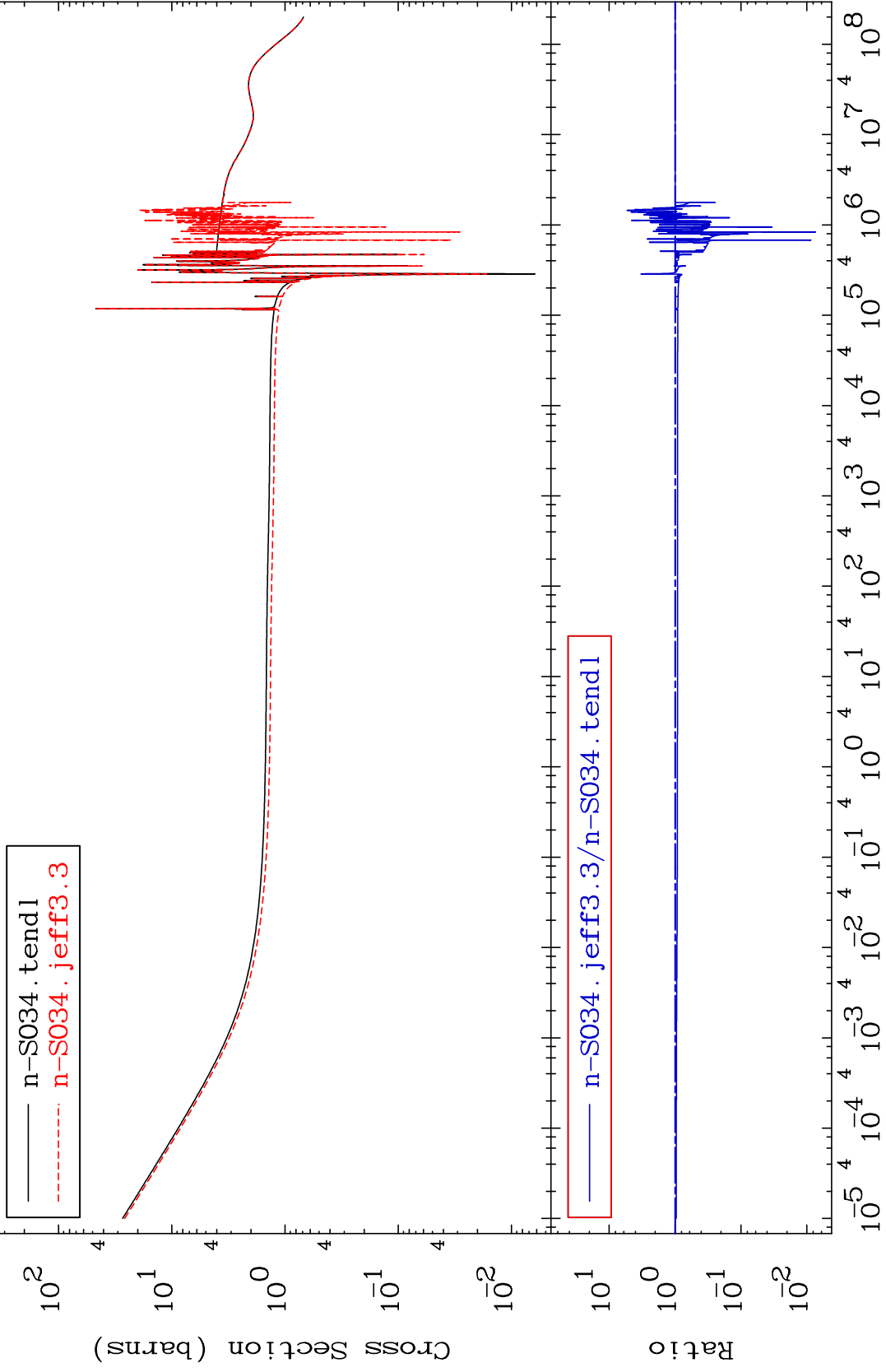


MAT 1631

Total
Cross Section

16-S -34
-99.26 To 433.1 %



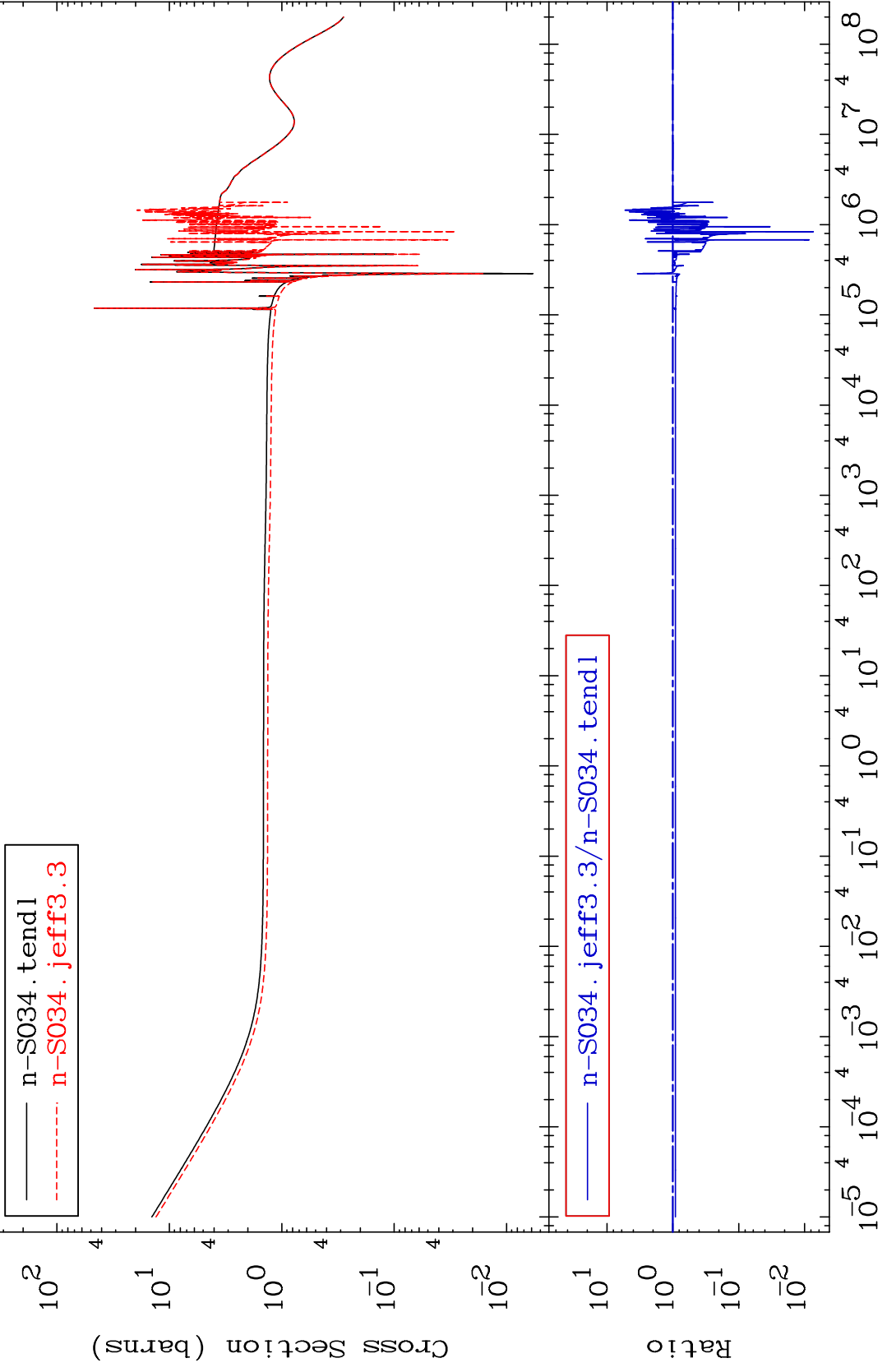
Incident Energy (eV)

16-S -34

MAT 1631

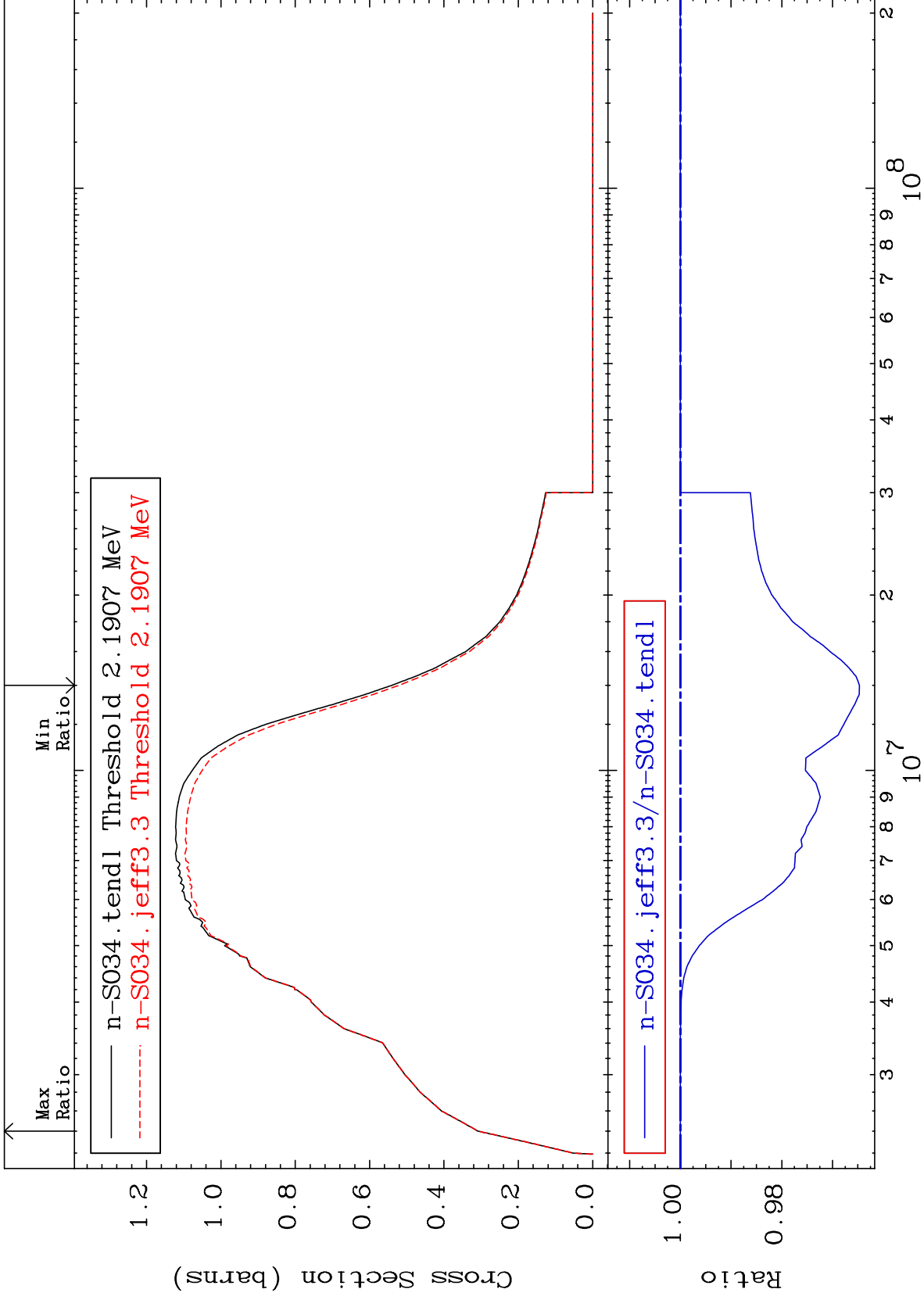
Elastic
Cross Section

16-S -34
-99.27 To 433.1 %



Incident Energy (eV)

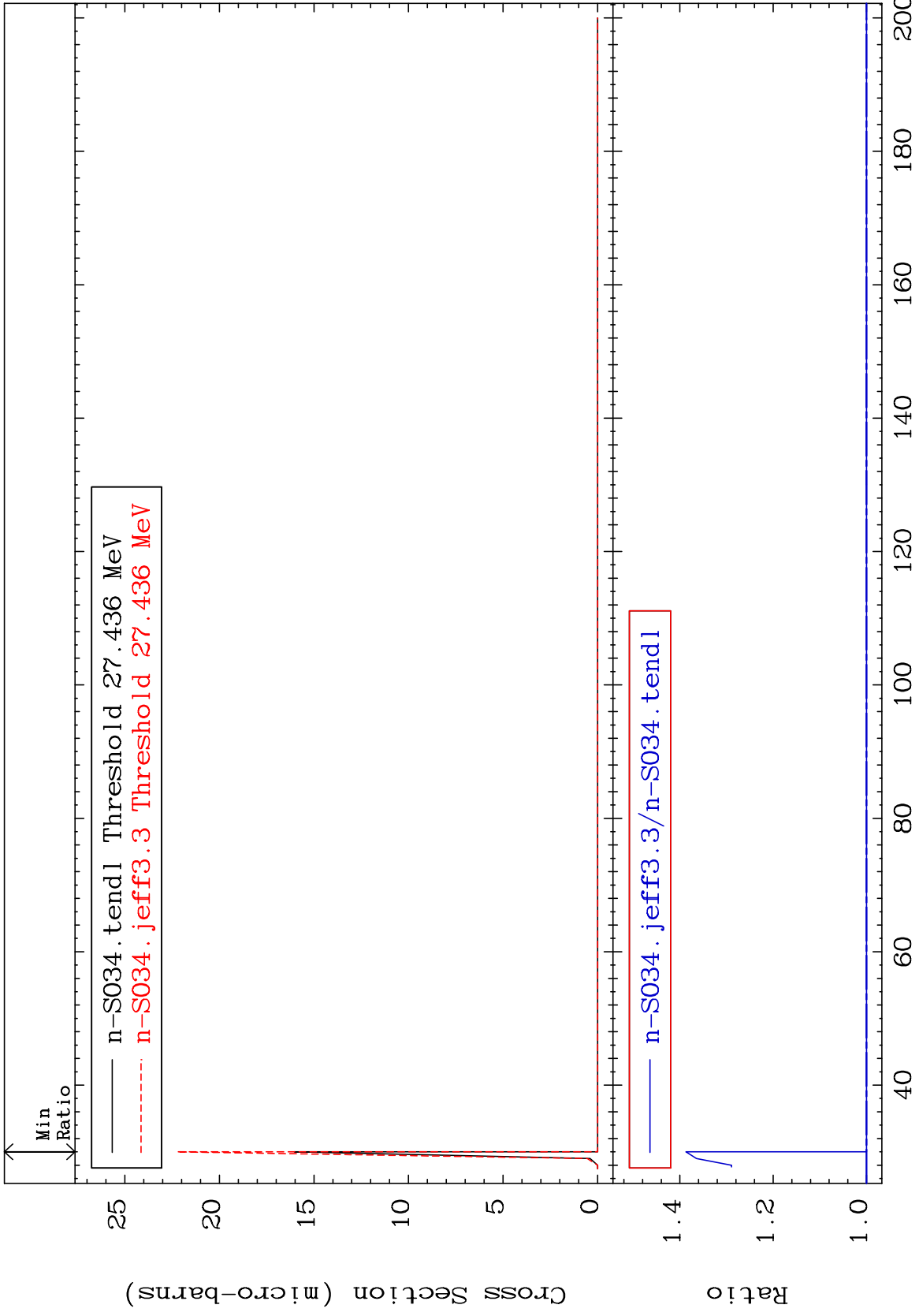
16-S -34



MAT 1631

(n,2n) d
Cross Section

16-S -34
0.000 To 38.70 %



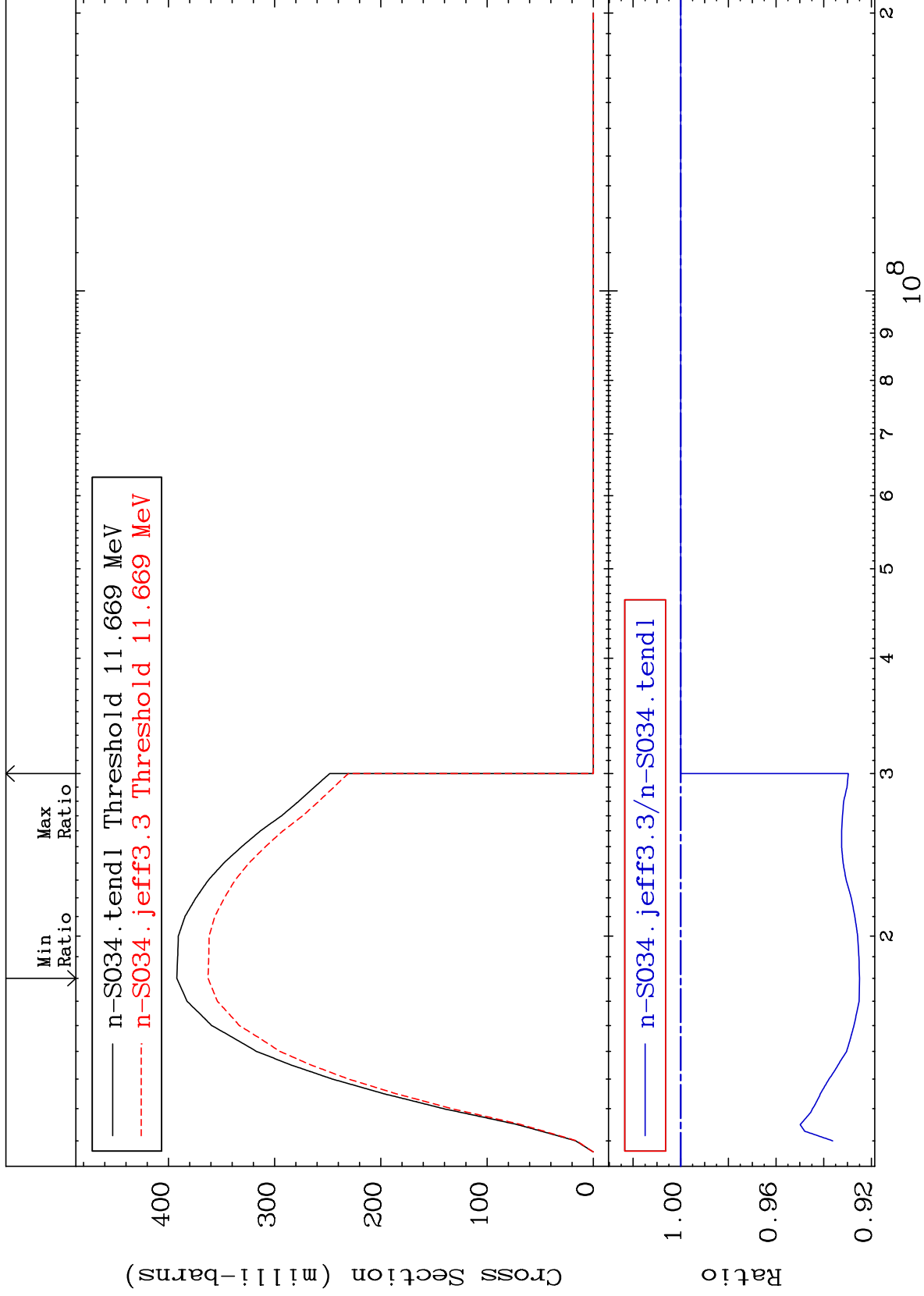
MAT 1631

(n,2n)

16-S -34

Cross Section

-7.505 To 0.000 %



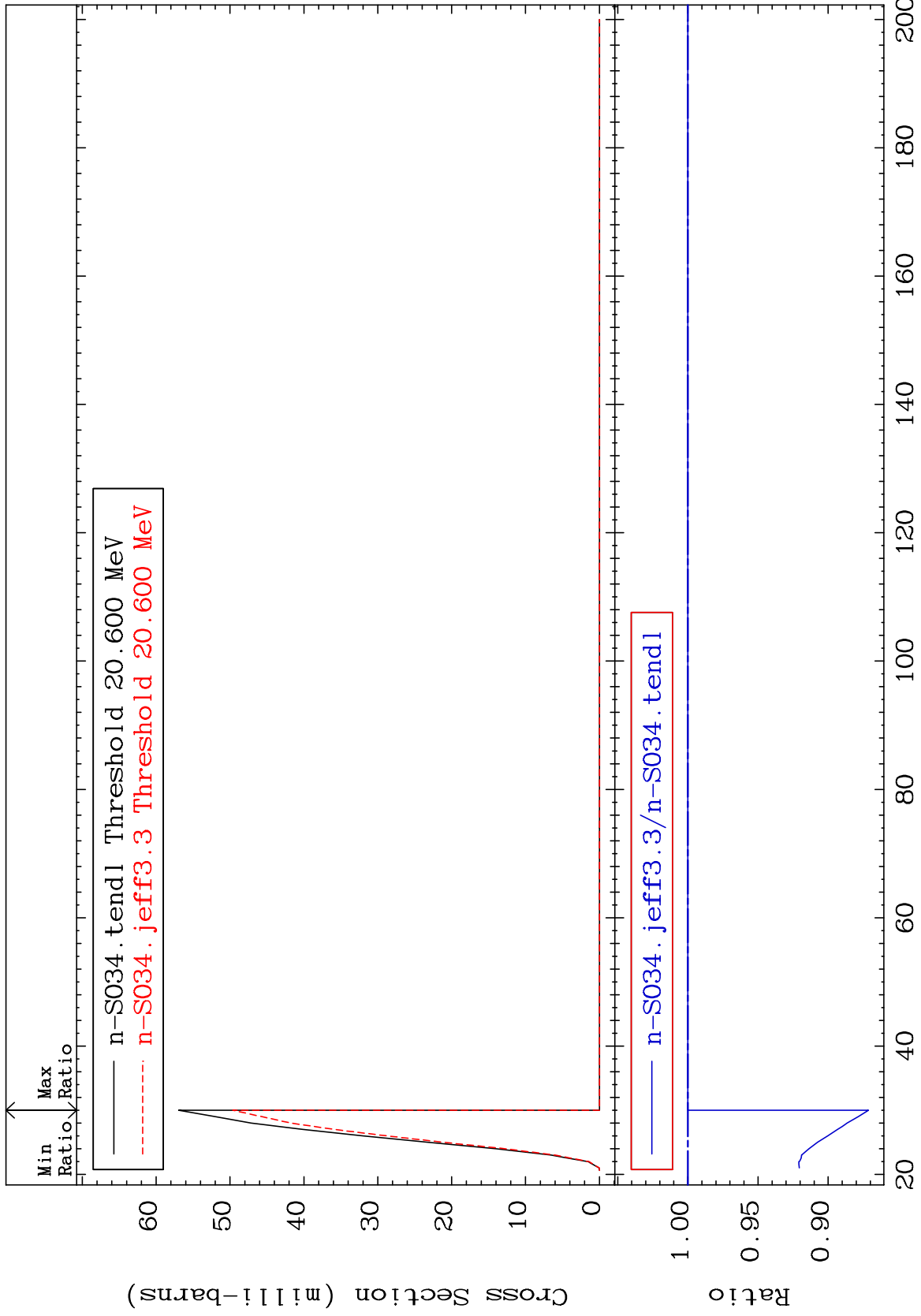
5

16-S -34

MAT 1631

(n,3n)
Cross Section

16-S -34
-12.87 To 0.000 %

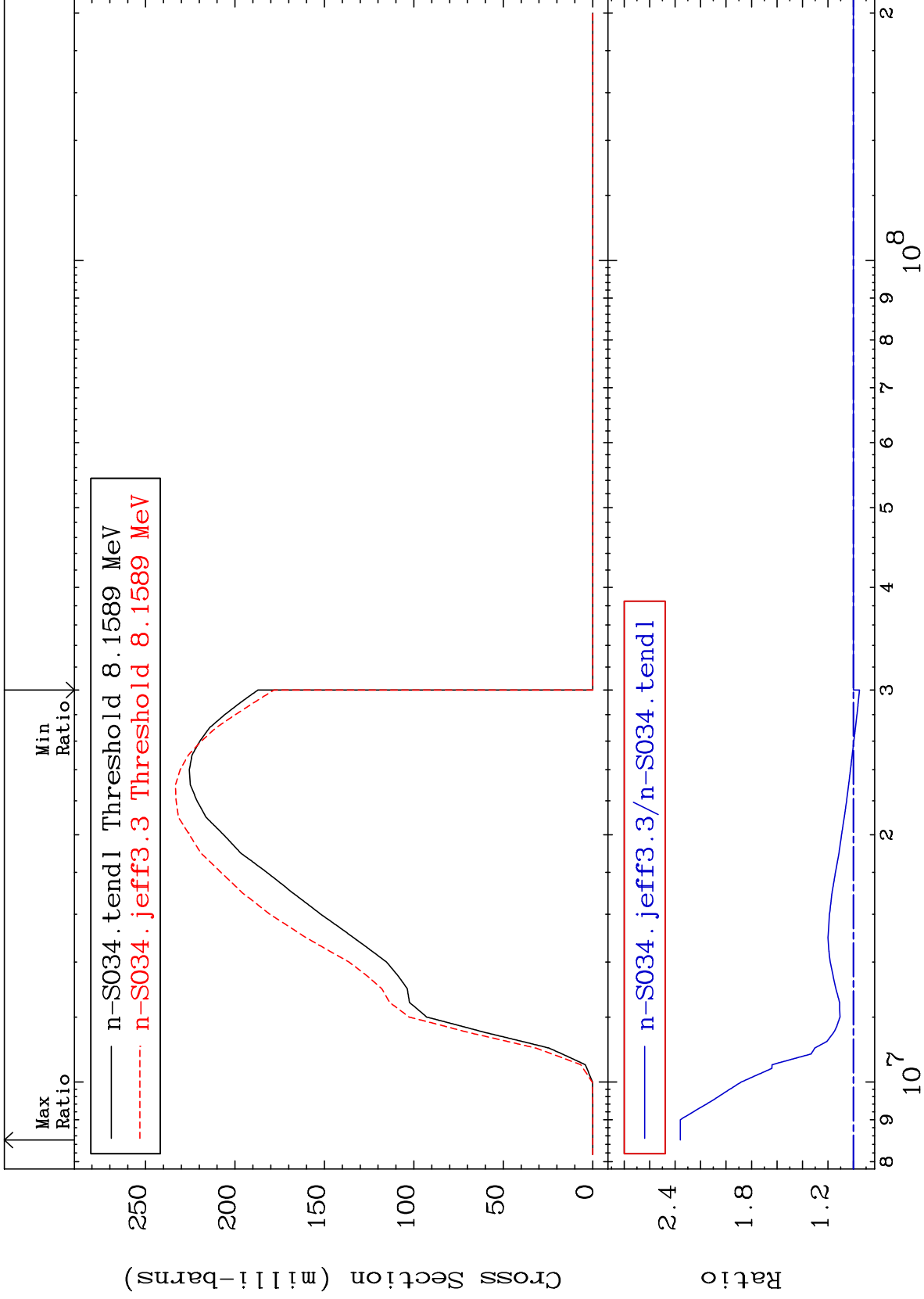


16-S -34

MAT 1631

(n,n') α
Cross Section

16-S -34
-4.791 To 135.9 %



7

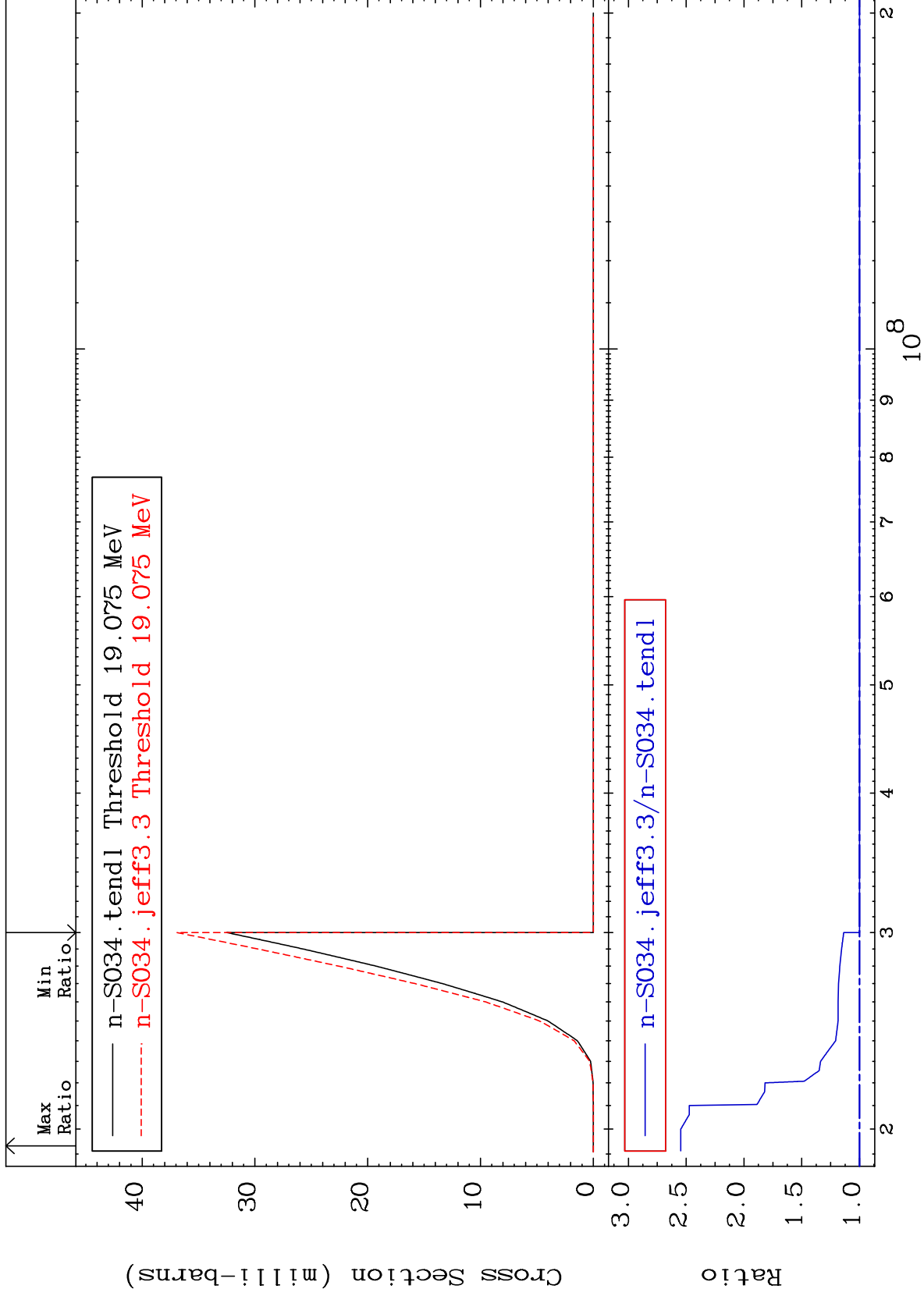
Incident Energy (eV)

16-S -34

MAT 1631

(n,2n) α
Cross Section

16-S -34
0.000 To 154.7 %



8

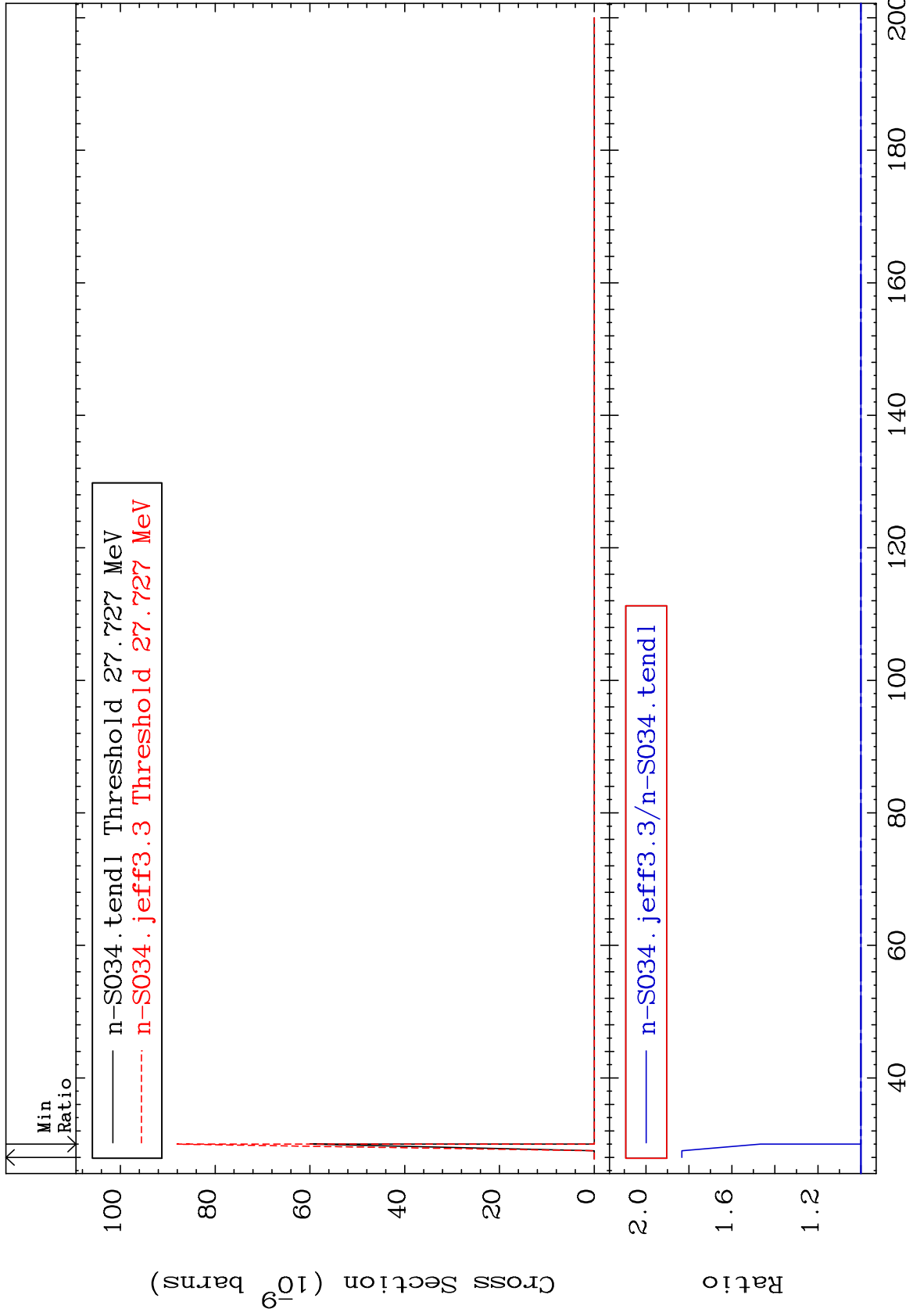
Incident Energy (eV)

16-S -34

MAT 1631

(n,3n) α
Cross Section

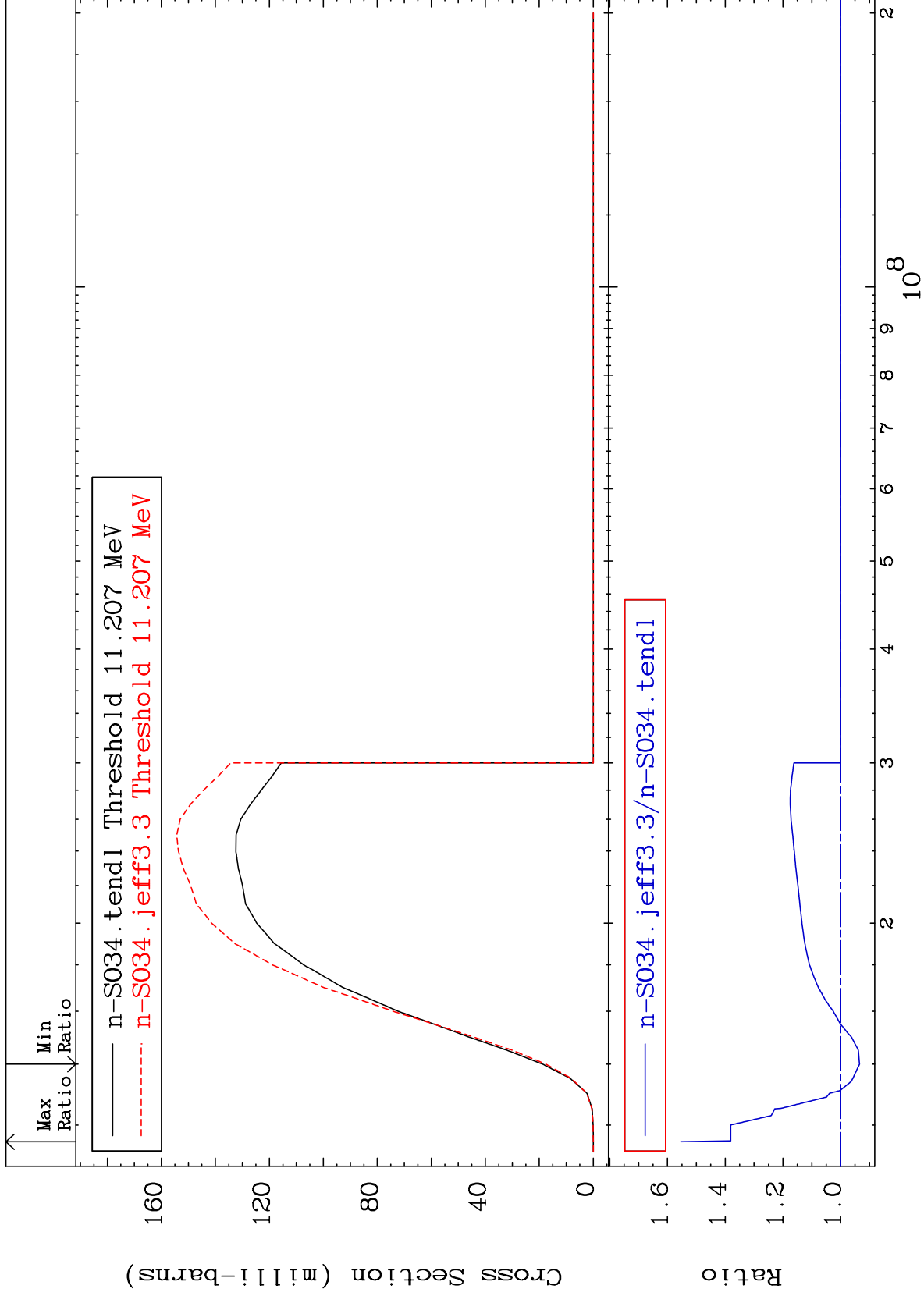
16-S -34
0.000 To 83.26 %



MAT 1631

(n,n') p
Cross Section

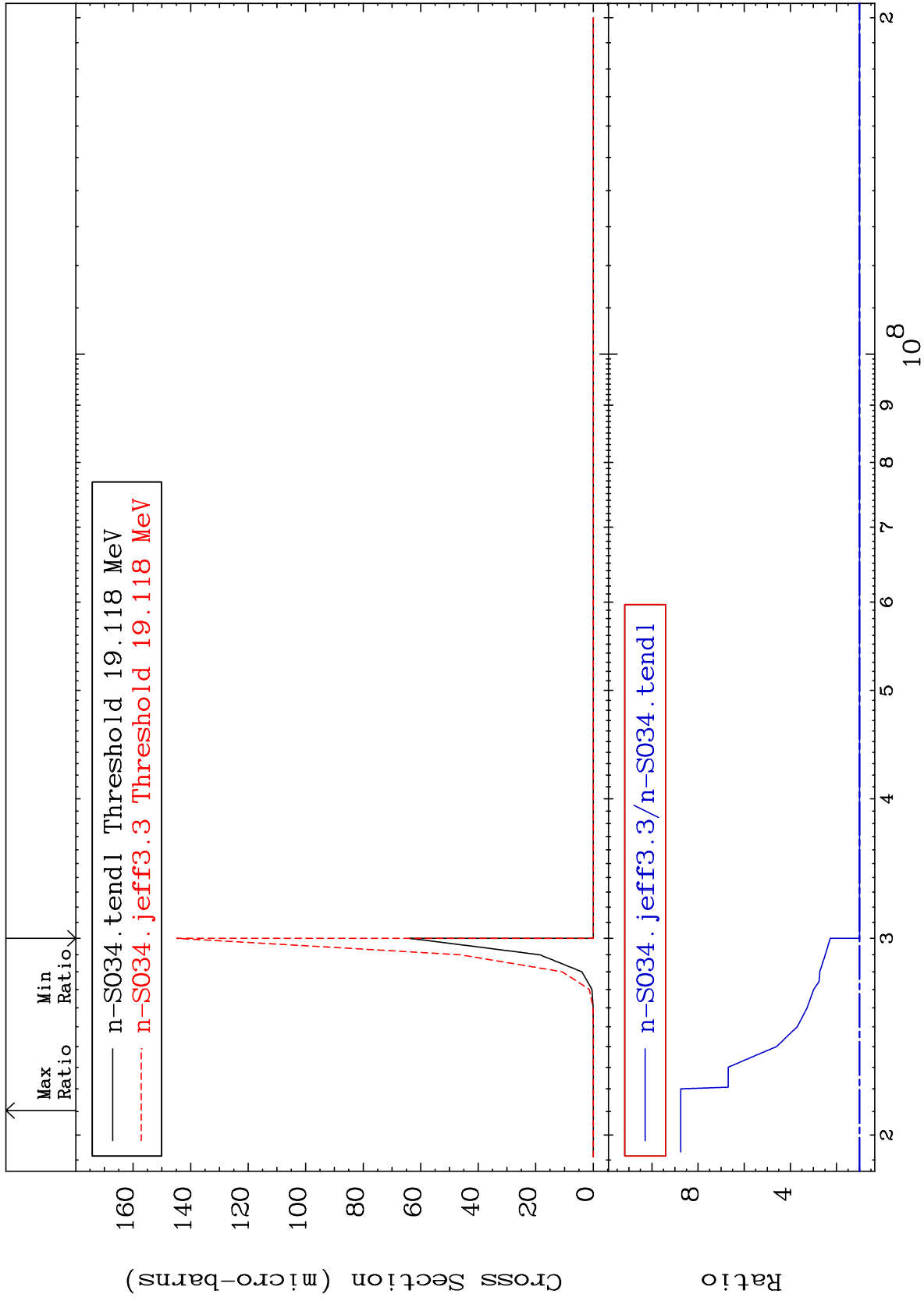
16-S -34
-6.556 To 55.40 %



MAT 1631

(n,n') 2 α
Cross Section

16-S -34
0.000 To 774.9 %



11

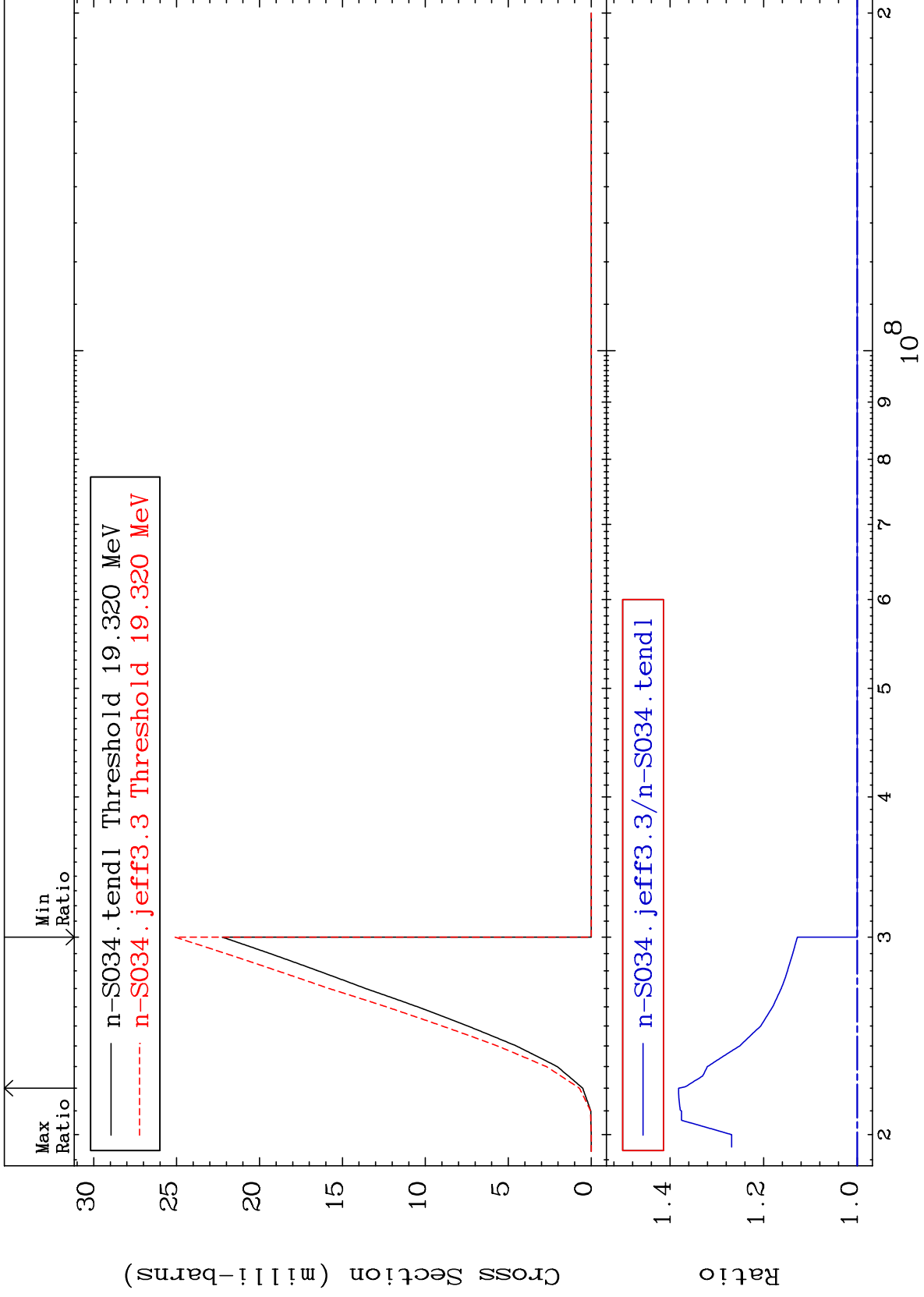
Incident Energy (eV)

16-S -34

MAT 1631

(n,n') d
Cross Section

16-S -34
0.000 To 38.17 %



12

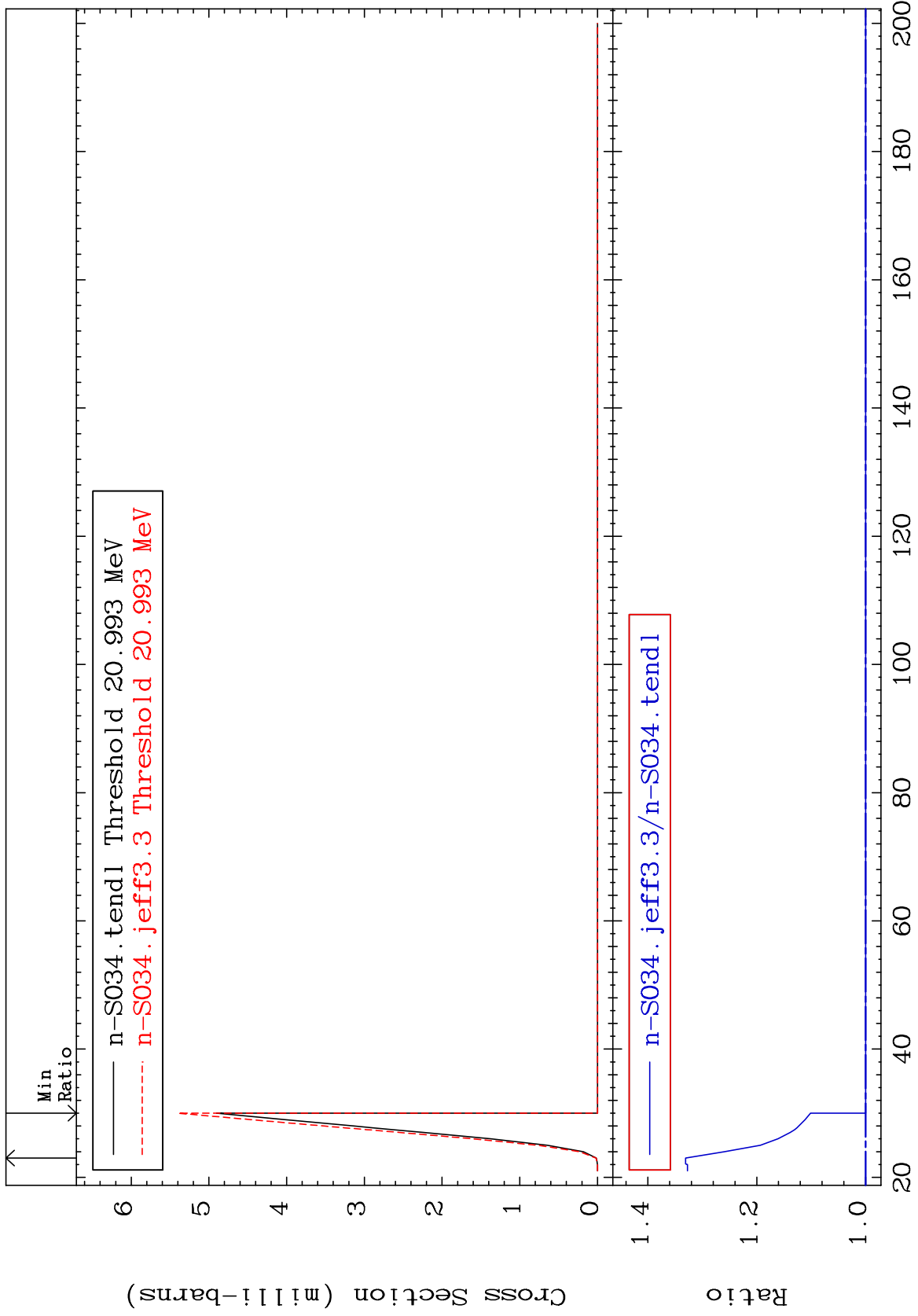
Incident Energy (eV)

16-S -34

MAT 1631

(n,n') t
Cross Section

16-S -34
0.000 To 33.06 %



13

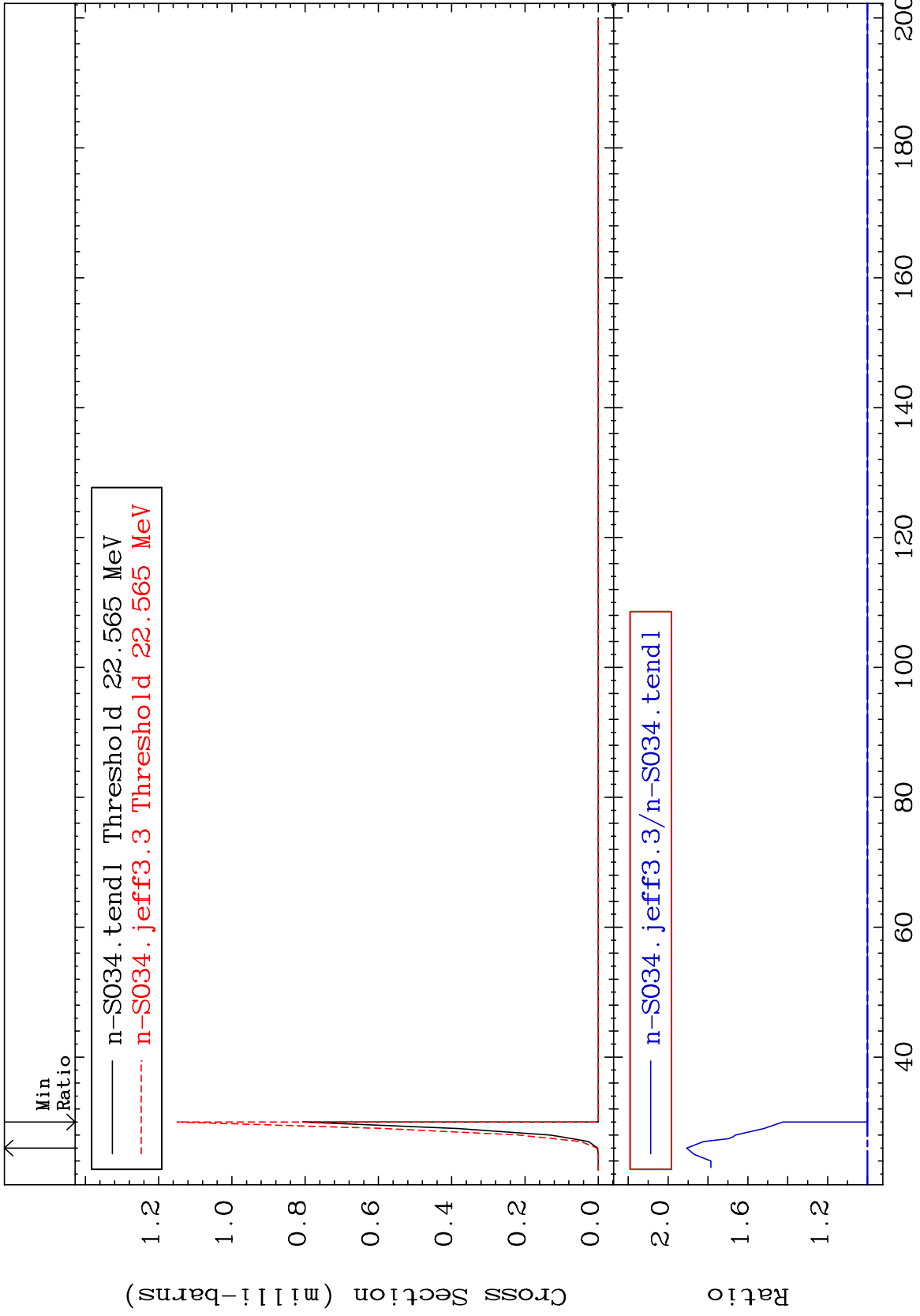
Incident Energy (MeV)

16-S -34

MAT 1631

(n, n') He-3
Cross Section

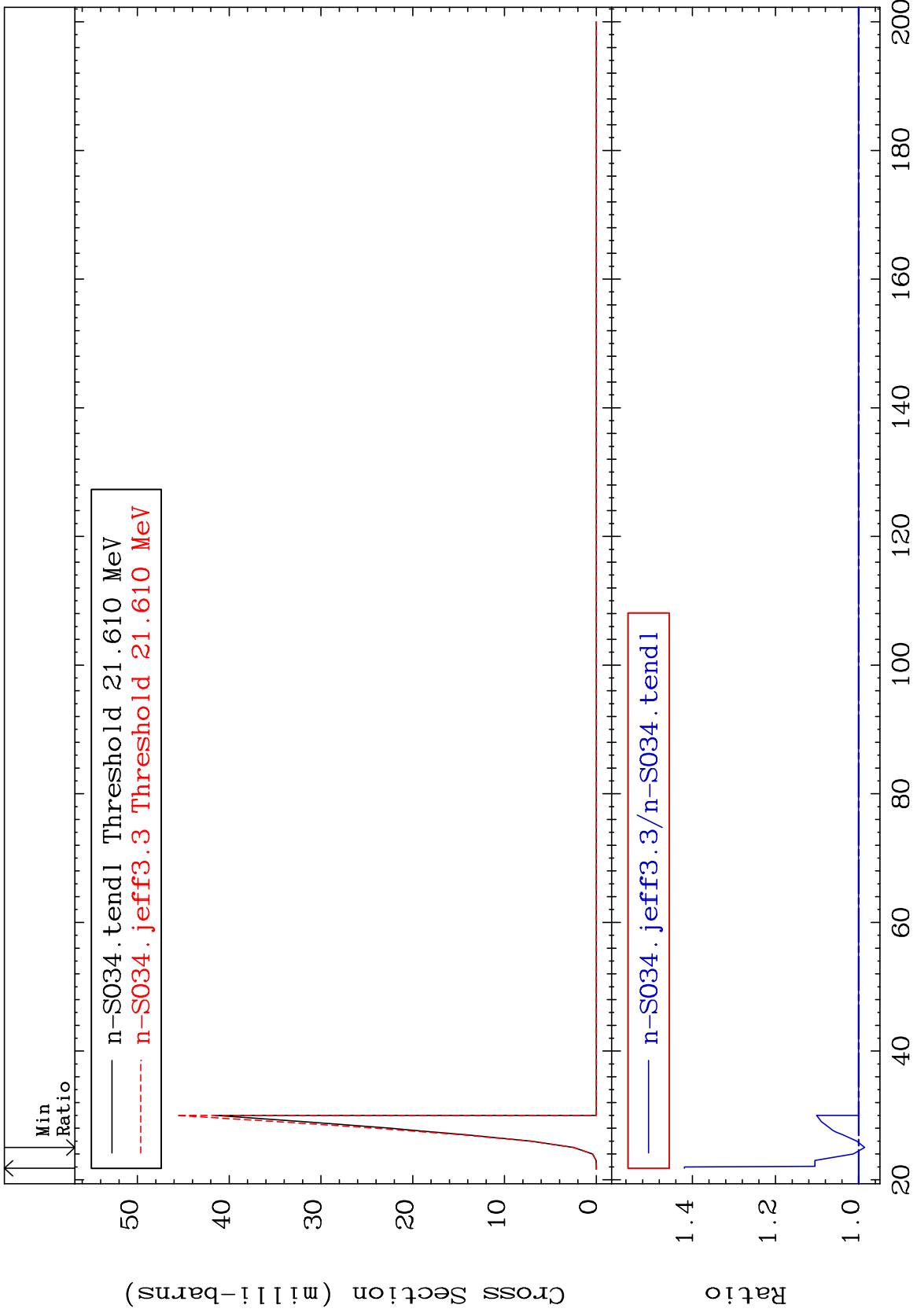
16-S -34
0.000 To 90.67 %



MAT 1631

(n,2n) p
Cross Section

16-S -34
-1.441 To 41.92 %



15

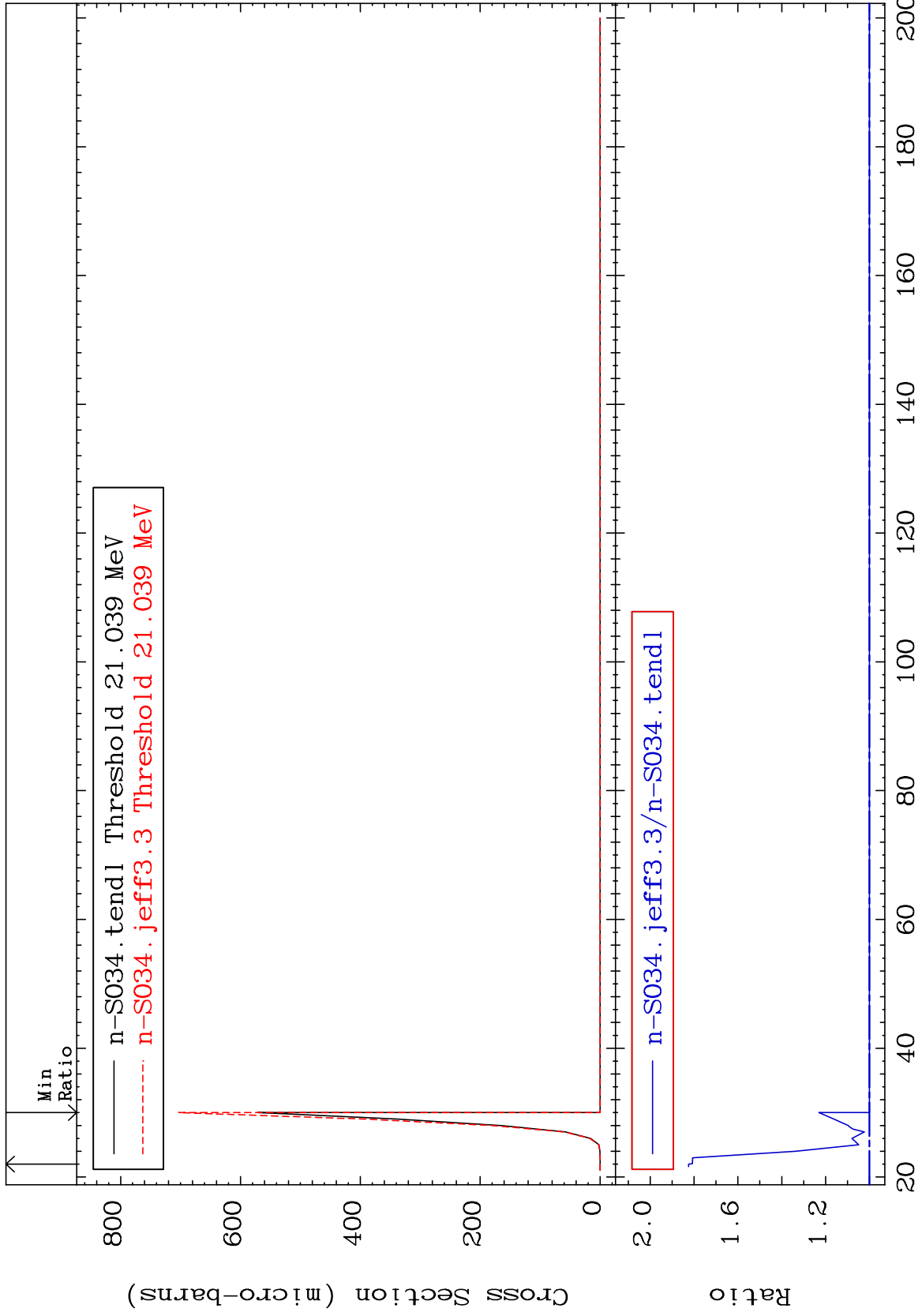
Incident Energy (MeV)

16-S -34

MAT 1631

(n,2n) p
Cross Section

16-S -34
0.000 To 82.48 %



16

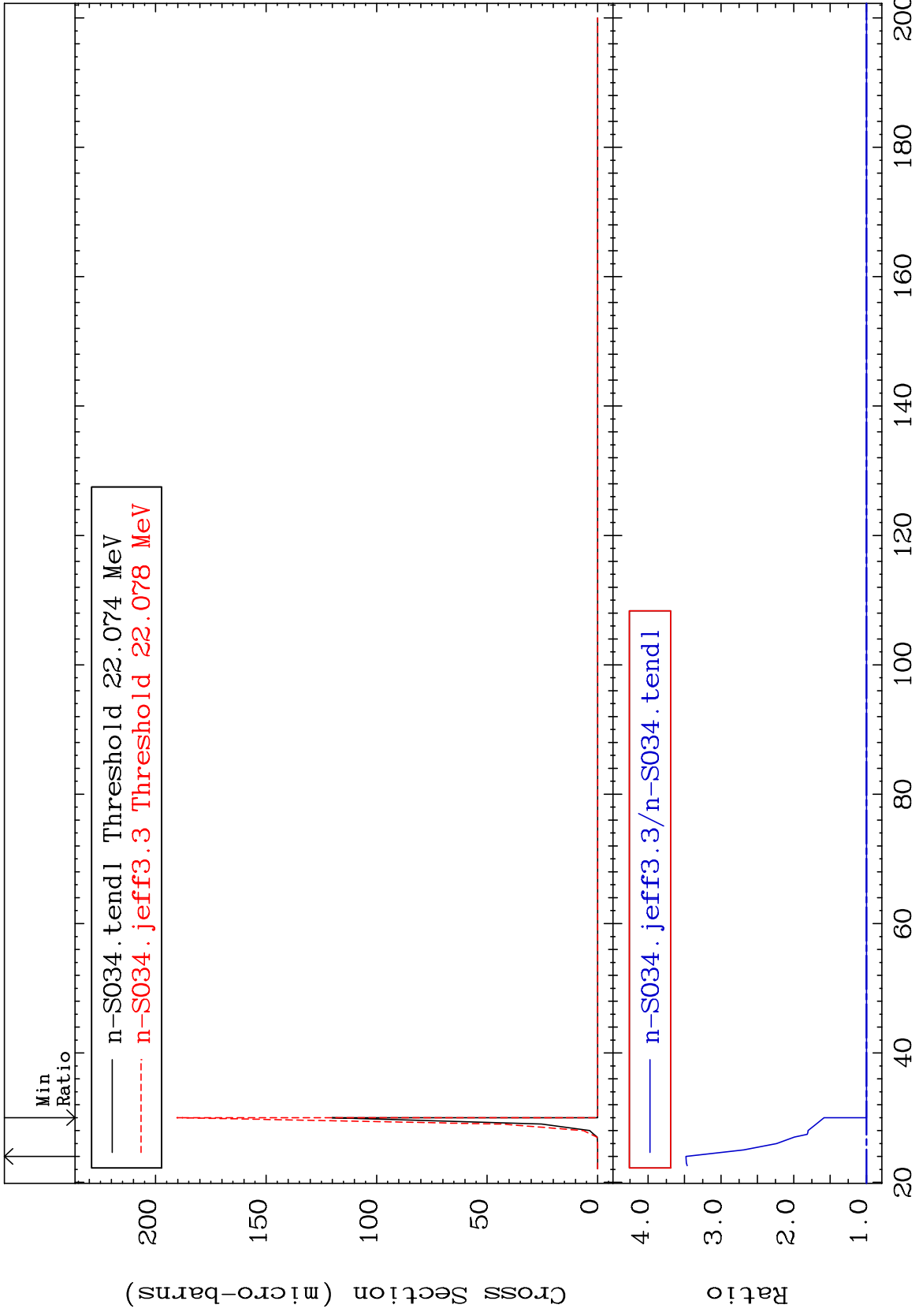
Incident Energy (MeV)

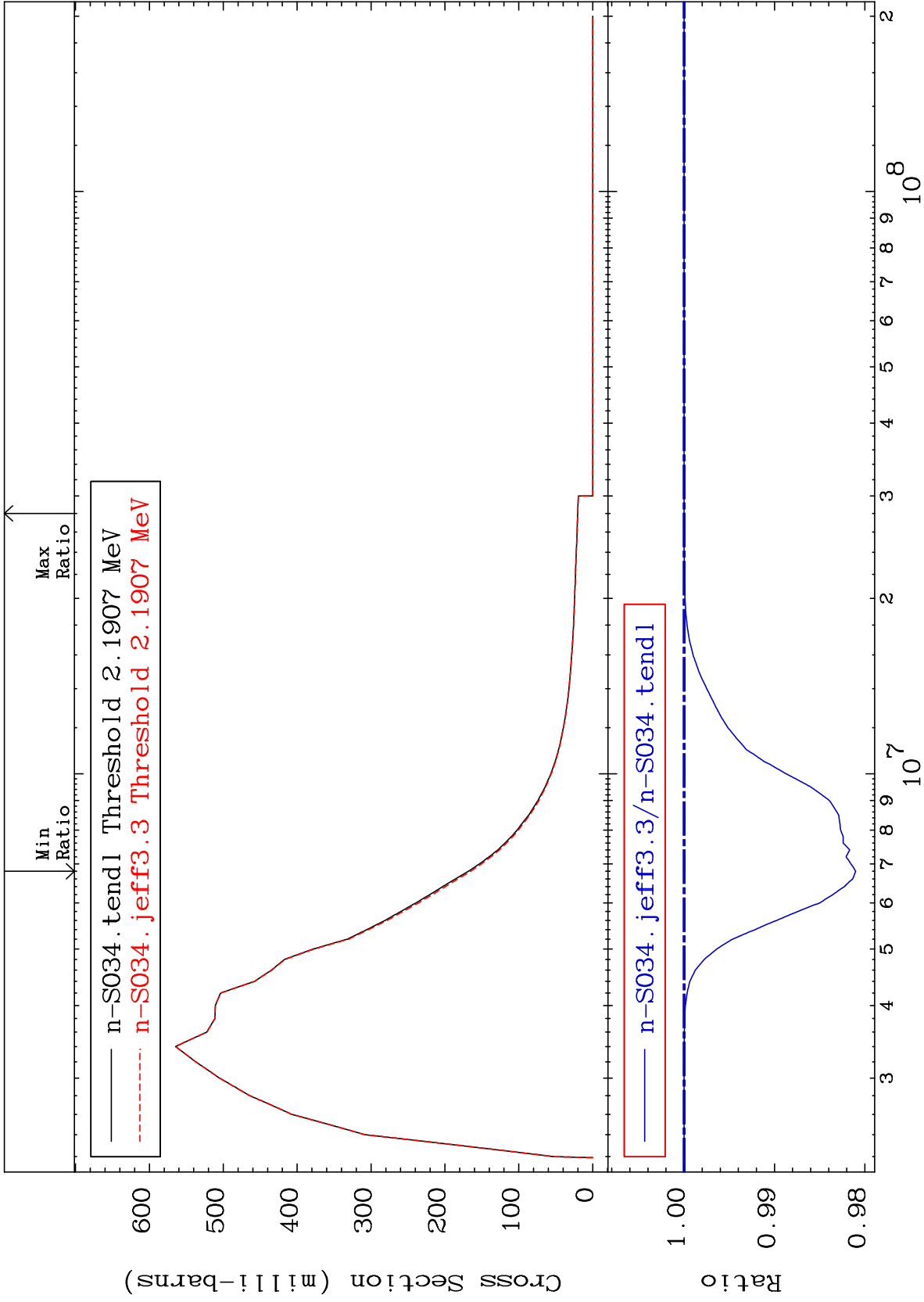
16-S -34

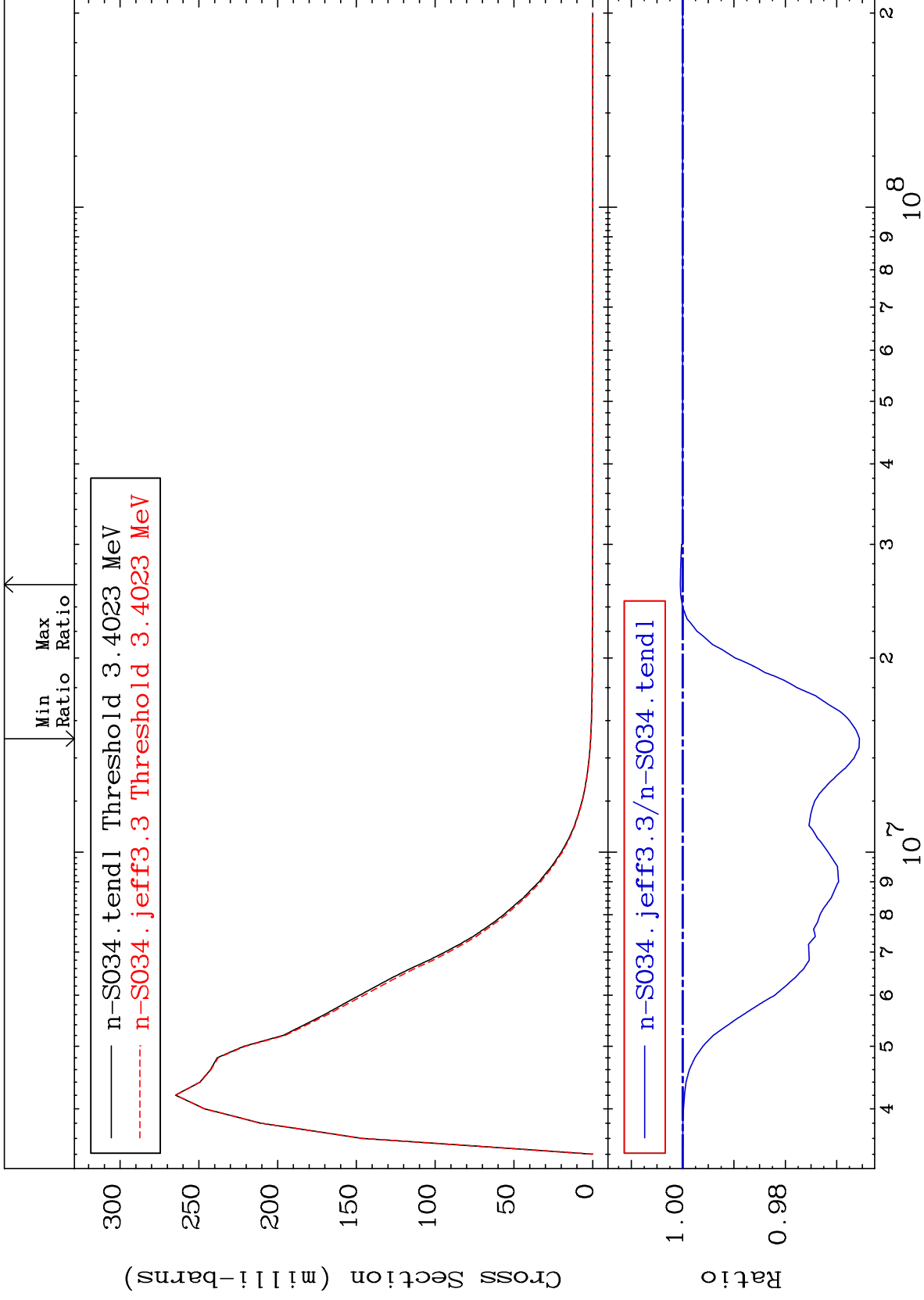
MAT 1631

(n,n') p α
Cross Section

16-S -34
0.000 To 248.0 %



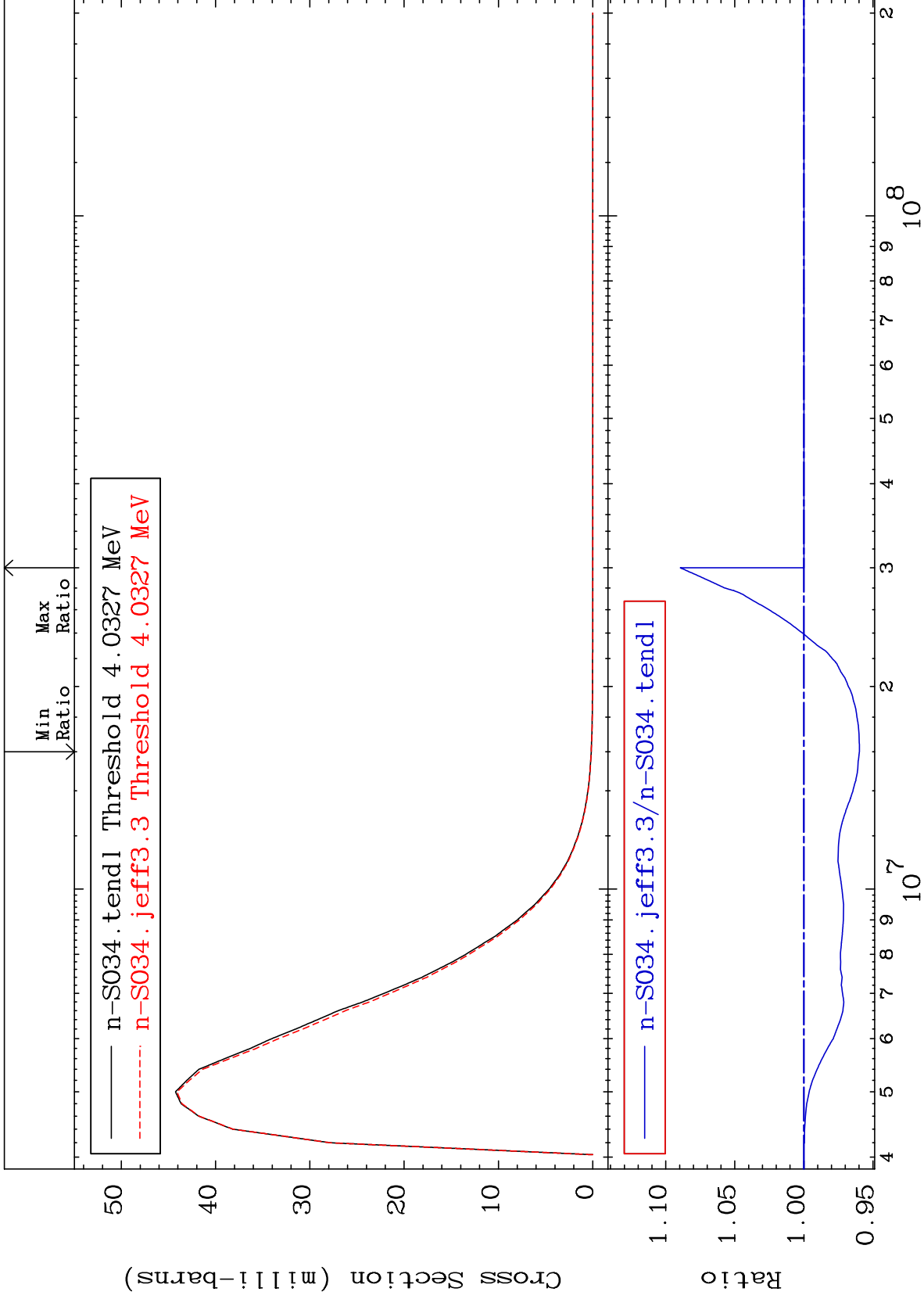




MAT 1631

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

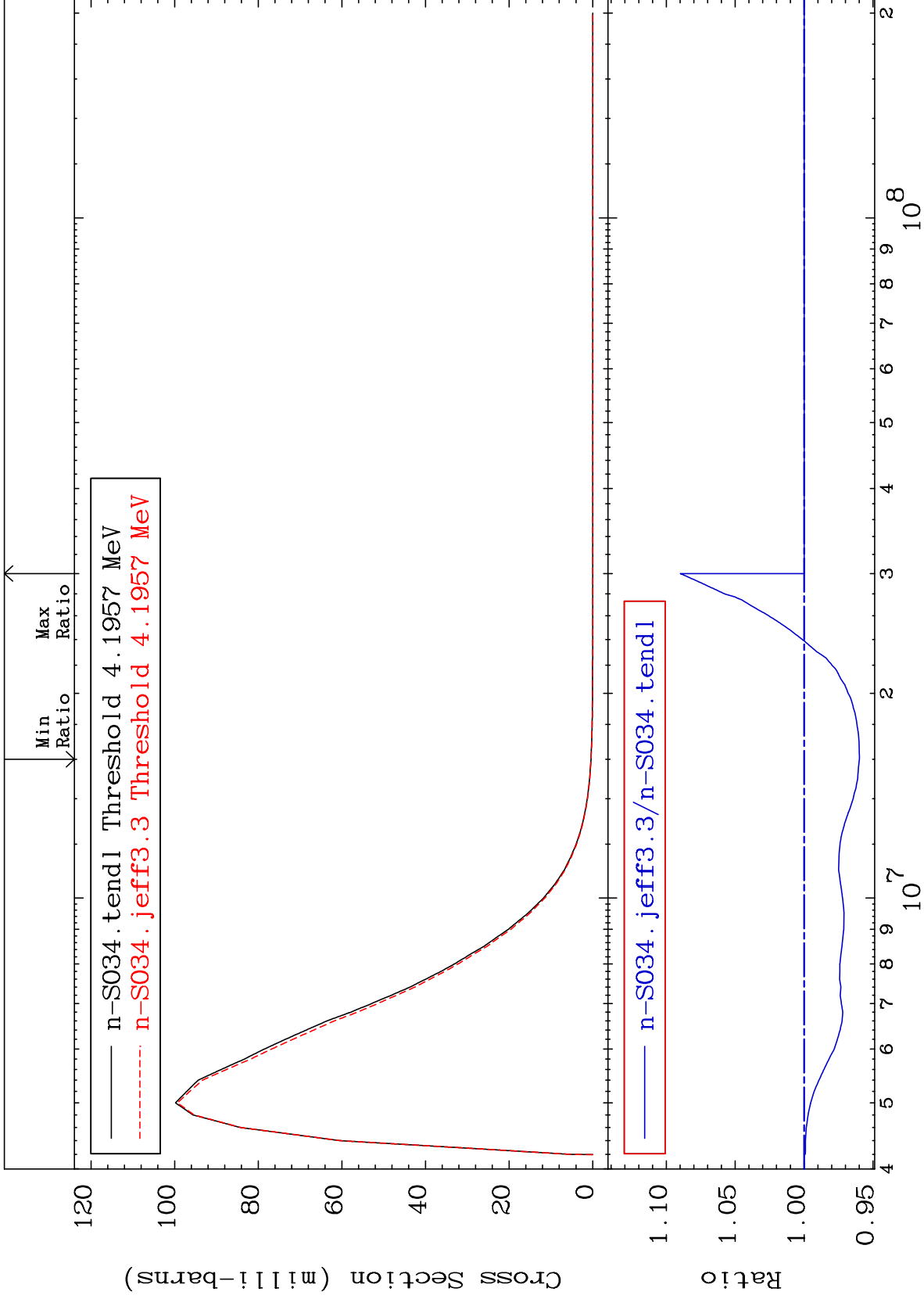
16-S -34
-4.023 To 8.944 %

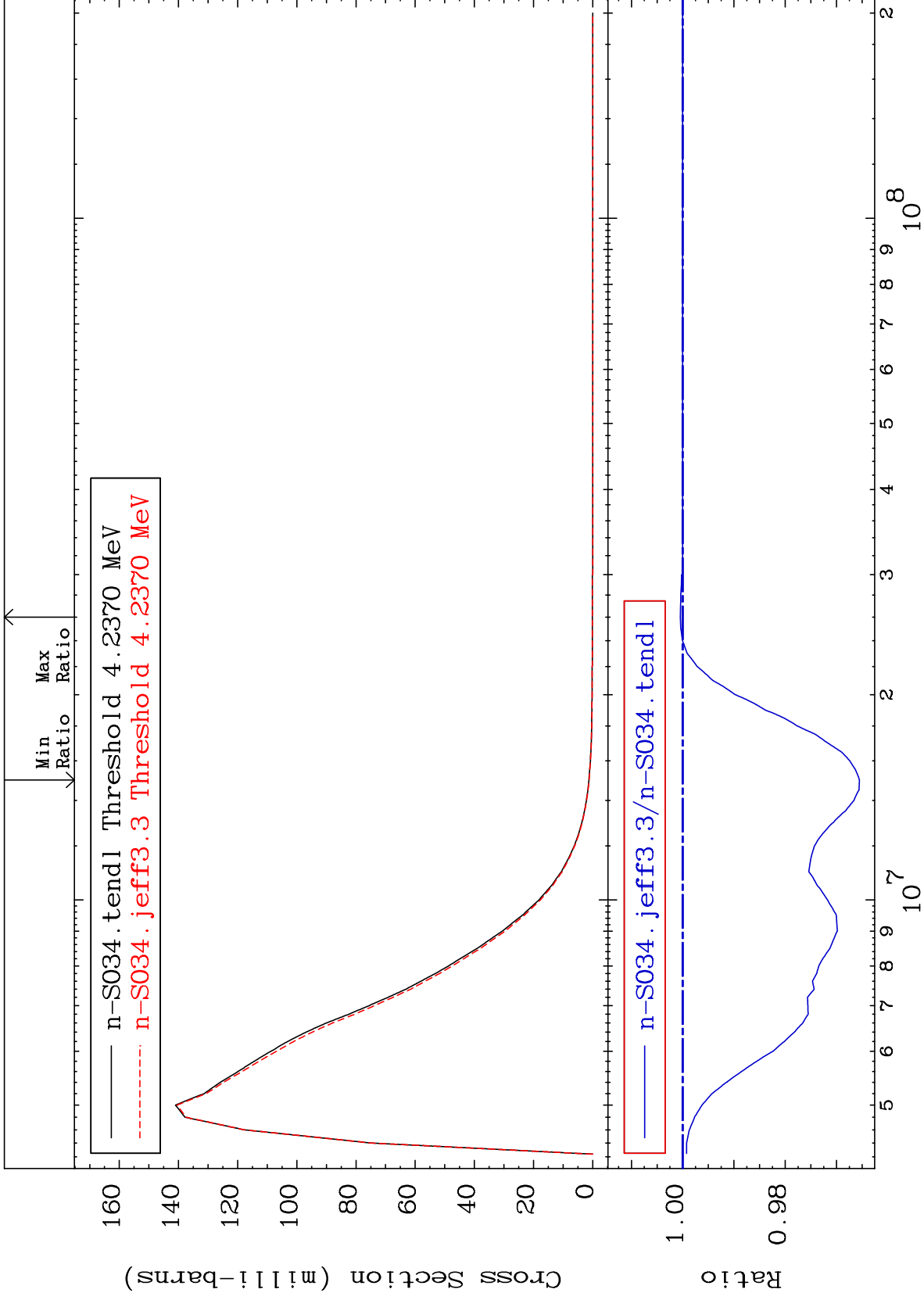


20

Incident Energy (eV)

16-S -34

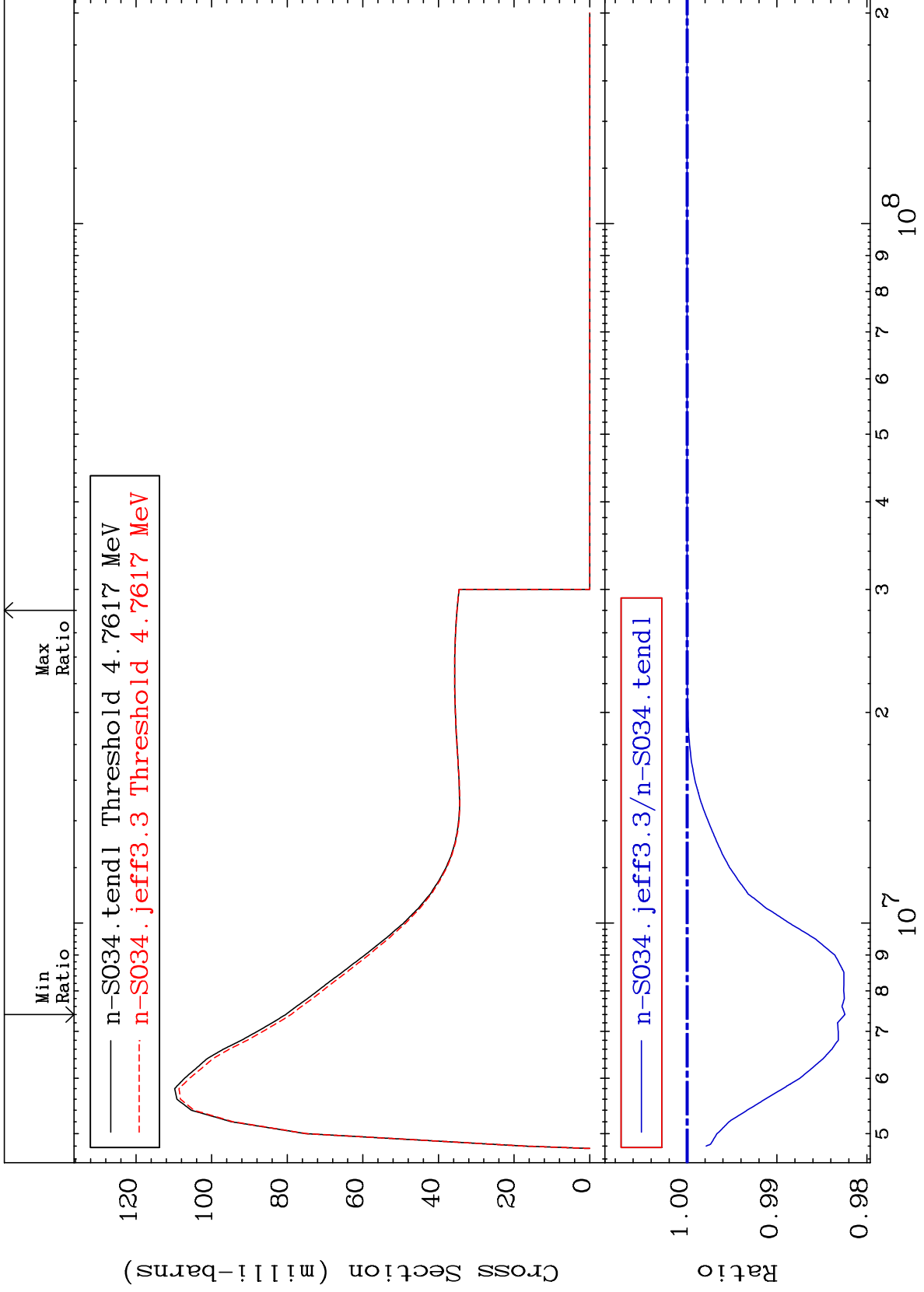




MAT 1631

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

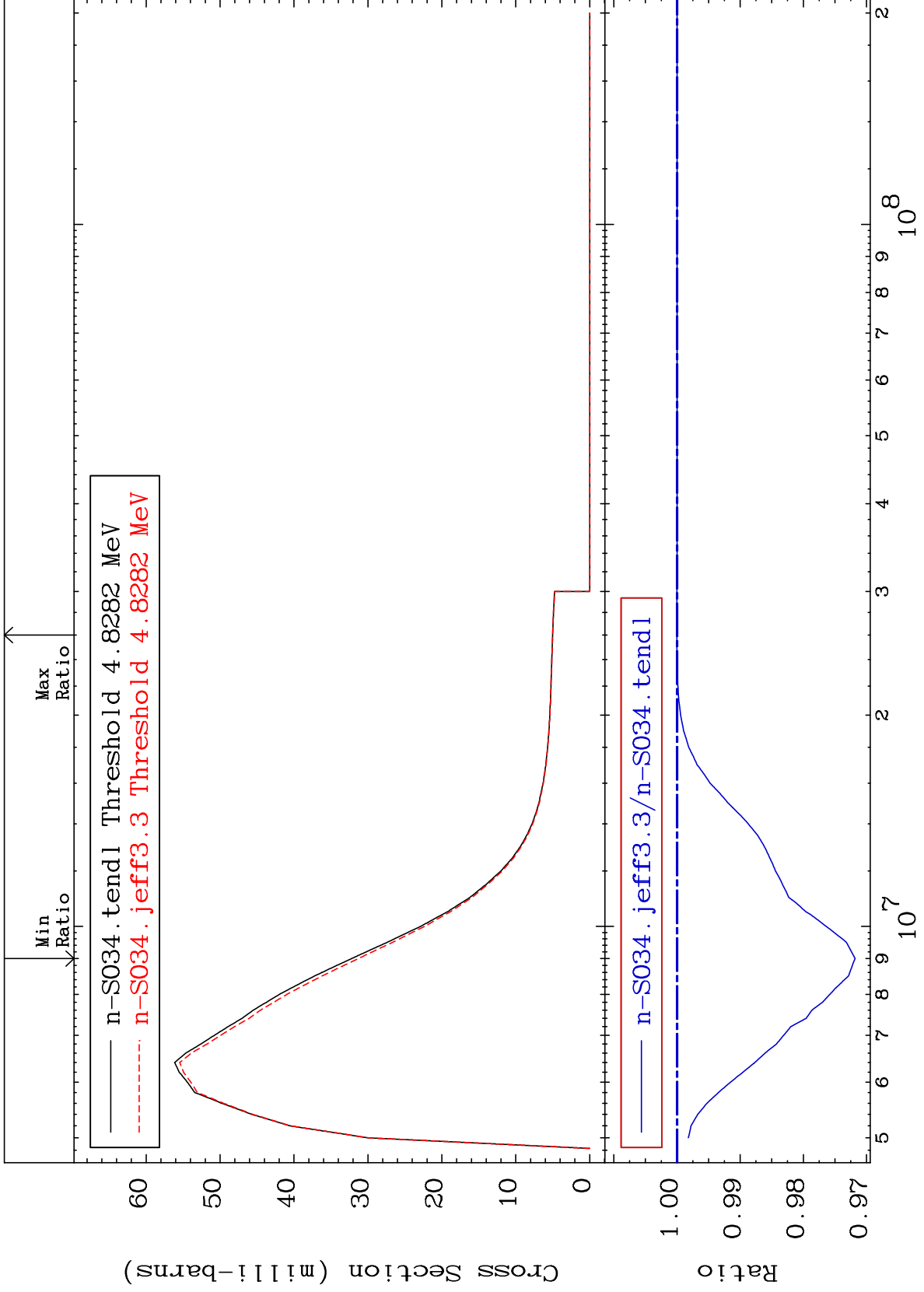
16-S -34
-1.757 To 0.000 %



MAT 1631

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

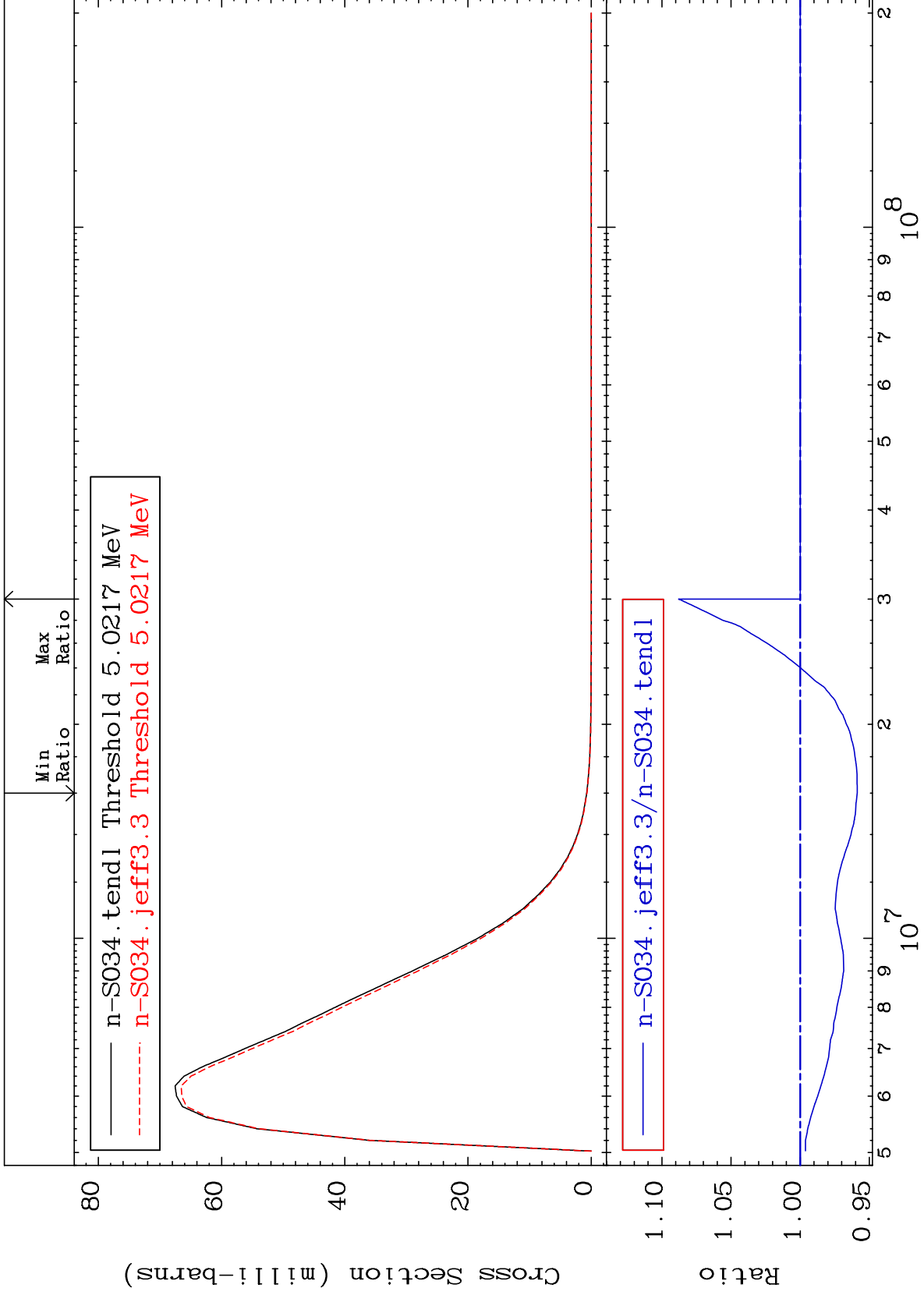
16-S -34
-2.820 To 0.002 %



MAT 1631

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

16-S -34
-4.121 To 8.791 %



25

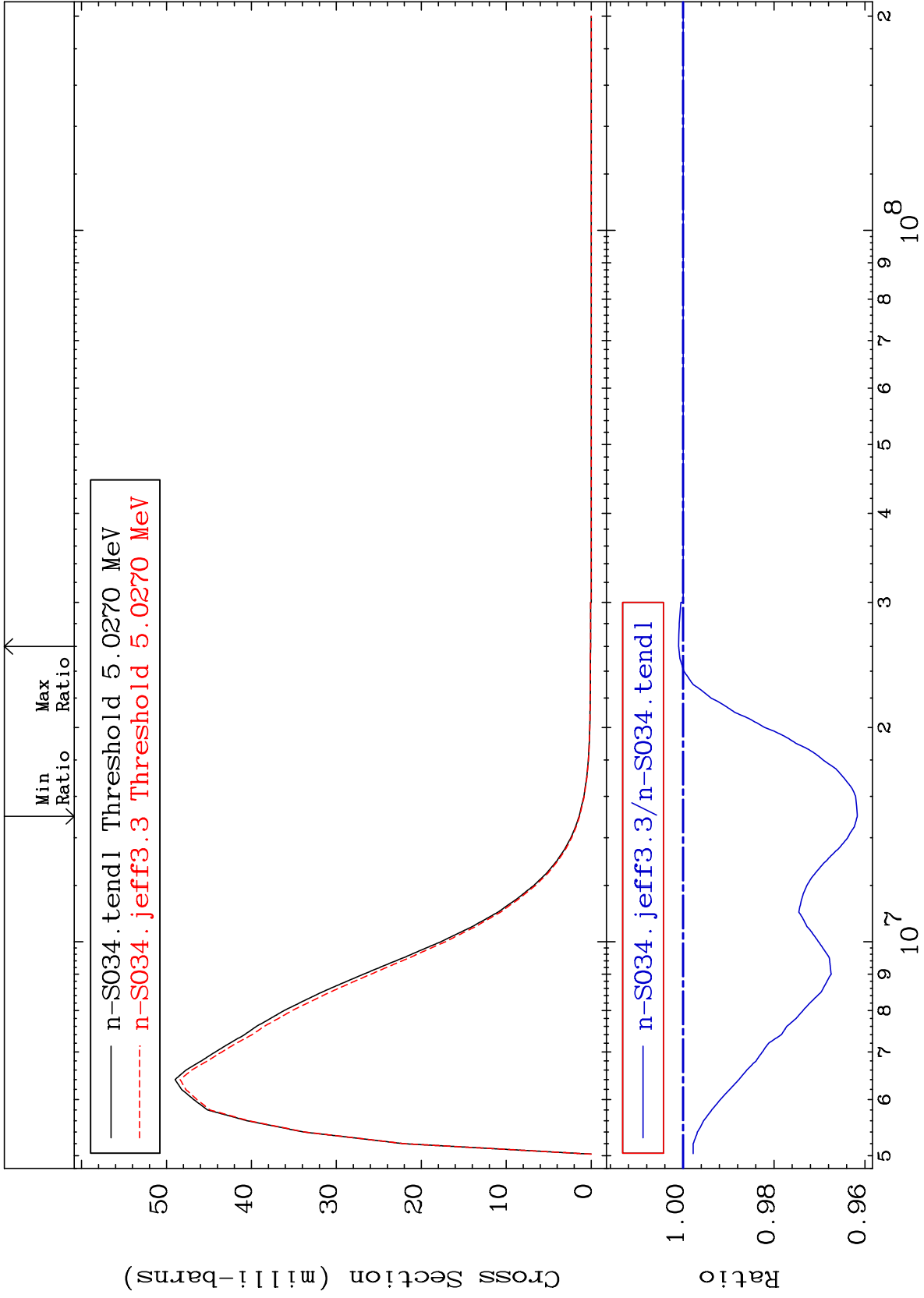
Incident Energy (eV)

16-S -34

MAT 1631

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

16-S -34
-3.832 To 0.098 %



26

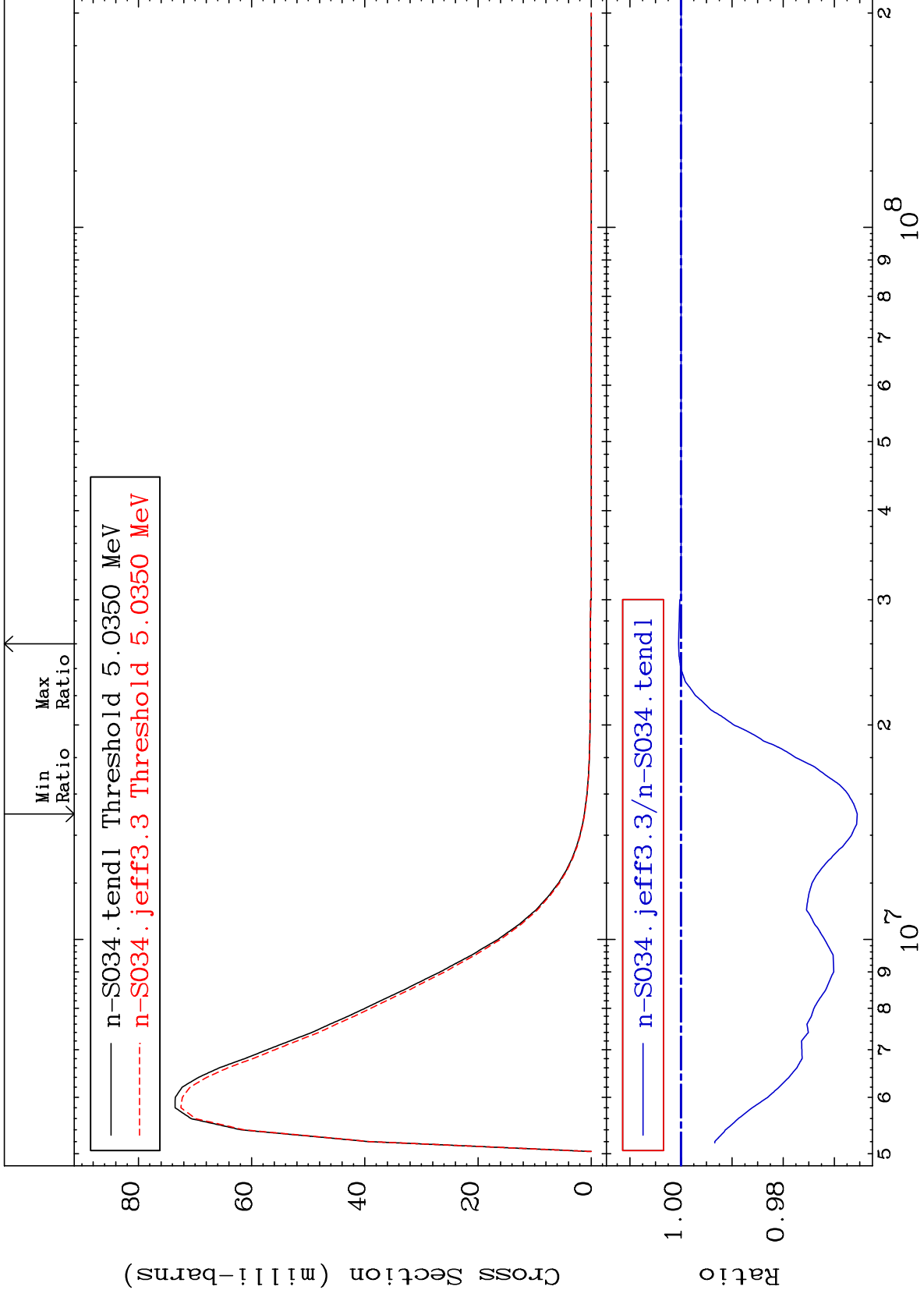
Incident Energy (eV)

16-S -34

MAT 1631

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

16-S -34
-3.450 To 0.046 %



27

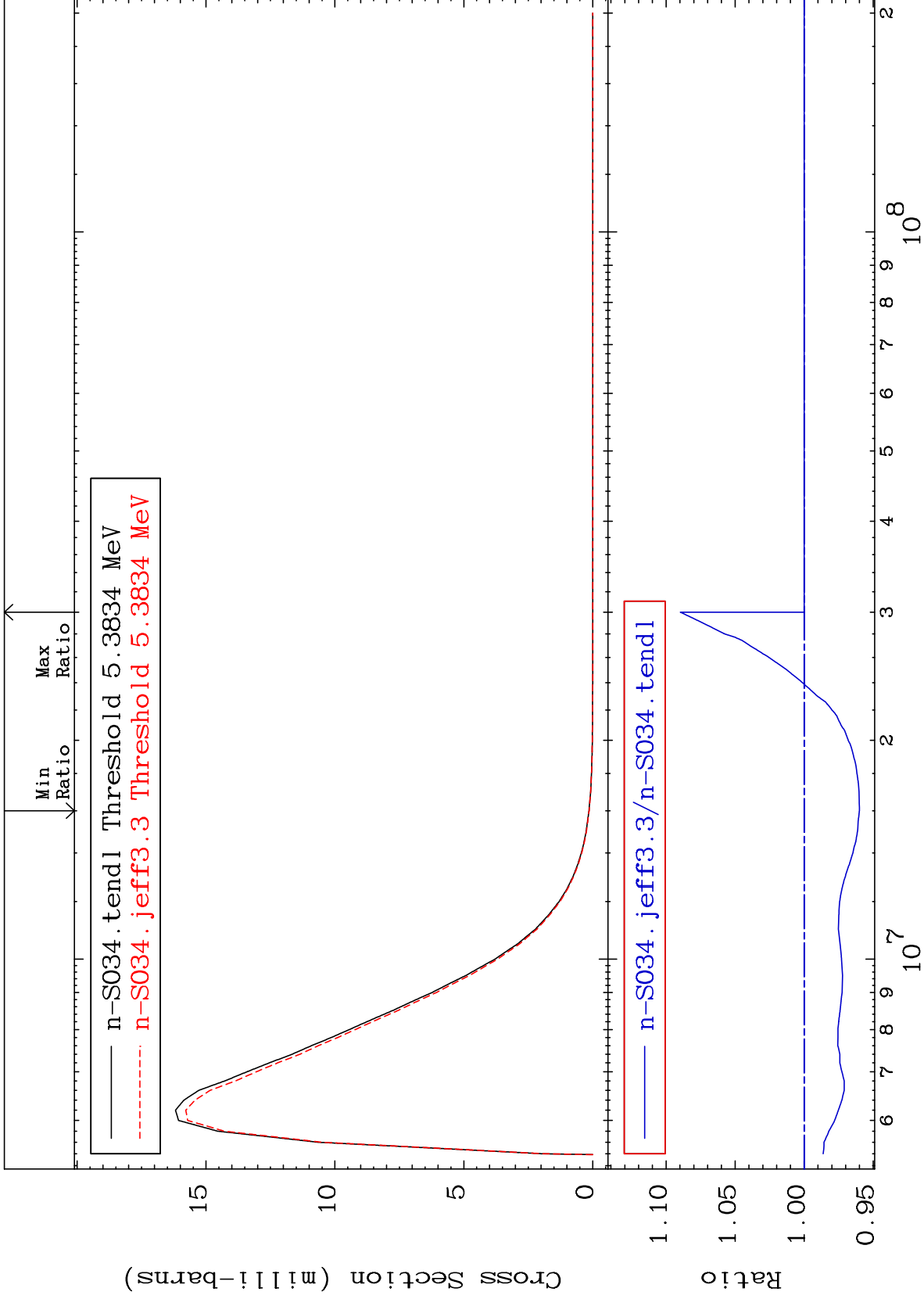
Incident Energy (eV)

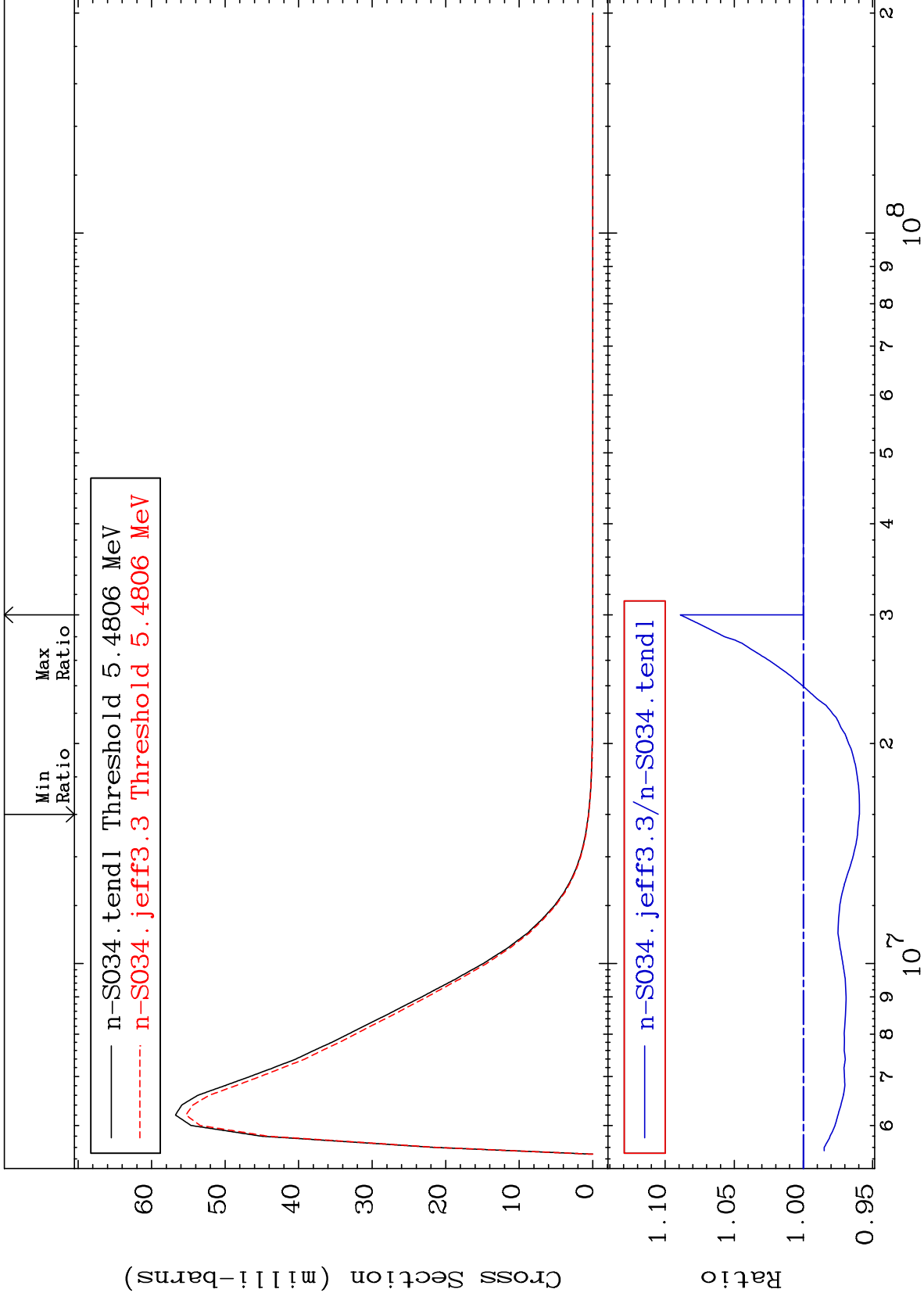
16-S -34

MAT 1631

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

16-S -34
-4.000 To 8.972 %

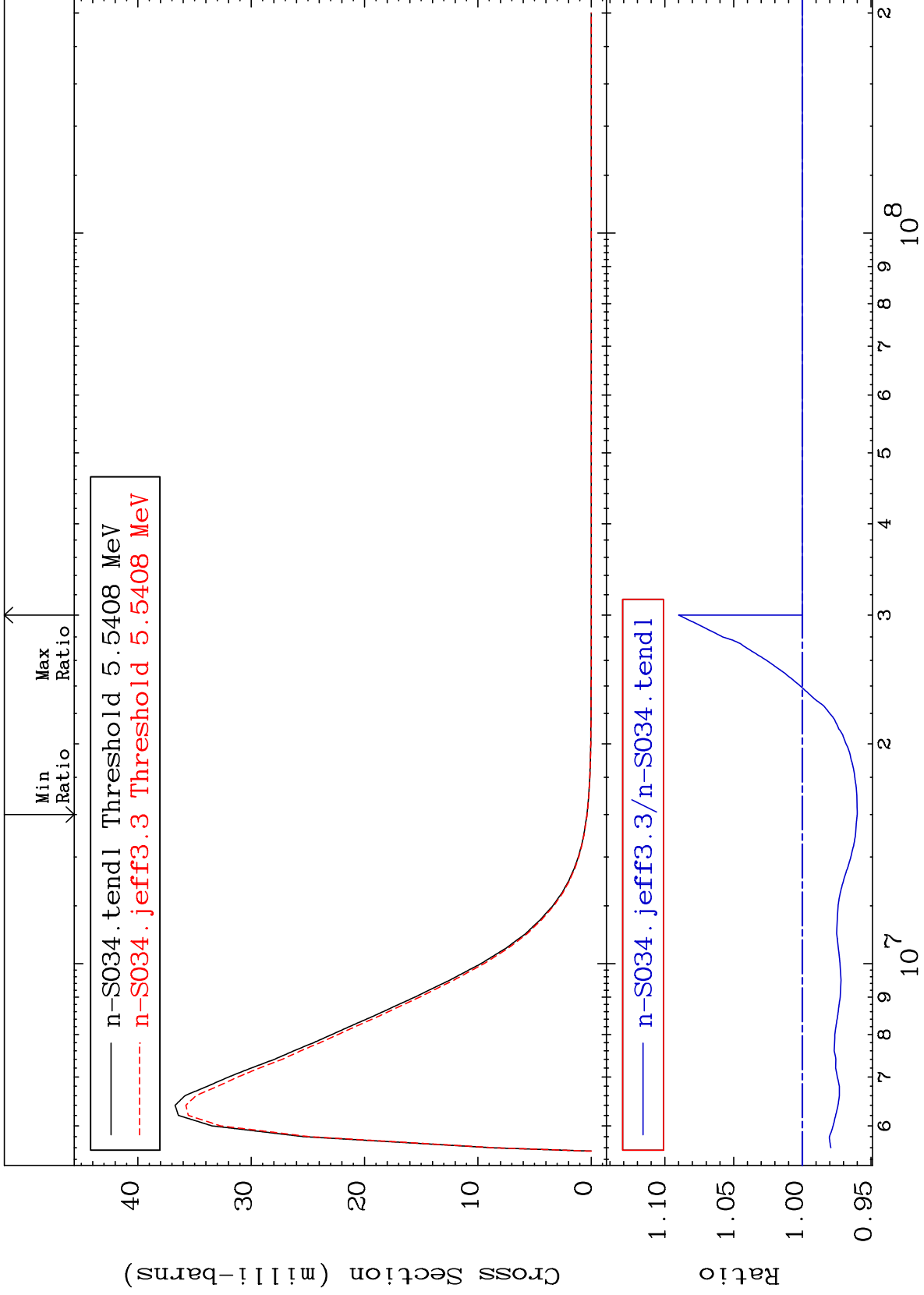




MAT 1631

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

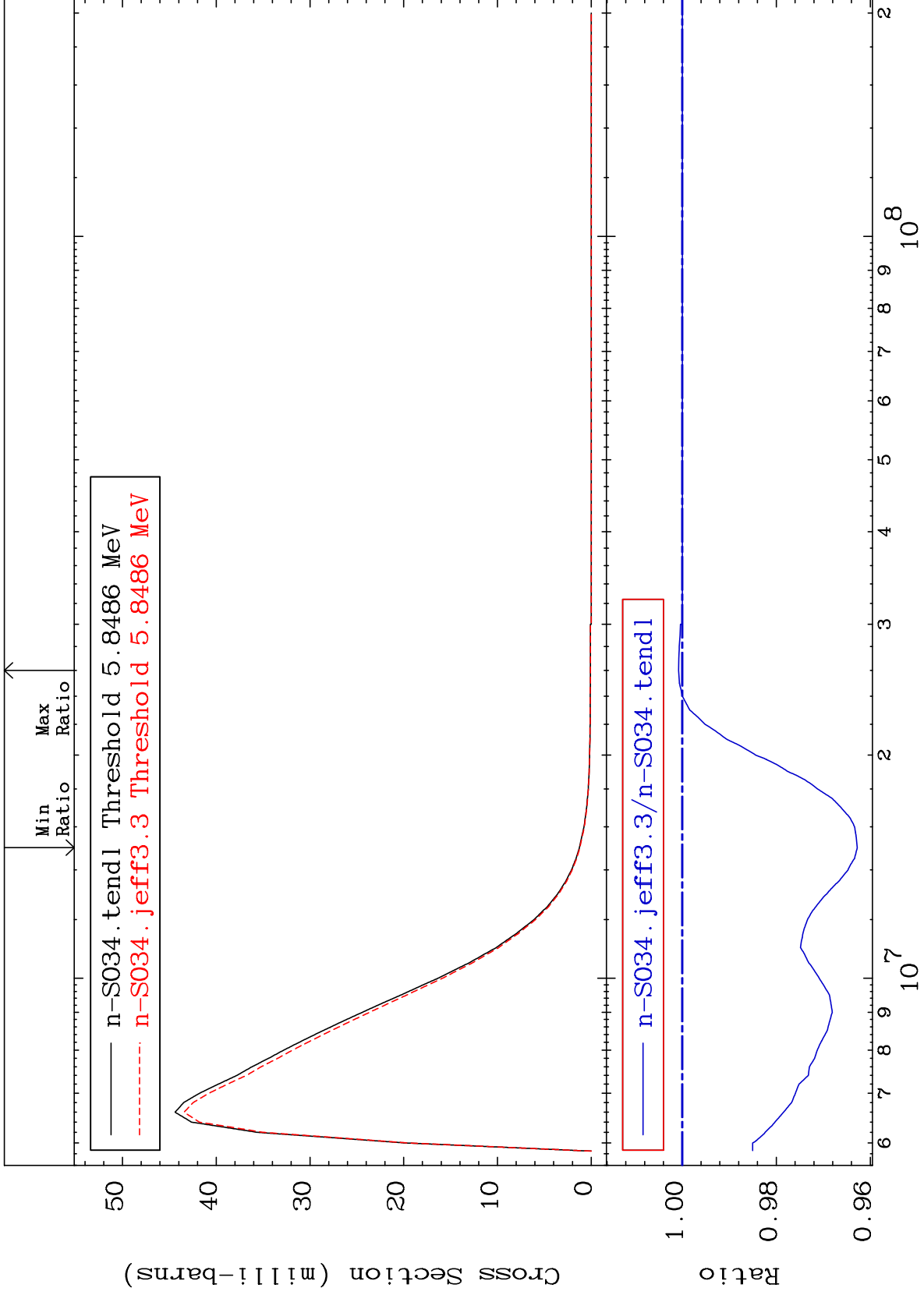
16-S -34
-3.996 To 9.003 %



30

Incident Energy (eV)

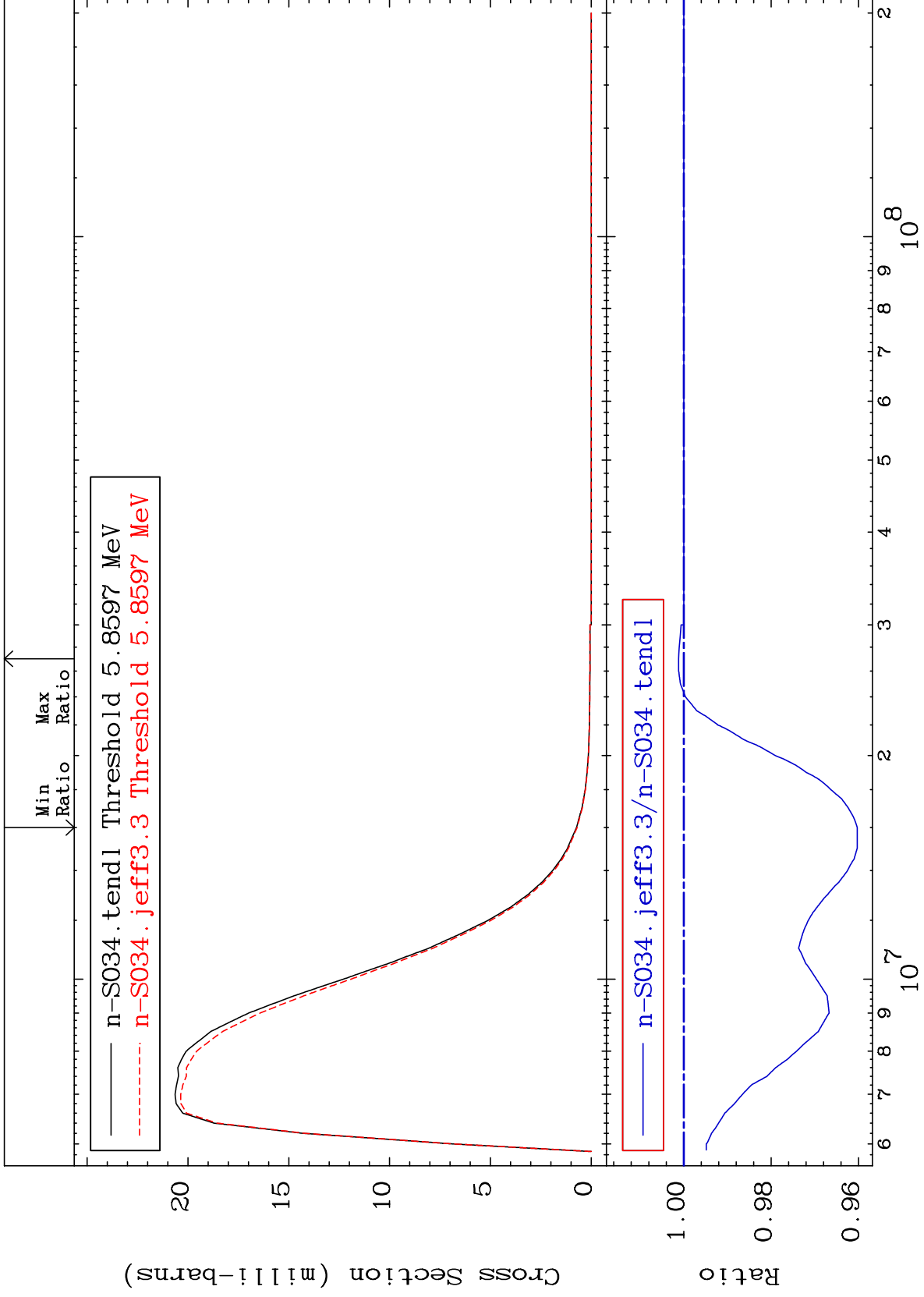
16-S -34



MAT 1631

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

16-S -34
-3.970 To 0.116 %



32

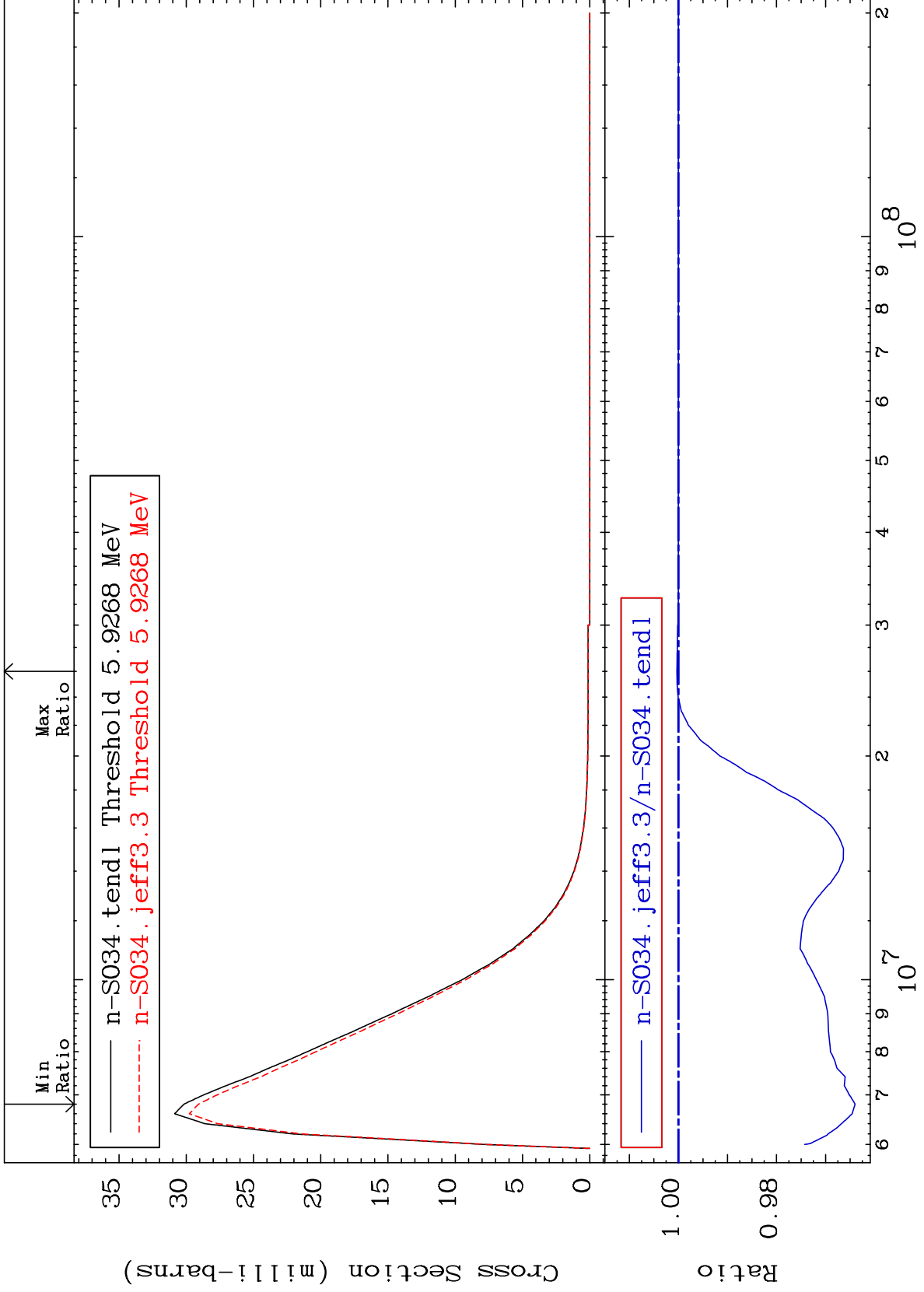
Incident Energy (eV)

16-S -34

MAT 1631

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

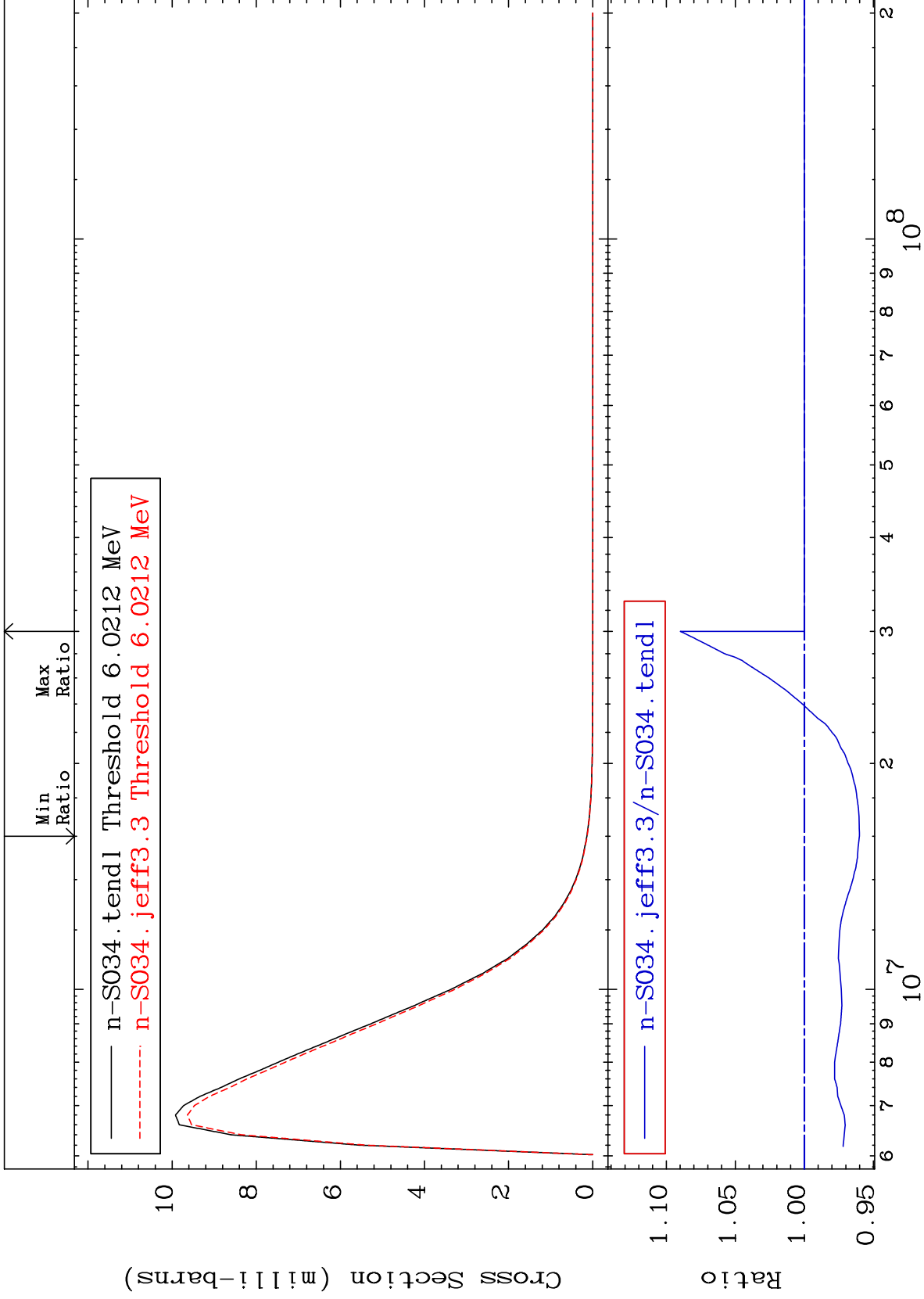
16-S -34
-3.601 To 0.031 %



33

Incident Energy (eV)

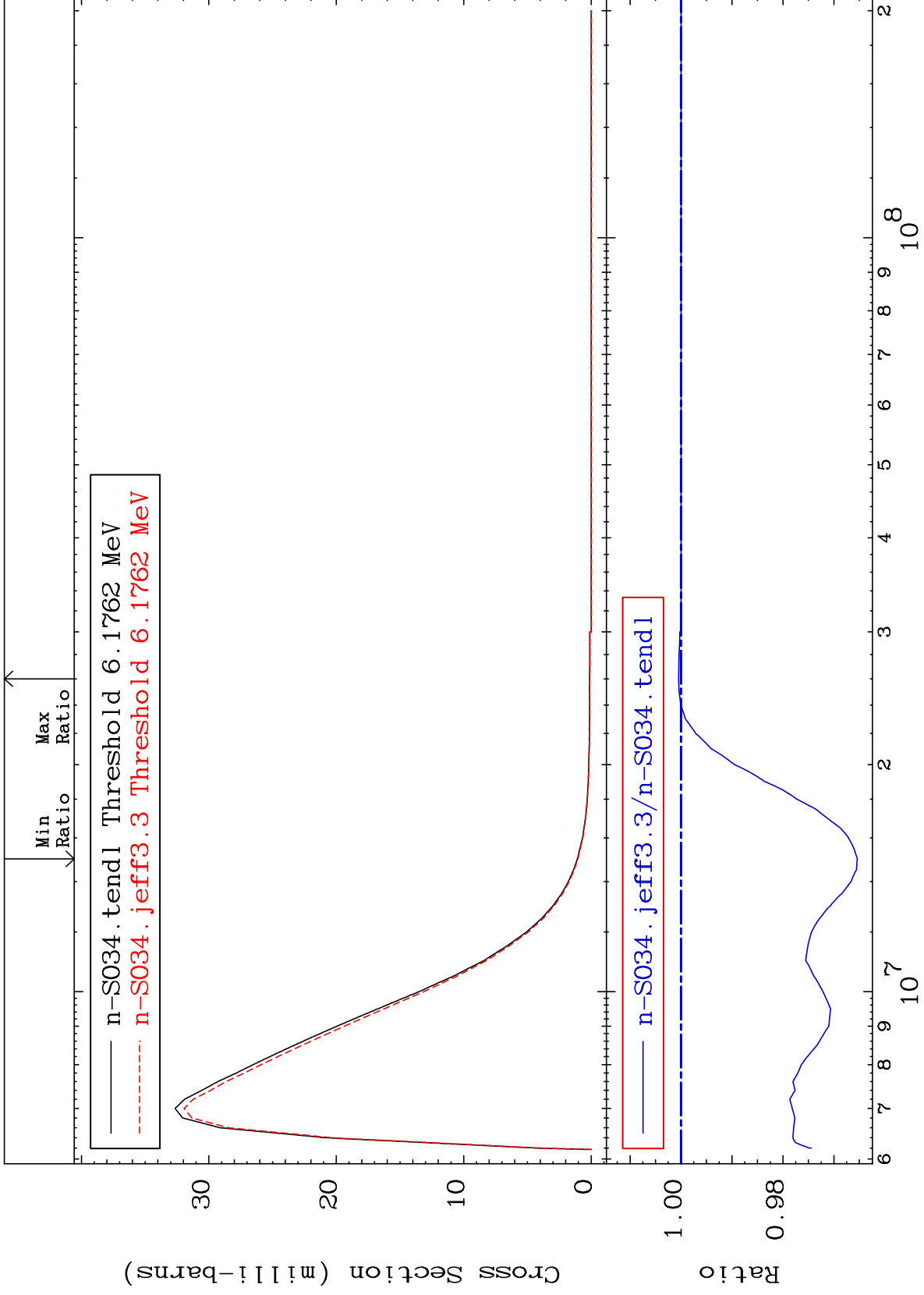
16-S -34



MAT 1631

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

16-S -34
-3.458 To 0.047 %



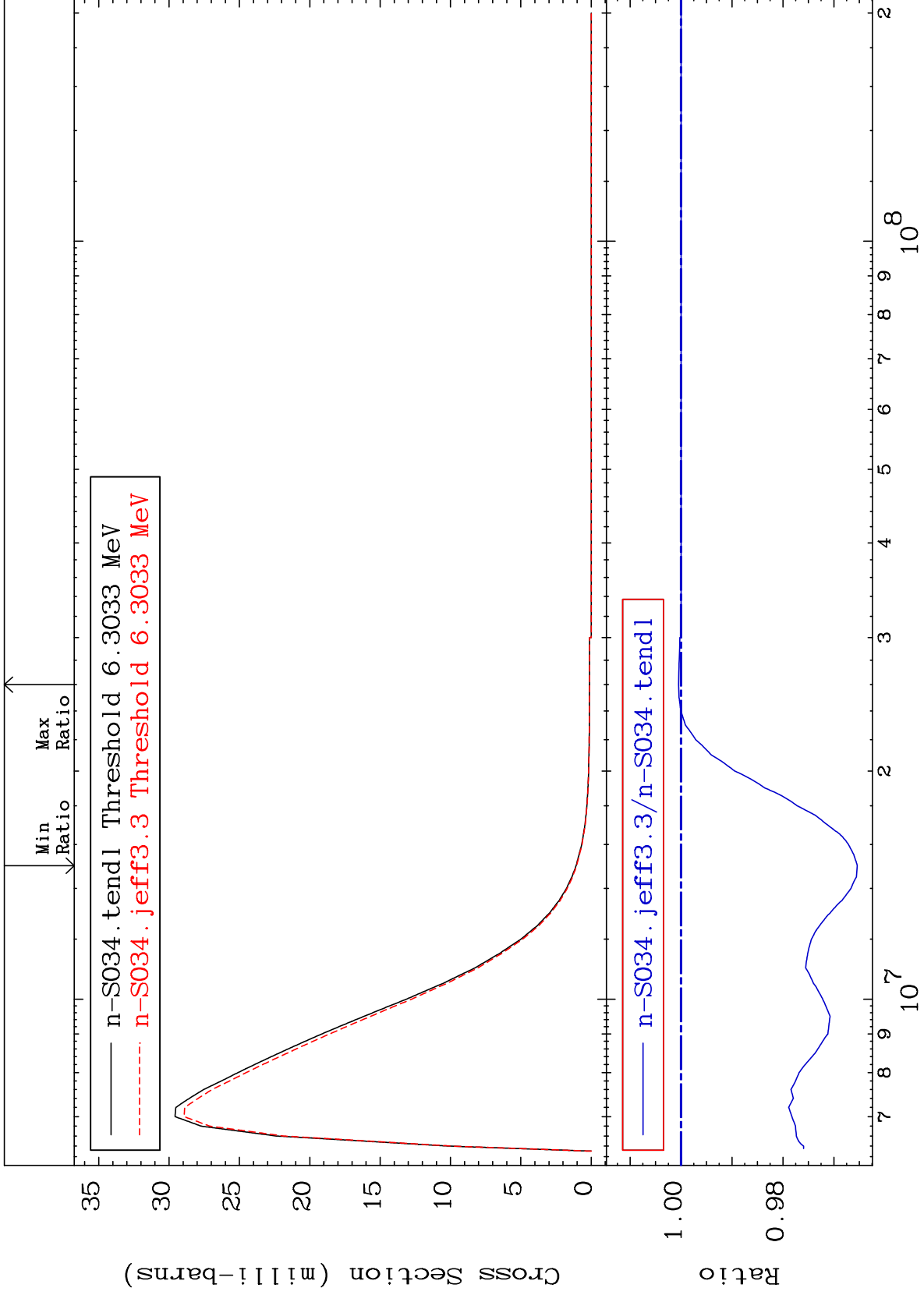
35

16-S -34

MAT 1631

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

16-S -34
-3.459 To 0.047 %



36

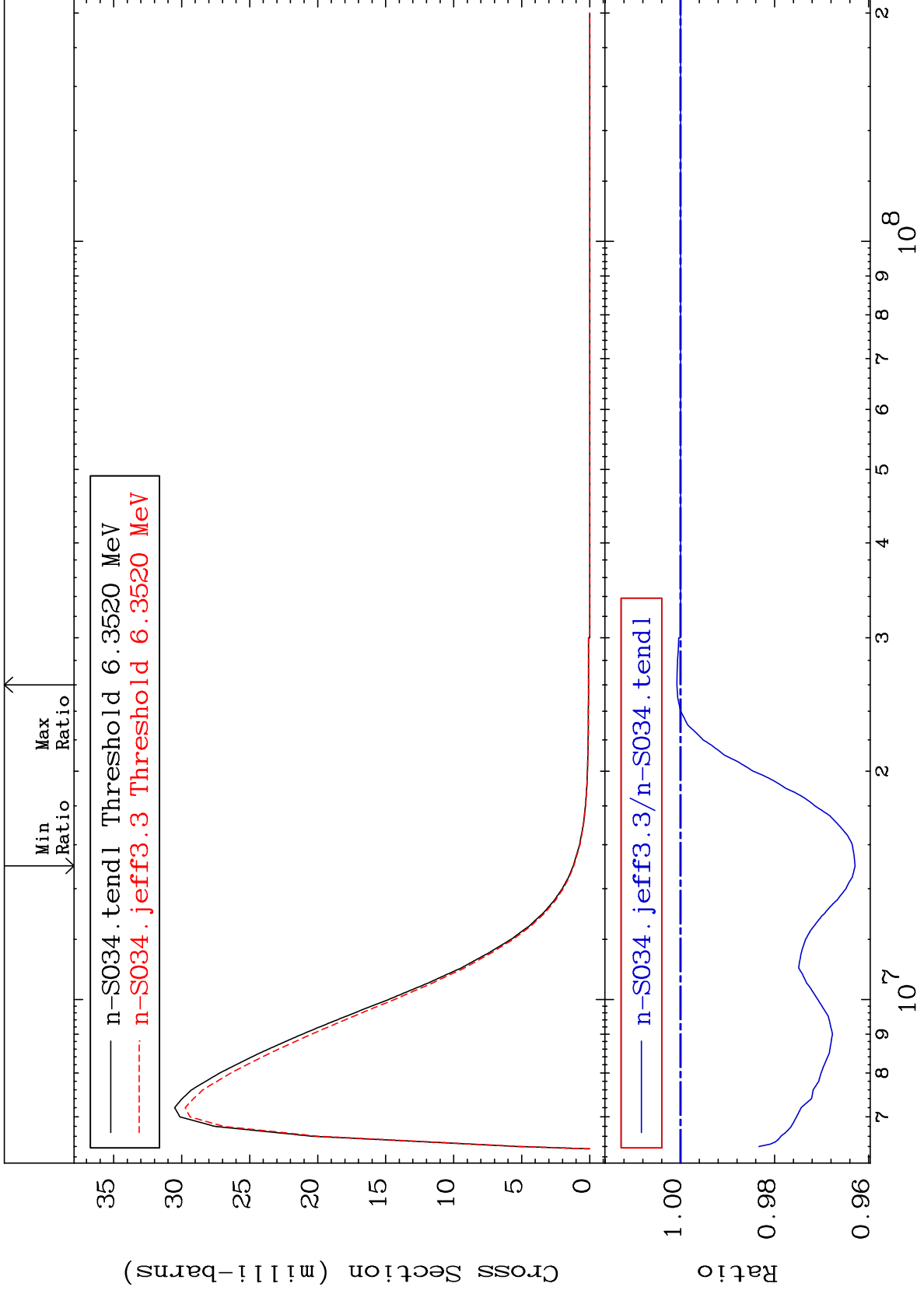
Incident Energy (eV)

16-S -34

MAT 1631

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

16-S -34
-3.711 To 0.077 %



37

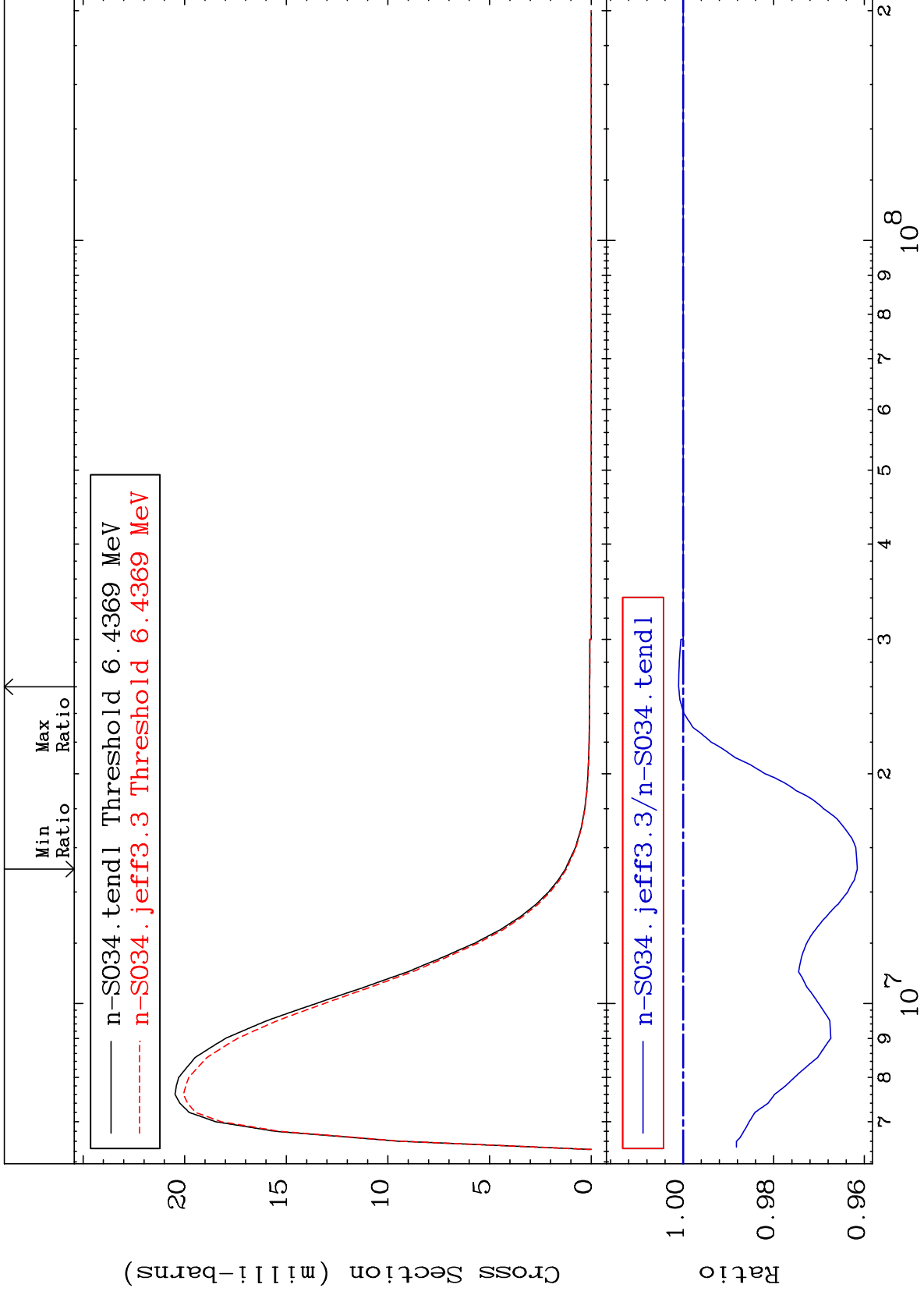
Incident Energy (eV)

16-S -34

MAT 1631

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

16-S -34
-3.844 To 0.099 %



38

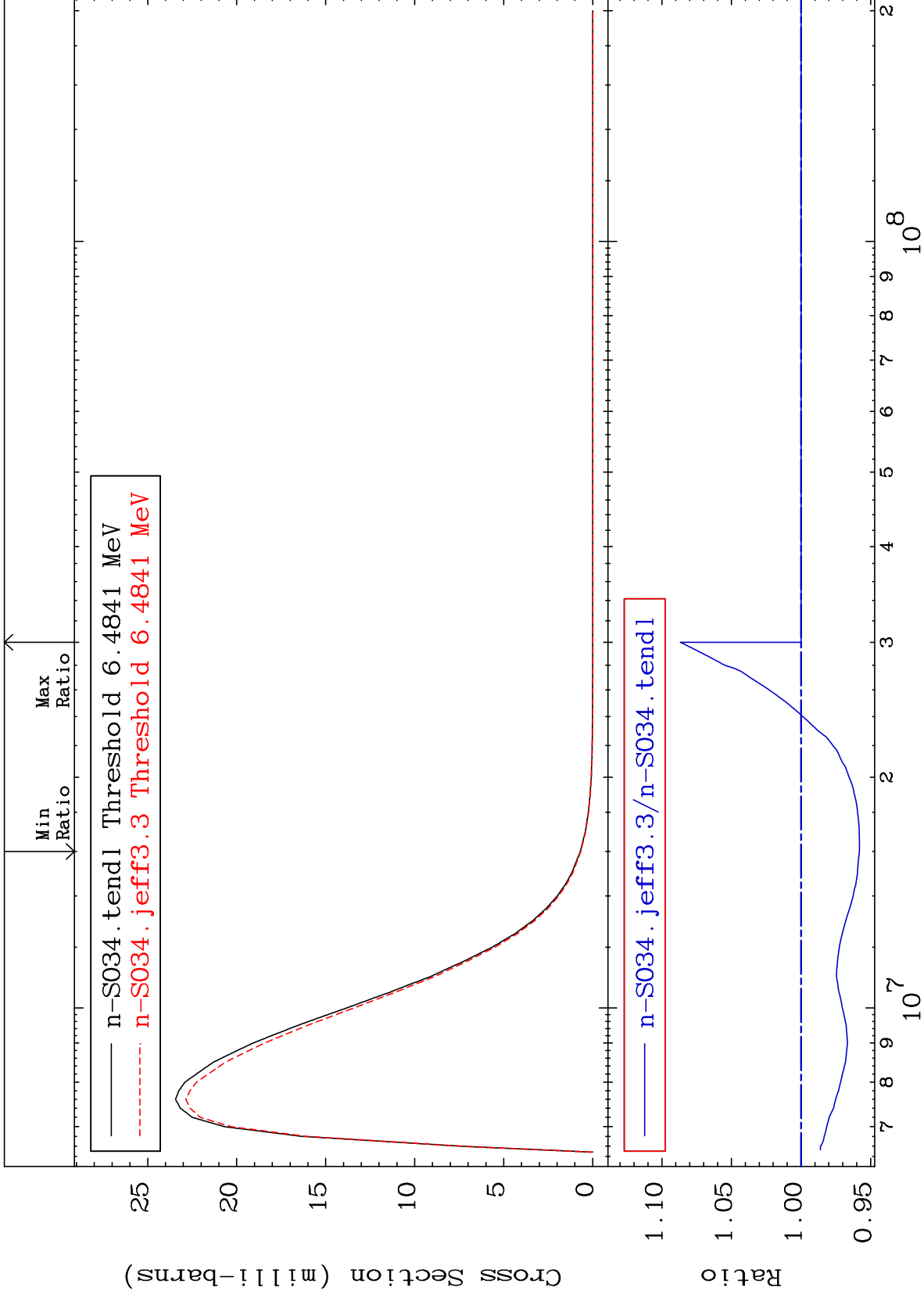
Incident Energy (eV)

16-S -34

MAT 1631

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

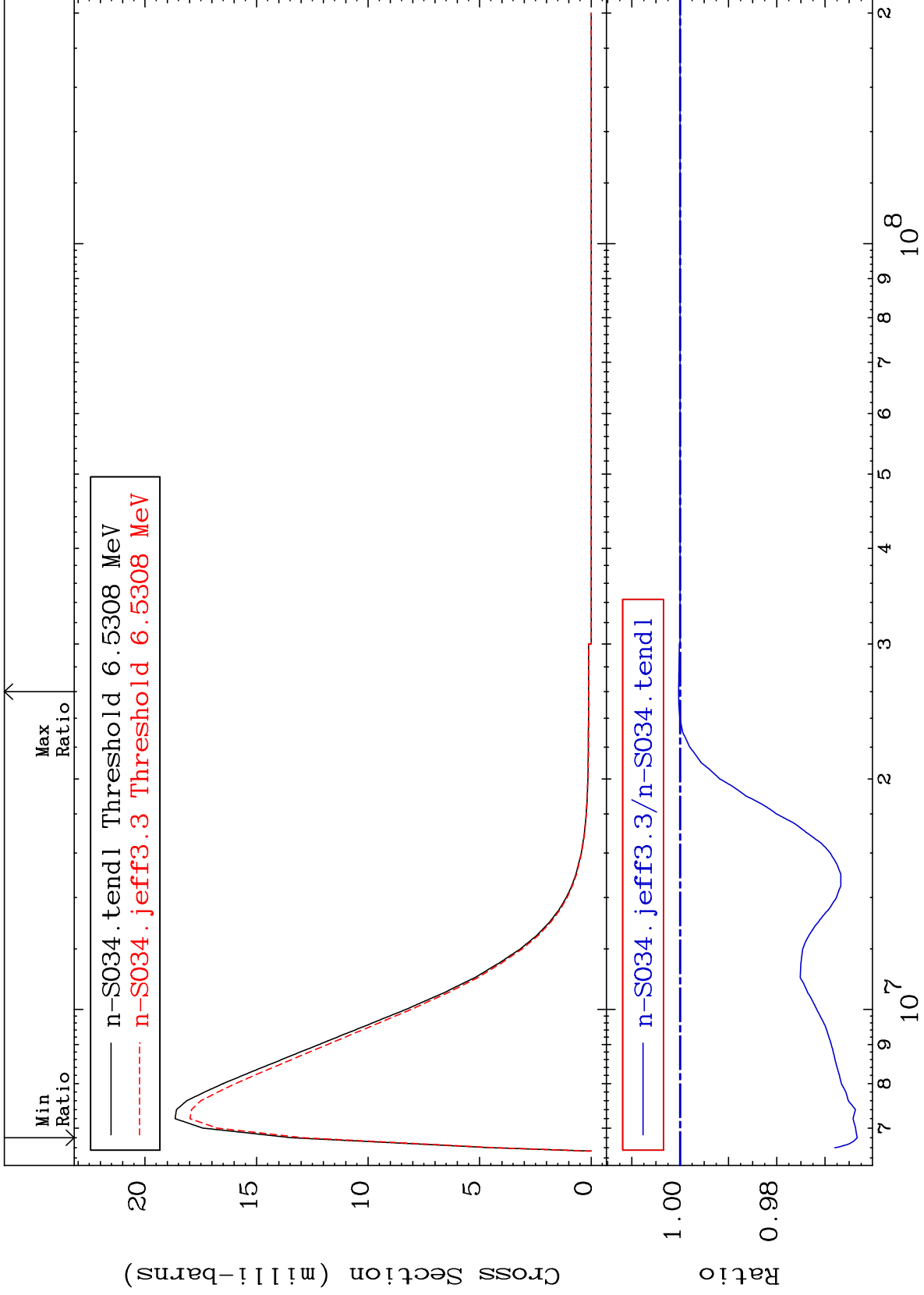
16-S -34
-4.197 To 8.672 %



MAT 1631

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

16-S -34
-3.668 To 0.031 %



40

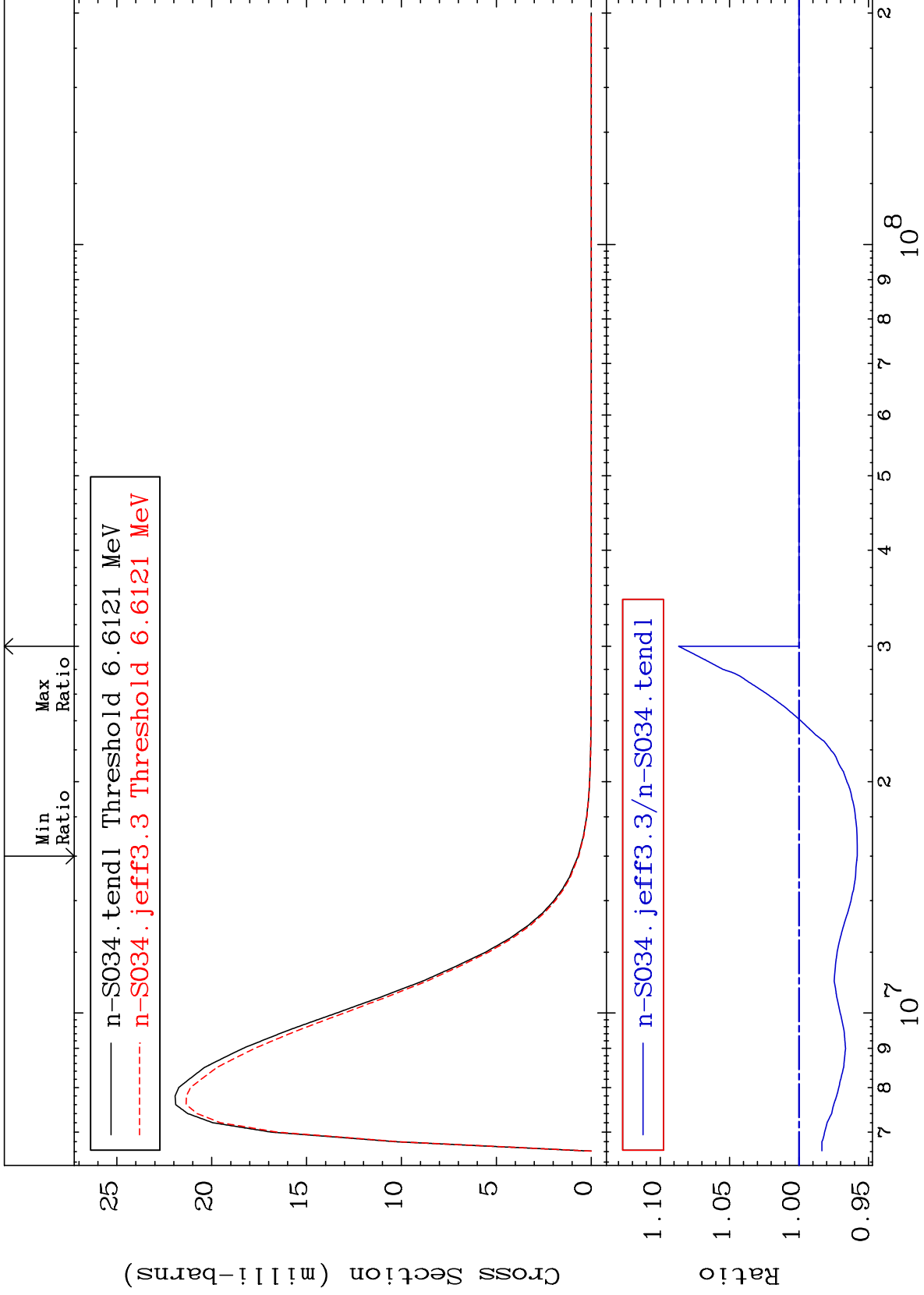
Incident Energy (eV)

16-S -34

MAT 1631

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

16-S -34
-4.197 To 8.673 %



41

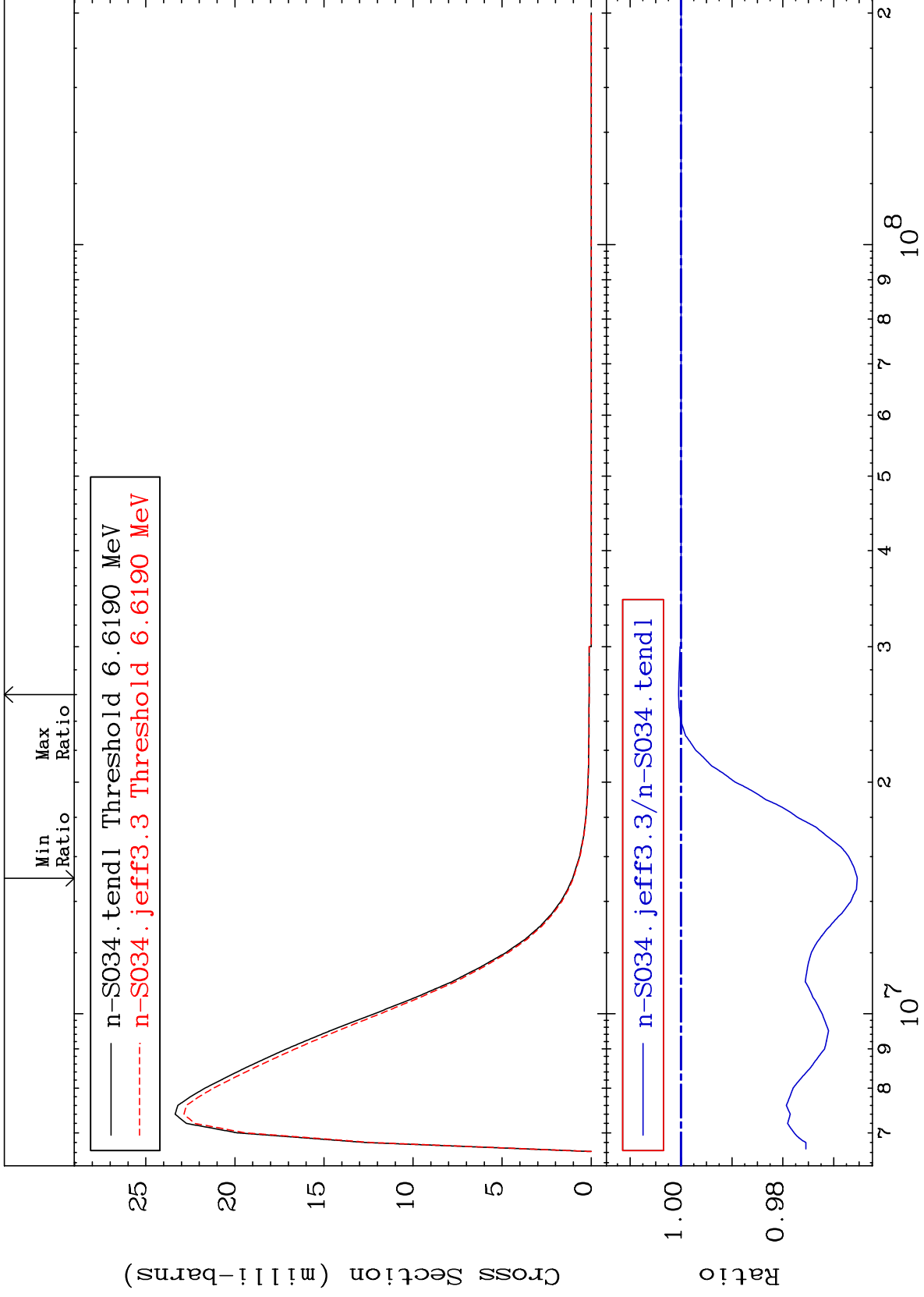
Incident Energy (eV)

16-S -34

MAT 1631

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

16-S -34
-3.461 To 0.048 %



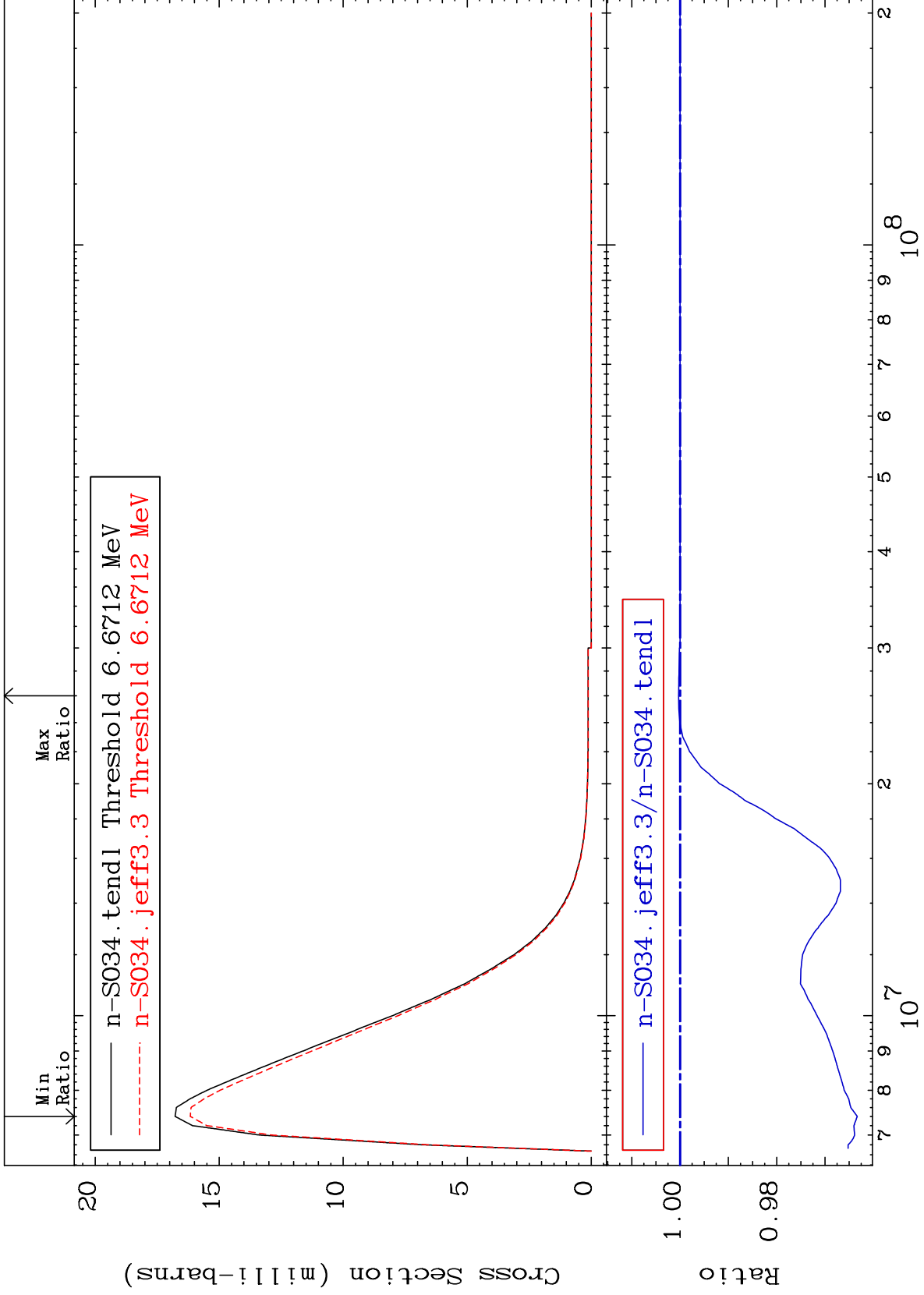
42

16-S -34

MAT 1631

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

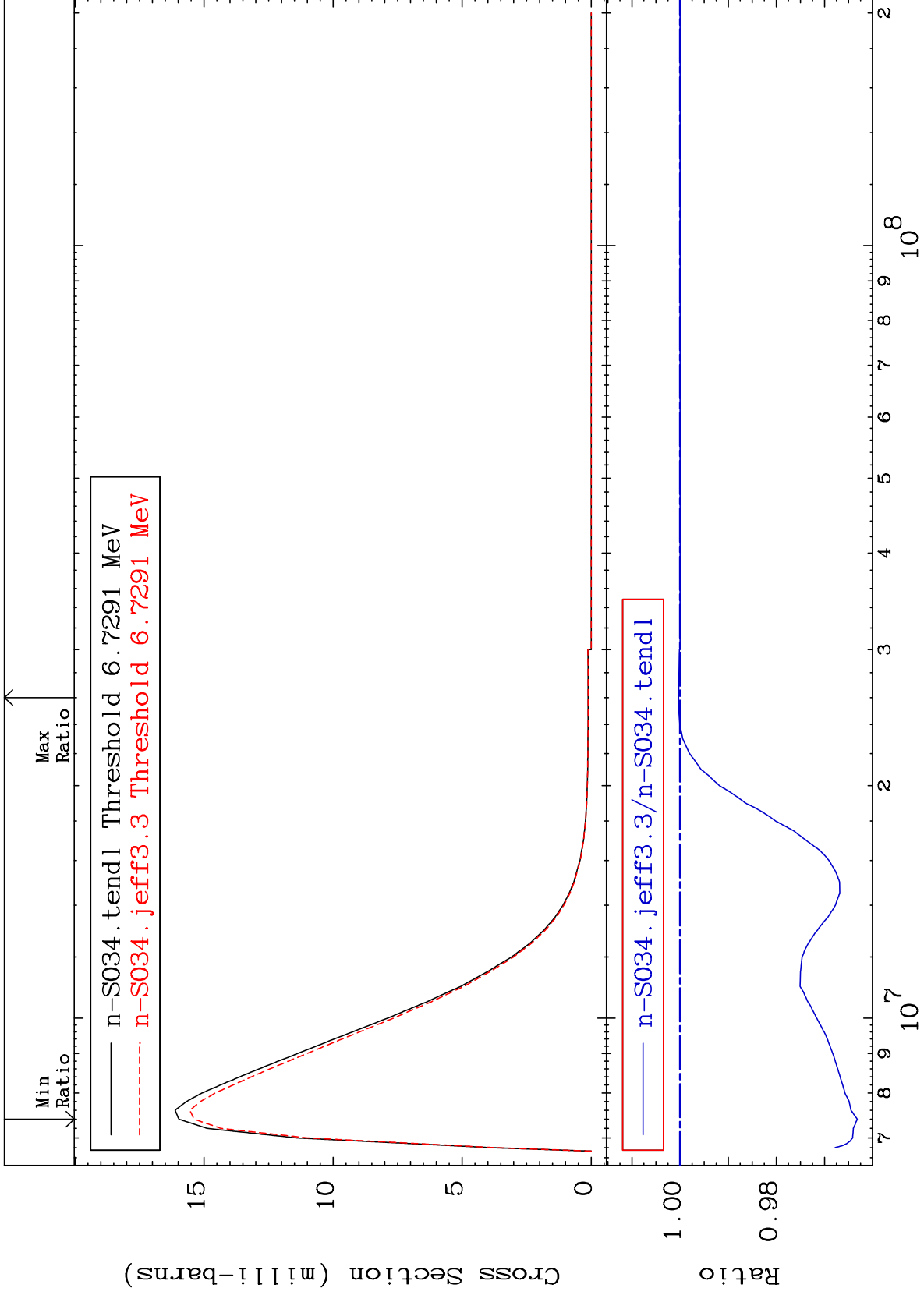
16-S -34
-3.668 To 0.031 %



MAT 1631

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

16-S -34
-3.680 To 0.030 %



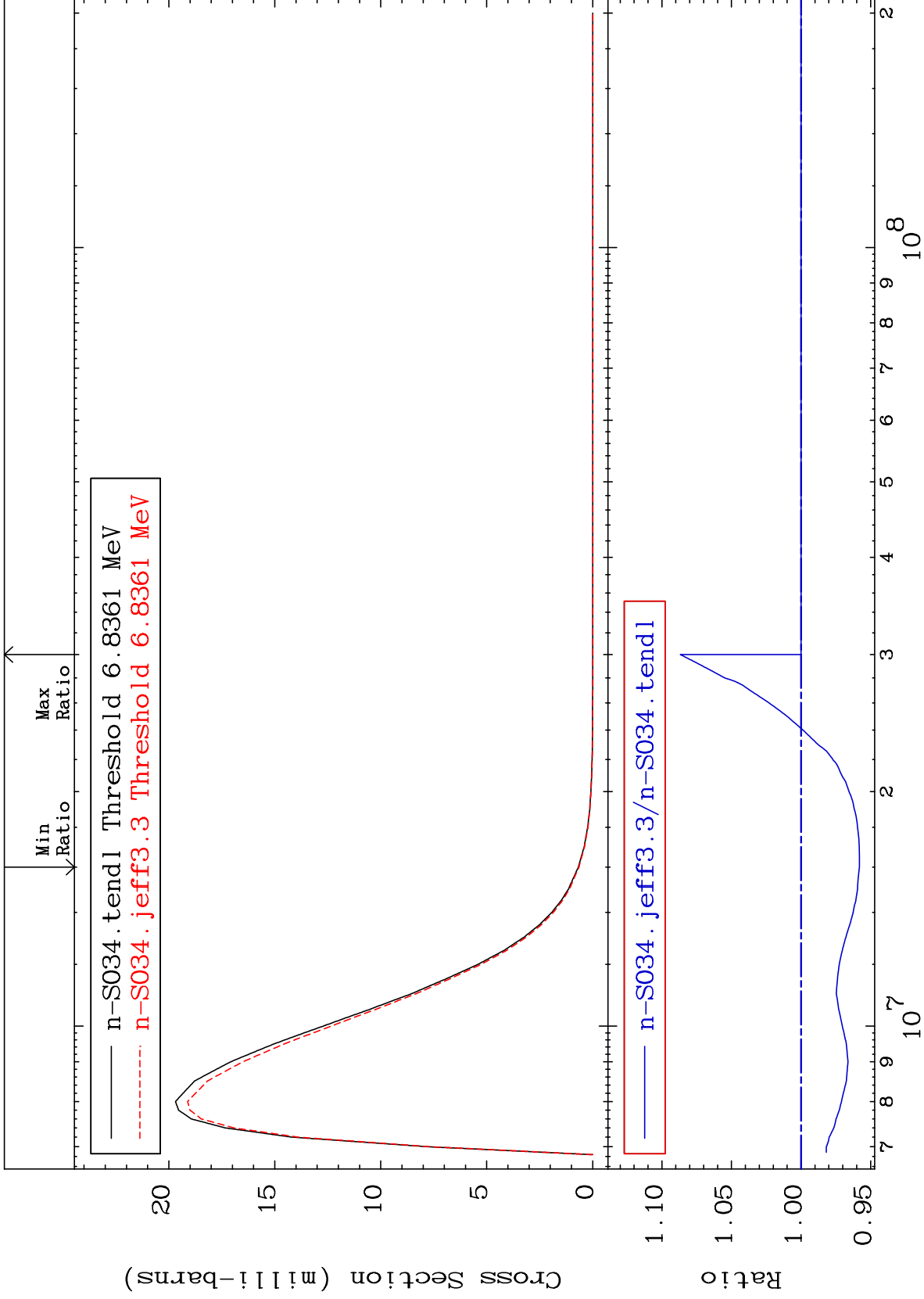
44

16-S -34

MAT 1631

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

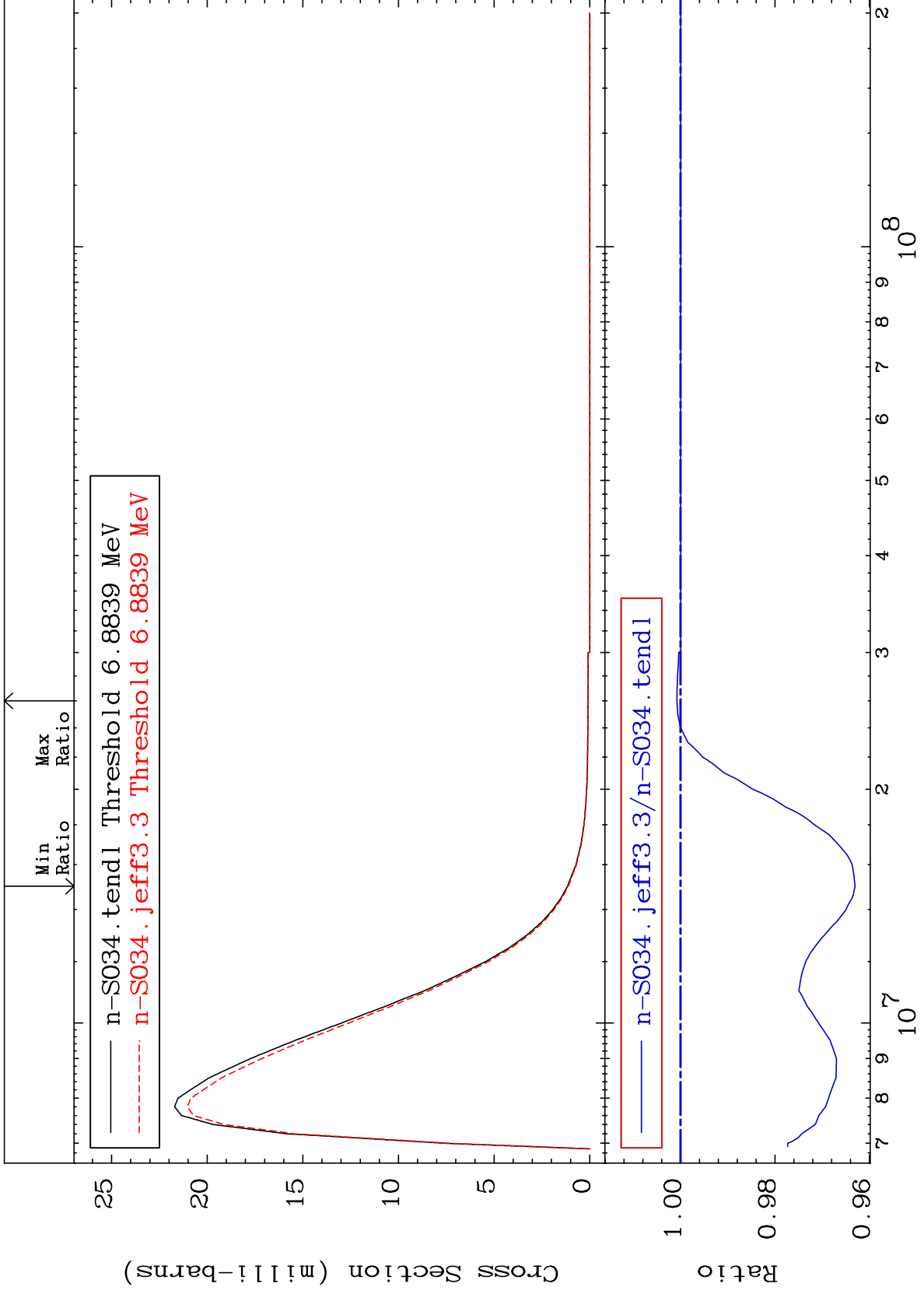
16-S -34
-4.197 To 8.674 %



45

Incident Energy (eV)

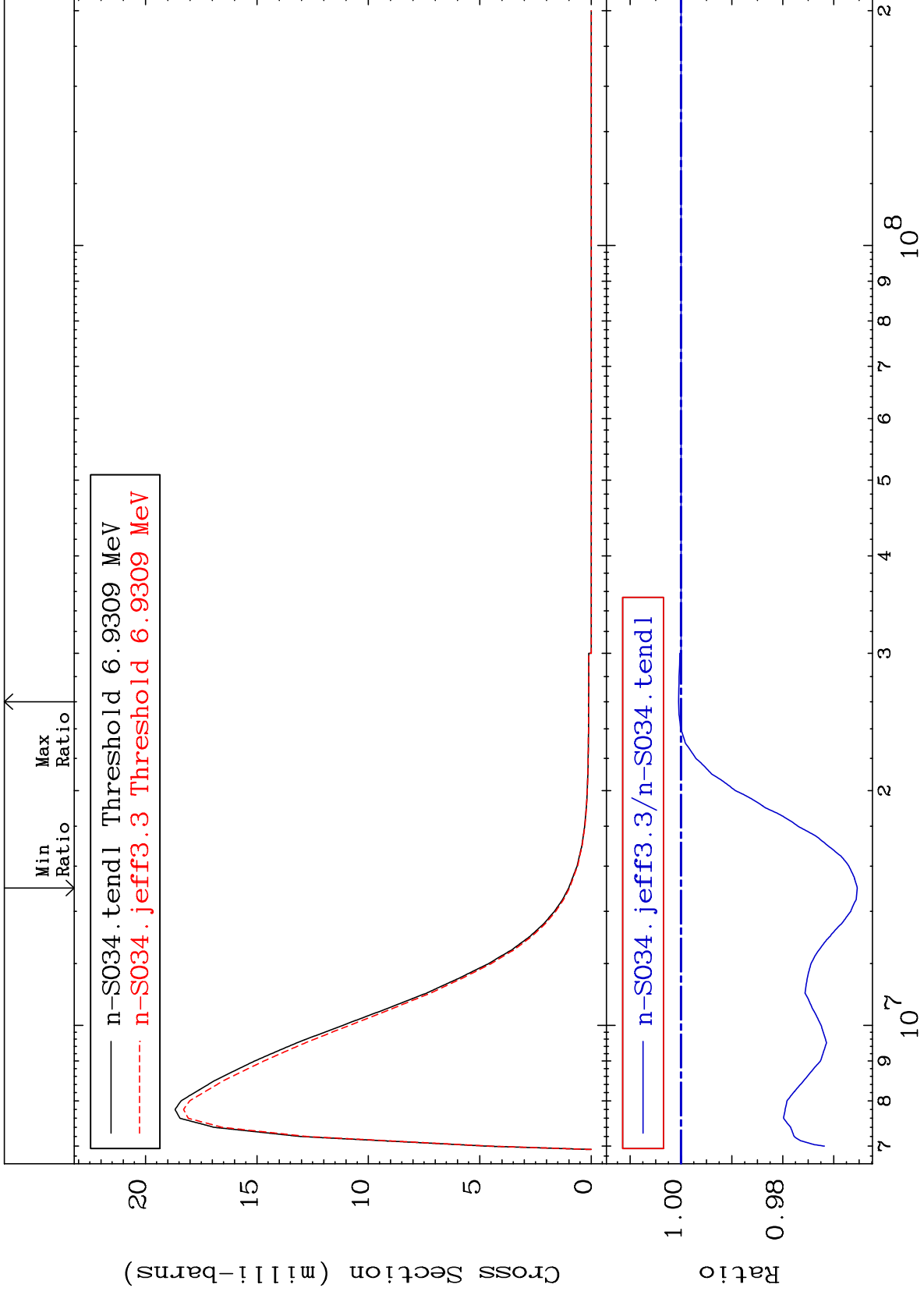
16-S -34



MAT 1631

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

16-S -34
-3.464 To 0.048 %



47

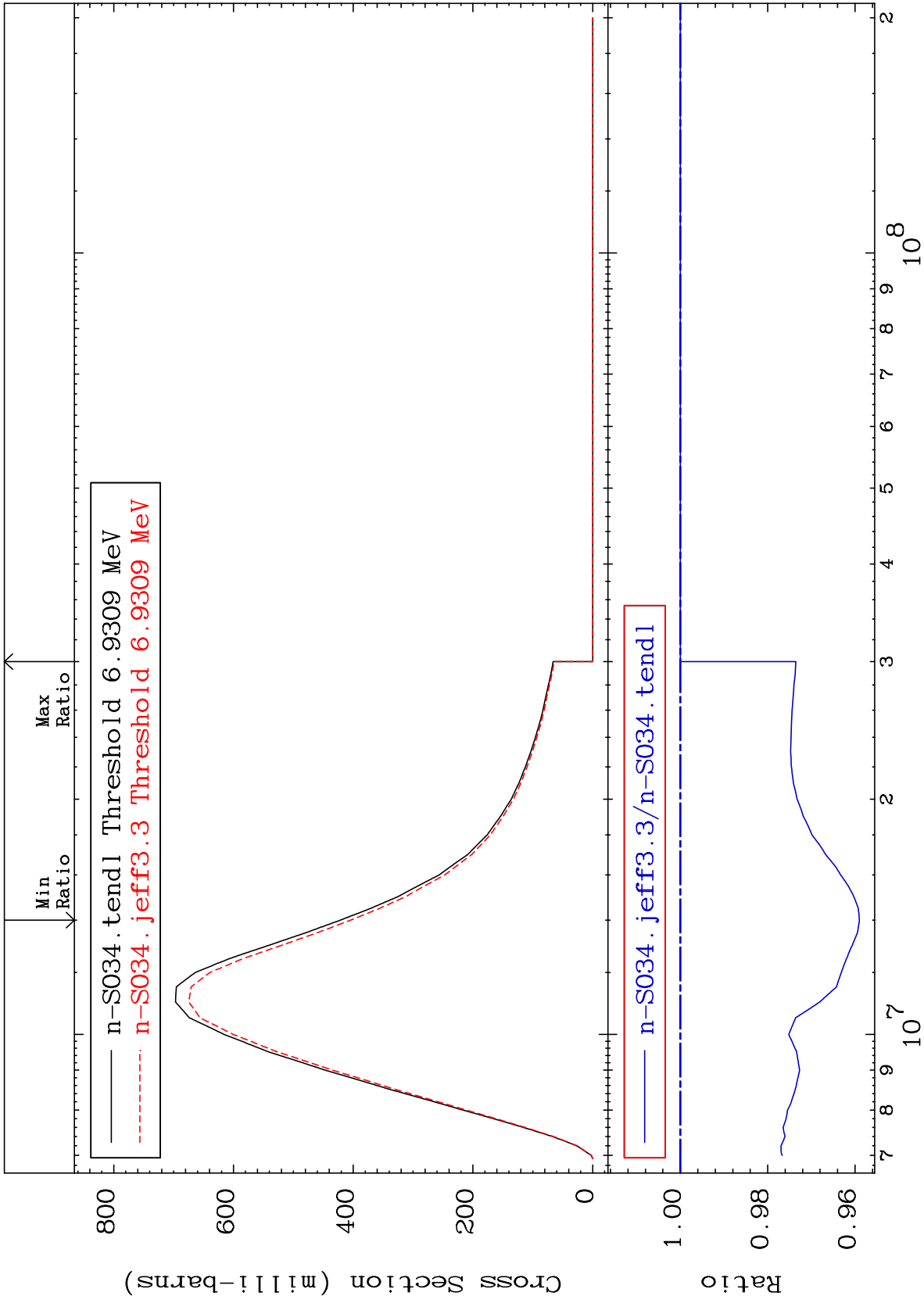
Incident Energy (eV)

16-S -34

MAT 1631

(n, n') Continuum
Cross Section

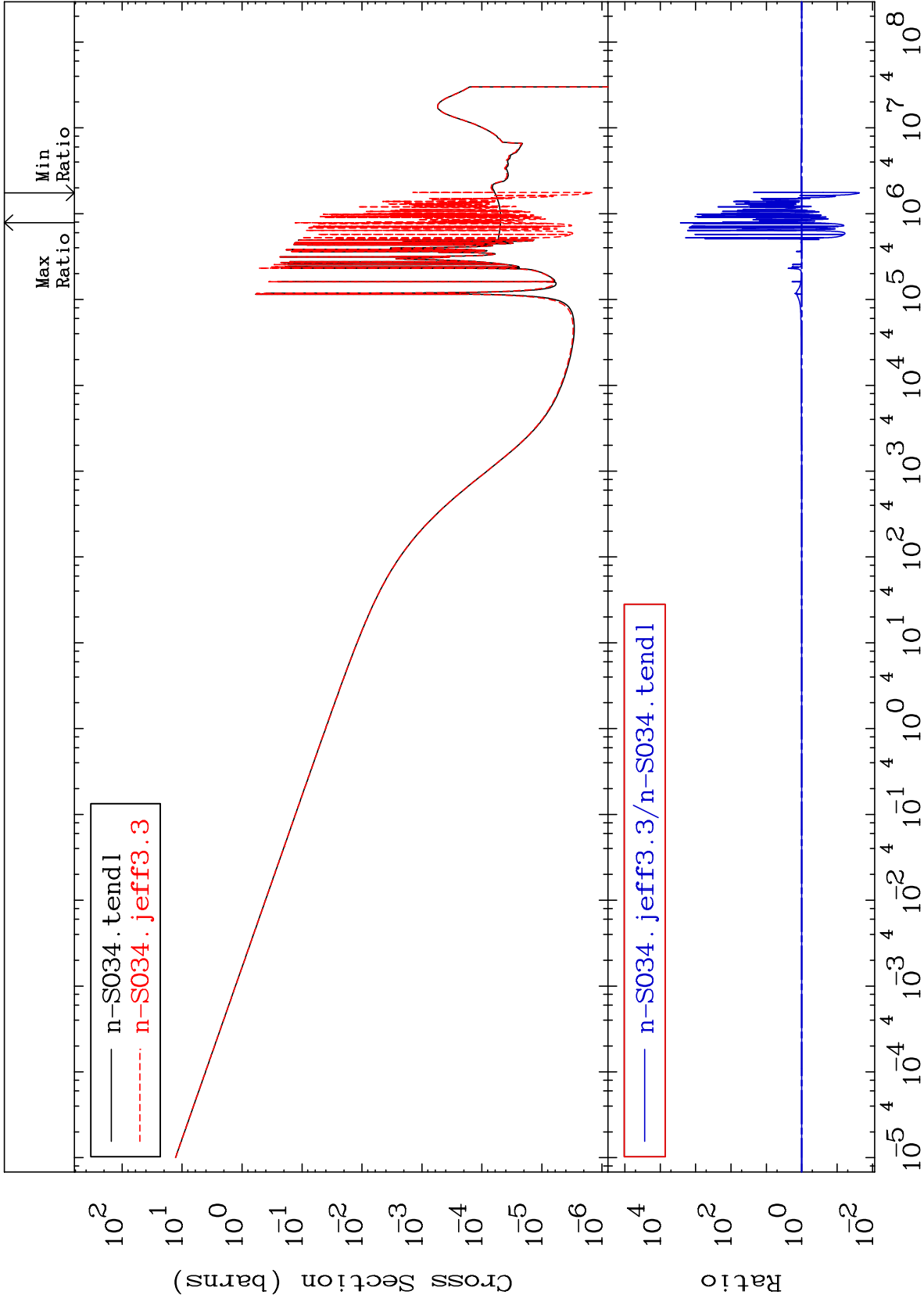
16-S -34
-4.101 To 0.000 %



MAT 1631

(n, γ)
Cross Section

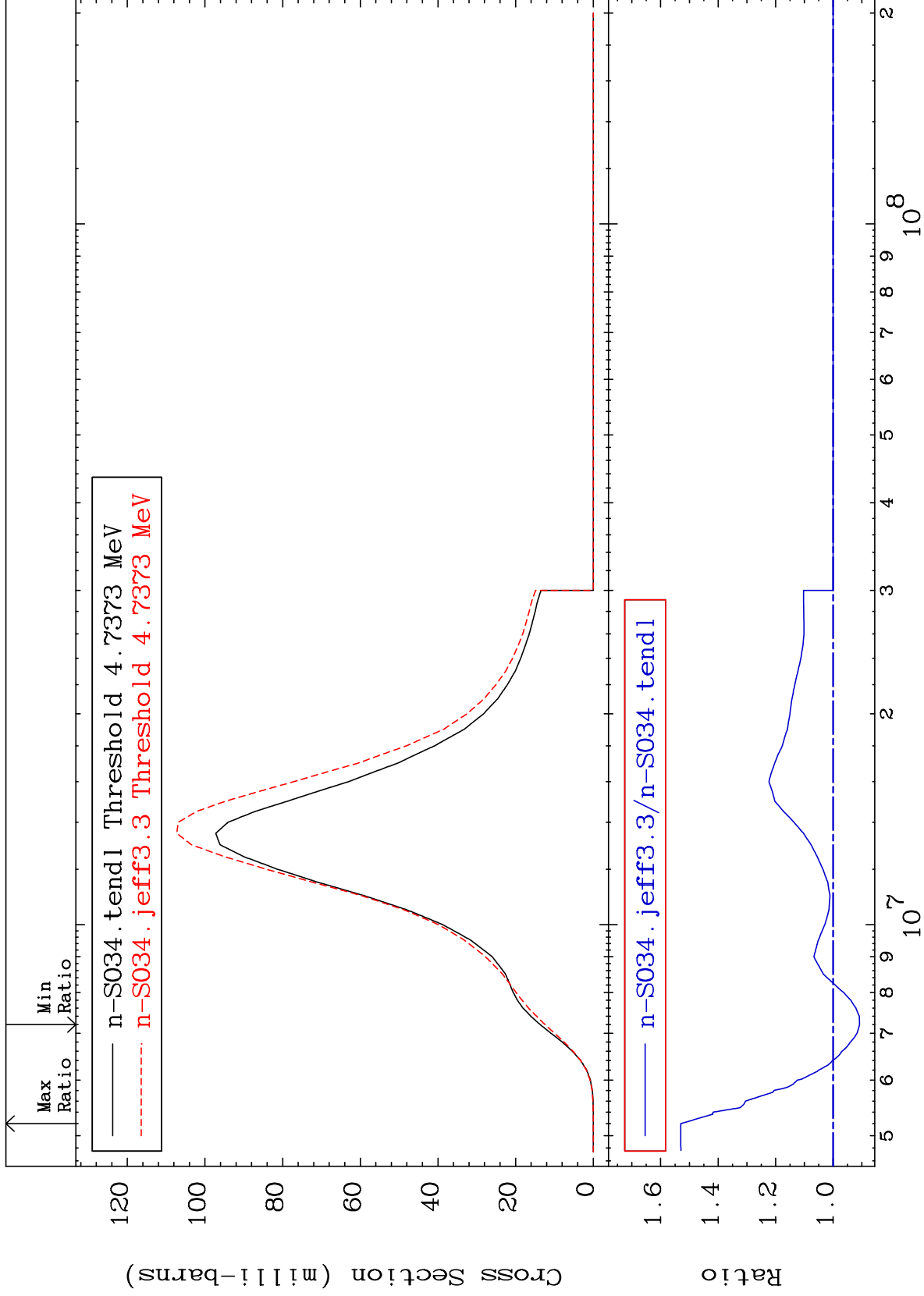
16-S -34
-97.66 To 9999. %



MAT 1631

(n,p)
Cross Section

16-S -34
-9.181 To 52.99 %



50

Incident Energy (eV)

16-S -34

MAT 1631

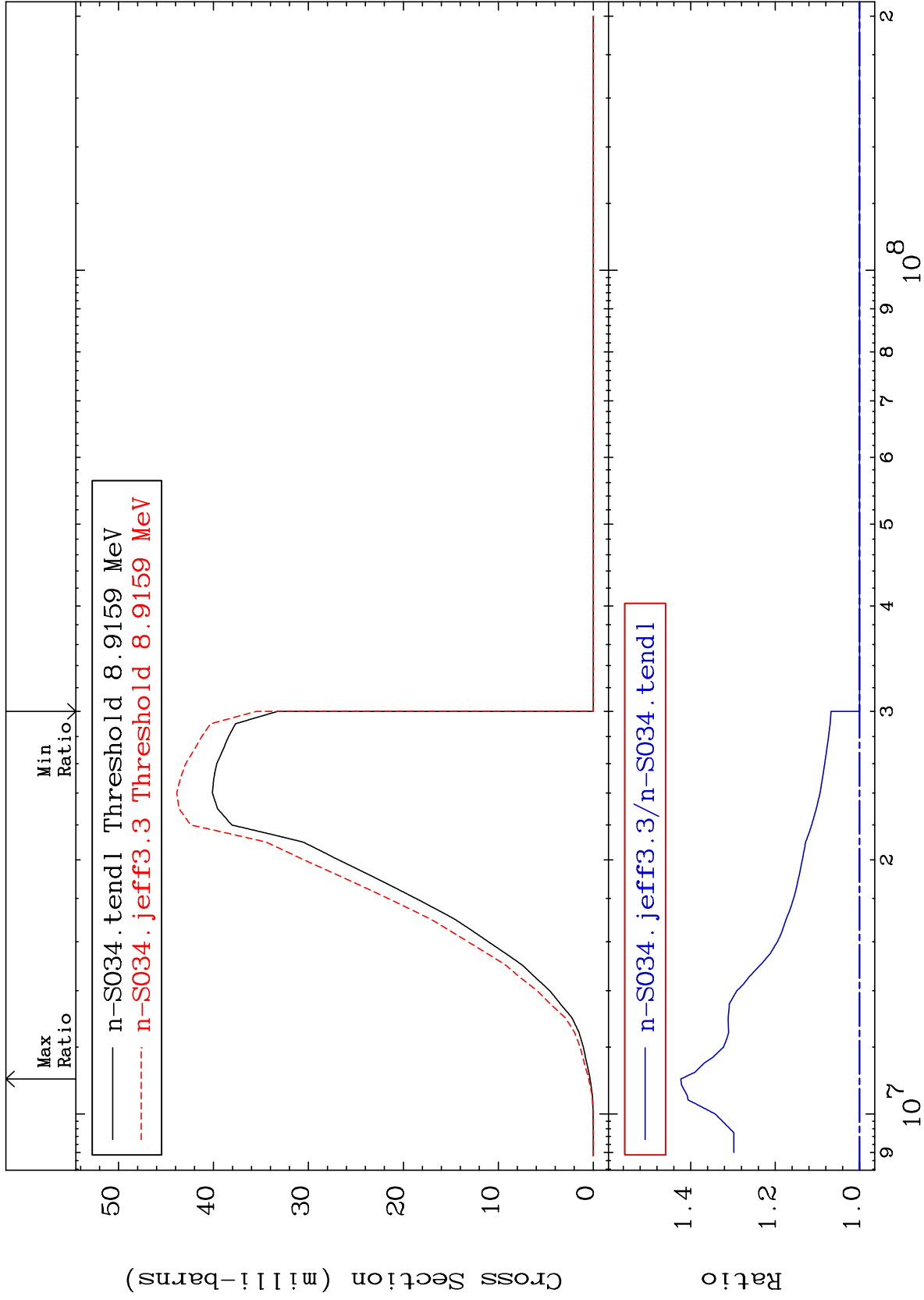
(n, d)

16-S -34

Cross Section

0.000

To 42.38 %



51

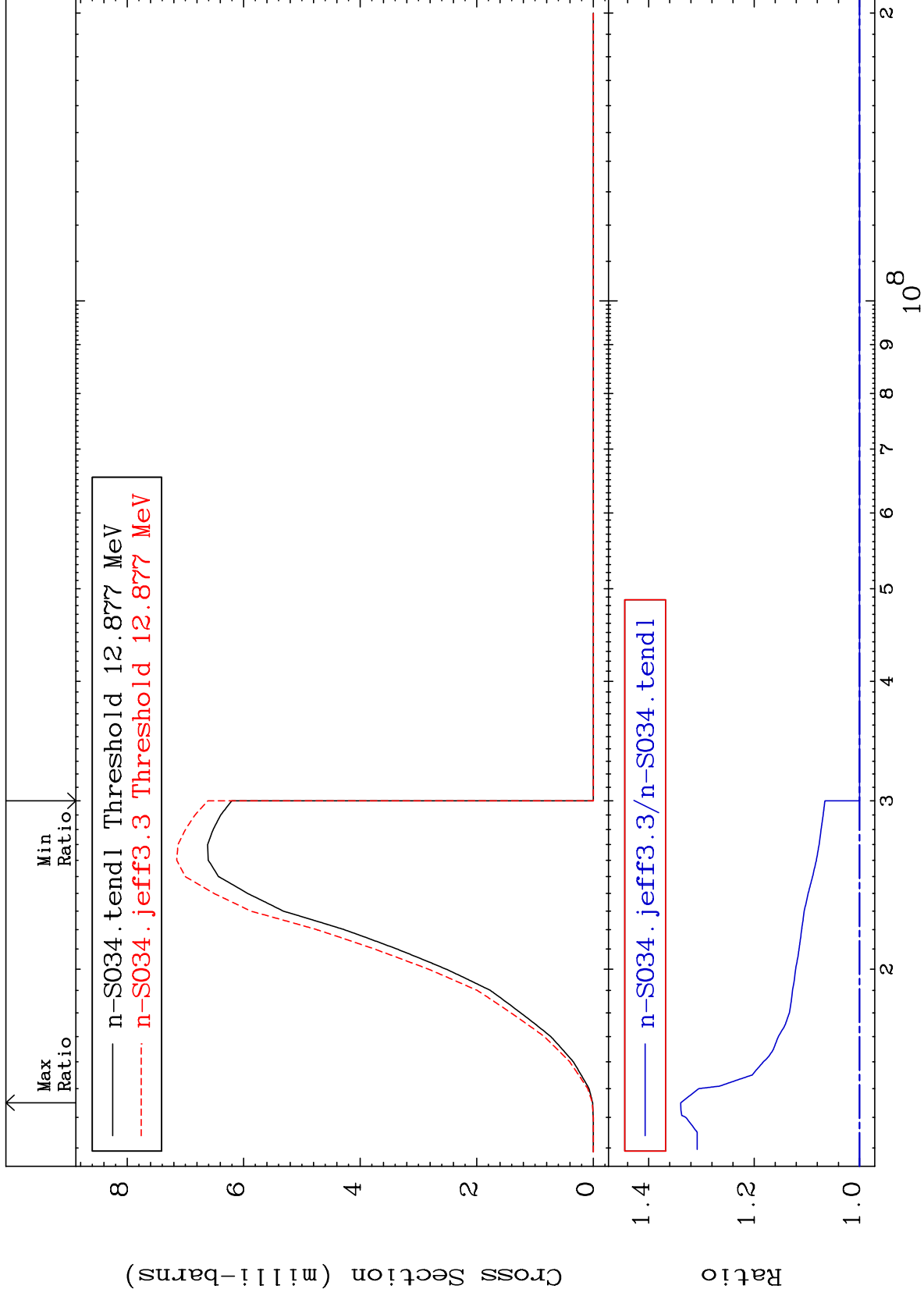
Incident Energy (eV)

16-S -34

MAT 1631

(n, t)
Cross Section

16-S -34
0.000 To 33.92 %



MAT 1631

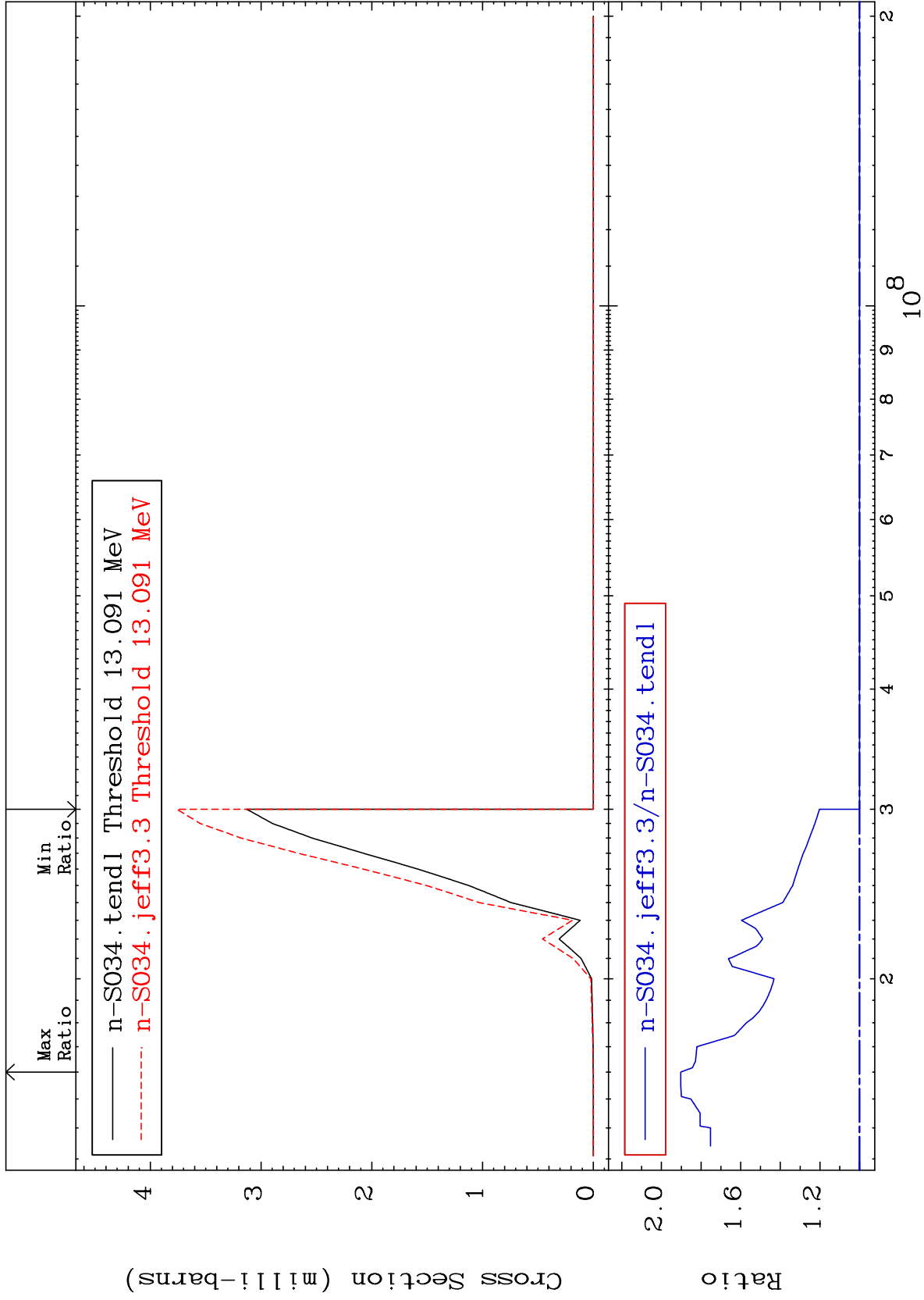
(n,He-3)

16-S -34

Cross Section

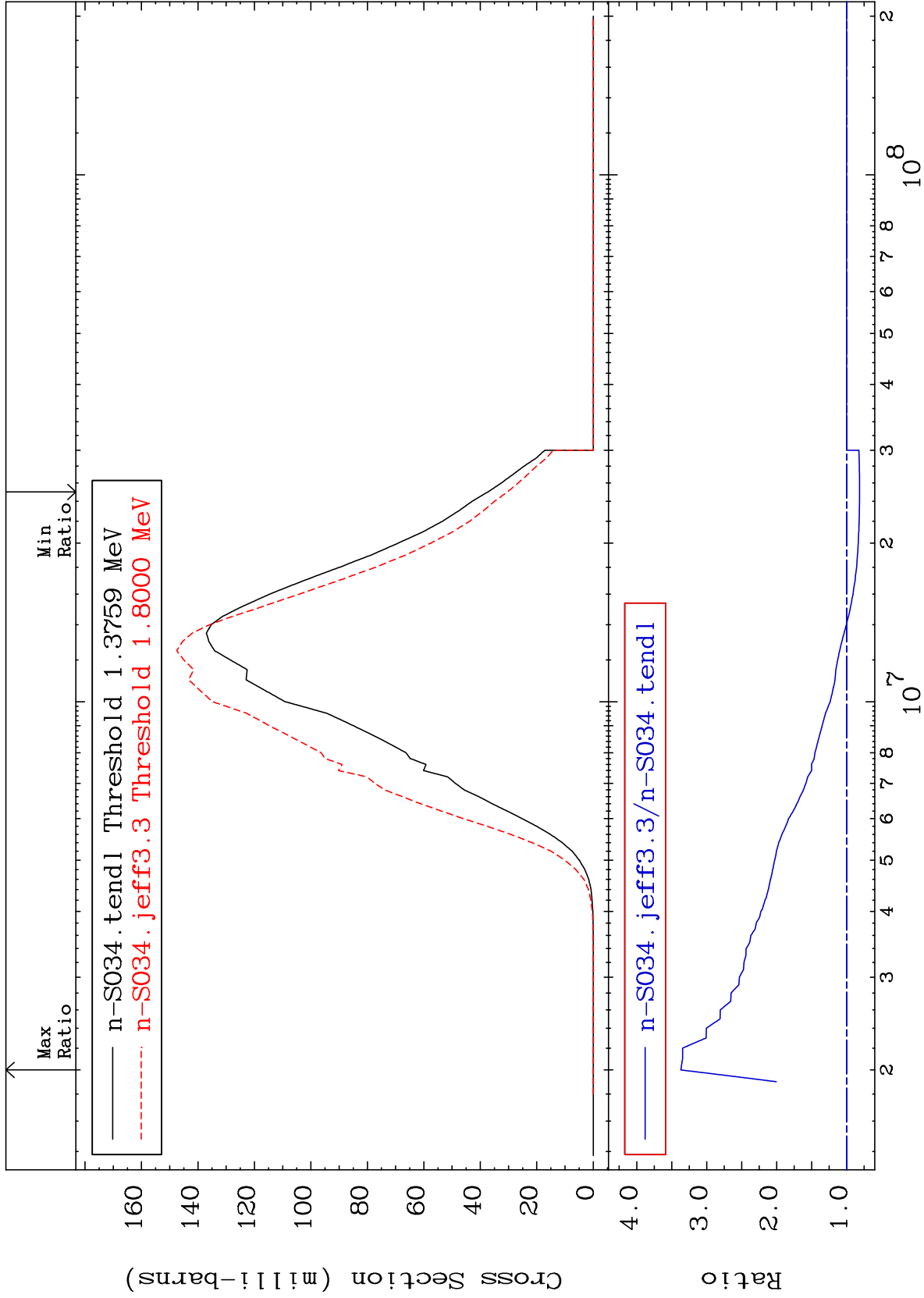
0.000

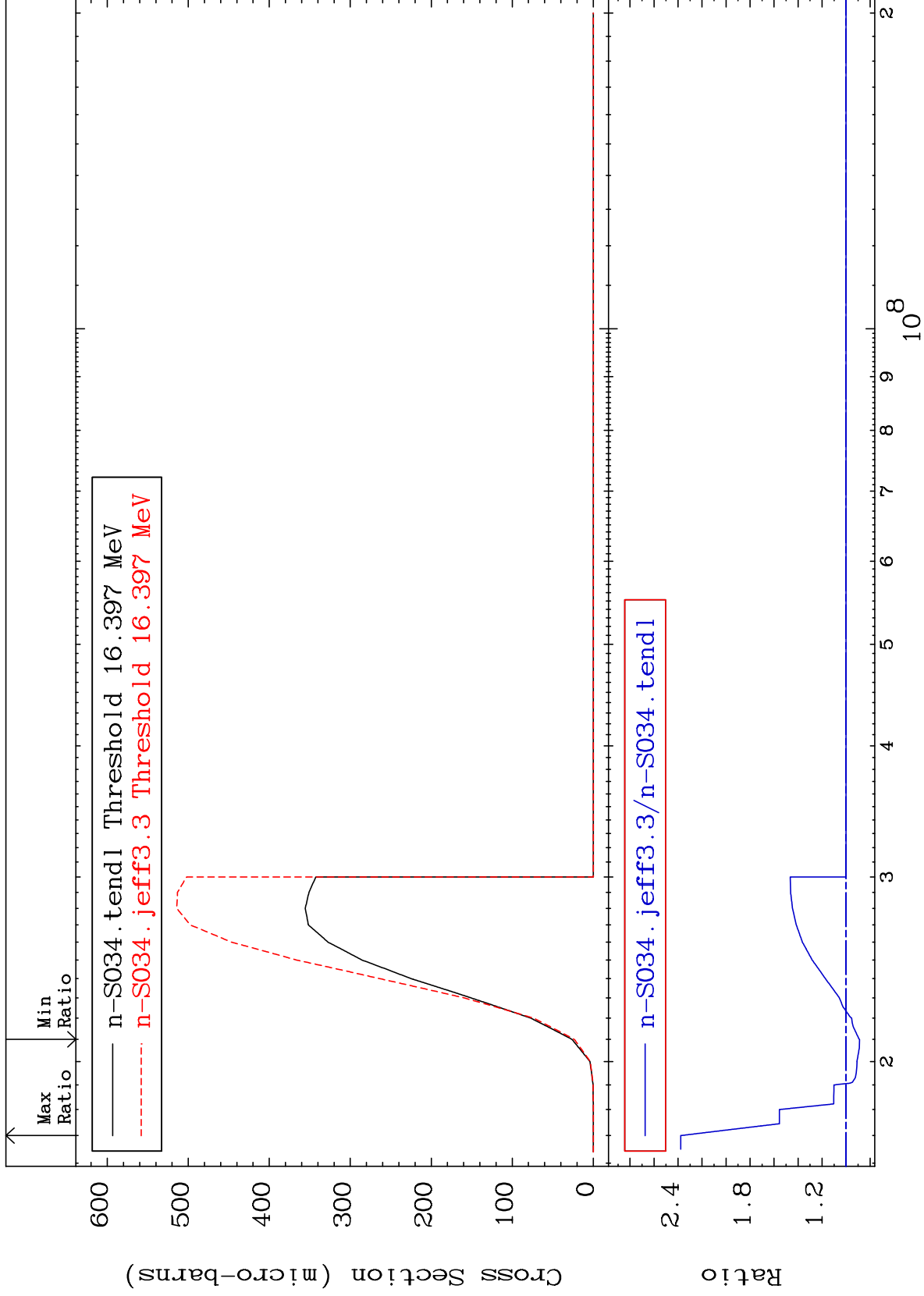
To 90.24 %



Cross Section

-18.47 To 237.0 %

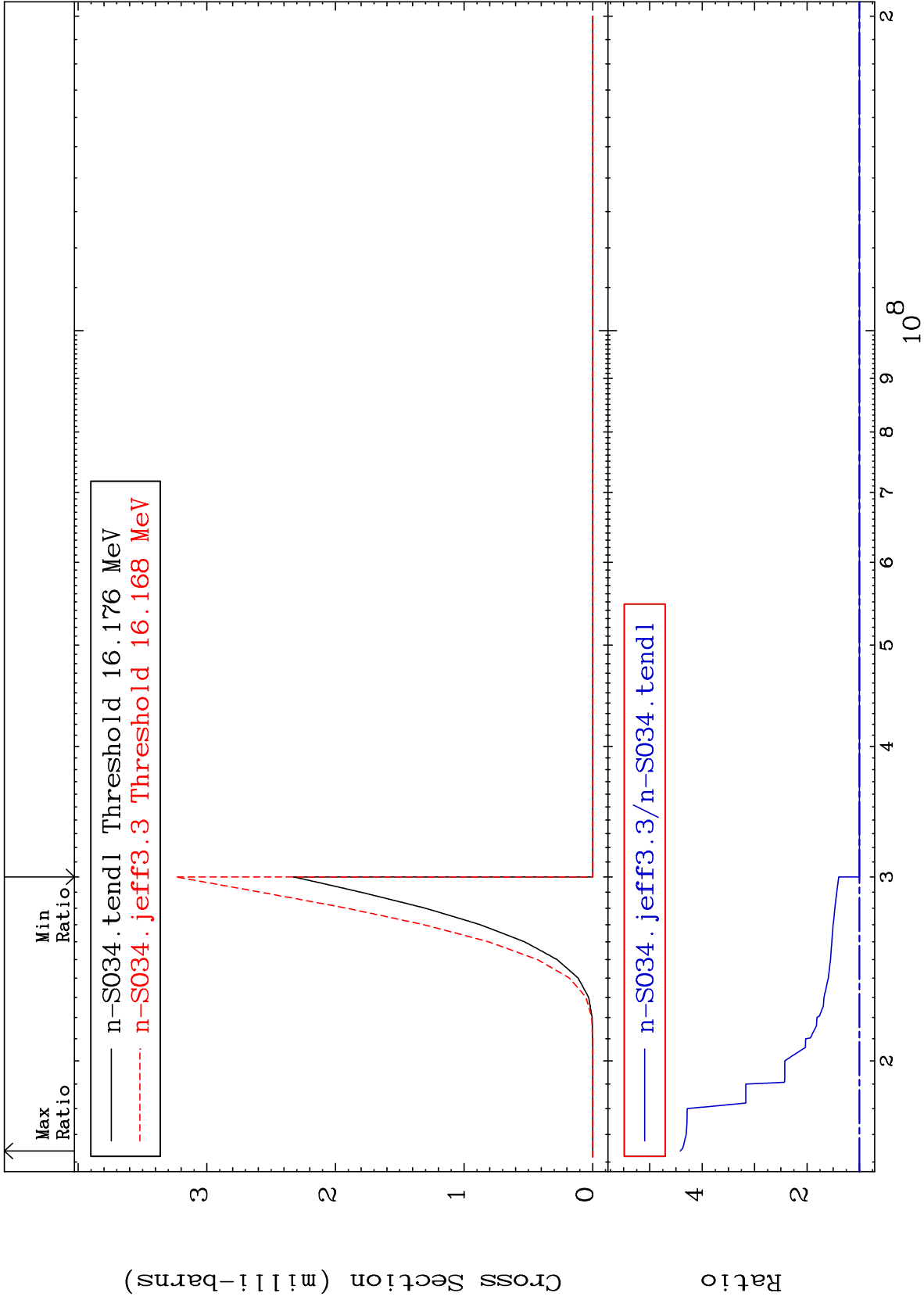




MAT 1631

(n,p) α
Cross Section

16-S -34
To 341.6 %
0.000



57

Incident Energy (eV)

16-S -34

MAT 1631

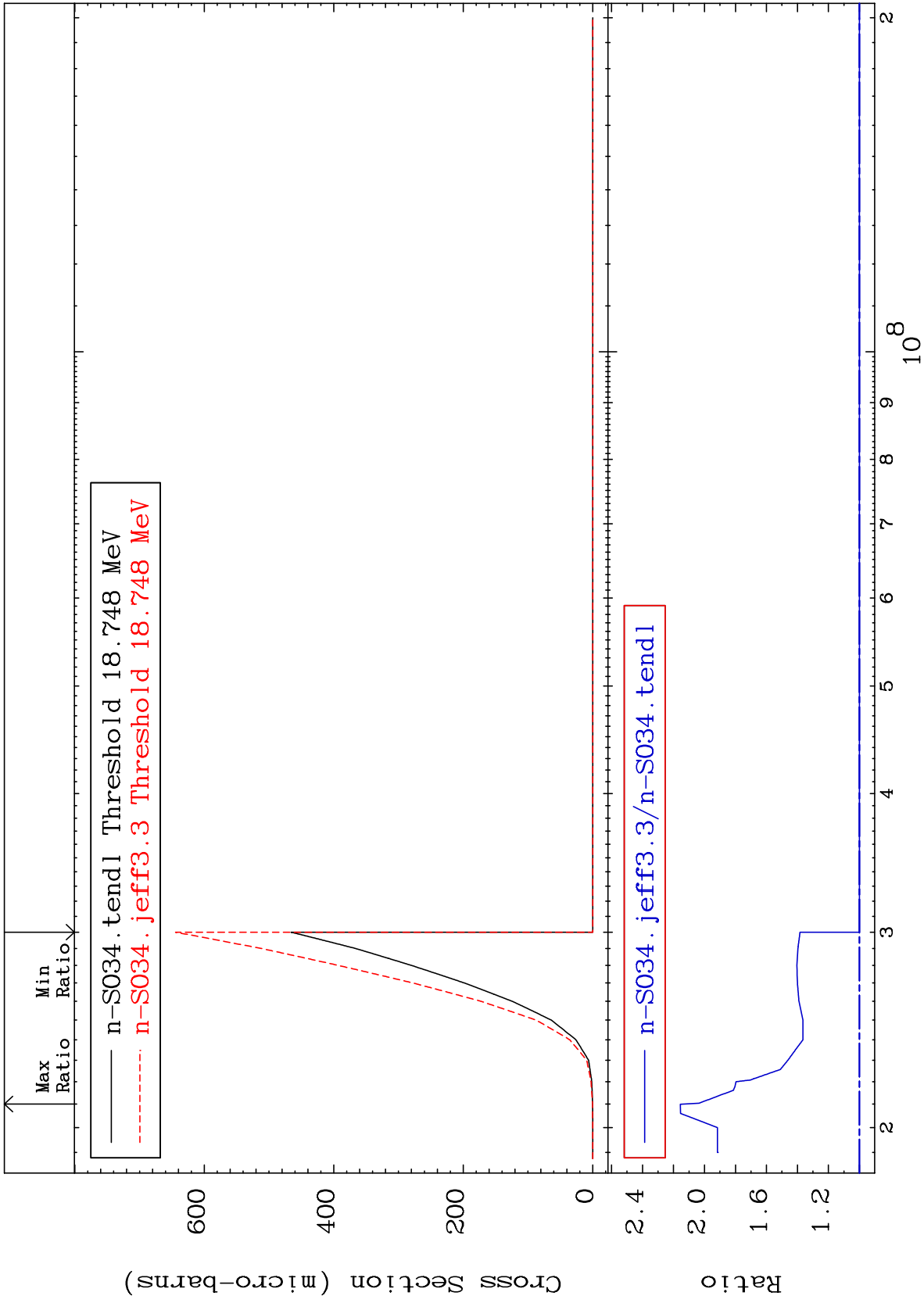
(n,p) d

16-S -34

Cross Section

0.000

To 115.6 %



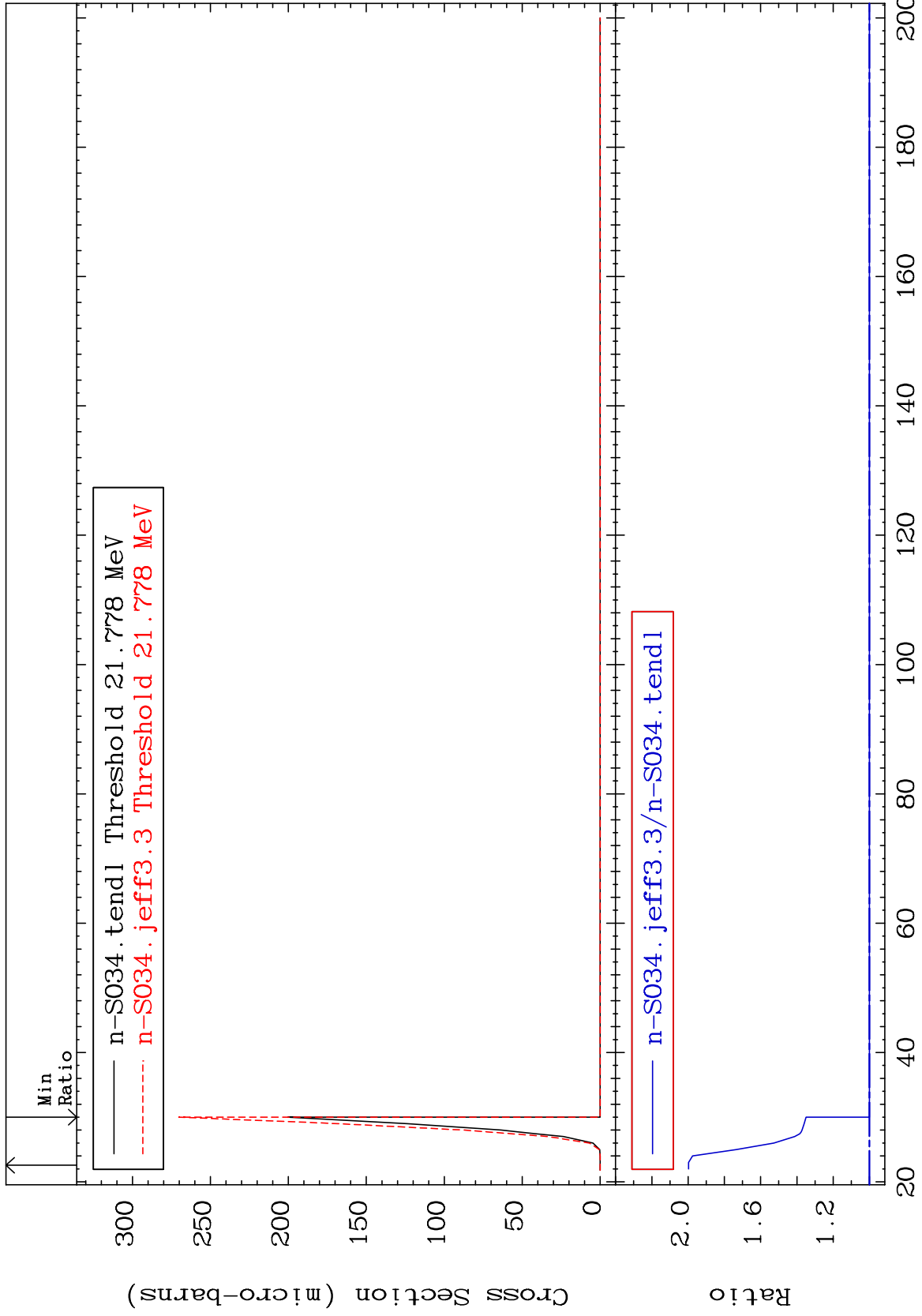
58

16-S -34

MAT 1631

(n,p) t
Cross Section

16-S -34
0.000 To 99.72 %



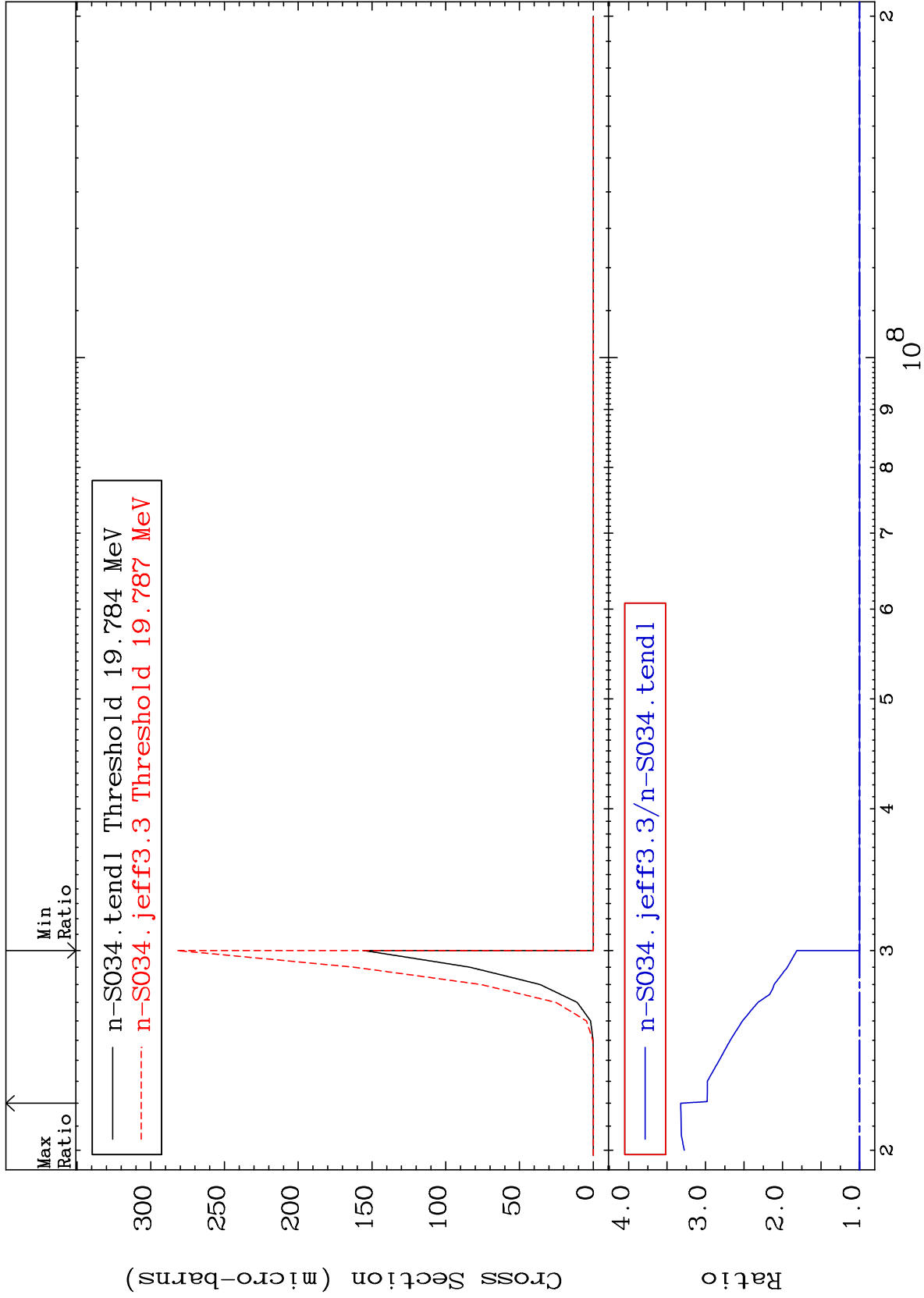
59

16-S -34

MAT 1631

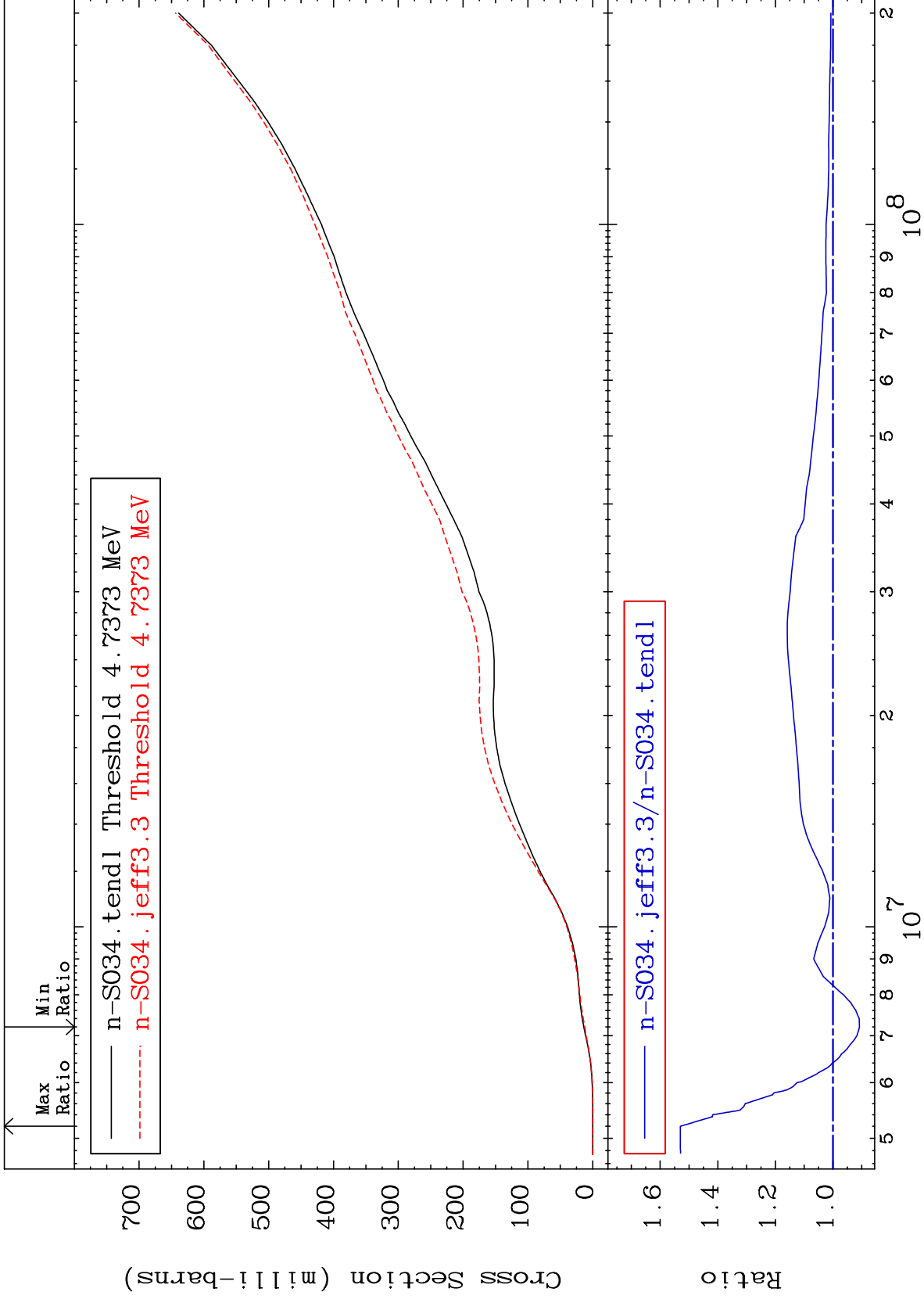
(n,d) α
Cross Section

16-S -34
0.000 To 232.2 %



60

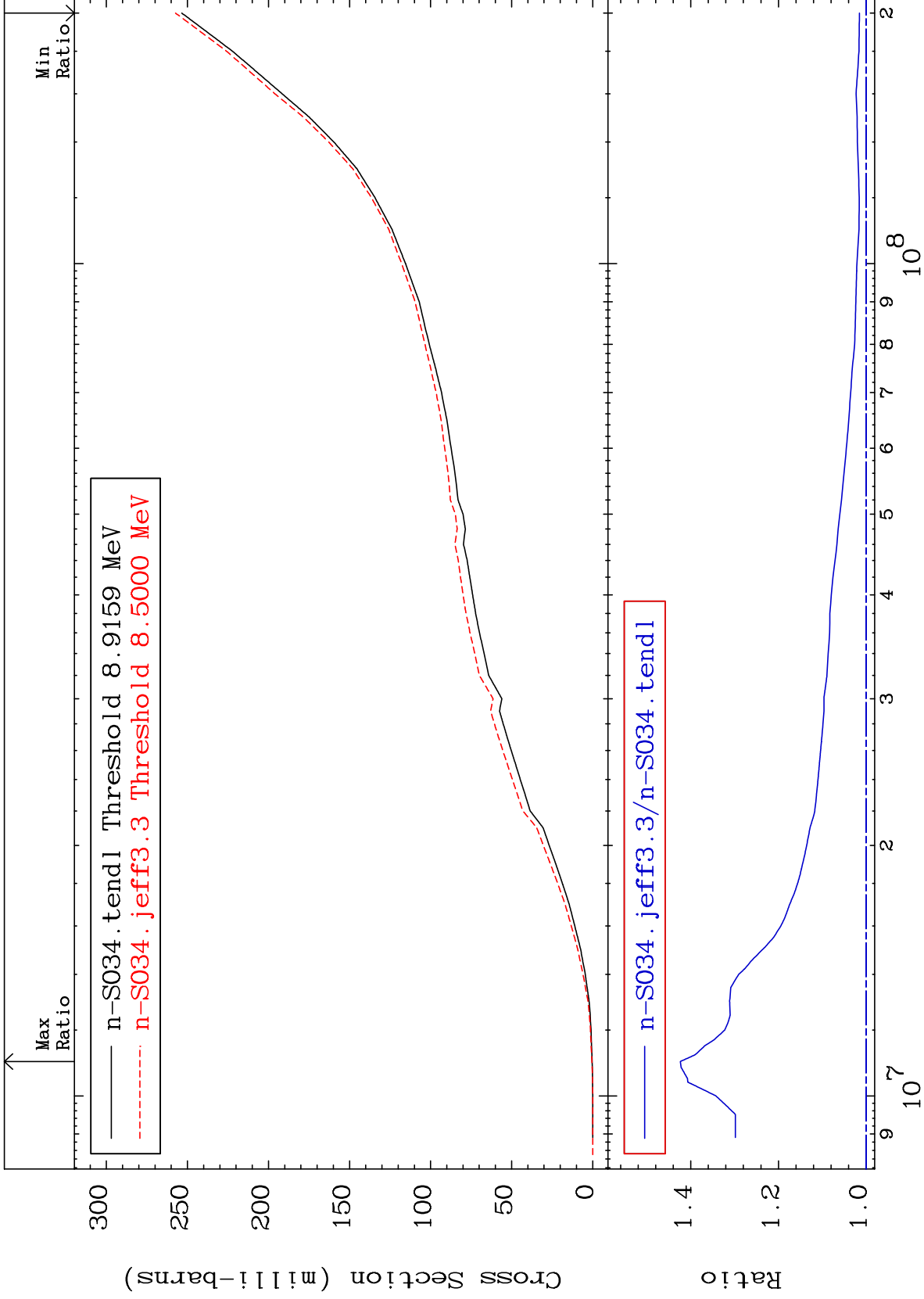
16-S -34



MAT 1631

Deuterium Production
Cross Section

16-S -34
1.526 To 42.38 %



62

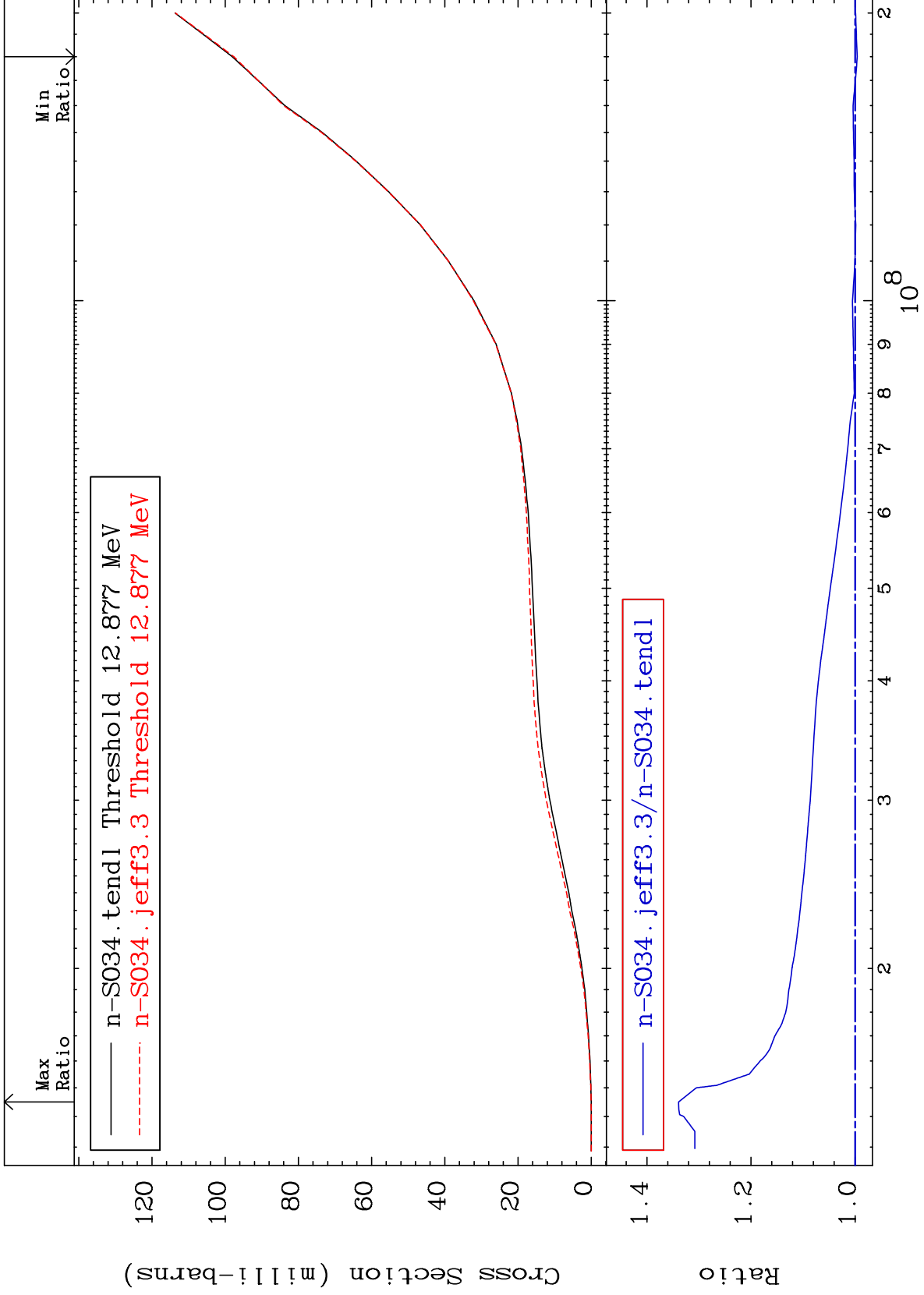
Incident Energy (eV)

16-S -34

MAT 1631

Tritium Production
Cross Section

16-S -34
-0.420 To 33.92 %



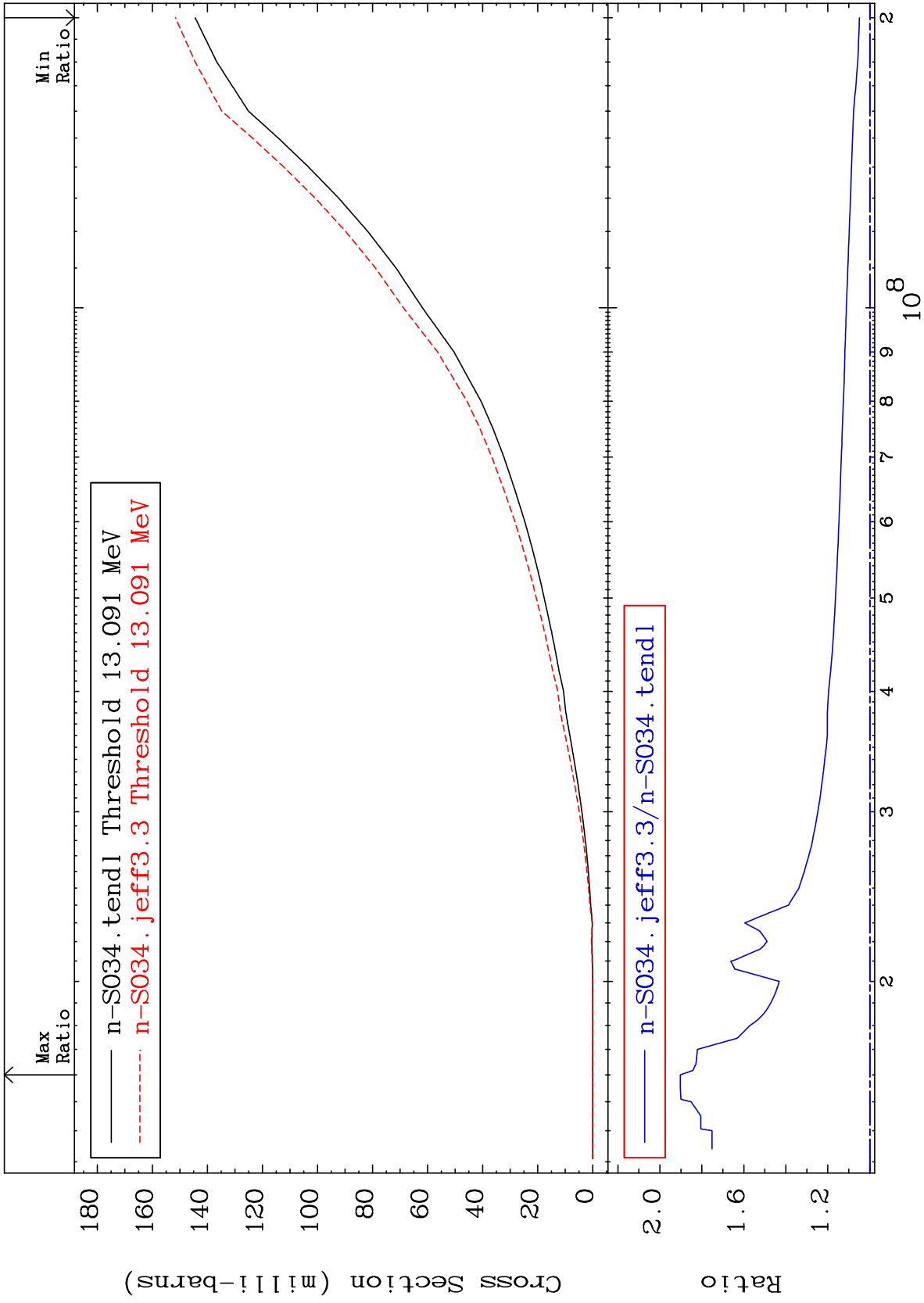
63

16-S -34

MAT 1631

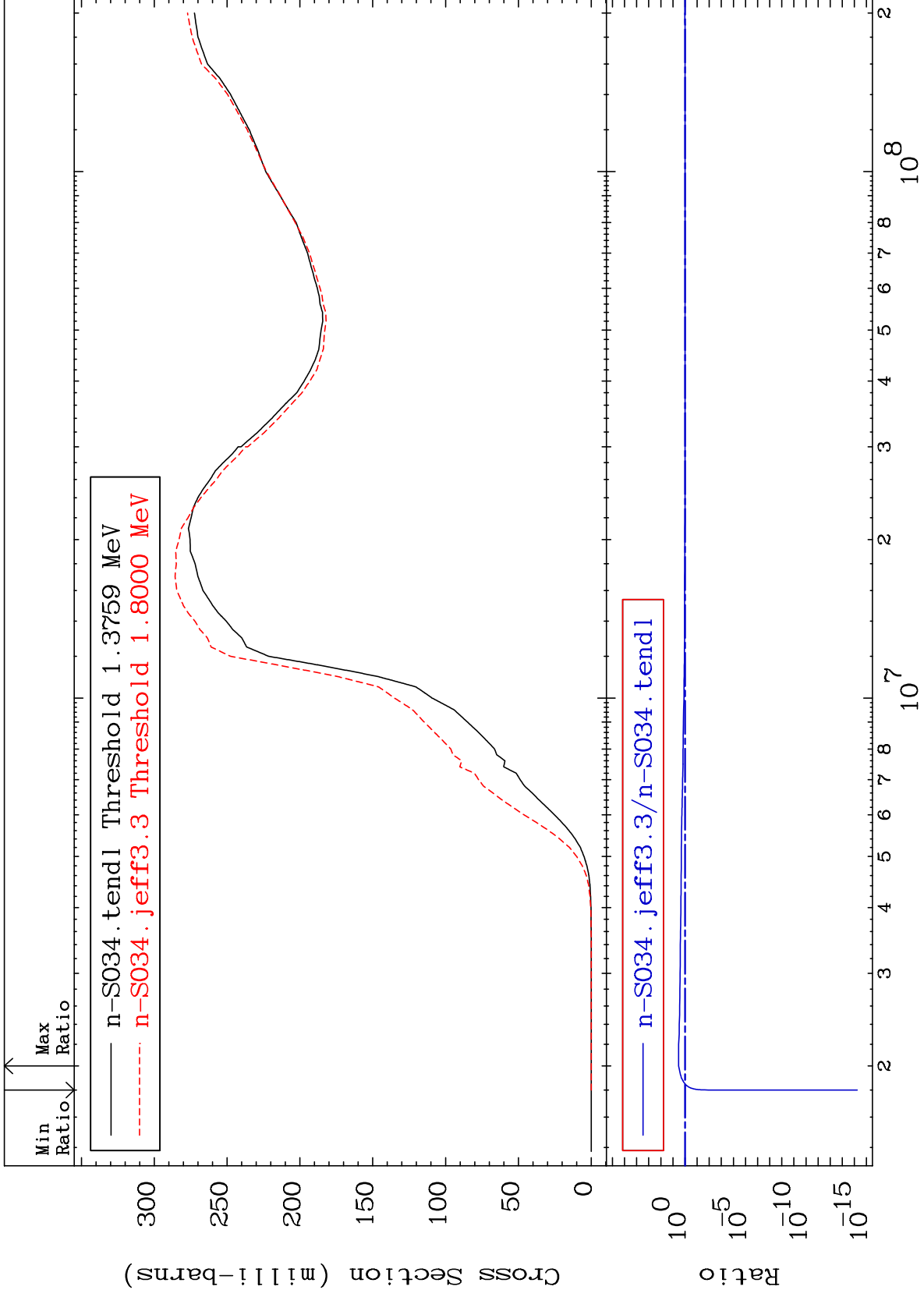
He-3 Production
Cross Section

16-S -34
4.950 To 90.24 %



64

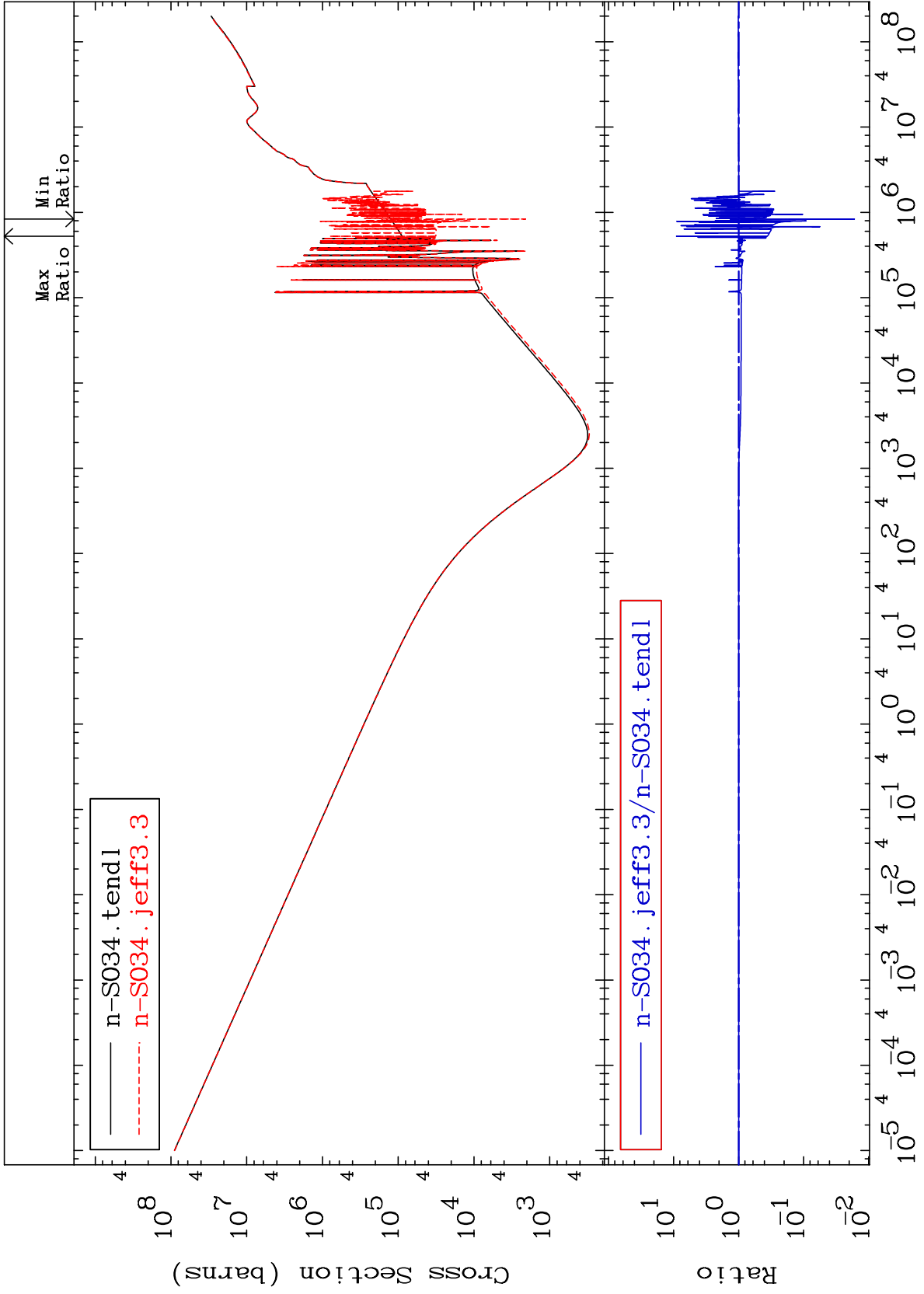
16-S -34



MAT 1631

Kerma total (eV-barns)
Cross Section

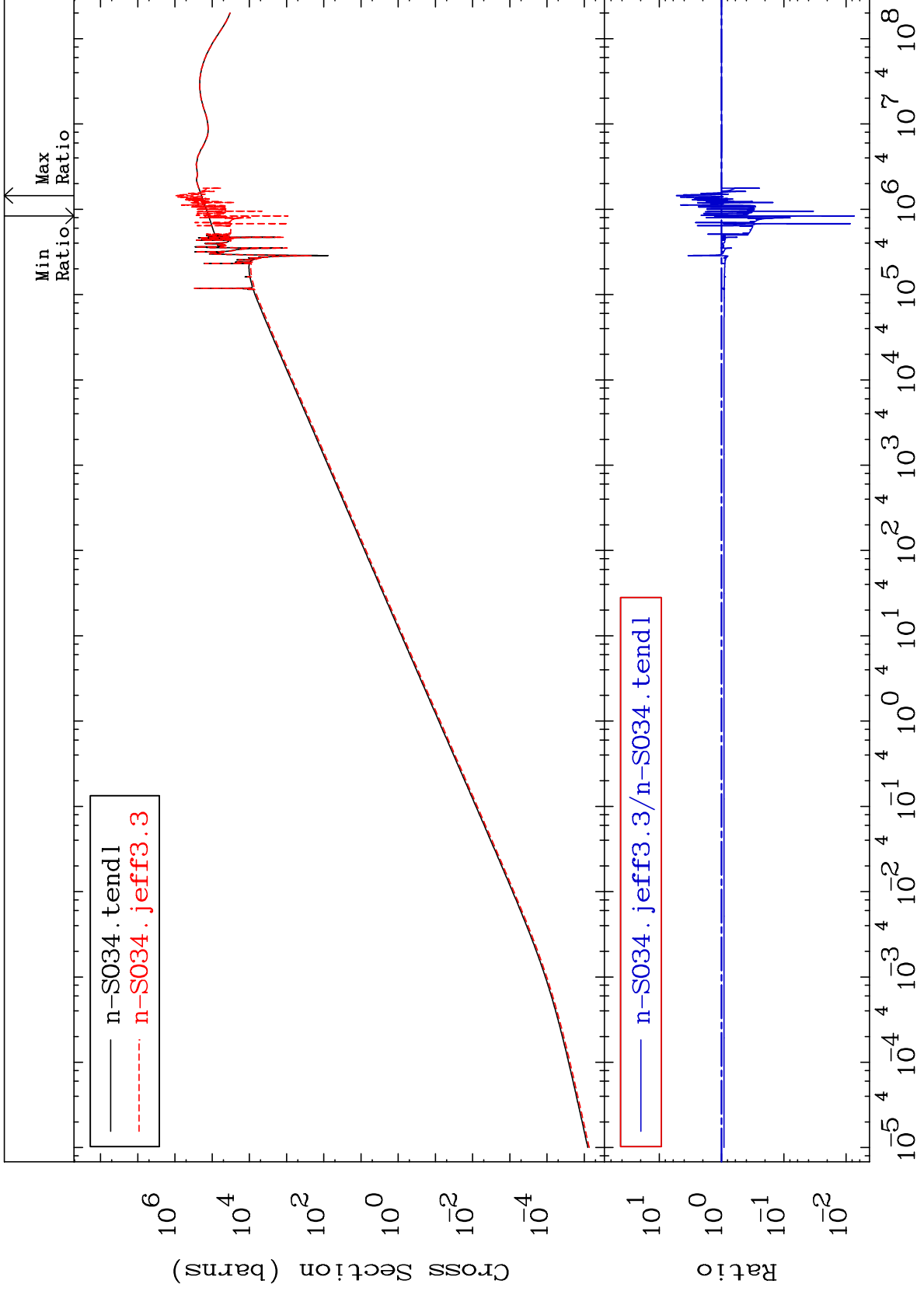
16-S -34
-98.34 To 806.2 %



MAT 1631

Kerma elastic
Cross Section

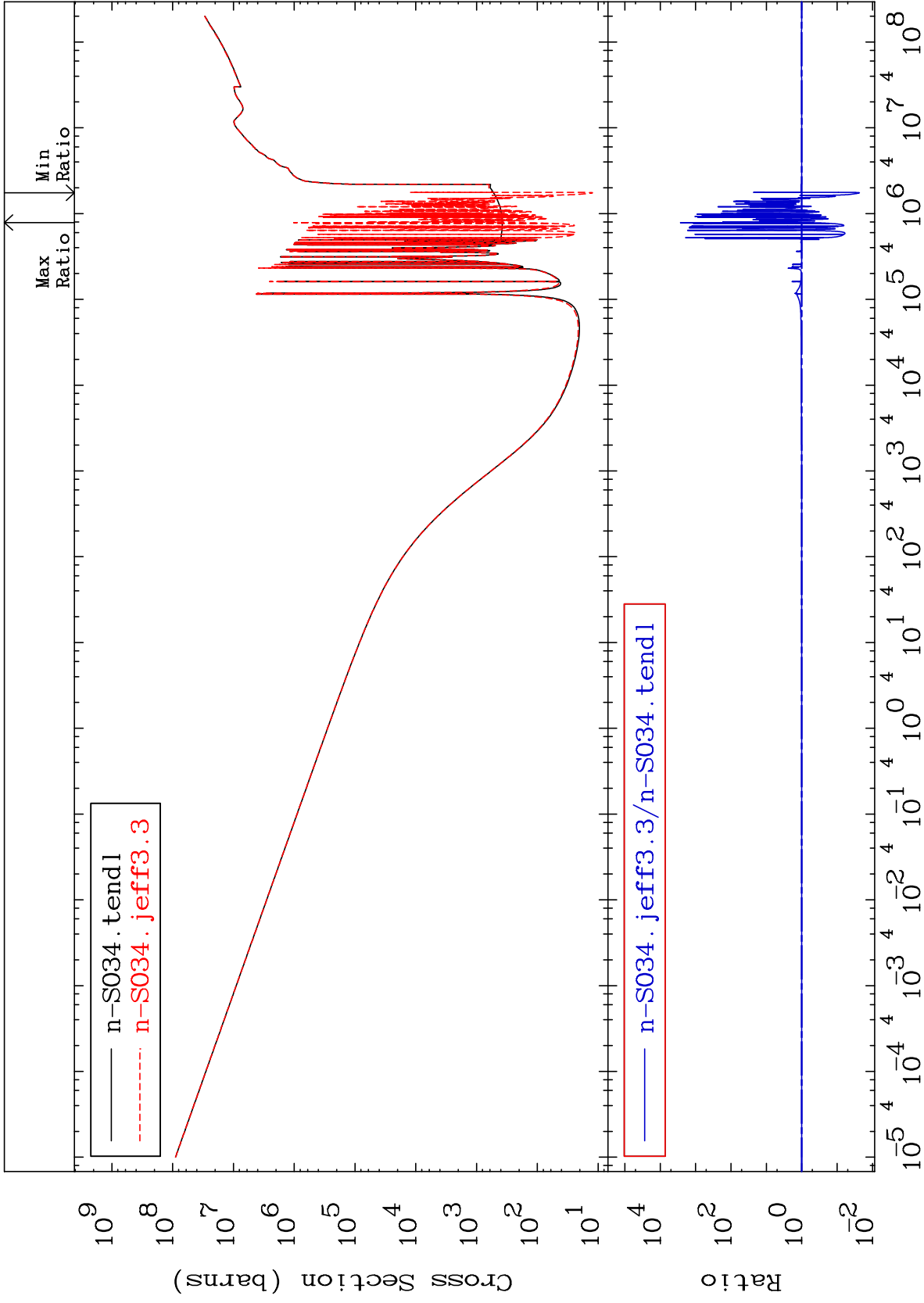
16-S -34
-99.27 To 433.2 %

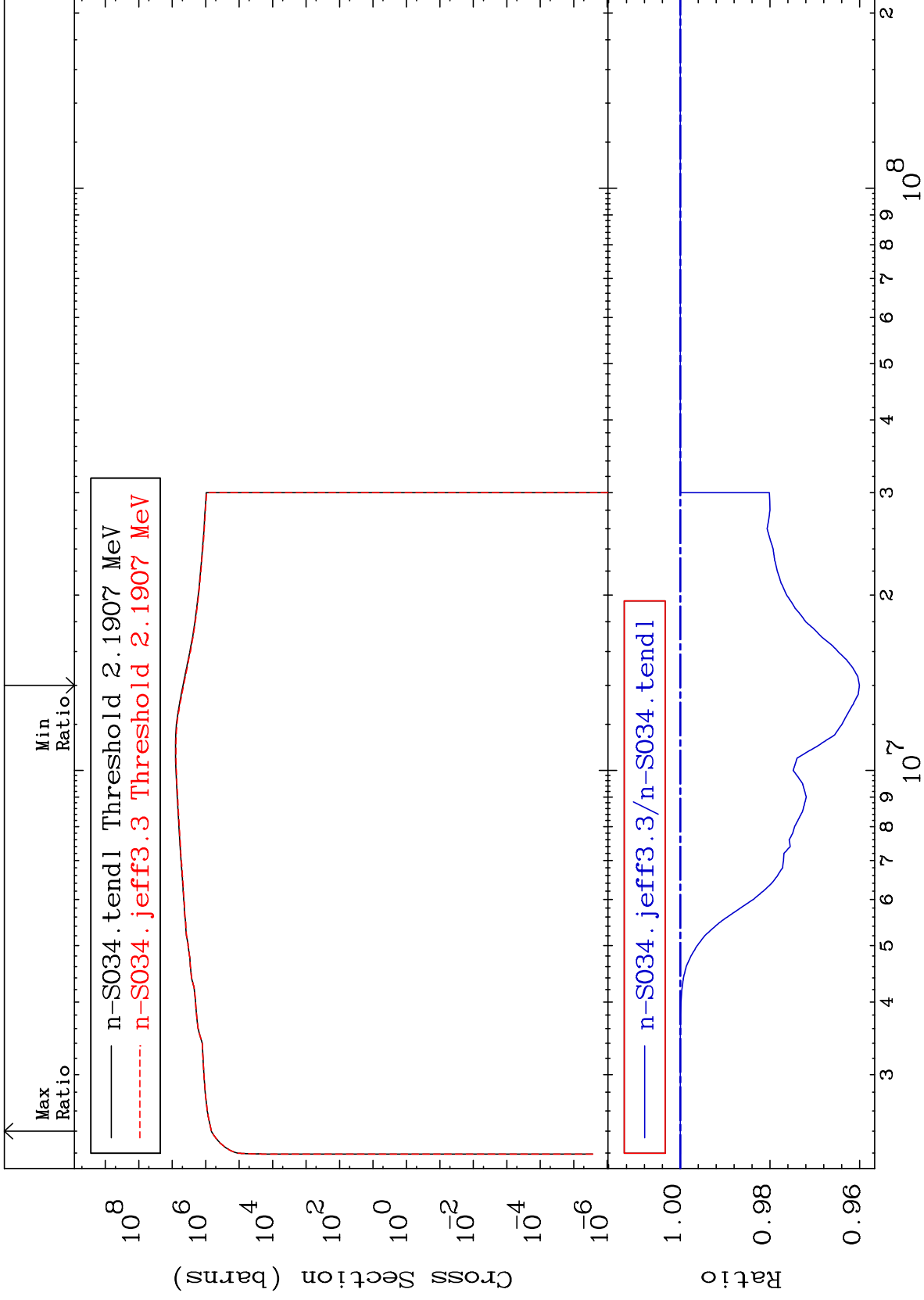


67

Incident Energy (eV)

16-S -34

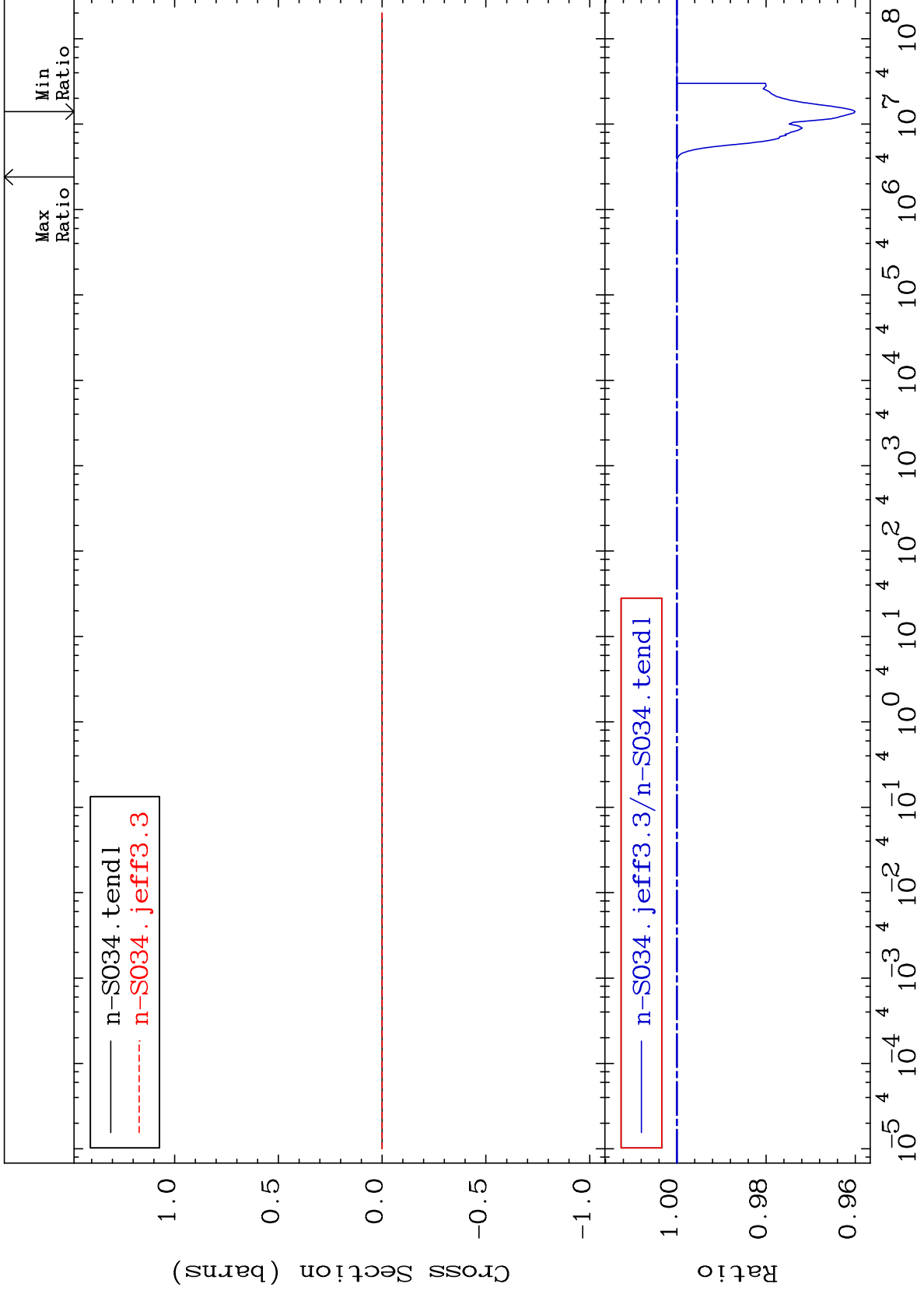




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Kerma fission (mt18 or mt19-20-21-38)
Cross Section

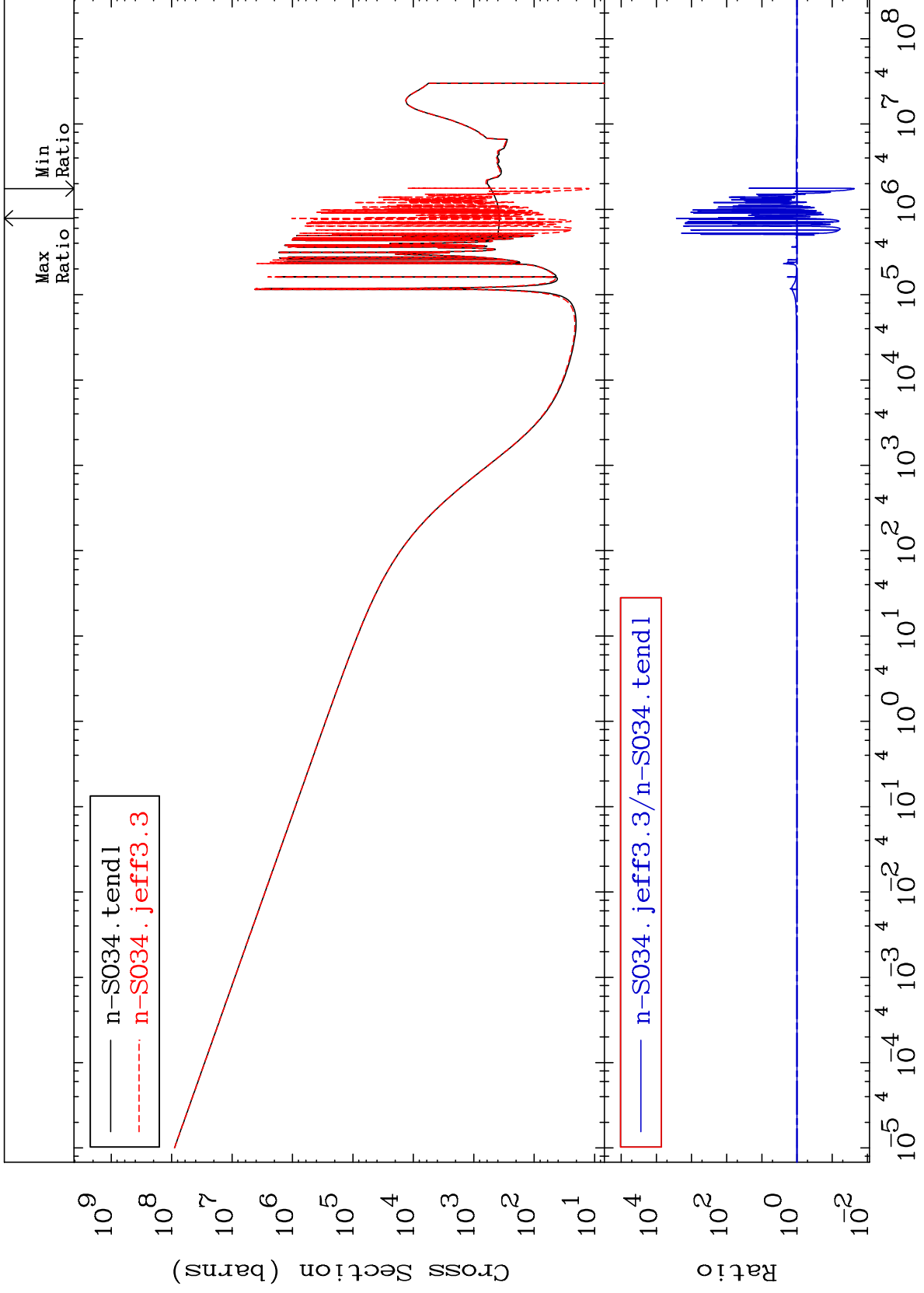
16-S -34
-3.995 To 0.000 %

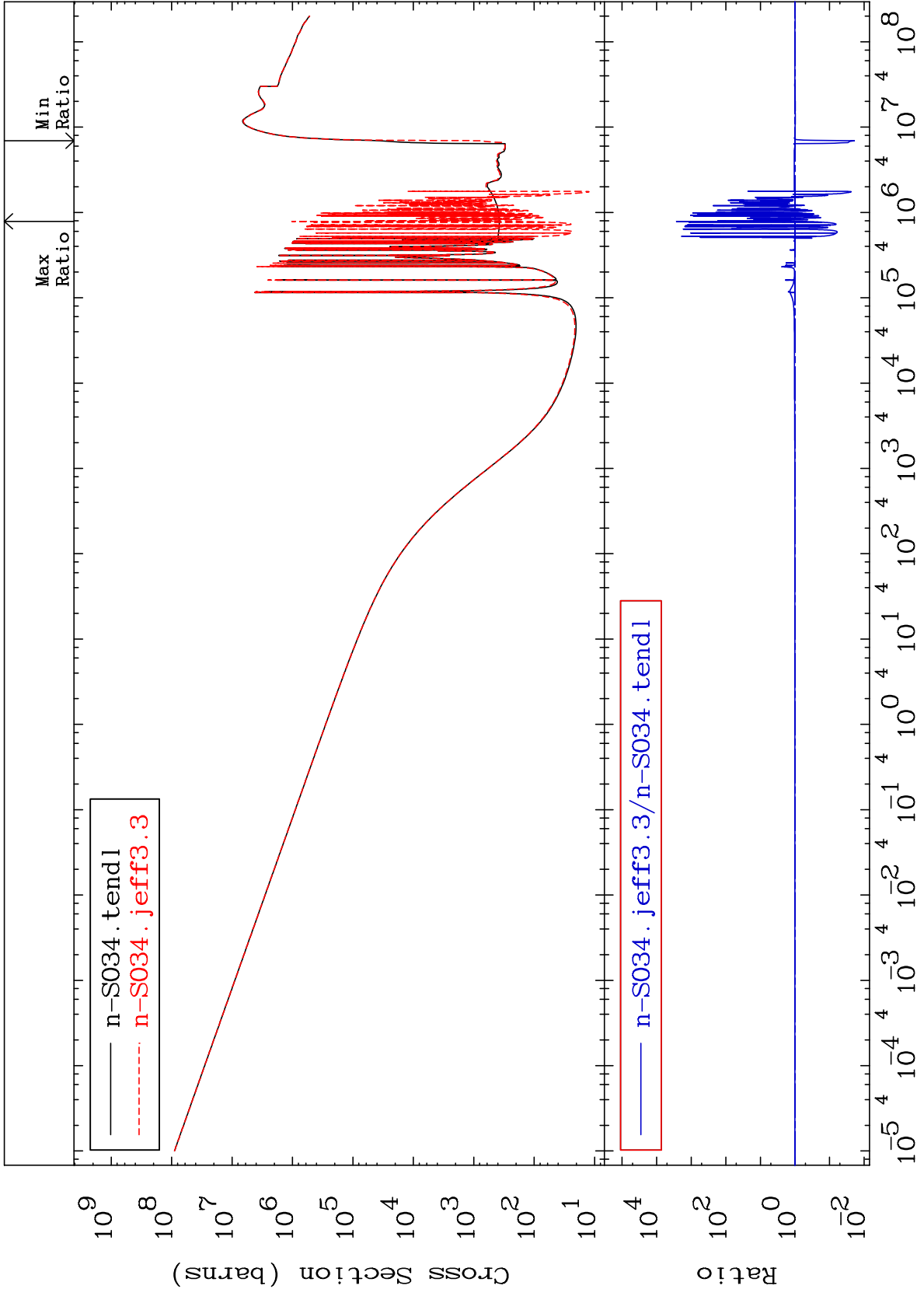


70

Incident Energy (eV)

16-S -34

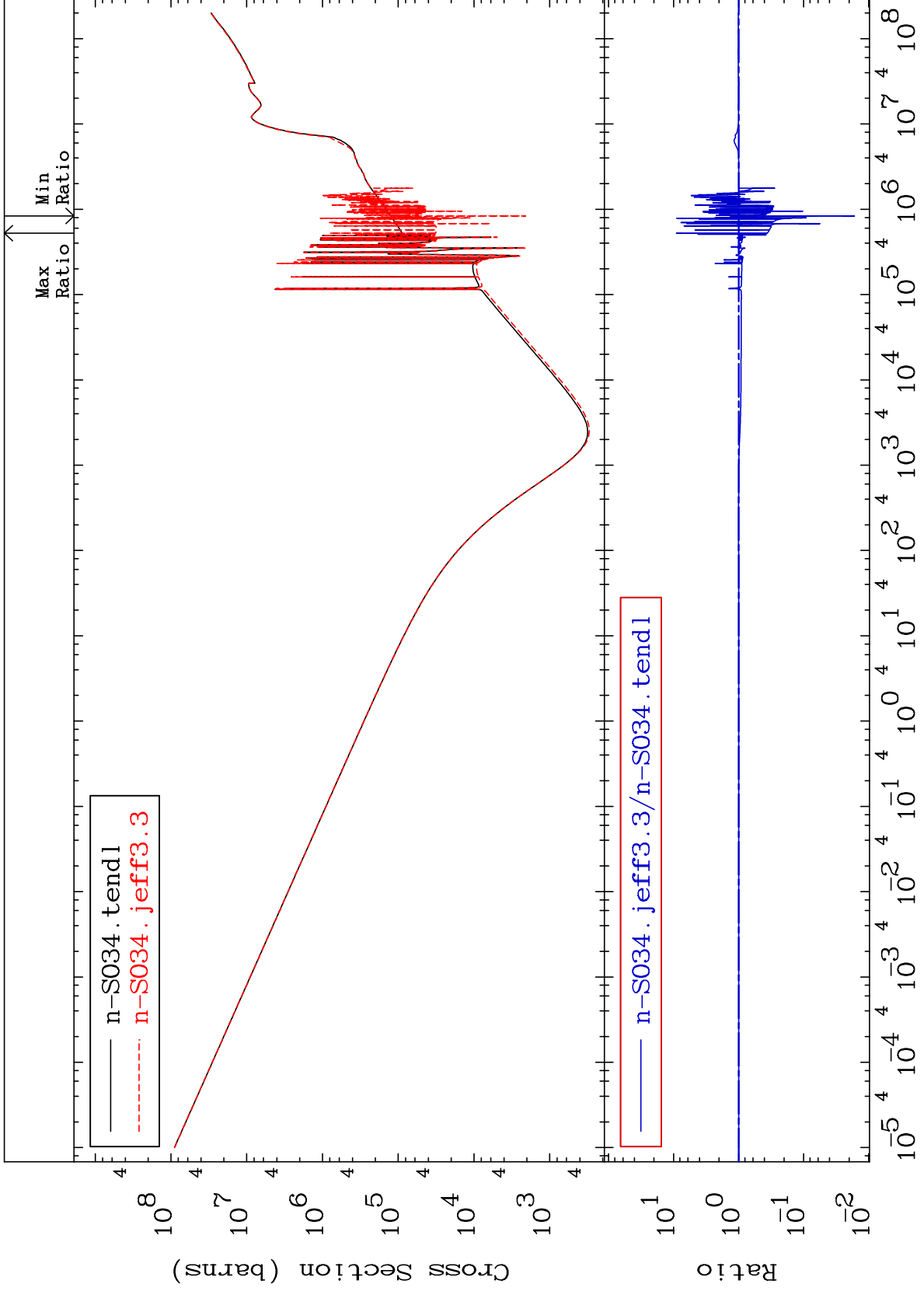




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Total kinematic kerma (high limit)
Cross Section

16-S -34
-98.34 To 806.2 %



73

Incident Energy (eV)

16-S -34

