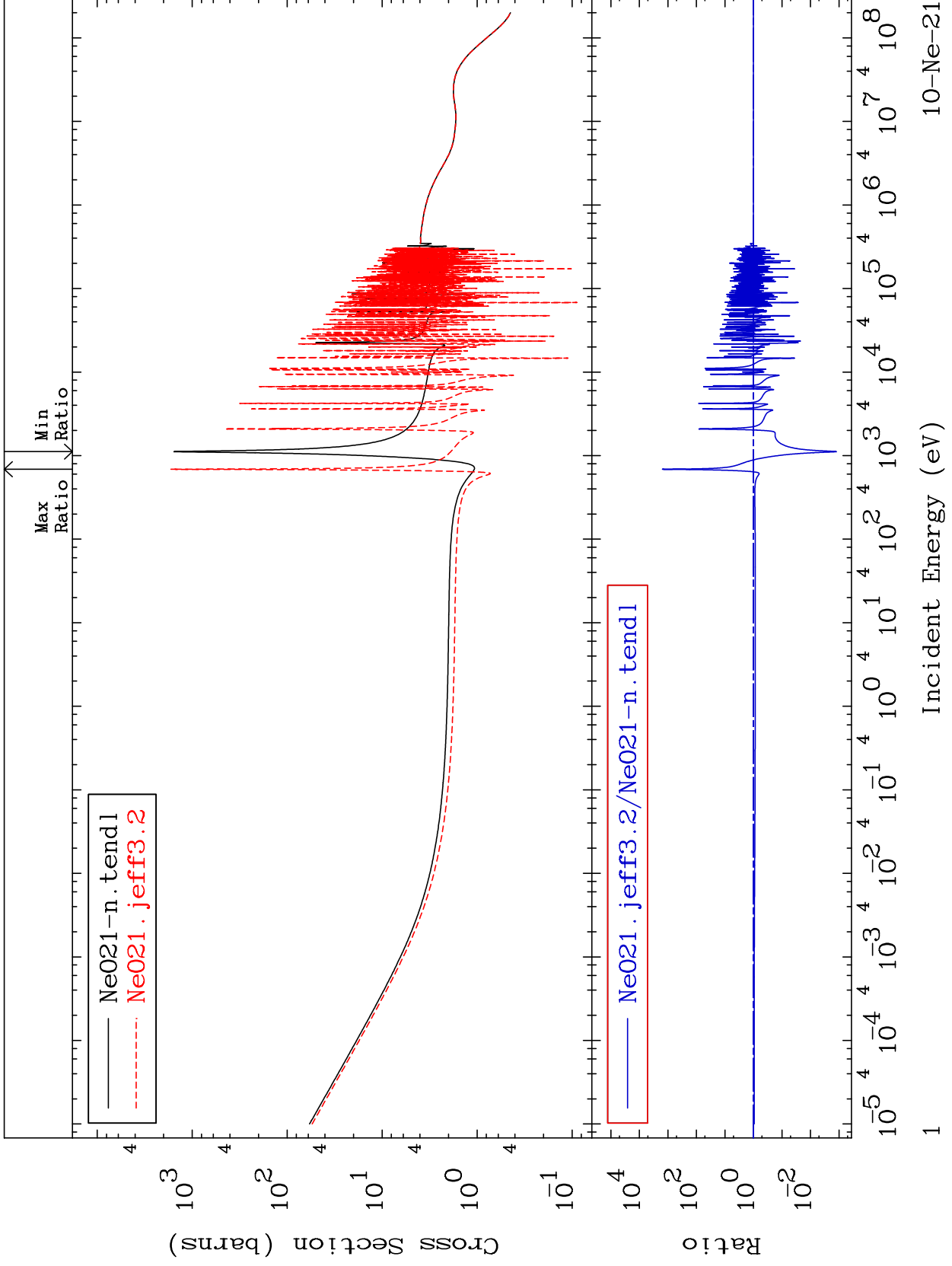


MAT 1028

Total
Cross Section

10-Ne-21
-99.88 To 9999. %

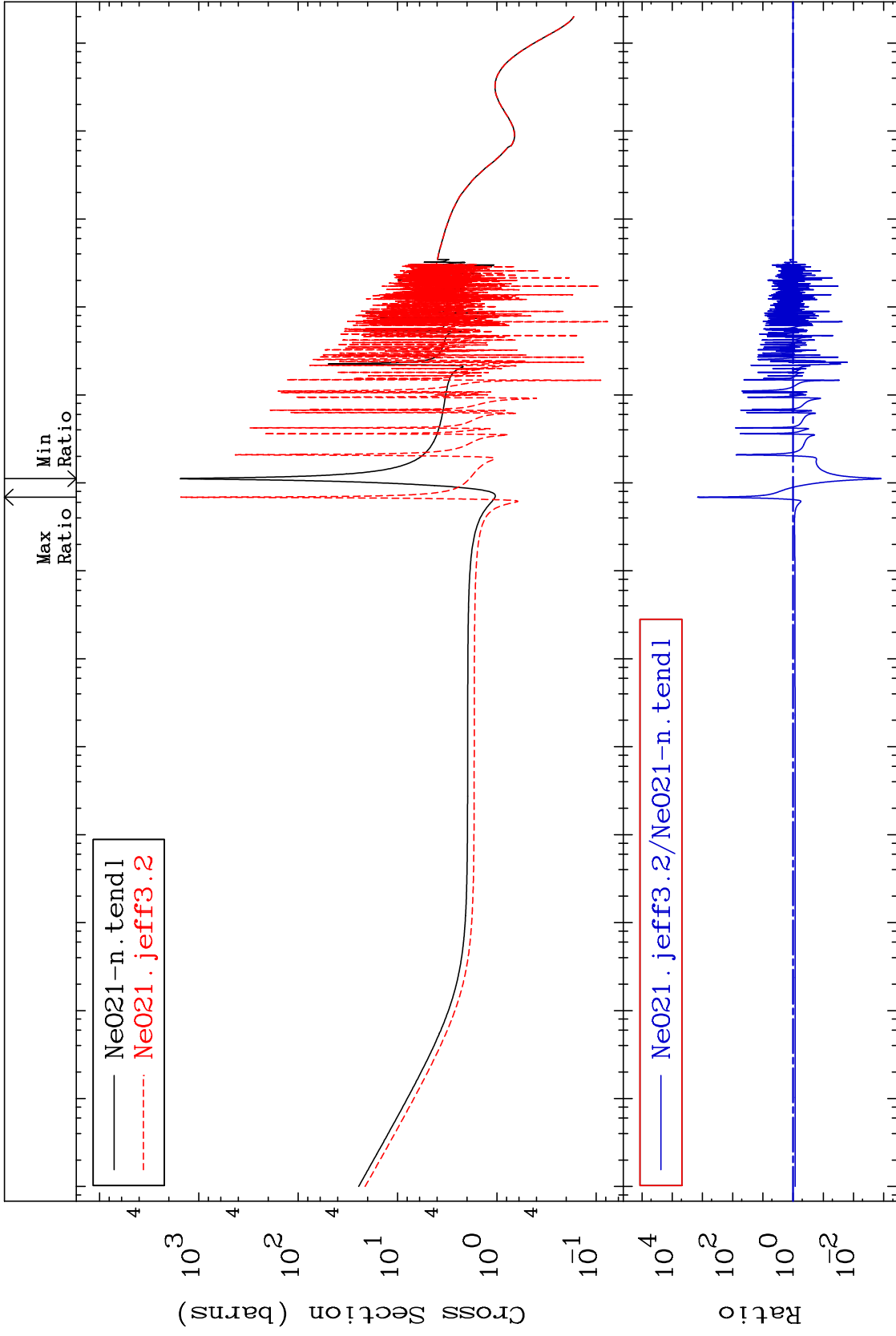


10-Ne-21

MAT 1028

Elastic
Cross Section

10-Ne-21
-99.88 To 9999. %



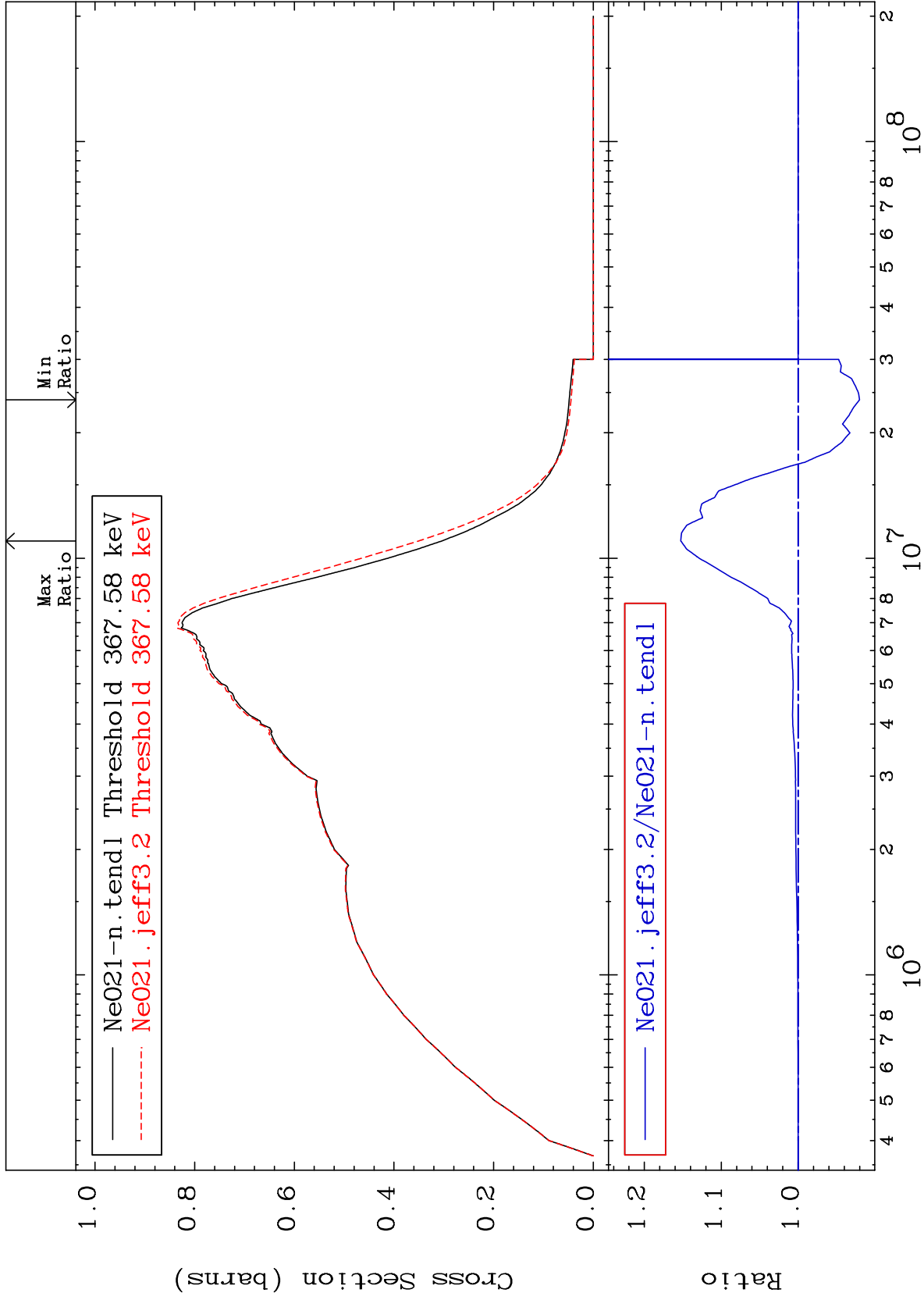
2

Incident Energy (eV)

10-Ne-21

MAT 1028

Inelastic Cross Section
10-Ne-21
-7.986 To 15.27 %



3

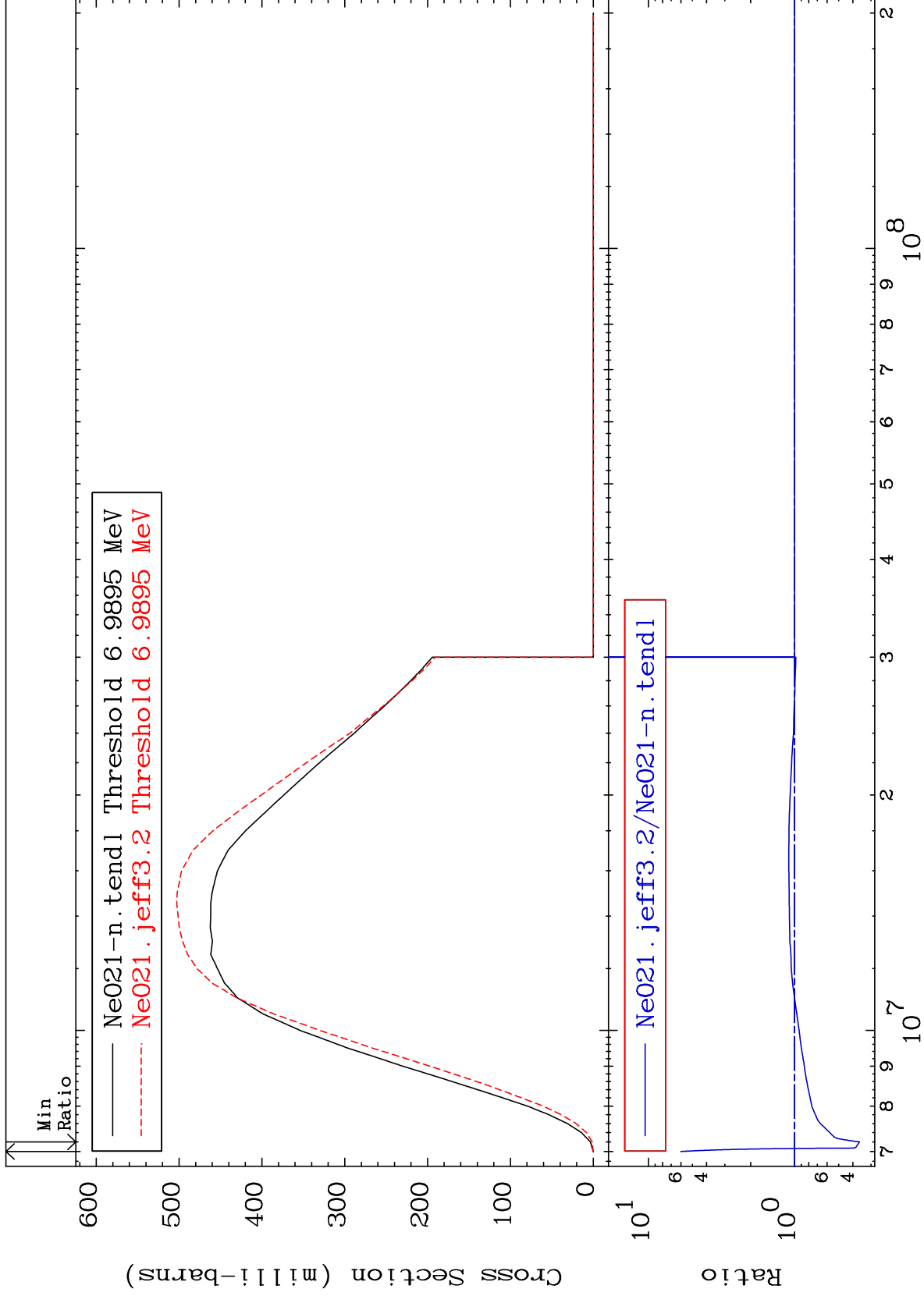
Incident Energy (eV)

10-Ne-21

MAT 1028

(n,2n)
Cross Section

10-Ne-21
-64.03 To 500.8 %



4

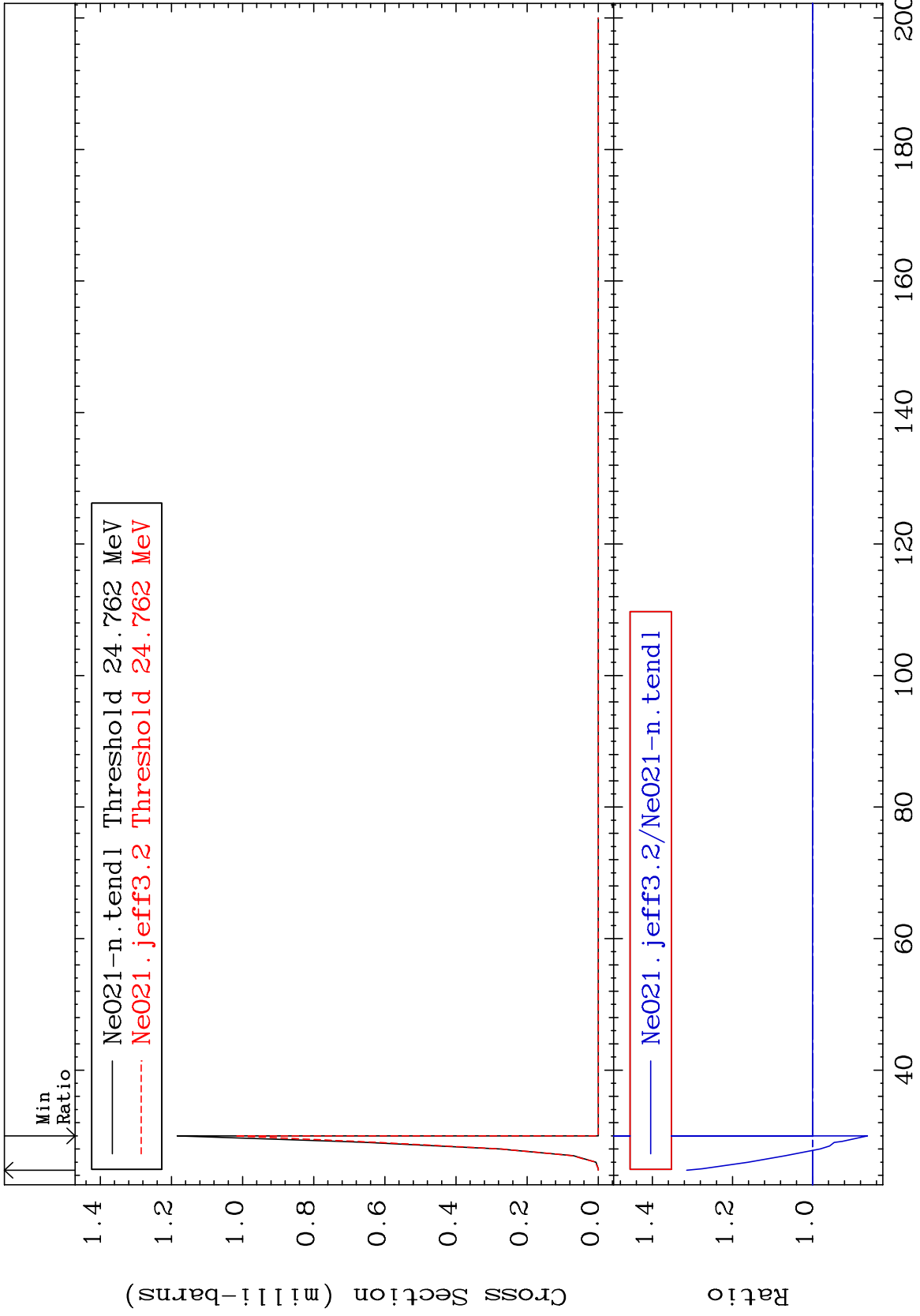
Incident Energy (eV)

10-Ne-21

MAT 1028

(n,3n)
Cross Section

10-Ne-21
-13.72 To 31.43 %

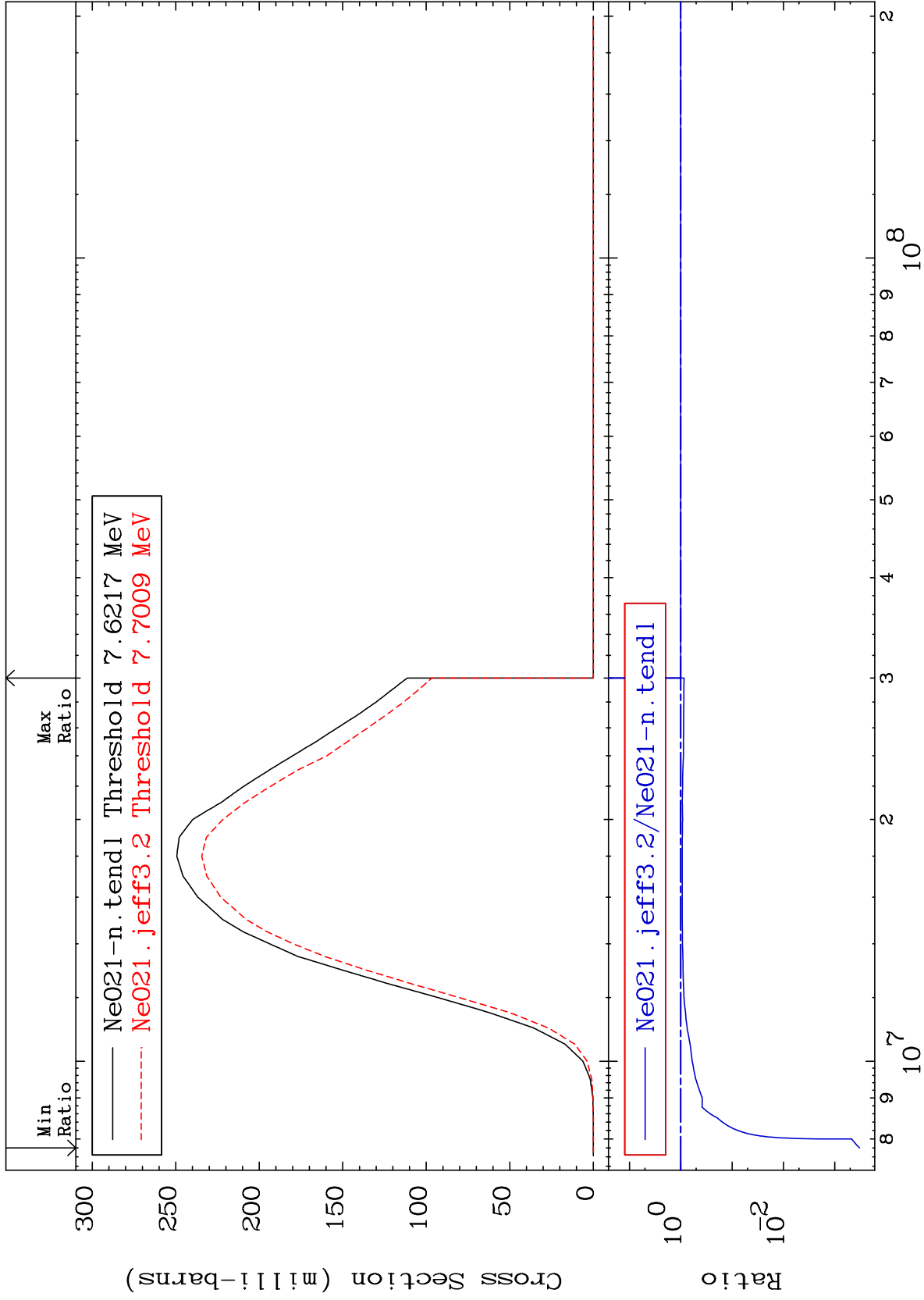


MAT 1028

10-Ne-21

(n, n') α
Cross Section

-99.97 To 0.000 %



10-Ne-21

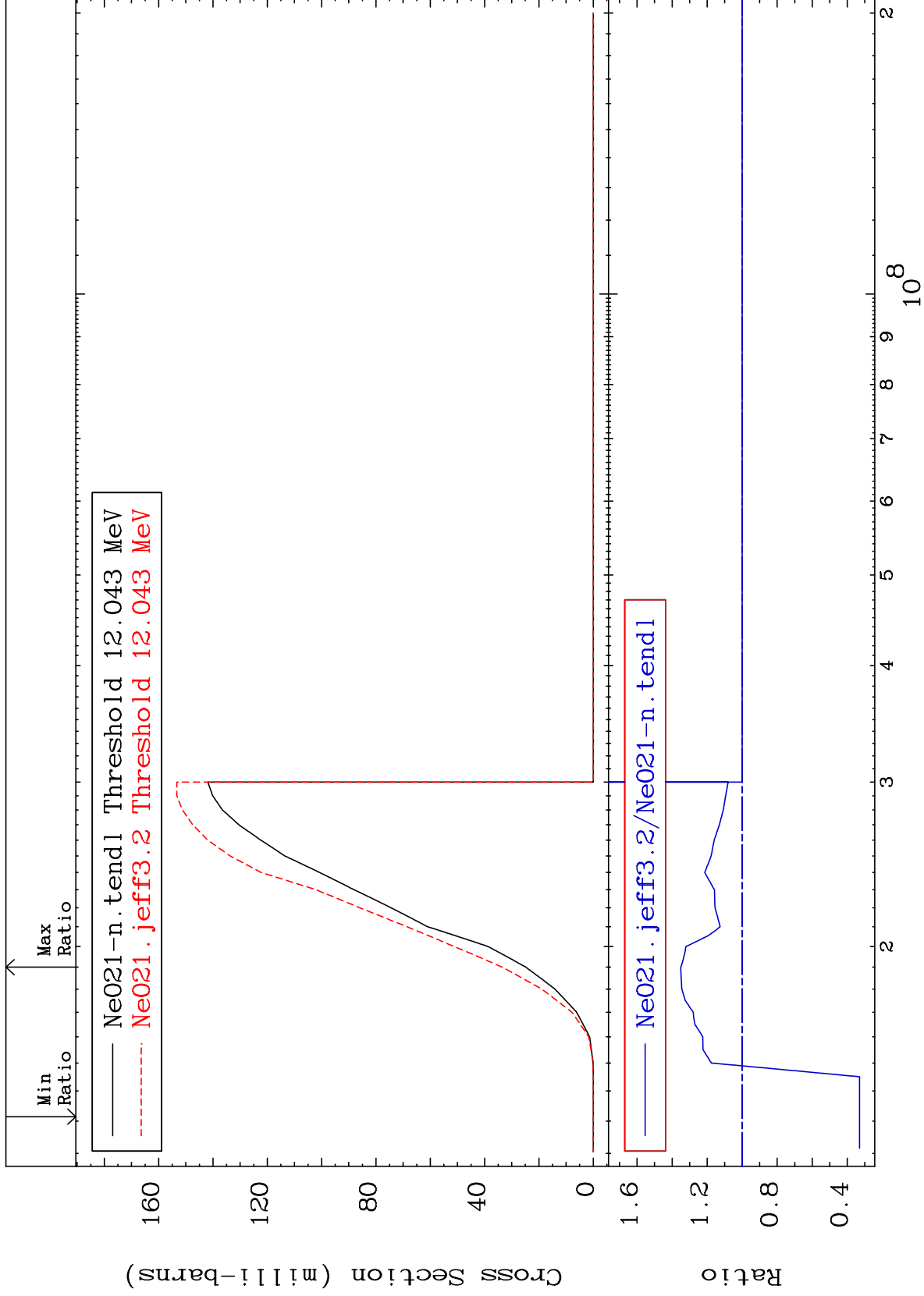
Incident Energy (eV)

6

MAT 1028

(n,2n) α
Cross Section

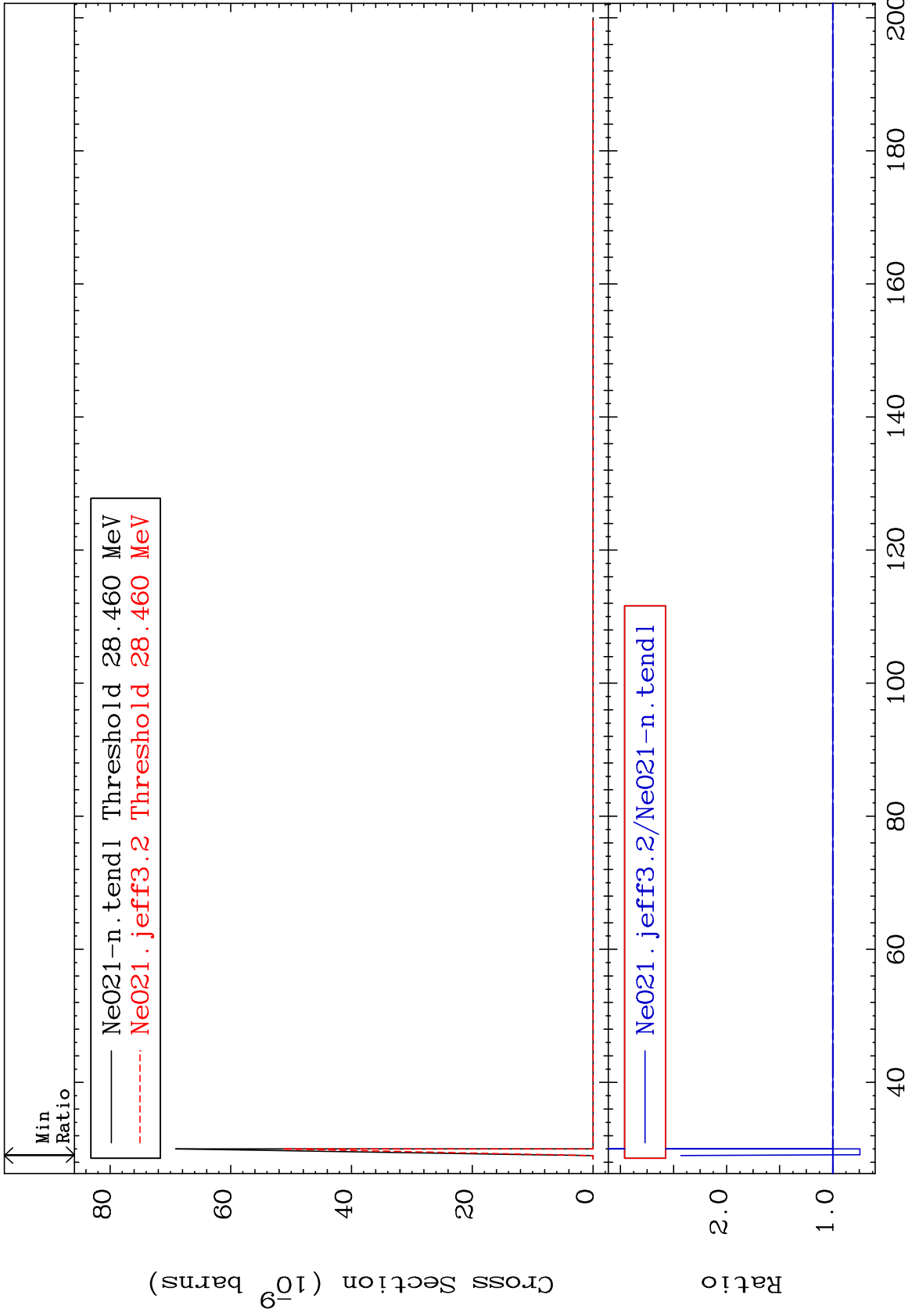
10-Ne-21
-67.02 To 35.06 %



MAT 1028

(n,3n) α
Cross Section

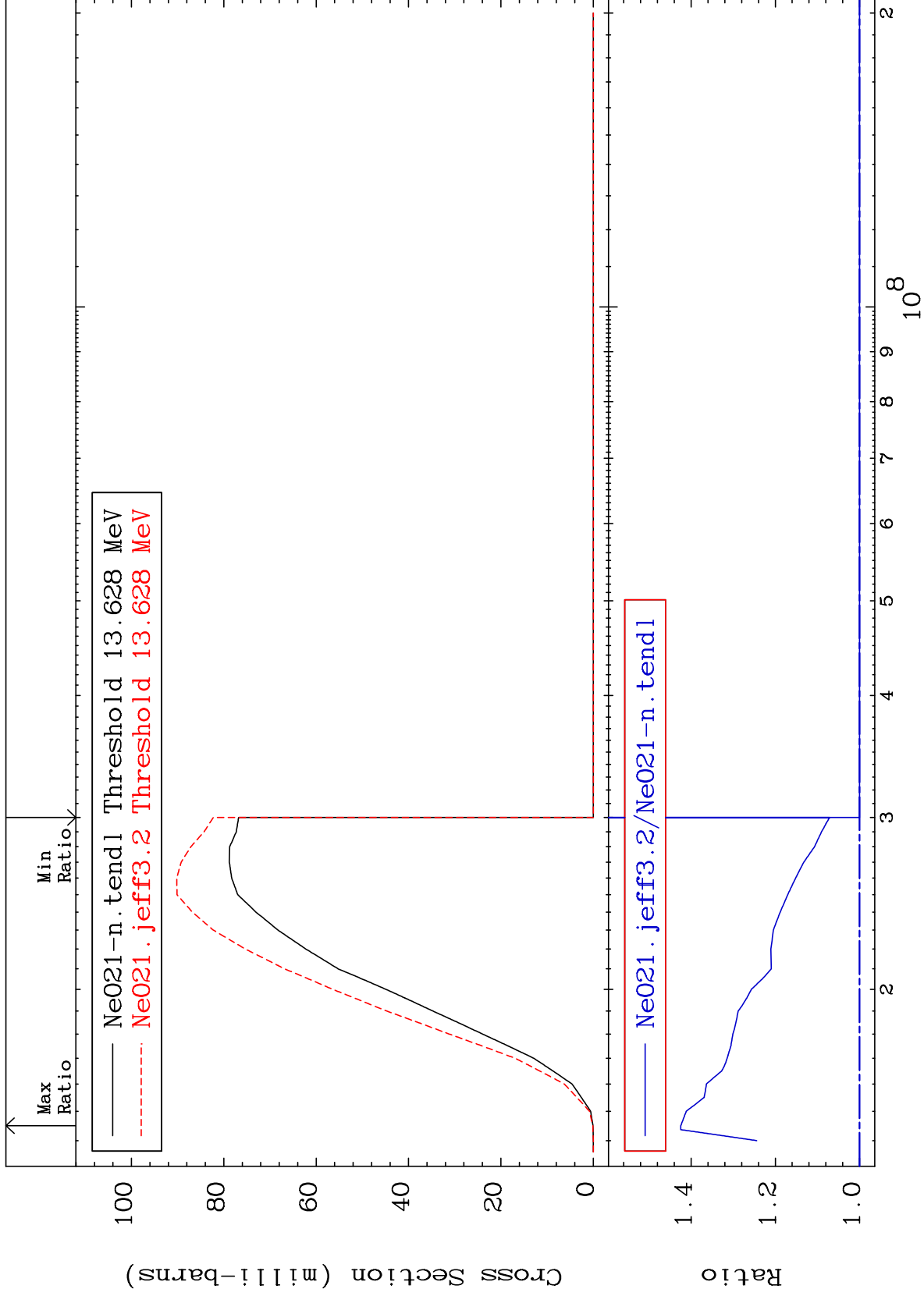
10-Ne-21
-25.61 To 143.2 %



MAT 1028

(n,n') p
Cross Section

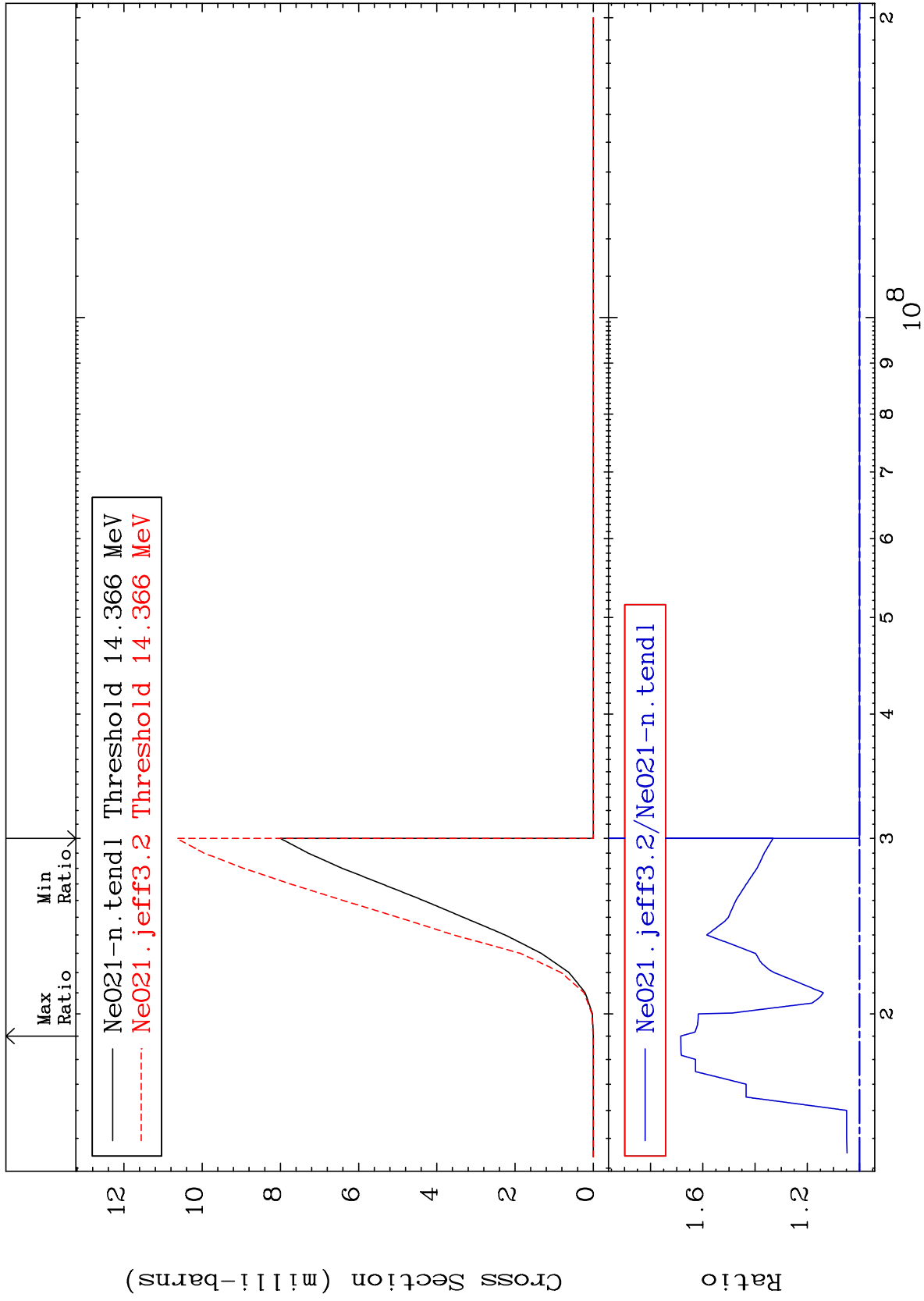
10-Ne-21
0.000 To 42.46 %



MAT 1028

(n, n') 2α
Cross Section

0.000 To 68.44 %
10-Ne-21



— Ne021-n.tendl Threshold 14.366 MeV
- - - Ne021.jeff3.2 Threshold 14.366 MeV

— Ne021.jeff3.2/Ne021-n.tendl

10

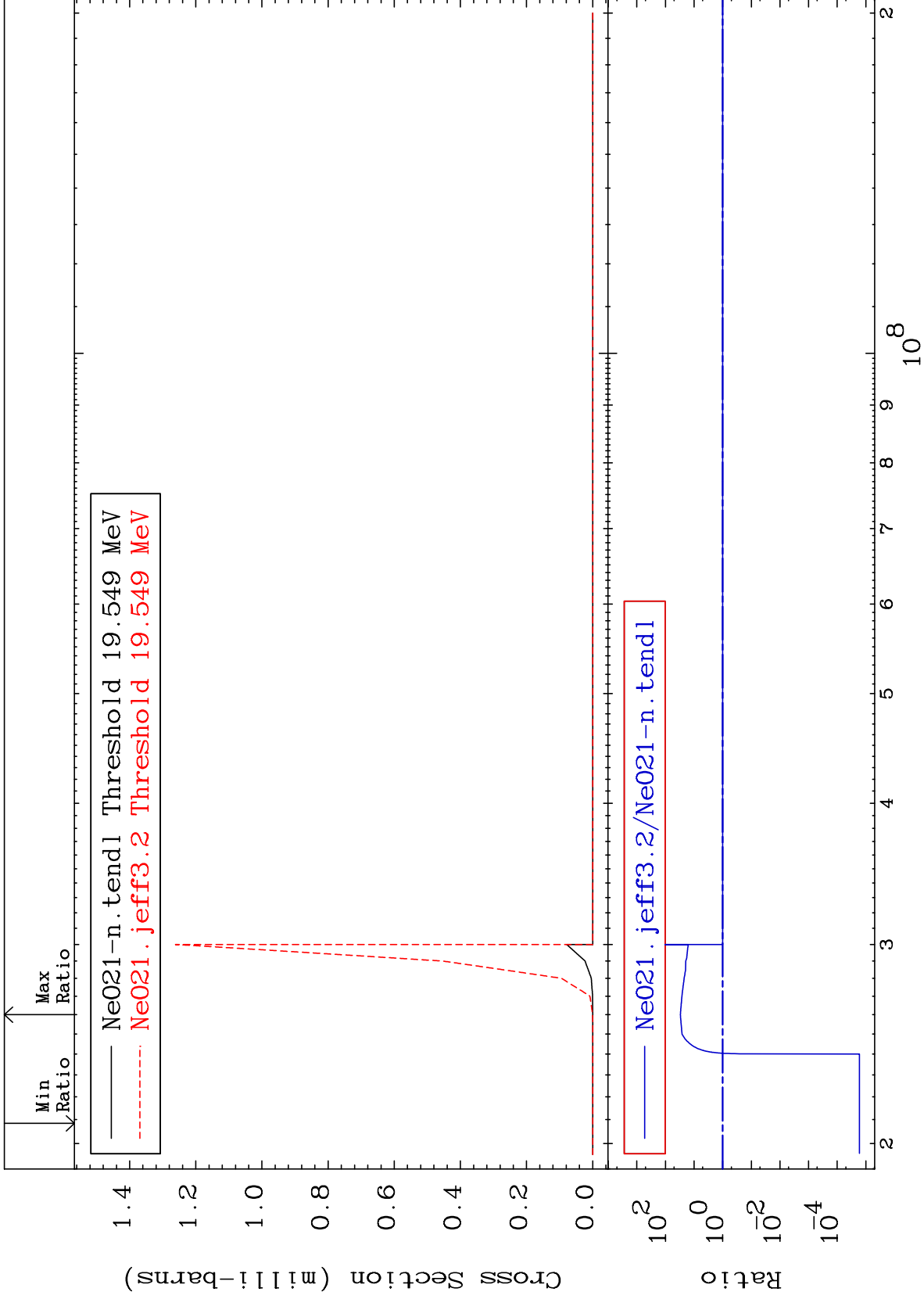
Incident Energy (eV)

10-Ne-21

MAT 1028

(n,2n) 2α
Cross Section

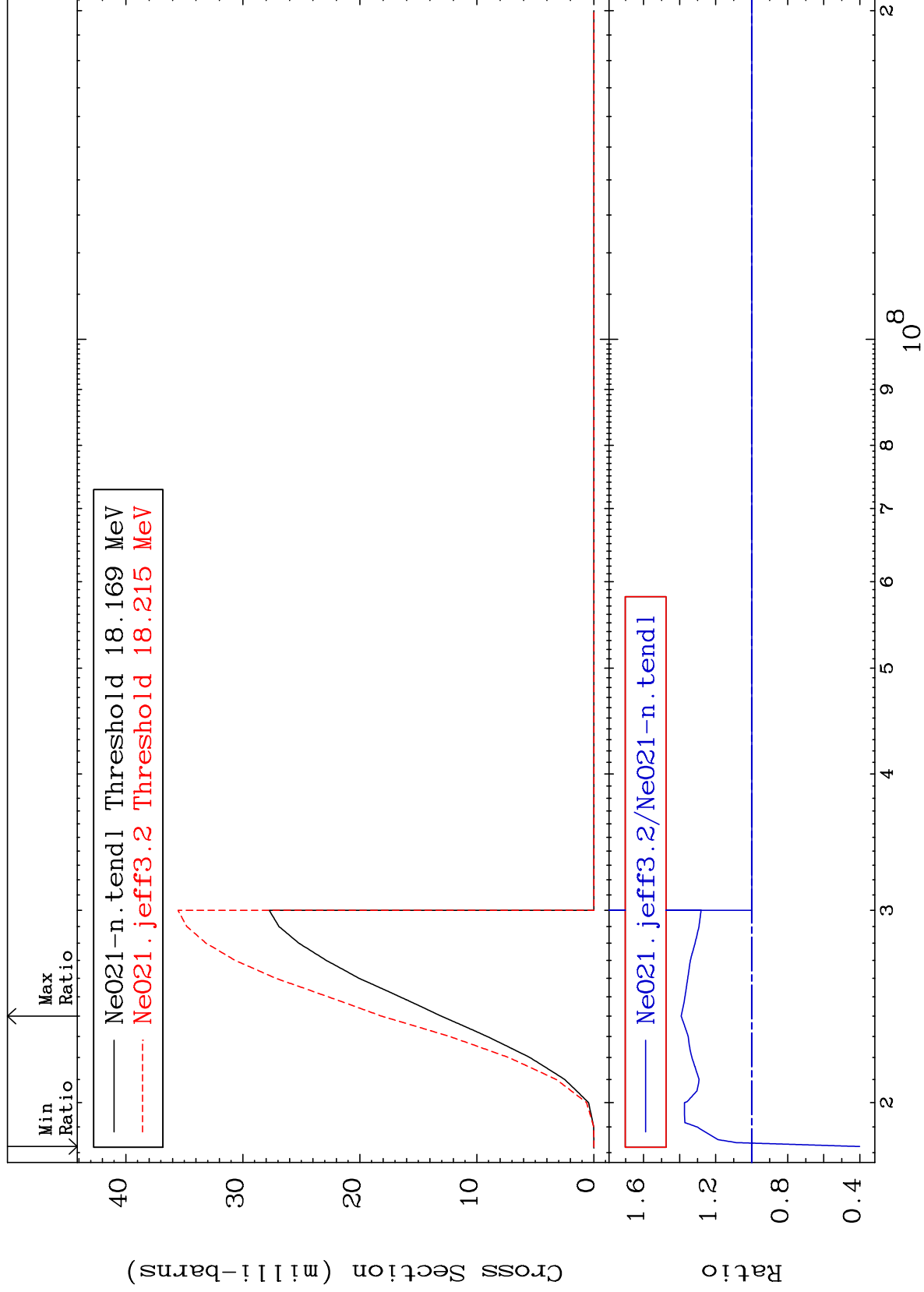
10-Ne-21
-100.0 To 2915. %



MAT 1028

(n, n') d
Cross Section

10-Ne-21
-59.92 To 39.14 %



12

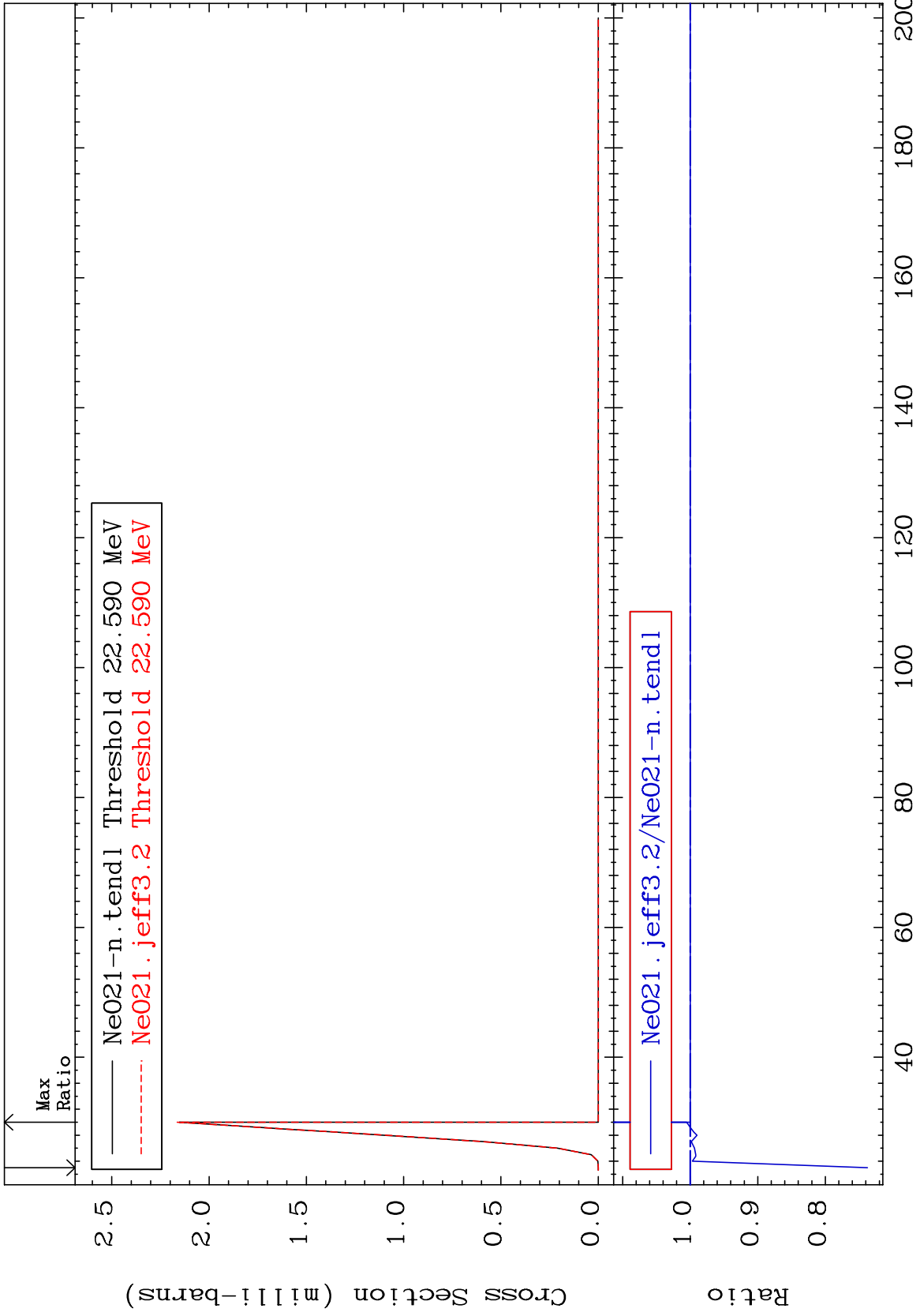
10-Ne-21

10-Ne-21

MAT 1028

(n,n') t
Cross Section

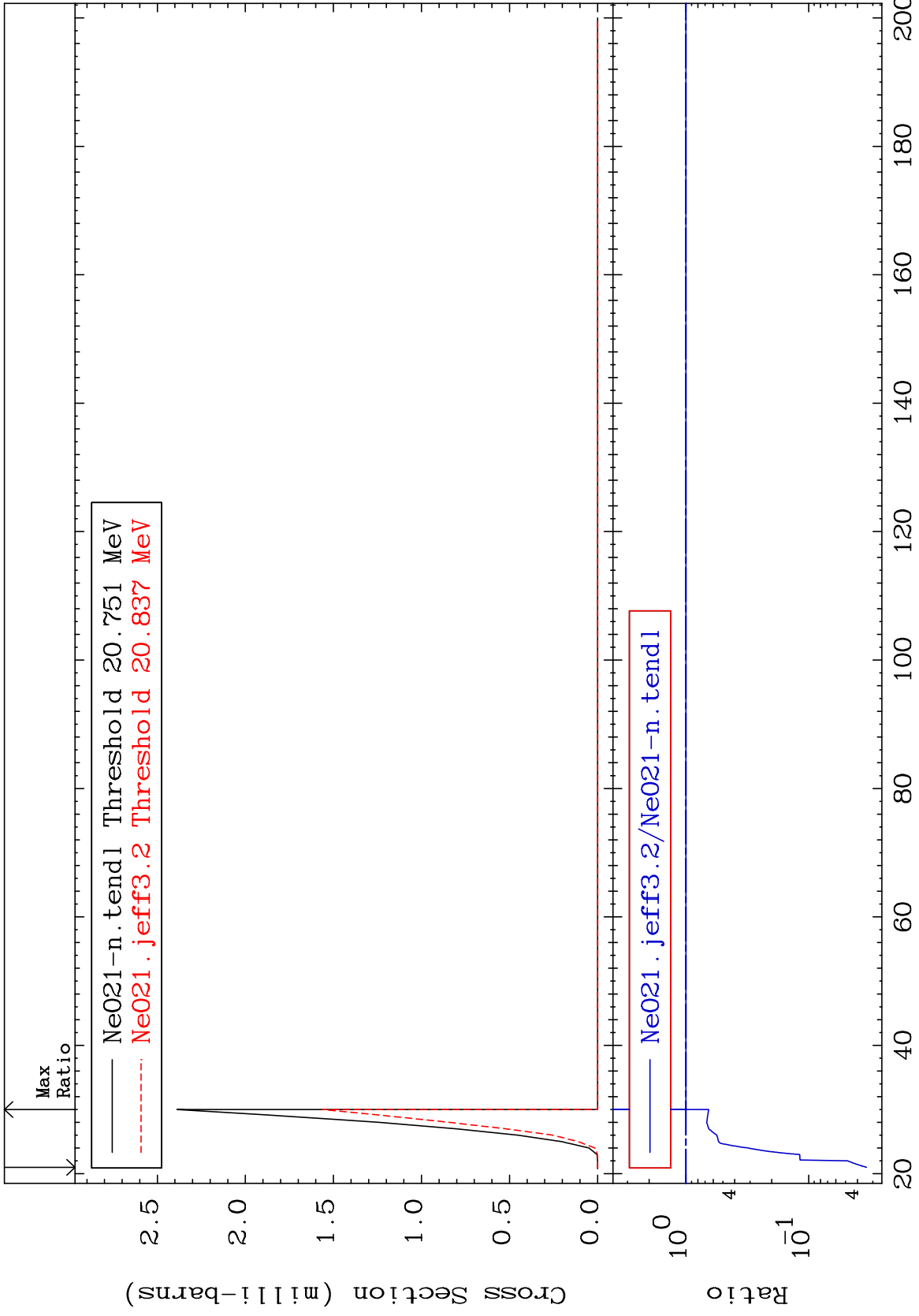
10-Ne-21
-26.24 To 0.513 %



MAT 1028

(n, n') He-3
Cross Section

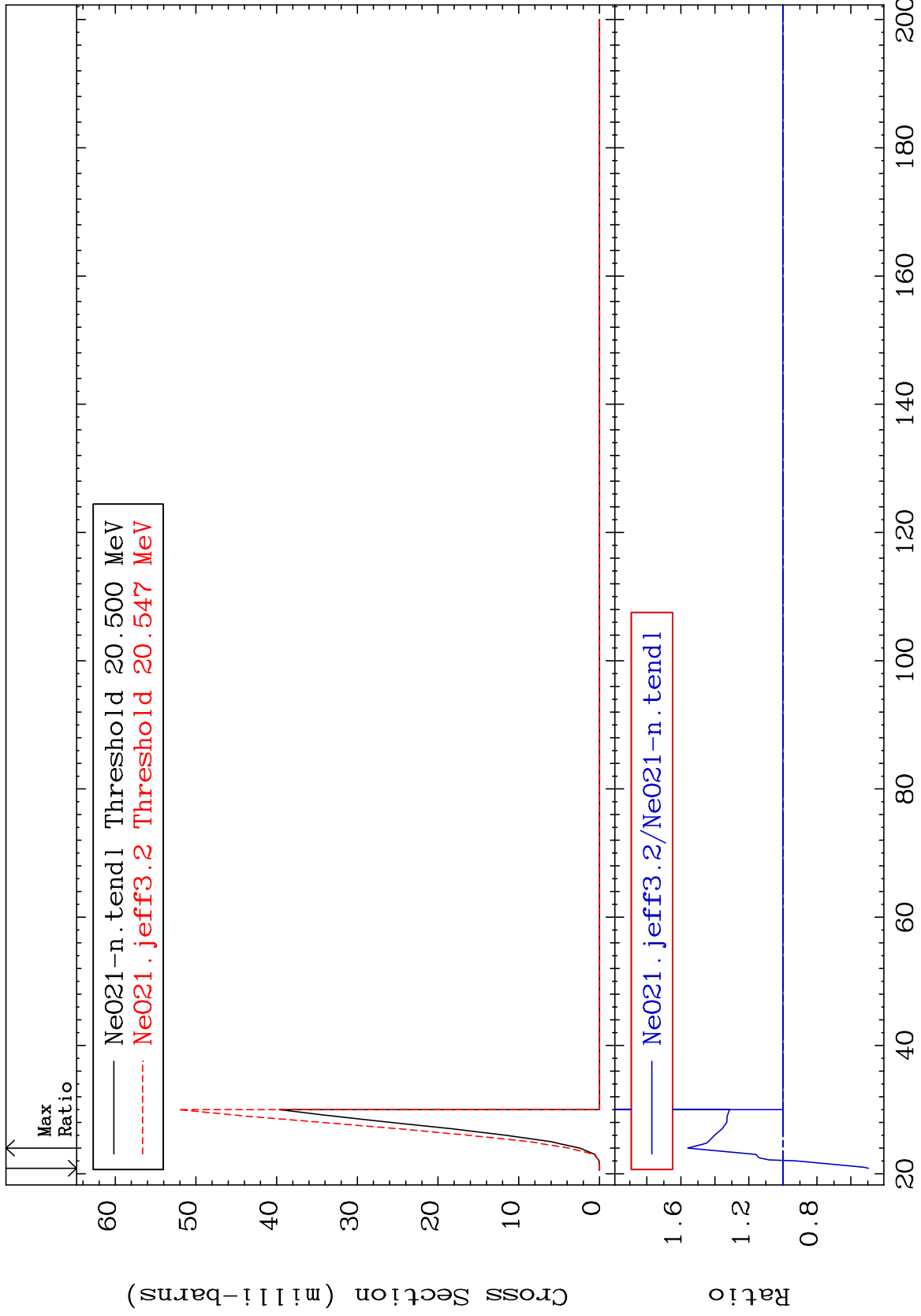
10-Ne-21
-96.63 To 0.000 %



MAT 1028

(n,2n) p
Cross Section

10-Ne-21
-50.35 To 55.89 %



15

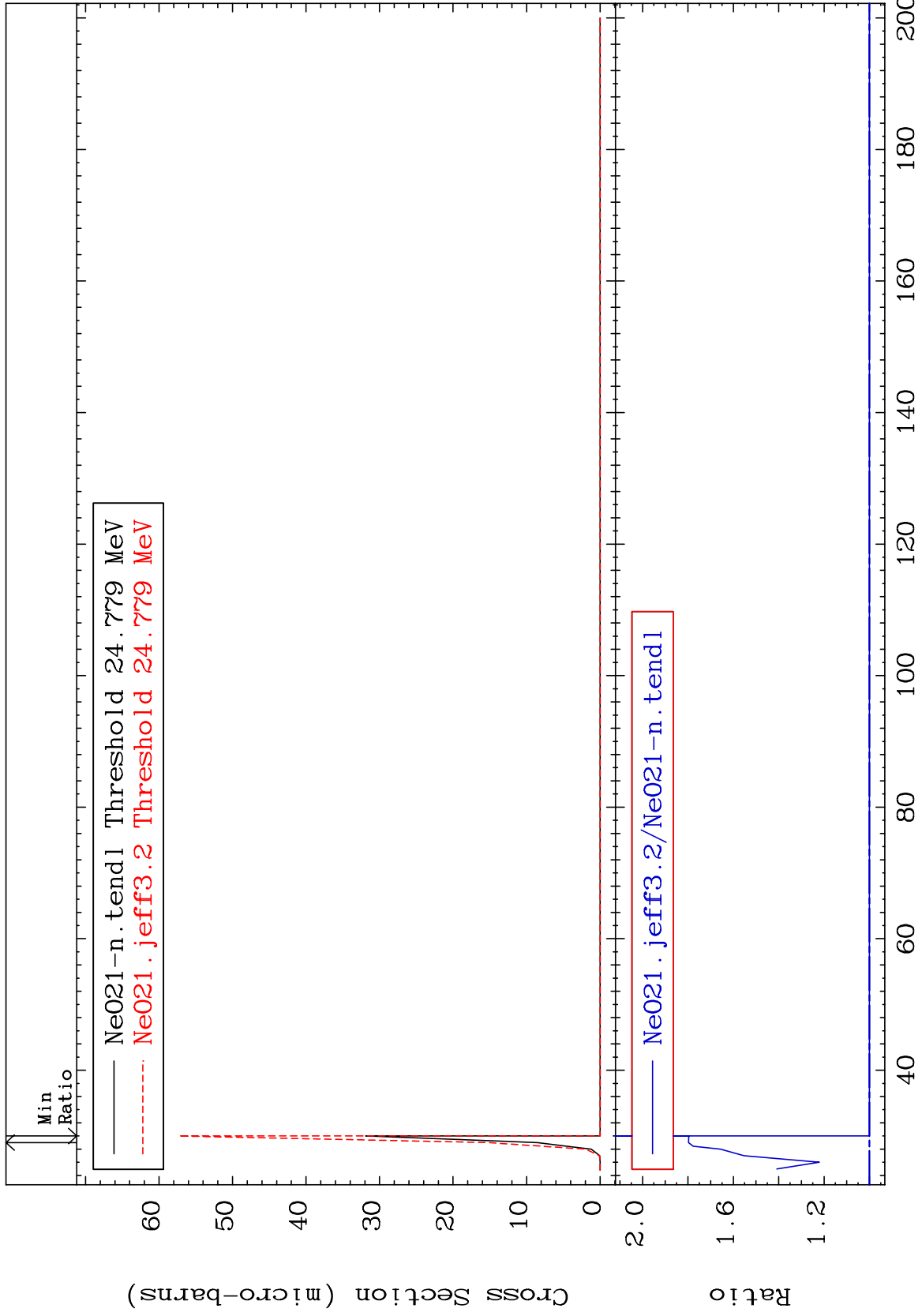
Incident Energy (MeV)

10-Ne-21

MAT 1028

(n,2n) p
Cross Section

10-Ne-21
To 79.71 %
0.000



16

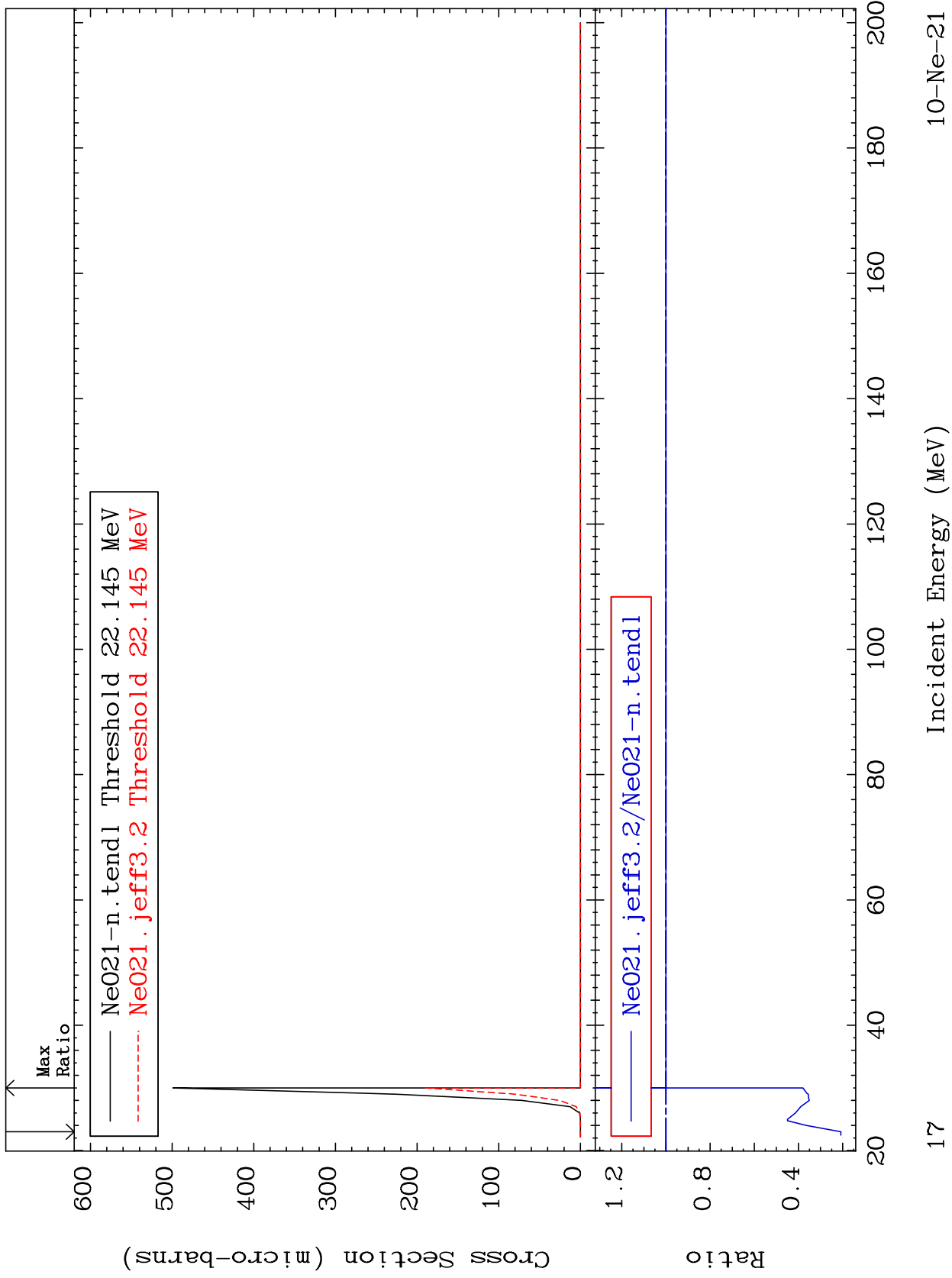
Incident Energy (MeV)

10-Ne-21

MAT 1028

(n,n') p α
Cross Section

10-Ne-21
-79.19 To 0.000 %

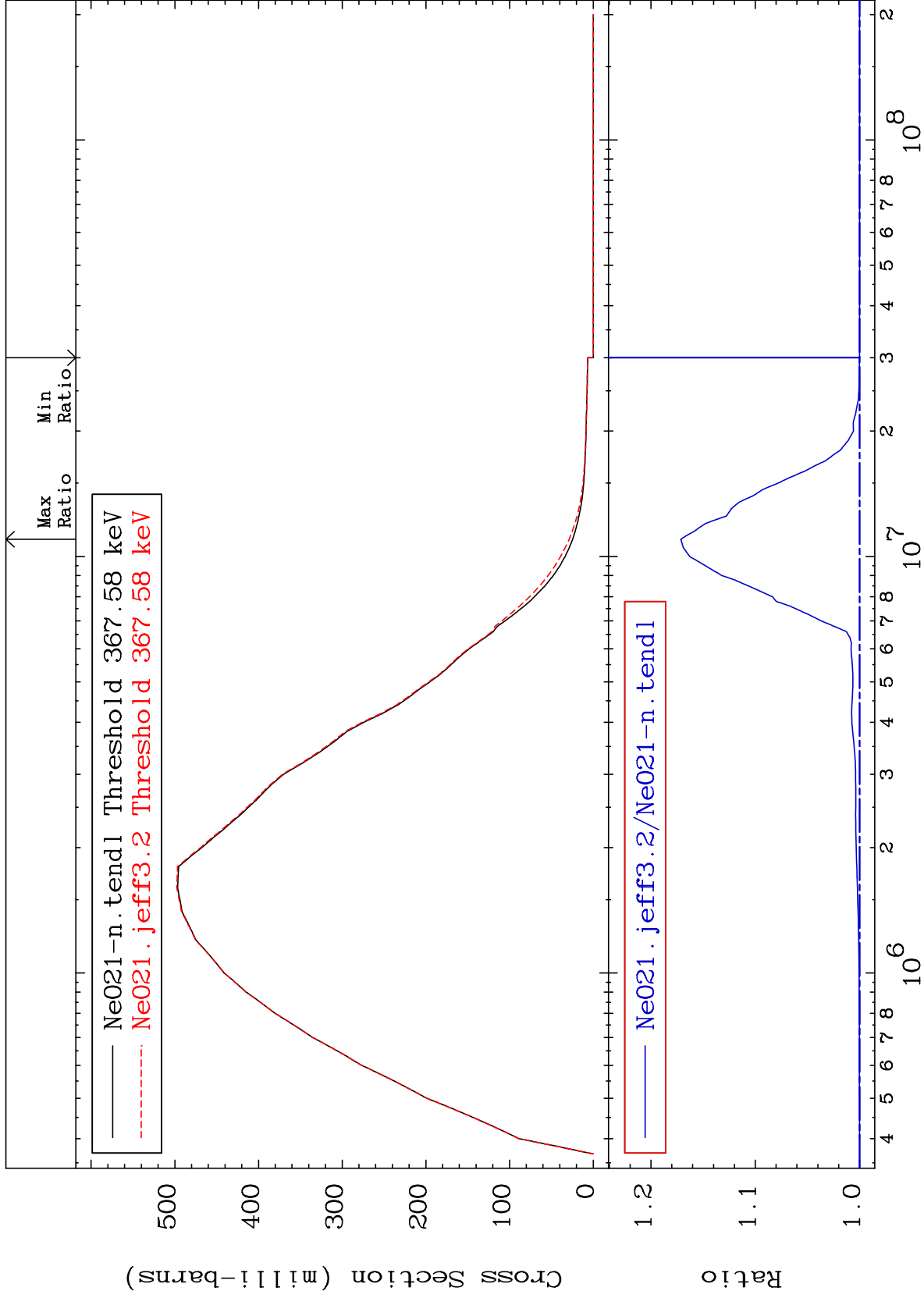


MAT 1028

350.7 keV (n,n') Level

10-Ne-21

0.000 To 17.14 %



18

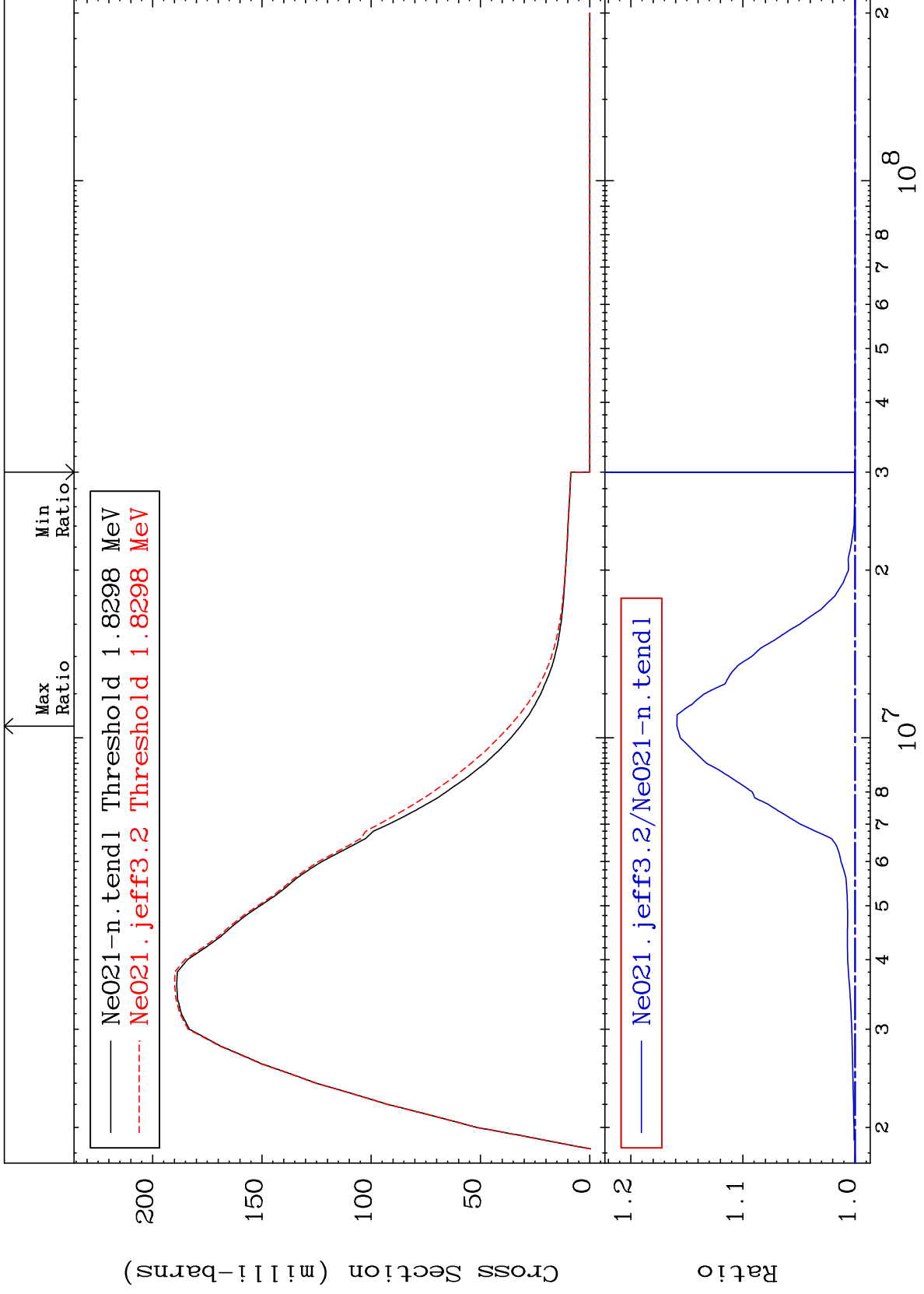
Incident Energy (eV)

10-Ne-21

MAT 1028

1.746 MeV (n,n') Level
Cross Section

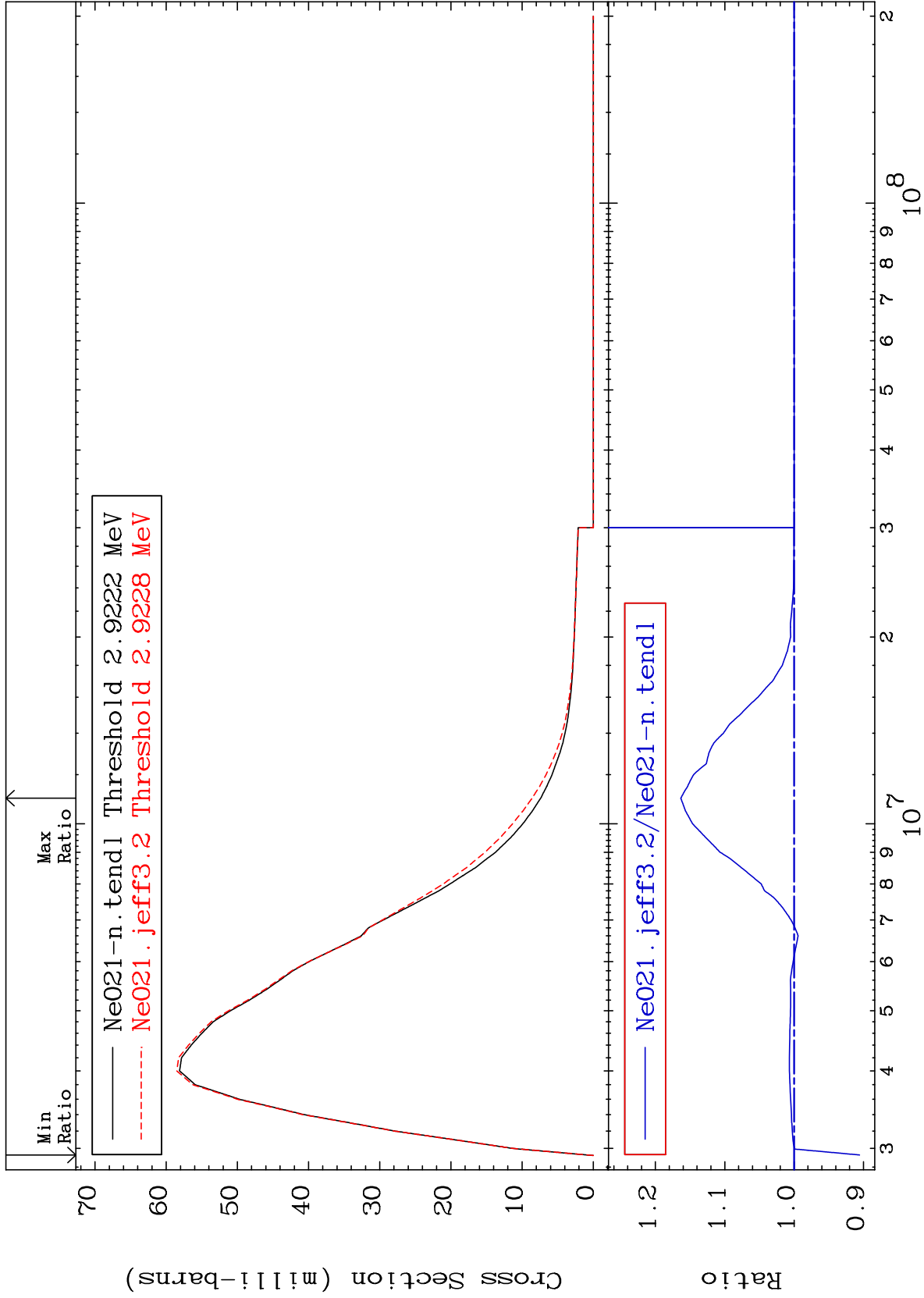
0.000 To 15.88 %
10-Ne-21



MAT 1028

2.788 MeV (n,n') Level
Cross Section

10-Ne-21
-9.435 To 16.35 %



20

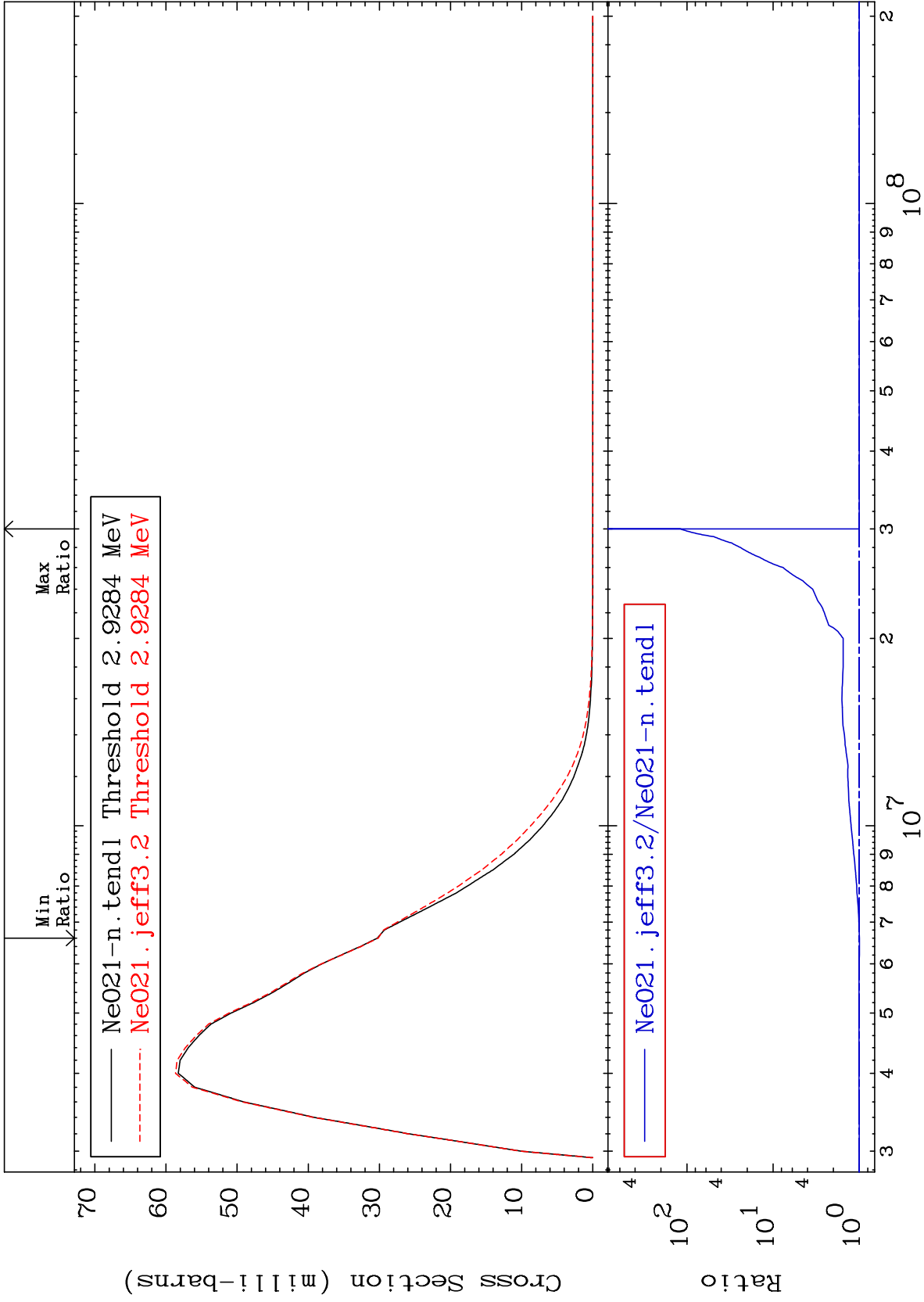
Incident Energy (eV)

10-Ne-21

MAT 1028

2.794 MeV (n,n') Level
Cross Section

10-Ne-21
-0.321 To 9999. %



21

Incident Energy (eV)

10-Ne-21

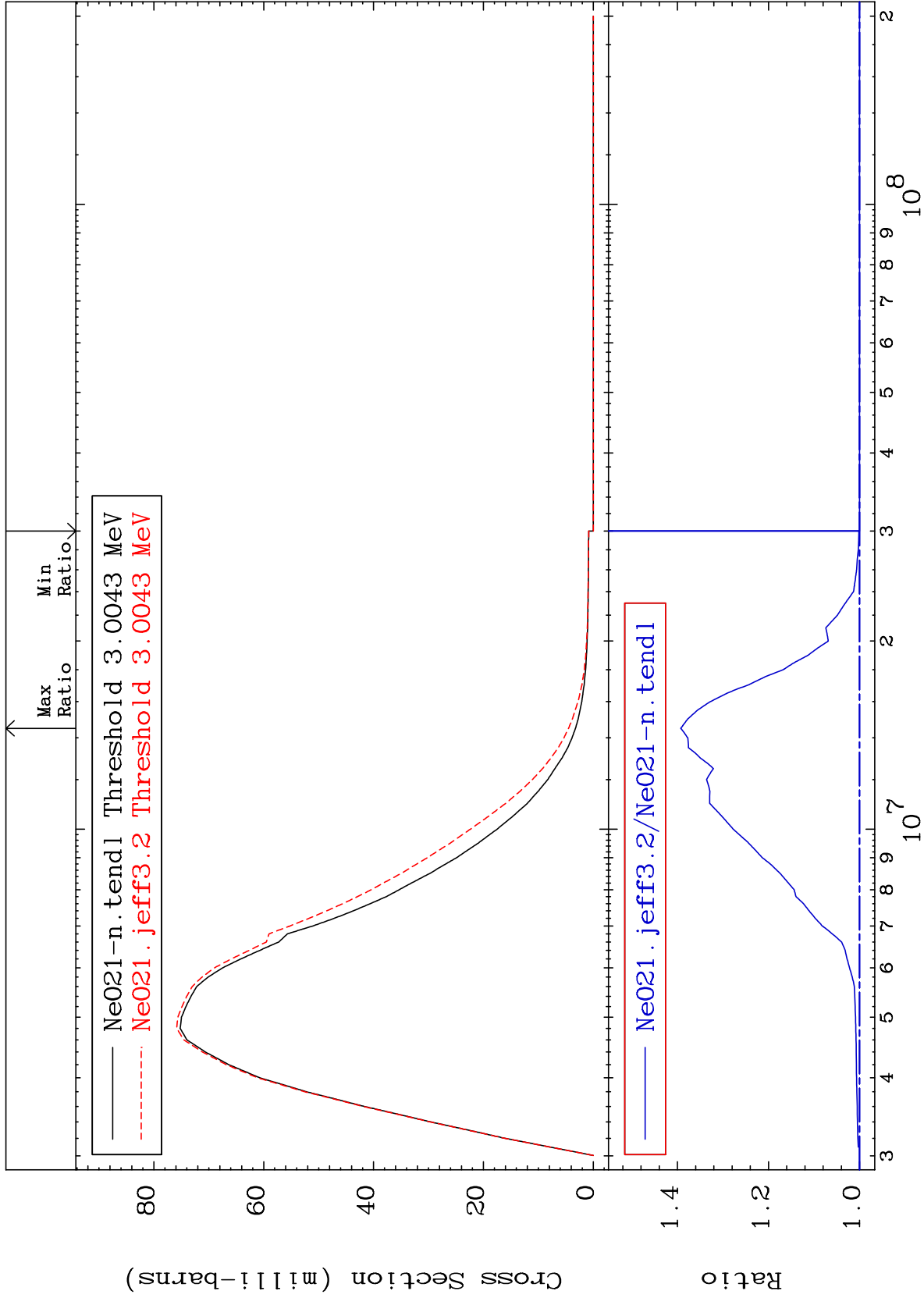
MAT 1028

2.867 MeV (n,n') Level

10-Ne-21

0.000 To 39.27 %

Cross Section



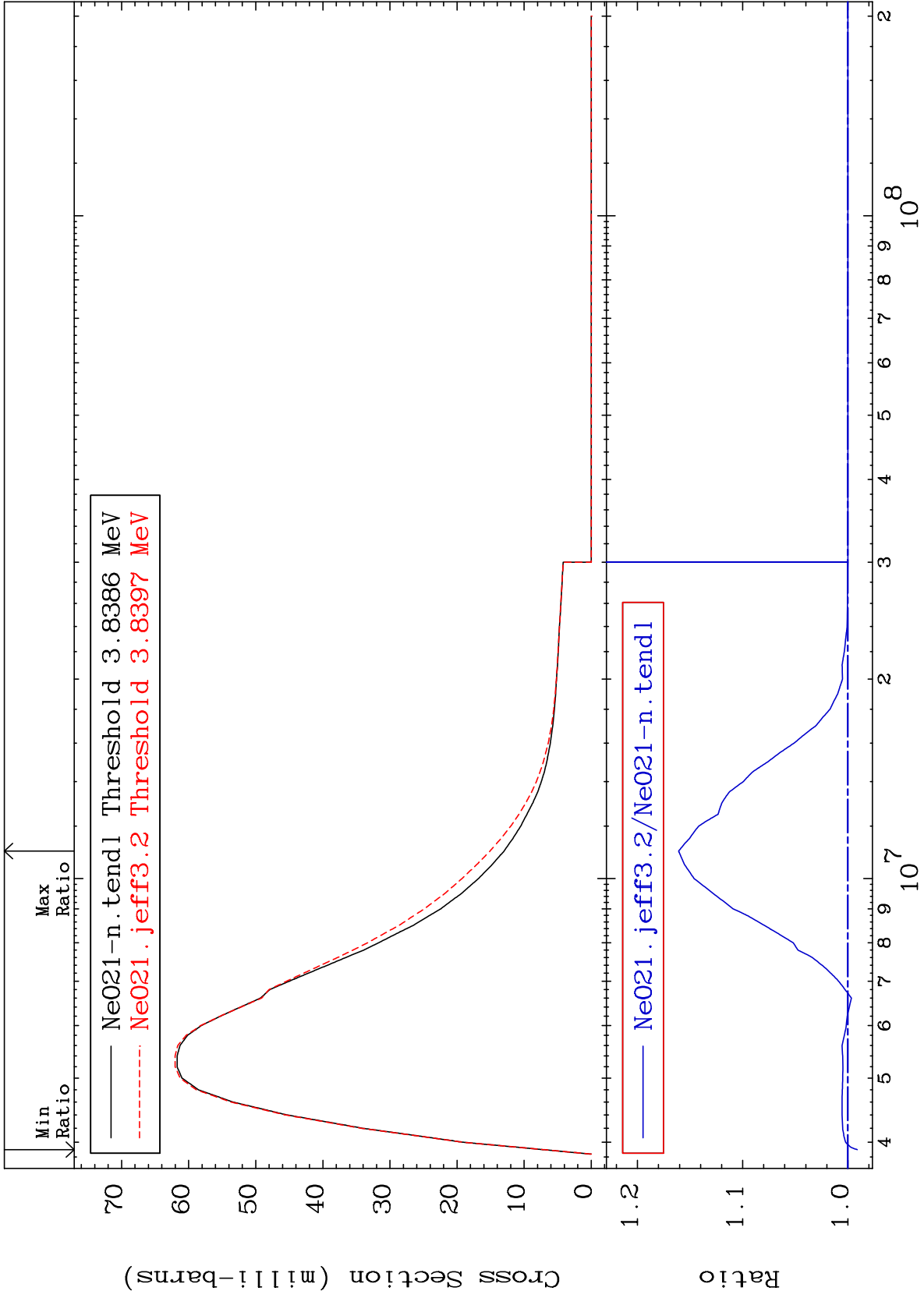
22

10-Ne-21

MAT 1028

3.663 MeV (n,n') Level
Cross Section

10-Ne-21
-0.891 To 16.09 %

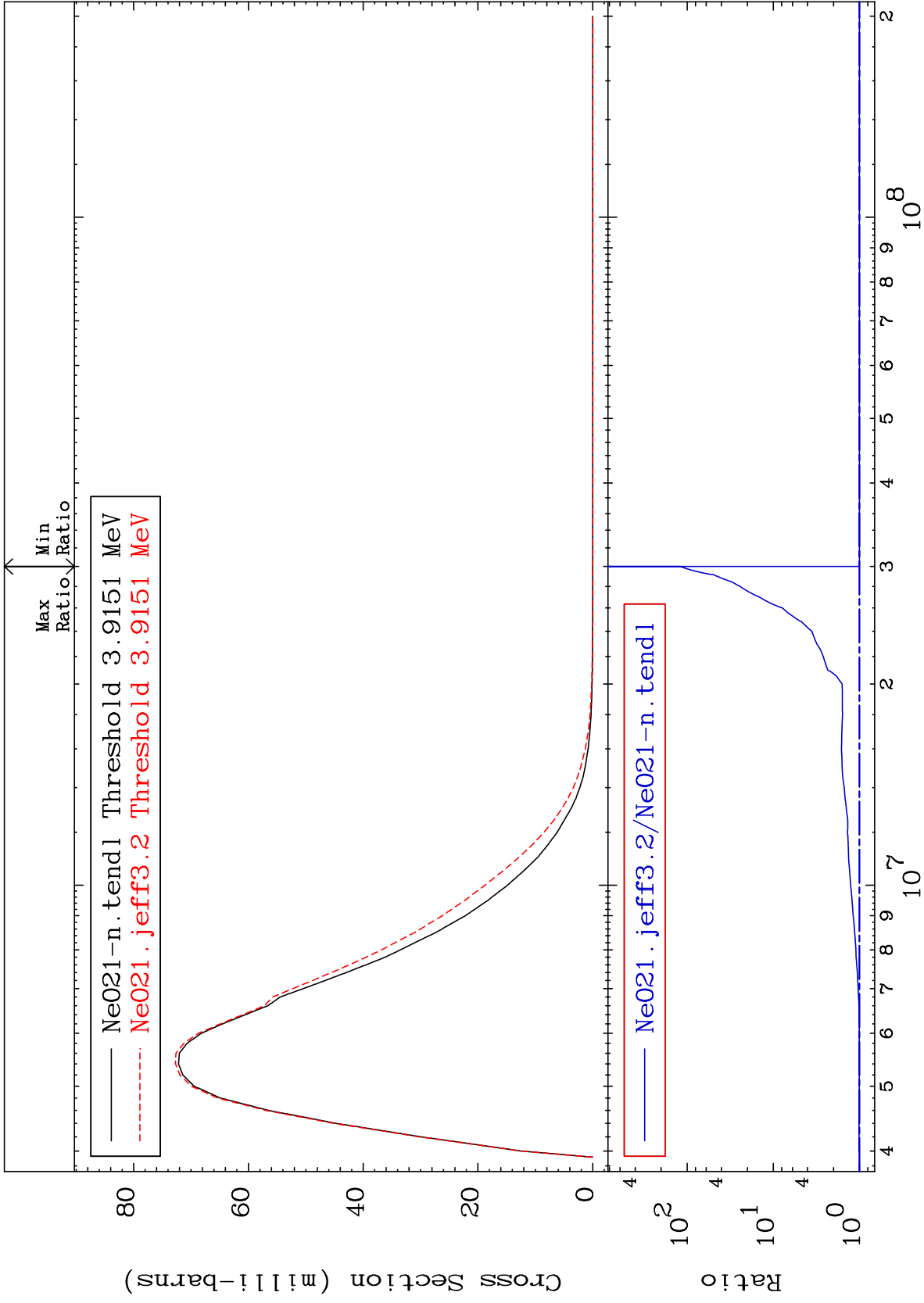


MAT 1028

3.736 MeV (n,n') Level

10-Ne-21

Cross Section To 9999. %



24

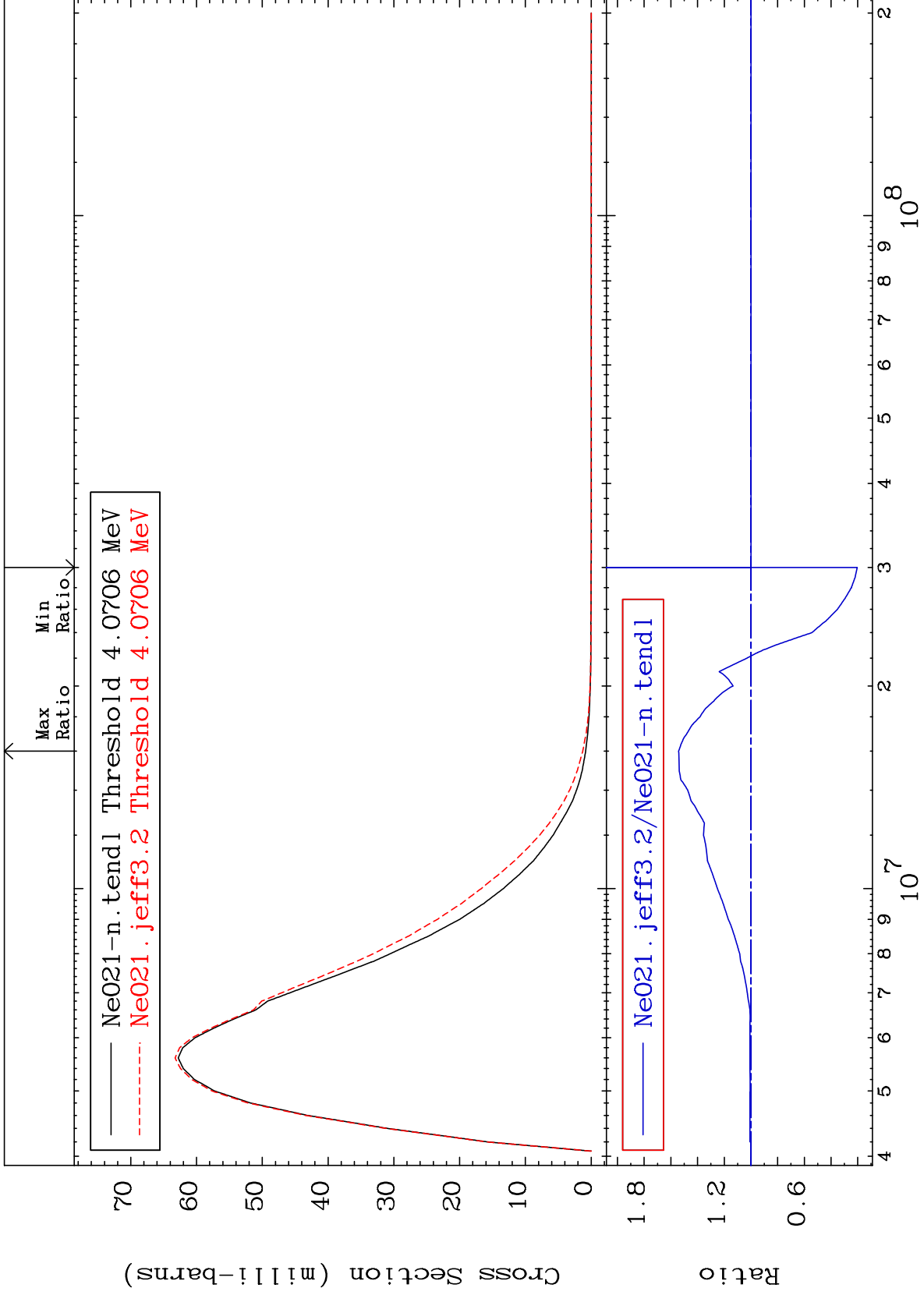
Incident Energy (eV)

10-Ne-21

MAT 1028

3.884 MeV (n,n') Level
Cross Section

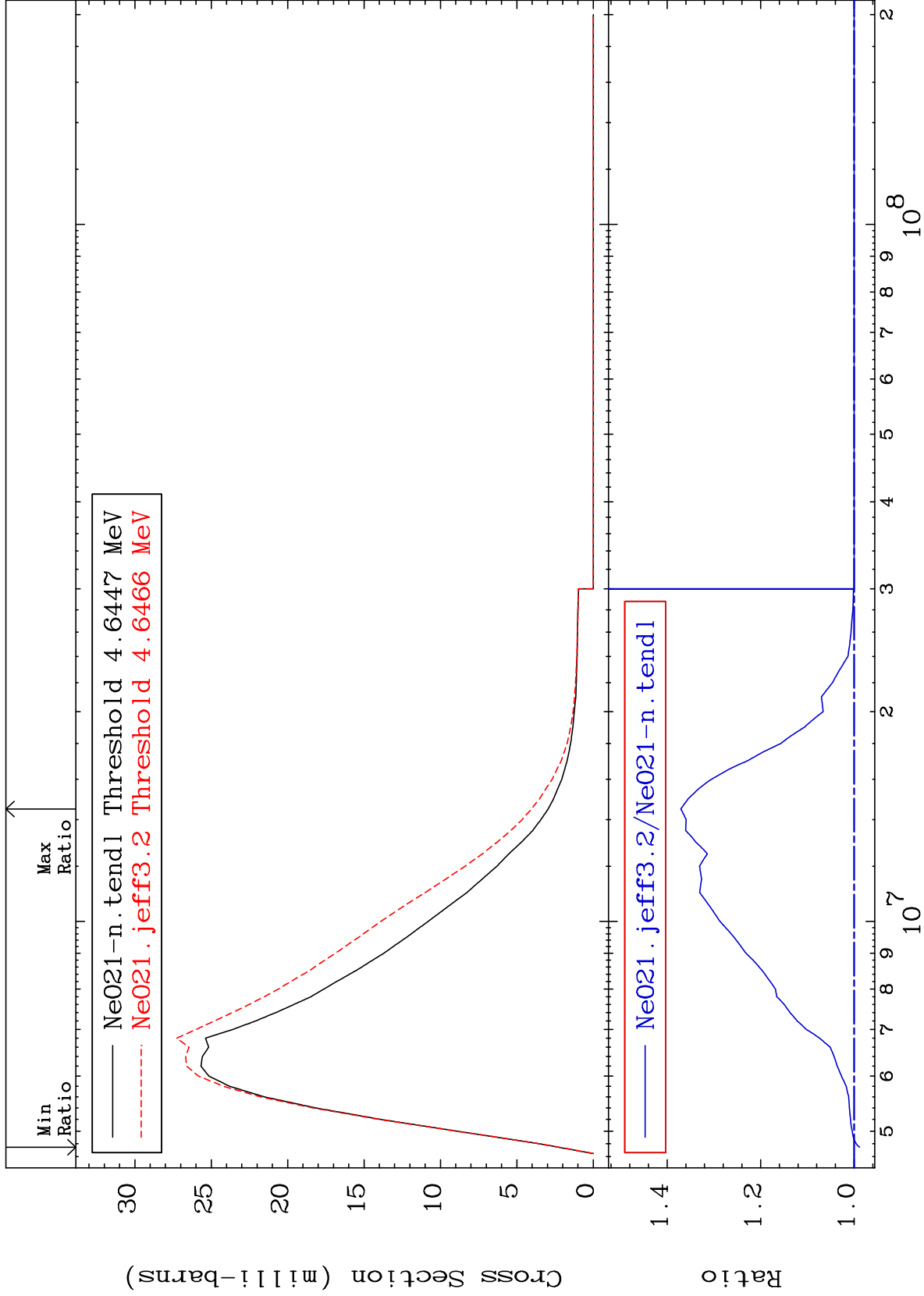
10-Ne-21
-79.65 To 54.17 %



MAT 1028

4.432 MeV (n,n') Level
Cross Section

10-Ne-21
-1.153 To 37.09 %

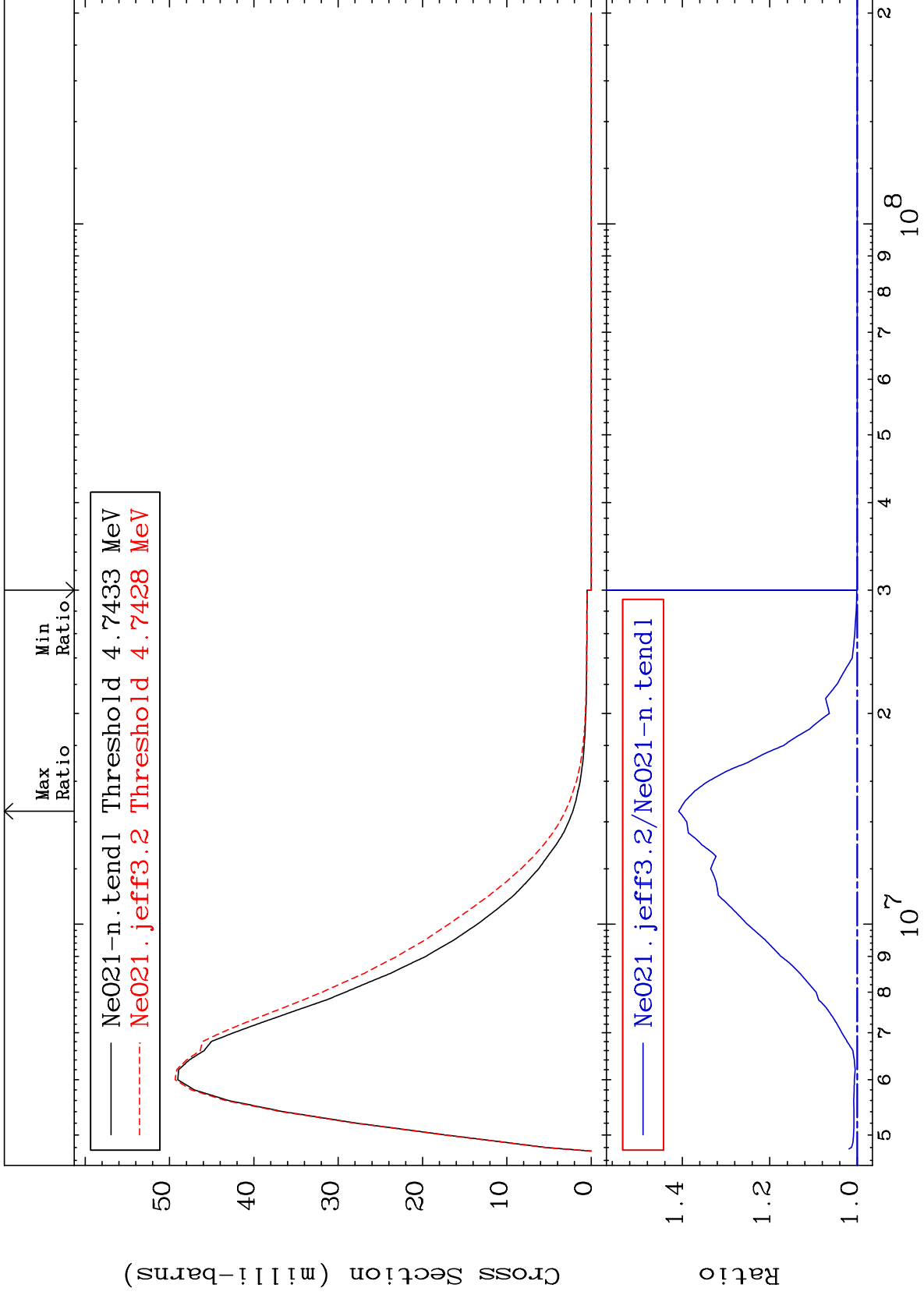


26

MAT 1028

4.526 MeV (n,n') Level
Cross Section

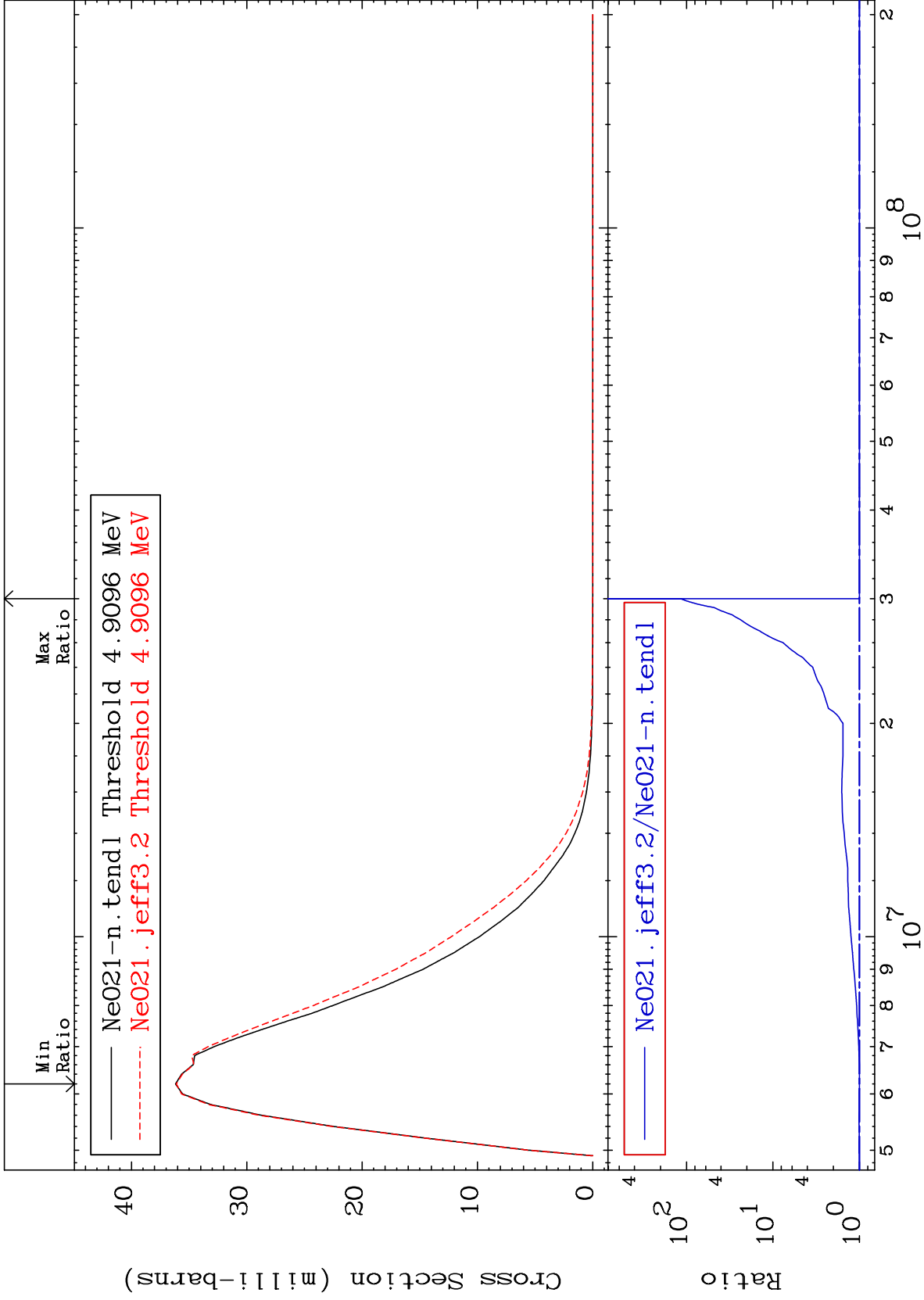
10-Ne-21
0.000 To 40.84 %



MAT 1028

4.685 MeV (n,n') Level
Cross Section

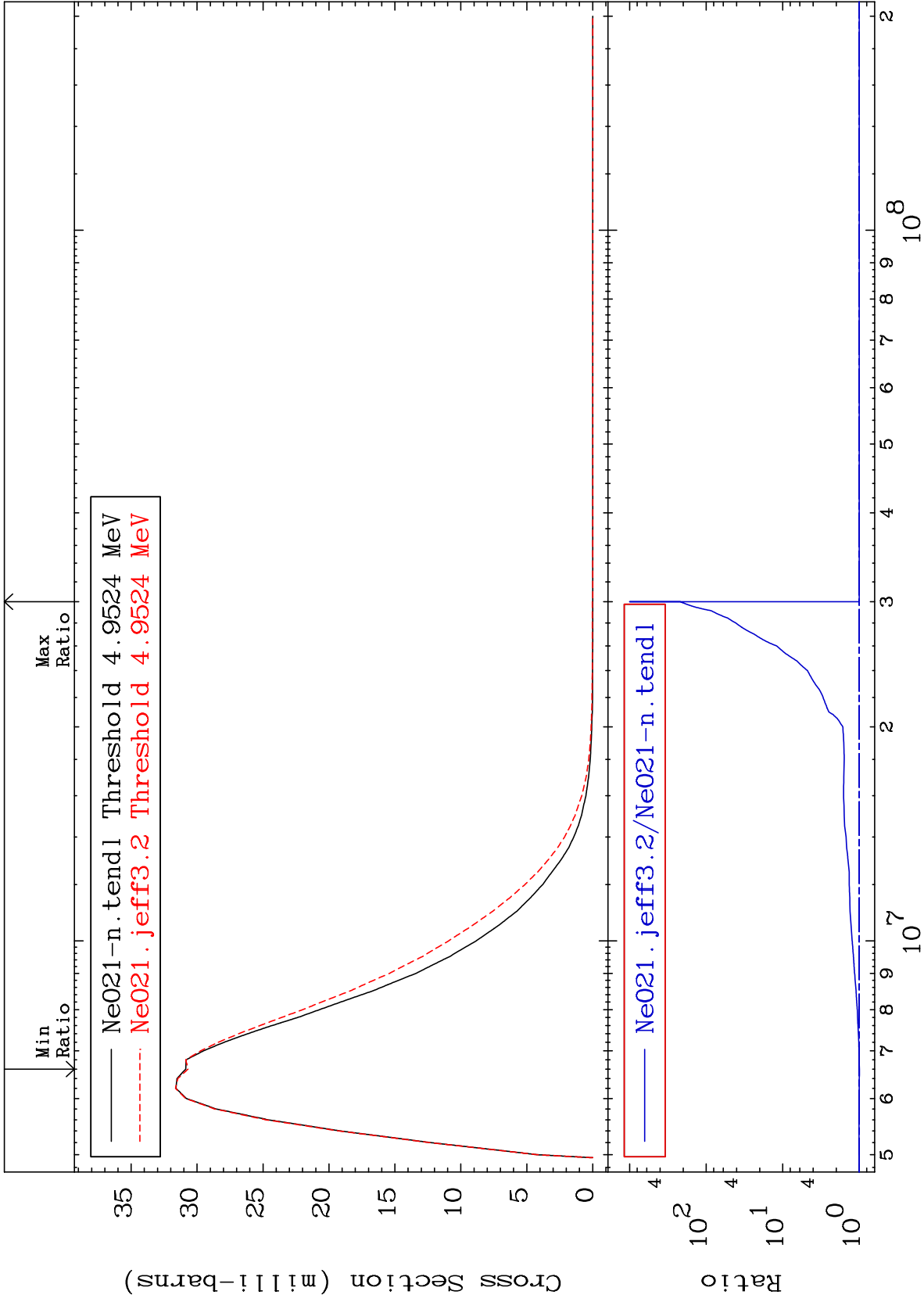
10-Ne-21
-0.208 To 9999. %



MAT 1028

4.725 MeV (n,n') Level
Cross Section

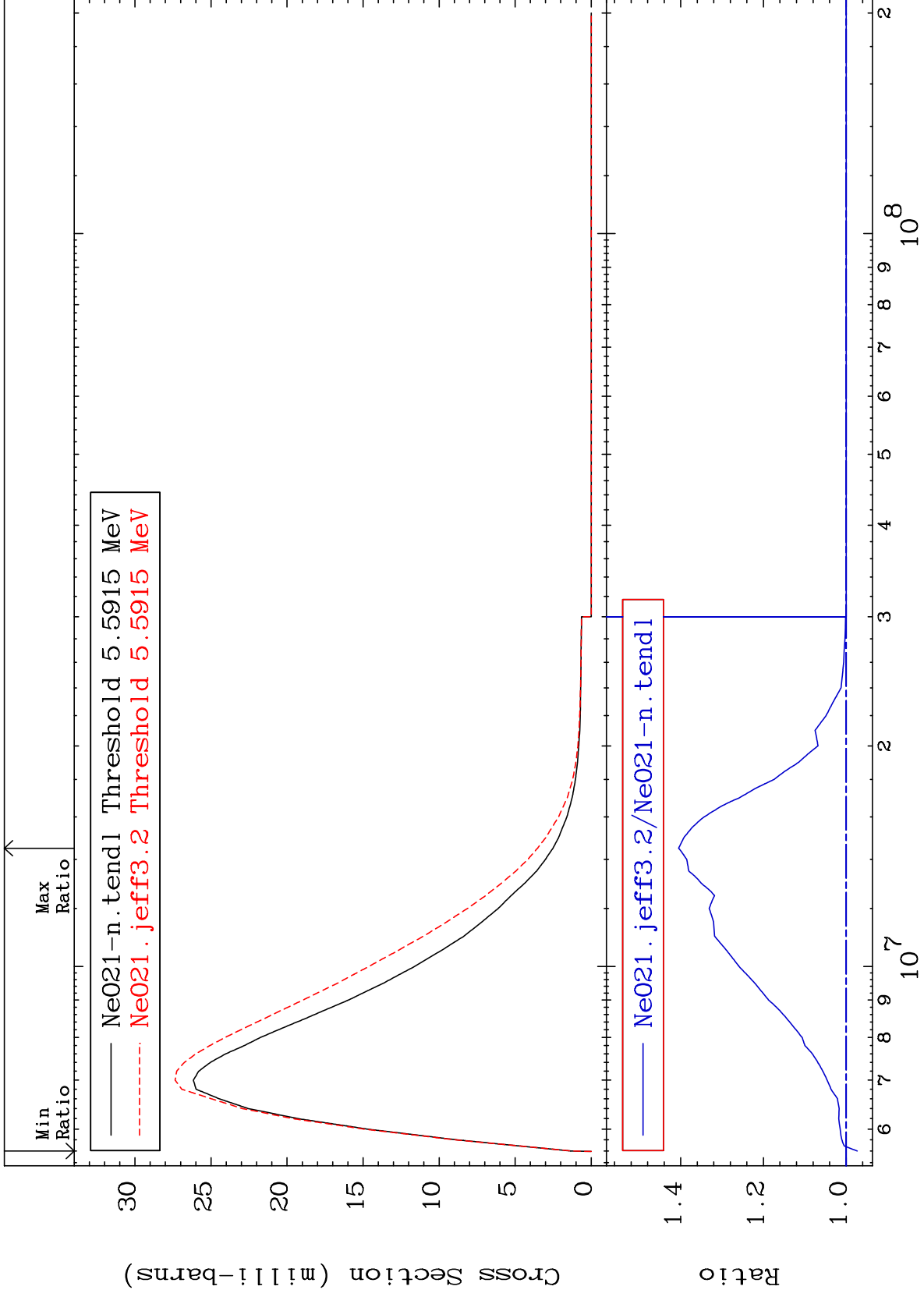
10-Ne-21
-0.560 To 9999. %



MAT 1028

5.335 MeV (n,n') Level
Cross Section

10-Ne-21
-2.687 To 40.50 %



30

Incident Energy (eV)

10-Ne-21

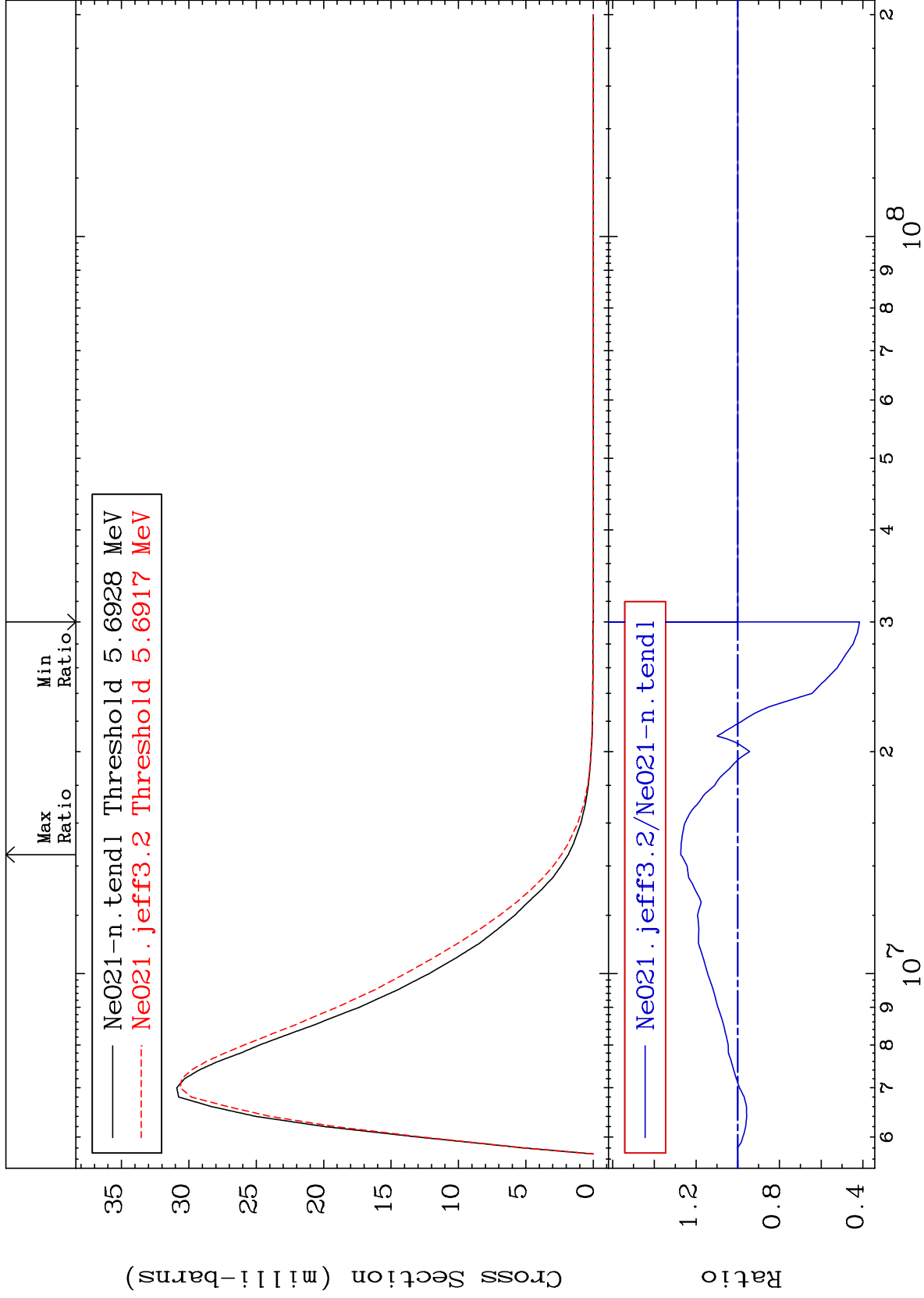
MAT 1028

5.432 MeV (n,n') Level

10-Ne-21

-58.41 To 27.34 %

Cross Section

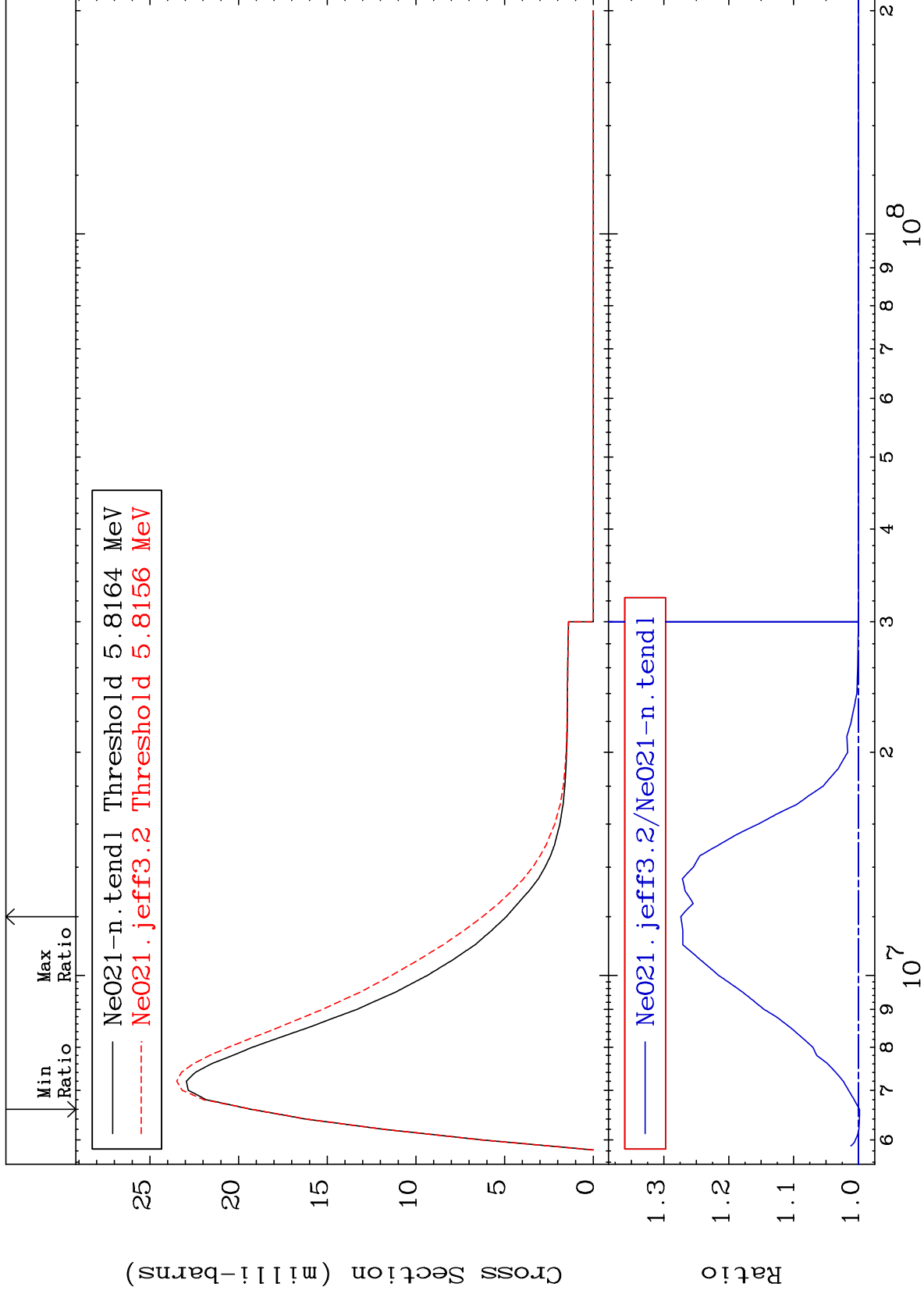


31

MAT 1028

5.550 MeV (n,n') Level
Cross Section

10-Ne-21
-0.169 To 27.39 %



32

Incident Energy (eV)

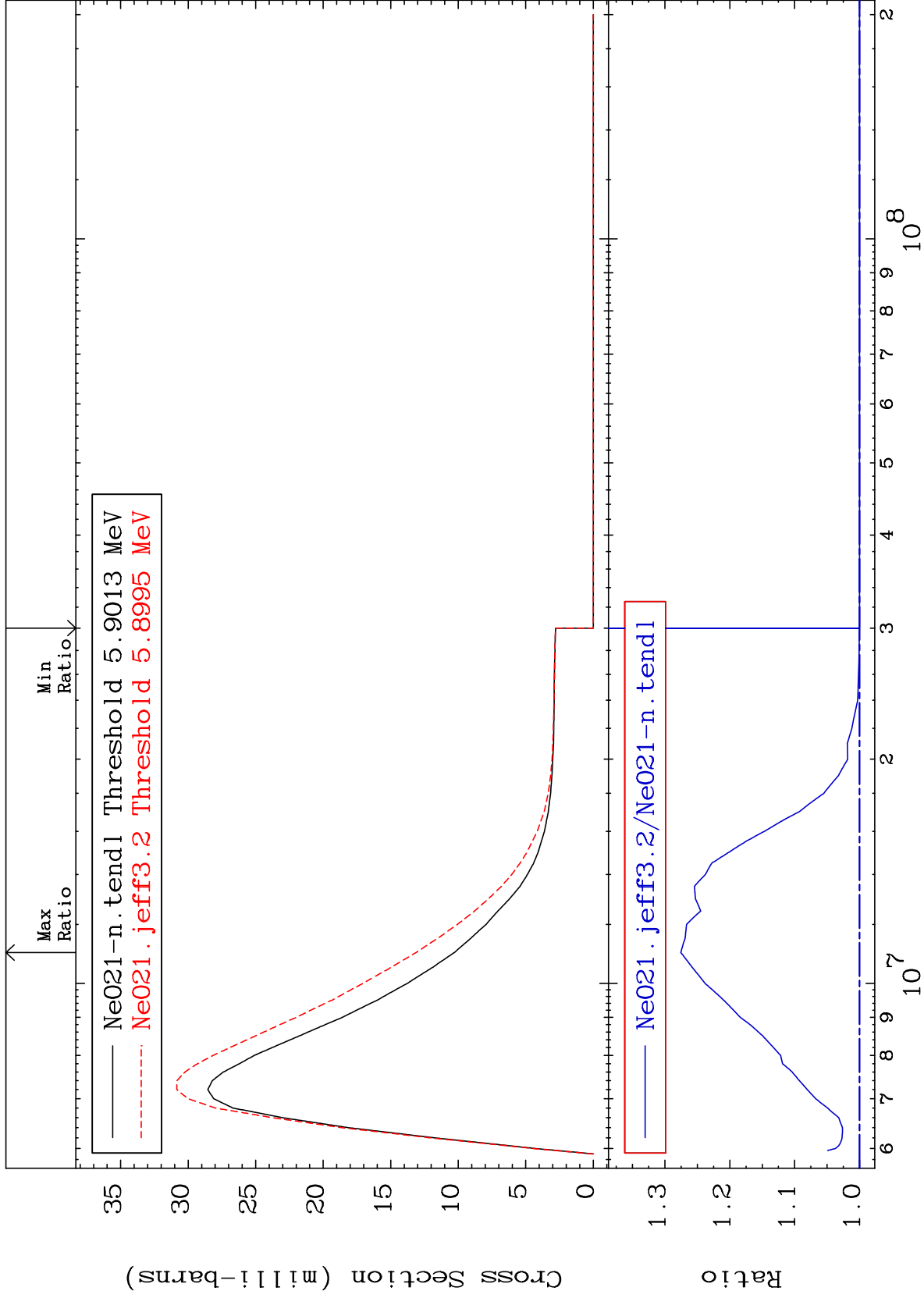
10-Ne-21

MAT 1028

5.631 MeV (n,n') Level

10-Ne-21

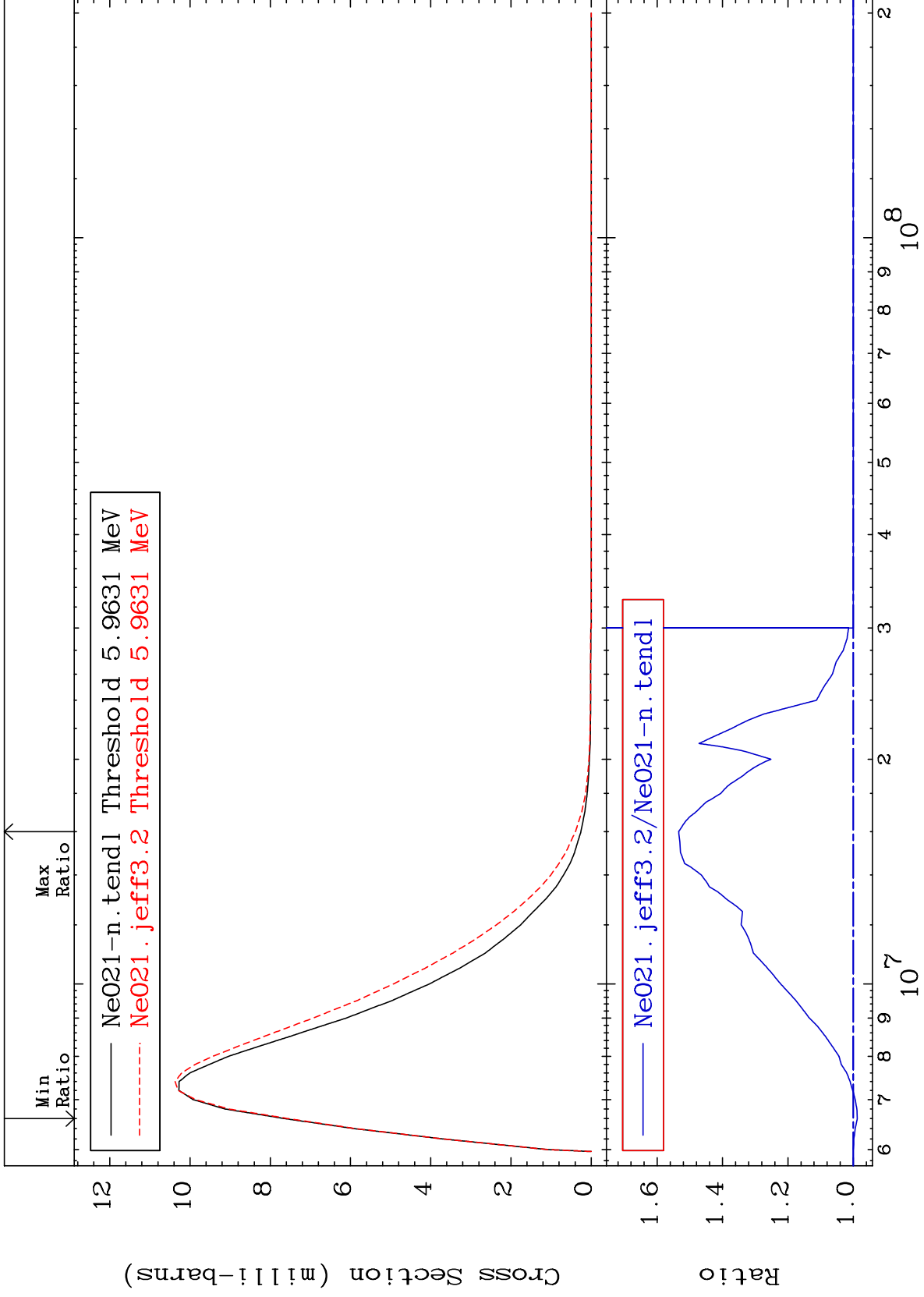
Cross Section
0.000 To 27.56 %



MAT 1028

5.690 MeV (n,n') Level
Cross Section

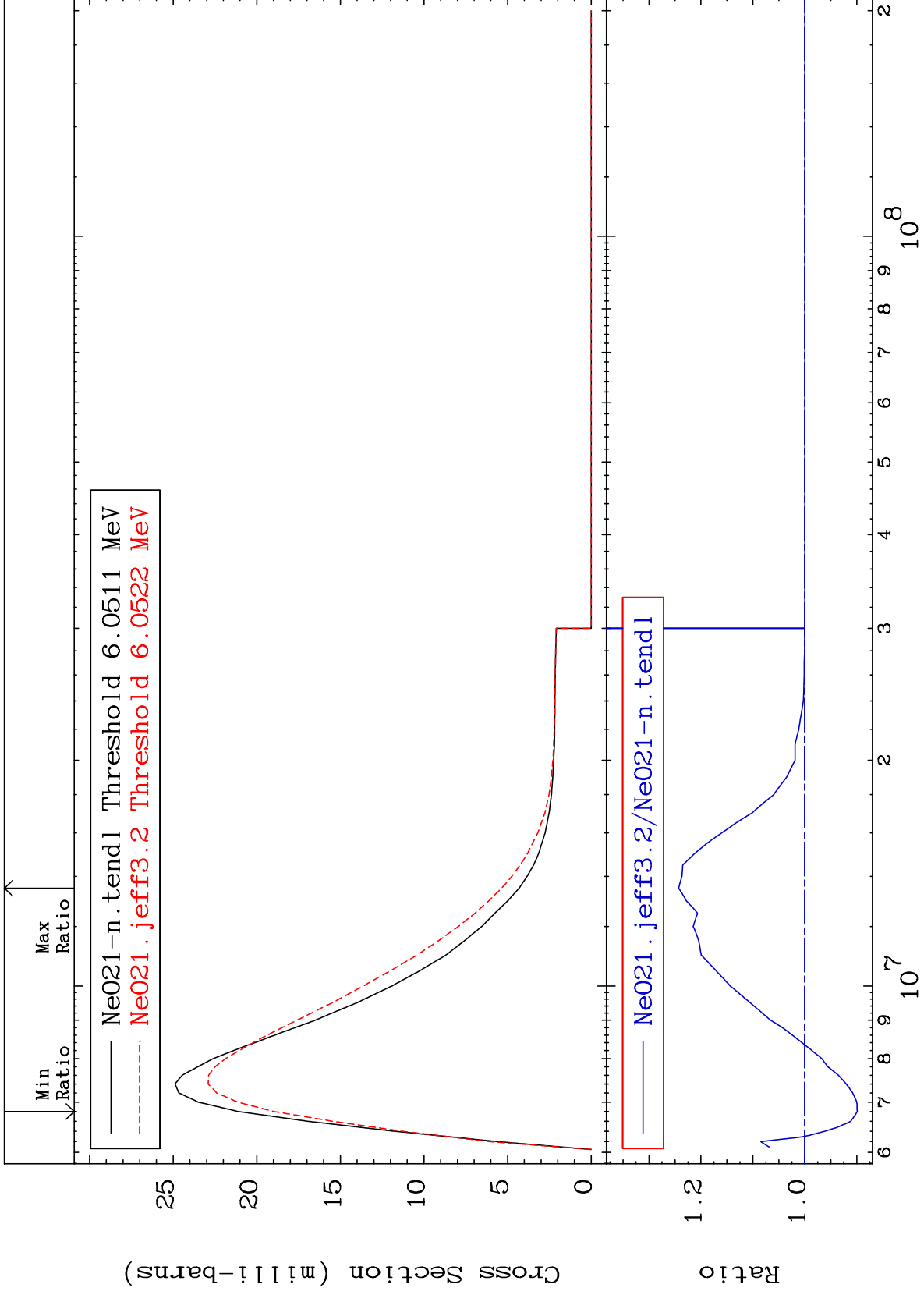
10-Ne-21
-1.206 To 53.44 %



MAT 1028

5.774 MeV (n,n') Level
Cross Section

10-Ne-21
-10.09 To 24.29 %



35

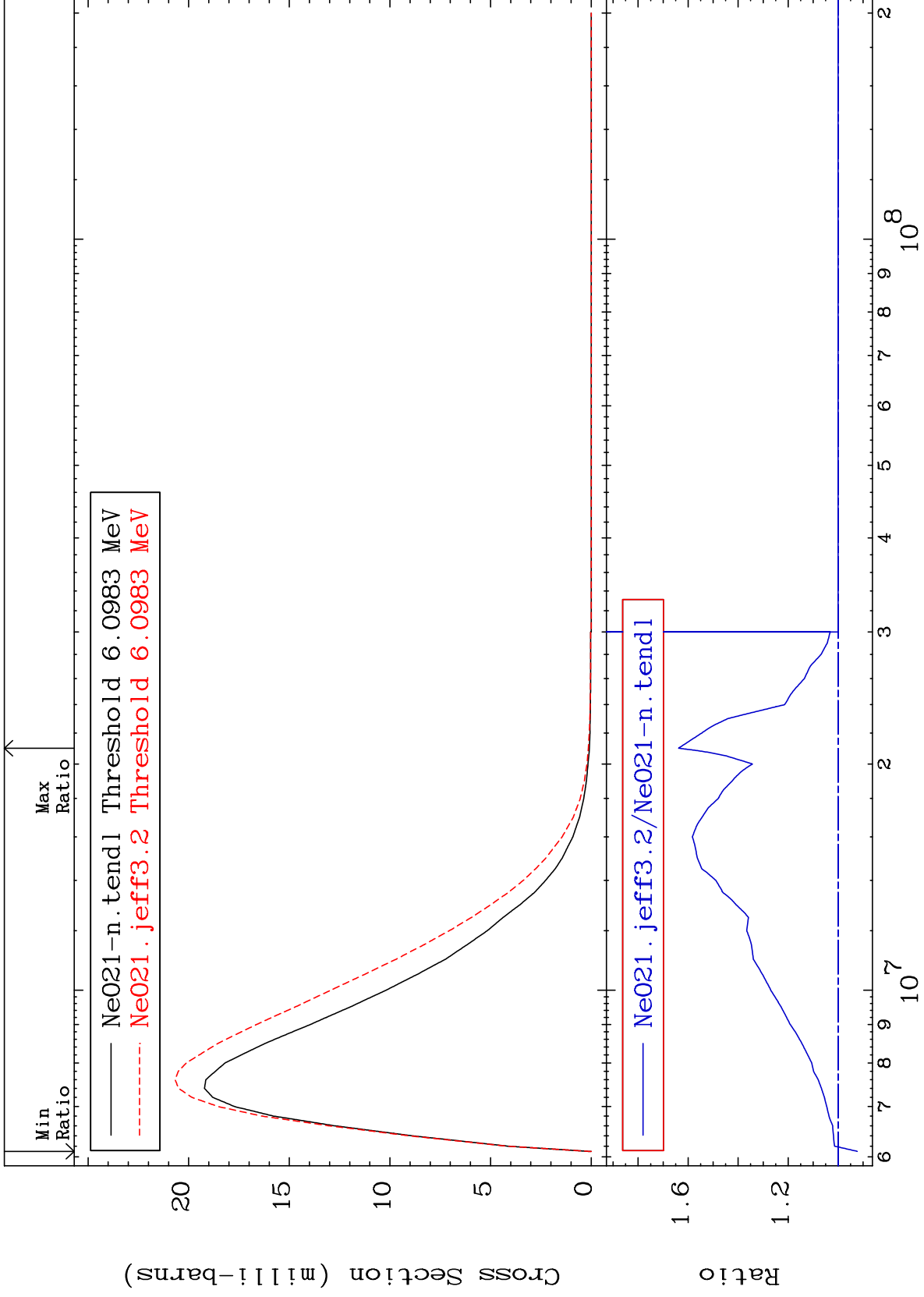
Incident Energy (eV)

10-Ne-21

MAT 1028

5.819 MeV (n,n') Level
Cross Section

10-Ne-21
-7.639 To 63.80 %



36

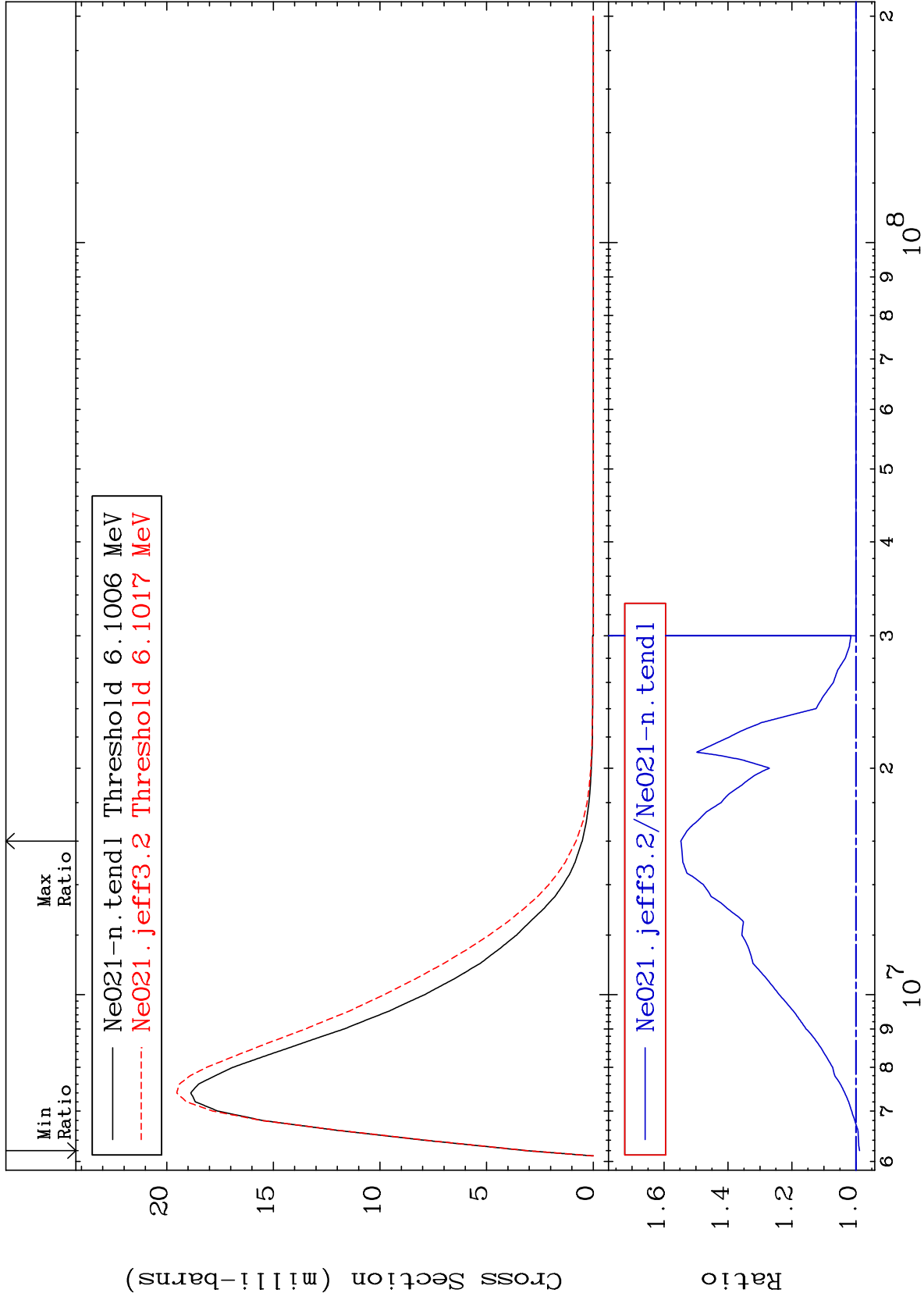
Incident Energy (eV)

10-Ne-21

MAT 1028

5.821 MeV (n,n') Level
Cross Section

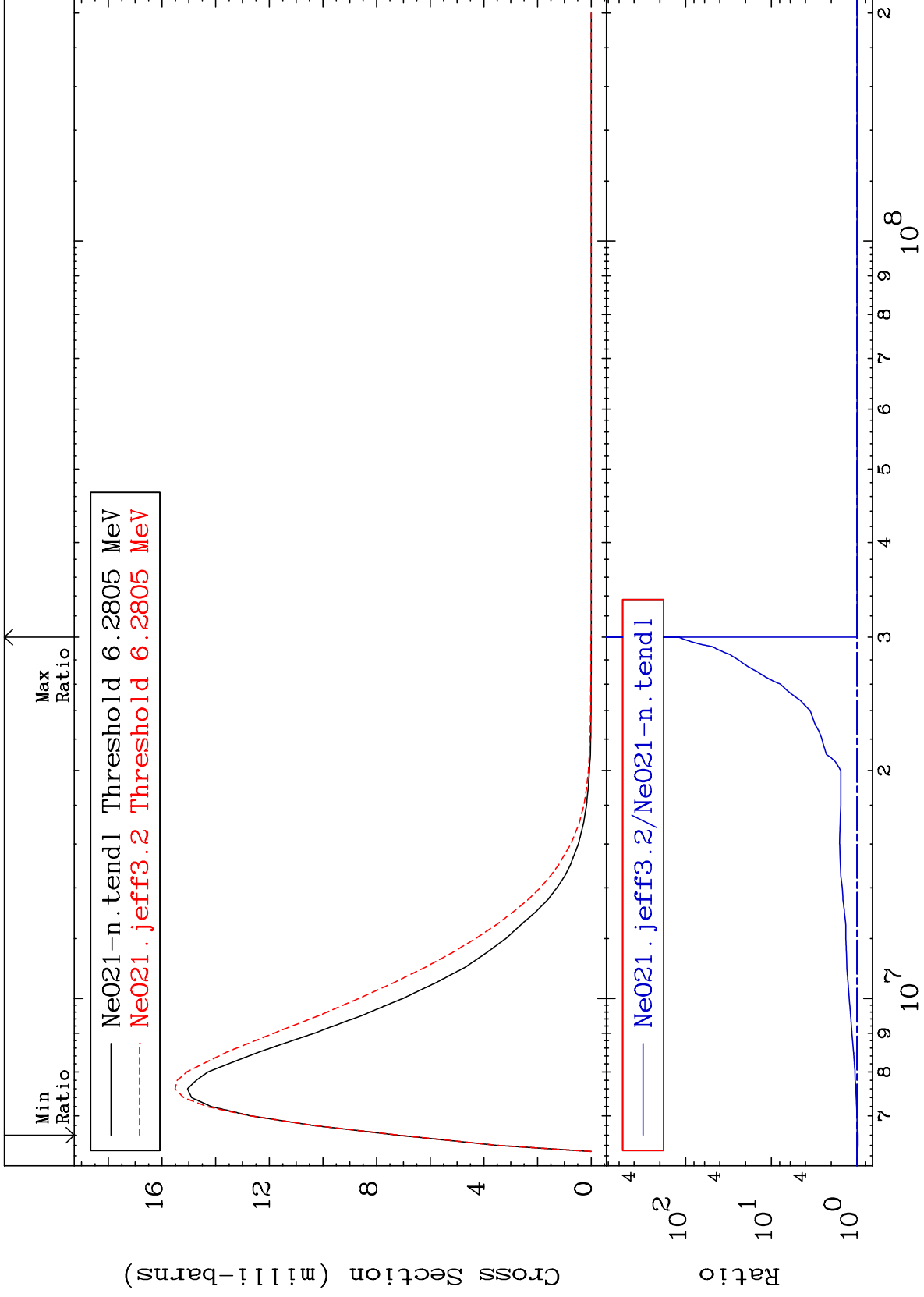
10-Ne-21
-1.131 To 54.75 %



MAT 1028

5.993 MeV (n,n') Level
Cross Section

10-Ne-21
-0.675 To 9999. %



38

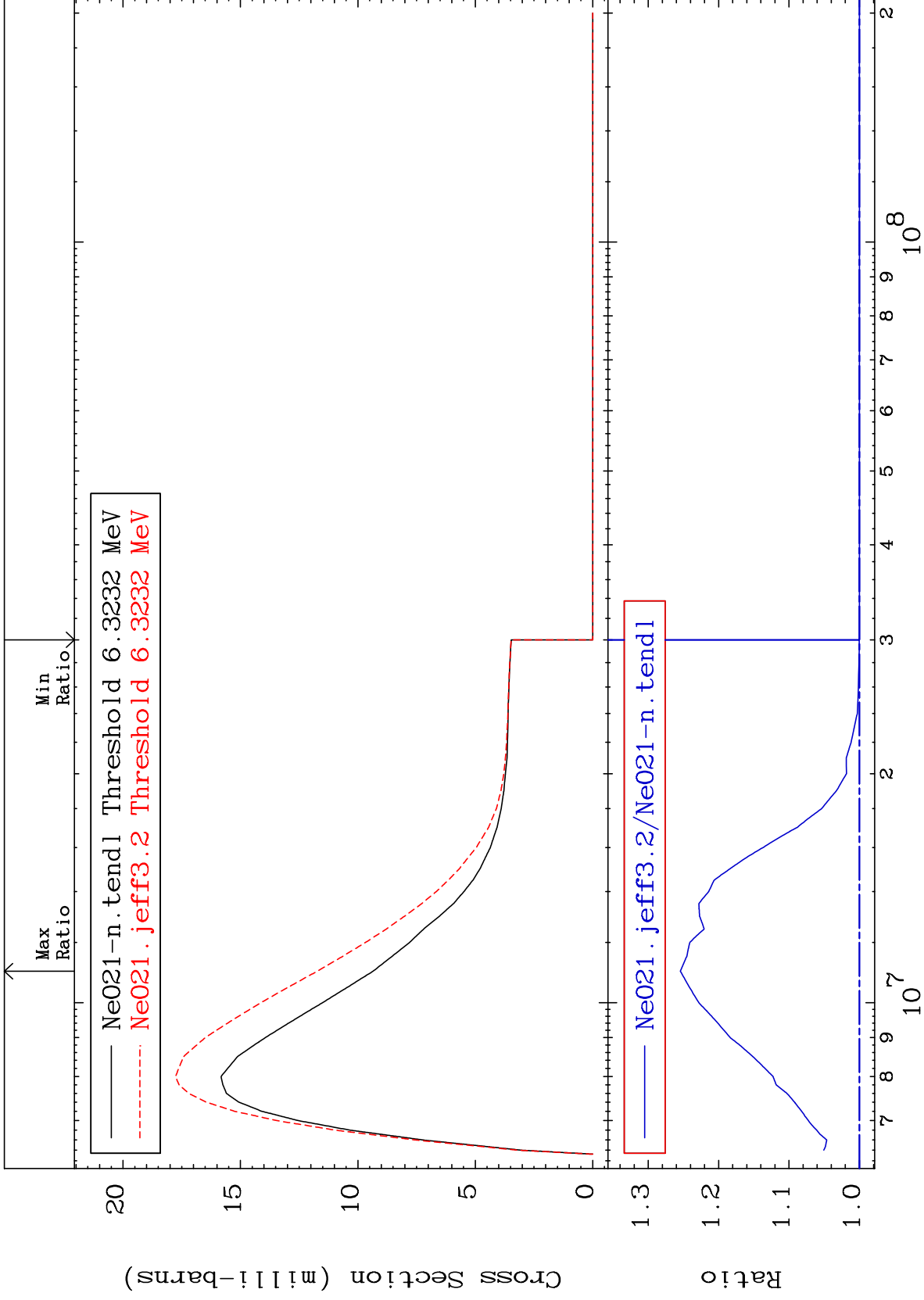
Incident Energy (eV)

10-Ne-21

MAT 1028

6.033 MeV (n,n') Level
Cross Section

10-Ne-21
0.000 To 25.44 %



39

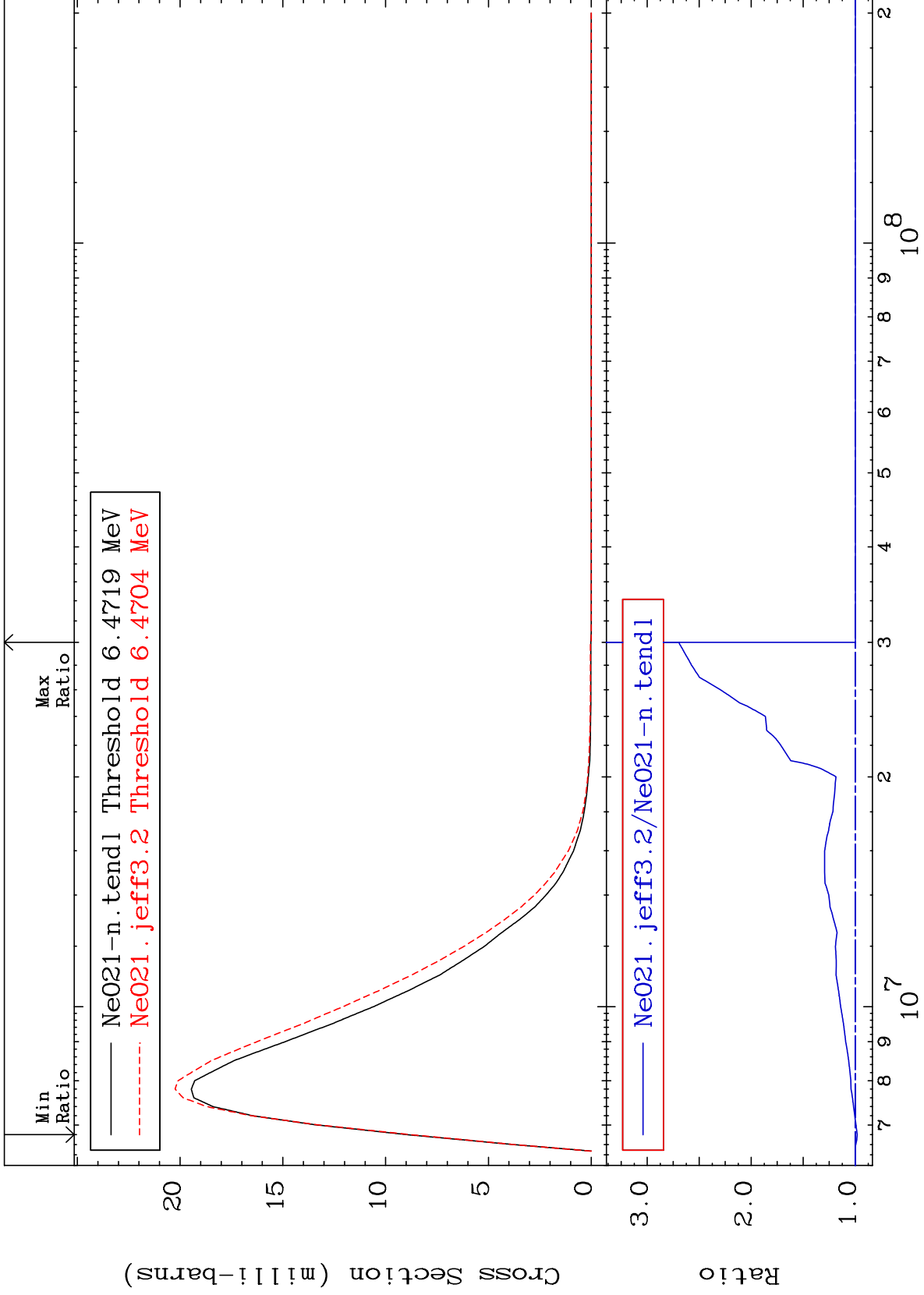
Incident Energy (eV)

10-Ne-21

MAT 1028

6.175 MeV (n,n') Level
Cross Section

10-Ne-21
-1.894 To 169.8 %



40

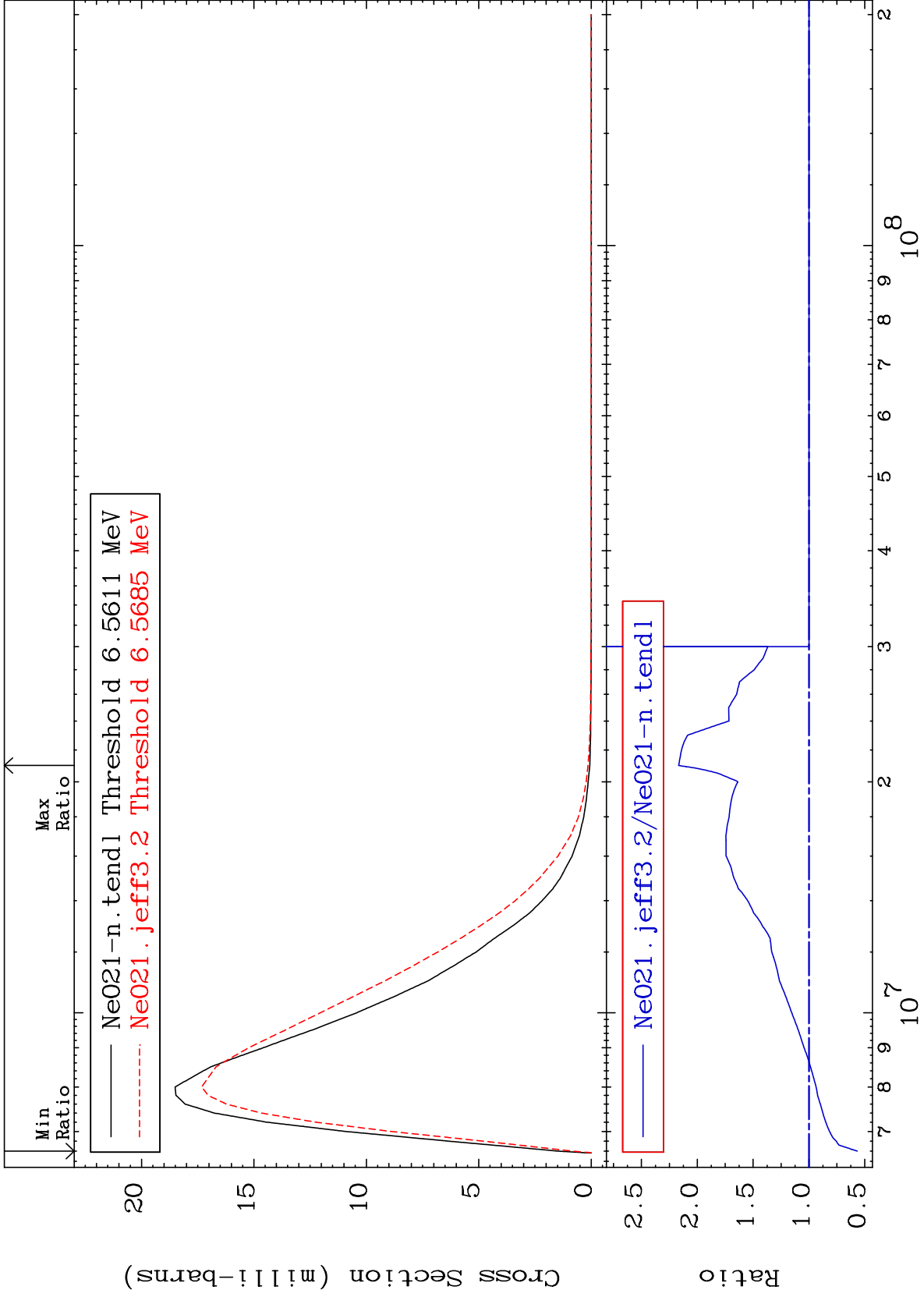
Incident Energy (eV)

10-Ne-21

MAT 1028

6.260 MeV (n,n') Level
Cross Section

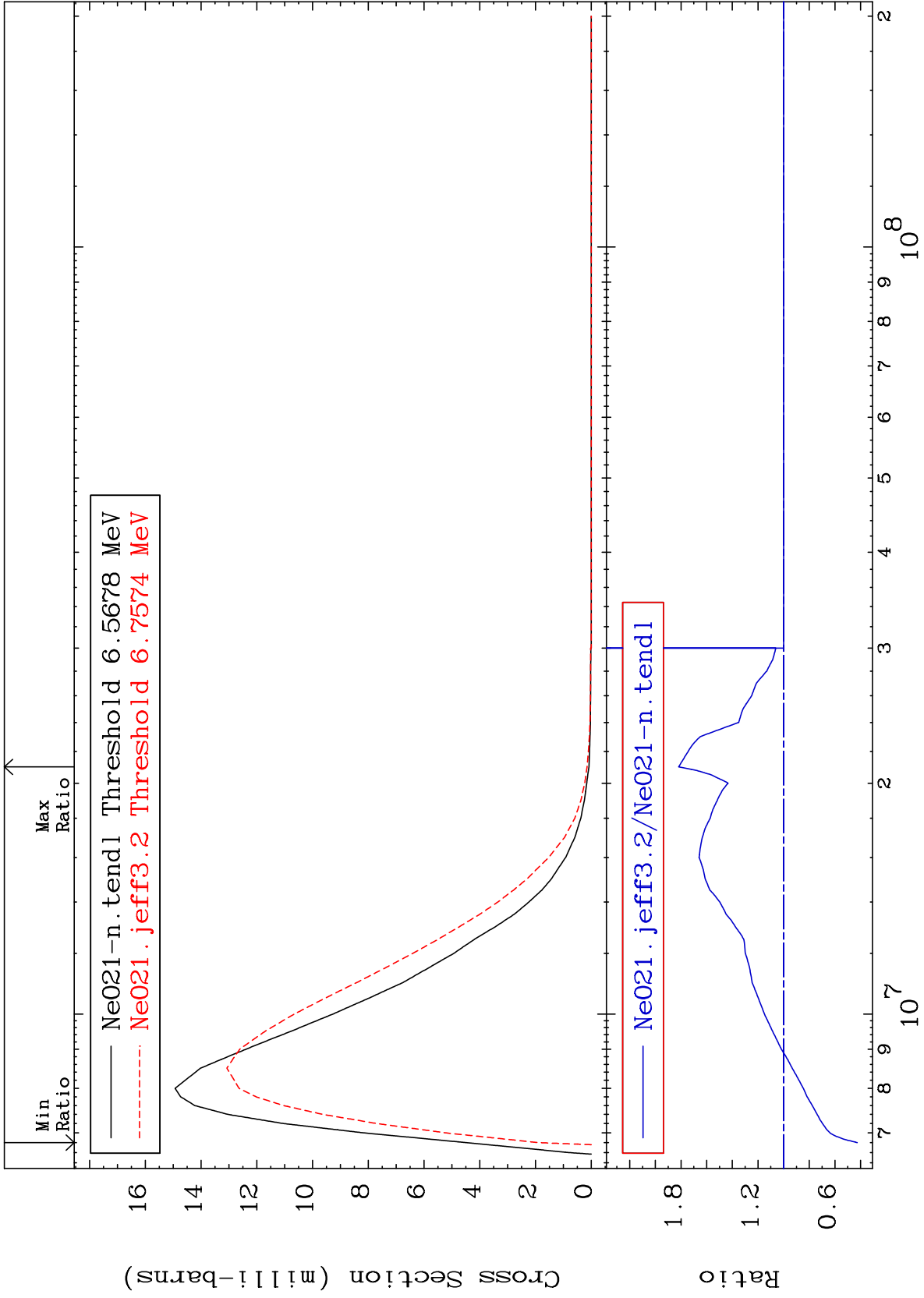
10-Ne-21
-43.23 To 116.7 %



MAT 1028

6.267 MeV (n,n') Level
Cross Section

10-Ne-21
-57.42 To 81.86 %



42

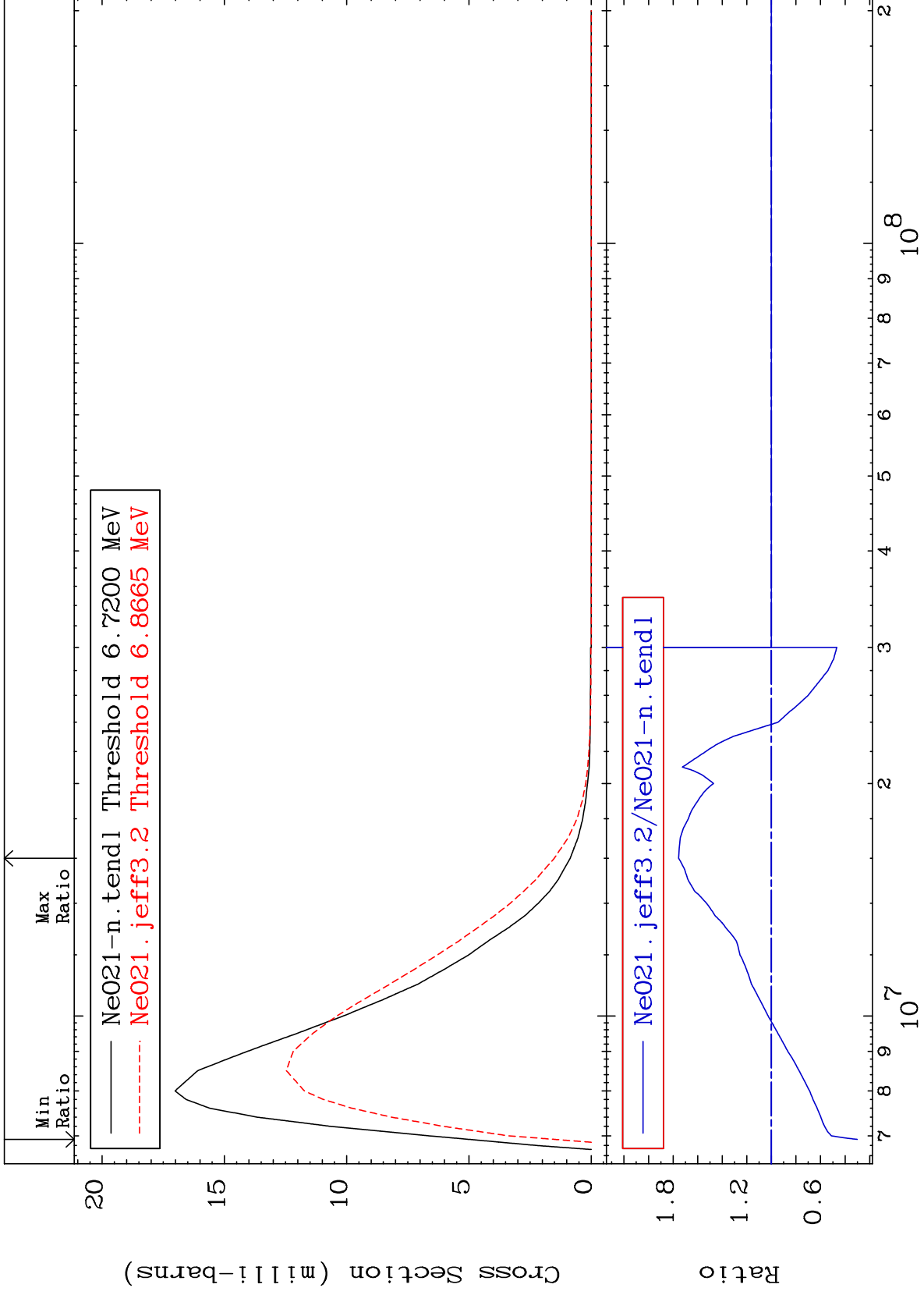
Incident Energy (eV)

10-Ne-21

MAT 1028

6.412 MeV (n,n') Level
Cross Section

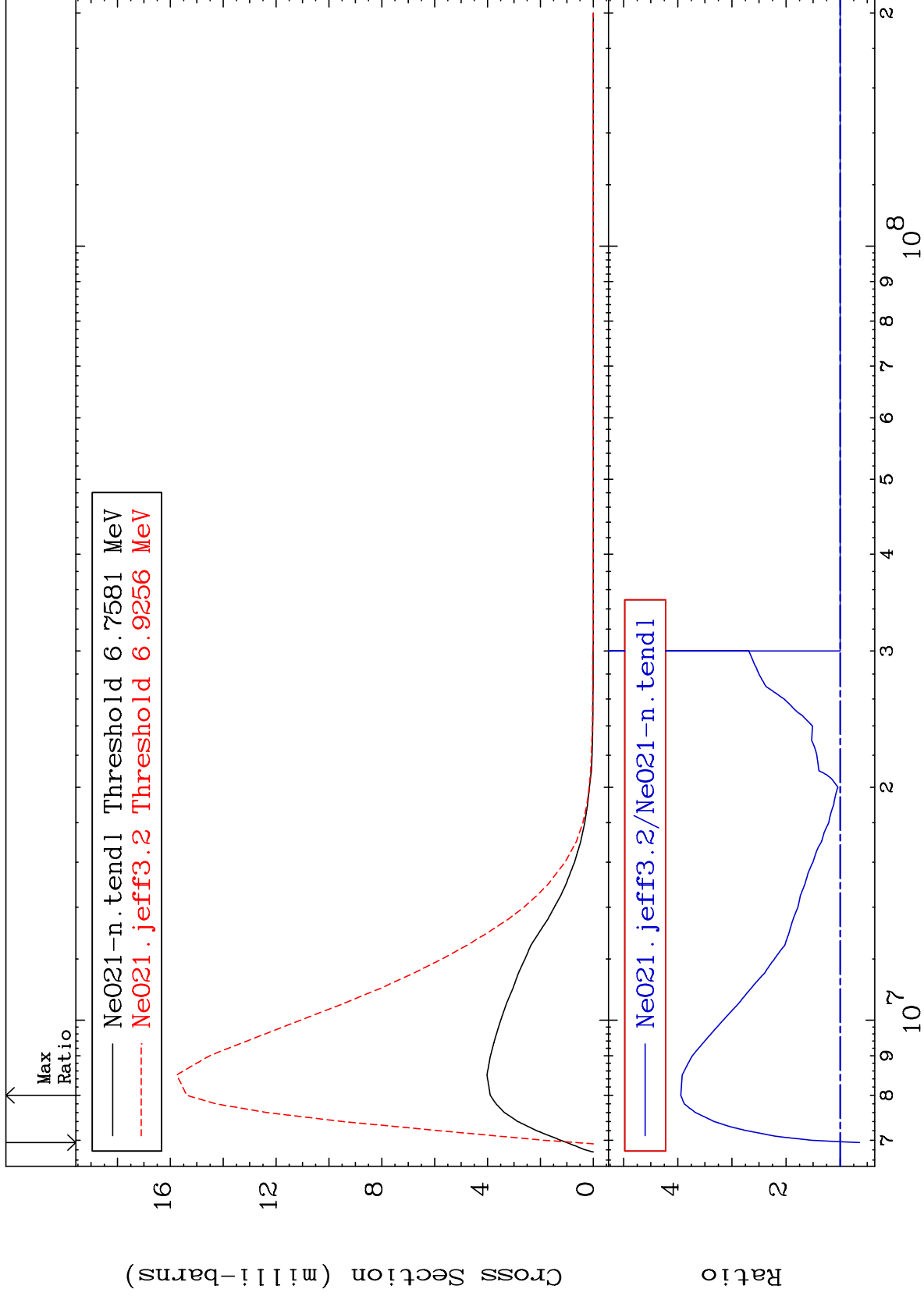
10-Ne-21
-69.89 To 75.51 %



MAT 1028

6.448 MeV (n,n') Level
Cross Section

10-Ne-21
-35.78 To 294.5 %



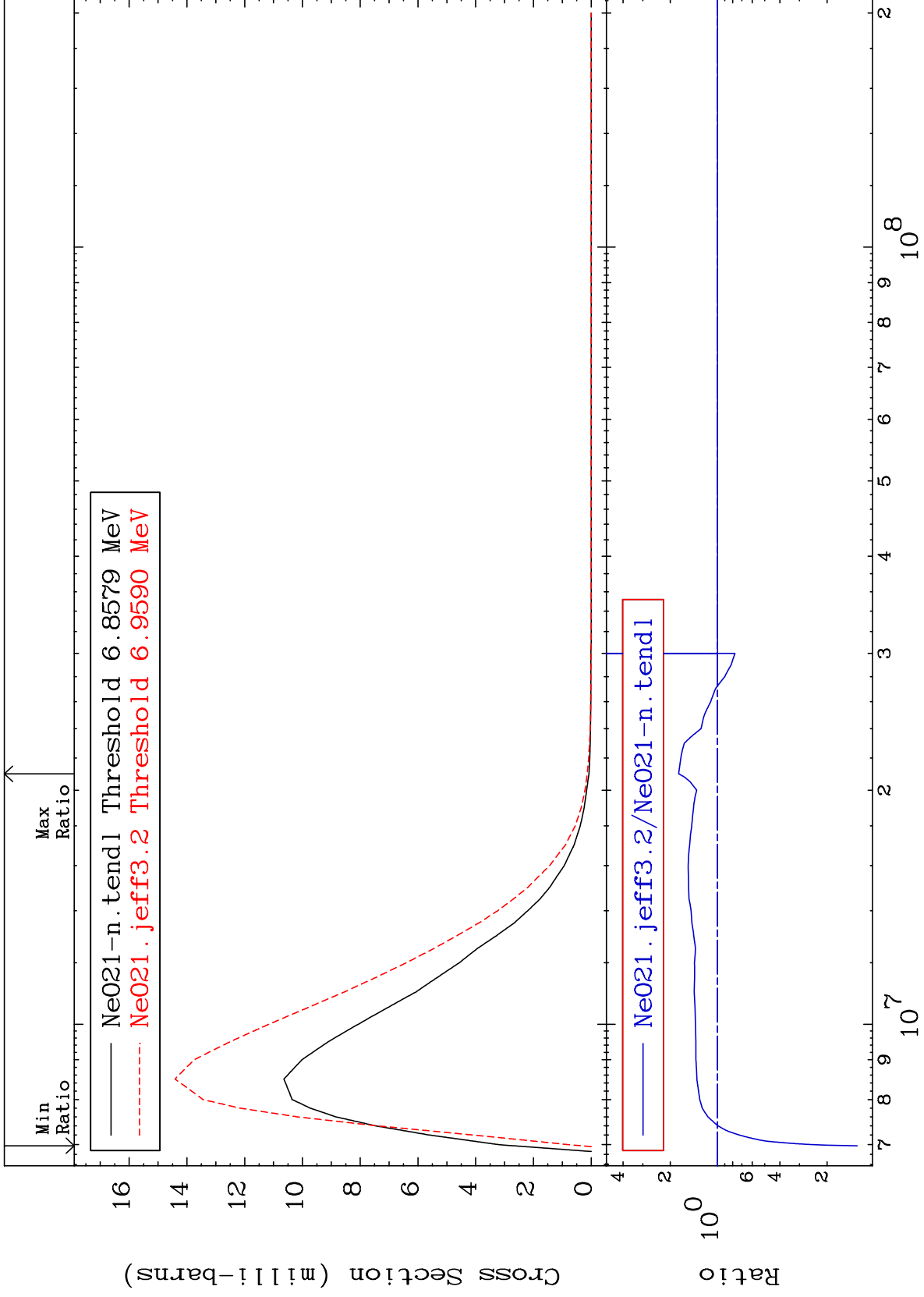
44

10-Ne-21

MAT 1028

6.544 MeV (n,n') Level
Cross Section

10-Ne-21
-87.17 To 76.98 %



45

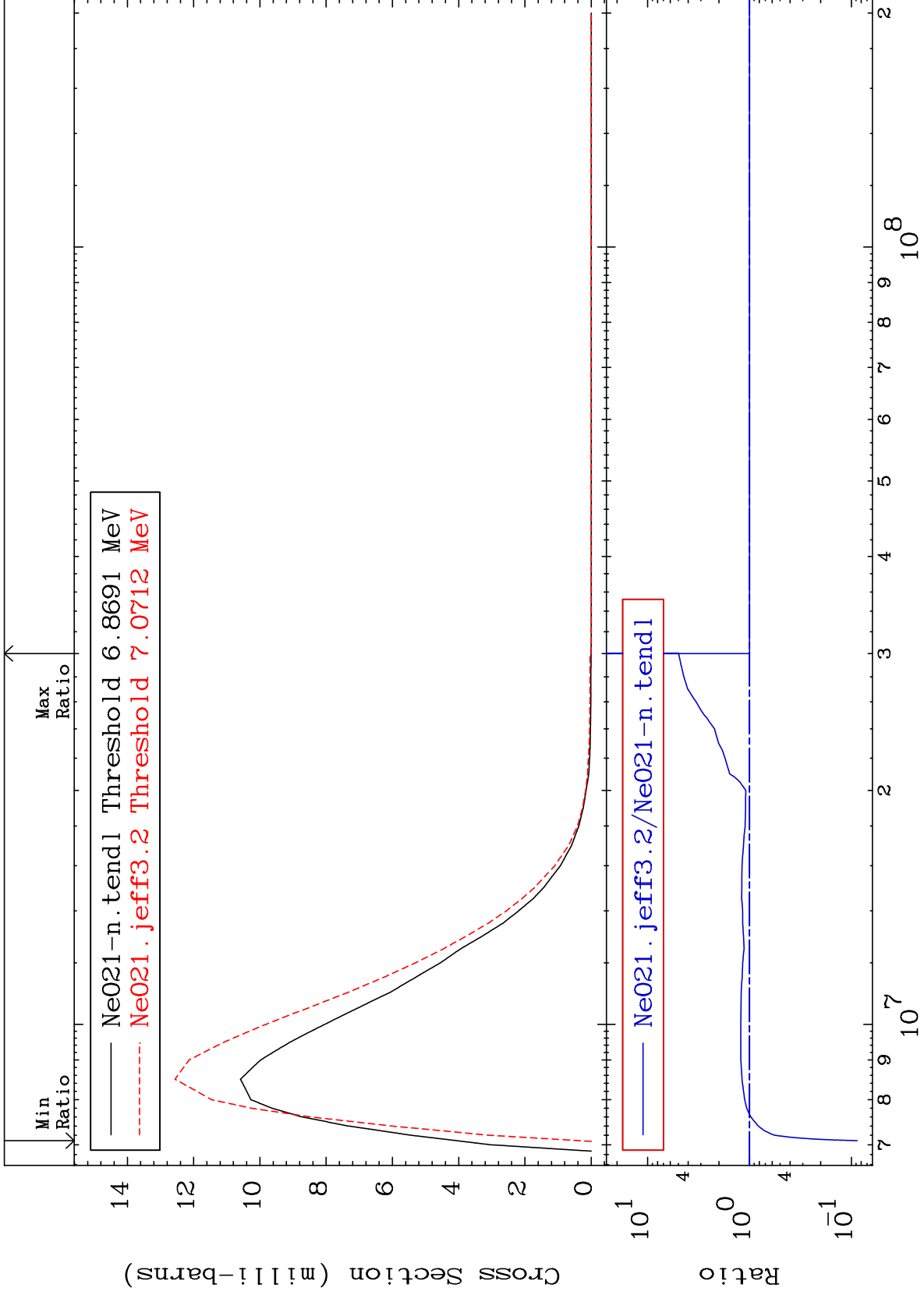
10-Ne-21

10-Ne-21

MAT 1028

6.554 MeV (n, n') Level
Cross Section

10-Ne-21
-91.25 To 396.5 %



46

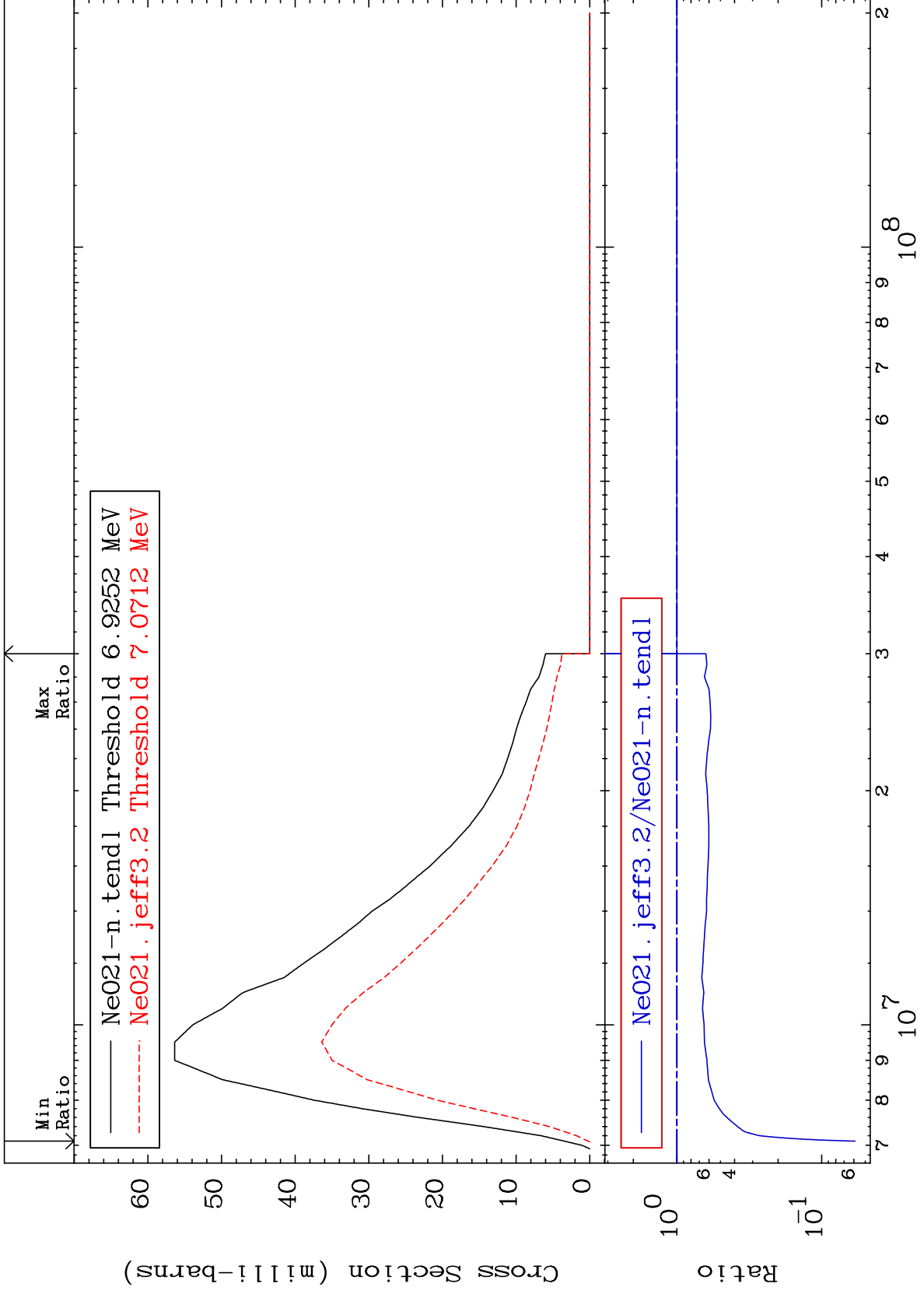
10-Ne-21

10-Ne-21

MAT 1028

(n, n') Continuum
Cross Section

10-Ne-21
-94.12 To 0.000 %



47

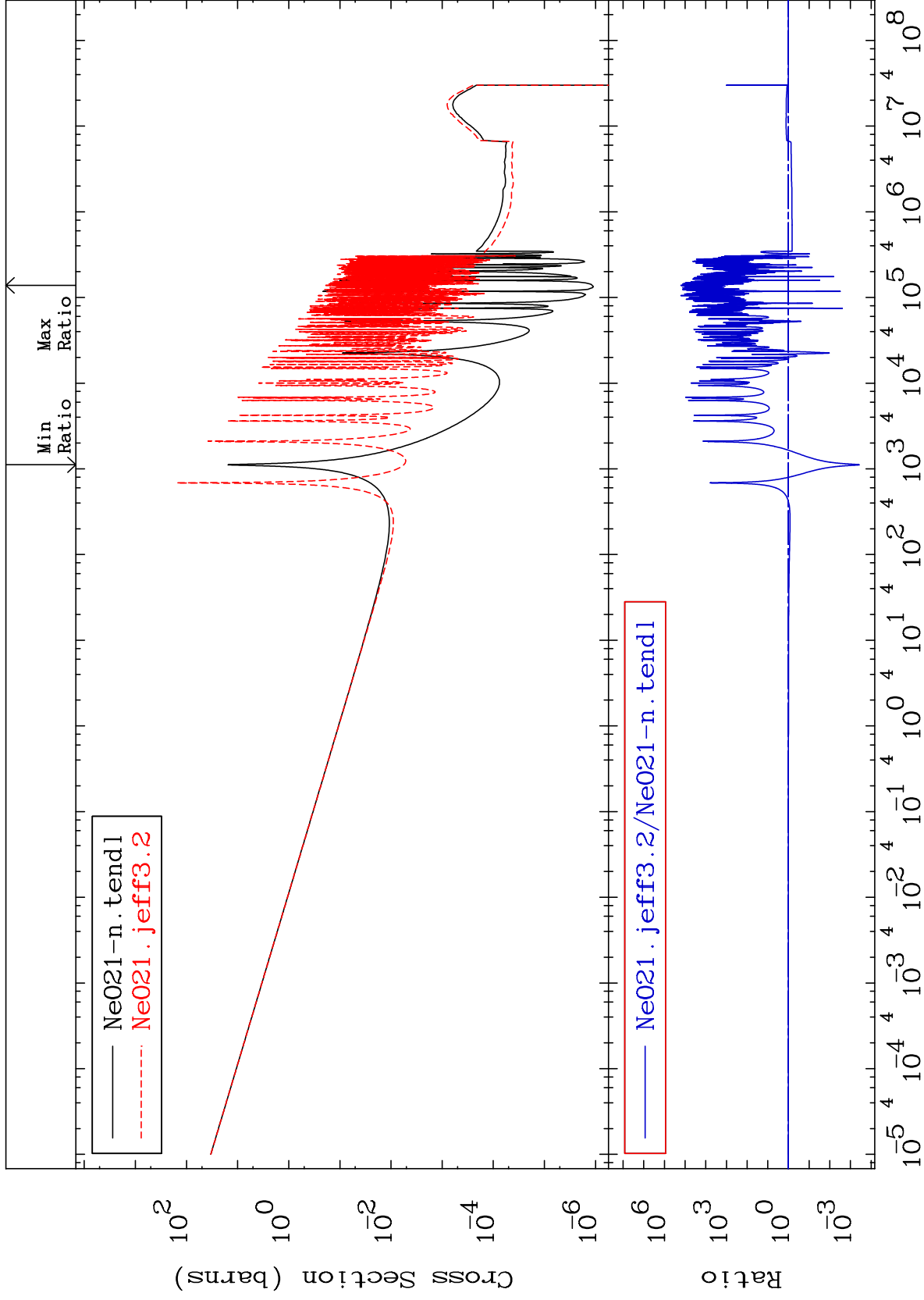
Incident Energy (eV)

10-Ne-21

MAT 1028

(n, γ)
Cross Section

10-Ne-21
-99.96 To 9999. %



48

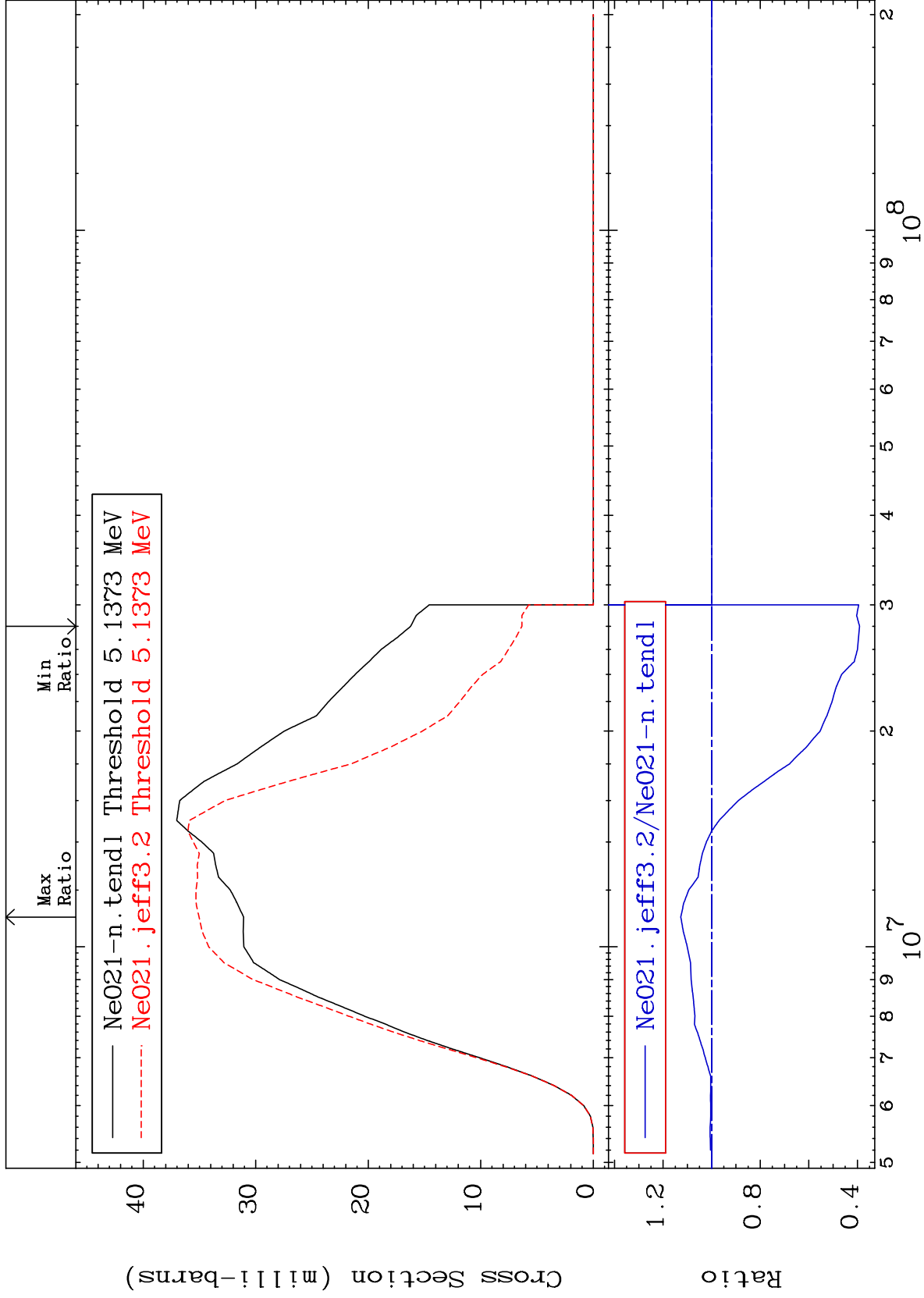
Incident Energy (eV)

10-Ne-21

MAT 1028

(n,p)
Cross Section

10-Ne-21
-60.90 To 12.73 %



MAT 1028

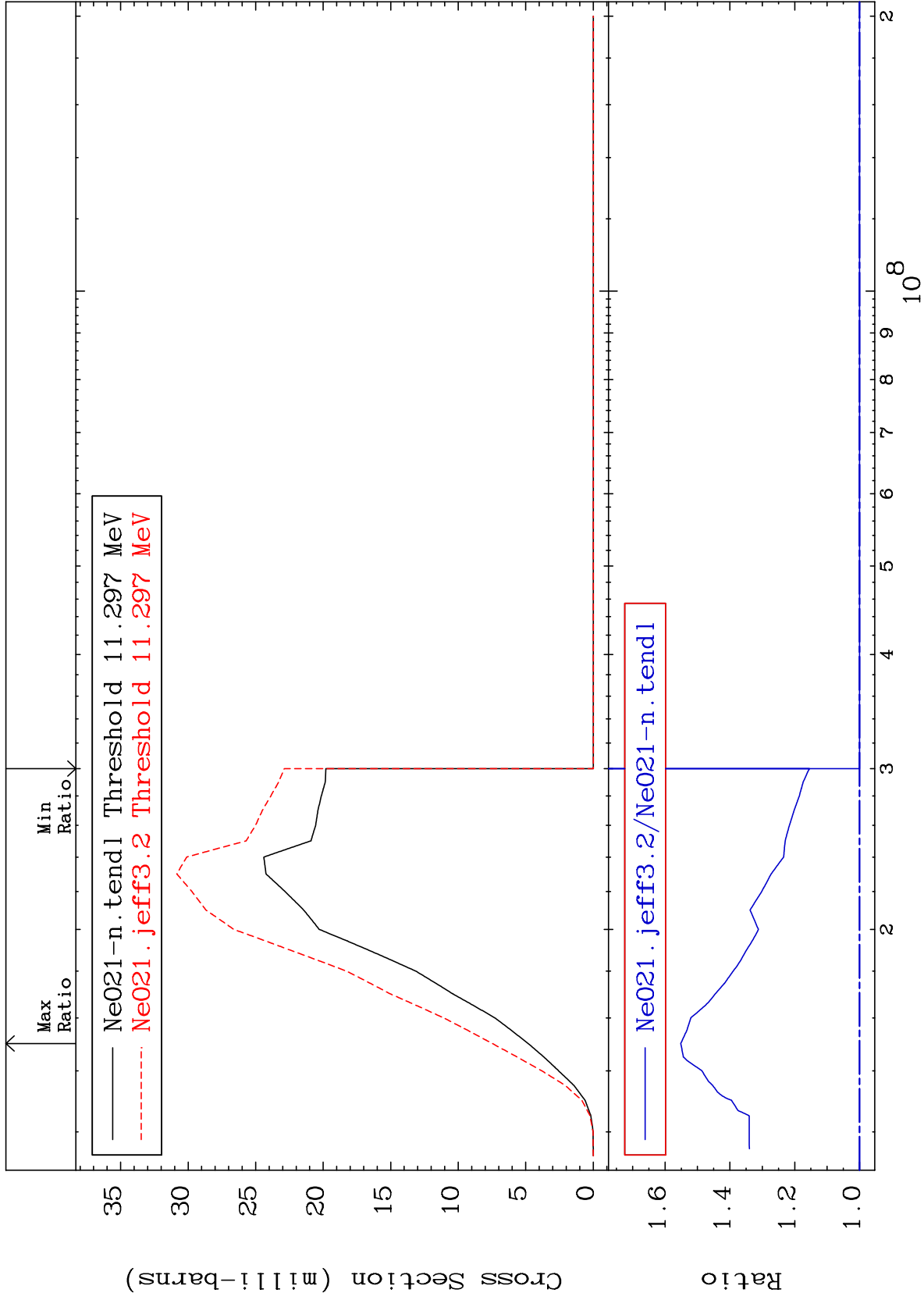
(n, d)

10-Ne-21

Cross Section

0.000

To 55.15 %



50

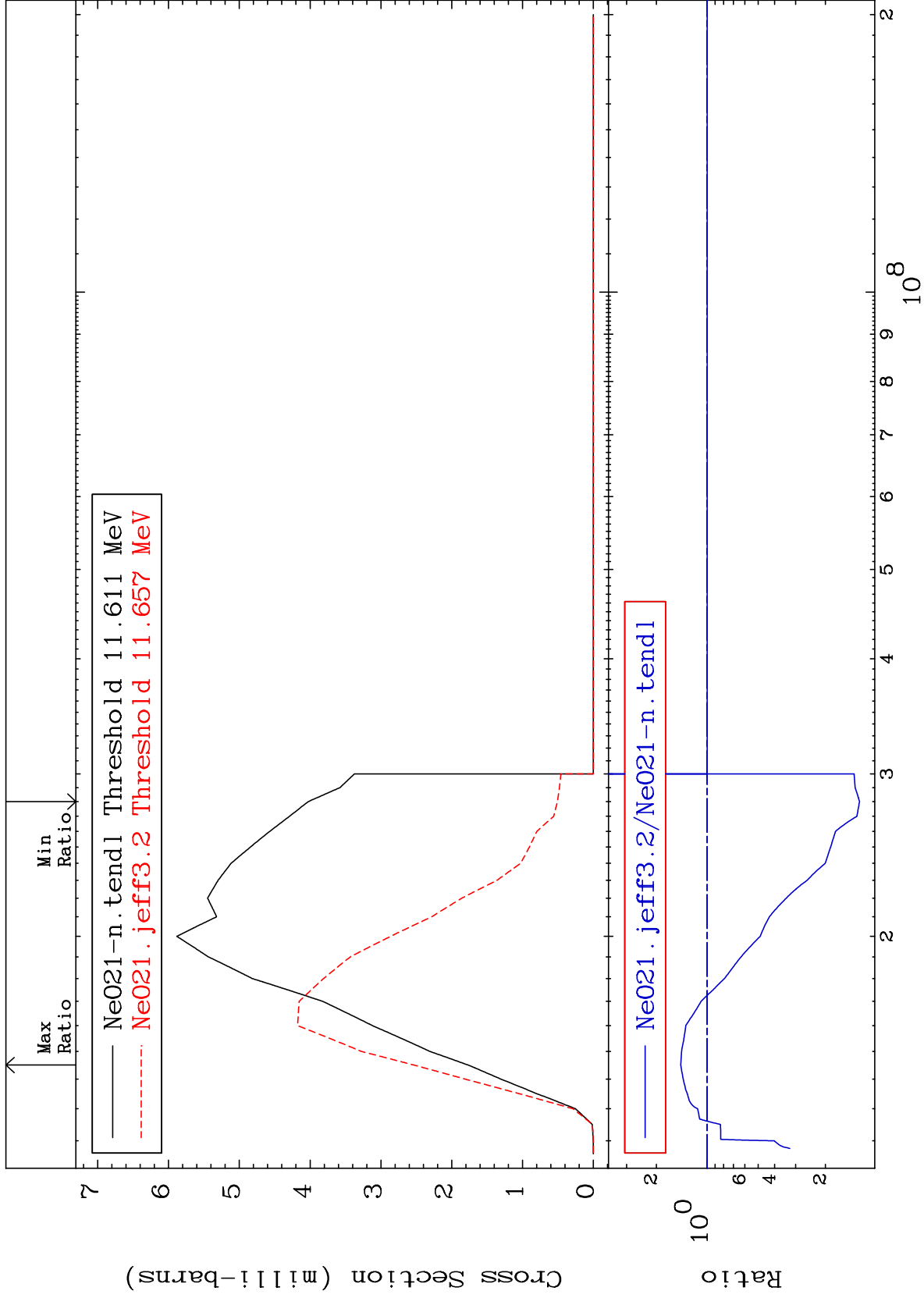
Incident Energy (eV)

10-Ne-21

MAT 1028

(n, t)
Cross Section

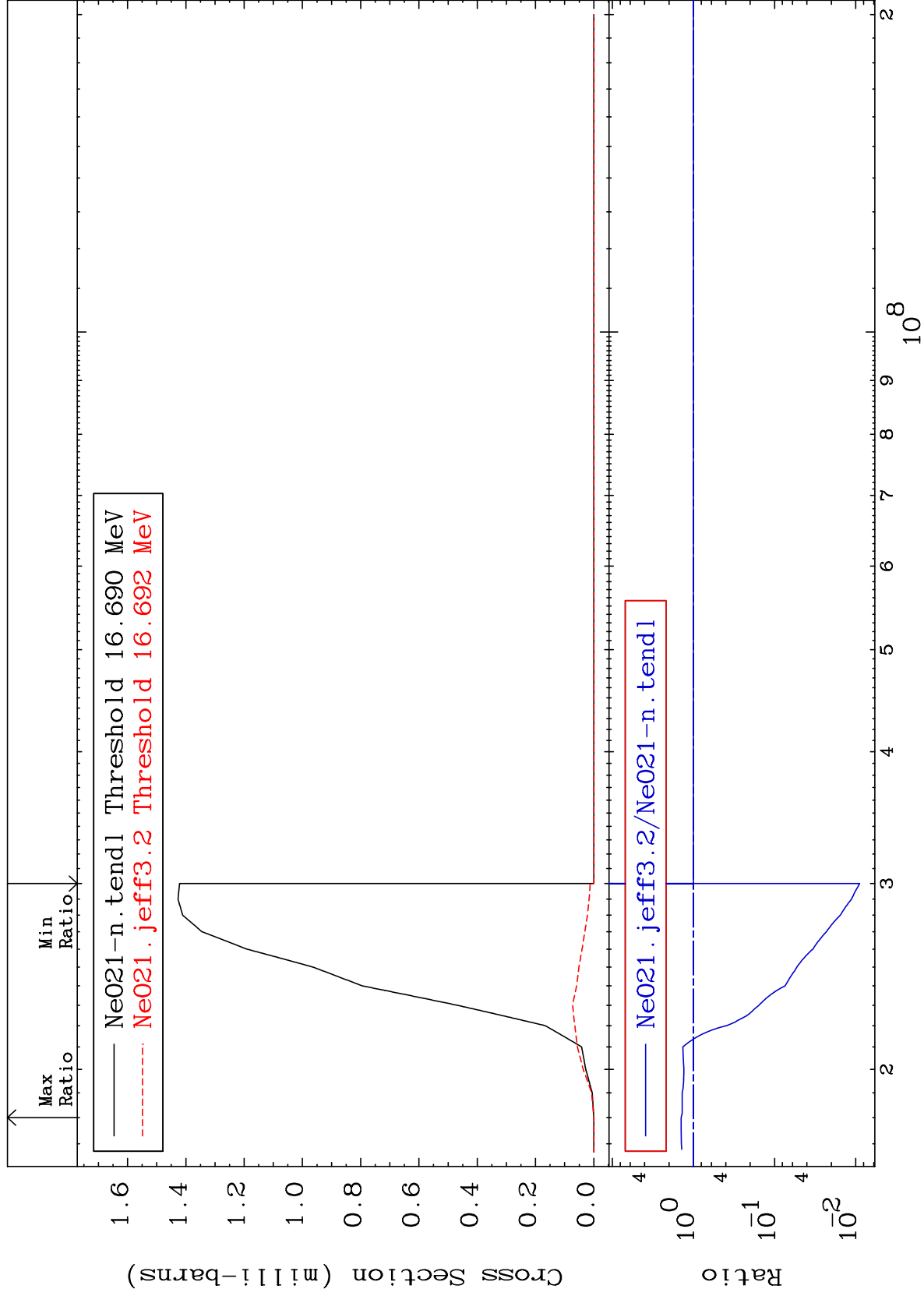
10-Ne-21
-87.43 To 43.40 %



51

Incident Energy (eV)

10-Ne-21



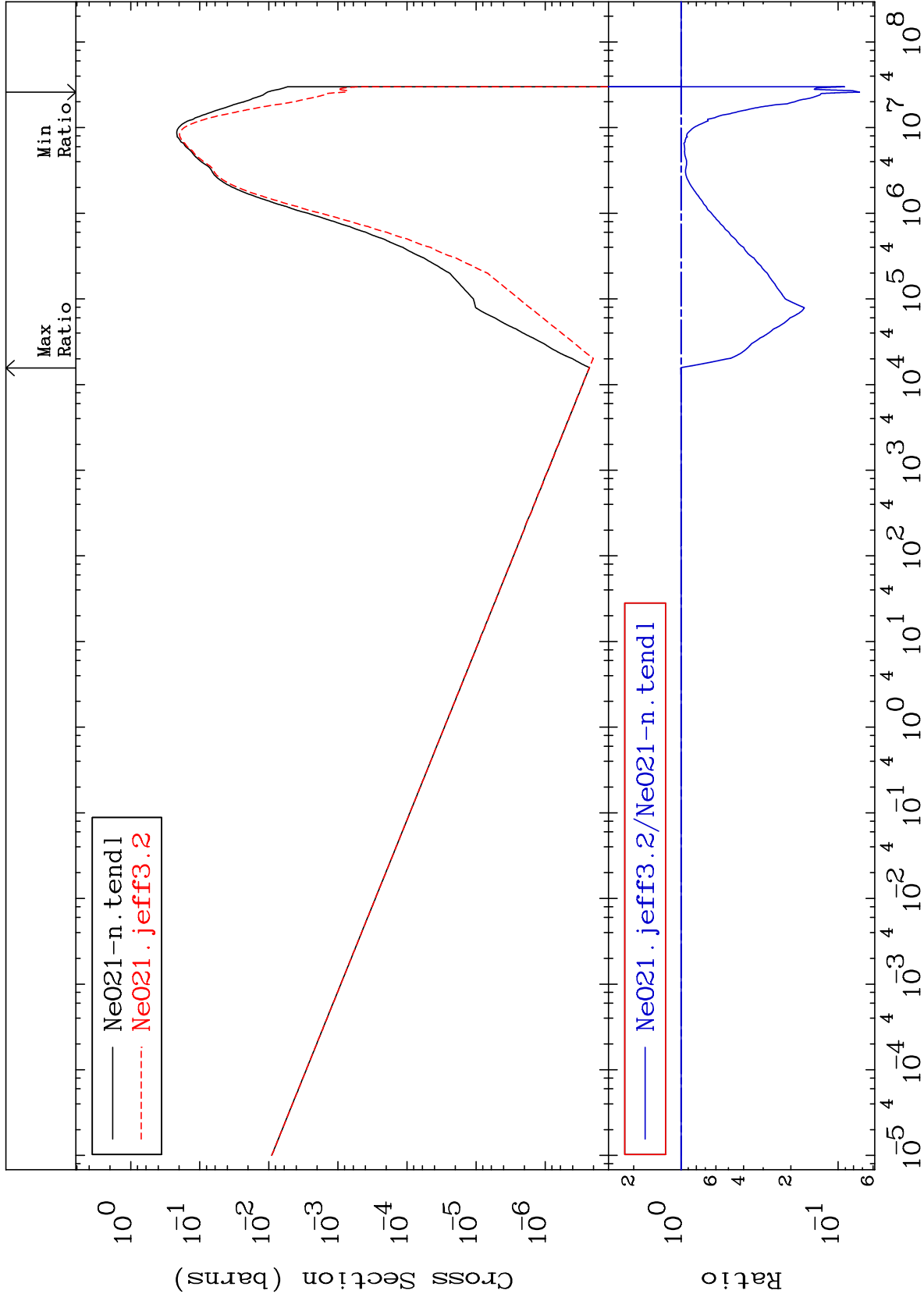
MAT 1028

(n, α)

10-Ne-21

Cross Section

-92.69 To 0.397 %



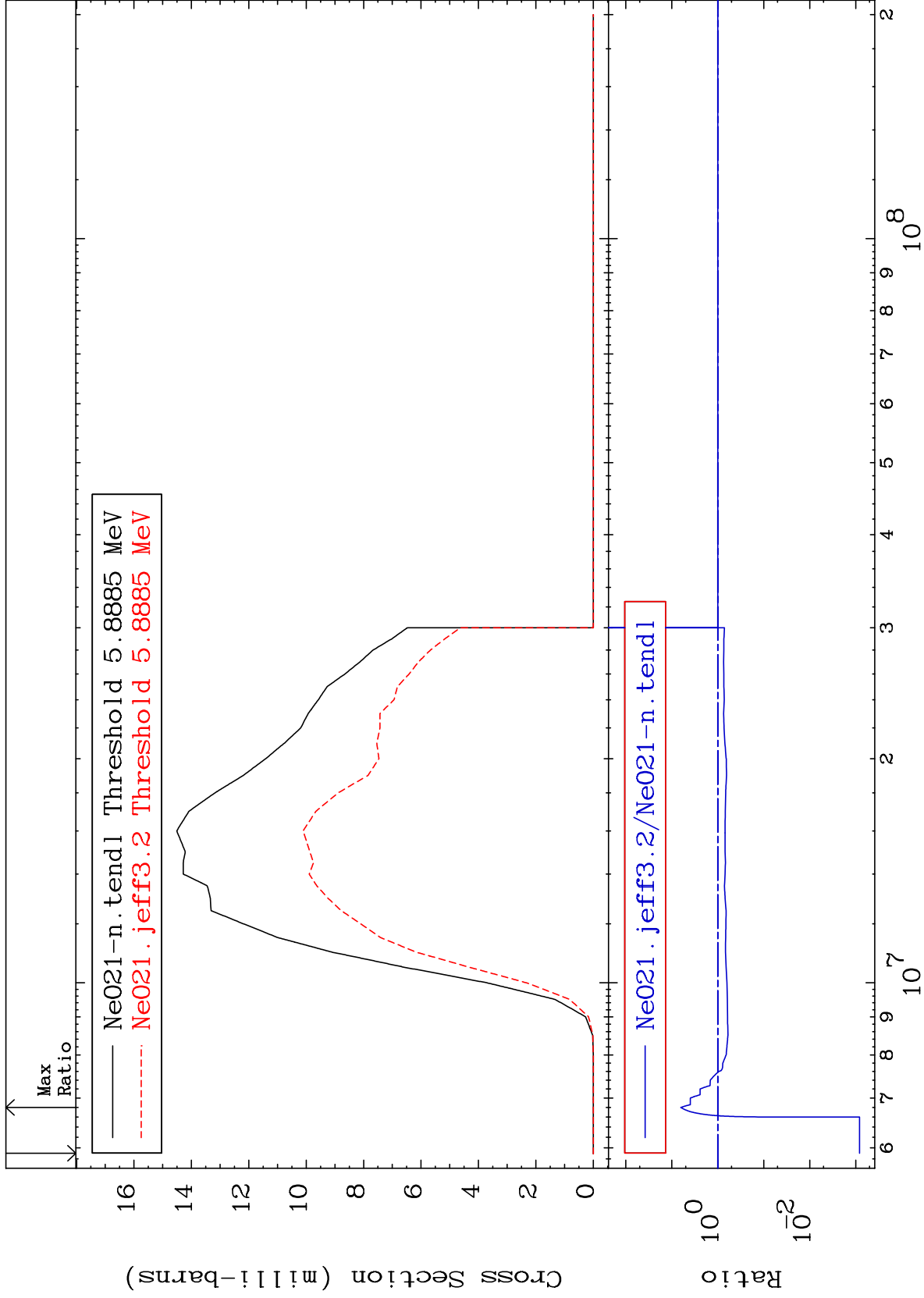
MAT 1028

(n,2α)

10-Ne-21

Cross Section

-99.92 To 537.4 %



54

Incident Energy (eV)

10-Ne-21

MAT 1028

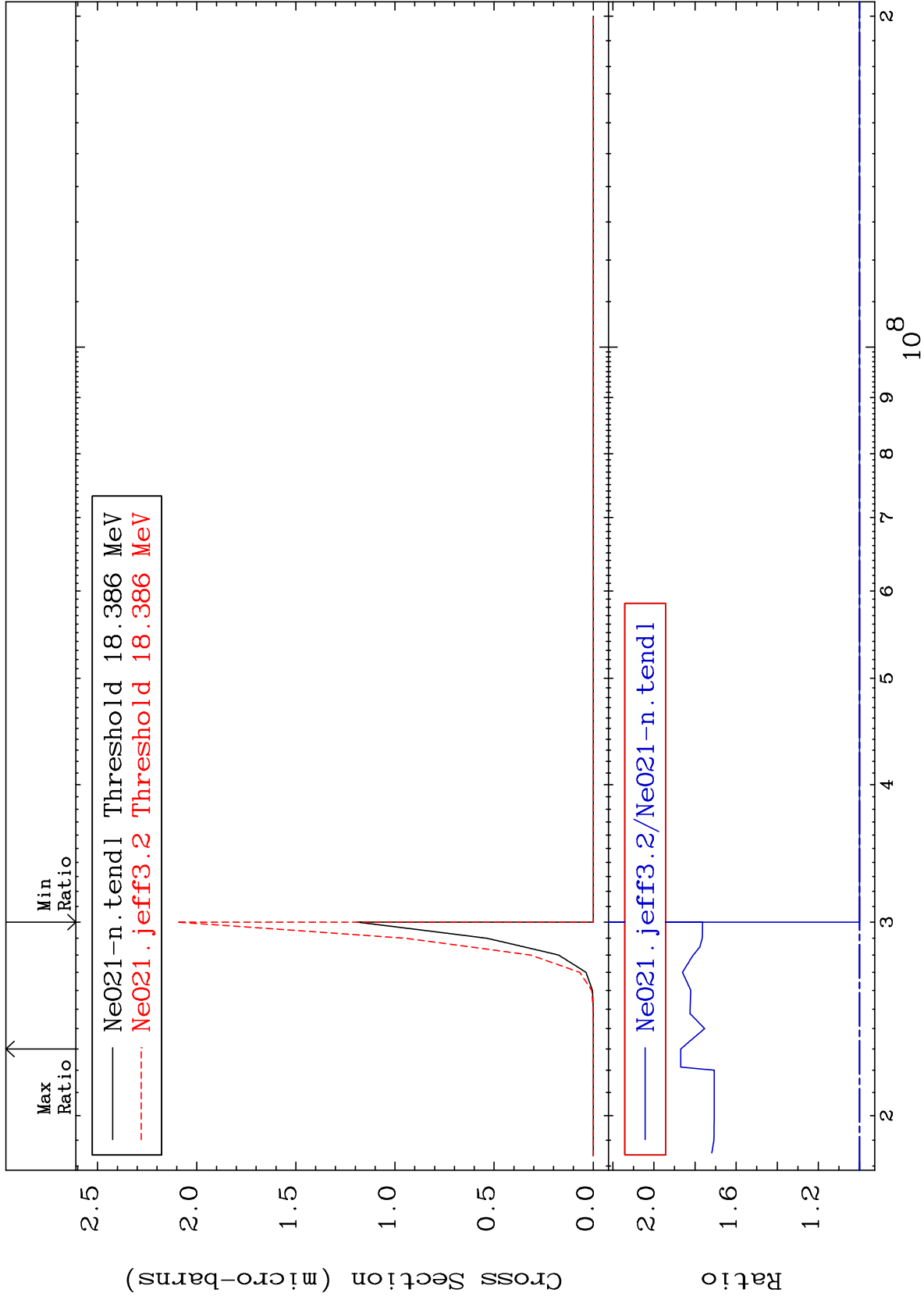
(n, 3α)

10-Ne-21

Cross Section

0.000

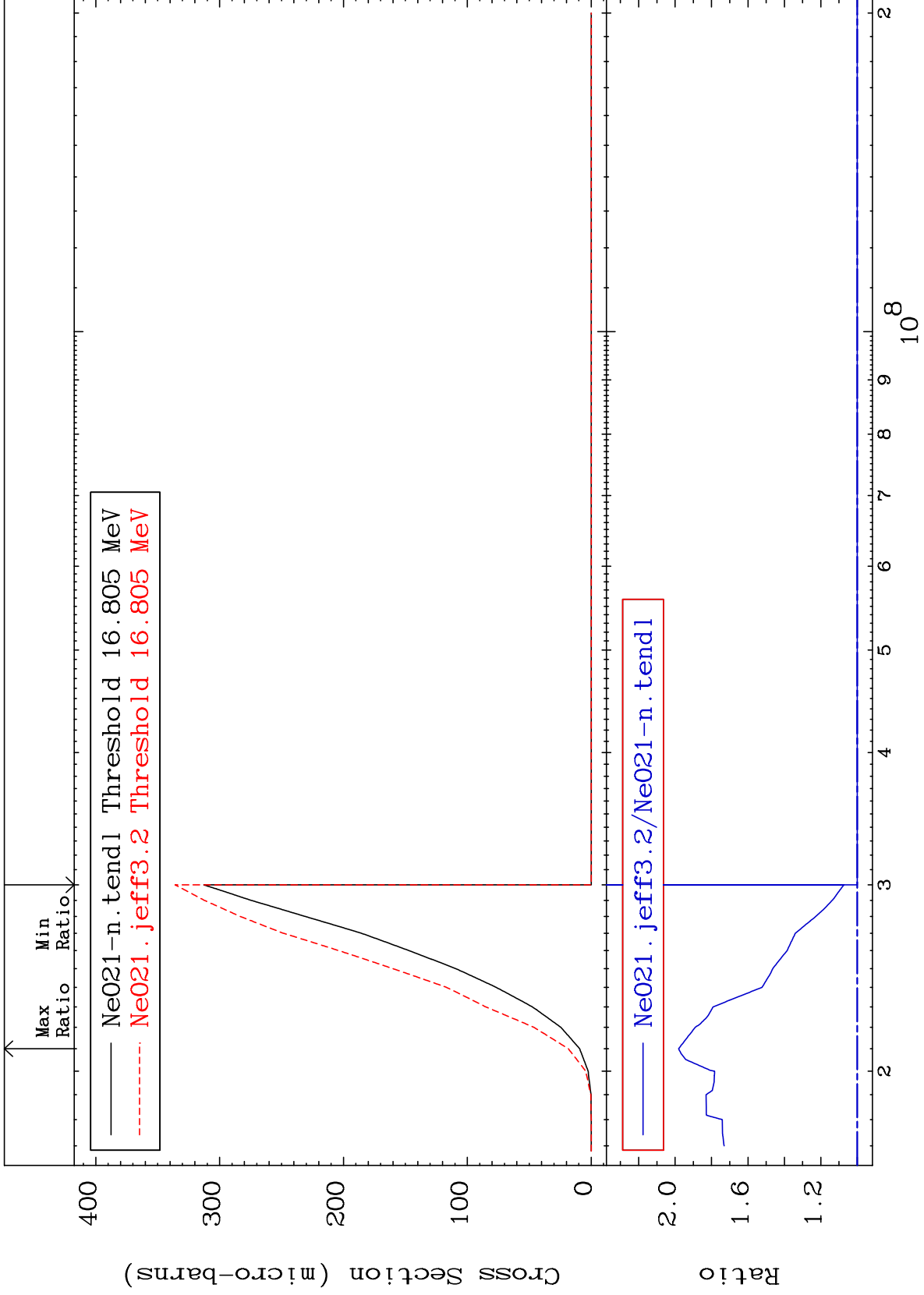
To 86.96 %



MAT 1028

(n,2p)
Cross Section

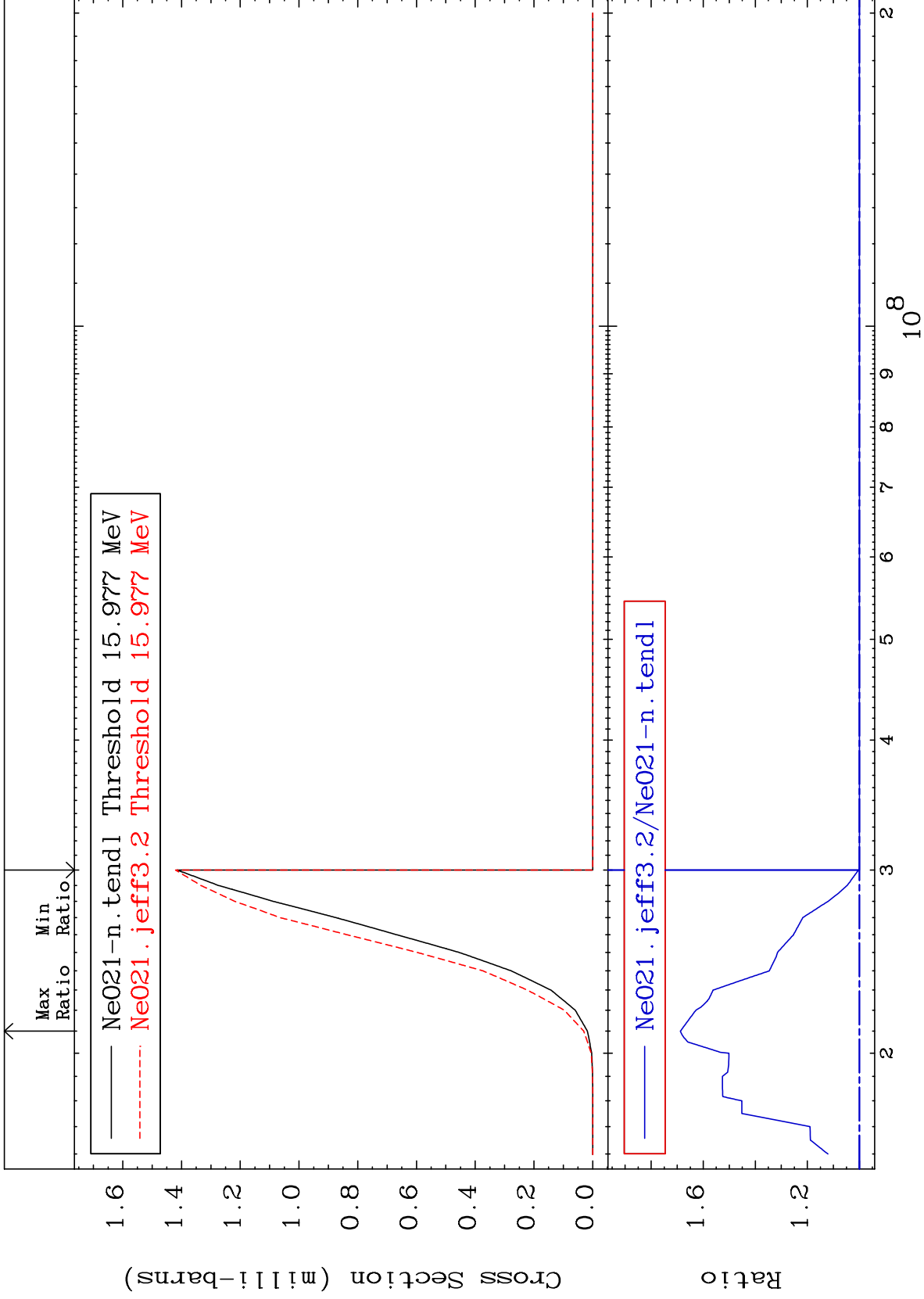
10-Ne-21
0.000 To 98.06 %



MAT 1028

(n,p) α
Cross Section

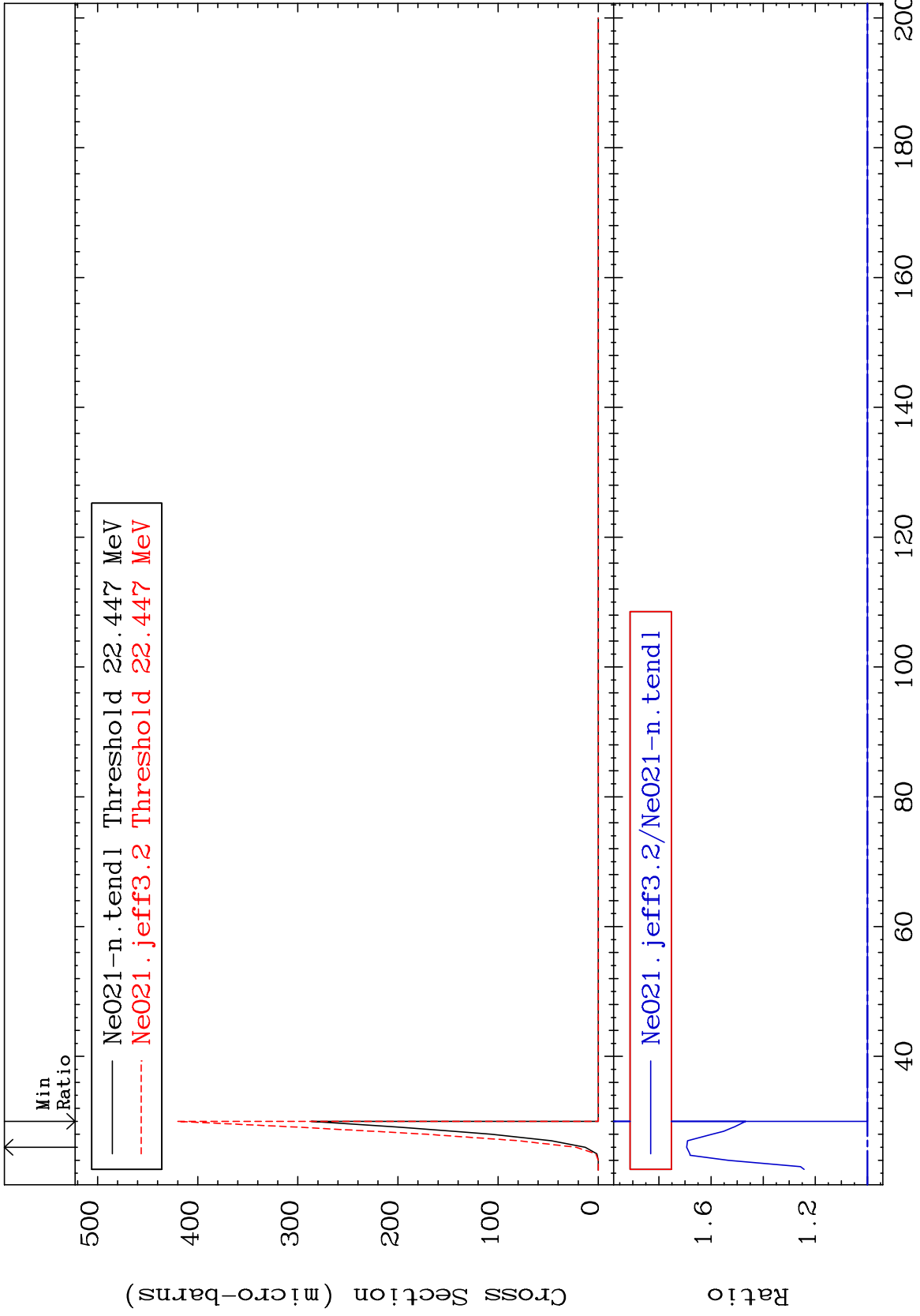
10-Ne-21
0.000 To 68.79 %



MAT 1028

(n, p) d
Cross Section

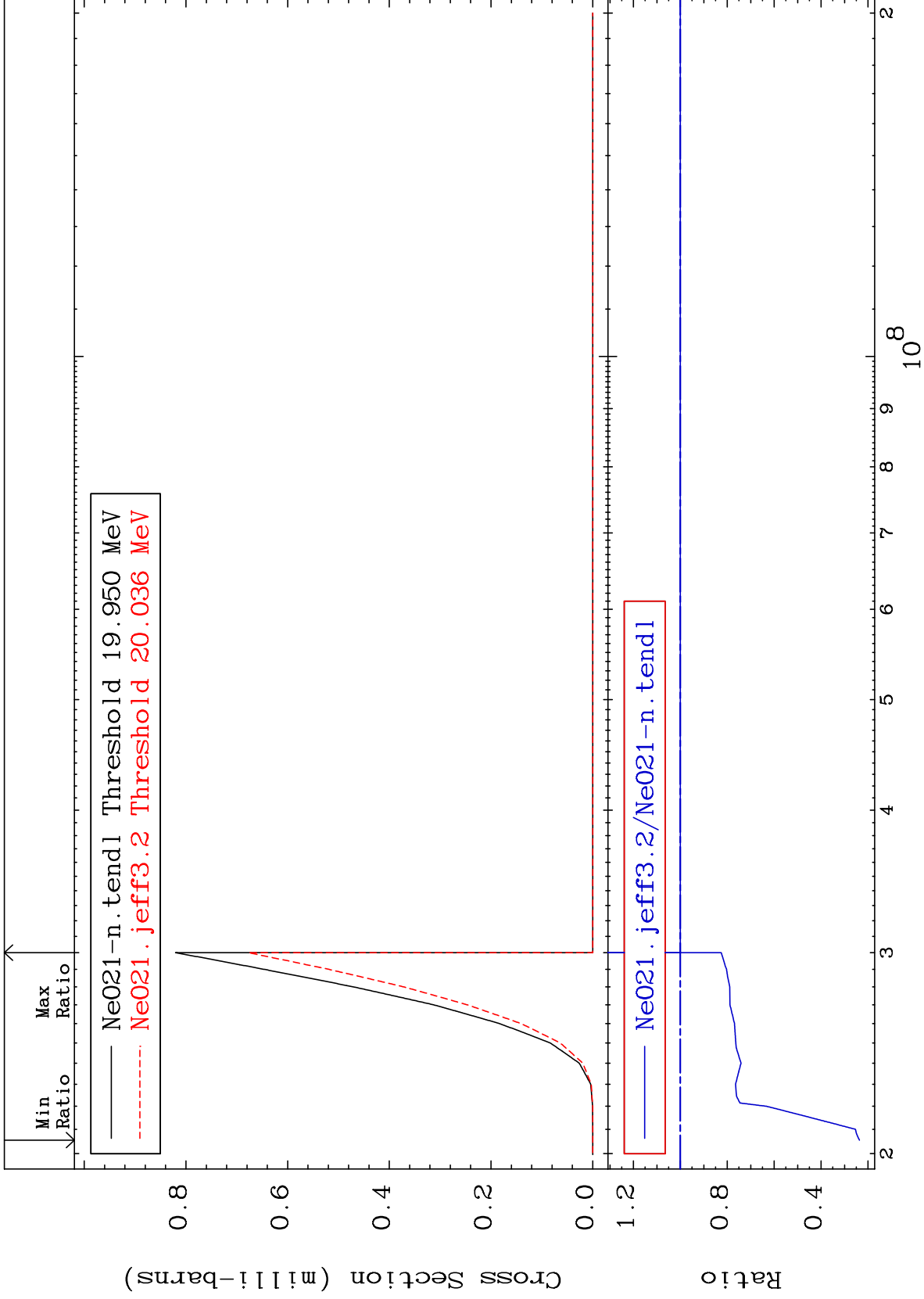
10-Ne-21
0.000 To 69.34 %



MAT 1028

(n, p) t
Cross Section

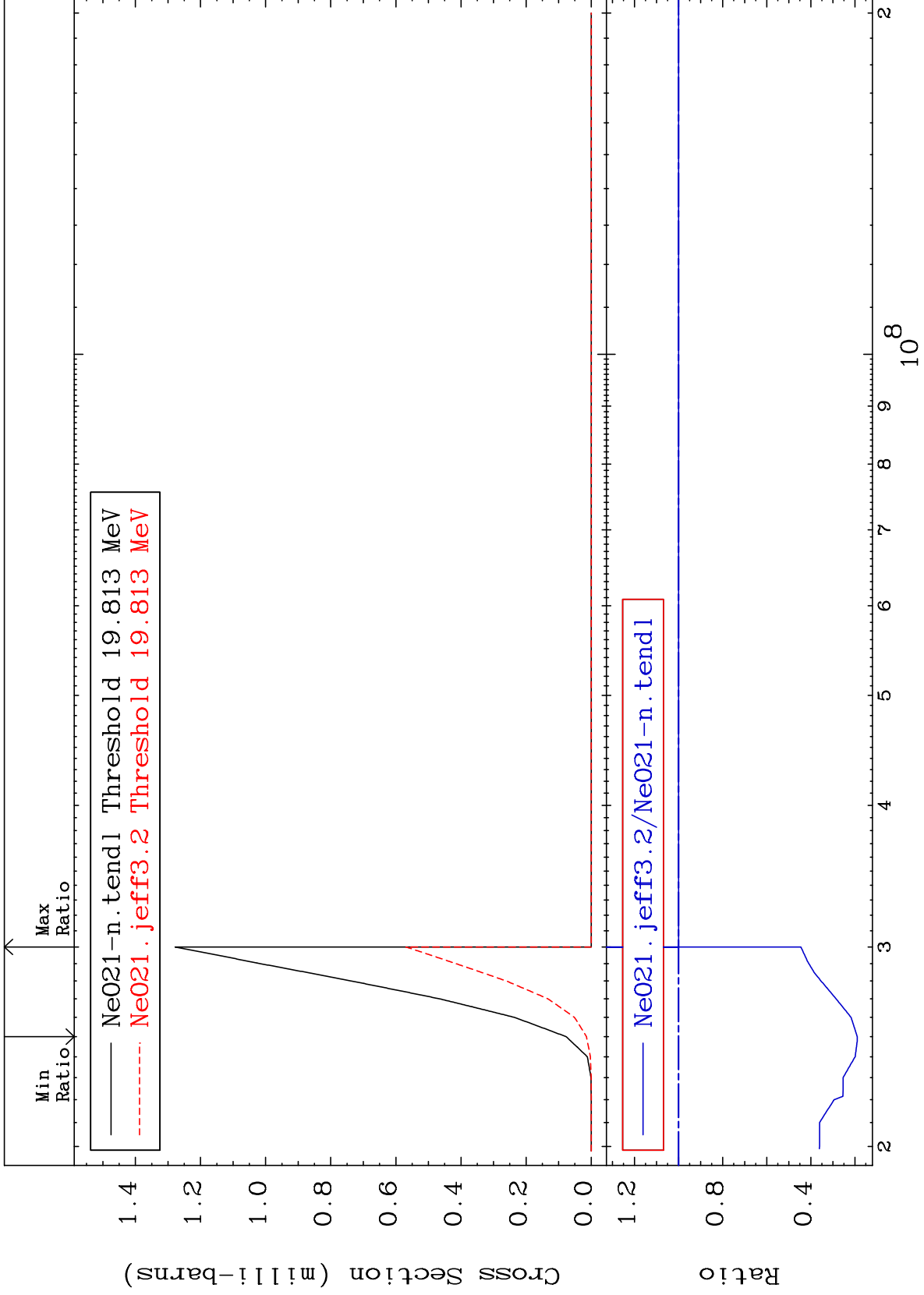
10-Ne-21
-76.34 To 0.000 %



MAT 1028

(n, d) α
Cross Section

10-Ne-21
-81.08 To 0.000 %



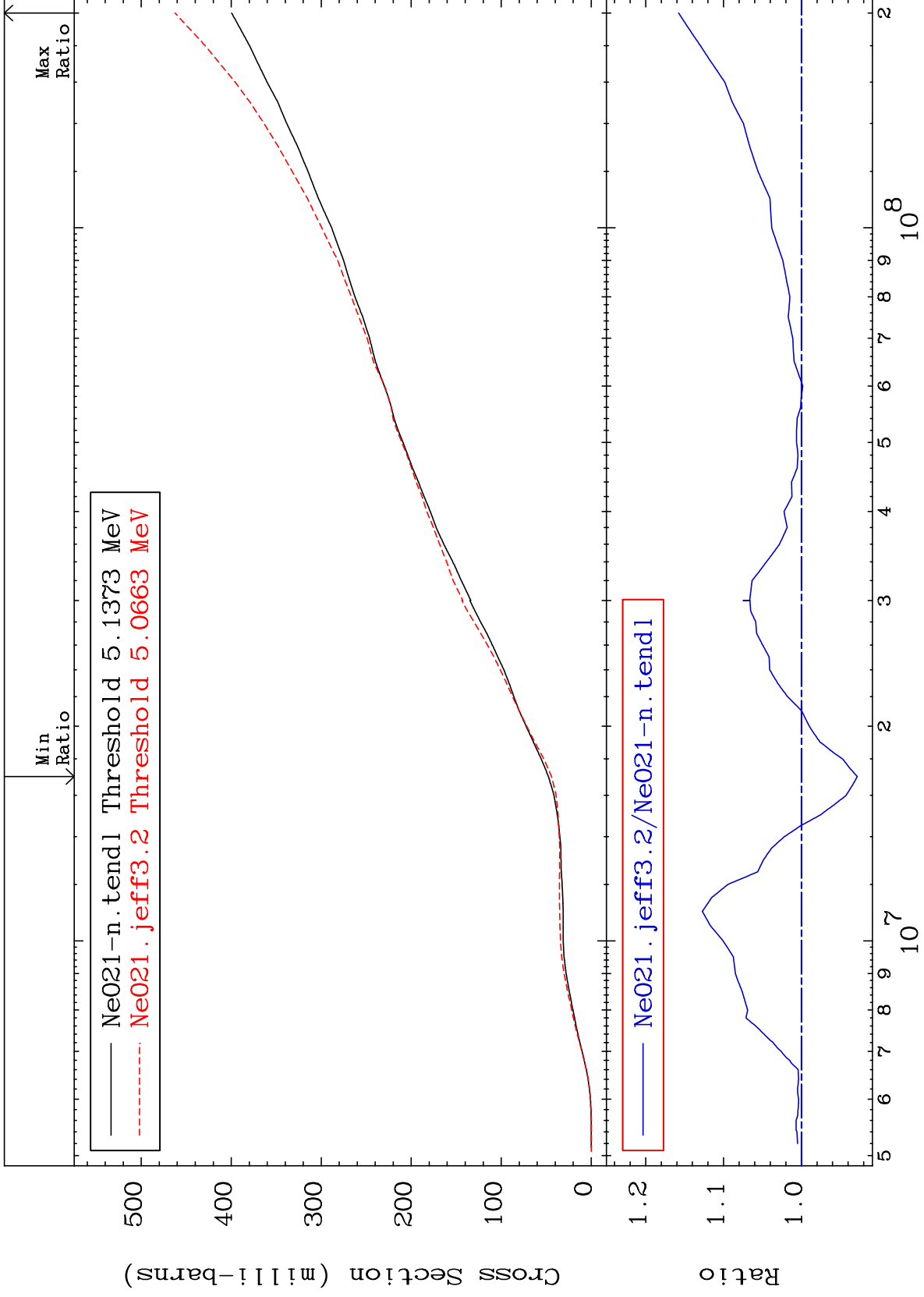
60

10-Ne-21

MAT 1028

Hydrogen Production
Cross Section

10-Ne-21
-7.167 To 15.77 %



61

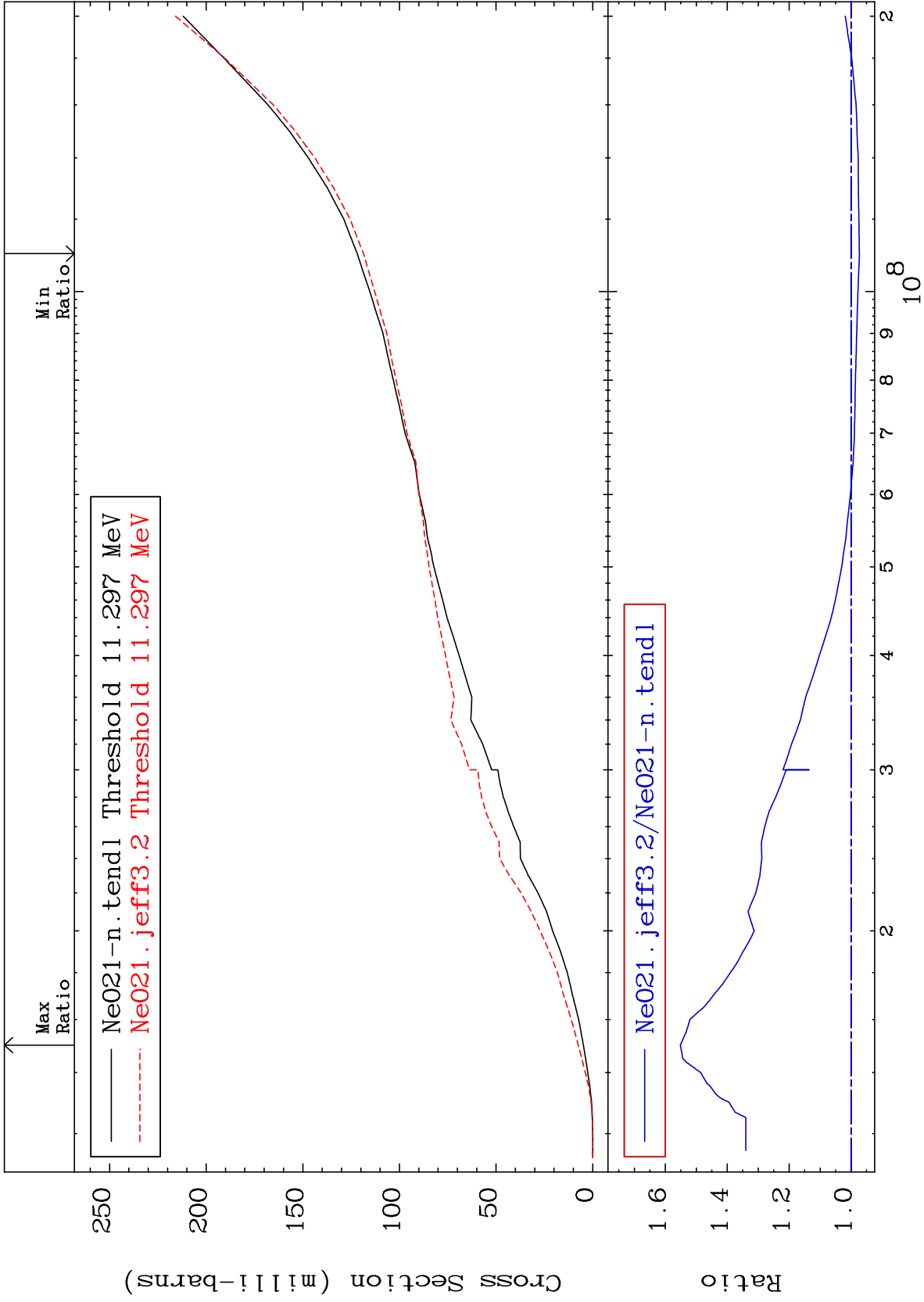
Incident Energy (eV)

10-Ne-21

MAT 1028

Deuterium Production
Cross Section

10-Ne-21
-2.691 To 55.15 %



62

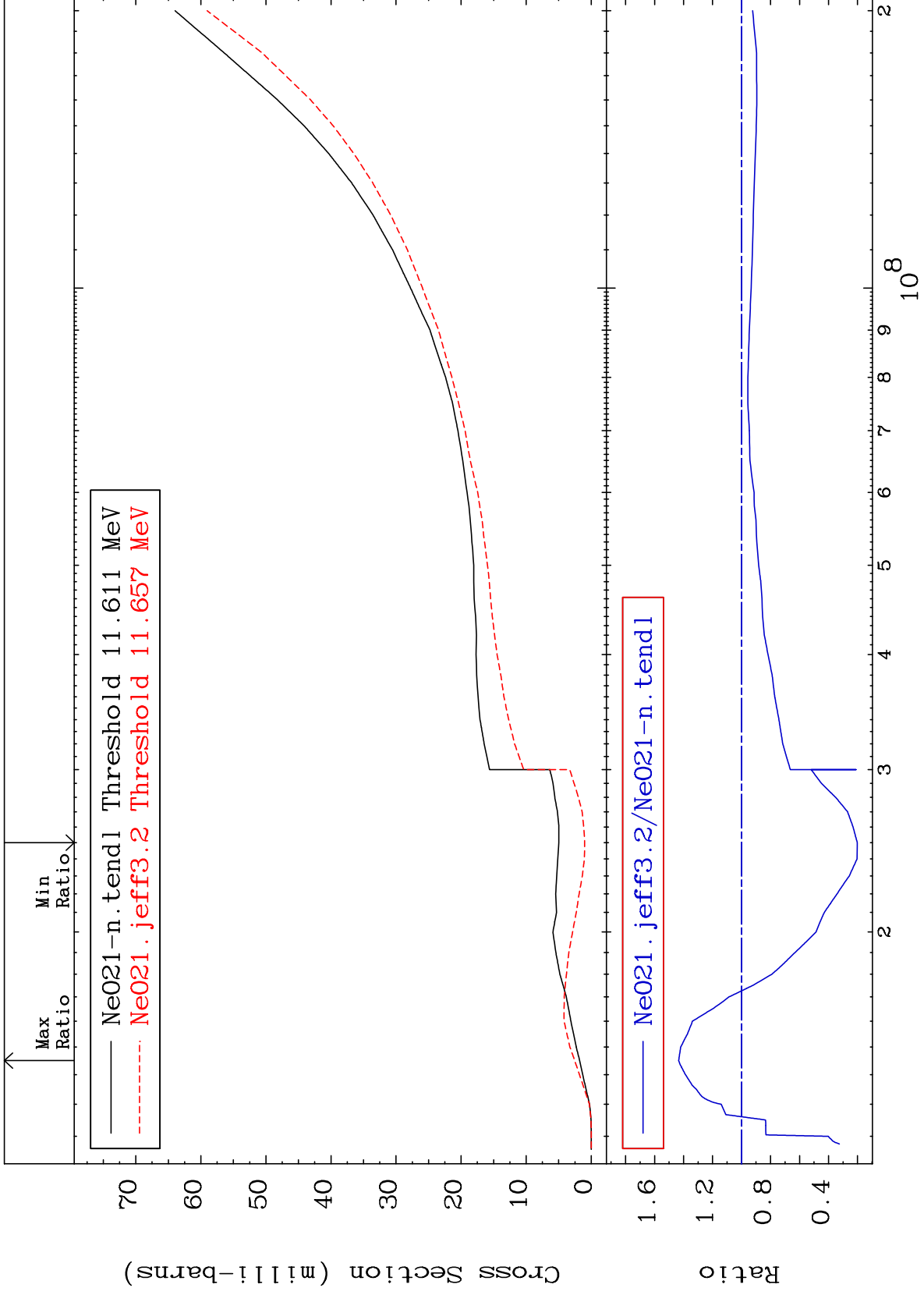
Incident Energy (eV)

10-Ne-21

MAT 1028

Tritium Production
Cross Section

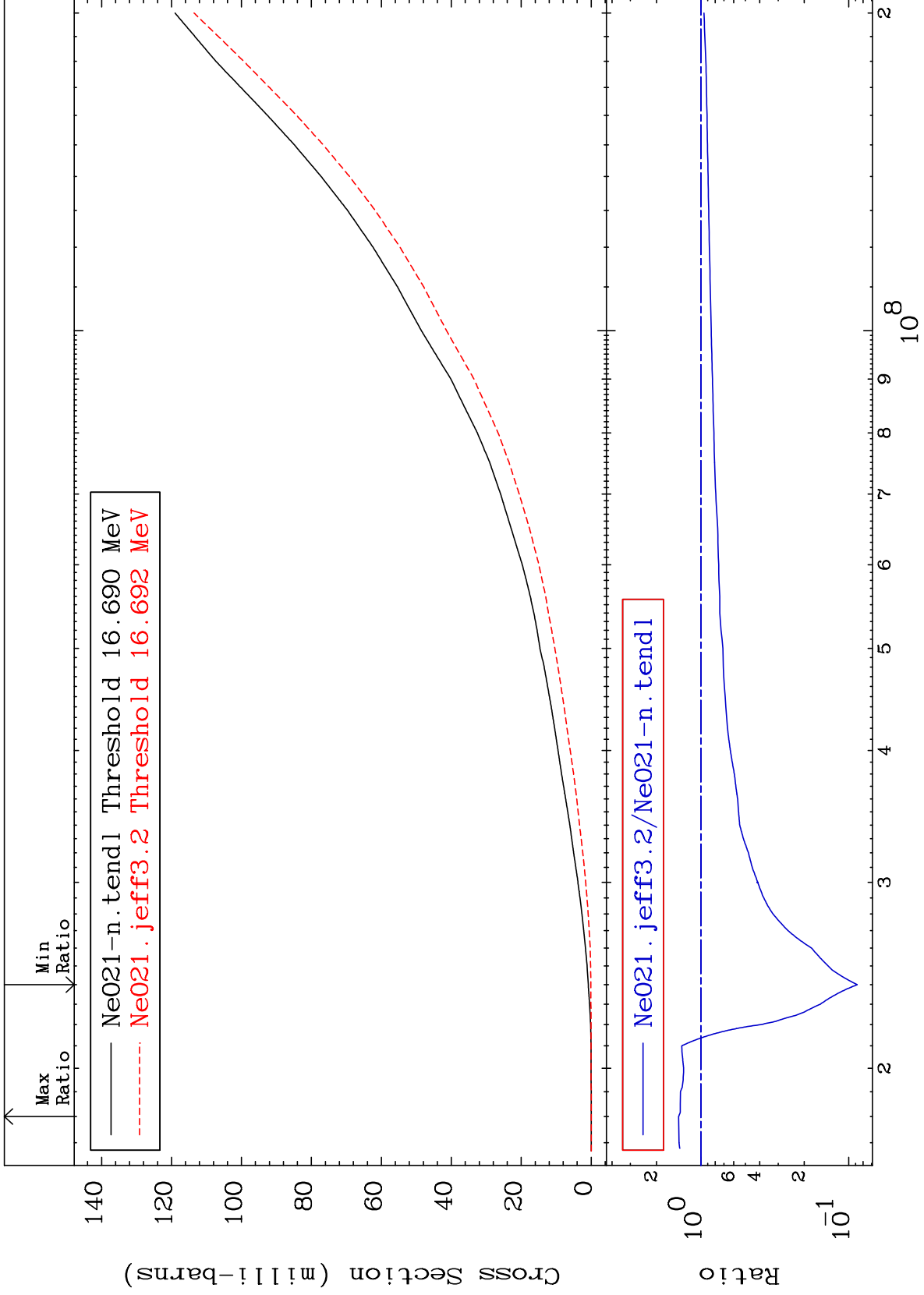
10-Ne-21
-79.81 To 43.40 %



MAT 1028

He-3 Production
Cross Section

10-Ne-21
-91.24 To 41.55 %



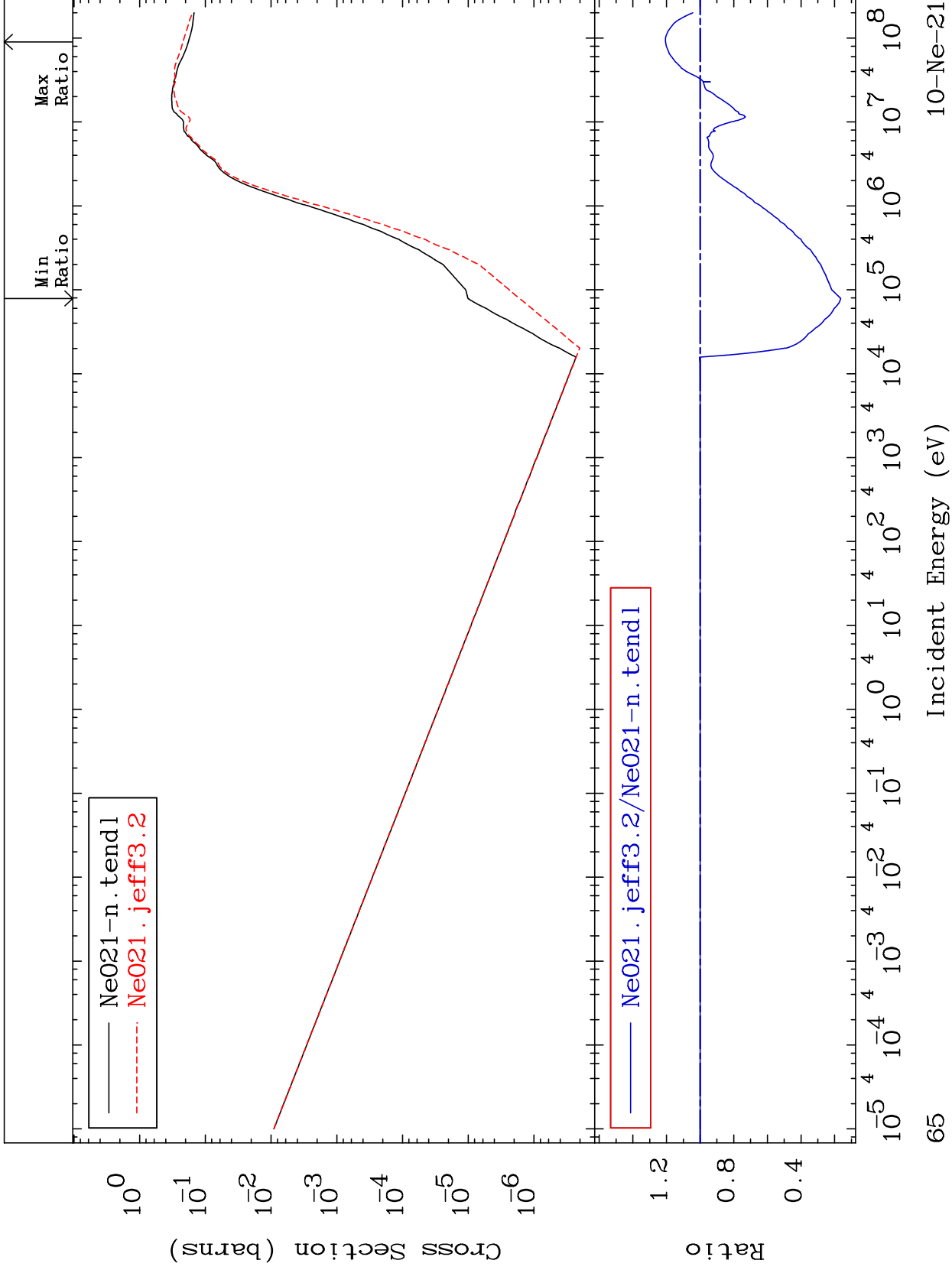
64

10-Ne-21

MAT 1028

He-4 Production
Cross Section

10-Ne-21
-83.59 To 20.59 %



65

10-Ne-21

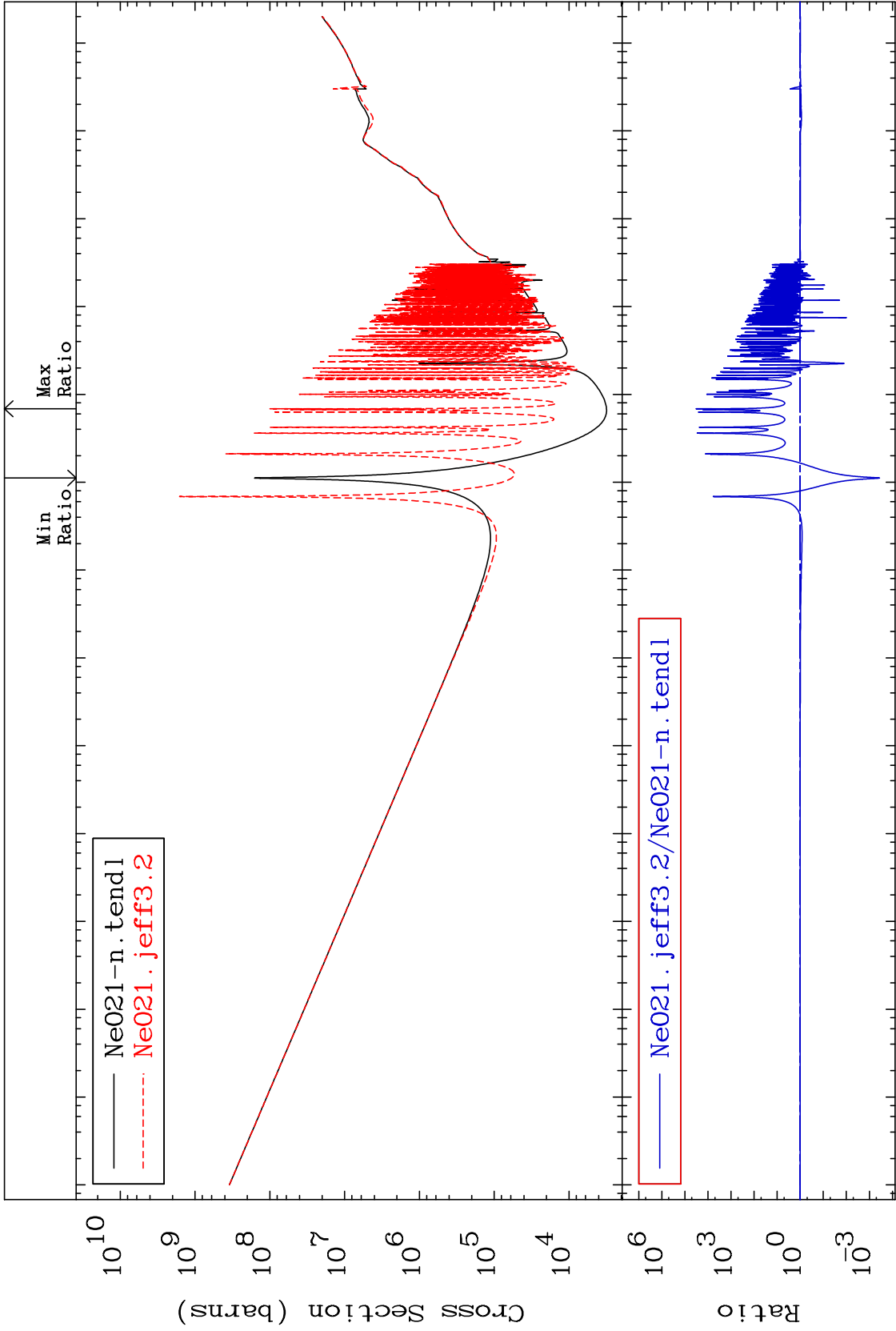
MAT 1028

Kerma total (eV-barns)

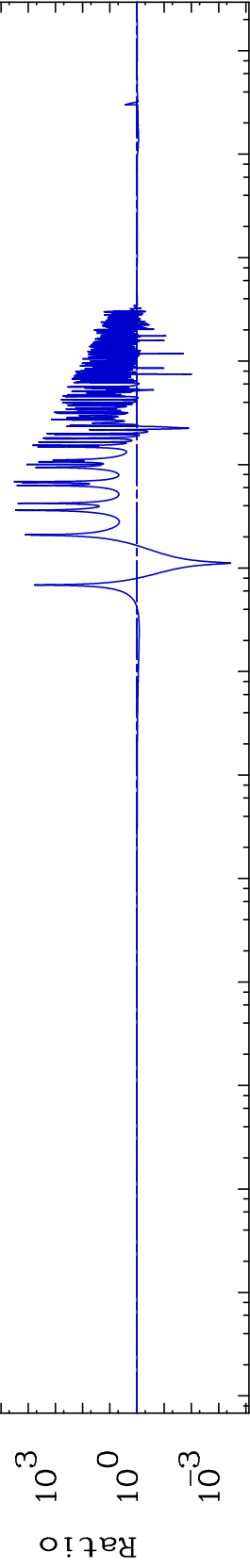
10-Ne-21

Cross Section

-99.96 To 9999. %



Ne021.jeff3.2/Ne021-n.tendl



66

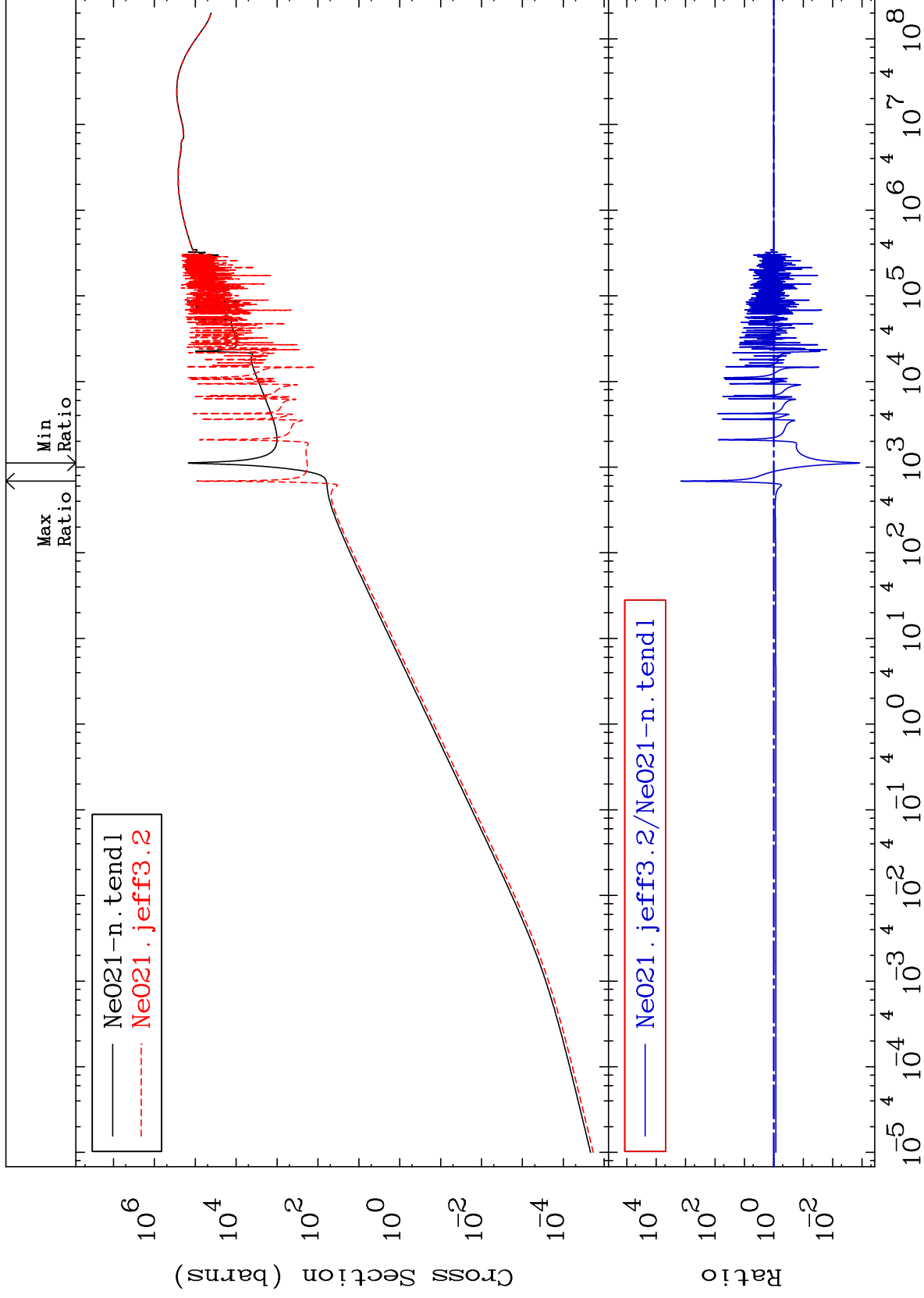
Incident Energy (eV)

10-Ne-21

MAT 1028

Kerma elastic
Cross Section

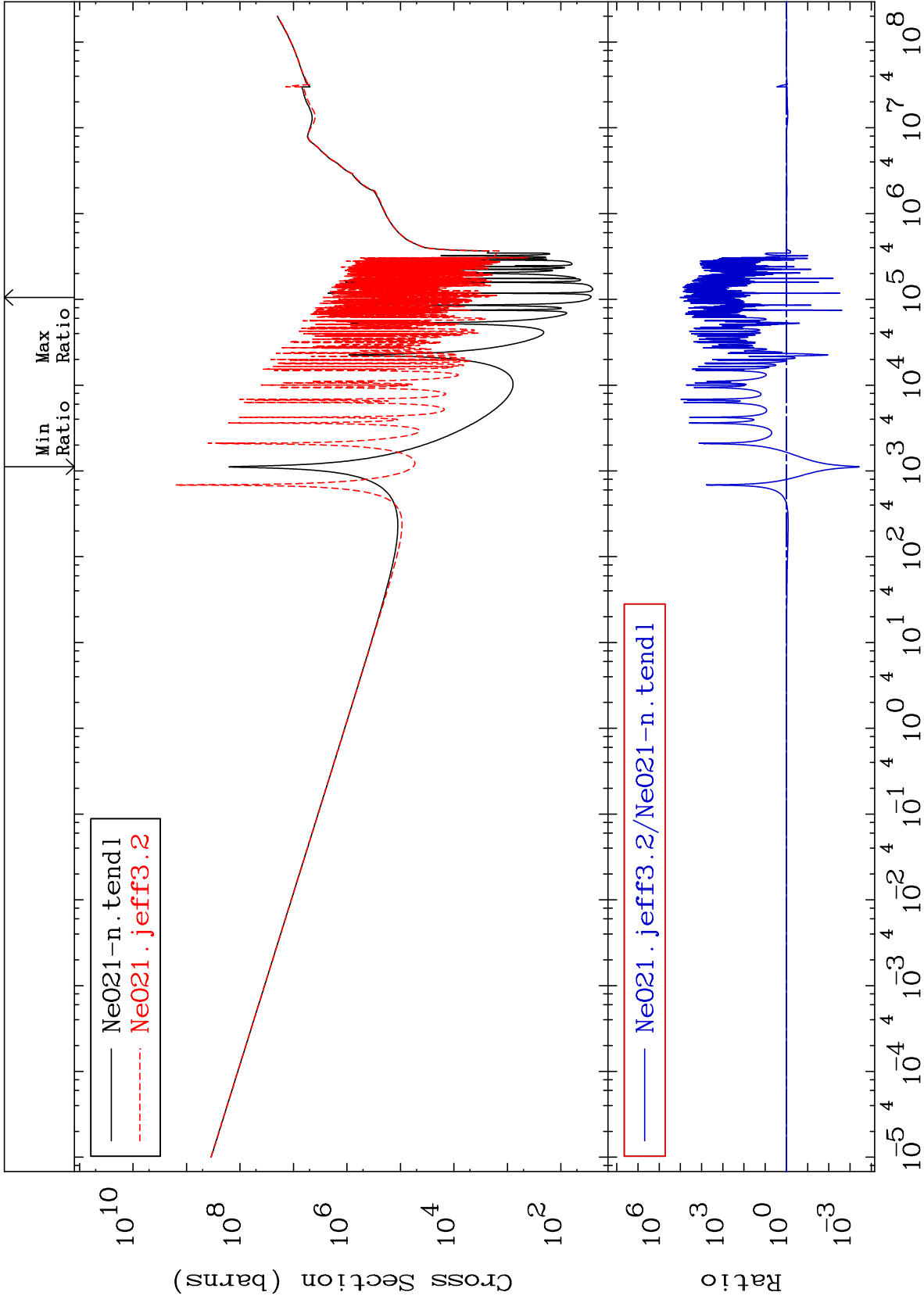
10-Ne-21
-99.88 To 9999. %



67

Incident Energy (eV)

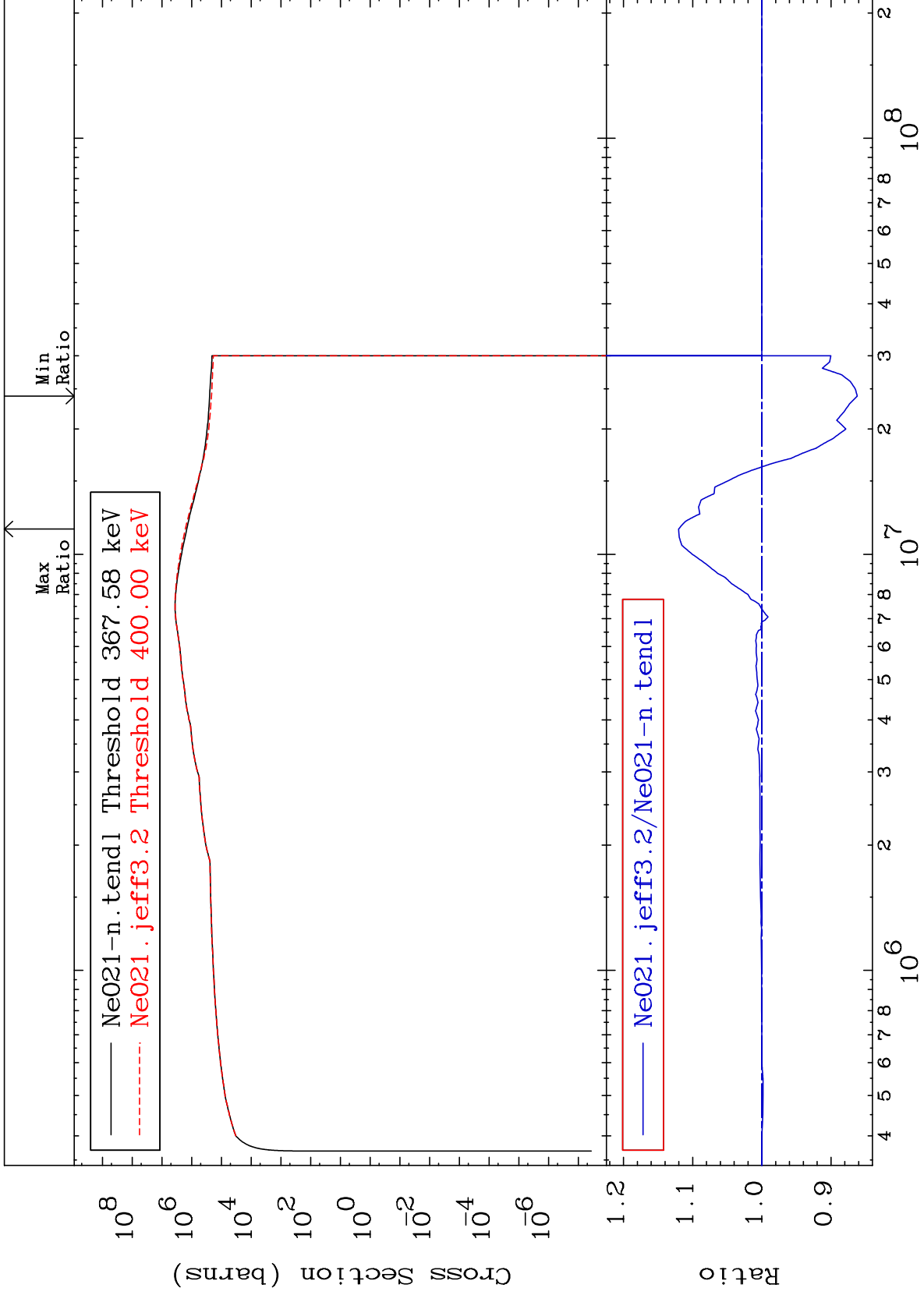
10-Ne-21



MAT 1028

Kerma inelastic (mt51-91)
Cross Section

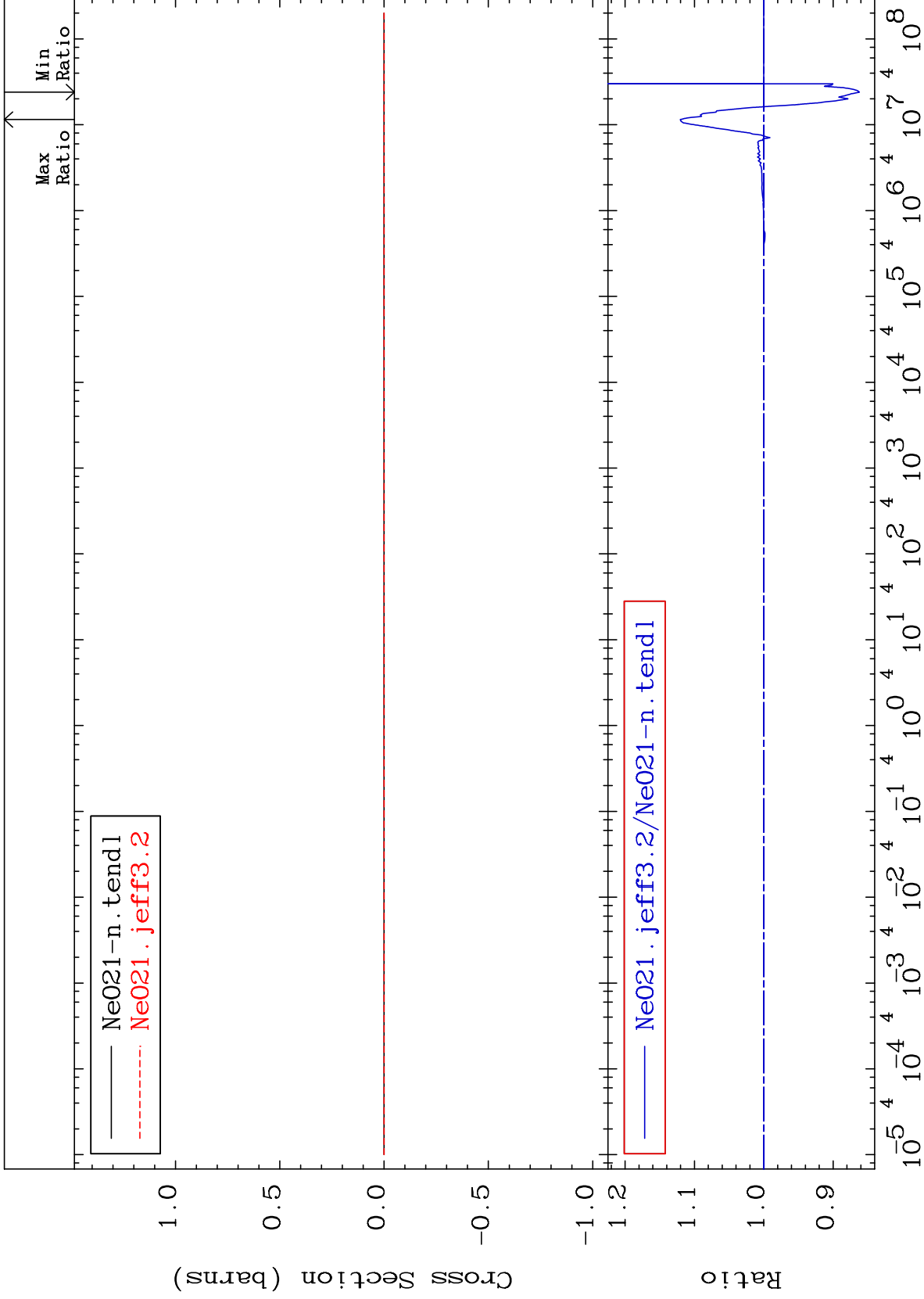
10-Ne-21
-13.80 To 12.03 %



MAT 1028

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

10-Ne-21
-13.80 To 12.03 %



70

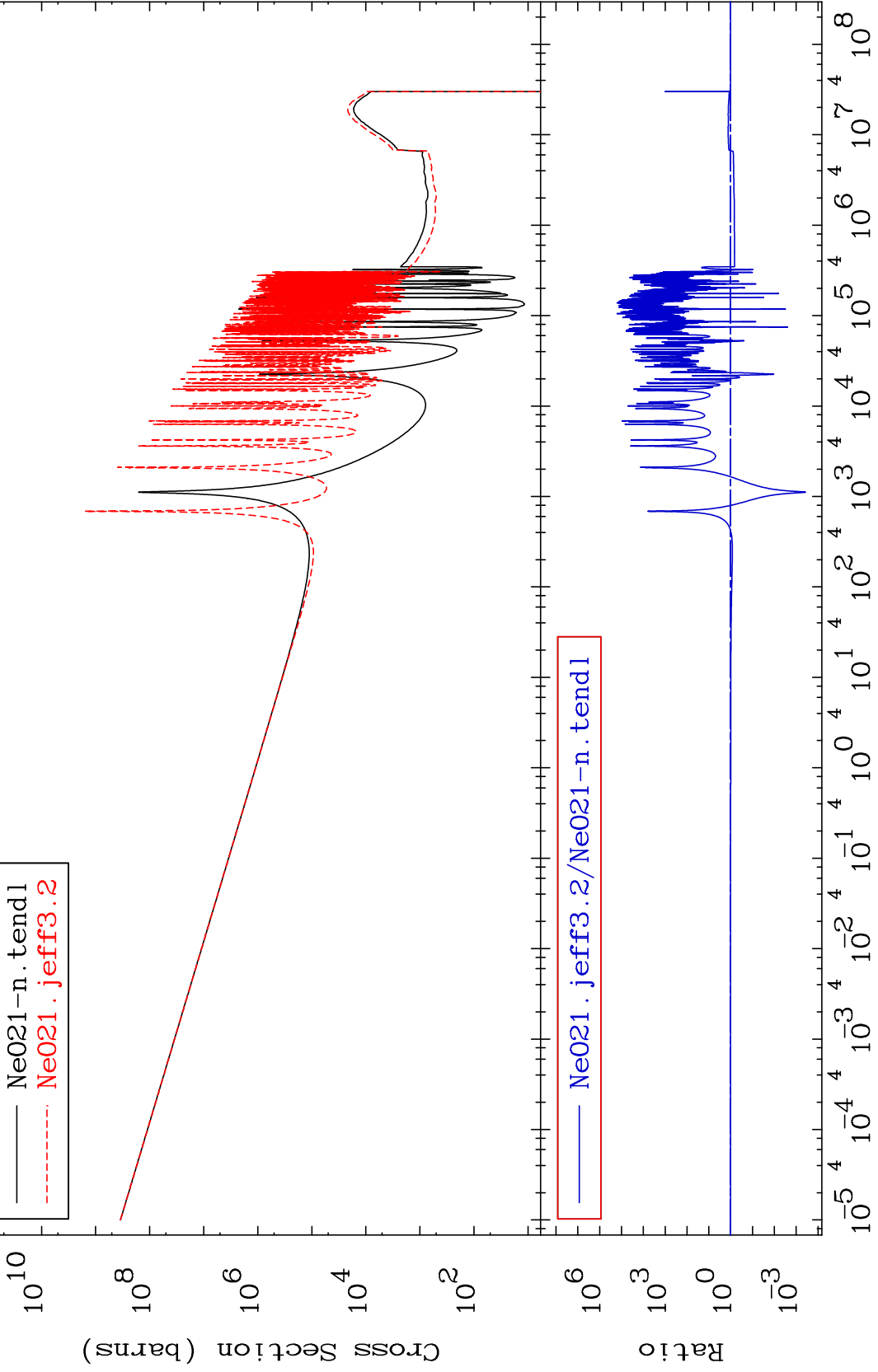
Incident Energy (eV)

10-Ne-21

MAT 1028

Kerma capture (mt102)
Cross Section

10-Ne-21
-99.96 To 9999. %



71

Incident Energy (eV)

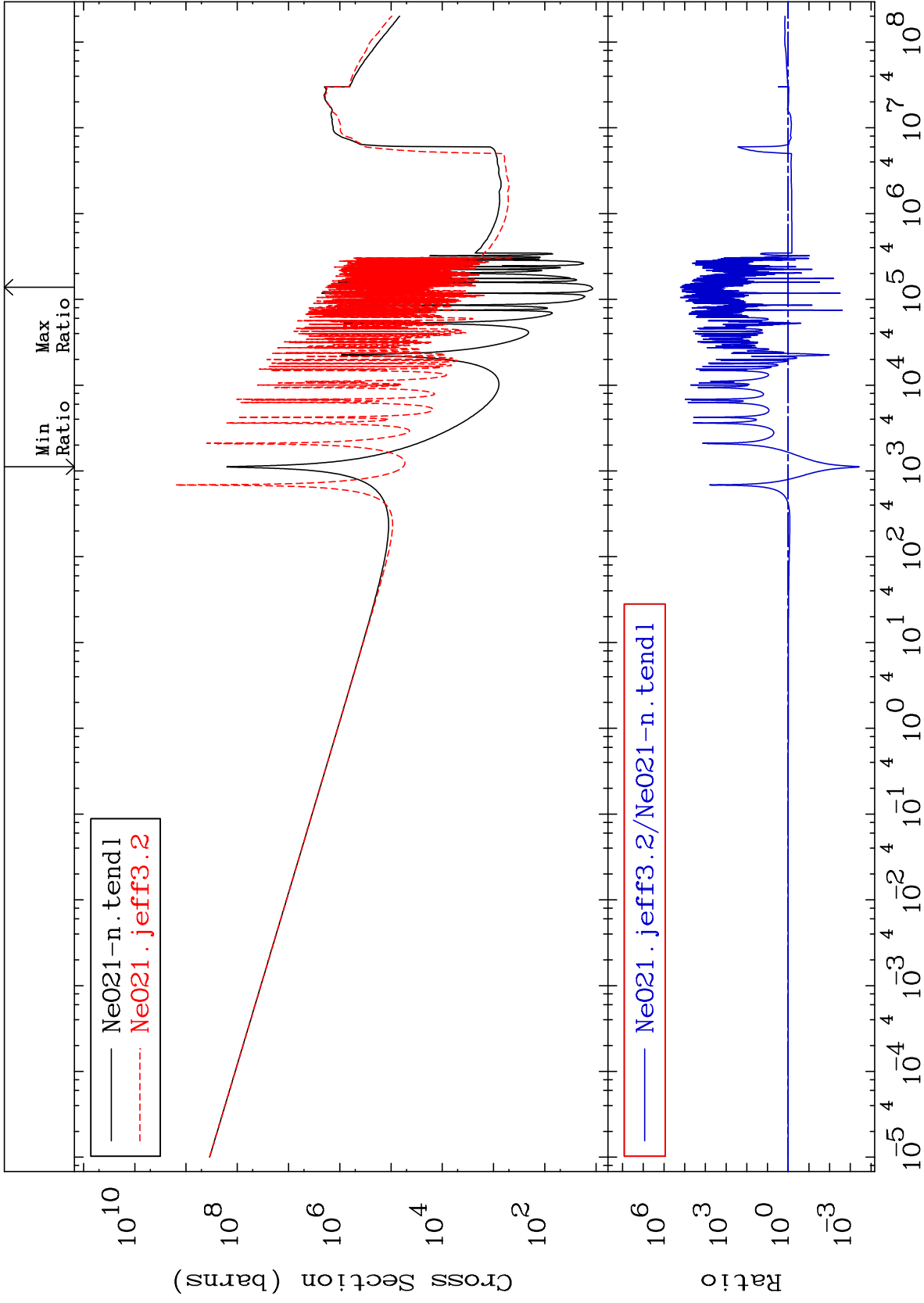
10-Ne-21

MAT 1028

Total photon (eV-barns)
Cross Section

10-Ne-21

-99.96 To 9999. %



72

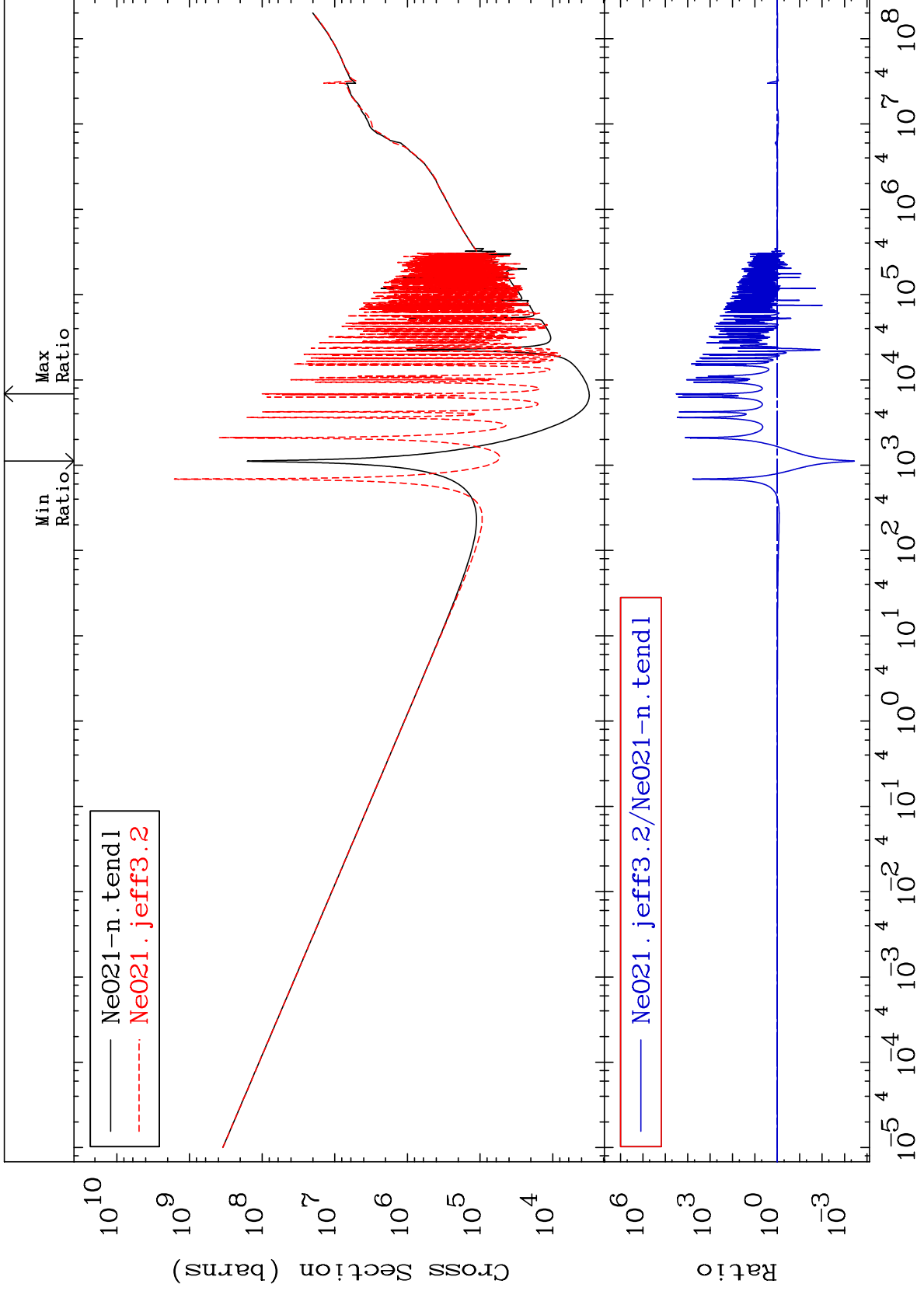
Incident Energy (eV)

10-Ne-21

MAT 1028

Total kinematic kerma (high limit)
Cross Section

10-Ne-21
-99.96 To 9999. %



73

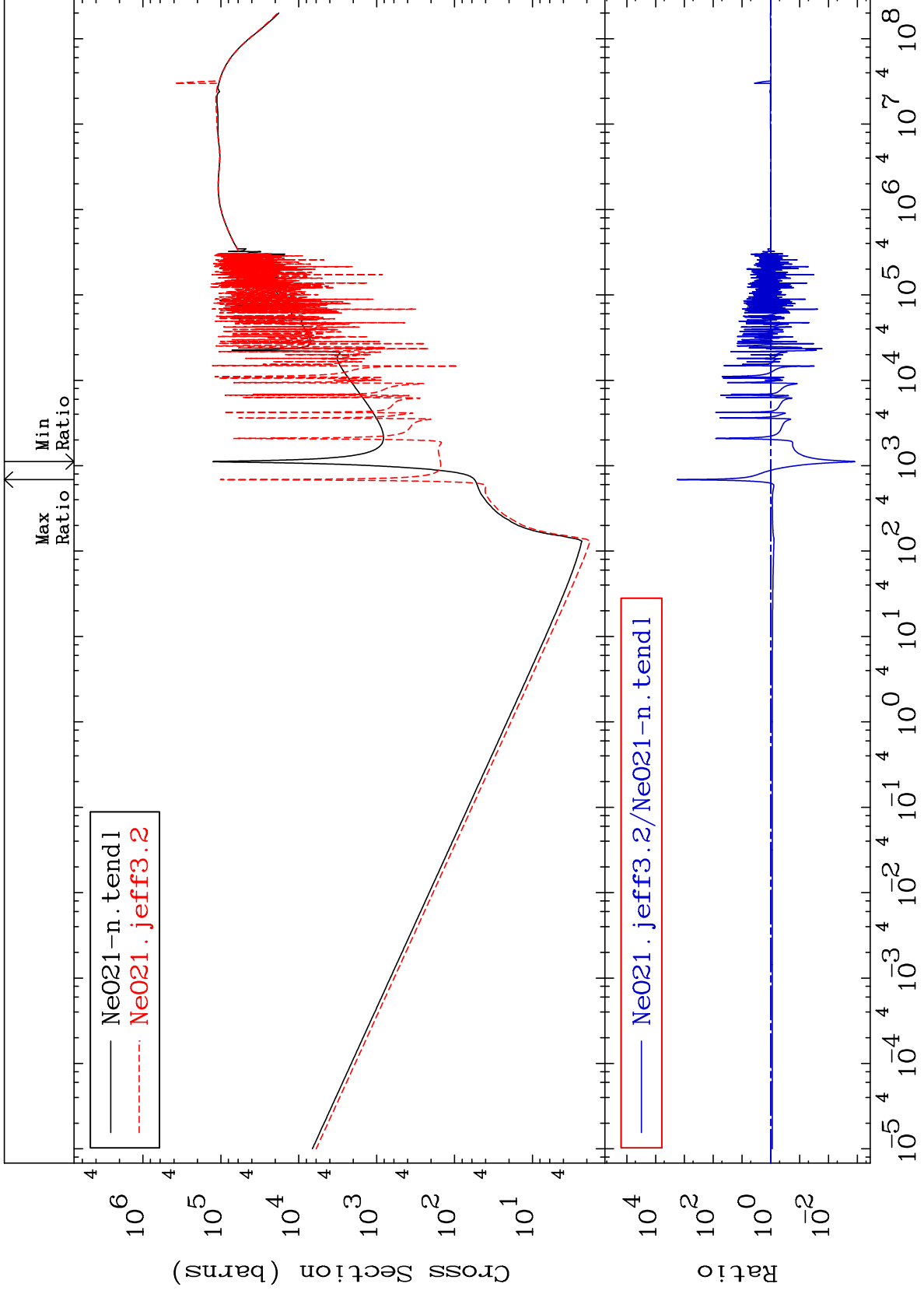
Incident Energy (eV)

10-Ne-21

MAT 1028

Dpa total (eV-barns)
Cross Section

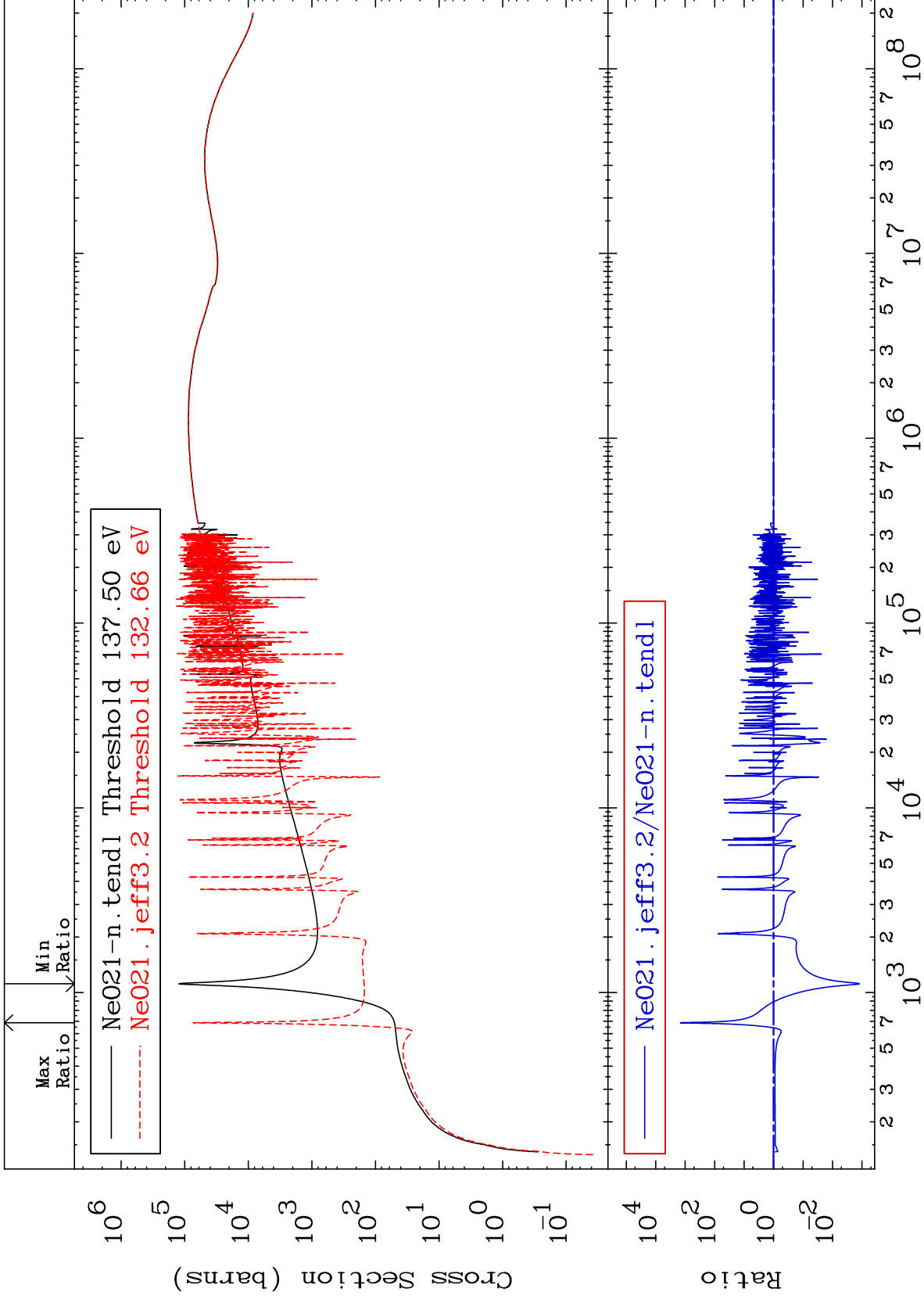
10-Ne-21
-99.88 To 9999. %



MAT 1028

Dpa elastic (mt2)
Cross Section

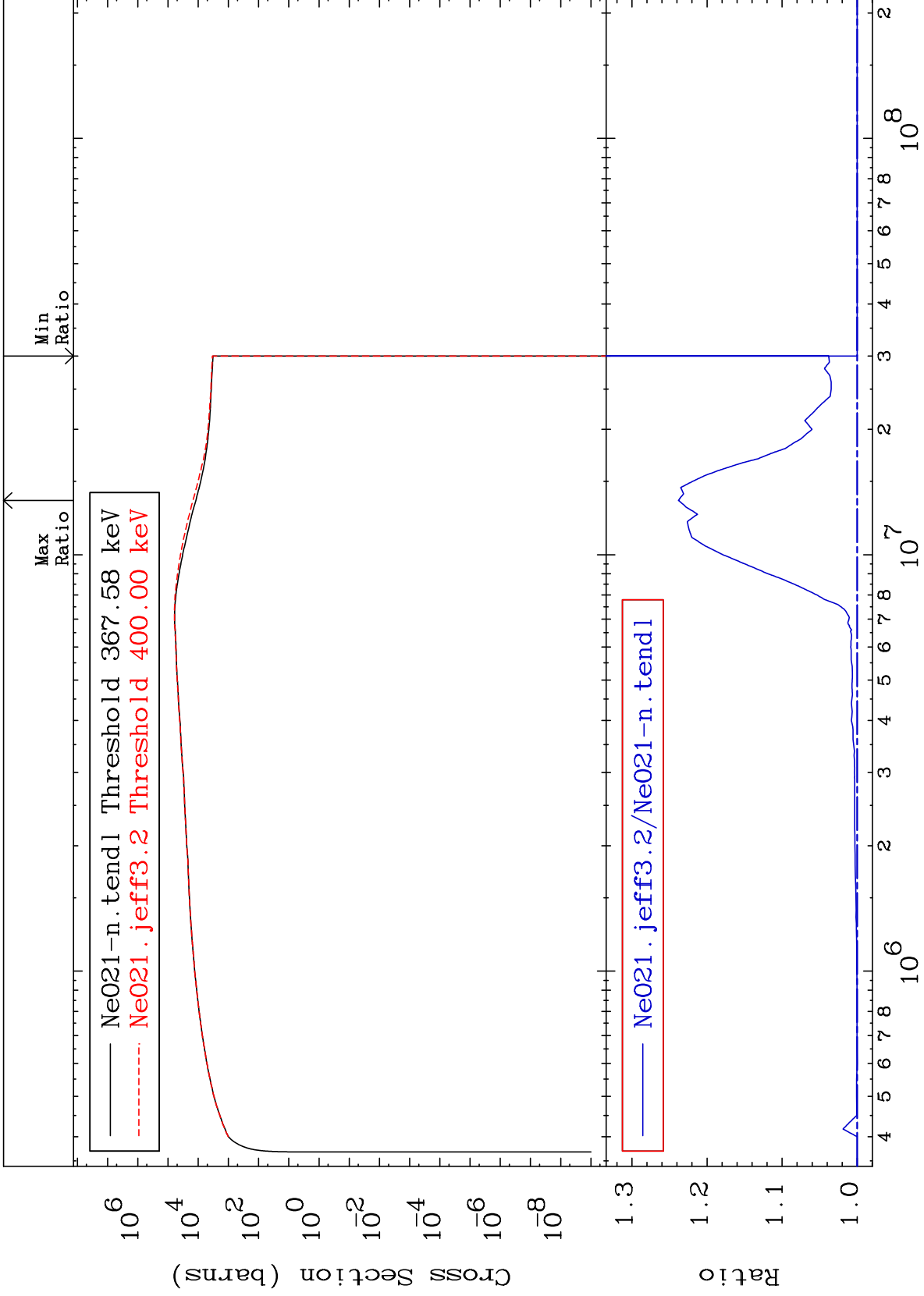
10-Ne-21
-99.88 To 9999. %



MAT 1028

Dpa inelastic (mt51-91)
Cross Section

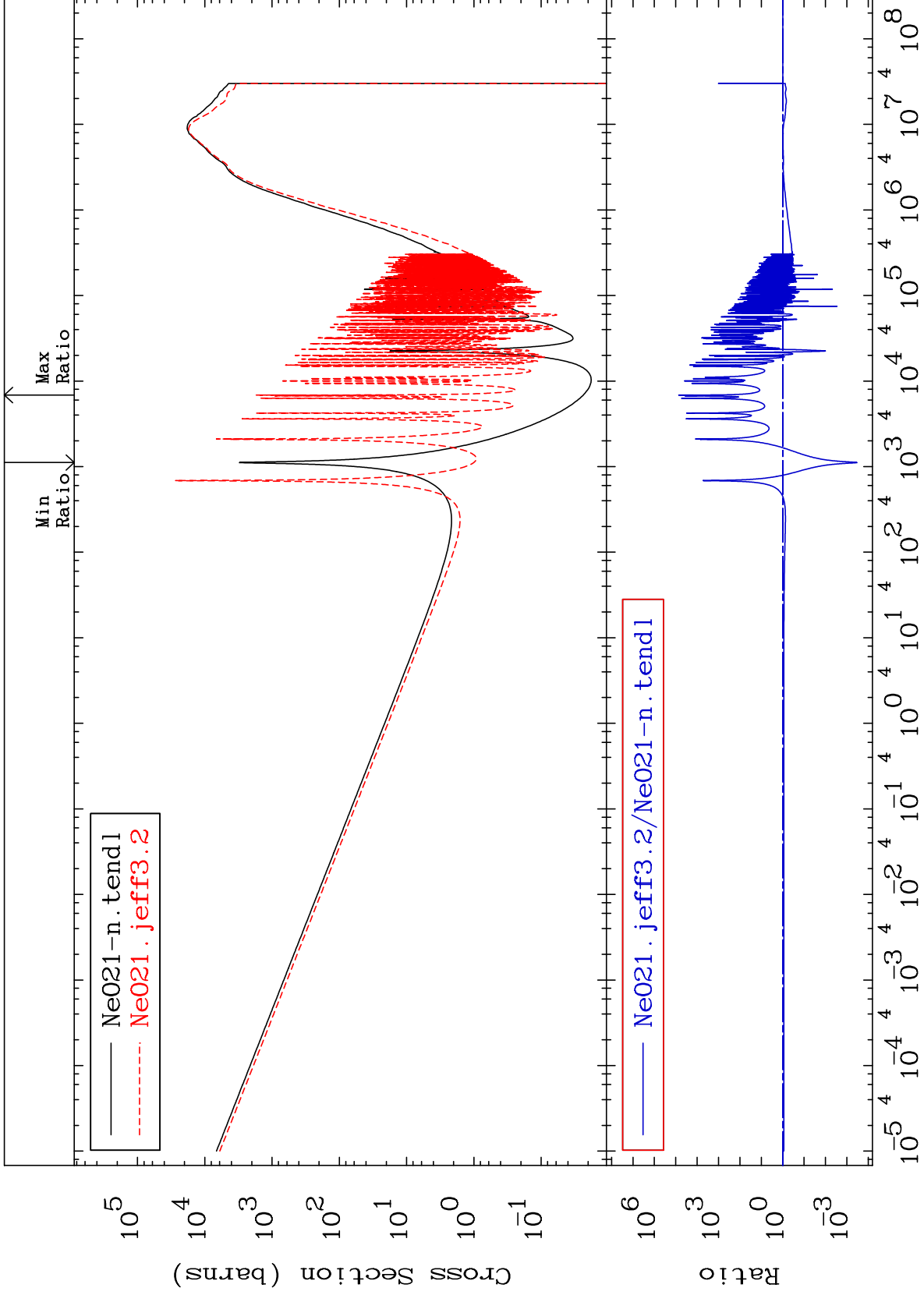
10-Ne-21
0.000 To 23.81 %



MAT 1028

Dpa disappearance (mt102 -120)
Cross Section

10-Ne-21
-99.97 To 9999. %



77

Incident Energy (eV)

10-Ne-21