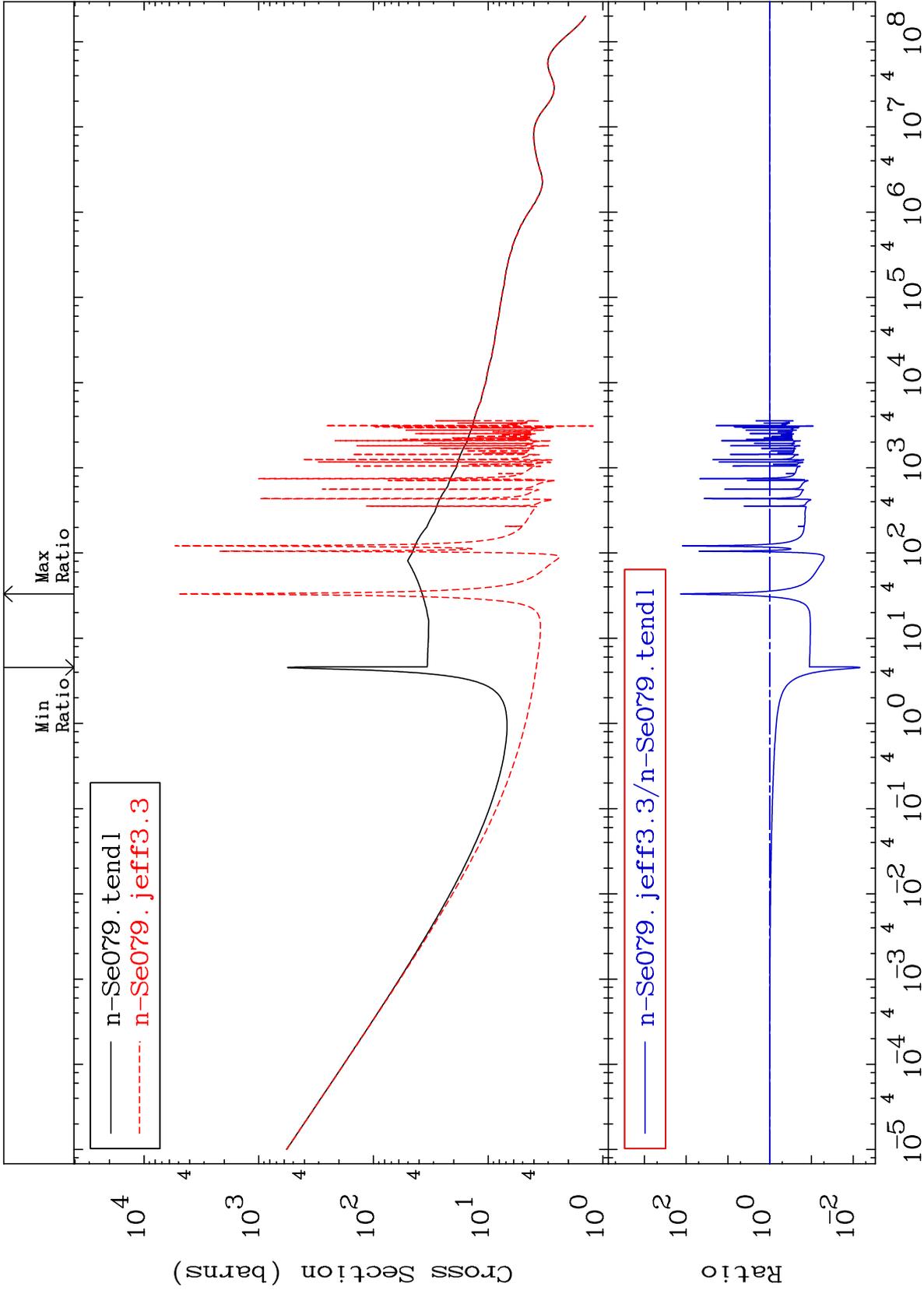


MAT 3440

<sup>34</sup>Se-79

-99.32 To 9999. %

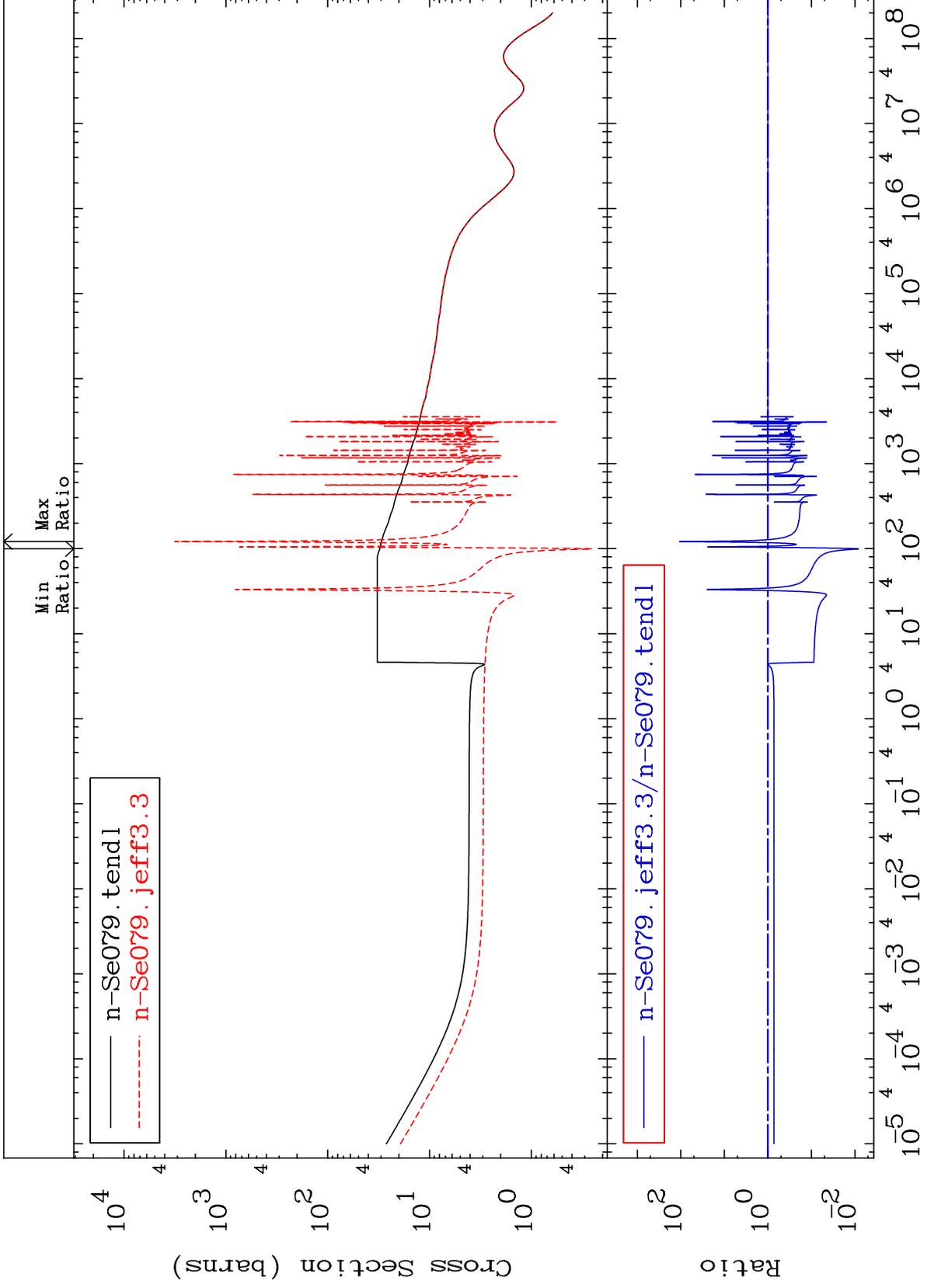


<sup>34</sup>Se-79

MAT 3440

Elastic  
Cross Section

<sup>34</sup>Se-79  
-99.17 To 9999. %



2

Incident Energy (eV)

<sup>34</sup>Se-79

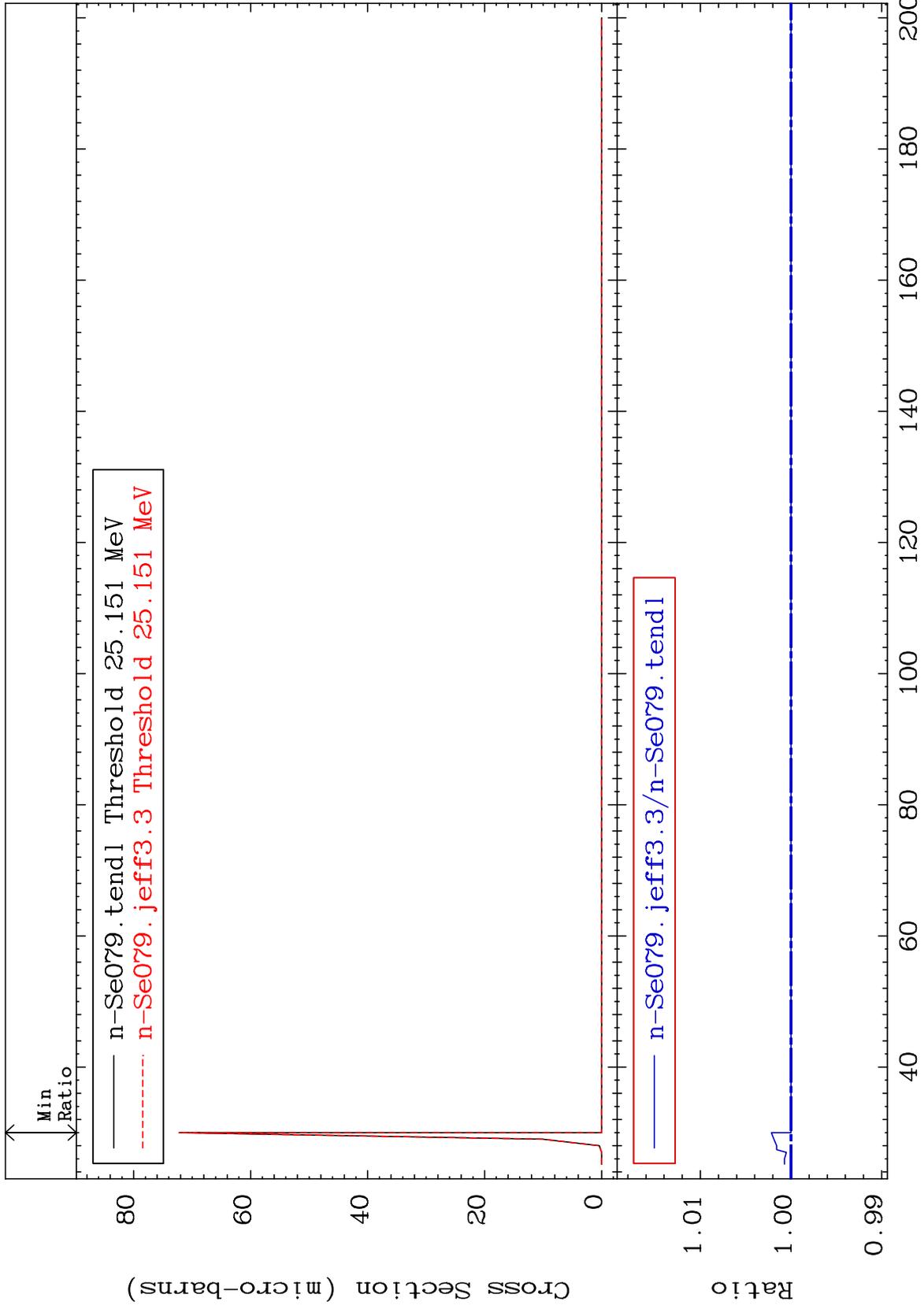
MAT 3440

(n,2n) d

<sup>34</sup>Se-79

Cross Section

0.000 To 0.216 %



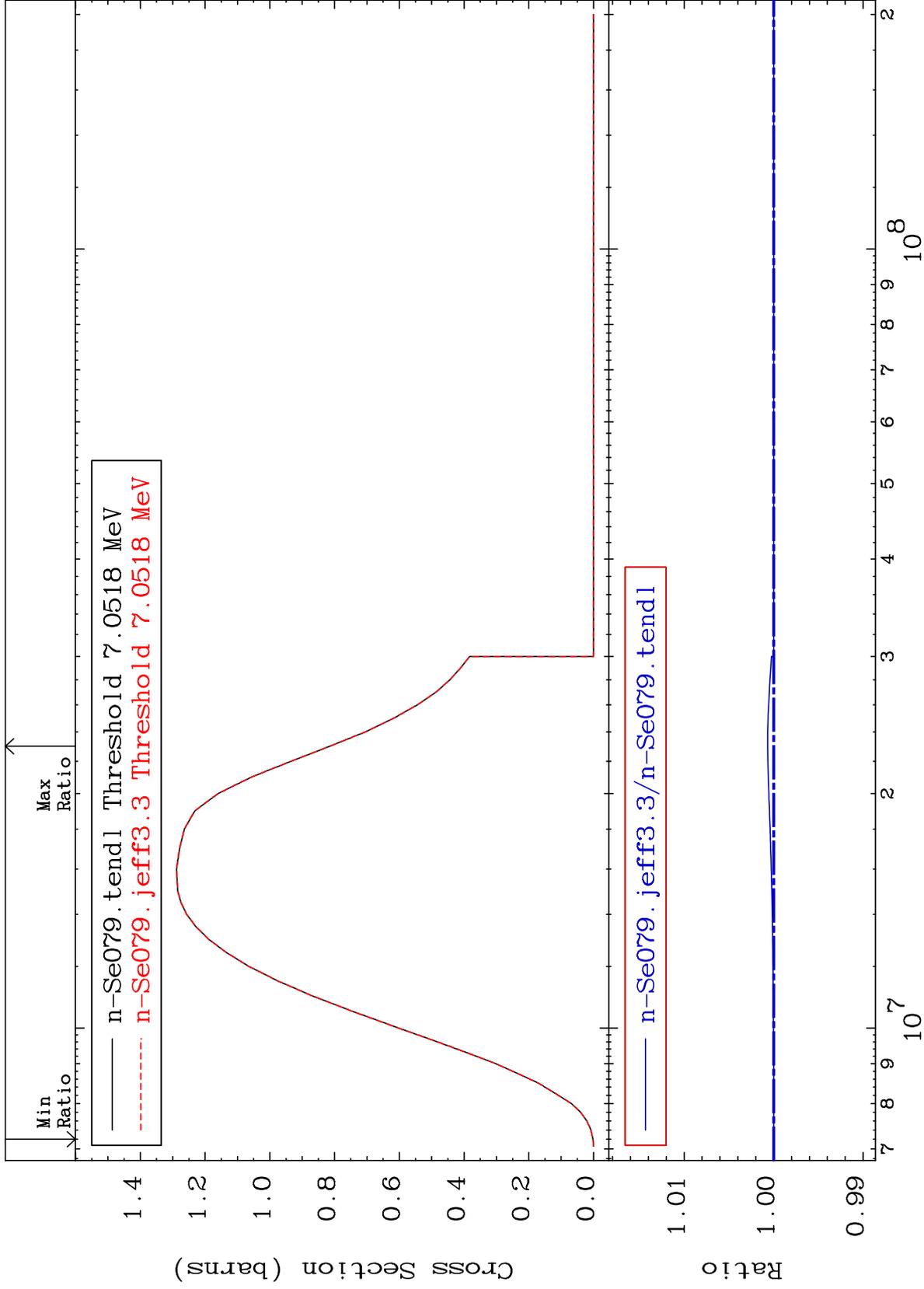
MAT 3440

(n,2n)

<sup>34</sup>Se-79

Cross Section

-0.001 To 0.067 %



4

Incident Energy (eV)

<sup>34</sup>Se-79

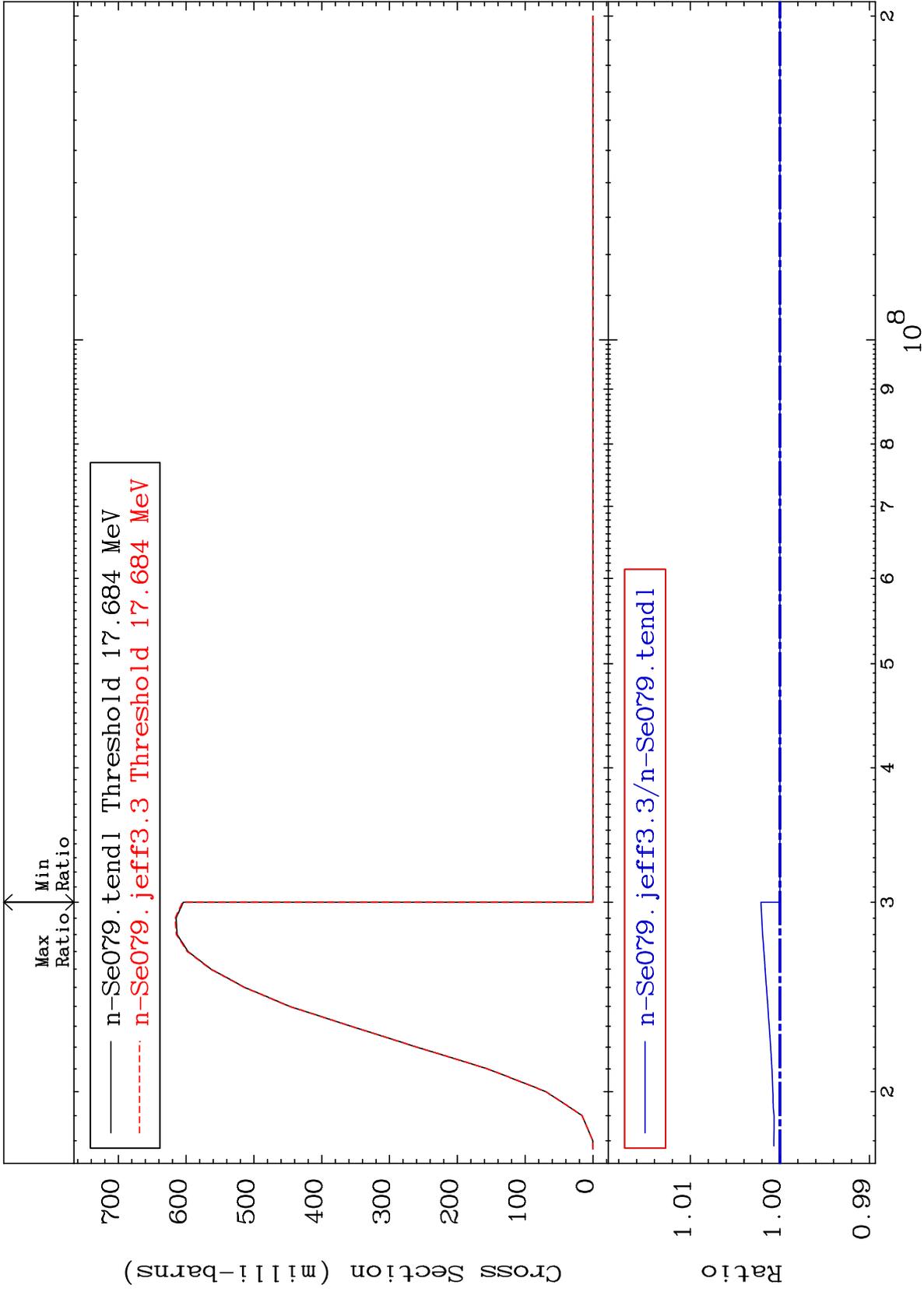
MAT 3440

(n,3n)

<sup>34</sup>Se-79

Cross Section

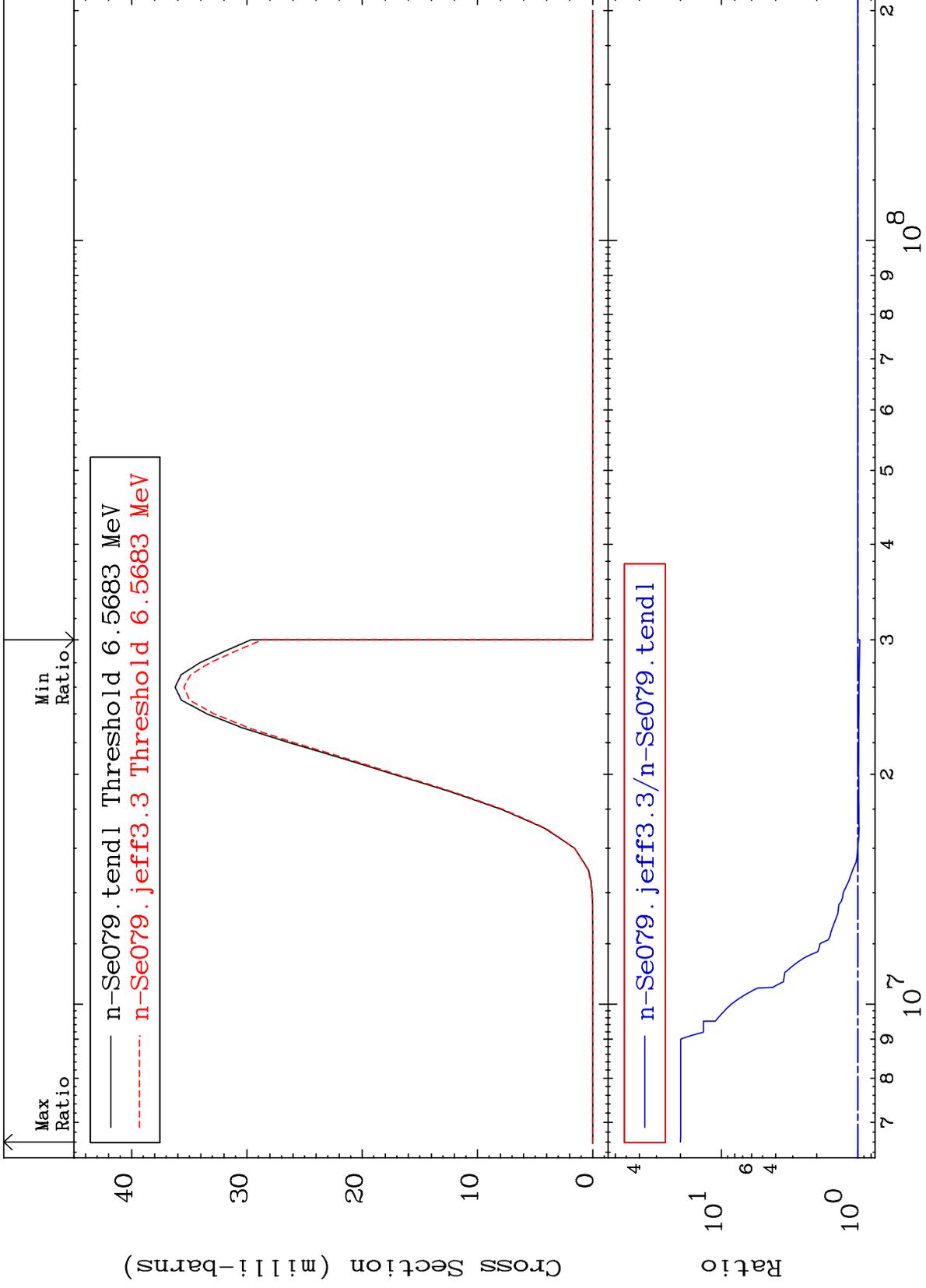
0.000 To 0.212 %



MAT 3440

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

<sup>34</sup>Se-79  
-3.340 To 1897. %



6

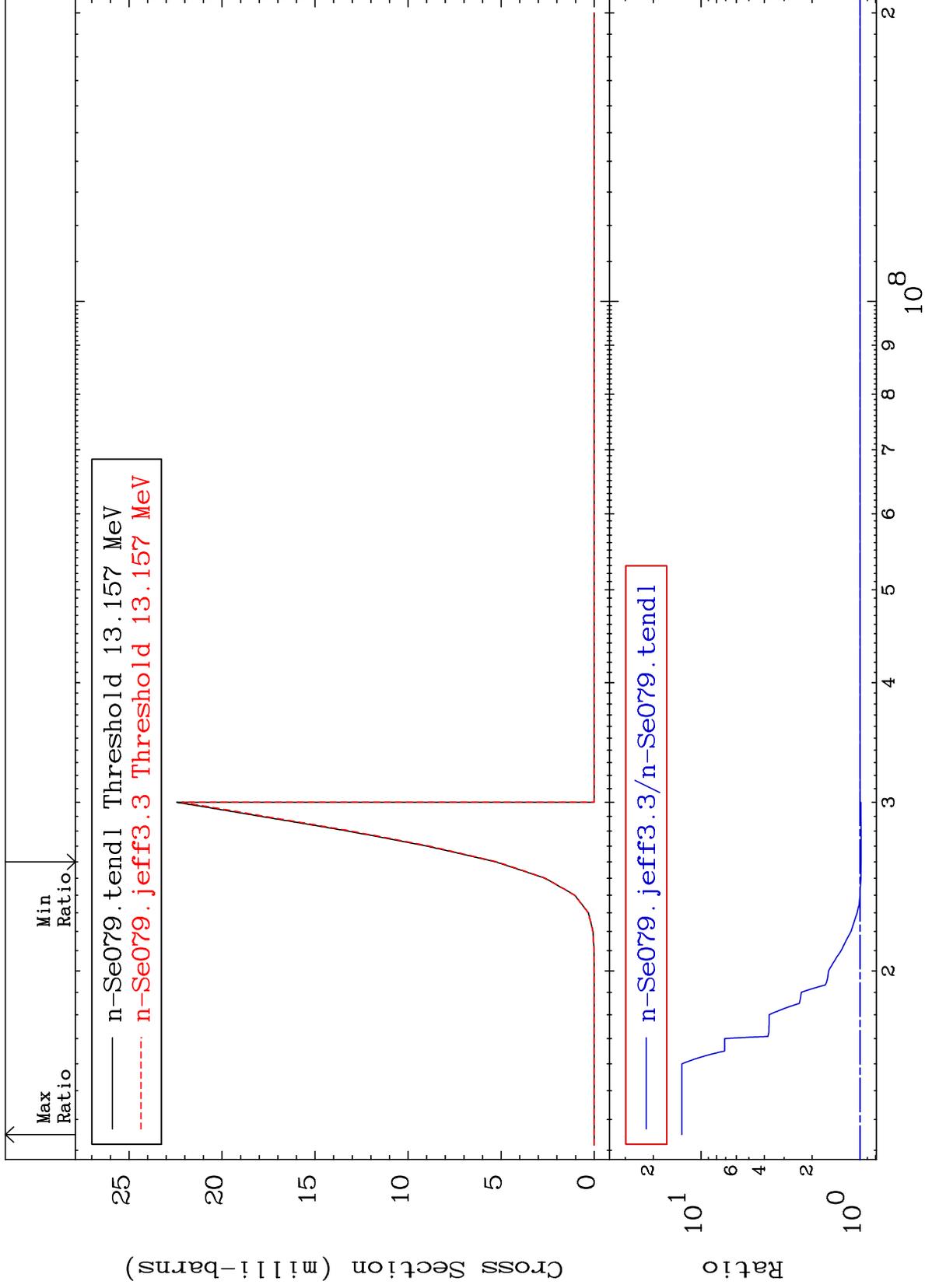
Incident Energy (eV)

<sup>34</sup>Se-79

MAT 3440

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

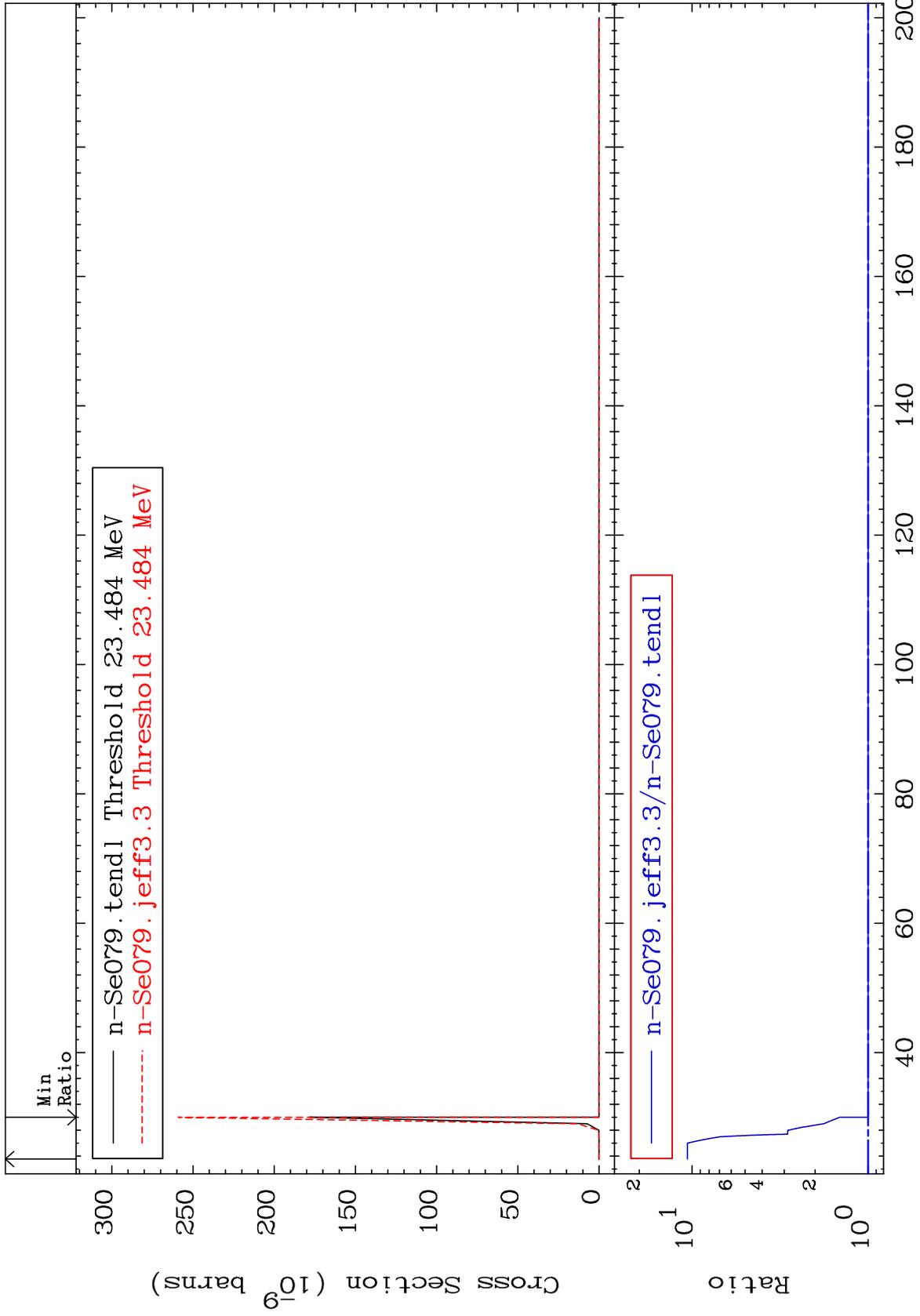
<sup>34</sup>Se-79  
-1.570 To 1220. %



MAT 3440

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

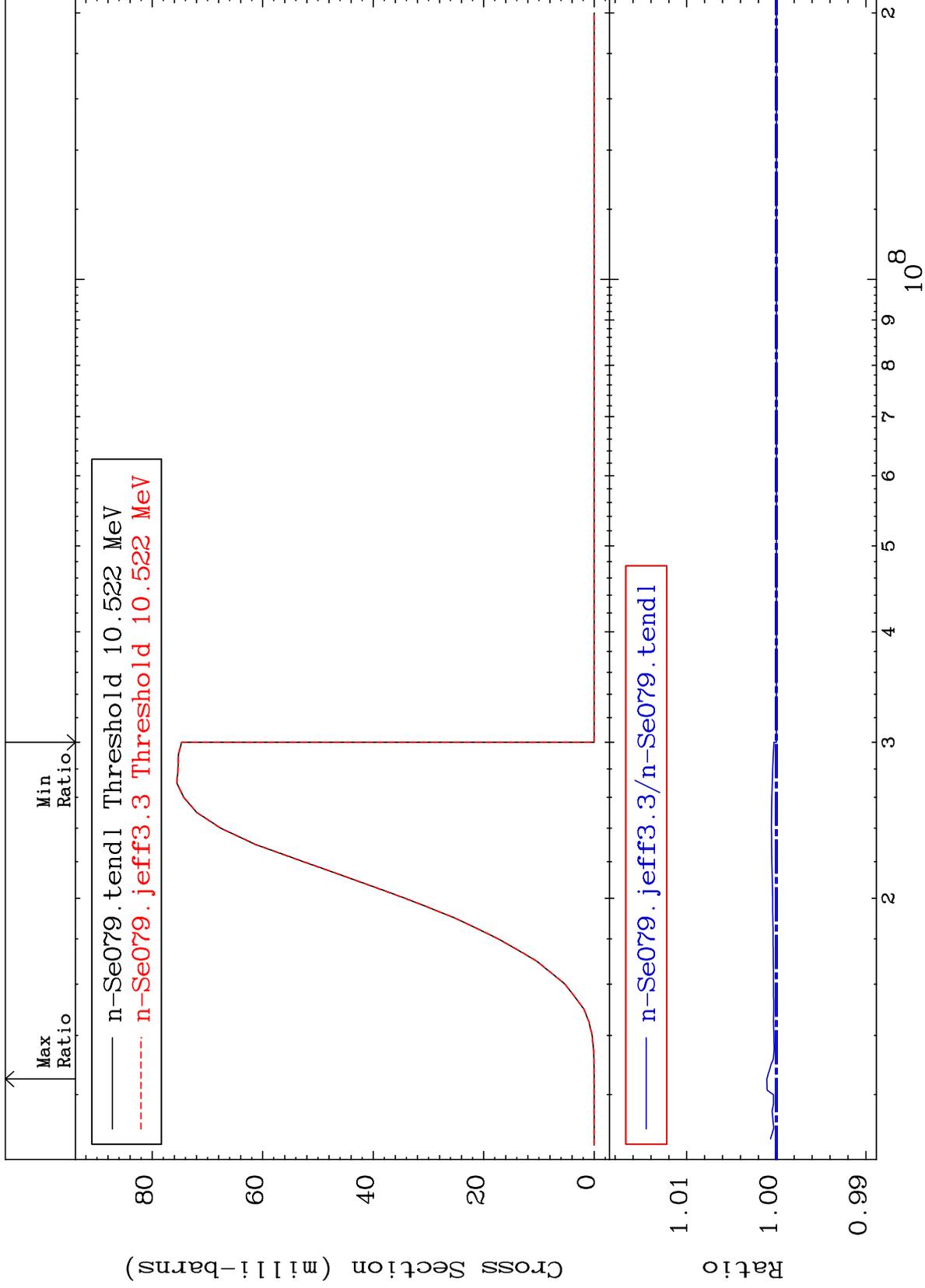
$^{34}\text{Se-79}$   
To 962.9 %  
0.000



MAT 3440

(n,n') p  
Cross Section

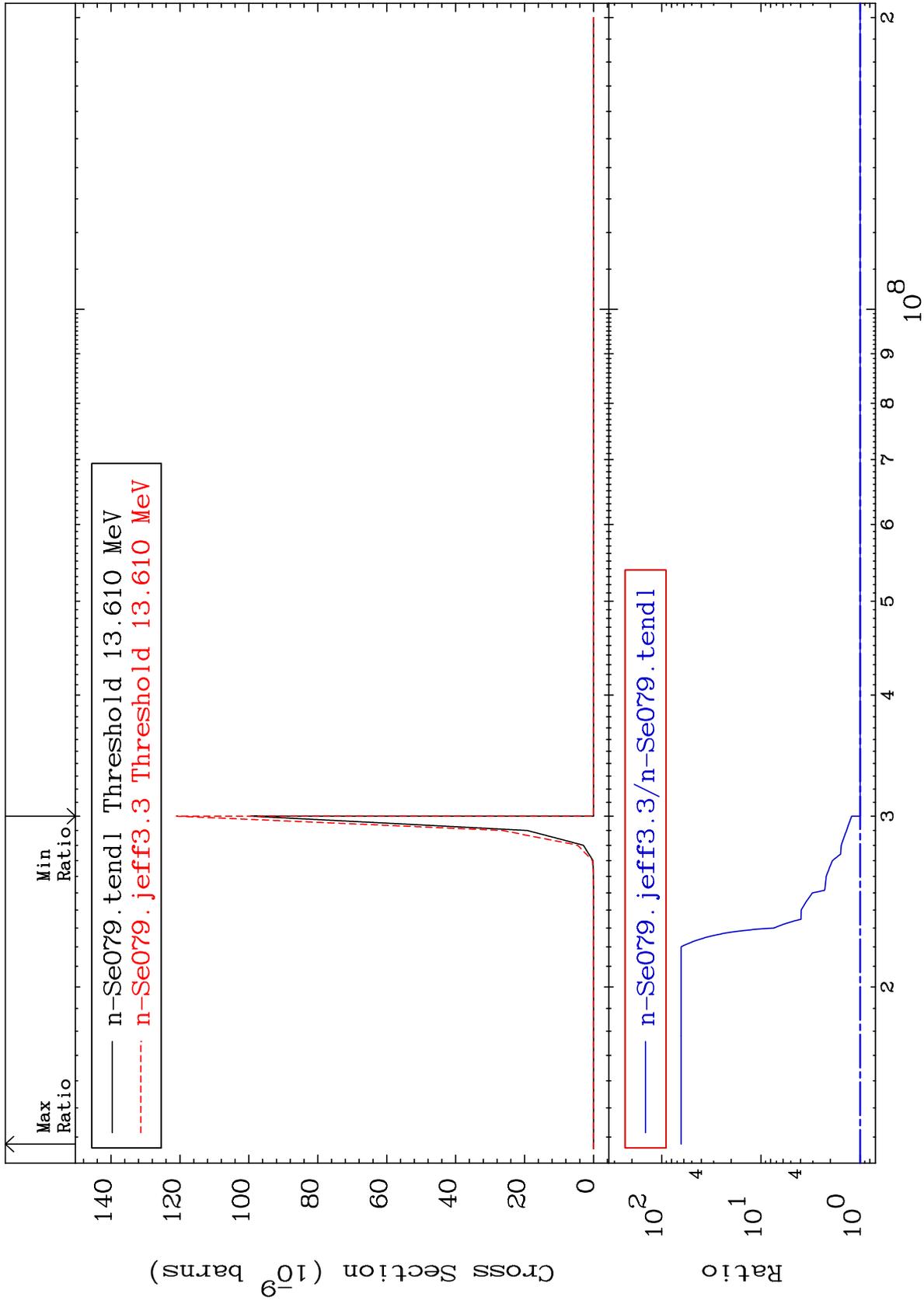
<sup>34</sup>Se-79  
To 0.107 %



MAT 3440

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

$^{34}\text{Se-79}$   
0.000 To 6283. %



10

Incident Energy (eV)

$^{34}\text{Se-79}$

MAT 3440

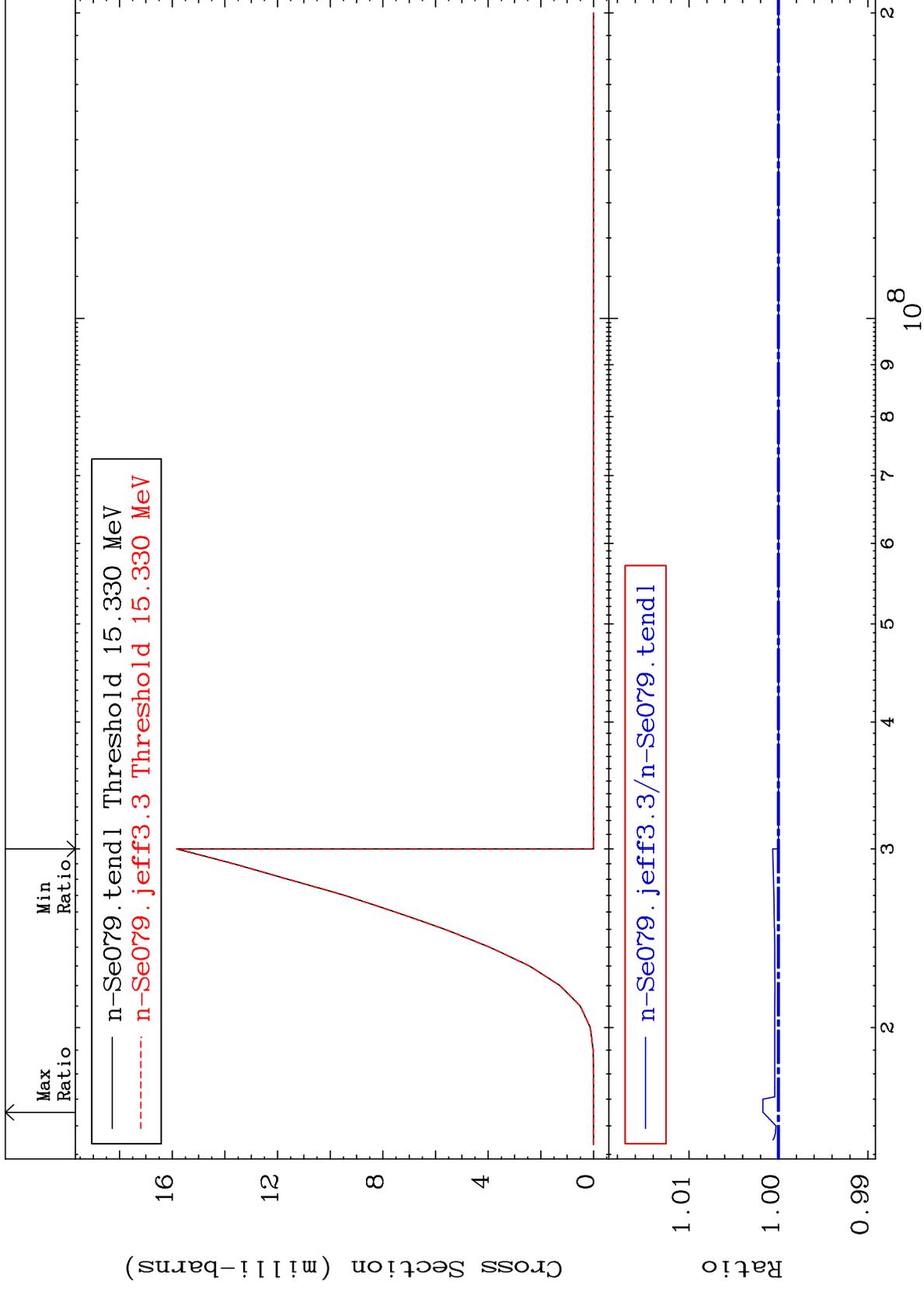
(n,n') d

<sup>34</sup>Se-79

Cross Section

0.000

To 0.173 %



MAT 3440

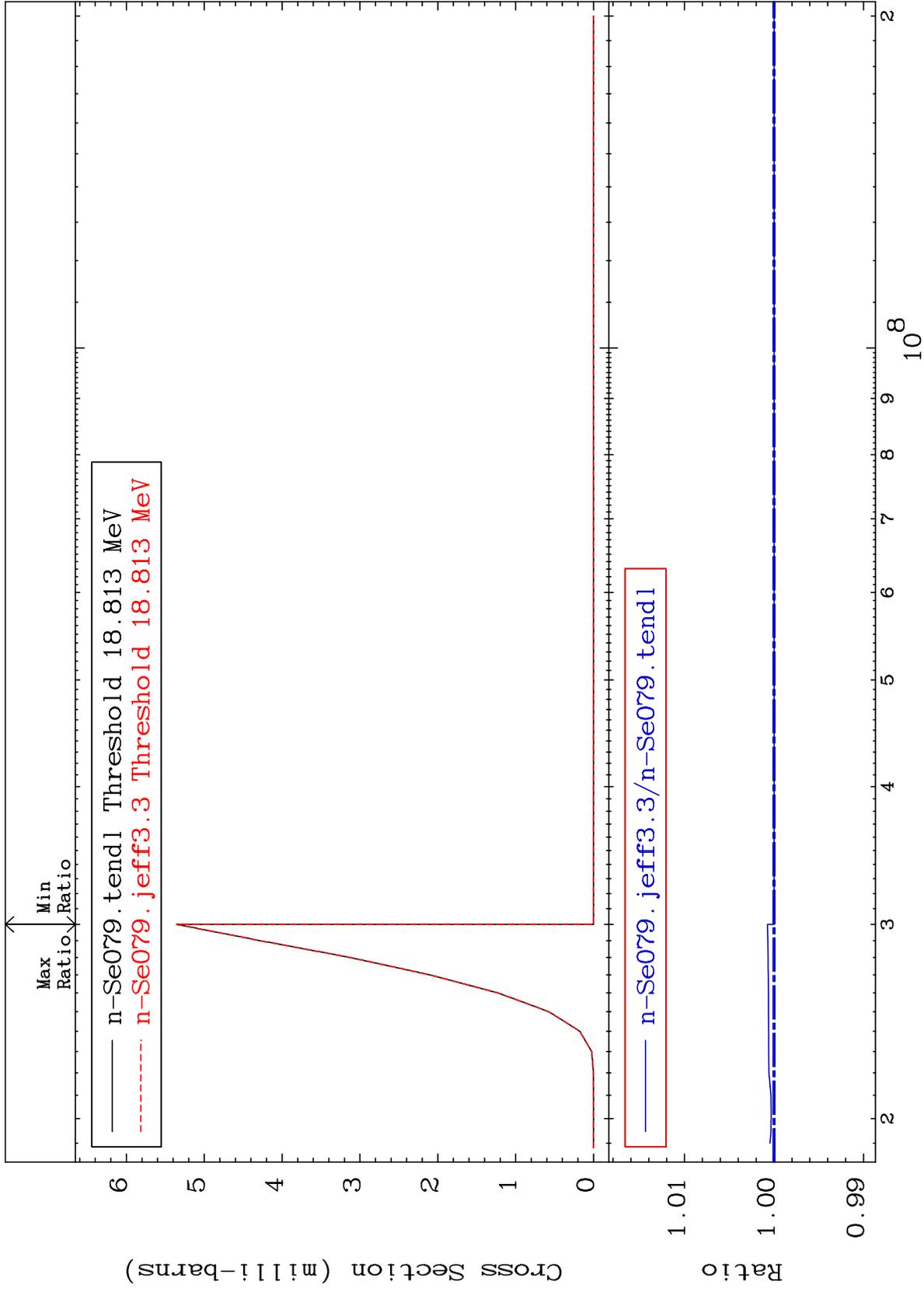
(n,n') t

<sup>34</sup>Se-79

Cross Section

0.000

To 0.075 %



12

Incident Energy (eV)

<sup>34</sup>Se-79



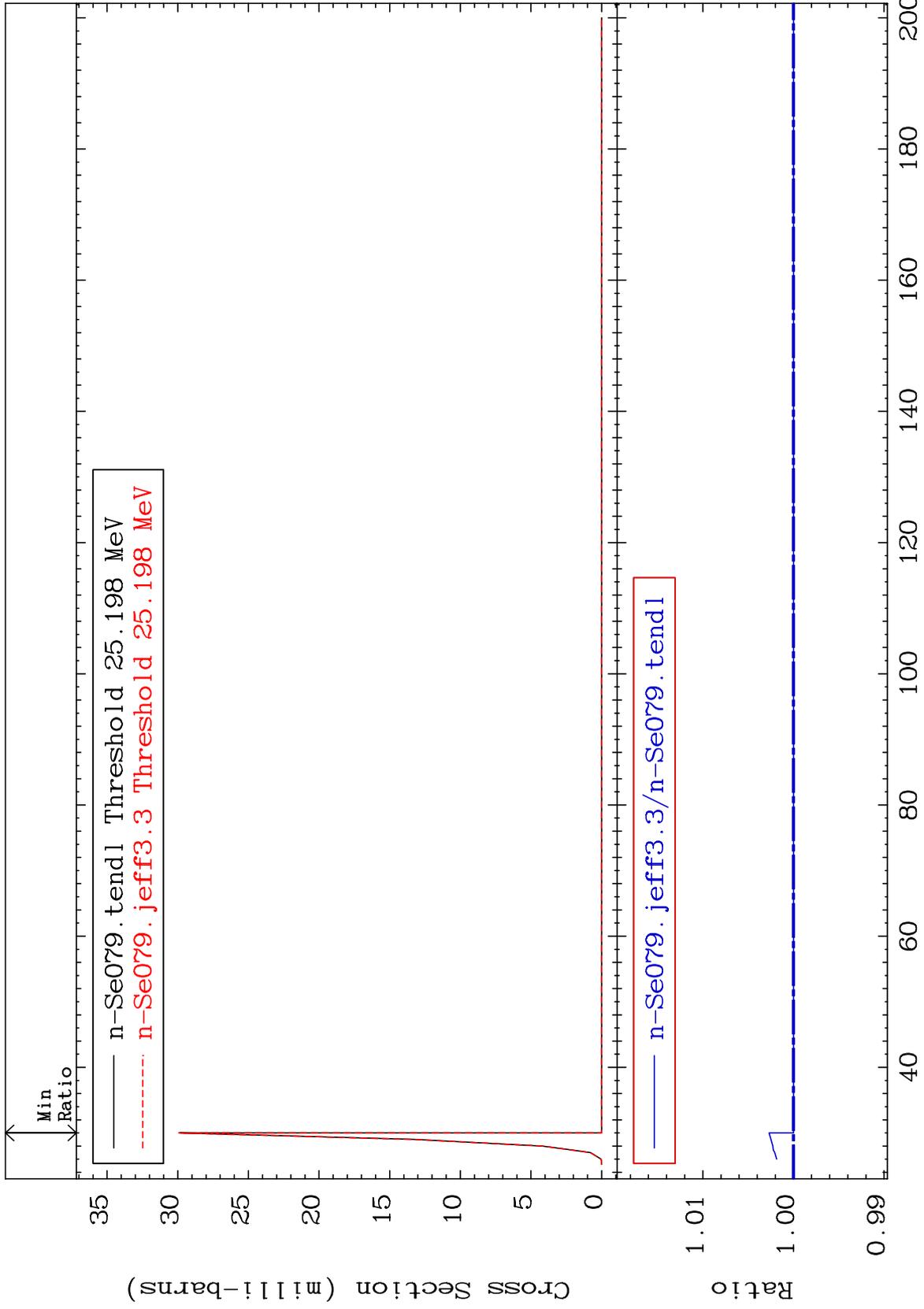
MAT 3440

(n,4n)

<sup>34</sup>Se-79

Cross Section

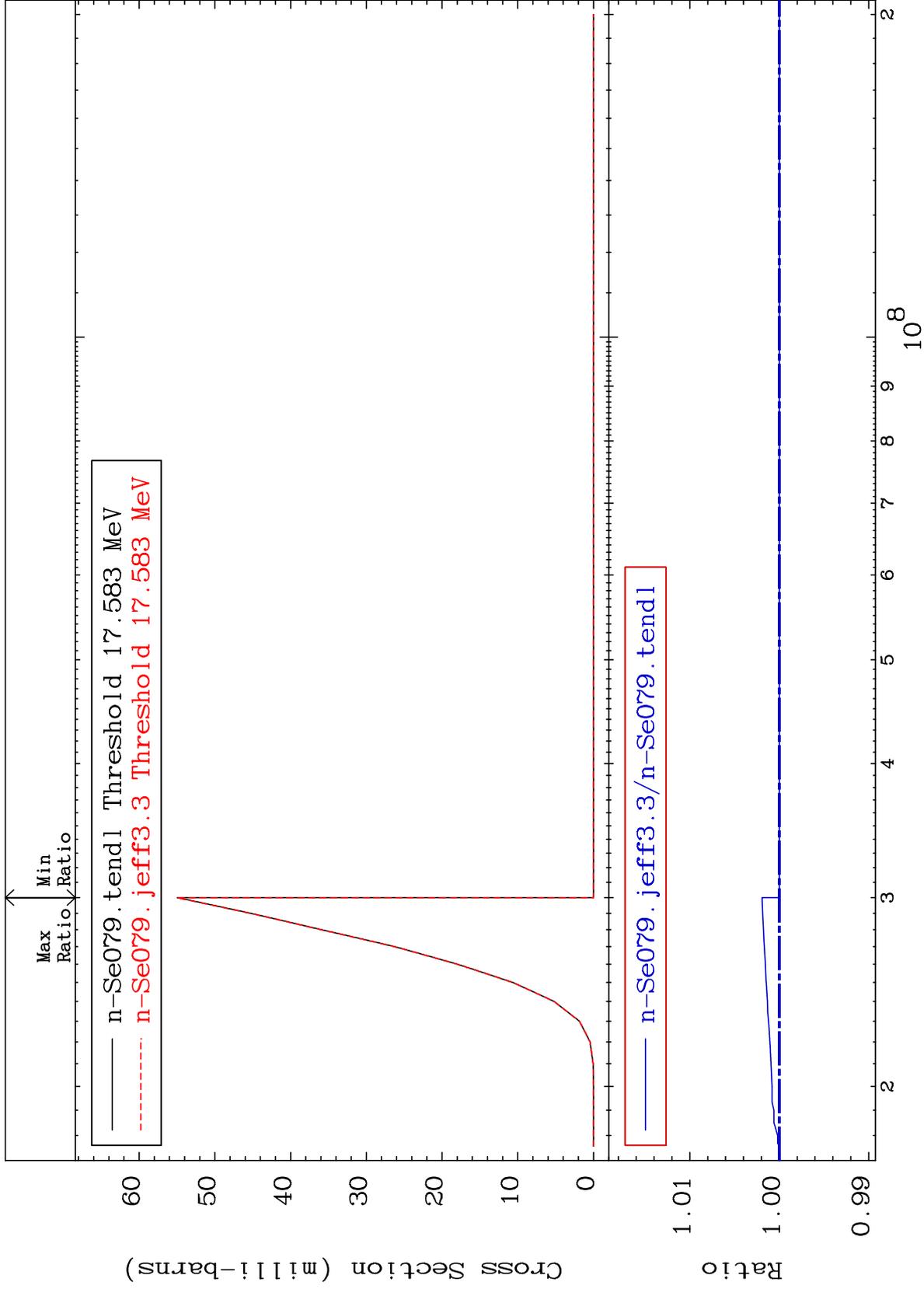
0.000 To 0.270 %



MAT 3440

(n,2n) p  
Cross Section

<sup>34</sup>Se-79  
To 0.192 %



15

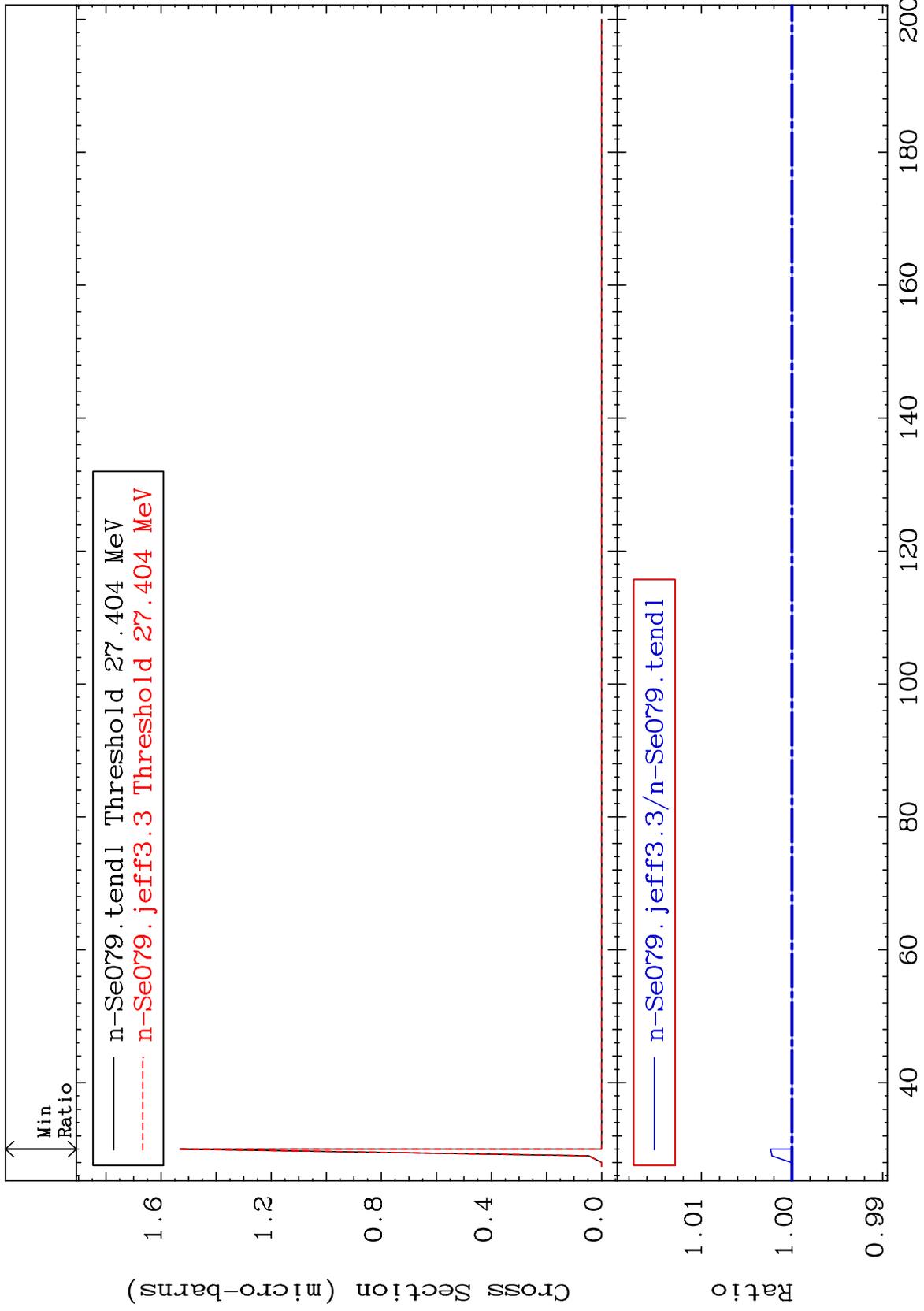
Incident Energy (eV)

<sup>34</sup>Se-79

MAT 3440

(n,3n) p  
Cross Section

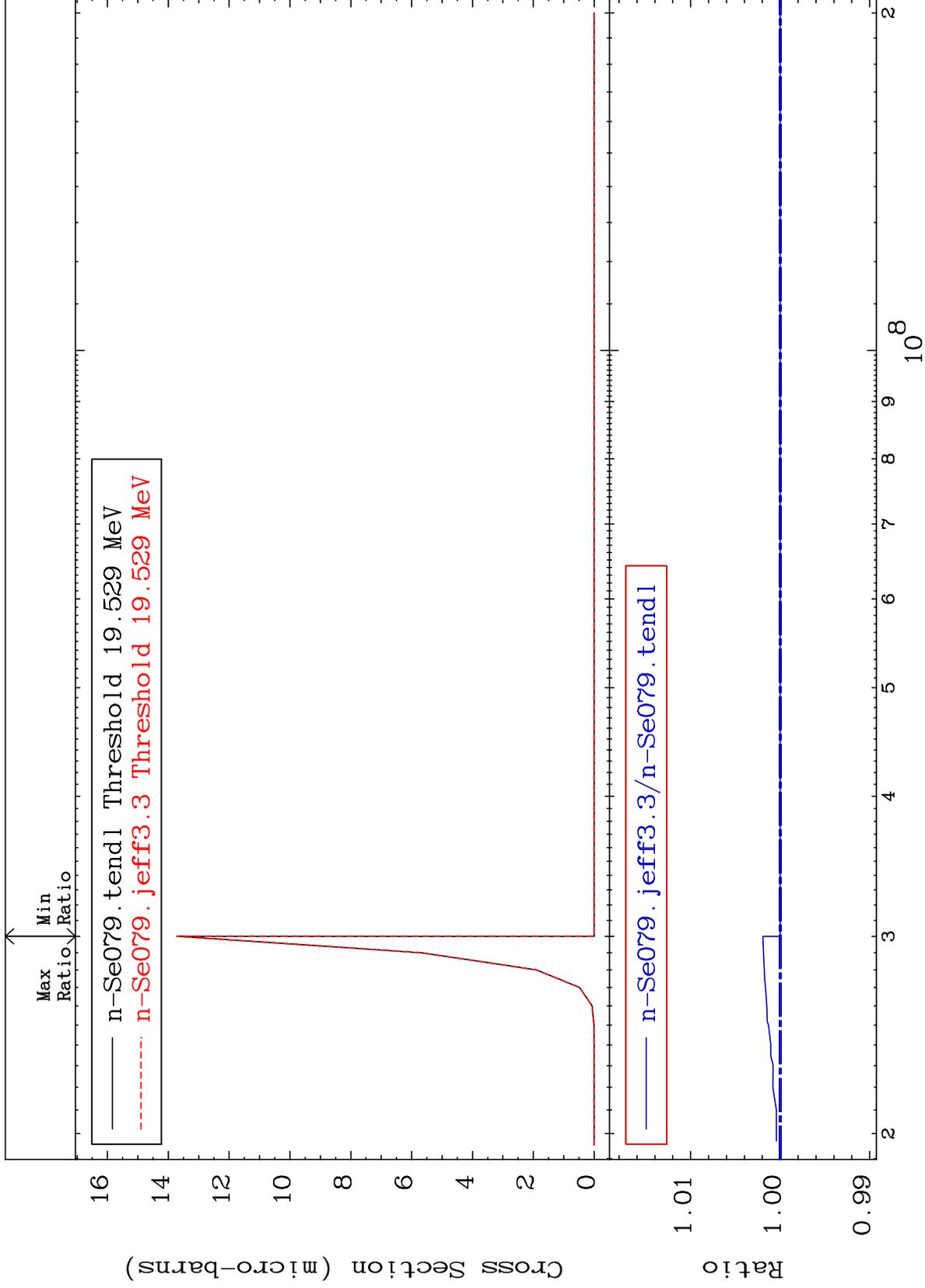
<sup>34</sup>Se-79  
0.000 To 0.238 %



MAT 3440

(n,2n) p  
Cross Section

<sup>34</sup>Se-79  
To 0.194 %



17

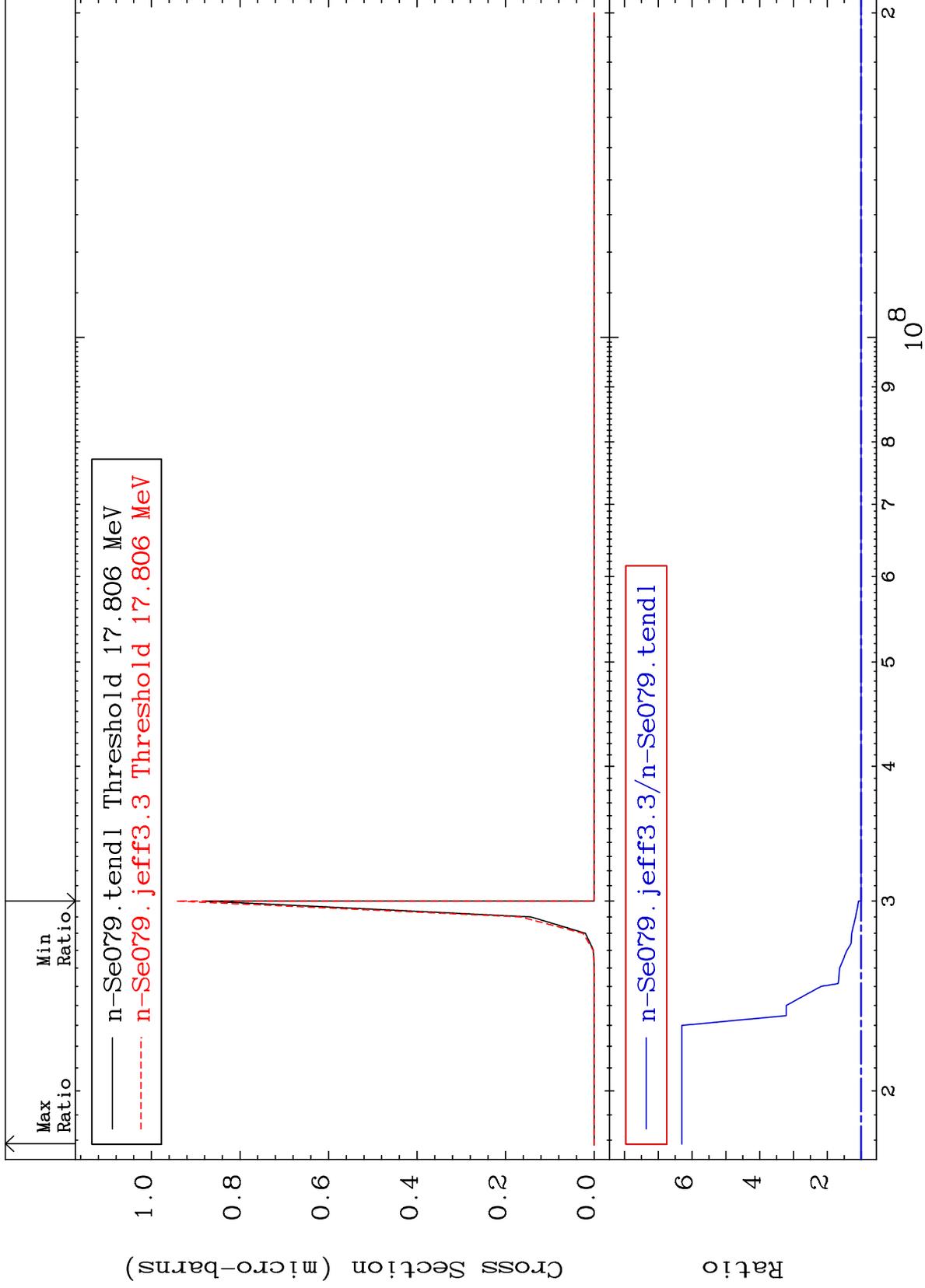
Incident Energy (eV)

<sup>34</sup>Se-79

MAT 3440

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

<sup>34</sup>Se-79  
0.000 To 529.9 %



18

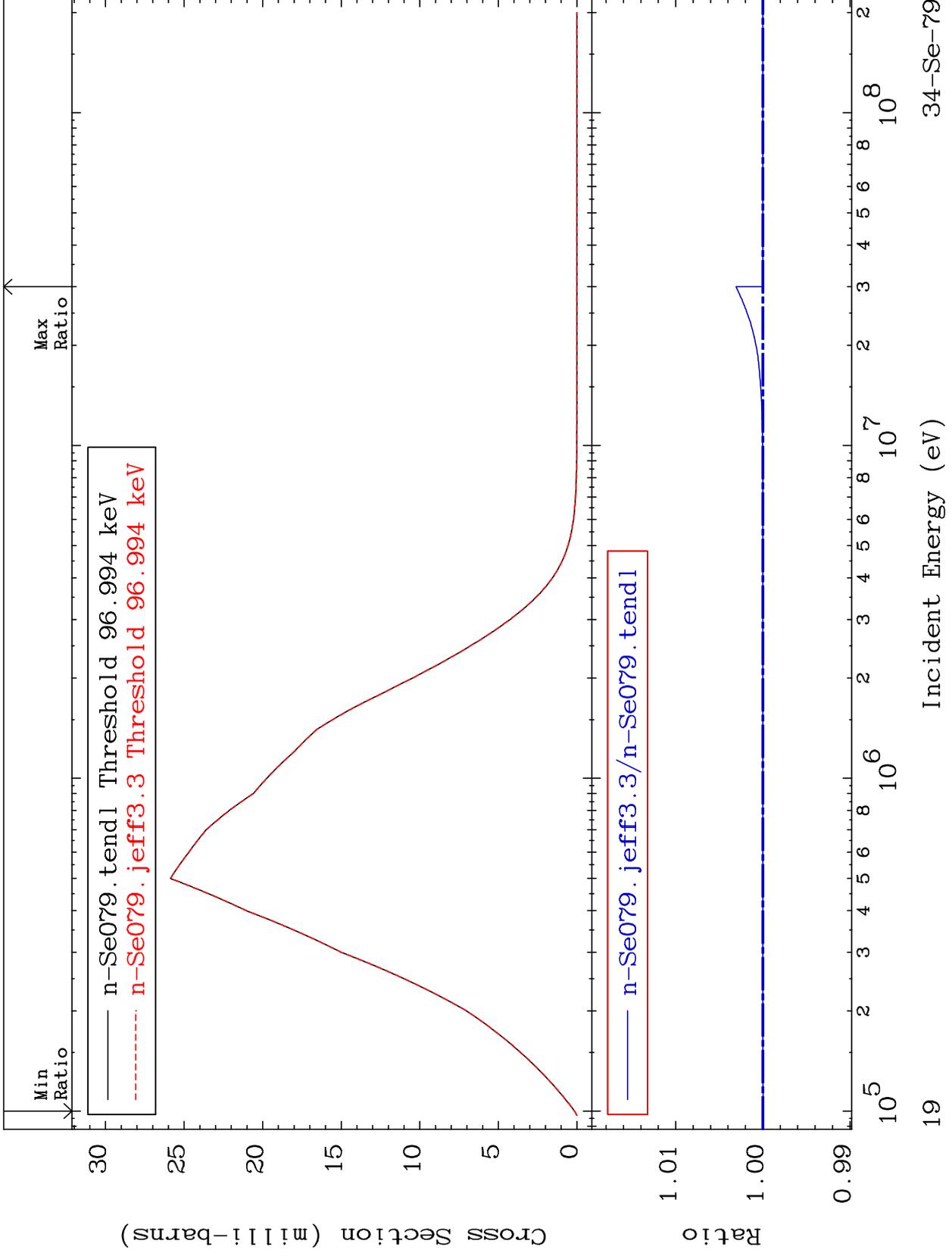
Incident Energy (eV)

<sup>34</sup>Se-79

MAT 3440

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

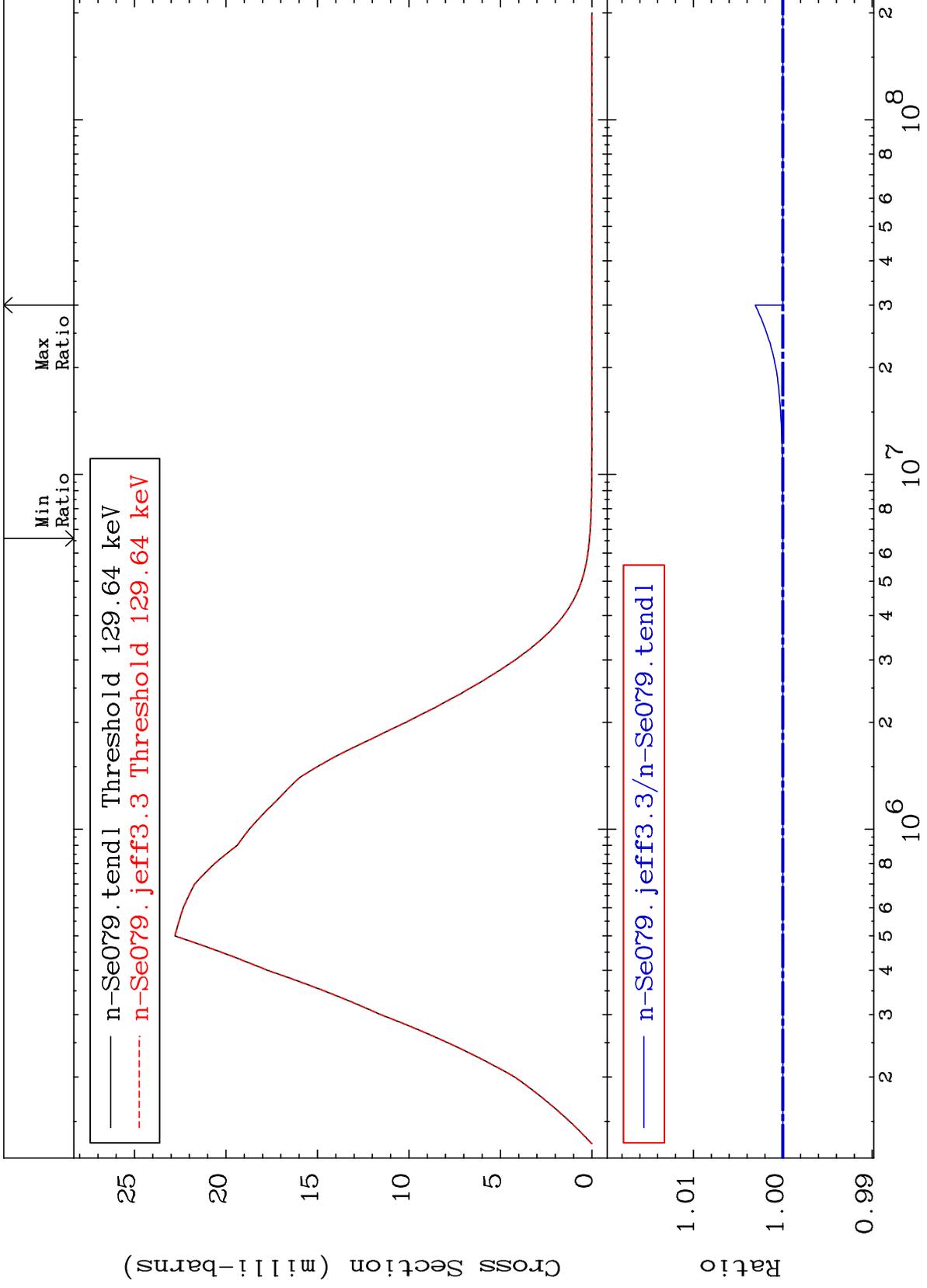
<sup>34</sup>Se-79  
-0.004 To 0.309 %



MAT 3440

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

34-Se-79  
0.000 To 0.309 %



20

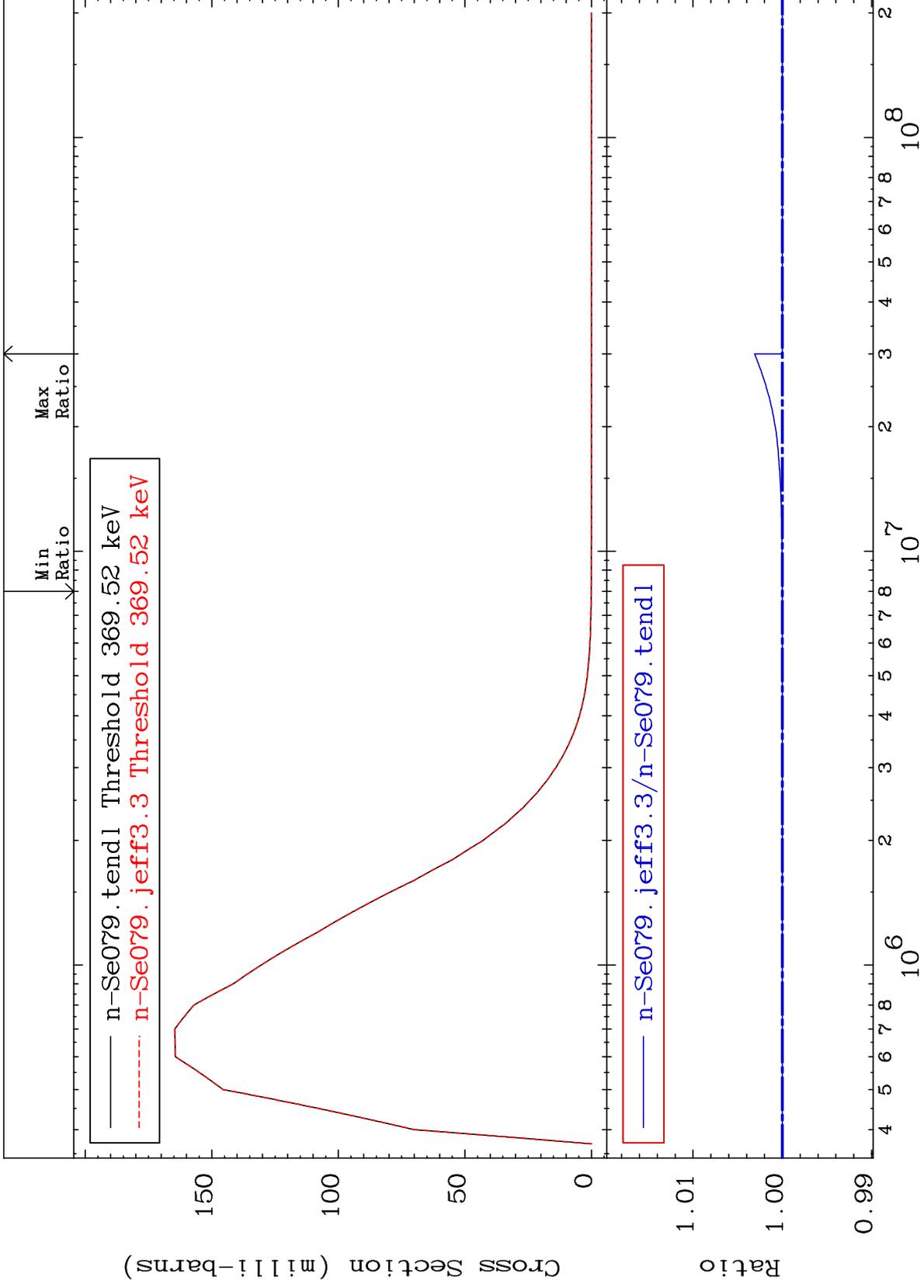
Incident Energy (eV)

34-Se-79

MAT 3440

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

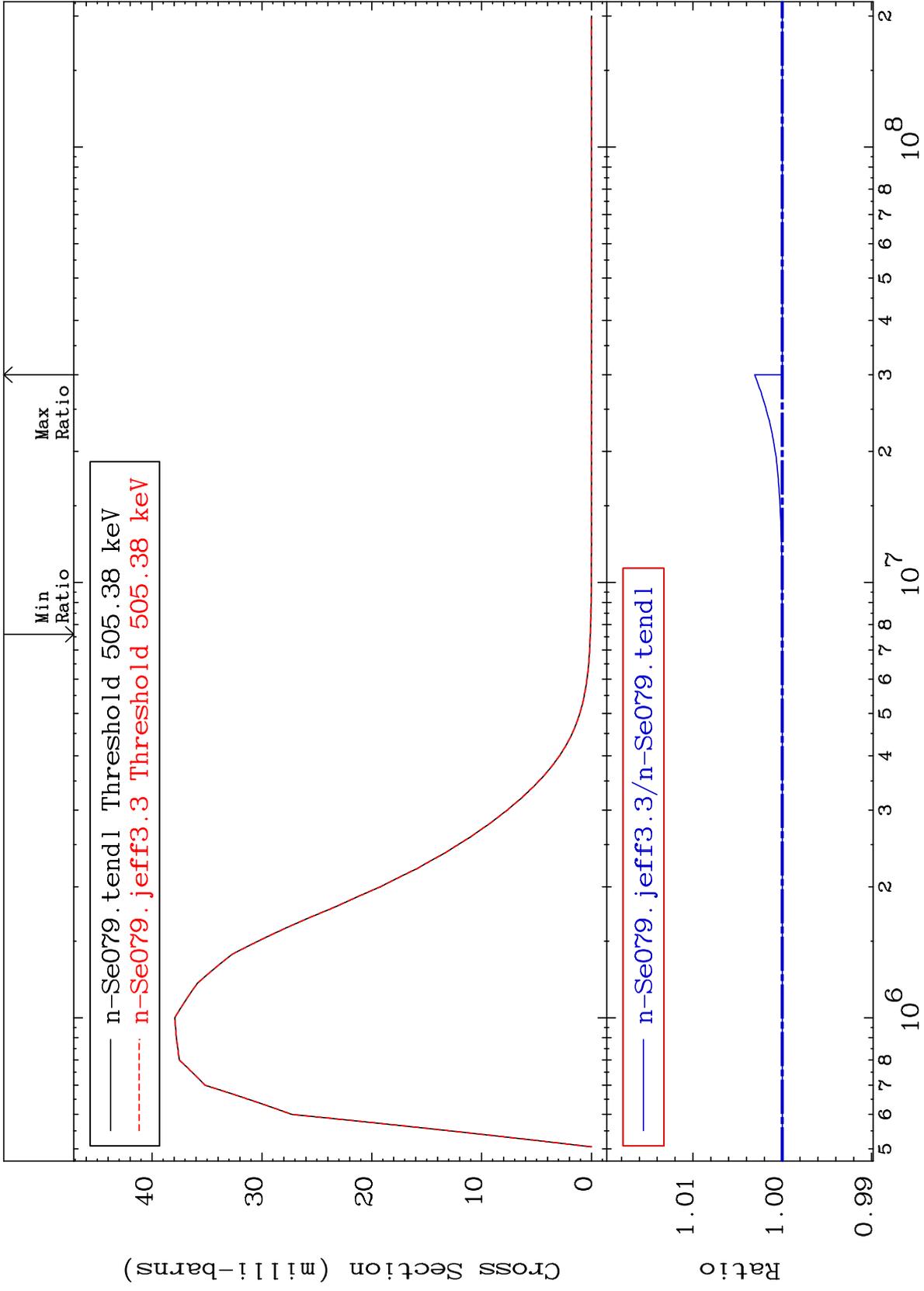
<sup>34</sup>Se-79  
To 0.311 %



MAT 3440

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

34-Se-79  
0.000 To 0.309 %

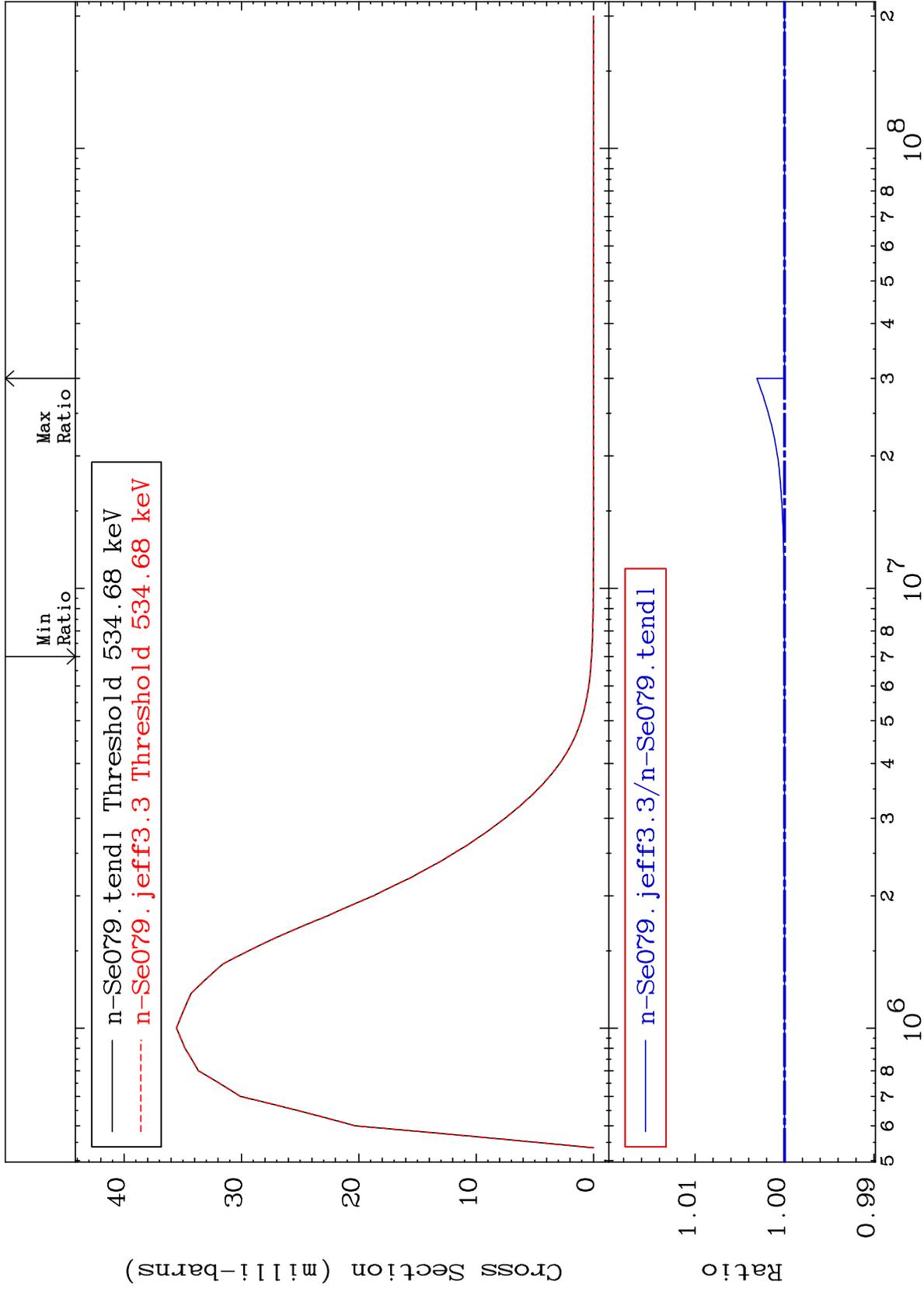


MAT 3440

MT= 56 (n,n') Level

<sup>34</sup>Se-79

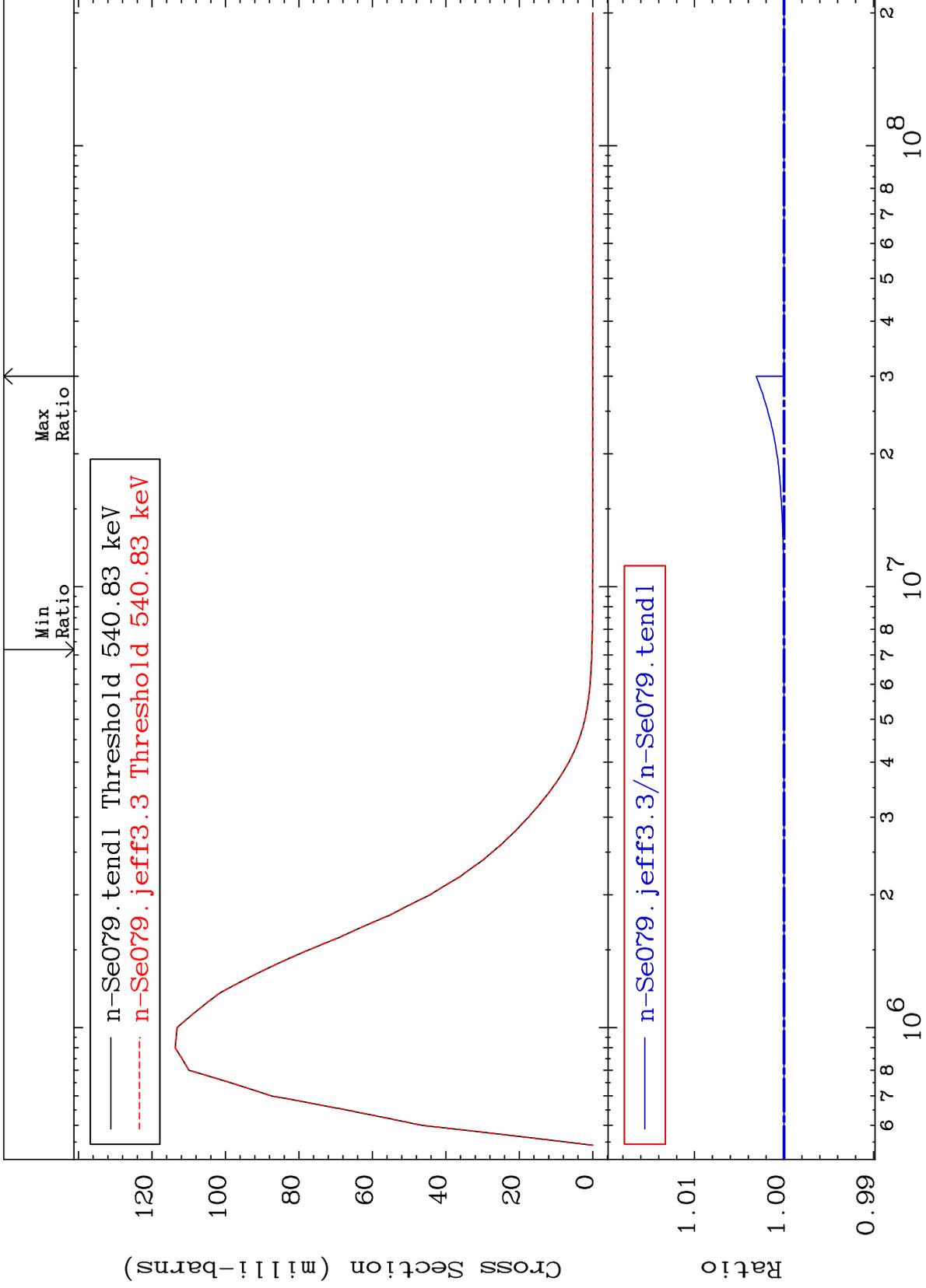
Cross Section To 0.309 %



MAT 3440

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

34-Se-79  
To 0.311 %

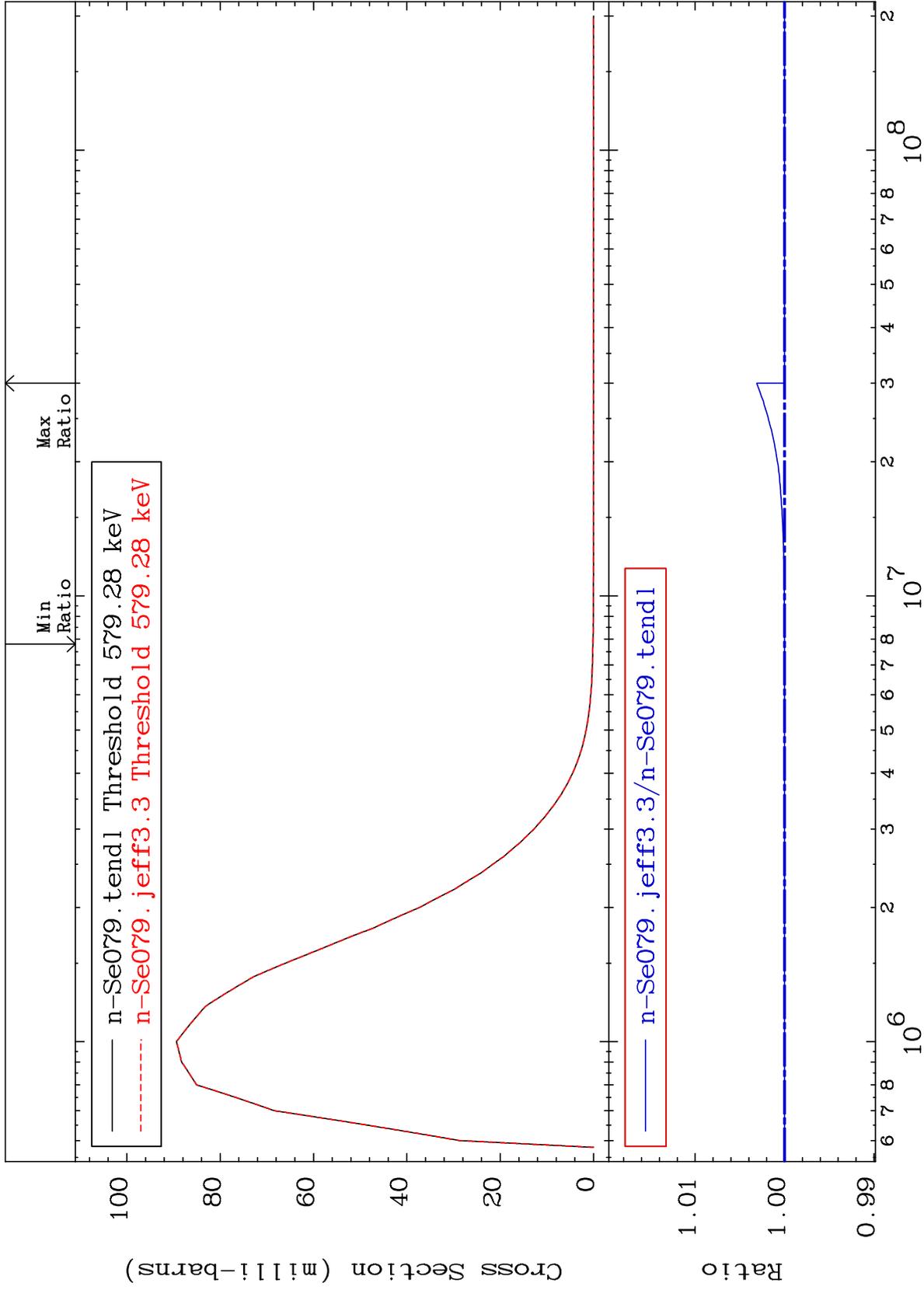


MAT 3440

MT= 58 (n,n') Level

<sup>34</sup>Se-79

Cross Section To 0.311 %



25

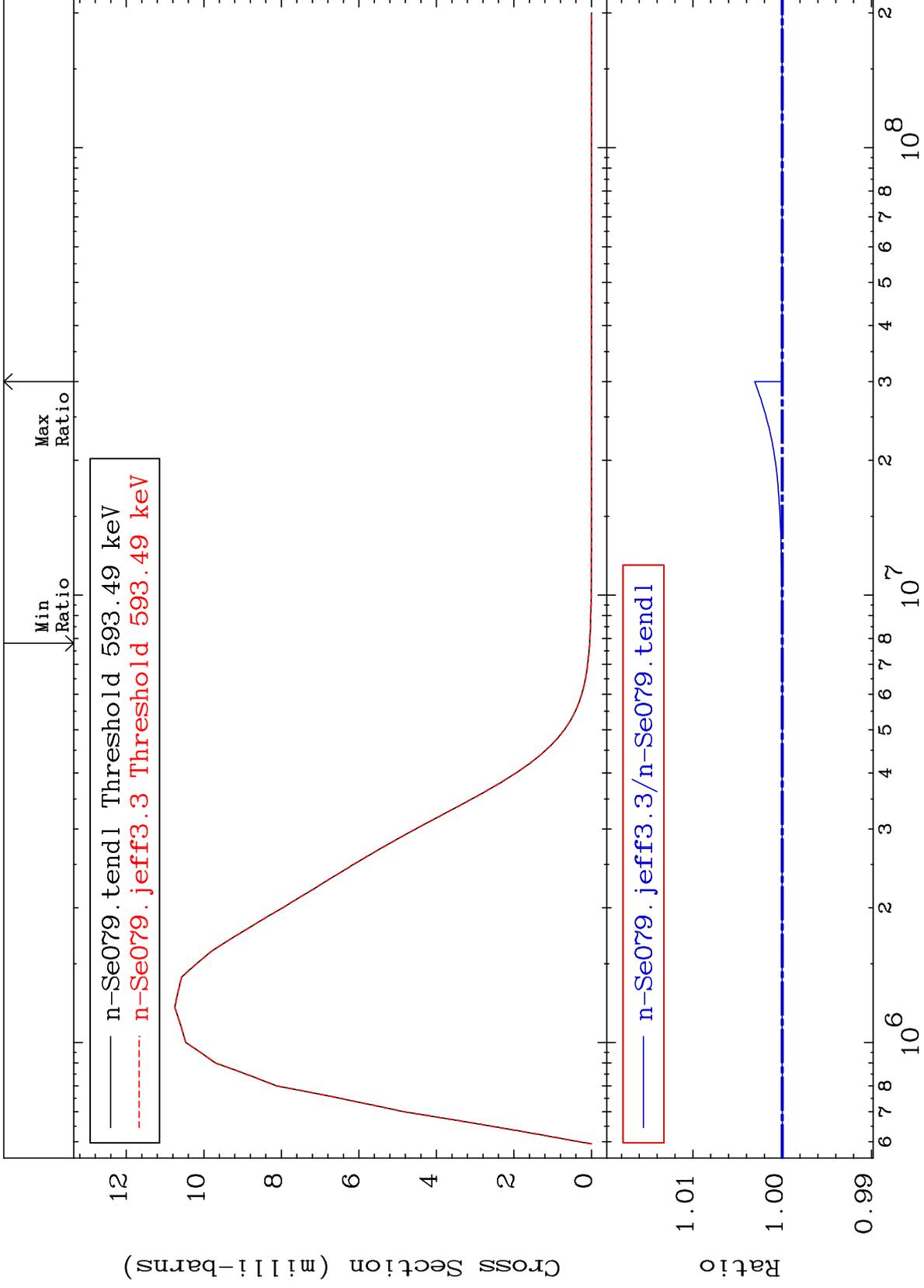
Incident Energy (eV)

<sup>34</sup>Se-79

MAT 3440

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

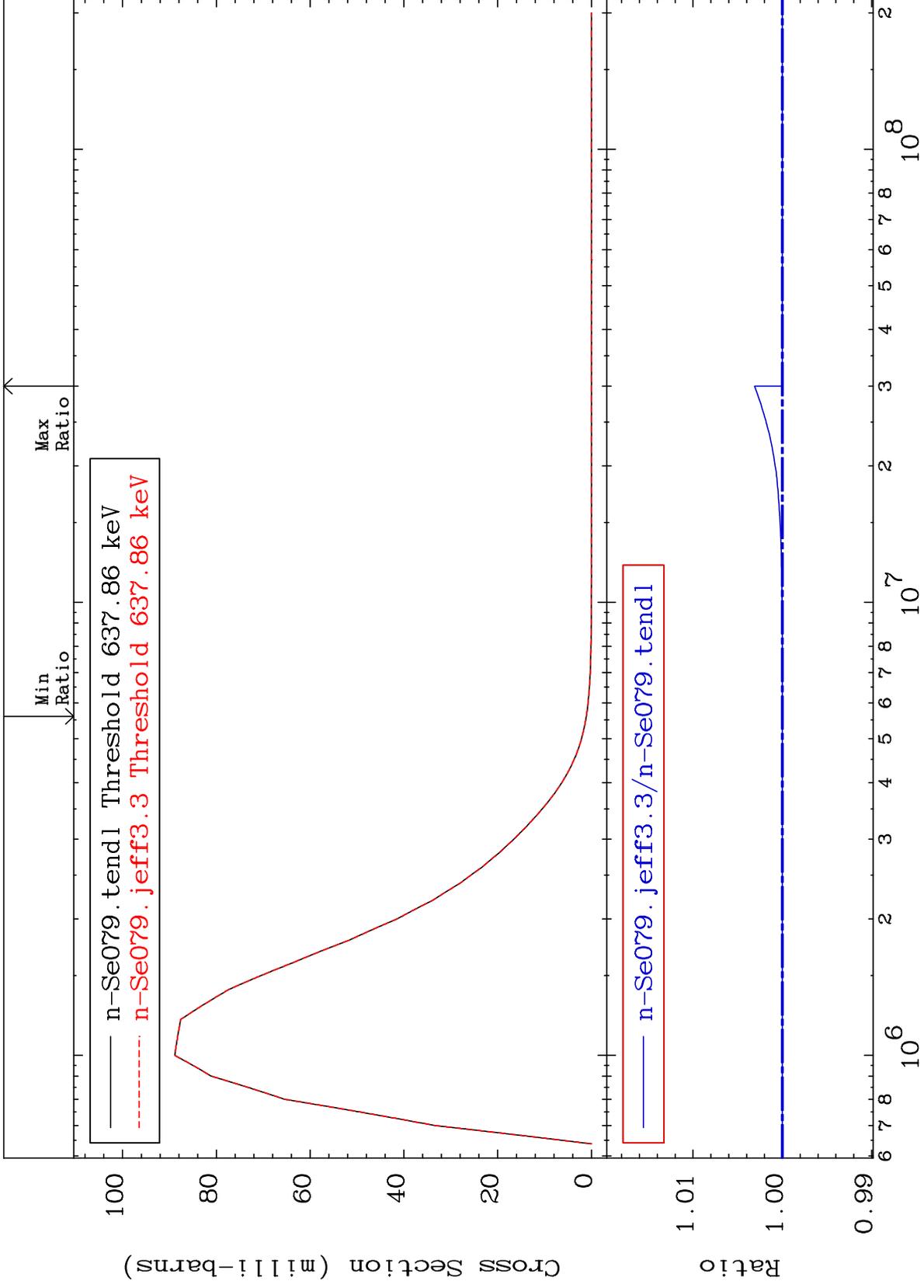
<sup>34</sup>Se-79  
-0.001 To 0.308 %



MAT 3440

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

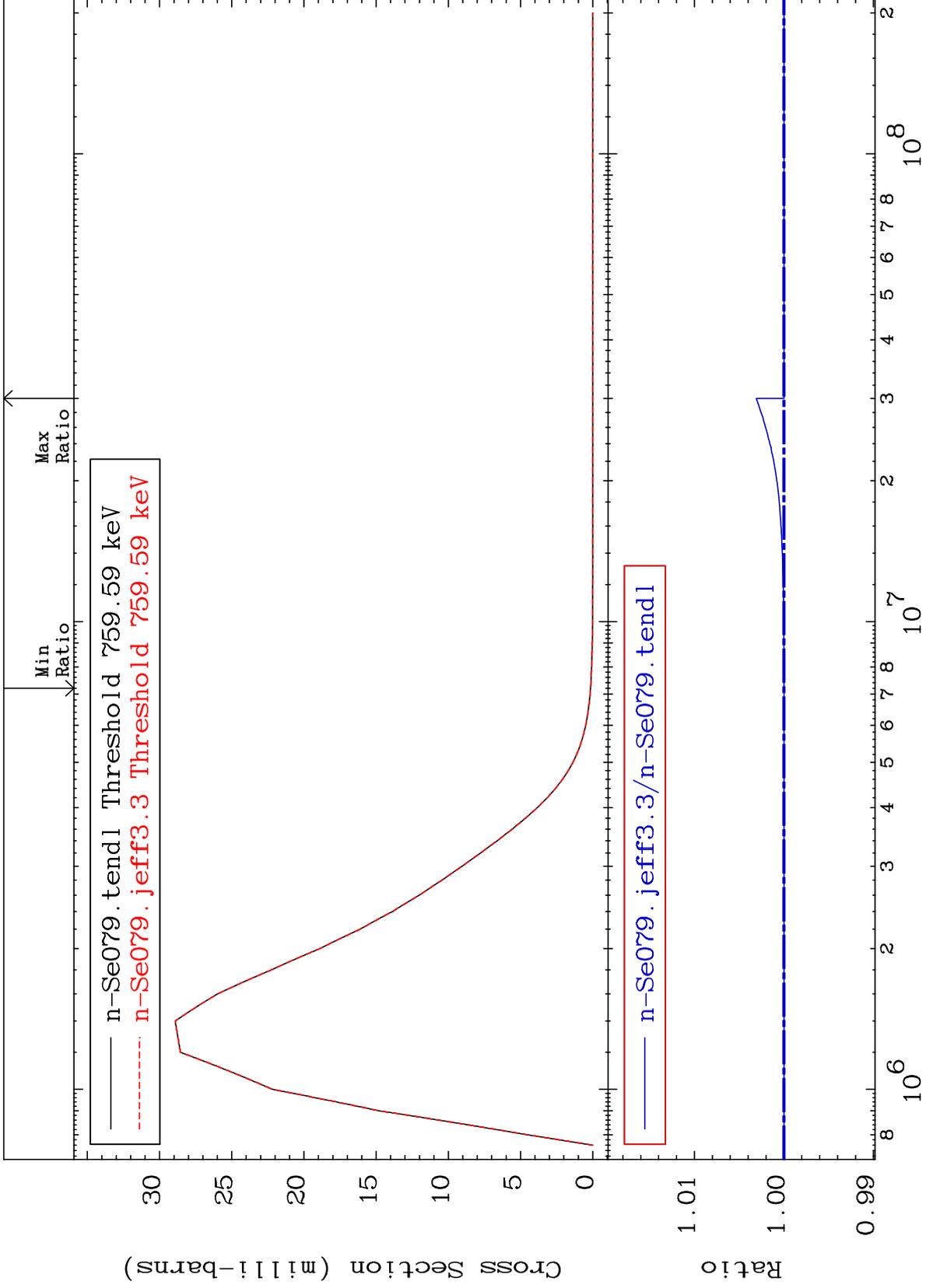
<sup>34</sup>Se-79  
0.000 To 0.311 %



MAT 3440

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

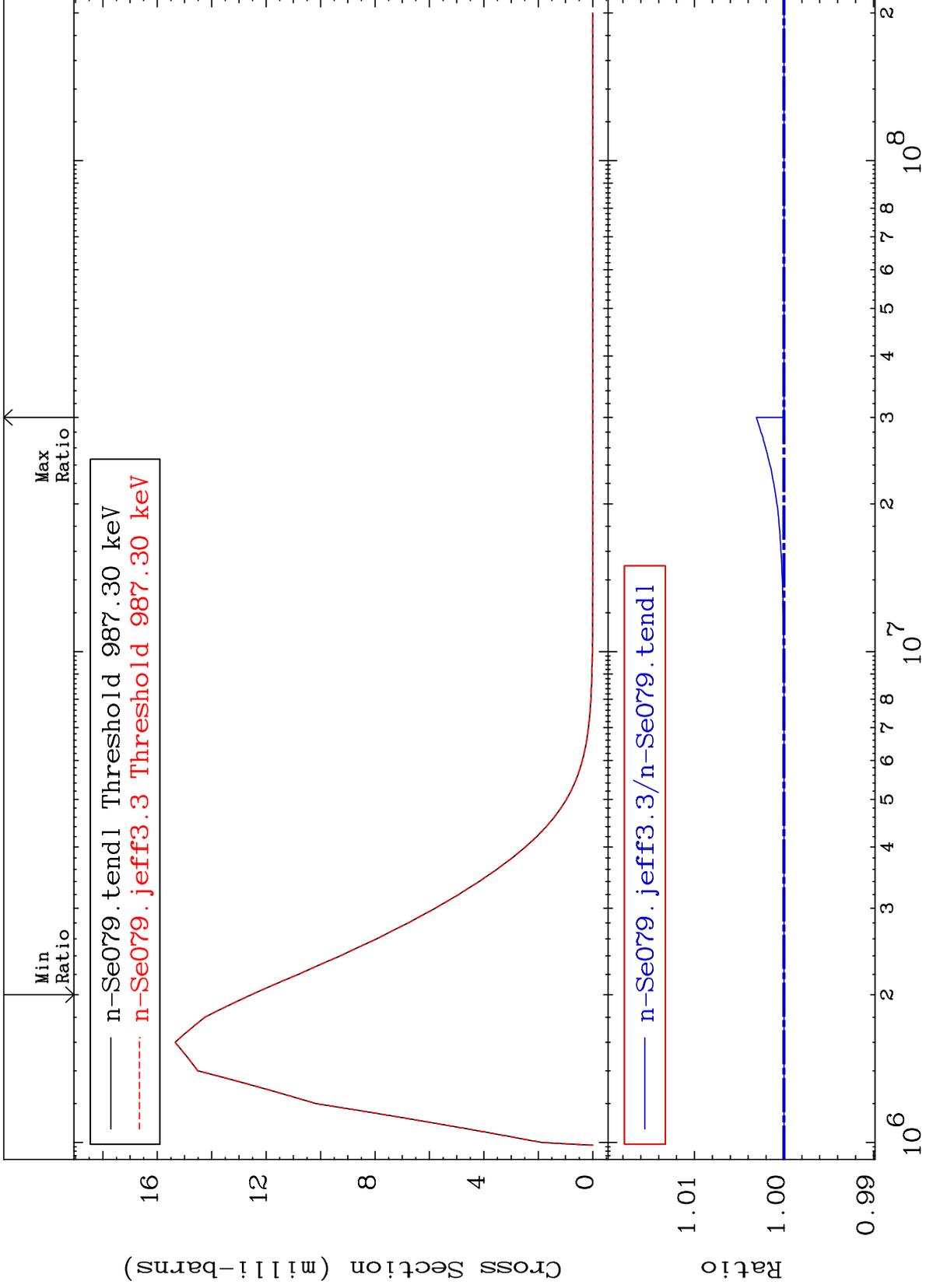
34-Se-79  
-0.001 To 0.309 %



MAT 3440

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

<sup>34</sup>Se-79  
To 0.309 %



29

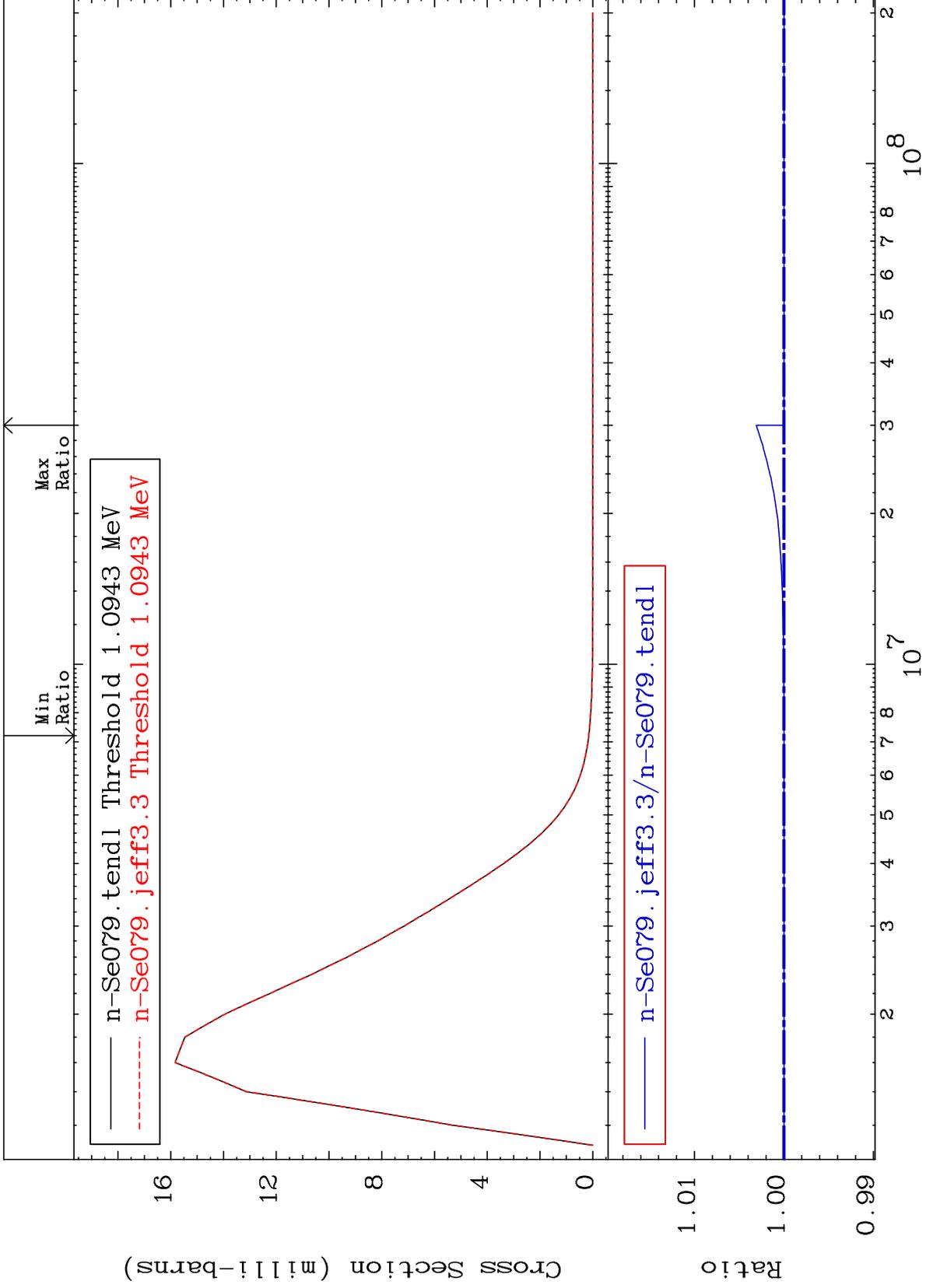
Incident Energy (eV)

<sup>34</sup>Se-79

MAT 3440

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

<sup>34</sup>Se-79  
-0.001 To 0.309 %



30

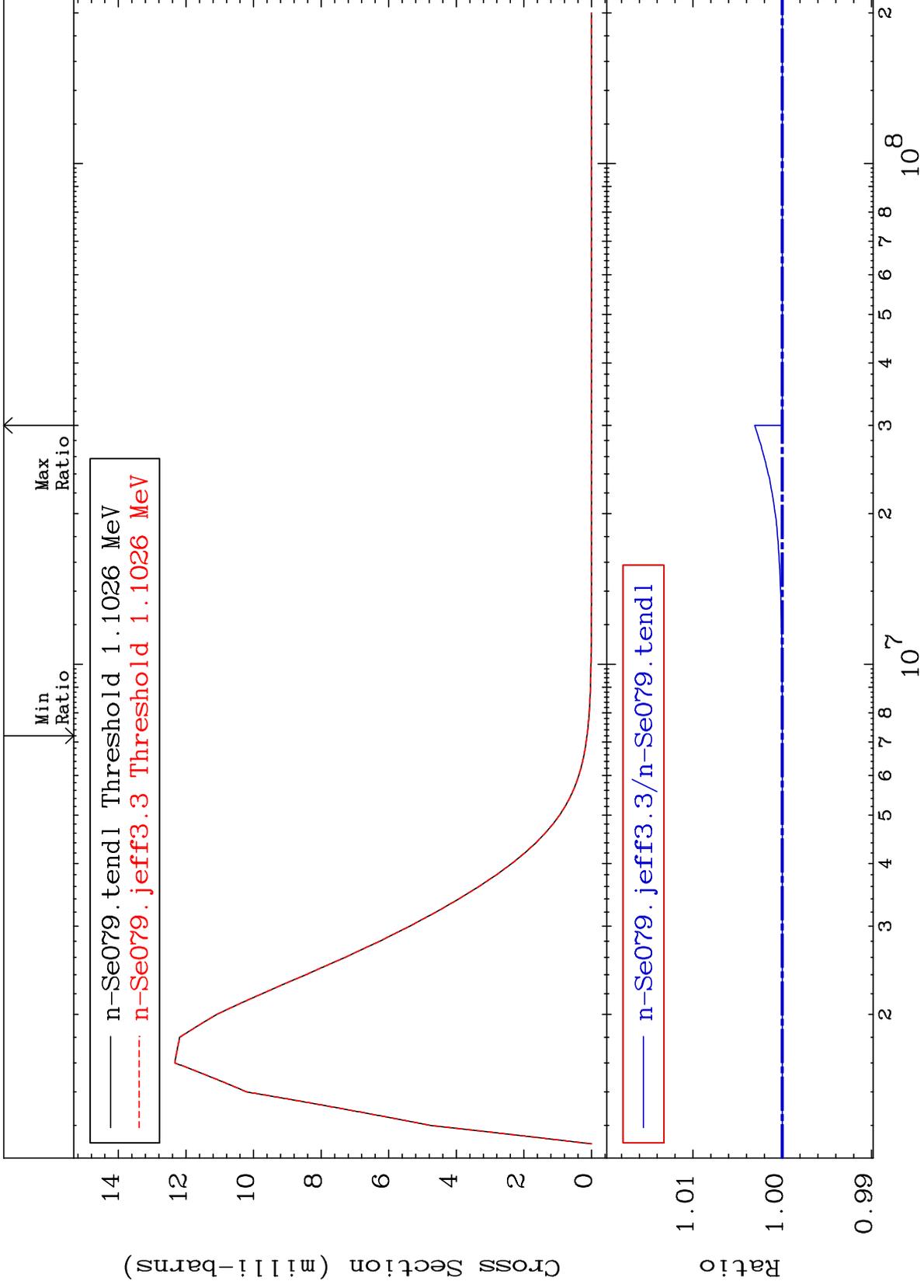
Incident Energy (eV)

<sup>34</sup>Se-79

MAT 3440

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

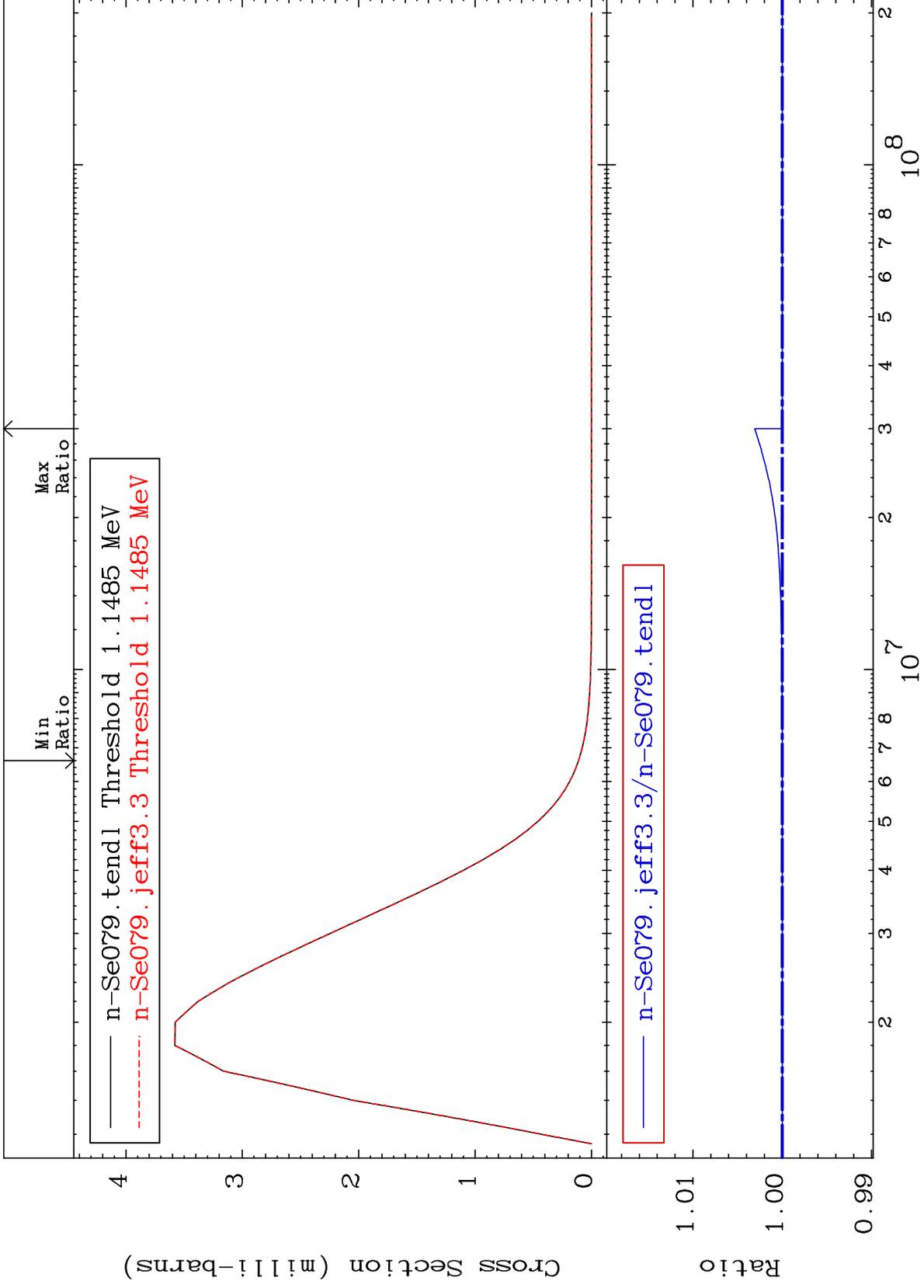
34-Se-79  
0.000 To 0.309 %



MAT 3440

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

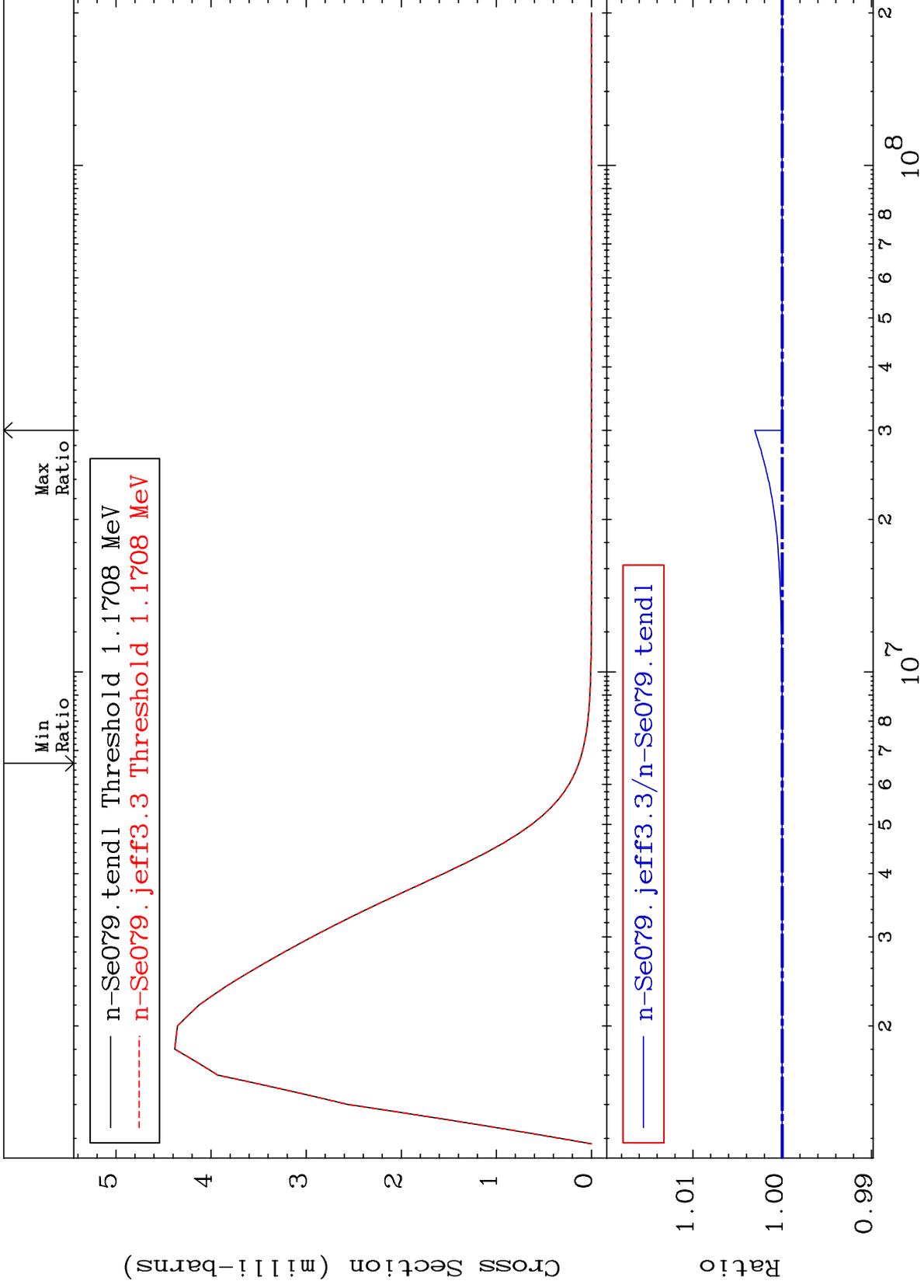
34-Se-79  
0.000 To 0.308 %



MAT 3440

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

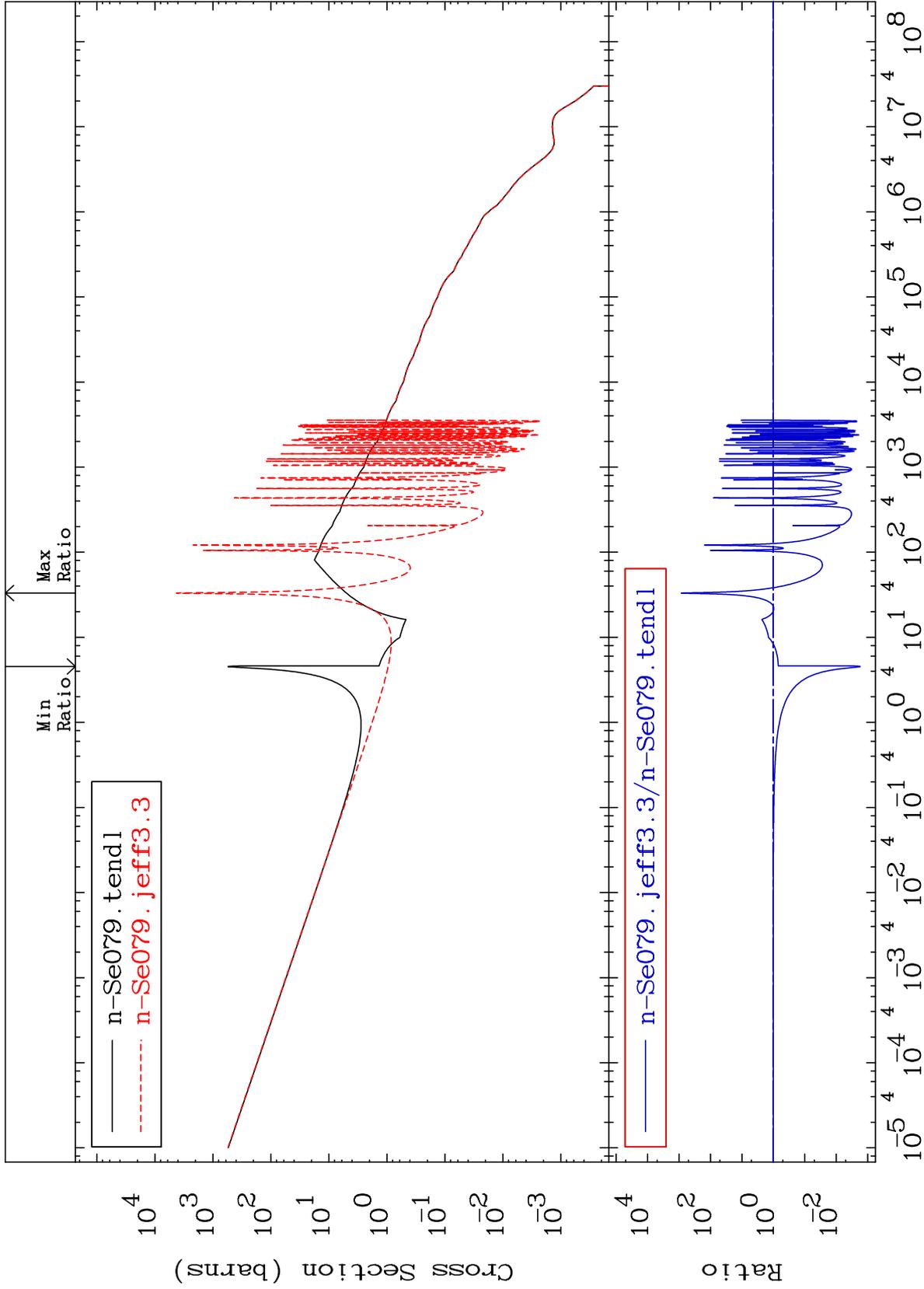
34-Se-79  
-0.002 To 0.308 %



MAT 3440

(n,  $\gamma$ )  
Cross Section

34-Se-79  
-99.83 To 9999. %



34-Se-79

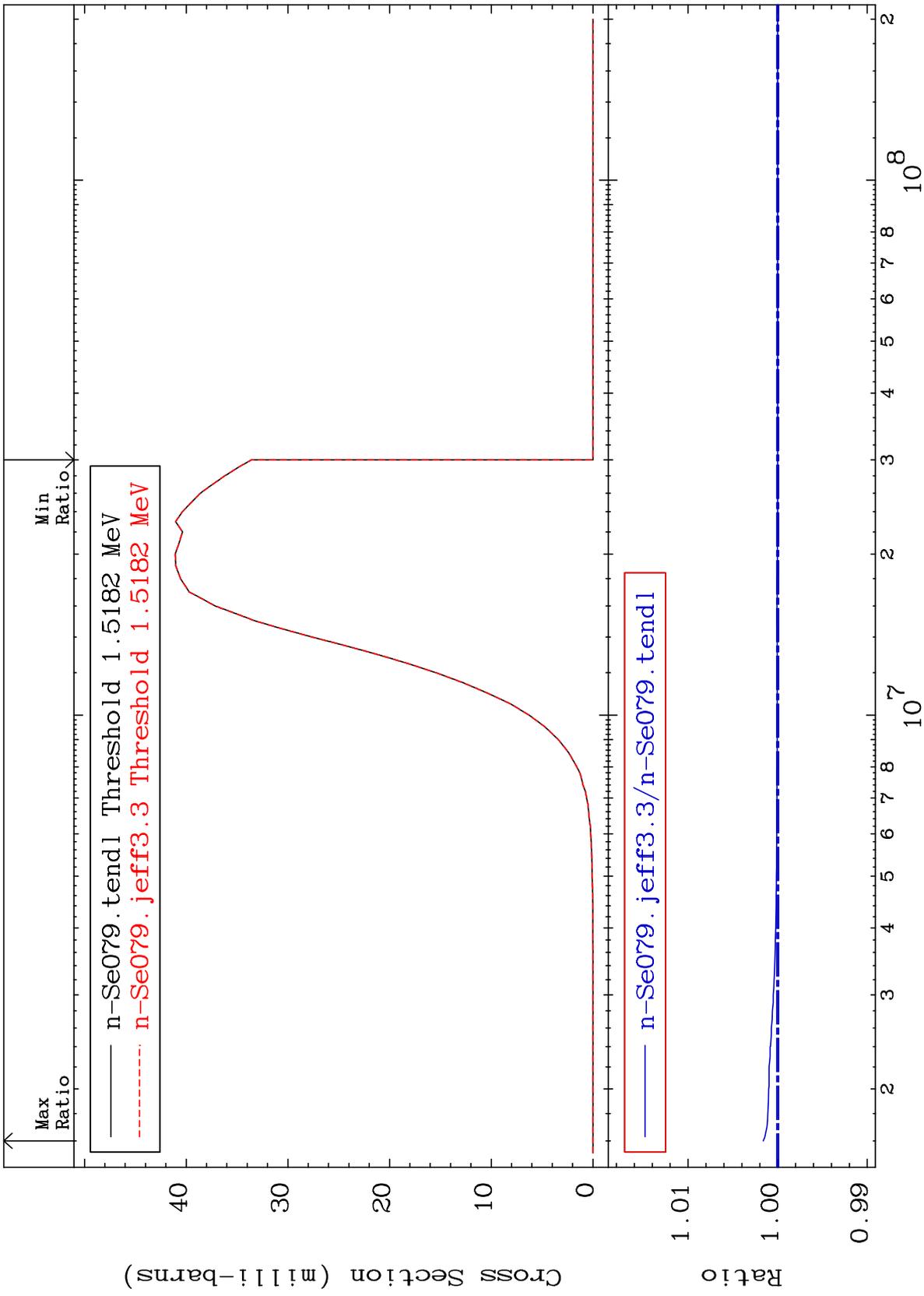
MAT 3440

(n,p)

<sup>34</sup>Se-79

Cross Section

0.000 To 0.162 %



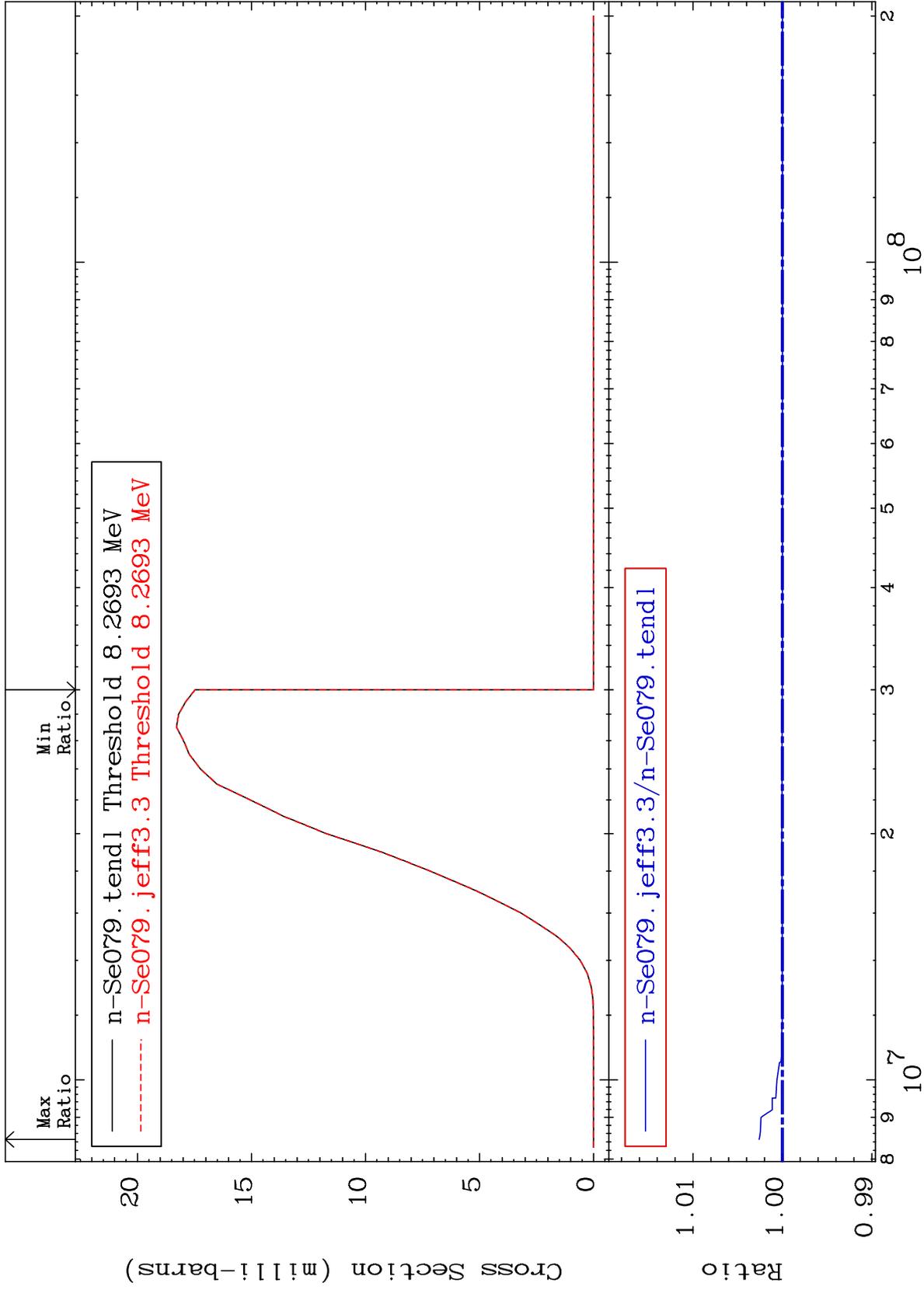
MAT 3440

(n, d)

<sup>34</sup>Se-79

Cross Section

0.000 To 0.261 %



MAT 3440

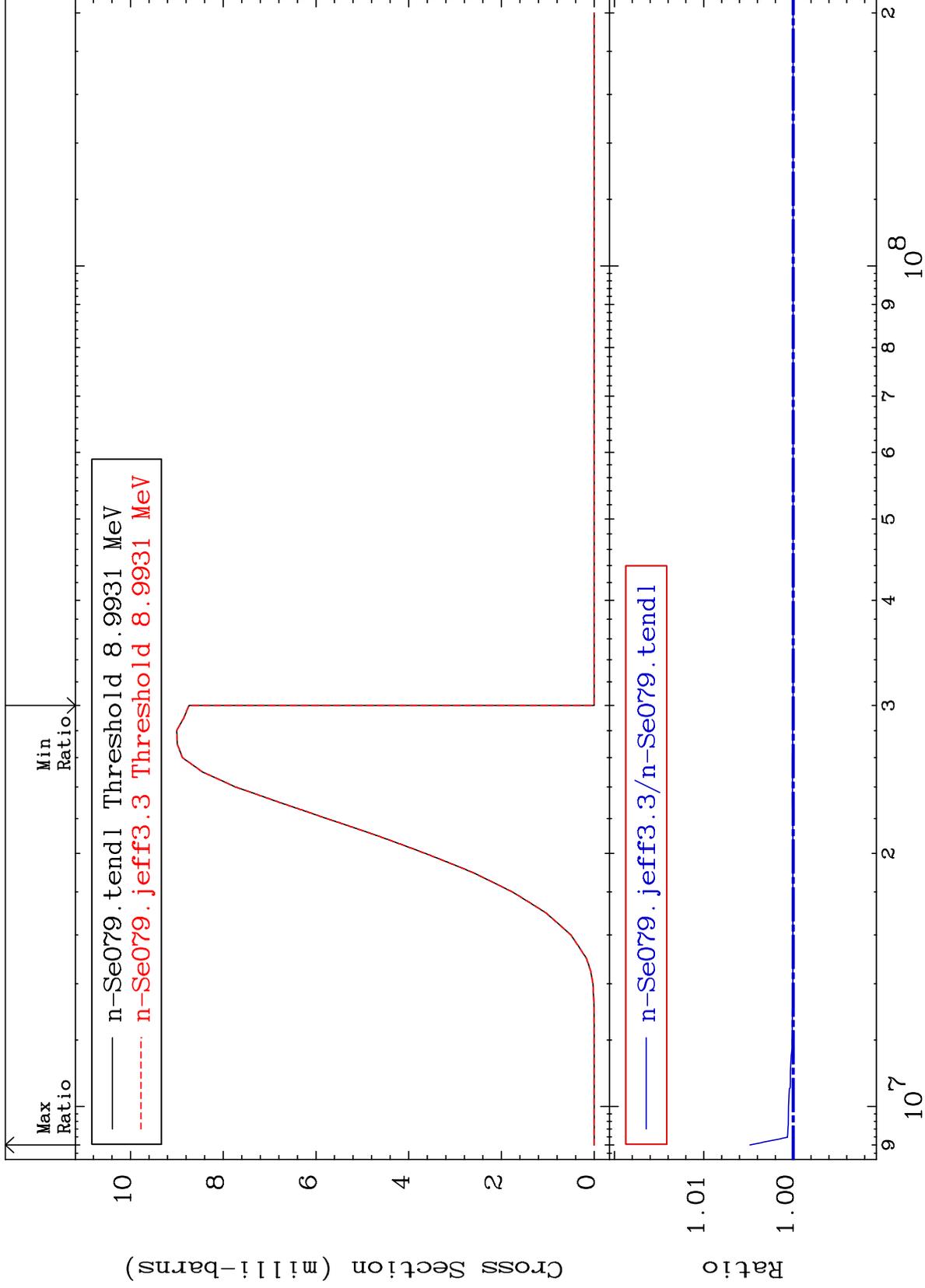
(n, t)

<sup>34</sup>Se-79

Cross Section

0.000

To 0.485 %



37

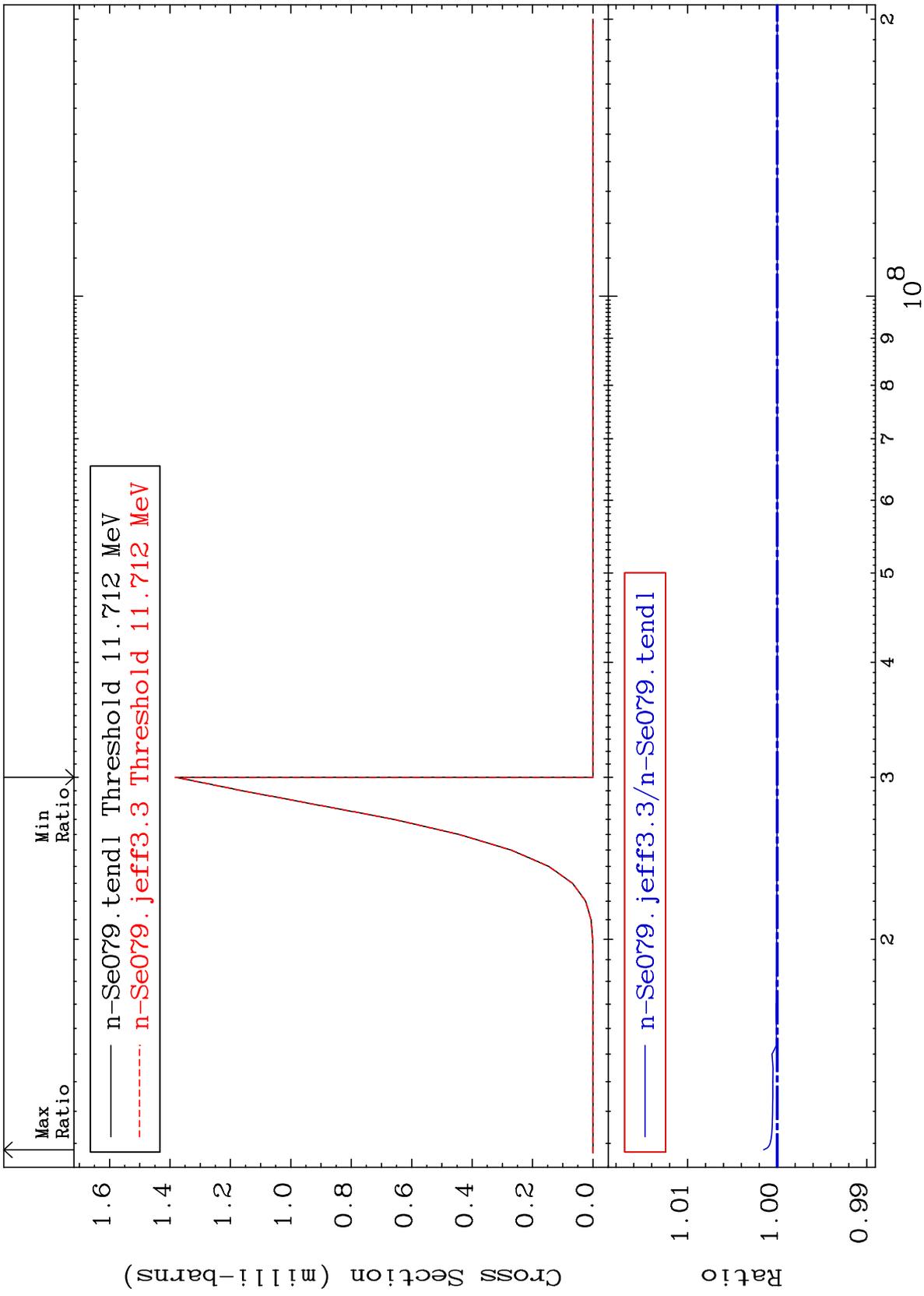
Incident Energy (eV)

<sup>34</sup>Se-79

Cross Section

0.000

To 0.151 %



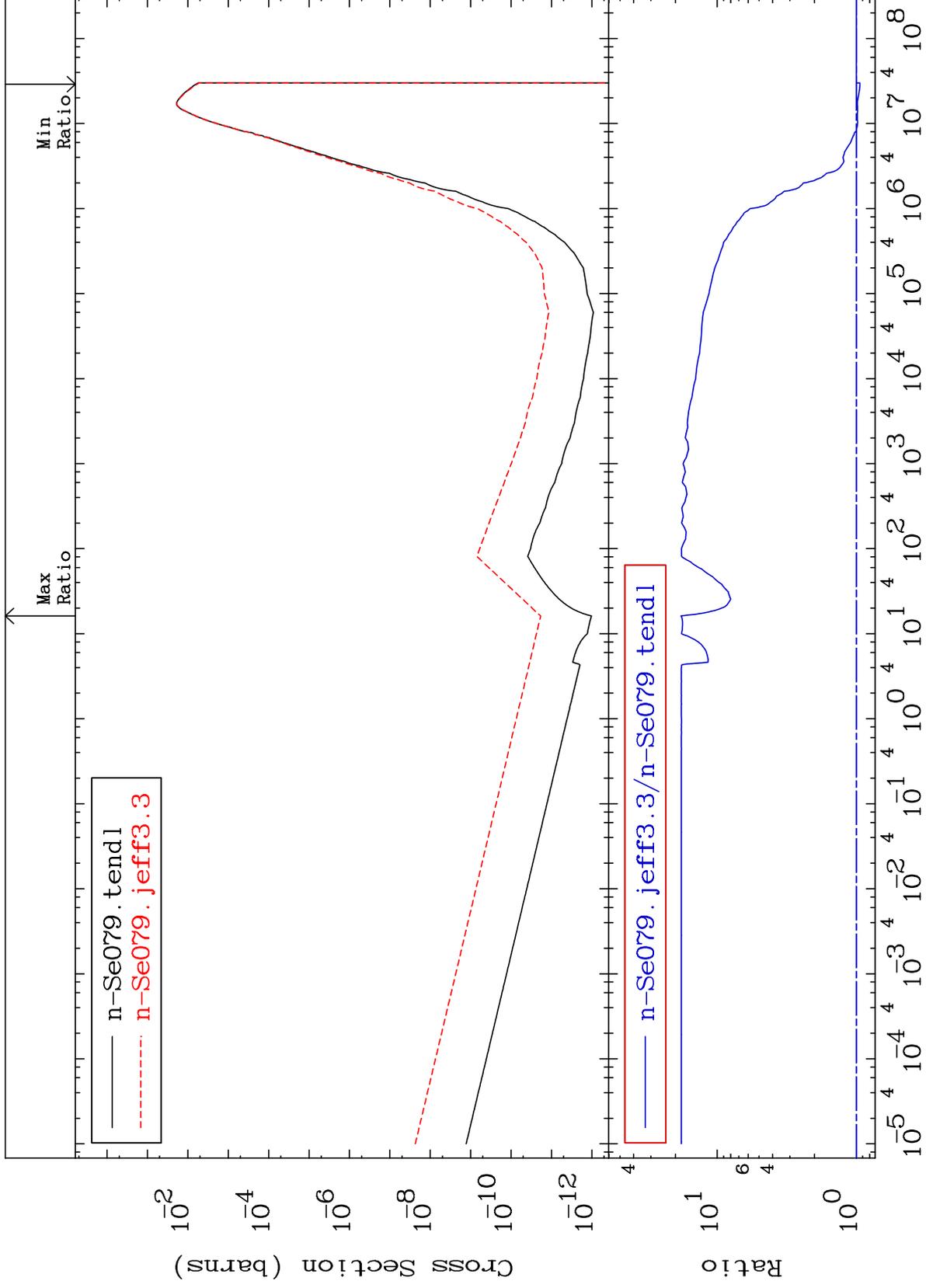
MAT 3440

(n,  $\alpha$ )

<sup>34</sup>Se-79

Cross Section

-5.786 To 1725. %



39

Incident Energy (eV)

<sup>34</sup>Se-79

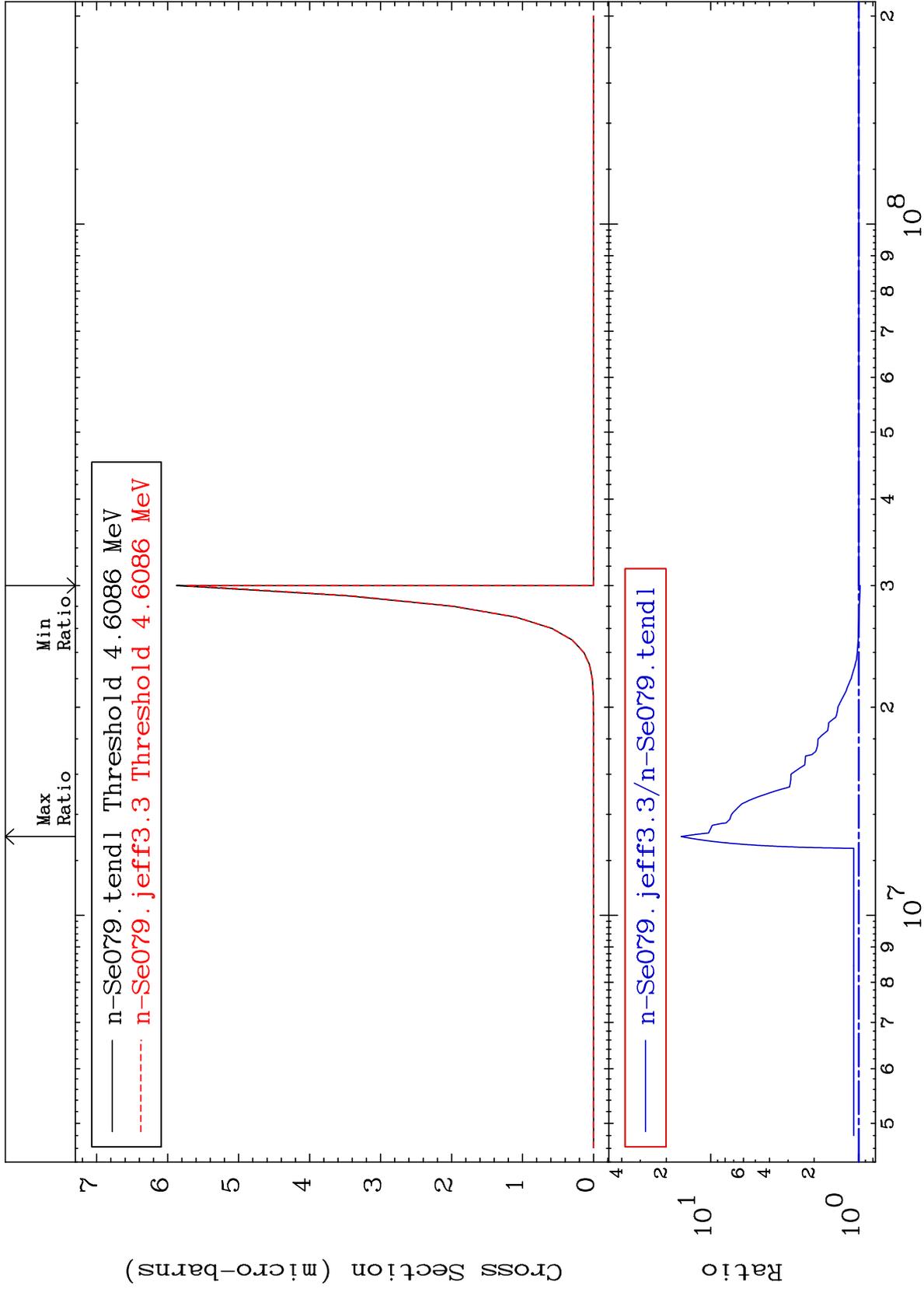
MAT 3440

(n, 2α)

<sup>34</sup>Se-79

-2.378 To 1485. %

Cross Section



40

Incident Energy (eV)

<sup>34</sup>Se-79

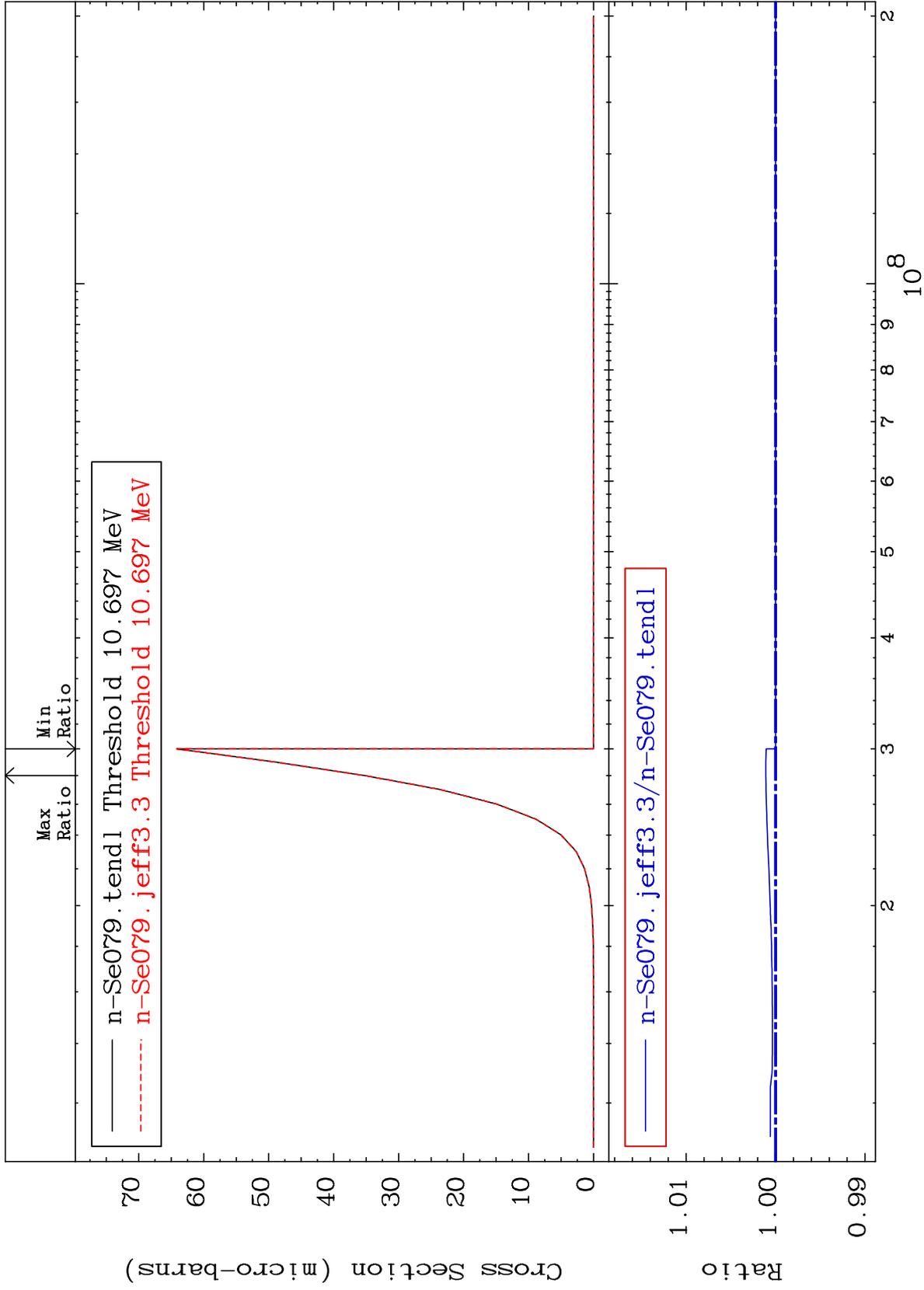
MAT 3440

(n,2p)

<sup>34</sup>Se-79

Cross Section

To 0.109 %



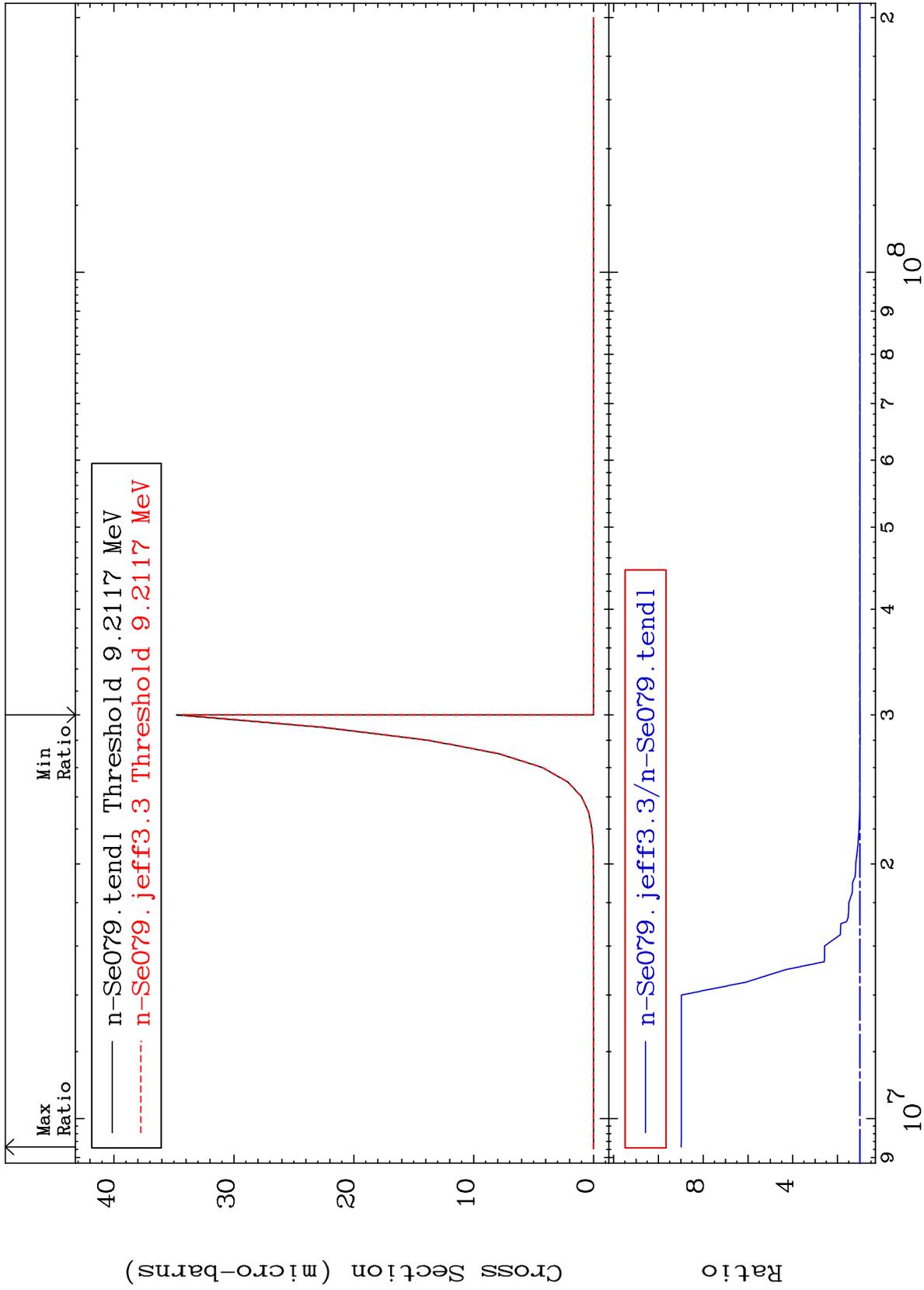
MAT 3440

(n,p)  $\alpha$

<sup>34</sup>Se-79

Cross Section

-1.408 To 798.4 %



42

Incident Energy (eV)

<sup>34</sup>Se-79

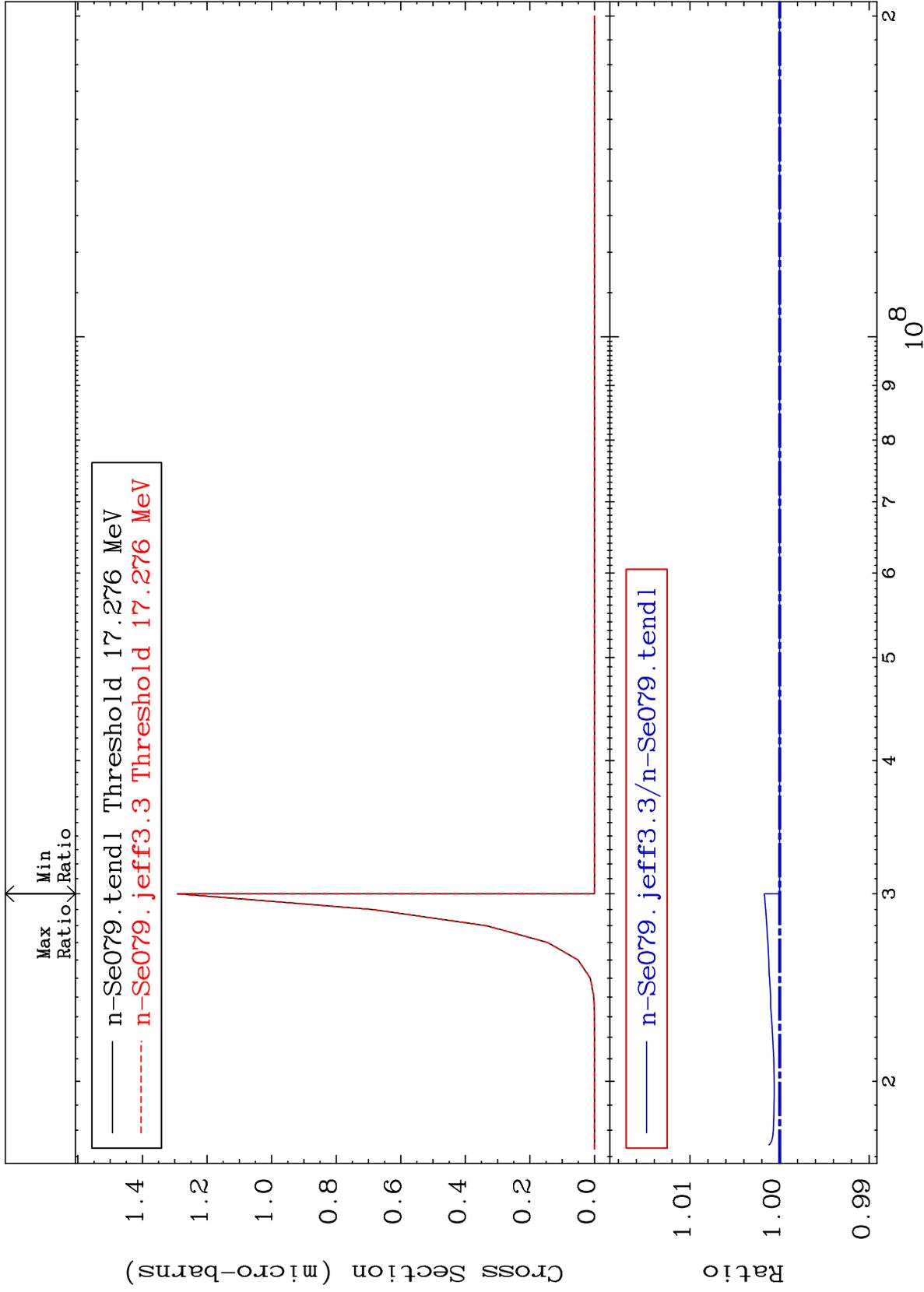
MAT 3440

(n,p) d

<sup>34</sup>Se-79

Cross Section

0.000 To 0.171 %



43

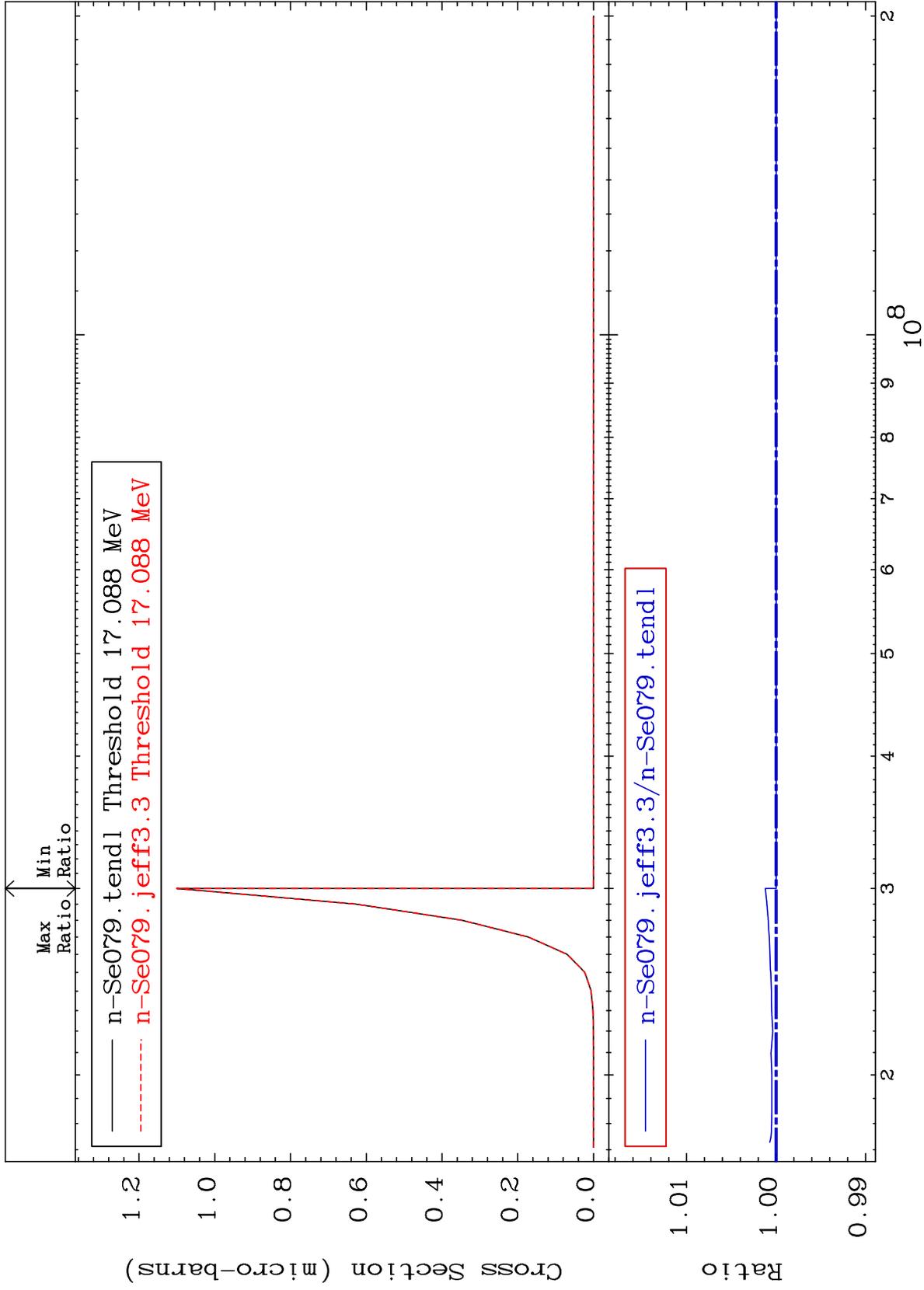
Incident Energy (eV)

<sup>34</sup>Se-79

MAT 3440

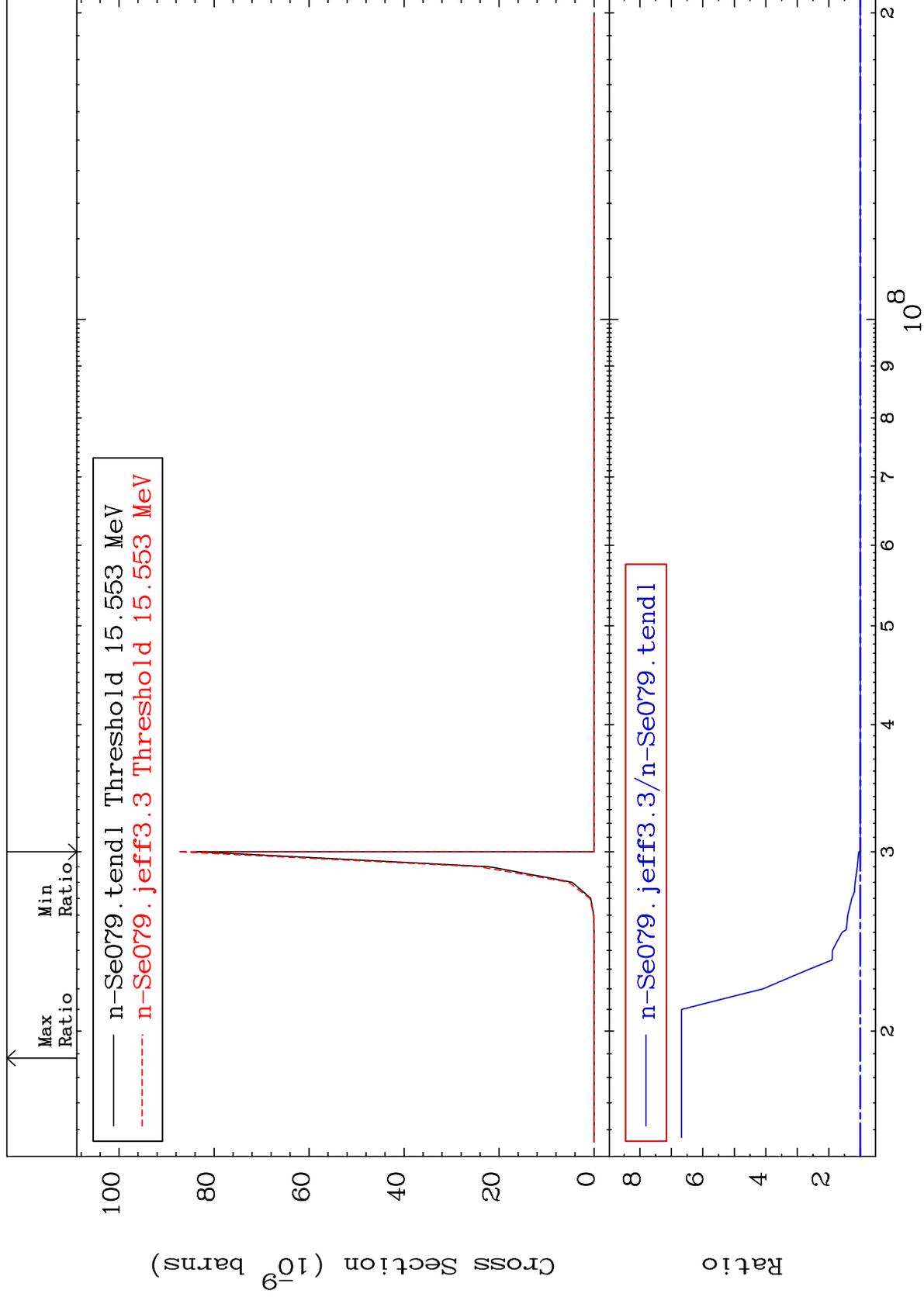
(n,p) t  
Cross Section

<sup>34</sup>Se-79  
0.000 To 0.121 %



MAT 3440

(n,d)  $\alpha$  Cross Section  
0.000 To 567.6 %  
<sup>34</sup>Se-79



45

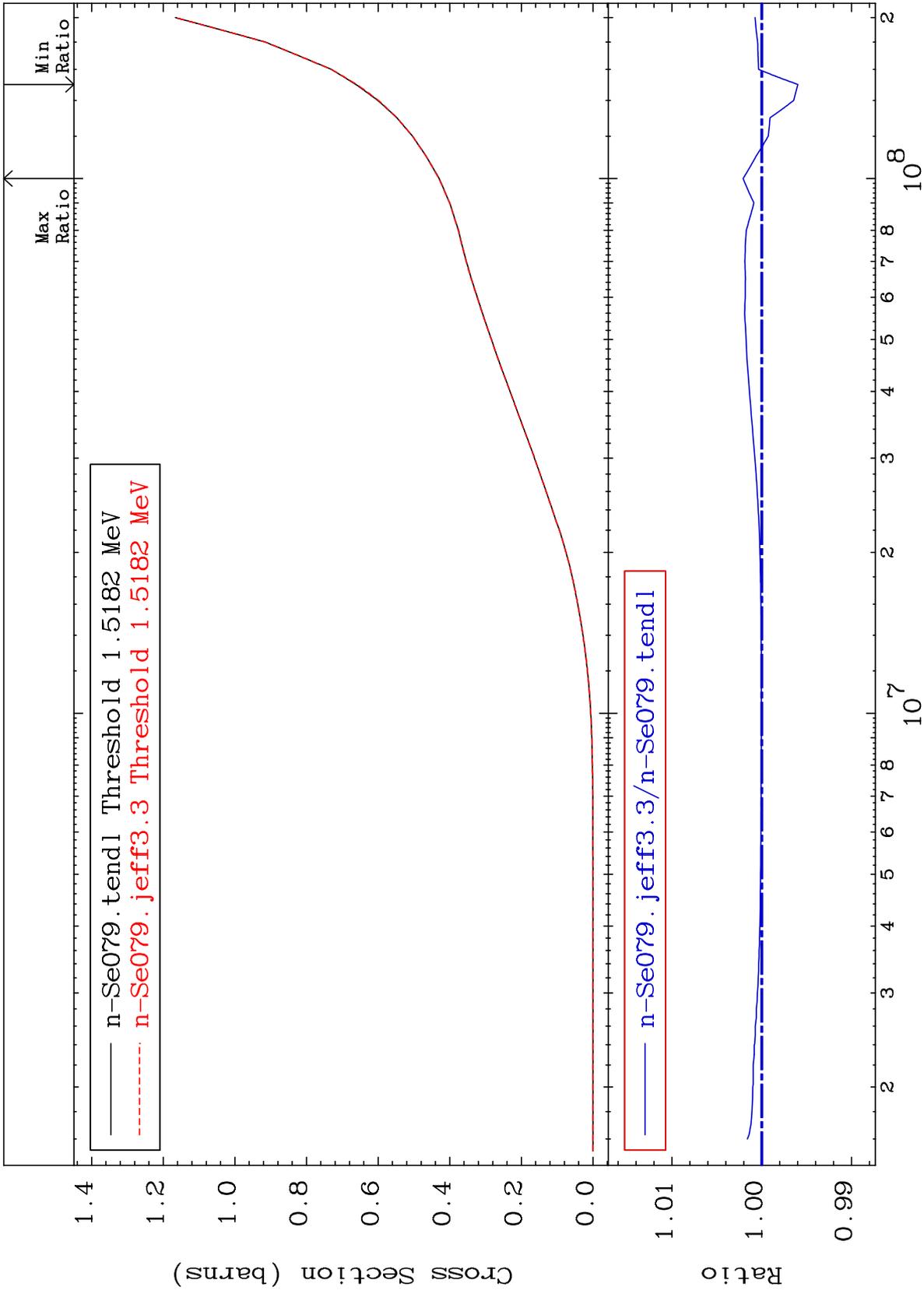
Incident Energy (eV)

<sup>34</sup>Se-79

MAT 3440

### Hydrogen Production Cross Section

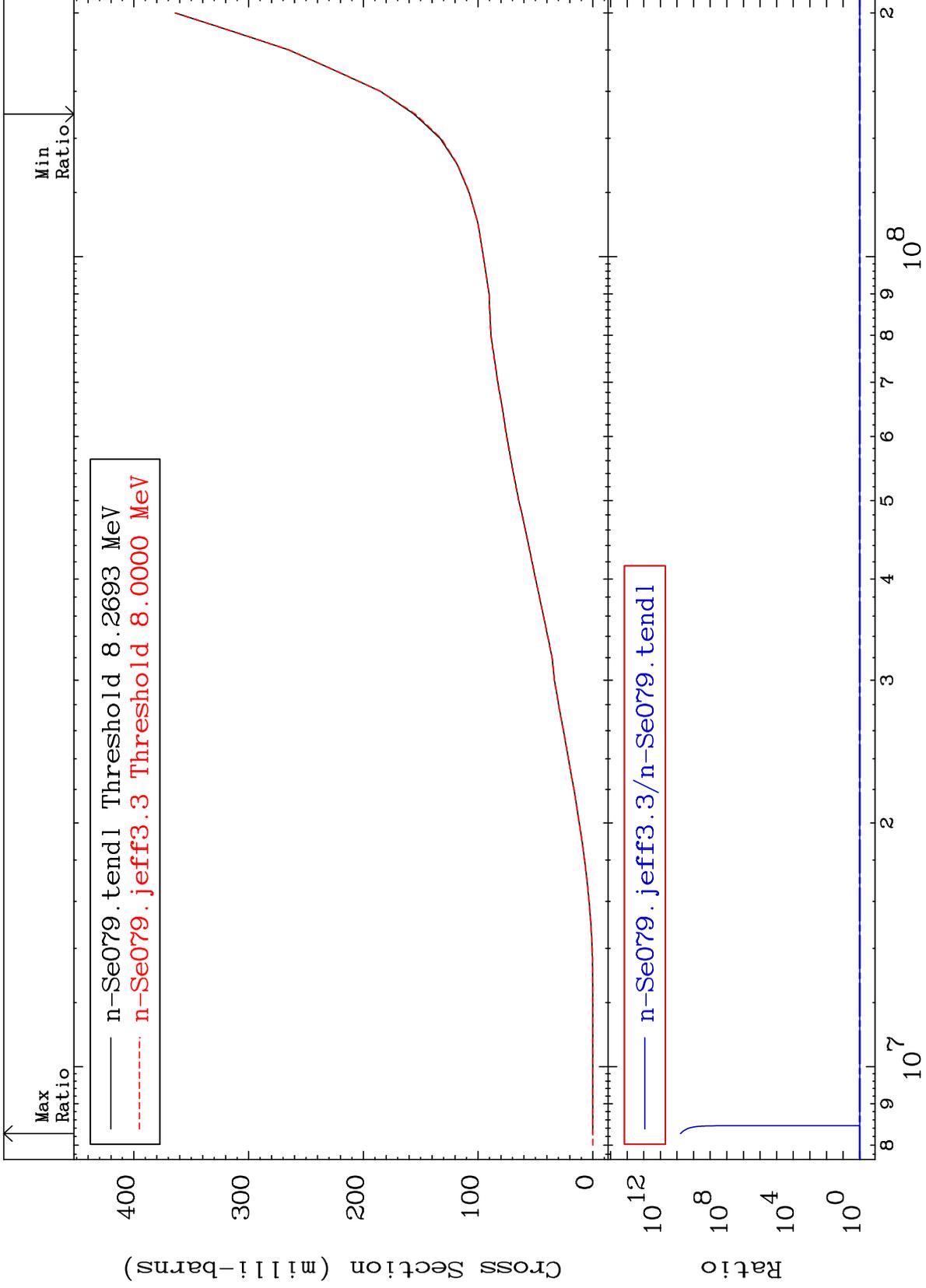
<sup>34</sup>Se-79  
-0.401 To 0.208 %



MAT 3440

Deuterium Production  
Cross Section

<sup>34</sup>Se-79  
-0.755 To 9999. %



47

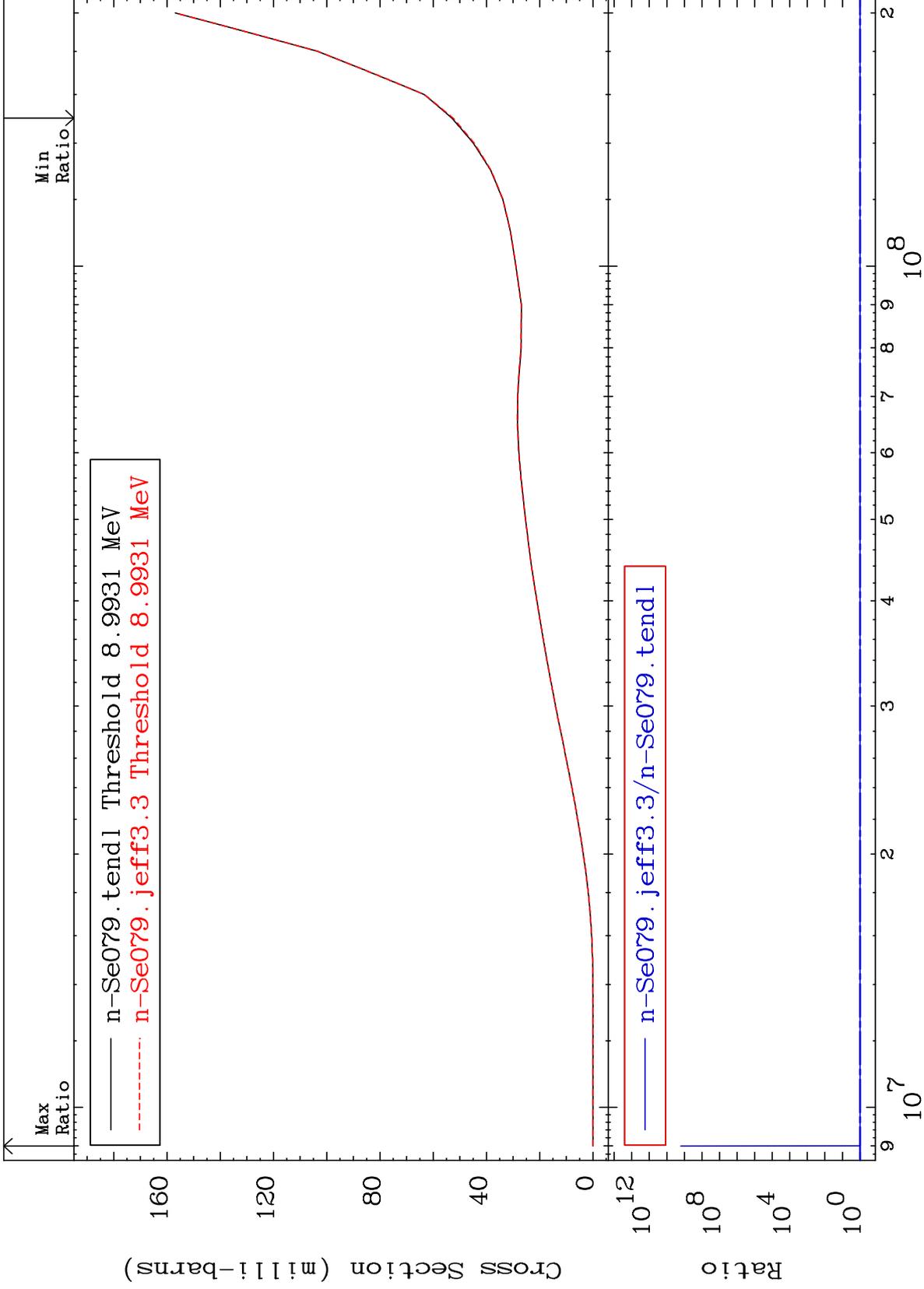
Incident Energy (eV)

<sup>34</sup>Se-79

MAT 3440

Tritium Production  
Cross Section

<sup>34</sup>Se-79  
-0.852 To 9999. %



48

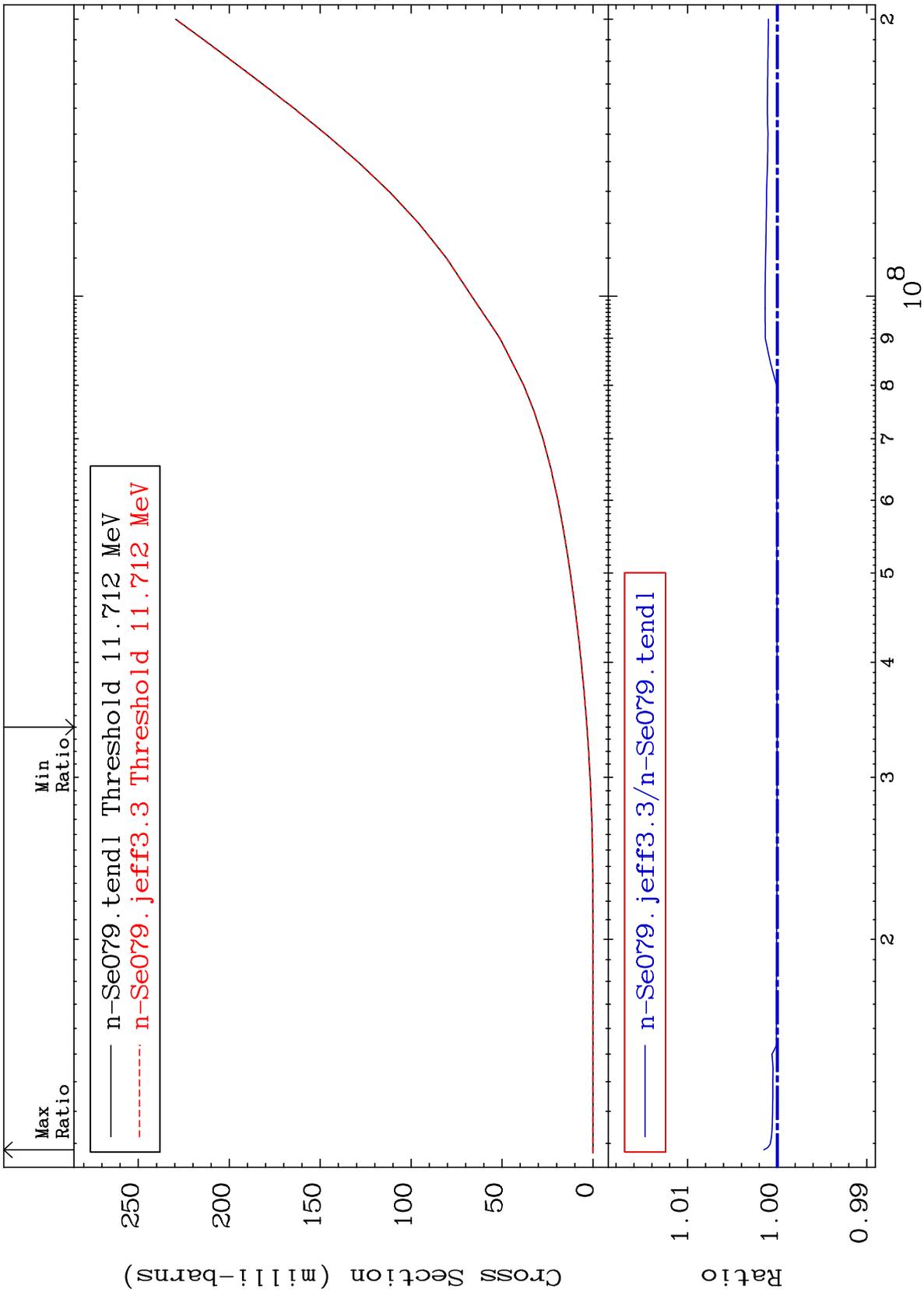
Incident Energy (eV)

<sup>34</sup>Se-79

MAT 3440

He-3 Production  
Cross Section

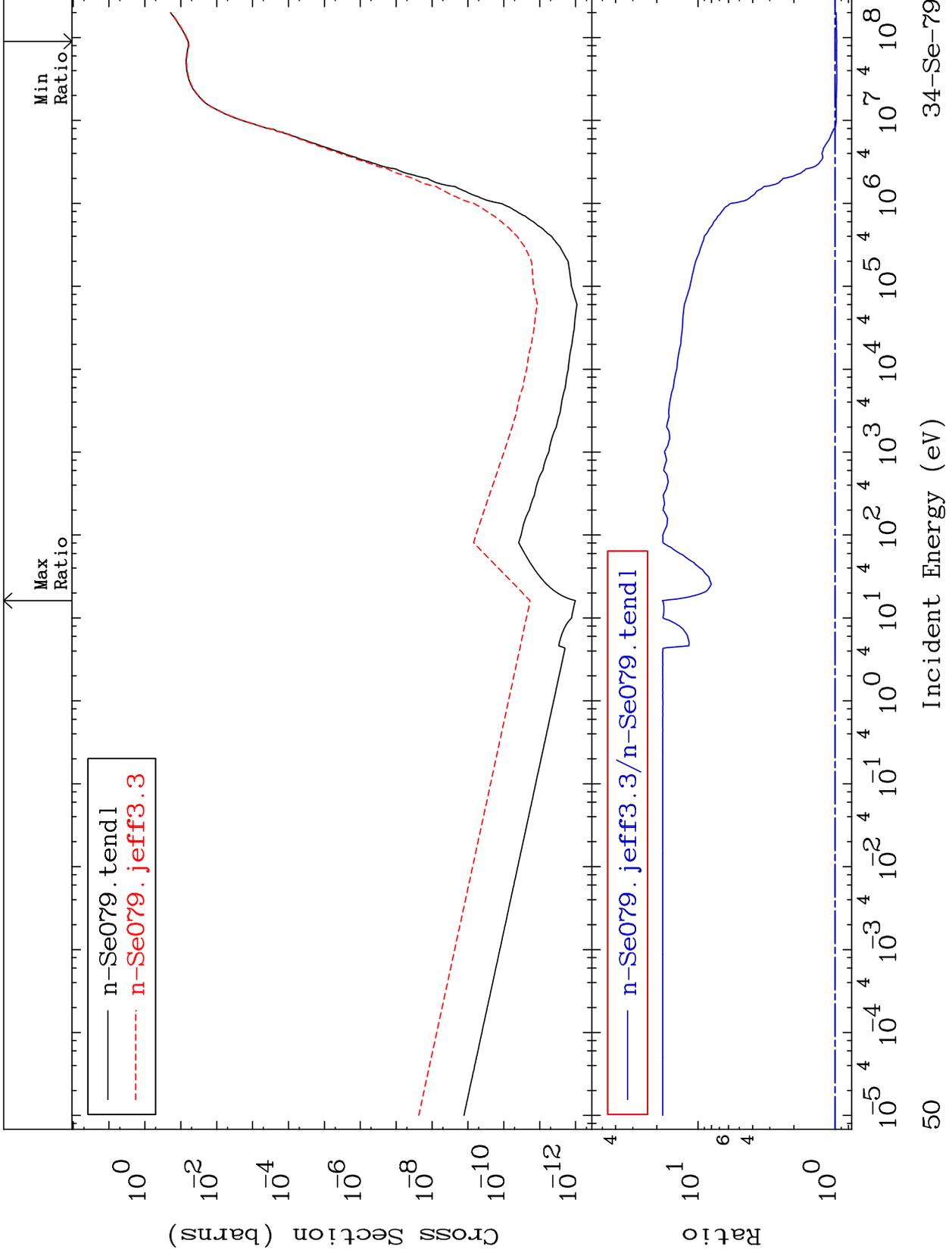
<sup>34</sup>Se-79  
To 0.151 %



MAT 3440

He-4 Production  
Cross Section

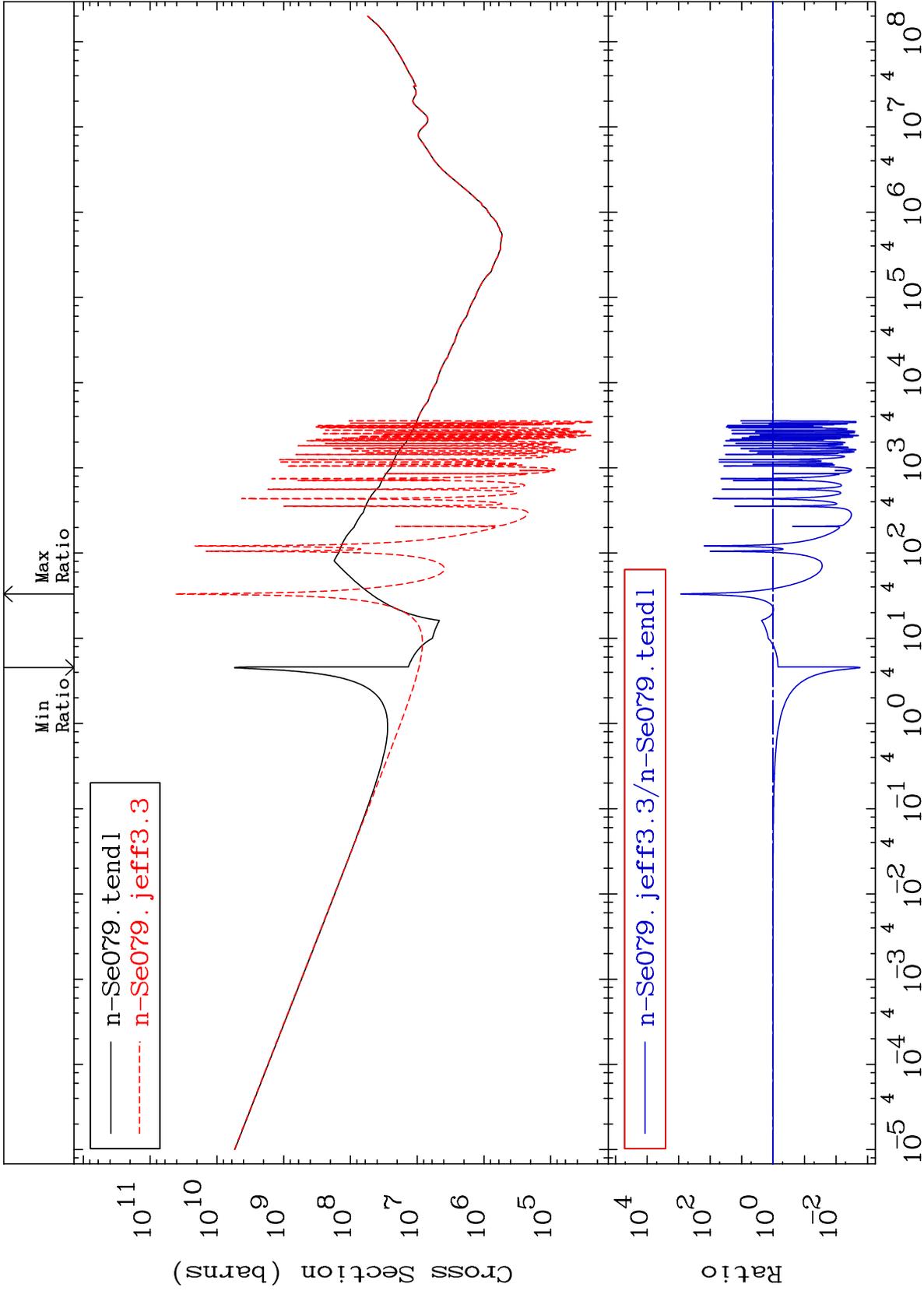
34-Se-79  
-2.850 To 1725. %



50

Incident Energy (eV)

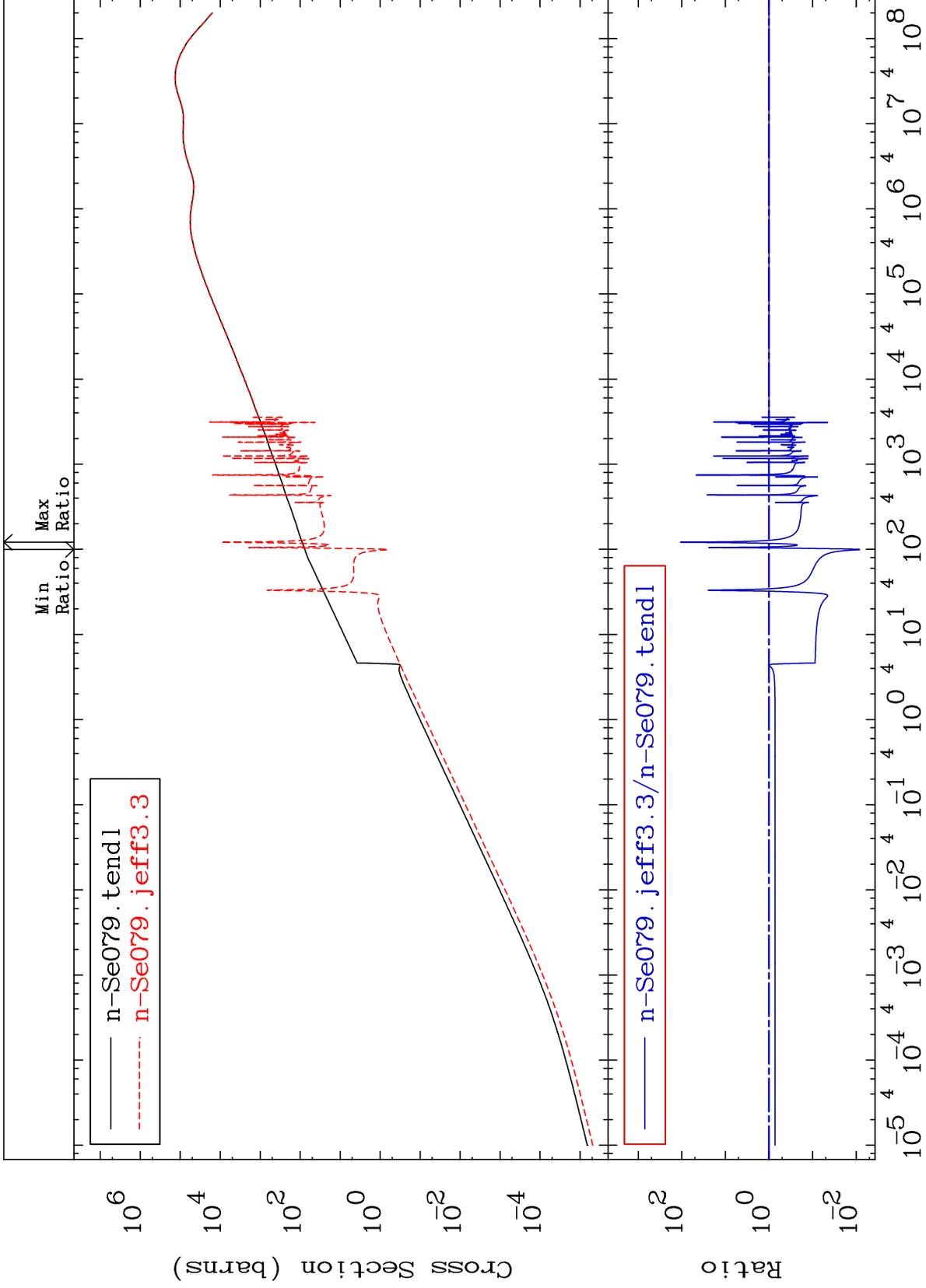
34-Se-79

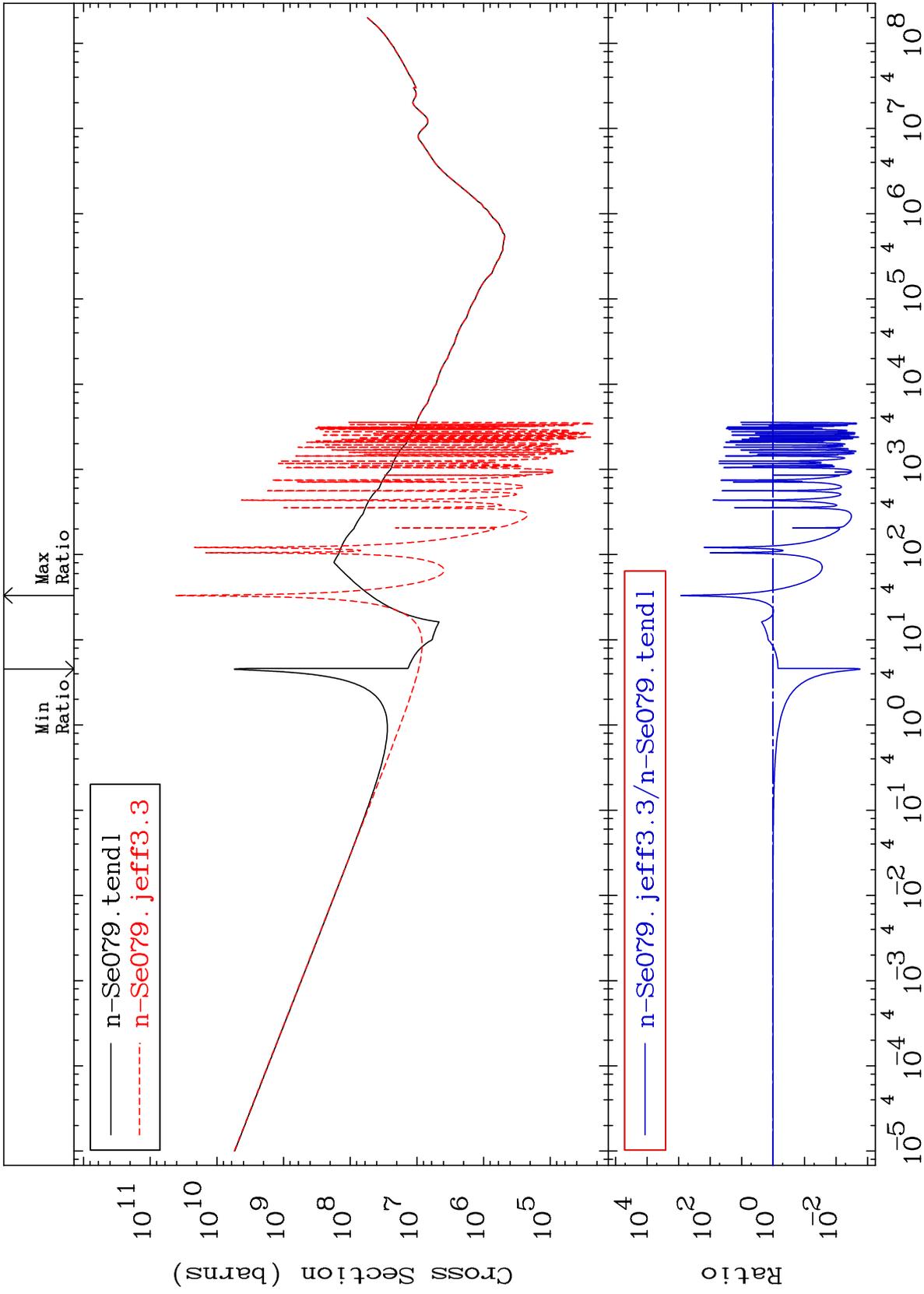


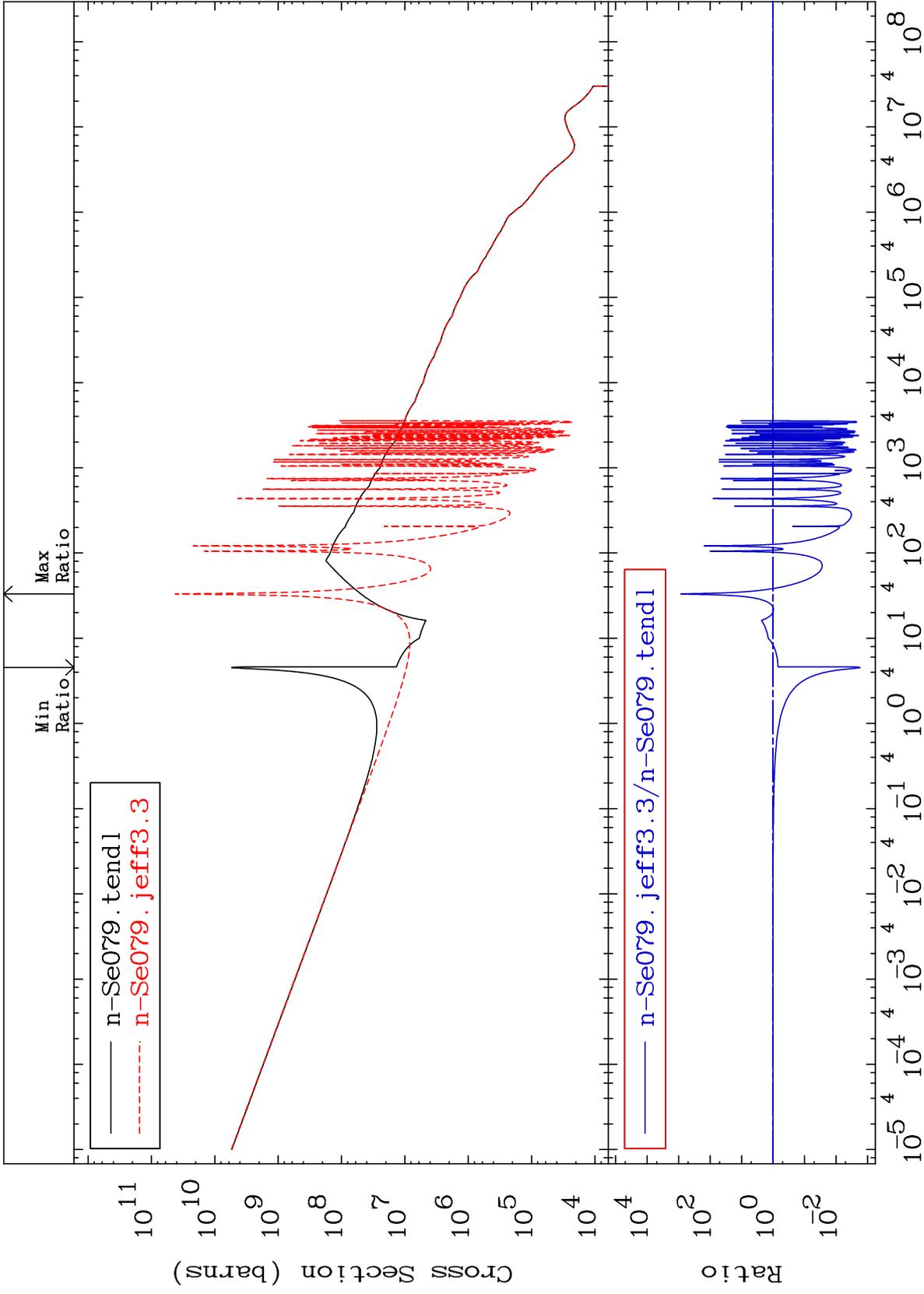
MAT 3440

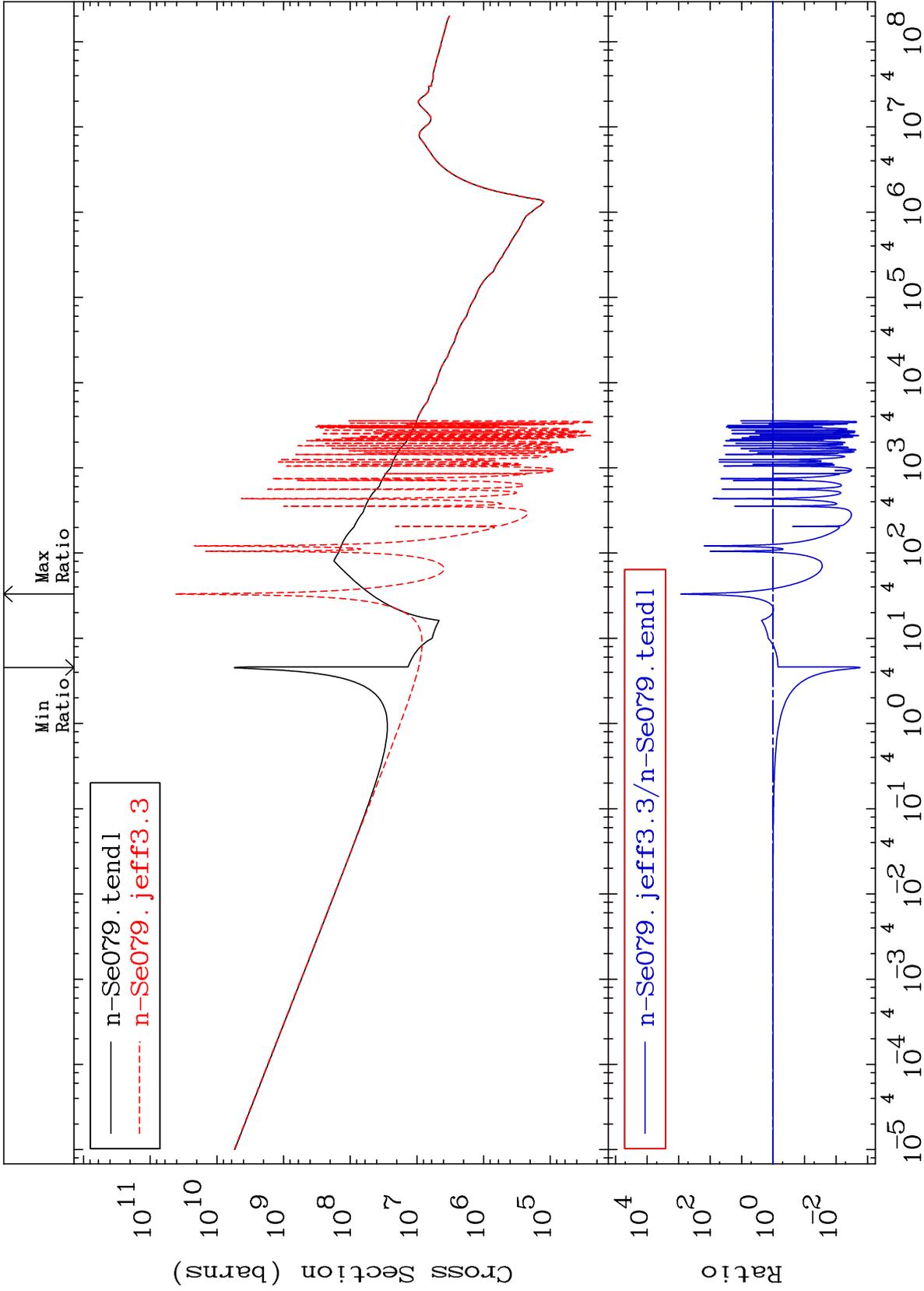
Kerma elastic  
Cross Section

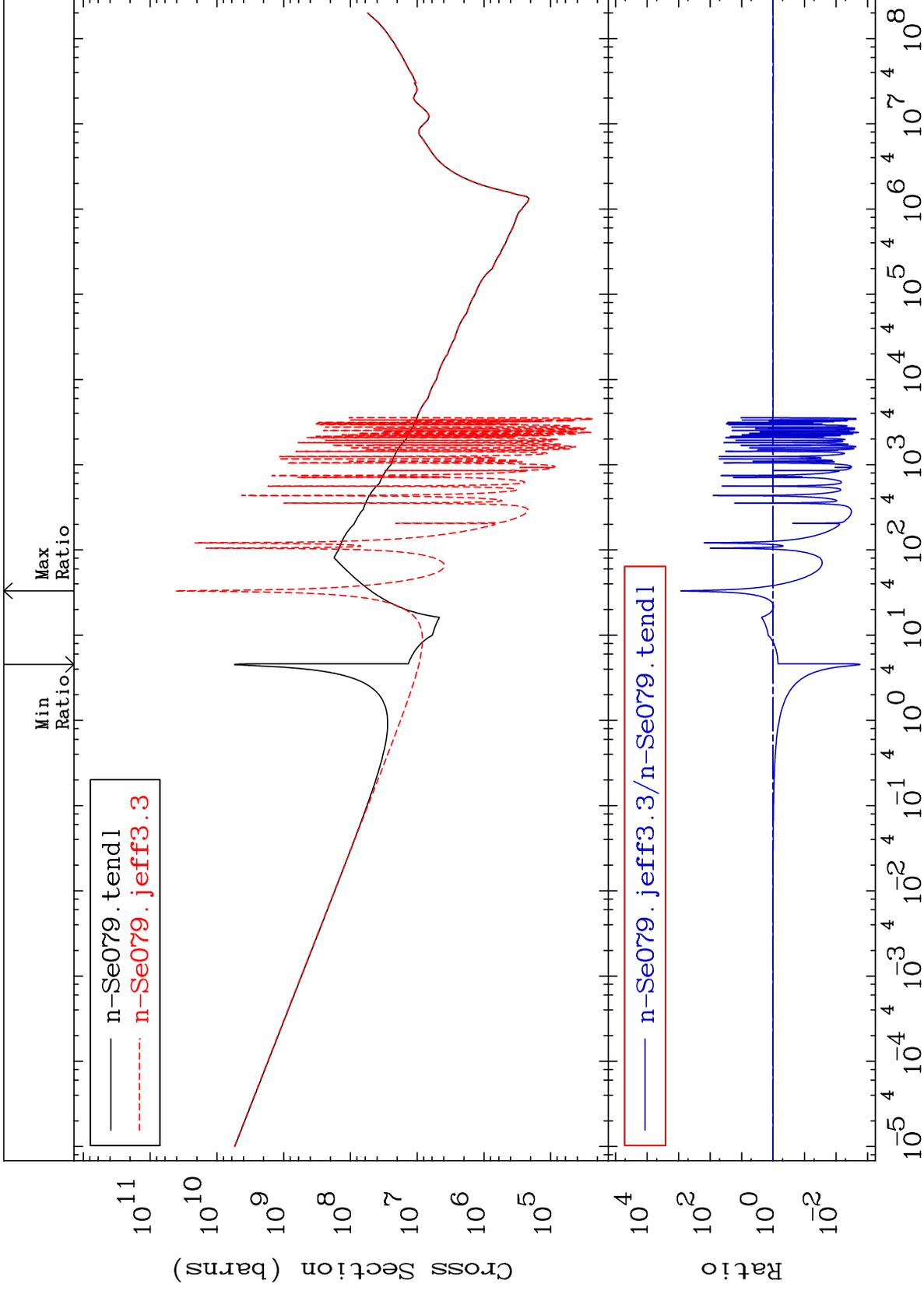
<sup>34</sup>Se-79  
-99.17 To 9999. %

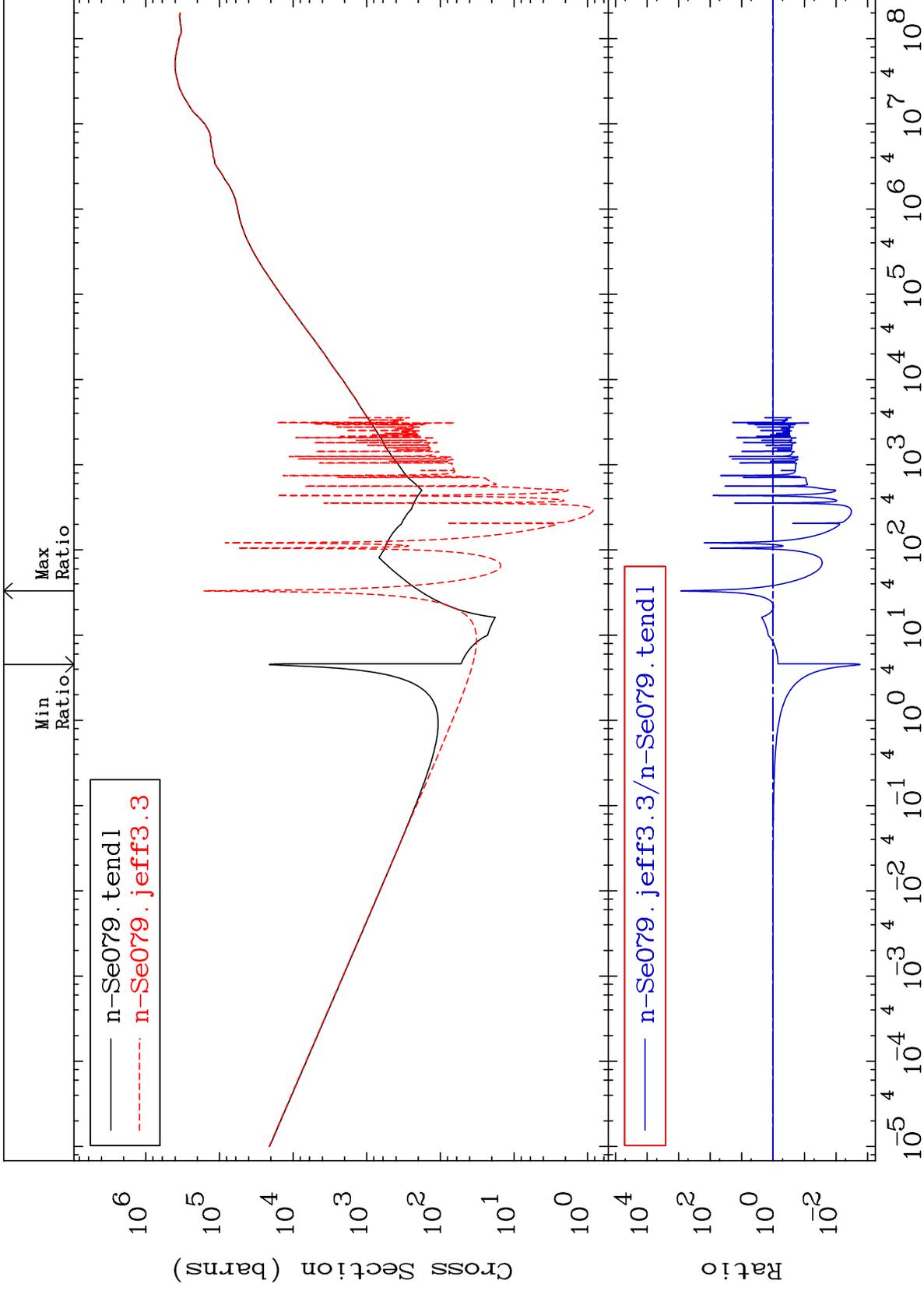








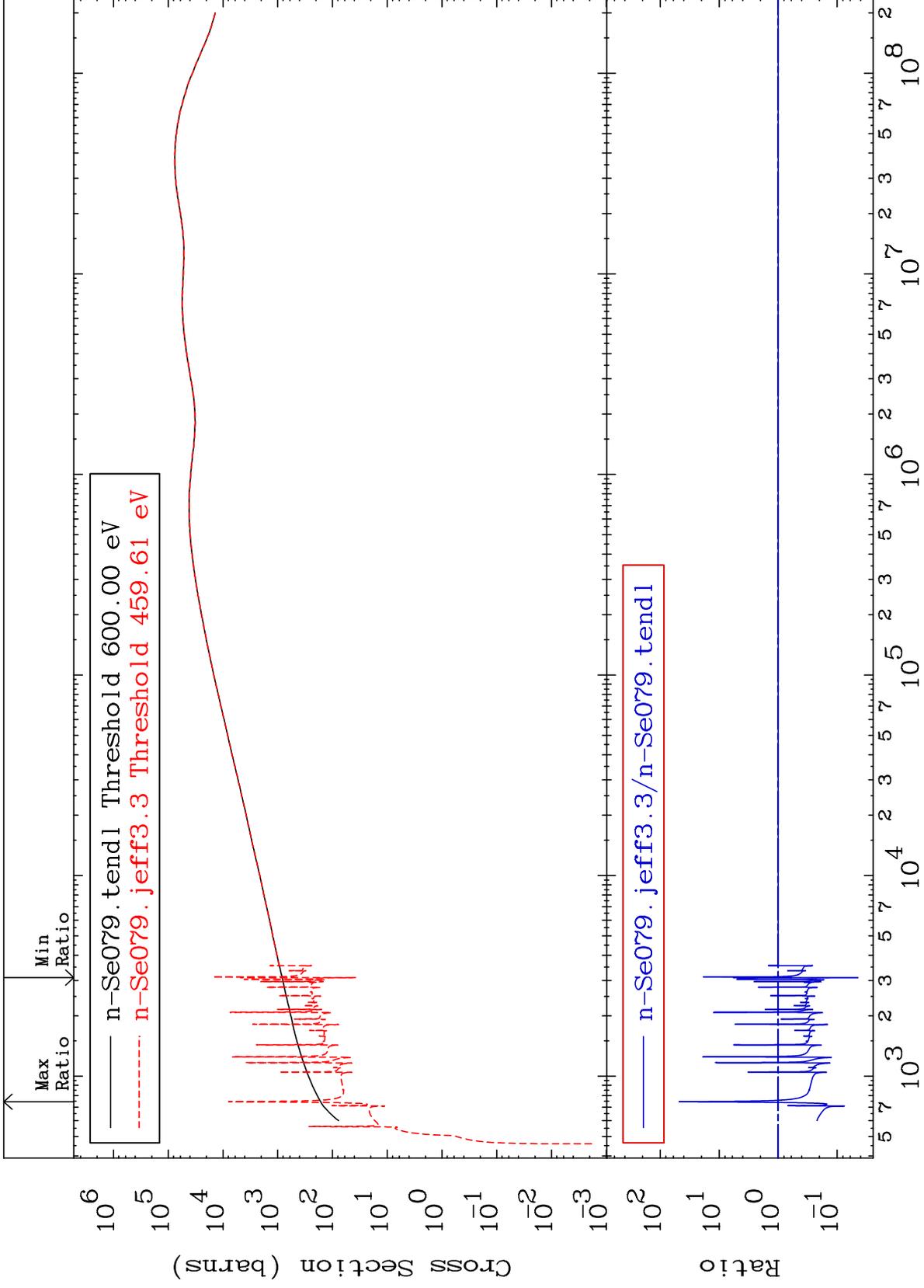


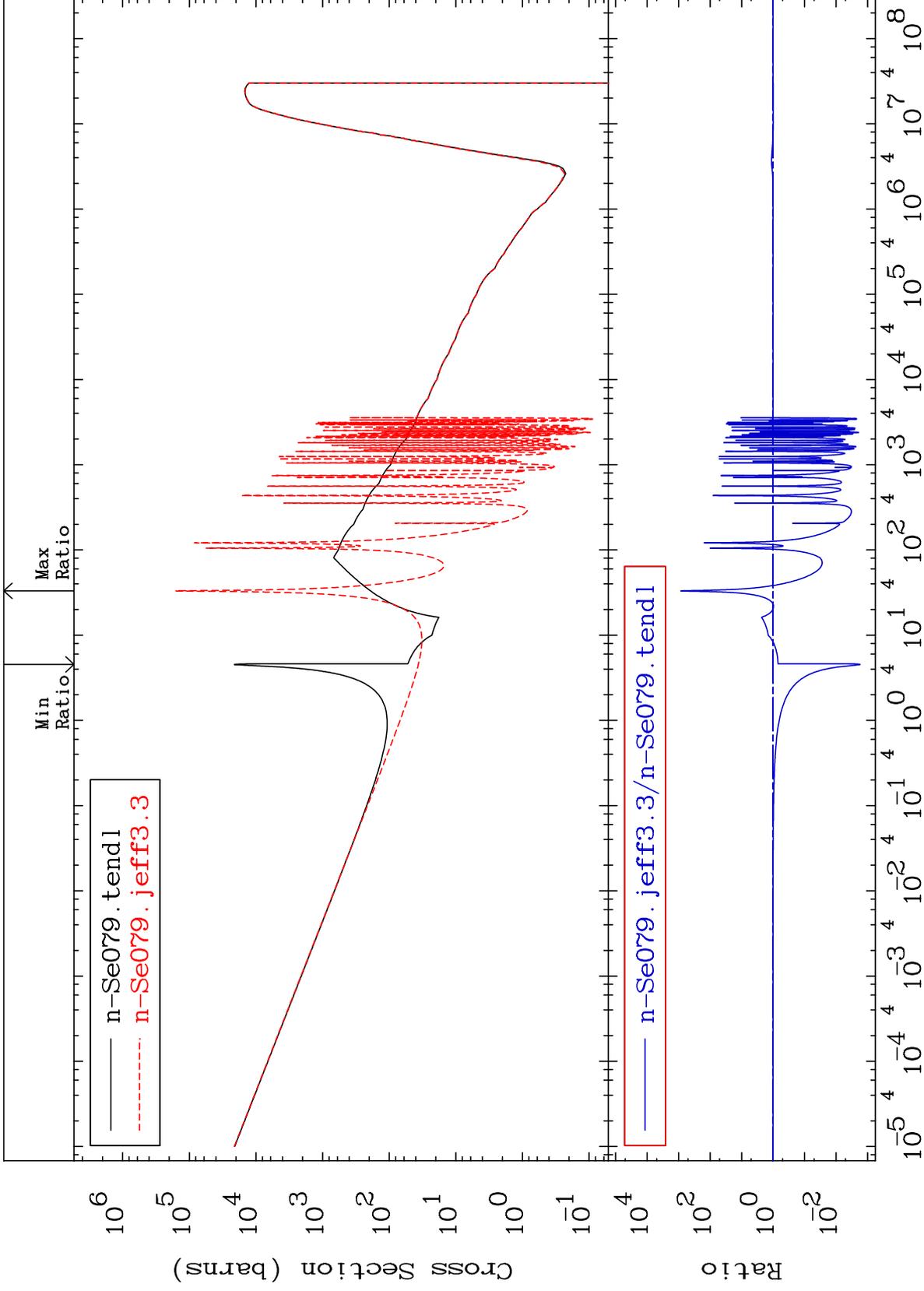


MAT 3440

Dpa elastic (mt2)  
Cross Section

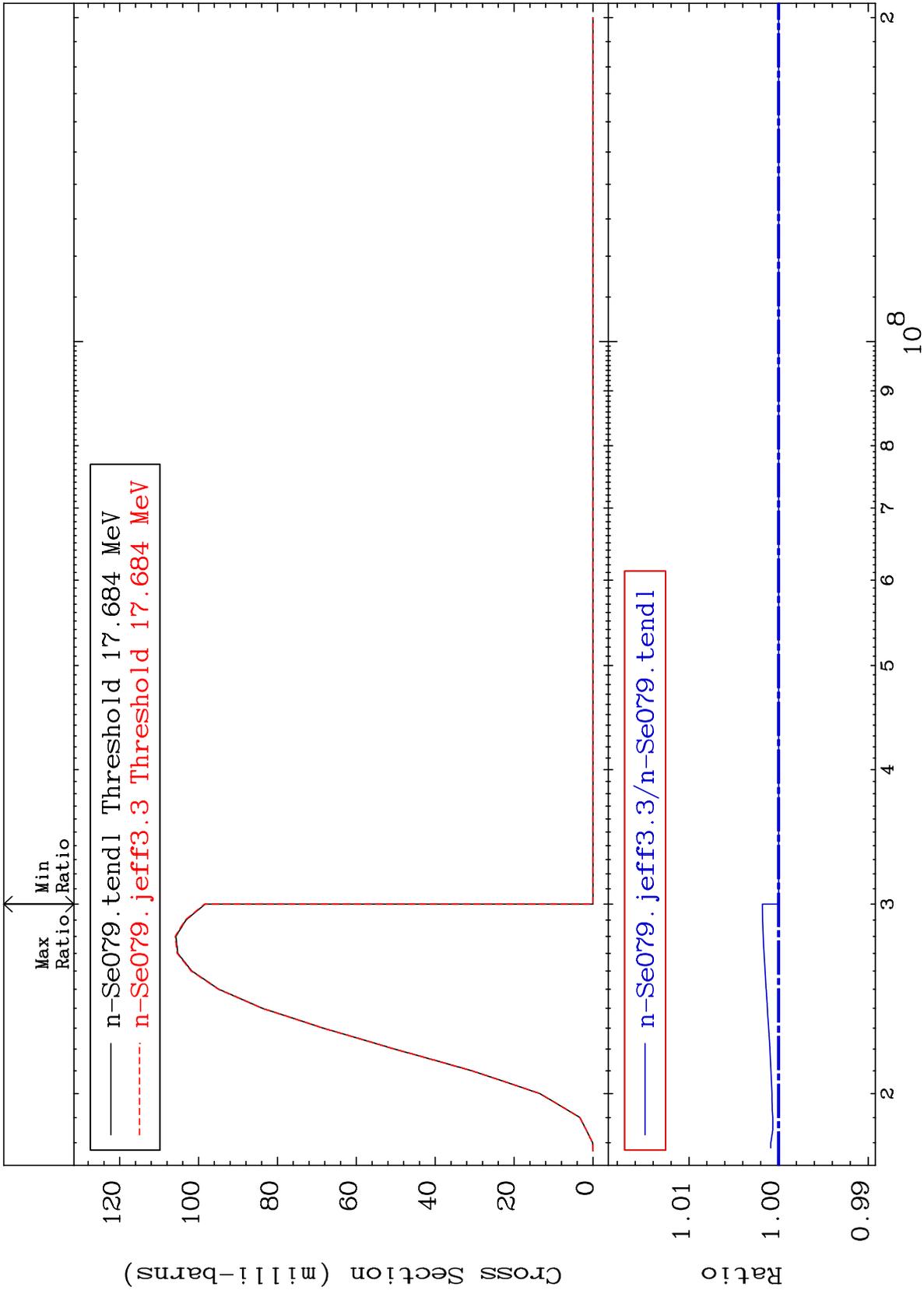
<sup>34</sup>Se-79  
-95.56 To 4701. %





MAT 3440

(n,3n):34-Se-77g 34-Se-79  
Radionuclide Production Cross Section 0.000 To 0.182 %



60

Incident Energy (eV)

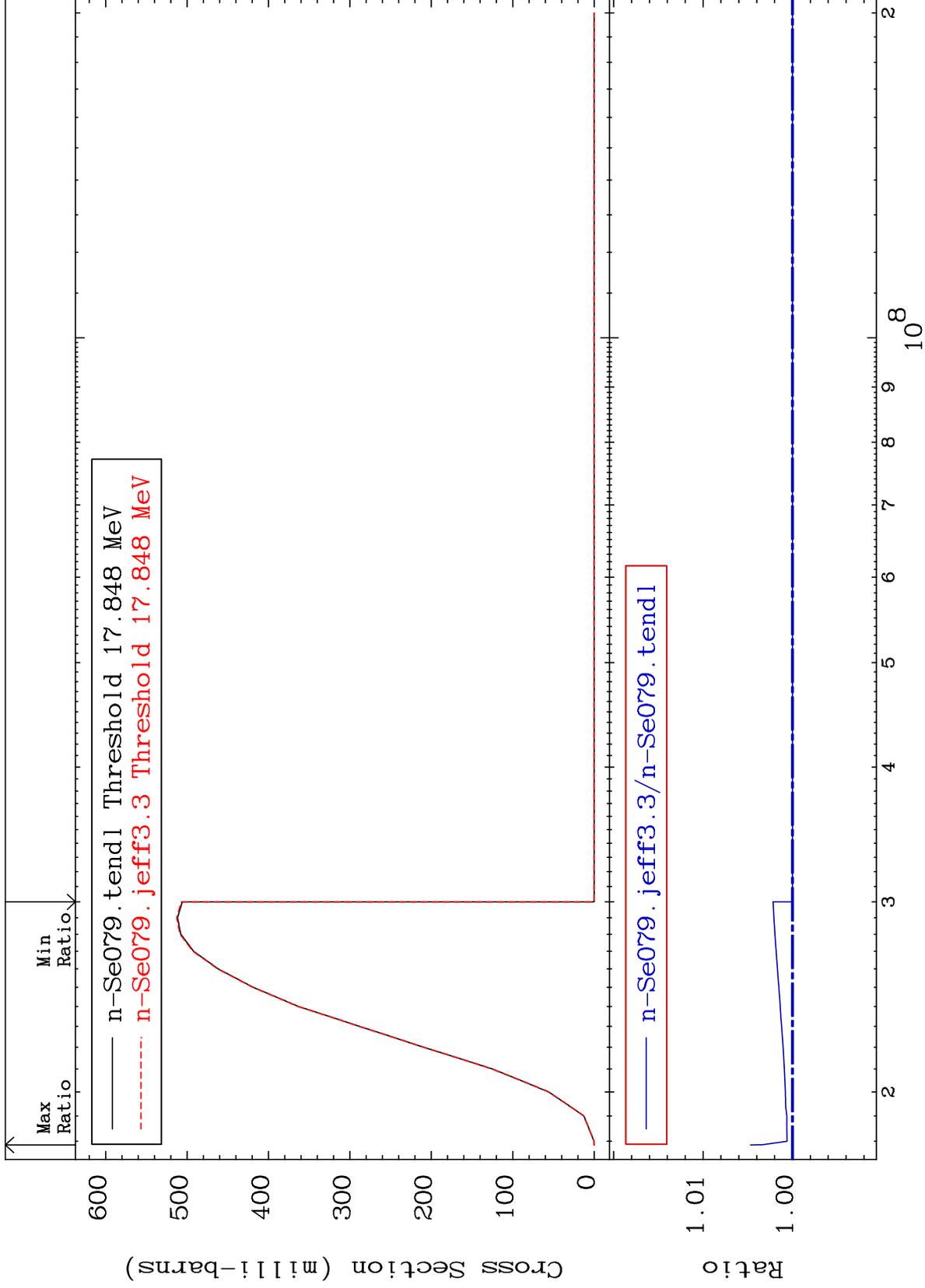
34-Se-79

MAT 3440

(n,3n):34-Se-77m1

34-Se-79

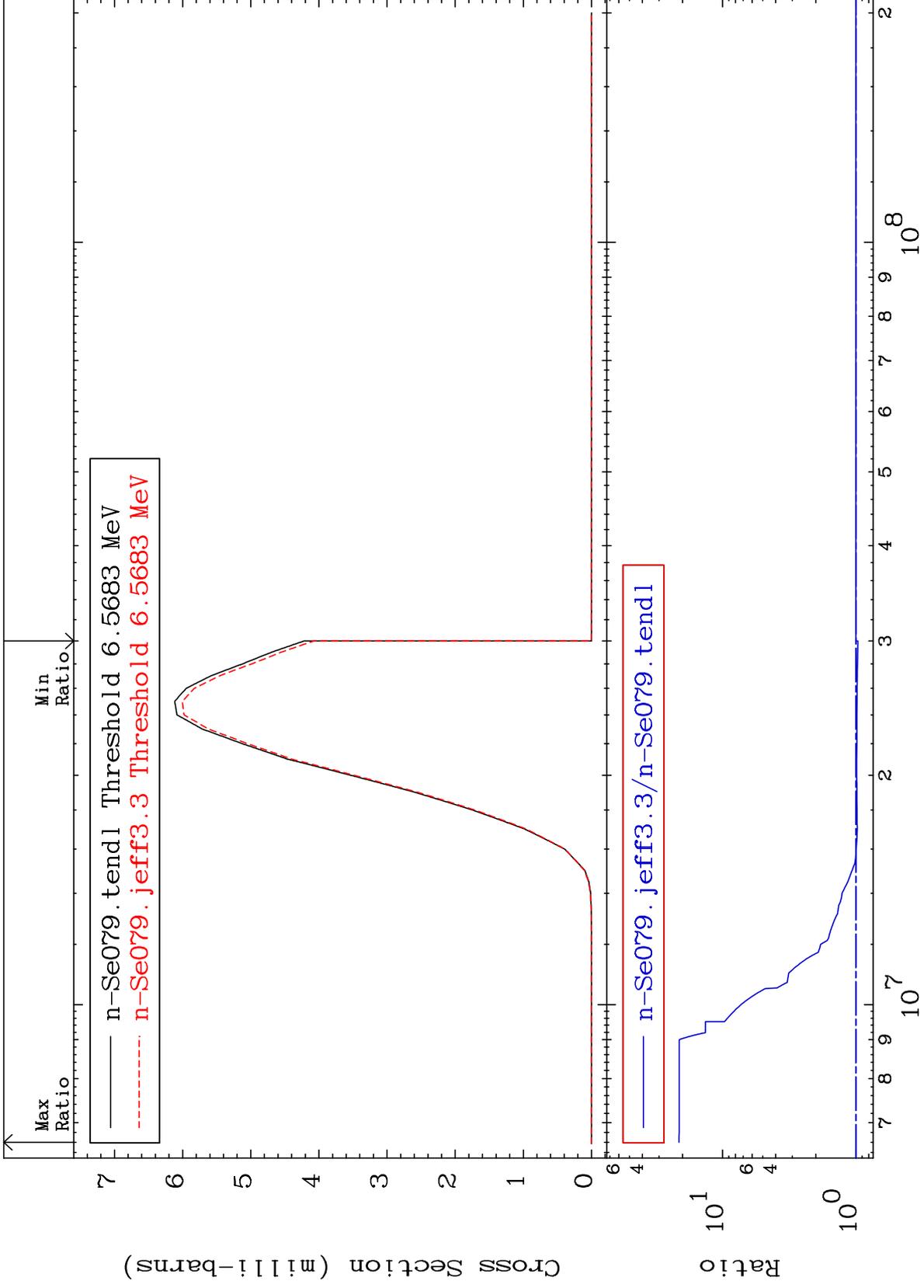
Radionuclide Production Cross Section 0.000 To 0.469 %



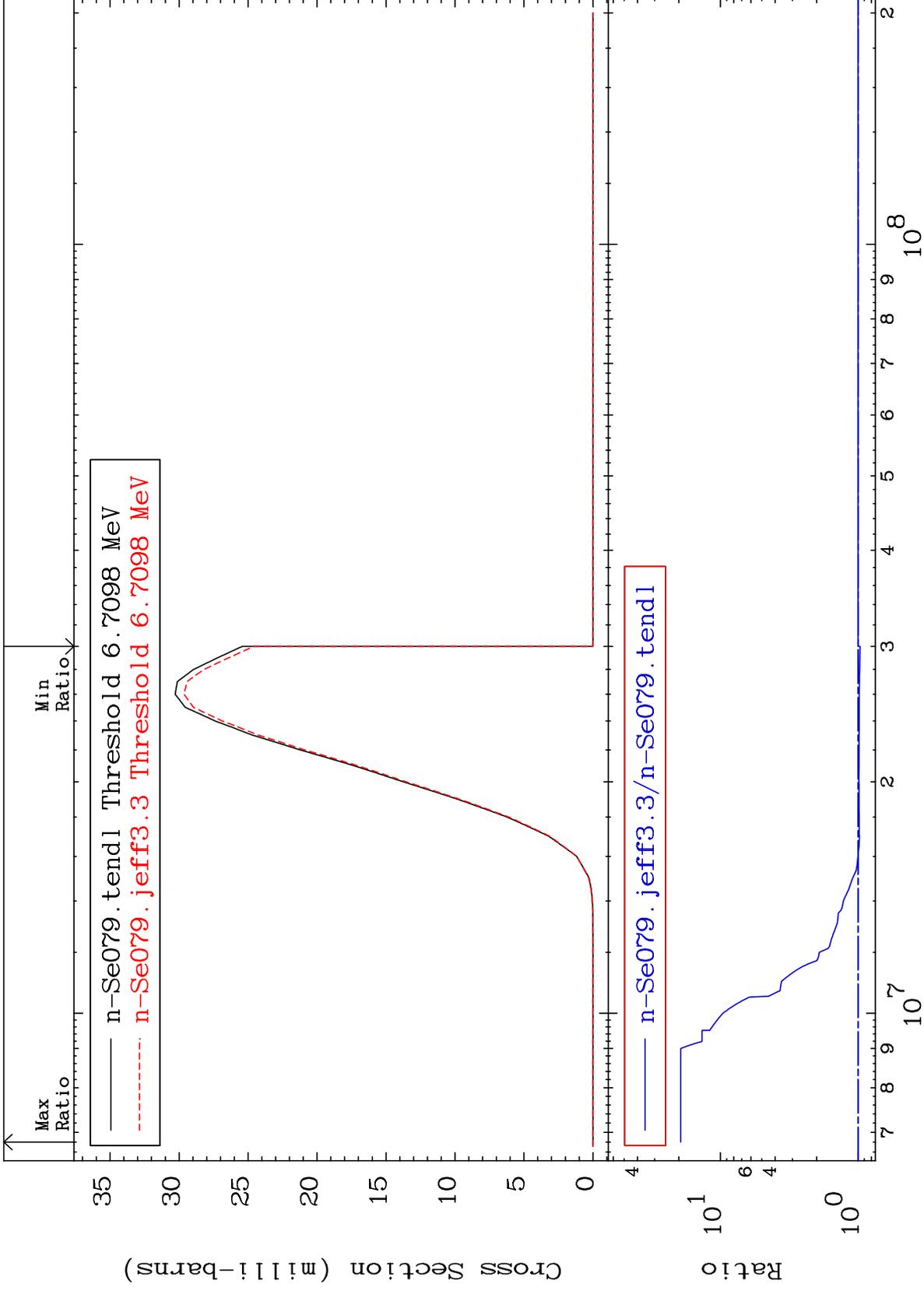
61

Incident Energy (eV)

34-Se-79



Radionuclide Production Cross Section -3.333 To 1839. %

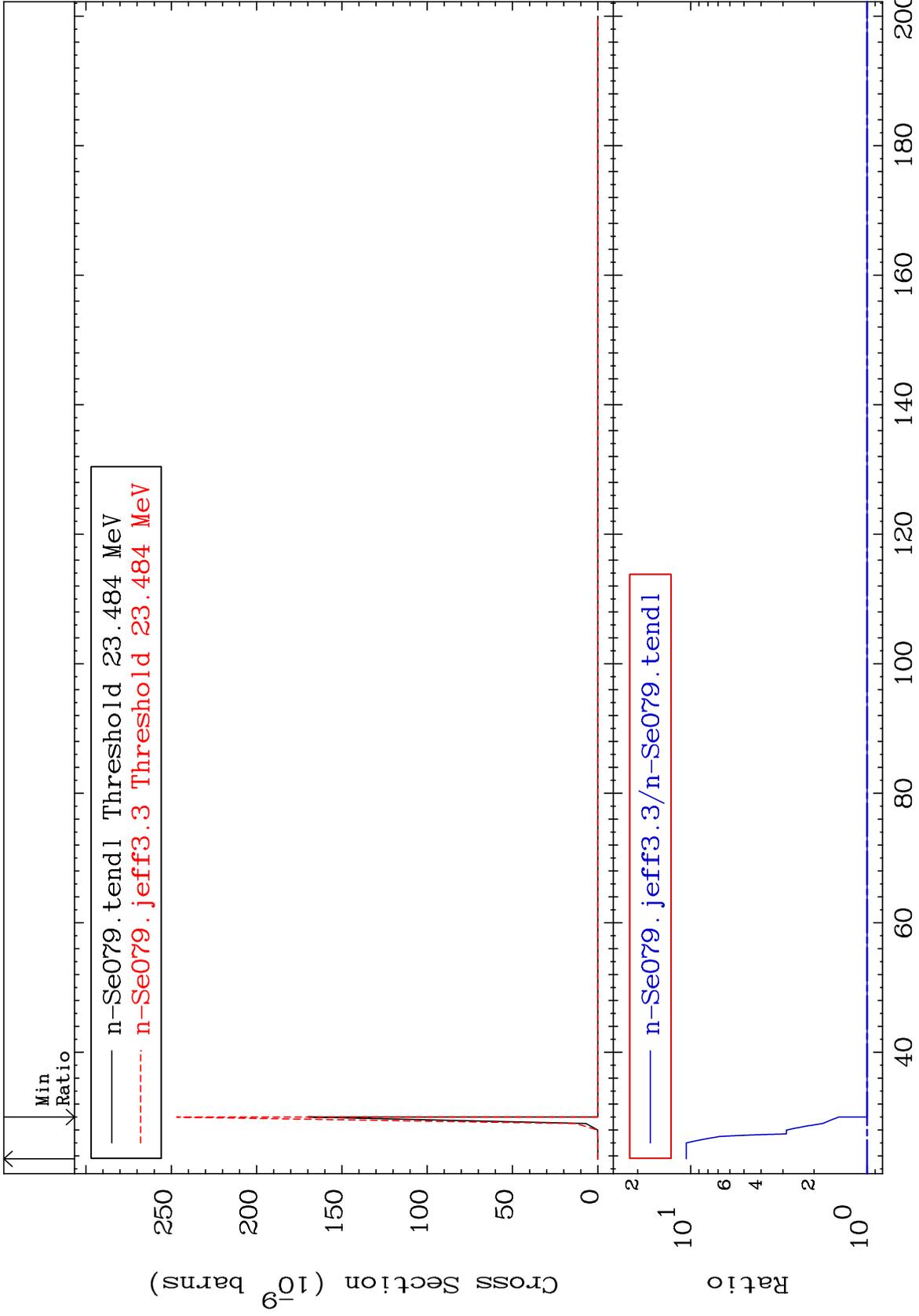


MAT 3440

(n,3n)  $\alpha$ :32-Ge-73g

<sup>34</sup>Se-79

Radionuclide Production Cross Section 0.000 To 960.1 %



64

Incident Energy (MeV)

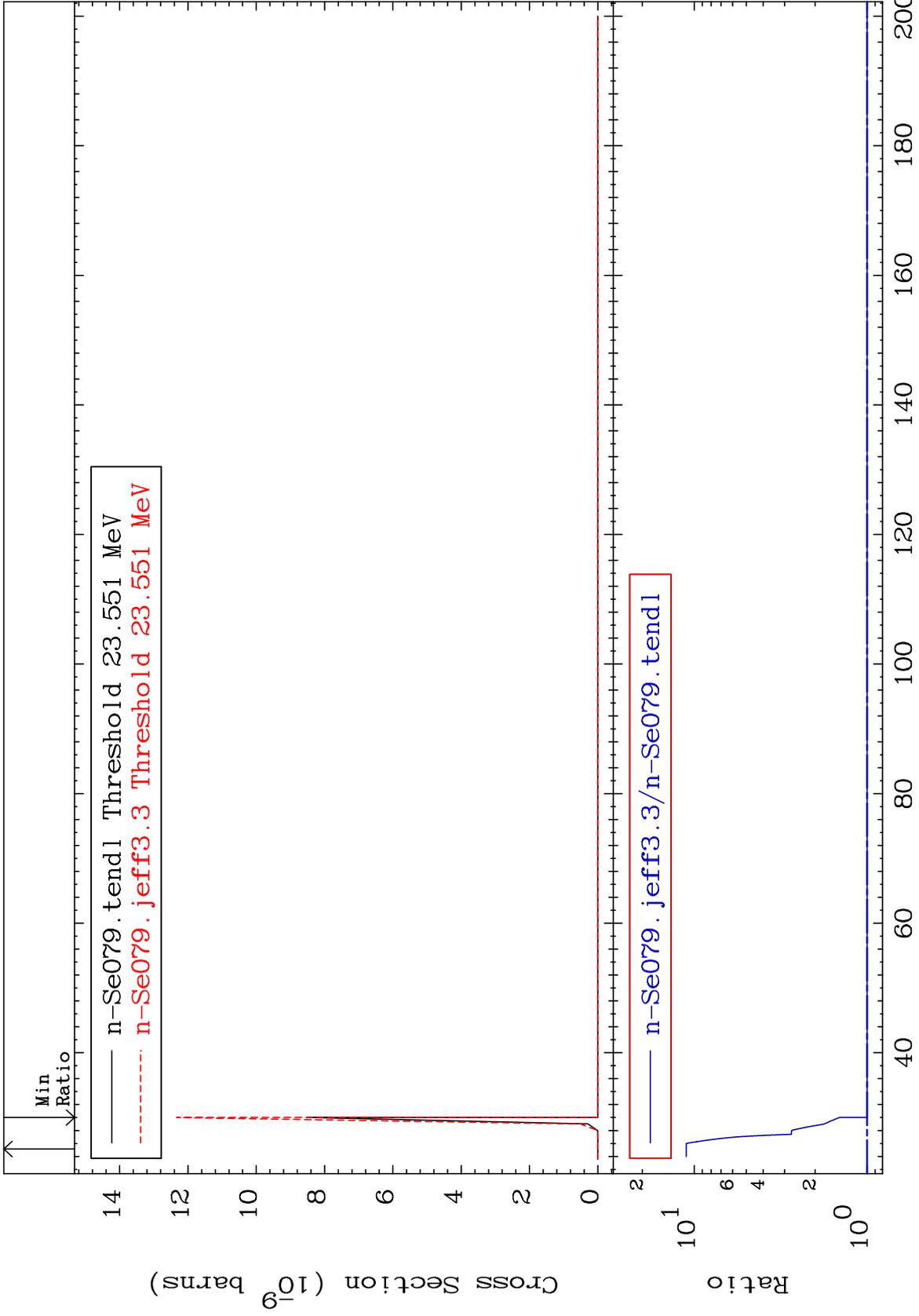
<sup>34</sup>Se-79

MAT 3440

(n,3n)  $\alpha$ :32-Ge-73m2

34-Se-79

Radionuclide Production Cross Section 0.000 To 1013. %



65

Incident Energy (MeV)

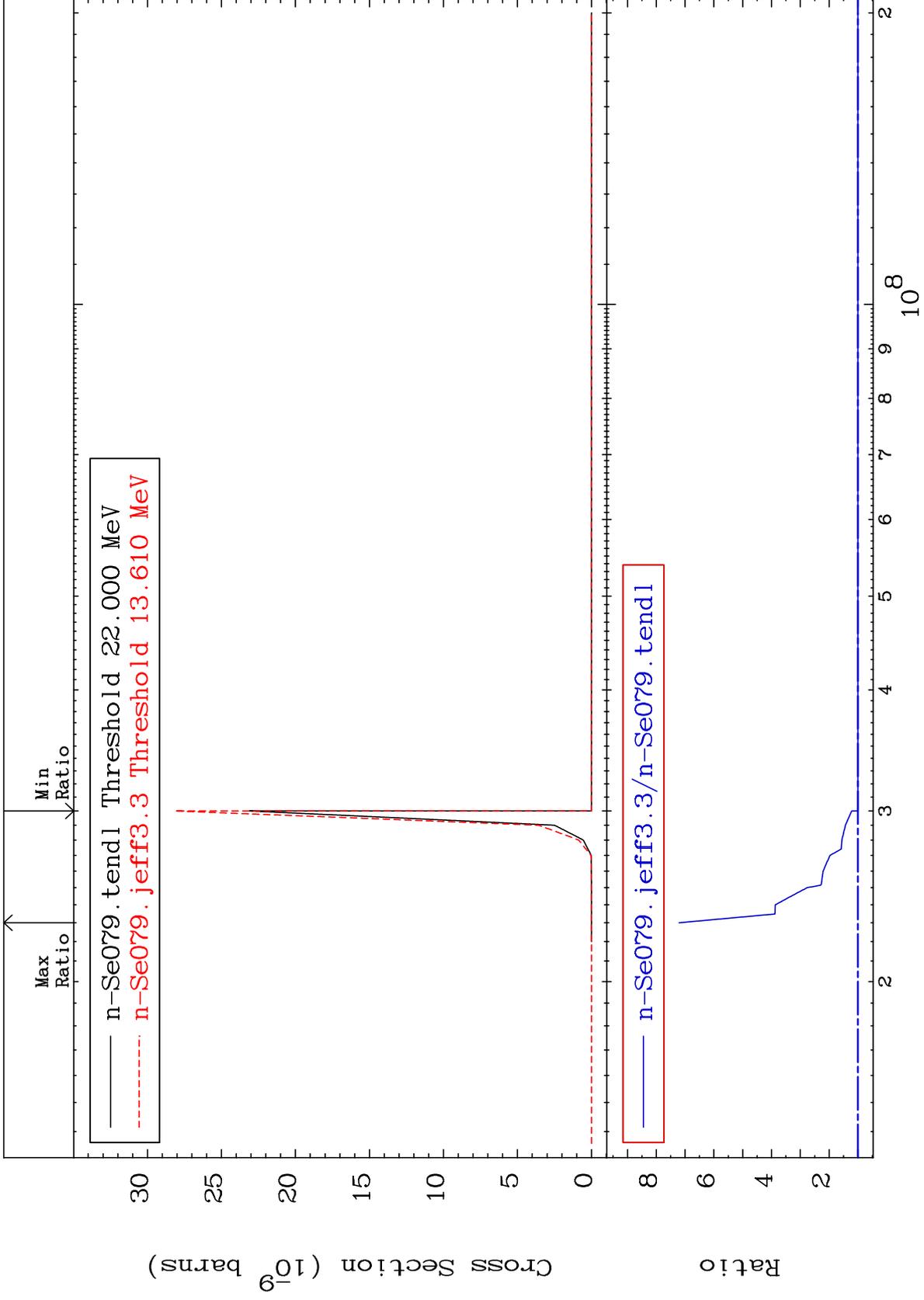
34-Se-79

MAT 3440

(n, n')  $2\alpha$ :30-Zn-71g

$^{34}\text{Se-79}$

Radionuclide Production Cross Section 0.000 To 620.9 %

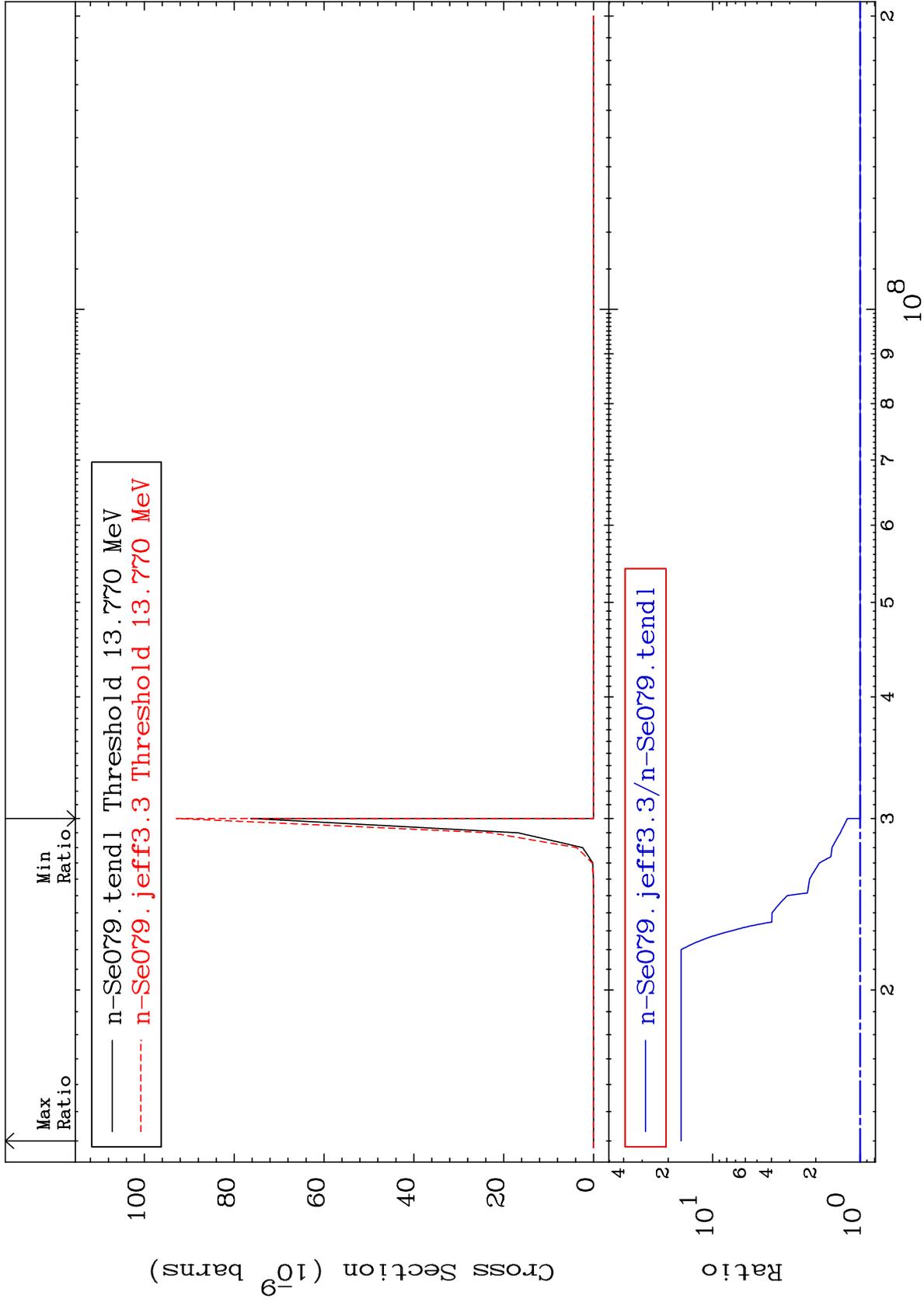


MAT 3440

(n, n') 2α:30-Zn-71m1

34-Se-79

Radionuclide Production Cross Section 0.000 To 1532. %

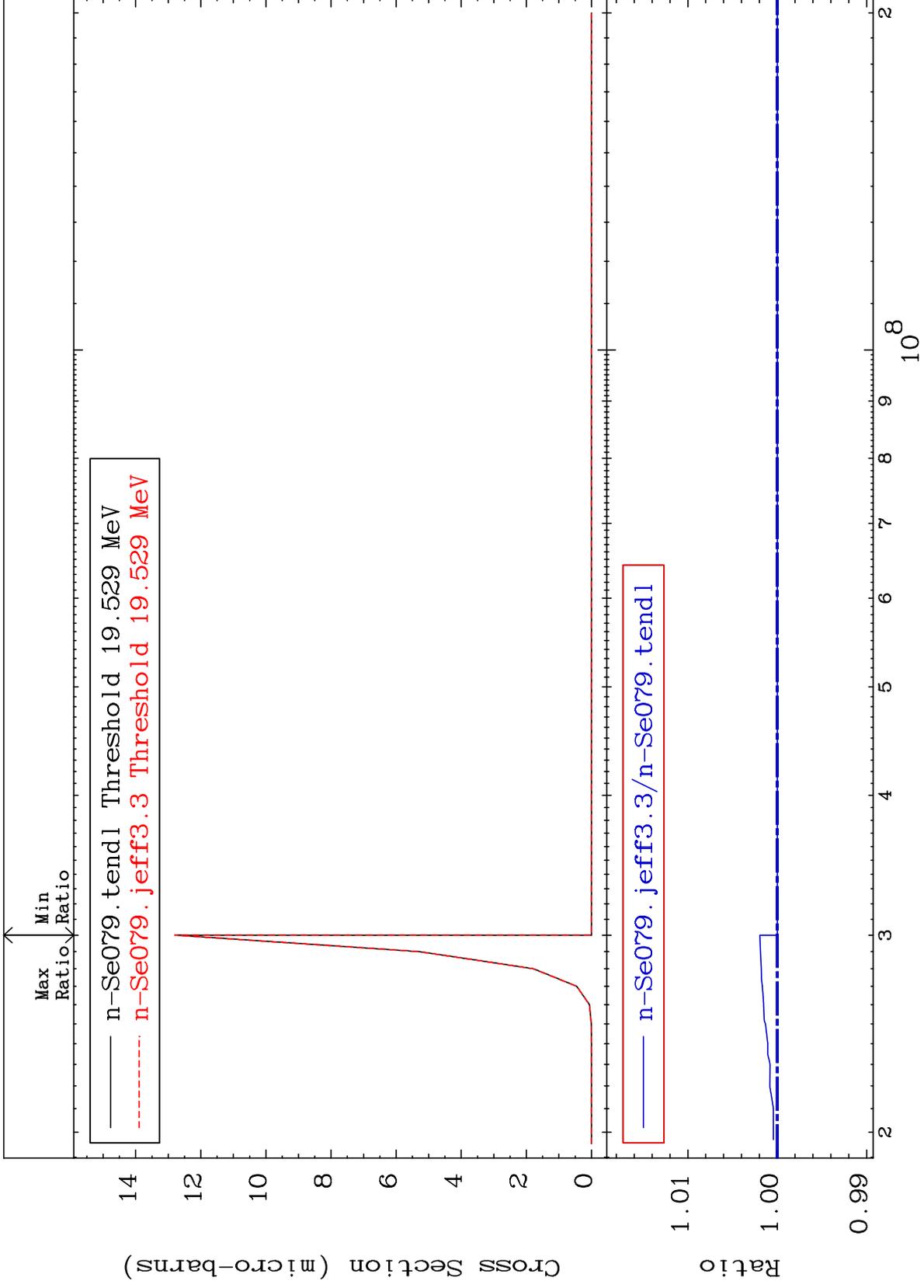


MAT 3440

(n,2n) p:32-Ge-77g

<sup>34</sup>Se-79

Radionuclide Production Cross Section 0.000 To 0.196 %

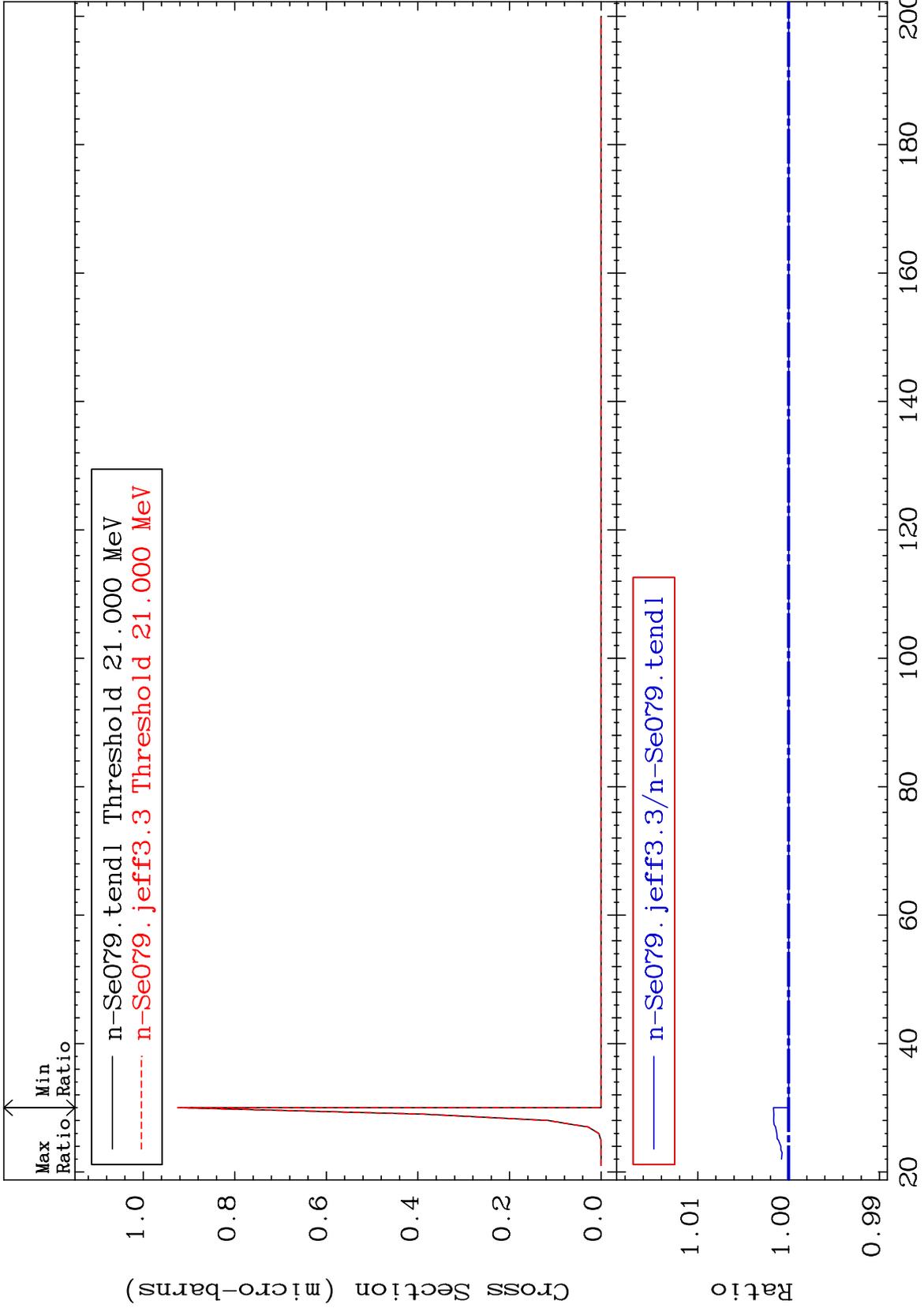


MAT 3440

(n,2n) p:32-Ge-77m1

34-Se-79

Radionuclide Production Cross Section 0.000 To 0.168 %



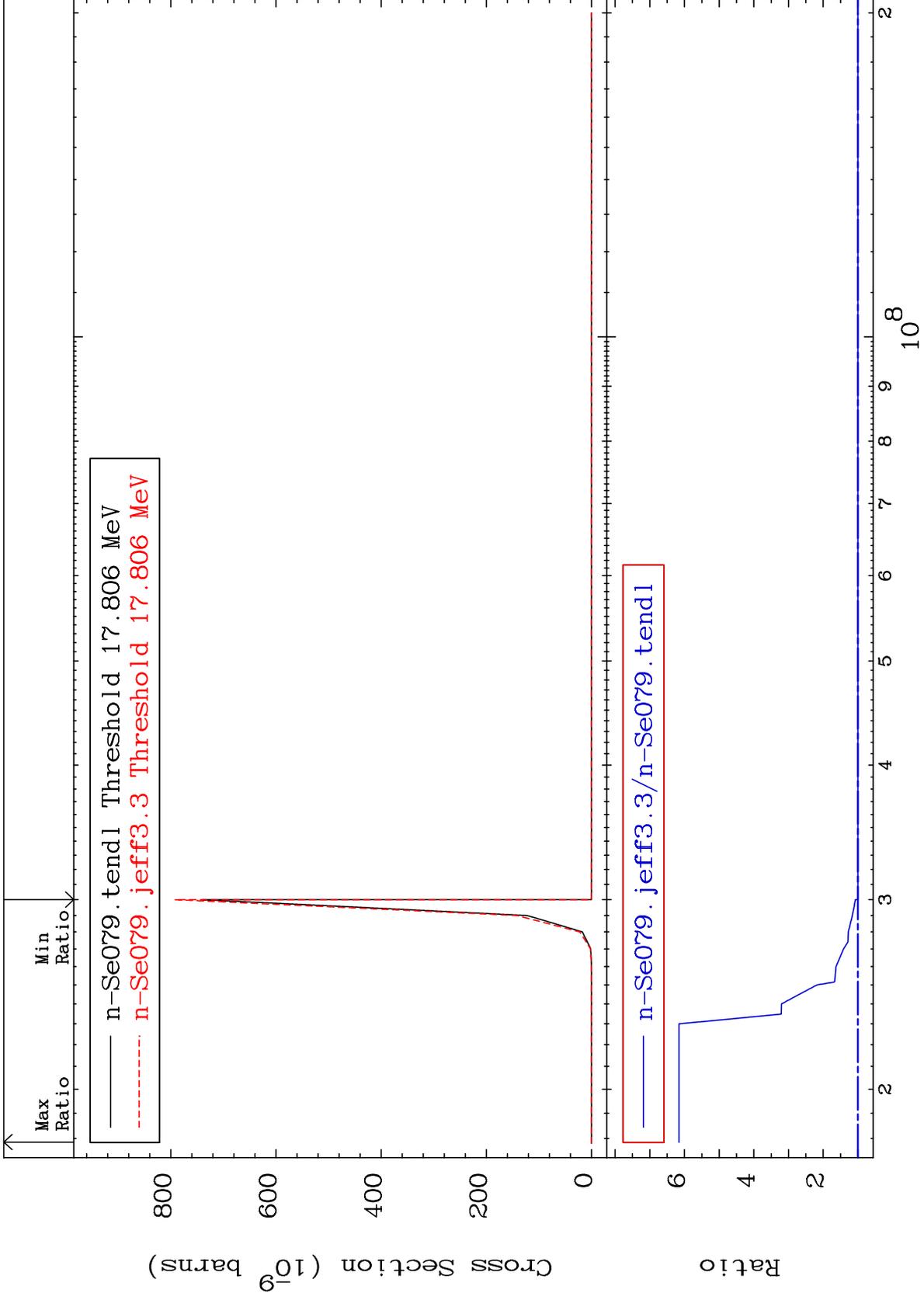
69

Incident Energy (MeV)

34-Se-79

MAT 3440

(n,n') p  $\alpha$ :31-Ga-74g 34-Se-79  
Radionuclide Production Cross Section 0.000 To 515.7 %



70

Incident Energy (eV)

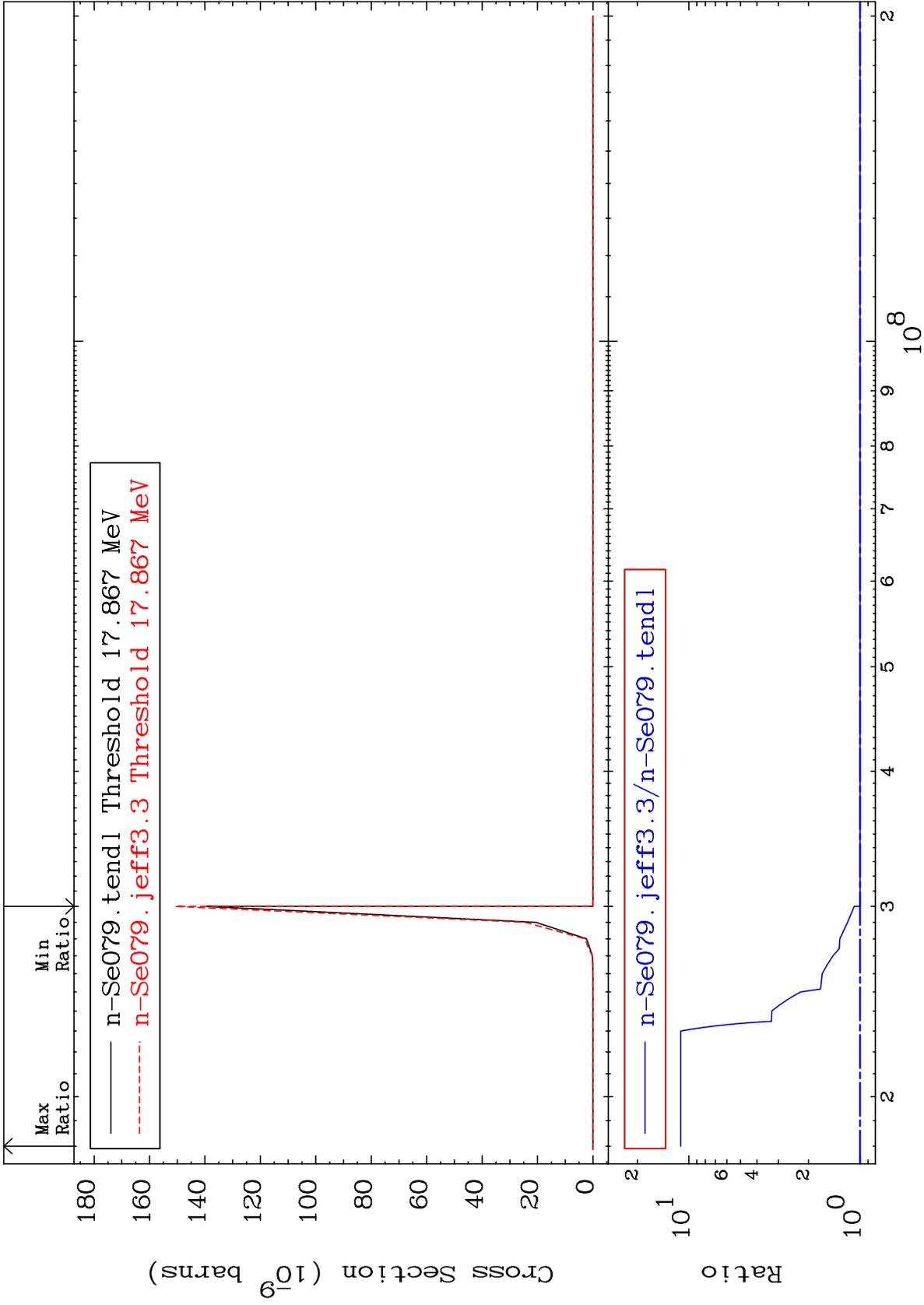
34-Se-79

MAT 3440

(n, n') p  $\alpha$ :31-Ga-74m2

<sup>34</sup>Se-79

Radionuclide Production Cross Section 0.000 To 1015. %

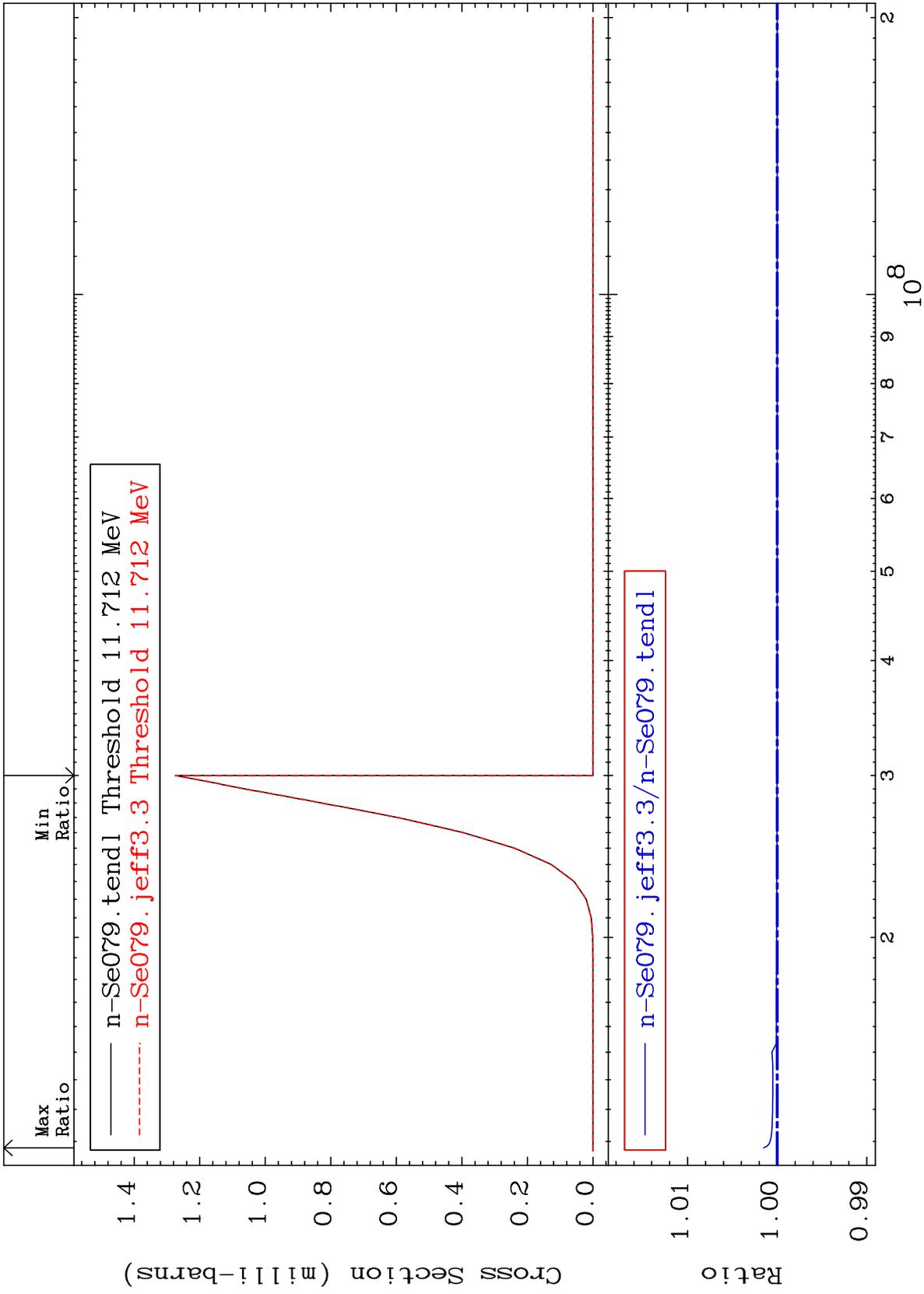


MAT 3440

(n,He-3) : 32-Ge-77g

34-Se-79

Radionuclide Production Cross Section 0.000 To 0.151 %



72

Incident Energy (eV)

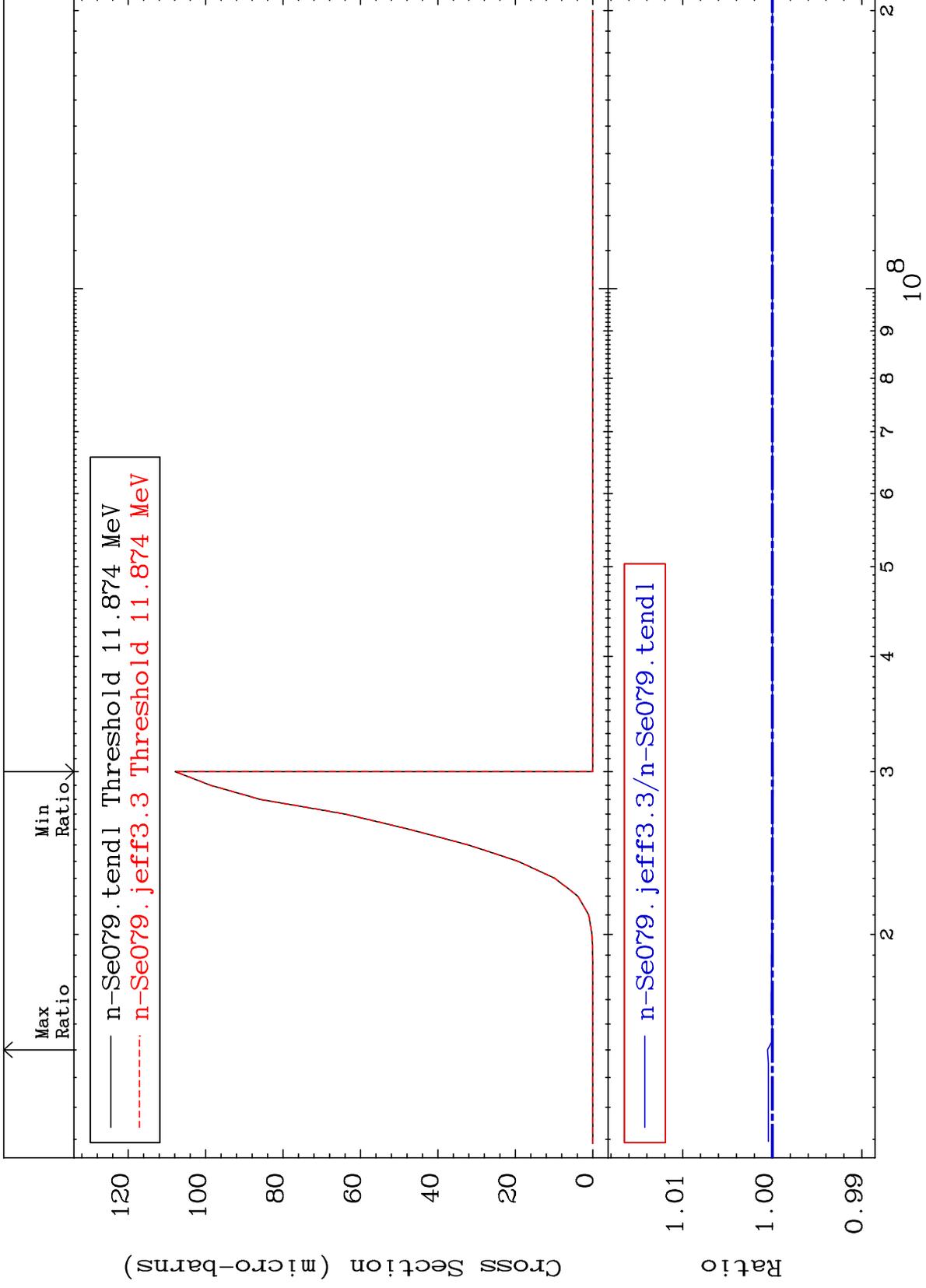
34-Se-79

MAT 3440

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

34-Se-79

Radionuclide Production Cross Section -0.006 To 0.054 %



73

Incident Energy (eV)

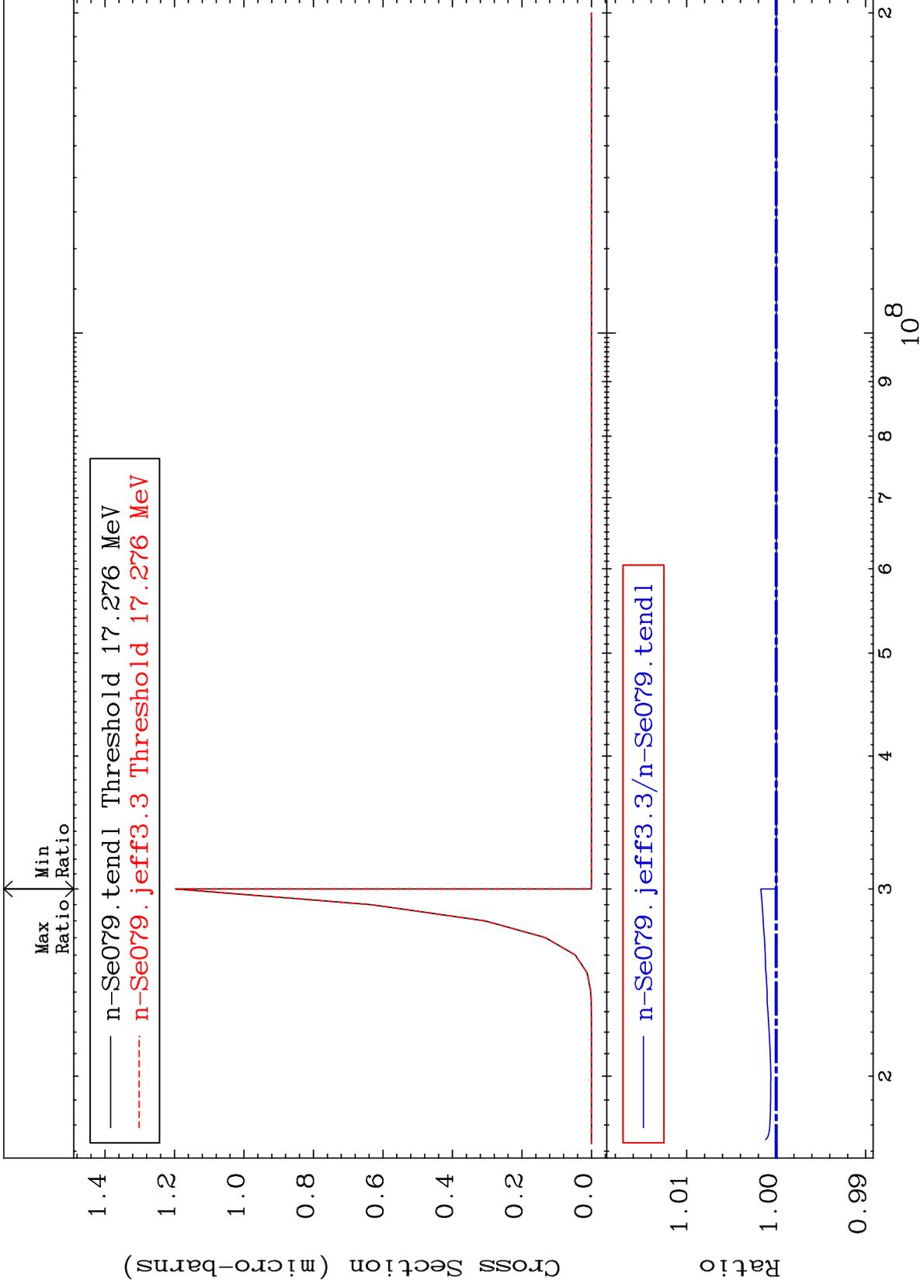
34-Se-79

MAT 3440

(n, p) d:32-Ge-77g

<sup>34</sup>Se-79

Radionuclide Production Cross Section 0.000 To 0.172 %



74

Incident Energy (eV)

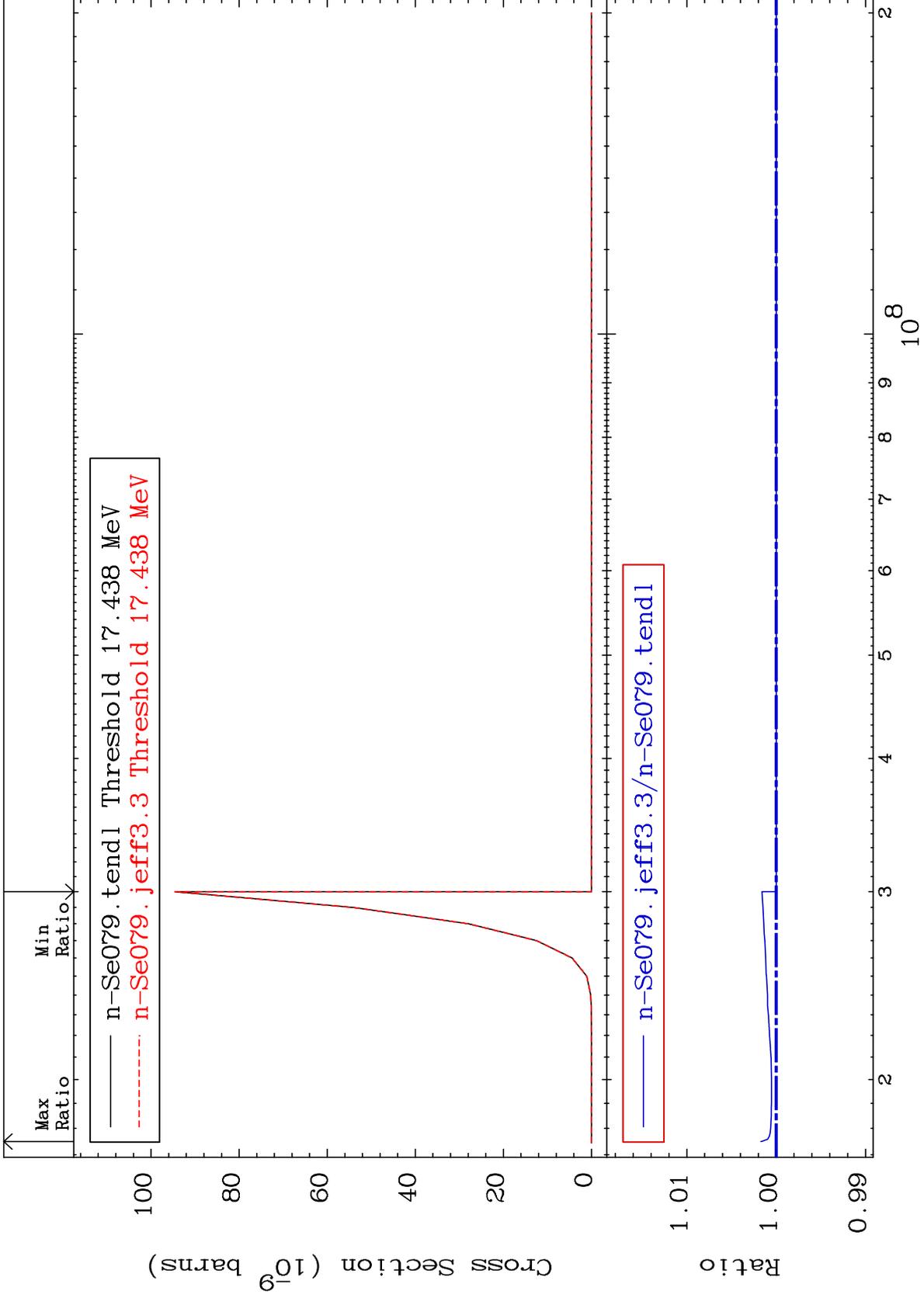
<sup>34</sup>Se-79

MAT 3440

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

34-<sup>Se</sup>-79

Radionuclide Production Cross Section 0.000 To 0.172 %



75

Incident Energy (eV)

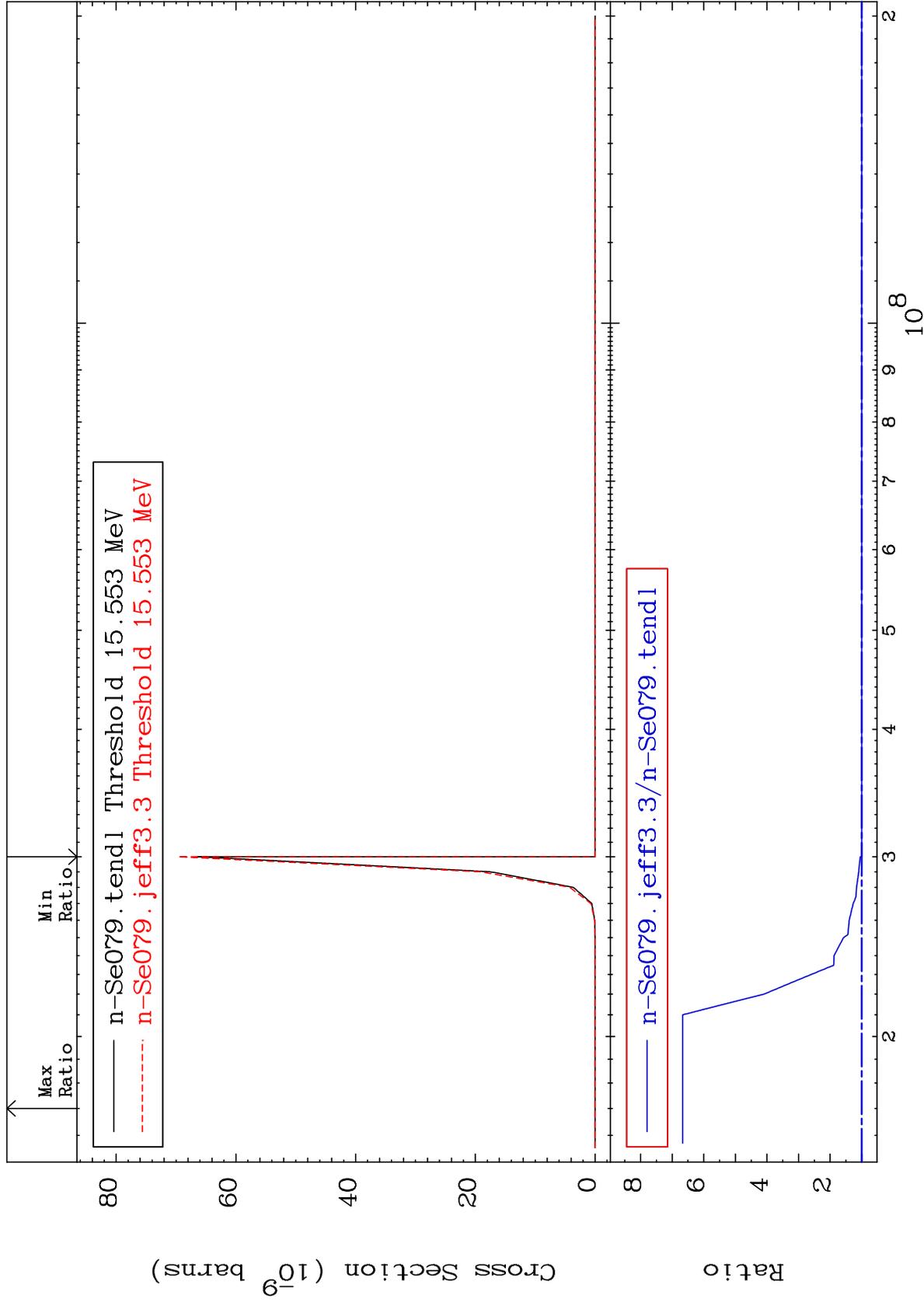
34-<sup>Se</sup>-79

MAT 3440

(n, d)  $\alpha$ :31-Ga-74g

<sup>34</sup>Se-79

Radionuclide Production Cross Section 0.000 To 566.6 %



76

Incident Energy (eV)

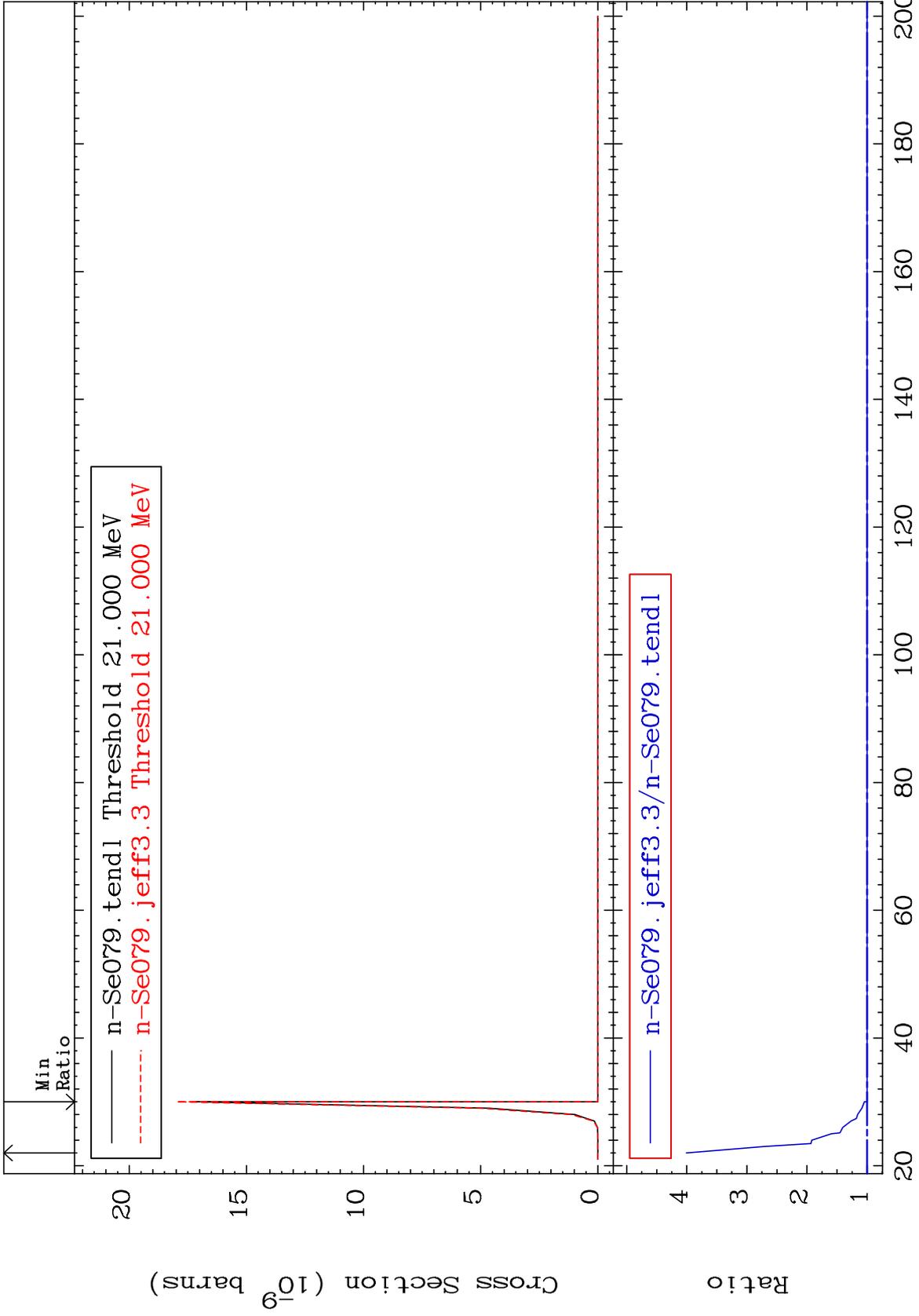
<sup>34</sup>Se-79

MAT 3440

(n, d)  $\alpha$ :31-Ga-74m2

<sup>34</sup>Se-79

Radionuclide Production Cross Section 0.000 To 300.7 %



77

Incident Energy (MeV)

<sup>34</sup>Se-79