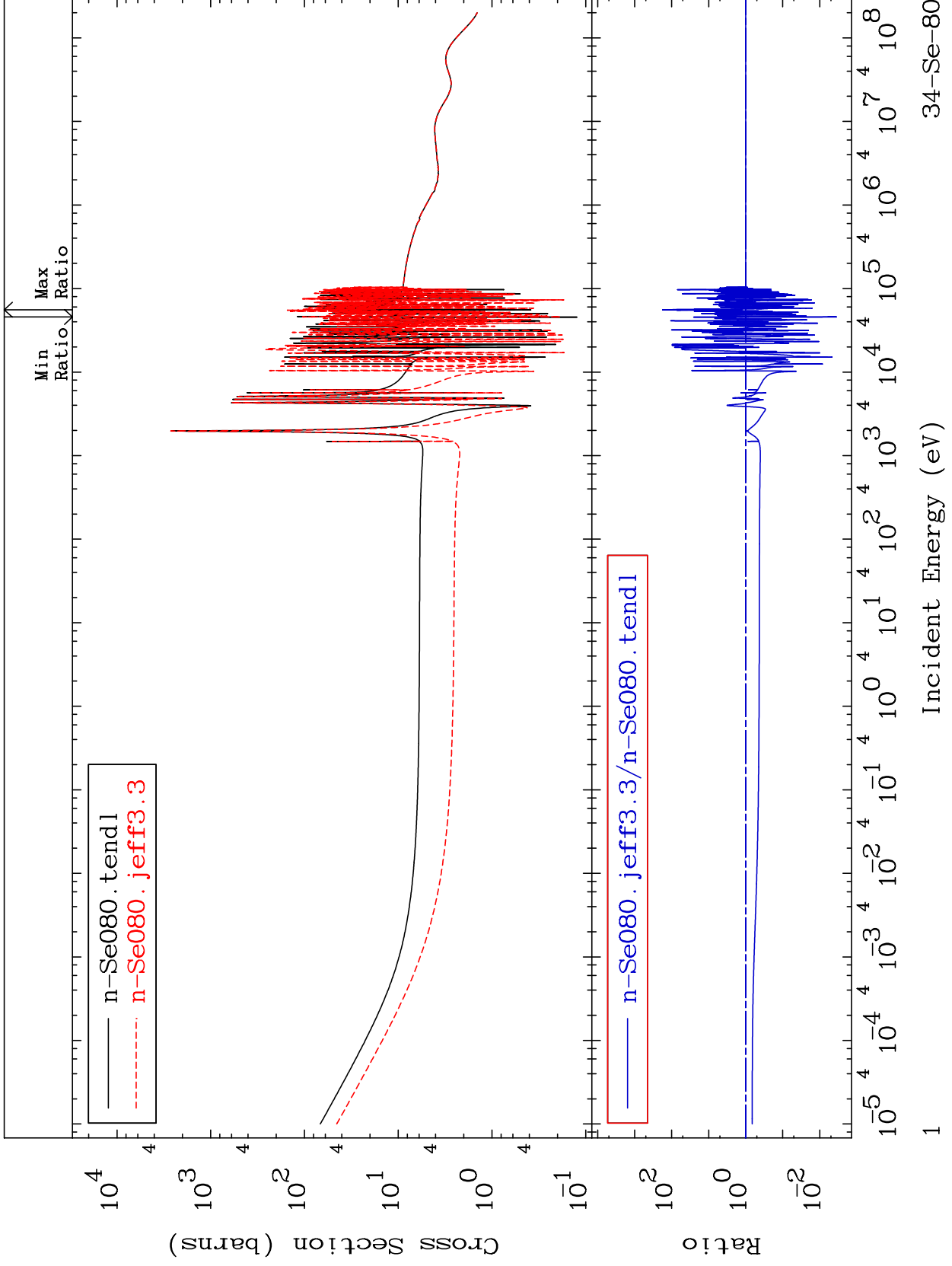


MAT 3443

Total  
Cross Section

<sup>34</sup>Se-80  
-99.65 To 9999. %



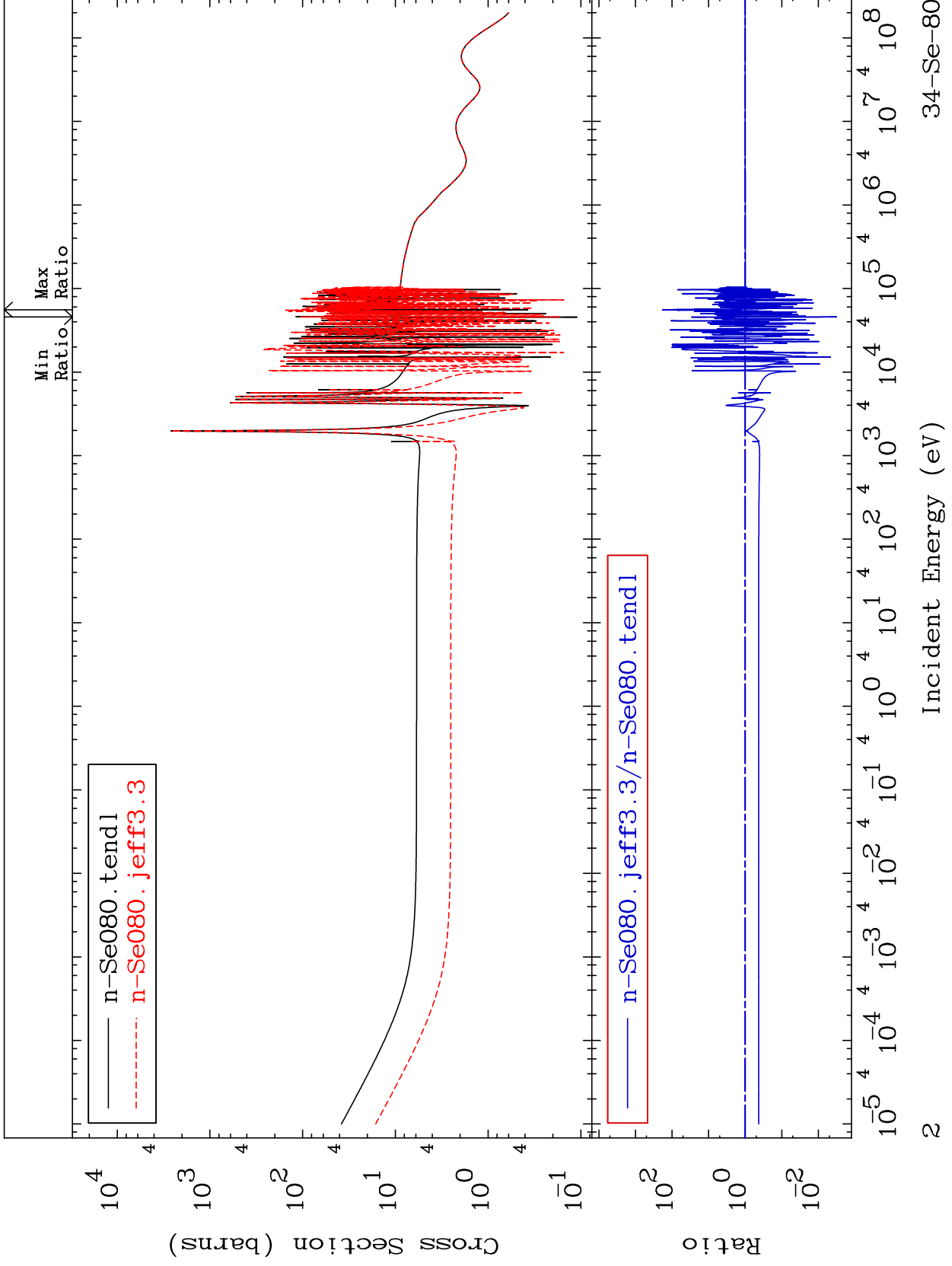
<sup>34</sup>Se-80

Incident Energy (eV)

MAT 3443

Elastic  
Cross Section

<sup>34</sup>Se-80  
-99.68 To 9999. %

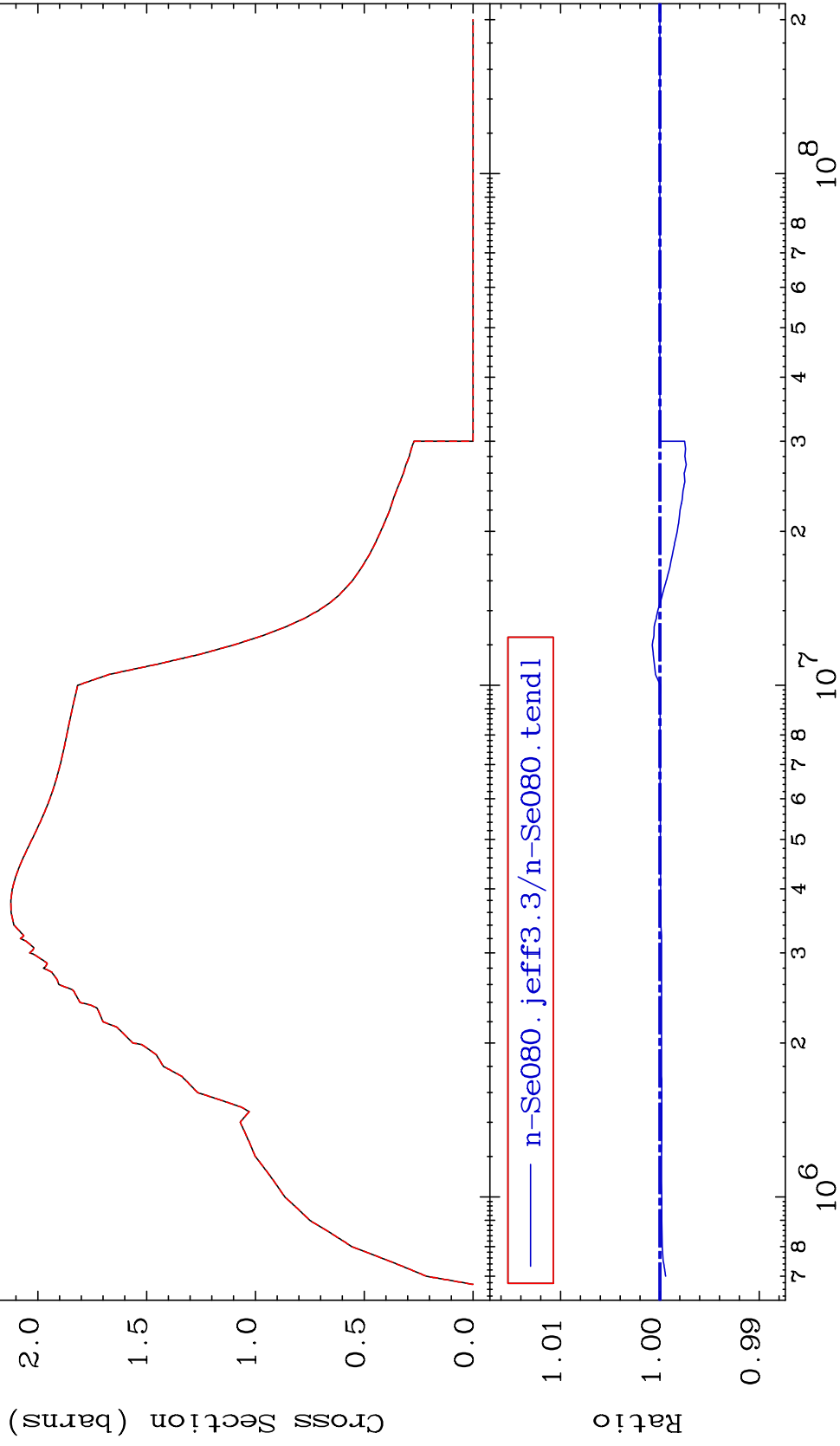


MAT 3443

Inelastic  
Cross Section

<sup>34</sup>Se-80  
-0.266 To 0.077 %

— n-Se080.tendl Threshold 674.68 keV  
- - - n-Se080.jeff3.3 Threshold 674.68 keV



Incident Energy (eV)

<sup>34</sup>Se-80

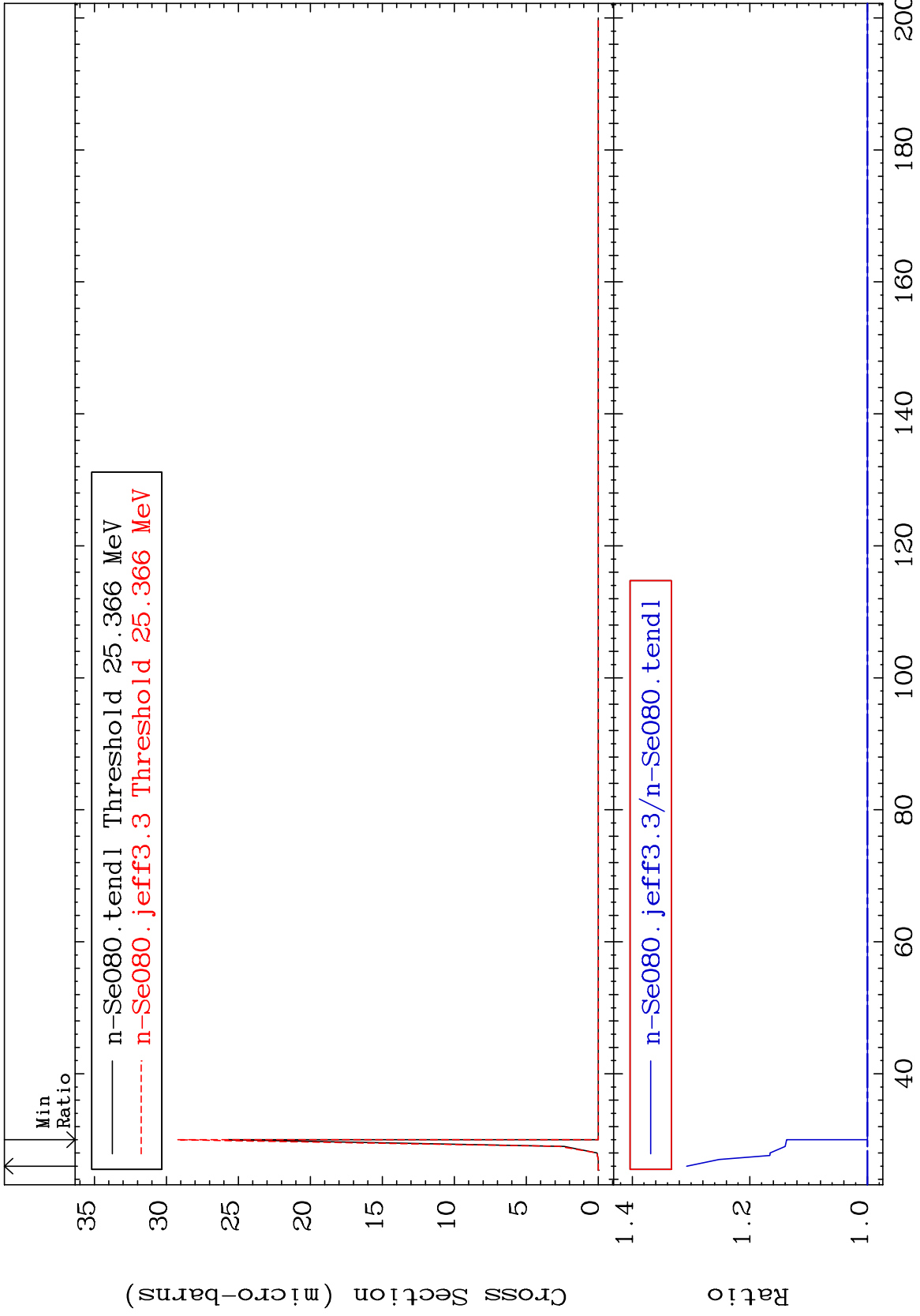
MAT 3443

(n,2n) d

<sup>34</sup>Se-80

Cross Section

0.000 To 30.74 %



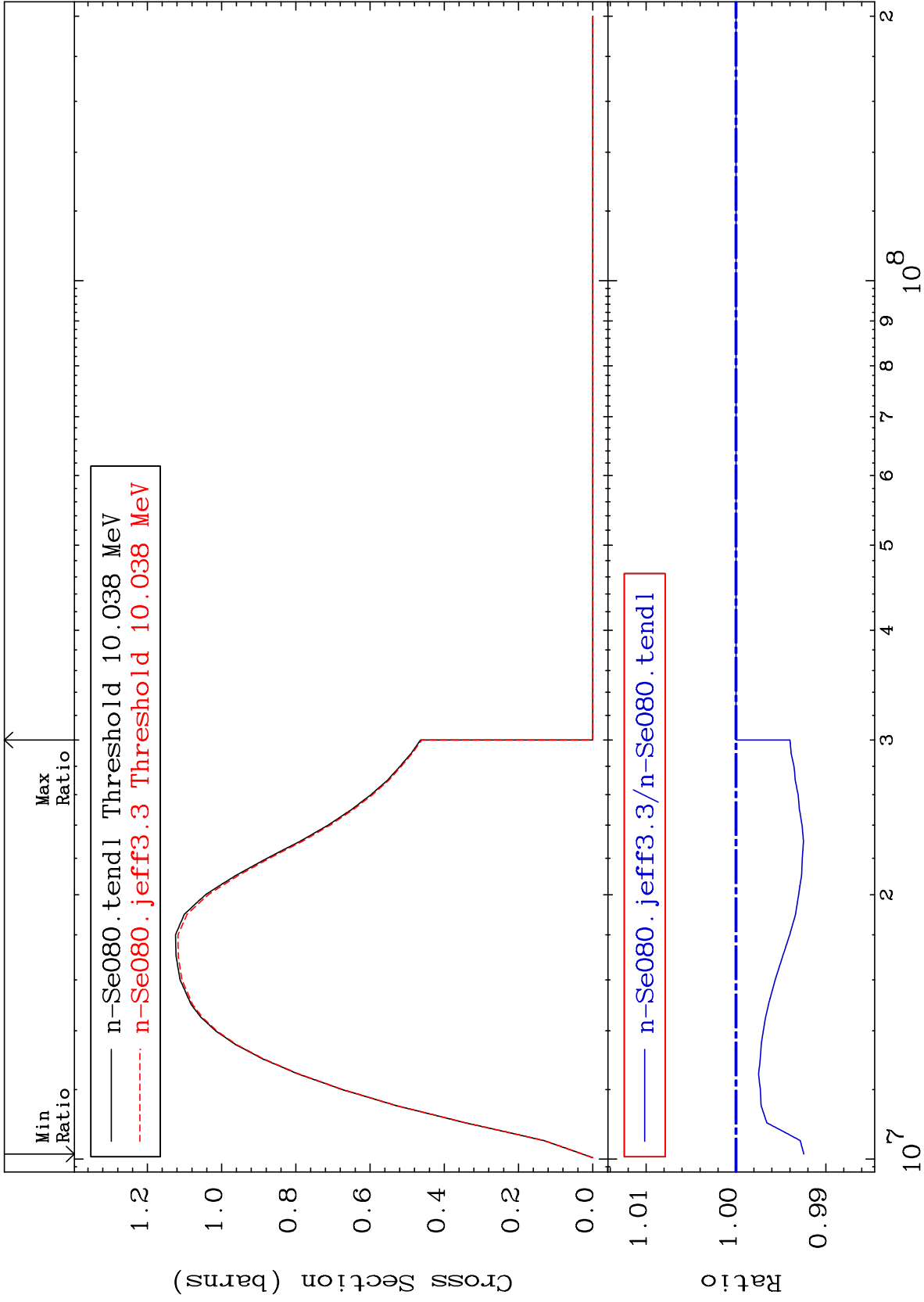
MAT 3443

(n,2n)

<sup>34</sup>Se-80

Cross Section

-0.755 To 0.000 %



34-Se-80

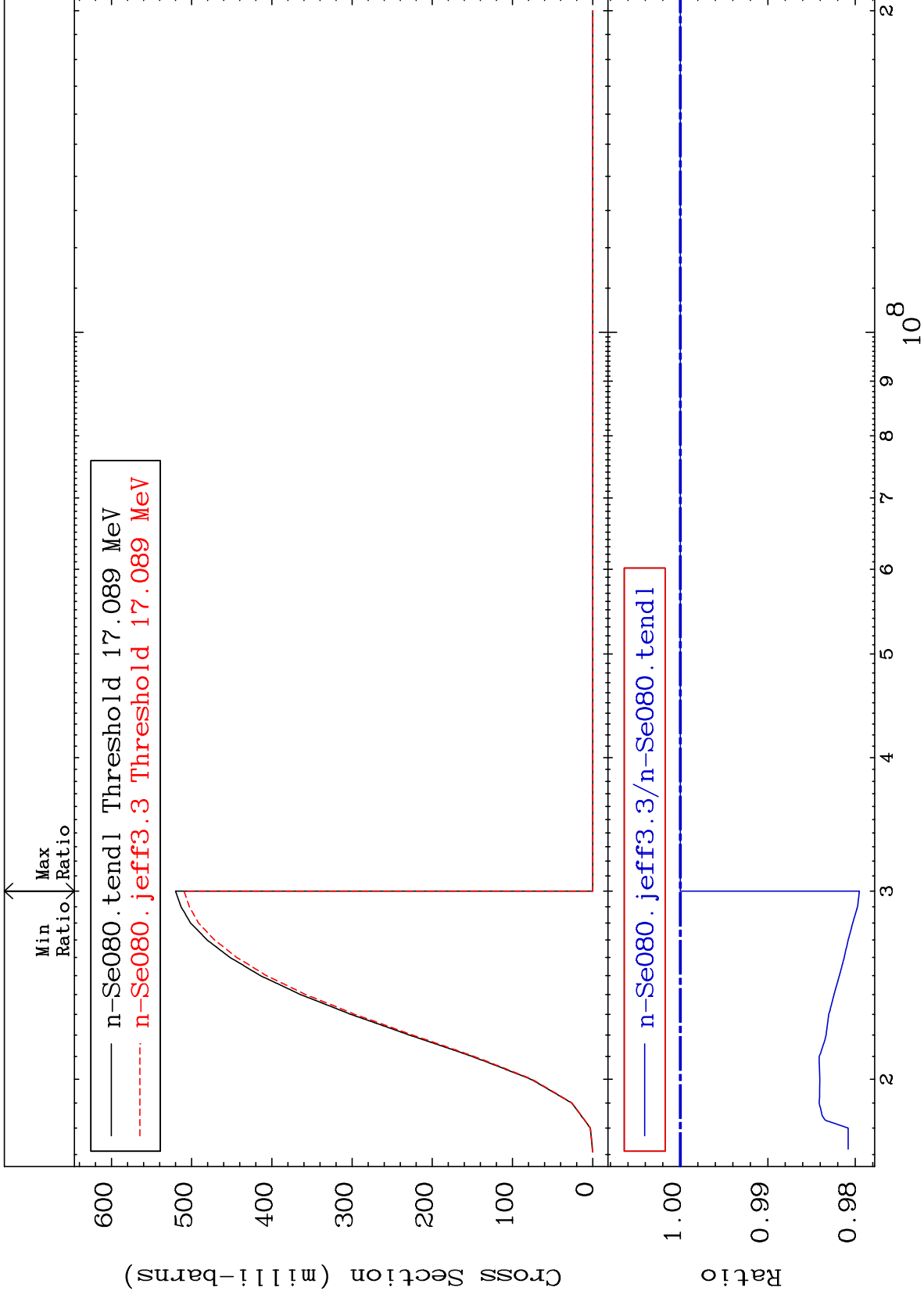
MAT 3443

(n,3n)

<sup>34</sup>Se-80

Cross Section

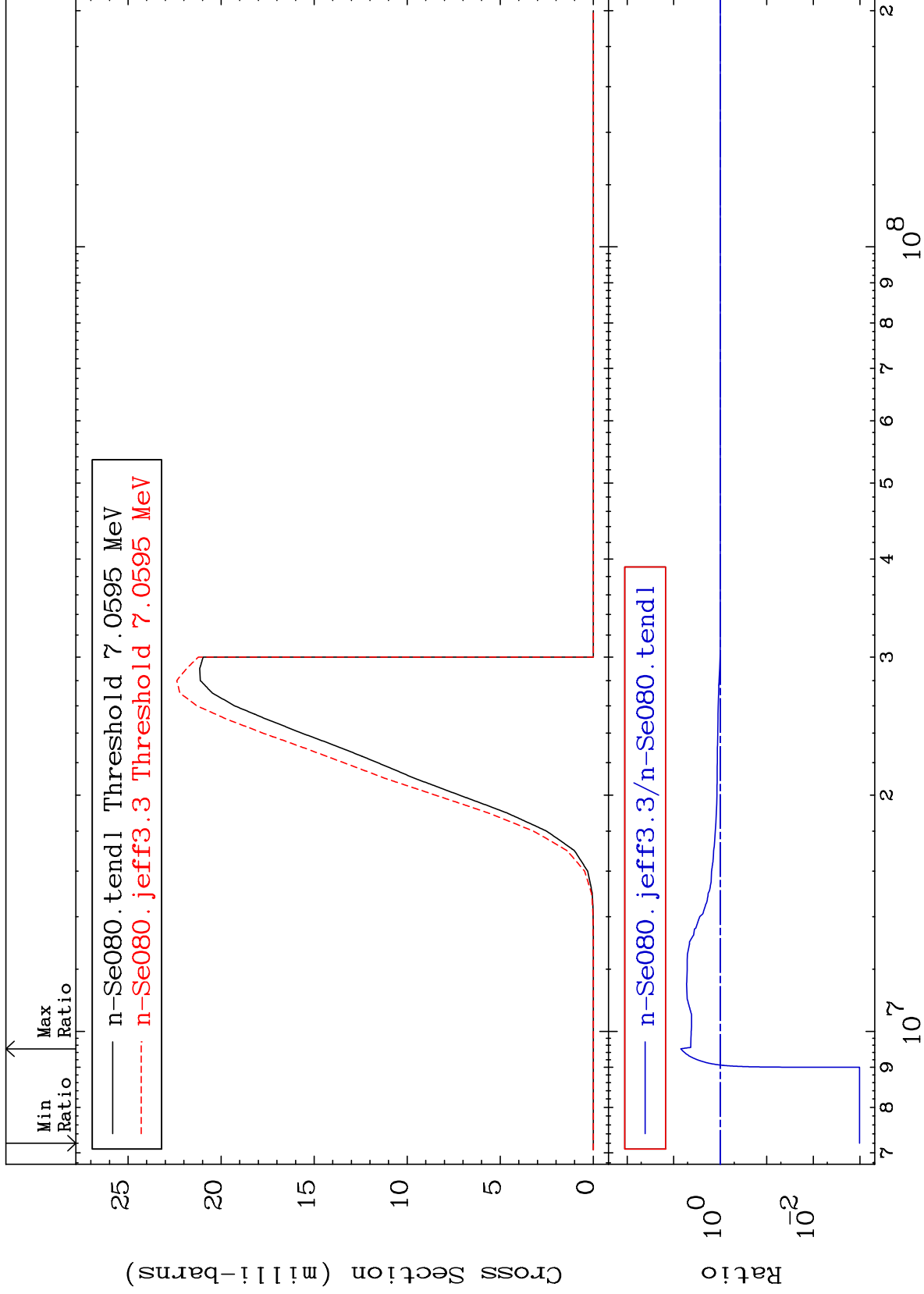
-2.048 To 0.000 %



MAT 3443

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

$^{34}\text{Se-80}$   
-99.90 To 604.1 %



7

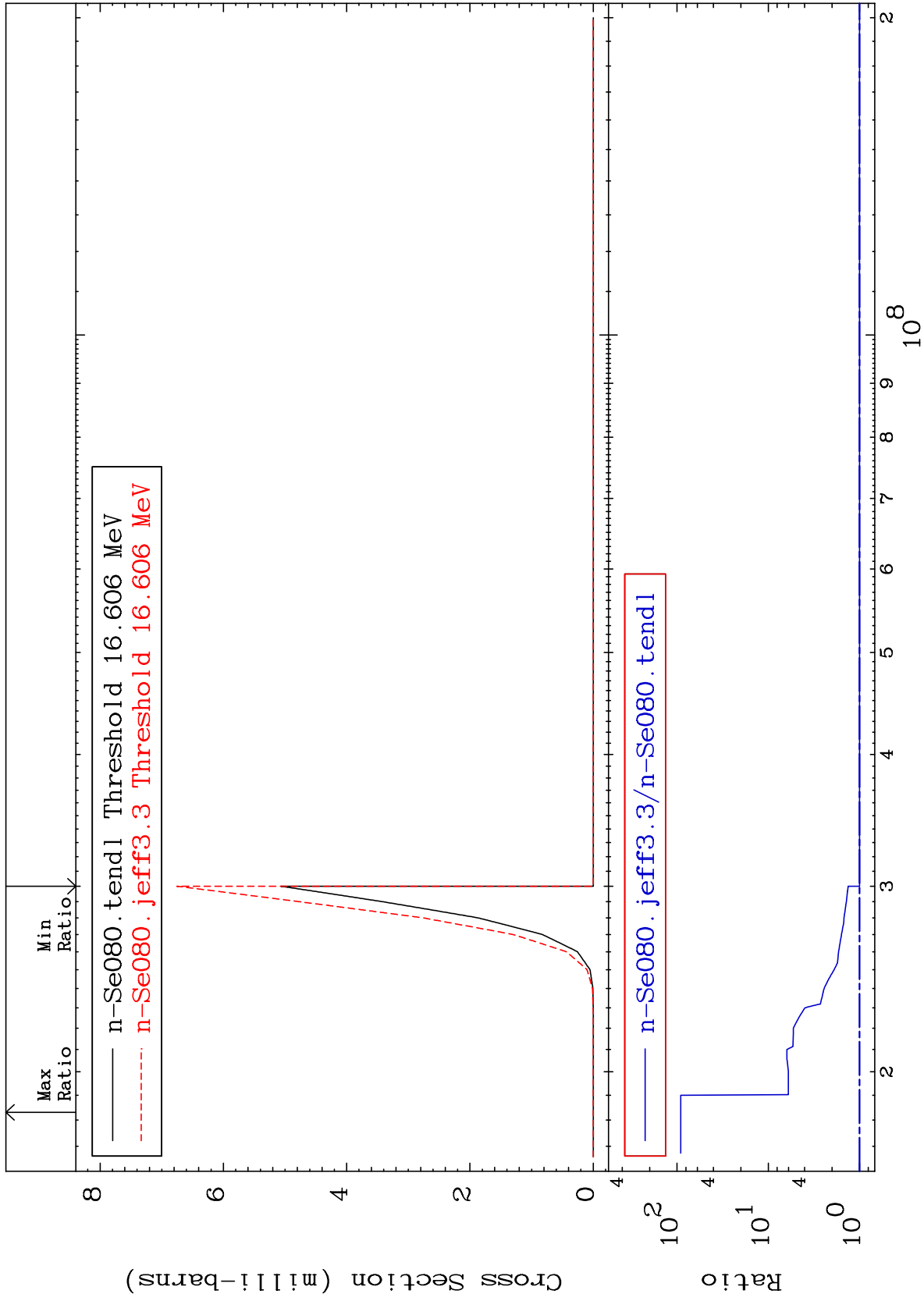
Incident Energy (eV)

$^{34}\text{Se-80}$

MAT 3443

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

34-Se-80  
To 9010. %  
0.000

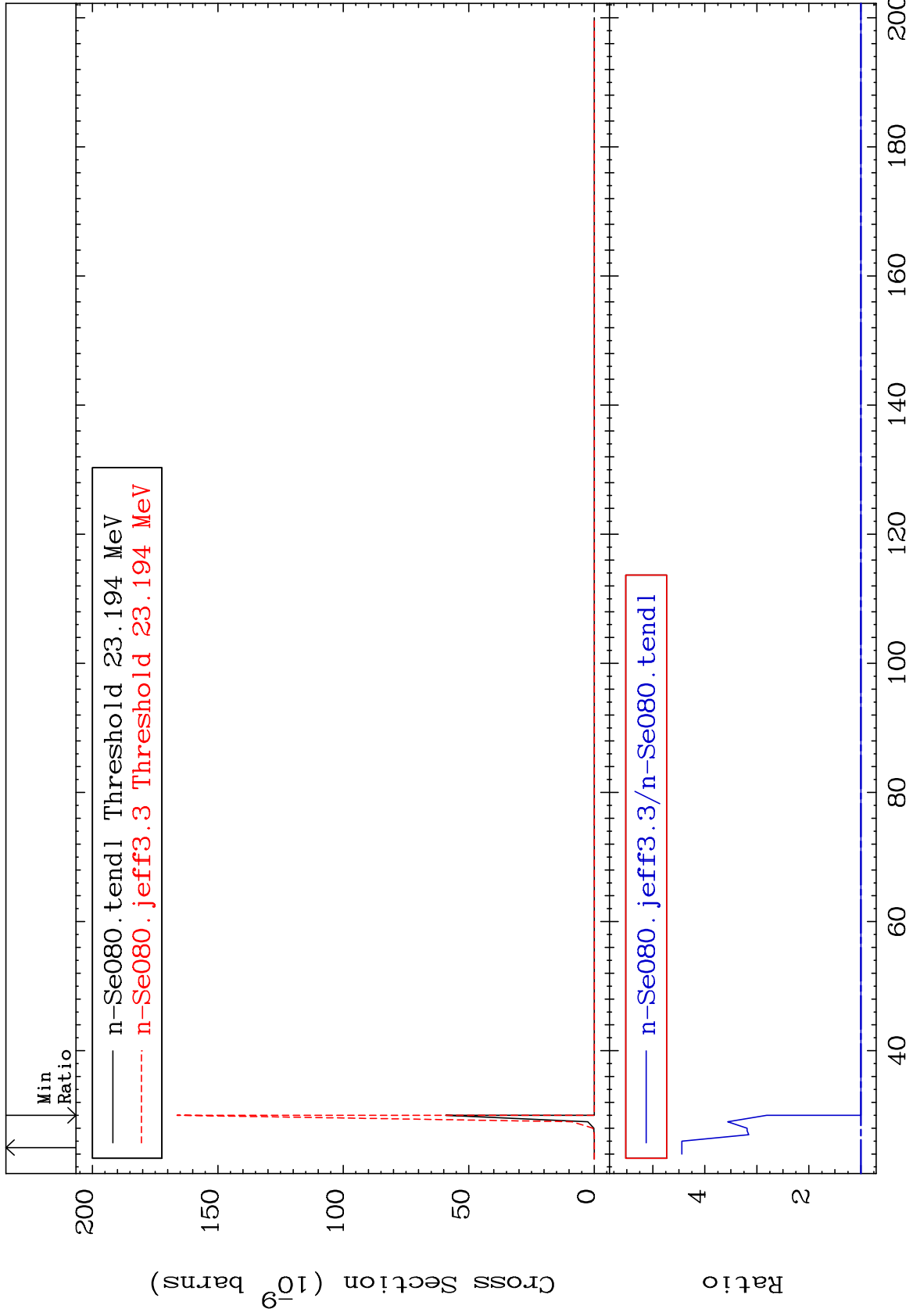




MAT 3443

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

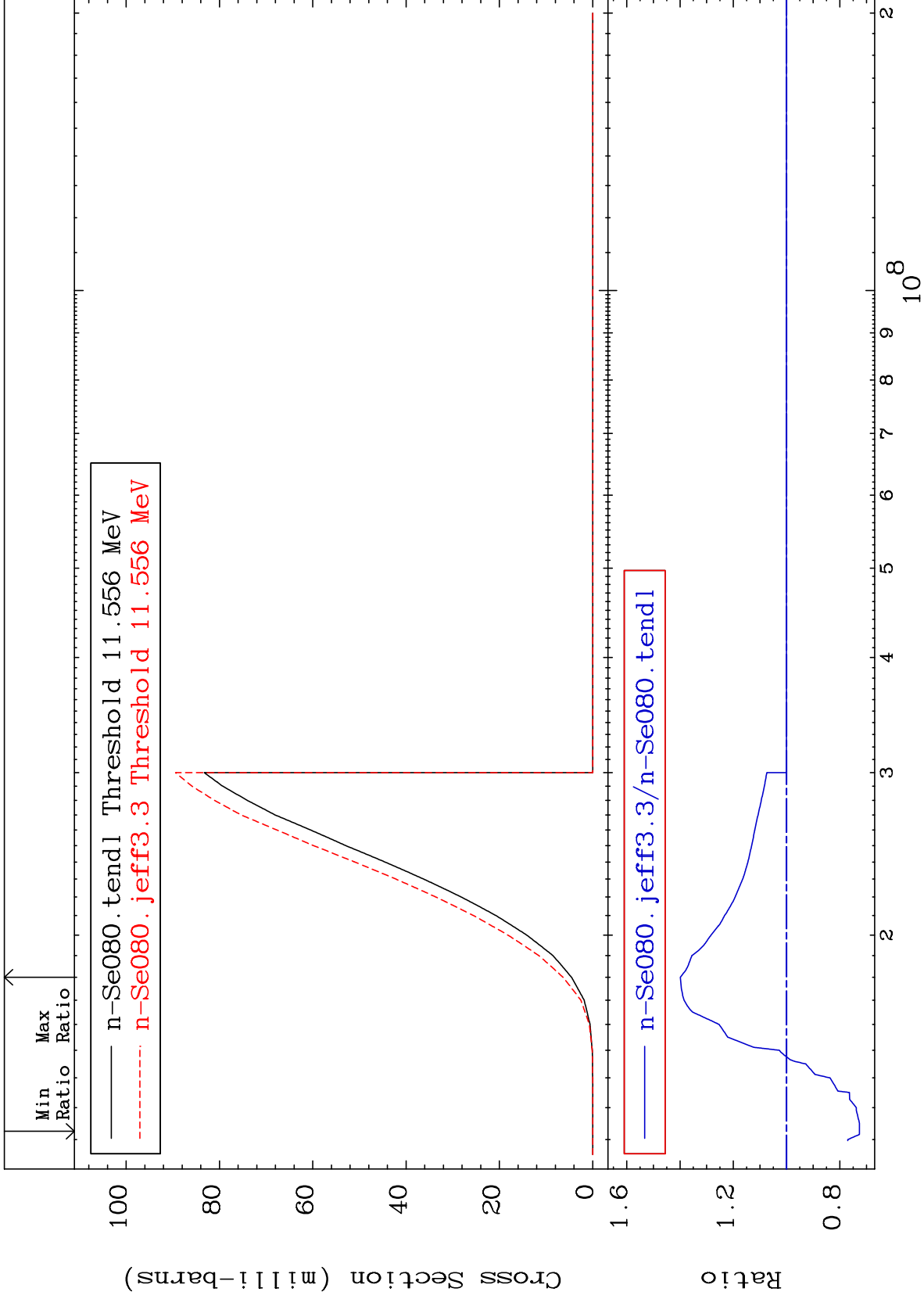
$^{34}\text{Se-80}$   
0.000 To 344.1 %



MAT 3443

(n, n') p  
Cross Section

<sup>34</sup>Se-80  
-27.37 To 39.88 %



10

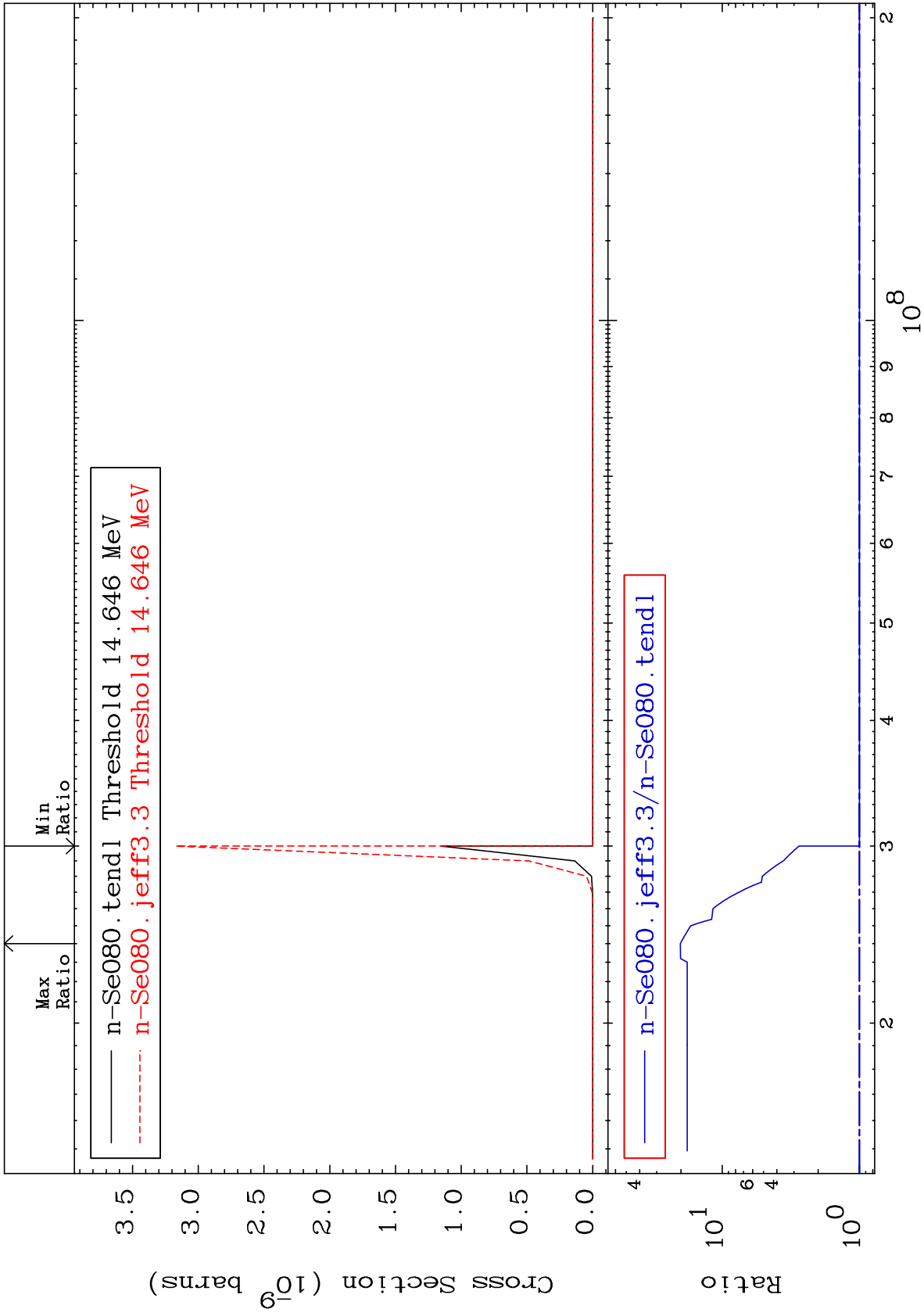
Incident Energy (eV)

<sup>34</sup>Se-80

MAT 3443

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

34-Se-80  
To 1920. %



MAT 3443

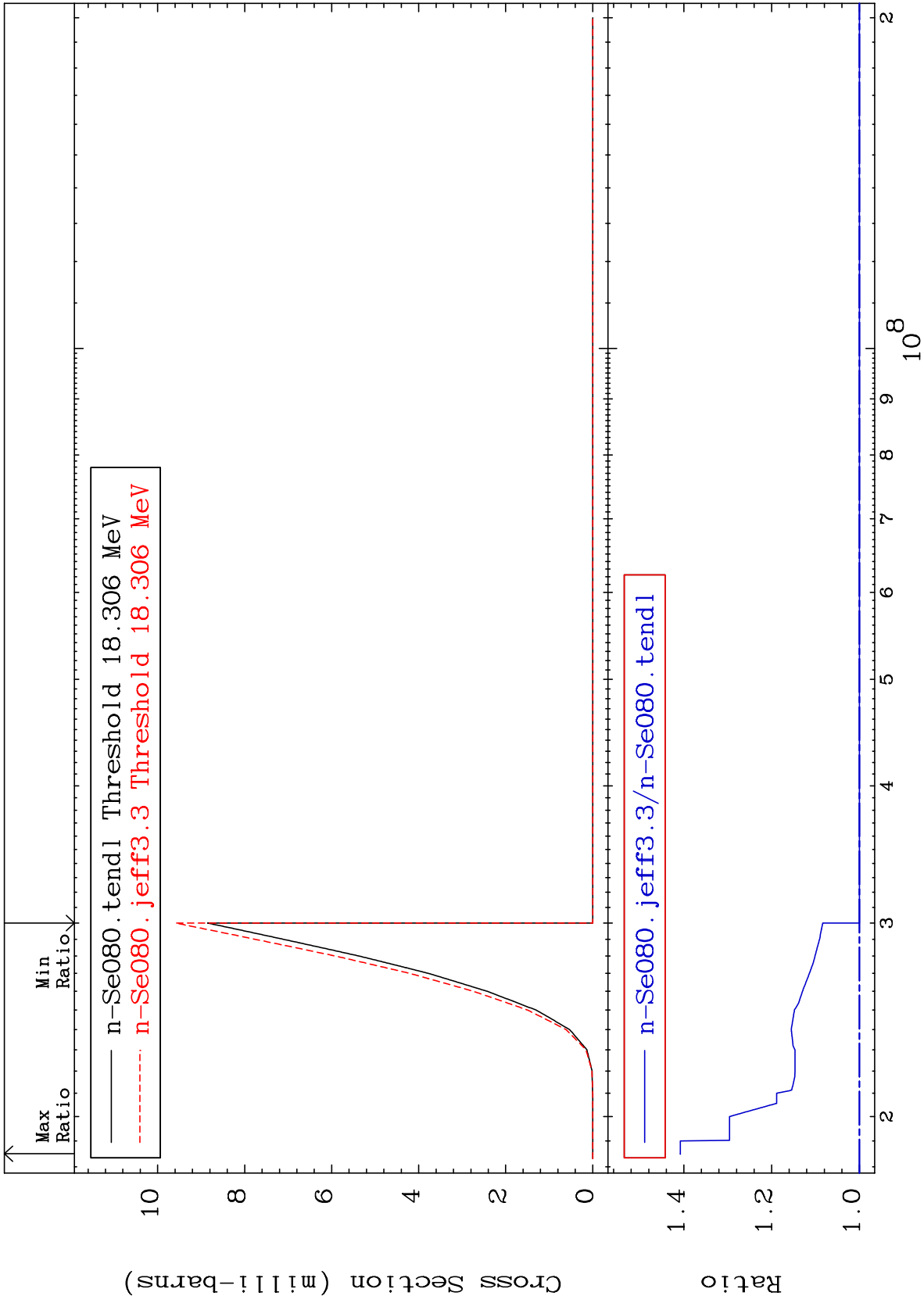
(n,n') d

<sup>34</sup>Se-80

Cross Section

0.000

To 40.80 %



MAT 3443

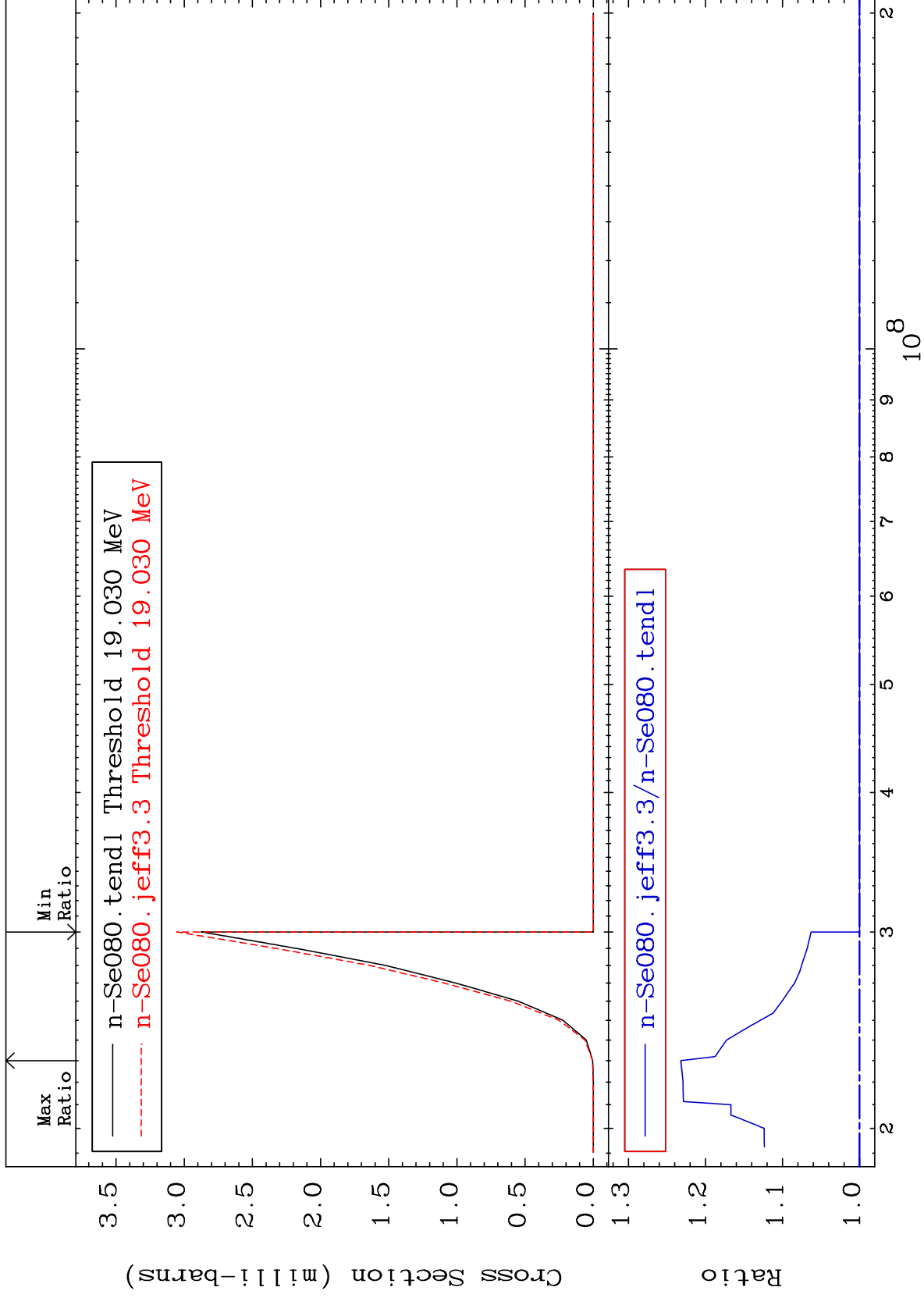
(n,n') t

<sup>34</sup>Se-80

Cross Section

0.000

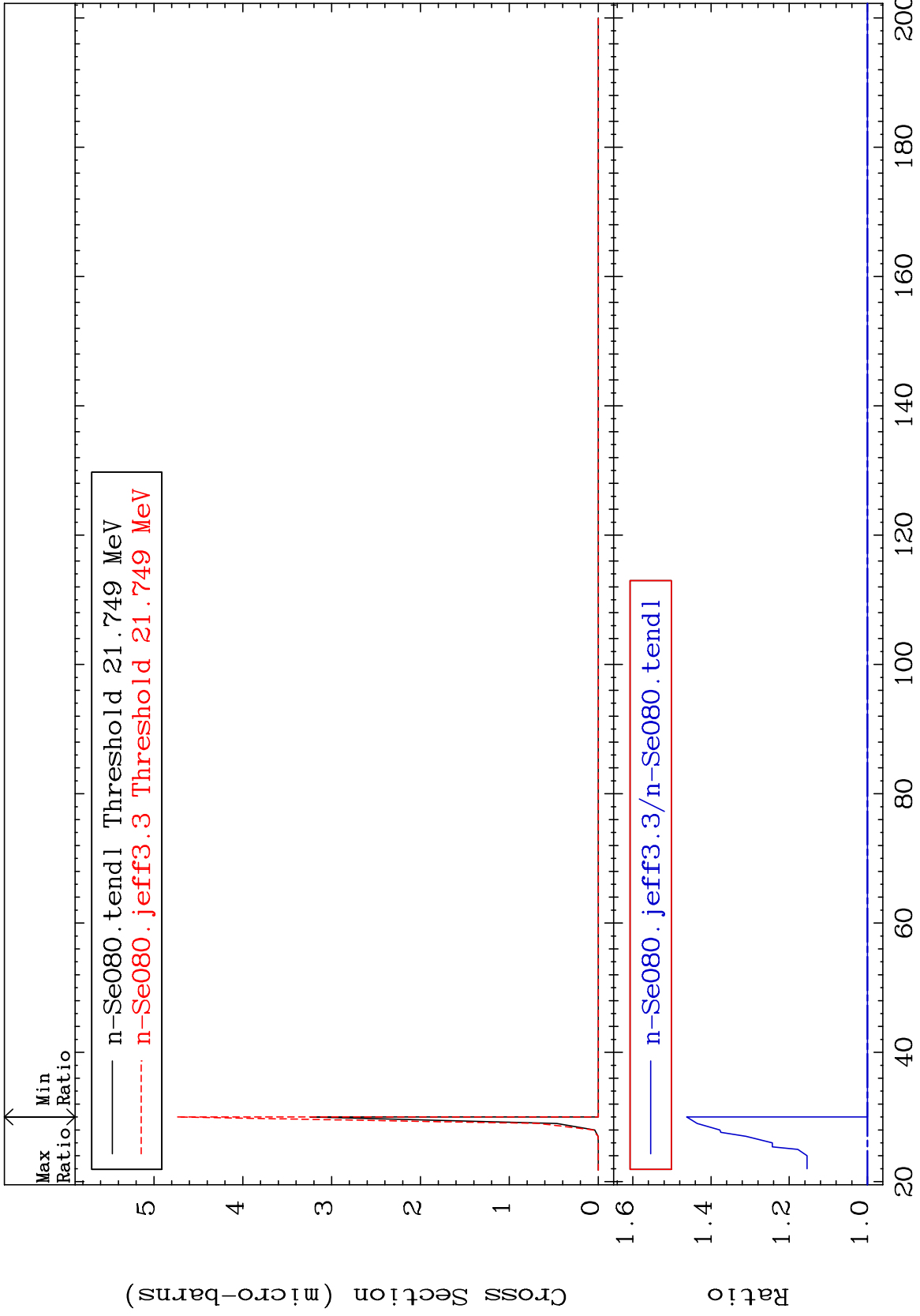
To 23.20 %



MAT 3443

(n, n') He-3  
Cross Section

34-Se-80  
0.000 To 46.22 %



14

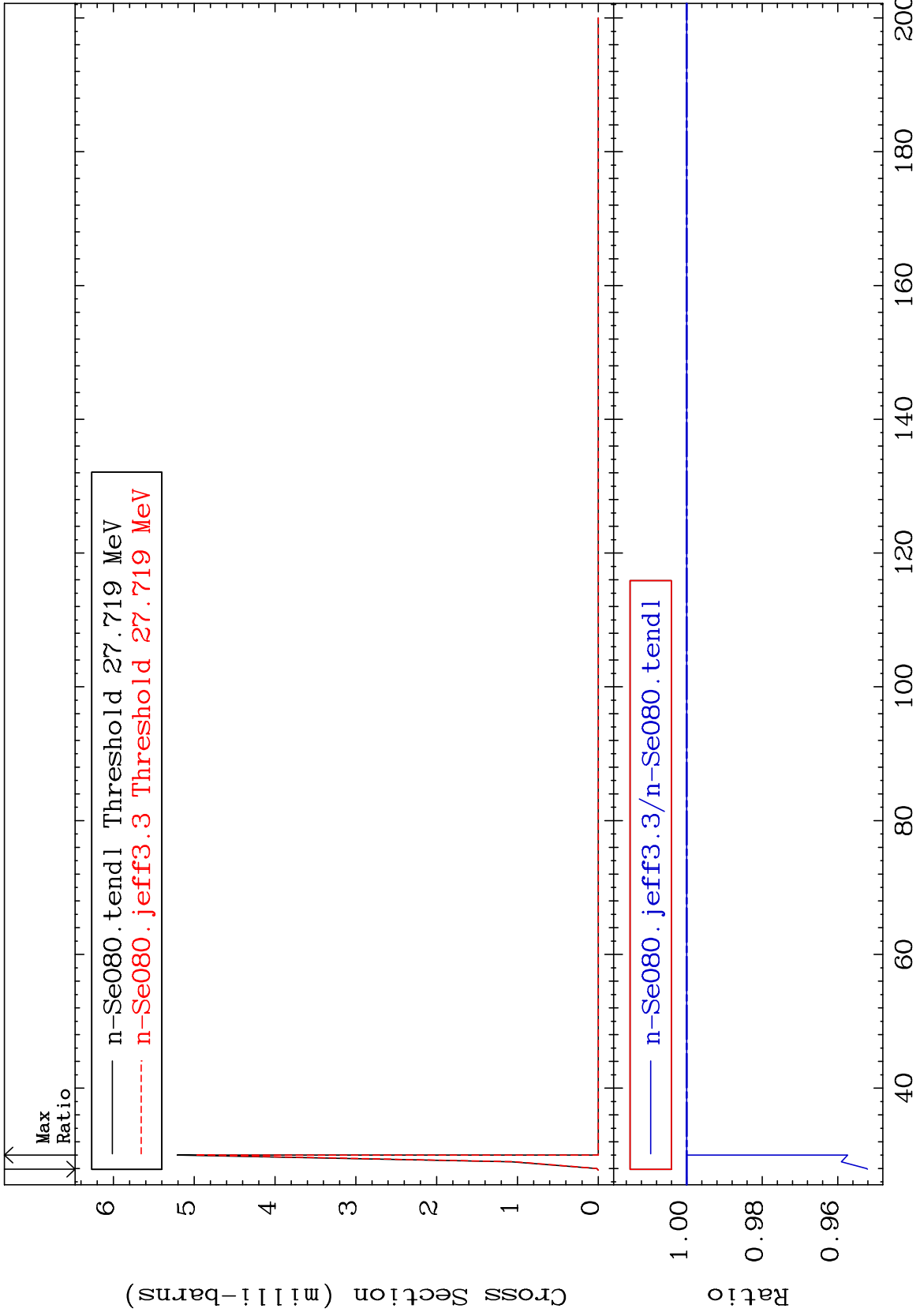
Incident Energy (MeV)

34-Se-80

MAT 3443

(n,4n)  
Cross Section

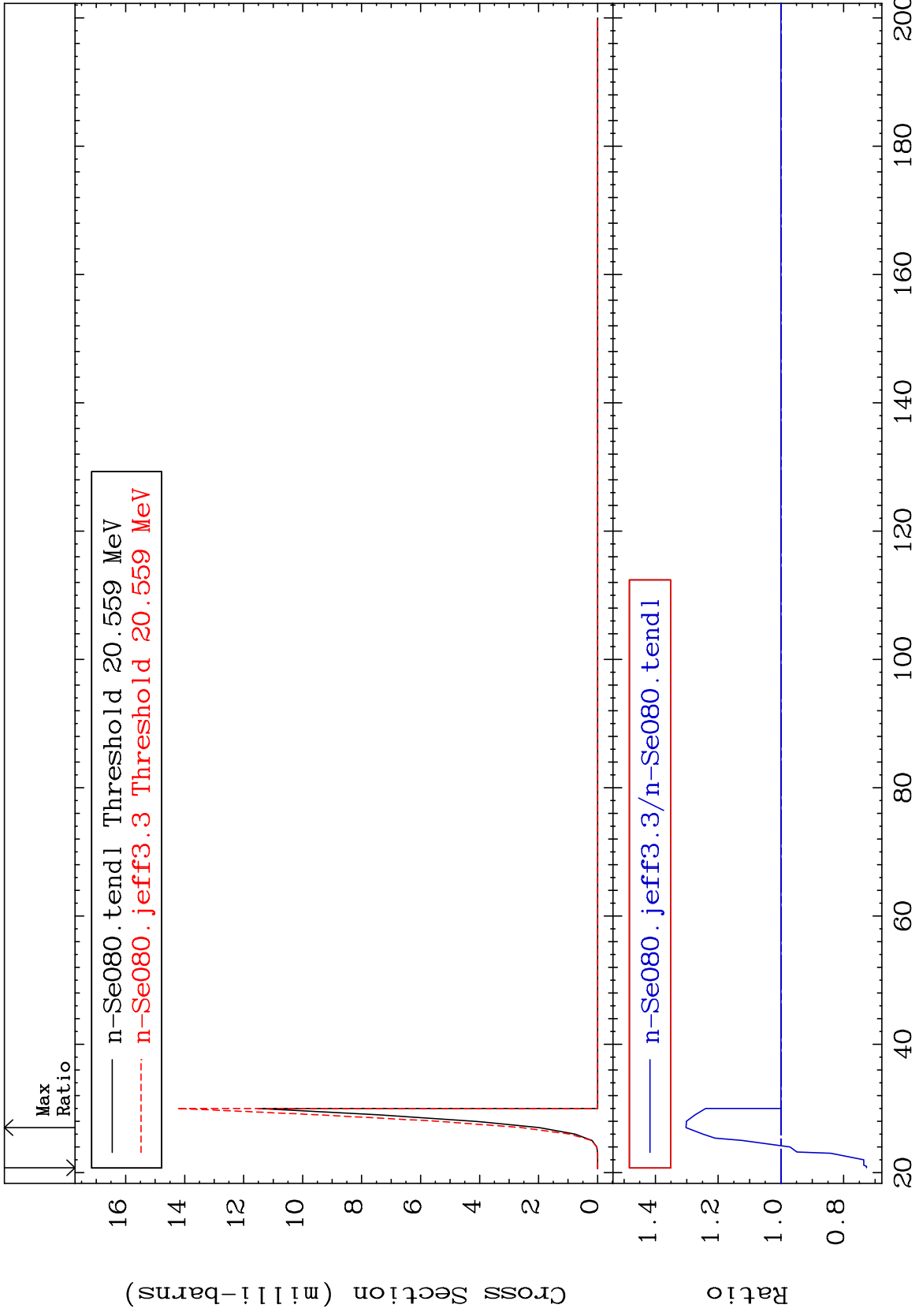
<sup>34</sup>Se-80  
-4.787 To 0.000 %



MAT 3443

(n,2n) p  
Cross Section

<sup>34</sup>Se-80  
-27.28 To 30.26 %

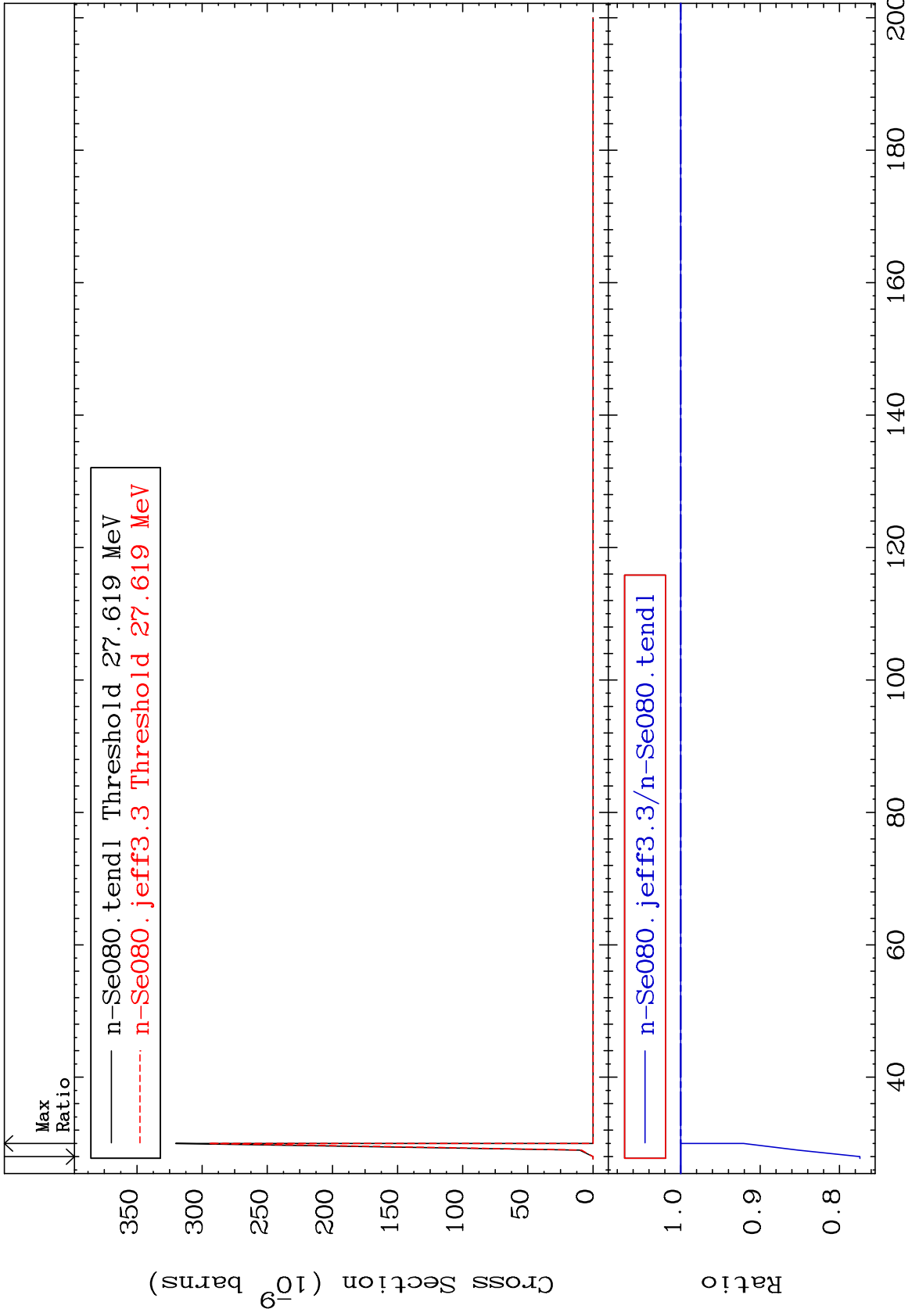




MAT 3443

(n,3n) p  
Cross Section

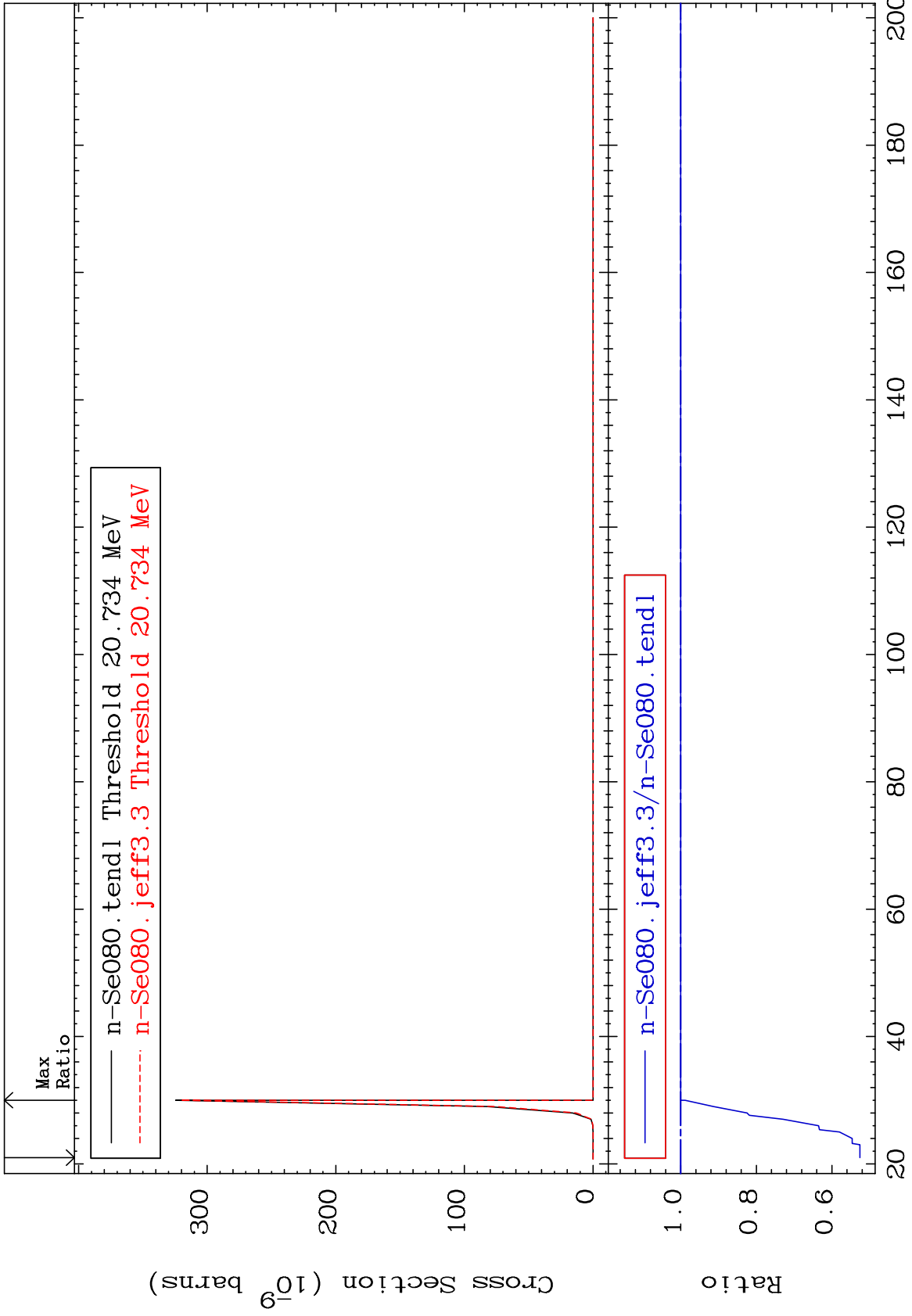
<sup>34</sup>Se-80  
-22.57 To 0.000 %



MAT 3443

(n,2n) p  
Cross Section

<sup>34</sup>Se-80  
-47.41 To 0.000 %



18

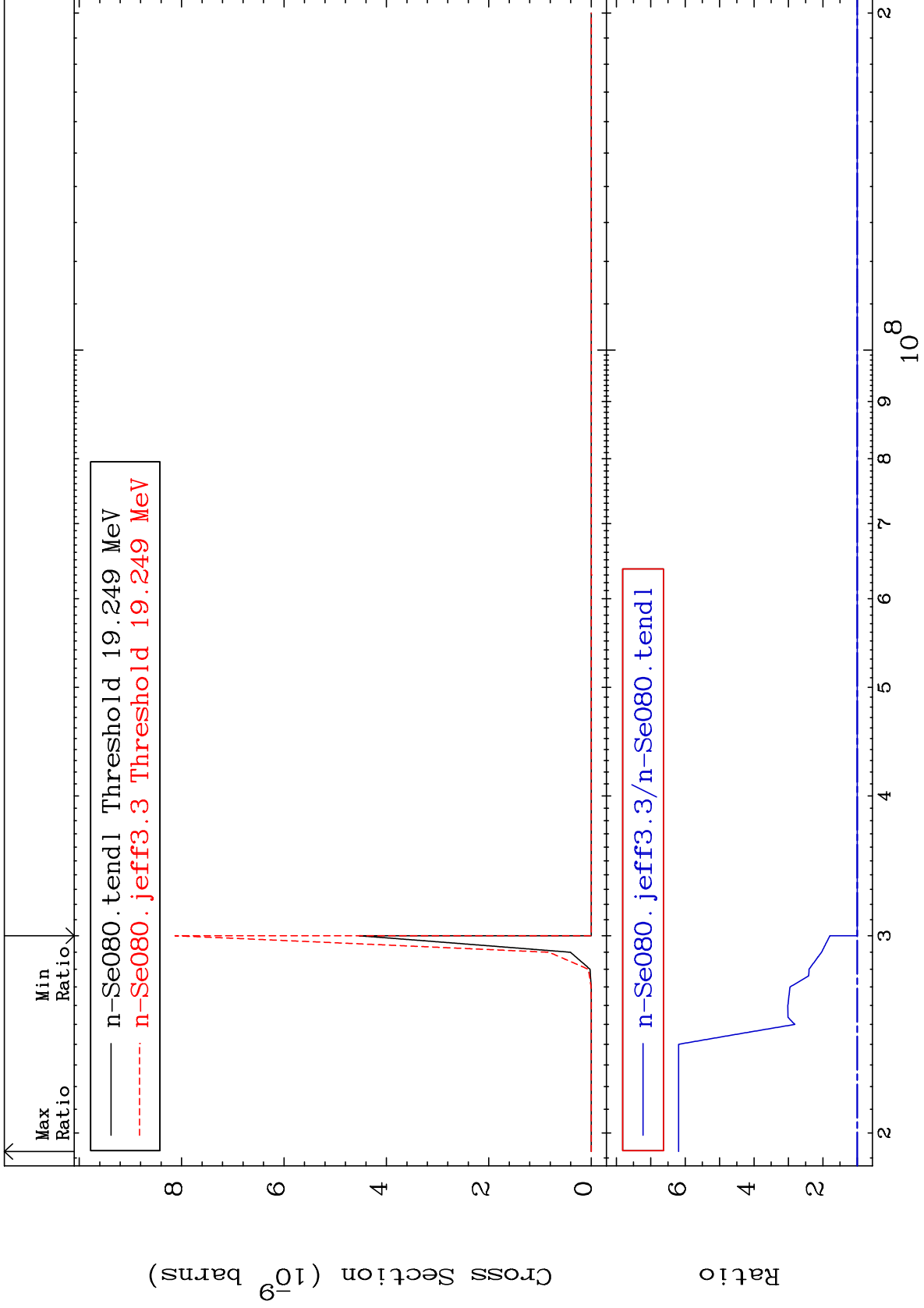
Incident Energy (MeV)

<sup>34</sup>Se-80

MAT 3443

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

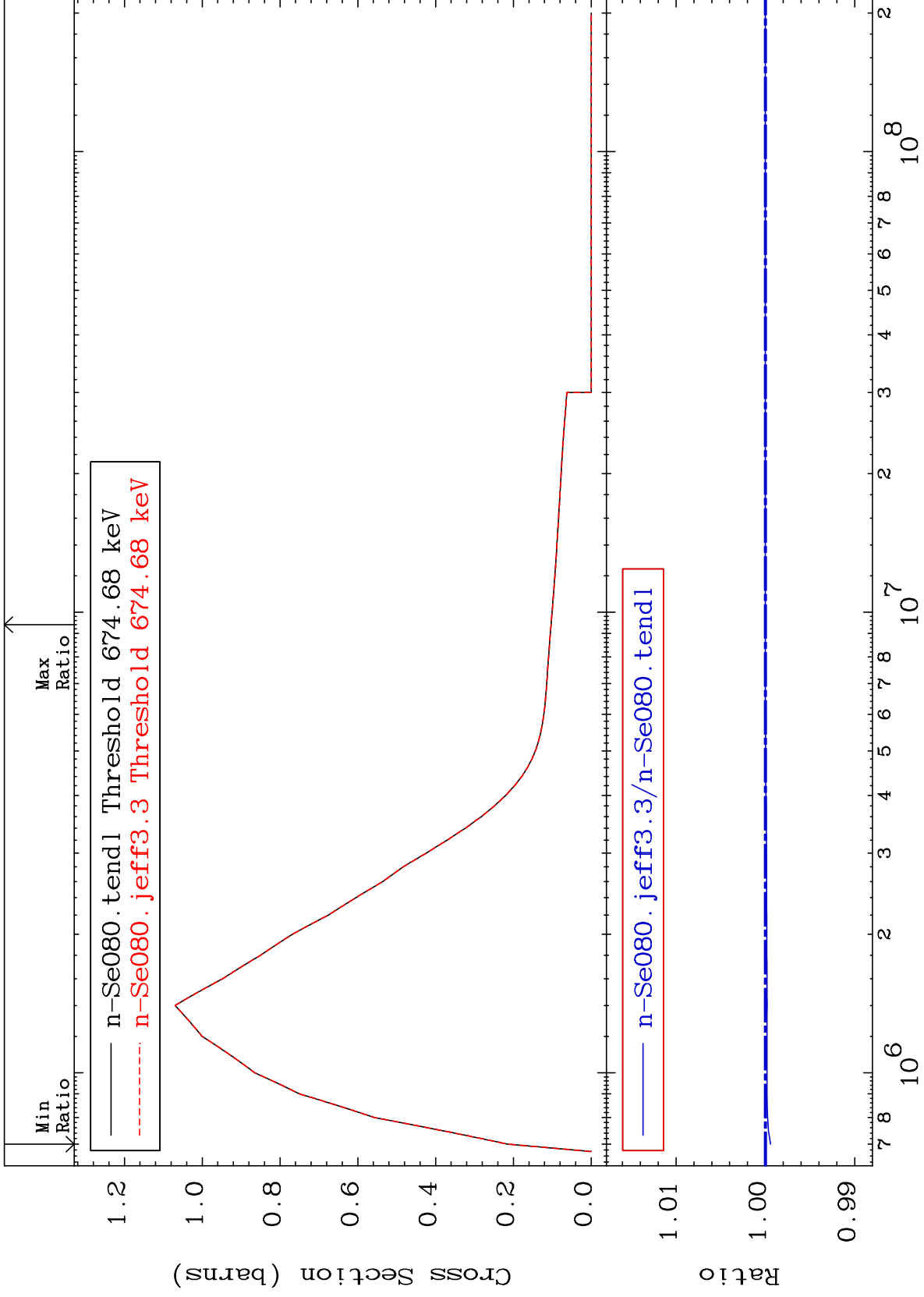
<sup>34</sup>Se-80  
To 519.0 %



MAT 3443

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

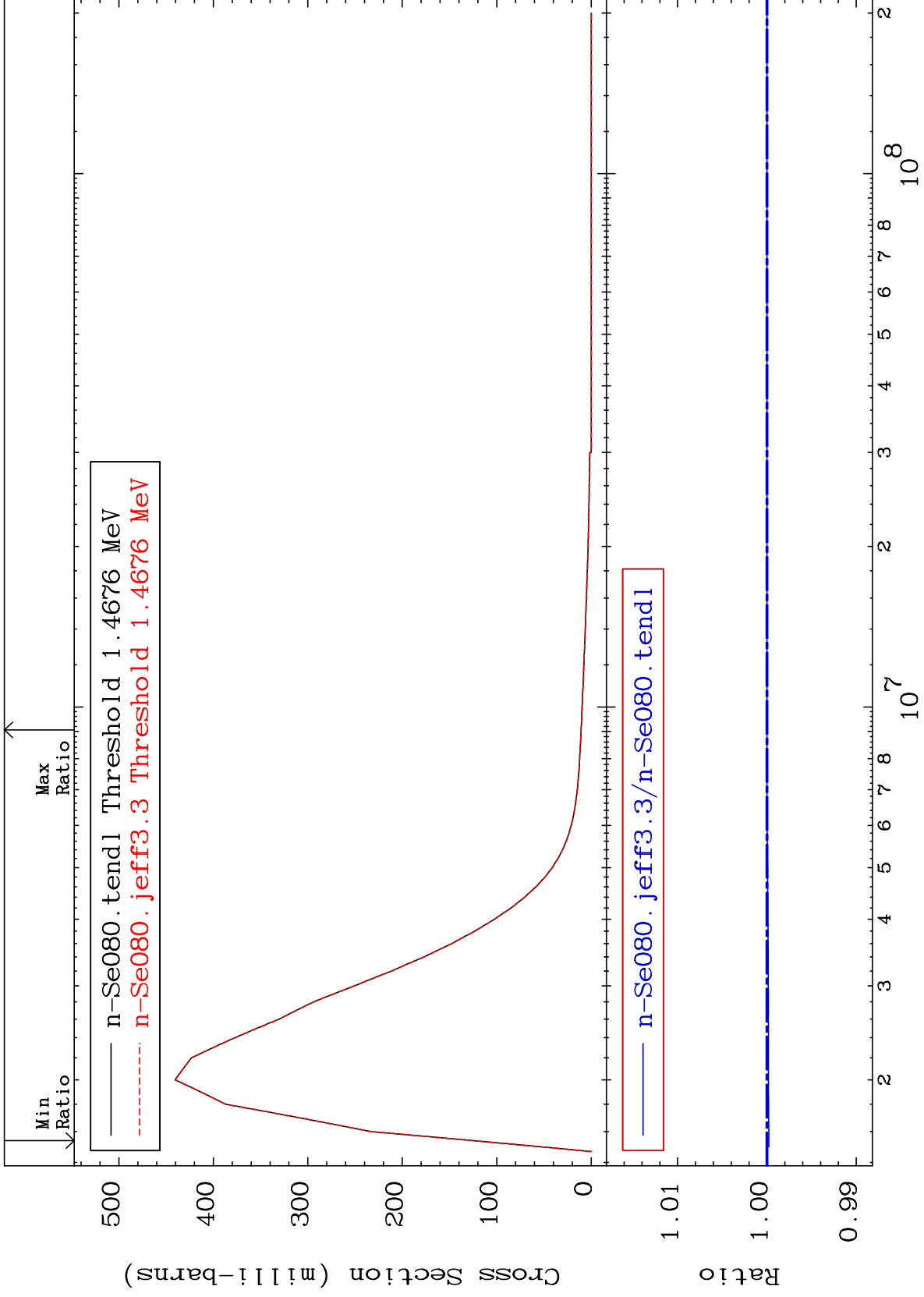
34-Se-80  
-0.058 To 0.000 %



MAT 3443

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

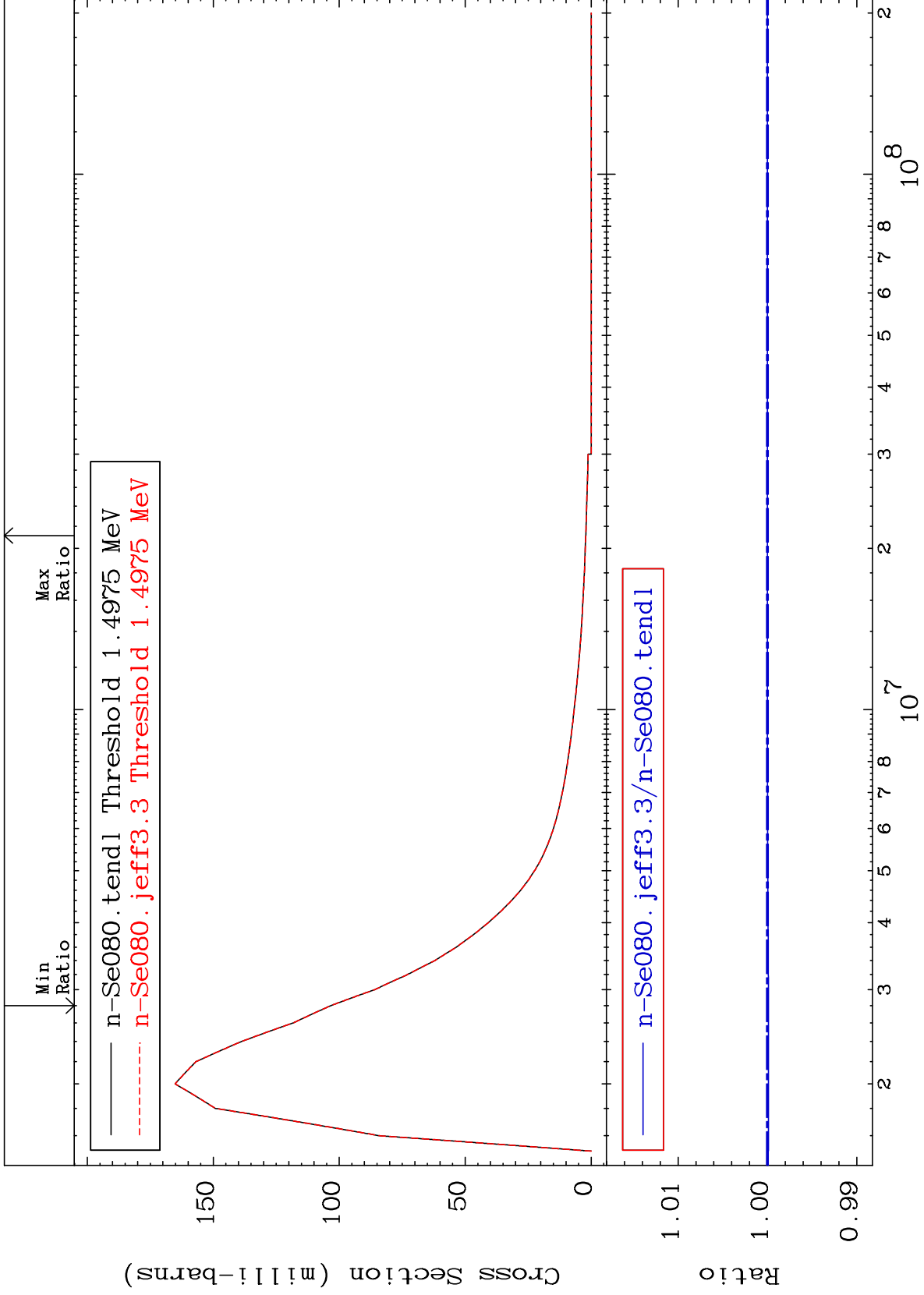
34-Se-80  
-0.022 To 0.000 %



MAT 3443

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

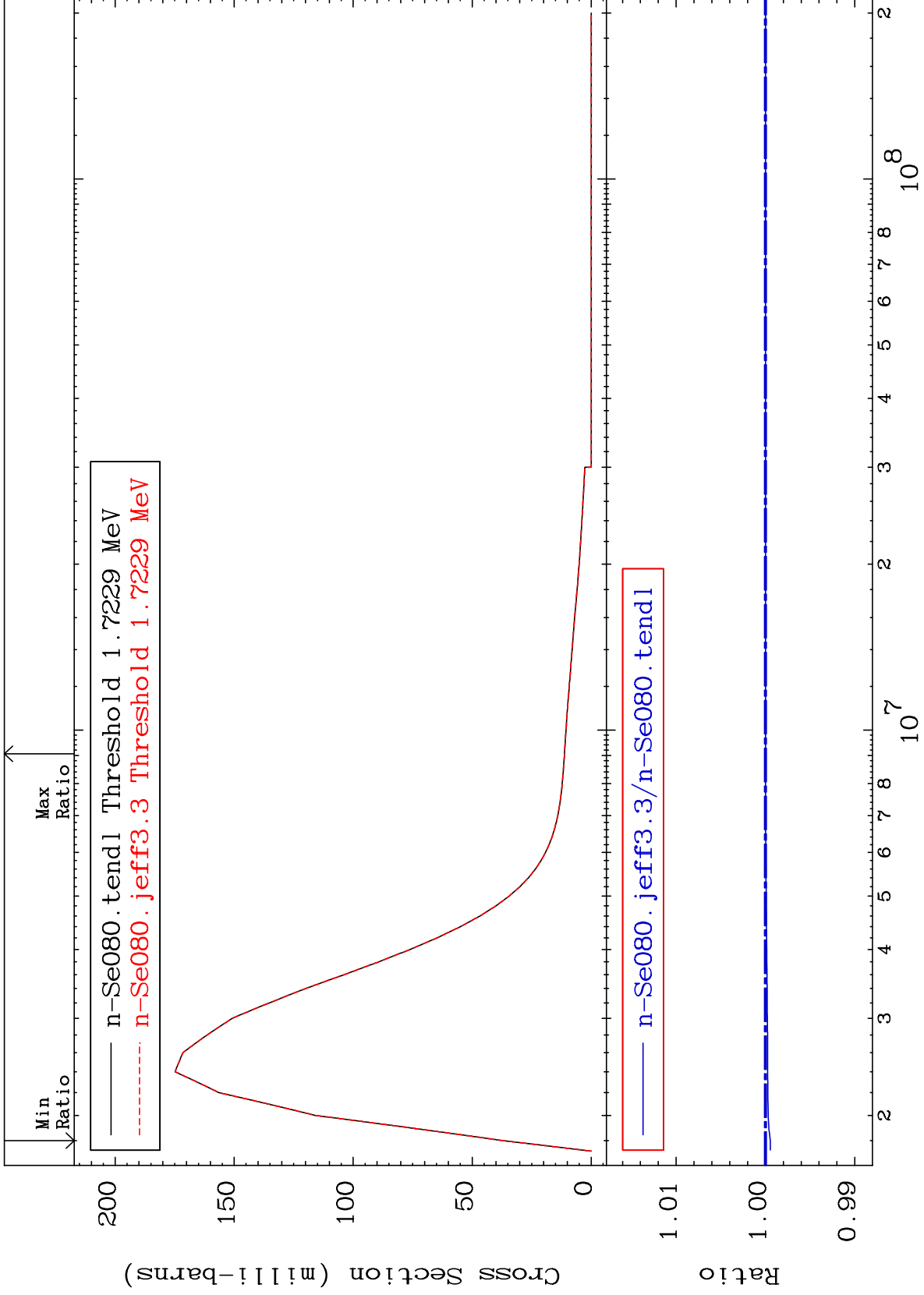
34-Se-80  
-0.012 To 0.000 %



MAT 3443

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

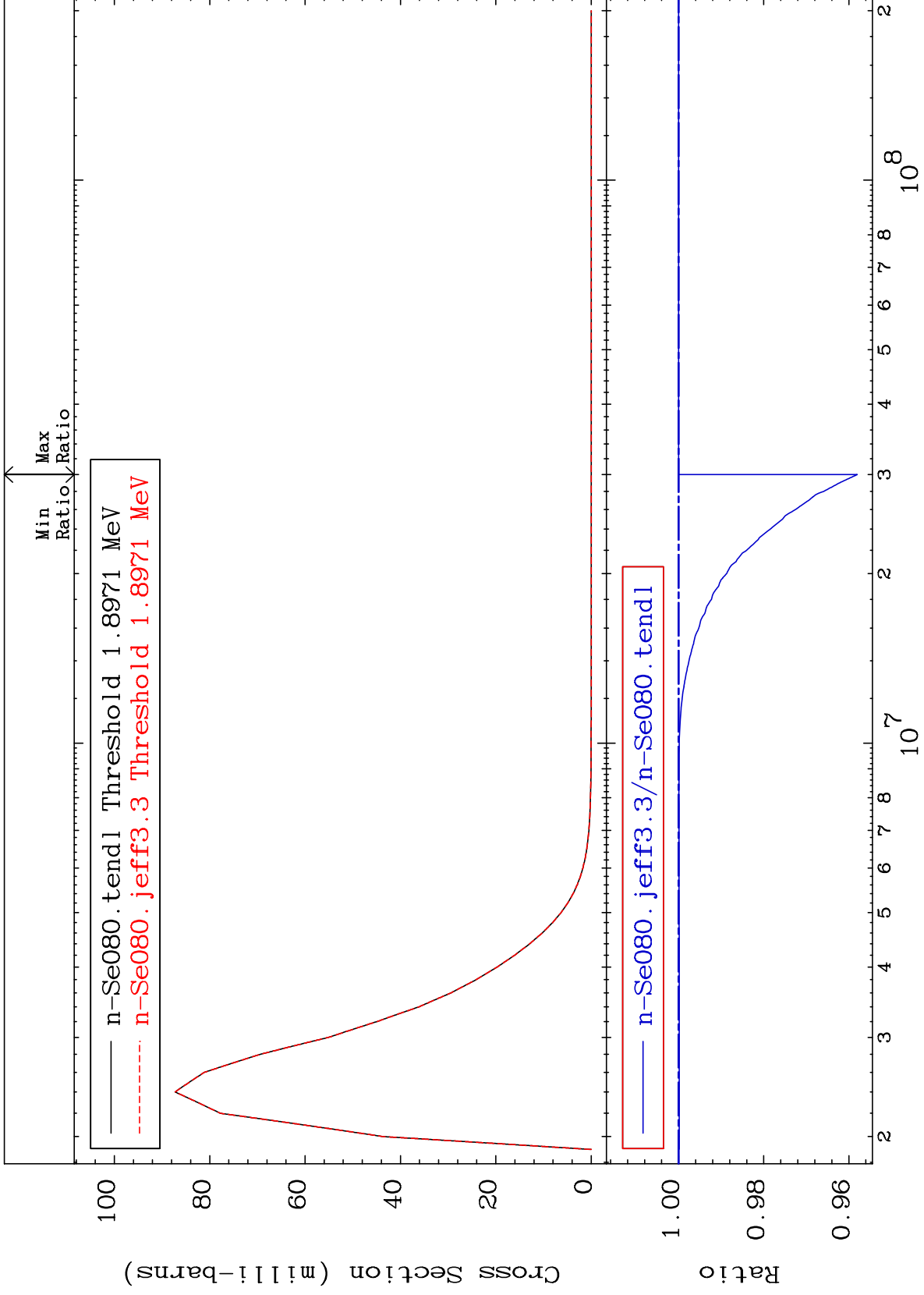
34-Se-80  
-0.055 To 0.000 %



MAT 3443

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

34-Se-80  
-4.198 To 0.000 %

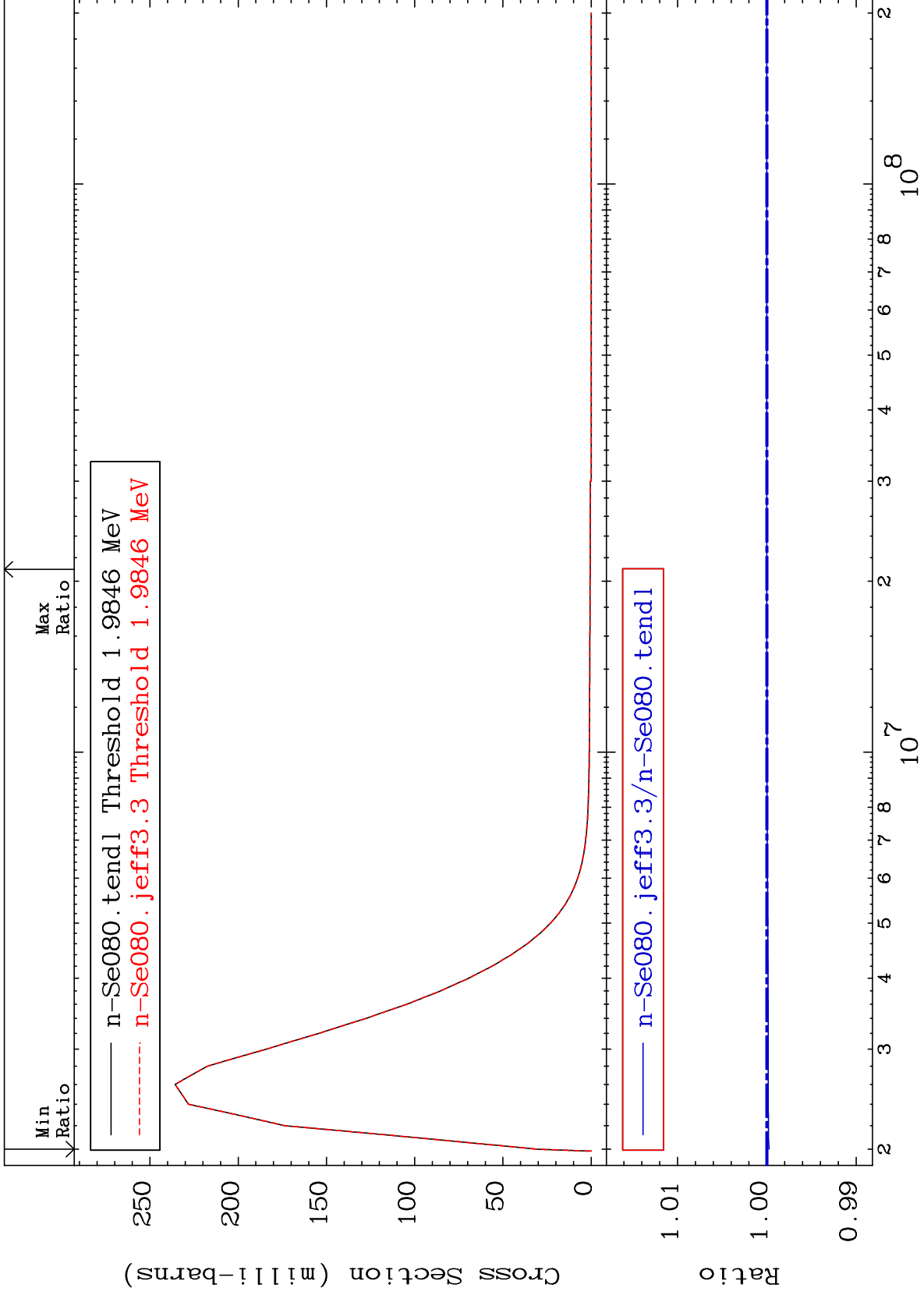




MAT 3443

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

34-Se-80  
-0.025 To 0.000 %



25

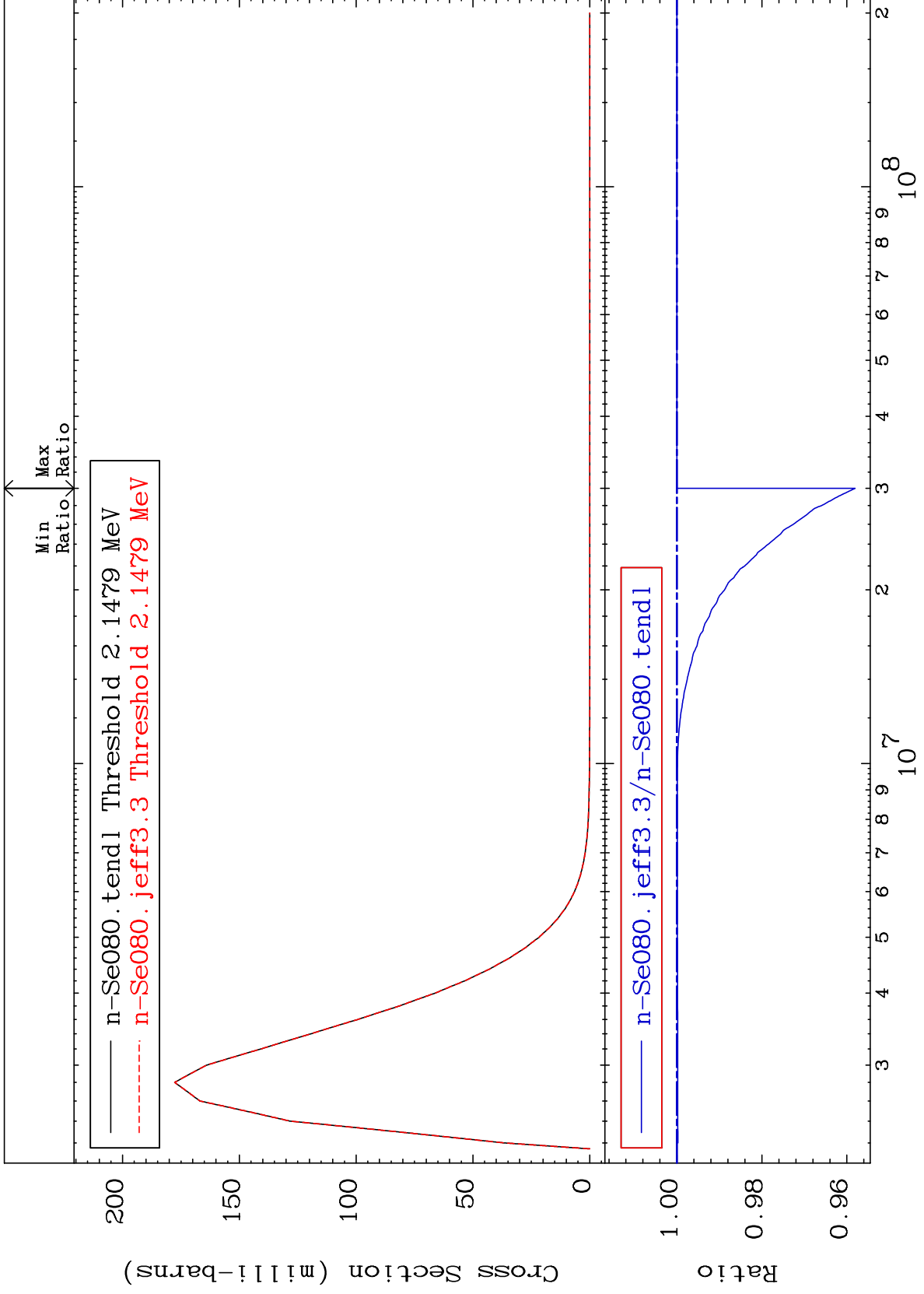
Incident Energy (eV)

34-Se-80

MAT 3443

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

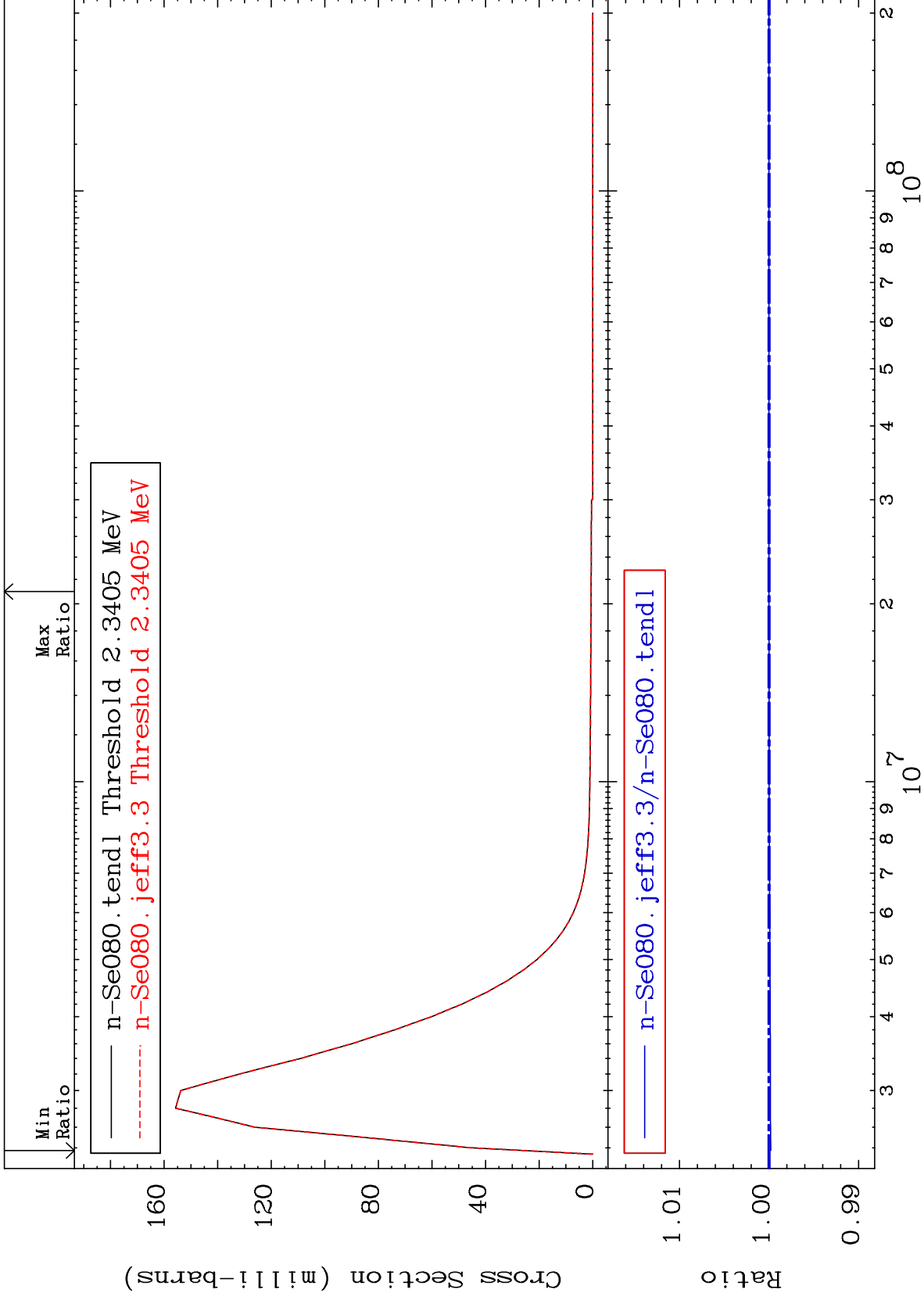
34-Se-80  
-4.193 To 0.000 %



MAT 3443

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

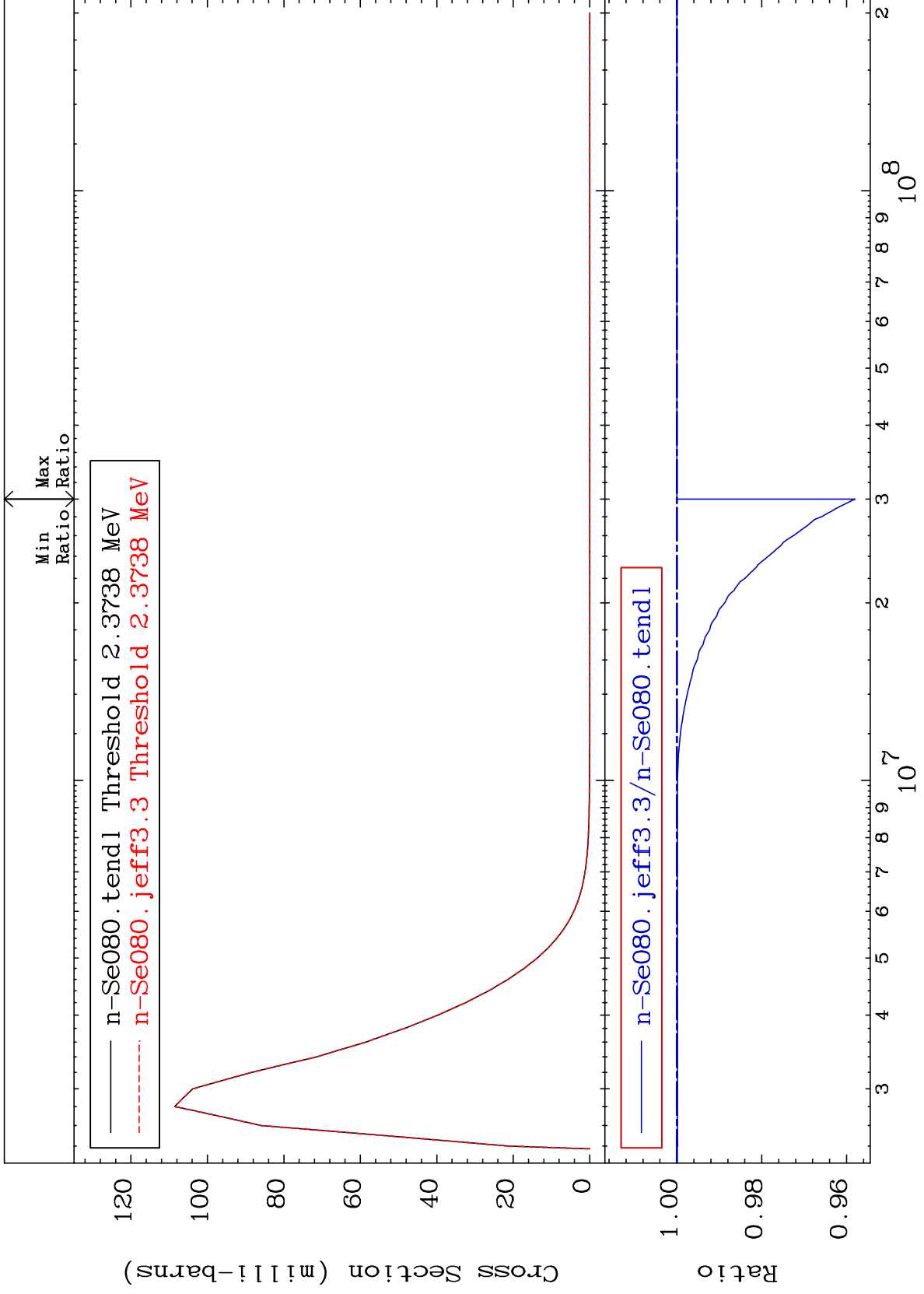
34-Se-80  
-0.019 To 0.000 %



MAT 3443

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

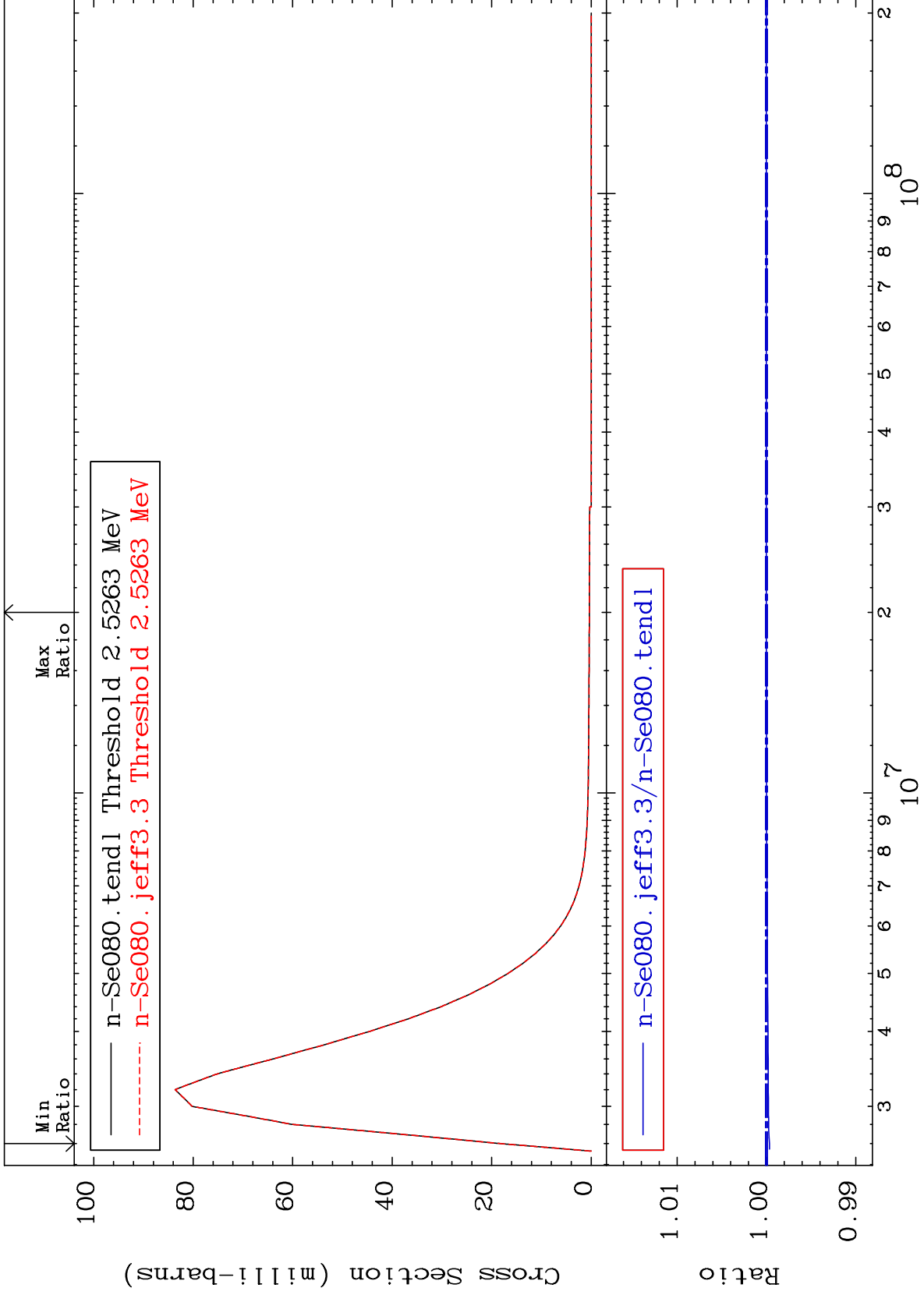
34-Se-80  
-4.201 To 0.000 %



MAT 3443

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

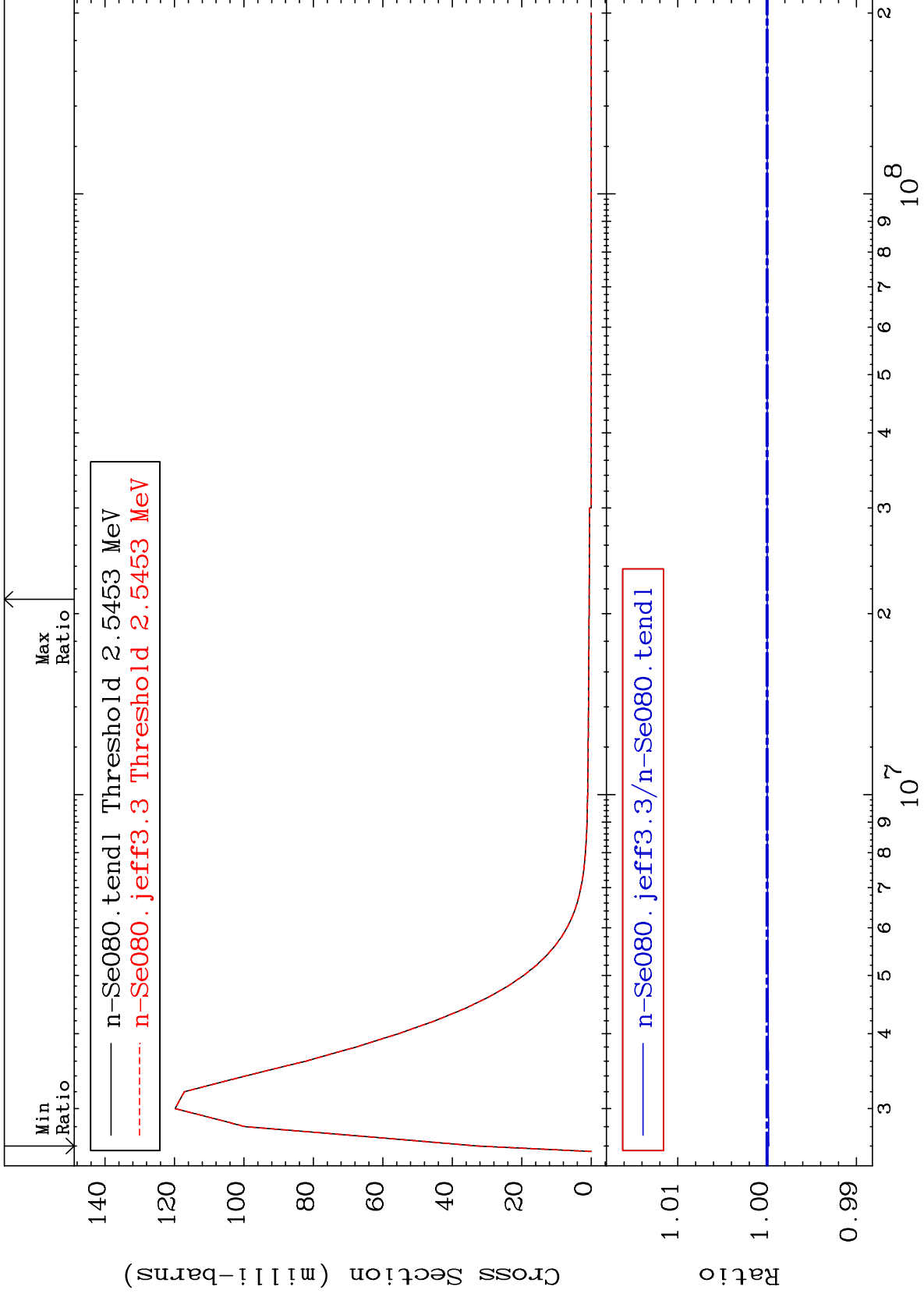
34-Se-80  
-0.034 To 0.000 %



MAT 3443

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

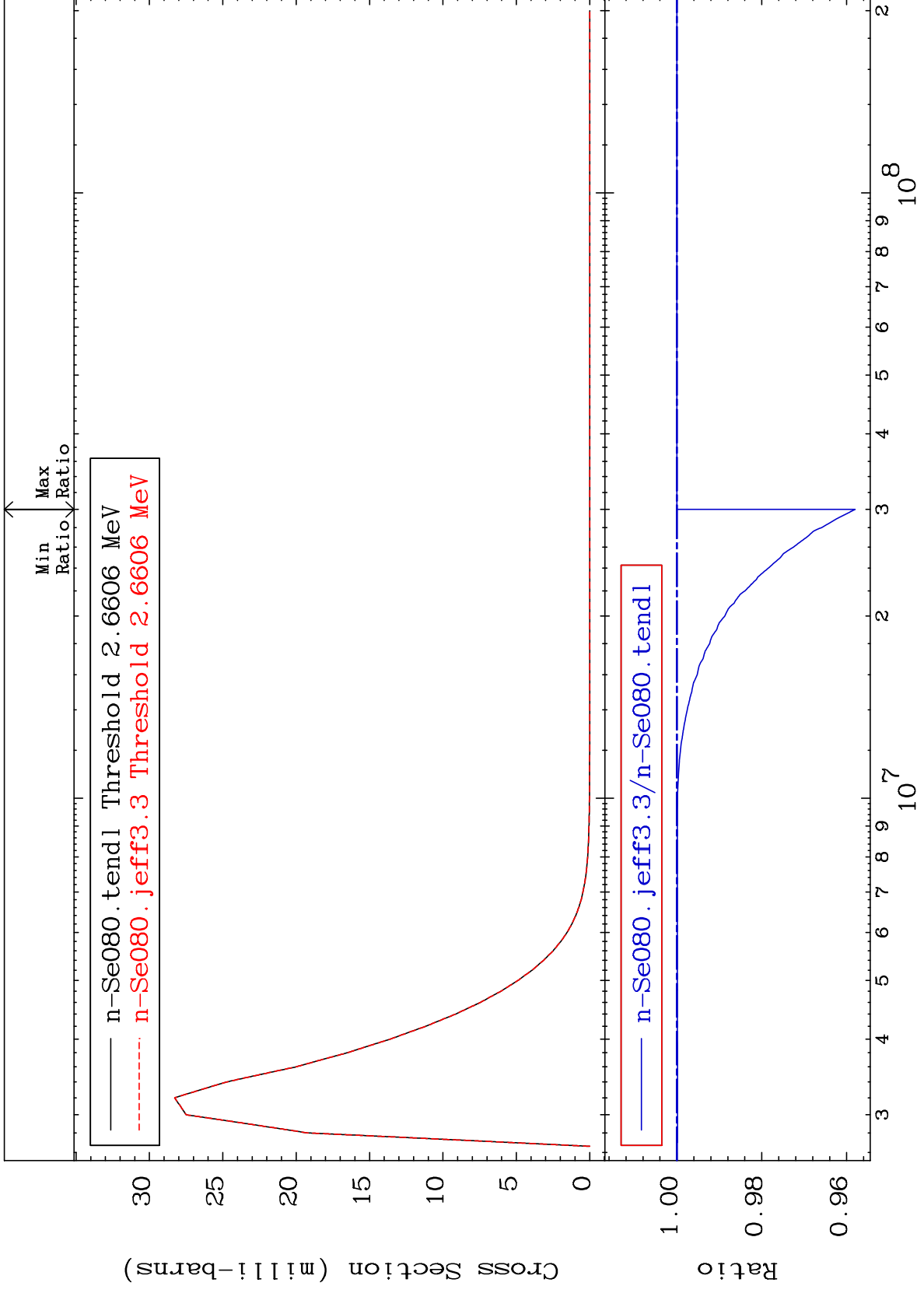
34-Se-80  
-0.019 To 0.000 %



MAT 3443

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

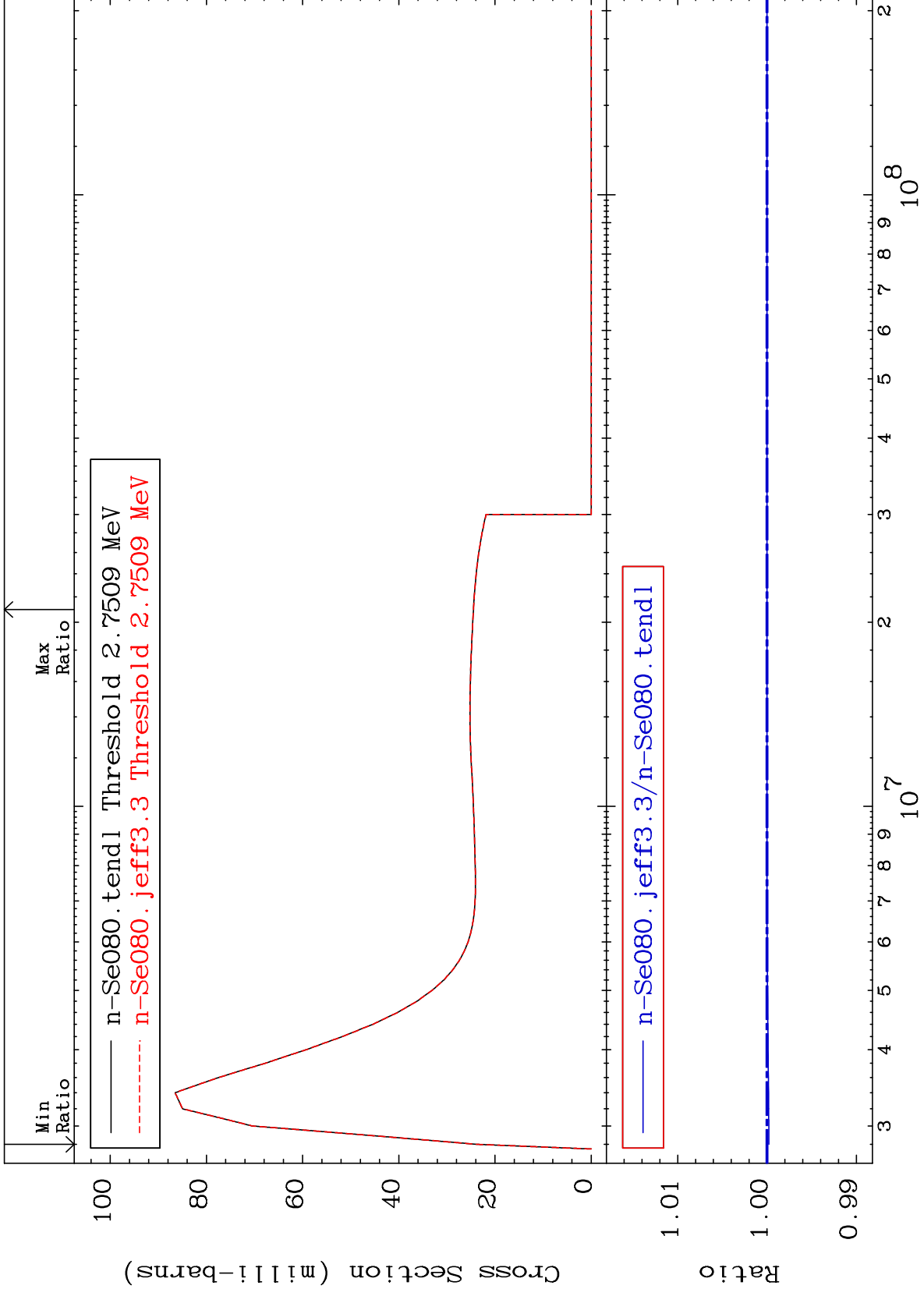
34-Se-80  
-4.199 To 0.000 %



MAT 3443

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

34-Se-80  
-0.021 To 0.000 %

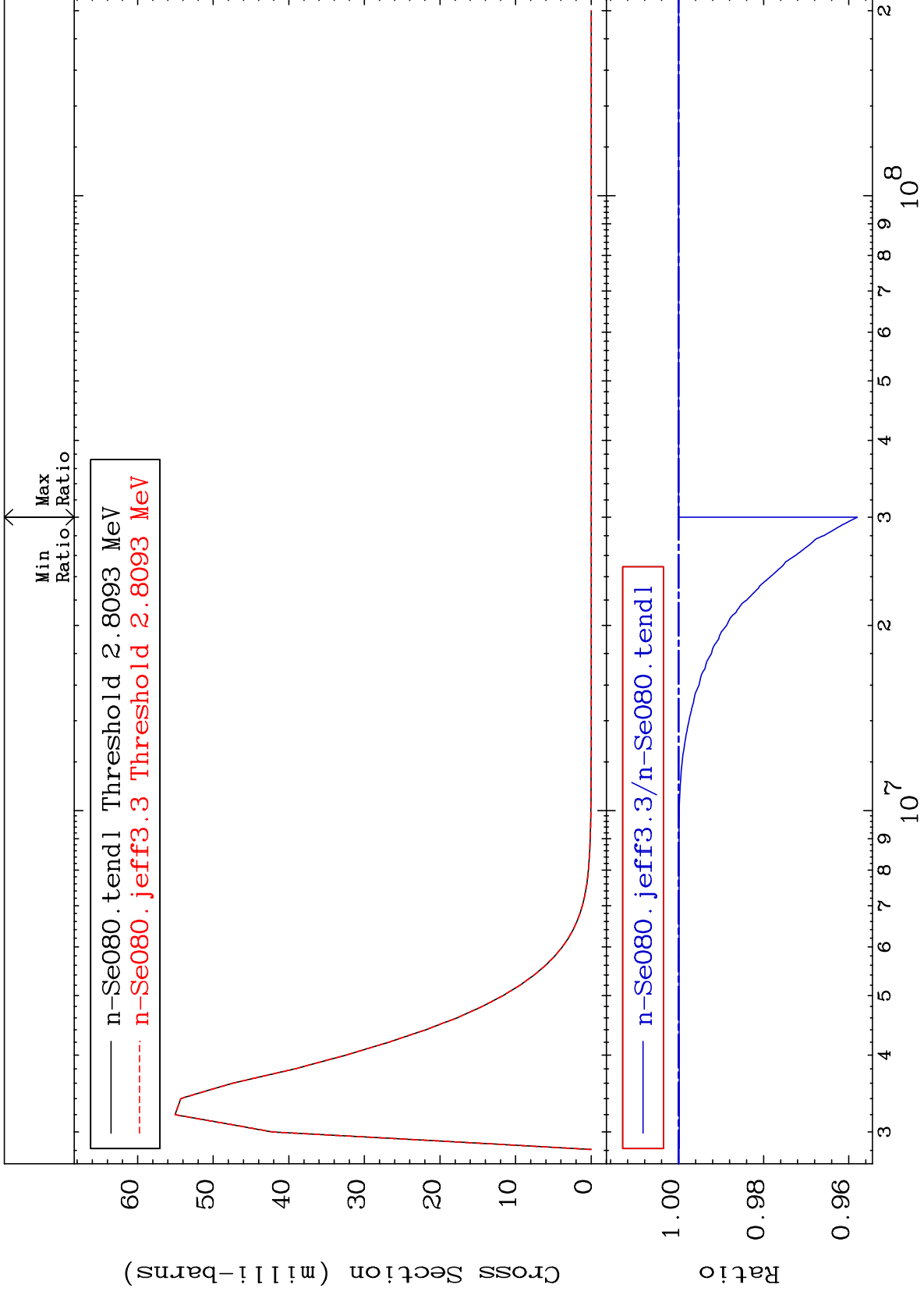




MAT 3443

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

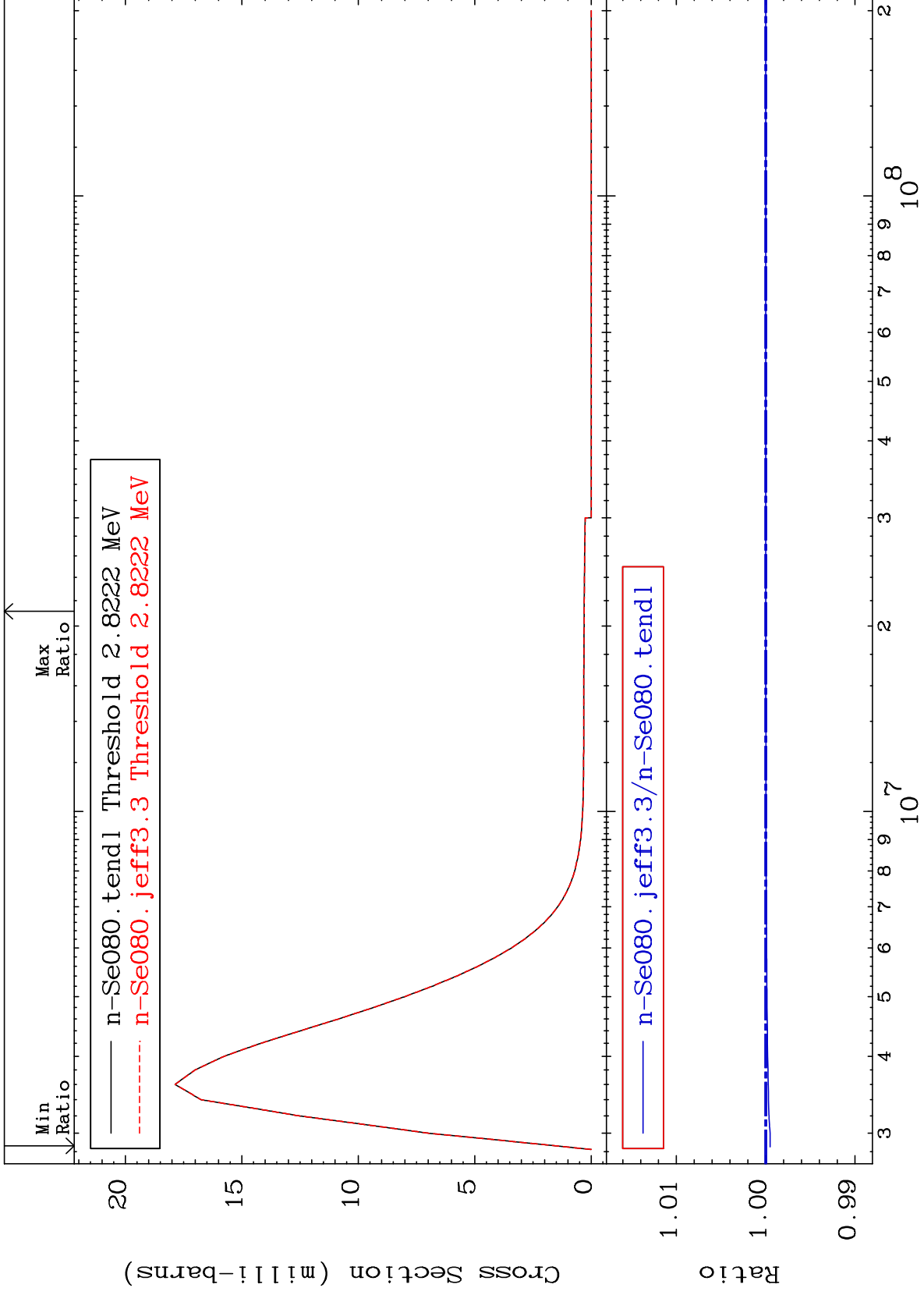
34-Se-80  
-4.202 To 0.000 %



MAT 3443

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

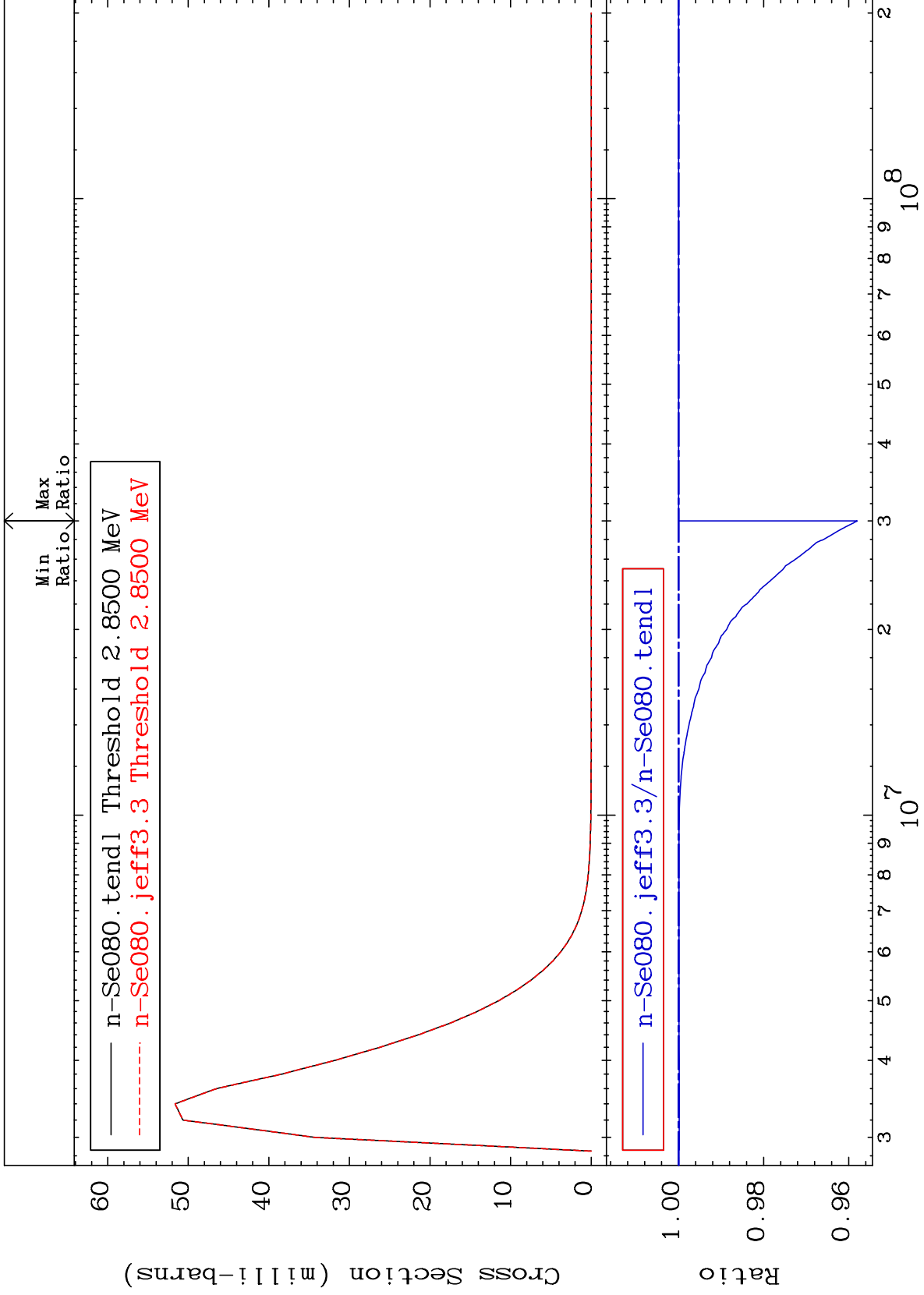
34-Se-80  
-0.050 To 0.000 %



MAT 3443

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

34-Se-80  
-4.202 To 0.000 %



35

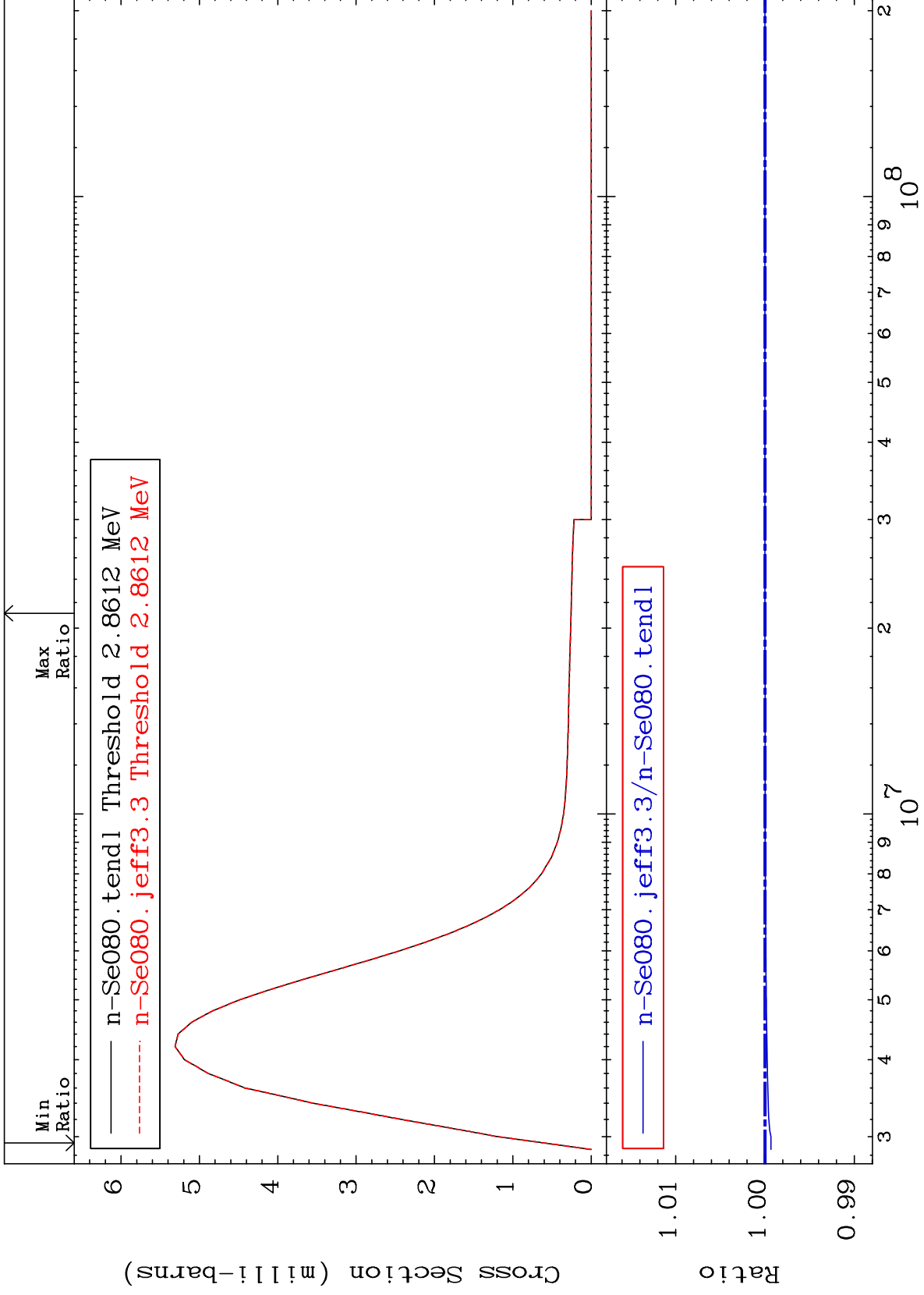
Incident Energy (eV)

34-Se-80

MAT 3443

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

34-Se-80  
-0.067 To 0.000 %



36

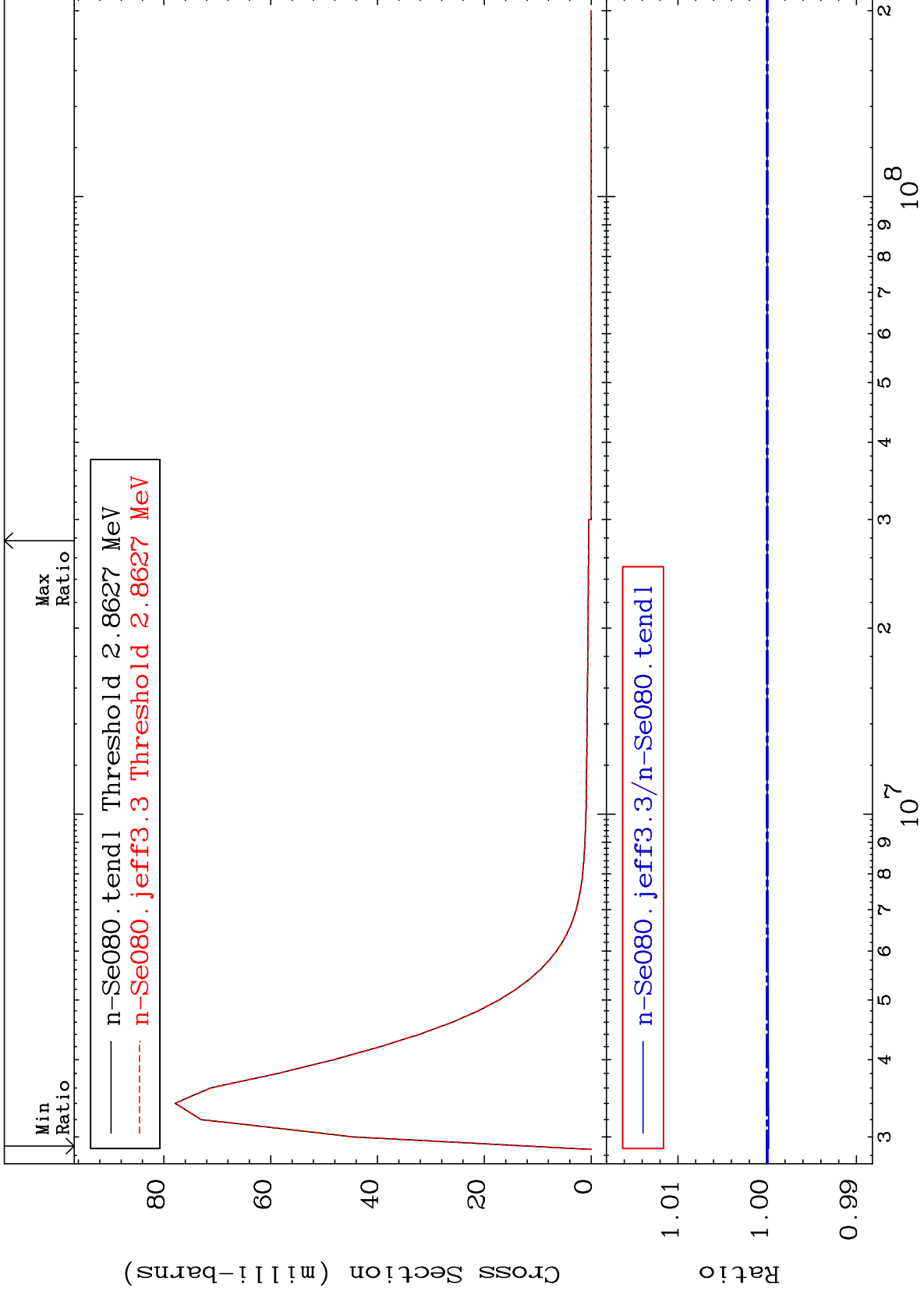
Incident Energy (eV)

34-Se-80

MAT 3443

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

34-Se-80  
-0.017 To 0.000 %



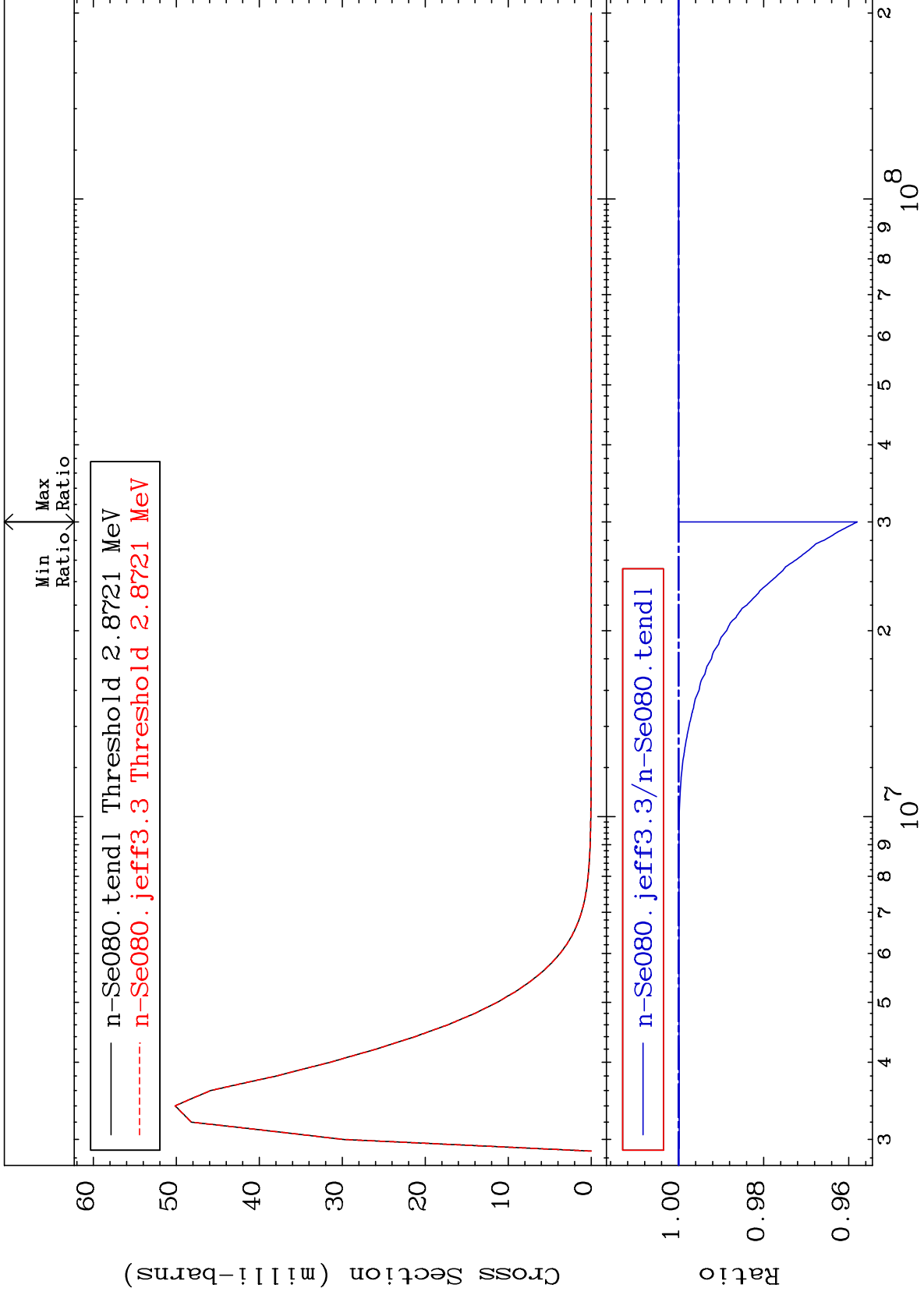
37

34-Se-80

MAT 3443

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

34-Se-80  
-4.202 To 0.000 %



38

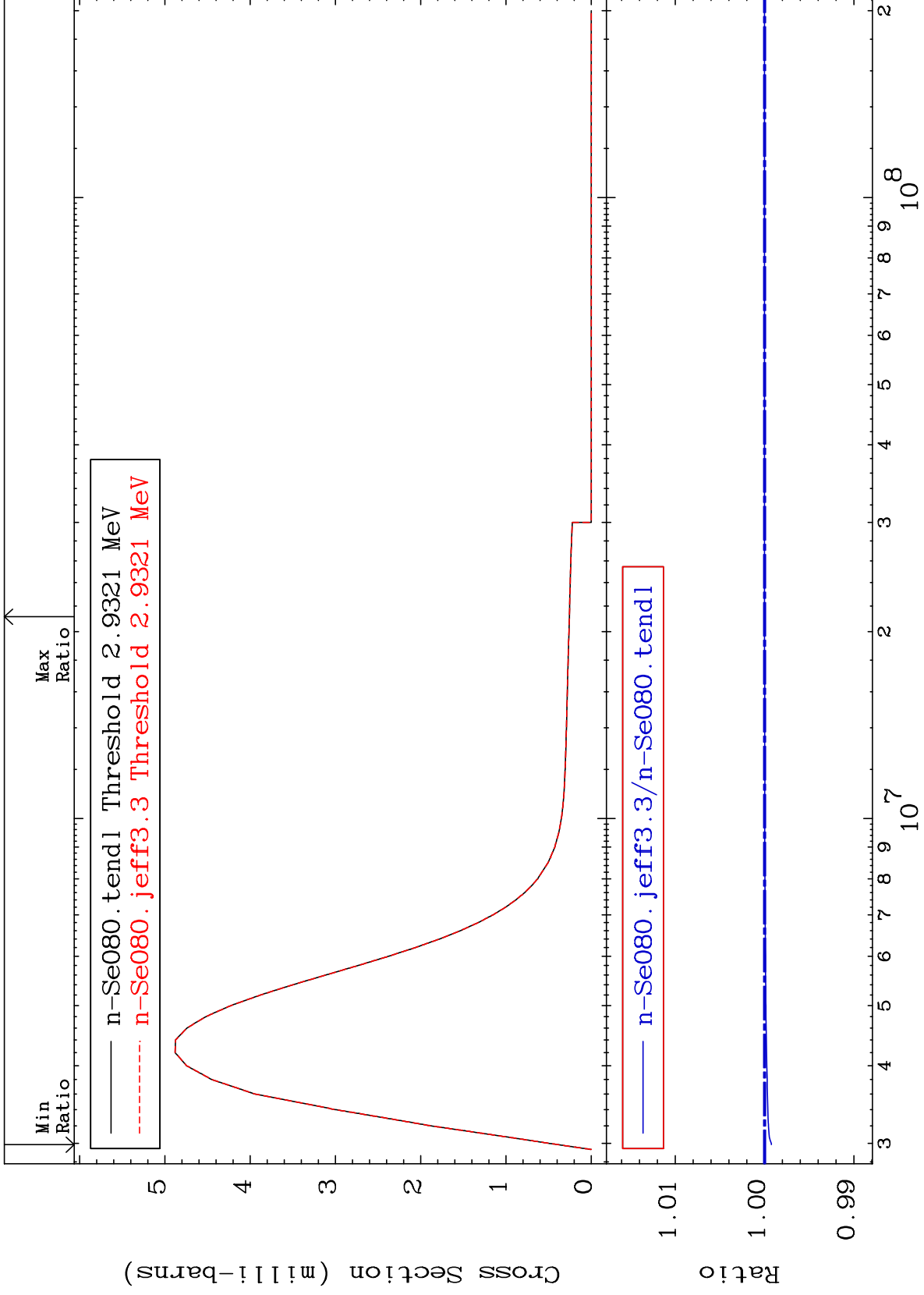
Incident Energy (eV)

34-Se-80

MAT 3443

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

34-Se-80  
-0.075 To 0.000 %



39

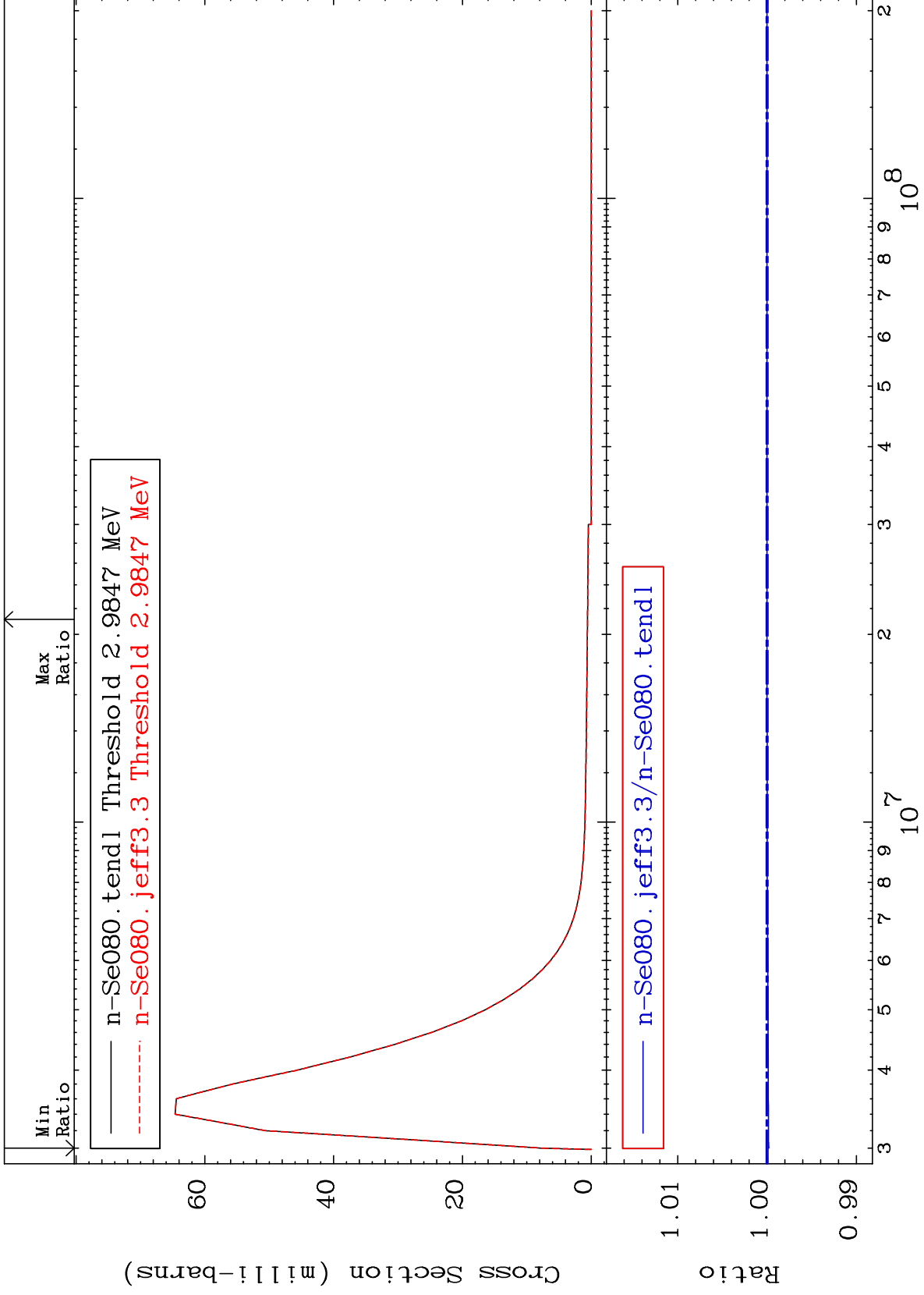
Incident Energy (eV)

34-Se-80

MAT 3443

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

34-Se-80  
-0.020 To 0.000 %



40

Incident Energy (eV)

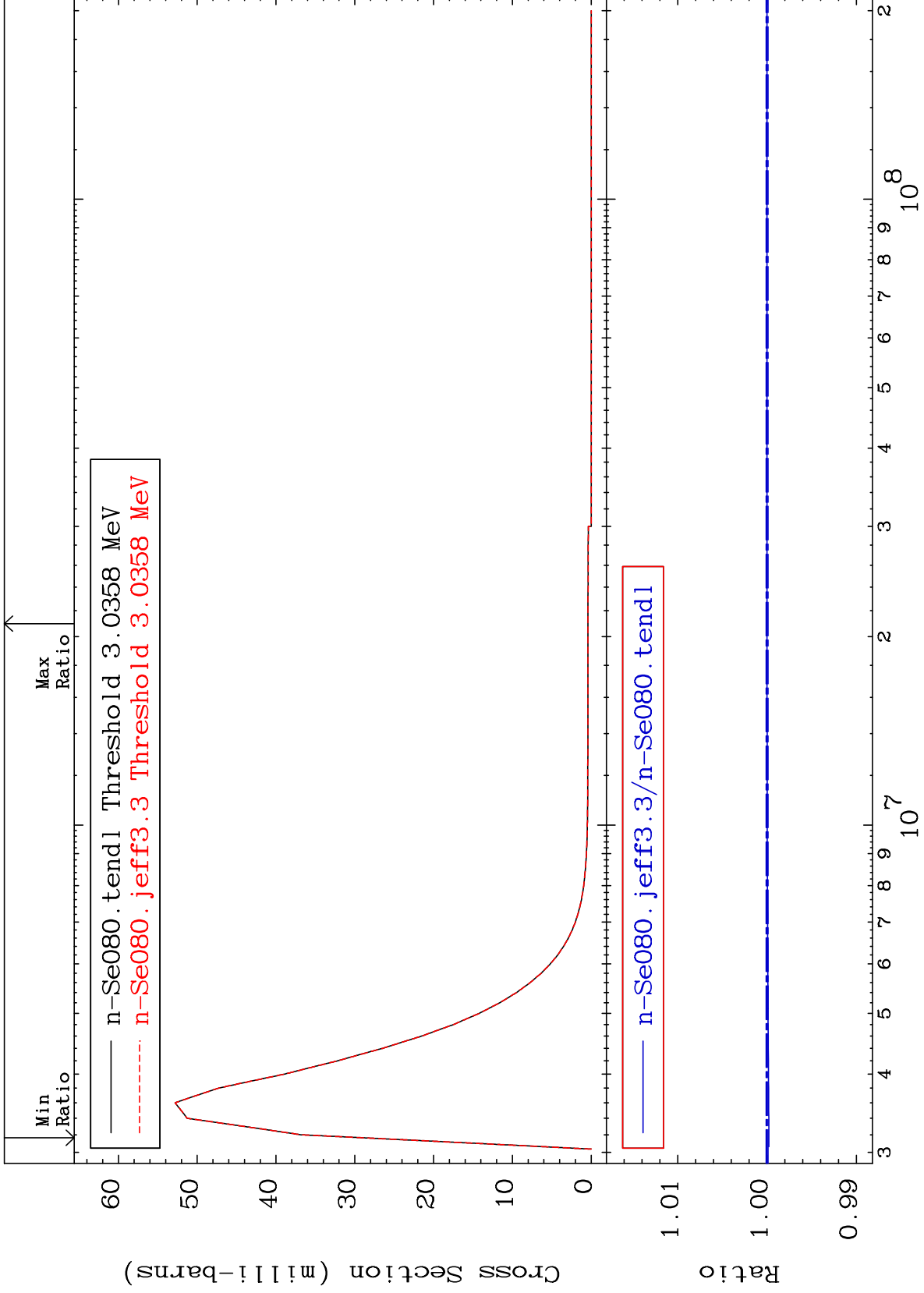
34-Se-80



MAT 3443

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

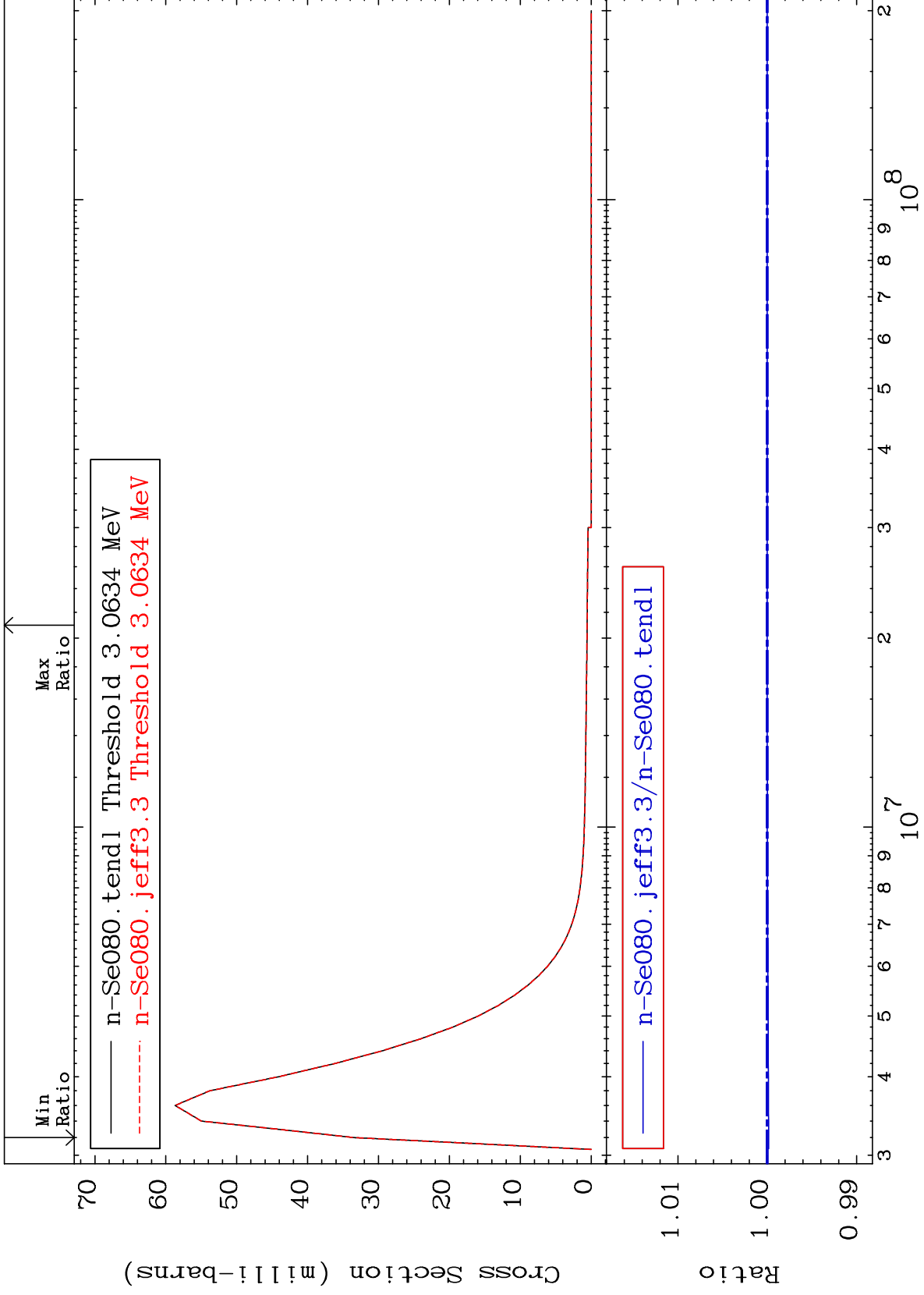
34-Se-80  
-0.020 To 0.000 %



MAT 3443

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

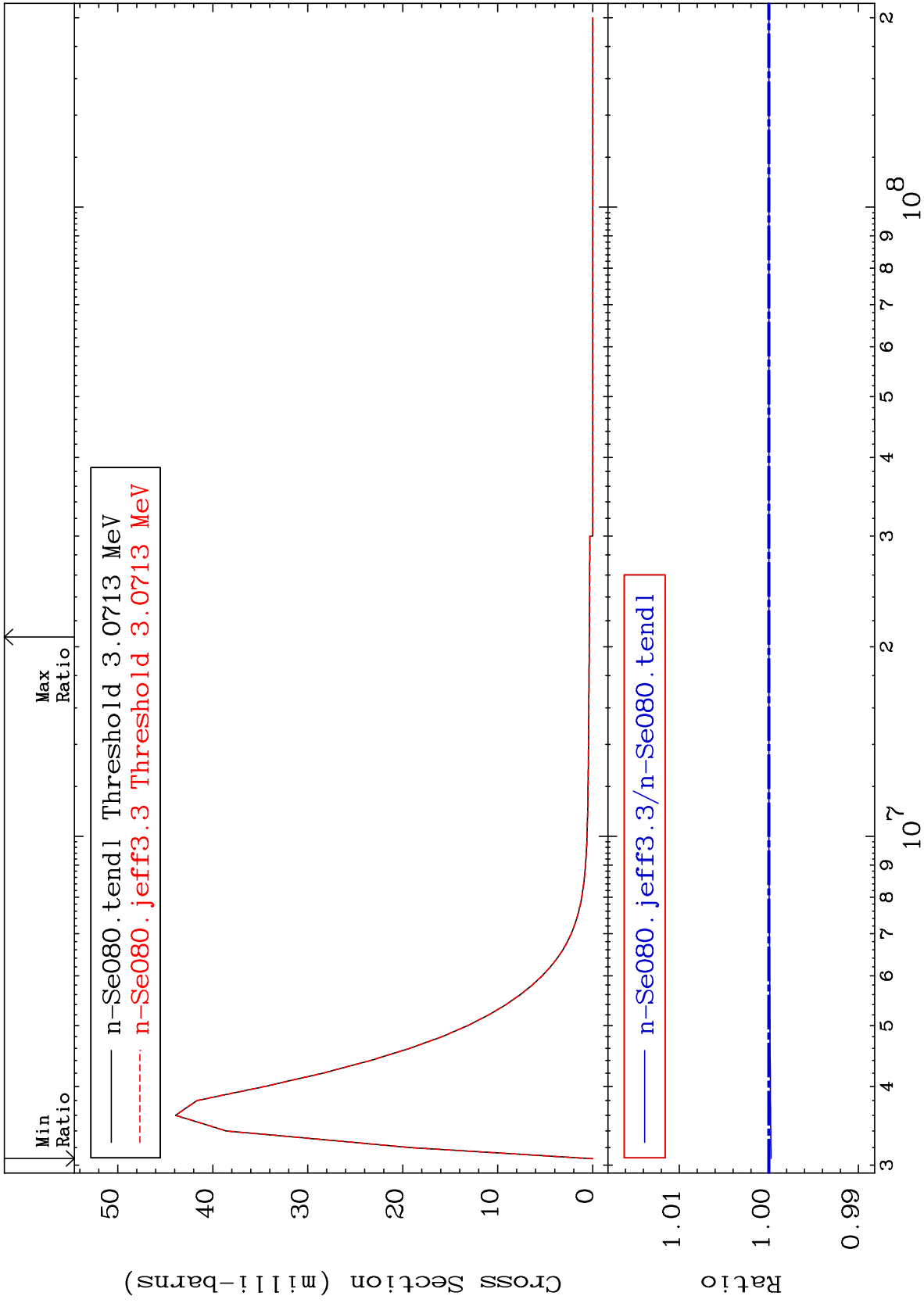
34-Se-80  
-0.016 To 0.000 %



MAT 3443

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

34-Se-80  
-0.023 To 0.000 %



43

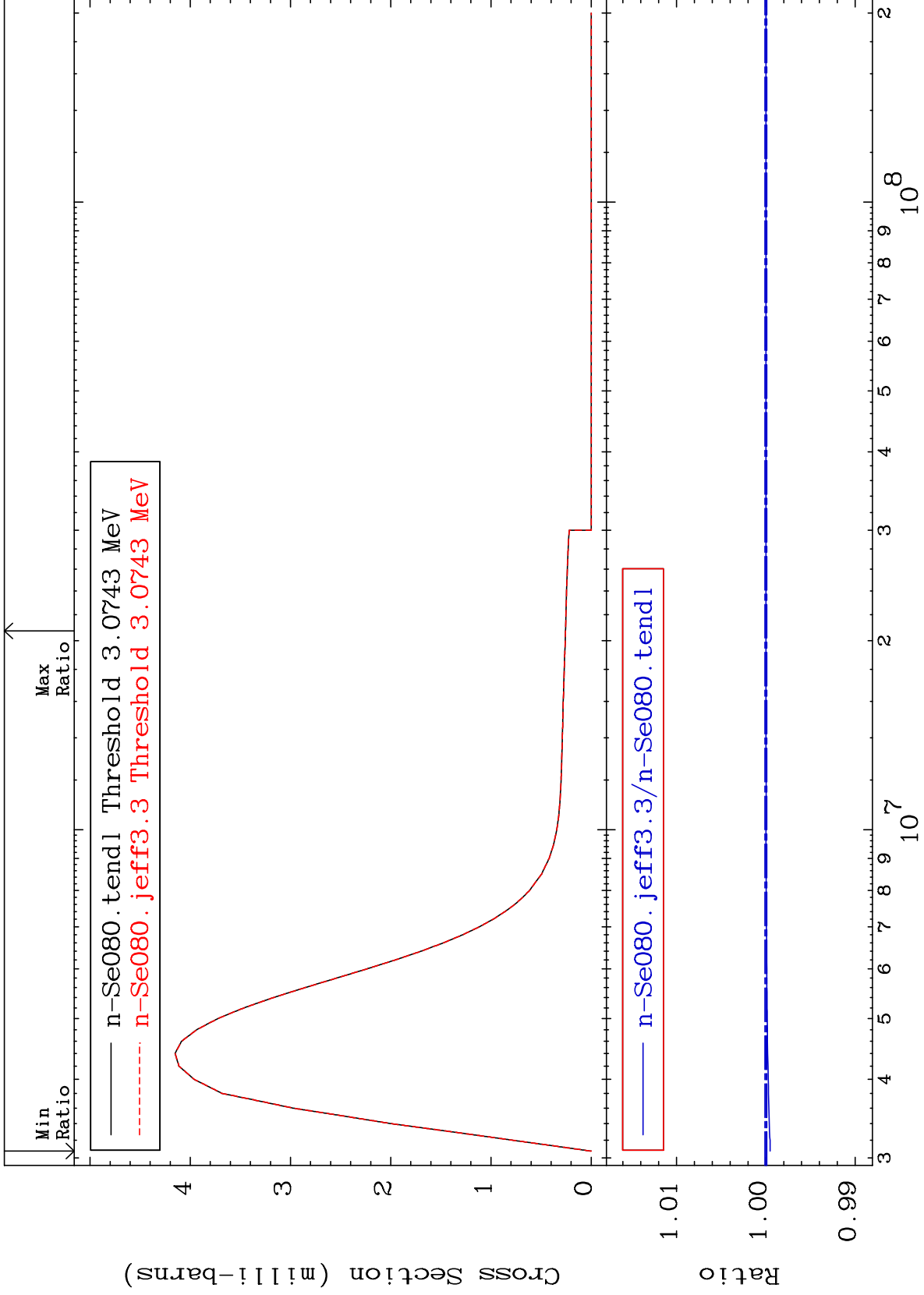
Incident Energy (eV)

34-Se-80

MAT 3443

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

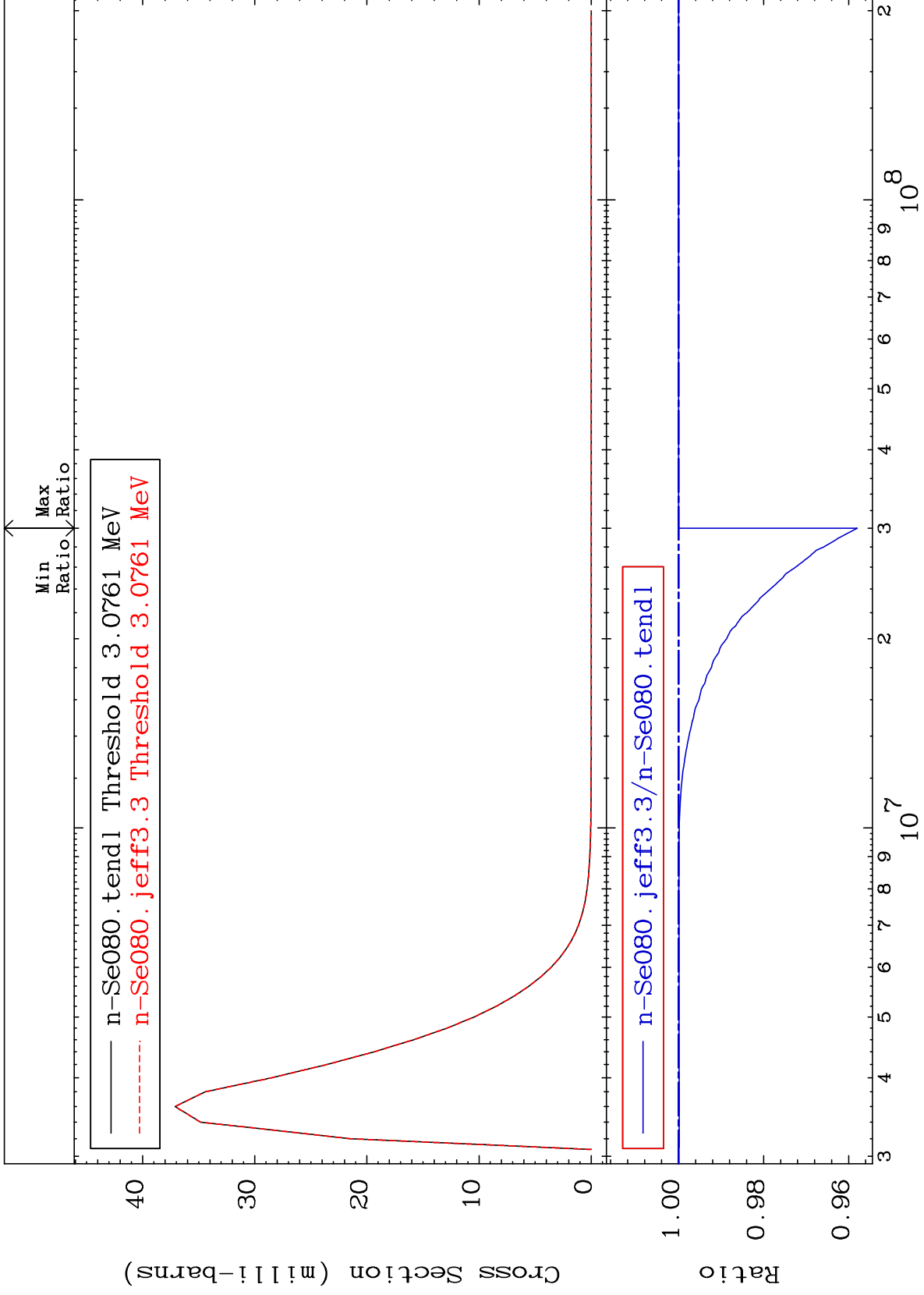
34-Se-80  
-0.047 To 0.000 %



MAT 3443

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

34-Se-80  
-4.202 To 0.000 %



45

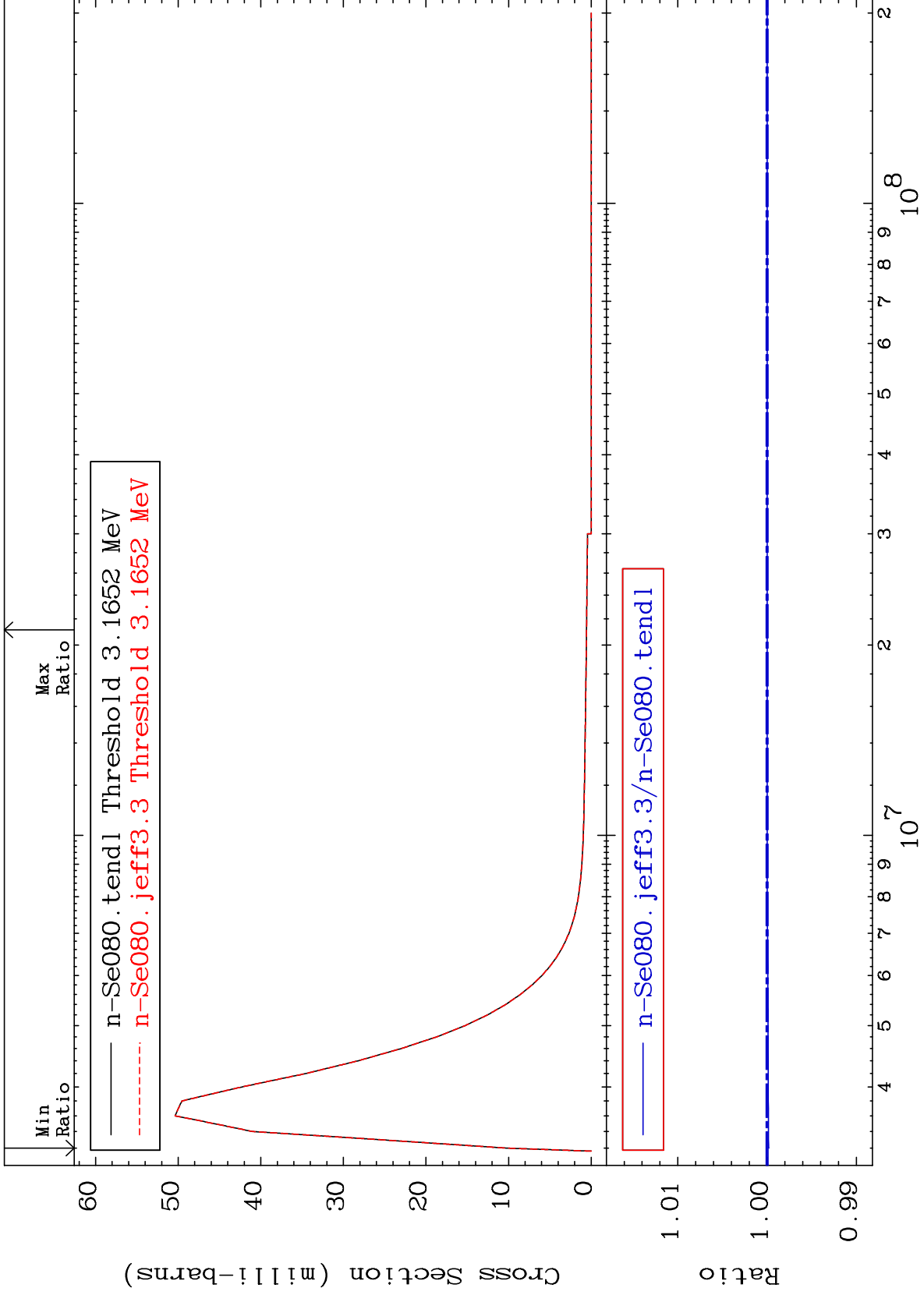
Incident Energy (eV)

34-Se-80

MAT 3443

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

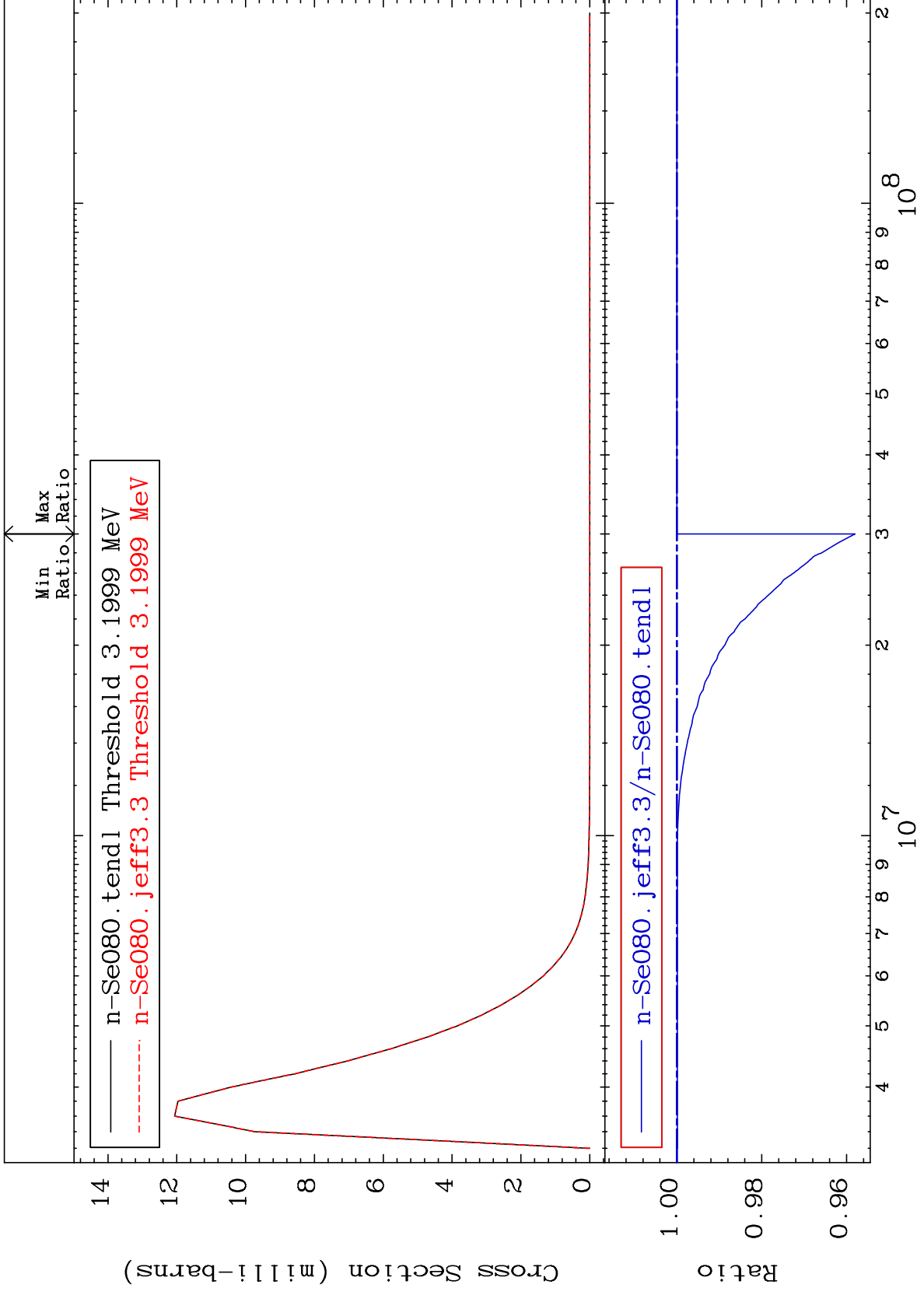
34-Se-80  
-0.019 To 0.000 %



MAT 3443

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

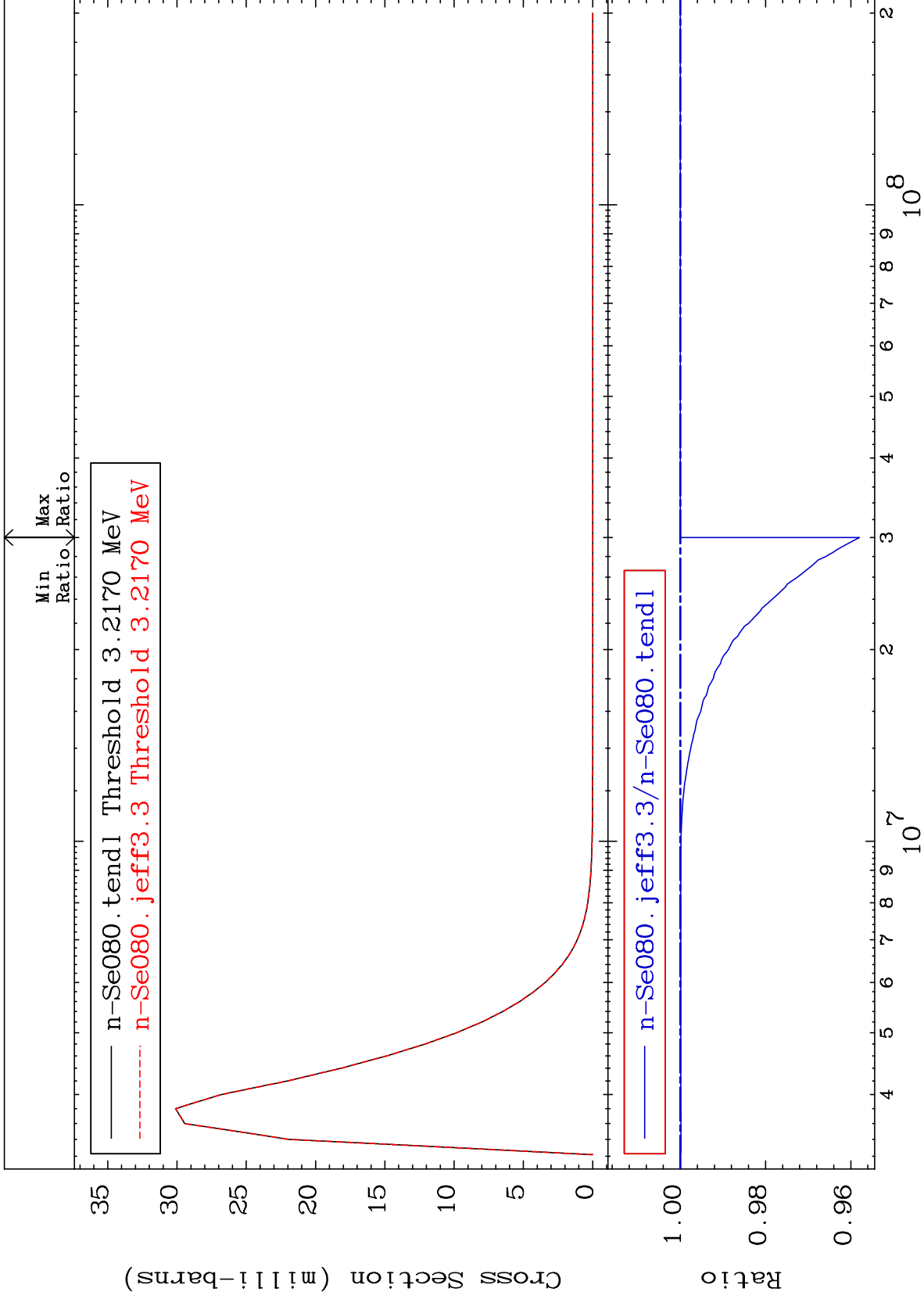
34-Se-80  
-4.199 To 0.000 %



MAT 3443

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

34-Se-80  
-4.202 To 0.000 %



48

Incident Energy (eV)

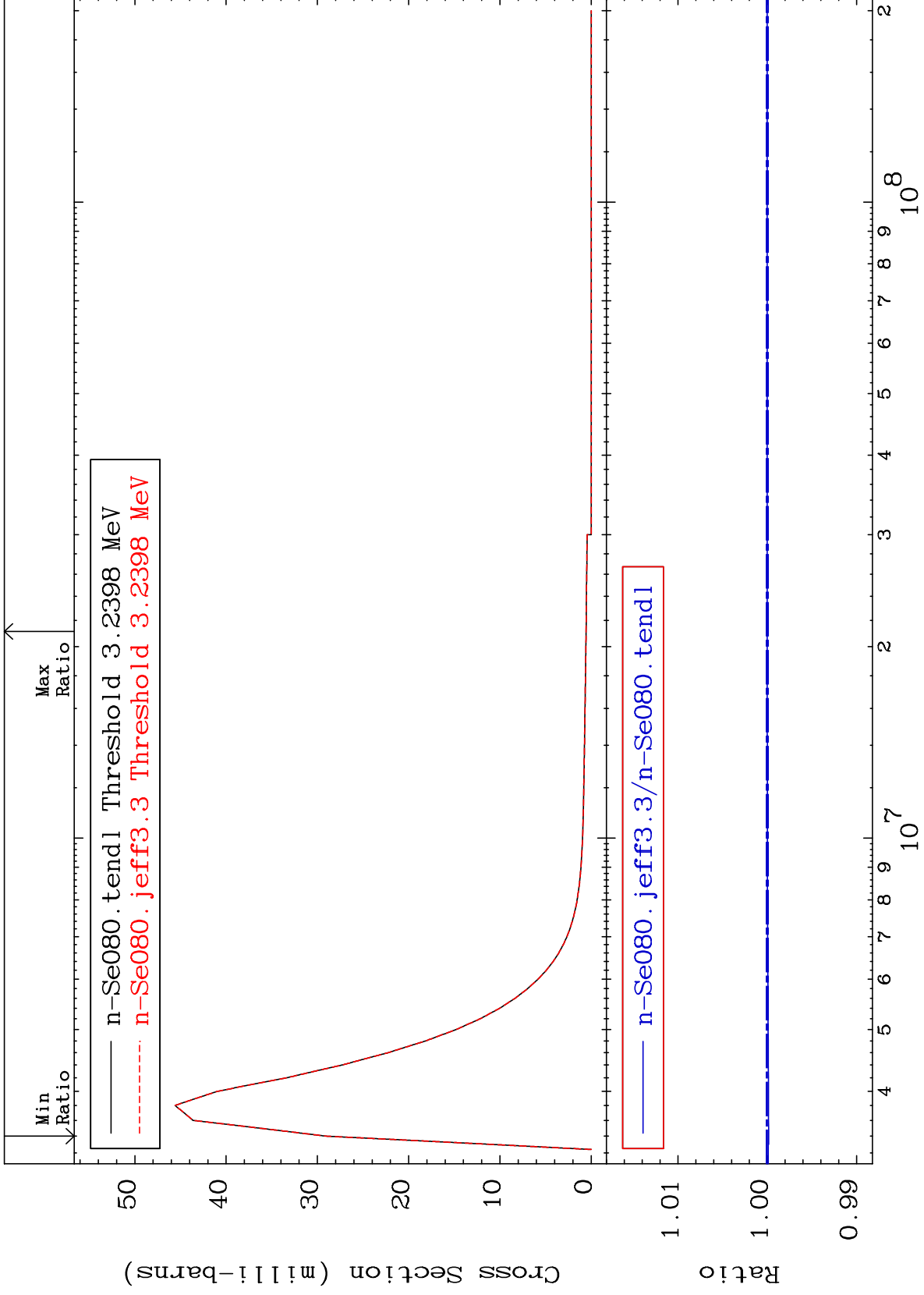
34-Se-80



MAT 3443

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

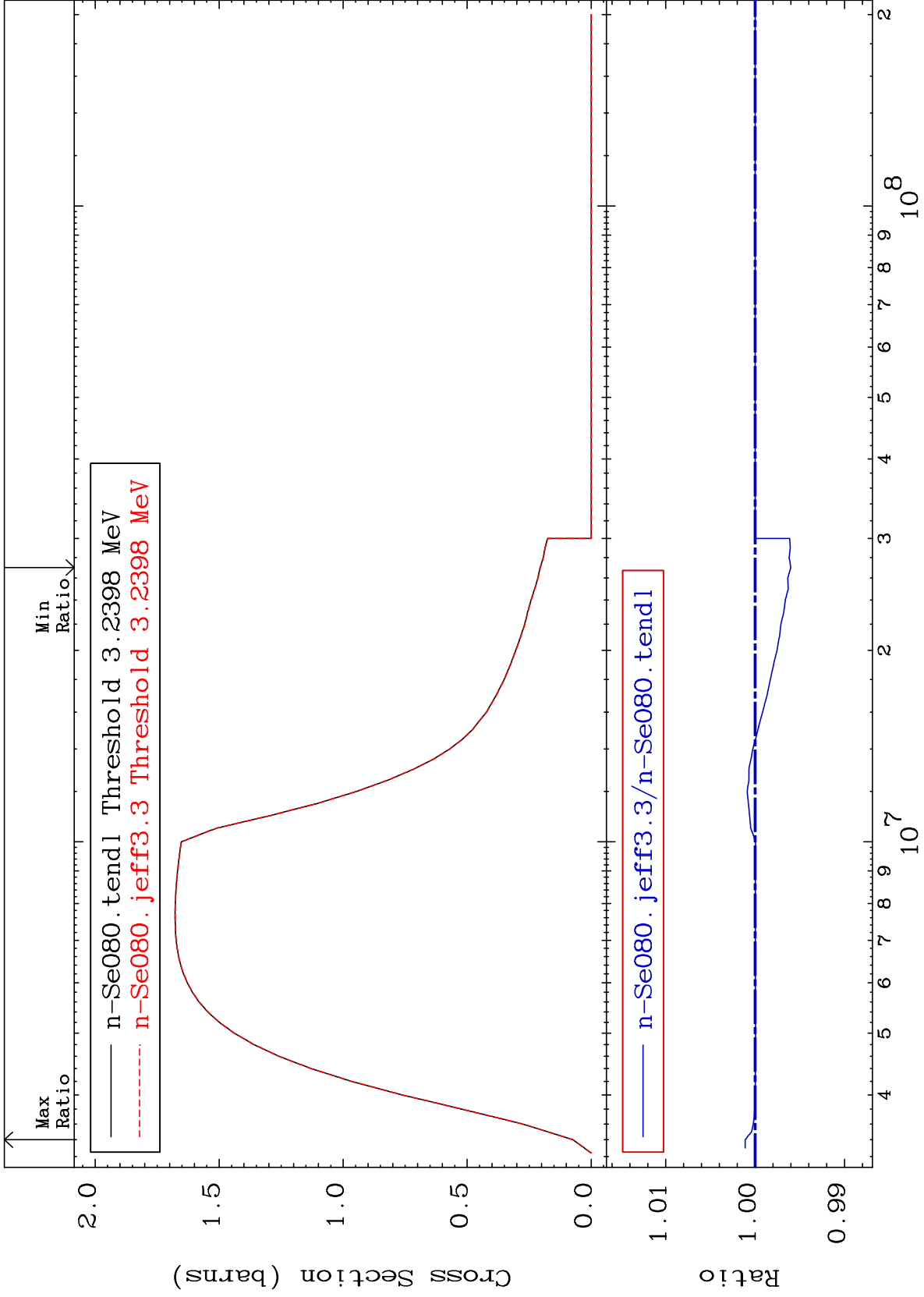
34-Se-80  
-0.015 To 0.000 %

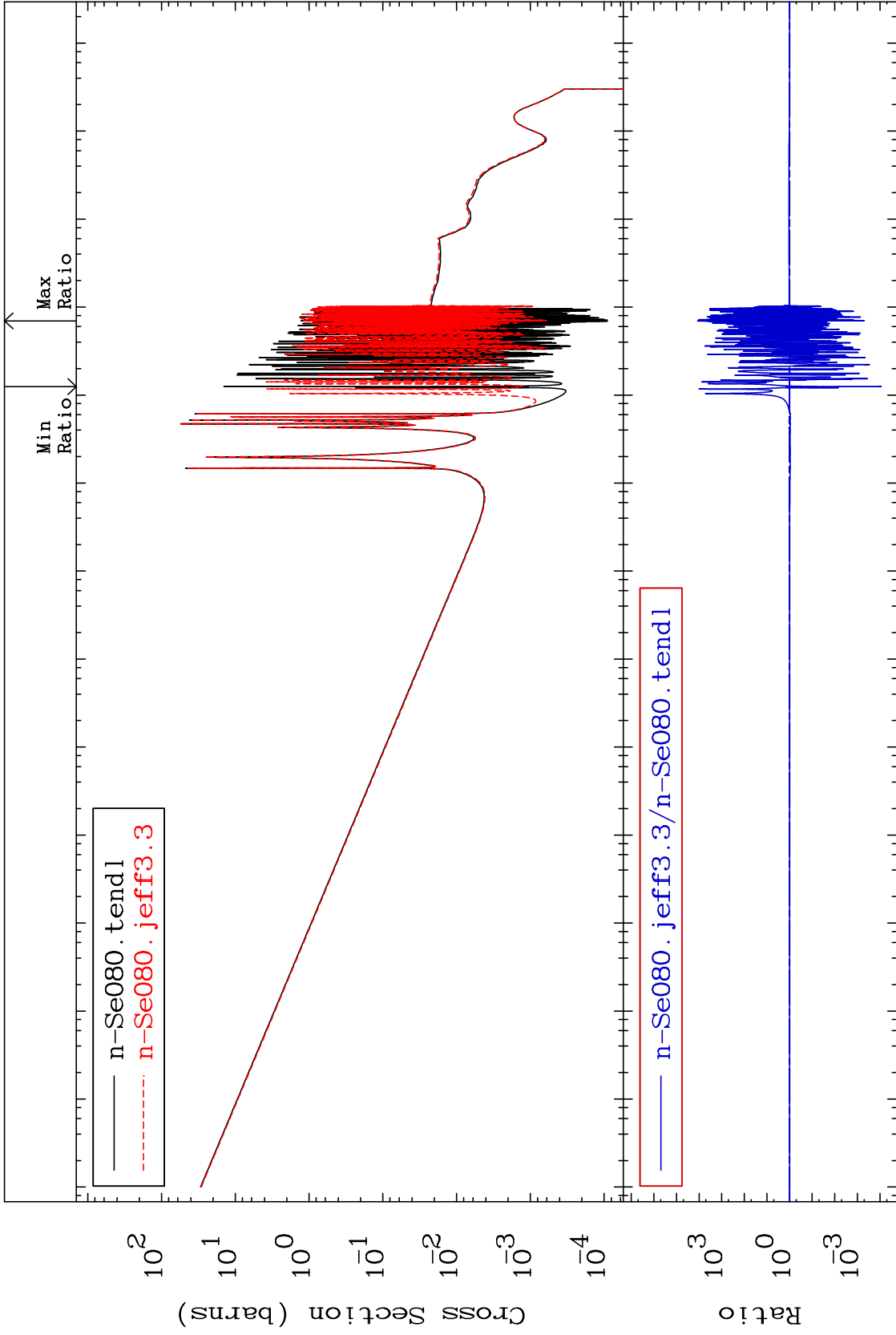


MAT 3443

(n, n') Continuum  
Cross Section

<sup>34</sup>Se-80  
-0.398 To 0.113 %





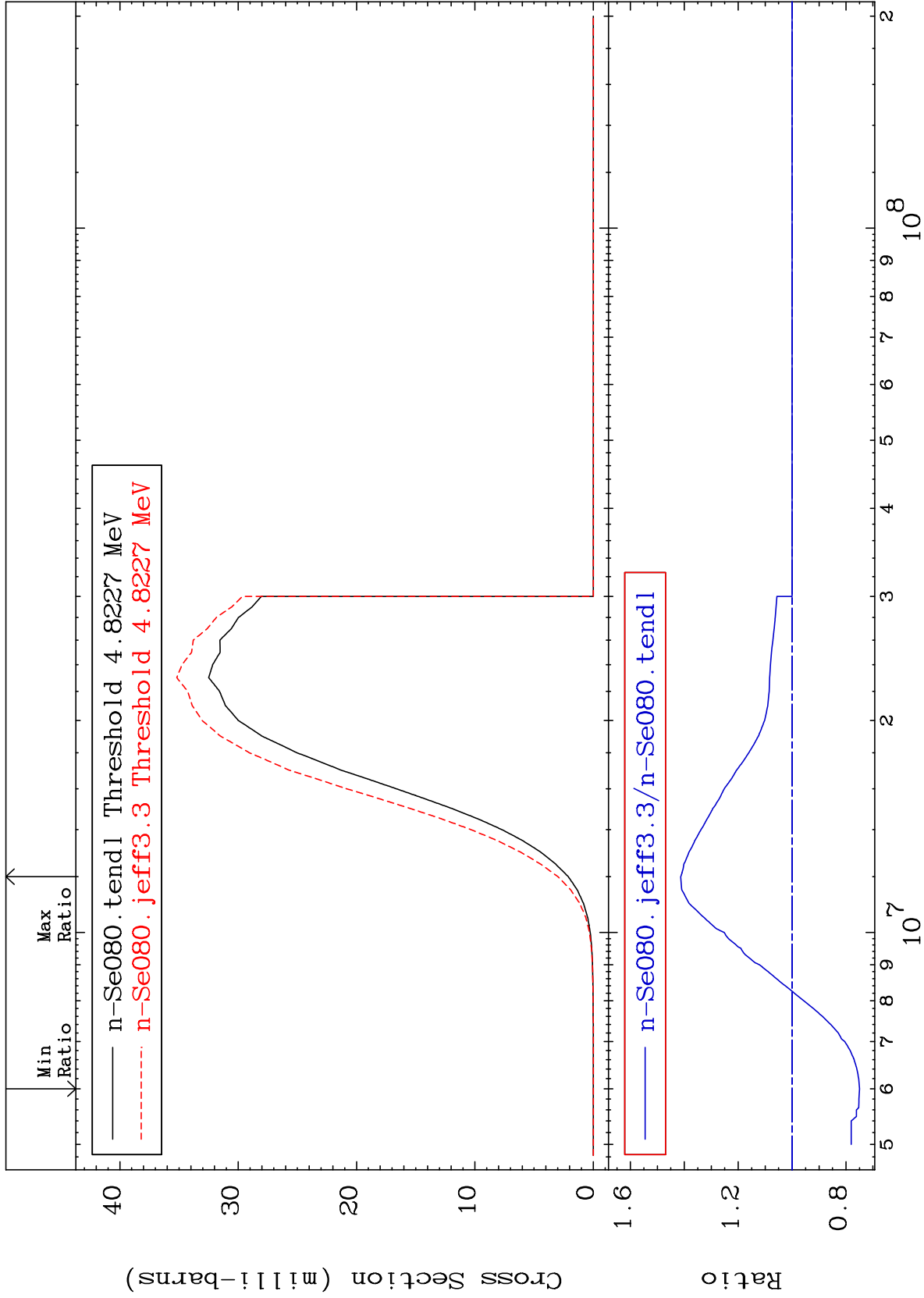
MAT 3443

(n,p)

<sup>34</sup>Se-80

Cross Section

-25.02 To 41.31 %



52

Incident Energy (eV)

<sup>34</sup>Se-80

MAT 3443

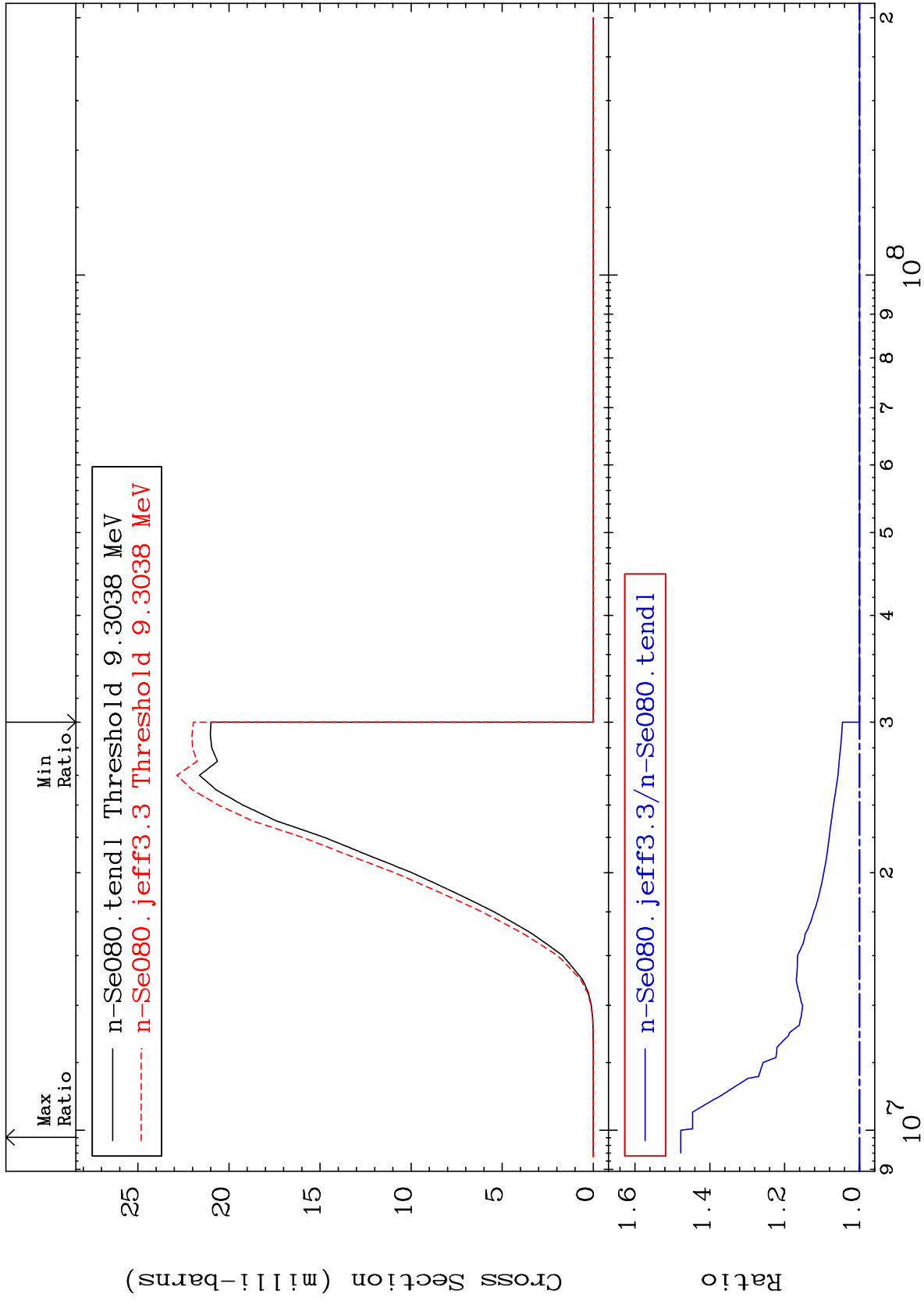
(n, d)

<sup>34</sup>Se-80

Cross Section

0.000

To 47.75 %



53

Incident Energy (eV)

<sup>34</sup>Se-80

MAT 3443

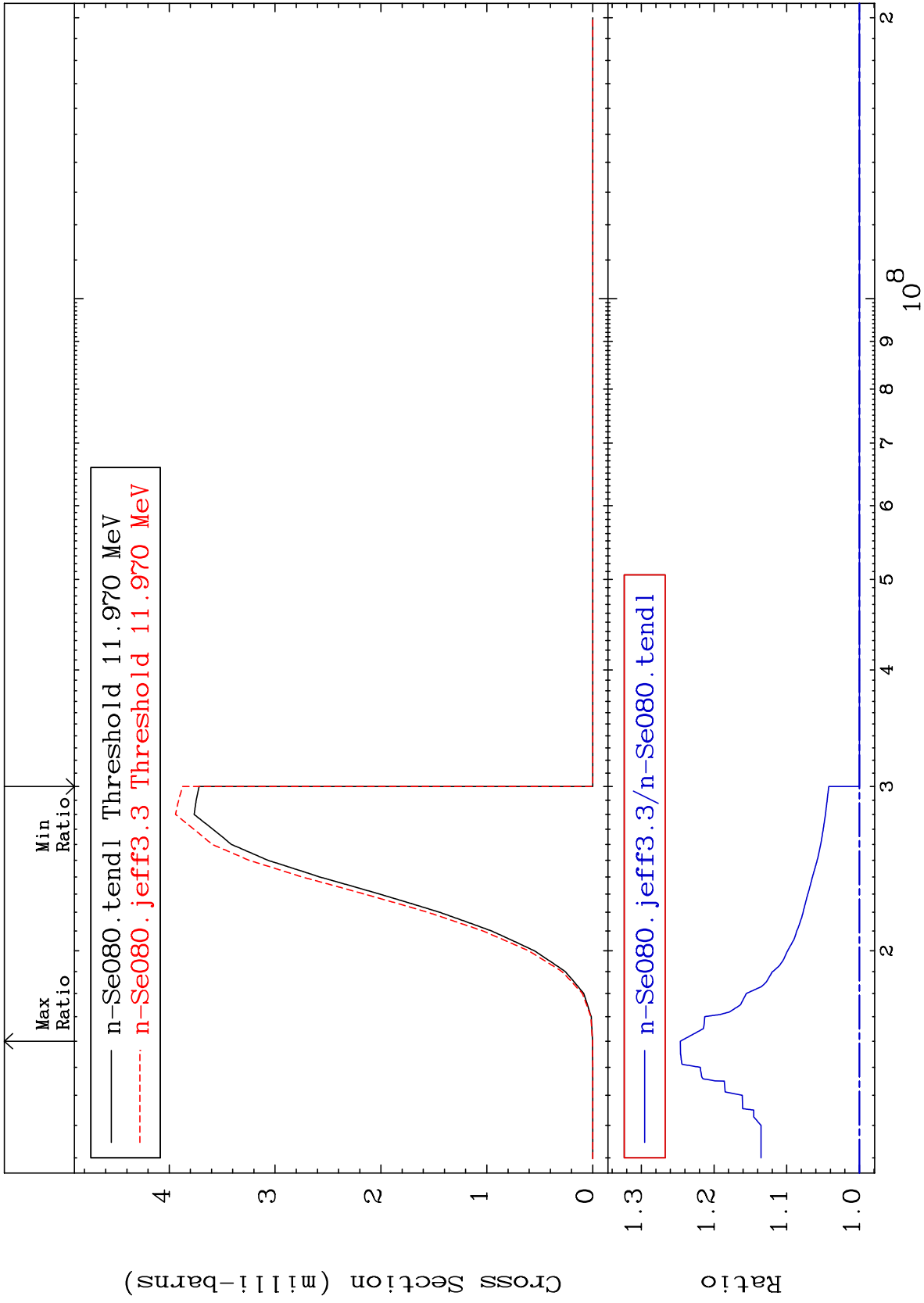
(n, t)

<sup>34</sup>Se-80

Cross Section

0.000

To 24.63 %

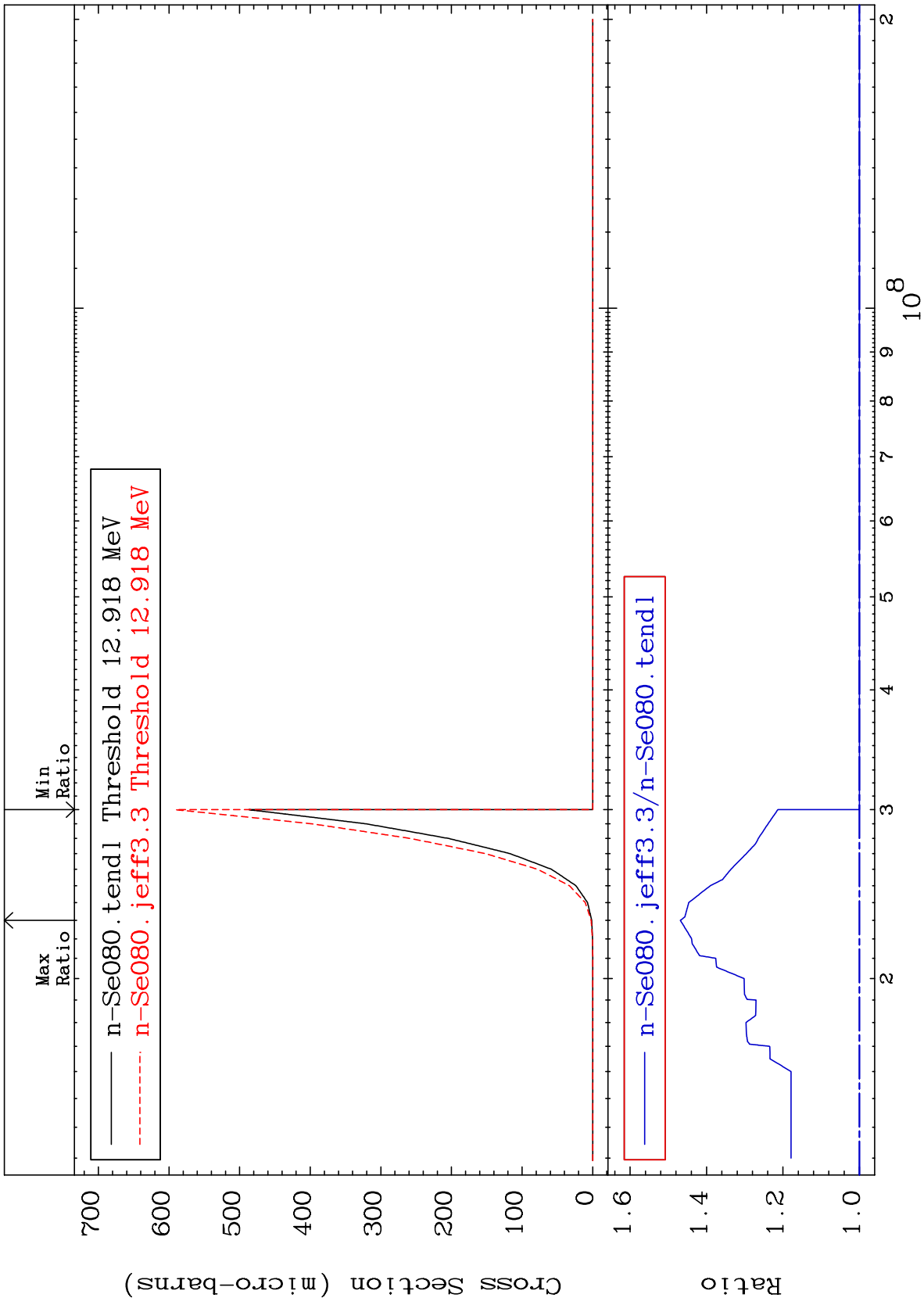


MAT 3443

(n, He-3)

34-Se-80  
To 46.86 %  
0.000

Cross Section



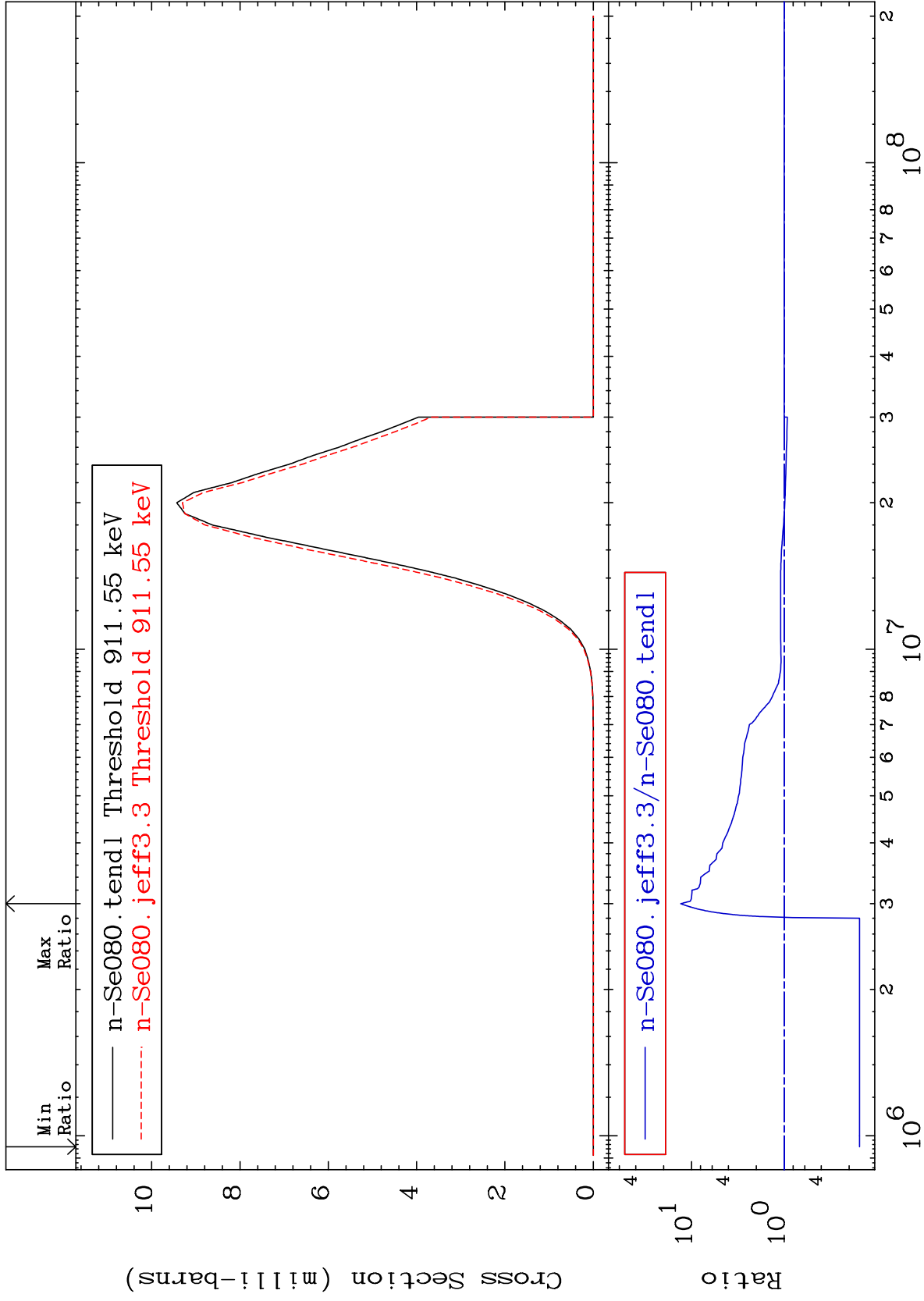
MAT 3443

(n,  $\alpha$ )

<sup>34</sup>Se-80

Cross Section

-84.59 To 1207. %



56

Incident Energy (eV)

<sup>34</sup>Se-80



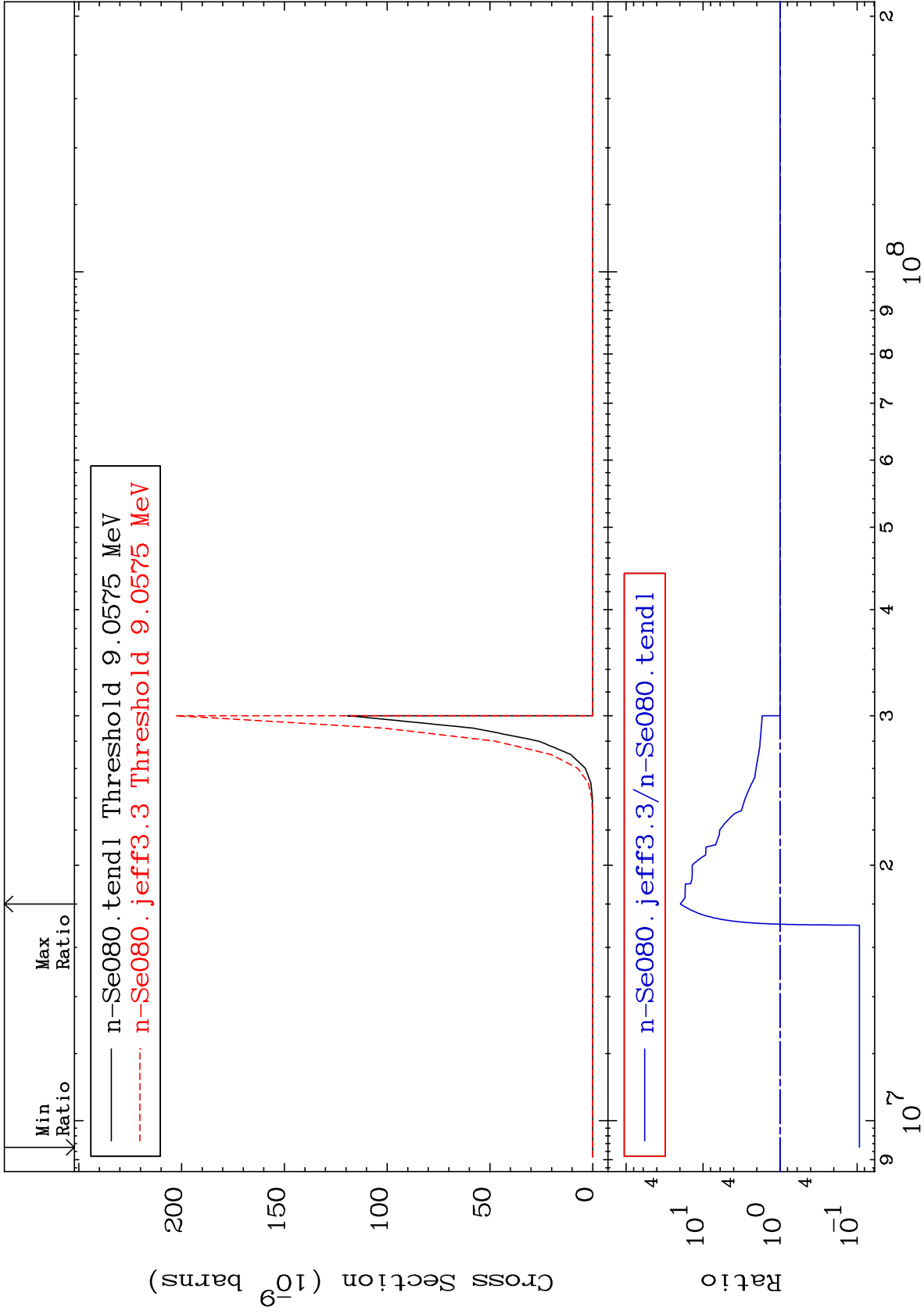
MAT 3443

(n,2α)

<sup>34</sup>Se-80

Cross Section

-90.69 To 1873. %



57

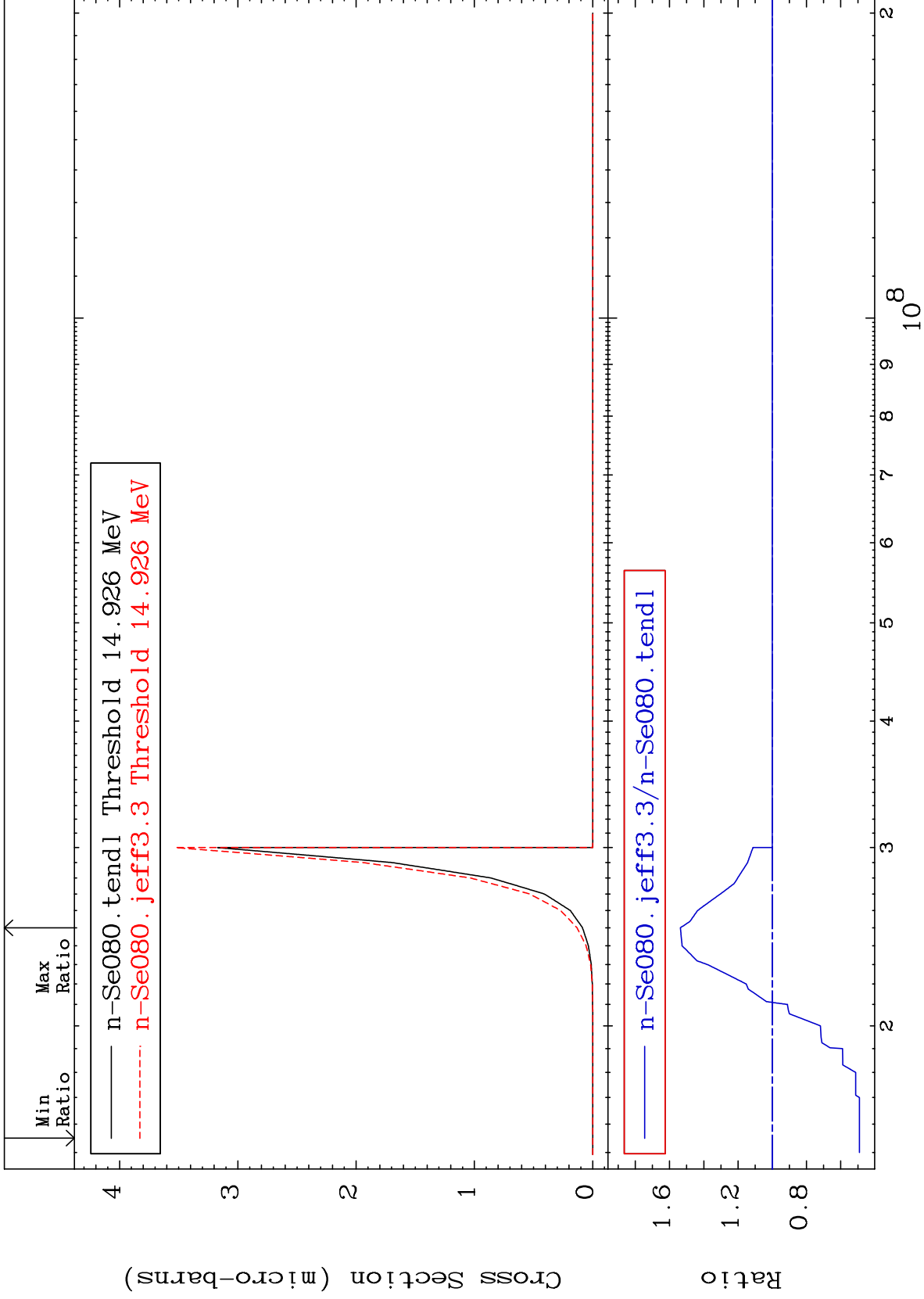
Incident Energy (eV)

<sup>34</sup>Se-80

MAT 3443

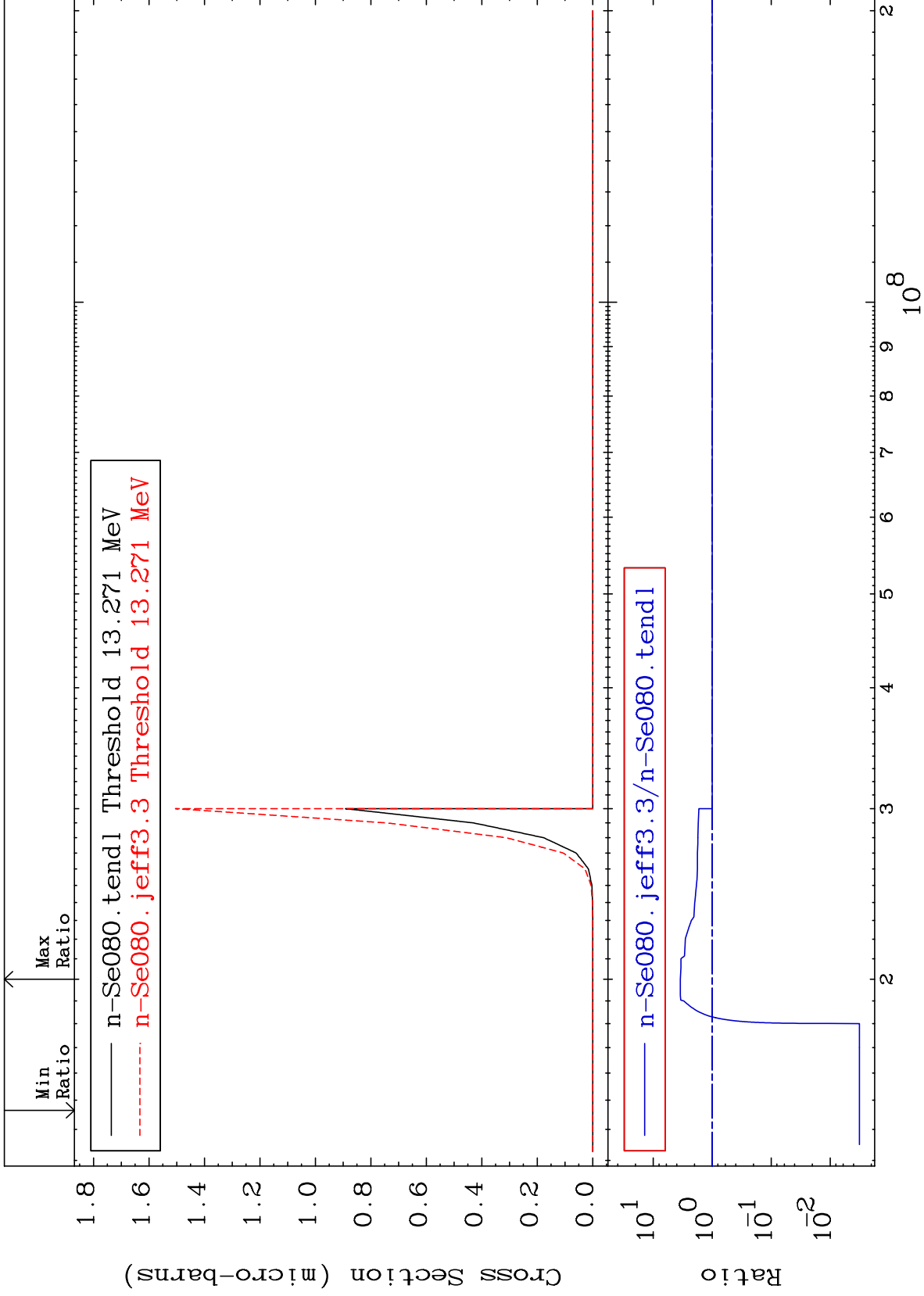
(n,2p)  
Cross Section

<sup>34</sup>Se-80  
-50.91 To 53.68 %



Cross Section

-99.68 To 247.2 %



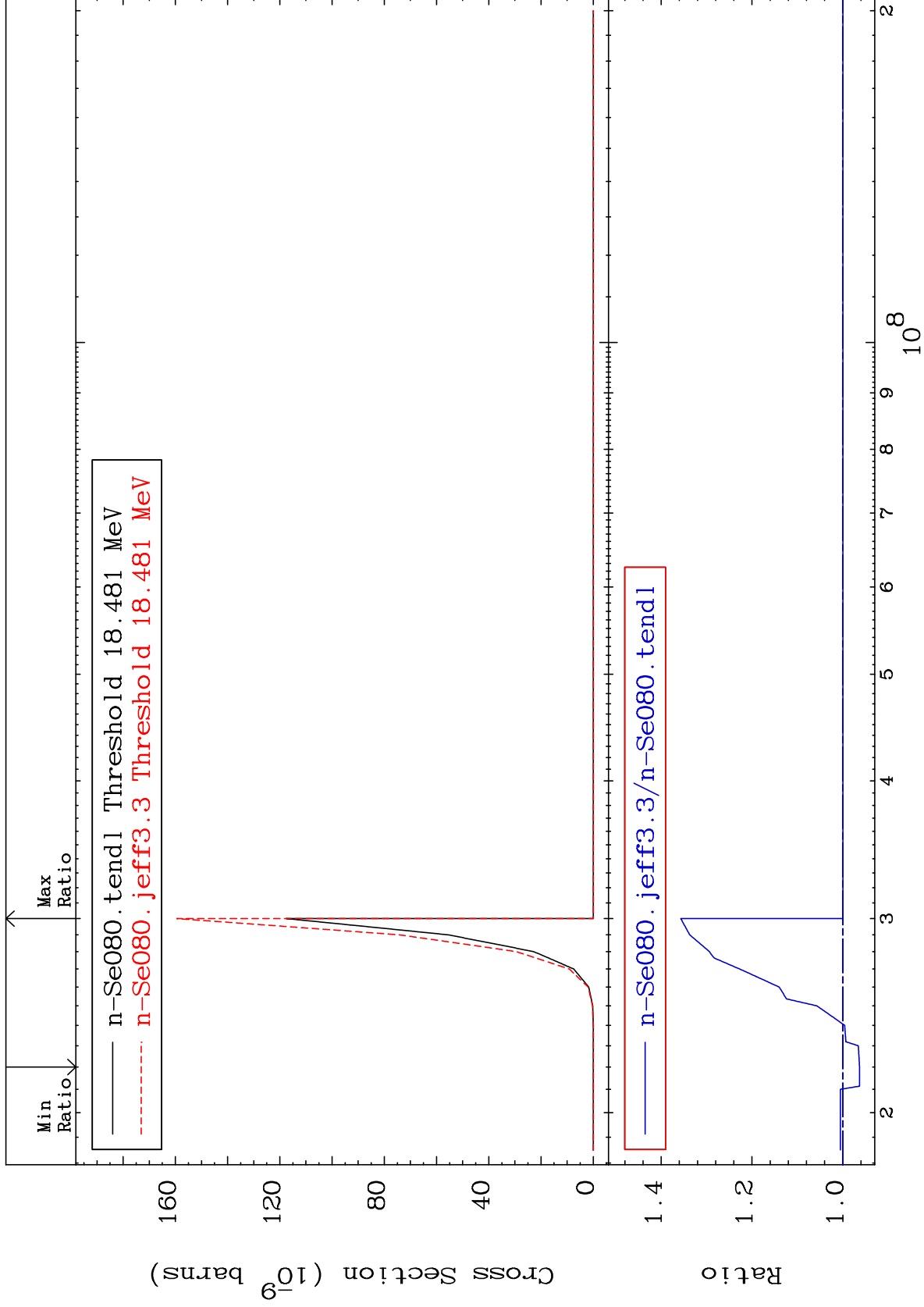
MAT 3443

(n,p) d

<sup>34</sup>Se-80

Cross Section

-3.686 To 35.68 %



60

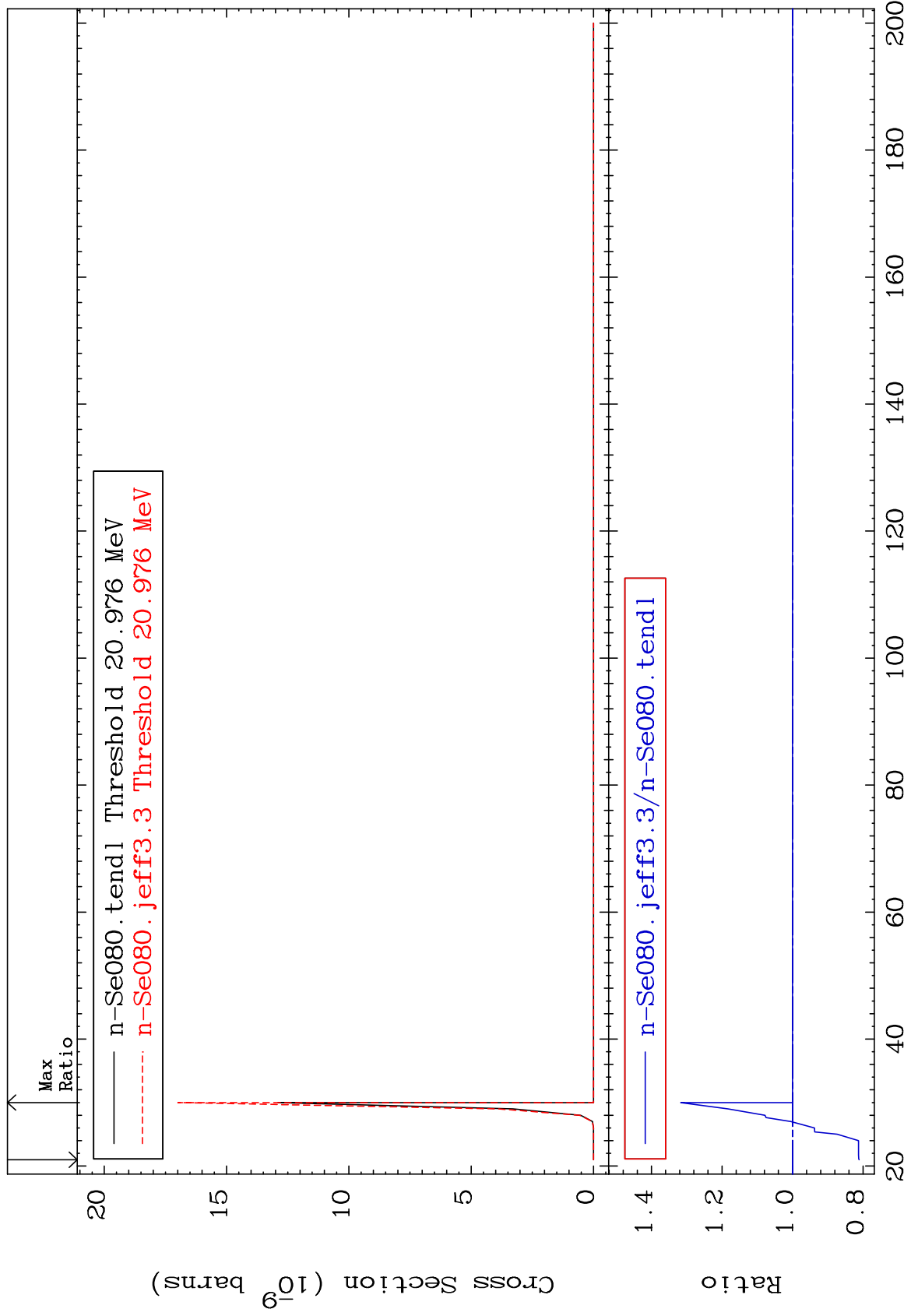
Incident Energy (eV)

<sup>34</sup>Se-80

MAT 3443

(n,p) t  
Cross Section

<sup>34</sup>Se-80  
-18.86 To 31.67 %



61

Incident Energy (MeV)

<sup>34</sup>Se-80

MAT 3443

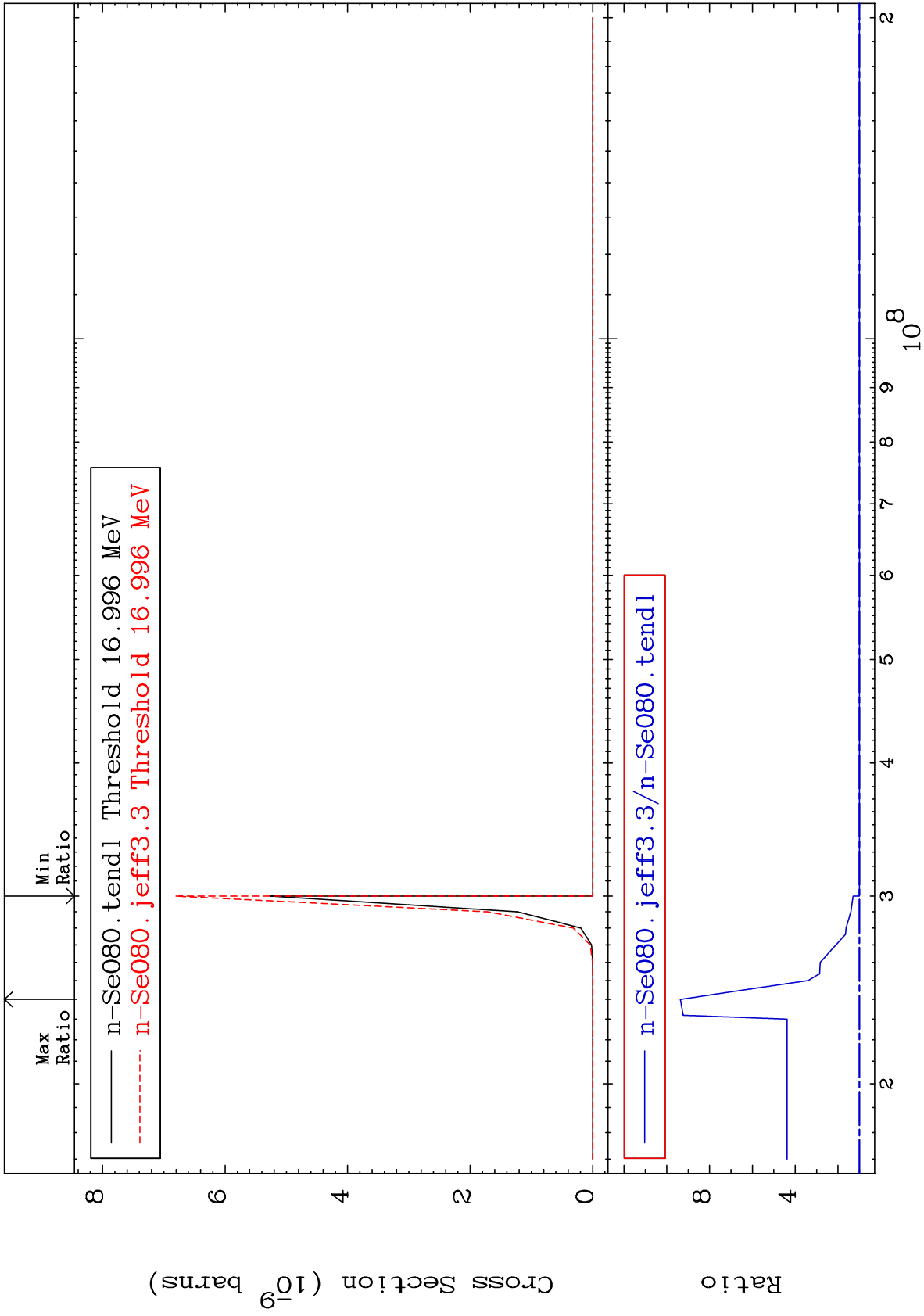
(n, d)  $\alpha$

<sup>34</sup>Se-80

Cross Section

0.000

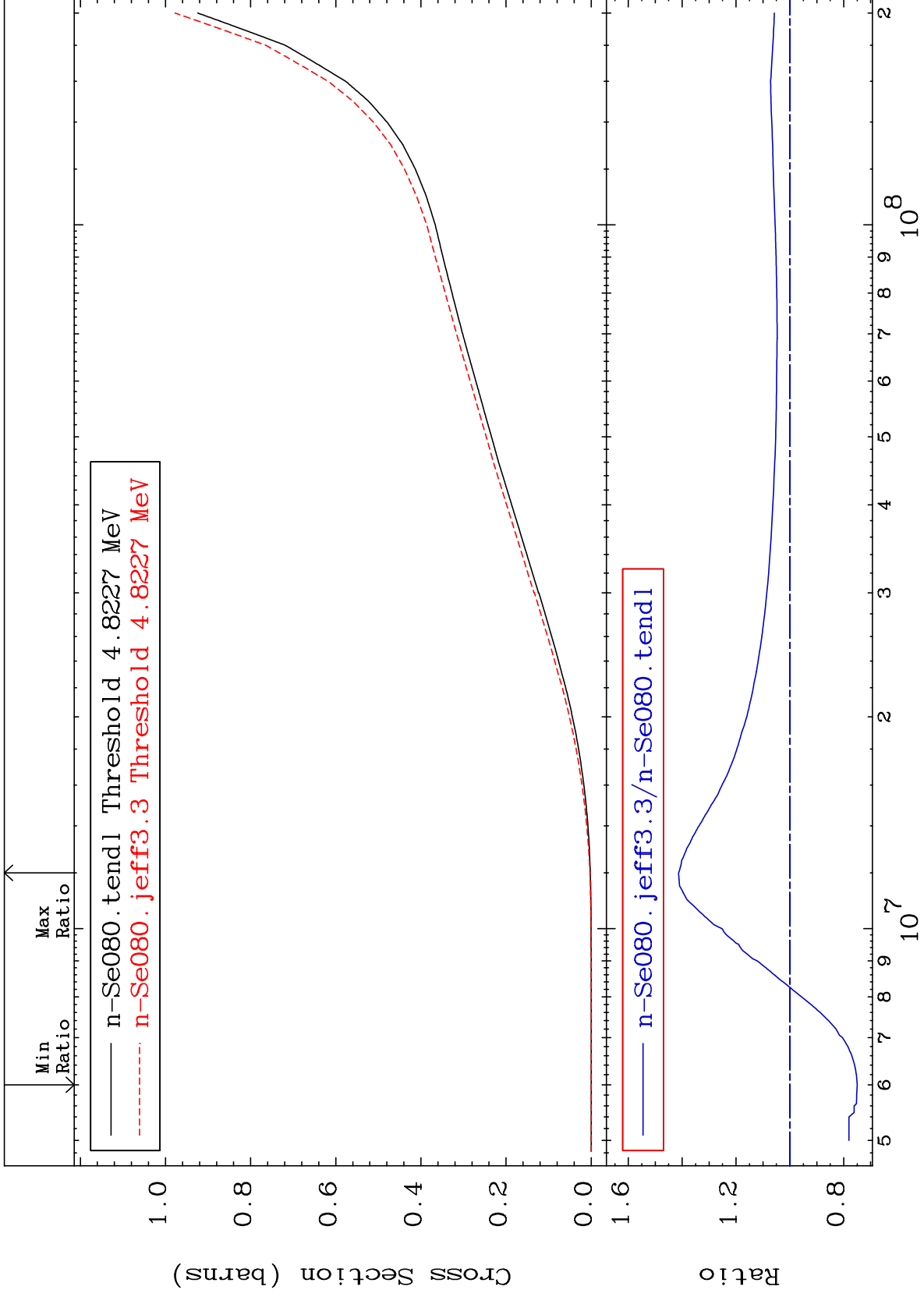
To 836.4 %



MAT 3443

Hydrogen Production  
Cross Section

$^{34}\text{Se-80}$   
-25.02 To 41.31 %



63

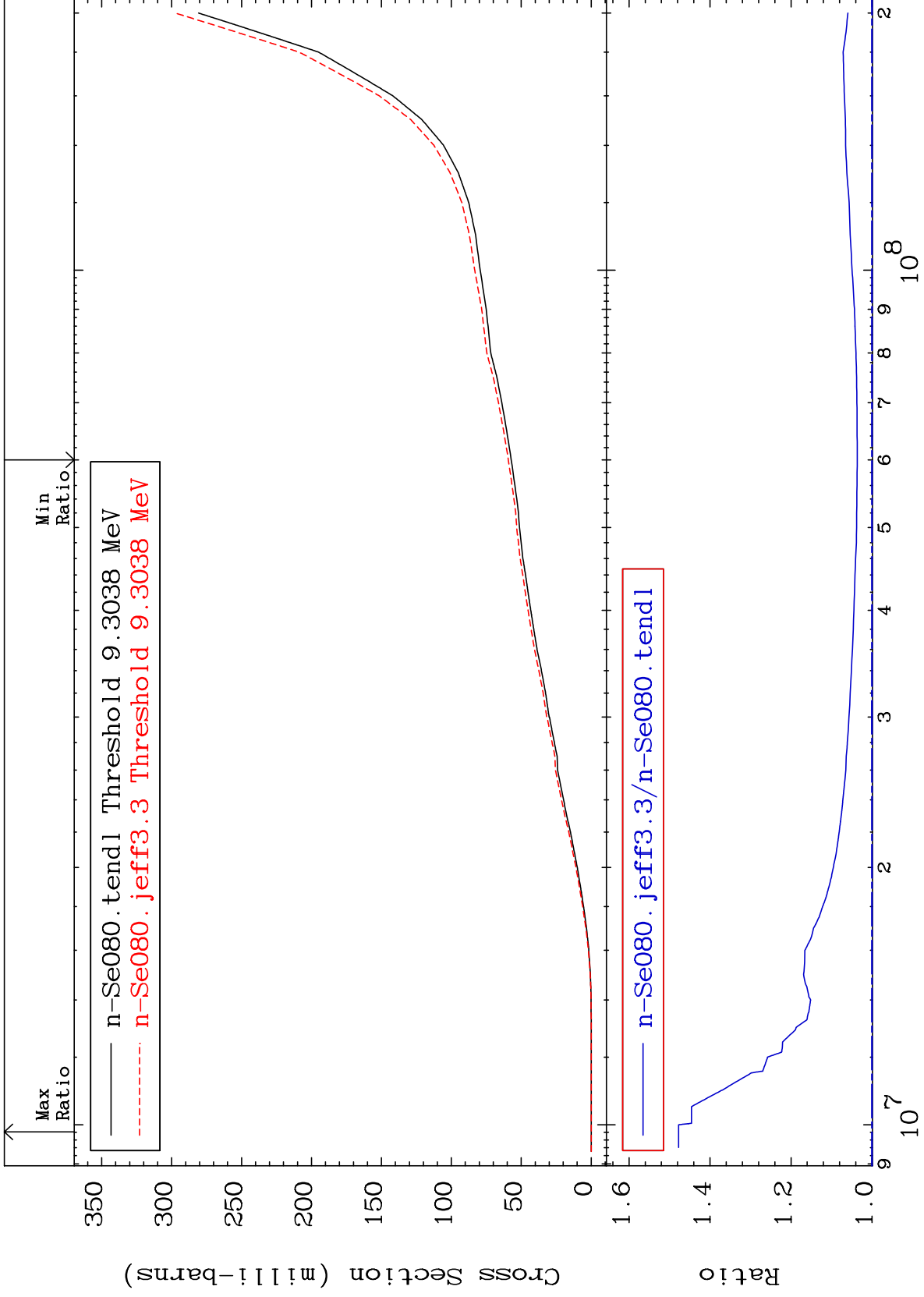
Incident Energy (eV)

$^{34}\text{Se-80}$

MAT 3443

Deuterium Production  
Cross Section

<sup>34</sup>Se-80  
To 47.75 %  
3.648



64

Incident Energy (eV)

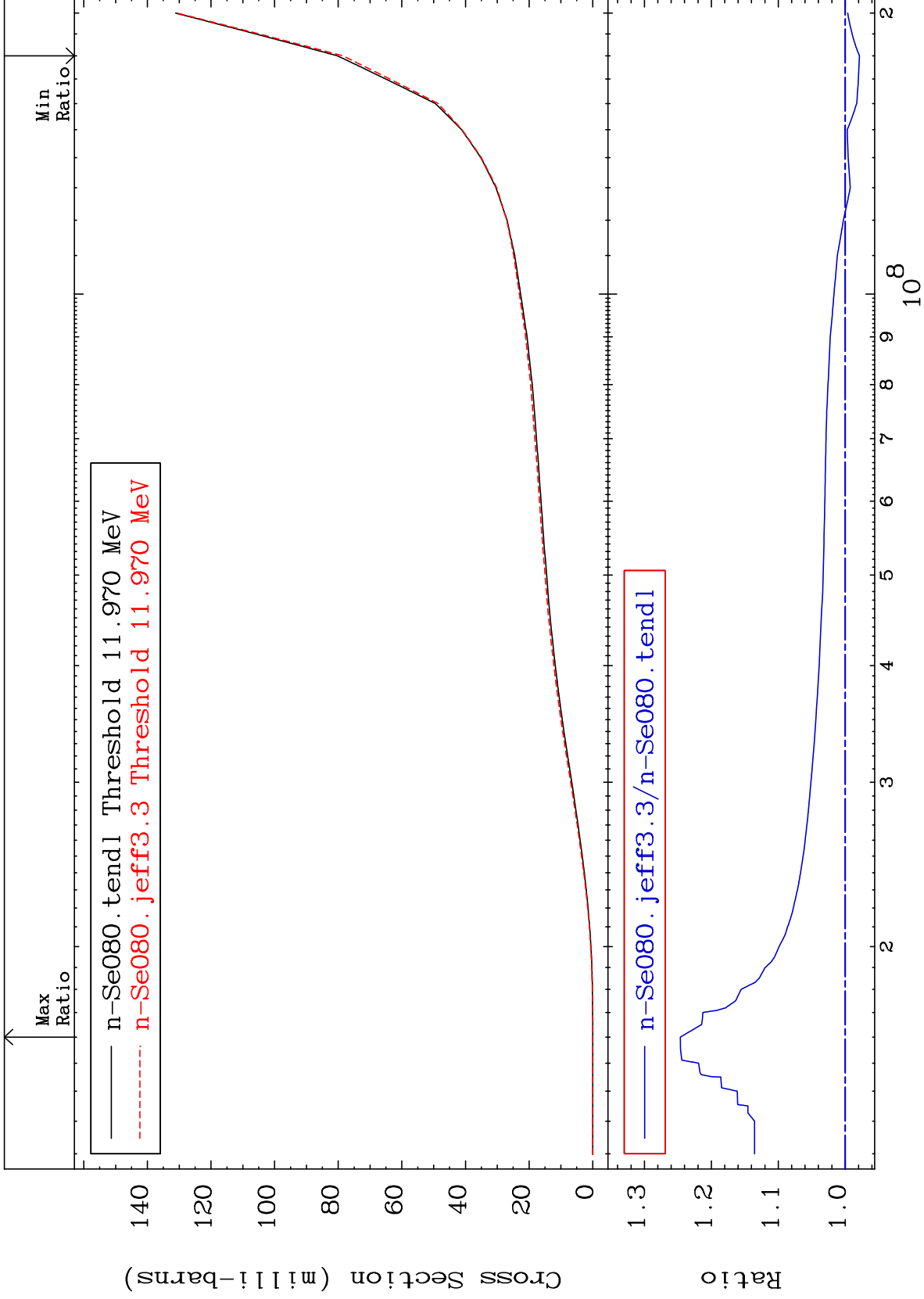
<sup>34</sup>Se-80



MAT 3443

Tritium Production  
Cross Section

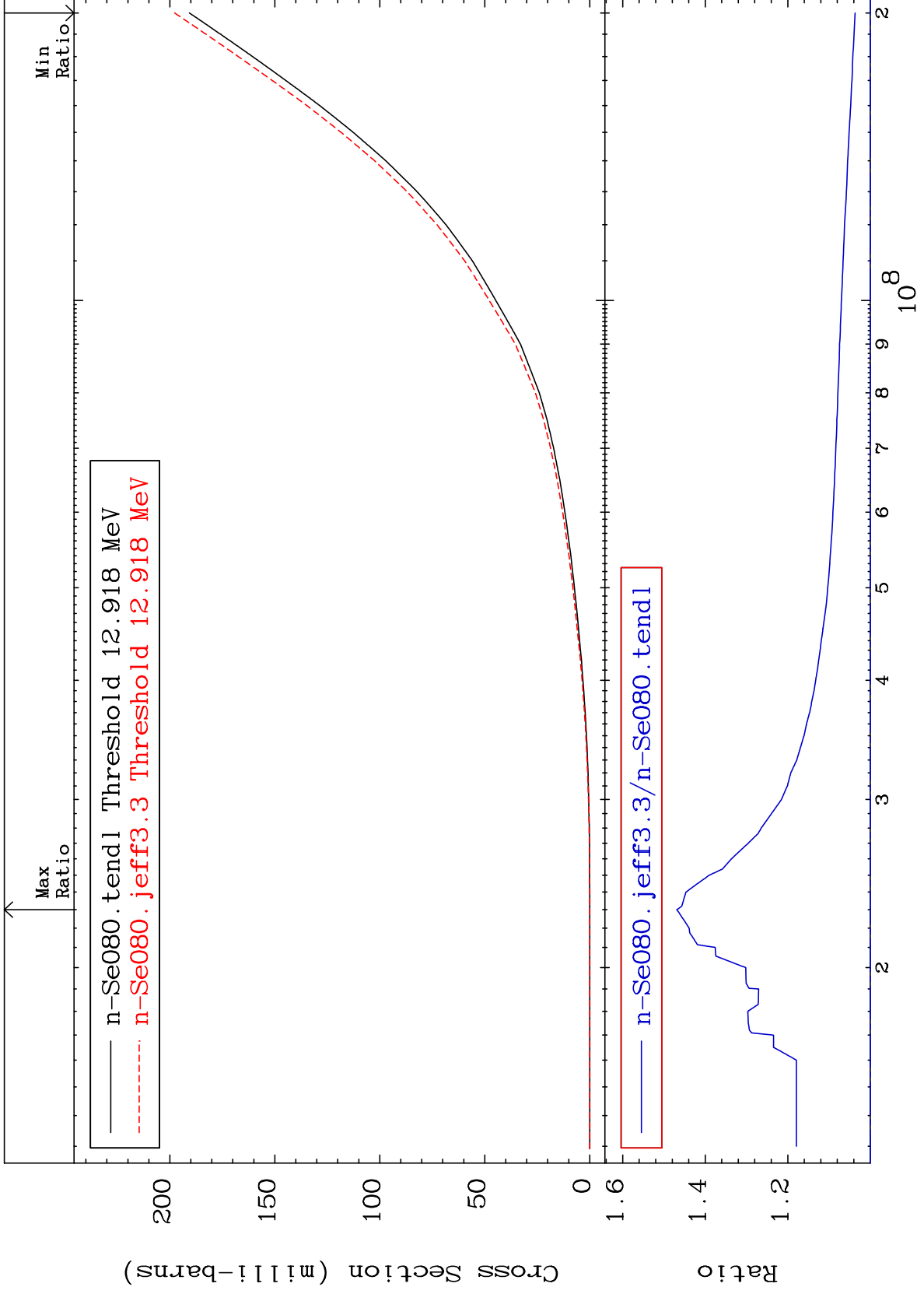
<sup>34</sup>Se-80  
-2.122 To 24.63 %



MAT 3443

He-3 Production  
Cross Section

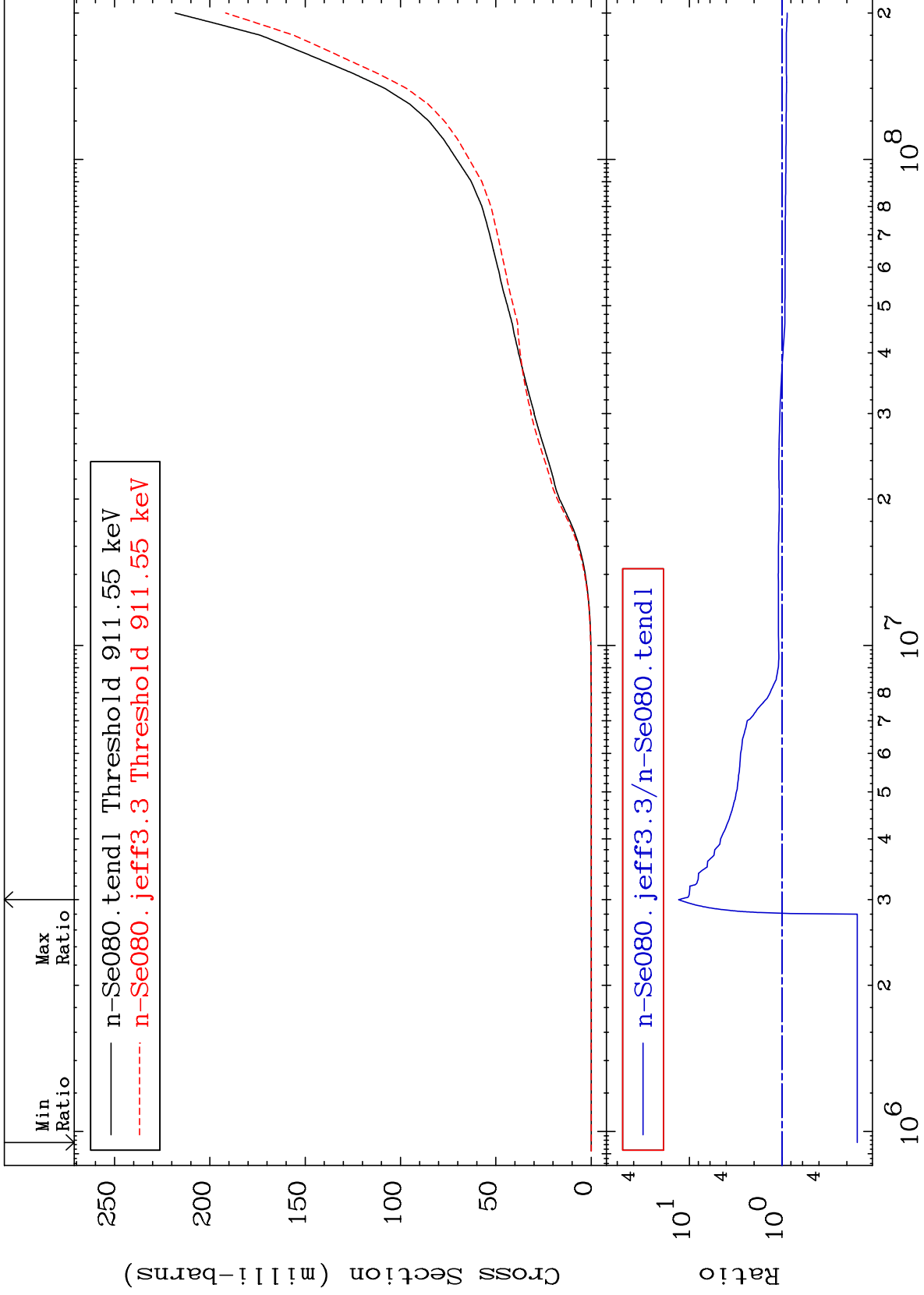
34-Se-80  
To 46.86 %  
3.685



MAT 3443

He-4 Production  
Cross Section

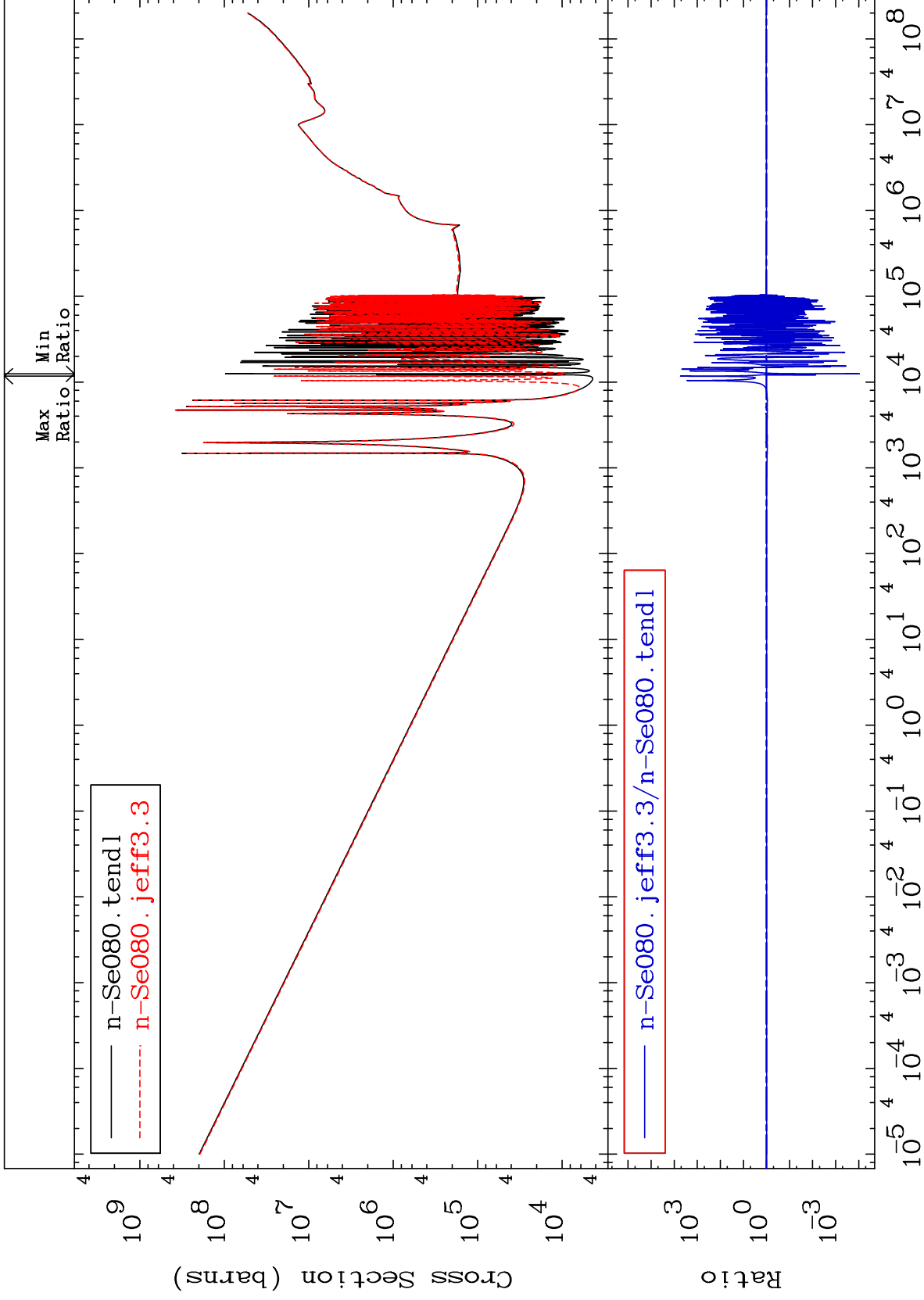
<sup>34</sup>Se-80  
-84.59 To 1207. %



67

Incident Energy (eV)

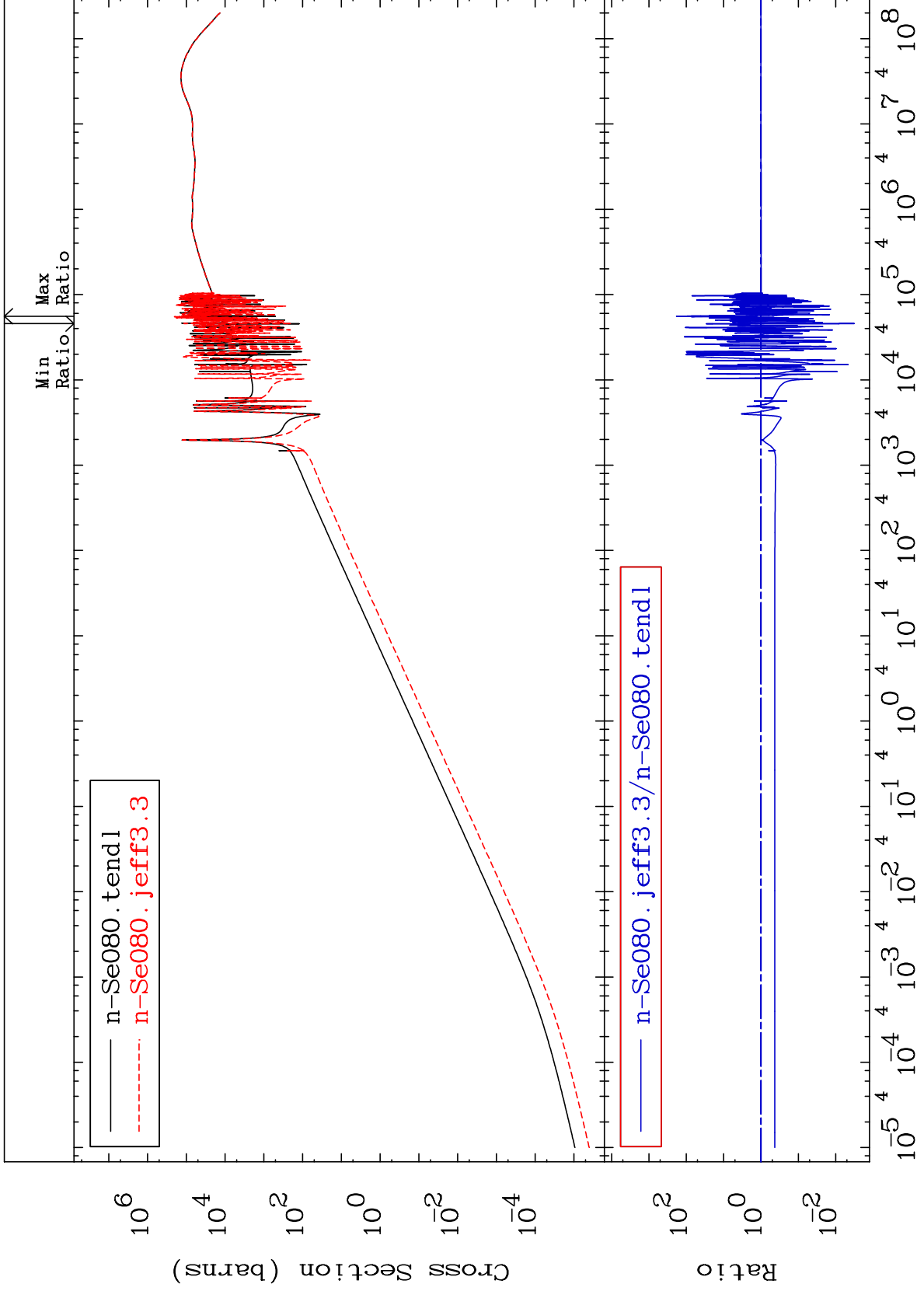
<sup>34</sup>Se-80

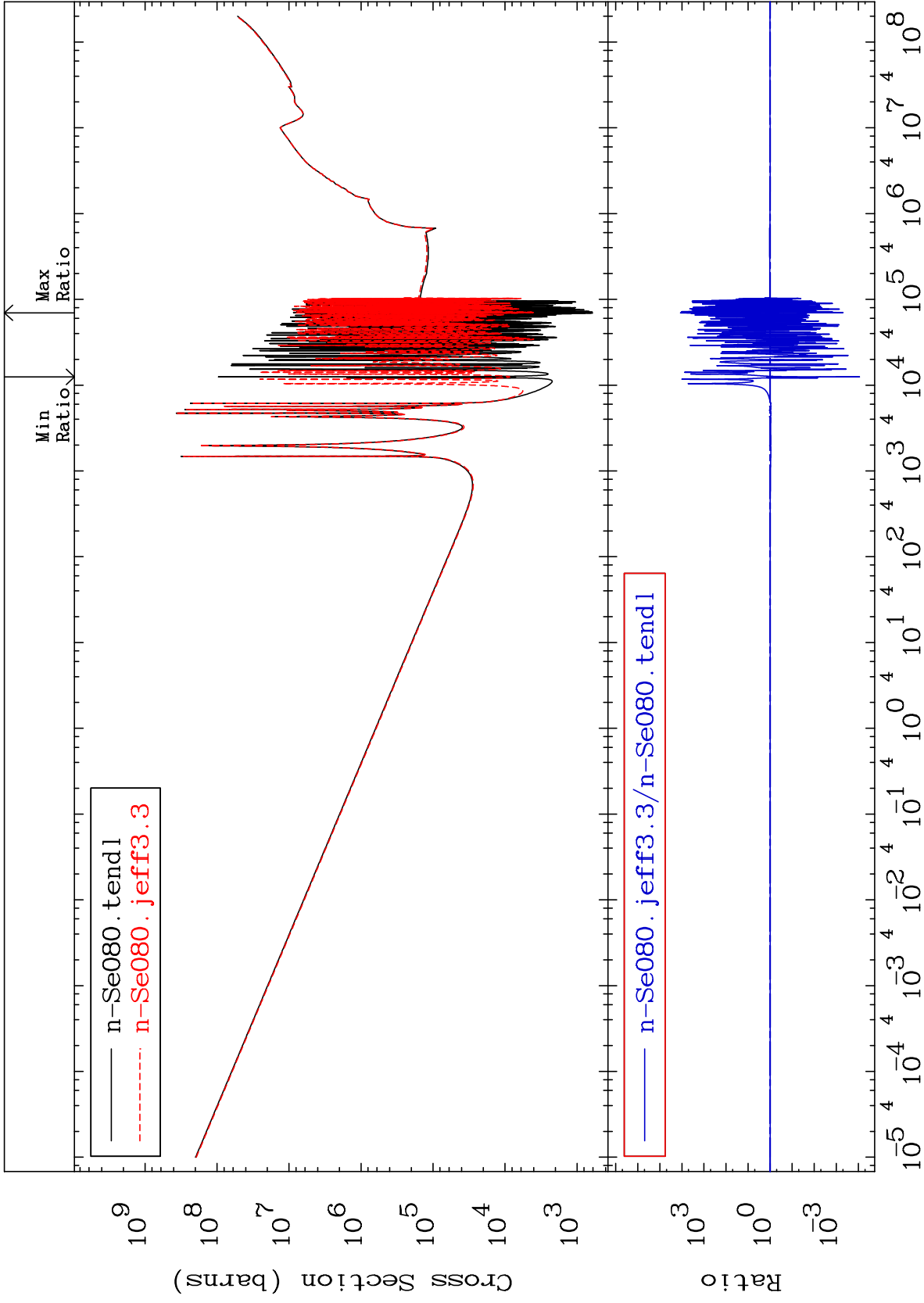


MAT 3443

Kerma elastic  
Cross Section

<sup>34</sup>Se-80  
-99.68 To 9999. %

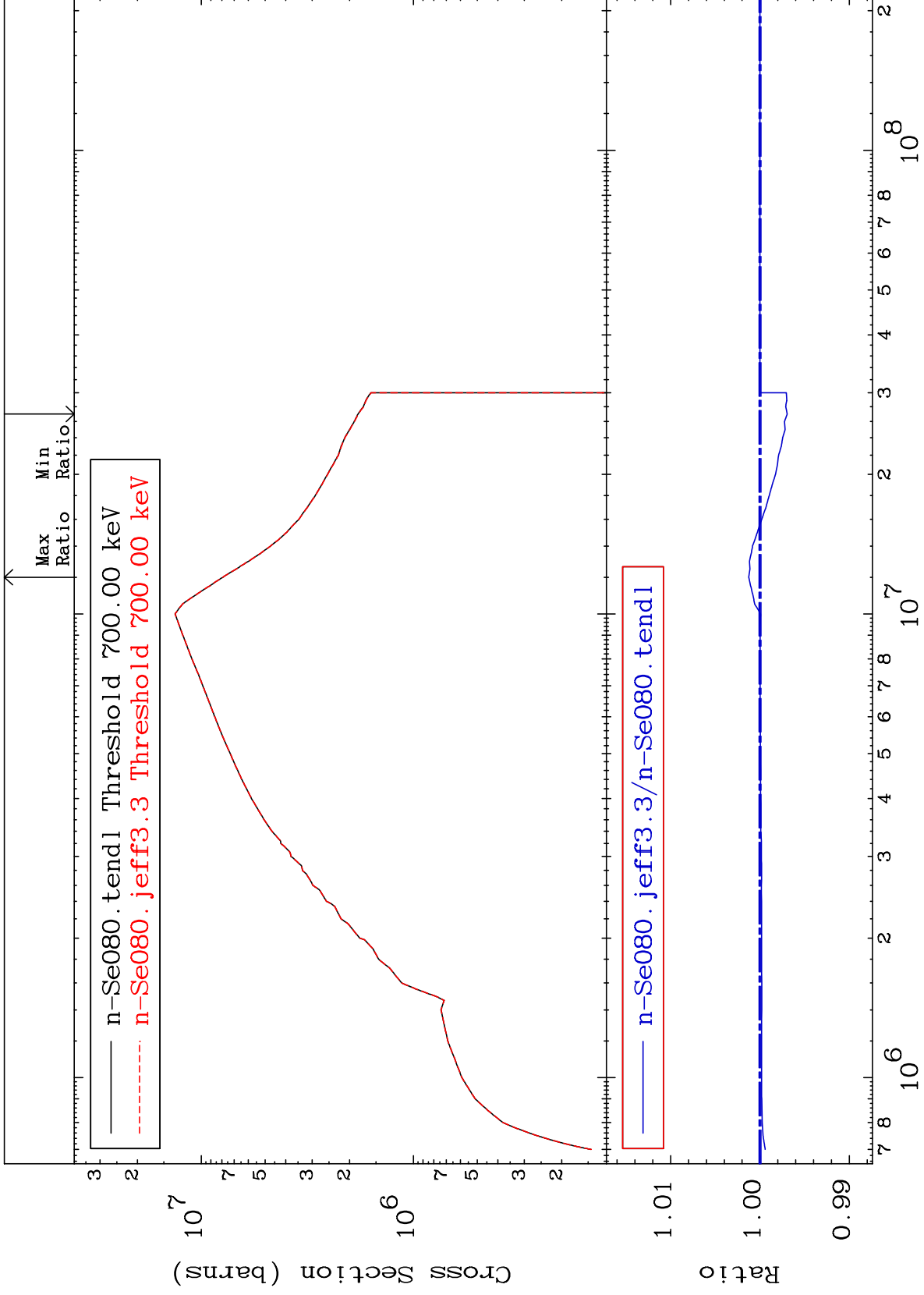




MAT 3443

Kerma inelastic (mt51-91)  
Cross Section

<sup>34</sup>Se-80  
-0.305 To 0.127 %



71

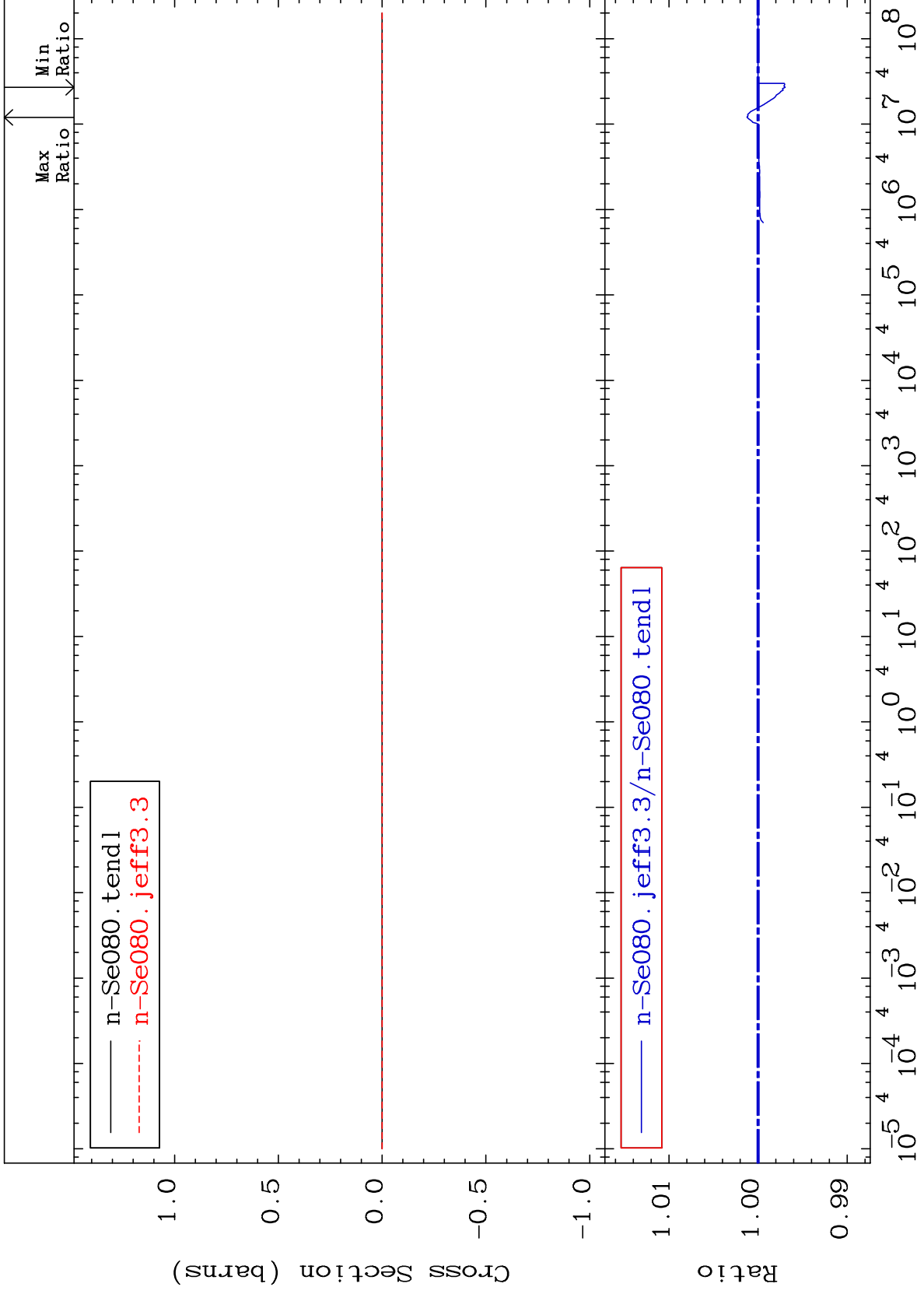
Incident Energy (eV)

<sup>34</sup>Se-80

MAT 3443

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

34-Se-80  
-0.305 To 0.127 %



72

Incident Energy (eV)

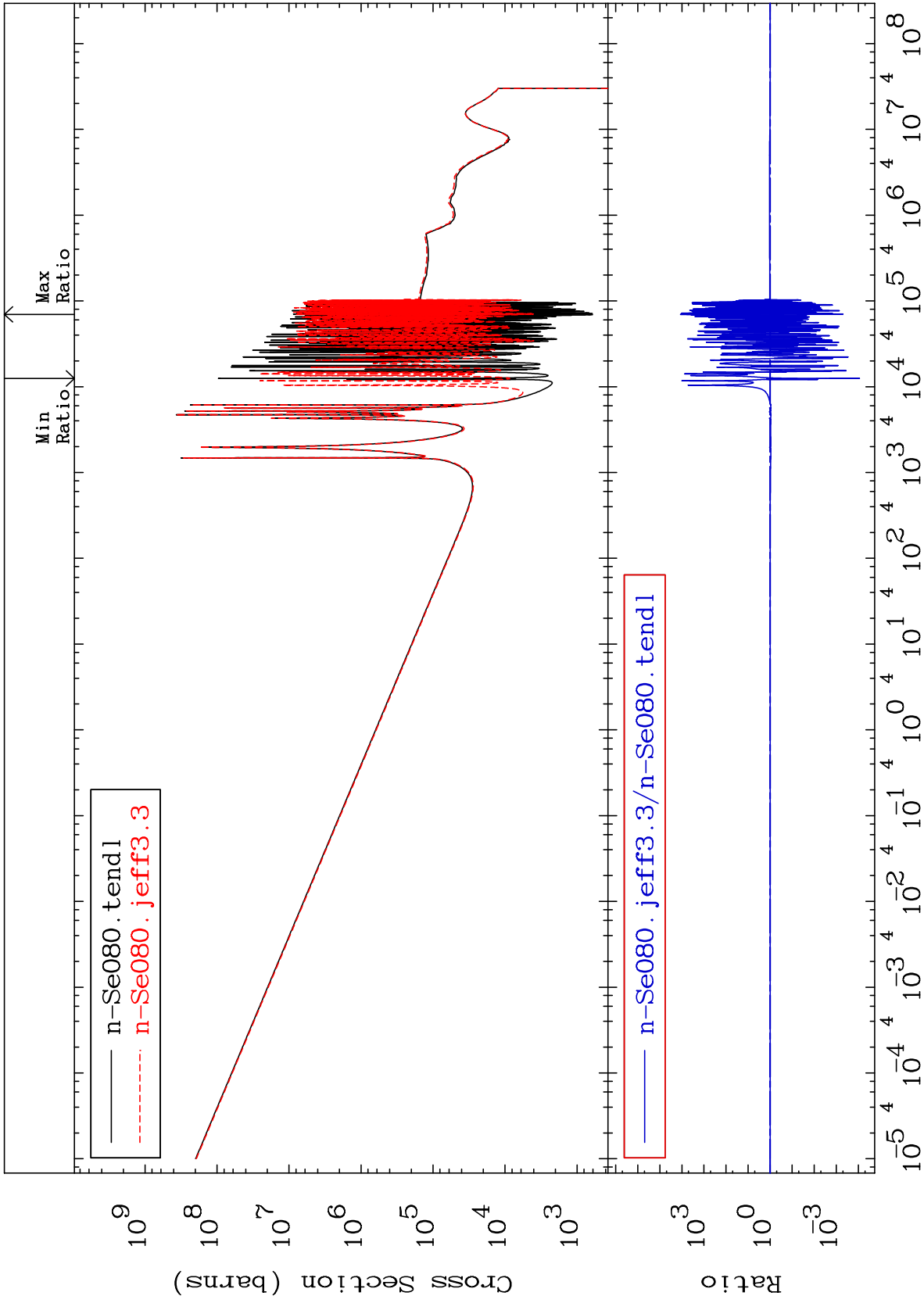
34-Se-80



MAT 3443

Kerma capture (mt102)  
Cross Section

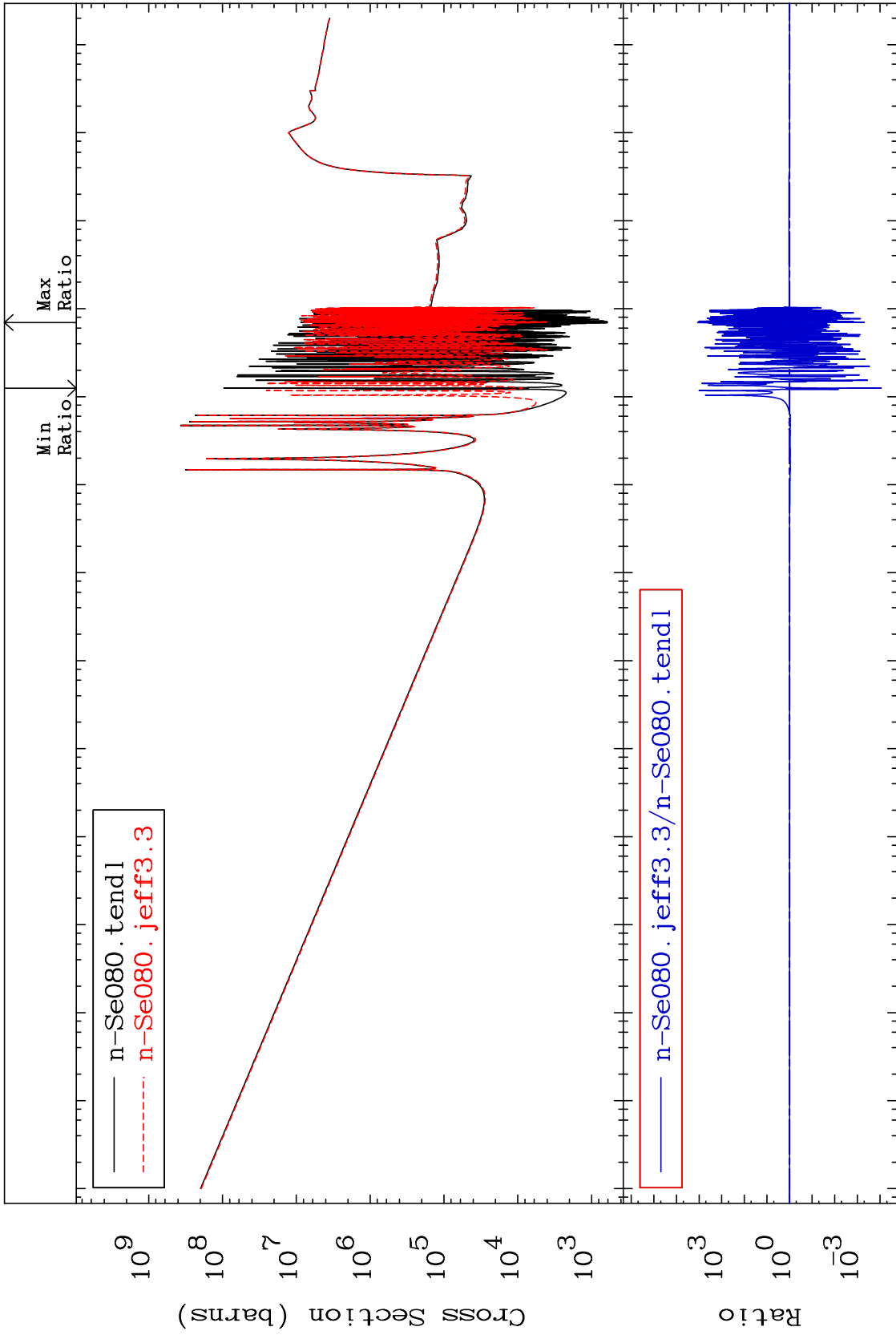
34-Se-80  
-99.99 To 9999. %

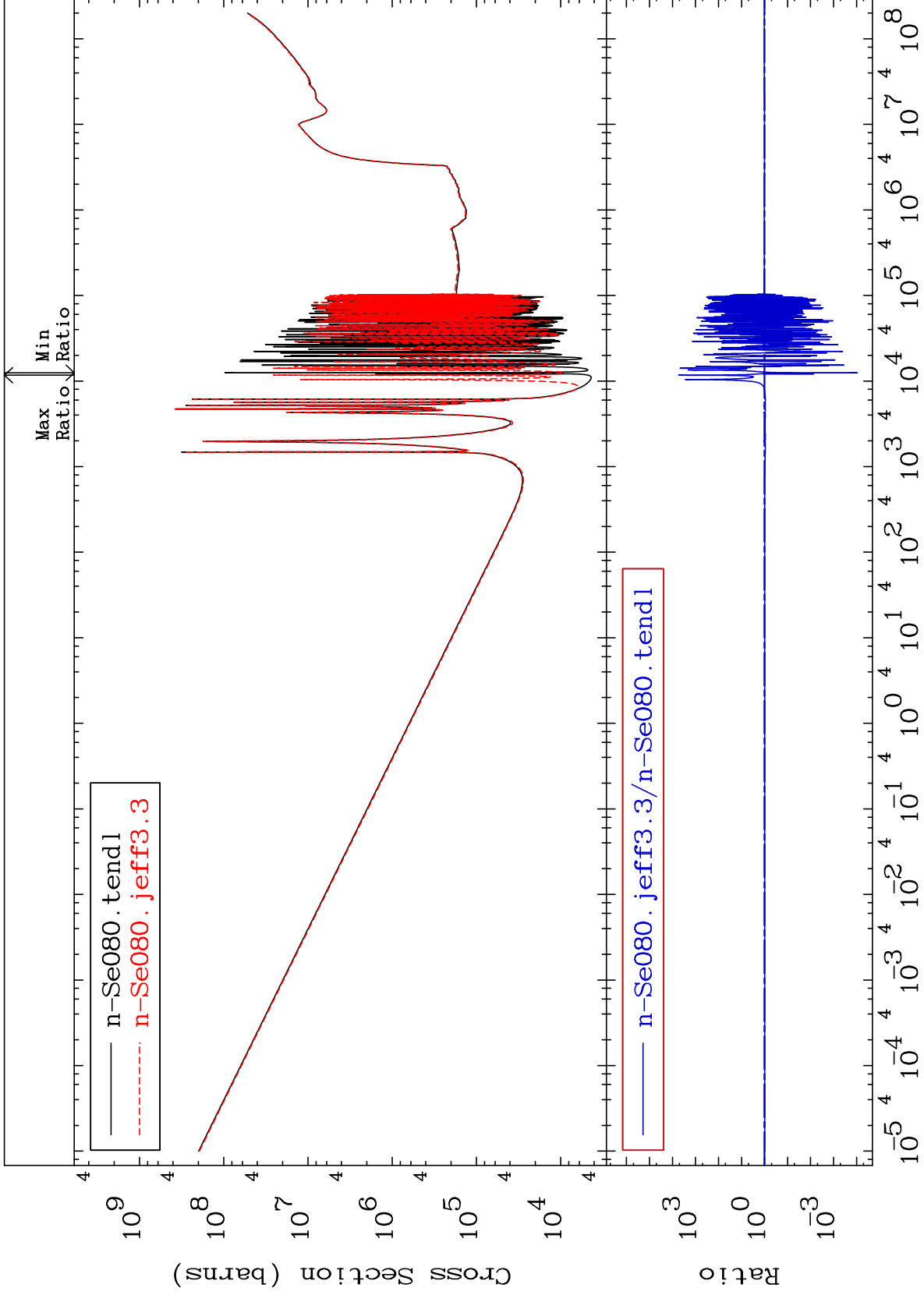


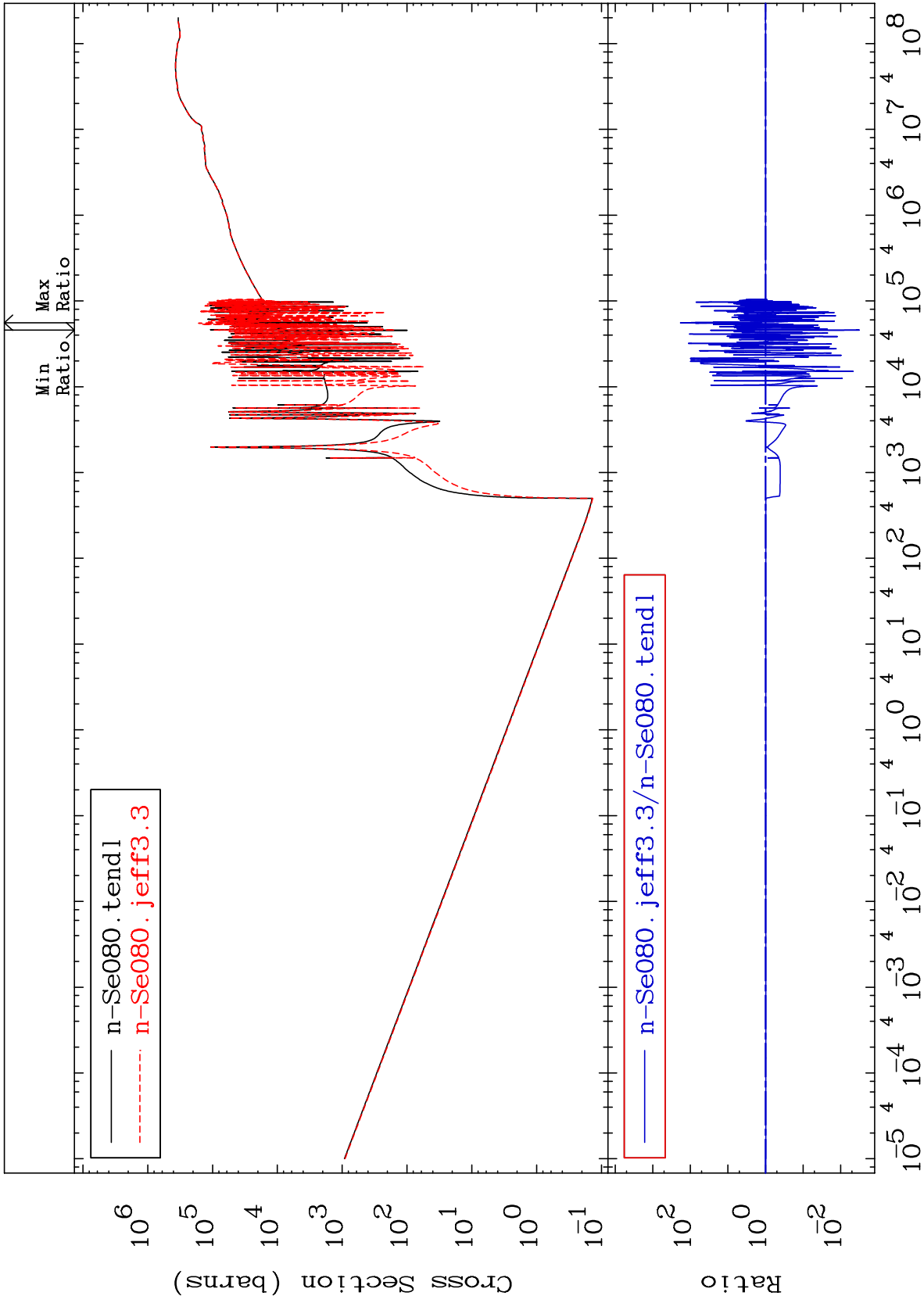
73

Incident Energy (eV)

34-Se-80



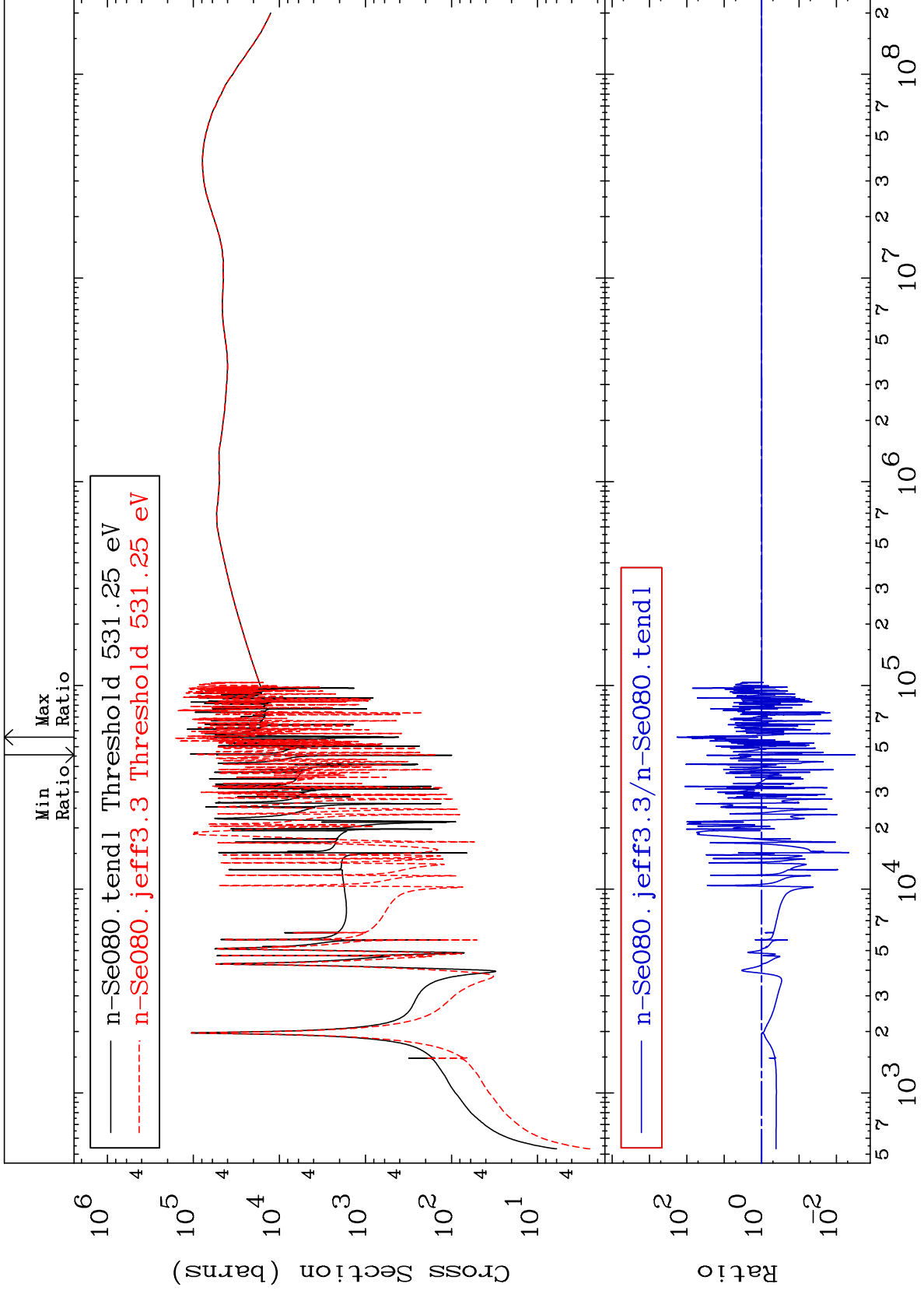




MAT 3443

Dpa elastic (mt2)  
Cross Section

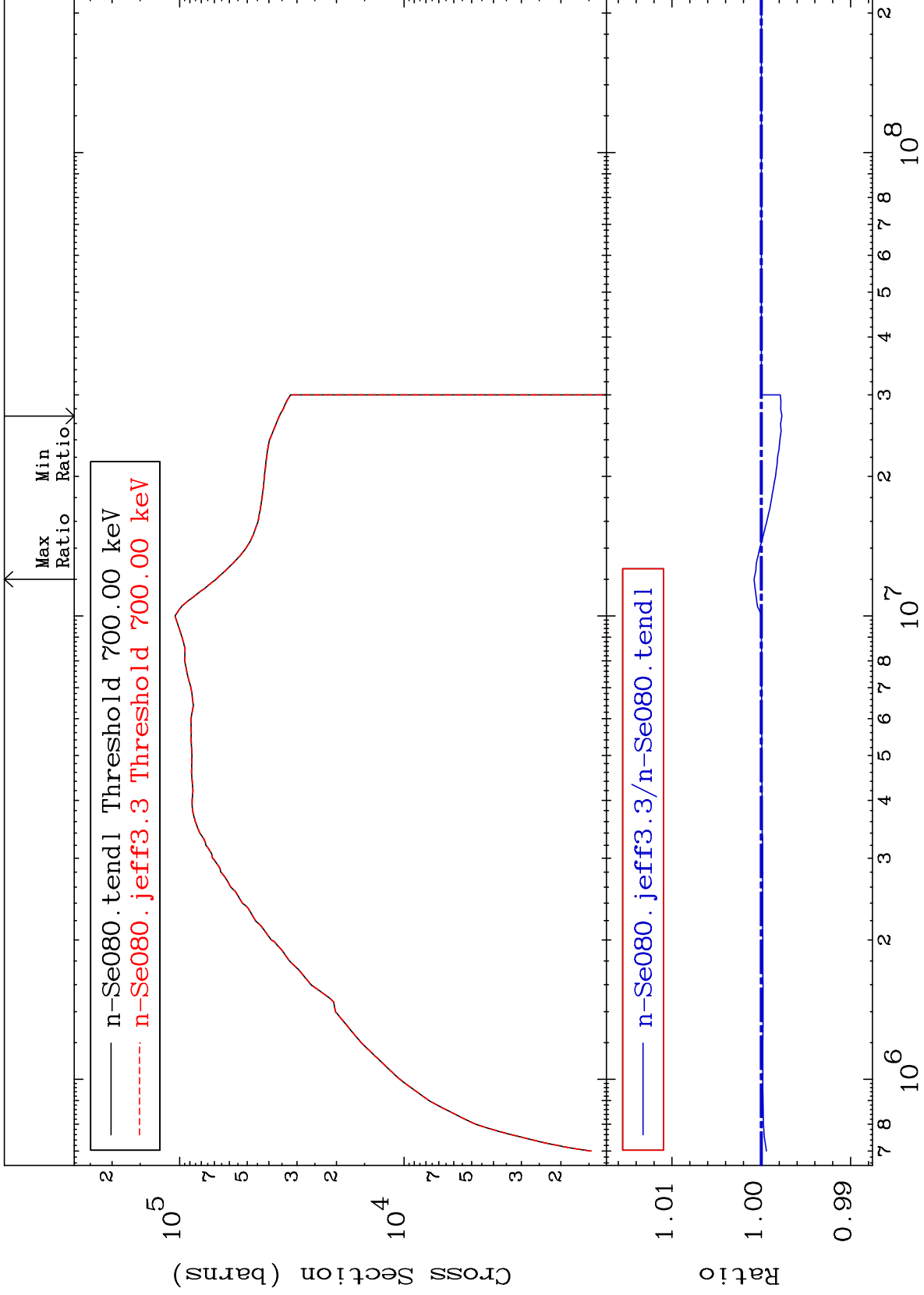
<sup>34</sup>Se-80  
-99.68 To 9999. %



MAT 3443

Dpa inelastic (mt51-91)  
Cross Section

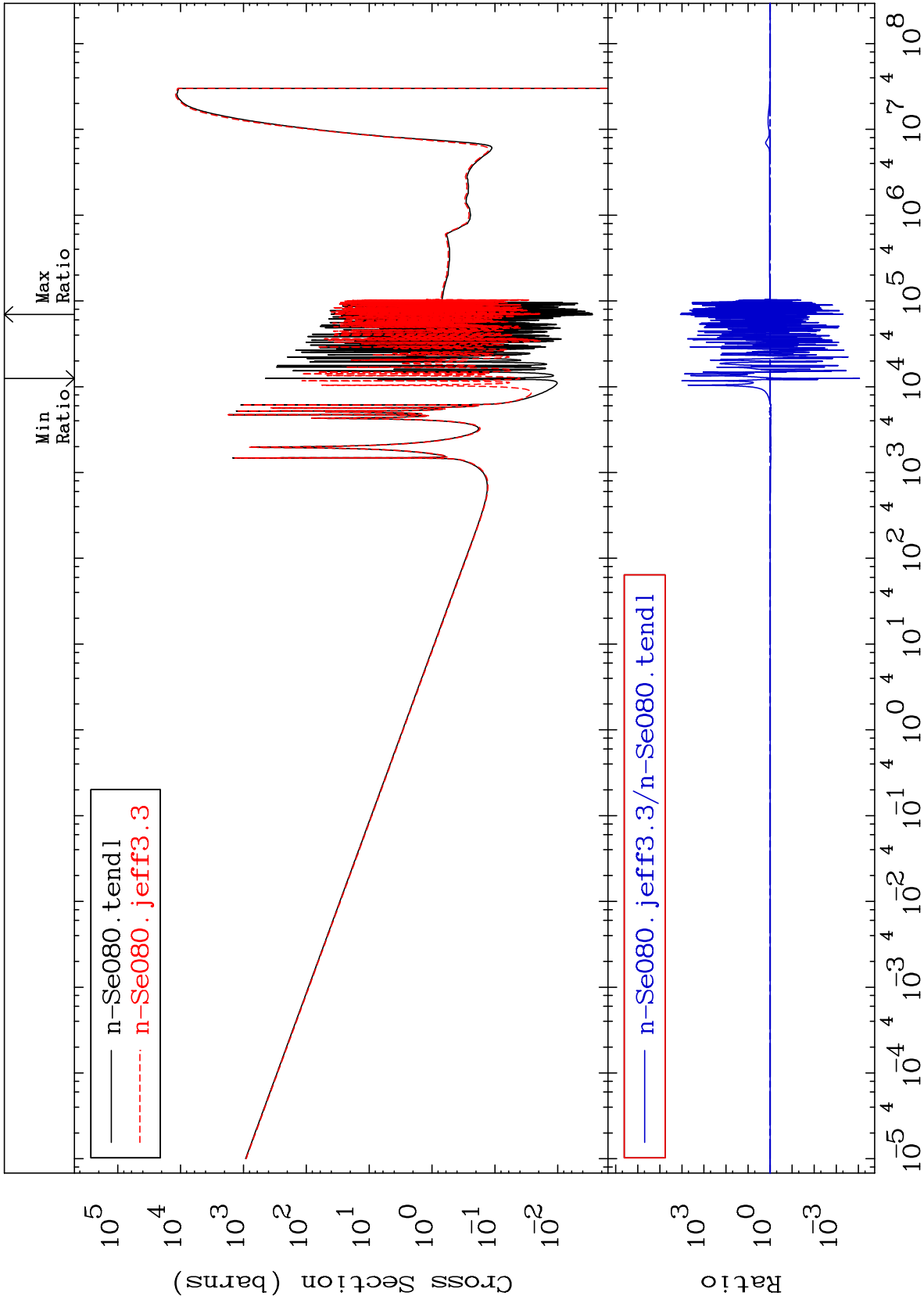
<sup>34</sup>Se-80  
-0.230 To 0.081 %



78

Incident Energy (eV)

<sup>34</sup>Se-80

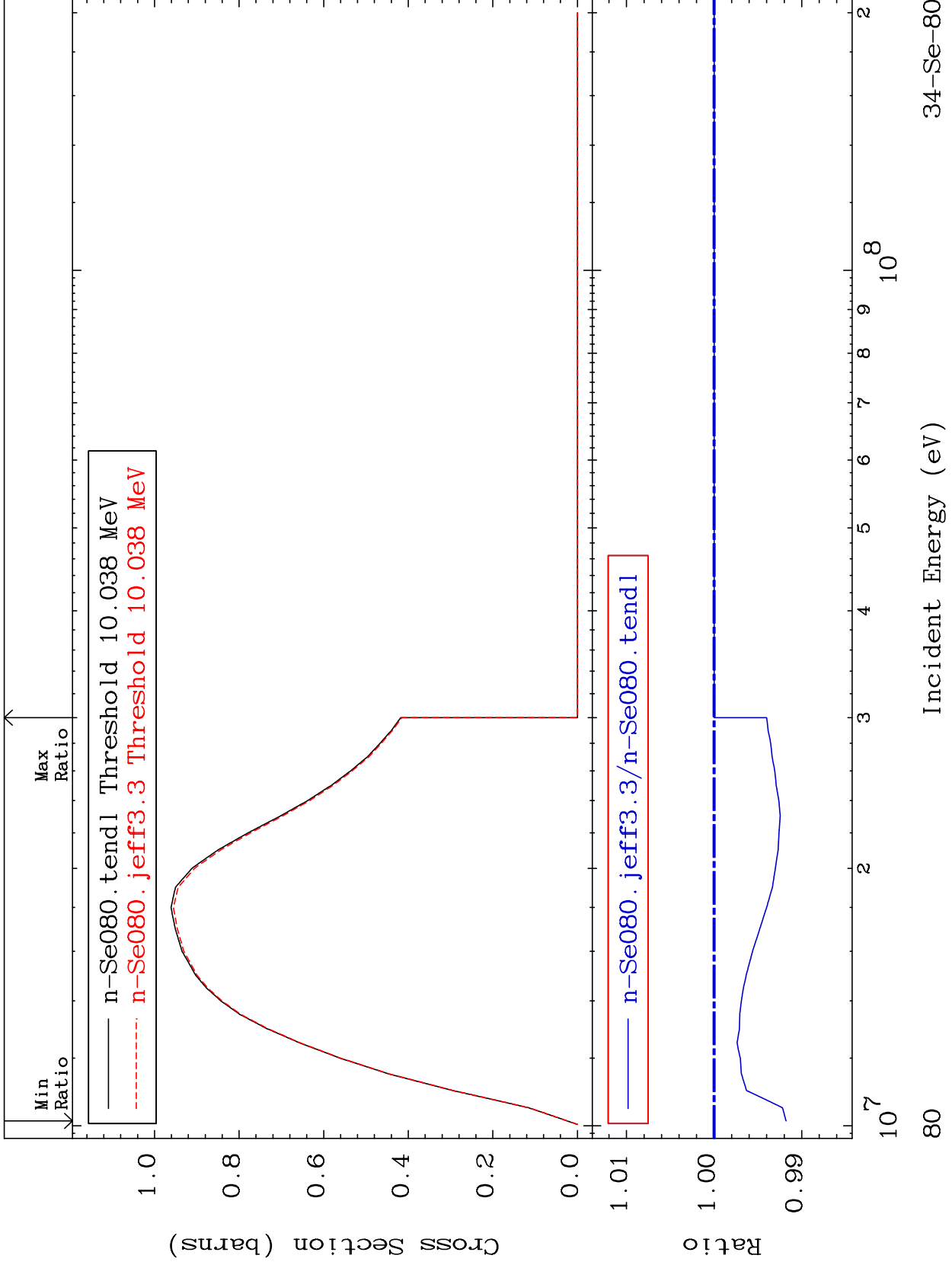


MAT 3443

(n,2n):34-Se-79g

34-Se-80

Radionuclide Production Cross Section -0.821 To 0.000 %



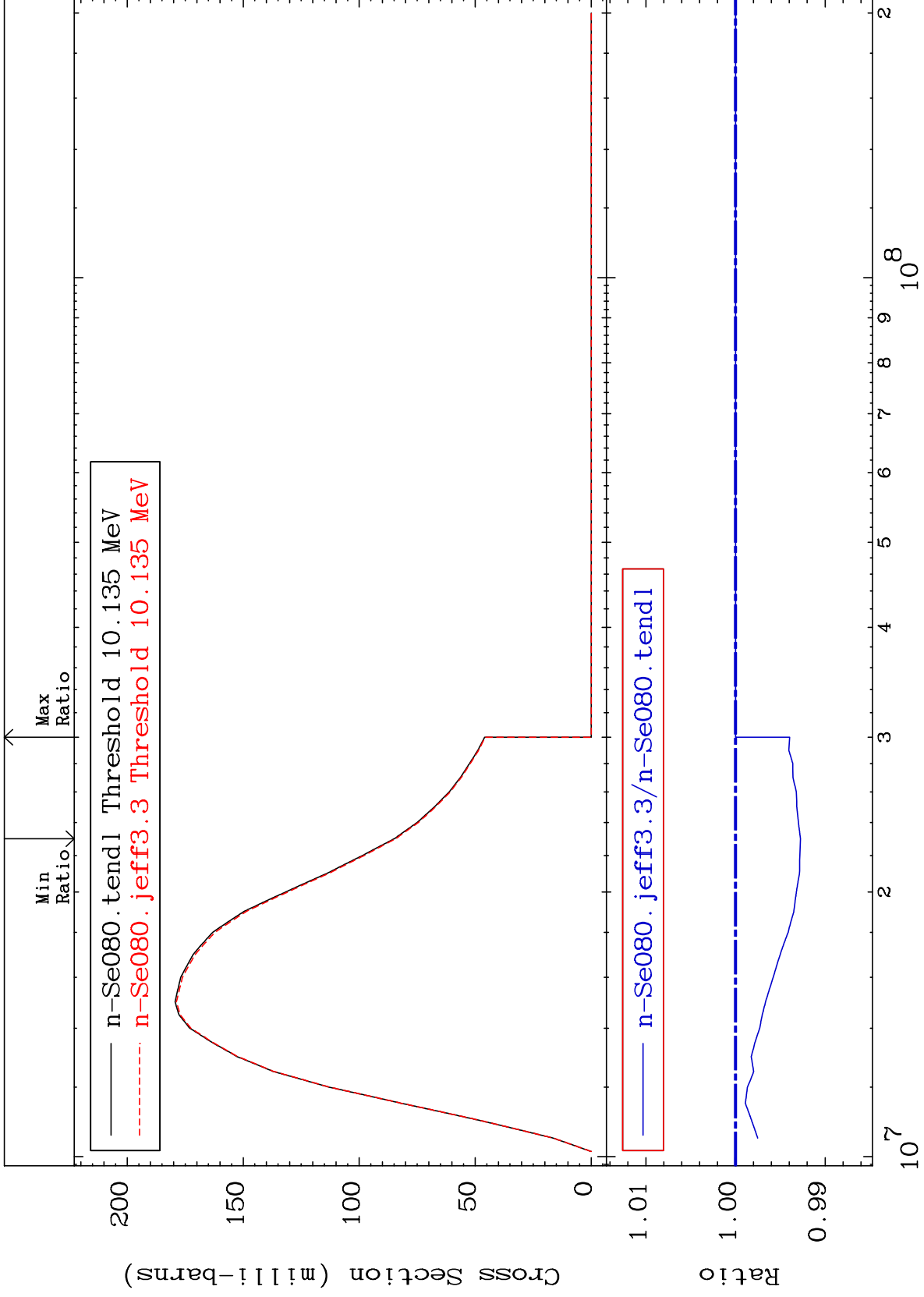


MAT 3443

(n,2n):34-Se-79m1

34-Se-80

Radionuclide Production Cross Section -0.724 To 0.000 %



81

Incident Energy (eV)

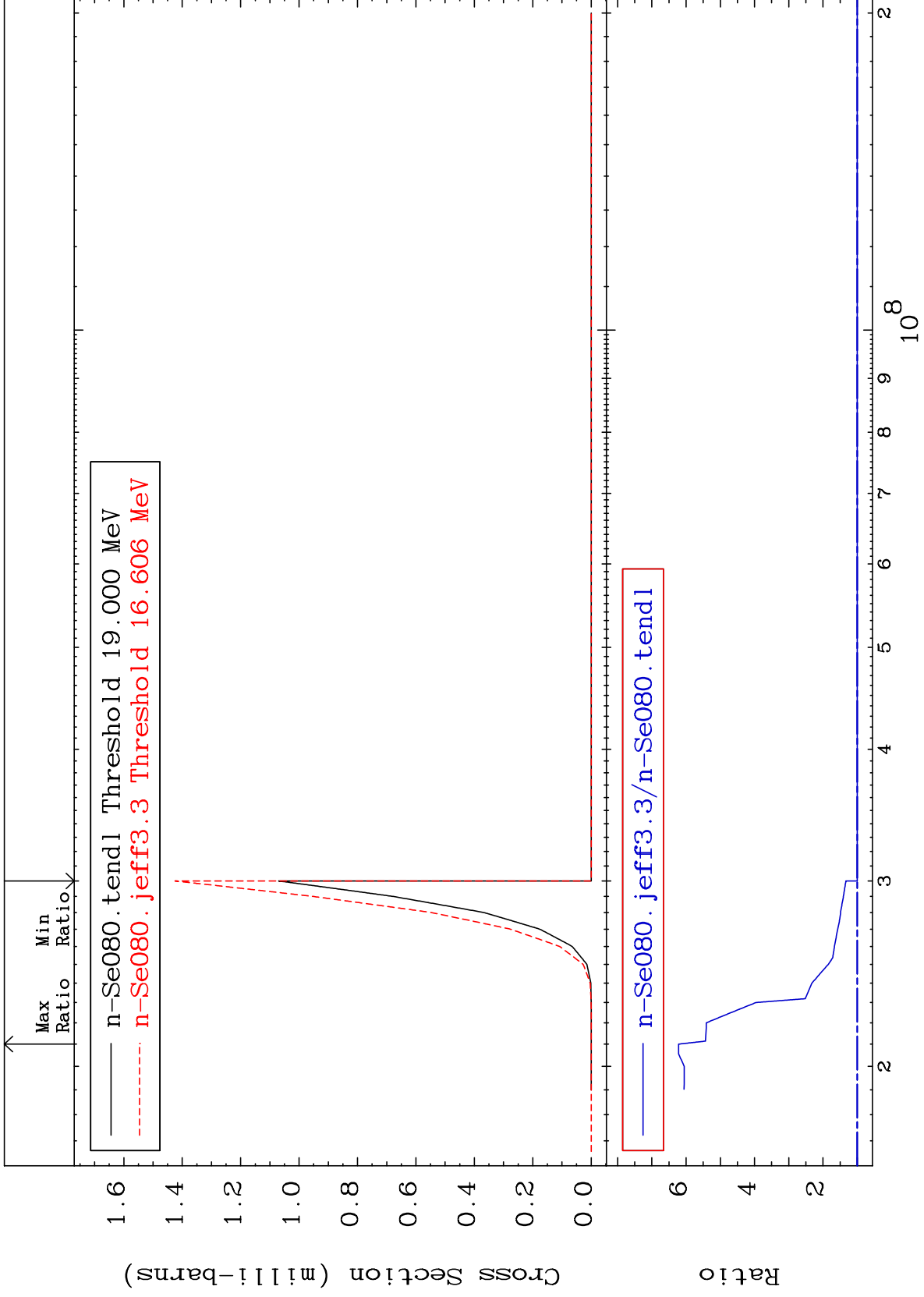
34-Se-80

MAT 3443

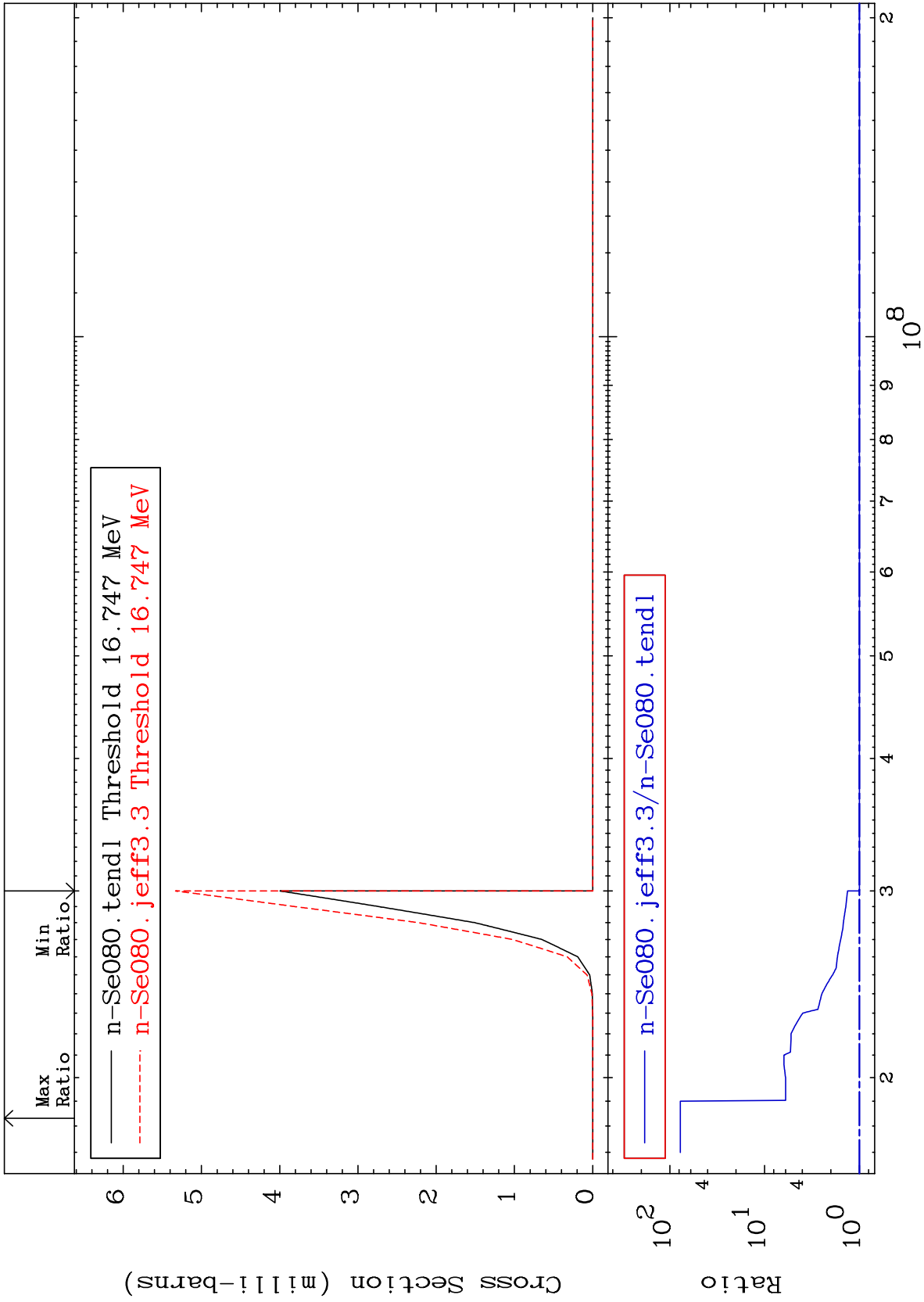
(n,2n)  $\alpha$ :32-Ge-75g

<sup>34</sup>Se-80

Radionuclide Production Cross Section 0.000 To 521.7 %

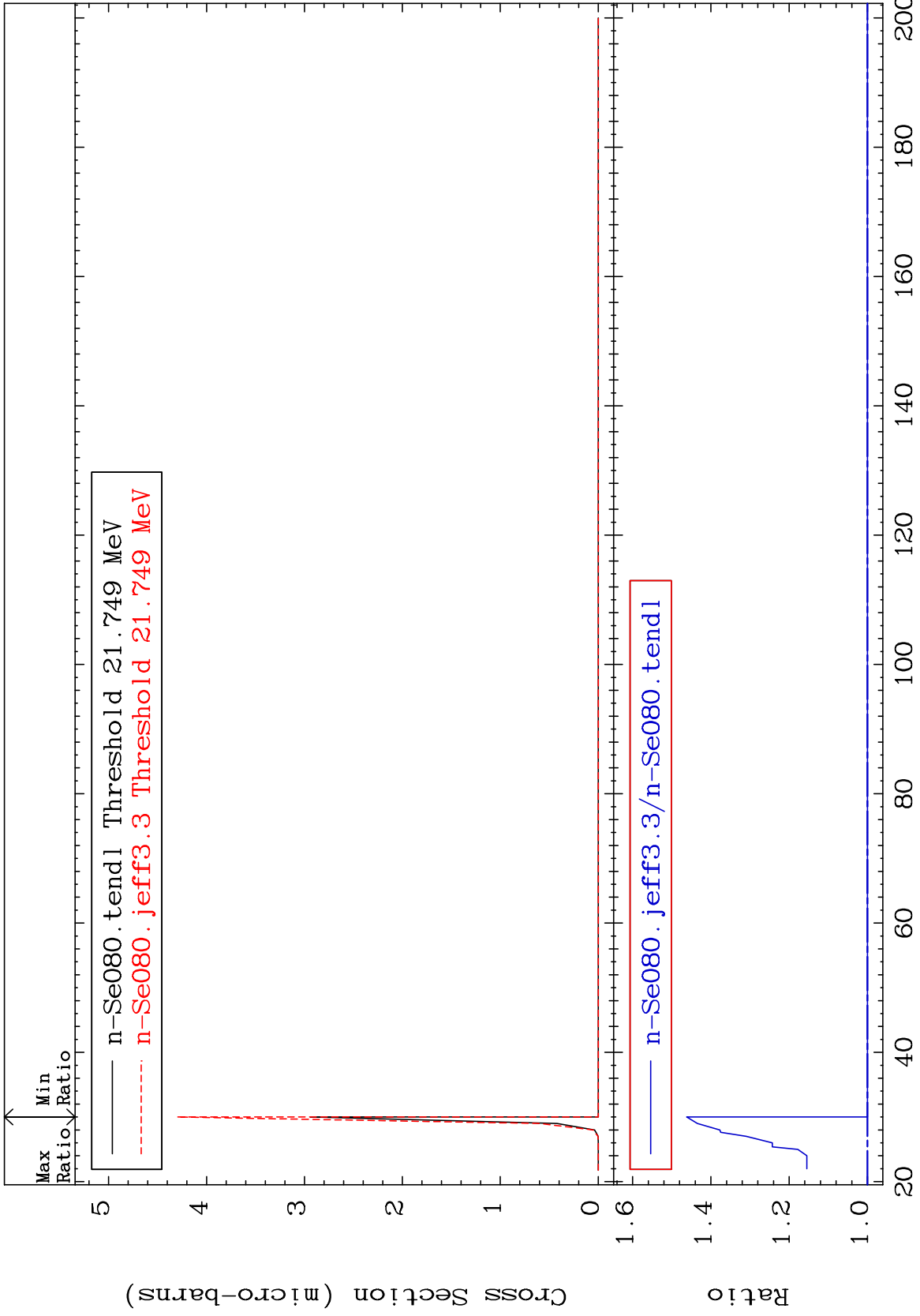


Radionuclide Production Cross Section 0.000 To 7639. %



MAT 3443

(n, n') He-3:32-Ge-77g 34-Se-80  
Radionuclide Production Cross Section 0.000 To 46.18 %



84

Incident Energy (MeV)

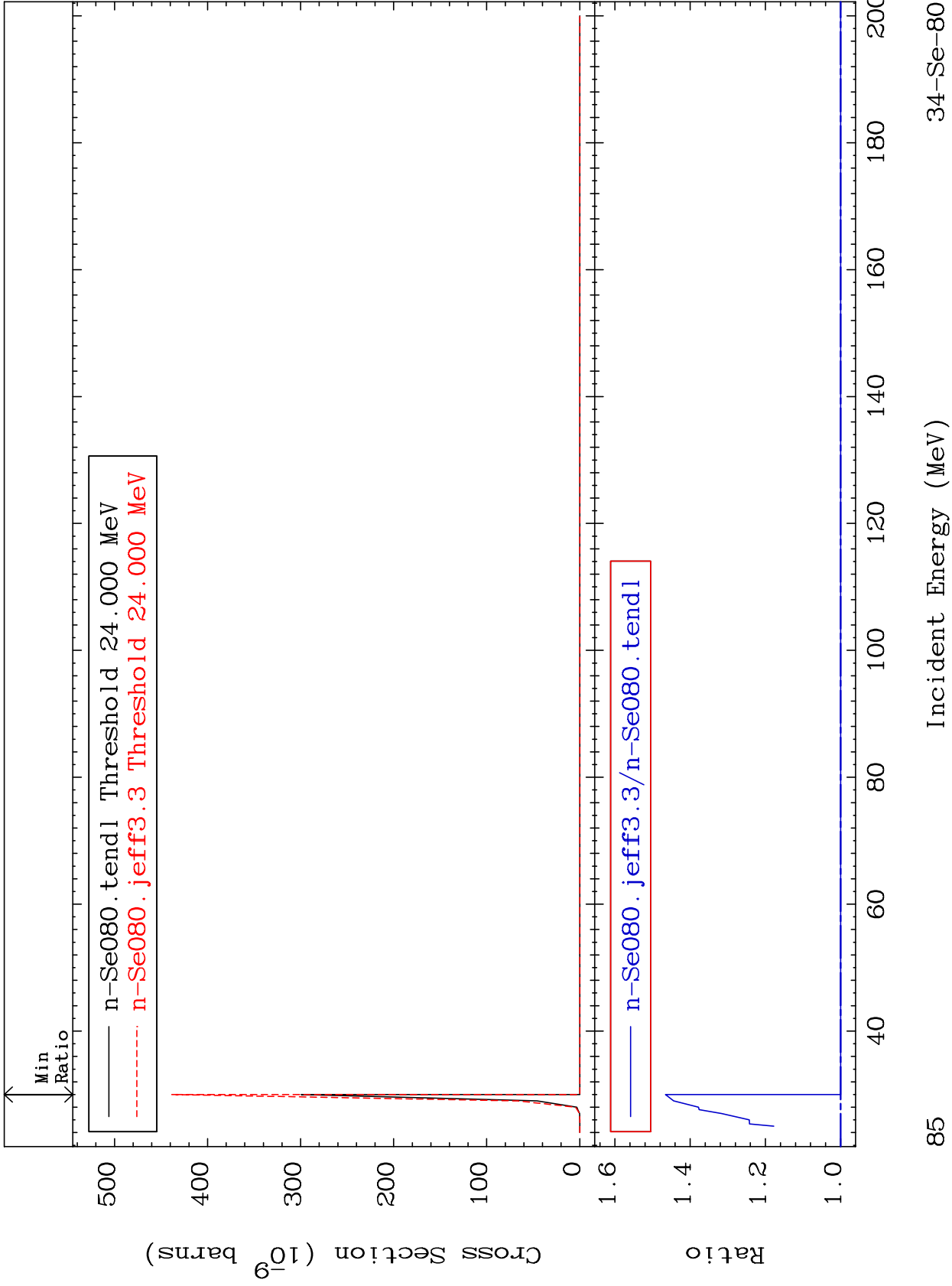
34-Se-80

MAT 3443

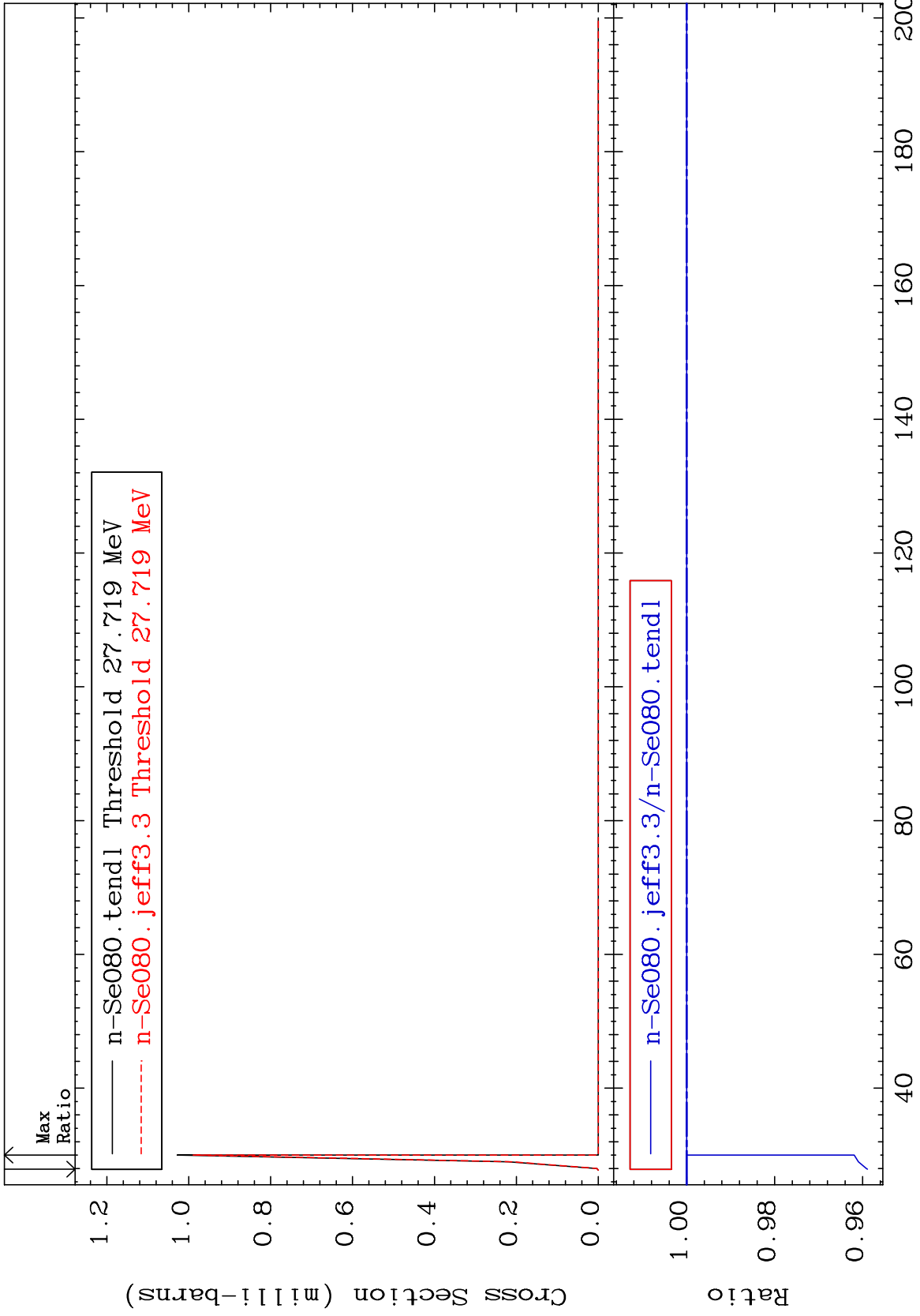
(n, n') He-3:32-Ge-77m1

34-Se-80

Radionuclide Production Cross Section 0.000 To 46.56 %



Radionuclide Production Cross Section -4.109 To 0.000 %

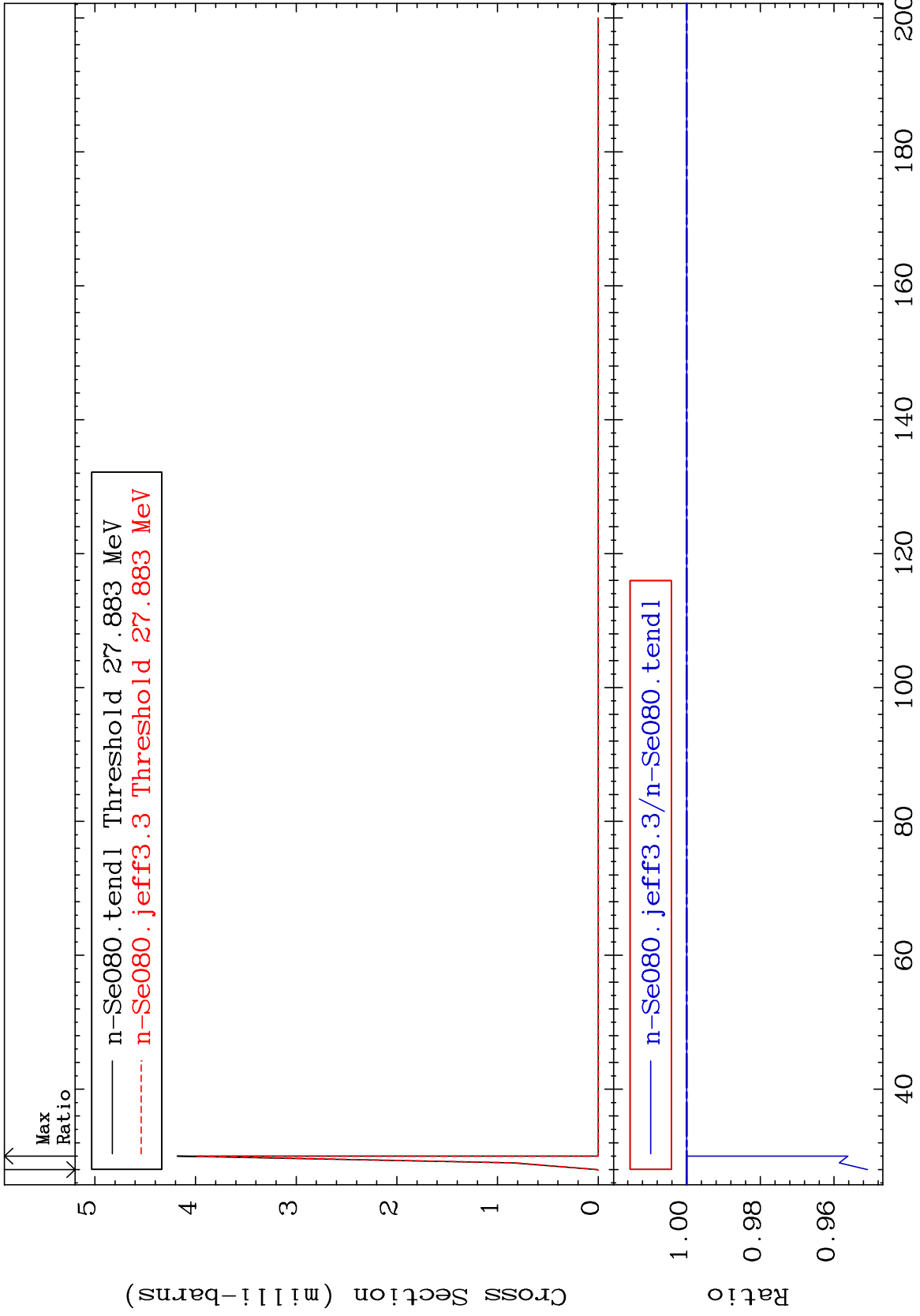


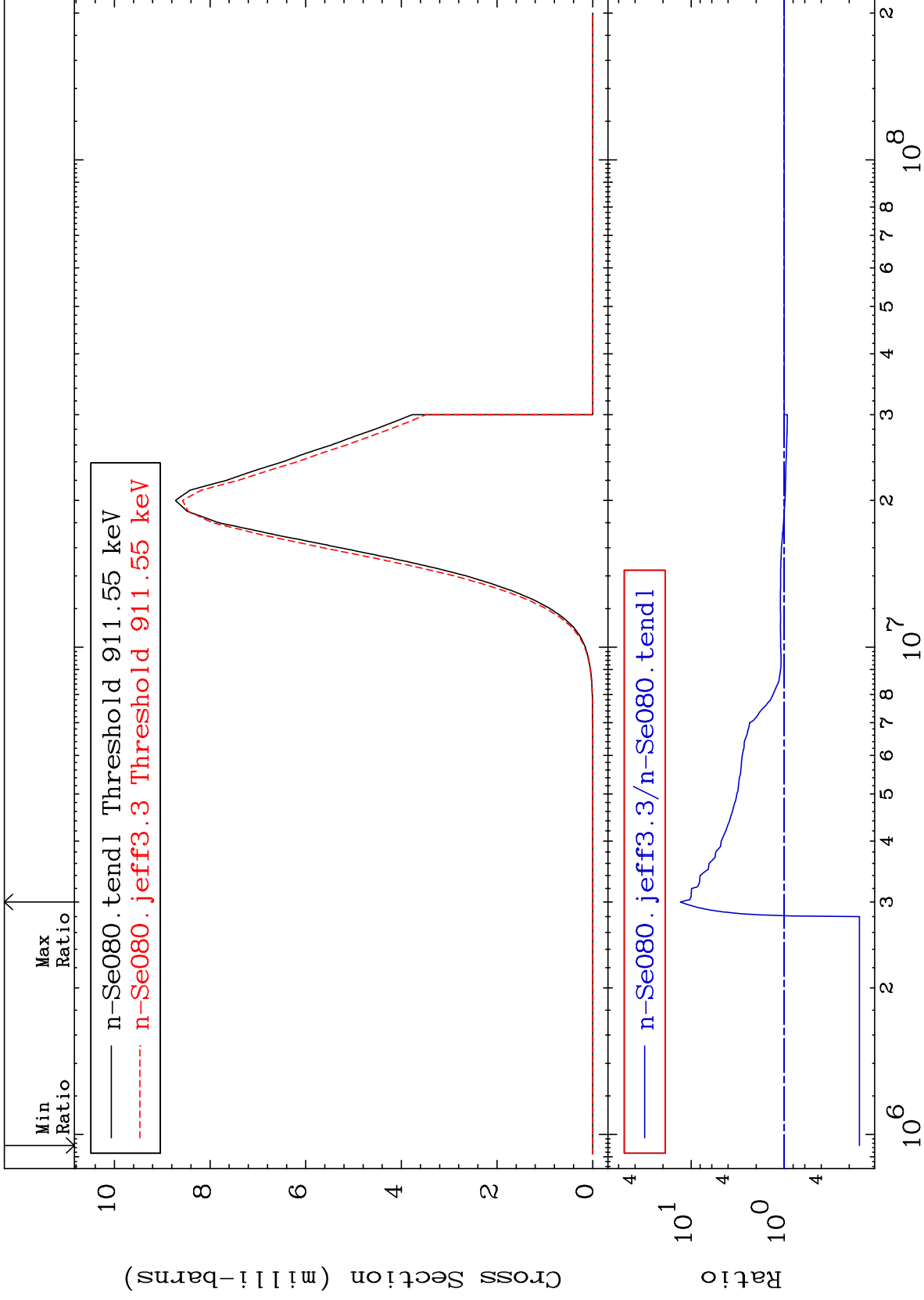
MAT 3443

(n, 4n):34-Se-77m1

34-Se-80

Radionuclide Production Cross Section -4.911 To 0.000 %





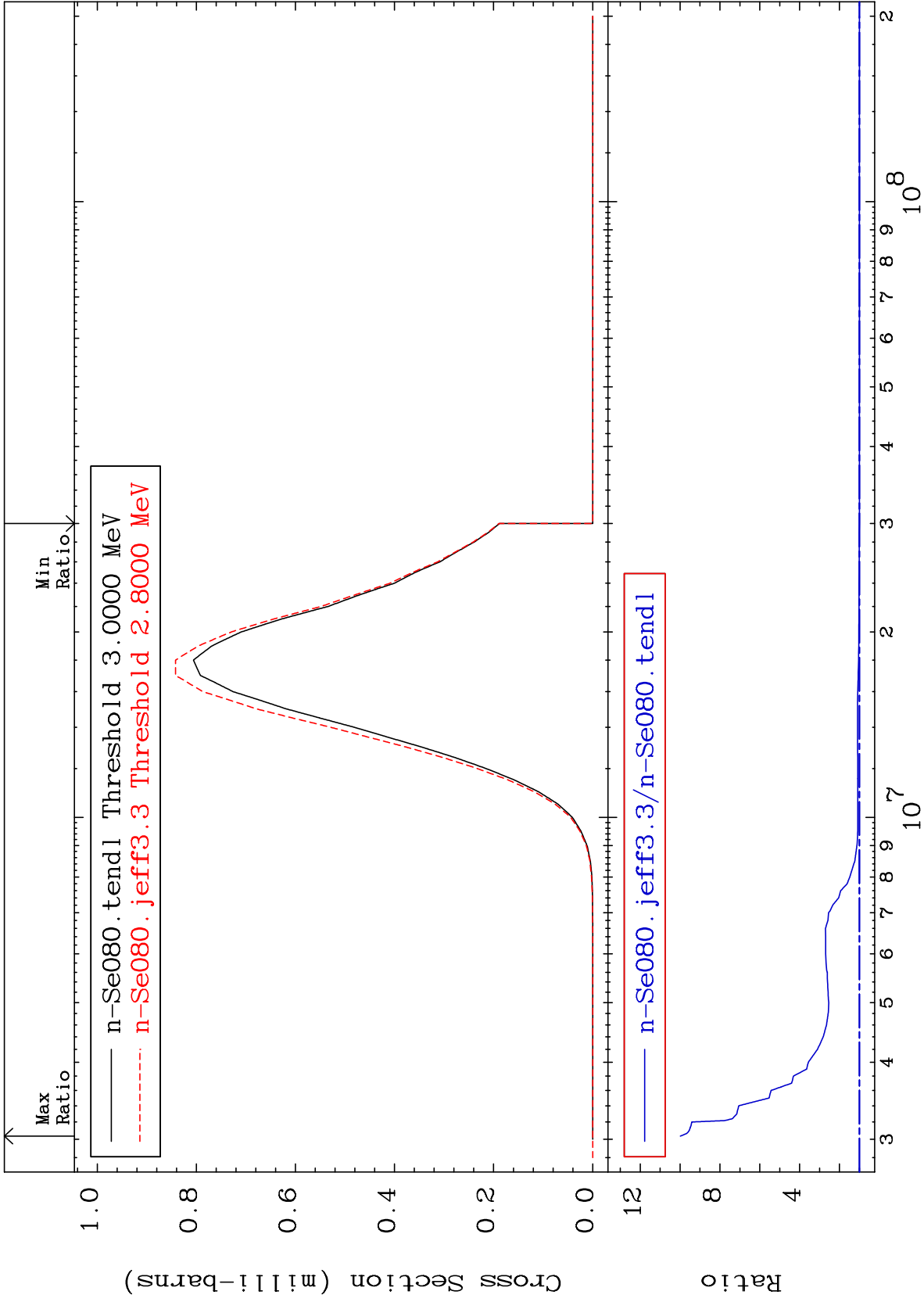


MAT 3443

(n,  $\alpha$ ): 32-Ge-77m1

34-Se-80

Radionuclide Production Cross Section 0.000 To 898.6 %

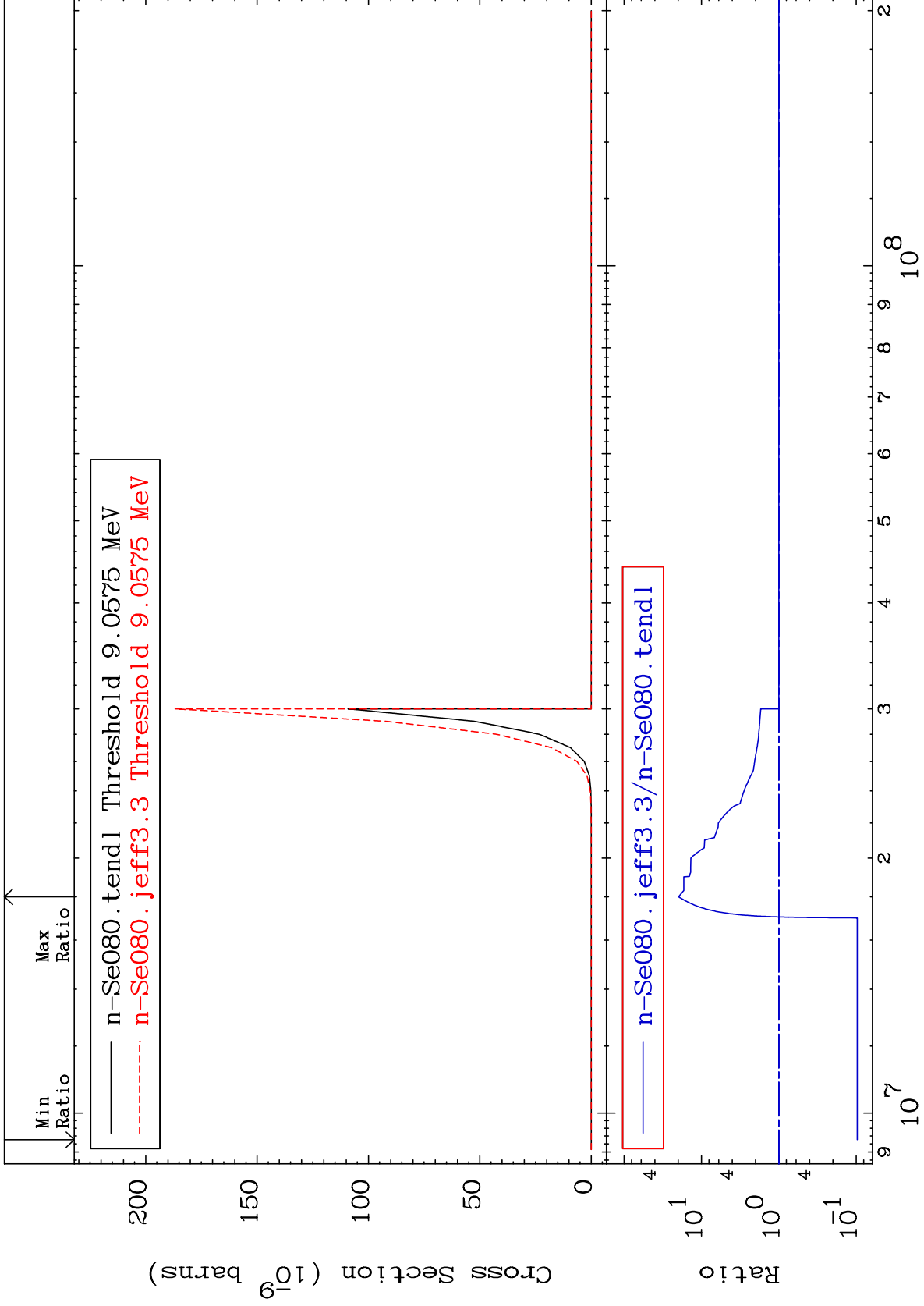


MAT 3443

(n,2α):30-Zn-73g

34-Se-80

Radionuclide Production Cross Section -90.29 To 1873. %



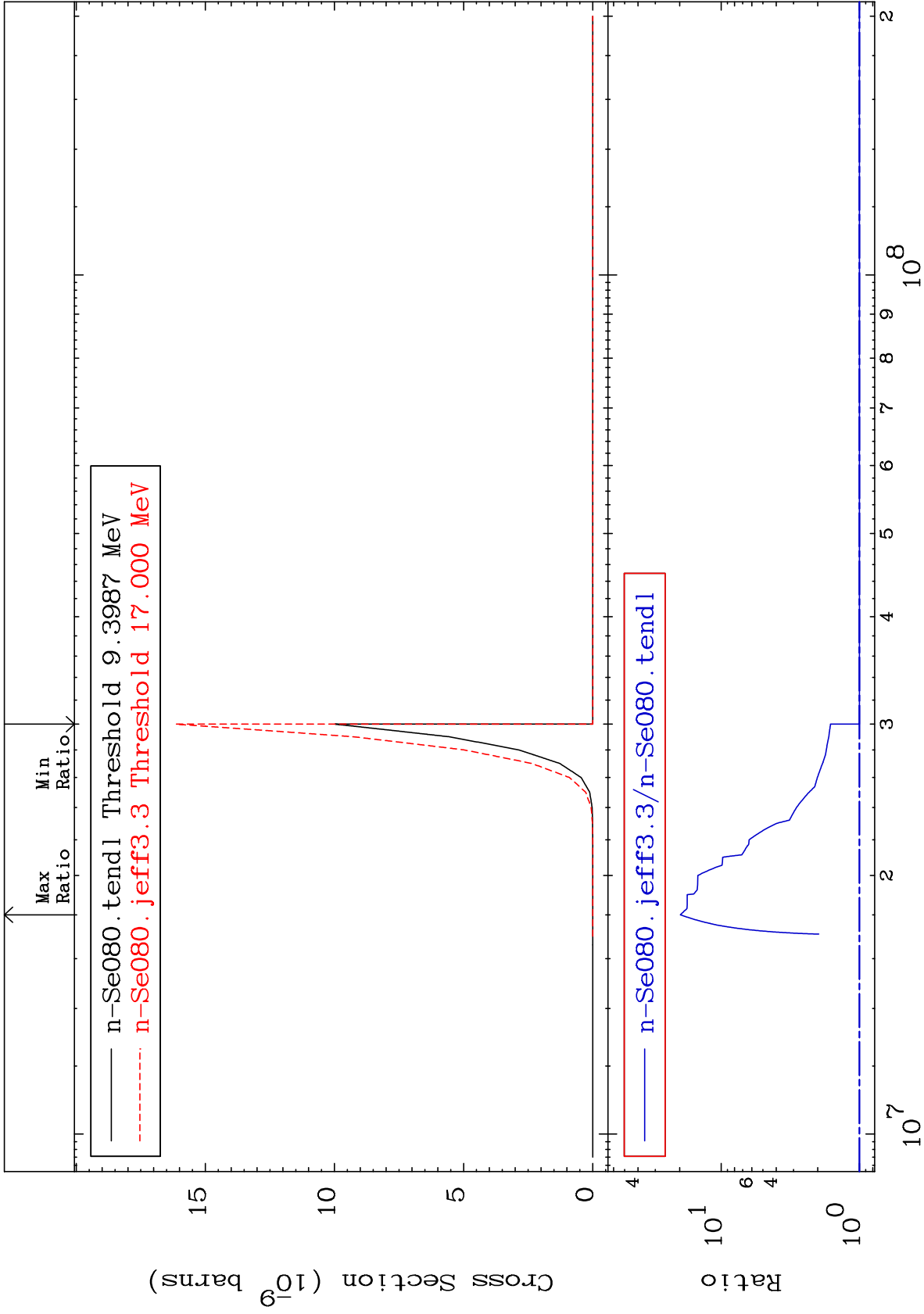
34-Se-80

MAT 3443

(n,2α):30-Zn-73m3

34-Se-80

Radionuclide Production Cross Section 0.000 To 1875. %



91

Incident Energy (eV)

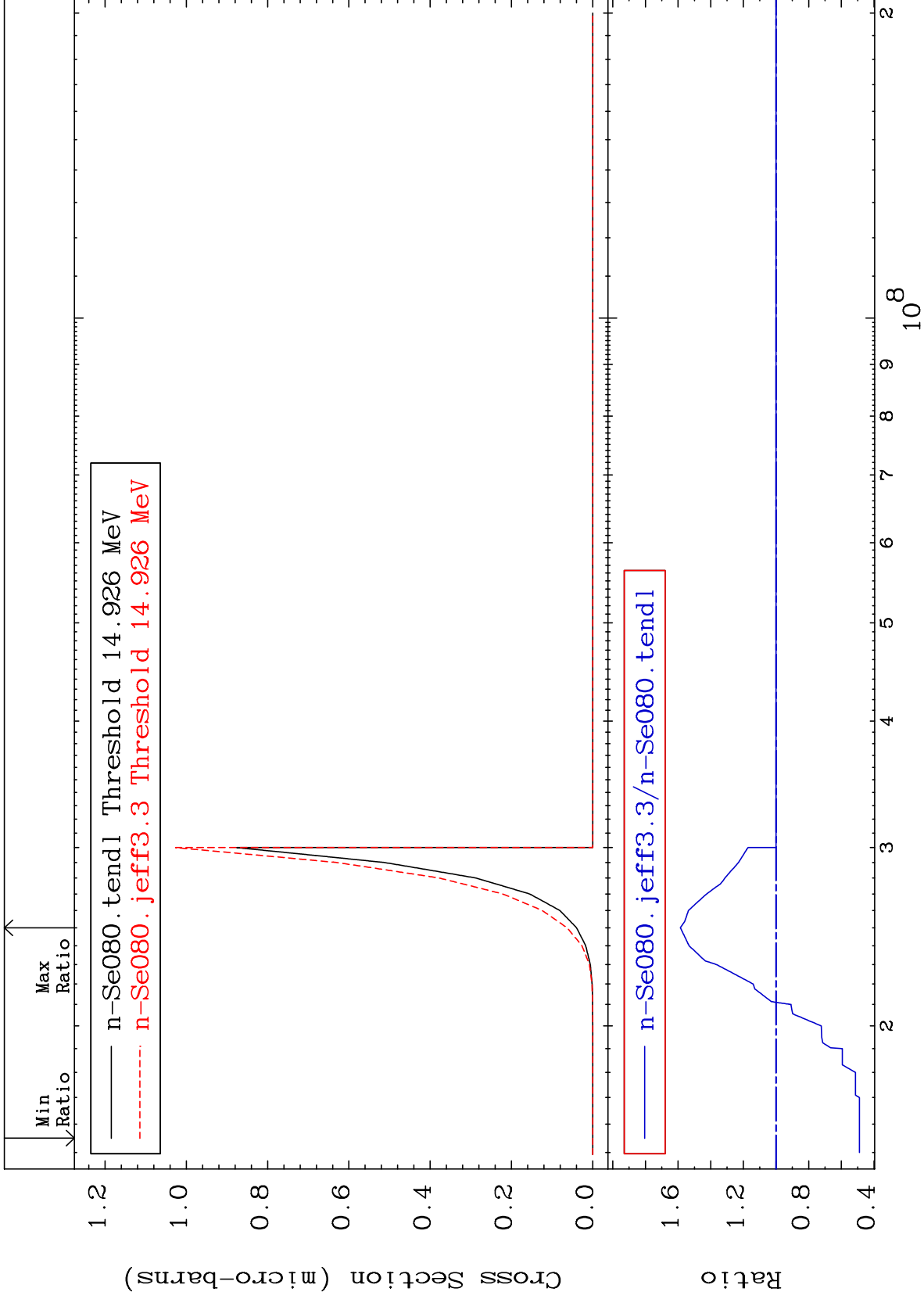
34-Se-80

MAT 3443

(n,2p) : 32-Ge-79g

34-Se-80

Radionuclide Production Cross Section -51.08 To 58.59 %

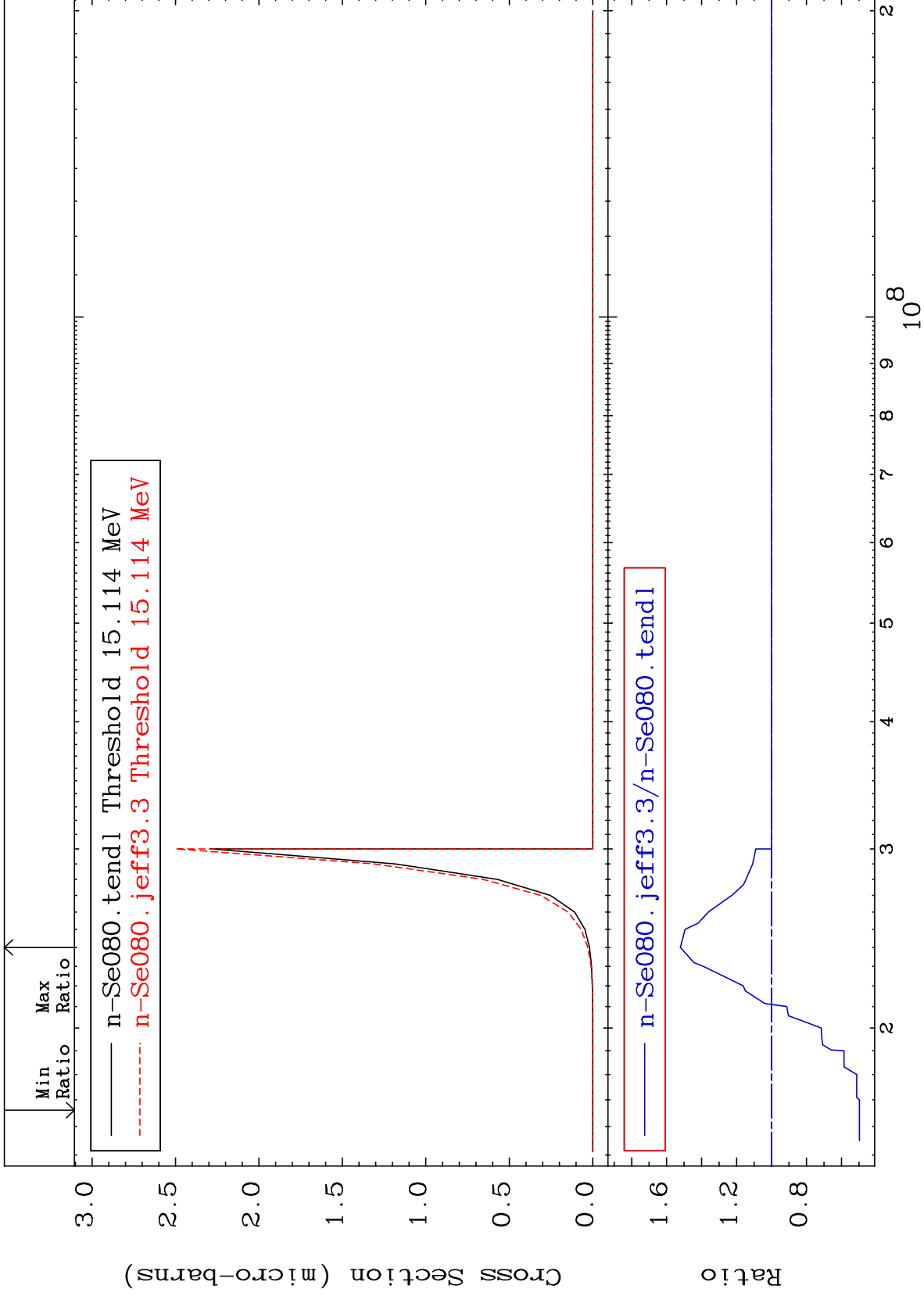


92

Incident Energy (eV)

34-Se-80

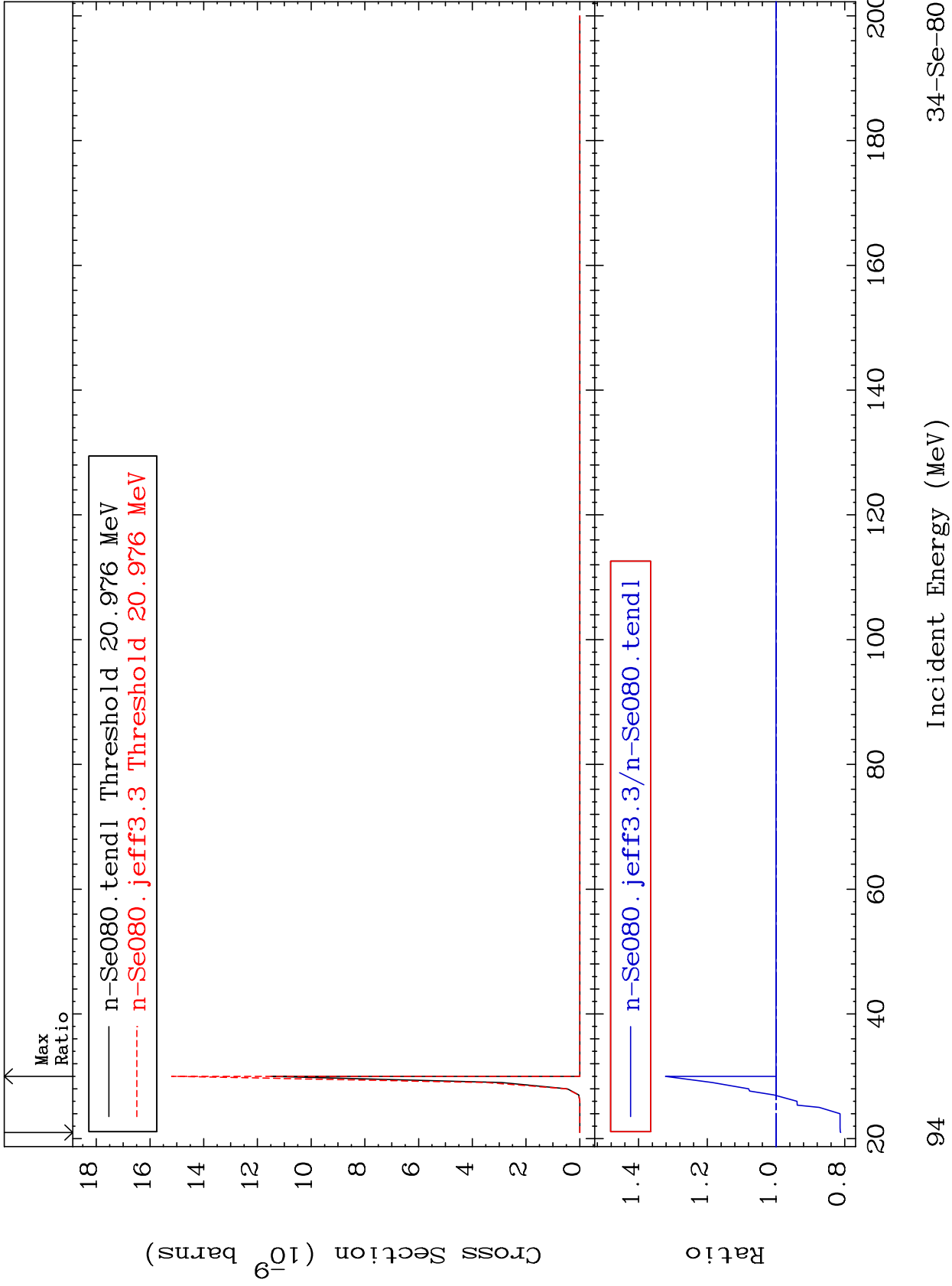
Radionuclide Production Cross Section -50.28 To 52.14 %



MAT 3443

(n, p) t:32-Ge-77g 34-Se-80

Radionuclide Production Cross Section -18.81 To 32.18 %

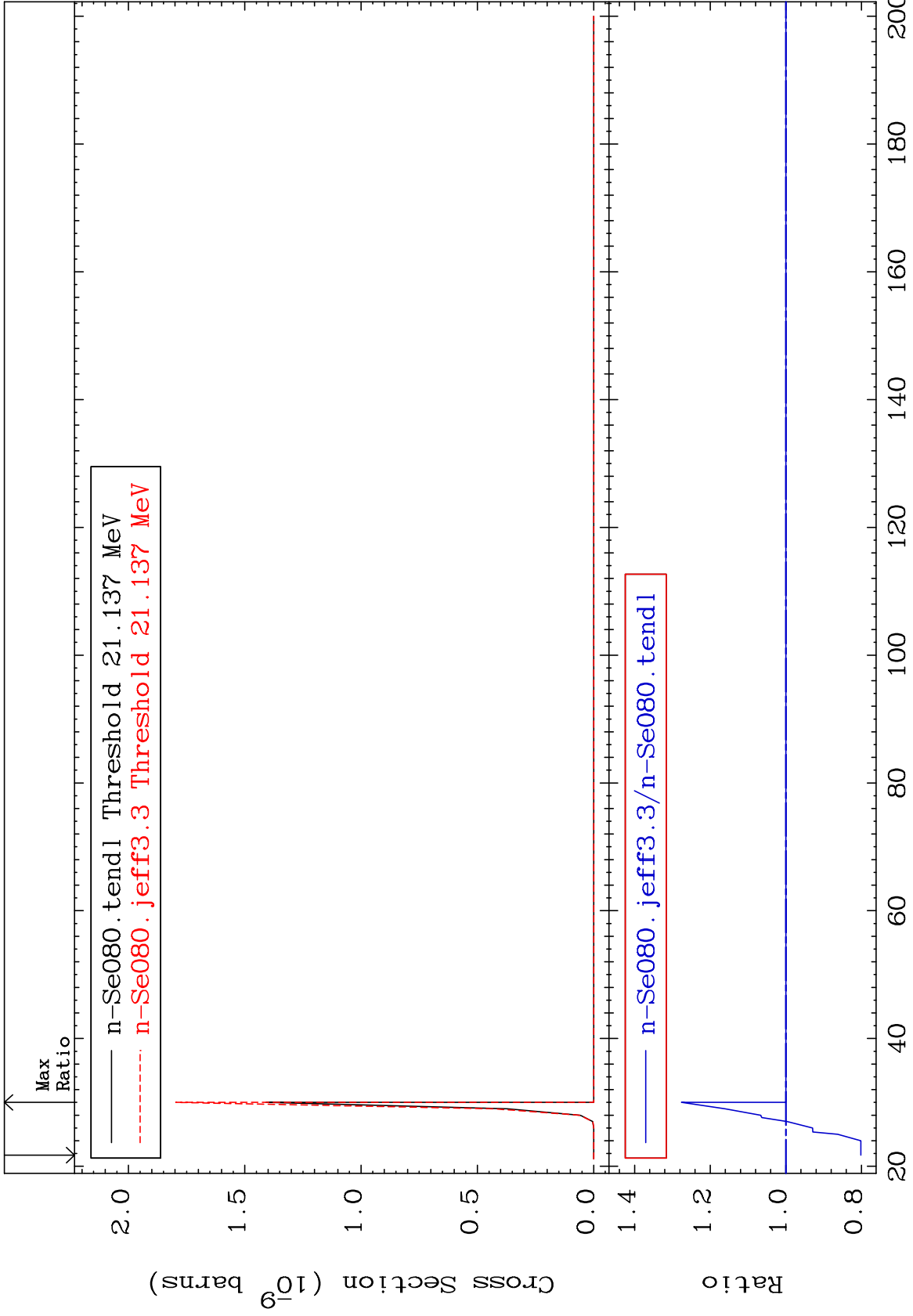


MAT 3443

(n, p) t:32-Ge-77m1

34-Se-80

Radionuclide Production Cross Section -19.85 To 27.59 %



95

Incident Energy (MeV)

34-Se-80