

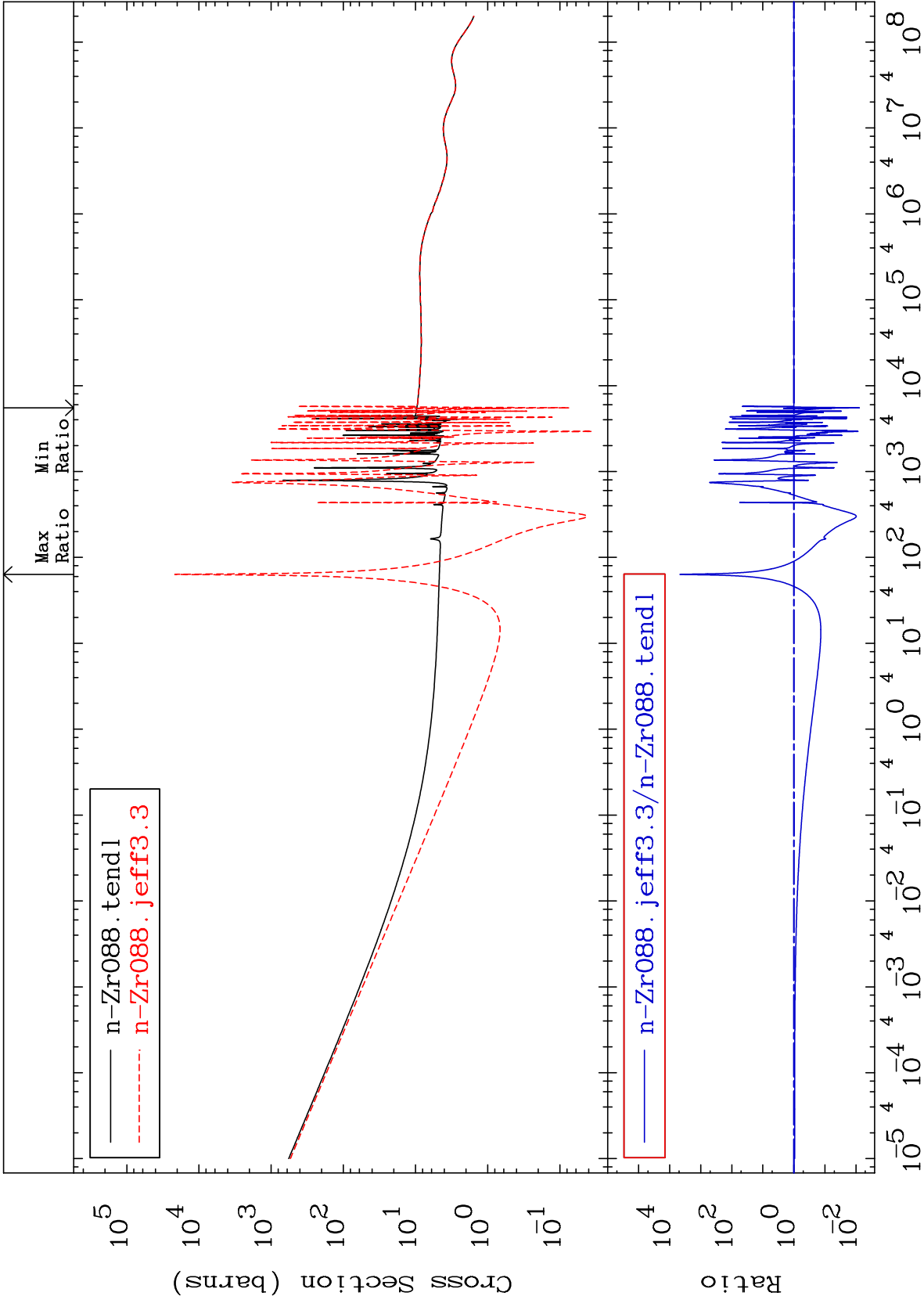
MAT 4019

Total

40-Zr-88

Cross Section

-99.22 To 9999. %



Incident Energy (eV)

40-Zr-88

-100.0 To 9999. %

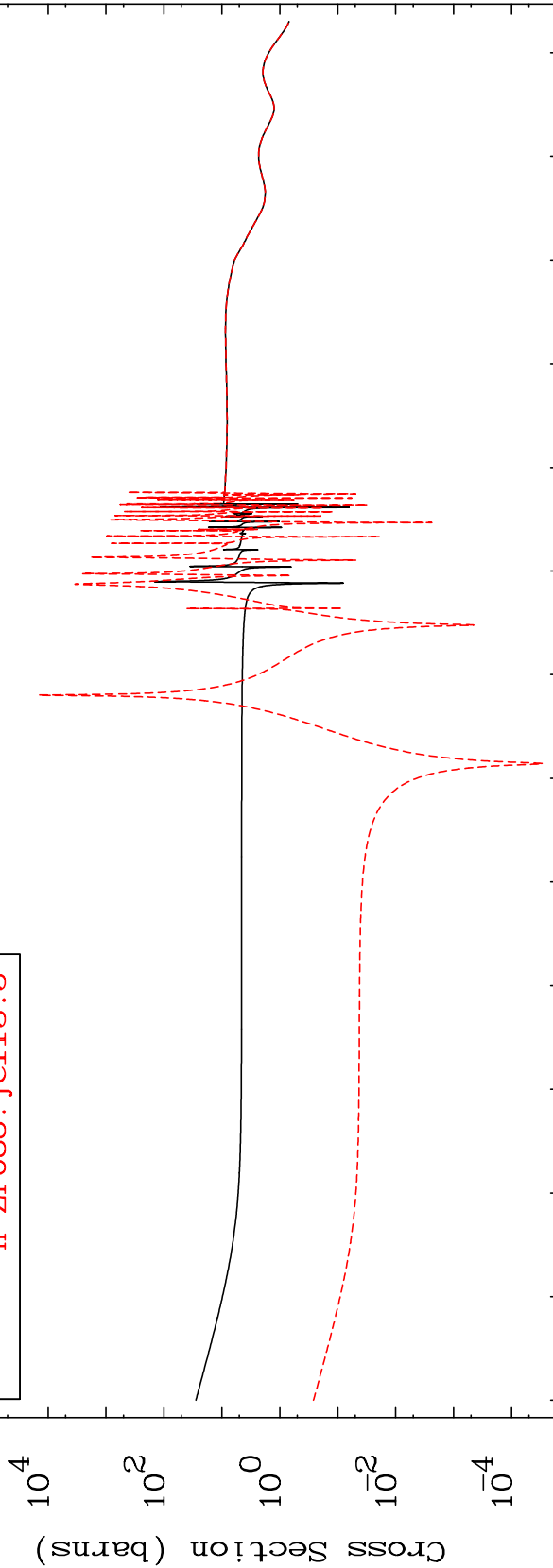
Elastic

Cross Section

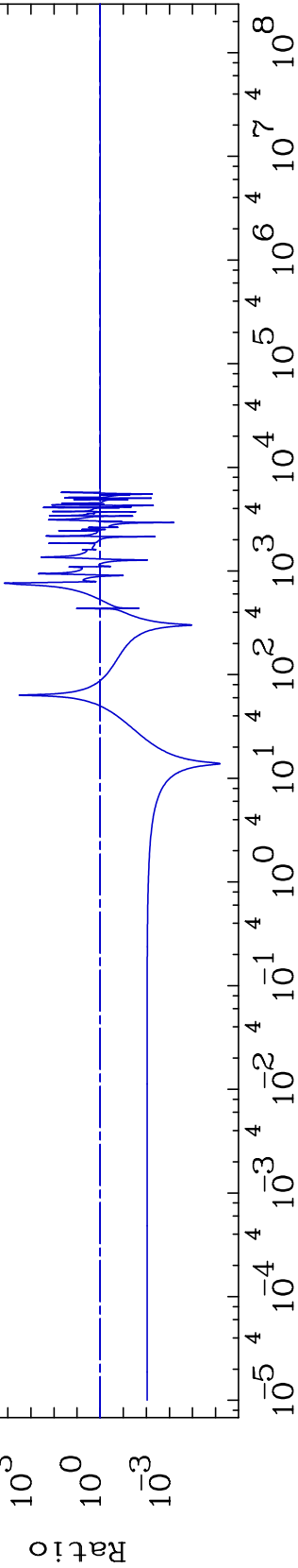
Min Ratio

Max Ratio

— n-Zr088.tendl
- - - n-Zr088.jeff3.3



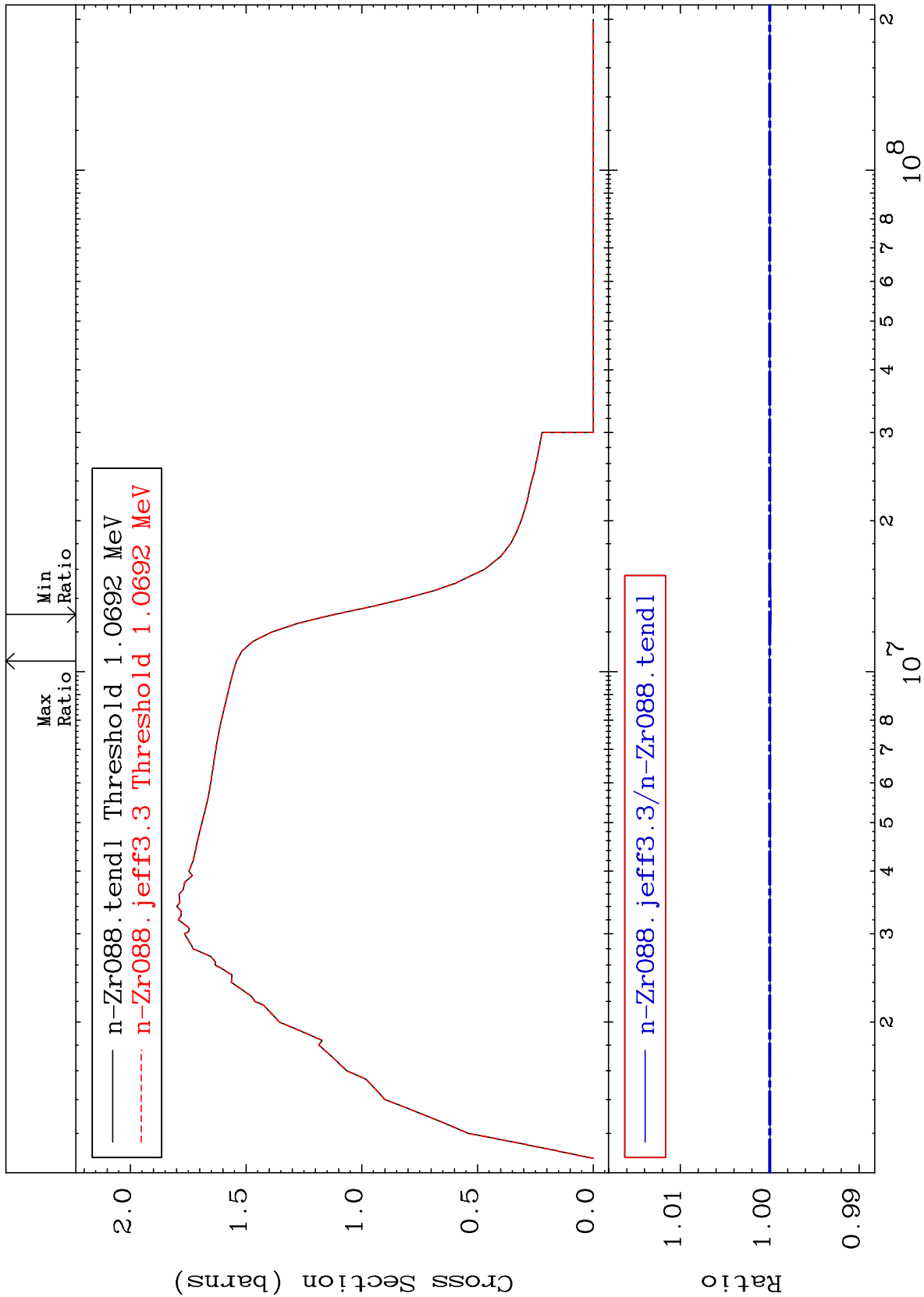
— n-Zr088.jeff3.3/n-Zr088.tendl

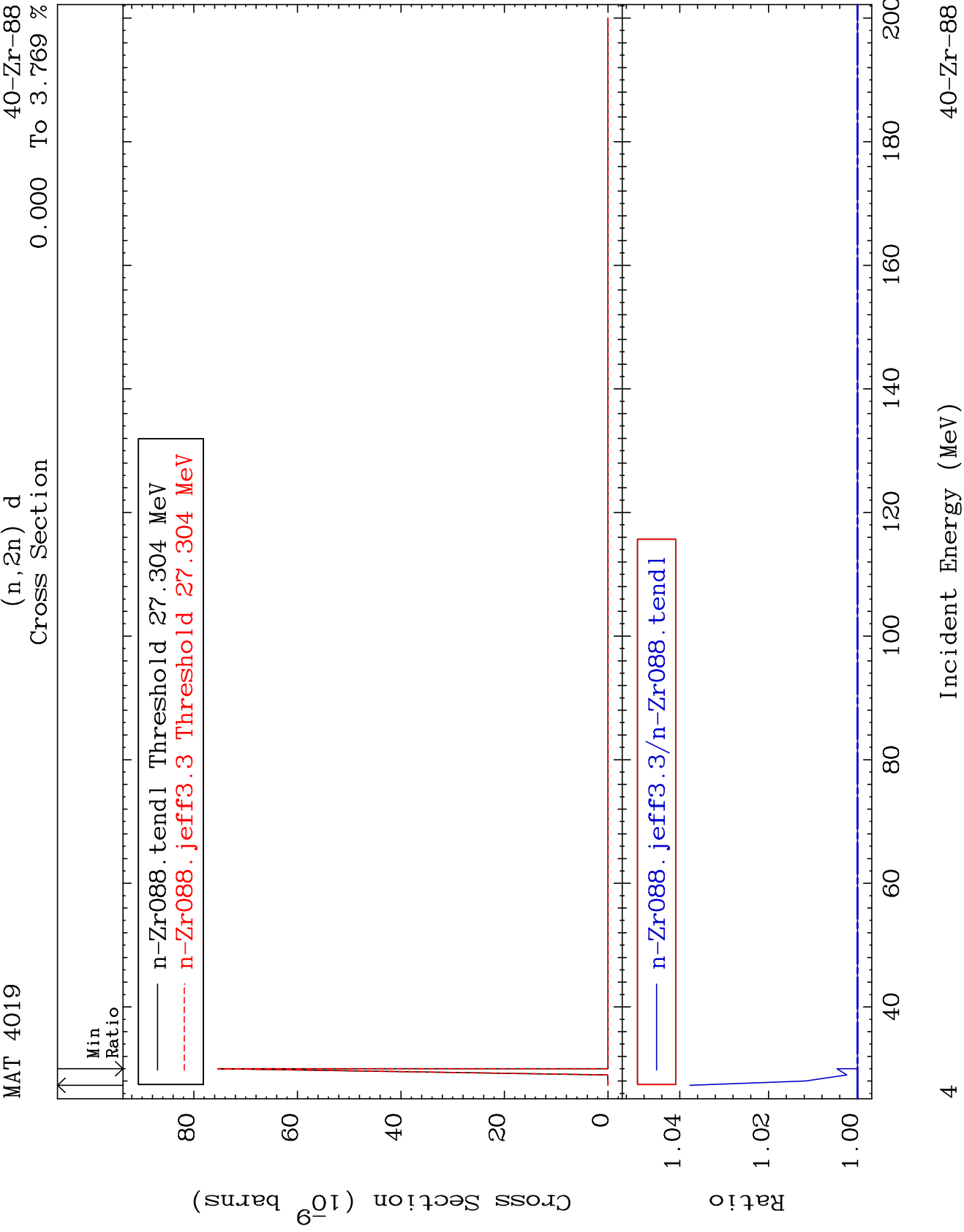


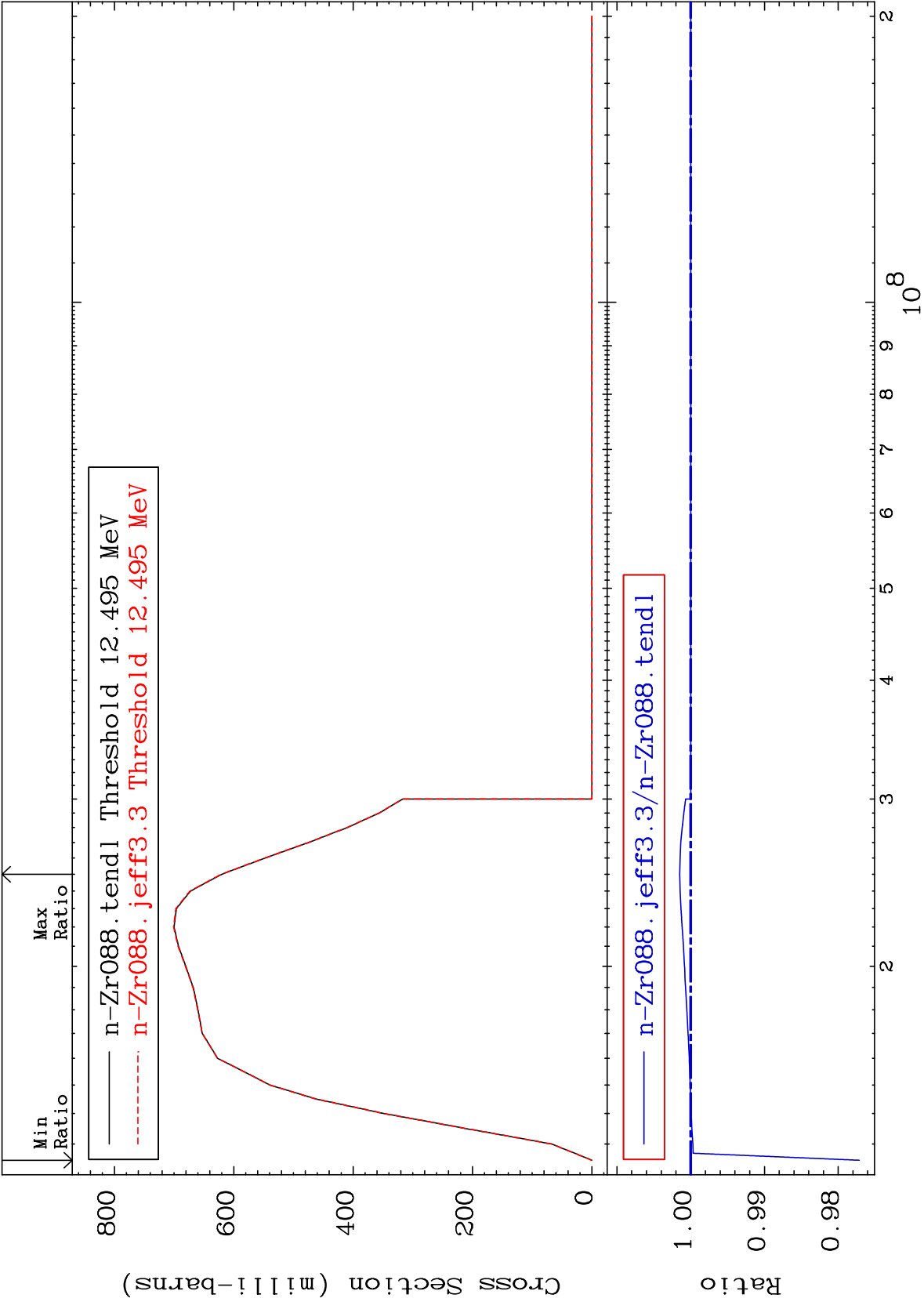
Incident Energy (eV)

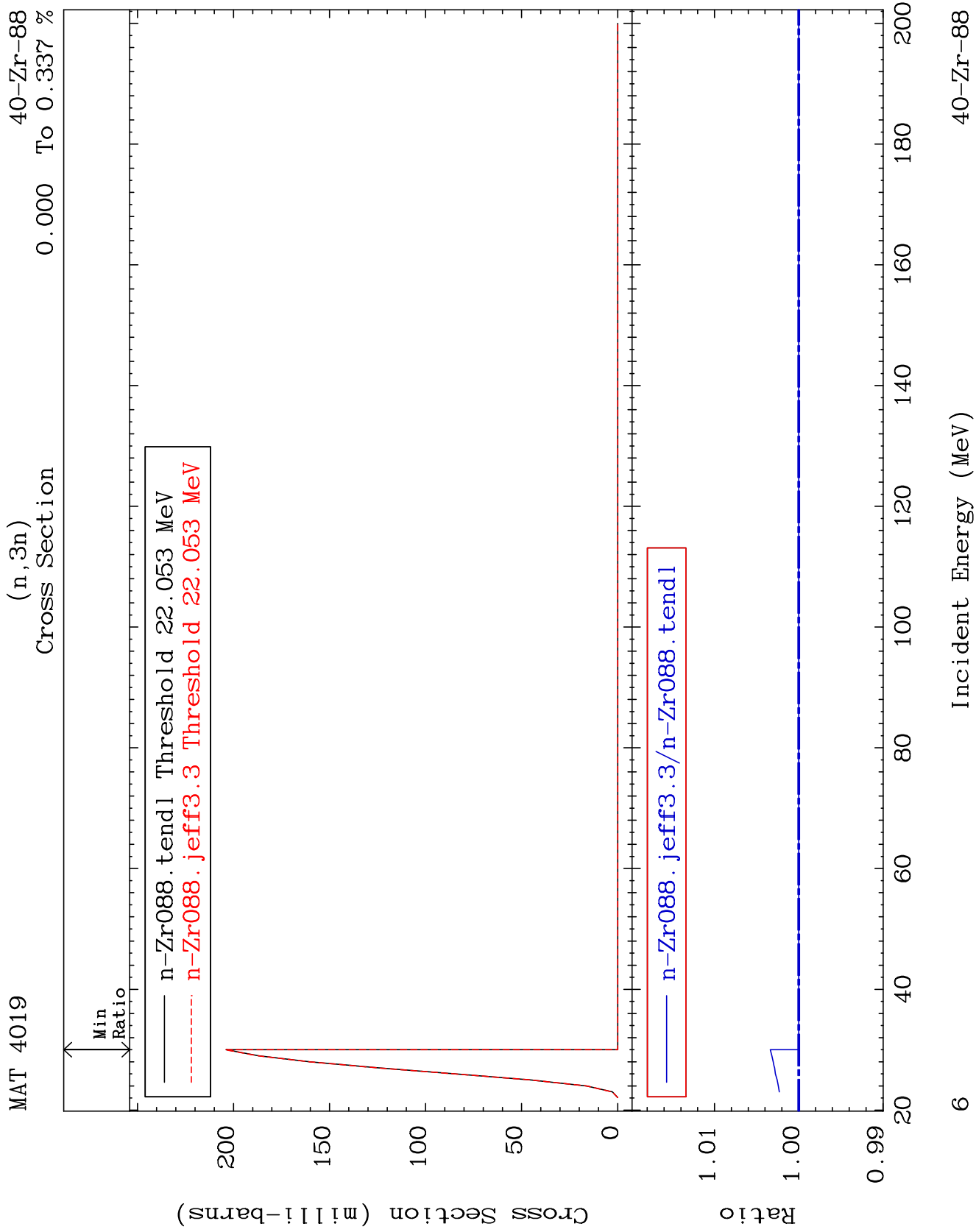
Inelastic
Cross Section

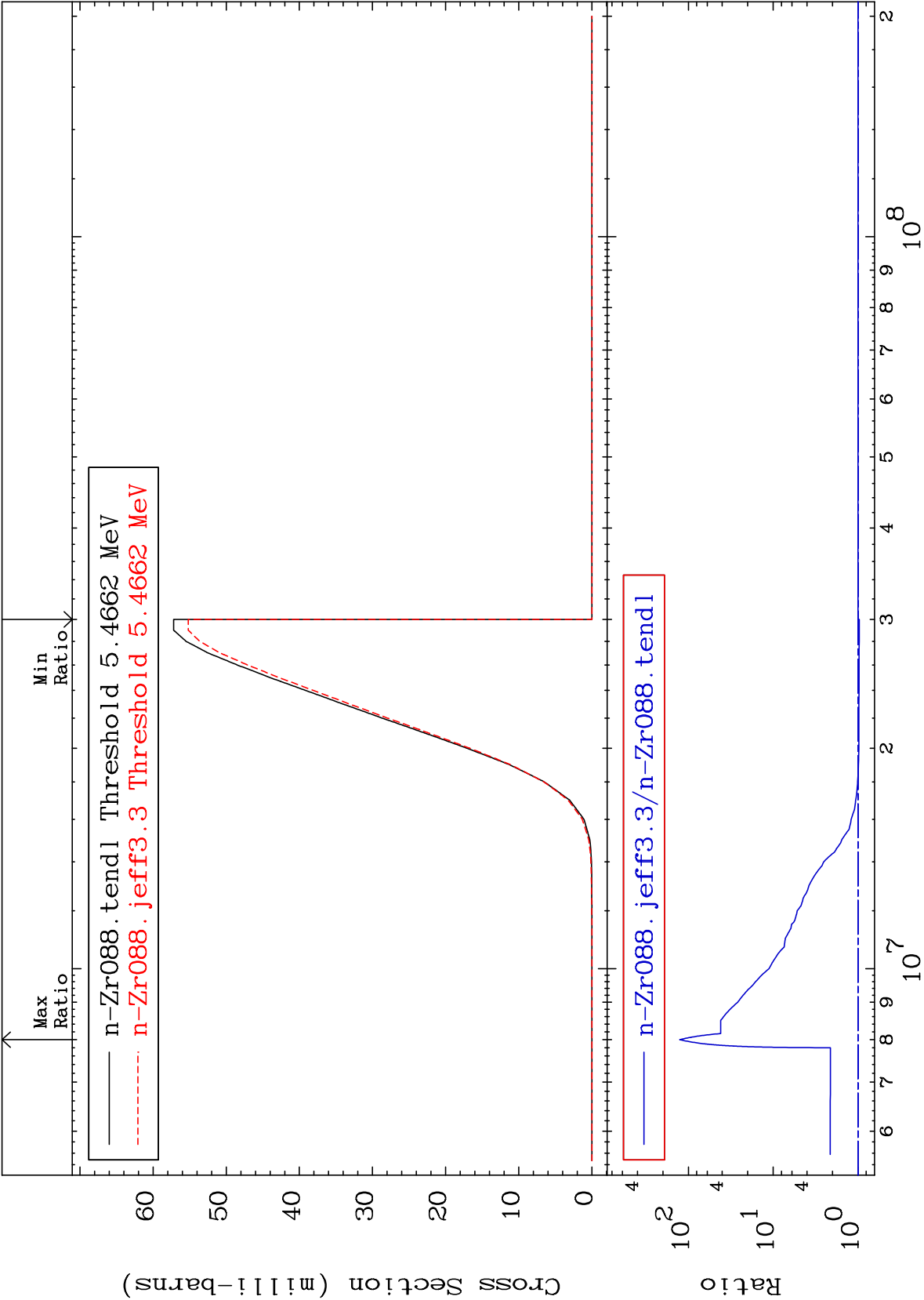
-0.014 To 0.005 %

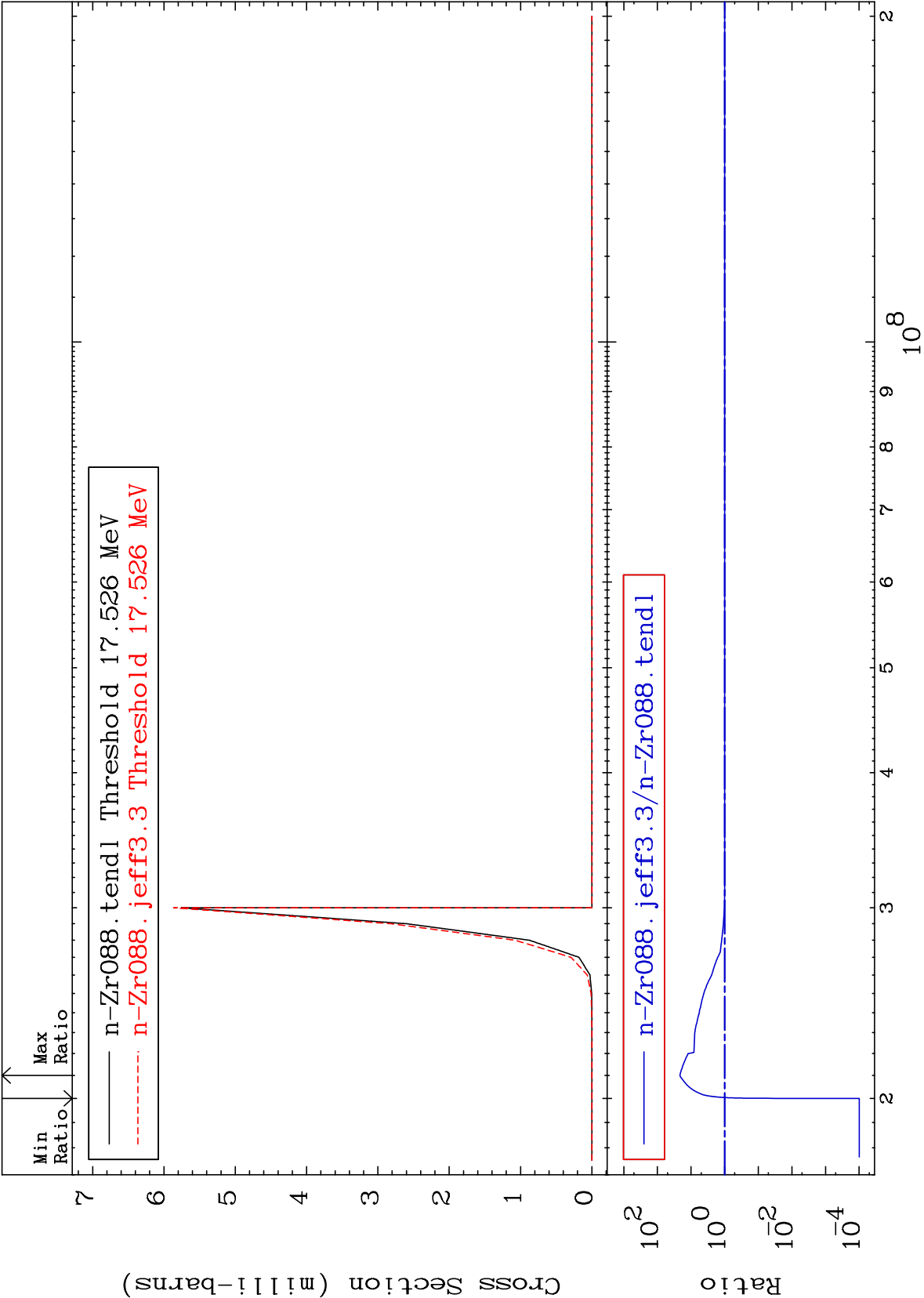






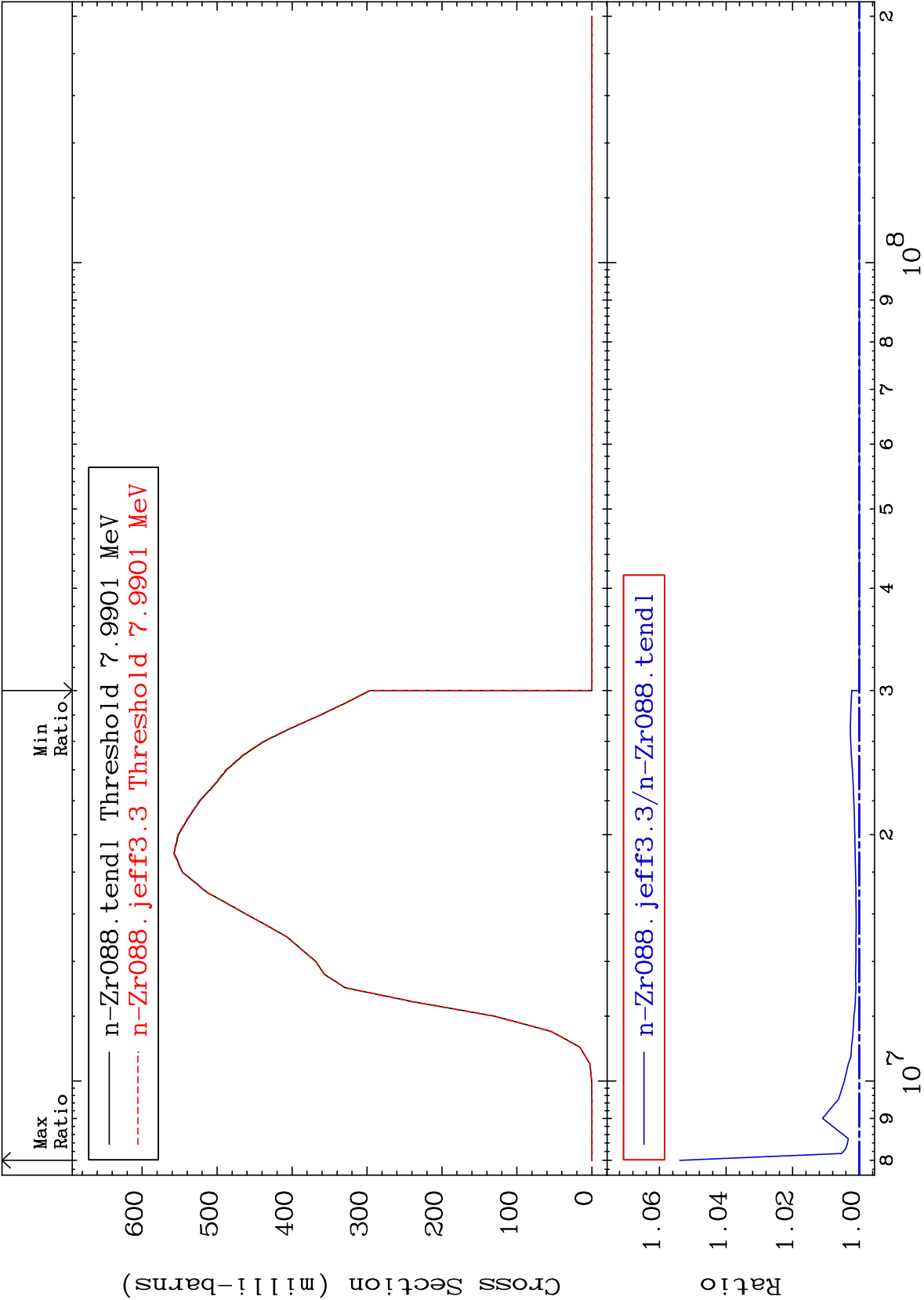






MAT 4019

(n,n') p
Cross Section
0.000 To 5.392 %
40-Zr-88



MAT 4019

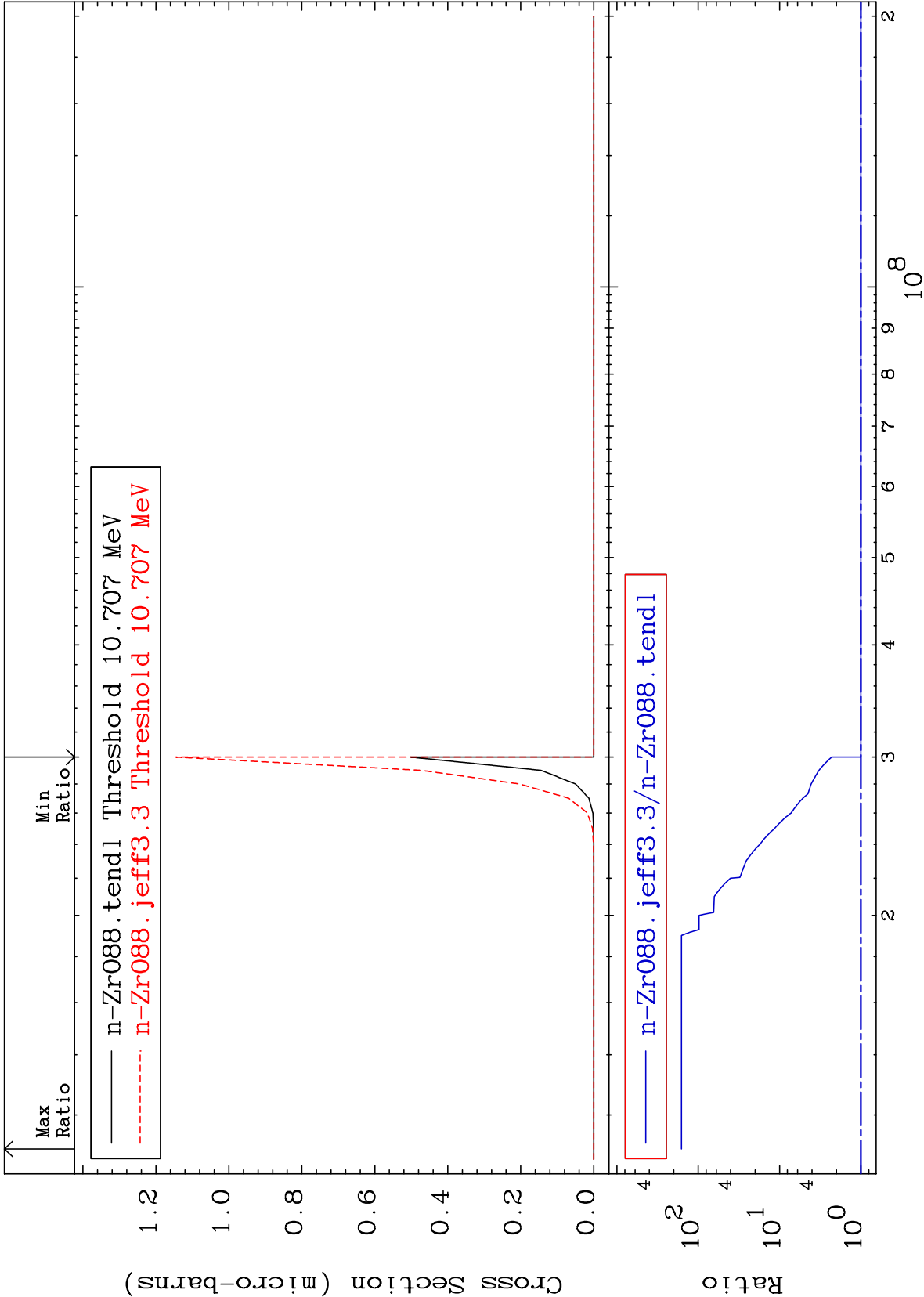
(n,n') 2α

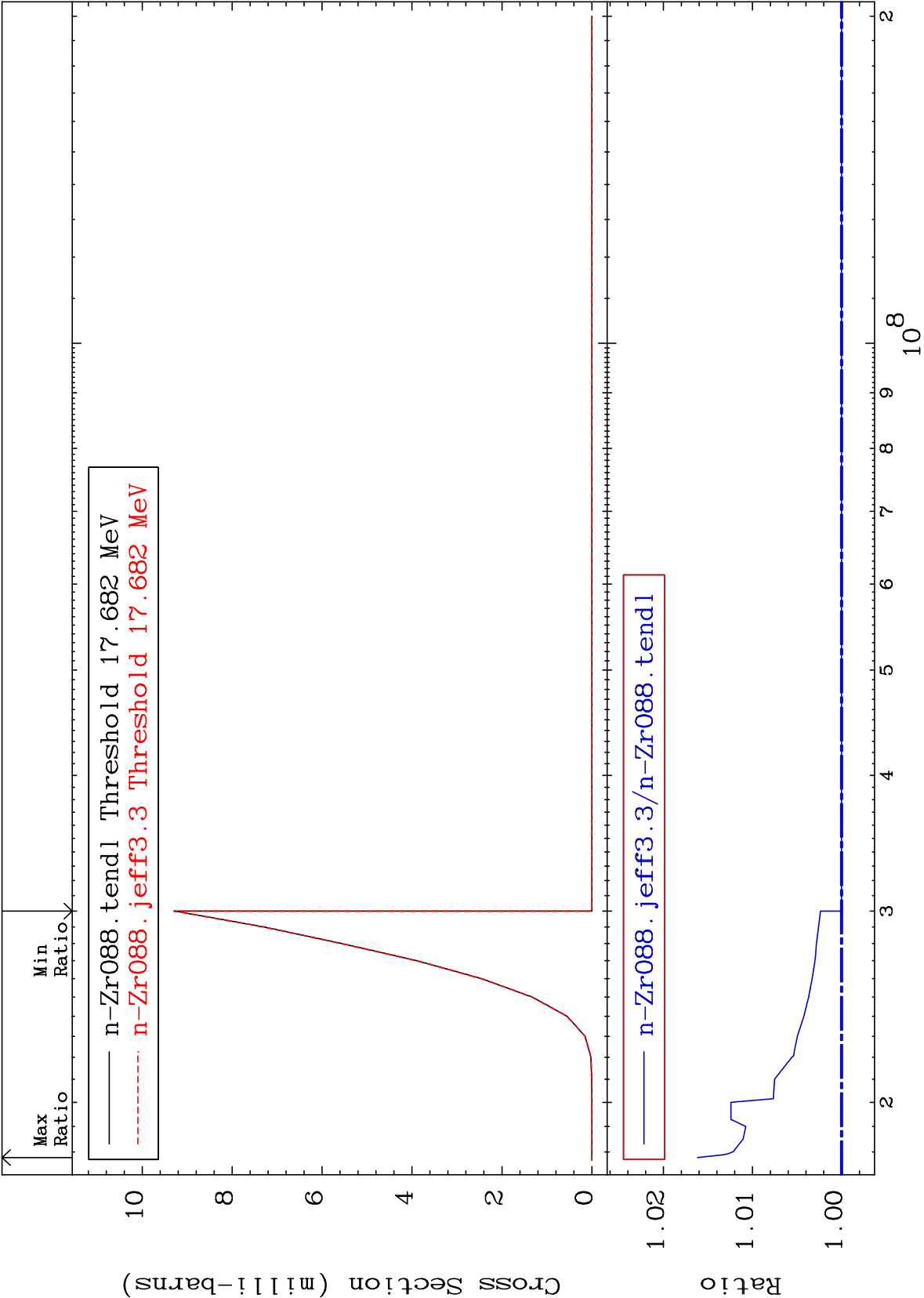
40-Zr-88

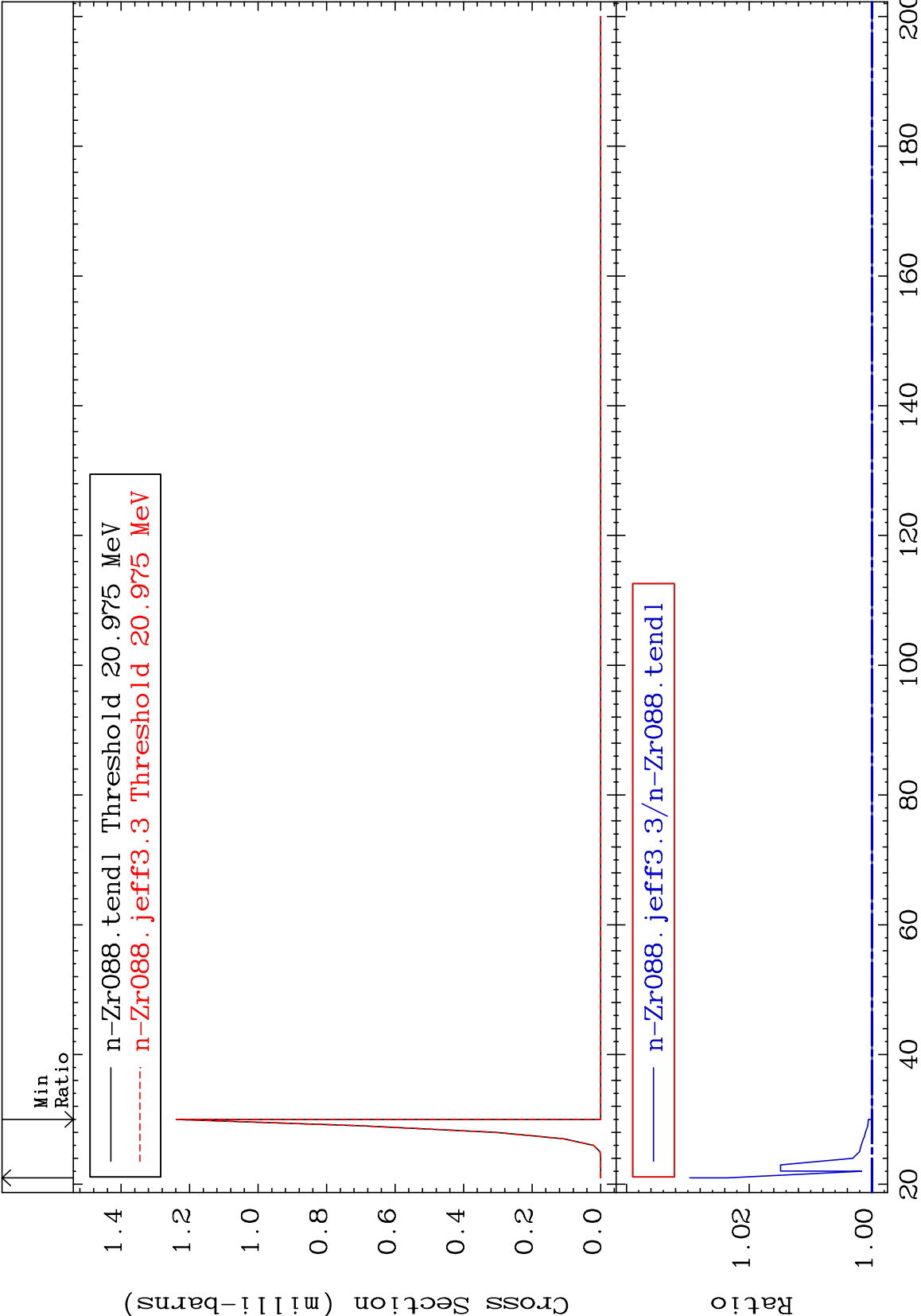
Cross Section

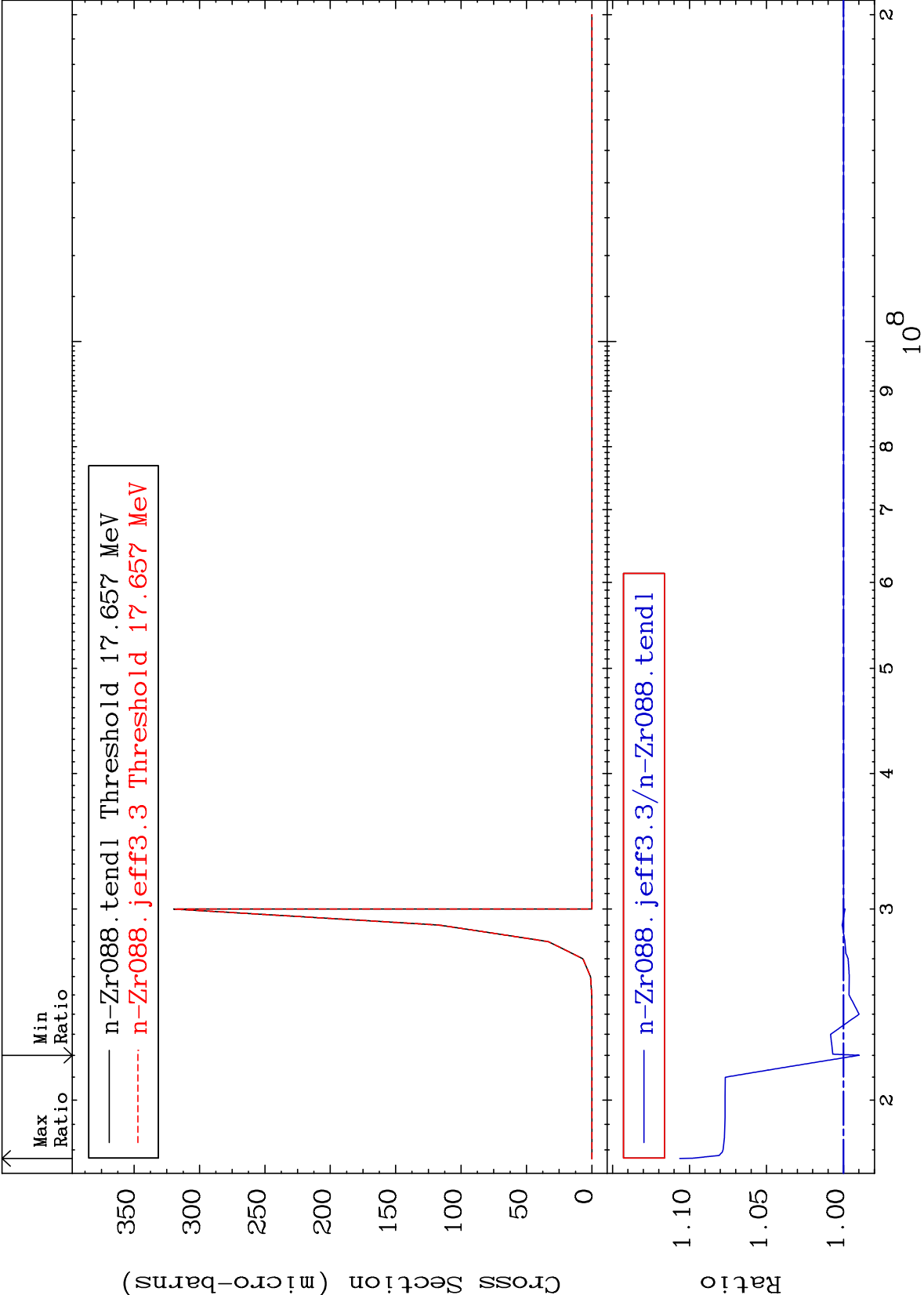
0.000

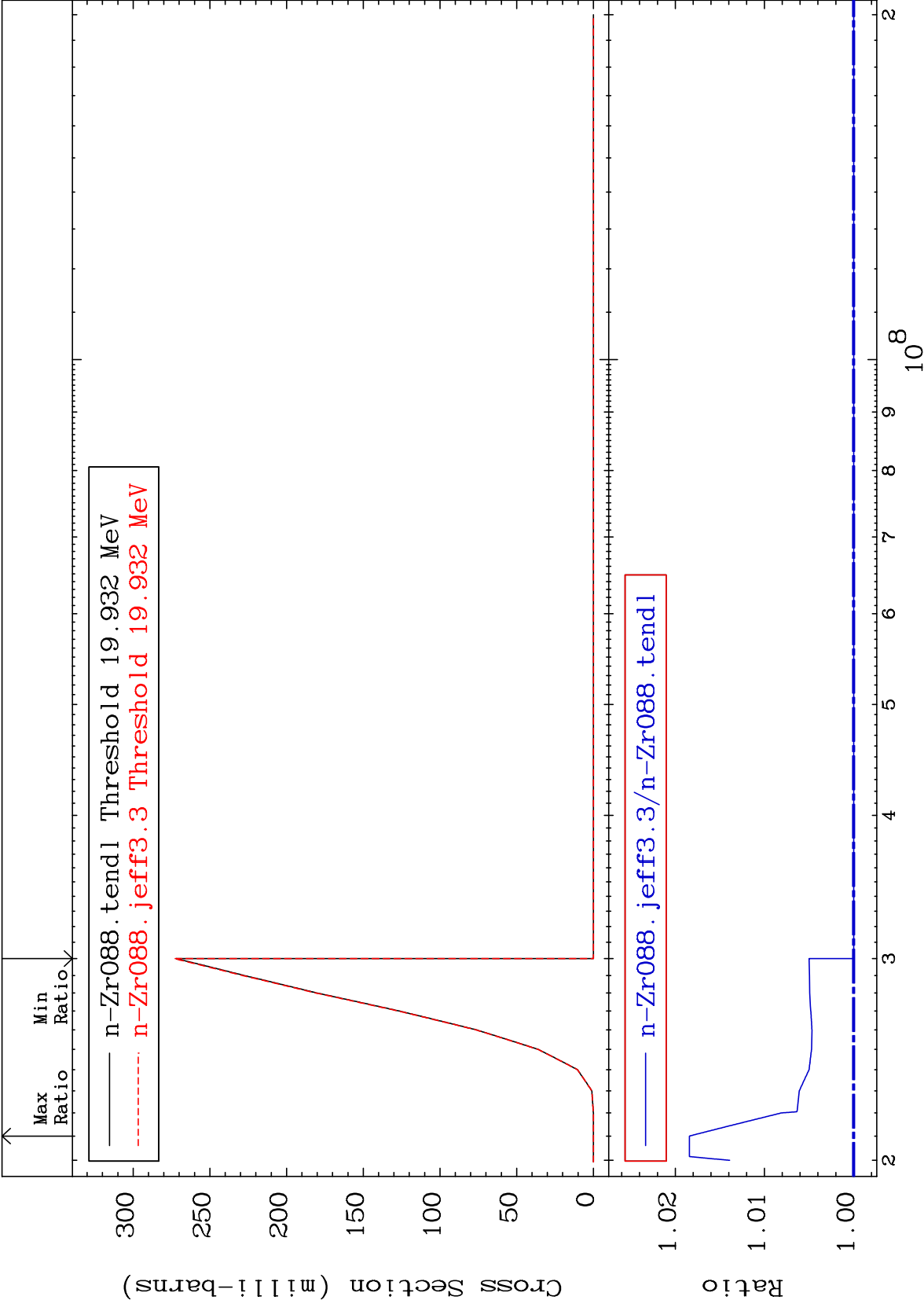
To 9999. %

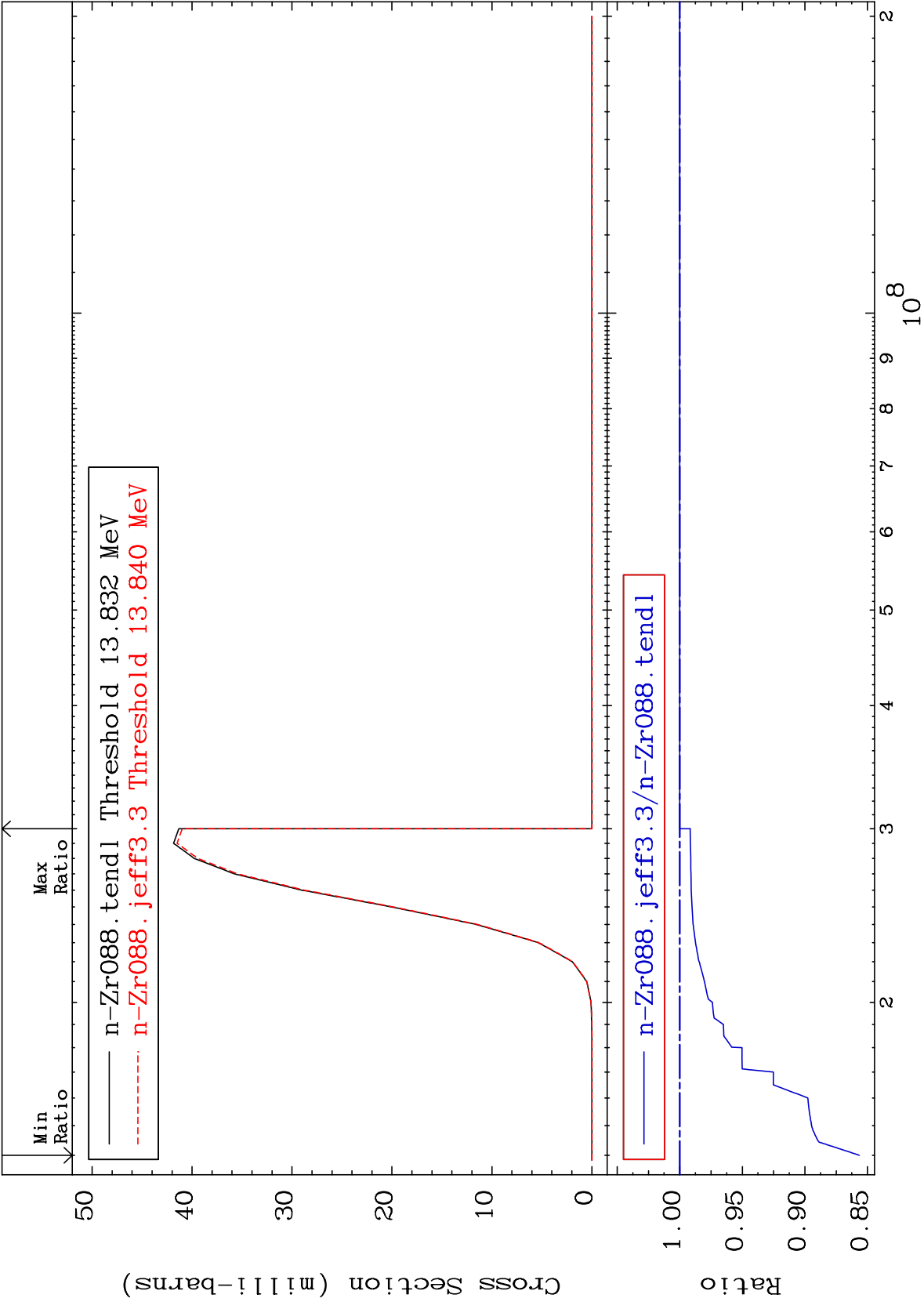


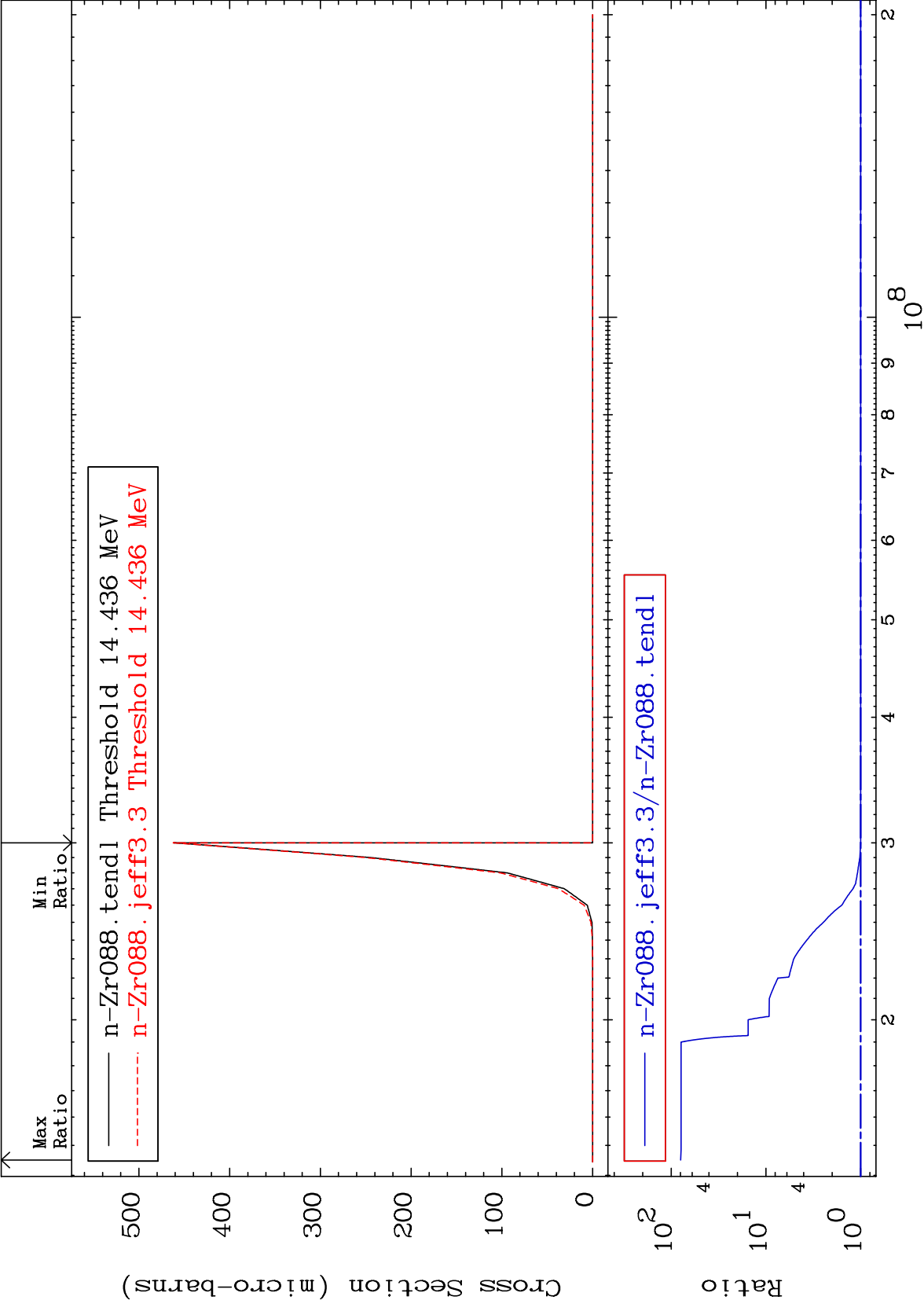


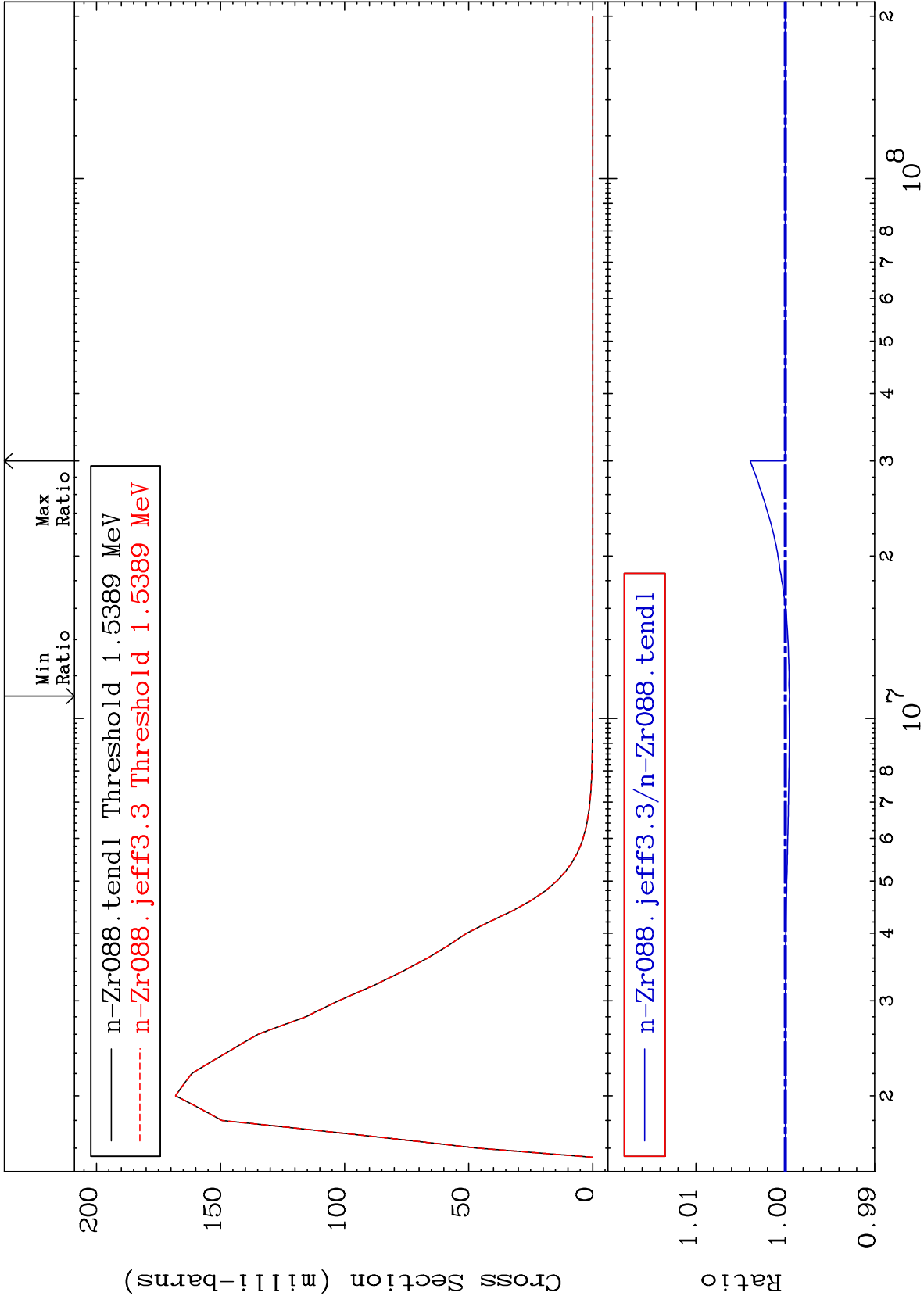












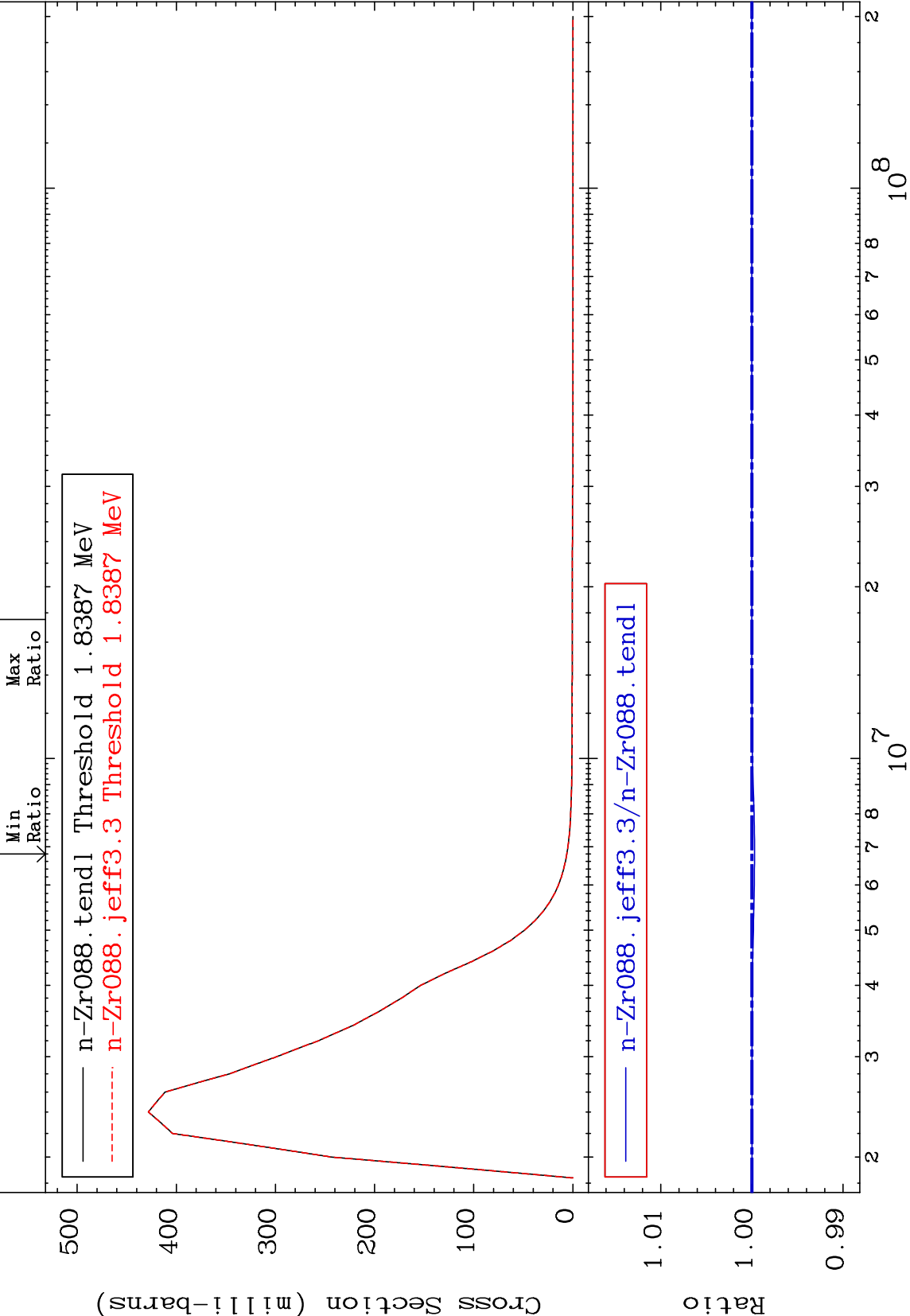
MAT 4019

MT= 53 (n,n') Level

40-Zr-88

Cross Section

-0.029 To 0.000 %



18

Incident Energy (eV)

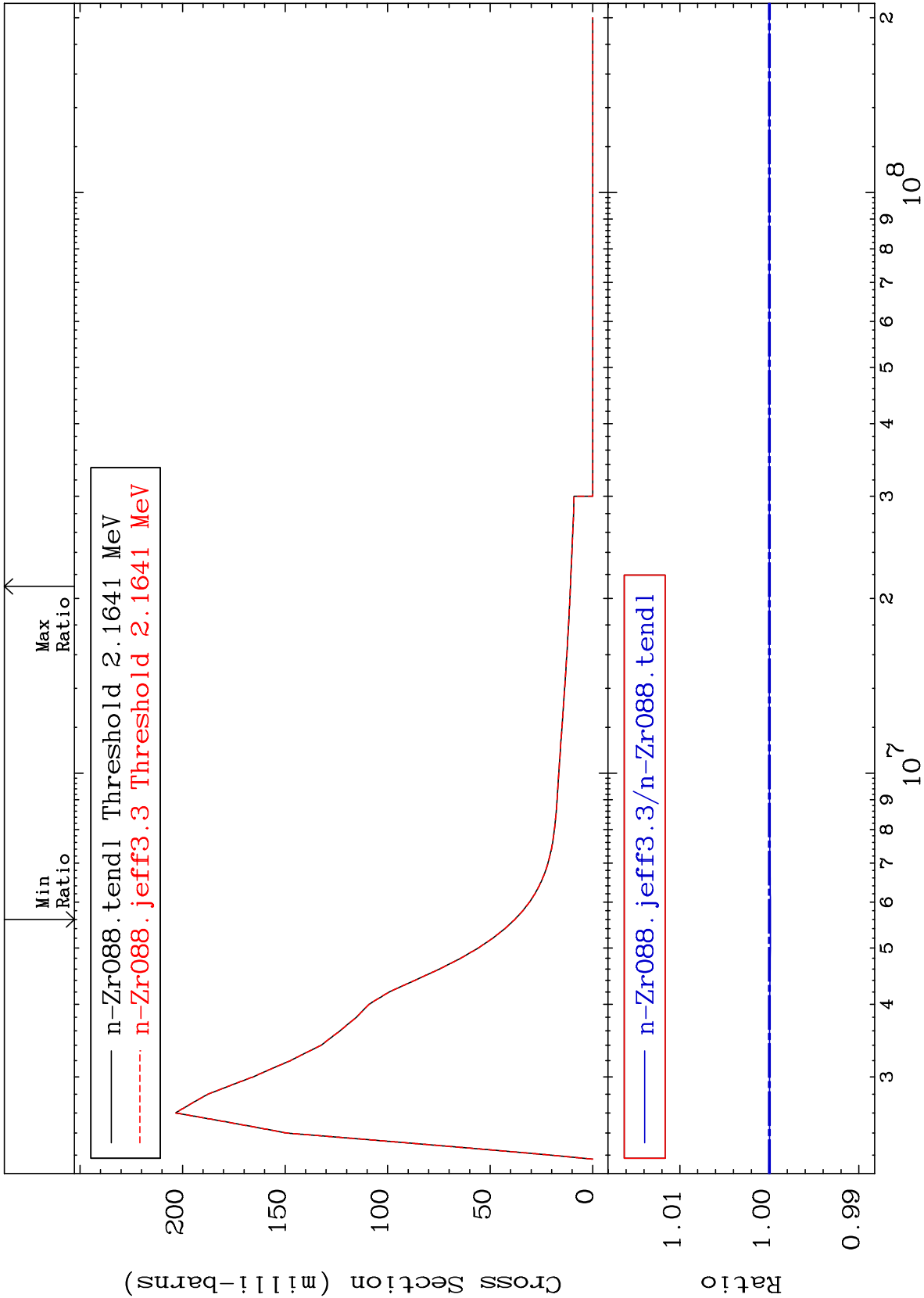
40-Zr-88

MAT 4019

MT= 54 (n,n') Level

40-Zr-88

Cross Section
-0.012 To 0.000 %



19

Incident Energy (eV)

40-Zr-88

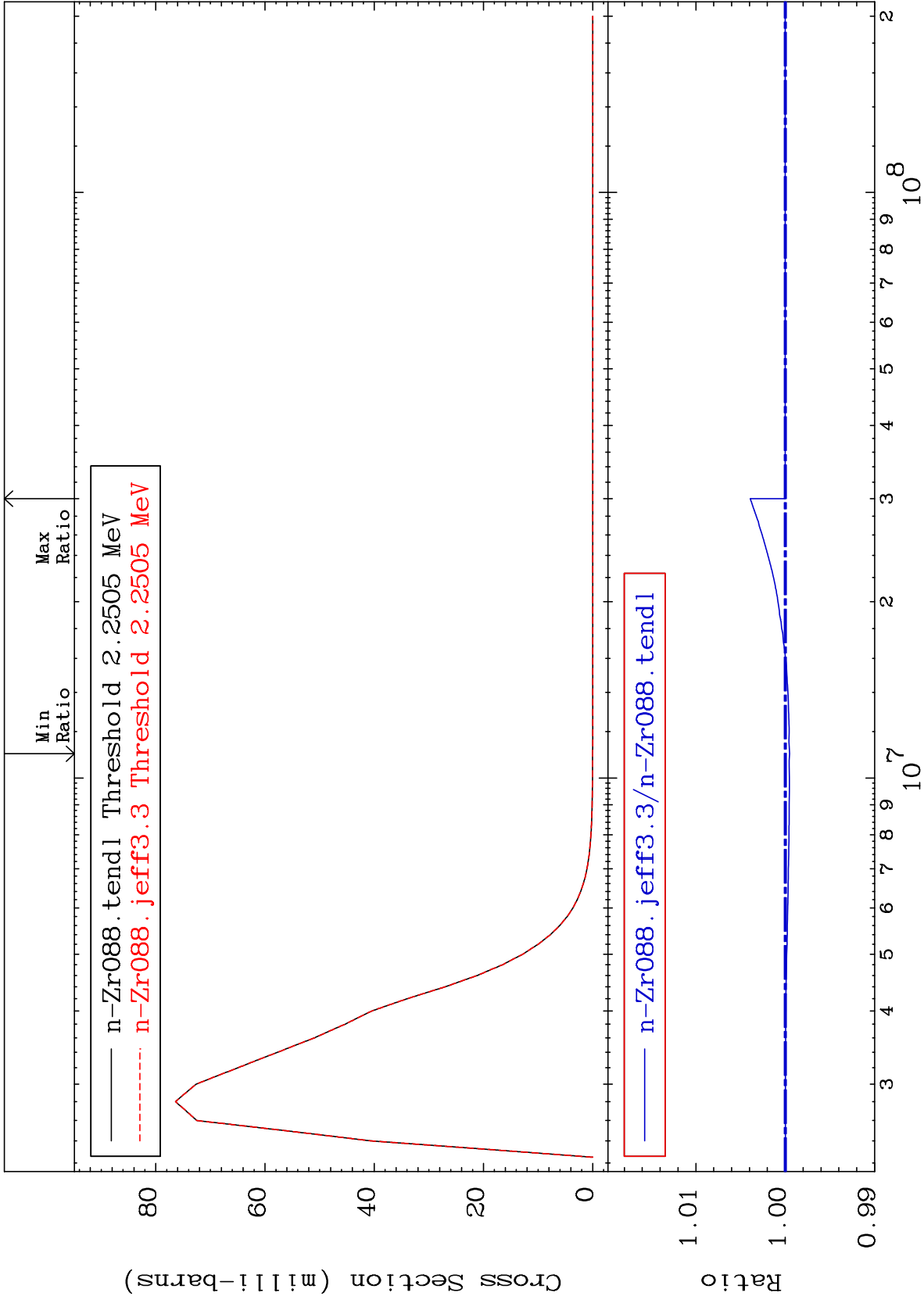
MAT 4019

MT= 55 (n,n') Level

40-Zr-88

-0.049 To 0.392 %

Cross Section



20

Incident Energy (eV)

40-Zr-88

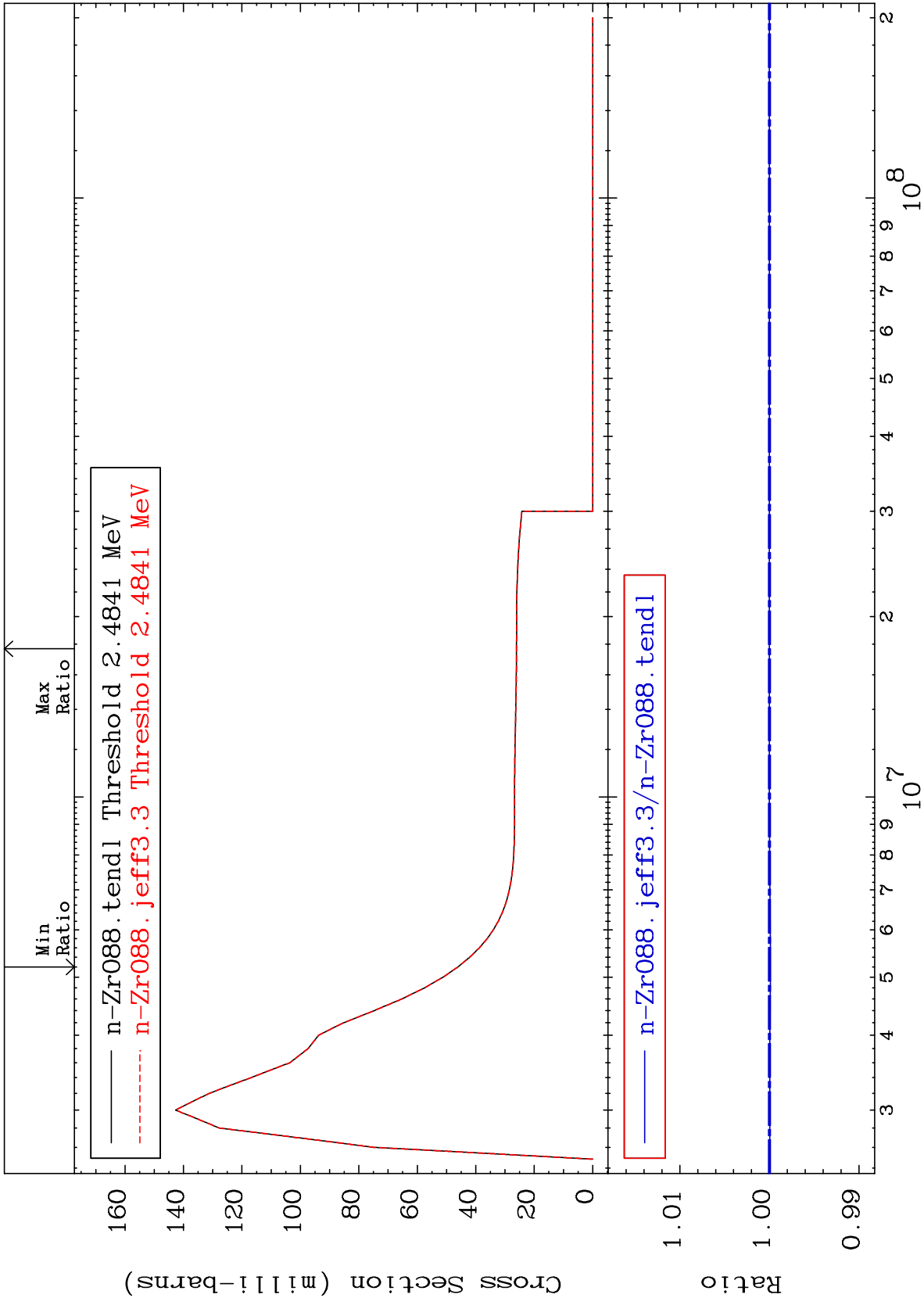
MAT 4019

MT= 56 (n,n') Level

40-Zr-88

Cross Section

-0.011 To 0.000 %



21

Incident Energy (eV)

40-Zr-88

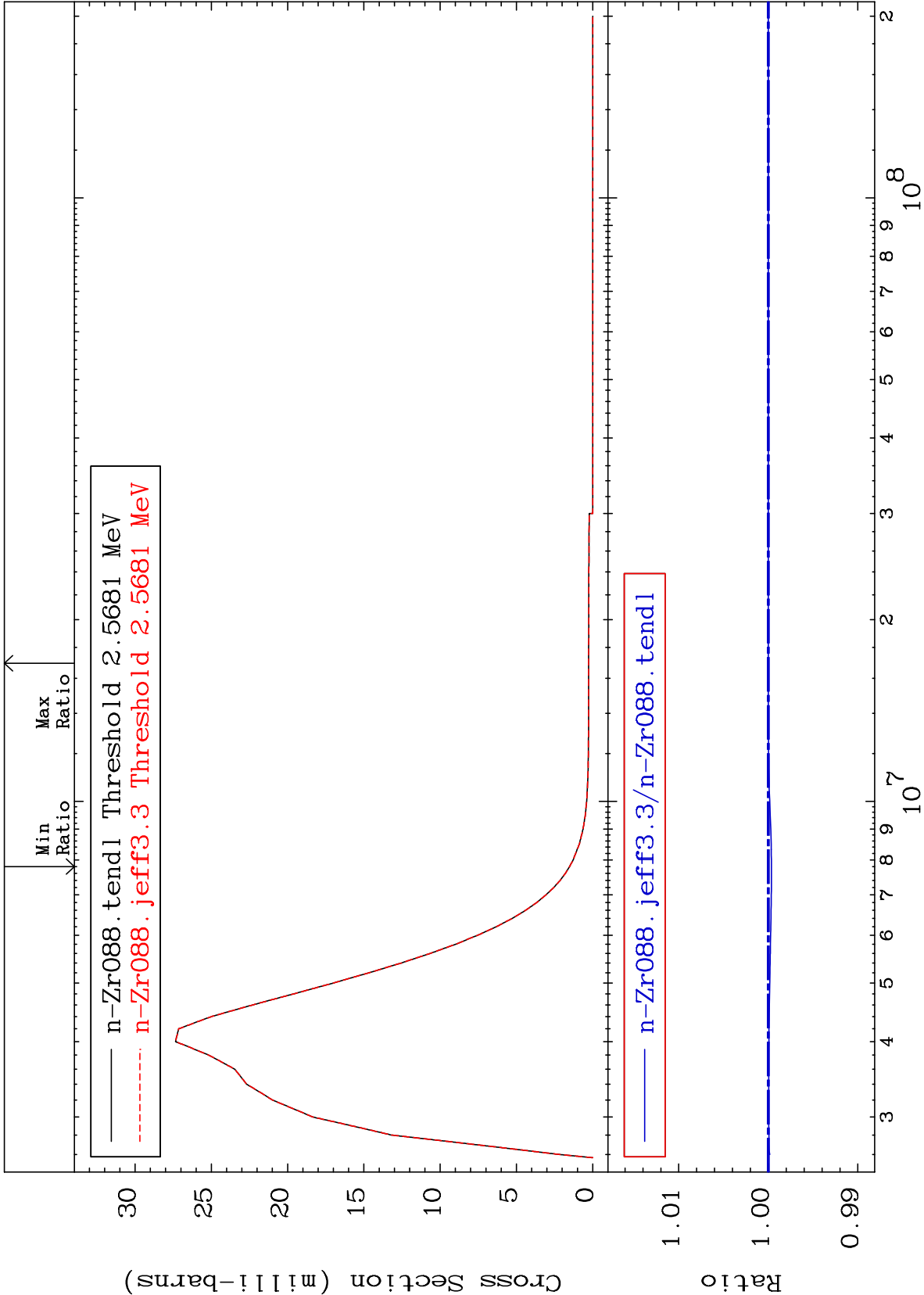
MAT 4019

MT= 57 (n,n') Level

40-Zr-88

-0.036 To 0.000 %

Cross Section



22

Incident Energy (eV)

40-Zr-88

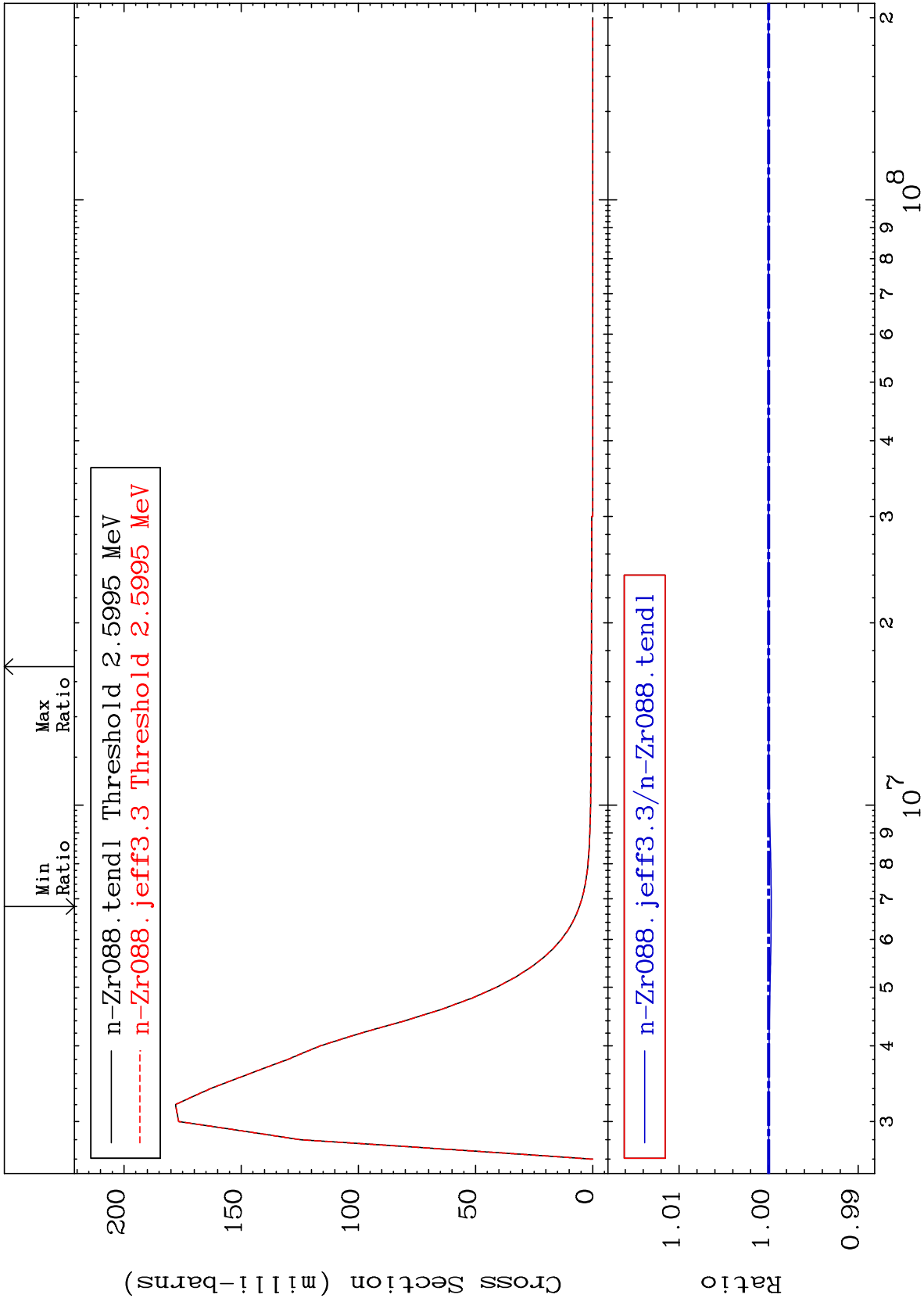
MAT 4019

MT= 58 (n,n') Level

40-Zr-88

Cross Section

-0.029 To 0.000 %

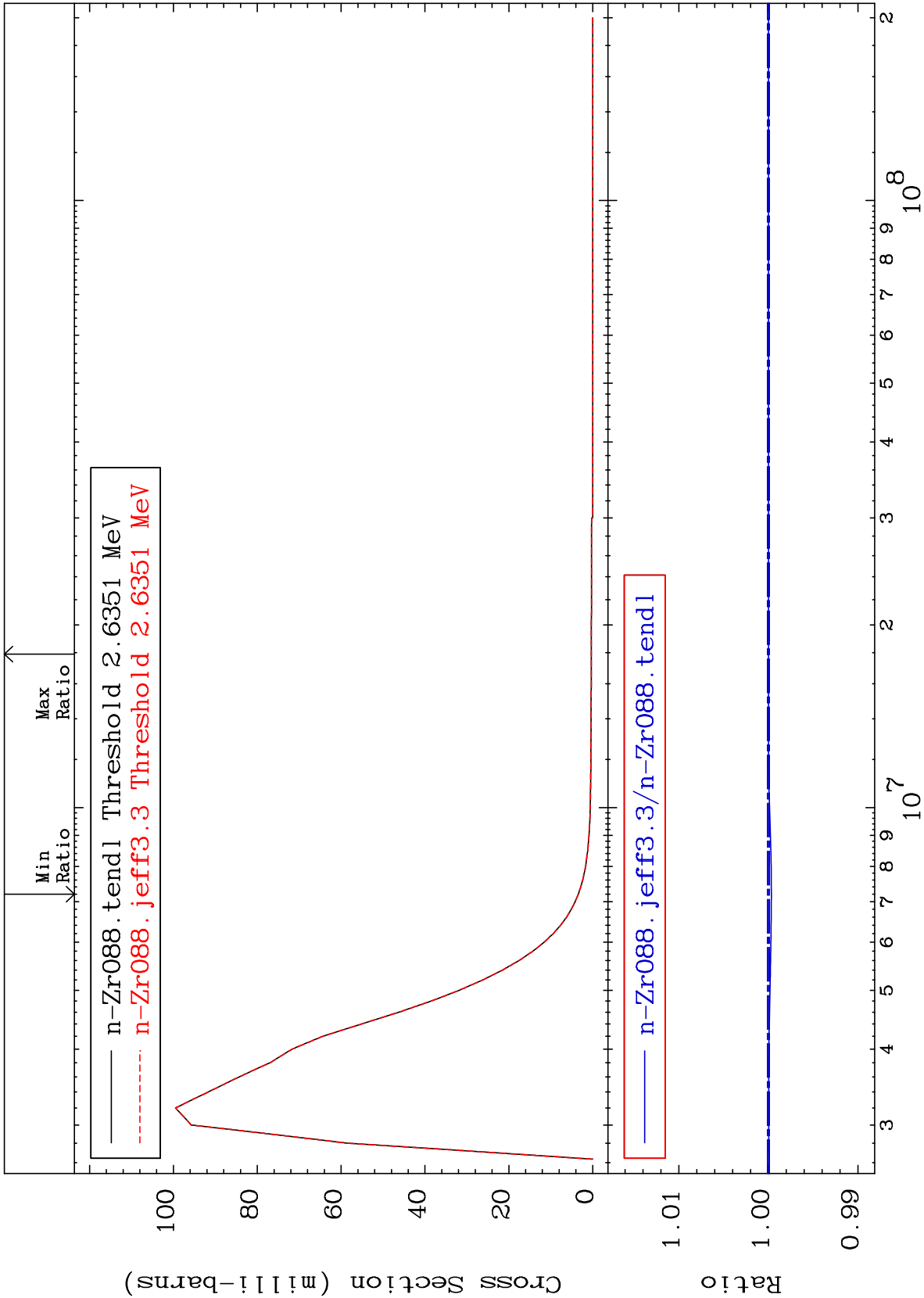


MAT 4019

MT= 59 (n,n') Level

40-Zr-88

Cross Section
-0.033 To 0.000 %



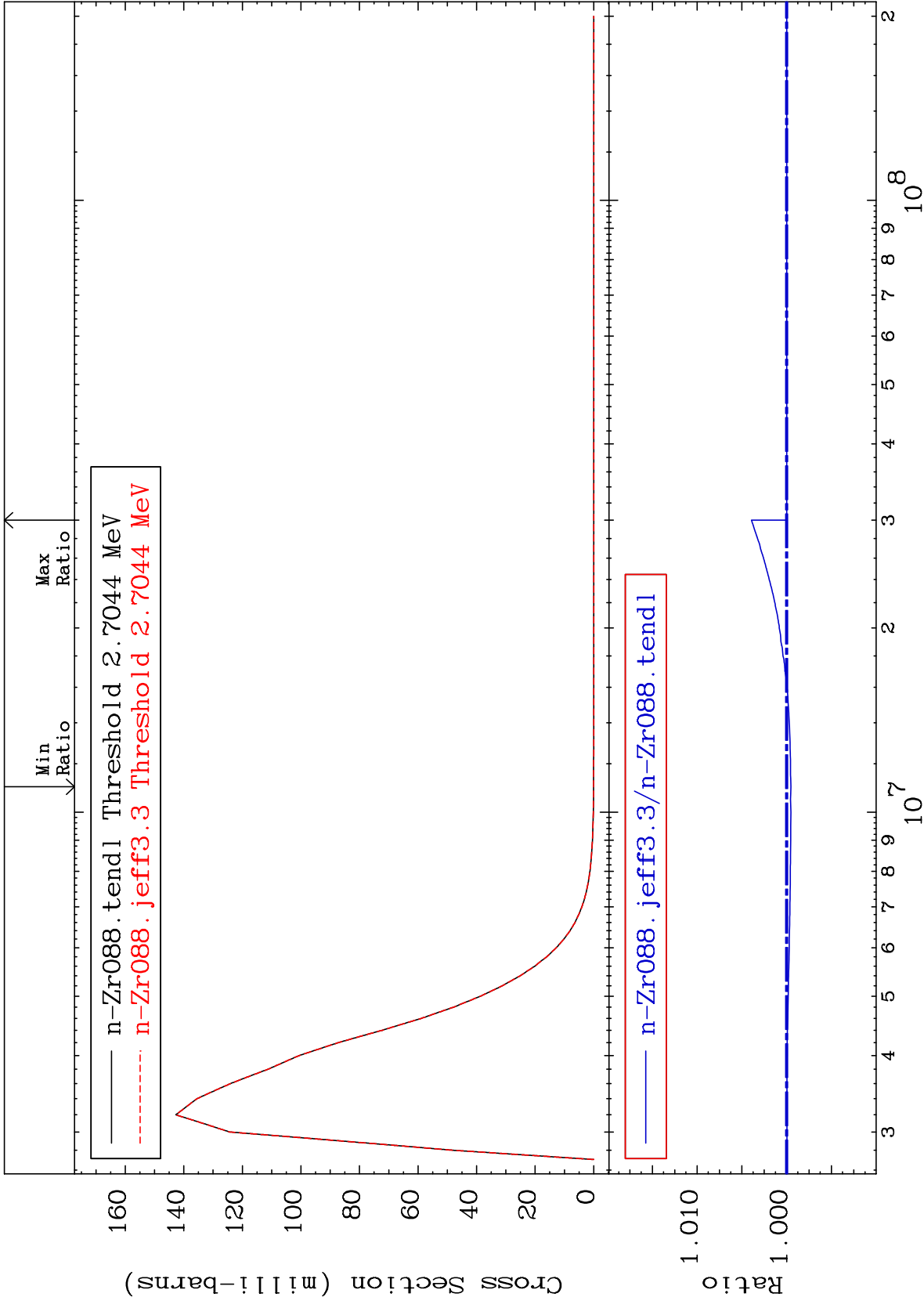
24

Incident Energy (eV)

40-Zr-88

-0.048 To 0.393 %

Cross Section



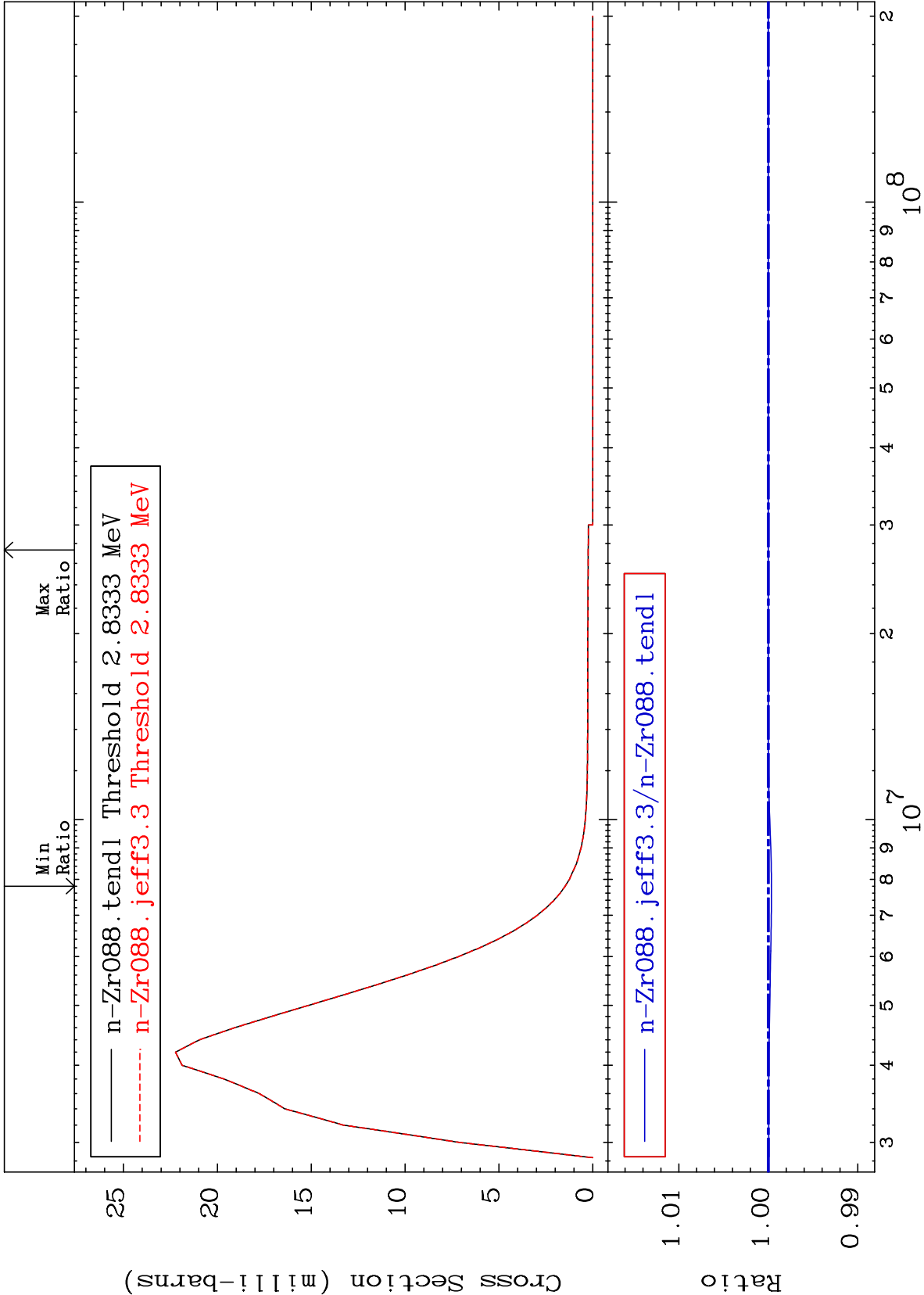
MAT 4019

MT= 61 (n,n') Level

40-Zr-88

-0.036 To 0.000 %

Cross Section



26

Incident Energy (eV)

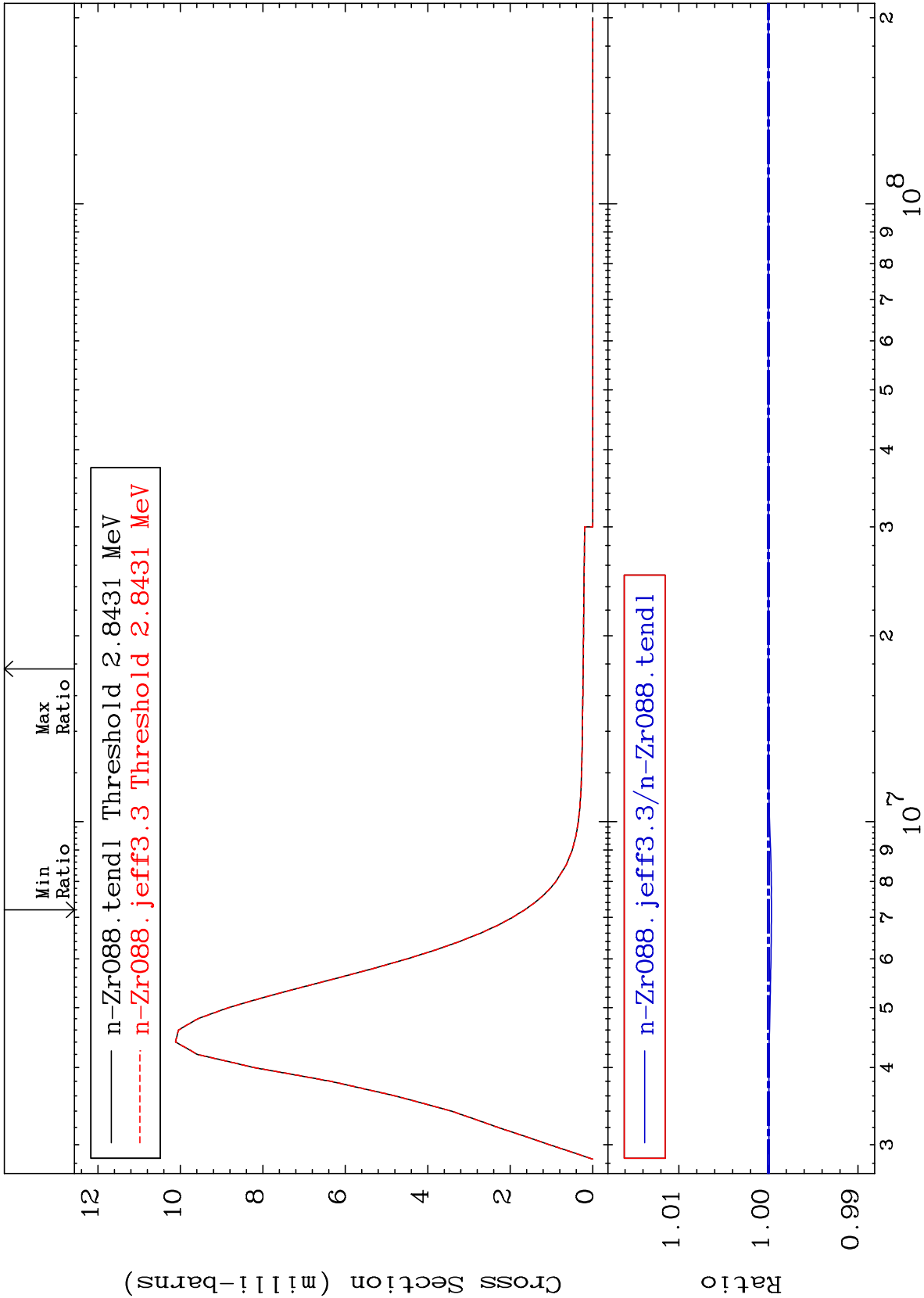
40-Zr-88

MAT 4019

MT= 62 (n,n') Level

40-Zr-88

Cross Section
-0.033 To 0.000 %



27

Incident Energy (eV)

40-Zr-88

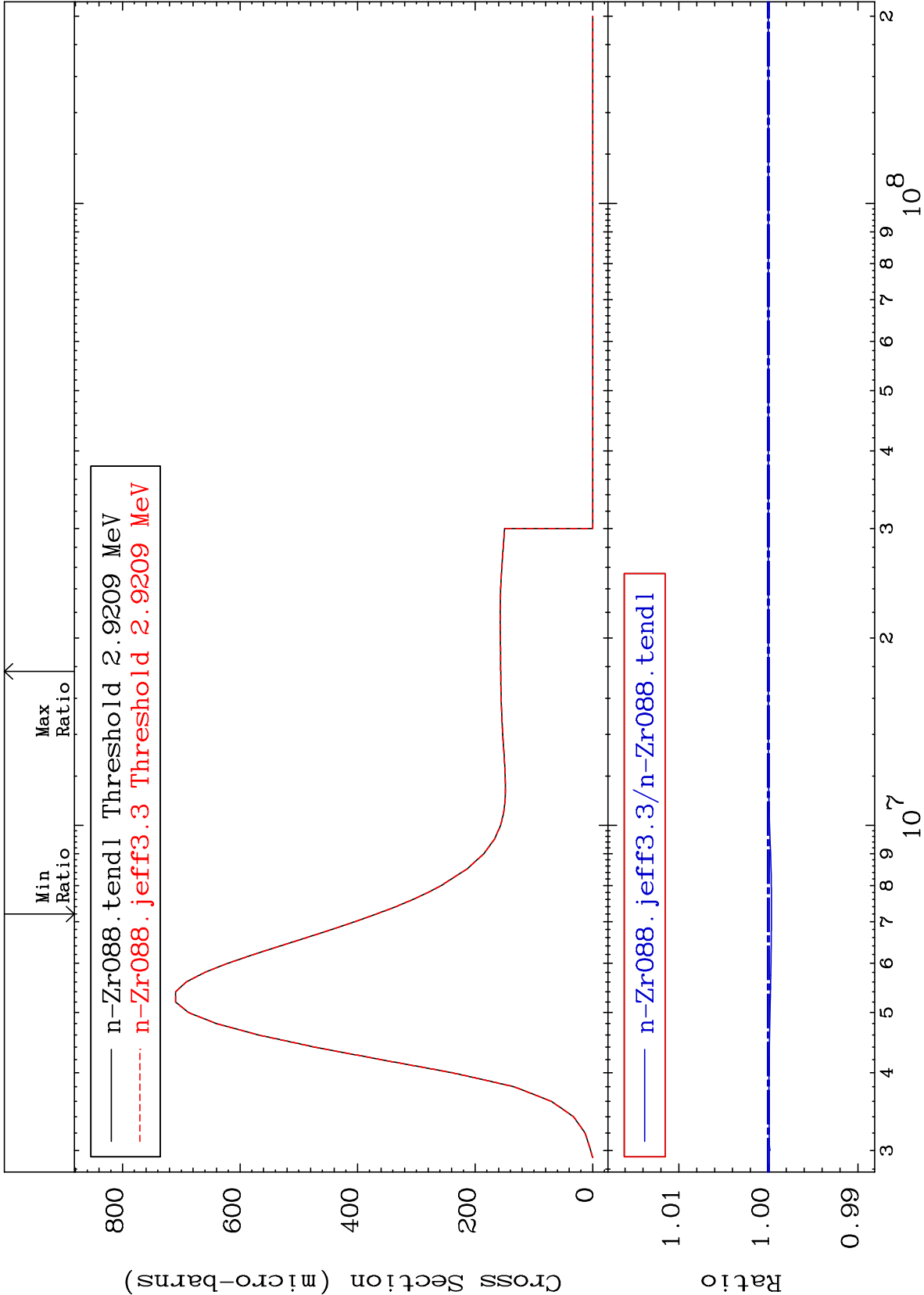
MAT 4019

MT= 63 (n,n') Level

40-Zr-88

-0.034 To 0.000 %

Cross Section



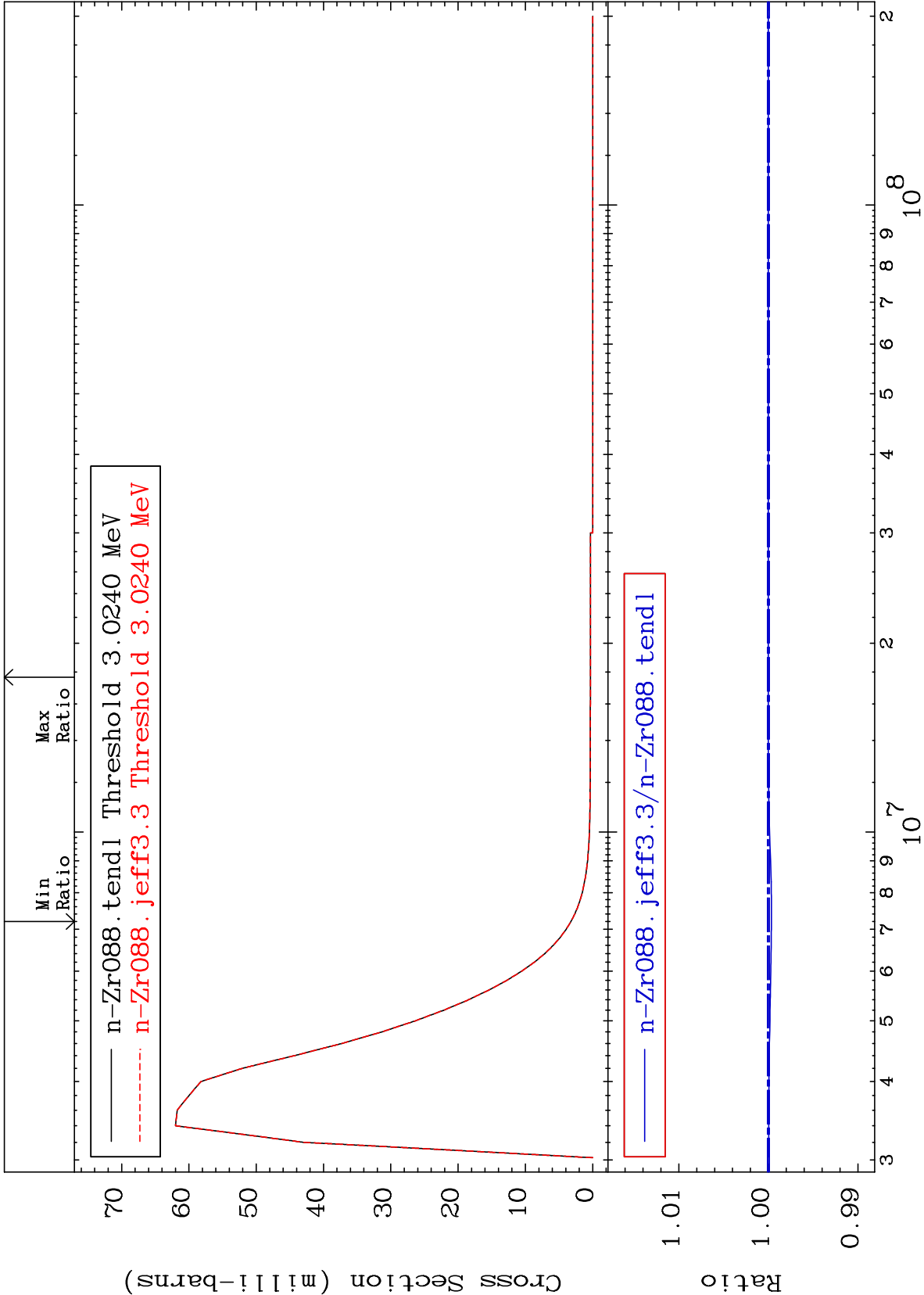
28

Incident Energy (eV)

40-Zr-88

-0.034 To 0.000 %

Cross Section



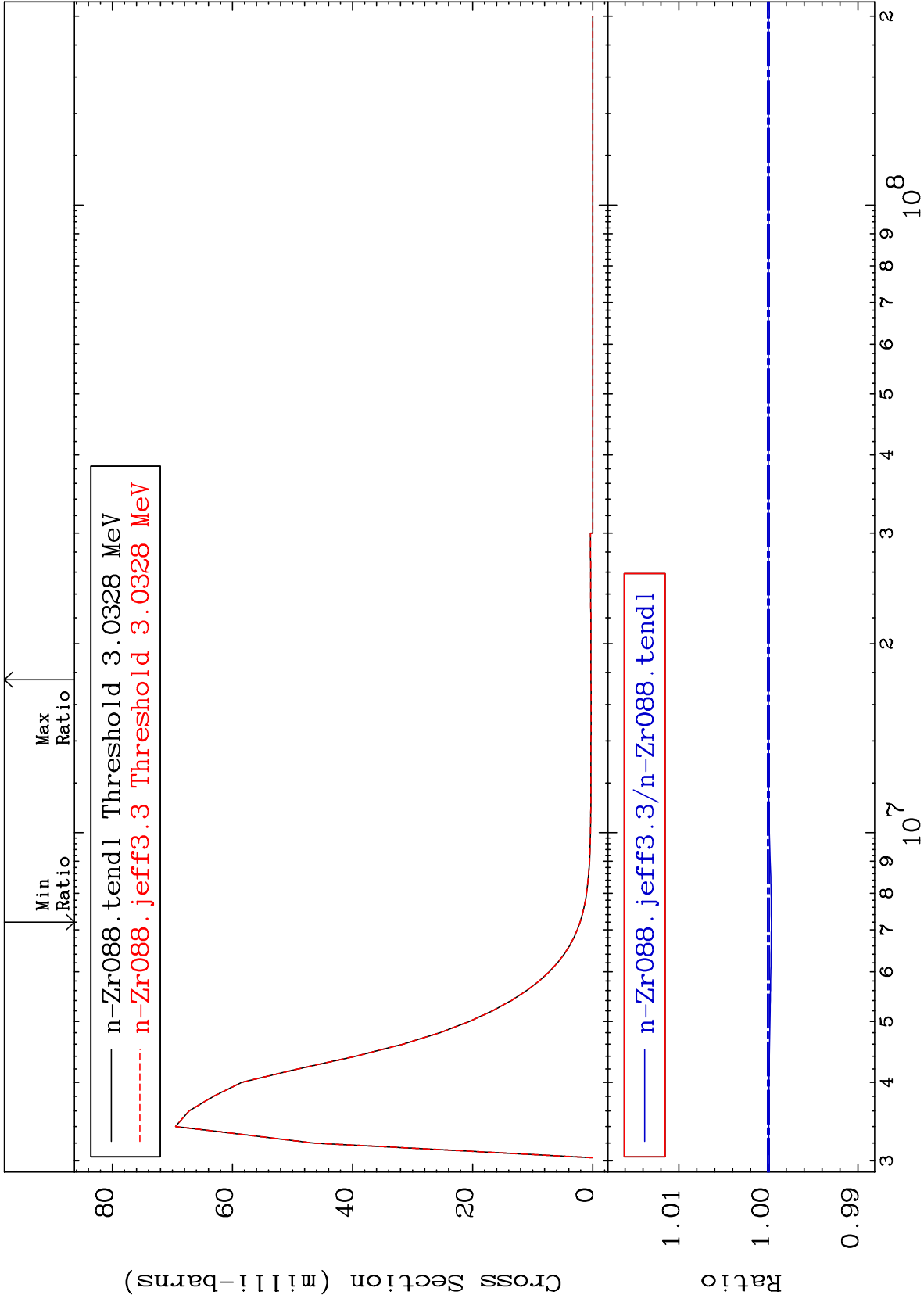
MAT 4019

MT= 65 (n,n') Level

40-Zr-88

-0.033 To 0.000 %

Cross Section



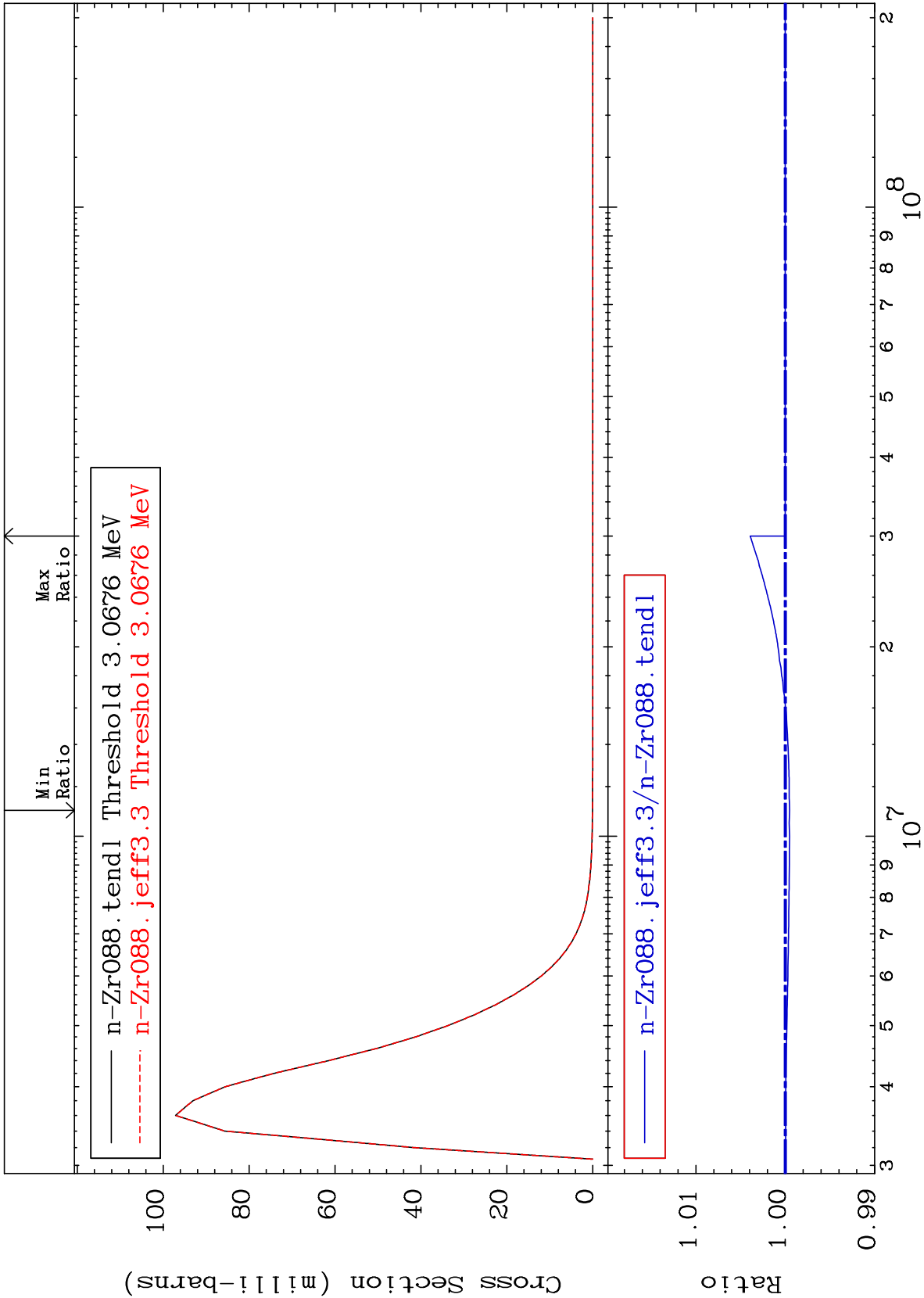
30

Incident Energy (eV)

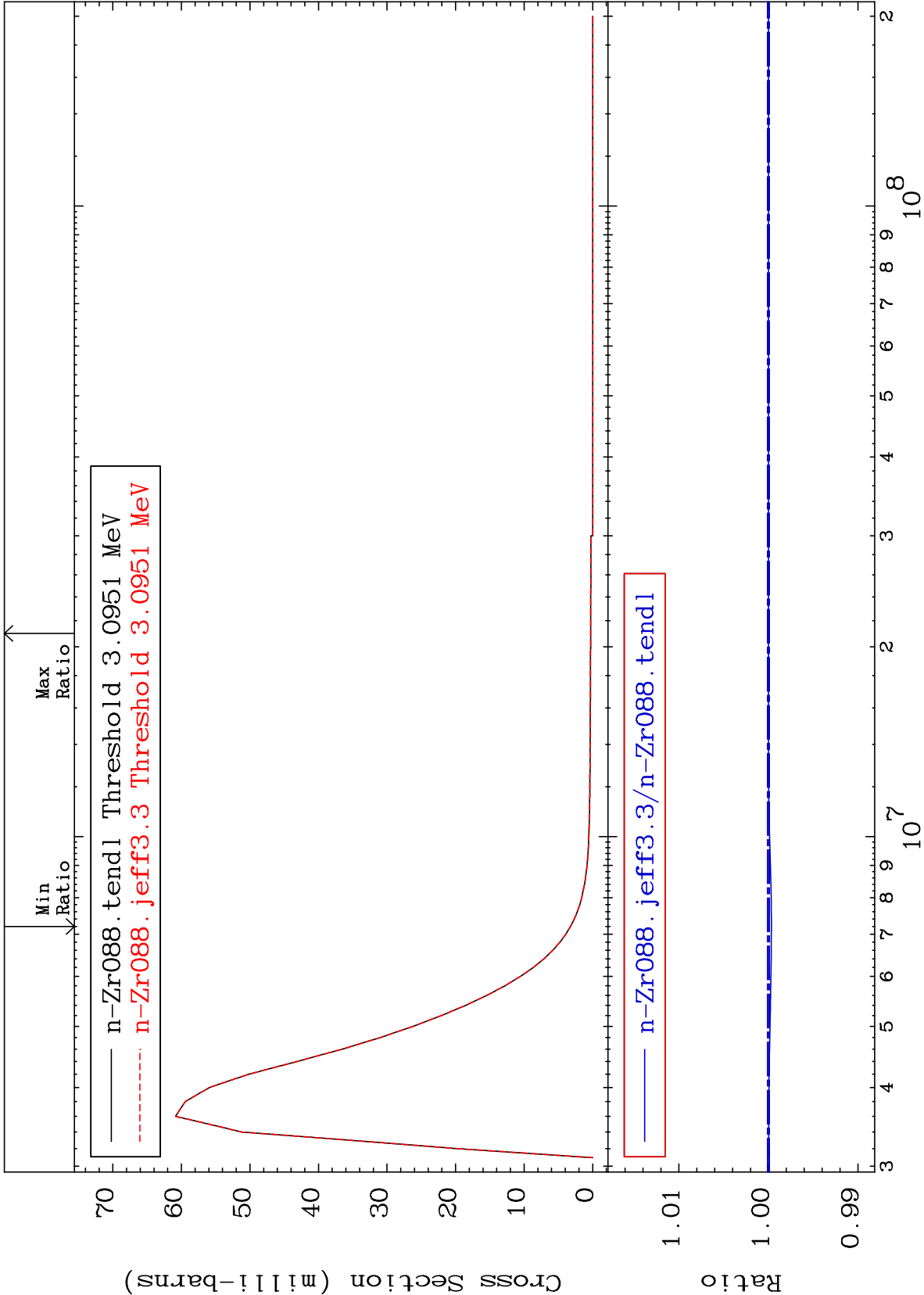
40-Zr-88

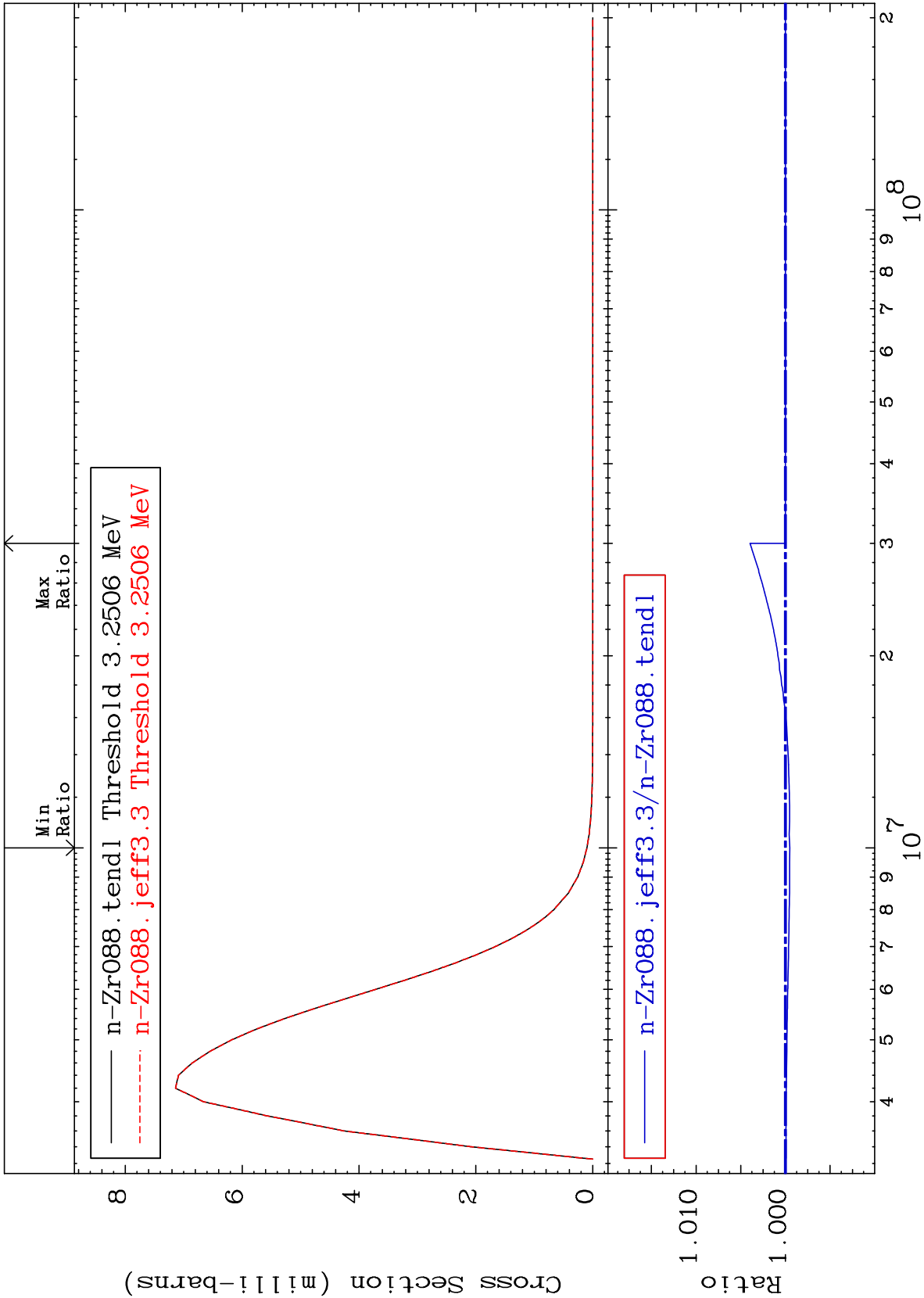
-0.048 To 0.392 %

Cross Section



Cross Section
-0.033 To 0.000 %



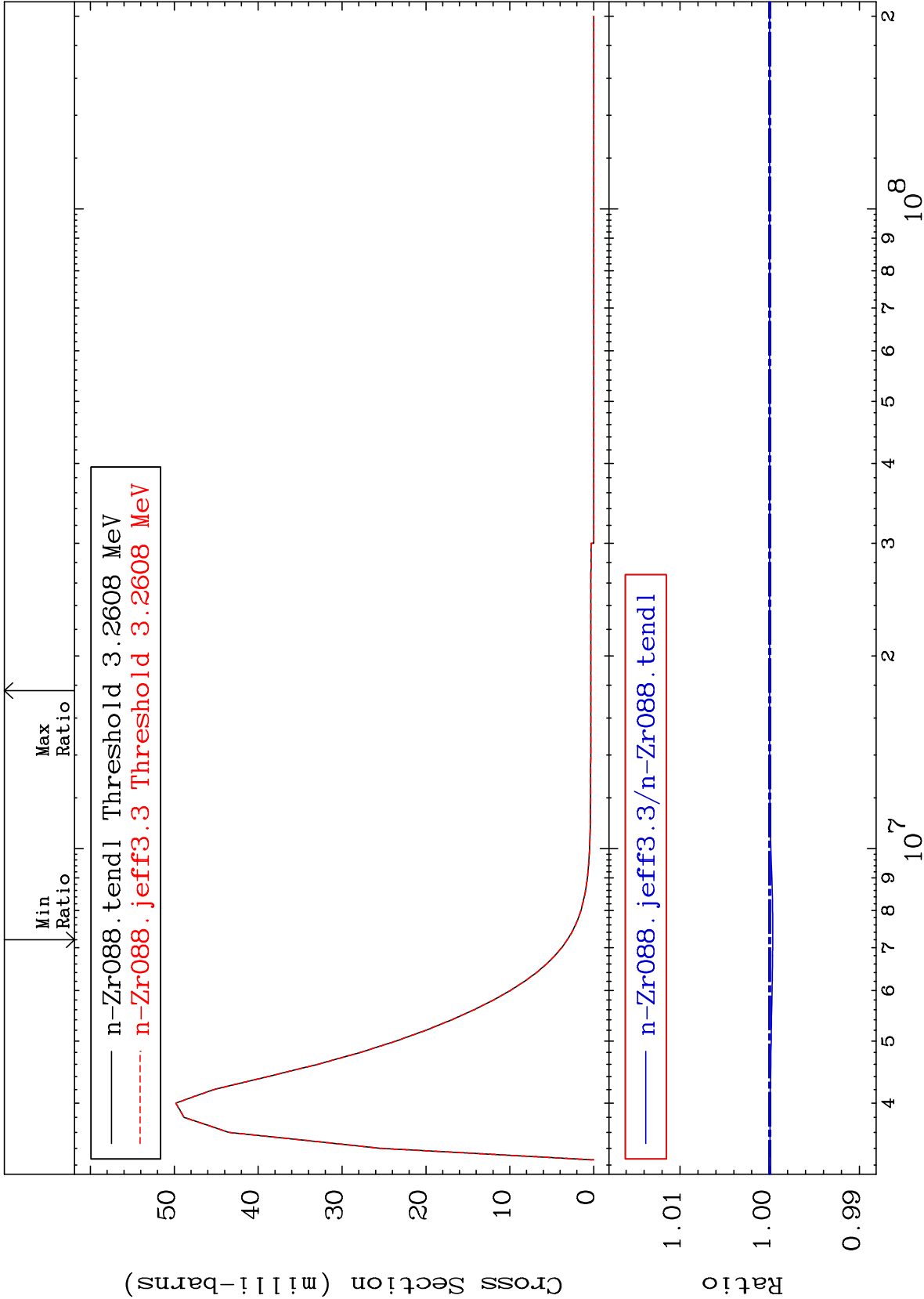


MAT 4019

MT= 69 (n,n') Level

40-Zr-88

Cross Section



34

Incident Energy (eV)

40-Zr-88

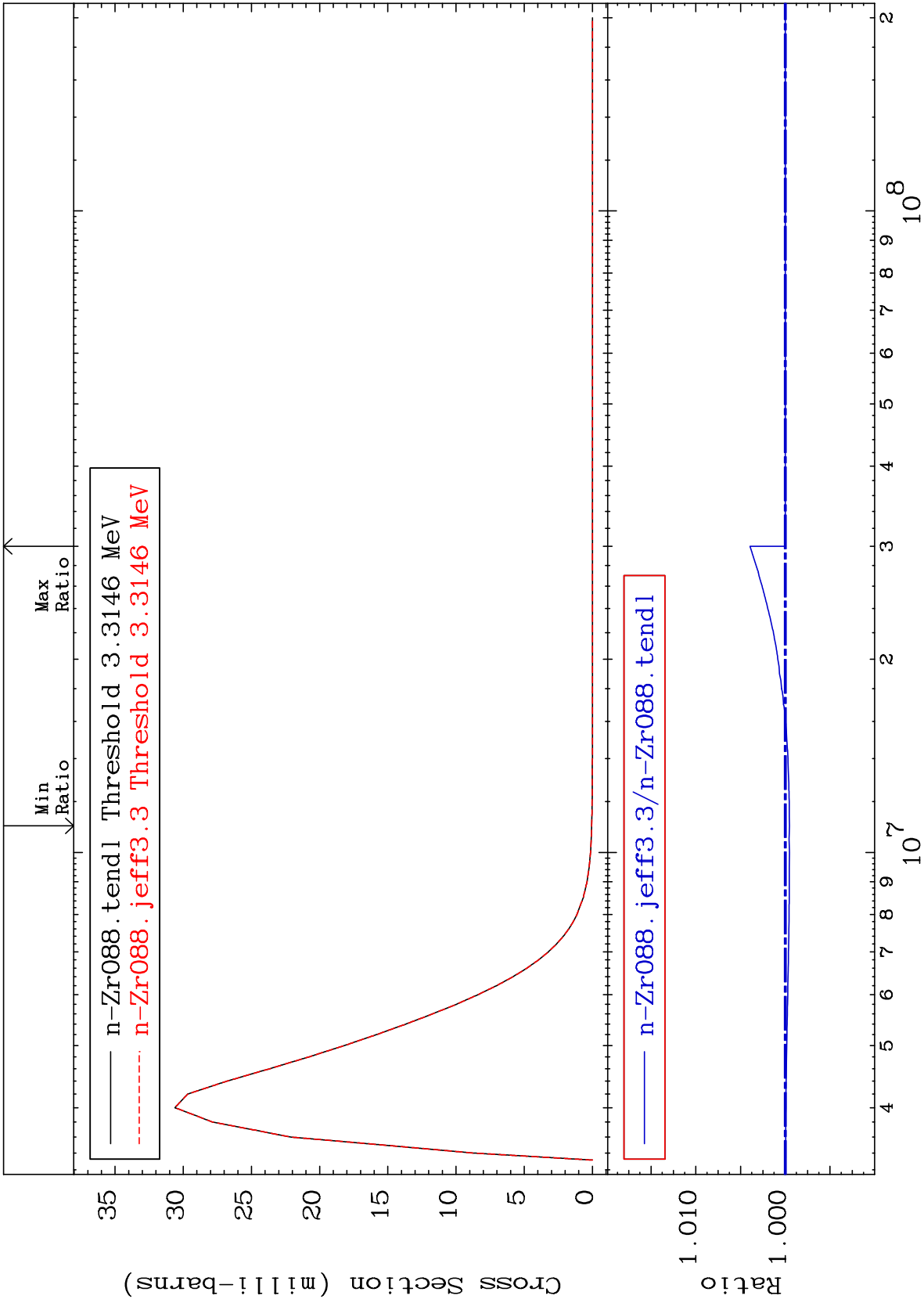
MAT 4019

MT= 70 (n,n') Level

40-Zr-88

-0.048 To 0.394 %

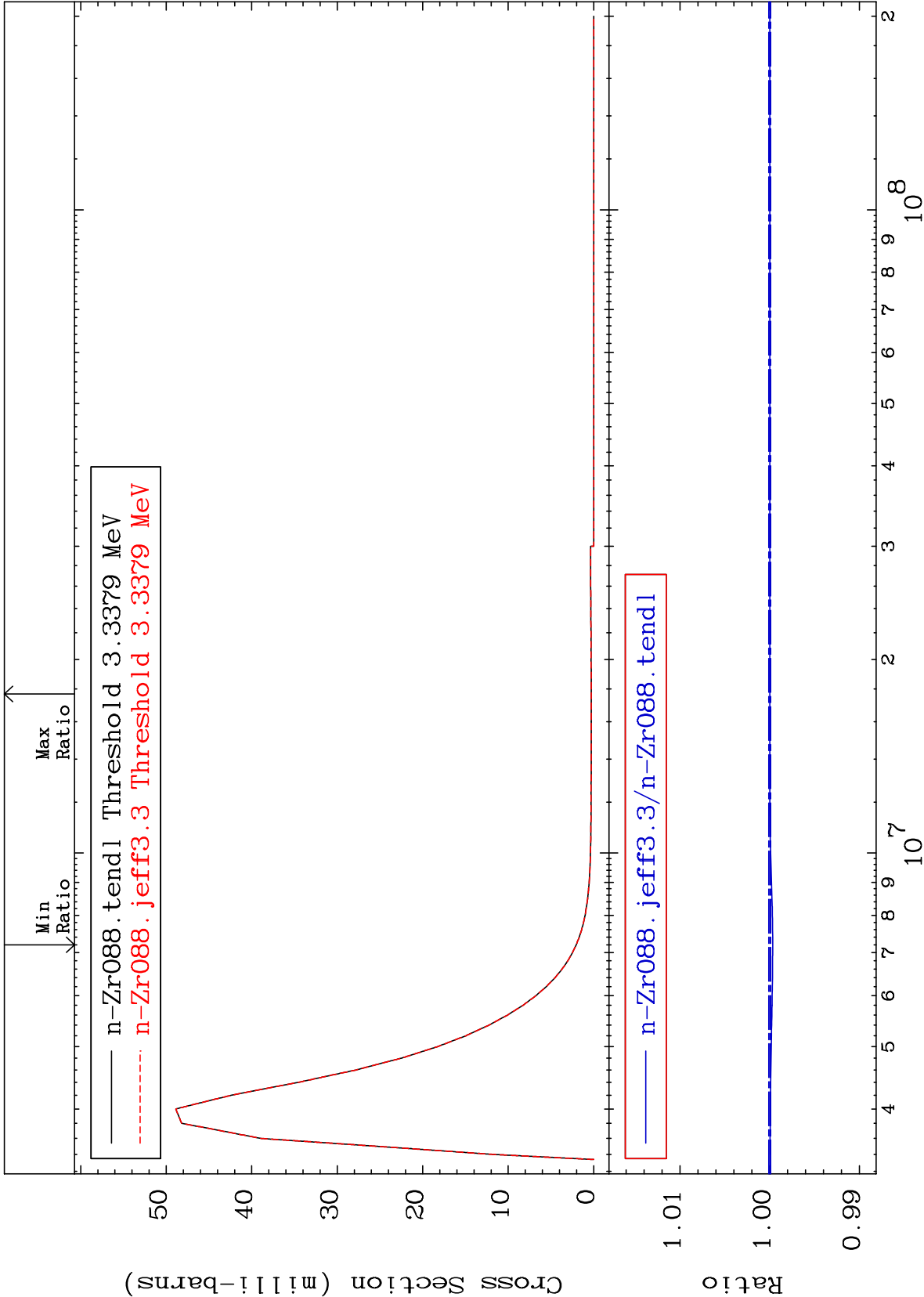
Cross Section



35

Incident Energy (eV)

40-Zr-88



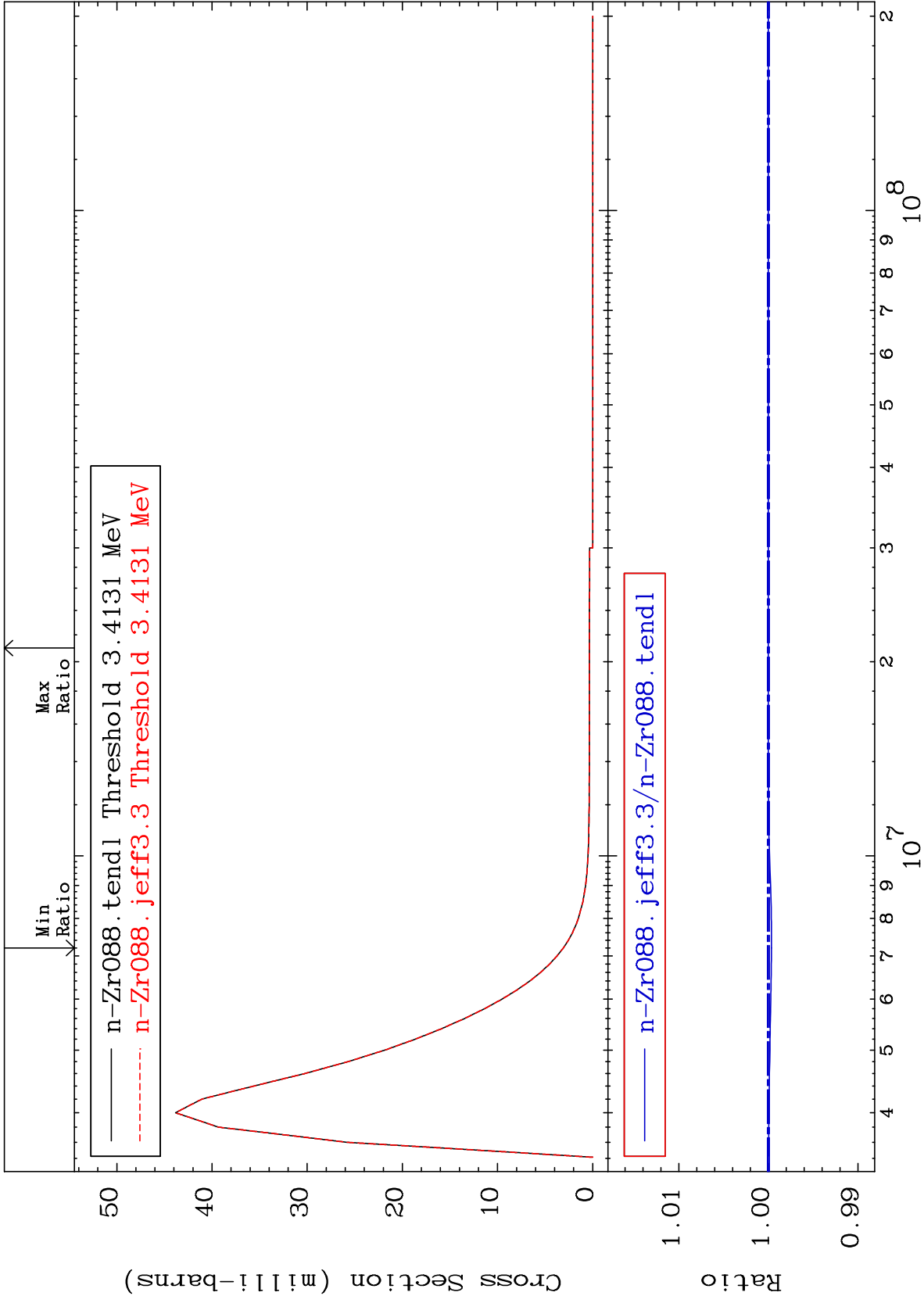
MAT 4019

MT= 72 (n,n') Level

40-Zr-88

Cross Section

-0.034 To 0.000 %



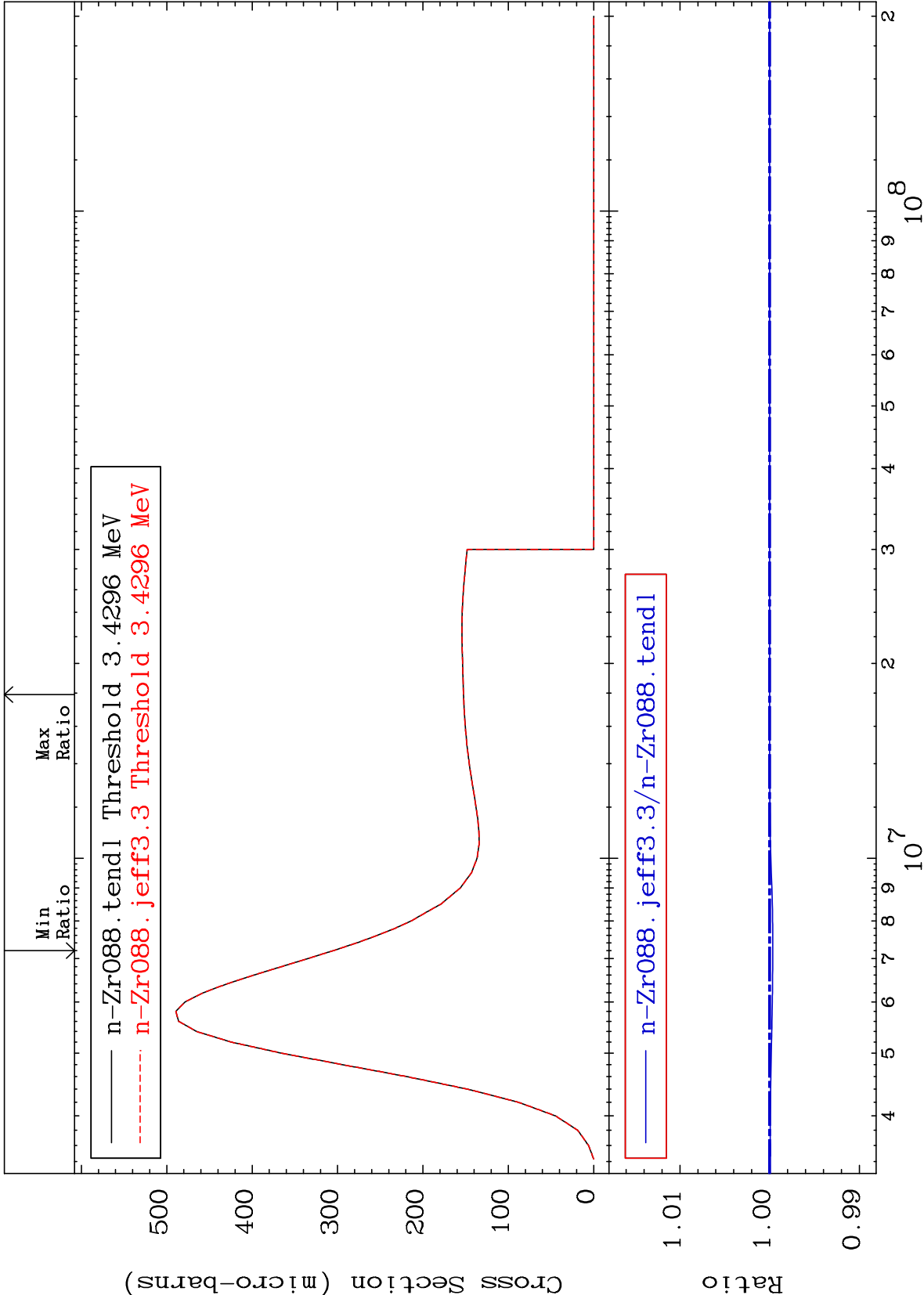
MAT 4019

MT= 73 (n,n') Level

40-Zr-88

-0.035 To 0.000 %

Cross Section



38

Incident Energy (eV)

40-Zr-88

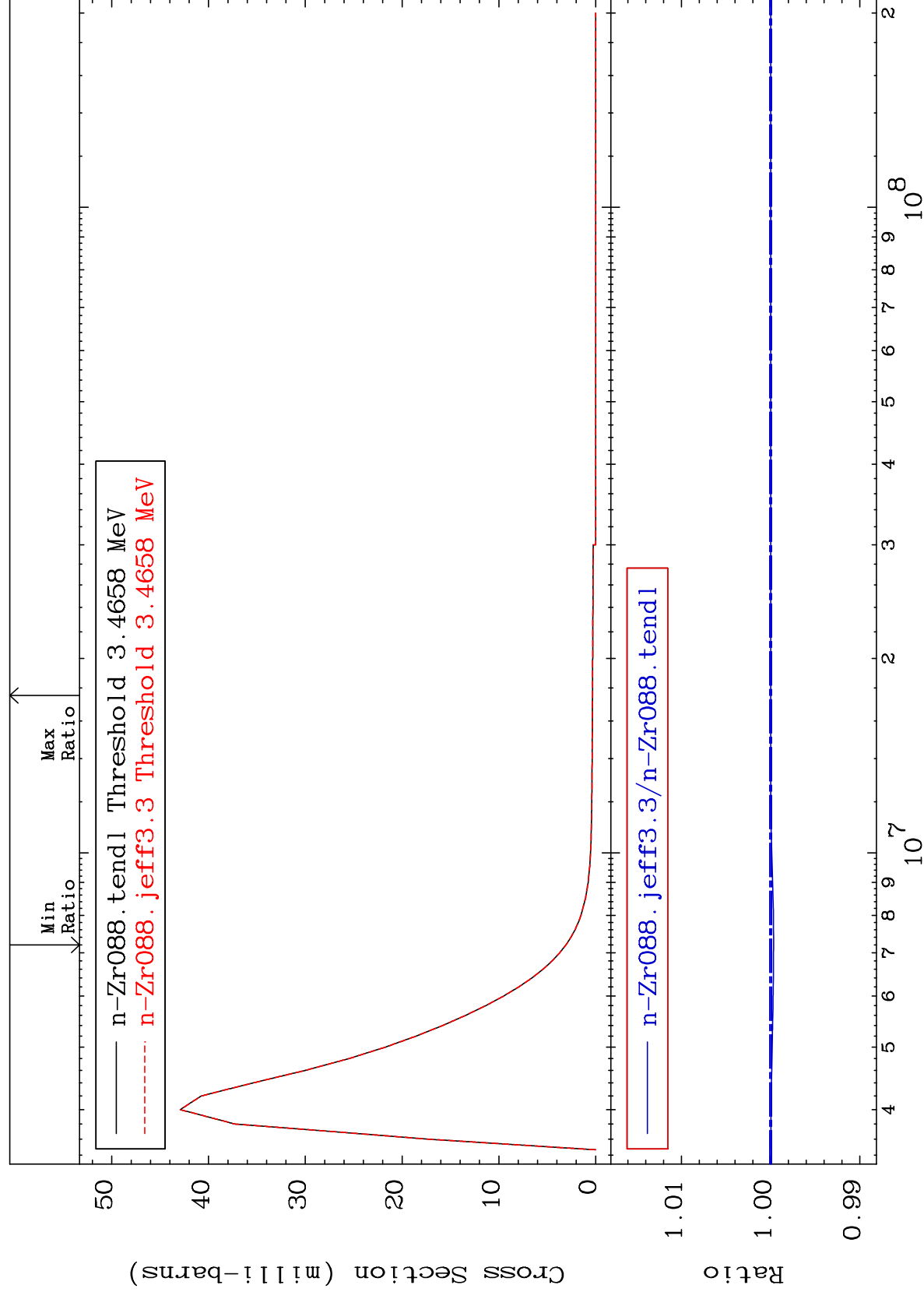
MAT 4019

MT=74 (n,n') Level

40-Zr-88

-0.033 To 0.000 %

Cross Section



39

Incident Energy (eV)

40-Zr-88

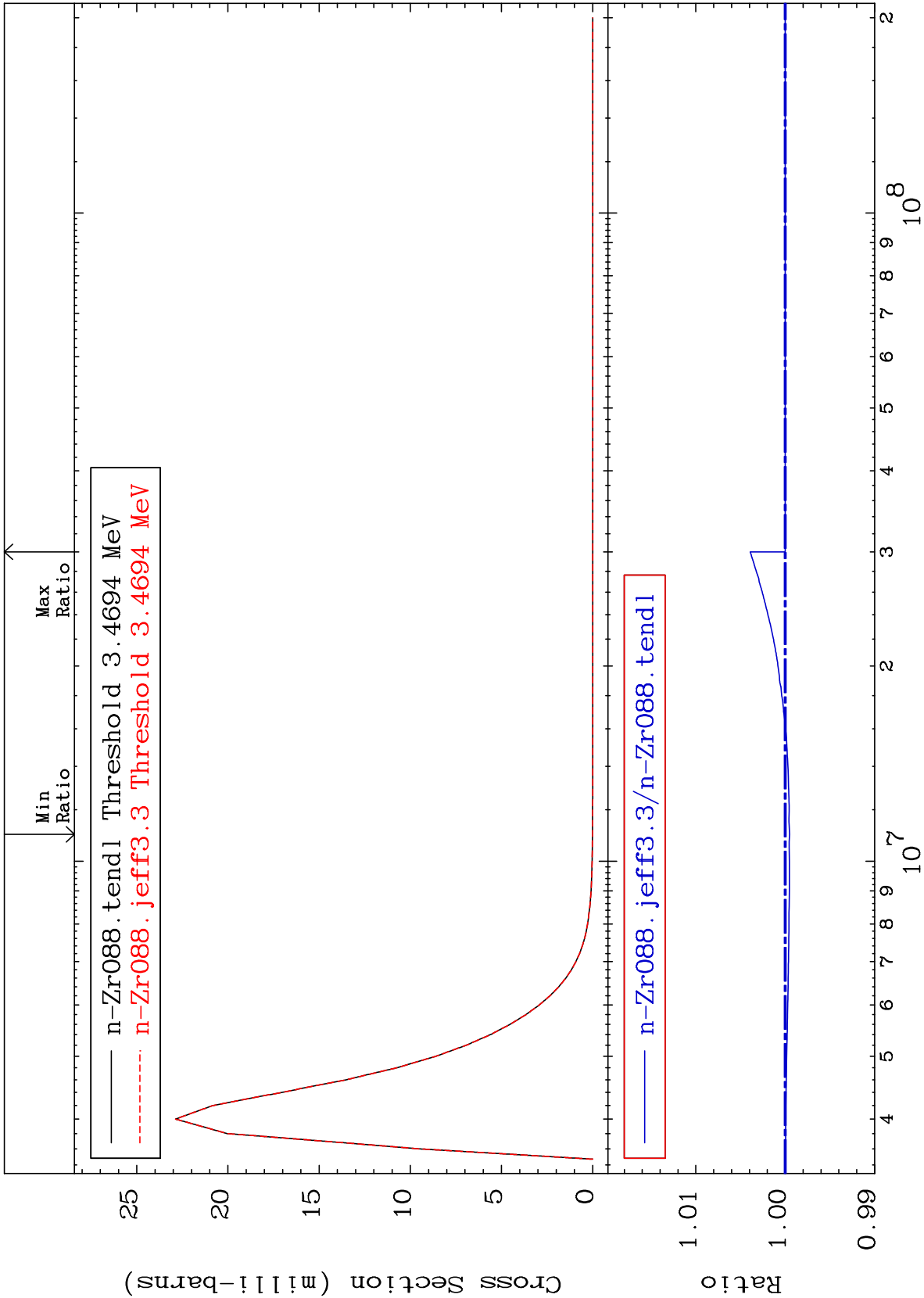
MAT 4019

MT= 75 (n,n') Level

40-Zr-88

Cross Section

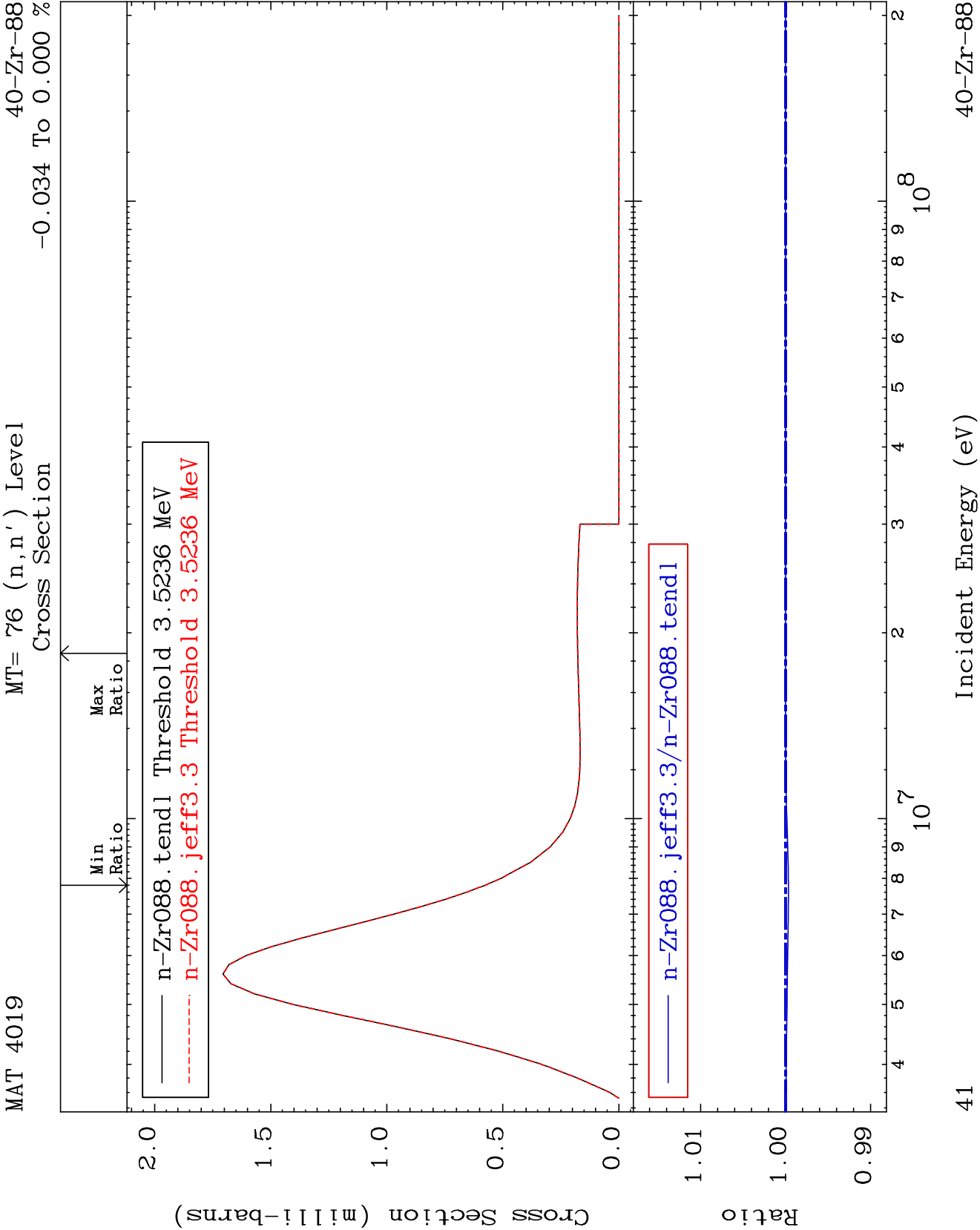
-0.049 To 0.392 %



40

Incident Energy (eV)

40-Zr-88

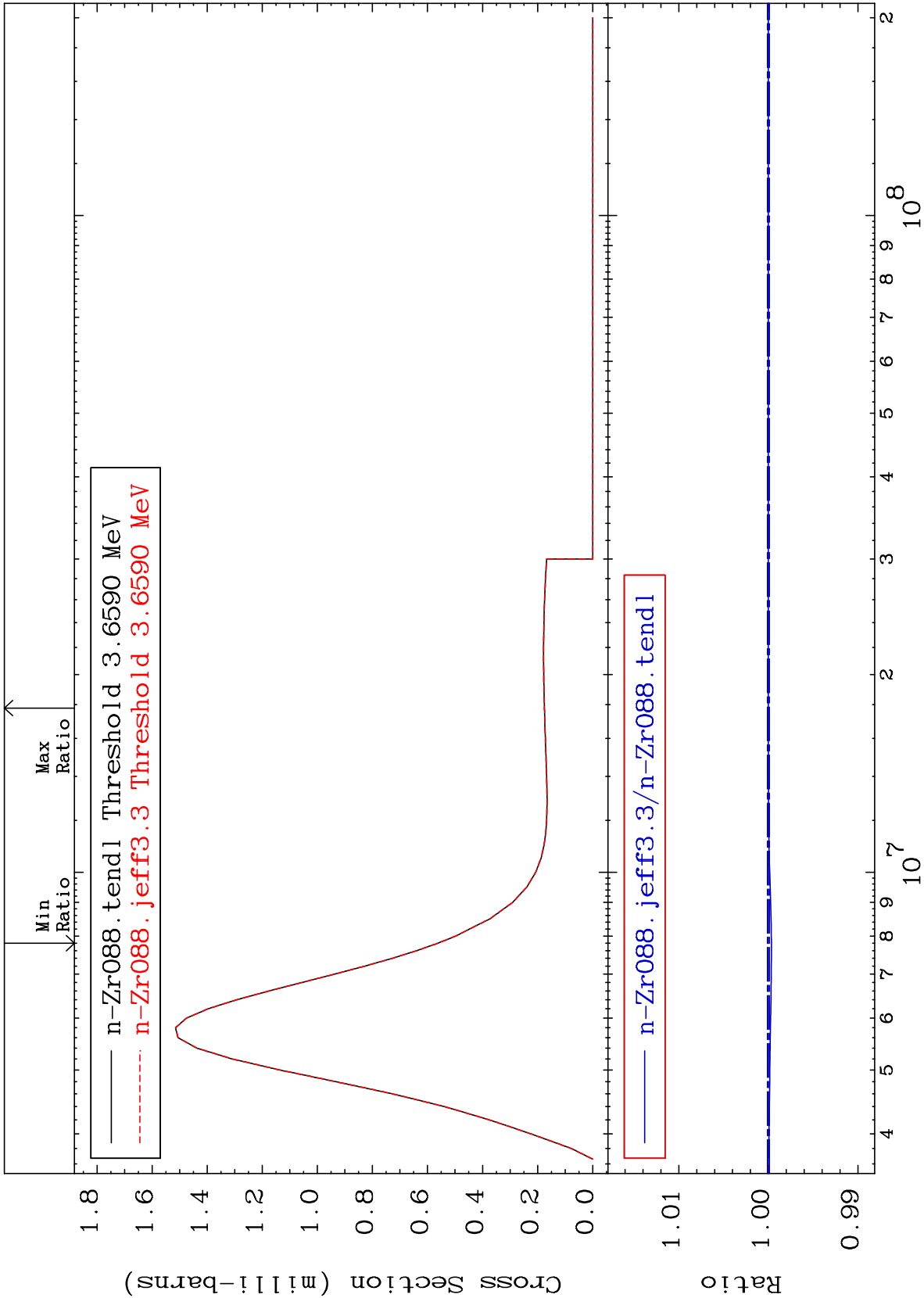


MAT 4019

MT= 78 (n,n') Level

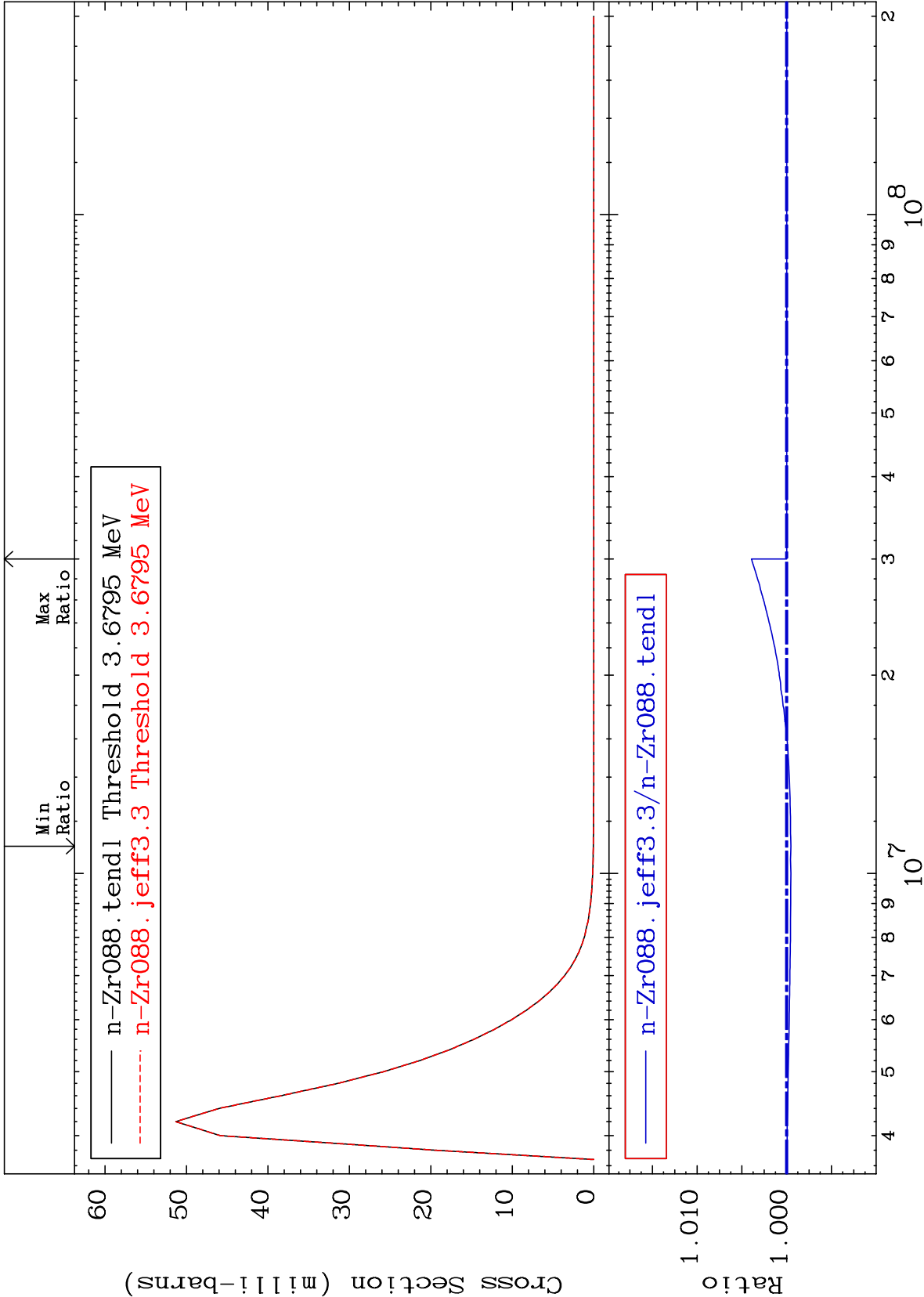
40-Zr-88

Cross Section
-0.034 To 0.000 %



-0.048 To 0.393 %

Cross Section



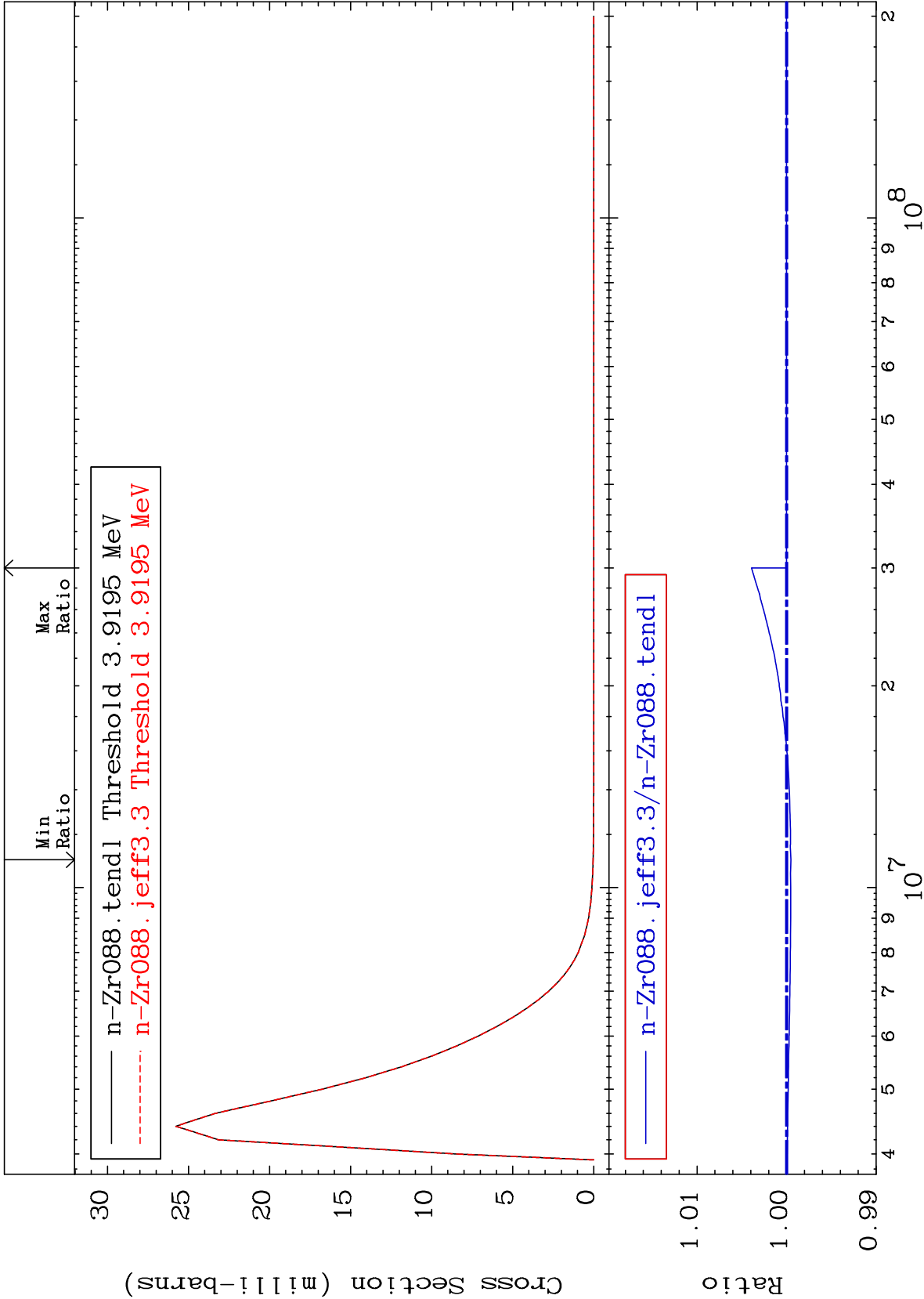
MAT 4019

MT= 80 (n,n') Level

40-Zr-88

-0.048 To 0.392 %

Cross Section



45

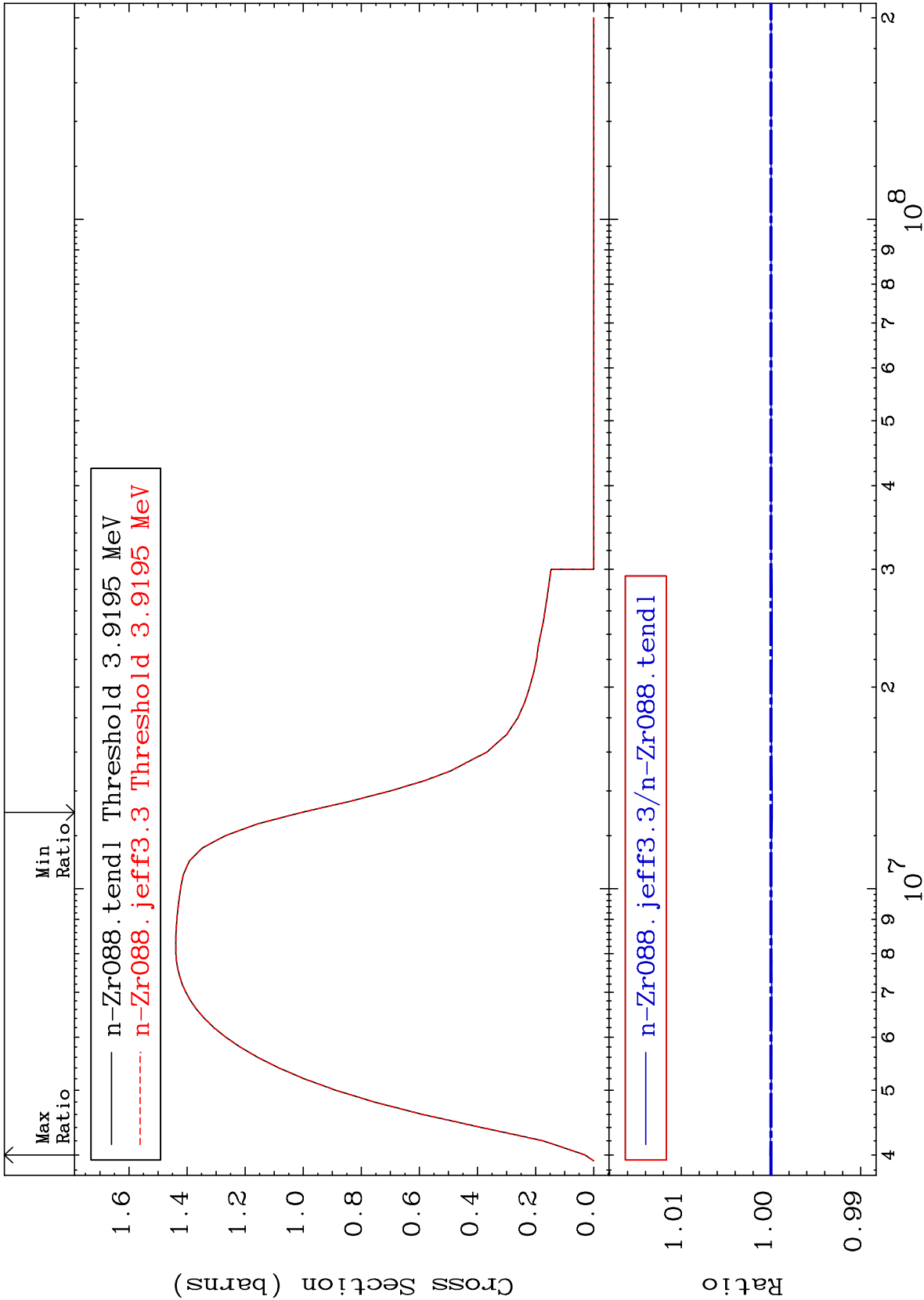
Incident Energy (eV)

40-Zr-88

MAT 4019

(n,n') Continuum
Cross Section

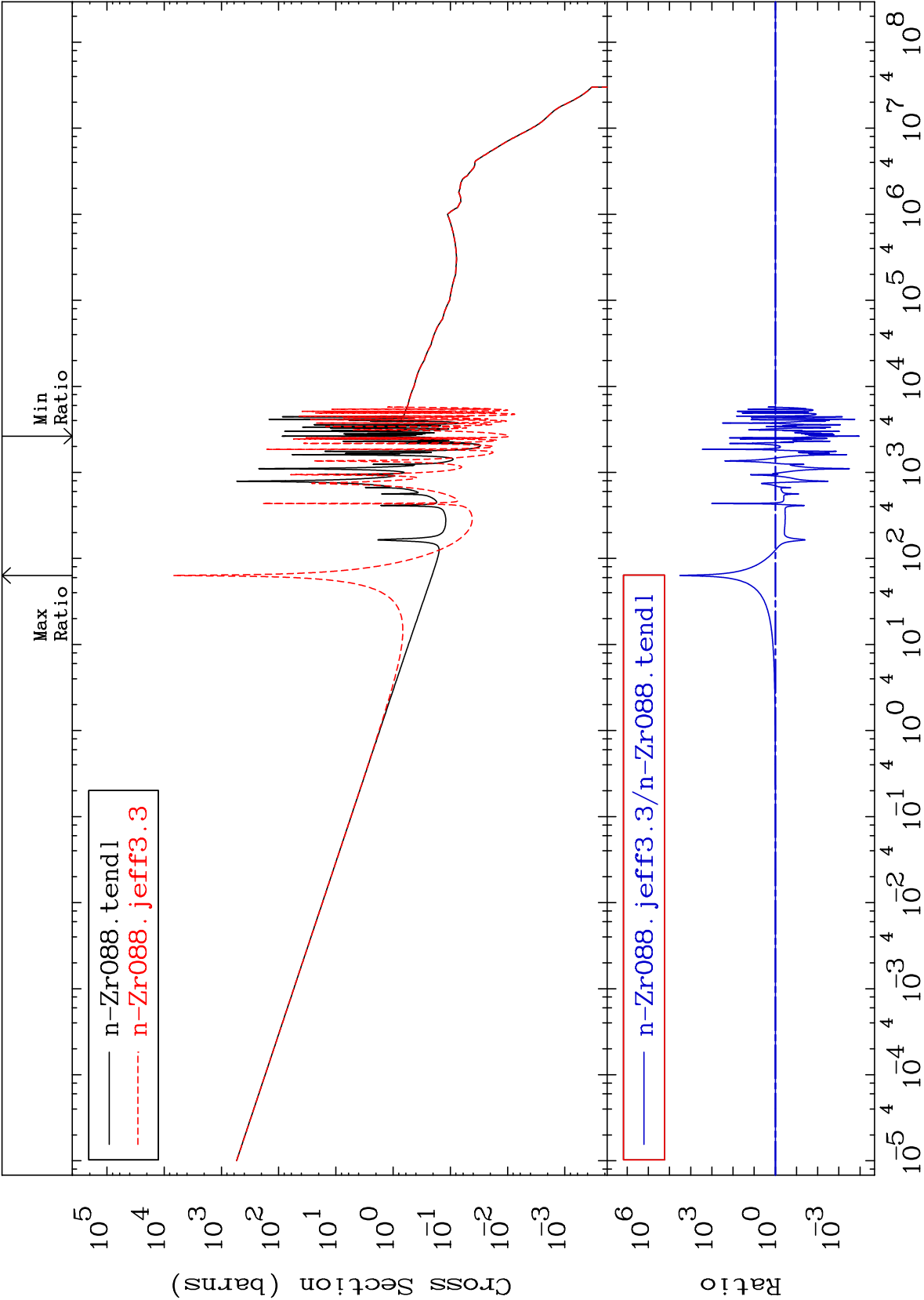
40-Zr-88
-0.015 To 0.011 %

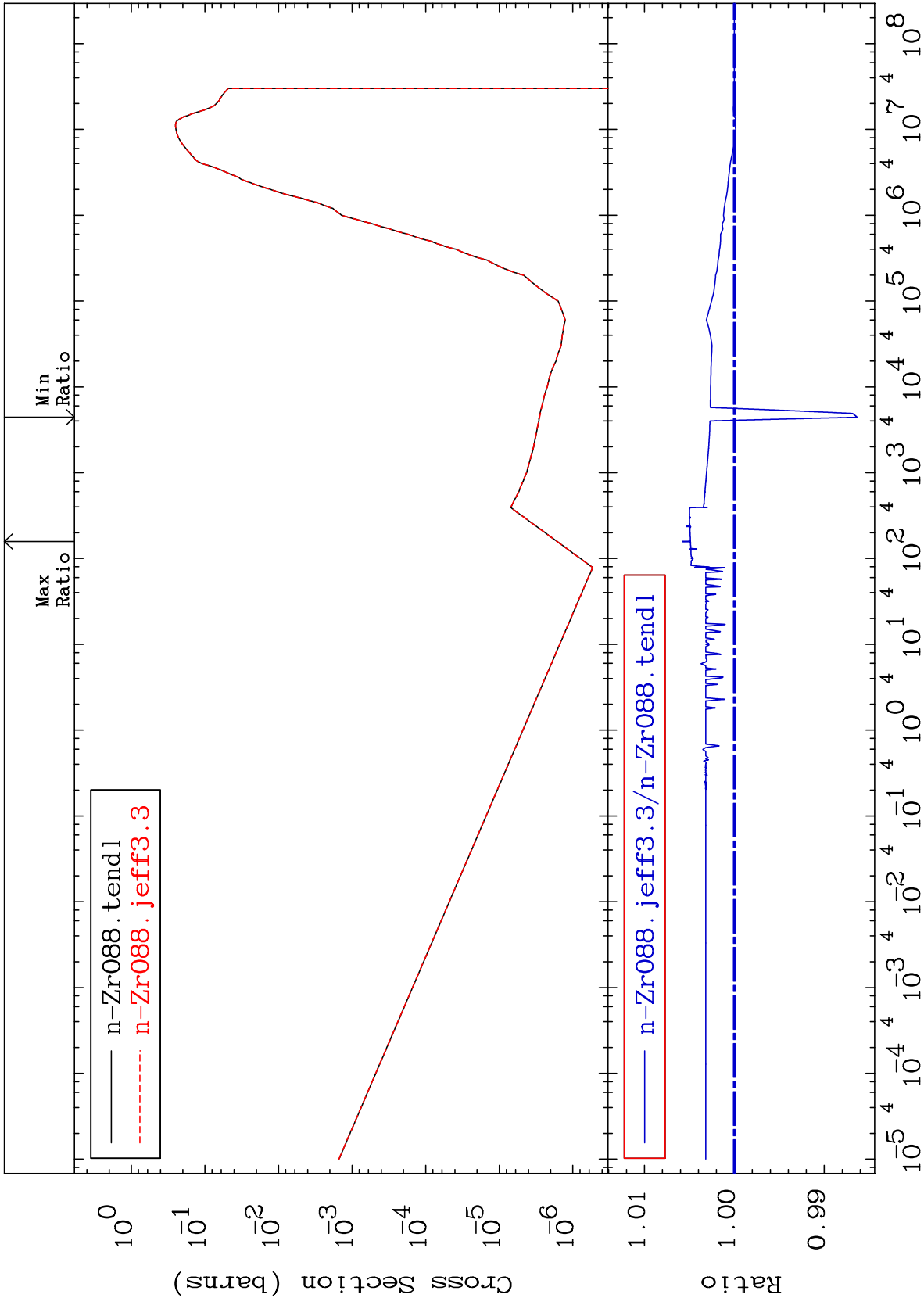


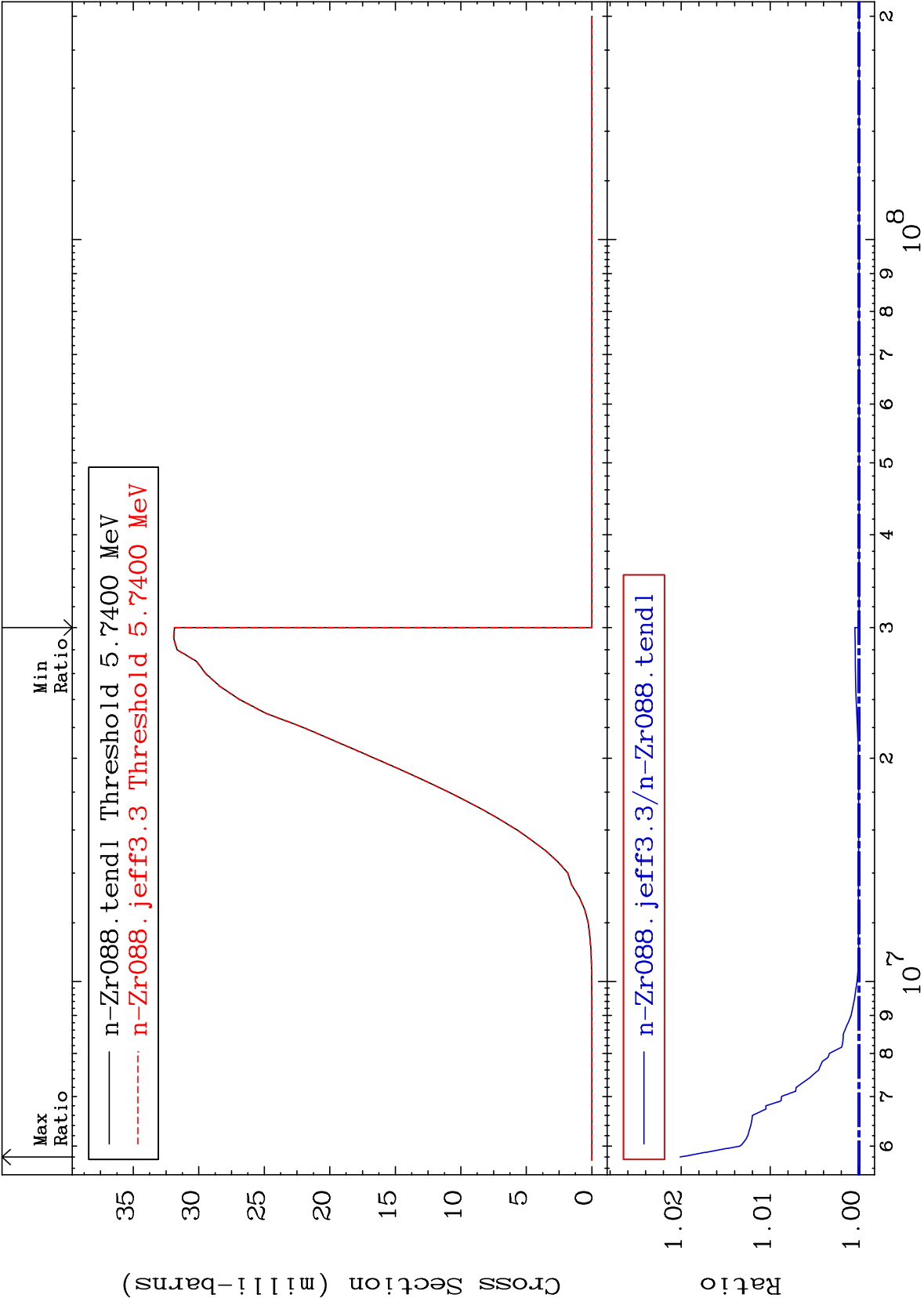
46

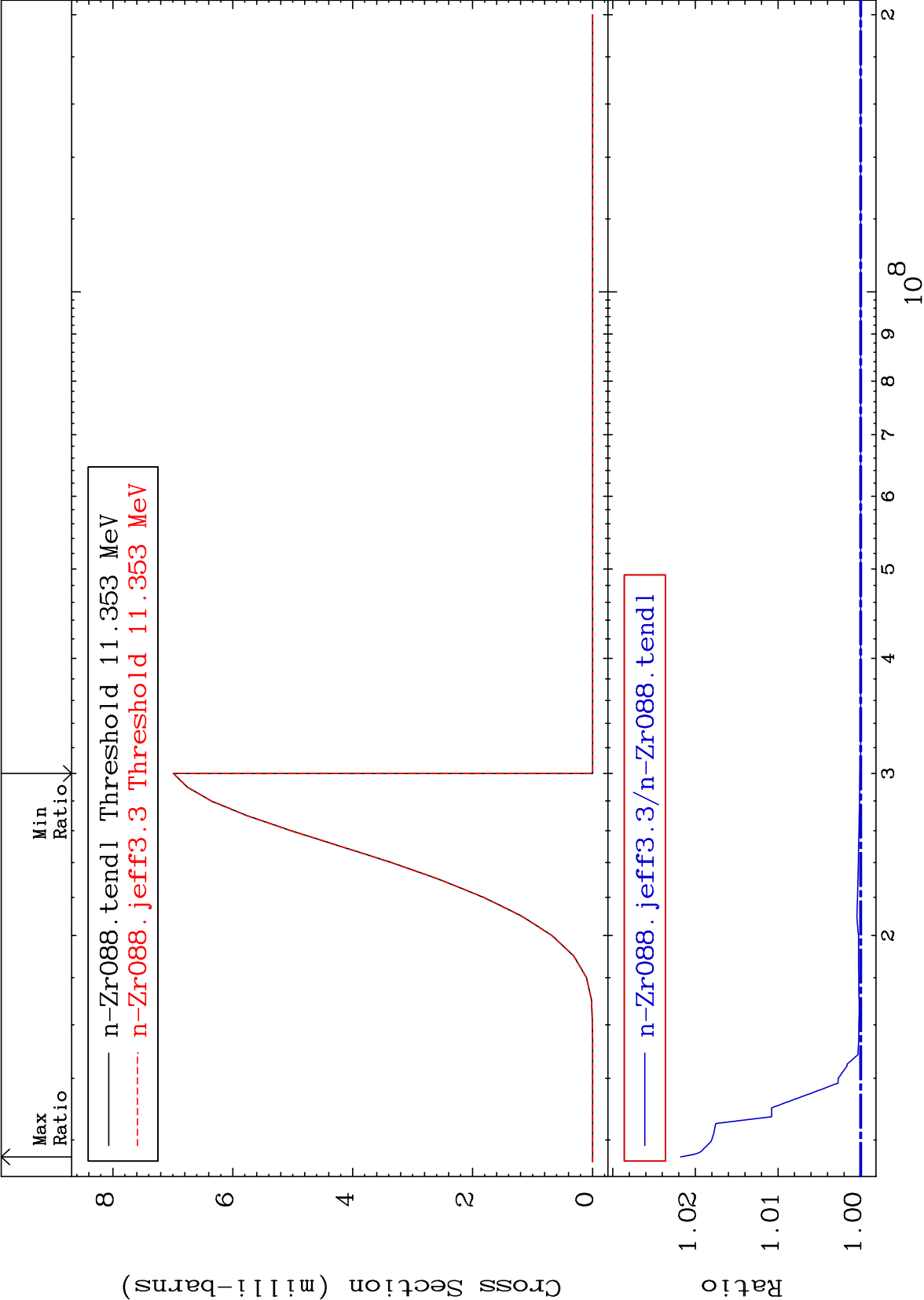
Incident Energy (eV)

40-Zr-88



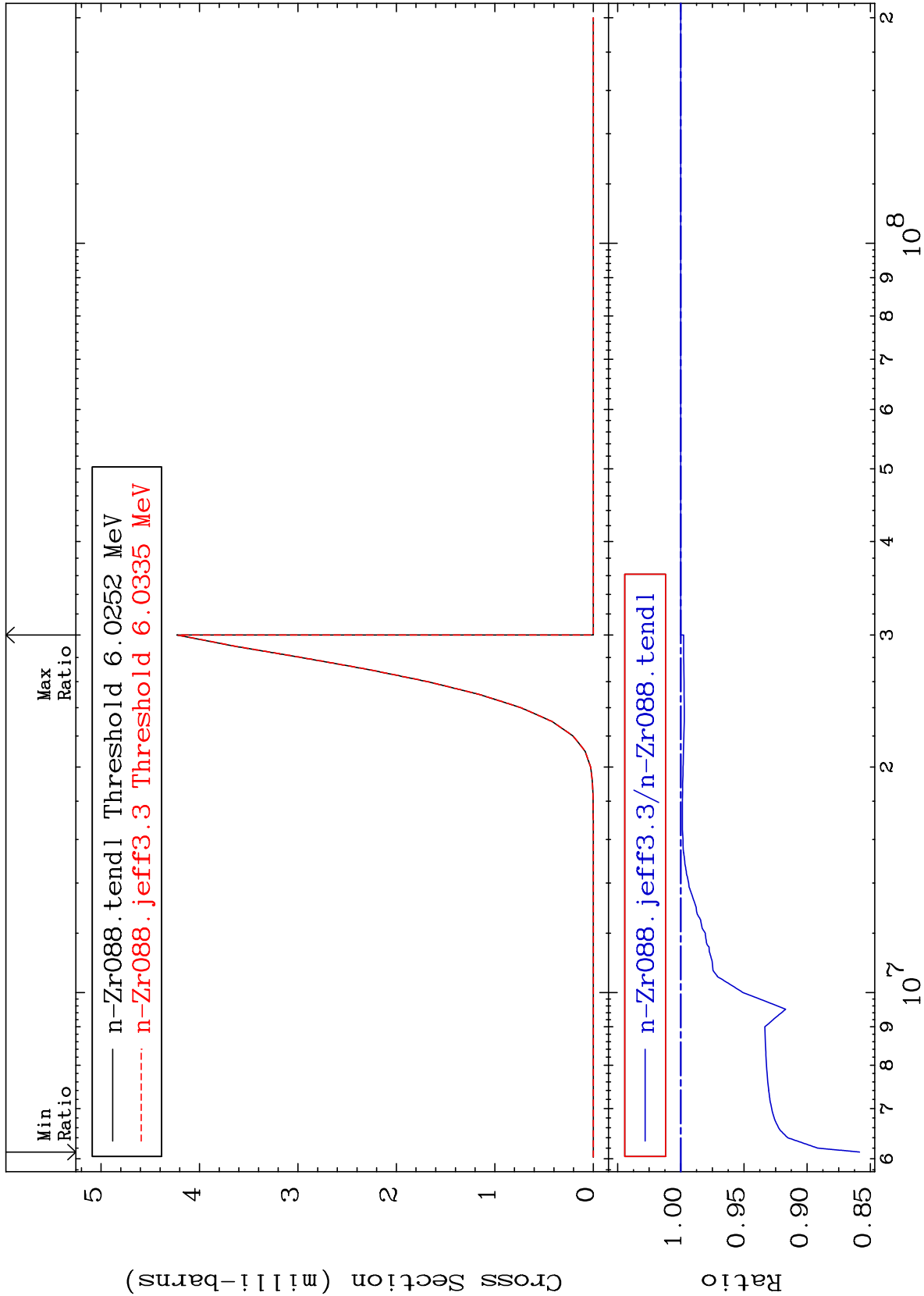






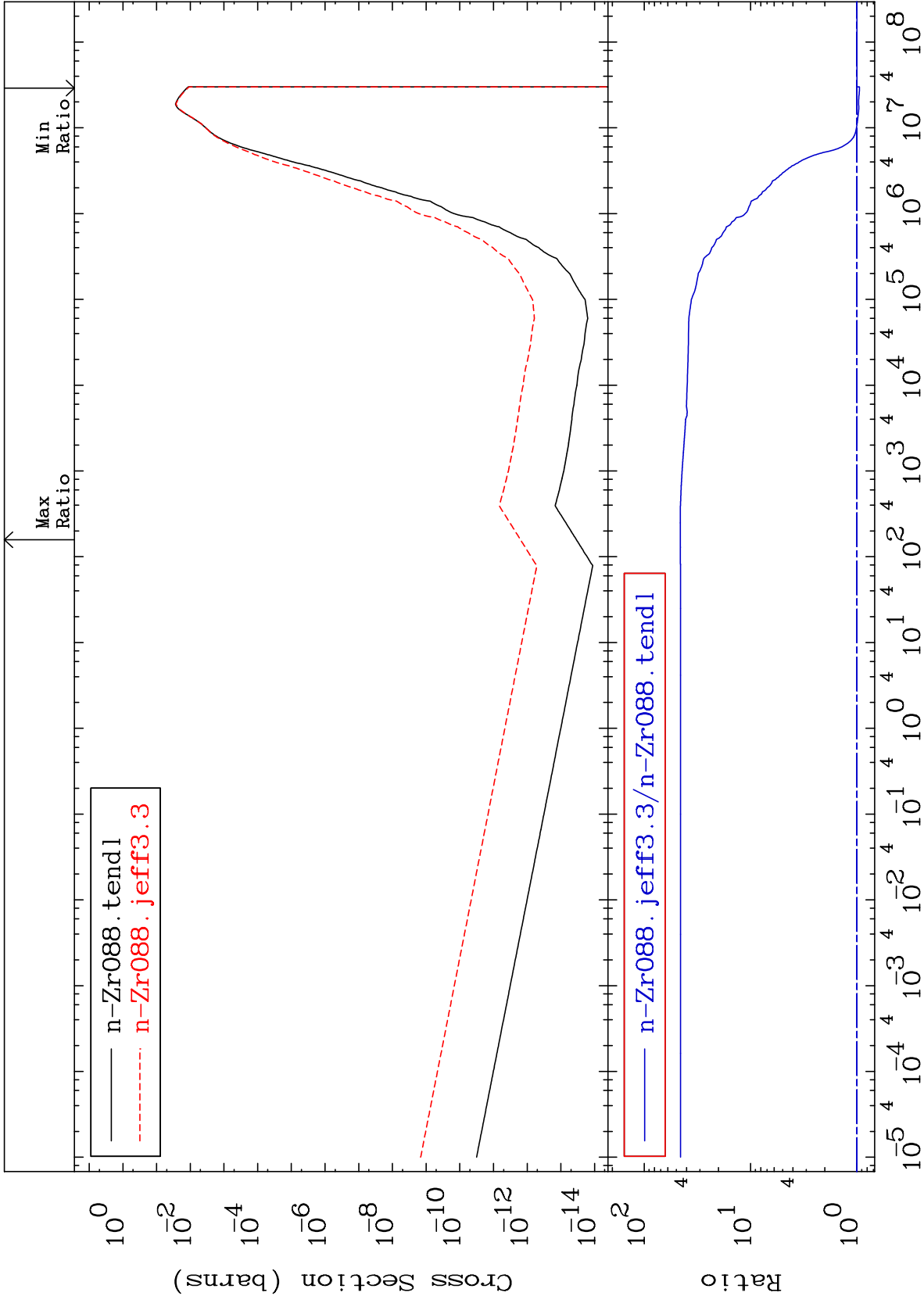
(n,He-3)
Cross Section

-14.14 To 0.000 %



(n, α)
Cross Section

-5.293 To 4475. %

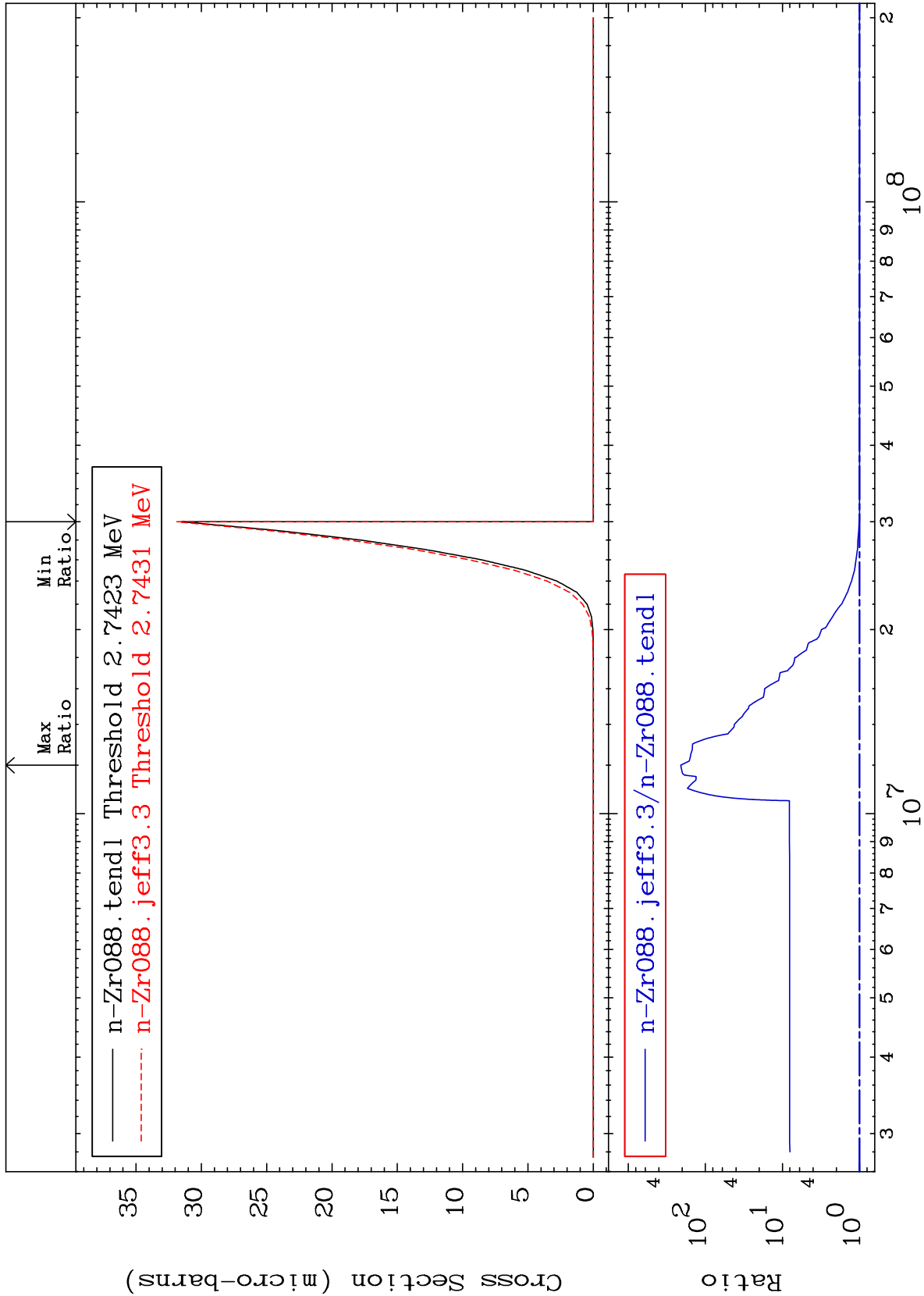


Incident Energy (eV)

(n,2α)

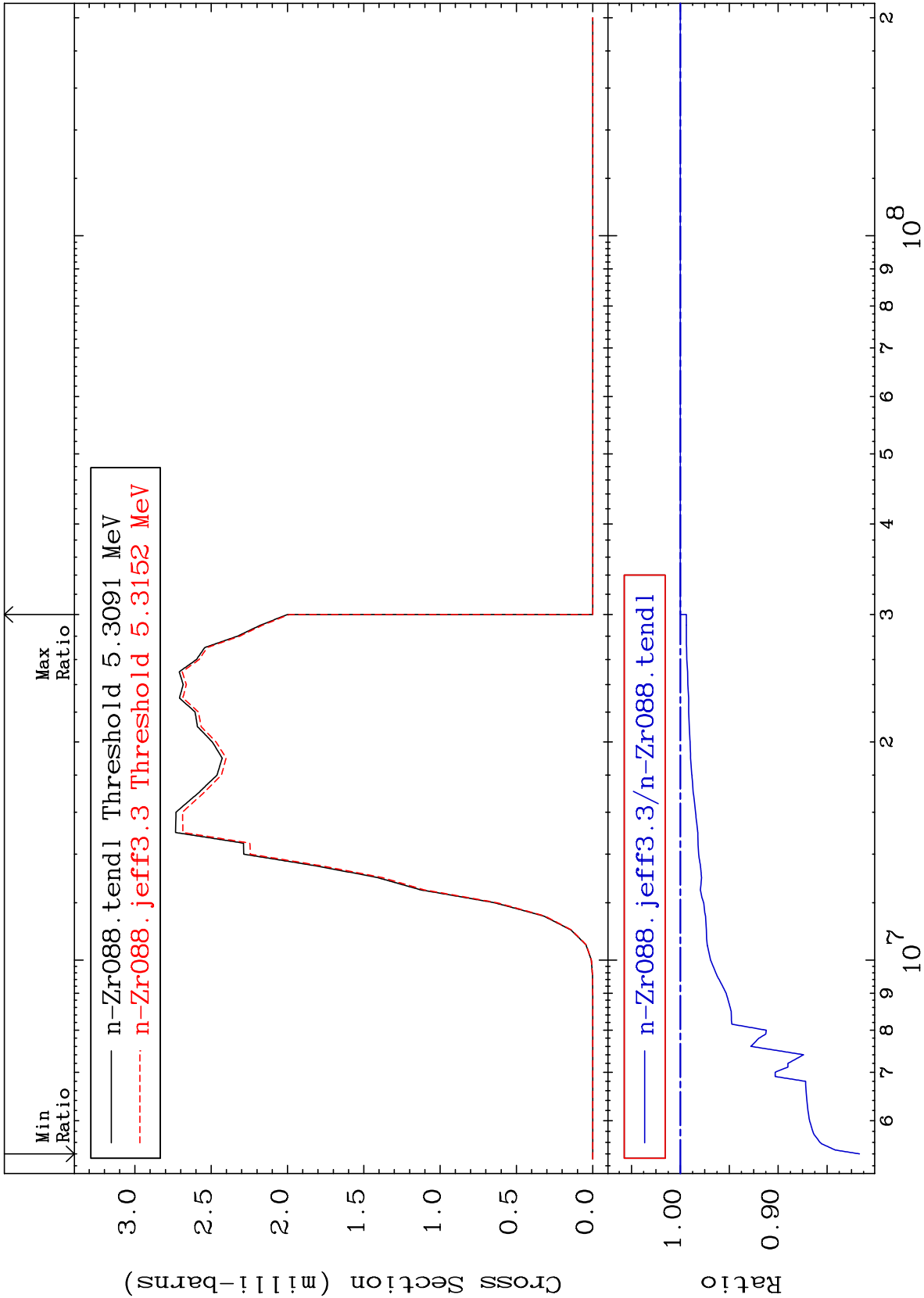
0.000

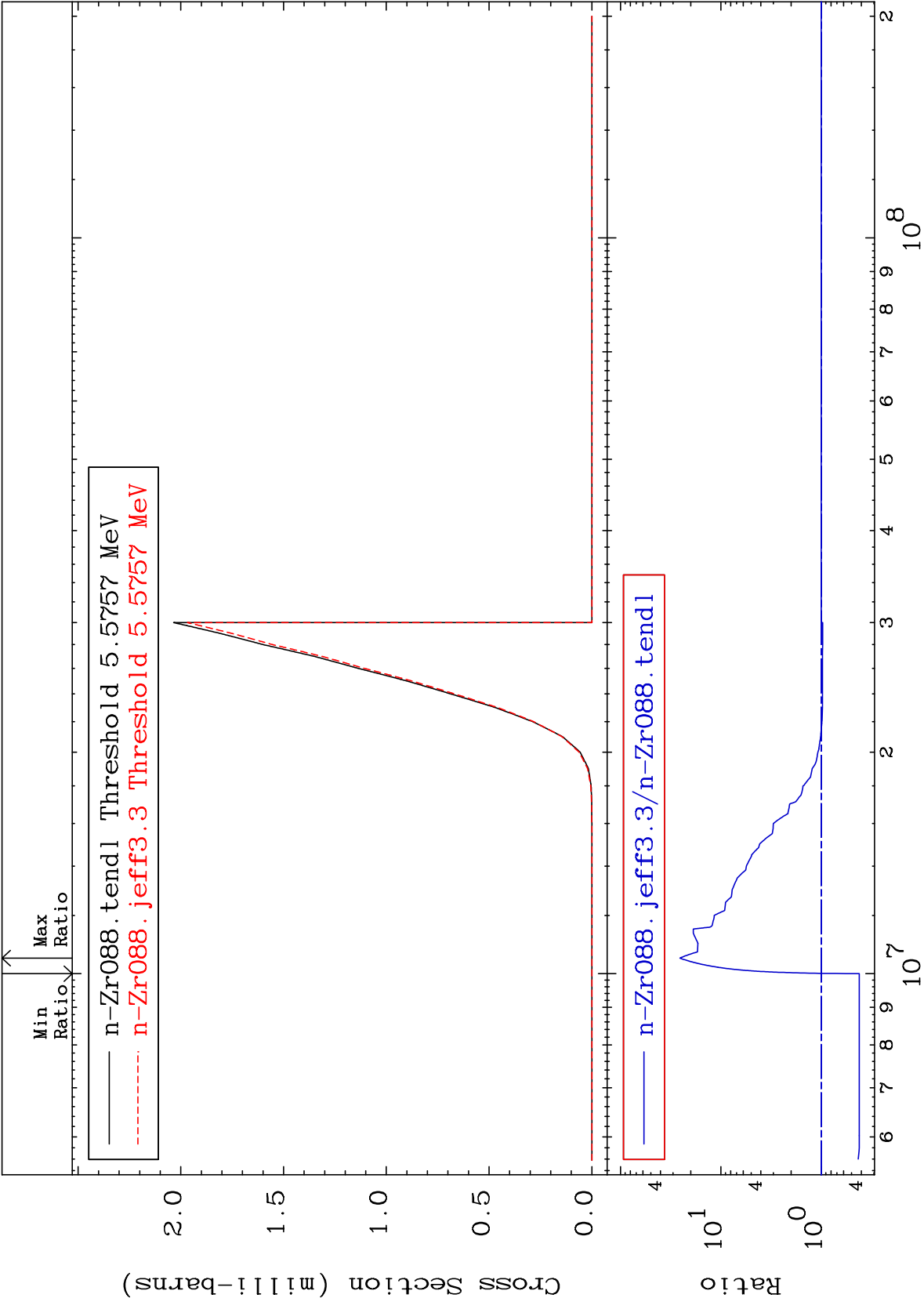
To 9999. %

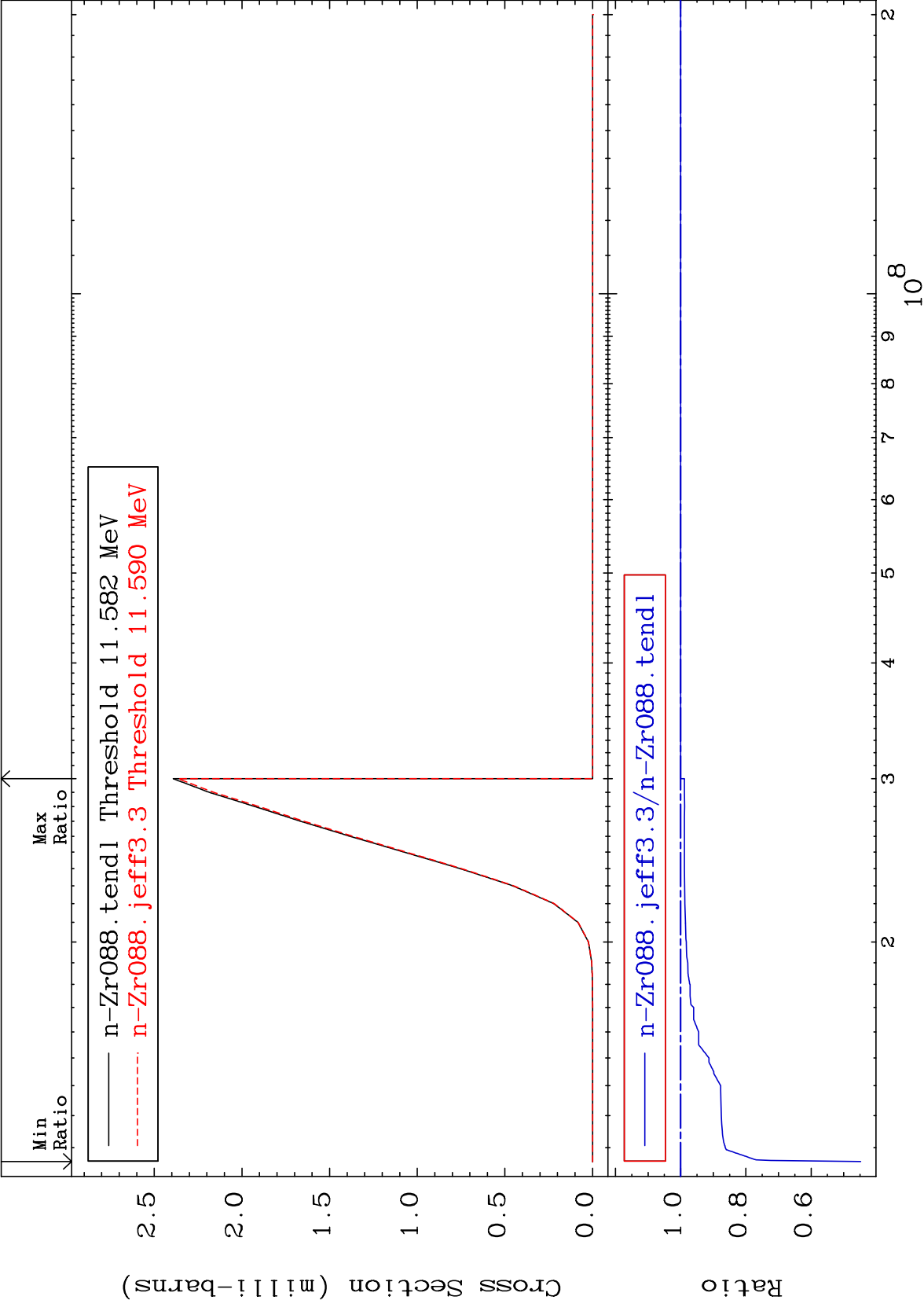


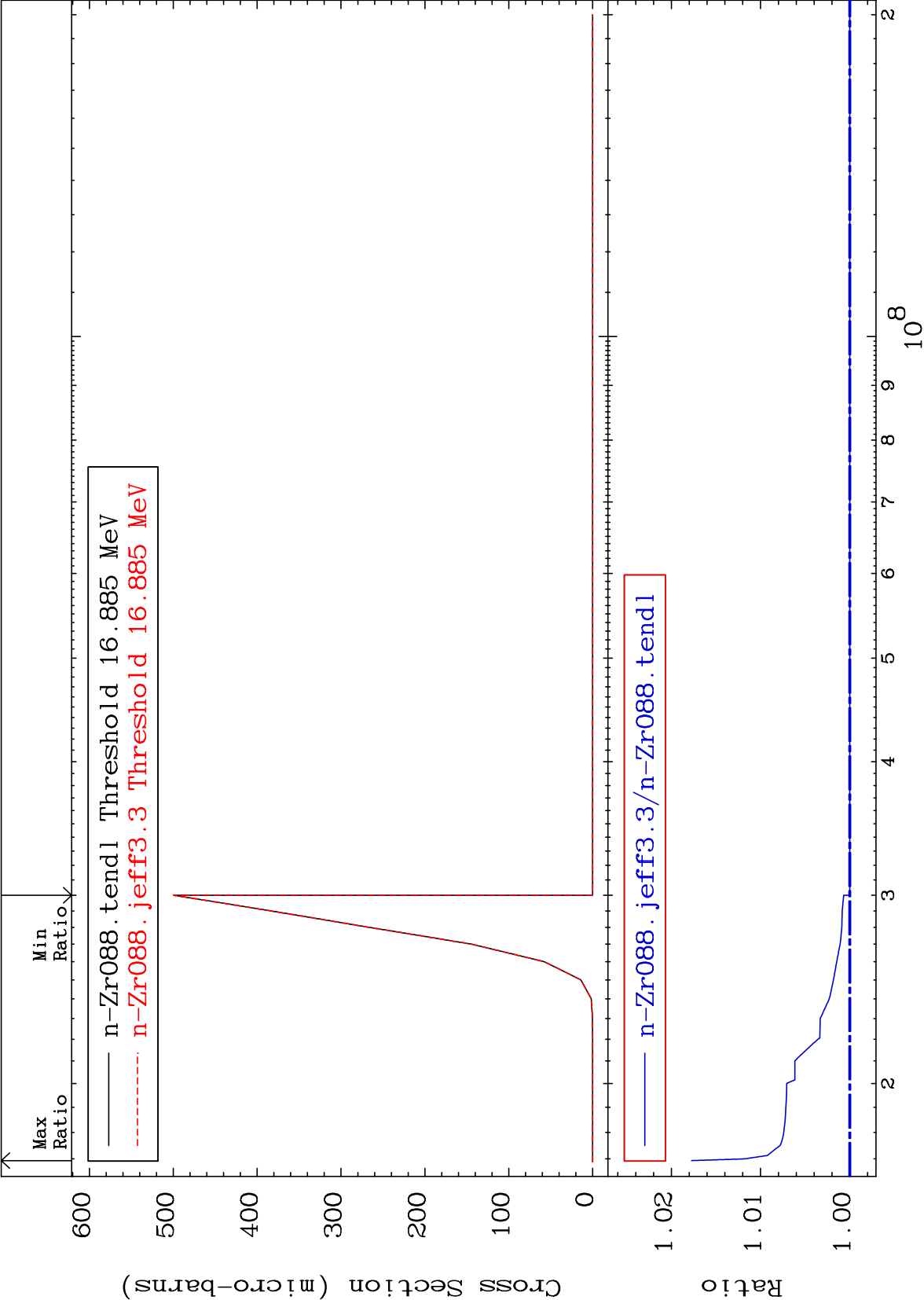
(n,2p)
Cross Section

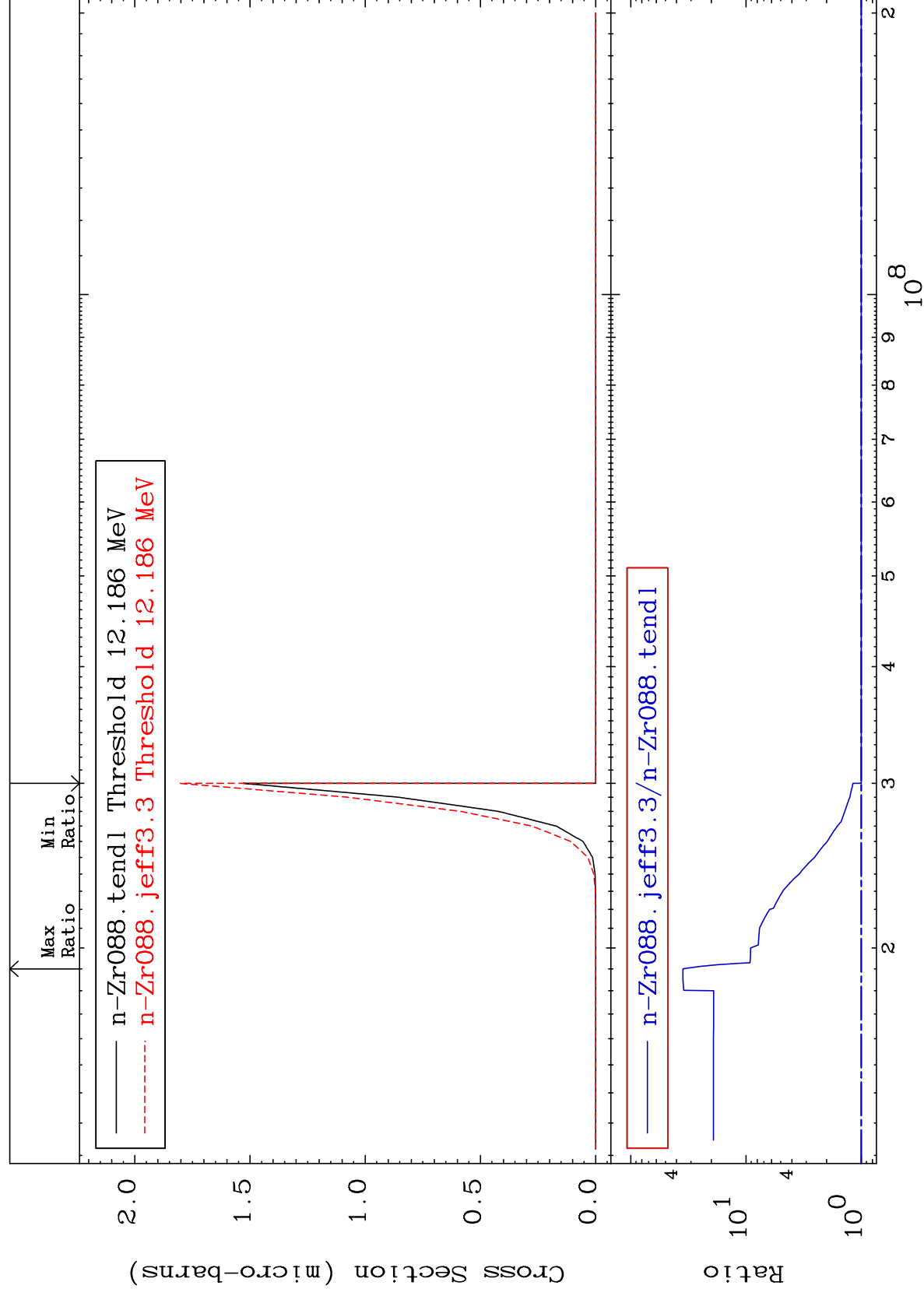
-18.32 To 0.000 %

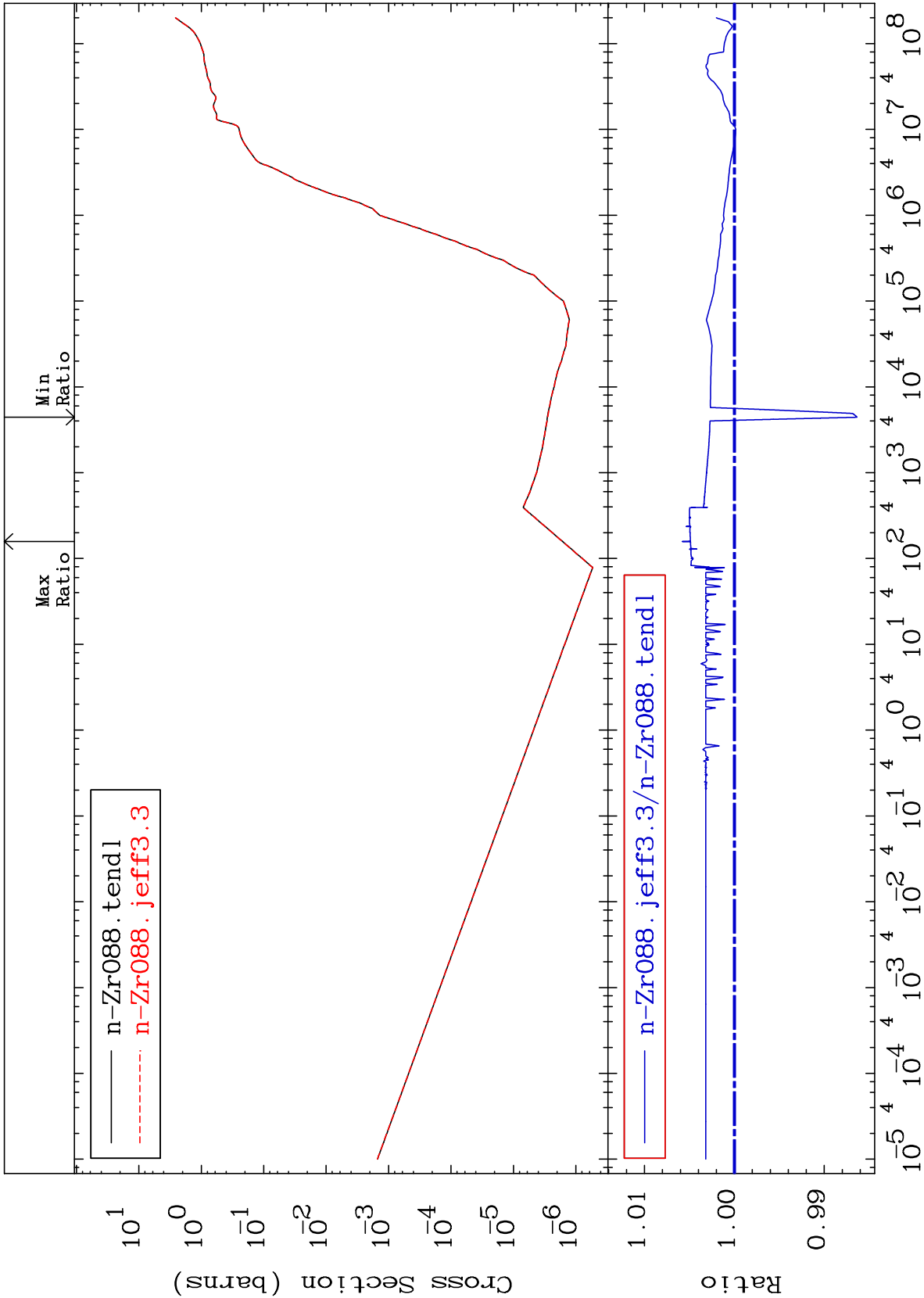








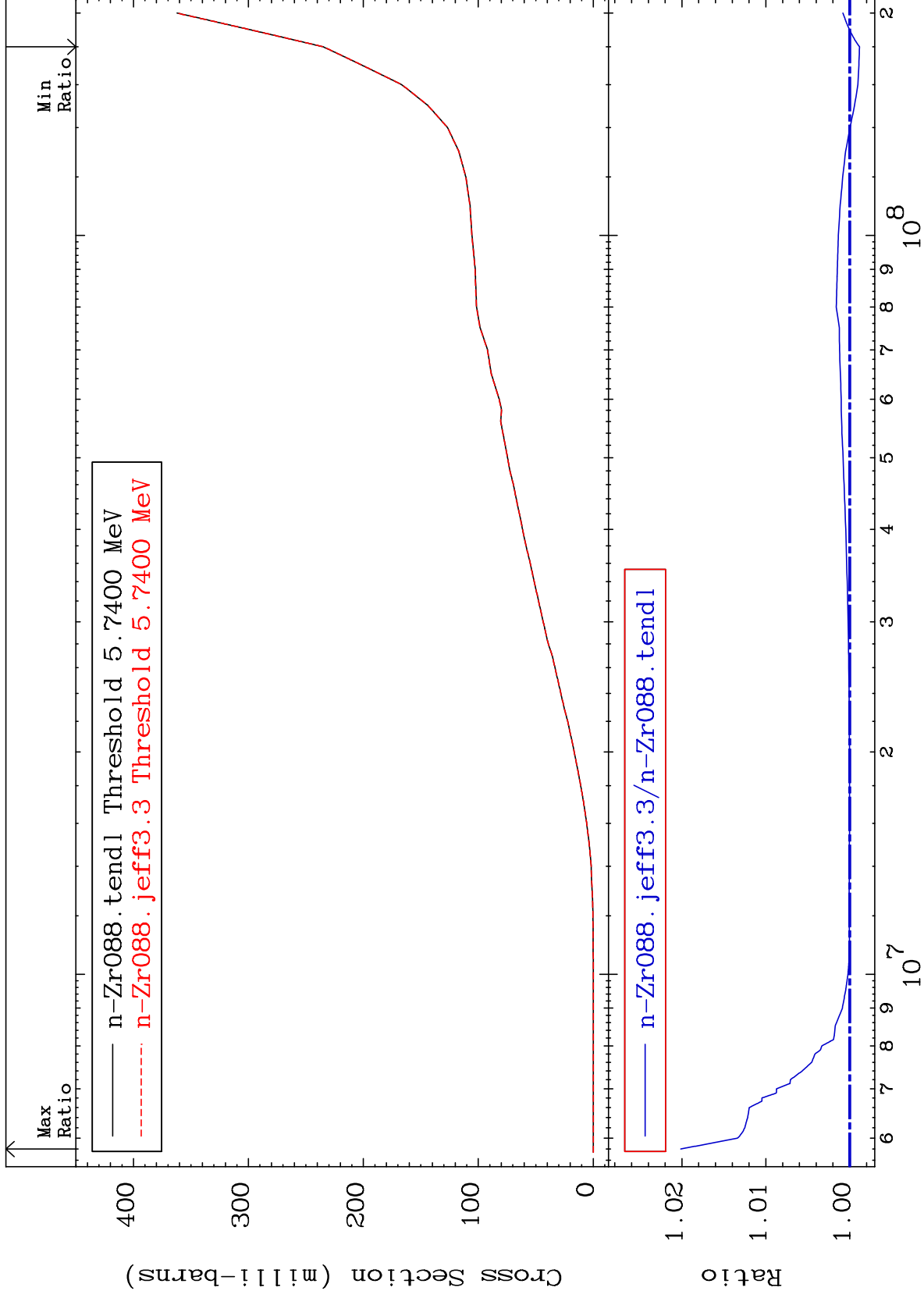




MAT 4019

Deuterium Production
Cross Section

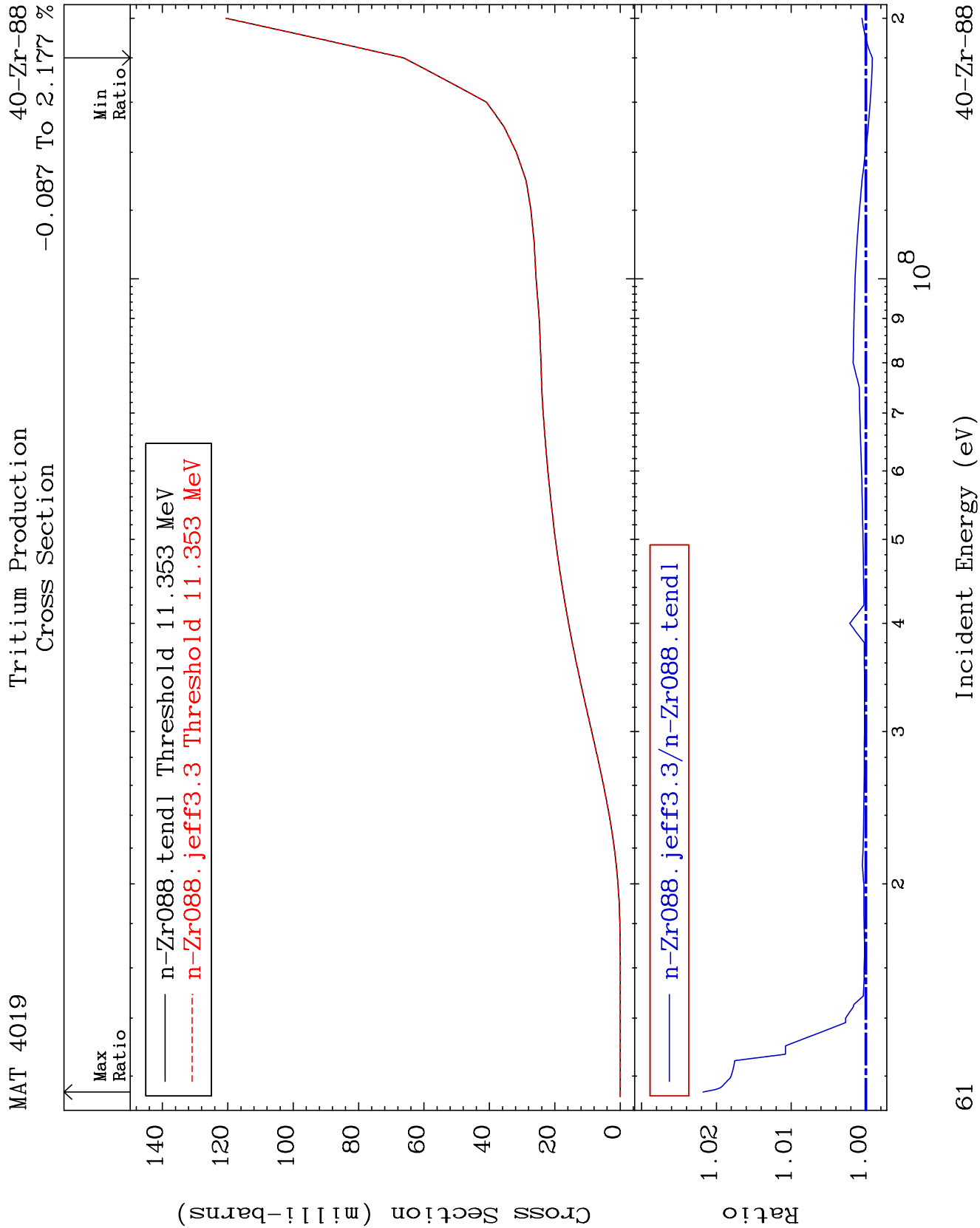
40-Zr-88
-0.116 To 2.014 %



60

Incident Energy (eV)

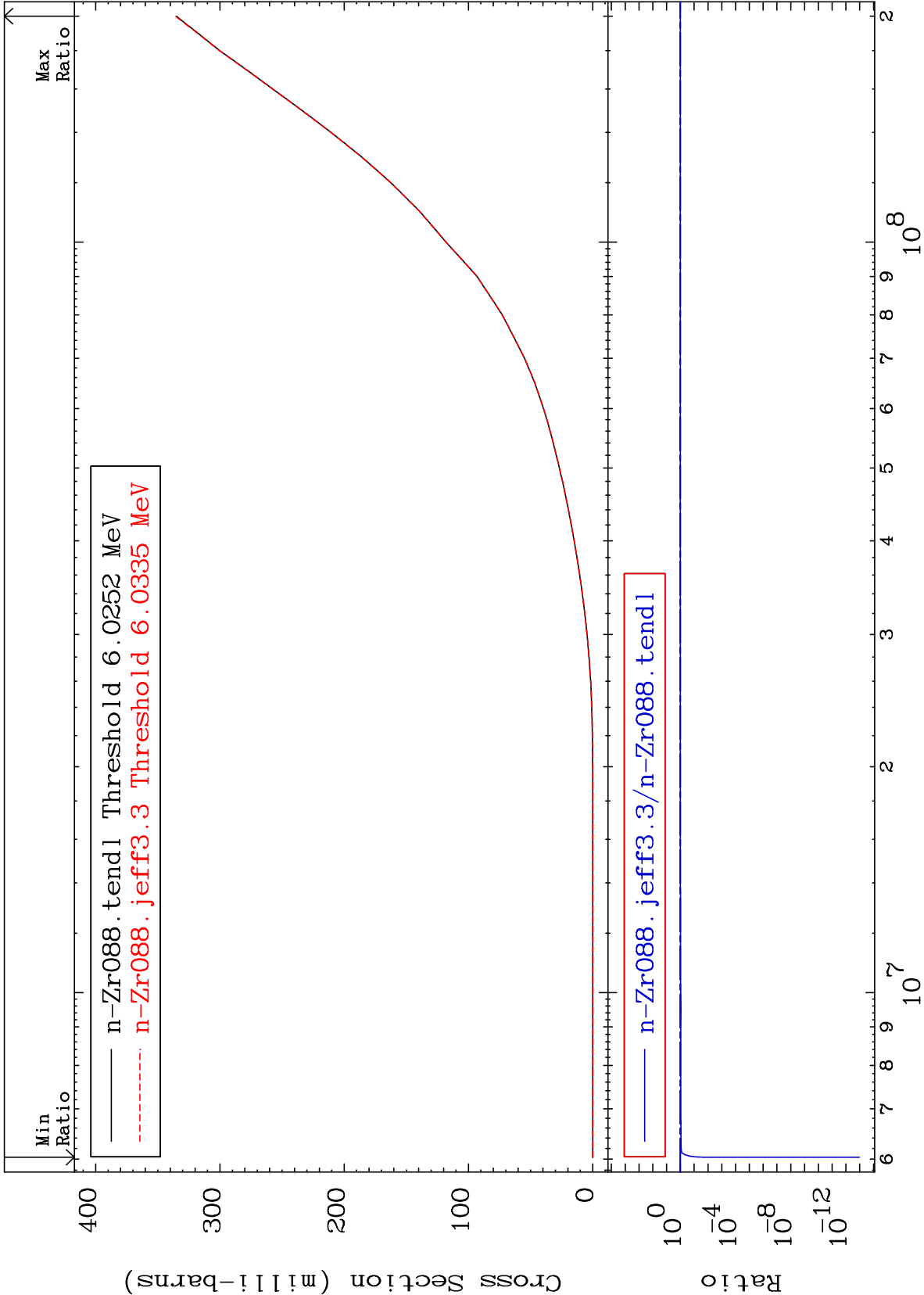
40-Zr-88



MAT 4019

He-3 Production
Cross Section

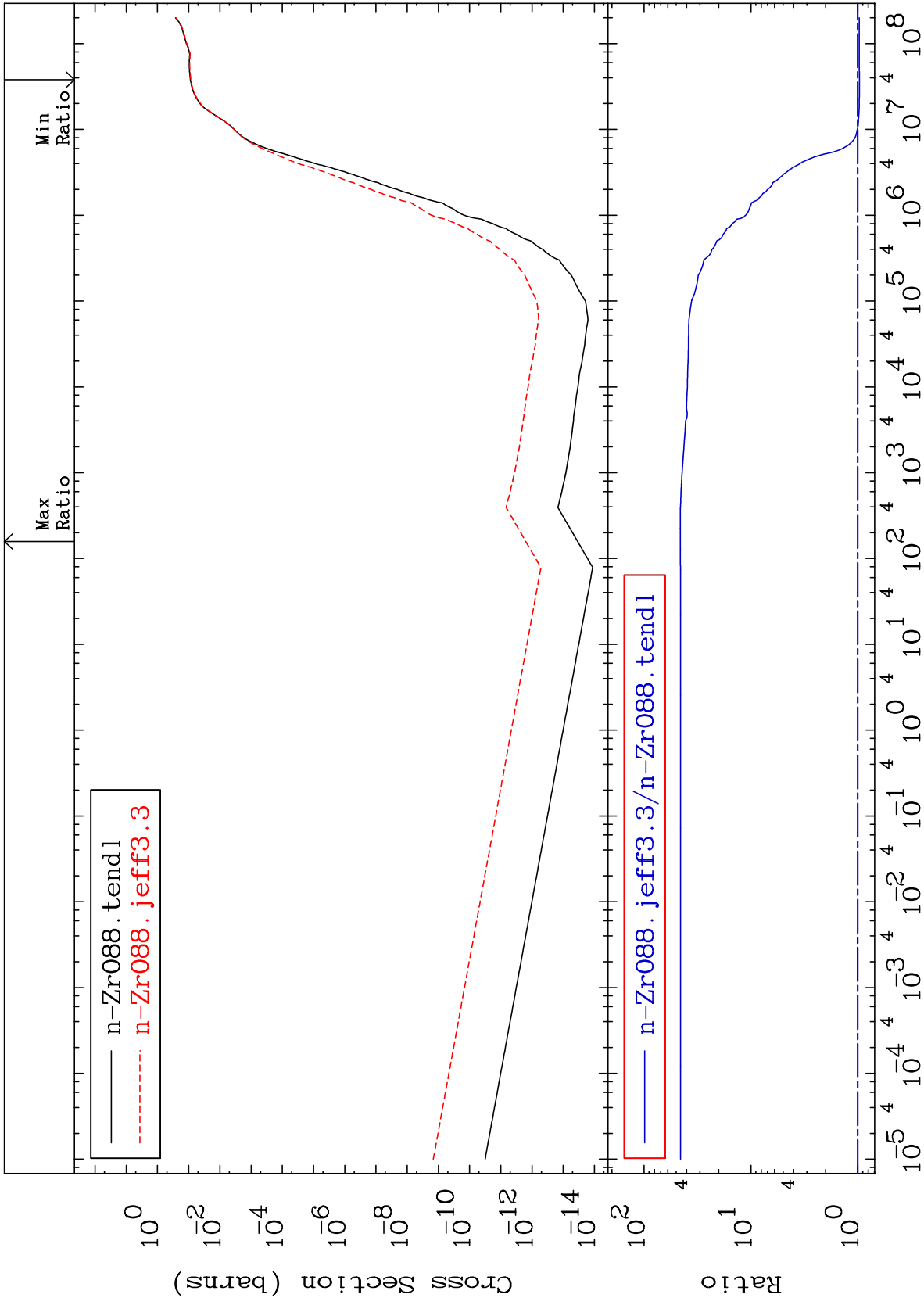
40-Zr-88
-100.0 To 0.189 %

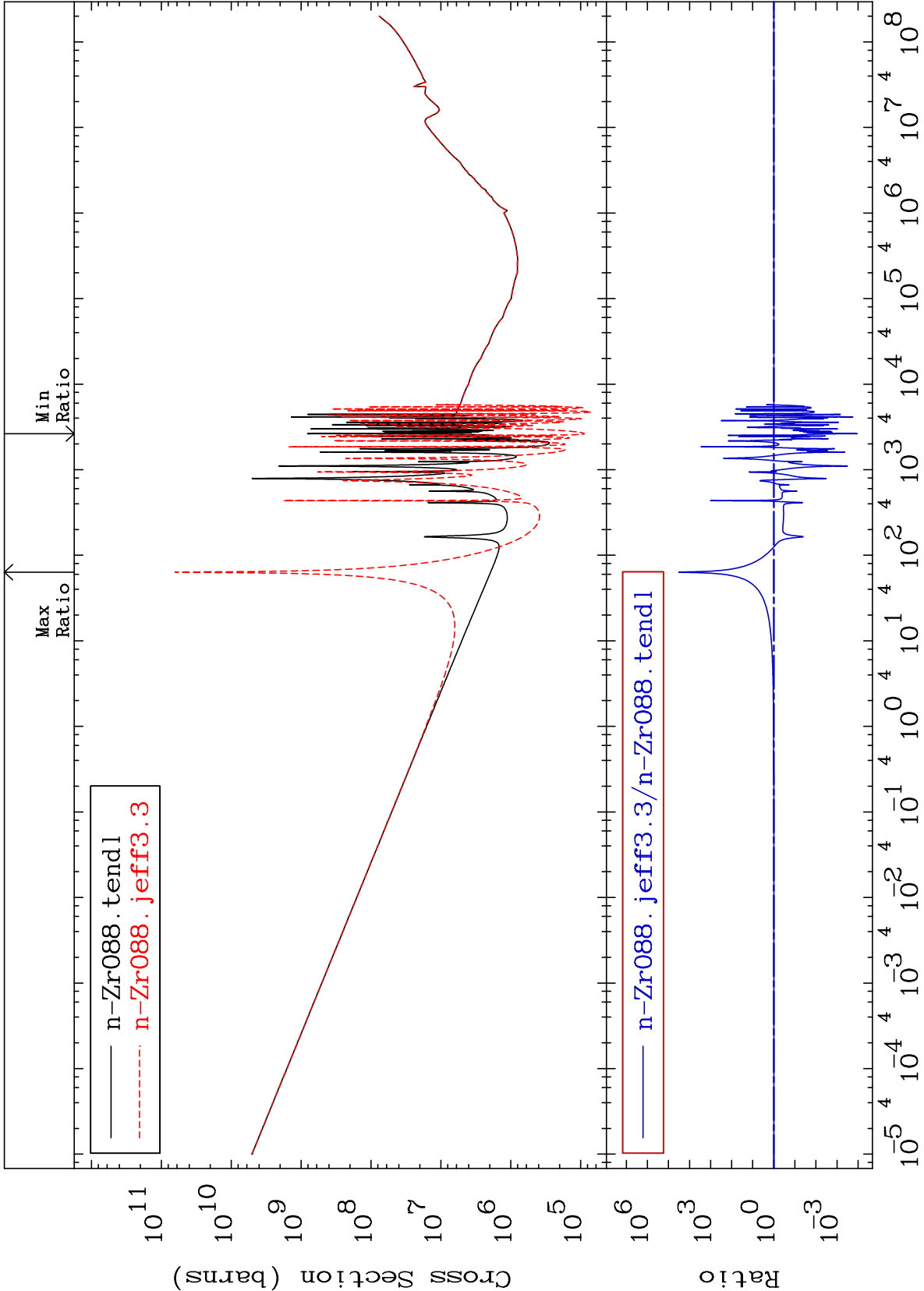


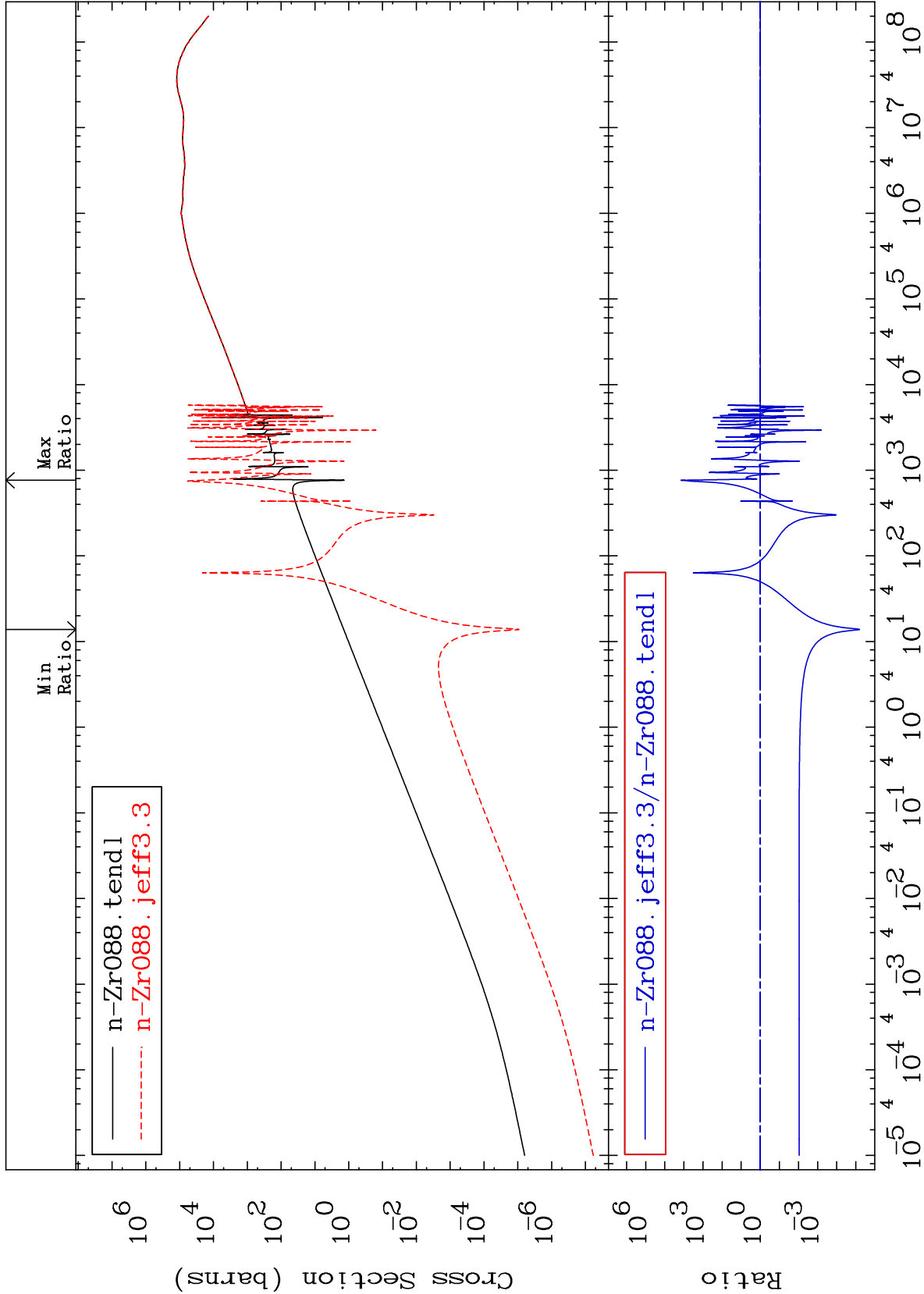
62

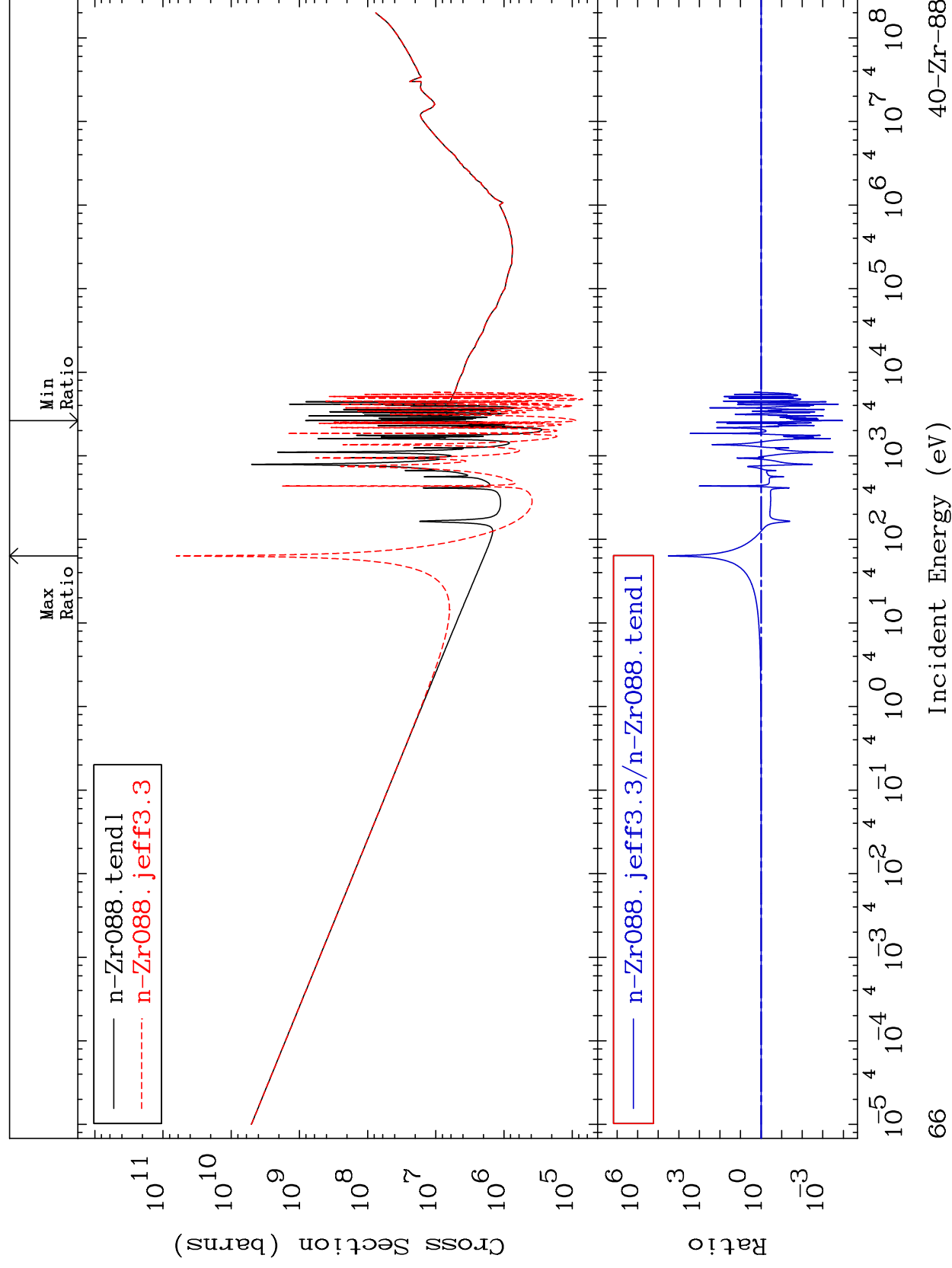
Incident Energy (eV)

40-Zr-88

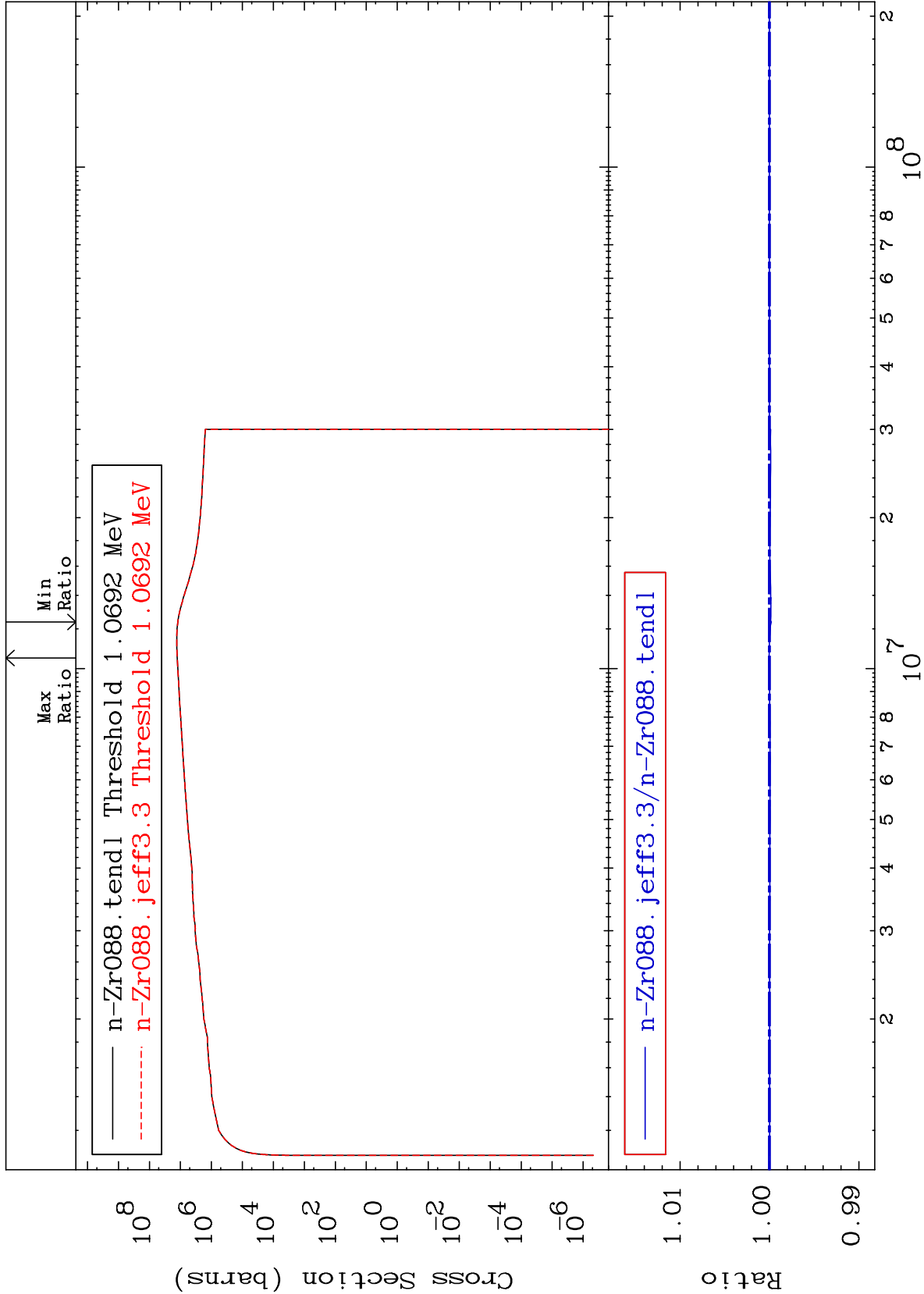


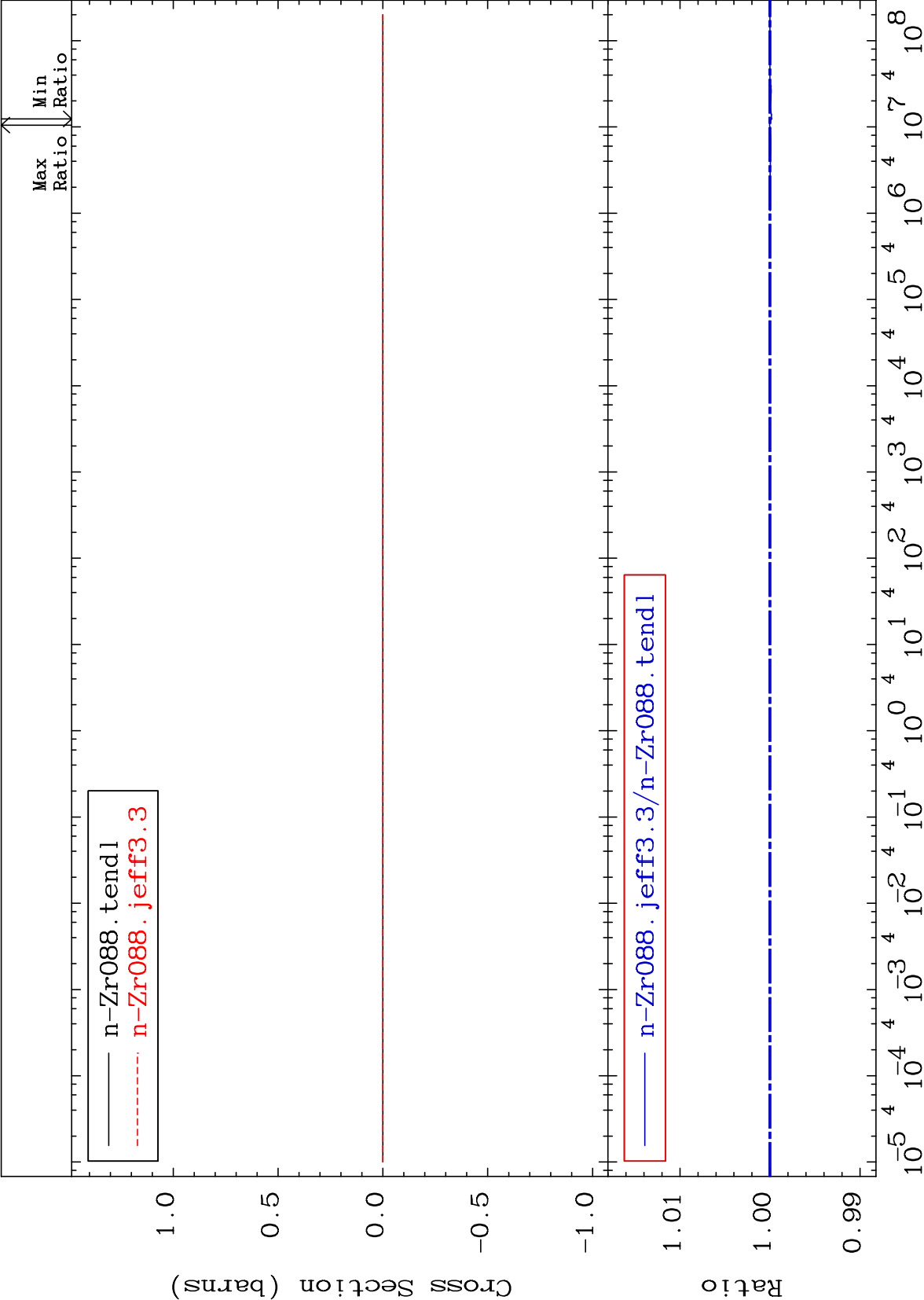


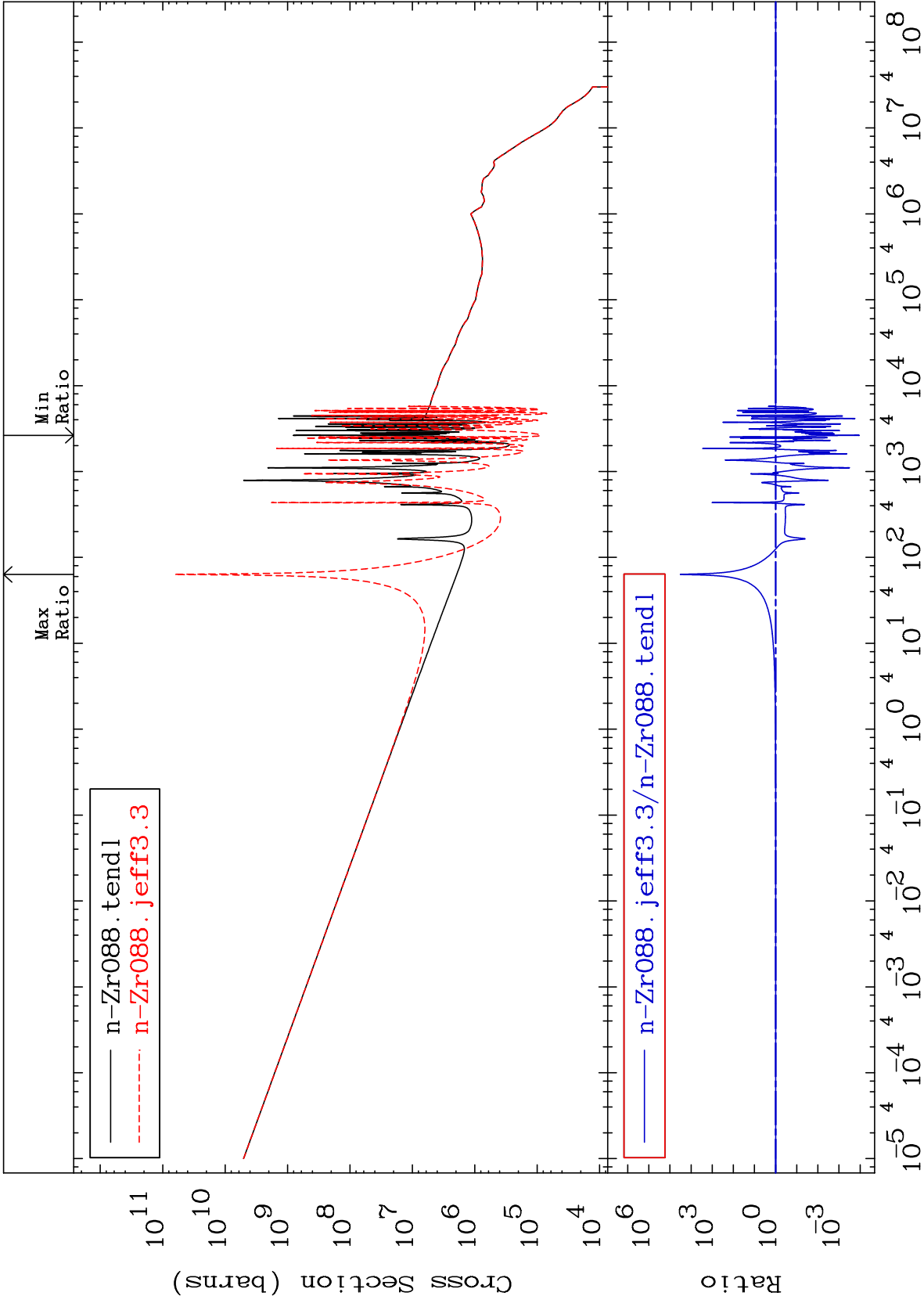


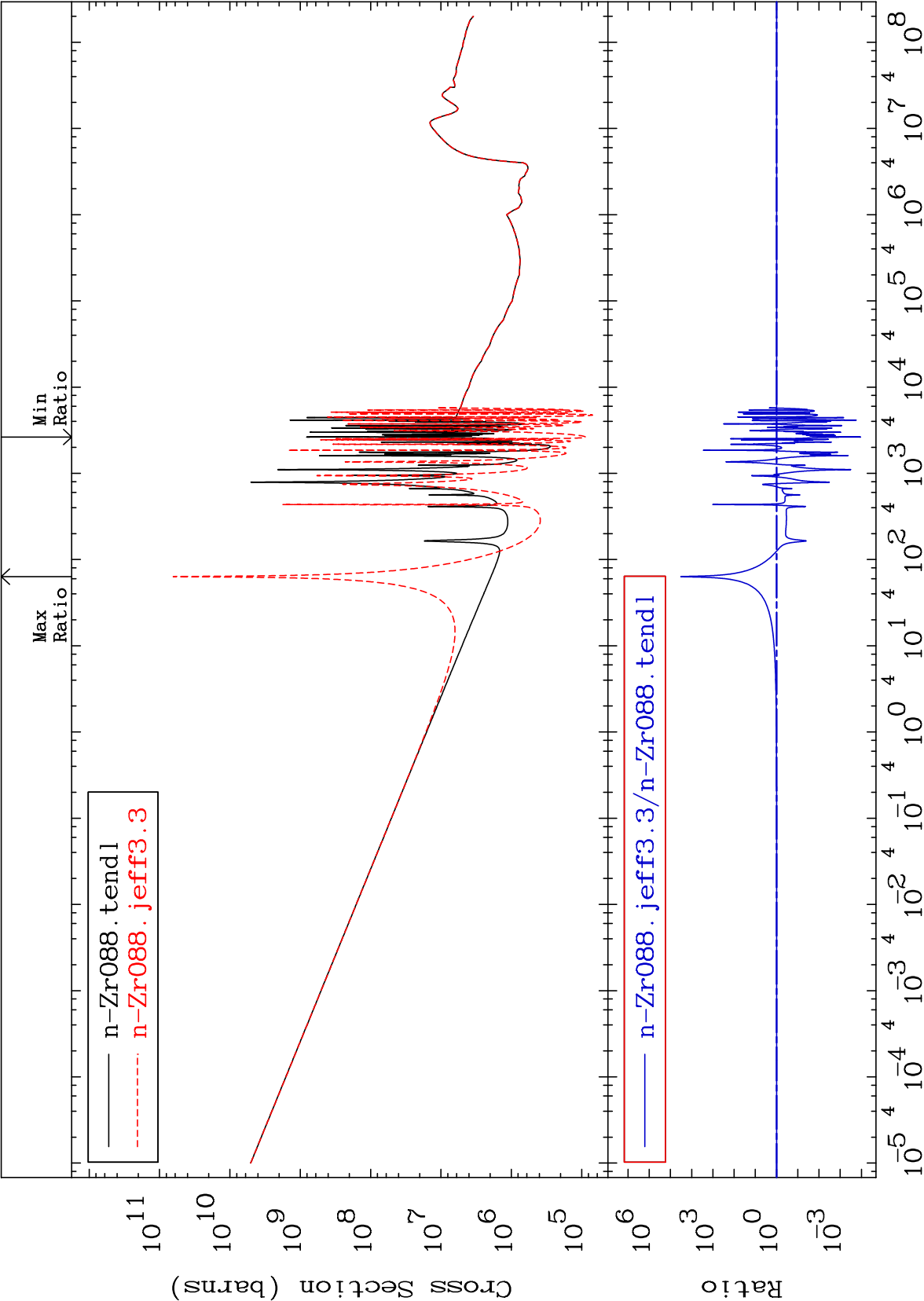


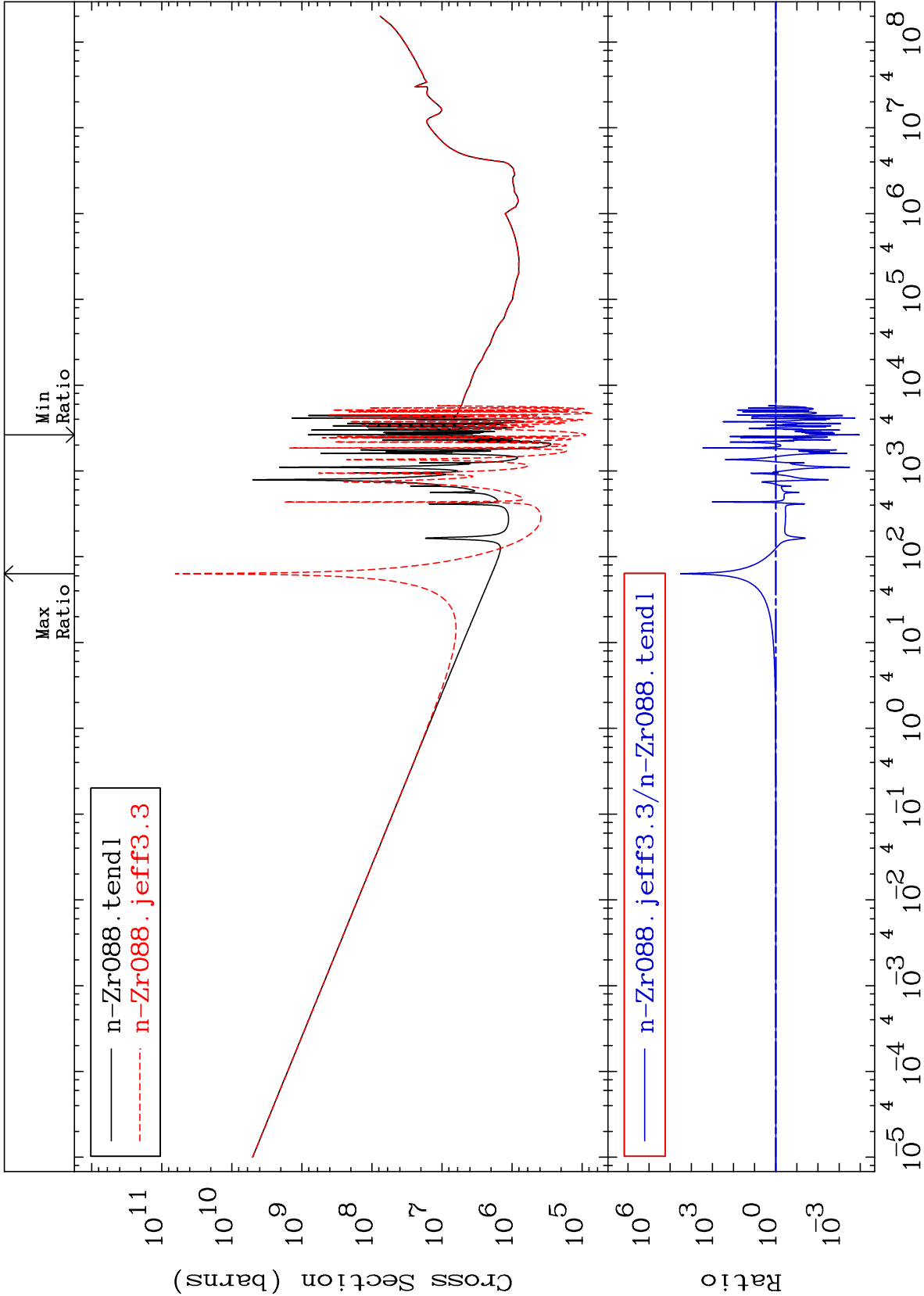
-0.022 To 0.006 %

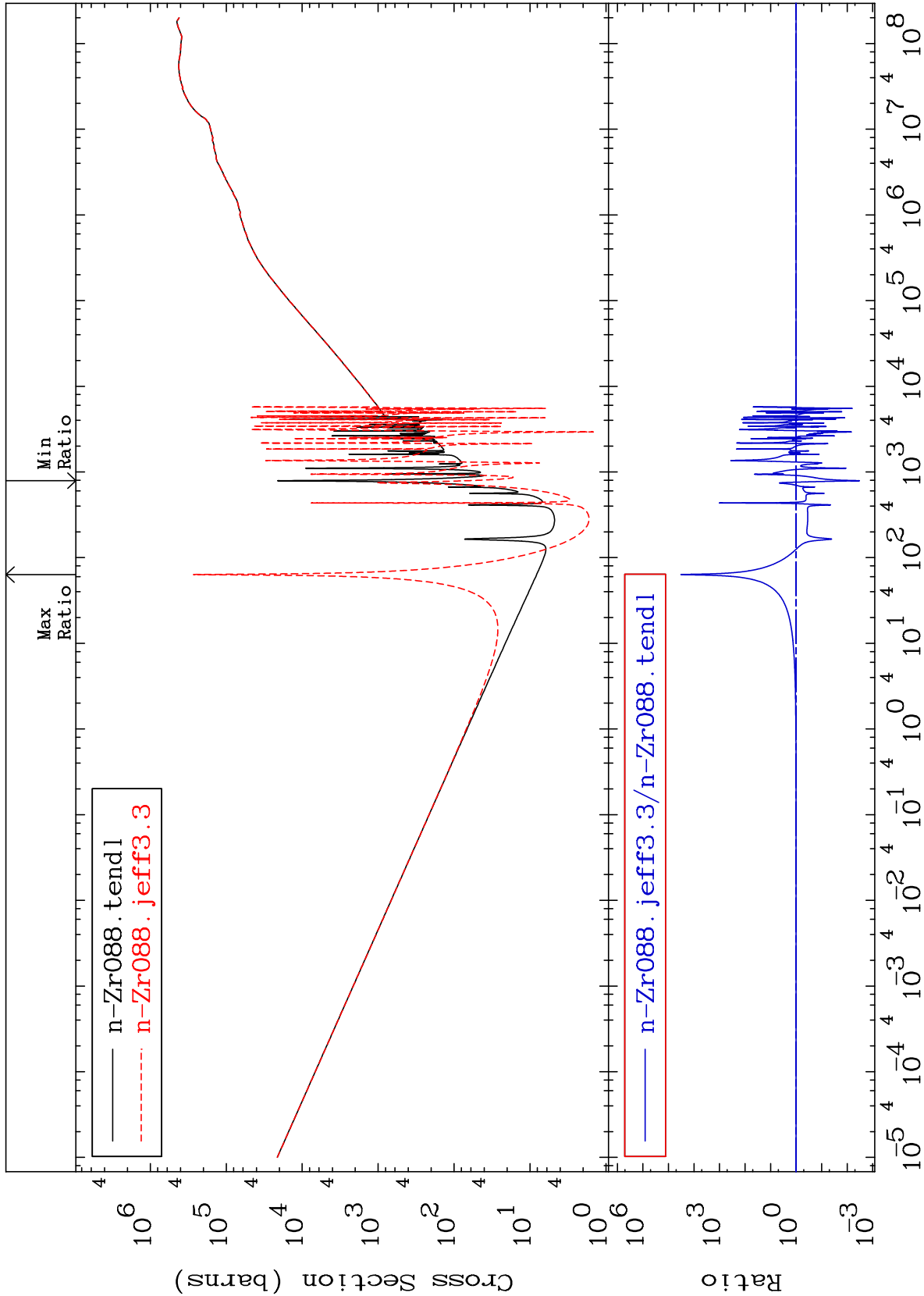


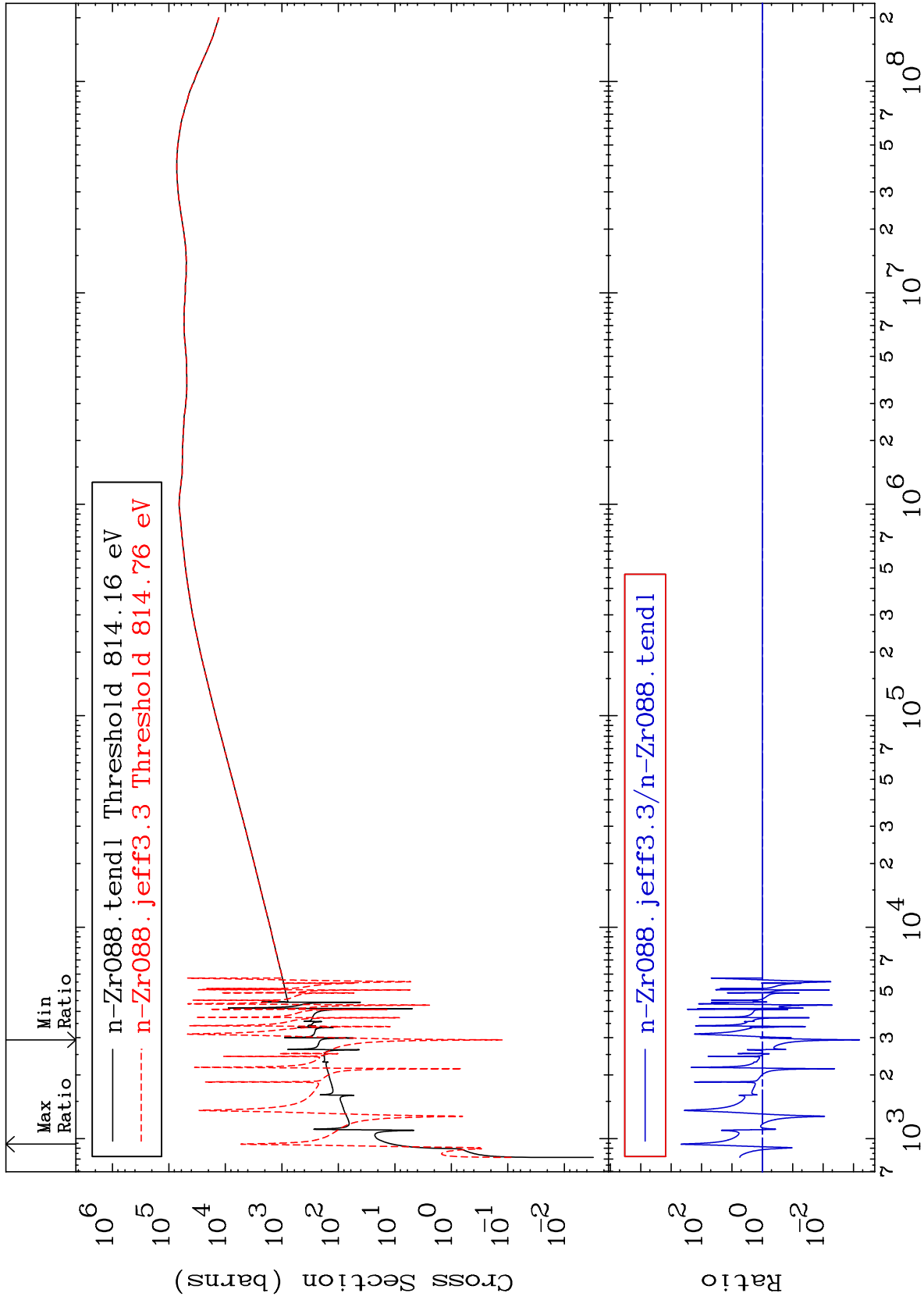




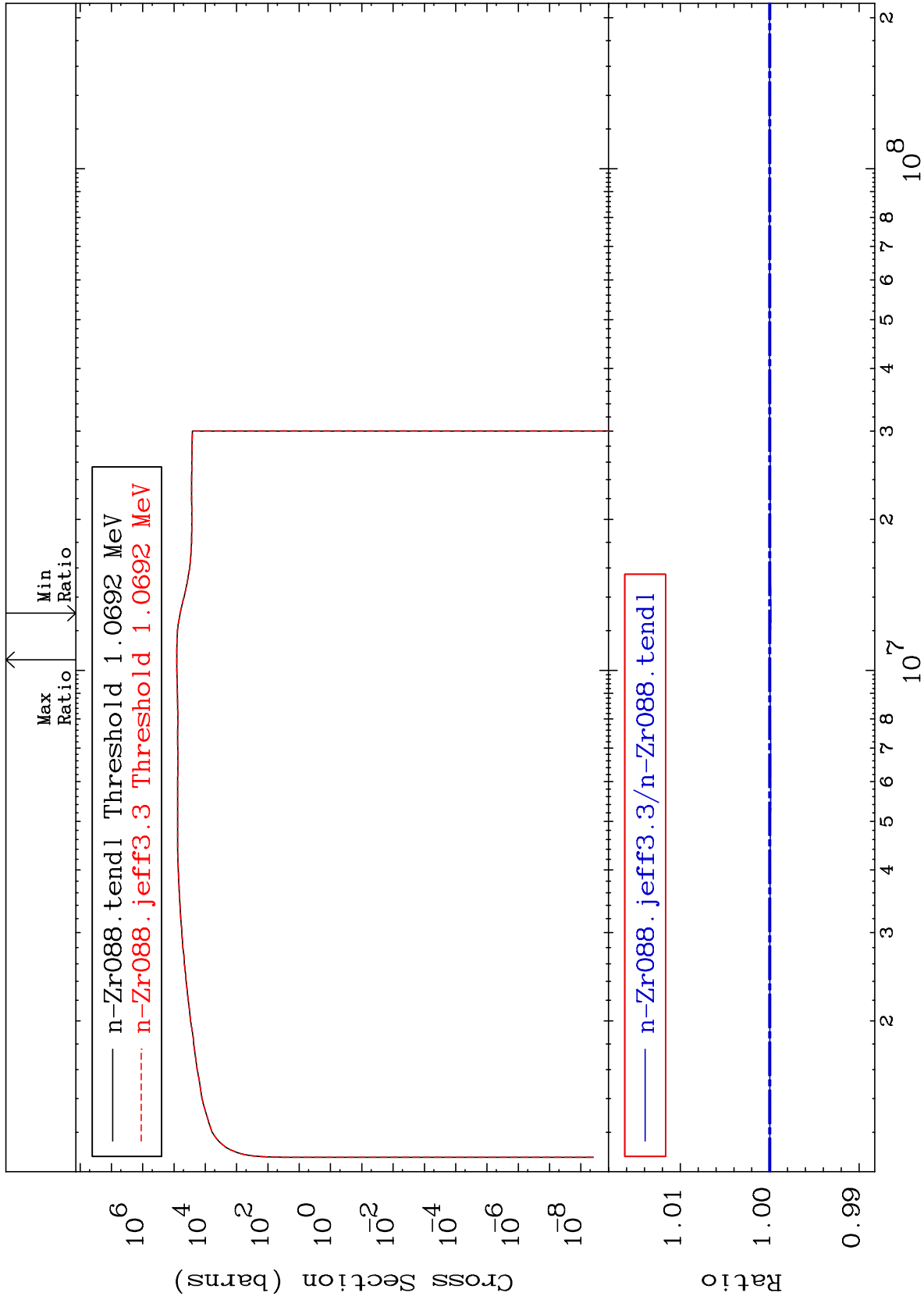


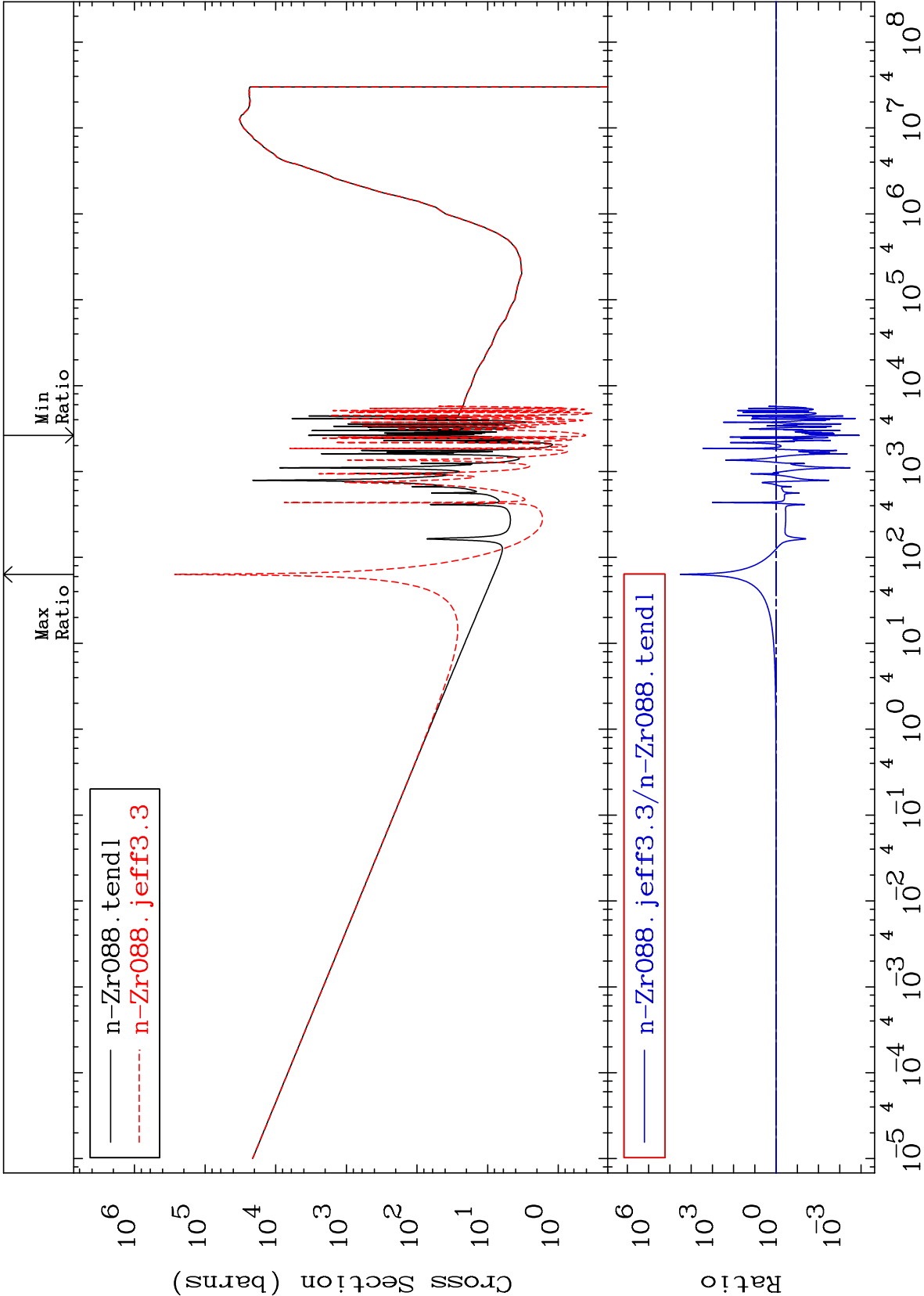






-0.014 To 0.004 %





MAT 4019

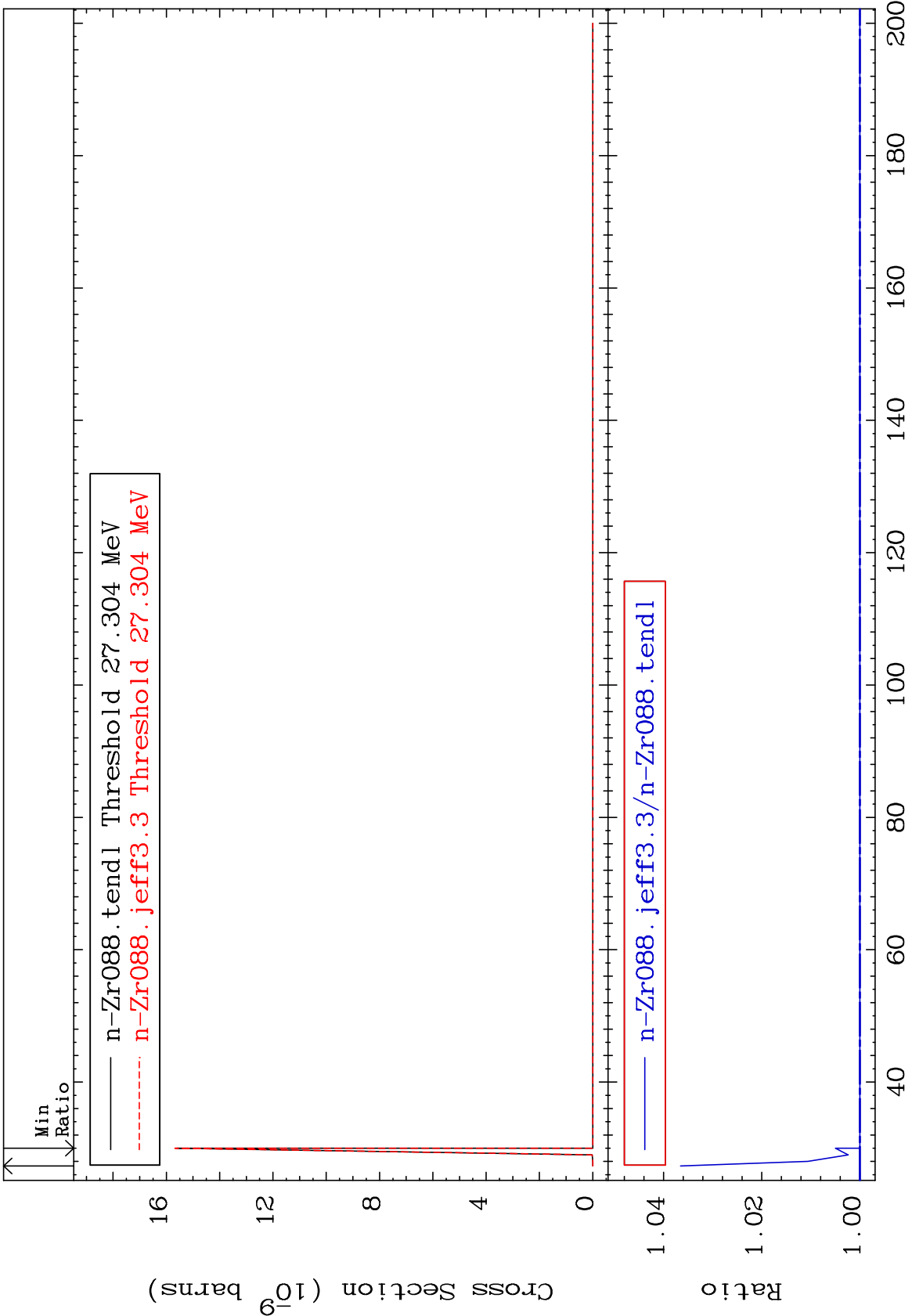
(n,2n) d:39-Y -85g

40-Zr-88

Radionuclide Production Cross Section

0.000

To 3.655 %



76

Incident Energy (MeV)

40-Zr-88

MAT 4019

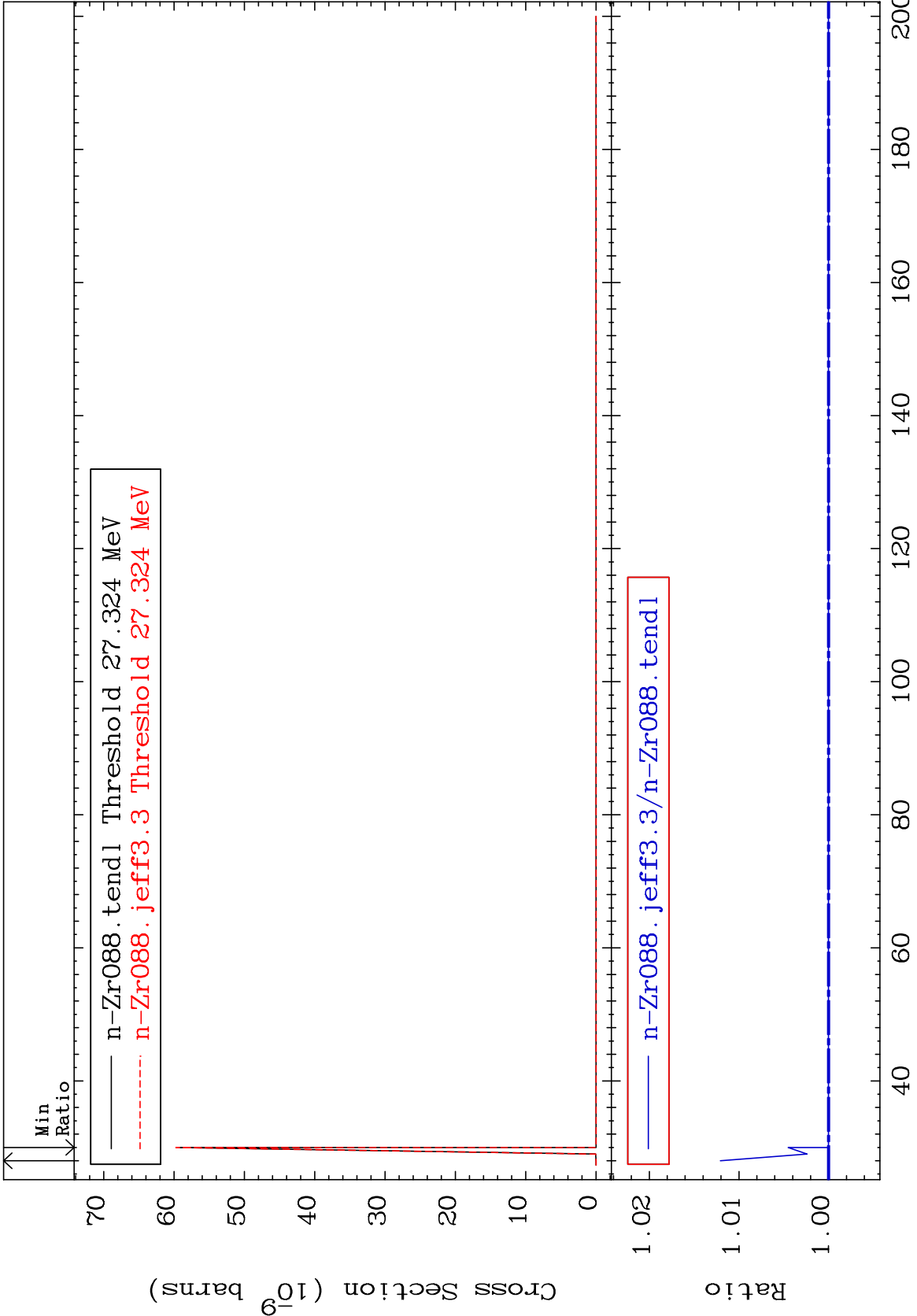
(n,2n) d:39-Y -85m1

40-Zr-88

Radionuclide Production Cross Section

0.000

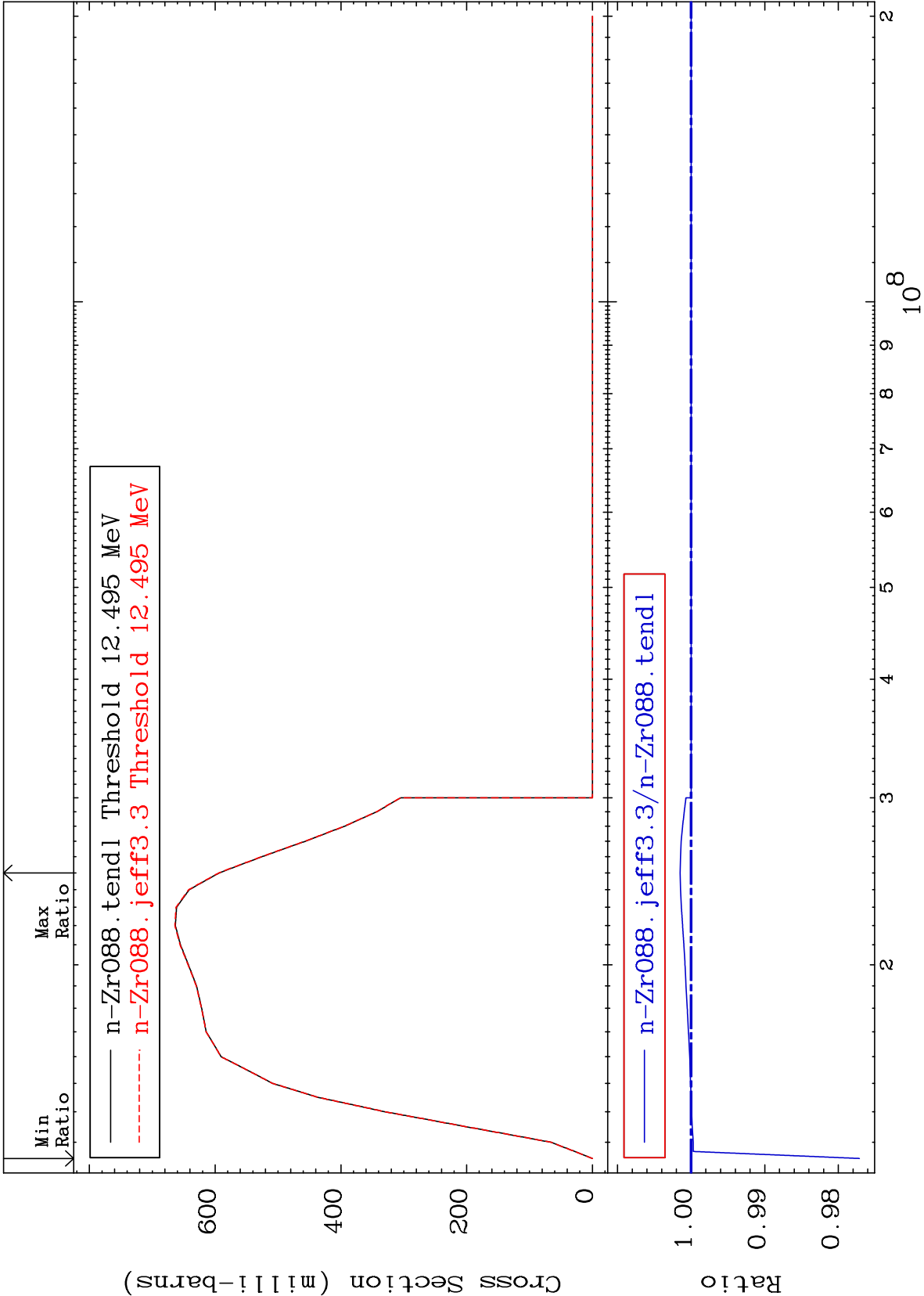
To 1.208 %



77

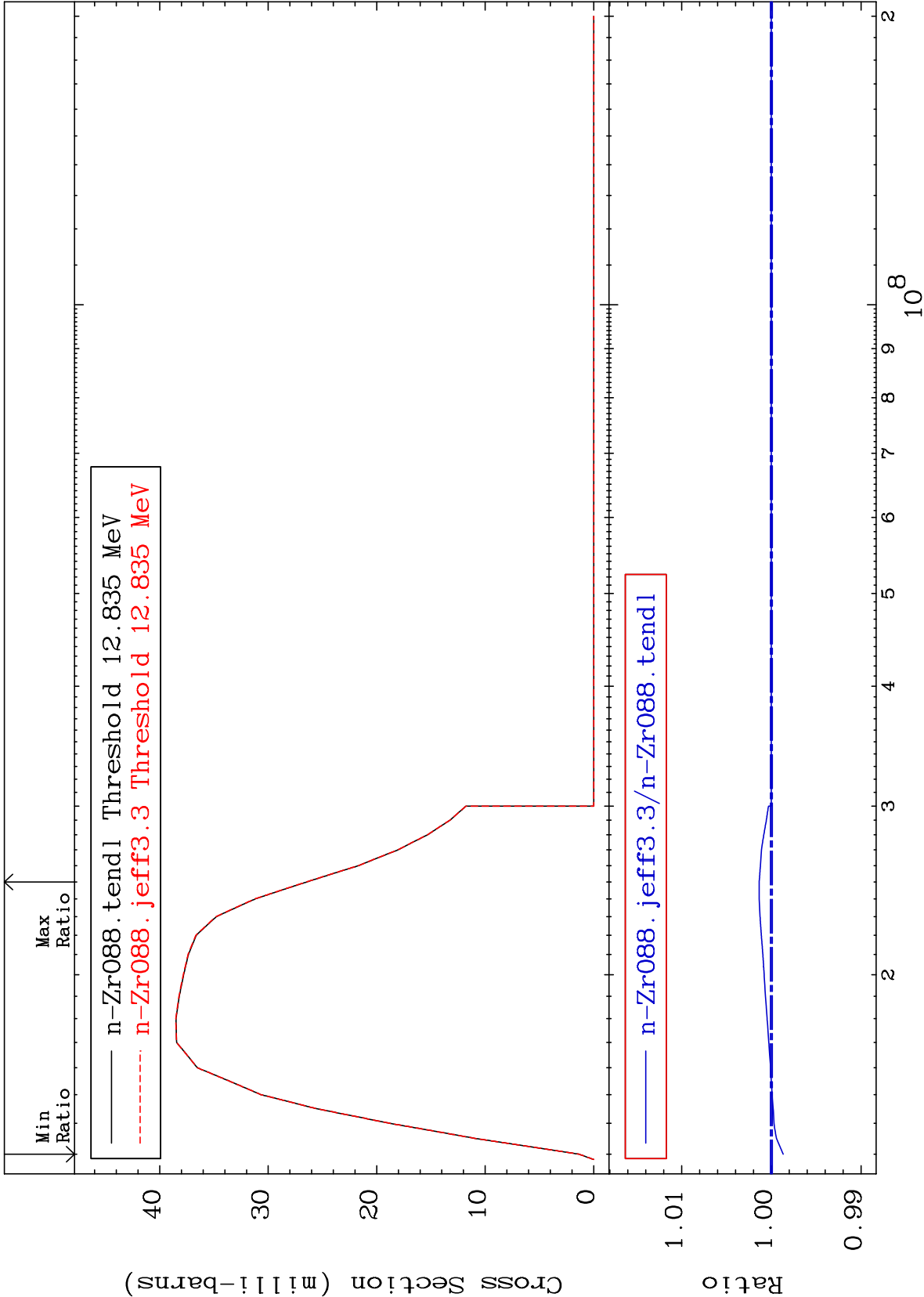
Incident Energy (MeV)

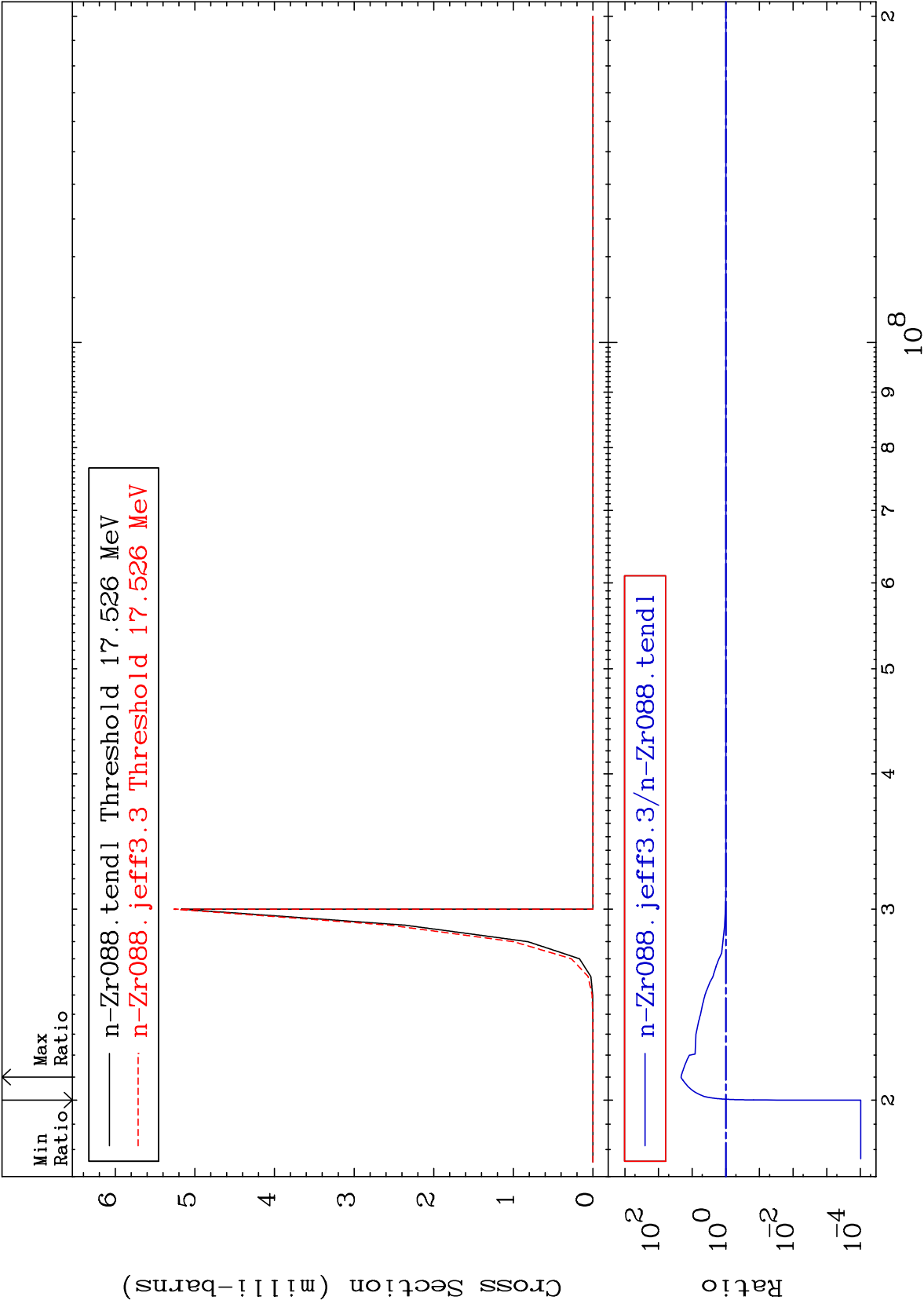
40-Zr-88



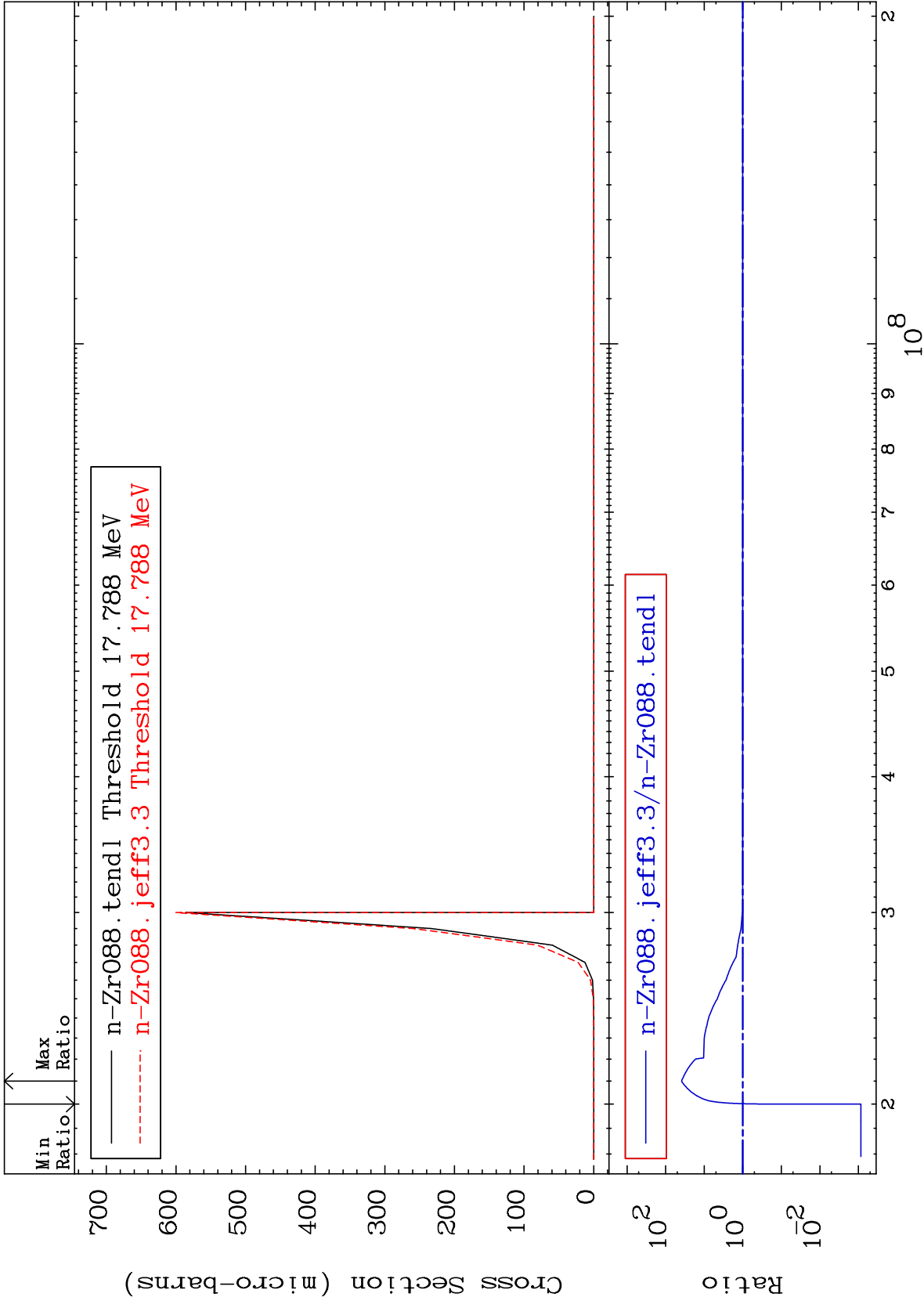
Radionuclide Production Cross Section

-0.132 To 0.136 %





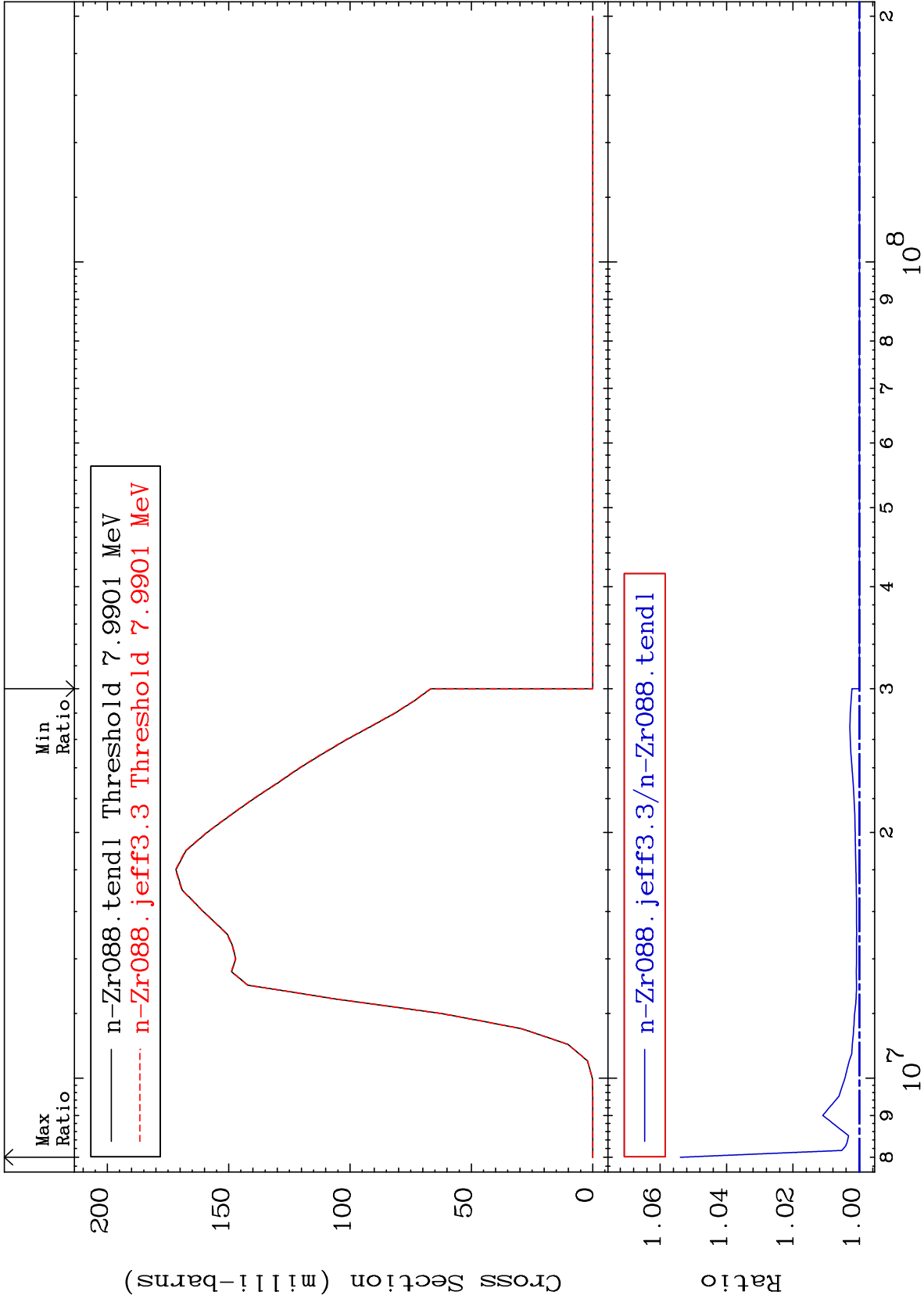
Radionuclide Production Cross Section -99.91 To 3784. %



MAT 4019

(n,n') p:39-Y -87g 40-Zr-88

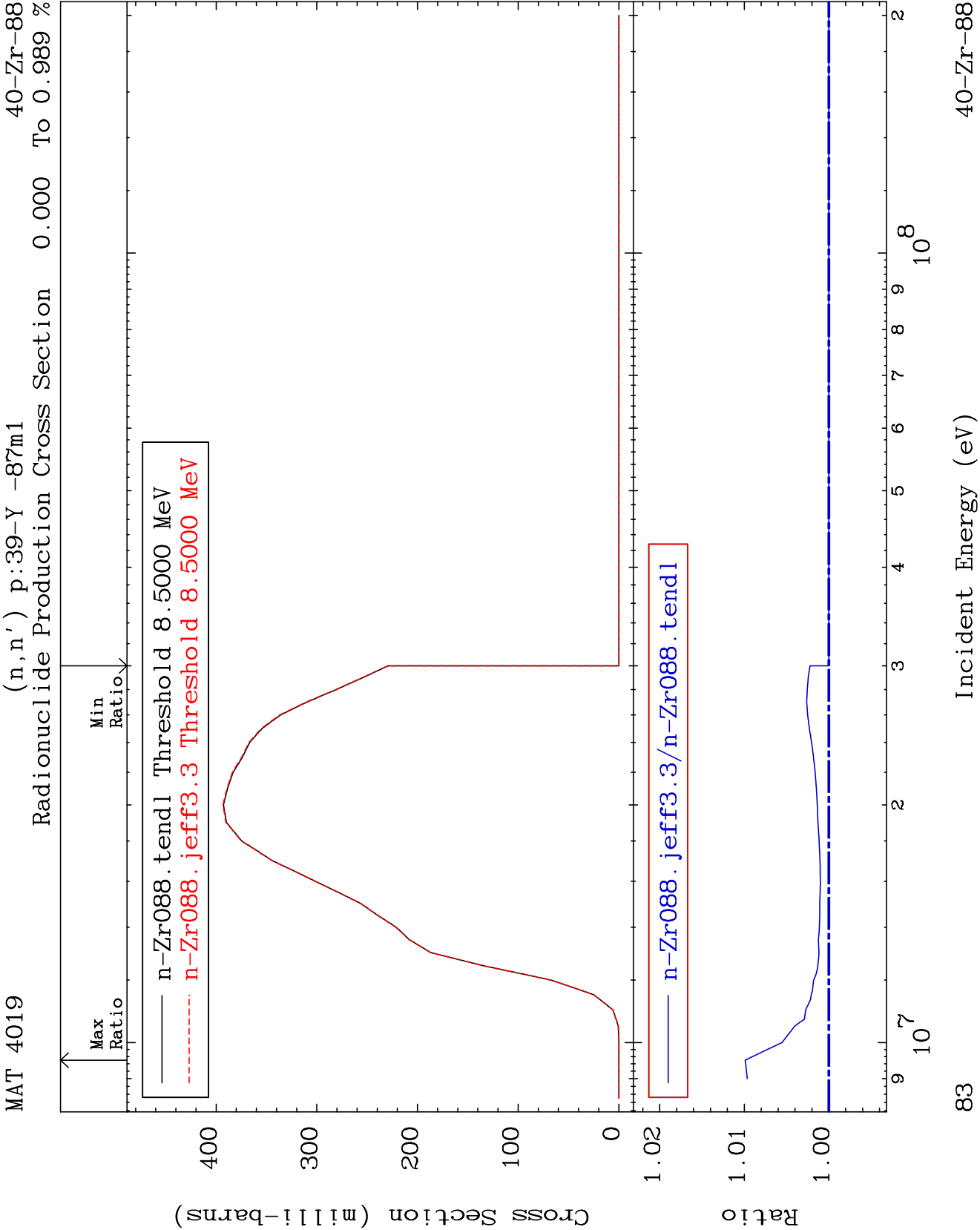
Radionuclide Production Cross Section 0.000 To 5.392 %

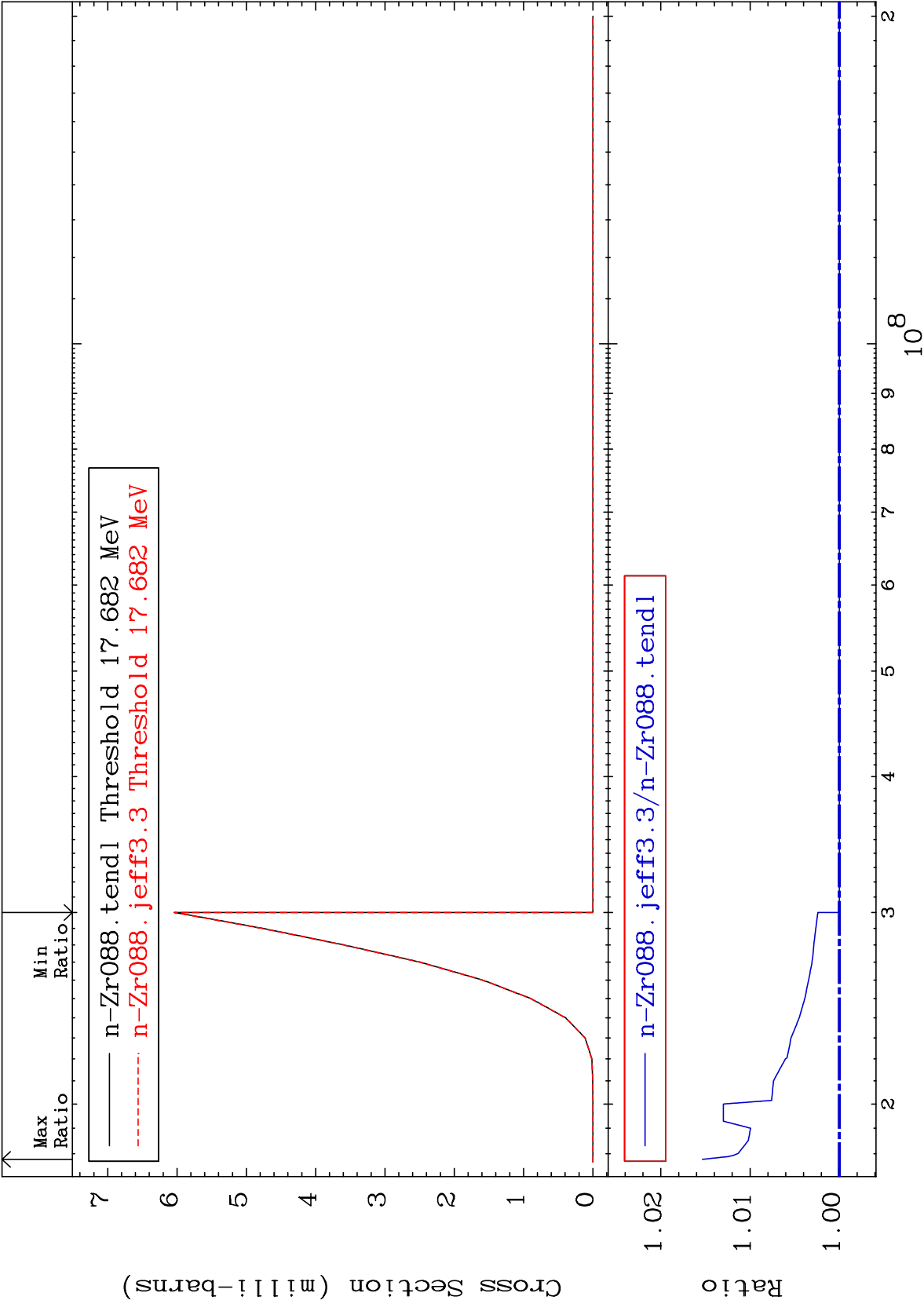


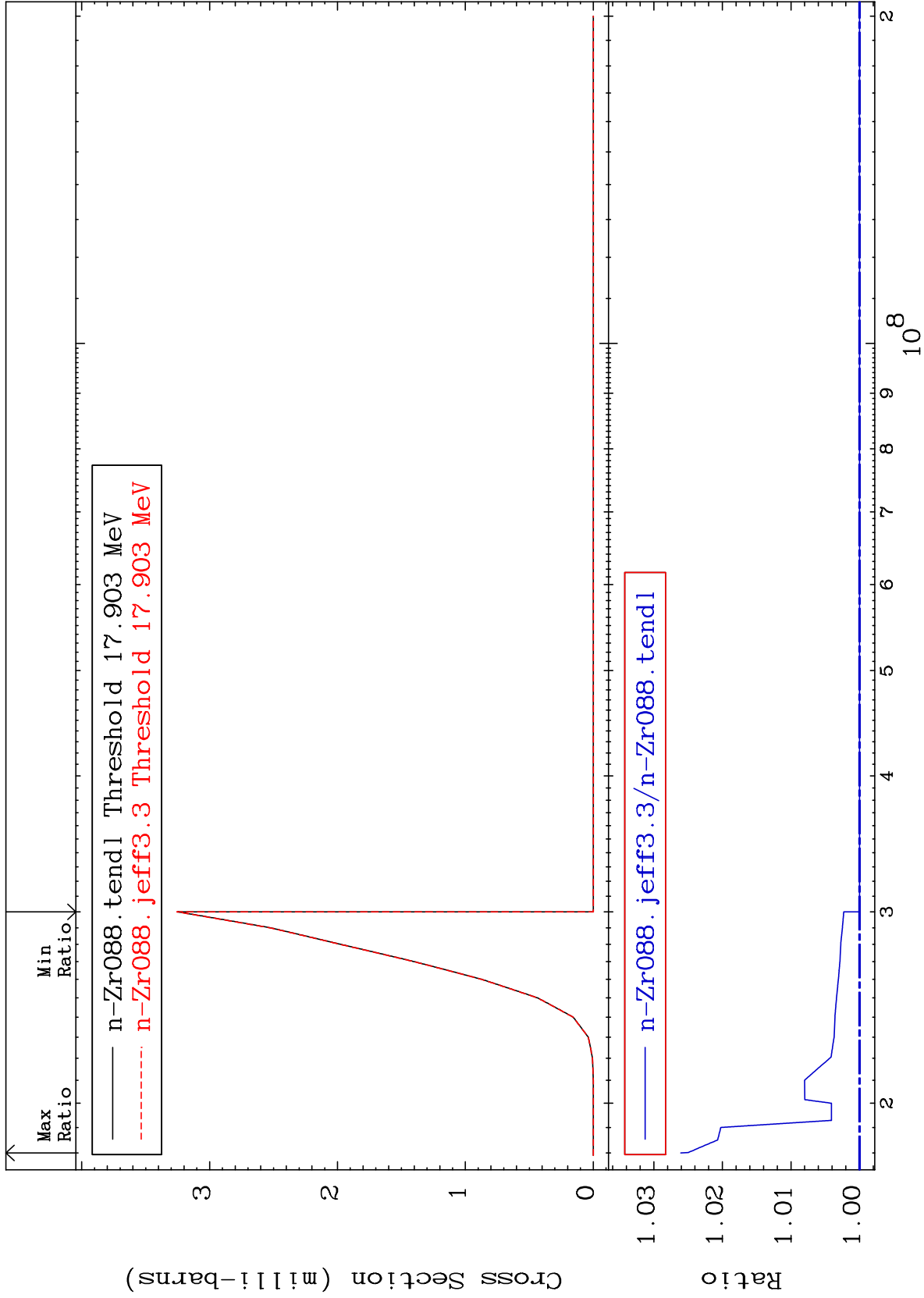
82

Incident Energy (eV)

40-Zr-88





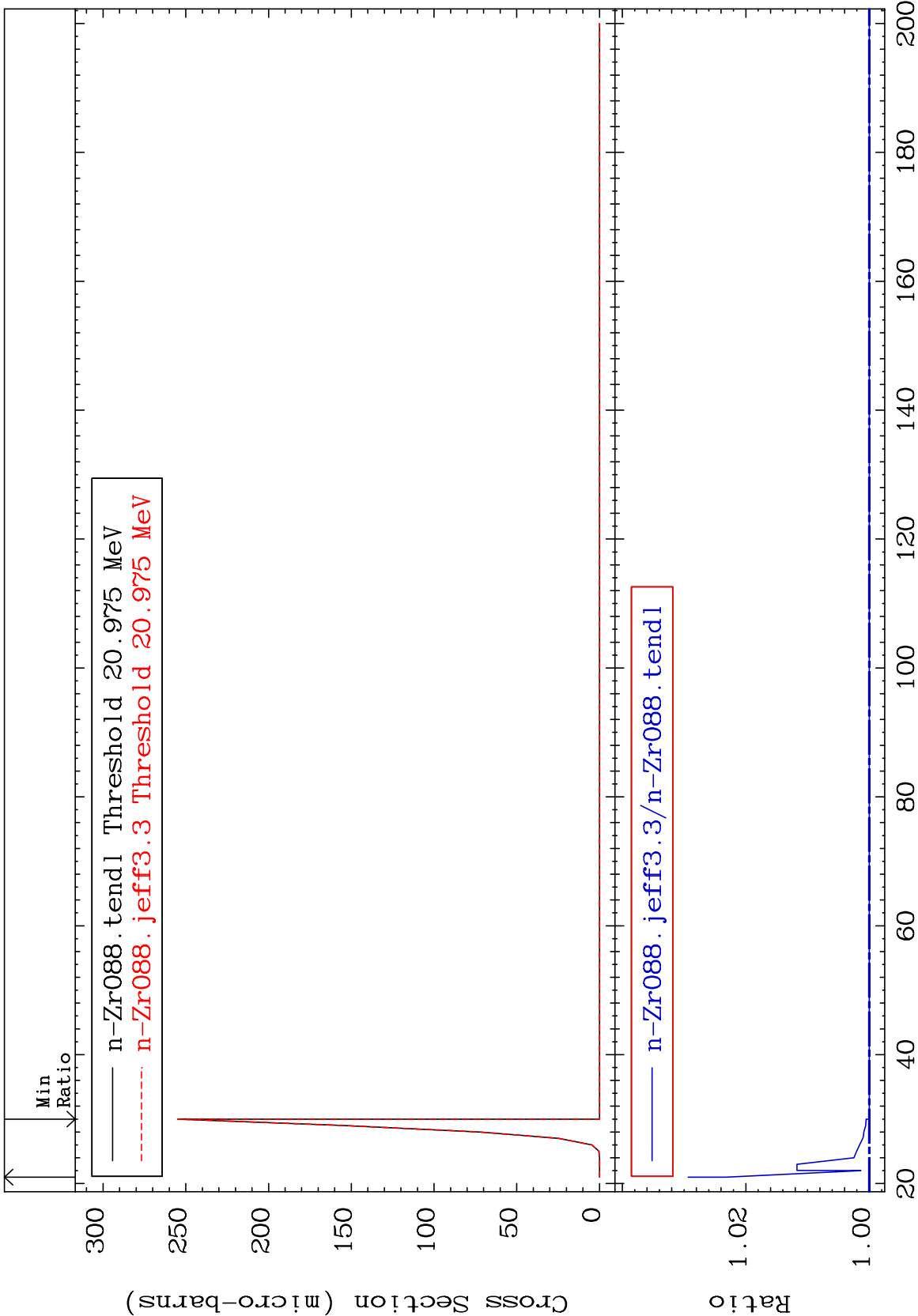


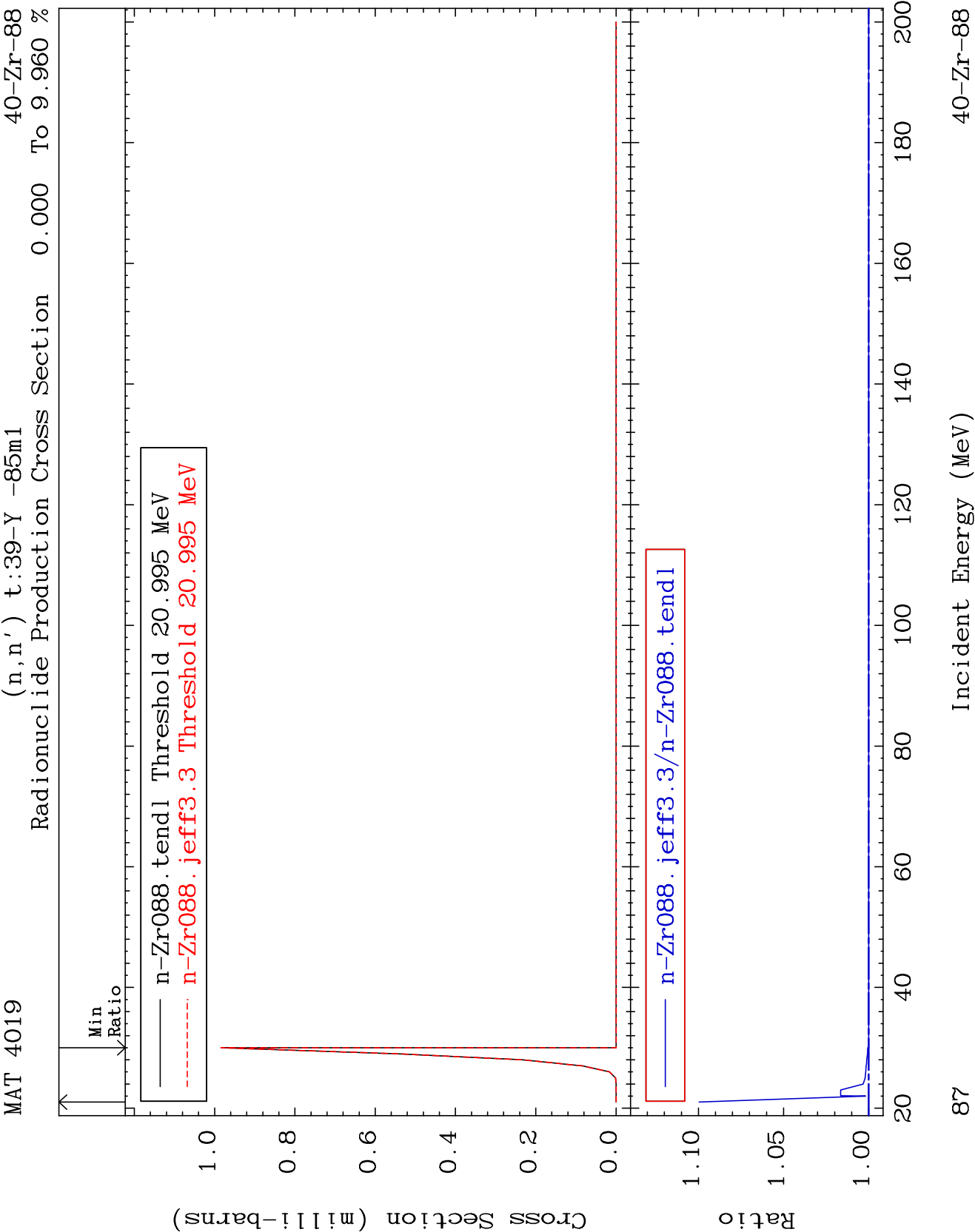
MAT 4019

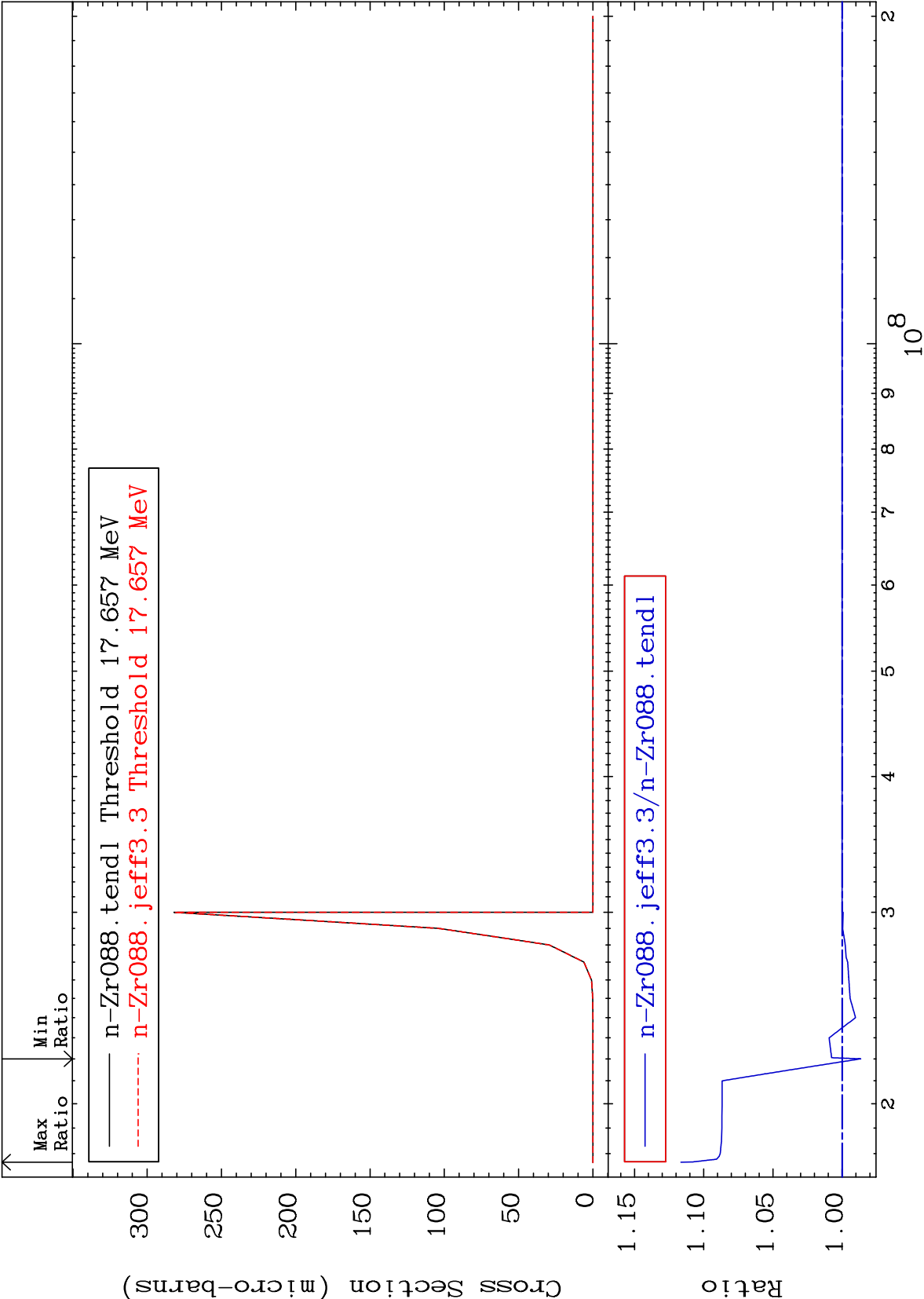
(n,n') t:39-Y -85g

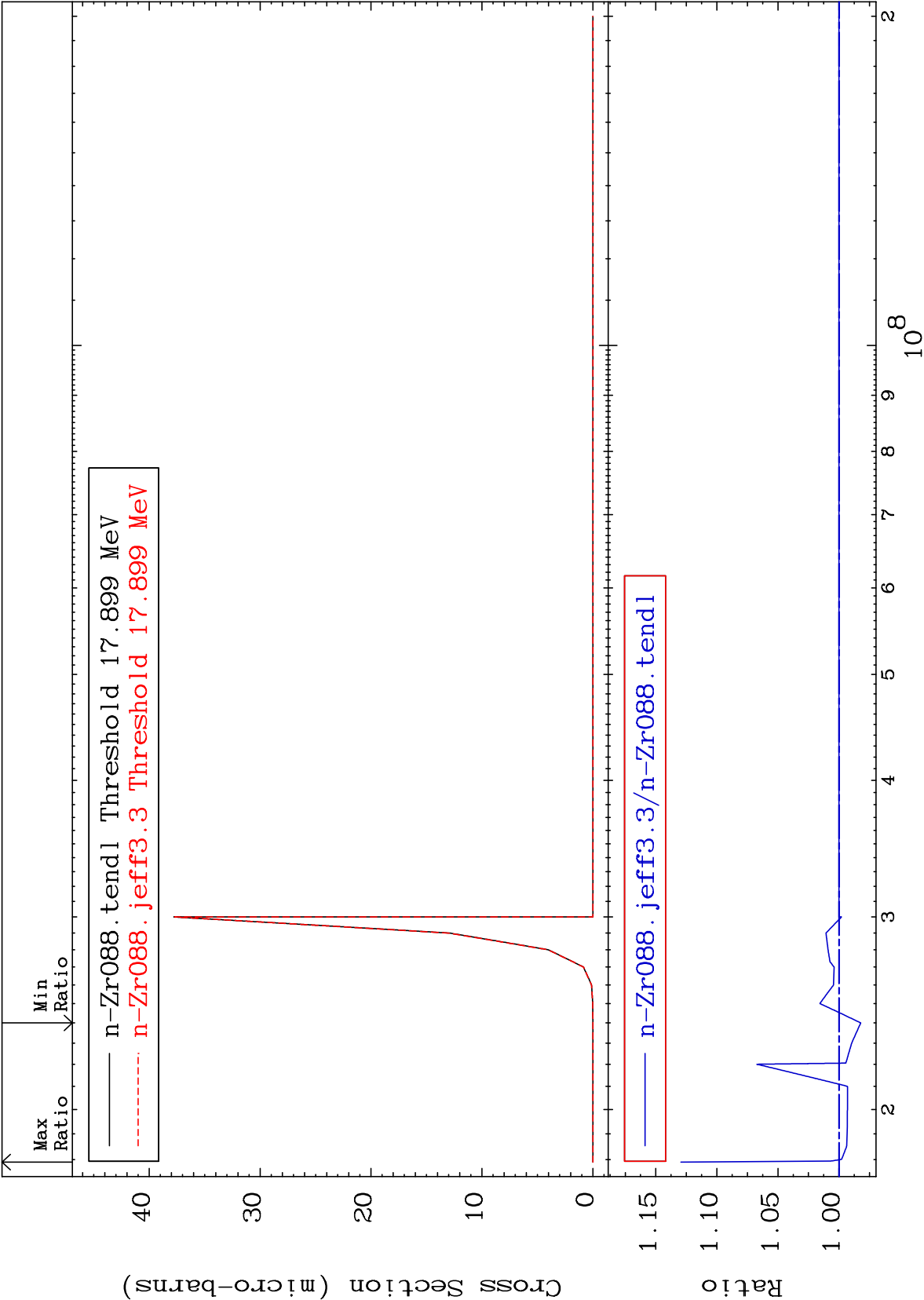
40-Zr-88

Radionuclide Production Cross Section 0.000 To 2.934 %







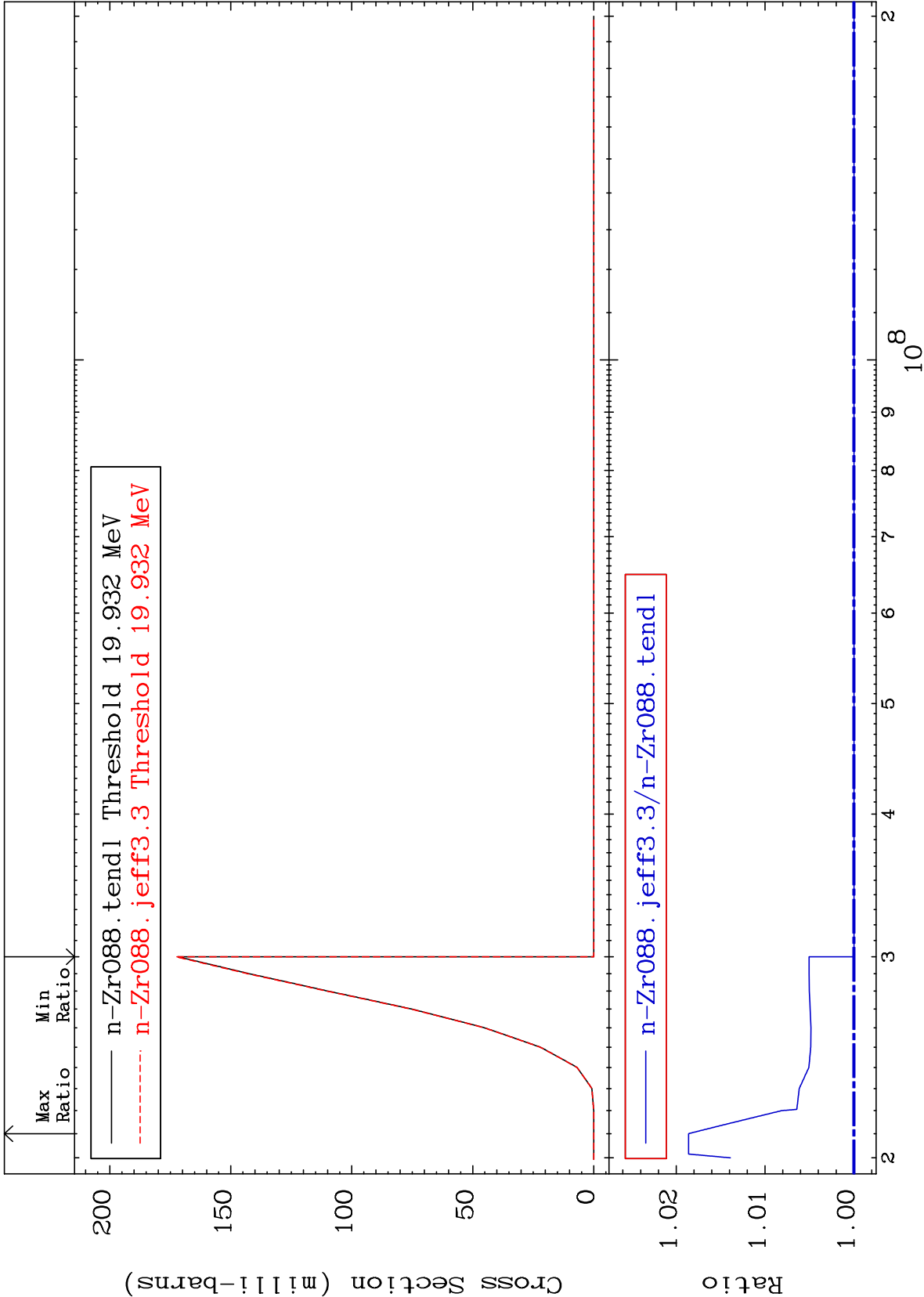


MAT 4019

(n,2n) p:39-Y -86g

40-Zr-88

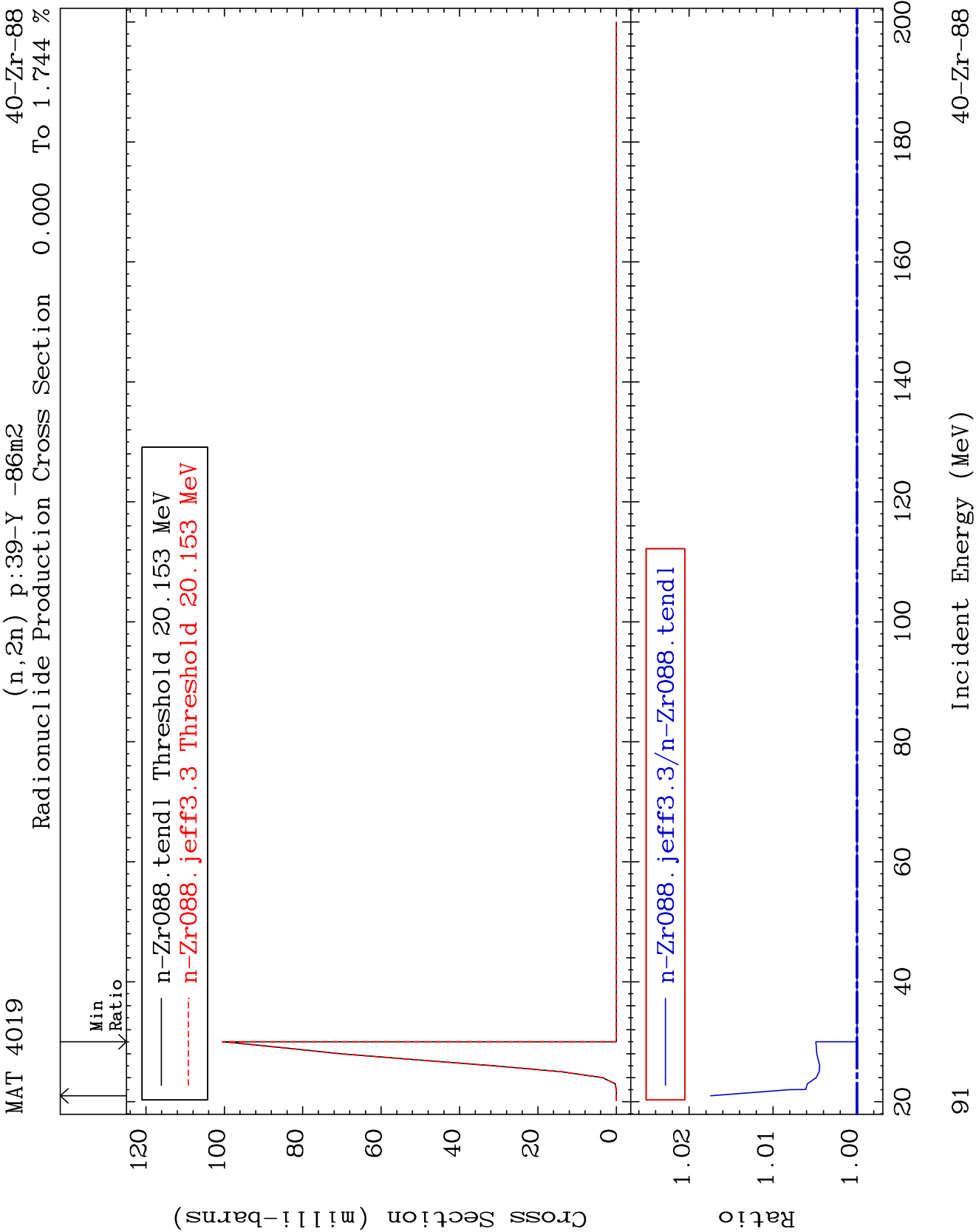
Radionuclide Production Cross Section 0.000 To 1.862 %



90

Incident Energy (eV)

40-Zr-88



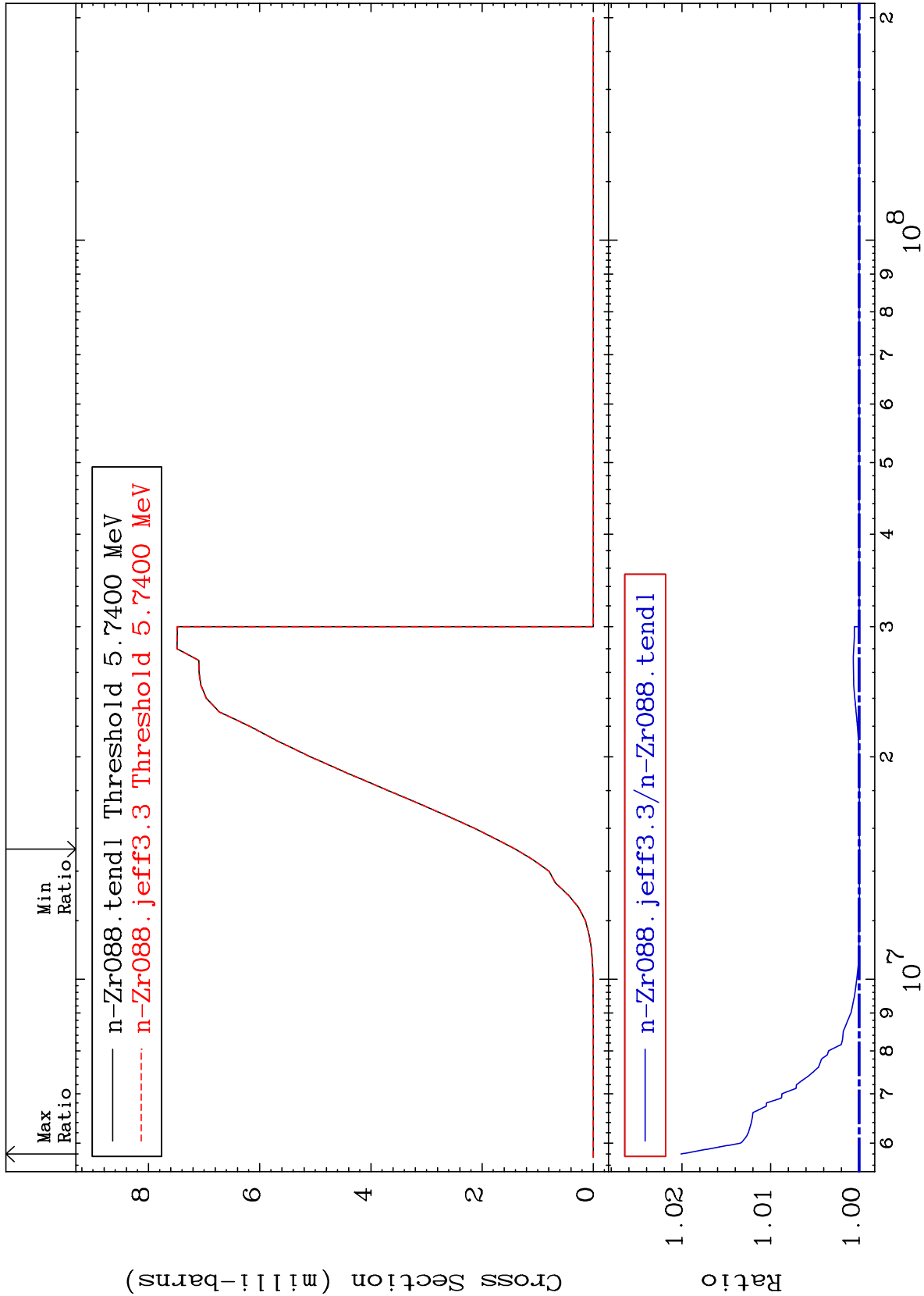
MAT 4019

(n,d):39-Y -87g

40-Zr-88

Radionuclide Production Cross Section

-0.004 To 2.014 %



92

Incident Energy (eV)

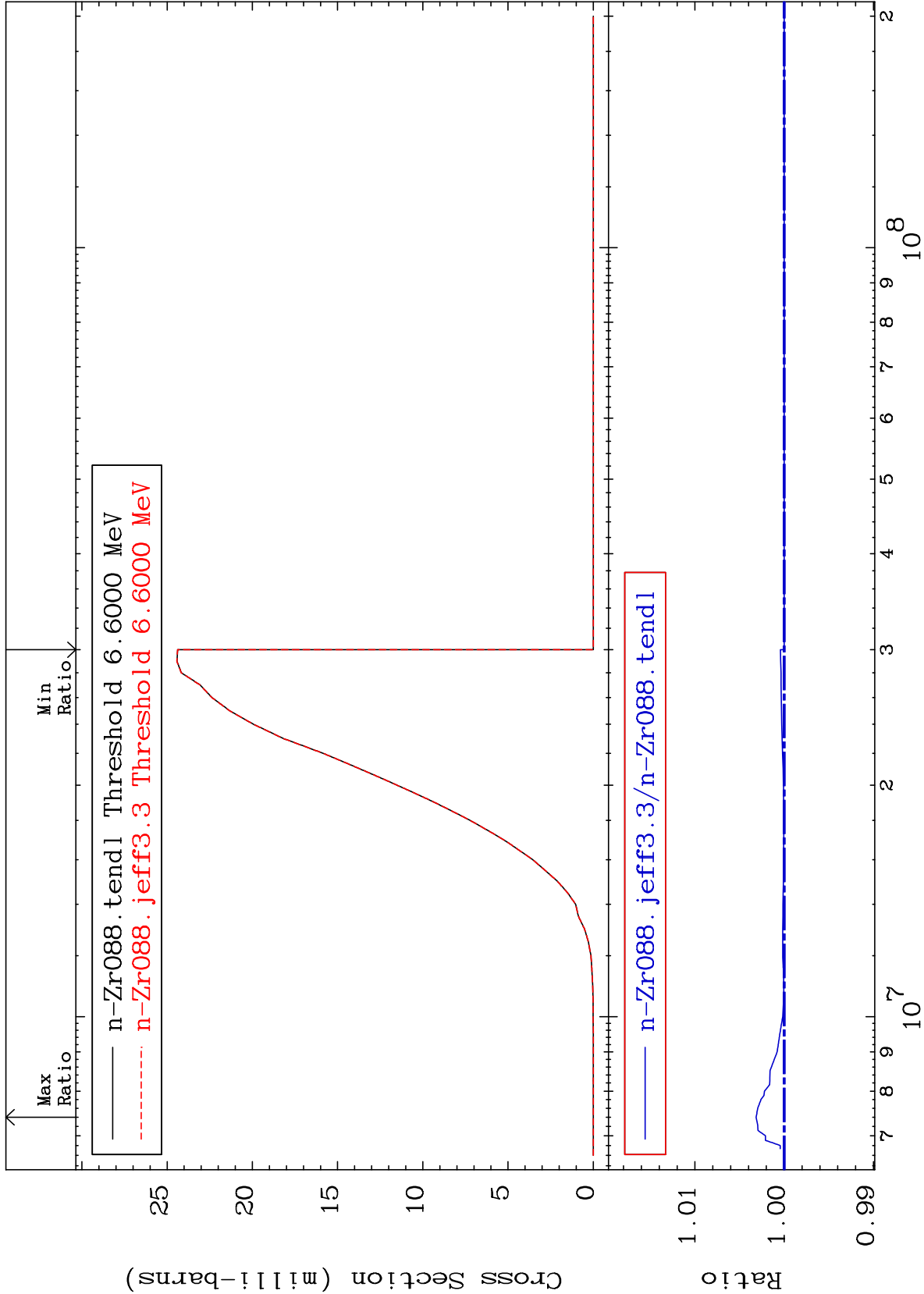
40-Zr-88

MAT 4019

(n,d):39-Y -87m1

40-Zr-88

Radionuclide Production Cross Section 0.000 To 0.314 %



MAT 4019

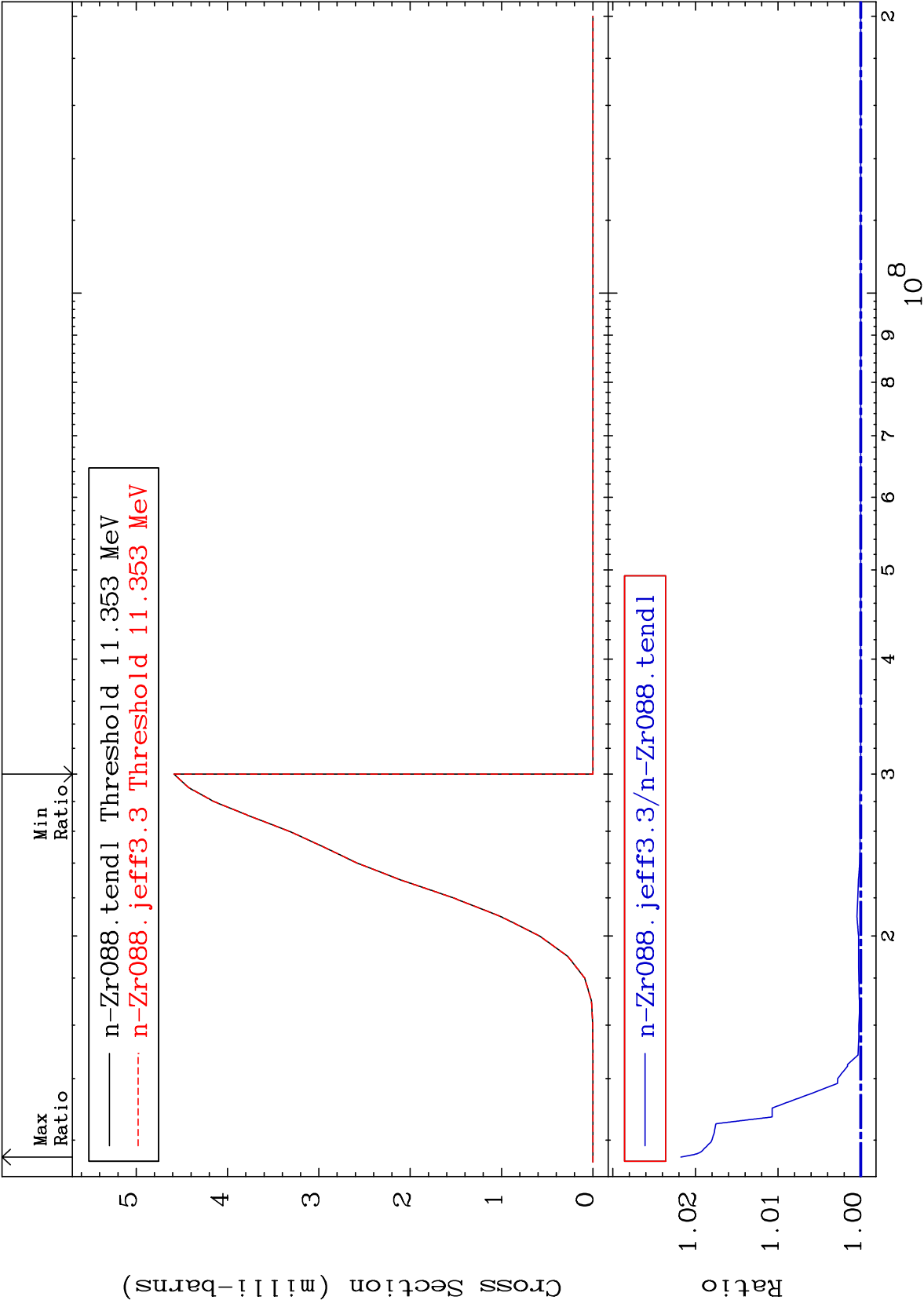
(n,t):39-Y -86g

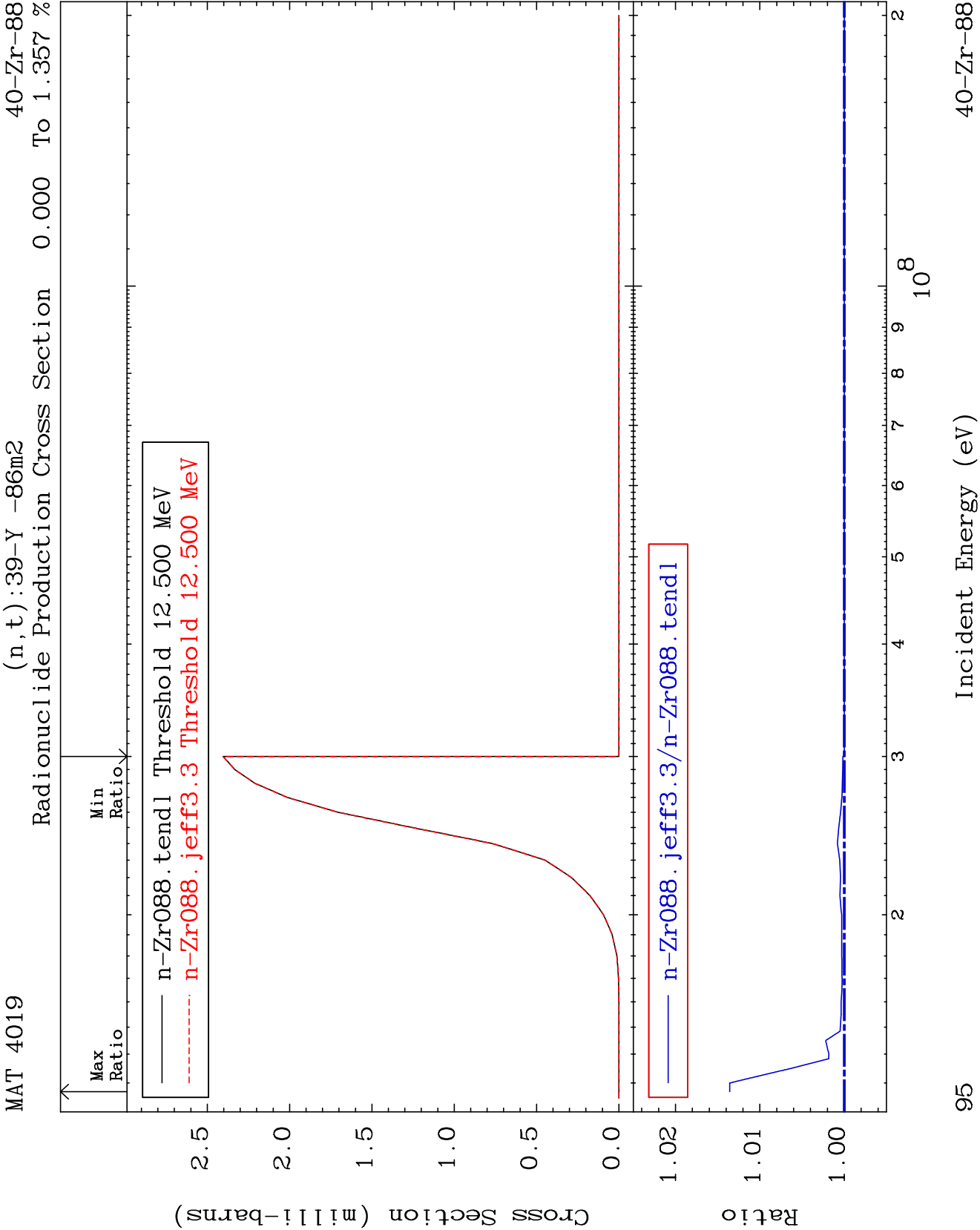
40-Zr-88

Radionuclide Production Cross Section

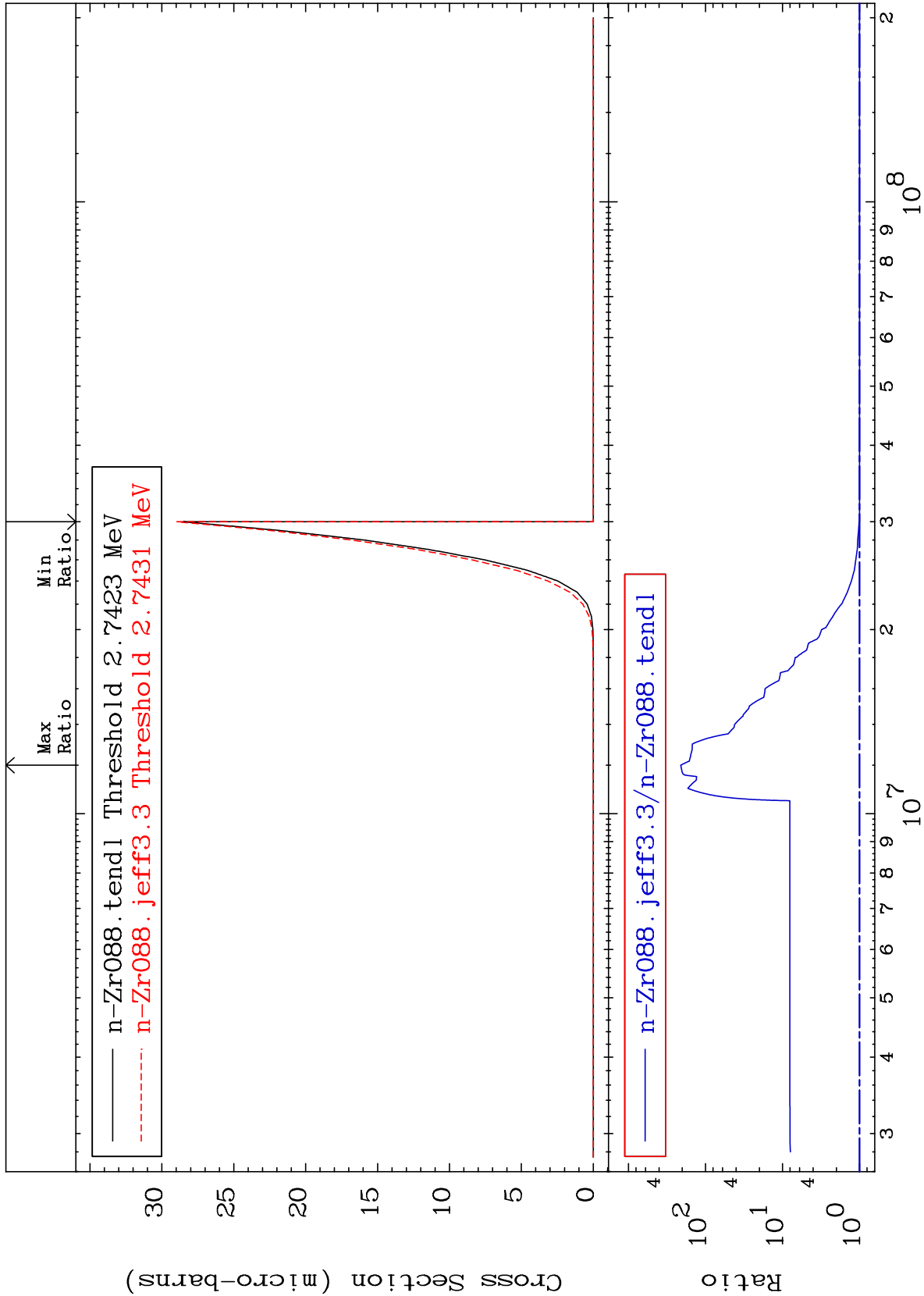
0.000

To 2.177 %

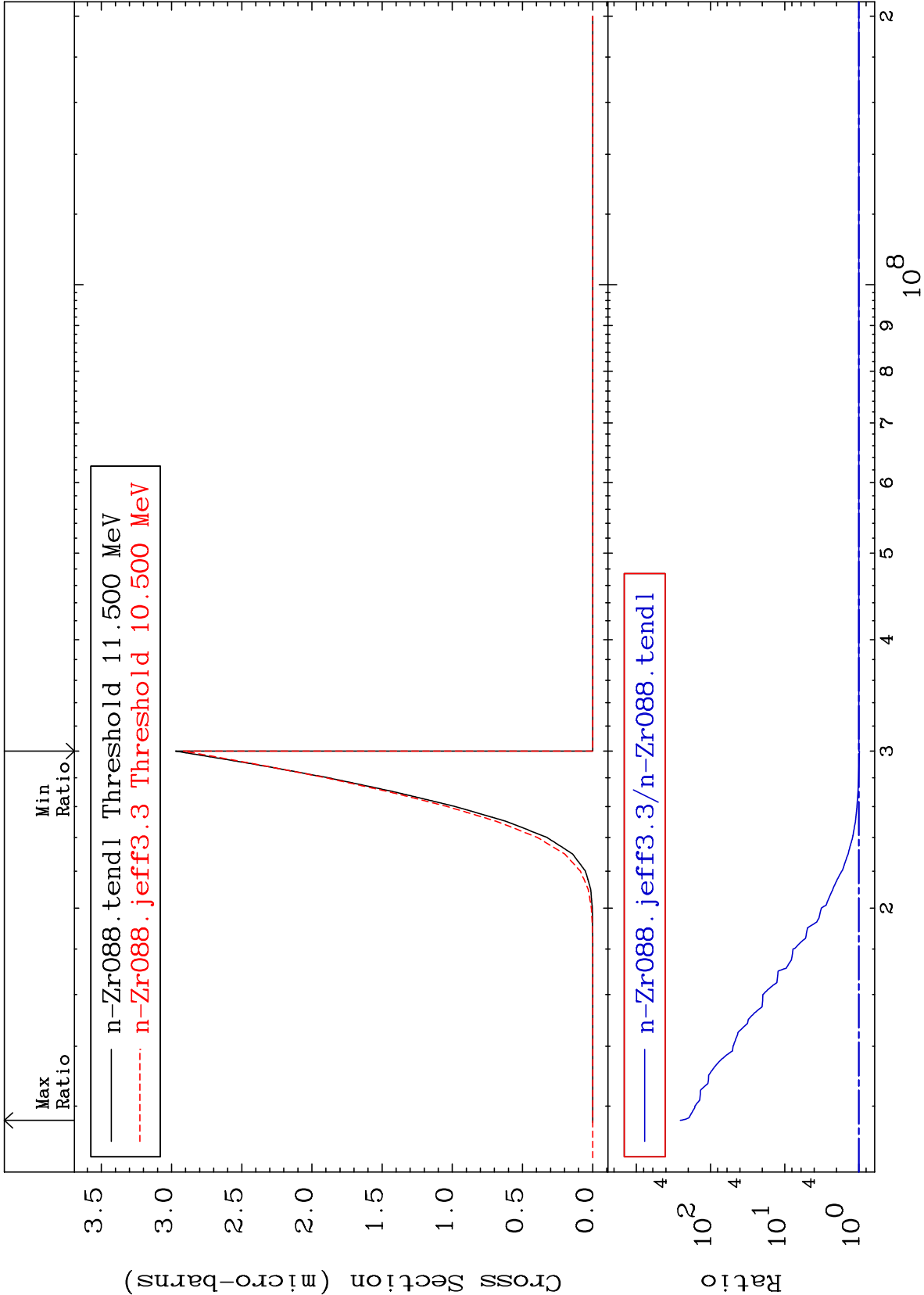


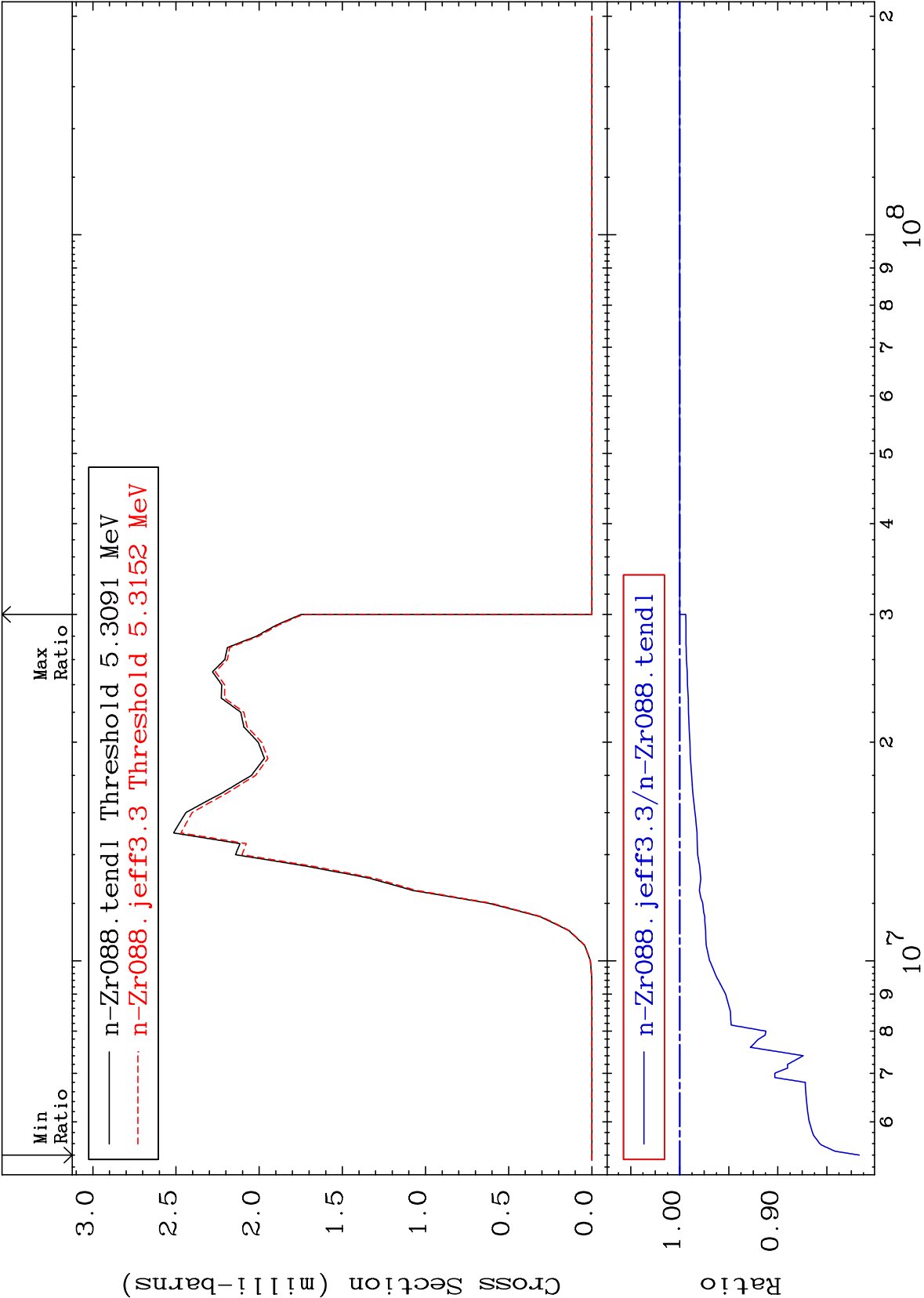


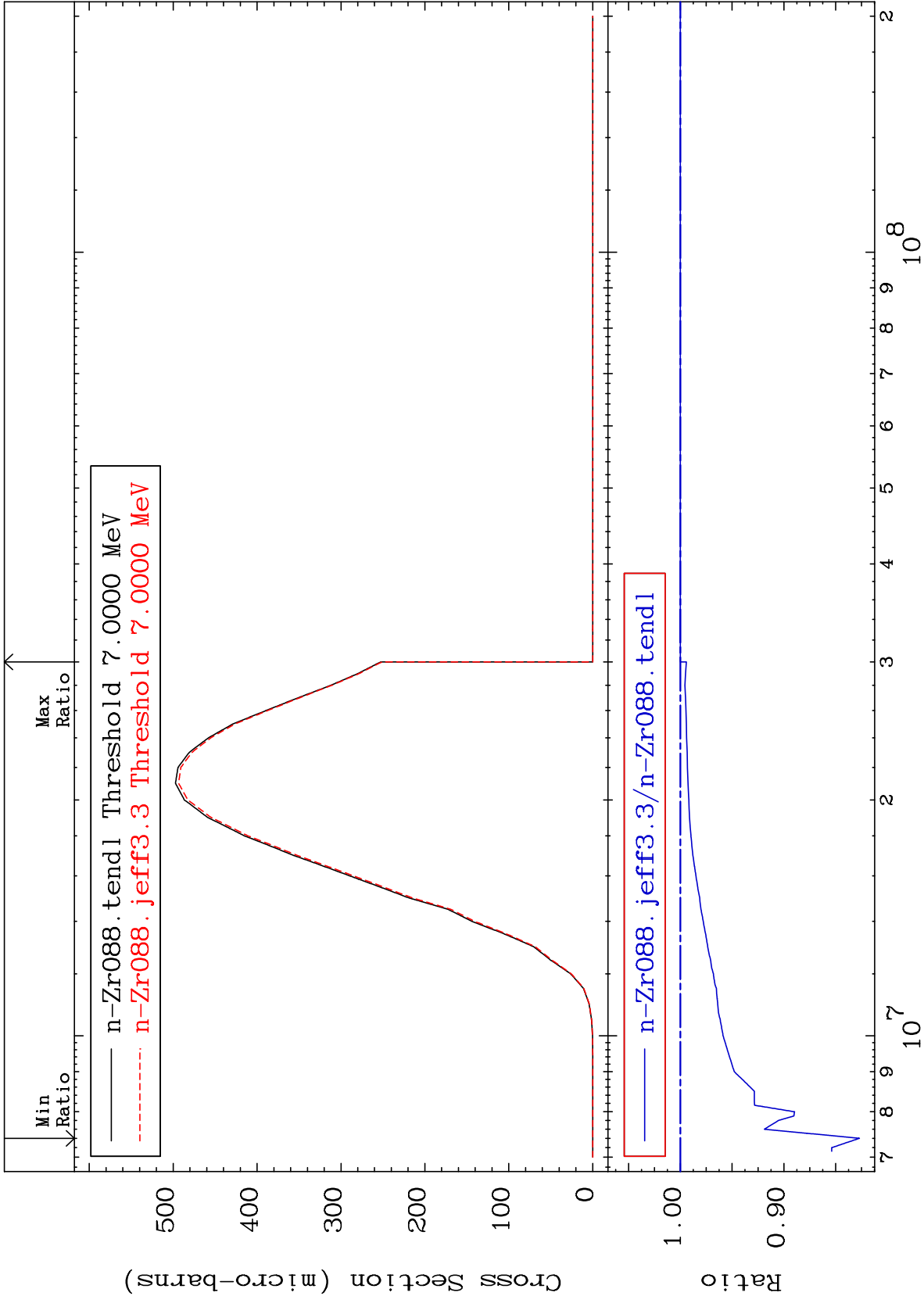
Radionuclide Production Cross Section 0.000 To 9999. %

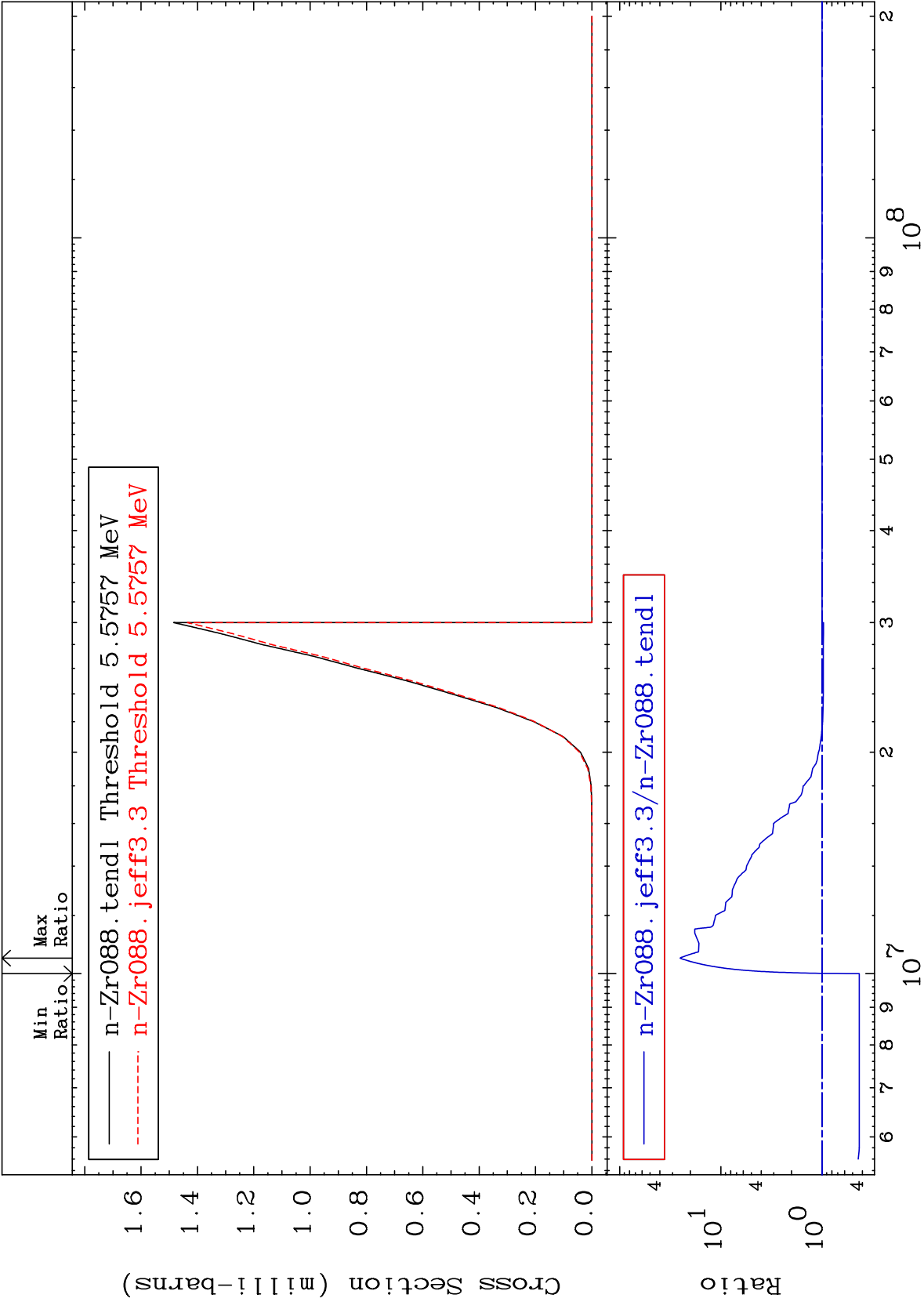


Radionuclide Production Cross Section -1.890 To 9999. %







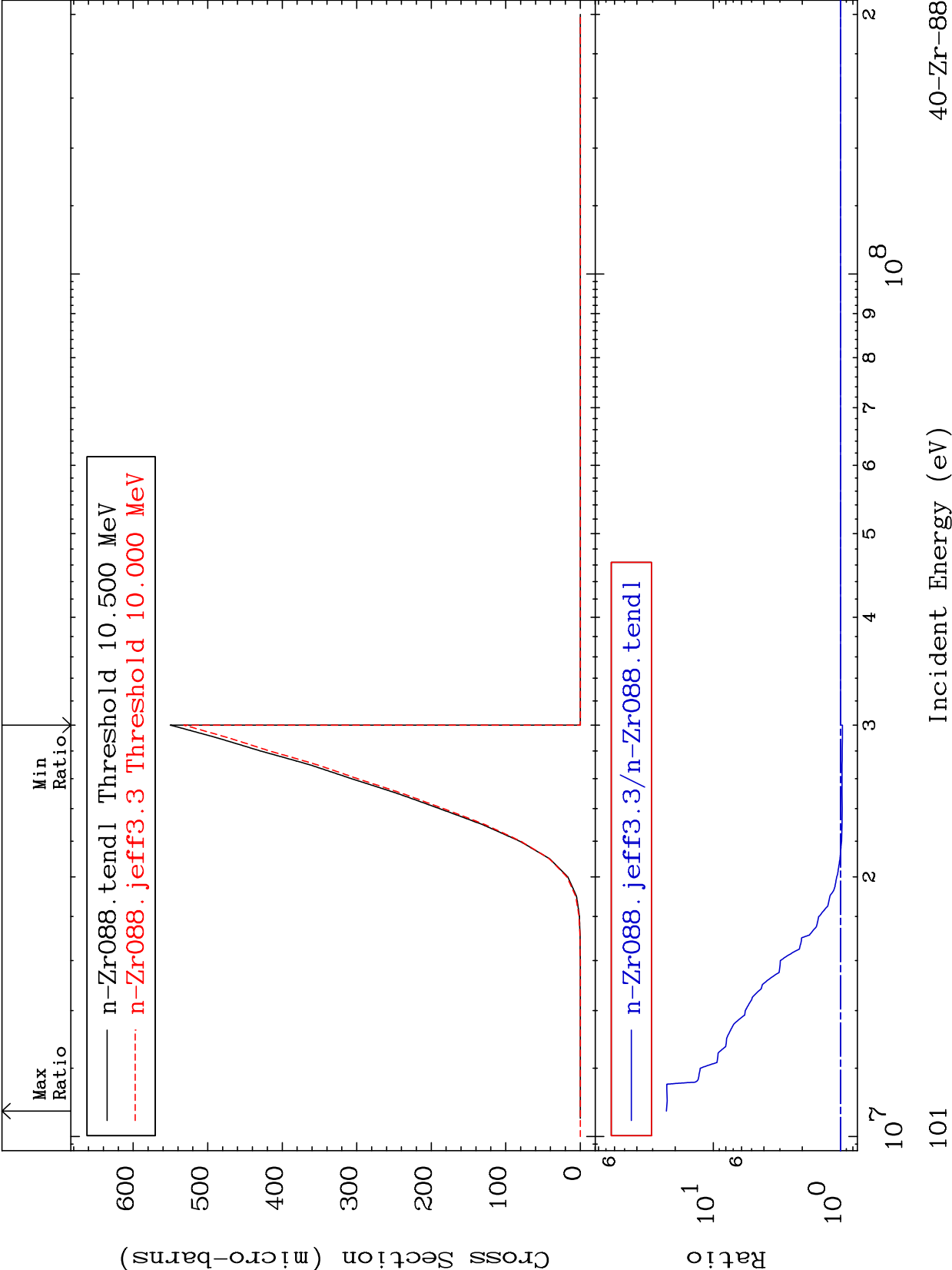


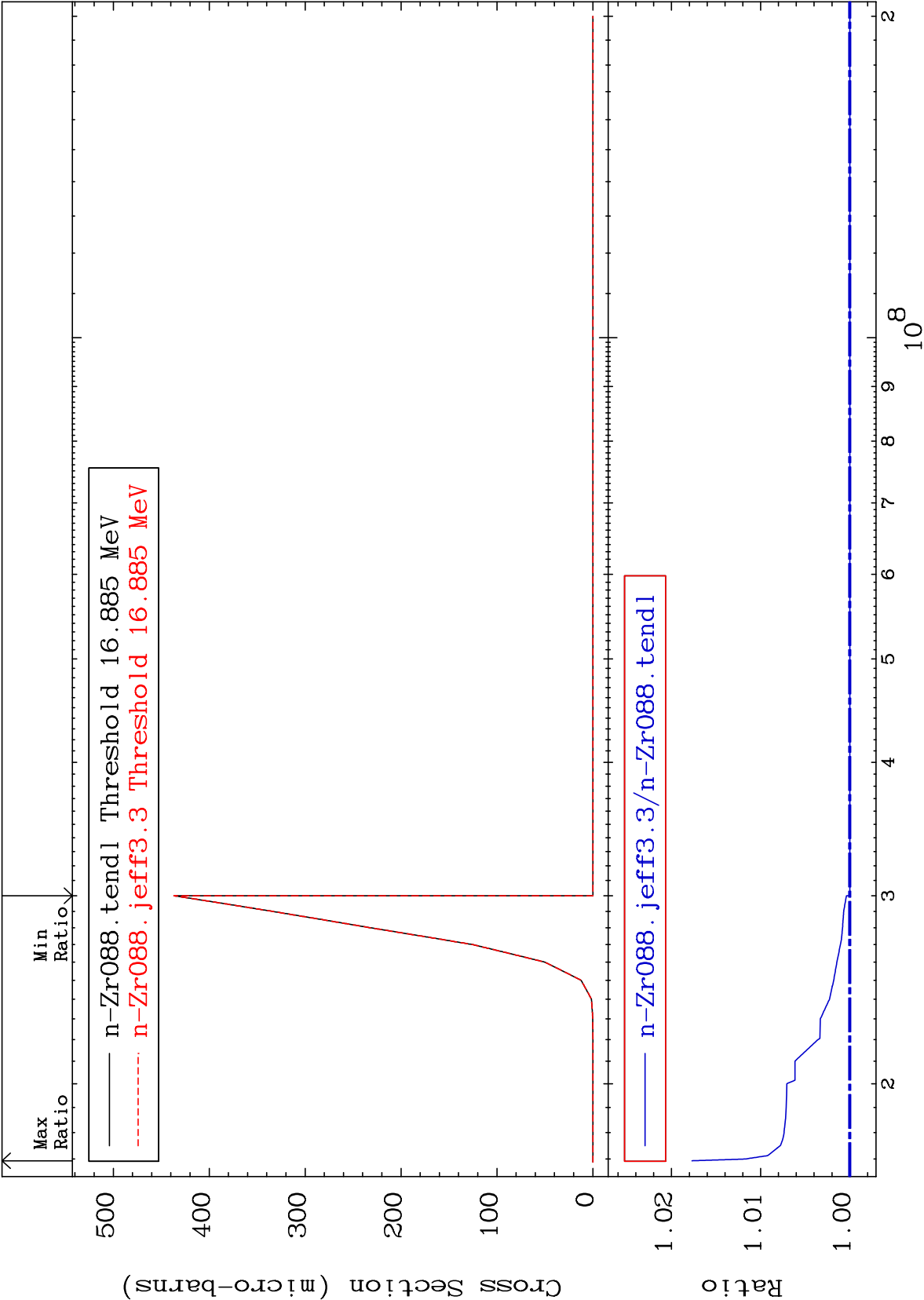
MAT 4019

(n,p) α :37-Rb-84m2

40-Zr-88

Radionuclide Production Cross Section -3.306 To 2241. %





Radionuclide Production Cross Section 0.000 To 1.035 %

