

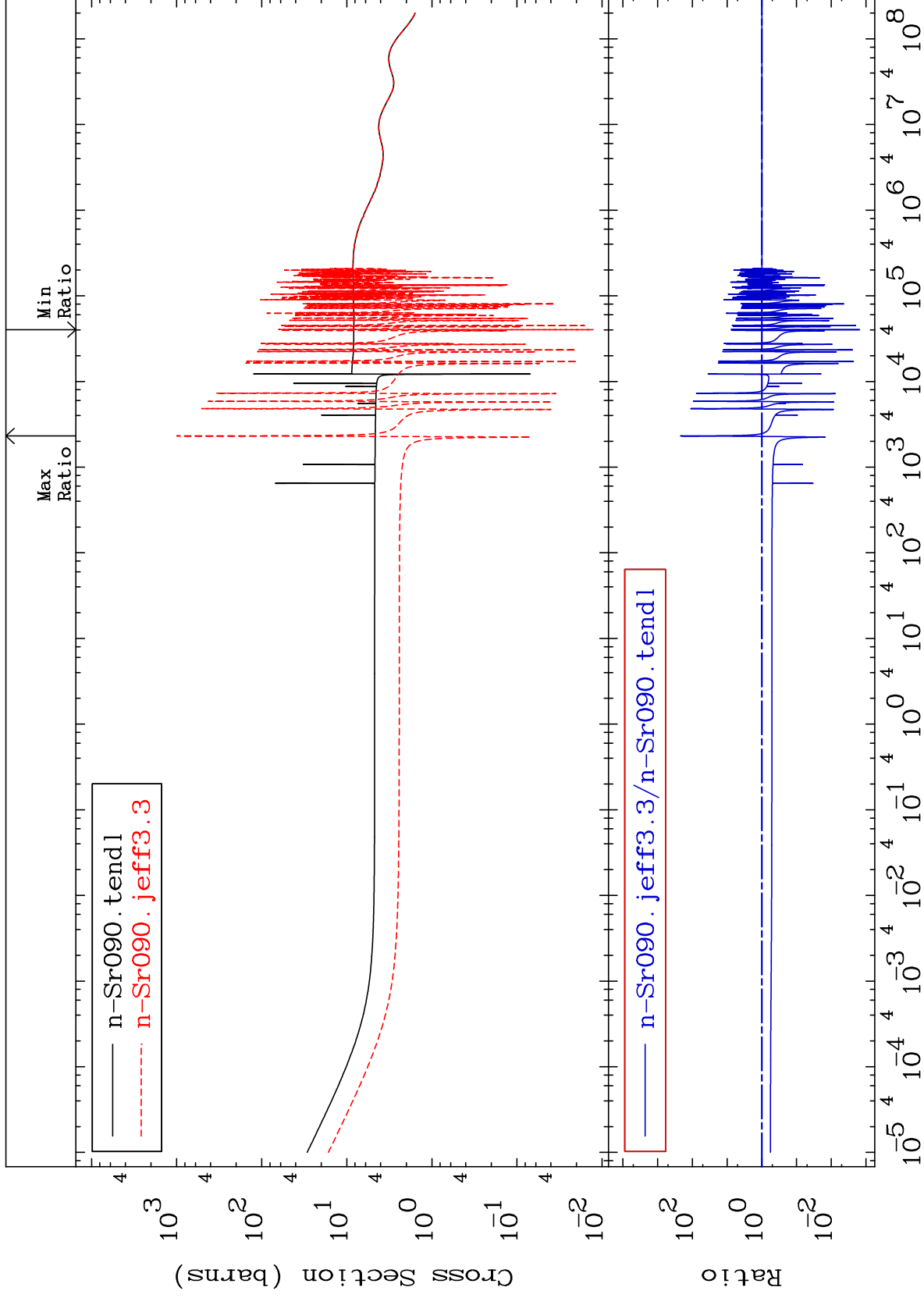
MAT 3843

Total

Cross Section

38-Sr-90

-99.85 To 9999. %



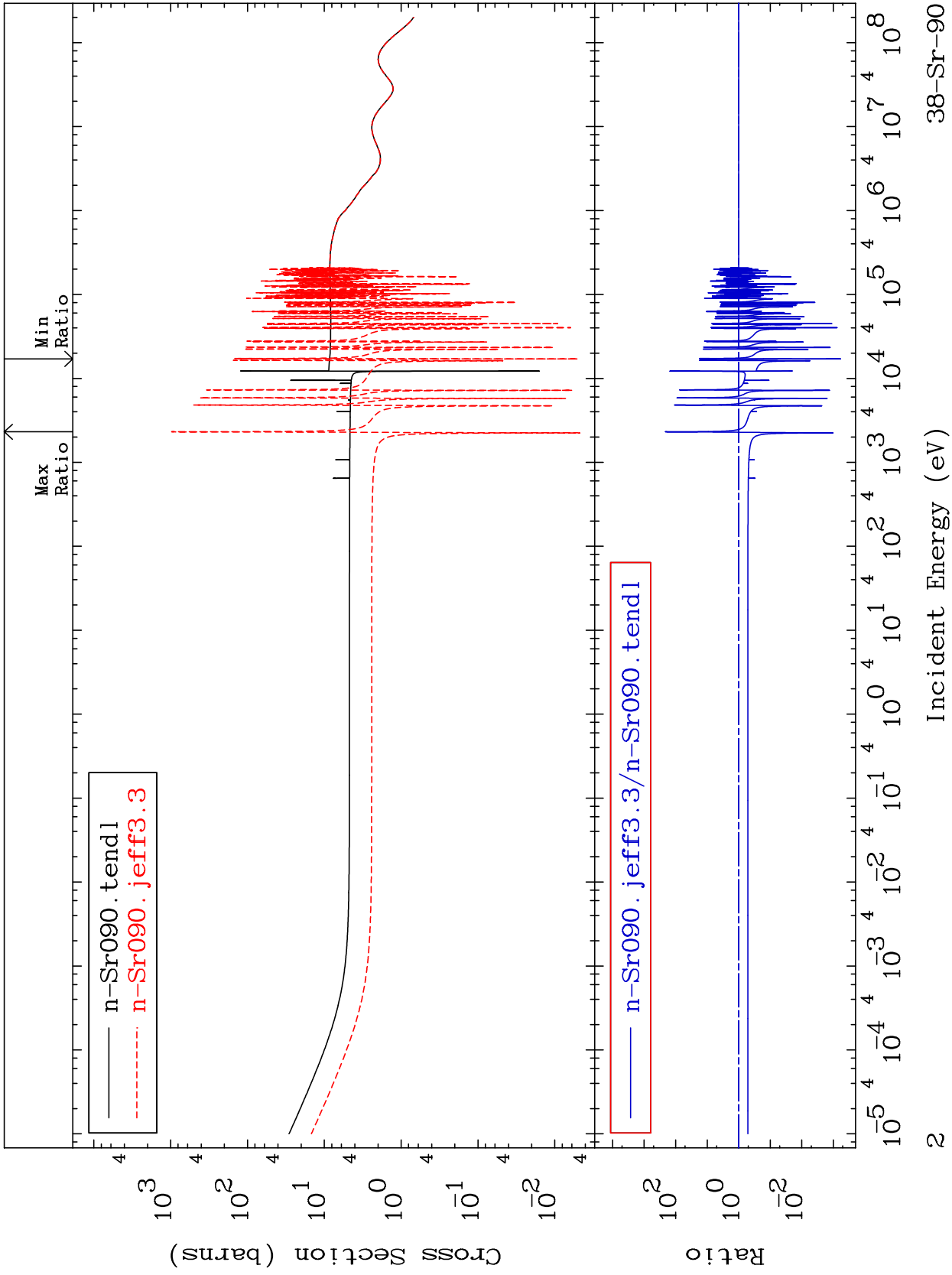
Incident Energy (eV)

38-Sr-90

MAT 3843

Elastic  
Cross Section

38-Sr-90  
-99.94 To 9999. %



38-Sr-90

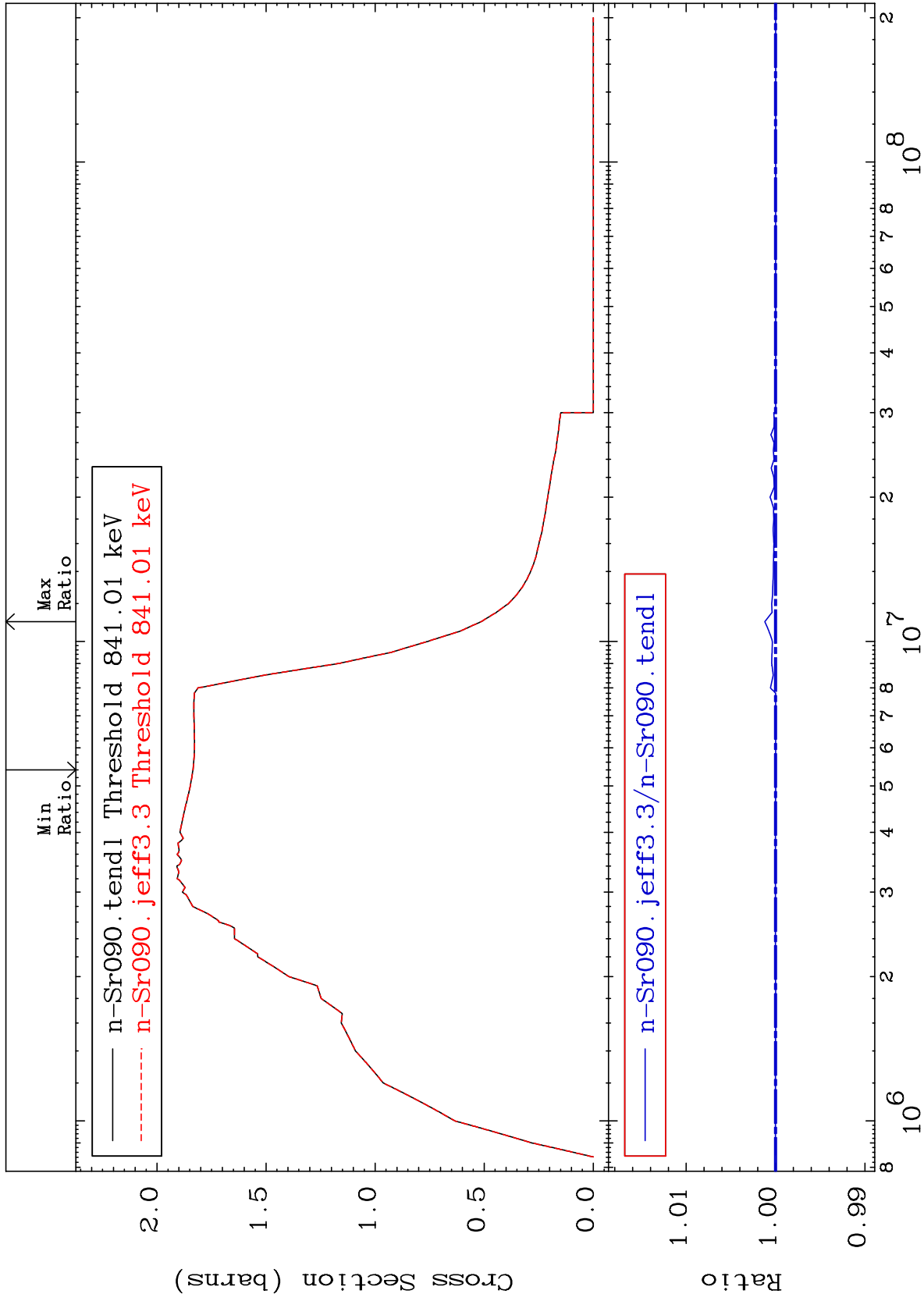
Incident Energy (eV)

2

MAT 3843

38-Sr-90

Inelastic Cross Section To 0.121 %



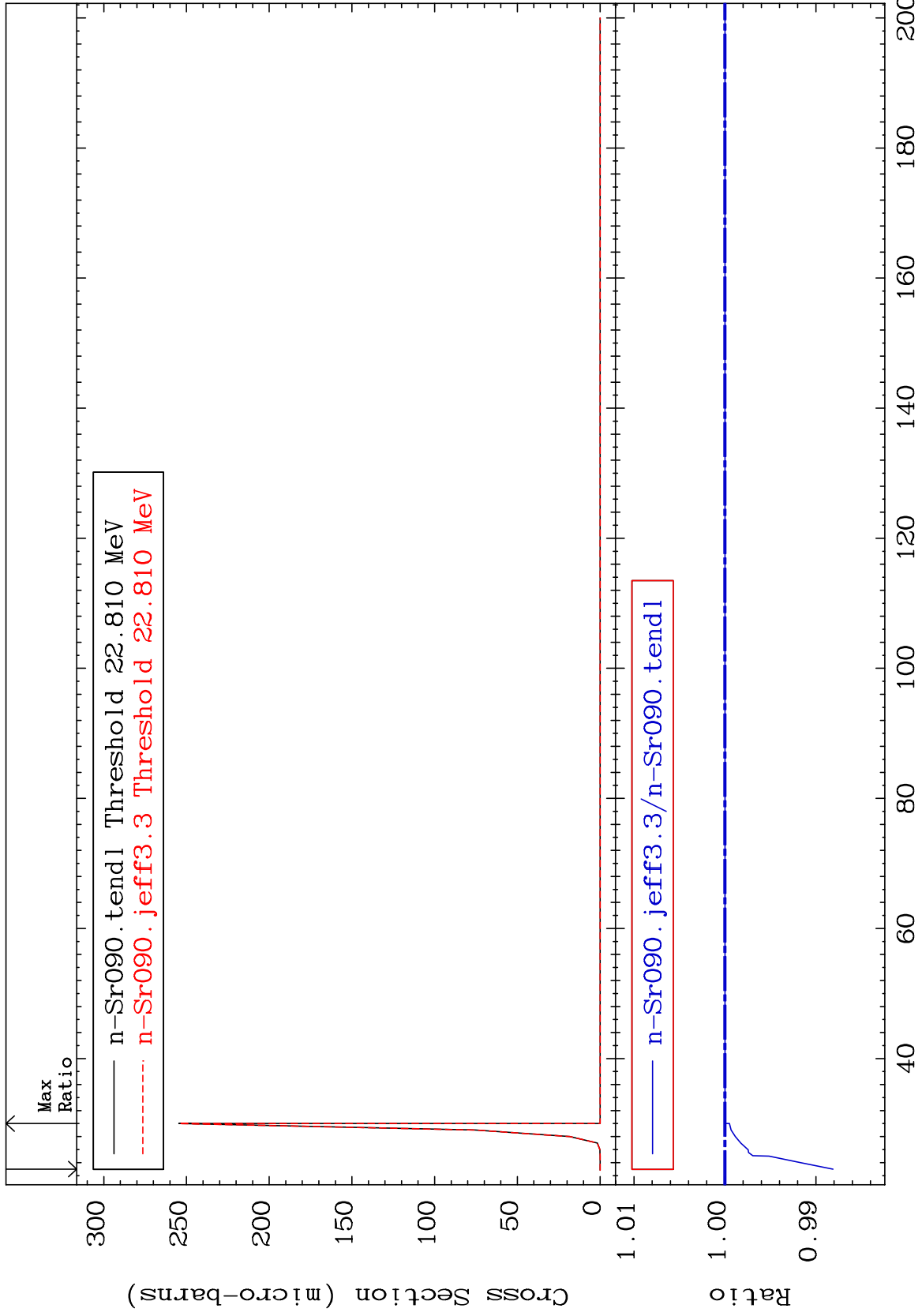
Incident Energy (eV)

38-Sr-90

MAT 3843

(n,2n) d  
Cross Section

38-Sr-90  
-1.189 To 0.000 %



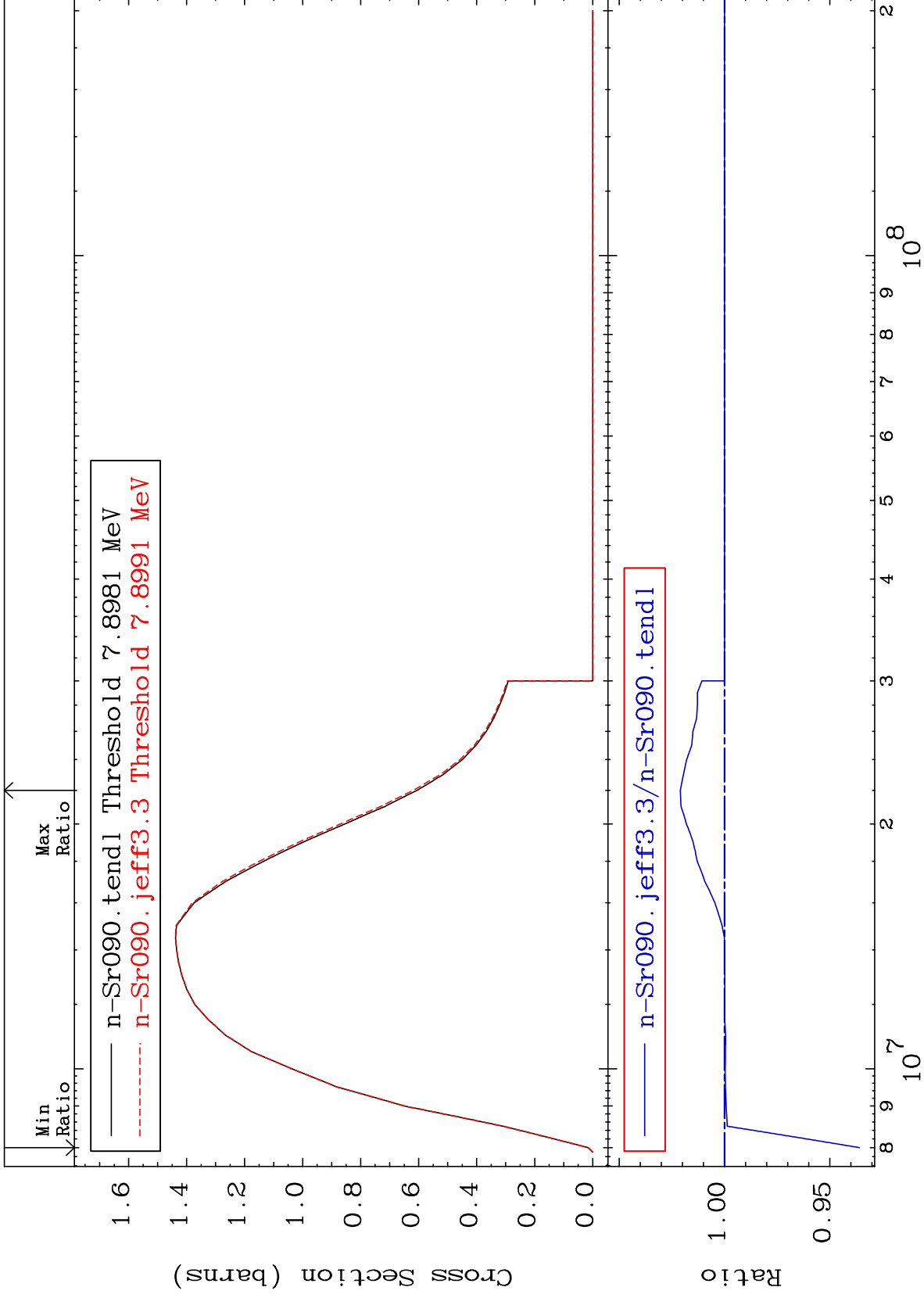
MAT 3843

(n,2n)

38-Sr-90

Cross Section

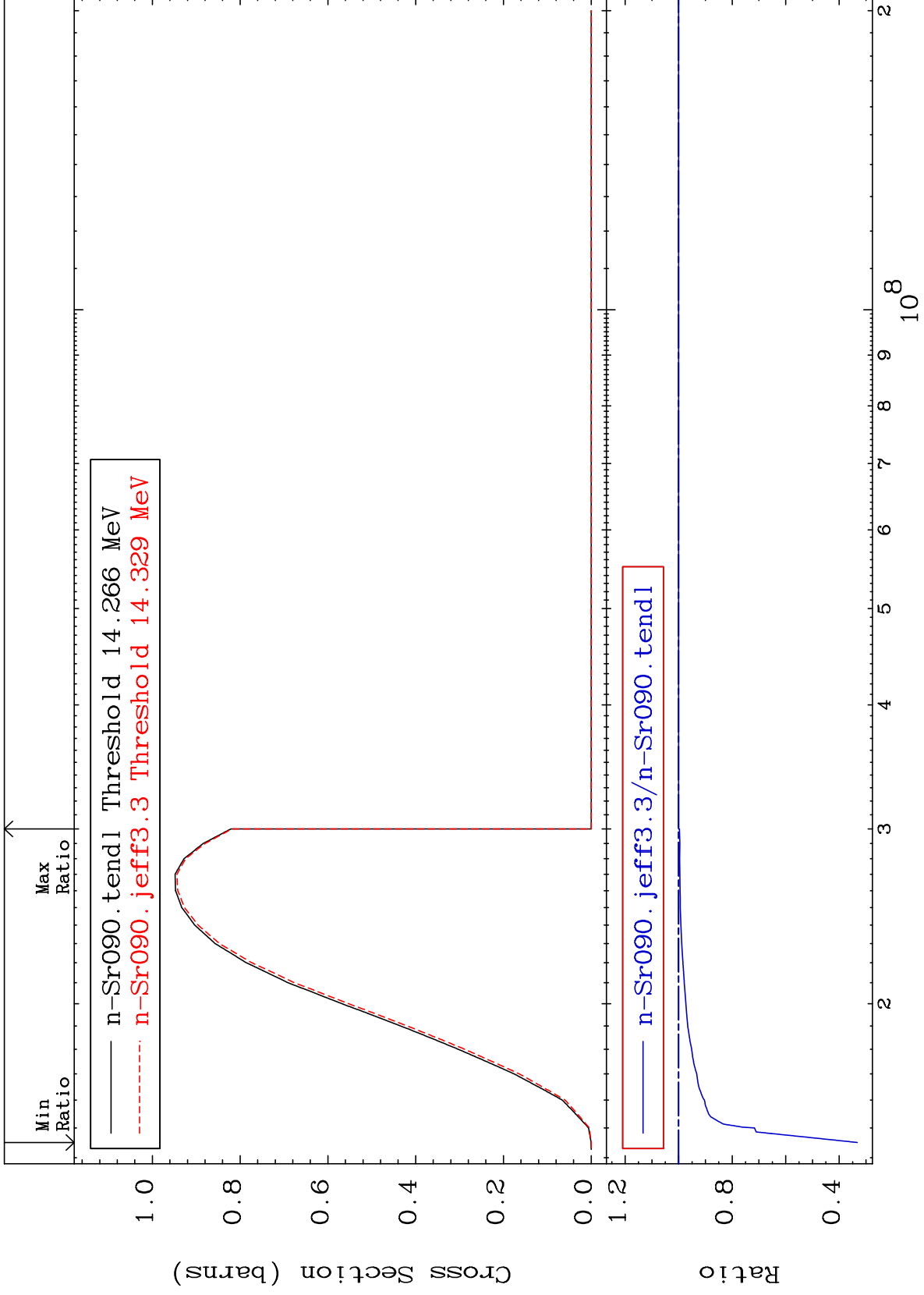
-6.403 To 2.097 %



MAT 3843

(n,3n)  
Cross Section

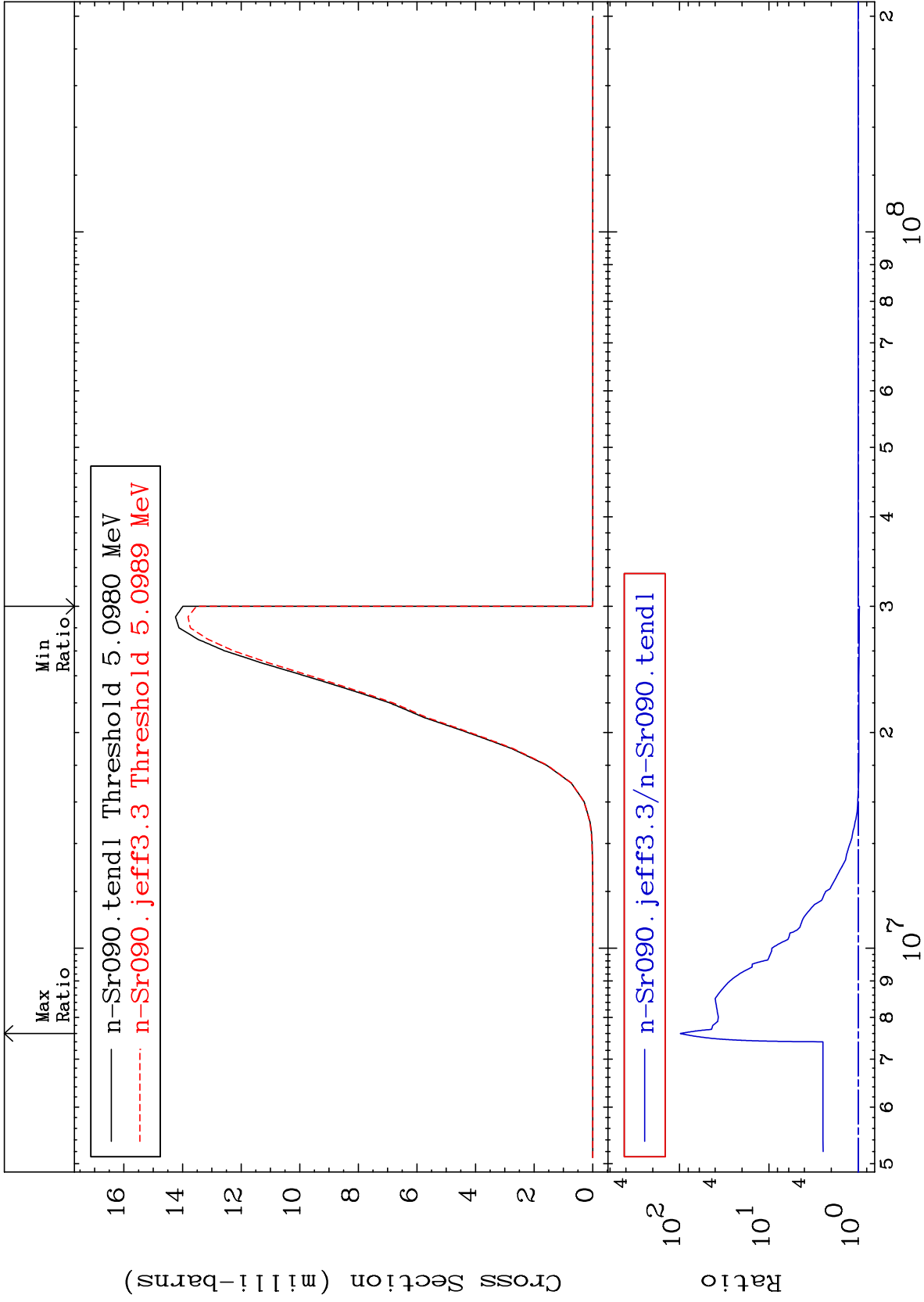
38-Sr-90  
-66.74 To 0.000 %



MAT 3843

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

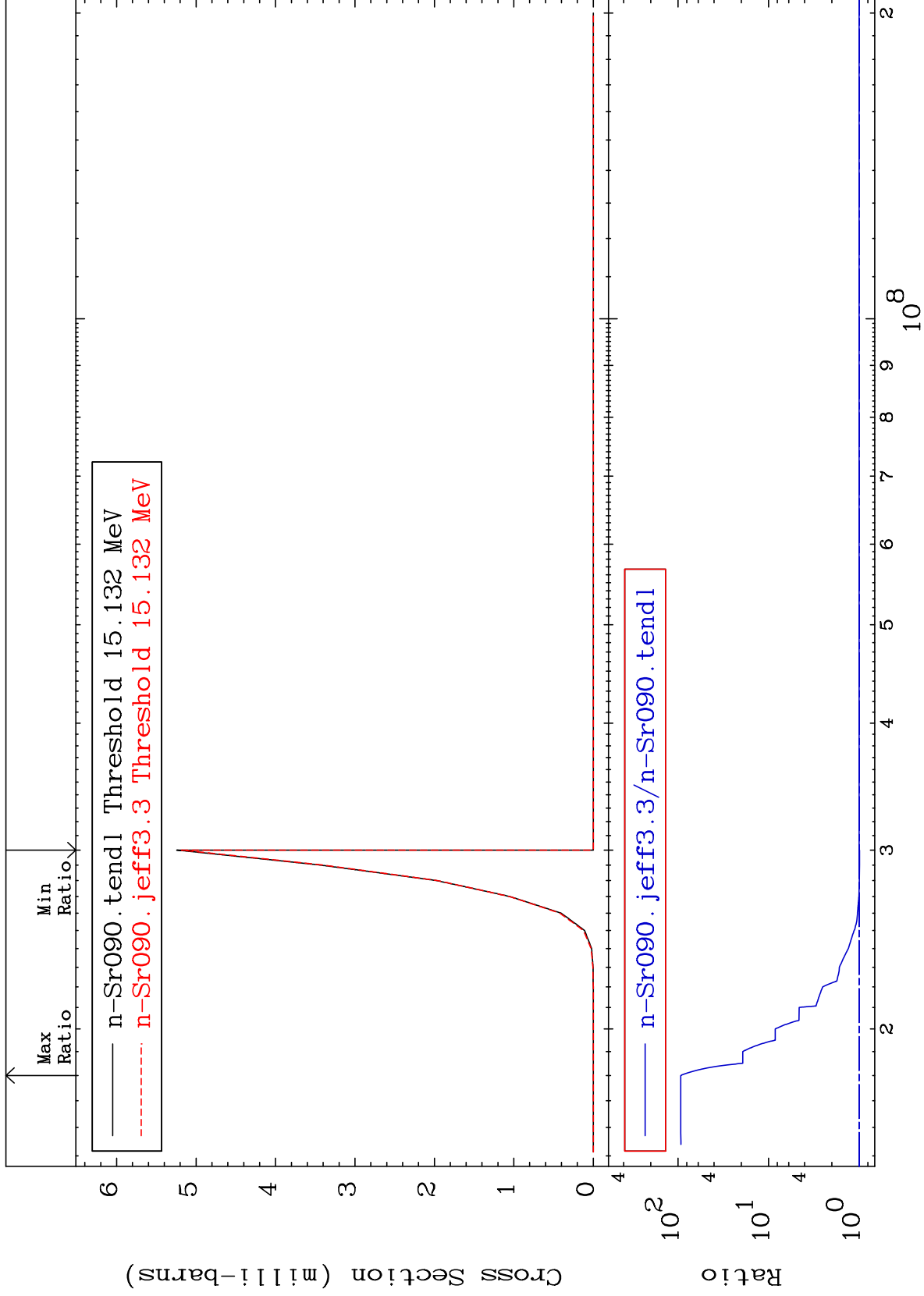
<sup>38</sup>Sr-<sup>90</sup>  
-3.317 To 9700. %



MAT 3843

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

38-Sr-90  
-1.166 To 9240. %

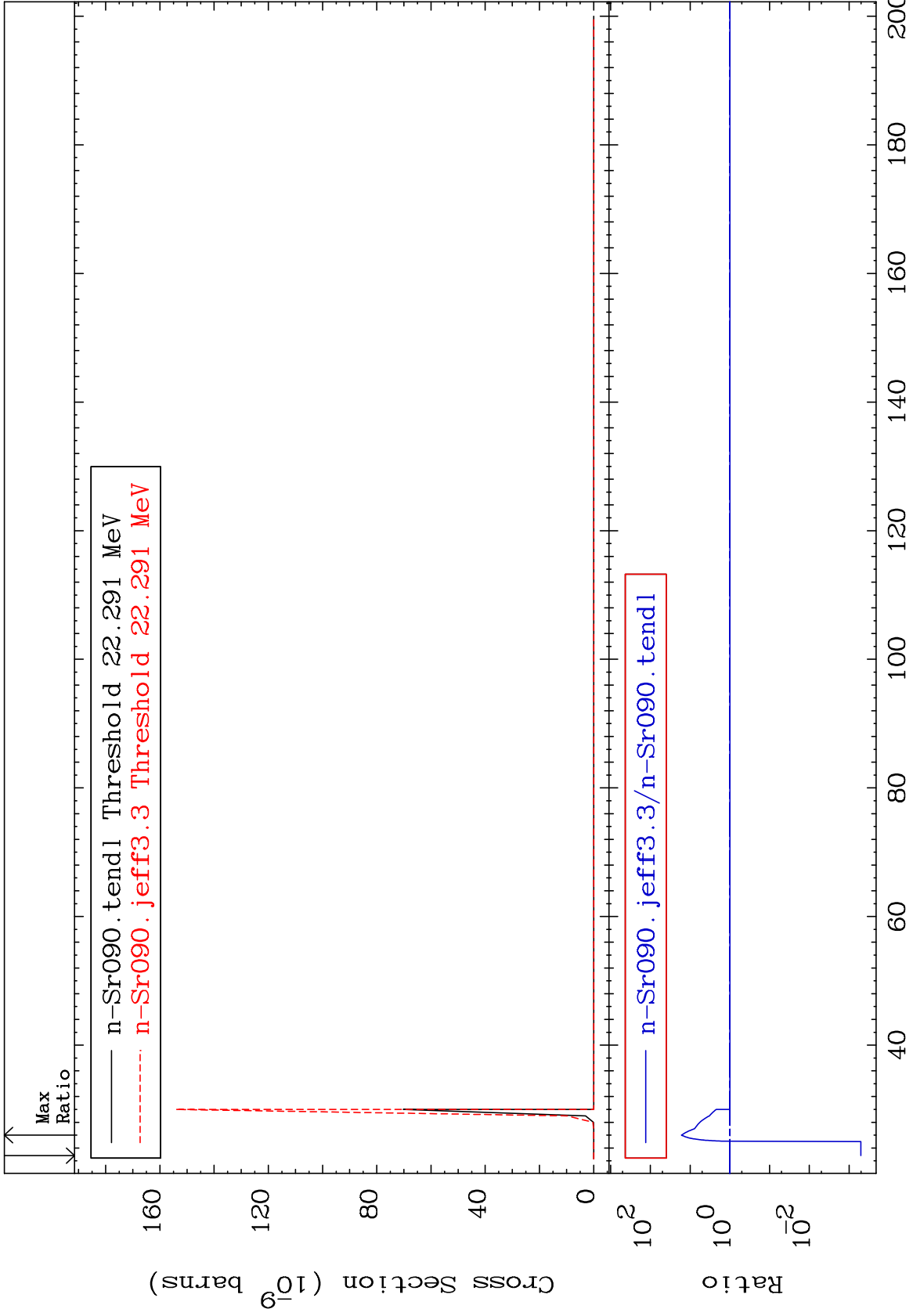




MAT 3843

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

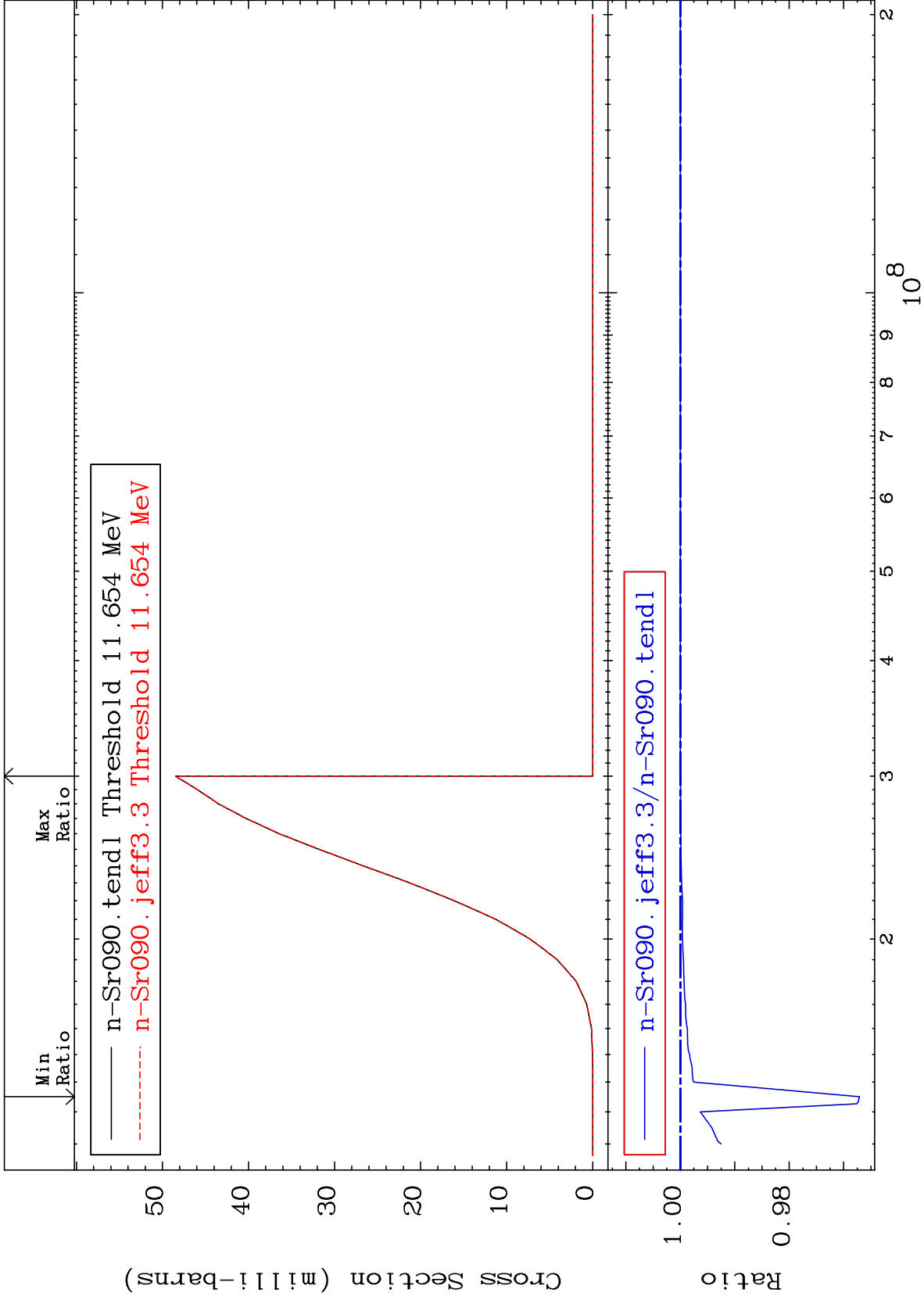
<sup>38</sup>Sr-90  
-99.95 To 1551. %



MAT 3843

(n,n') p  
Cross Section

38-Sr-90  
-3.289 To 0.000 %



10

Incident Energy (eV)

38-Sr-90

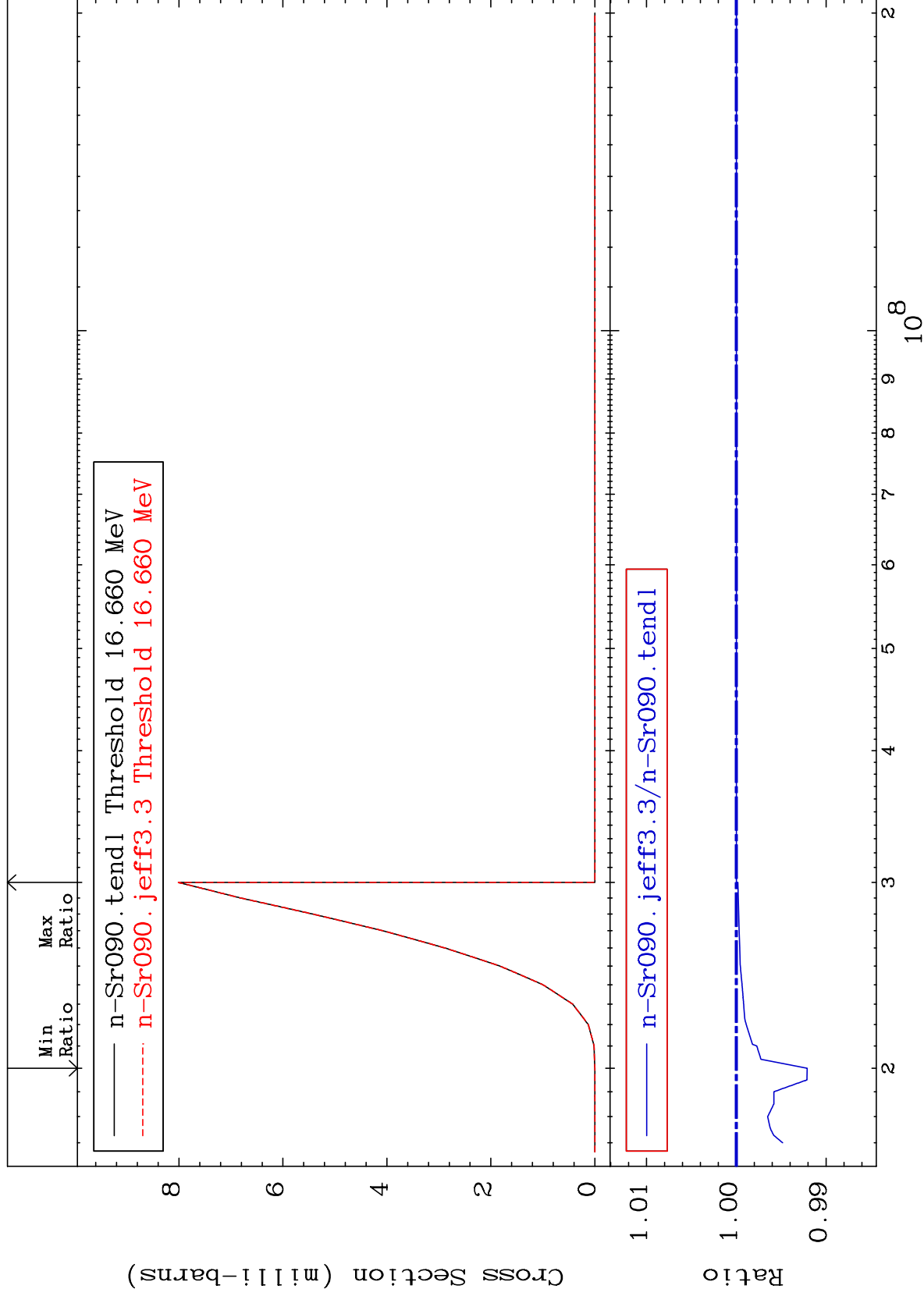
MAT 3843

(n,n') d

38-Sr-90

Cross Section

-0.789 To 0.000 %



11

Incident Energy (eV)

38-Sr-90

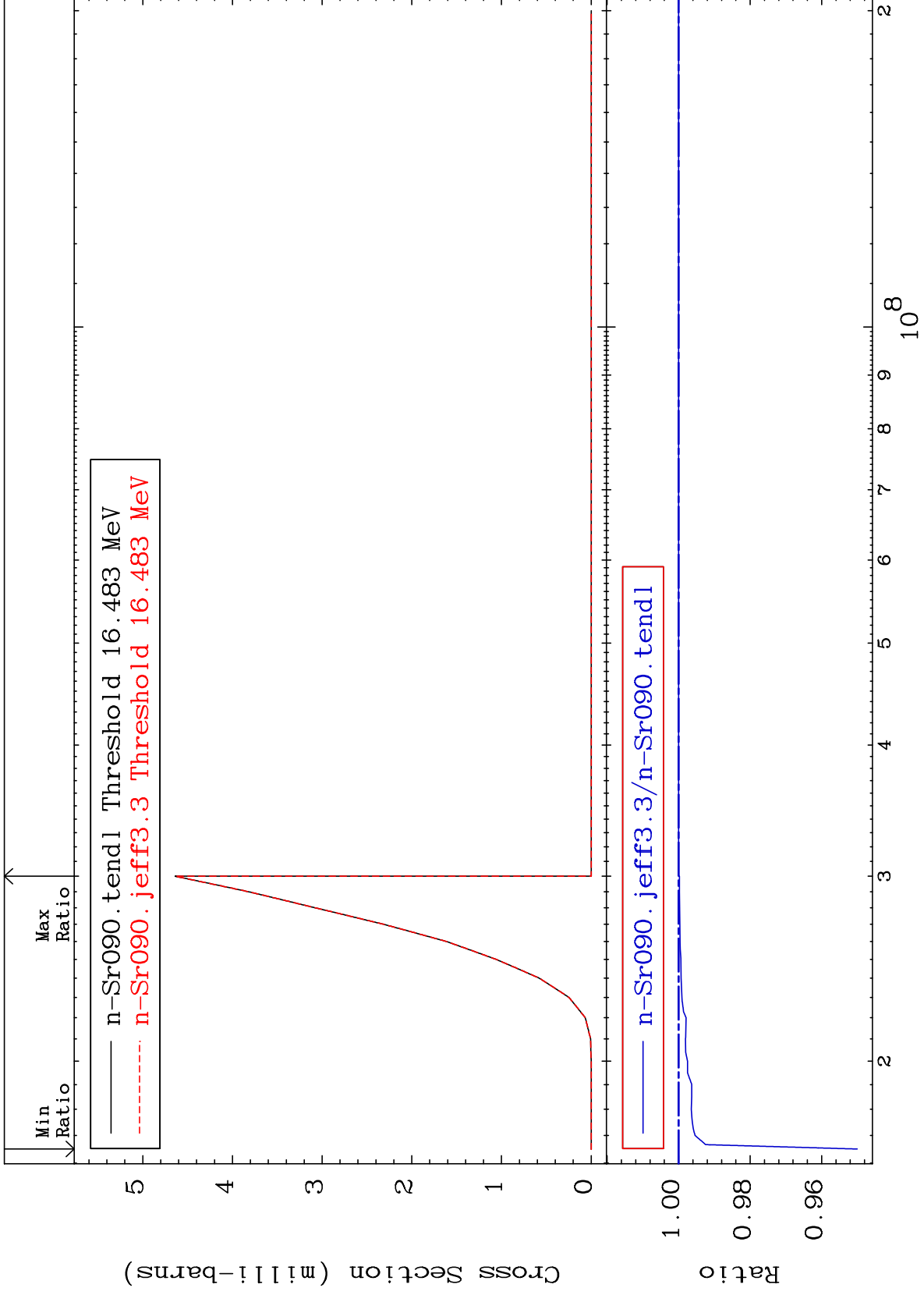
MAT 3843

(n,n') t

38-Sr-90

Cross Section

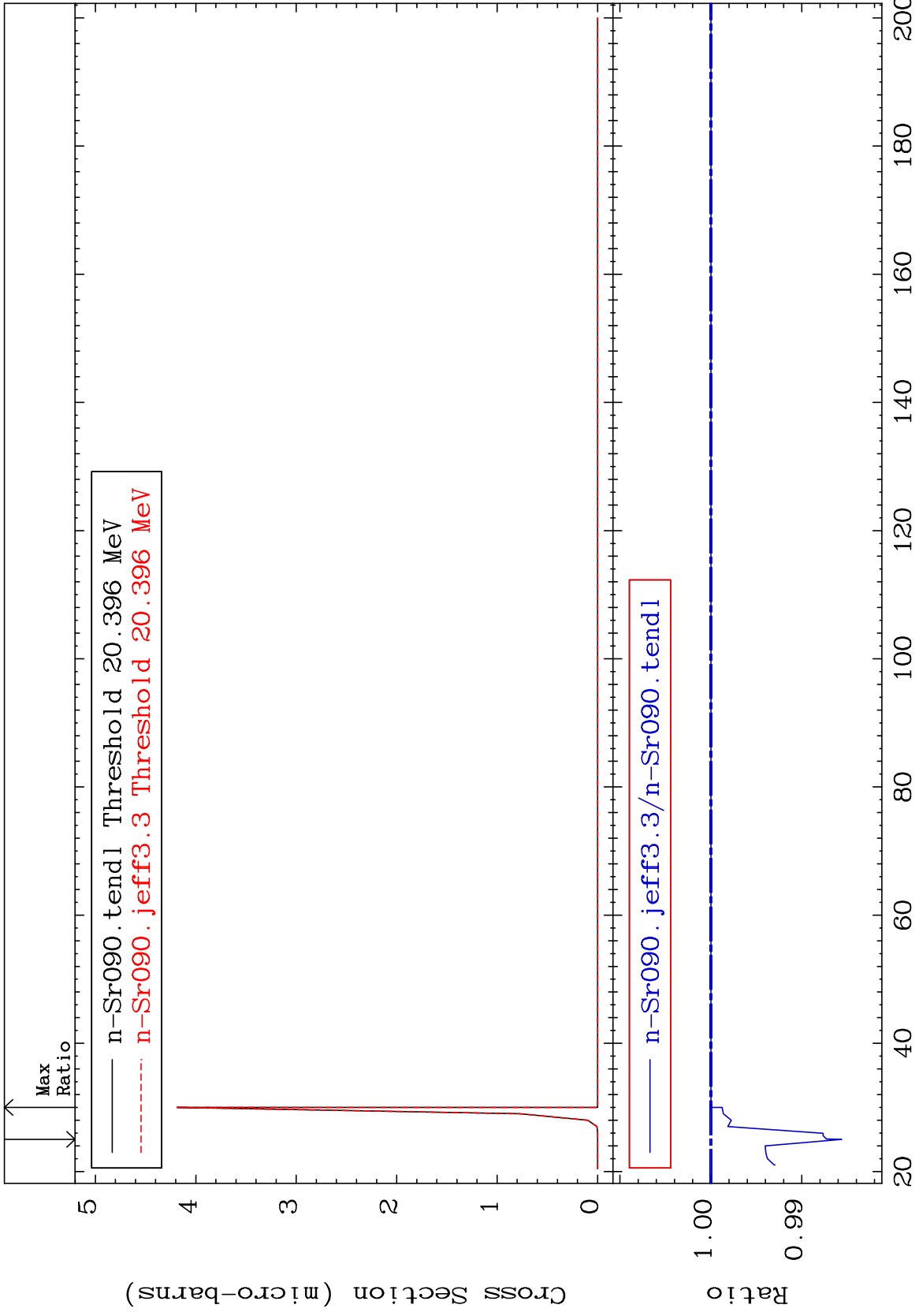
-4.995 To 0.000 %



MAT 3843

(n, n') He-3  
Cross Section

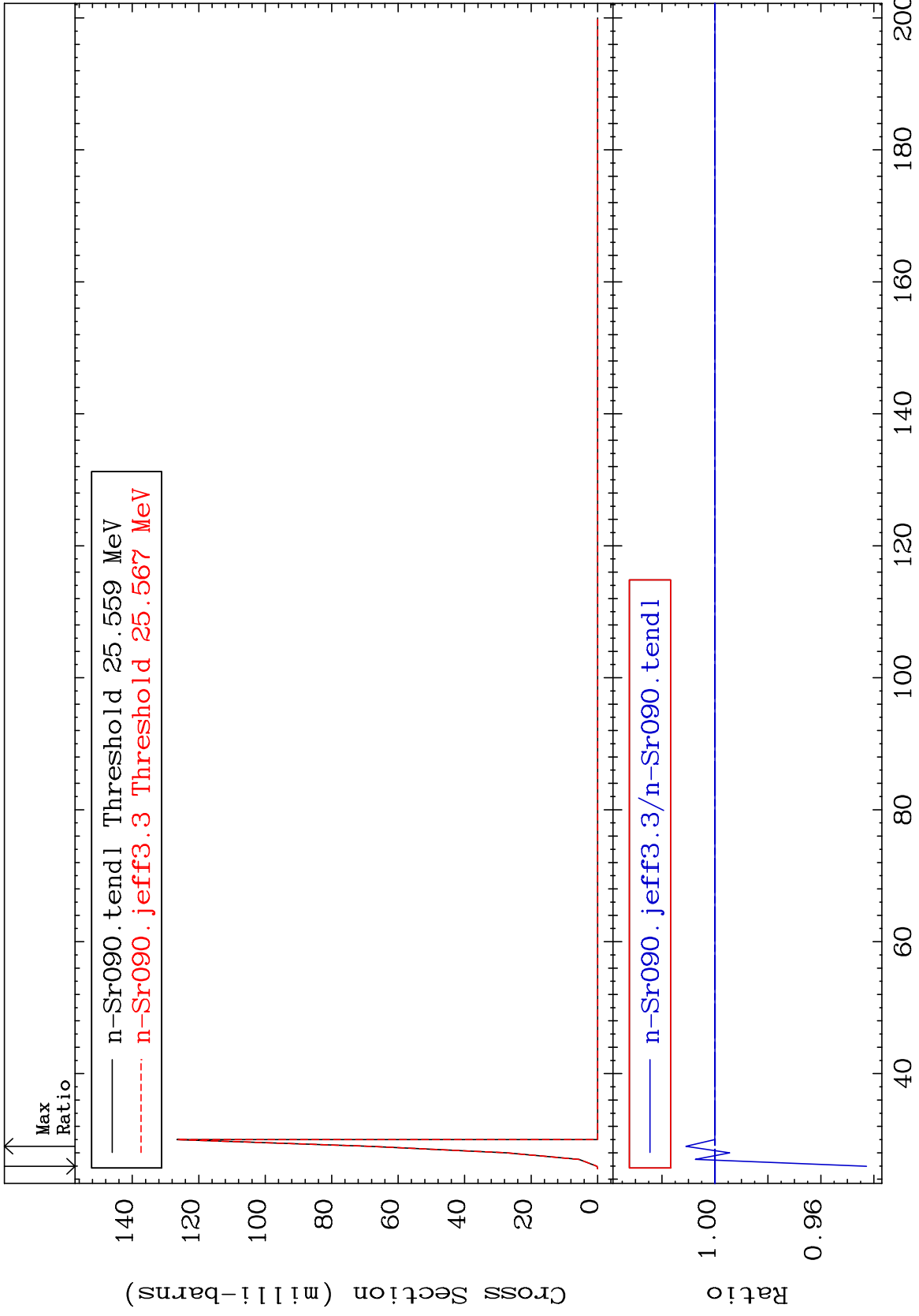
38-Sr-90  
-1.438 To 0.000 %



MAT 3843

(n,4n)  
Cross Section

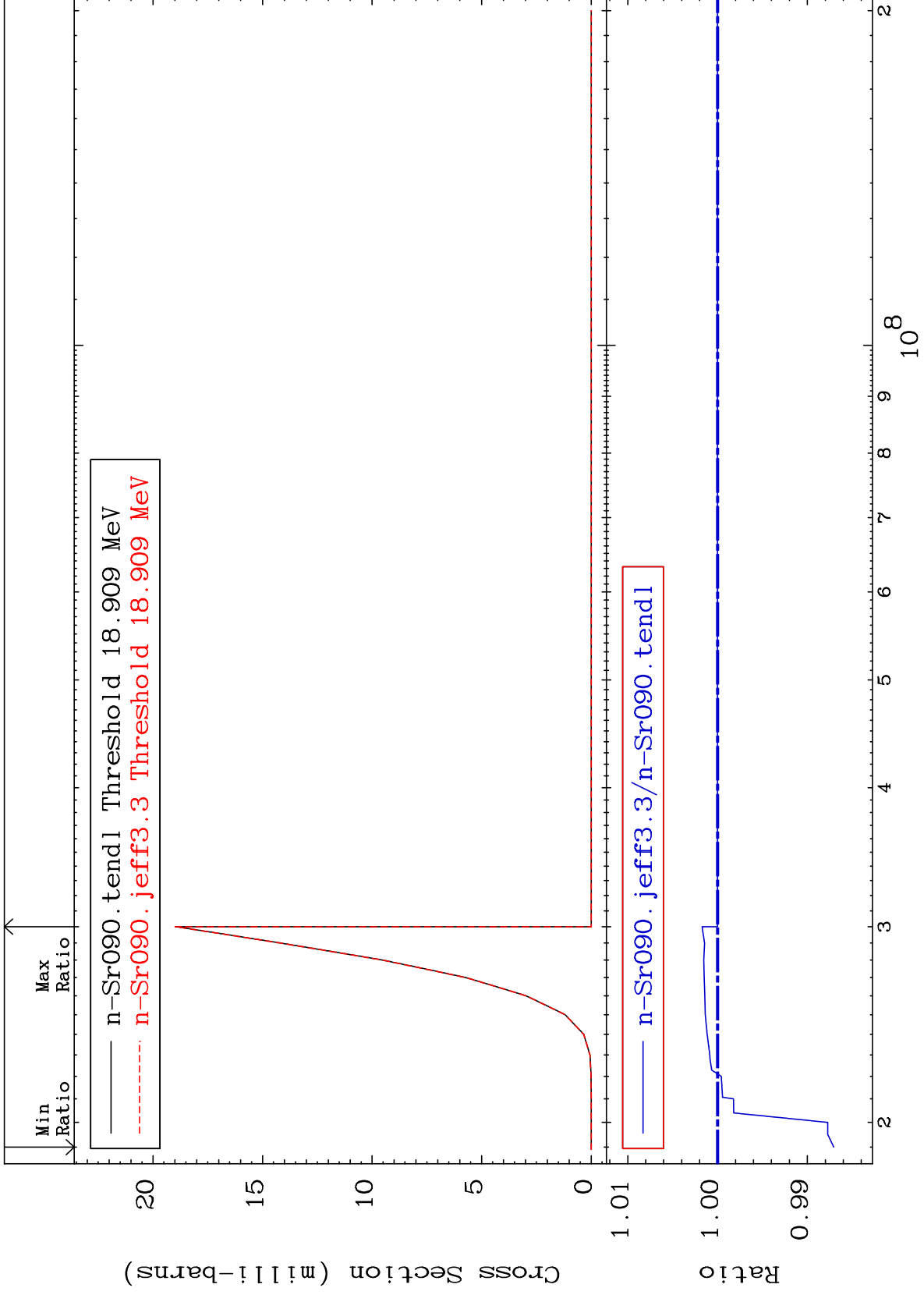
38-Sr-90  
-5.721 To 1.092 %



MAT 3843

(n,2n) p  
Cross Section

38-Sr-90  
-1.294 To 0.172 %



15

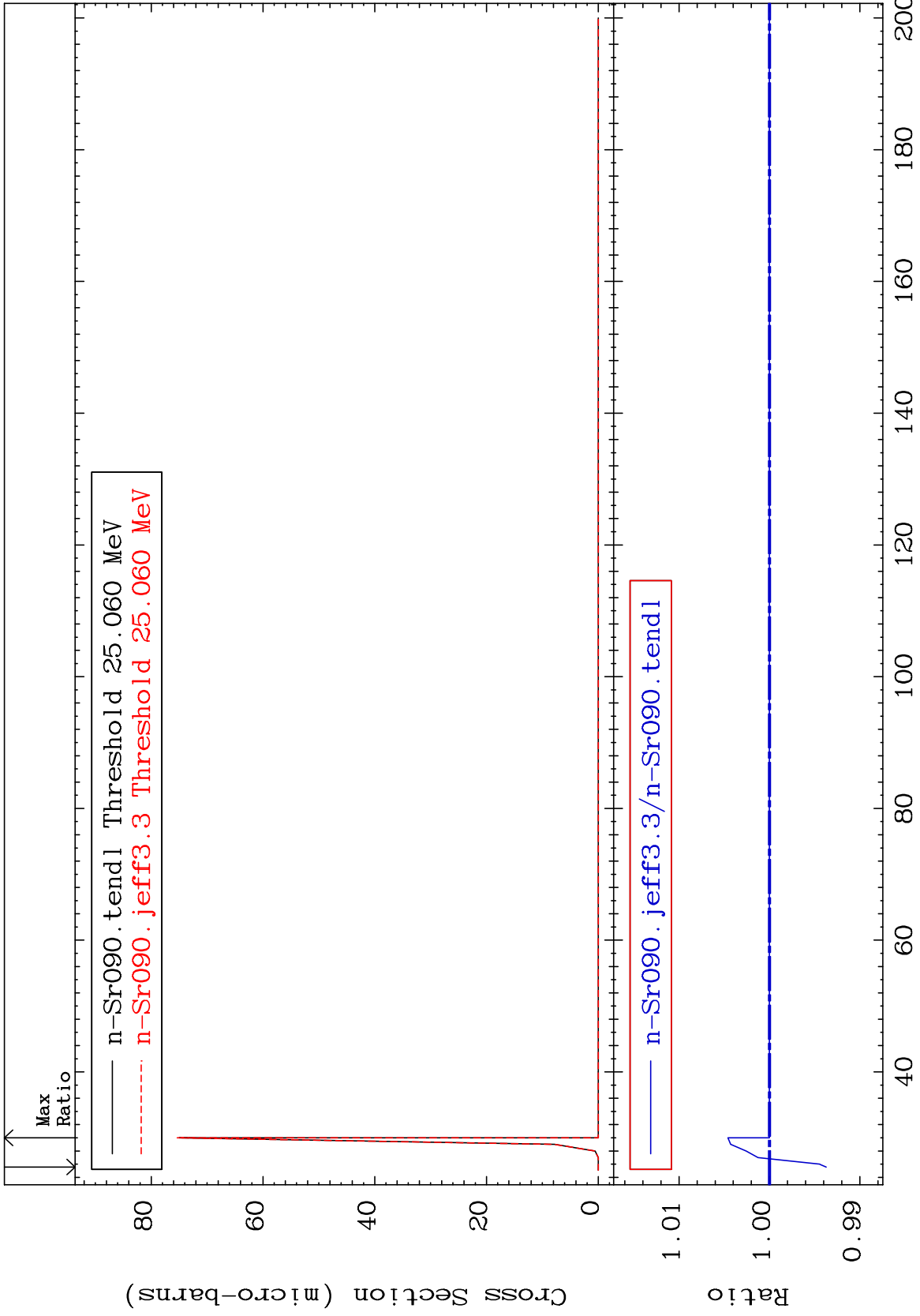
Incident Energy (eV)

38-Sr-90

MAT 3843

(n,3n) p  
Cross Section

<sup>38</sup>Sr-90  
-0.628 To 0.460 %



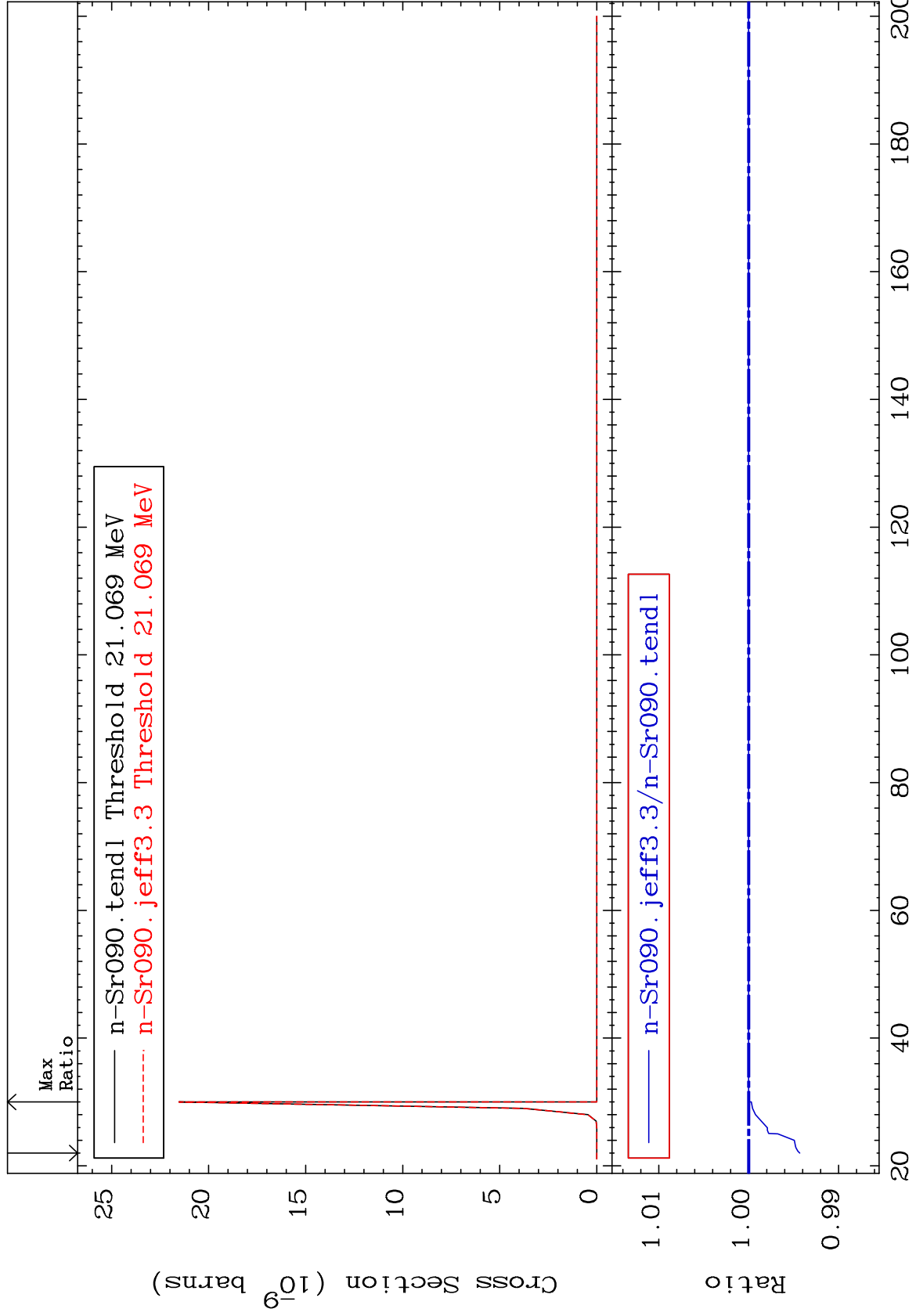


MAT 3843

(n,2n) p  
Cross Section

<sup>38</sup>Sr-90

-0.567 To 0.000 %



17

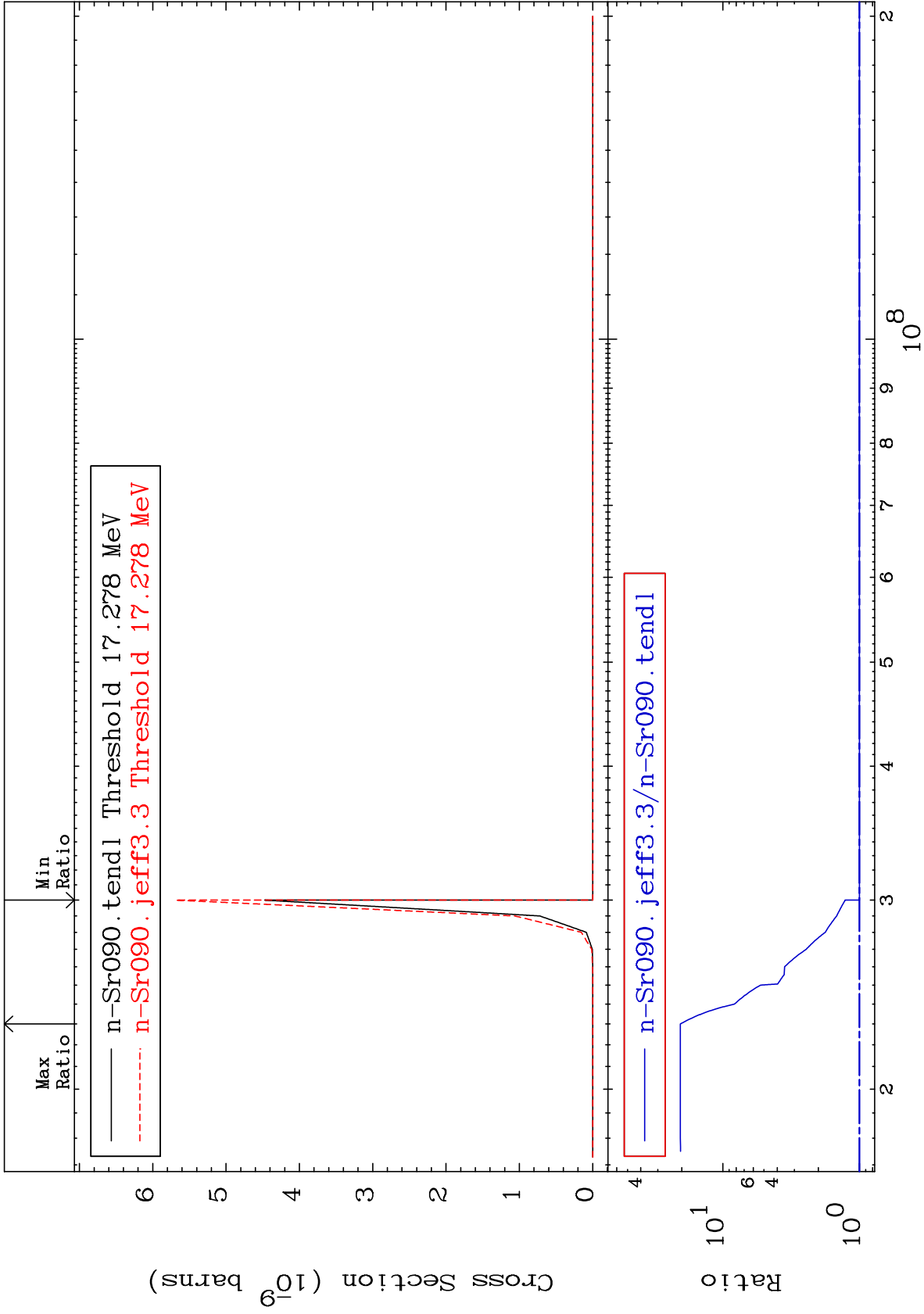
Incident Energy (MeV)

<sup>38</sup>Sr-90

MAT 3843

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

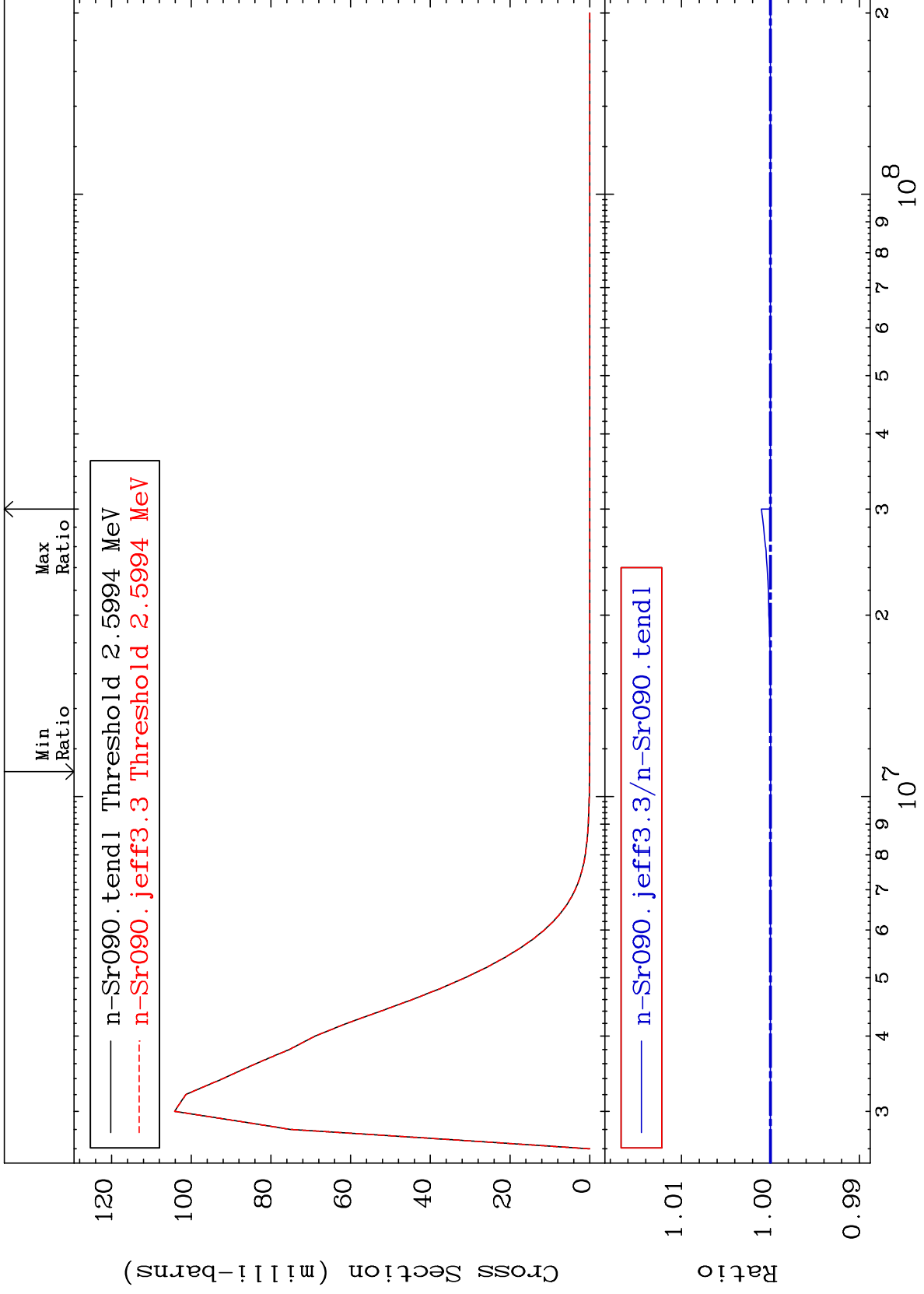
38-Sr-90  
To 1950. %  
0.000



MAT 3843

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

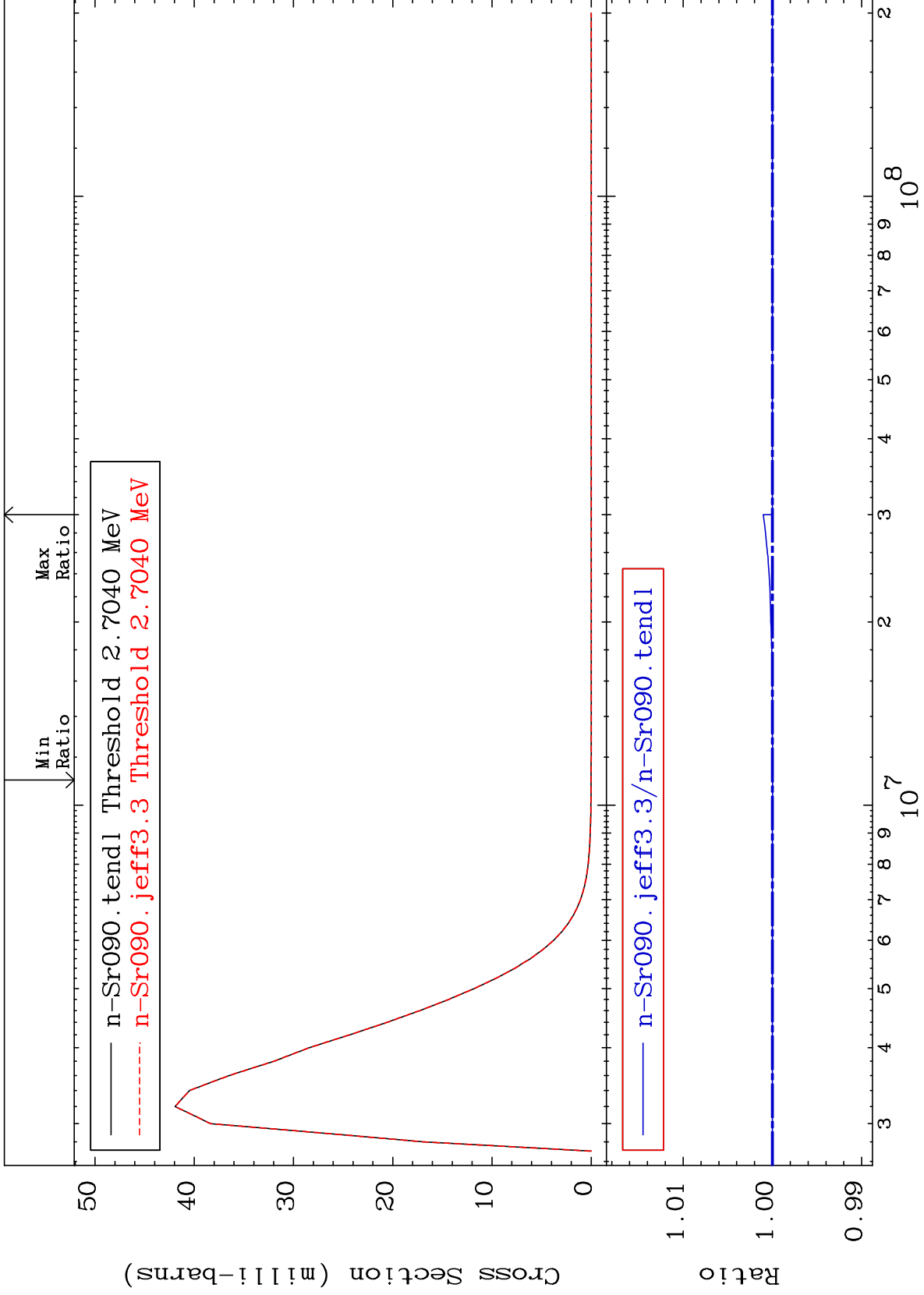
38-Sr-90  
-0.002 To 0.102 %



MAT 3843

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

38-Sr-90  
-0.002 To 0.102 %



20

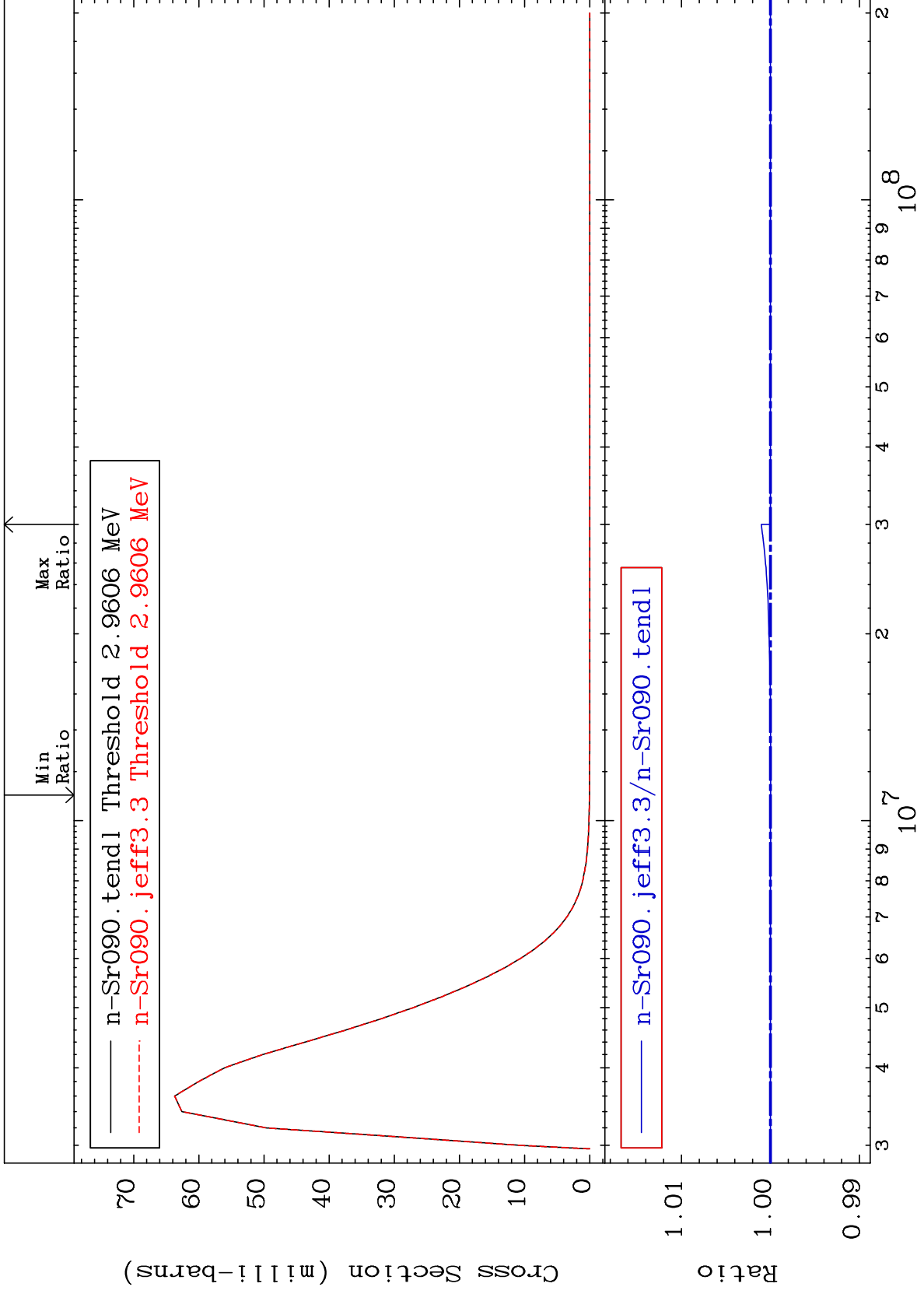
Incident Energy (eV)

38-Sr-90

MAT 3843

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

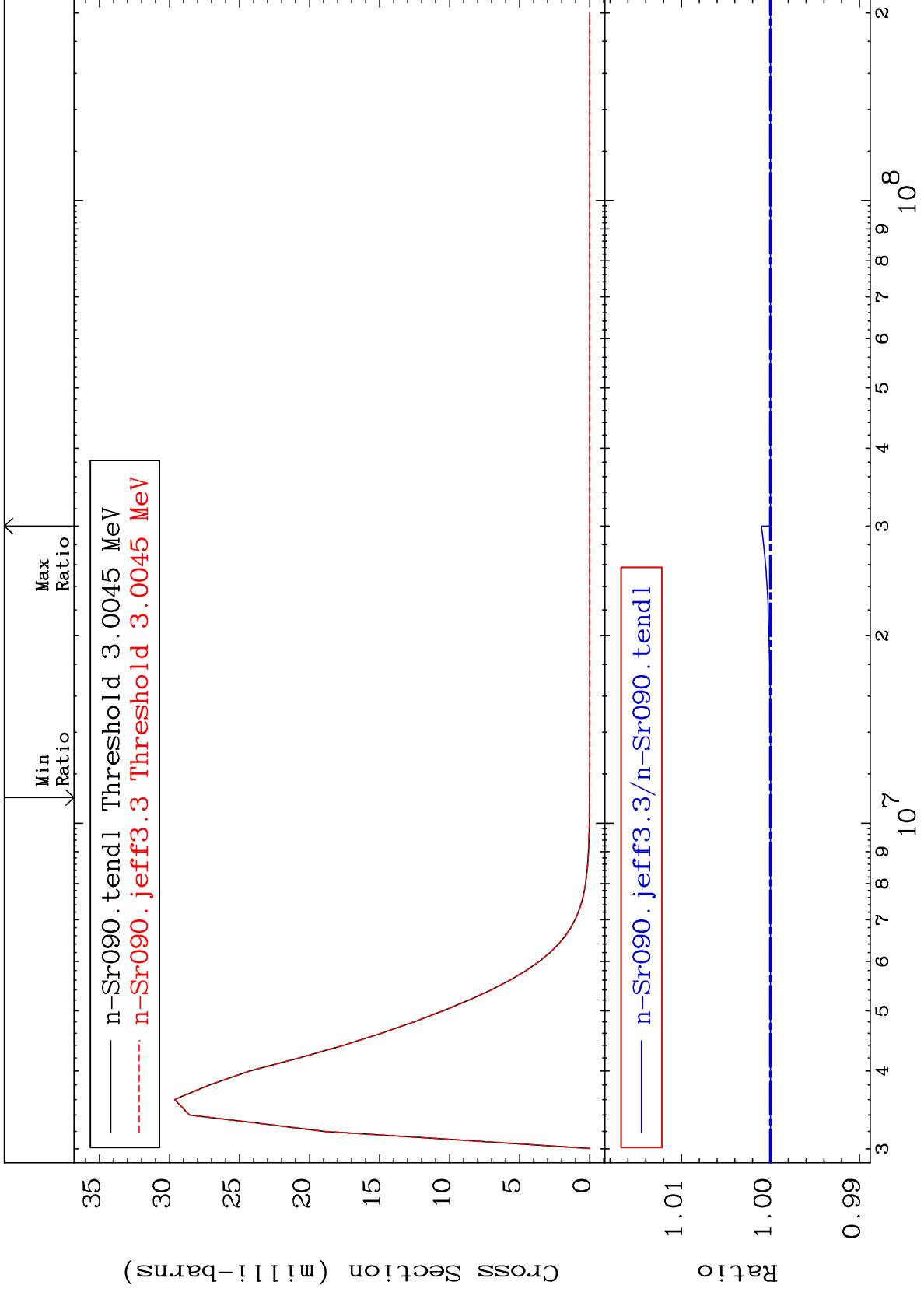
38-Sr-90  
-0.002 To 0.102 %



MAT 3843

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

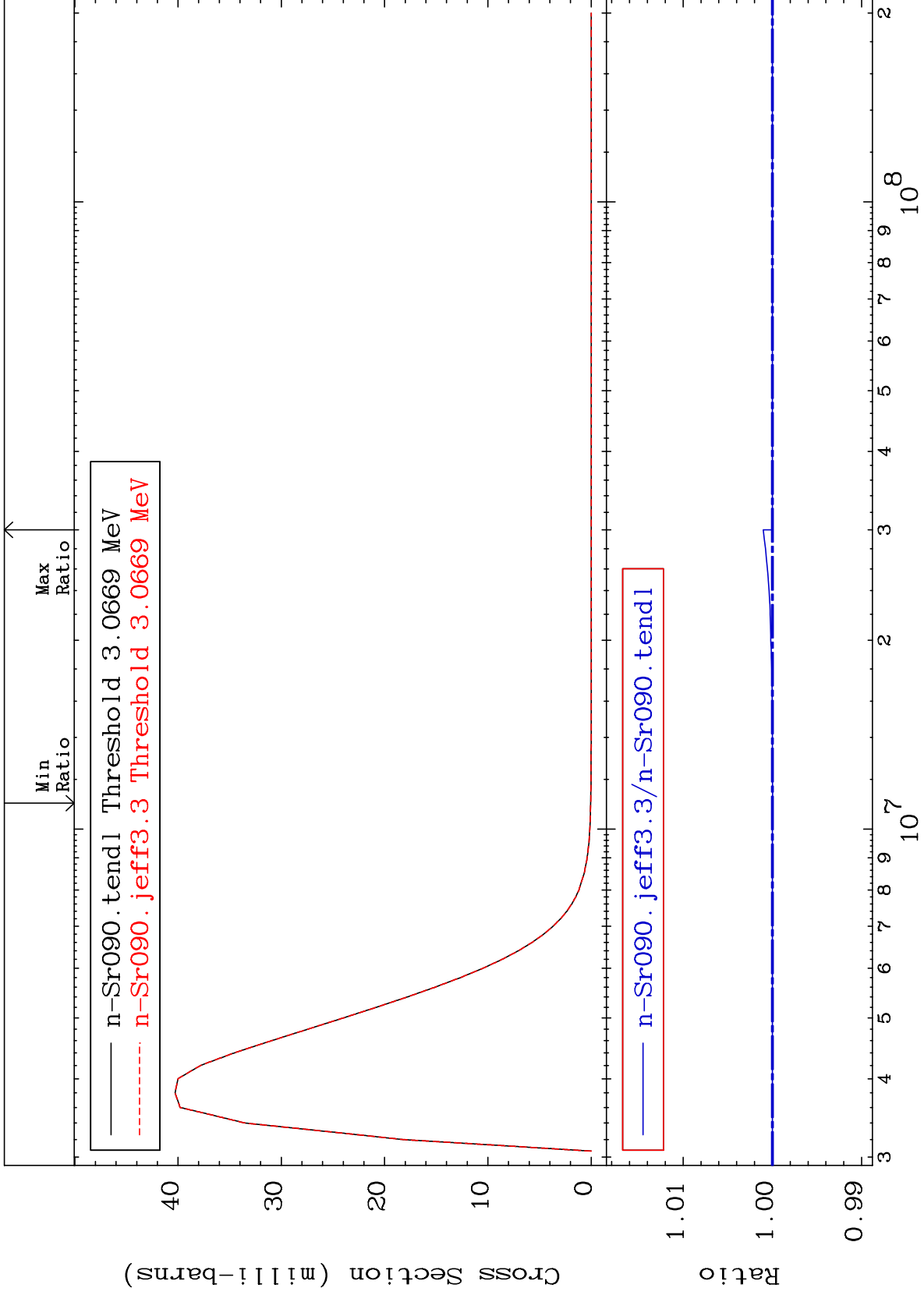
38-Sr-90  
-0.002 To 0.102 %



MAT 3843

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

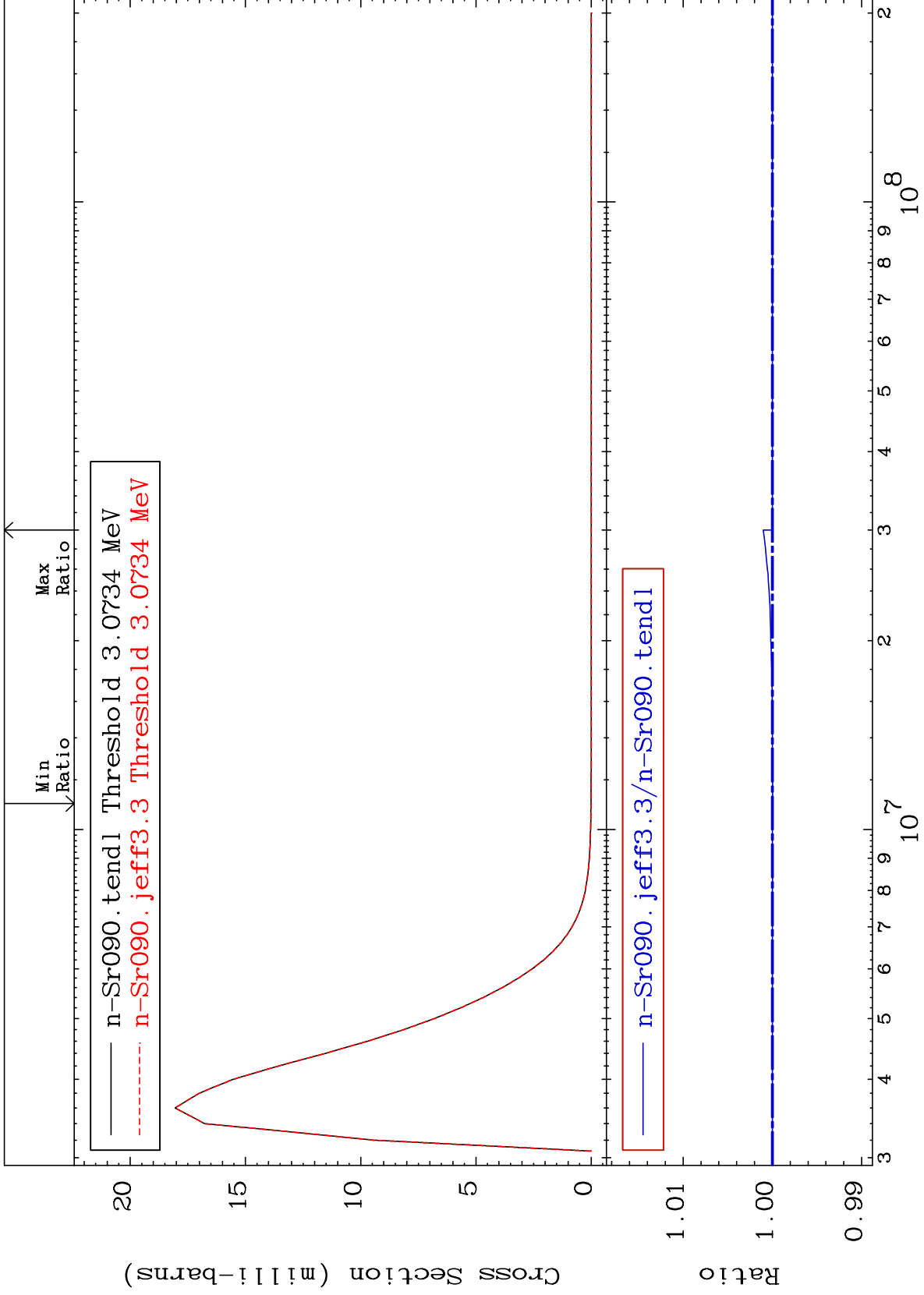
38-Sr-90  
-0.002 To 0.101 %



MAT 3843

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

38-Sr-90  
-0.002 To 0.101 %

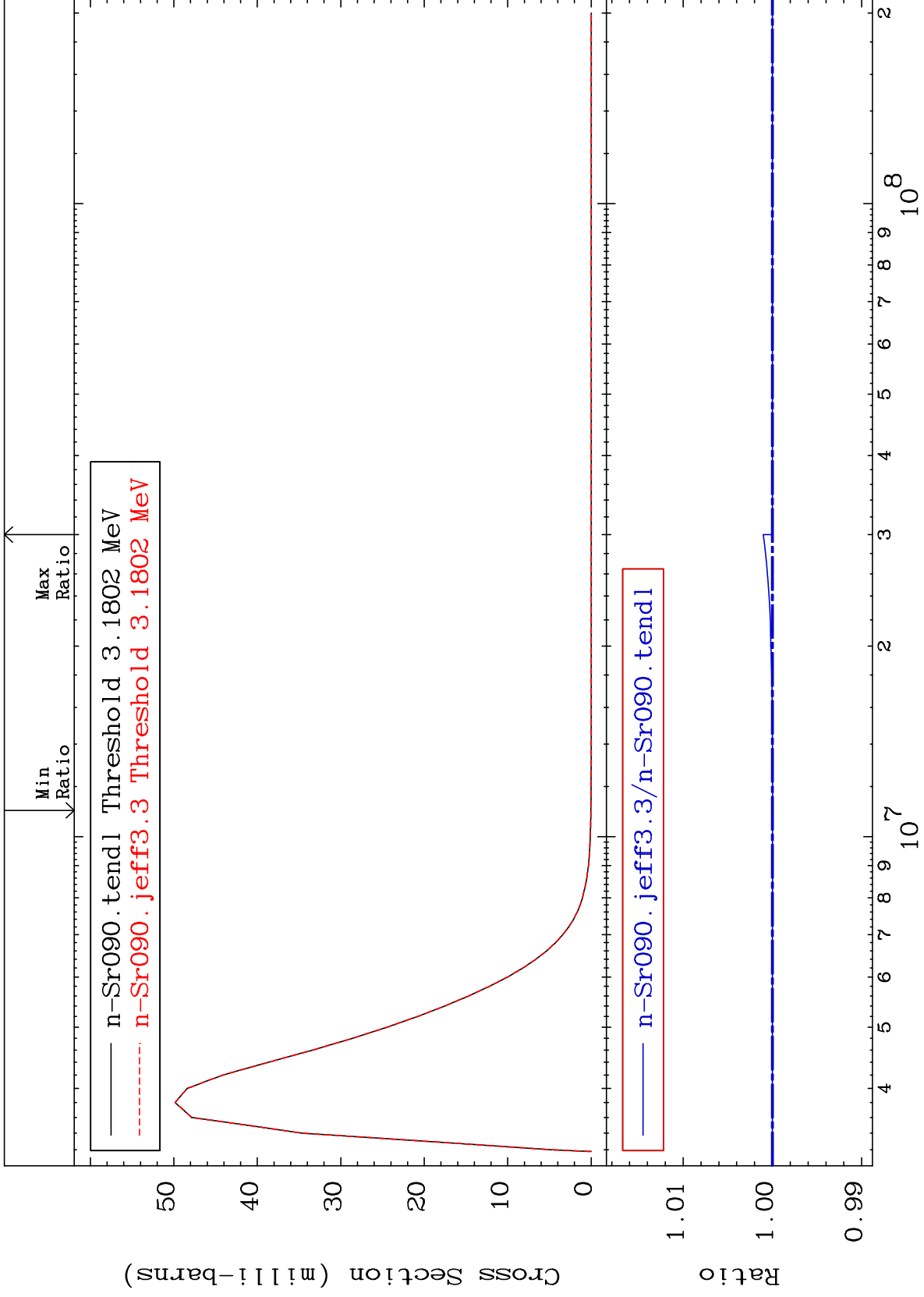




MAT 3843

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

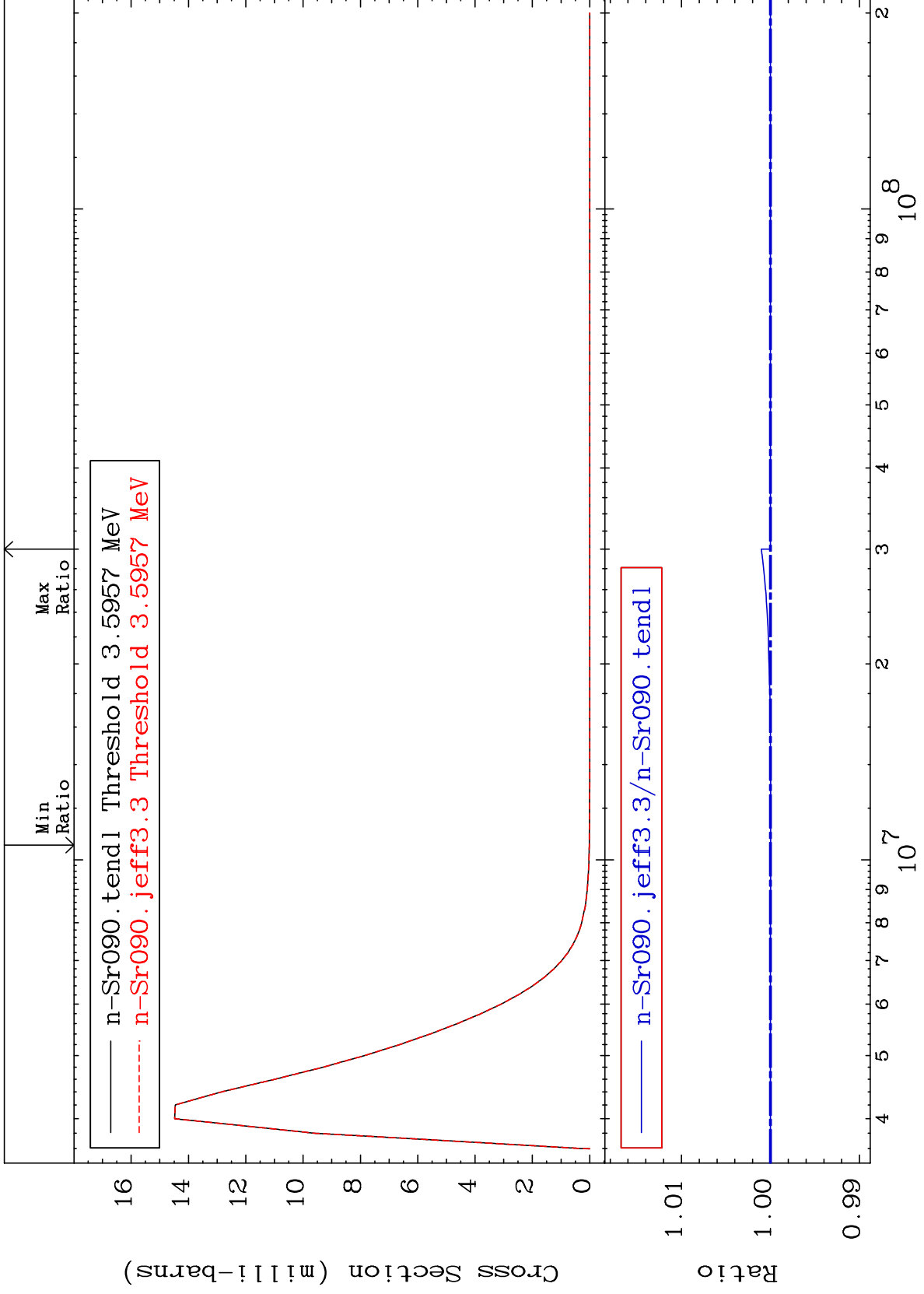
38-Sr-90  
-0.002 To 0.102 %



MAT 3843

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

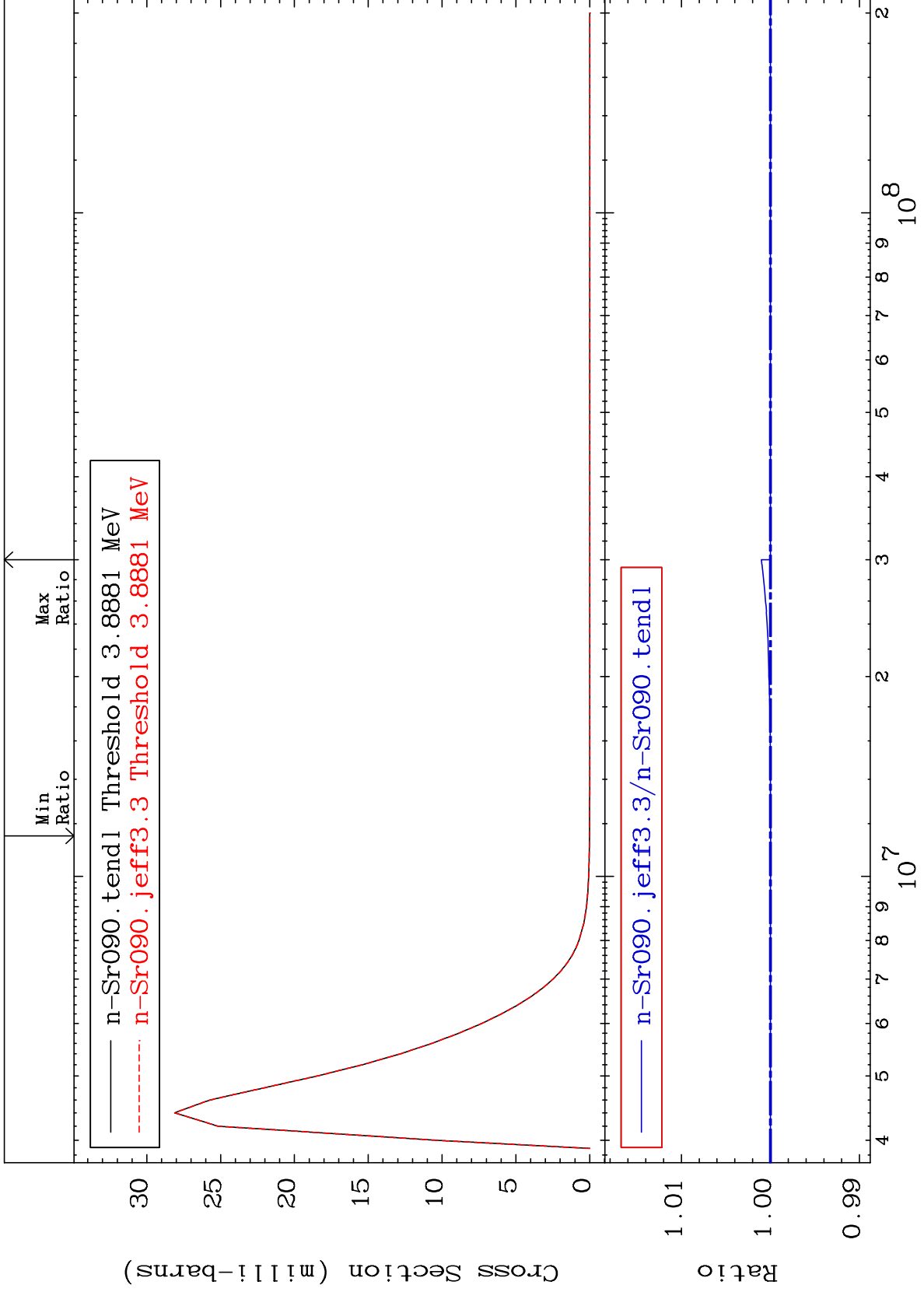
38-Sr-90  
-0.002 To 0.102 %

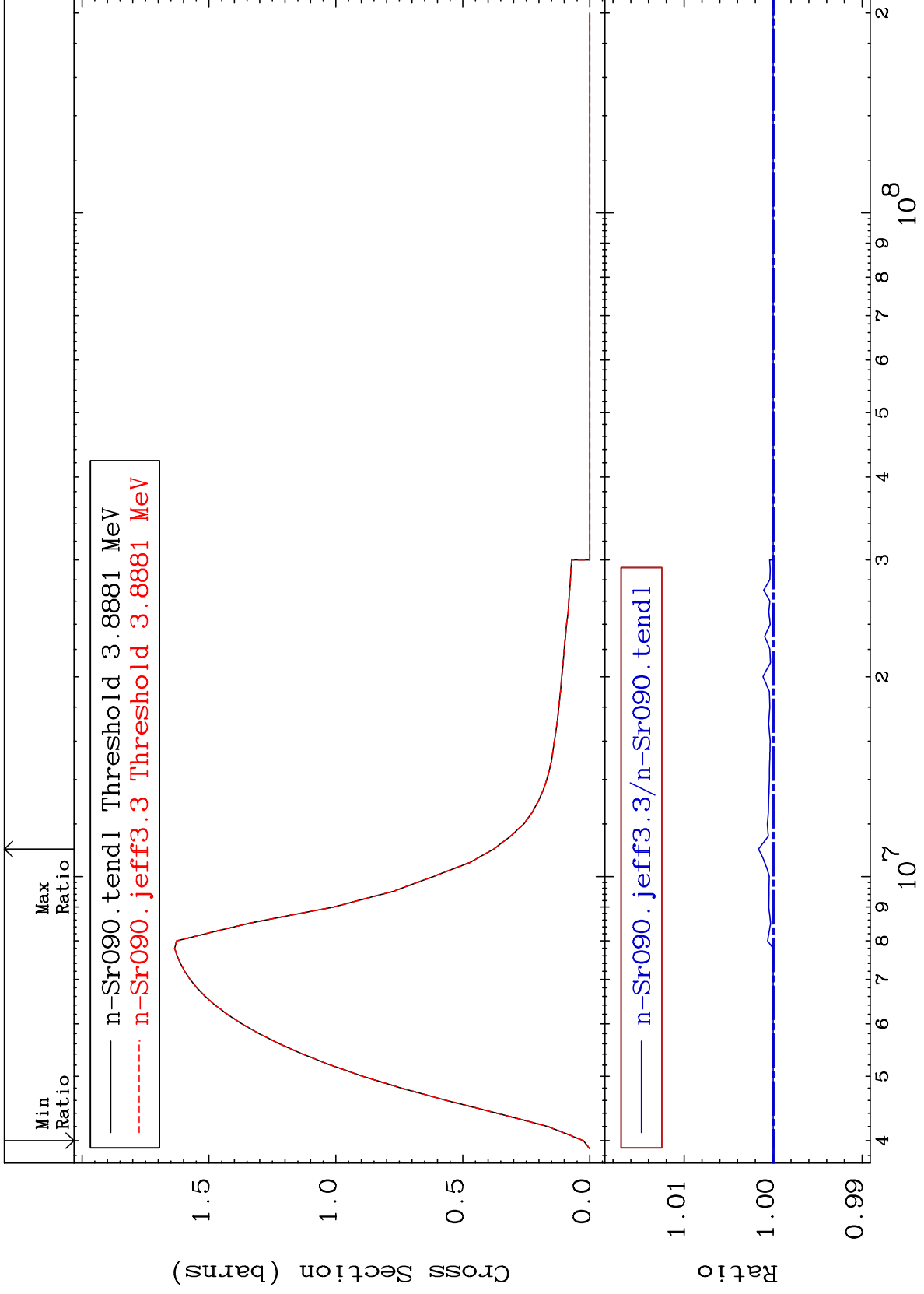


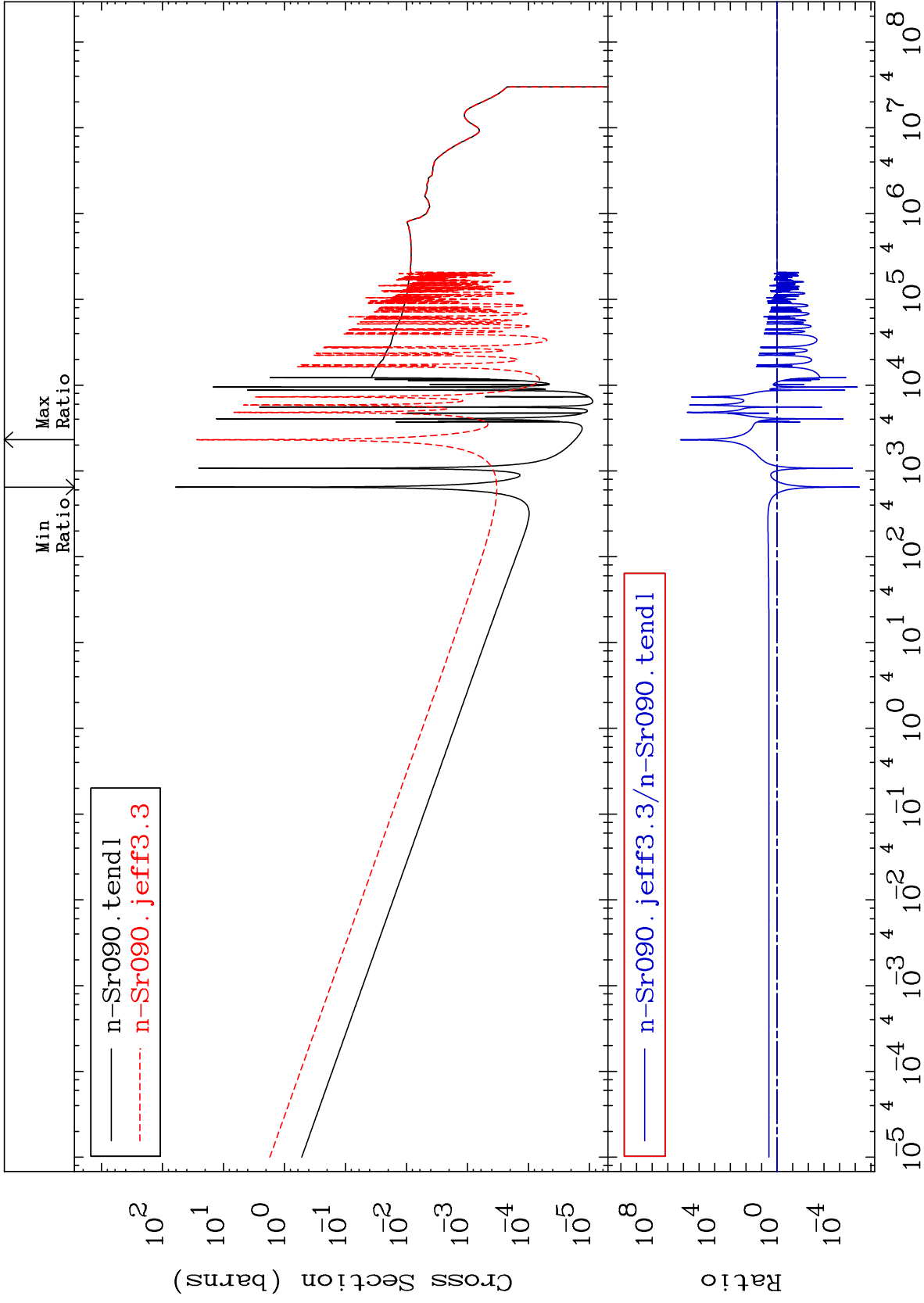
MAT 3843

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

38-Sr-90  
-0.002 To 0.102 %



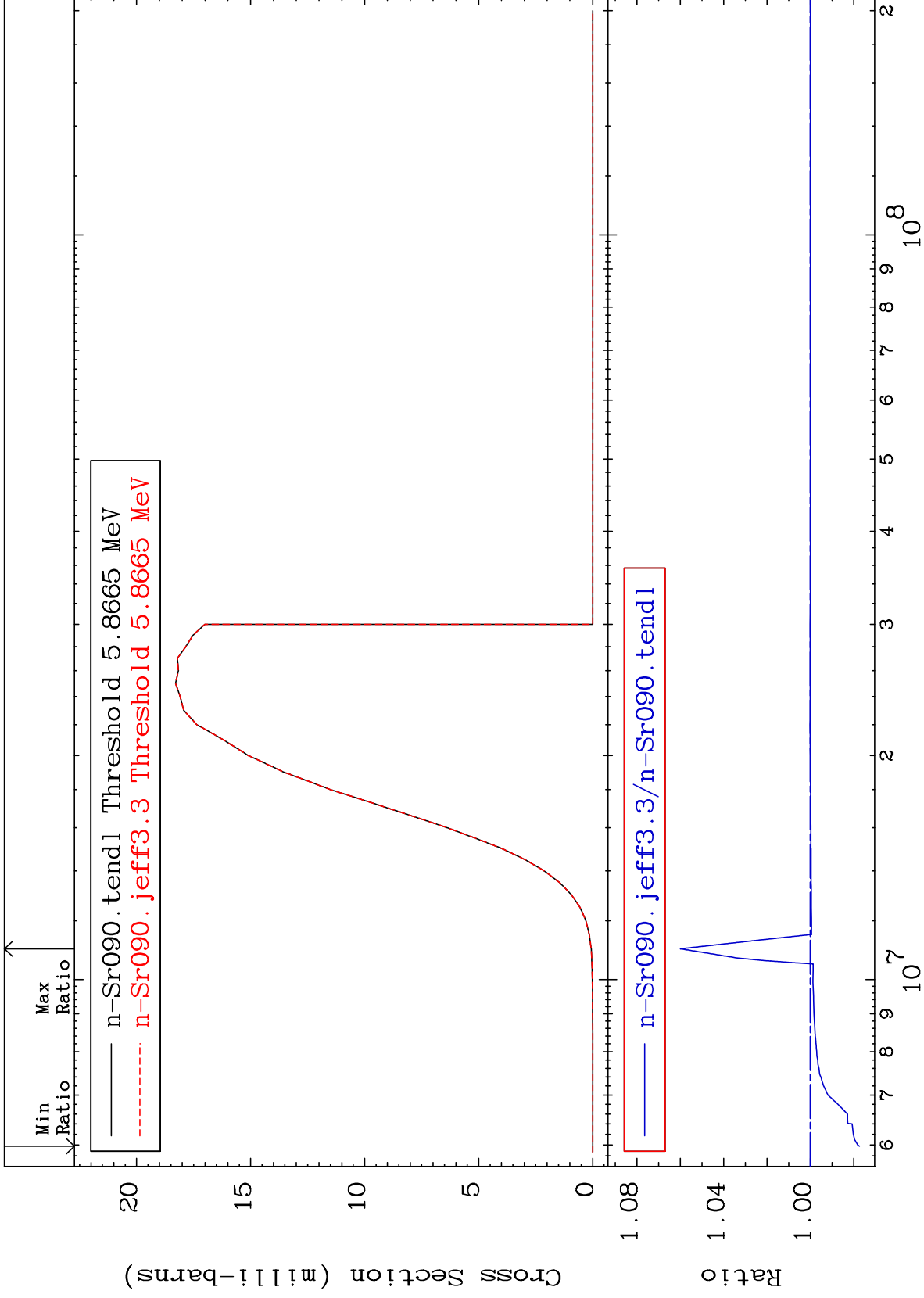




MAT 3843

(n,p)  
Cross Section

38-Sr-90  
-2.263 To 5.996 %



30

Incident Energy (eV)

38-Sr-90

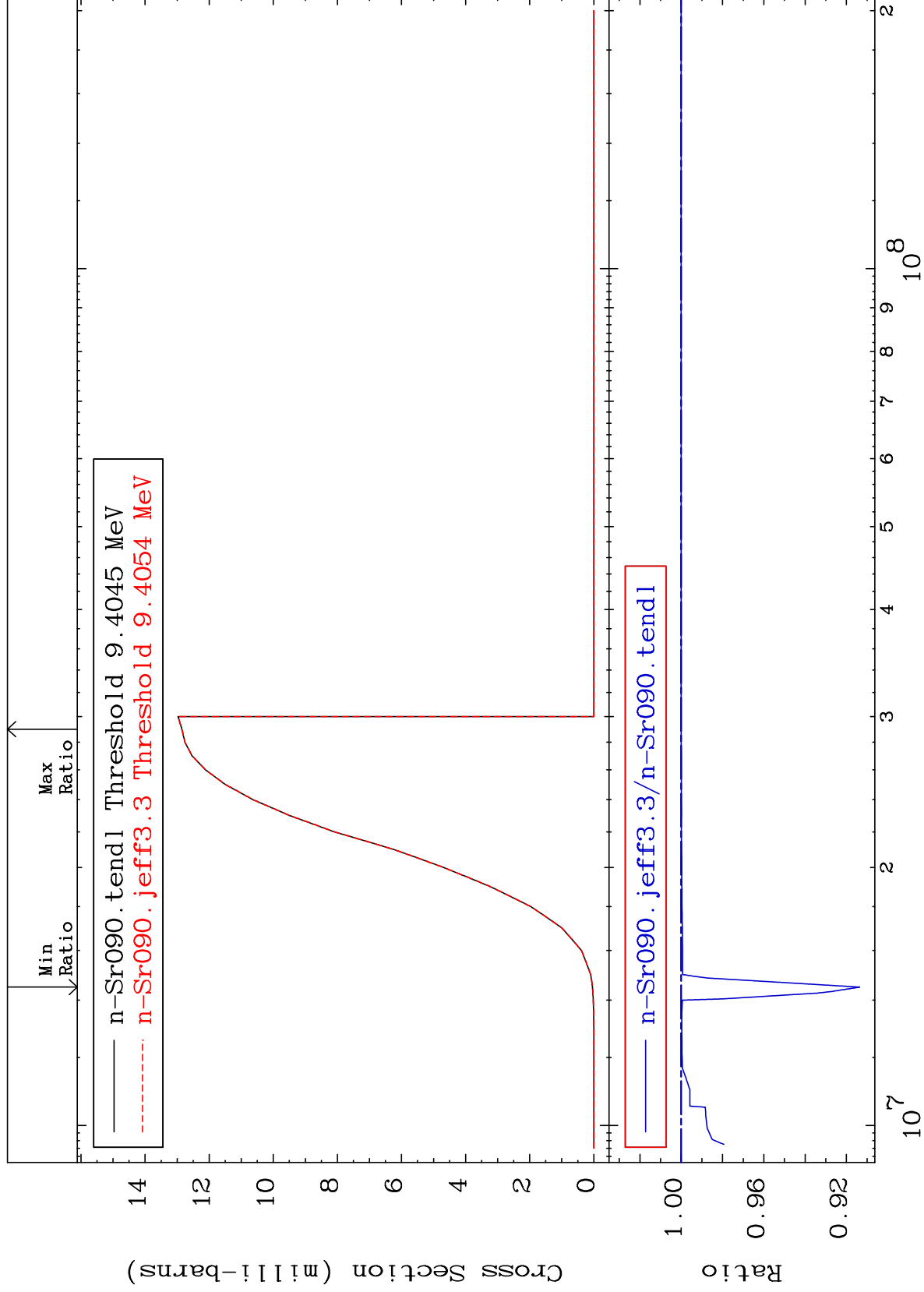
MAT 3843

(n, d)

<sup>38</sup>Sr-90

Cross Section

-8.640 To 0.002 %



31

Incident Energy (eV)

<sup>38</sup>Sr-90

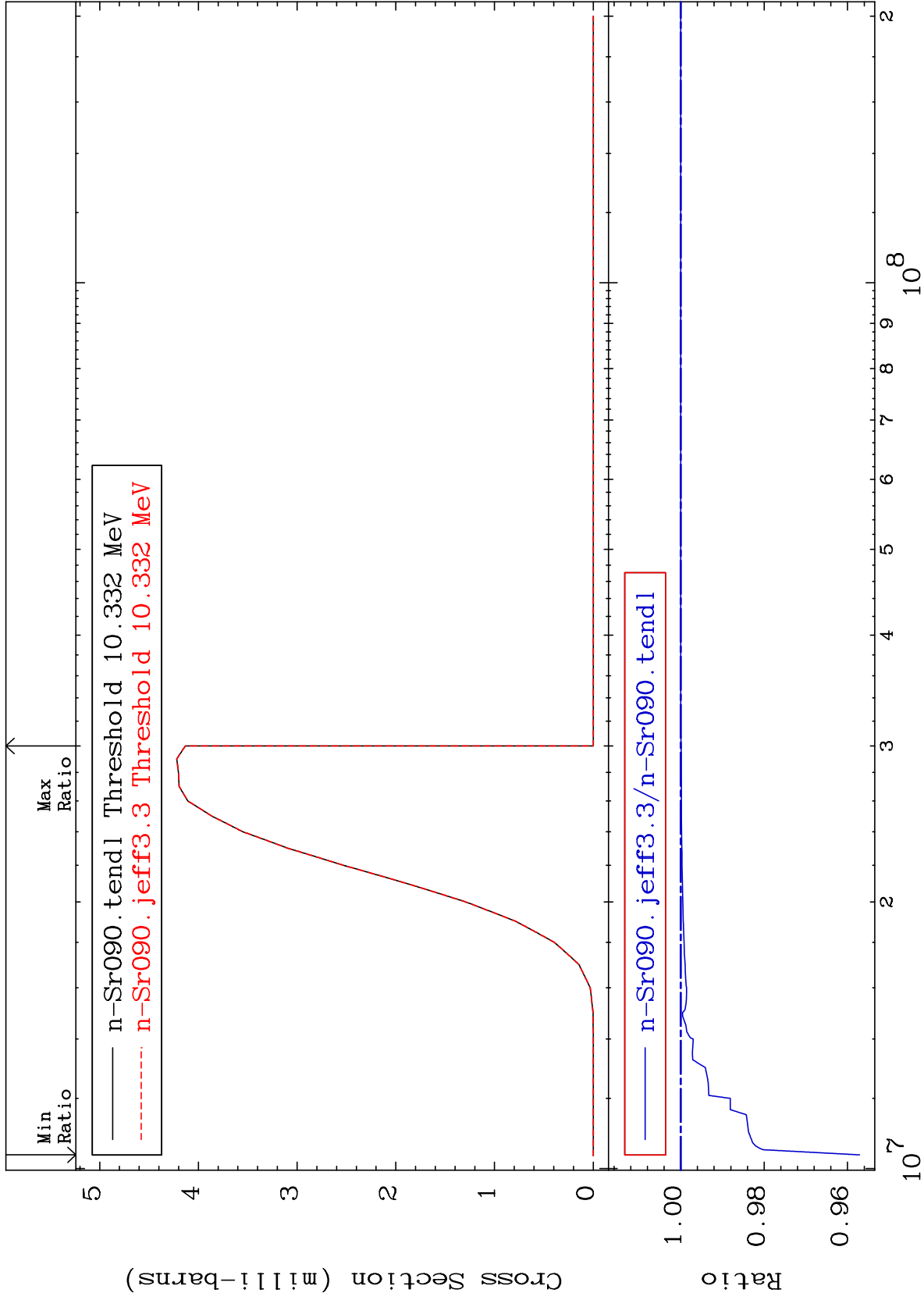
MAT 3843

(n, t)

38-Sr-90

Cross Section

-4.288 To 0.000 %



Incident Energy (eV)

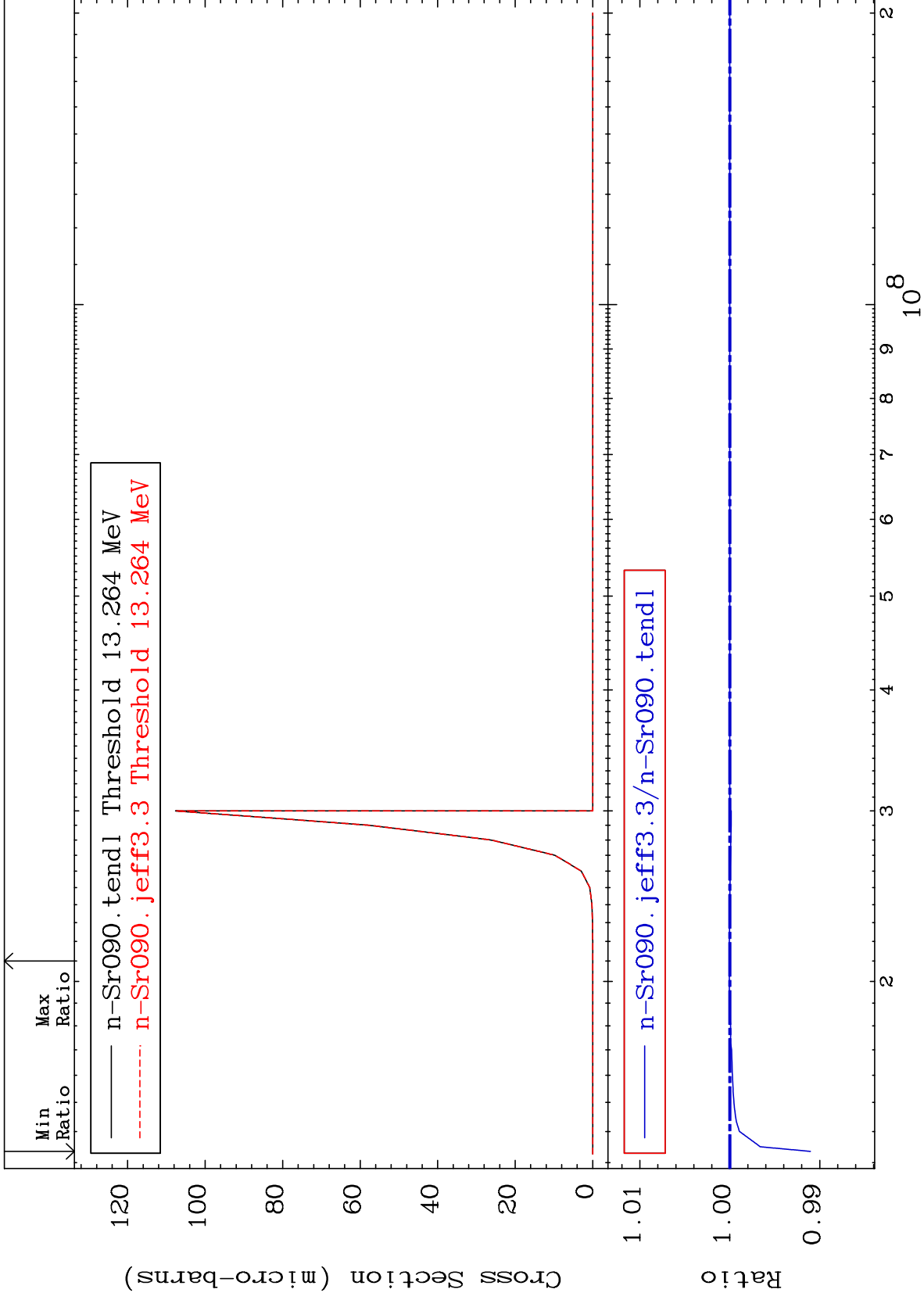
38-Sr-90

32

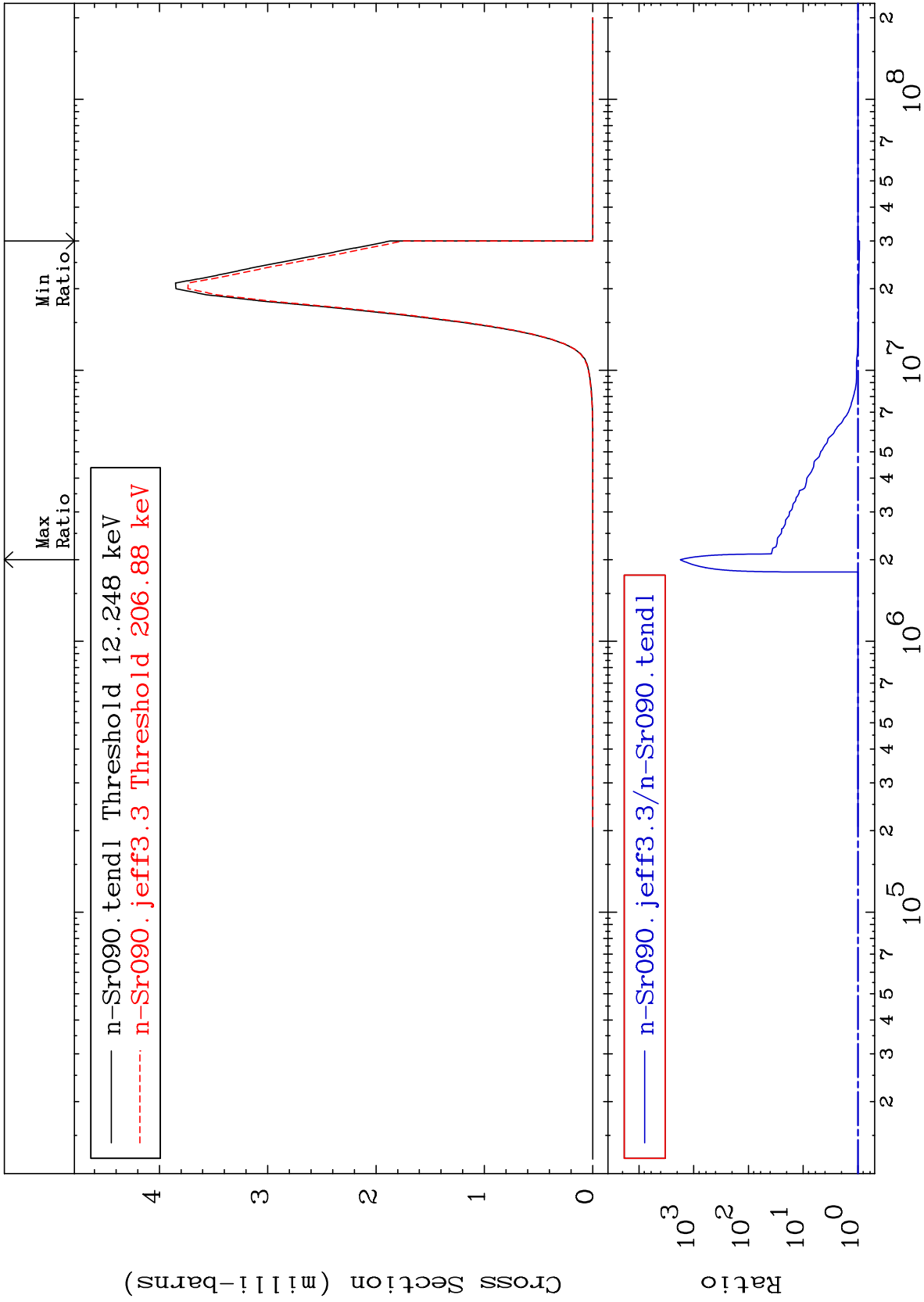


Cross Section

-0.897 To 0.006 %



(n,  $\alpha$ )  
Cross Section  
-5.941 To 9999. %

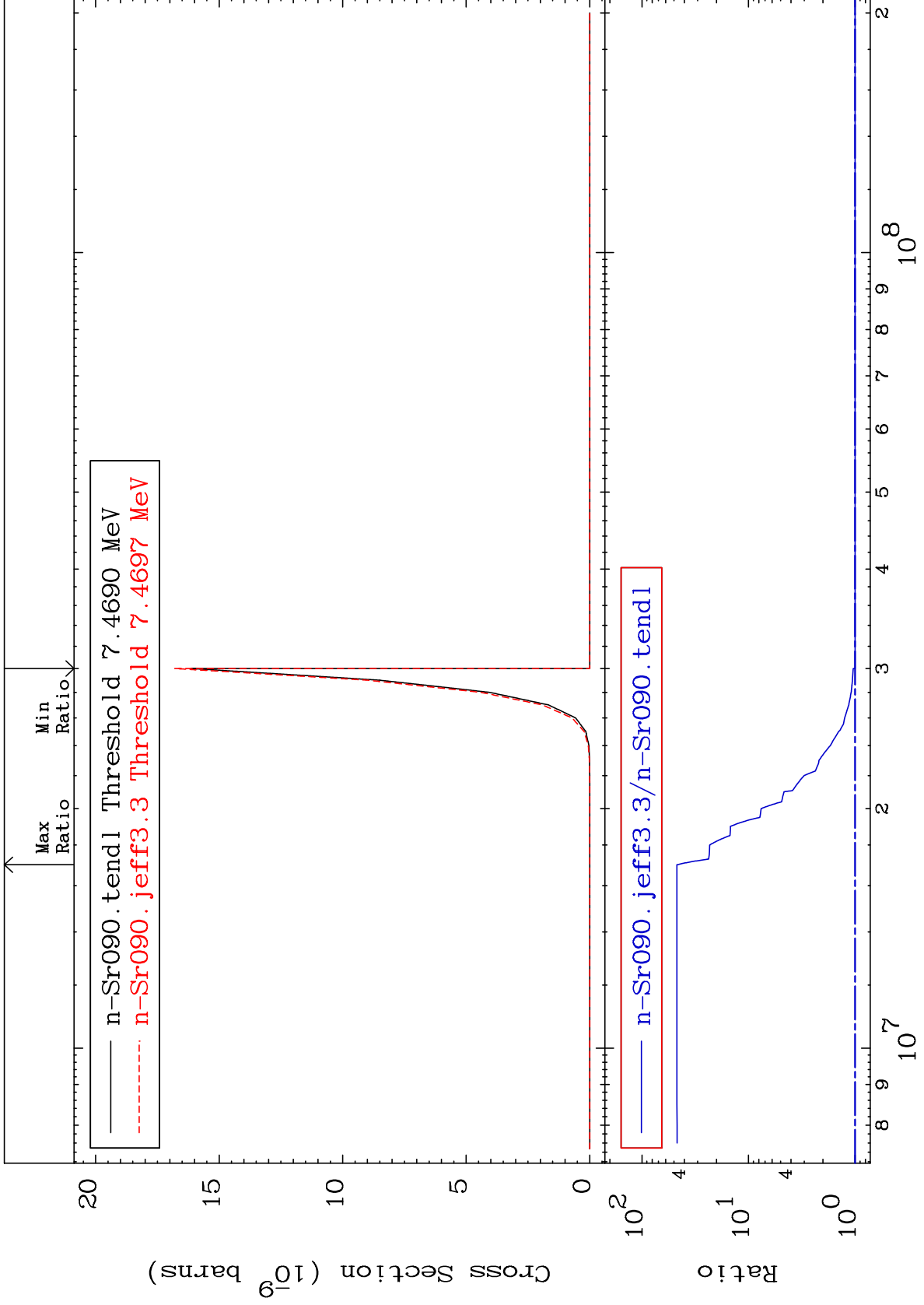


MAT 3843

(n,2α)

38-Sr-90  
0.000 To 4597. %

Cross Section



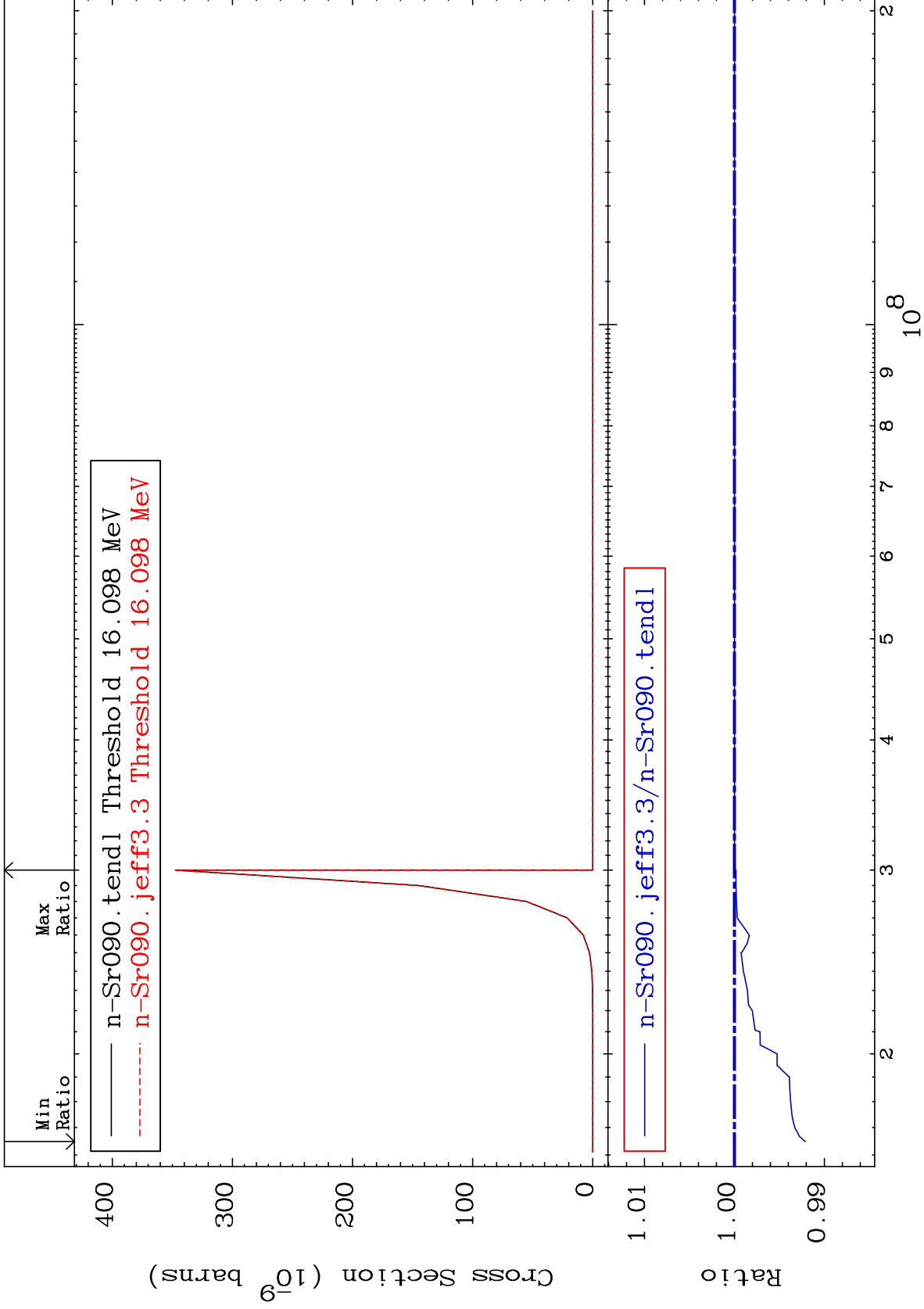
35

Incident Energy (eV)

38-Sr-90

Cross Section

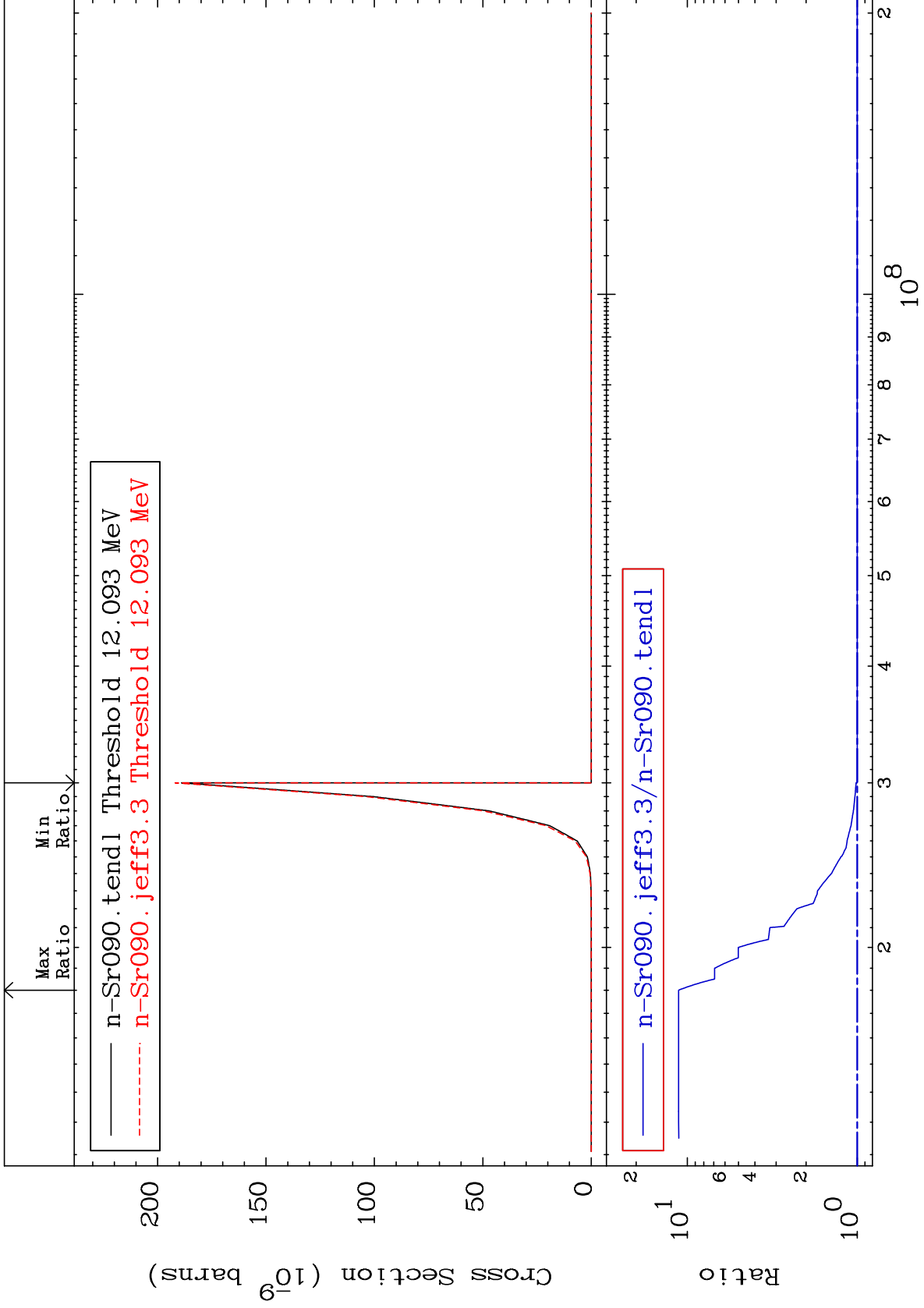
-0.789 To 0.000 %



MAT 3843

(n, p)  $\alpha$   
Cross Section

38-Sr-90  
To 1026. %  
0.000



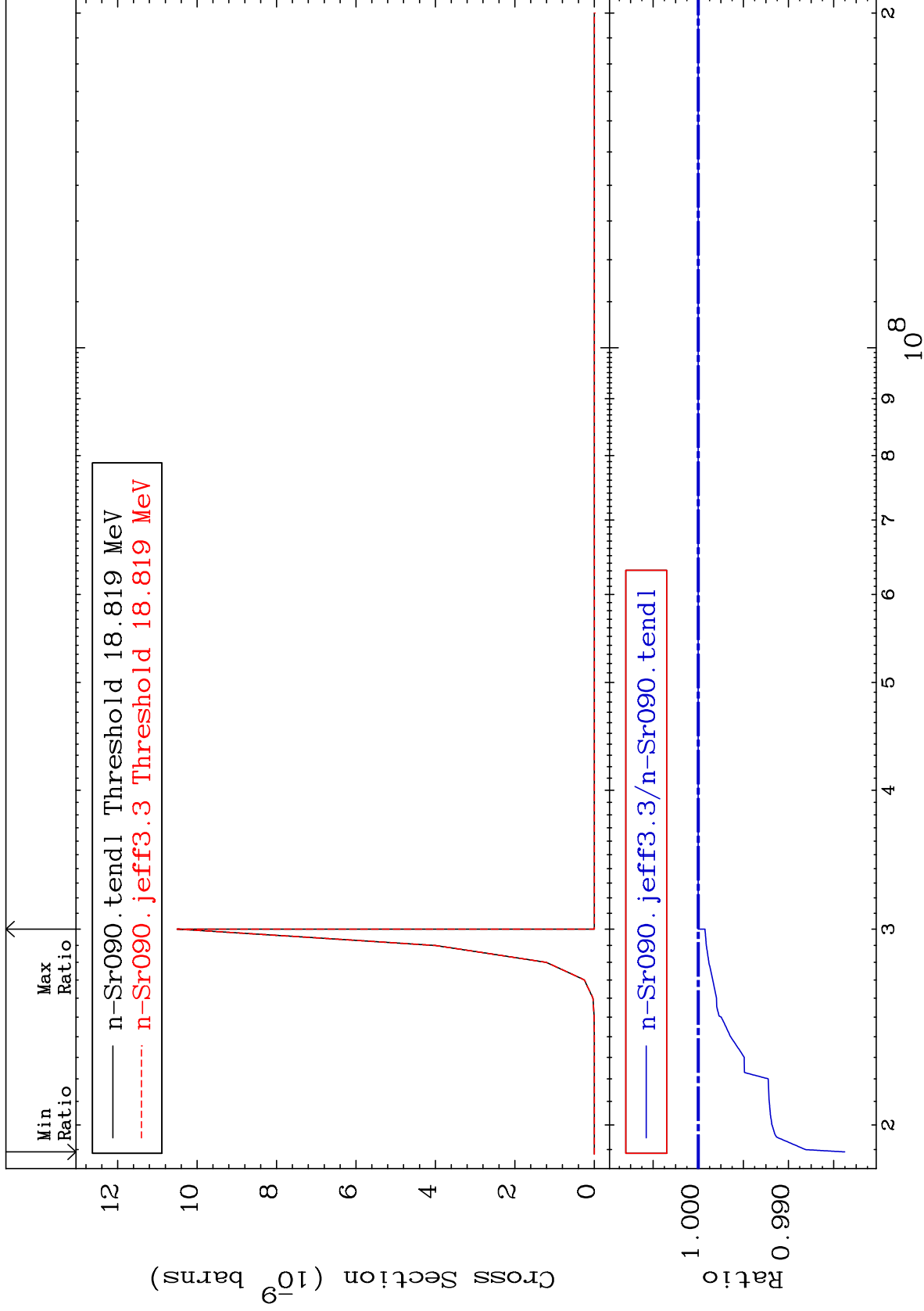
MAT 3843

(n, p) d

<sup>38</sup>Sr-<sup>90</sup>

Cross Section

-1.623 To 0.000 %



38

Incident Energy (eV)

<sup>38</sup>Sr-<sup>90</sup>

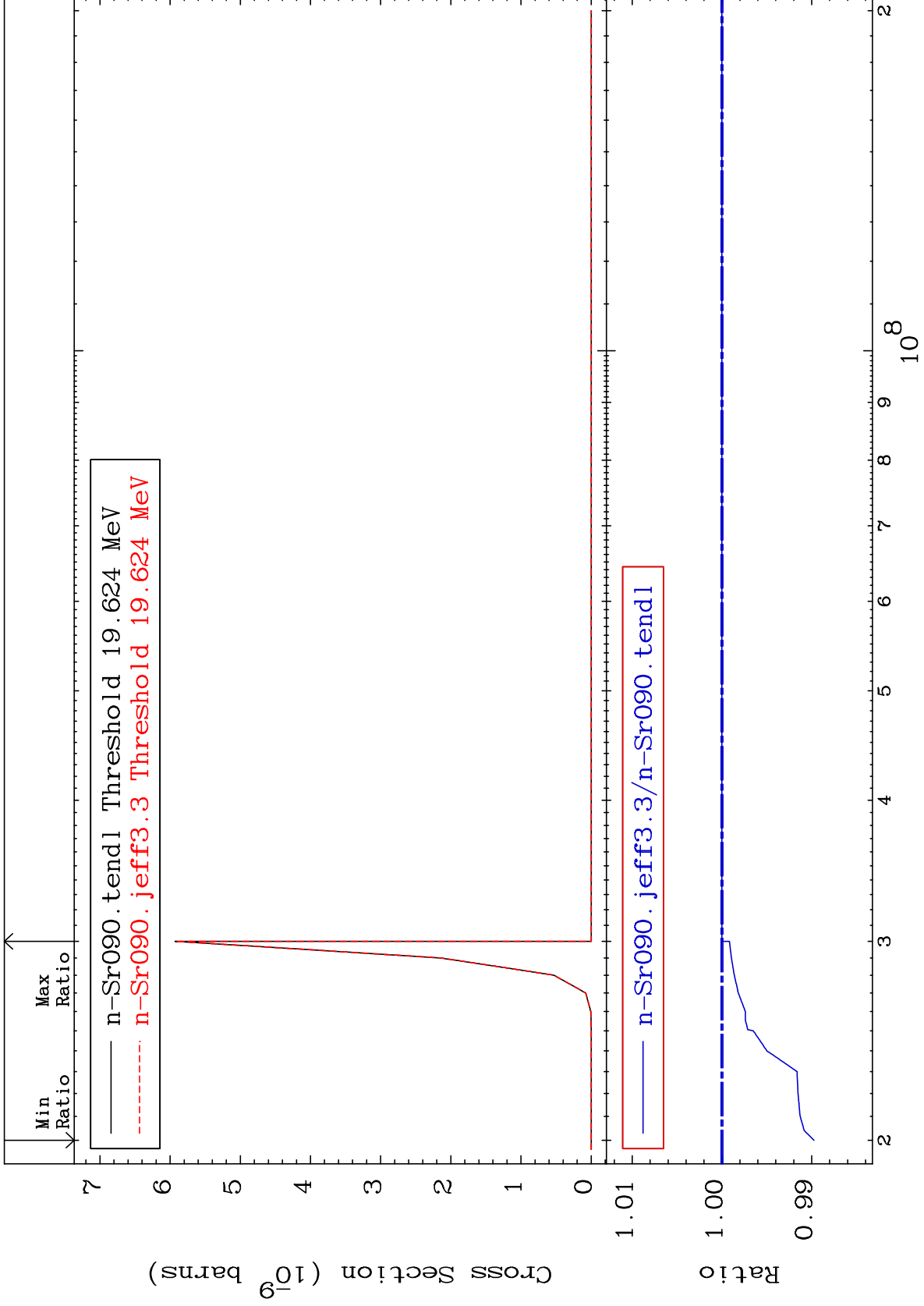
MAT 3843

(n,p) t

<sup>38</sup>Sr-90

Cross Section

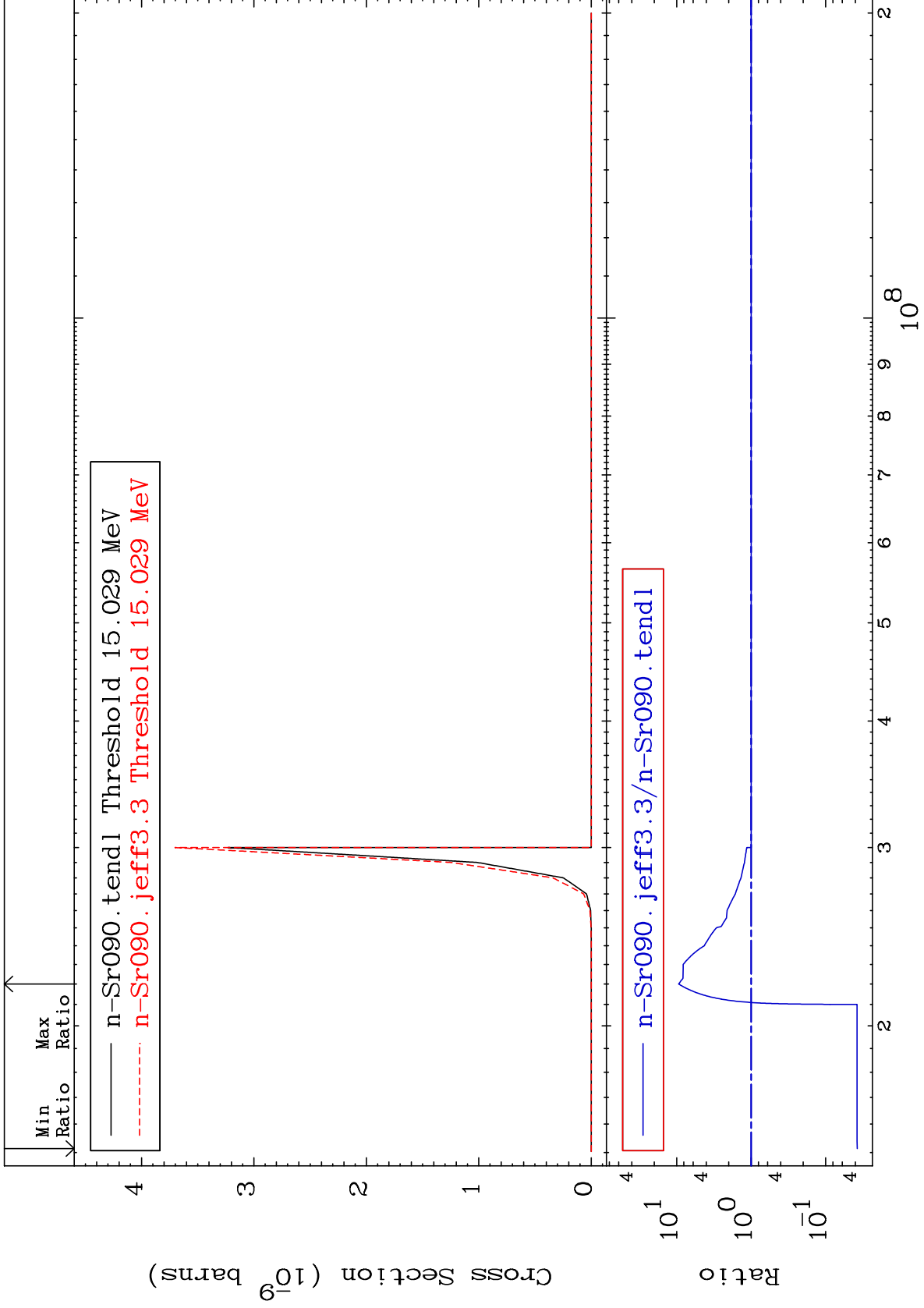
-1.025 To 0.000 %



MAT 3843

(n, d)  $\alpha$   
Cross Section

38-Sr-90  
-96.23 To 839.9 %

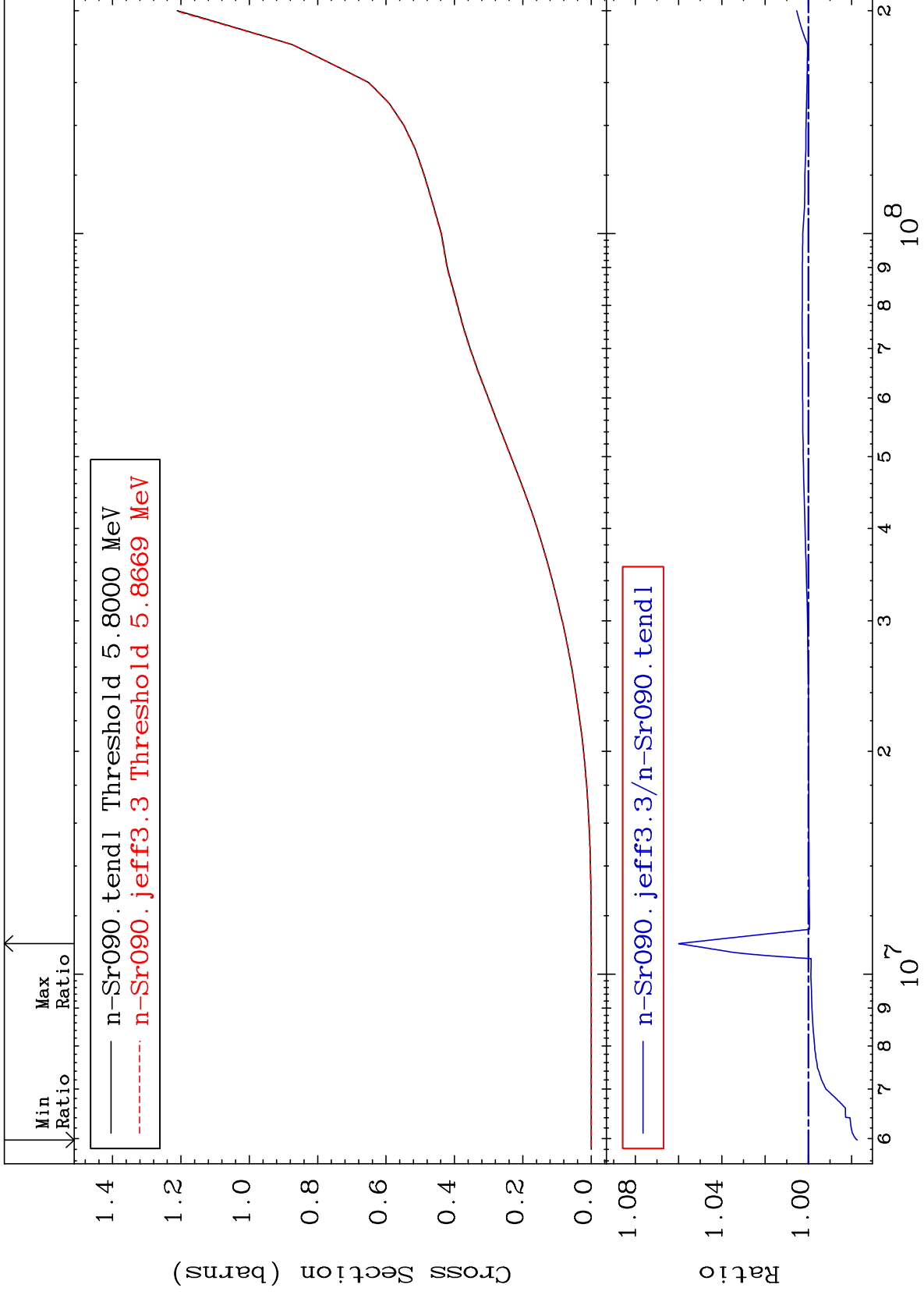




MAT 3843

Hydrogen Production  
Cross Section

38-Sr-90  
-2.263 To 5.996 %



41

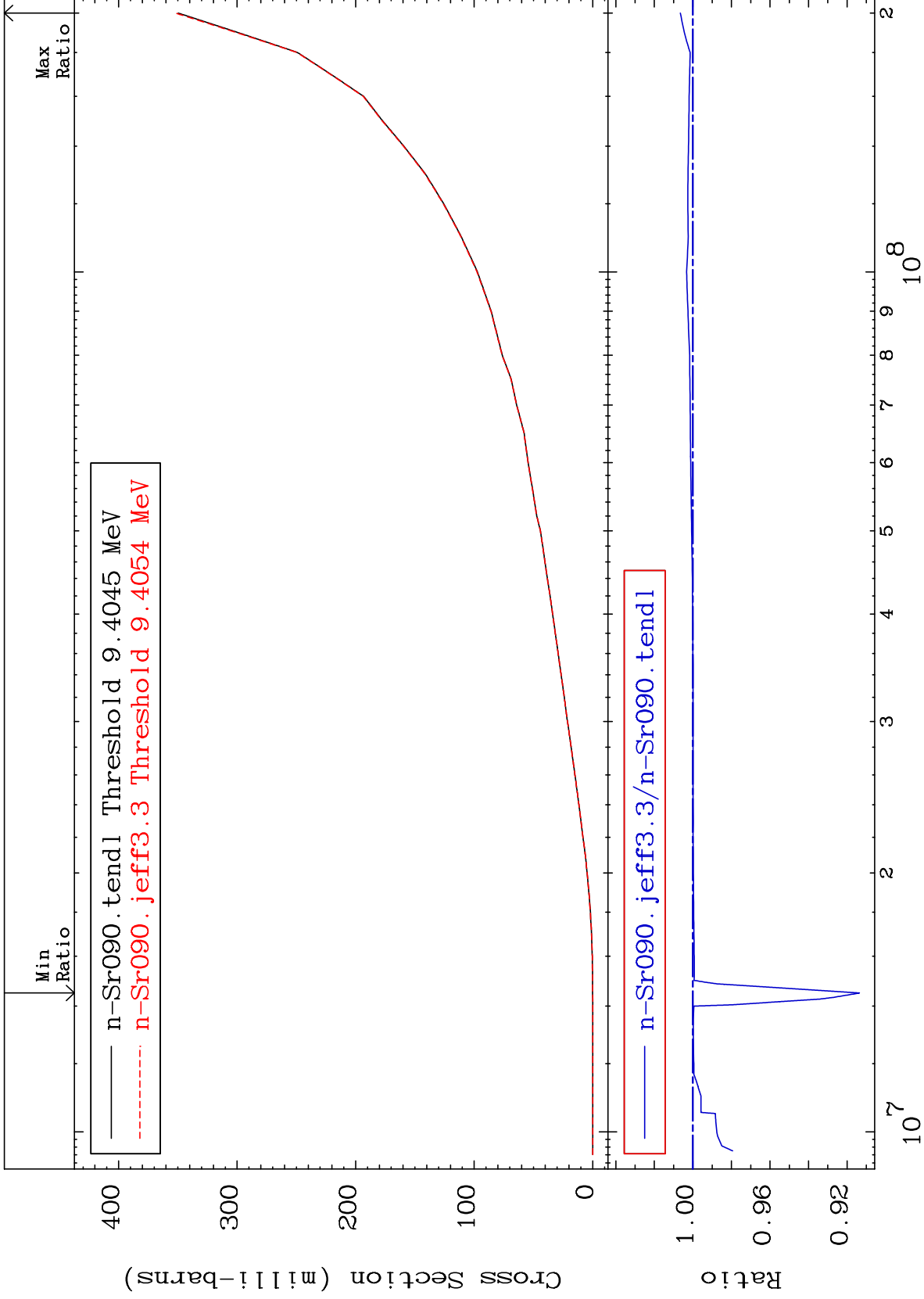
Incident Energy (eV)

38-Sr-90

MAT 3843

Deuterium Production  
Cross Section

38-Sr-90  
-8.640 To 0.650 %



42

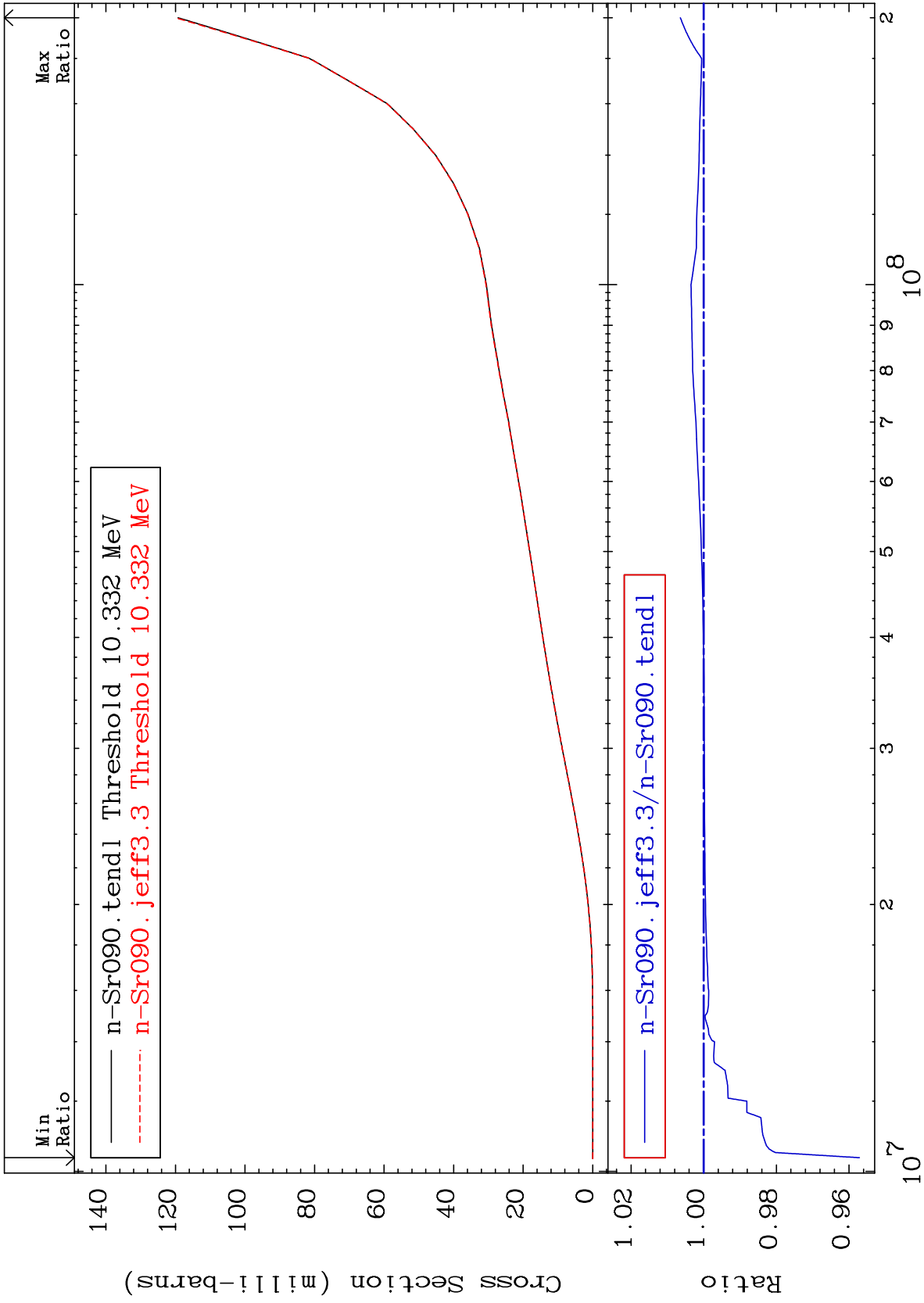
Incident Energy (eV)

38-Sr-90

MAT 3843

Tritium Production  
Cross Section

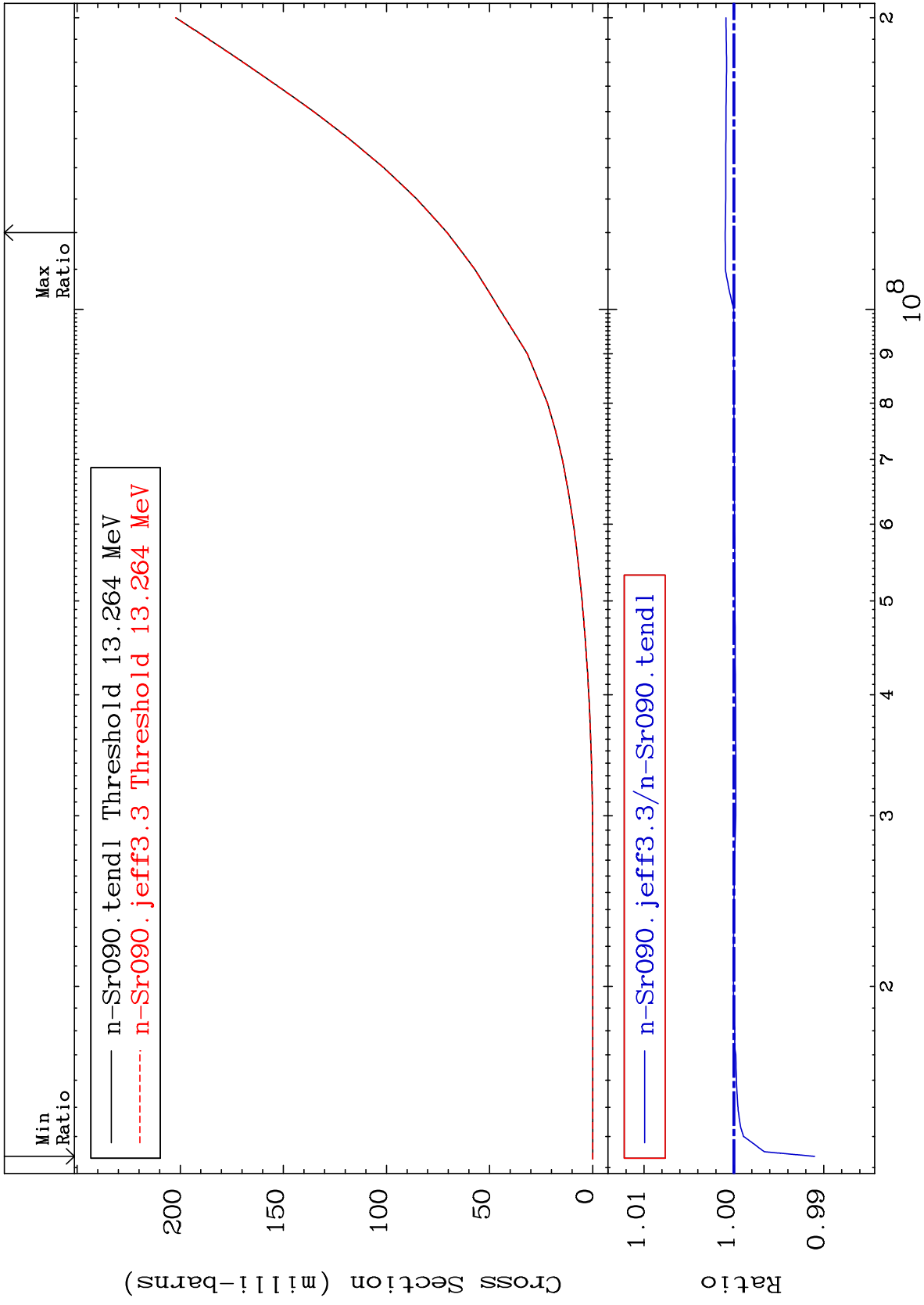
38-Sr-90  
-4.288 To 0.642 %



43

Incident Energy (eV)

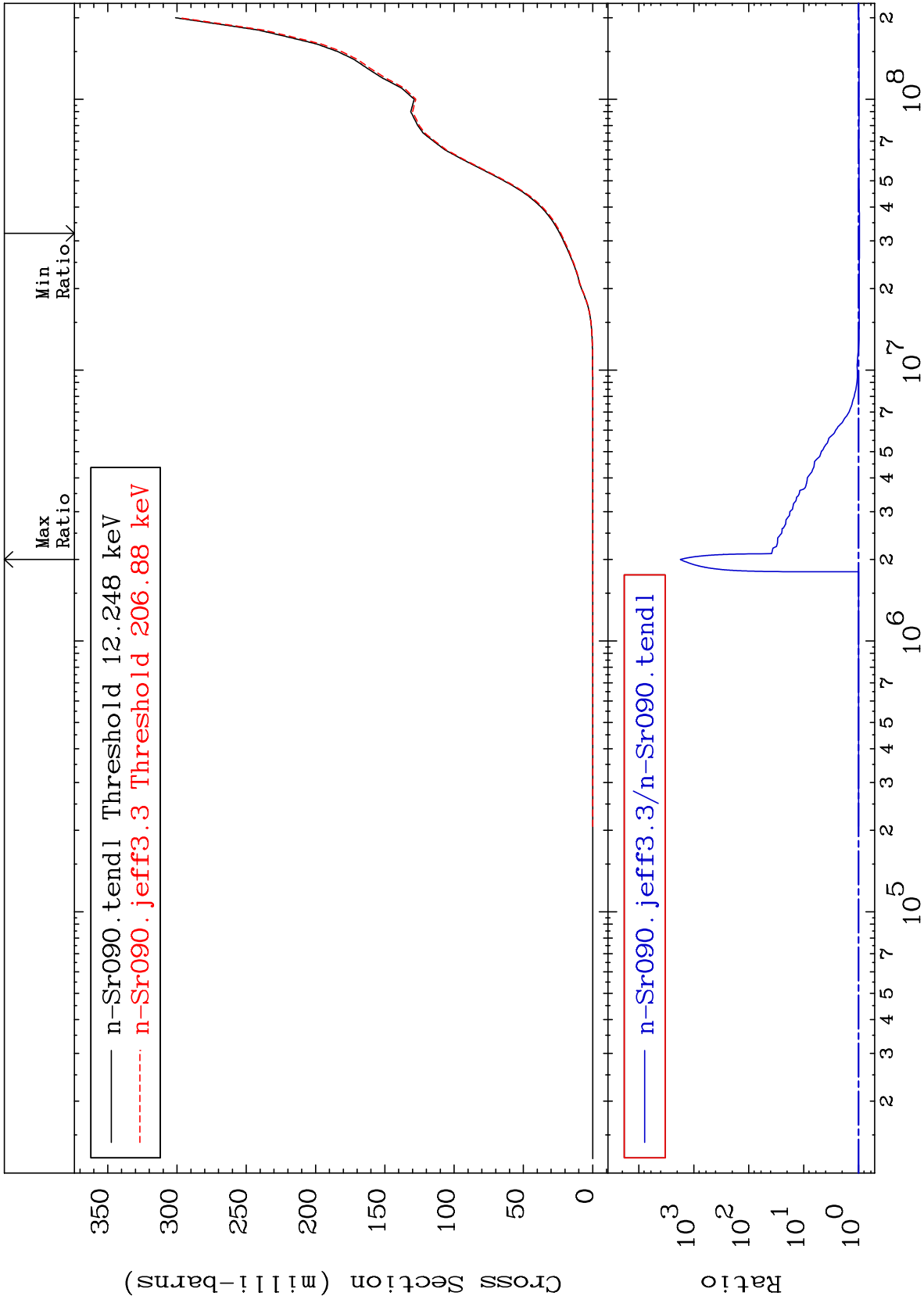
38-Sr-90

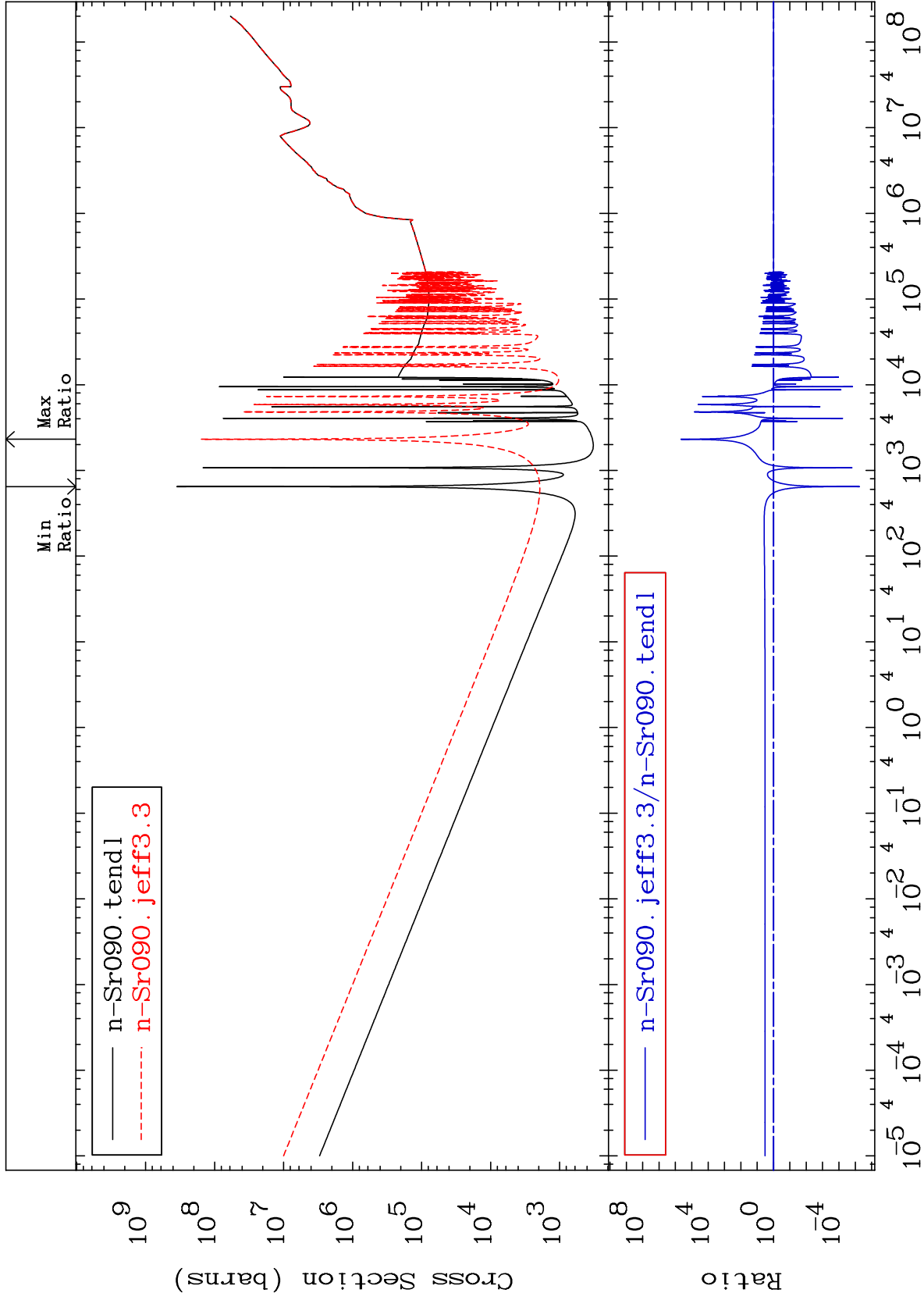


MAT 3843

He-4 Production  
Cross Section

38-Sr-90  
-3.056 To 9999. %





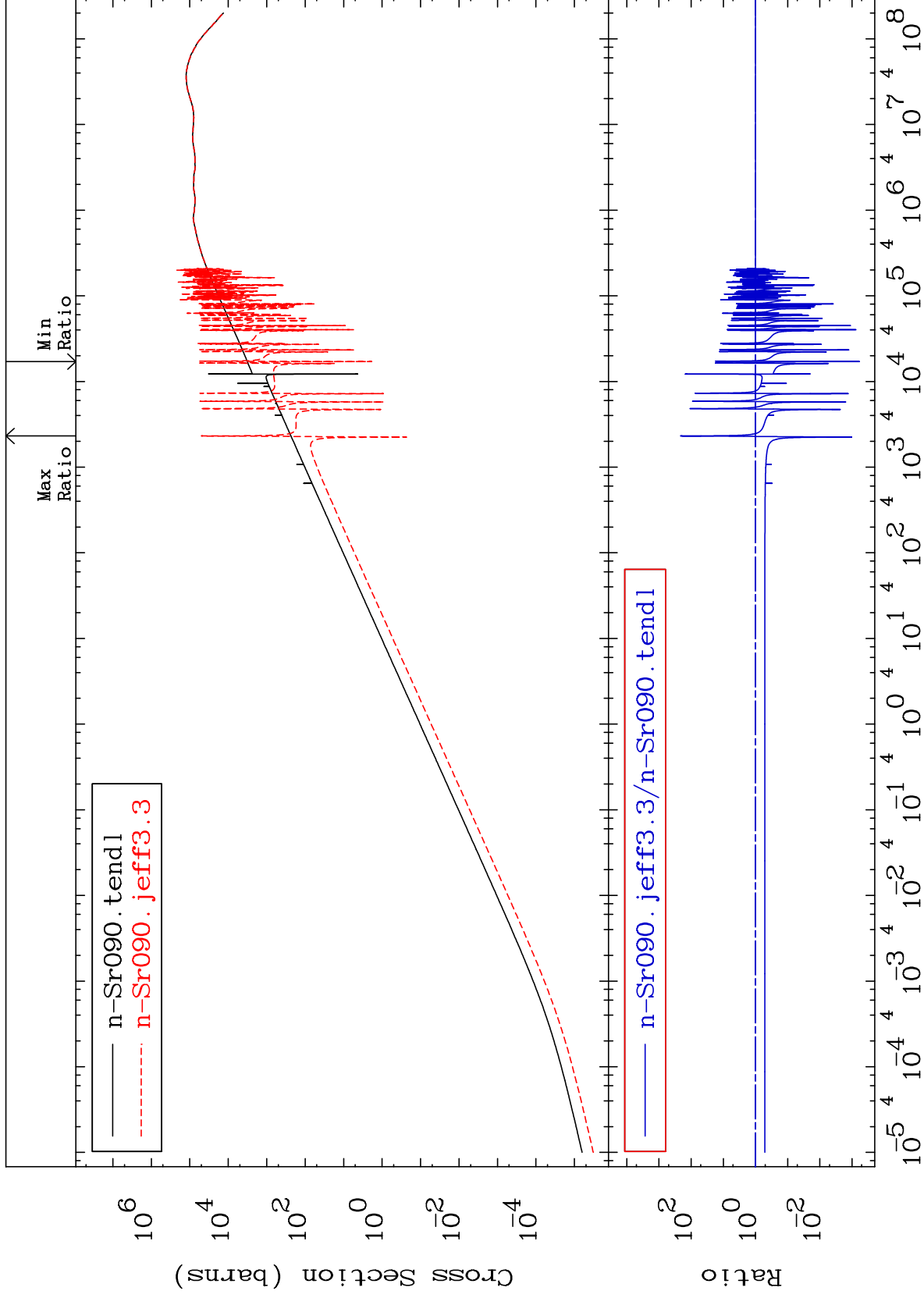
— n-Sr090.tendl  
- - - n-Sr090.jeff3.3

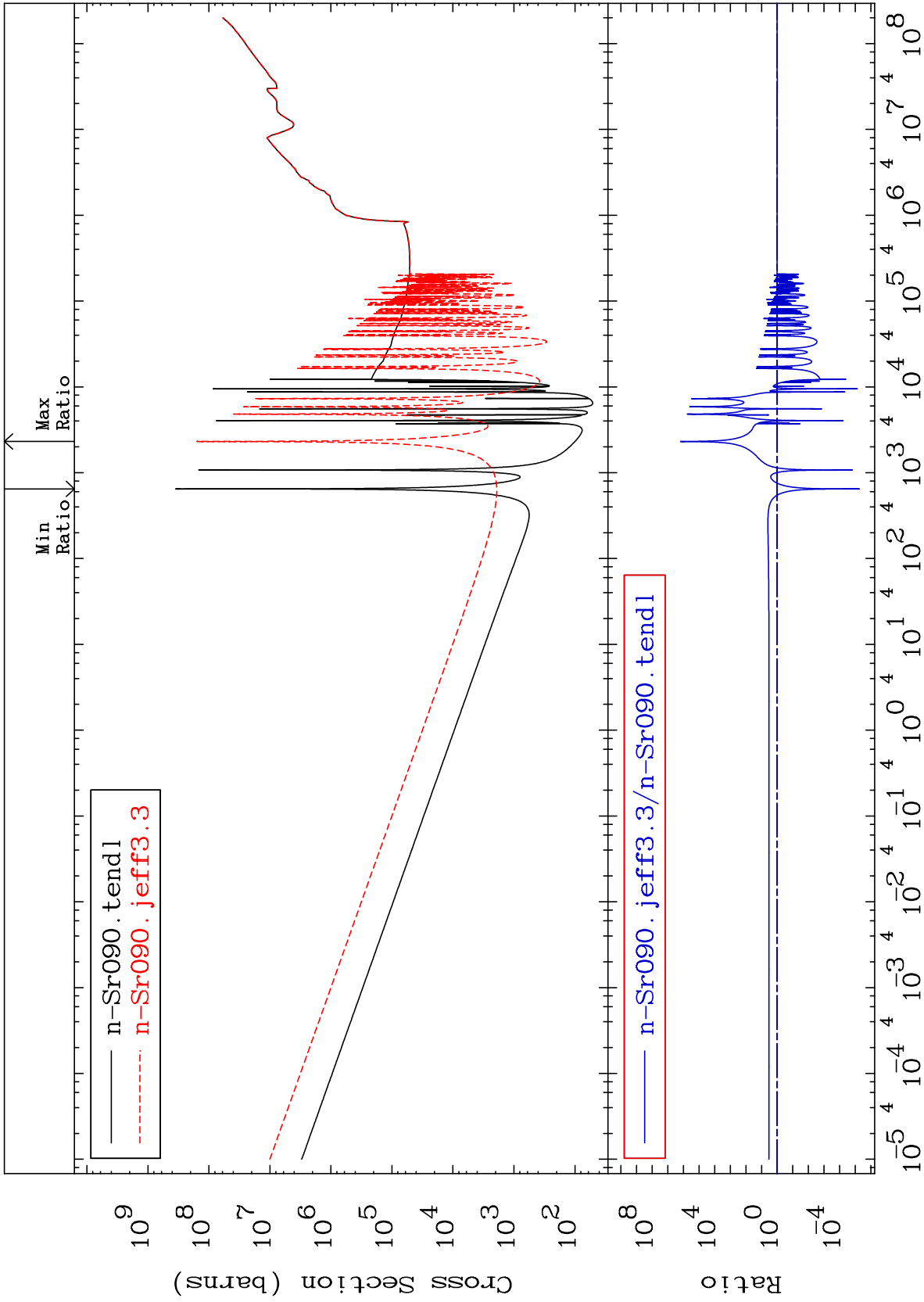
— n-Sr090.jeff3.3/n-Sr090.tendl

MAT 3843

Kerma elastic  
Cross Section

38-Sr-90  
-99.94 To 9999. %



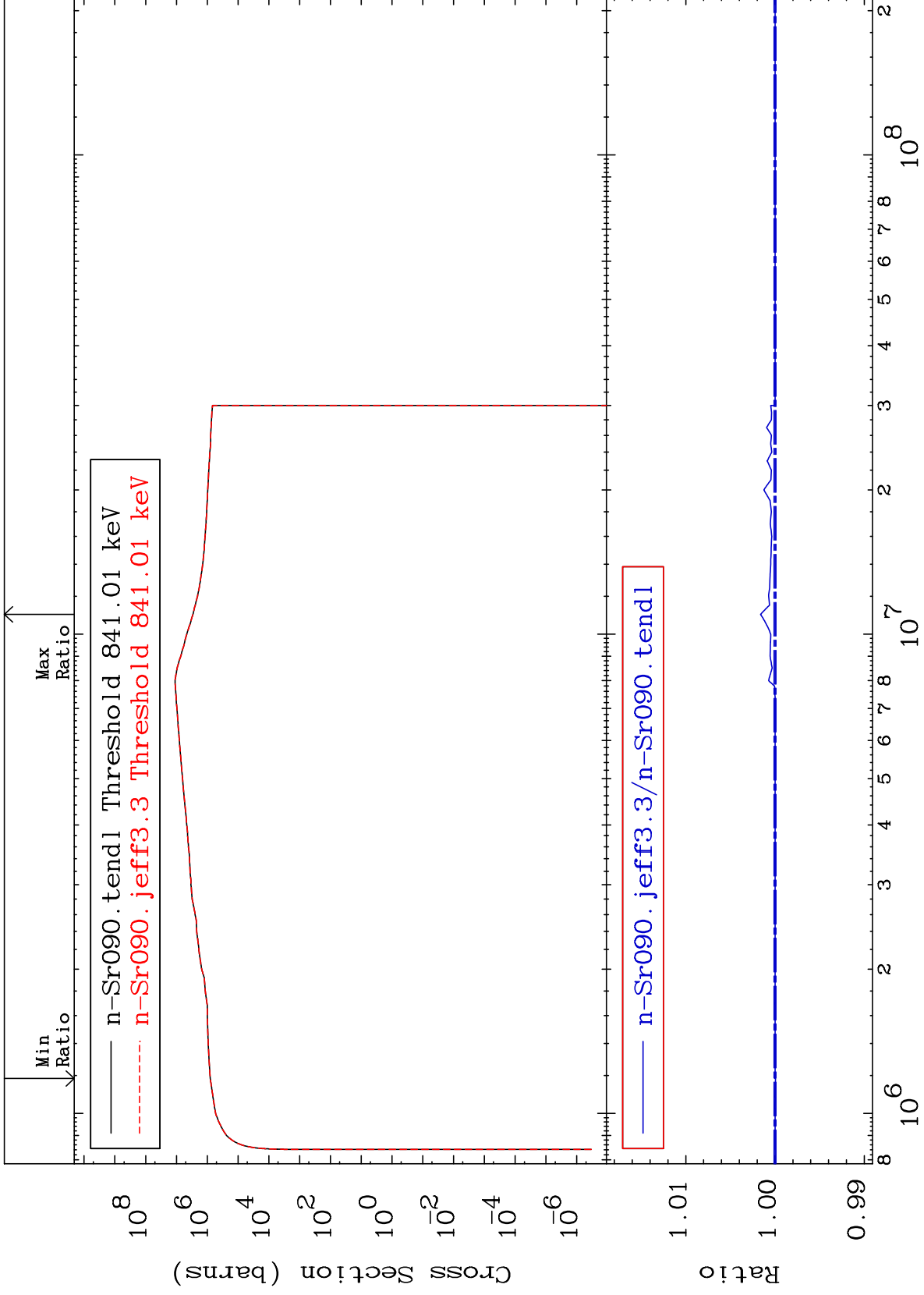




MAT 3843

Kerma inelastic (mt51-91)  
Cross Section

38-Sr-90  
-0.004 To 0.163 %



49

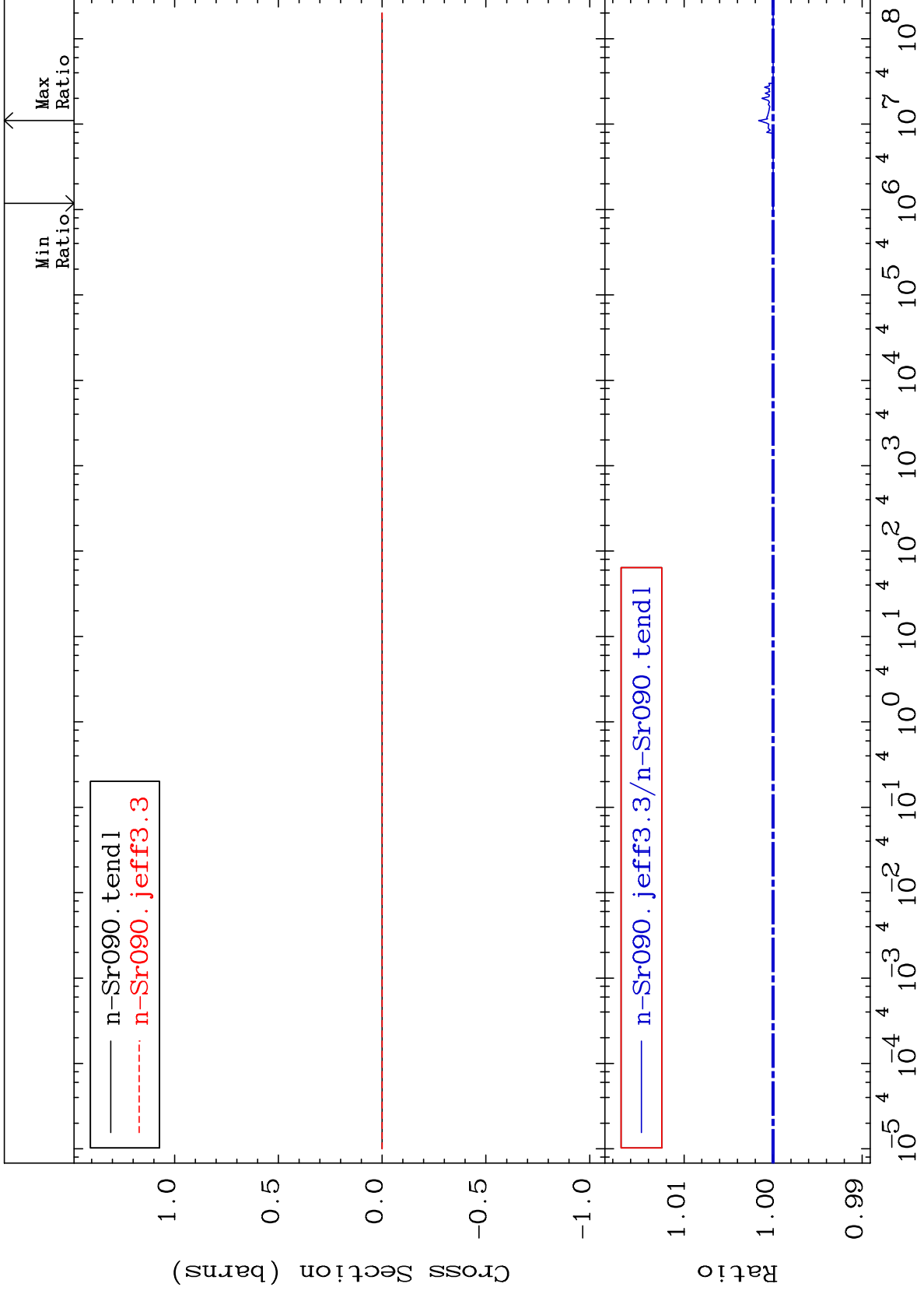
38-Sr-90

38-Sr-90

MAT 3843

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

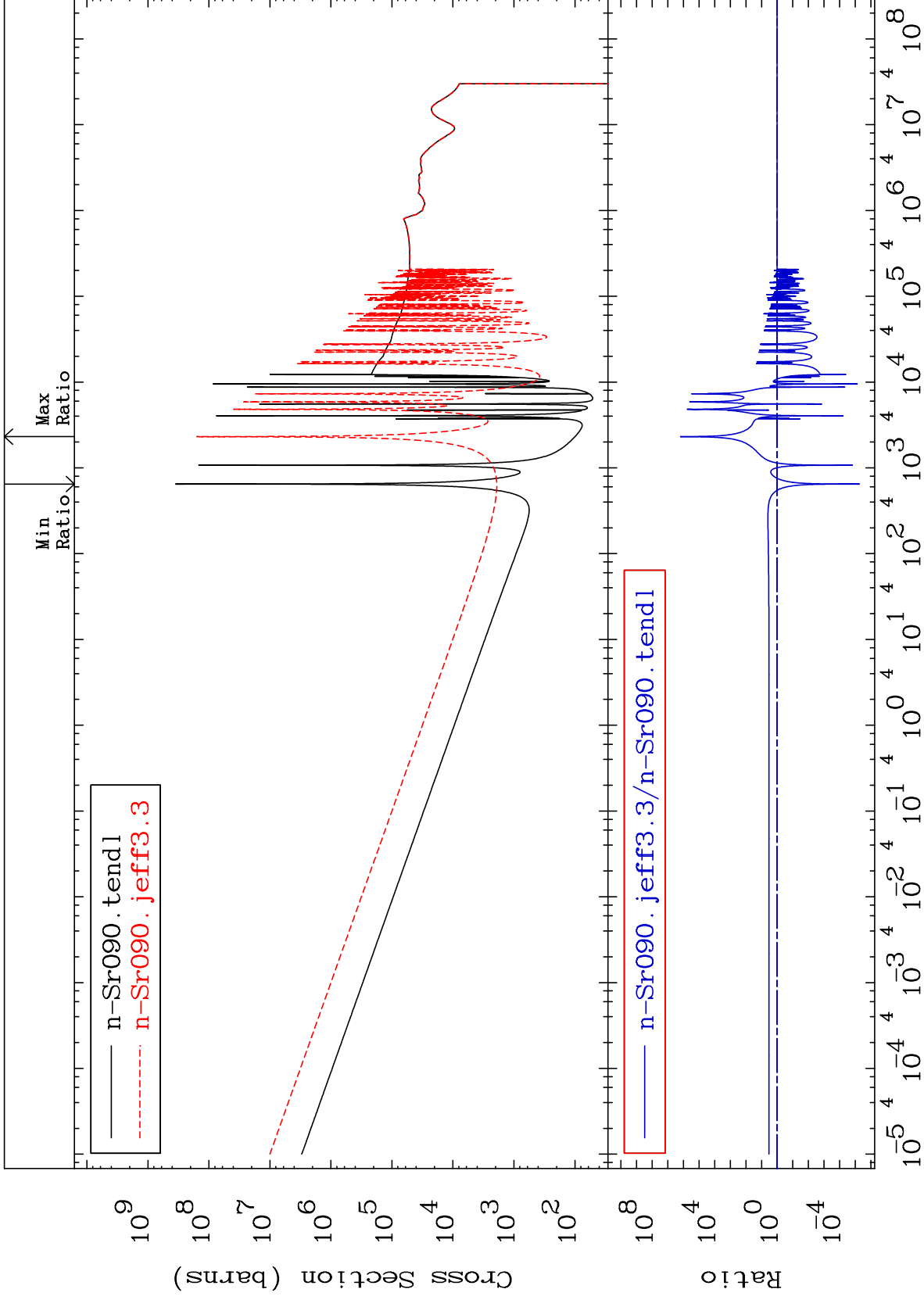
38-Sr-90  
-0.004 To 0.163 %

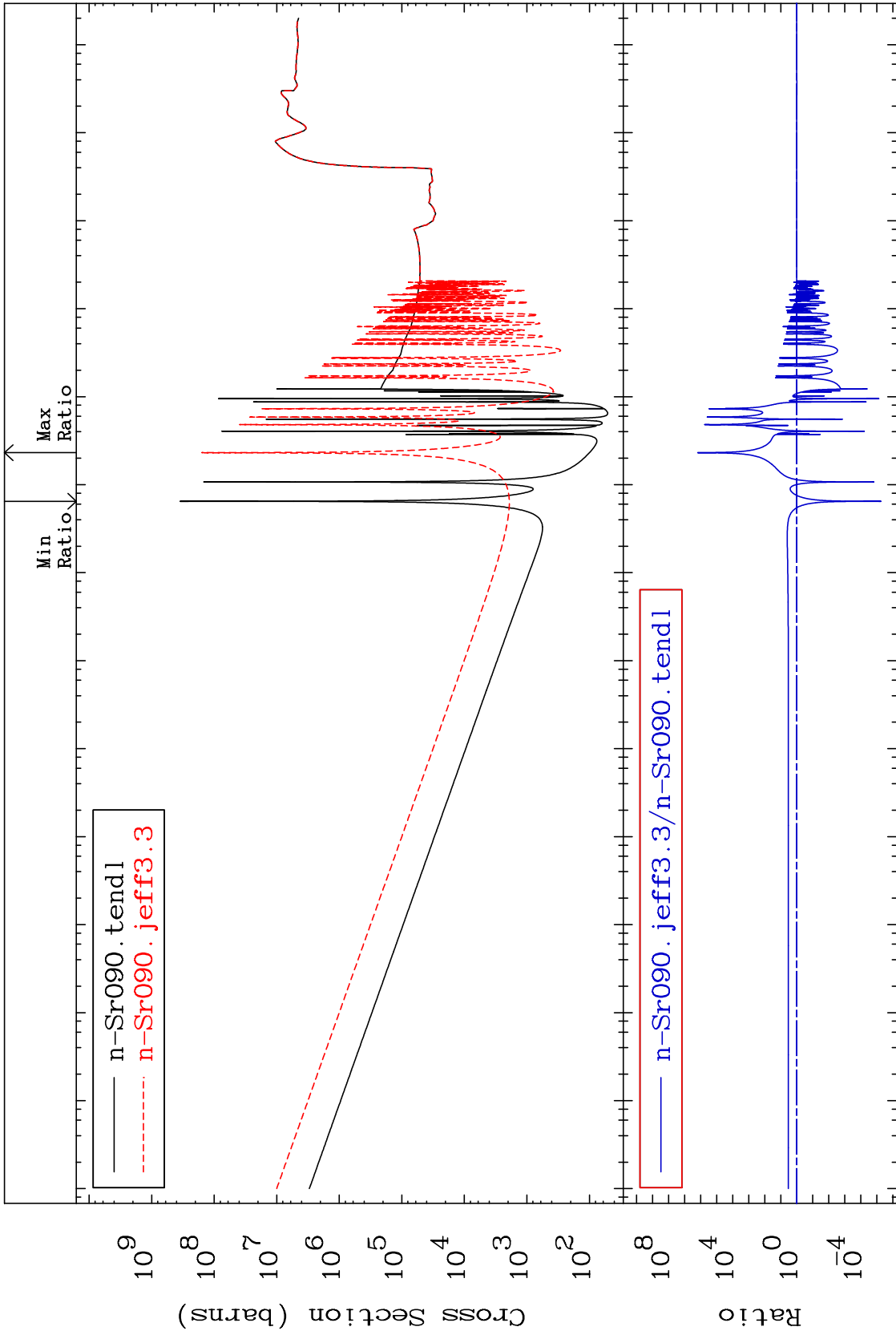


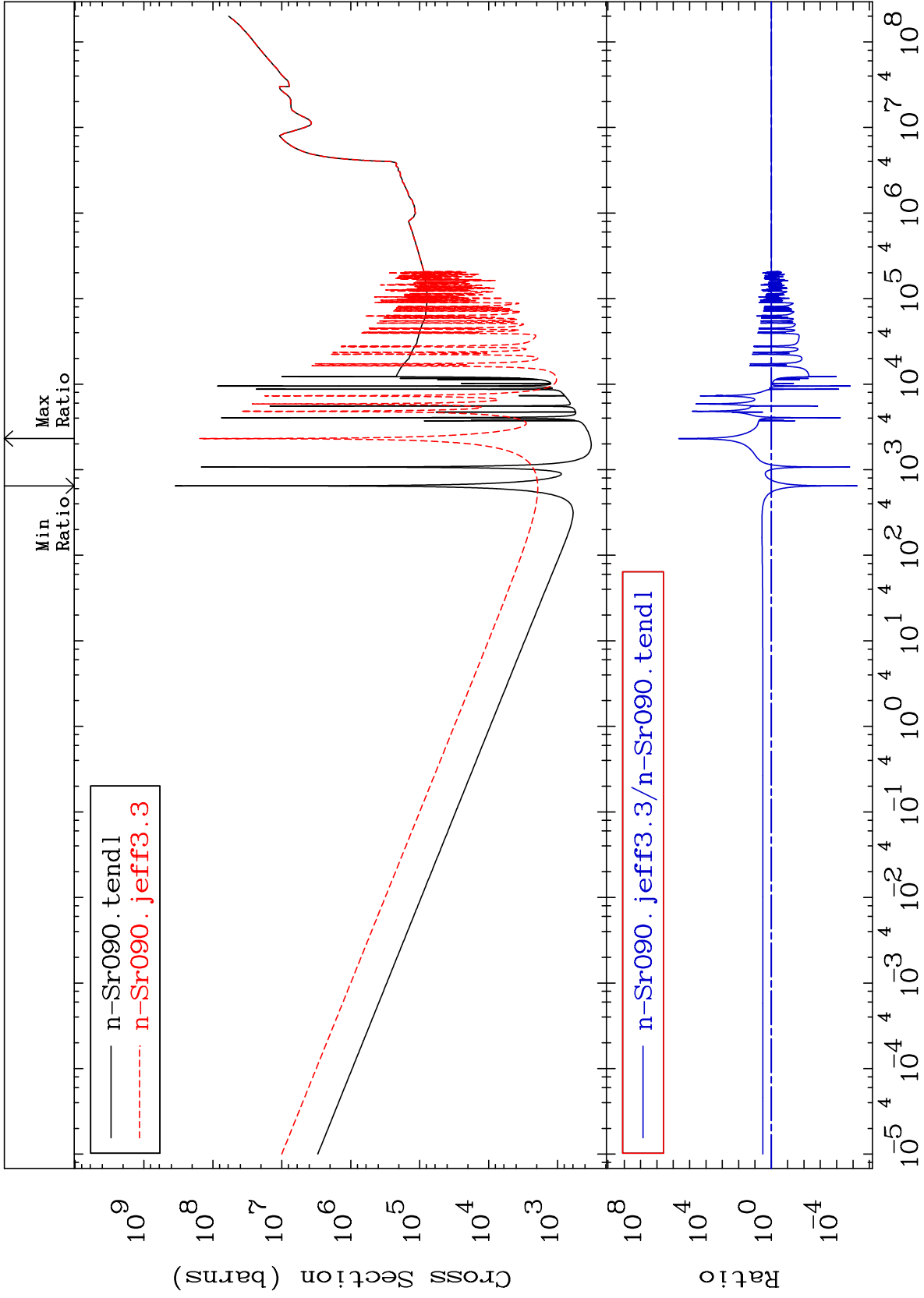
50

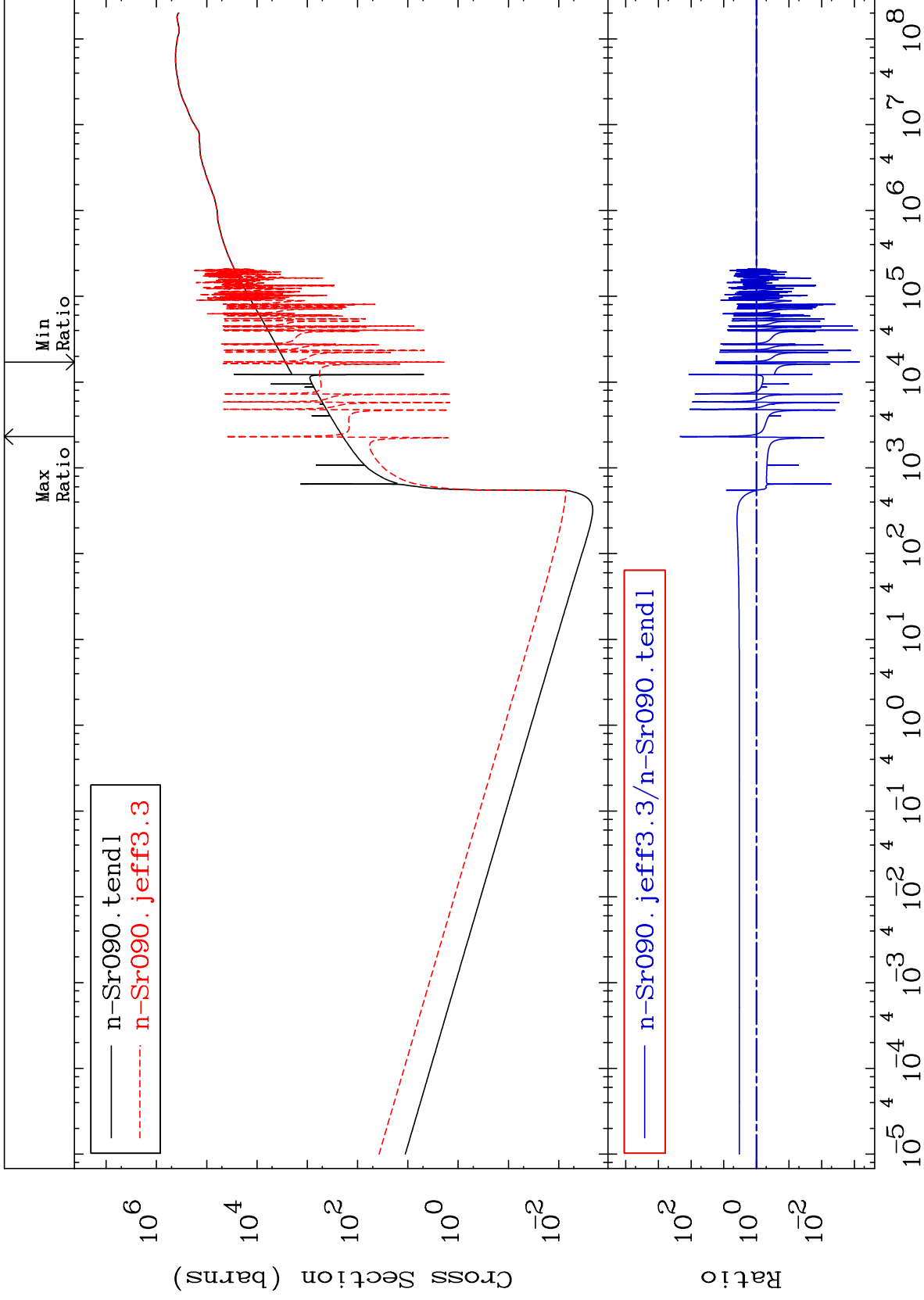
Incident Energy (eV)

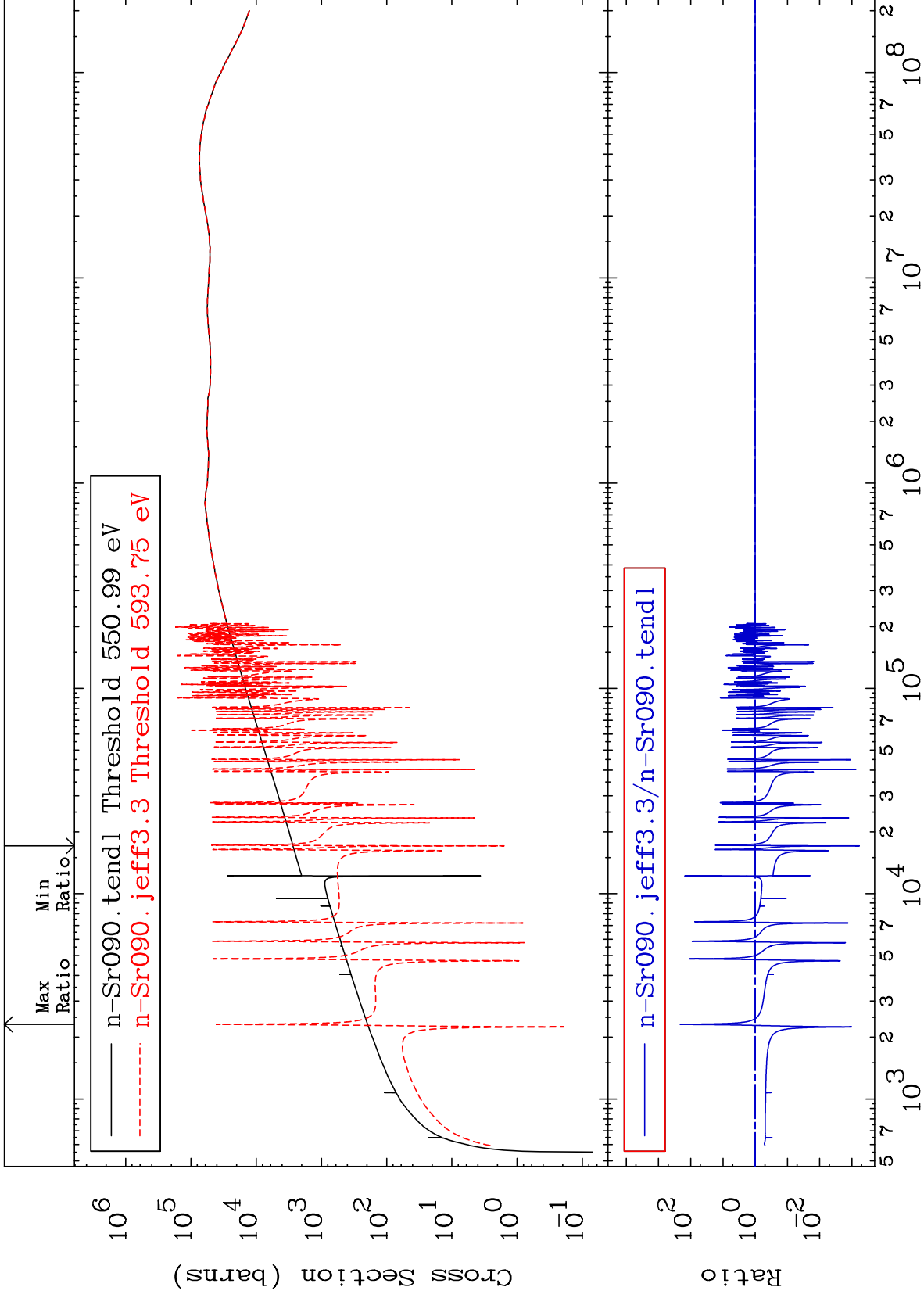
38-Sr-90







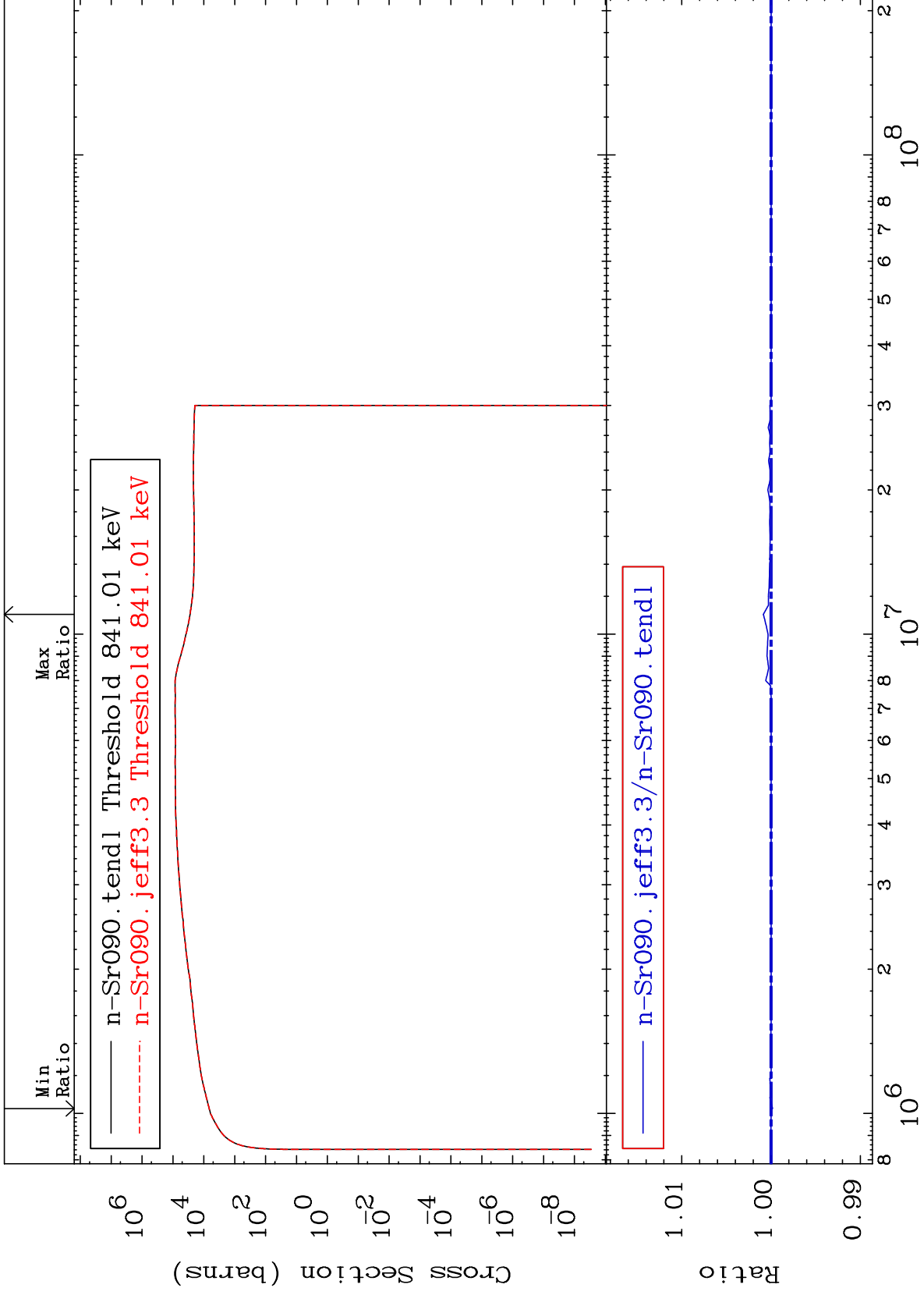




MAT 3843

Dpa inelastic (mt51-91)  
Cross Section

38-Sr-90  
-0.017 To 0.086 %

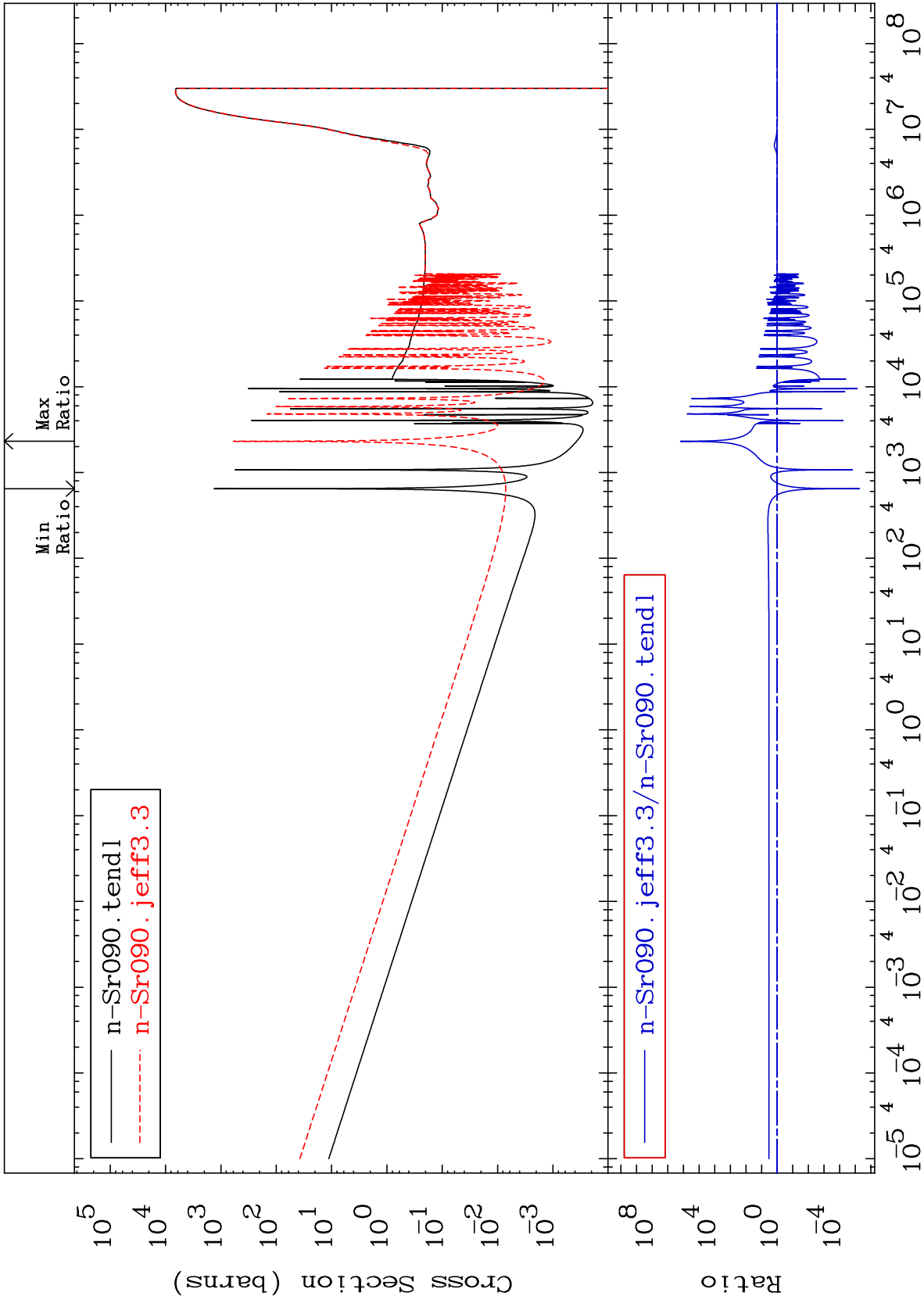


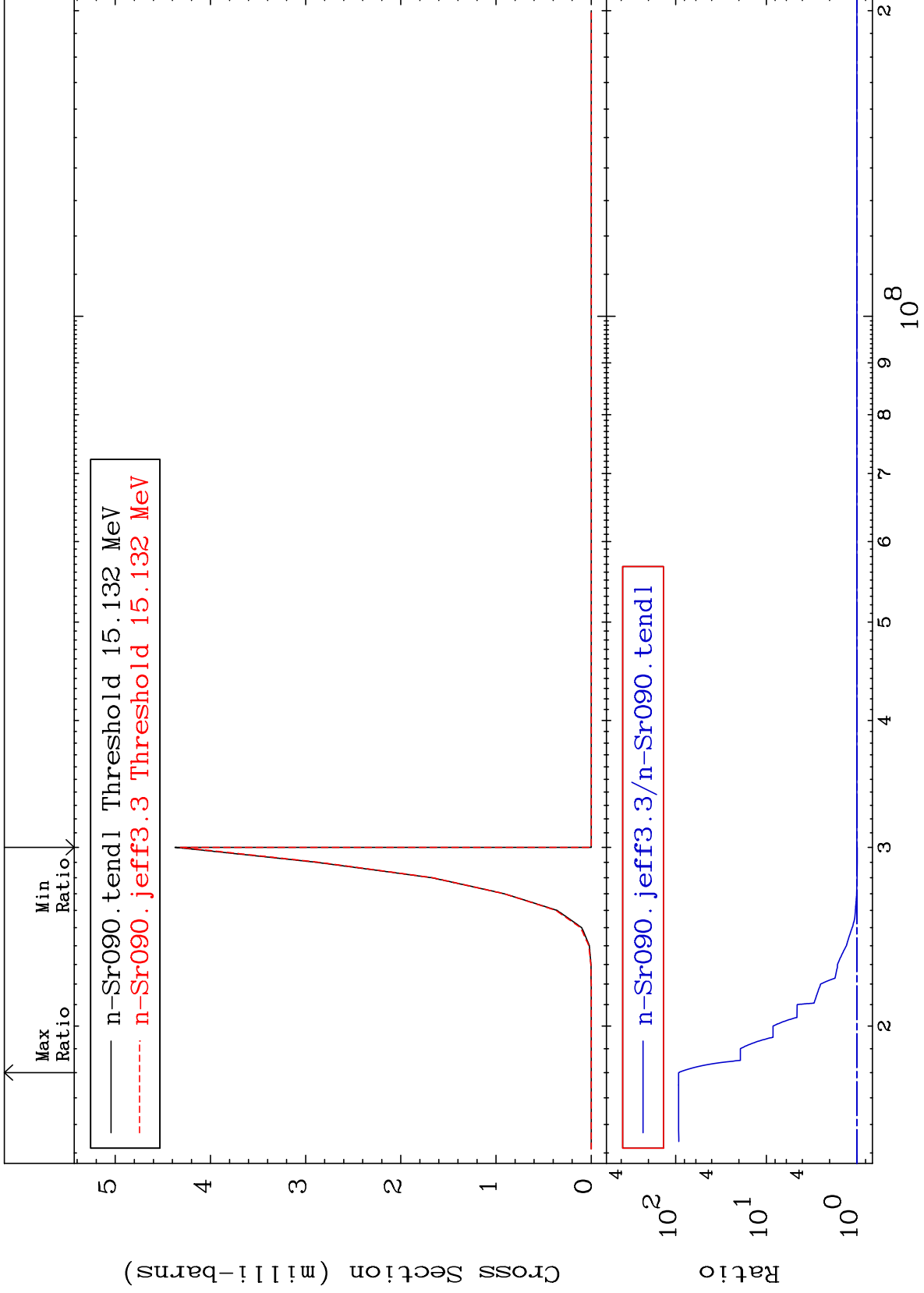
56

Incident Energy (eV)

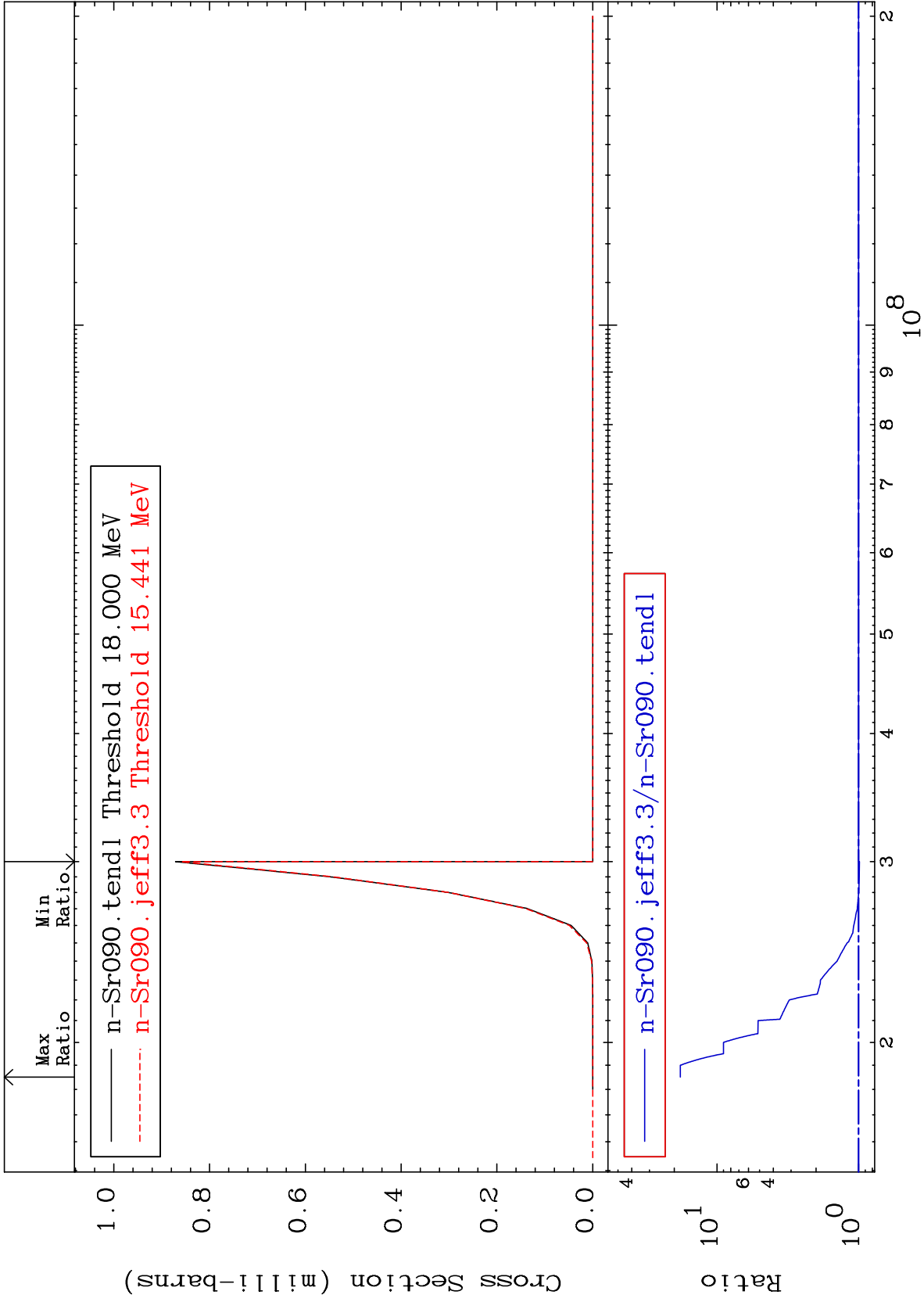
38-Sr-90







Radionuclide Production Cross Section -1.205 To 1714. %



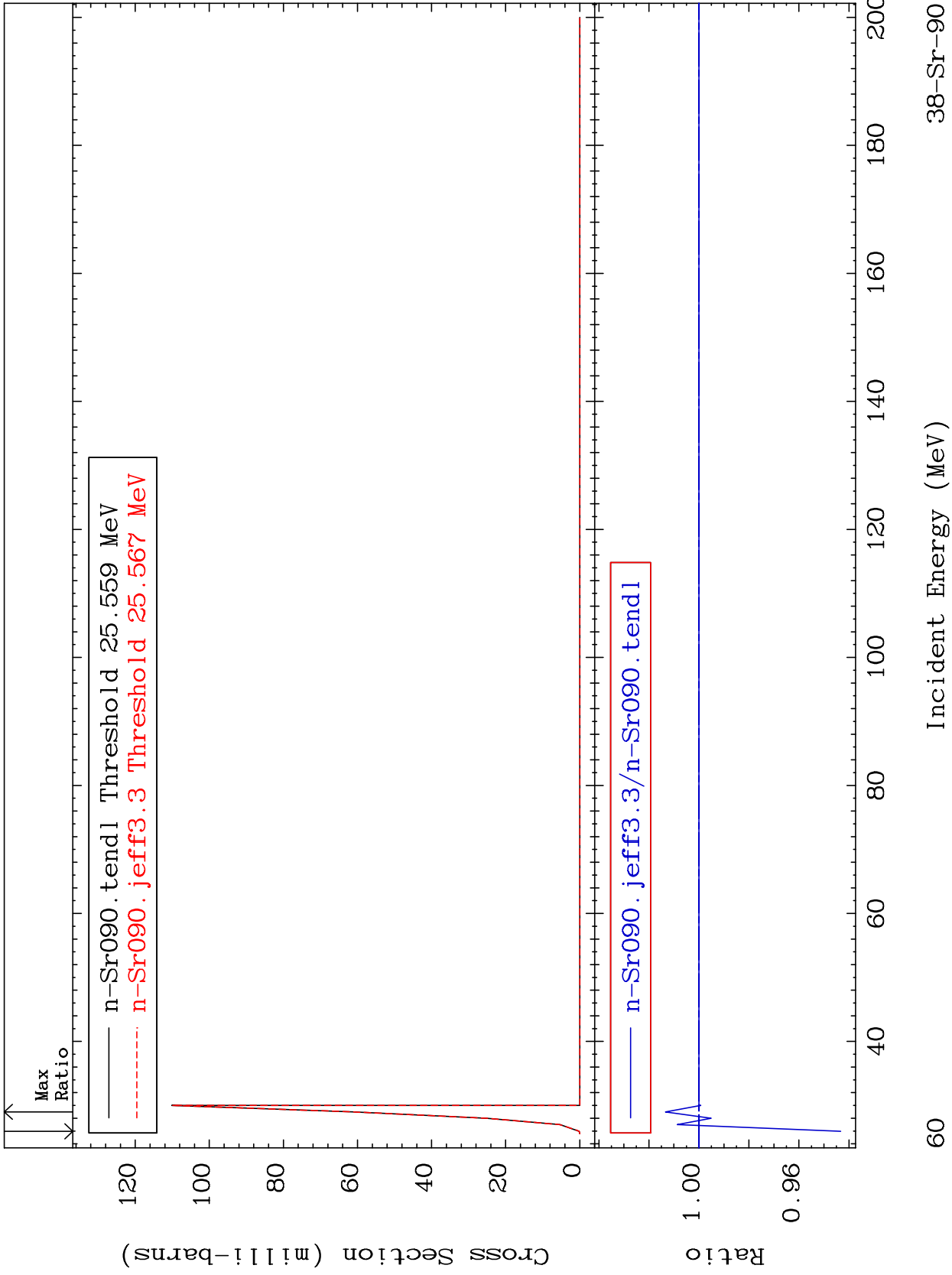
MAT 3843

(n, 4n) : 38-Sr-87g

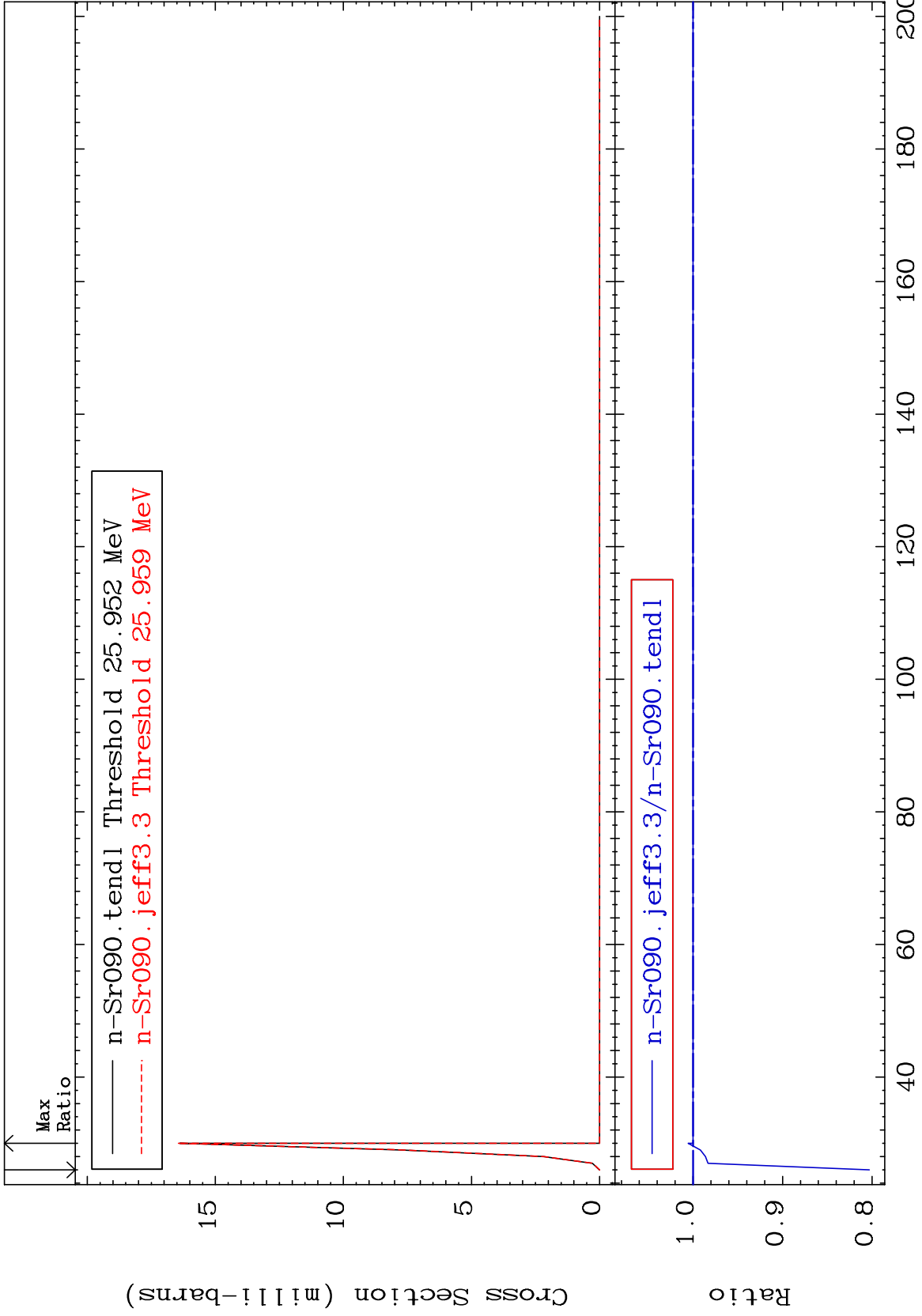
38-Sr-90

Radionuclide Production Cross Section

-5.668 To 1.336 %



Radionuclide Production Cross Section -19.69 To 0.541 %

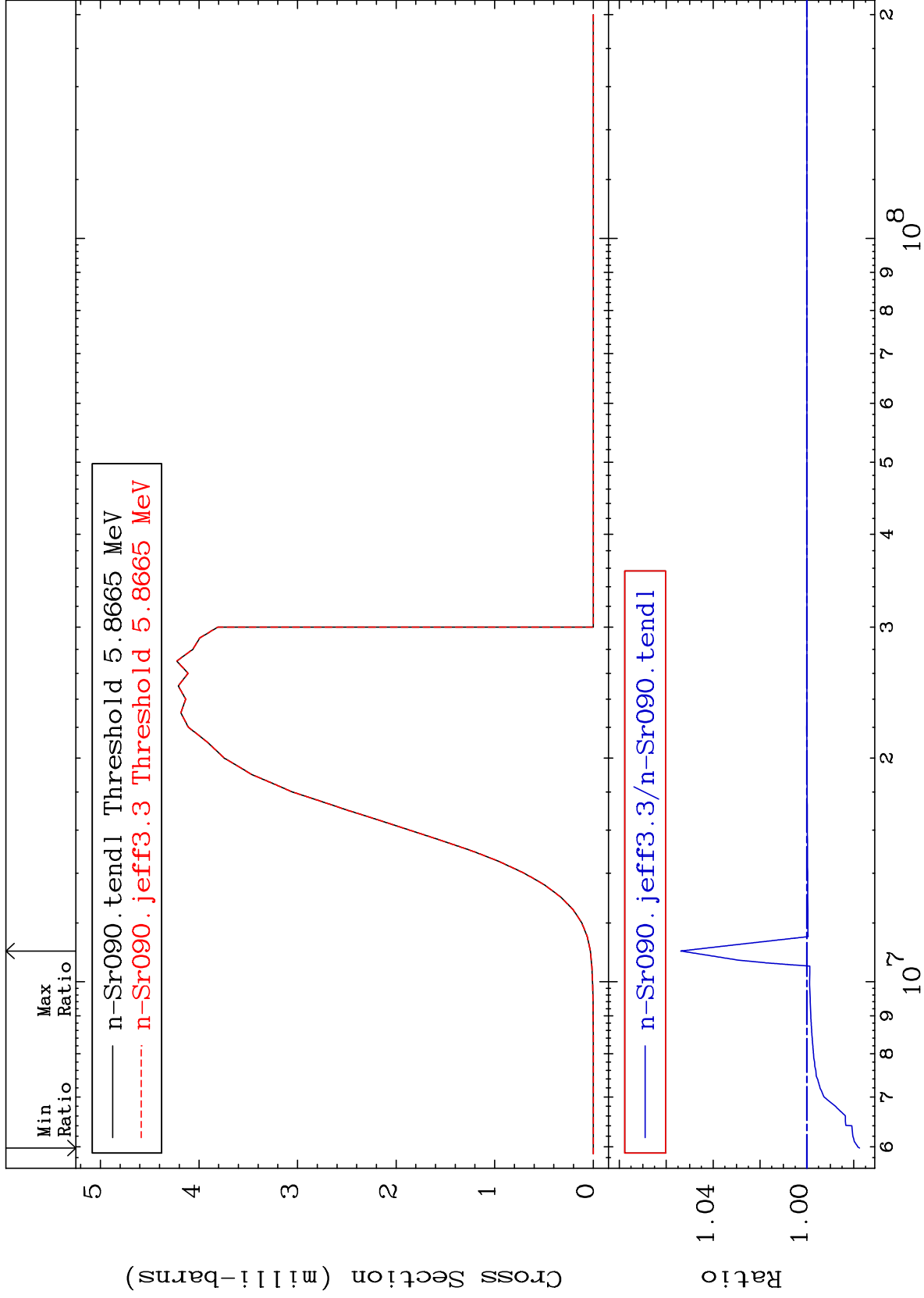


MAT 3843

(n, p) : 37-Rb-90g

38-Sr-90

Radionuclide Production Cross Section -2.245 To 5.379 %

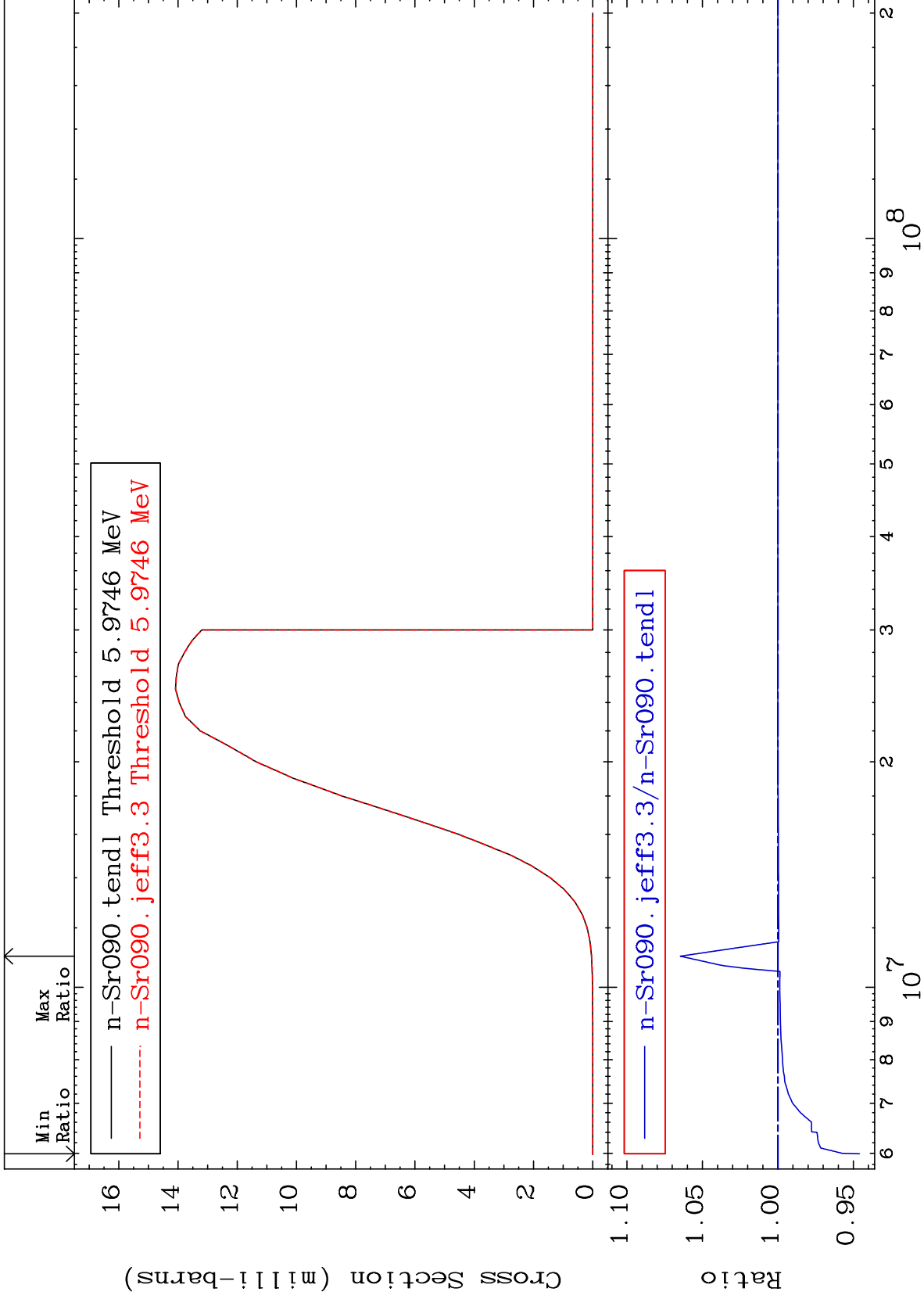


62

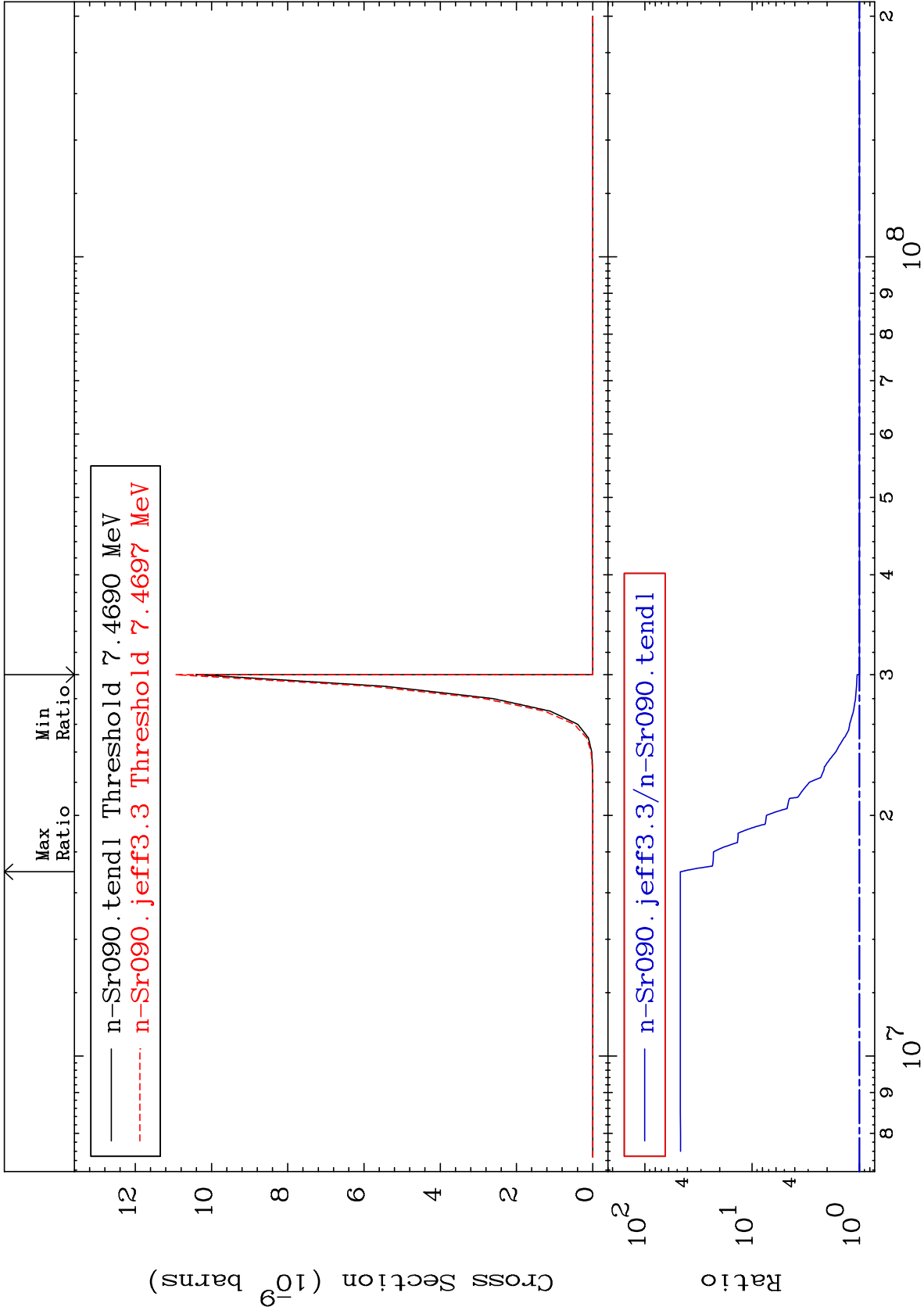
Incident Energy (eV)

38-Sr-90

Radionuclide Production Cross Section -5.401 To 6.465 %



Radionuclide Production Cross Section 0.000 To 4562. %



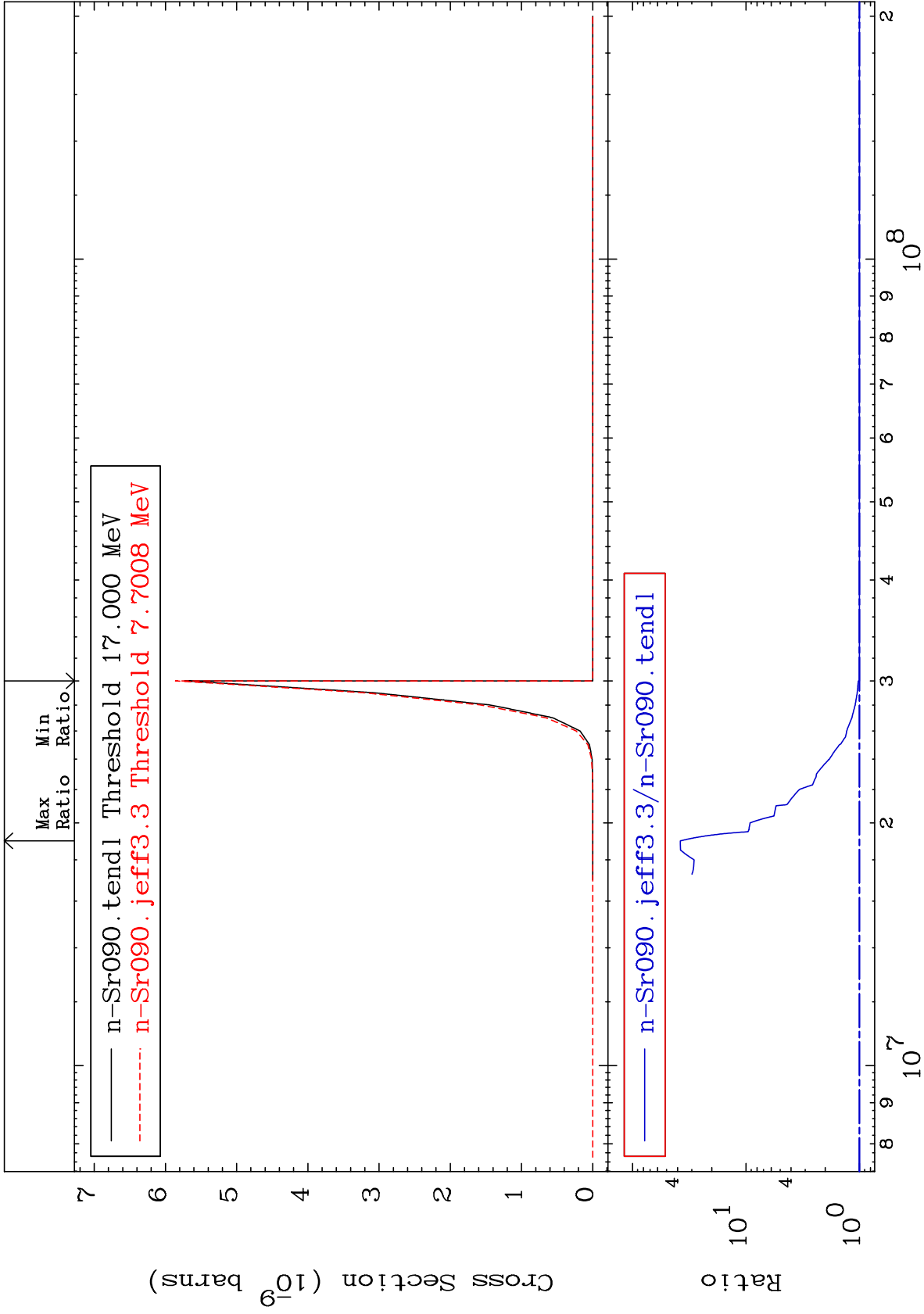


MAT 3843

(n,2α):34-Se-83m1

38-Sr-90

Radionuclide Production Cross Section 0.000 To 3684. %



65

Incident Energy (eV)

38-Sr-90