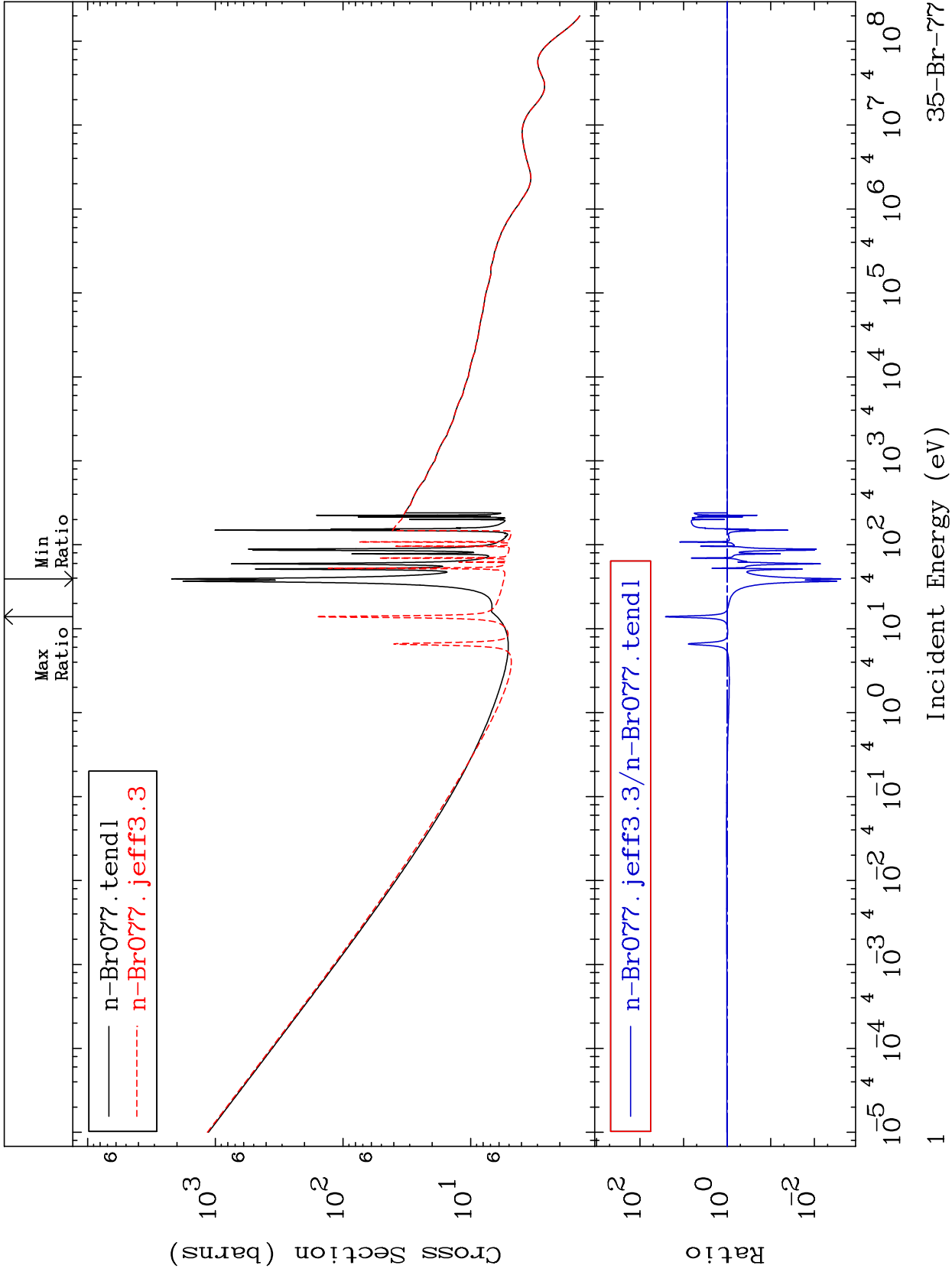


MAT 3519

35-Br-77

-99.75 To 2502. %

Total  
Cross Section

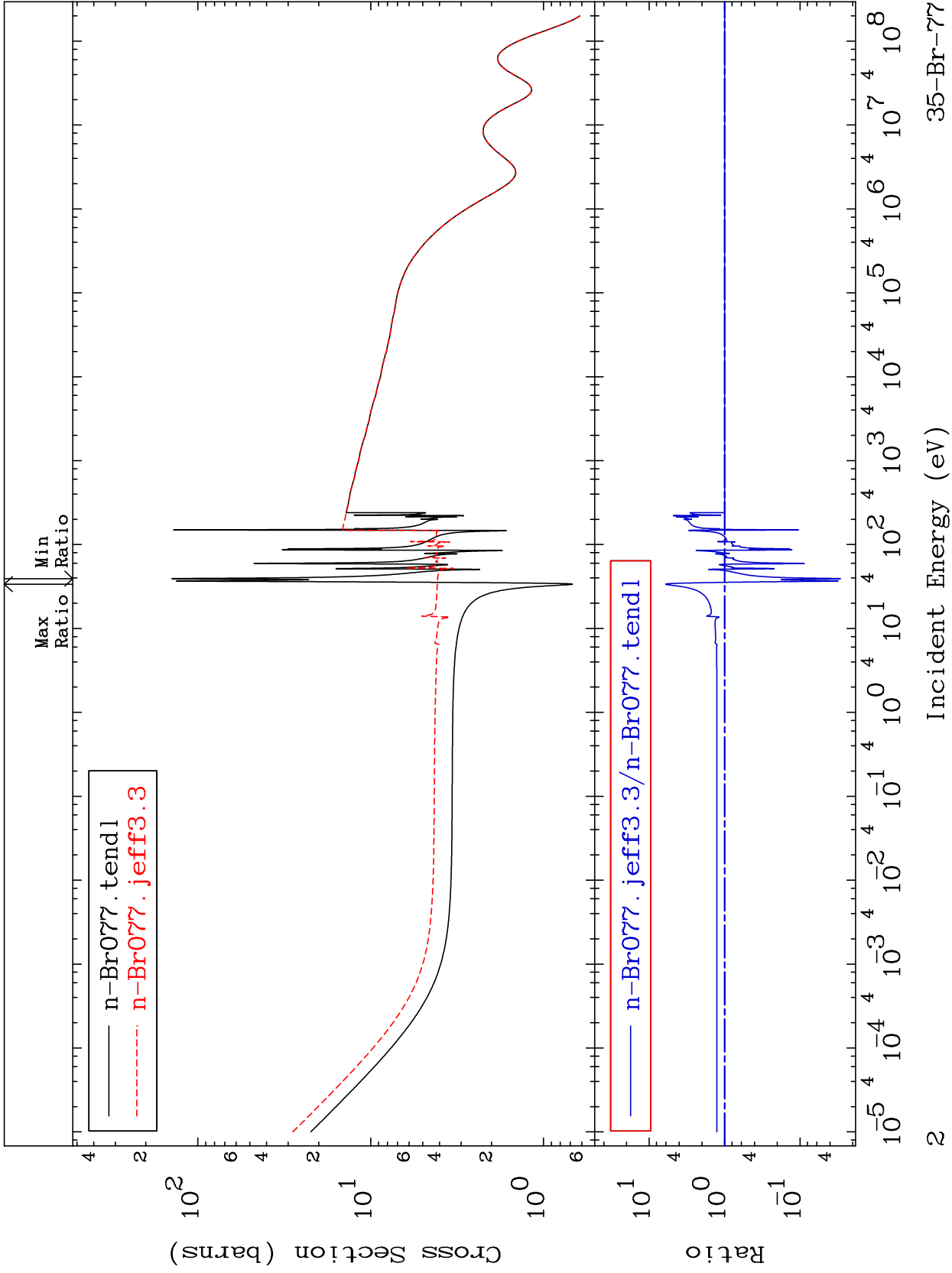


35-Br-77

MAT 3519

Elastic  
Cross Section

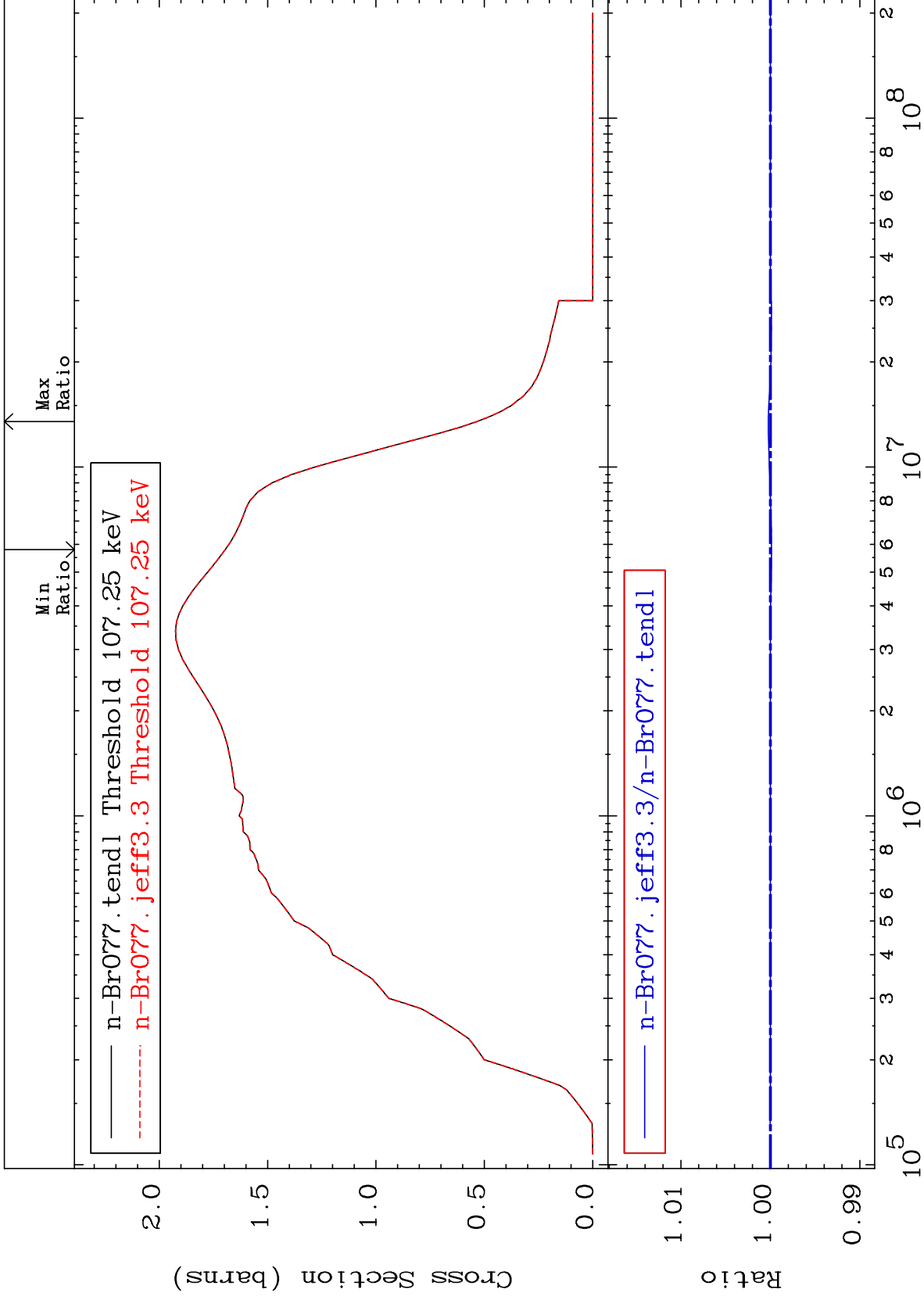
35-Br-77  
-97.11 To 507.8 %



MAT 3519

Inelastic  
Cross Section

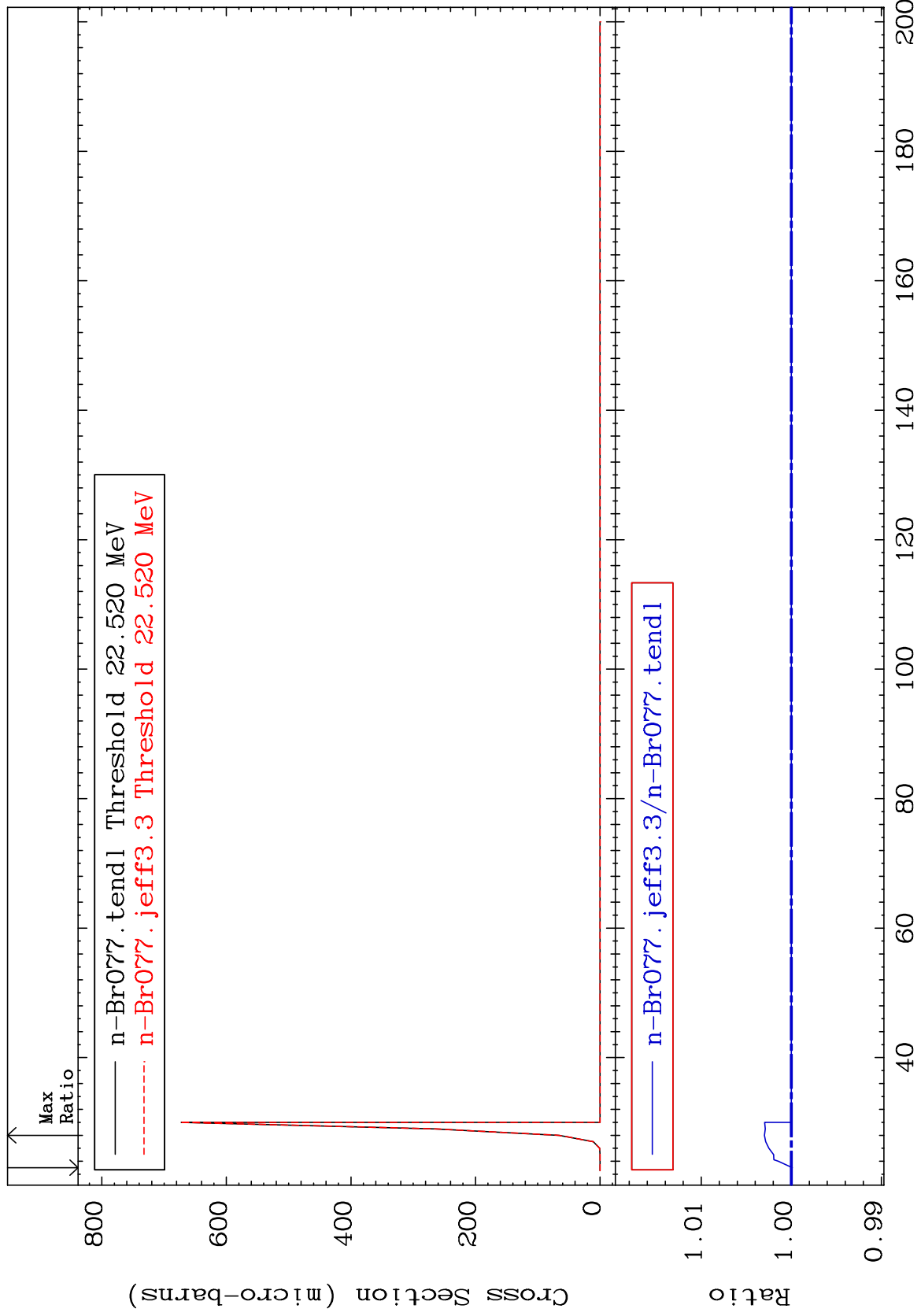
35-Br-77  
-0.013 To 0.024 %



MAT 3519

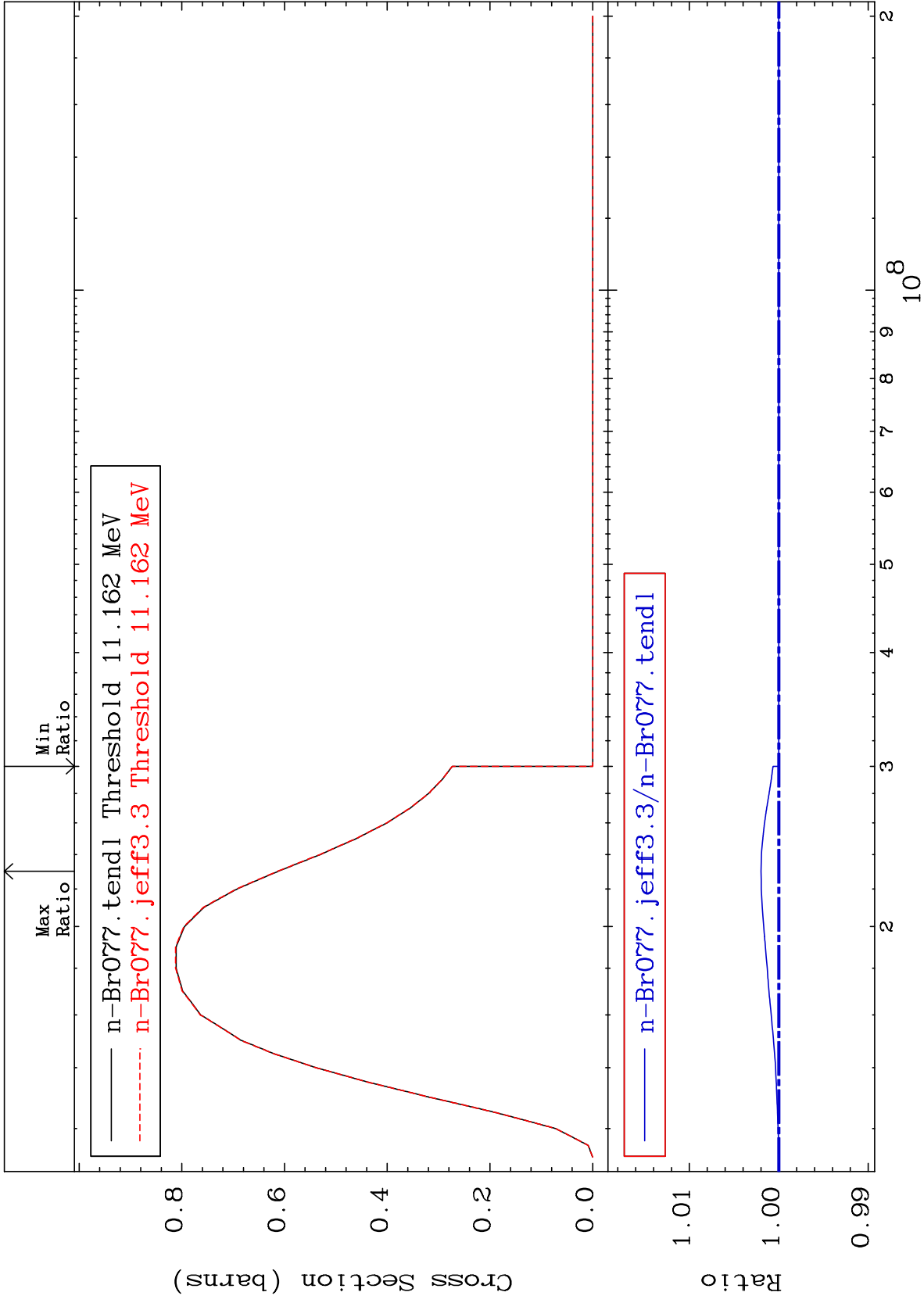
(n,2n) d  
Cross Section

<sup>35</sup>Br-77  
-0.012 To 0.298 %



MAT 3519

(n,2n) Cross Section  
35-Br-77 To 0.199 %



MAT 3519

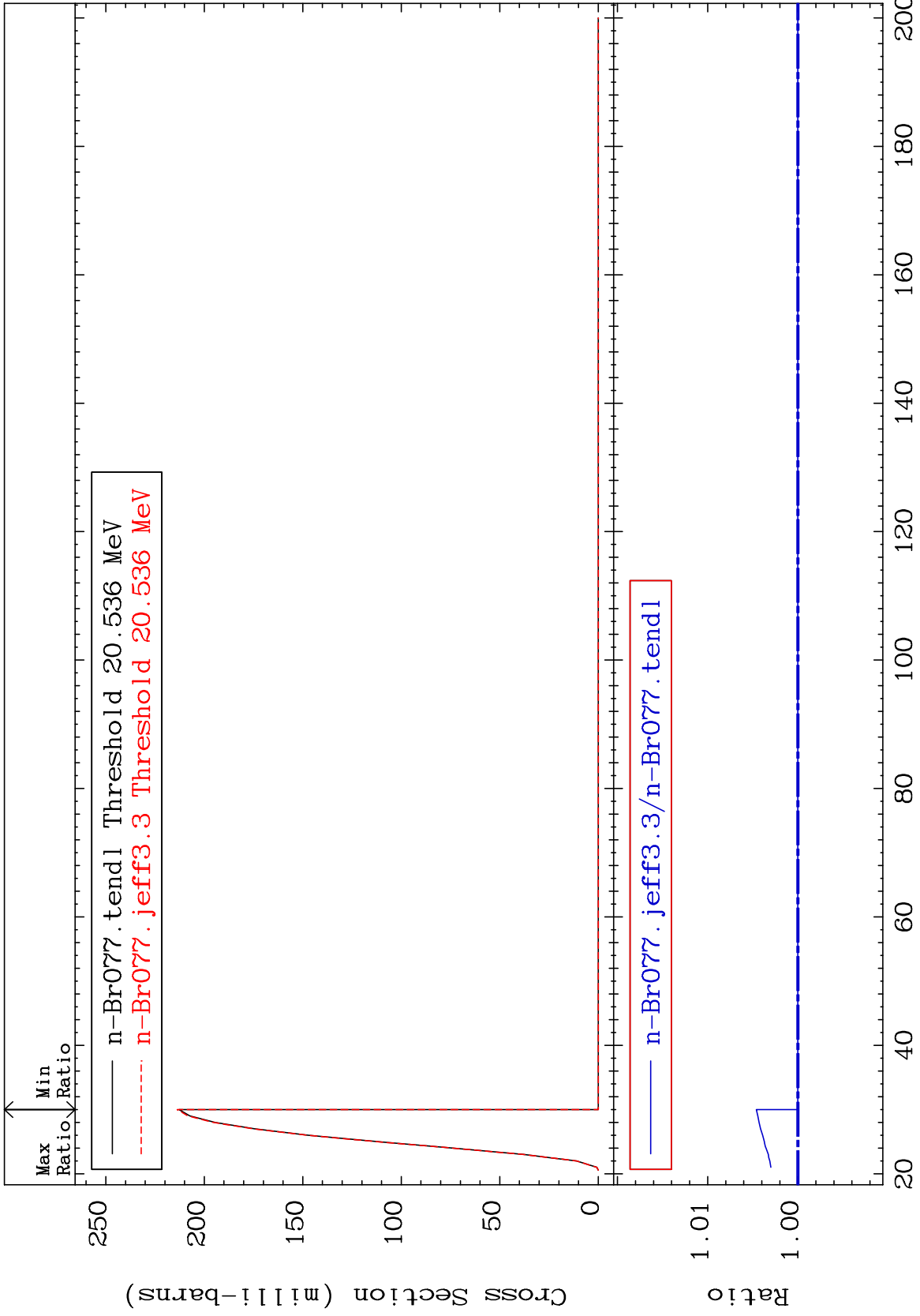
(n,3n)

<sup>35</sup>Br-77

Cross Section

0.000

To 0.460 %



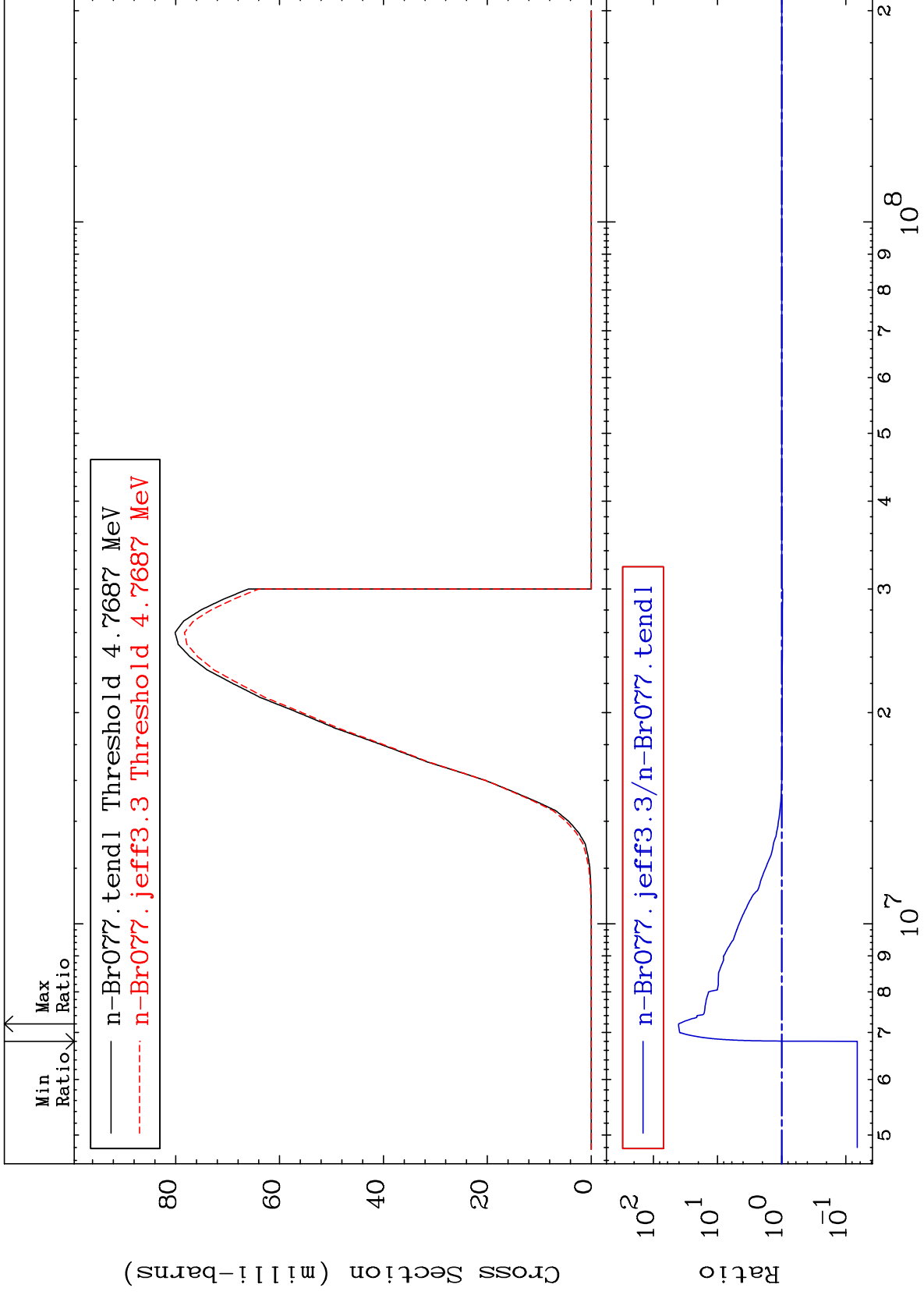
35-Br-77

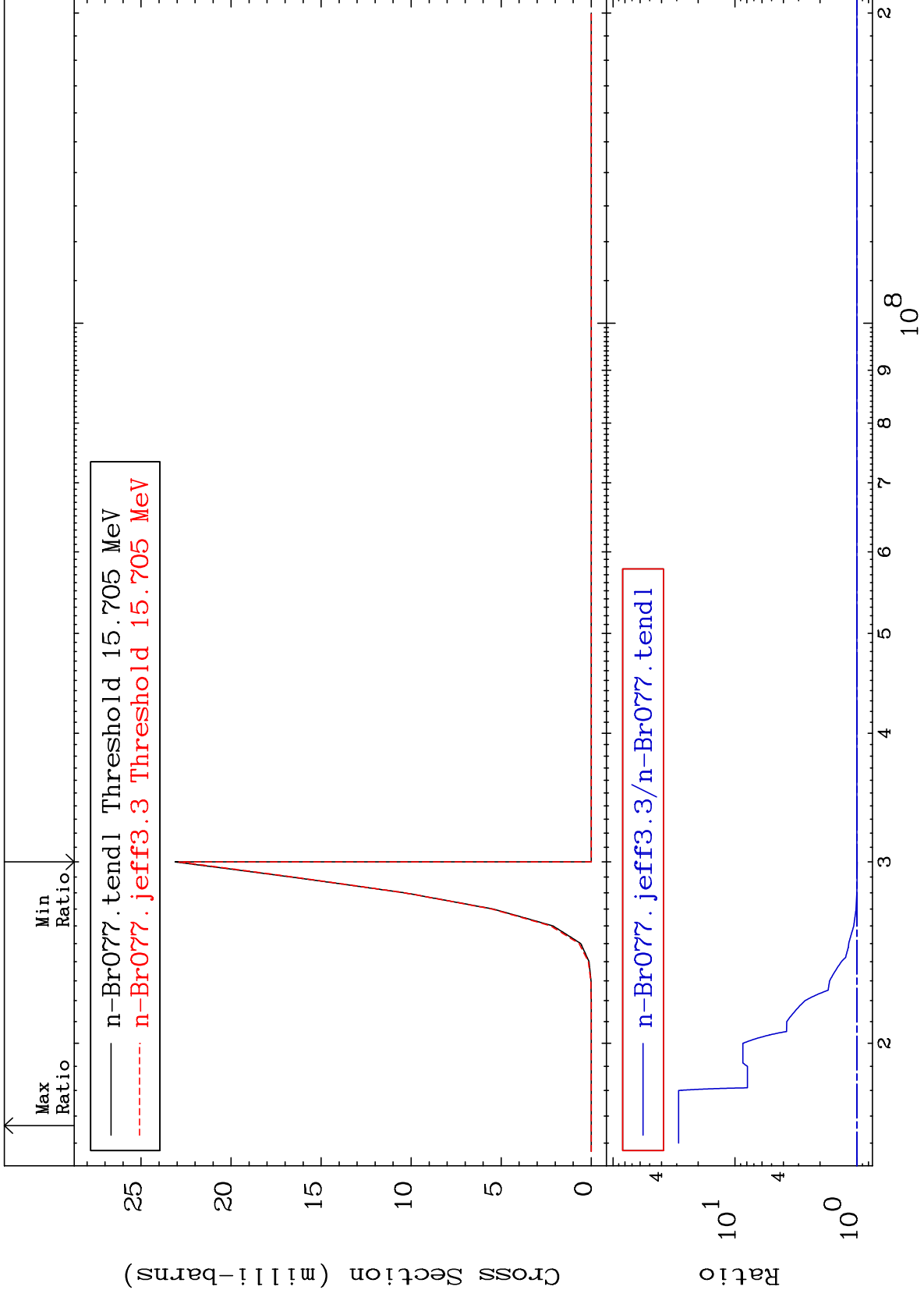
6

MAT 3519

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

35-Br-77  
-93.36 To 3947. %



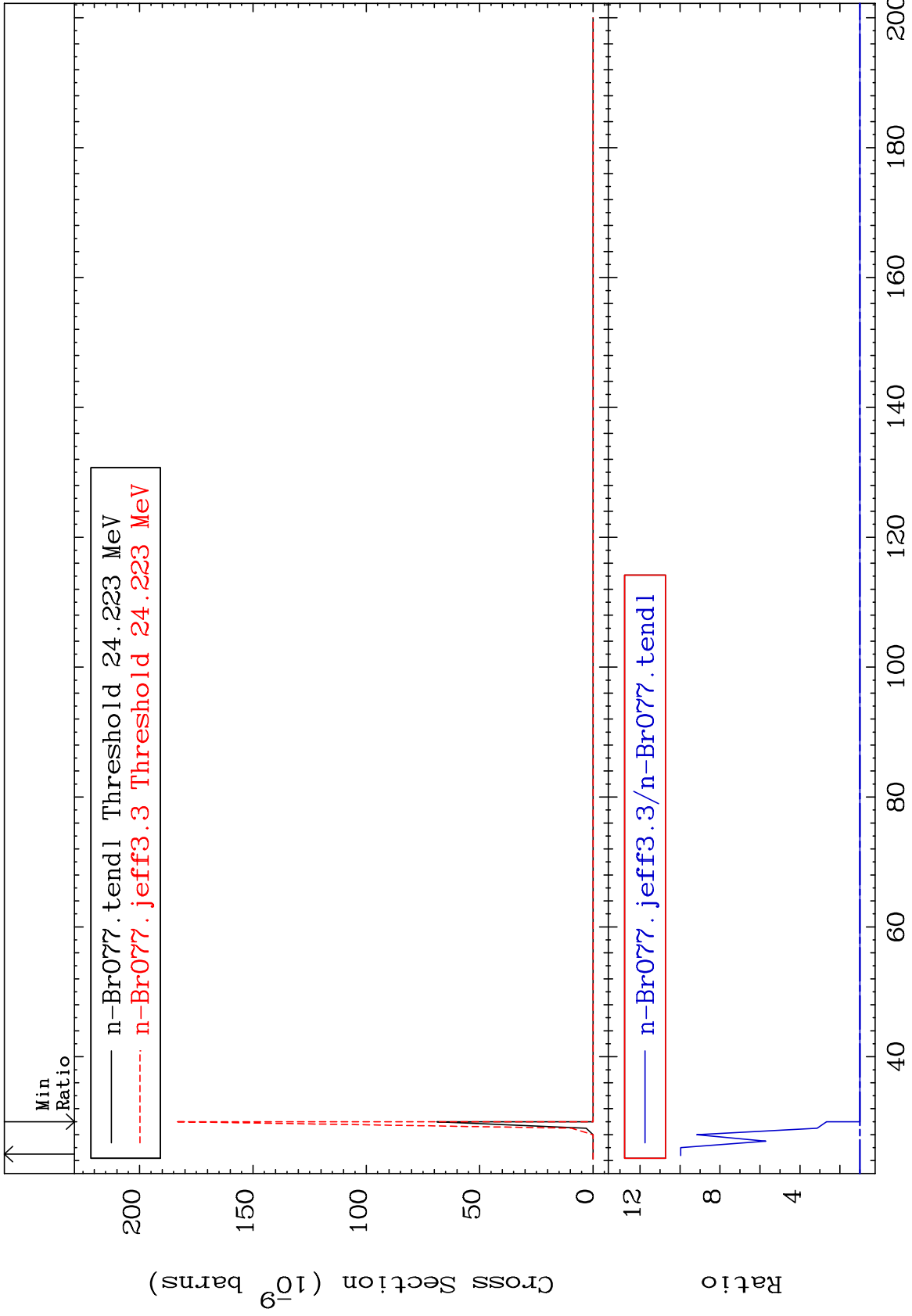




MAT 3519

(n,3n)  $\alpha$   
Cross Section

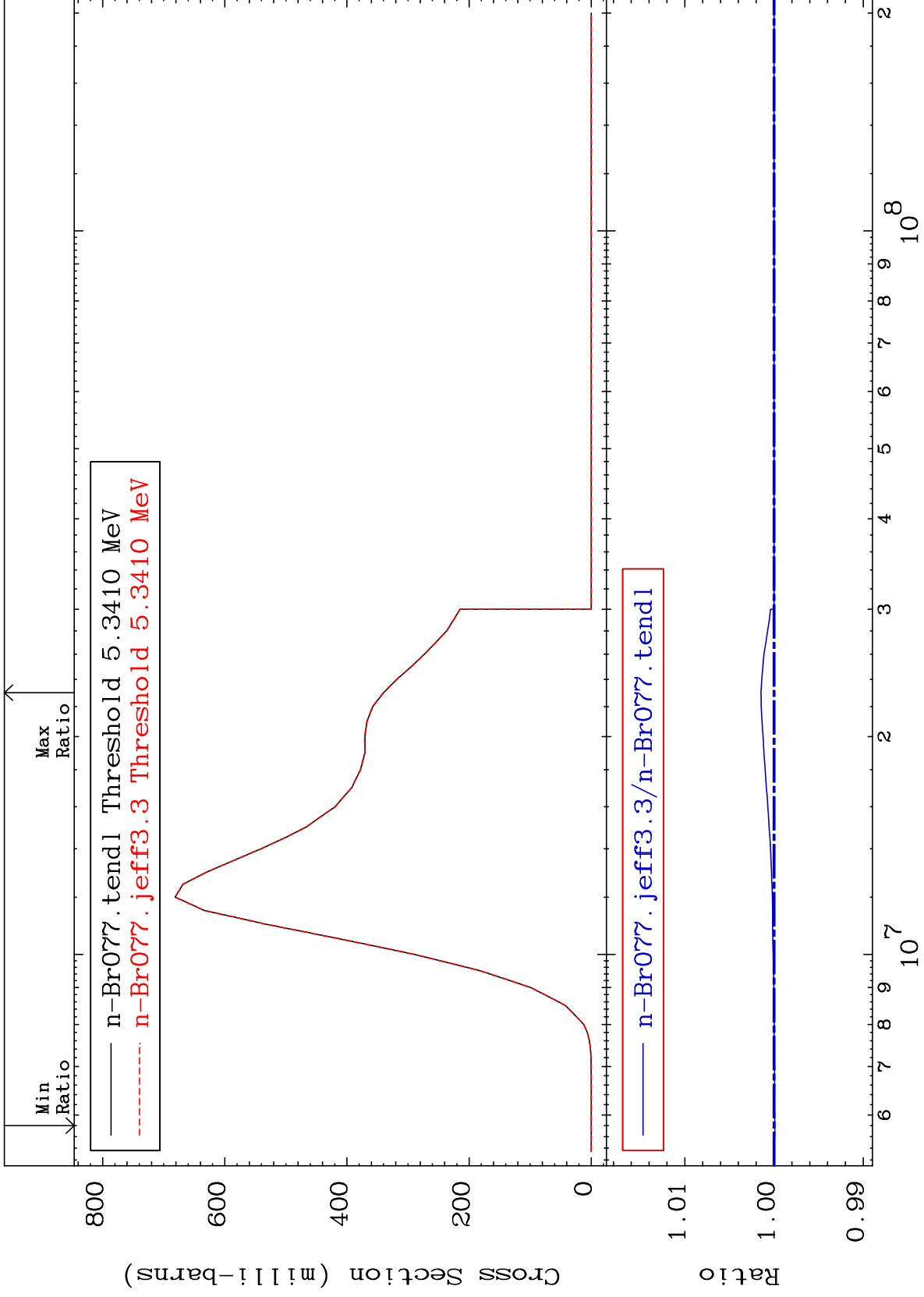
35-Br-77  
0.000 To 896.3 %



MAT 3519

(n, n') p  
Cross Section

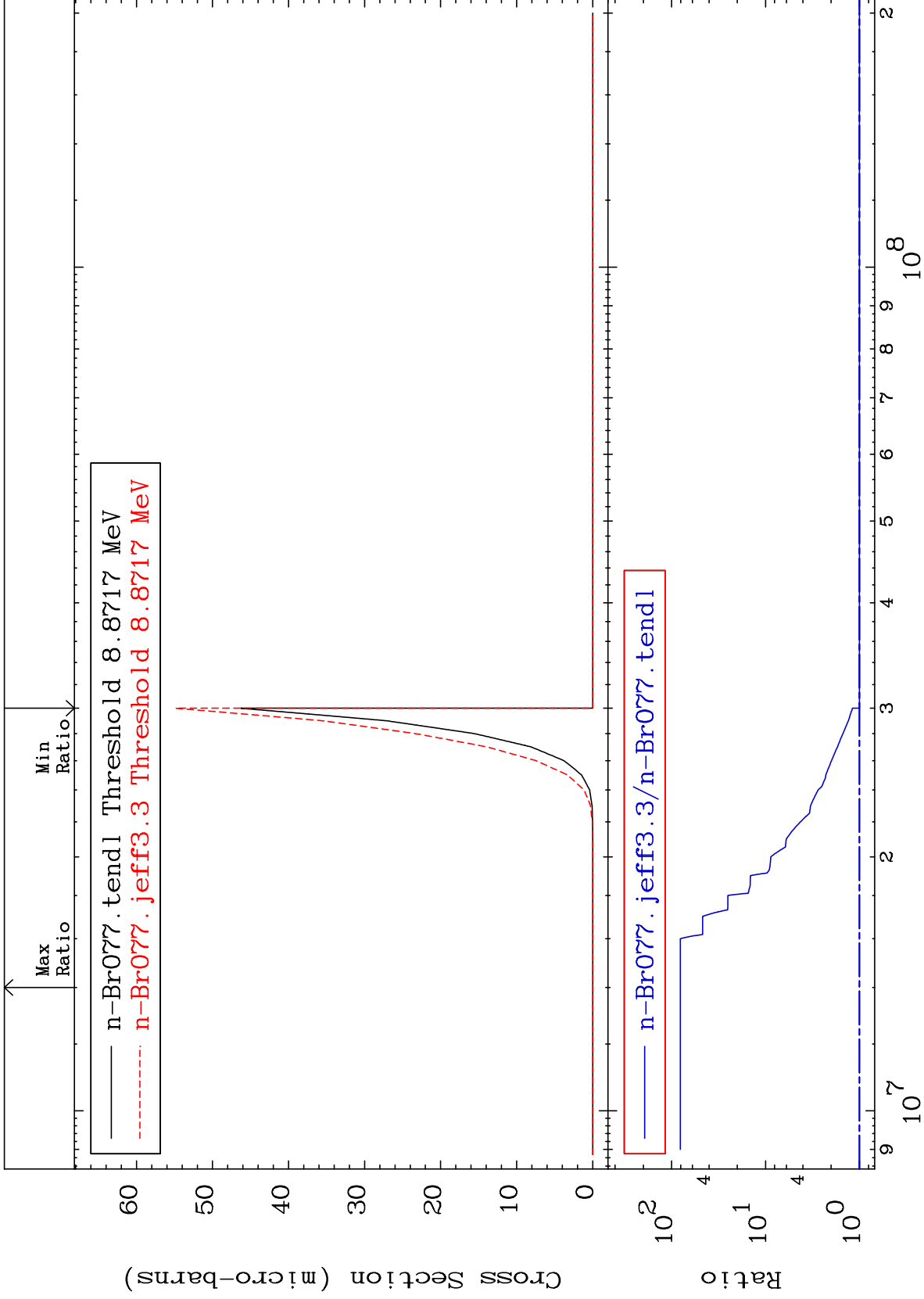
<sup>35</sup>Br-77  
-0.009 To 0.146 %



MAT 3519

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

$^{35}\text{Br-77}$   
To 7975. %



11

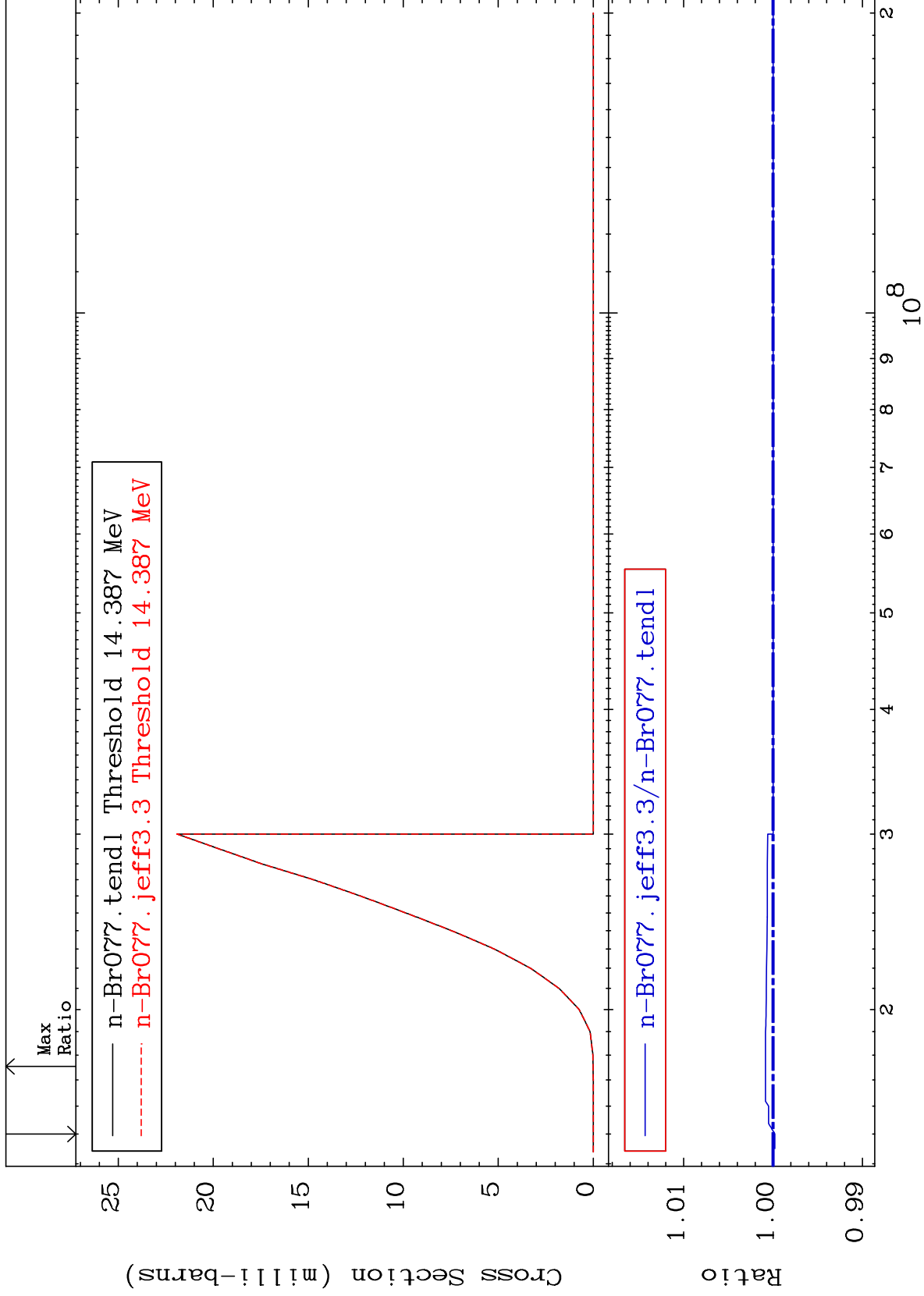
Incident Energy (eV)

$^{35}\text{Br-77}$

MAT 3519

(n, n') d  
Cross Section

35-Br-77  
-0.021 To 0.085 %



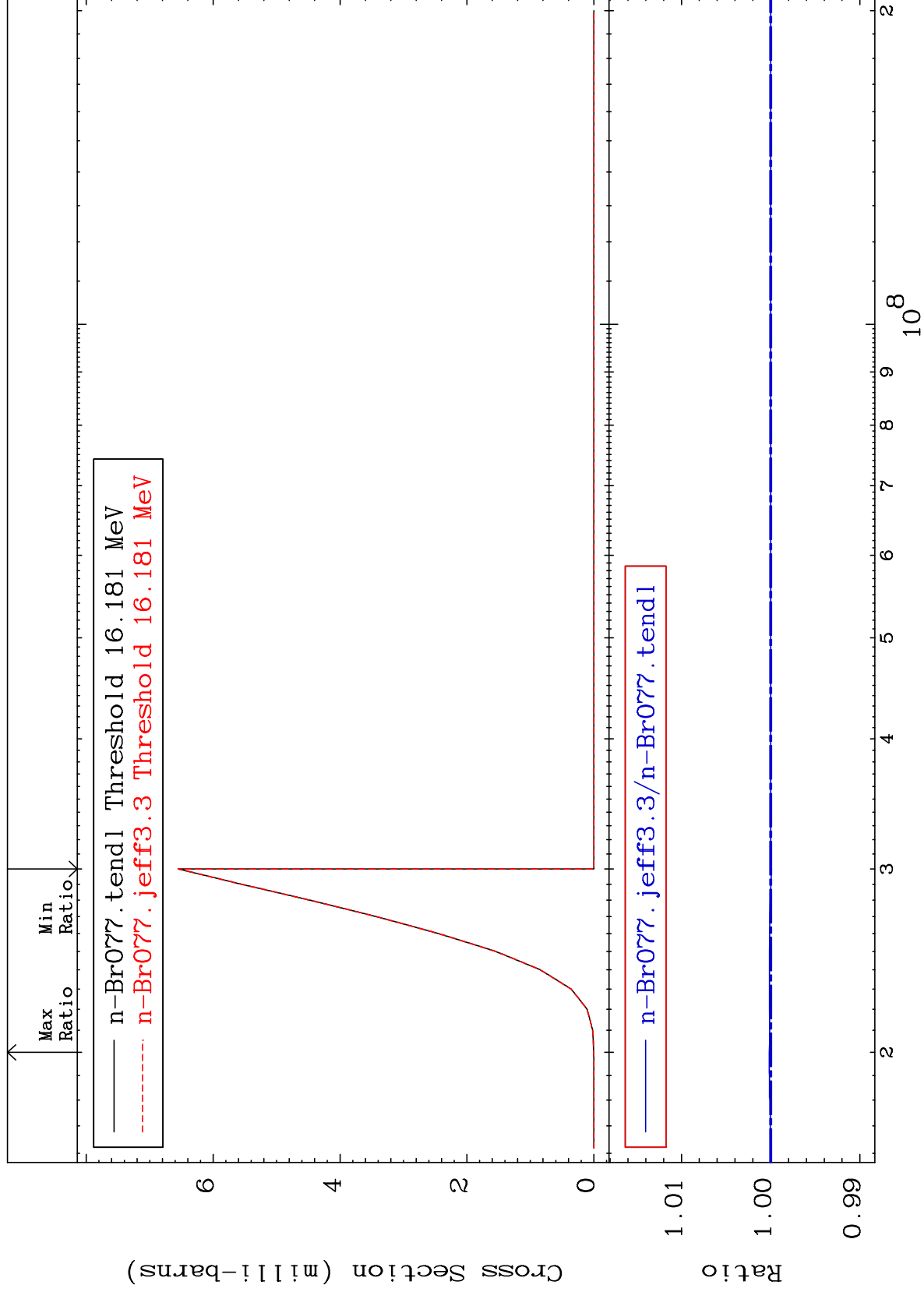
MAT 3519

(n,n') t

<sup>35</sup>Br-77

Cross Section

-0.009 To 0.015 %



13

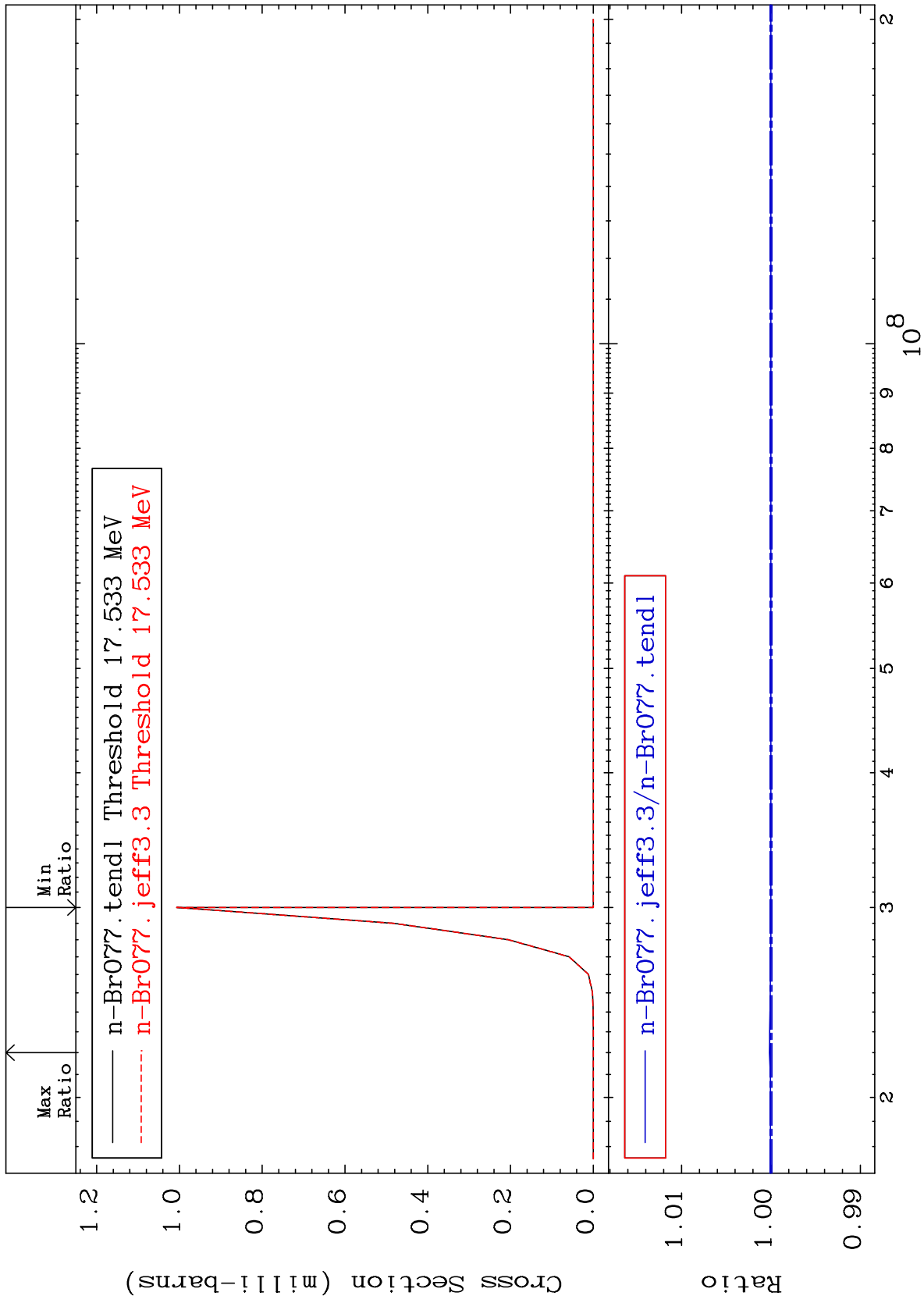
Incident Energy (eV)

<sup>35</sup>Br-77

MAT 3519

(n, n') He-3  
Cross Section

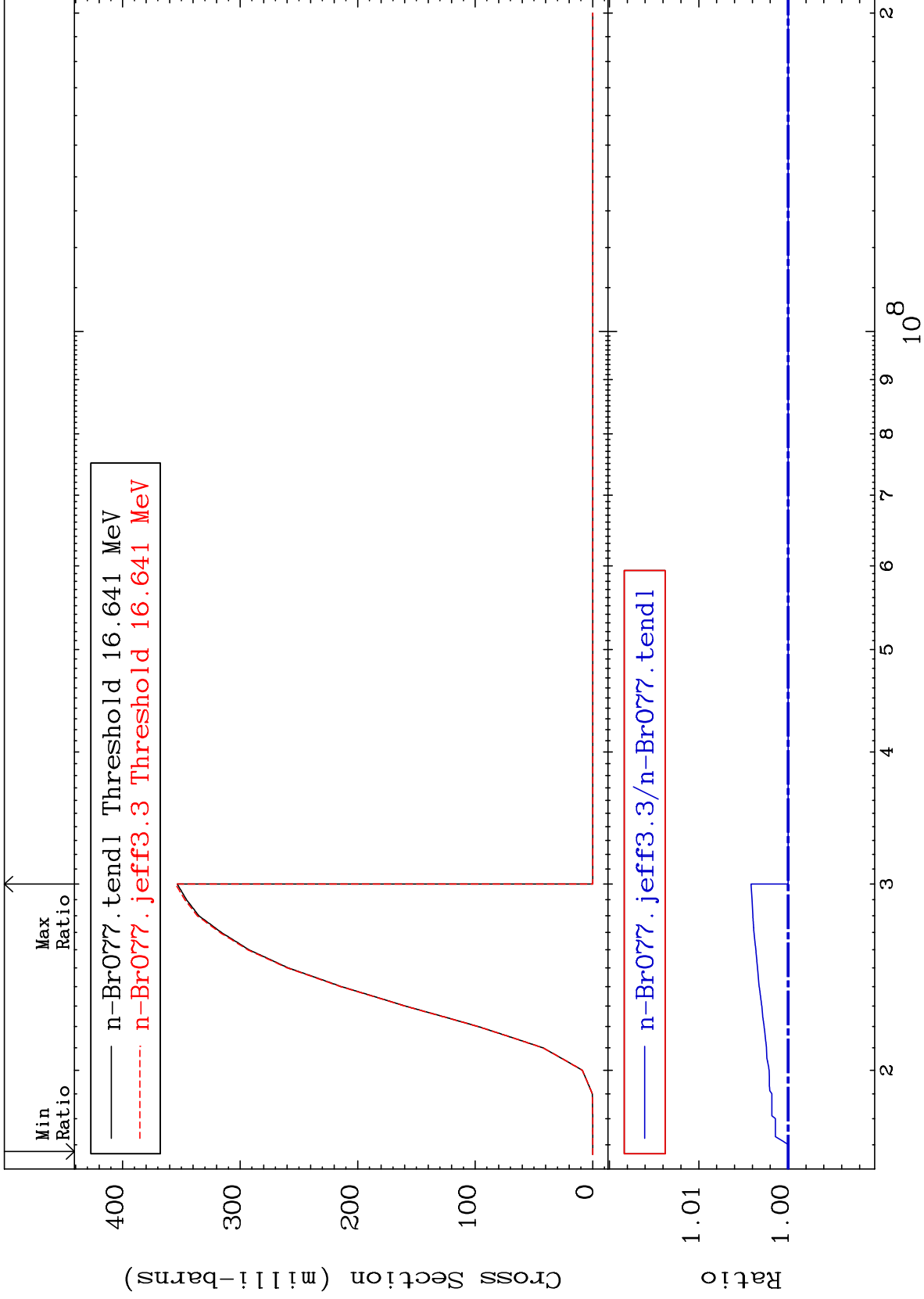
35-Br-77  
0.000 To 0.017 %



MAT 3519

(n,2n) p  
Cross Section

<sup>35</sup>Br-77  
-0.007 To 0.415 %



15

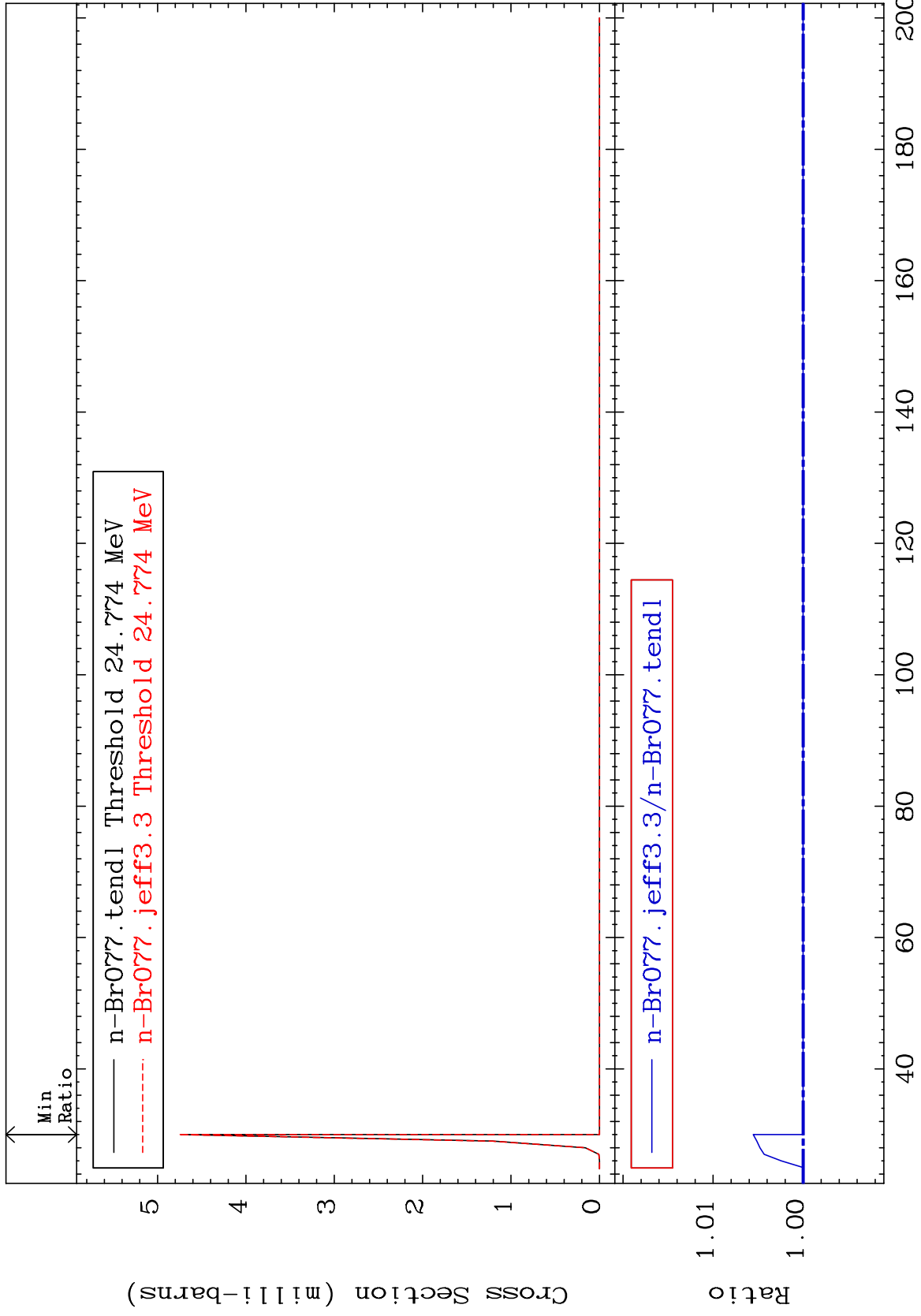
Incident Energy (eV)

<sup>35</sup>Br-77

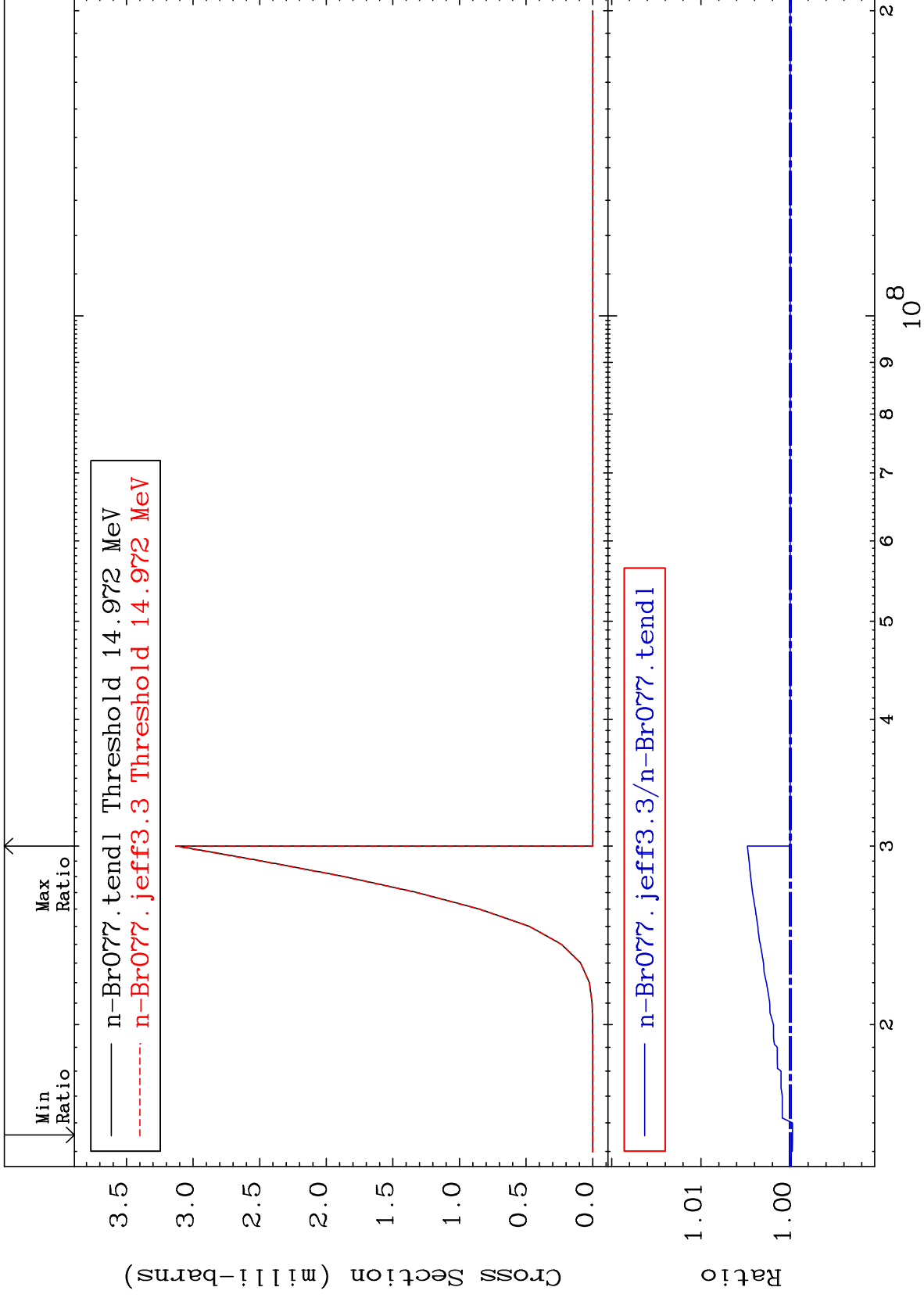
MAT 3519

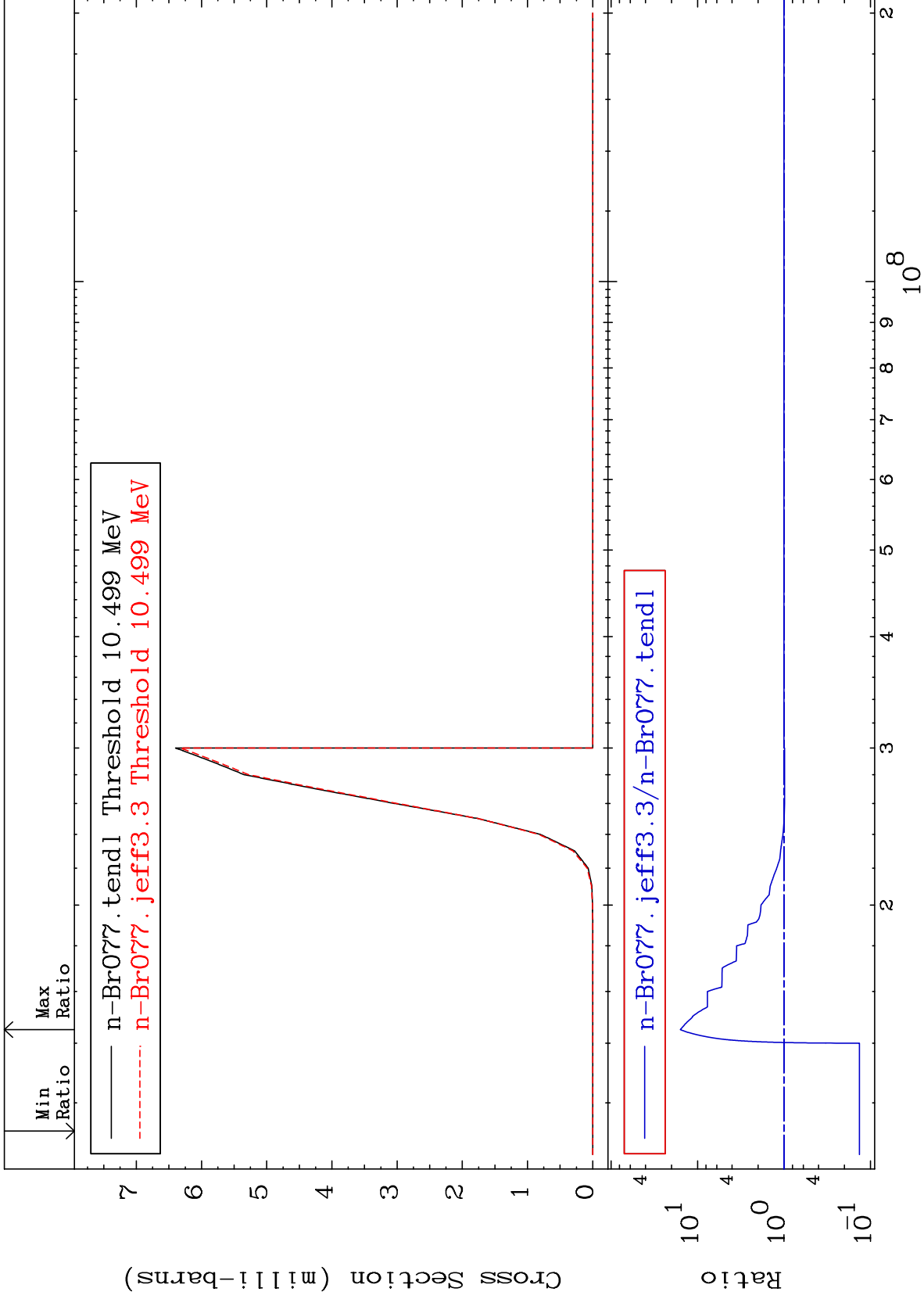
(n,3n) p  
Cross Section

35-Br-77  
0.000 To 0.555 %





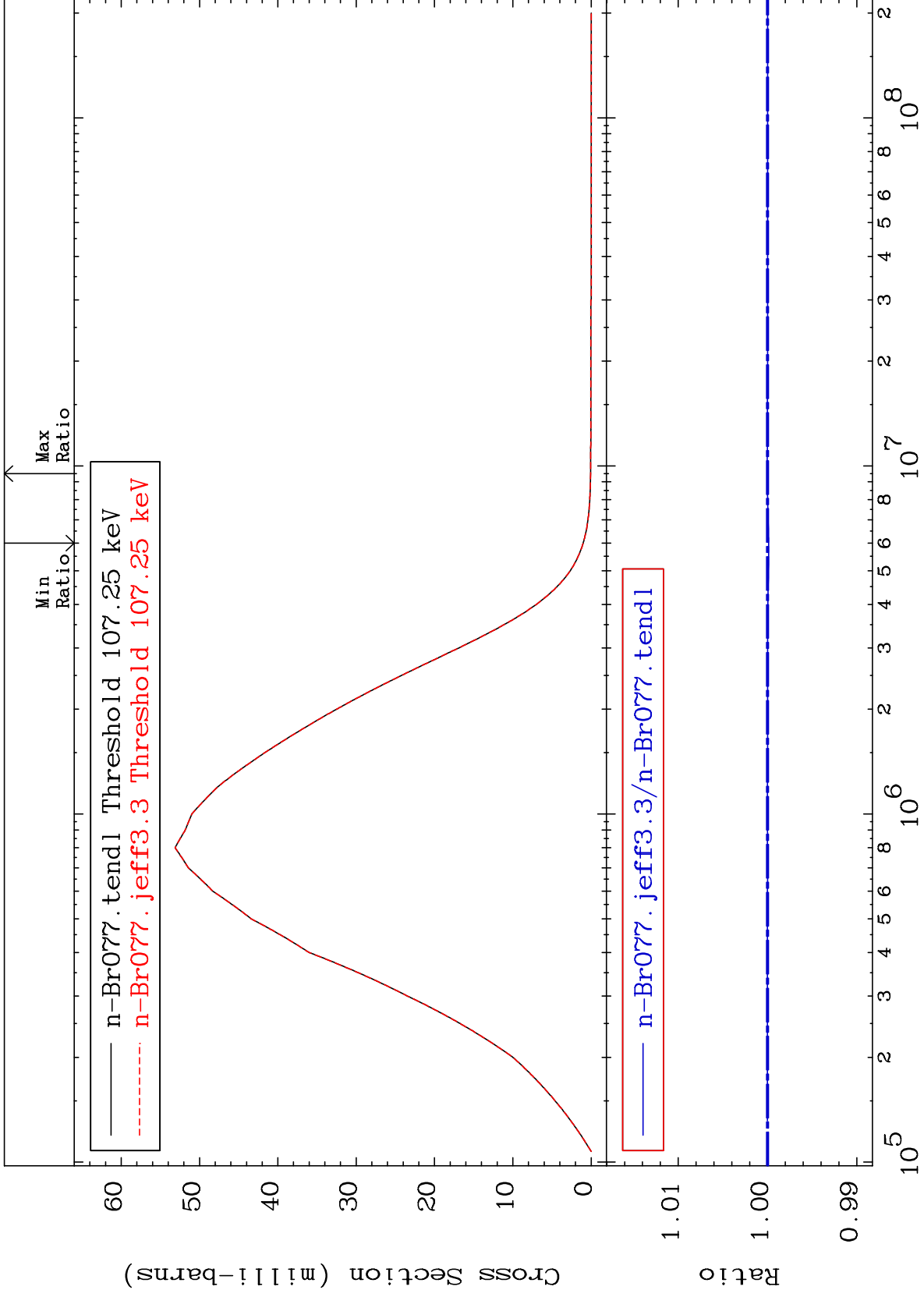




MAT 3519

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

35-Br-77  
-0.013 To 0.003 %



19

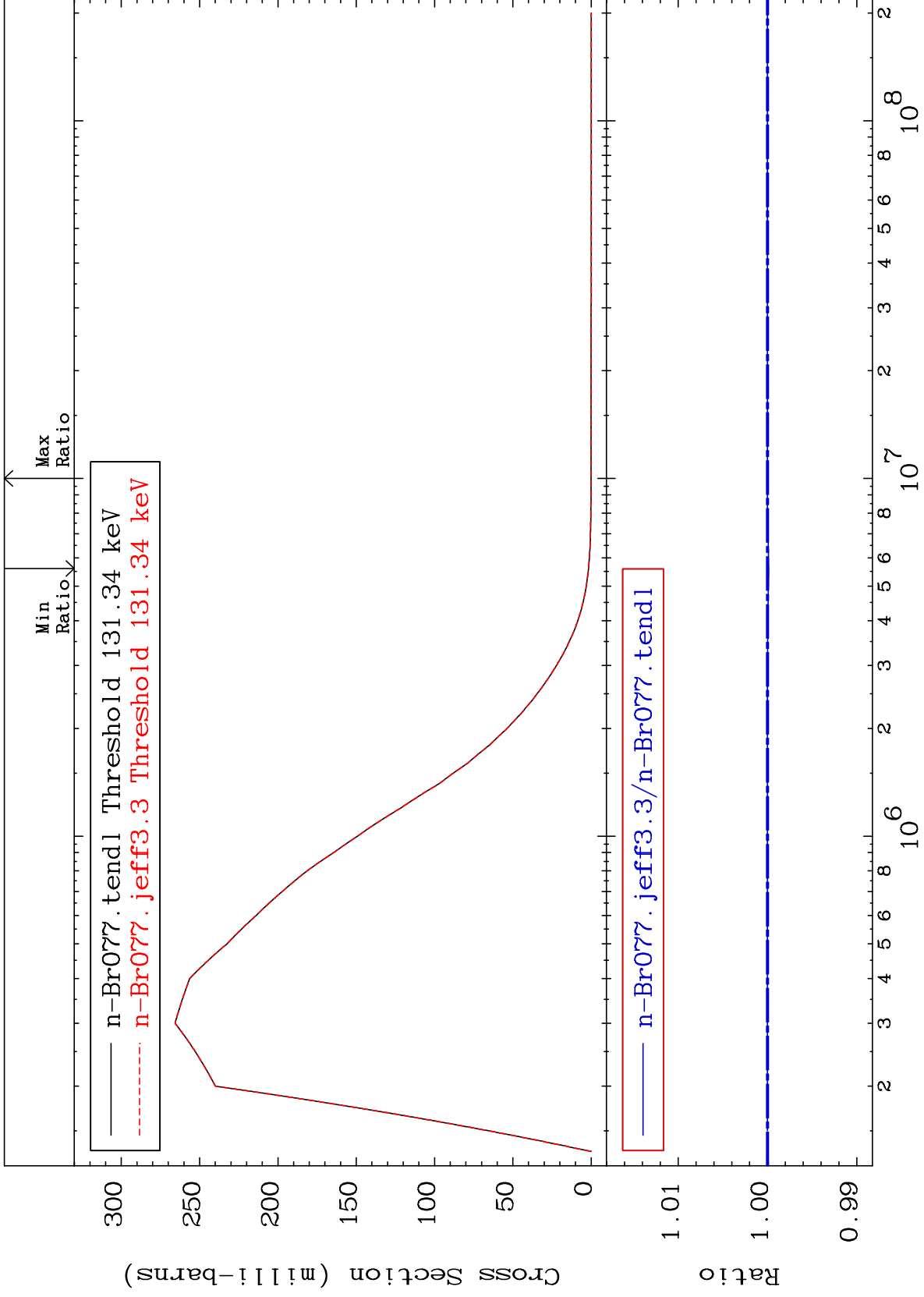
Incident Energy (eV)

35-Br-77

MAT 3519

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

35-Br-77  
-0.013 To 0.002 %



20

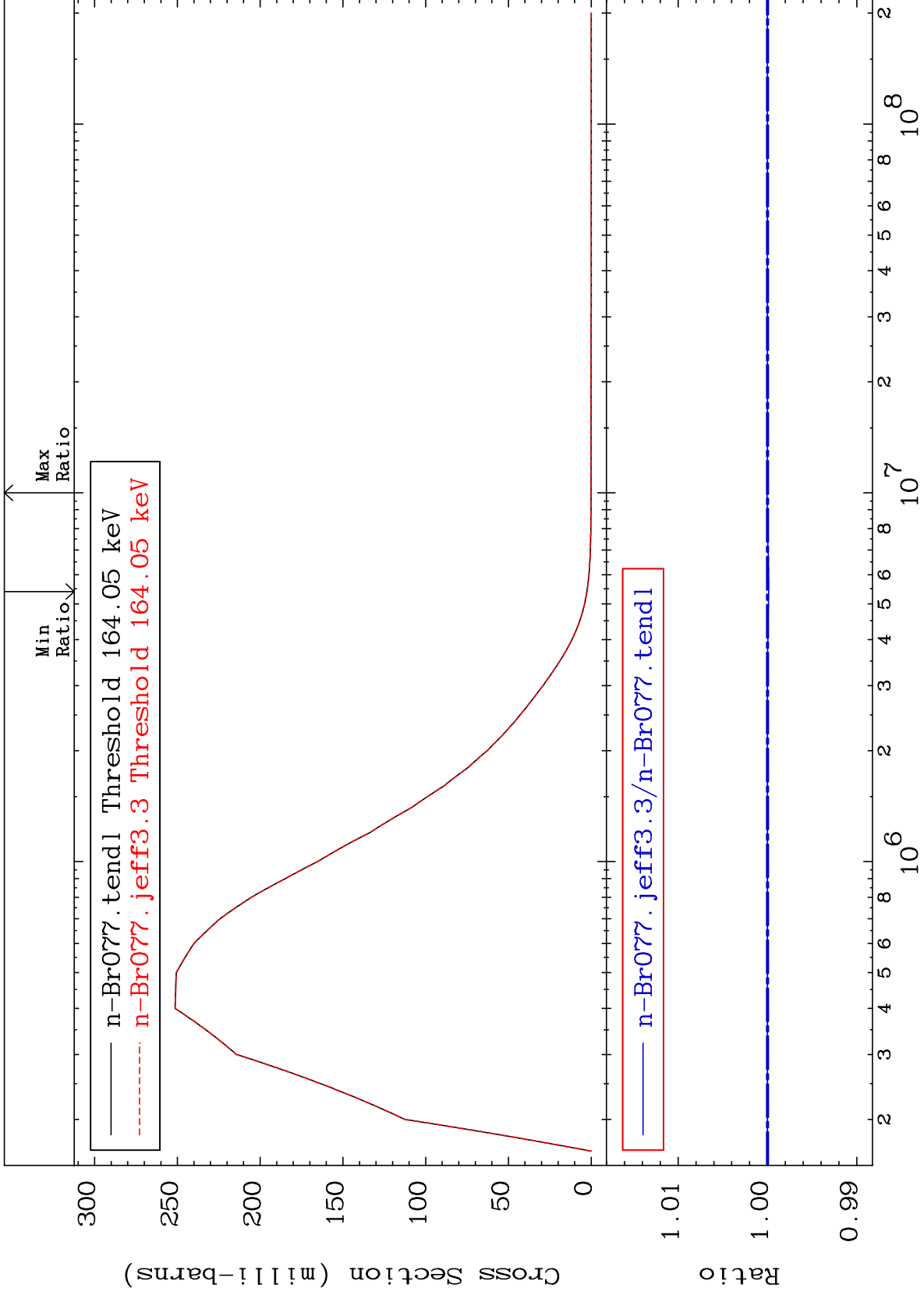
Incident Energy (eV)

35-Br-77

MAT 3519

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

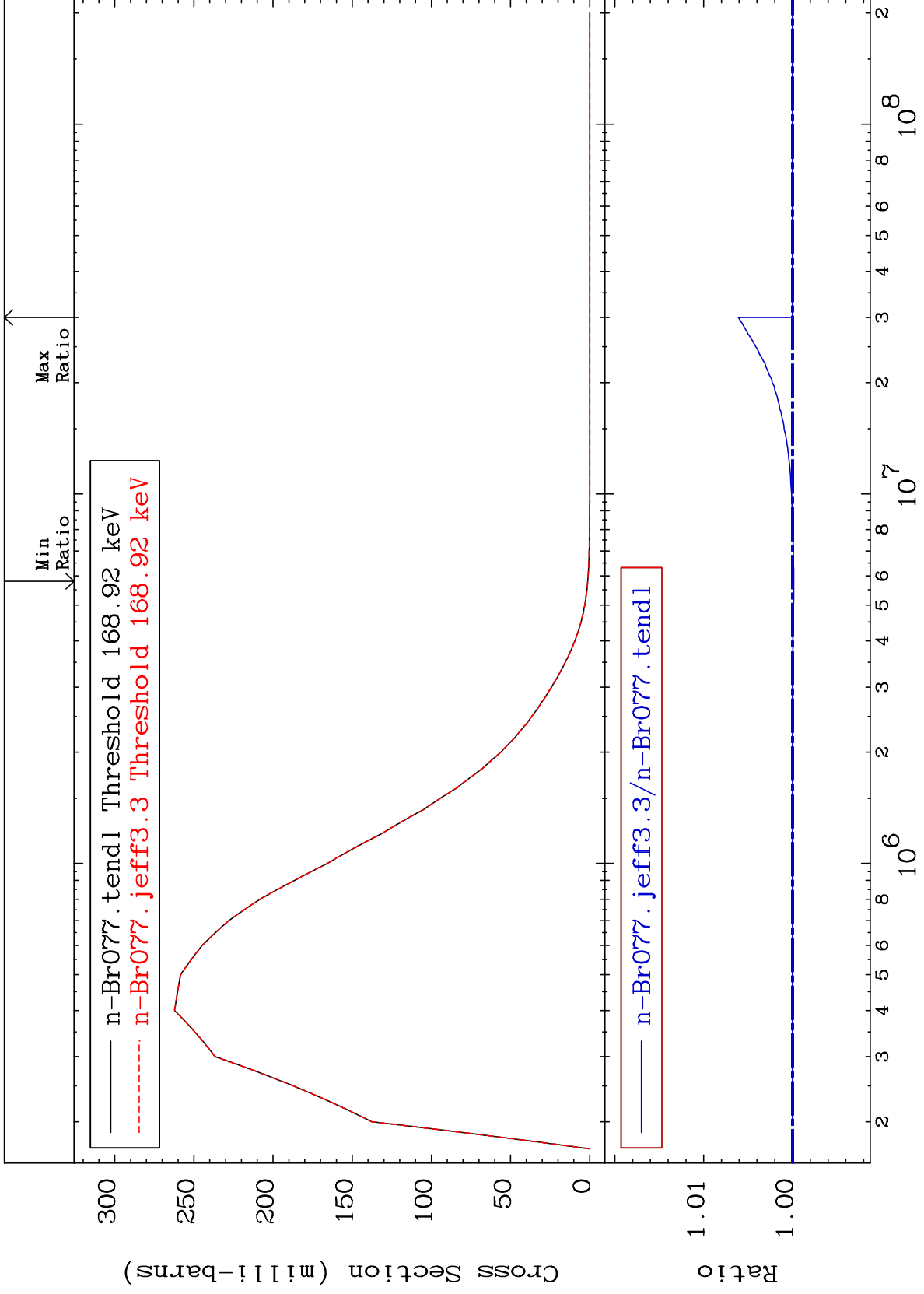
<sup>35</sup>-Br-77  
-0.013 To 0.002 %



MAT 3519

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

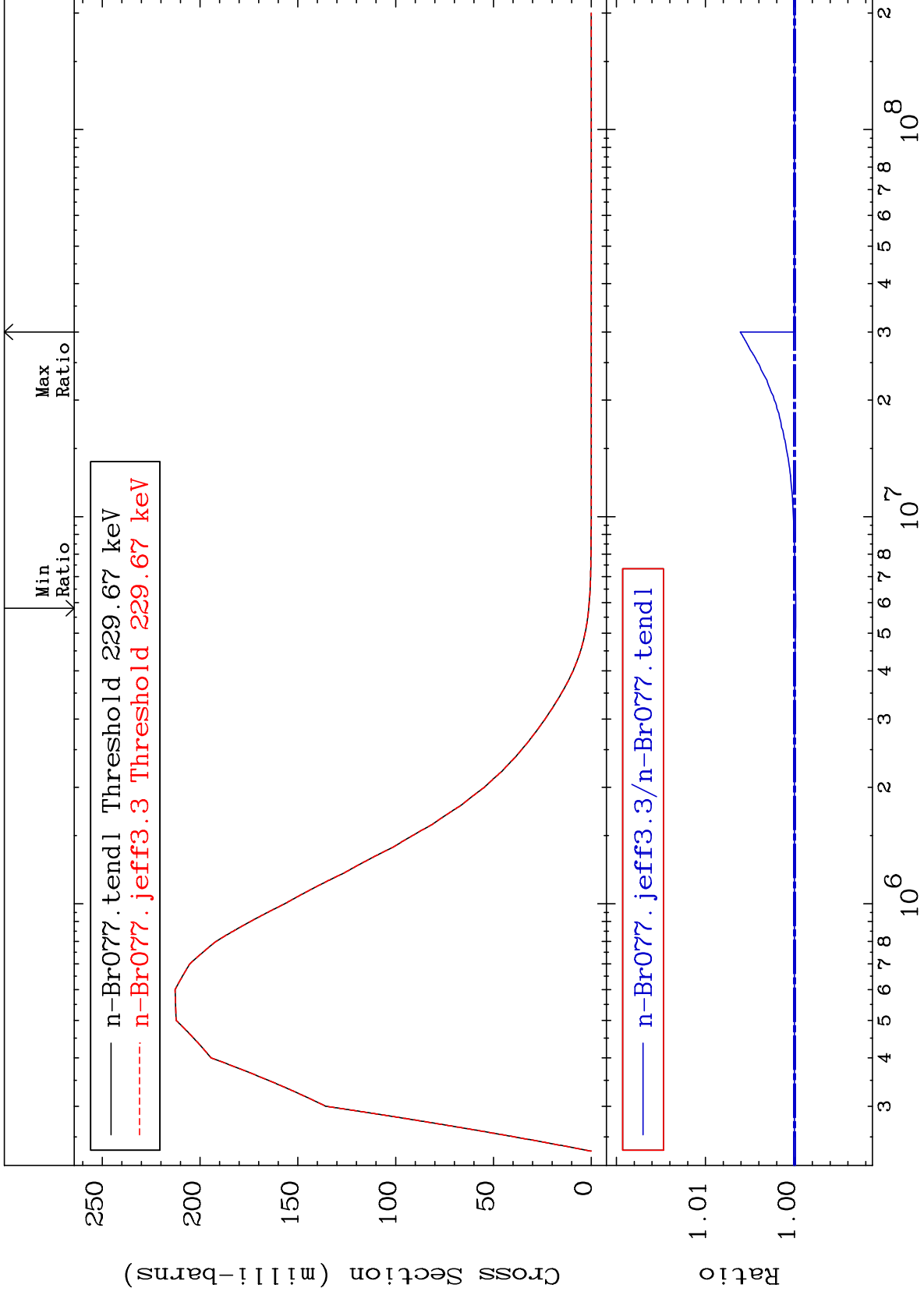
35-Br-77  
-0.014 To 0.611 %



MAT 3519

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

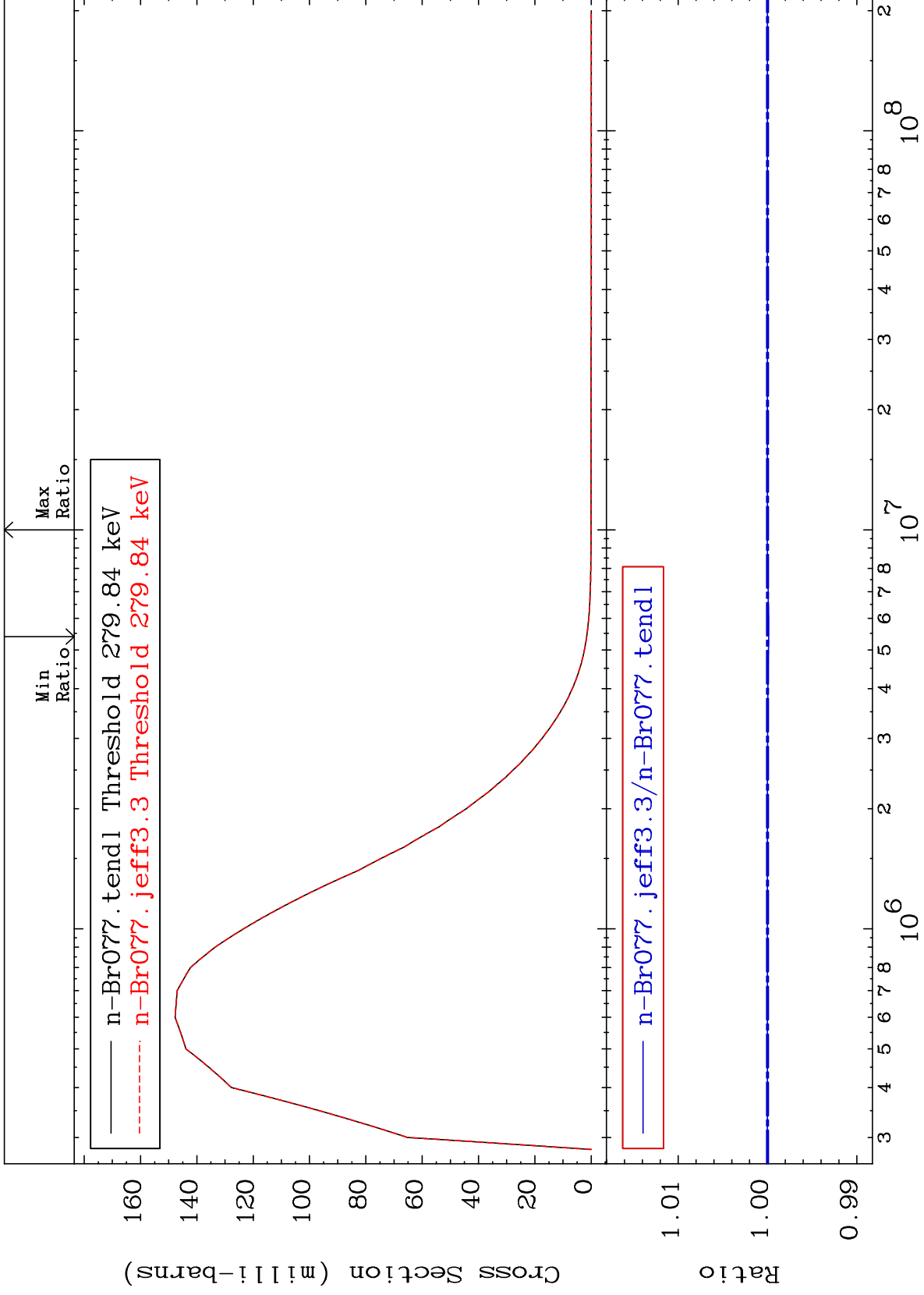
35-Br-77  
-0.014 To 0.611 %



MAT 3519

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

35-Br-77  
-0.013 To 0.002 %

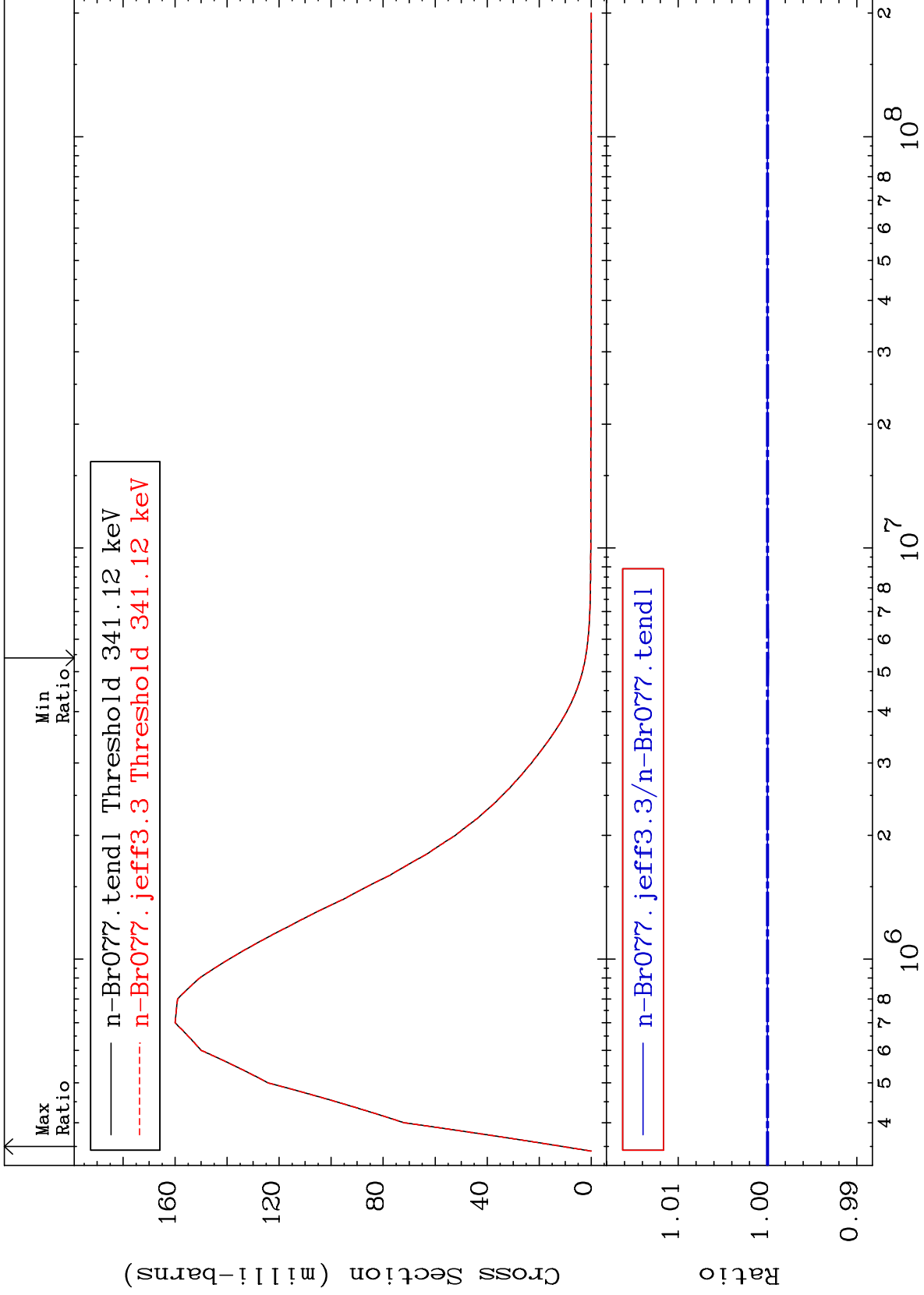




MAT 3519

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

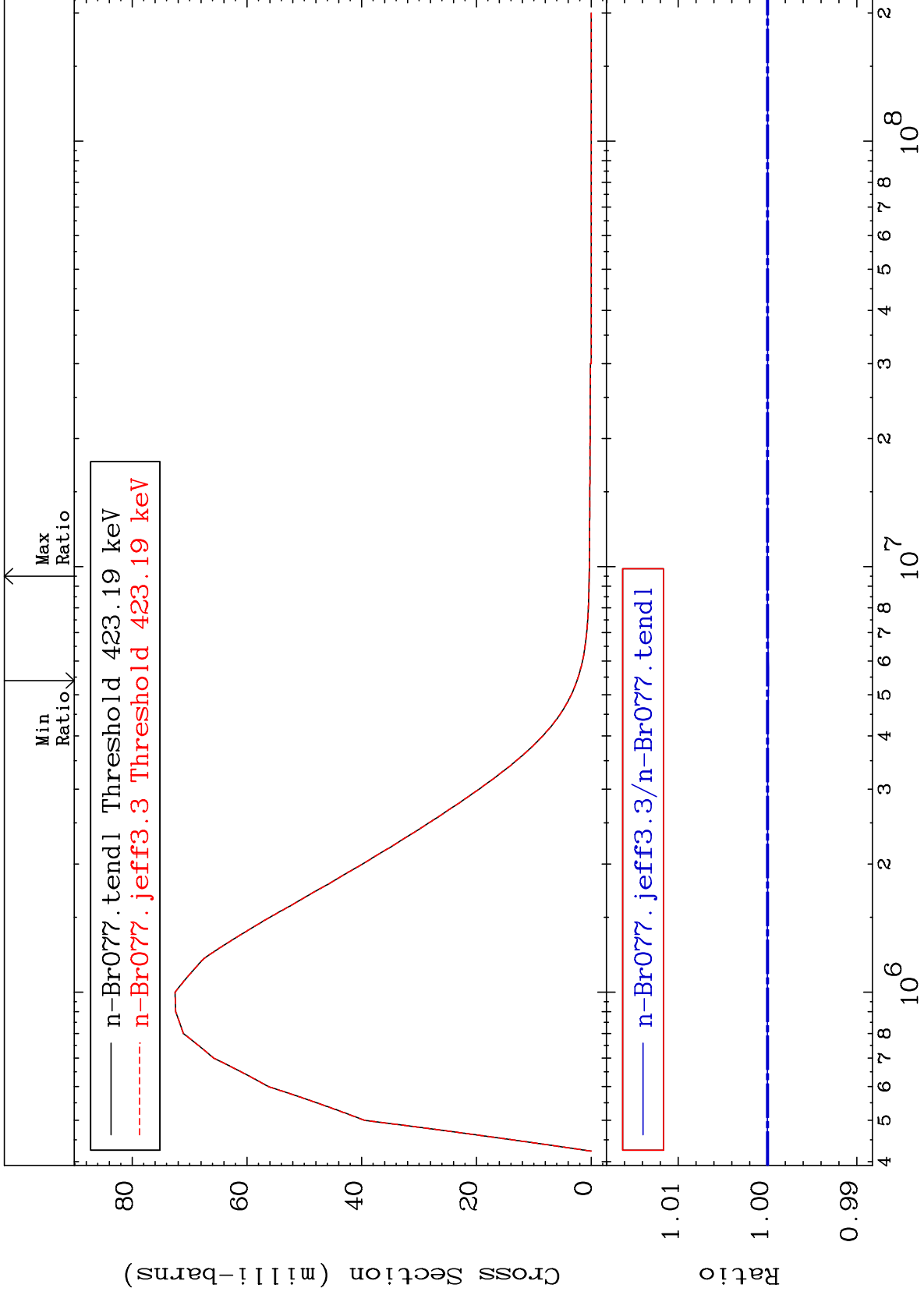
35-Br-77  
-0.012 To 0.001 %



MAT 3519

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

35-Br-77  
-0.011 To 0.000 %



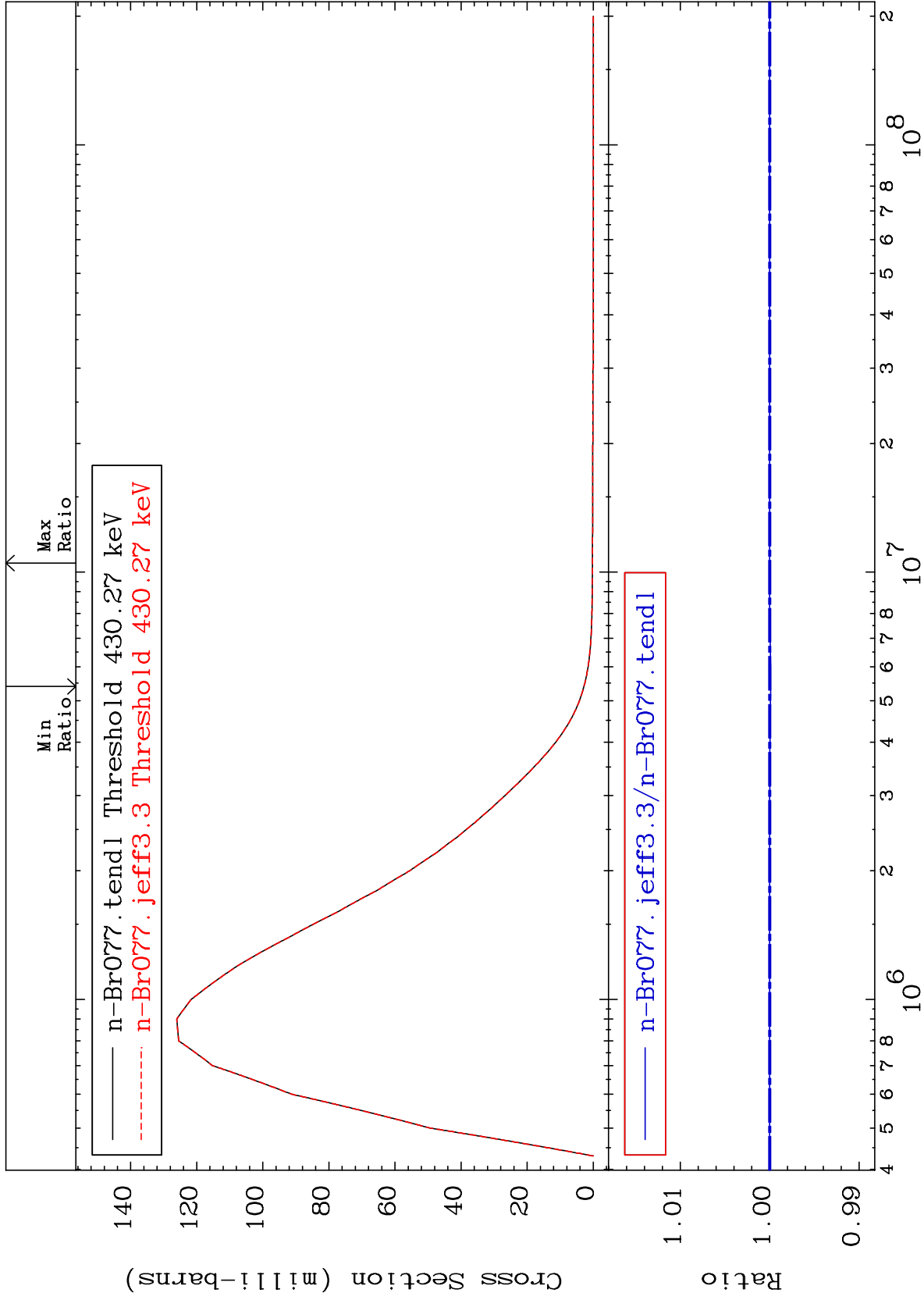
MAT 3519

MT= 59 (n,n') Level

<sup>35</sup>Br-77

-0.012 To 0.000 %

Cross Section



27

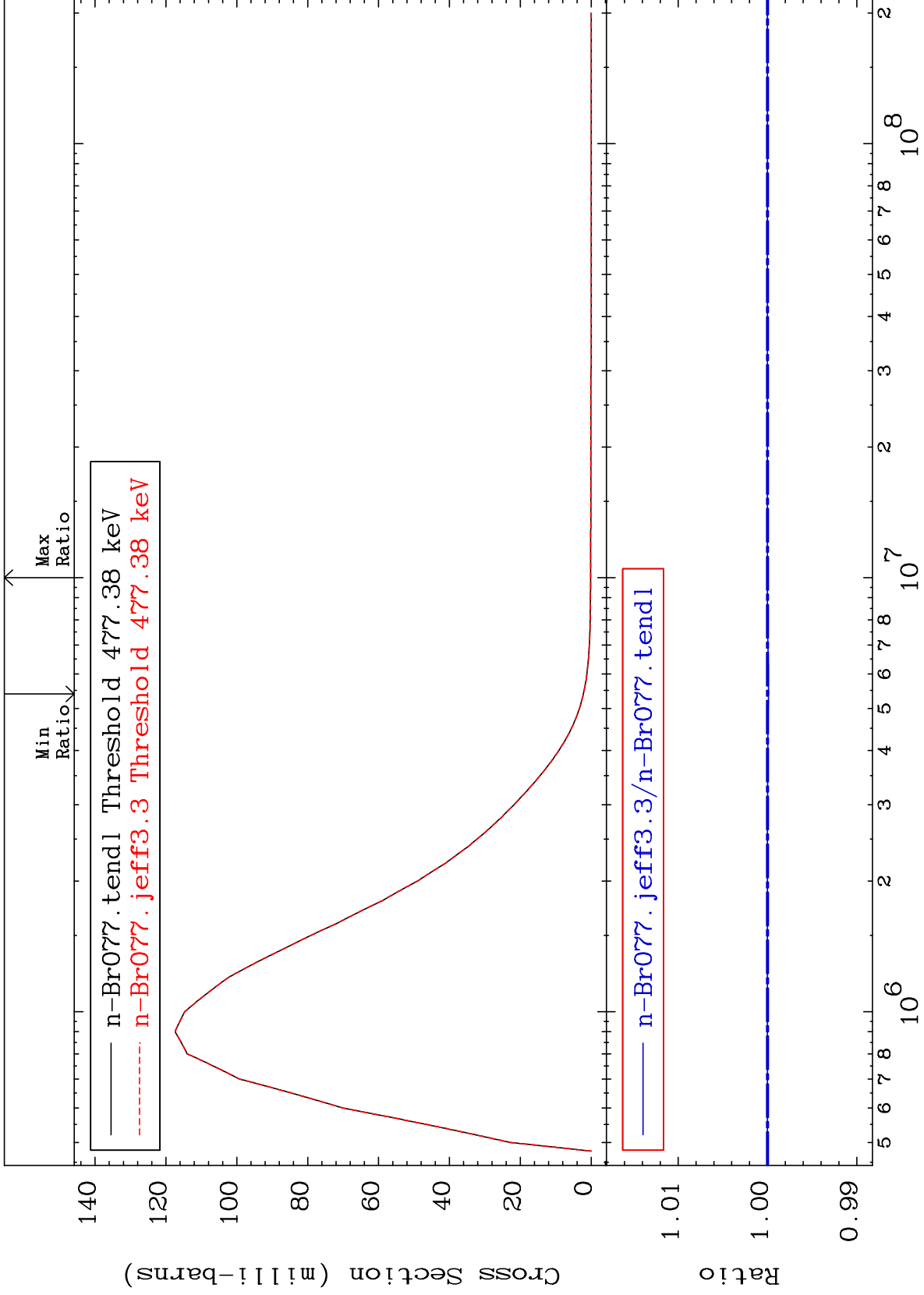
Incident Energy (eV)

<sup>35</sup>Br-77

MAT 3519

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

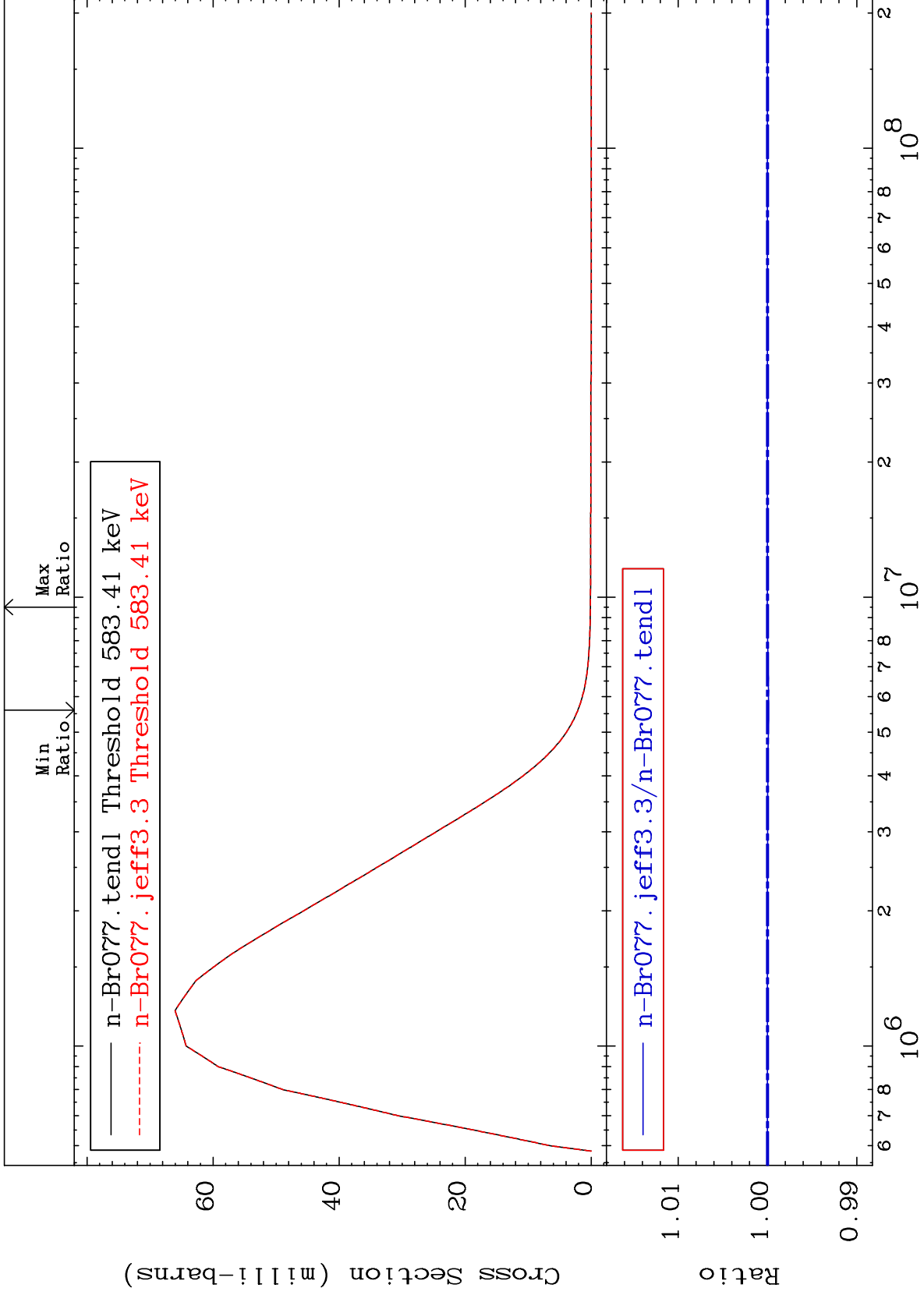
35-Br-77  
-0.012 To 0.001 %



MAT 3519

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

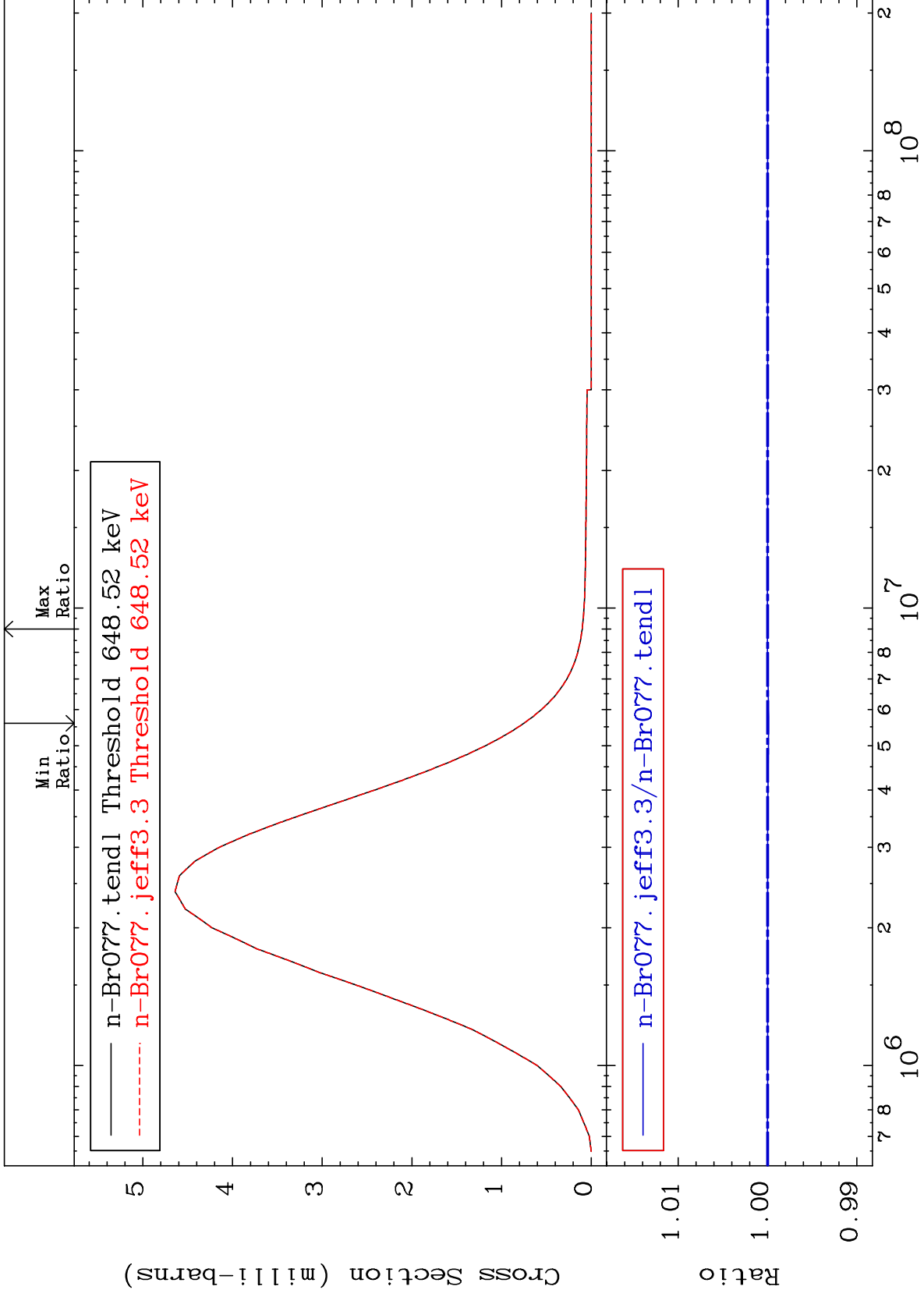
35-Br-77  
-0.013 To 0.002 %



MAT 3519

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

35-Br-77  
-0.011 To 0.003 %



30

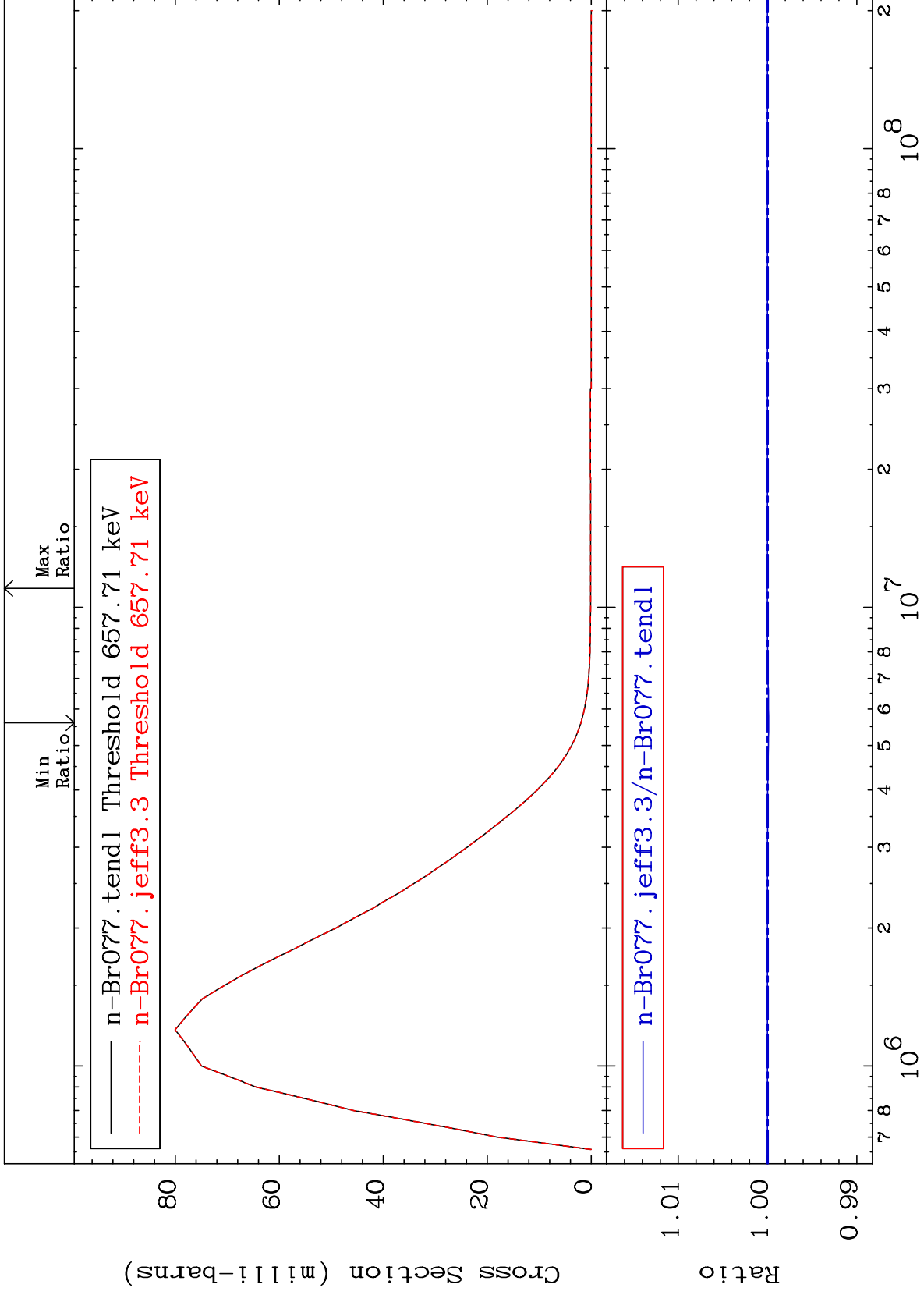
Incident Energy (eV)

35-Br-77

MAT 3519

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

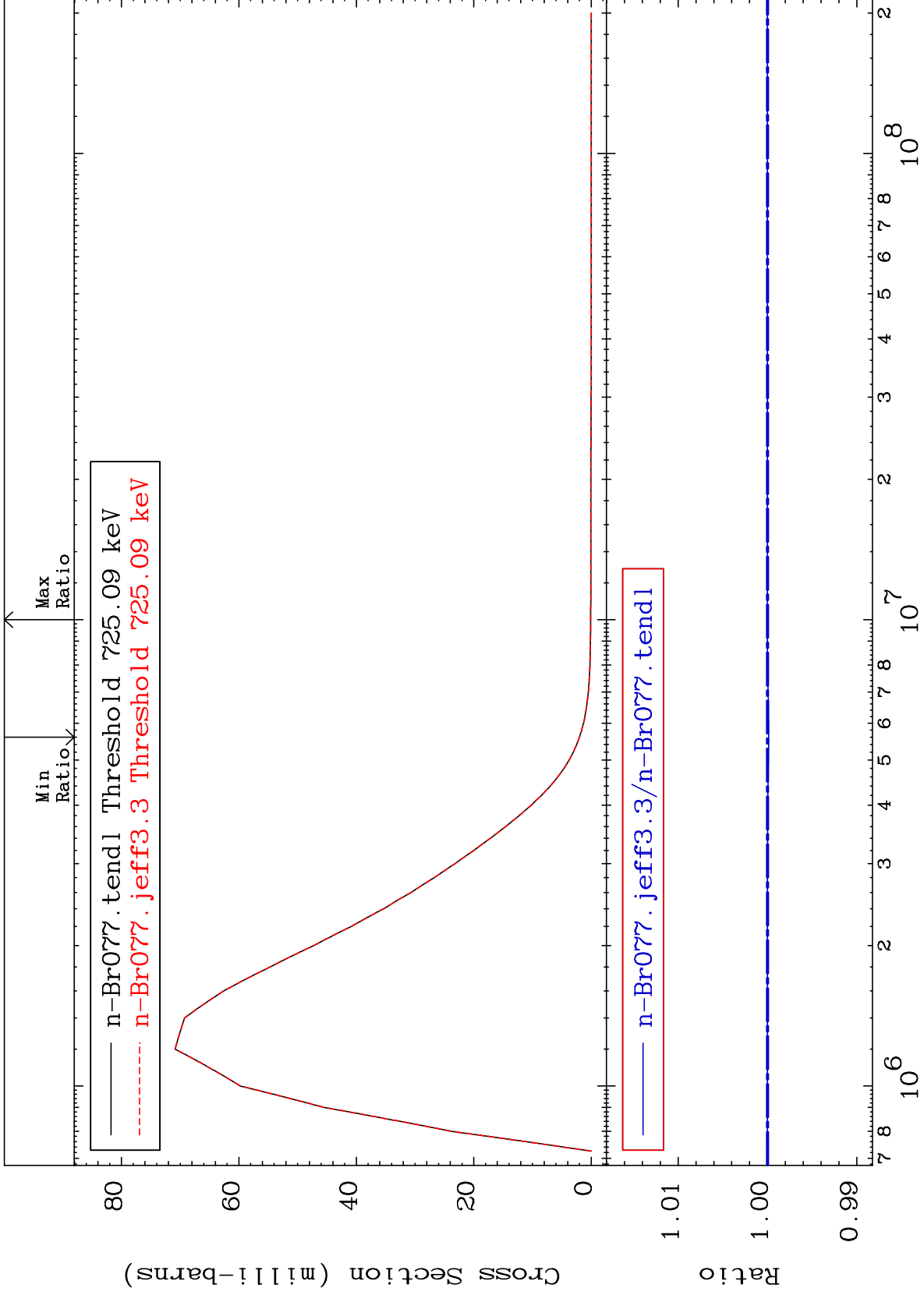
35-Br-77  
-0.013 To 0.002 %



MAT 3519

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

35-Br-77  
-0.013 To 0.002 %



32

Incident Energy (eV)

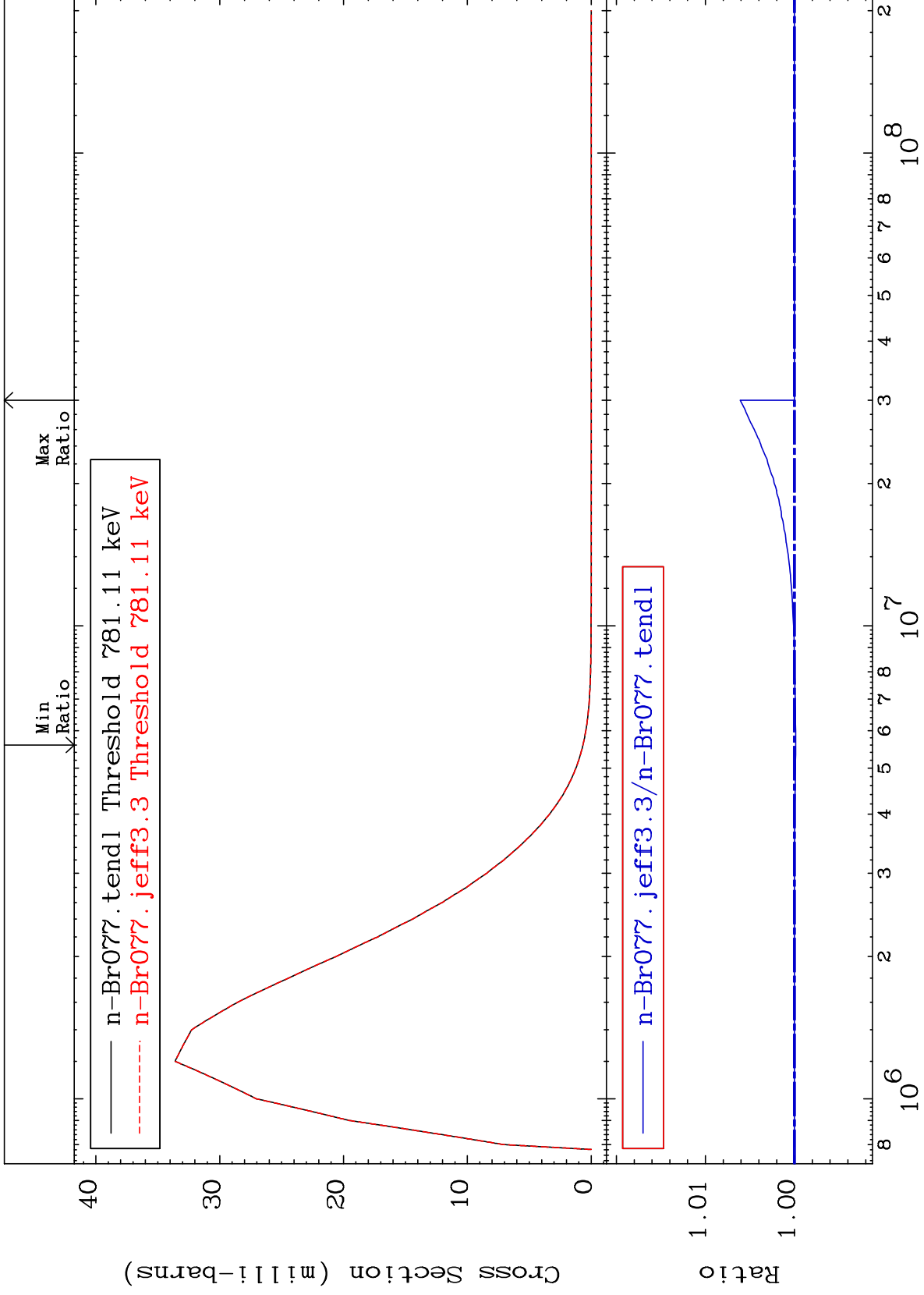
35-Br-77



MAT 3519

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

35-Br-77  
-0.014 To 0.609 %



33

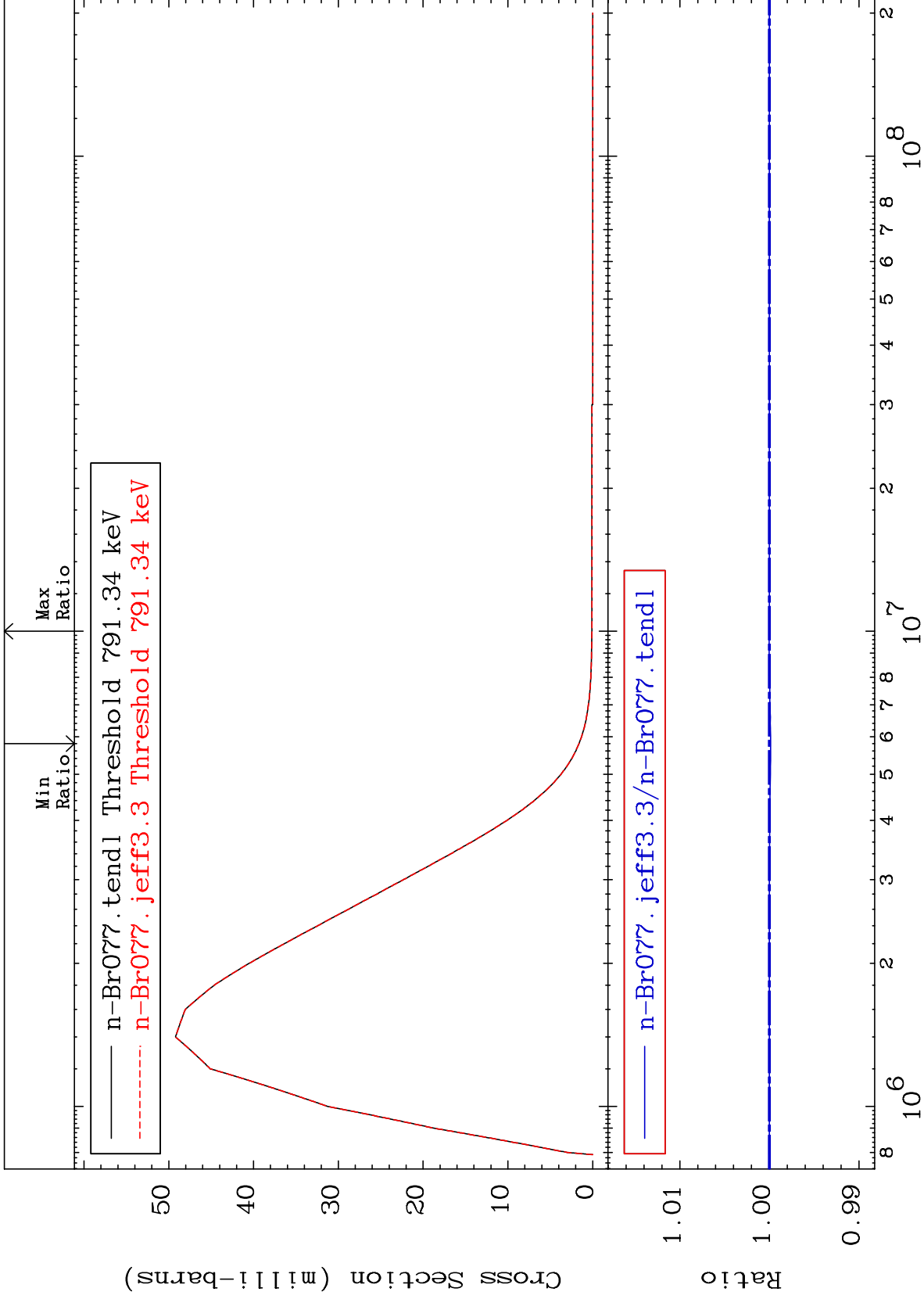
Incident Energy (eV)

35-Br-77

MAT 3519

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

35-Br-77  
-0.014 To 0.002 %



34

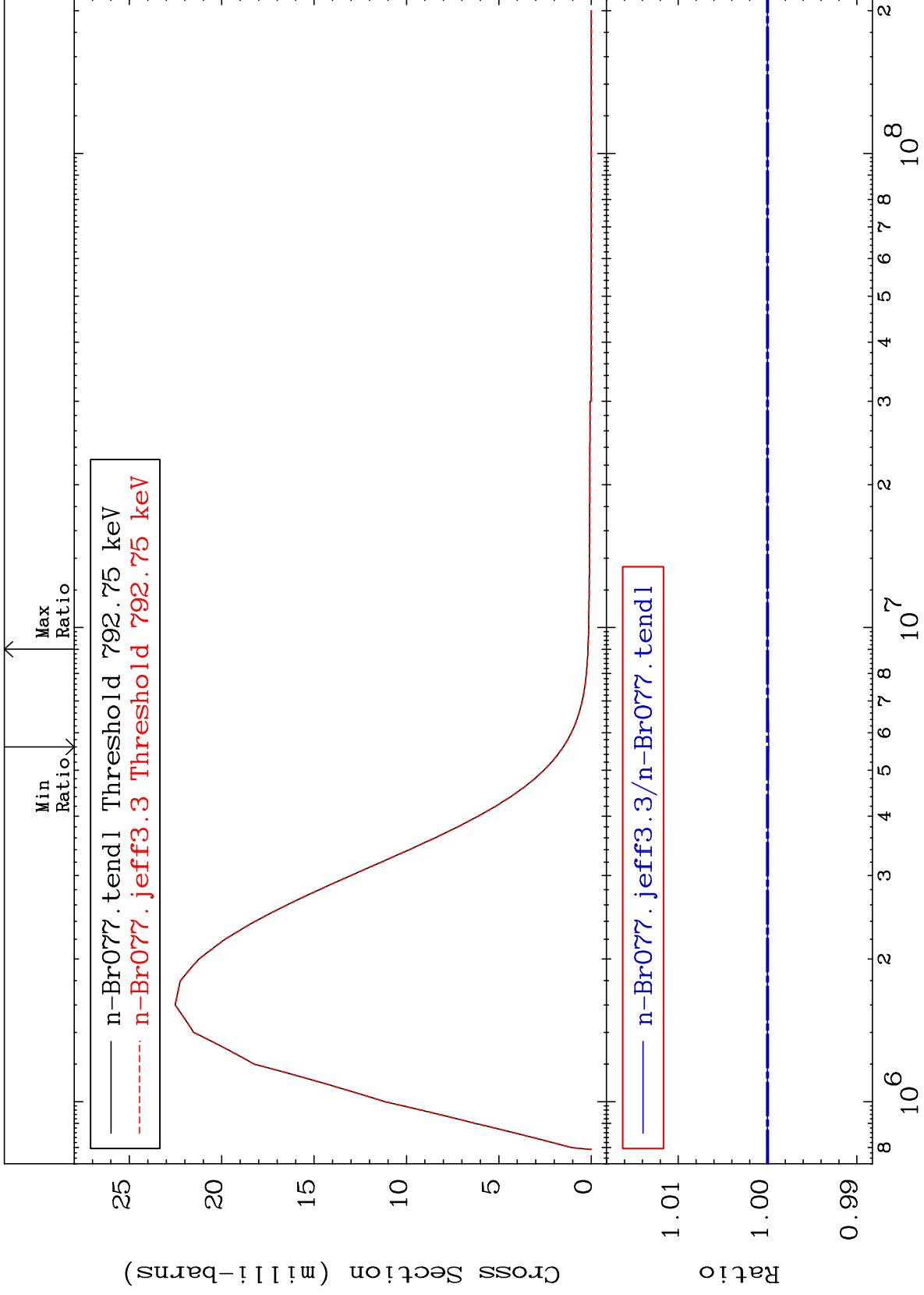
35-Br-77

35-Br-77

MAT 3519

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

35-Br-77  
-0.012 To 0.002 %



35

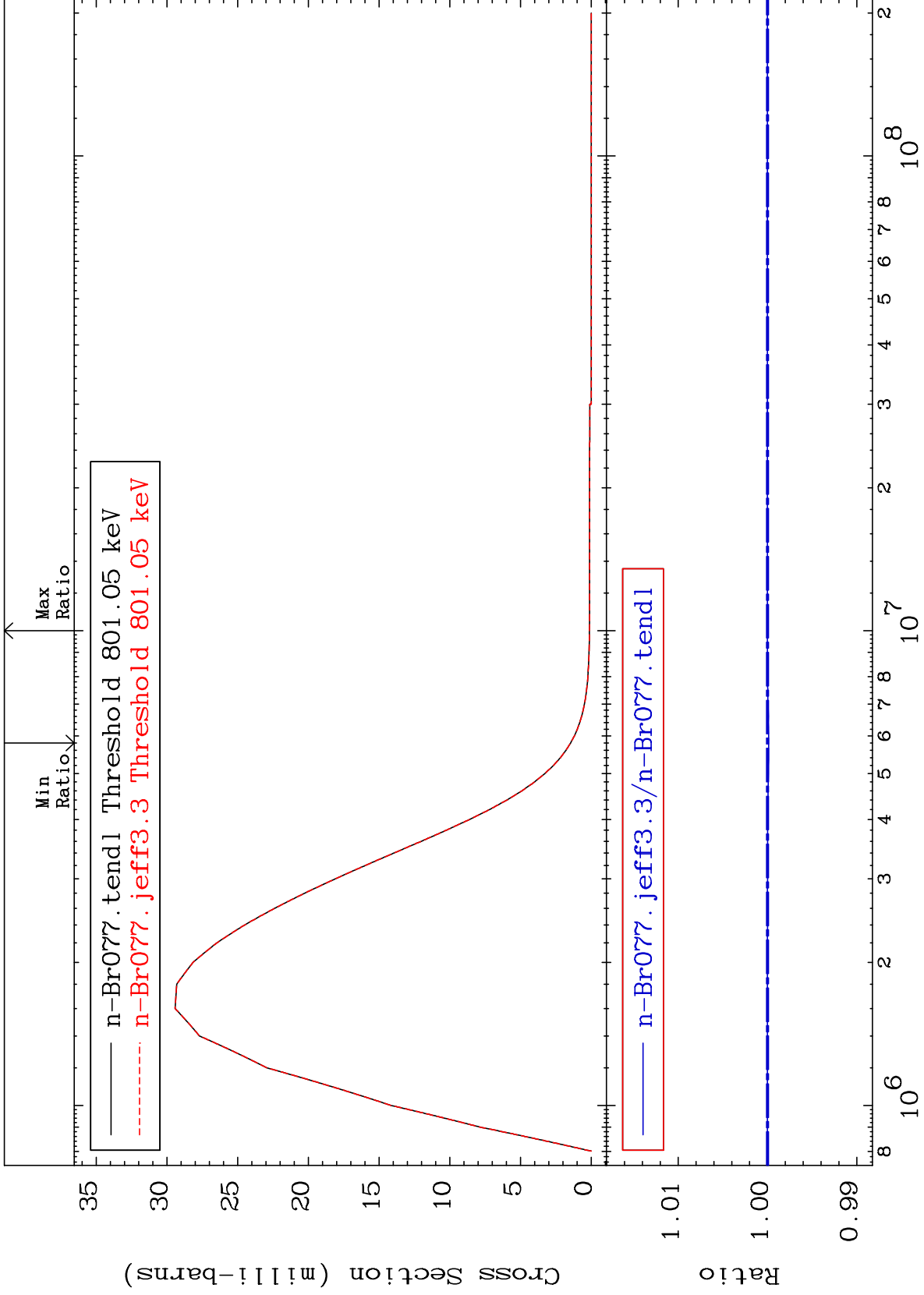
Incident Energy (eV)

35-Br-77

MAT 3519

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

35-Br-77  
-0.013 To 0.002 %



36

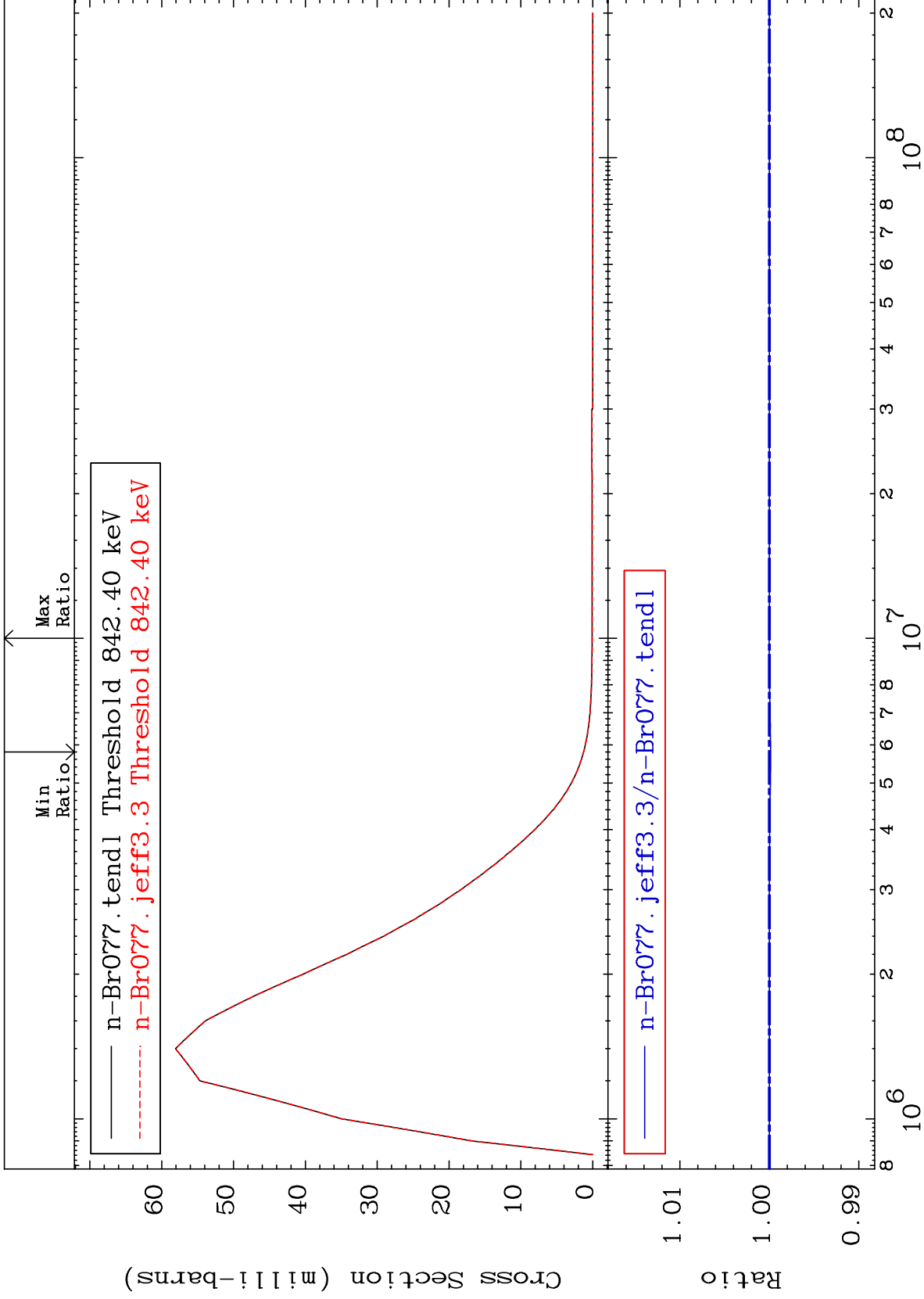
Incident Energy (eV)

35-Br-77

MAT 3519

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

35-Br-77  
-0.013 To 0.002 %



37

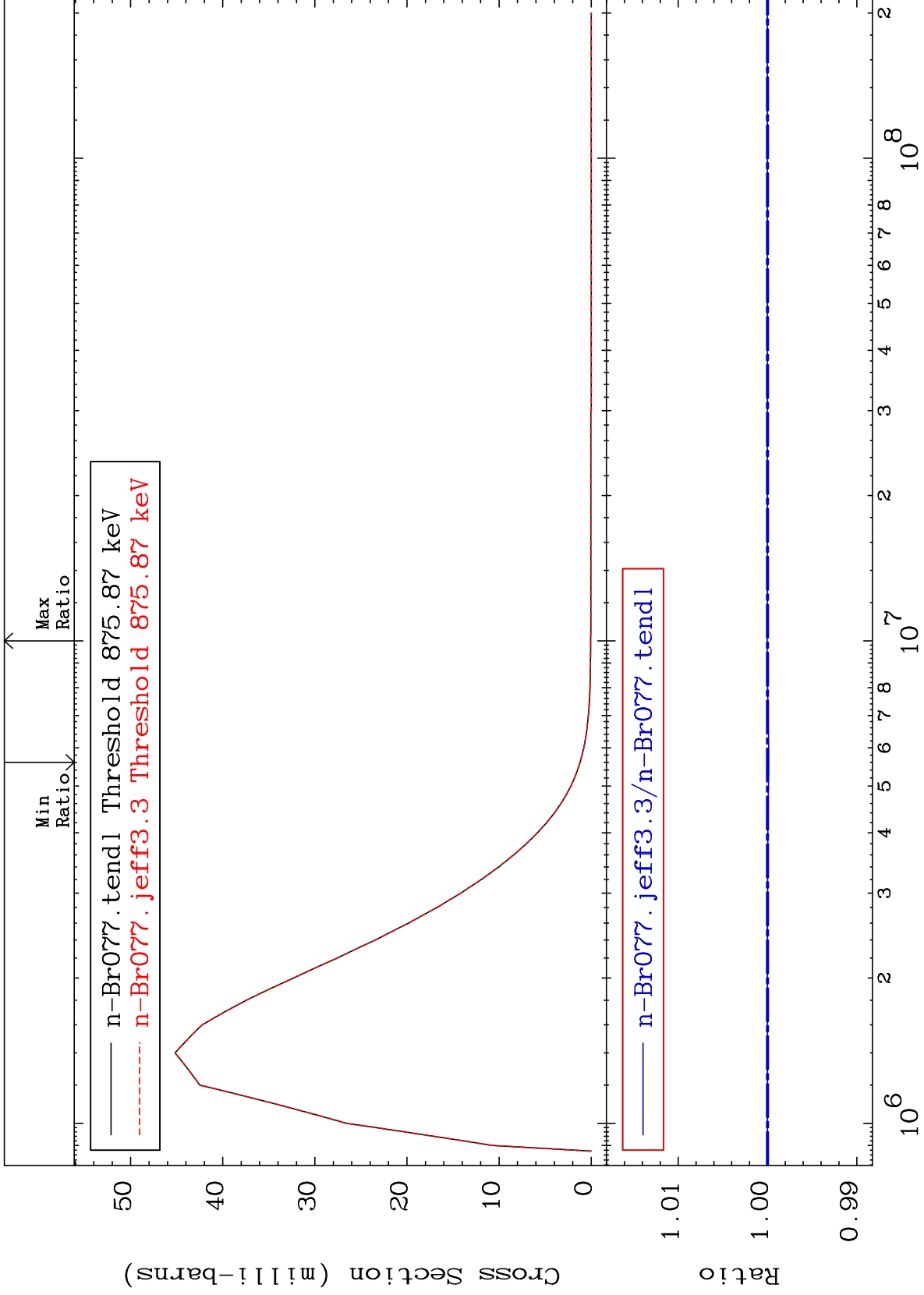
Incident Energy (eV)

35-Br-77

MAT 3519

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

35-Br-77  
-0.013 To 0.002 %



38

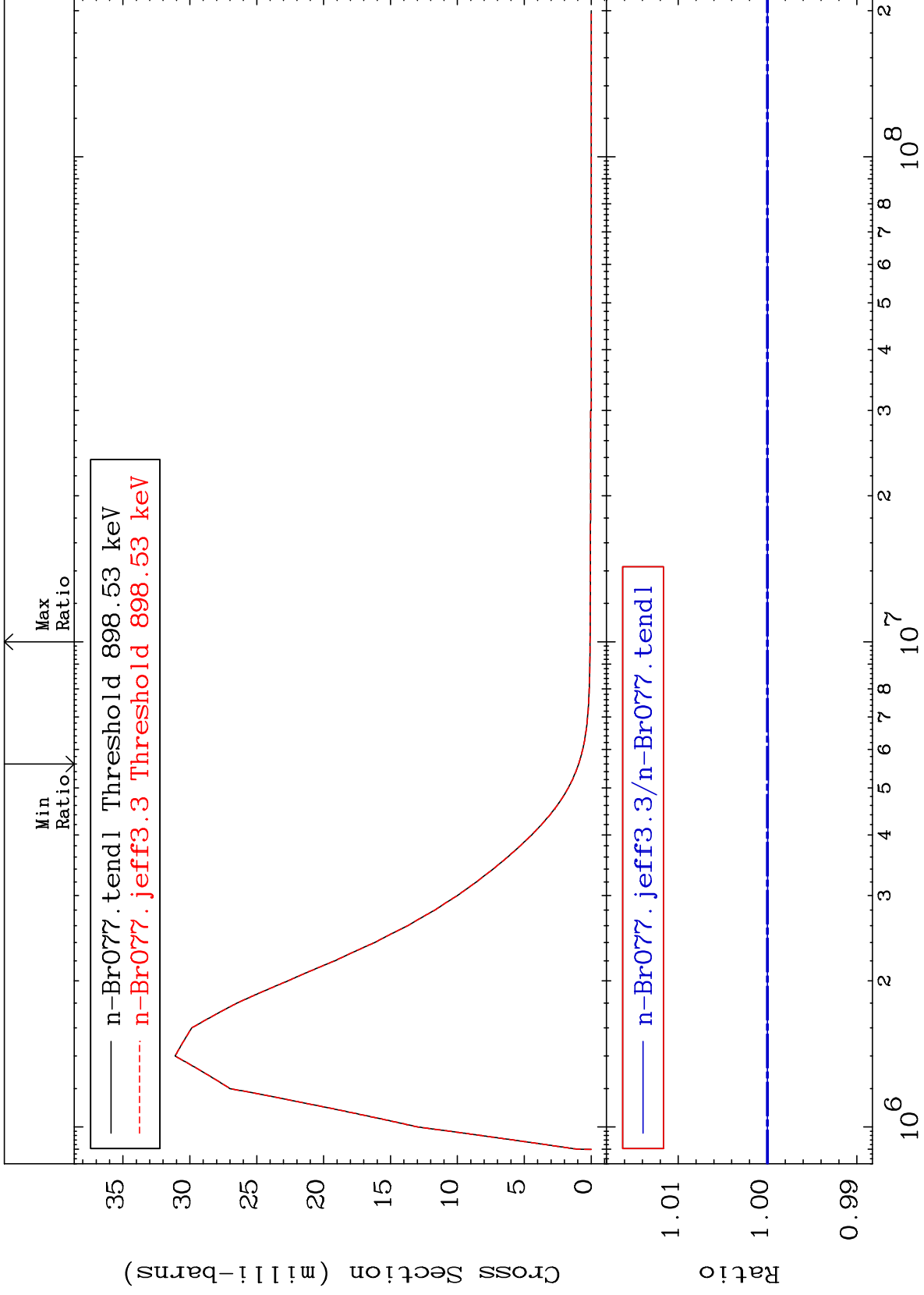
Incident Energy (eV)

35-Br-77

MAT 3519

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

35-Br-77  
-0.012 To 0.000 %



39

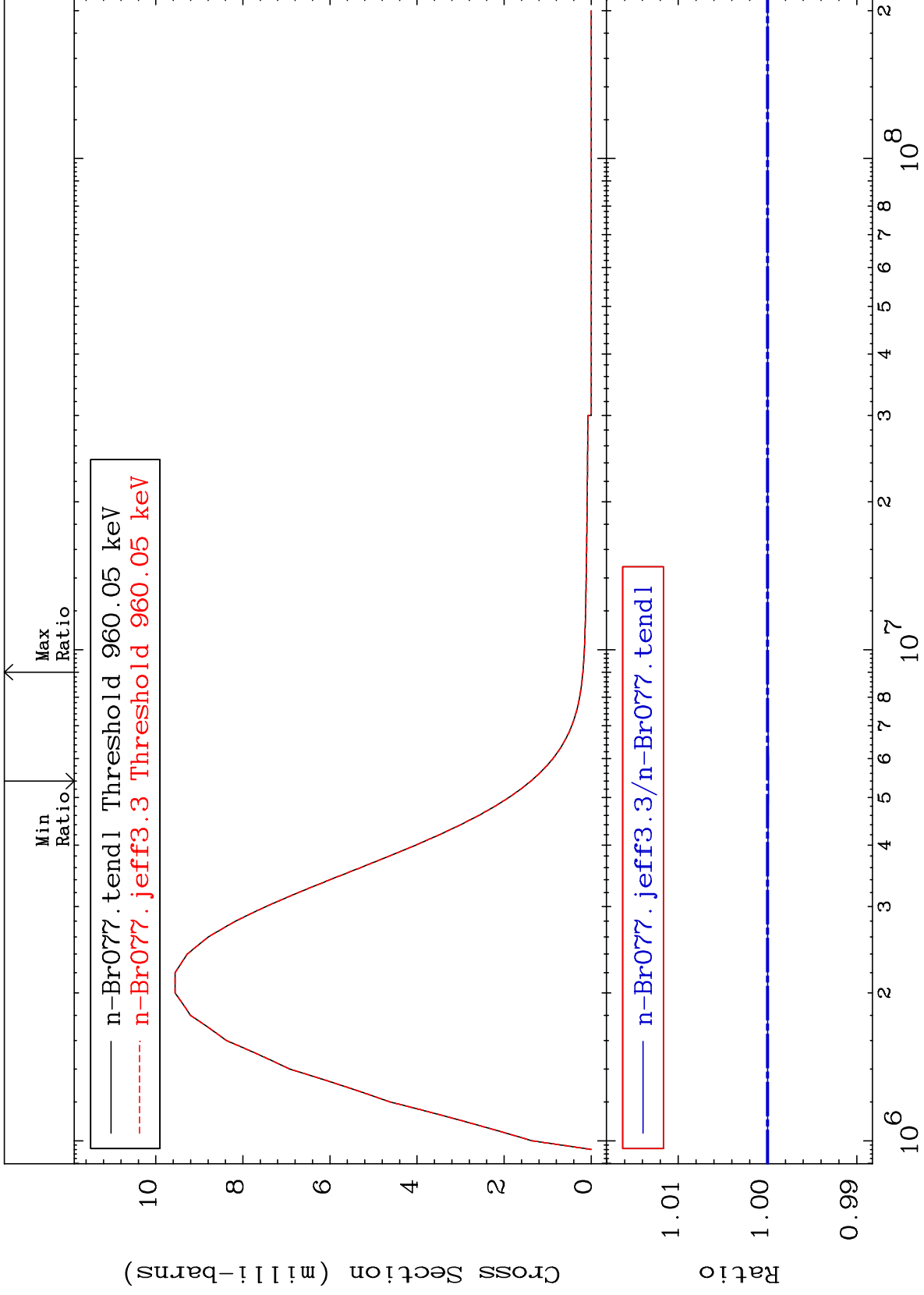
Incident Energy (eV)

35-Br-77

MAT 3519

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

35-Br-77  
-0.011 To 0.002 %



40

Incident Energy (eV)

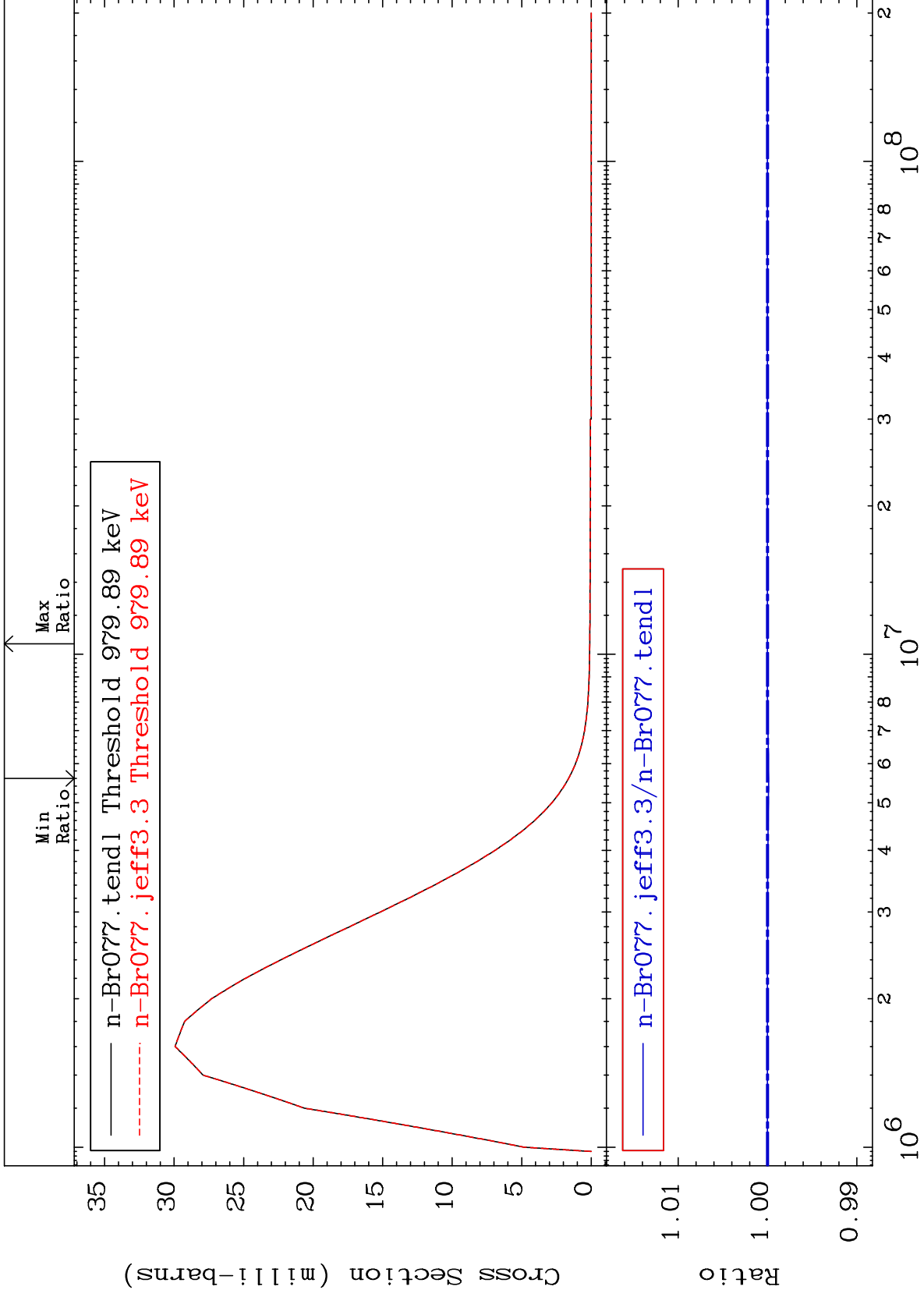
35-Br-77



MAT 3519

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

<sup>35</sup>Br-77  
-0.012 To 0.002 %



41

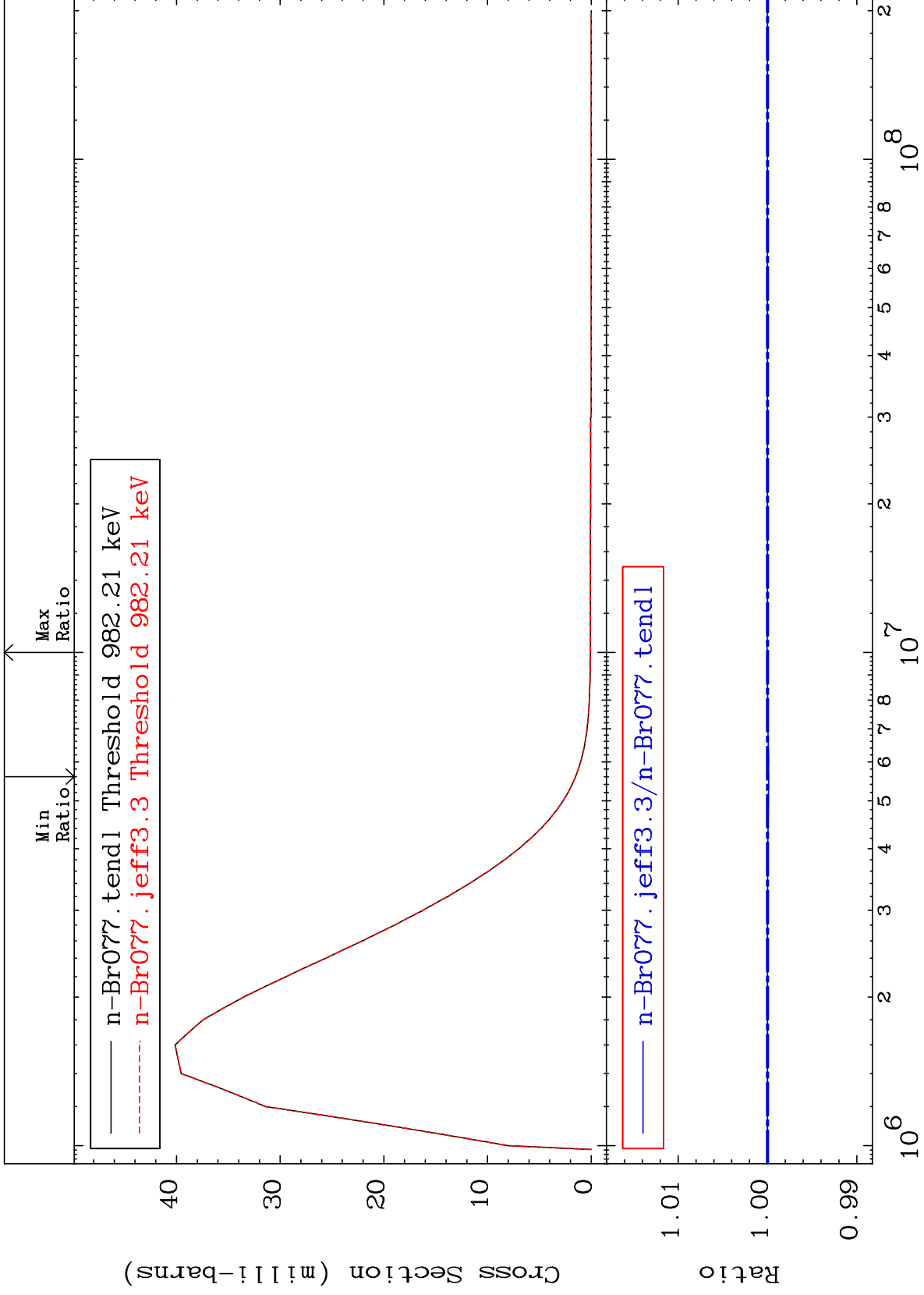
Incident Energy (eV)

<sup>35</sup>Br-77

MAT 3519

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

35-Br-77  
-0.013 To 0.002 %



42

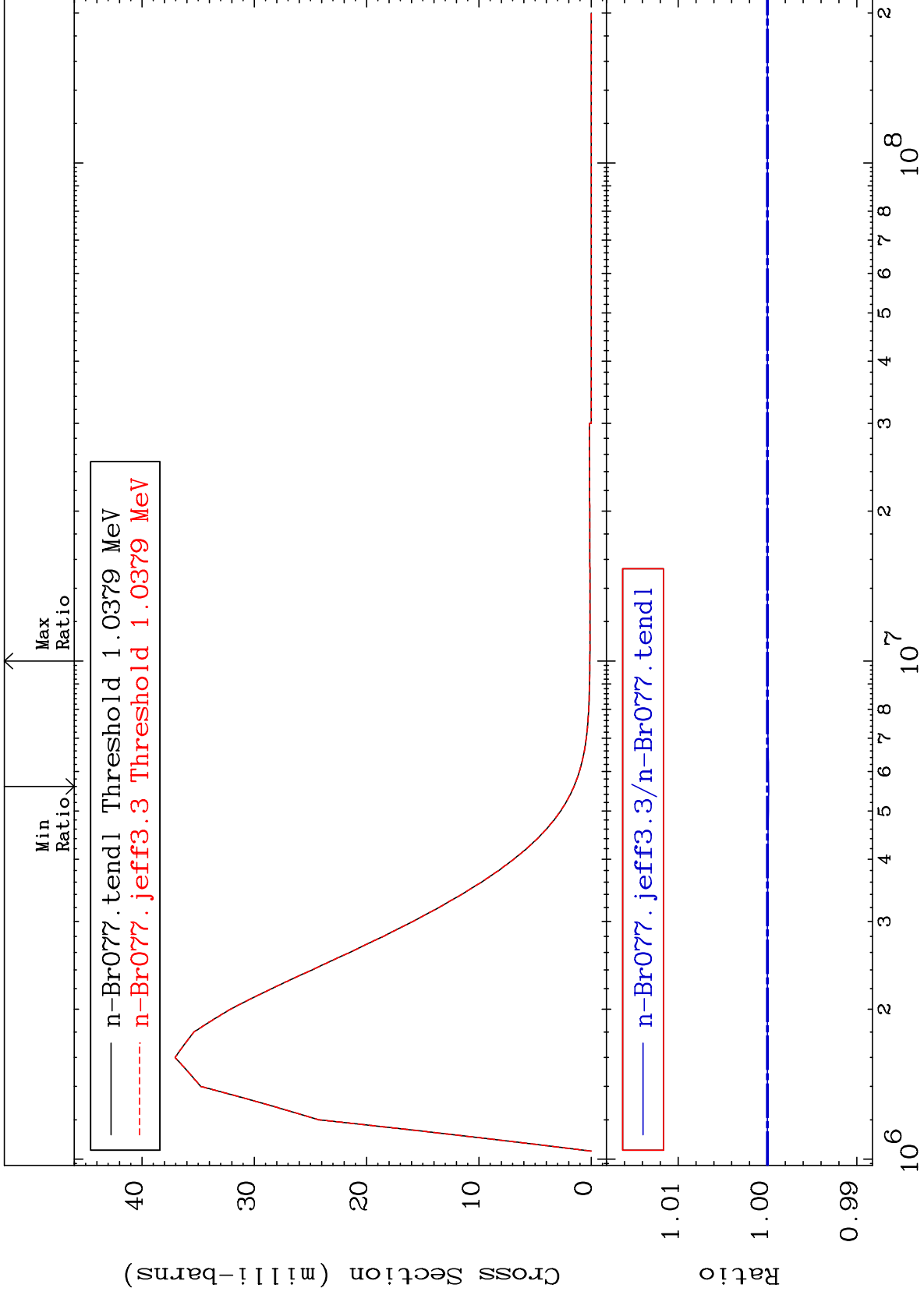
Incident Energy (eV)

35-Br-77

MAT 3519

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

35-Br-77  
-0.013 To 0.002 %



43

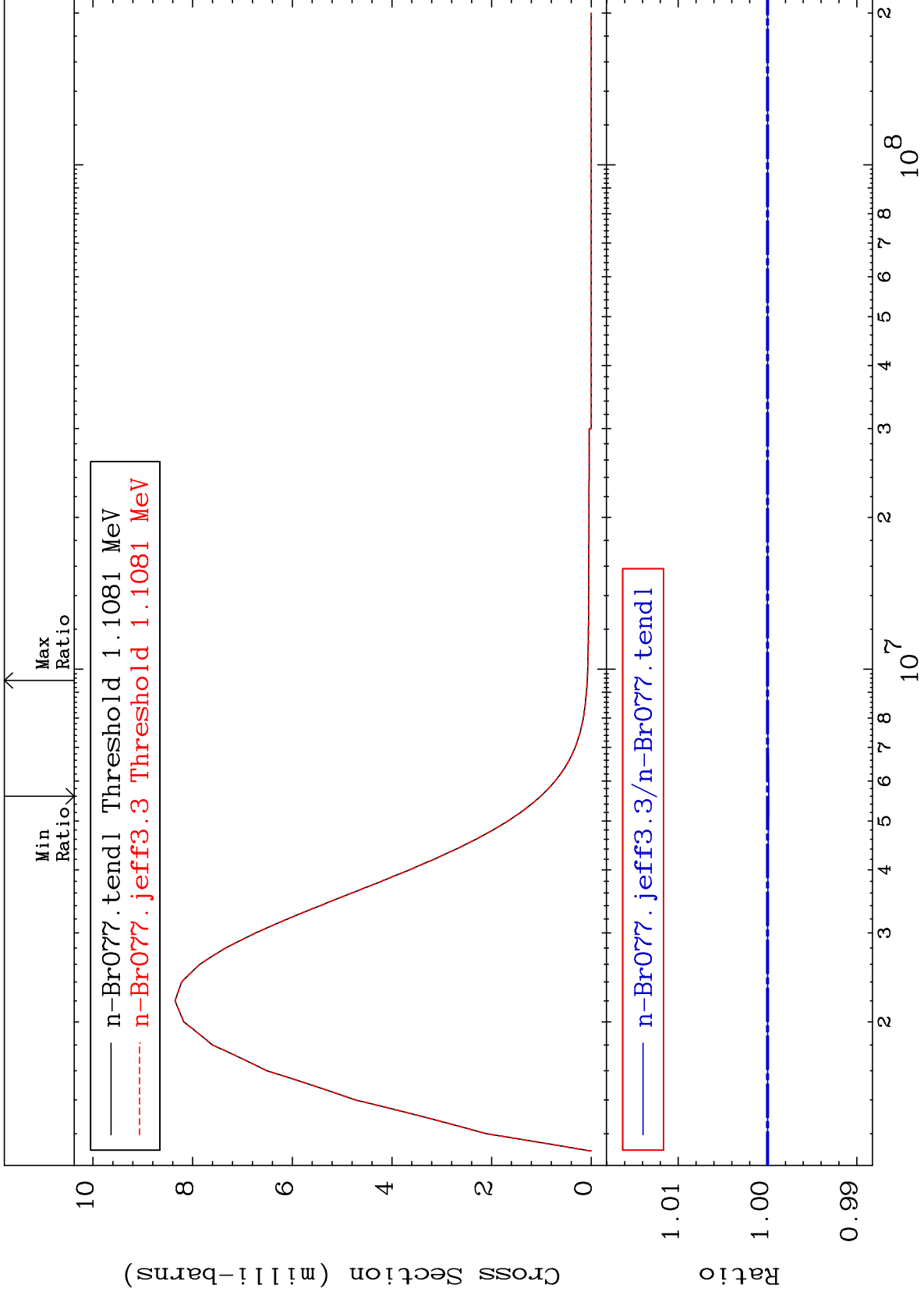
Incident Energy (eV)

35-Br-77

MAT 3519

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

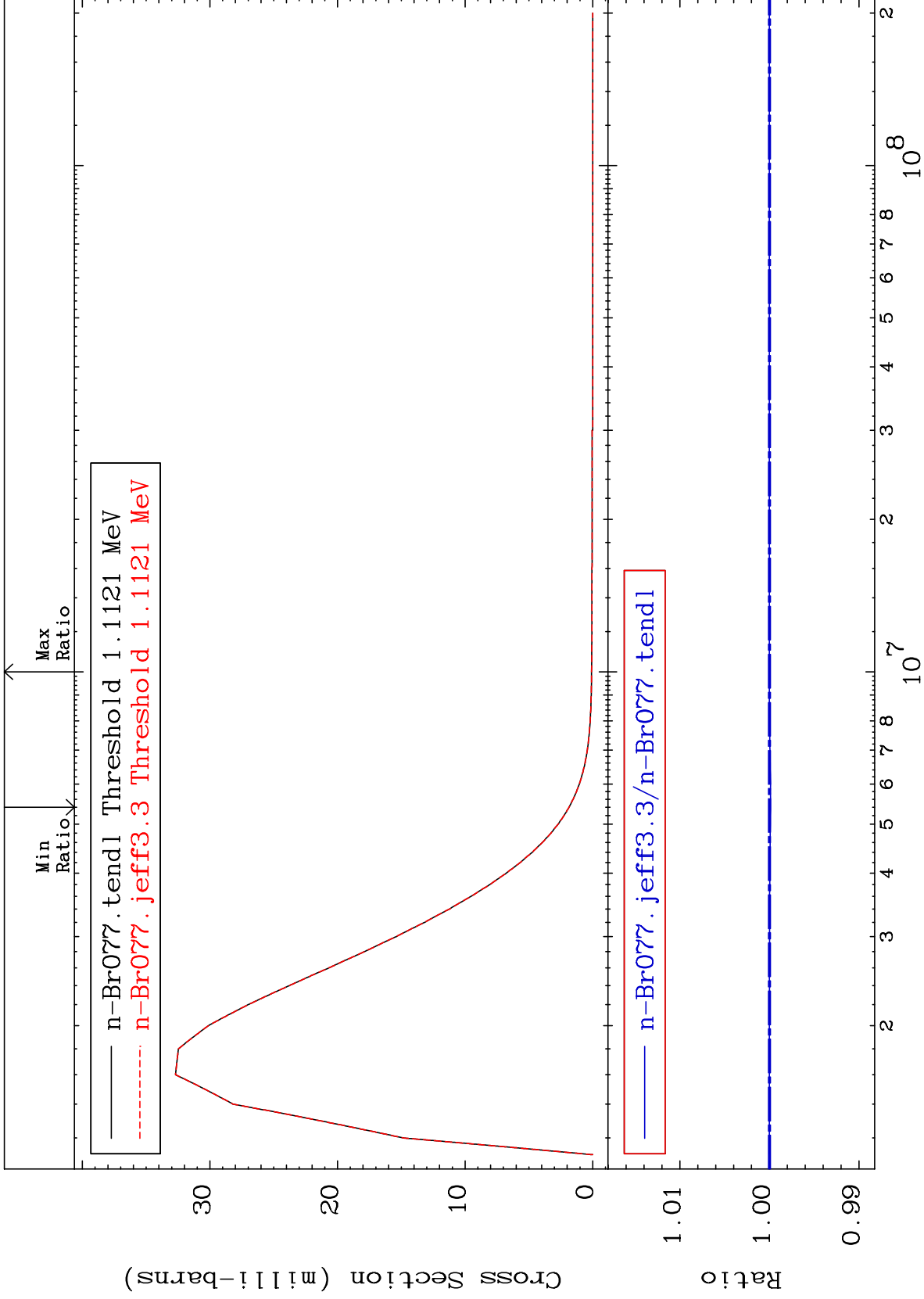
35-Br-77  
-0.012 To 0.003 %



MAT 3519

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

35-Br-77  
-0.012 To 0.002 %



45

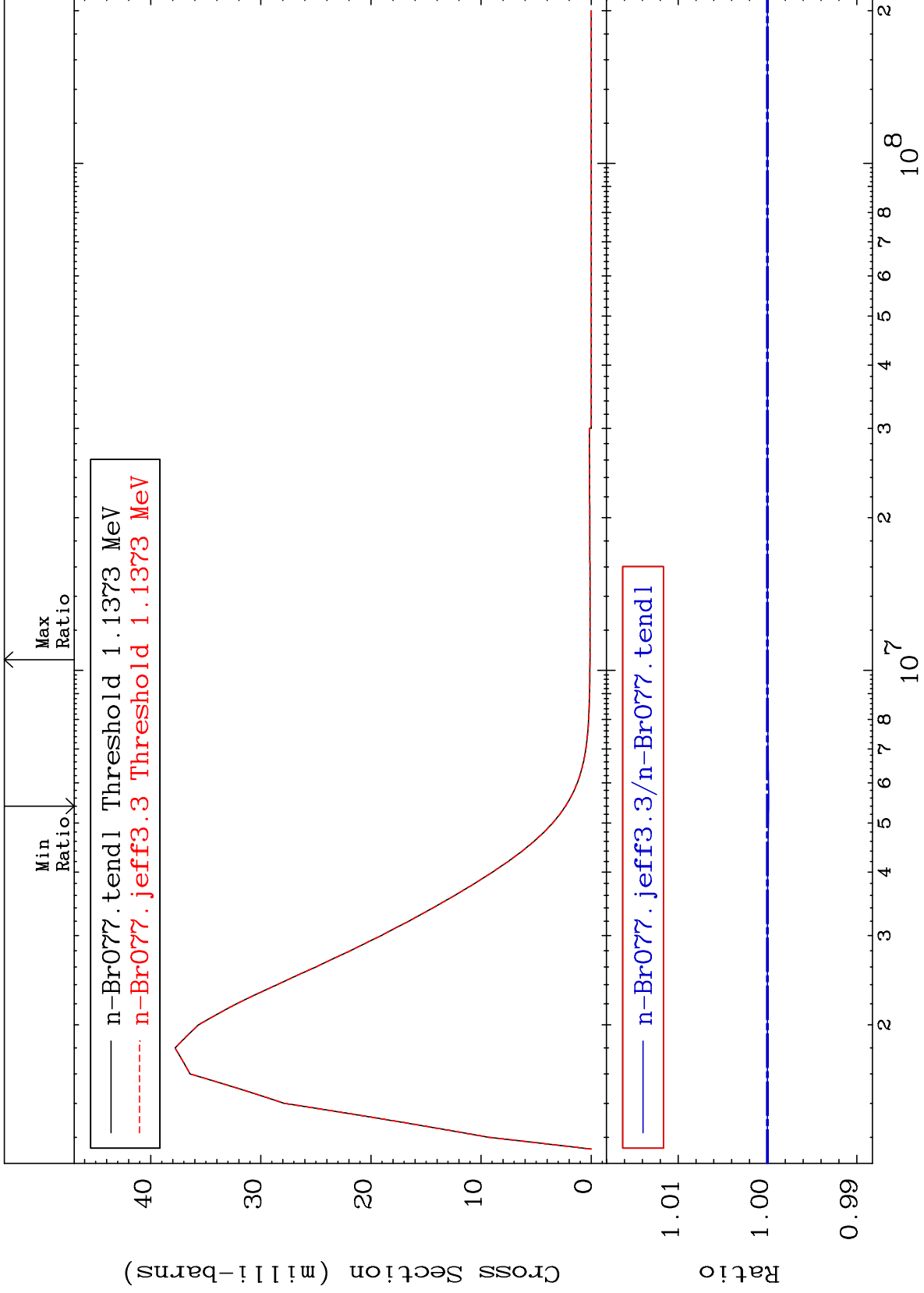
Incident Energy (eV)

35-Br-77

MAT 3519

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

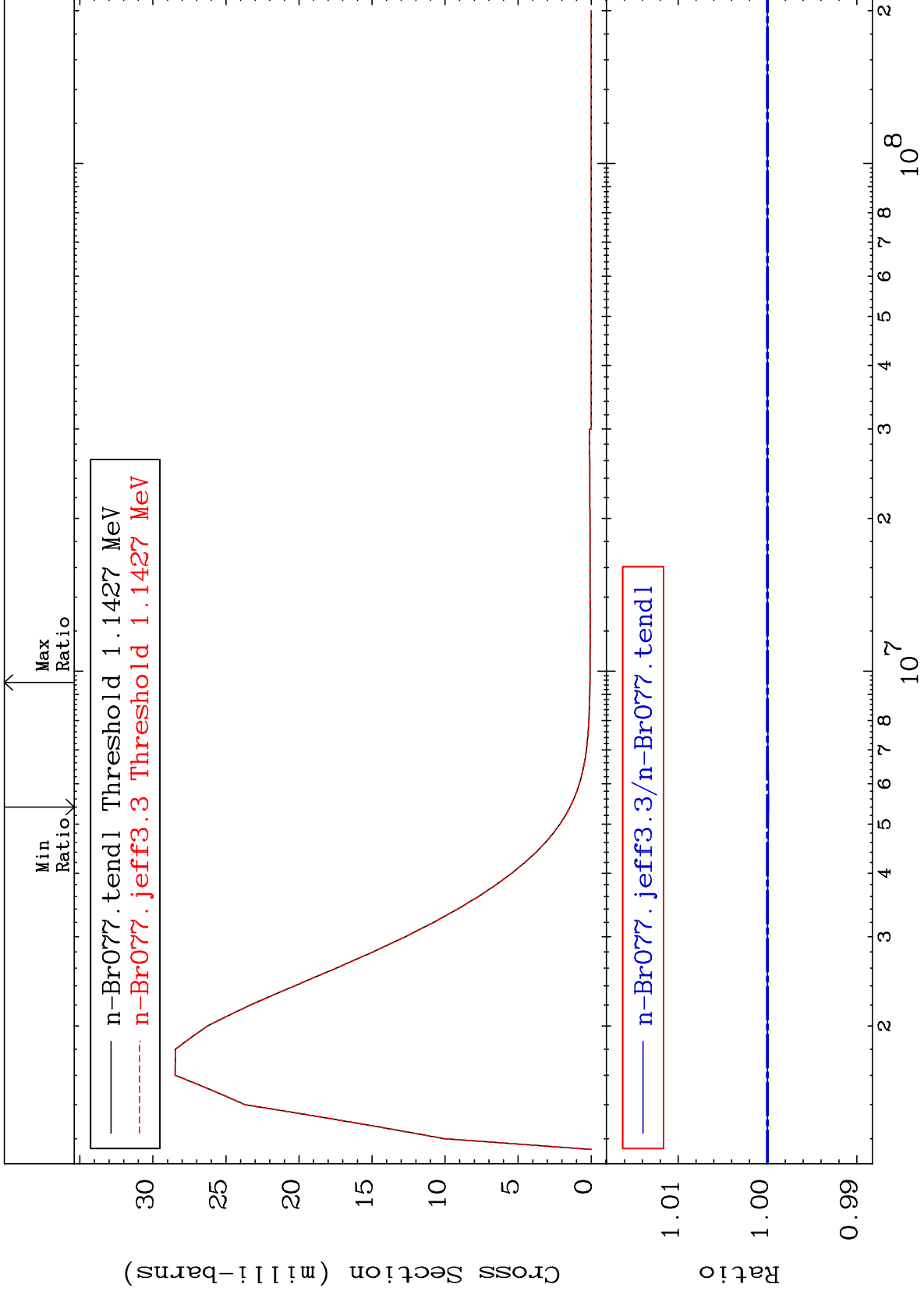
35-Br-77  
-0.013 To 0.002 %



MAT 3519

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

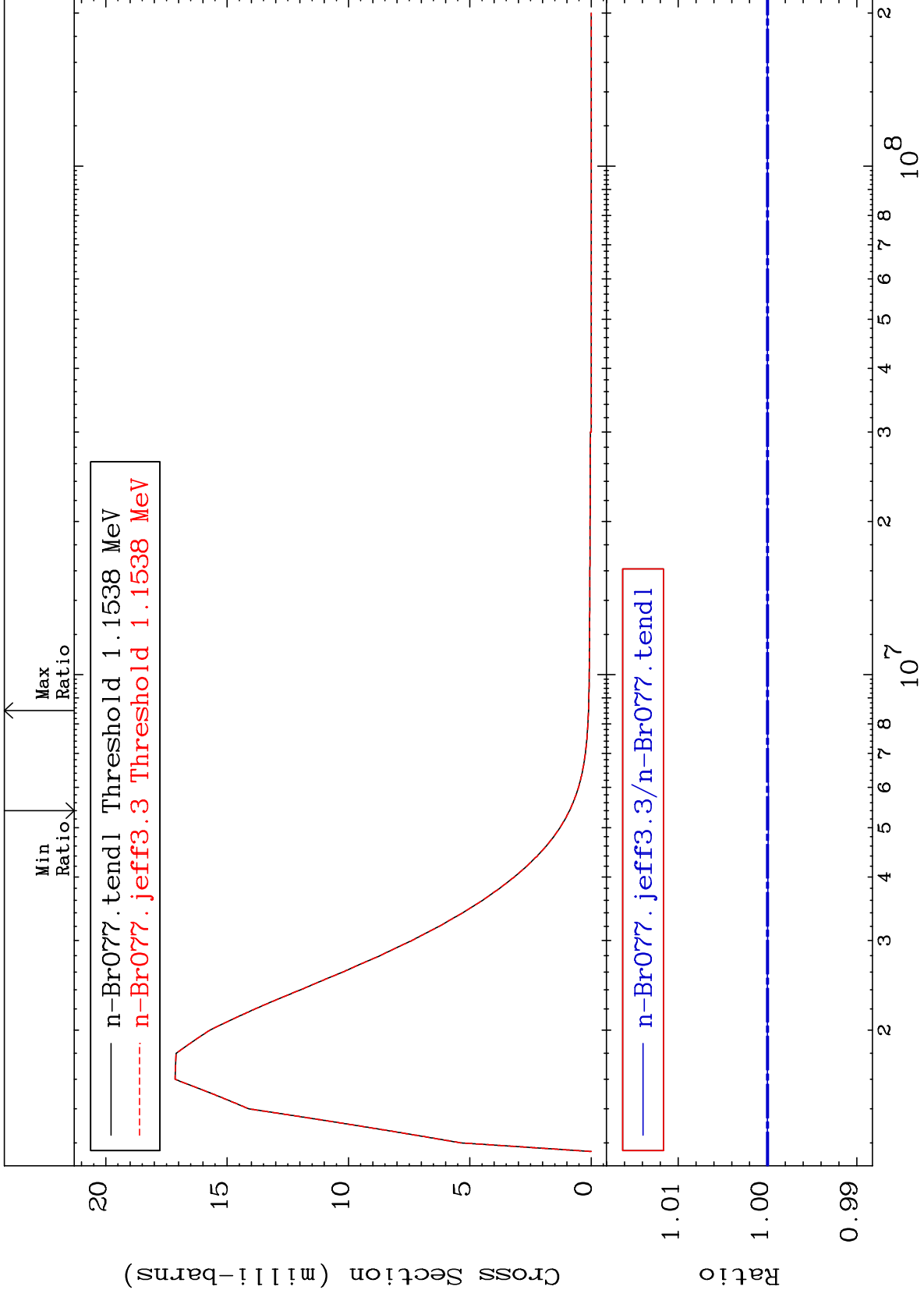
35-Br-77  
-0.013 To 0.001 %



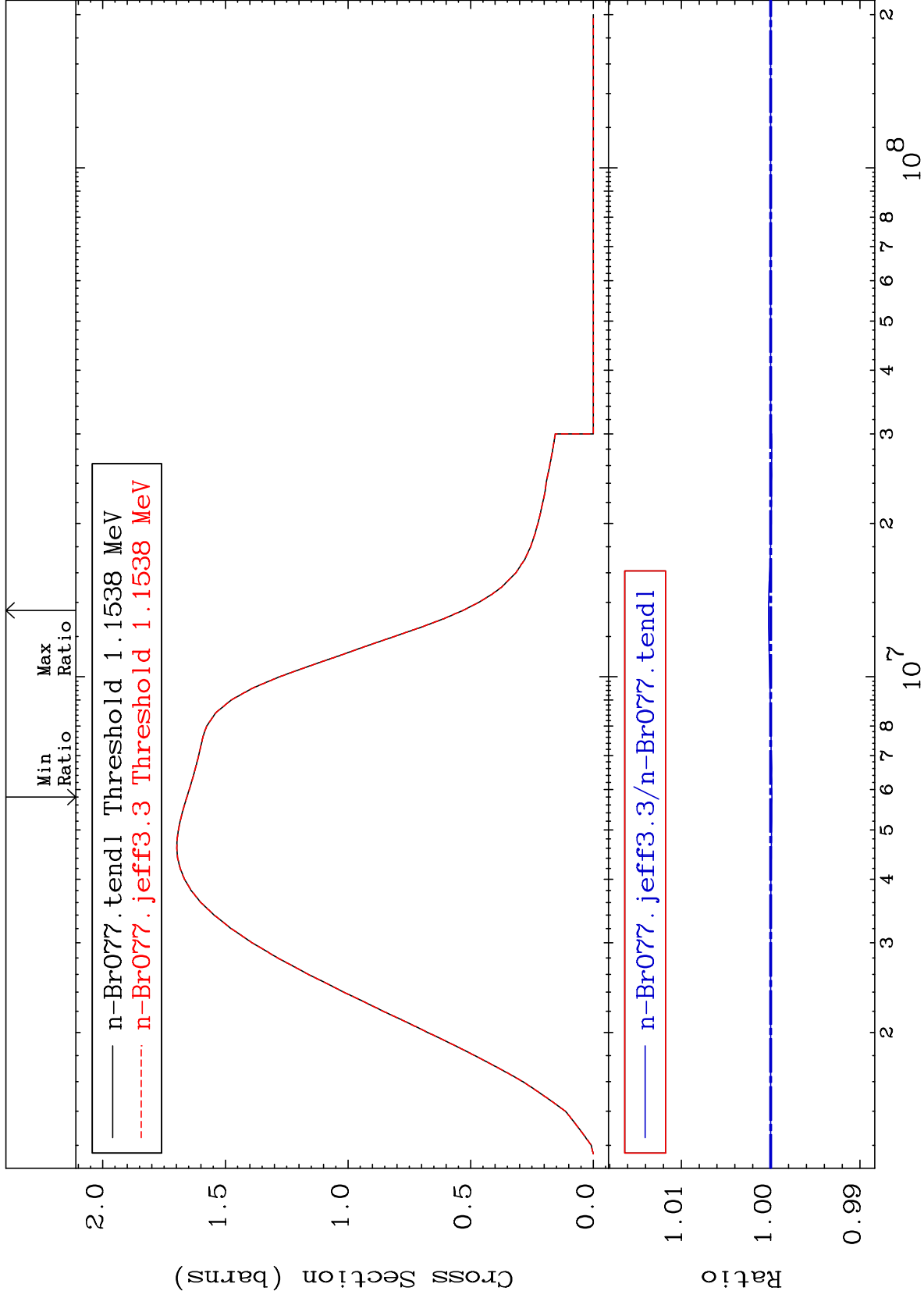
MAT 3519

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

35-Br-77  
-0.012 To 0.000 %



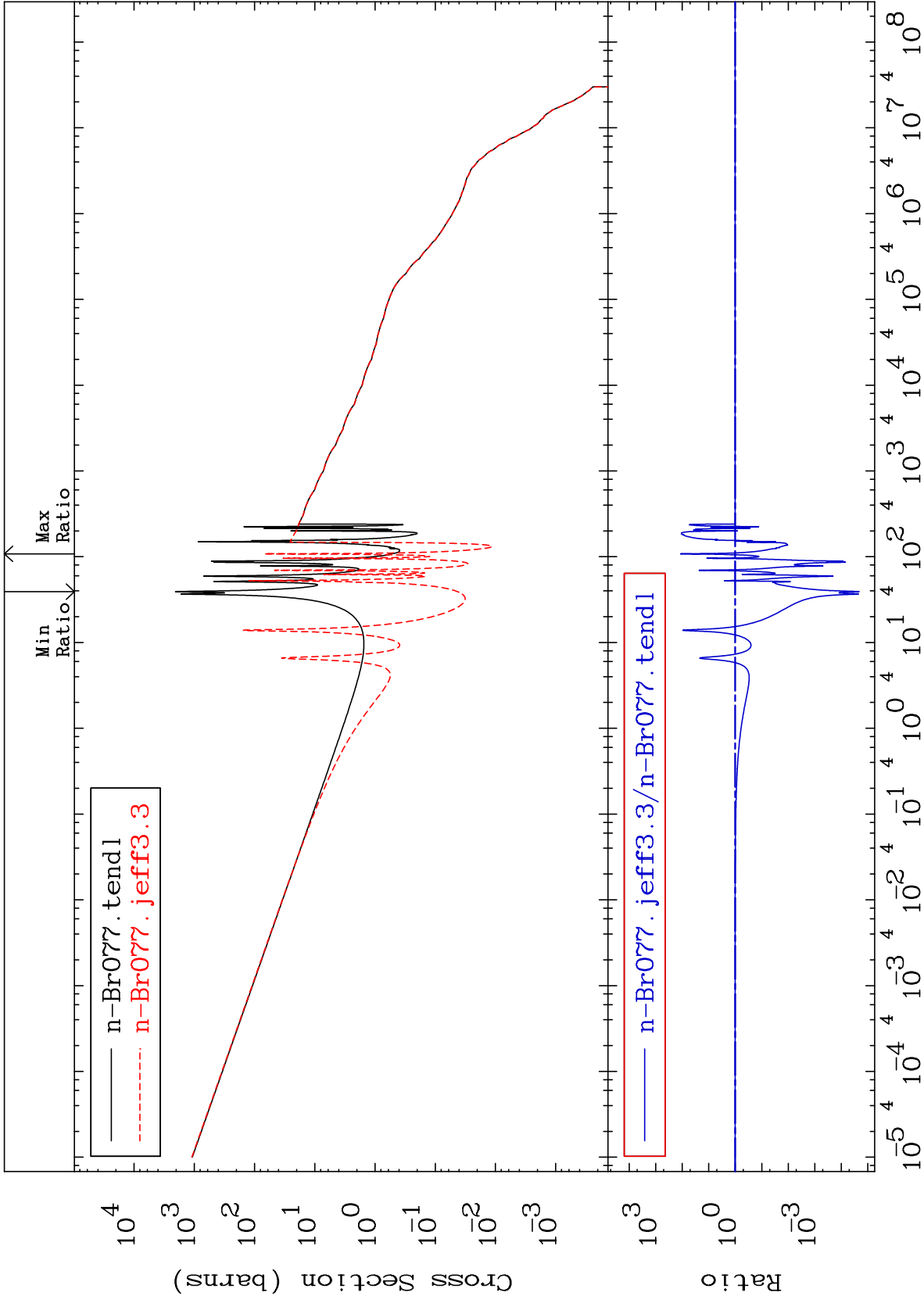




MAT 3519

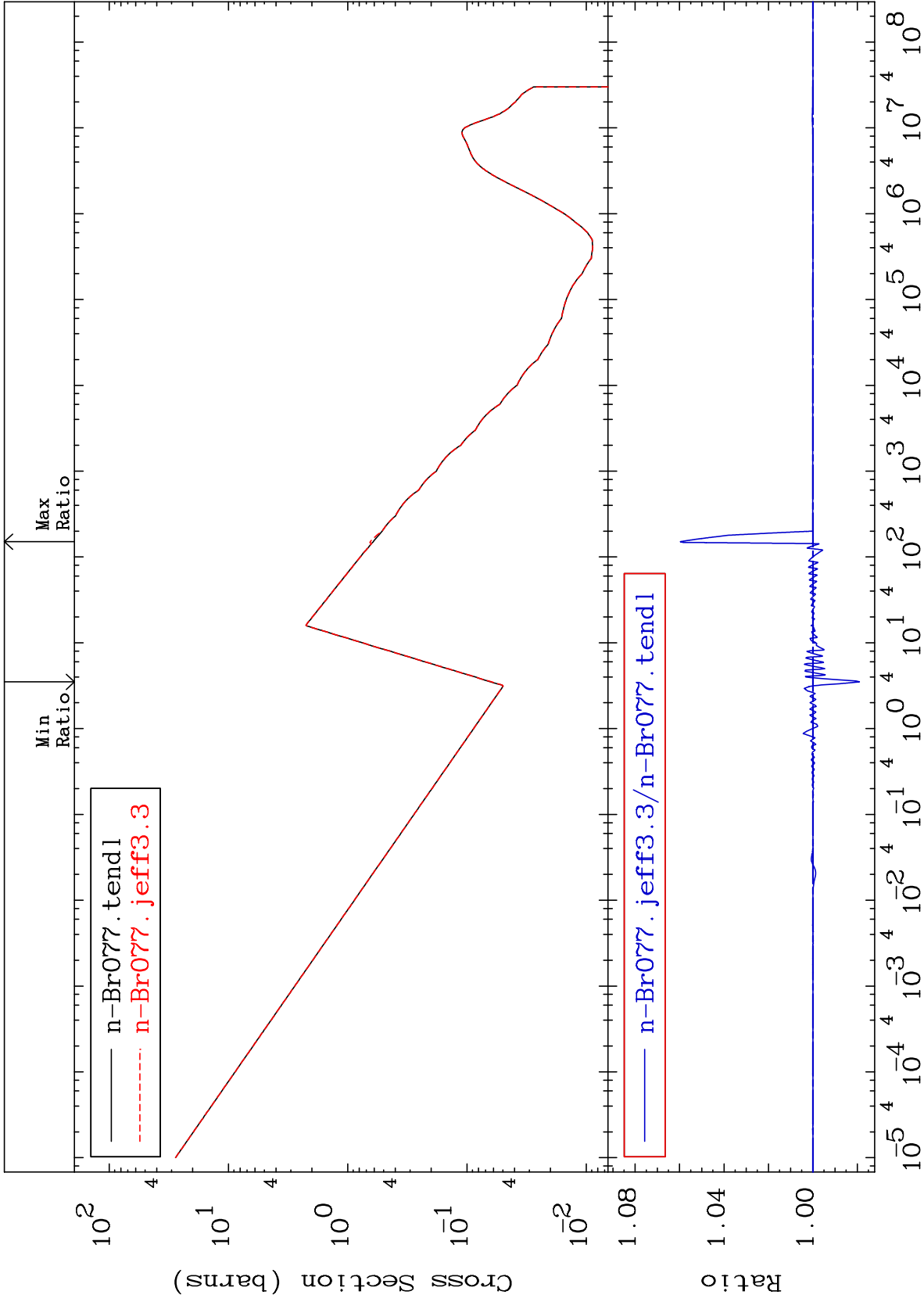
(n,  $\gamma$ )  
Cross Section

35-Br-77  
-100.0 To 9999. %



MAT 3519

(n, p) Cross Section  
35-Br-77  
-2.097 To 5.965 %



51

Incident Energy (eV)

35-Br-77

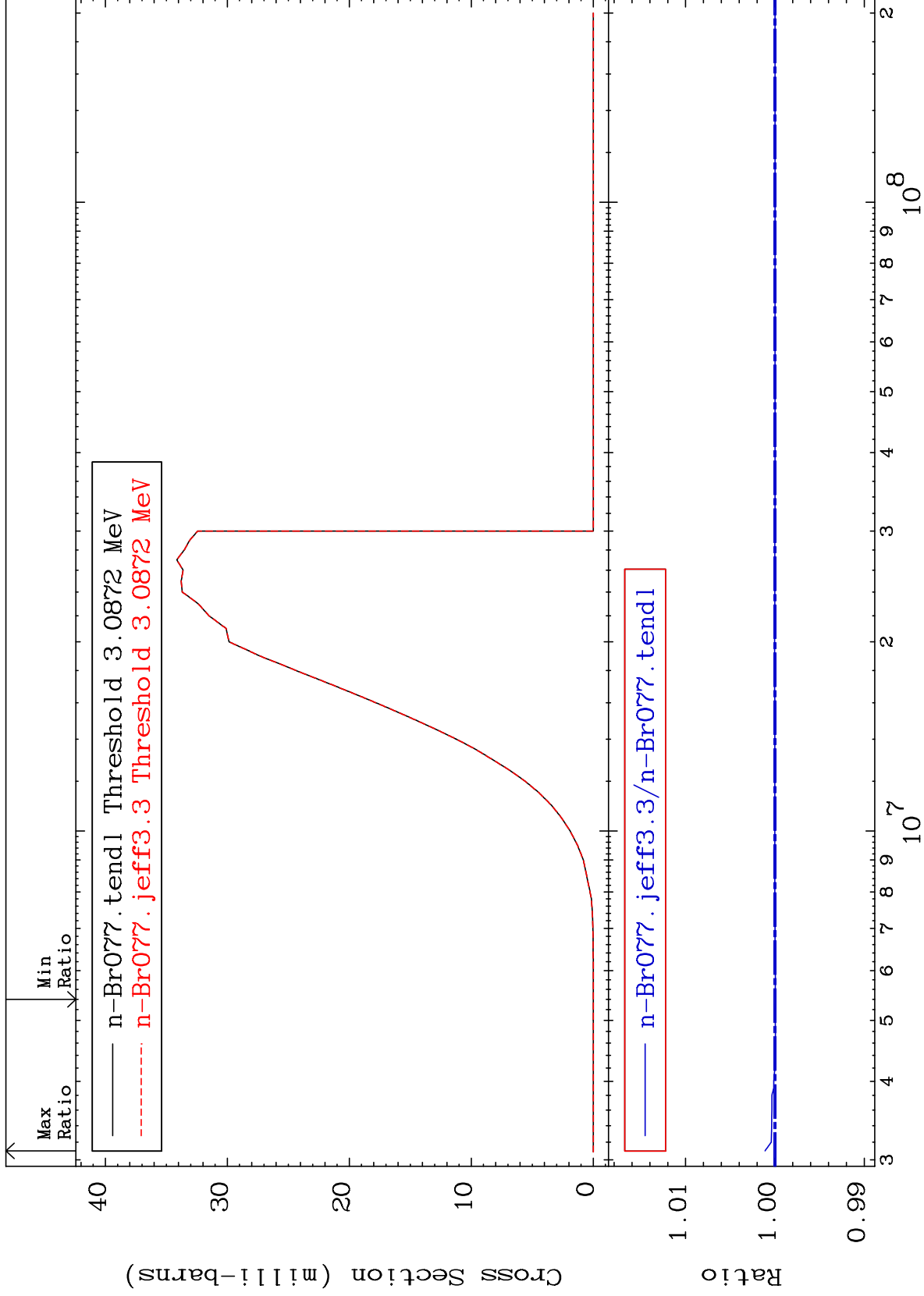
MAT 3519

(n, d)

<sup>35</sup>Br-77

Cross Section

-0.005 To 0.112 %



52

Incident Energy (eV)

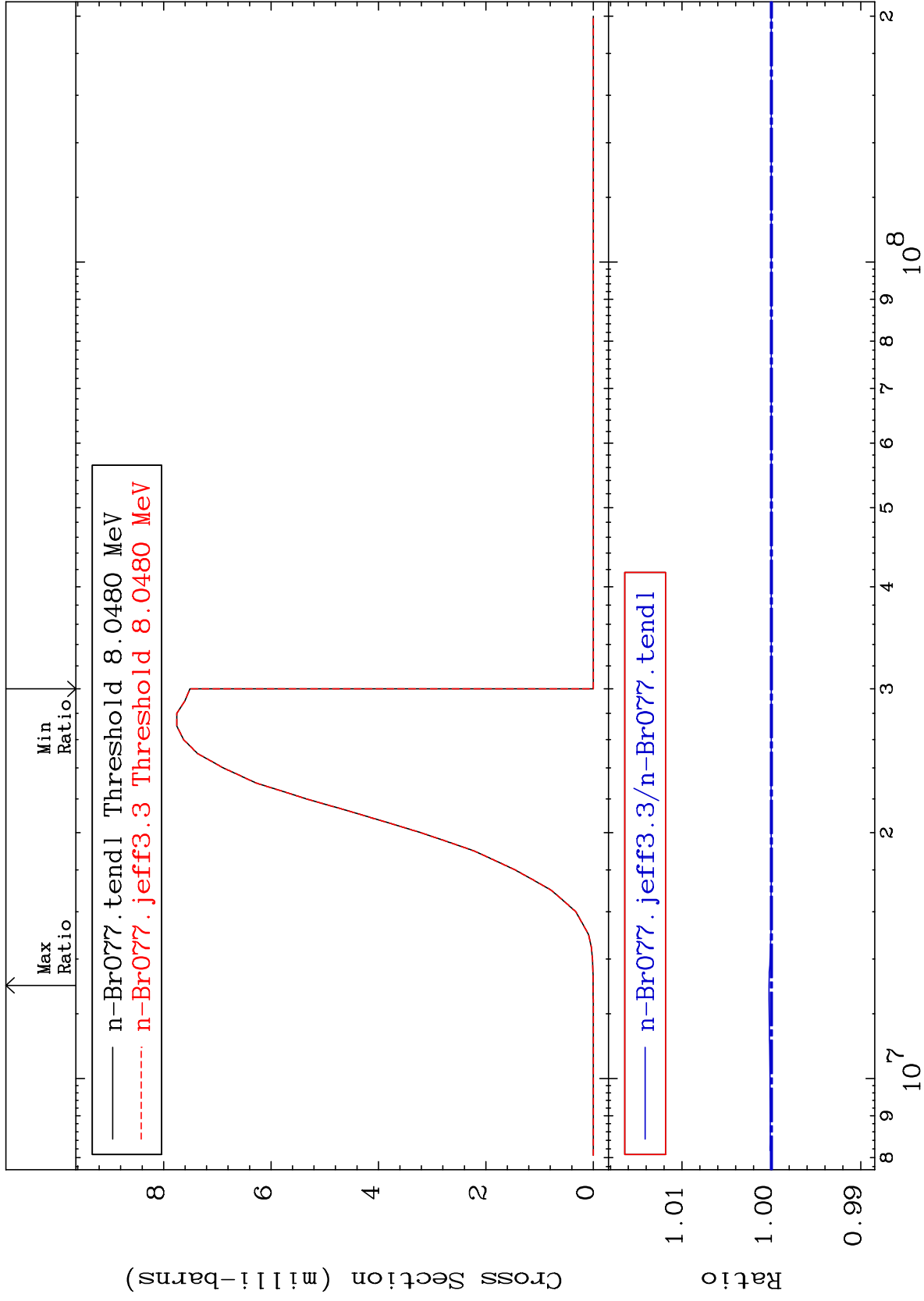
<sup>35</sup>Br-77

MAT 3519

<sup>35</sup>Br-77

(n, t) To 0.027 %

Cross Section



53

Incident Energy (eV)

<sup>35</sup>Br-77

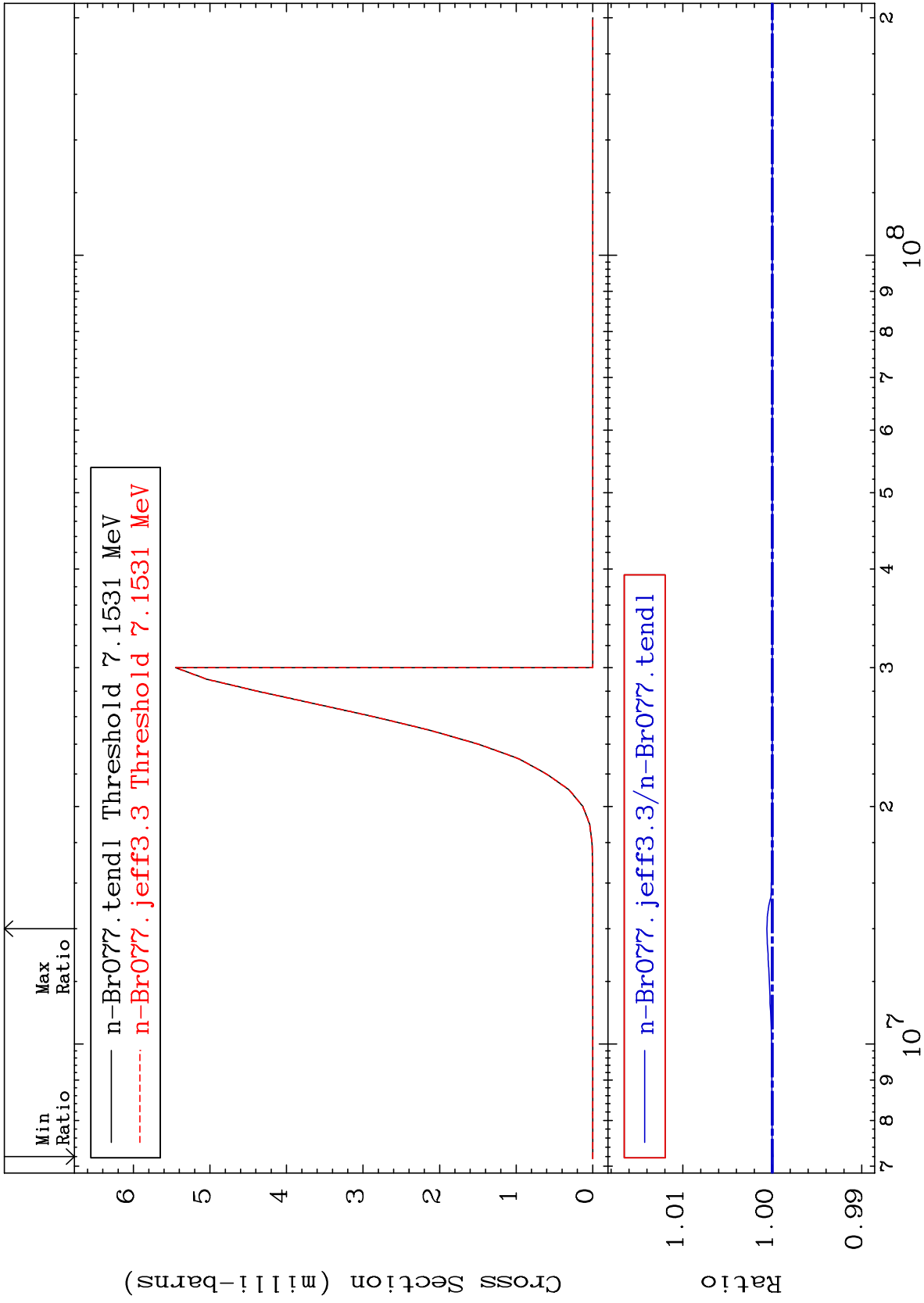
MAT 3519

(n, He-3)

35-Br-77

Cross Section

-0.007 To 0.060 %



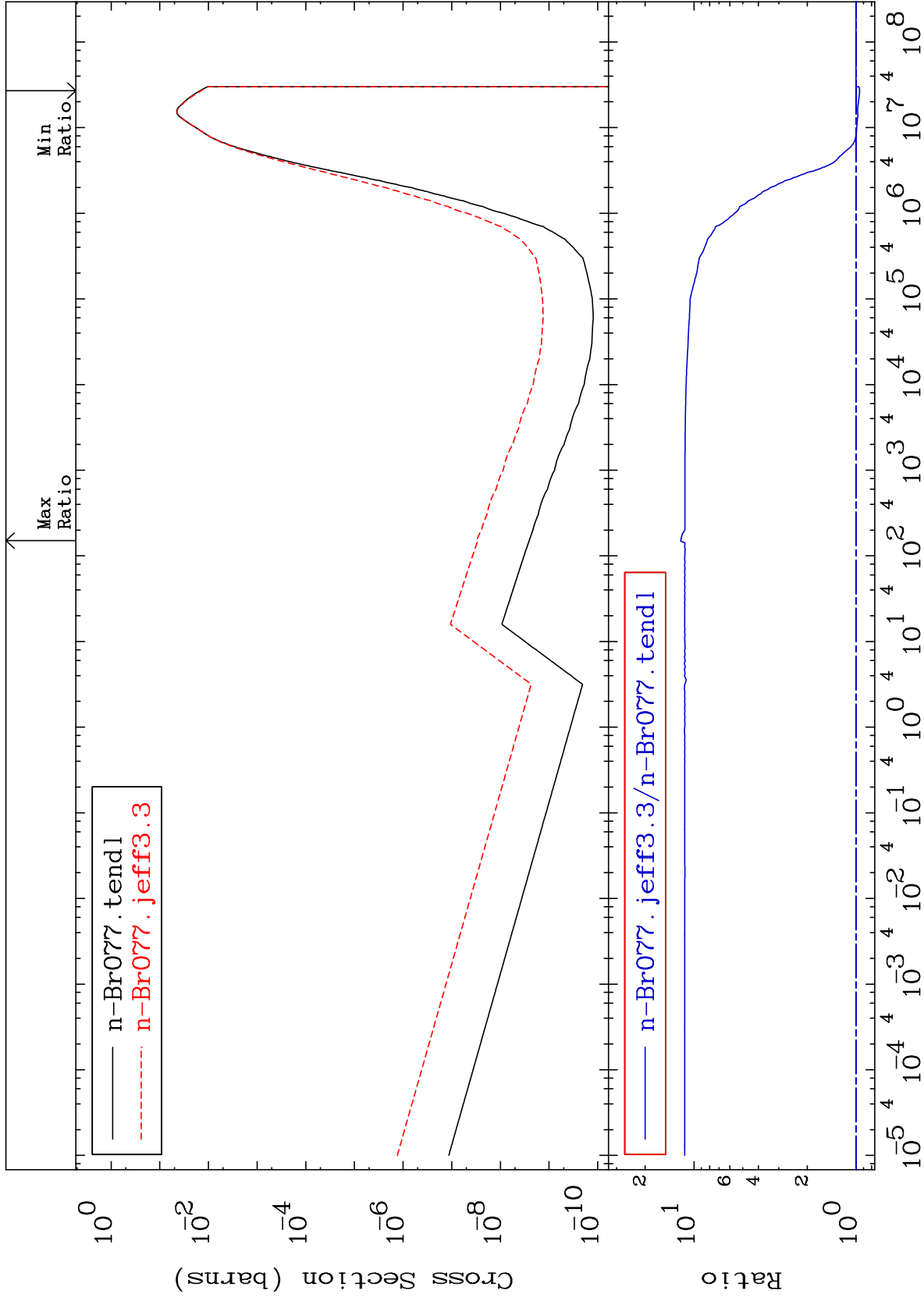
MAT 3519

(n,  $\alpha$ )

<sup>35</sup>Br-77

Cross Section

-4.896 To 1107. %



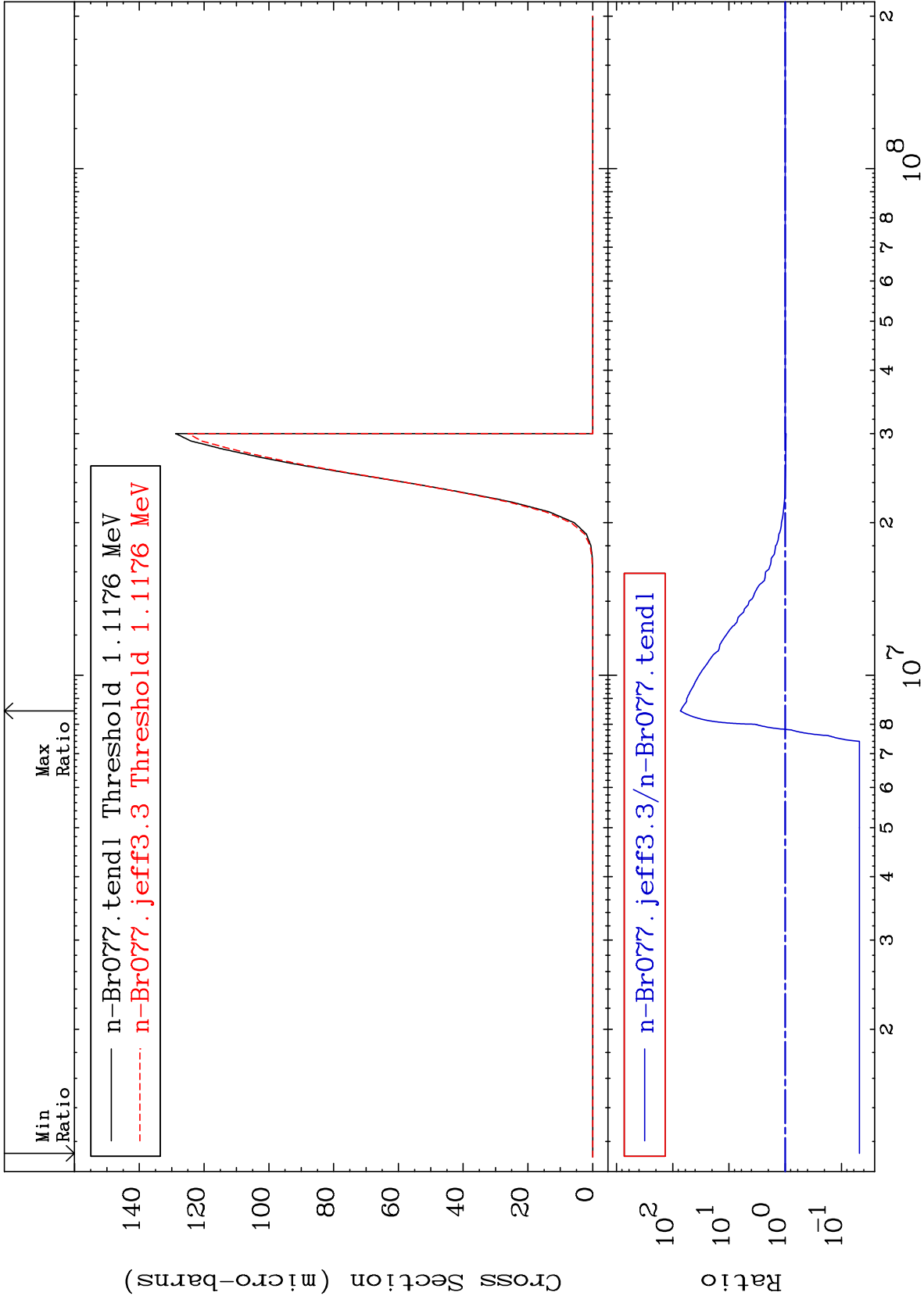
55

Incident Energy (eV)

<sup>35</sup>Br-77

Cross Section

-95.22 To 7227. %



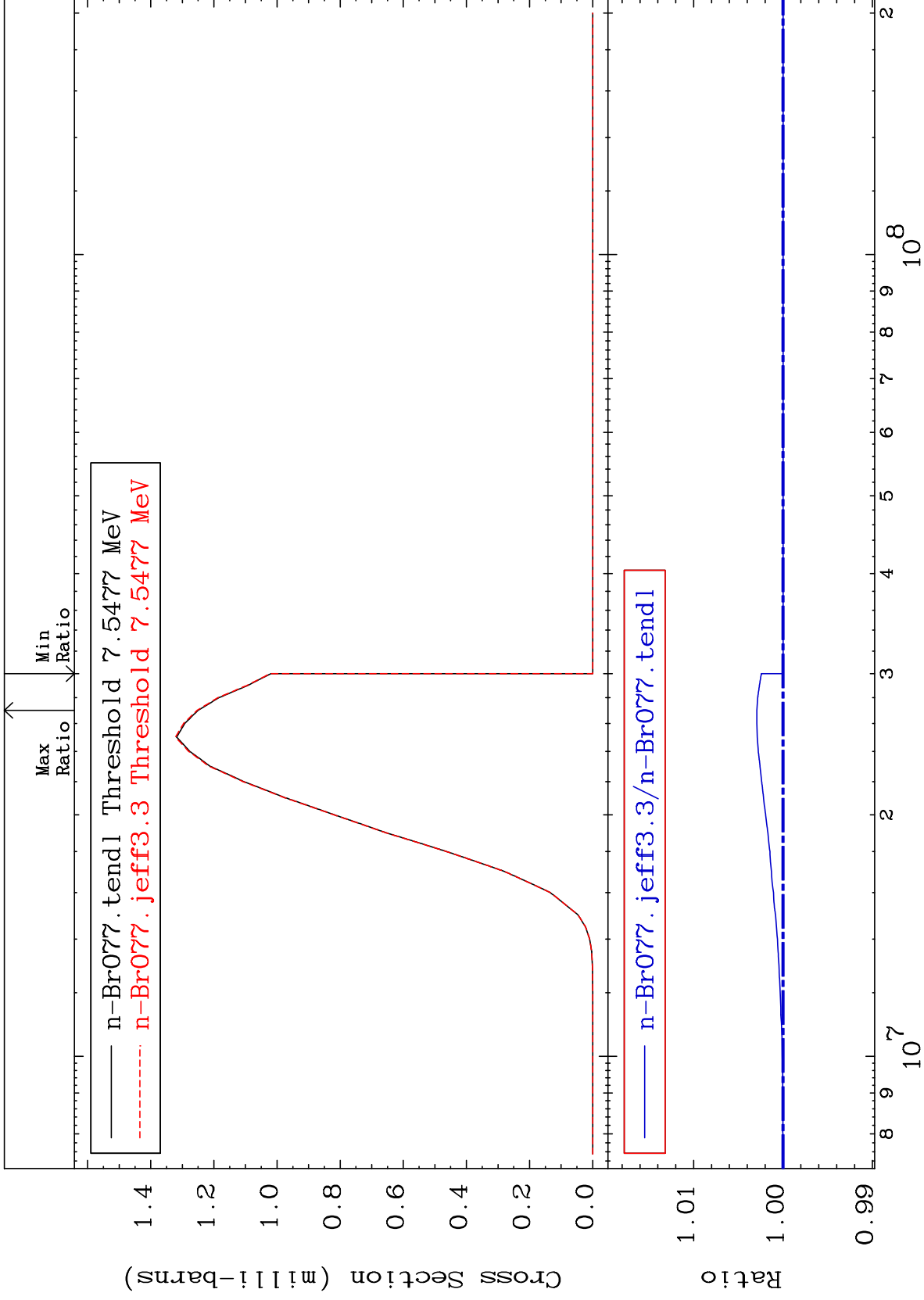


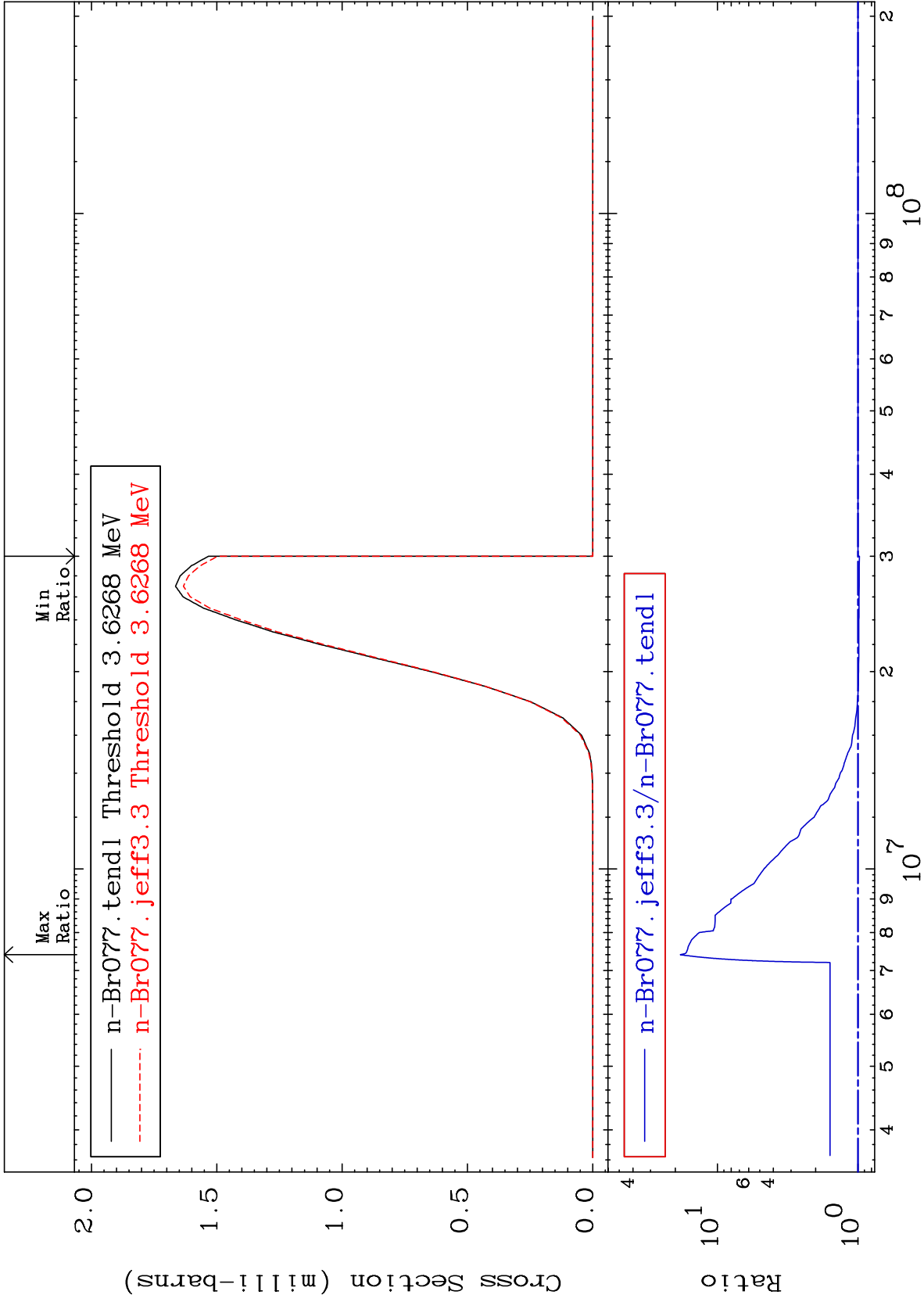
MAT 3519

(n,2p)

35-Br-77  
0.000 To 0.294 %

Cross Section





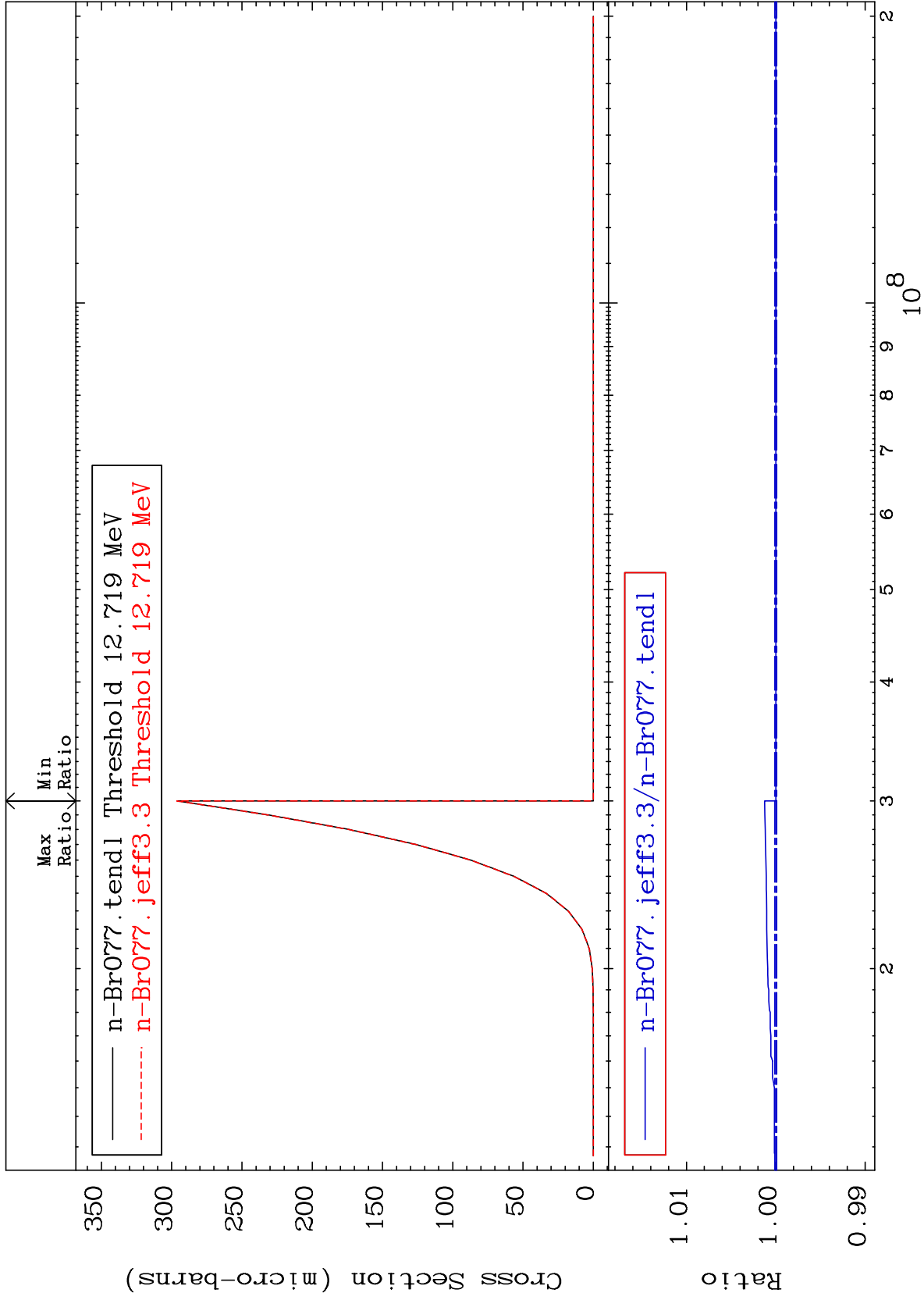
MAT 3519

(n, p) d

<sup>35</sup>Br-77

Cross Section

0.000 To 0.126 %



MAT 3519

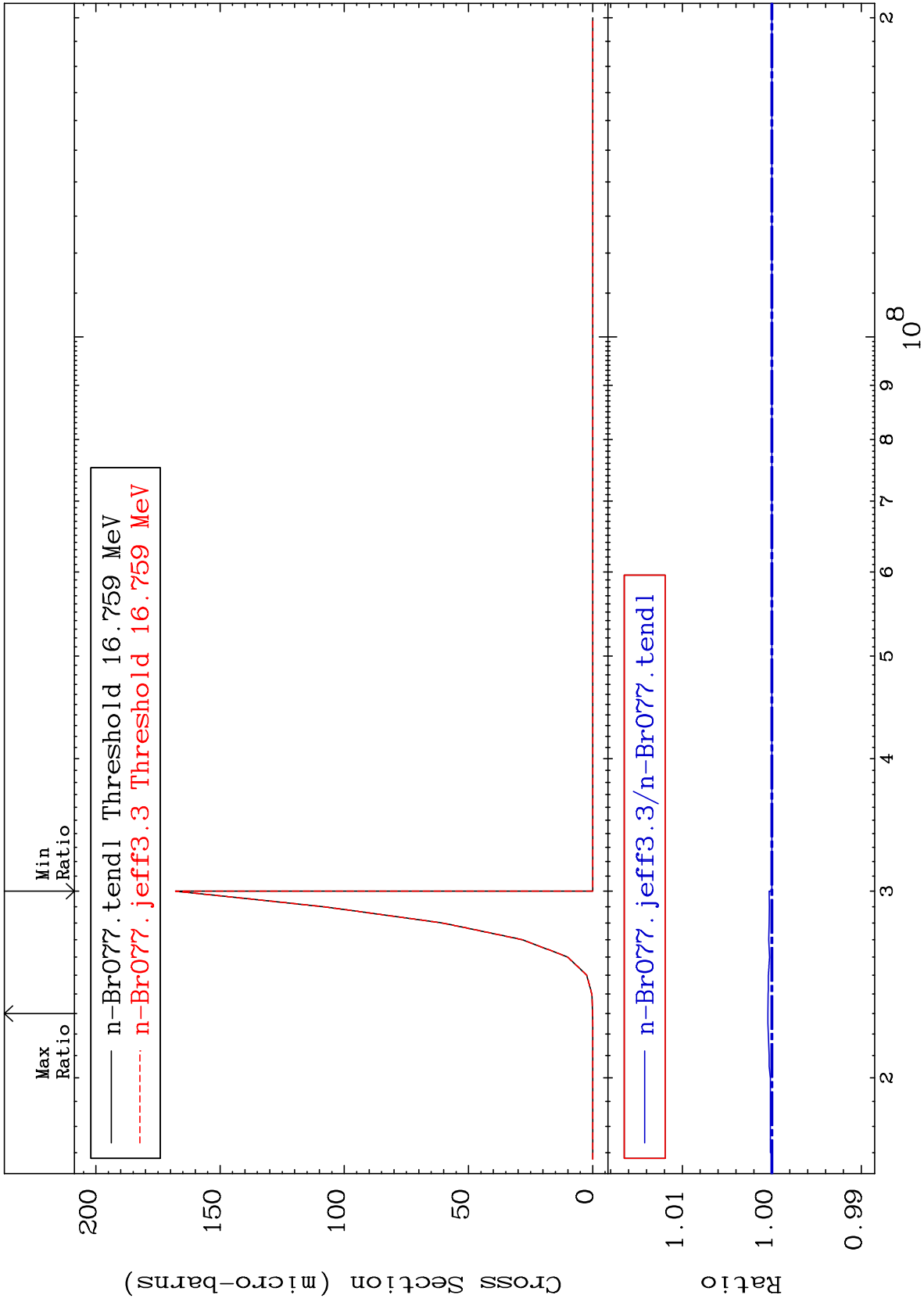
(n, p) t

<sup>35</sup>Br-77

Cross Section

0.000

To 0.043 %



60

Incident Energy (eV)

<sup>35</sup>Br-77

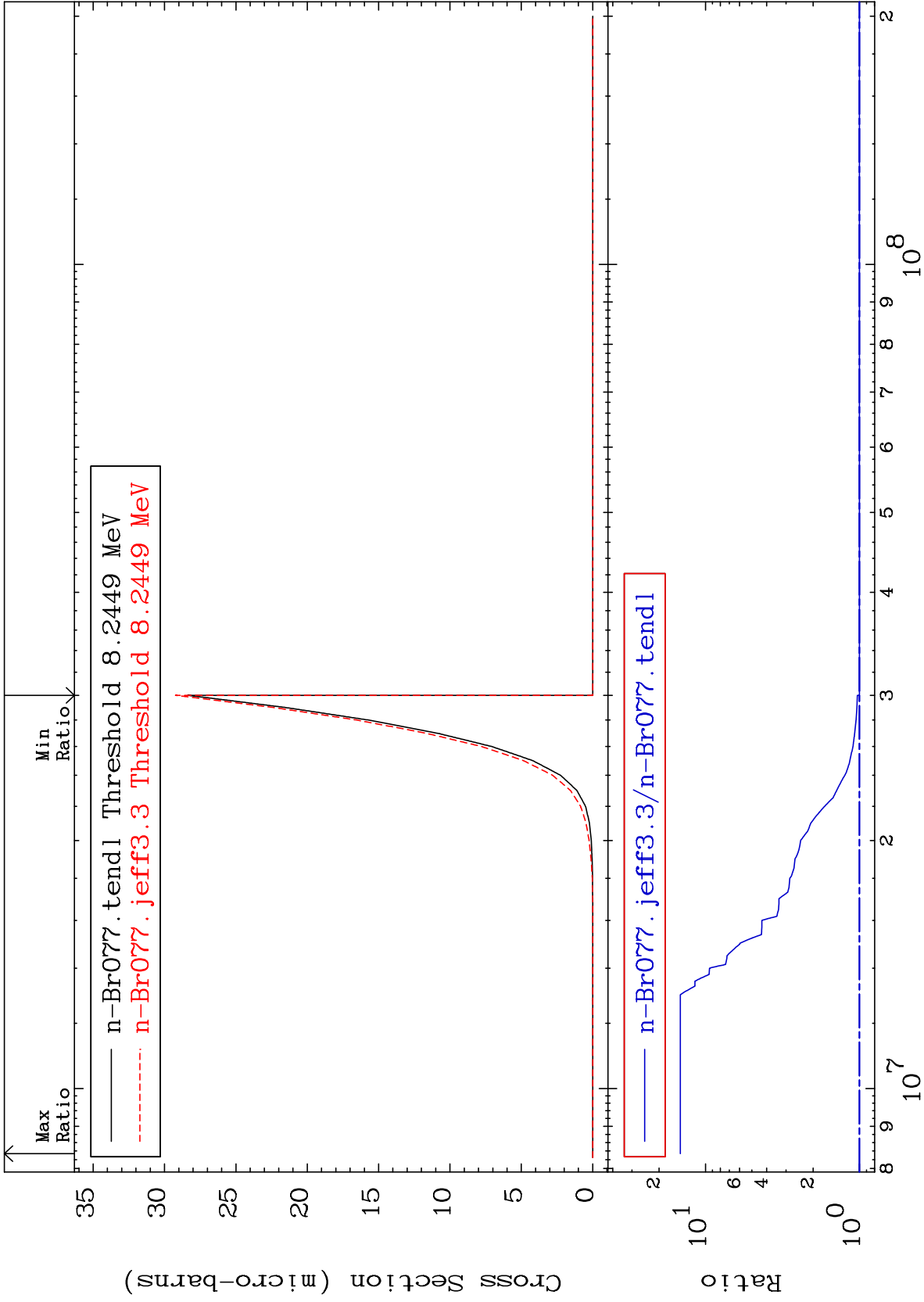
MAT 3519

<sup>35</sup>Br-77

(n, d)  $\alpha$

Cross Section

0.000 To 1355. %



61

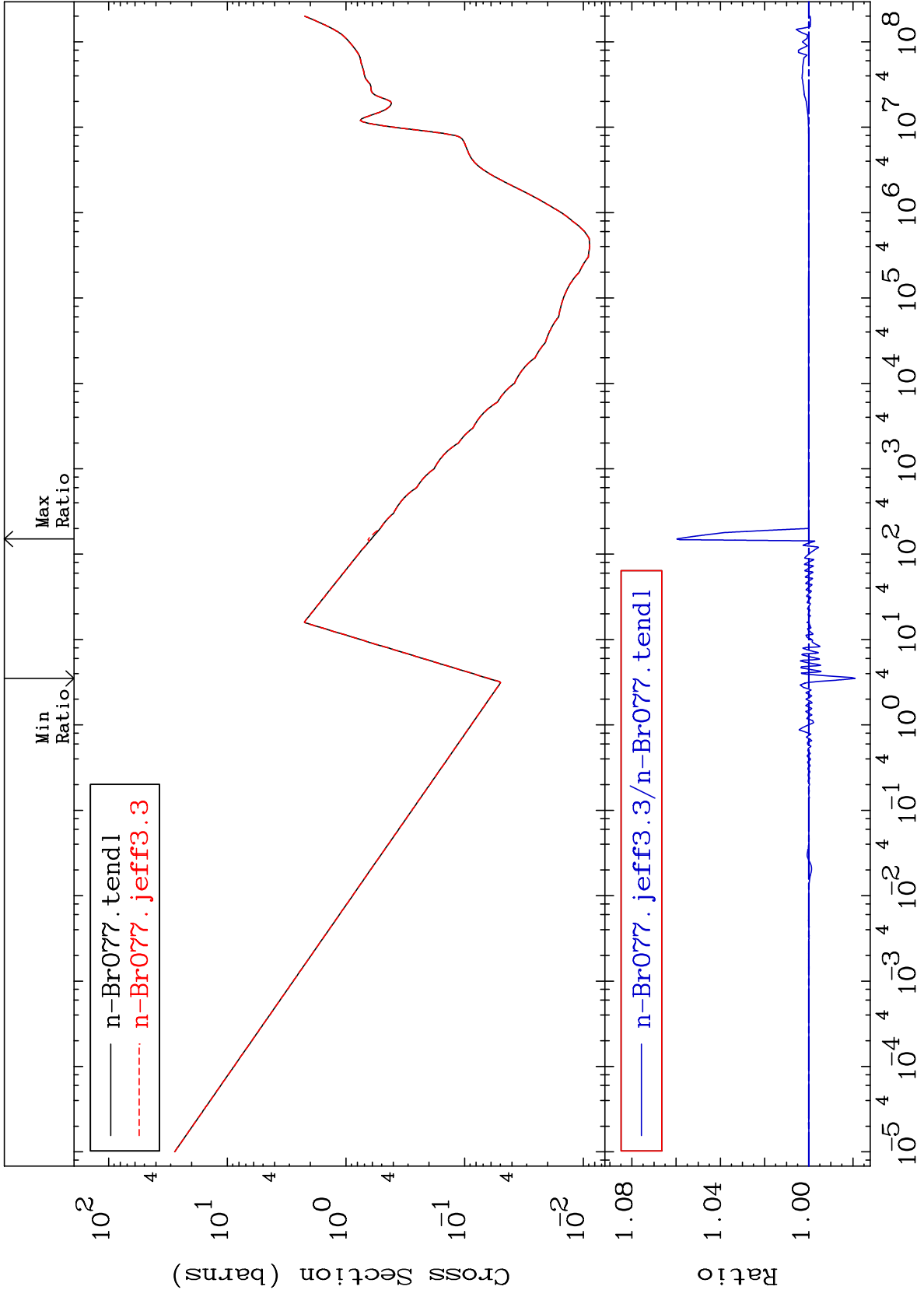
Incident Energy (eV)

<sup>35</sup>Br-77

MAT 3519

Hydrogen Production  
Cross Section

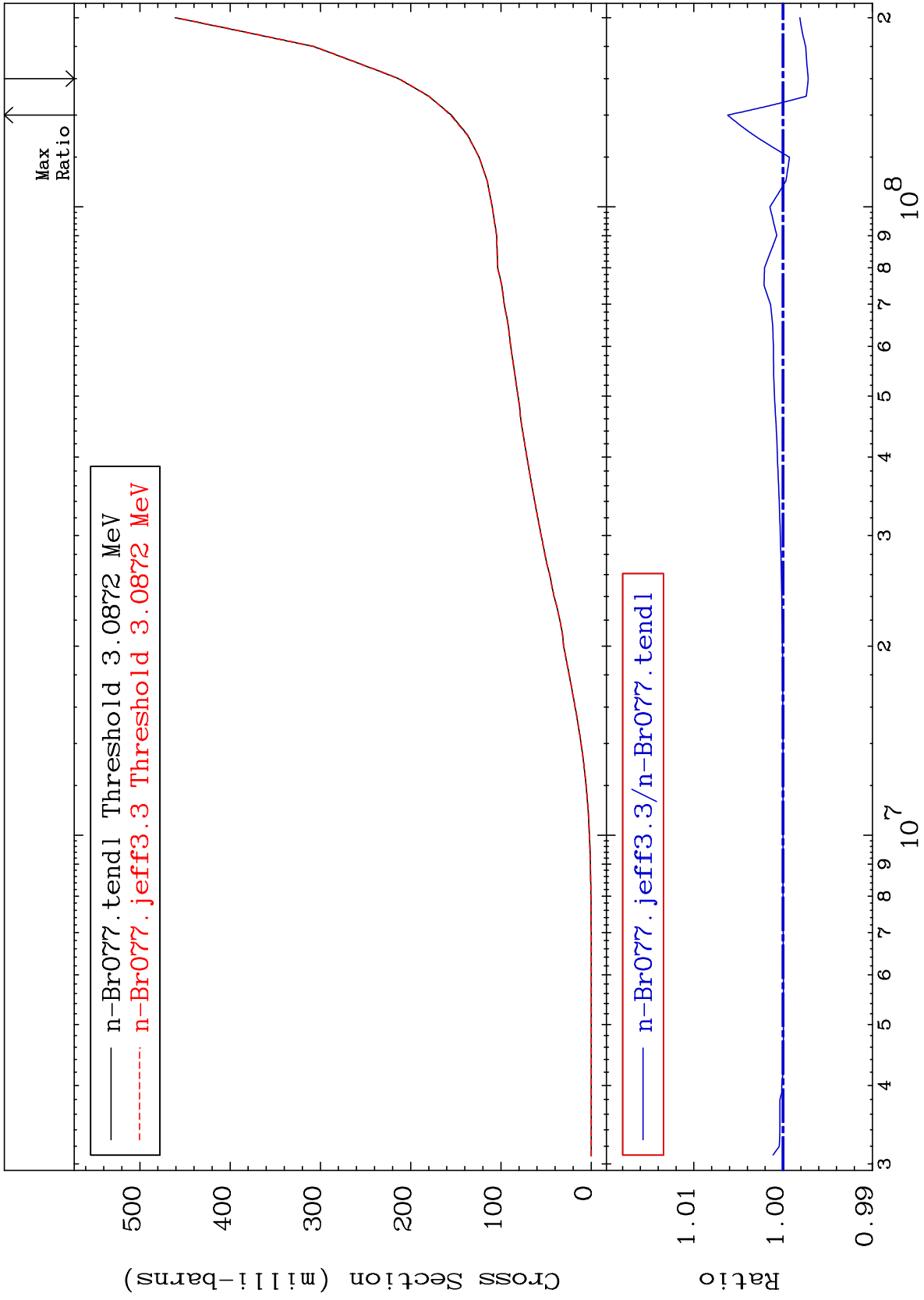
35-Br-77  
-2.097 To 5.965 %



MAT 3519

Deuterium Production  
Cross Section

<sup>35</sup>Br-77  
-0.283 To 0.621 %



63

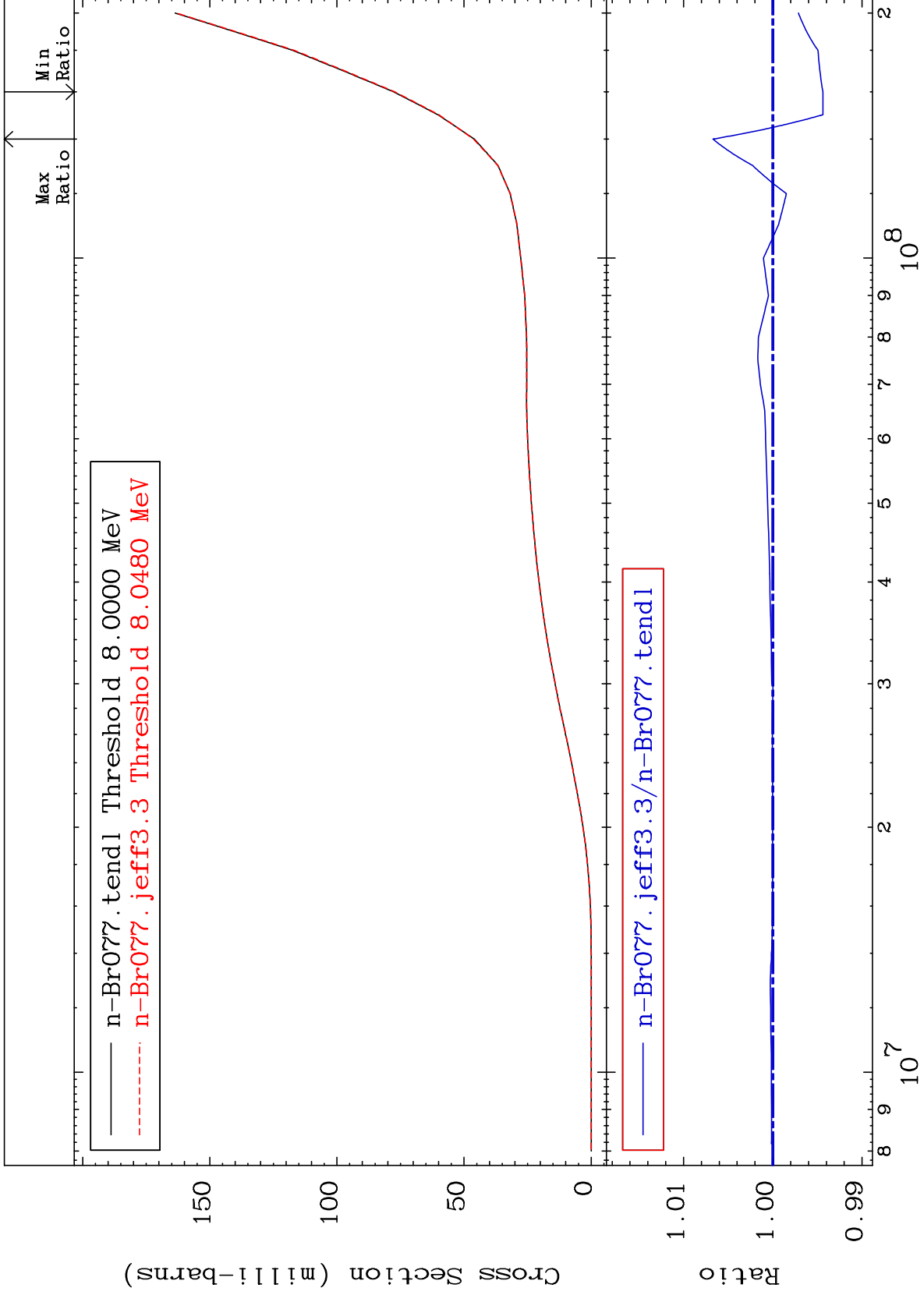
Incident Energy (eV)

<sup>35</sup>Br-77

MAT 3519

Tritium Production  
Cross Section

35-Br-77  
-0.561 To 0.670 %



64

Incident Energy (eV)

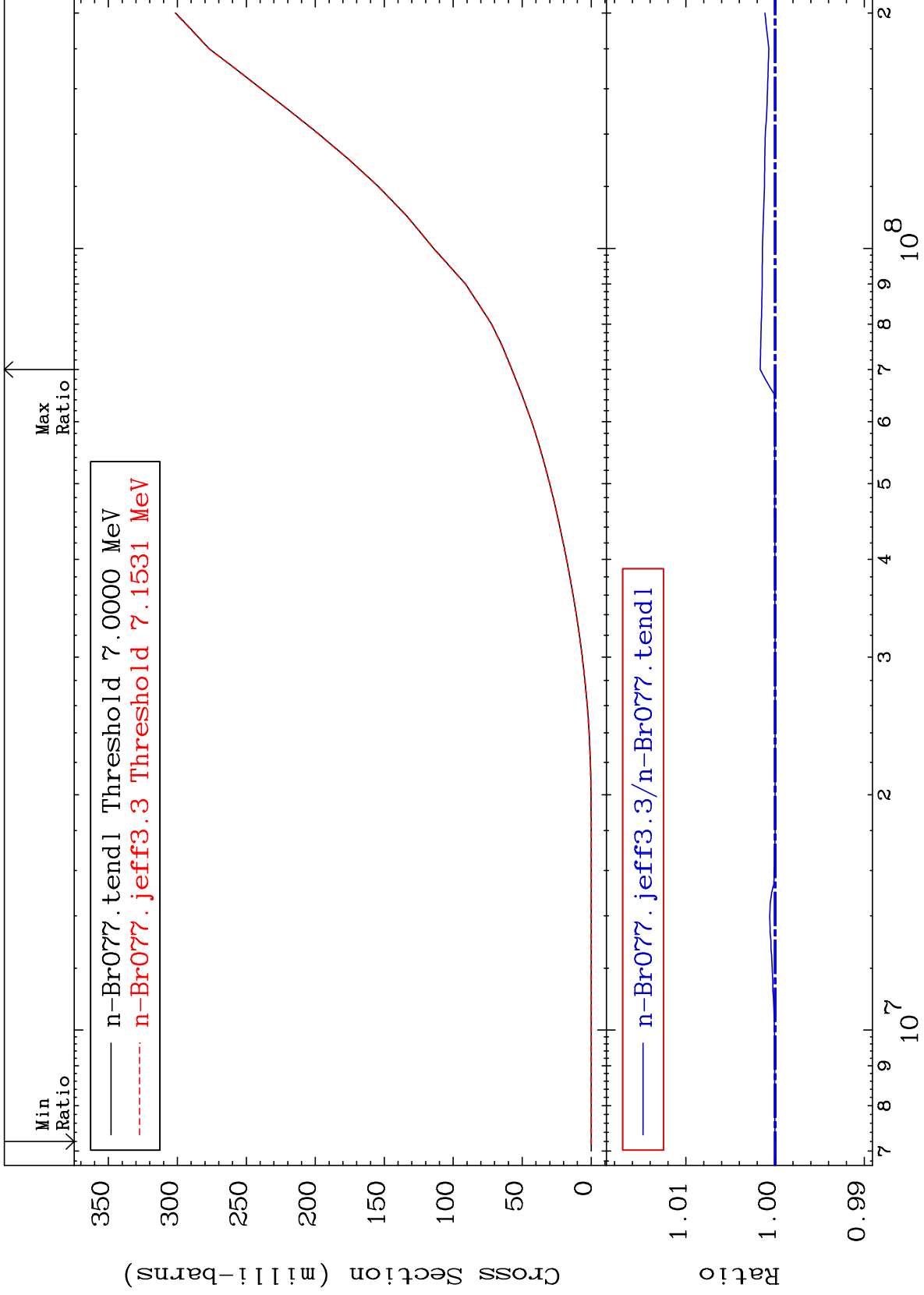
35-Br-77

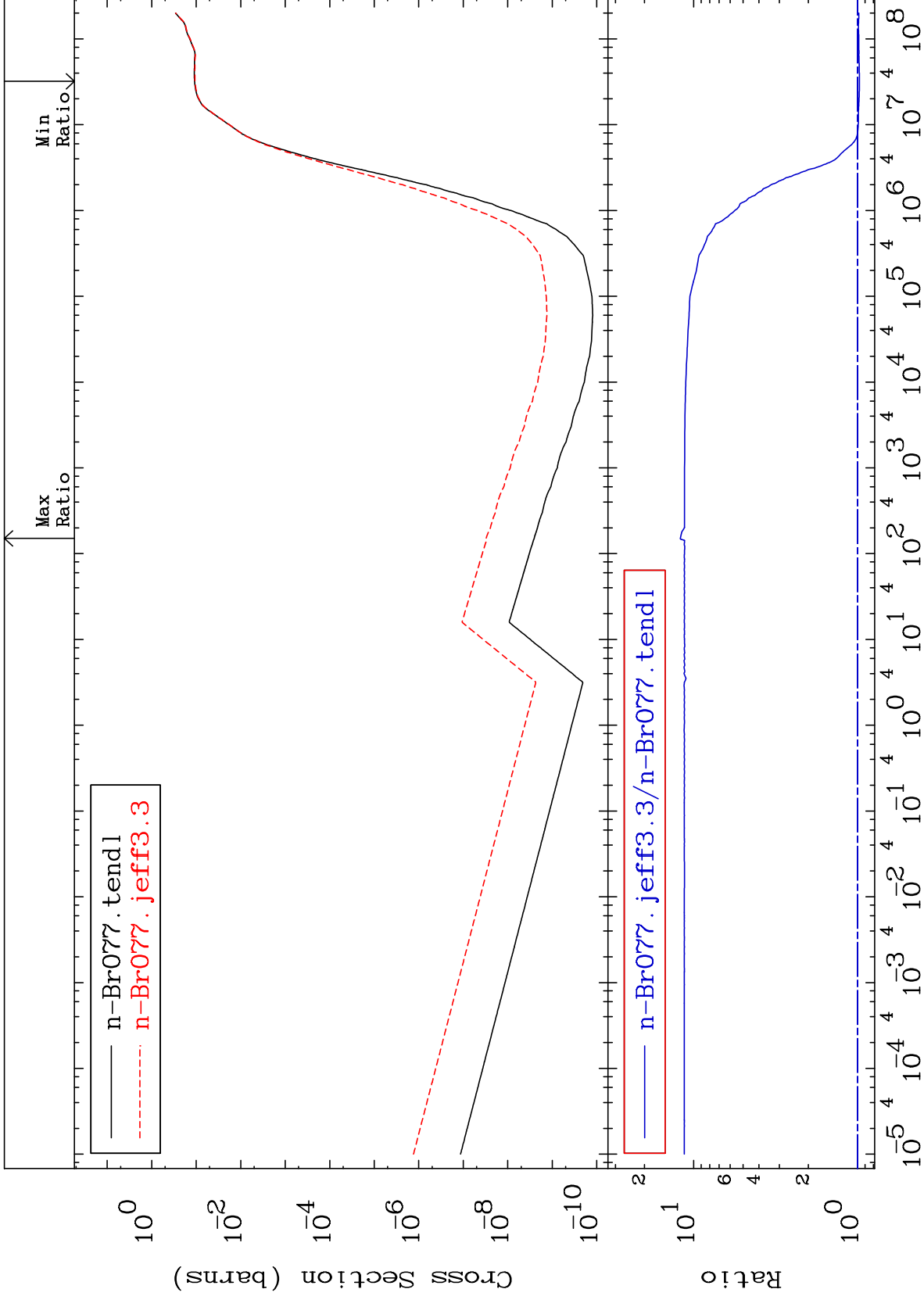


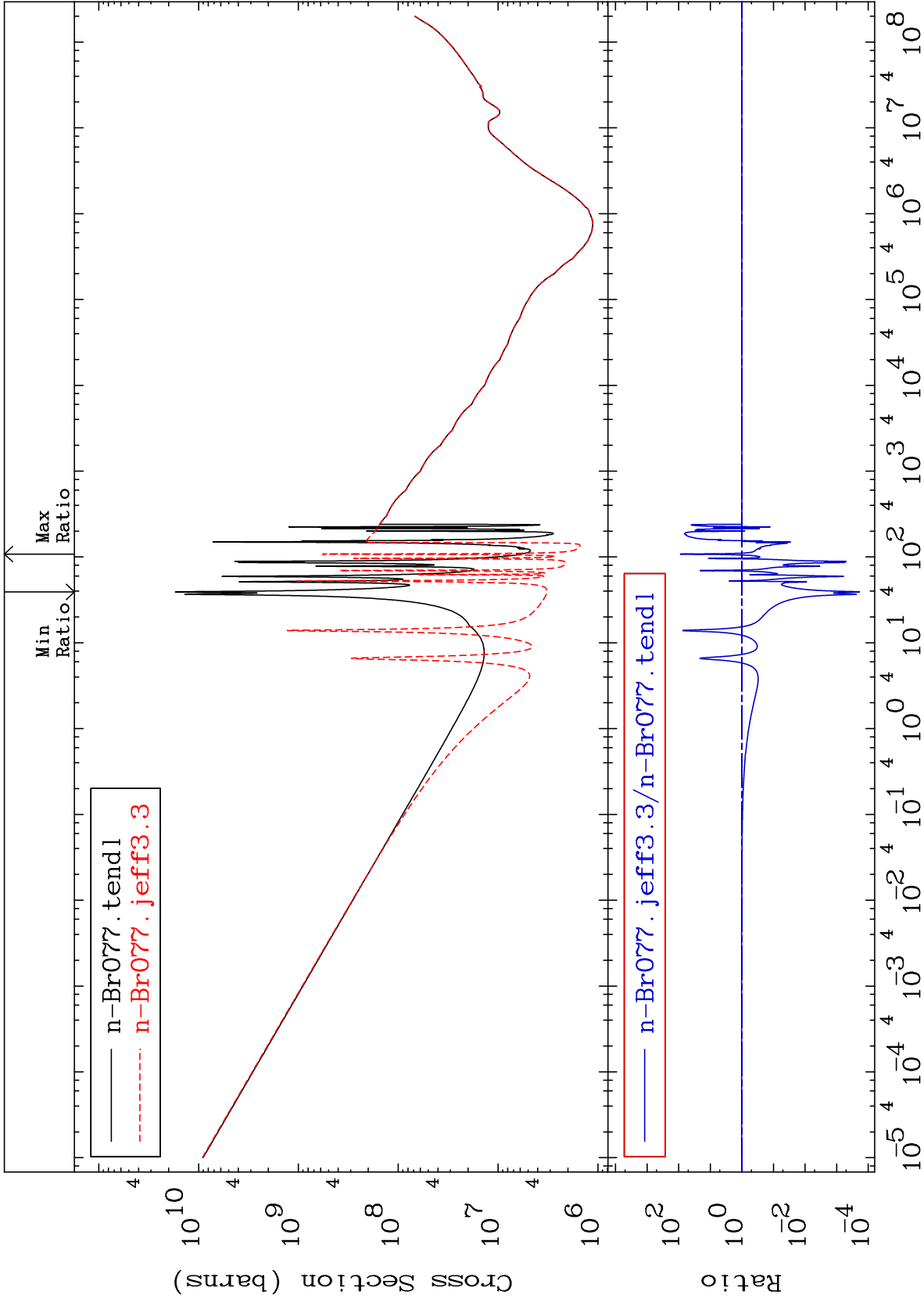
MAT 3519

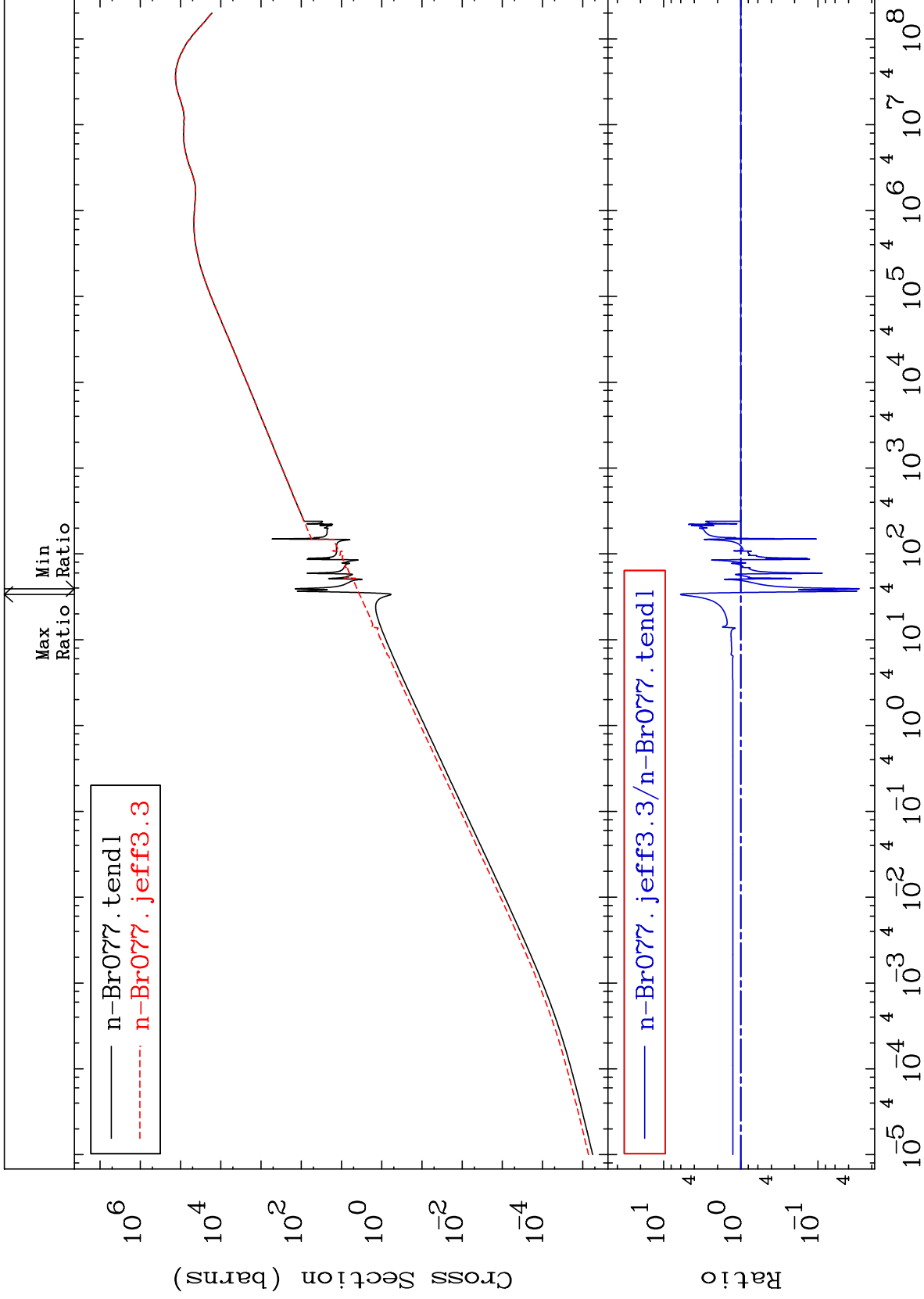
He-3 Production  
Cross Section

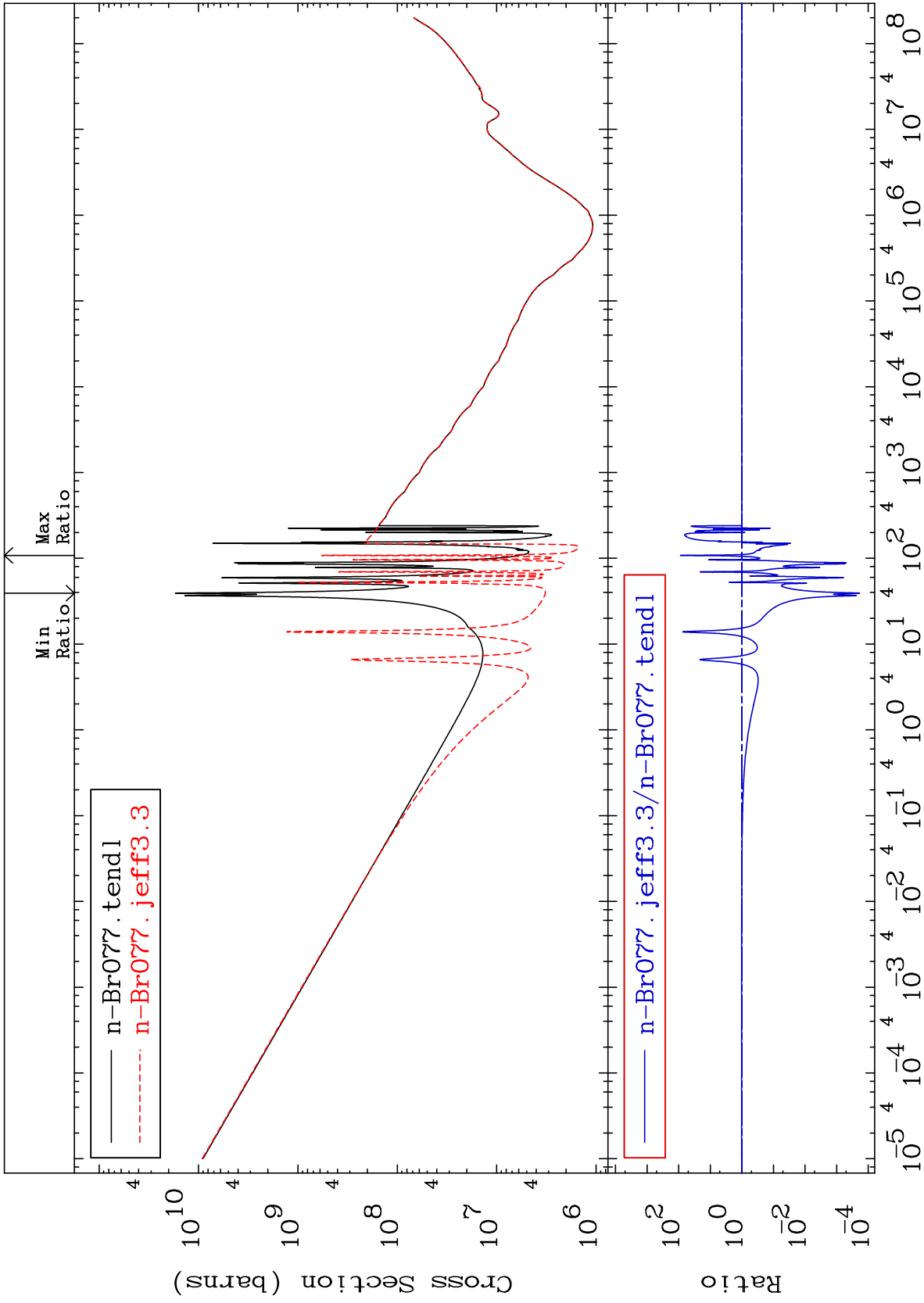
<sup>35</sup>Br-77  
-0.007 To 0.167 %







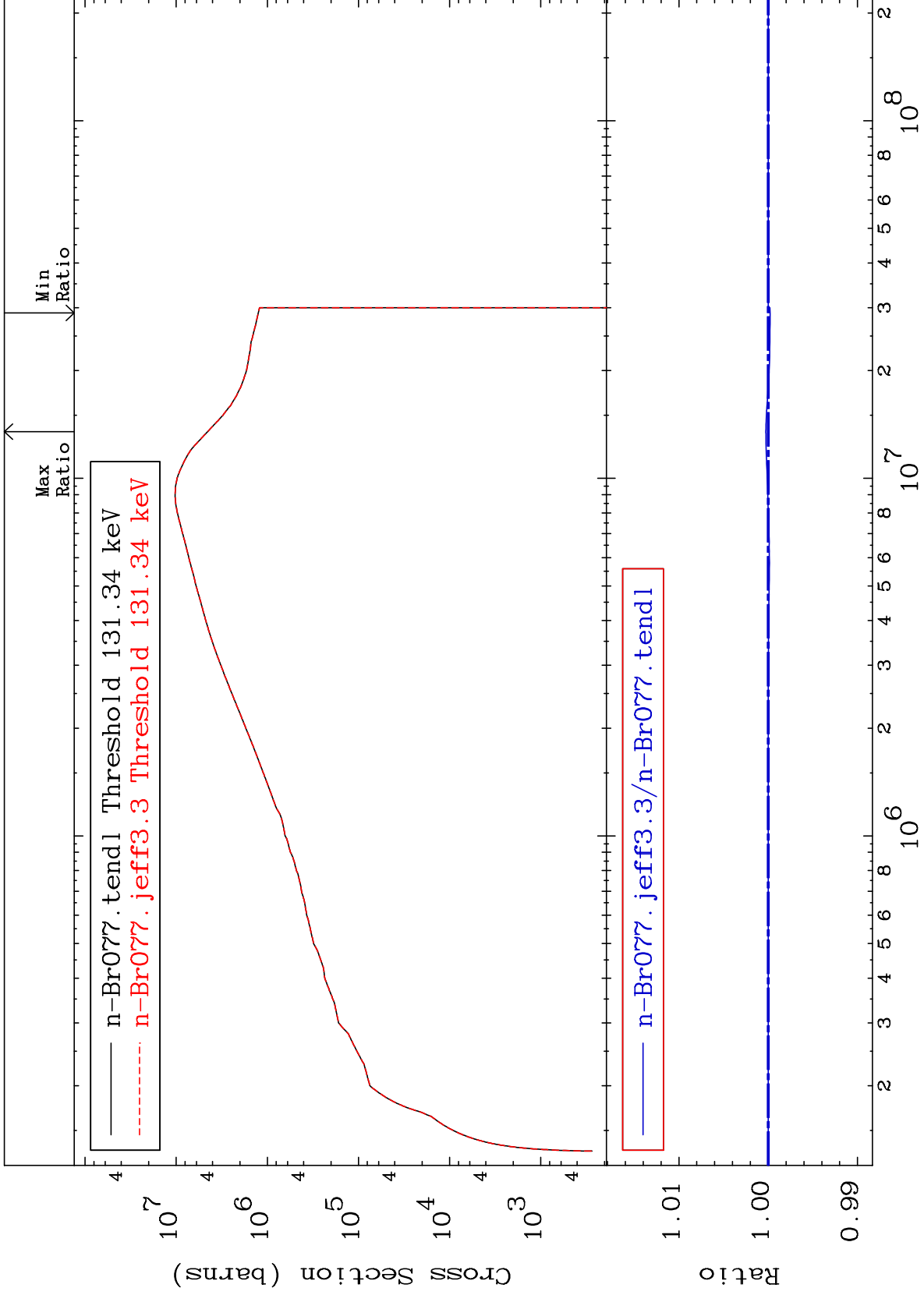




MAT 3519

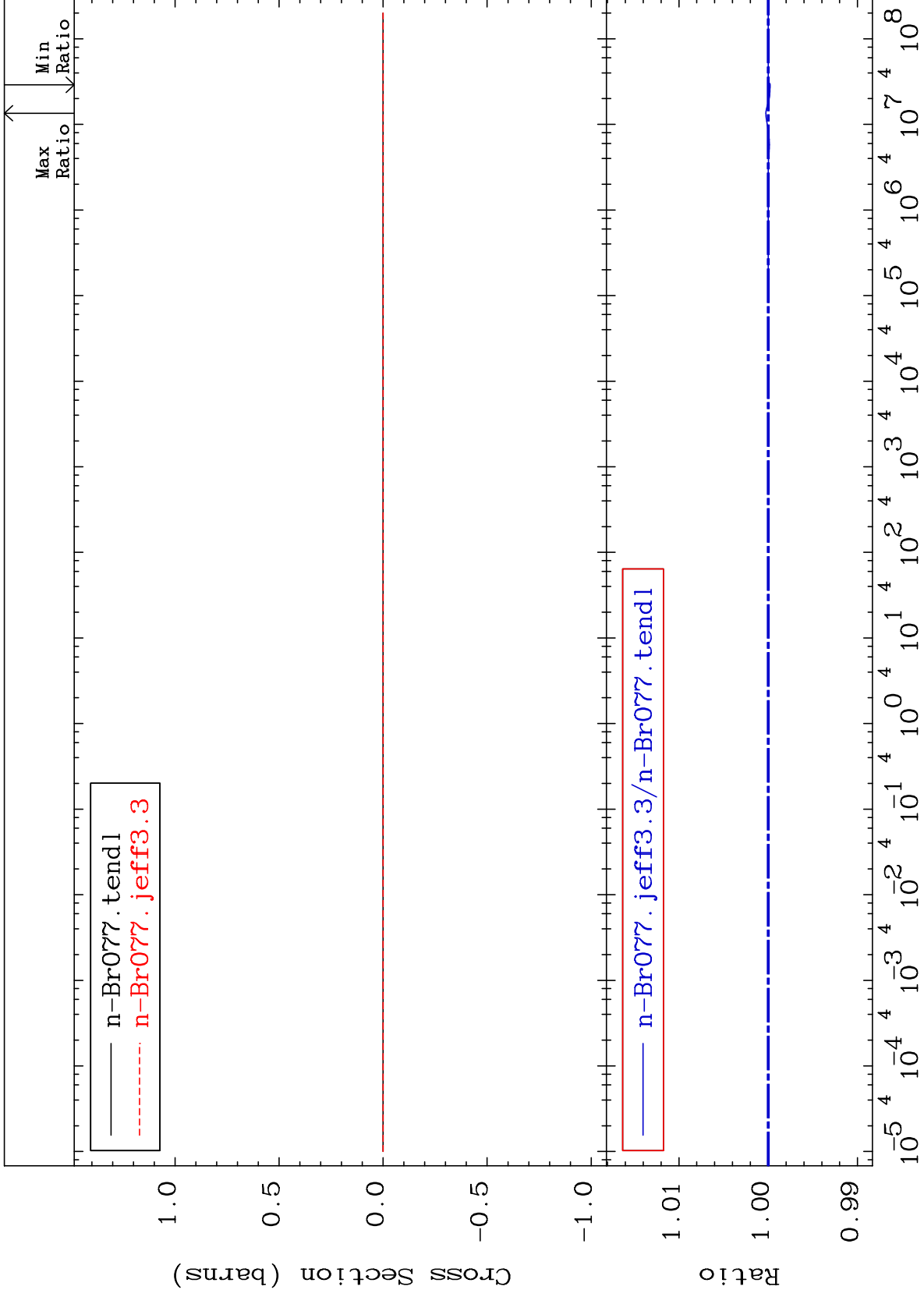
Kerma inelastic (mt51-91)  
Cross Section

35-Br-77  
-0.021 To 0.027 %



— n-Br077.tendl Threshold 131.34 keV  
- - - n-Br077.jeff3.3 Threshold 131.34 keV

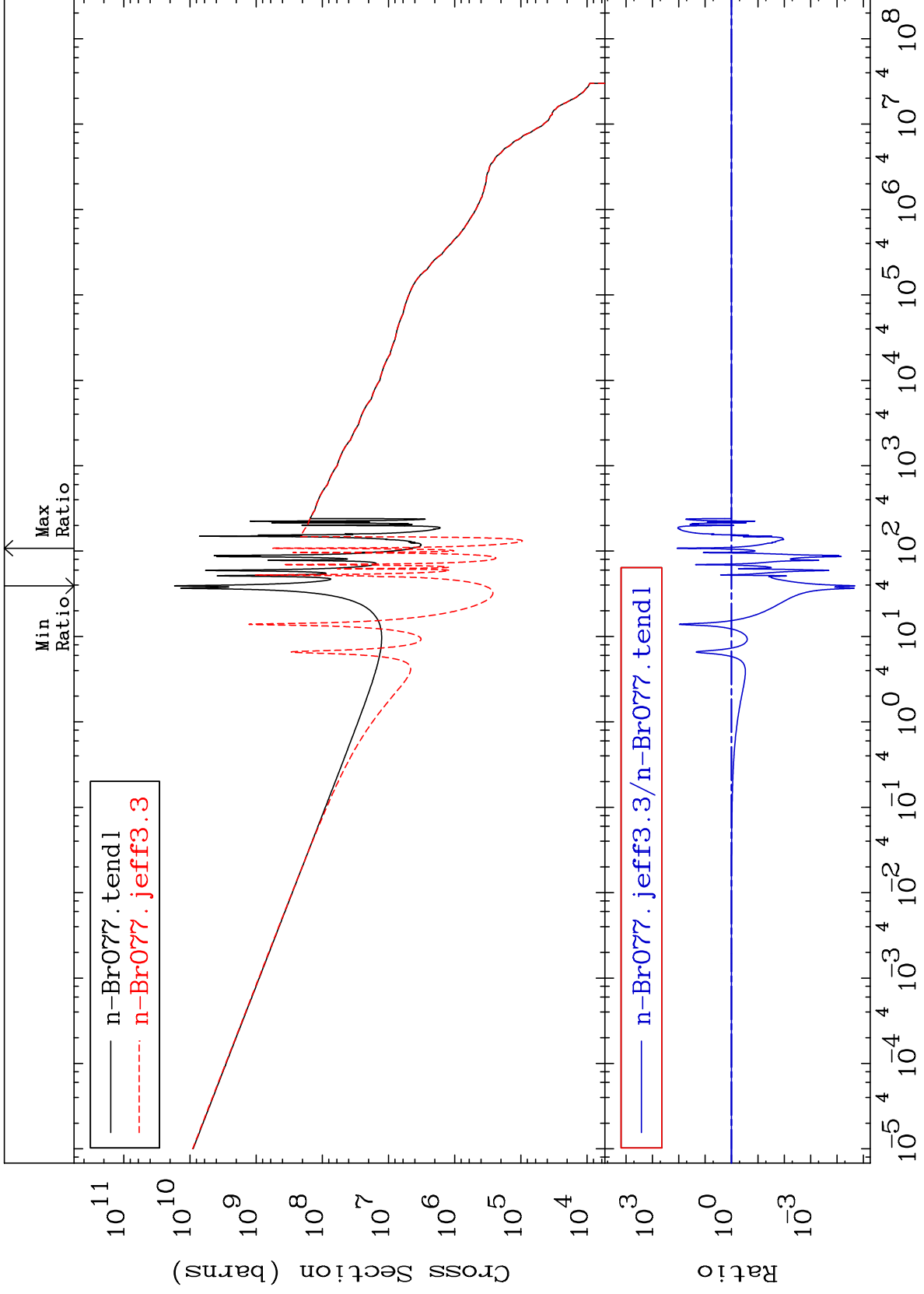
— n-Br077.jeff3.3/n-Br077.tendl



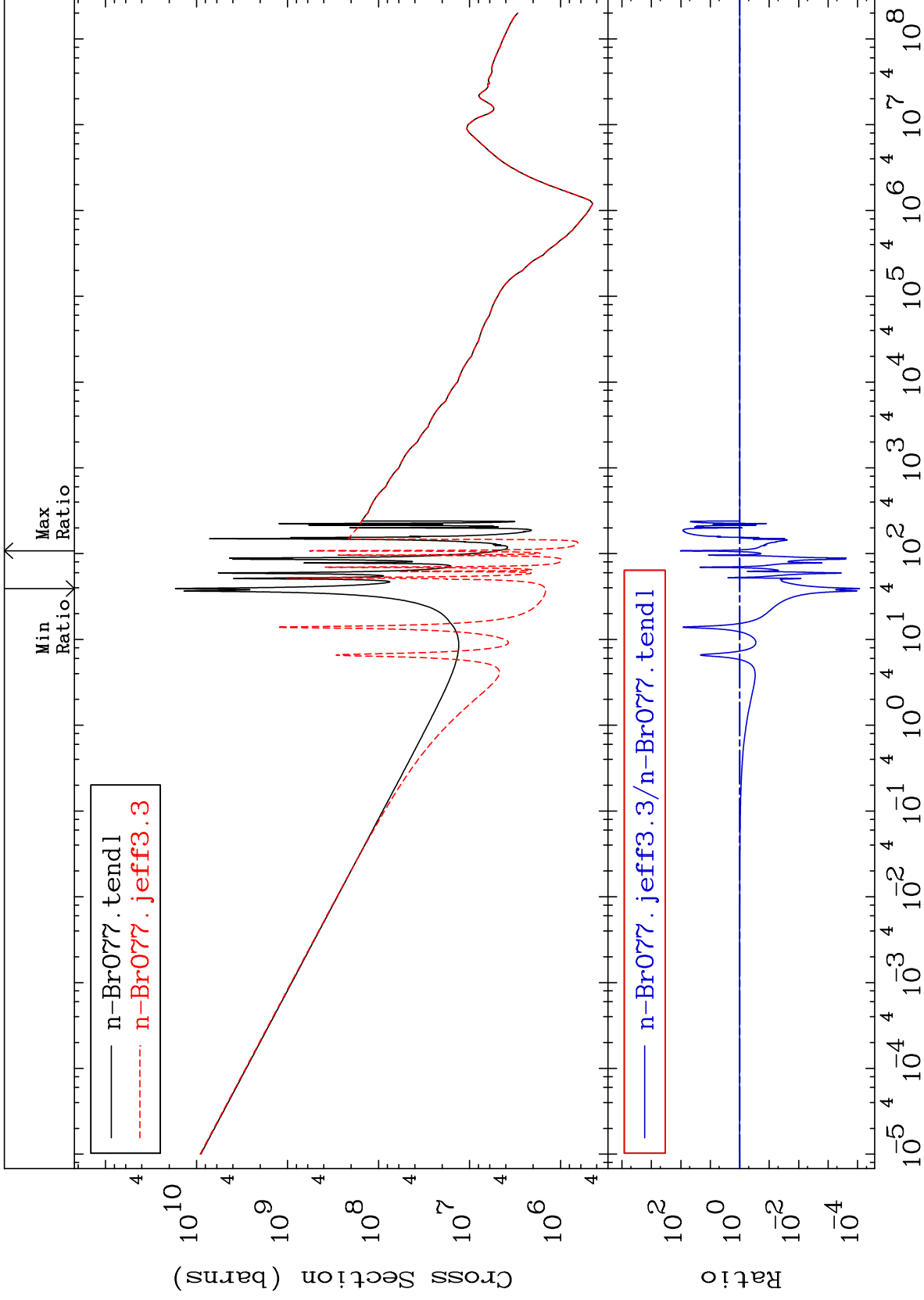
MAT 3519

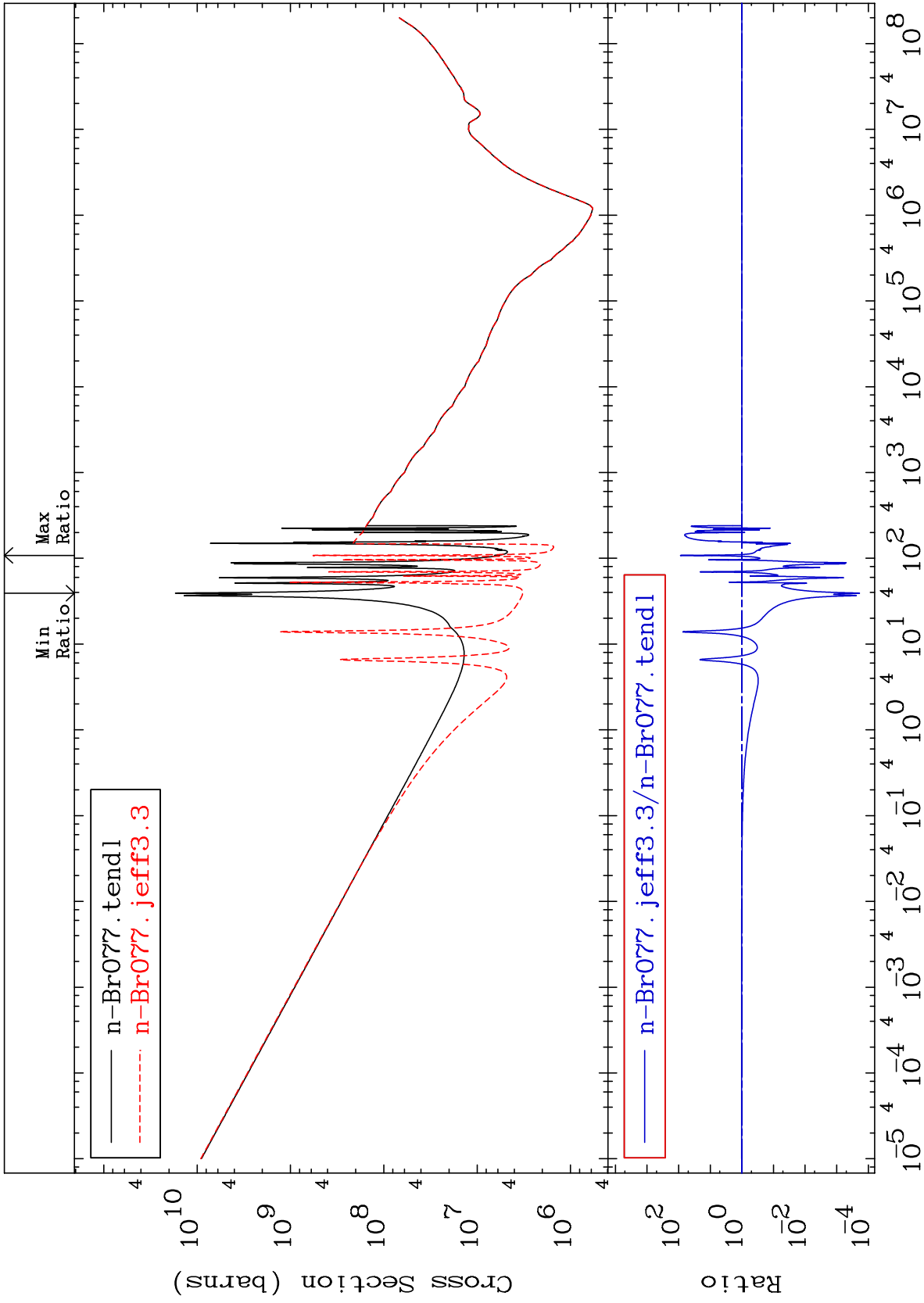
Kerma capture (mt102)  
Cross Section

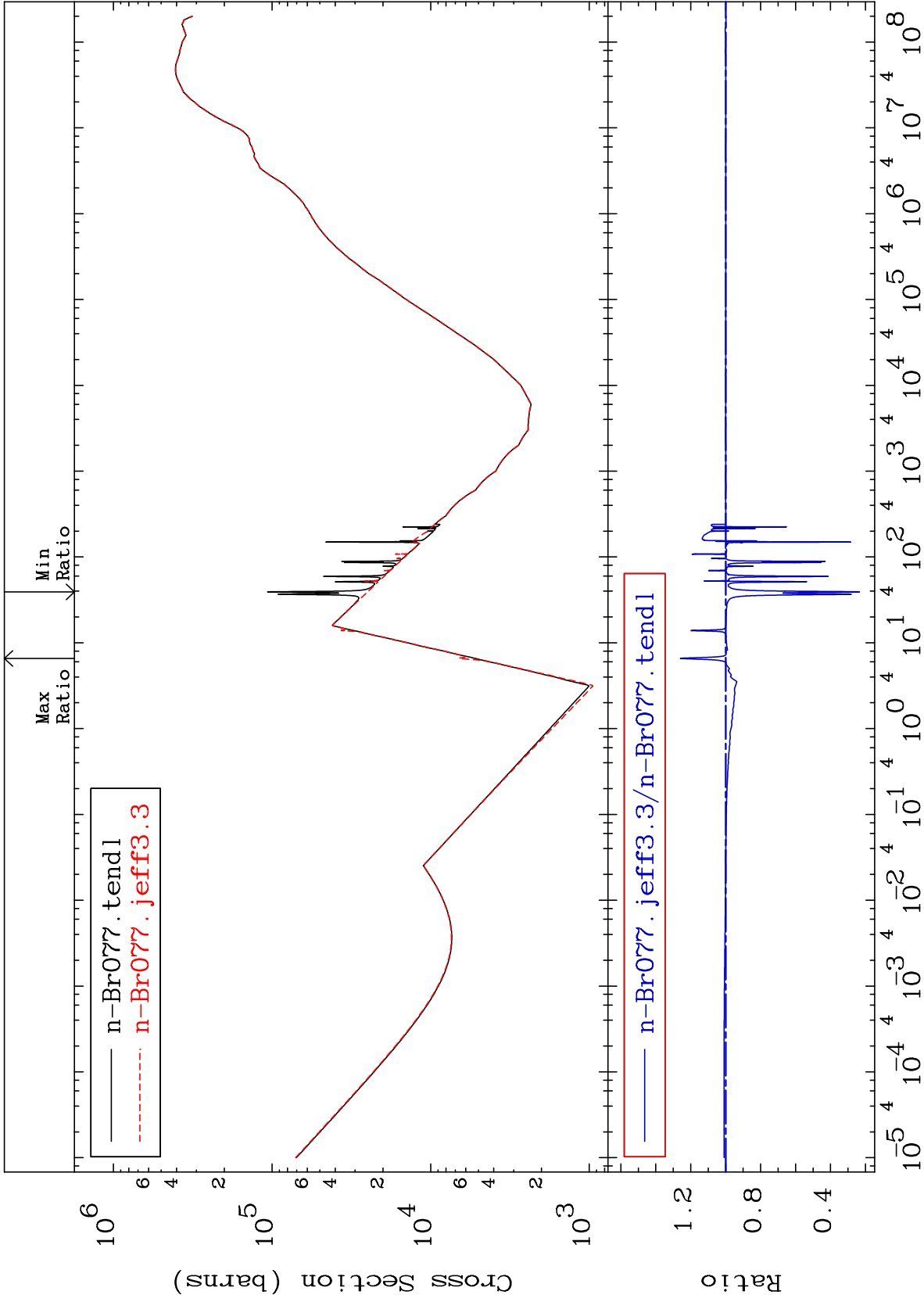
35-Br-77  
-100.0 To 9999. %

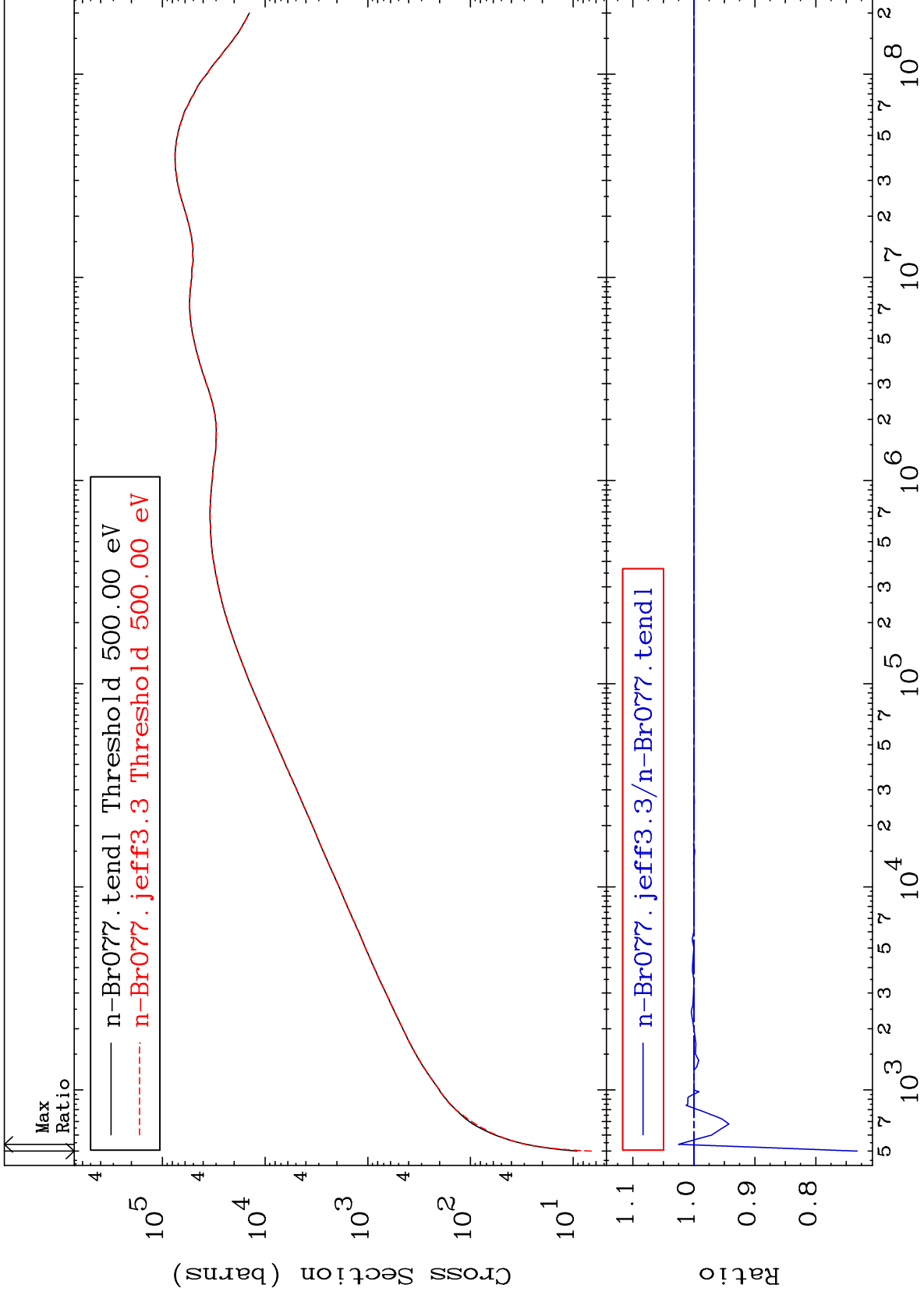








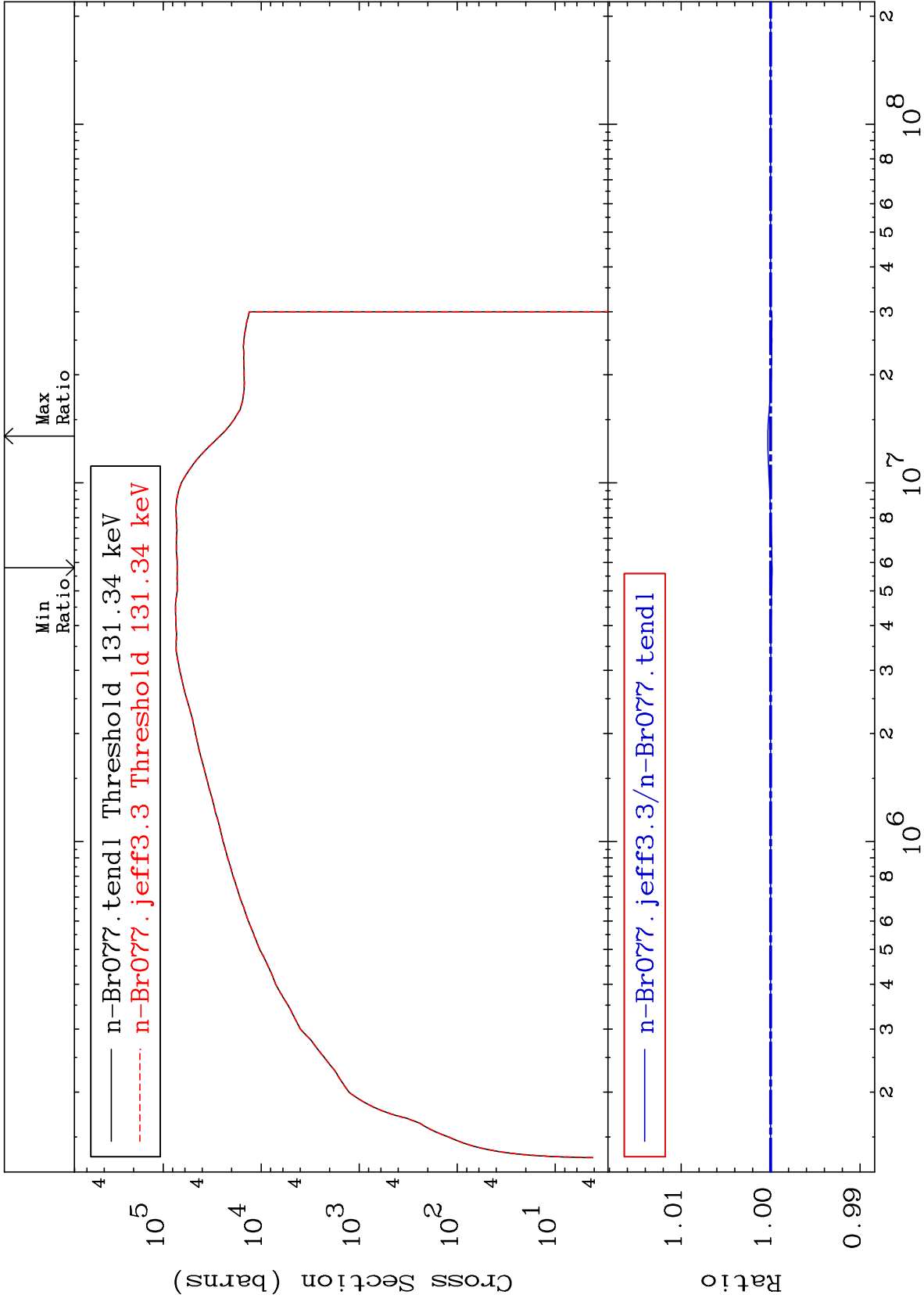




MAT 3519

Dpa inelastic (mt51-91)  
Cross Section

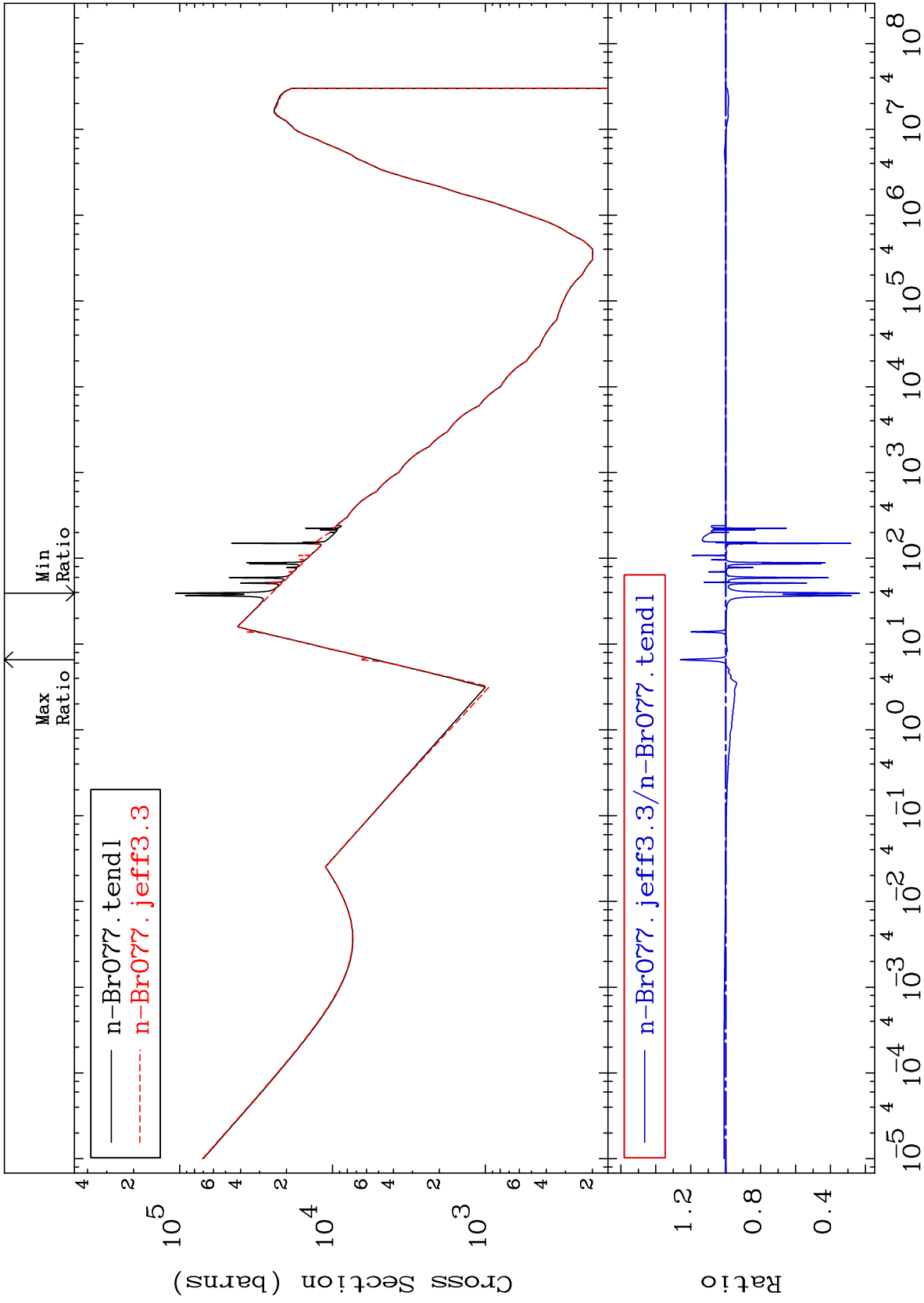
35-Br-77  
-0.015 To 0.032 %



77

Incident Energy (eV)

35-Br-77

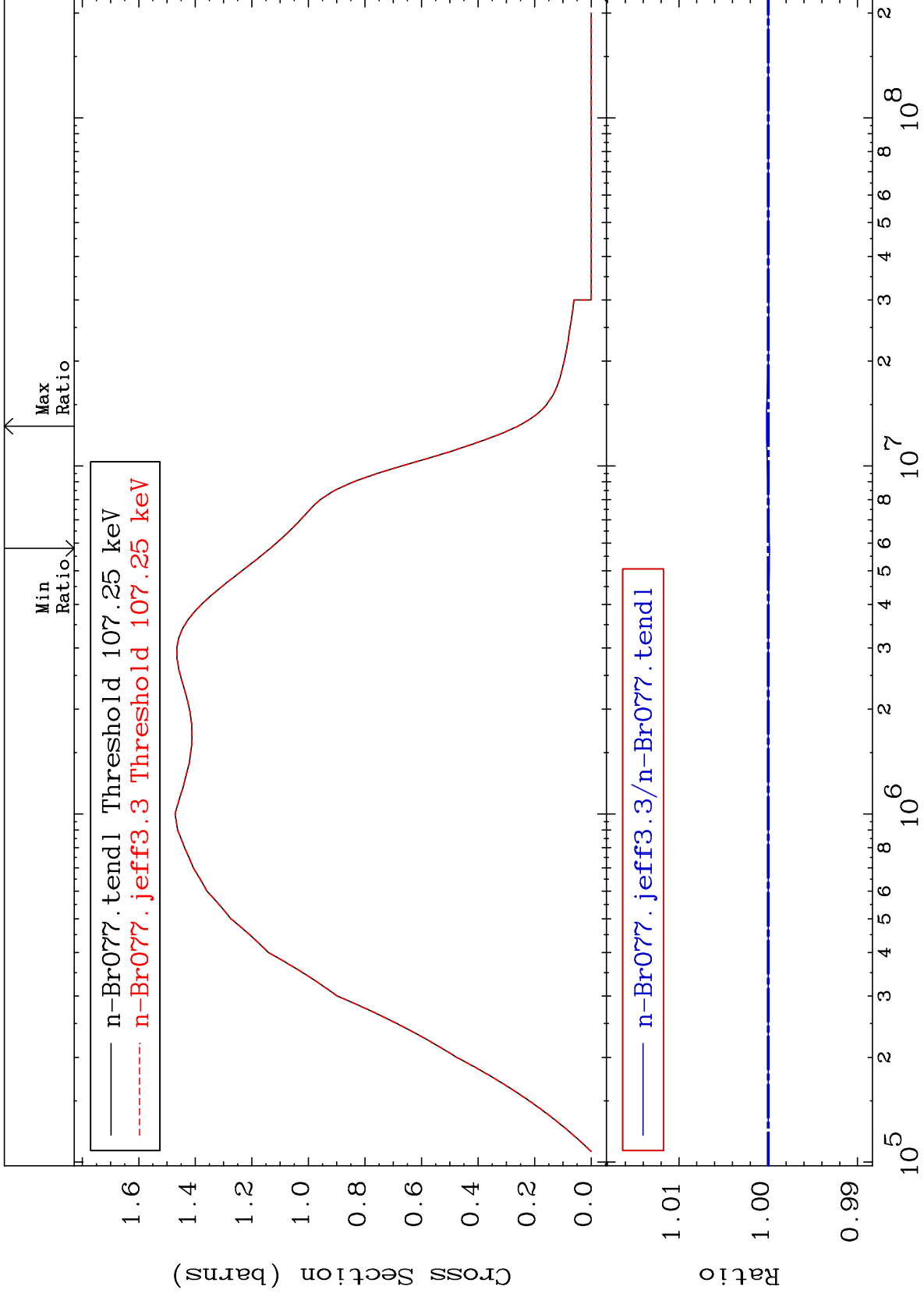


MAT 3519

35-Br-77

Inelastic:35-Br-77g

Radionuclide Production Cross Section -0.013 To 0.020 %



79

Incident Energy (eV)

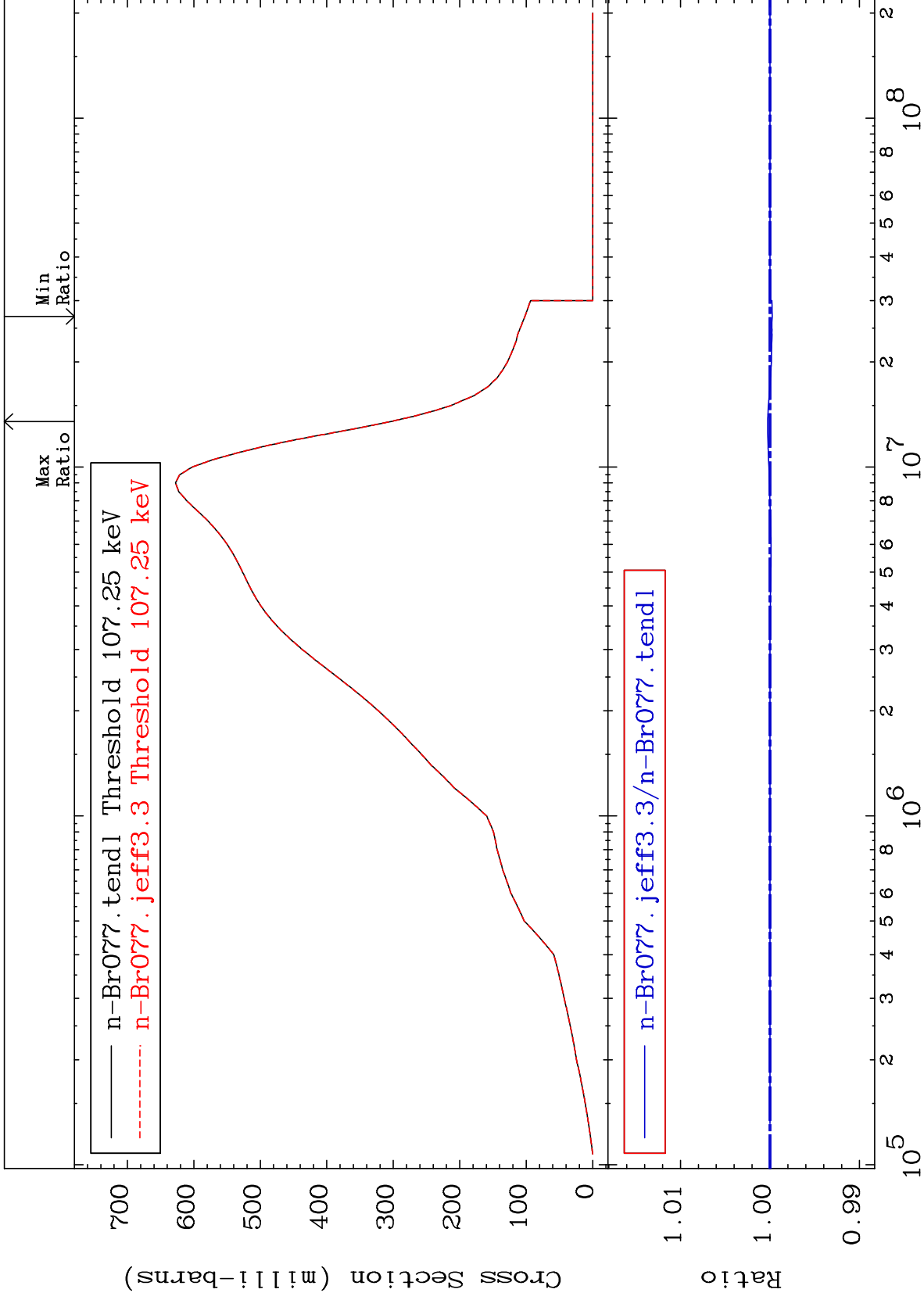
35-Br-77

MAT 3519

Inelastic: 35-Br-77m1

35-Br-77

Radionuclide Production Cross Section -0.025 To 0.026 %

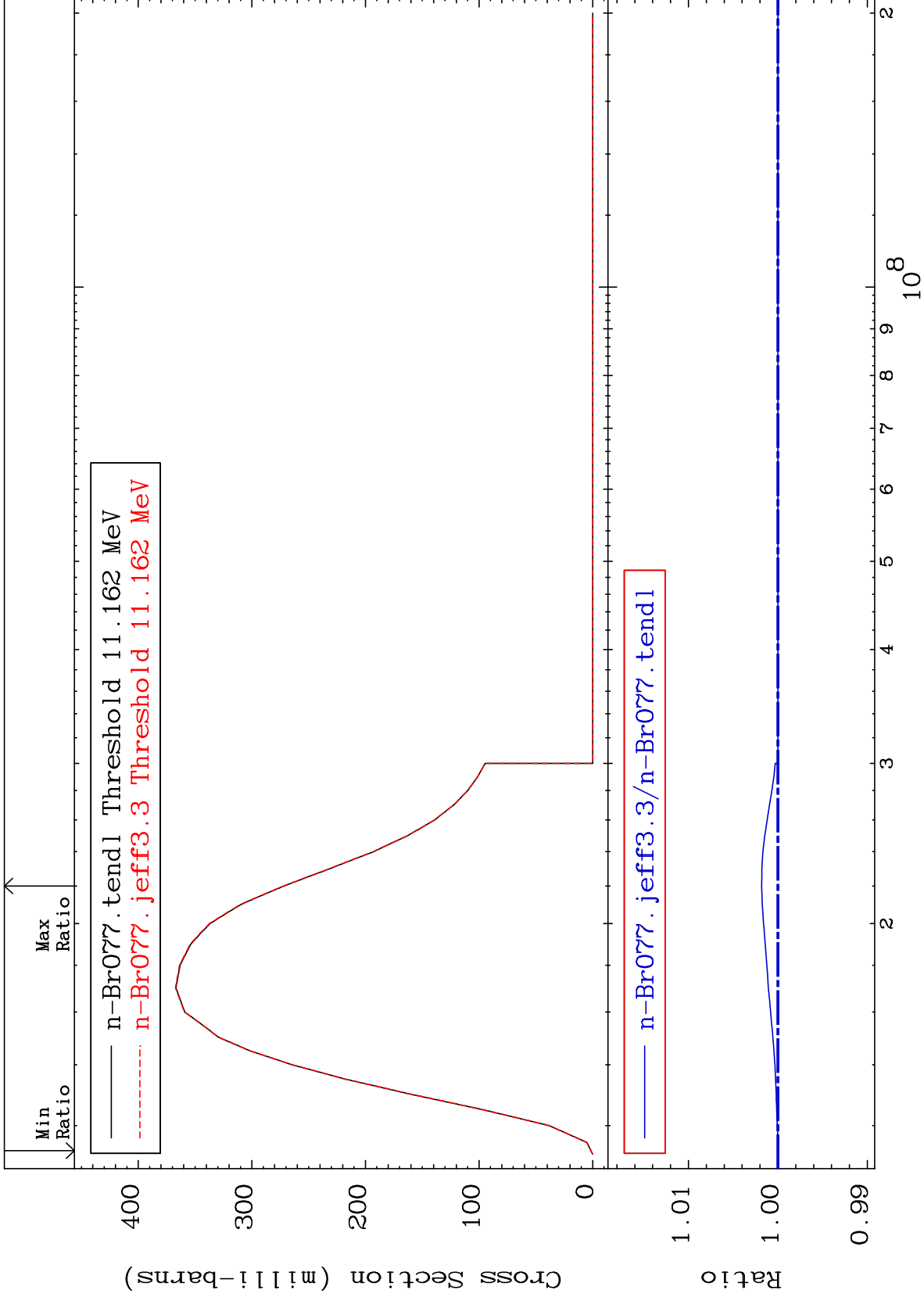


35-Br-77

80



Radionuclide Production Cross Section -0.002 To 0.181 %

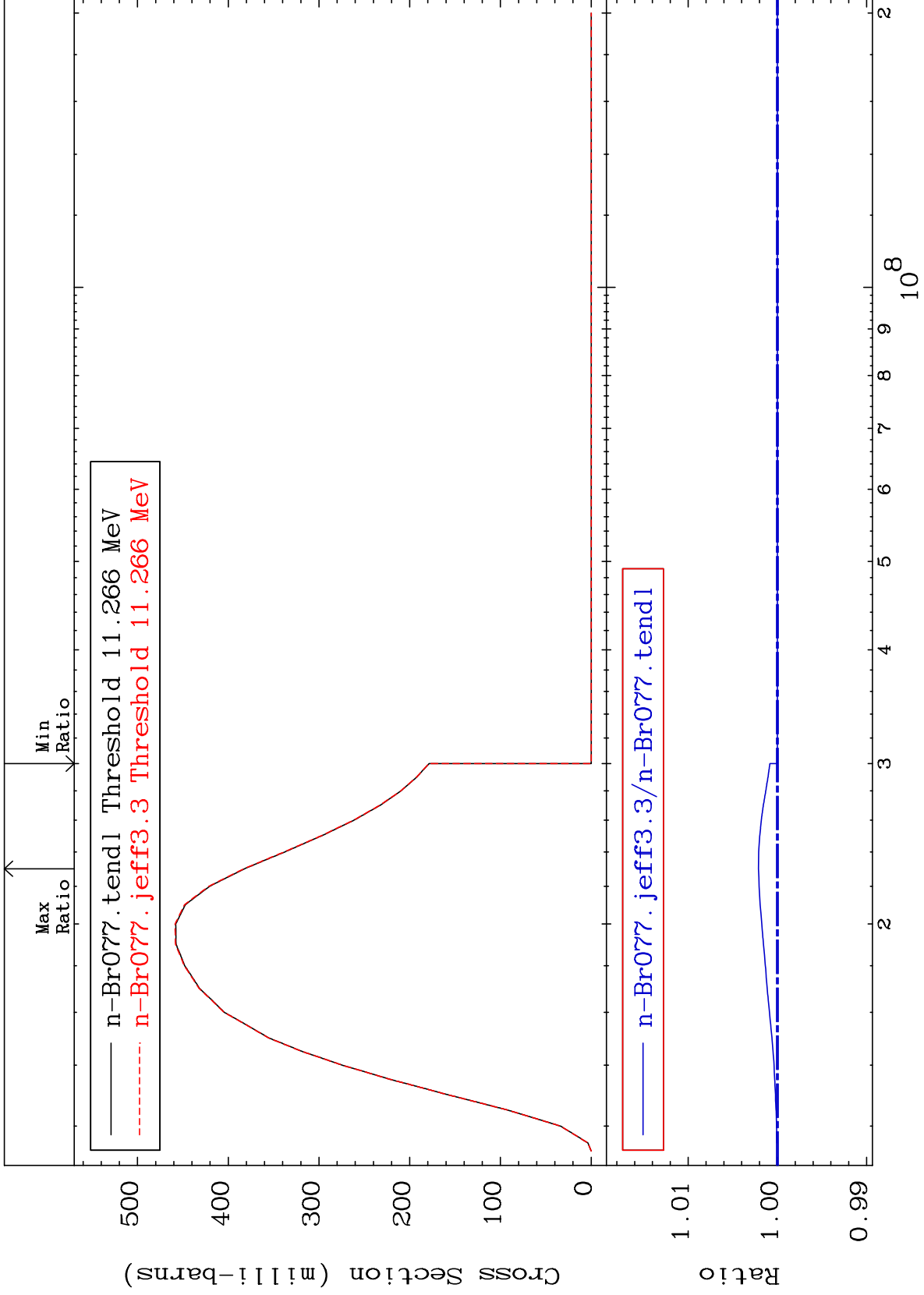


MAT 3519

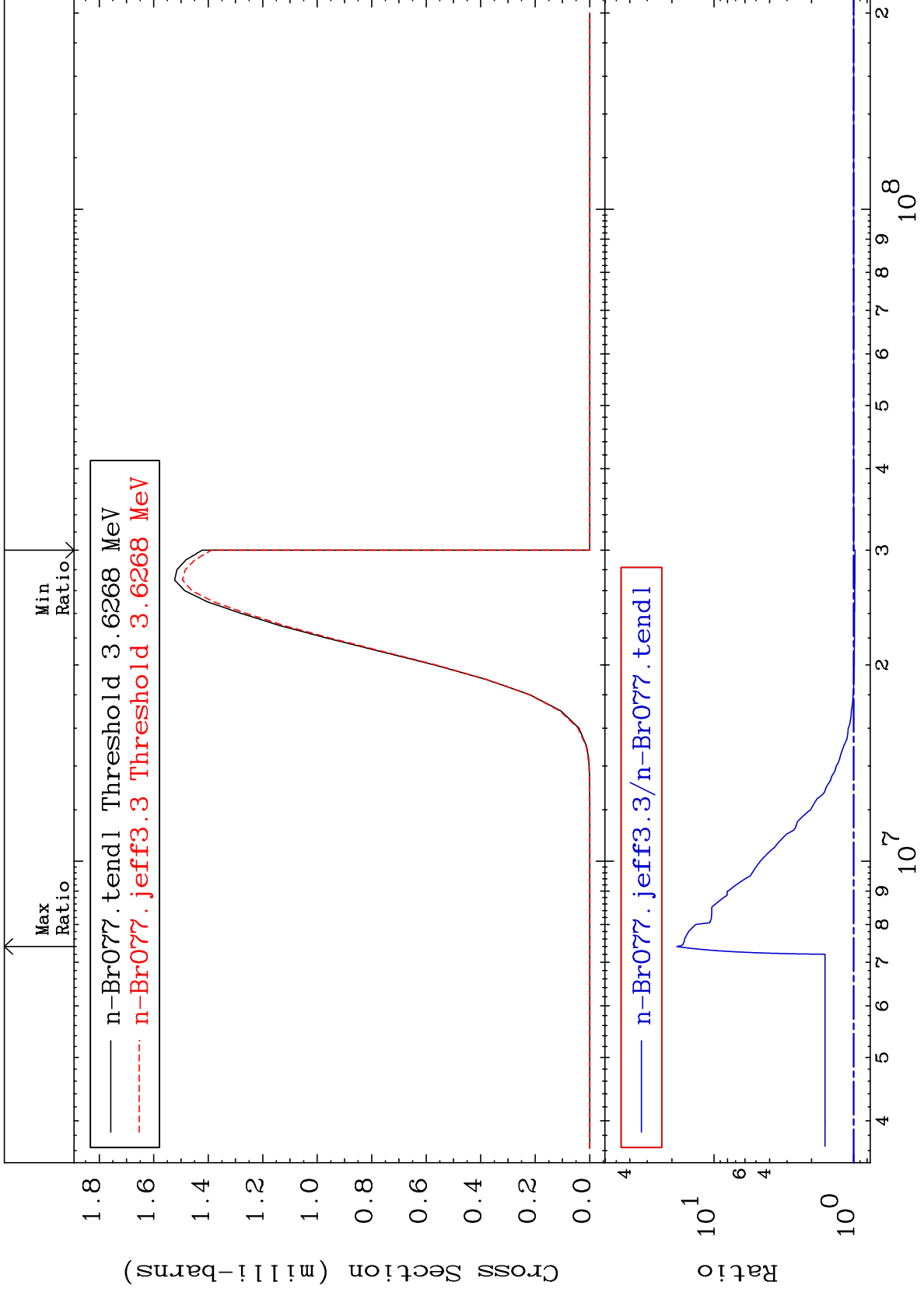
(n,2n):35-Br-76m2

35-Br-77

Radionuclide Production Cross Section 0.000 To 0.212 %



Radionuclide Production Cross Section -2.380 To 1740. %



Radionuclide Production Cross Section -2.343 To 2869. %

