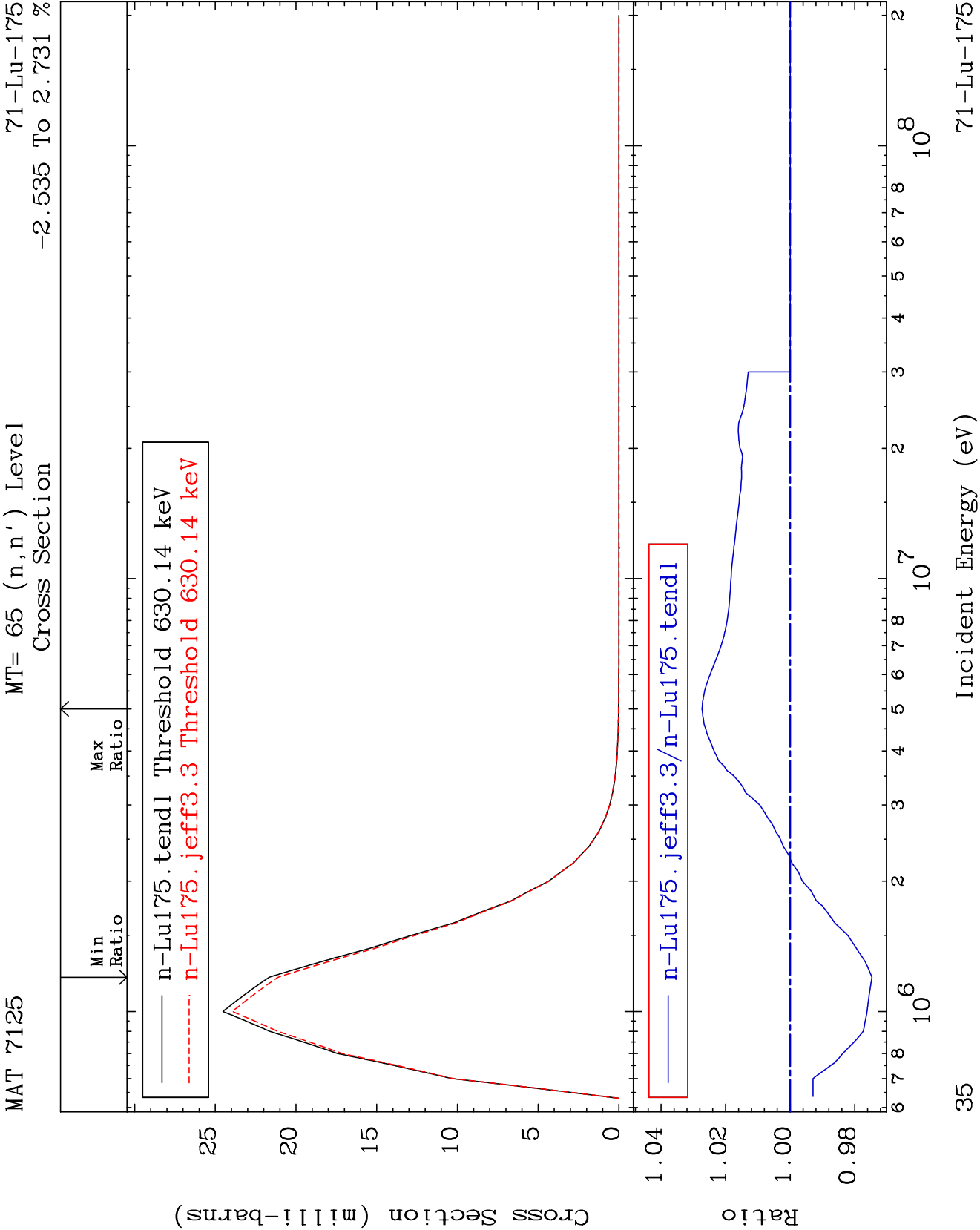


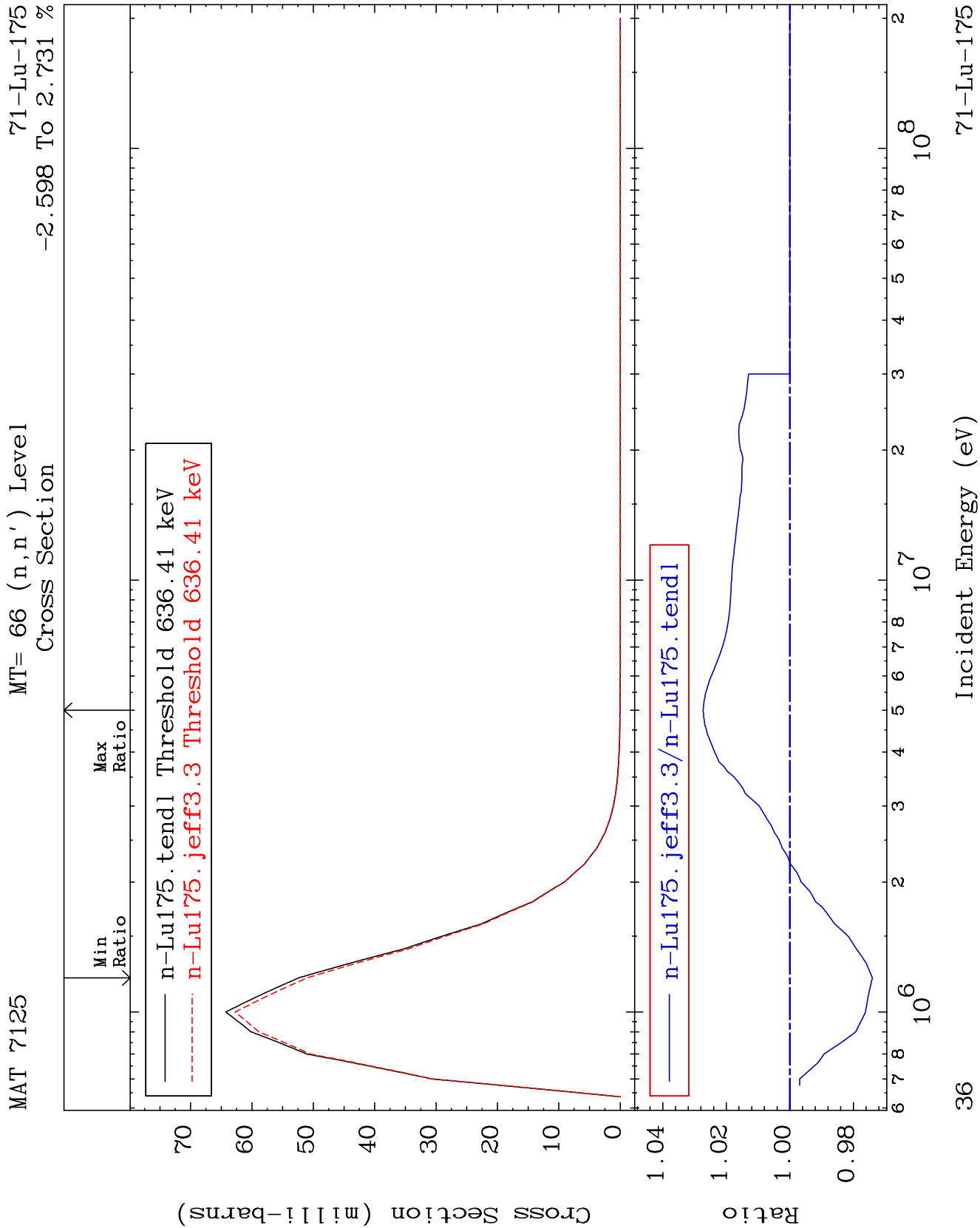


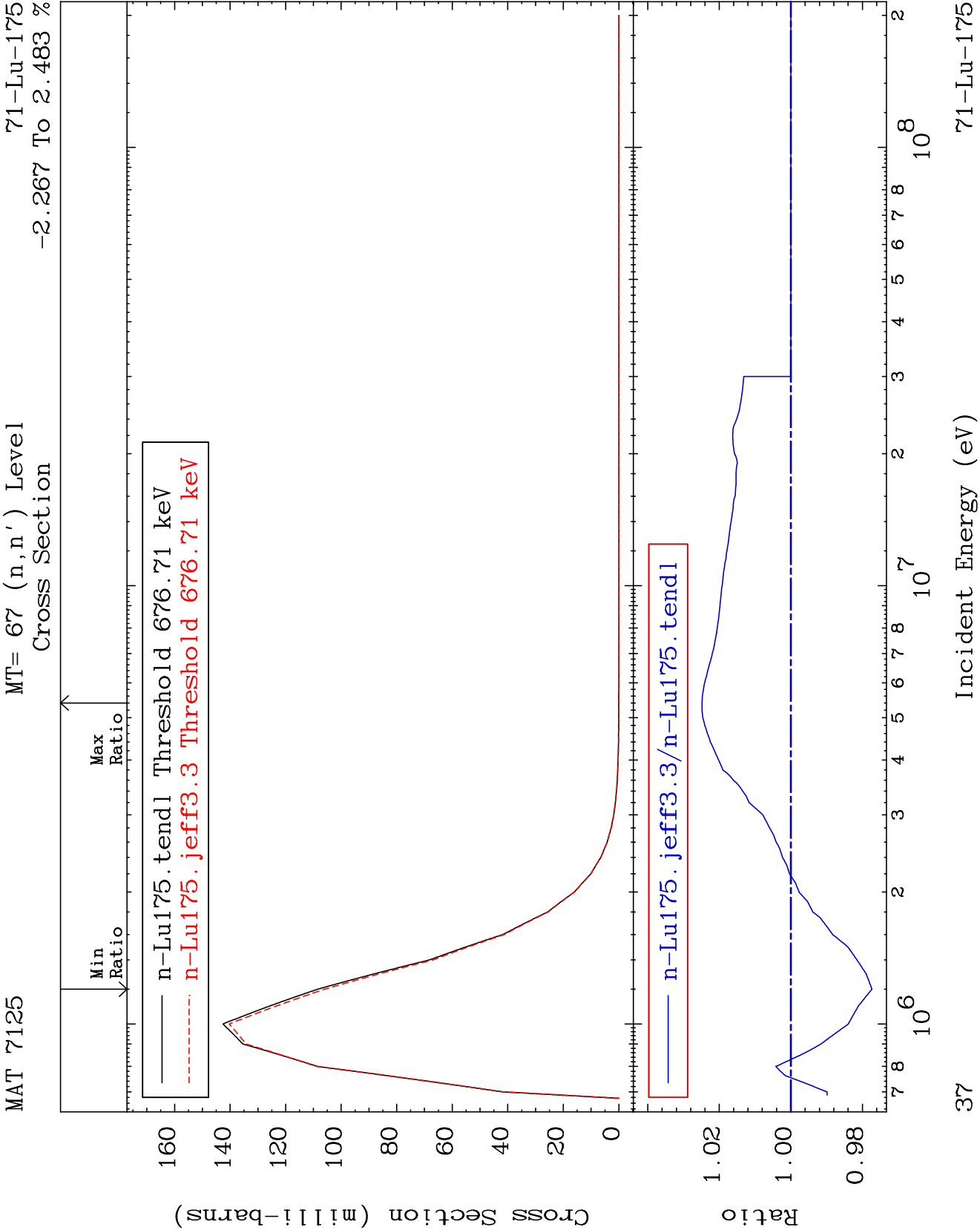


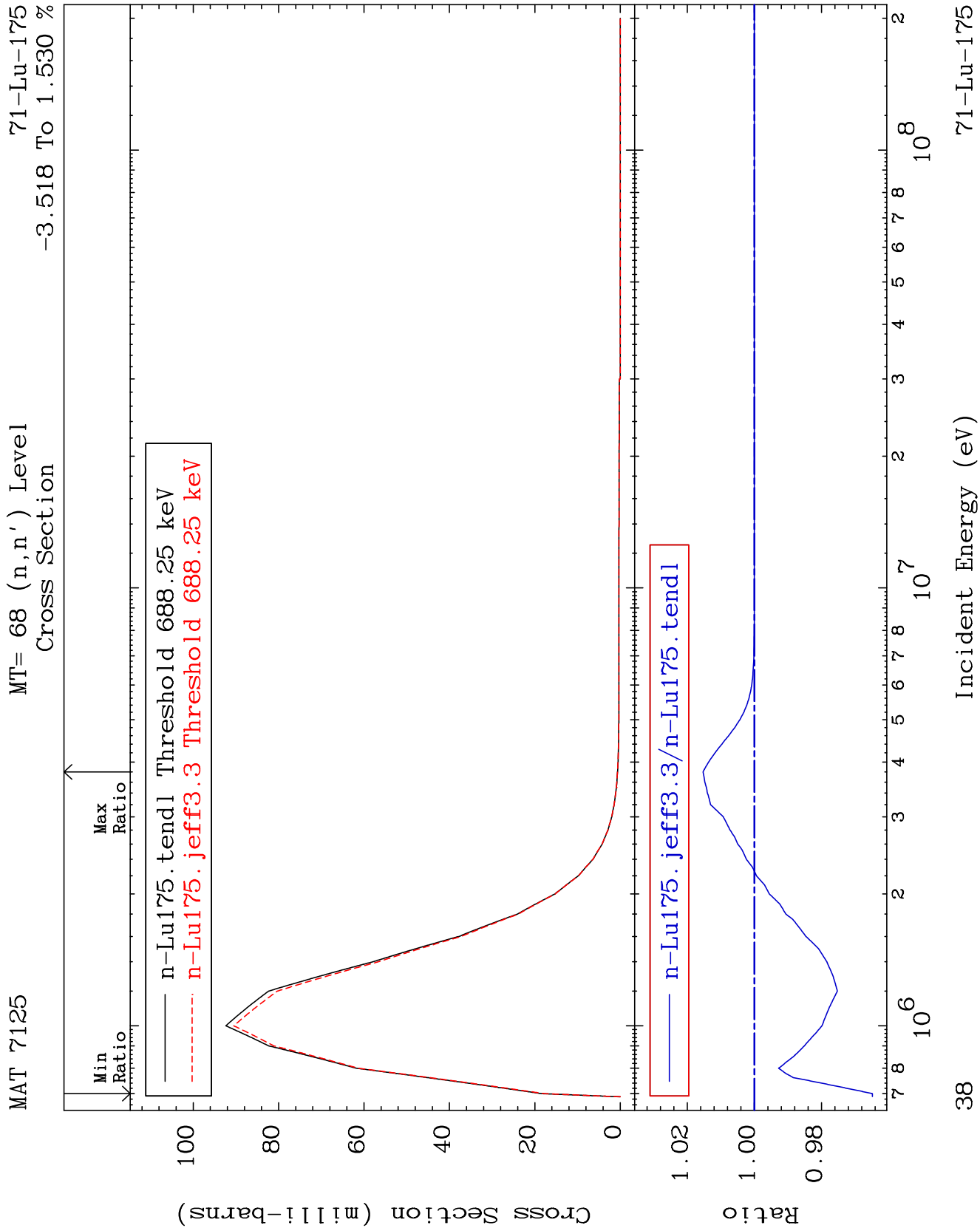


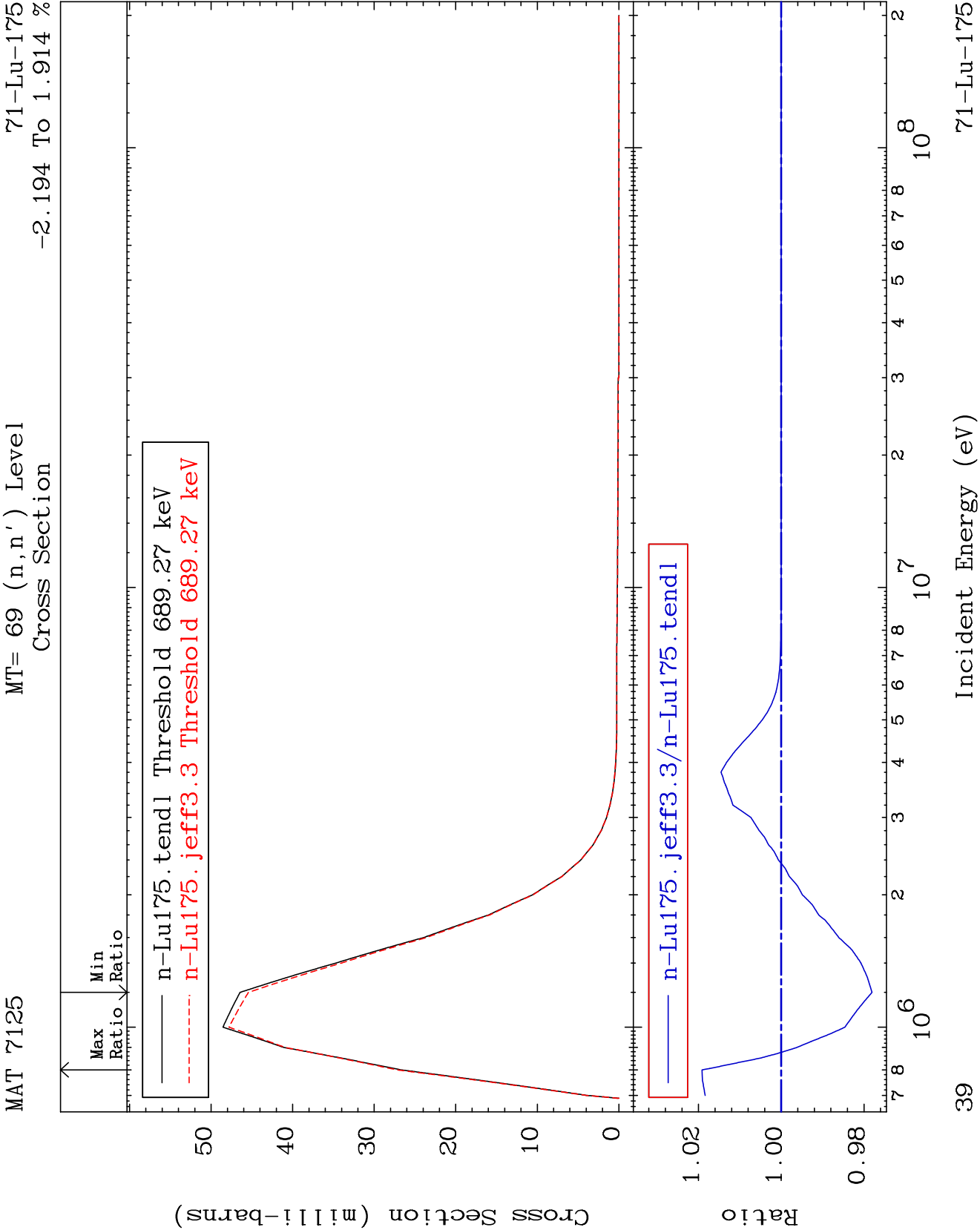


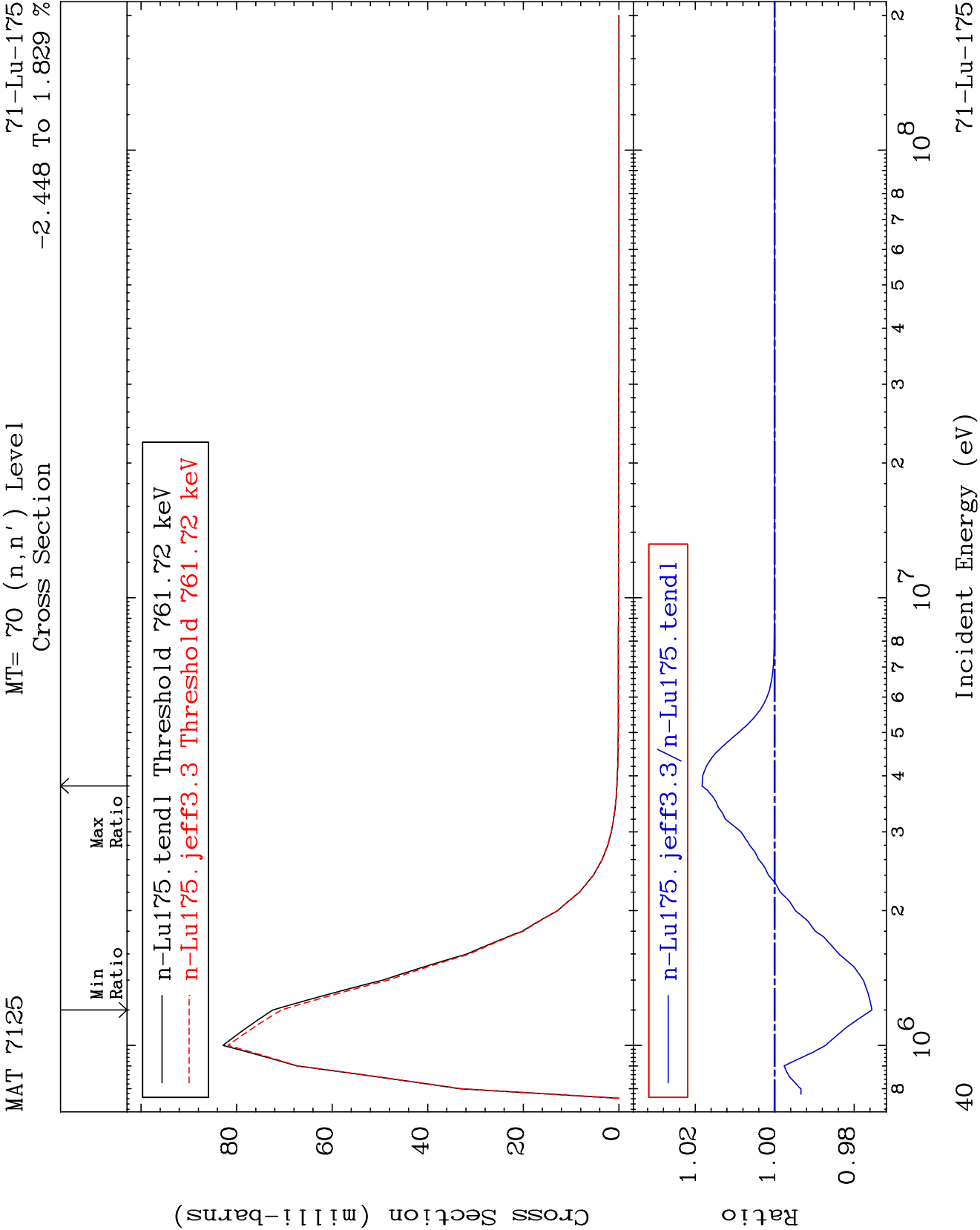








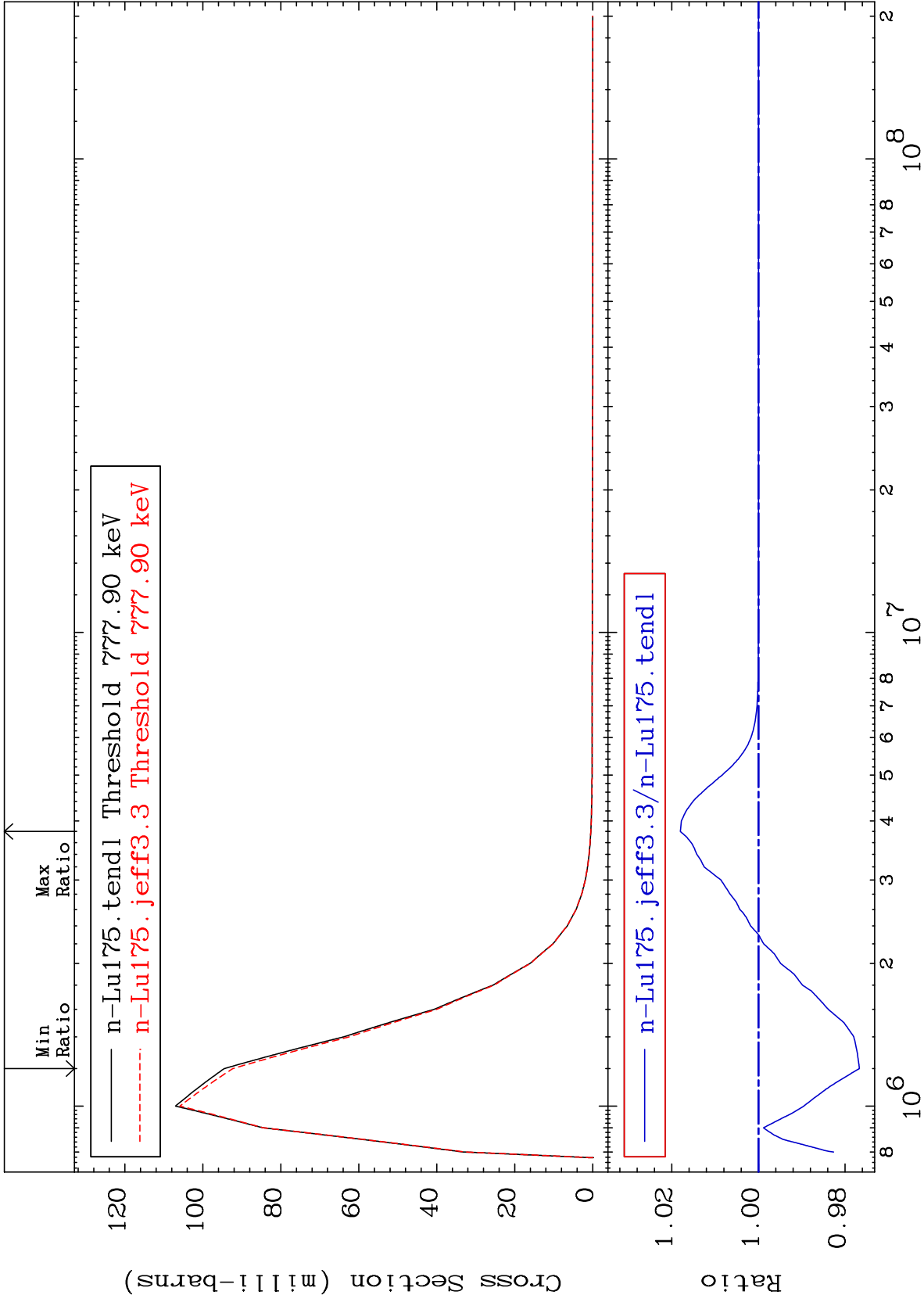




MAT 7125

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

⁷¹Lu-¹⁷⁵
-2.332 To 1.803 %



41

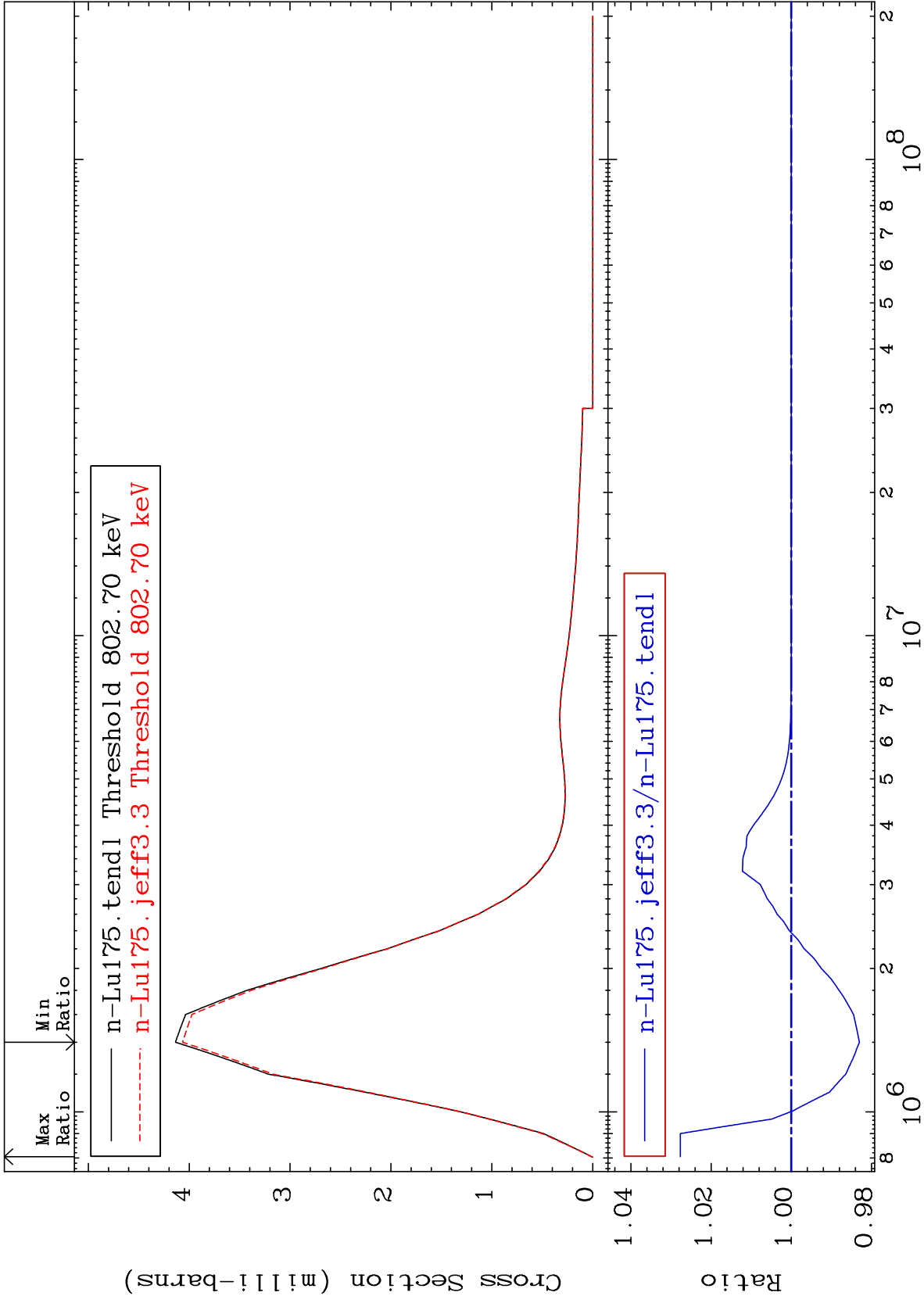
Incident Energy (eV)

⁷¹Lu-¹⁷⁵

MAT 7125

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

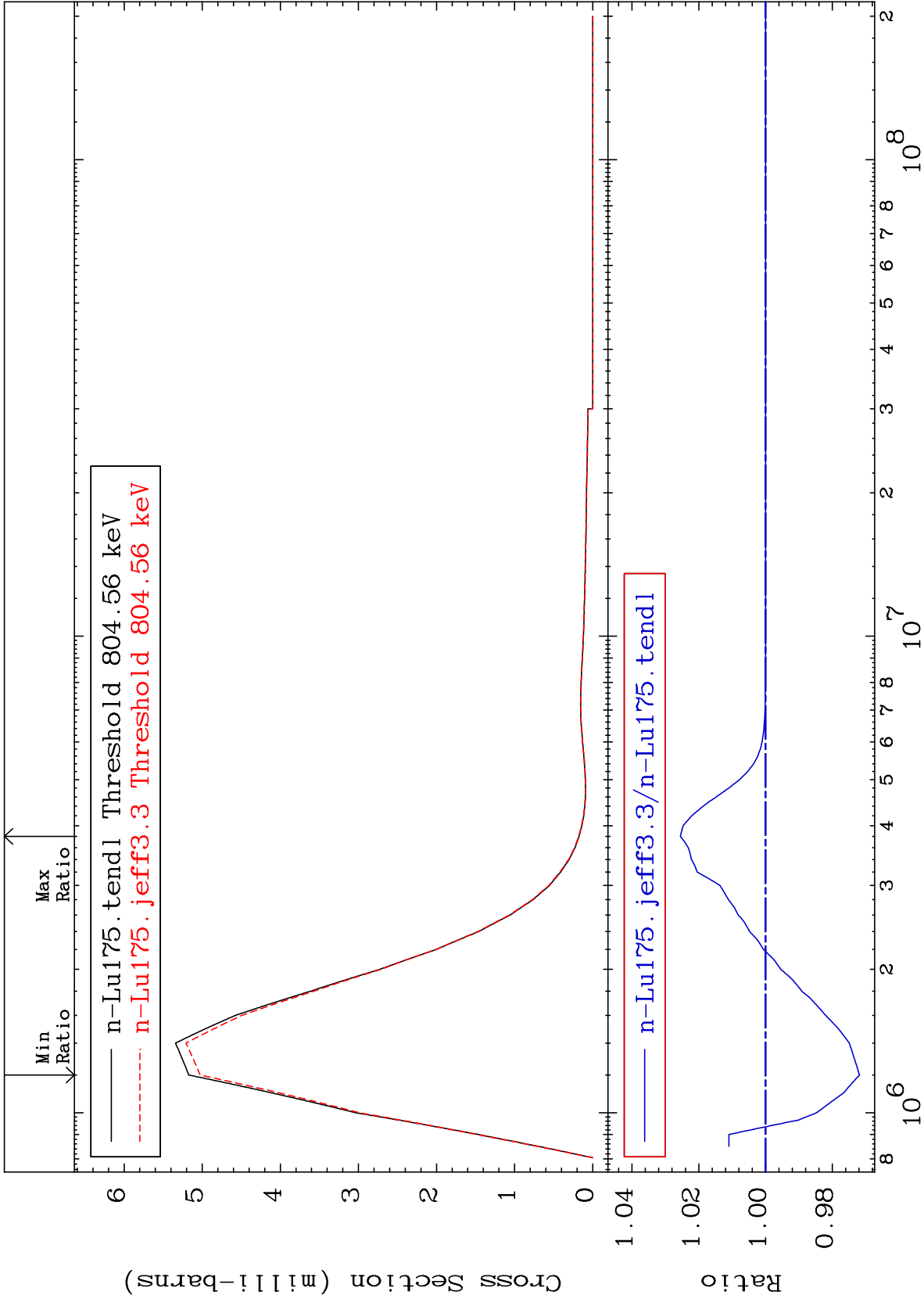
⁷¹Lu-¹⁷⁵
-1.701 To 2.766 %



MAT 7125

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

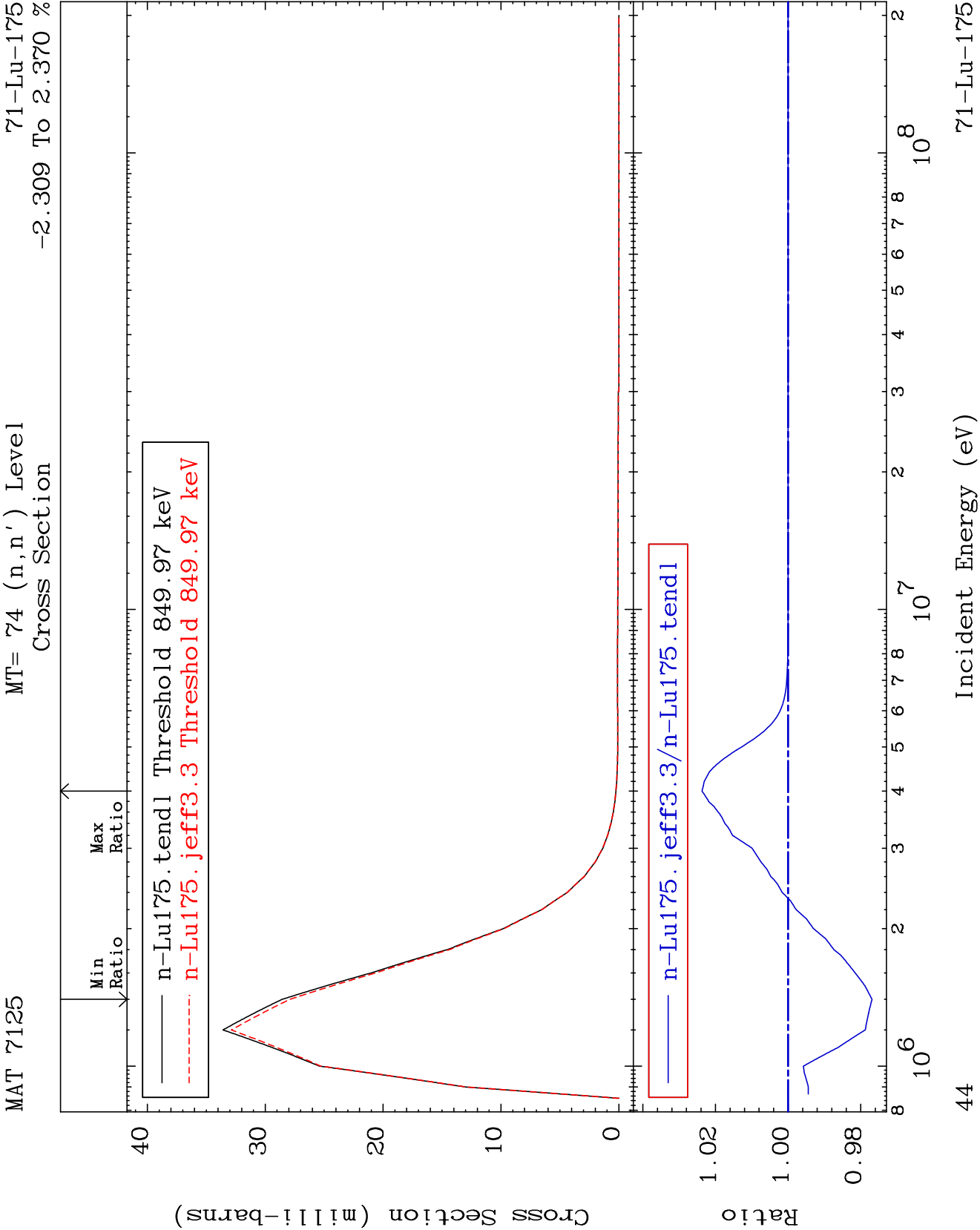
⁷¹Lu-¹⁷⁵
-2.812 To 2.552 %

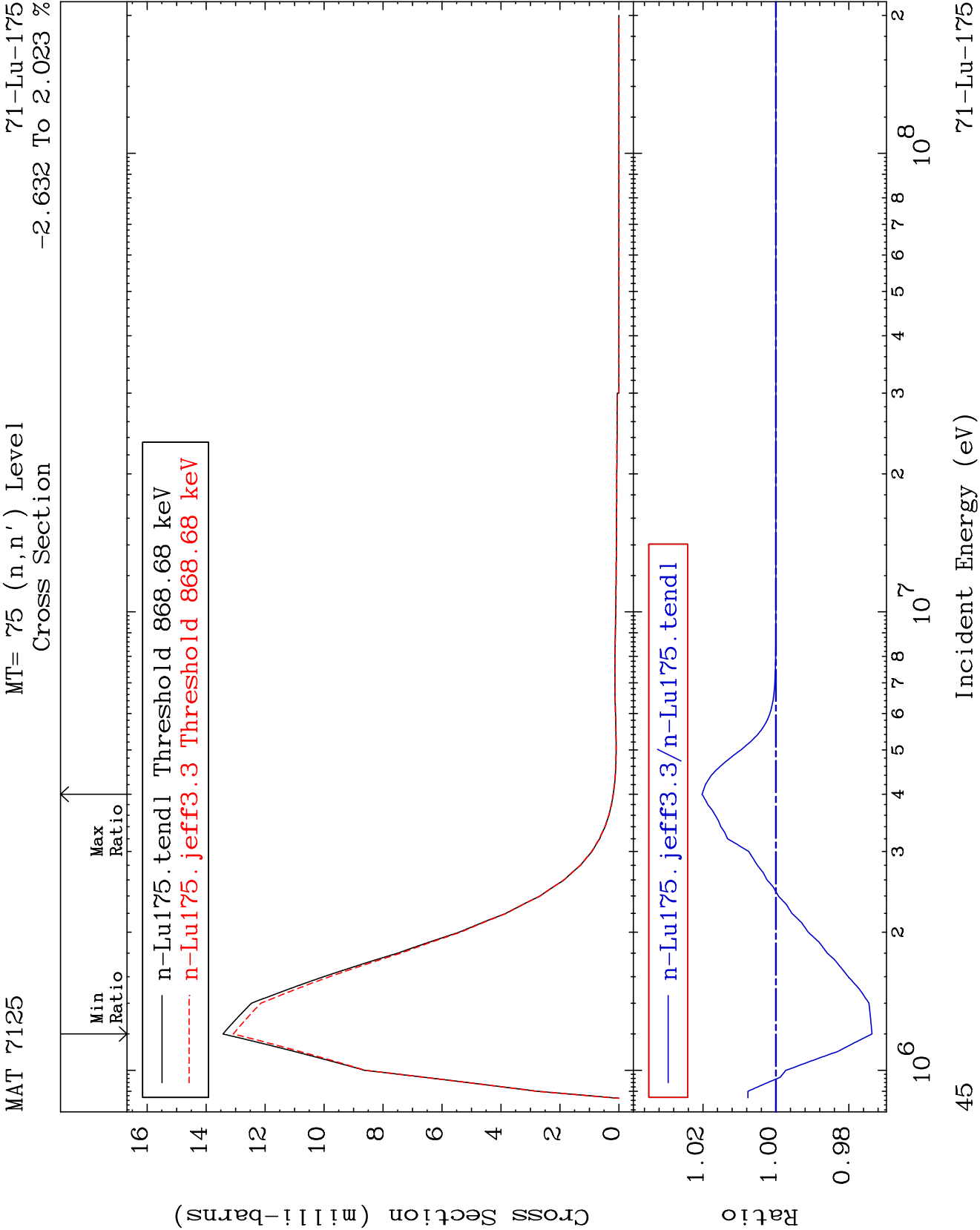


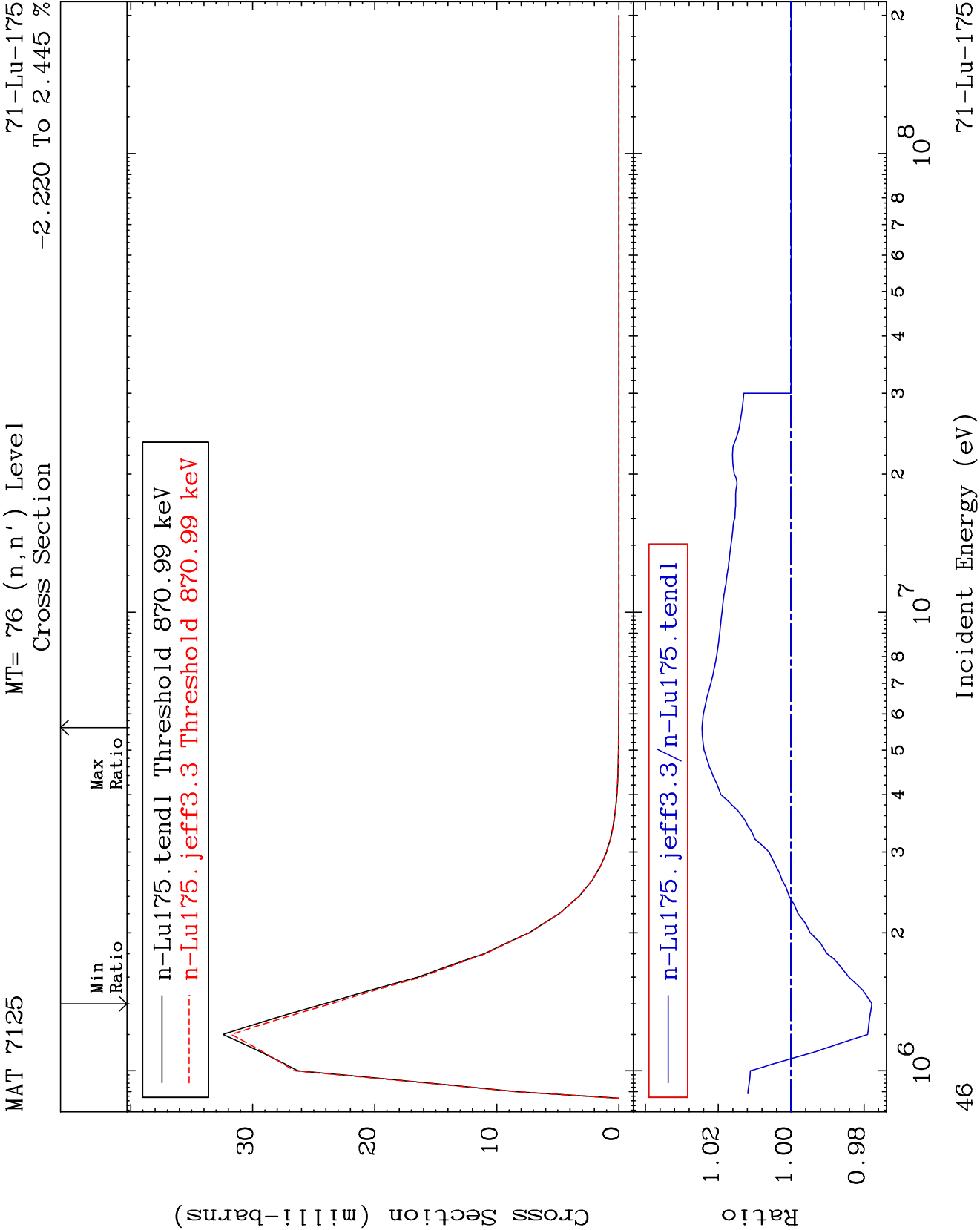
43

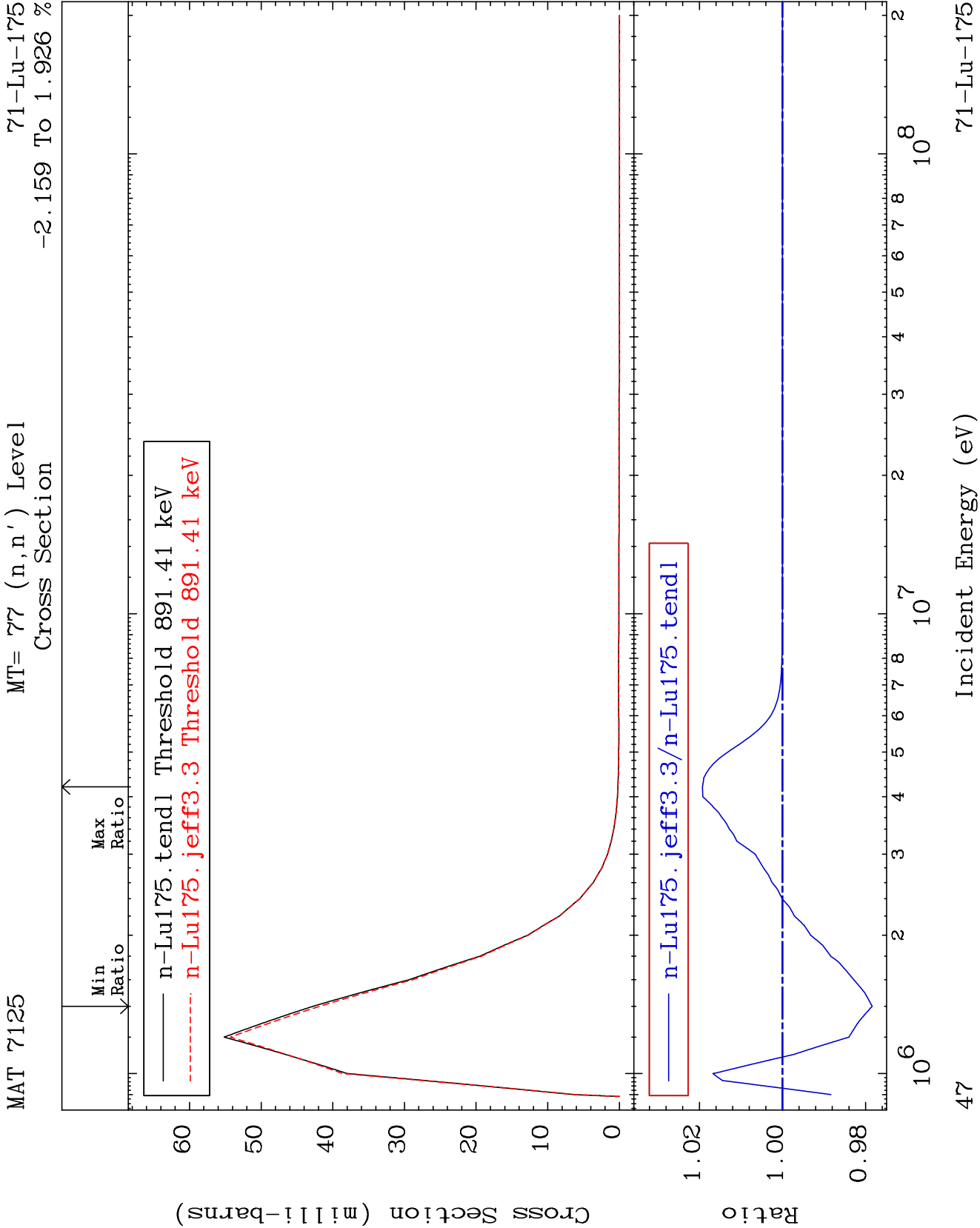
Incident Energy (eV)

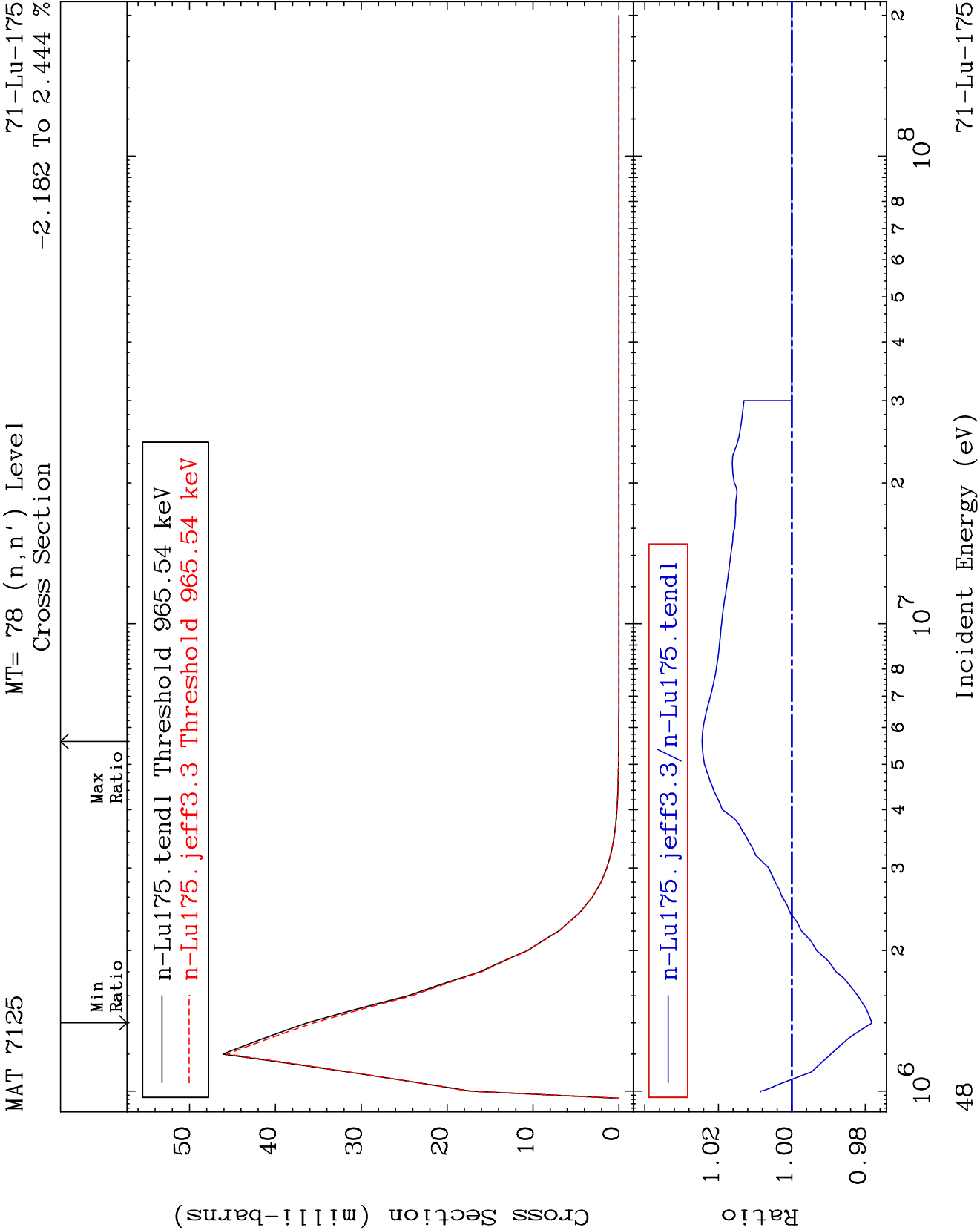
⁷¹Lu-¹⁷⁵







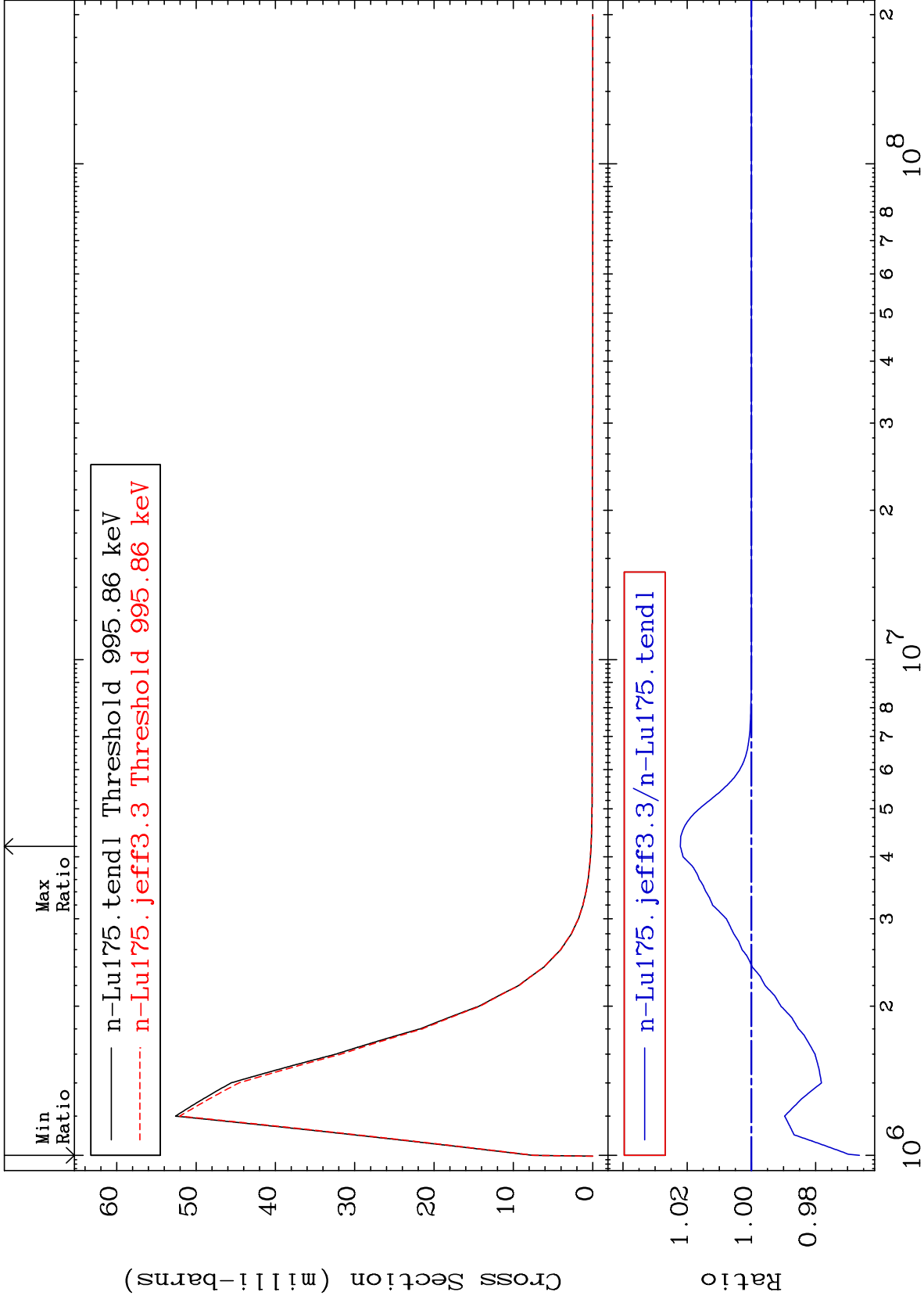




MAT 7125

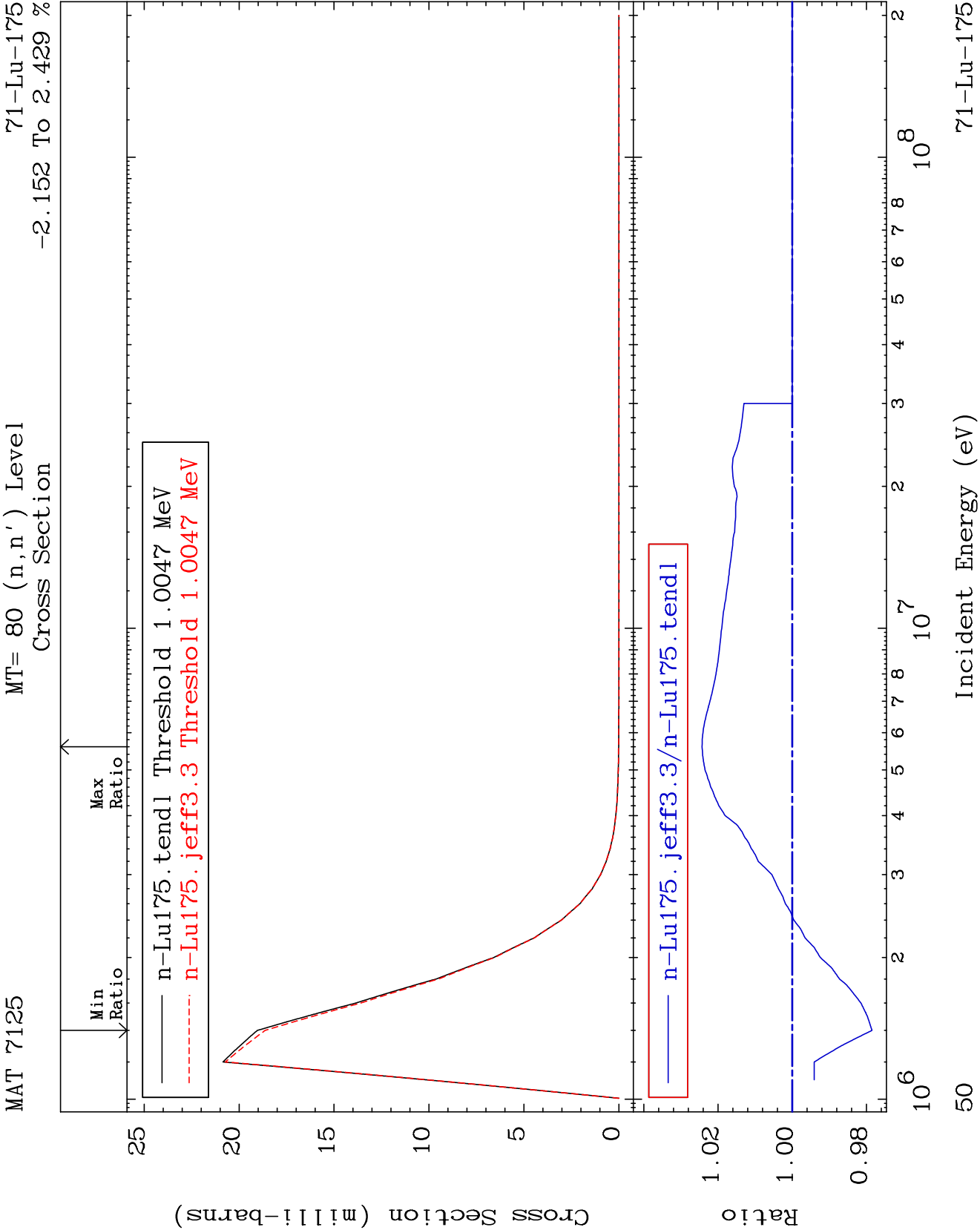
MT= 79 (n,n') Level
Cross Section

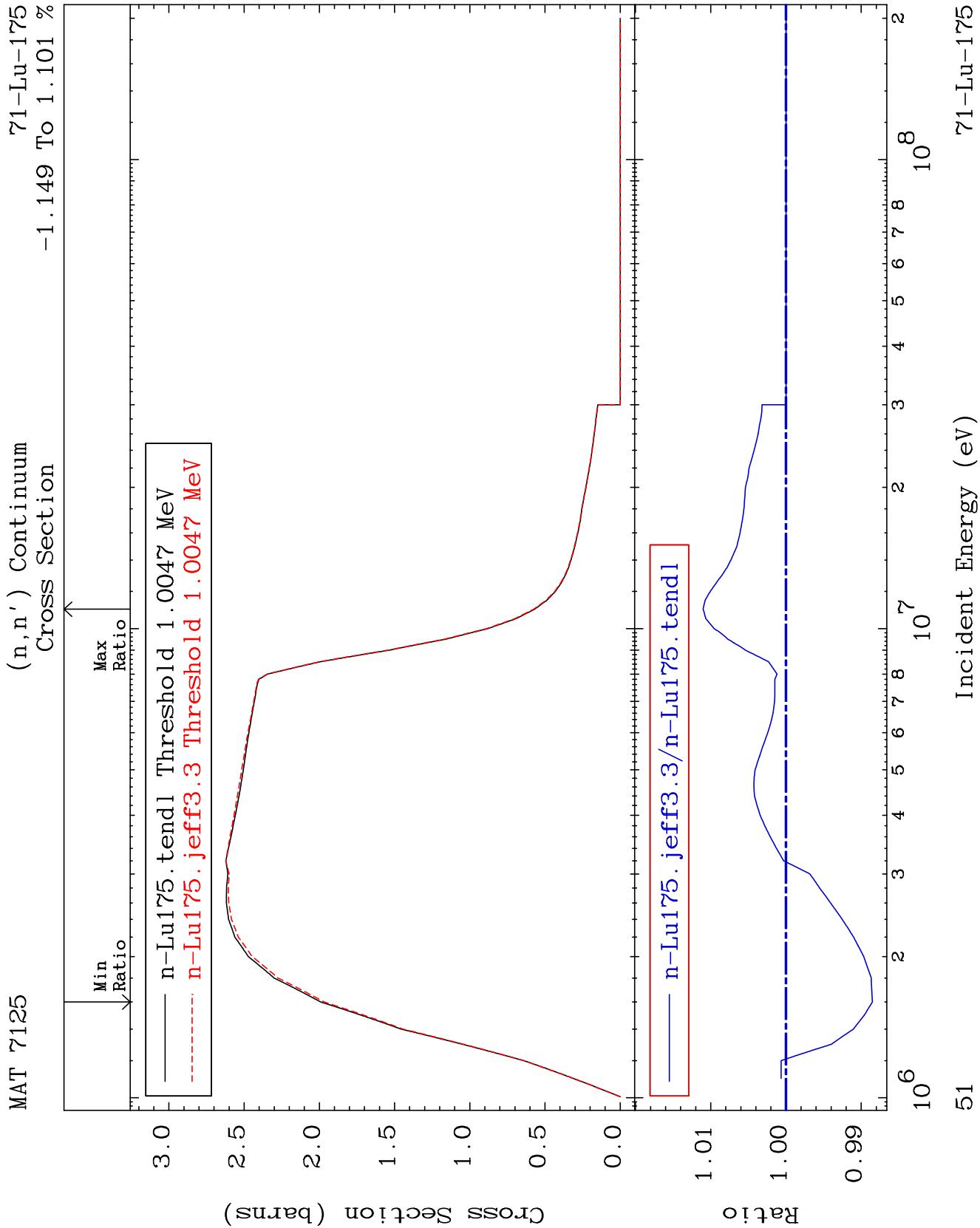
⁷¹Lu-¹⁷⁵
-3.367 To 2.213 %

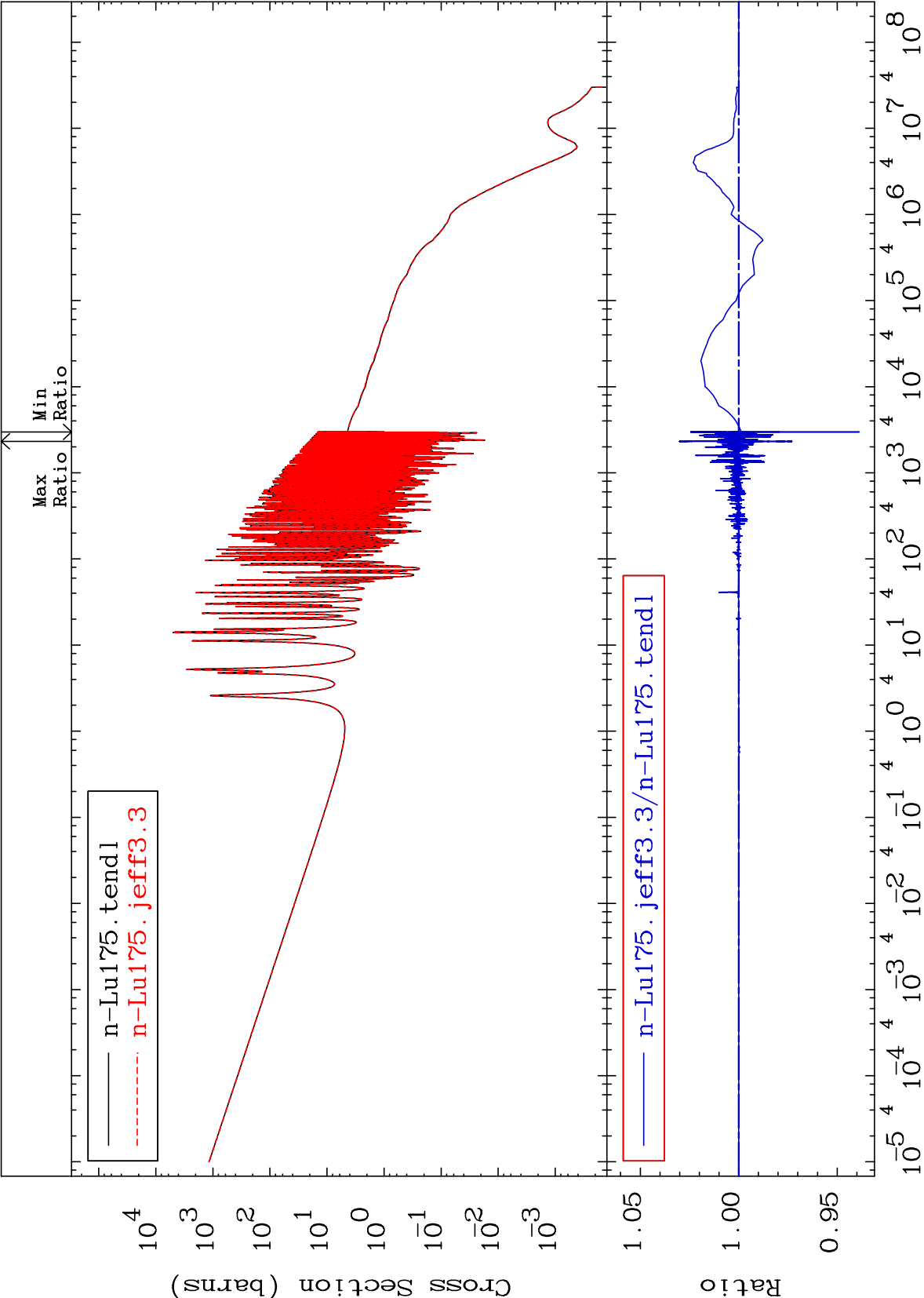


Incident Energy (eV)

⁷¹Lu-¹⁷⁵

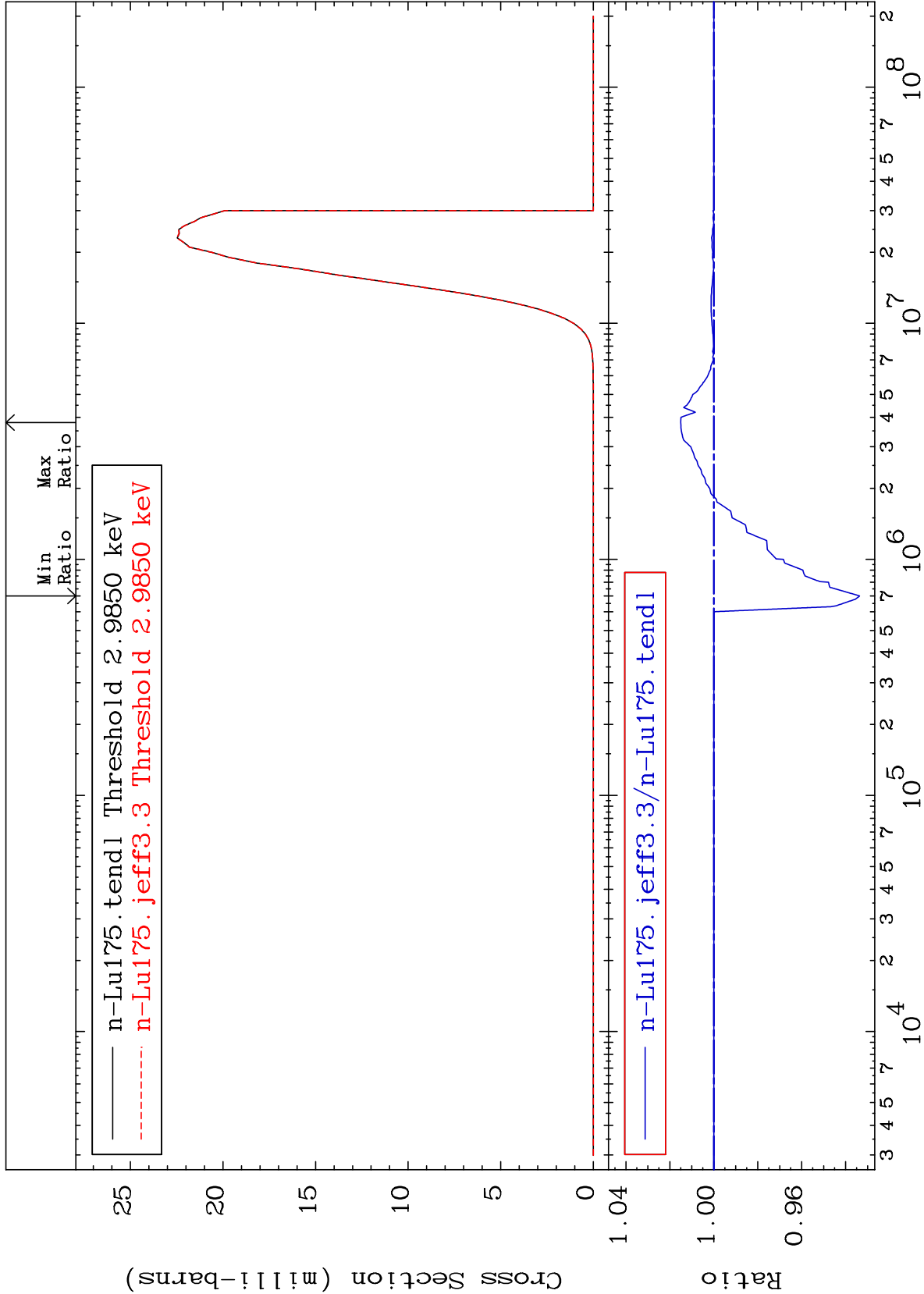


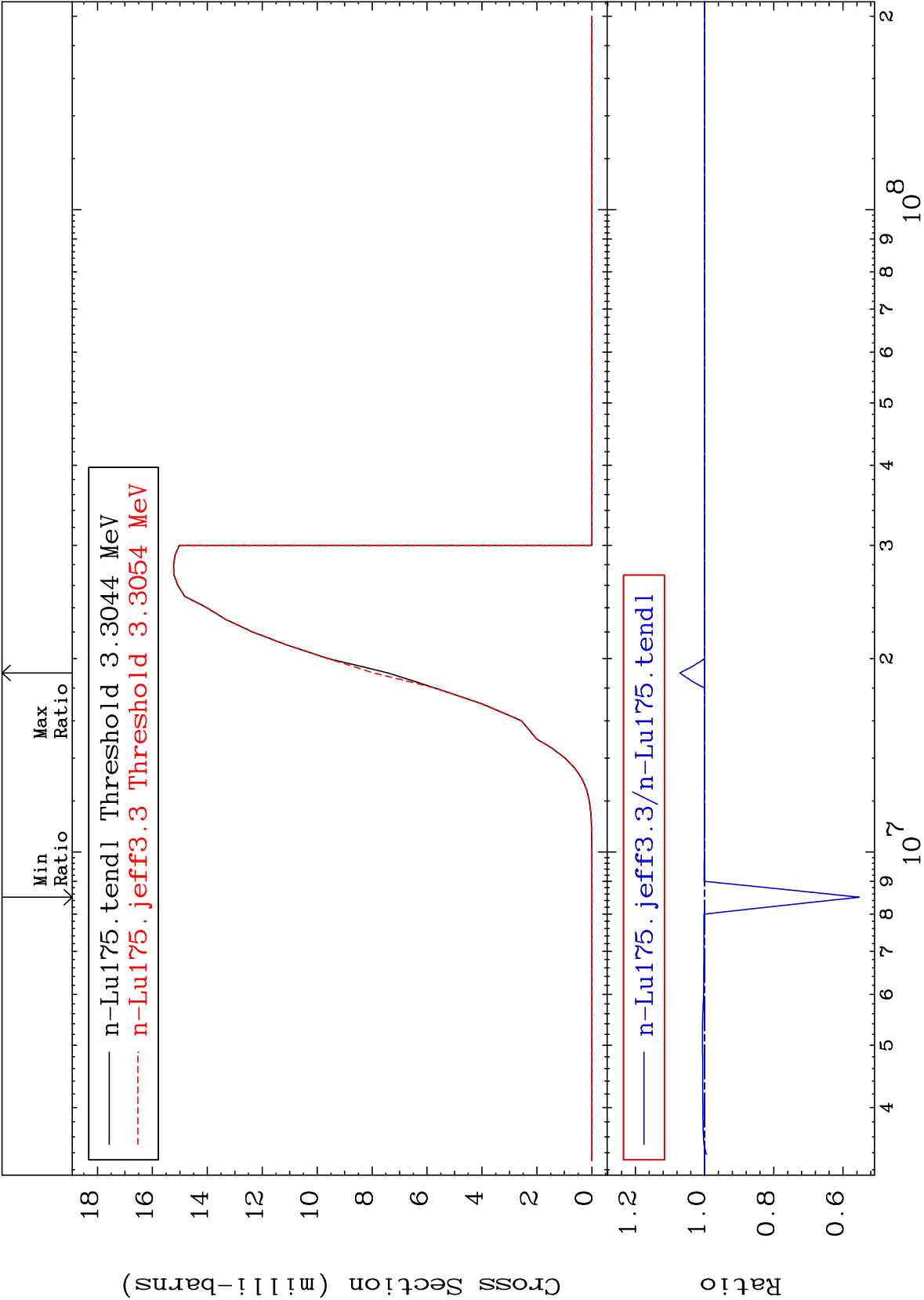


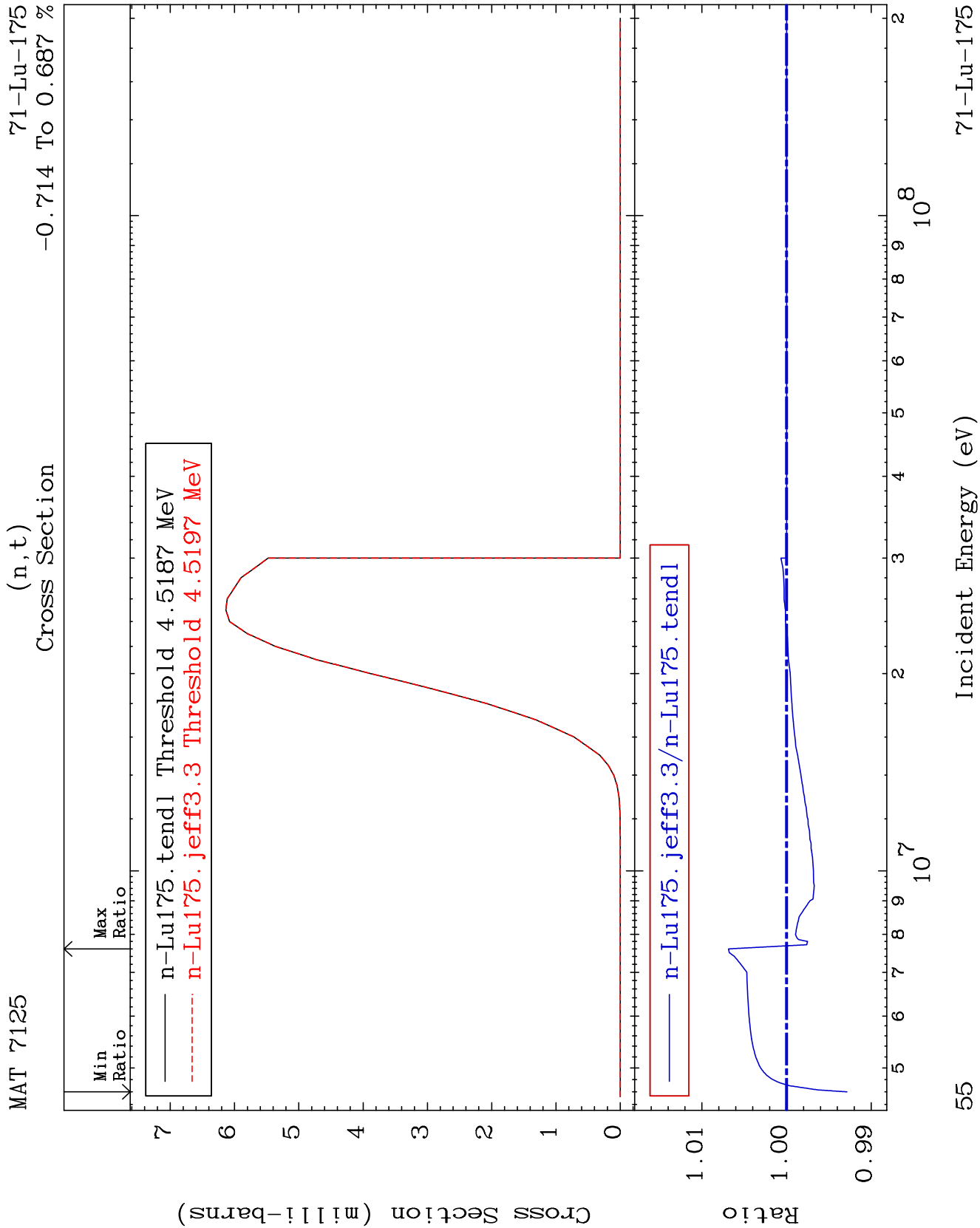


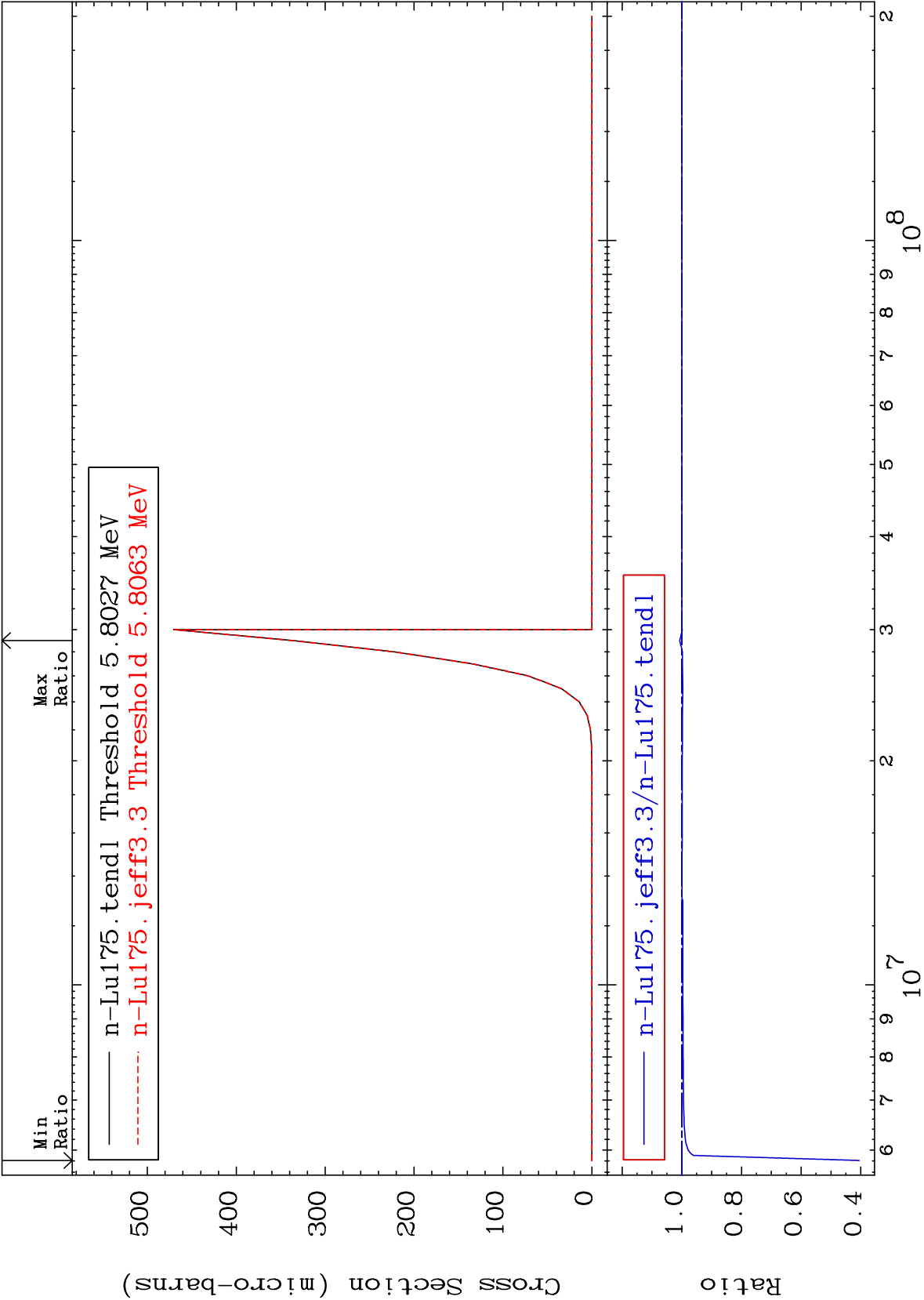
(n,p)
Cross Section

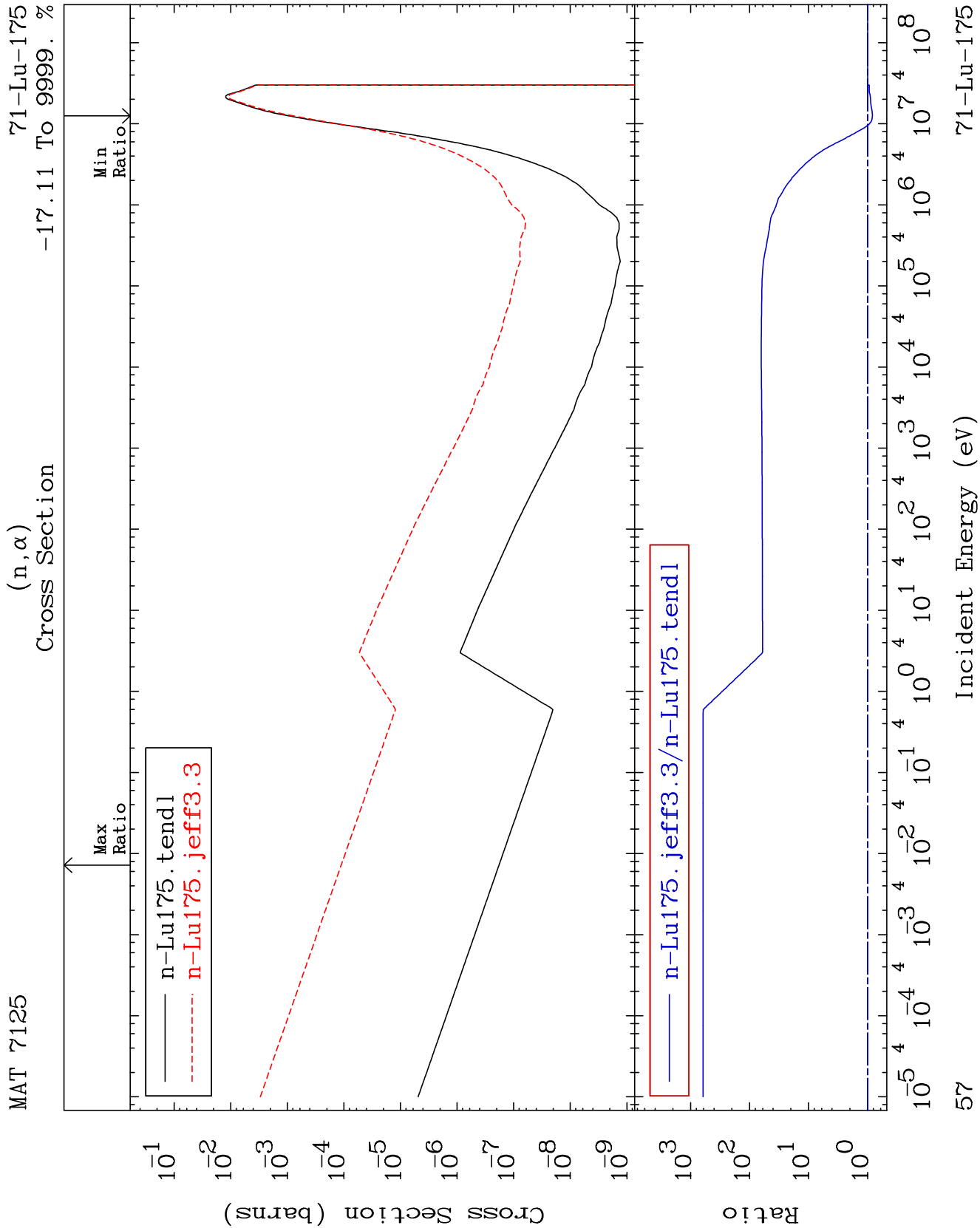
-6.632 To 1.503 %

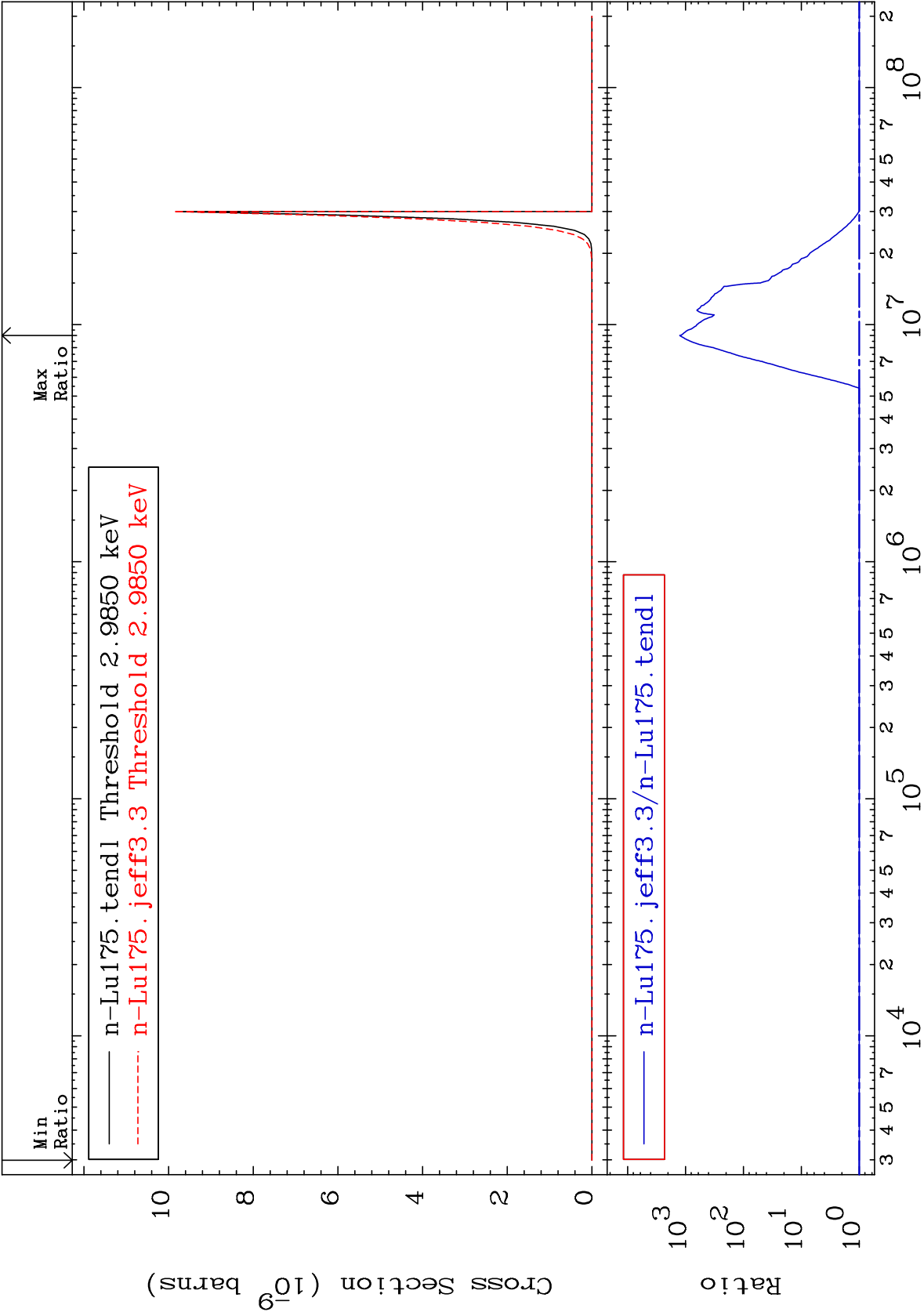


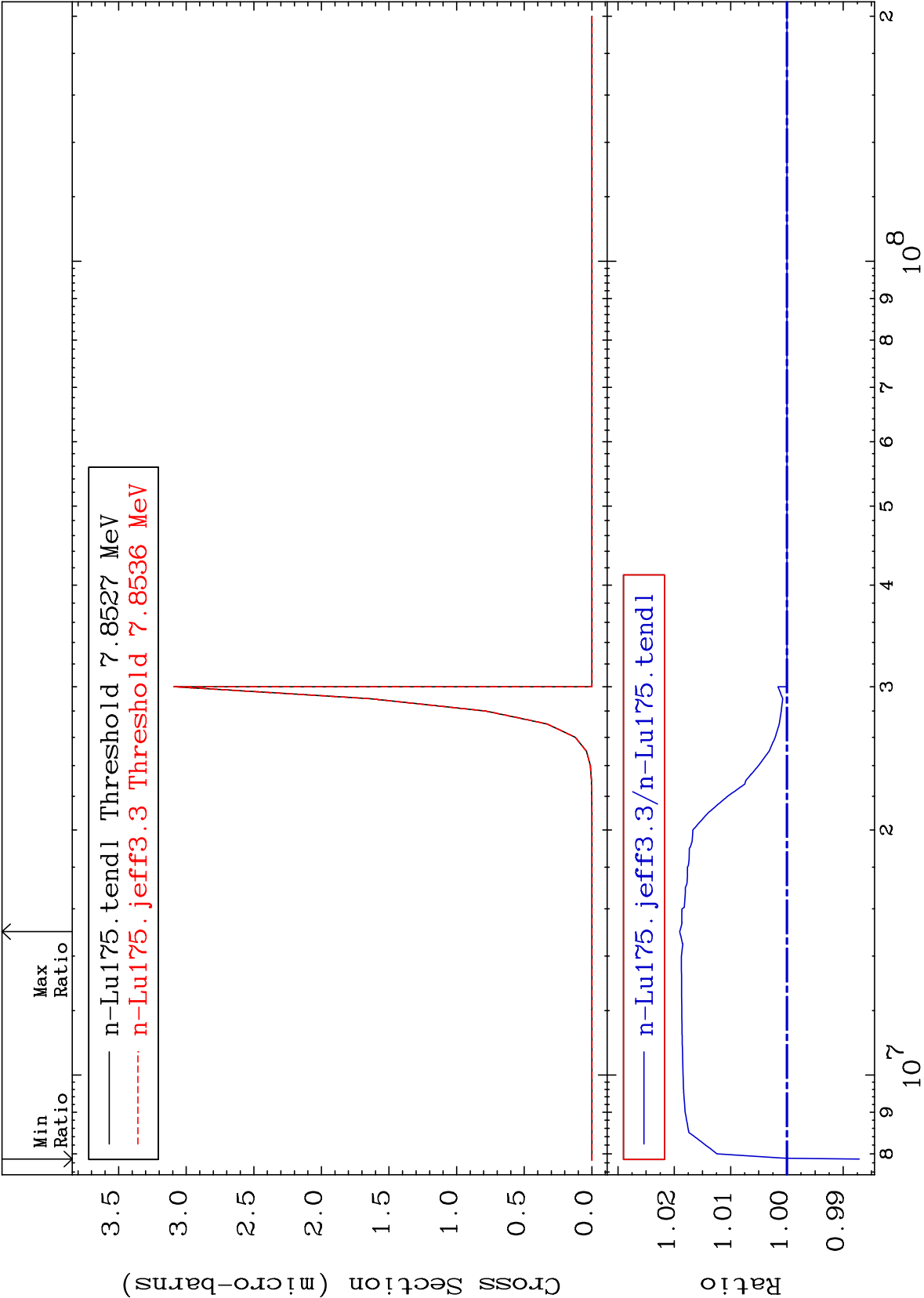












MAT 7125

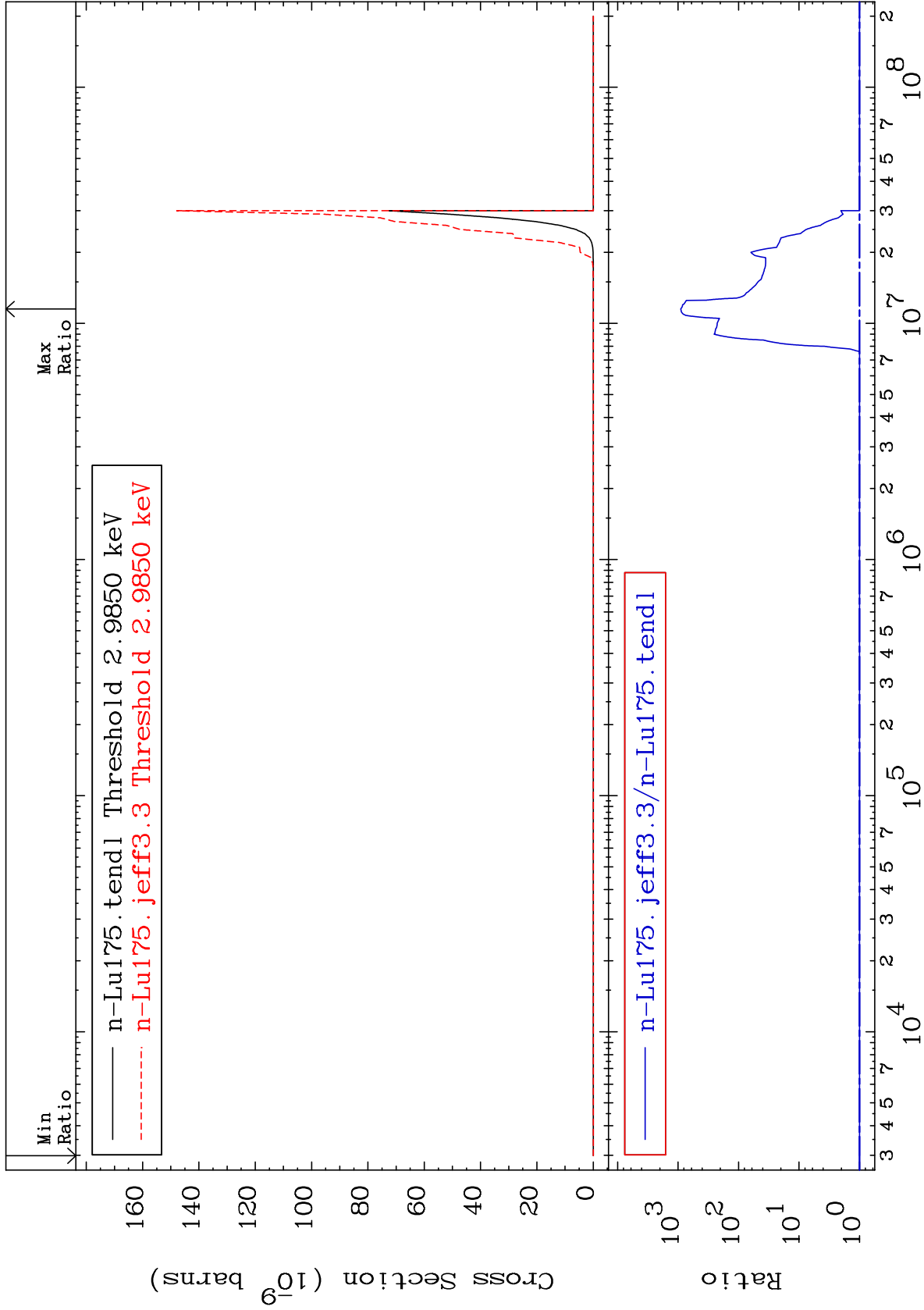
(n,p) α

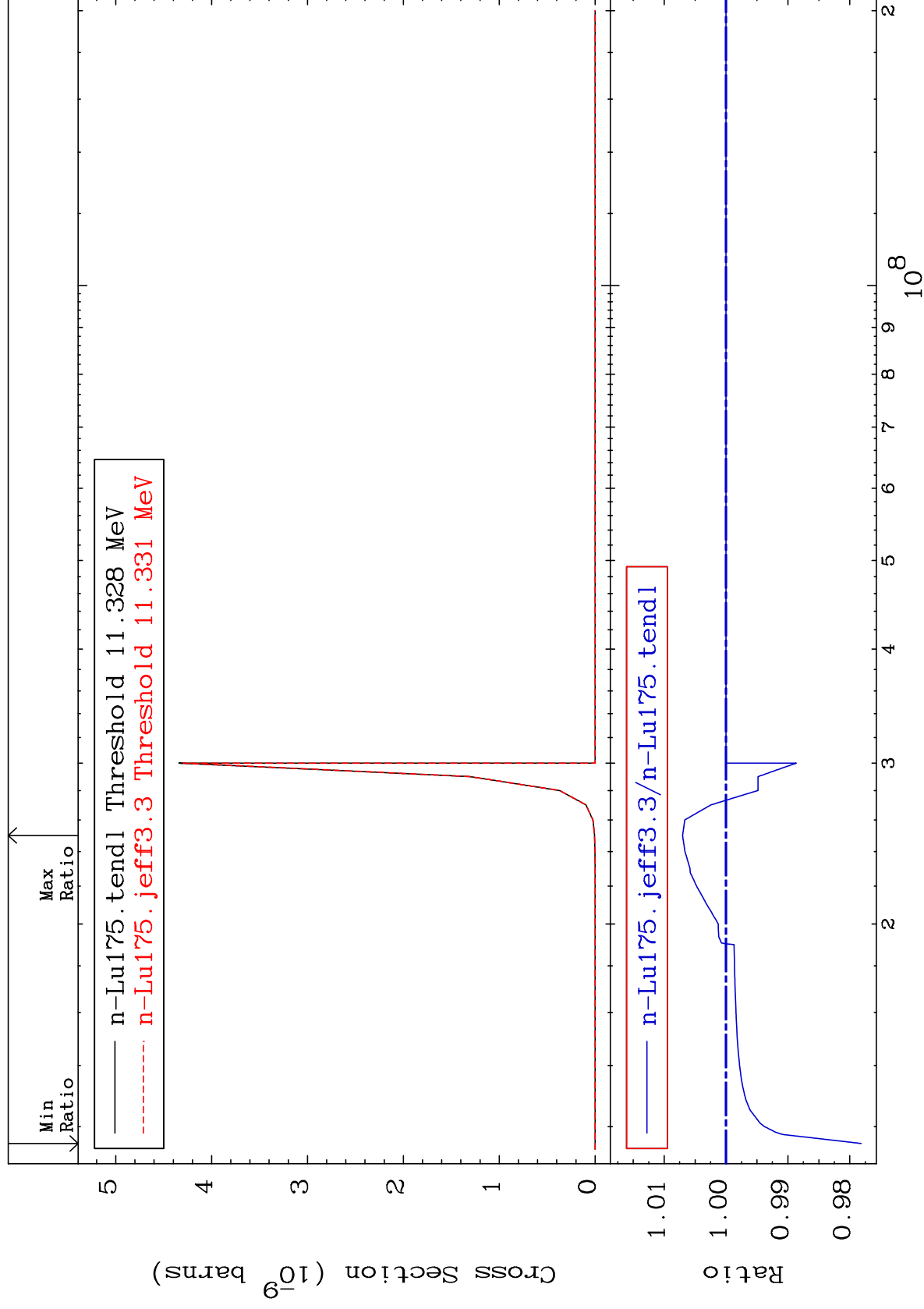
⁷¹Lu-¹⁷⁵

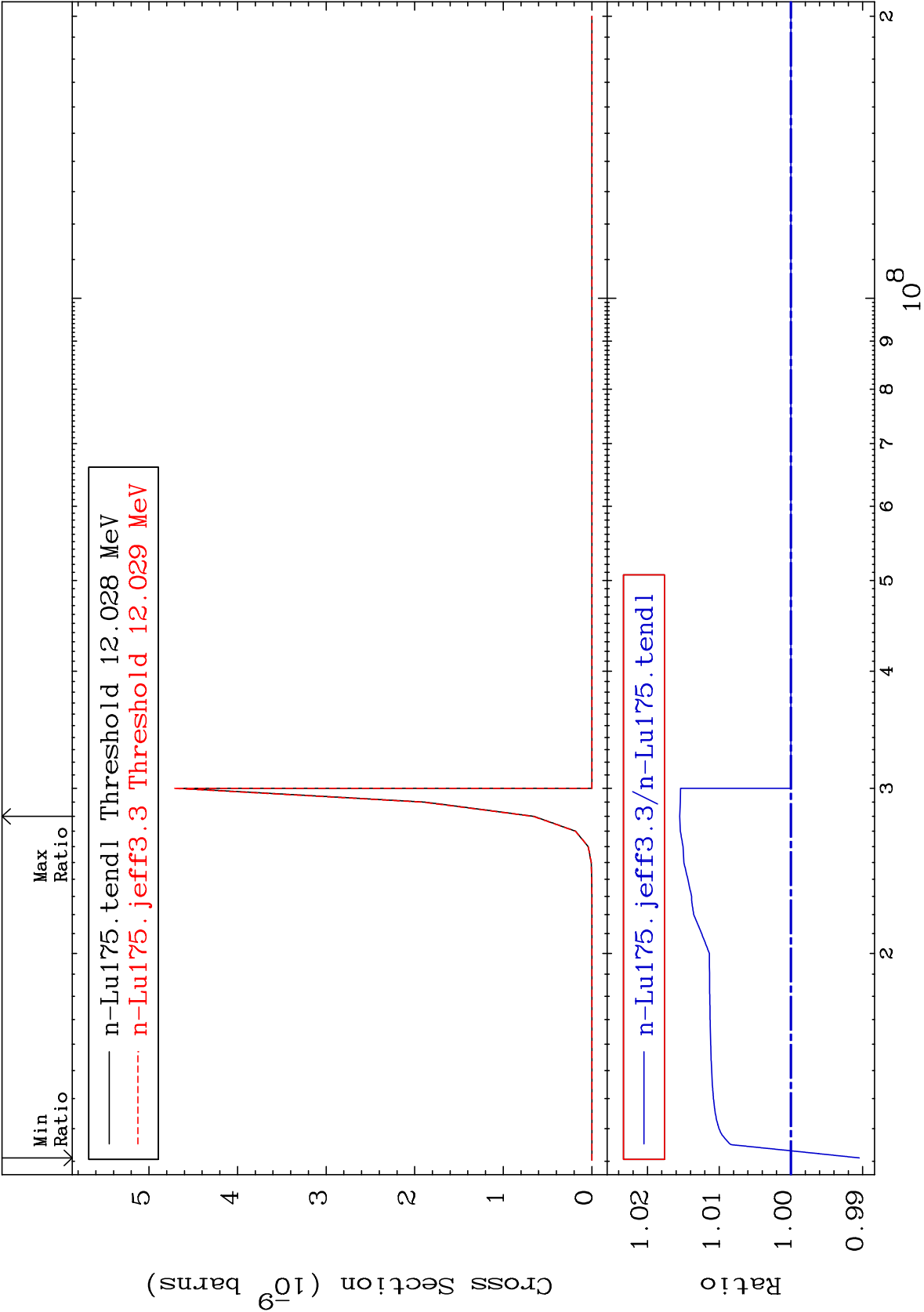
Cross Section

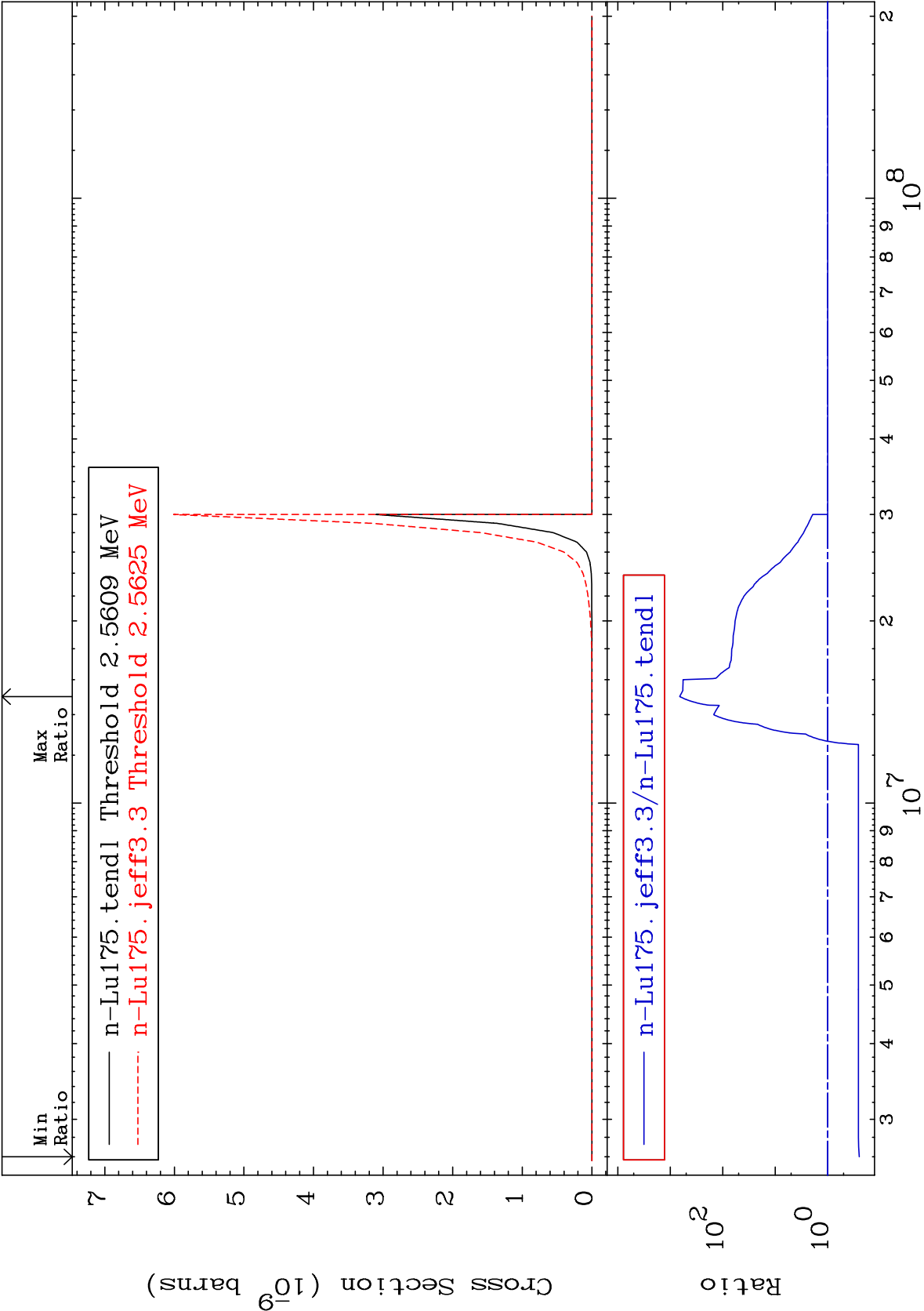
0.000

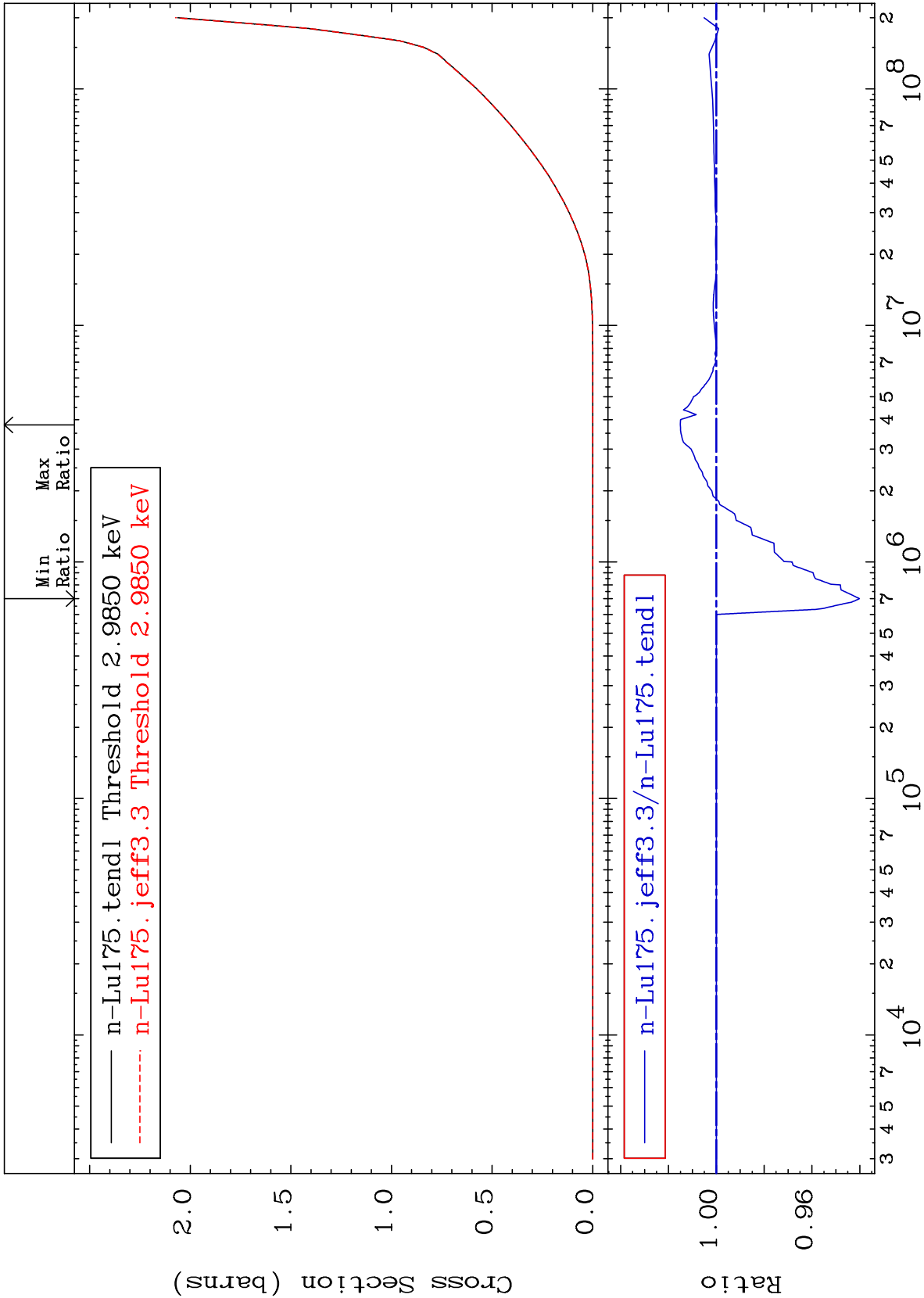
To 9999. %

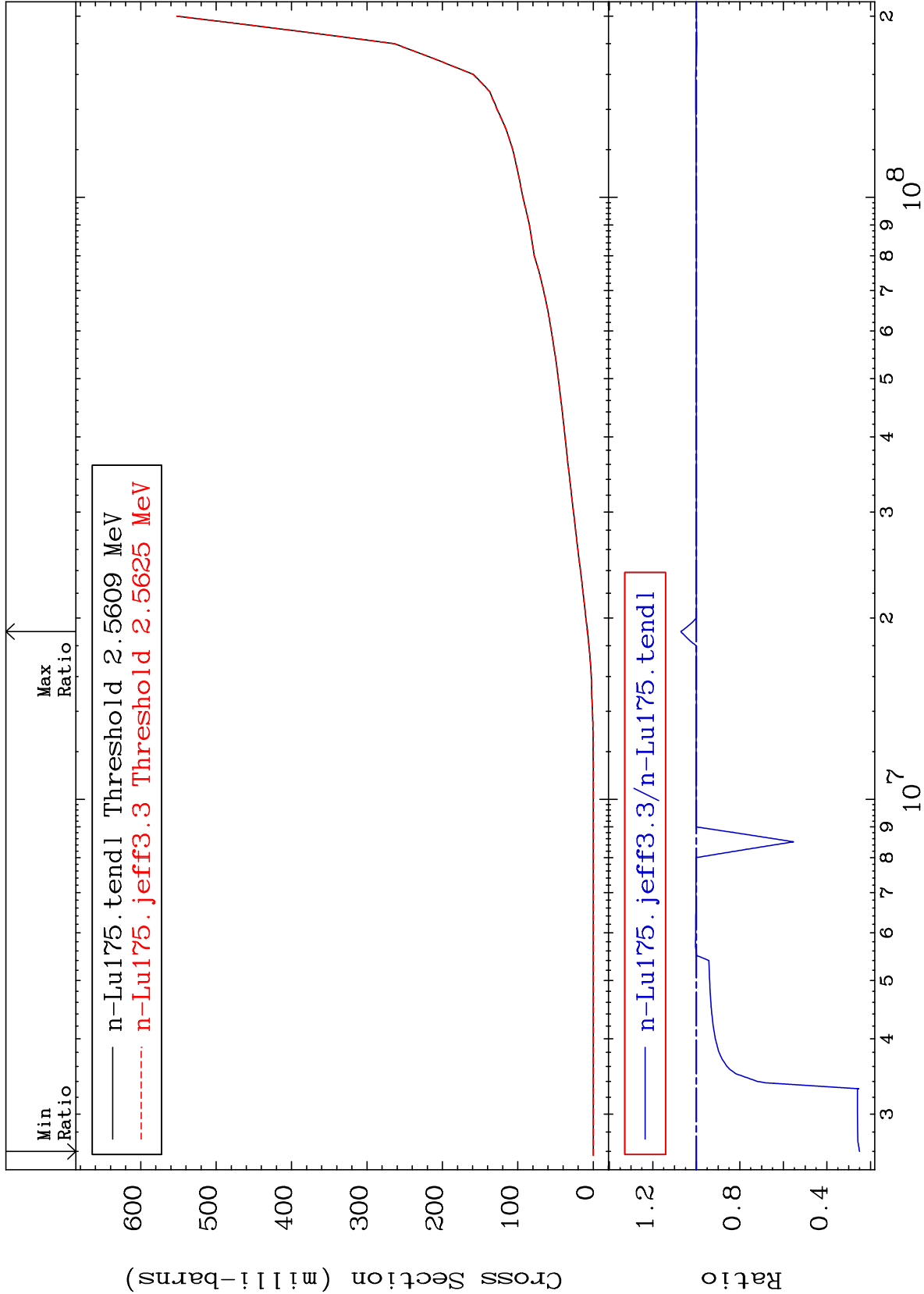








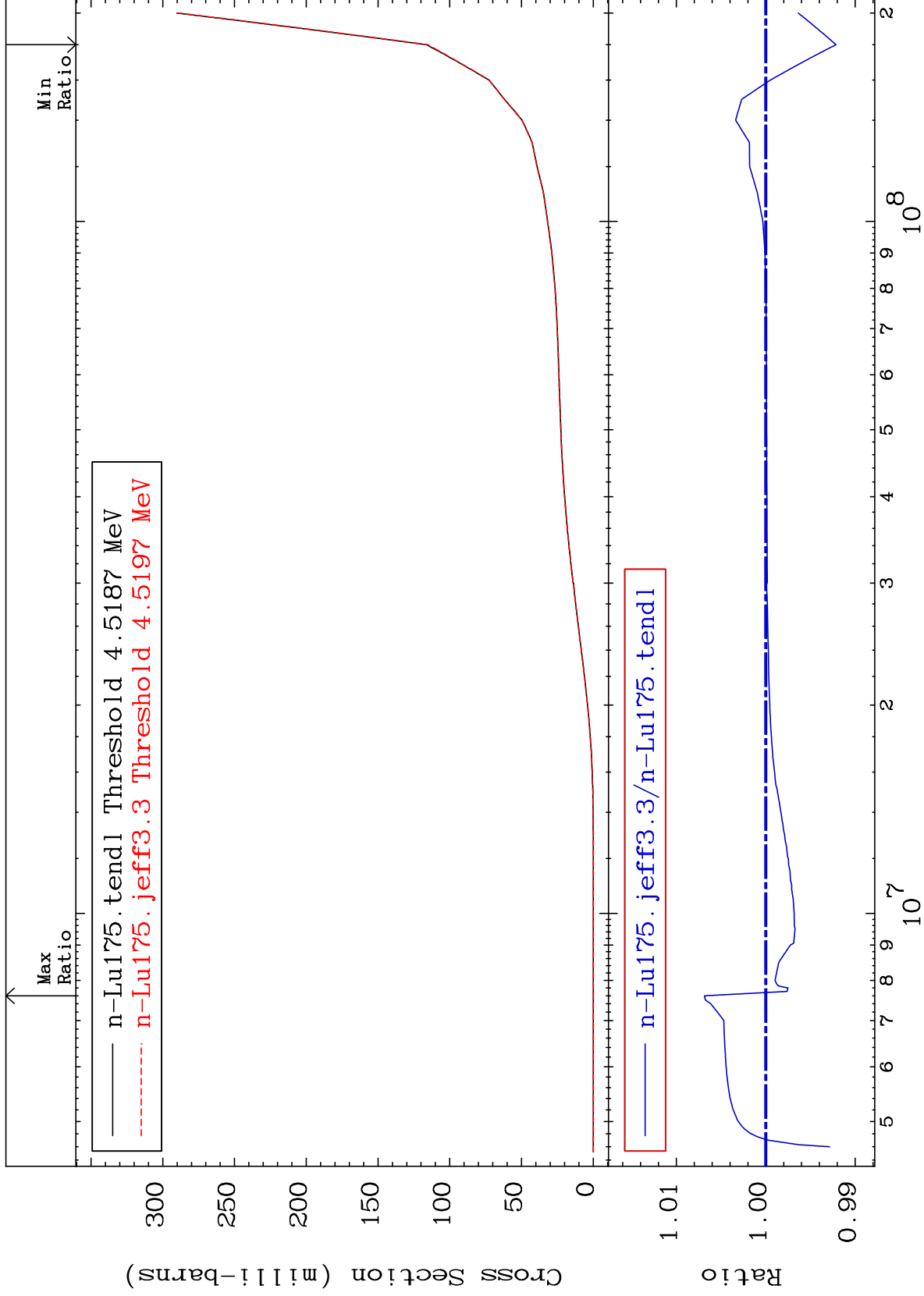




MAT 7125

Tritium Production
Cross Section

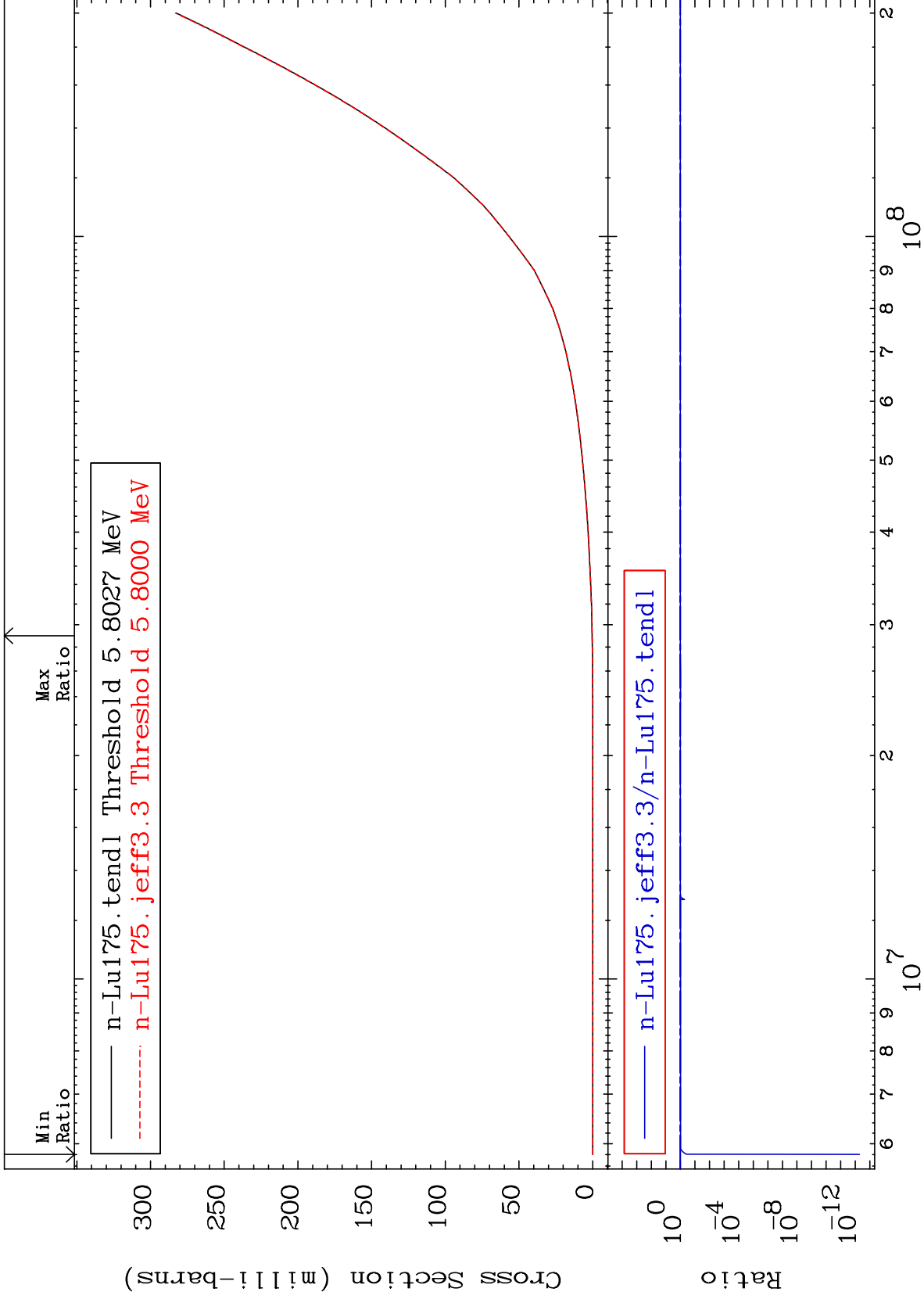
$^{71}\text{Lu-175}$
-0.784 To 0.687 %



MAT 7125

He-3 Production
Cross Section

⁷¹Lu-¹⁷⁵
-100.0 To 0.679 %



67

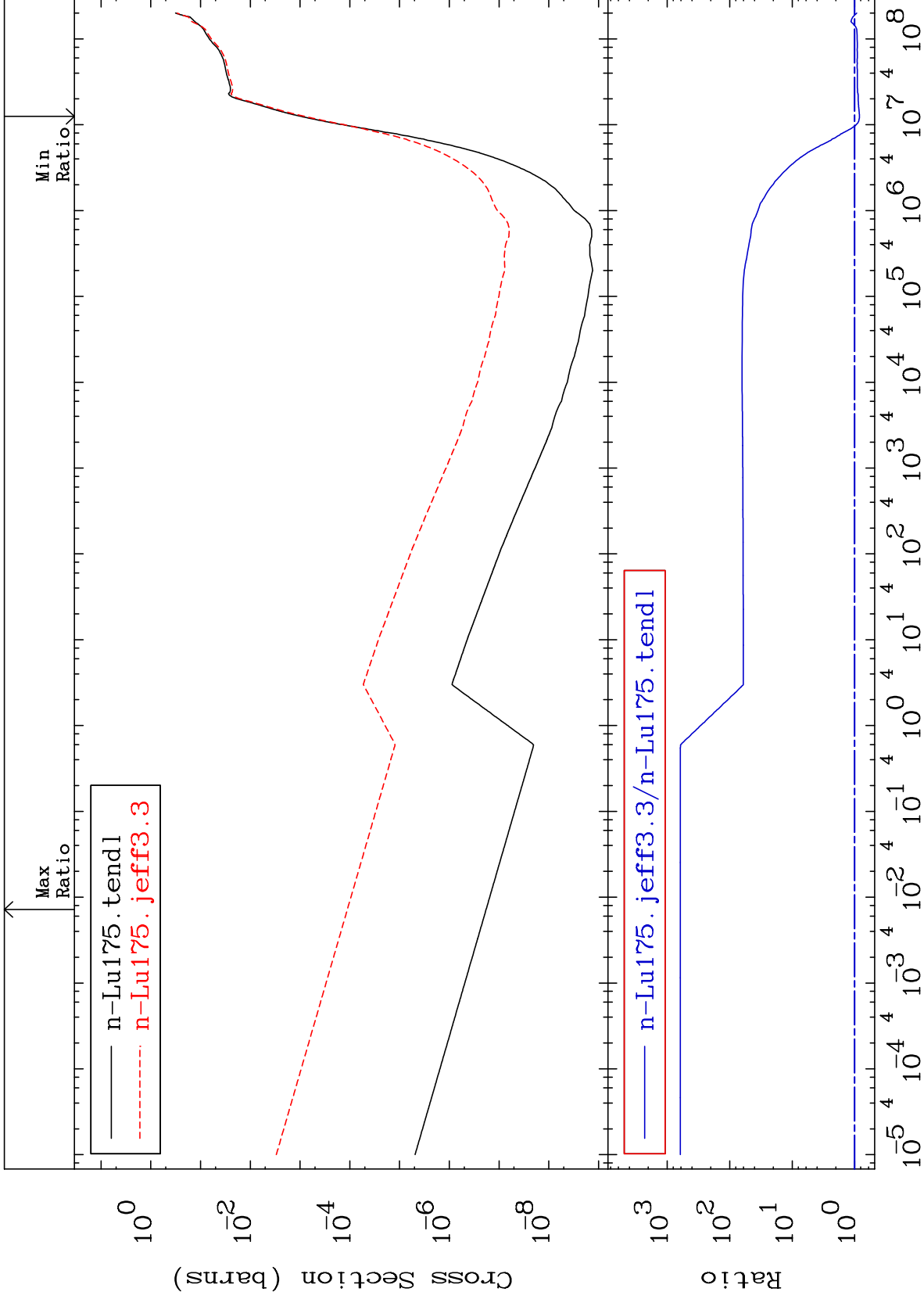
Incident Energy (eV)

⁷¹Lu-¹⁷⁵

MAT 7125

He-4 Production
Cross Section

$^{71}\text{Lu-175}$
-15.95 To 9999. %



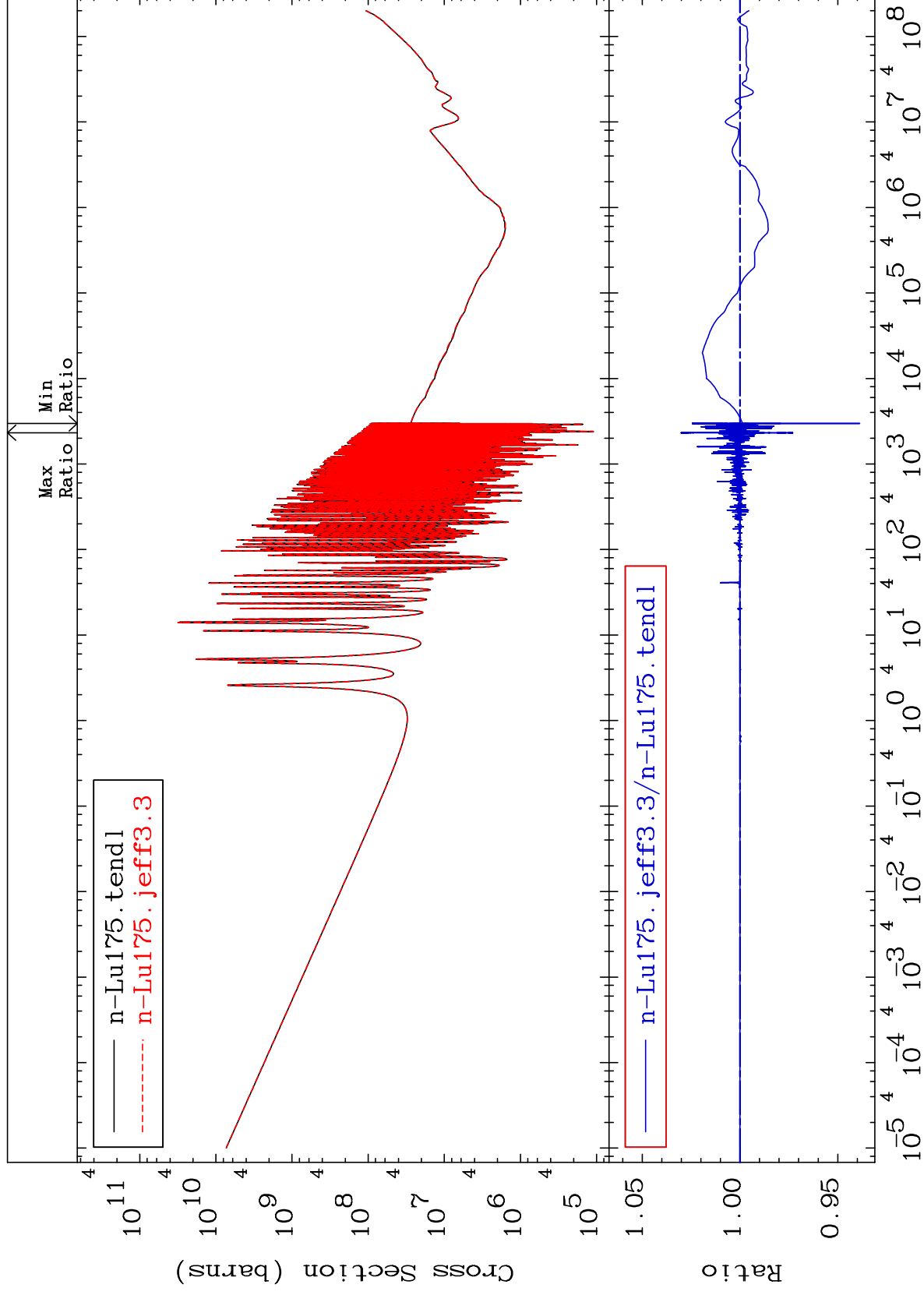
MAT 7125

Kerma total (eV-barns)

⁷¹Lu-175

Cross Section

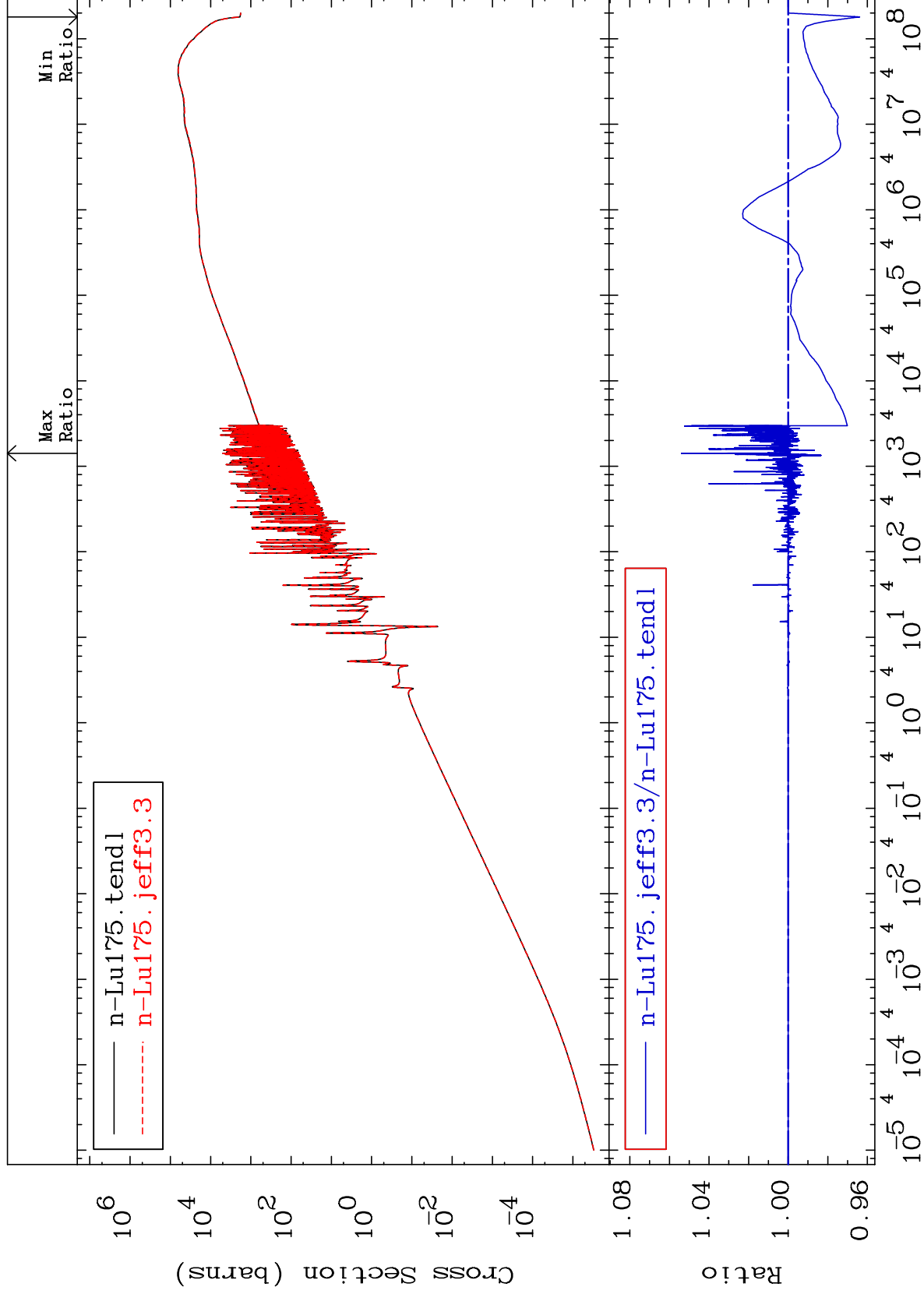
-6.119 To 3.007 %



MAT 7125

Kerma elastic
Cross Section

71-Lu-175
-3.611 To 5.406 %



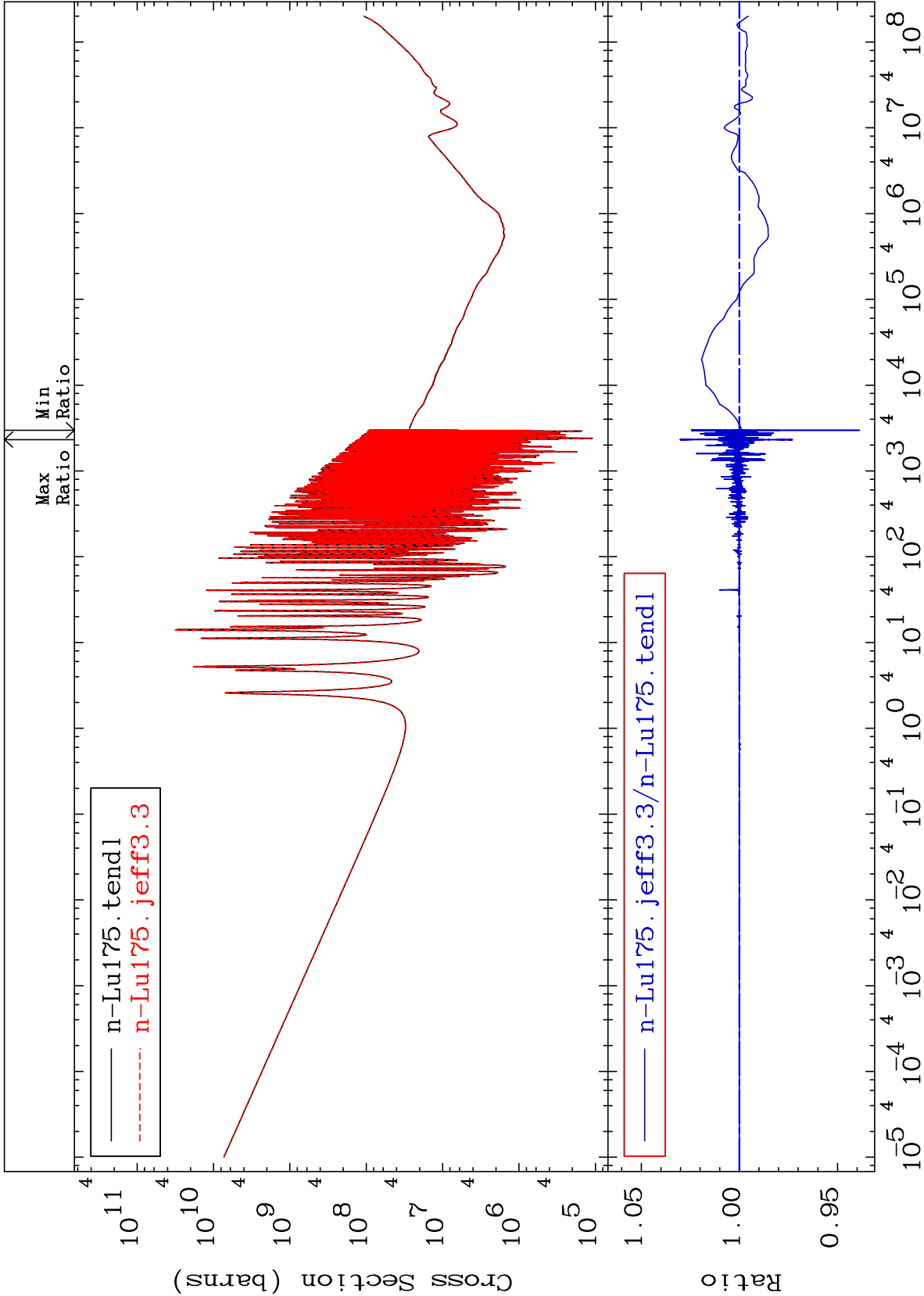
MAT 7125

Kerma non-elastic (all but mt2)

⁷¹Lu-¹⁷⁵

Cross Section

-6.119 To 3.007 %



71

Incident Energy (eV)

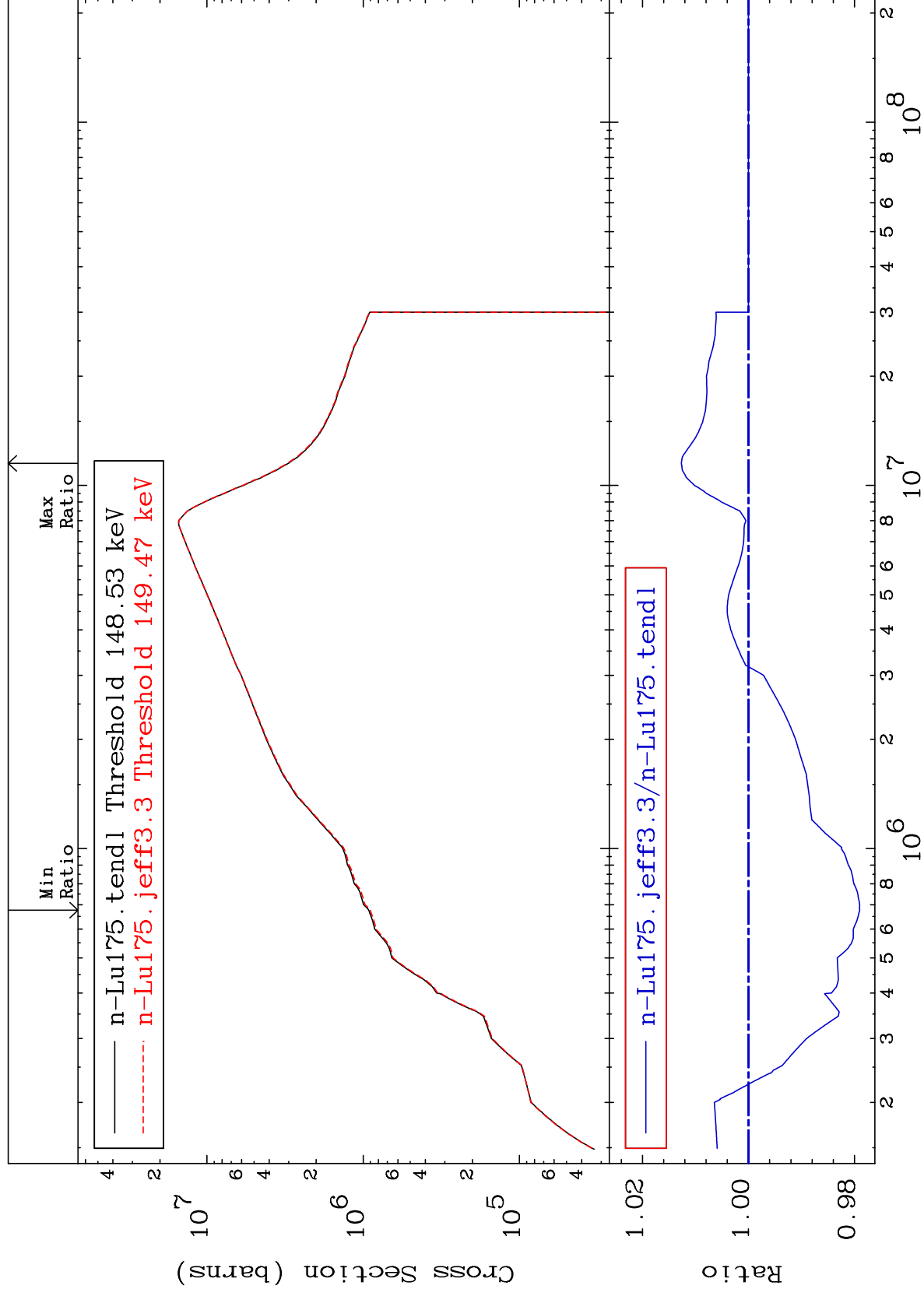
⁷¹Lu-¹⁷⁵

MAT 7125

Kerma inelastic (mt51-91)

71-Lu-175

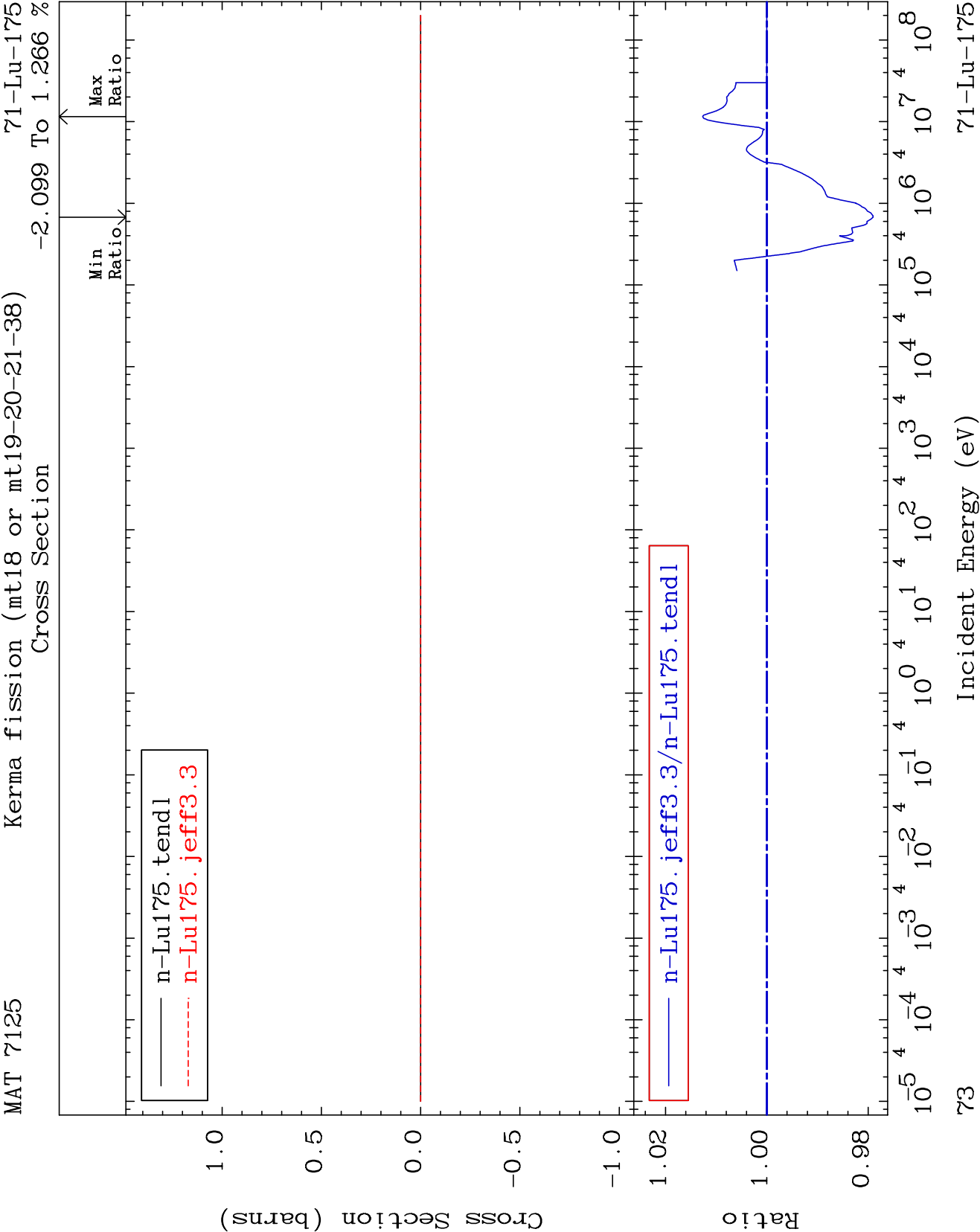
-2.099 To 1.266 %



22

Incident Energy (eV)

71-Lu-175



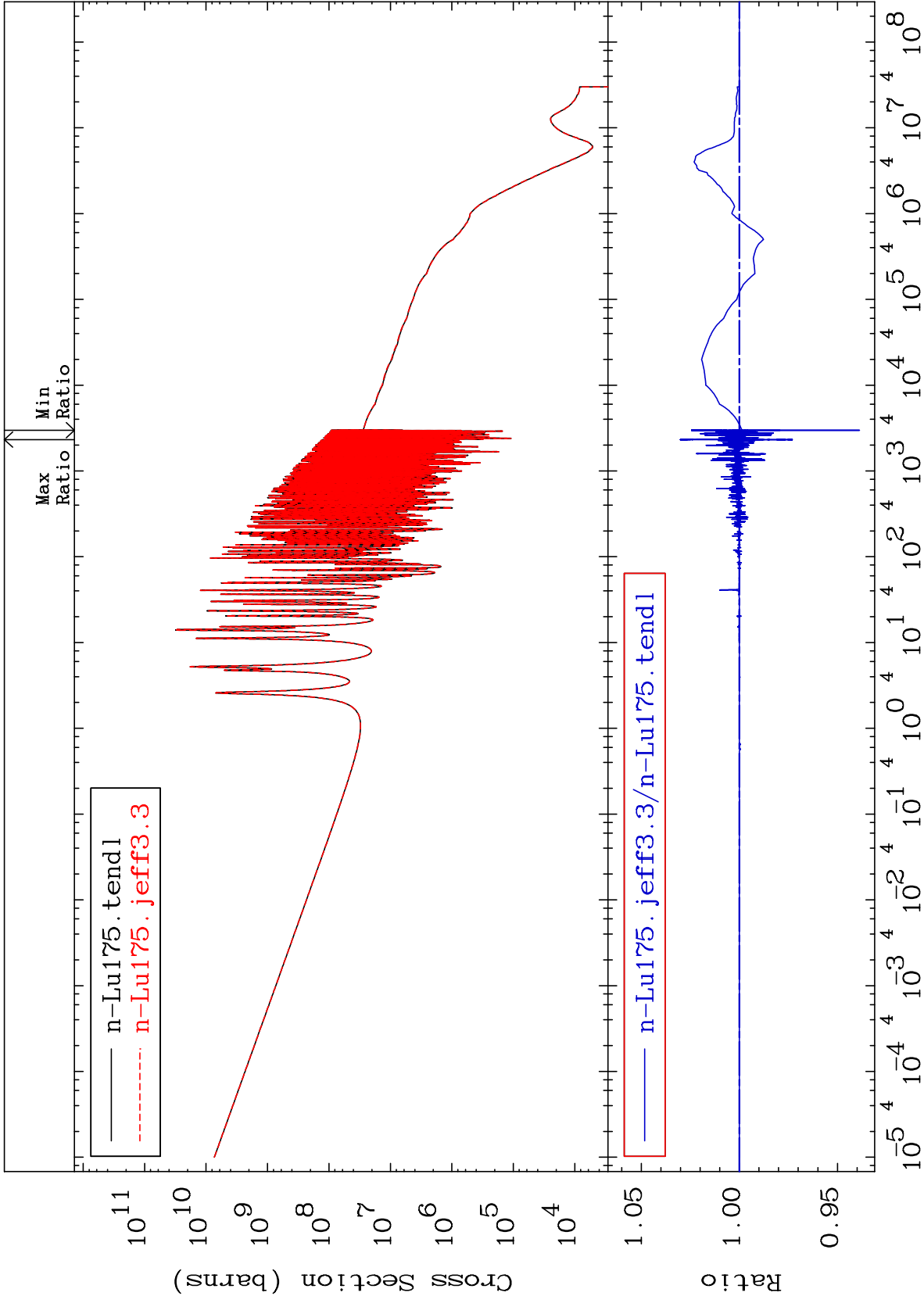
MAT 7125

Kerma capture (mt102)

⁷¹Lu-¹⁷⁵

Cross Section

-6.119 To 3.007 %



74

Incident Energy (eV)

⁷¹Lu-¹⁷⁵

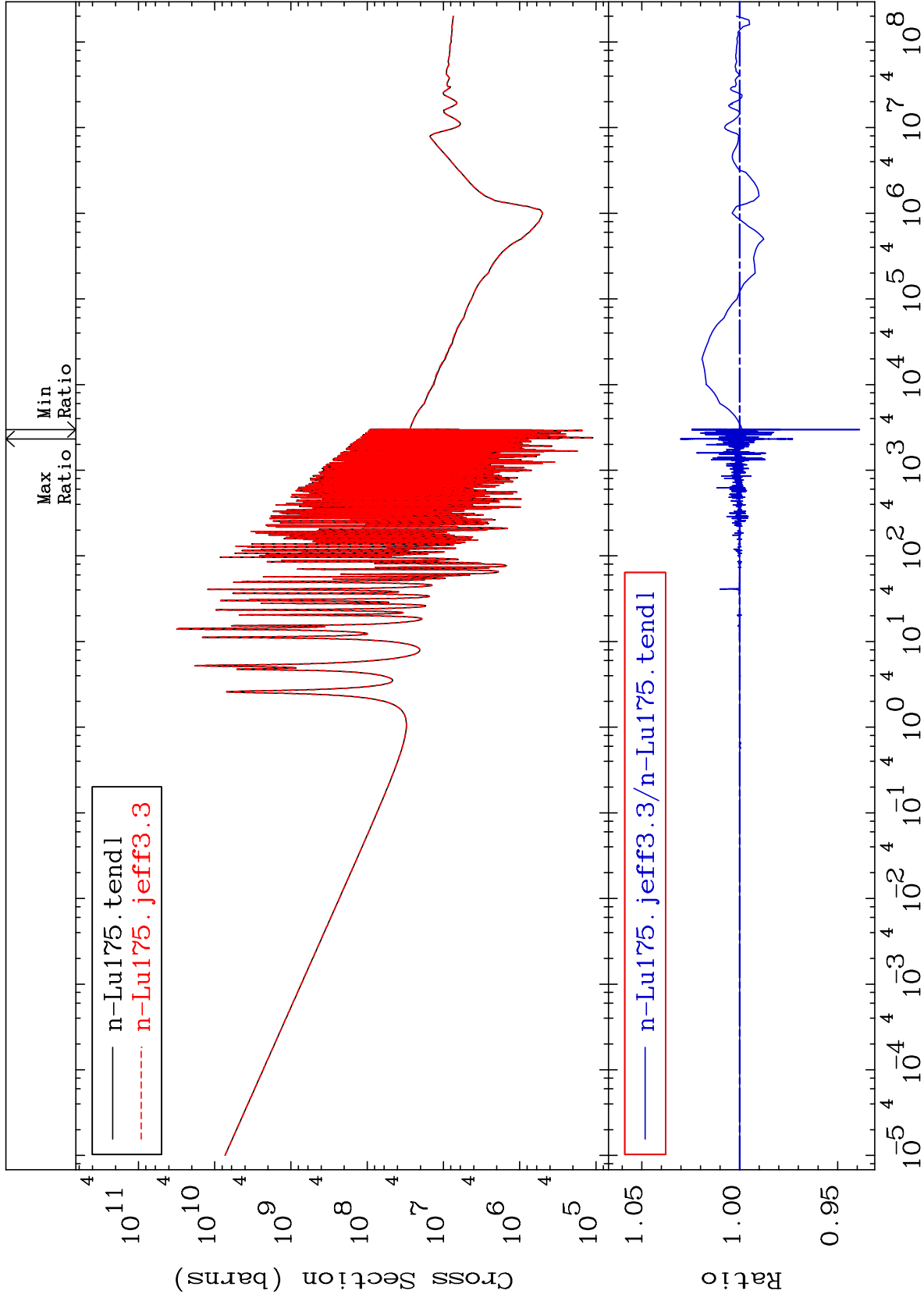
MAT 7125

Total photon (eV-barns)

⁷¹-Lu-175

Cross Section

-6.119 To 3.007 %



75

Incident Energy (eV)

⁷¹-Lu-175

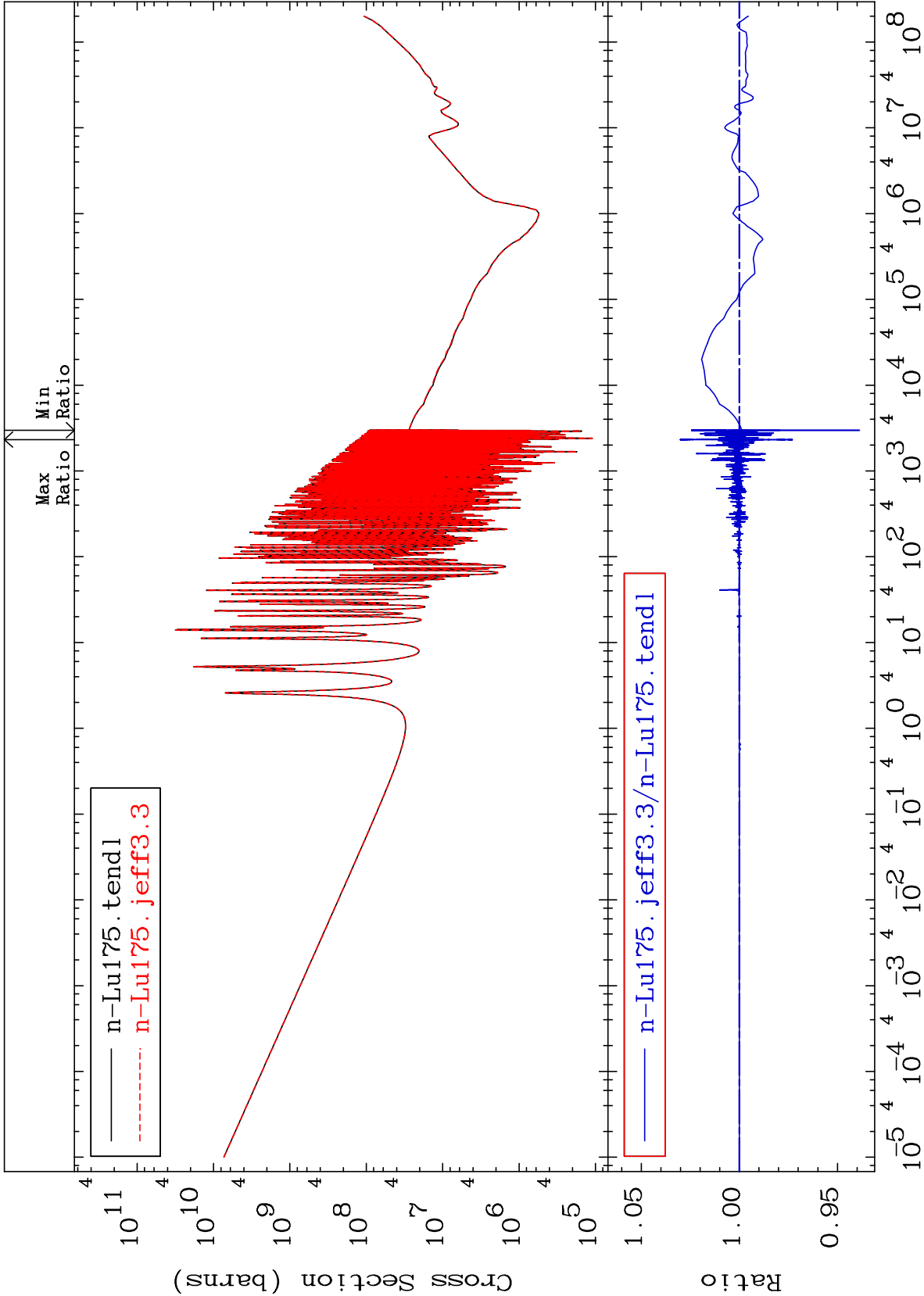
MAT 7125

Total kinematic kerma (high limit)

⁷¹Lu-¹⁷⁵

Cross Section

-6.119 To 3.007 %



76

Incident Energy (eV)

⁷¹Lu-¹⁷⁵

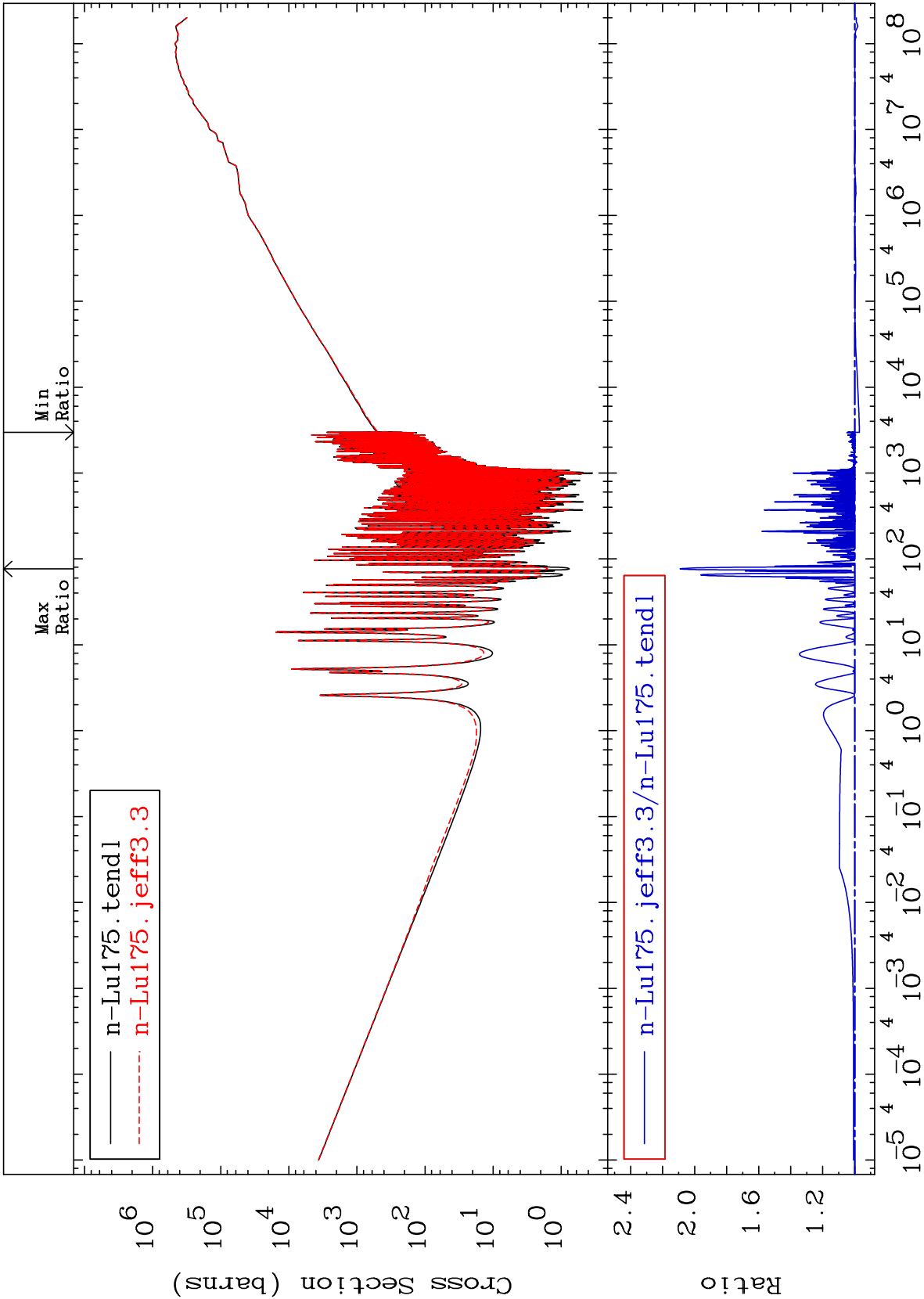
MAT 7125

Dpa total (eV-barns)

⁷¹Lu-¹⁷⁵

-2.912 To 109.1 %

Cross Section



77

Incident Energy (eV)

⁷¹Lu-¹⁷⁵

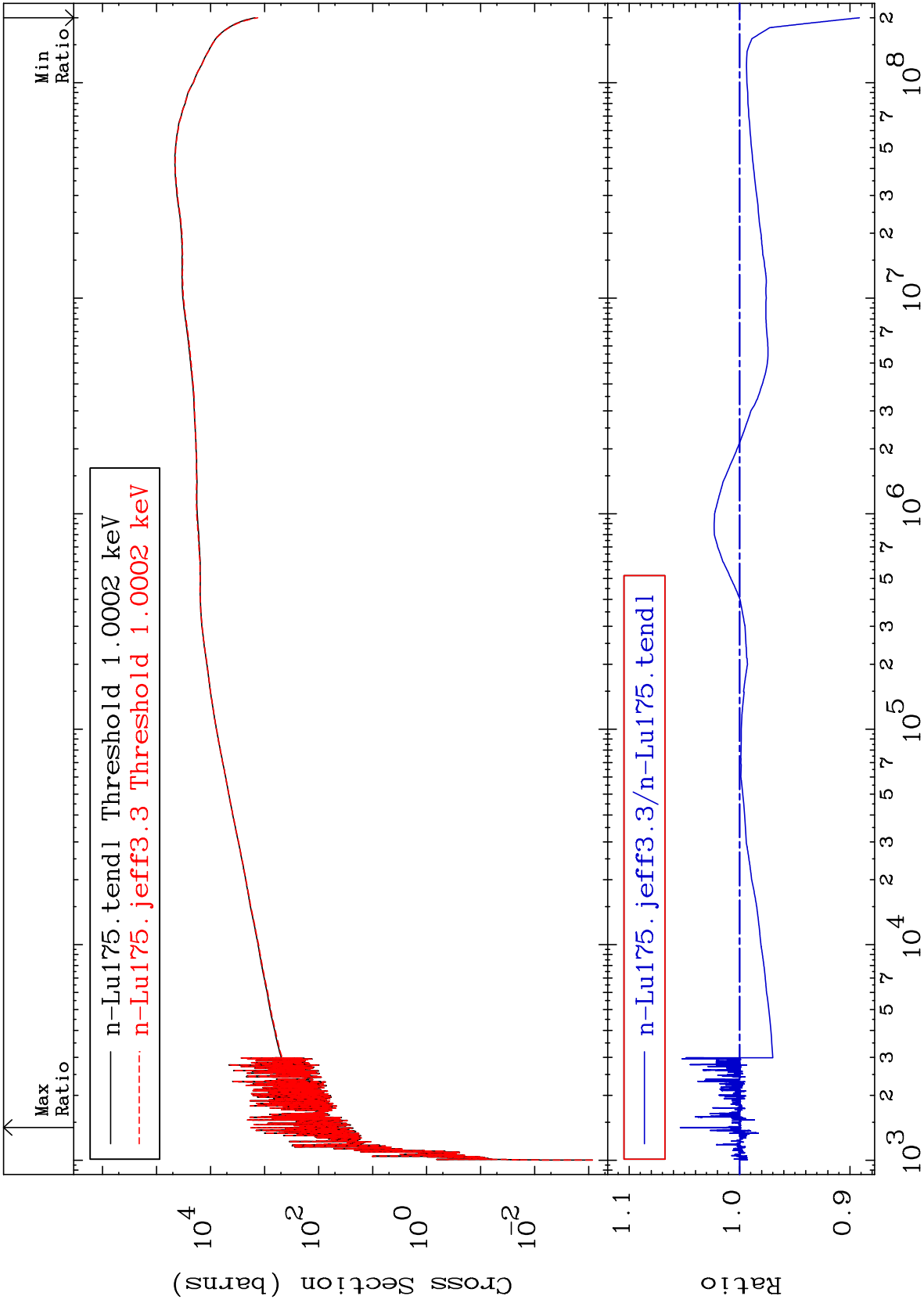
MAT 7125

Dpa elastic (mt2)

⁷¹-Lu-175

Cross Section

-10.85 To 5.386 %



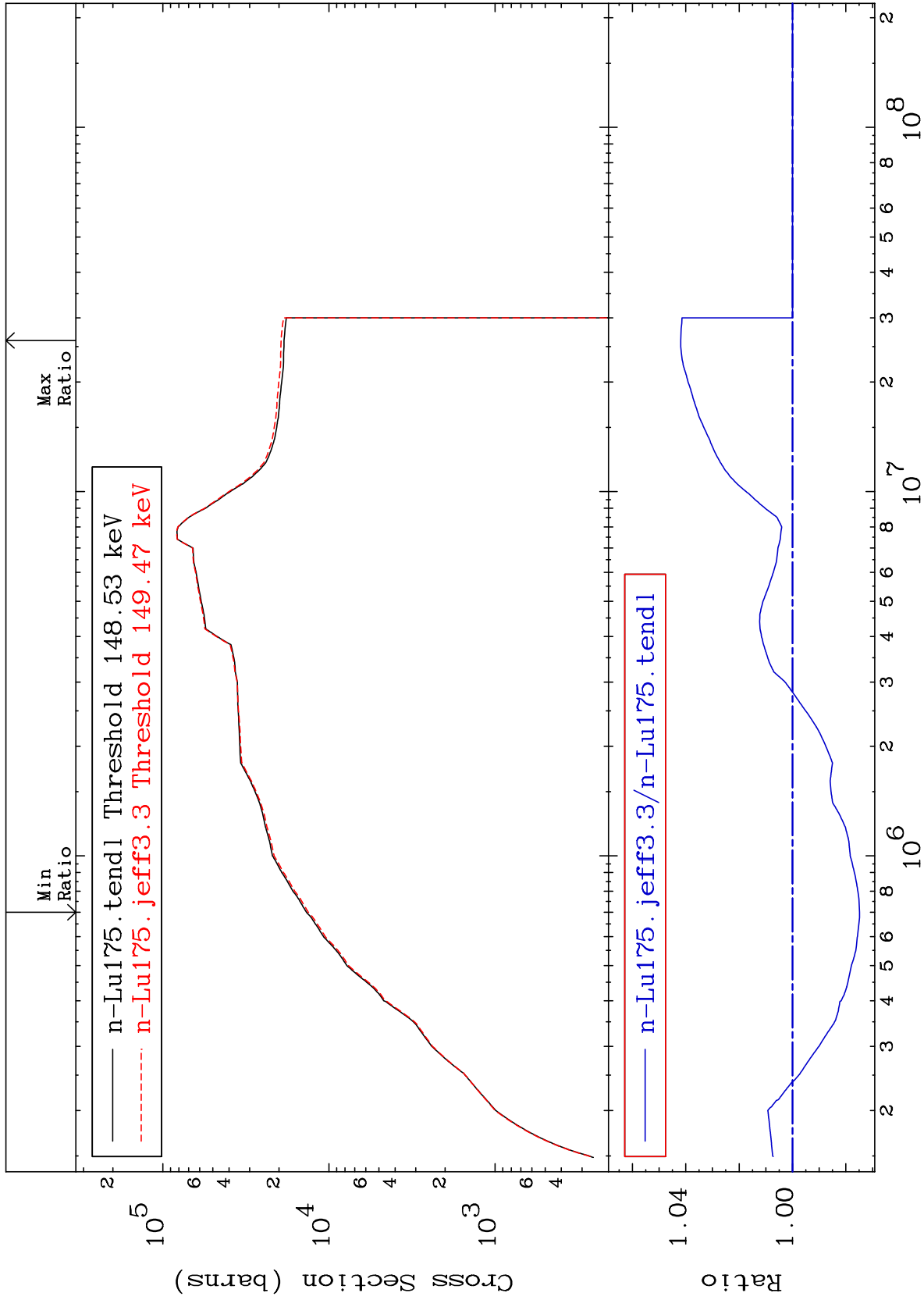
MAT 7125

Dpa inelastic (mt51-91)

⁷¹Lu-¹⁷⁵

Cross Section

-2.512 To 4.187 %



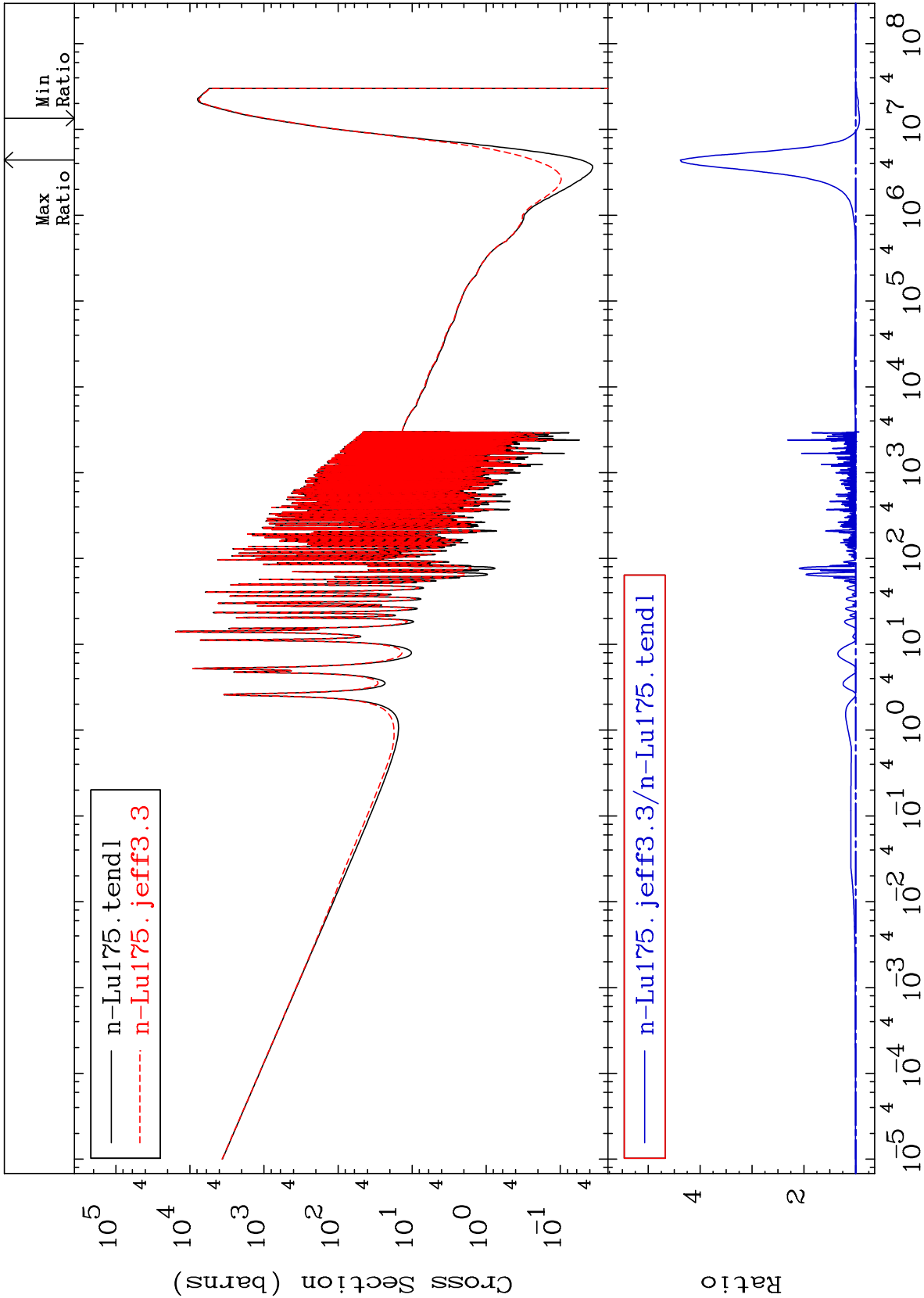
MAT 7125

Dpa disappearance (mt102 -120)

71-Lu-175

Cross Section

-7.082 To 338.2 %



80

Incident Energy (eV)

71-Lu-175

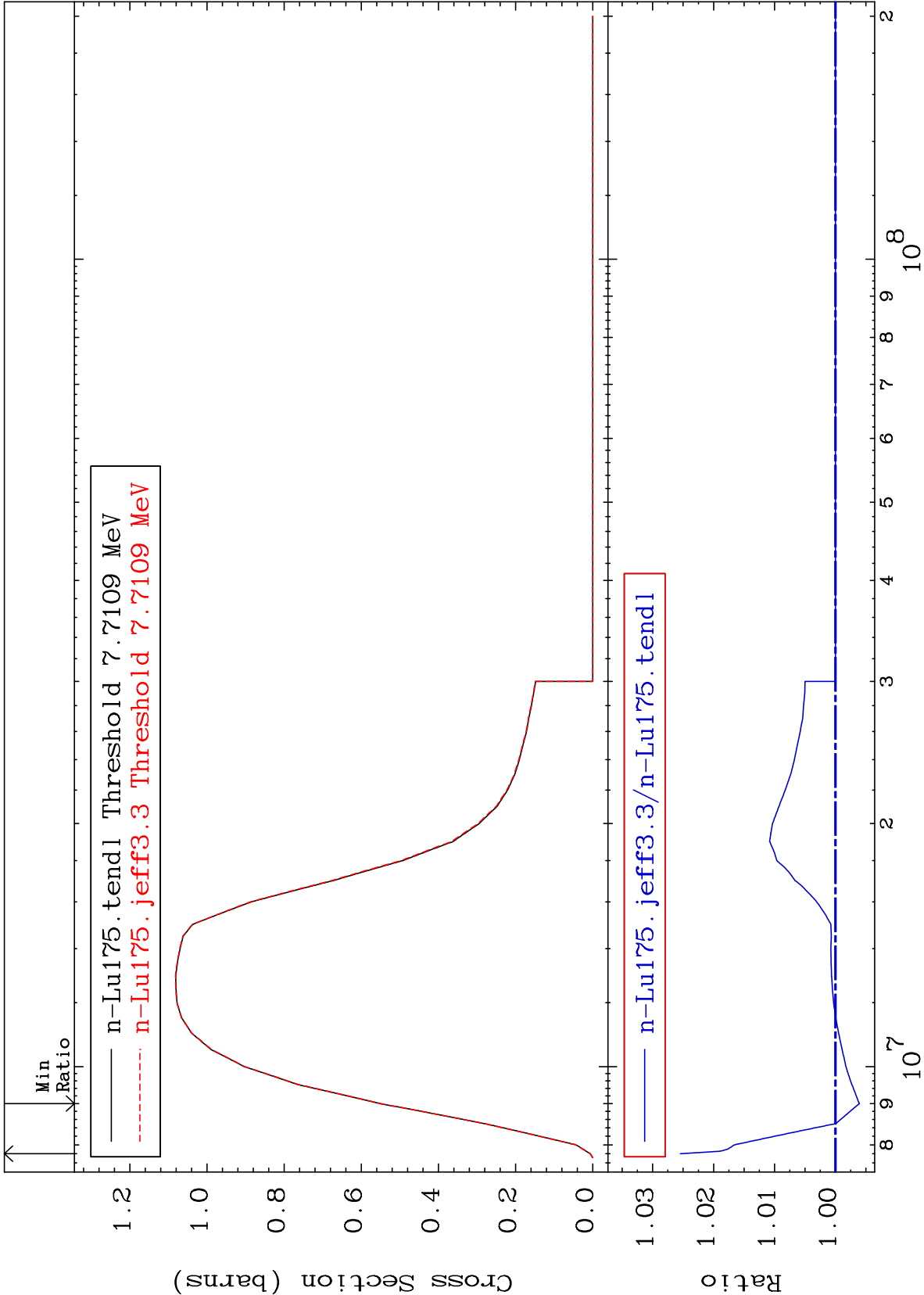
MAT 7125

(n,2n):71-Lu-174g

71-Lu-175

Radionuclide Production Cross Section

-0.393 To 2.545 %



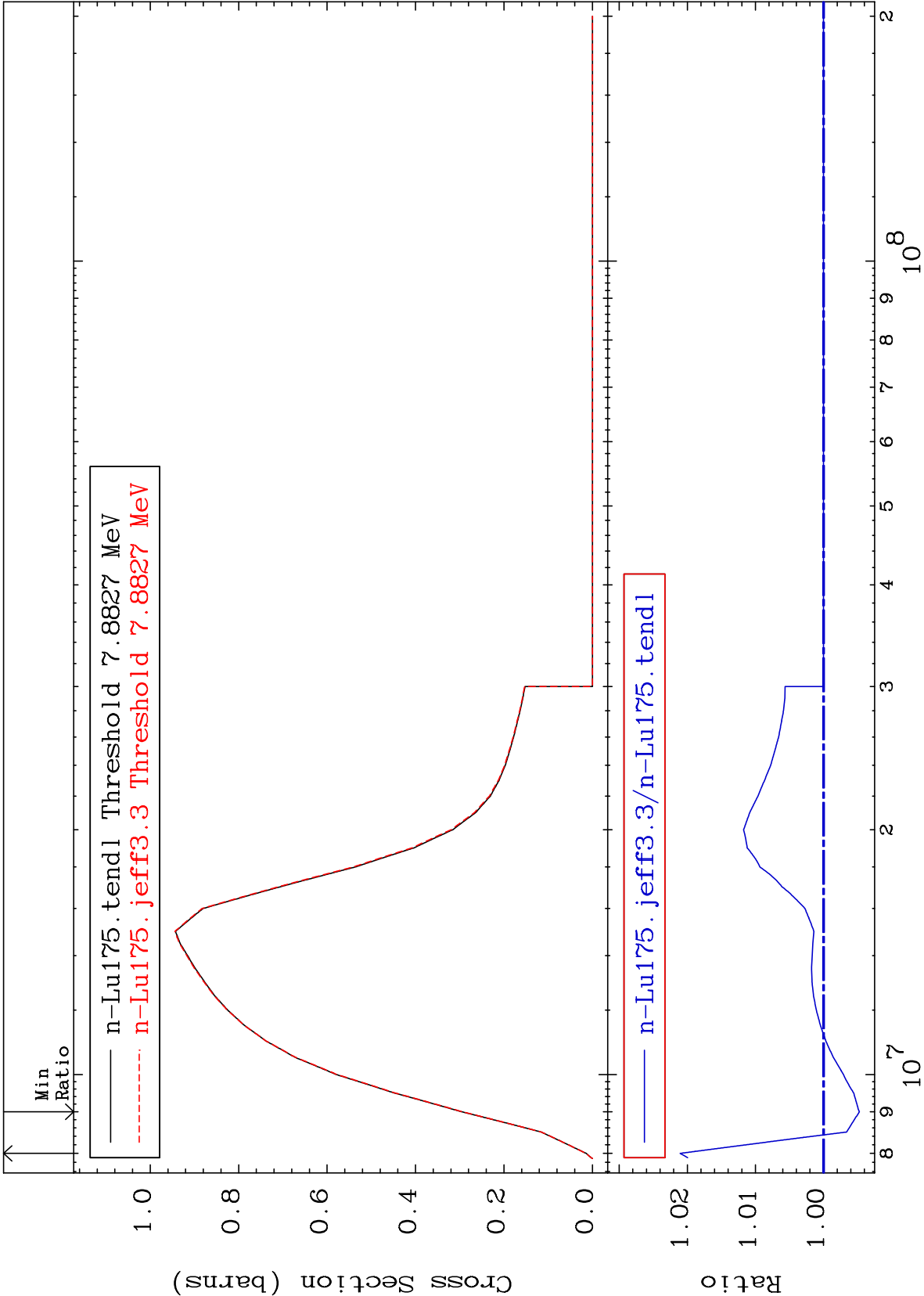
MAT 7125

(n,2n):71-Lu-174m3

71-Lu-175

Radionuclide Production Cross Section

-0.525 To 2.105 %



82

Incident Energy (eV)

71-Lu-175

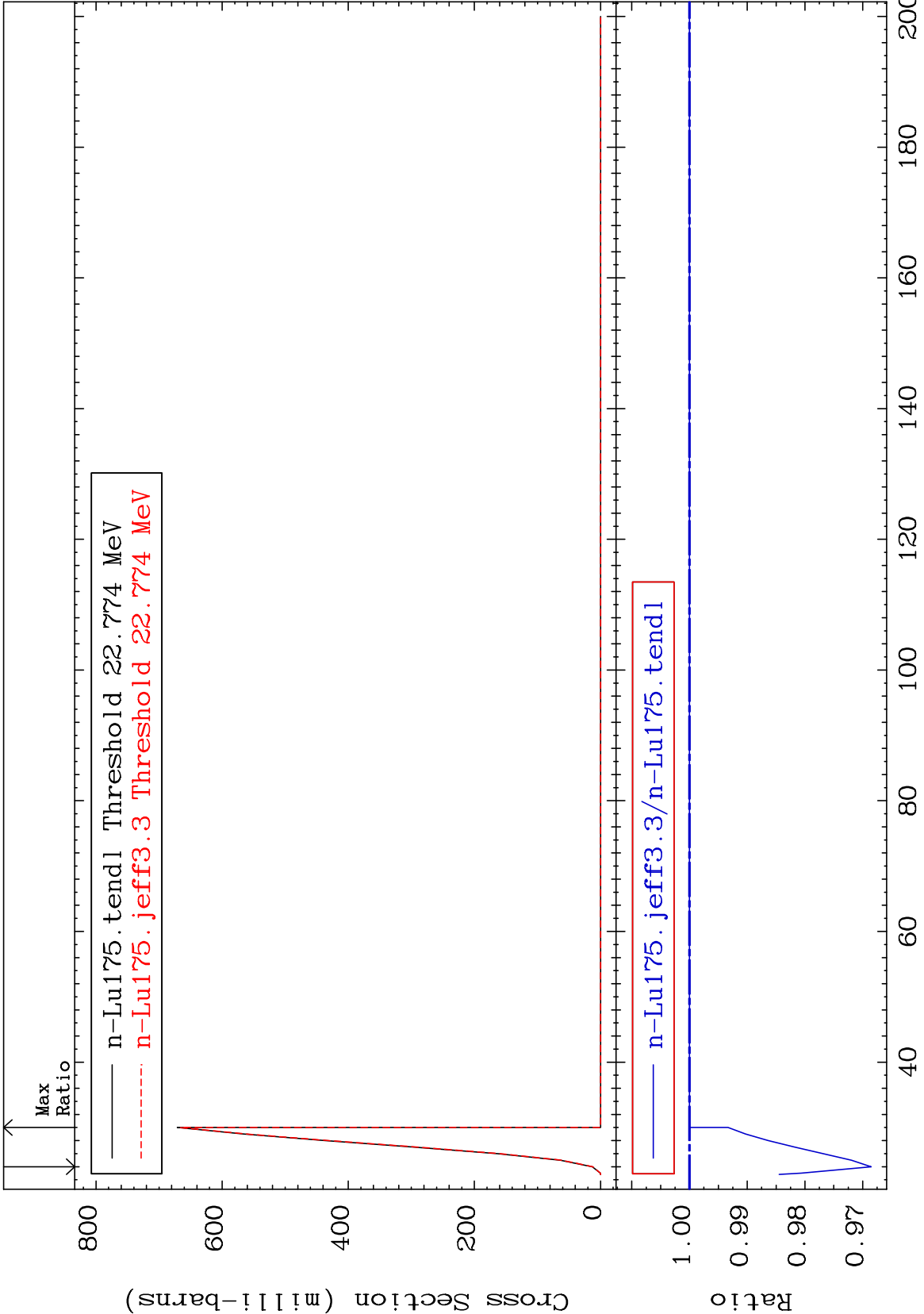
MAT 7125

(n,4n):71-Lu-172g

71-Lu-175

Radionuclide Production Cross Section

-3.147 To 0.000 %



Radionuclide Production Cross Section

-2.883 To 0.000 %

