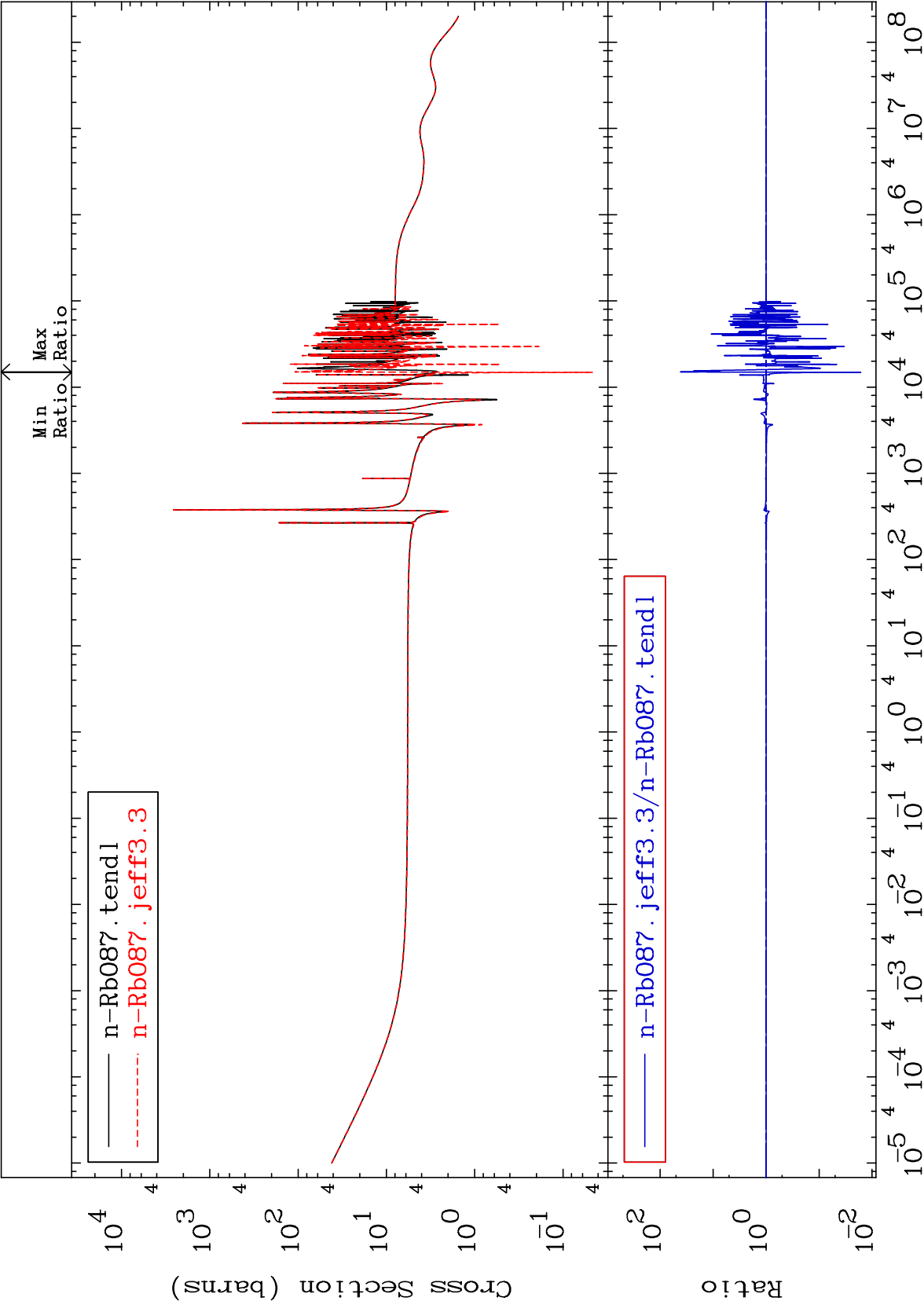


MAT 3731

Total  
Cross Section

$^{37}\text{Rb-87}$   
-98.36 To 3982. %



Incident Energy (eV)

$^{37}\text{Rb-87}$

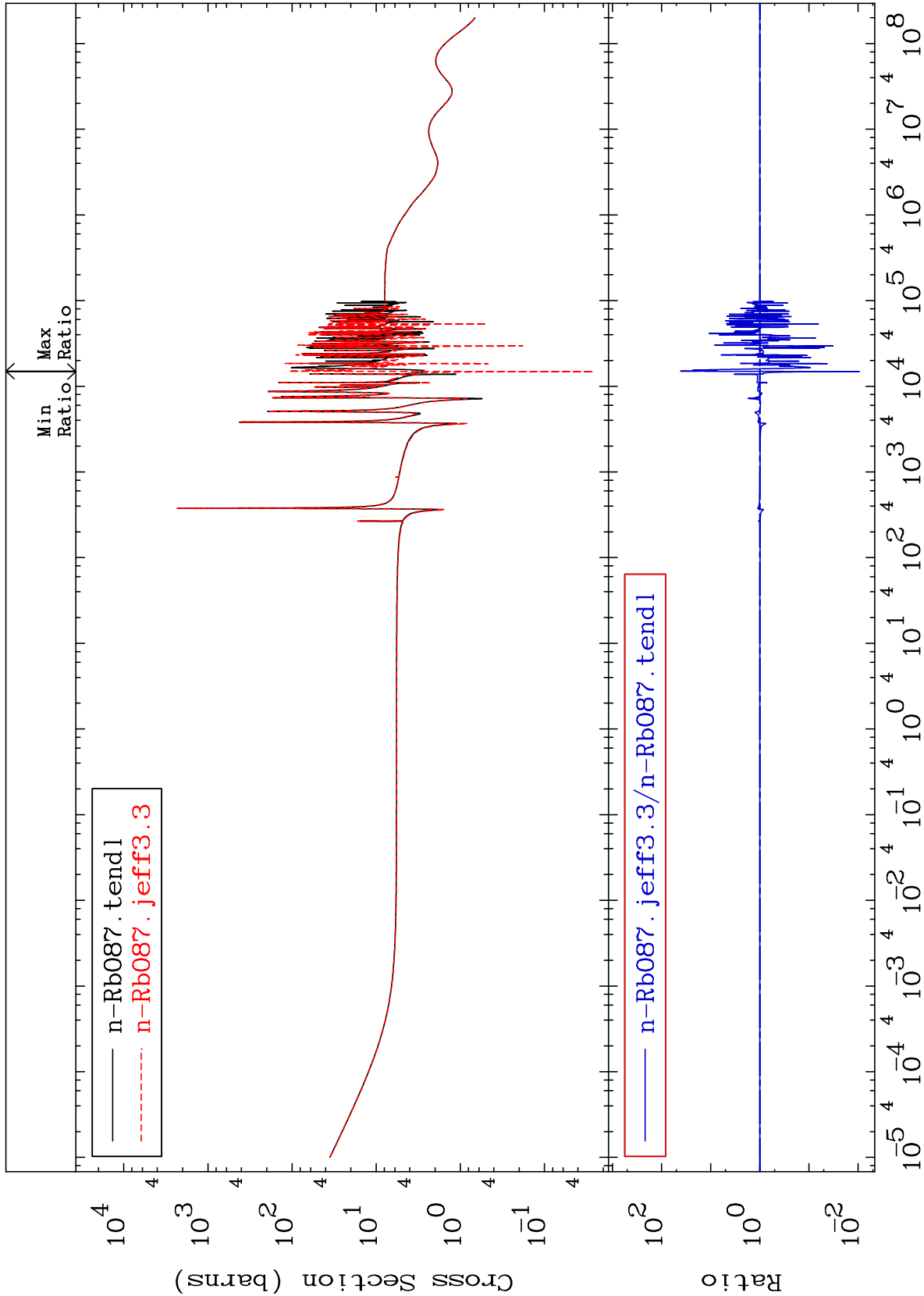
MAT 3731

Elastic

Cross Section

<sup>37</sup>Rb-87

-99.06 To 3967. %



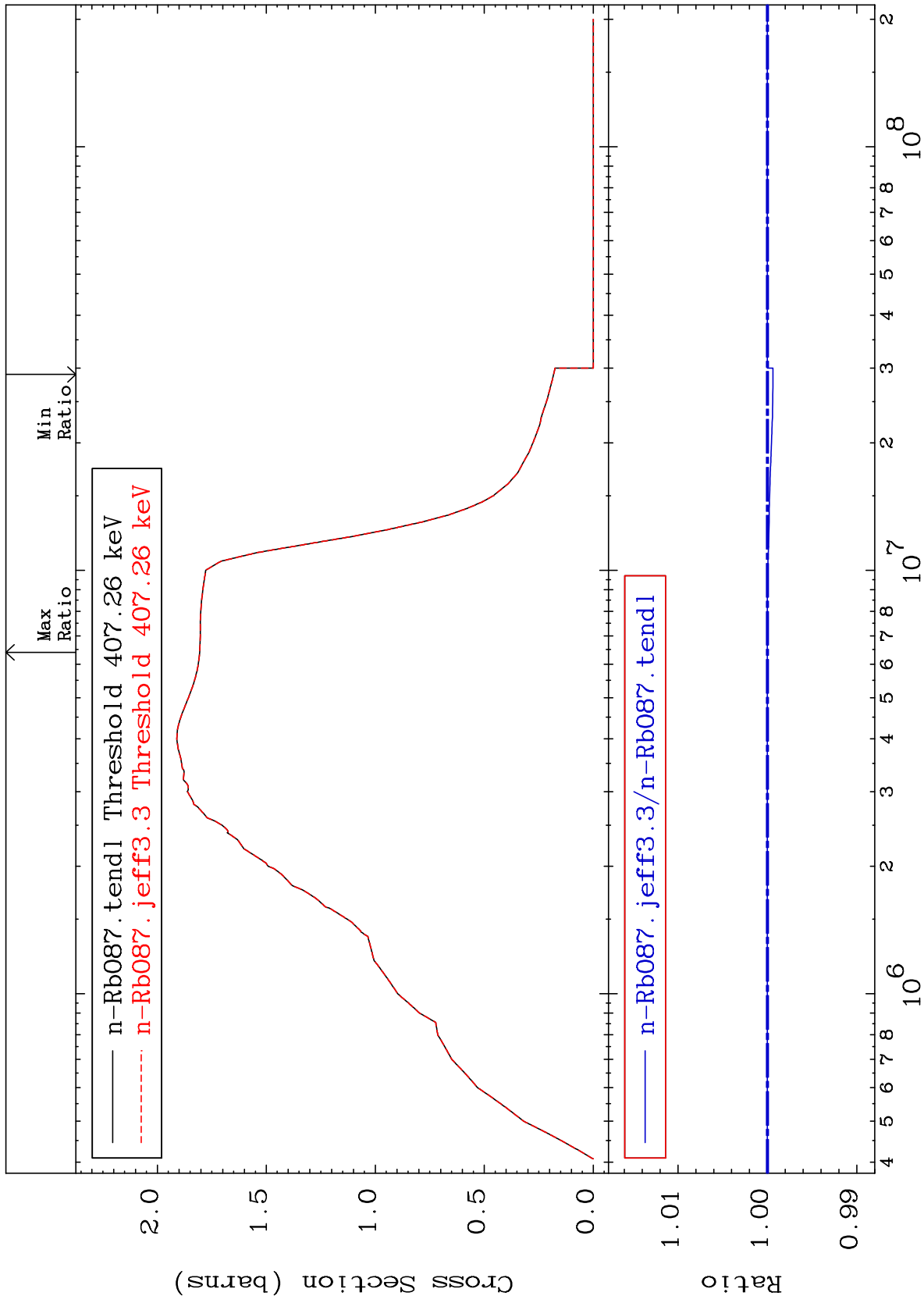
37-Rb-87

MAT 3731

<sup>37</sup>Rb-87

Inelastic  
Cross Section

-0.062 To 0.000 %



3

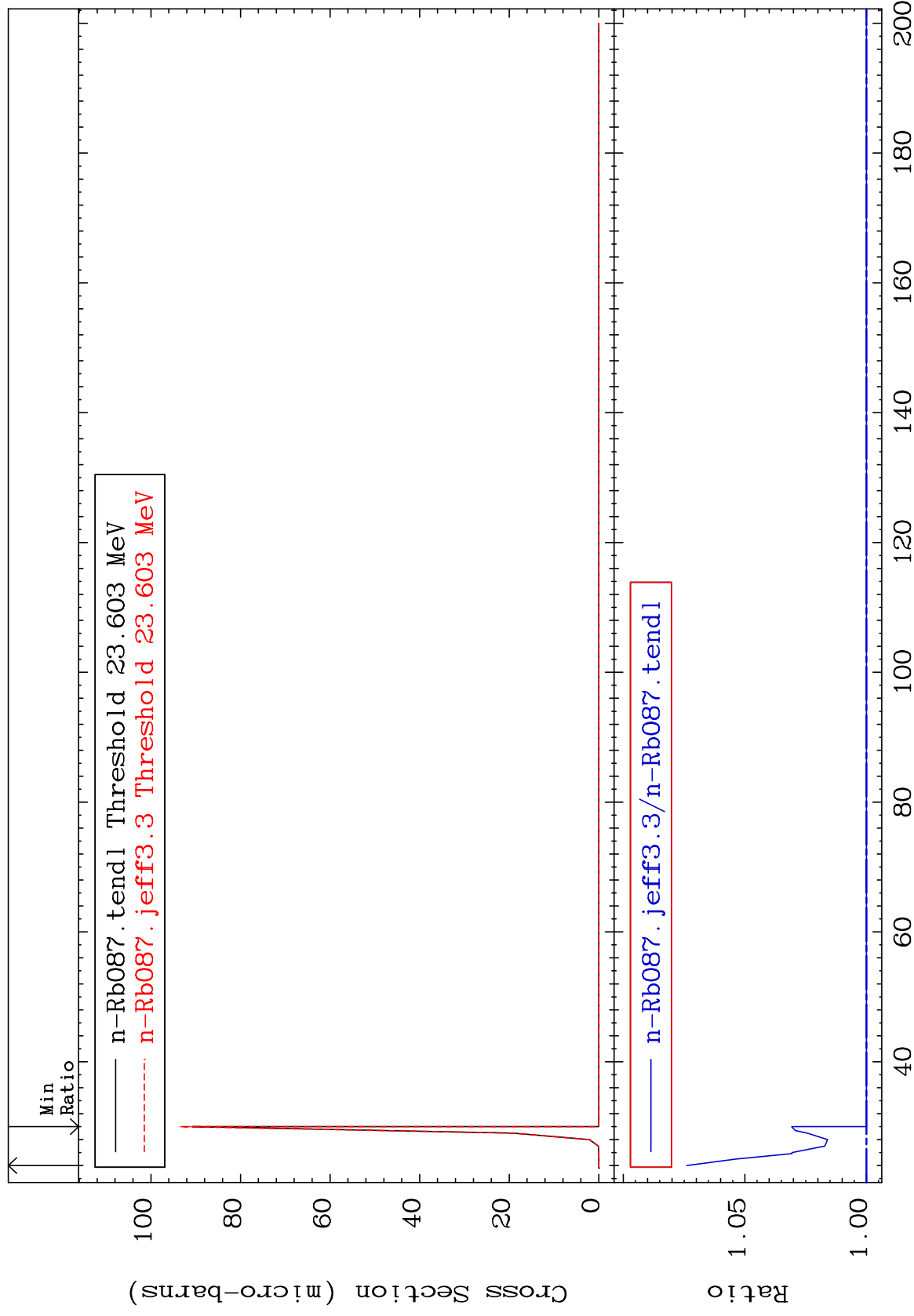
Incident Energy (eV)

<sup>37</sup>Rb-87

MAT 3731

(n,2n) d  
Cross Section

37-Rb-87  
0.000 To 7.392 %



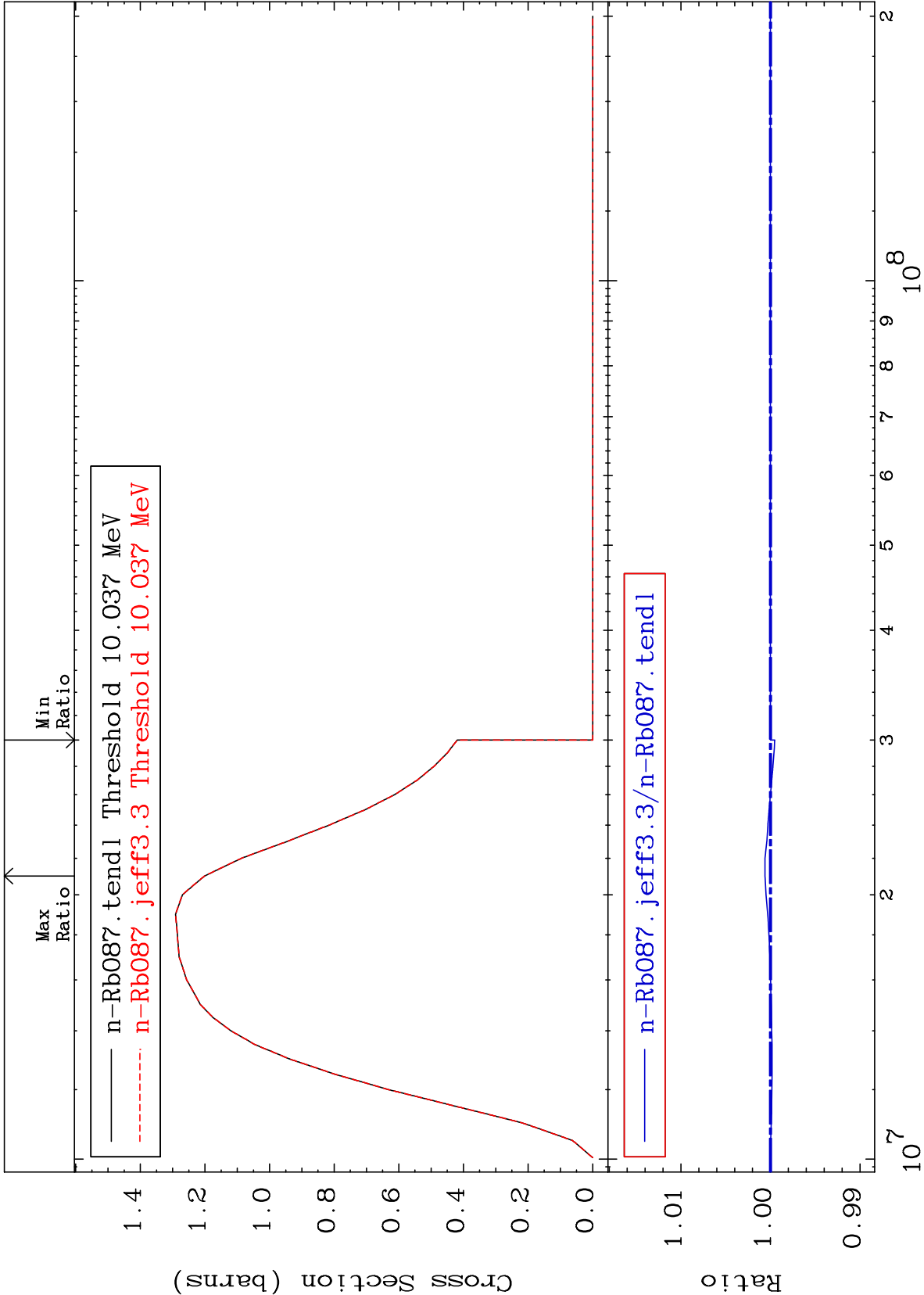
MAT 3731

(n,2n)

<sup>37</sup>Rb-87

Cross Section

-0.048 To 0.061 %



Incident Energy (eV)

<sup>37</sup>Rb-87

MAT 3731

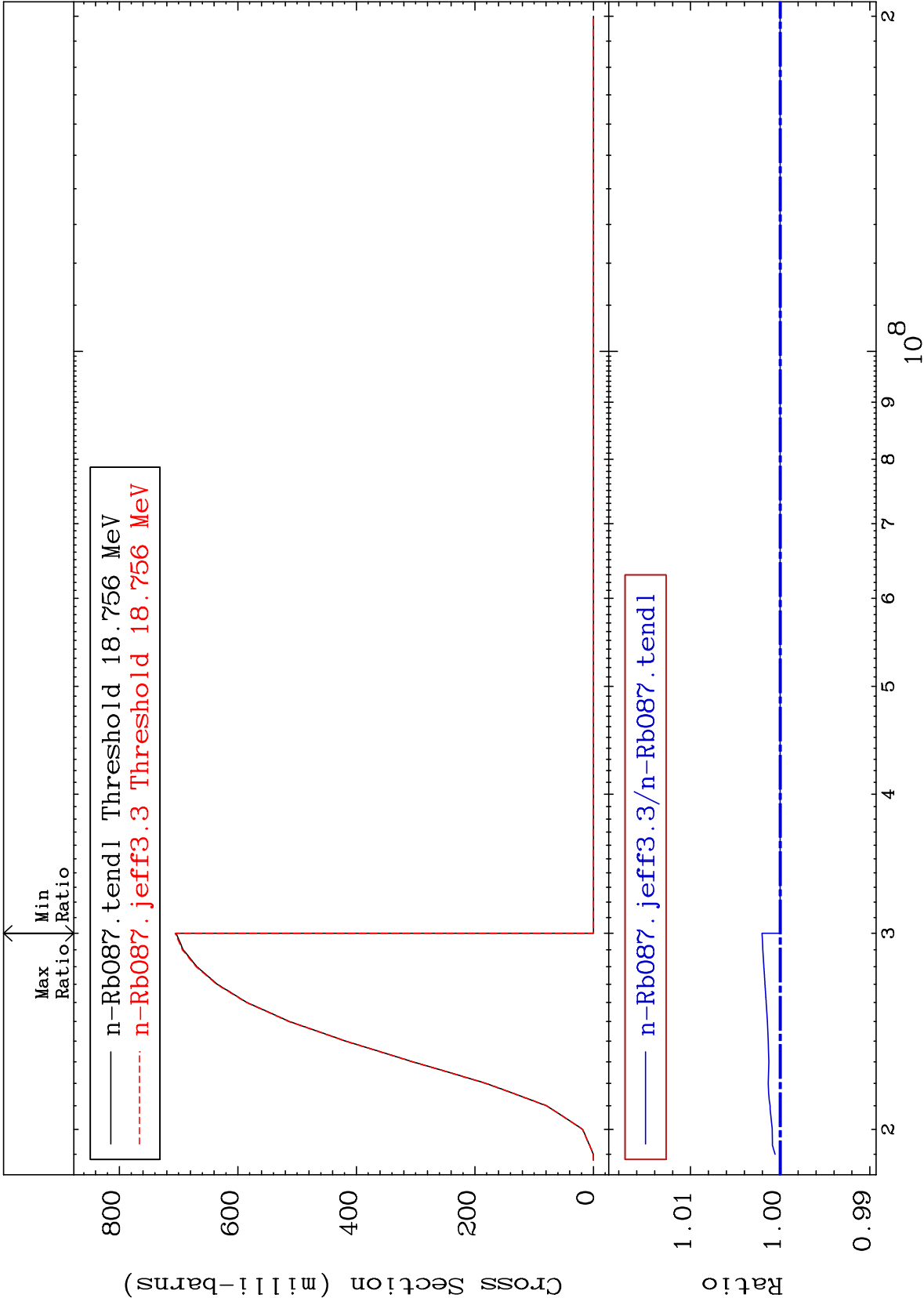
(n,3n)

<sup>37</sup>Rb-<sup>87</sup>

Cross Section

0.000

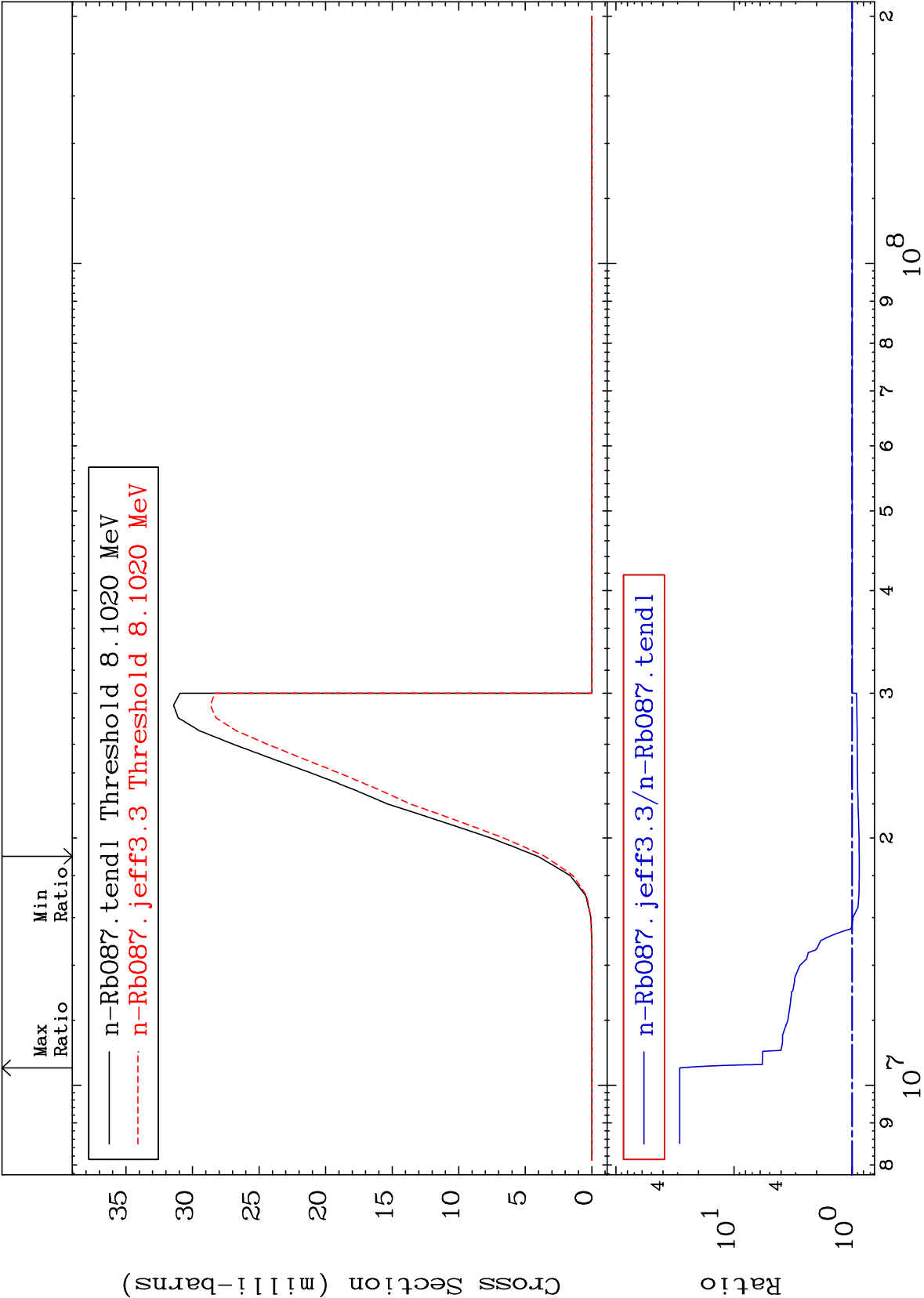
To 0.204 %



MAT 3731

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

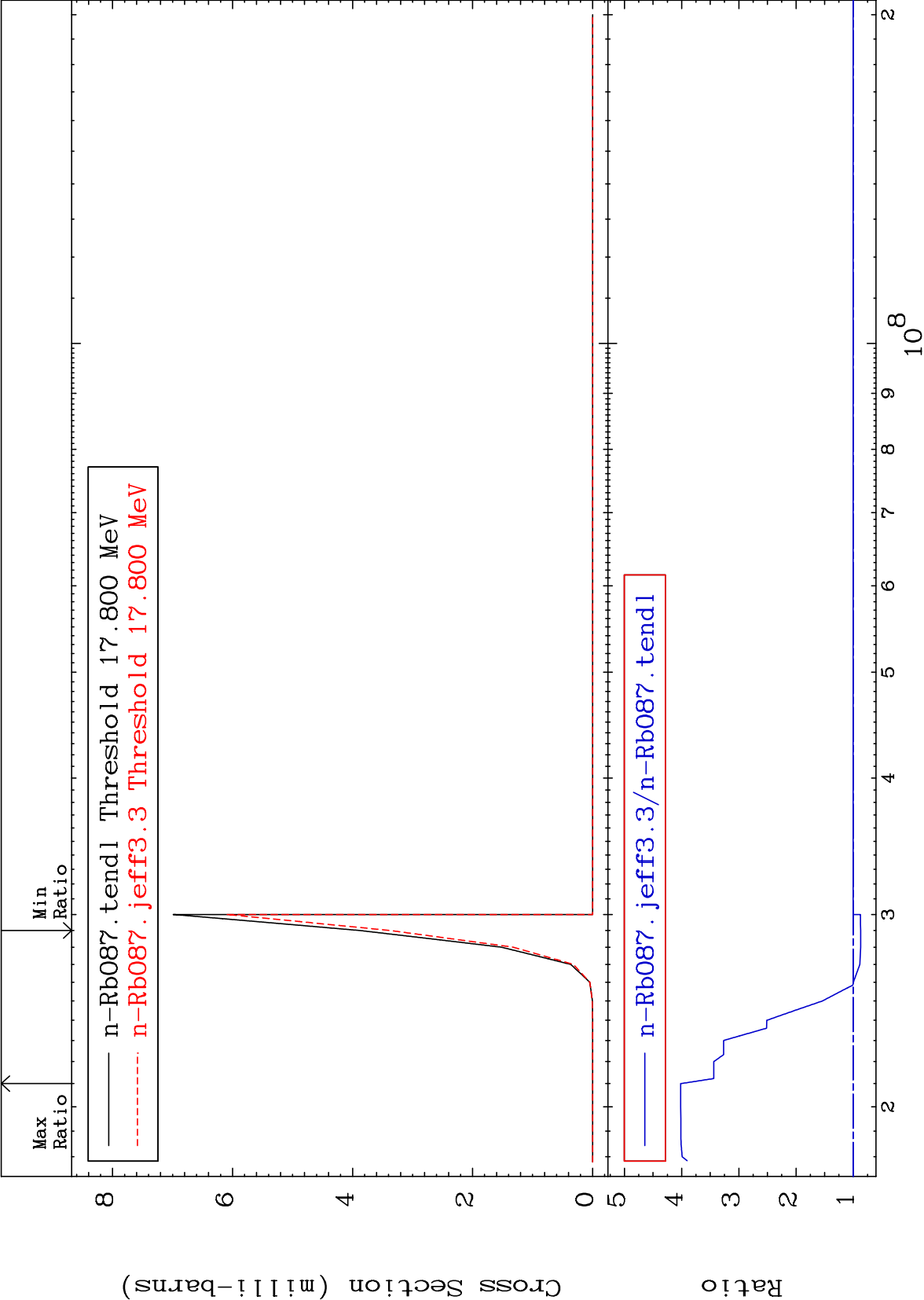
$^{37}\text{Rb-87}$   
-13.07 To 2782. %



MAT 3731

(n,2n)  $\alpha$   
Cross Section

$^{37}\text{Rb-87}$   
-13.03 To 301.7 %

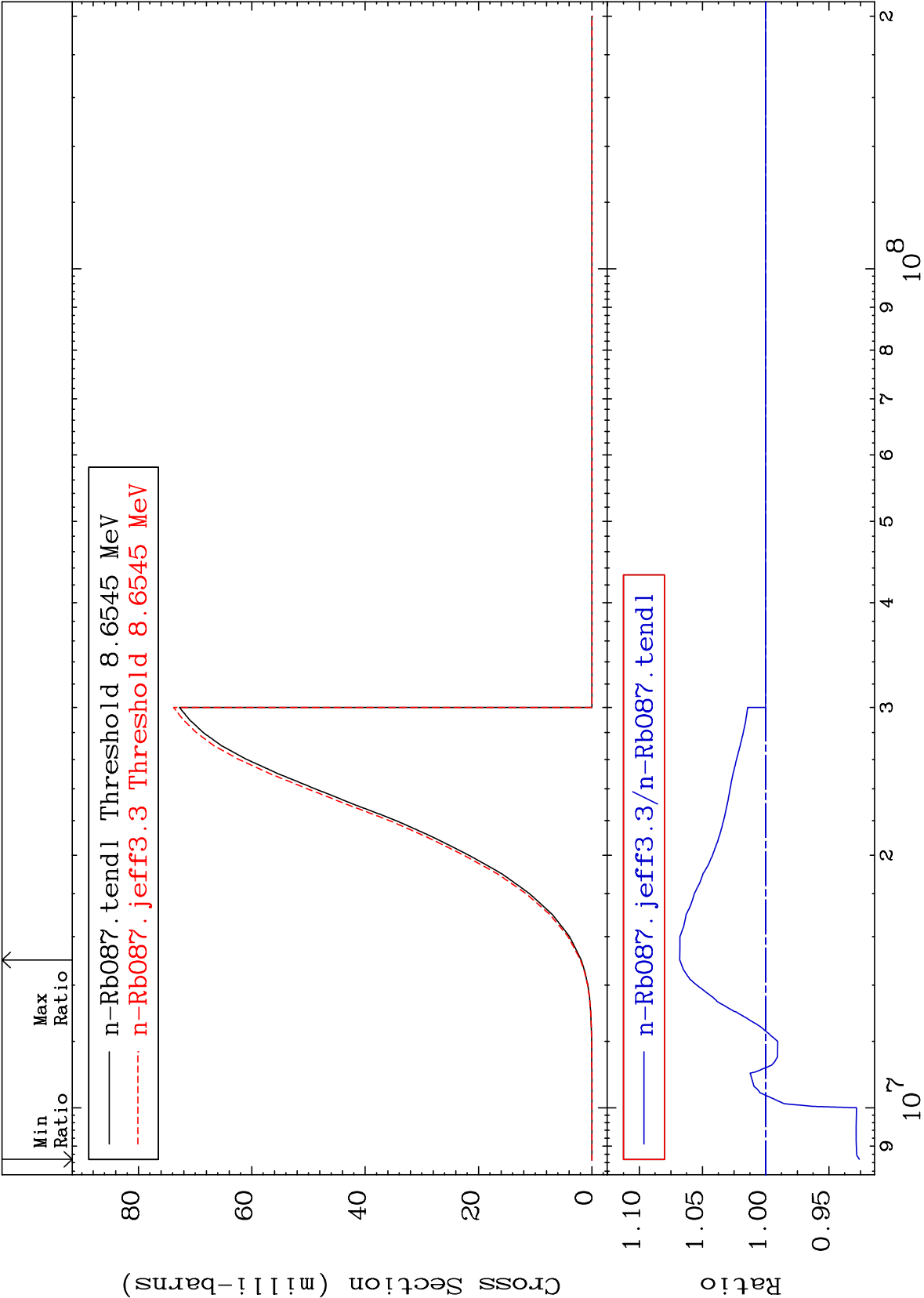




MAT 3731

(n,n') p  
Cross Section

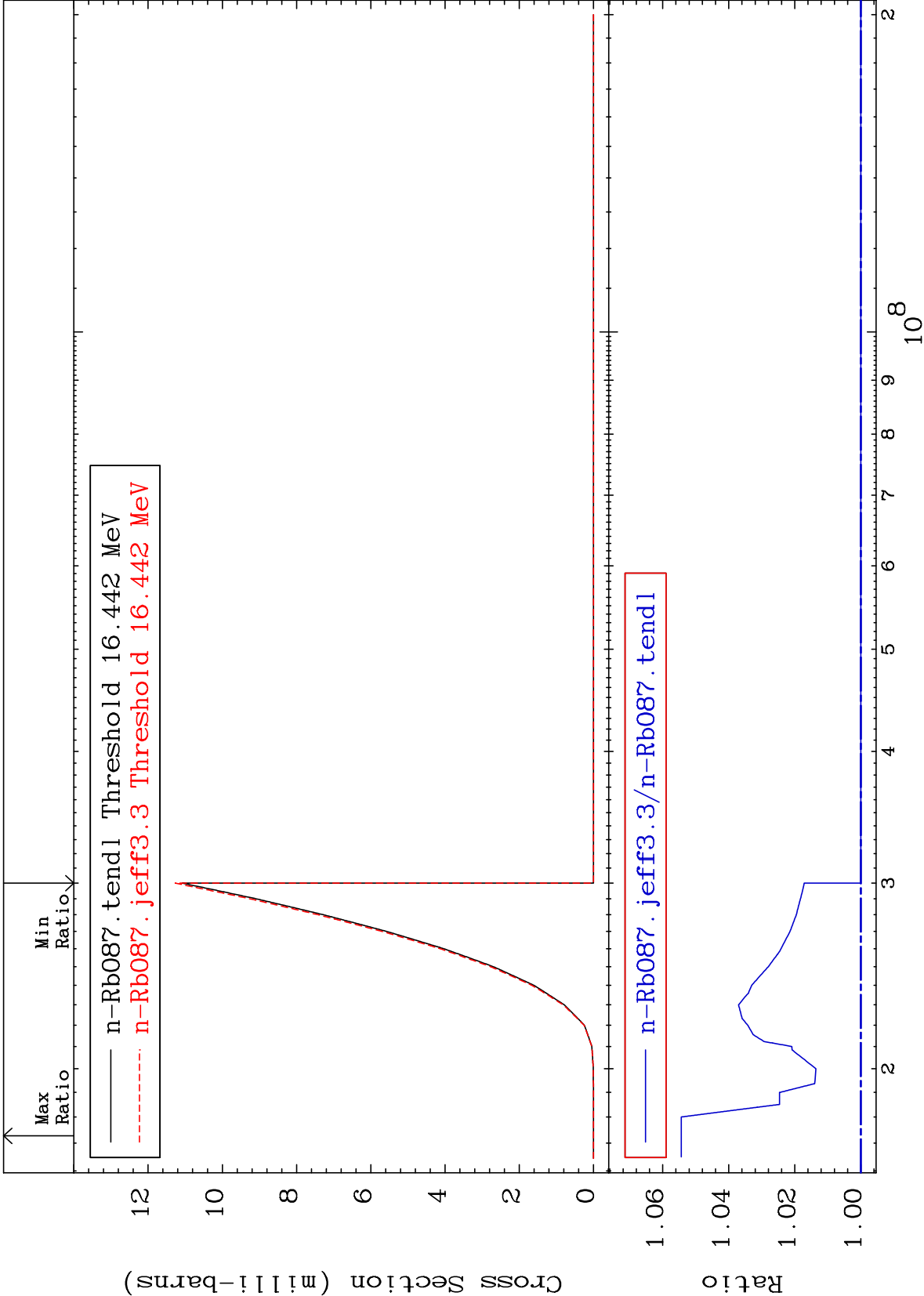
<sup>37</sup>Rb-87  
-7.402 To 6.799 %

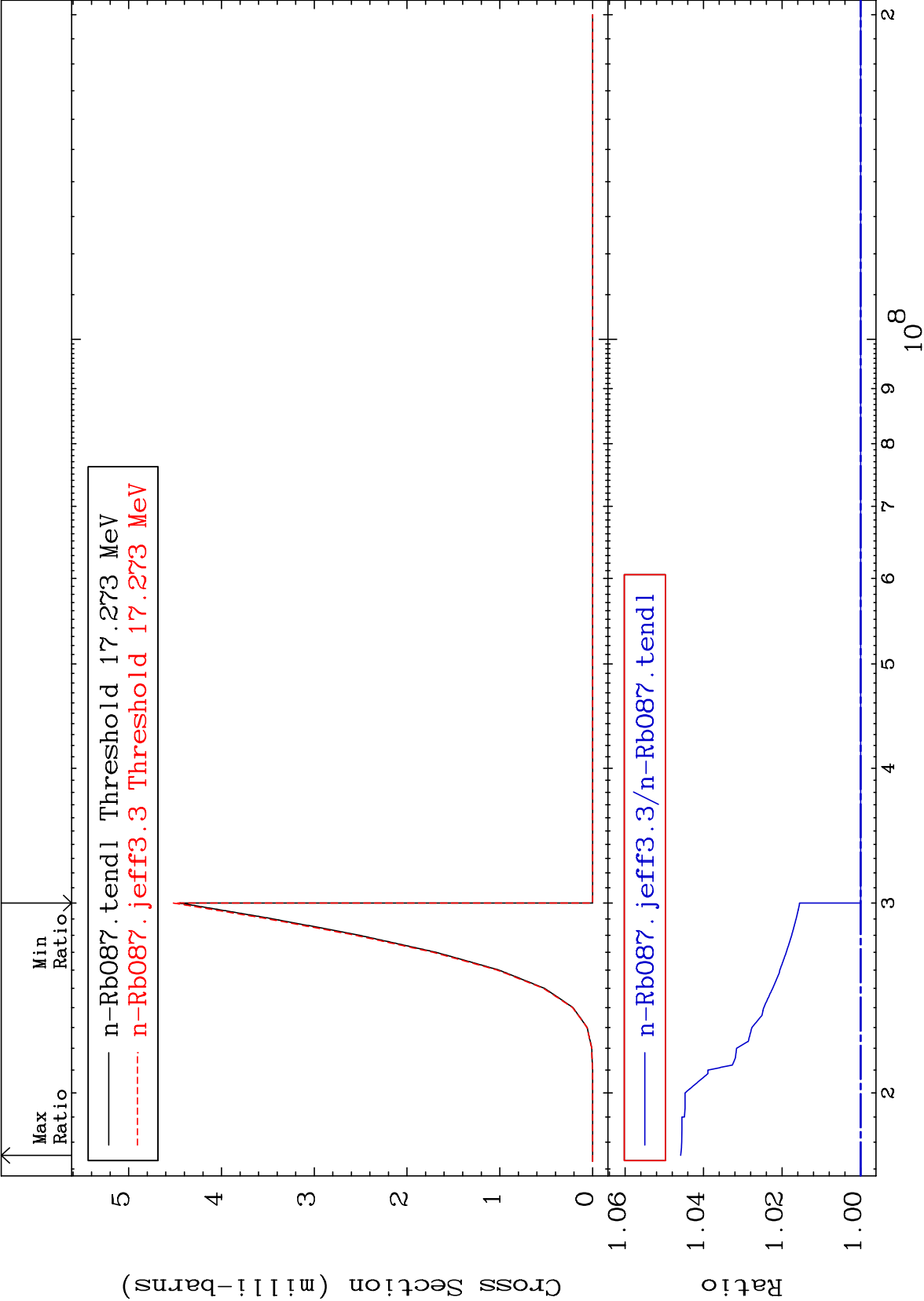


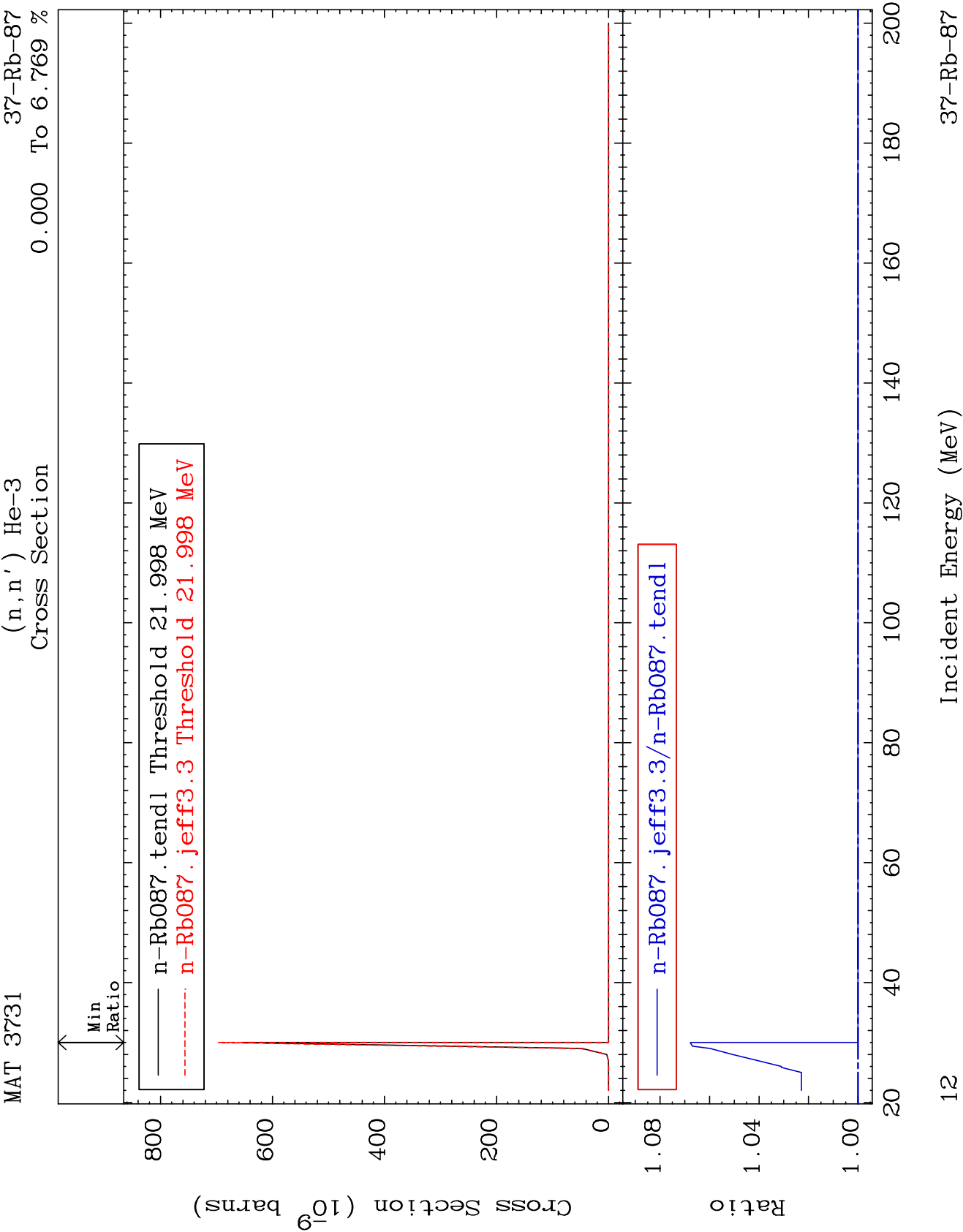
Cross Section

0.000

To 5.437 %







MAT 3731

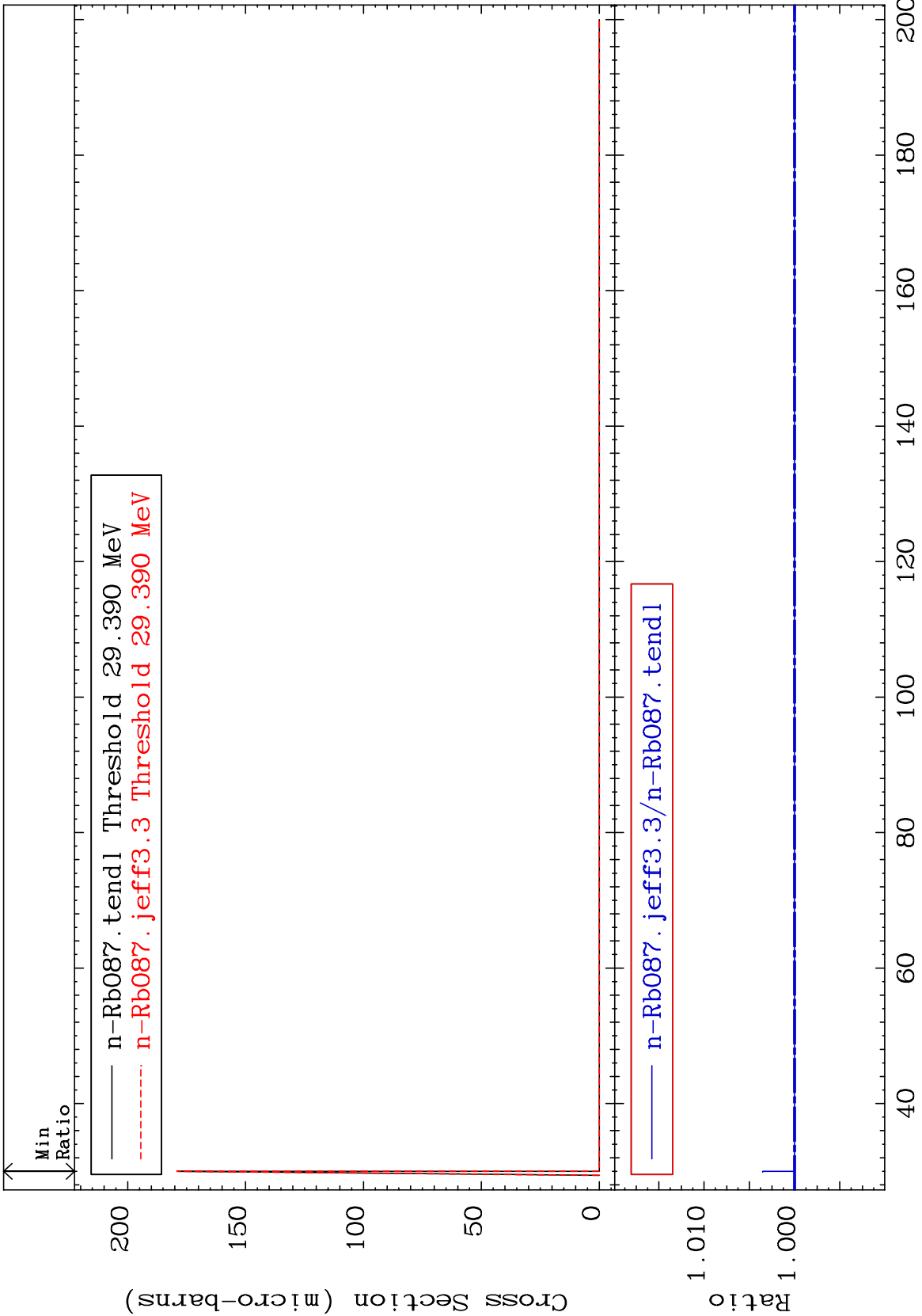
(n,4n)

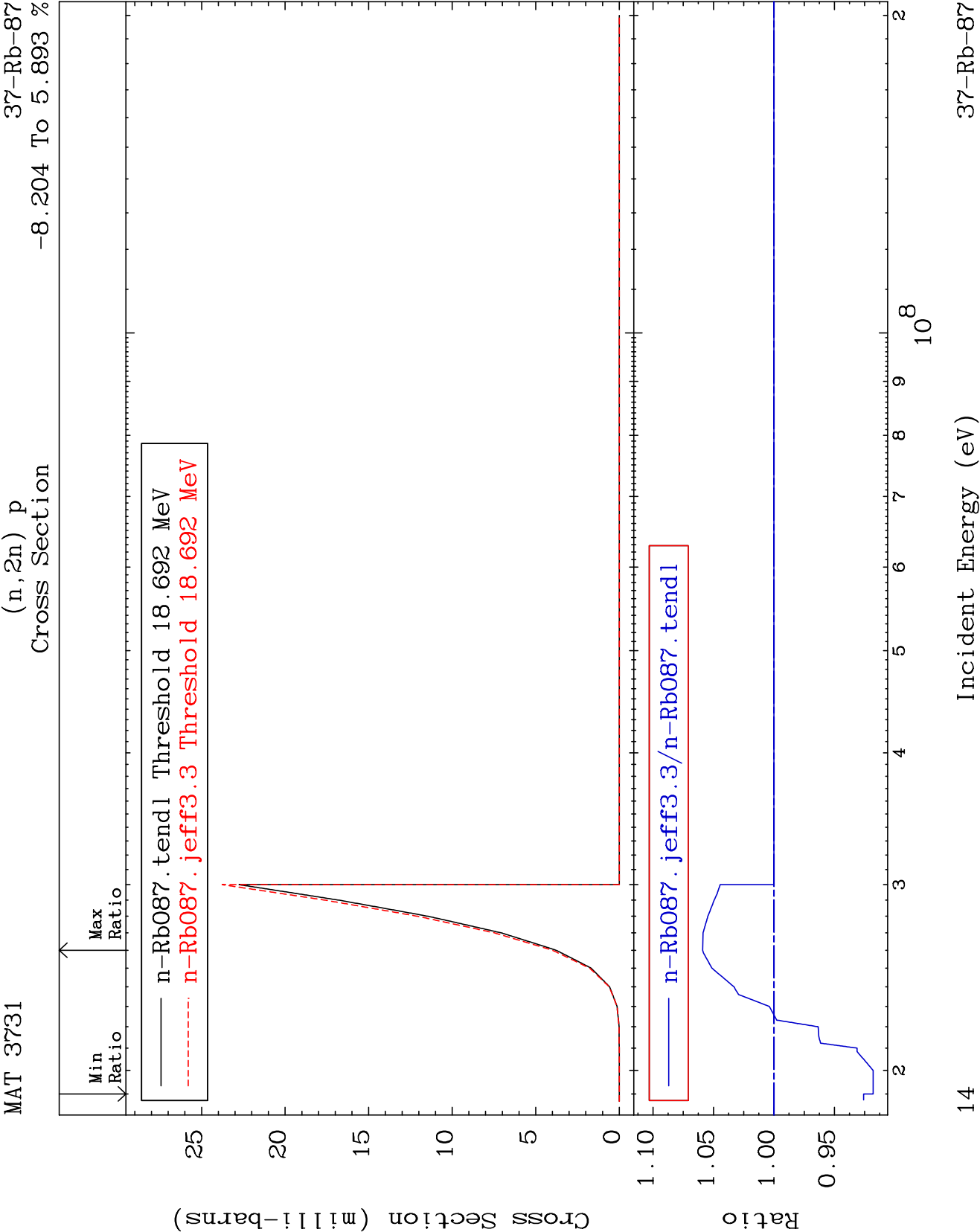
<sup>37</sup>Rb-87

Cross Section

0.000

To 0.352 %

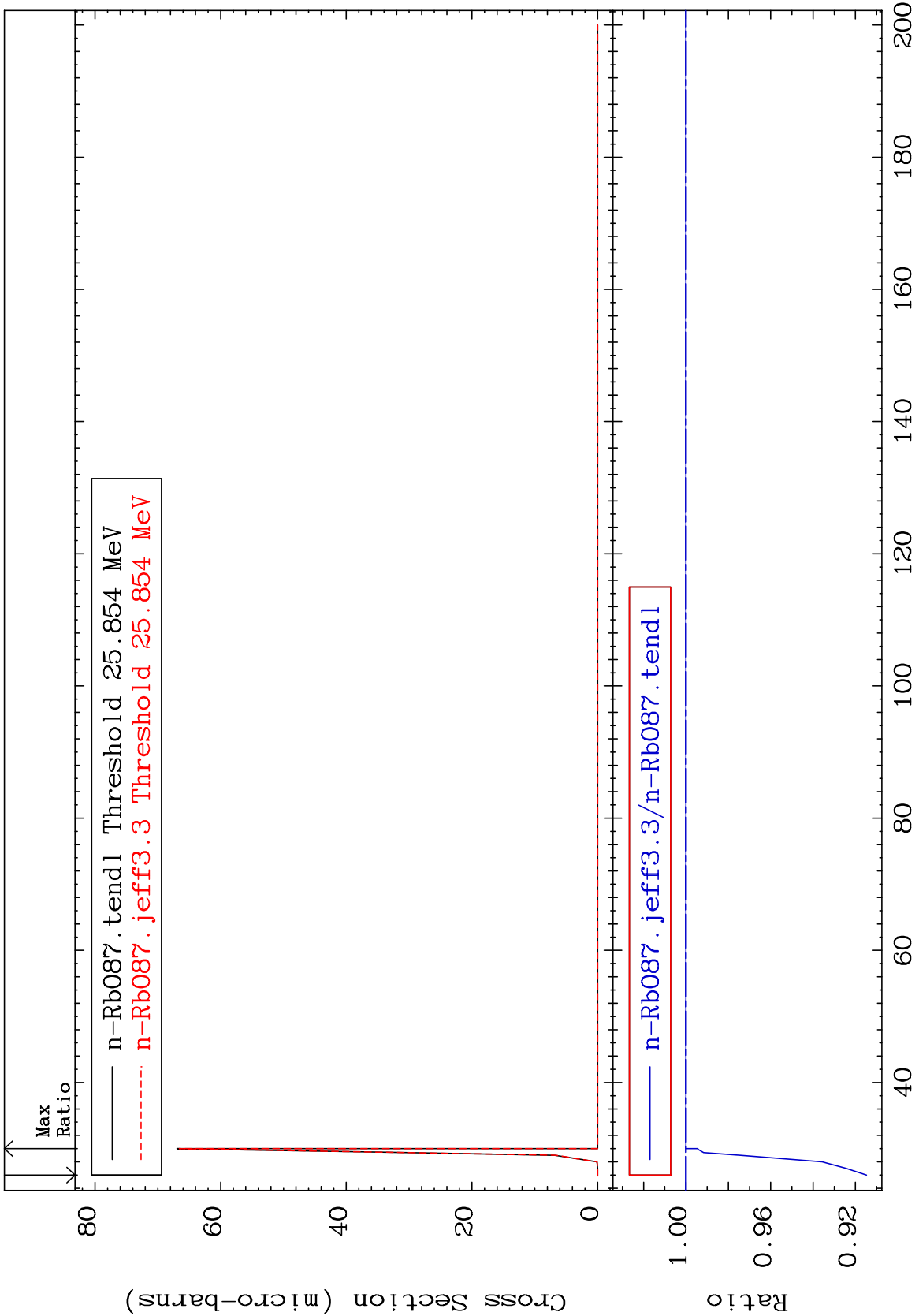




MAT 3731

(n,3n) p  
Cross Section

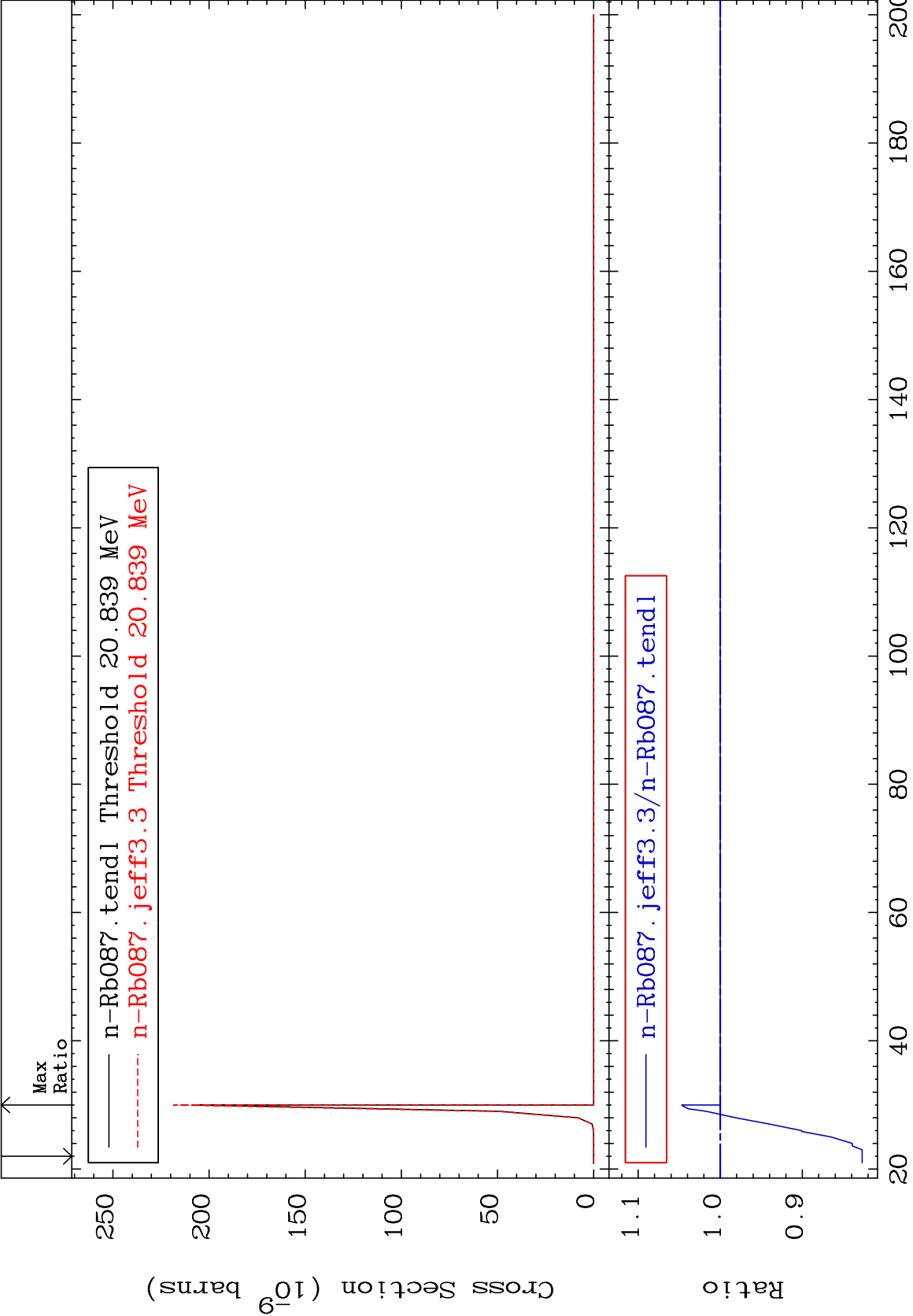
<sup>37</sup>Rb-87  
-8.523 To 0.000 %



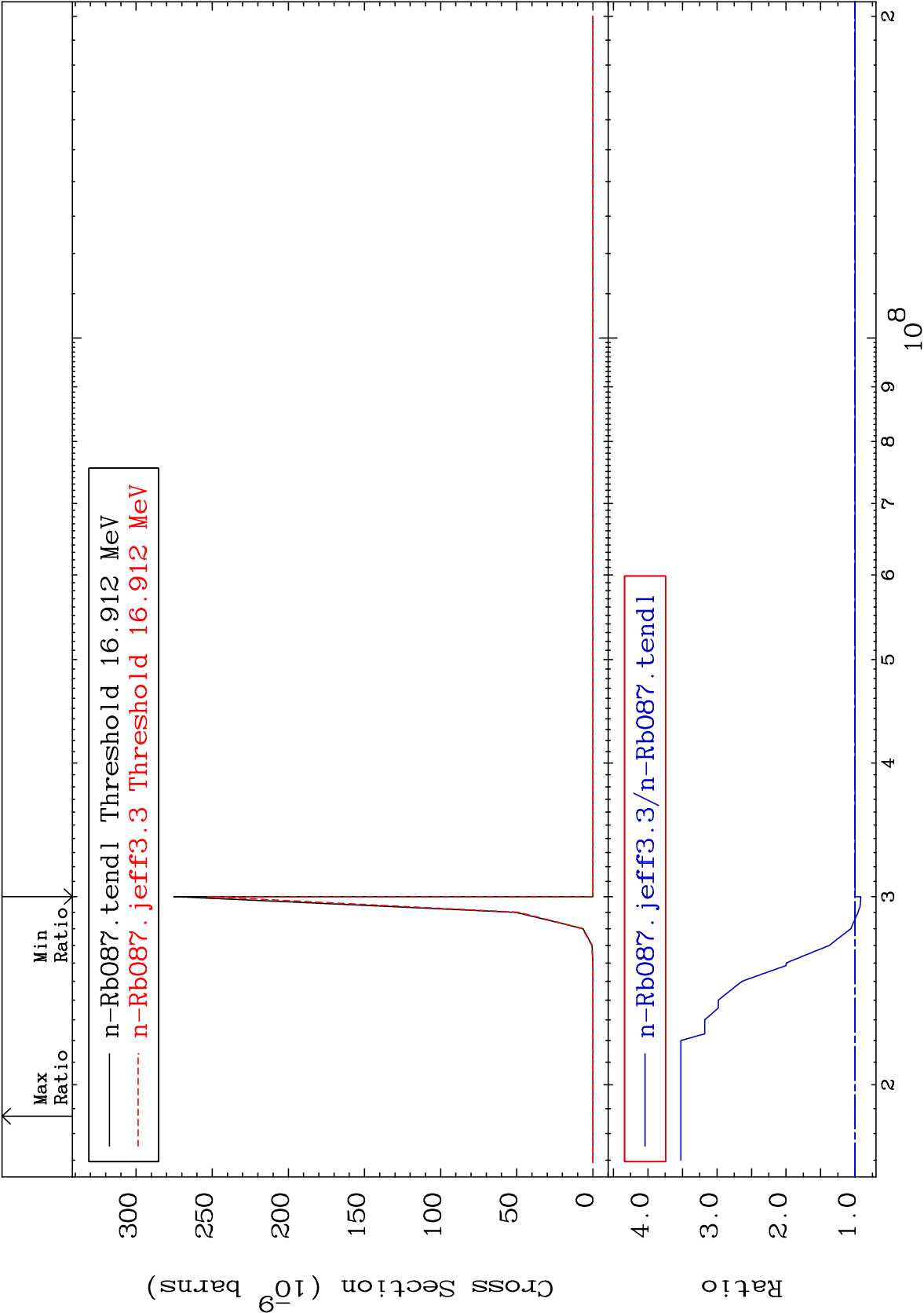
MAT 3731

(n,2n) p  
Cross Section

<sup>37</sup>Rb-87  
-17.29 To 4.681 %







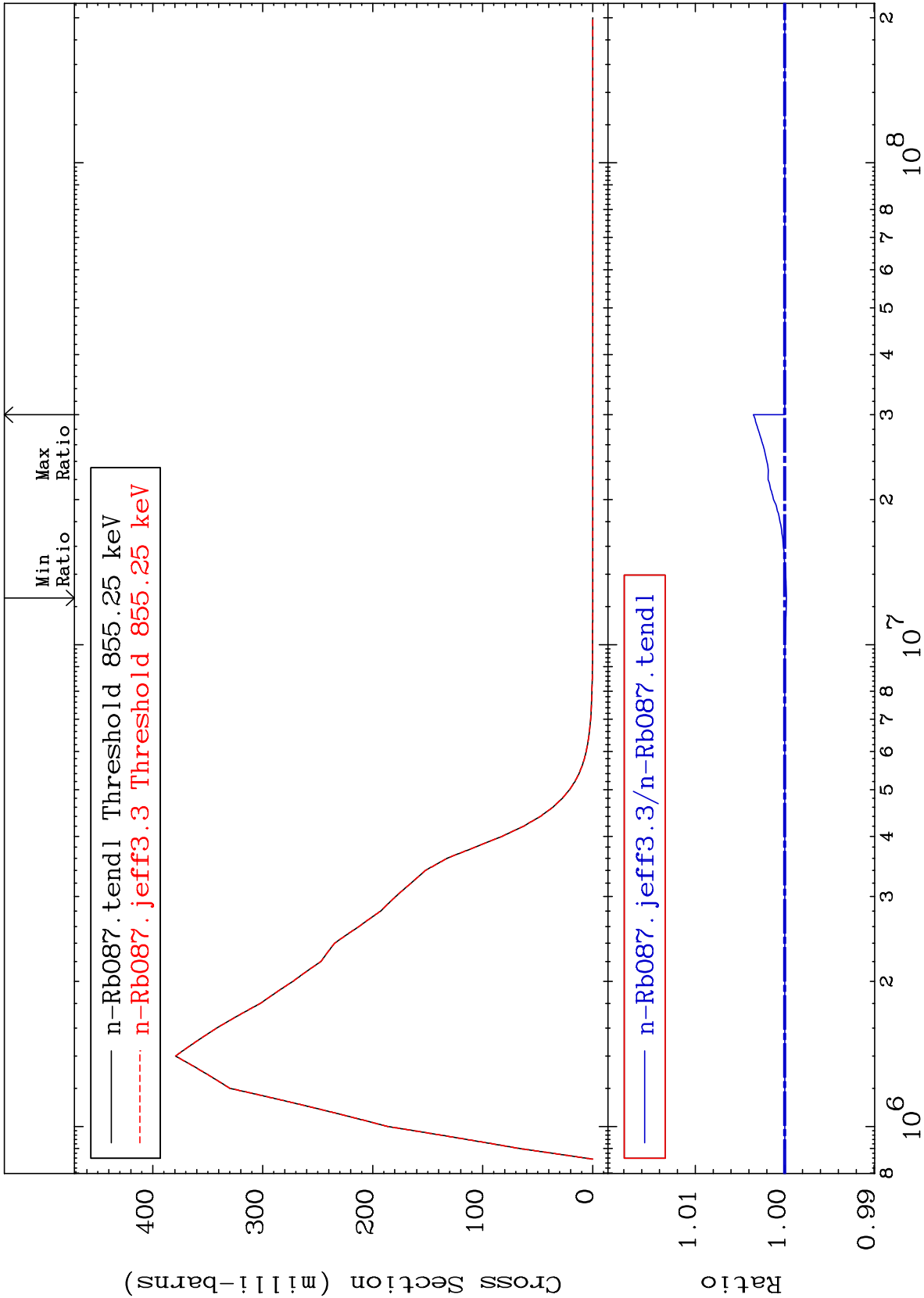
MAT 3731

MT= 52 (n,n') Level

<sup>37</sup>Rb-87

-0.019 To 0.350 %

Cross Section

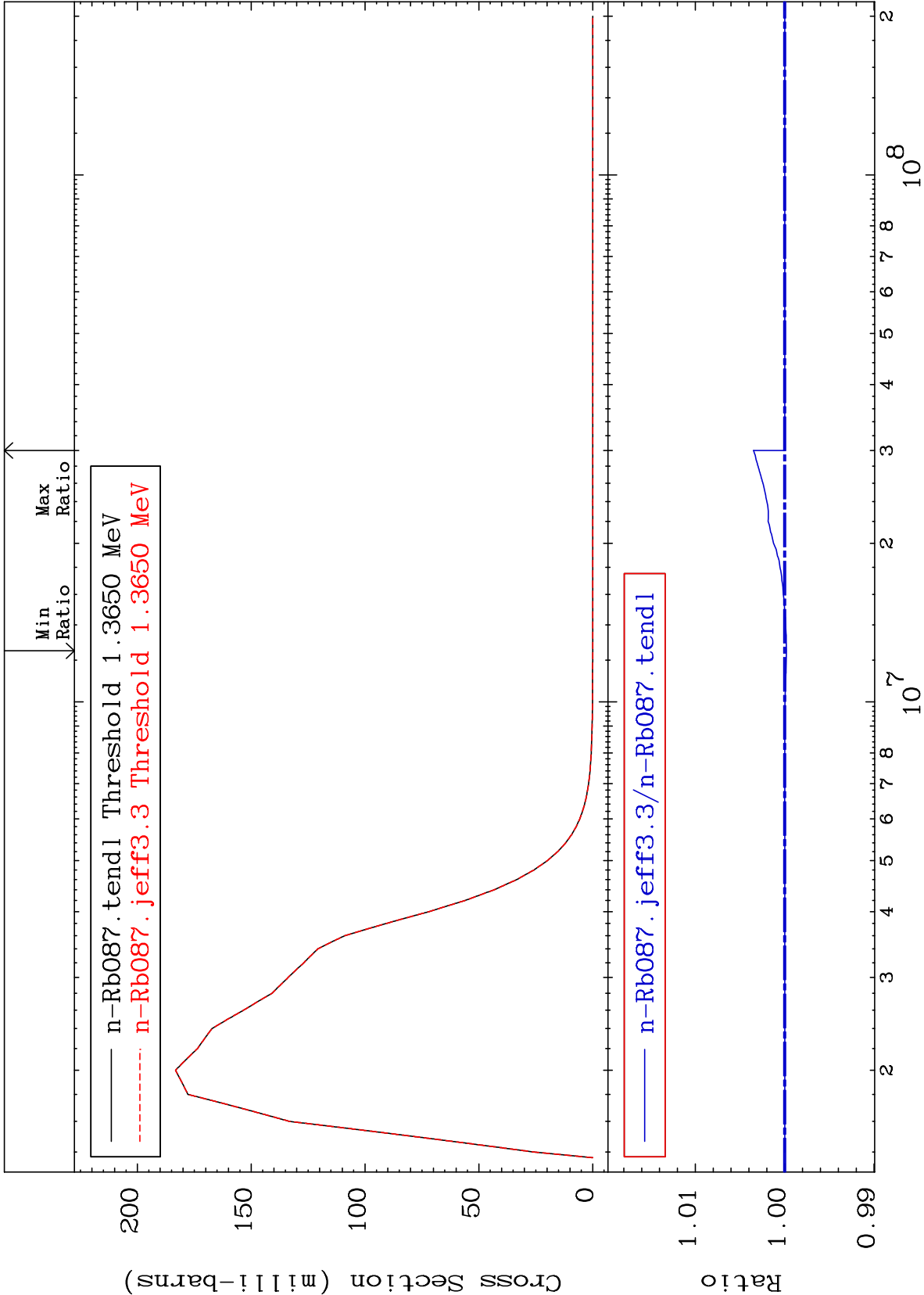


Incident Energy (eV)

<sup>37</sup>Rb-87

-0.019 To 0.350 %

Cross Section



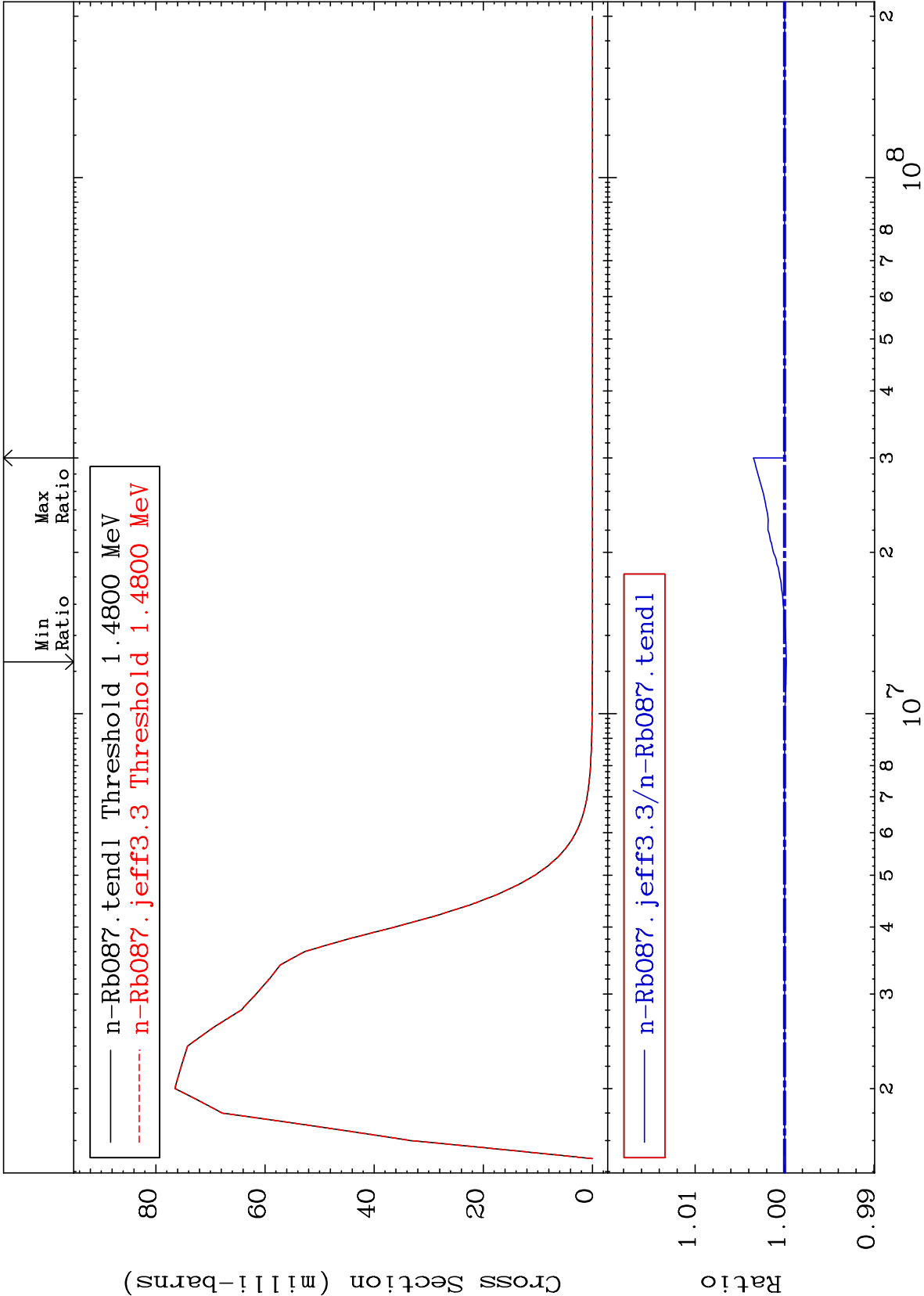
MAT 3731

MT= 55 (n,n') Level

<sup>37</sup>Rb-87

-0.019 To 0.350 %

Cross Section



20

Incident Energy (eV)

<sup>37</sup>Rb-87

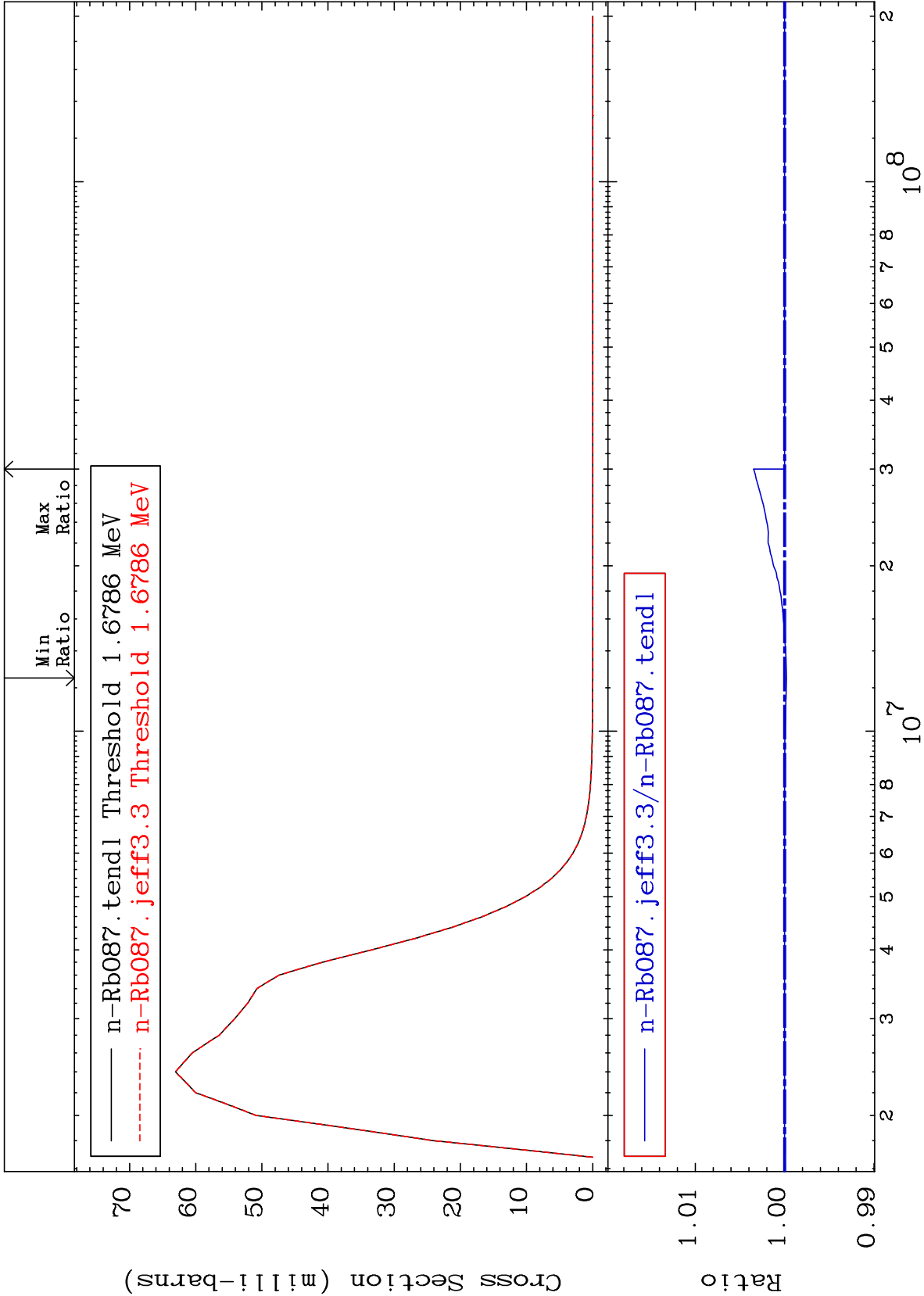
MAT 3731

MT= 57 (n,n') Level

<sup>37</sup>Rb-87

-0.019 To 0.349 %

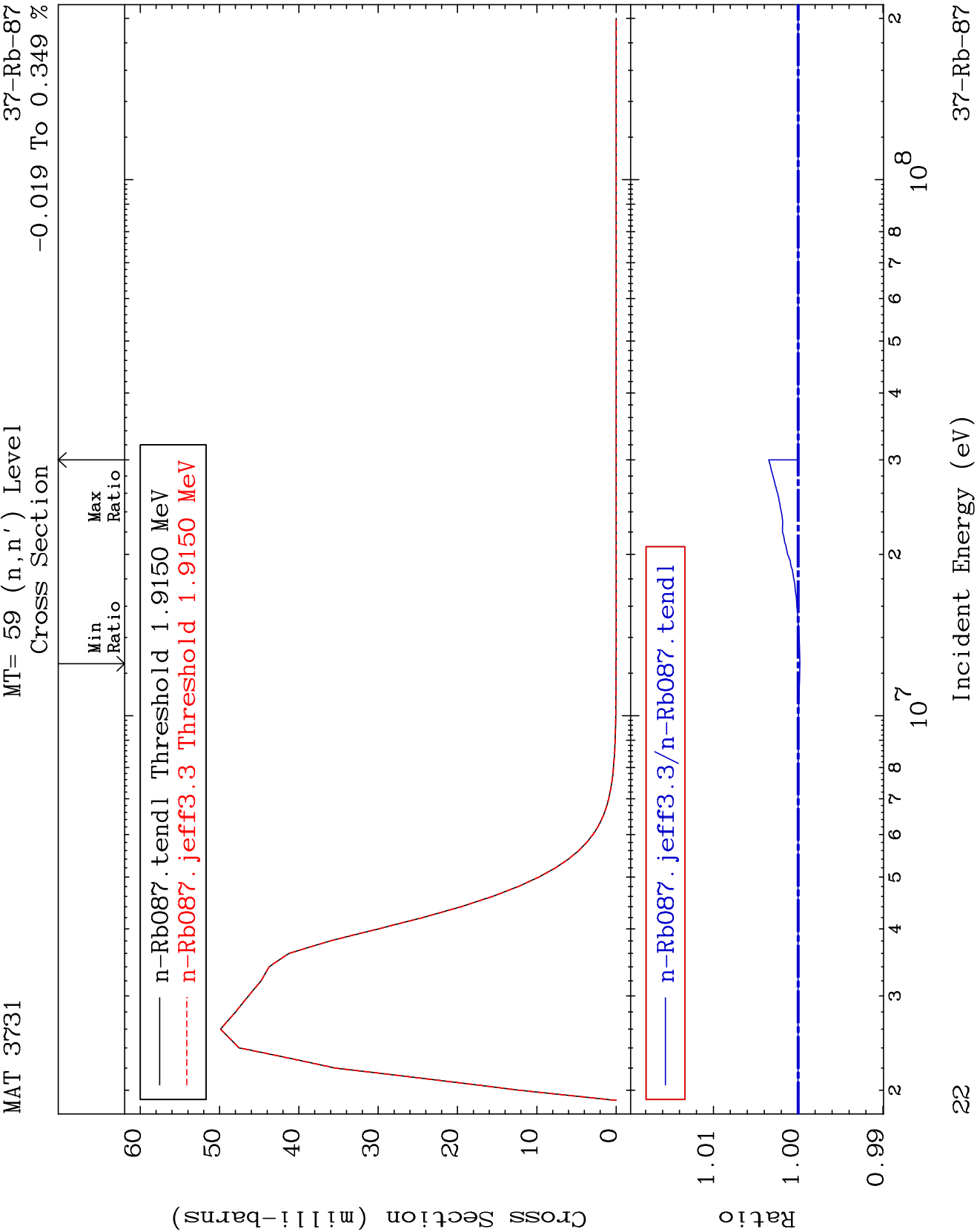
Cross Section

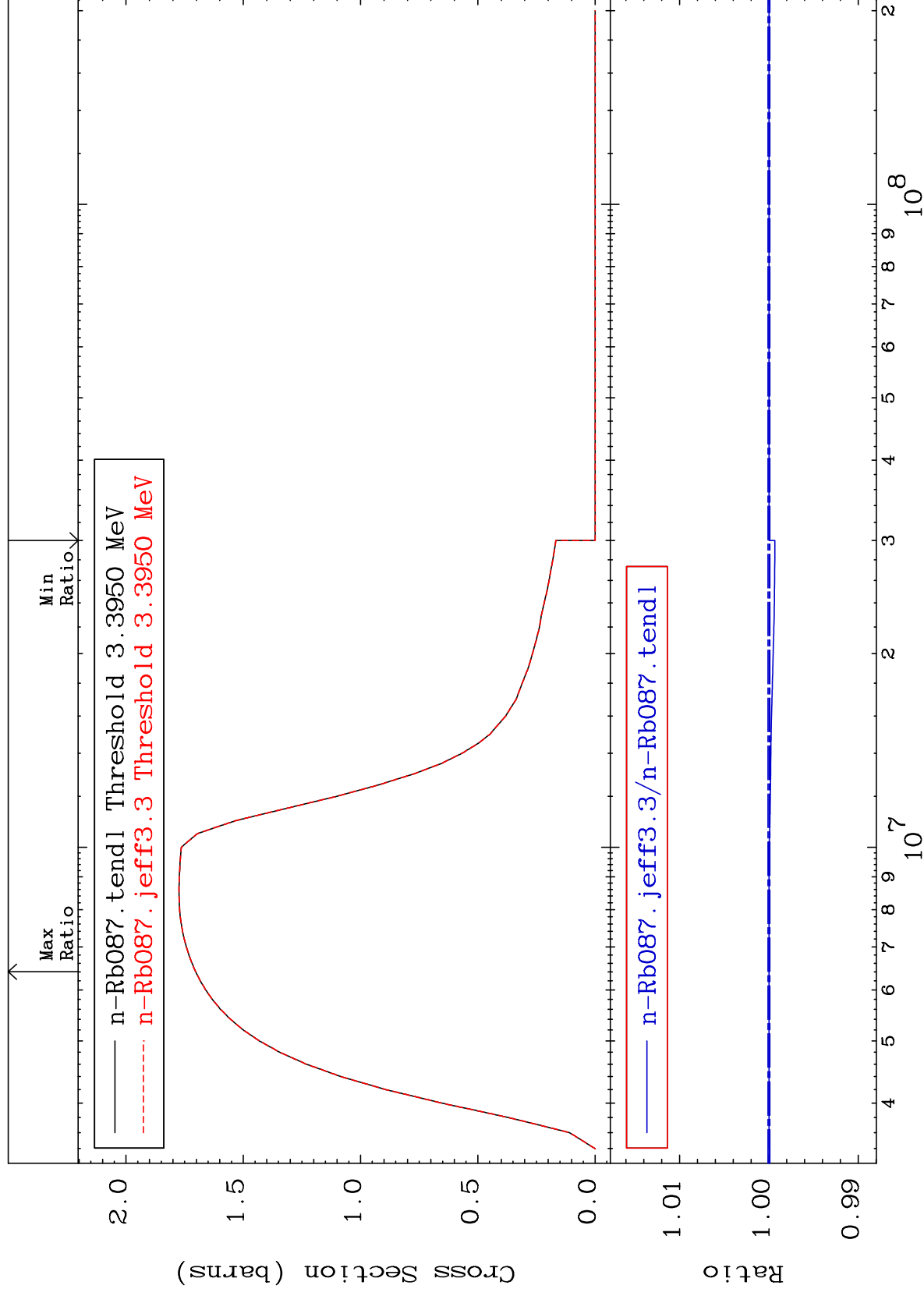


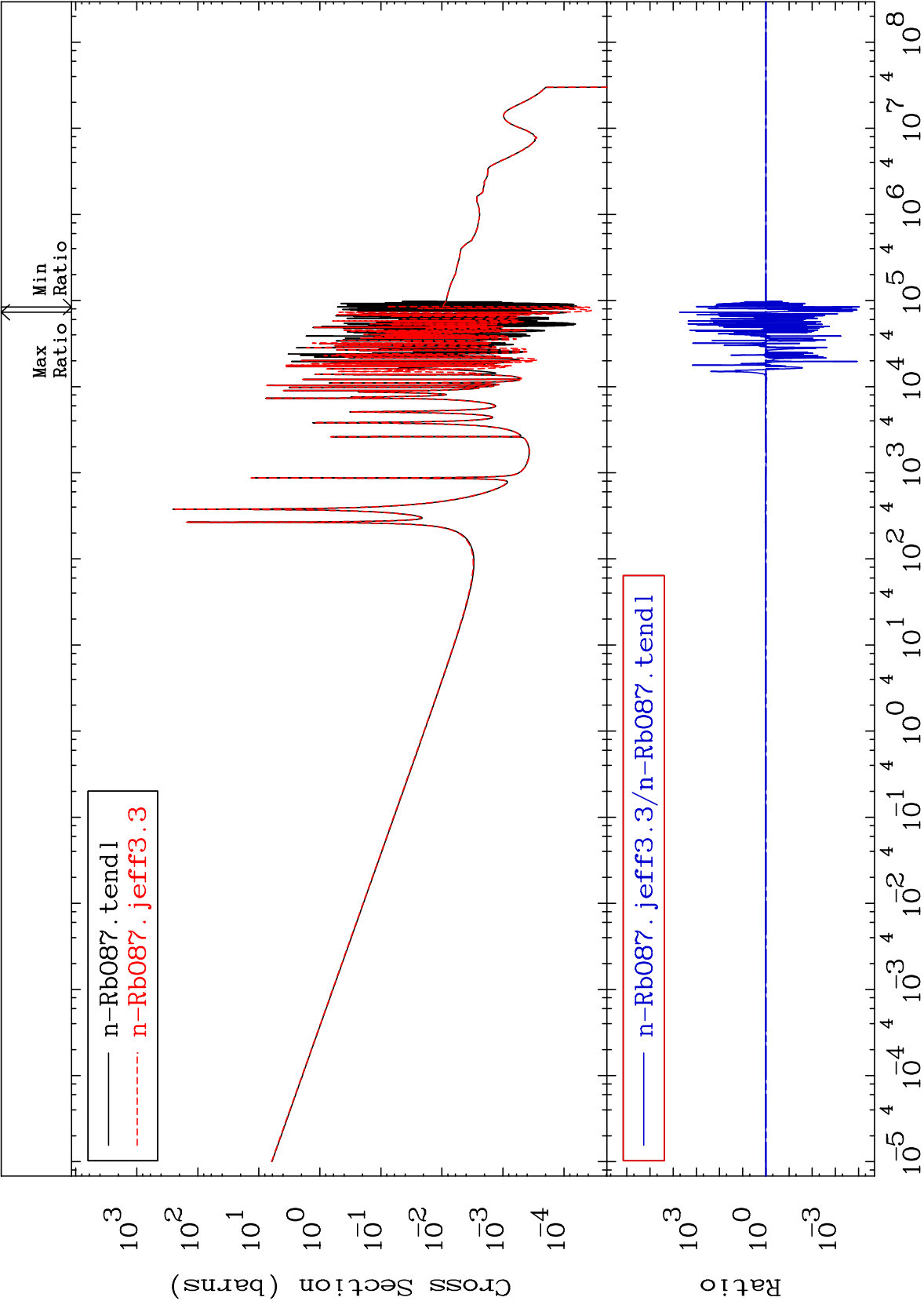
21

Incident Energy (eV)

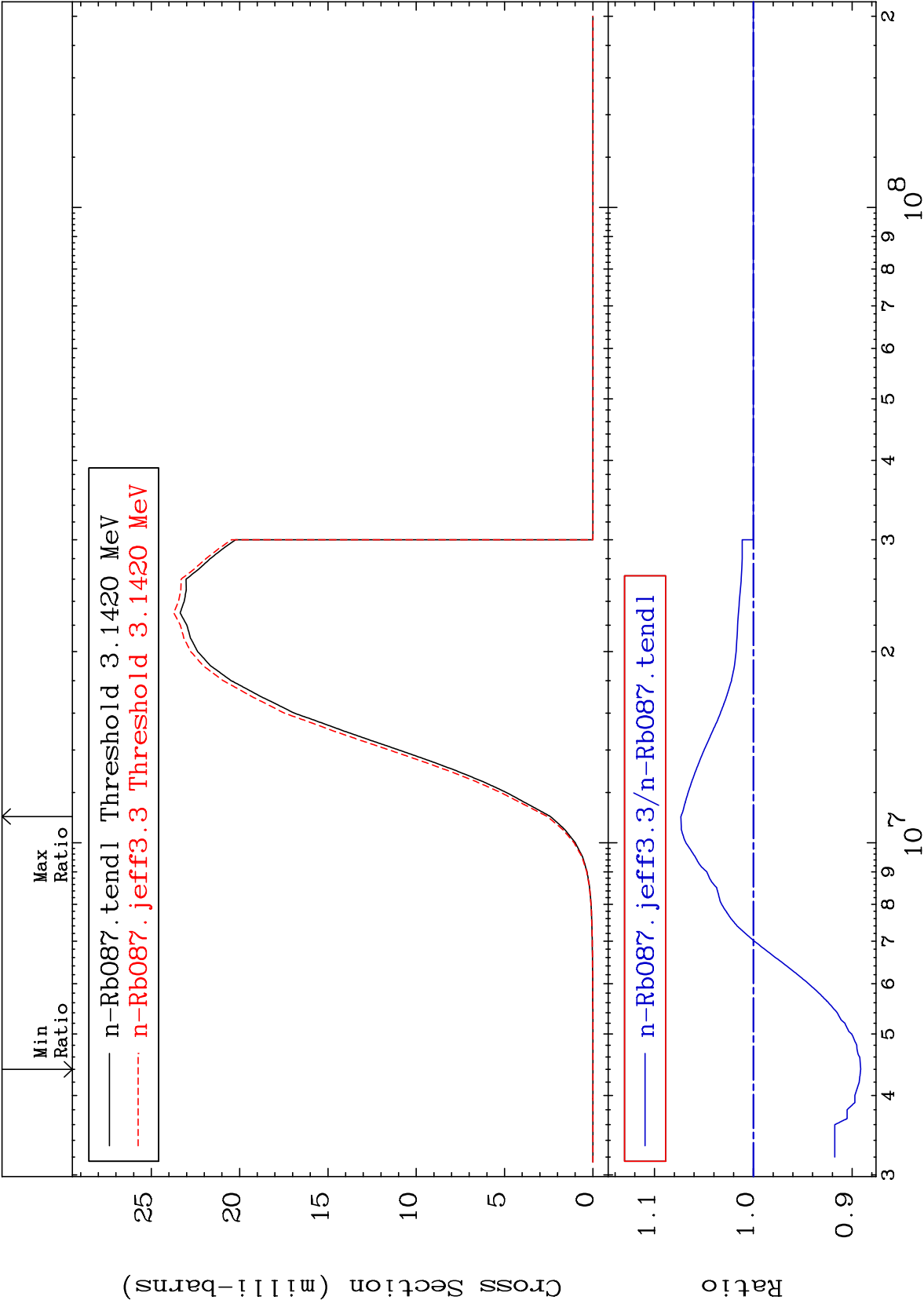
<sup>37</sup>Rb-87

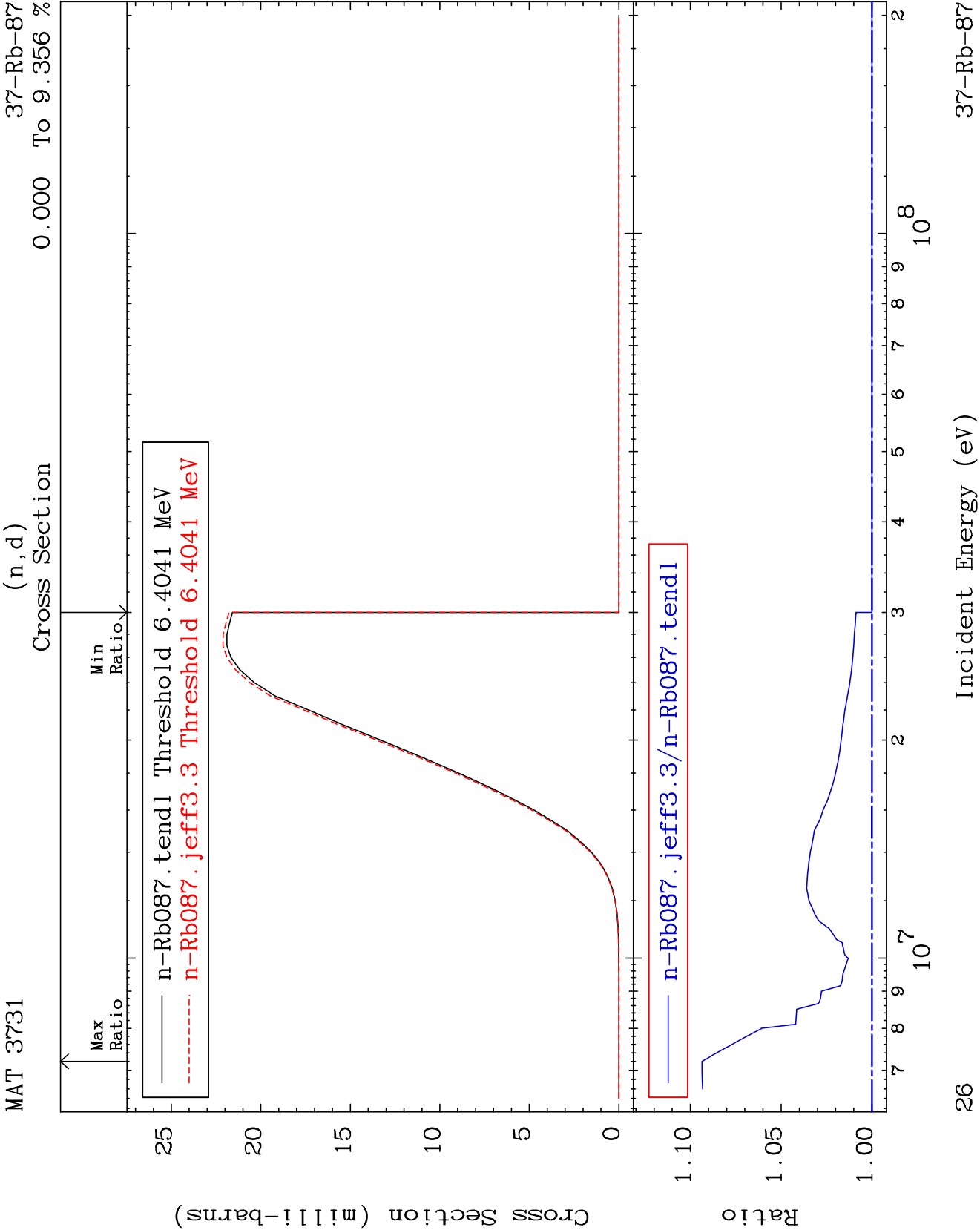


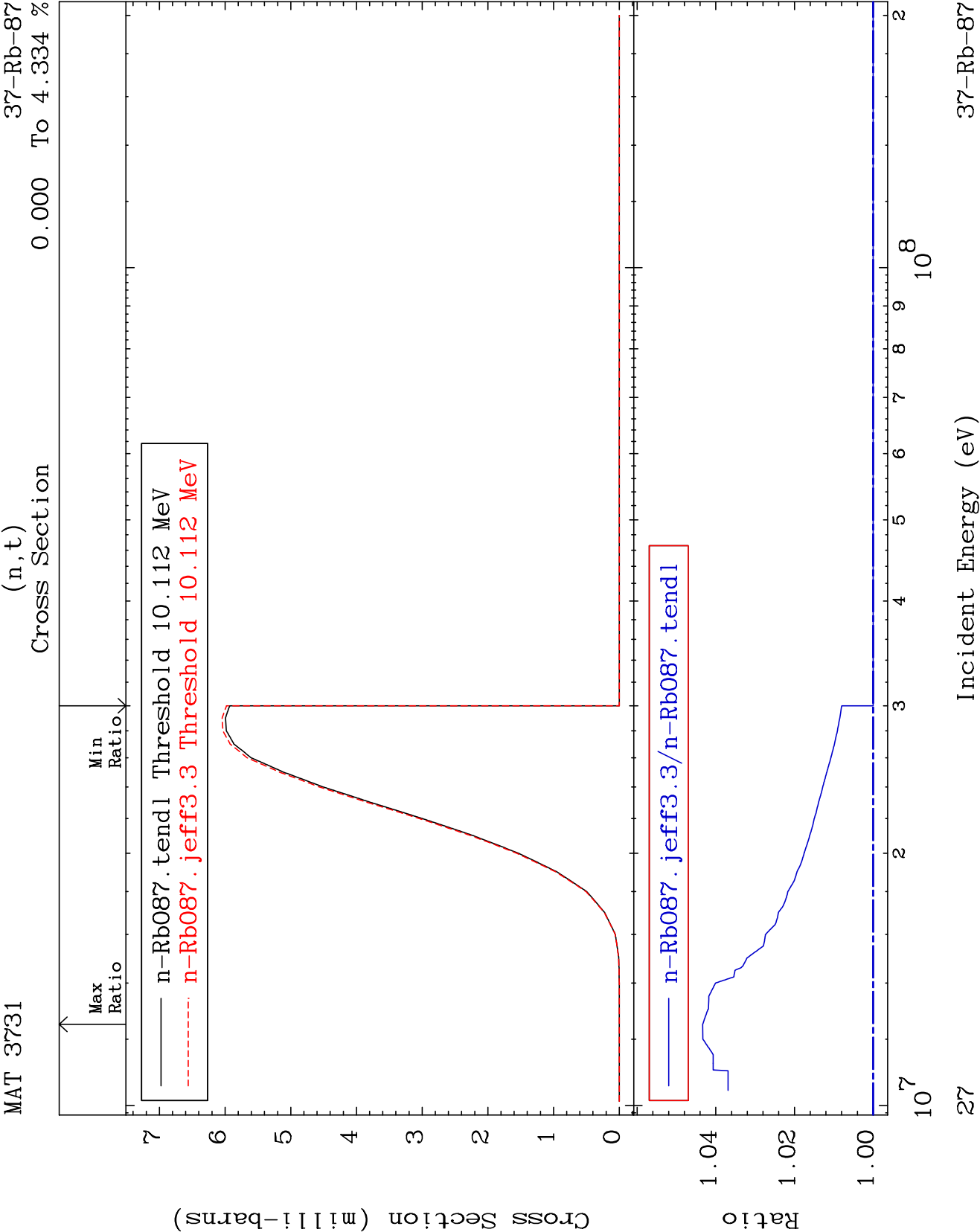


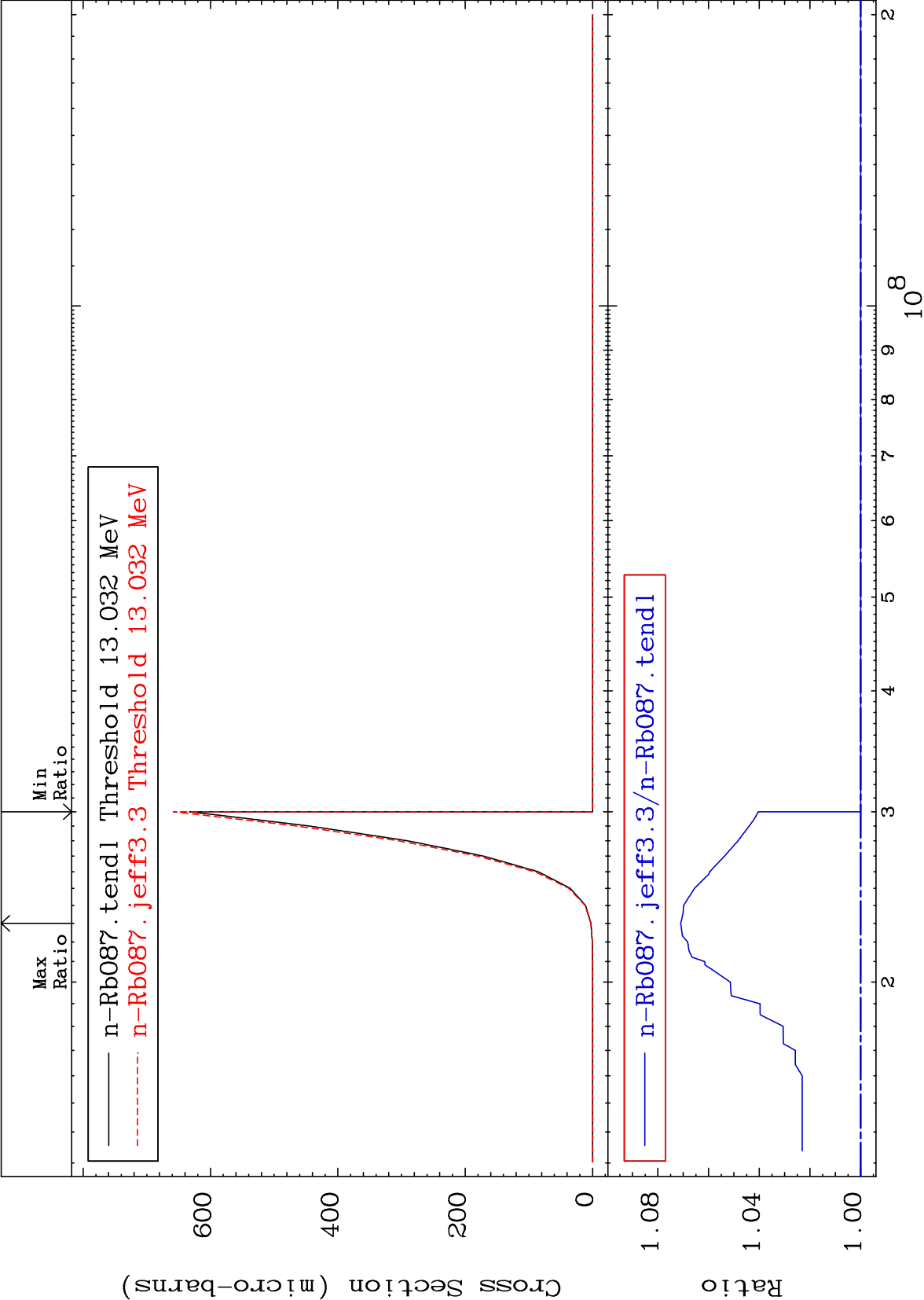






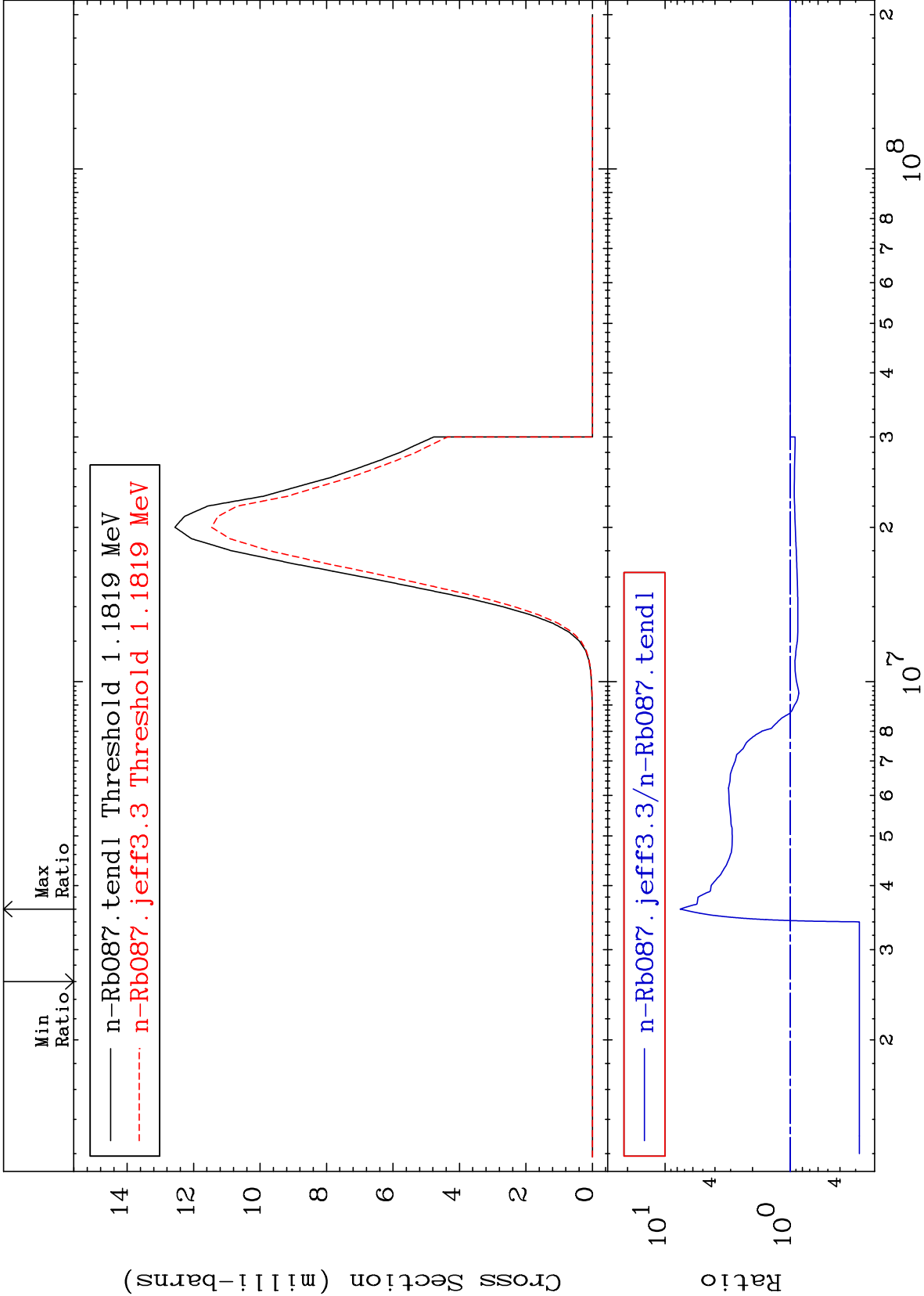






(n,α)  
Cross Section

-72.00 To 658.9 %



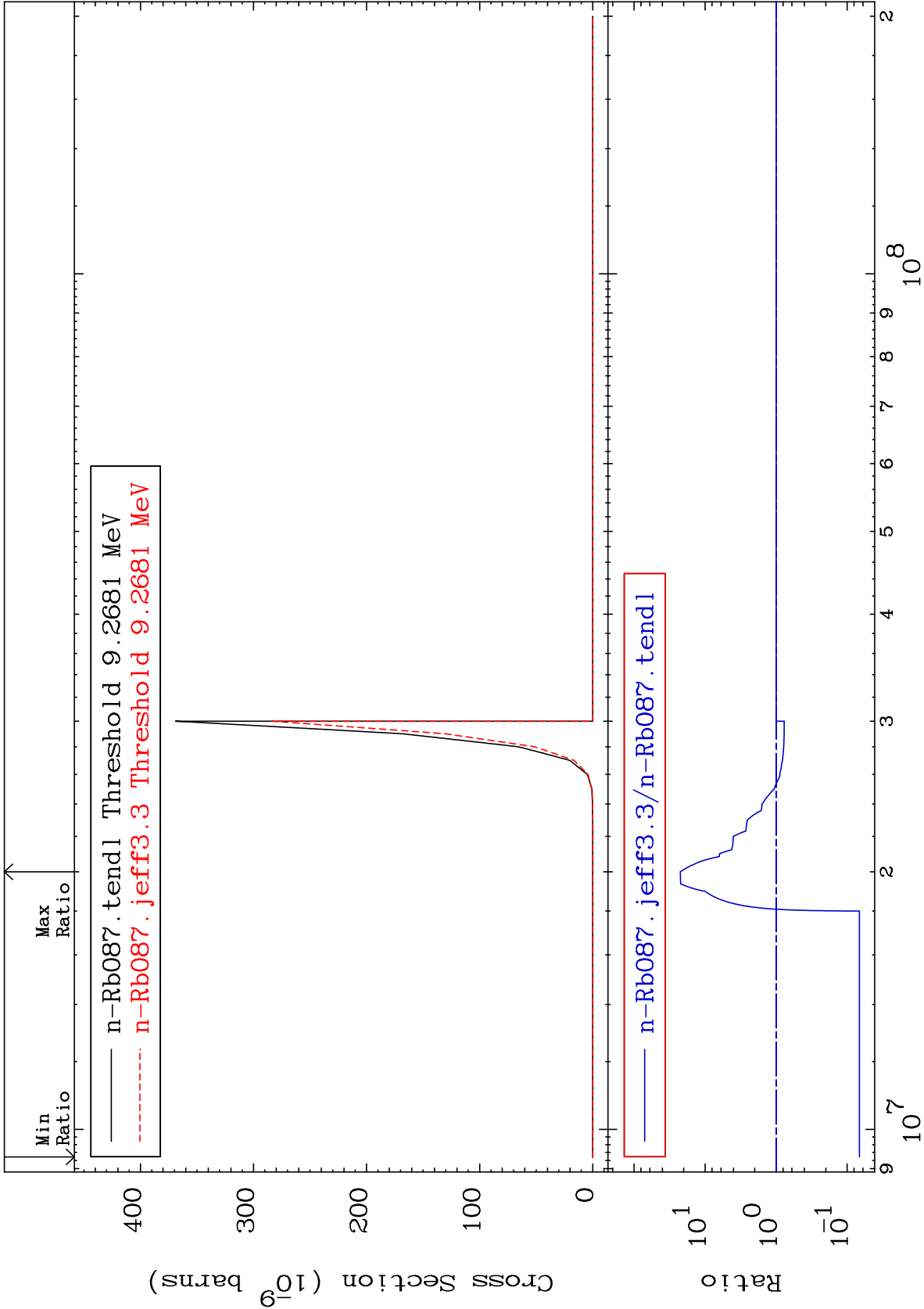
MAT 3731

(n,2α)

<sup>37</sup>Rb-87

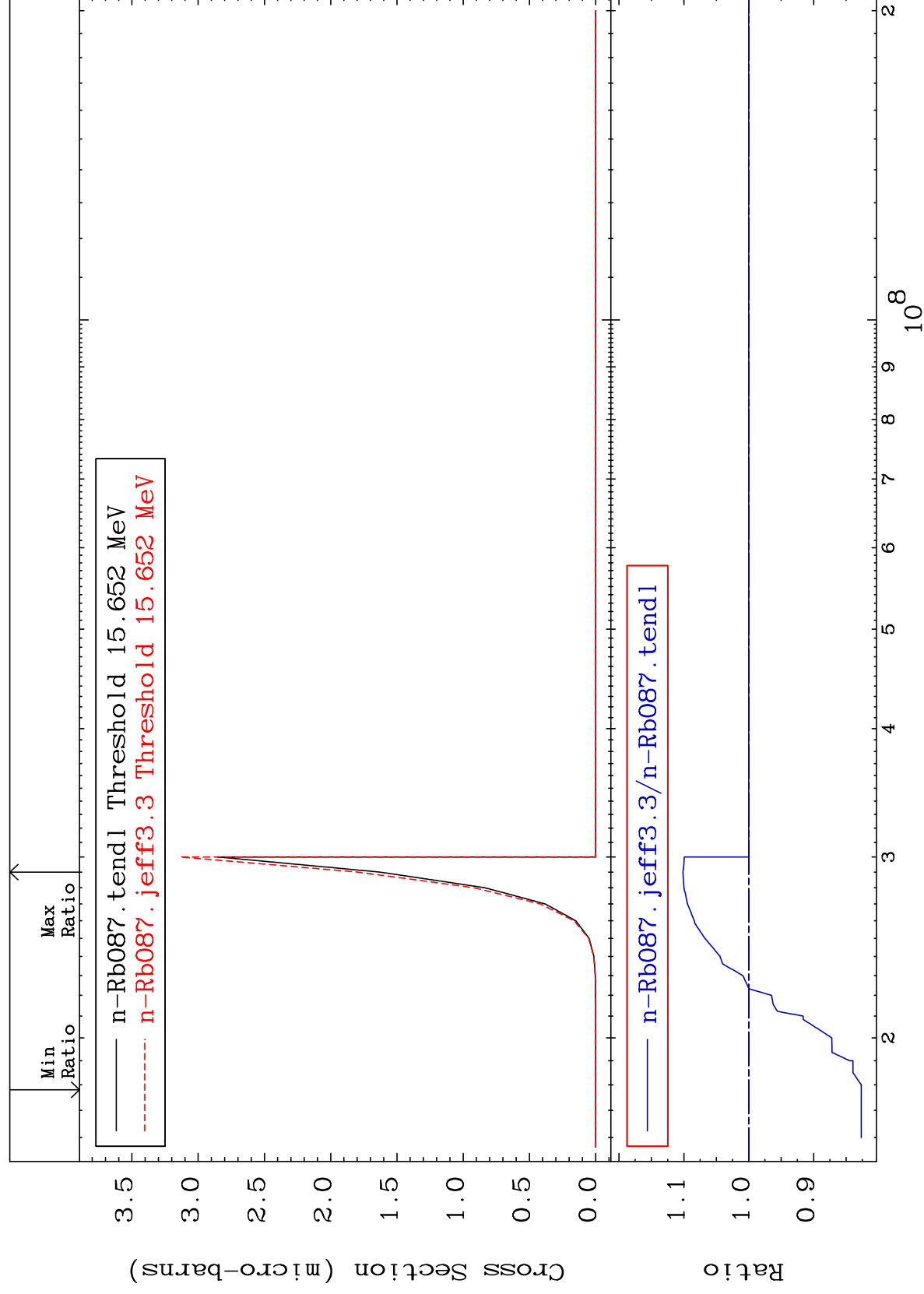
Cross Section

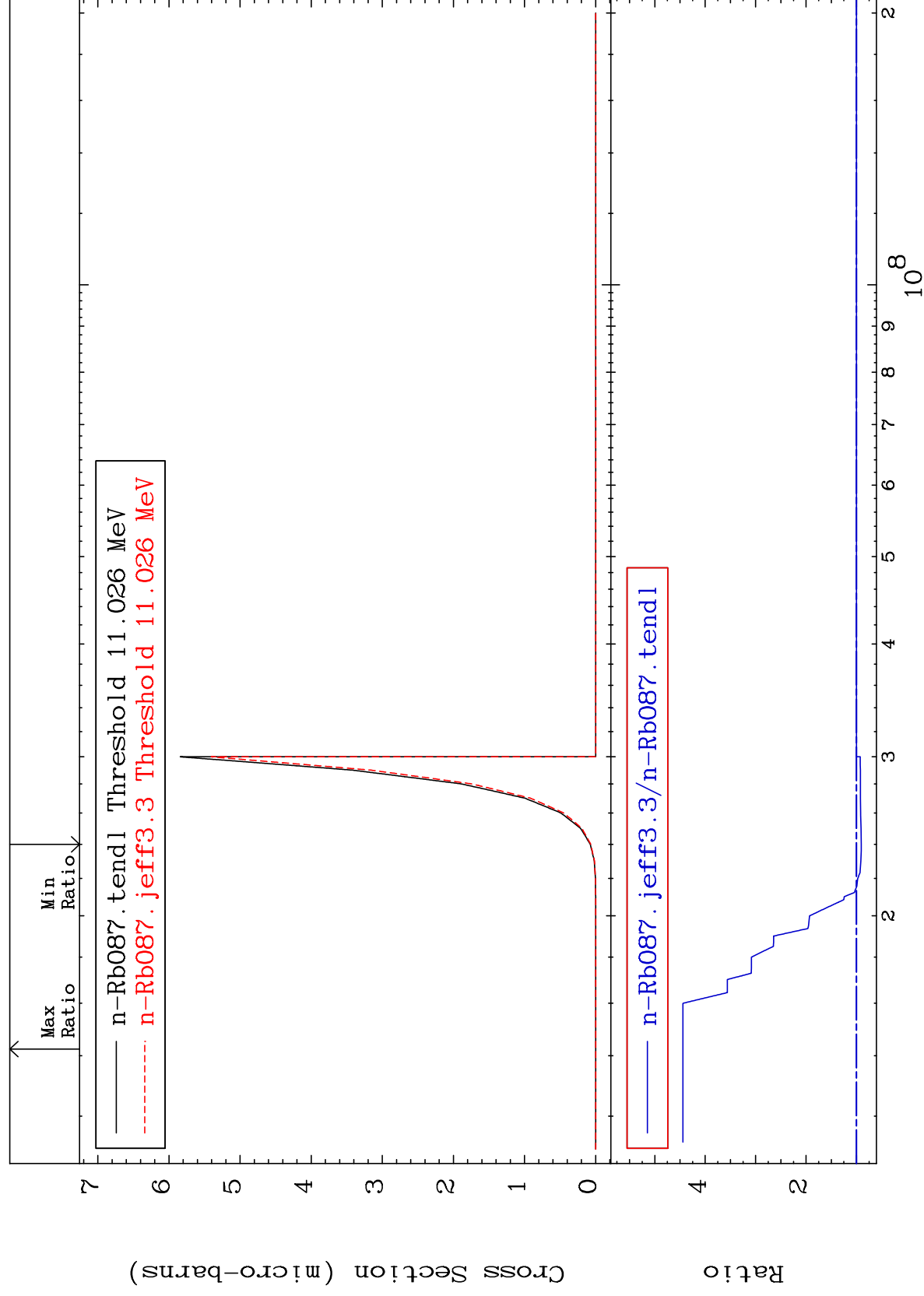
-93.27 To 2131. %



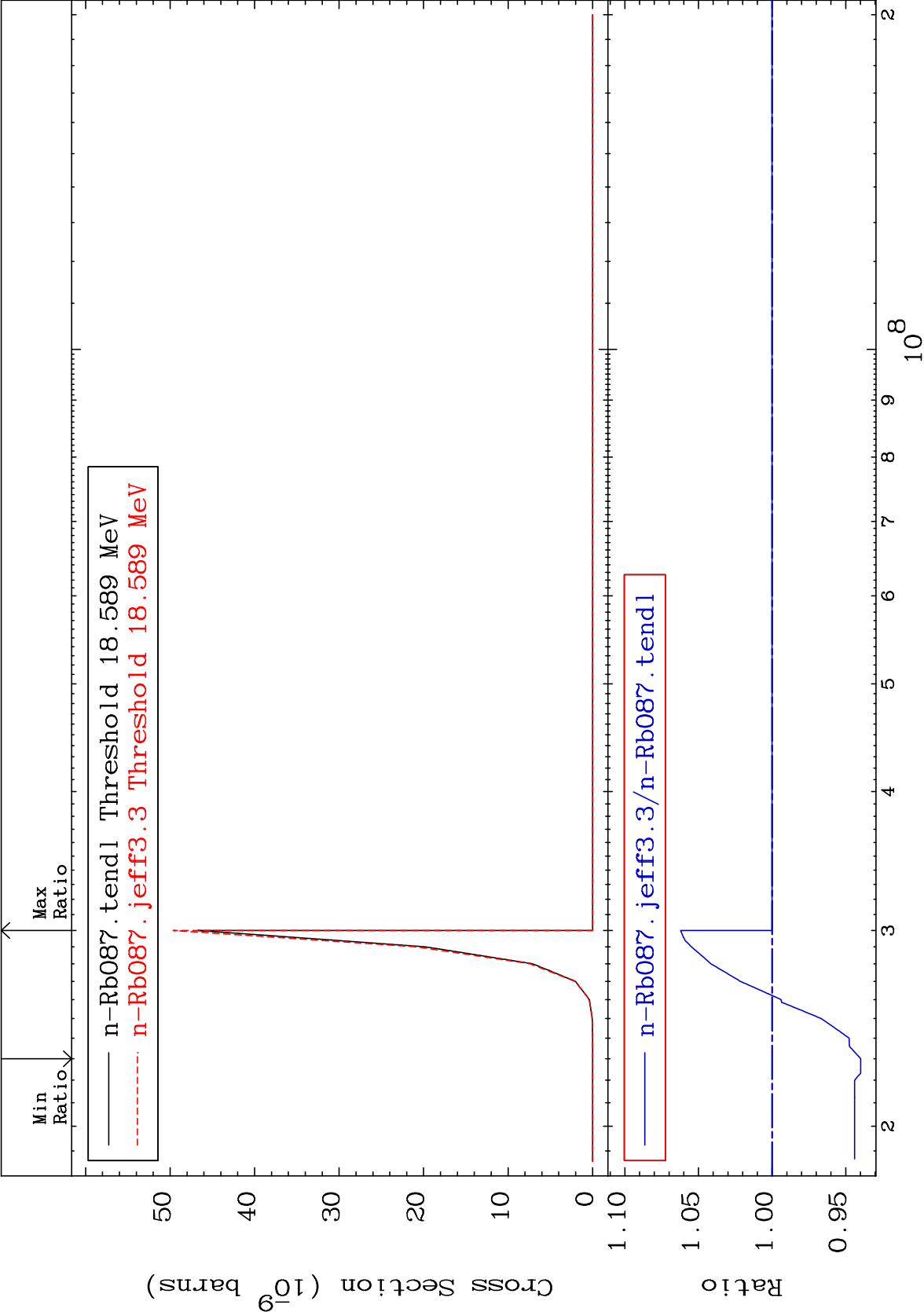
Incident Energy (eV)

<sup>37</sup>Rb-87





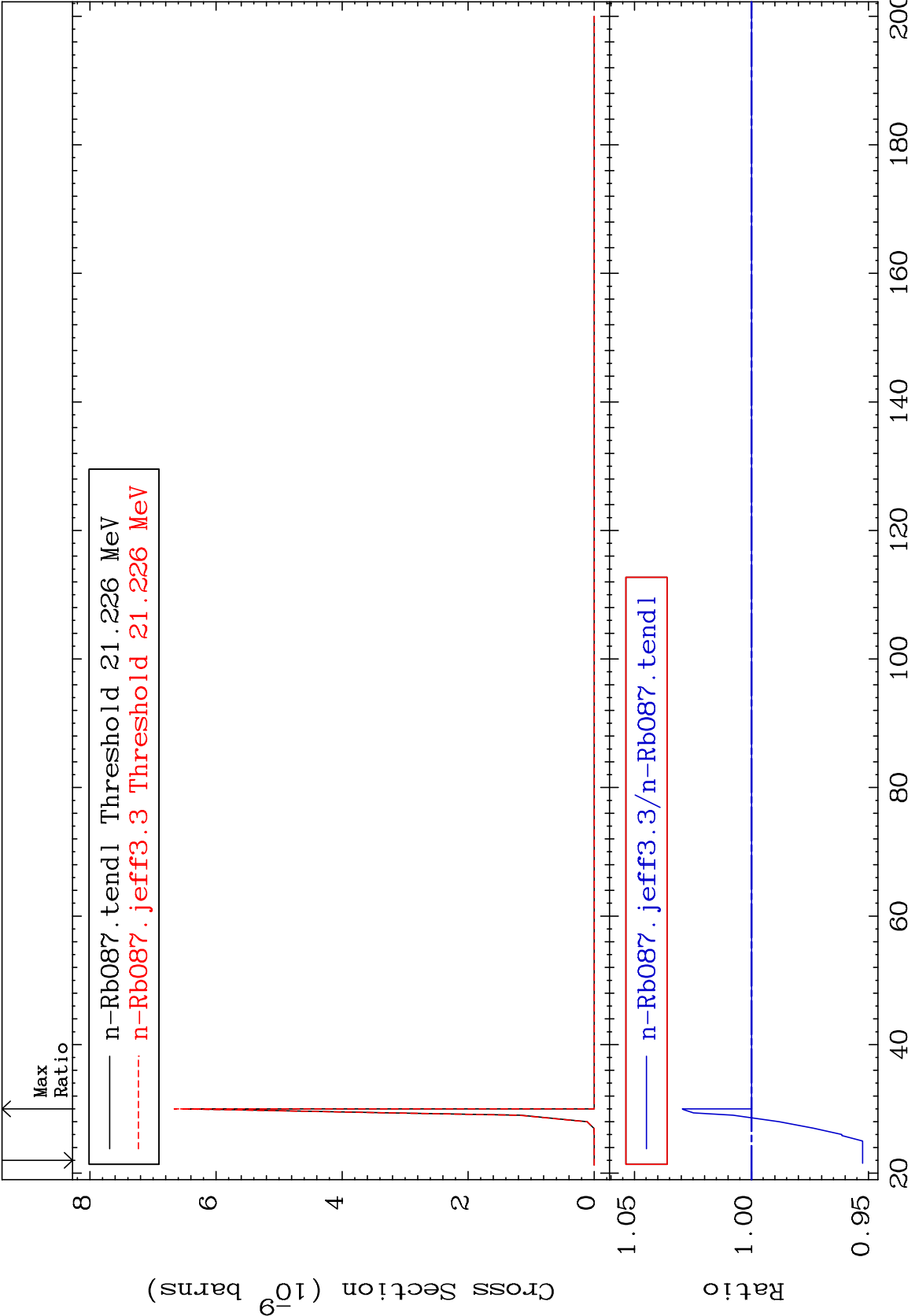




MAT 3731

(n,p) t  
Cross Section

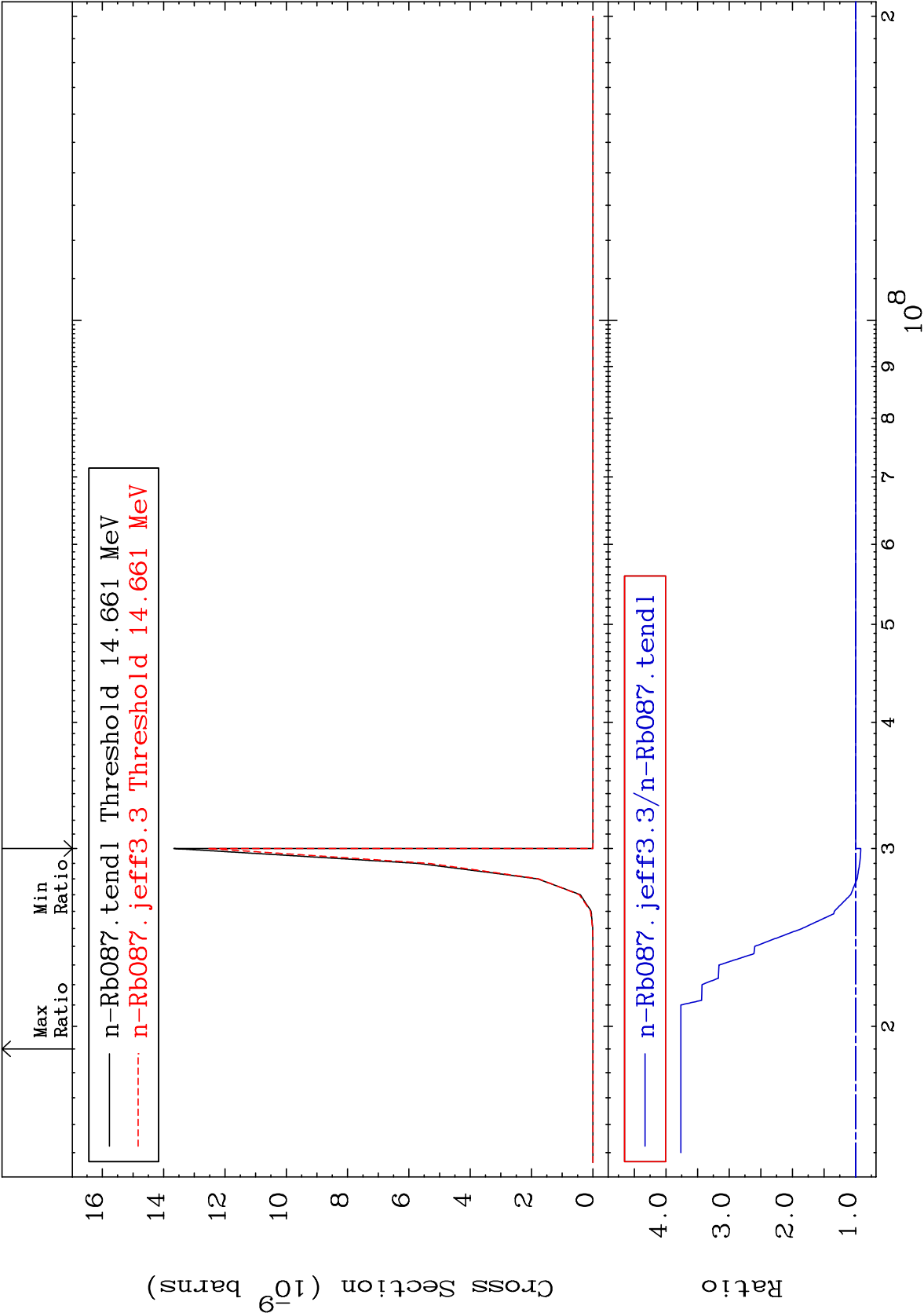
<sup>37</sup>Rb-87  
-4.745 To 2.951 %

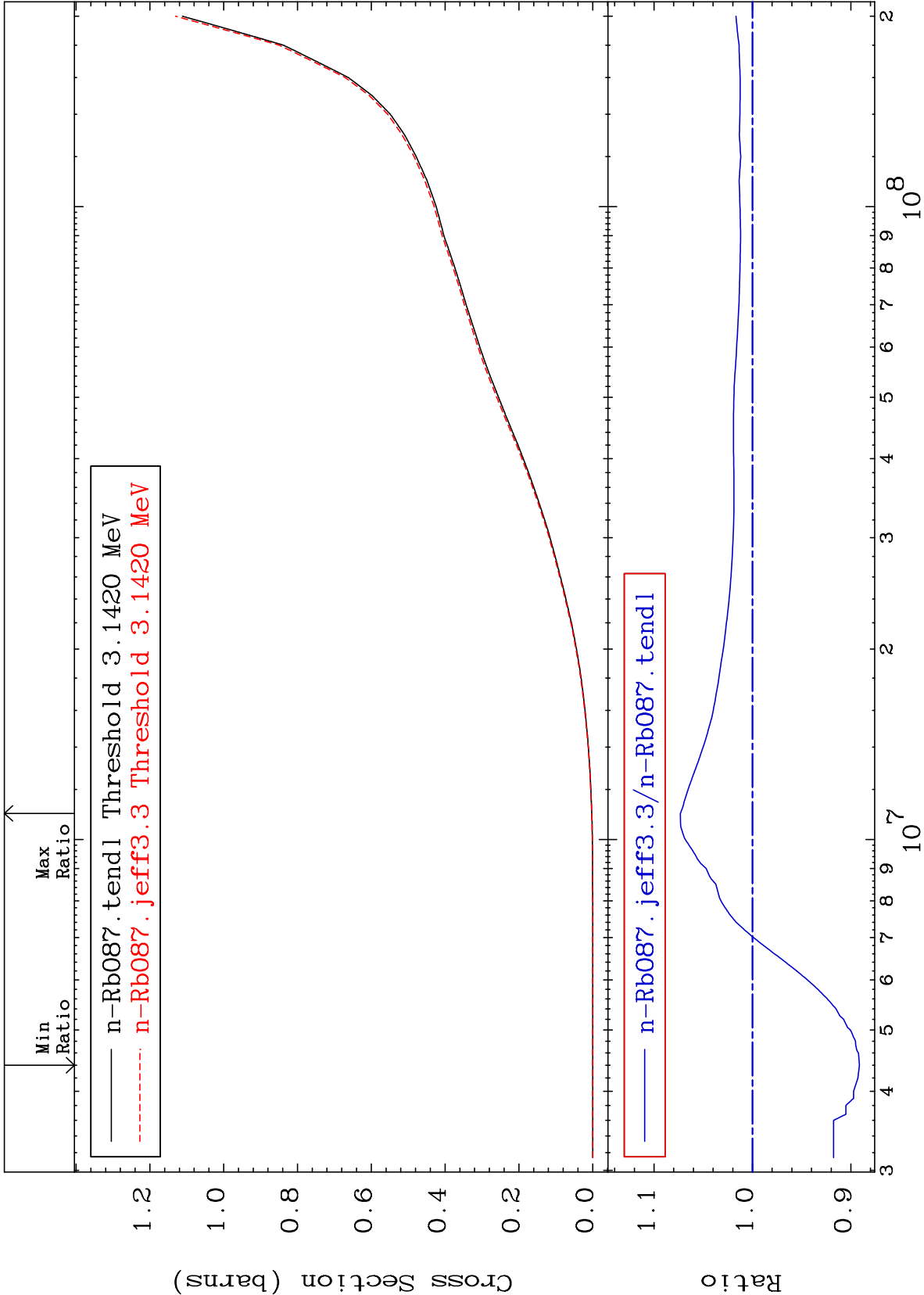


34

Incident Energy (MeV)

<sup>37</sup>Rb-87

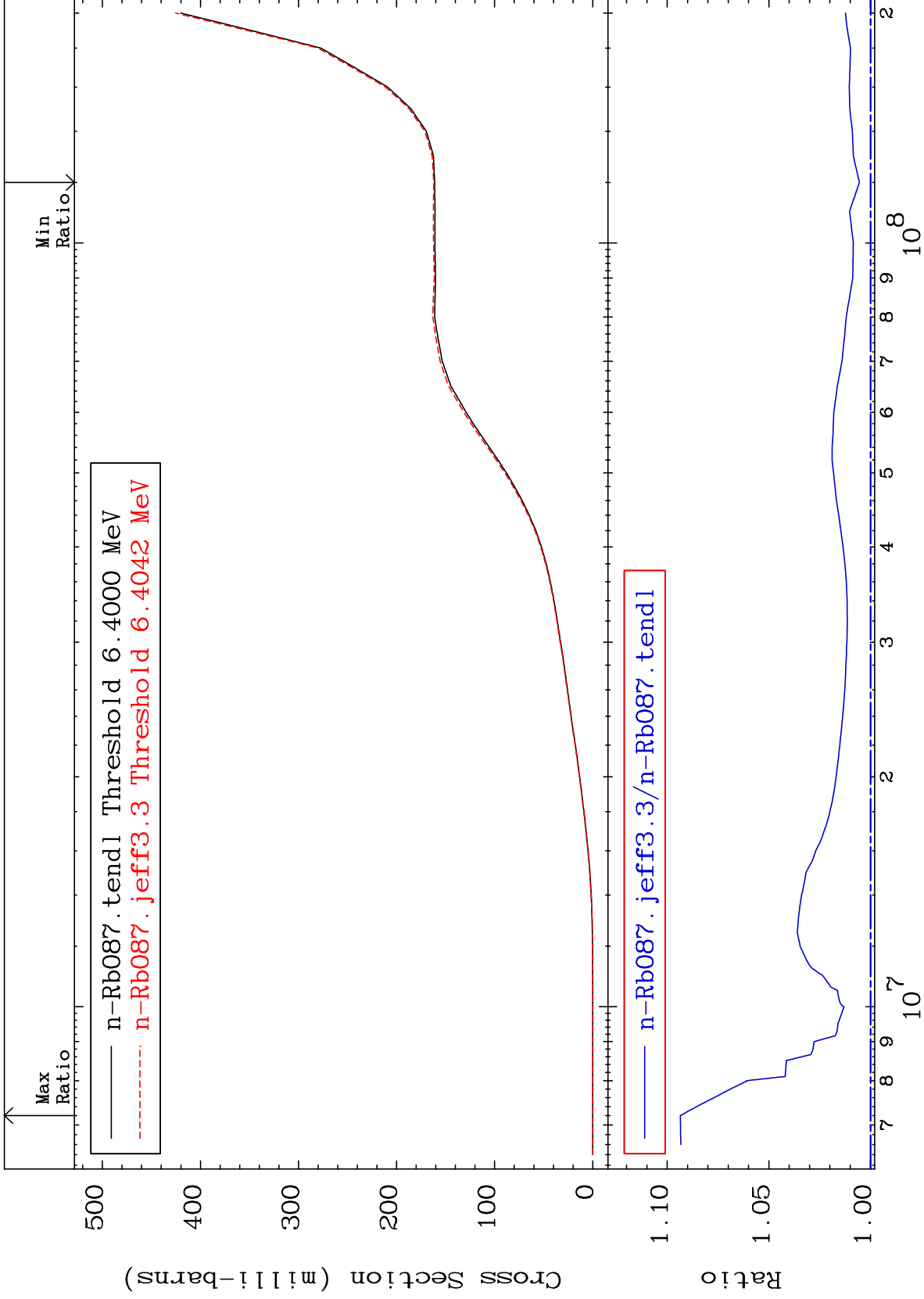




MAT 3731

Deuterium Production  
Cross Section

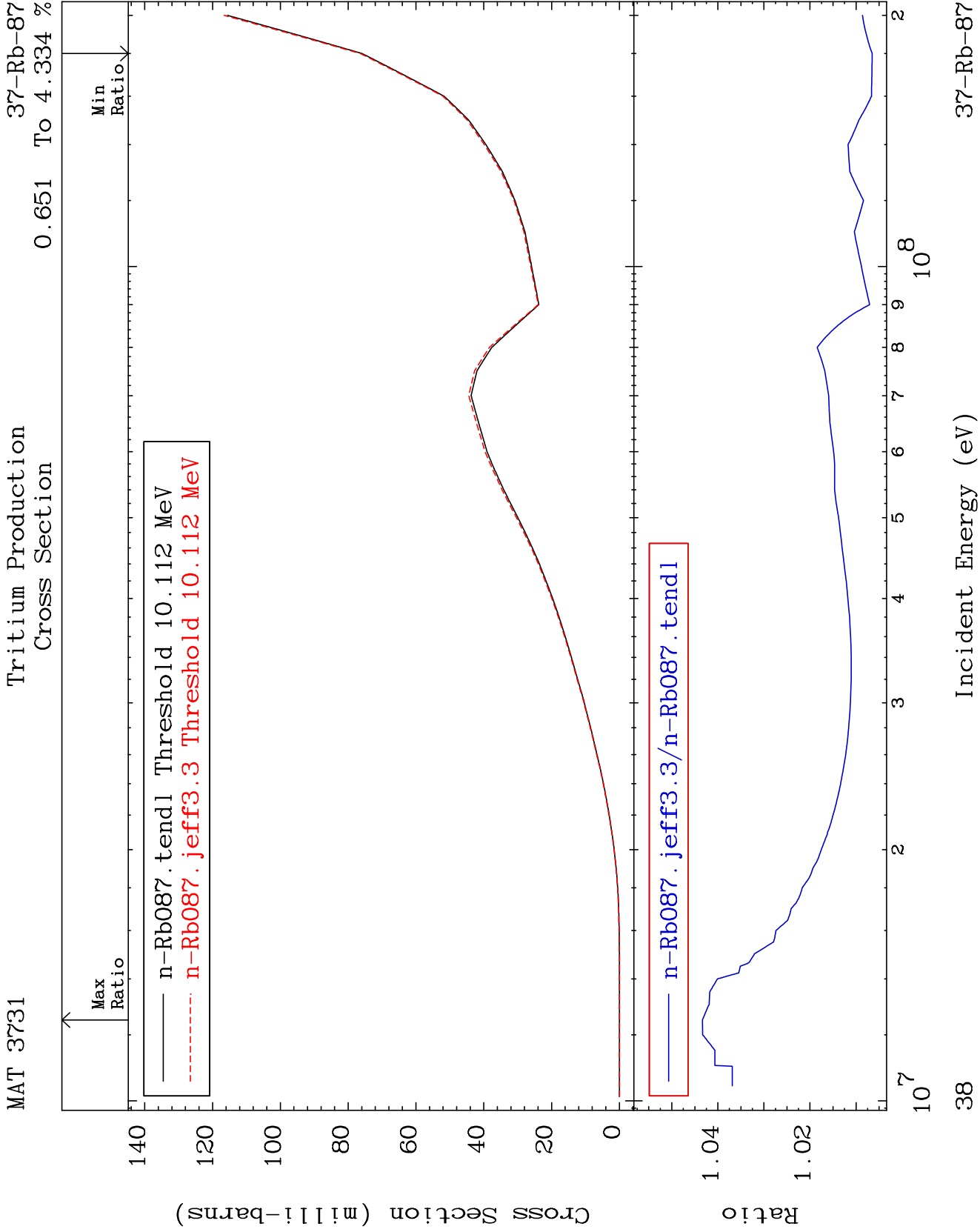
$^{37}\text{Rb-87}$   
0.548 To 9.356 %

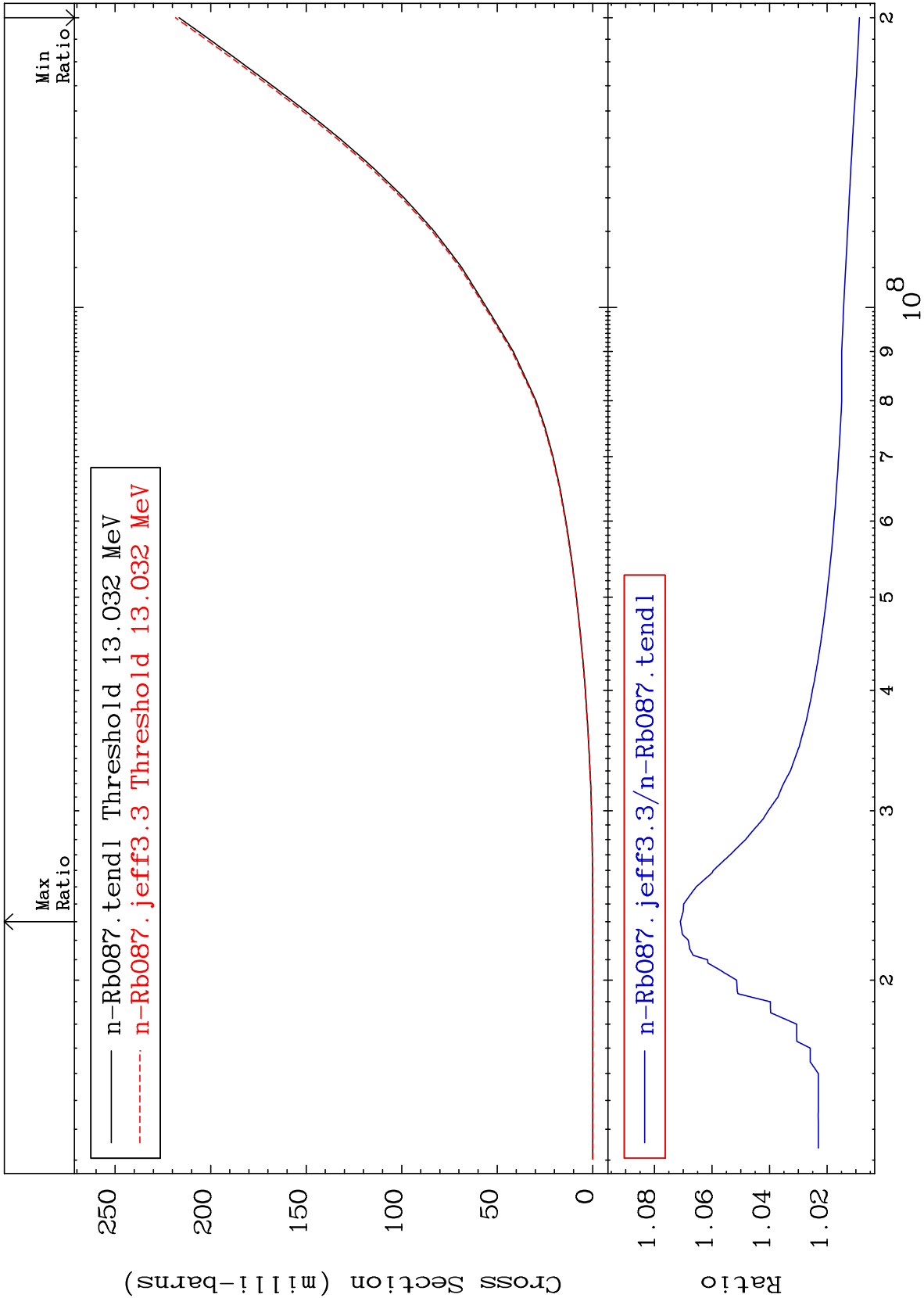


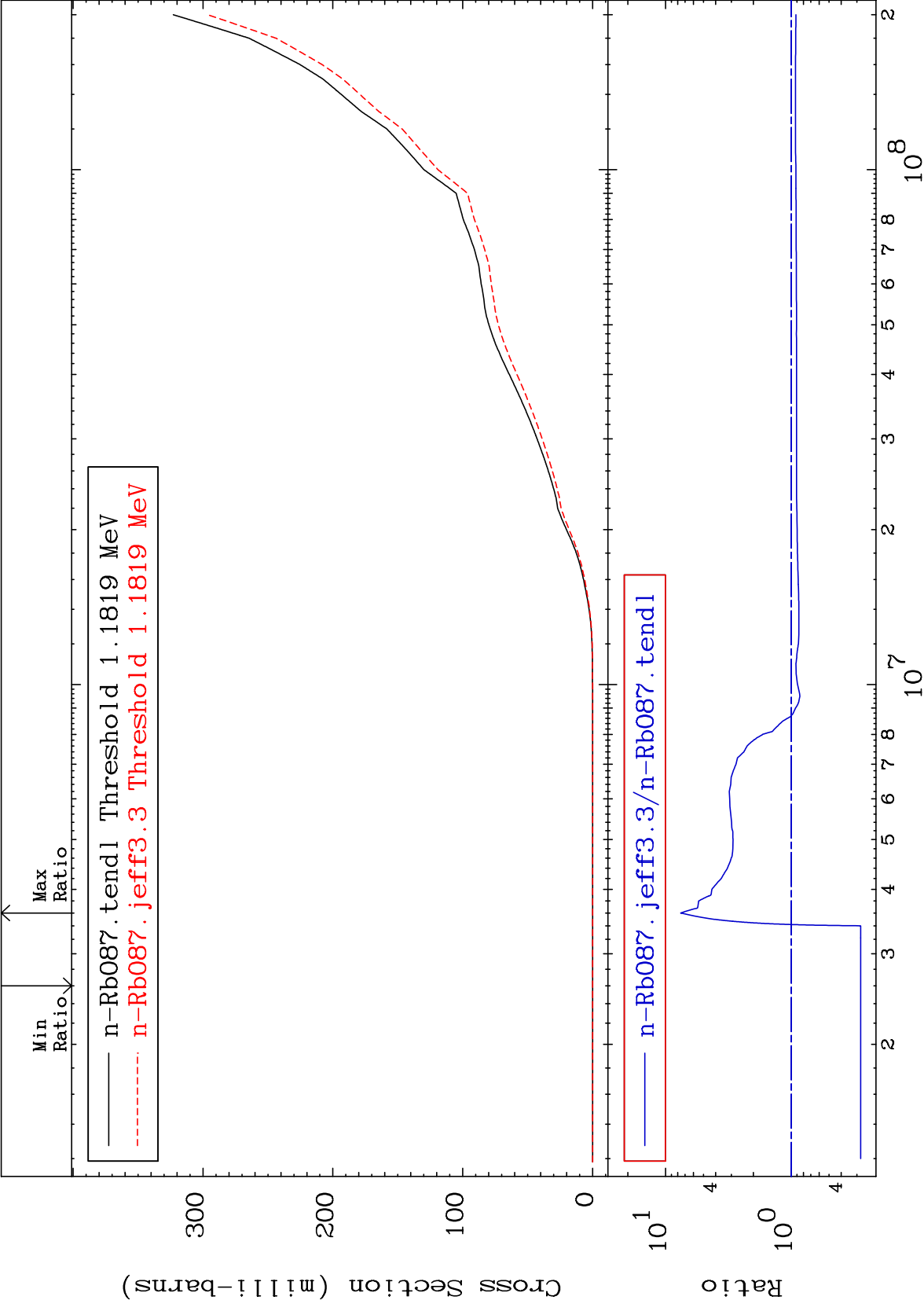
37

Incident Energy (eV)

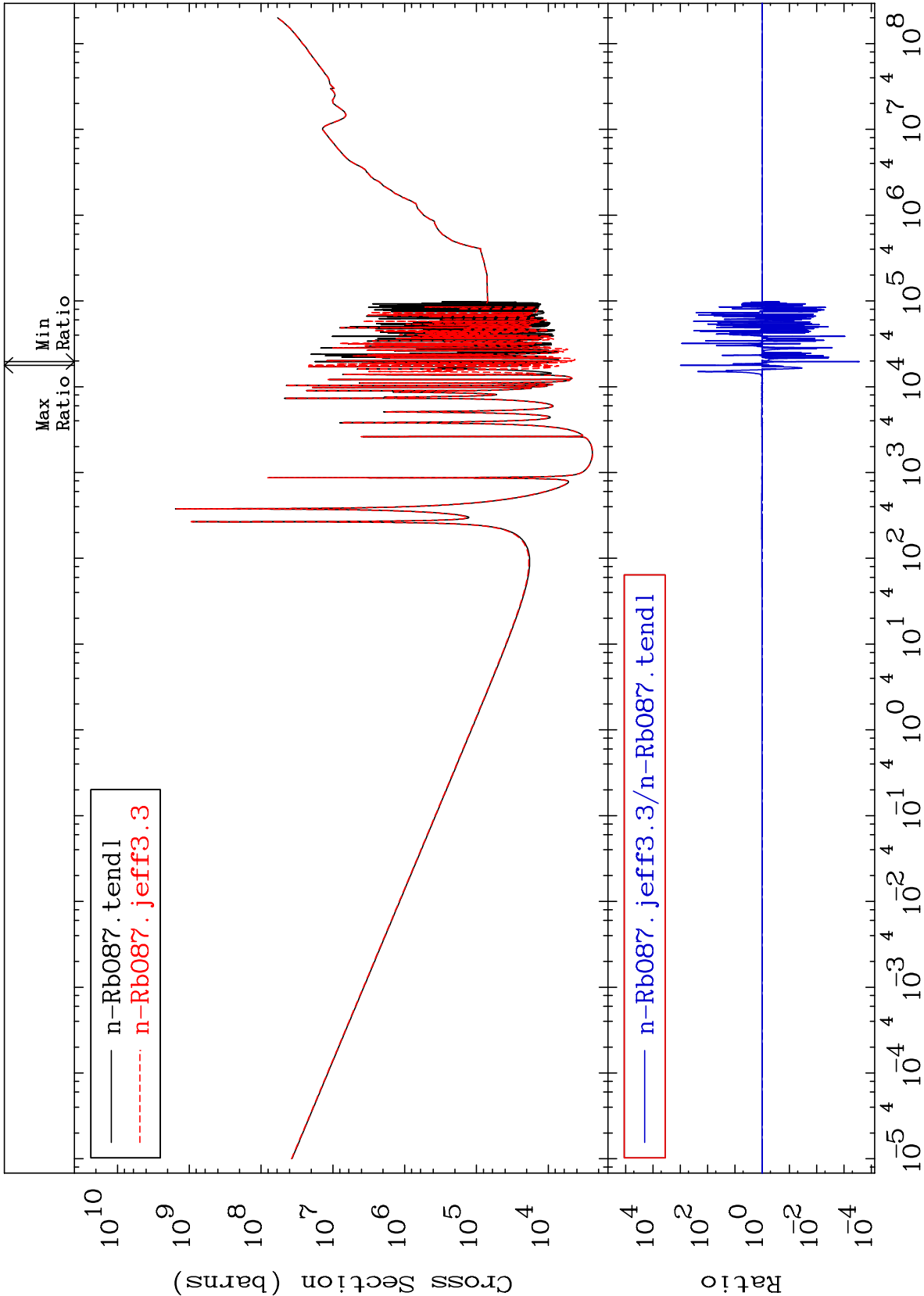
$^{37}\text{Rb-87}$

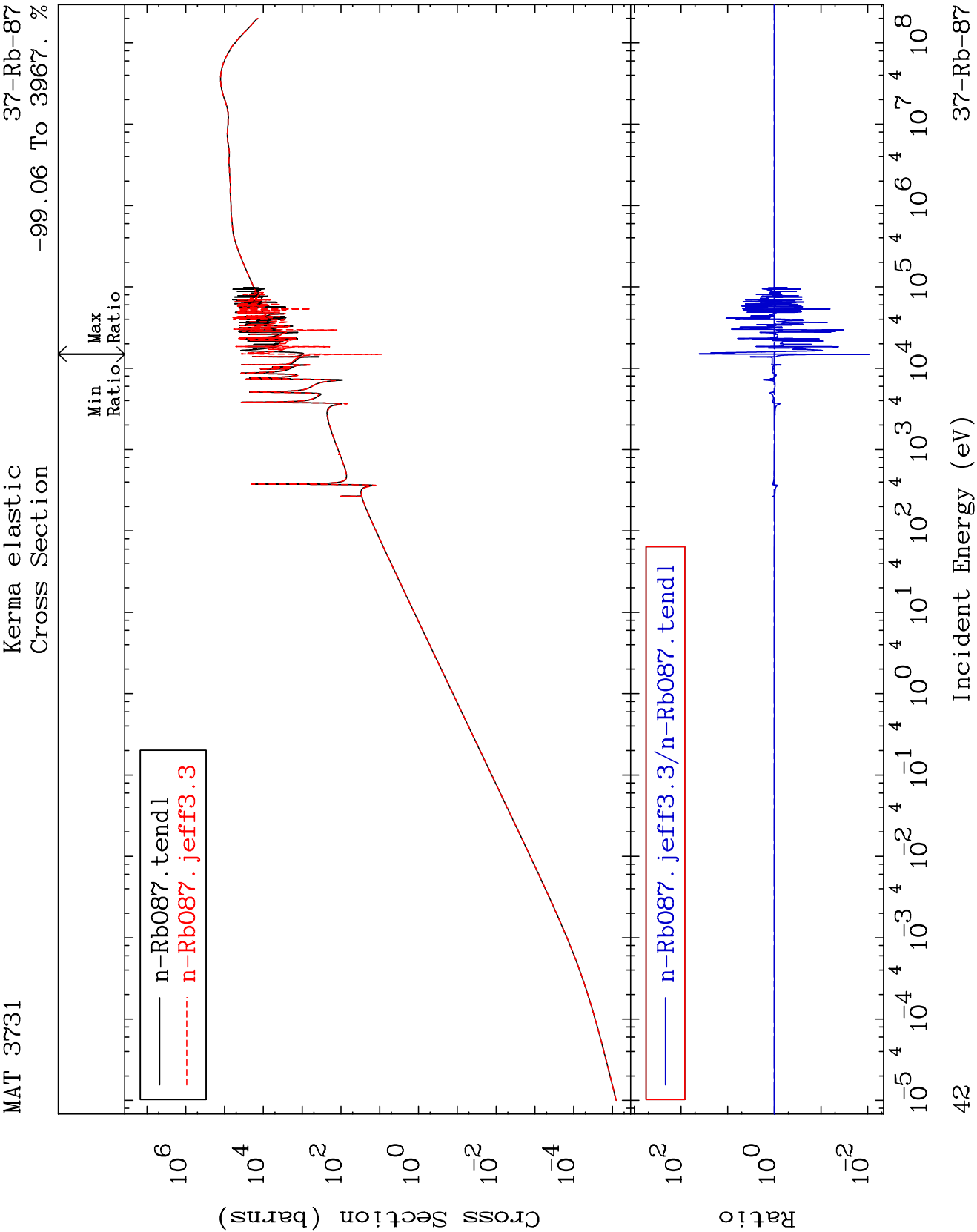






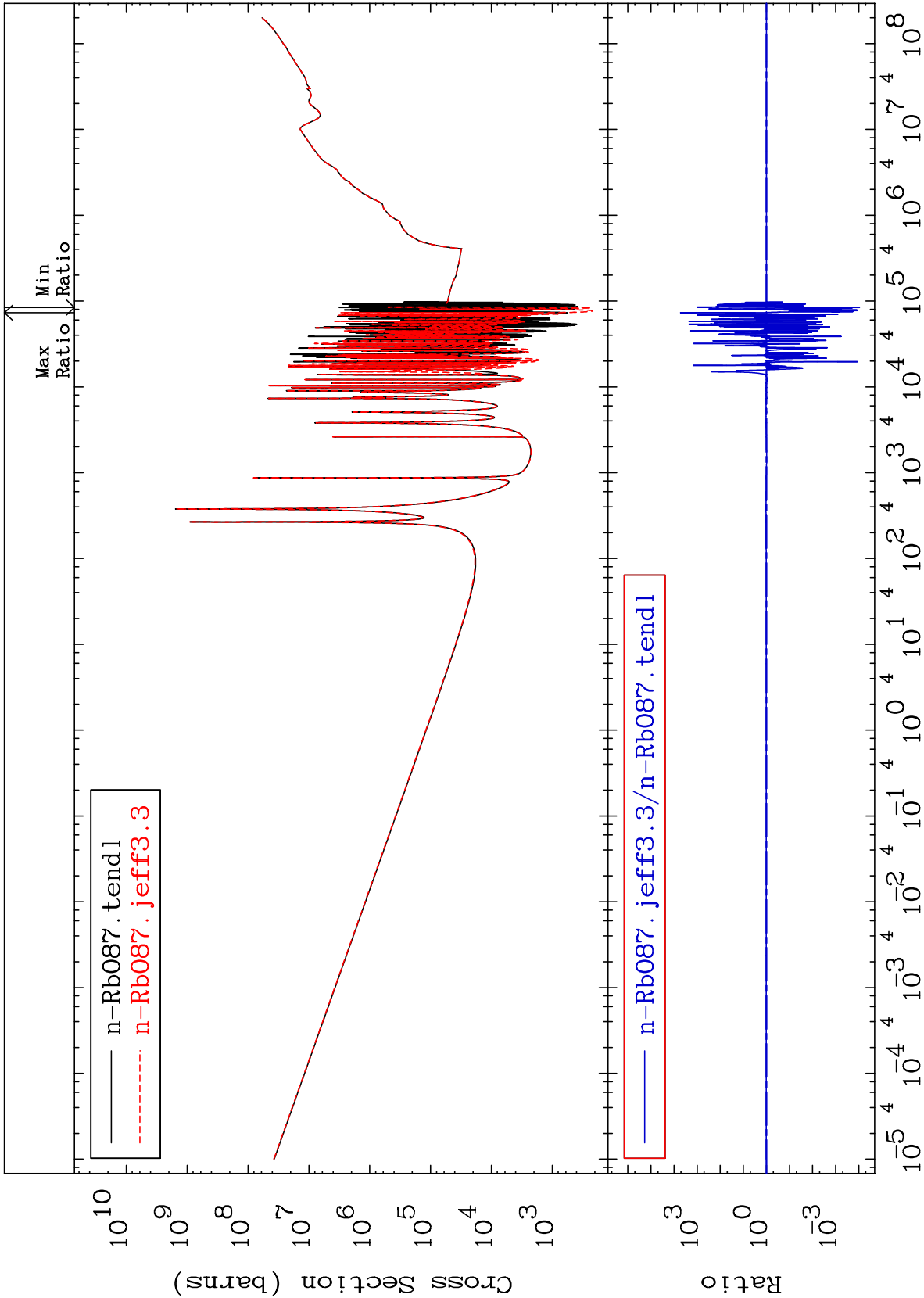






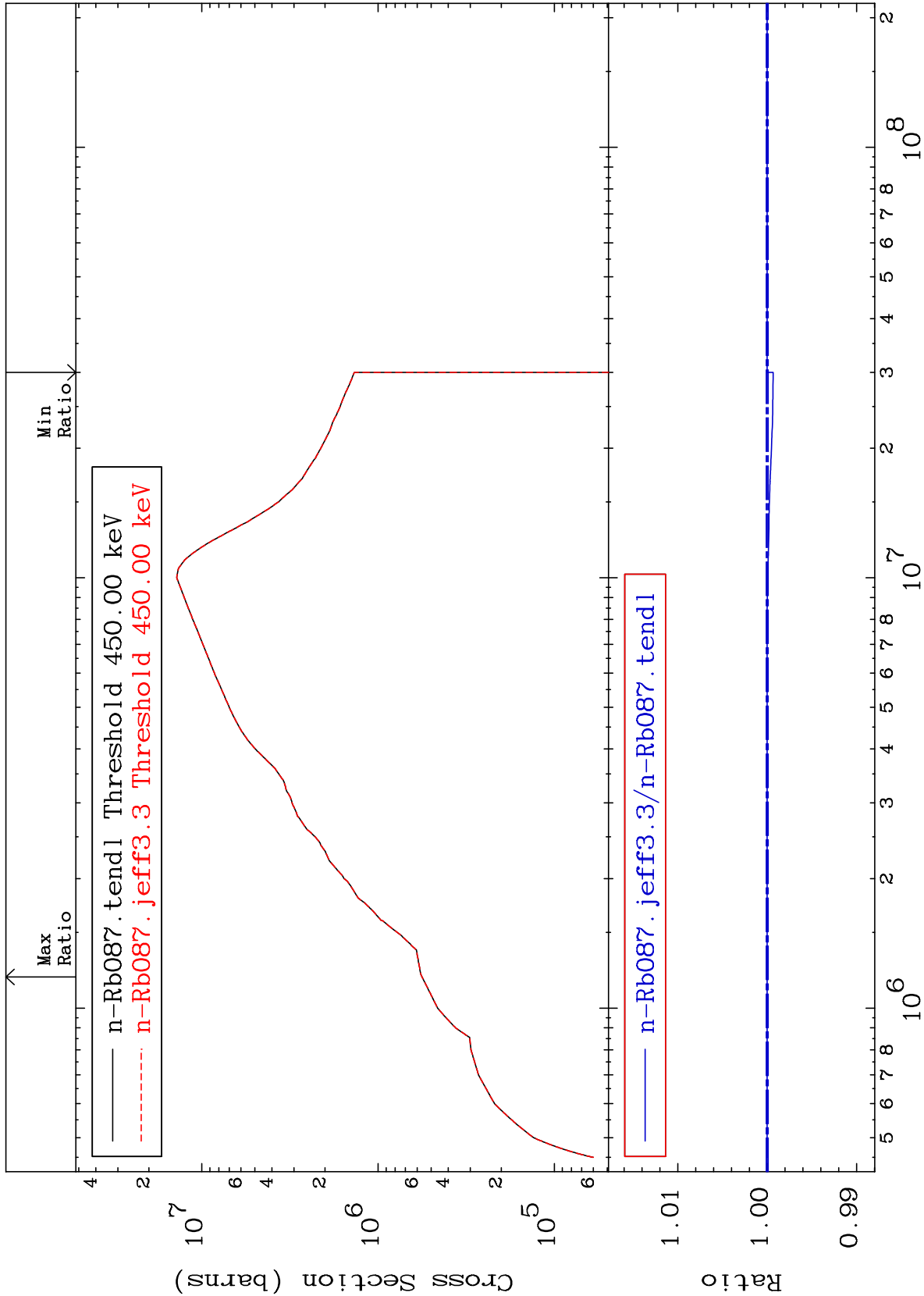
Cross Section

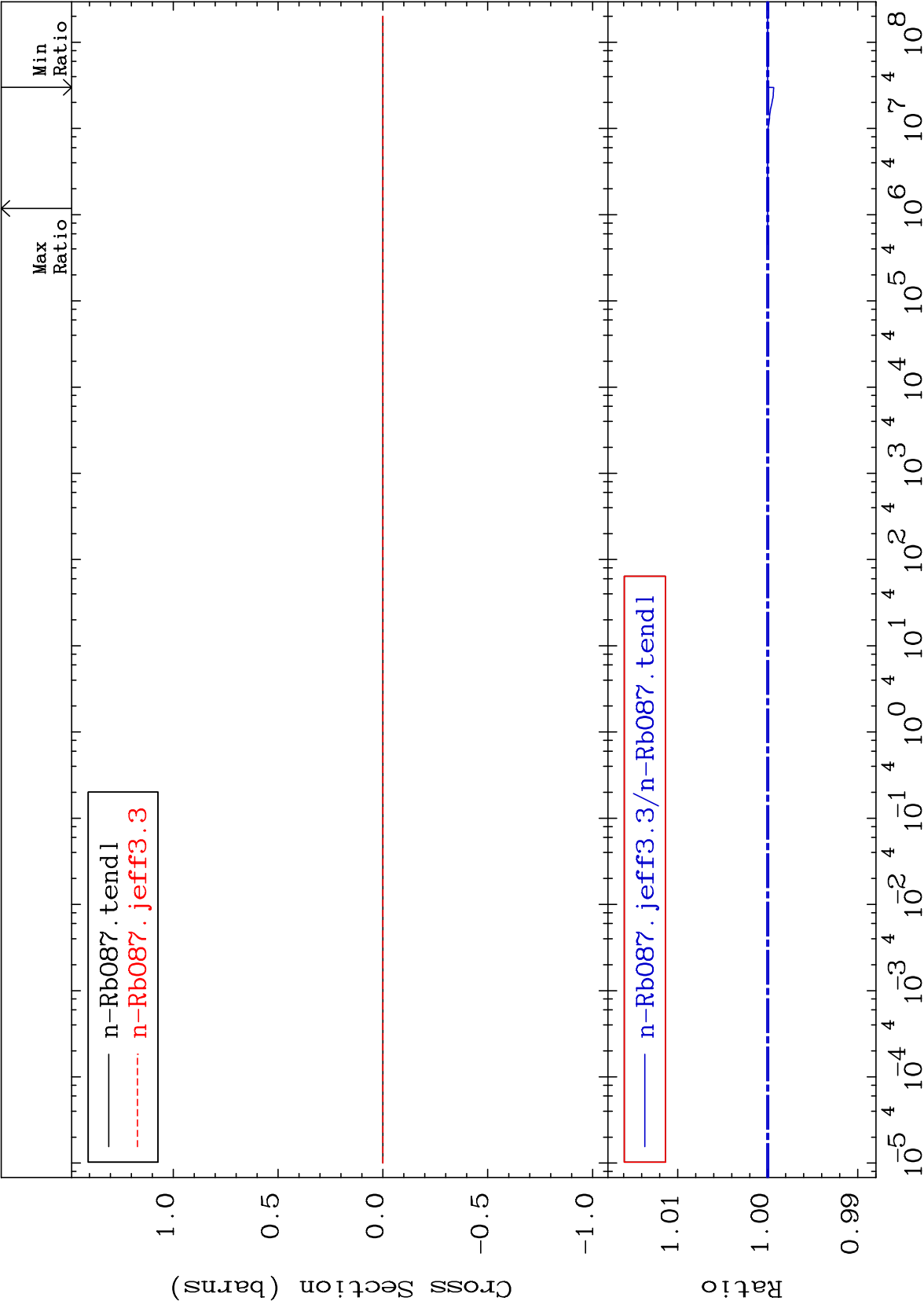
-99.99 To 9999. %

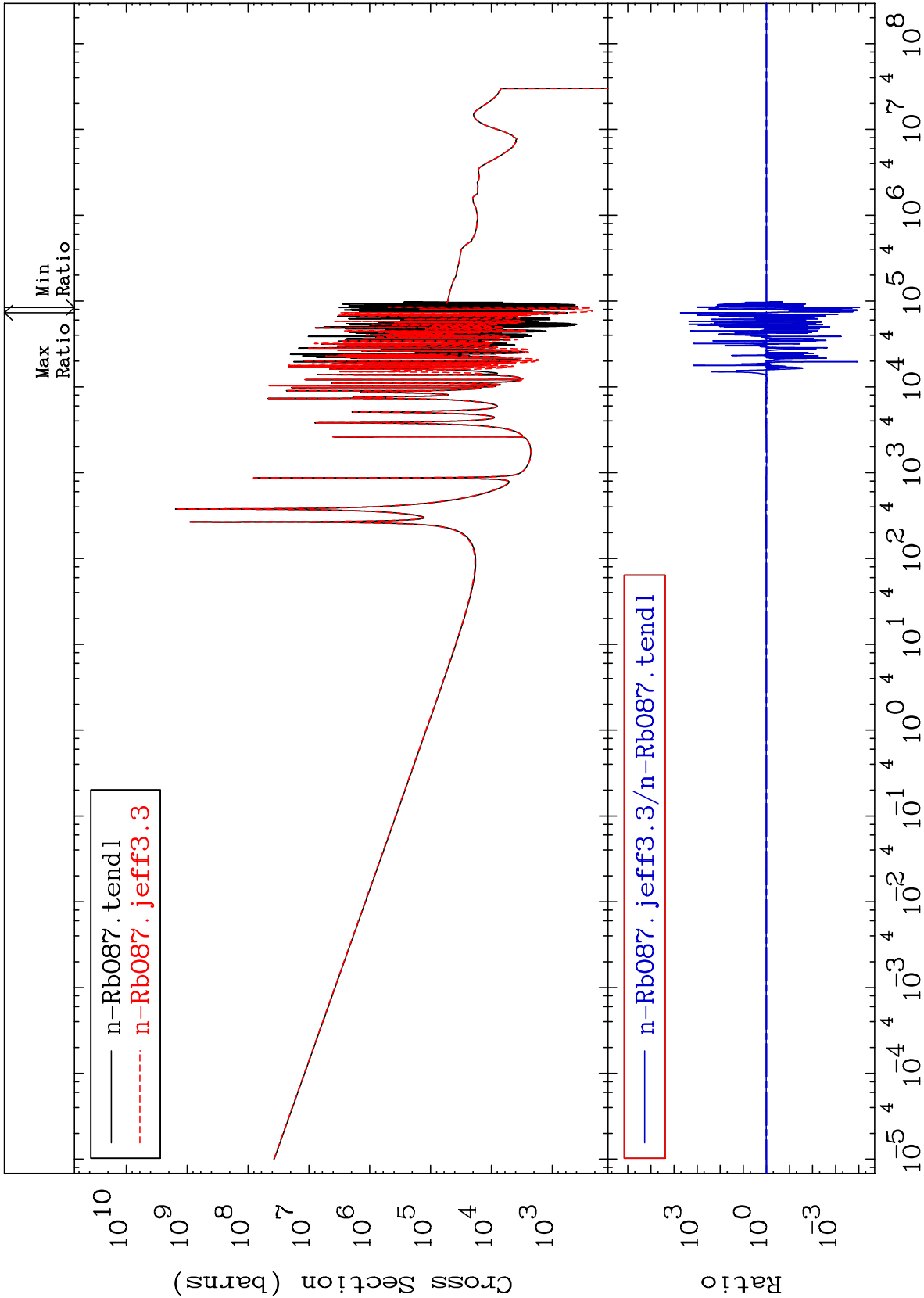


Cross Section

-0.066 To 0.000 %

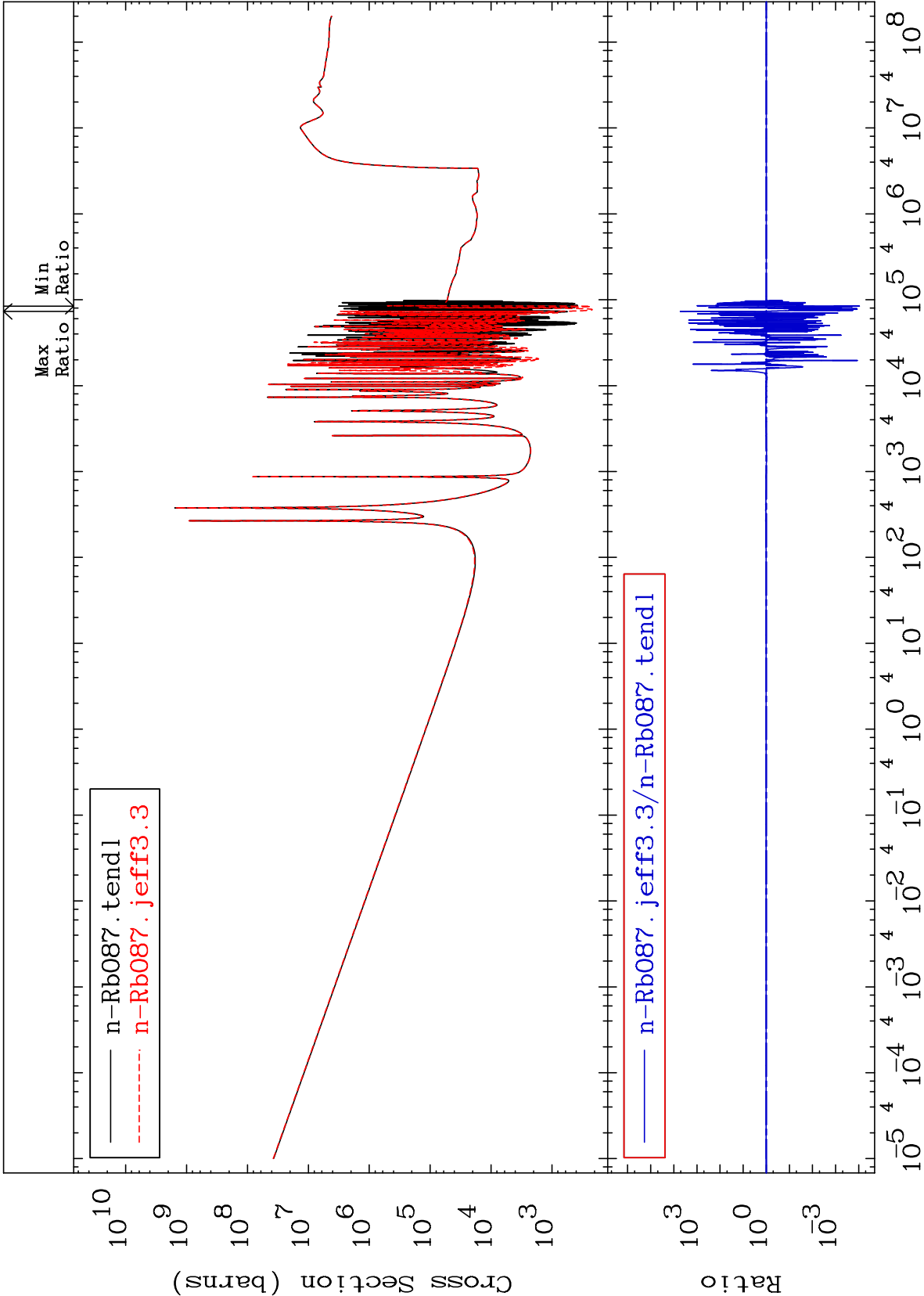


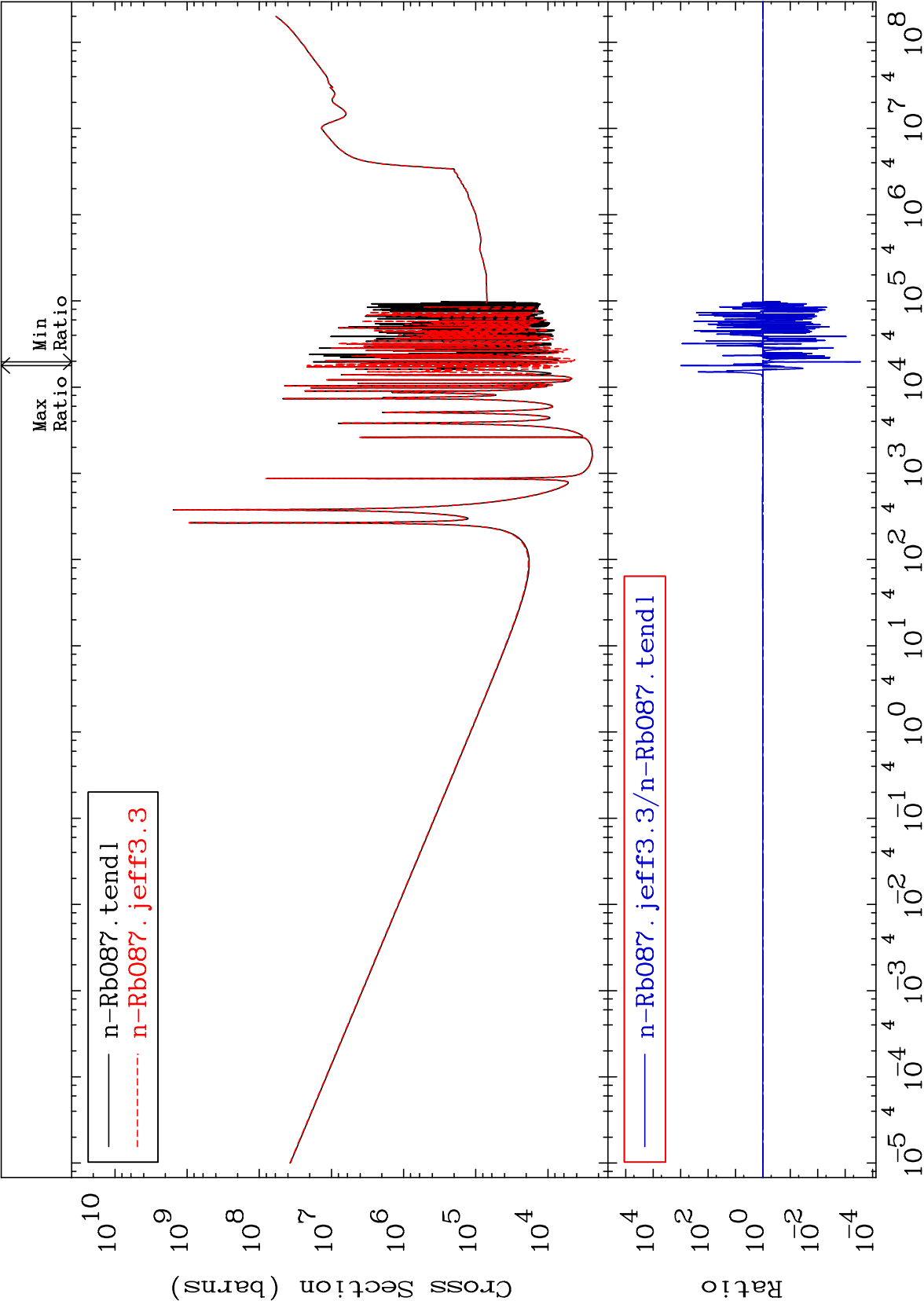




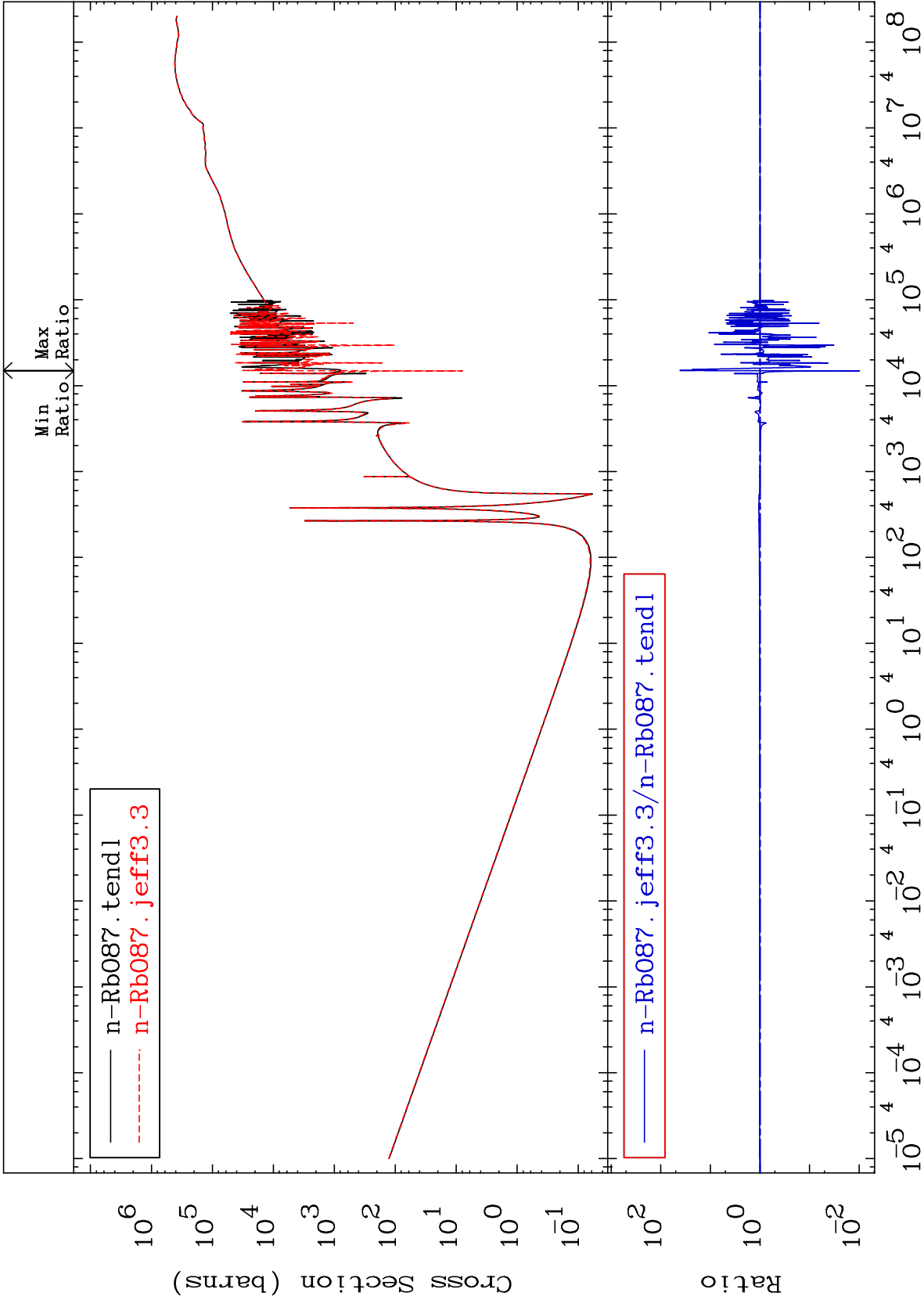
Cross Section

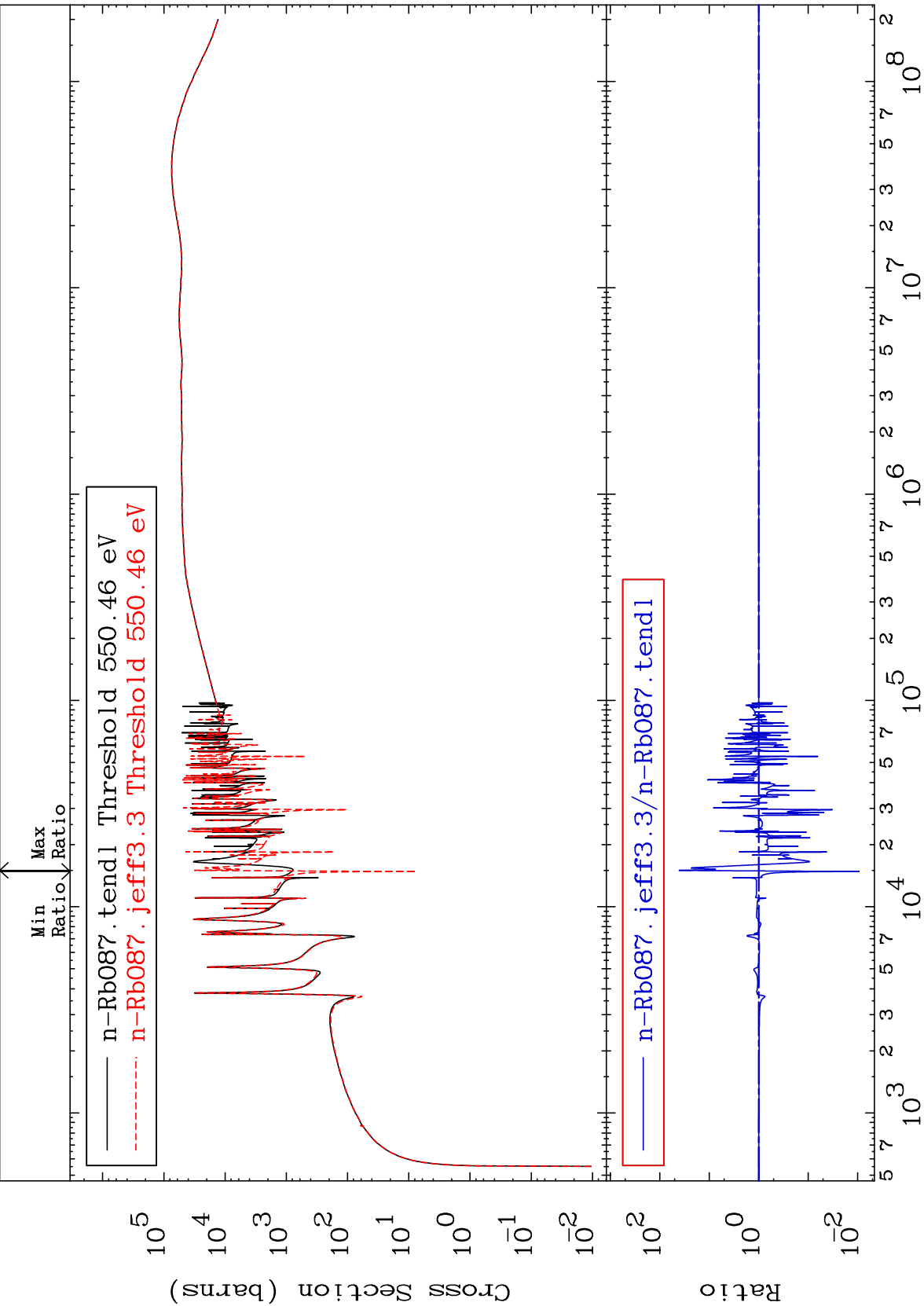
-99.99 To 9999. %



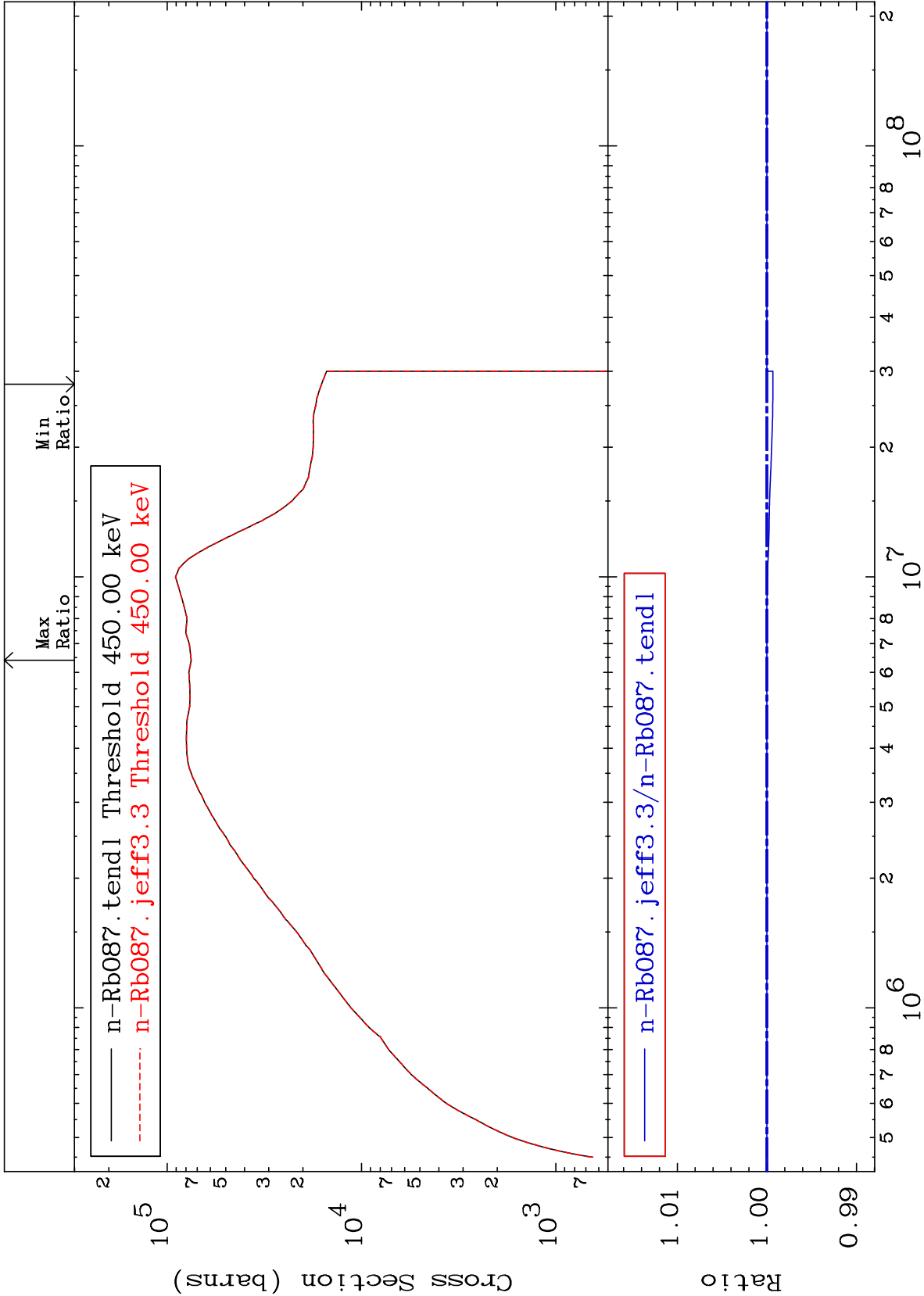






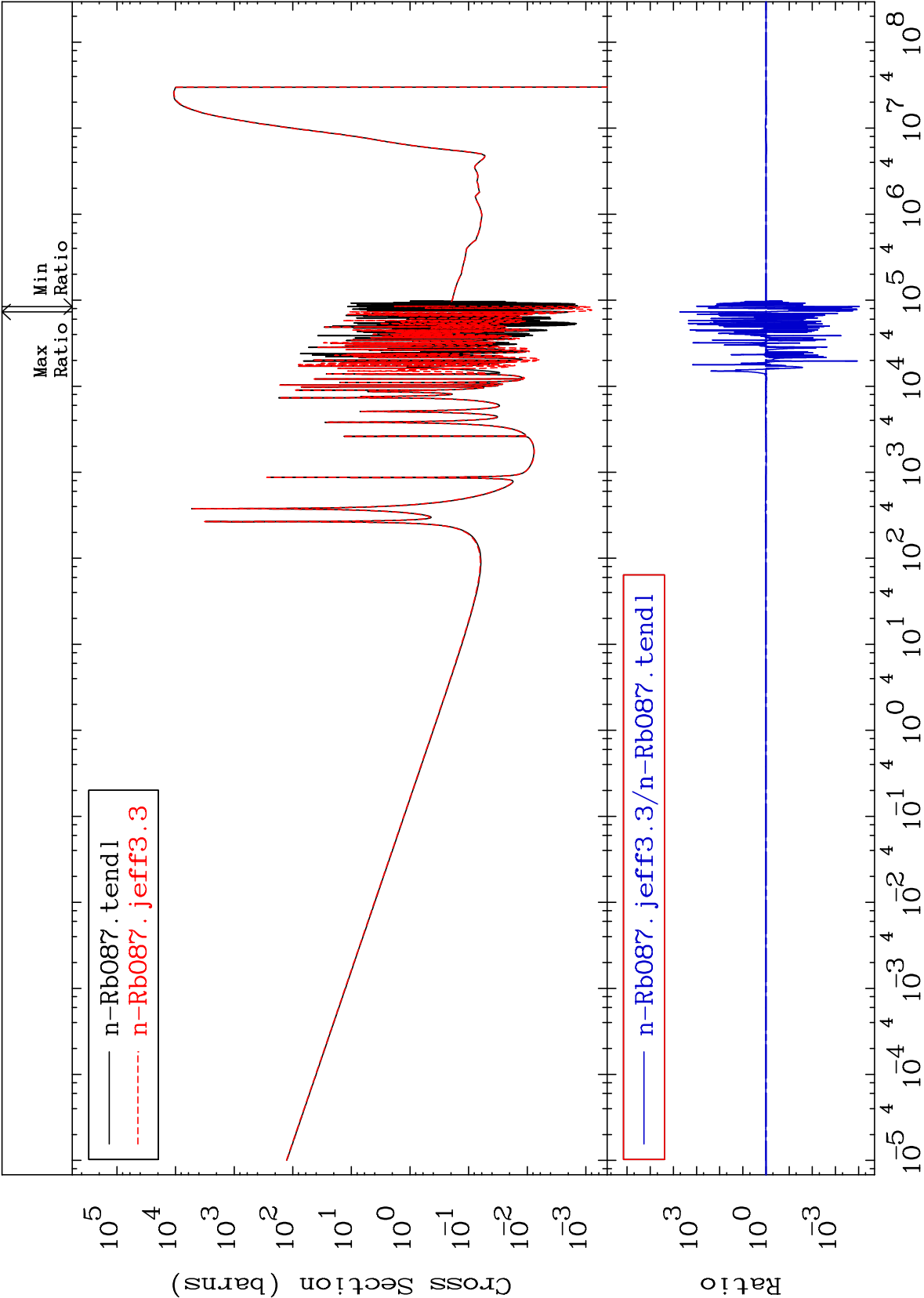


-0.068 To 0.000 %



Cross Section

-99.99 To 9999. %



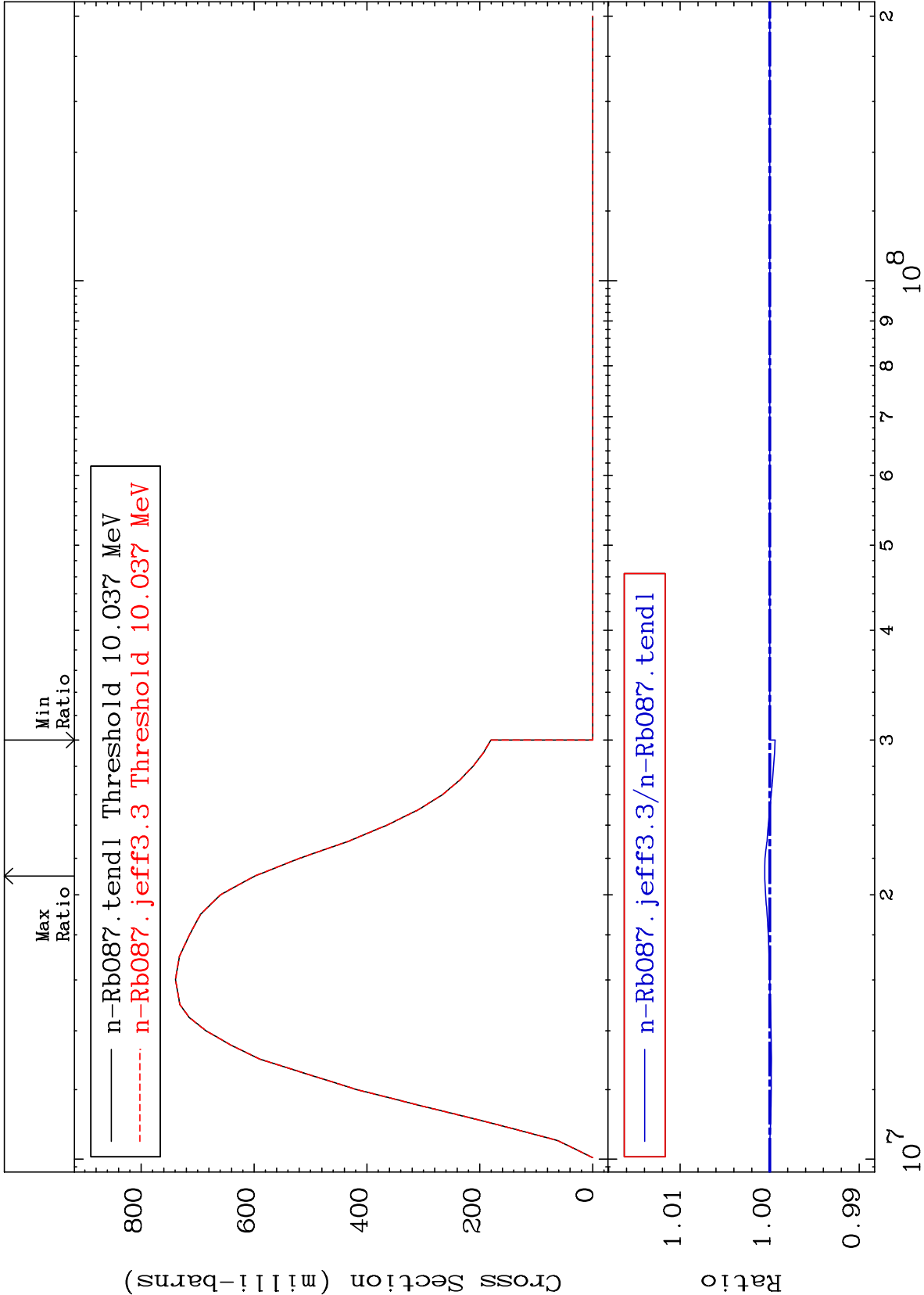
MAT 3731

(n,2n):37-Rb-86g

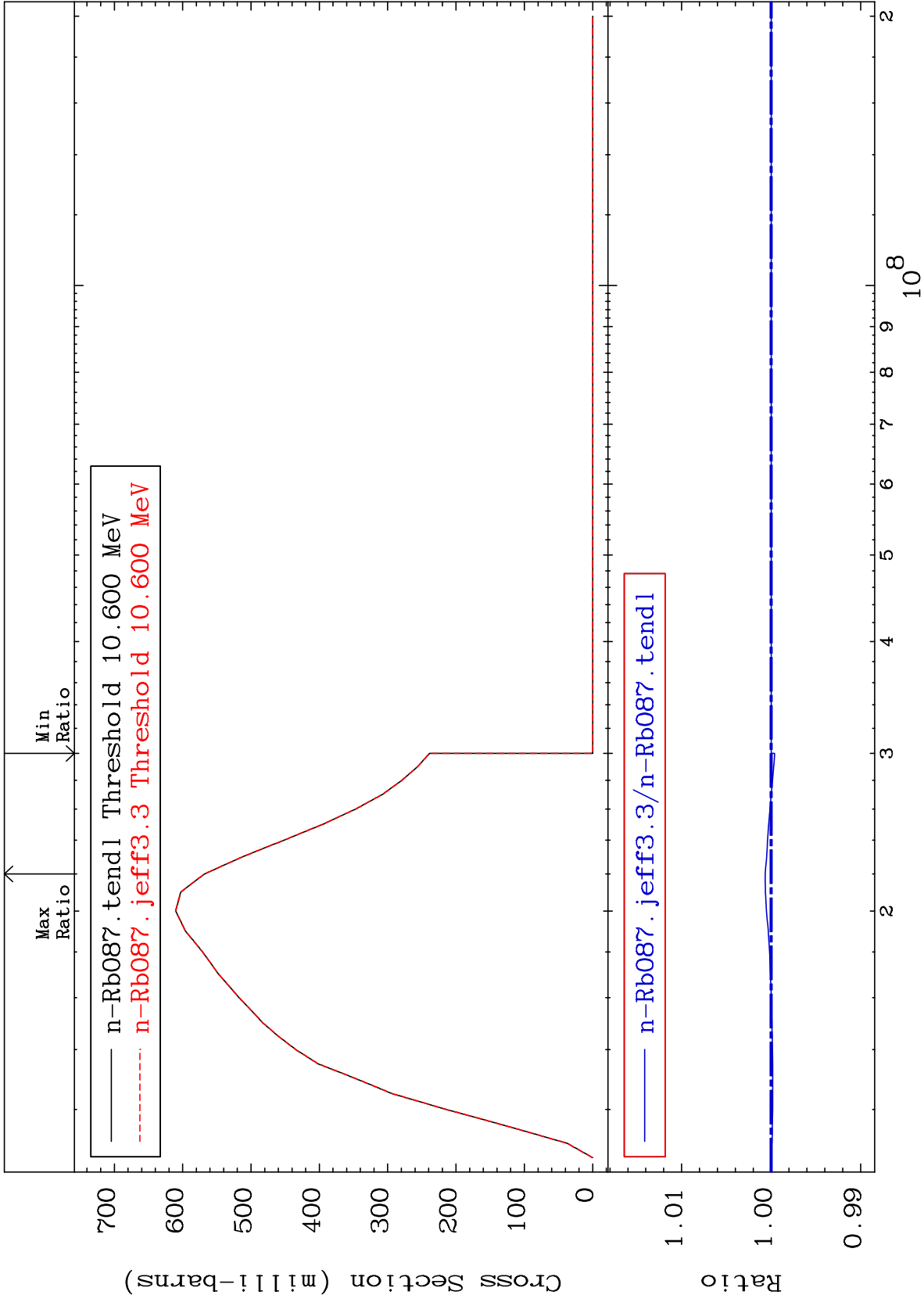
37-Rb-87

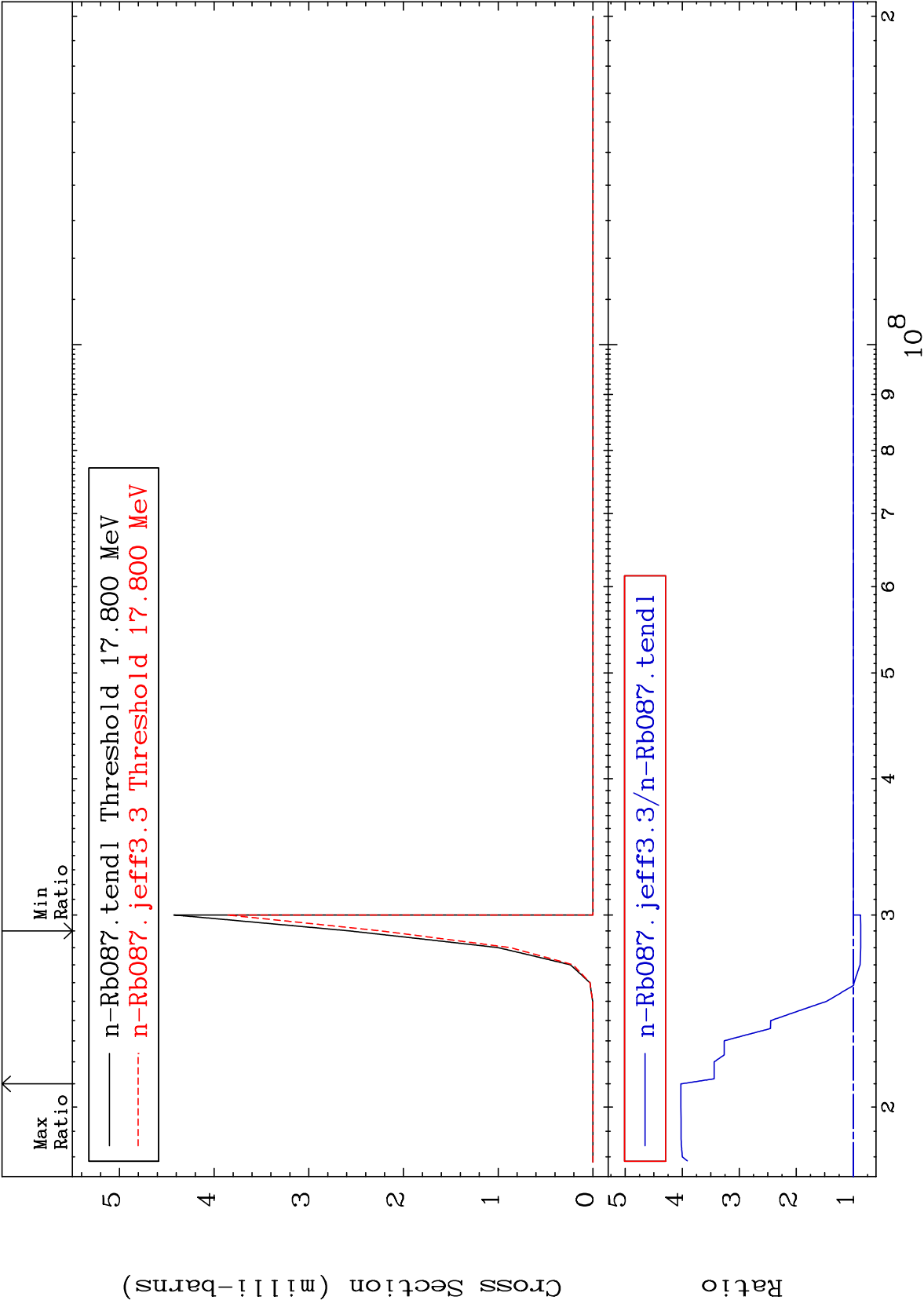
Radionuclide Production Cross Section

-0.060 To 0.056 %

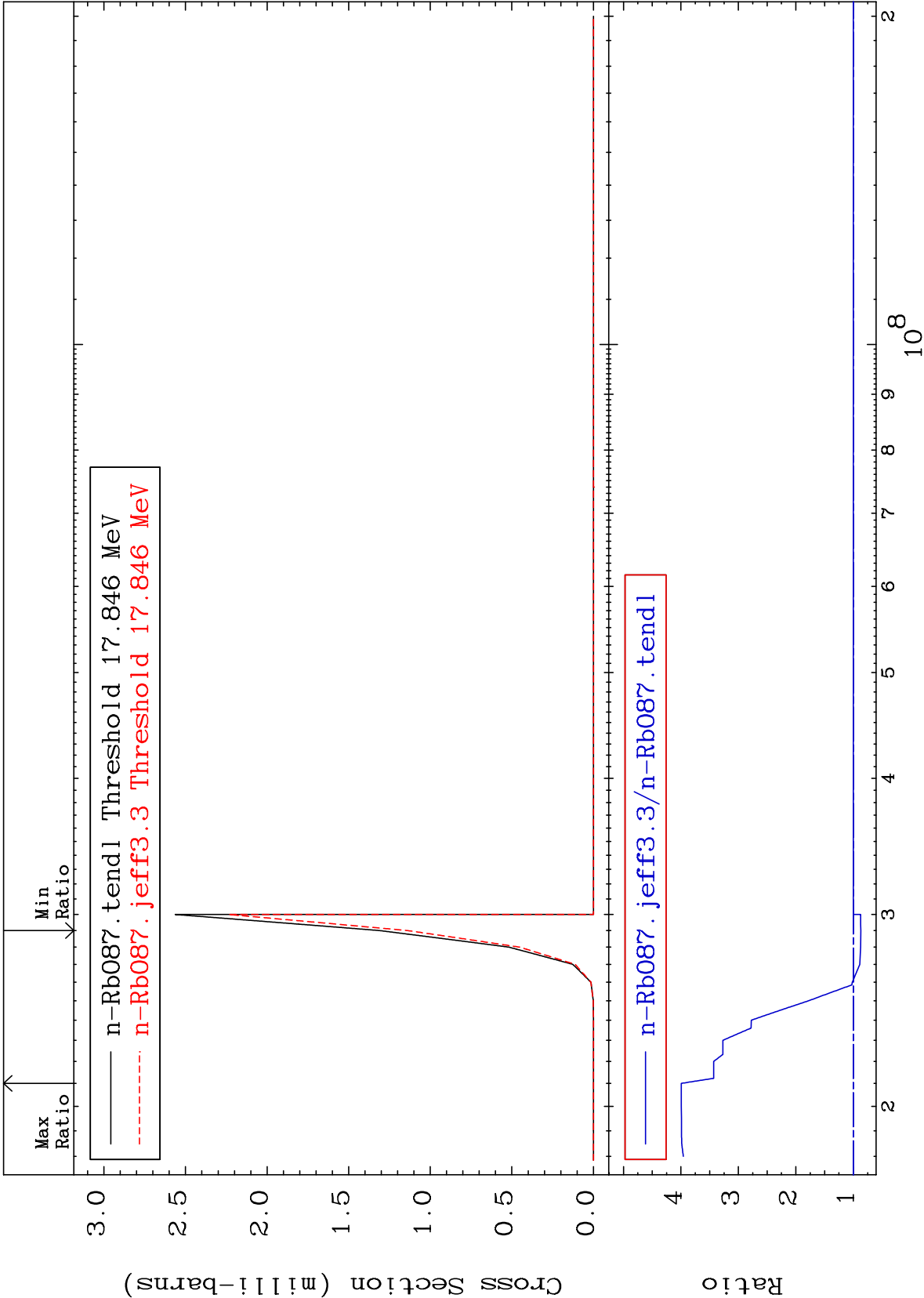


Radionuclide Production Cross Section    -0.039 To 0.067 %

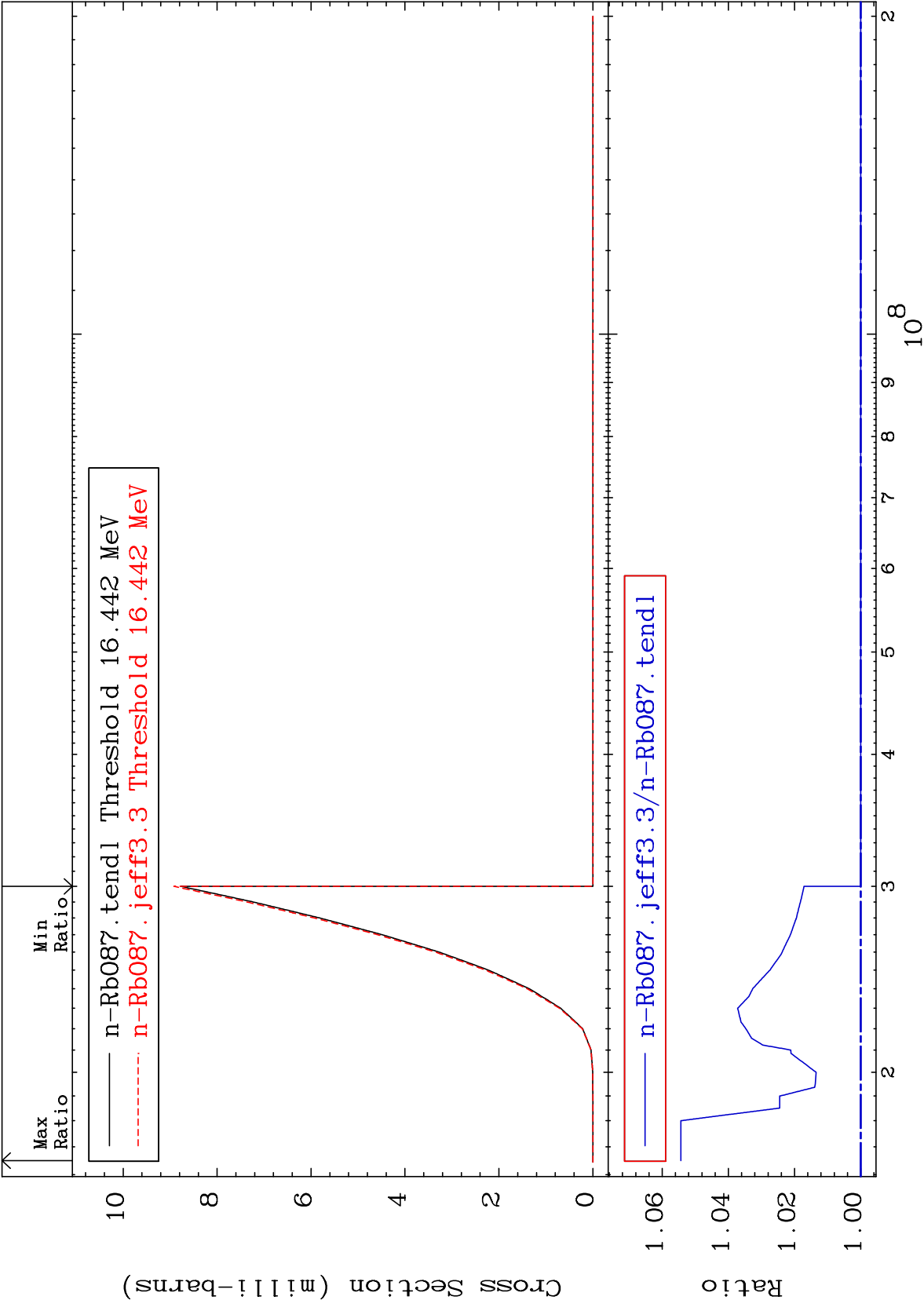




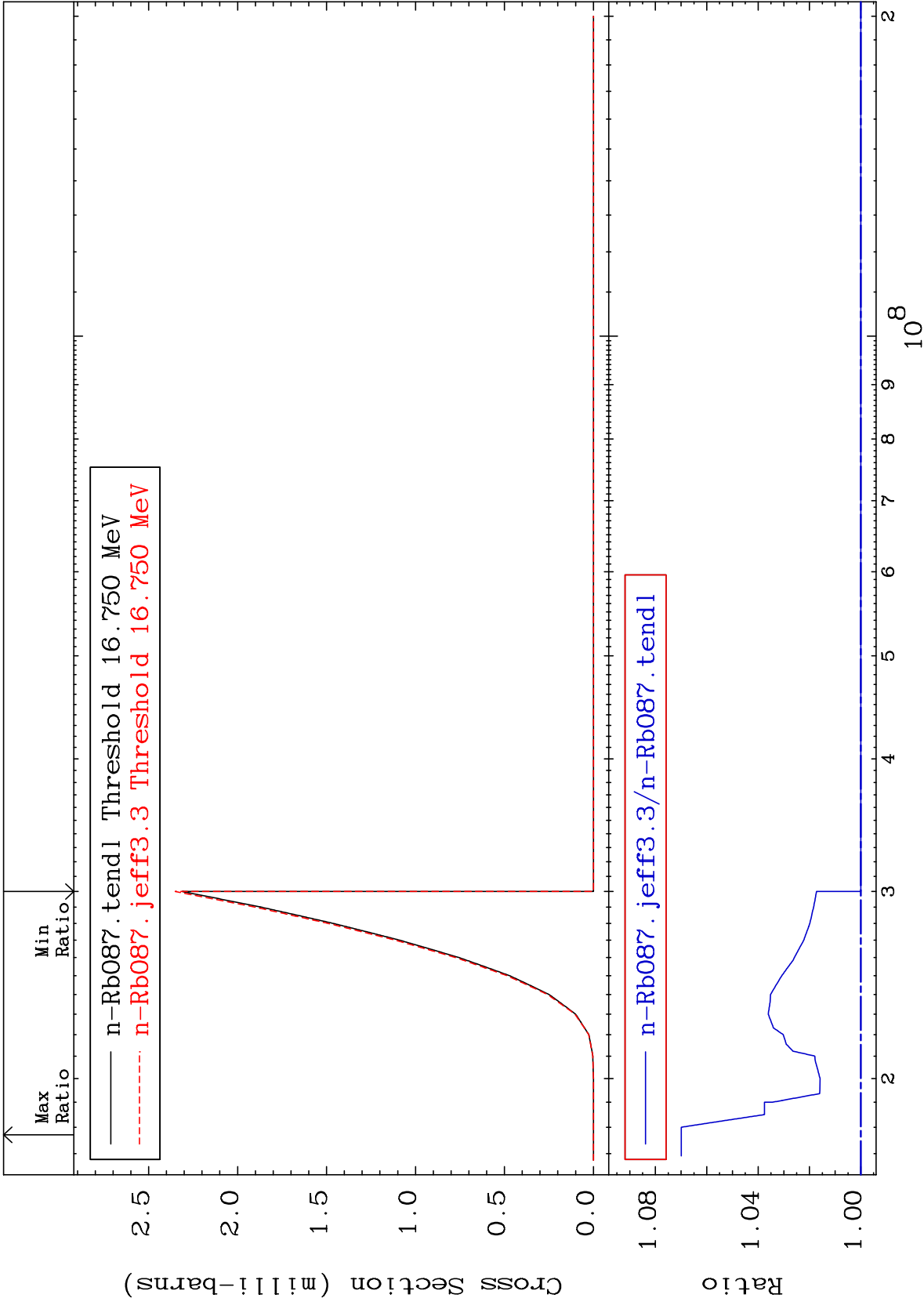
Radionuclide Production Cross Section    -13.10 To 299.4 %







Radionuclide Production Cross Section    0.000    To 6.992 %



MAT 3731

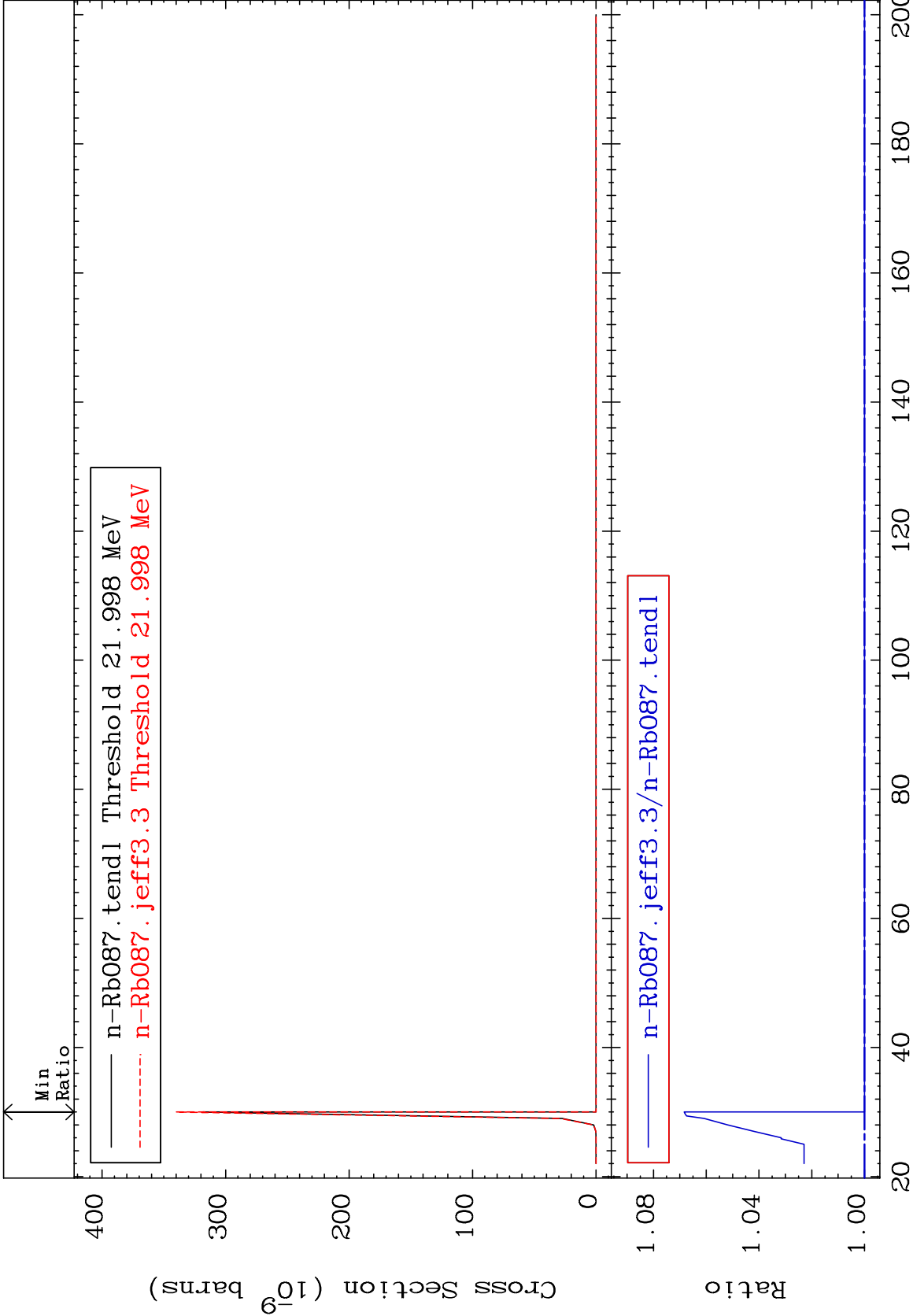
(n,n') He-3:35-Br-84g

<sup>37</sup>Rb-87

Radionuclide Production Cross Section

0.000

To 6.834 %



MAT 3731

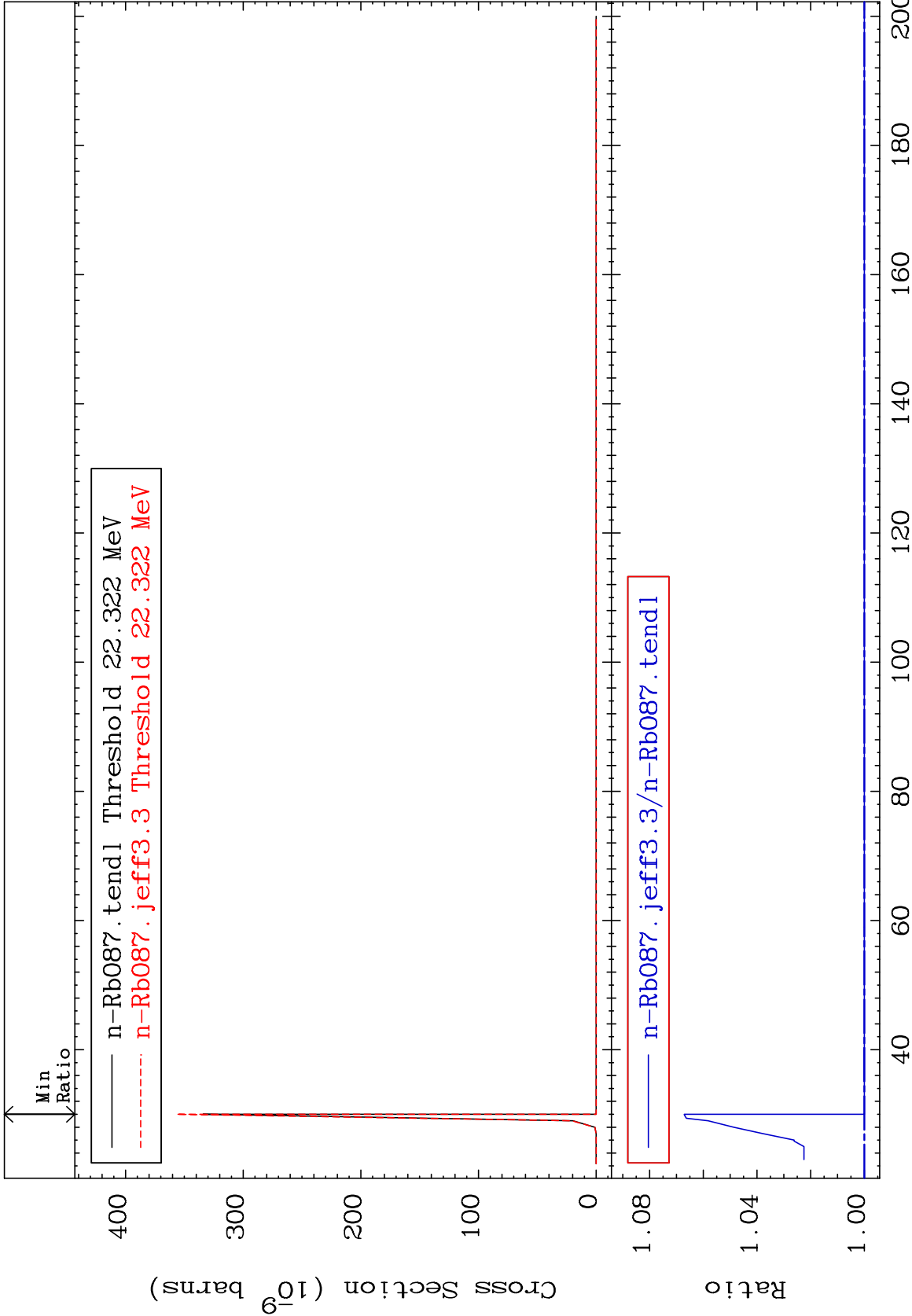
(n,n') He-3:35-Br-84m1

37-Rb-87

Radionuclide Production Cross Section

0.000

To 6.708 %



60

Incident Energy (MeV)

37-Rb-87

MAT 3731

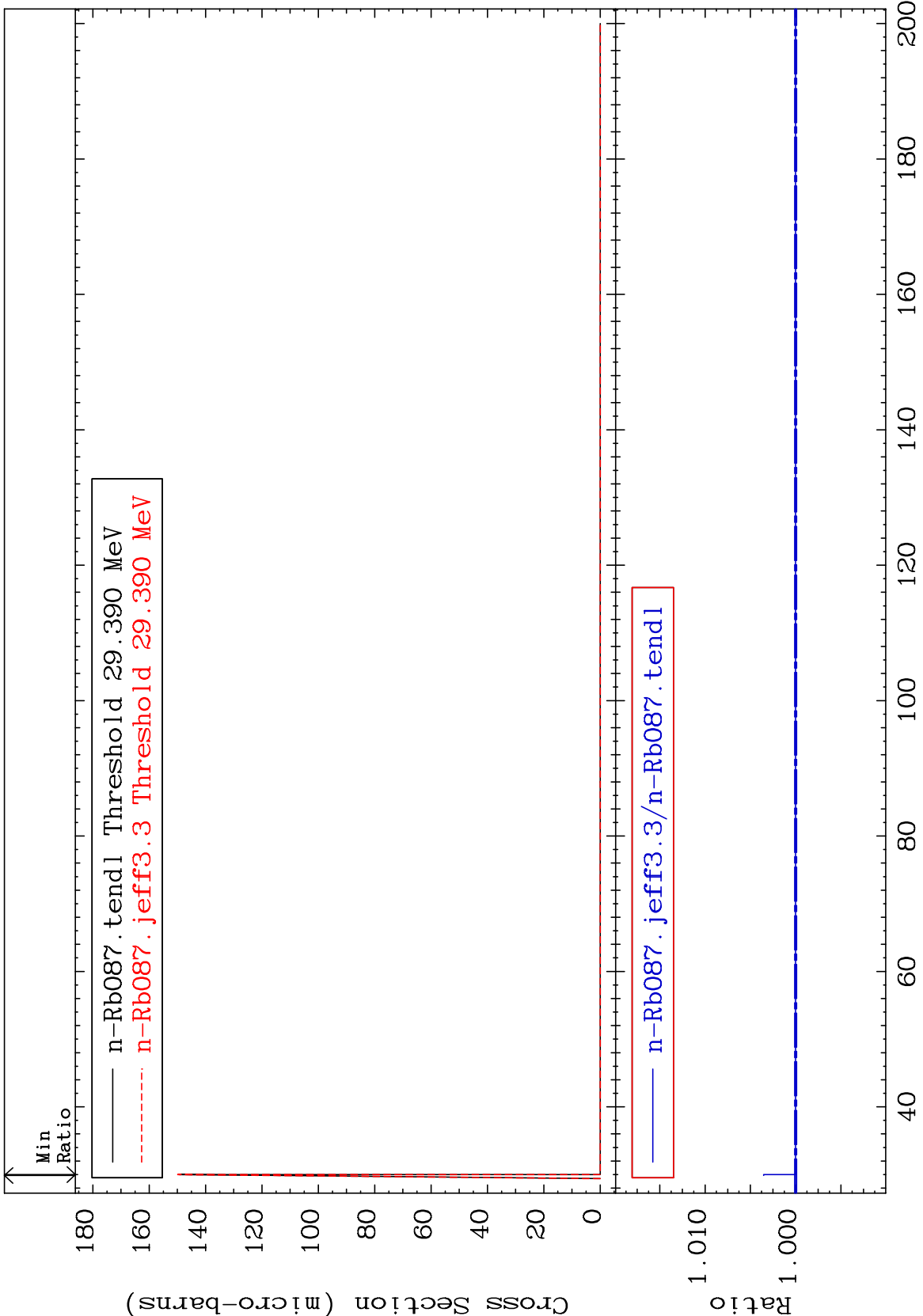
(n,4n):37-Rb-84g

37-Rb-87

Radionuclide Production Cross Section

0.000

To 0.353 %



MAT 3731

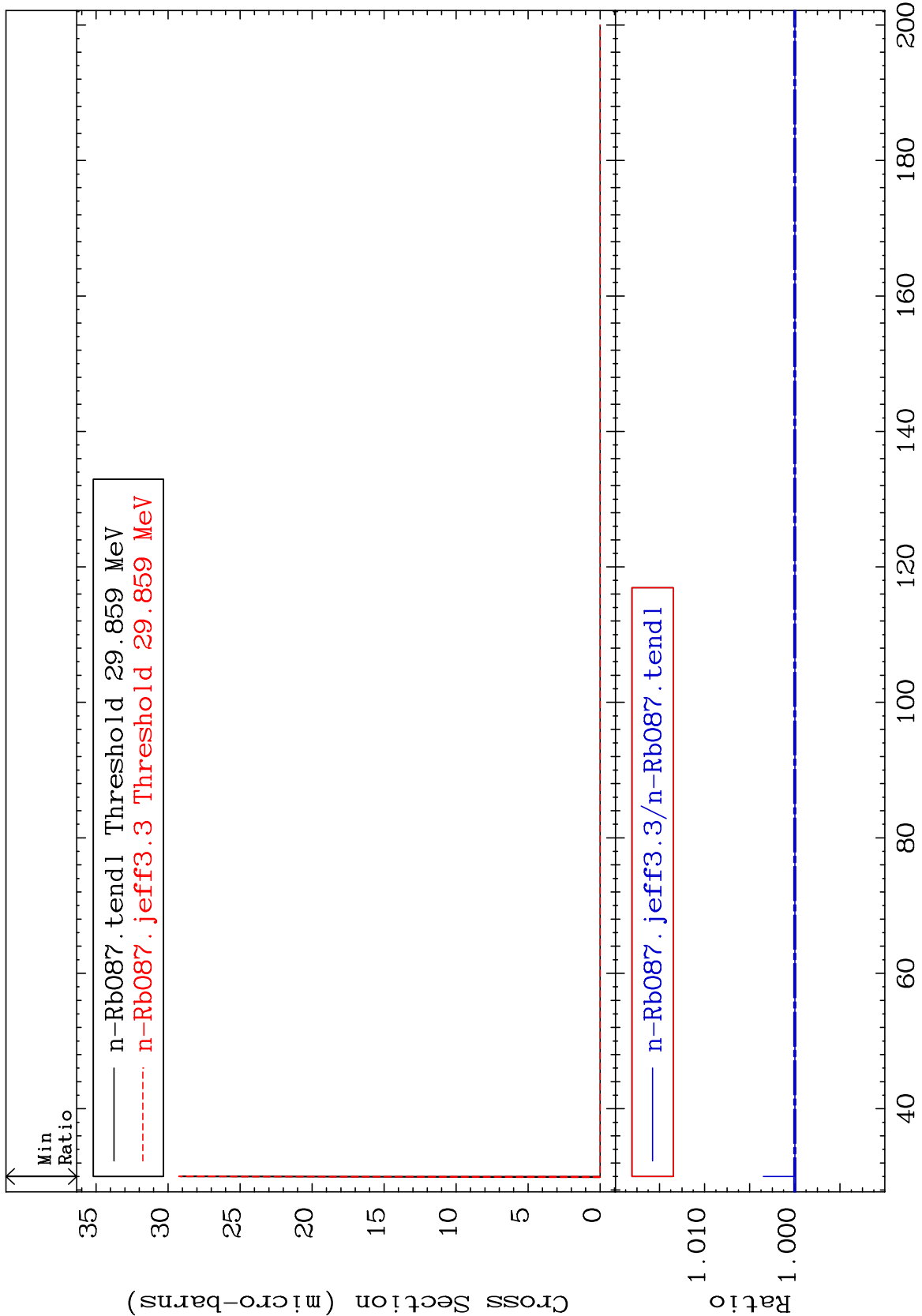
(n,4n):37-Rb-84m2

37-Rb-87

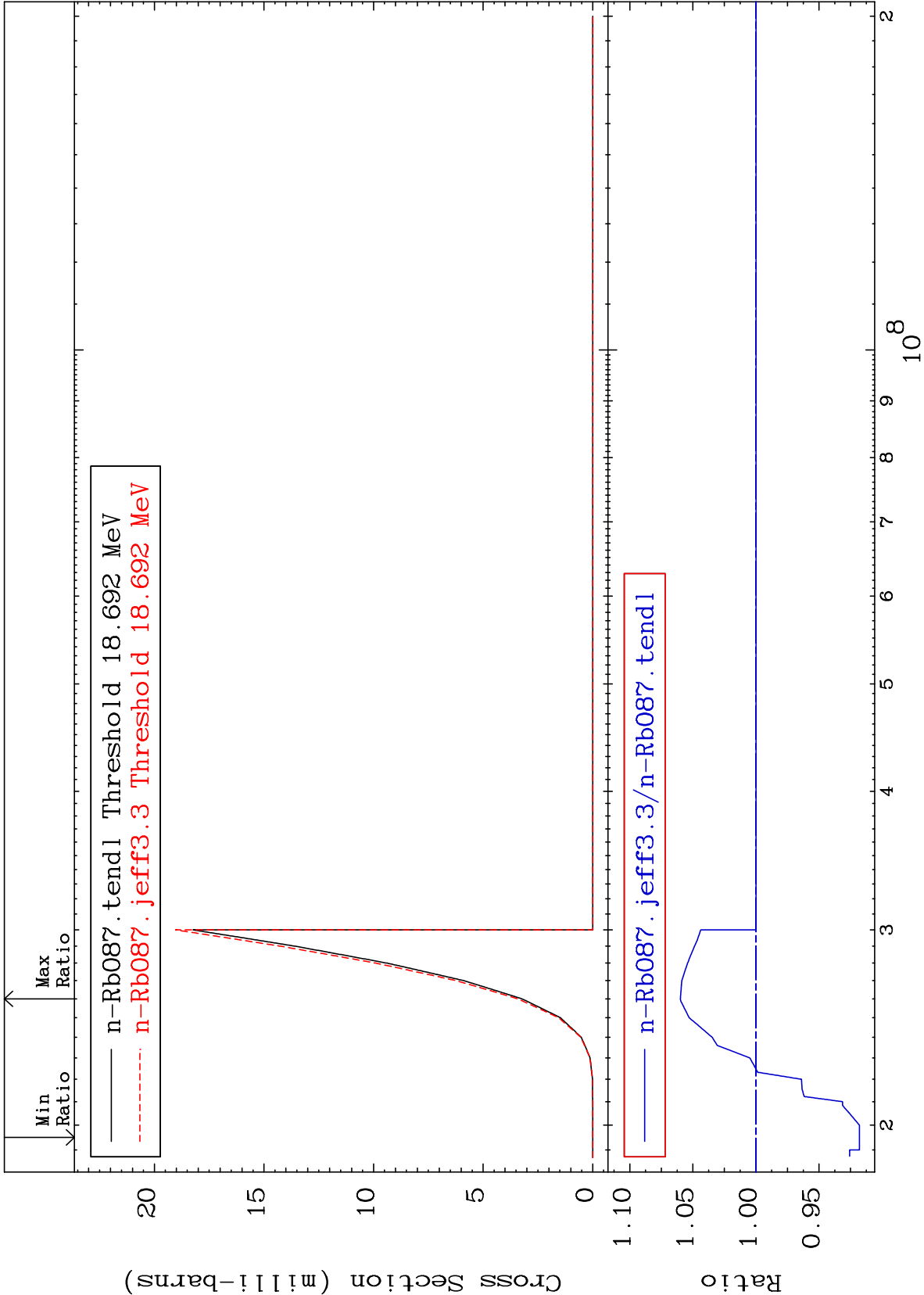
Radionuclide Production Cross Section

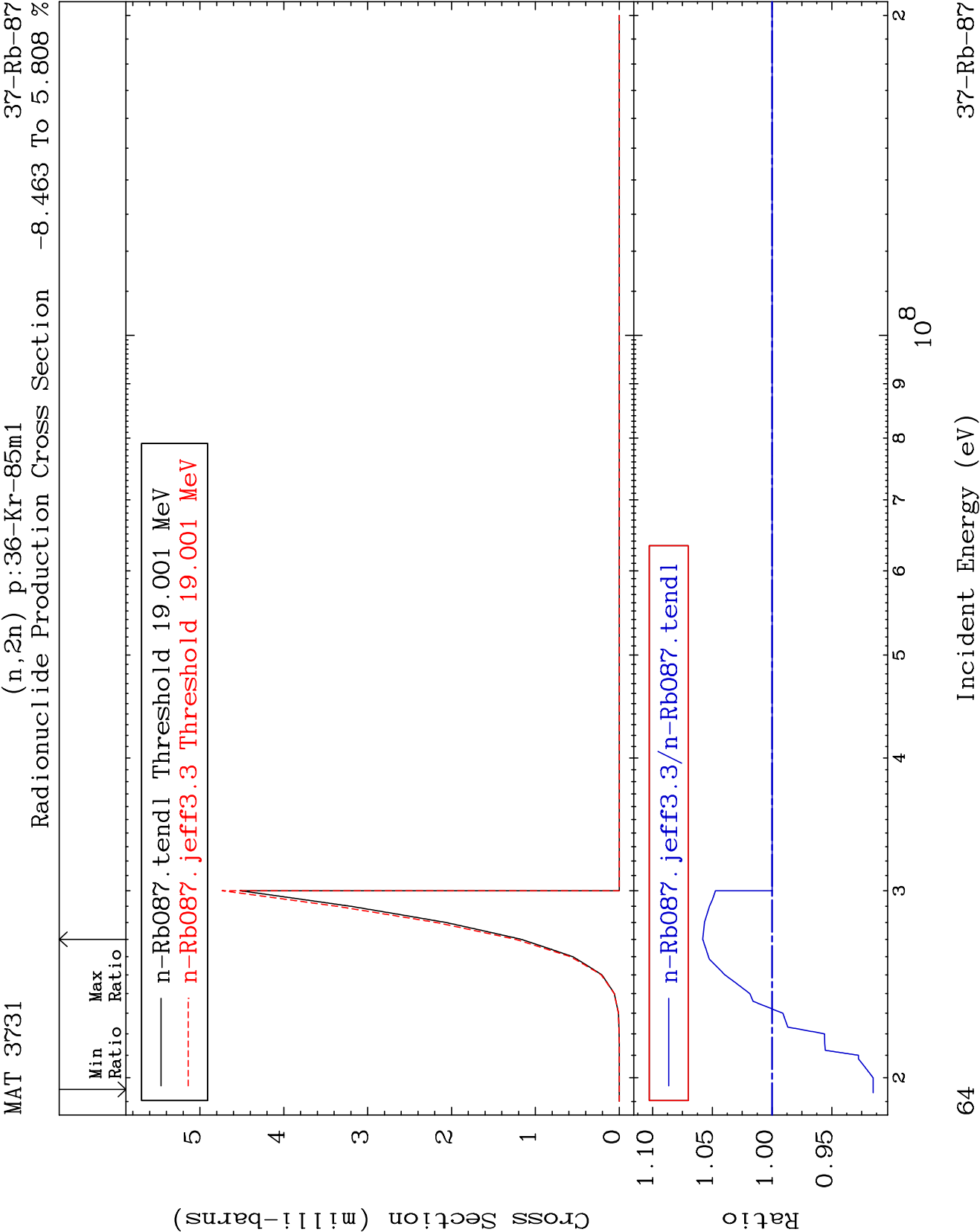
0.000

To 0.350 %

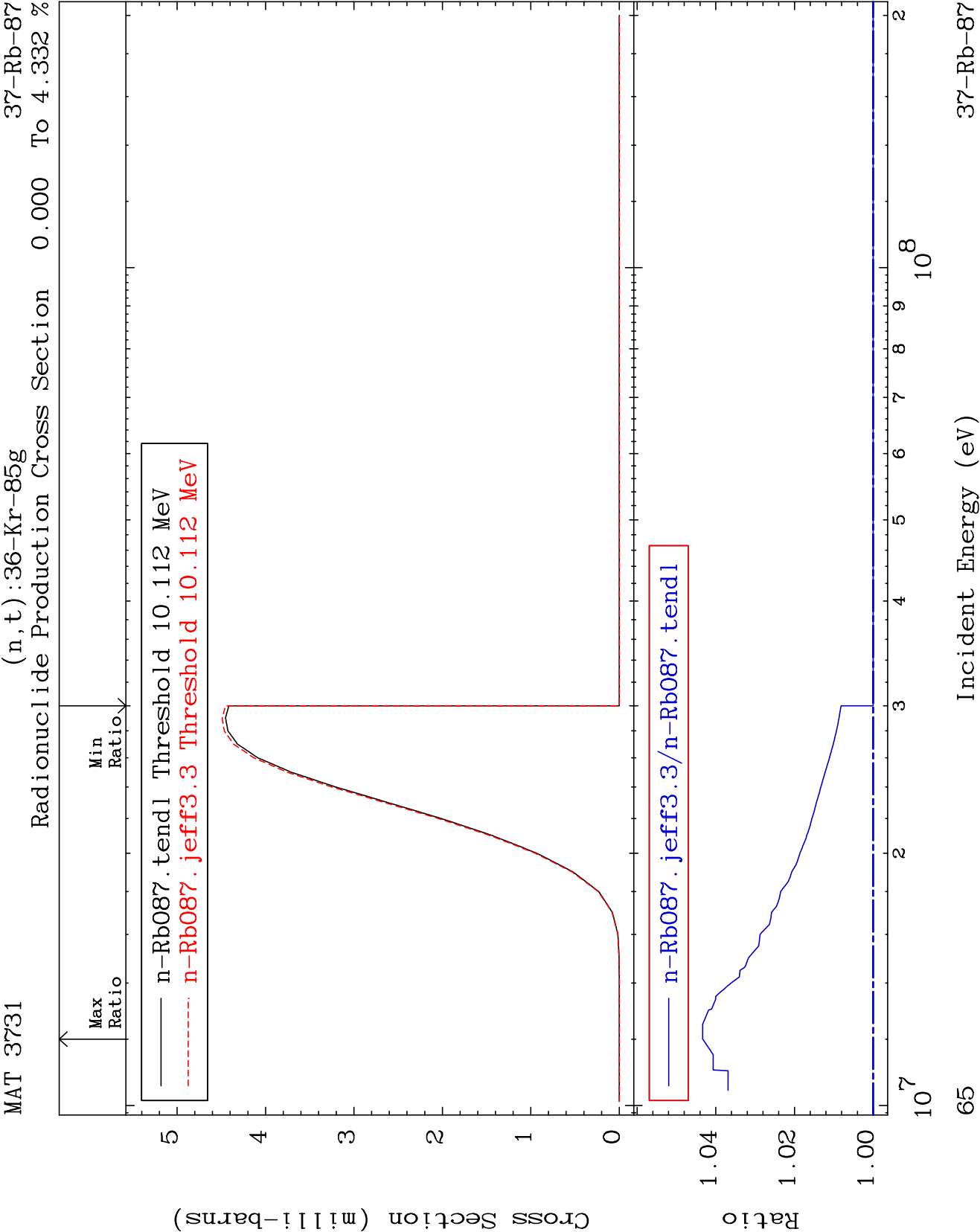


Radionuclide Production Cross Section -8.203 To 5.991 %

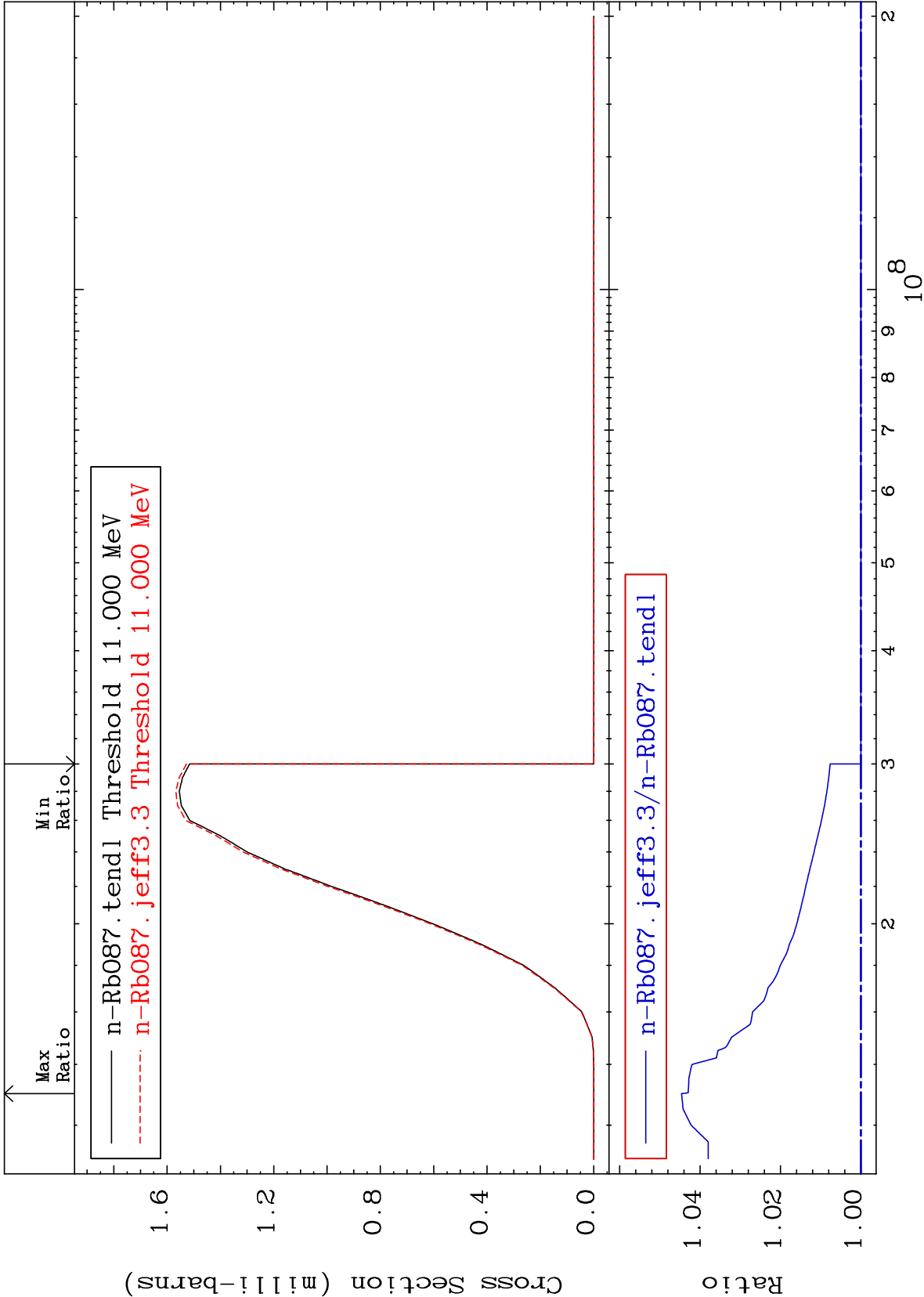




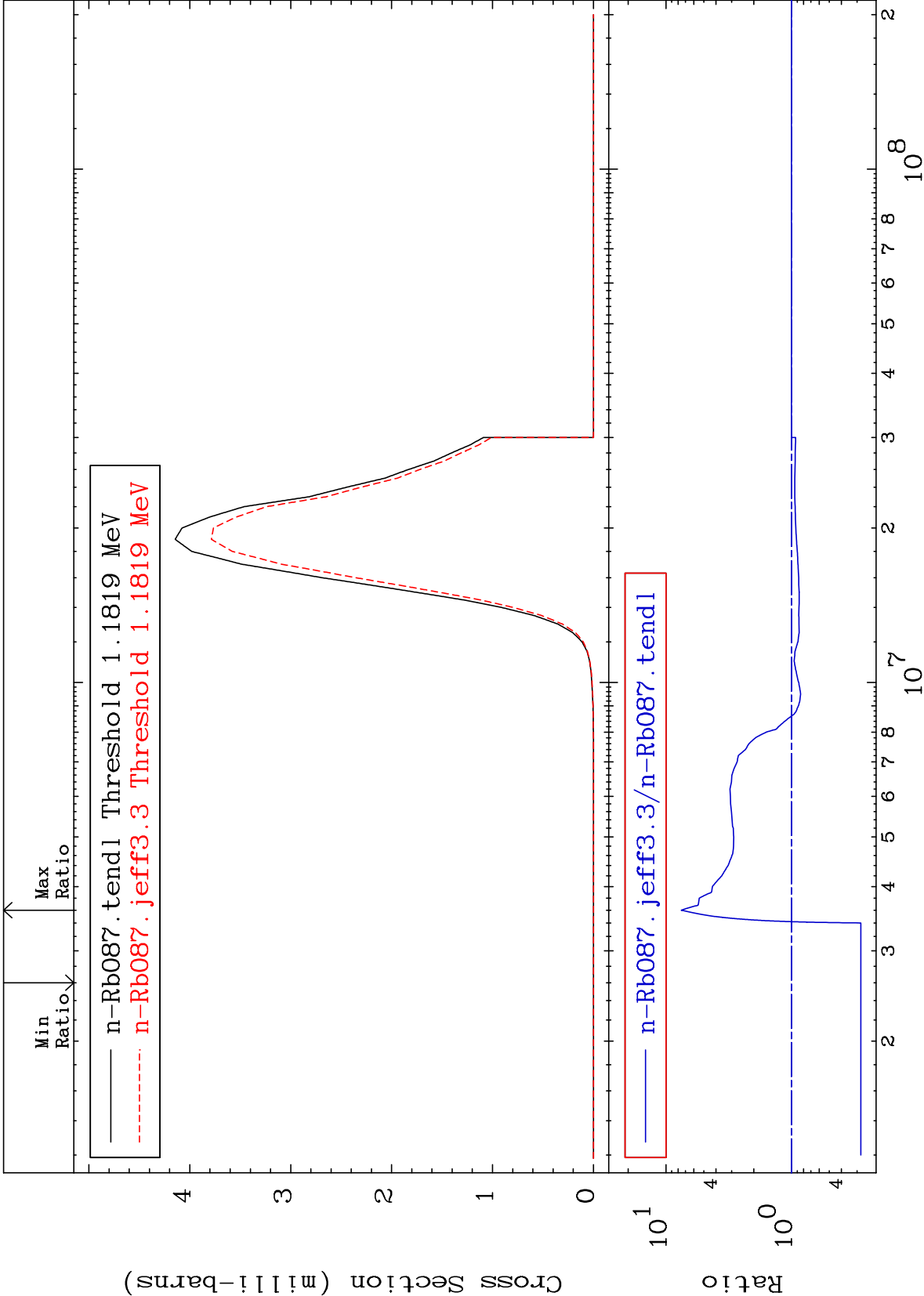




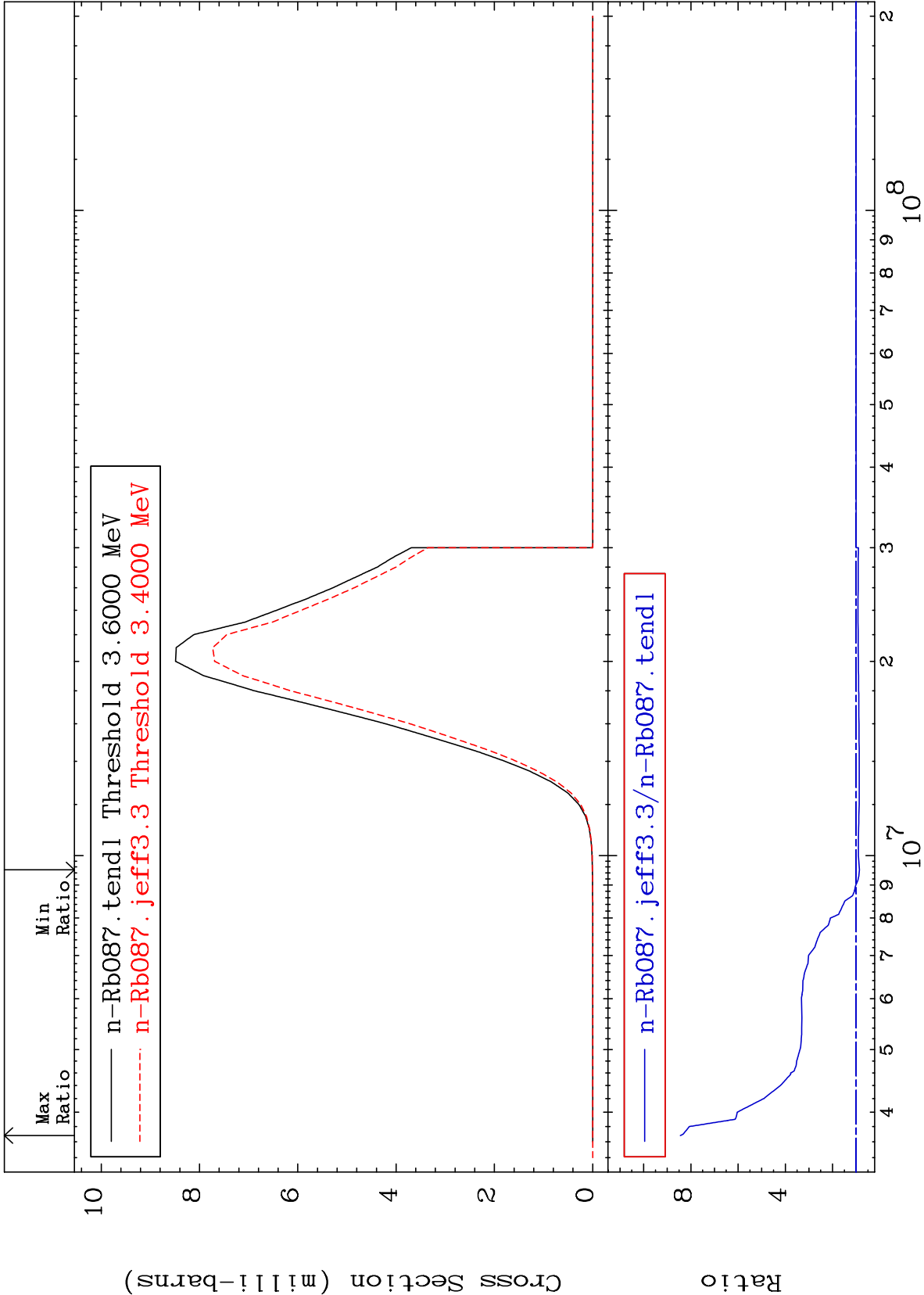
Radionuclide Production Cross Section    0.000    To 4.461 %



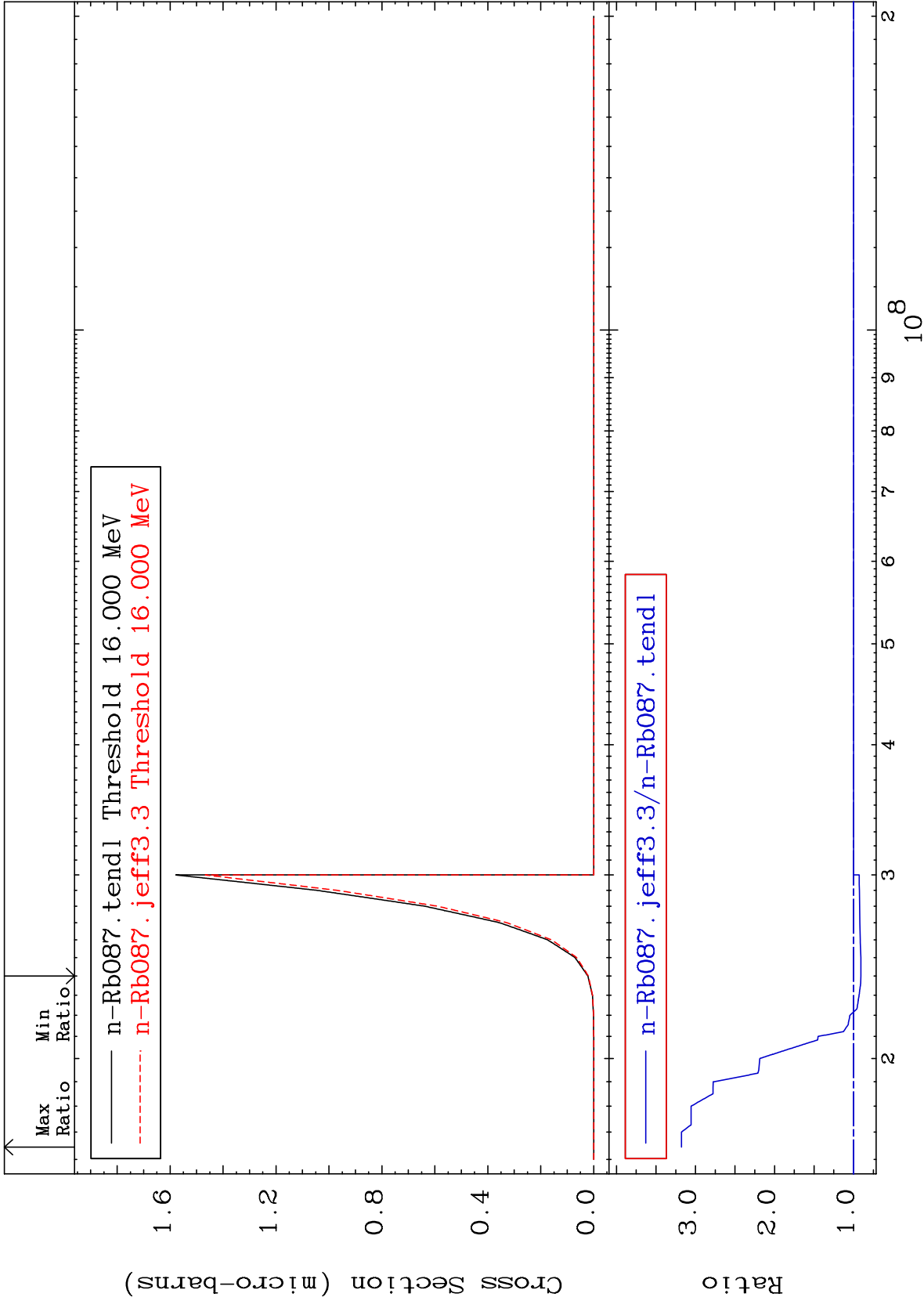
Radionuclide Production Cross Section    -72.00 To 655.2 %

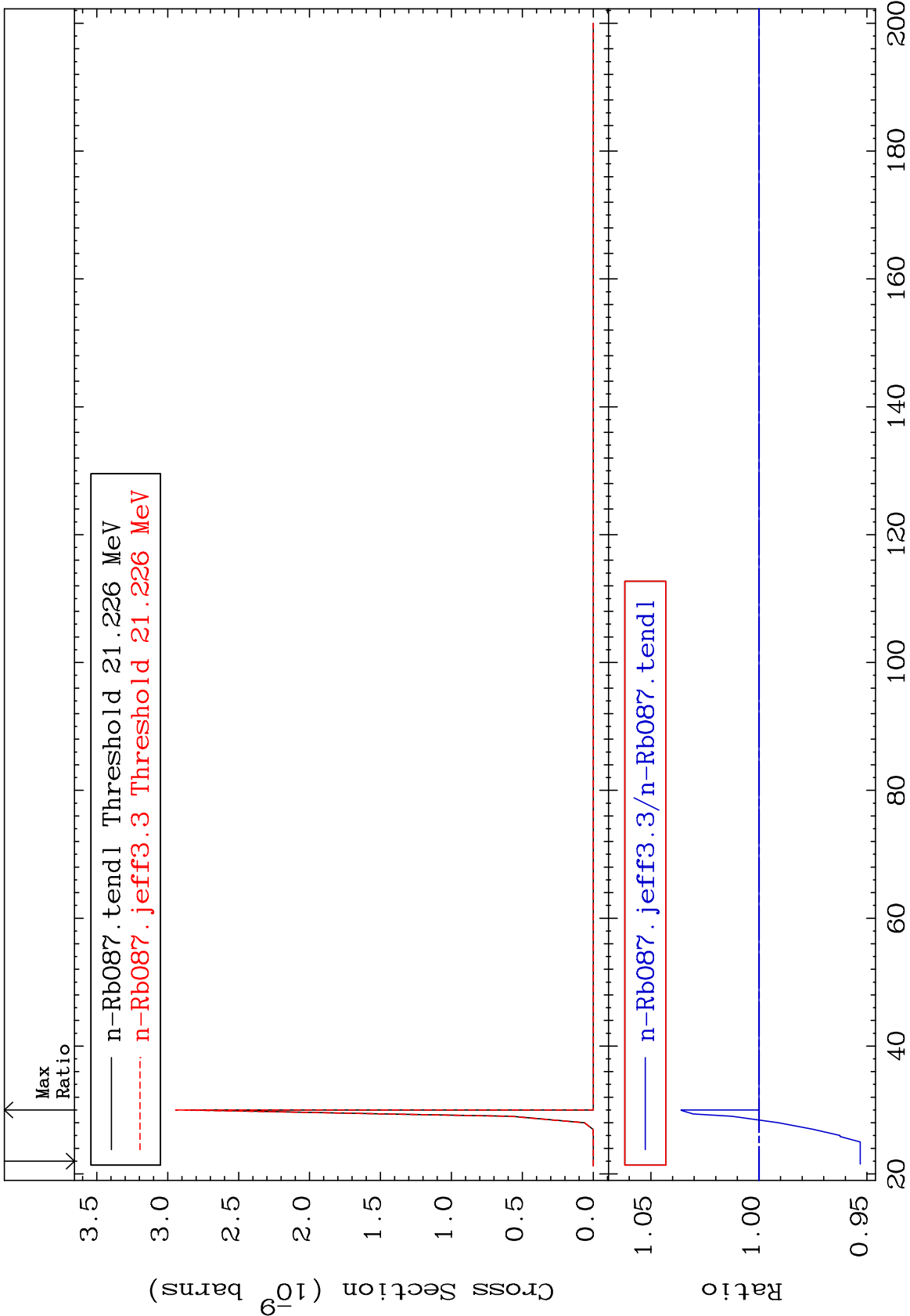


Radionuclide Production Cross Section    -13.82 To 744.5 %









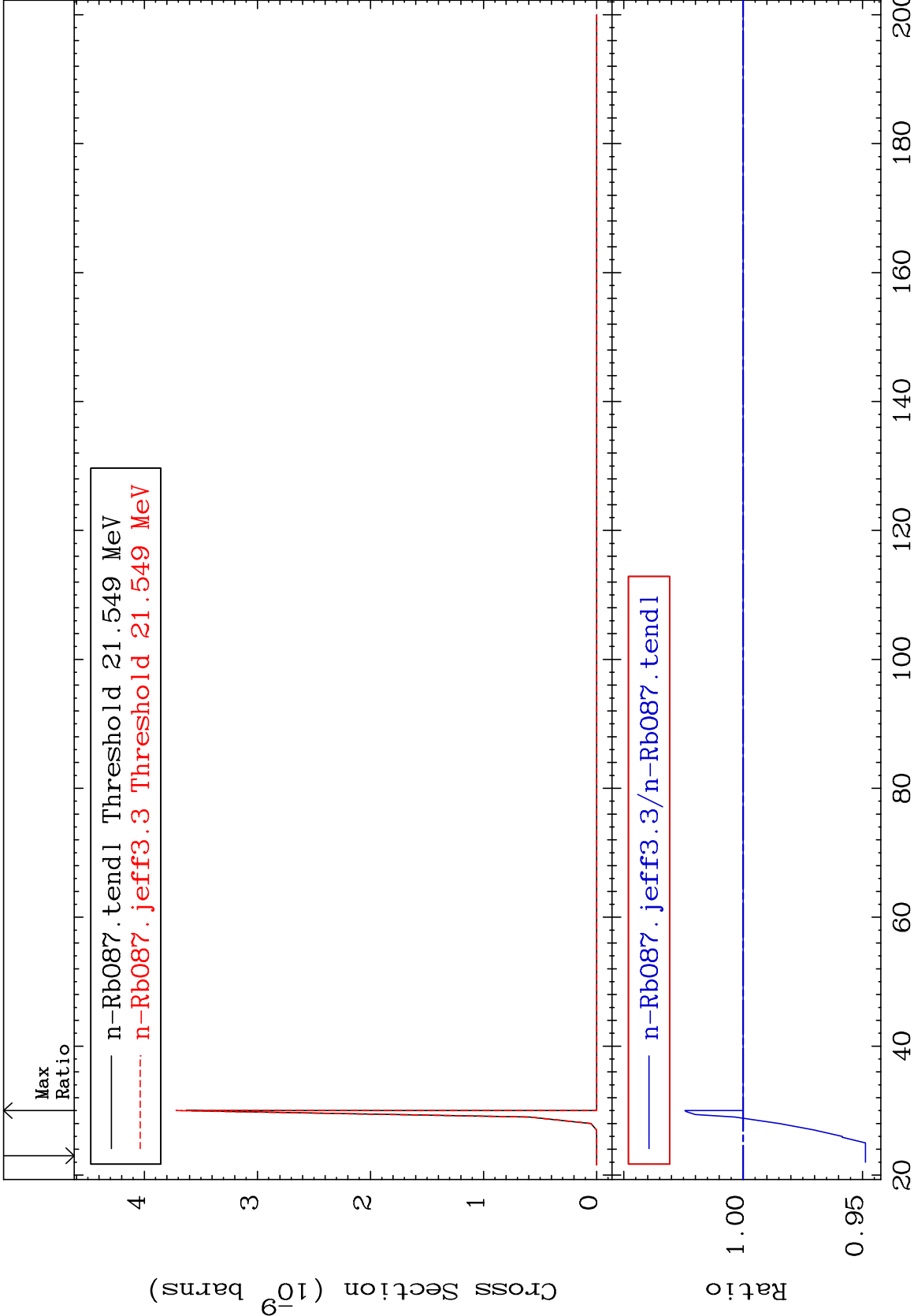
MAT 3731

(n,p) t:35-Br-84m1

37-Rb-87

Radionuclide Production Cross Section

-5.128 To 2.437 %



72

Incident Energy (MeV)

37-Rb-87