

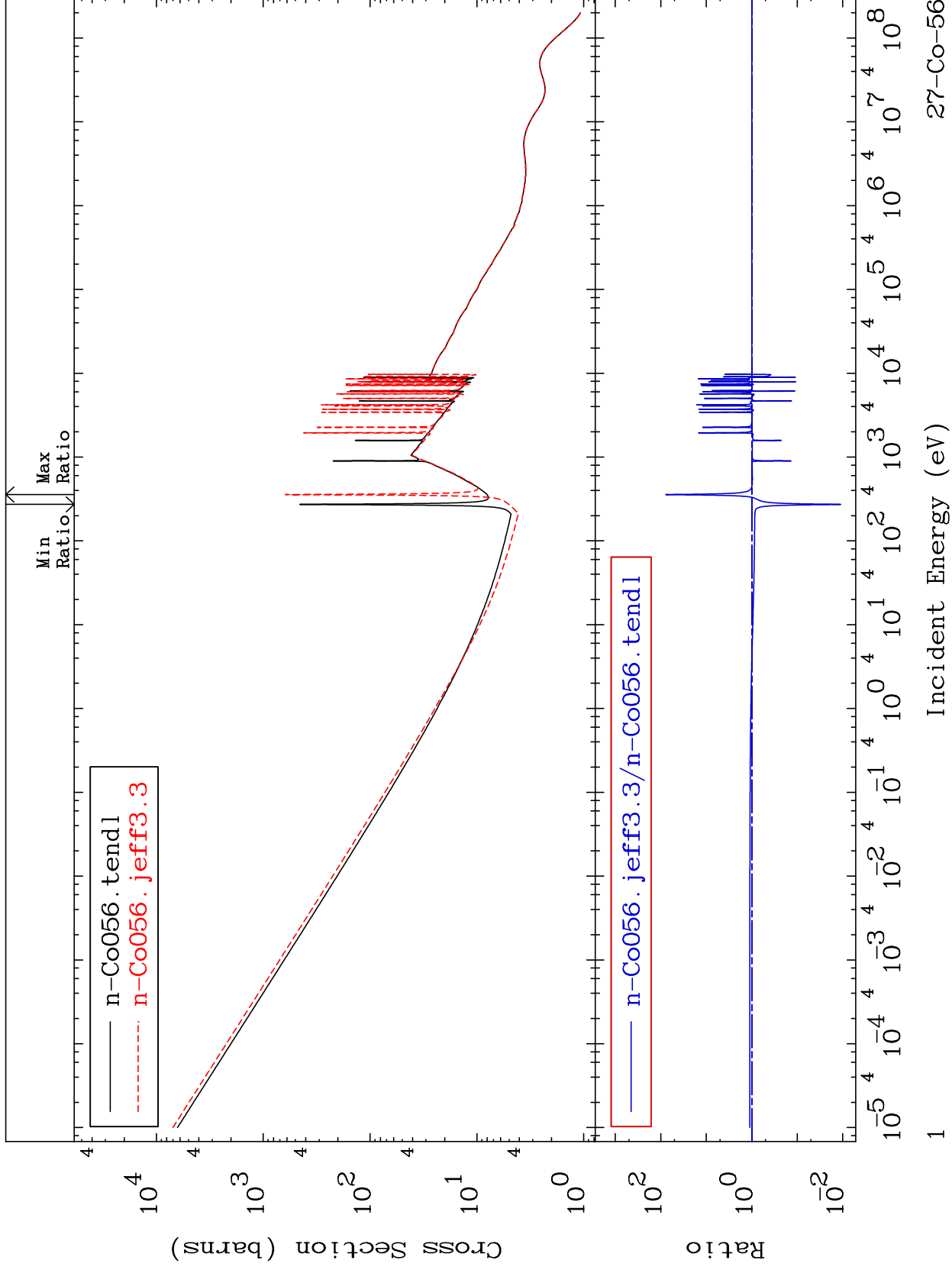
MAT 2716

Total

Cross Section

27-Co-56

-98.90 To 7601. %

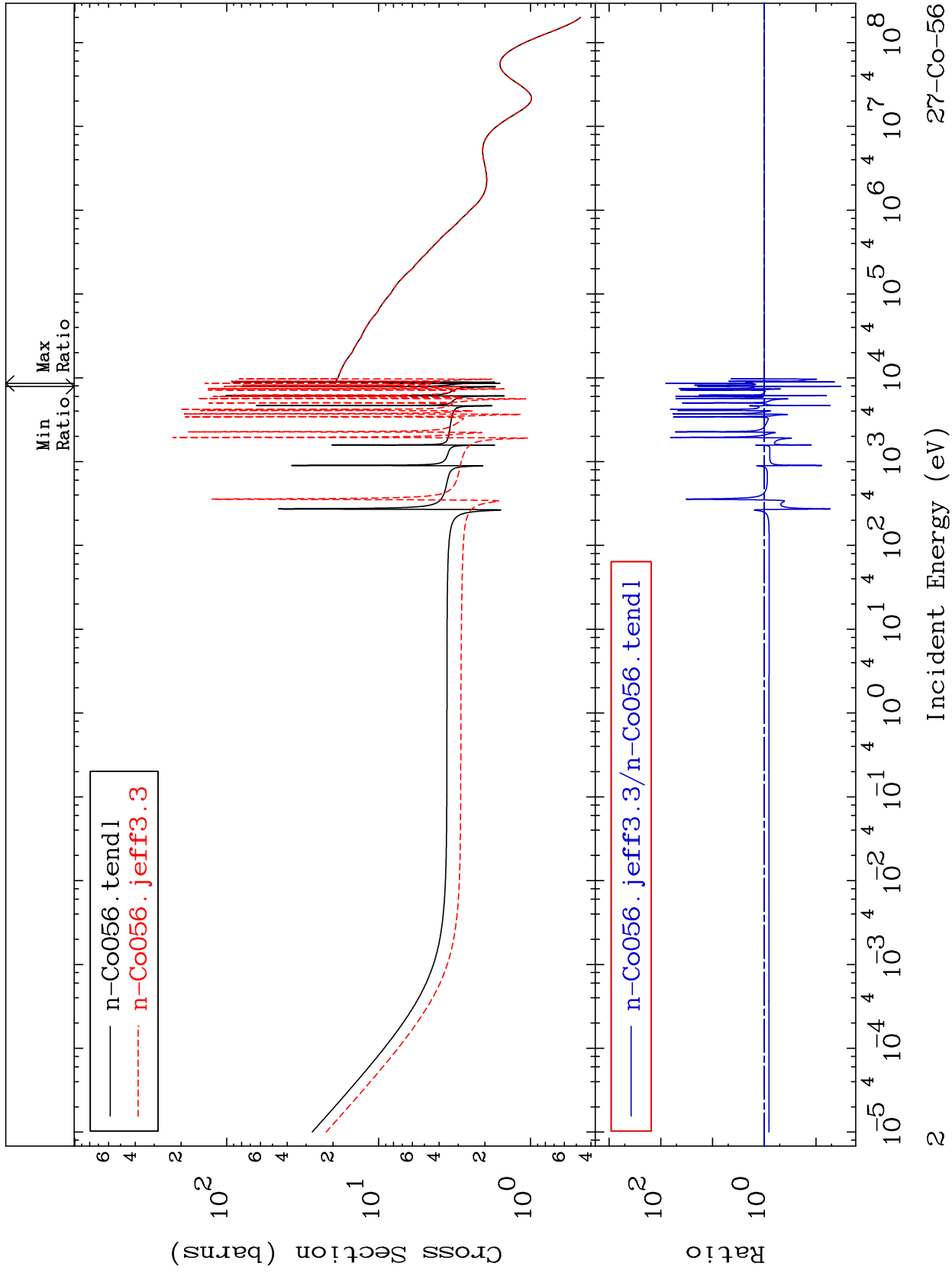


27-Co-56

MAT 2716

Elastic  
Cross Section

27-Co-56  
-96.70 To 7868. %



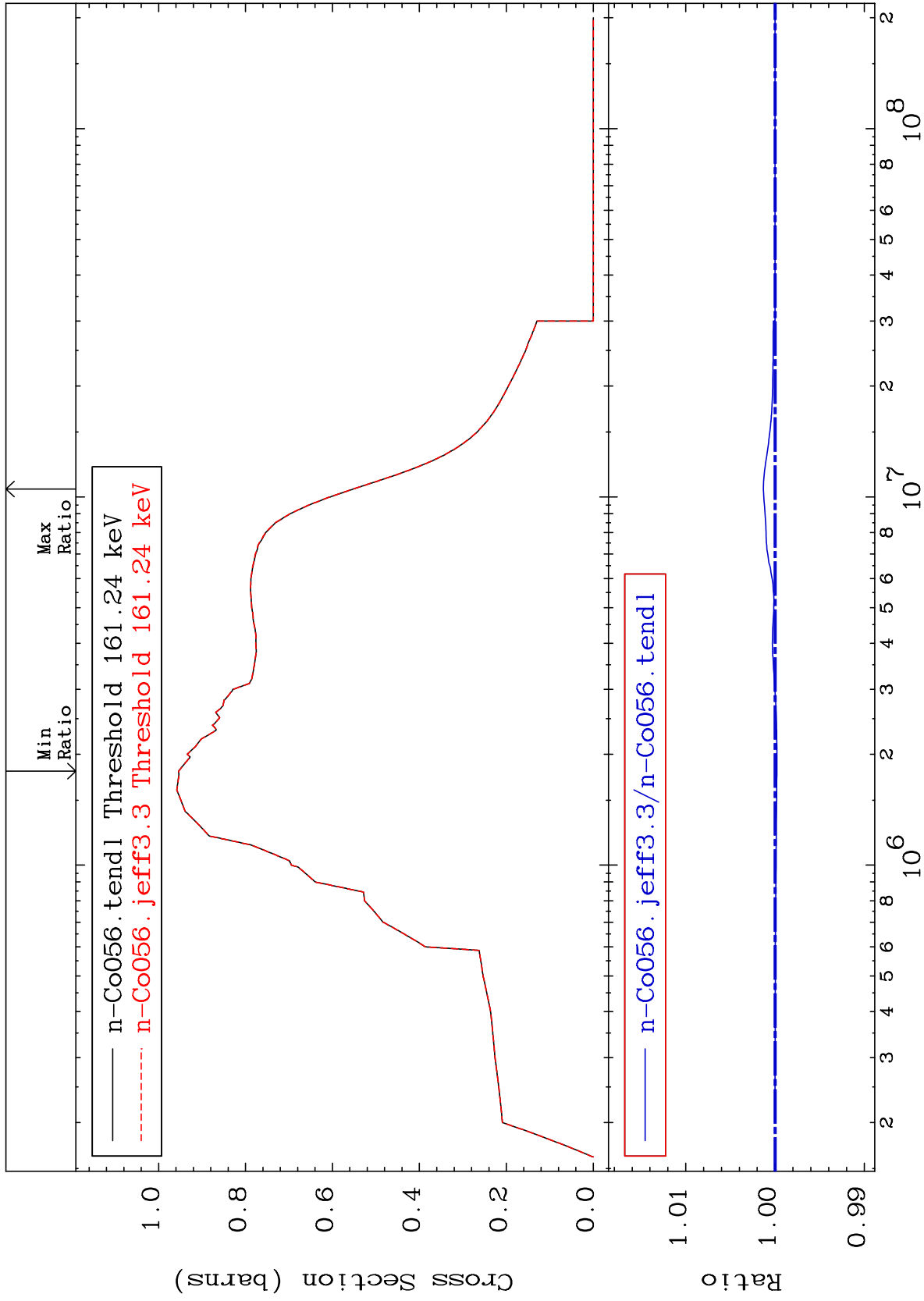
27-Co-56

MAT 2716

<sup>27</sup>Co-56

-0.020 To 0.130 %

Inelastic  
Cross Section



3

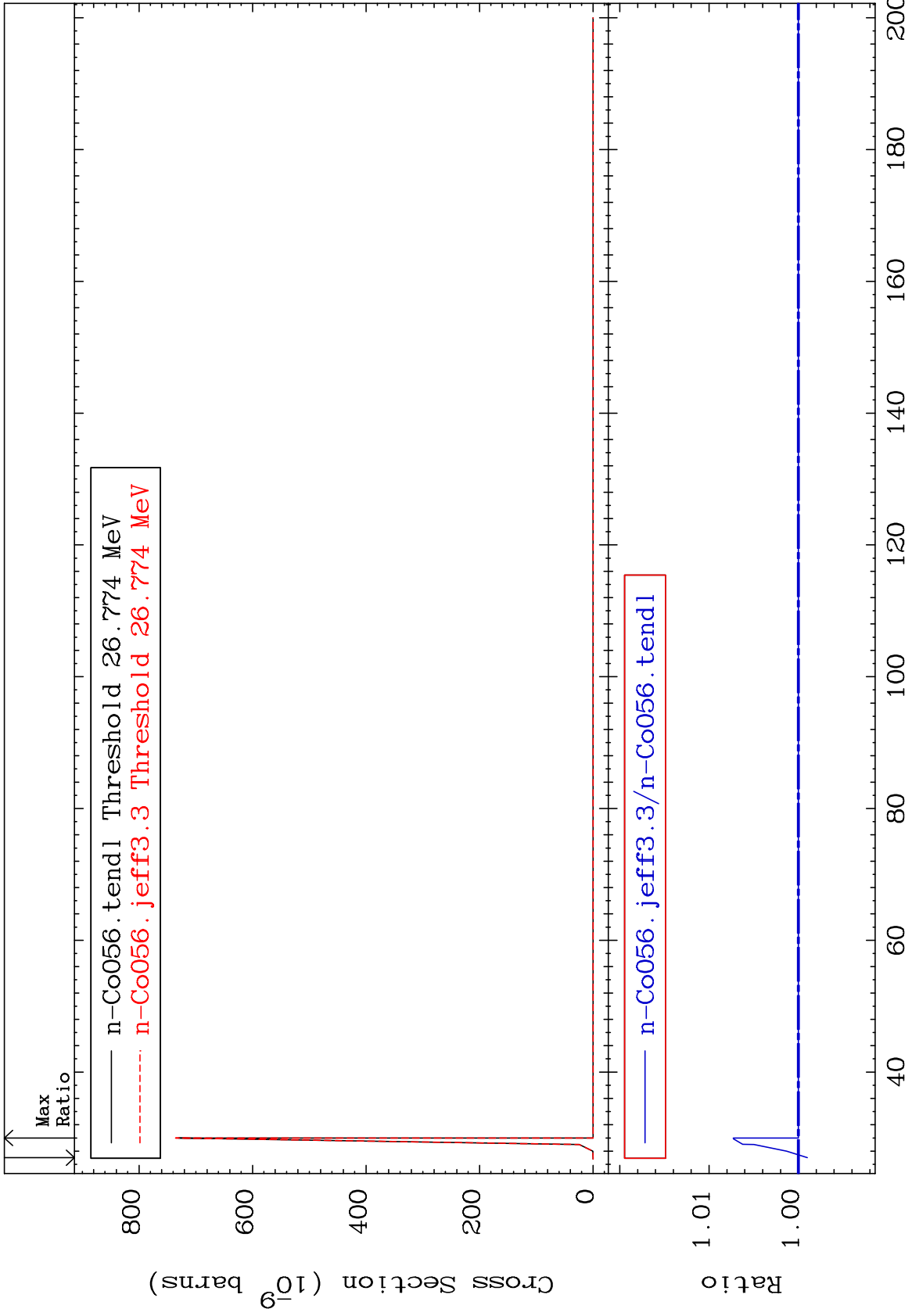
Incident Energy (eV)

<sup>27</sup>Co-56

MAT 2716

(n,2n) d  
Cross Section

27-Co-56  
-0.100 To 0.728 %



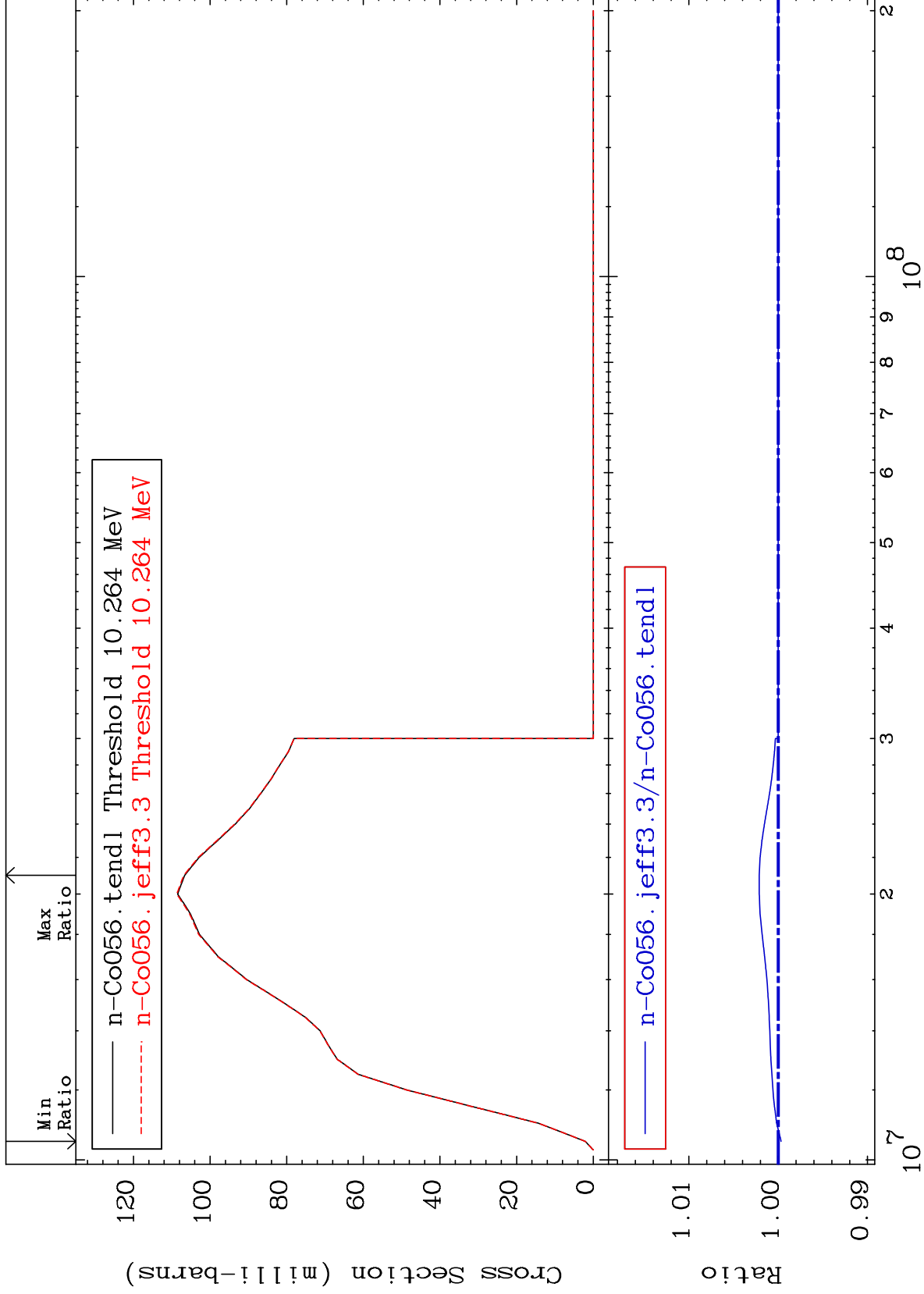
MAT 2716

(n,2n)

27-Co-56

Cross Section

-0.032 To 0.213 %



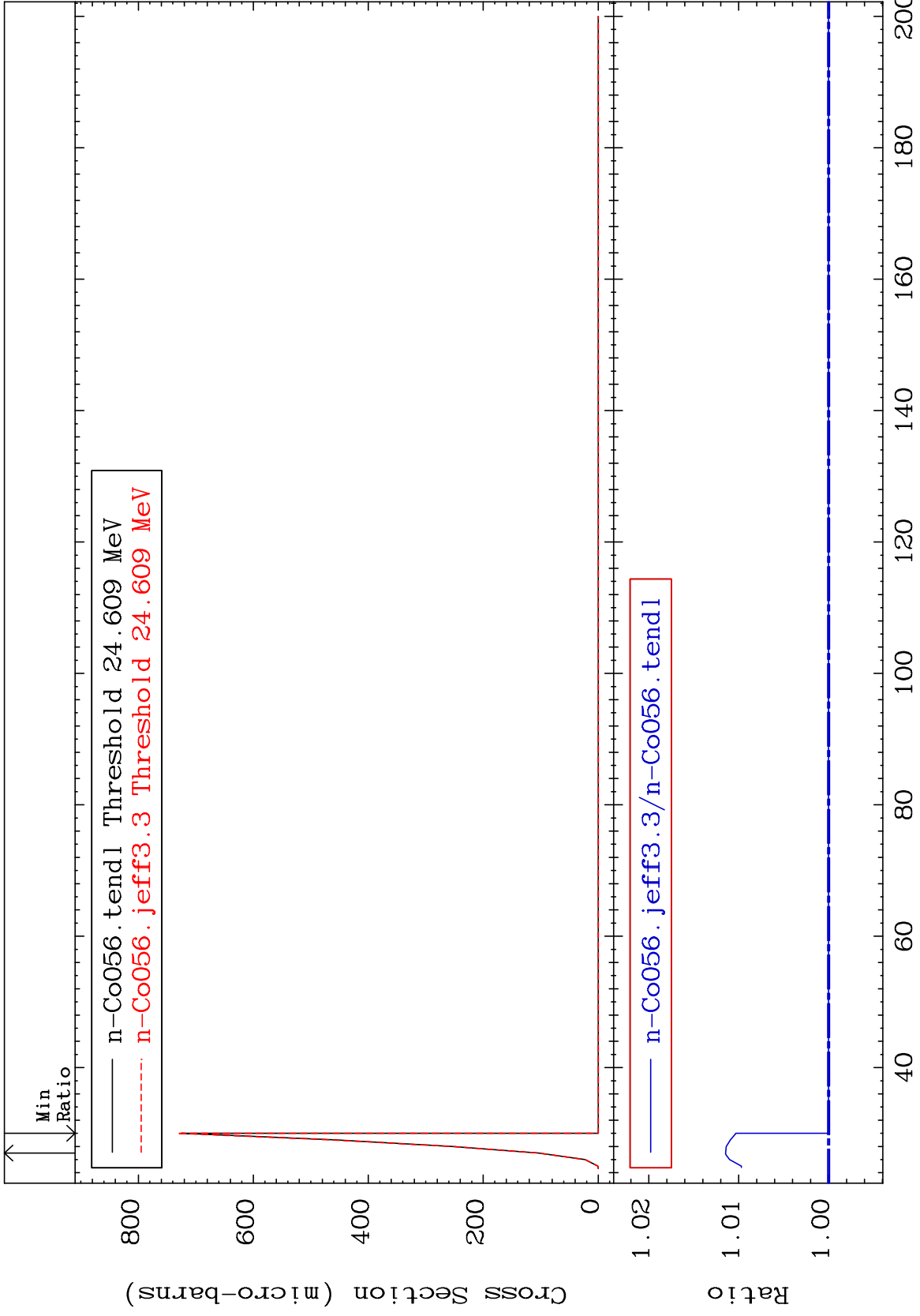
MAT 2716

(n,3n)

<sup>27</sup>Co-56

Cross Section

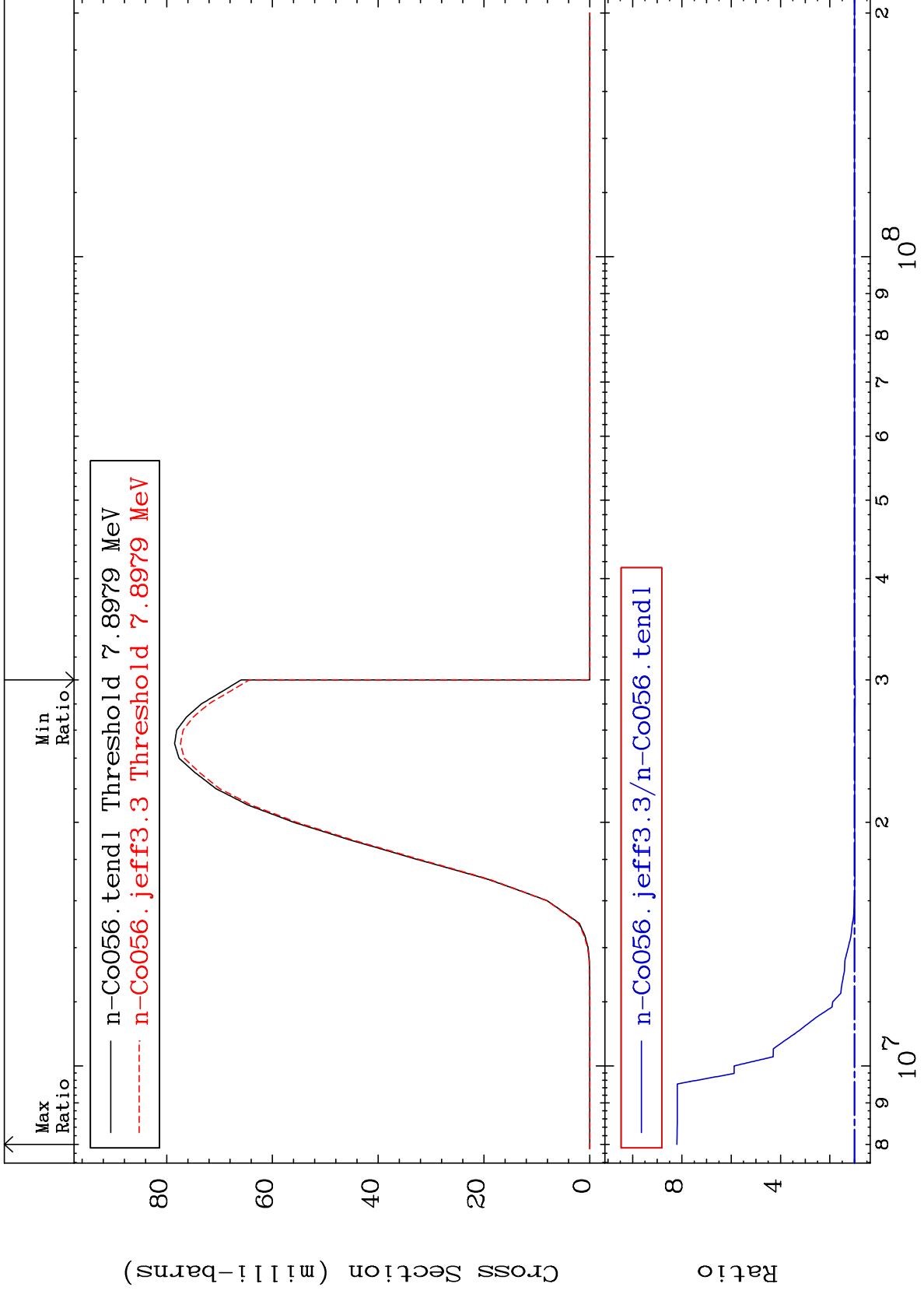
0.000 To 1.146 %



MAT 2716

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

27-Co-56  
-2.329 To 720.2 %



7

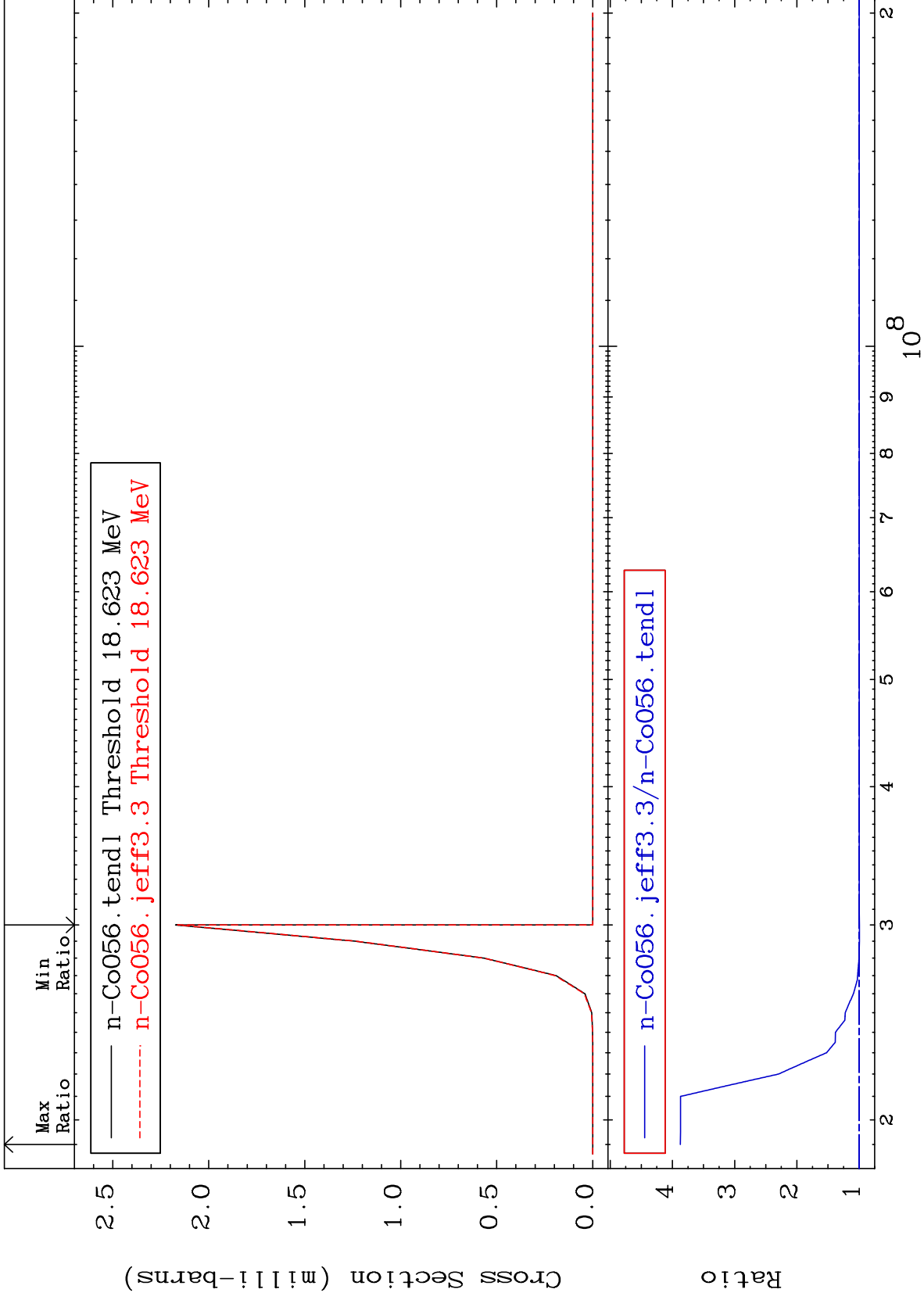
Incident Energy (eV)

27-Co-56

MAT 2716

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

27-Co-56  
-0.508 To 287.2 %



8

27-Co-56

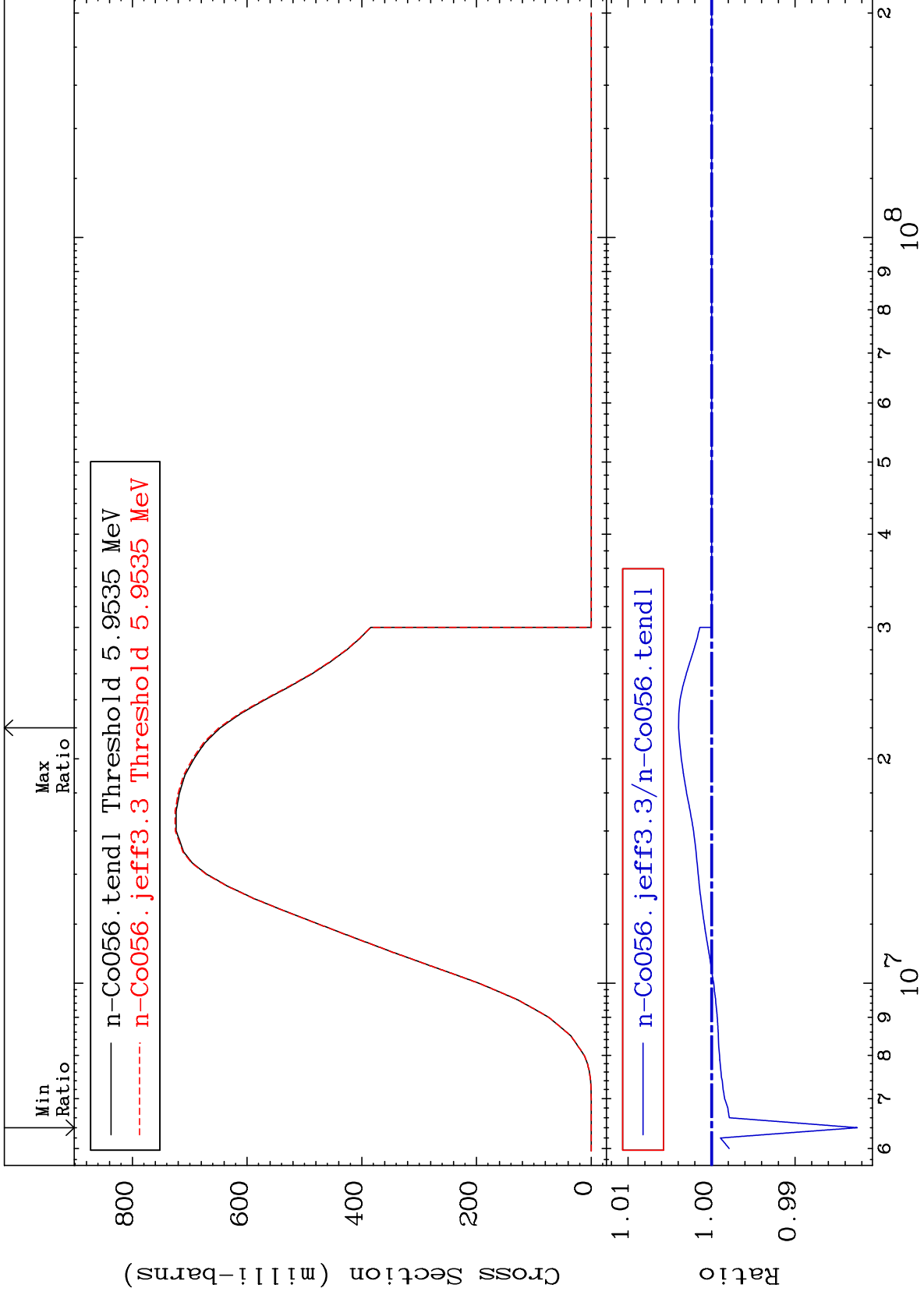
27-Co-56



MAT 2716

(n,n') p  
Cross Section

27-Co-56  
-1.745 To 0.395 %



9

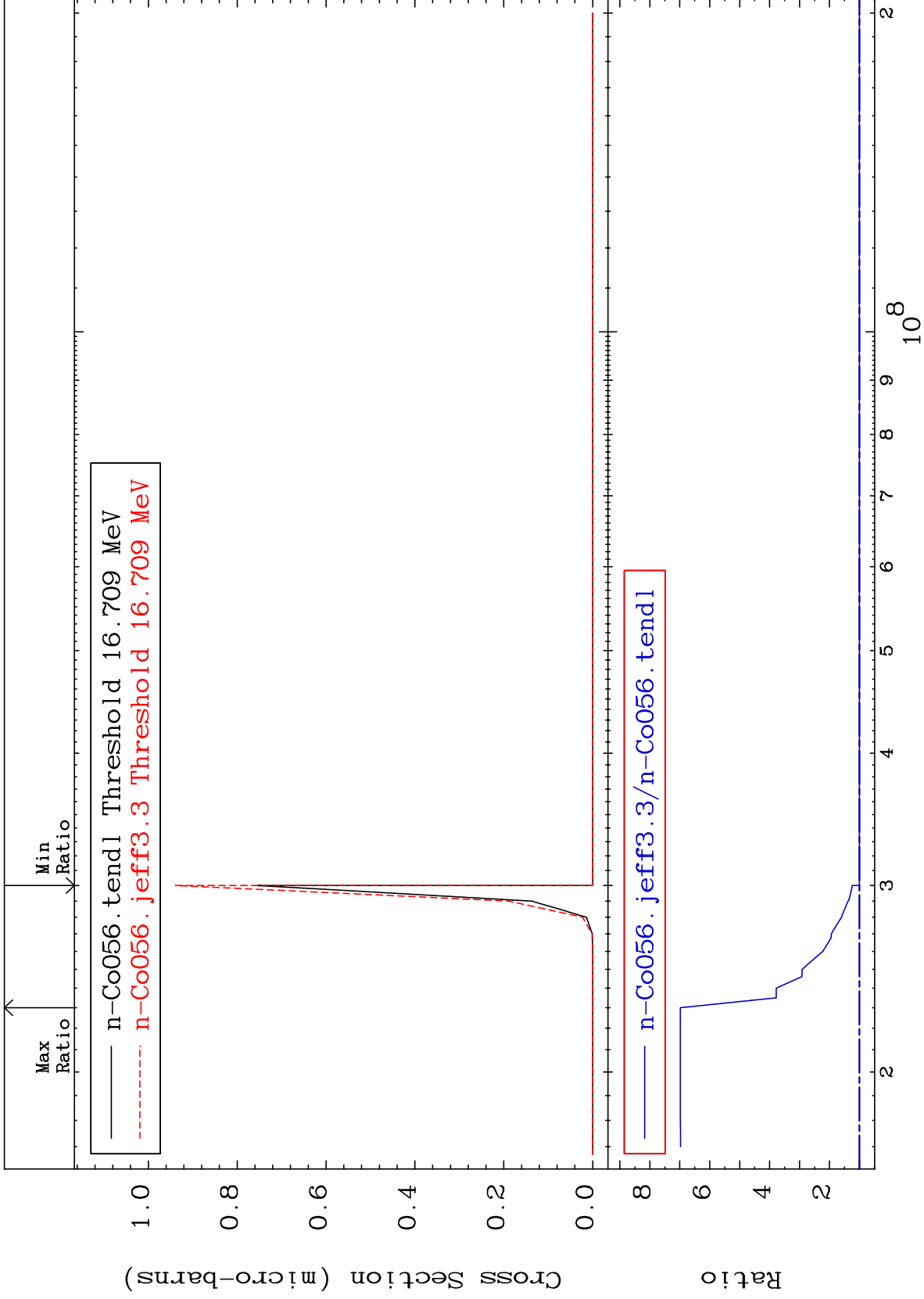
Incident Energy (eV)

27-Co-56

MAT 2716

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

27-Co-56  
0.000 To 598.1 %



10

Incident Energy (eV)

27-Co-56

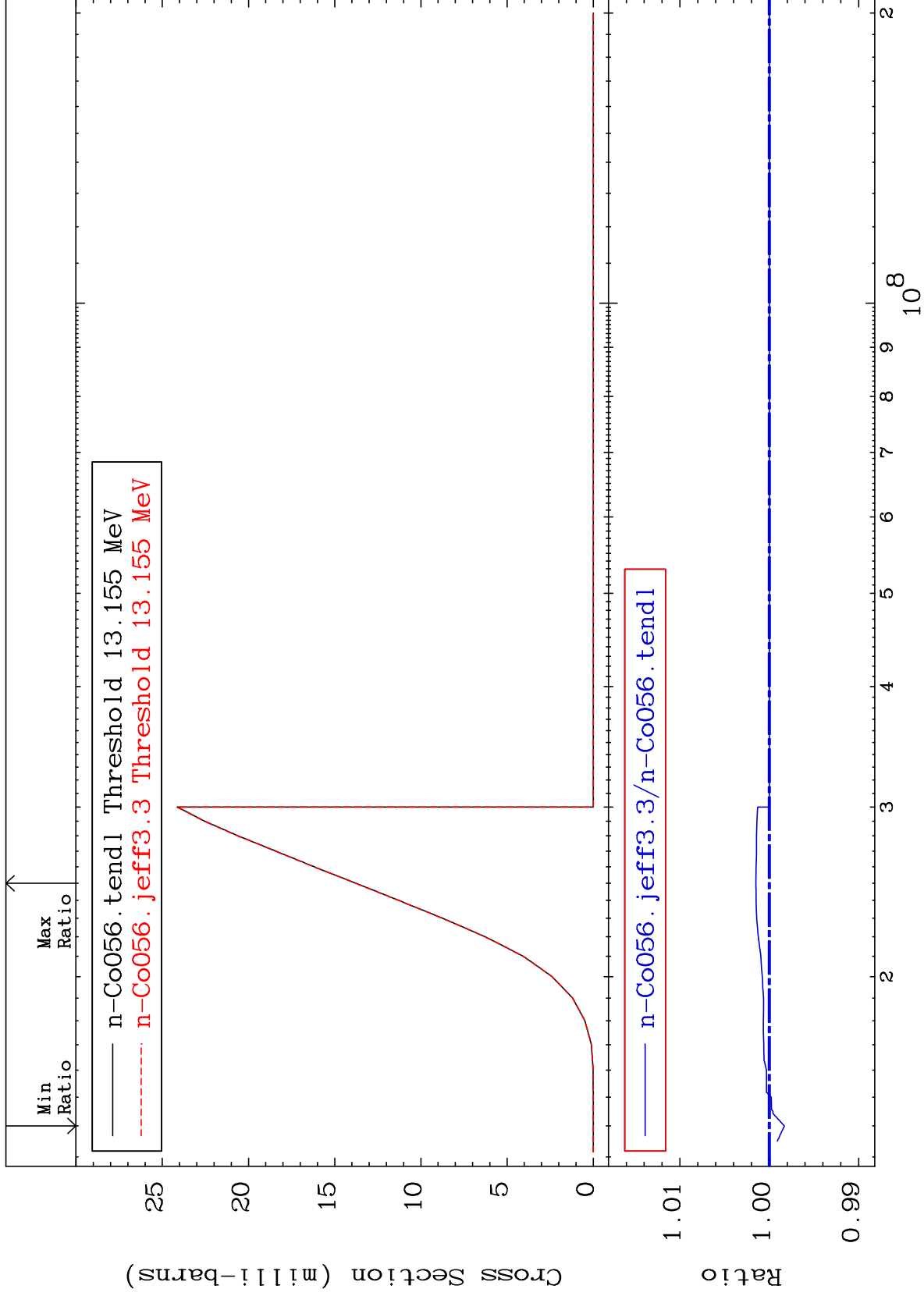
MAT 2716

(n,n') d

27-Co-56

Cross Section

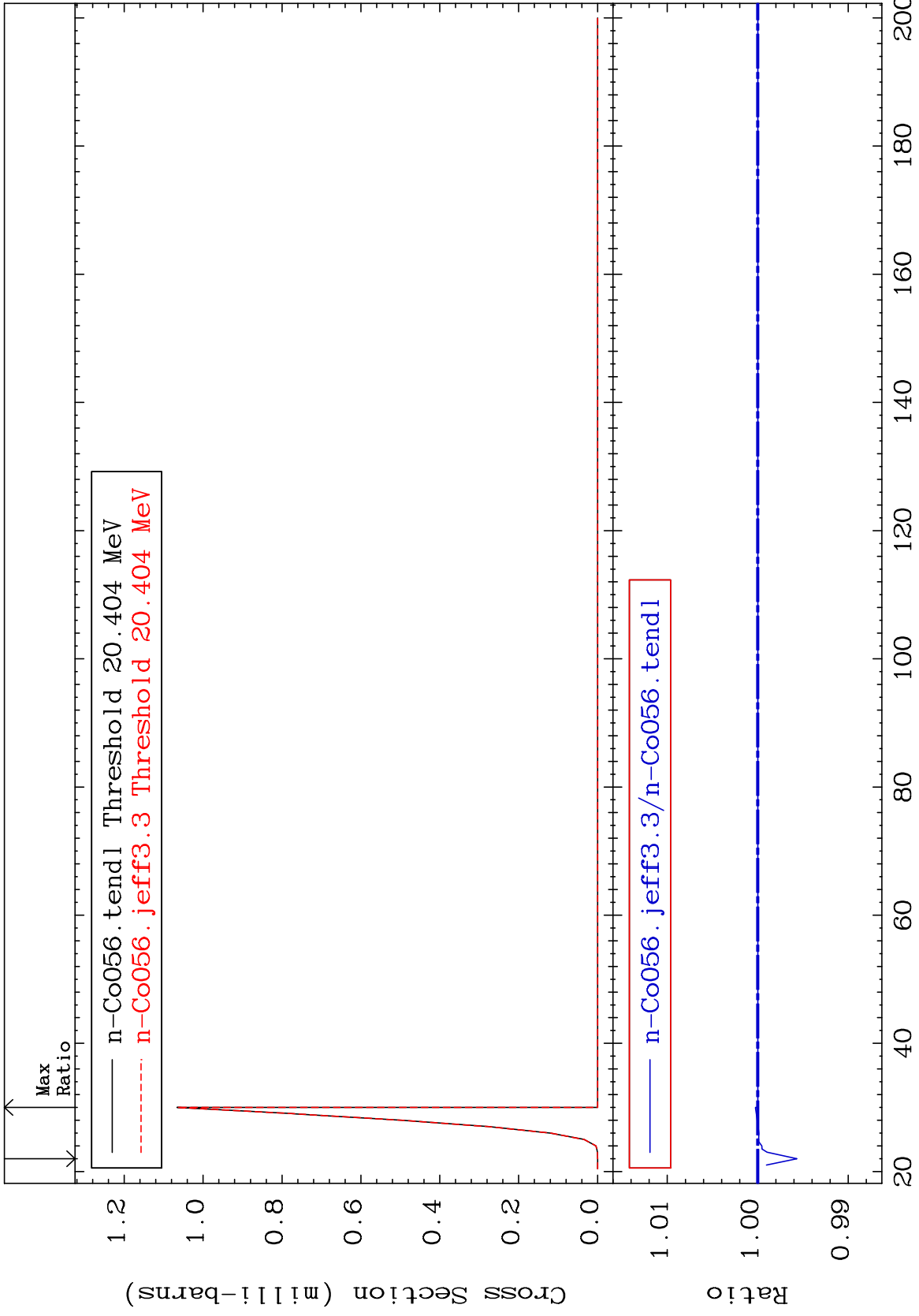
-0.168 To 0.150 %



MAT 2716

(n,n') t  
Cross Section

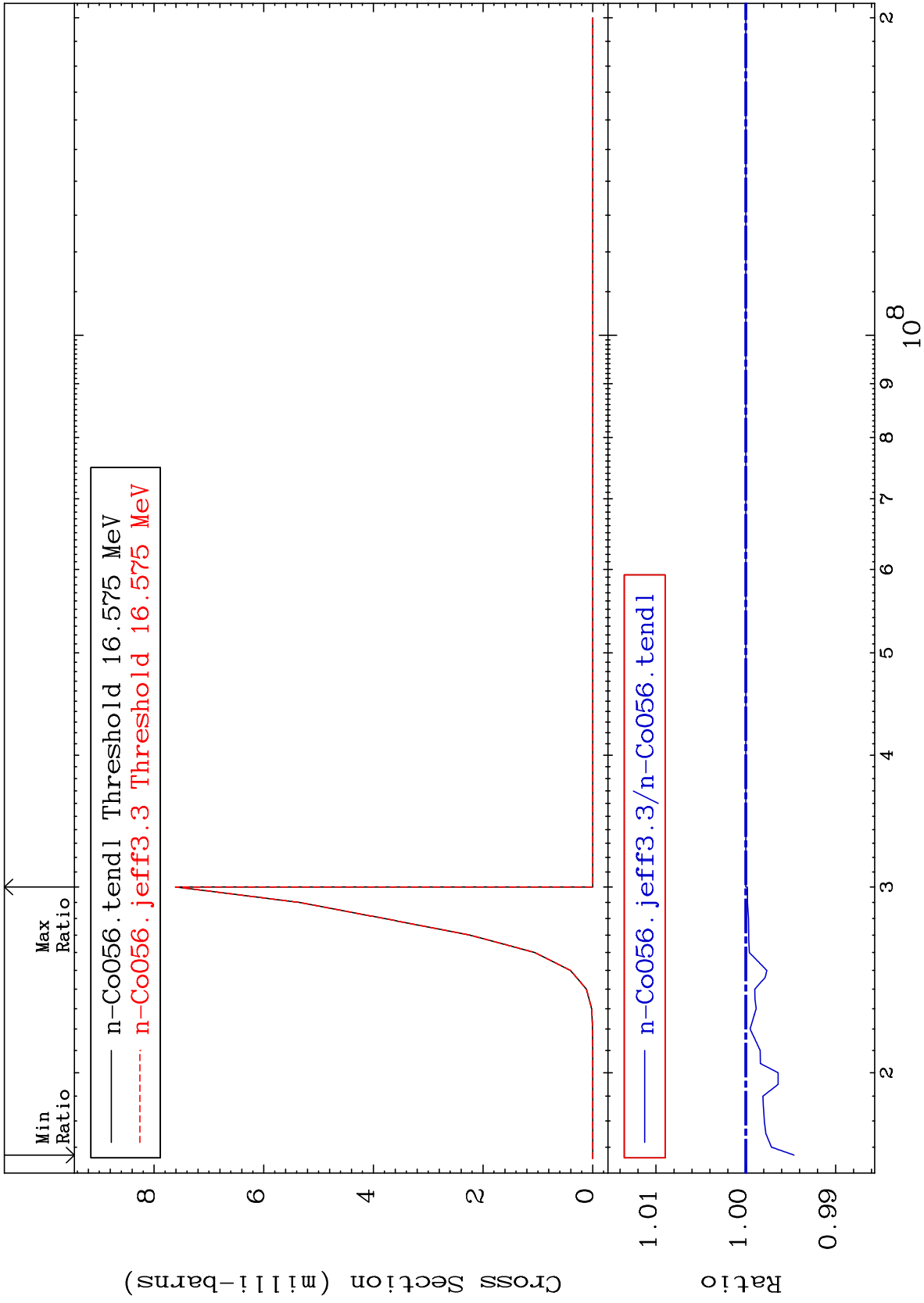
27-Co-56  
-0.434 To 0.025 %



MAT 2716

(n, n') He-3  
Cross Section

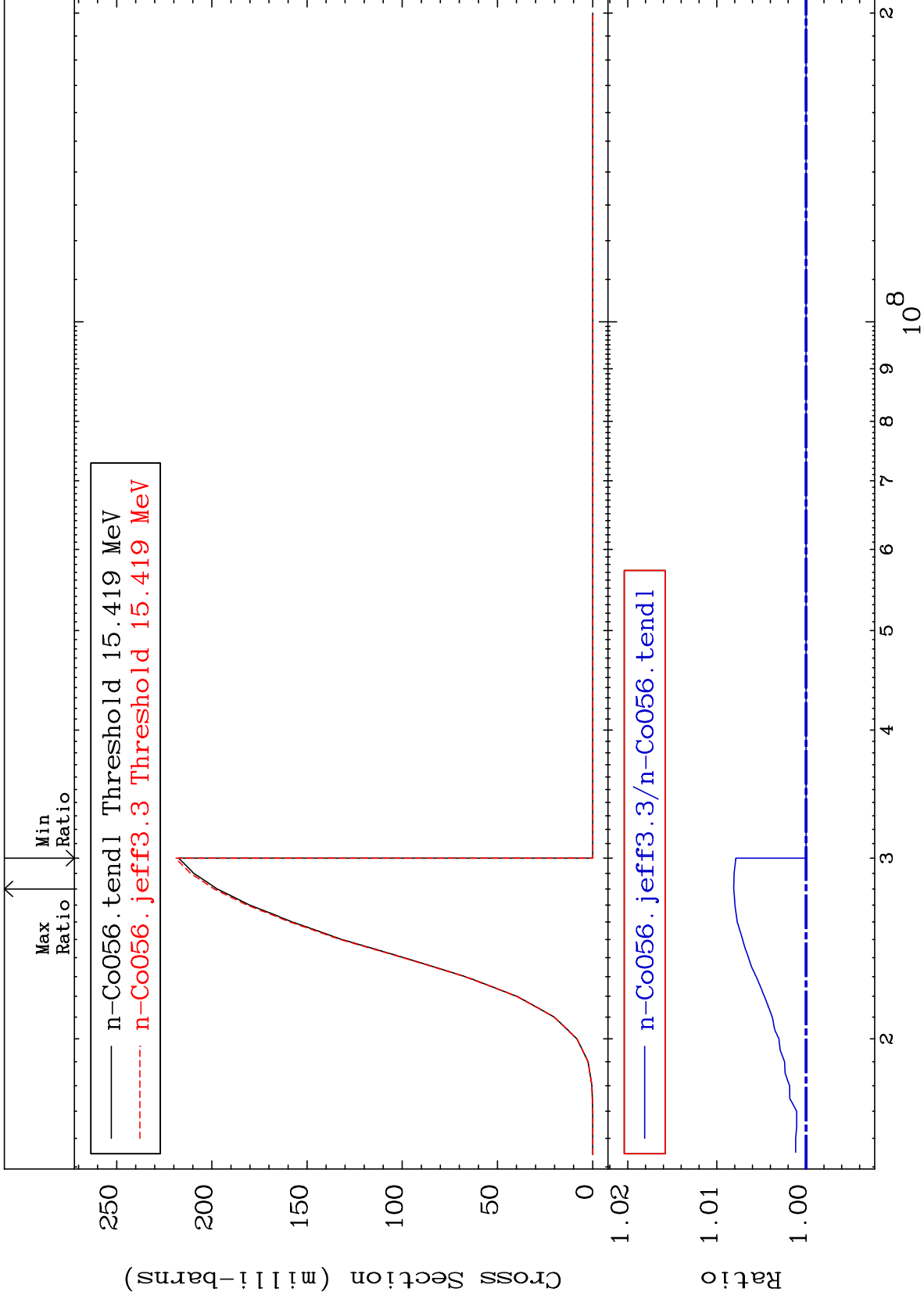
27-Co-56  
-0.537 To 0.000 %



MAT 2716

(n,2n) p  
Cross Section

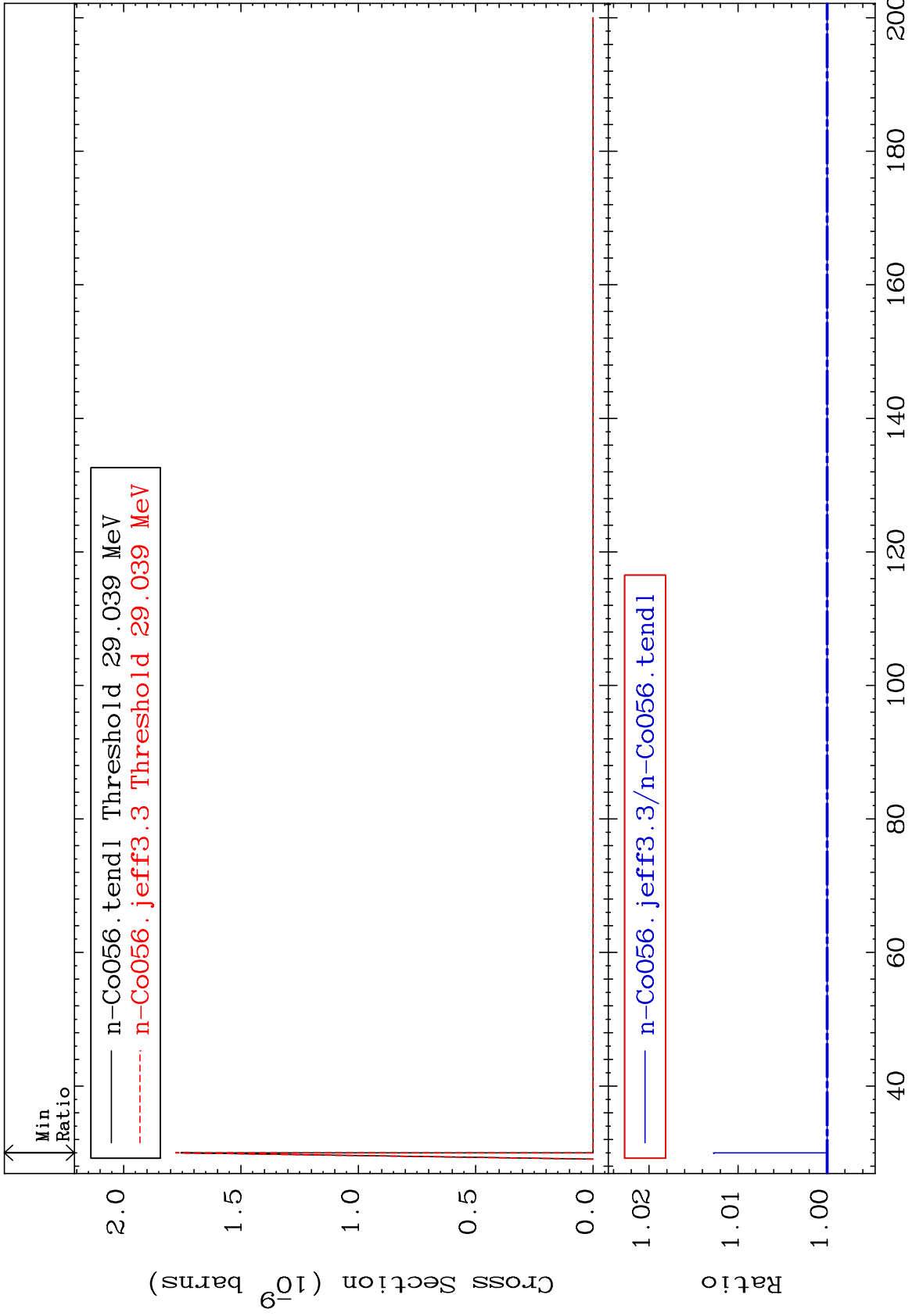
27-Co-56  
0.000 To 0.811 %



MAT 2716

(n,3n) p  
Cross Section

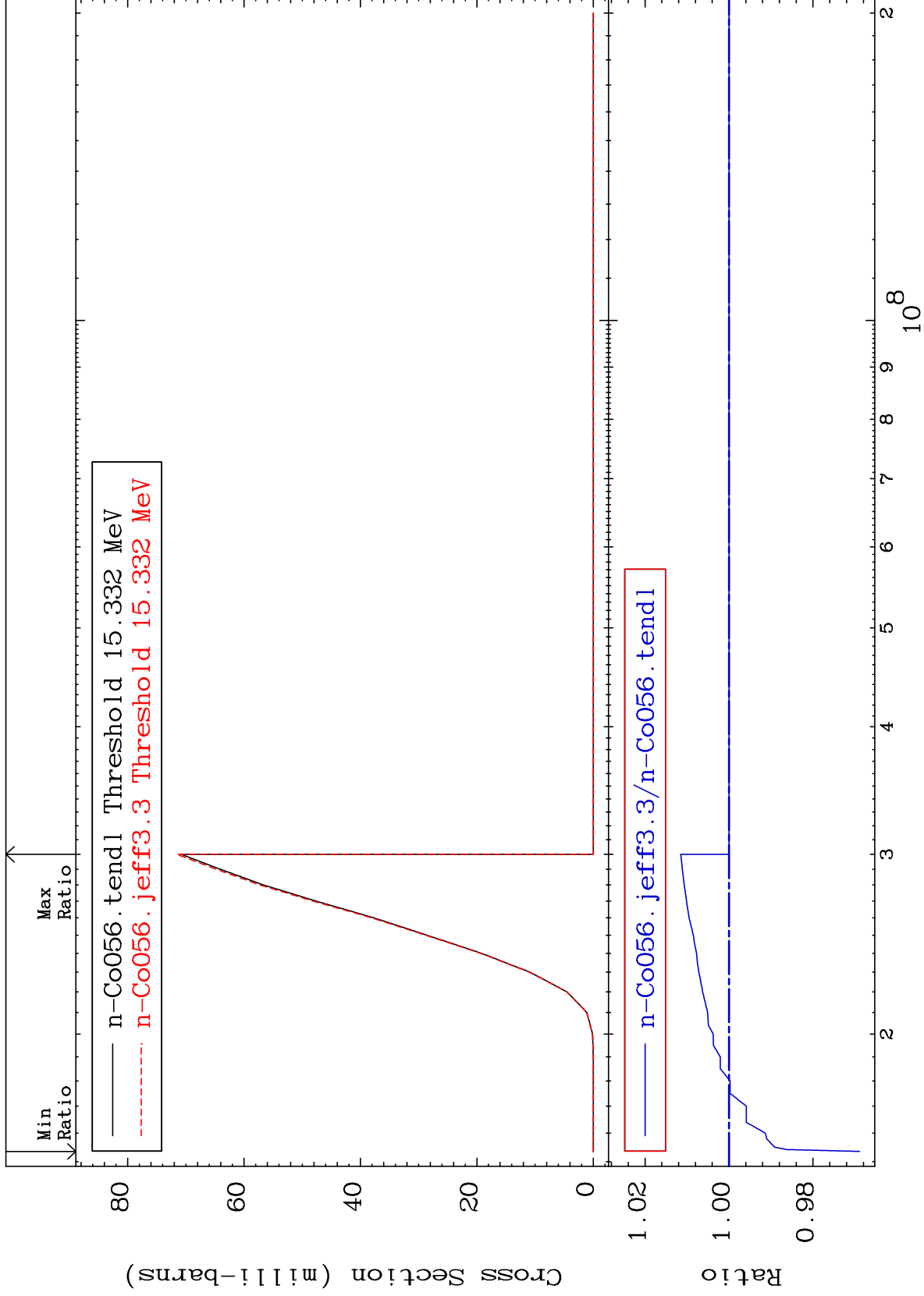
27-Co-56  
0.000 To 1.276 %



MAT 2716

(n,2n) p  
Cross Section

<sup>27</sup>Co-56  
-3.108 To 1.149 %

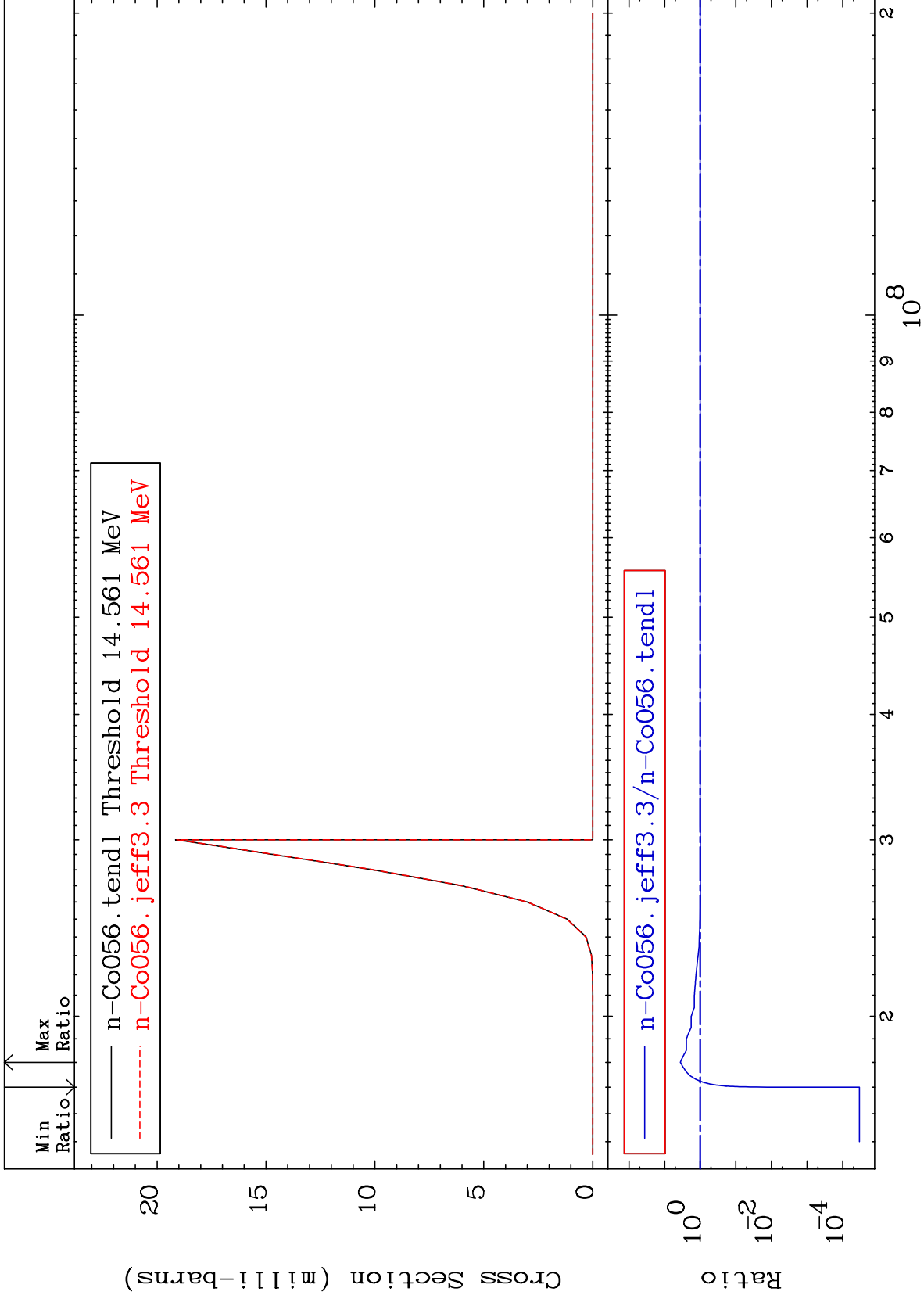


16

Incident Energy (eV)

<sup>27</sup>Co-56

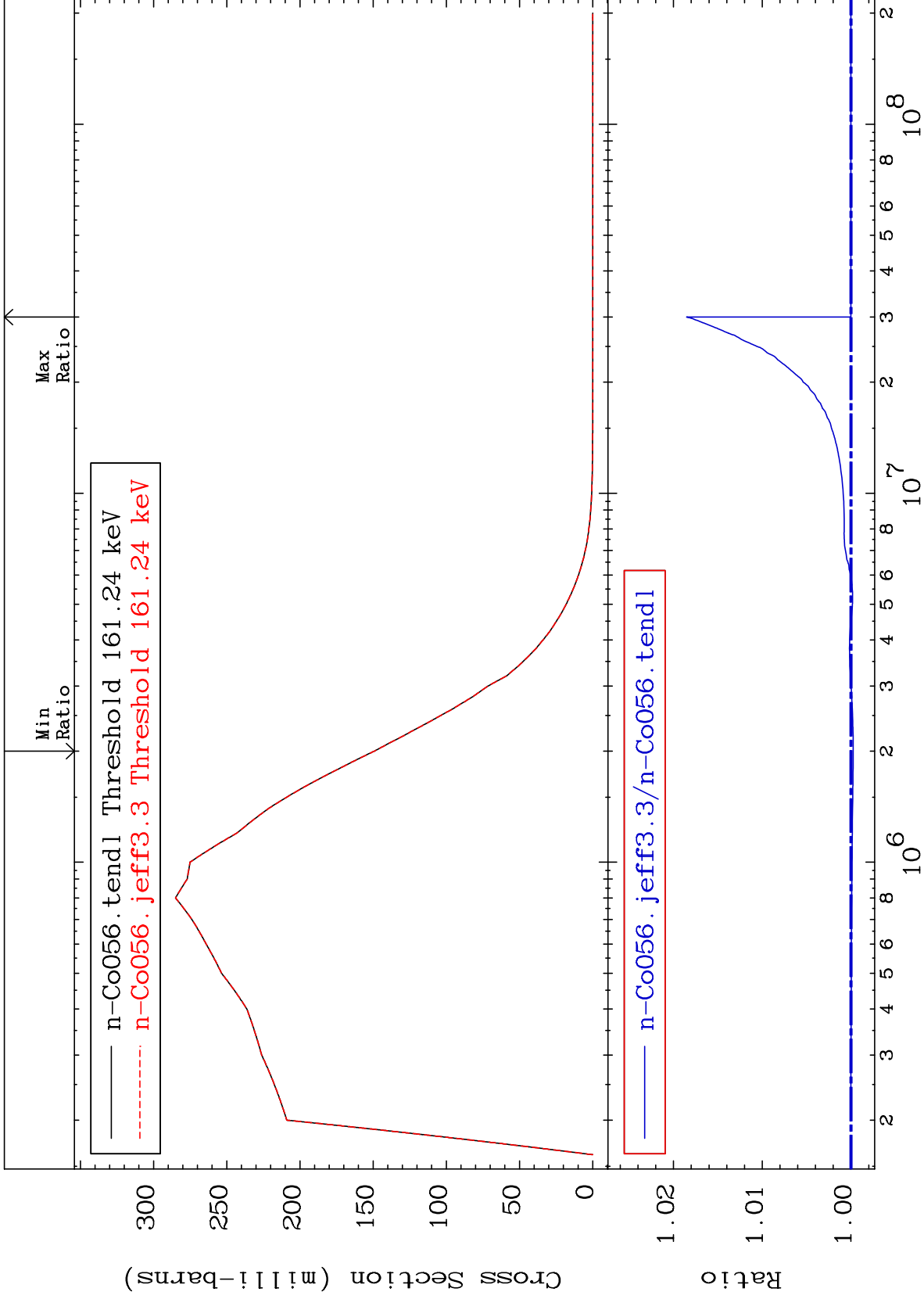




MAT 2716

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

27-Co-56  
-0.025 To 1.852 %



18

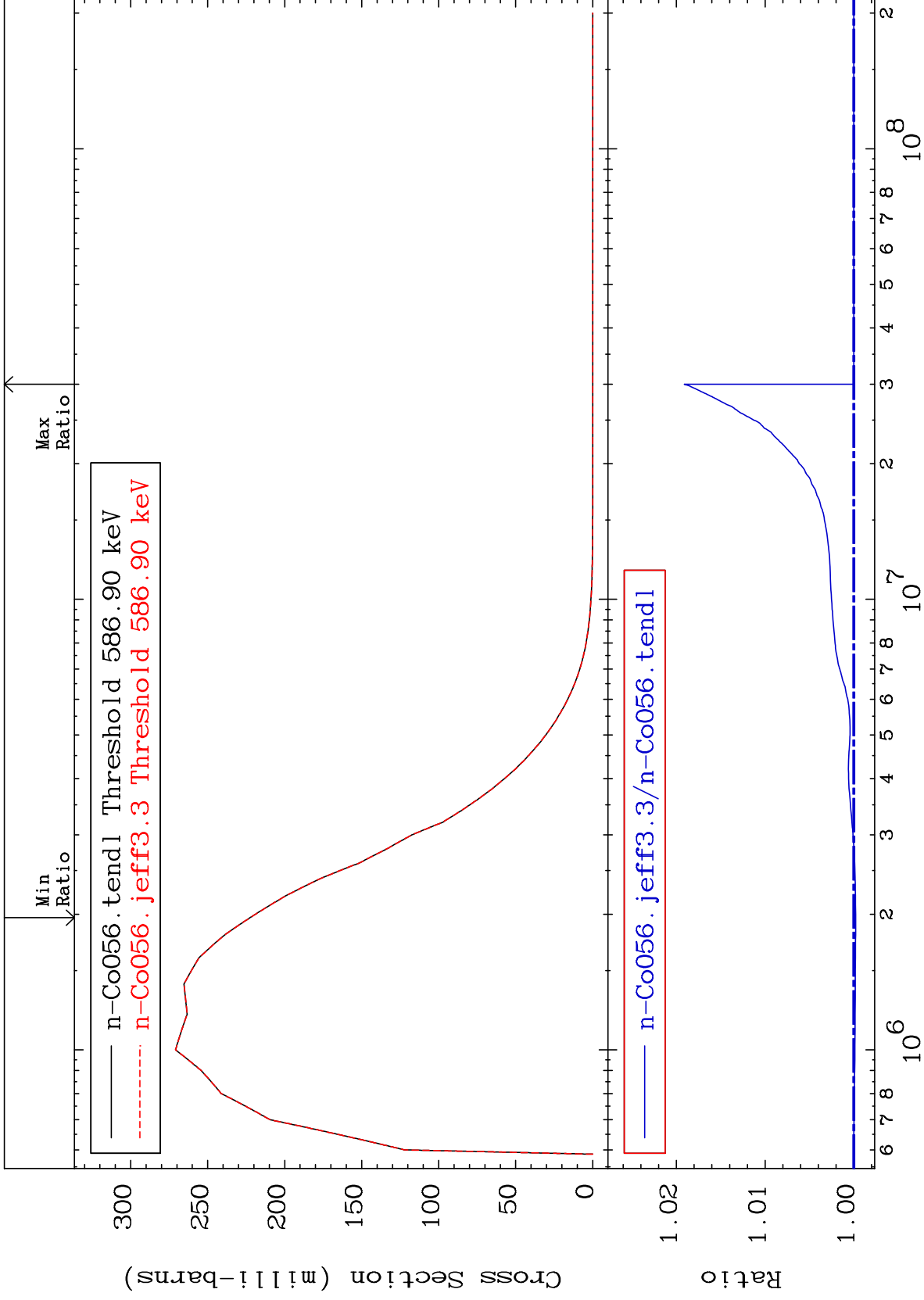
Incident Energy (eV)

27-Co-56

MAT 2716

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

27-Co-56  
-0.020 To 1.912 %



19

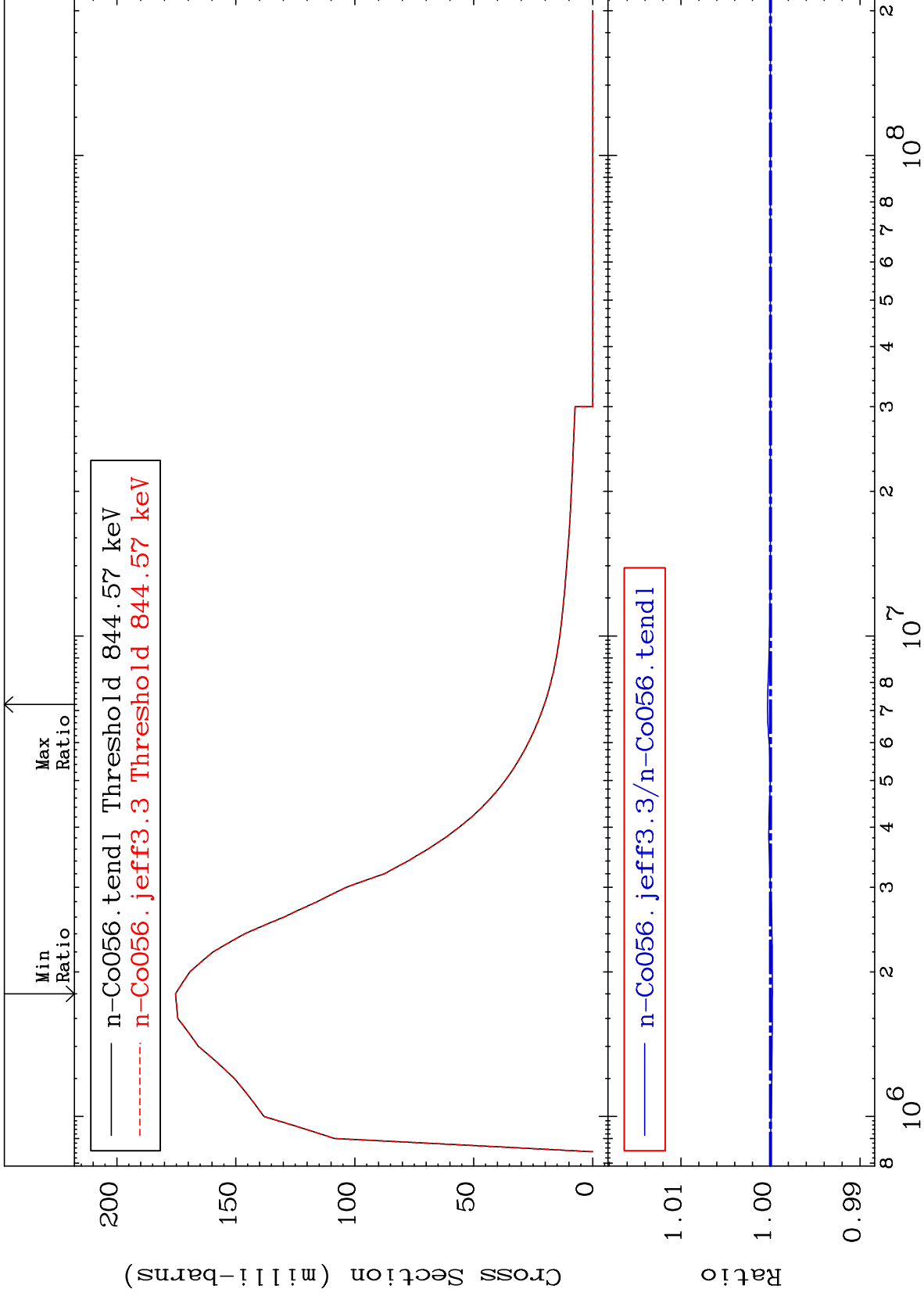
Incident Energy (eV)

27-Co-56

MAT 2716

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

27-Co-56  
-0.022 To 0.034 %



20

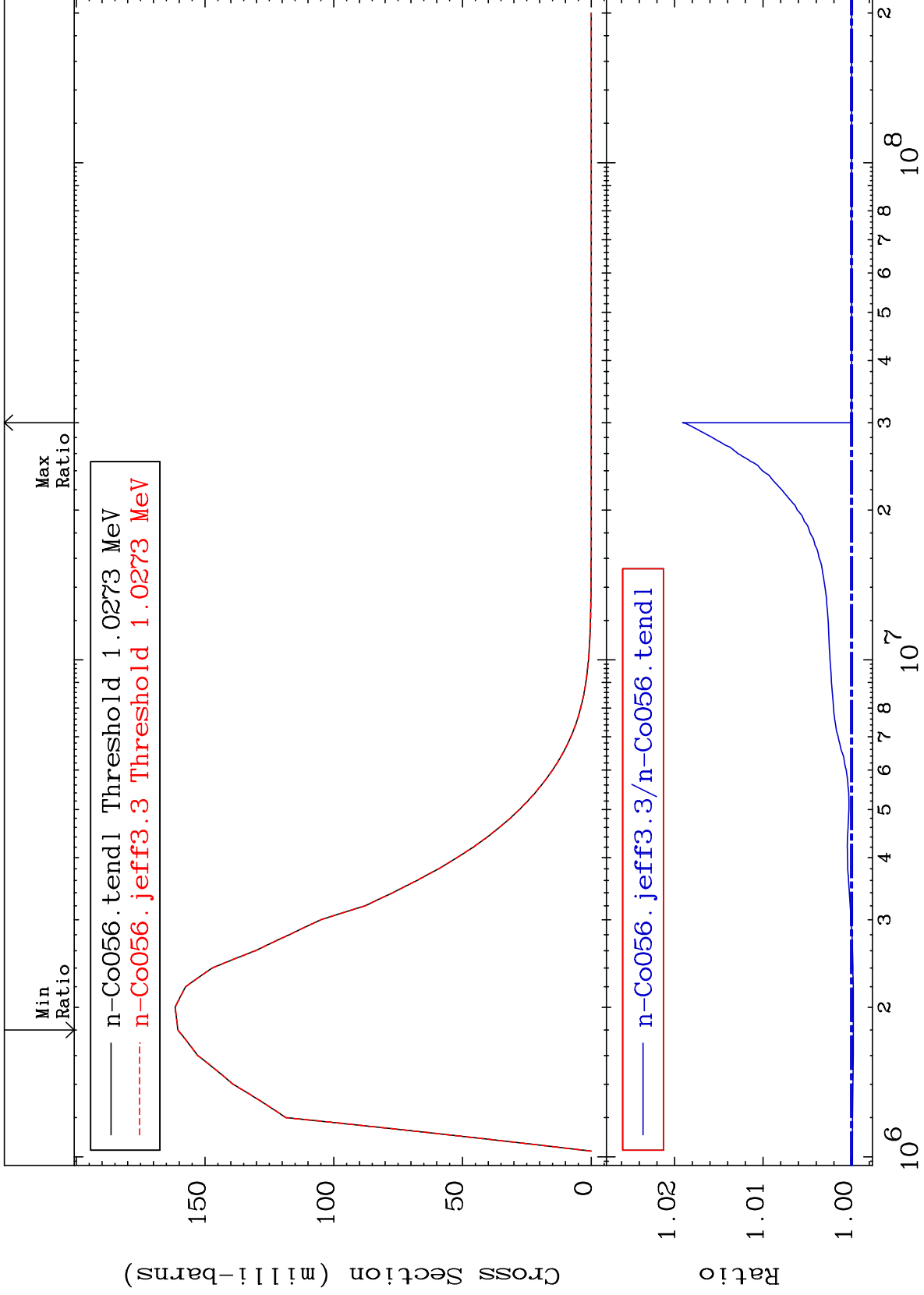
Incident Energy (eV)

27-Co-56

MAT 2716

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

27-Co-56  
-0.020 To 1.910 %



21

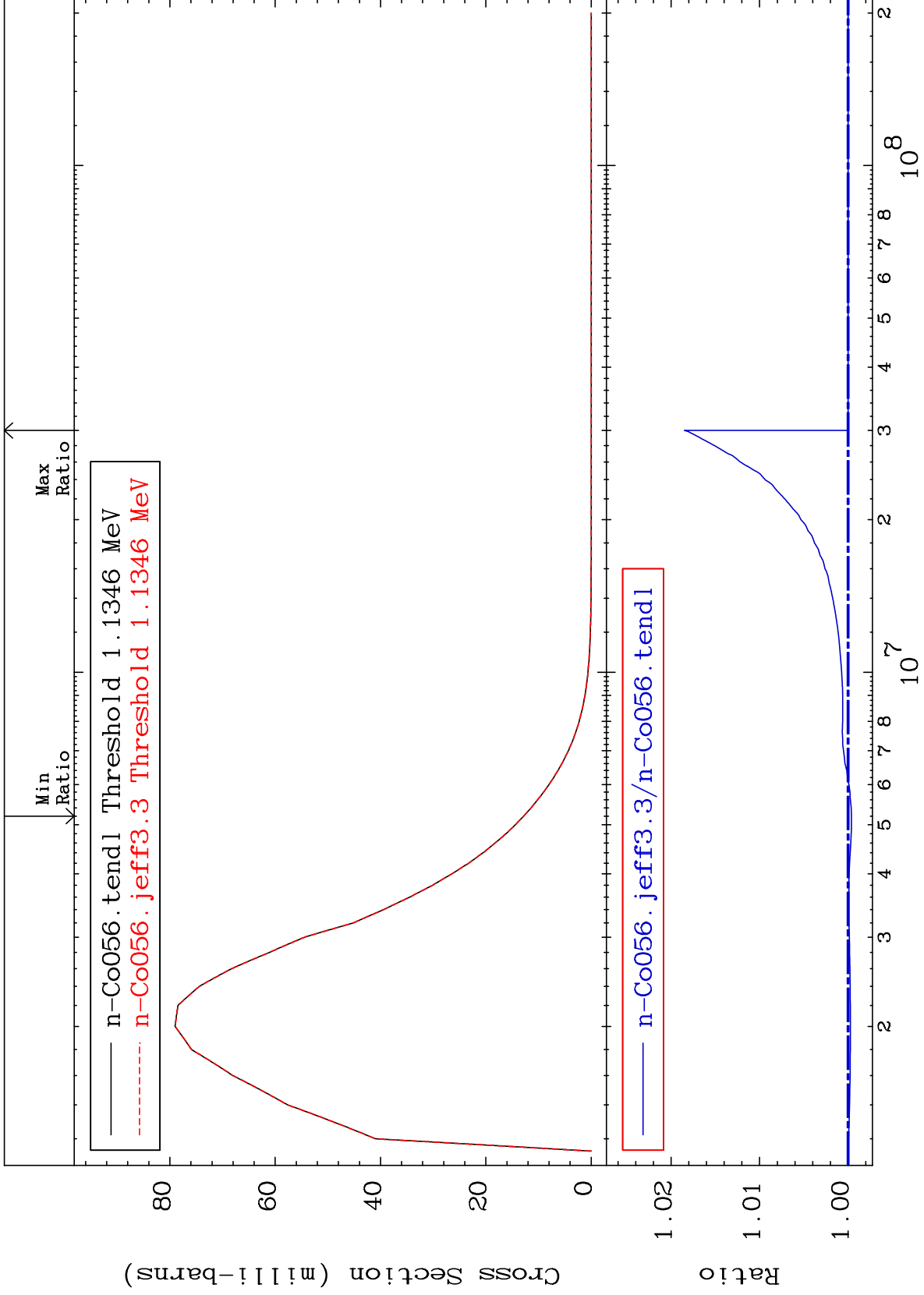
Incident Energy (eV)

27-Co-56

MAT 2716

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

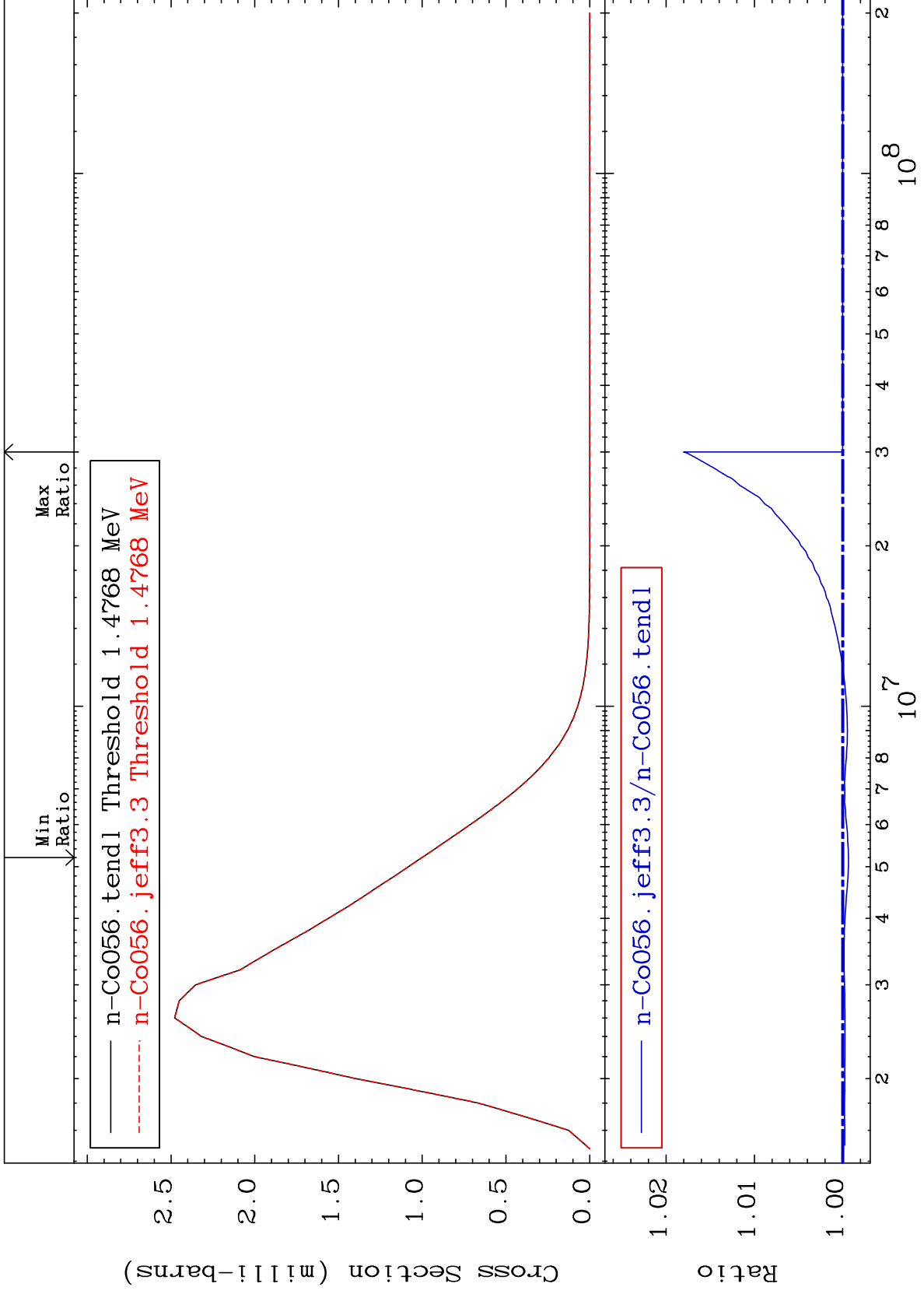
27-Co-56  
-0.038 To 1.849 %



MAT 2716

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

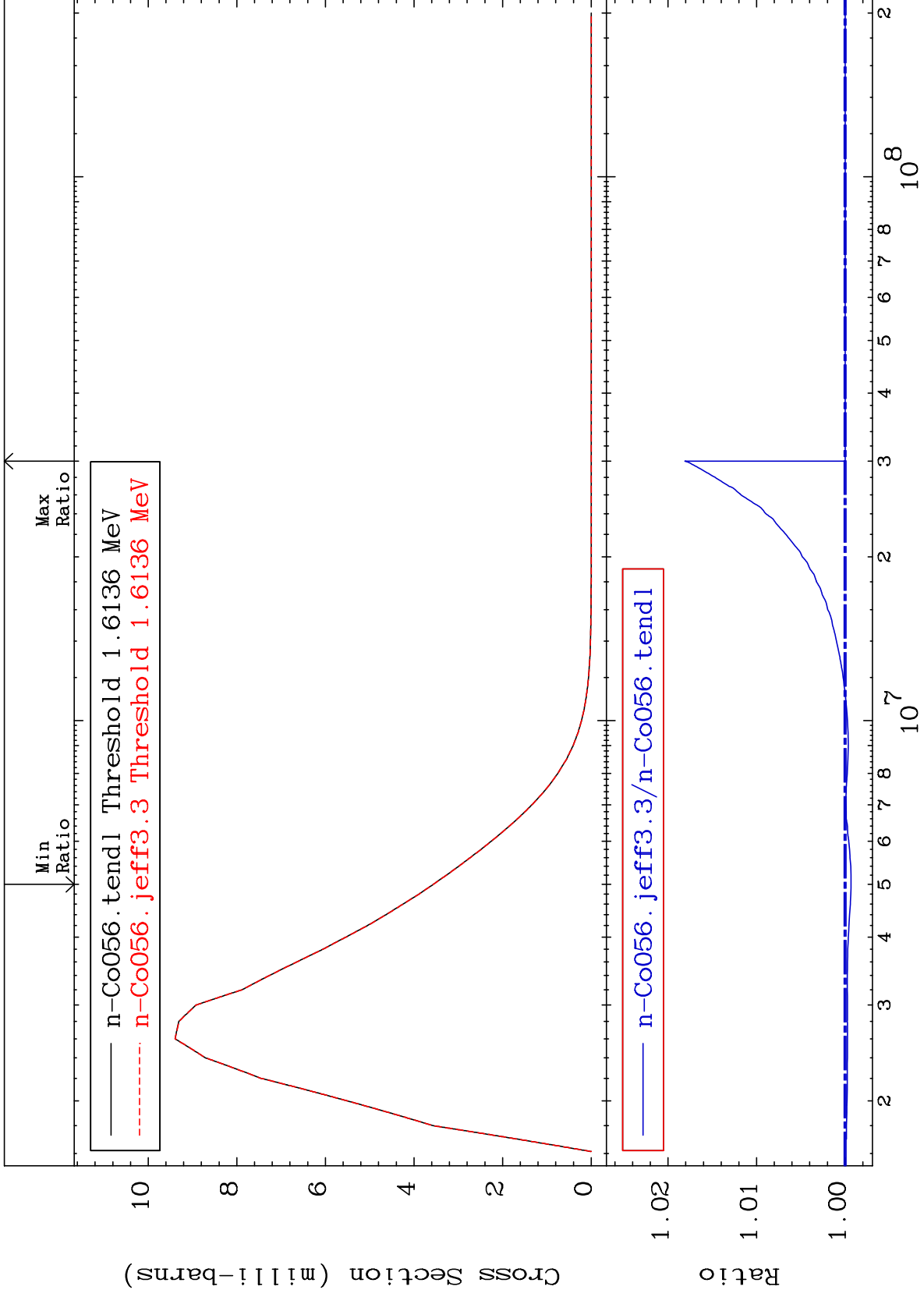
27-Co-56  
-0.065 To 1.803 %



MAT 2716

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

27-Co-56  
-0.067 To 1.810 %

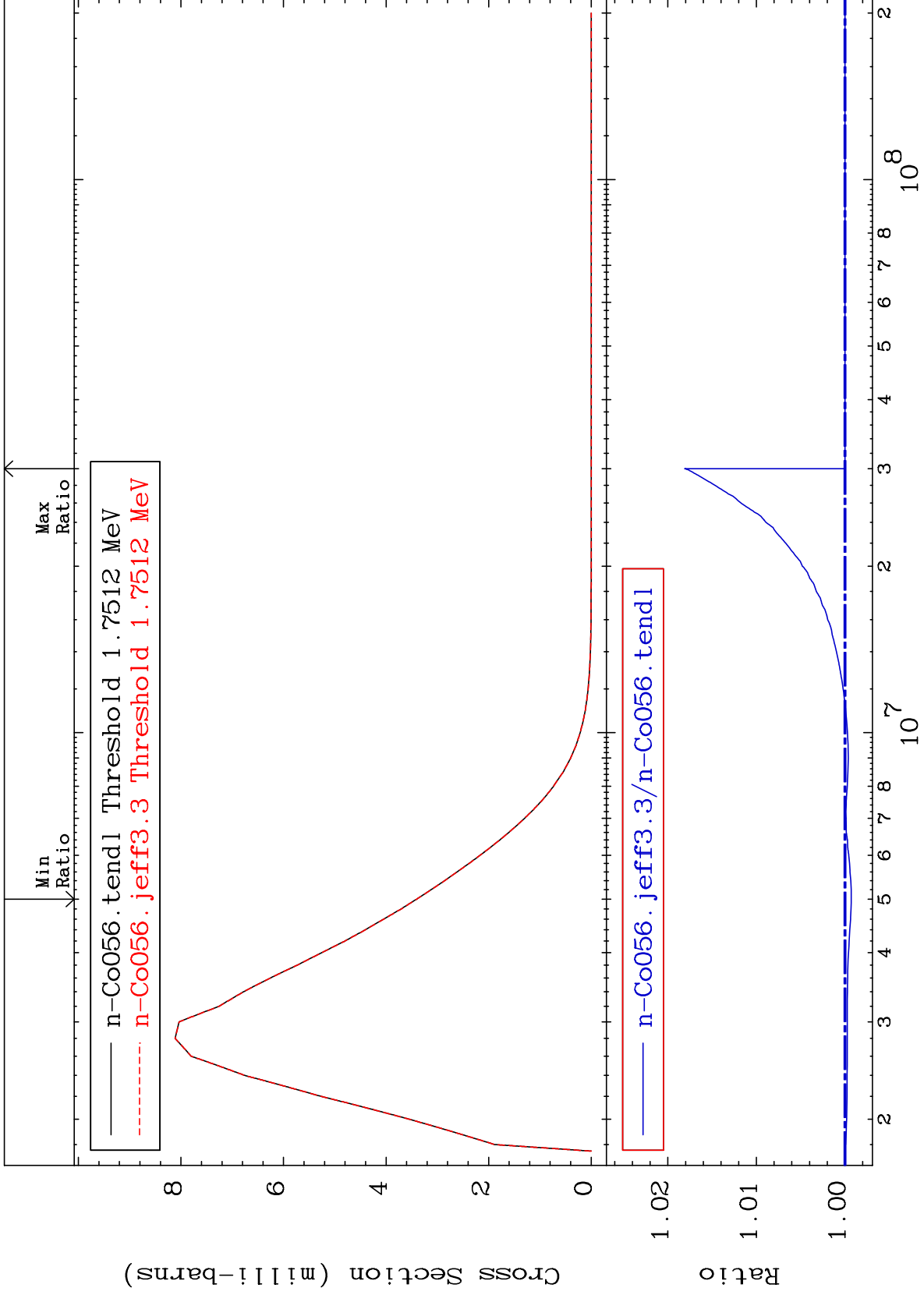




MAT 2716

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

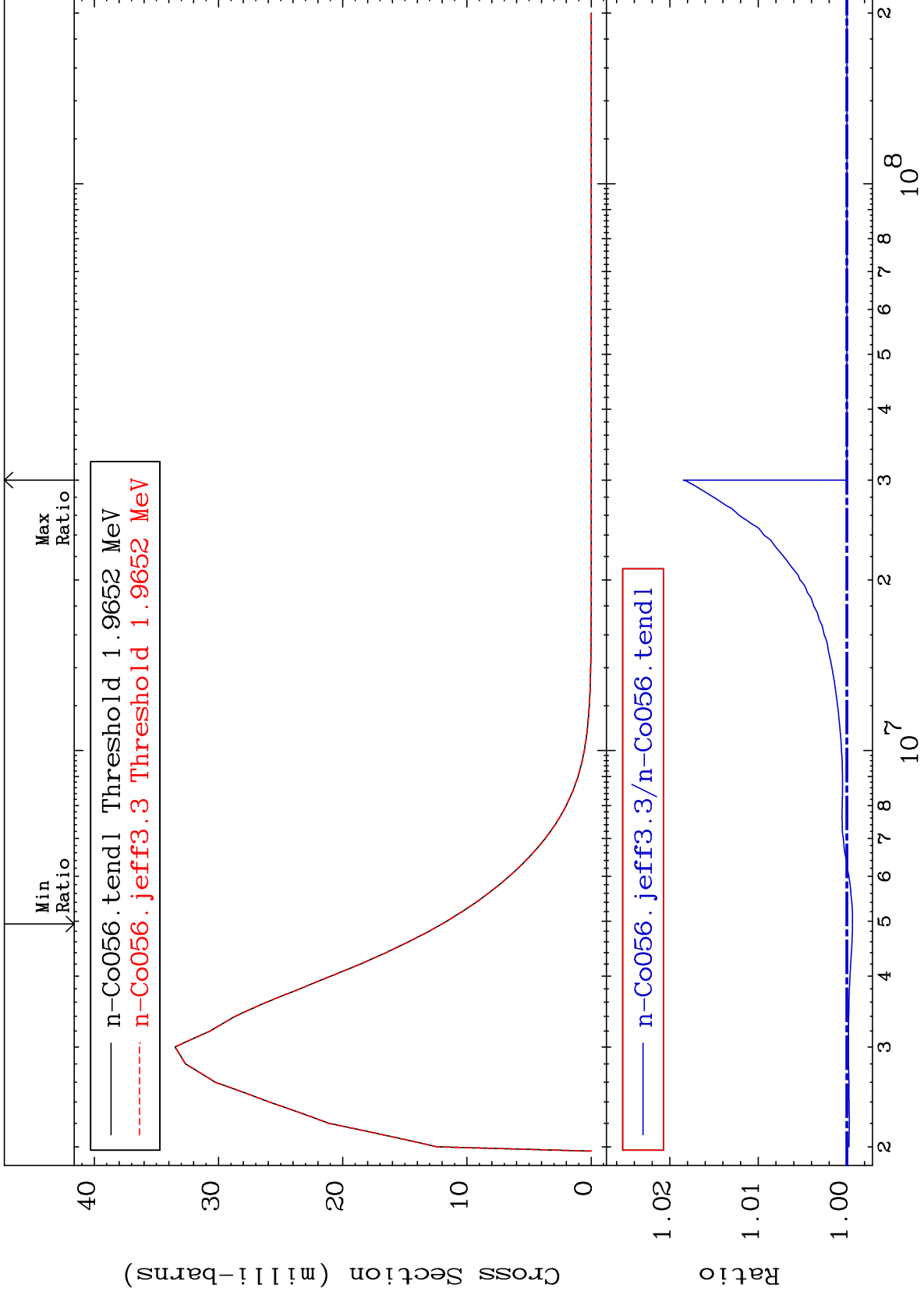
27-Co-56  
-0.071 To 1.810 %



MAT 2716

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

27-Co-56  
-0.065 To 1.847 %



26

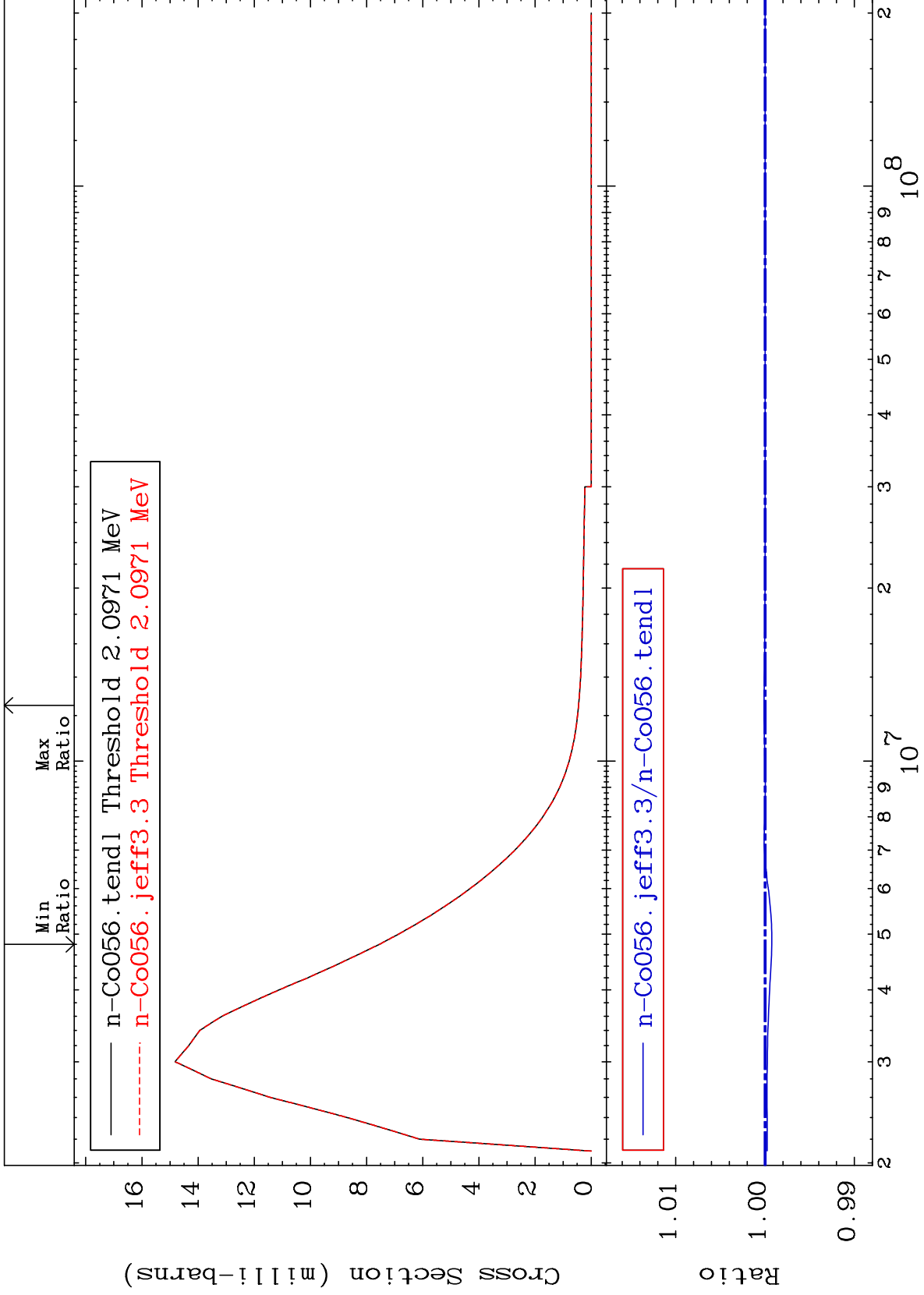
Incident Energy (eV)

27-Co-56

MAT 2716

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

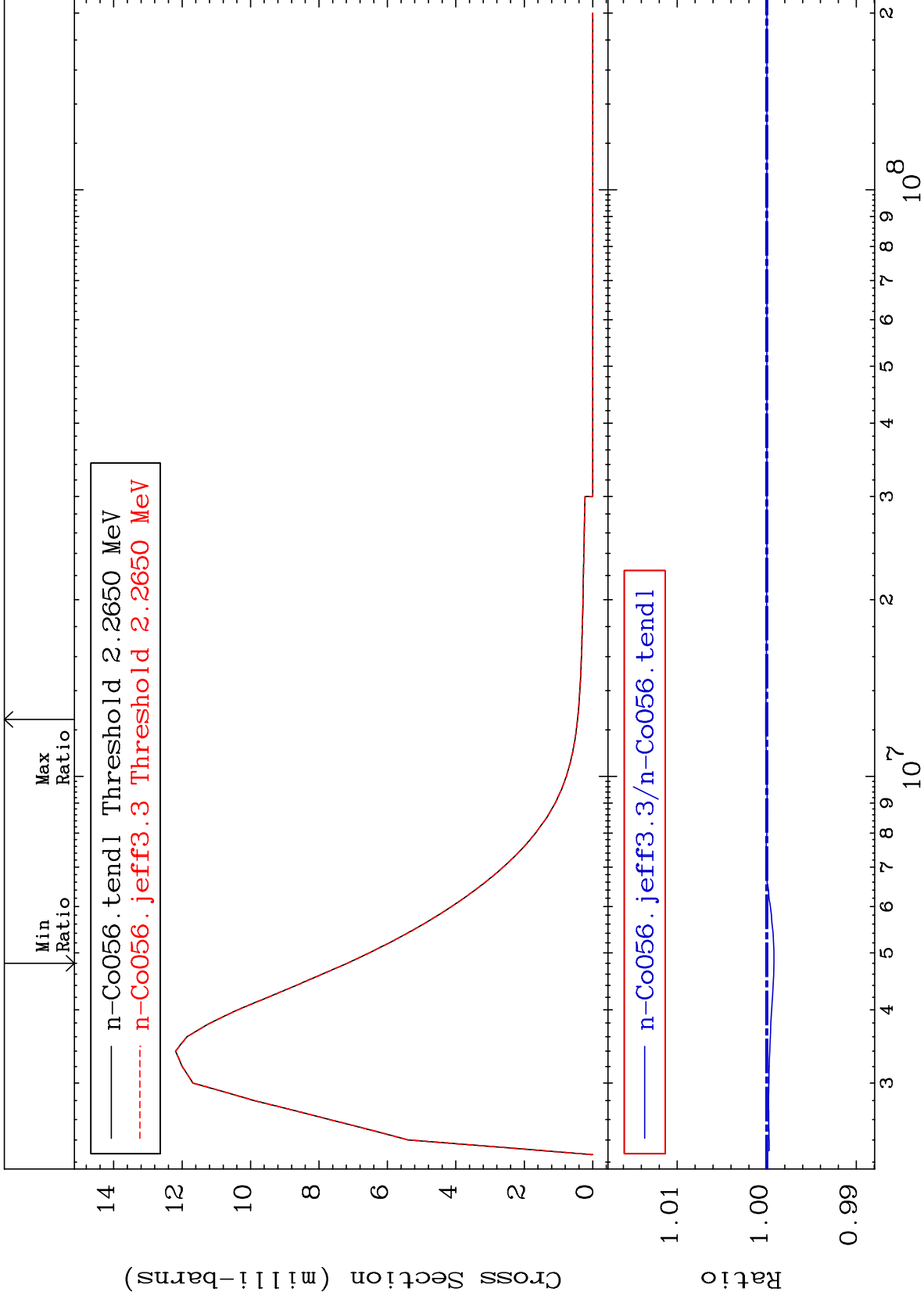
27-Co-56  
-0.075 To 0.011 %



MAT 2716

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

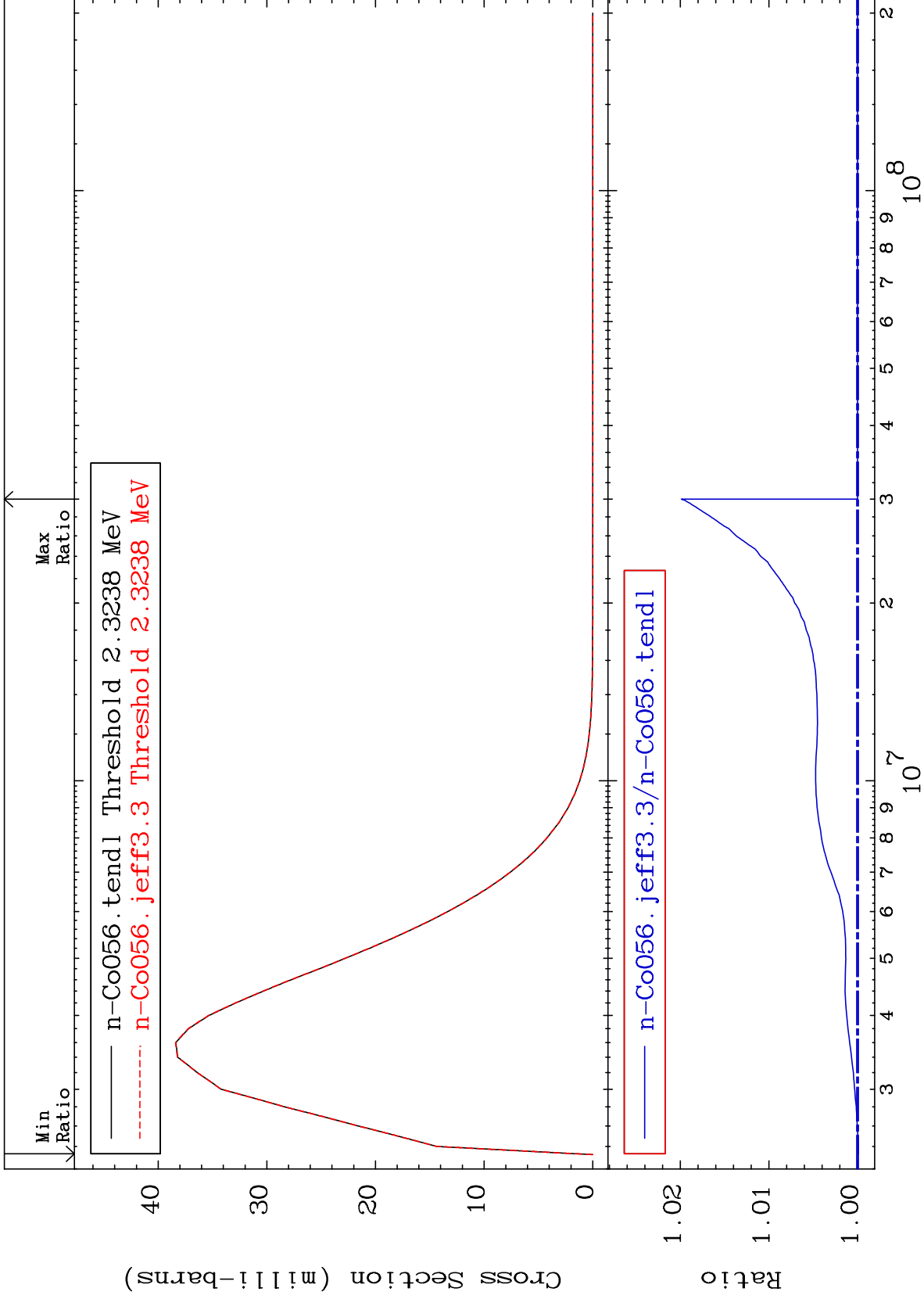
27-Co-56  
-0.080 To 0.011 %



MAT 2716

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

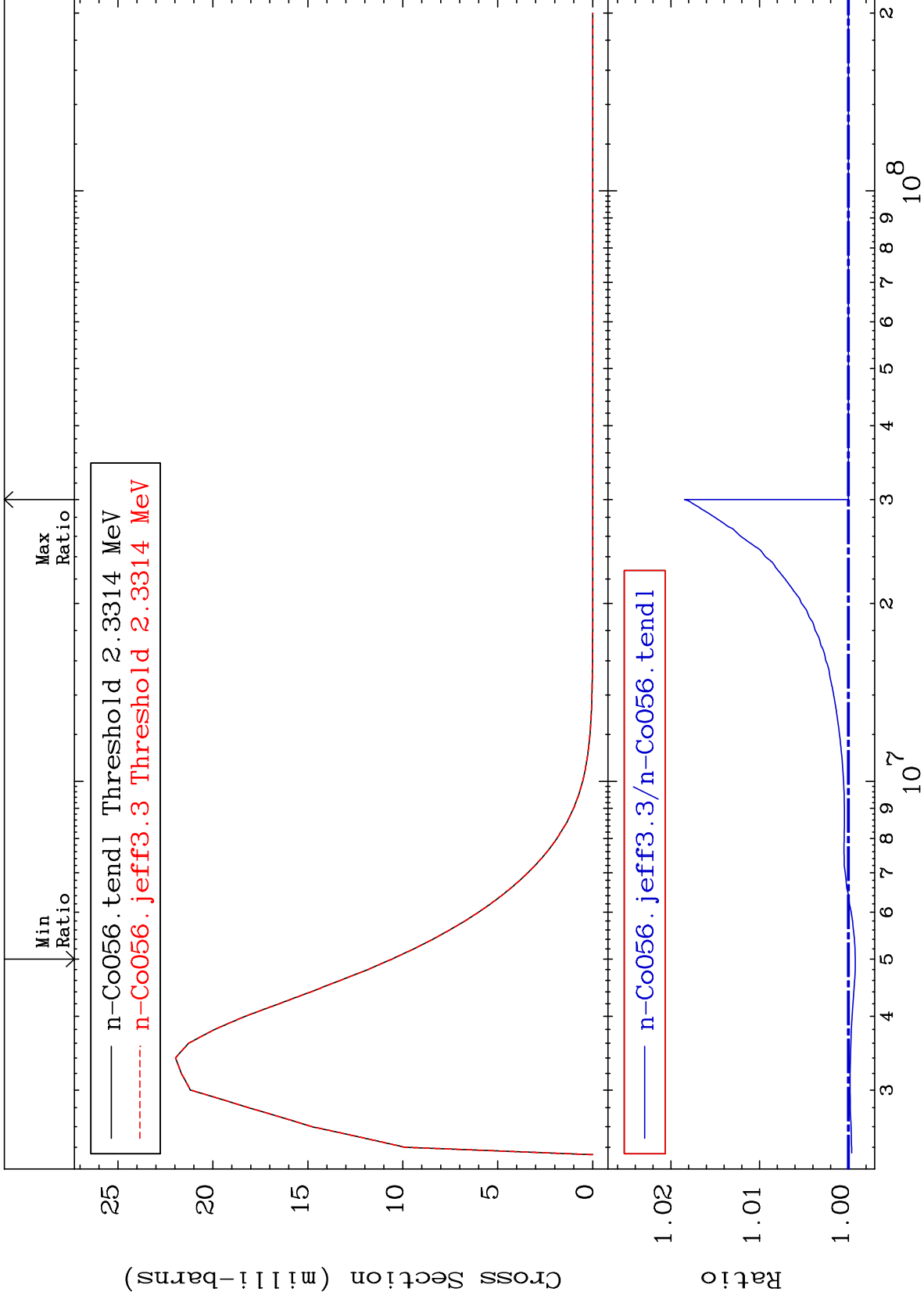
27-Co-56  
-0.009 To 1.987 %



MAT 2716

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

27-Co-56  
-0.078 To 1.846 %



30

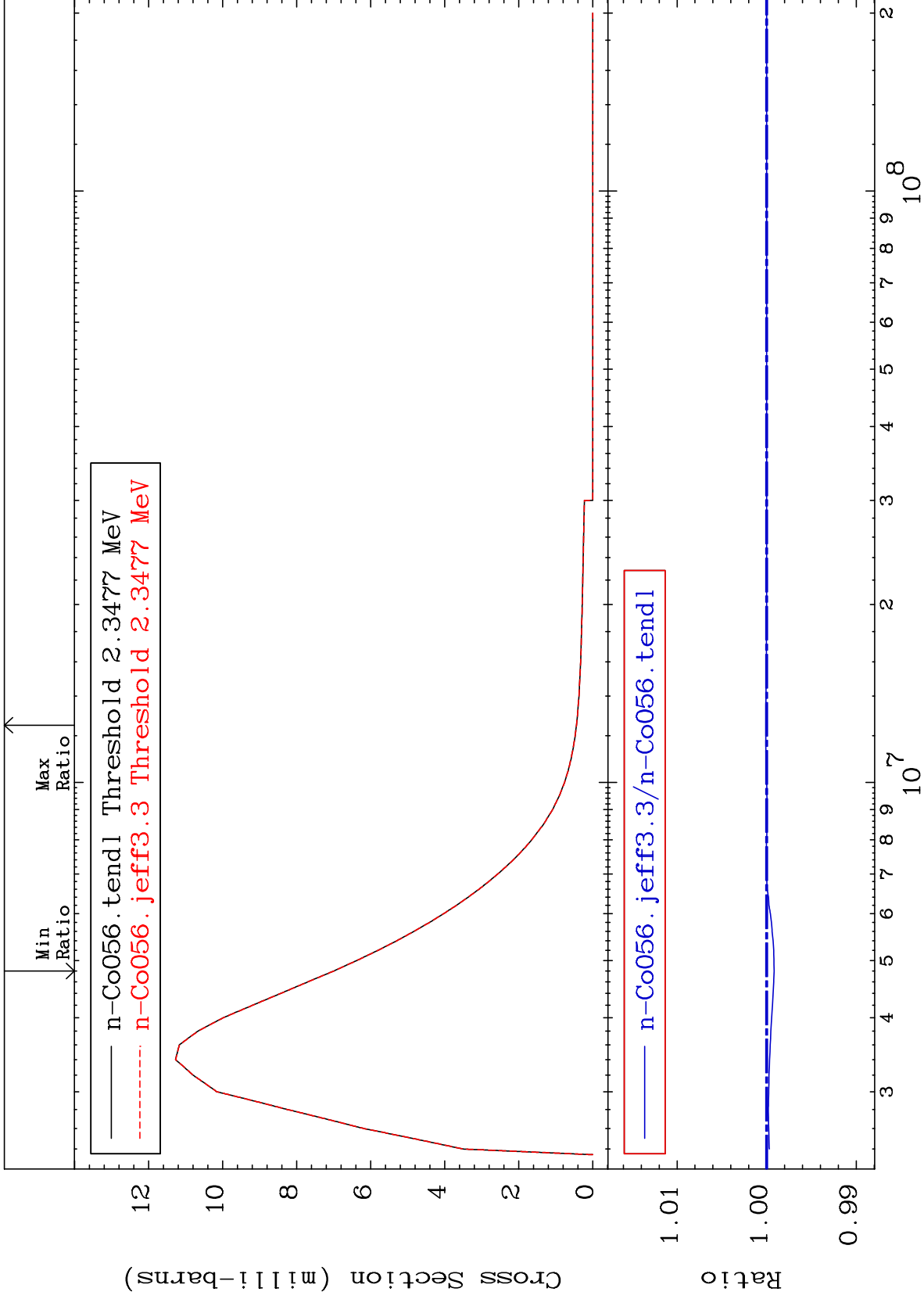
Incident Energy (eV)

27-Co-56

MAT 2716

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

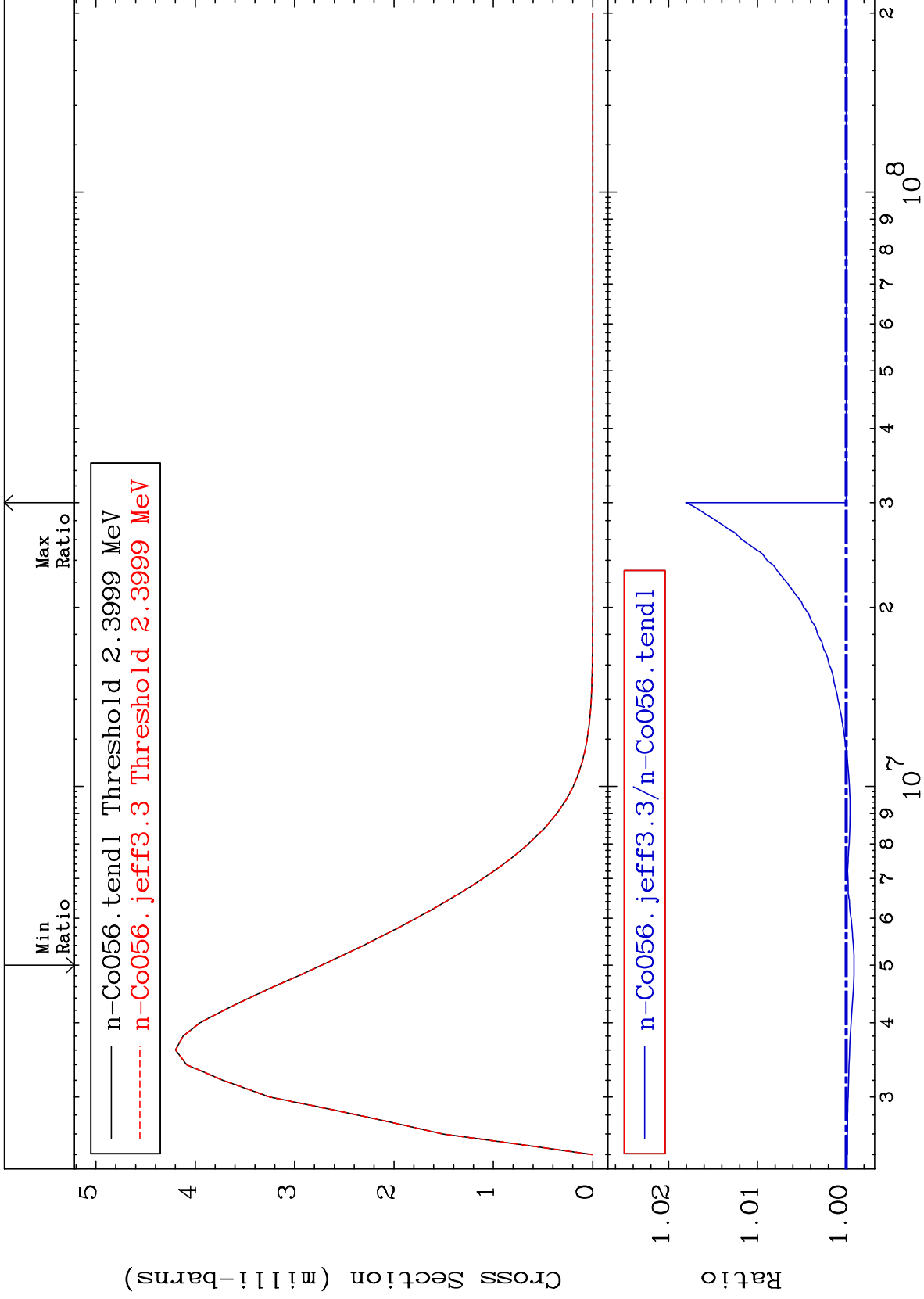
27-Co-56  
-0.083 To 0.010 %



MAT 2716

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

27-Co-56  
-0.089 To 1.808 %

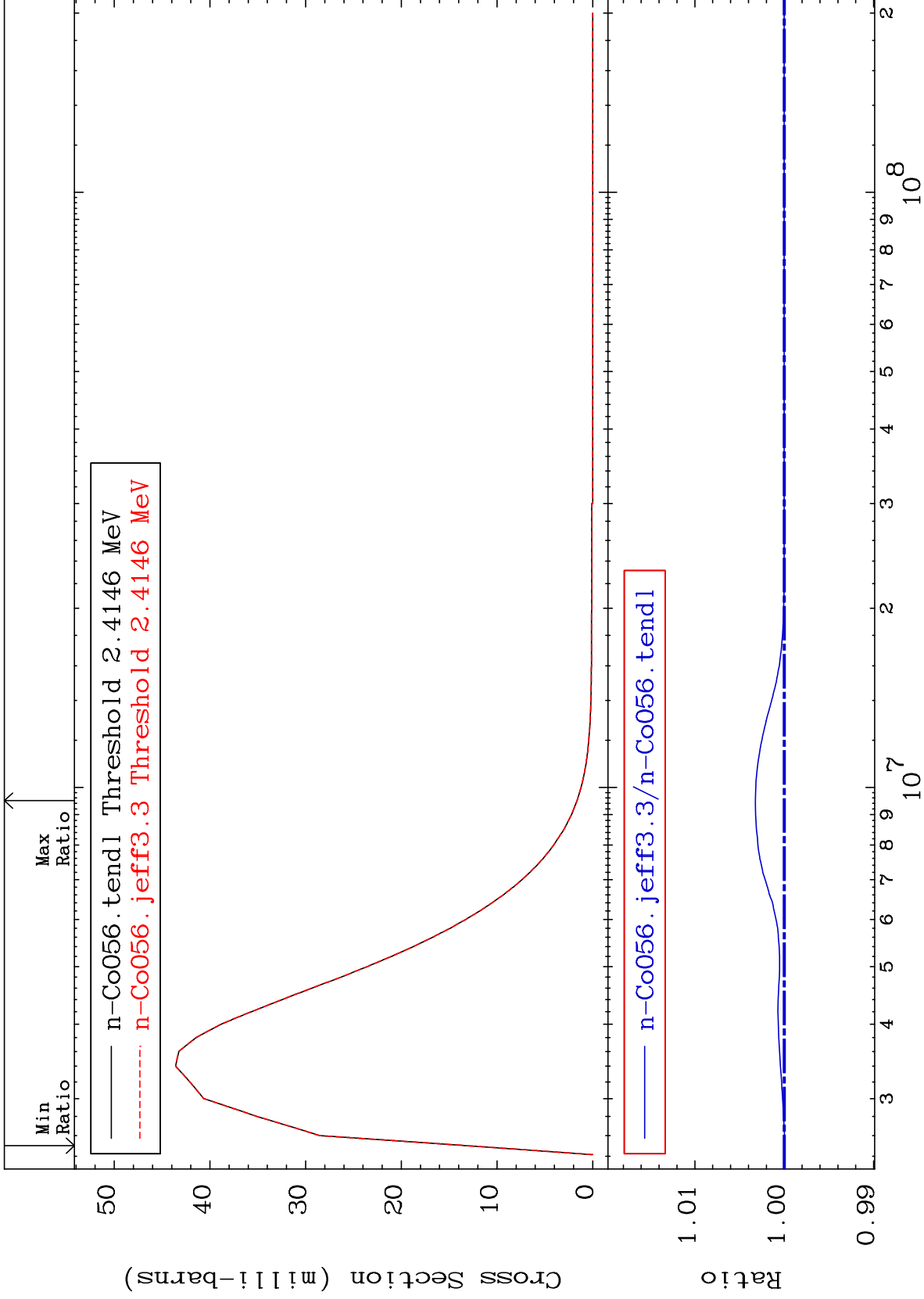




MAT 2716

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

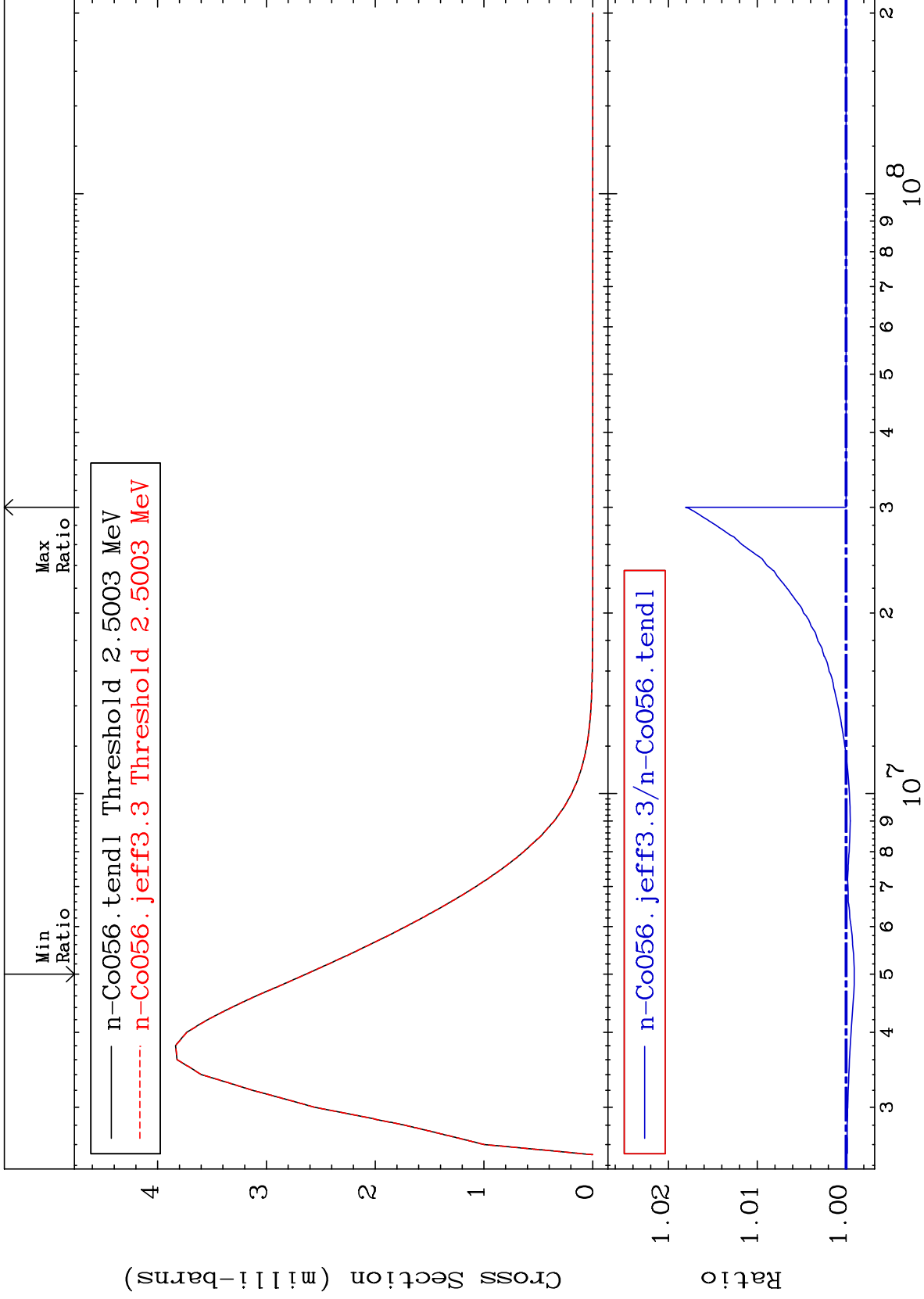
27-Co-56  
-0.003 To 0.323 %



MAT 2716

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

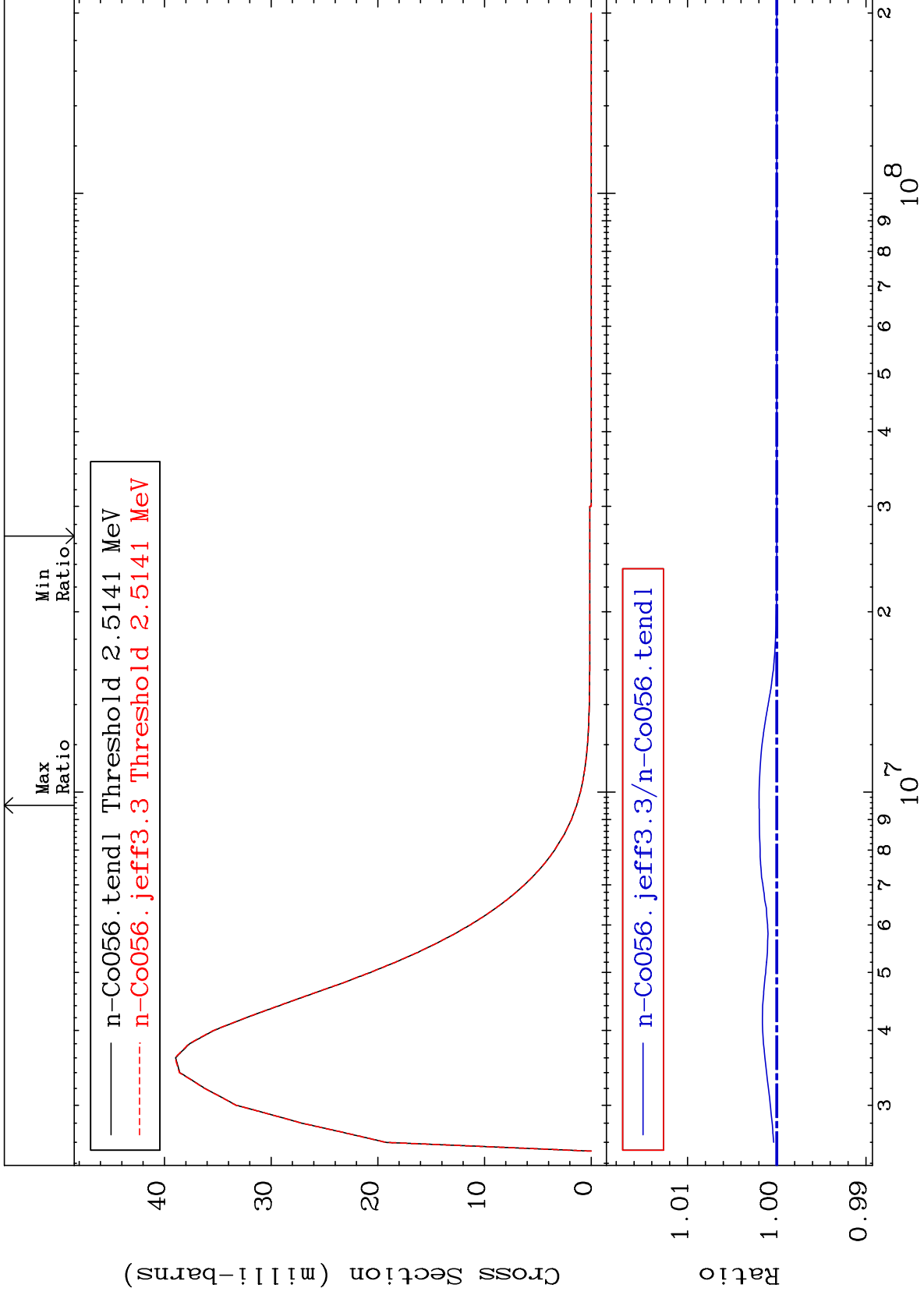
27-Co-56  
-0.092 To 1.808 %



MAT 2716

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

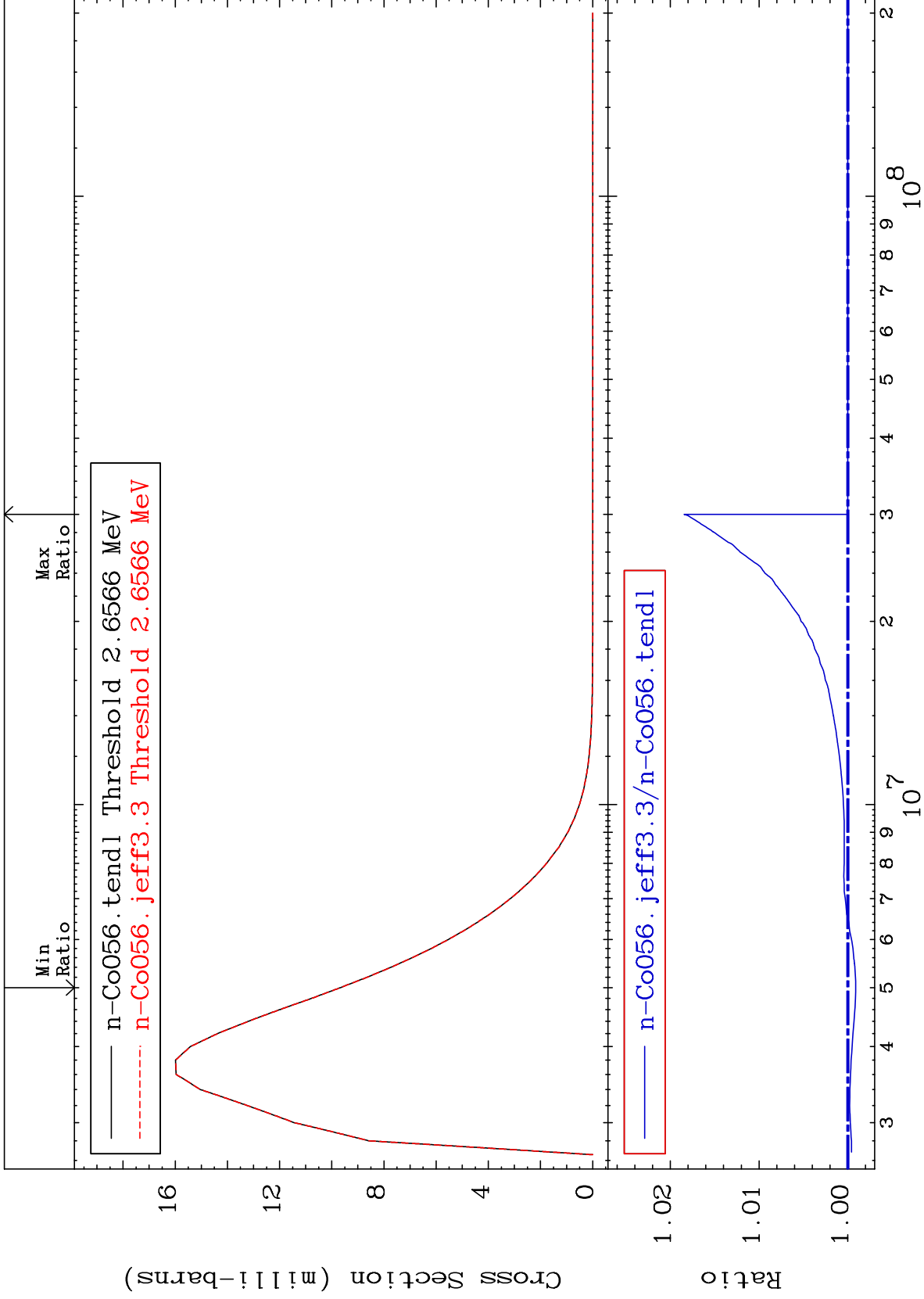
27-Co-56  
0.000 To 0.197 %



MAT 2716

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

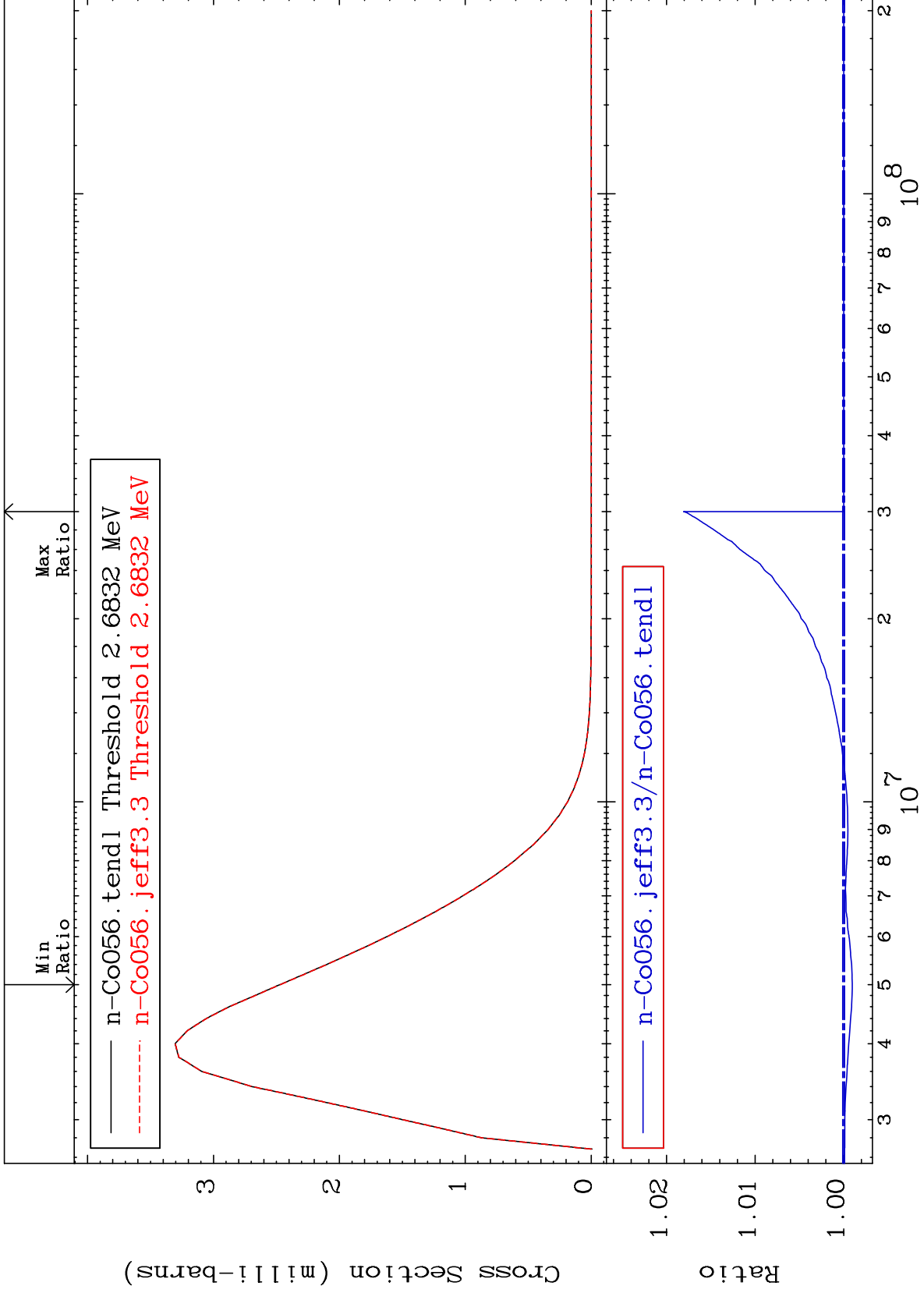
27-Co-56  
-0.089 To 1.845 %



MAT 2716

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

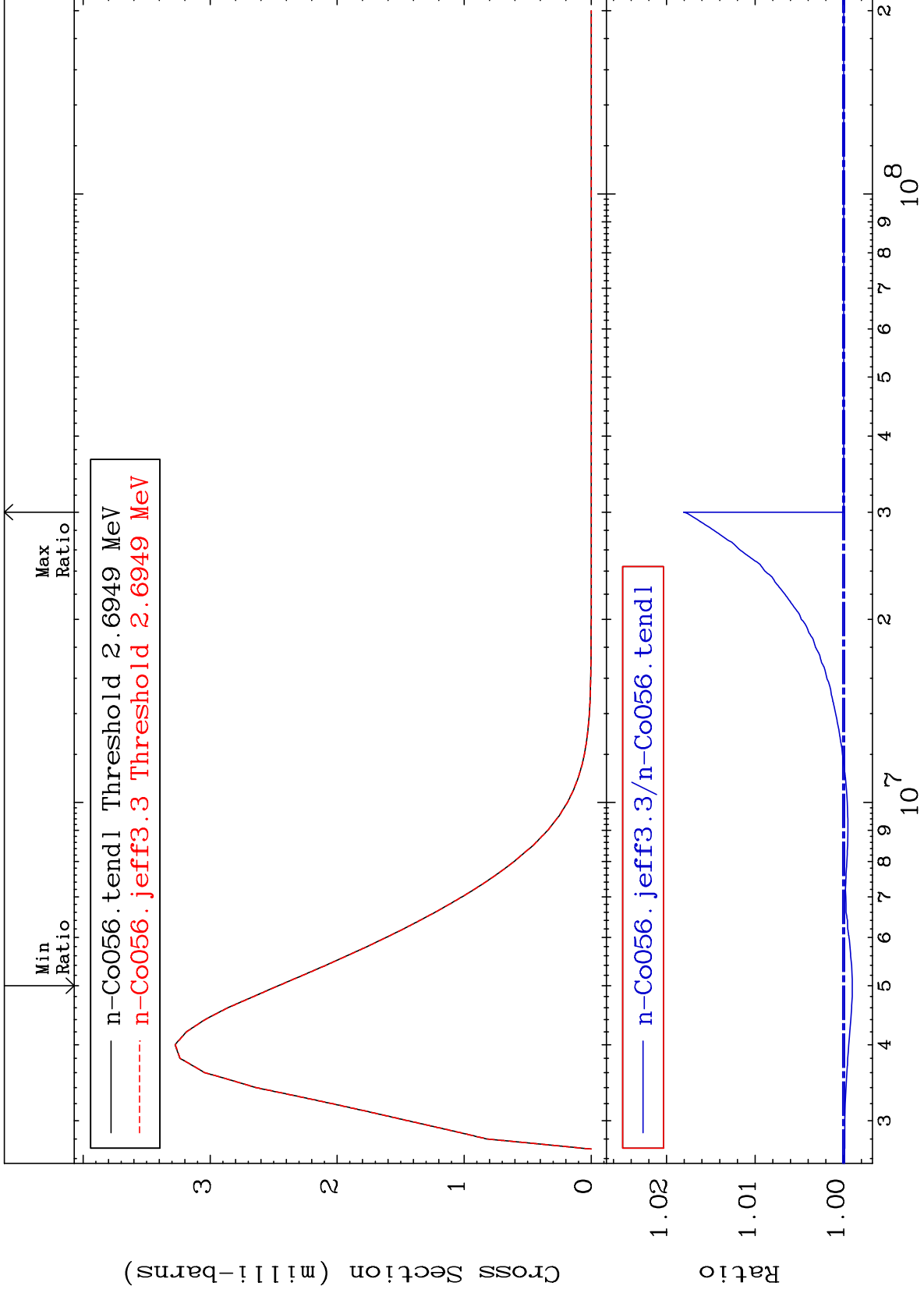
27-Co-56  
-0.097 To 1.807 %



MAT 2716

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

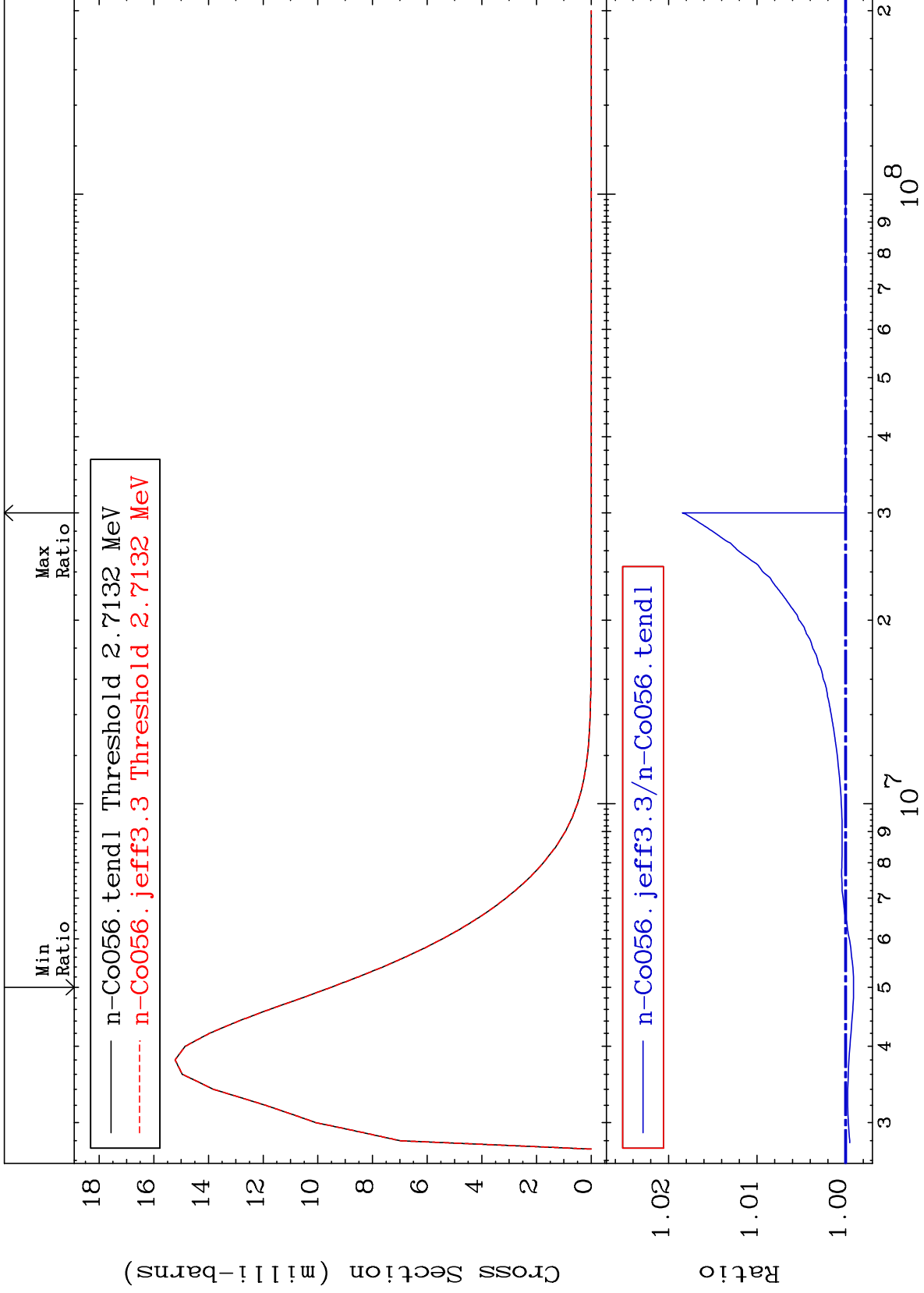
27-Co-56  
-0.097 To 1.807 %



MAT 2716

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

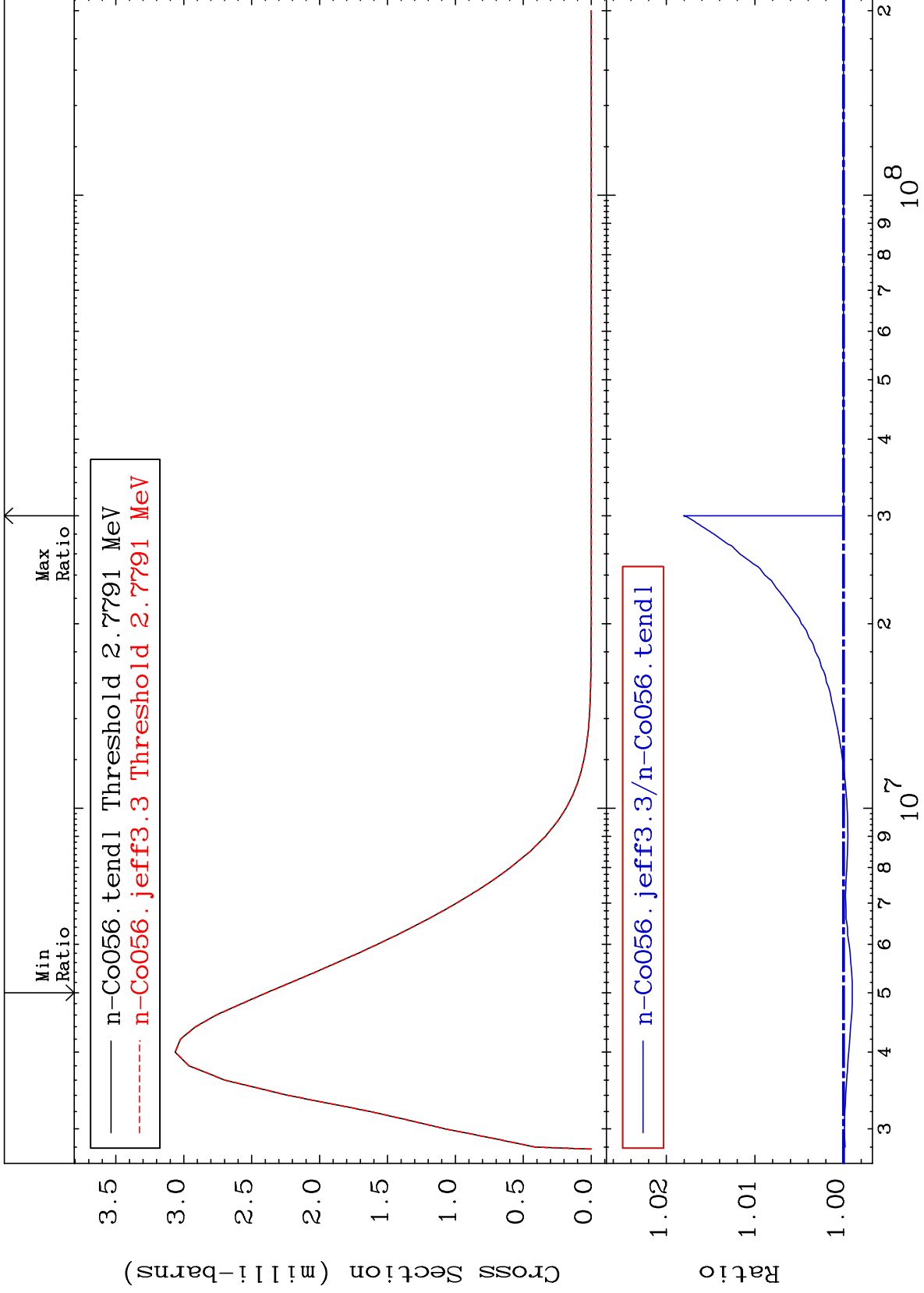
27-Co-56  
-0.090 To 1.844 %



MAT 2716

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

27-Co-56  
-0.100 To 1.806 %



40

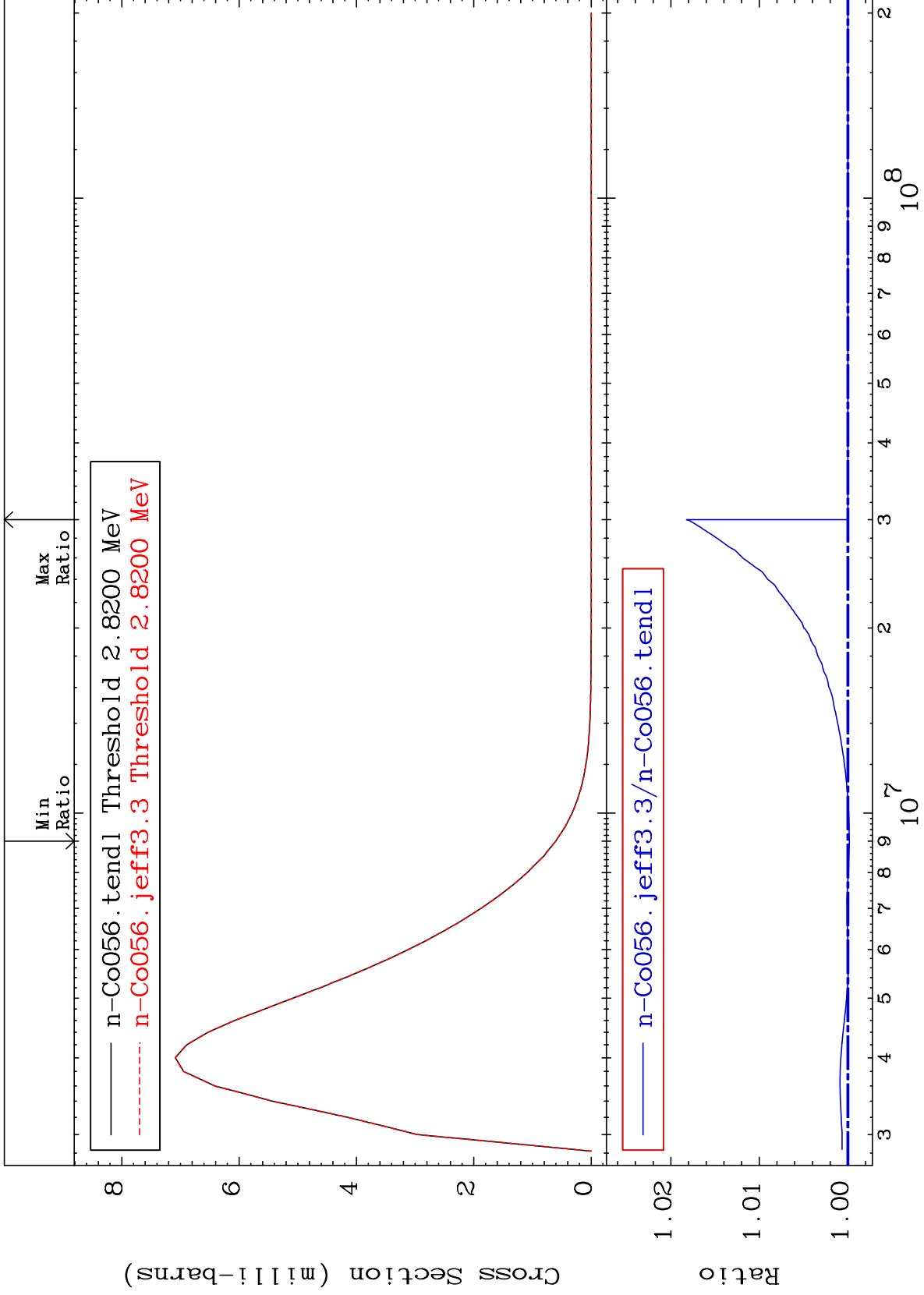
27-Co-56



MAT 2716

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

27-Co-56  
-0.016 To 1.822 %



41

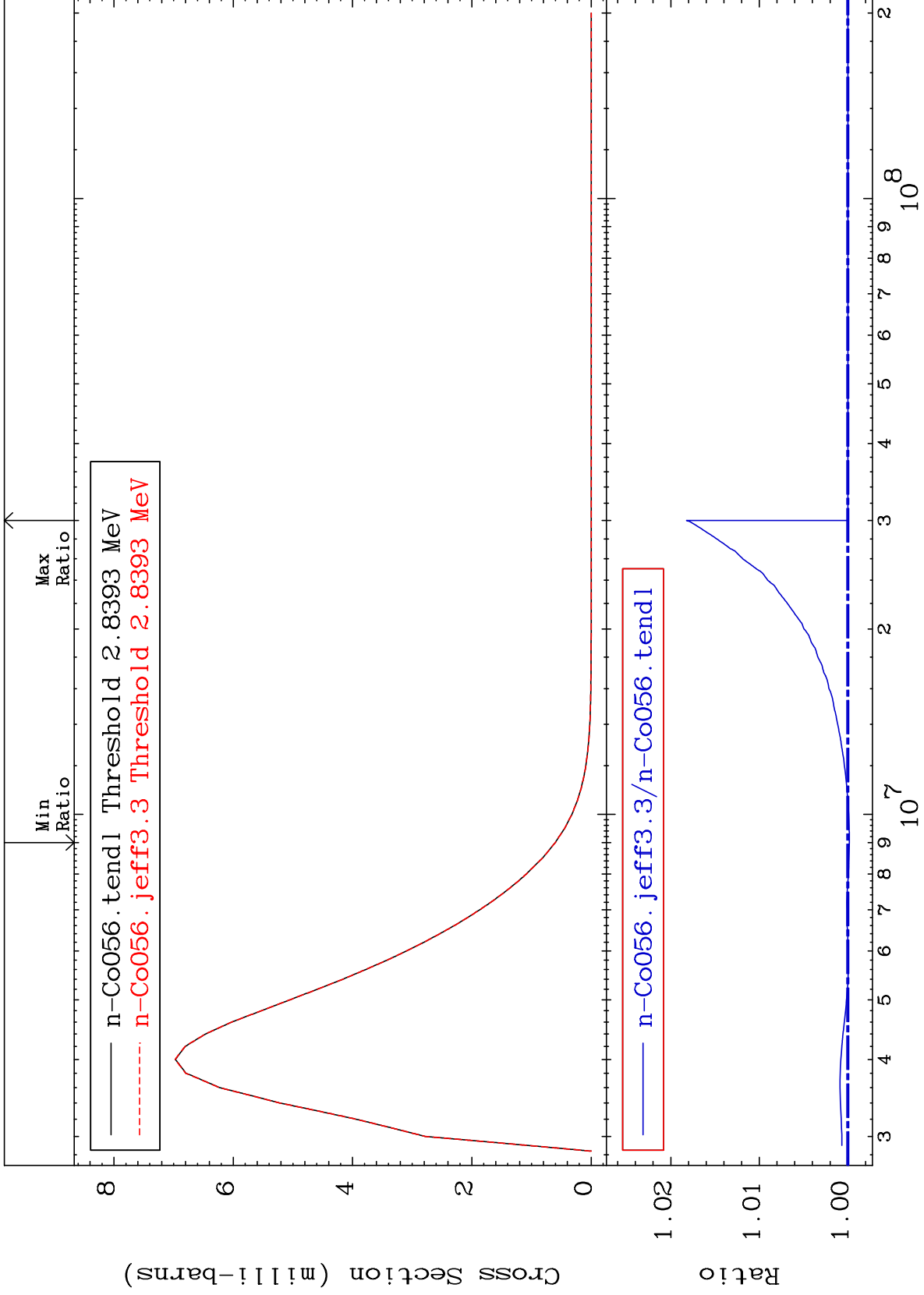
Incident Energy (eV)

27-Co-56

MAT 2716

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

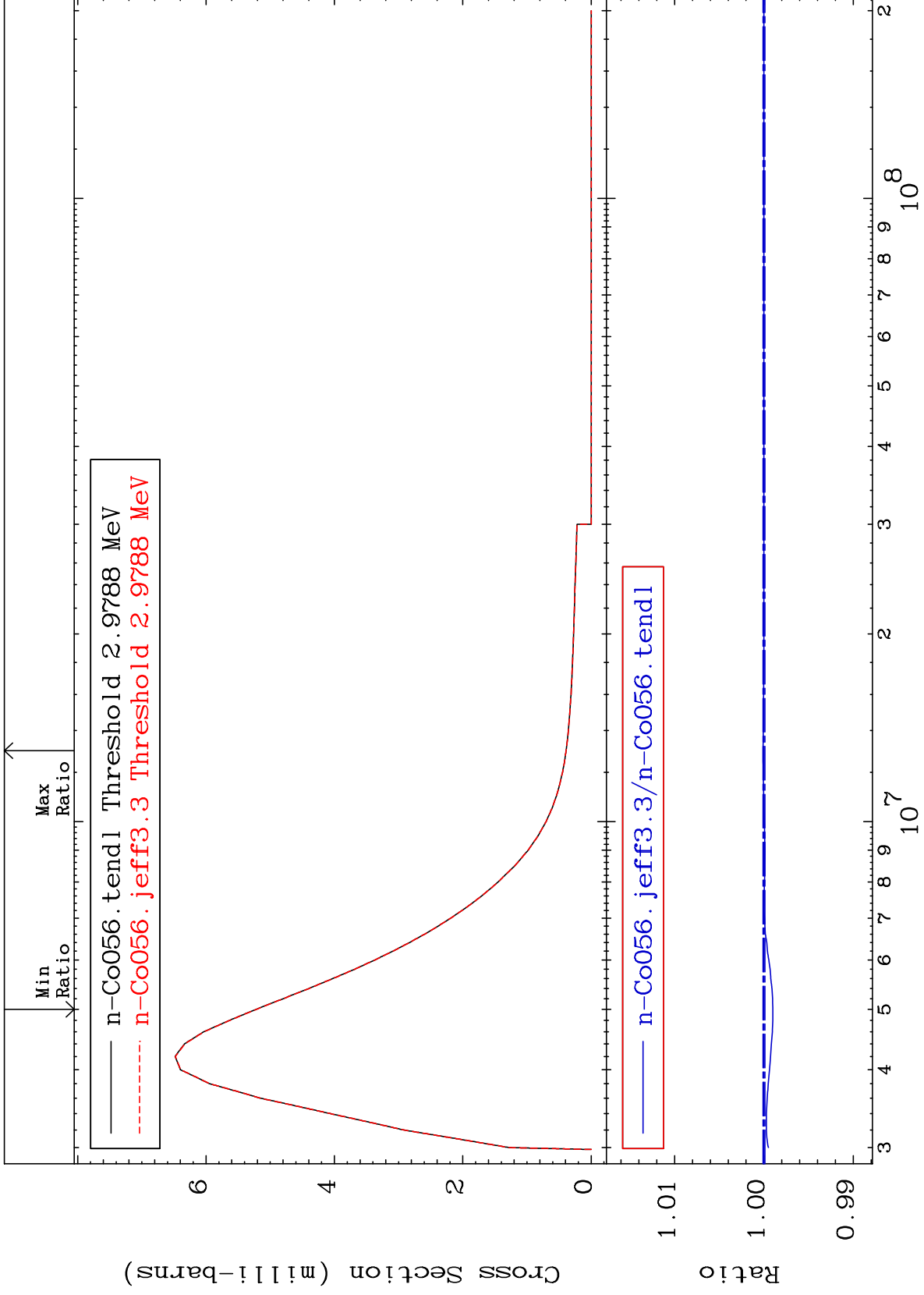
27-Co-56  
-0.017 To 1.822 %



MAT 2716

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

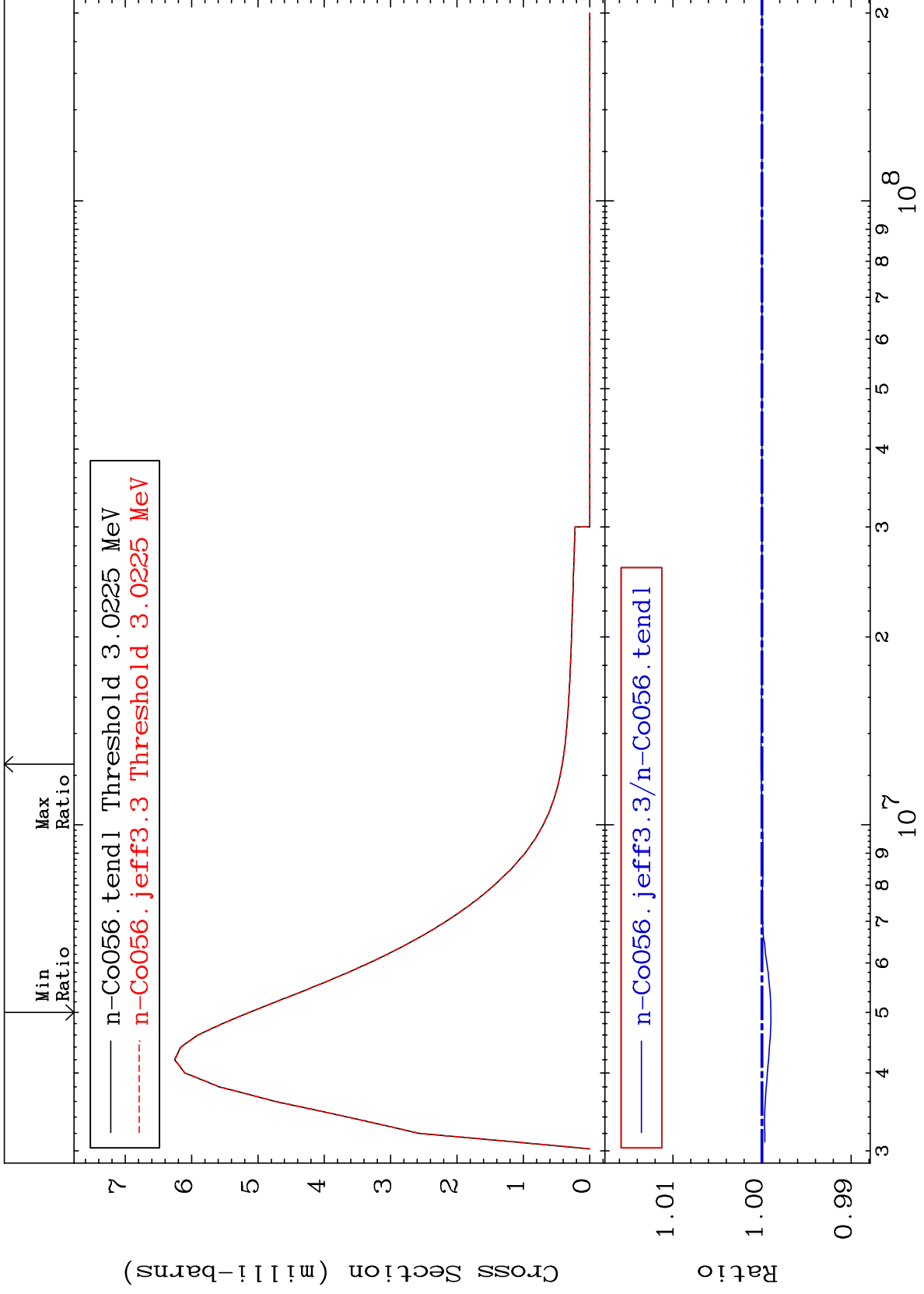
27-Co-56  
-0.099 To 0.009 %



MAT 2716

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

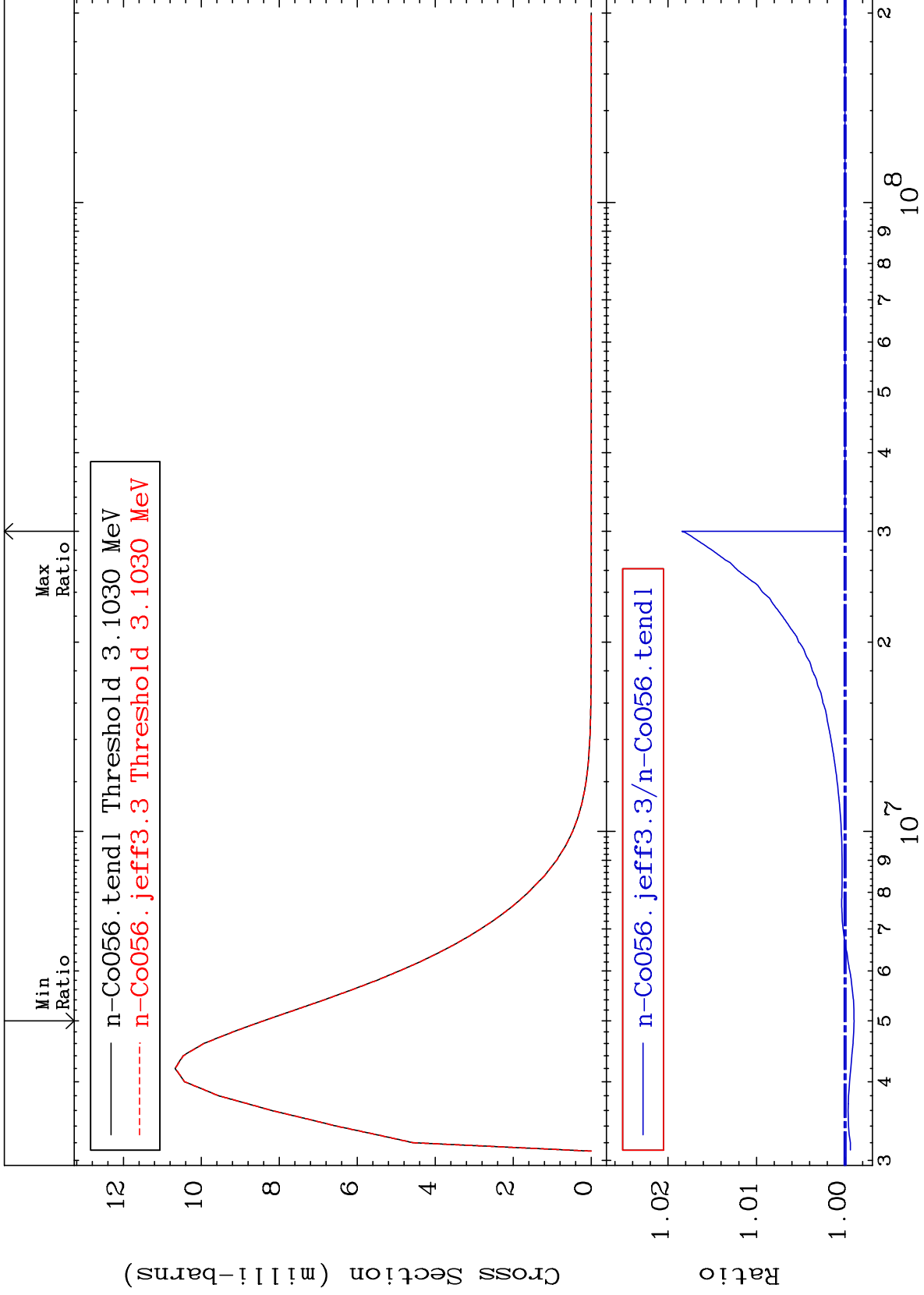
27-Co-56  
-0.100 To 0.009 %



MAT 2716

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

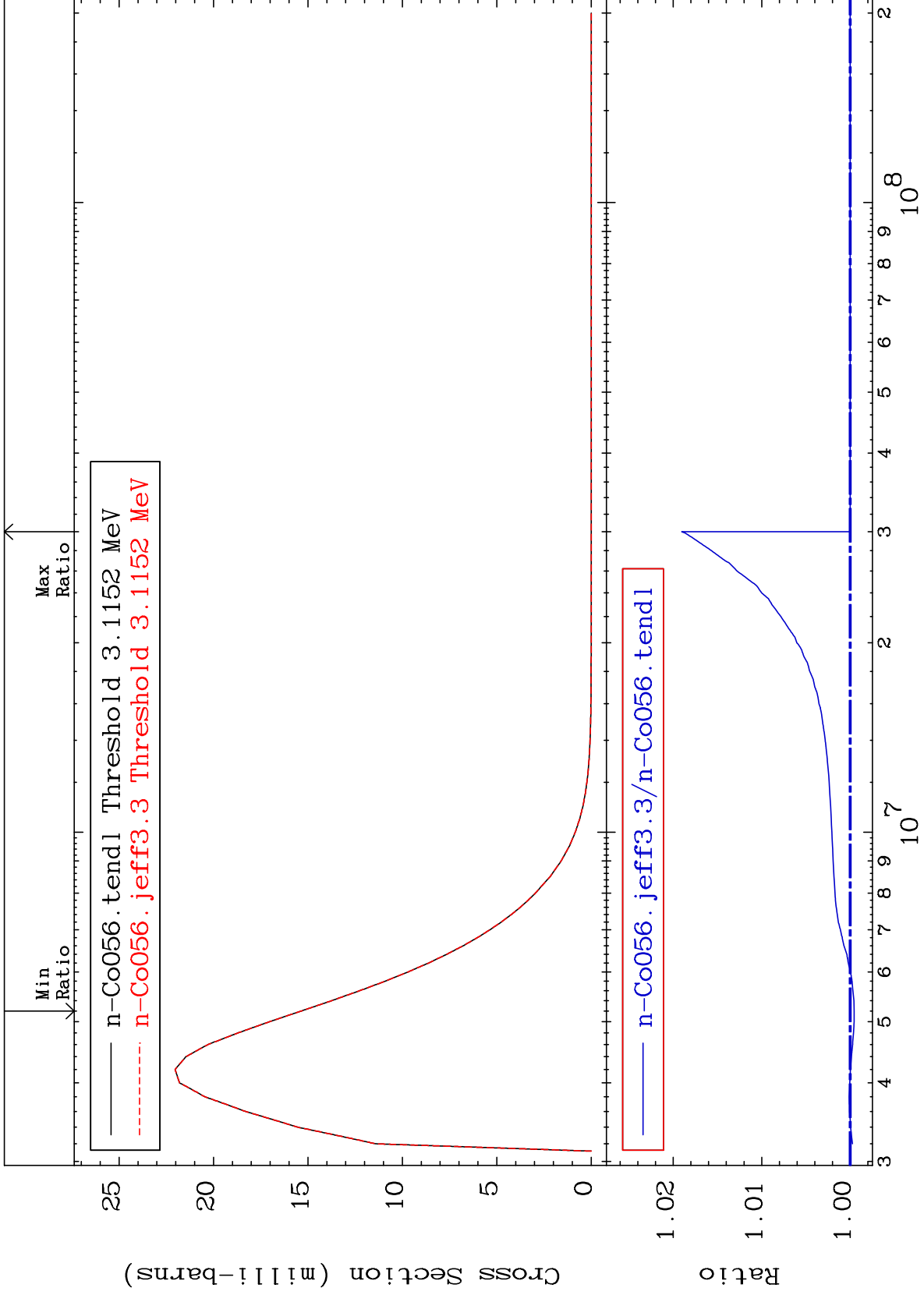
27-Co-56  
-0.101 To 1.843 %



MAT 2716

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

27-Co-56  
-0.046 To 1.905 %



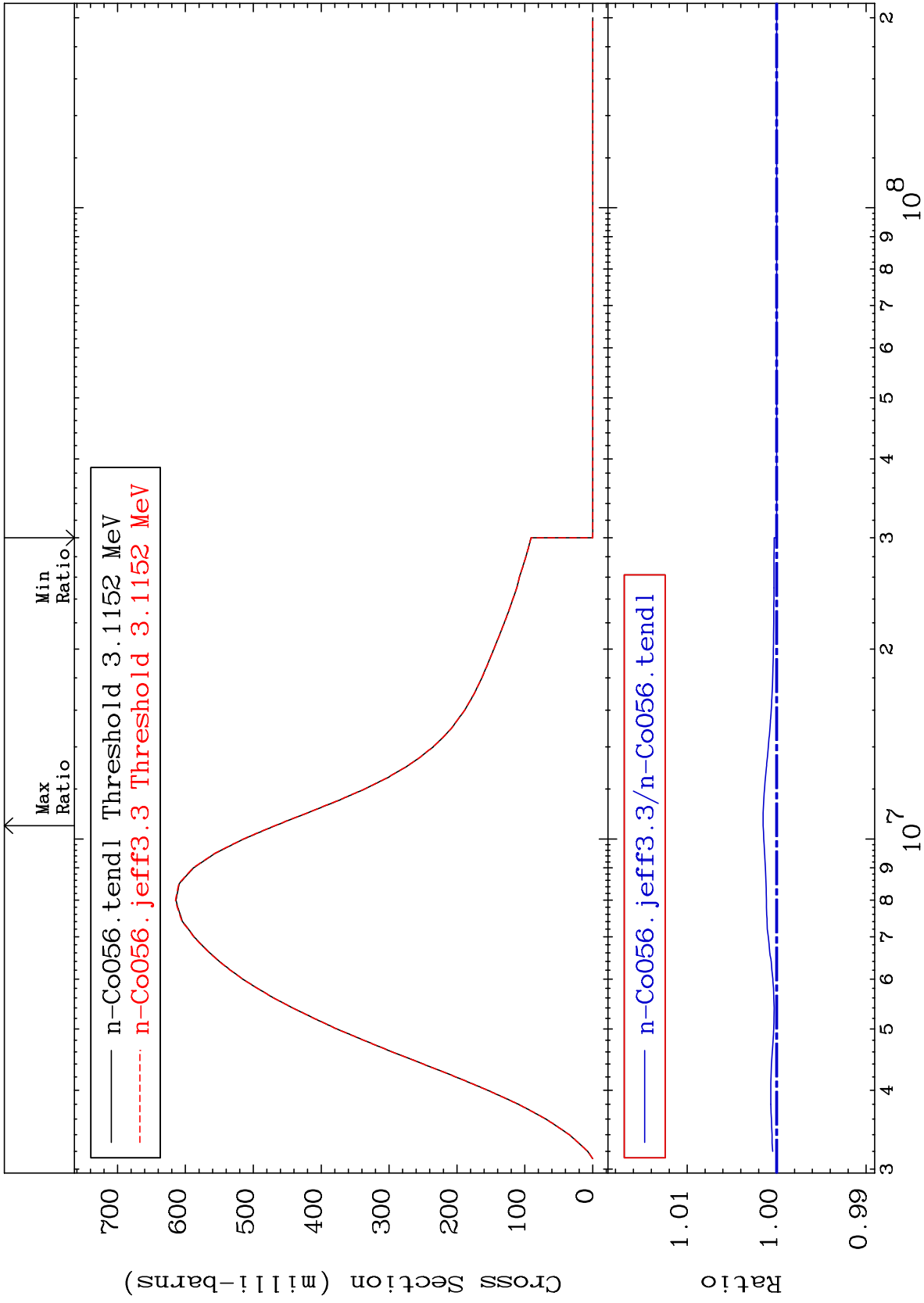
46

27-Co-56

MAT 2716

(n, n') Continuum  
Cross Section

27-Co-56  
0.000 To 0.150 %



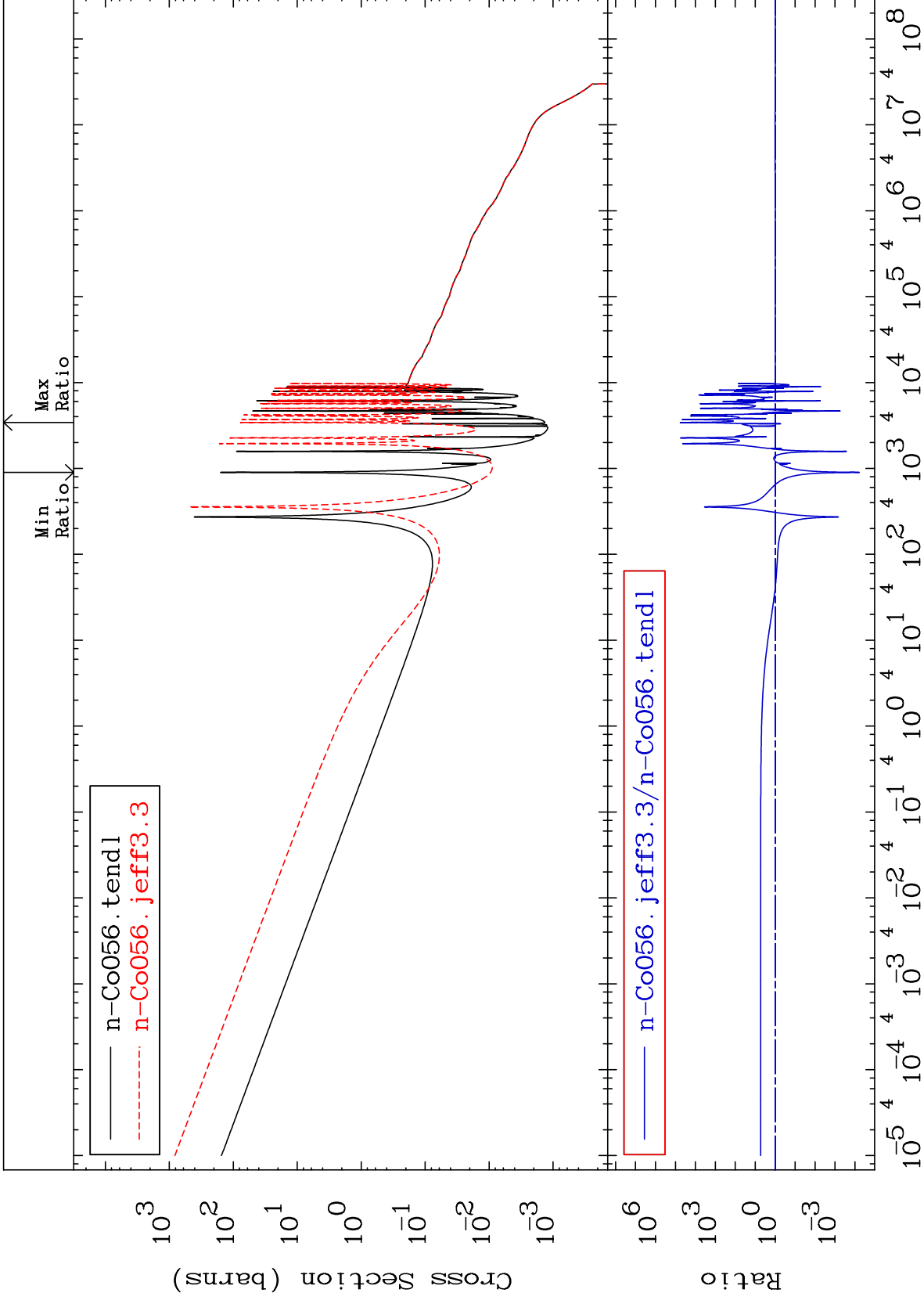
MAT 2716

(n,  $\gamma$ )

27-Co-56

Cross Section

-99.99 To 9999. %





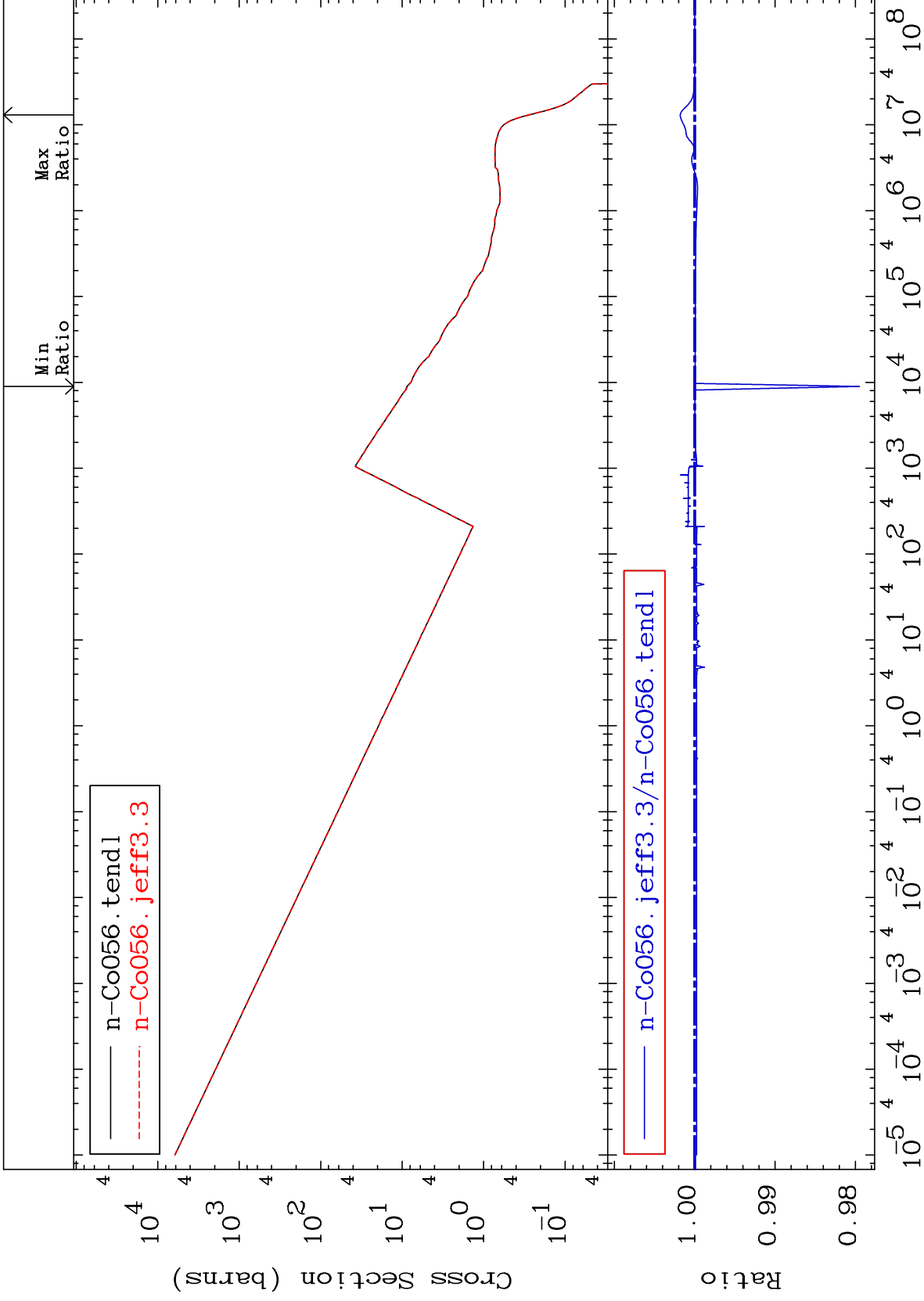
MAT 2716

(n, p)

27-Co-56

Cross Section

-2.048 To 0.182 %



49

Incident Energy (eV)

27-Co-56

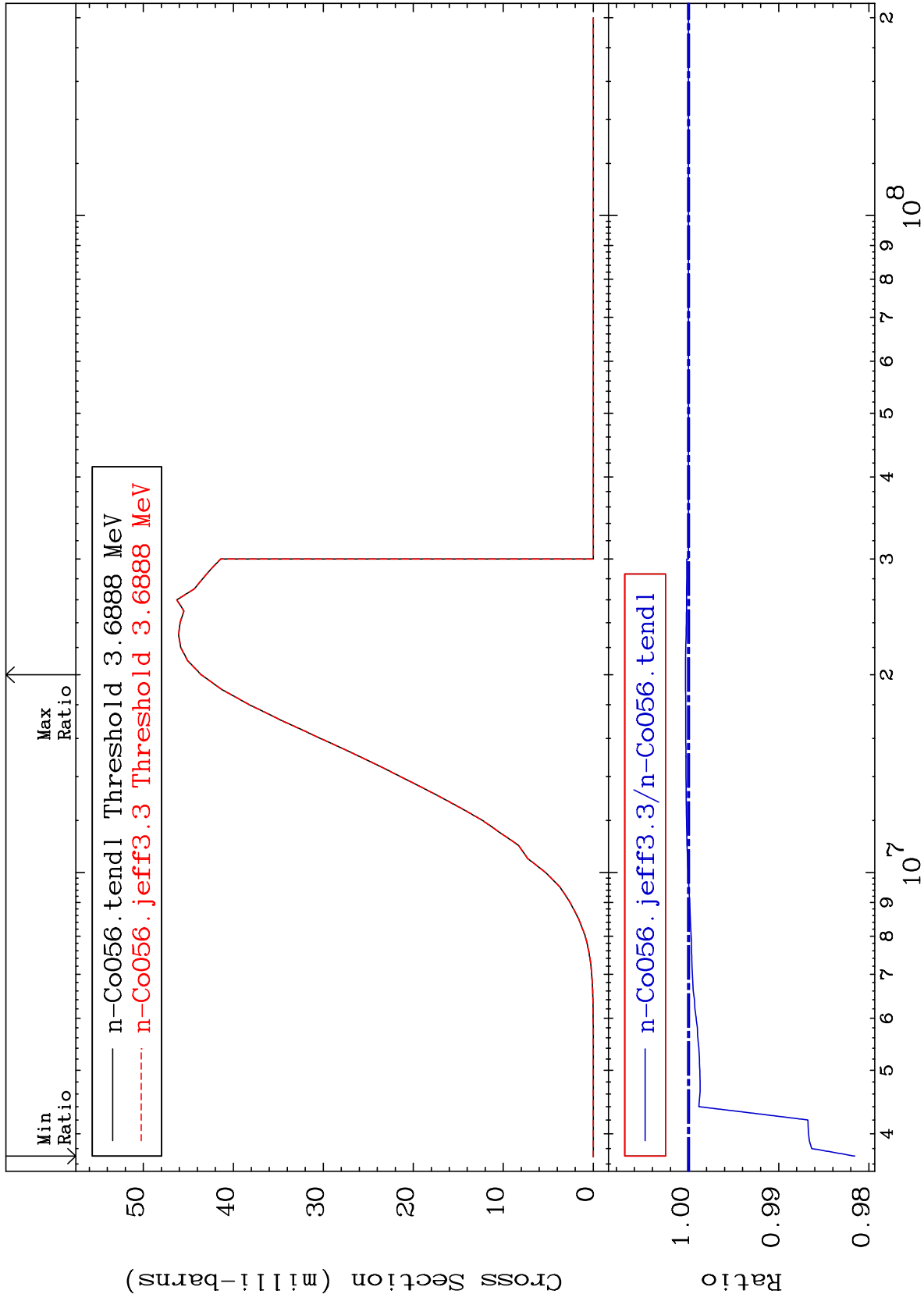
MAT 2716

(n, d)

<sup>27</sup>Co-56

Cross Section

-1.843 To 0.032 %



50

Incident Energy (eV)

<sup>27</sup>Co-56

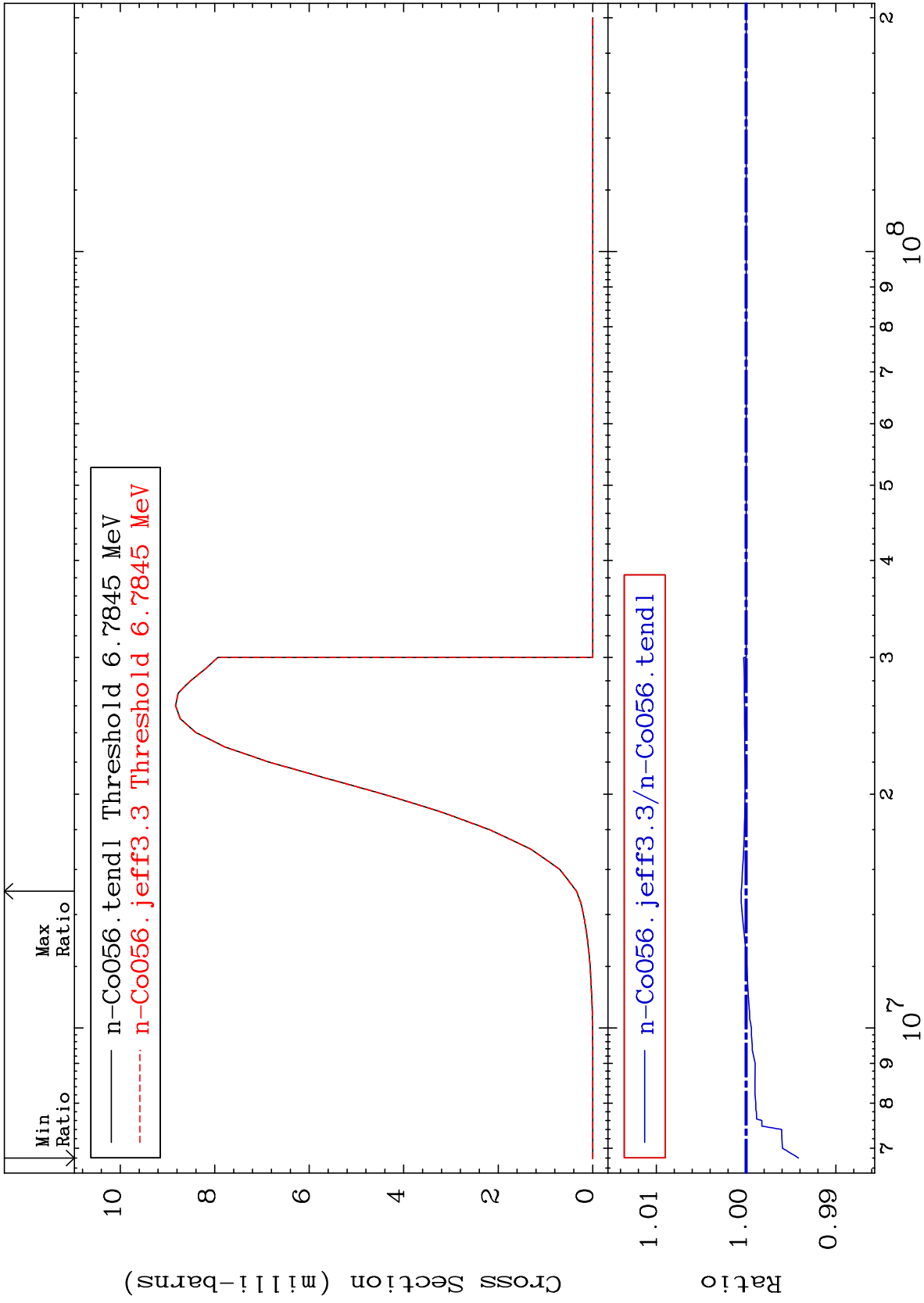
MAT 2716

(n, t)

27-Co-56

Cross Section

-0.584 To 0.054 %



51

Incident Energy (eV)

27-Co-56

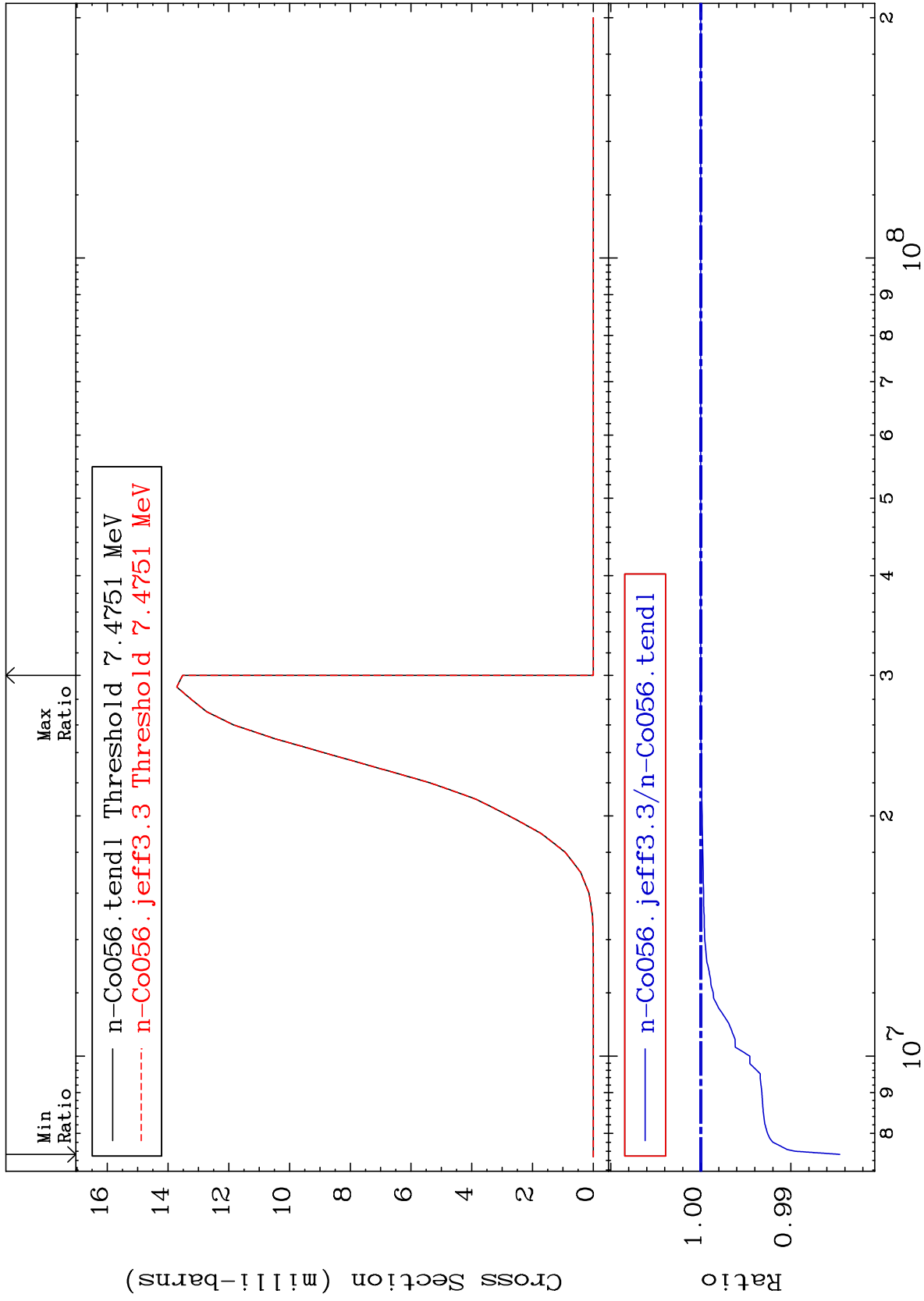
MAT 2716

(n, He-3)

<sup>27</sup>Co-56

Cross Section

-1.543 To 0.003 %



52

Incident Energy (eV)

<sup>27</sup>Co-56

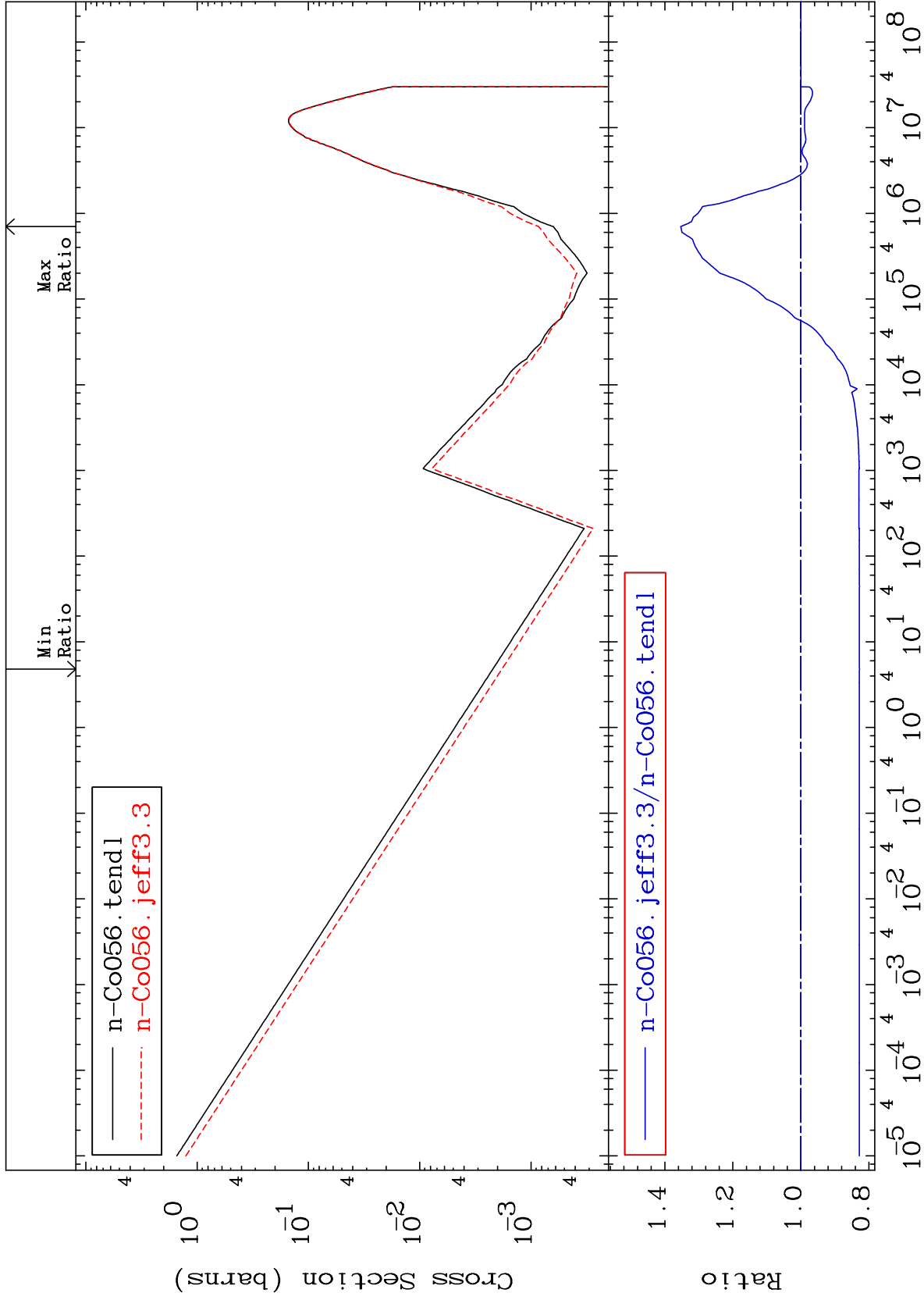
MAT 2716

(n,  $\alpha$ )

27-Co-56

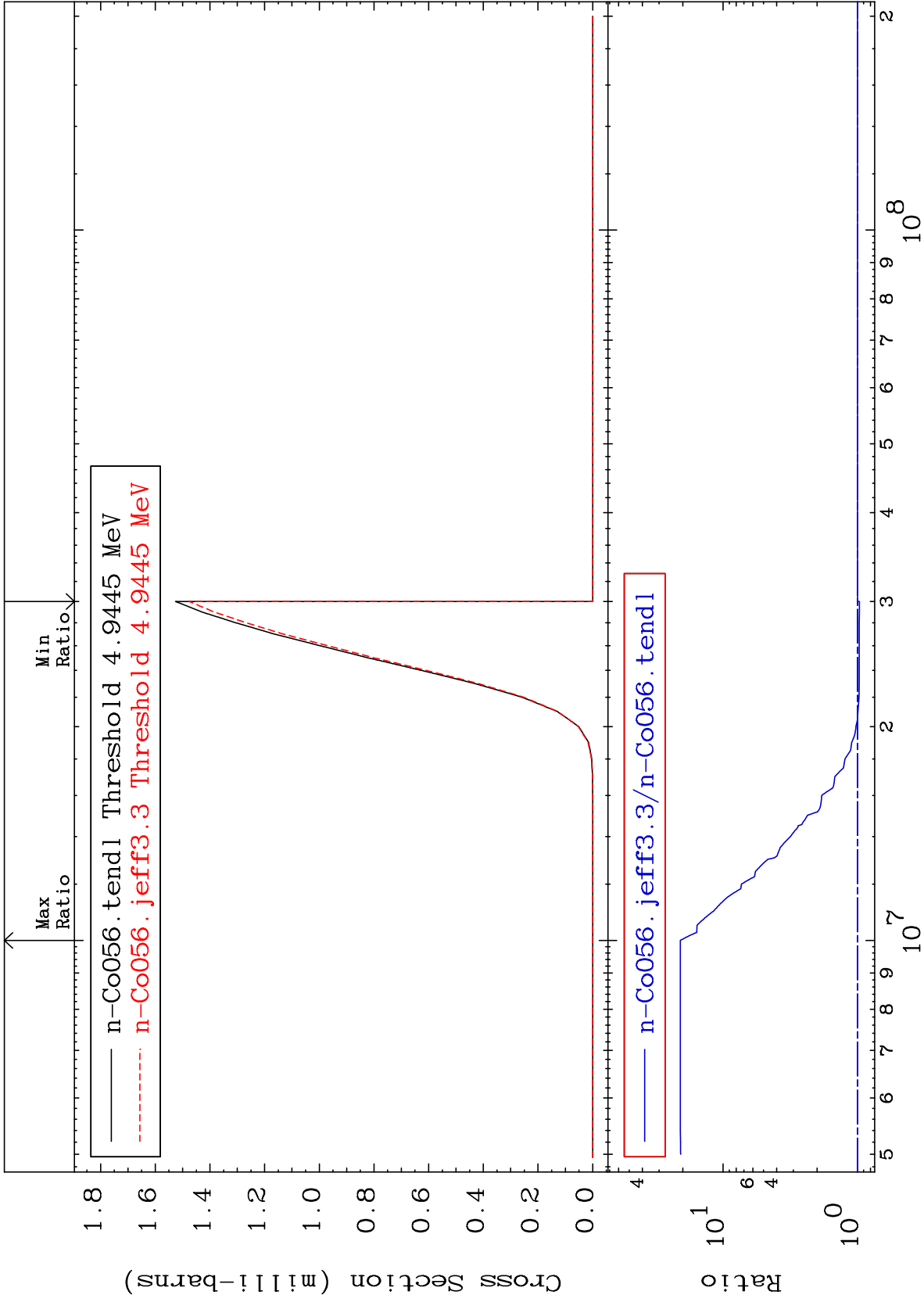
Cross Section

-17.24 To 35.31 %



Cross Section

-3.253 To 1982. %



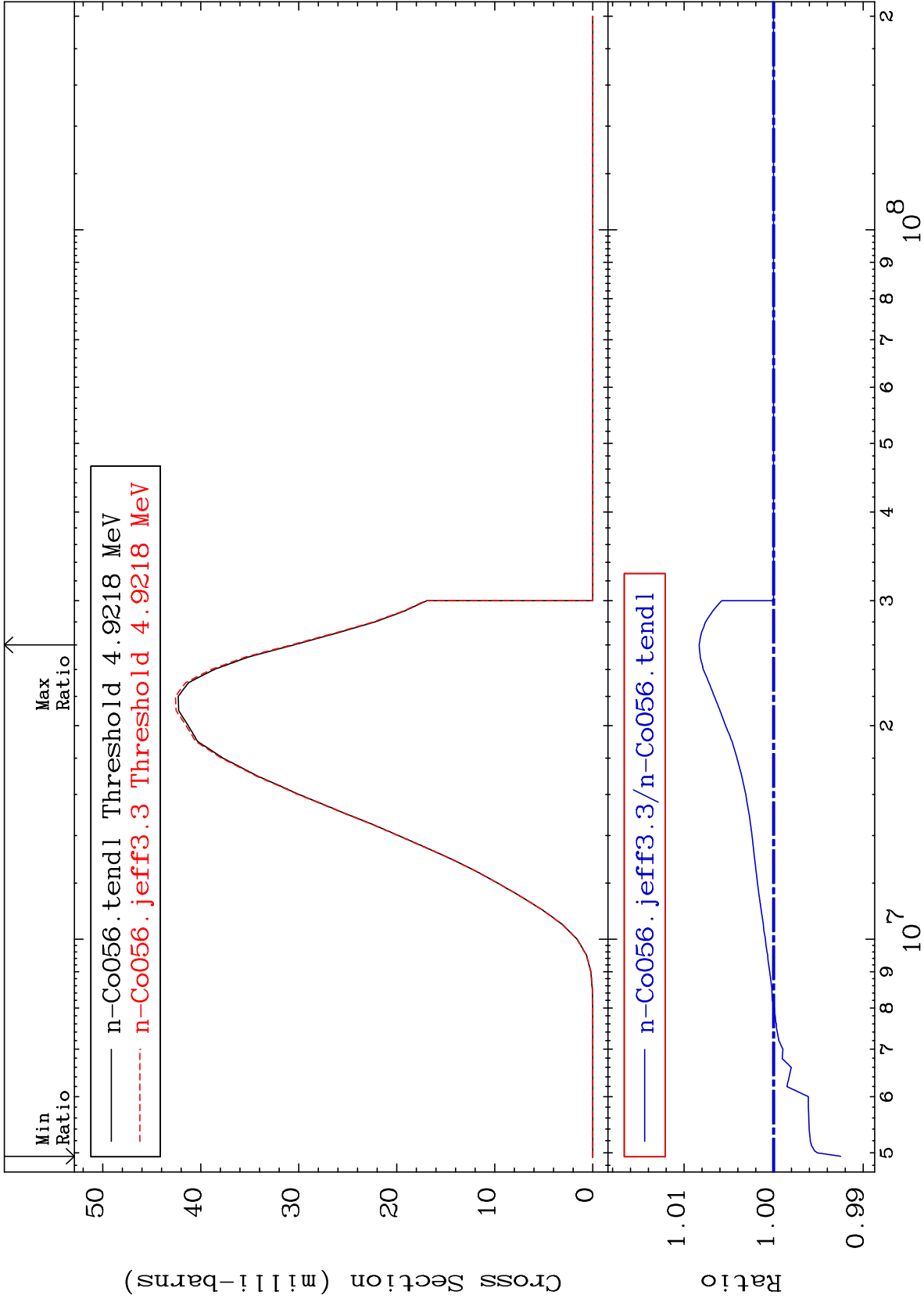
MAT 2716

(n,2p)

<sup>27</sup>Co-56

Cross Section

-0.749 To 0.833 %



55

Incident Energy (eV)

<sup>27</sup>Co-56

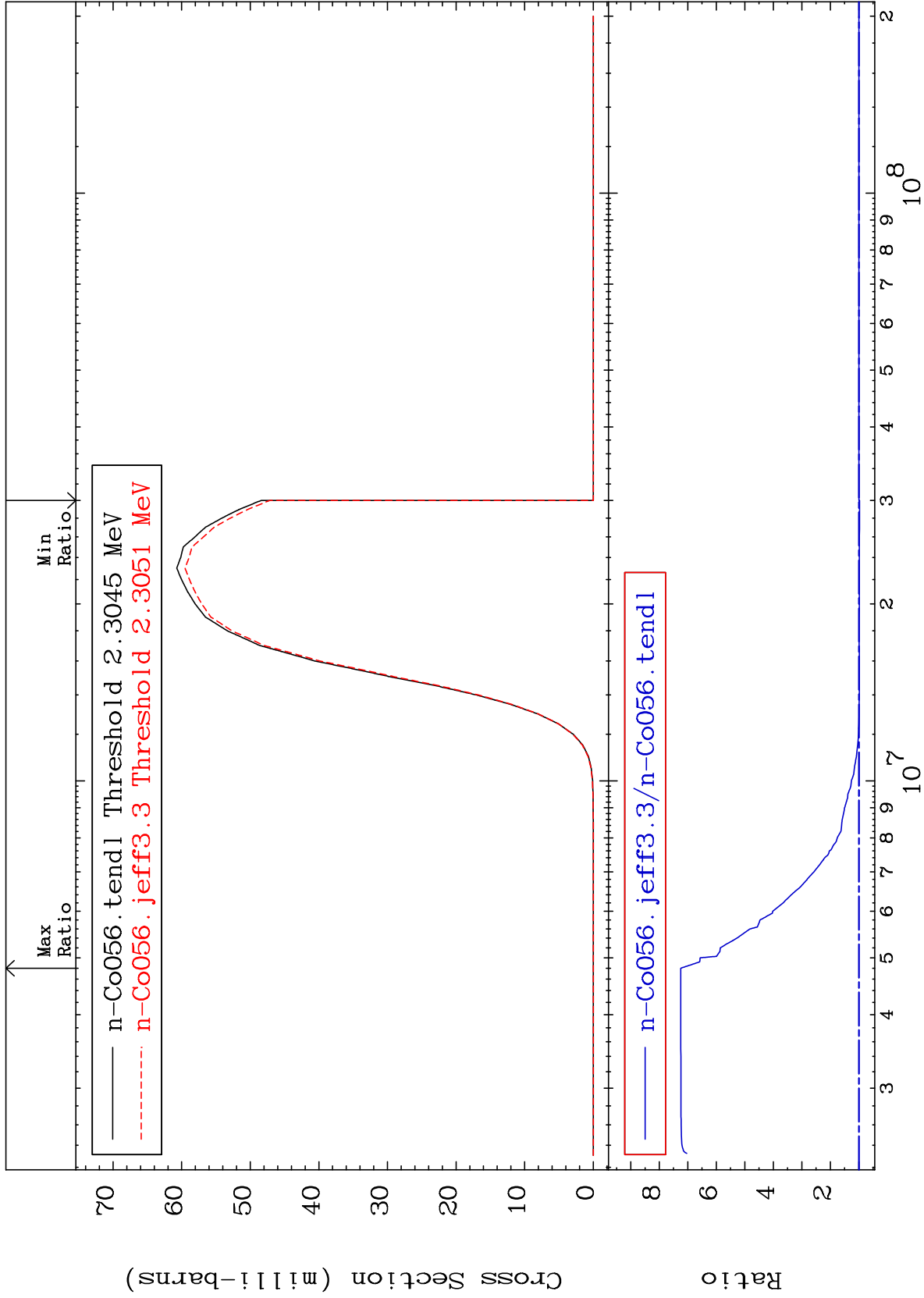
MAT 2716

(n, p)  $\alpha$

<sup>27</sup>Co-56

Cross Section

-2.550 To 624.6 %

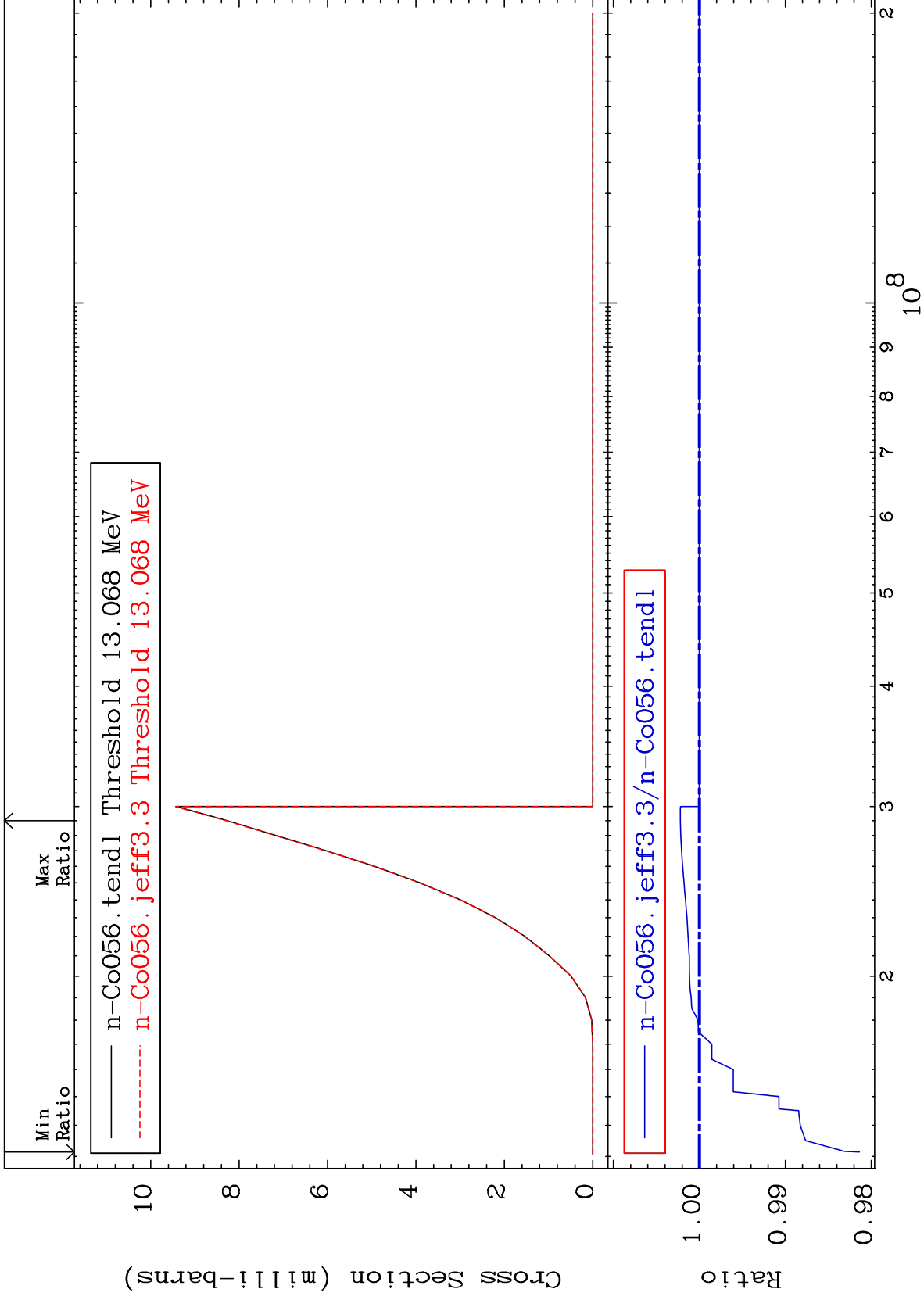


56

Incident Energy (eV)

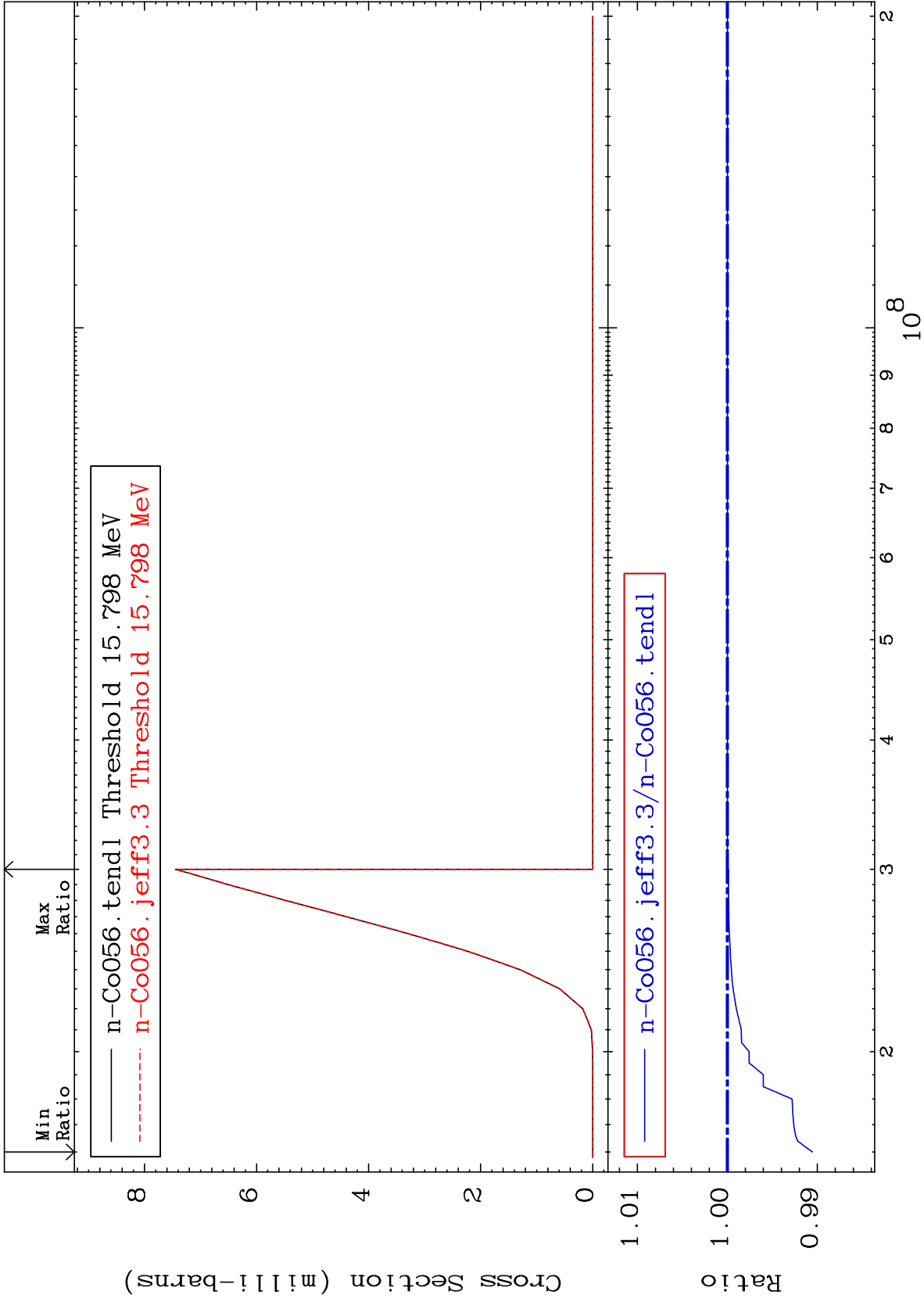
<sup>27</sup>Co-56

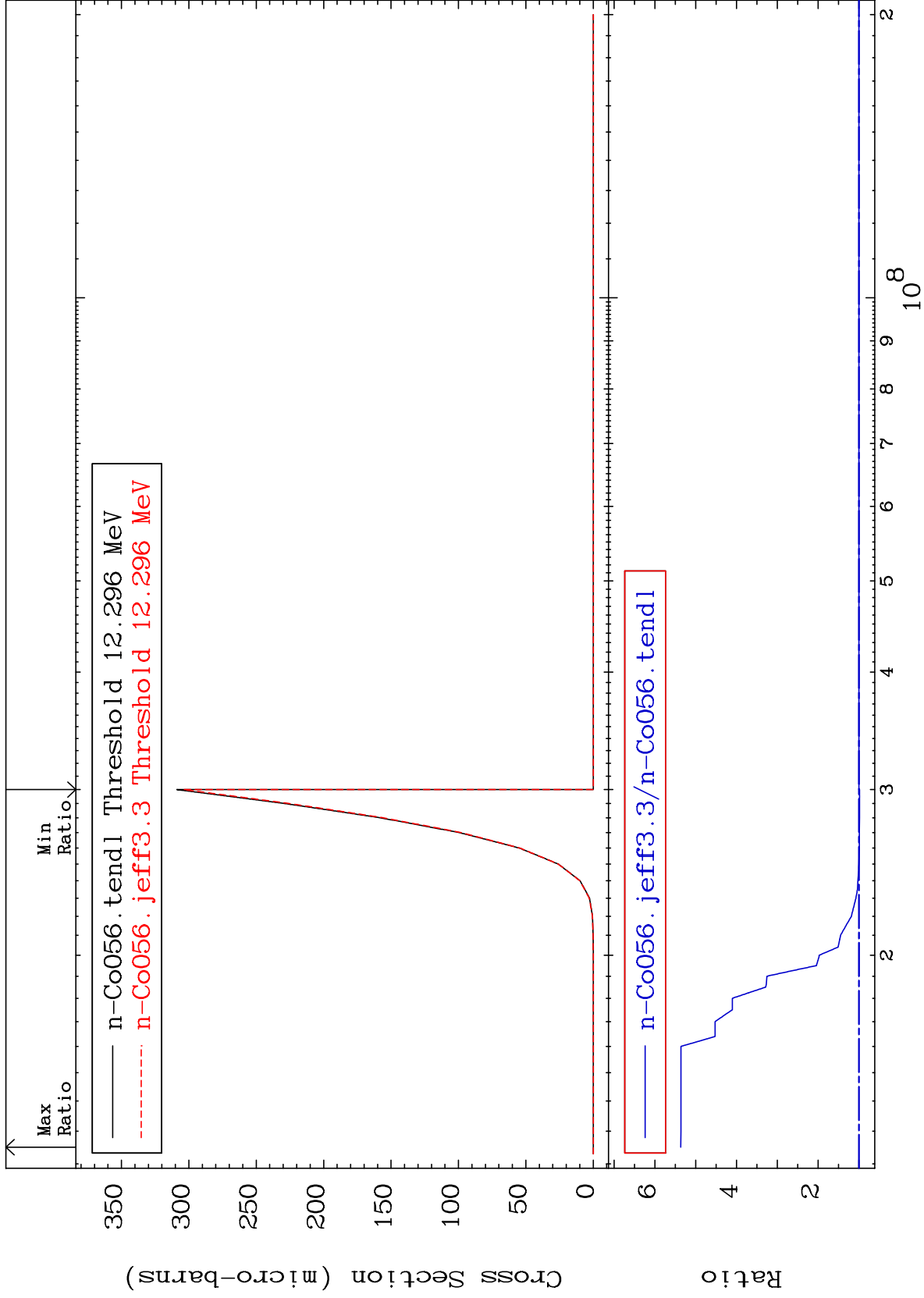


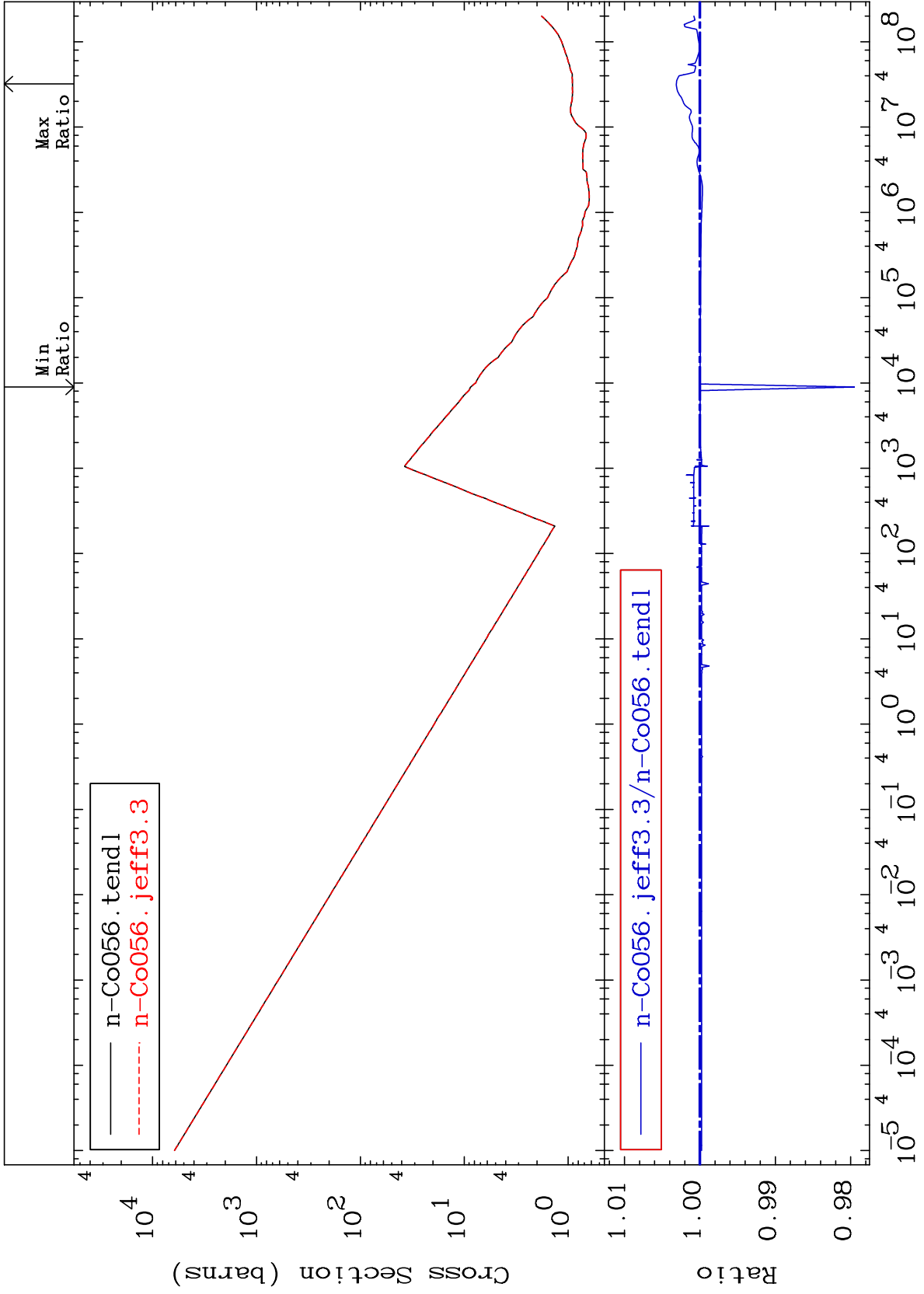


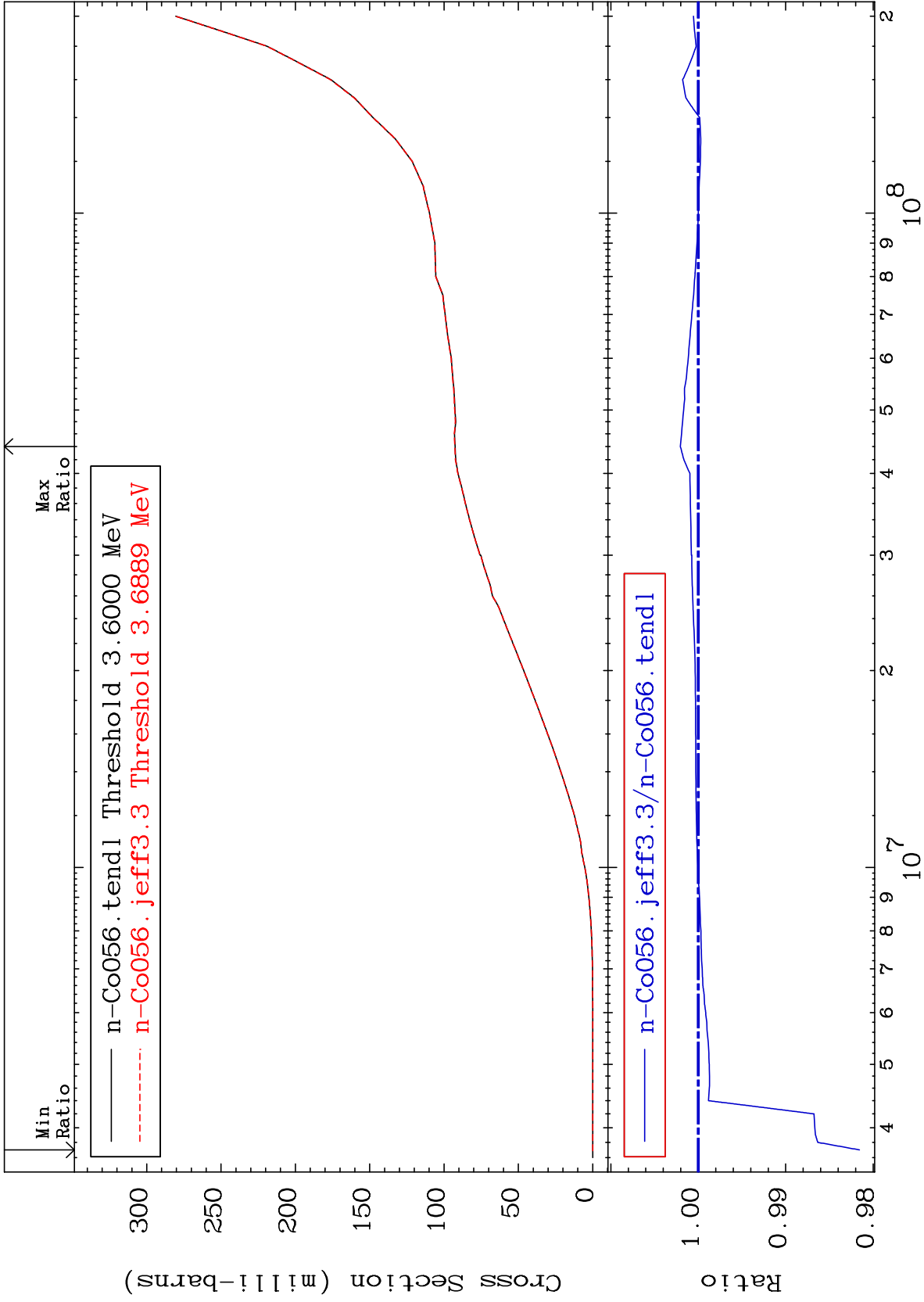
Cross Section

-0.945 To 0.000 %





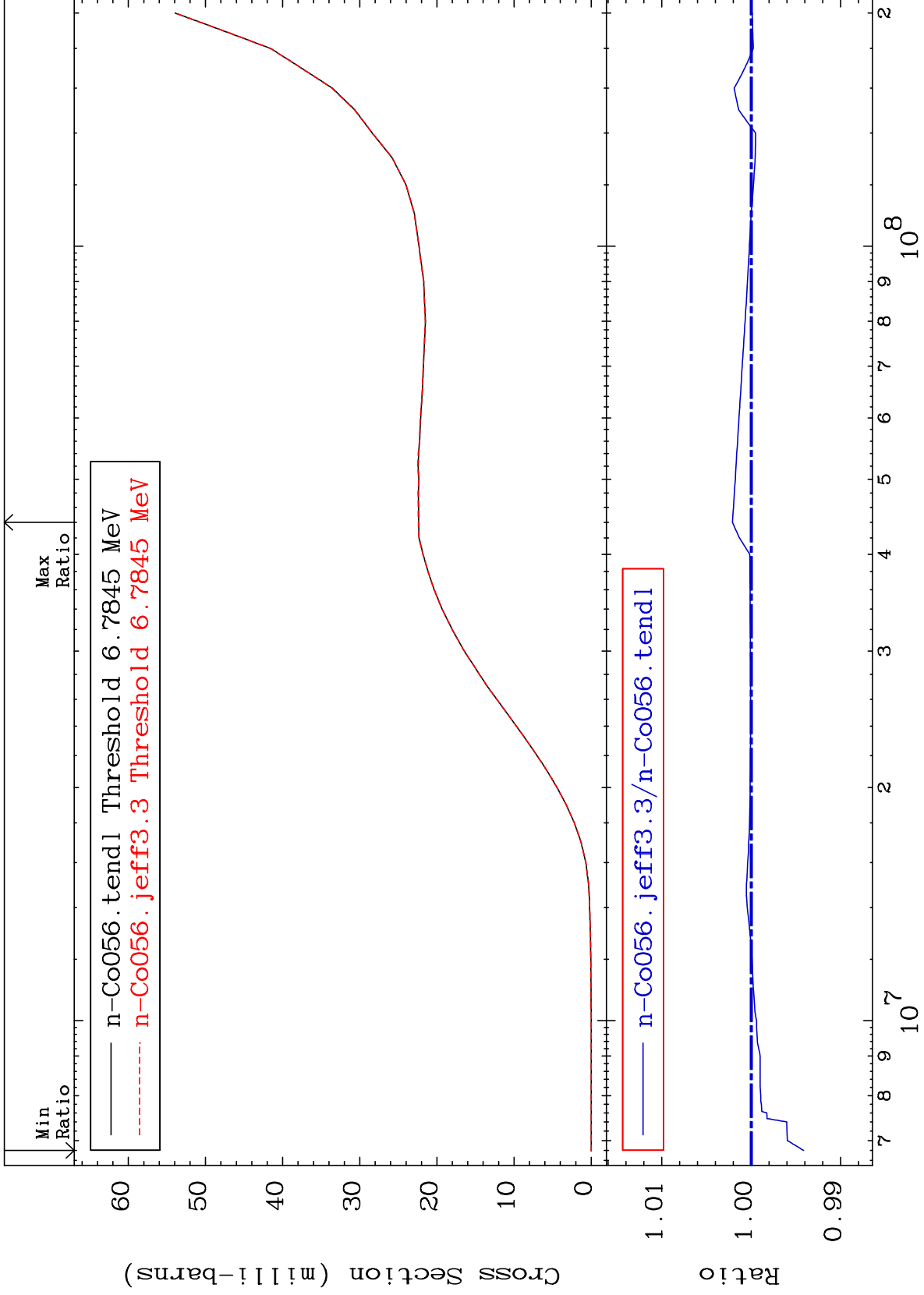




MAT 2716

Tritium Production  
Cross Section

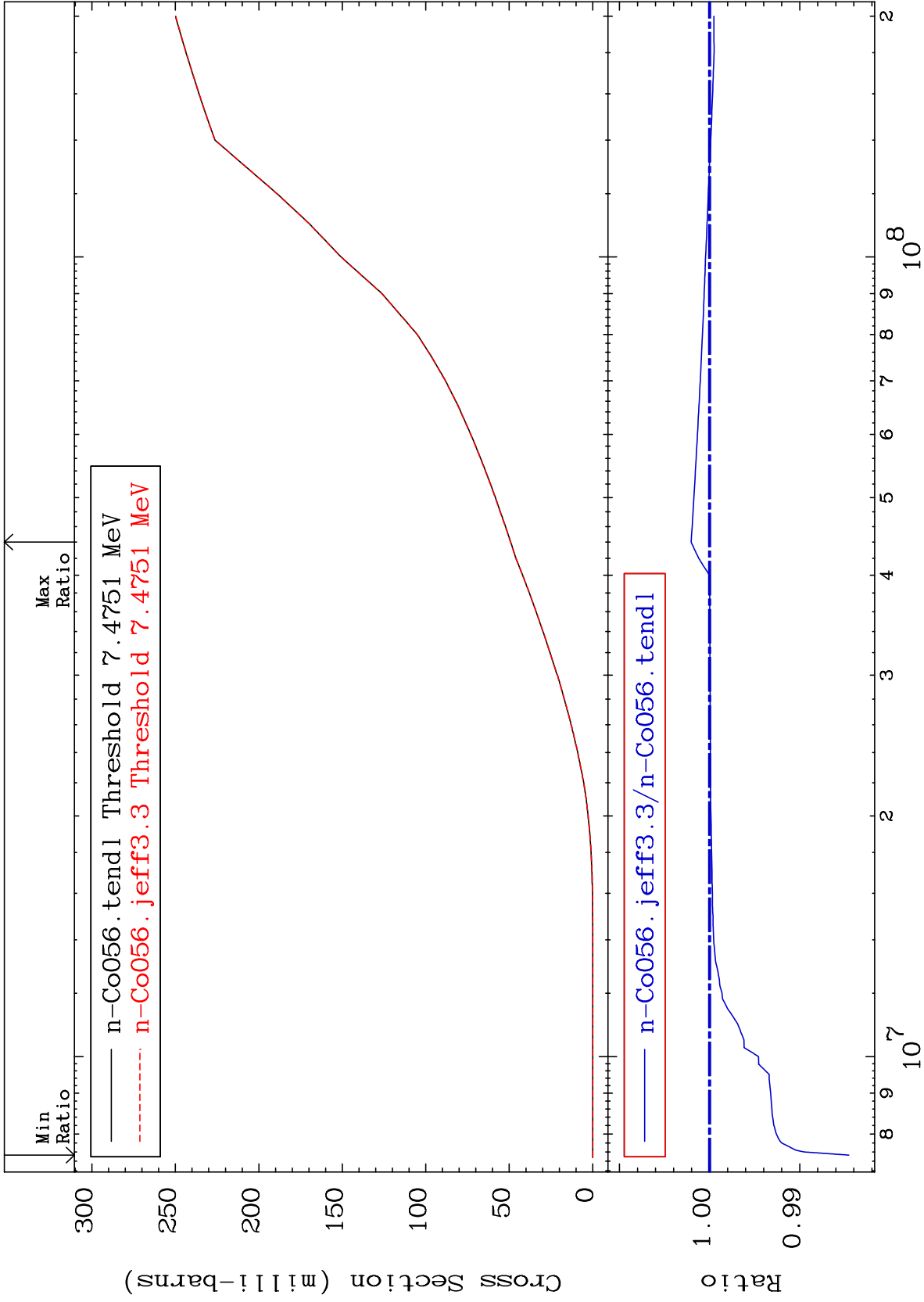
<sup>27</sup>Co-56  
-0.584 To 0.211 %



MAT 2716

He-3 Production  
Cross Section

27-Co-56  
-1.543 To 0.205 %



63

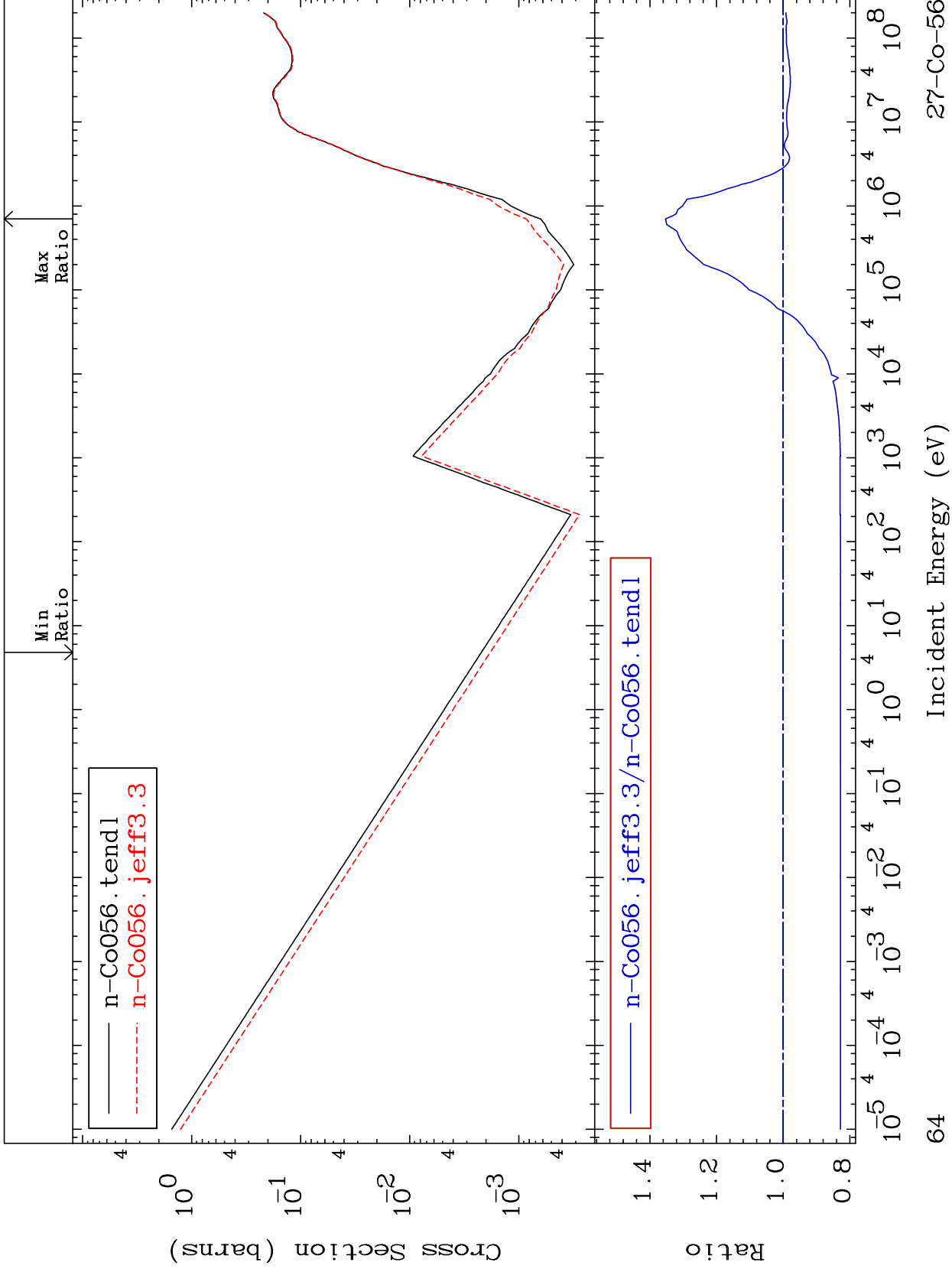
Incident Energy (eV)

27-Co-56

MAT 2716

He-4 Production  
Cross Section

27-Co-56  
-17.24 To 35.31 %

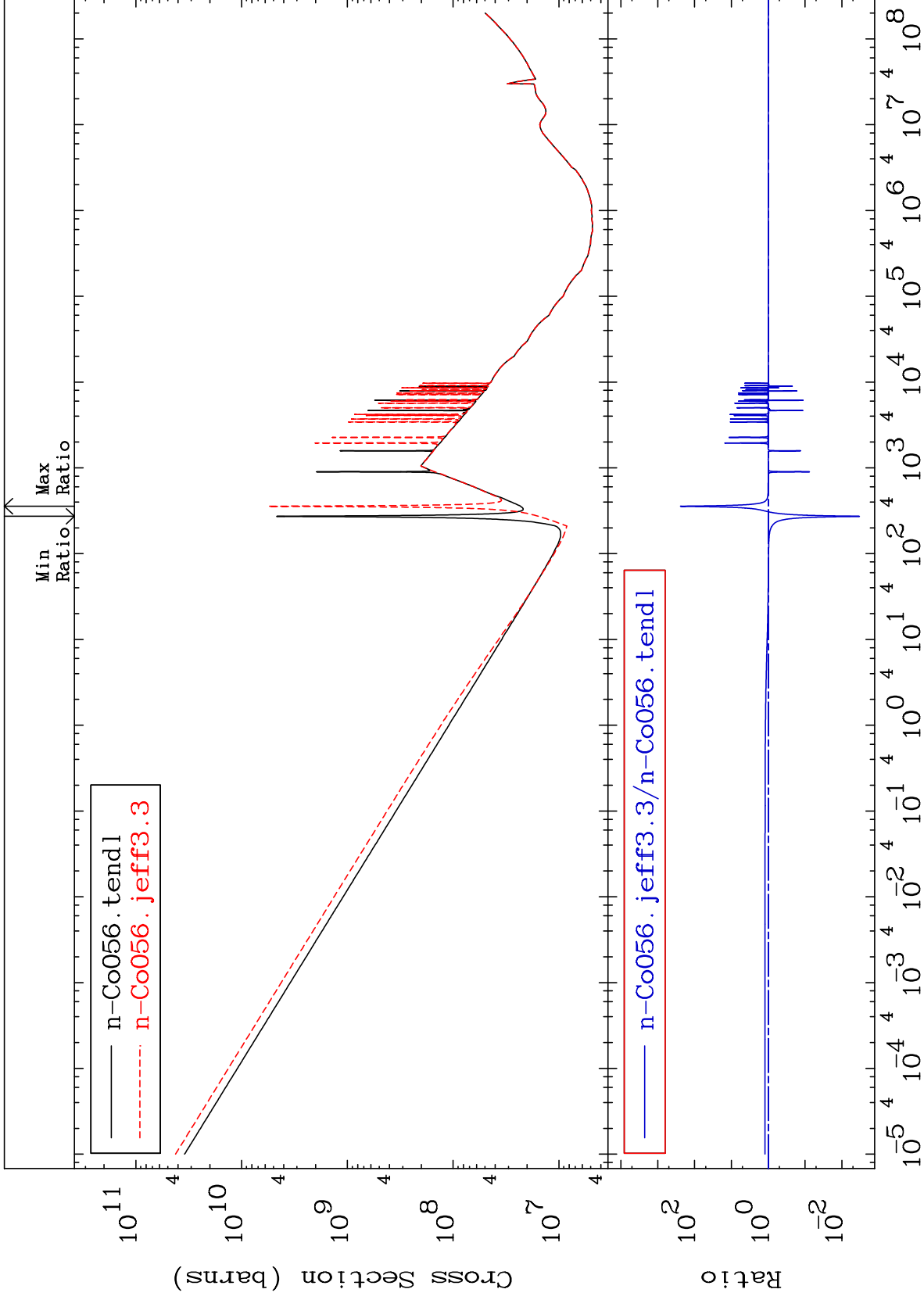


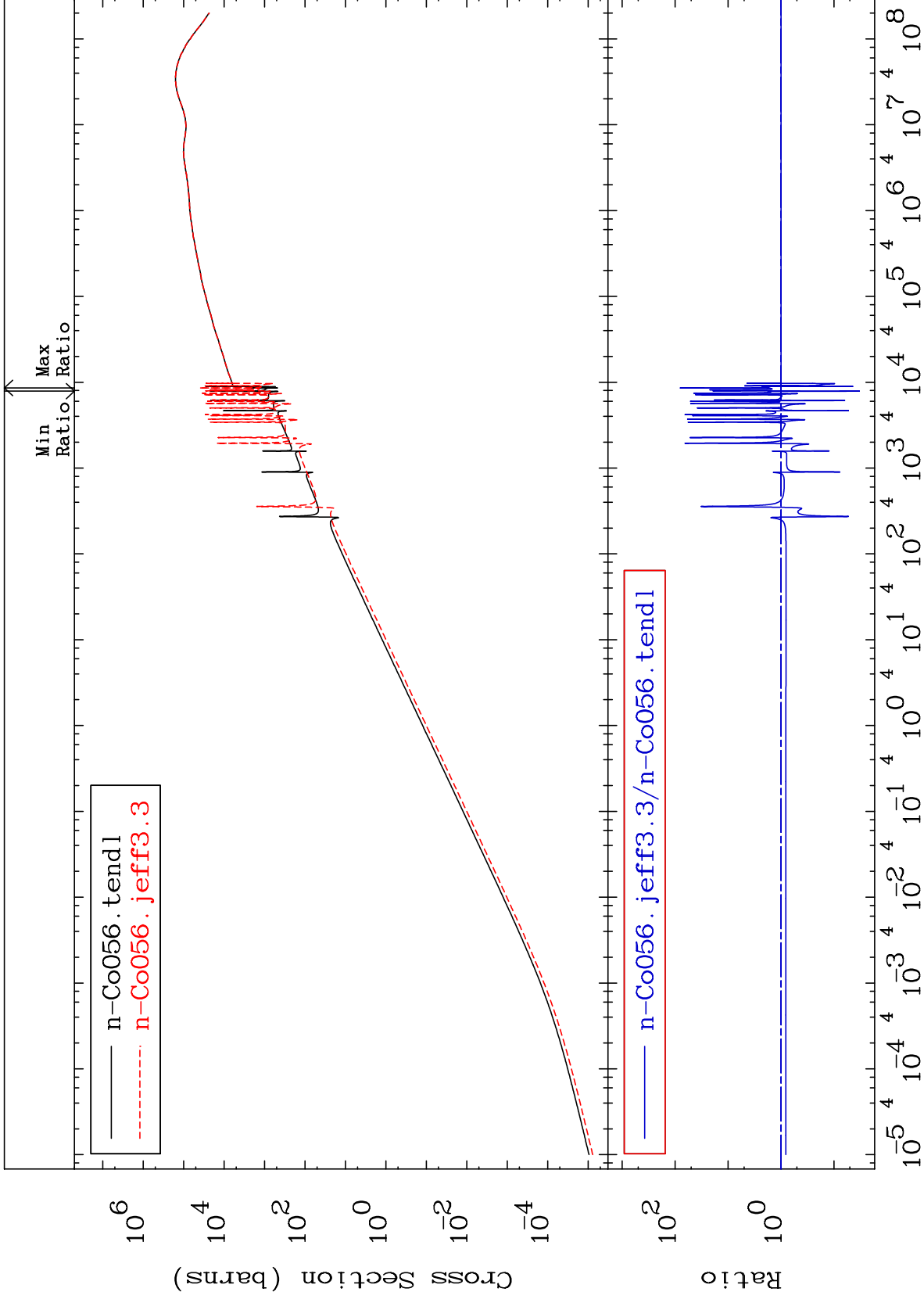
64

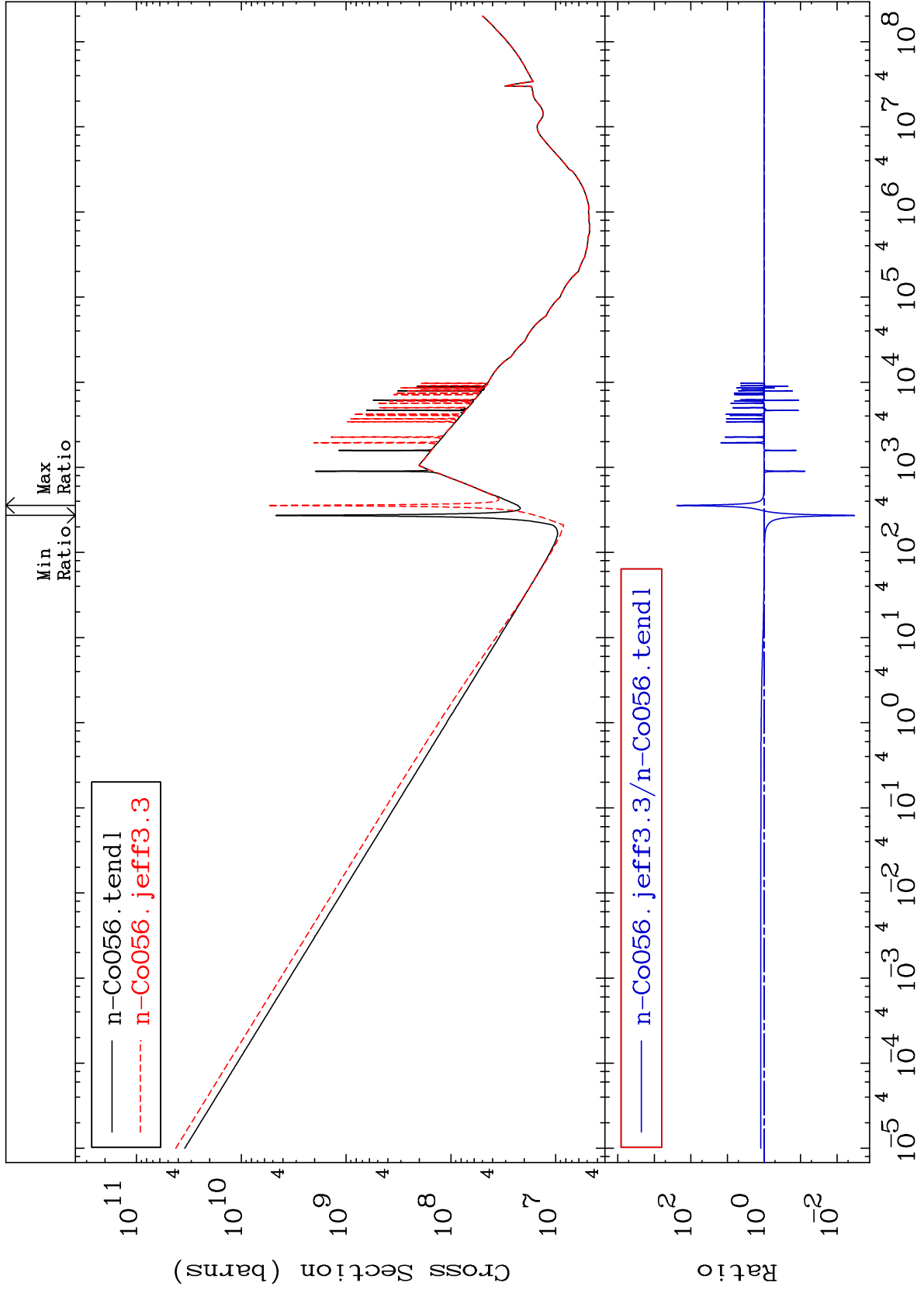
Incident Energy (eV)

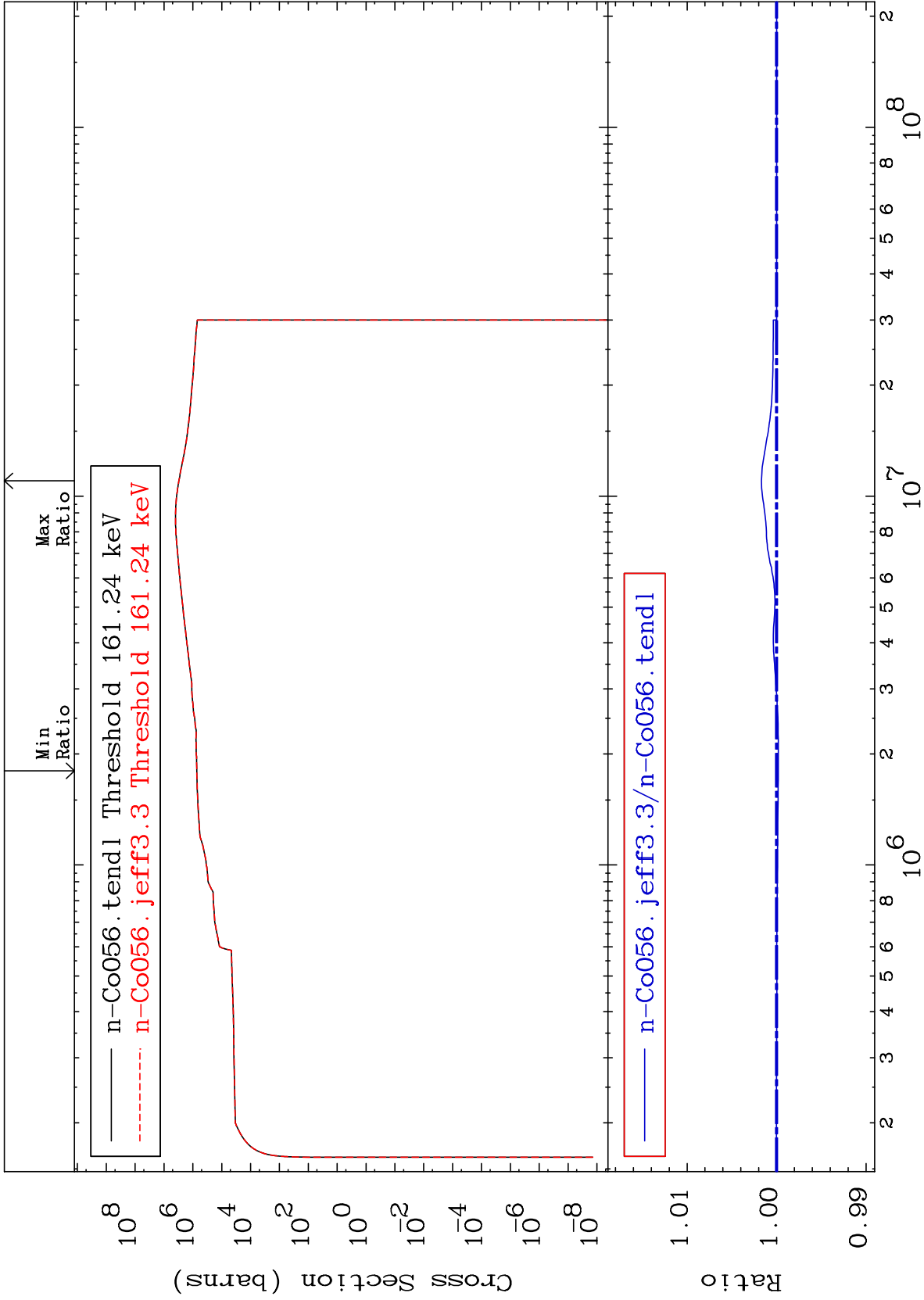
27-Co-56







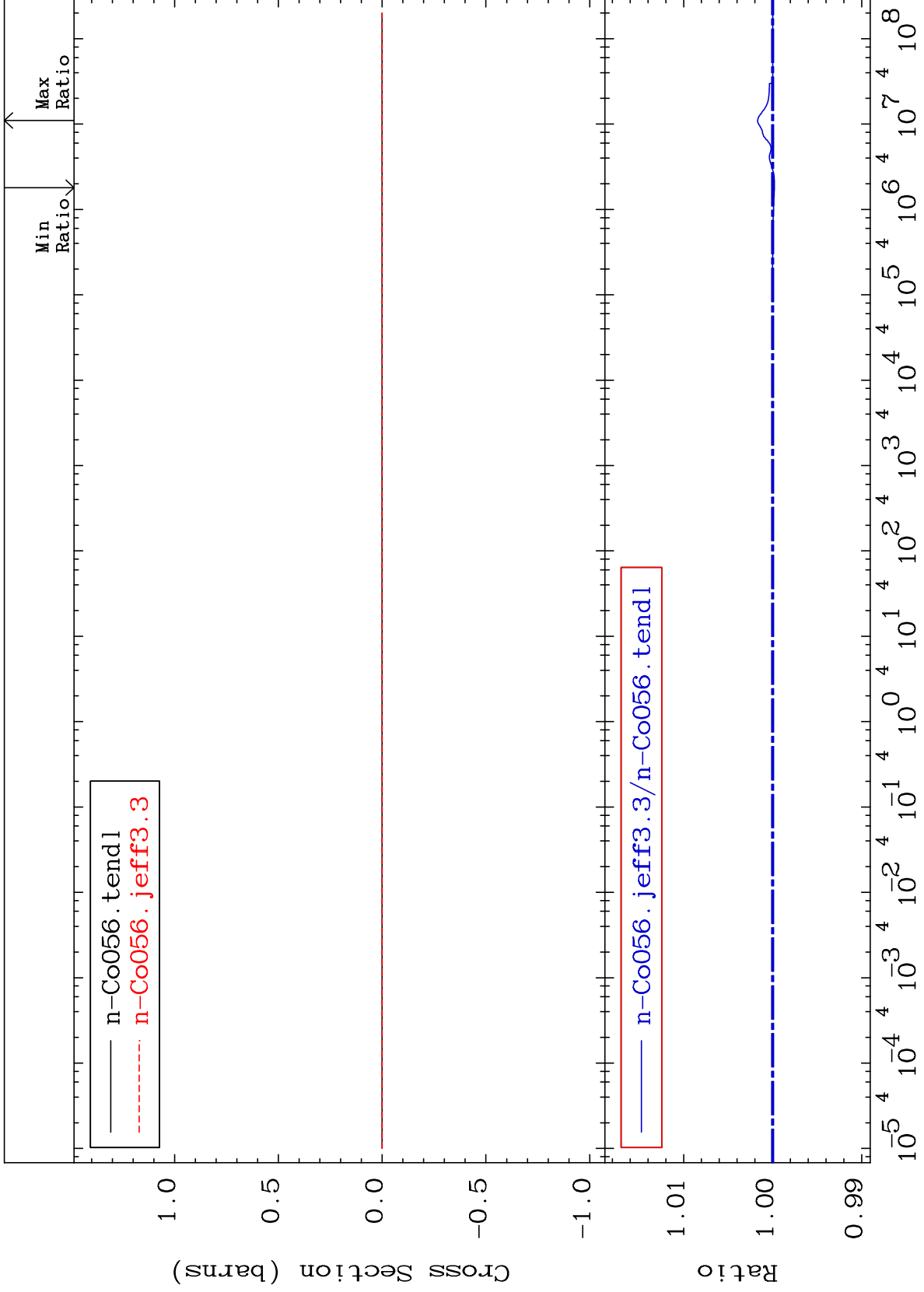




MAT 2716

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

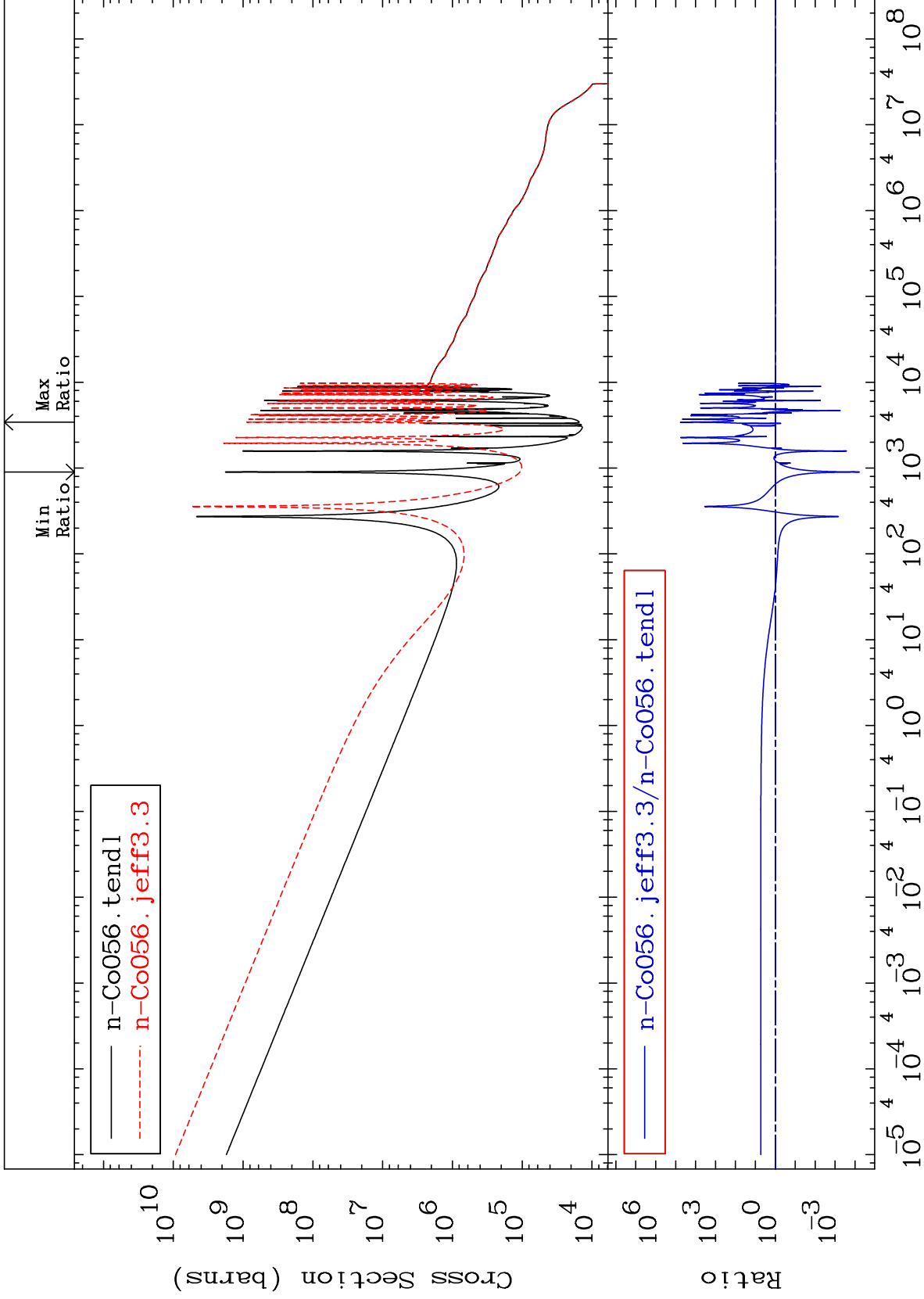
27-Co-56  
-0.019 To 0.169 %

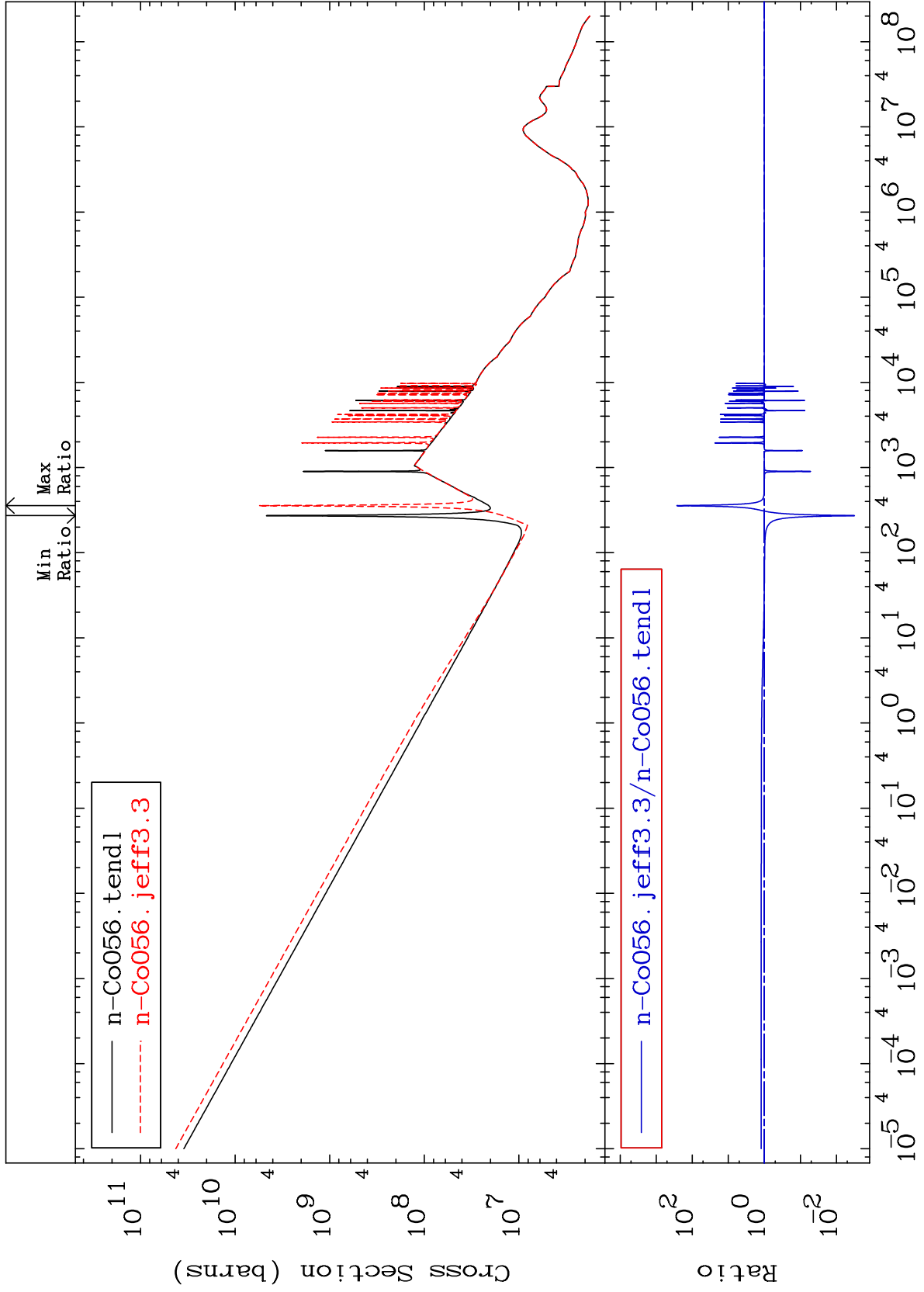


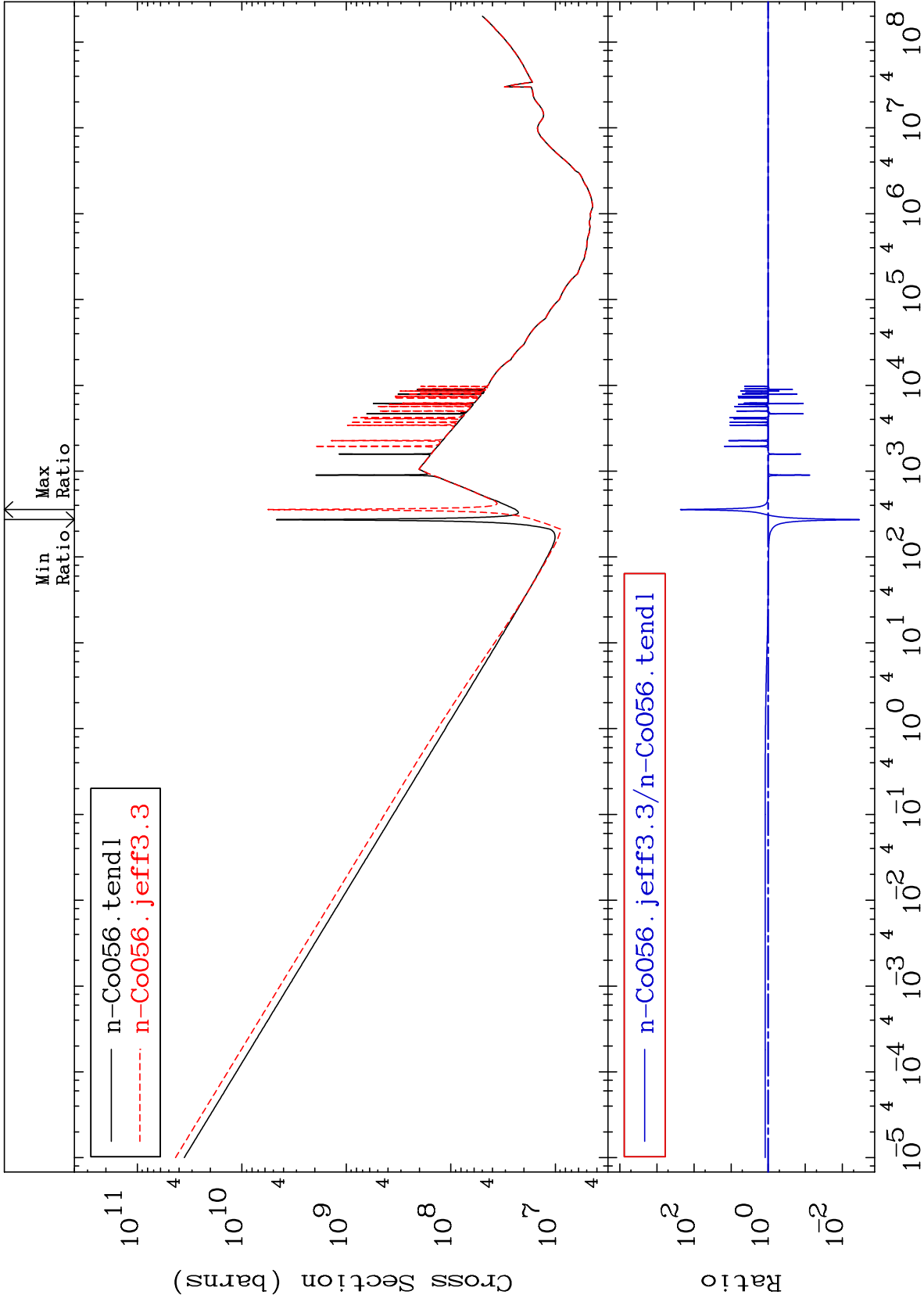
69

Incident Energy (eV)

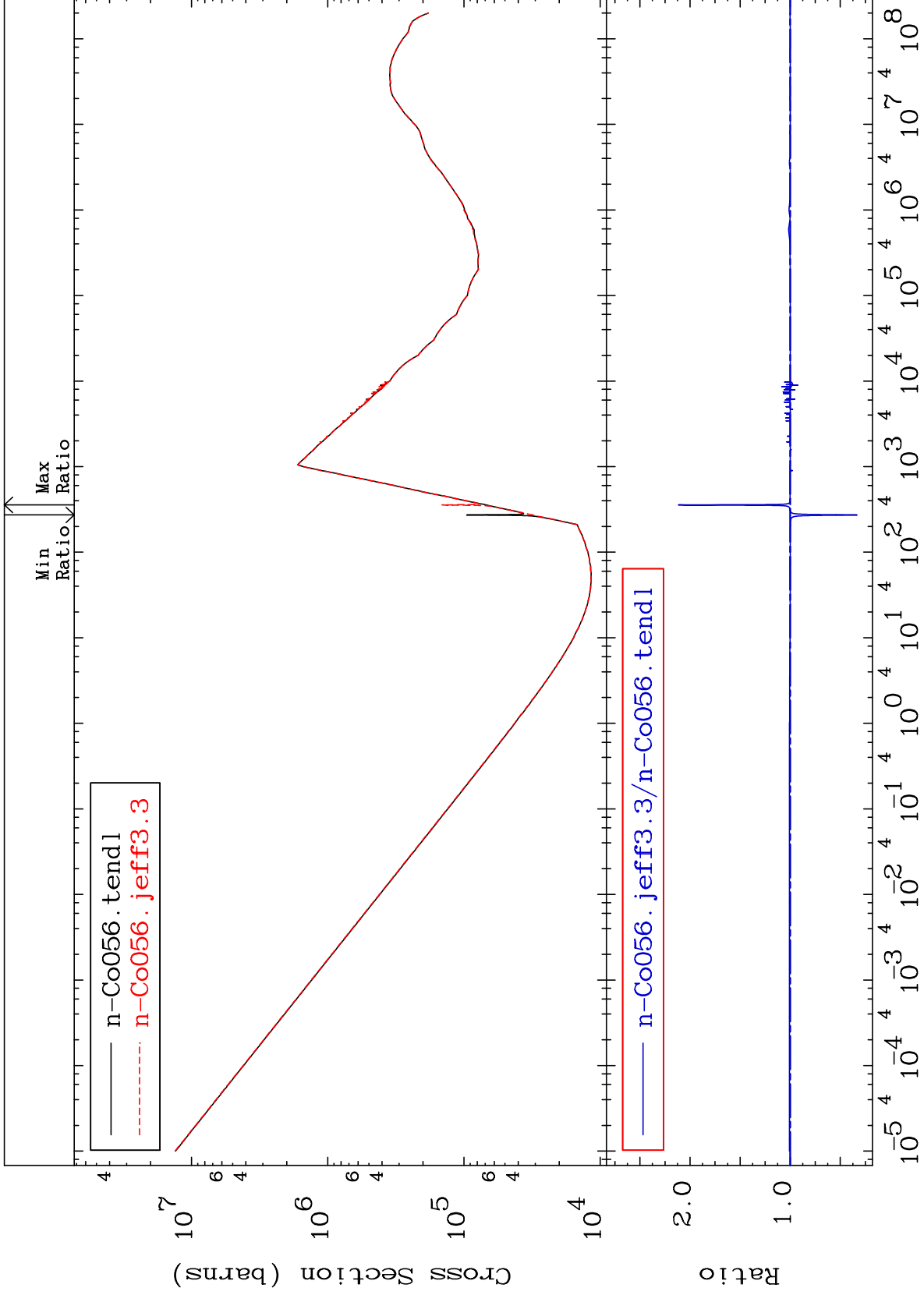
27-Co-56

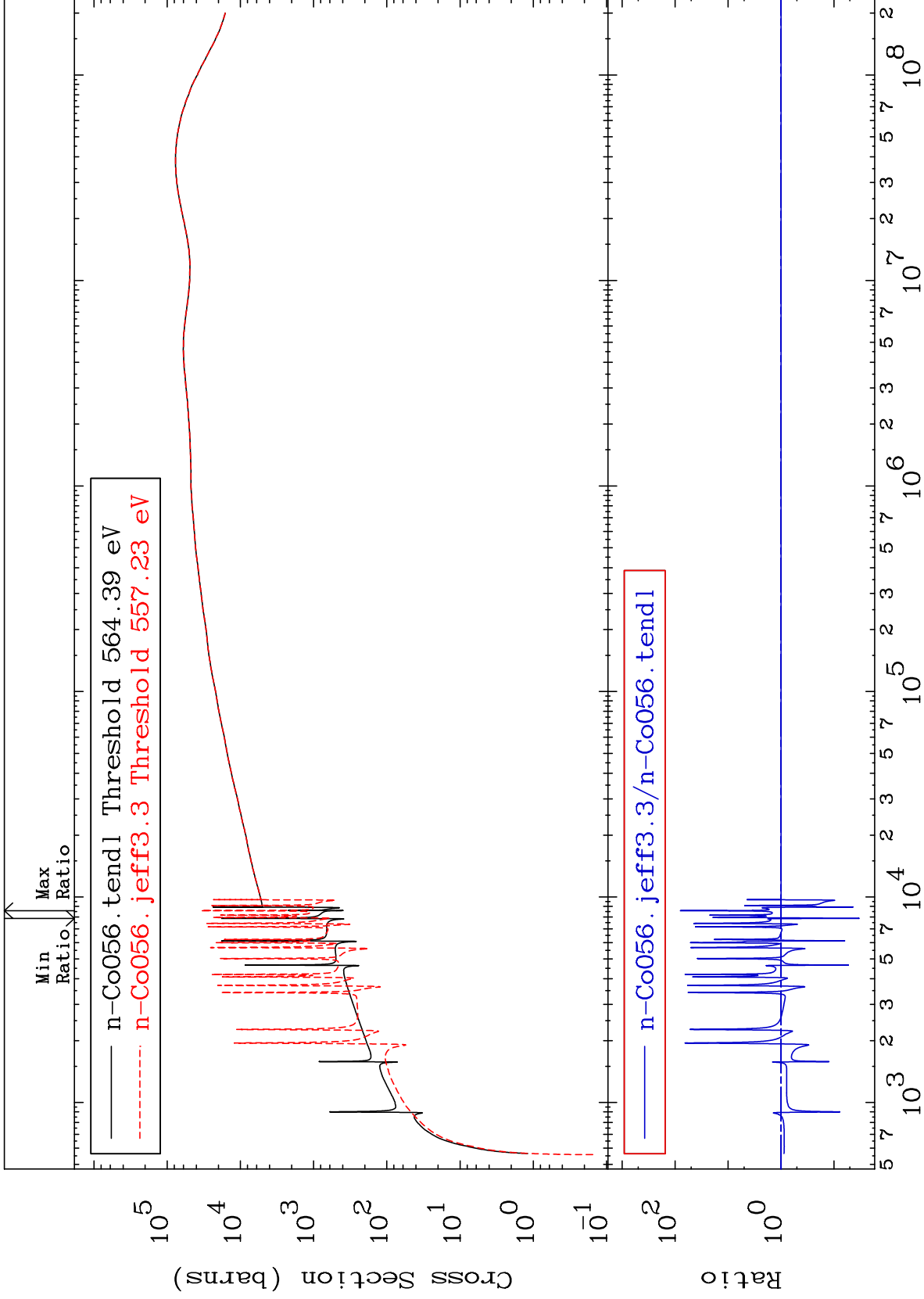


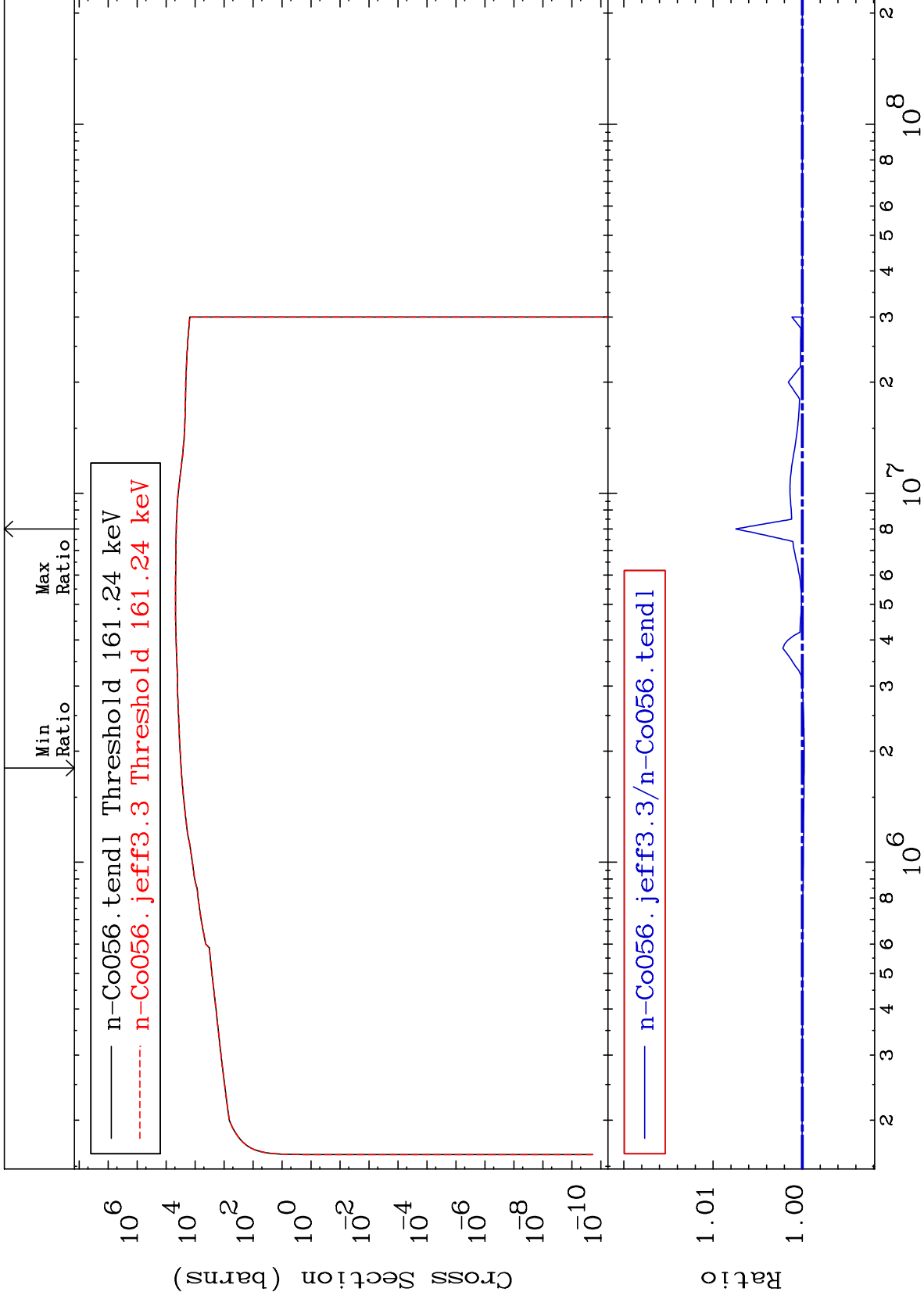


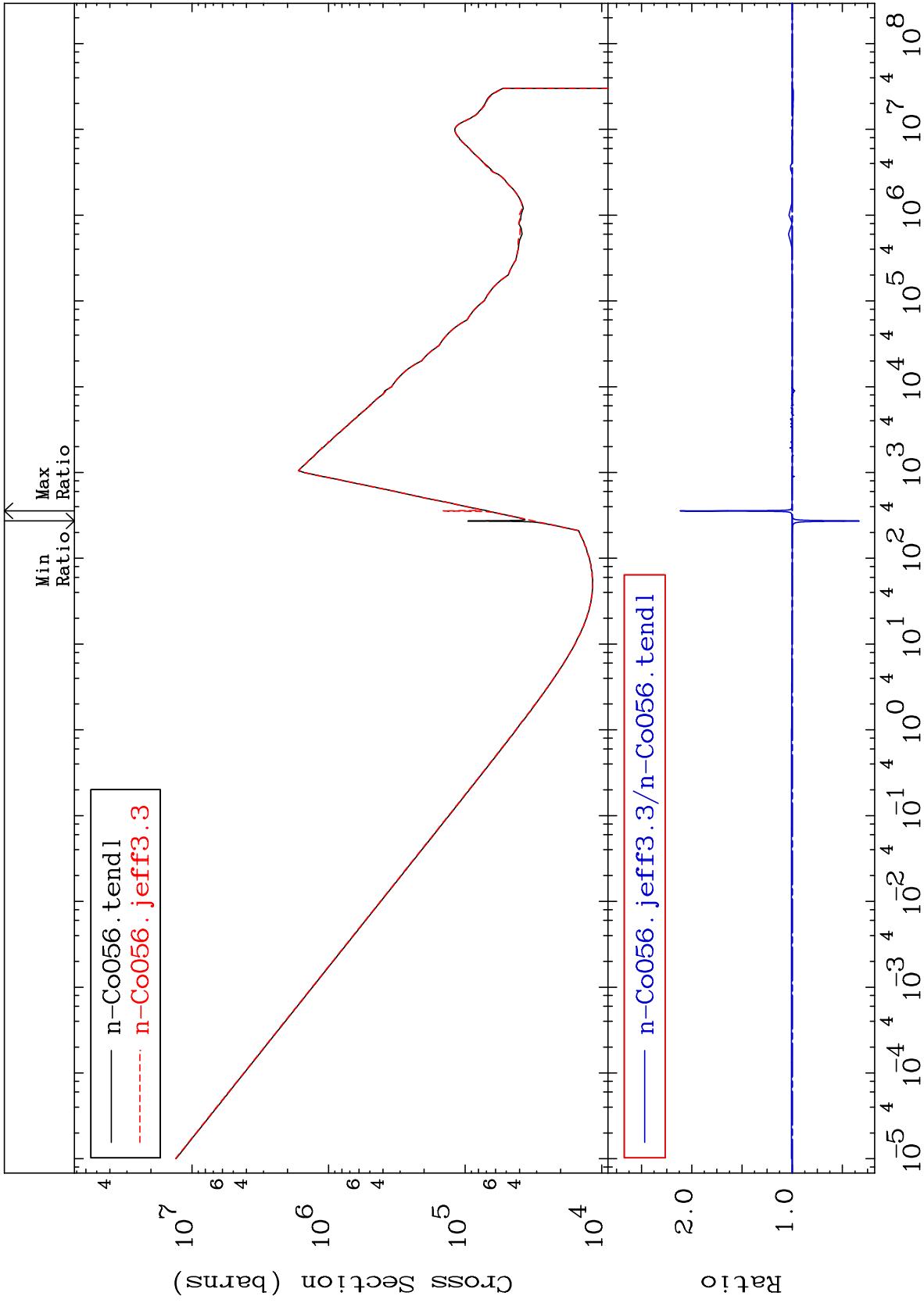










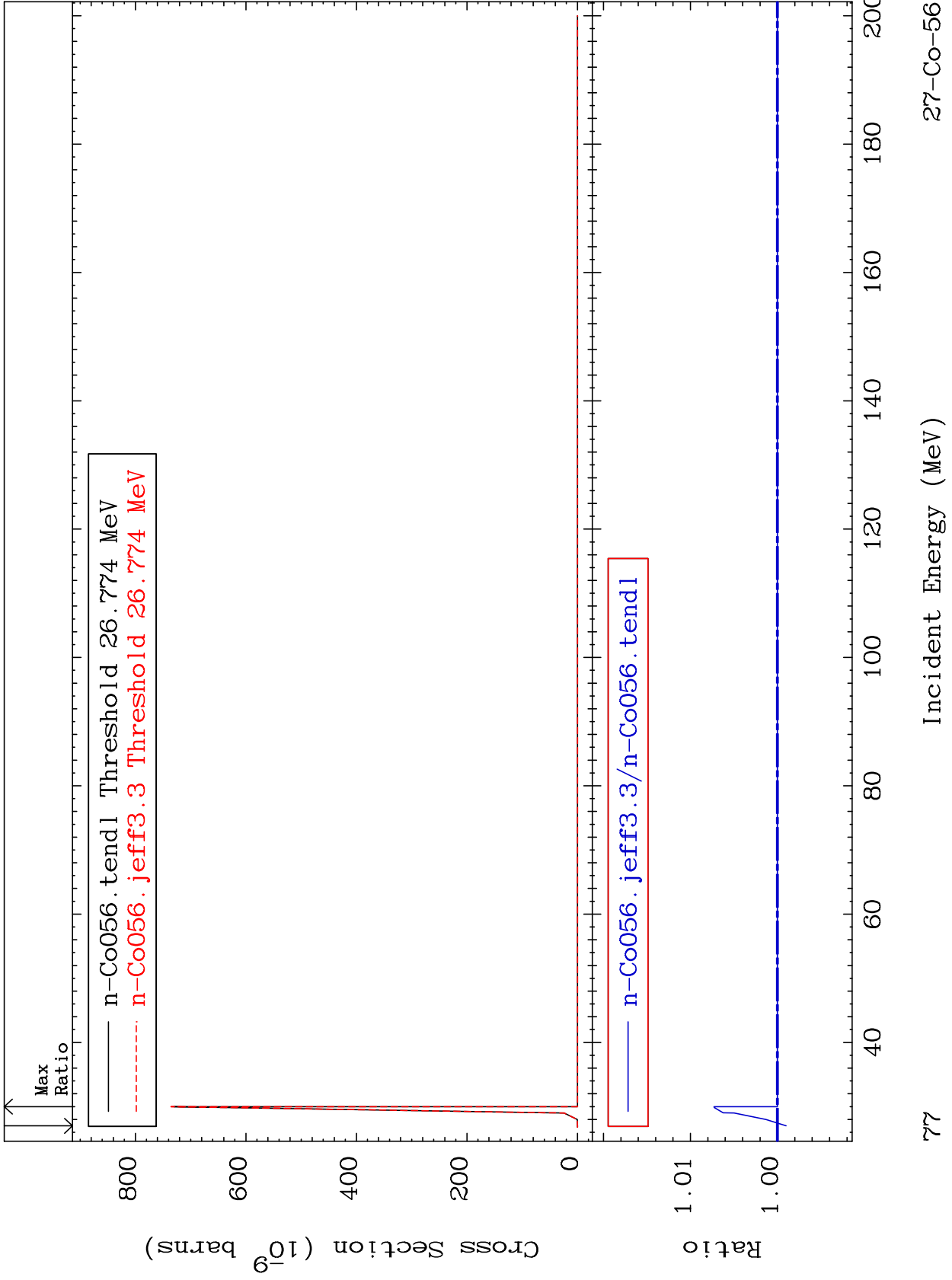


MAT 2716

(n,2n) d:26-Fe-53g

27-Co-56

Radionuclide Production Cross Section -0.100 To 0.728 %



77

Incident Energy (MeV)

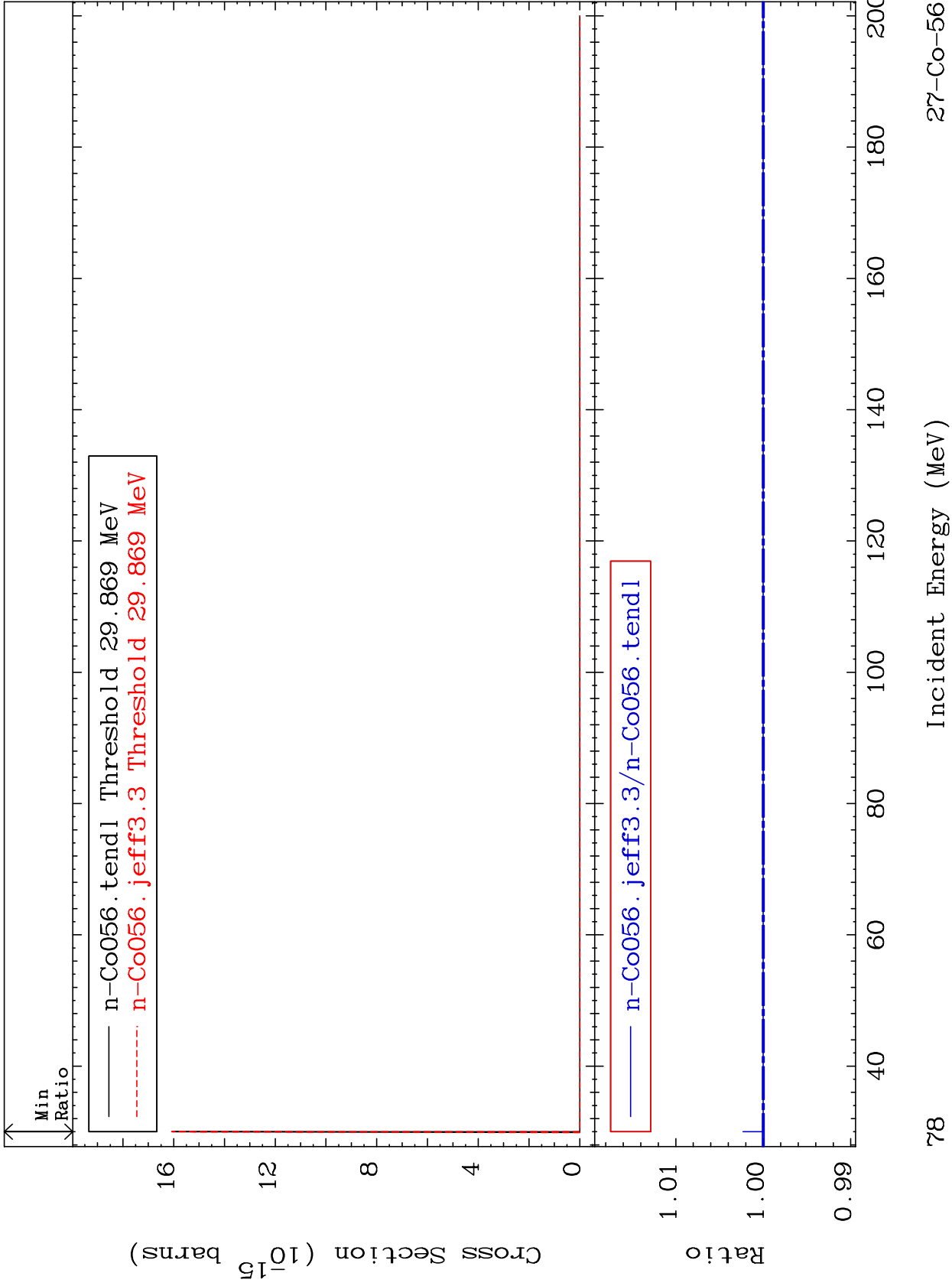
27-Co-56

MAT 2716

(n,2n) d:26-Fe-53m22

27-Co-56

Radionuclide Production Cross Section 0.000 To 0.232 %



78

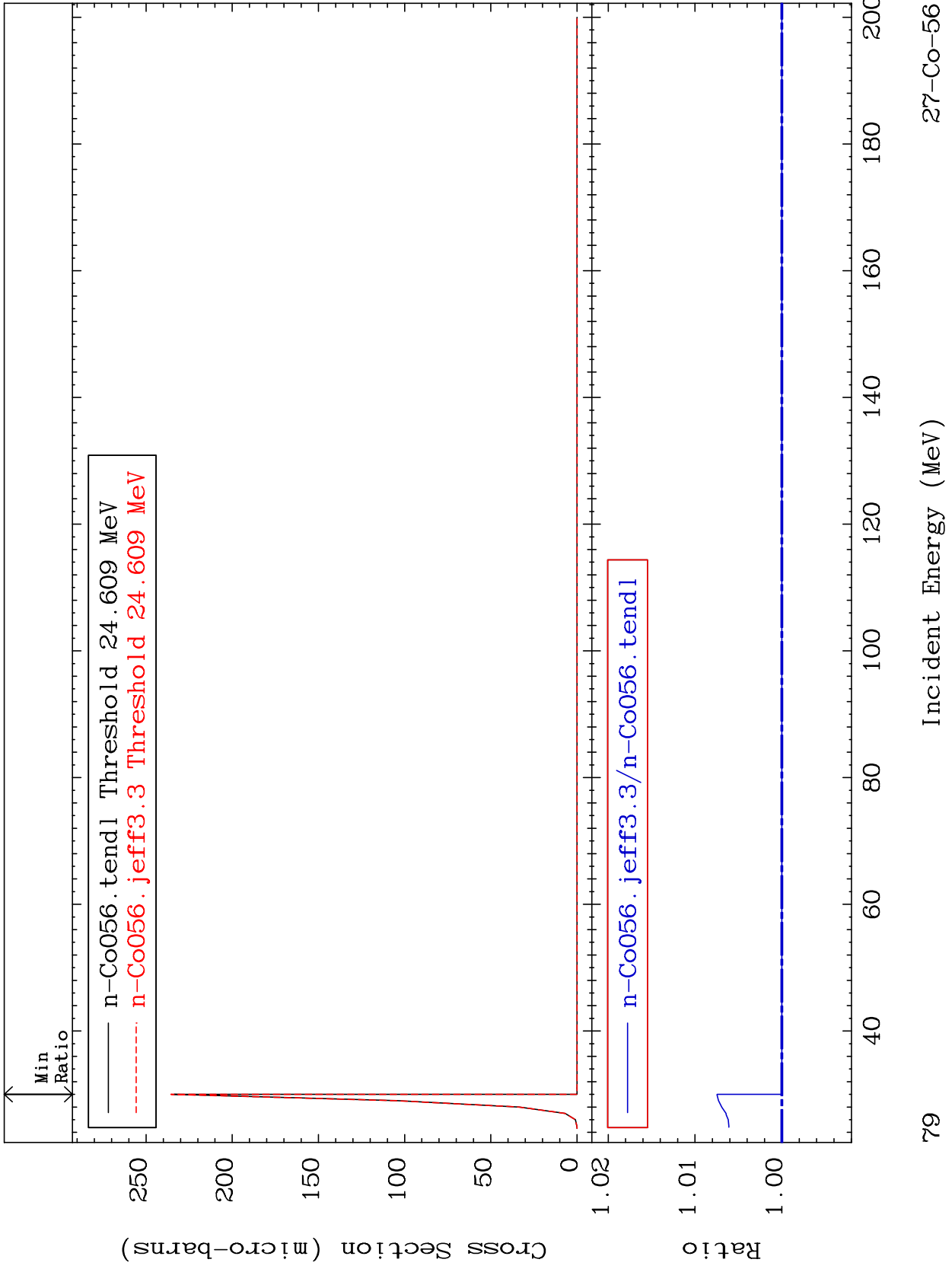
27-Co-56

MAT 2716

(n,3n):27-Co-54g

27-Co-56

Radionuclide Production Cross Section 0.000 To 0.746 %

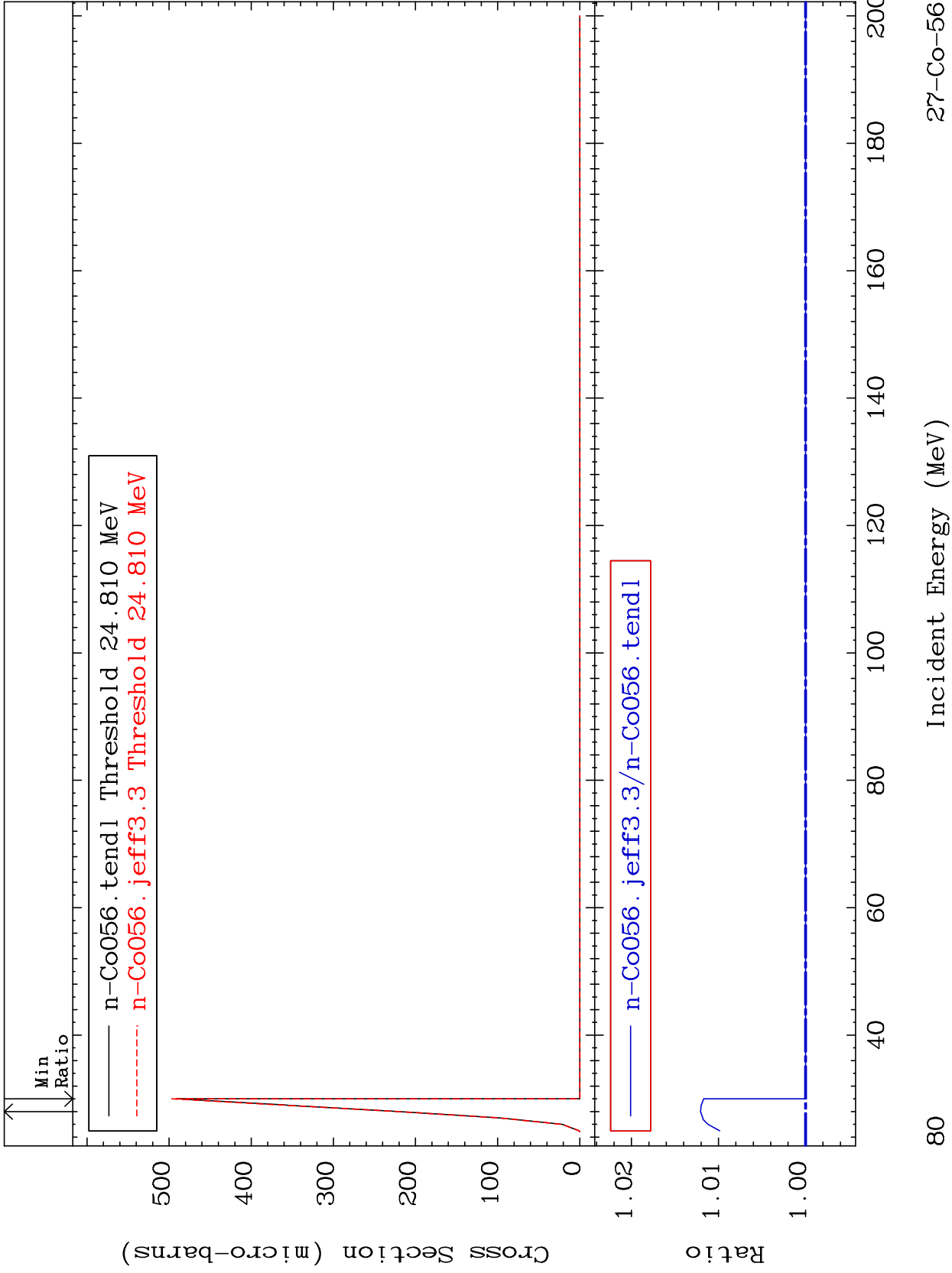


MAT 2716

(n,3n):27-Co-54m1

27-Co-56

Radionuclide Production Cross Section 0.000 To 1.205 %

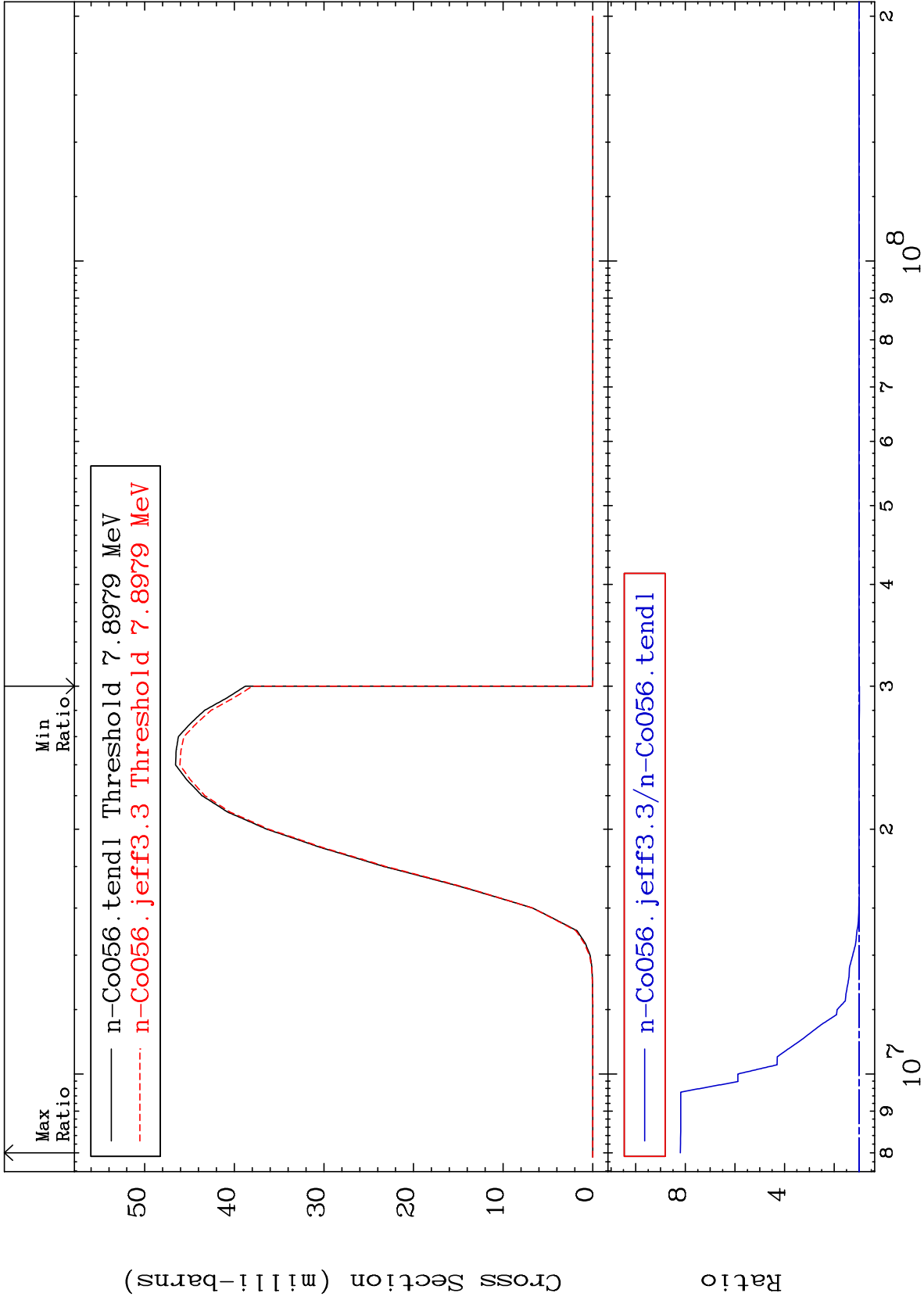


80

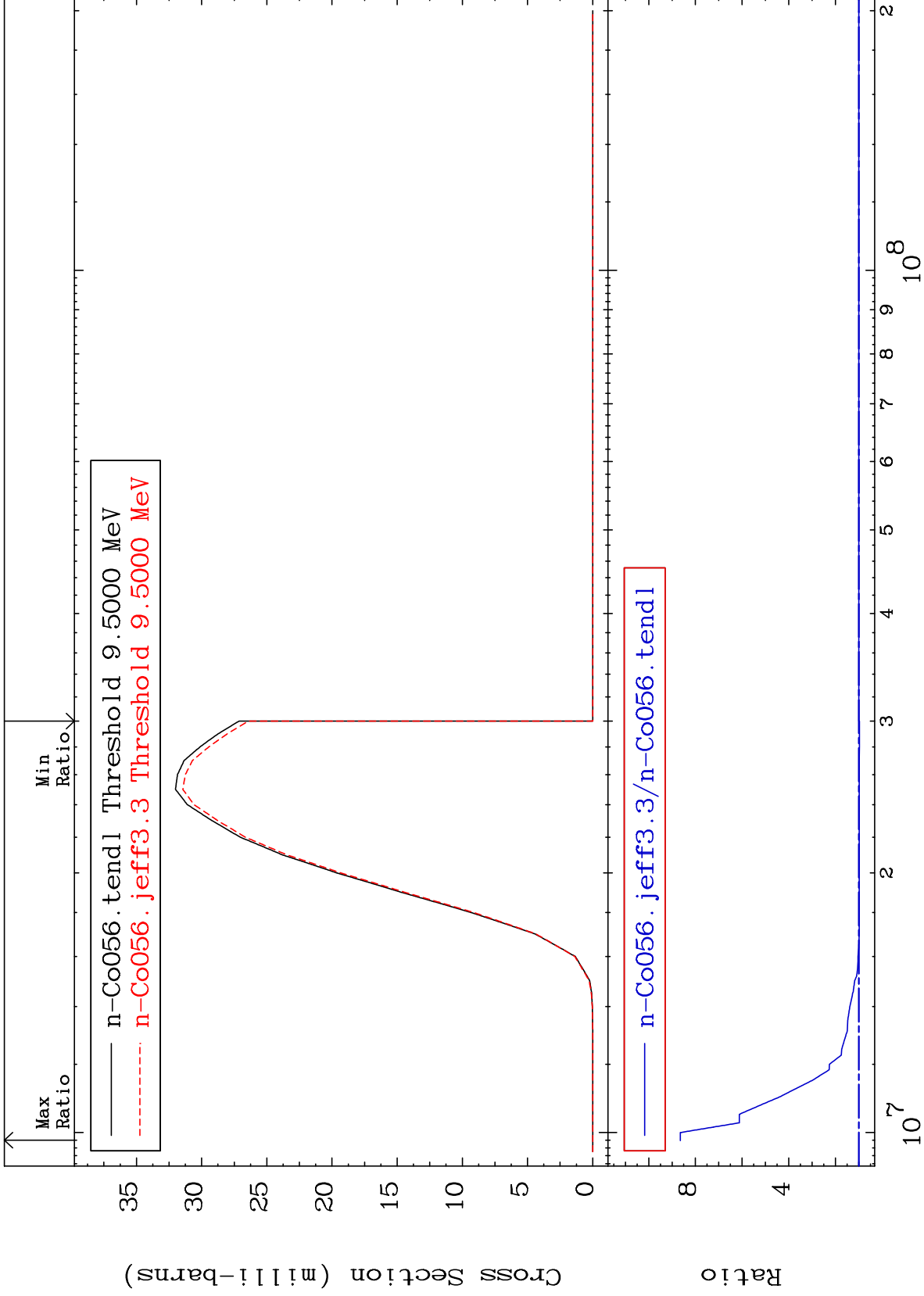
Incident Energy (MeV)

27-Co-56





Radionuclide Production Cross Section -2.665 To 764.5 %

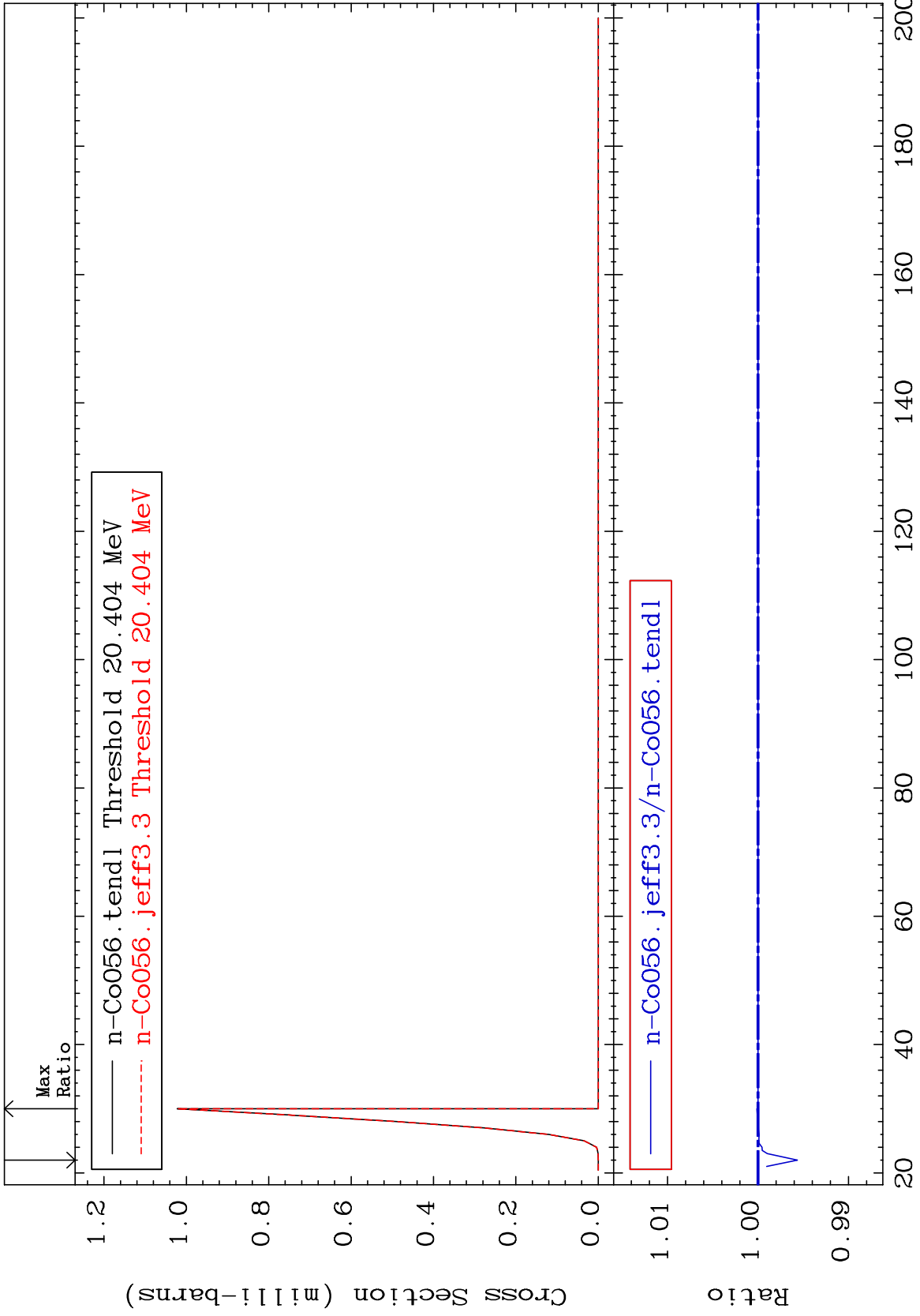


MAT 2716

(n, n') t:26-Fe-53g

27-Co-56

Radionuclide Production Cross Section -0.434 To 0.013 %

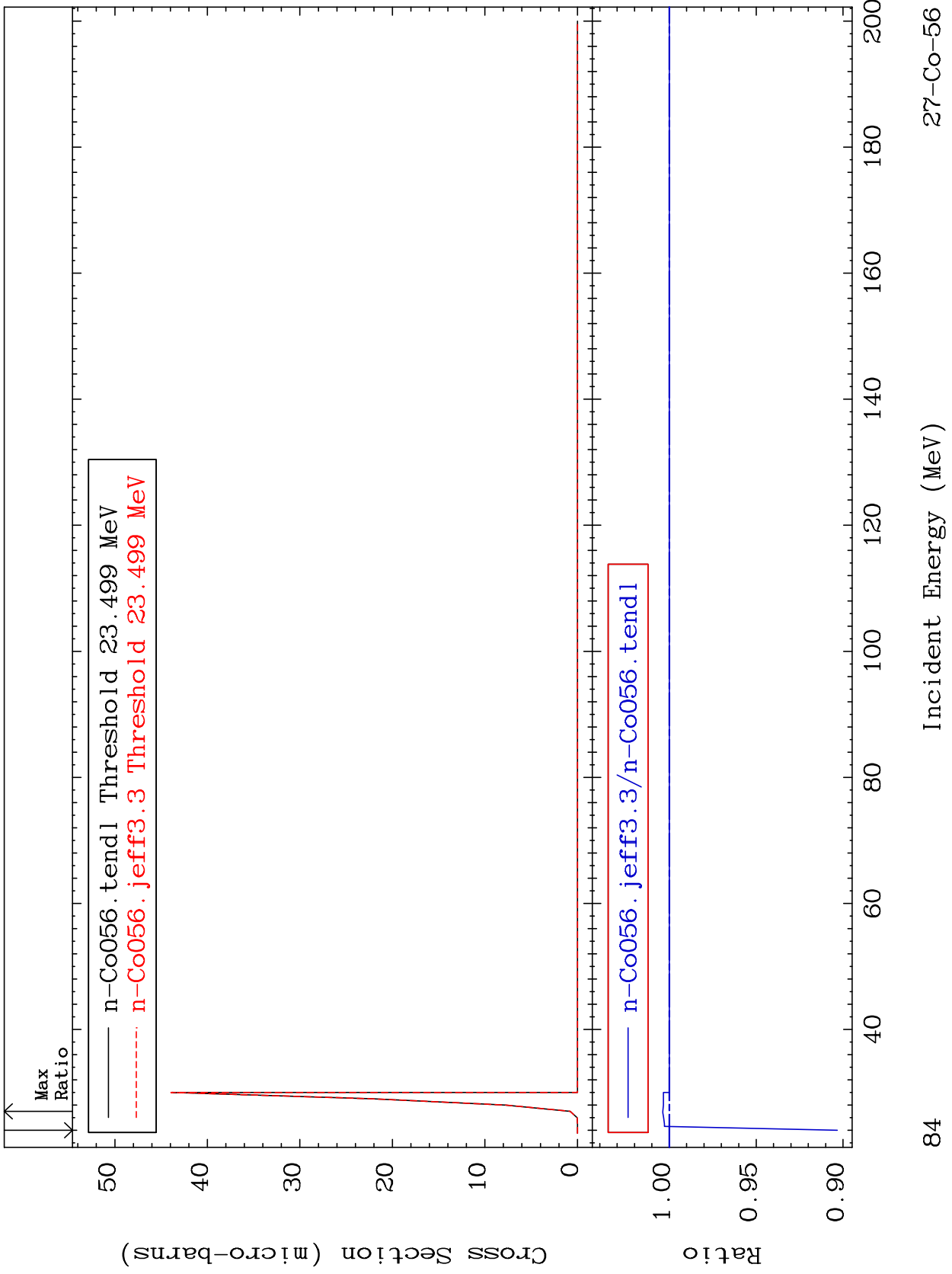


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Incident Energy (MeV)

27-Co-56

Radionuclide Production Cross Section -9.669 To 0.370 %



MAT 2716

(n,3n) p:26-Fe-53g

27-Co-56

Radionuclide Production Cross Section 0.000 To 1.276 %

