

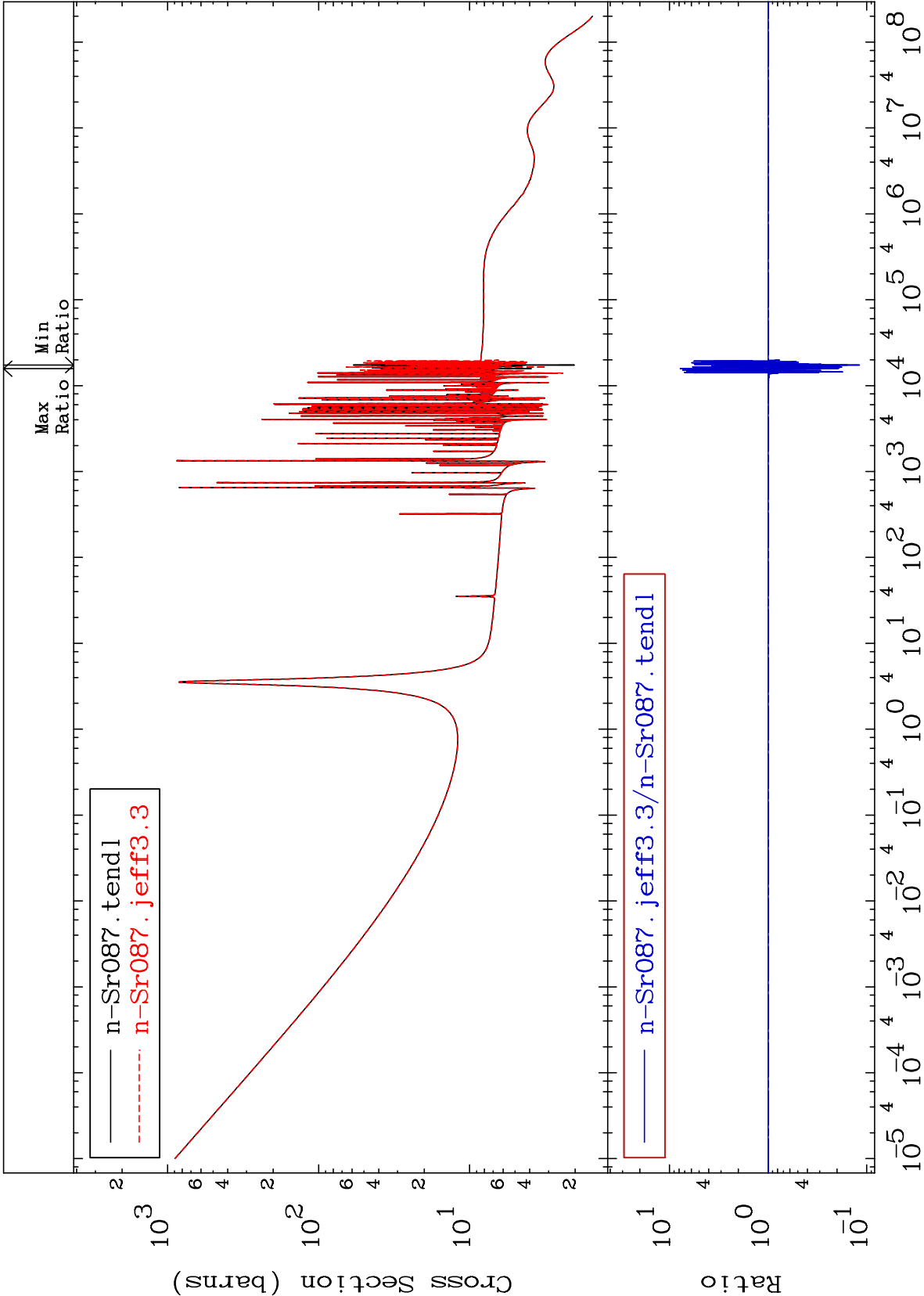
MAT 3834

Total

³⁸Sr-87

Cross Section

-88.13 To 679.3 %



Incident Energy (eV)

³⁸Sr-87

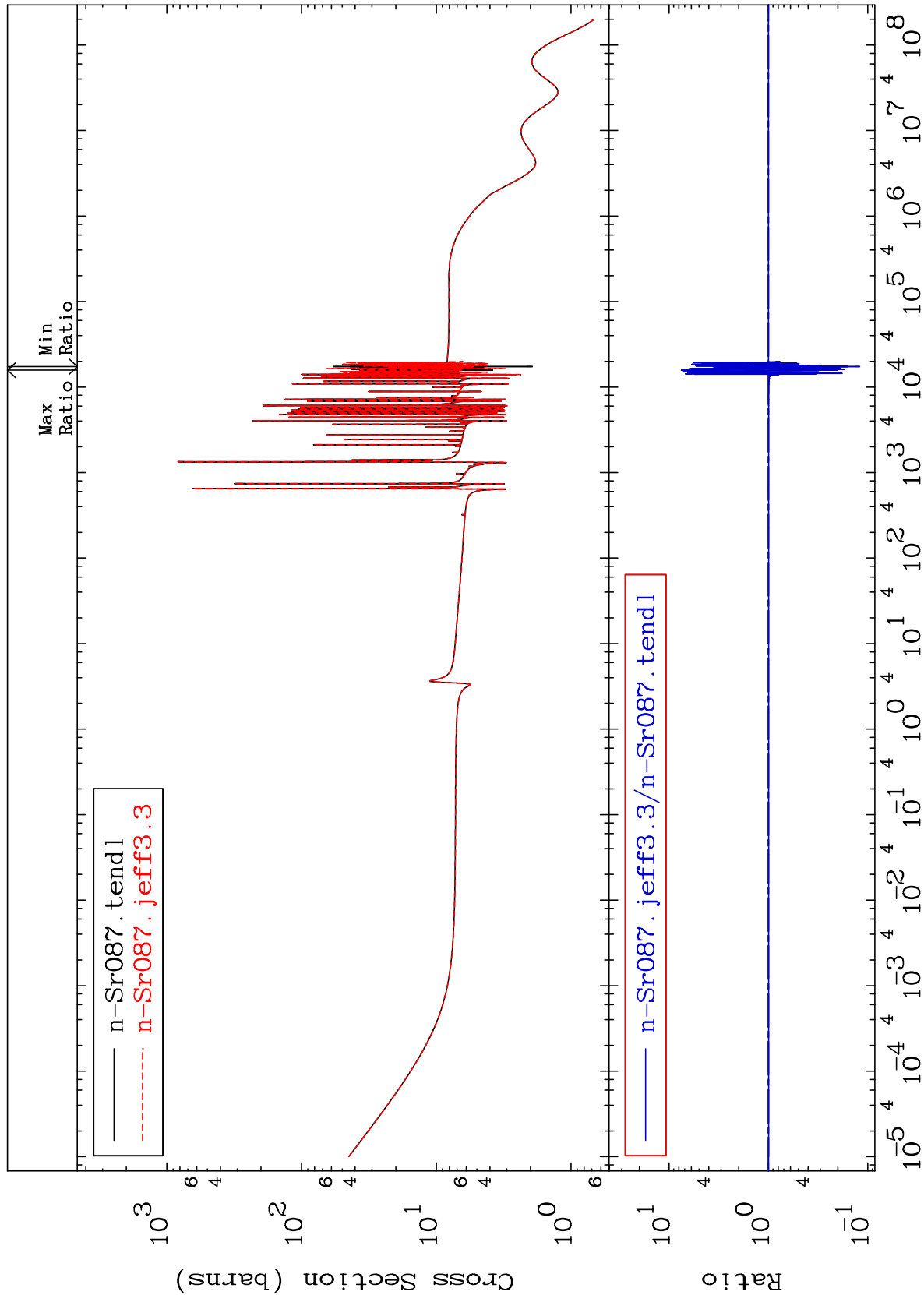
MAT 3834

Elastic

Cross Section

³⁸Sr-87

-87.92 To 657.2 %



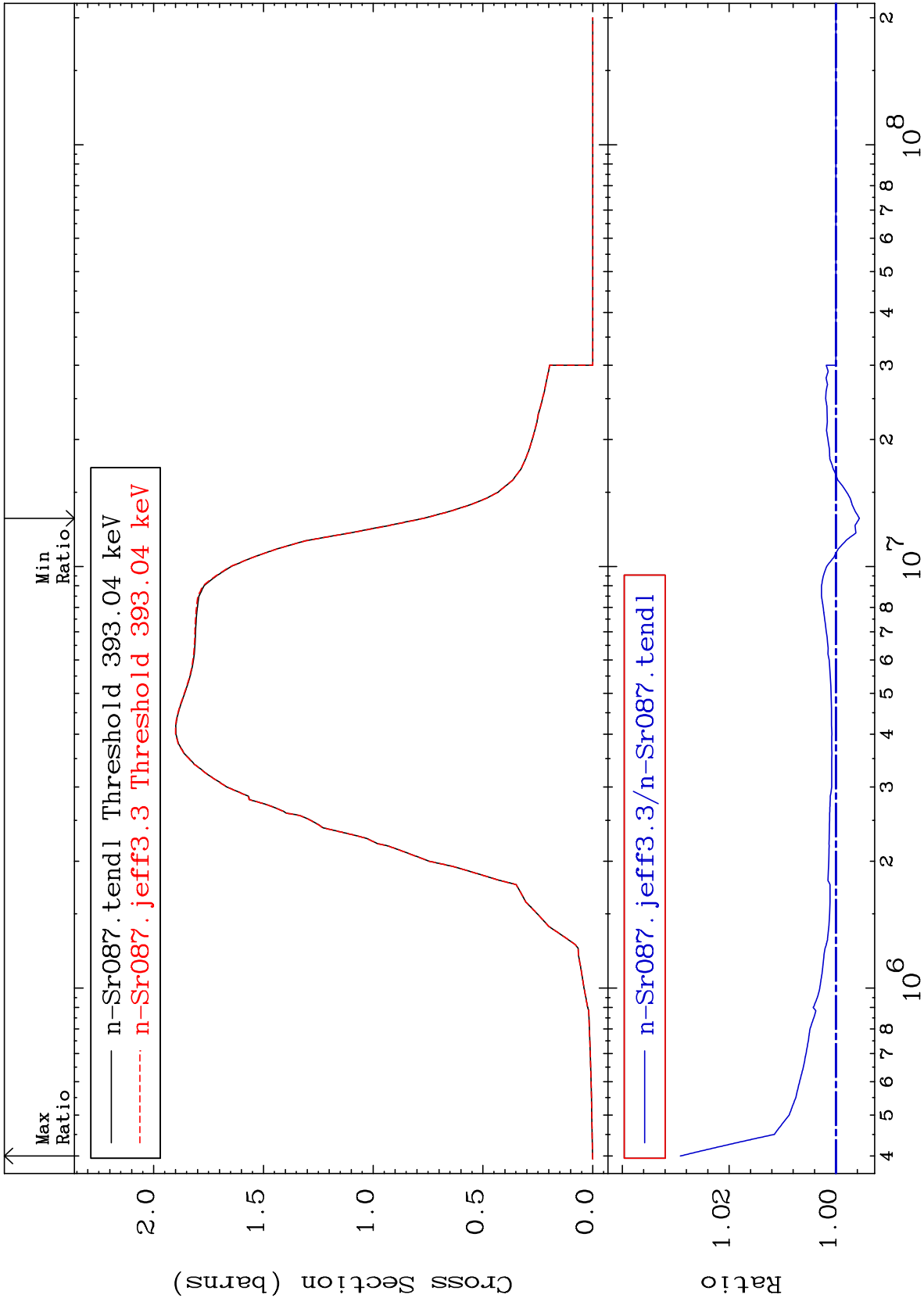
Incident Energy (eV)

³⁸Sr-87

MAT 3834

Inelastic
Cross Section

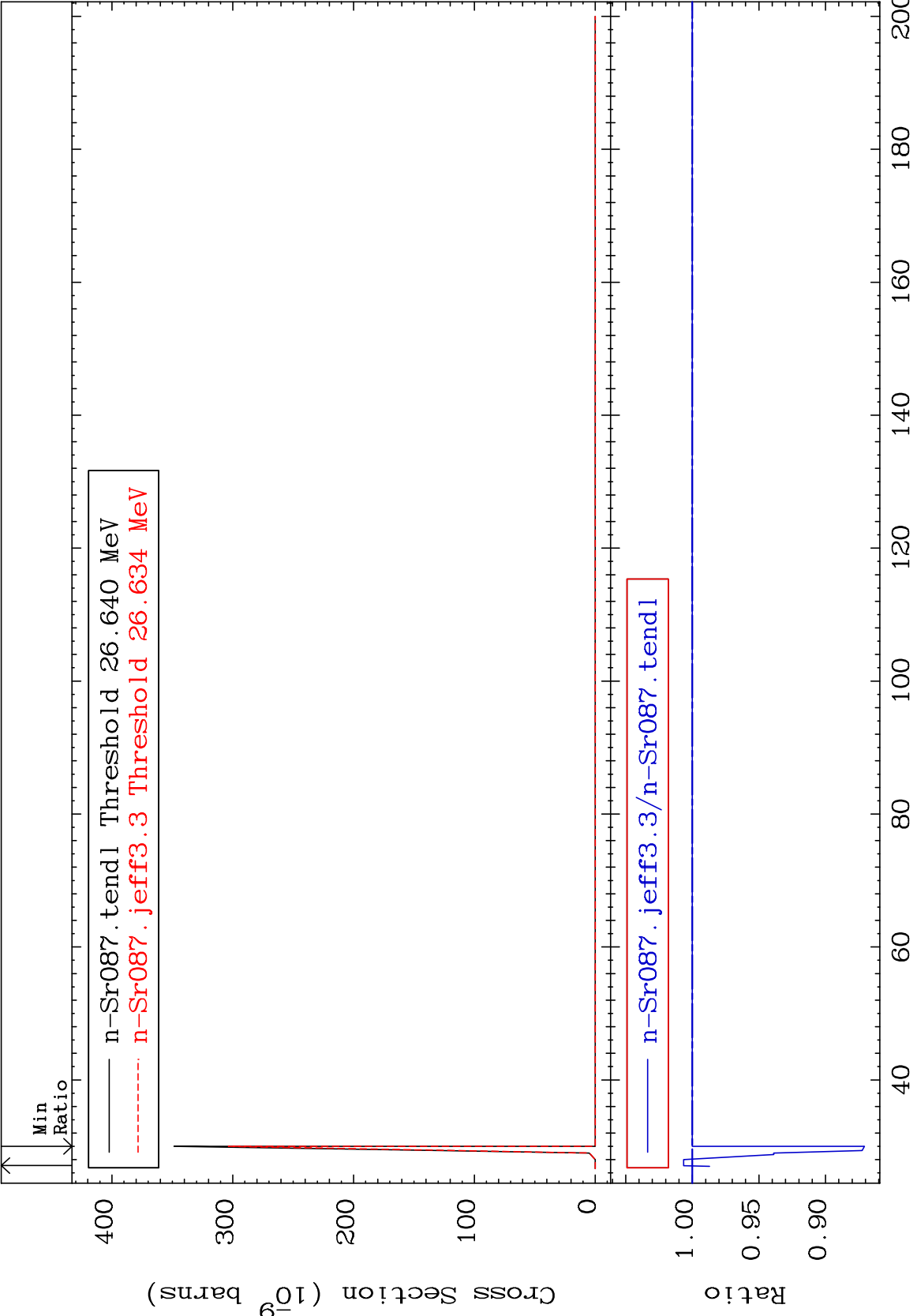
38-Sr-87
-0.440 To 2.913 %



MAT 3834

(n,2n) d
Cross Section

38-Sr-87
-12.92 To 0.649 %



MAT 3834

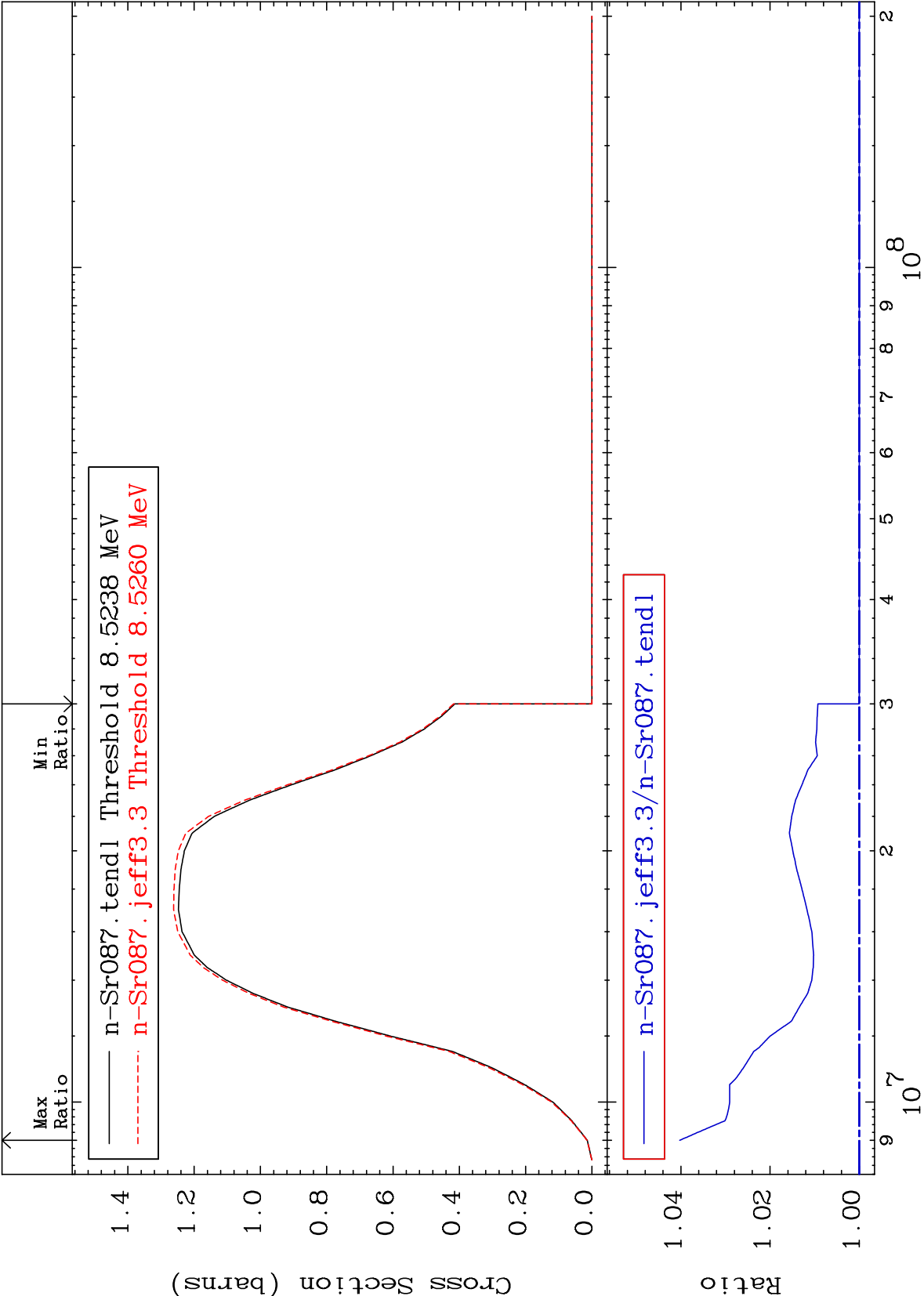
(n,2n)

³⁸Sr-⁸⁷

Cross Section

0.000

To 4.025 %



MAT 3834

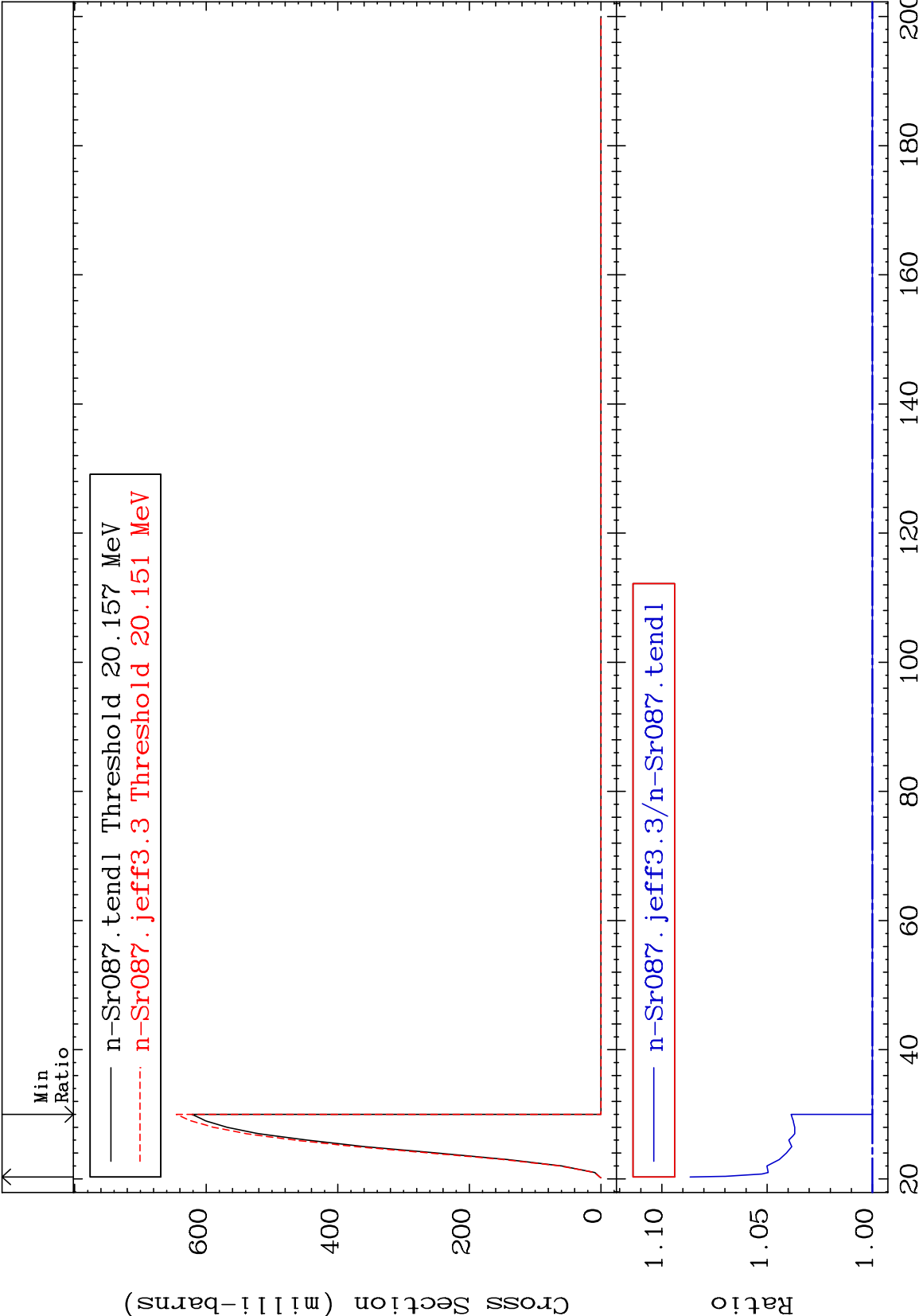
(n,3n)

³⁸Sr-87

Cross Section

0.000

To 8.655 %



Incident Energy (MeV)

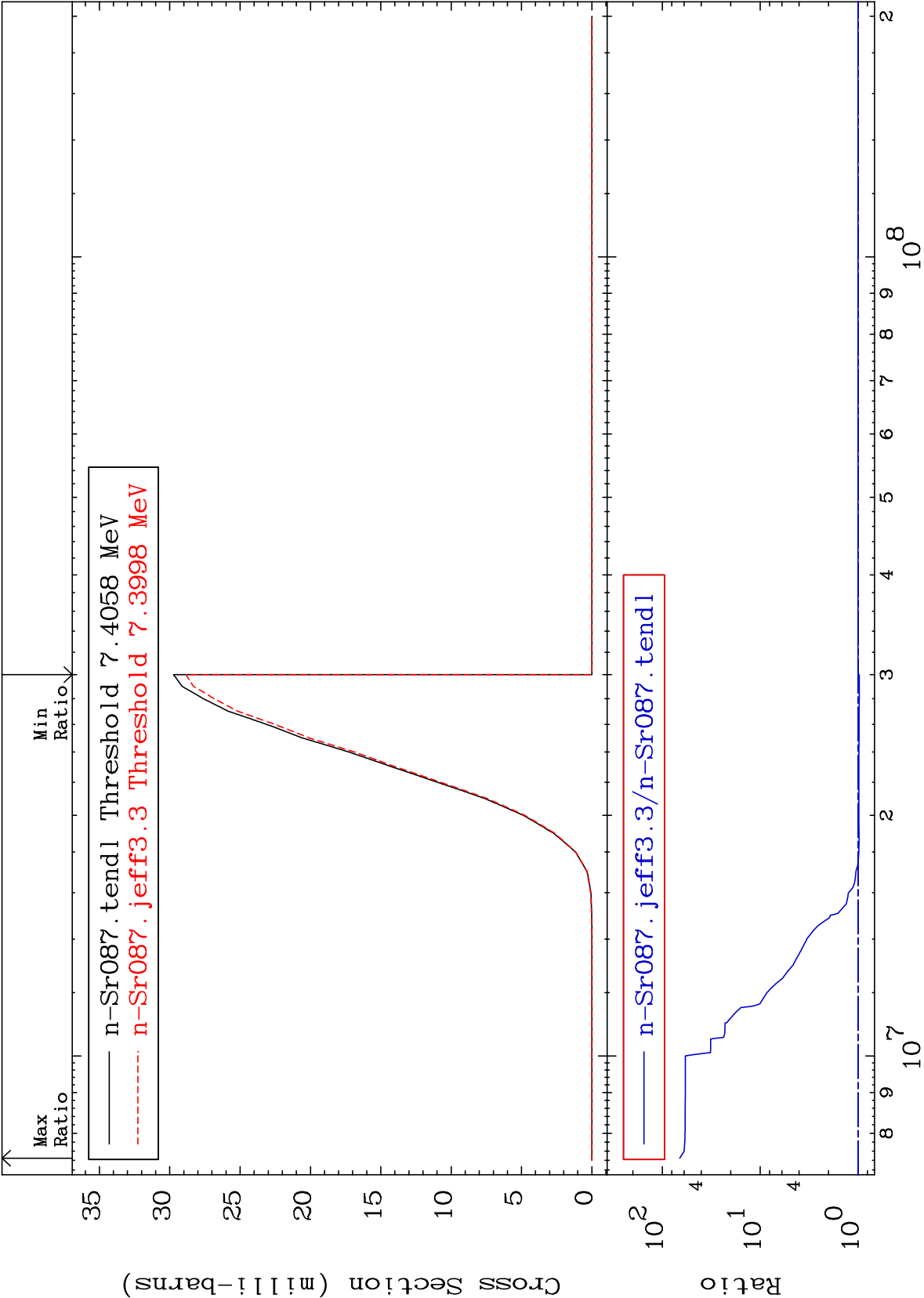
³⁸Sr-87

6

MAT 3834

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

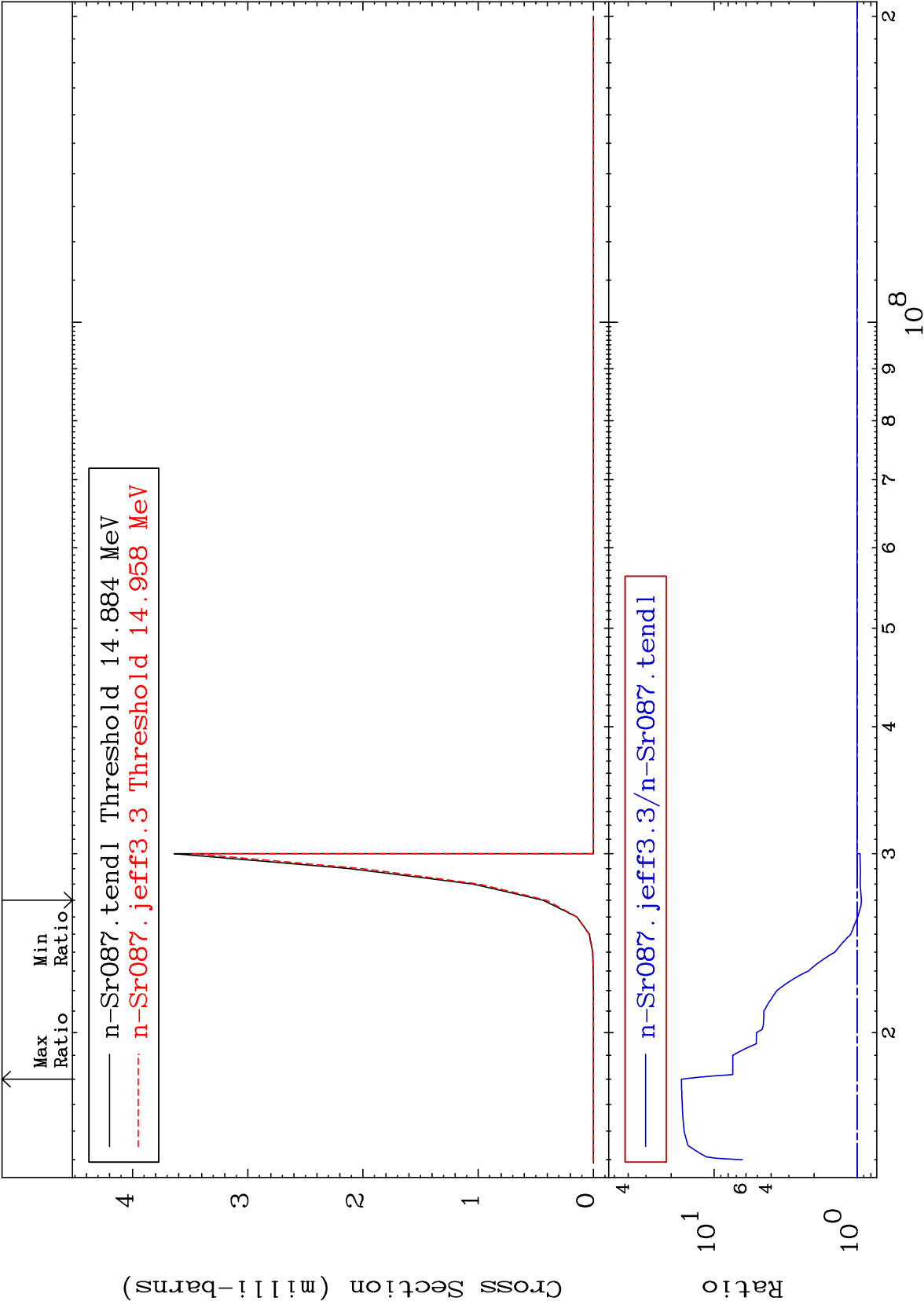
38-Sr-87
-2.958 To 6534. %



MAT 3834

(n,2n) α
Cross Section

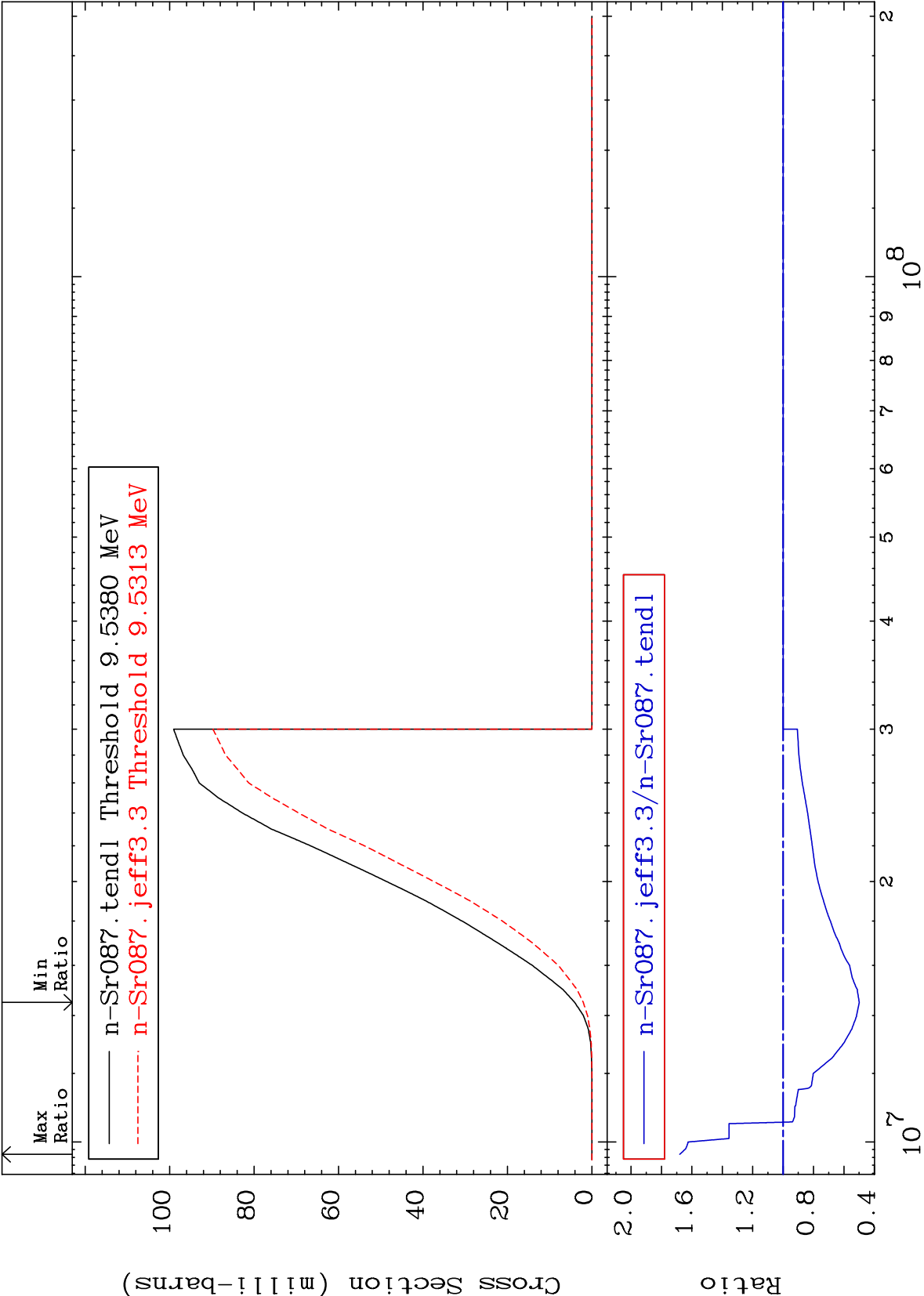
³⁸Sr-87
-6.748 To 1595. %



MAT 3834

(n,n') p
Cross Section

³⁸Sr-⁸⁷
-50.08 To 67.99 %



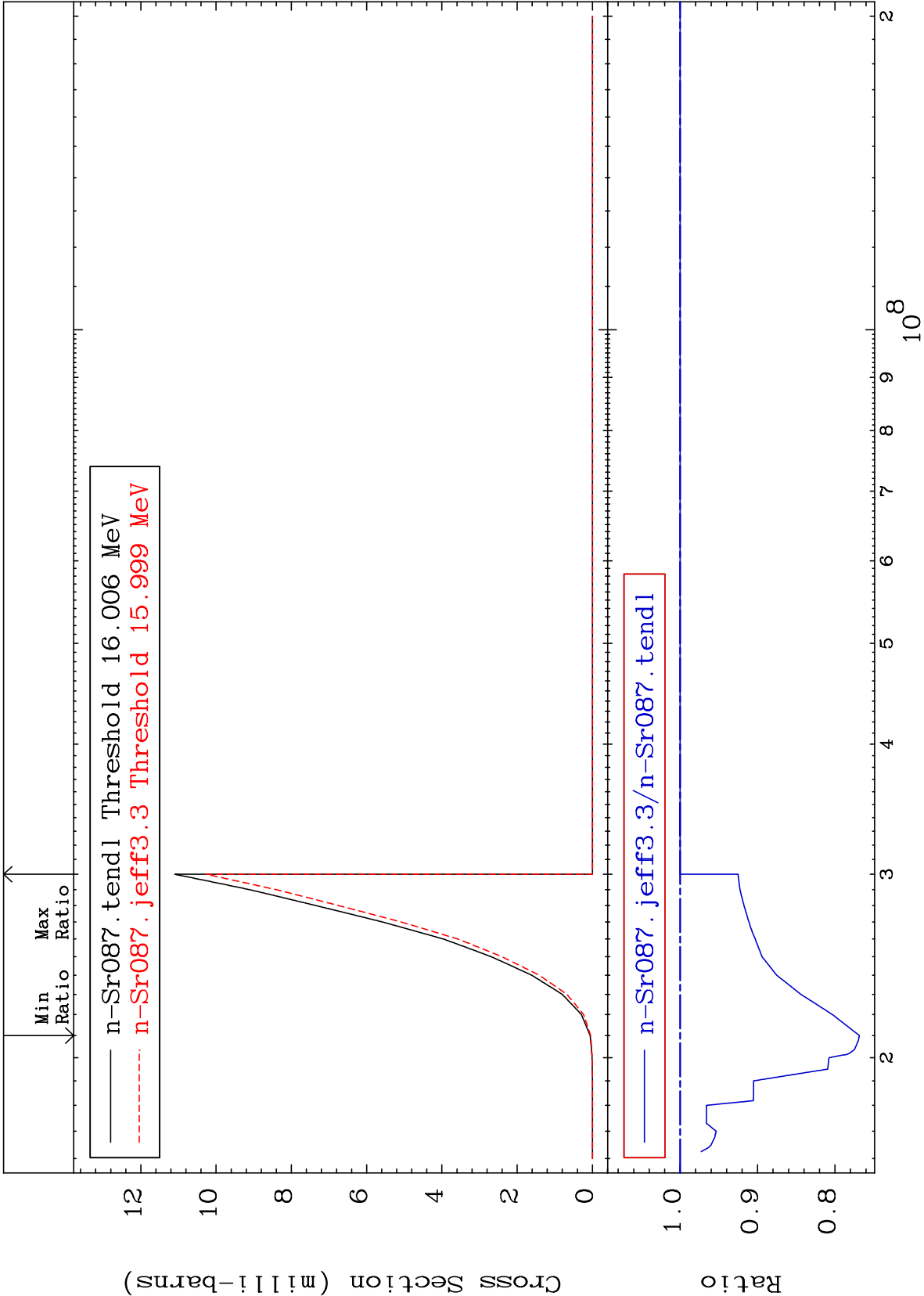
MAT 3834

(n,n') d

³⁸Sr-87

Cross Section

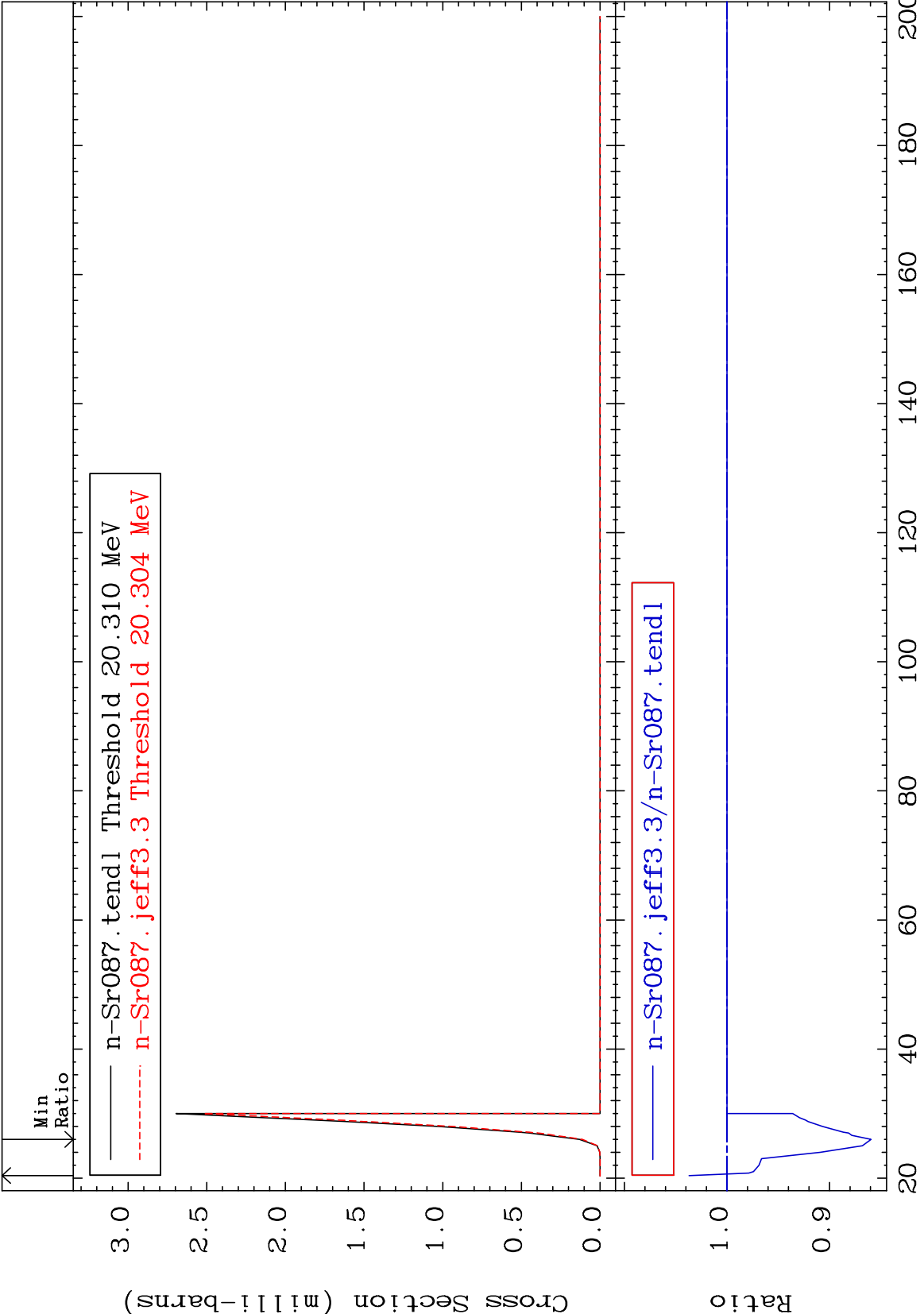
-23.15 To 0.000 %



10

Incident Energy (eV)

³⁸Sr-87



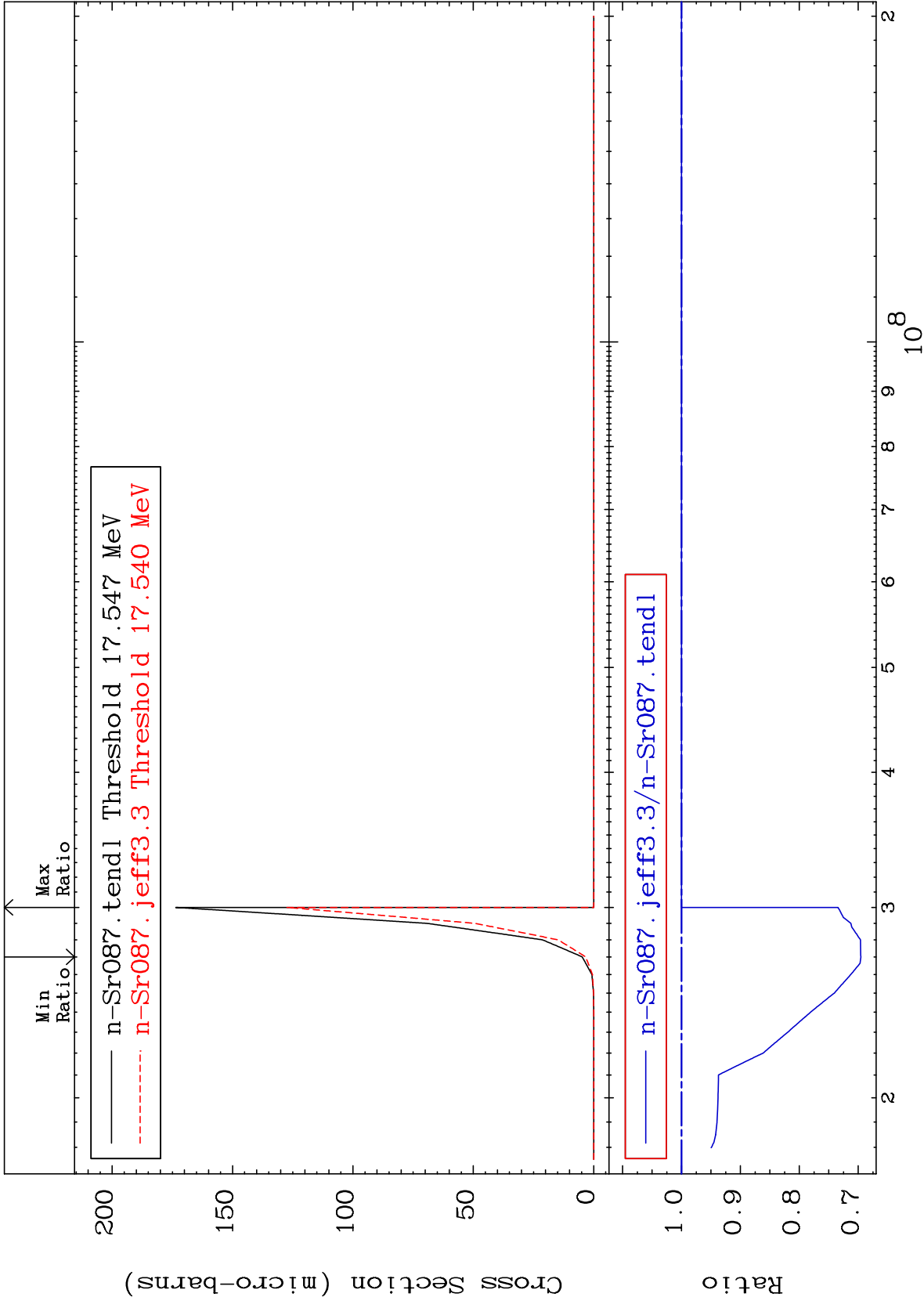
MAT 3834

(n,n') He-3

38-Sr-87

Cross Section

-30.45 To 0.000 %



MAT 3834

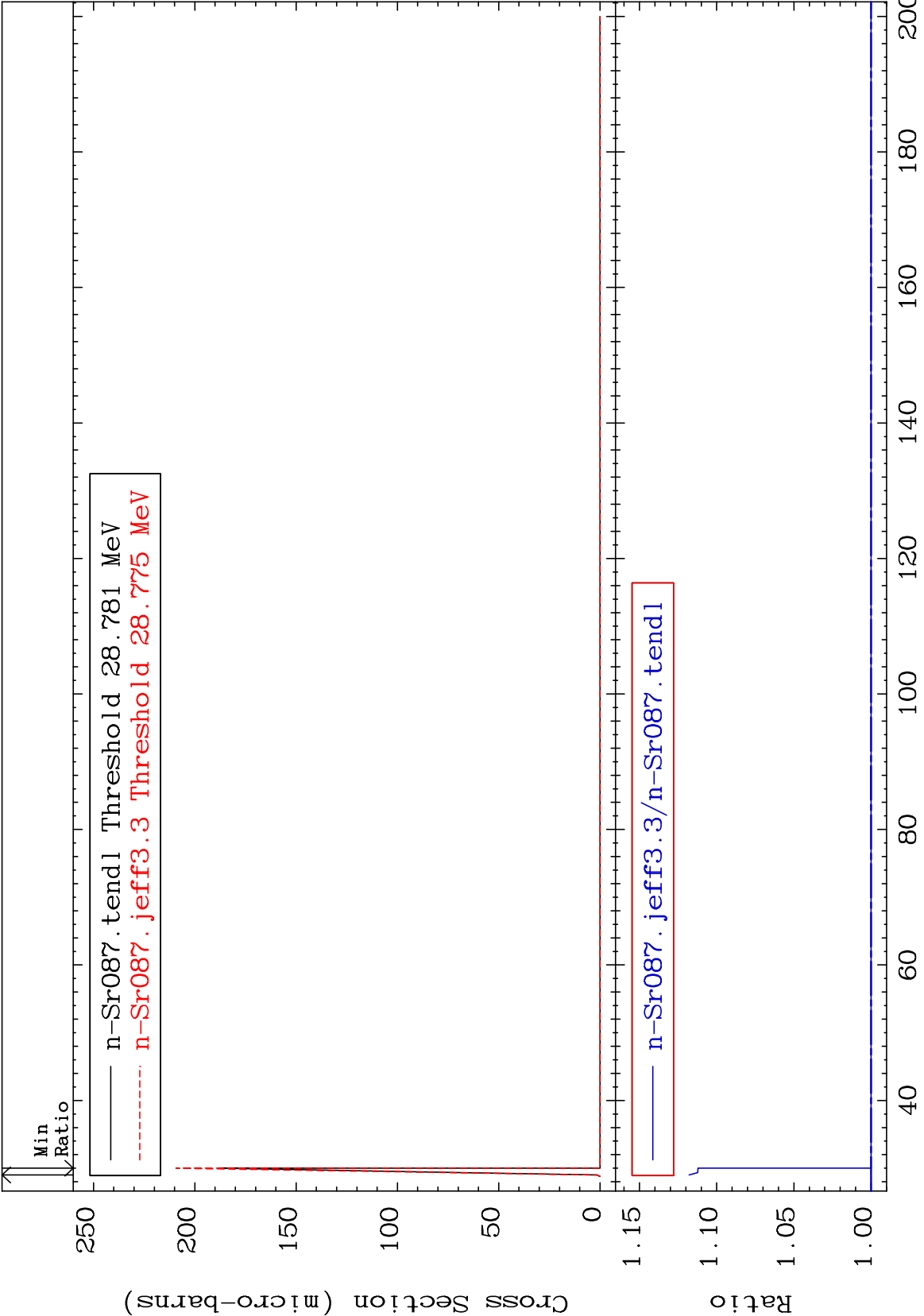
(n,4n)

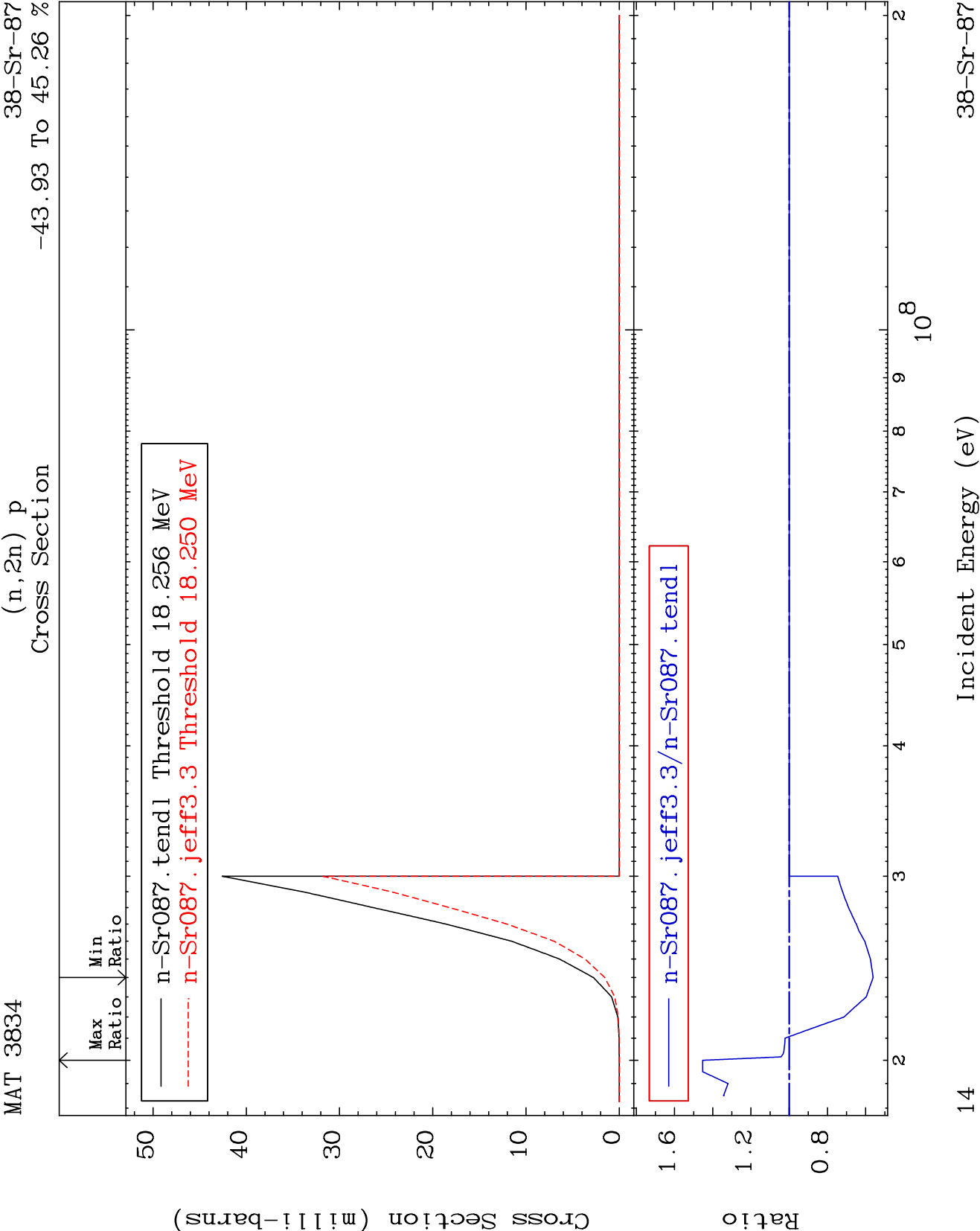
38-Sr-87

Cross Section

0.000

To 11.79 %

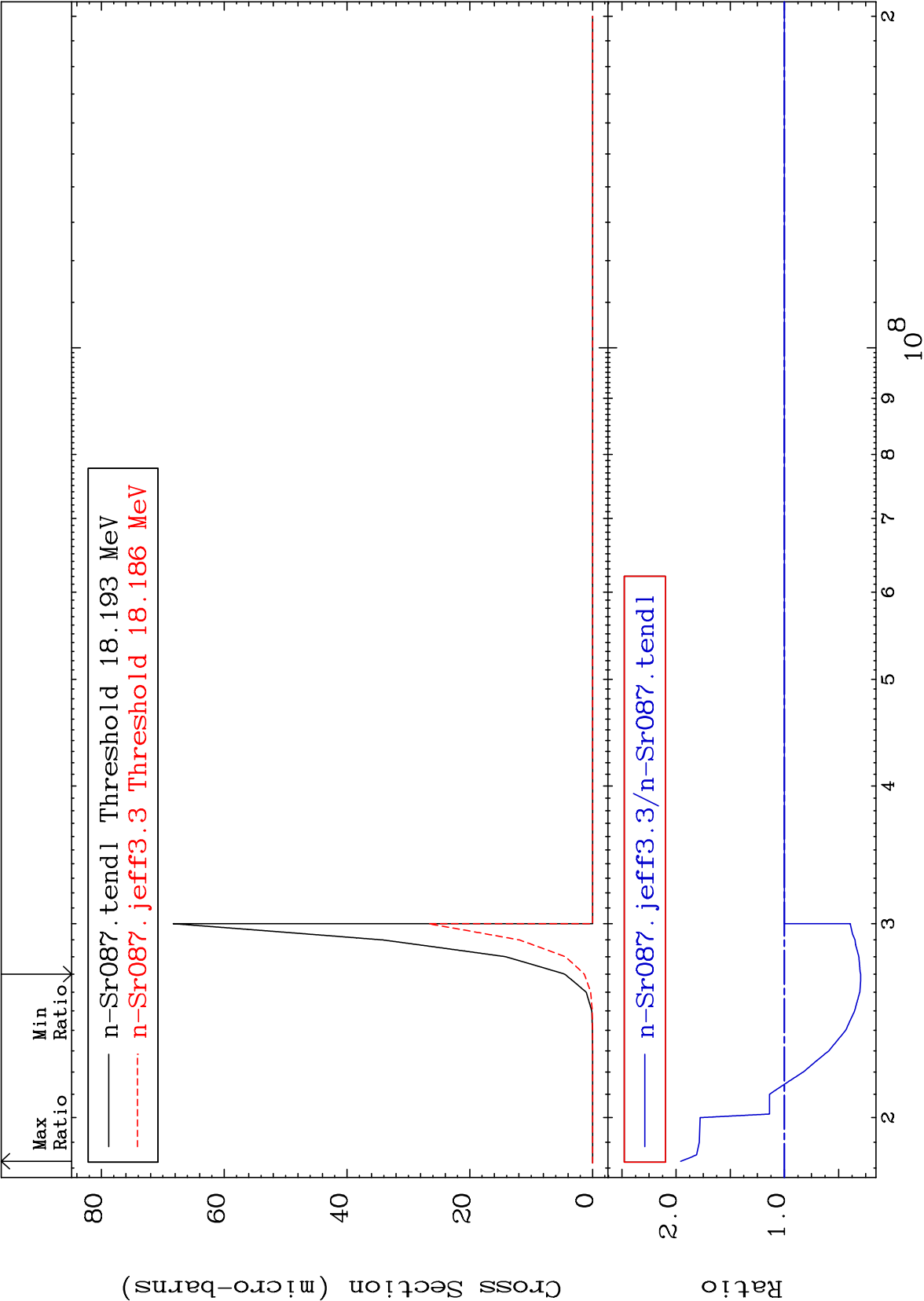


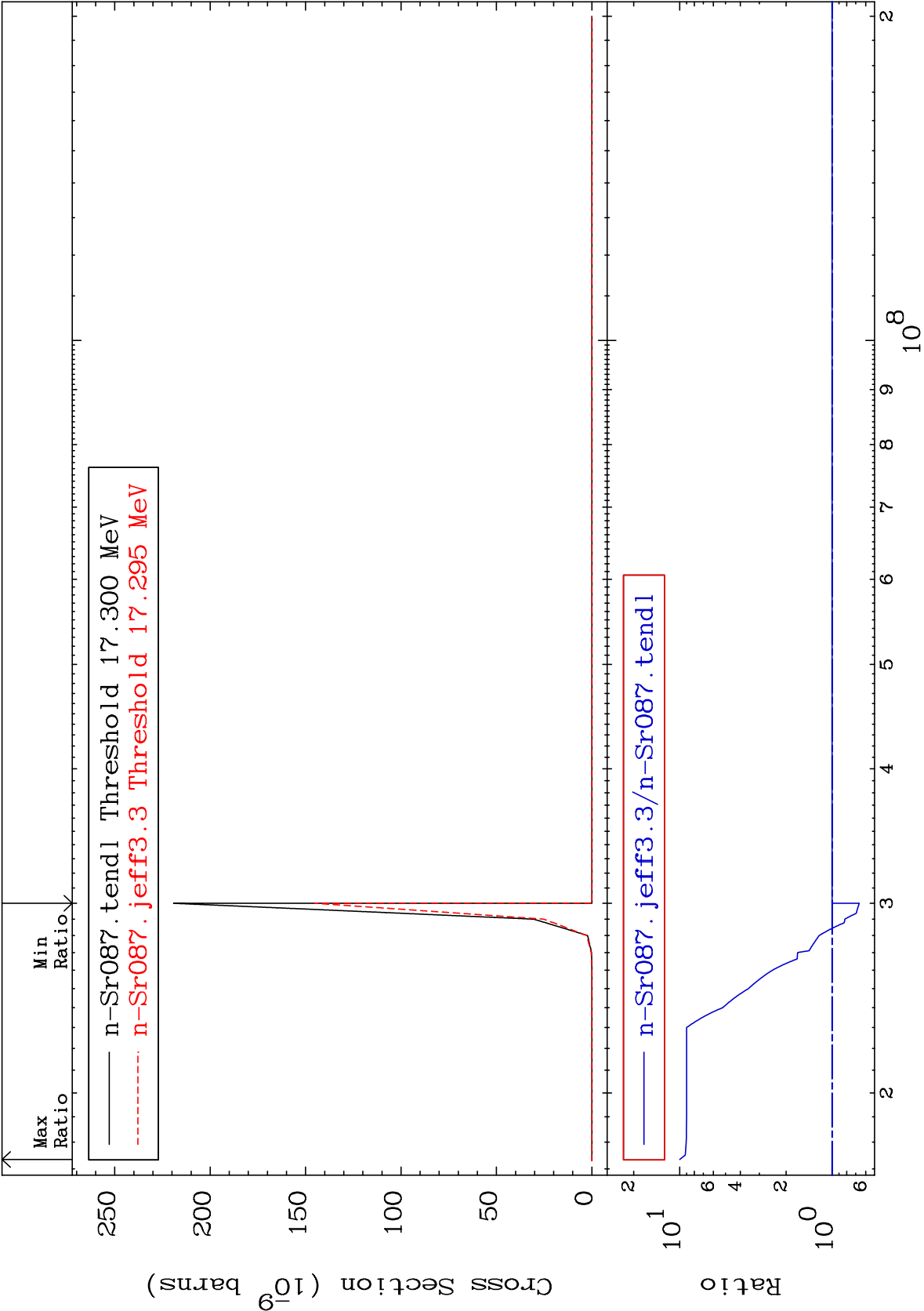


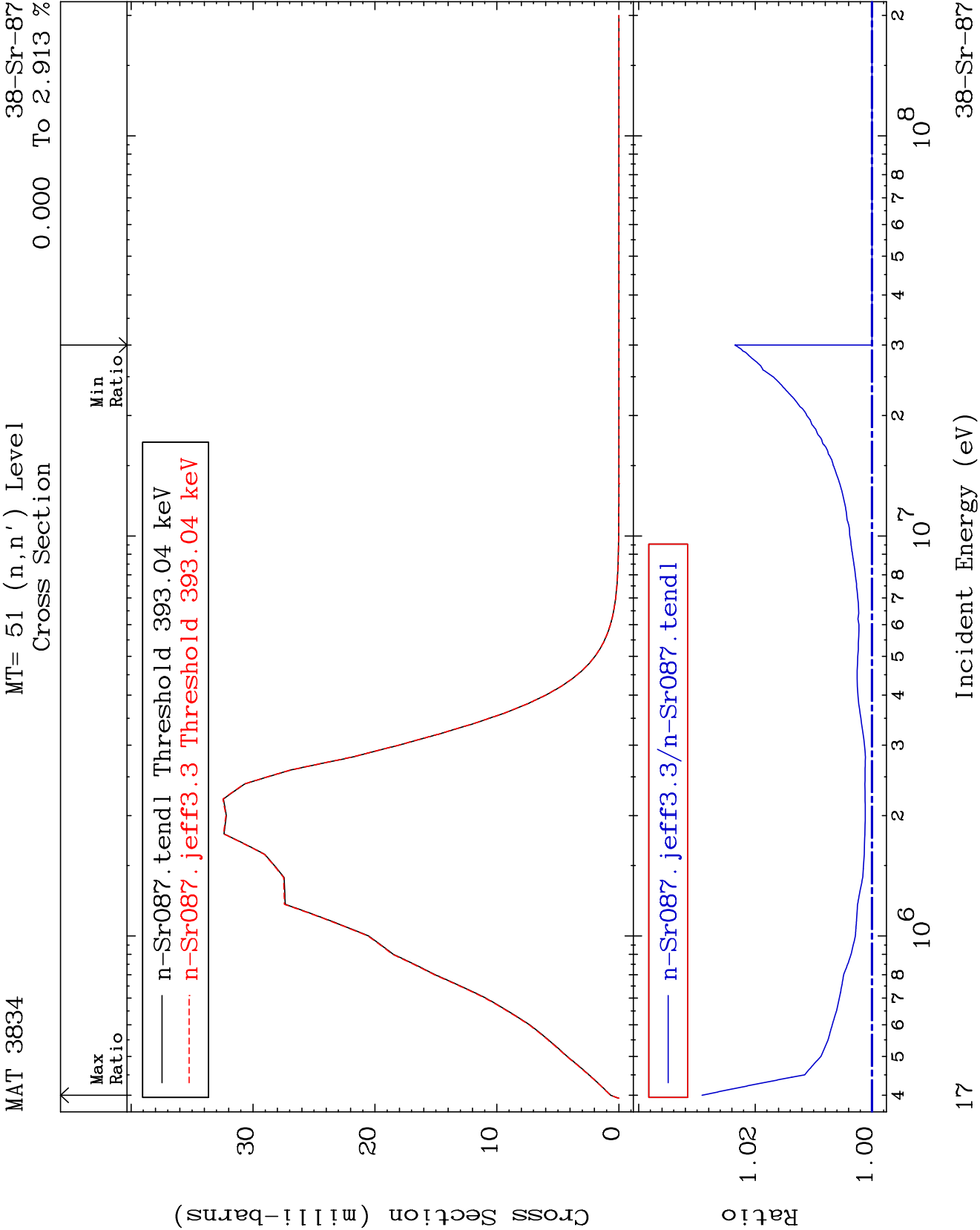
MAT 3834

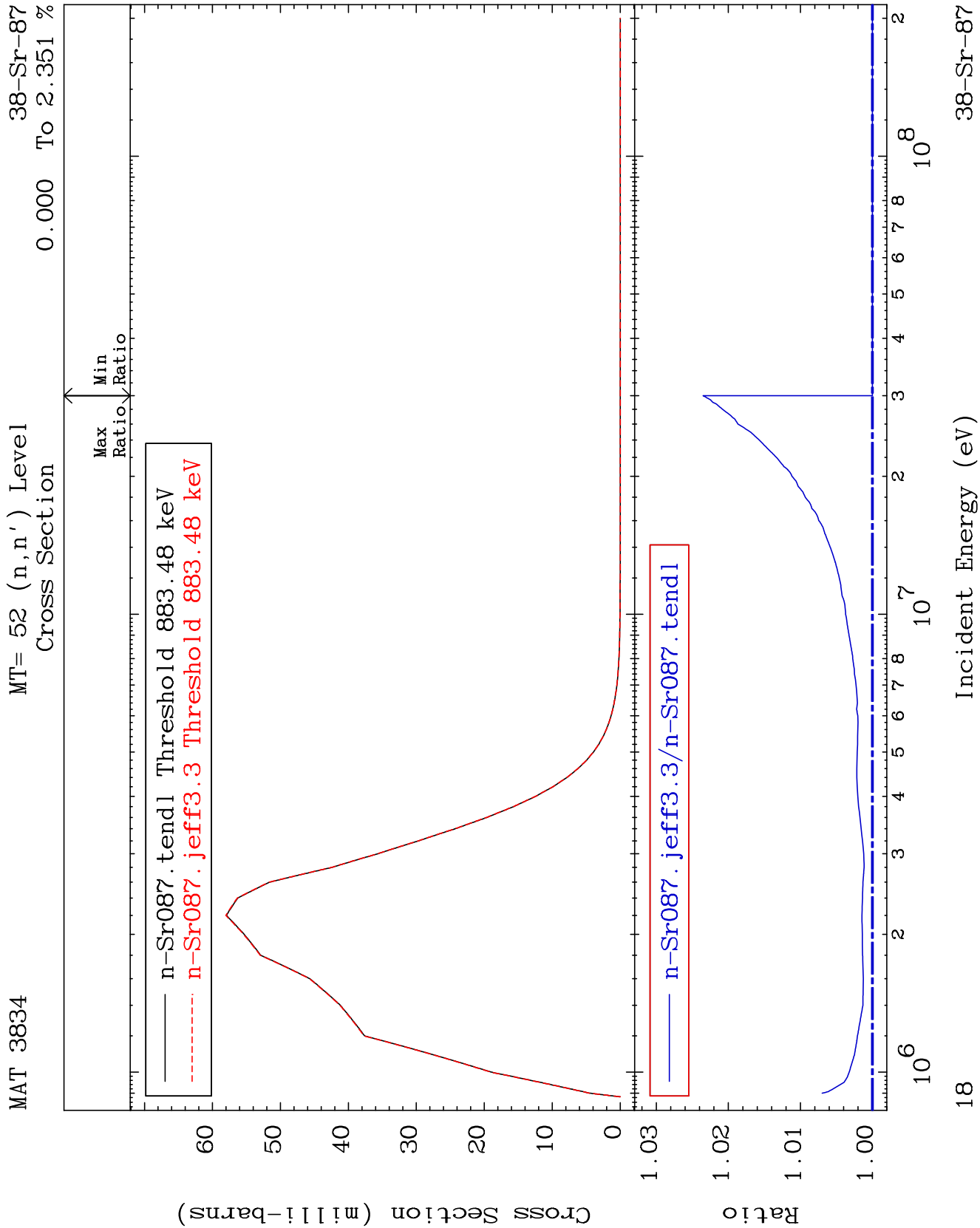
(n,2n) p
Cross Section

38-Sr-87
-70.40 To 95.79 %









MAT 3834

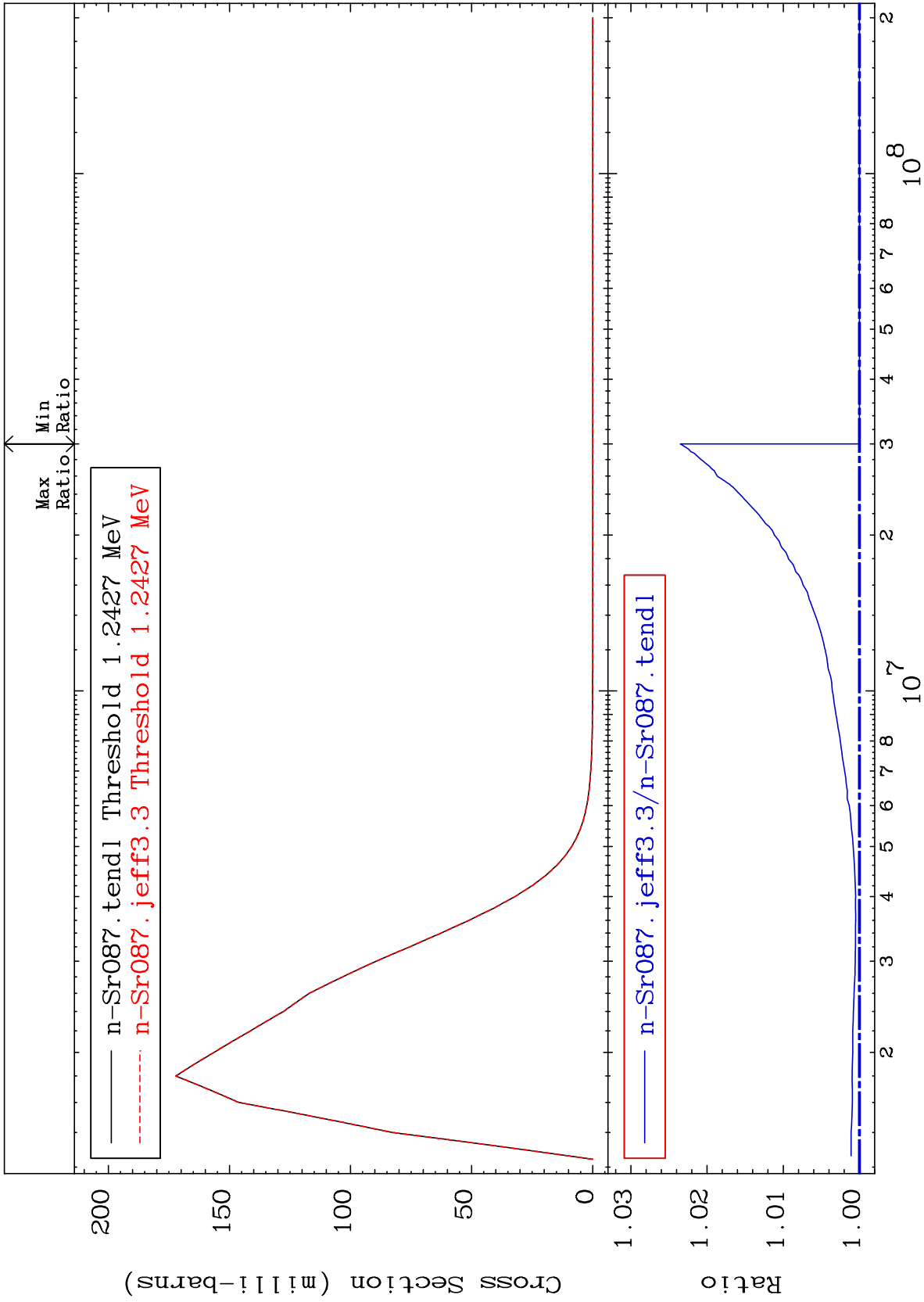
MT= 53 (n,n') Level

38-Sr-87

Cross Section

0.000

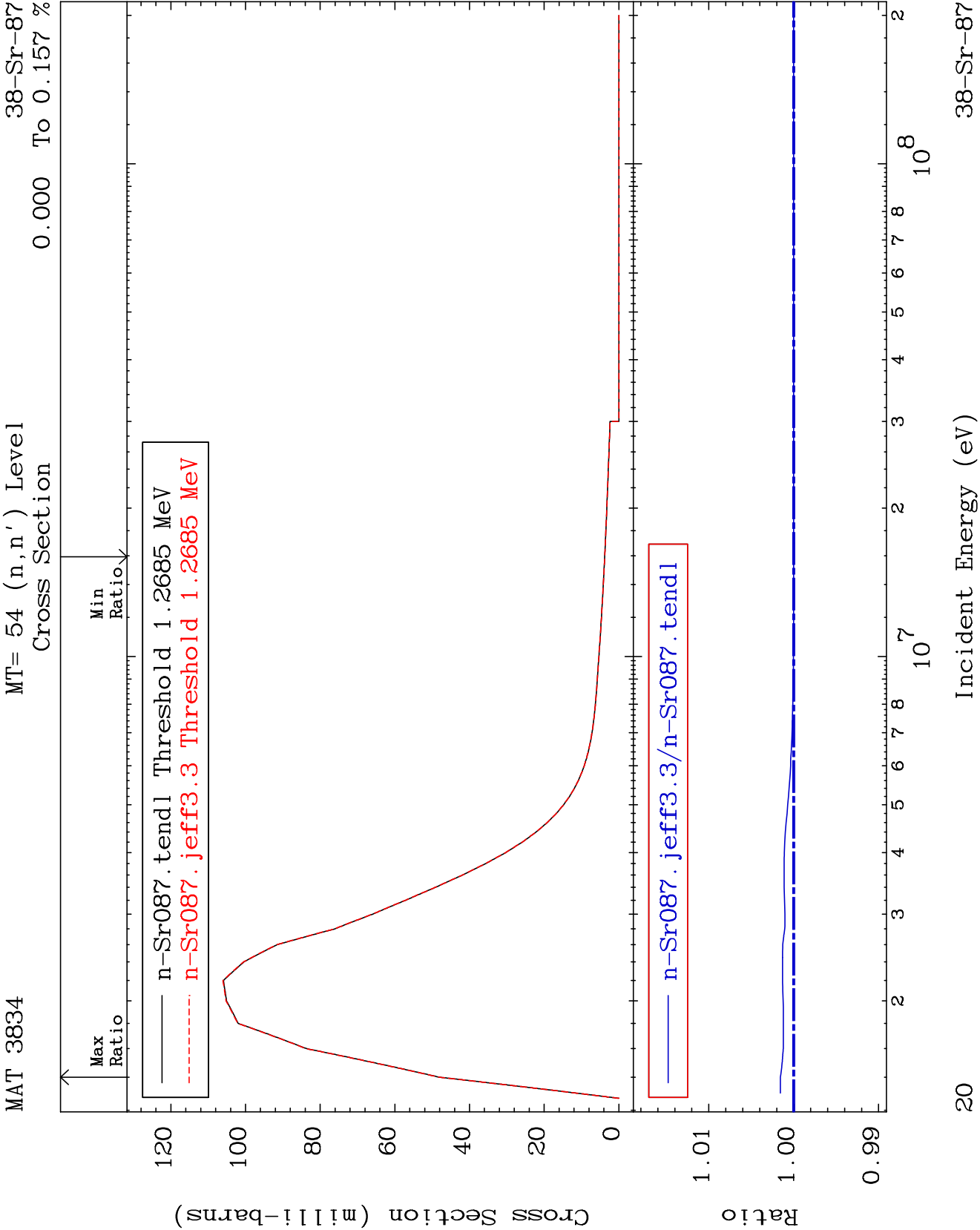
To 2.350 %



19

Incident Energy (eV)

38-Sr-87



MAT 3834

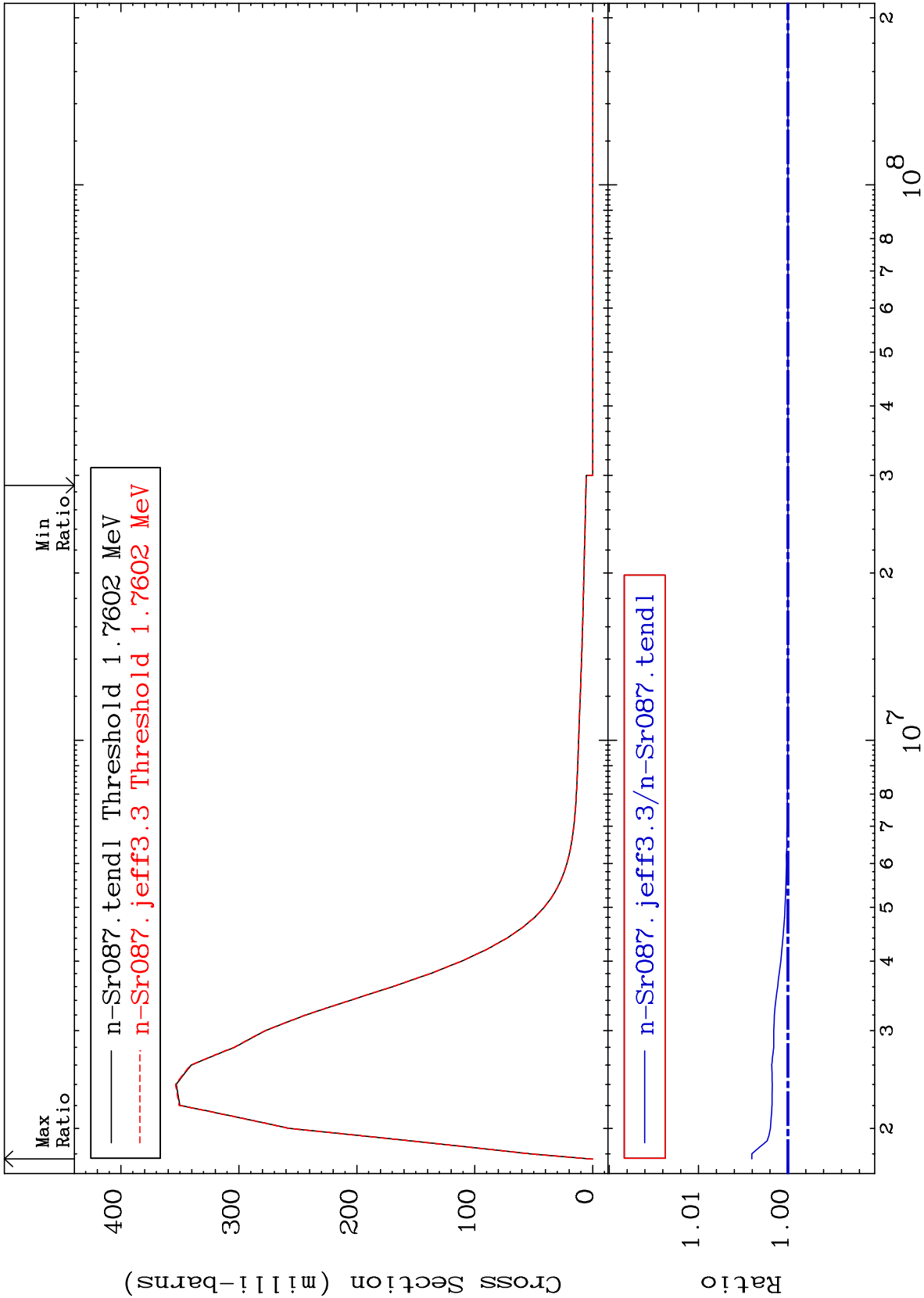
MT= 55 (n,n') Level

38-Sr-87

Cross Section

0.000

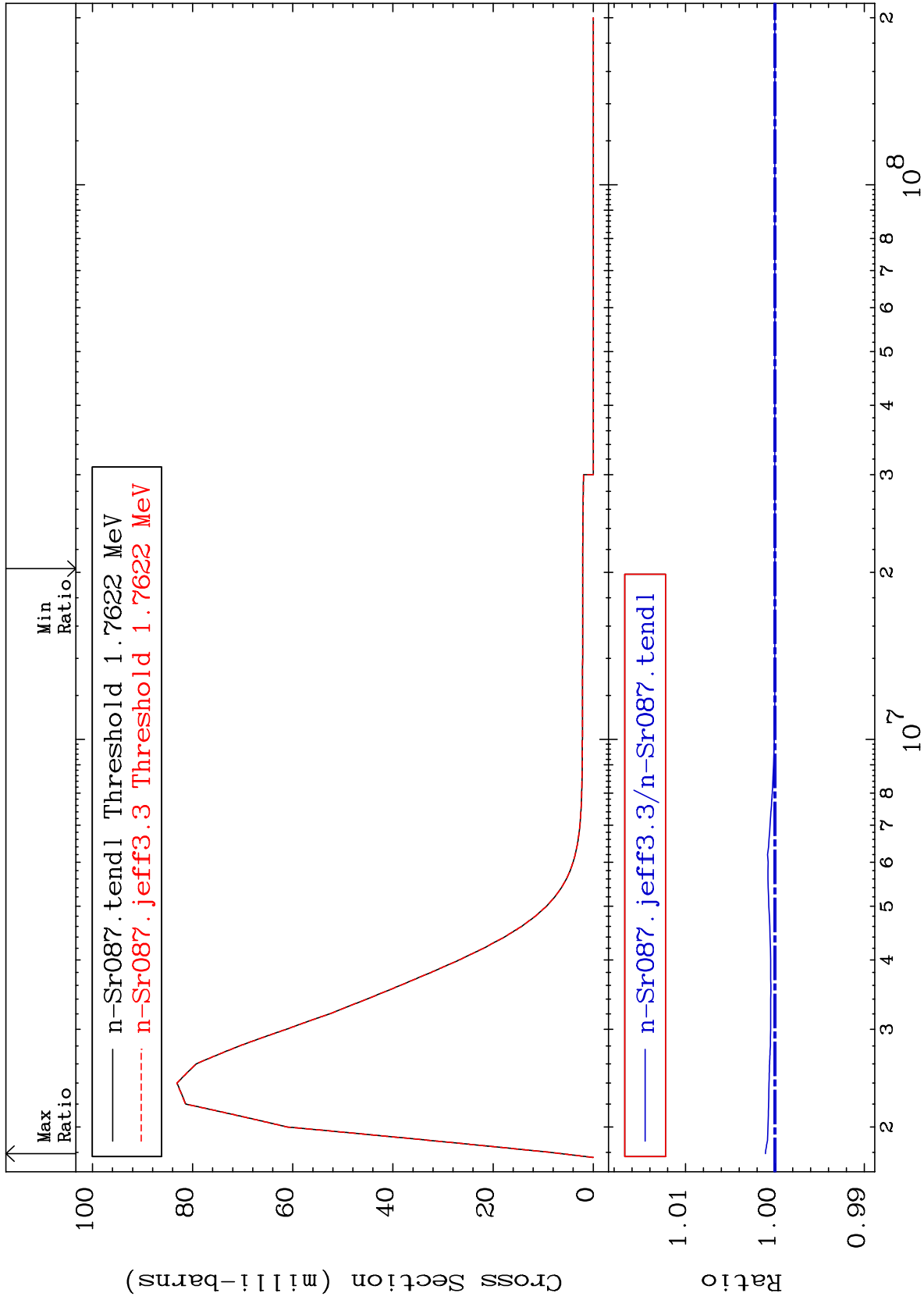
To 0.403 %

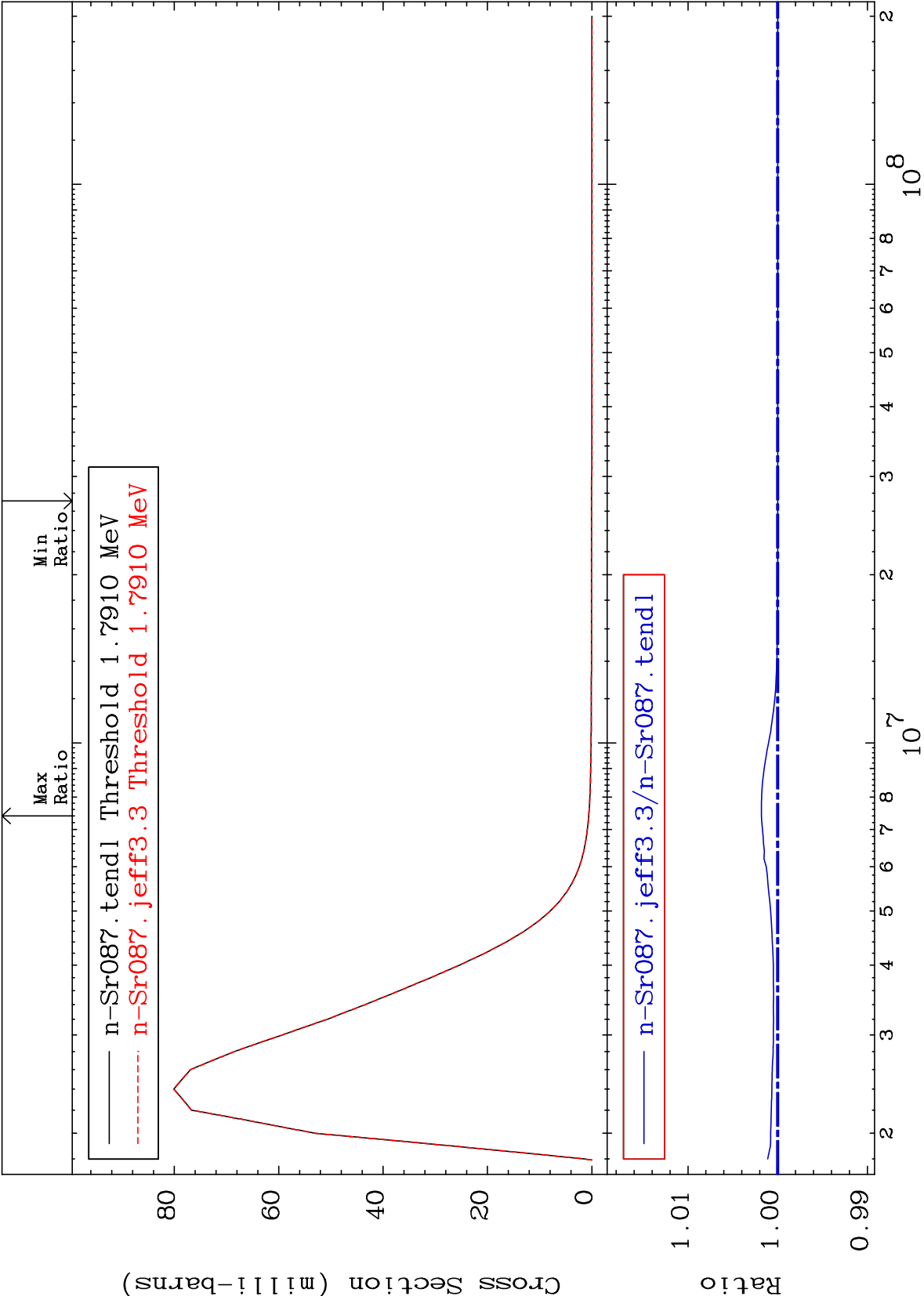


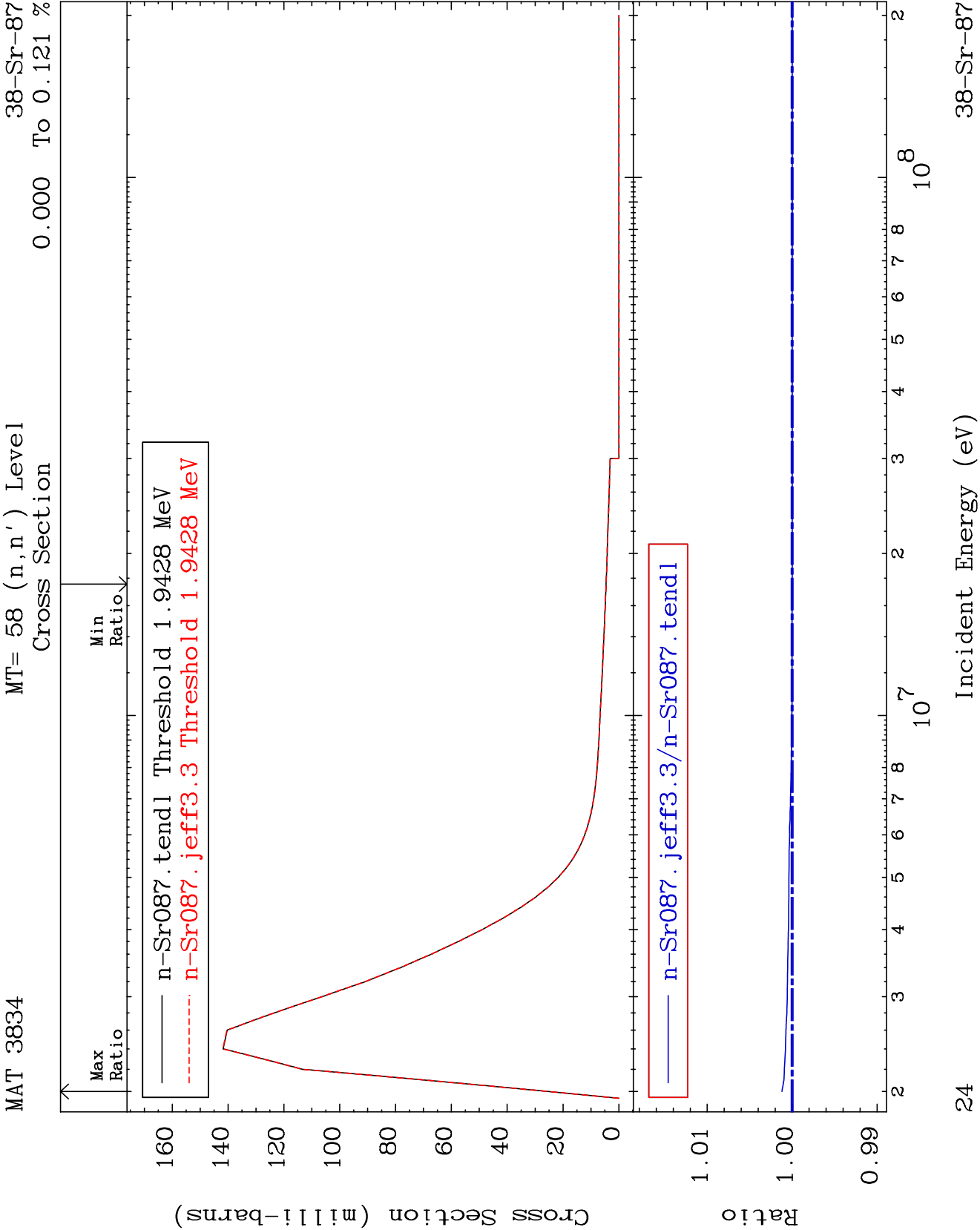
MAT 3834

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

38-Sr-87
0.000 To 0.106 %



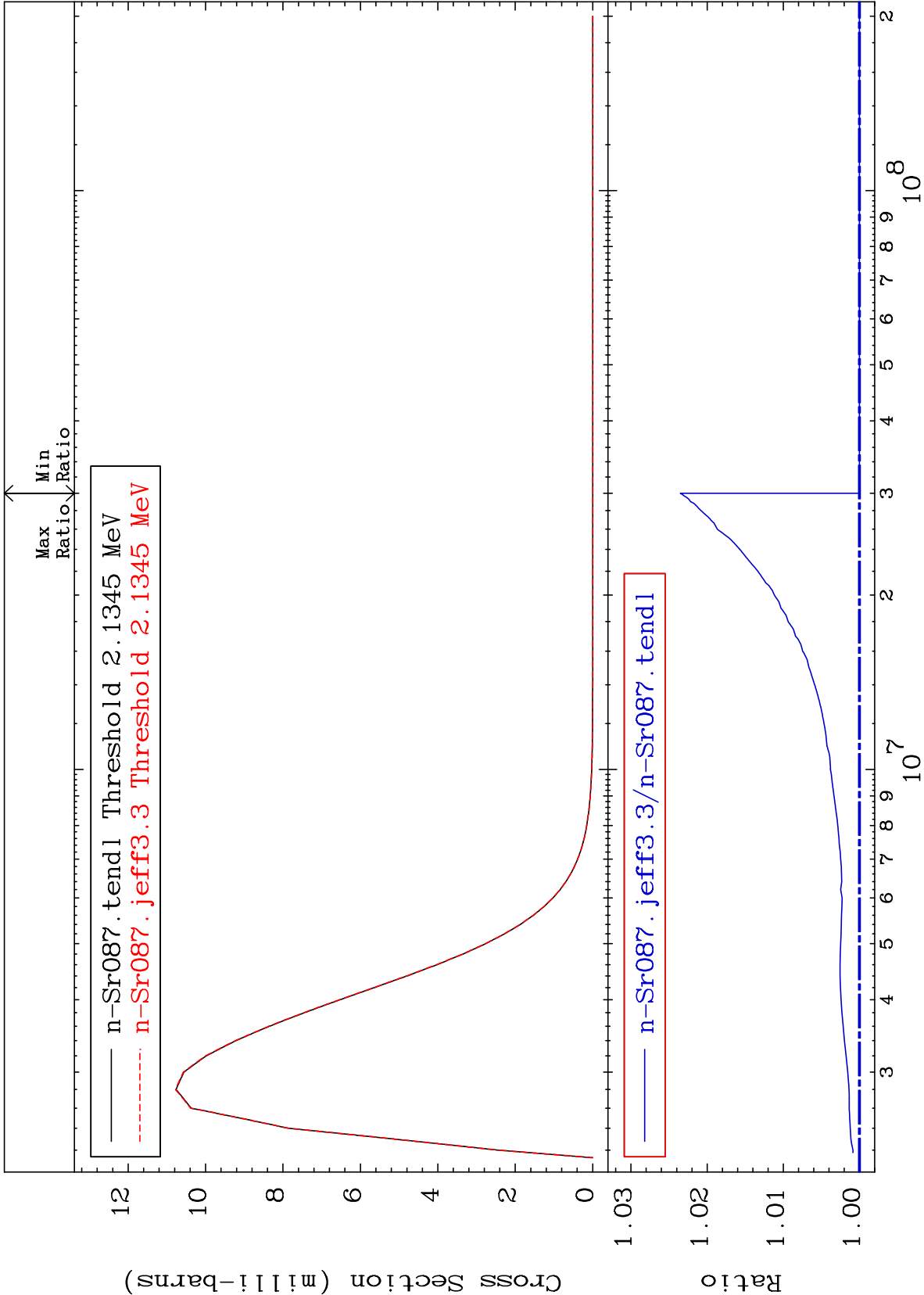


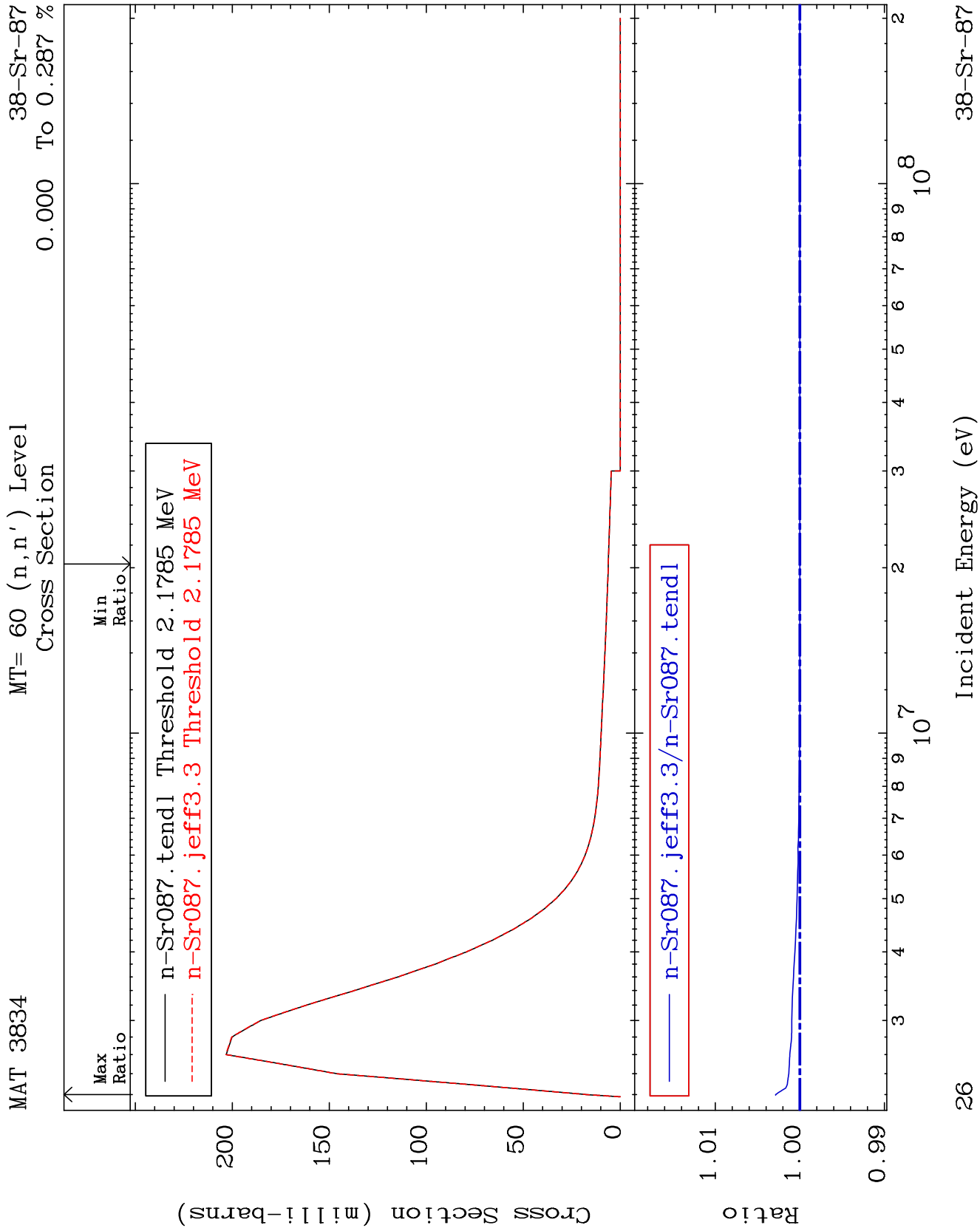


MAT 3834

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

38-Sr-87
0.000 To 2.352 %

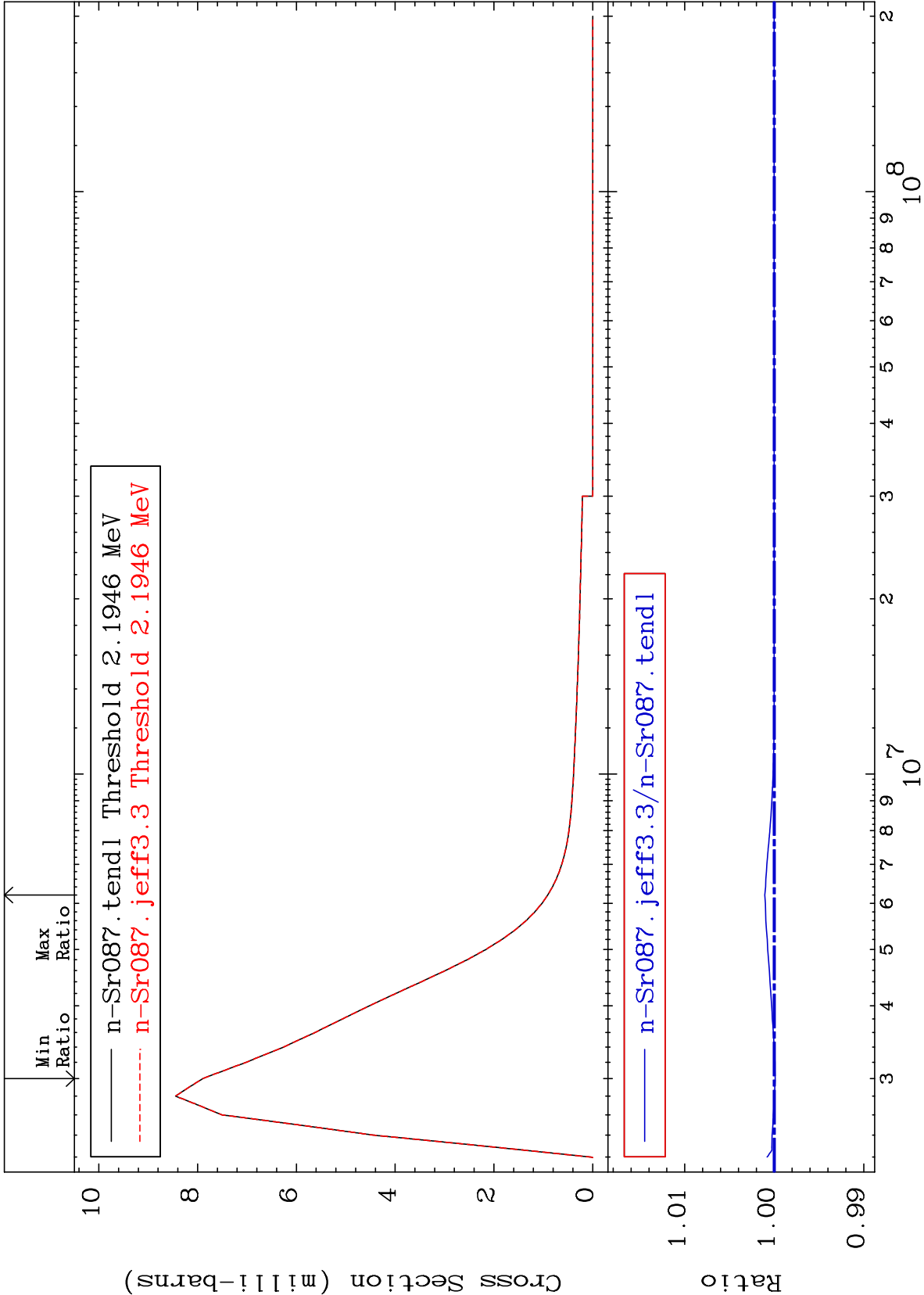




MAT 3834

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

38-Sr-87
-0.010 To 0.107 %



MAT 3834

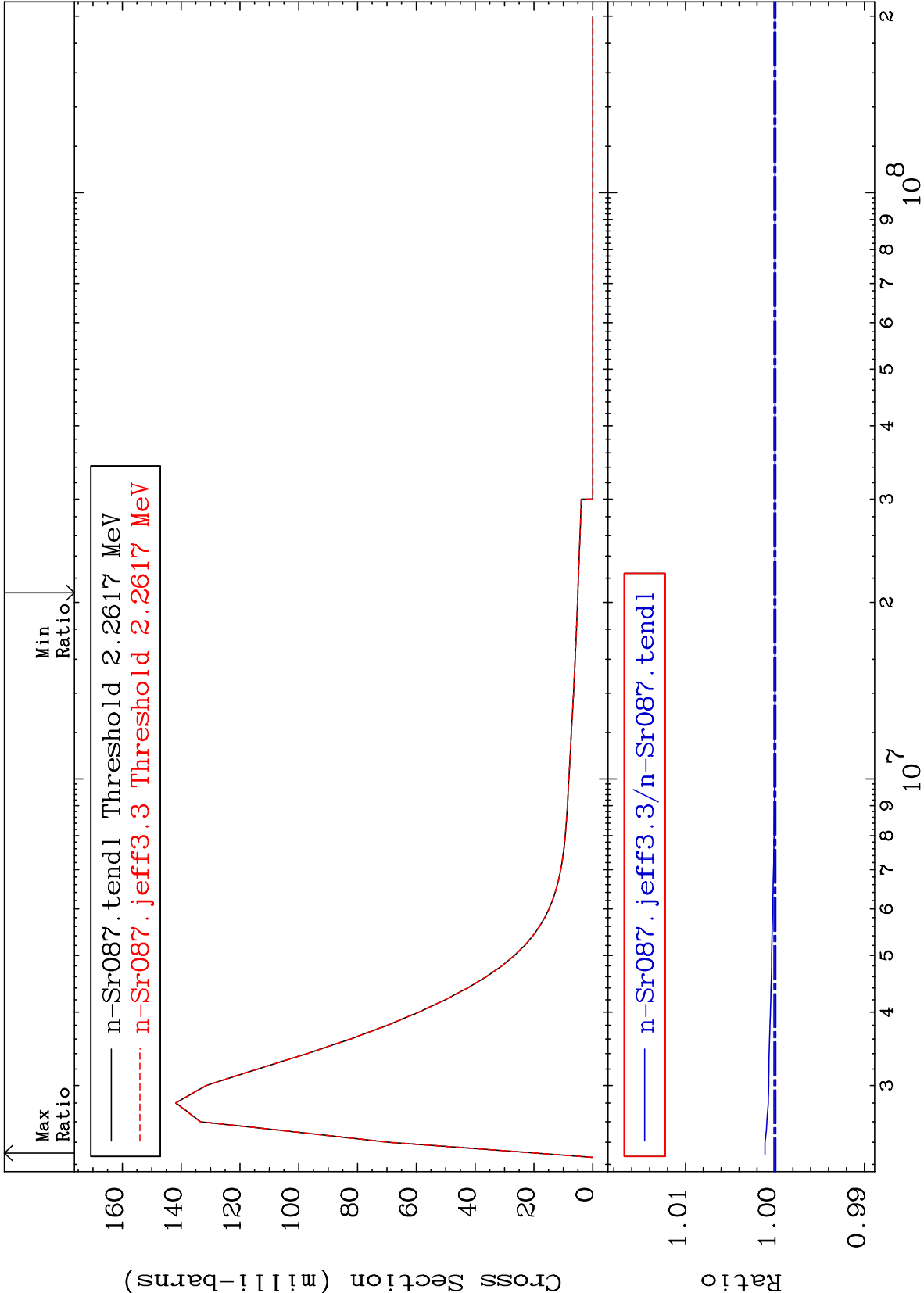
MT= 62 (n,n') Level

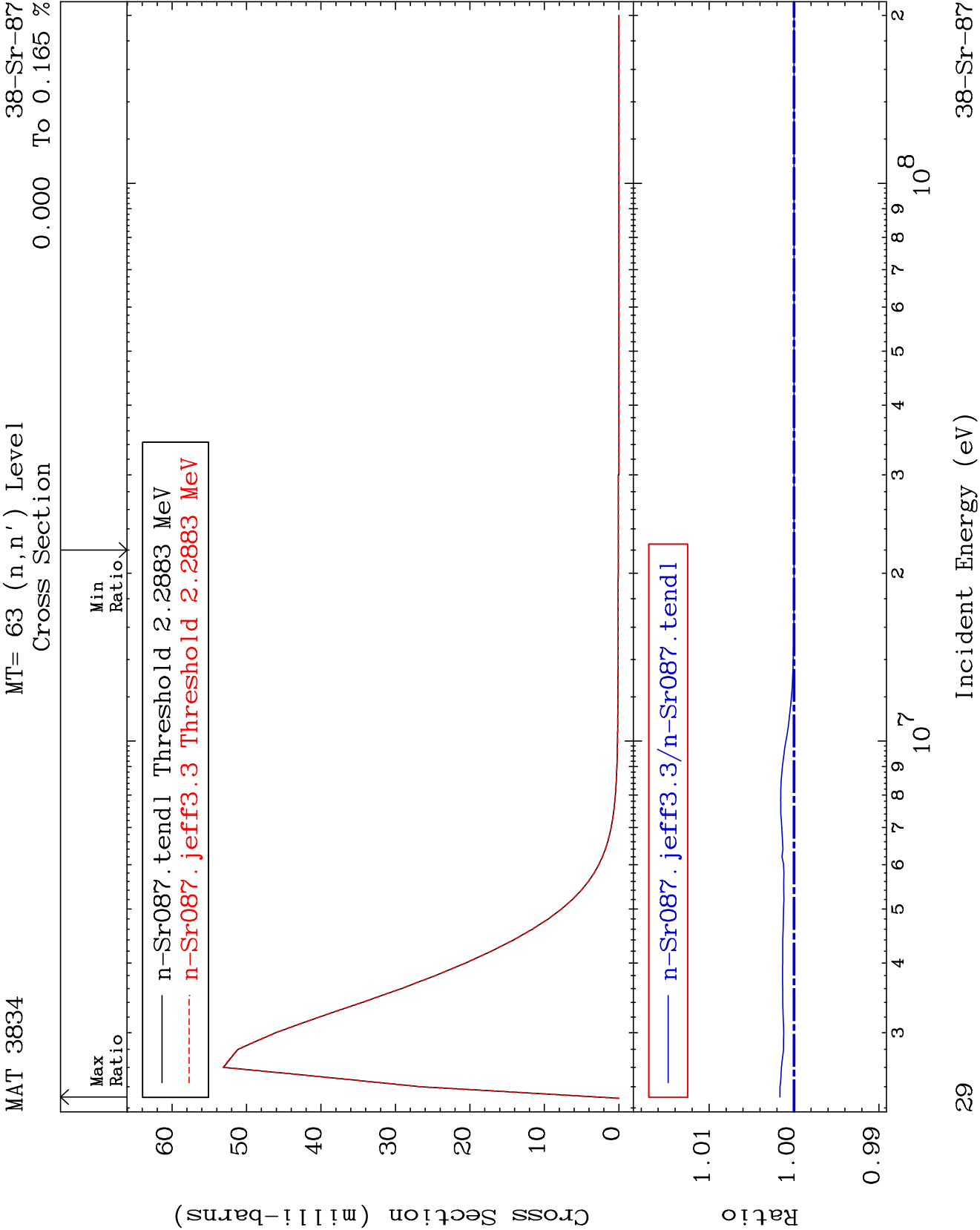
38-Sr-87

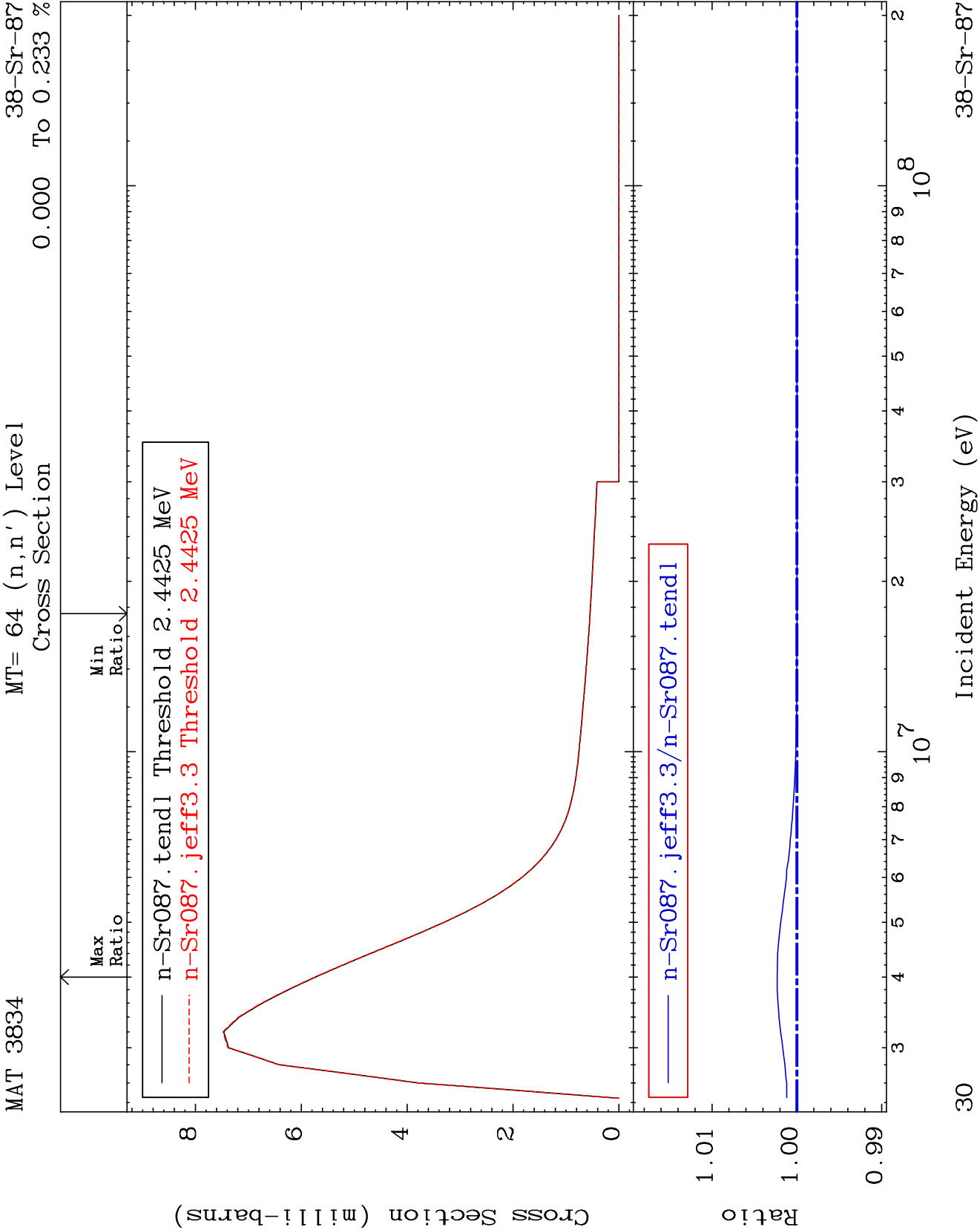
Cross Section

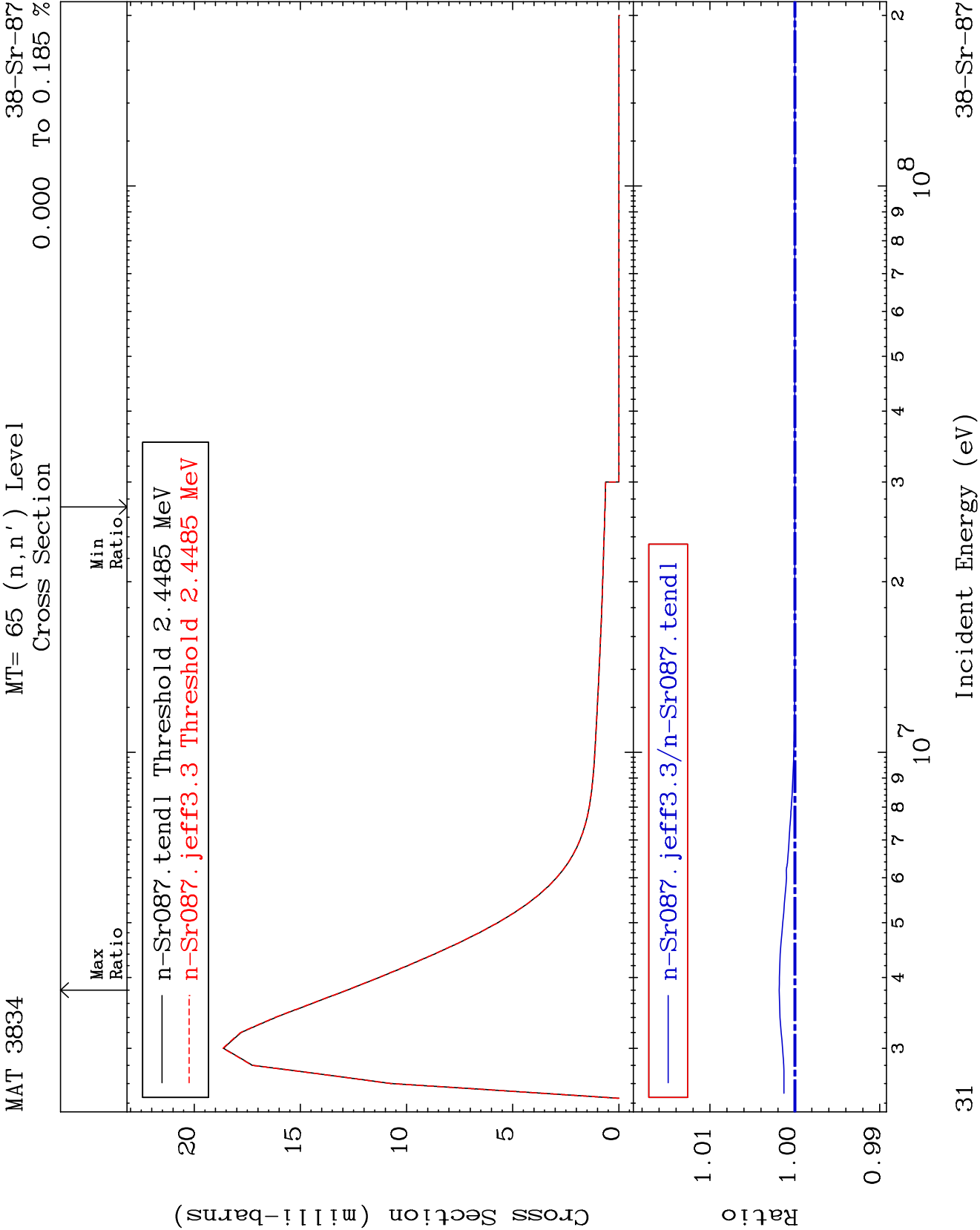
0.000

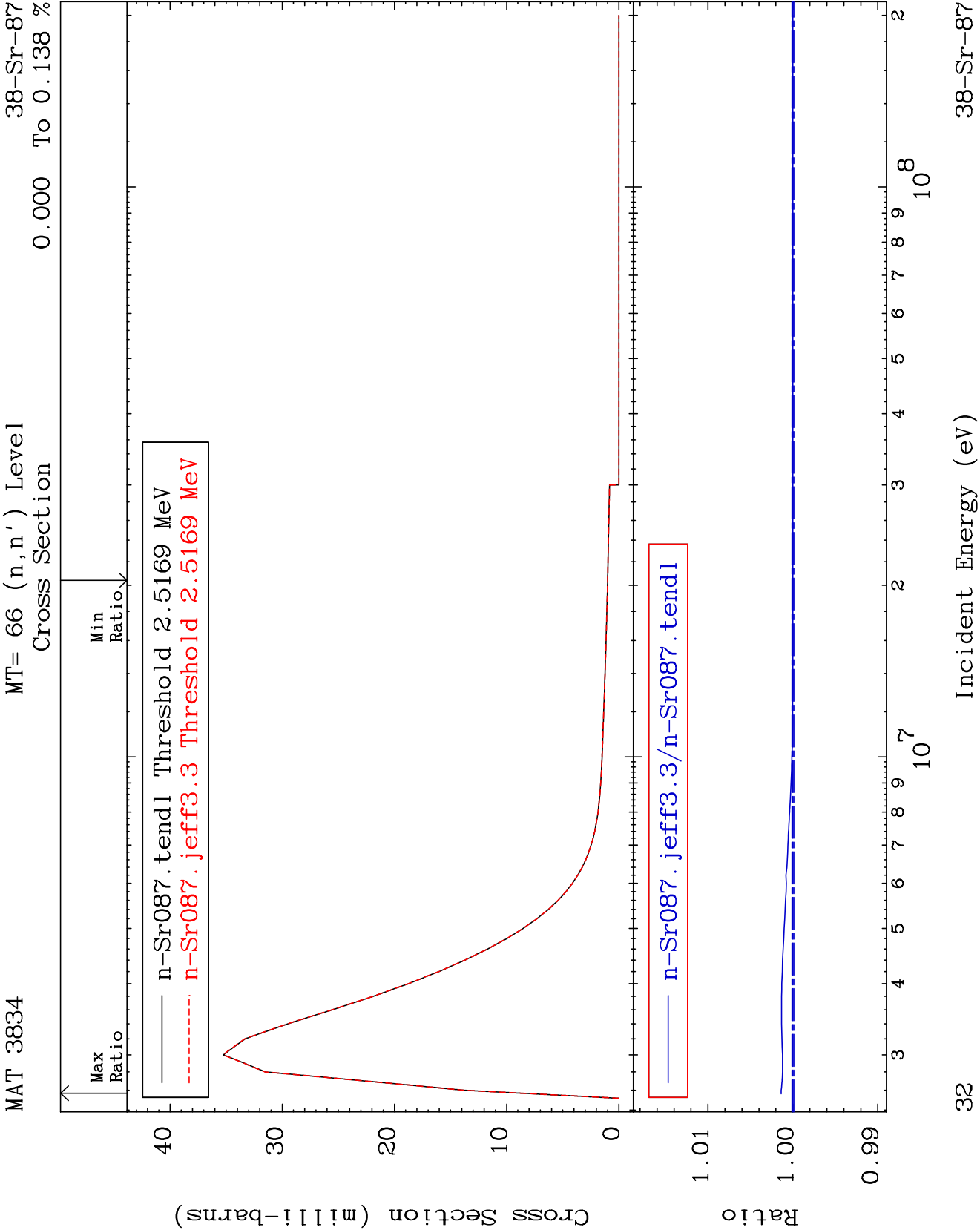
To 0.112 %







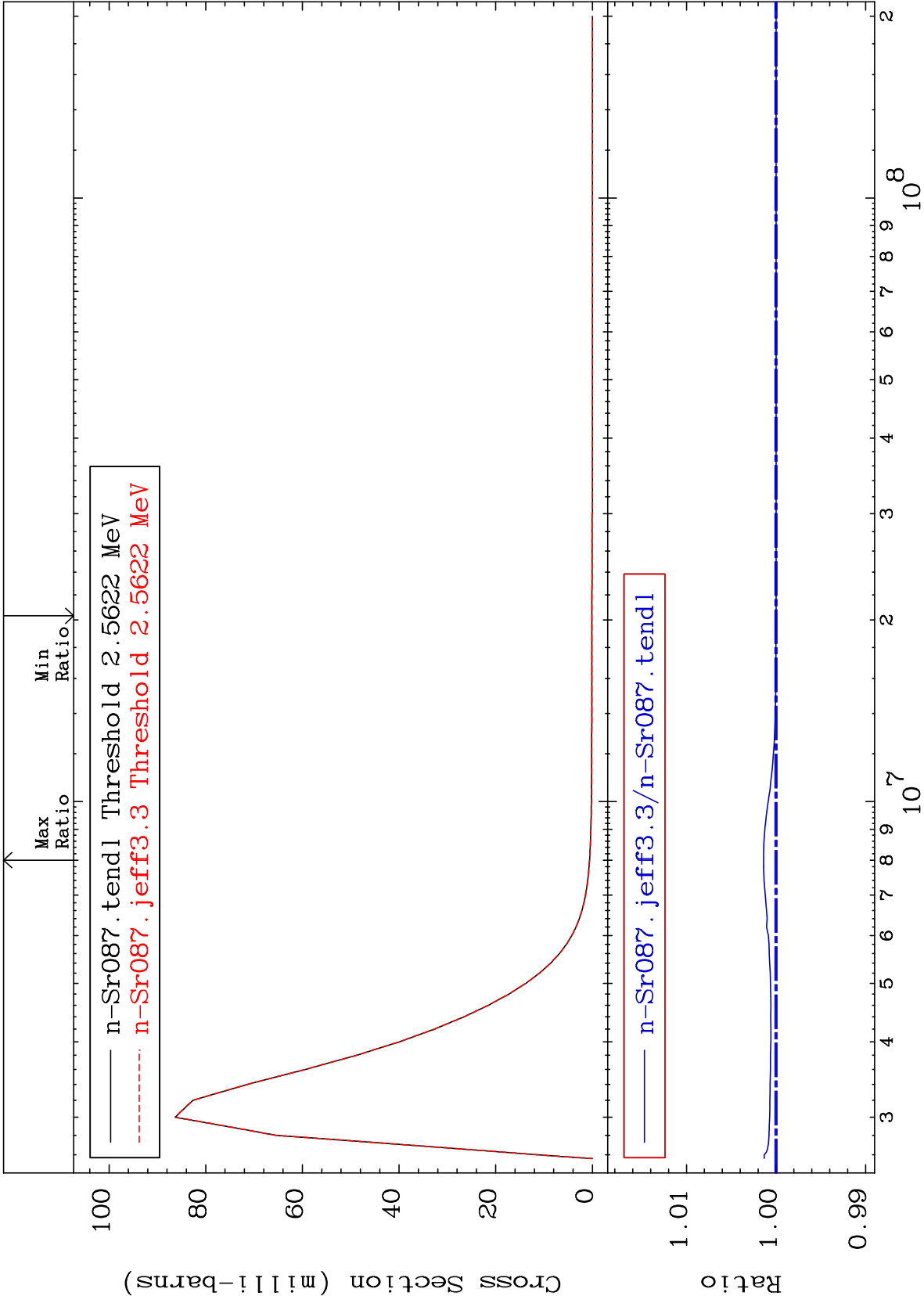




Cross Section

0.000

To 0.140 %



— n-Sr087.tendl Threshold 2.5622 MeV

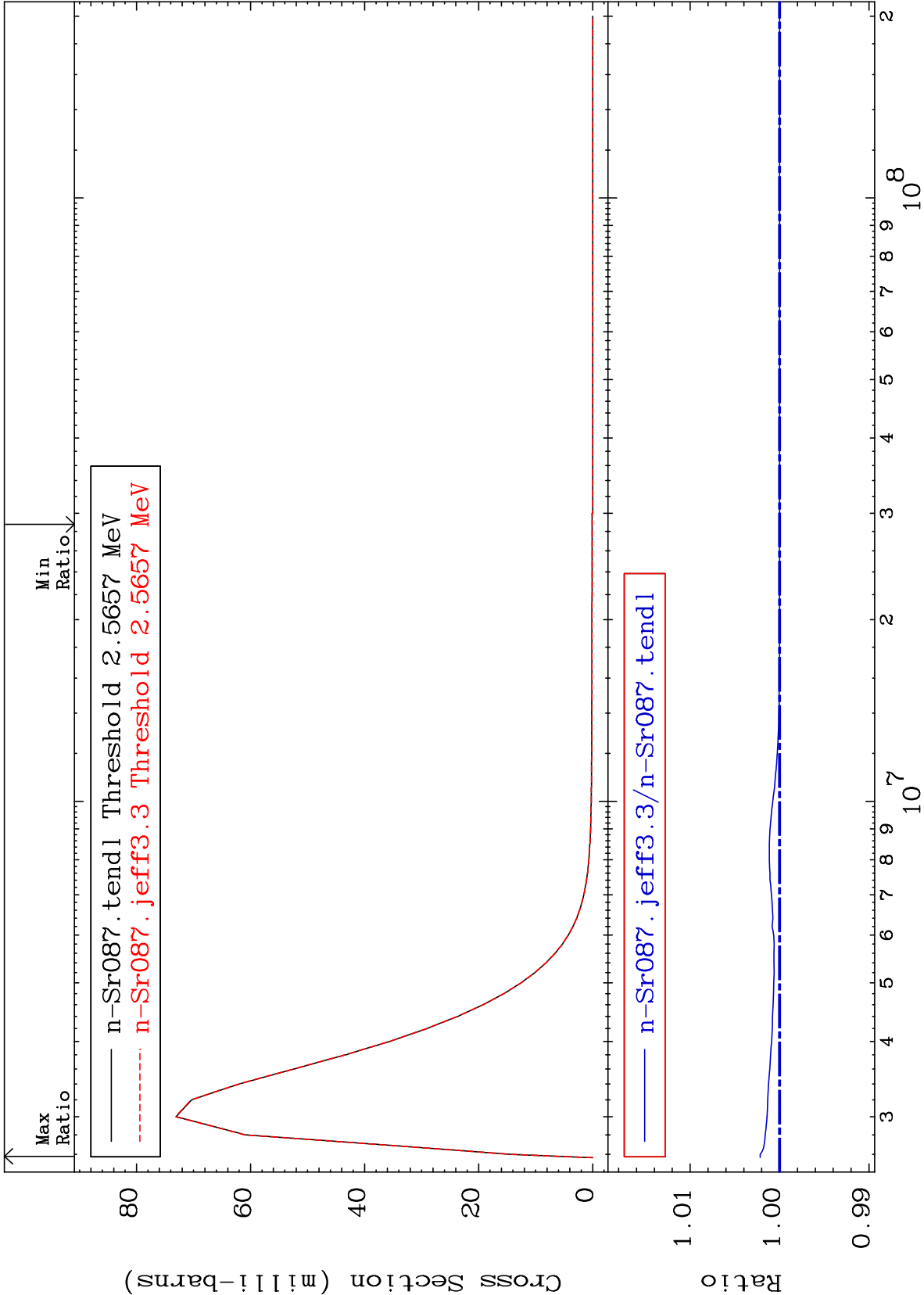
--- n-Sr087.jeff3.3 Threshold 2.5622 MeV

— n-Sr087.jeff3.3/n-Sr087.tendl

MAT 3834

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

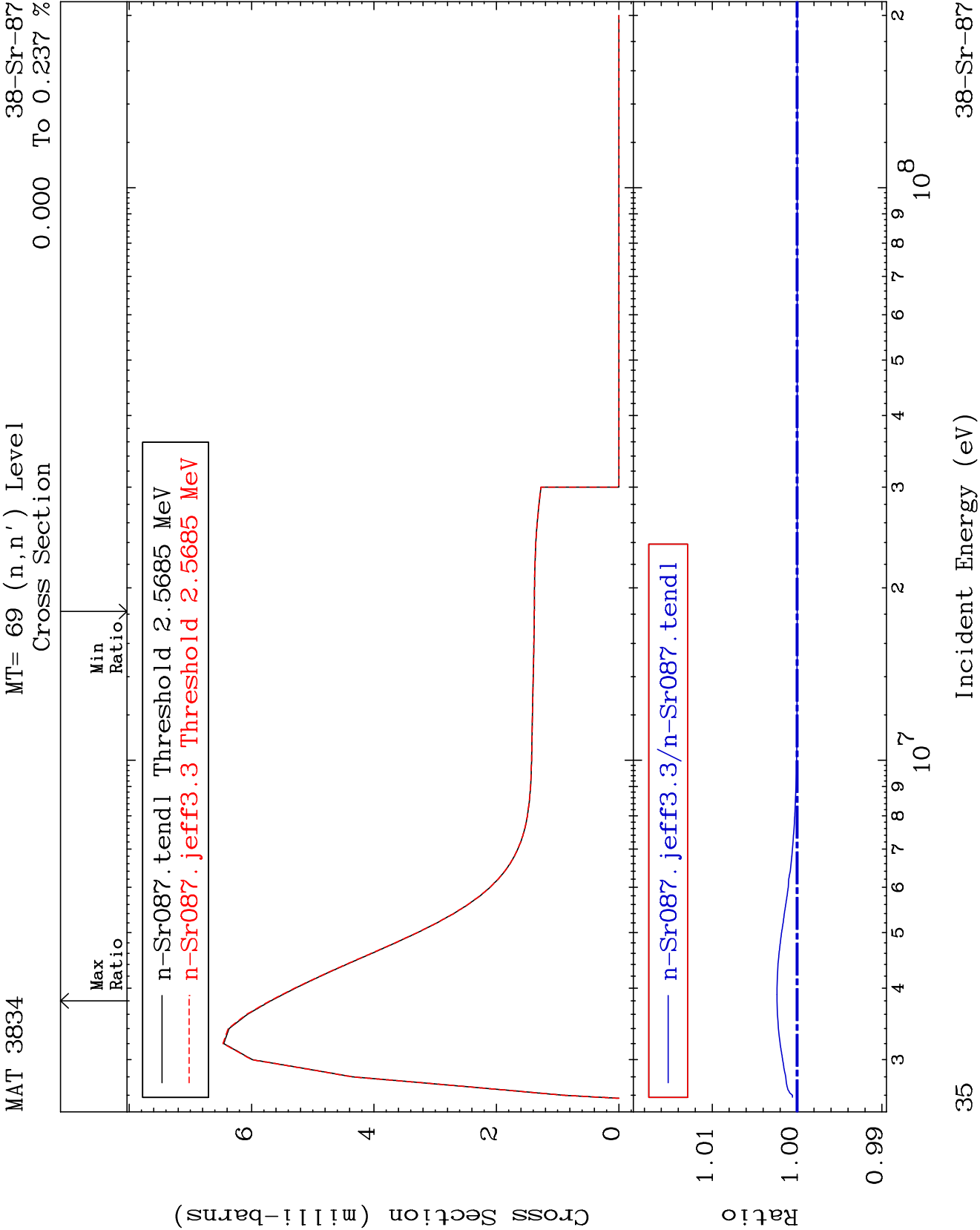
38-Sr-87
0.000 To 0.217 %



34

Incident Energy (eV)

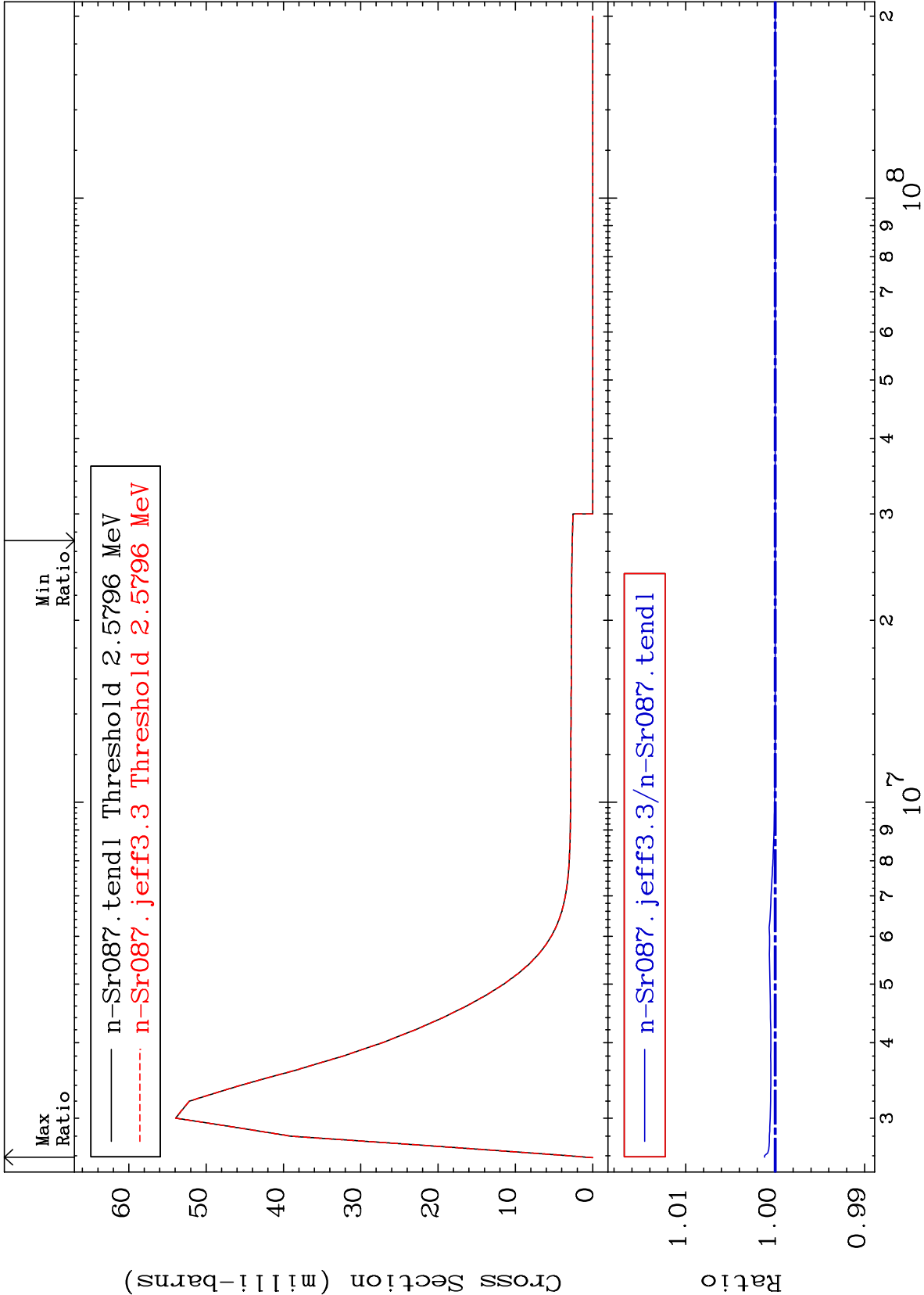
38-Sr-87

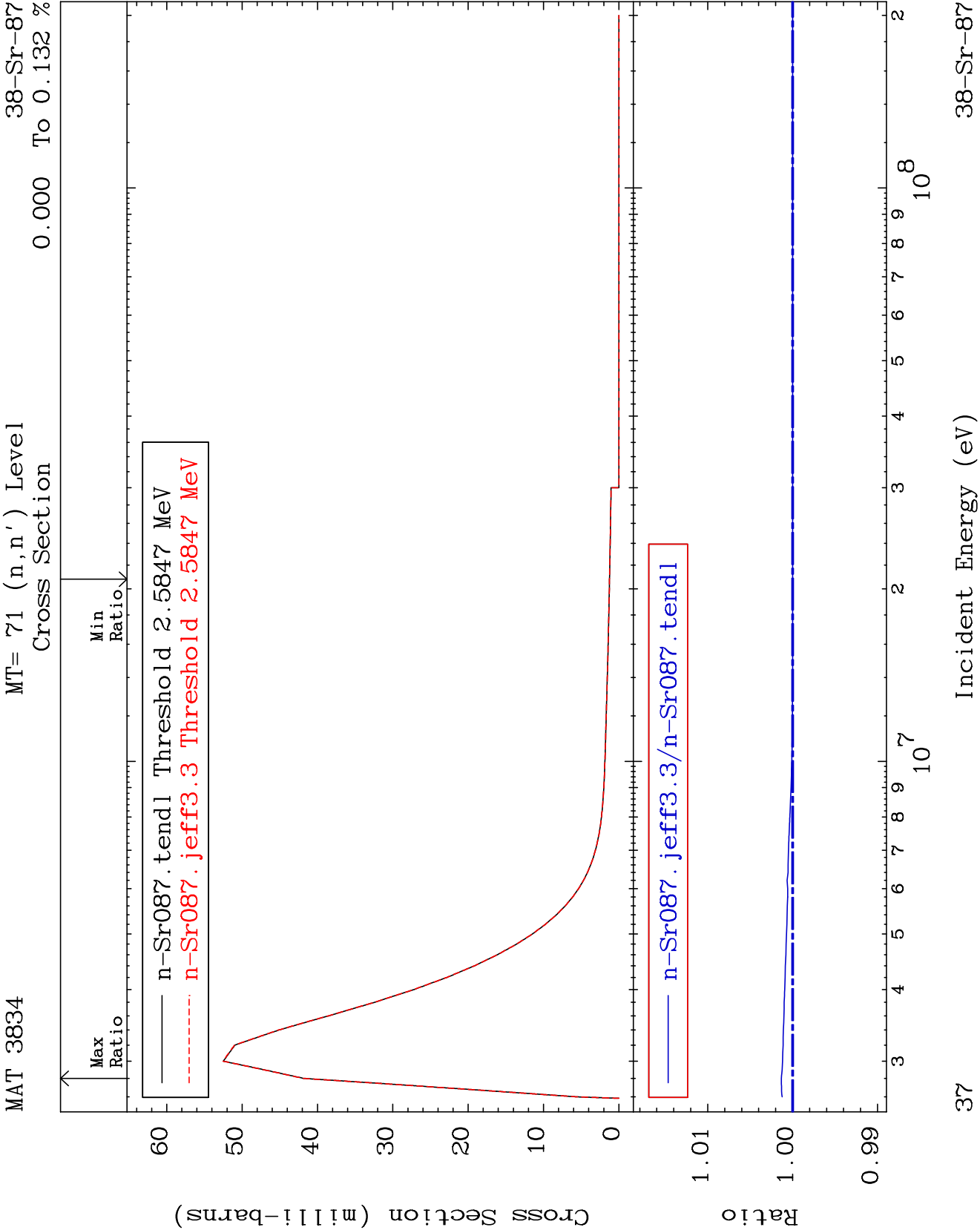


MAT 3834

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

38-Sr-87
0.000 To 0.118 %

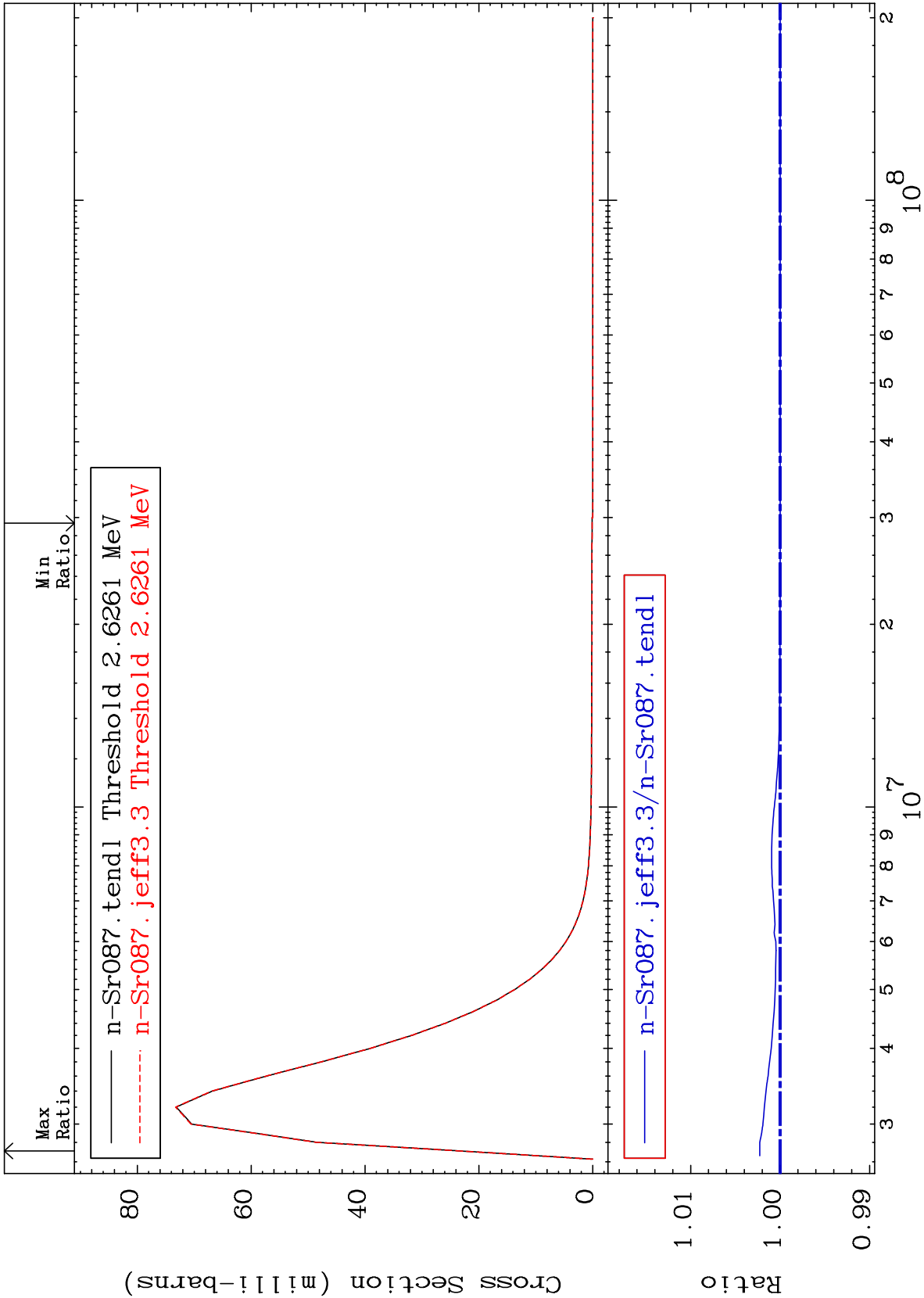




MAT 3834

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

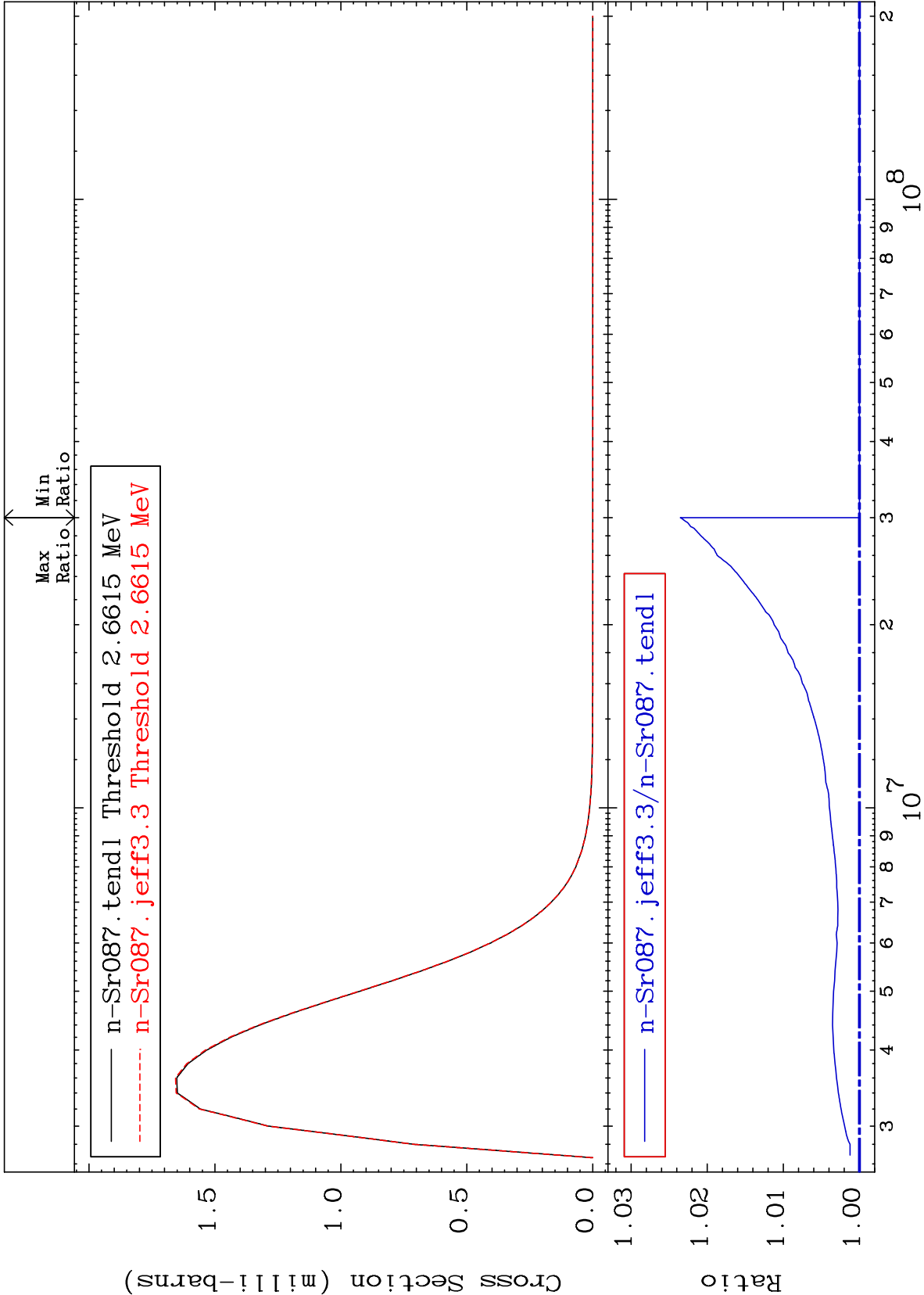
38-Sr-87
0.000 To 0.229 %



MAT 3834

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

38-Sr-87
0.000 To 2.352 %



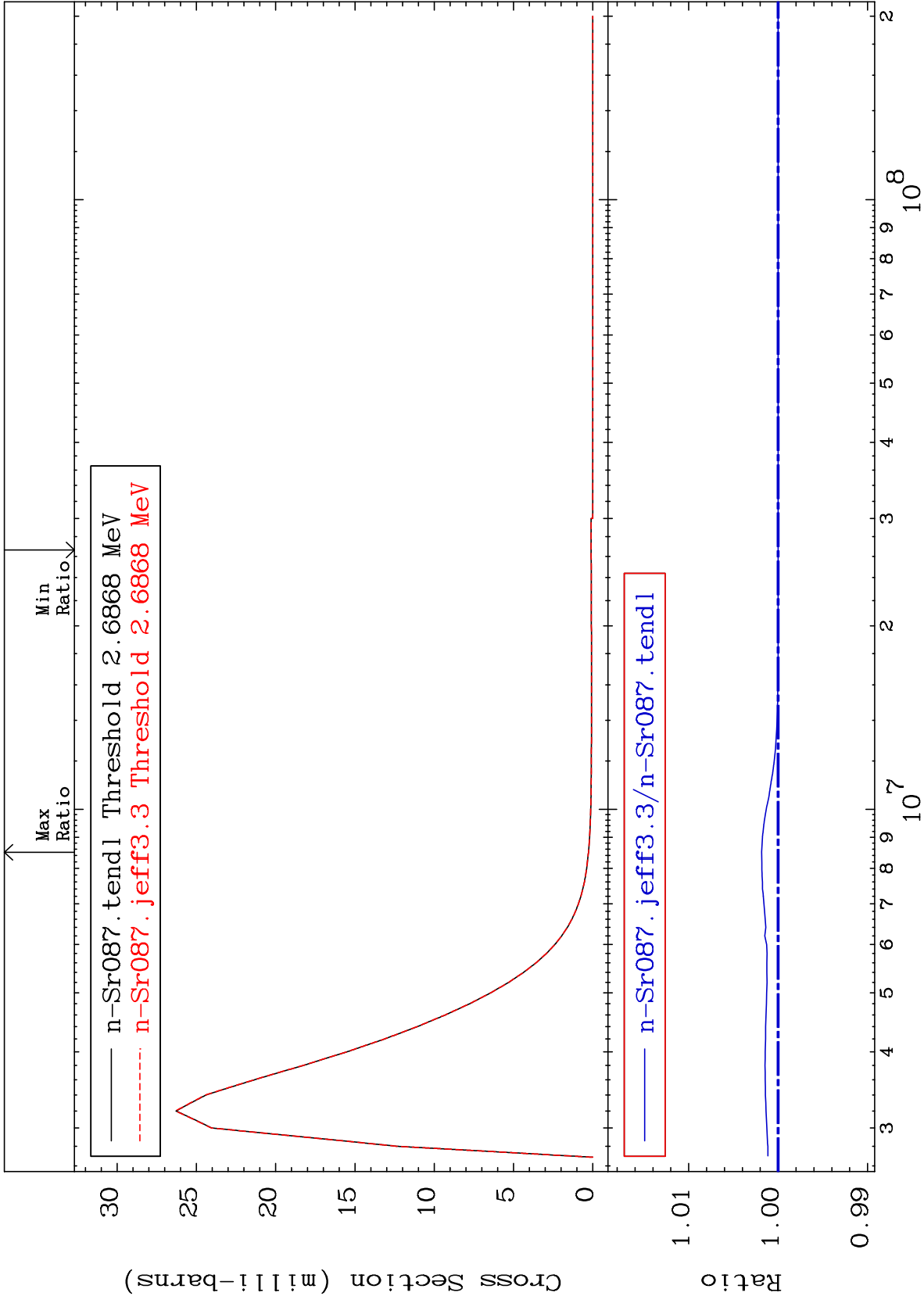
MAT 3834

MT= 74 (n,n') Level

38-Sr-87

0.000 To 0.184 %

Cross Section



40

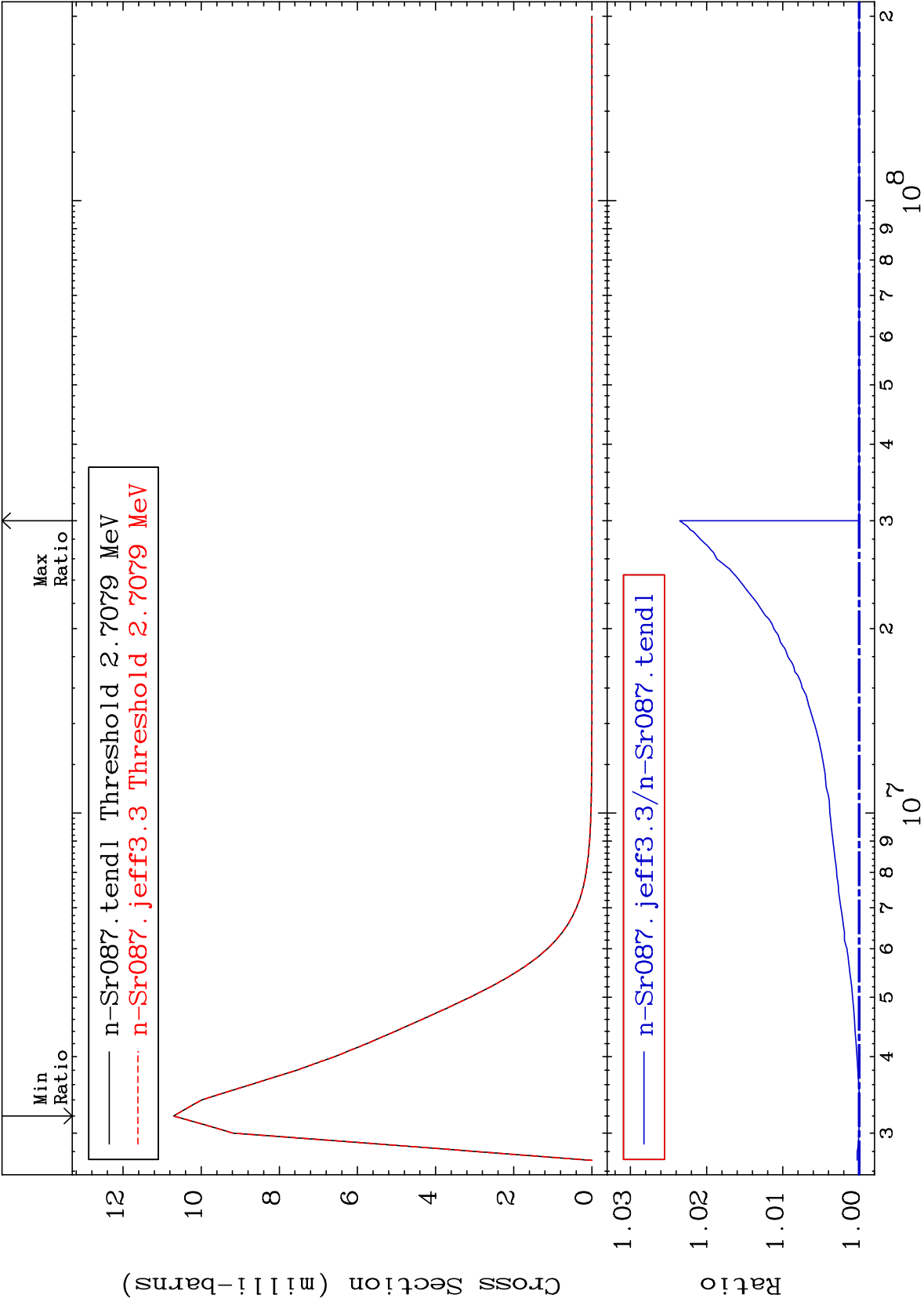
Incident Energy (eV)

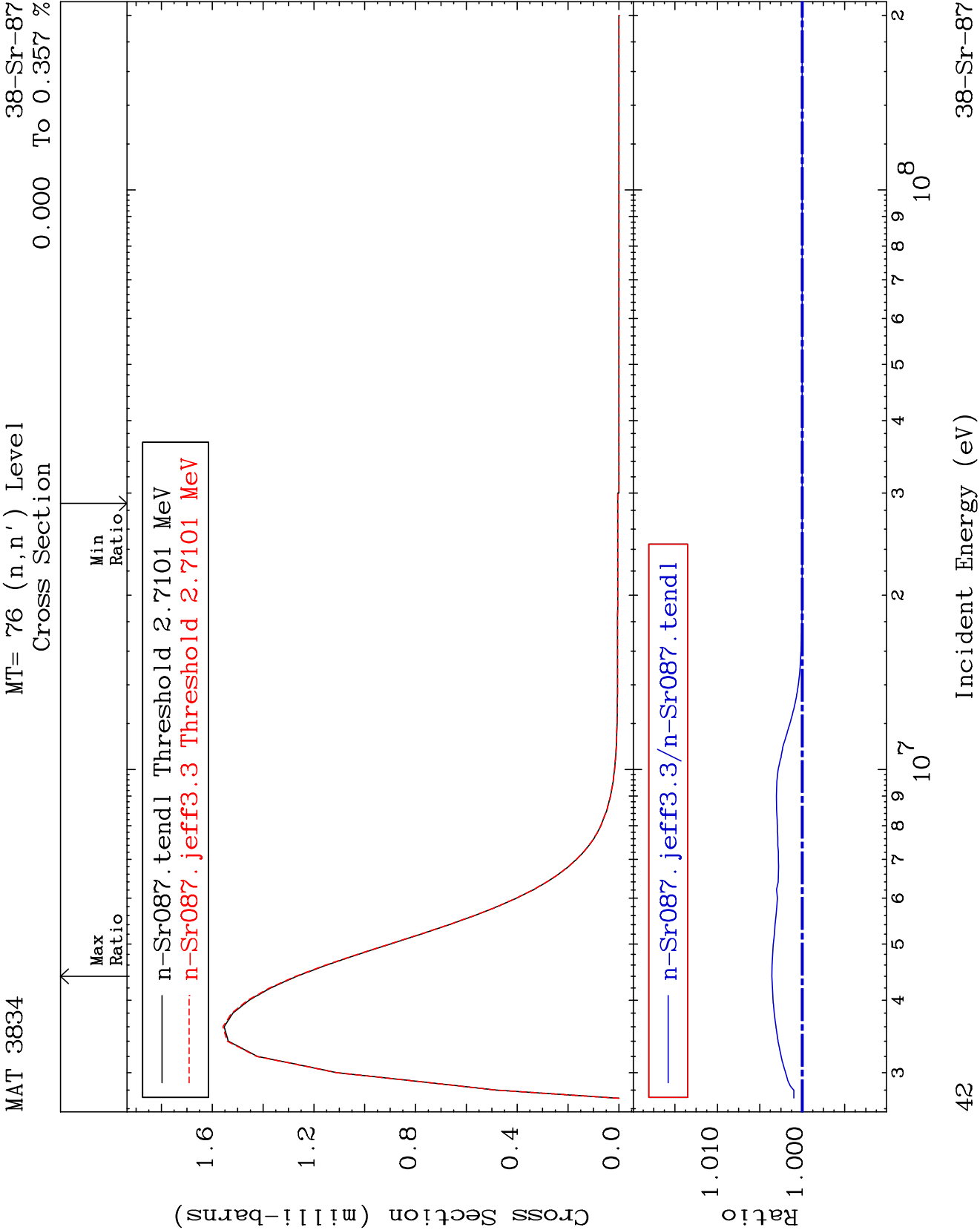
38-Sr-87

MAT 3834

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

38-Sr-87
-0.002 To 2.352 %

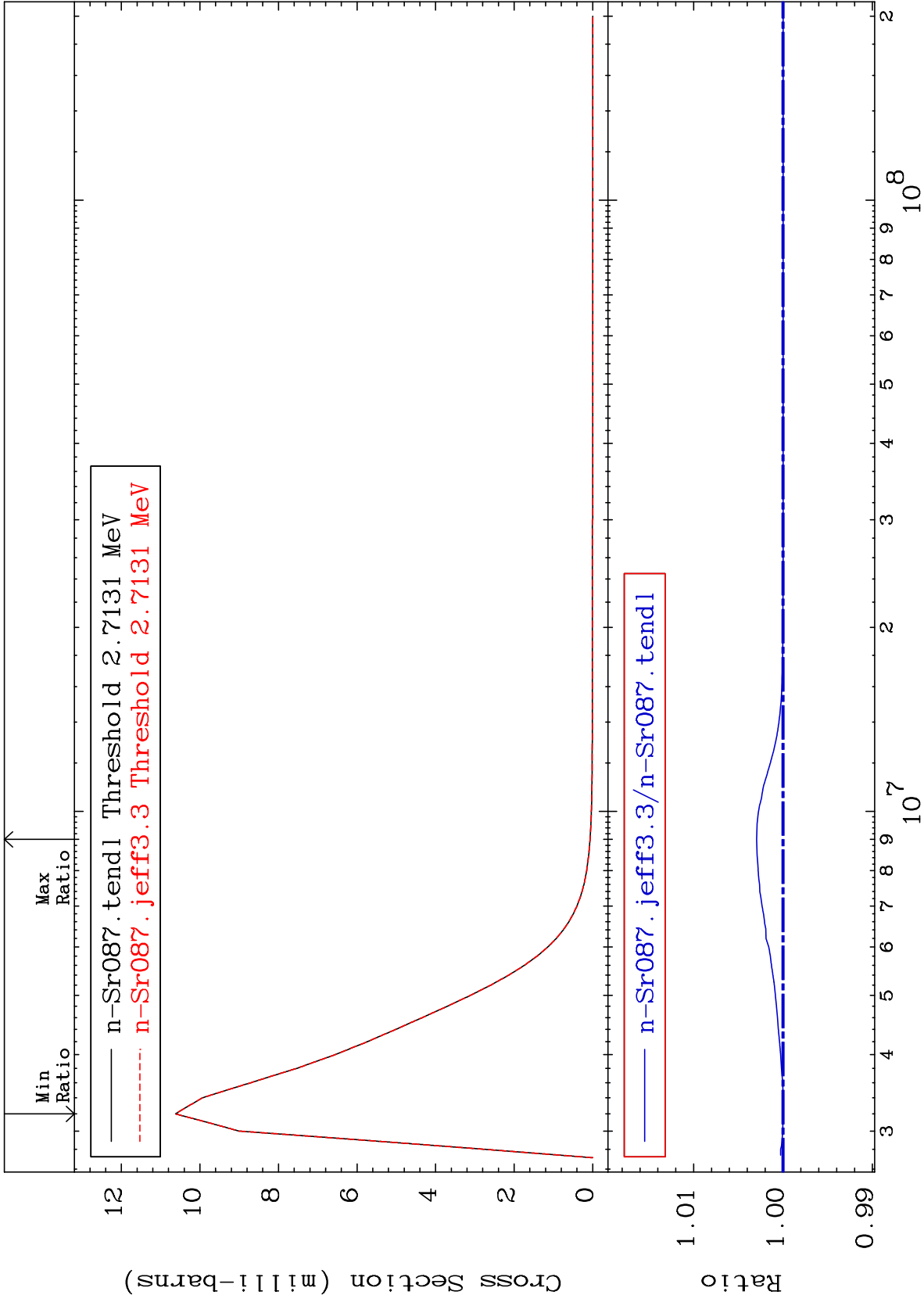




MAT 3834

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

38-Sr-87
-0.002 To 0.296 %



43

Incident Energy (eV)

38-Sr-87

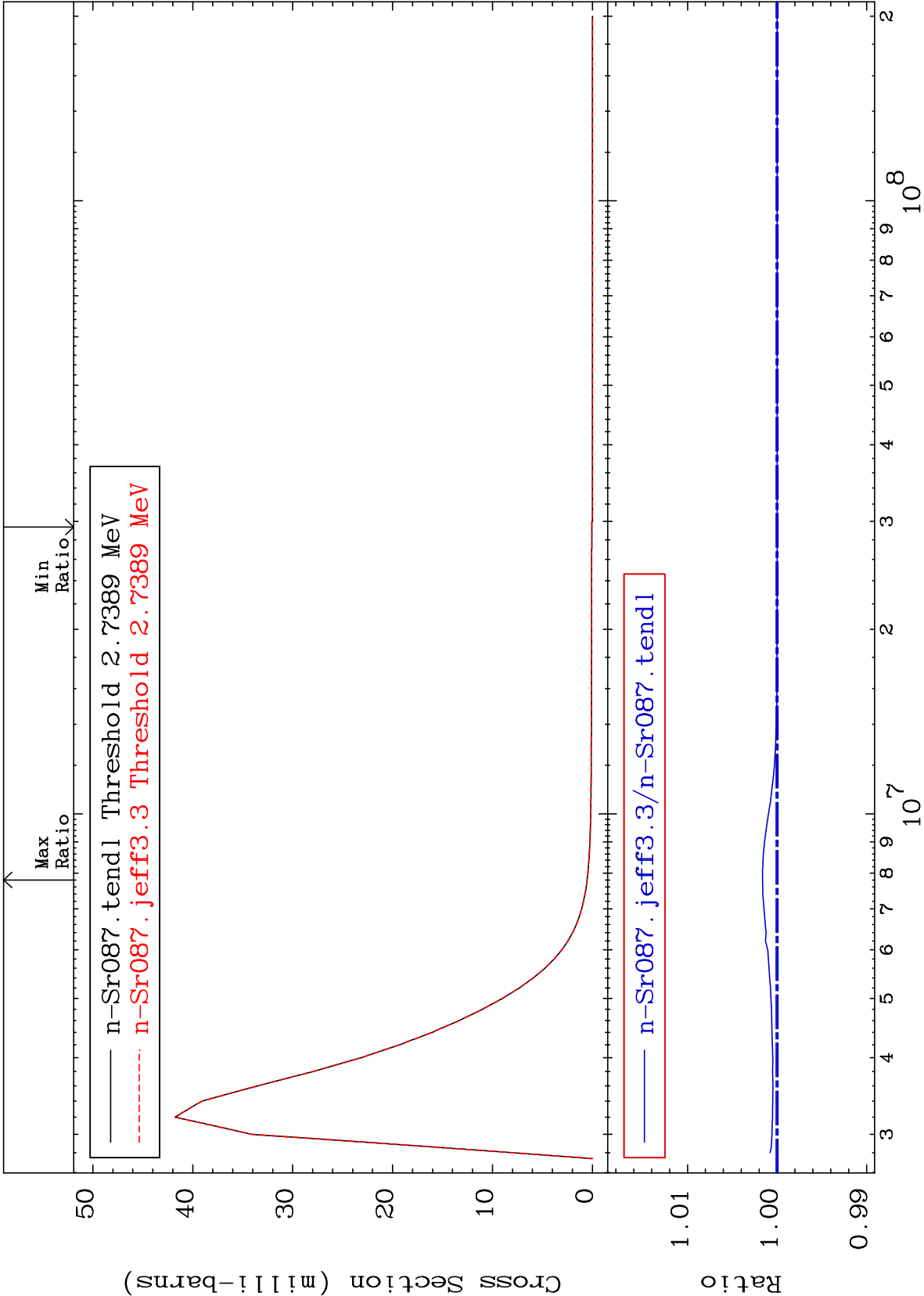
MAT 3834

MT= 78 (n,n') Level

38-Sr-87

0.000 To 0.163 %

Cross Section



44

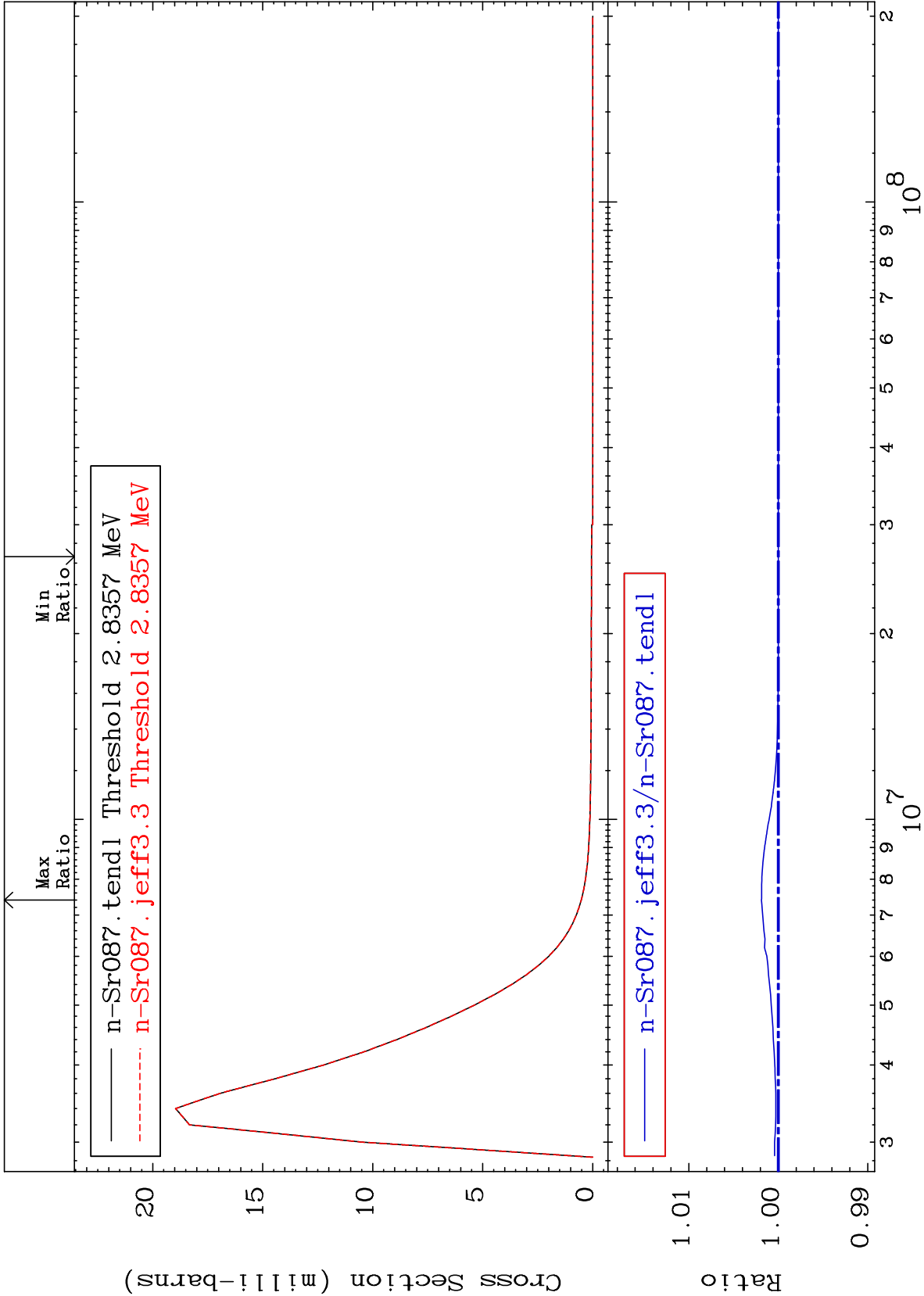
Incident Energy (eV)

38-Sr-87

MAT 3834

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

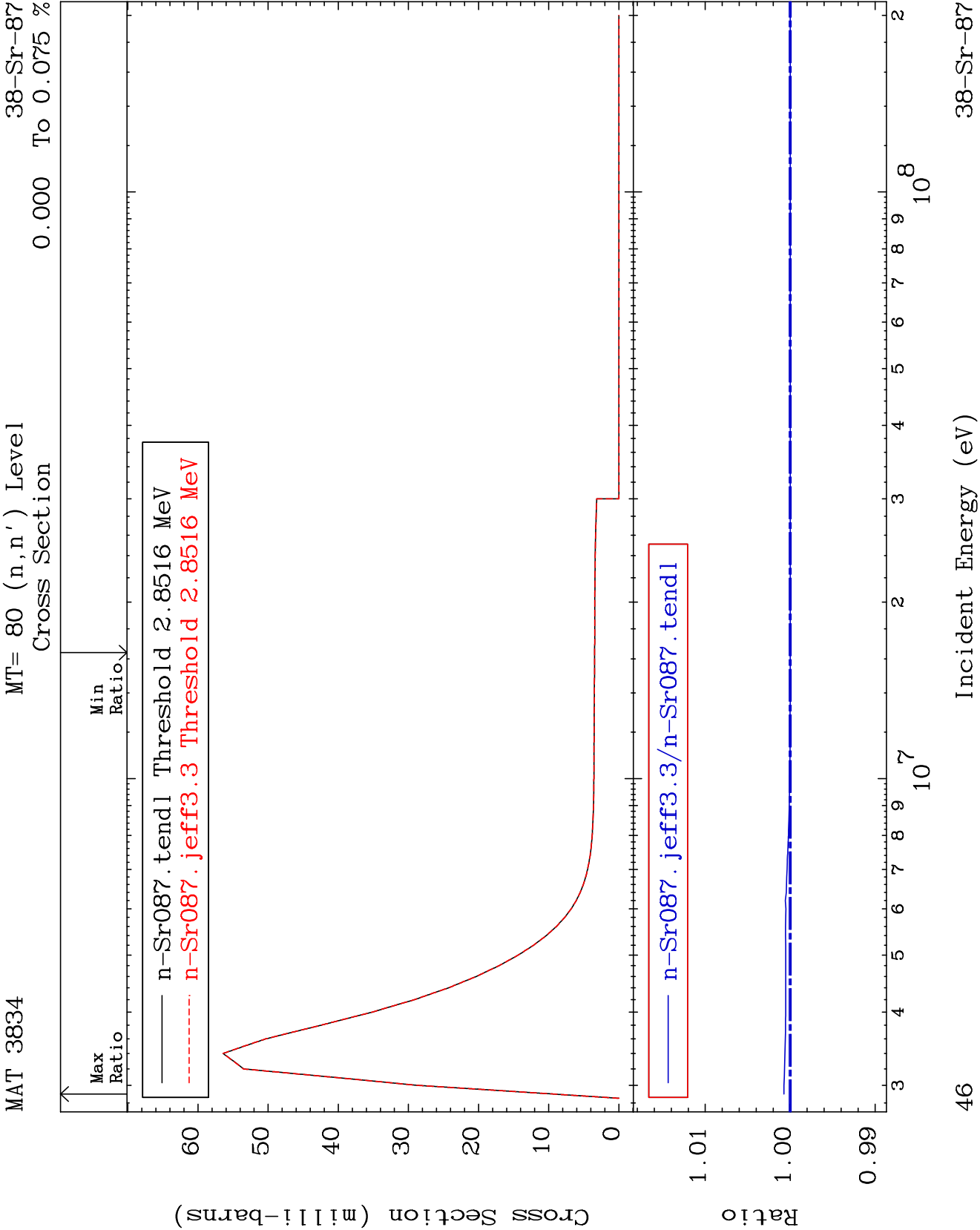
38-Sr-87
0.000 To 0.188 %

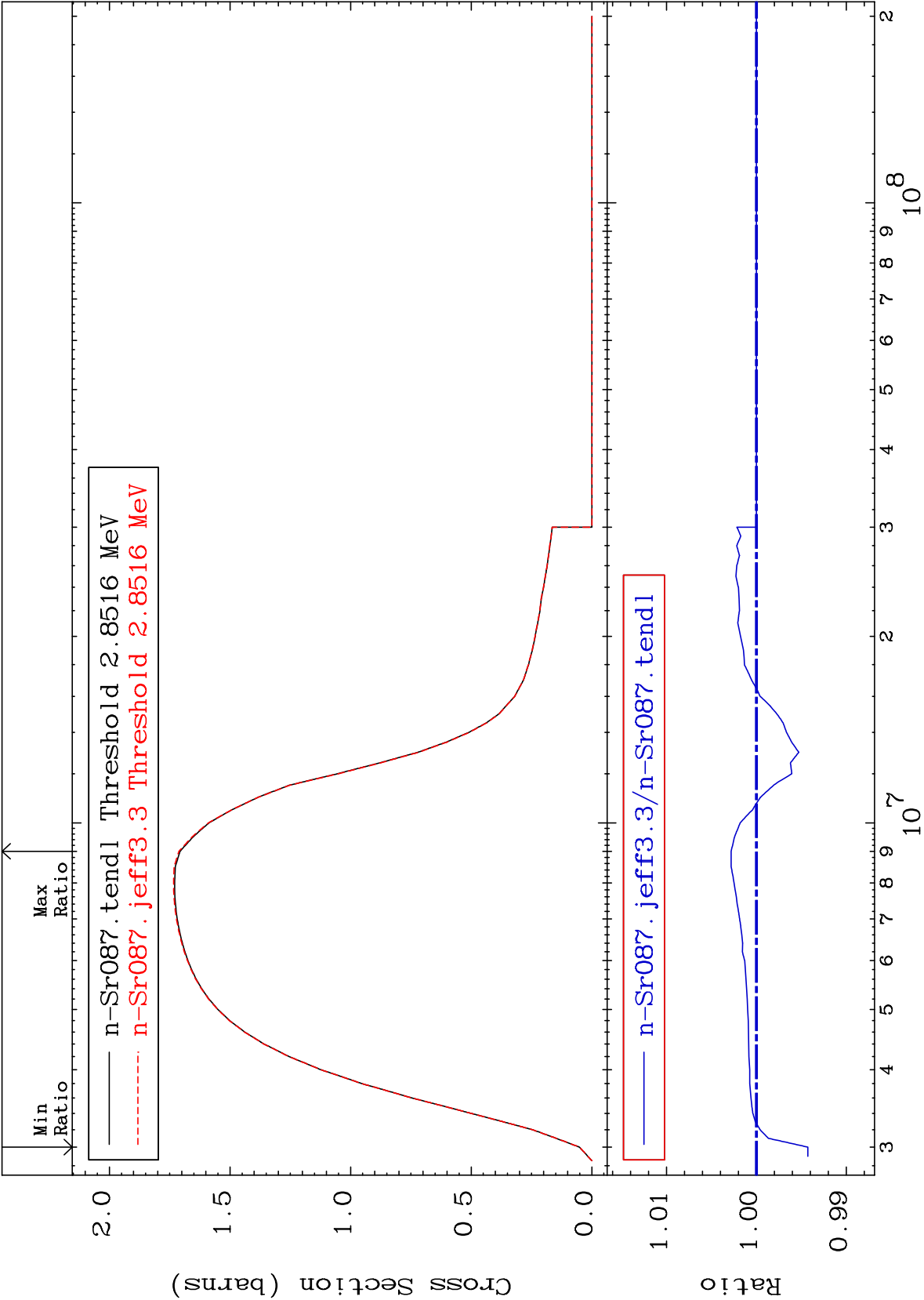


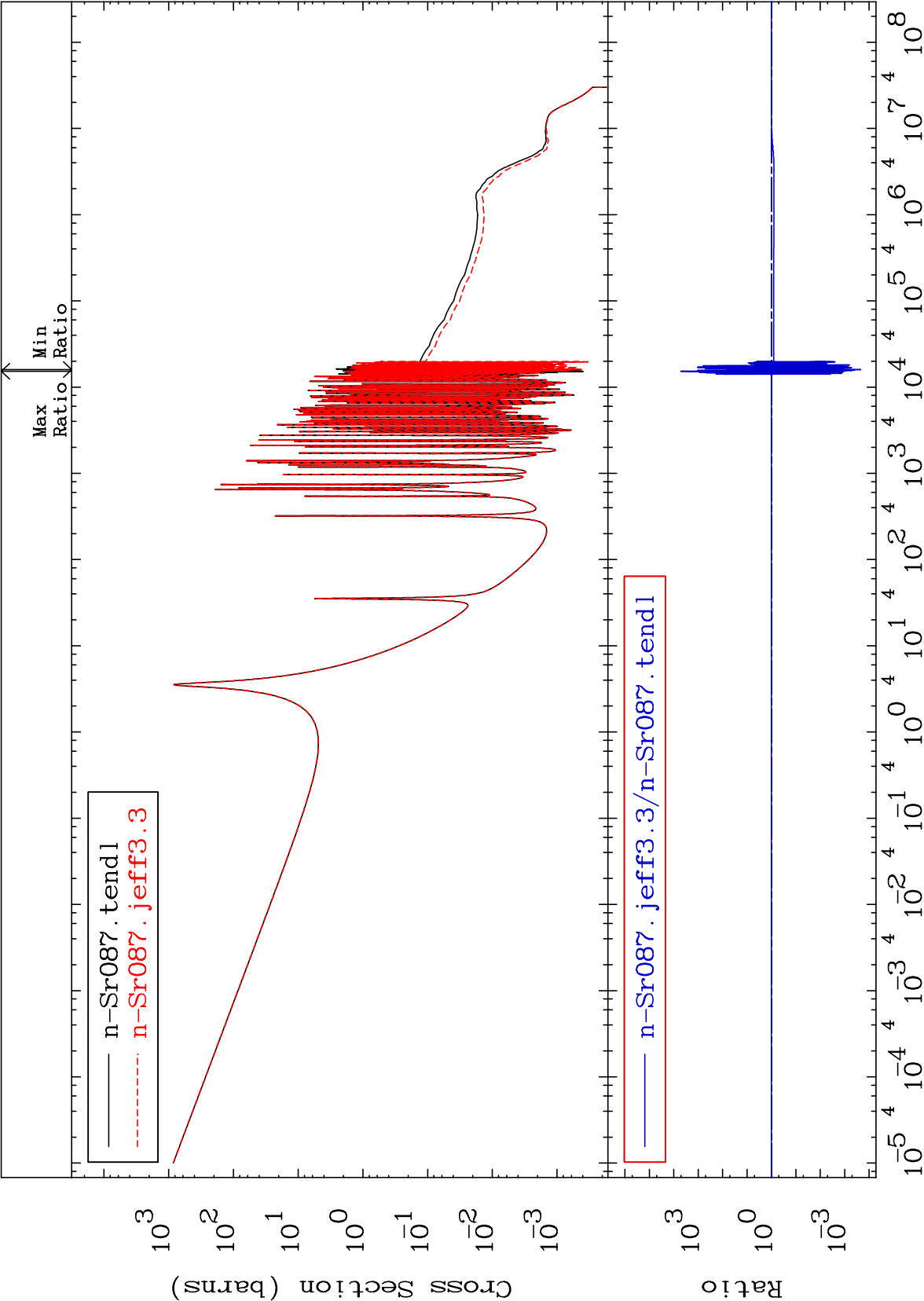
45

Incident Energy (eV)

38-Sr-87

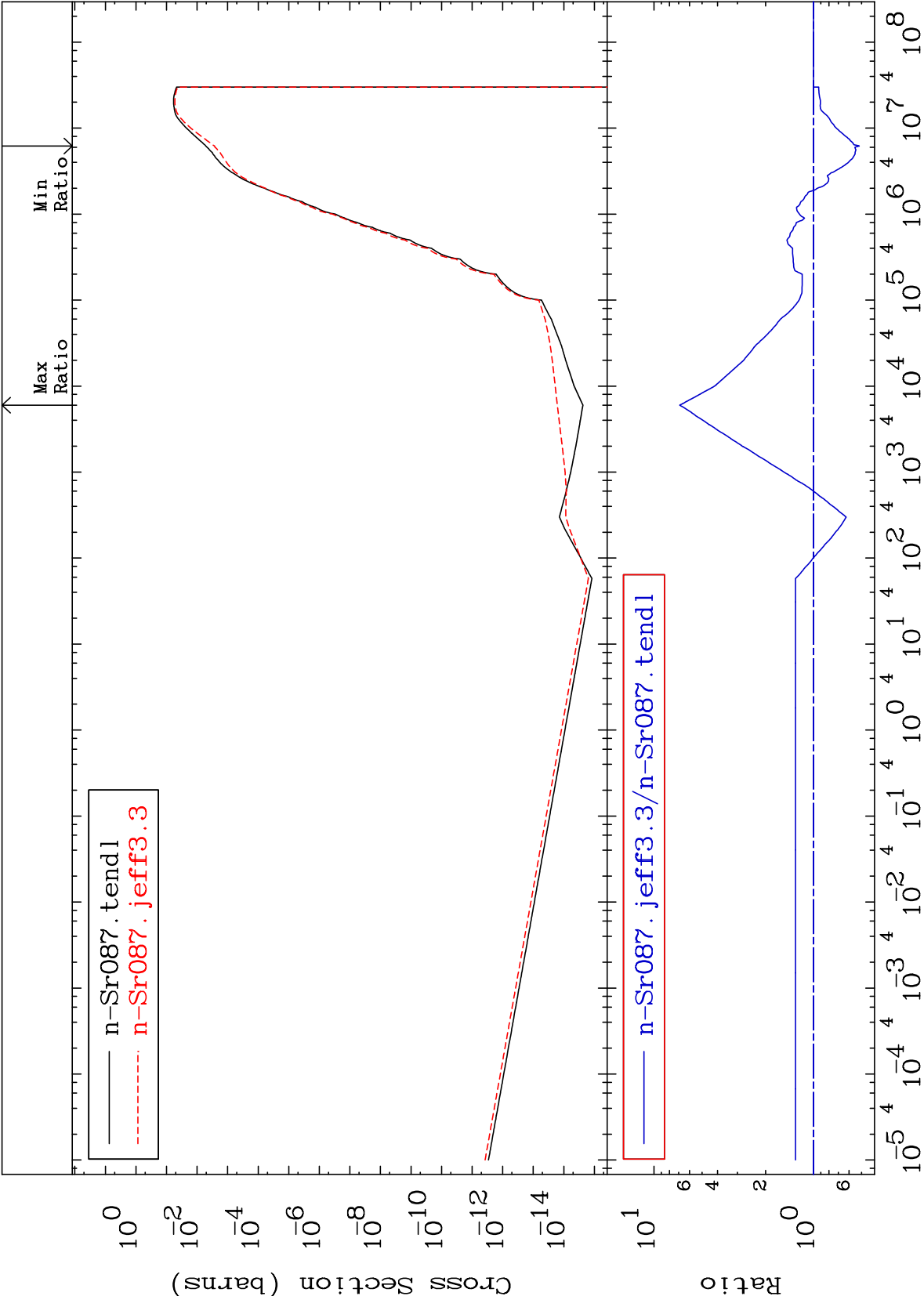






(n,p)
Cross Section

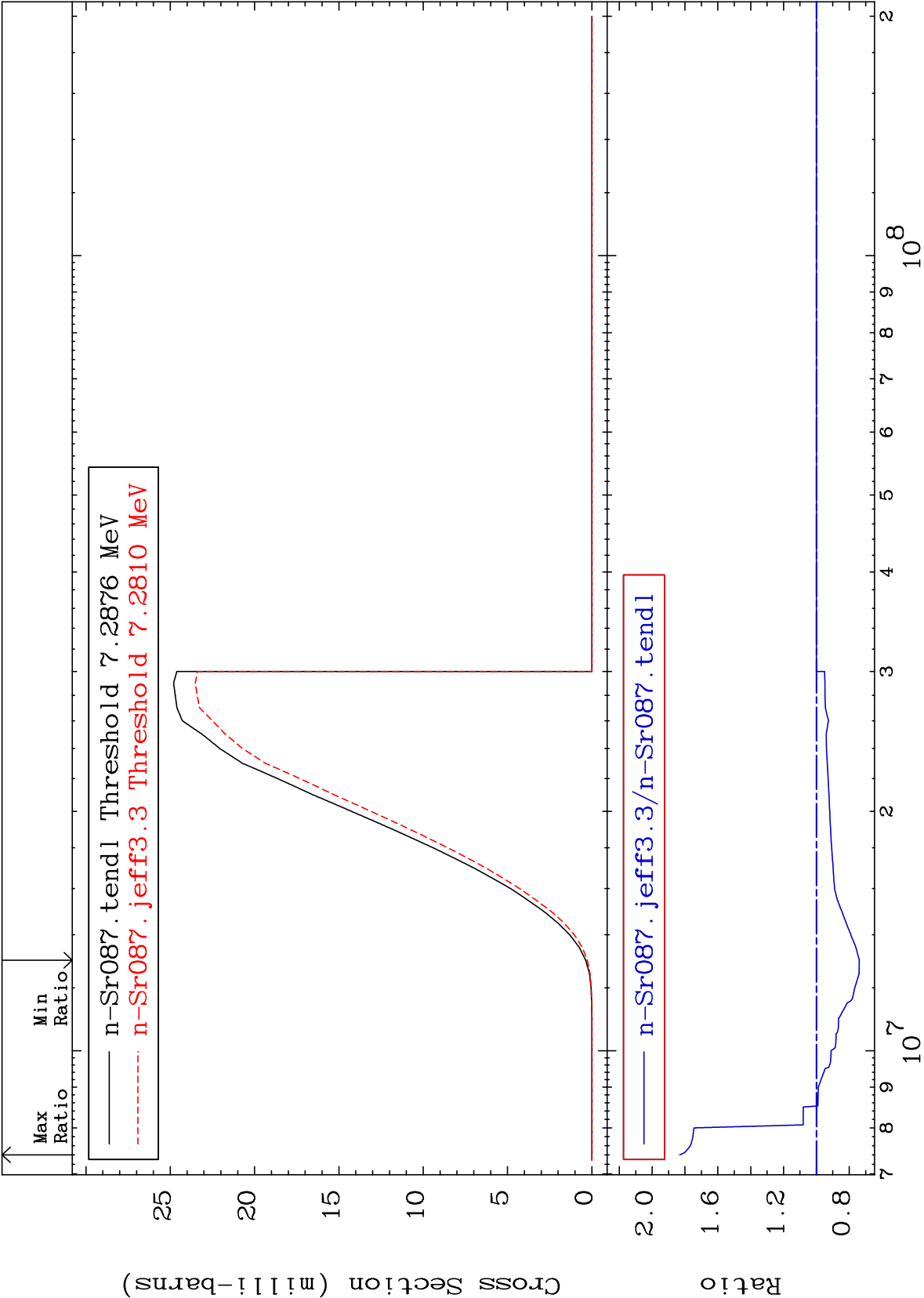
-48.30 To 590.1 %



MAT 3834

(n,d)
Cross Section

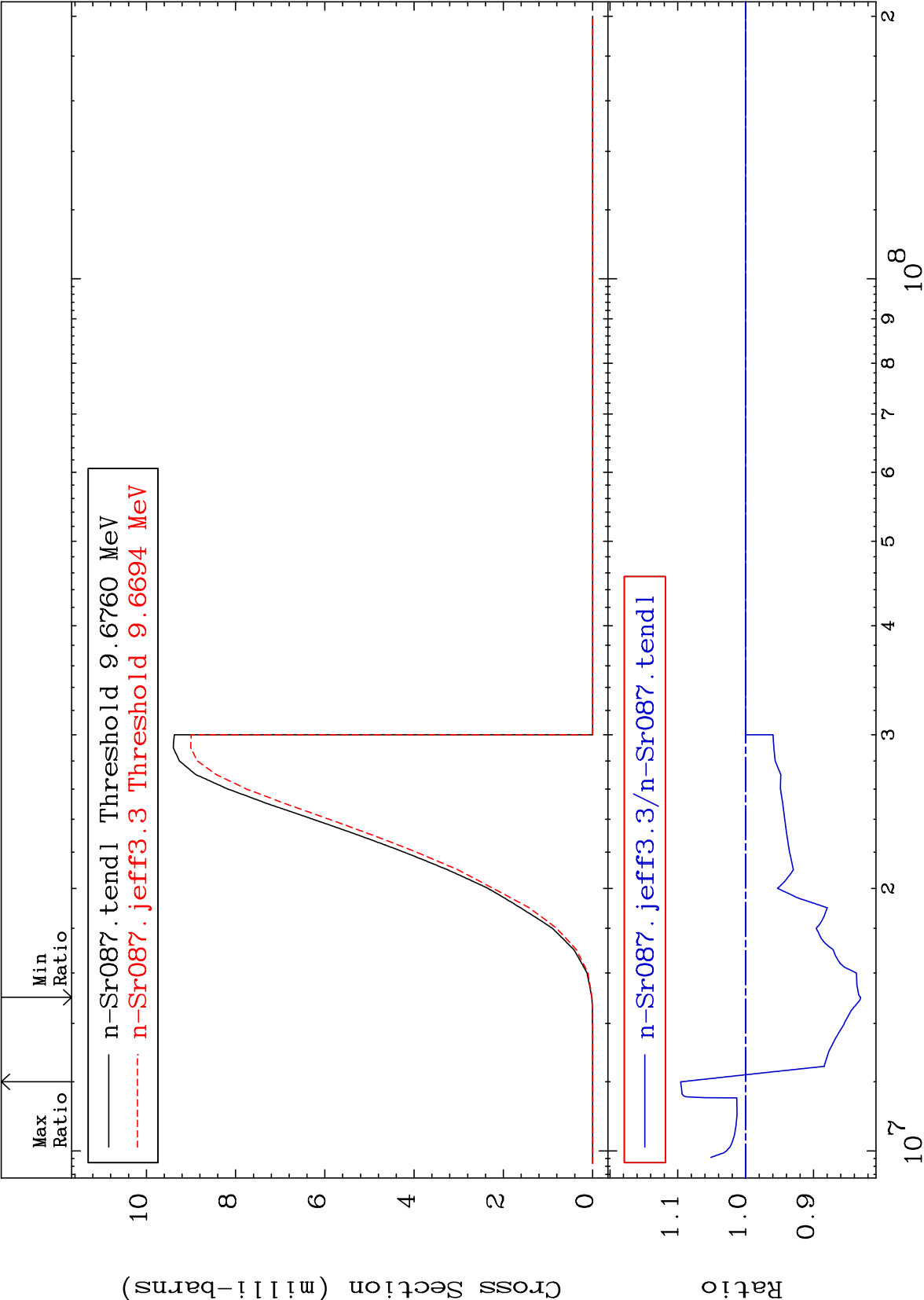
38-Sr-87
-26.11 To 83.19 %



50

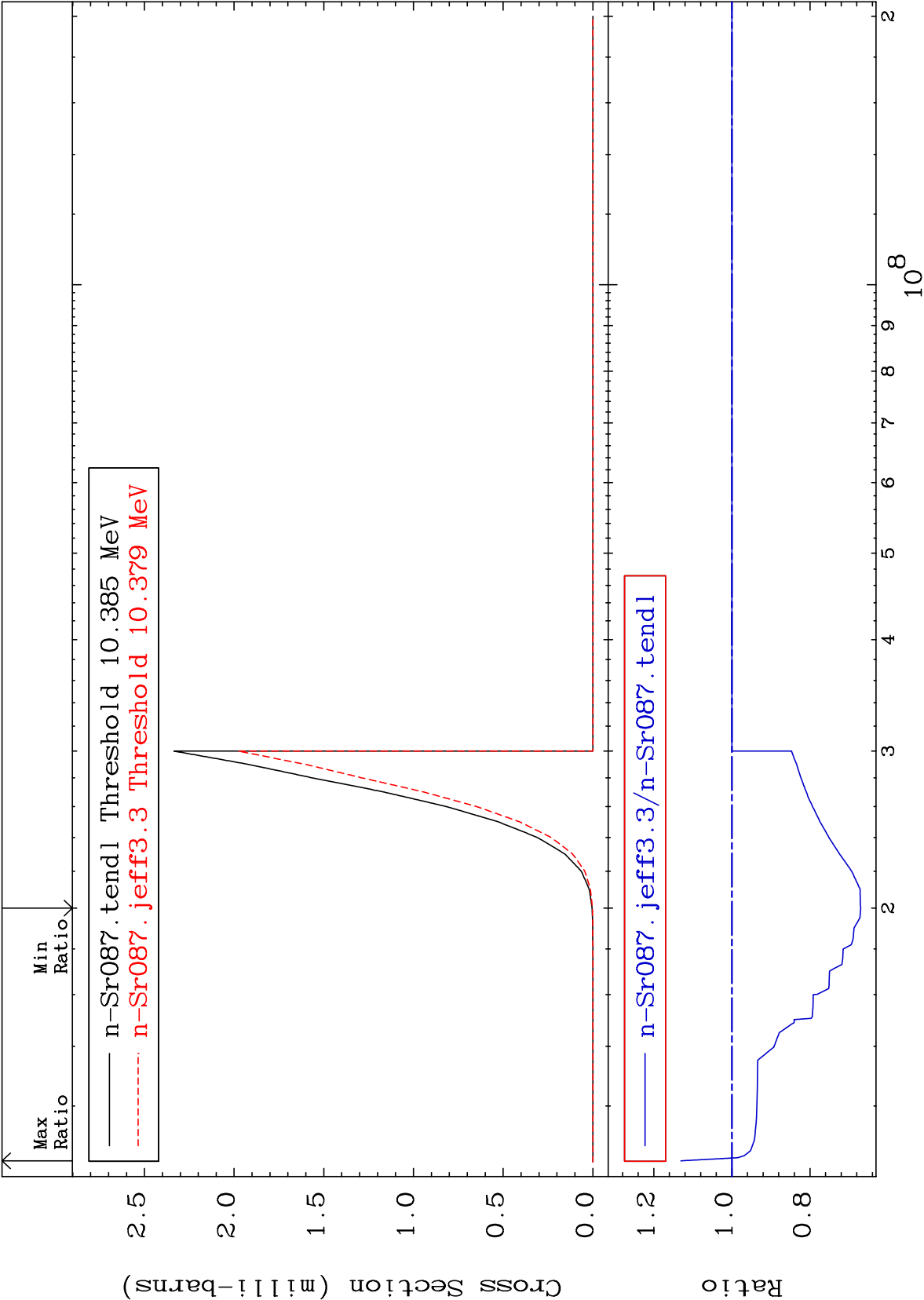
Incident Energy (eV)

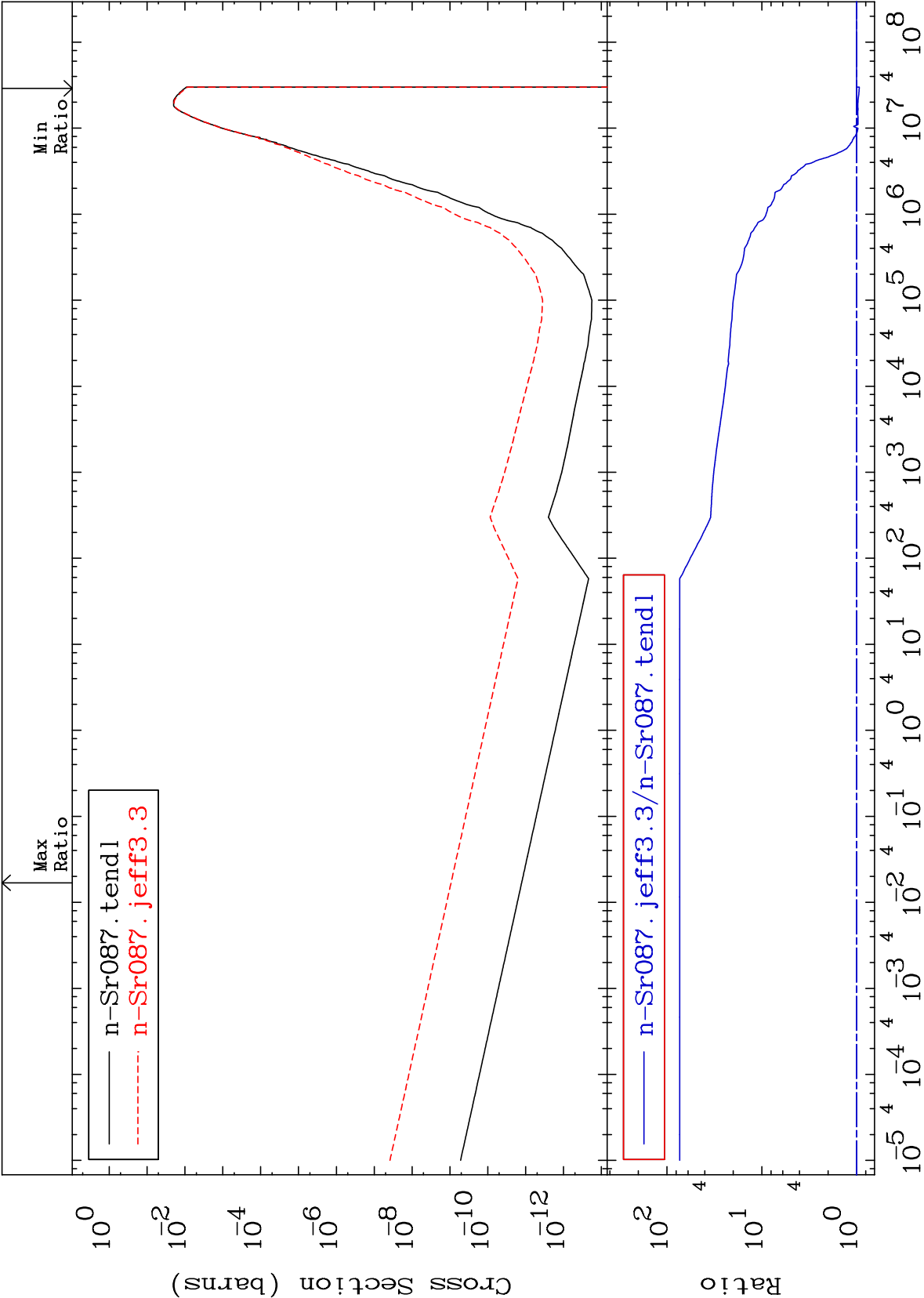
38-Sr-87



Cross Section

-33.00 To 13.06 %





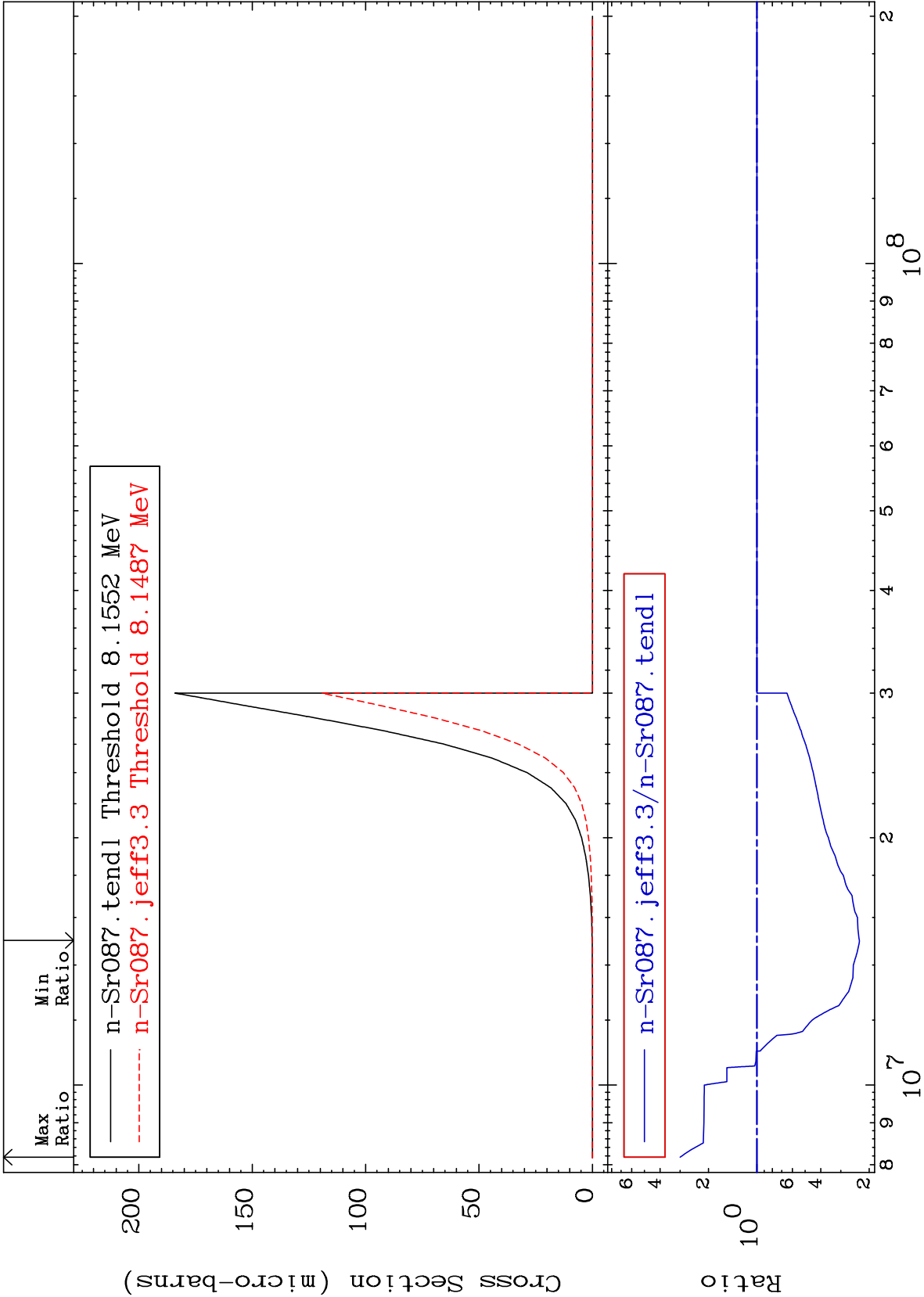
MAT 3834

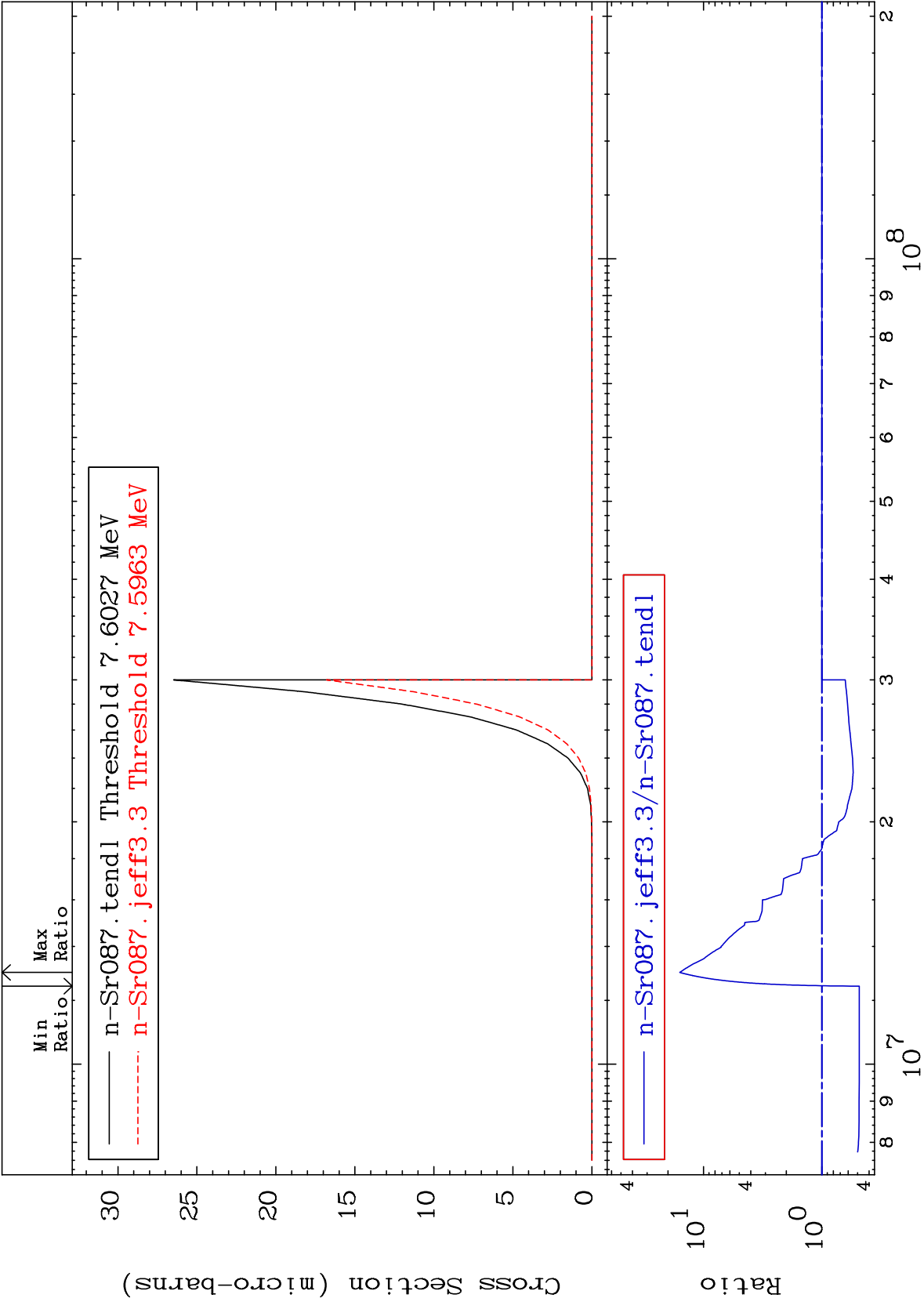
(n,2p)

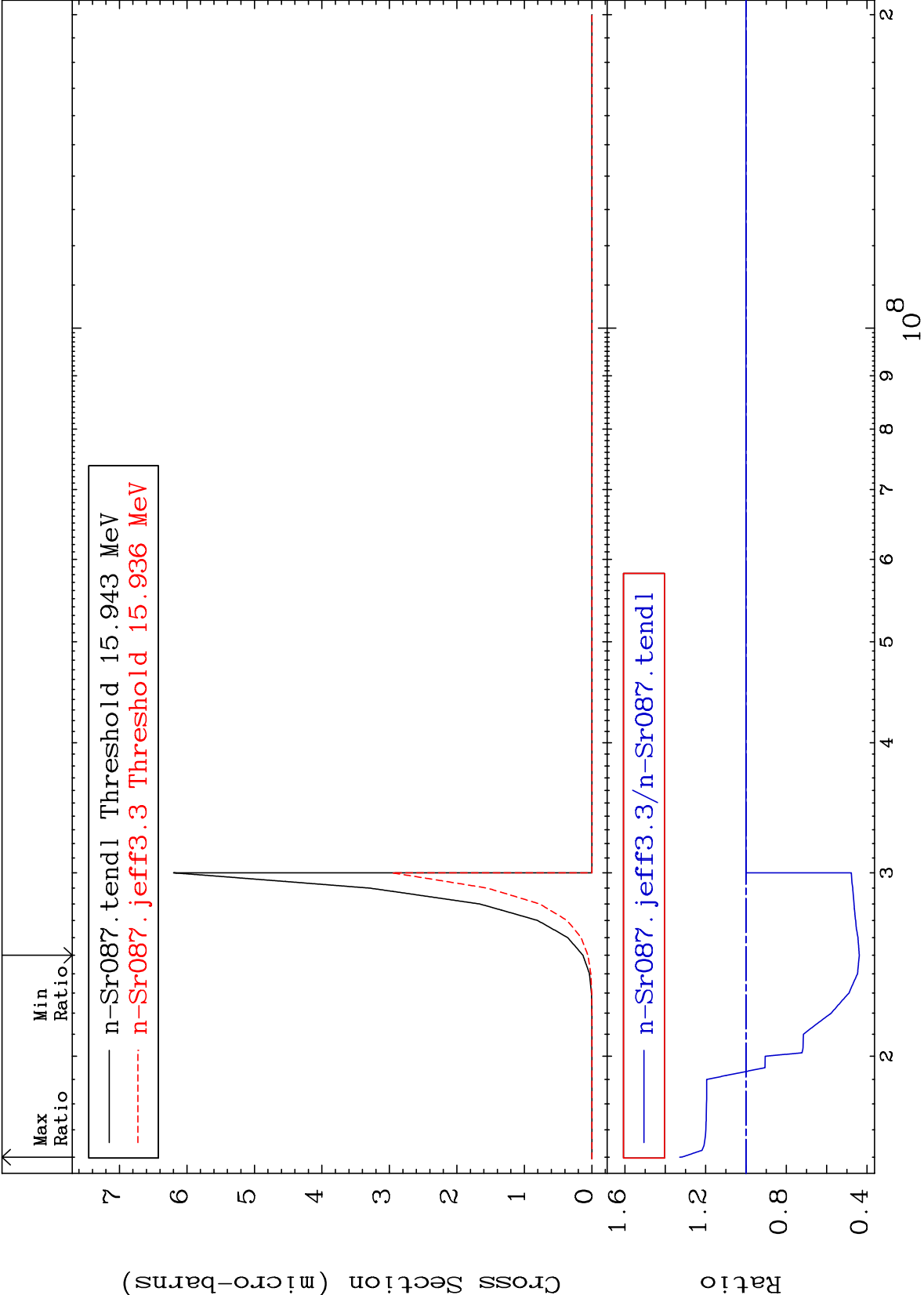
³⁸Sr-87

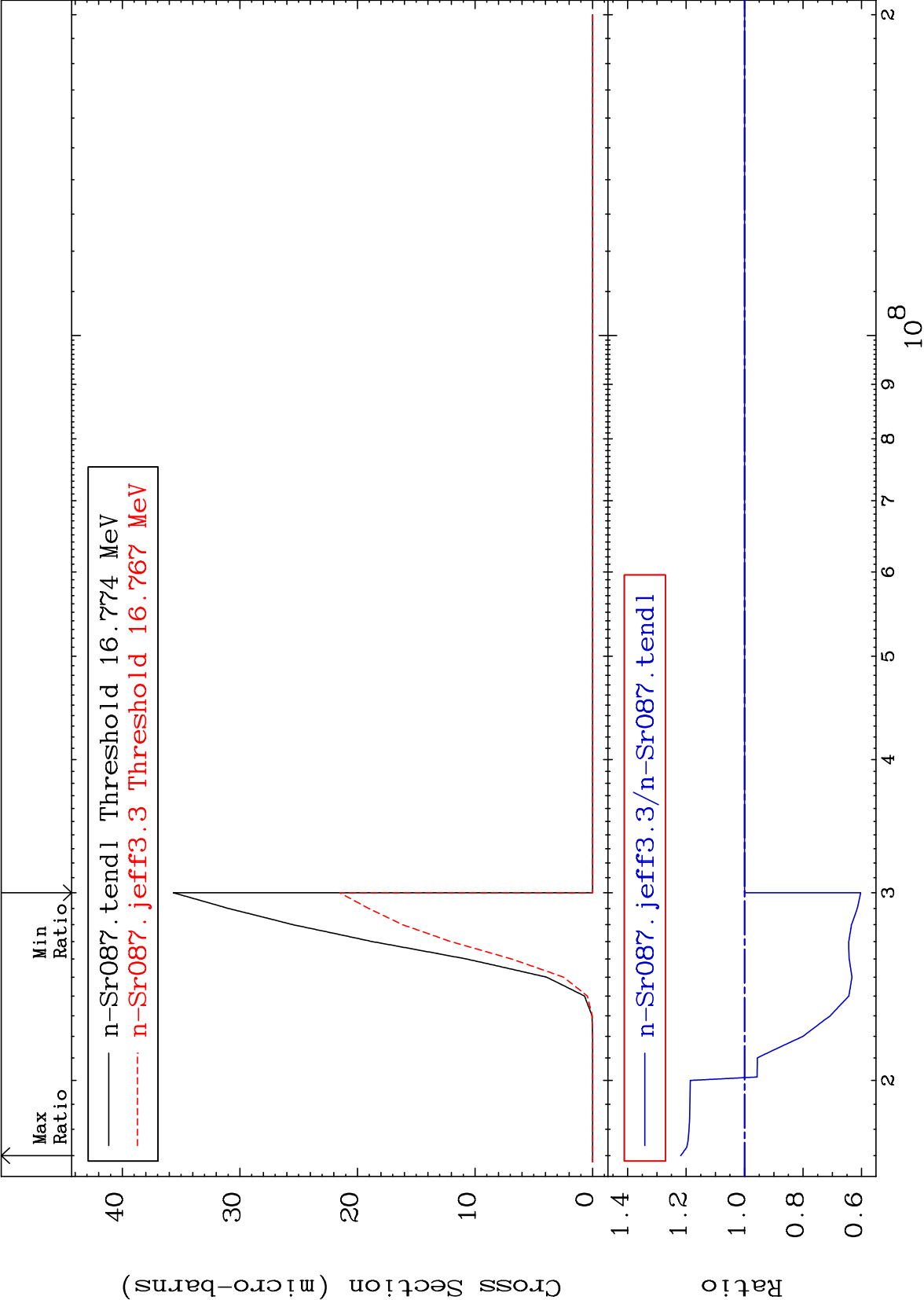
Cross Section

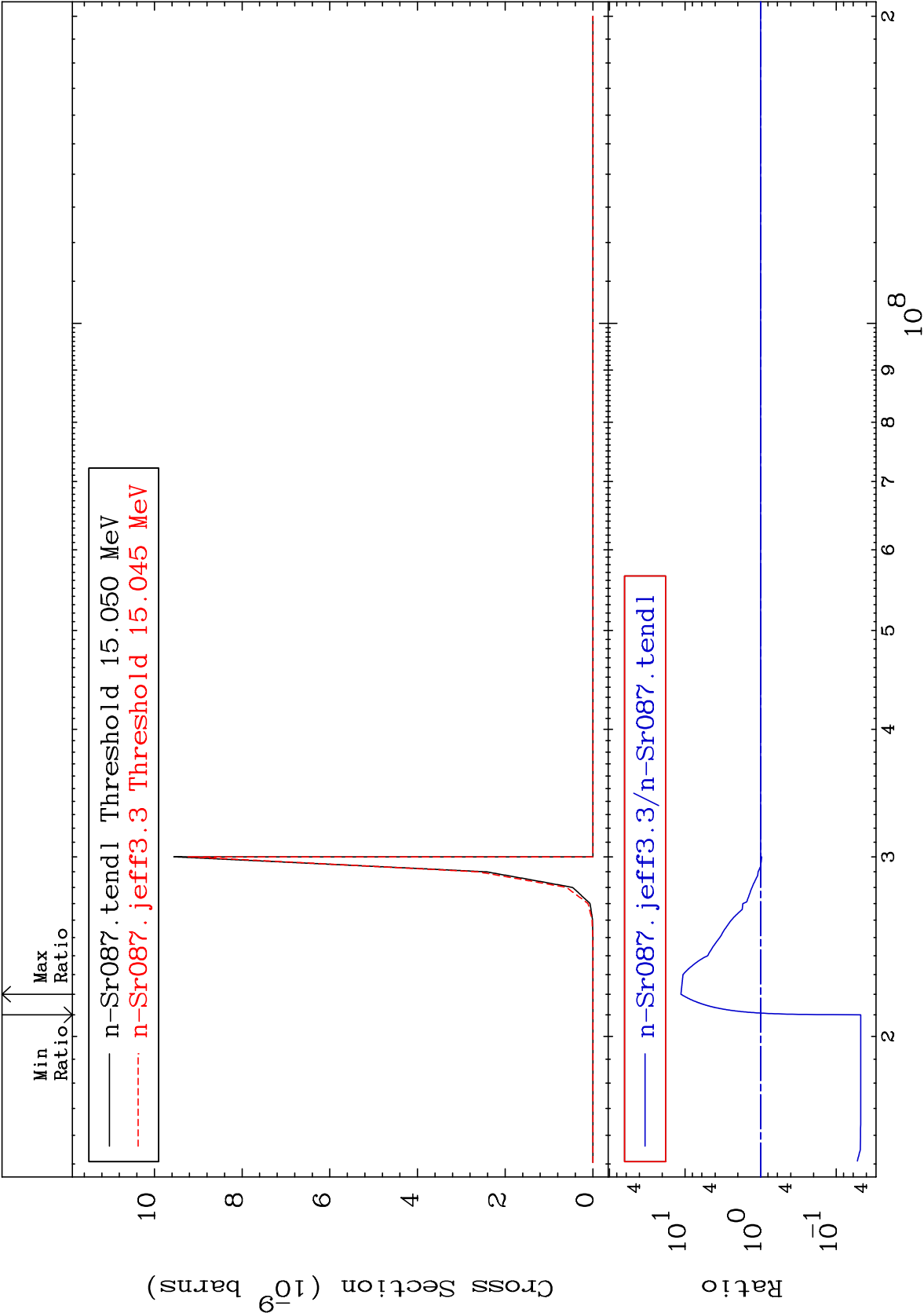
-76.99 To 199.9 %







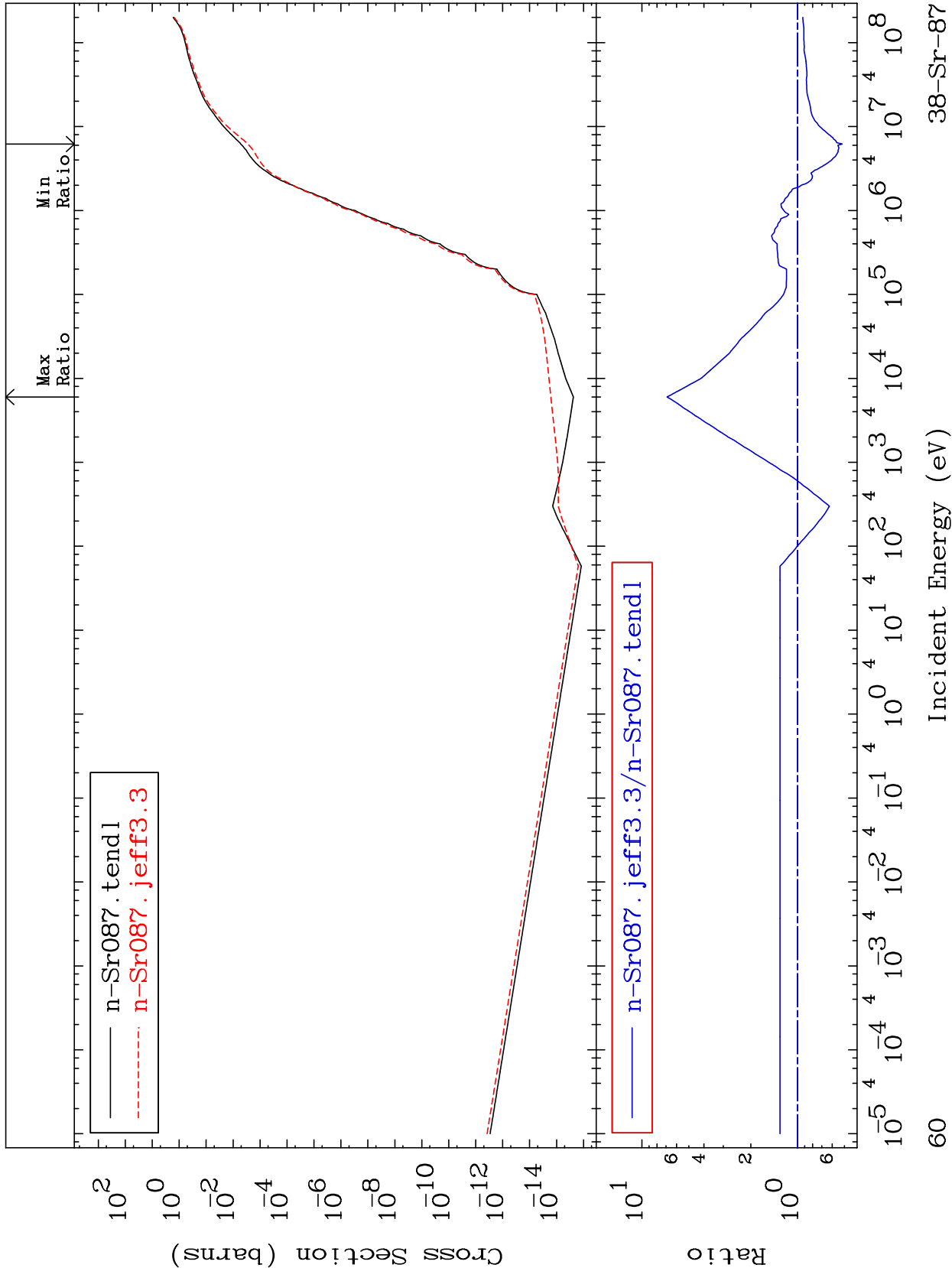




MAT 3834

Hydrogen Production
Cross Section

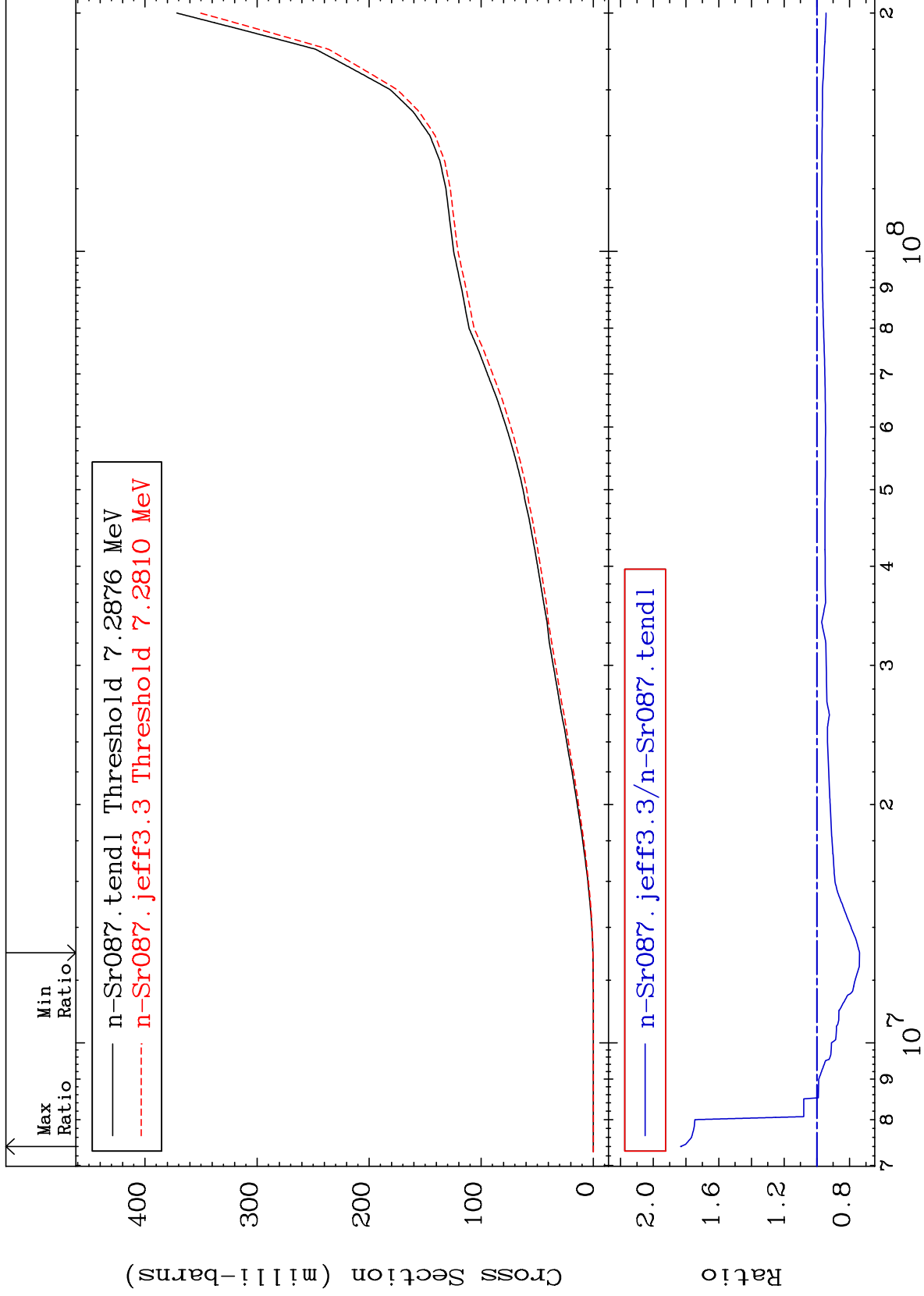
³⁸Sr-87
-48.30 To 590.1 %



MAT 3834

Deuterium Production
Cross Section

38-Sr-87
-26.11 To 83.21 %



61

Incident Energy (eV)

38-Sr-87

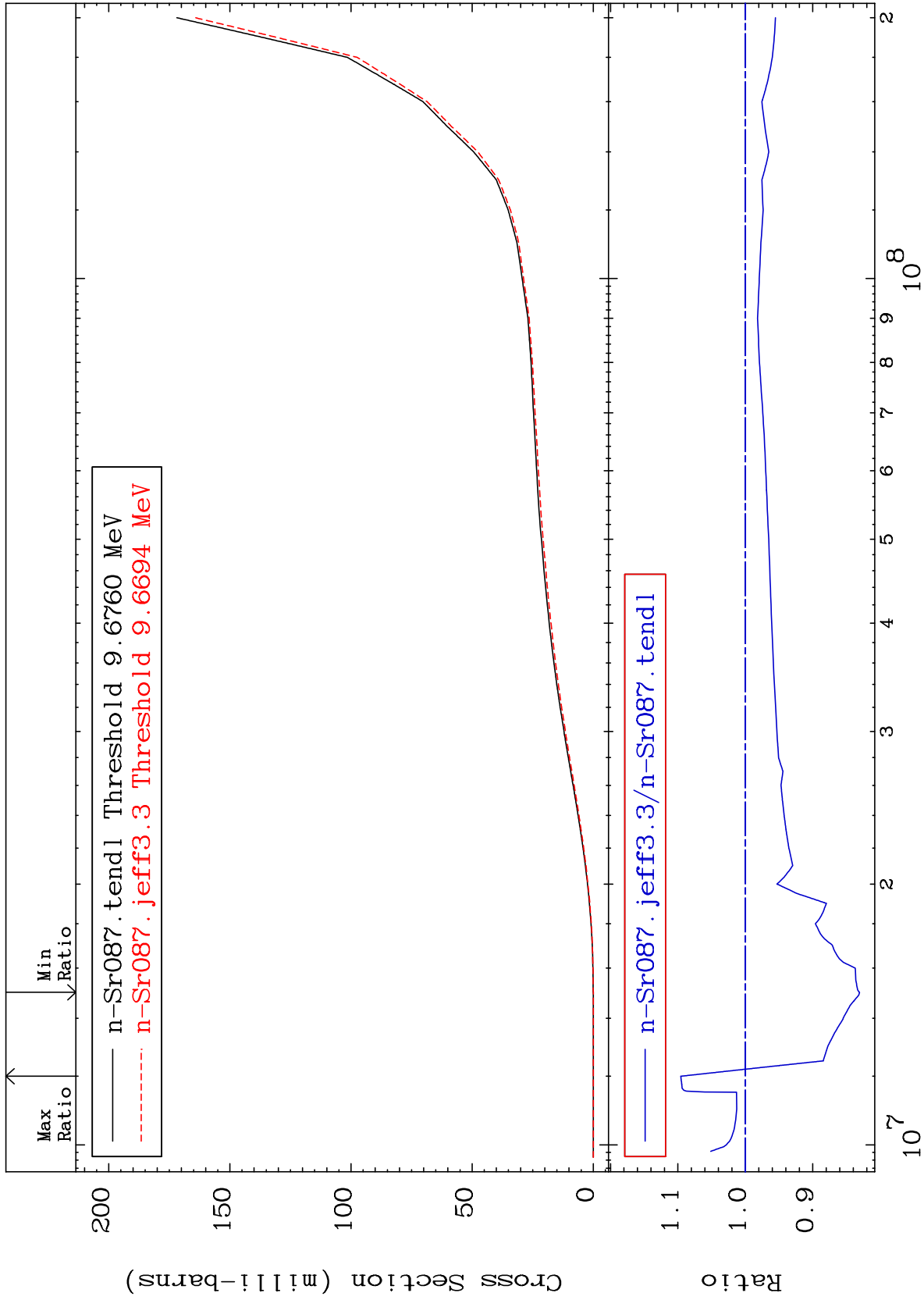
MAT 3834

Tritium Production

³⁸Sr-⁸⁷

Cross Section

-16.94 To 9.576 %



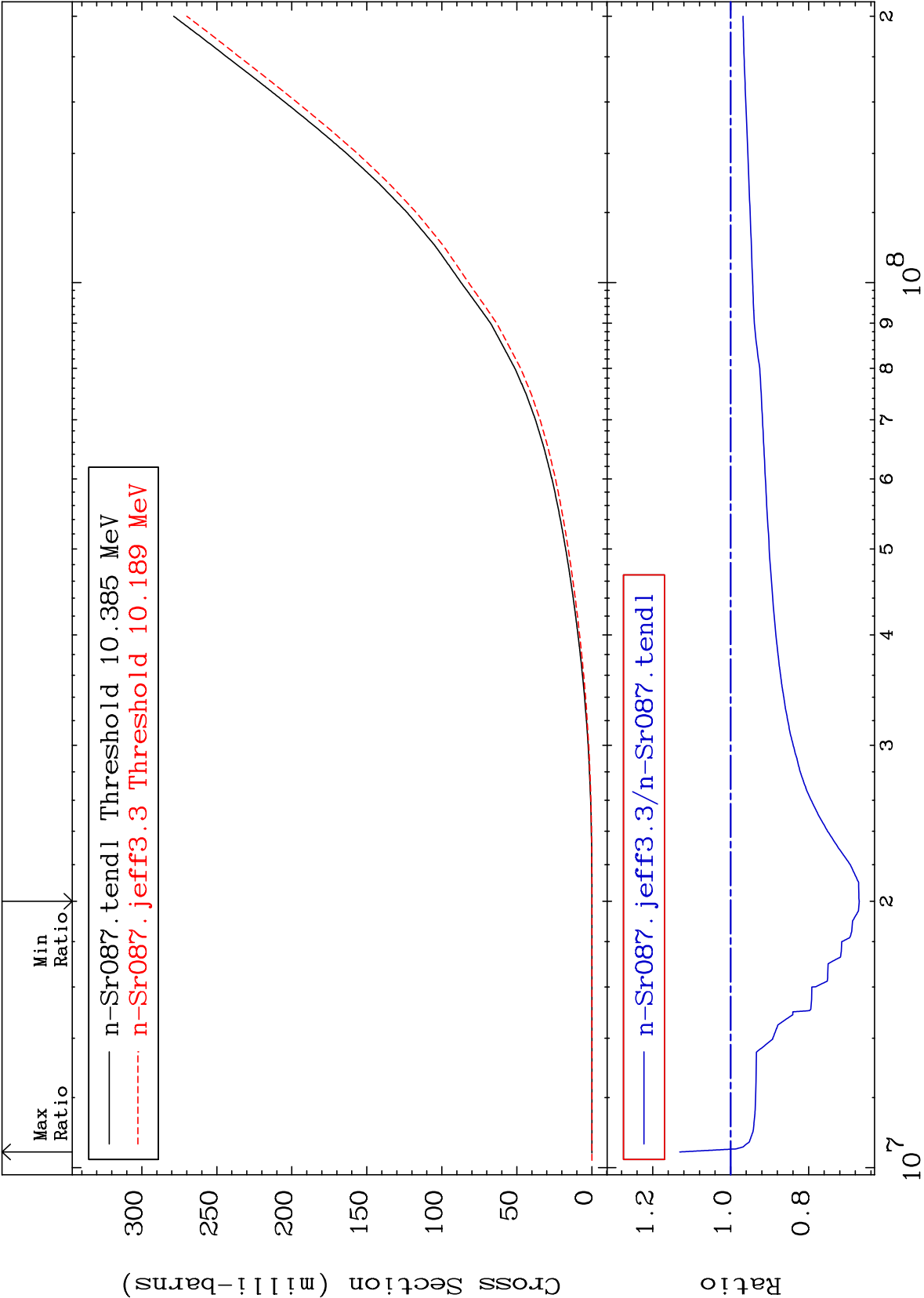
Incident Energy (eV)

³⁸Sr-⁸⁷

MAT 3834

He-3 Production
Cross Section

38-Sr-87
-33.00 To 13.06 %



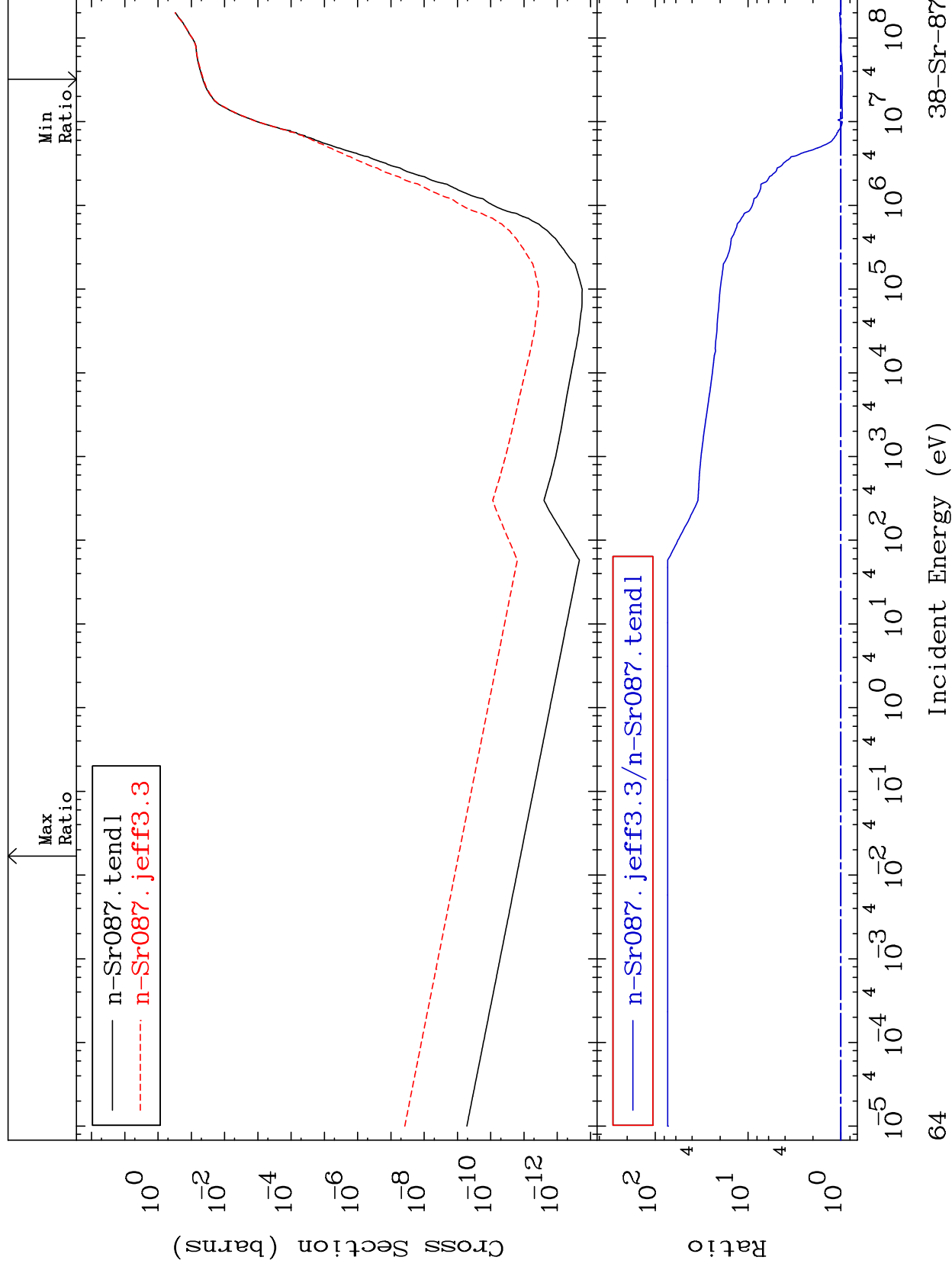
Incident Energy (eV)

38-Sr-87

MAT 3834

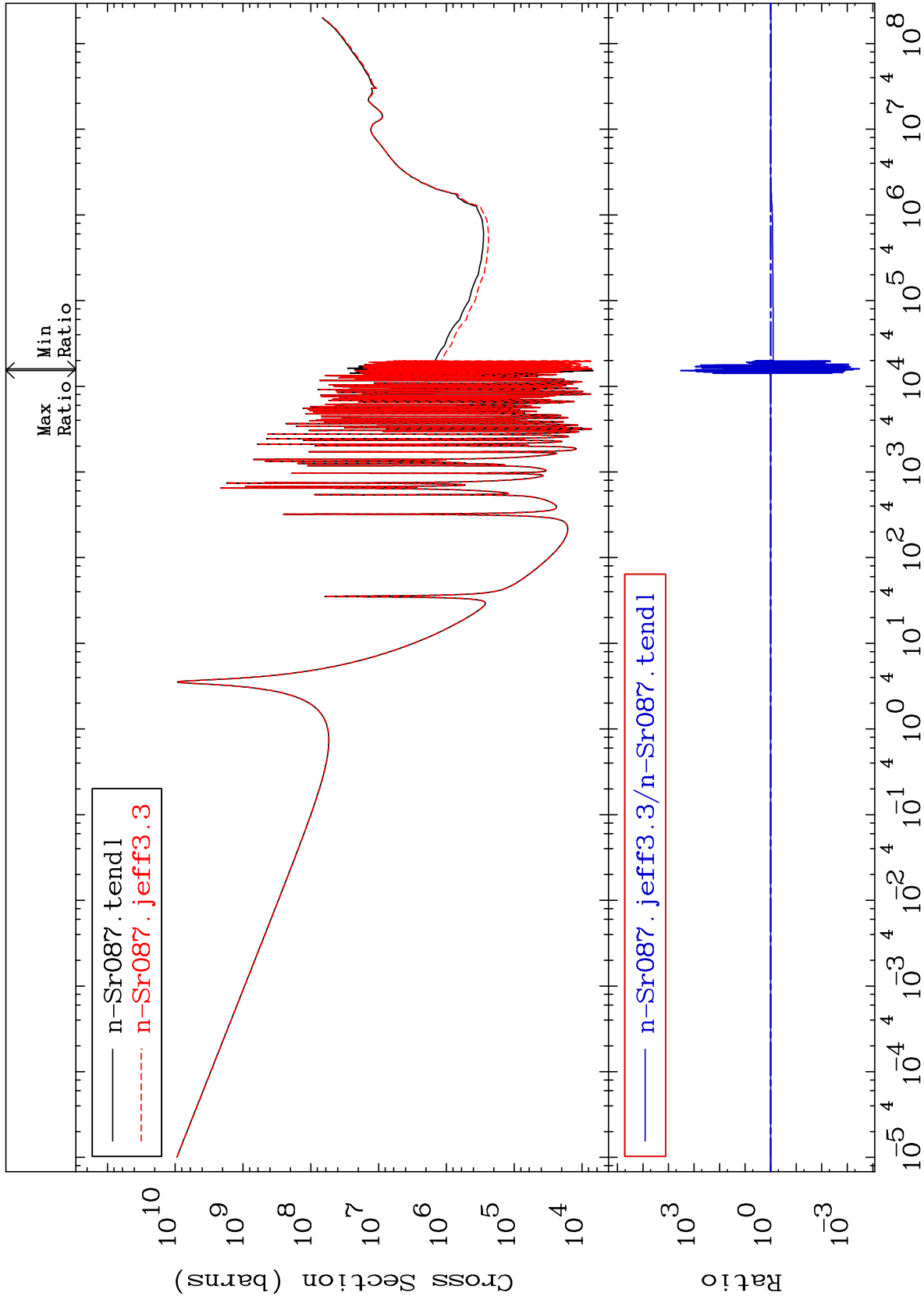
He-4 Production
Cross Section

38-Sr-87
-3.811 To 7229. %

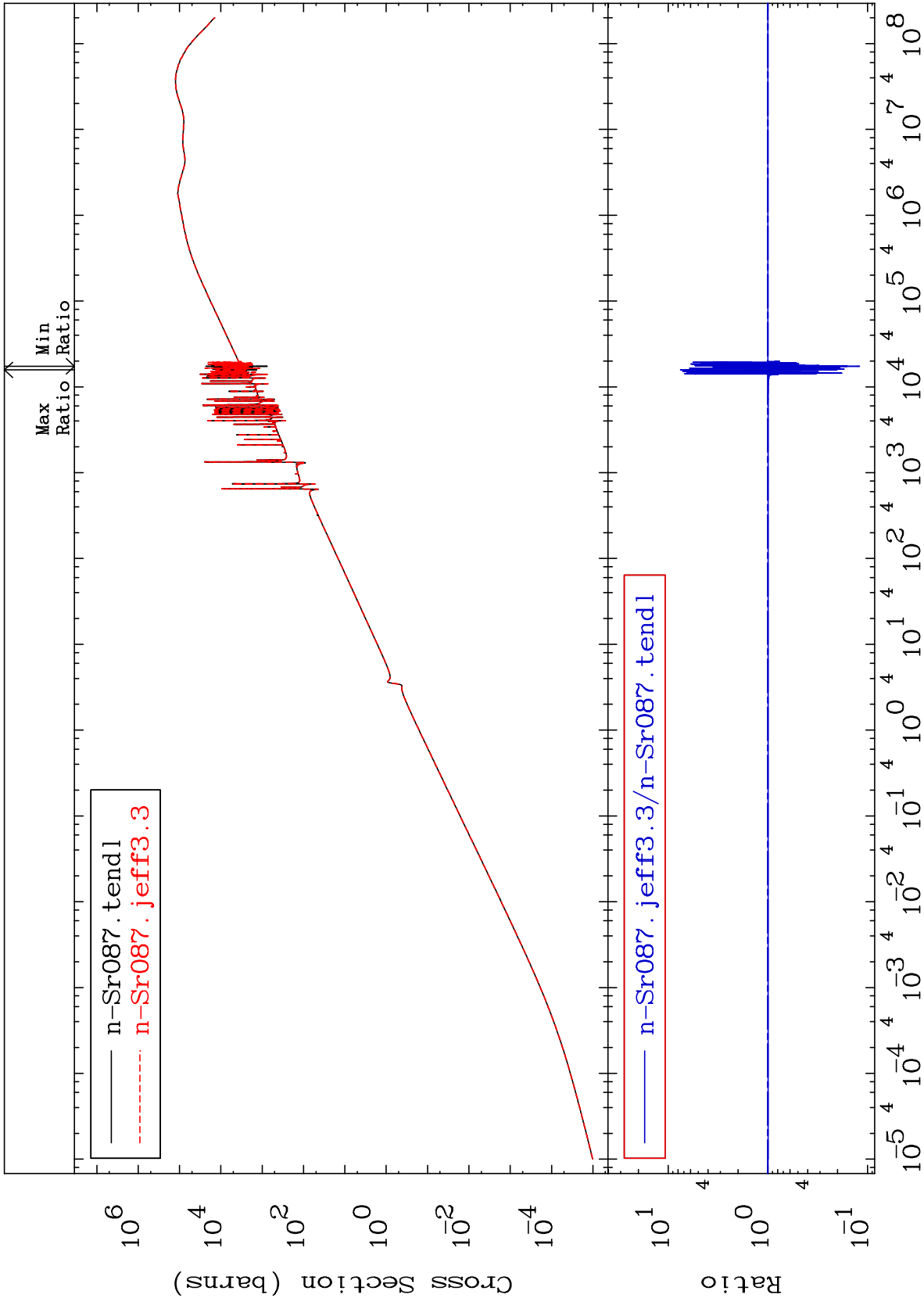


-99.97 To 9999. %

Cross Section

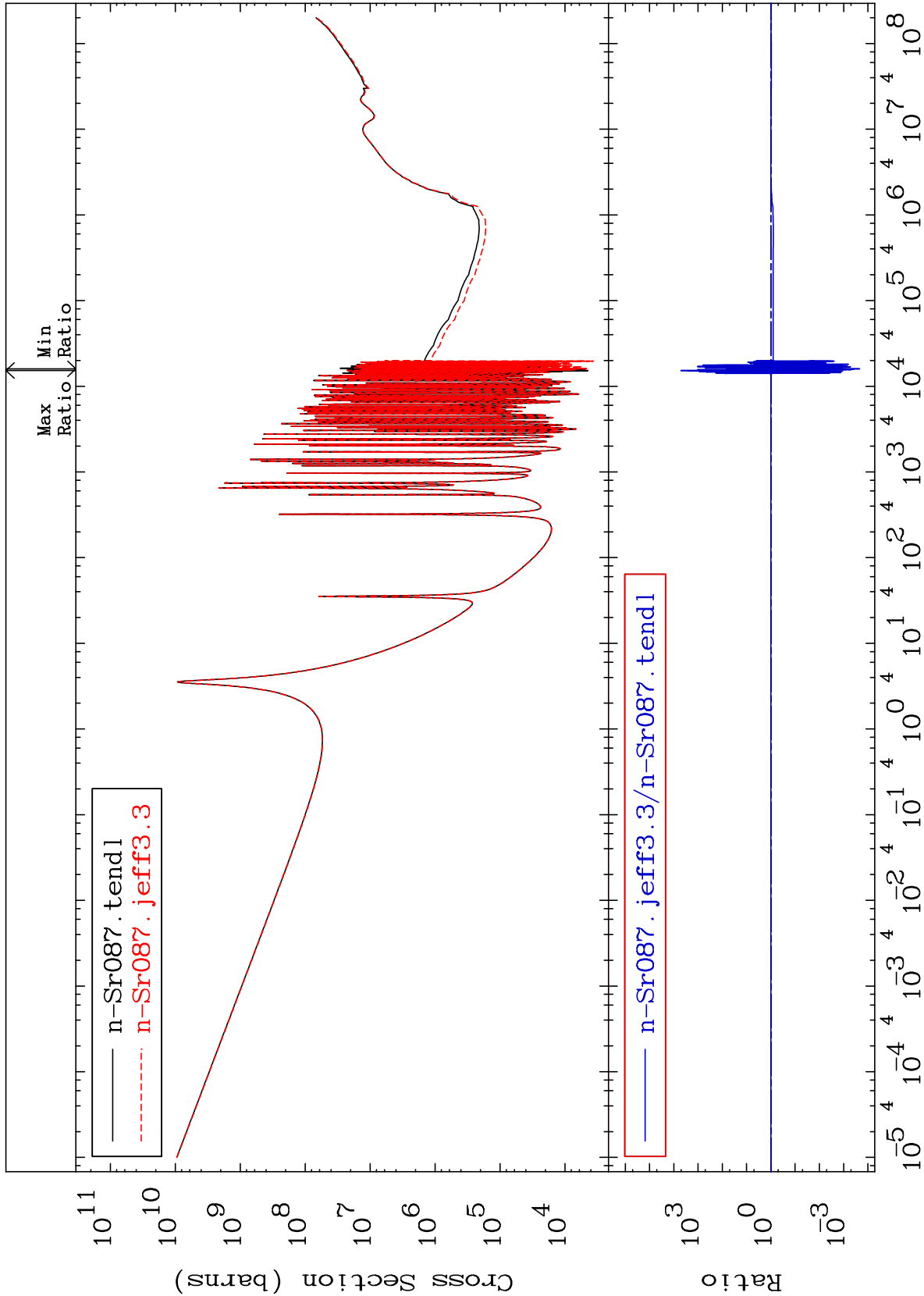


Incident Energy (eV)

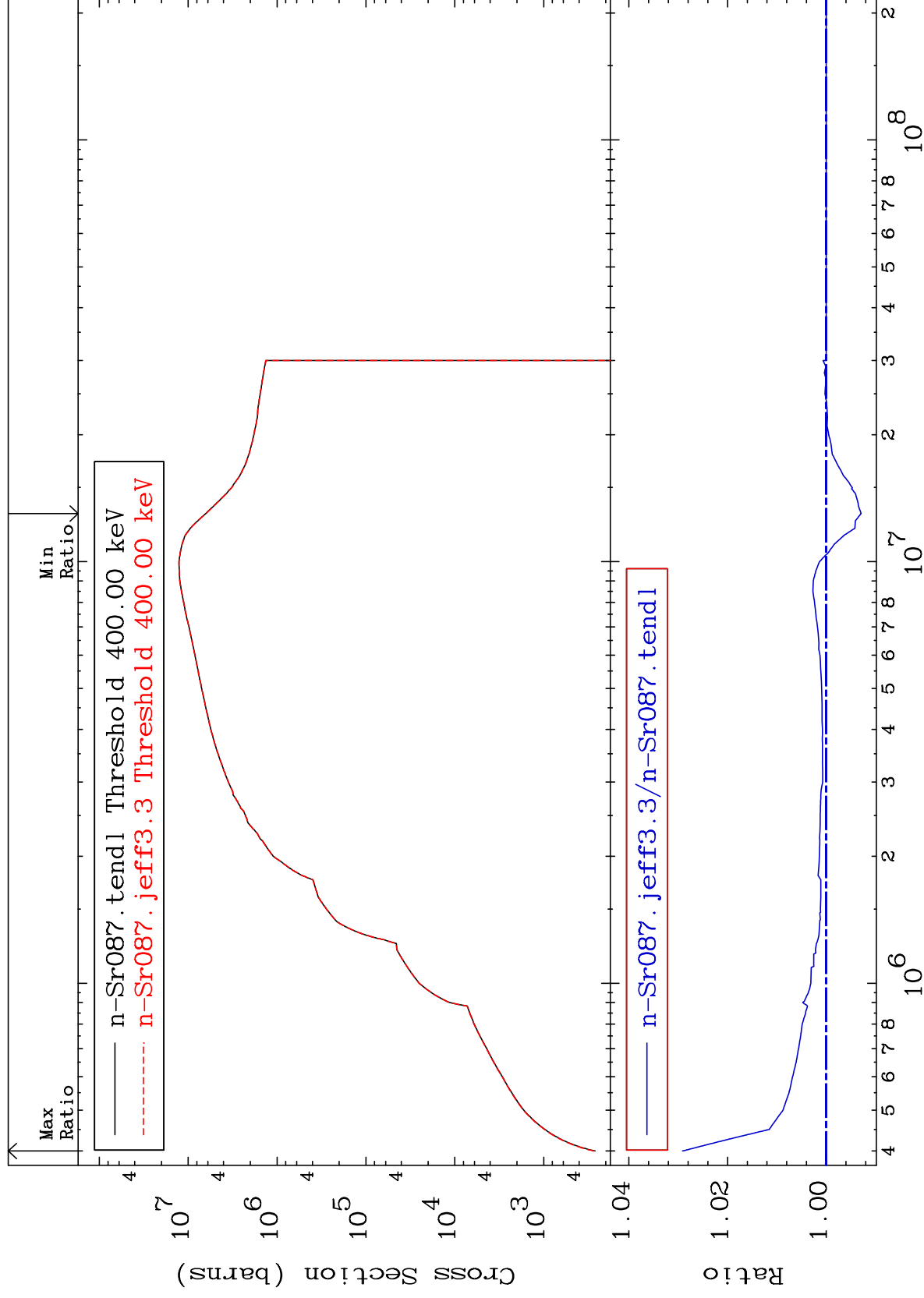


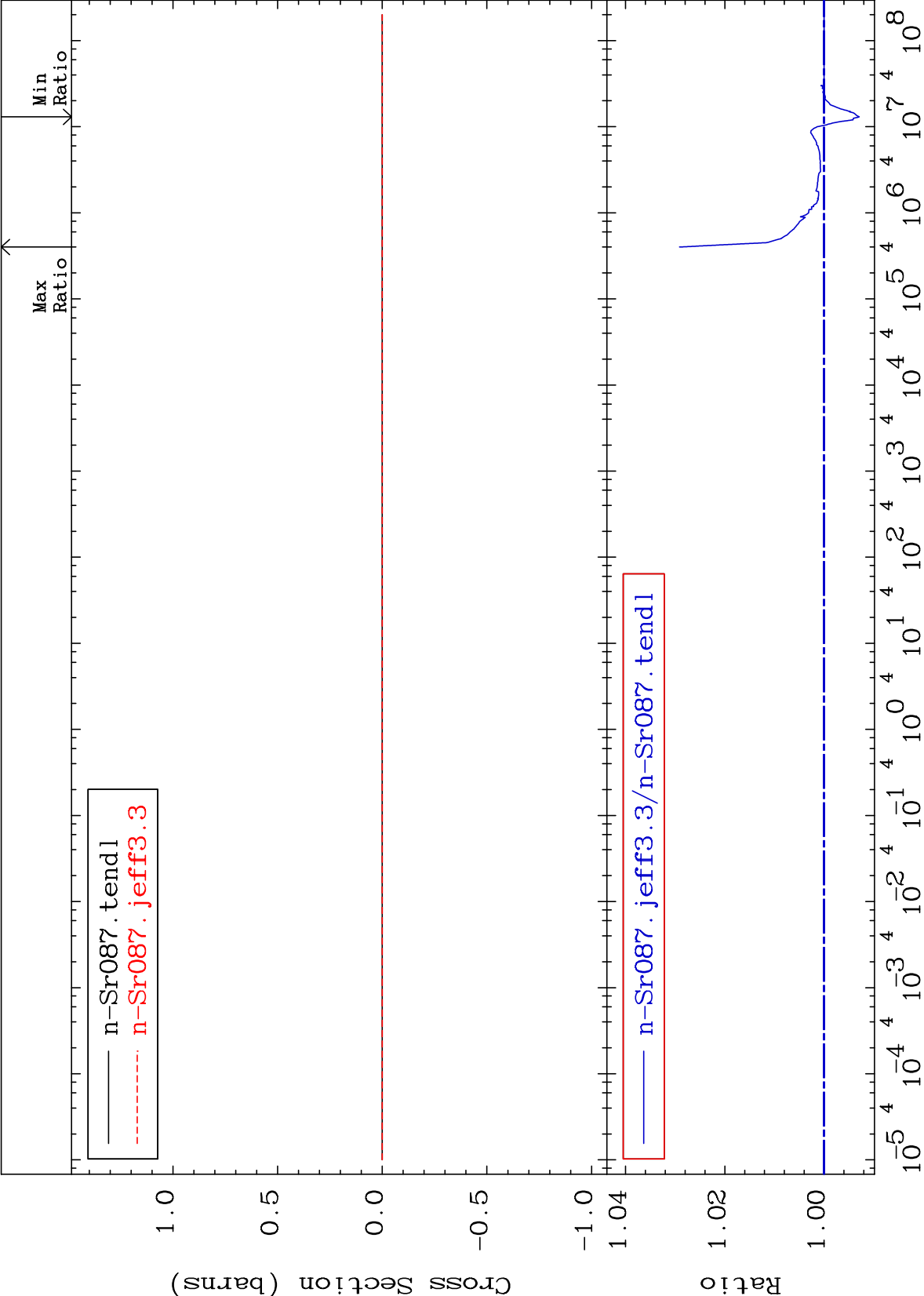
Cross Section

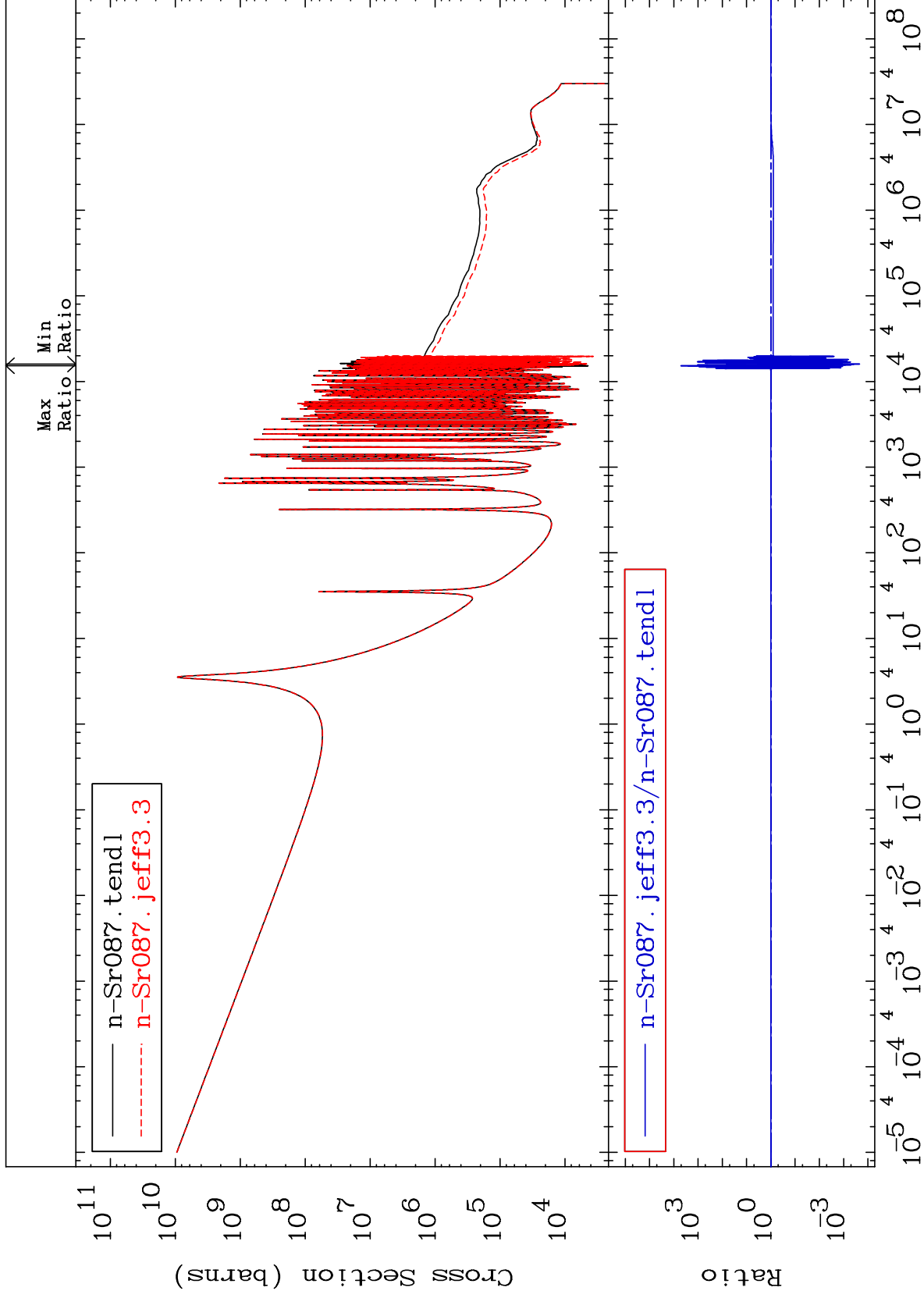
-99.98 To 9999. %



Incident Energy (eV)

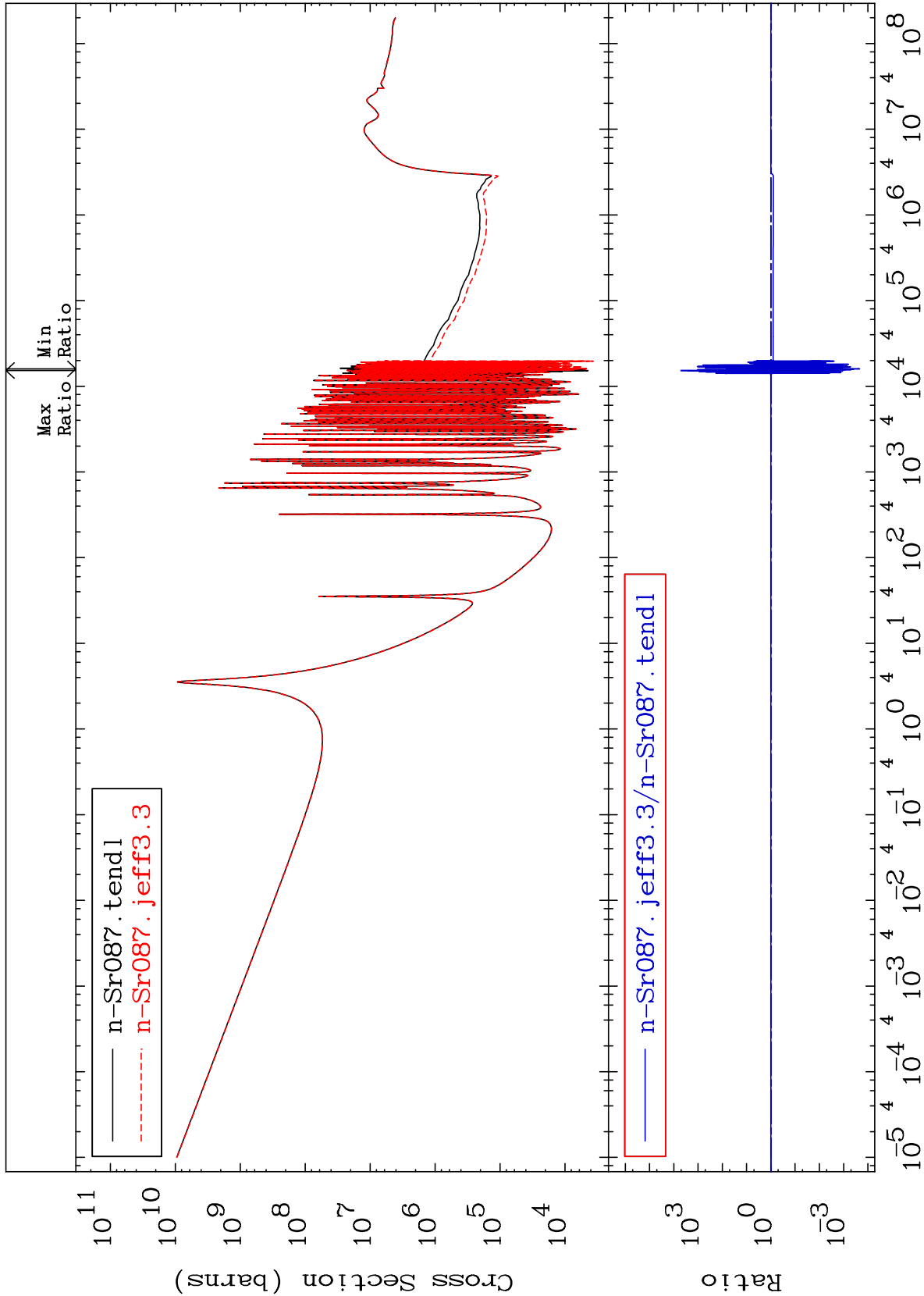






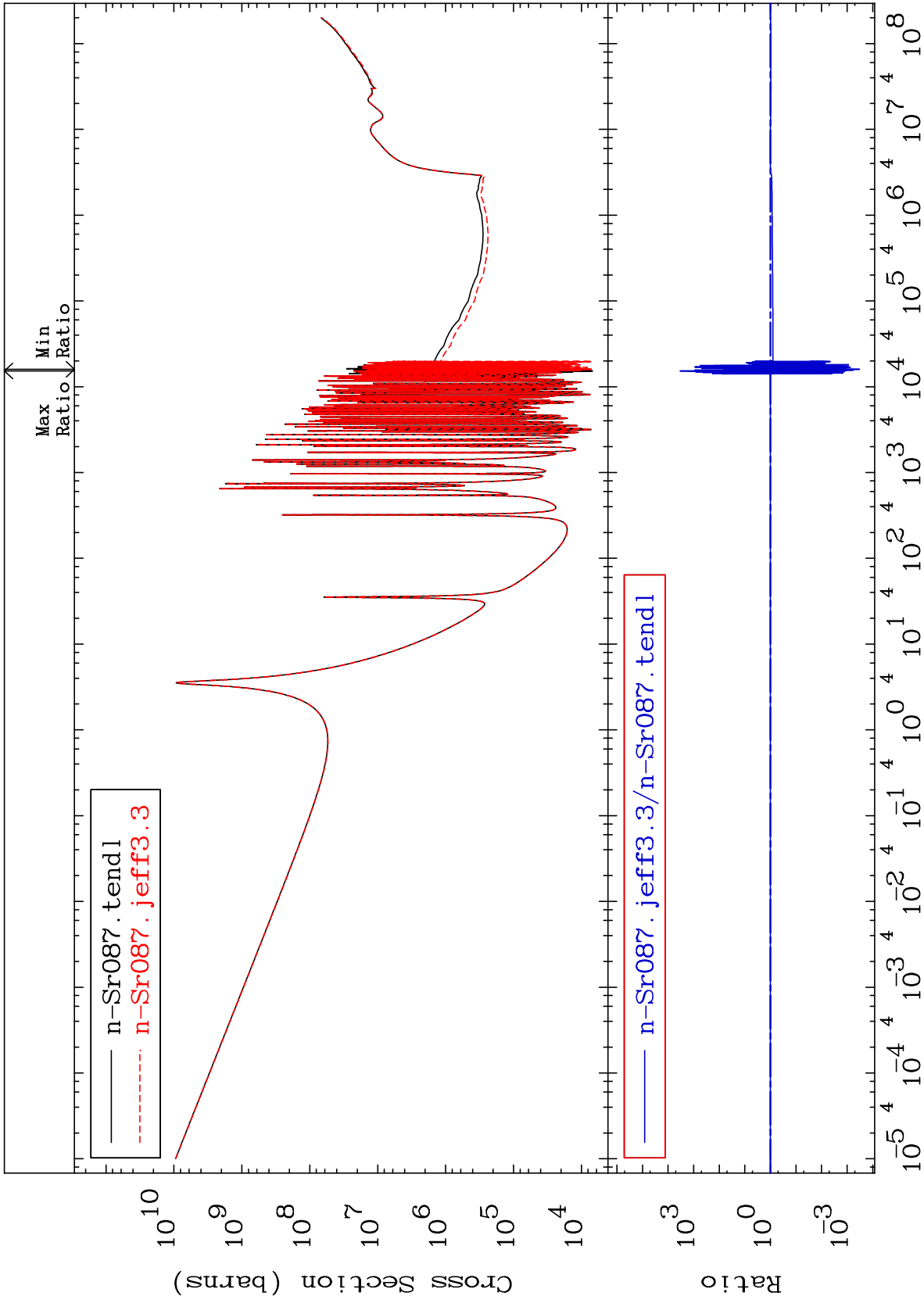
Cross Section

-99.98 To 9999. %



Cross Section

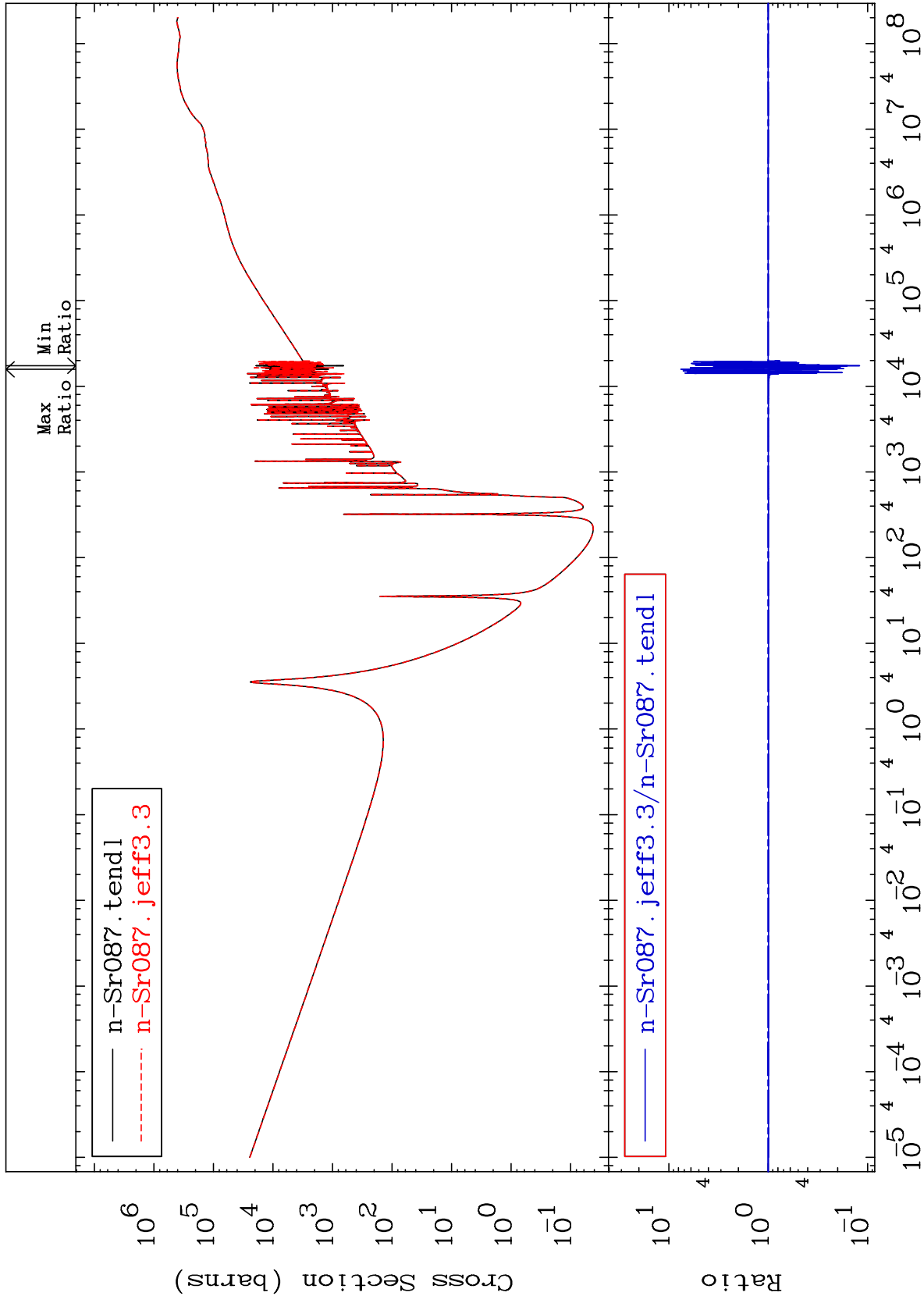
-99.97 To 9999. %

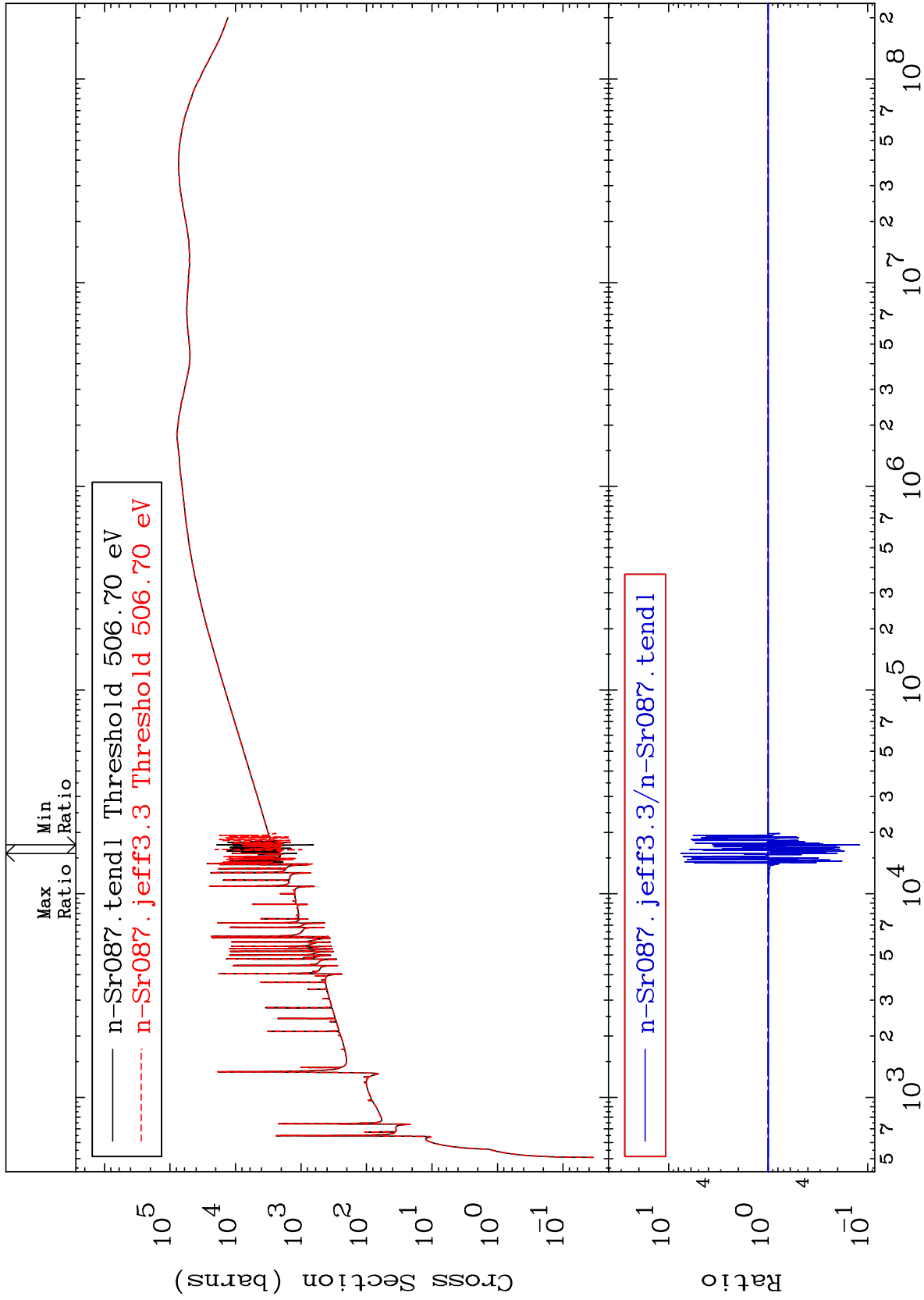


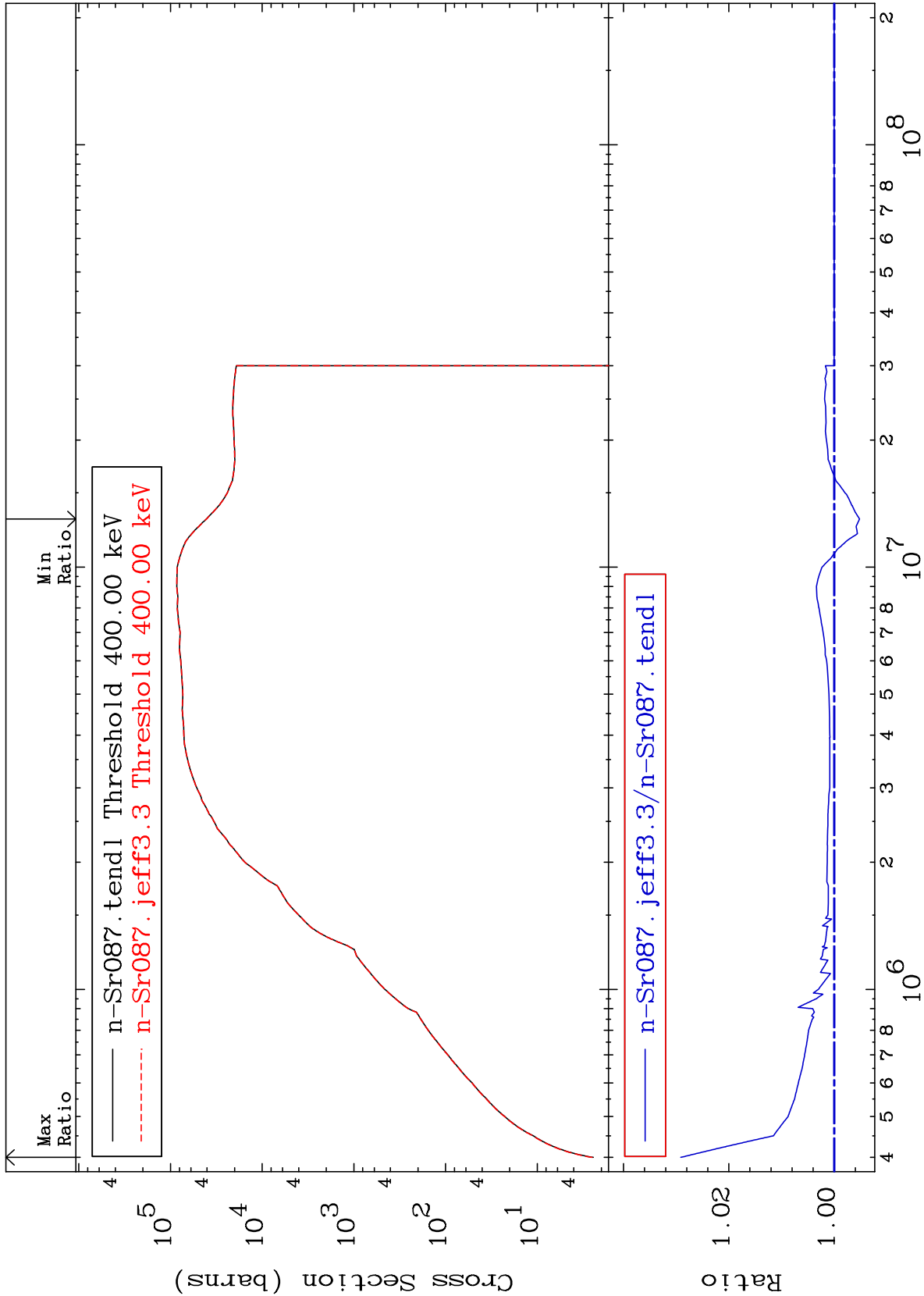
Incident Energy (eV)

Cross Section

-87.94 To 659.3 %

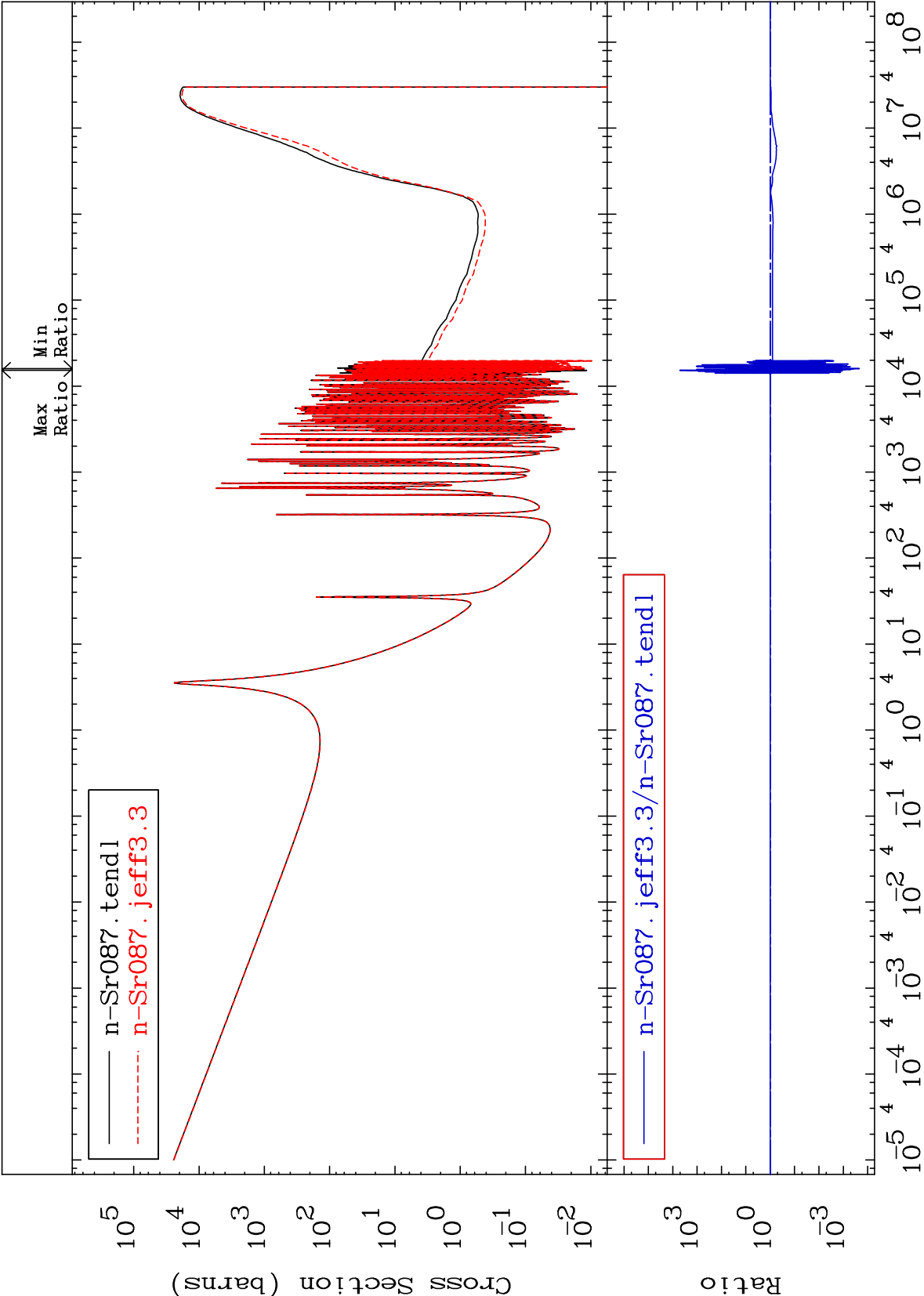


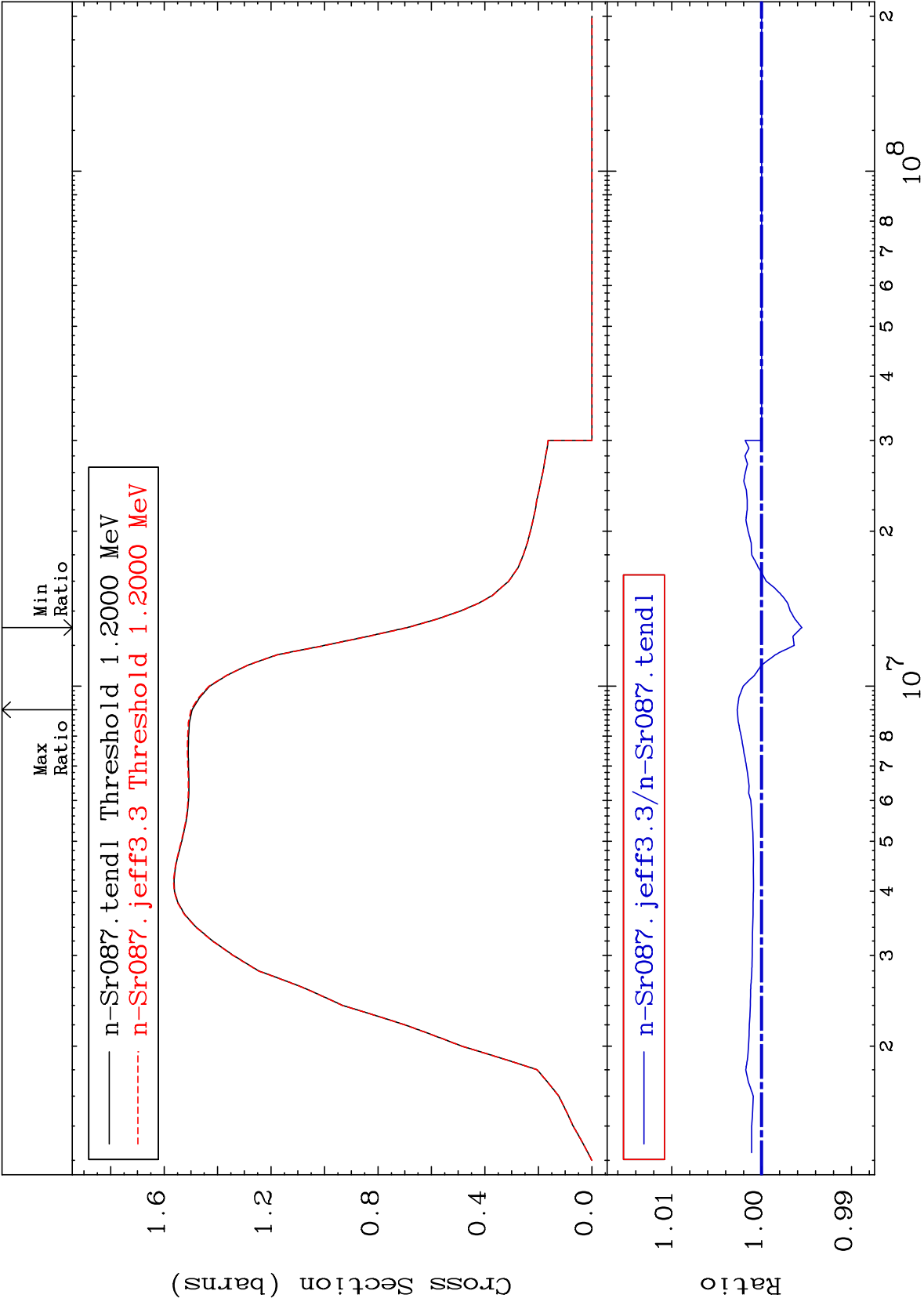




Cross Section

-99.98 To 9999. %





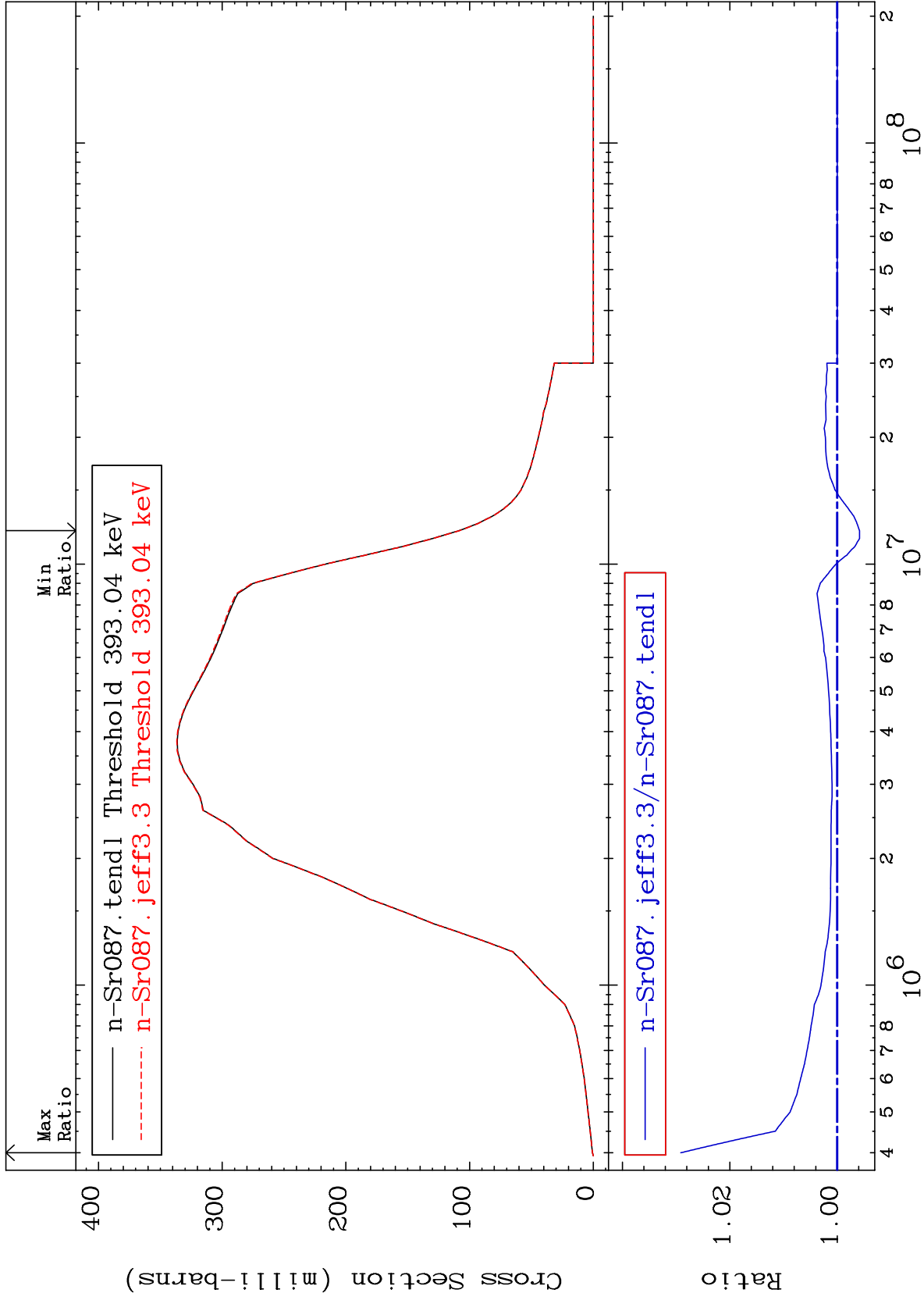
MAT 3834

Inelastic:38-Sr-87m1

38-Sr-87

Radionuclide Production Cross Section

-0.416 To 2.913 %



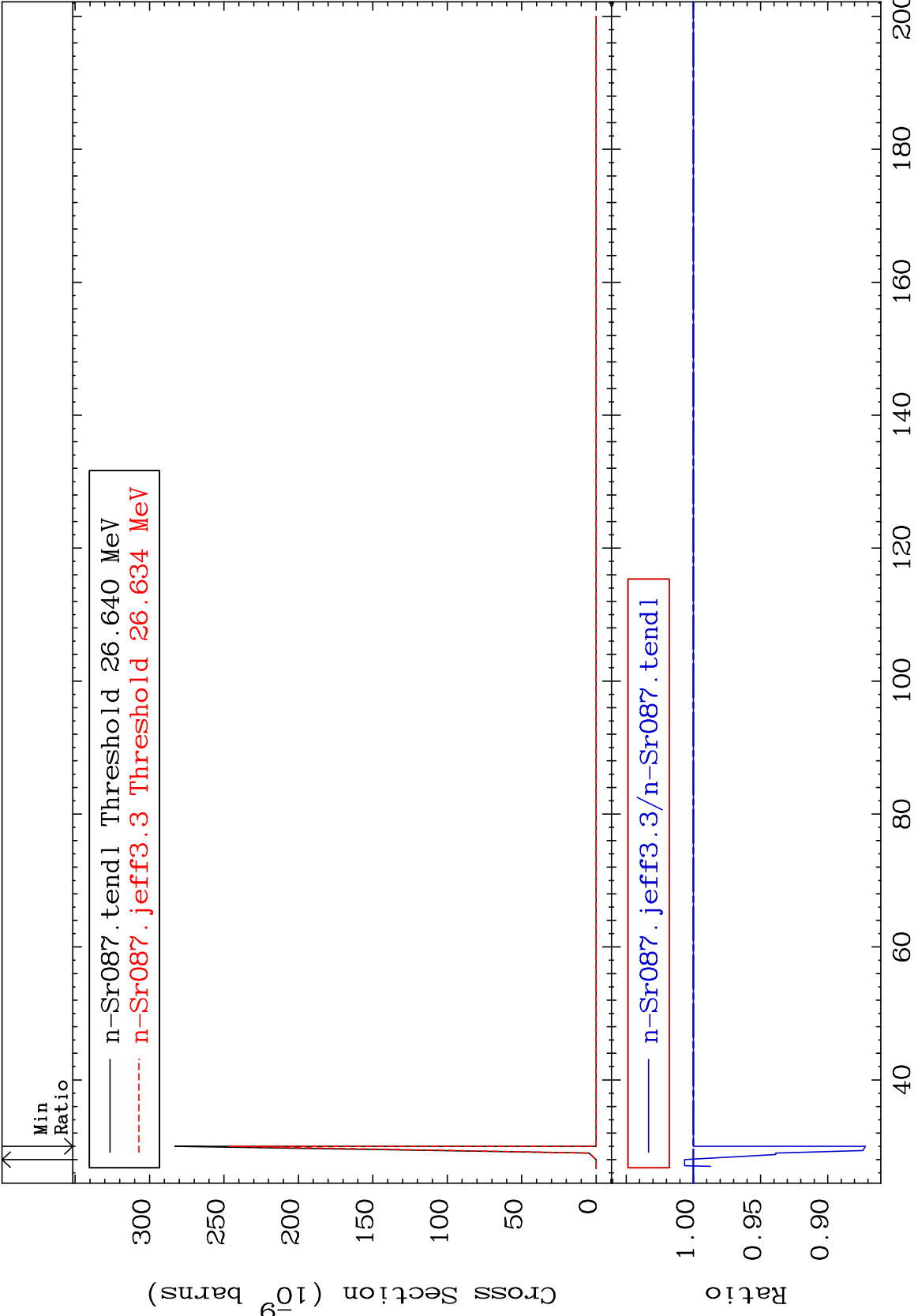
78

Incident Energy (eV)

38-Sr-87

Radionuclide Production Cross Section

-12.81 To 0.649 %



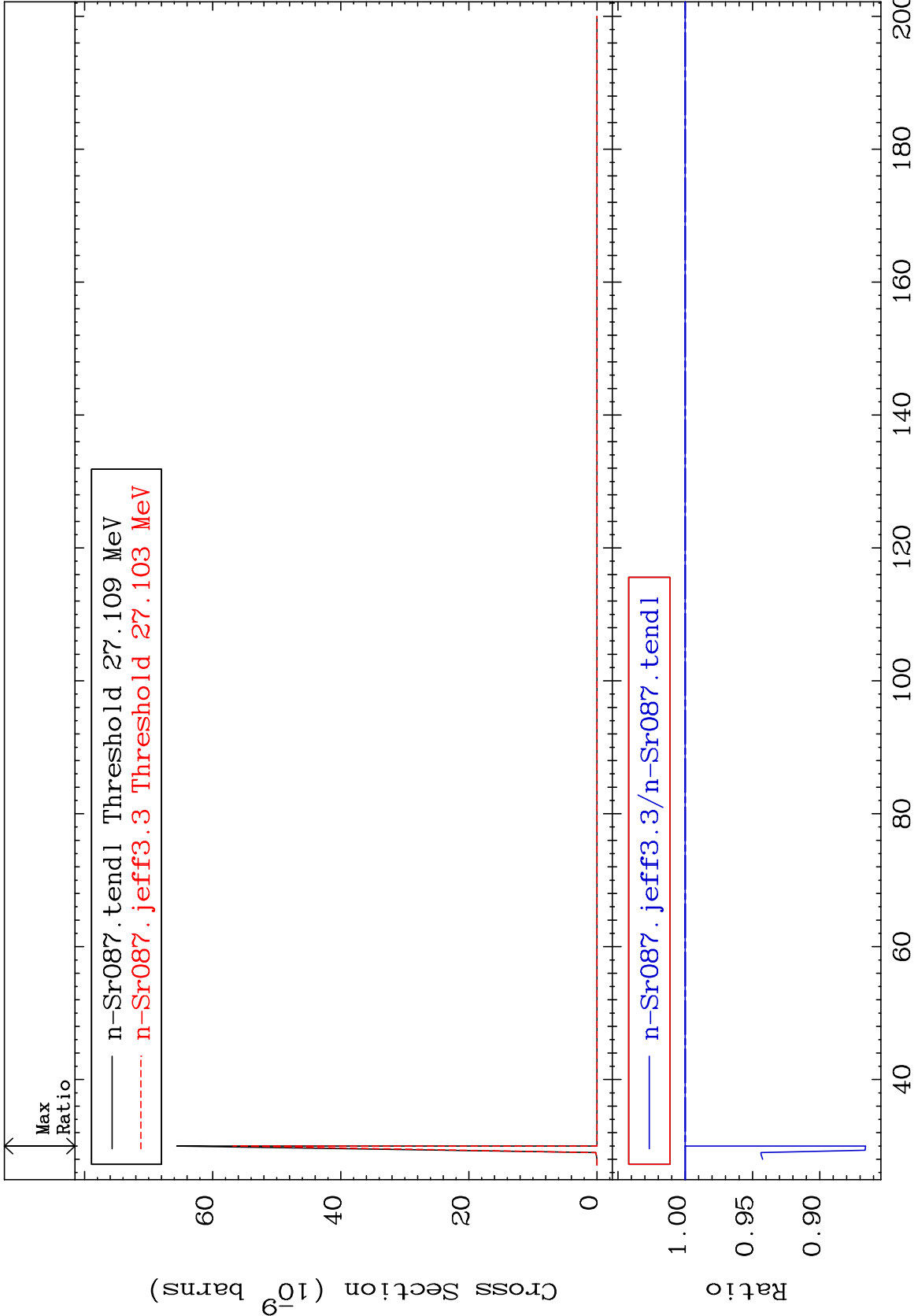
MAT 3834

(n,2n) d:37-Rb-84m2

38-Sr-87

Radionuclide Production Cross Section

-13.40 To 0.000 %



80

Incident Energy (MeV)

38-Sr-87

MAT 3834

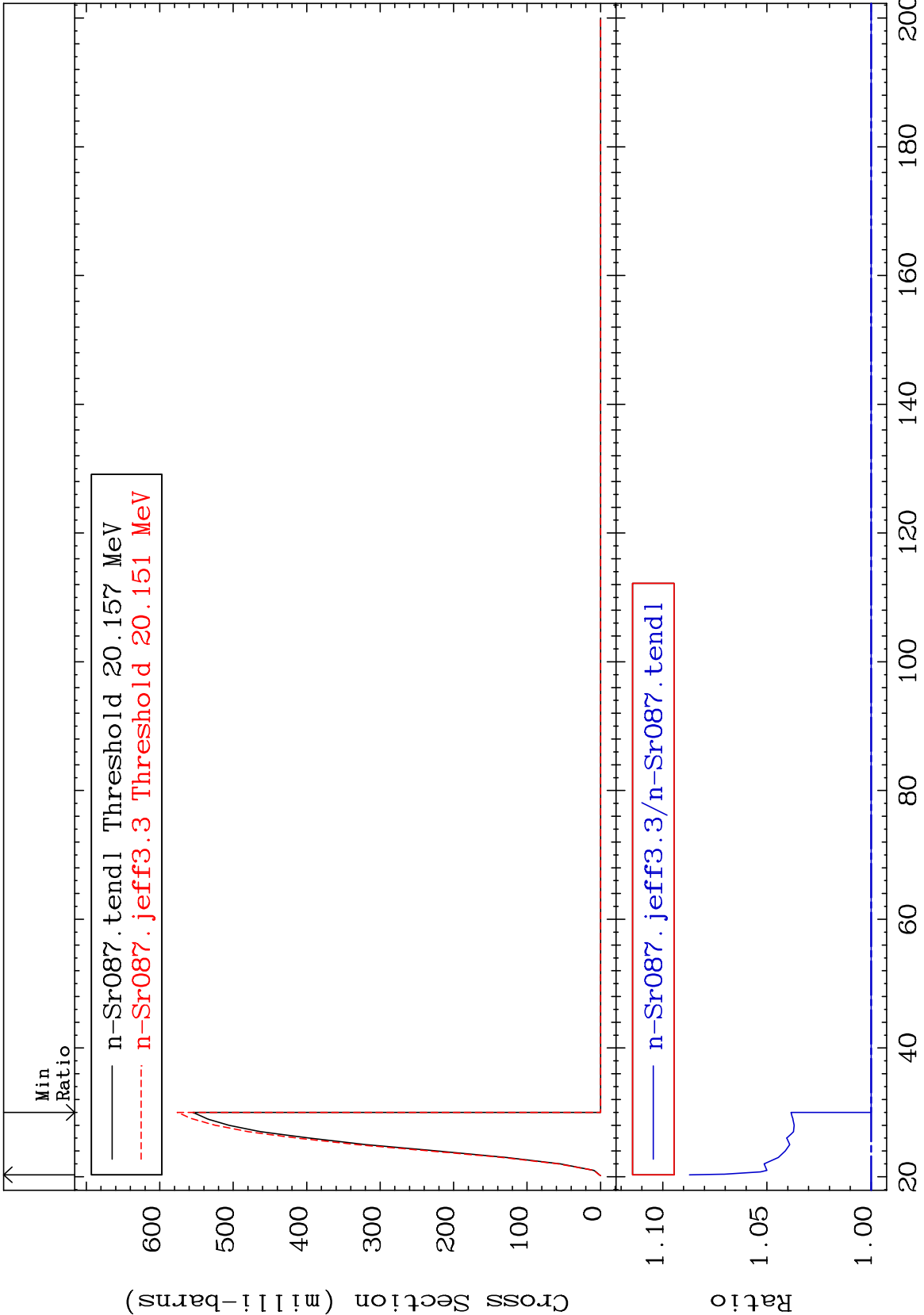
(n,3n):38-Sr-85g

38-Sr-87

Radionuclide Production Cross Section

0.000

To 8.716 %



81

Incident Energy (MeV)

38-Sr-87

MAT 3834

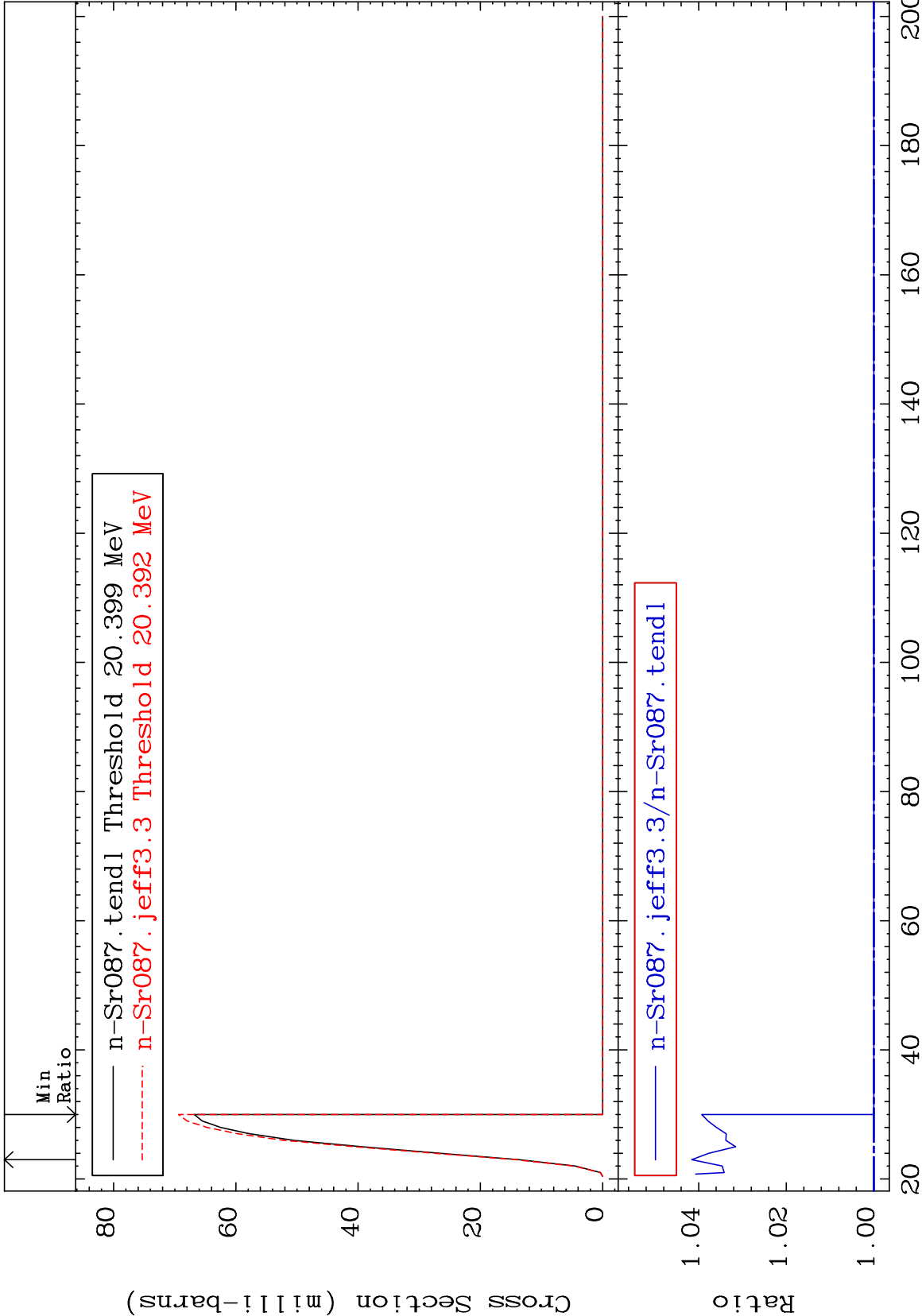
(n,3n):38-Sr-85m2

38-Sr-87

Radionuclide Production Cross Section

0.000

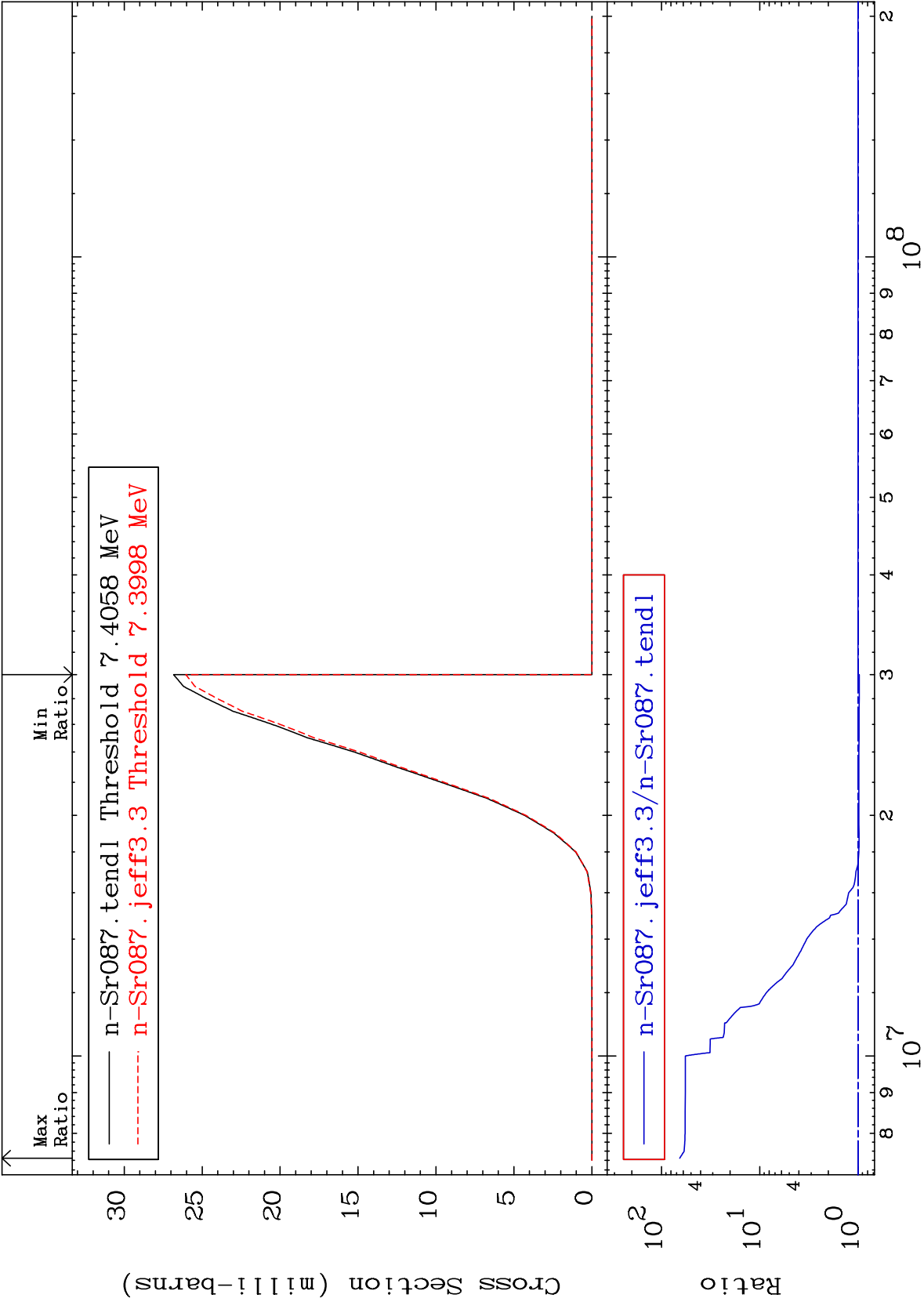
To 4.158 %



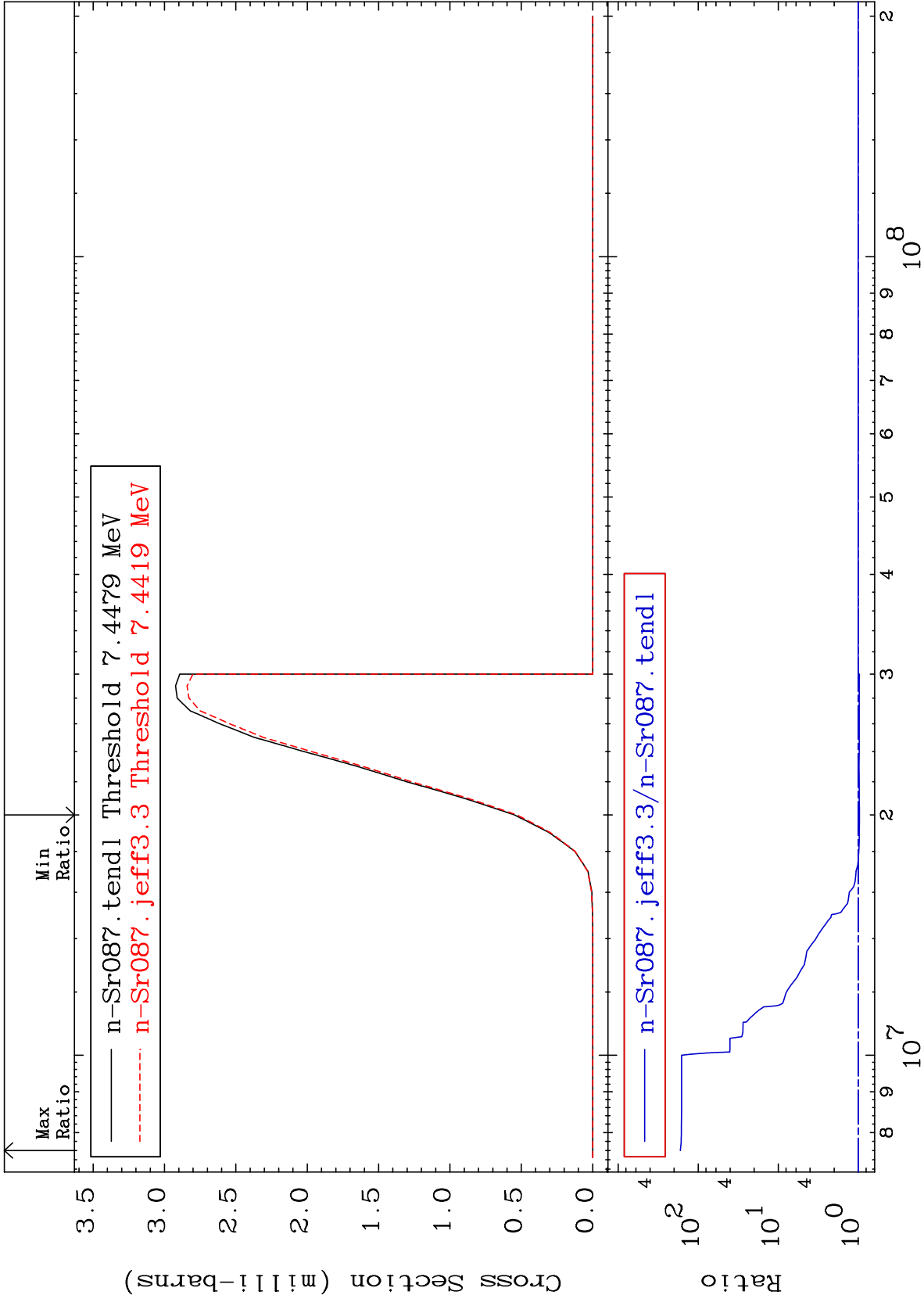
82

Incident Energy (MeV)

38-Sr-87



Radionuclide Production Cross Section -3.257 To 9999. %



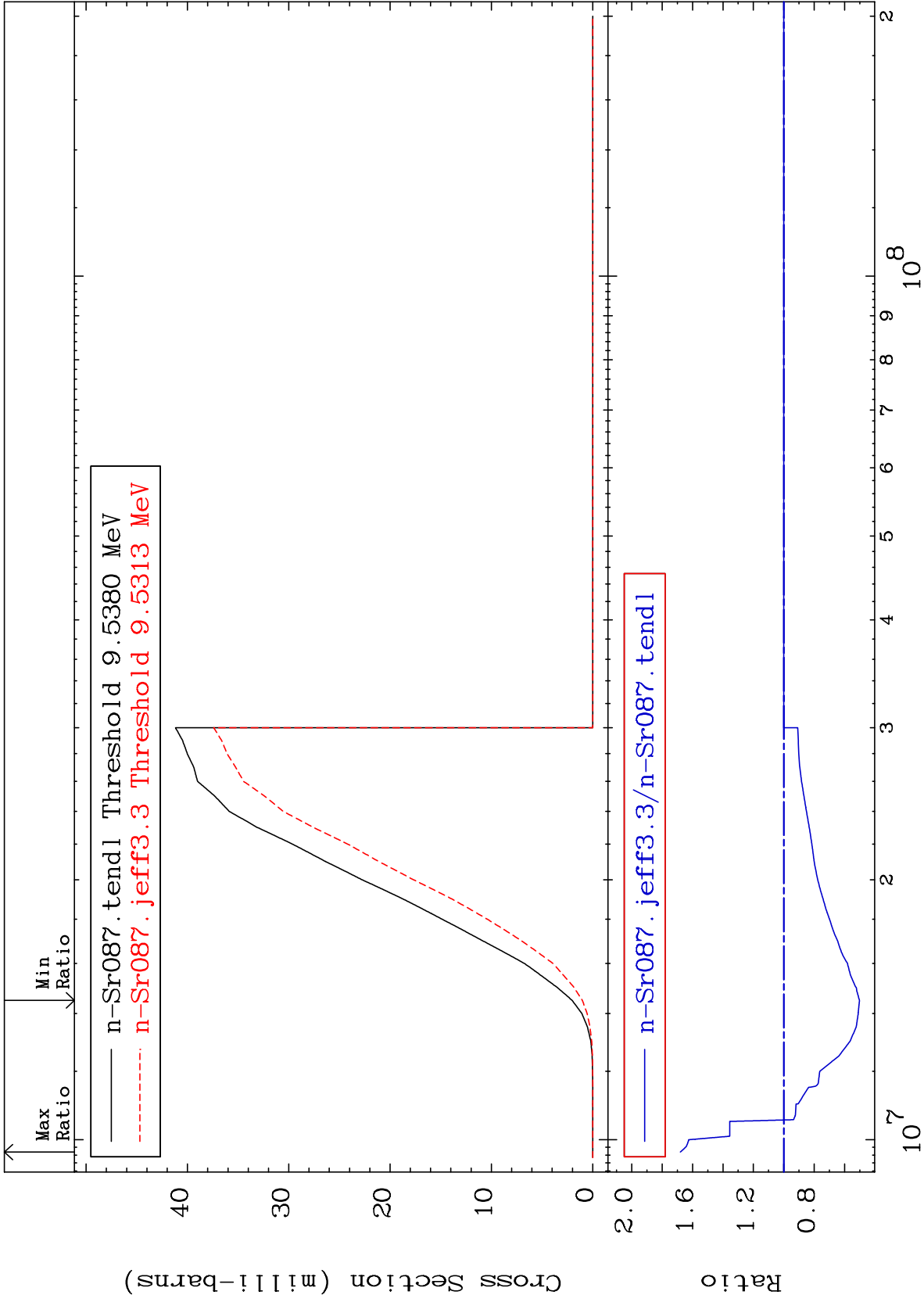
MAT 3834

(n,n') p:37-Rb-86g

38-Sr-87

Radionuclide Production Cross Section

-49.68 To 67.99 %



Incident Energy (eV)

38-Sr-87

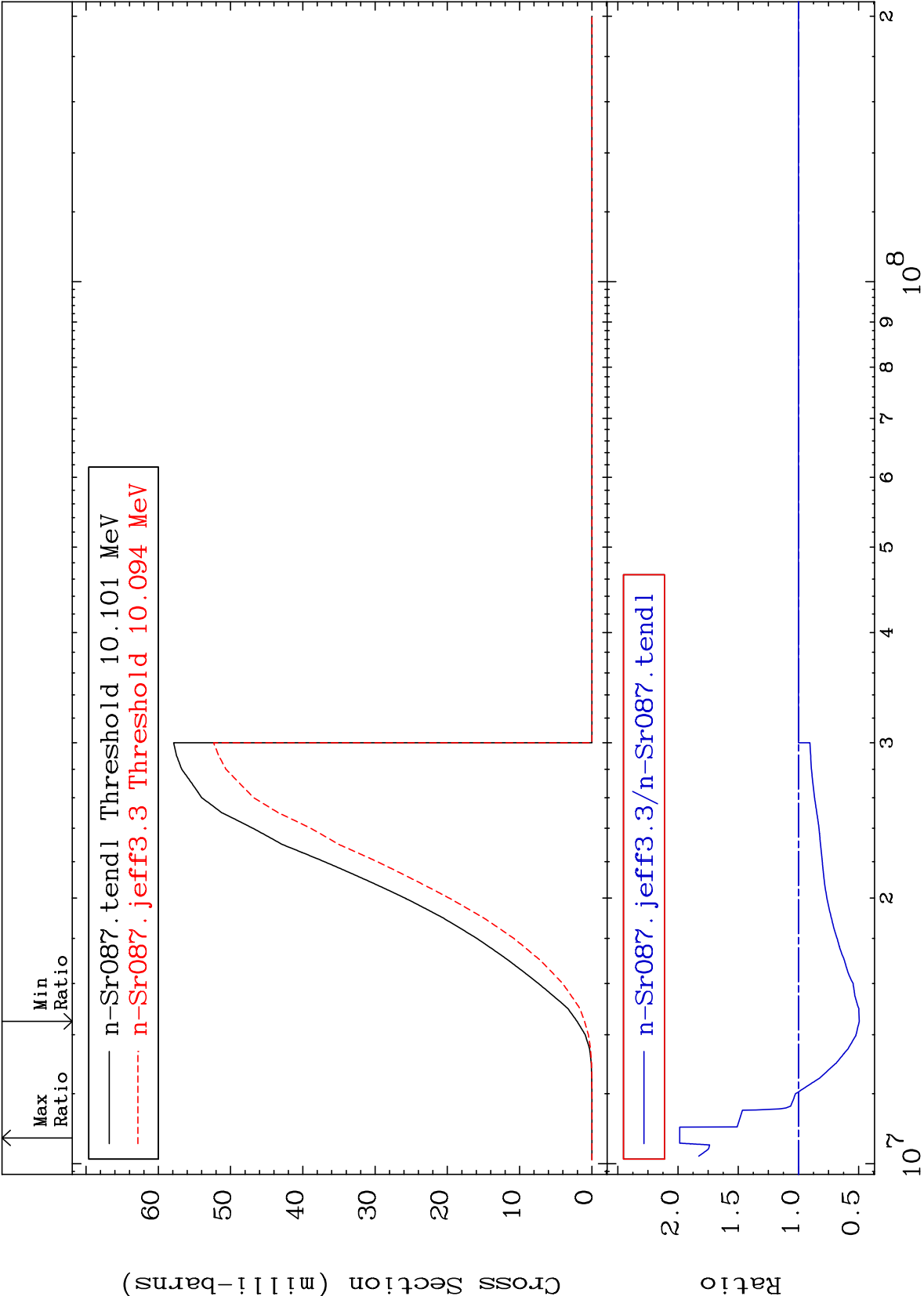
MAT 3834

(n,n') p:37-Rb-86m2

38-Sr-87

Radionuclide Production Cross Section

-50.48 To 98.57 %



Incident Energy (eV)

38-Sr-87

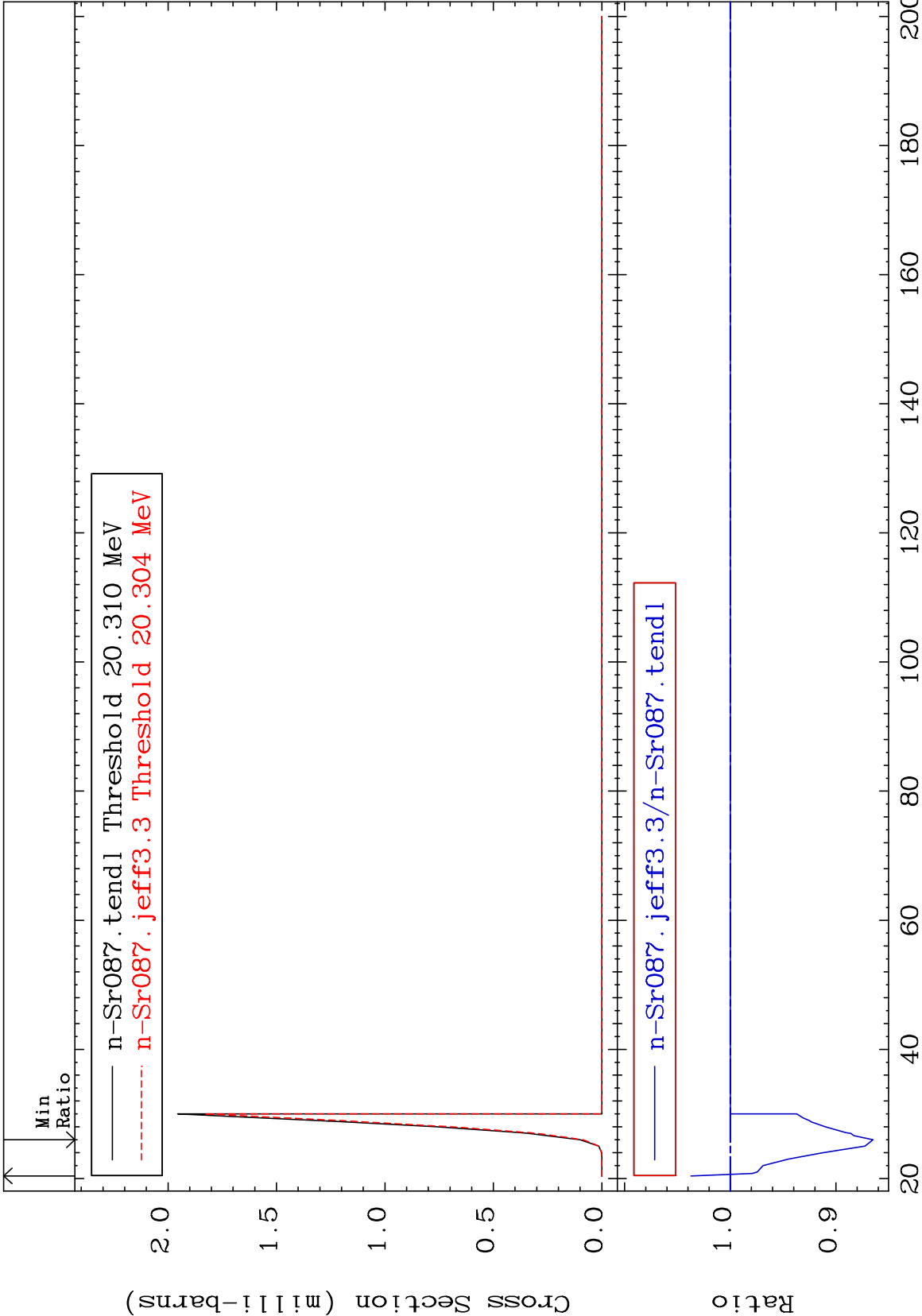
MAT 3834

(n,n') t:37-Rb-84g

38-Sr-87

Radionuclide Production Cross Section

-13.51 To 3.719 %



87

Incident Energy (MeV)

38-Sr-87

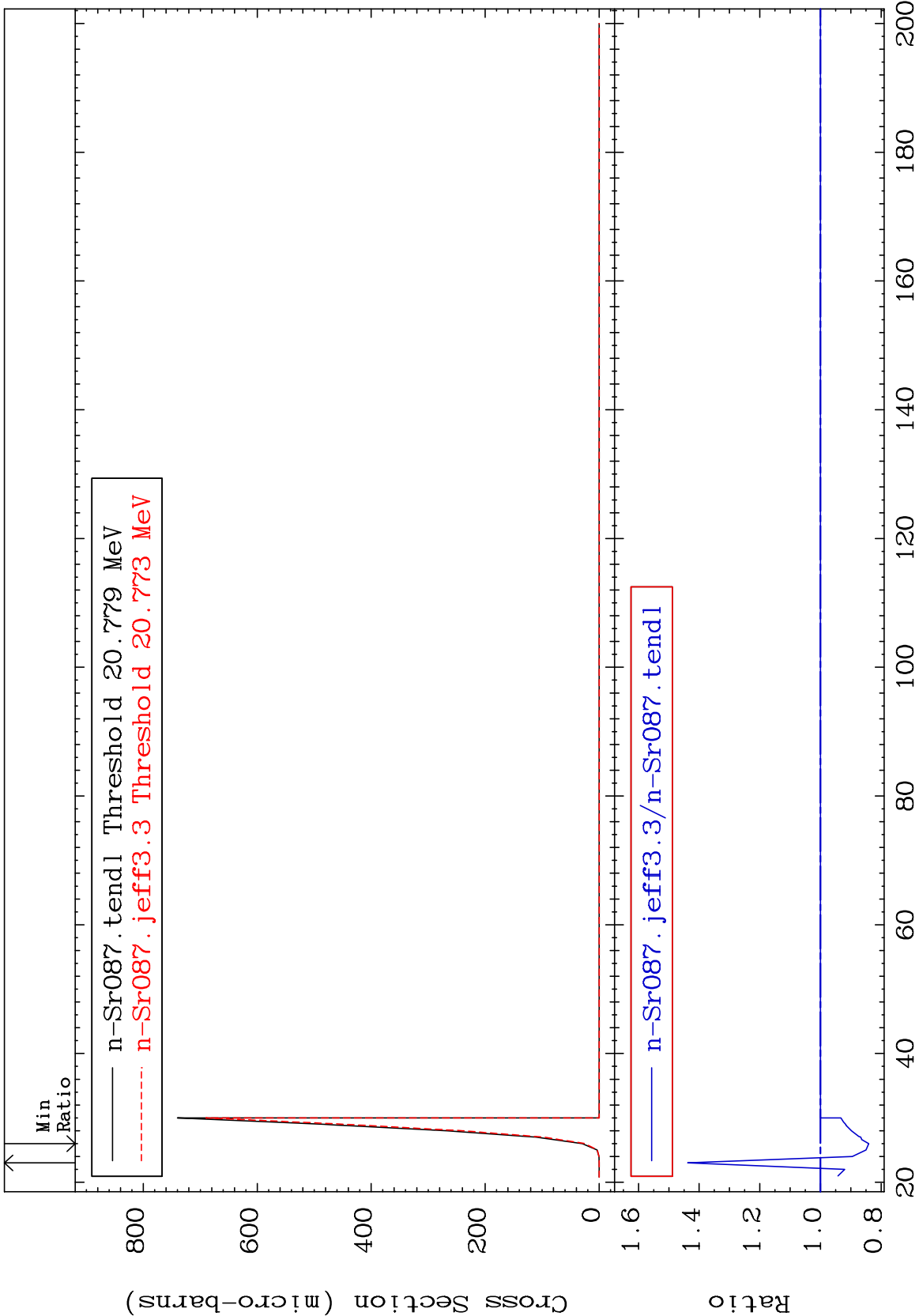
MAT 3834

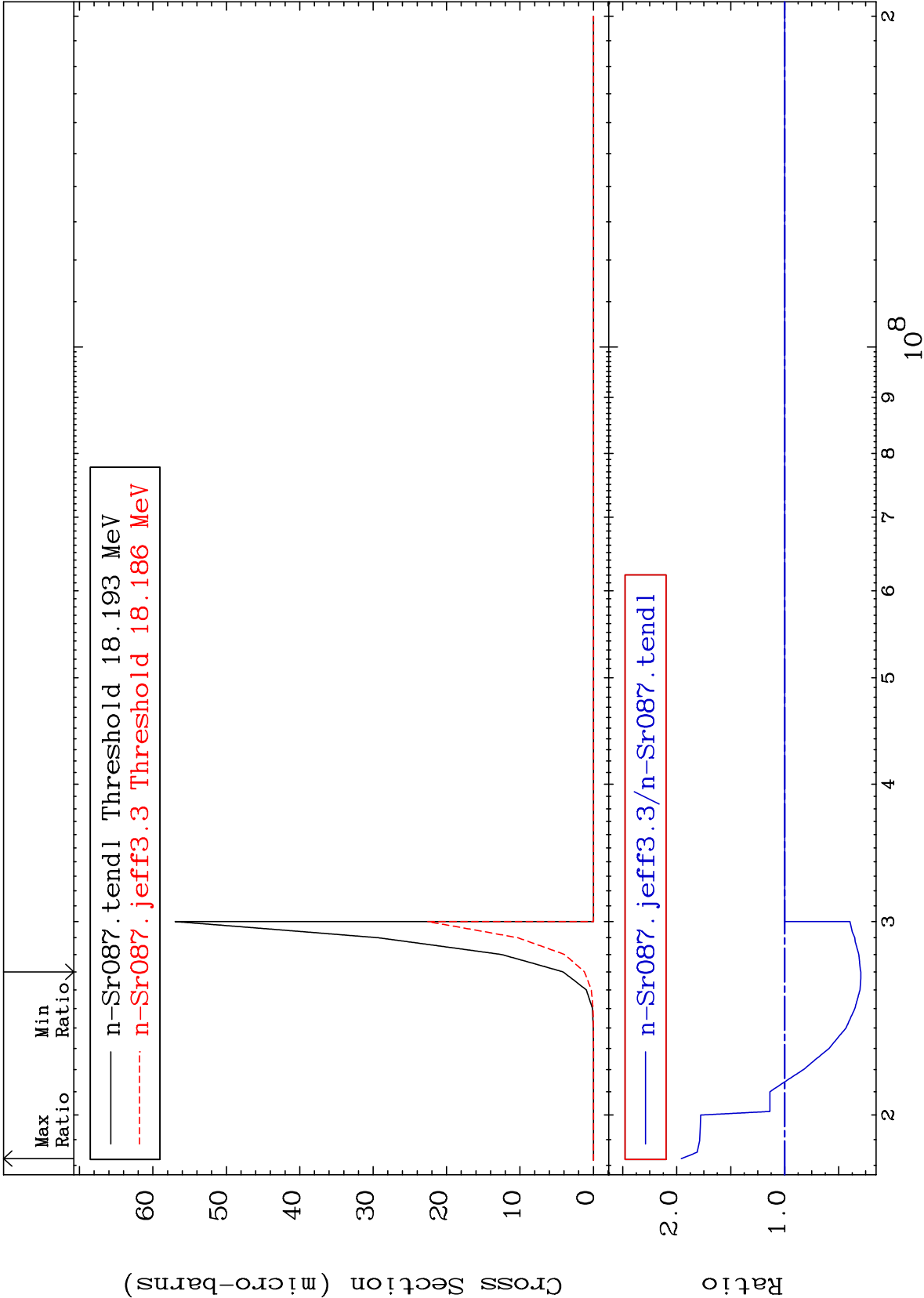
(n,n') t:37-Rb-84m2

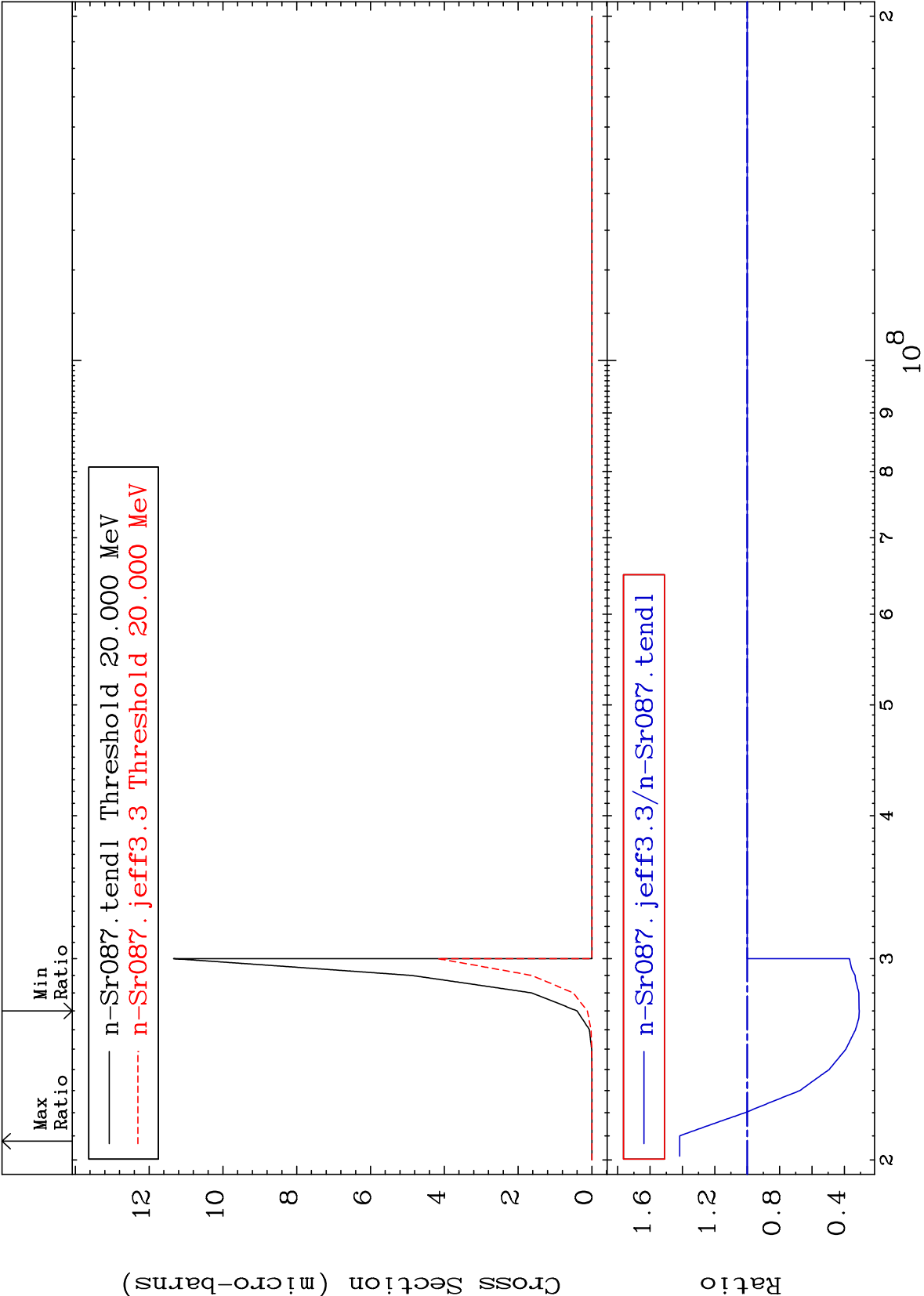
38-Sr-87

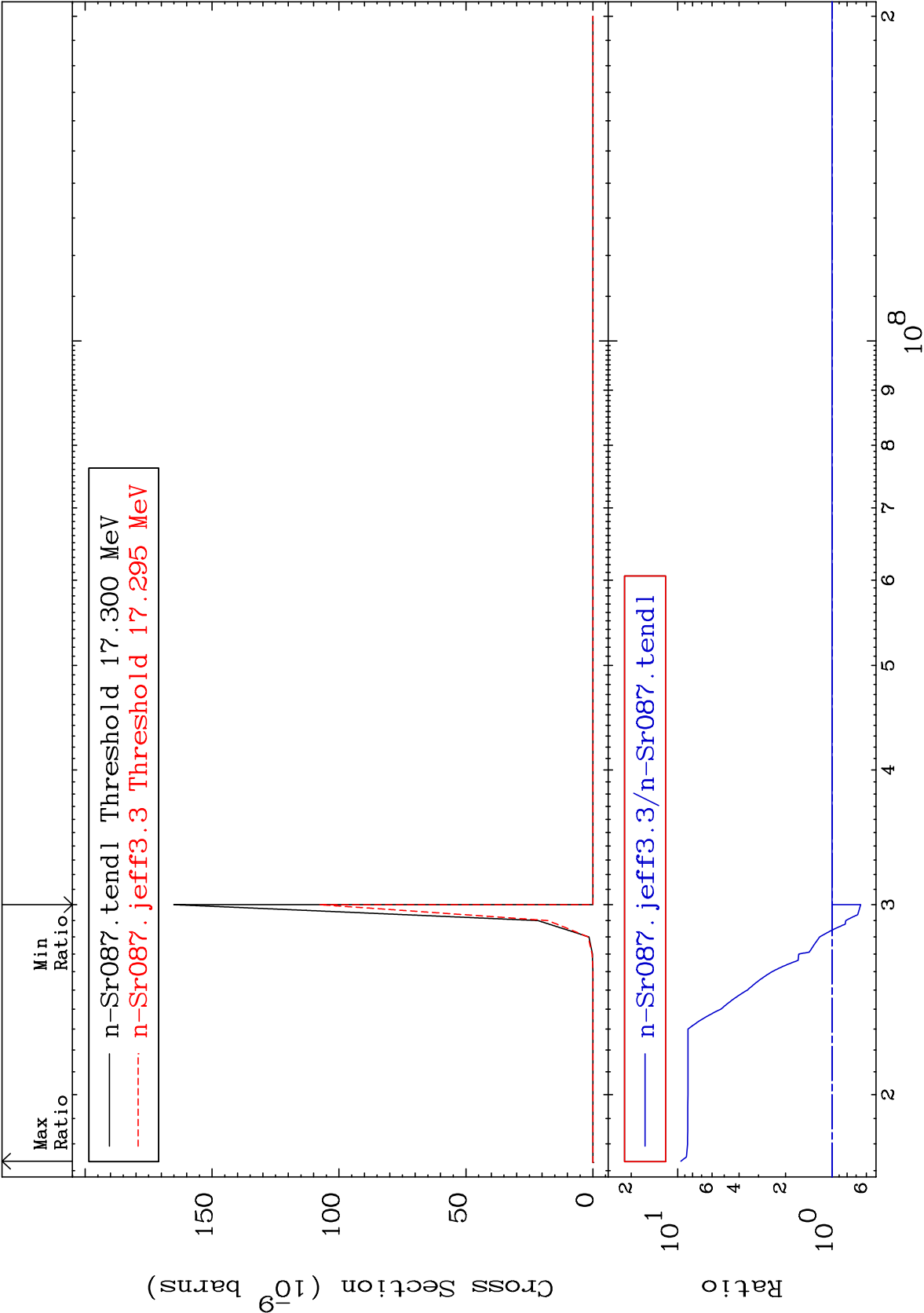
Radionuclide Production Cross Section

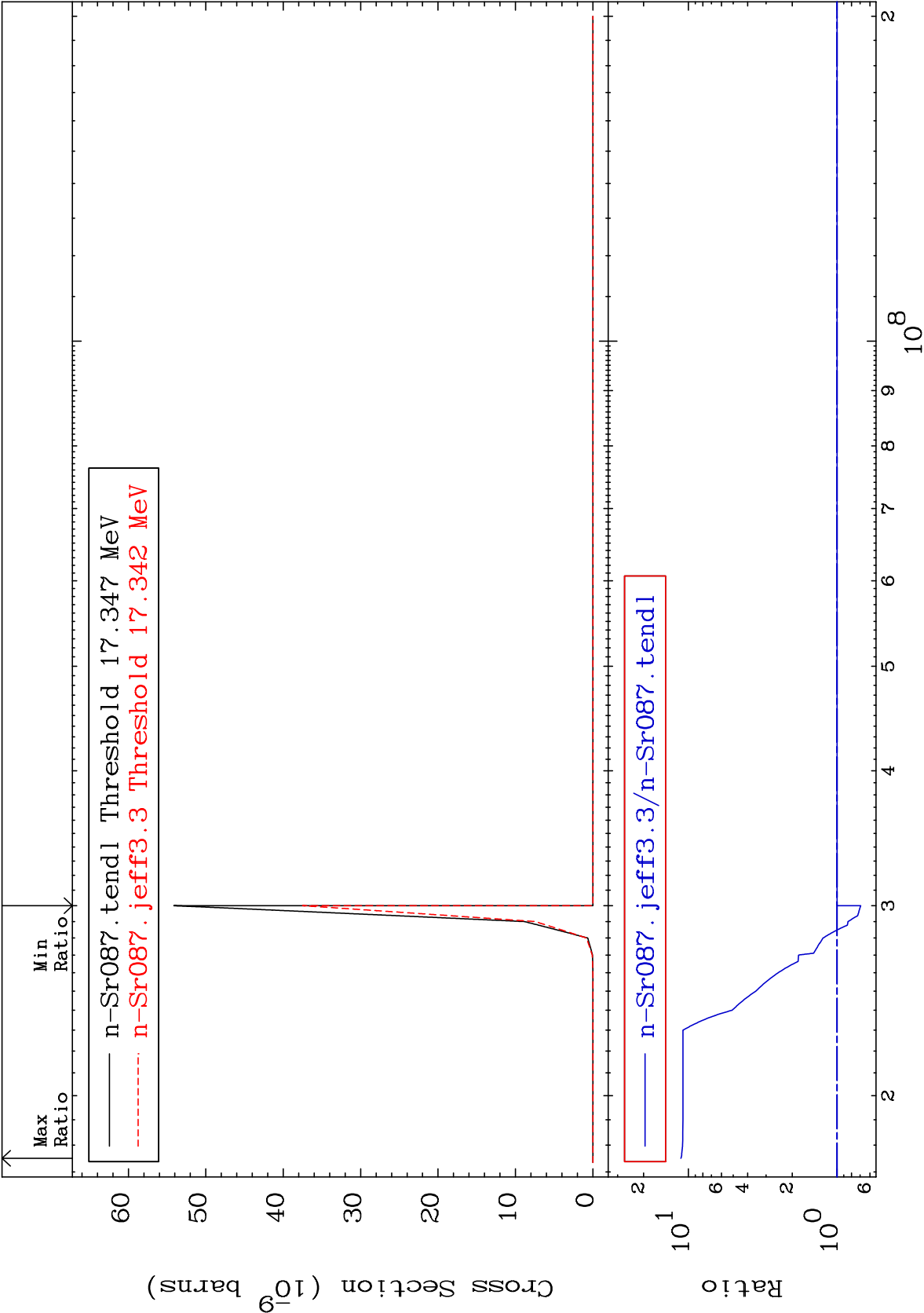
-15.93 To 43.77 %

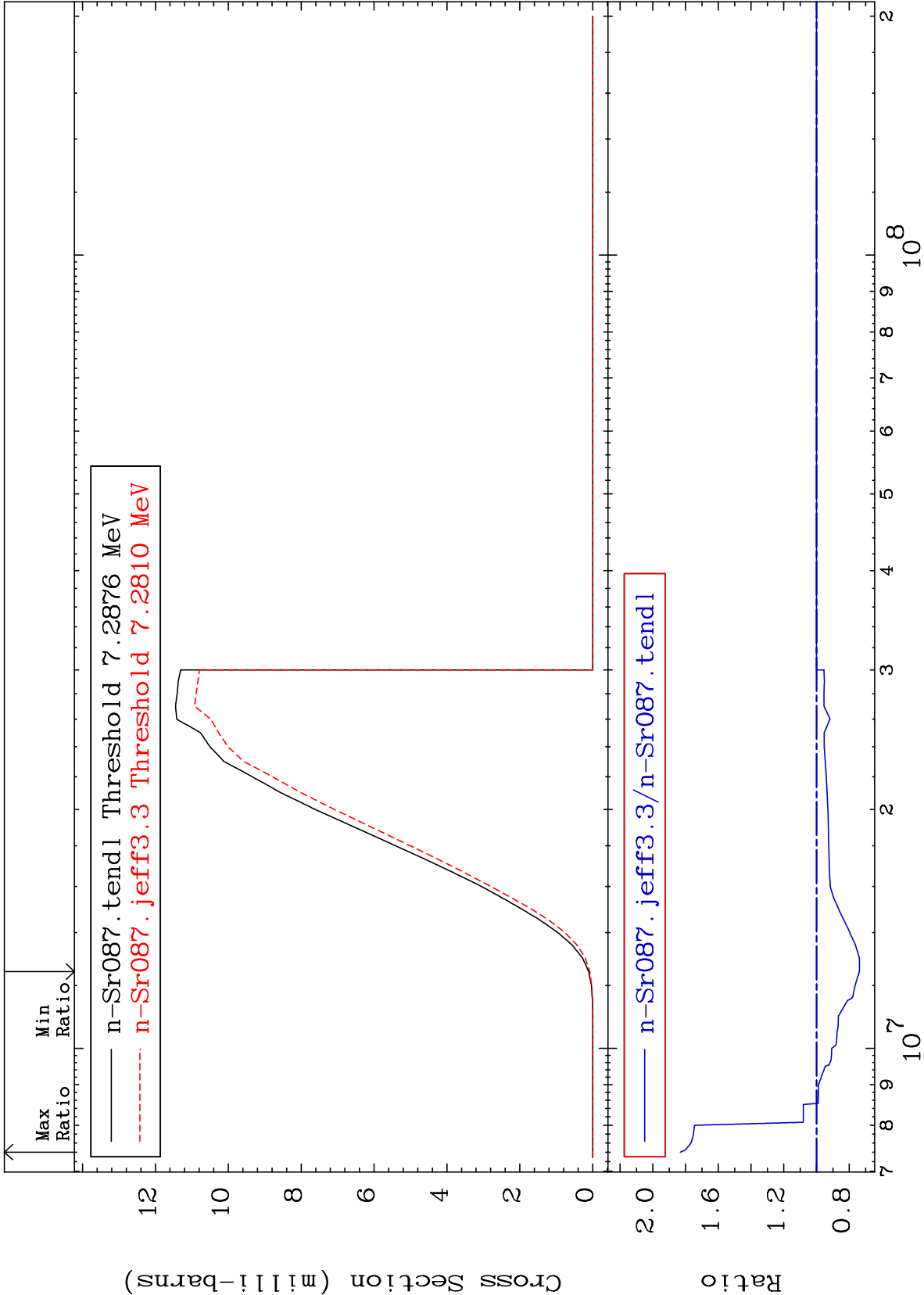










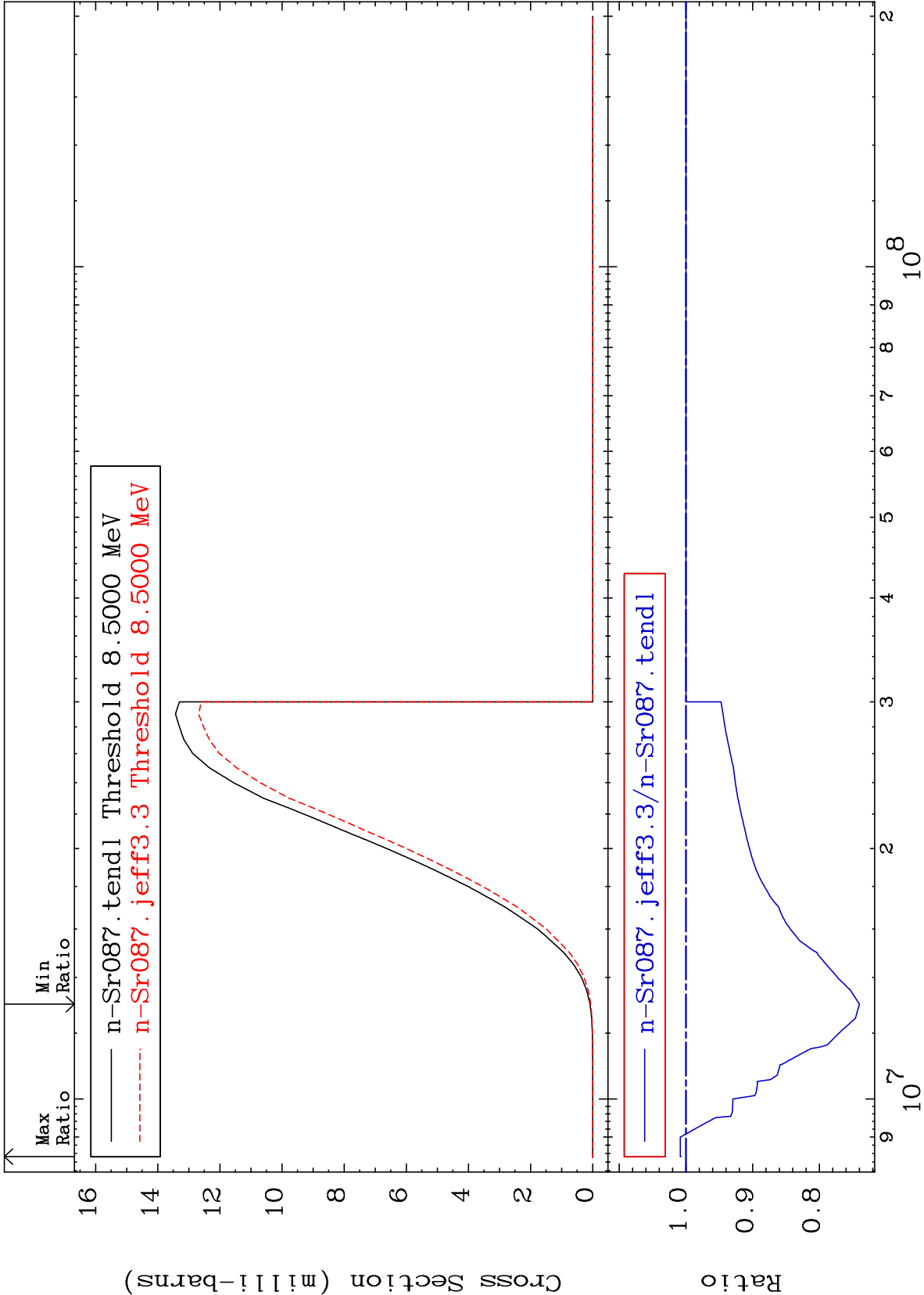


MAT 3834

(n,d):37-Rb-86m2

38-Sr-87

Radionuclide Production Cross Section -26.01 To 0.834 %

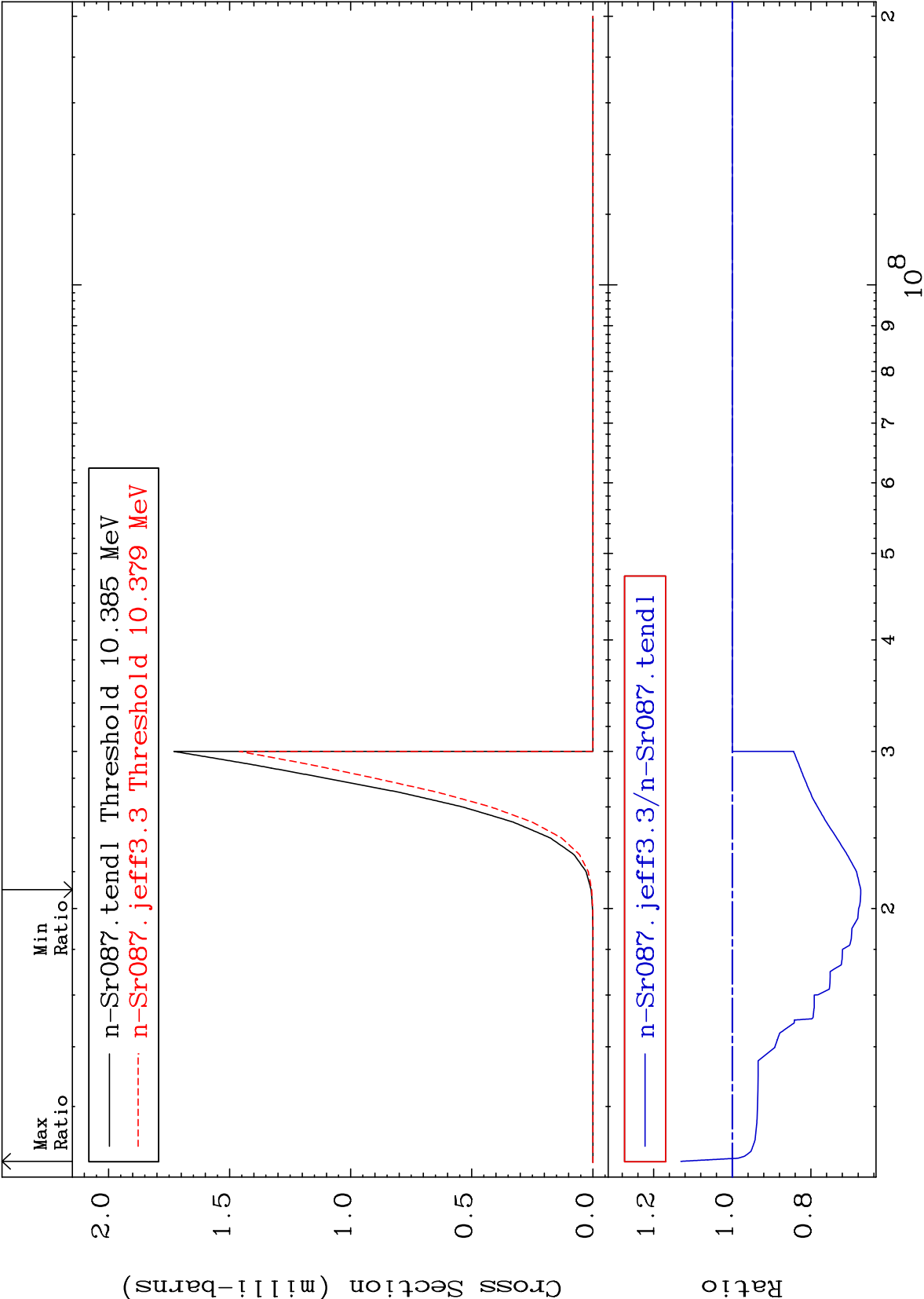


94

Incident Energy (eV)

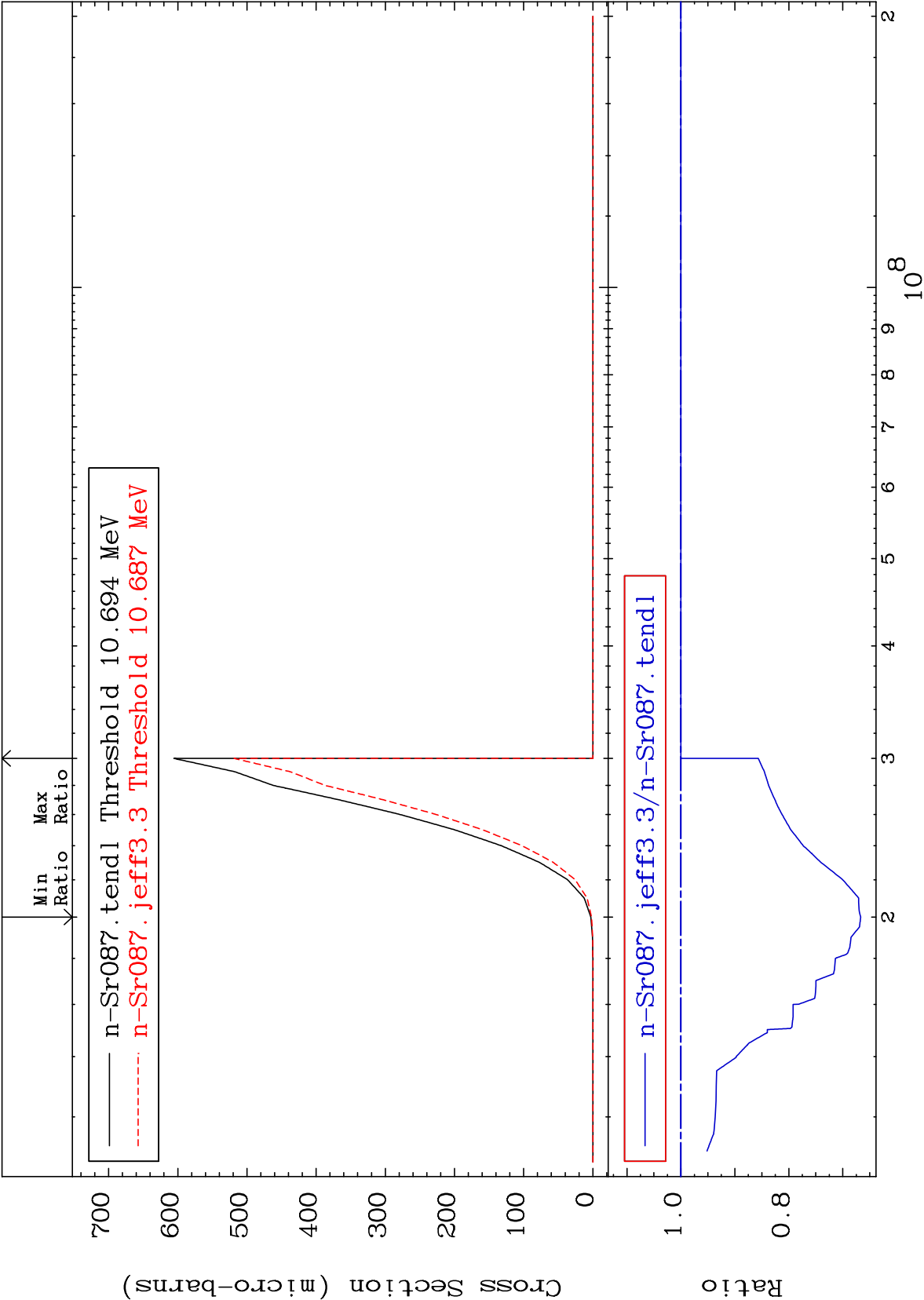
38-Sr-87

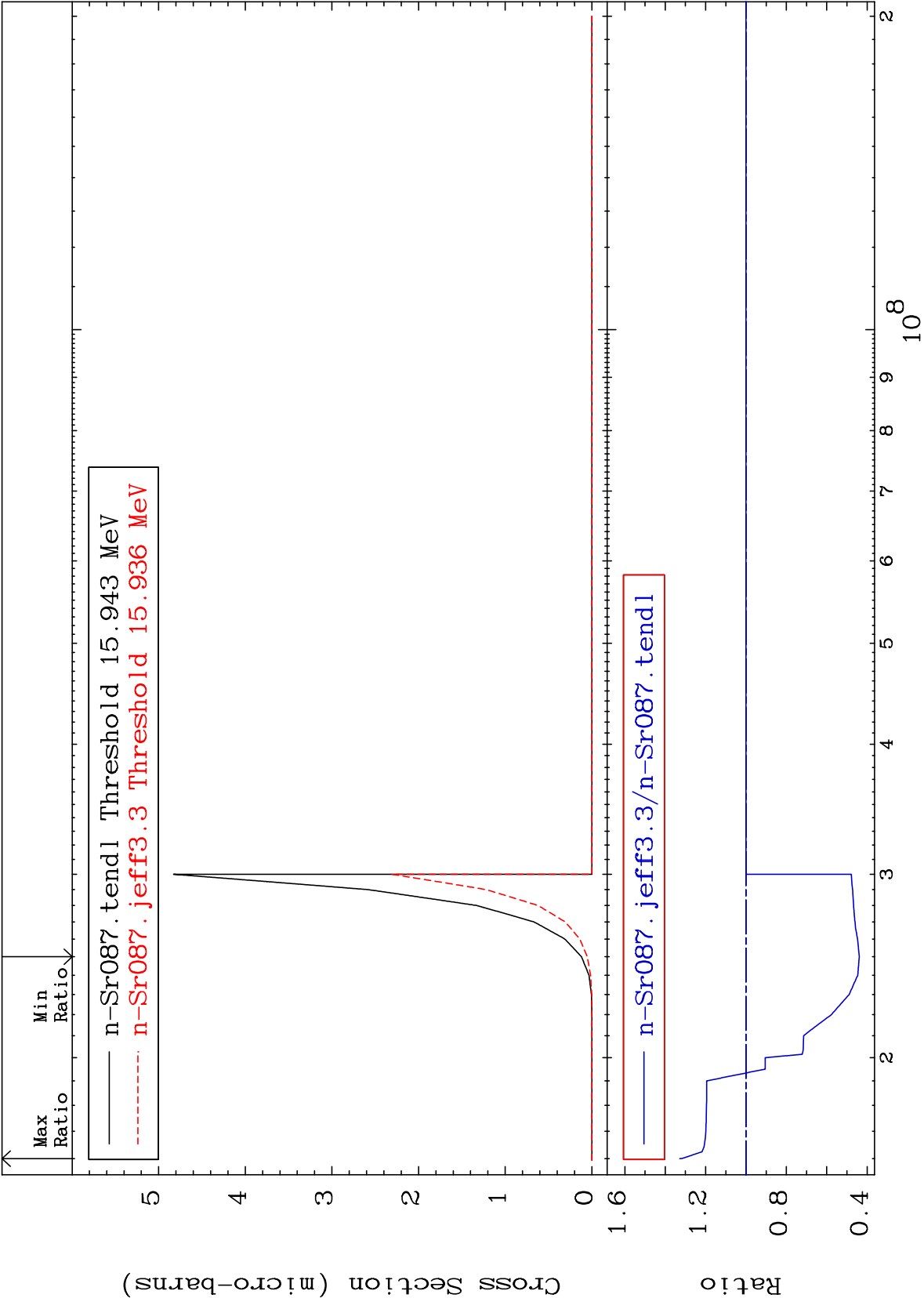
Radionuclide Production Cross Section -32.66 To 13.06 %

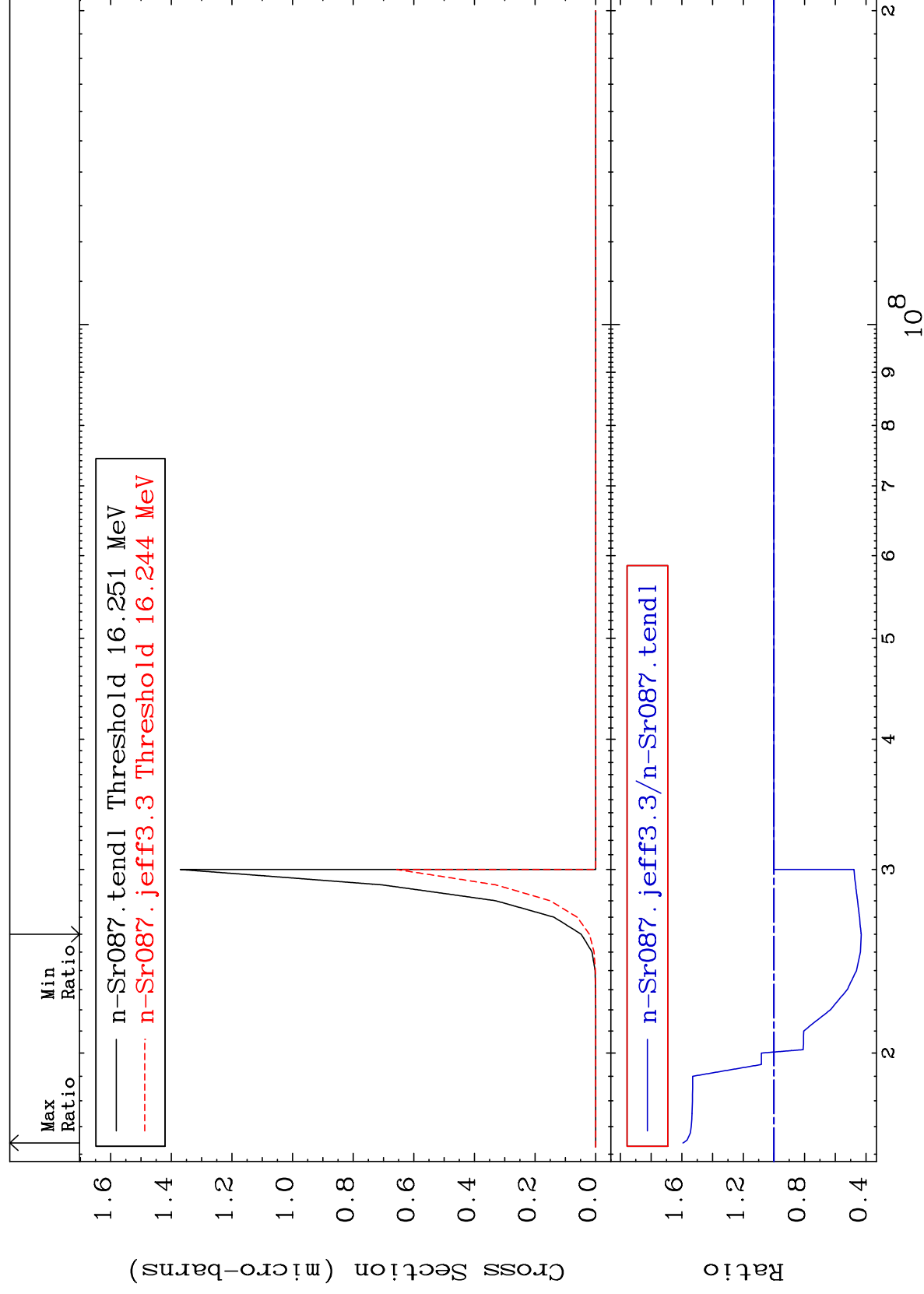


Radionuclide Production Cross Section

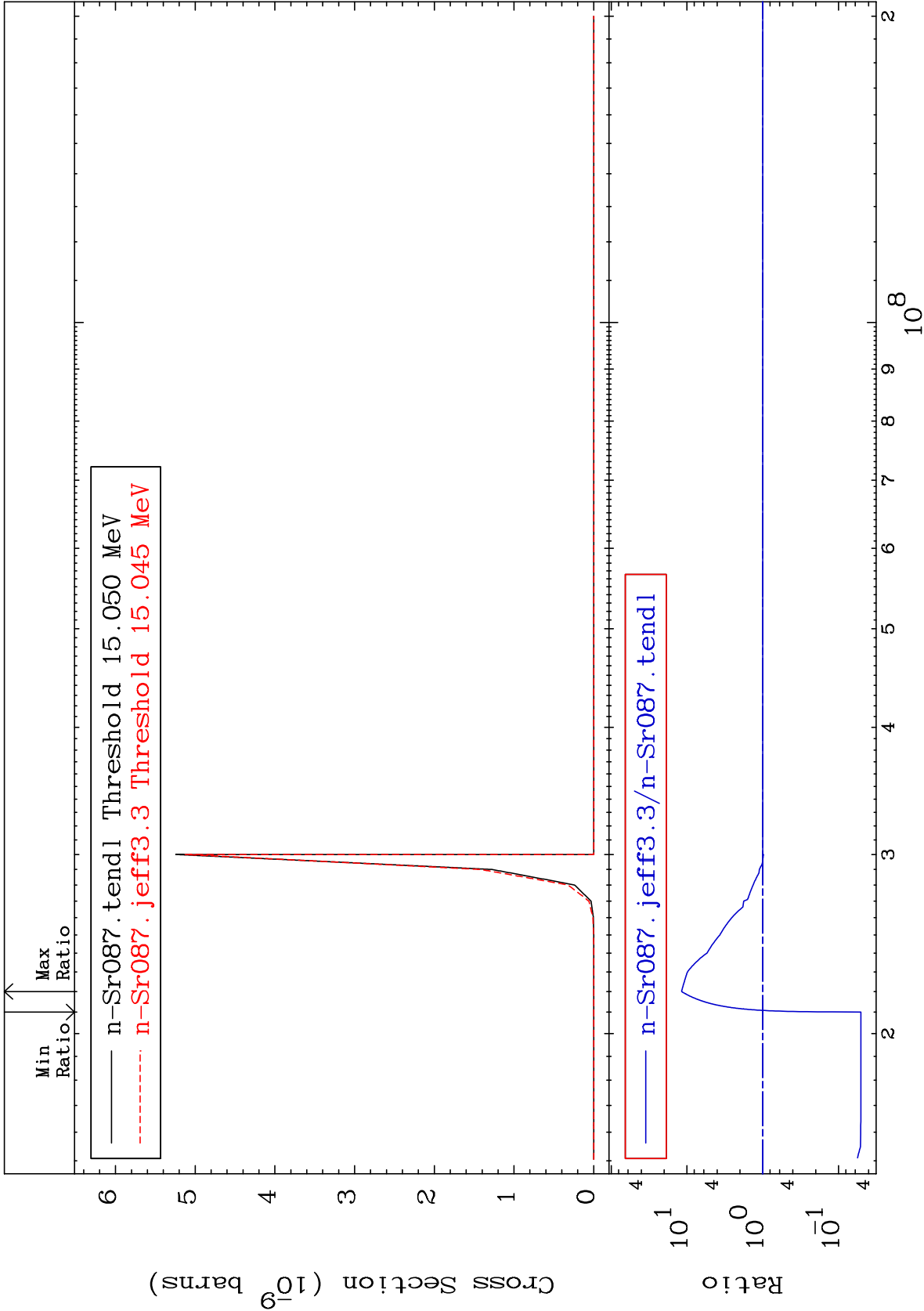
-33.33 To 0.000 %







Radionuclide Production Cross Section -94.94 To 1080. %



Radionuclide Production Cross Section -97.61 To 1379. %

