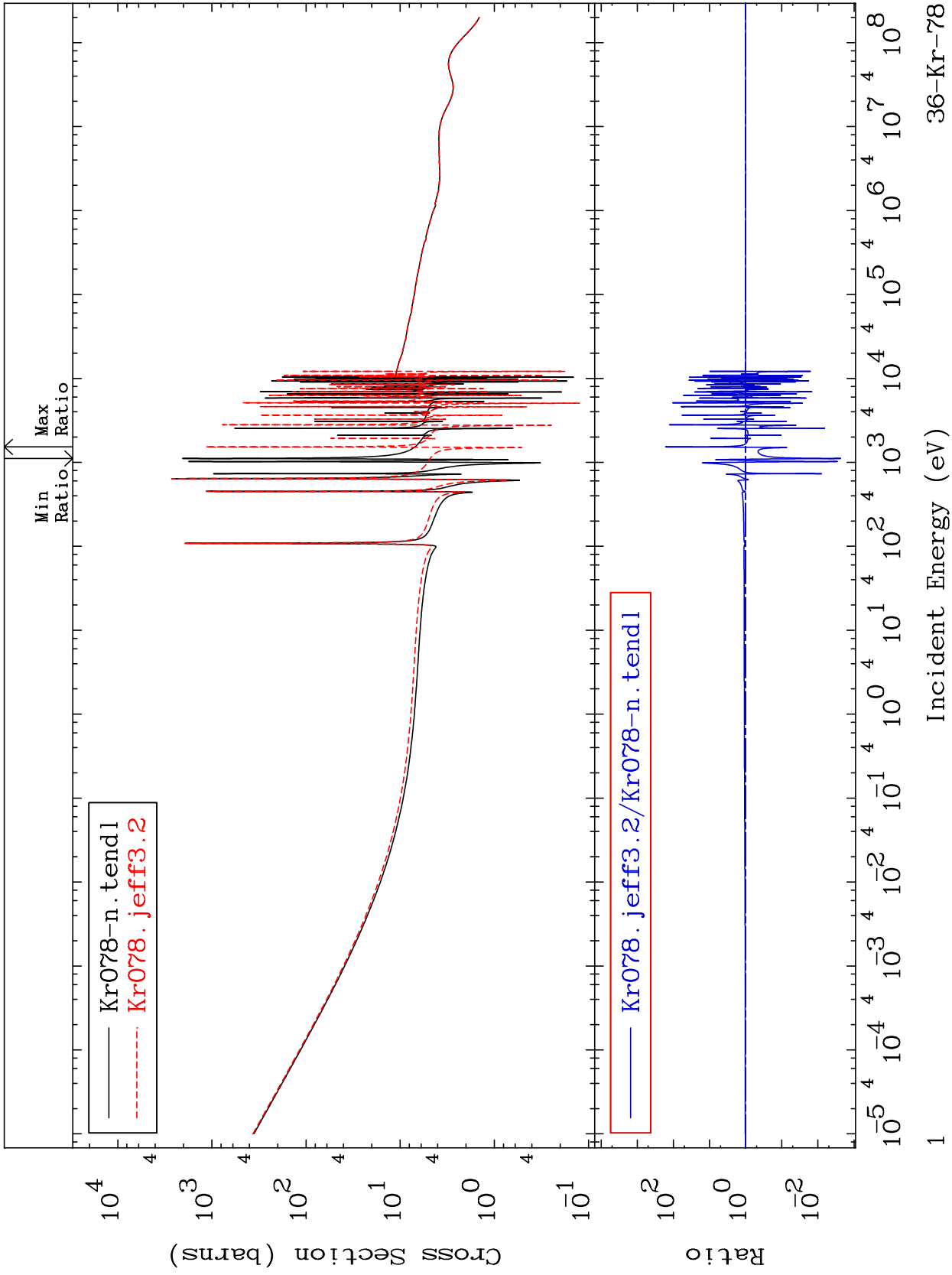
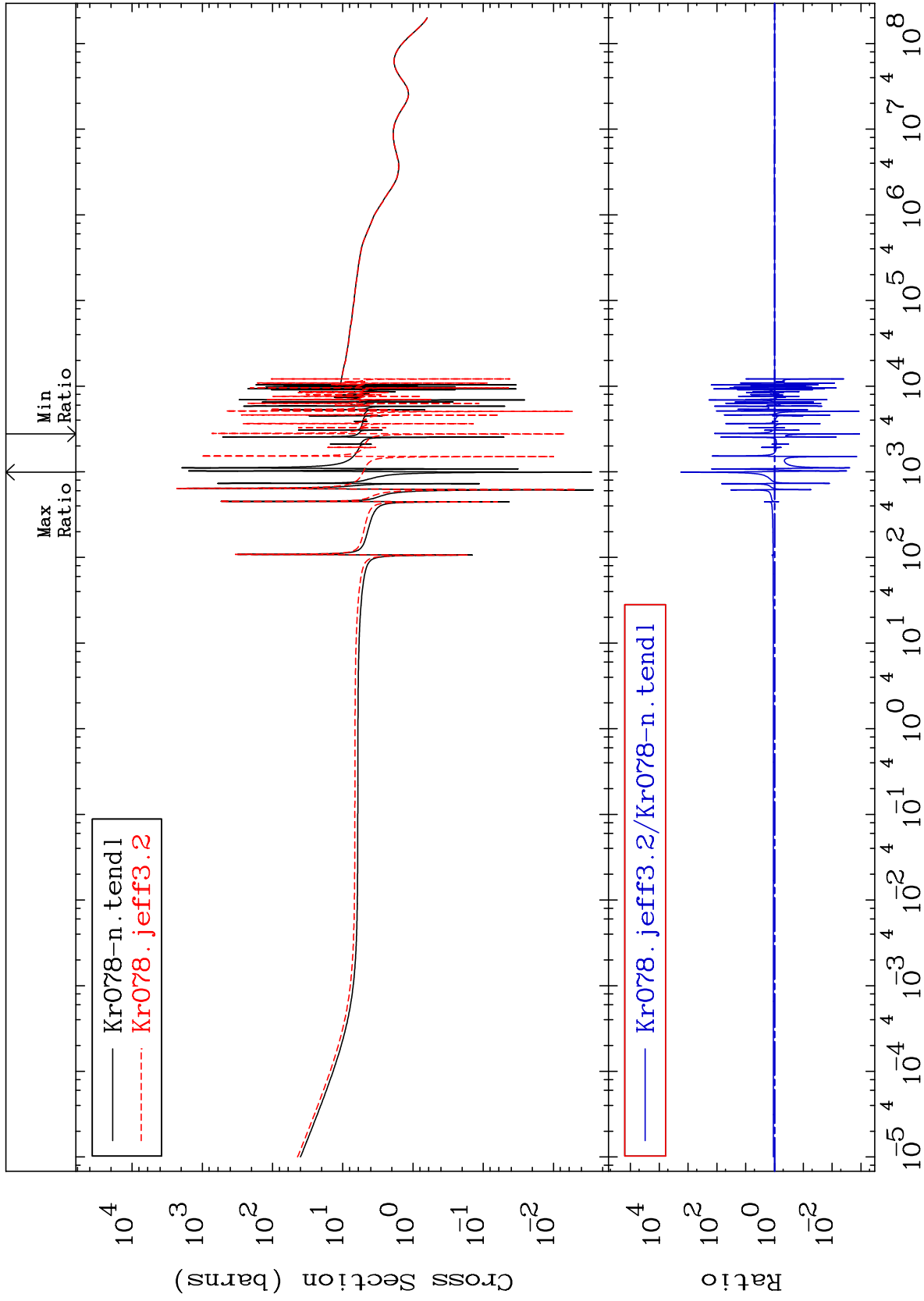


MAT 3625

Total
Cross Section

36-Kr-78
-99.77 To 9999. %





MAT 3625

³⁶Kr-78

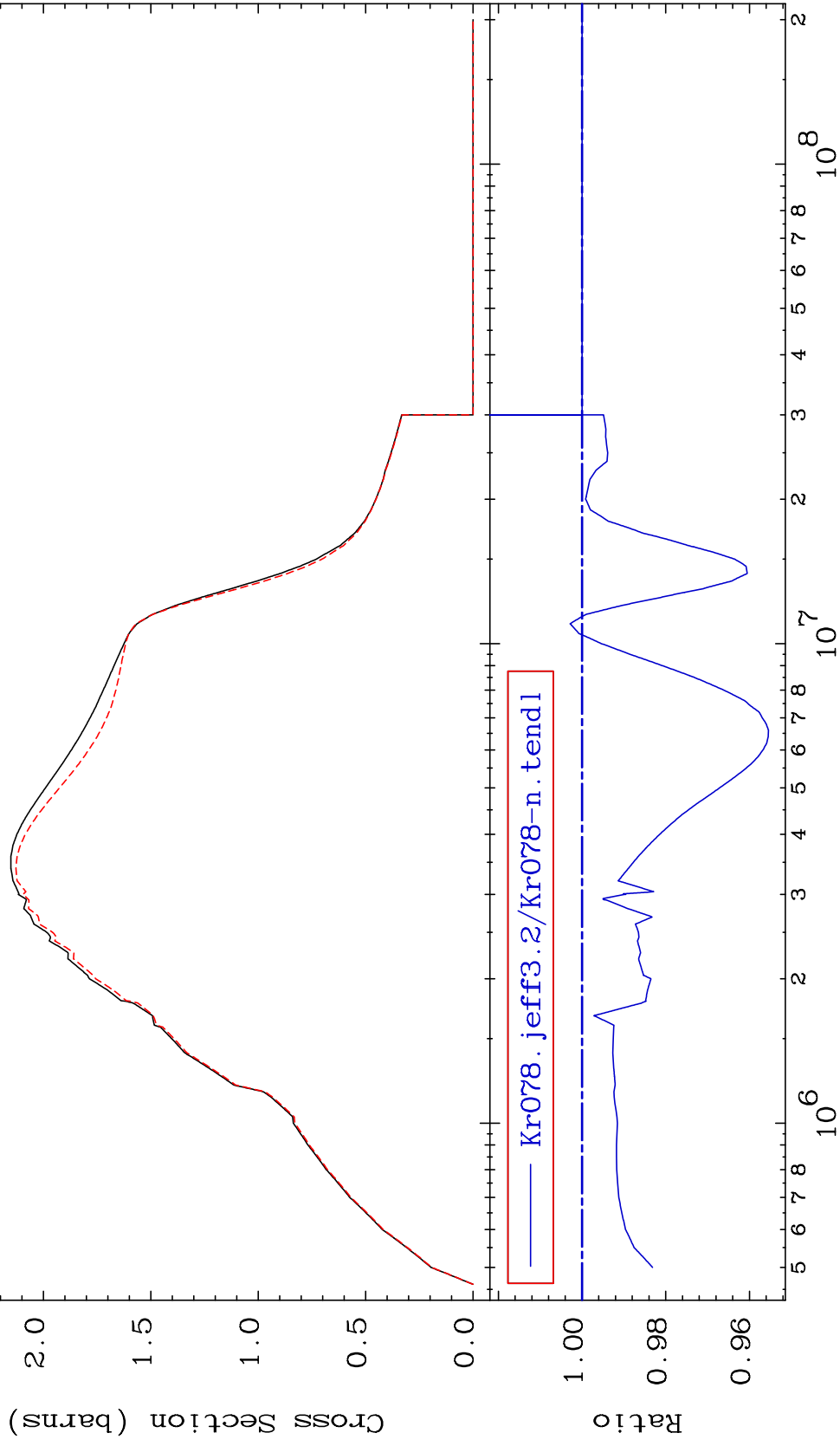
-4.454 To 0.286 %

Inelastic
Cross Section

Min Ratio

Max Ratio

— Kr078-n.tendl Threshold 460.92 keV
- - - Kr078.jeff3.2 Threshold 460.92 keV



3

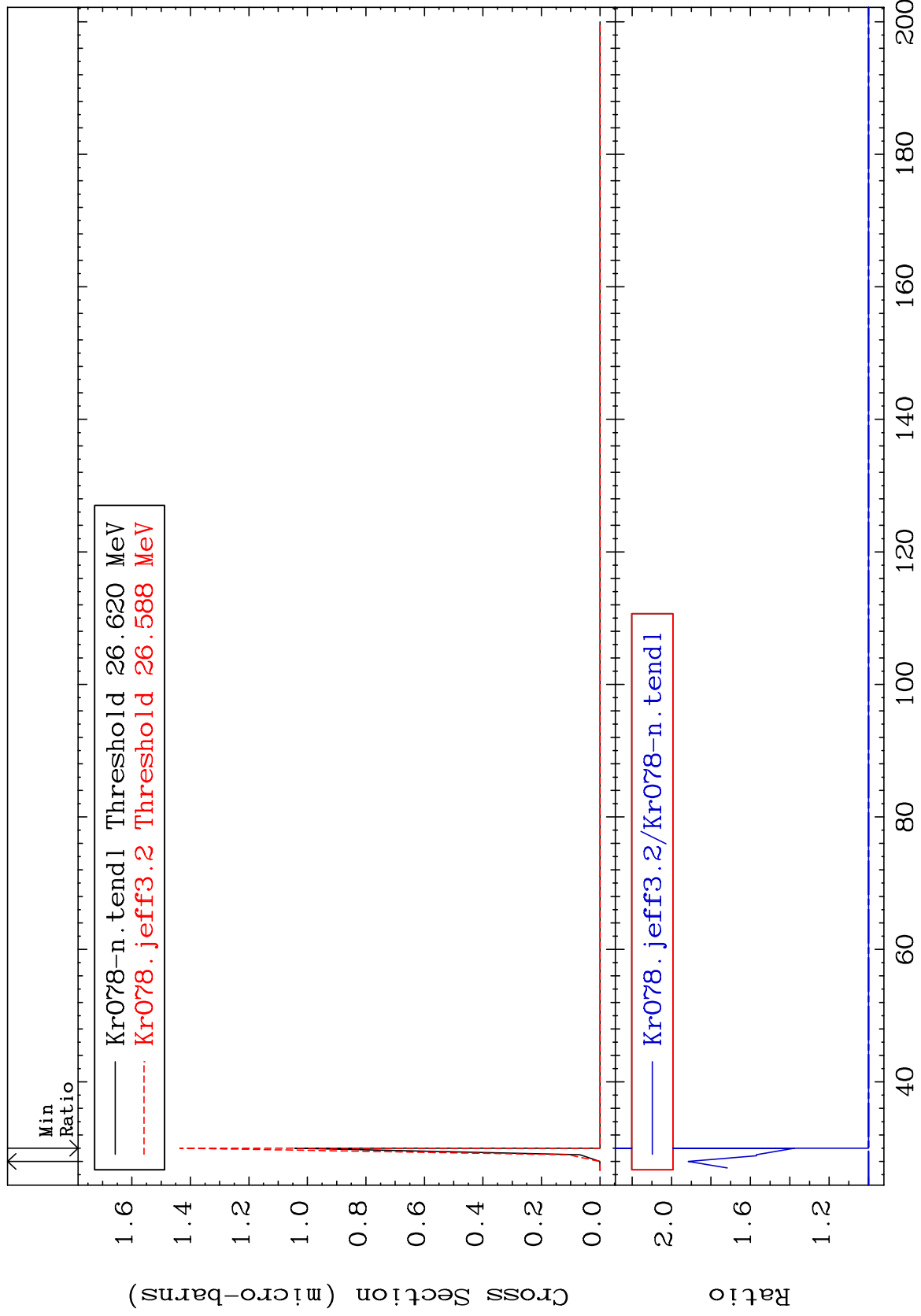
Incident Energy (eV)

³⁶Kr-78

MAT 3625

(n,2n) d
Cross Section

36-Kr-78
0.000 To 91.53 %



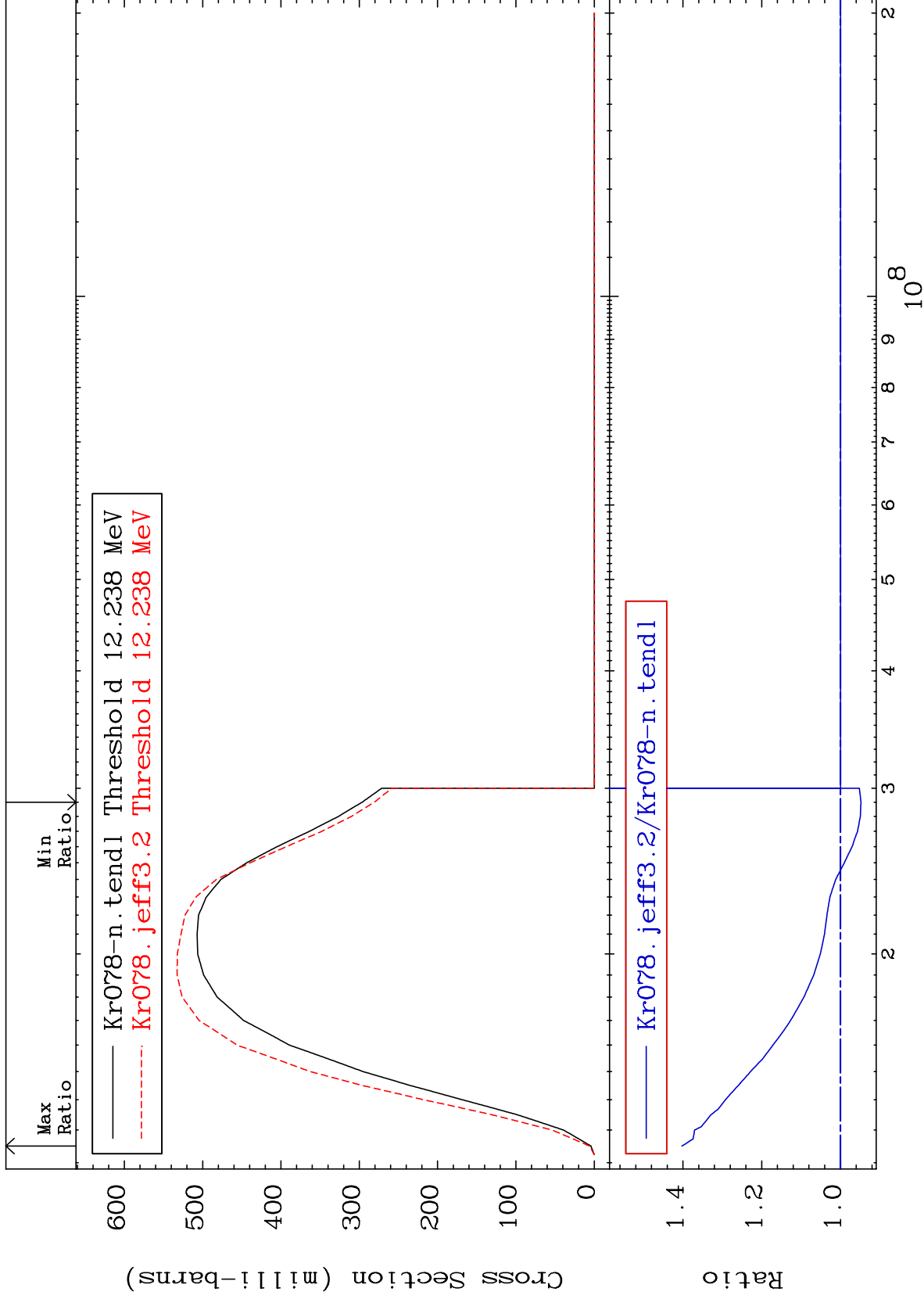
MAT 3625

(n,2n)

³⁶Kr-78

Cross Section

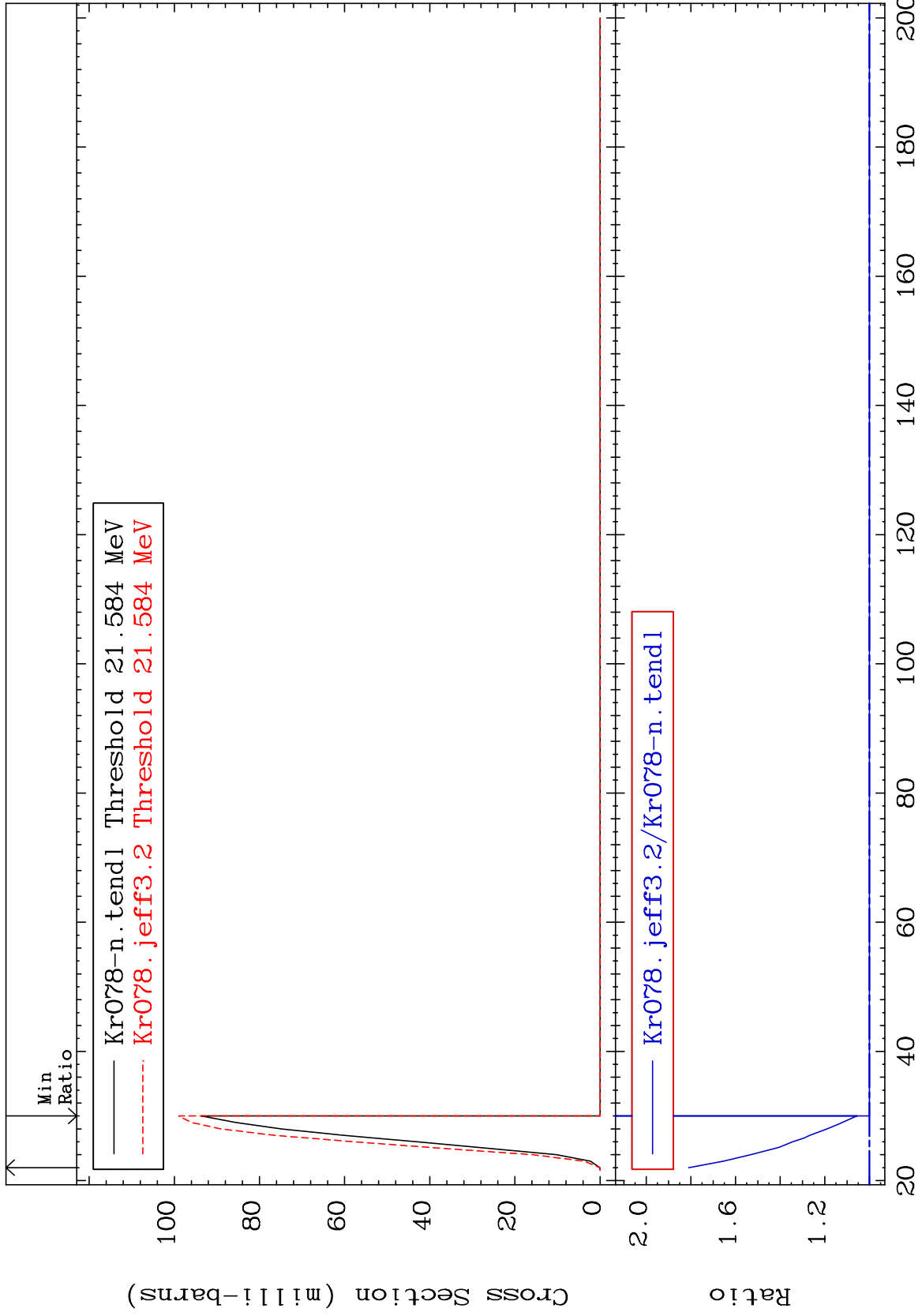
-5.216 To 40.27 %



MAT 3625

(n,3n)
Cross Section

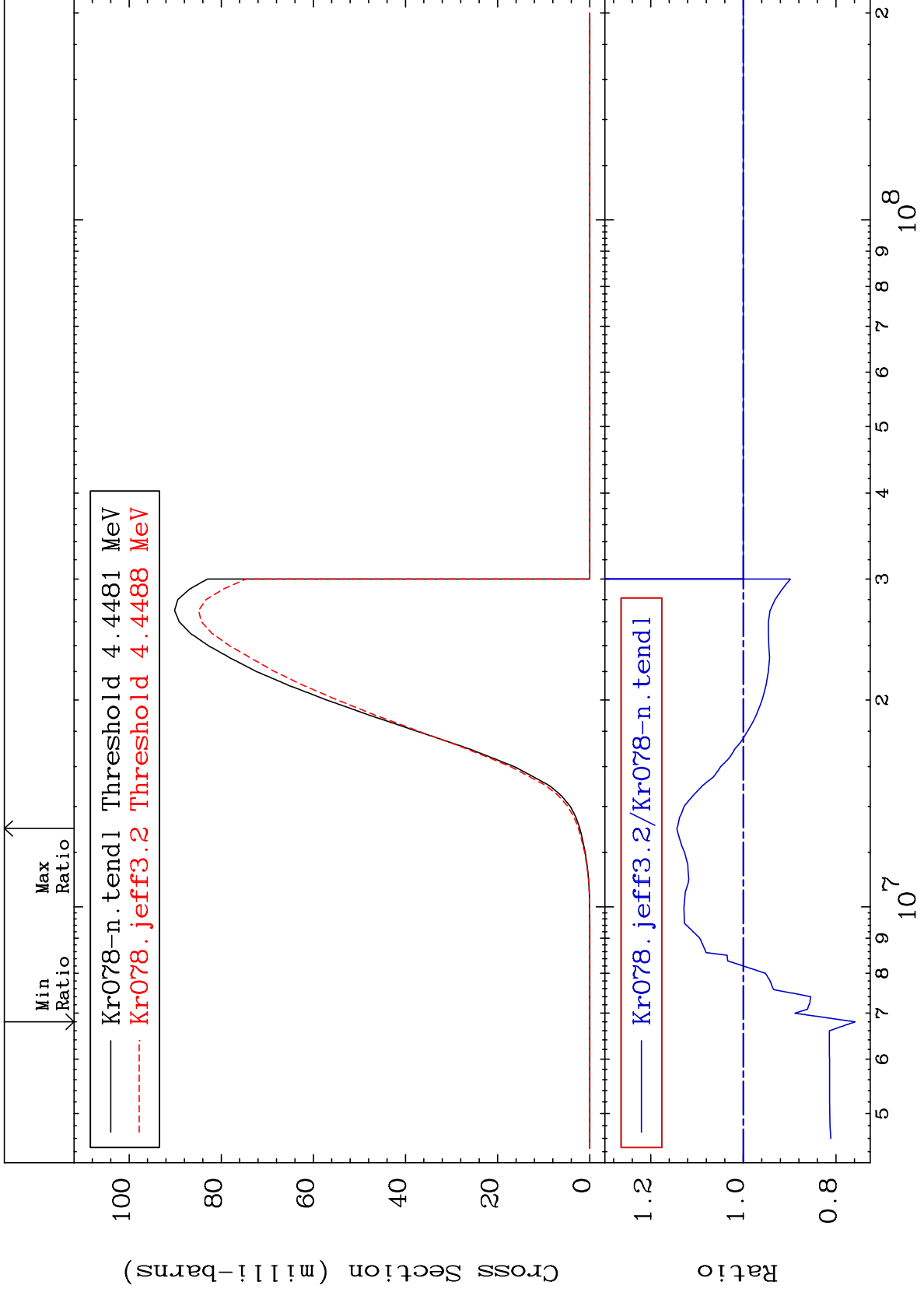
³⁶Kr-78
0.000 To 81.04 %



MAT 3625

(n, n') α
Cross Section

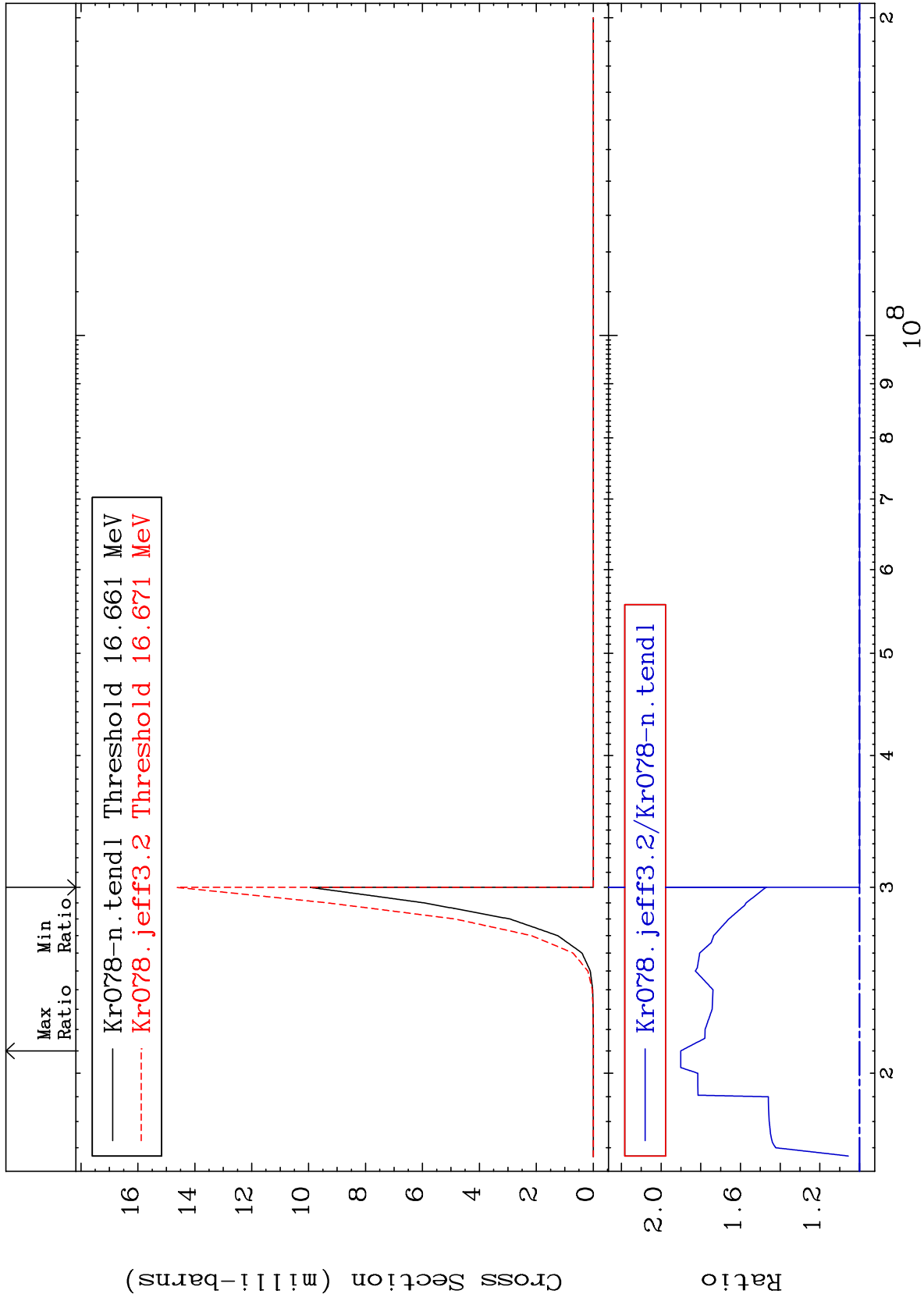
³⁶Kr-78
-24.14 To 14.34 %



MAT 3625

(n,2n) α
Cross Section

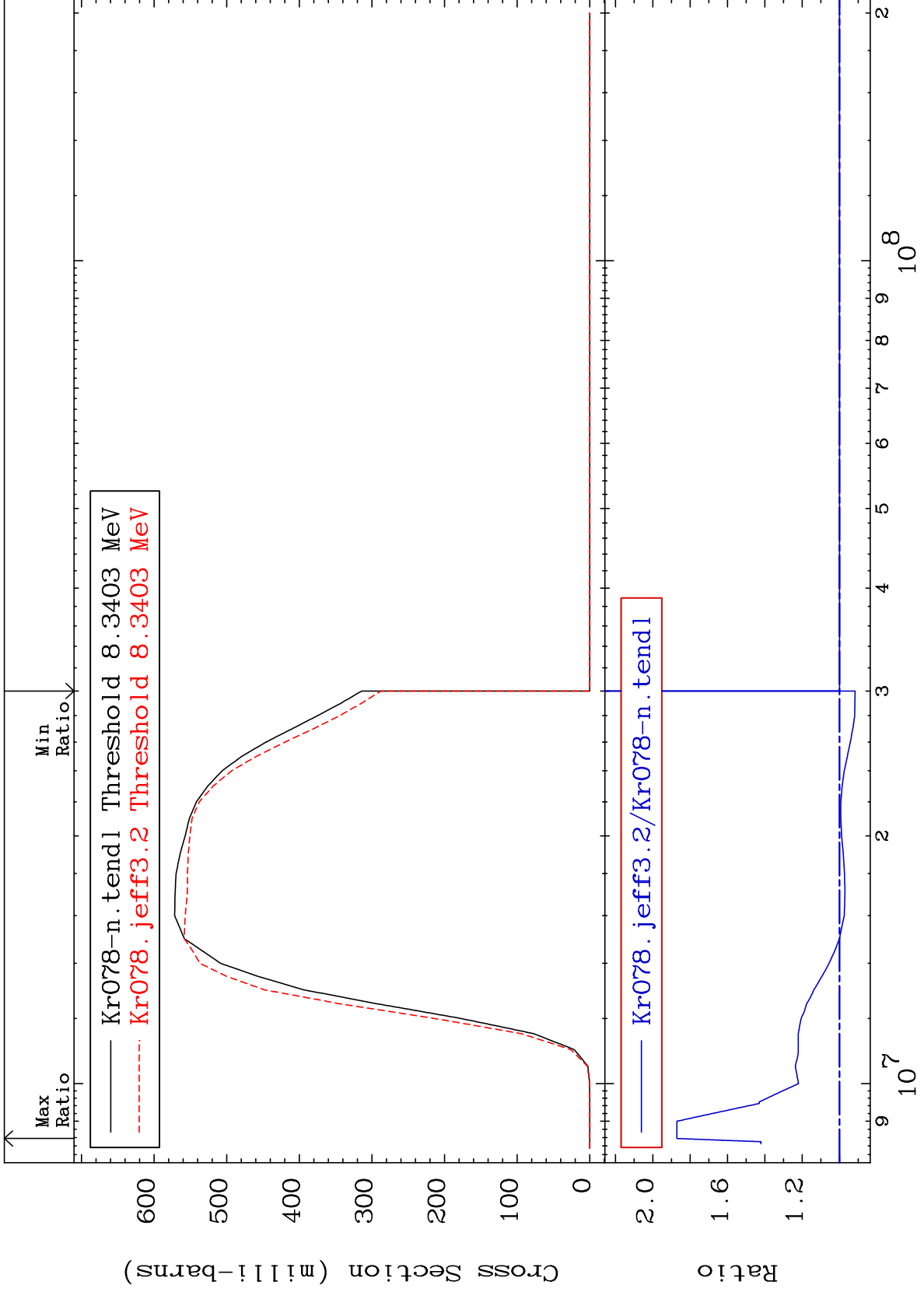
36-Kr-78
0.000 To 90.08 %



MAT 3625

(n, n') p
Cross Section

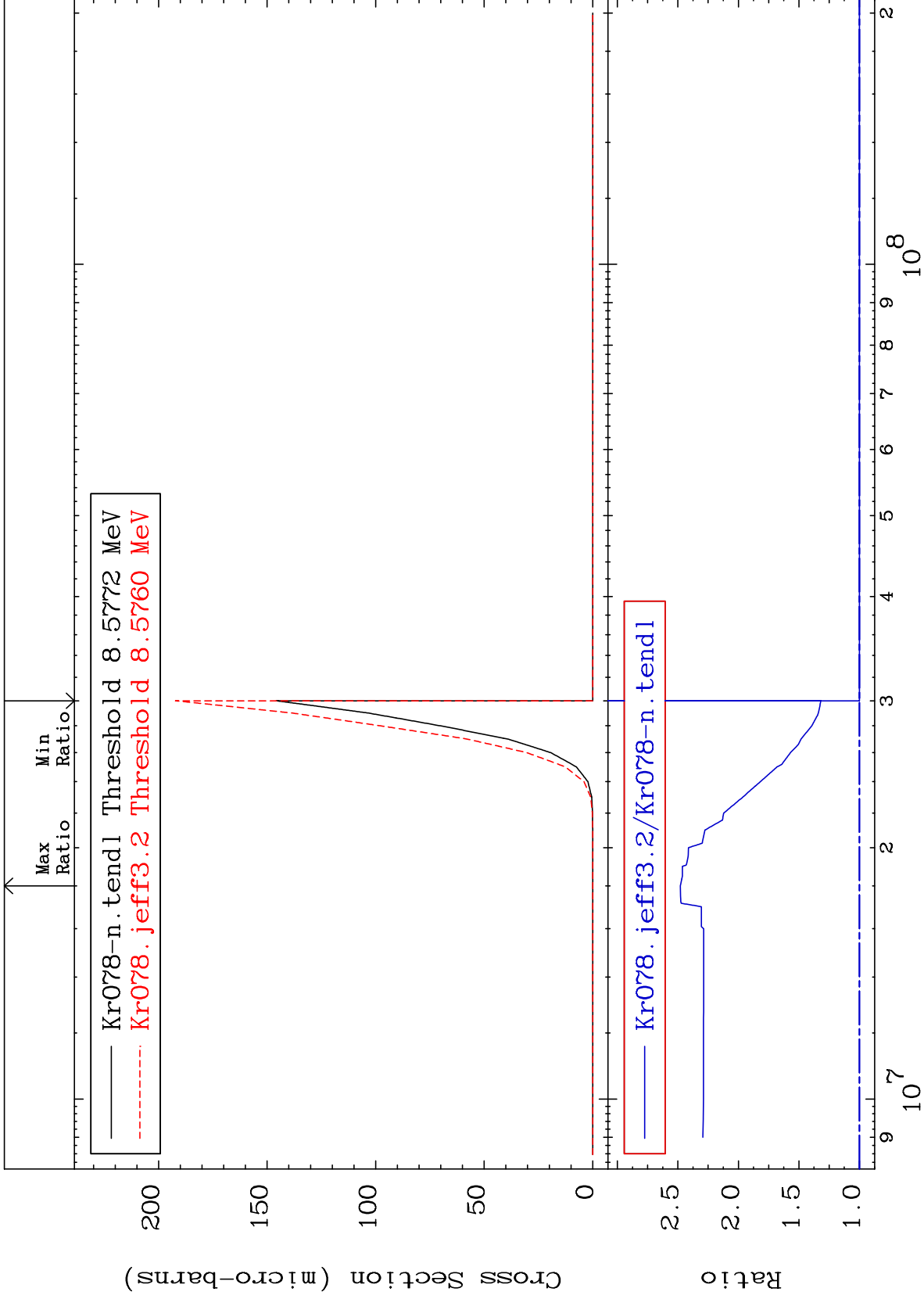
³⁶Kr-78
-8.374 To 87.10 %



MAT 3625

(n, n') 2α
Cross Section

36-Kr-78
To 147.9 %
0.000



10

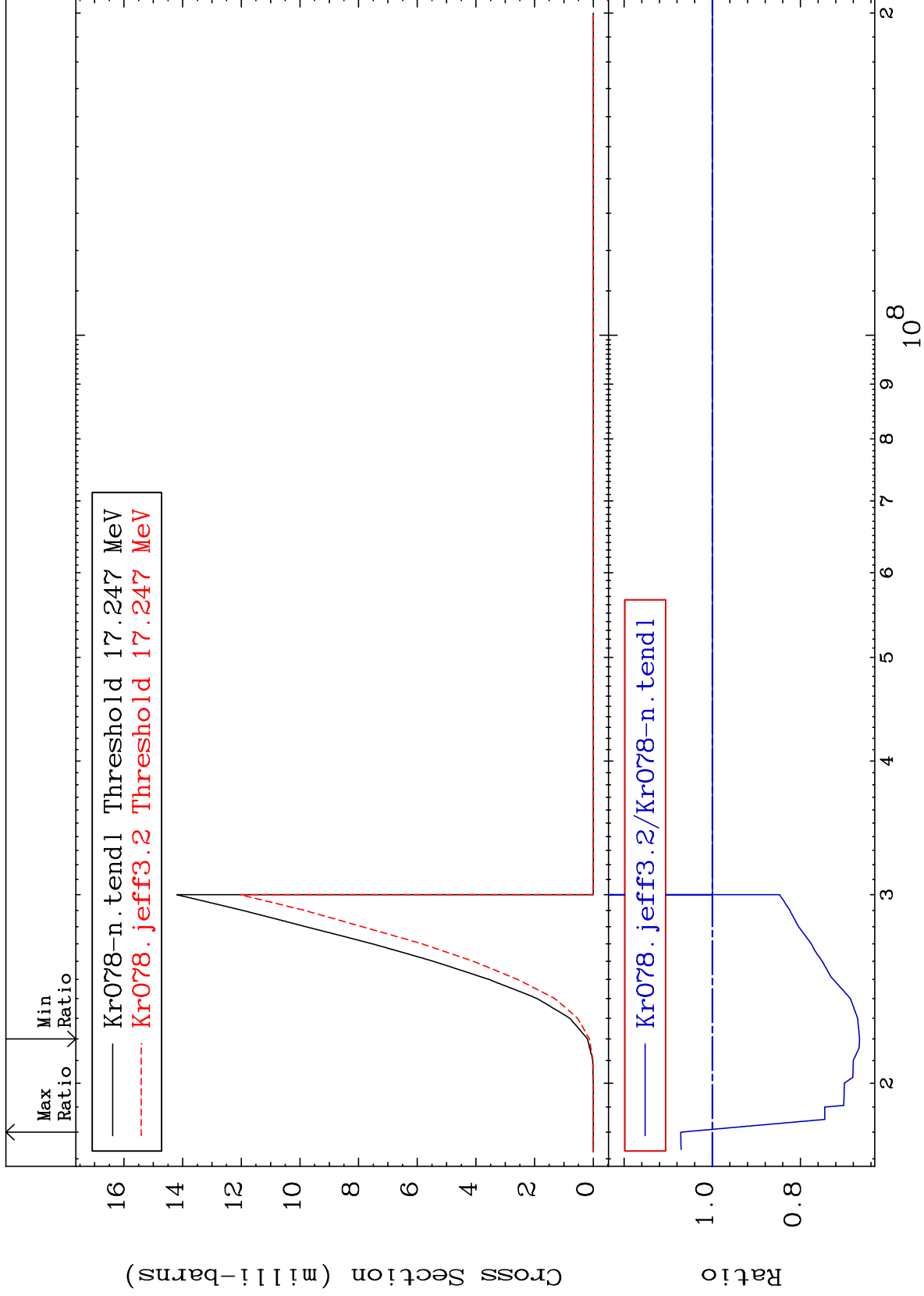
Incident Energy (eV)

36-Kr-78

MAT 3625

(n,n') d
Cross Section

³⁶Kr-78
-33.41 To 7.150 %



11

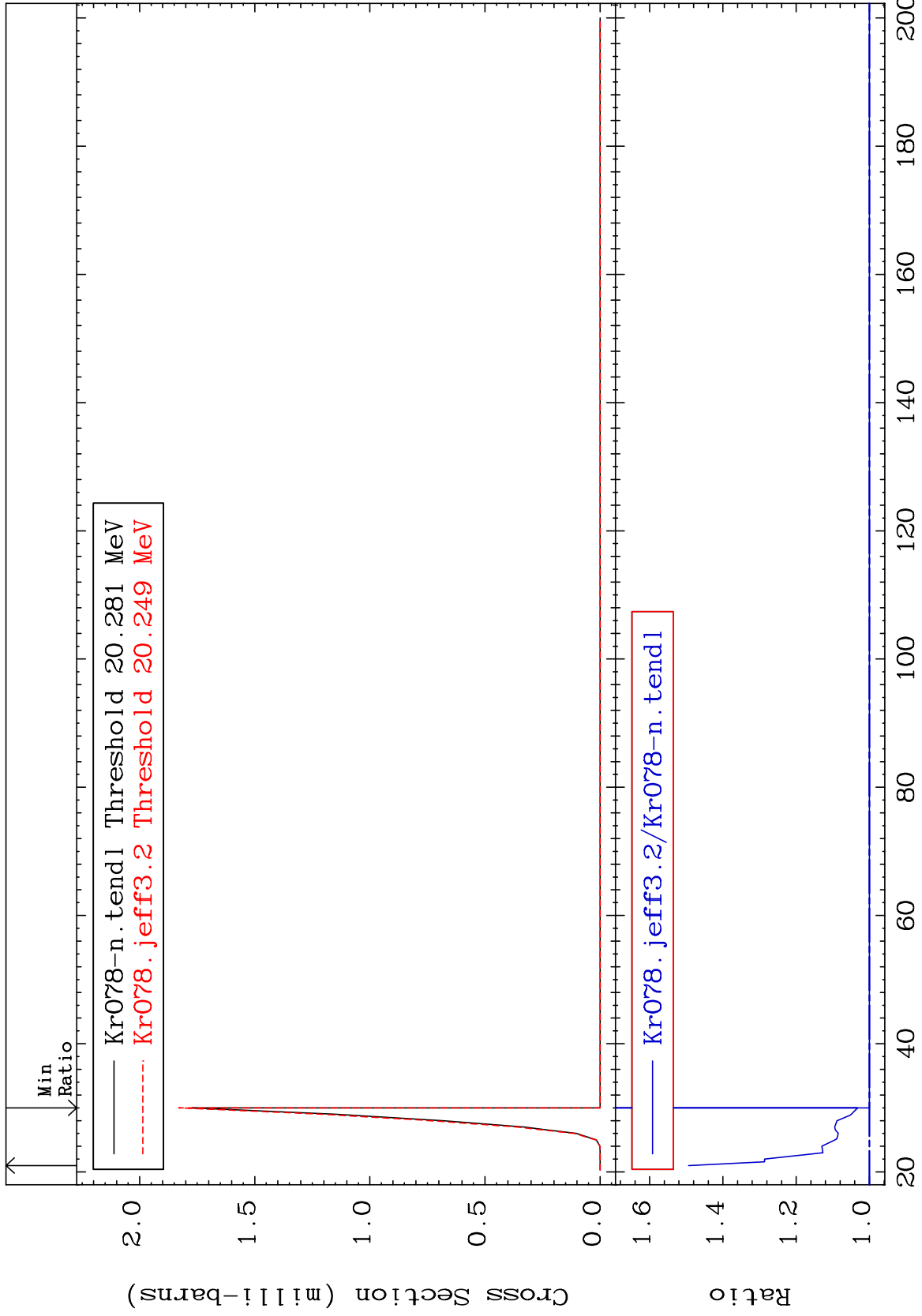
Incident Energy (eV)

³⁶Kr-78

MAT 3625

(n,n') t
Cross Section

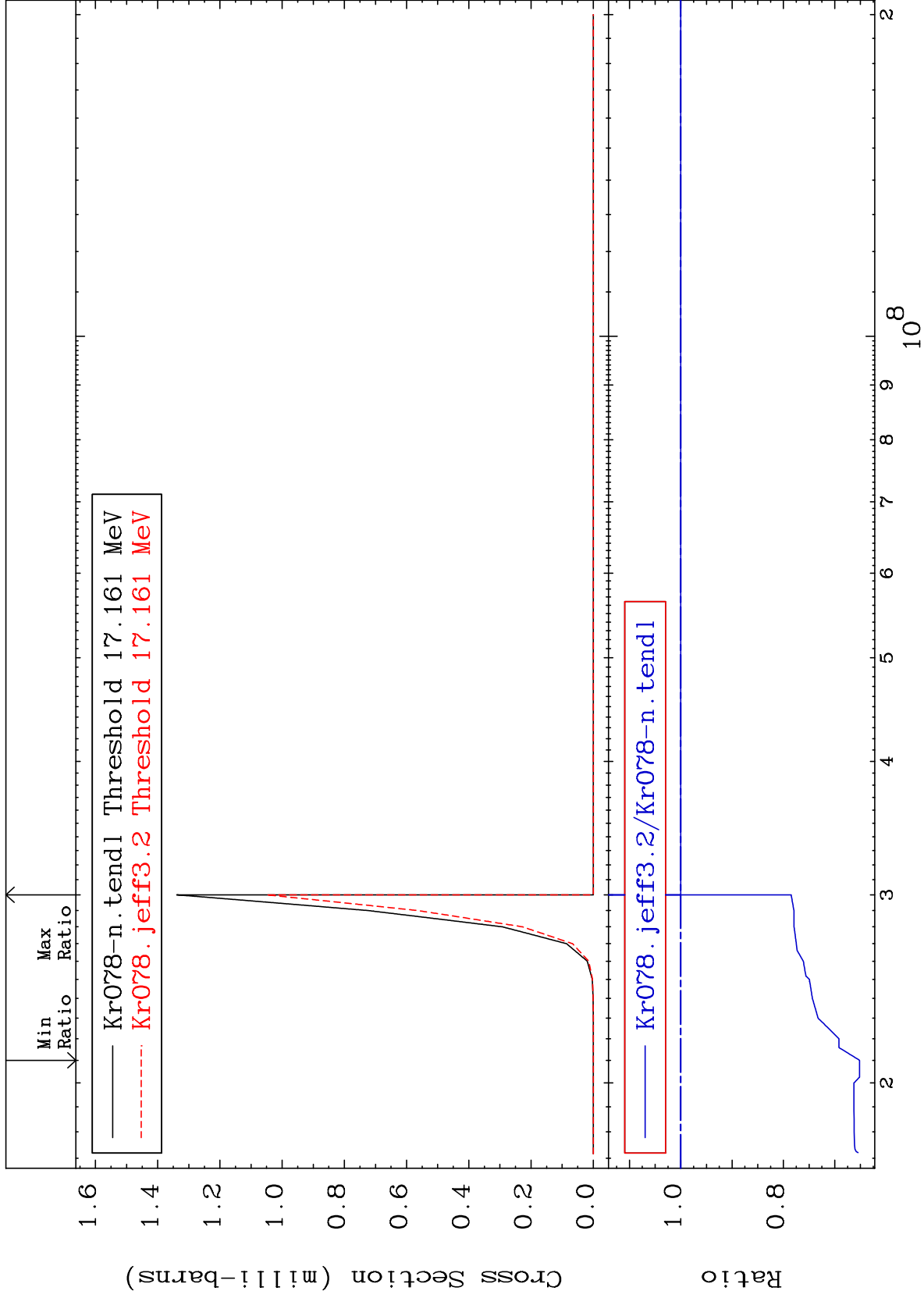
36-Kr-78
0.000 To 49.37 %



MAT 3625

(n, n') He-3
Cross Section

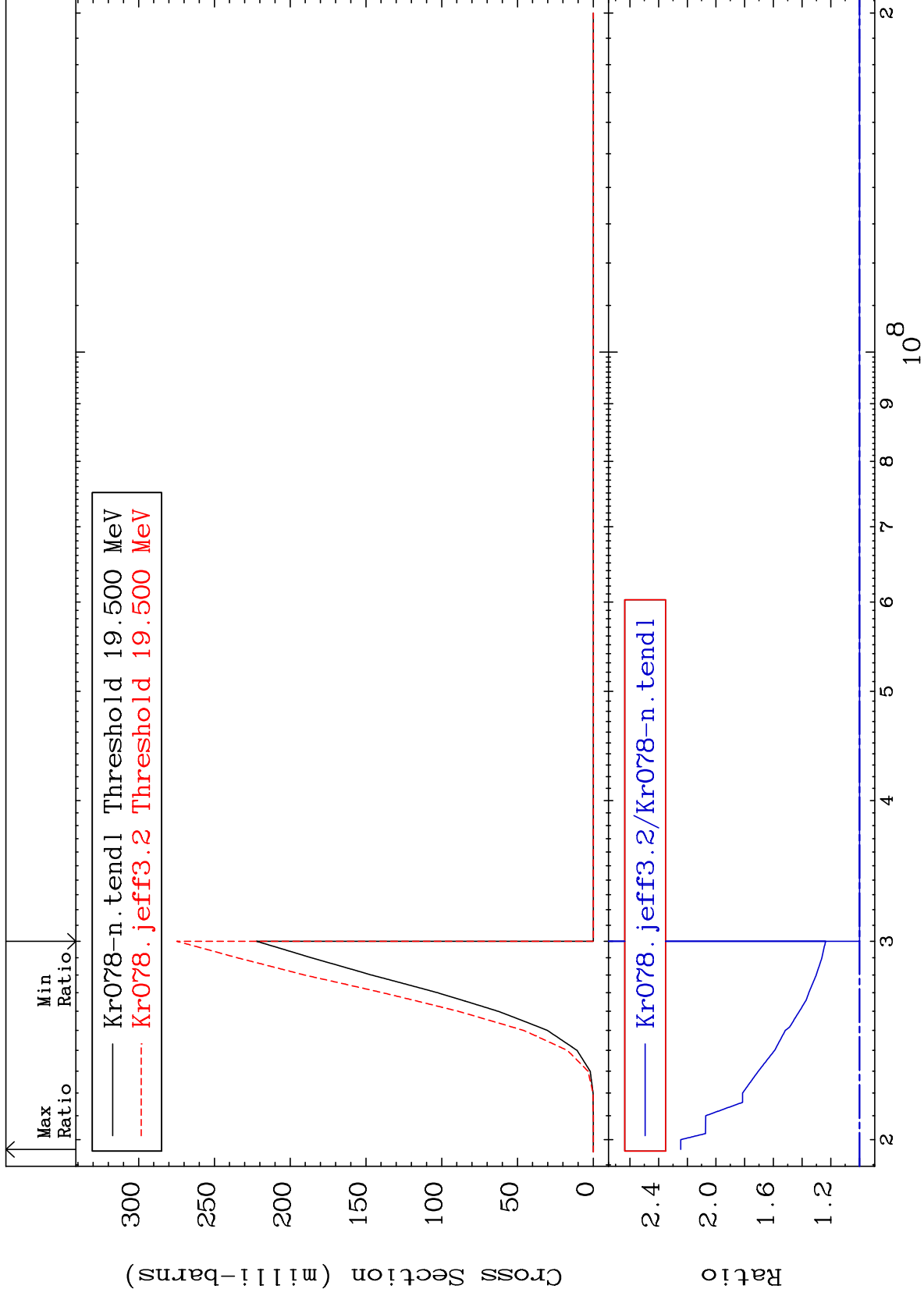
36-Kr-78
-34.82 To 0.000 %



MAT 3625

(n,2n) p
Cross Section

36-Kr-78
0.000 To 124.5 %



14

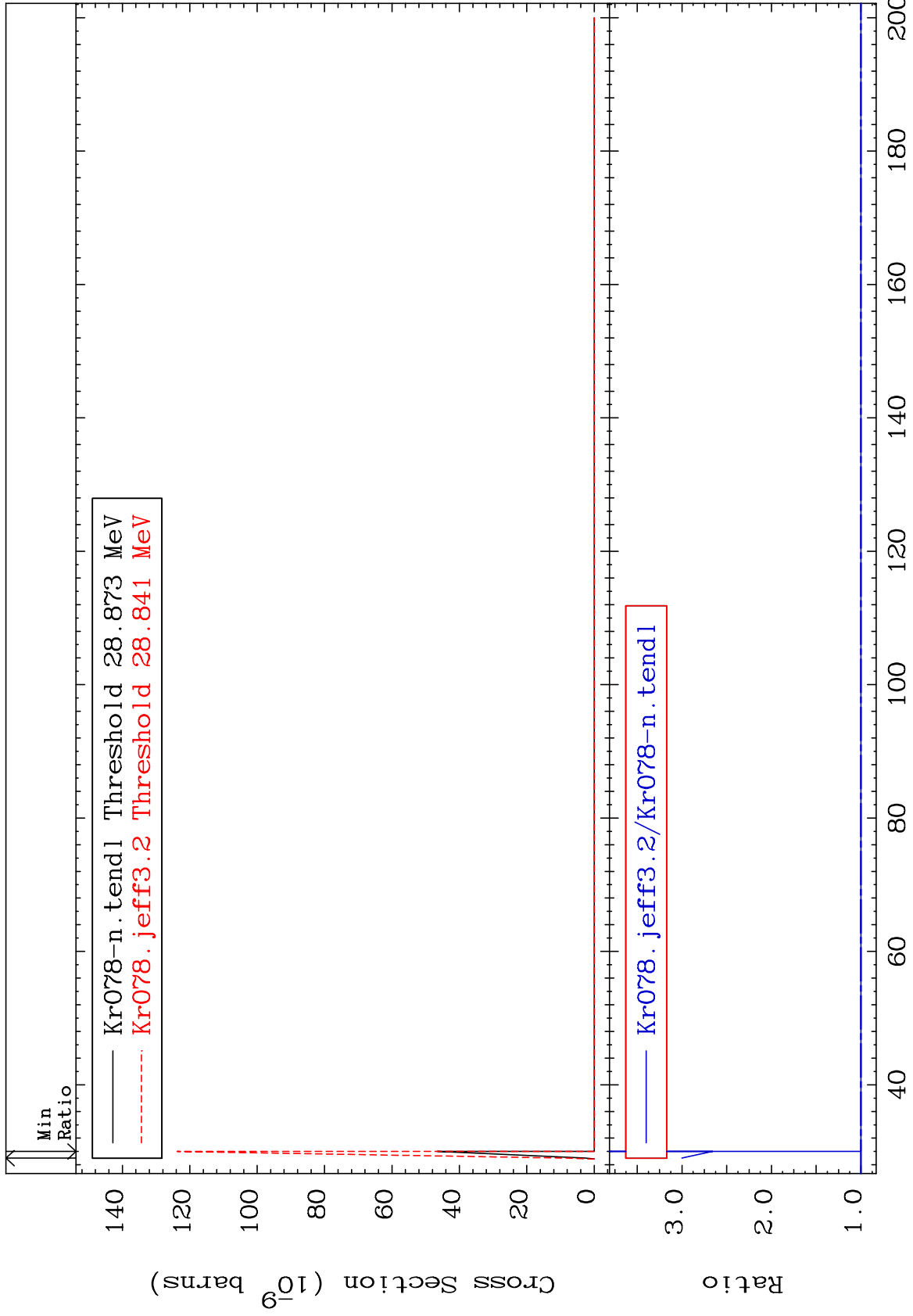
Incident Energy (eV)

36-Kr-78

MAT 3625

(n,3n) p
Cross Section

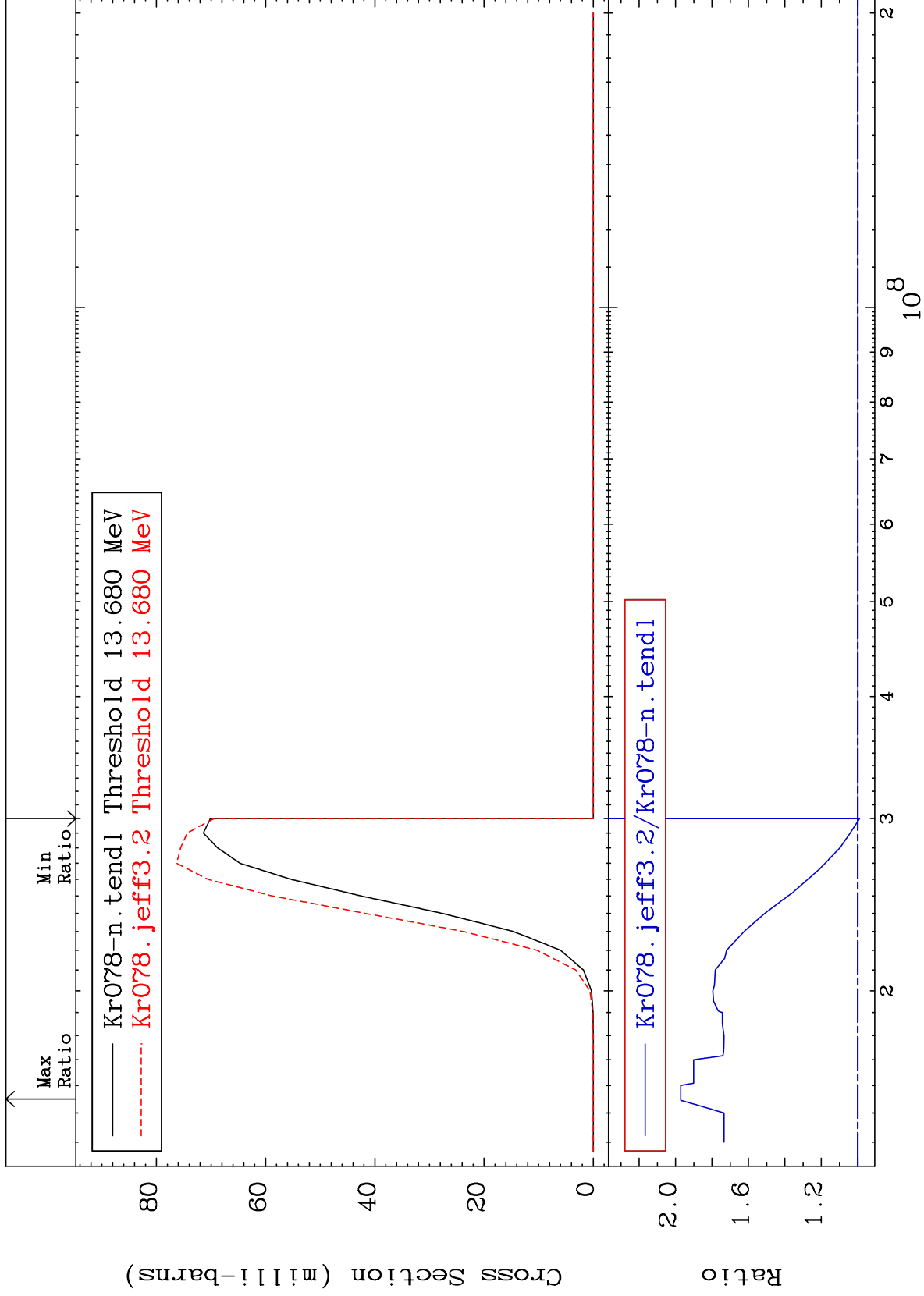
36-Kr-78
0.000 To 200.1 %



MAT 3625

(n,2n) p
Cross Section

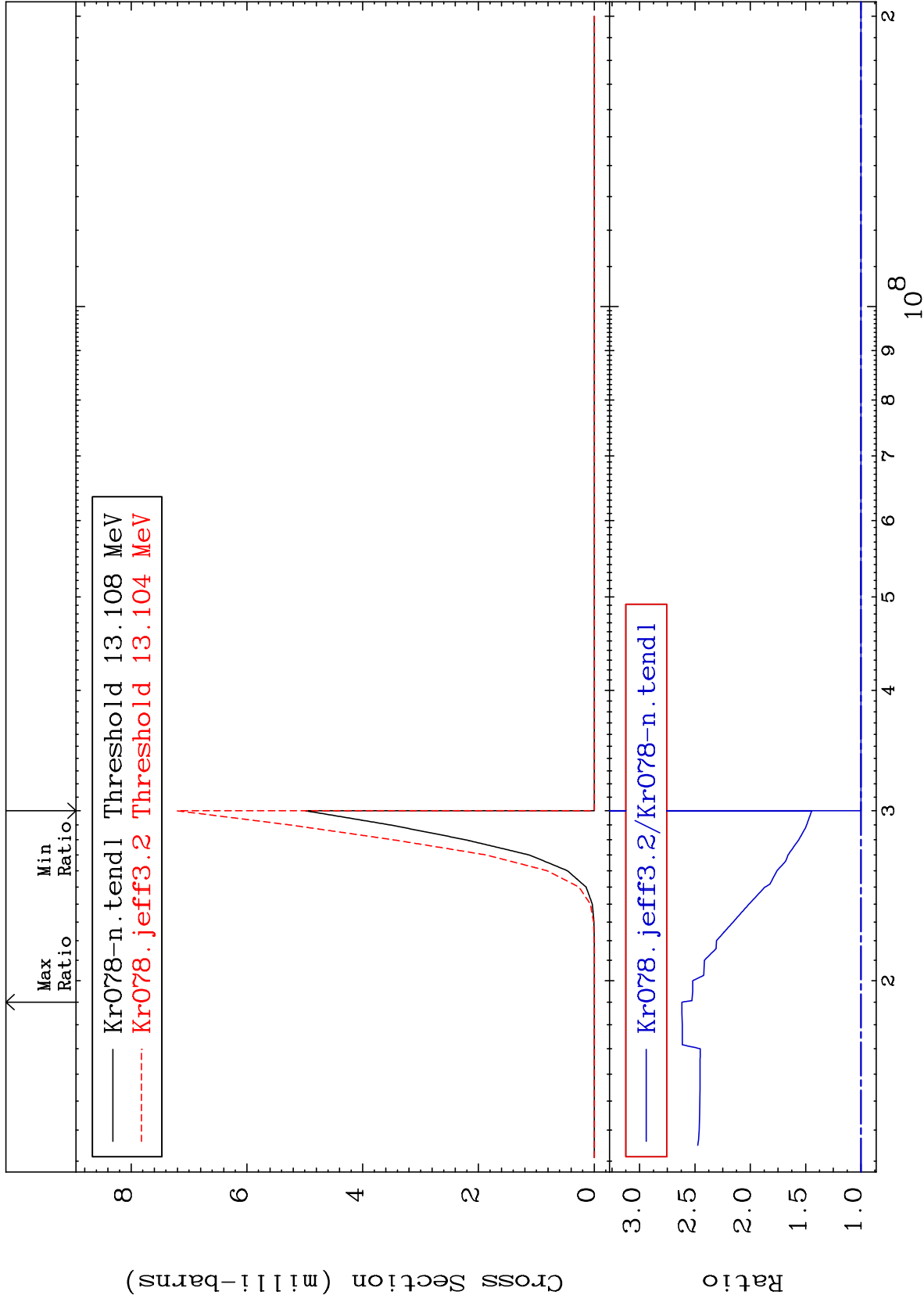
³⁶Kr-78
-0.968 To 97.15 %



MAT 3625

(n,n') p α
Cross Section

³⁶Kr-78
0.000 To 161.8 %



17

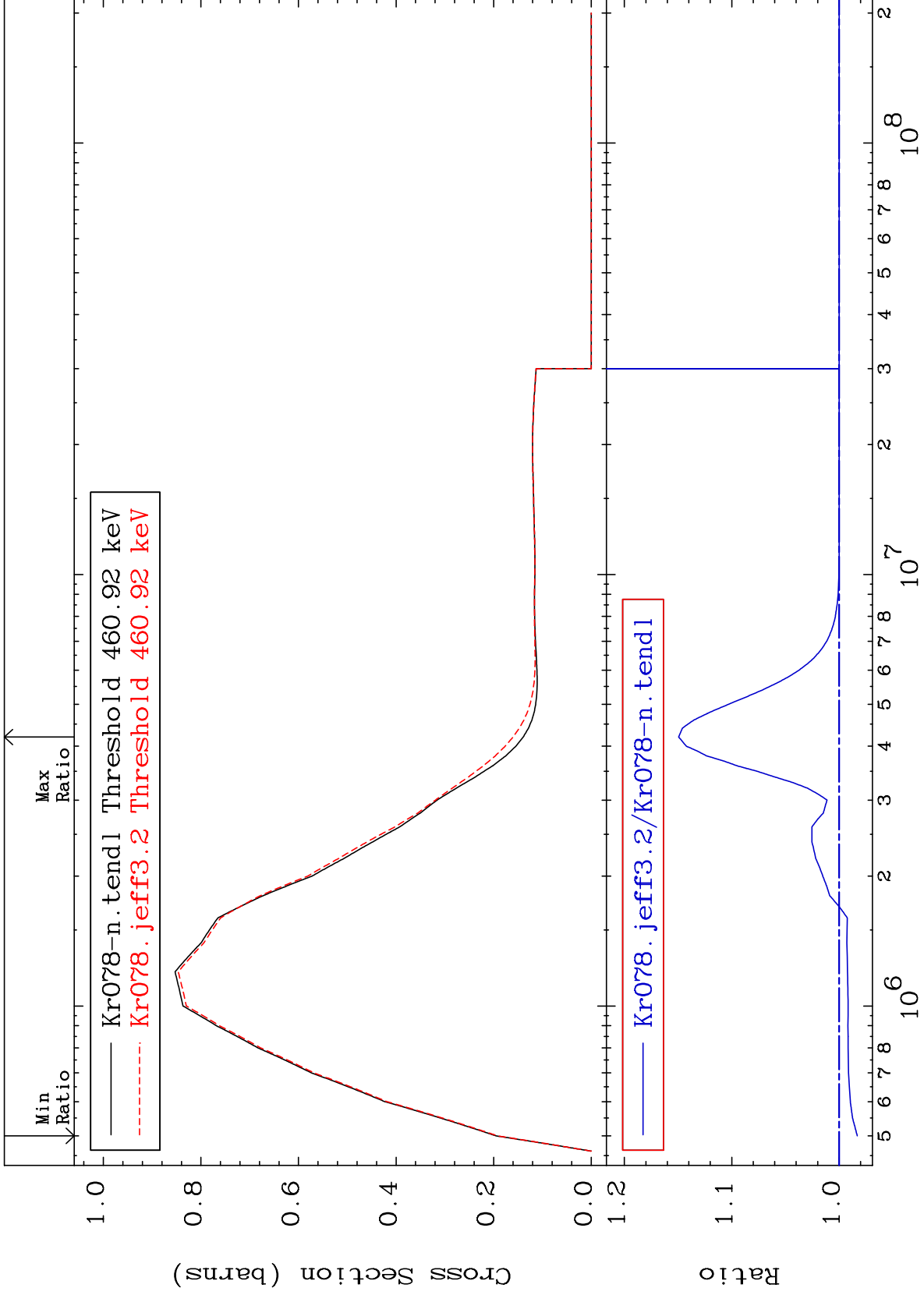
Incident Energy (eV)

³⁶Kr-78

MAT 3625

455.0 keV (n,n') Level
Cross Section

36-Kr-78
-1.685 To 14.95 %



18

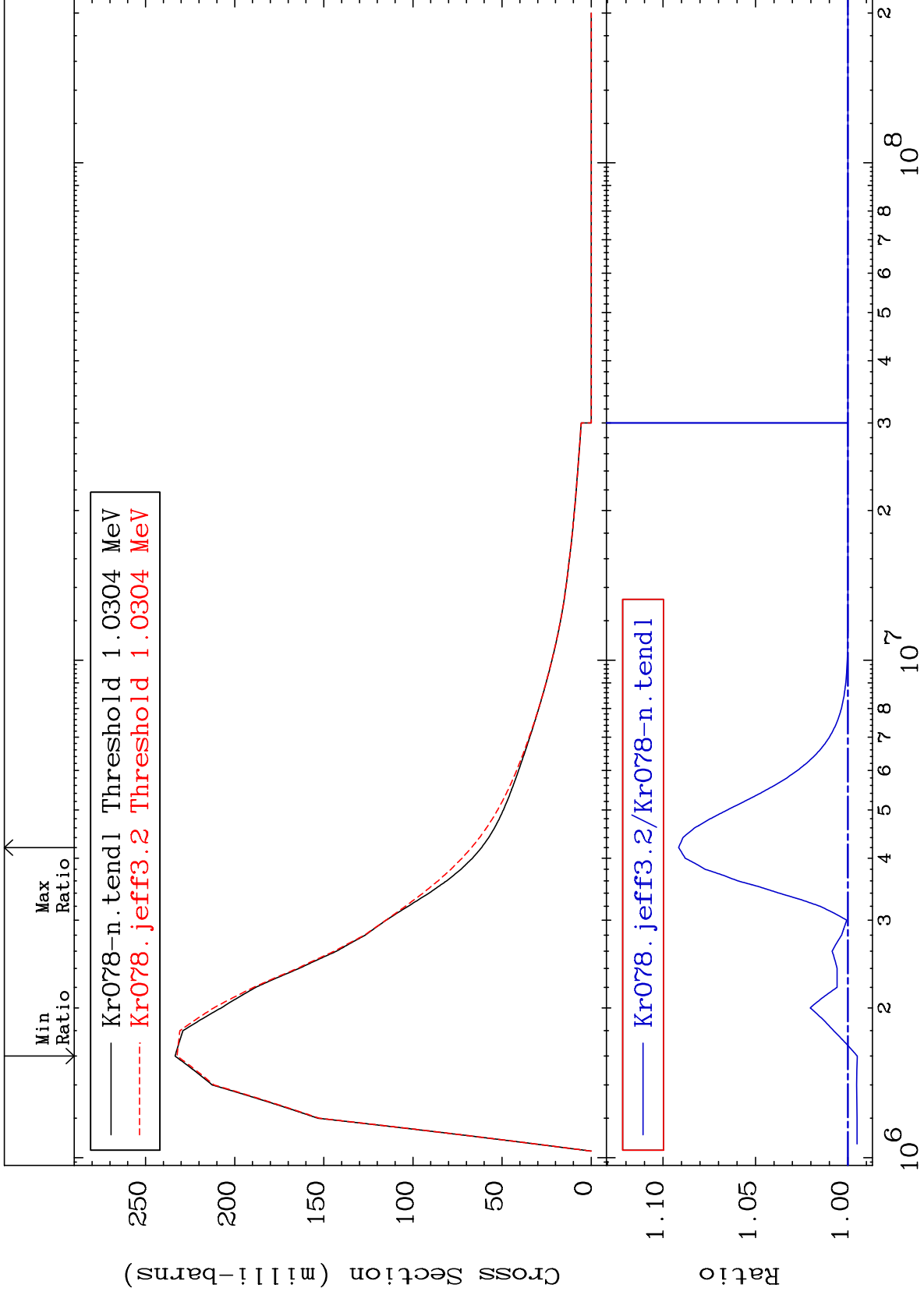
Incident Energy (eV)

36-Kr-78

MAT 3625

1.017 MeV (n,n') Level
Cross Section

36-Kr-78
-0.503 To 9.153 %



19

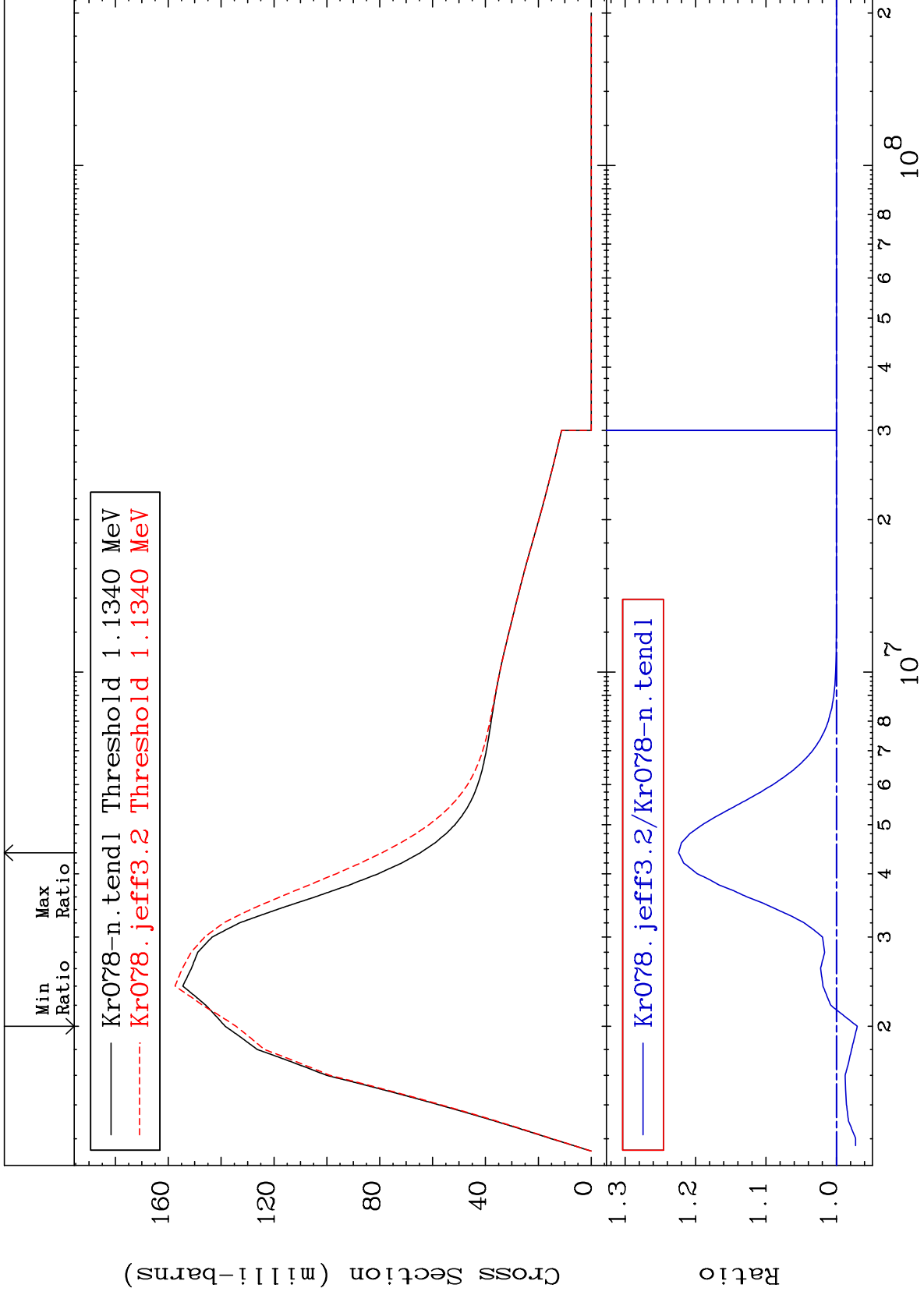
Incident Energy (eV)

36-Kr-78

MAT 3625

1.119 MeV (n,n') Level
Cross Section

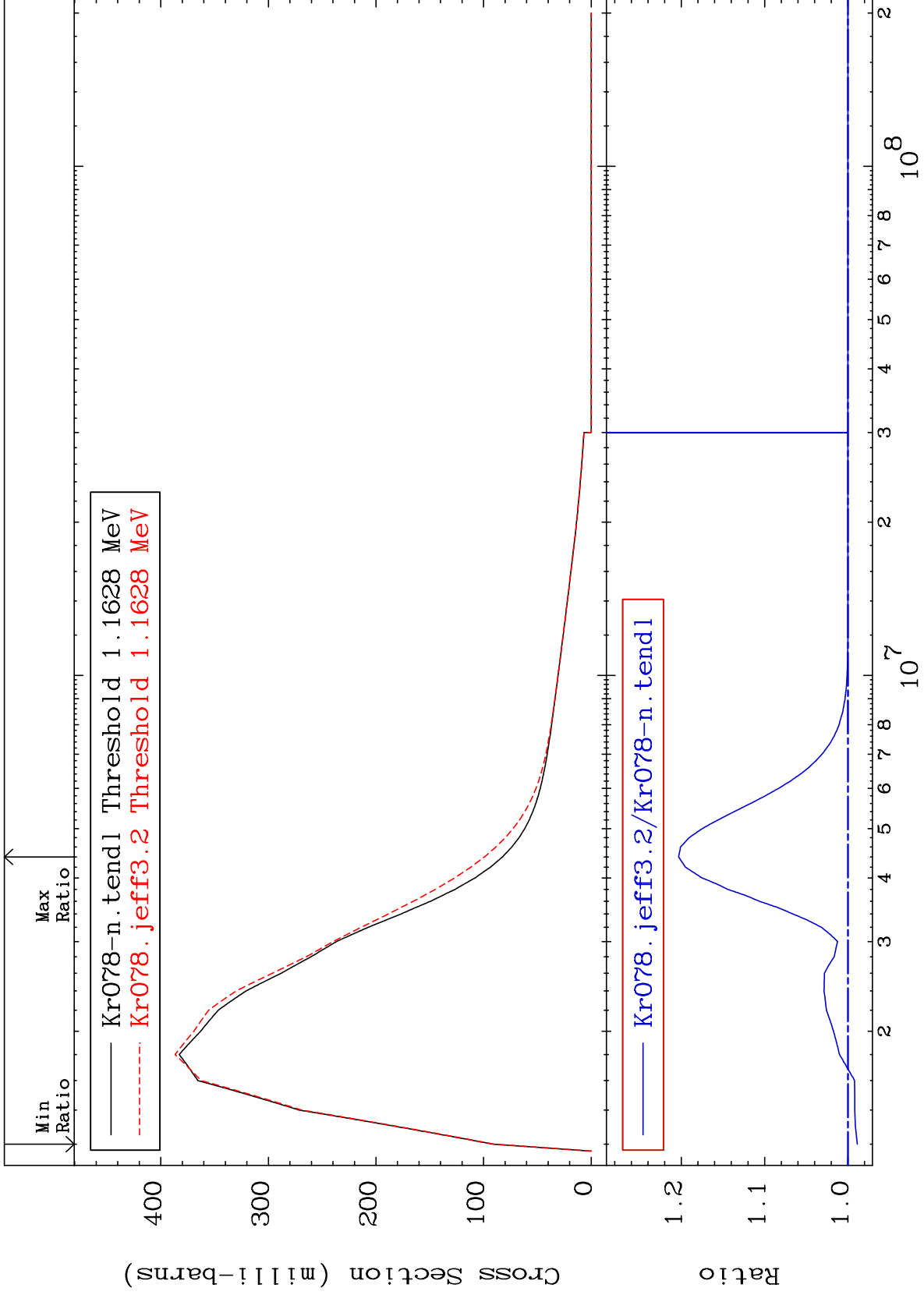
36-Kr-78
-2.953 To 22.40 %



MAT 3625

1.148 MeV (n,n') Level
Cross Section

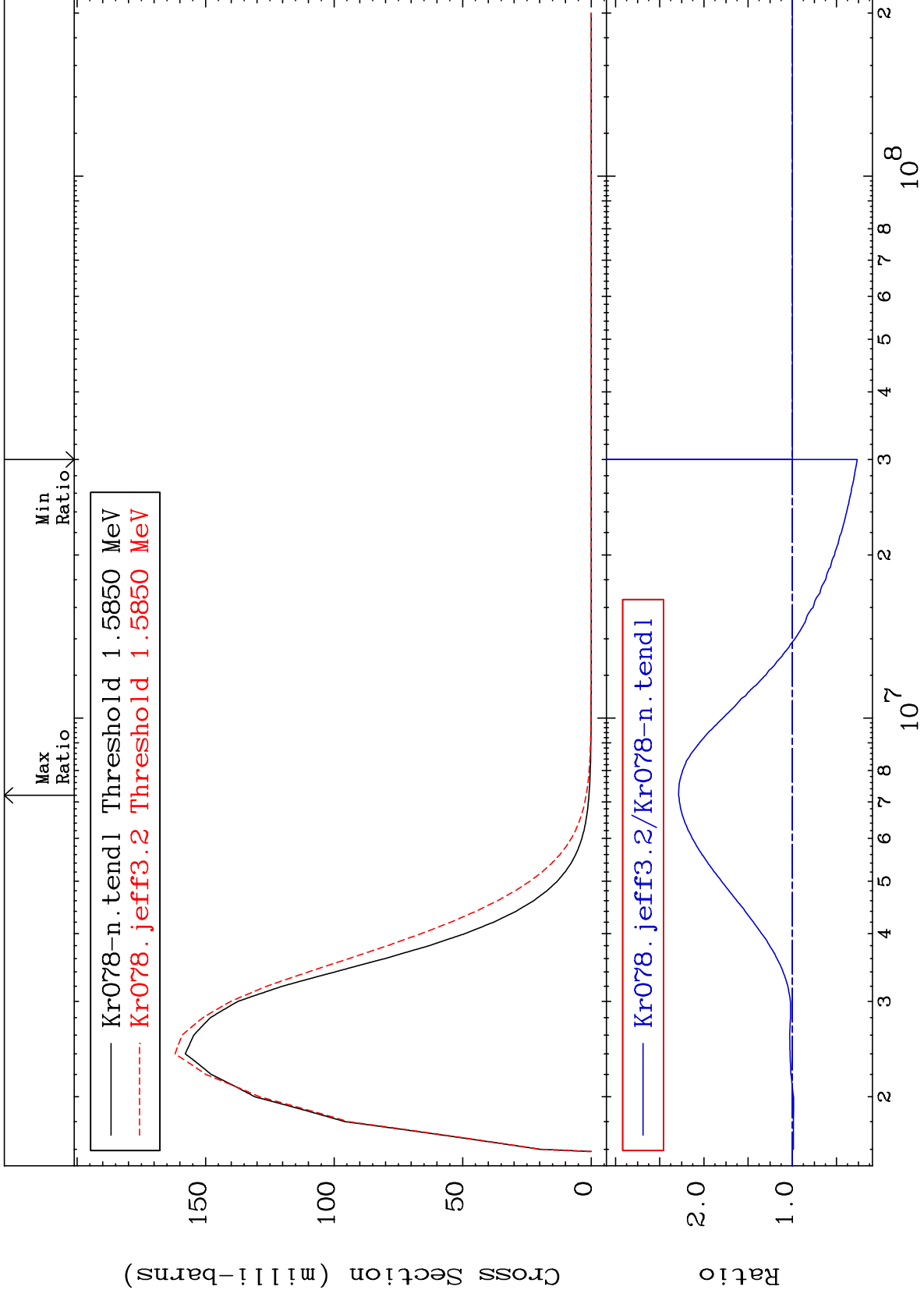
36-Kr-78
-1.119 To 20.32 %



MAT 3625

1.565 MeV (n,n') Level
Cross Section

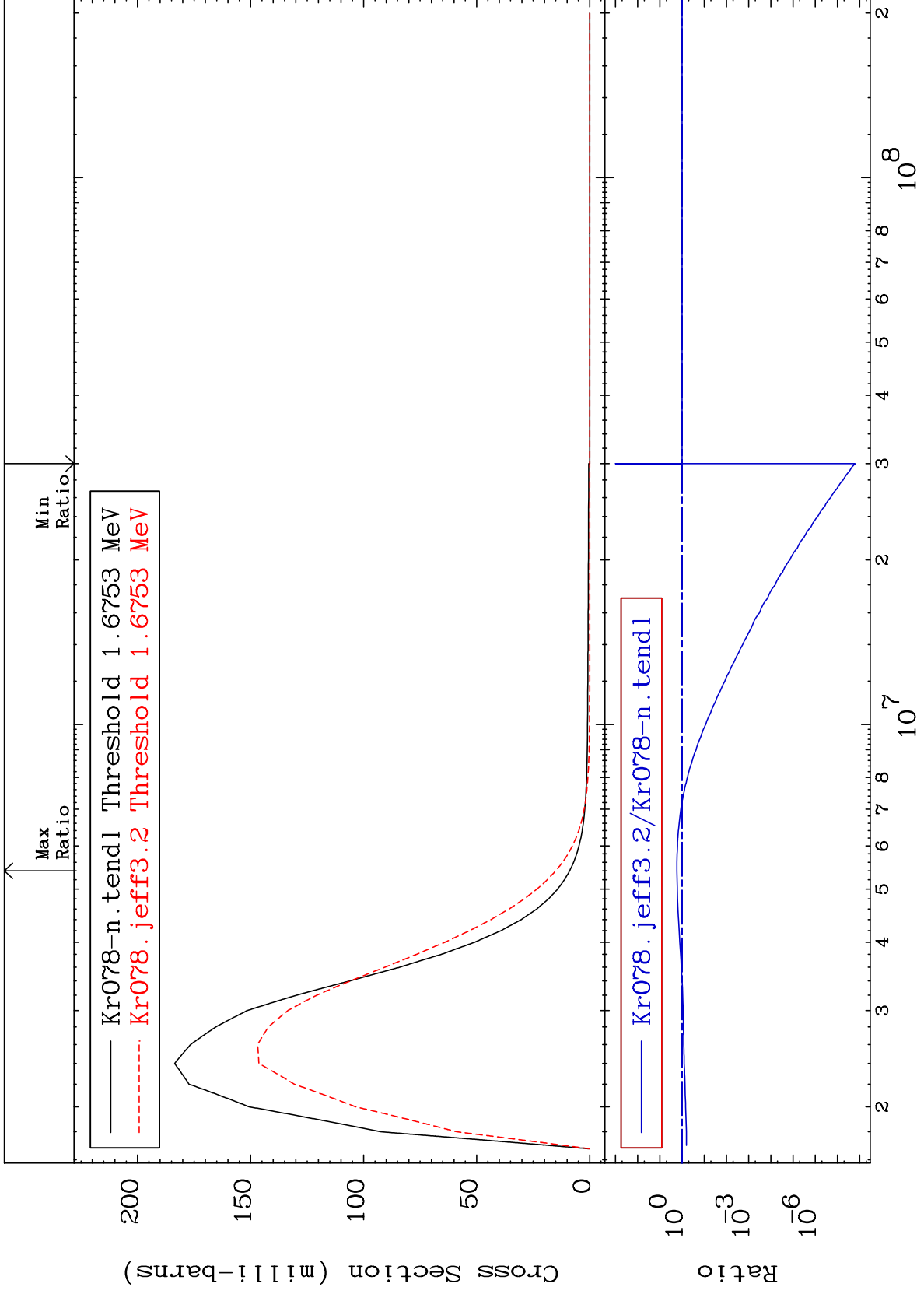
36-Kr-78
-73.51 To 128.6 %



MAT 3625

1.654 MeV (n,n') Level
Cross Section

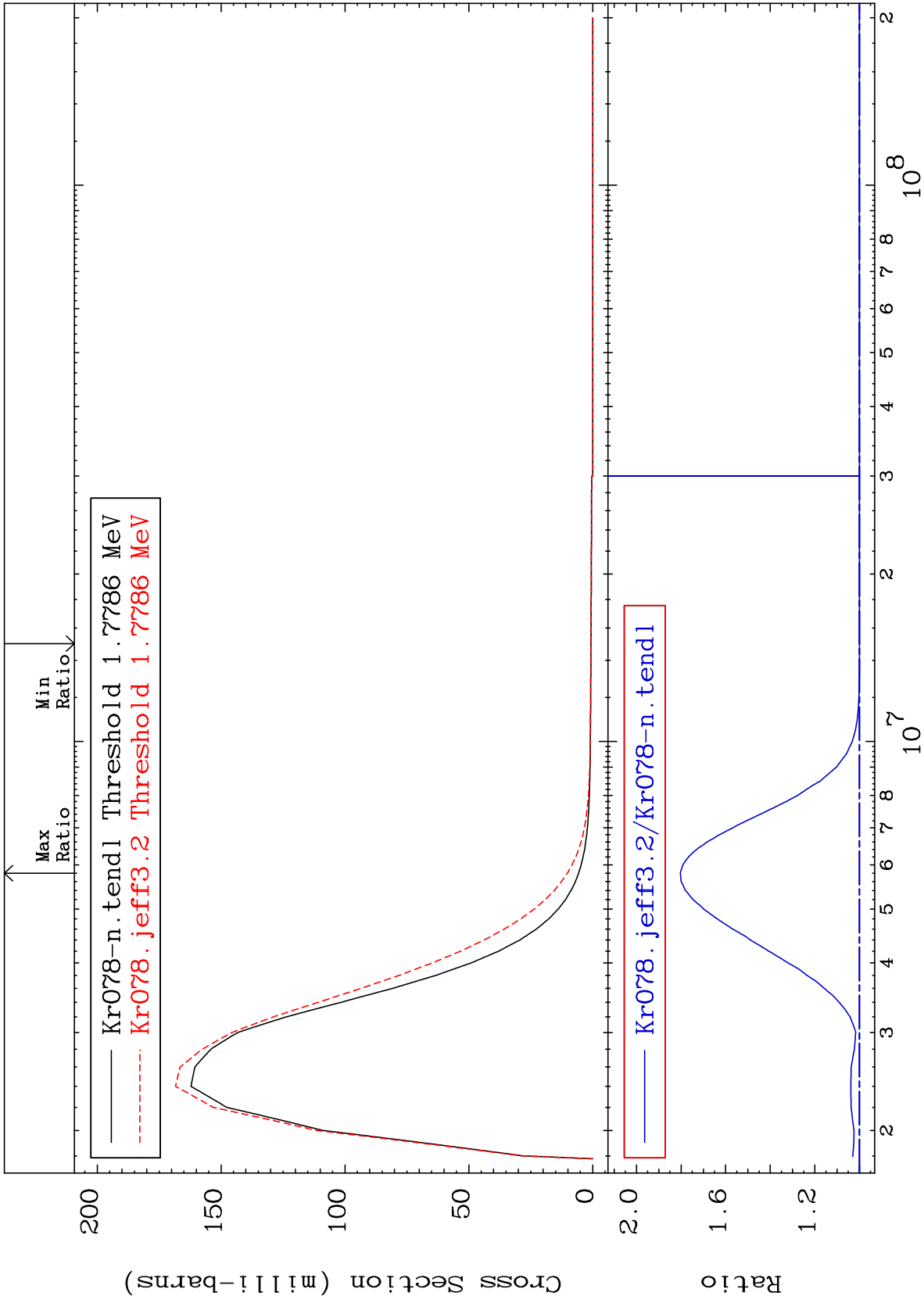
36-Kr-78
-100.0 To 69.60 %



MAT 3625

1.756 MeV (n,n') Level
Cross Section

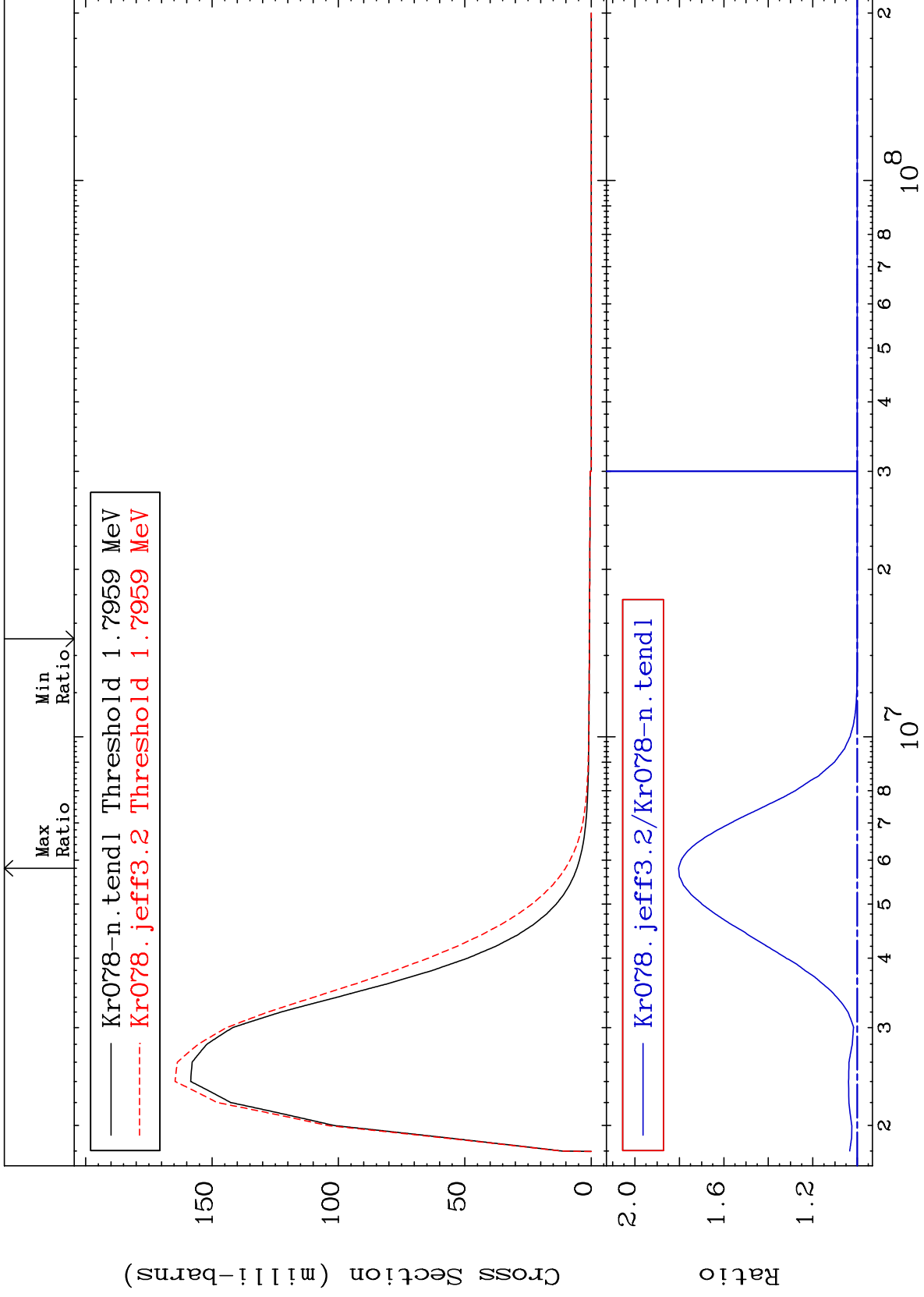
³⁶Kr-78
-0.011 To 80.32 %



MAT 3625

1.773 MeV (n,n') Level
Cross Section

36-Kr-78
-0.011 To 80.33 %



25

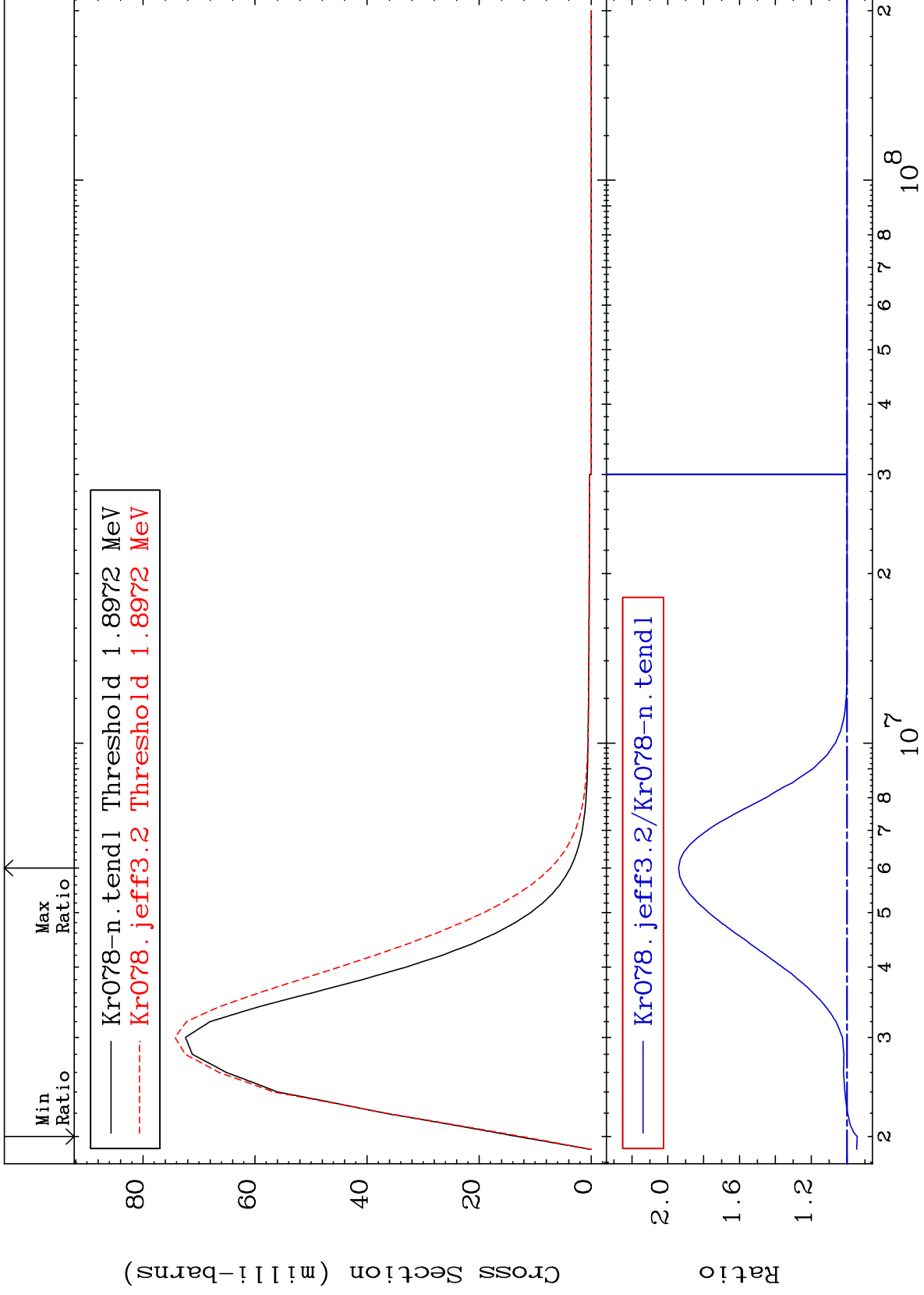
Incident Energy (eV)

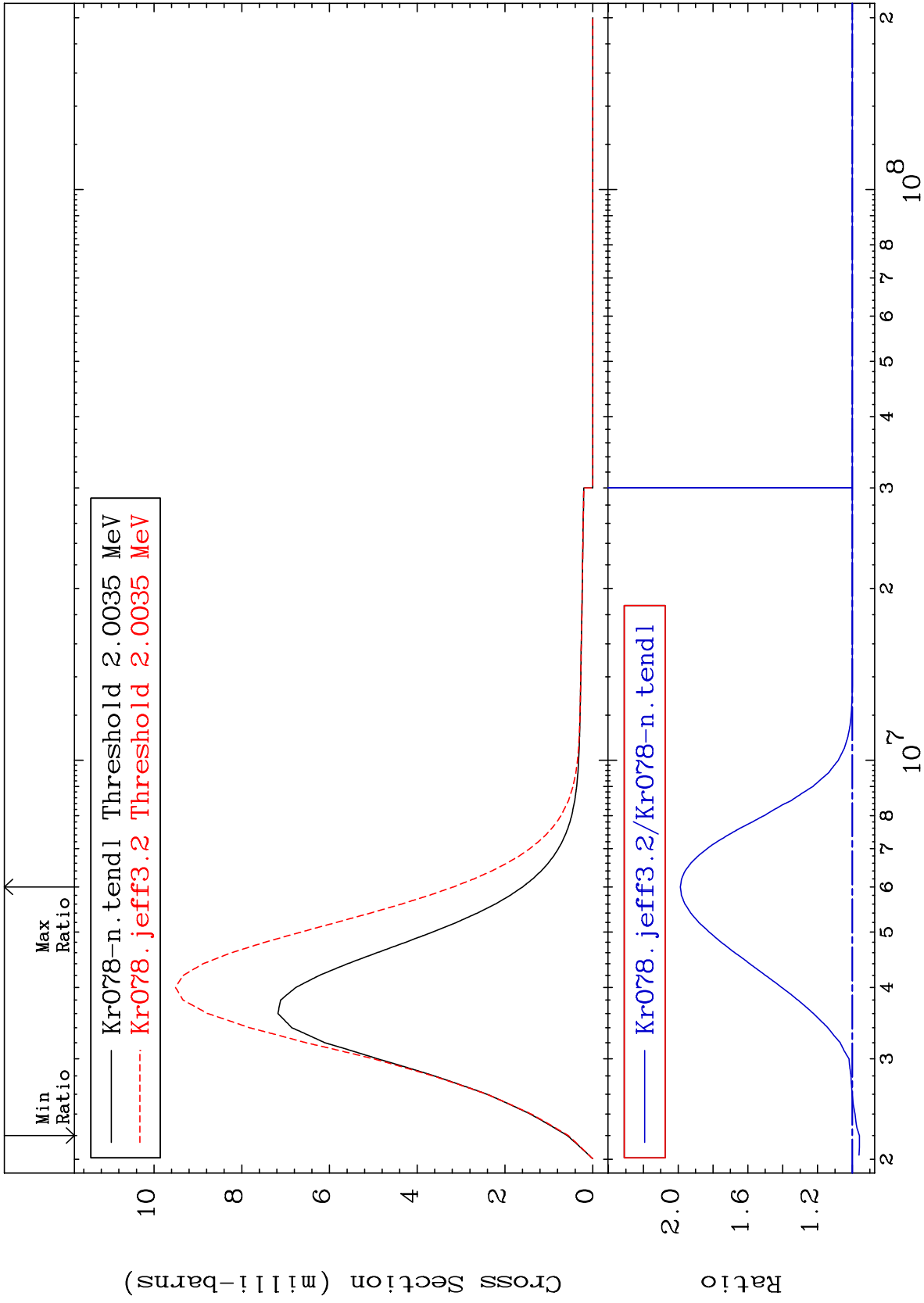
36-Kr-78

MAT 3625

1.873 MeV (n,n') Level
Cross Section

36-Kr-78
-5.682 To 93.94 %

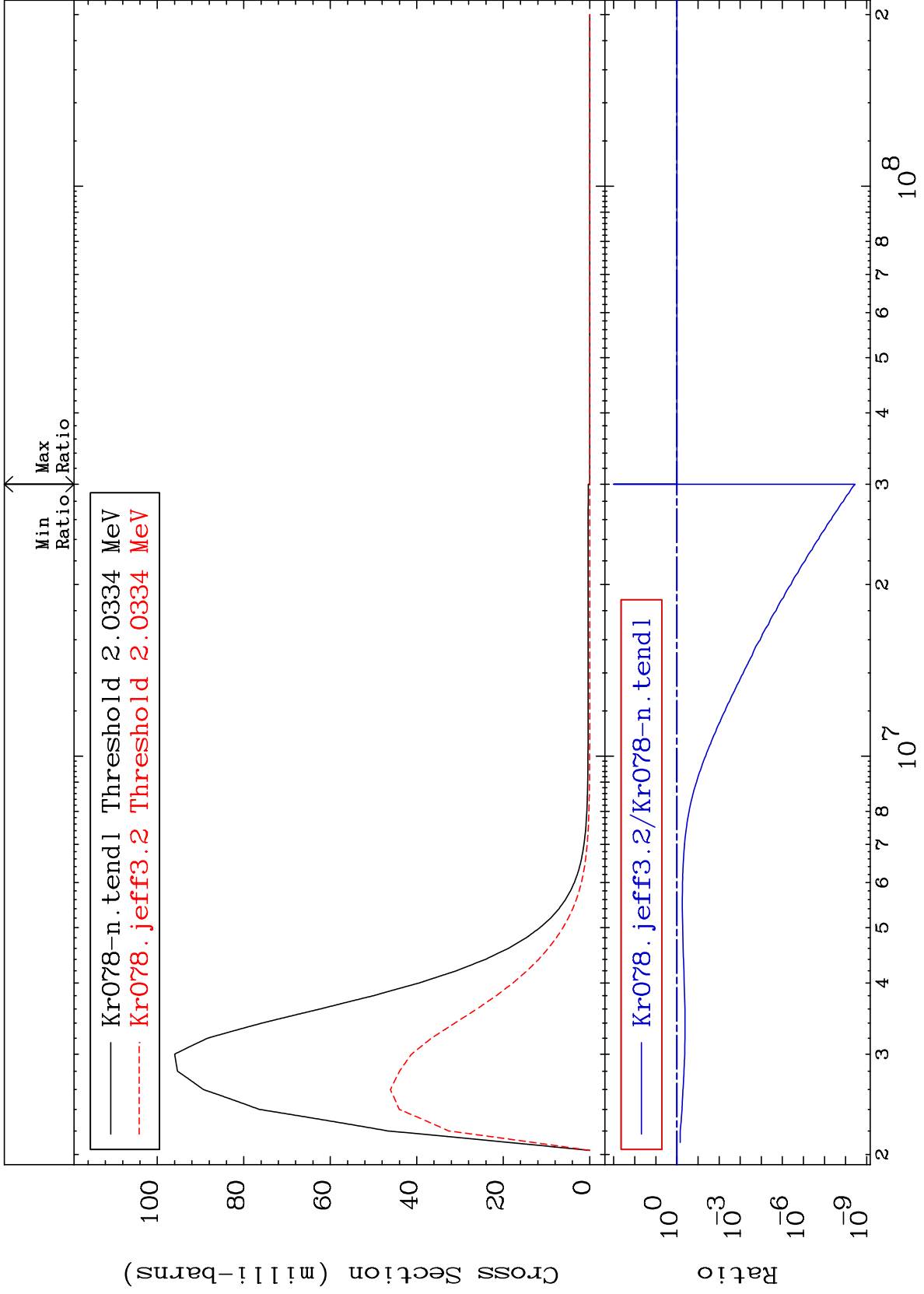


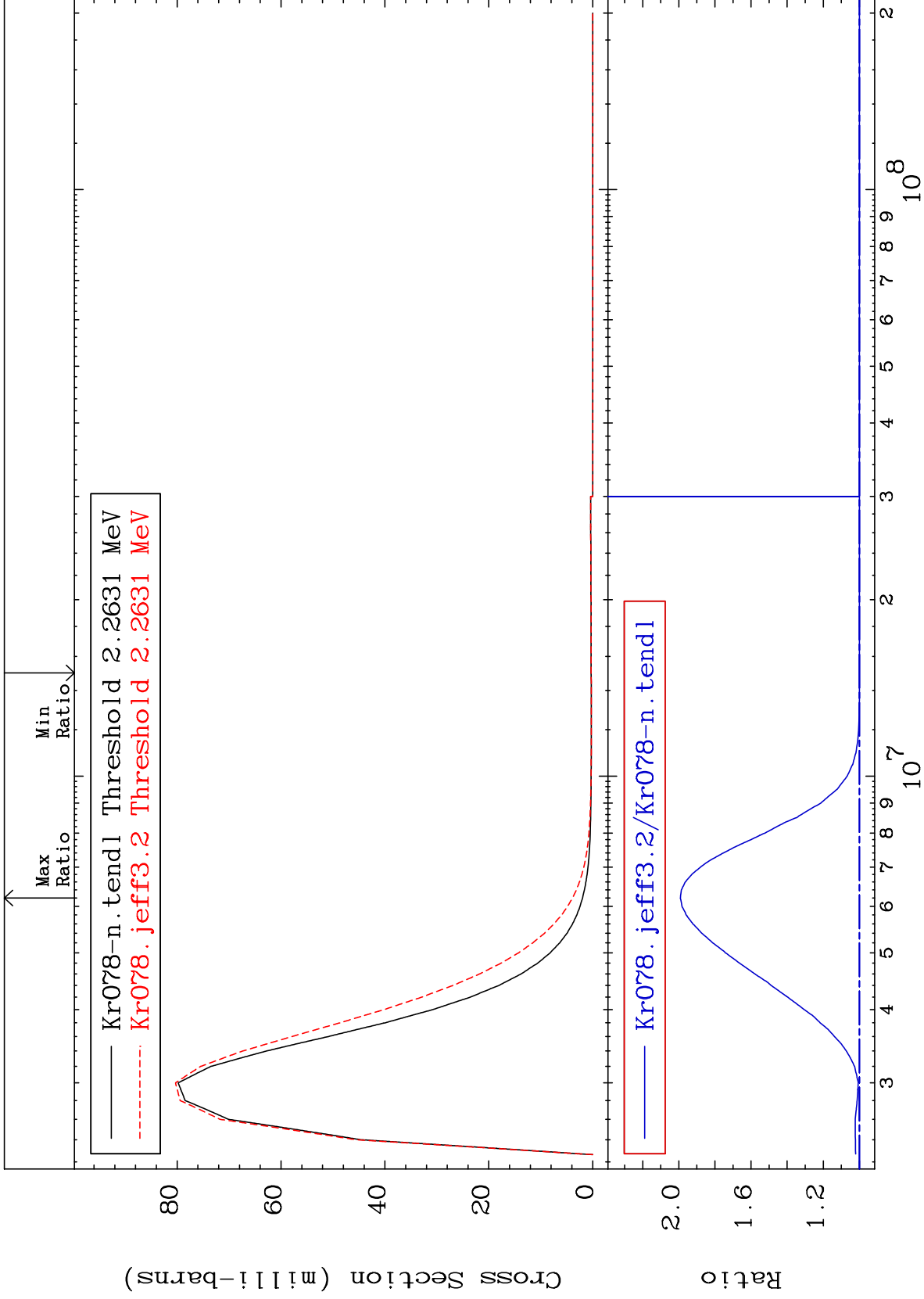


MAT 3625

2.007 MeV (n,n') Level
Cross Section

36-Kr-78
-100.0 To 0.000 %

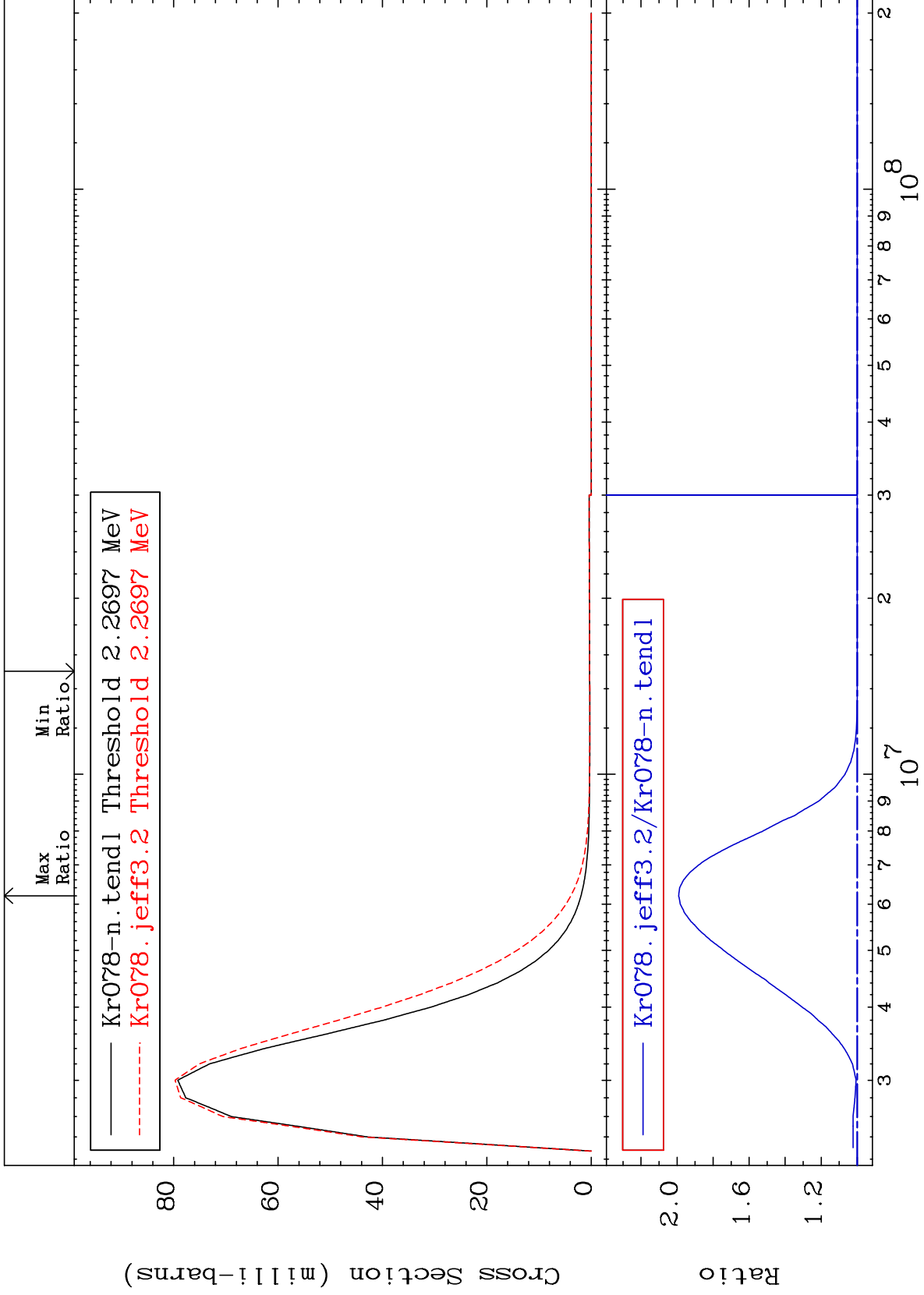




MAT 3625

2.241 MeV (n,n') Level
Cross Section

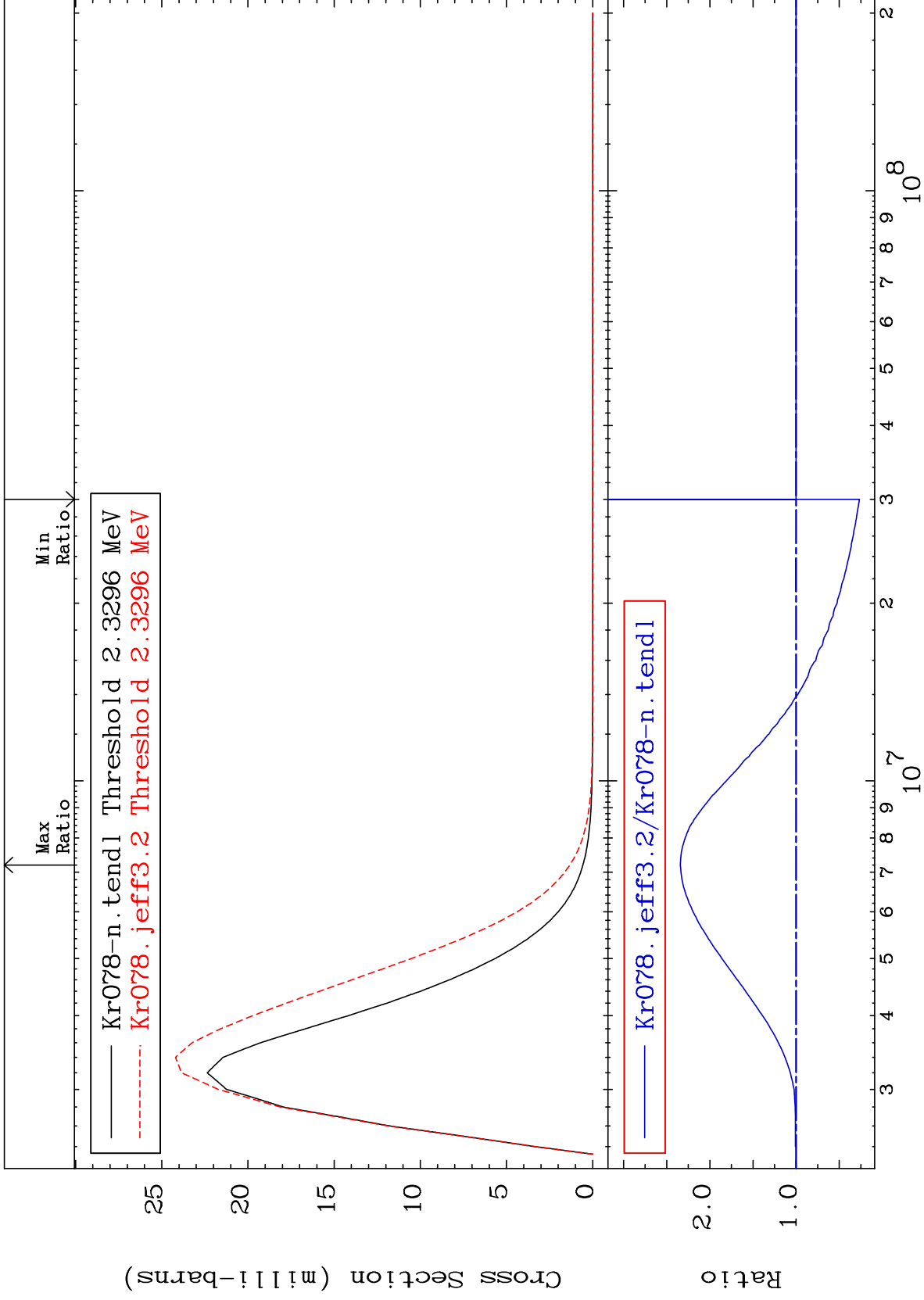
³⁶Kr-78
-0.017 To 99.13 %



30

Incident Energy (eV)

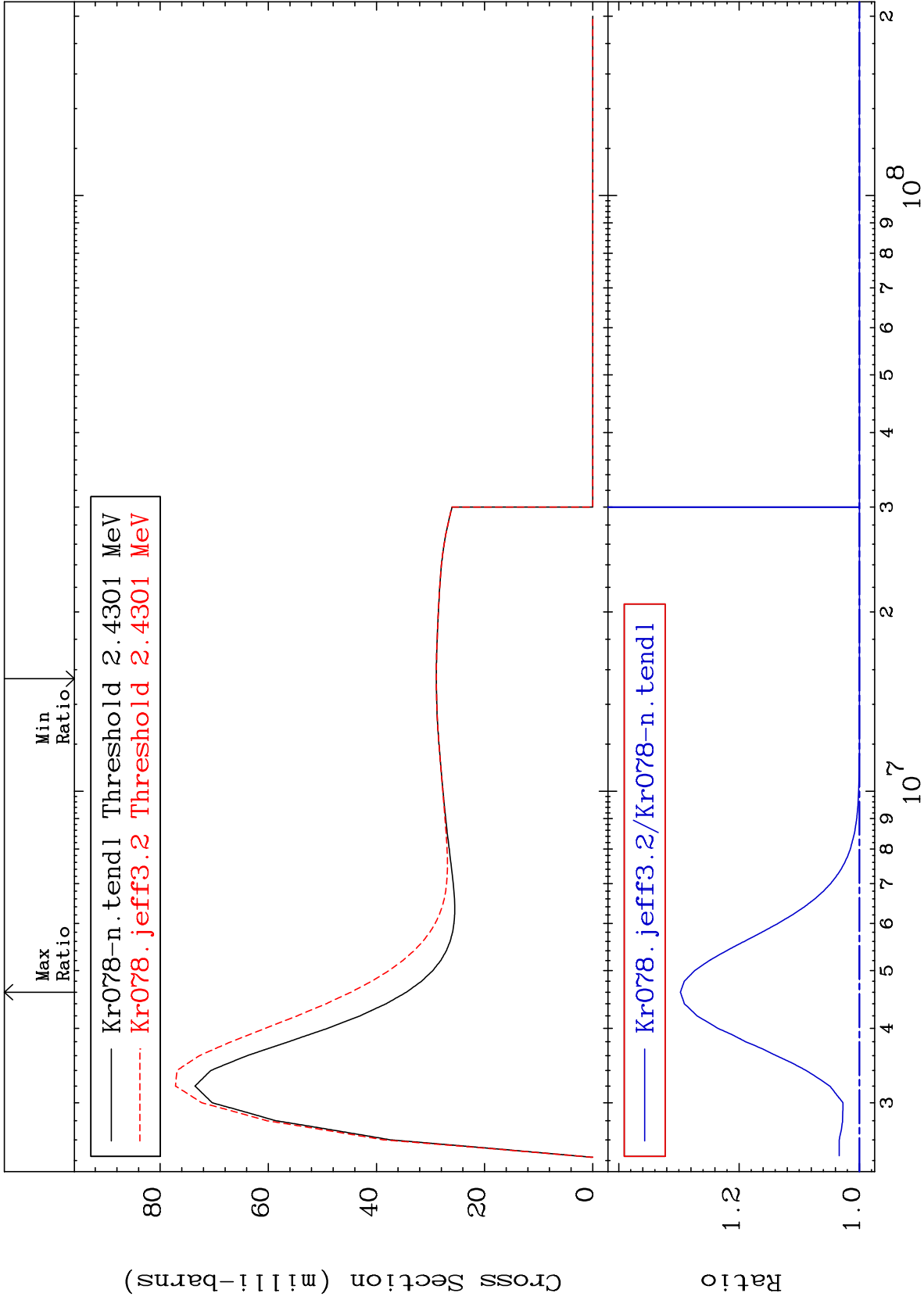
³⁶Kr-78

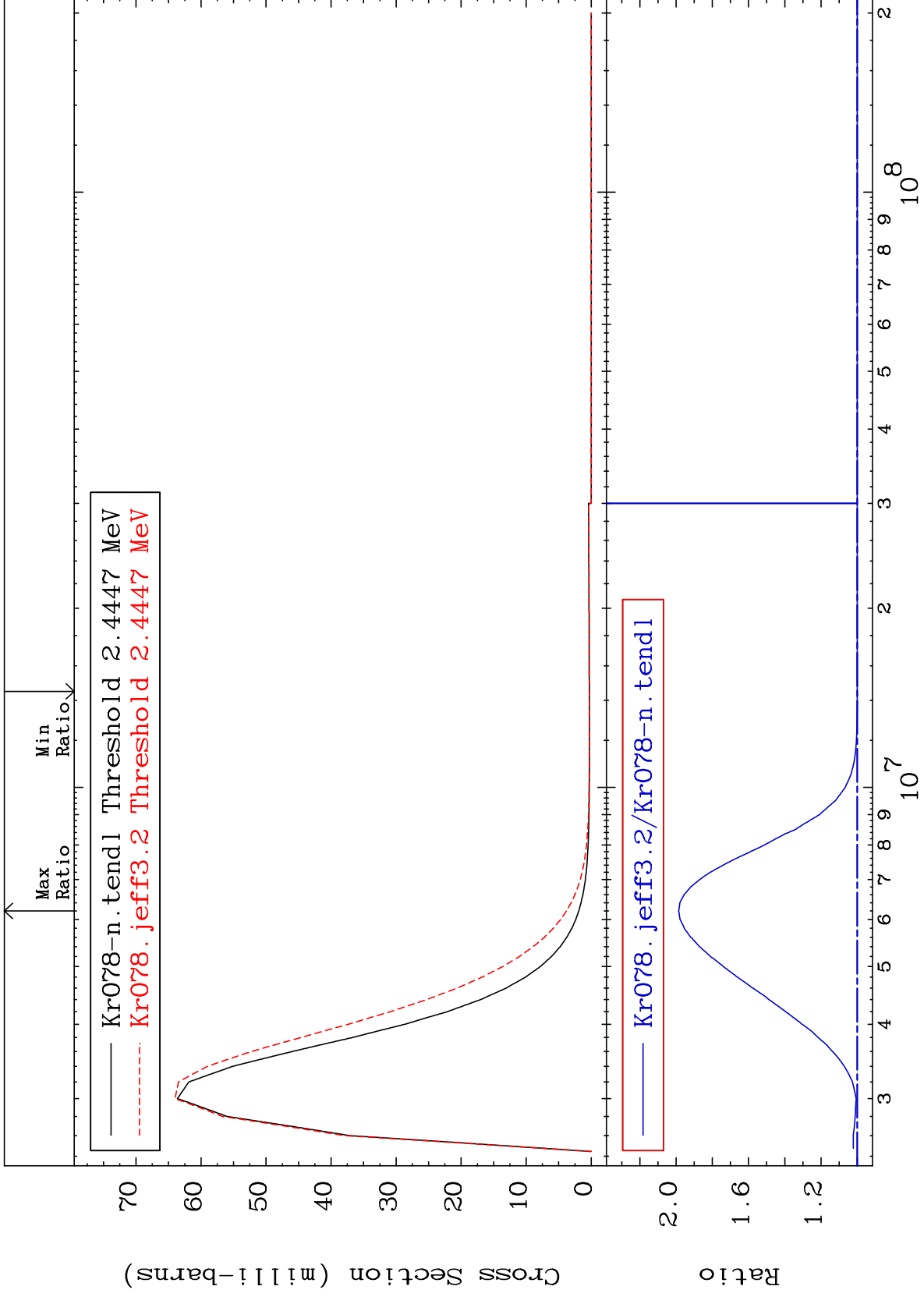


MAT 3625

2.399 MeV (n,n') Level
Cross Section

0.000 To 29.76 %
36-Kr-78

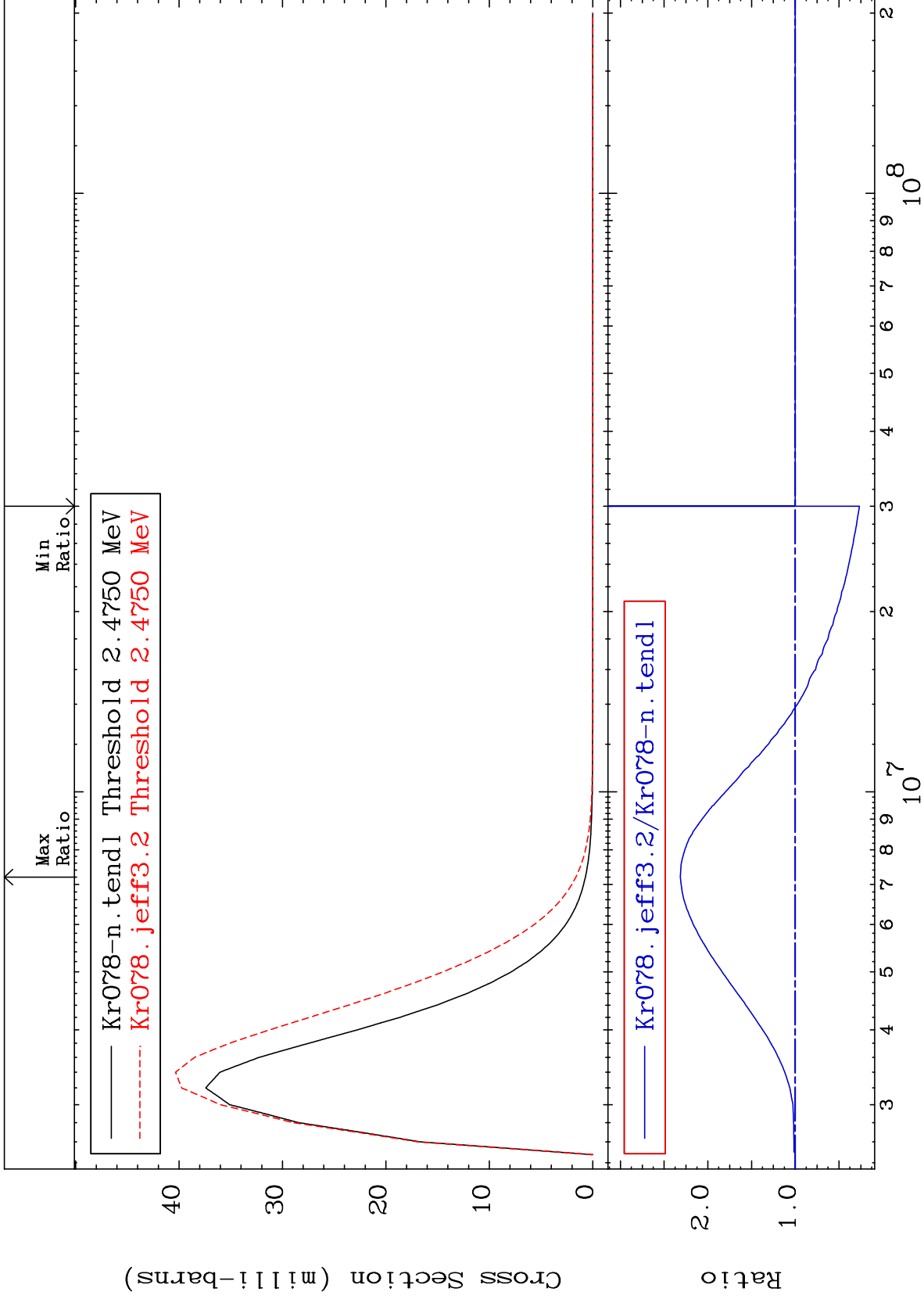




MAT 3625

2.443 MeV (n,n') Level
Cross Section

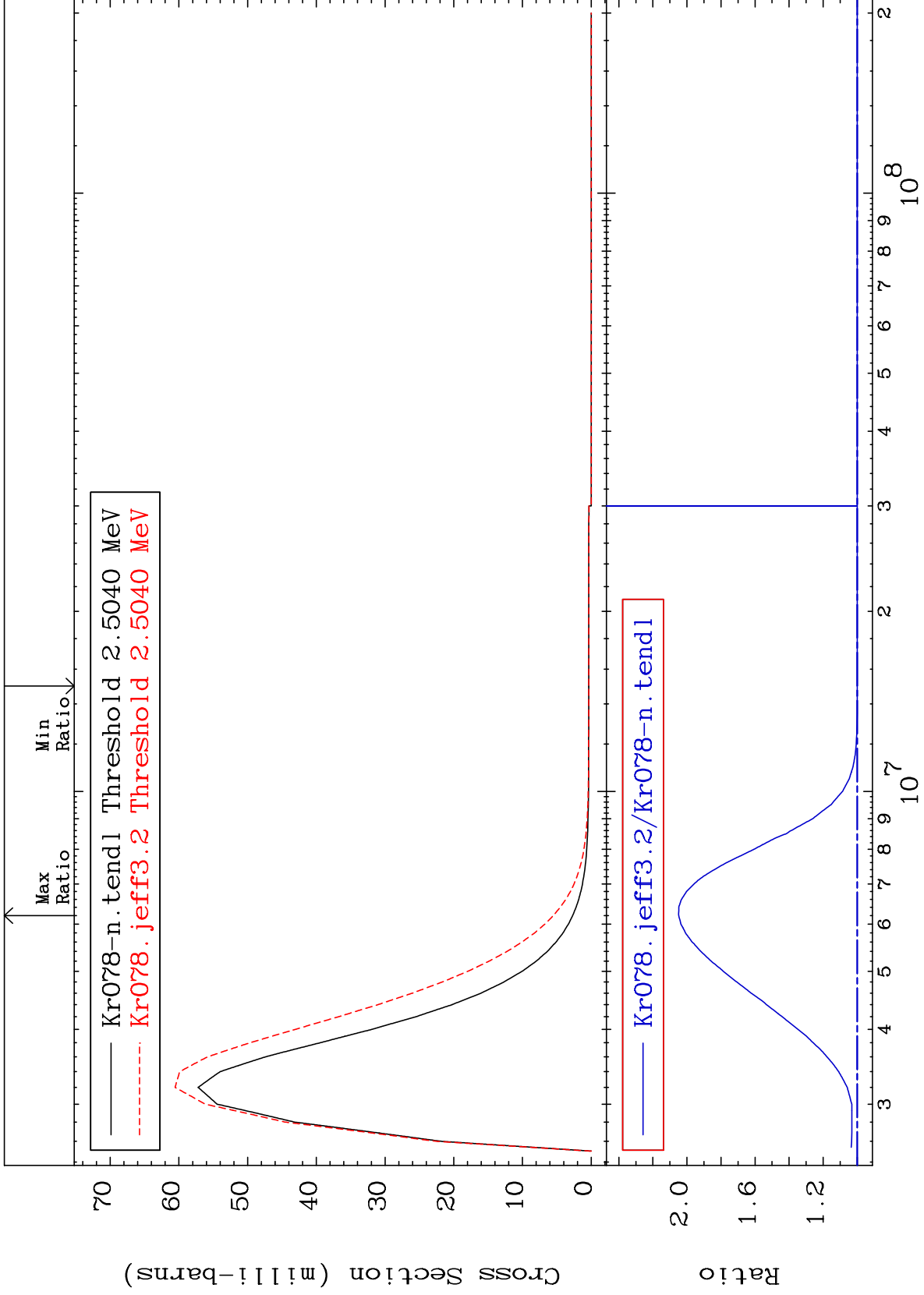
36-Kr-78
-73.44 To 131.4 %



MAT 3625

2.472 MeV (n,n') Level
Cross Section

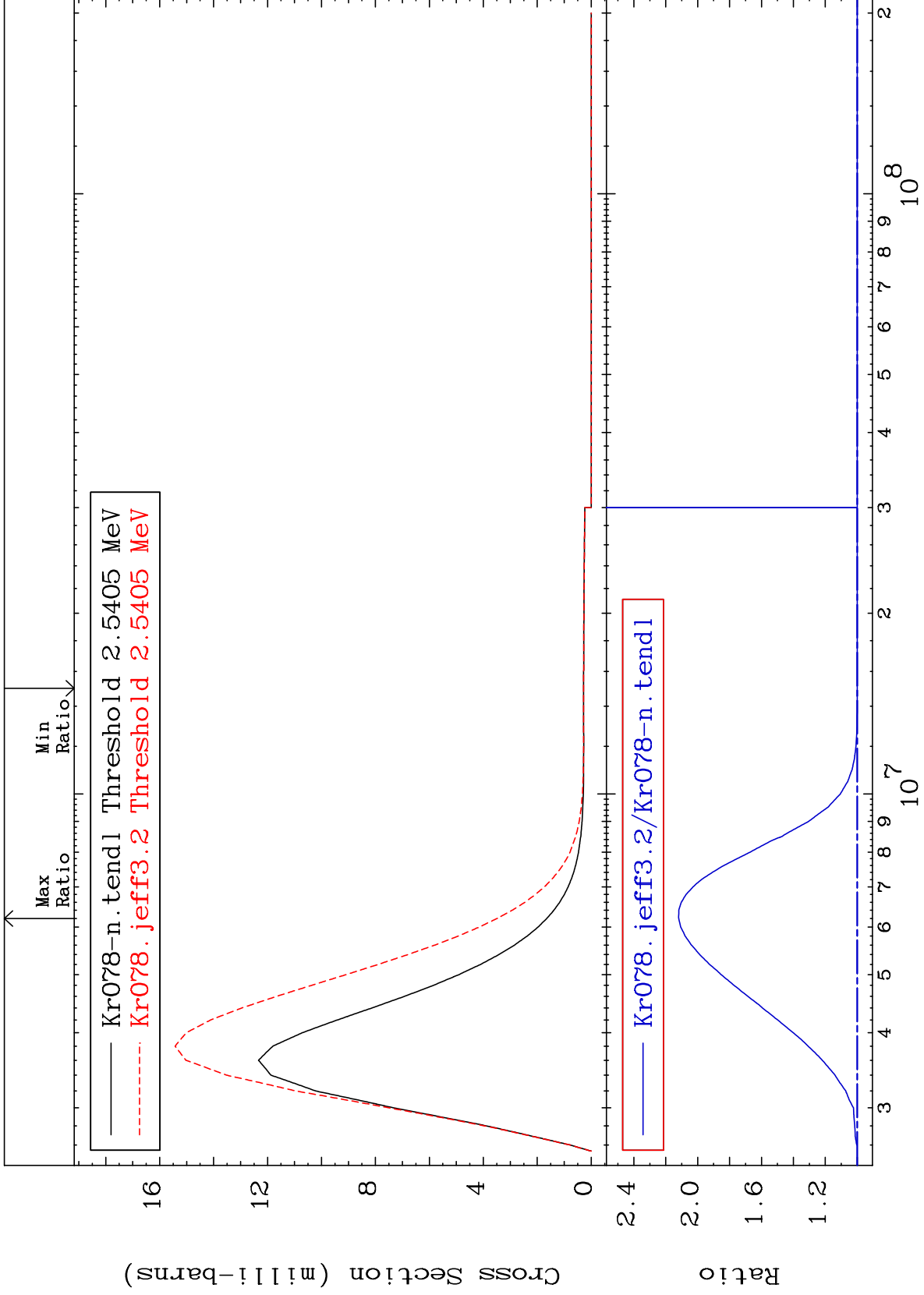
36-Kr-78
-0.023 To 104.9 %



MAT 3625

2.508 MeV (n,n') Level
Cross Section

36-Kr-78
-0.031 To 111.9 %



36

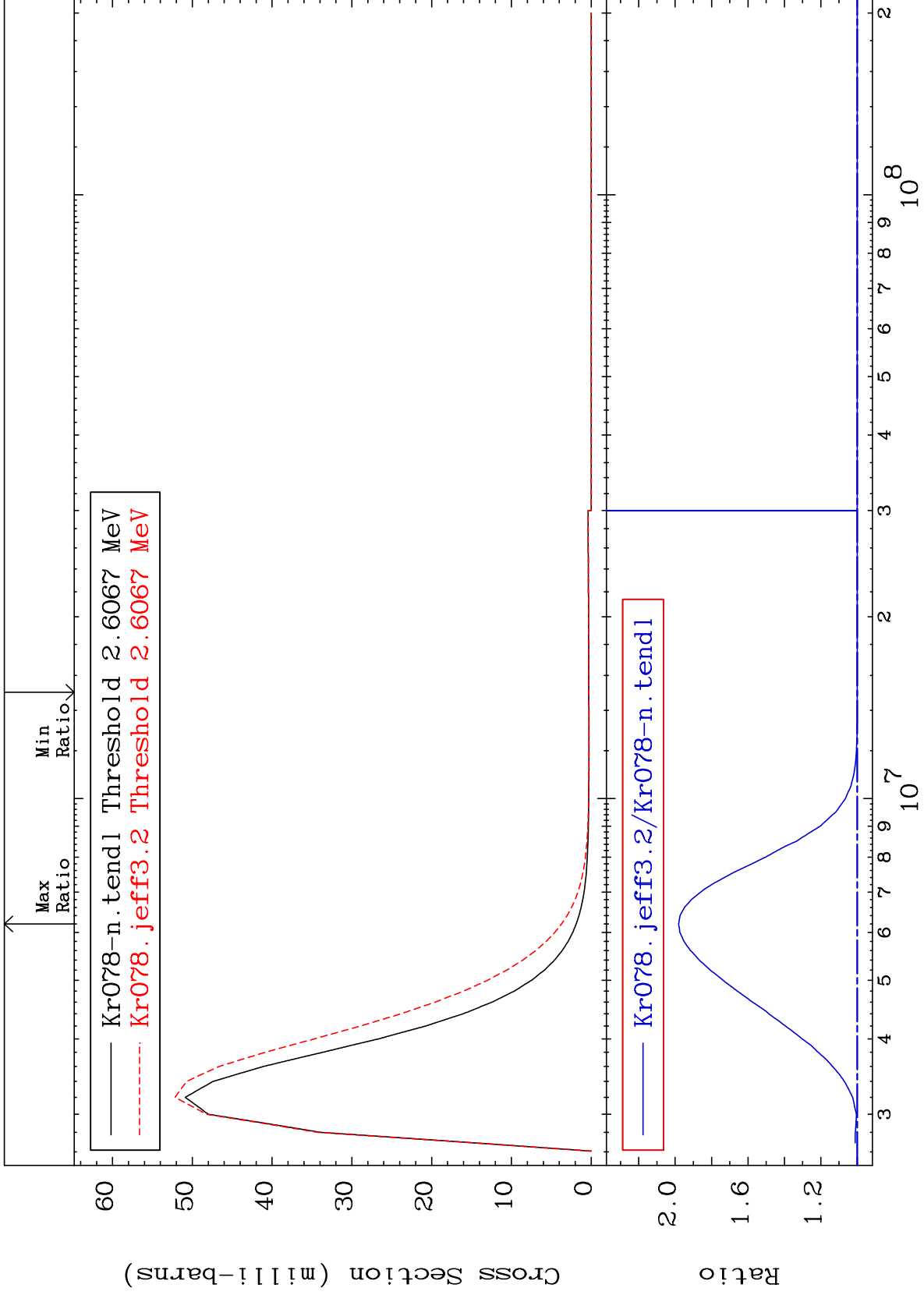
Incident Energy (eV)

36-Kr-78

MAT 3625

2.573 MeV (n,n') Level
Cross Section

36-Kr-78
-0.017 To 98.09 %



37

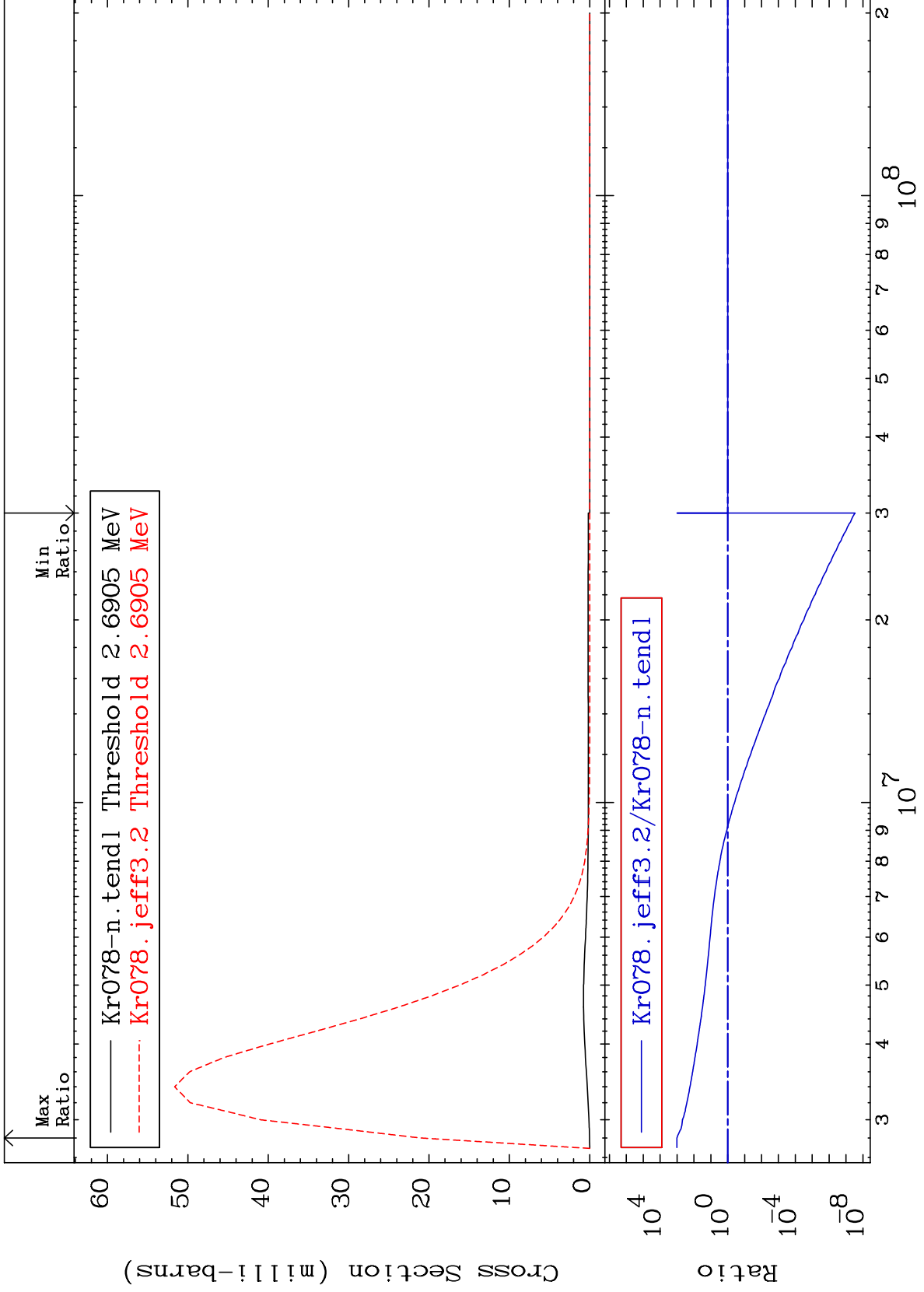
Incident Energy (eV)

36-Kr-78

MAT 3625

2.656 MeV (n,n') Level
Cross Section

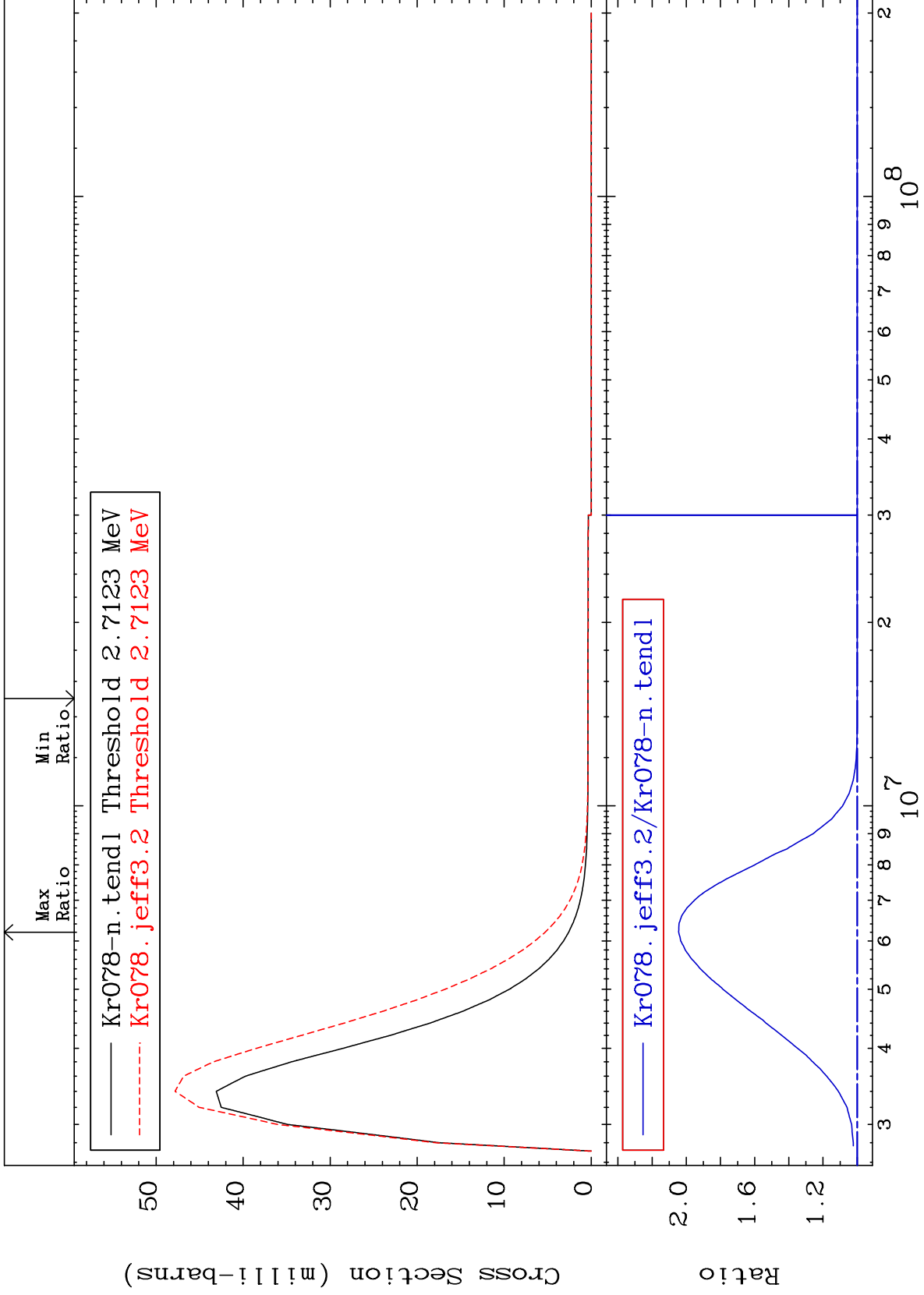
36-Kr-78
-100.0 To 9999. %



MAT 3625

2.678 MeV (n,n') Level
Cross Section

36-Kr-78
-0.023 To 104.5 %



39

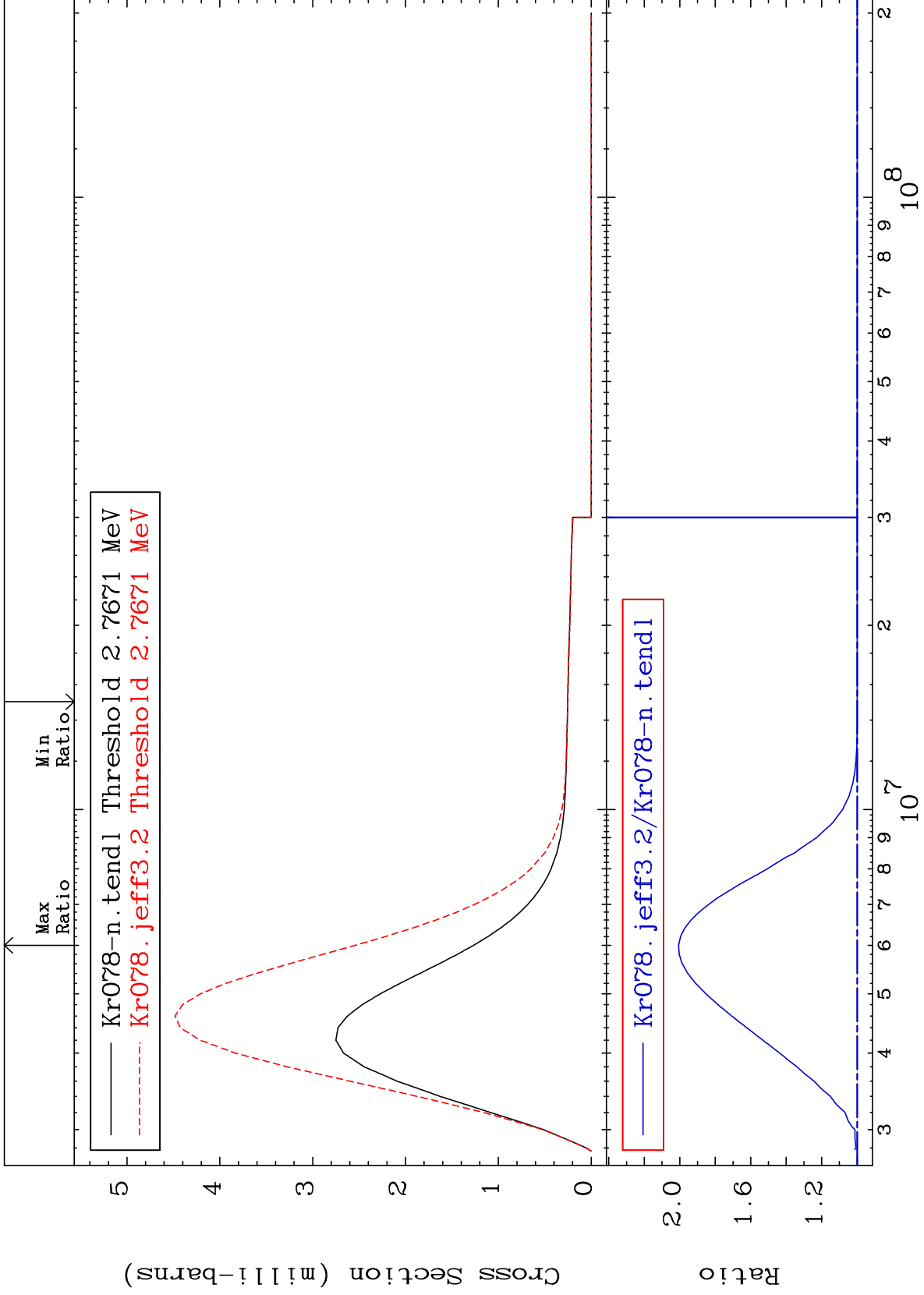
Incident Energy (eV)

36-Kr-78

MAT 3625

2.732 MeV (n,n') Level
Cross Section

36-Kr-78
-0.027 To 100.6 %



40

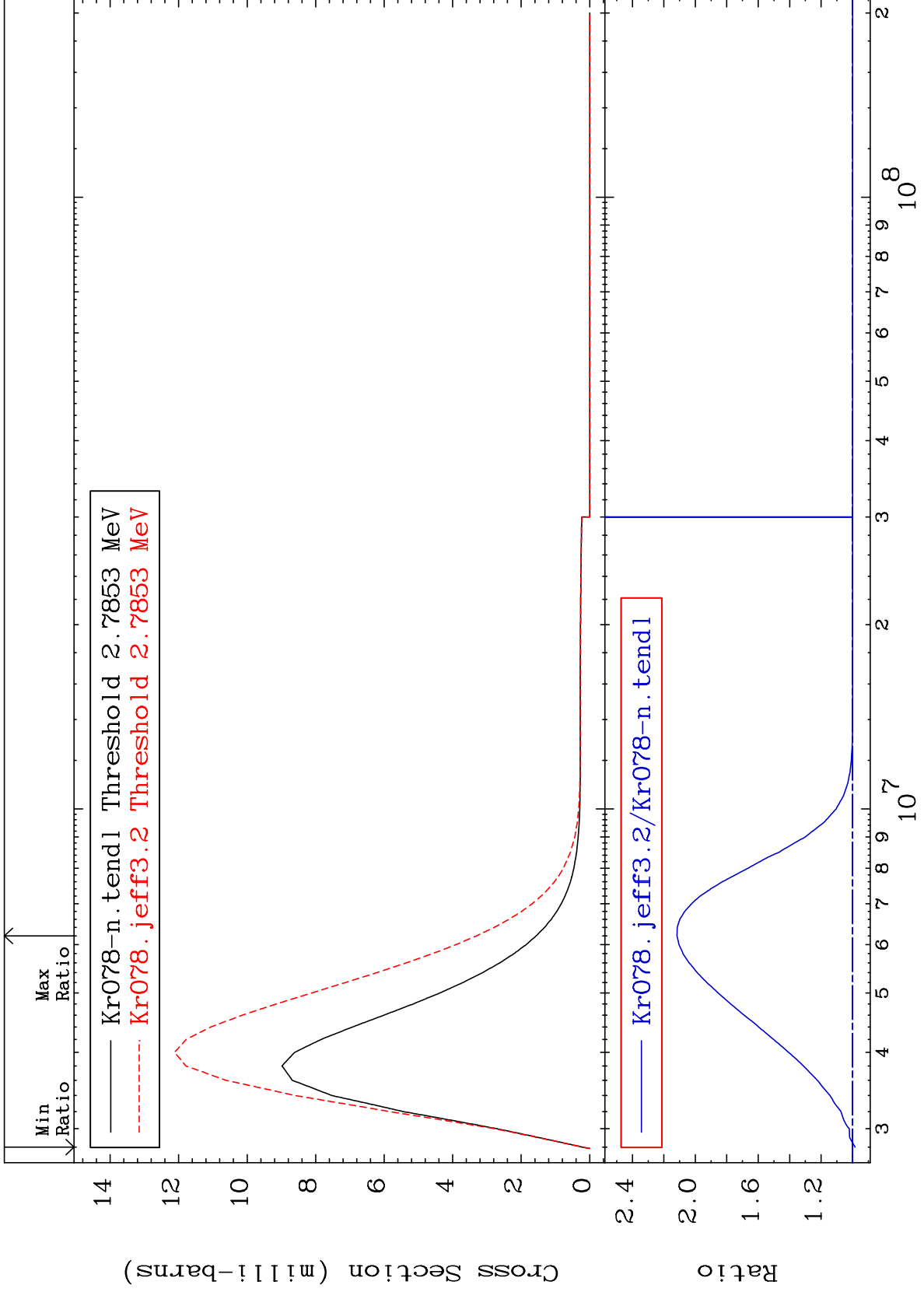
Incident Energy (eV)

36-Kr-78

MAT 3625

2.750 MeV (n,n') Level
Cross Section

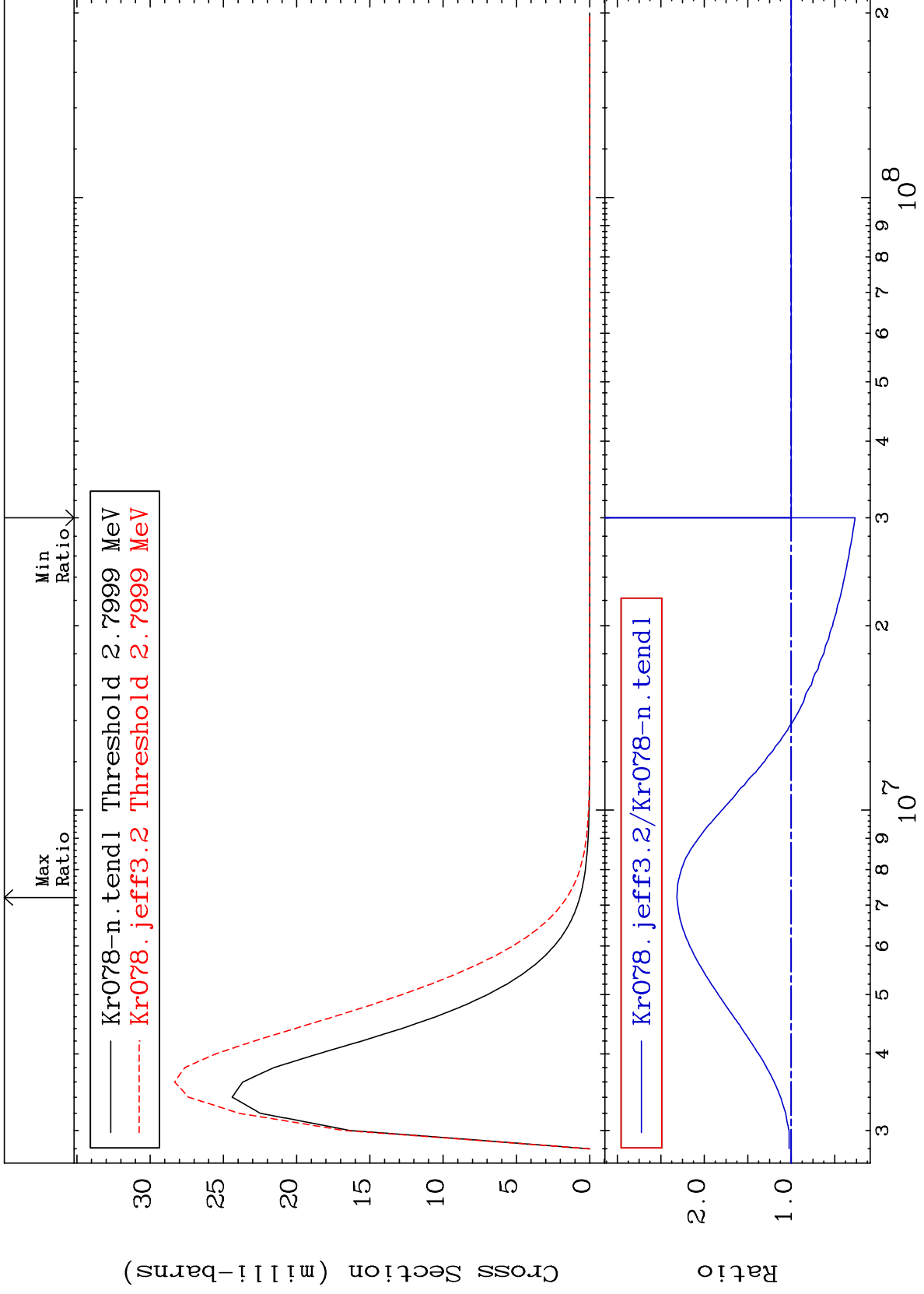
36-Kr-78
-1.612 To 111.7 %



MAT 3625

2.764 MeV (n,n') Level
Cross Section

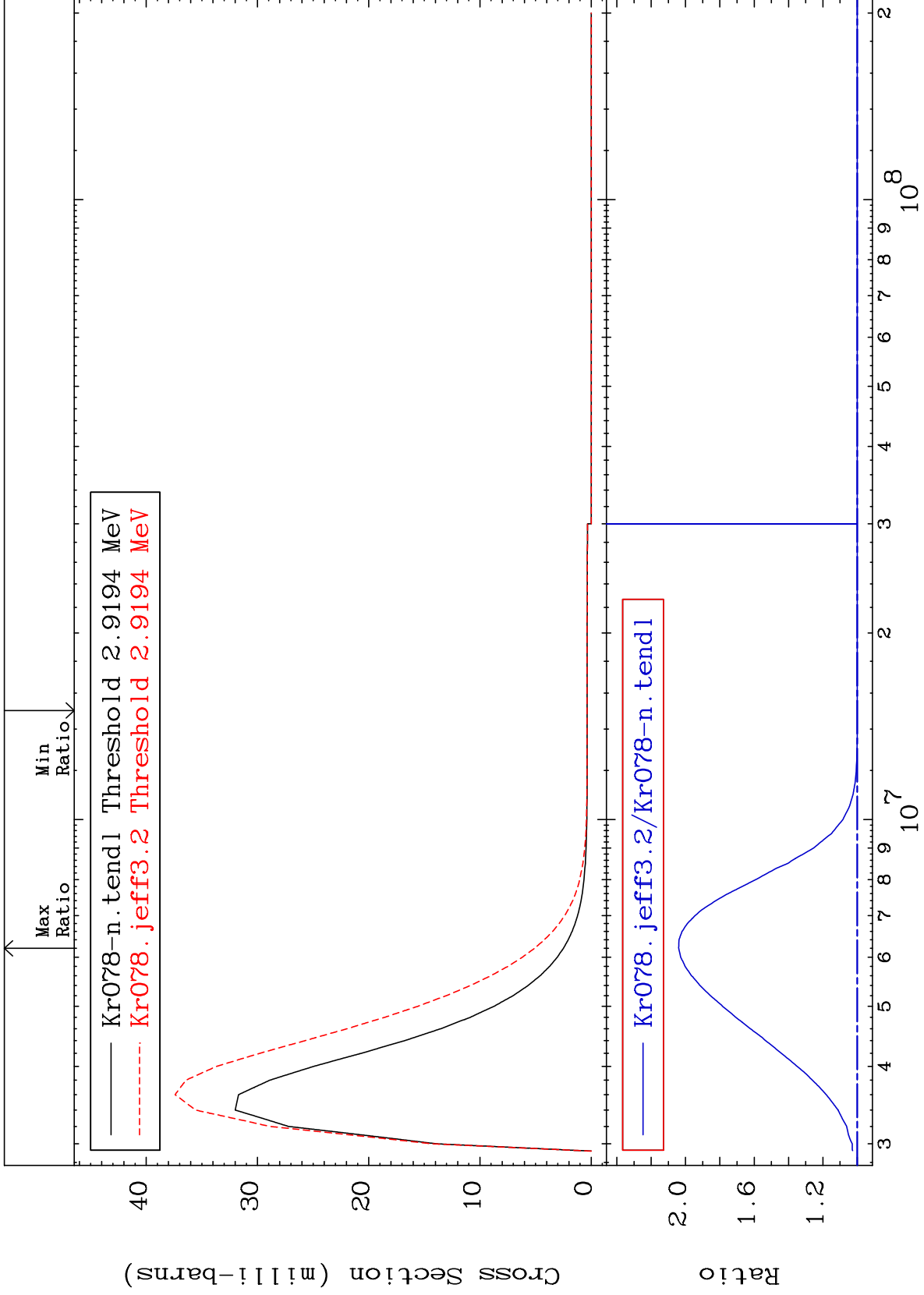
³⁶Kr-78
-73.45 To 131.5 %



MAT 3625

2.882 MeV (n,n') Level
Cross Section

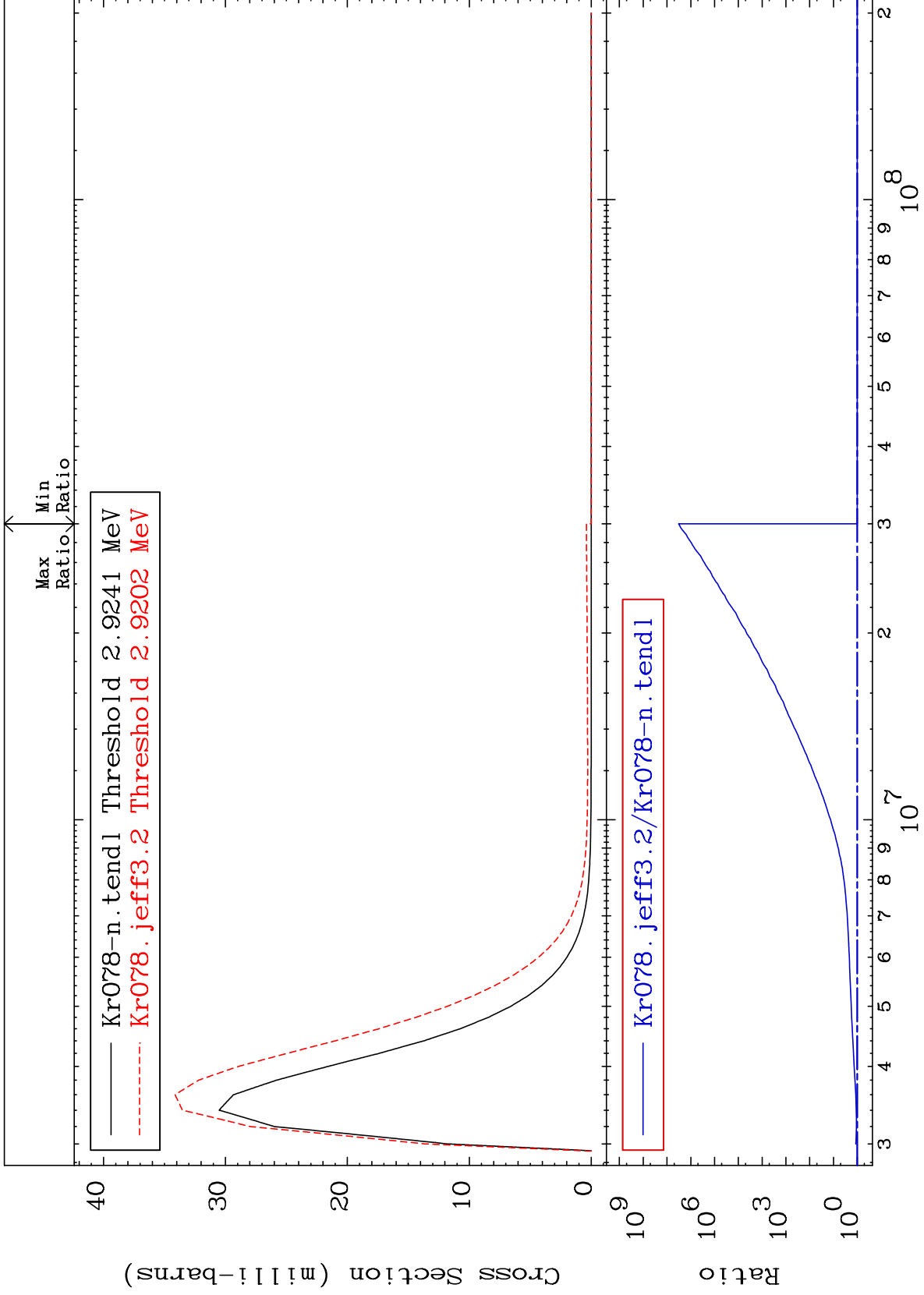
36-Kr-78
-0.023 To 104.0 %



MAT 3625

2.887 MeV (n,n') Level
Cross Section

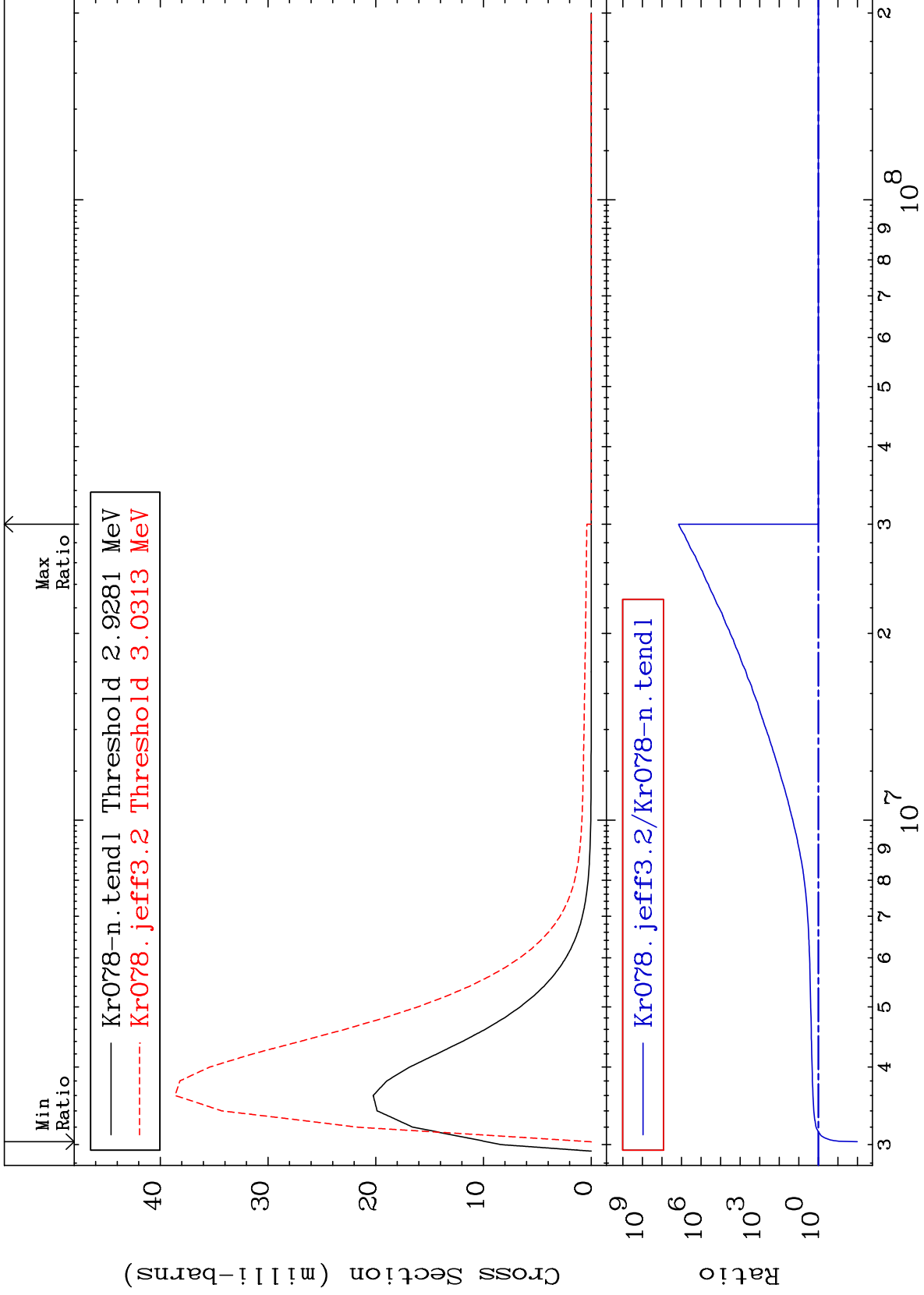
36-Kr-78
0.000 To 9999. %



MAT 3625

2.891 MeV (n,n') Level
Cross Section

36-Kr-78
-98.98 To 9999. %



45

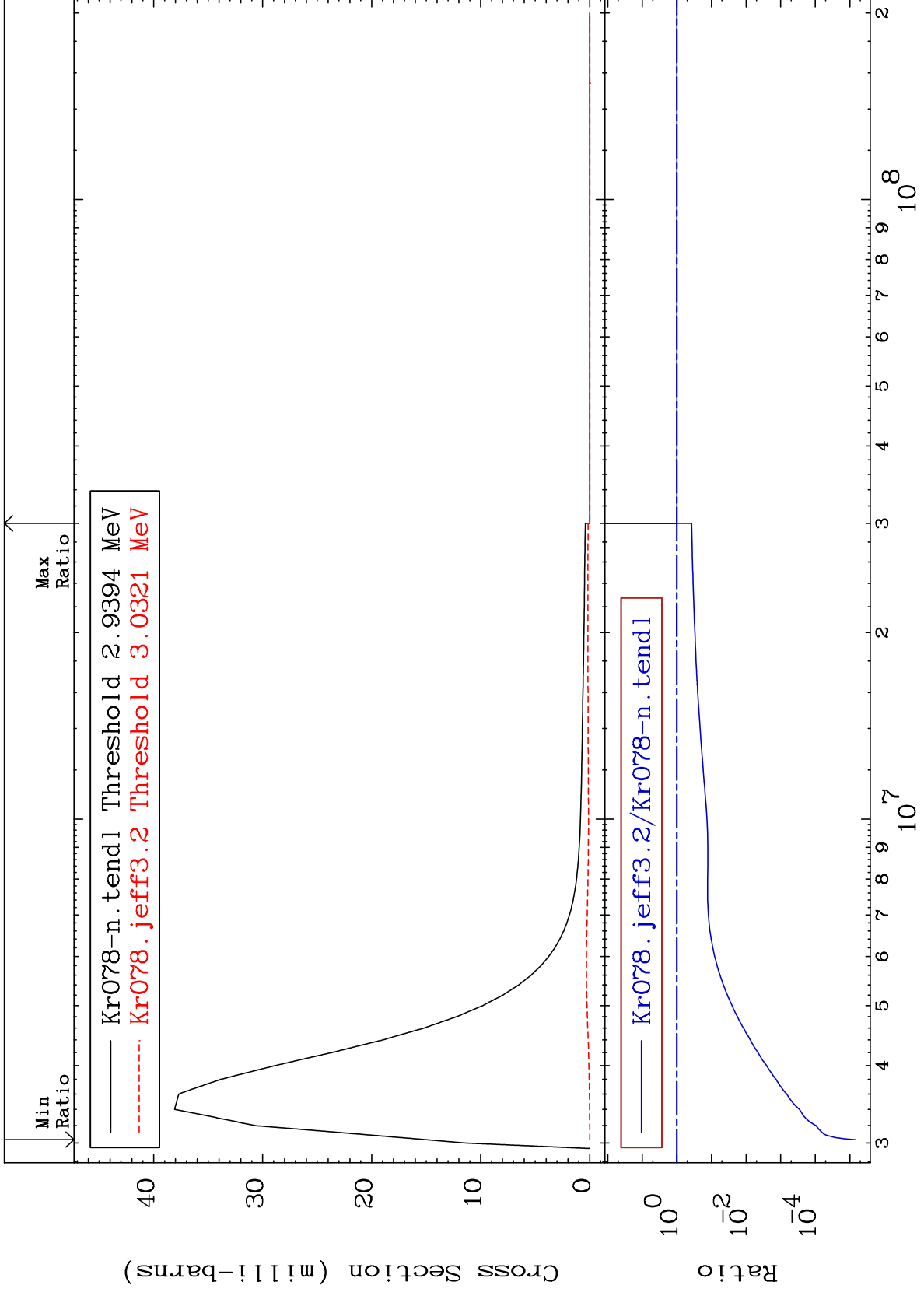
Incident Energy (eV)

36-Kr-78

MAT 3625

2.902 MeV (n,n') Level
Cross Section

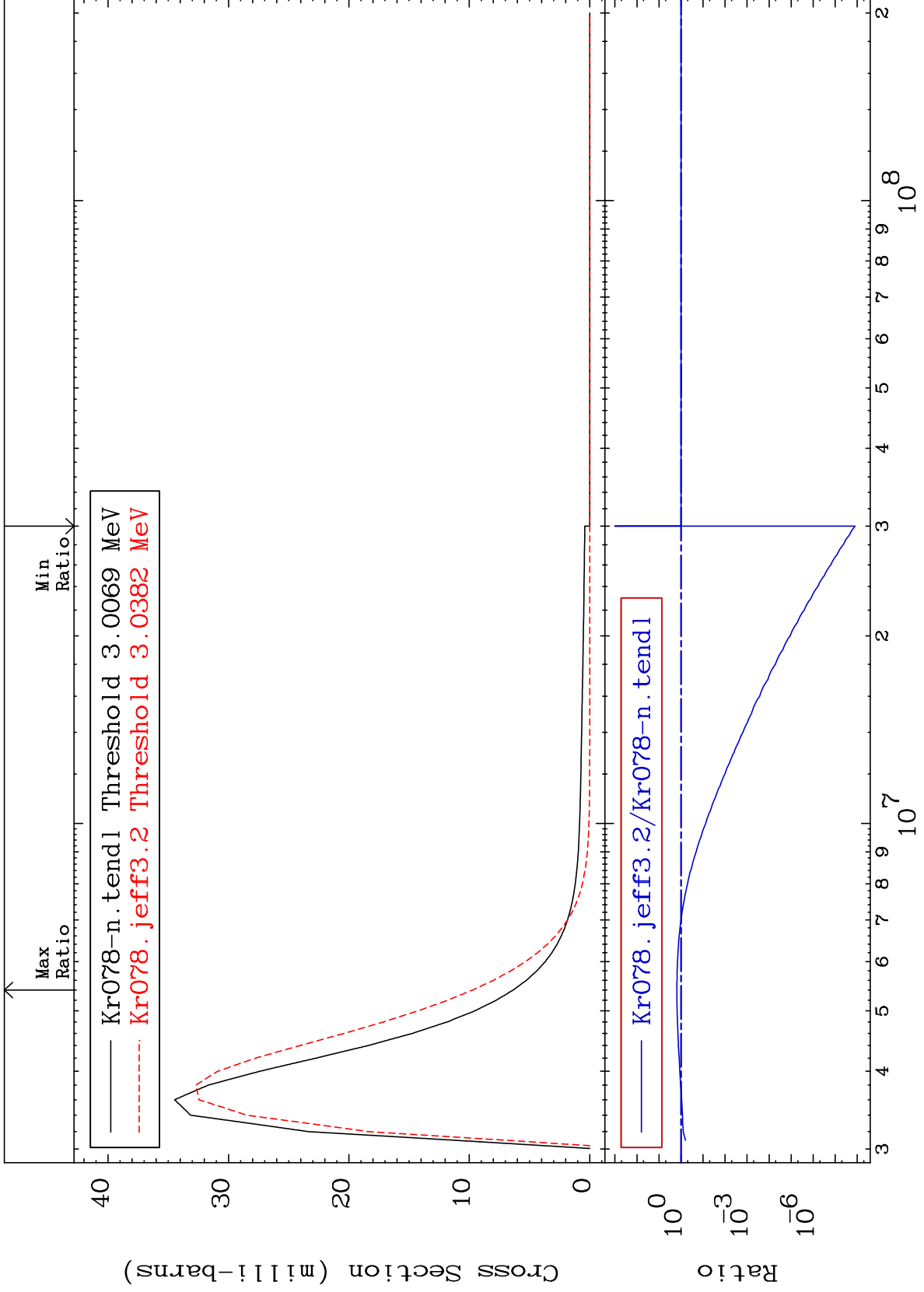
36-Kr-78
-100.0 To 0.000 %



MAT 3625

2.968 MeV (n,n') Level
Cross Section

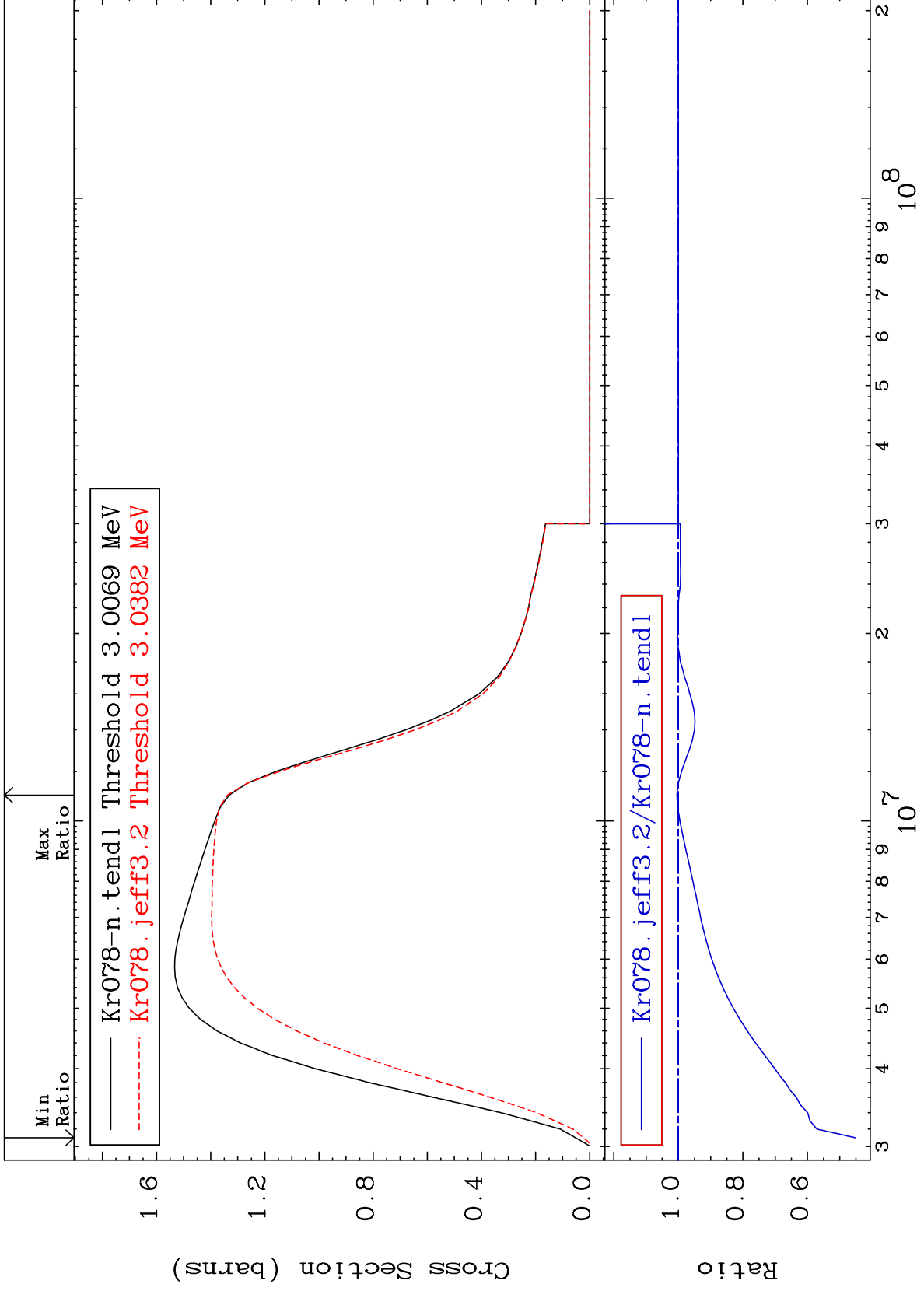
36-Kr-78
-100.0 To 53.06 %



MAT 3625

(n, n') Continuum
Cross Section

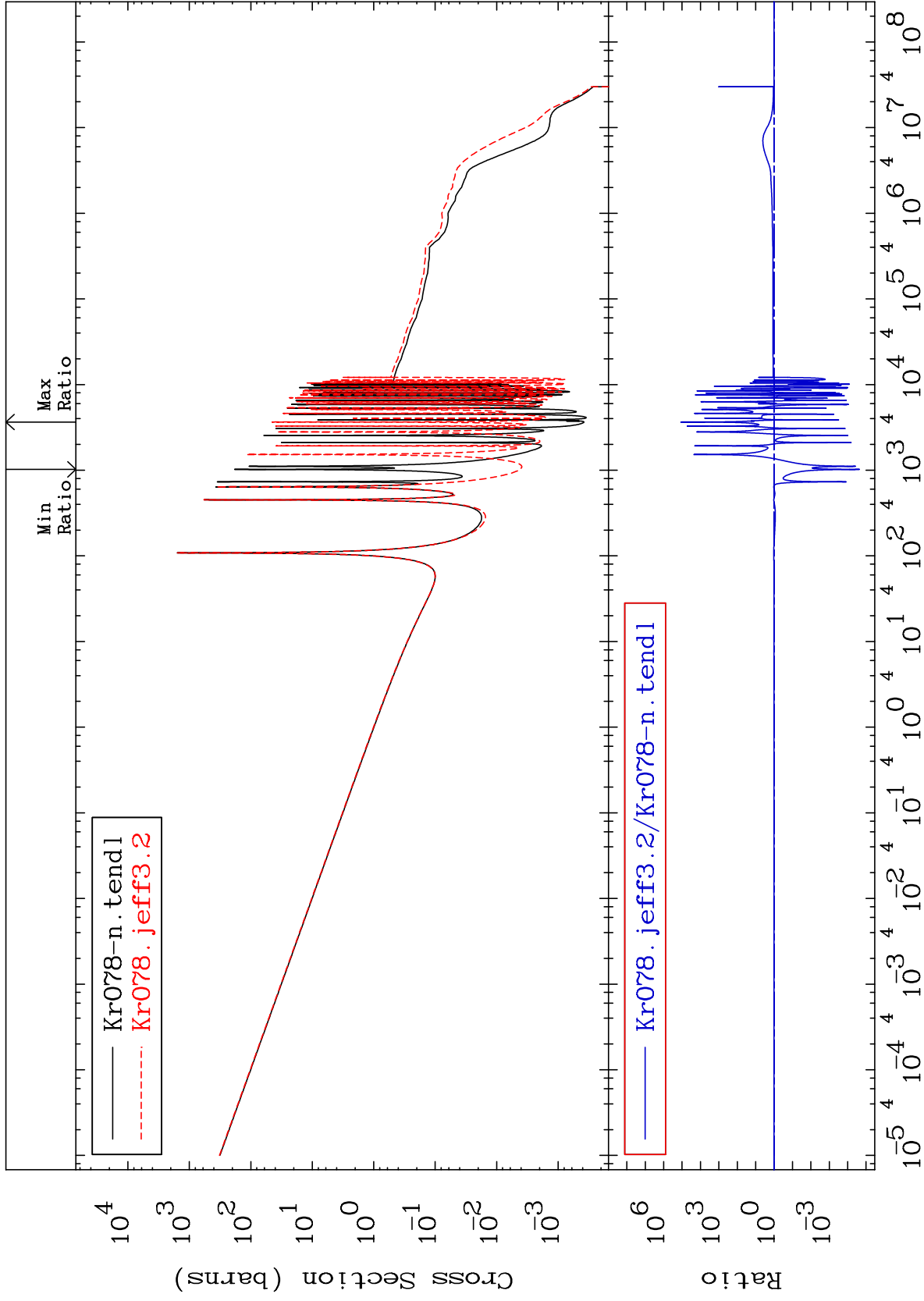
³⁶Kr-78
-54.77 To 0.453 %



48

Incident Energy (eV)

³⁶Kr-78



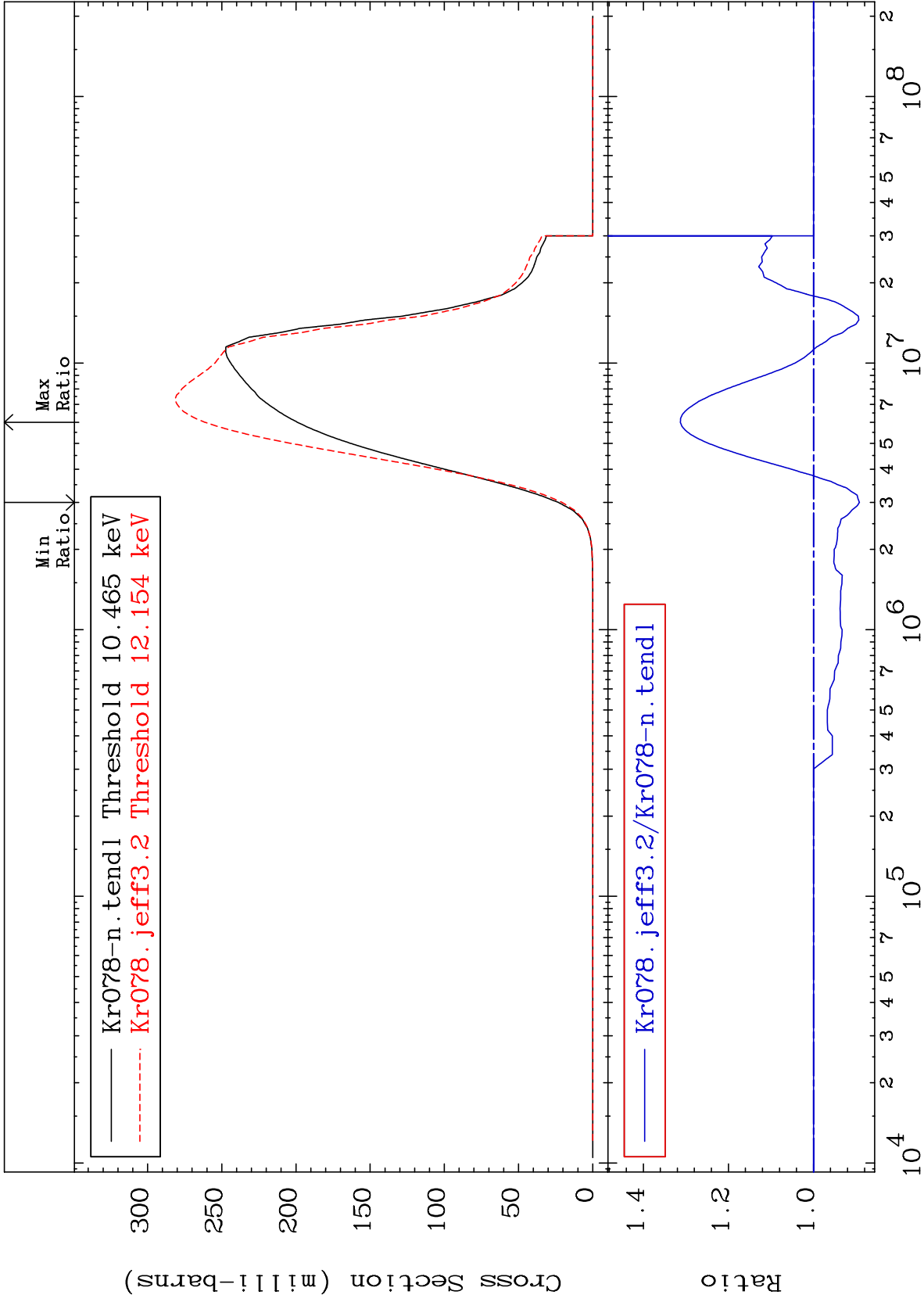
MAT 3625

(n, p)

³⁶Kr-78

Cross Section

-10.79 To 31.30 %



Incident Energy (eV)

³⁶Kr-78

50

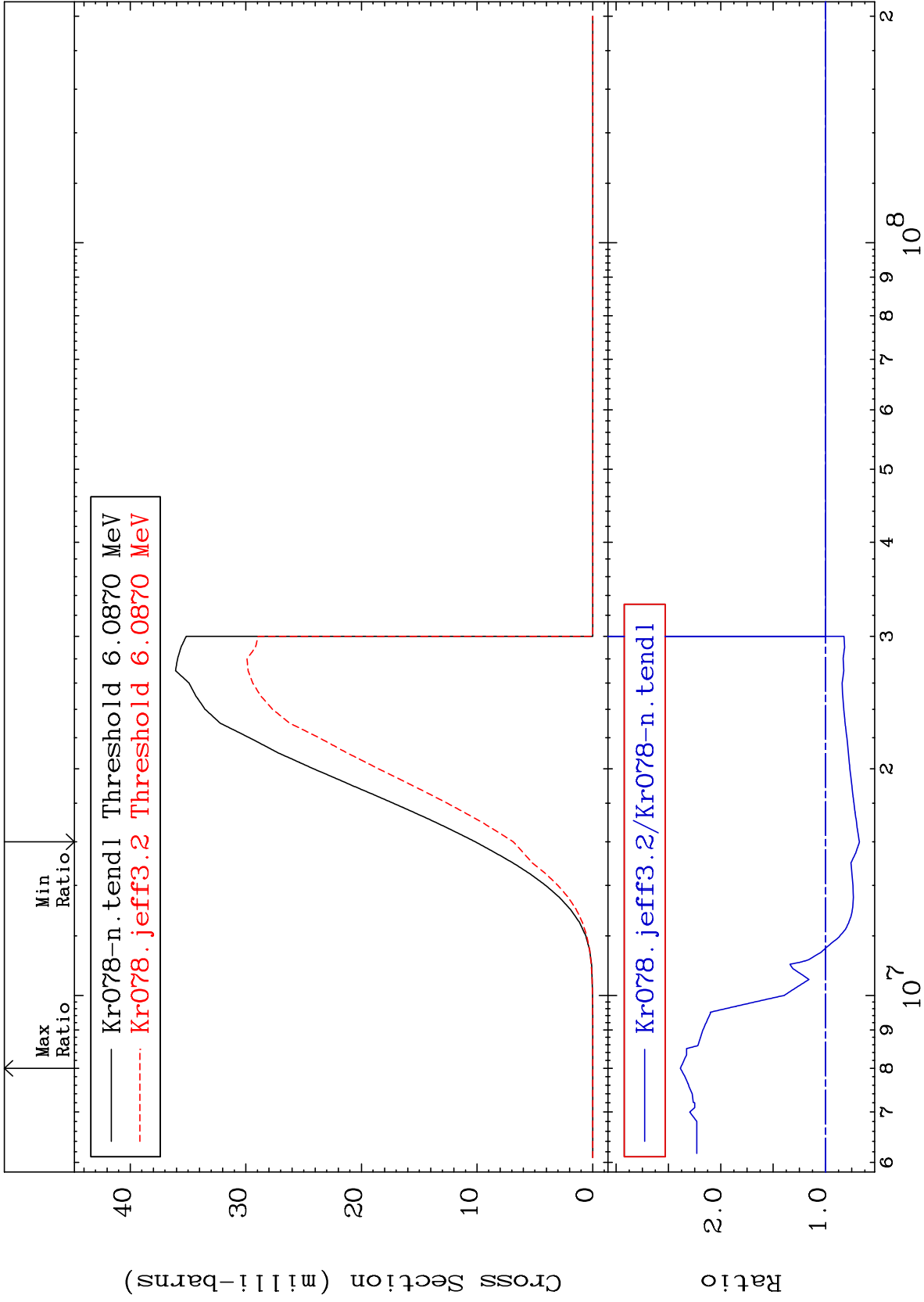
MAT 3625

(n, d)

³⁶Kr-78

Cross Section

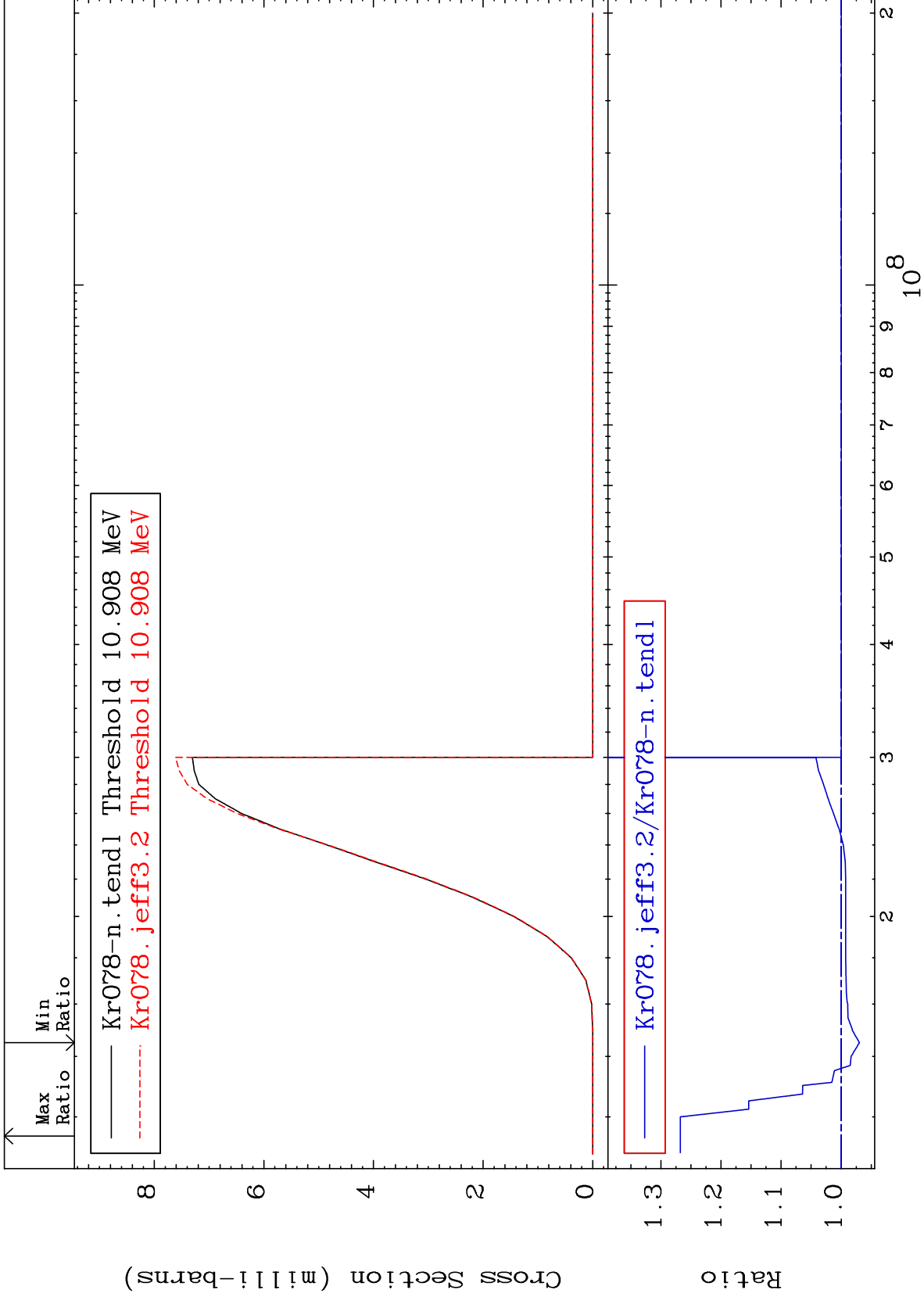
-32.32 To 138.6 %



51

Incident Energy (eV)

³⁶Kr-78



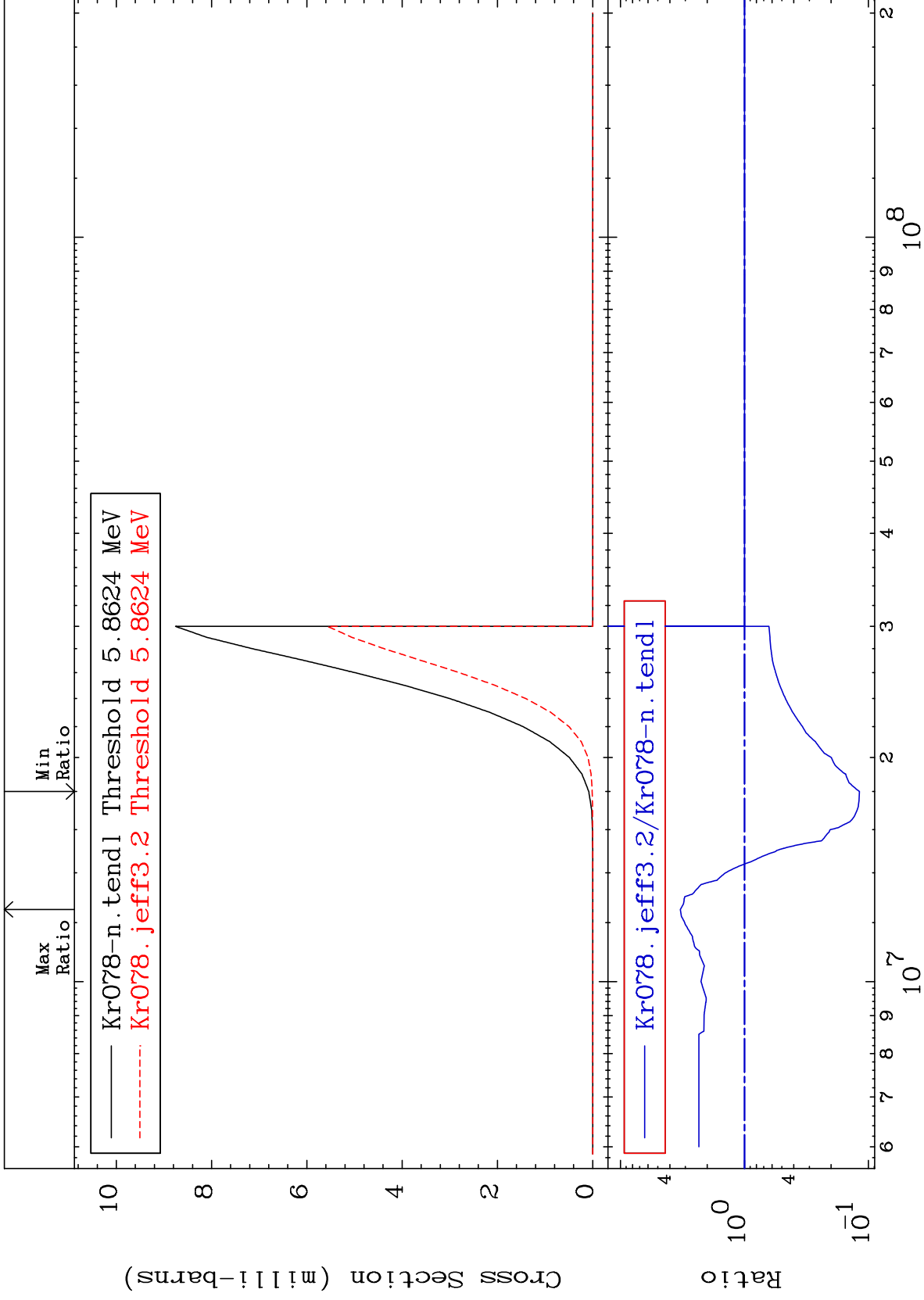
MAT 3625

(n, He-3)

³⁶Kr-78

Cross Section

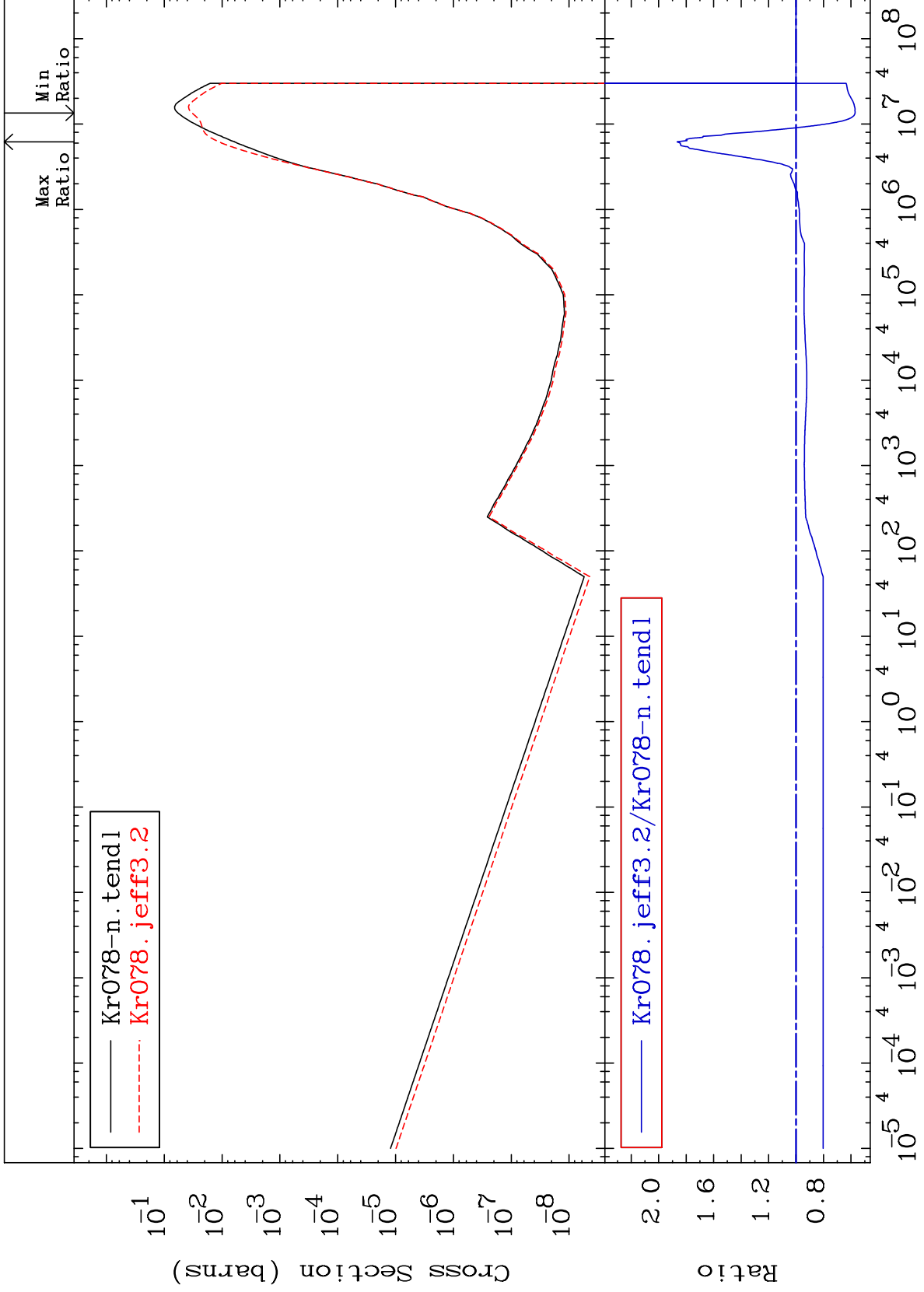
-88.17 To 229.1 %



MAT 3625

(n, α)
Cross Section

36-Kr-78
-42.98 To 86.73 %



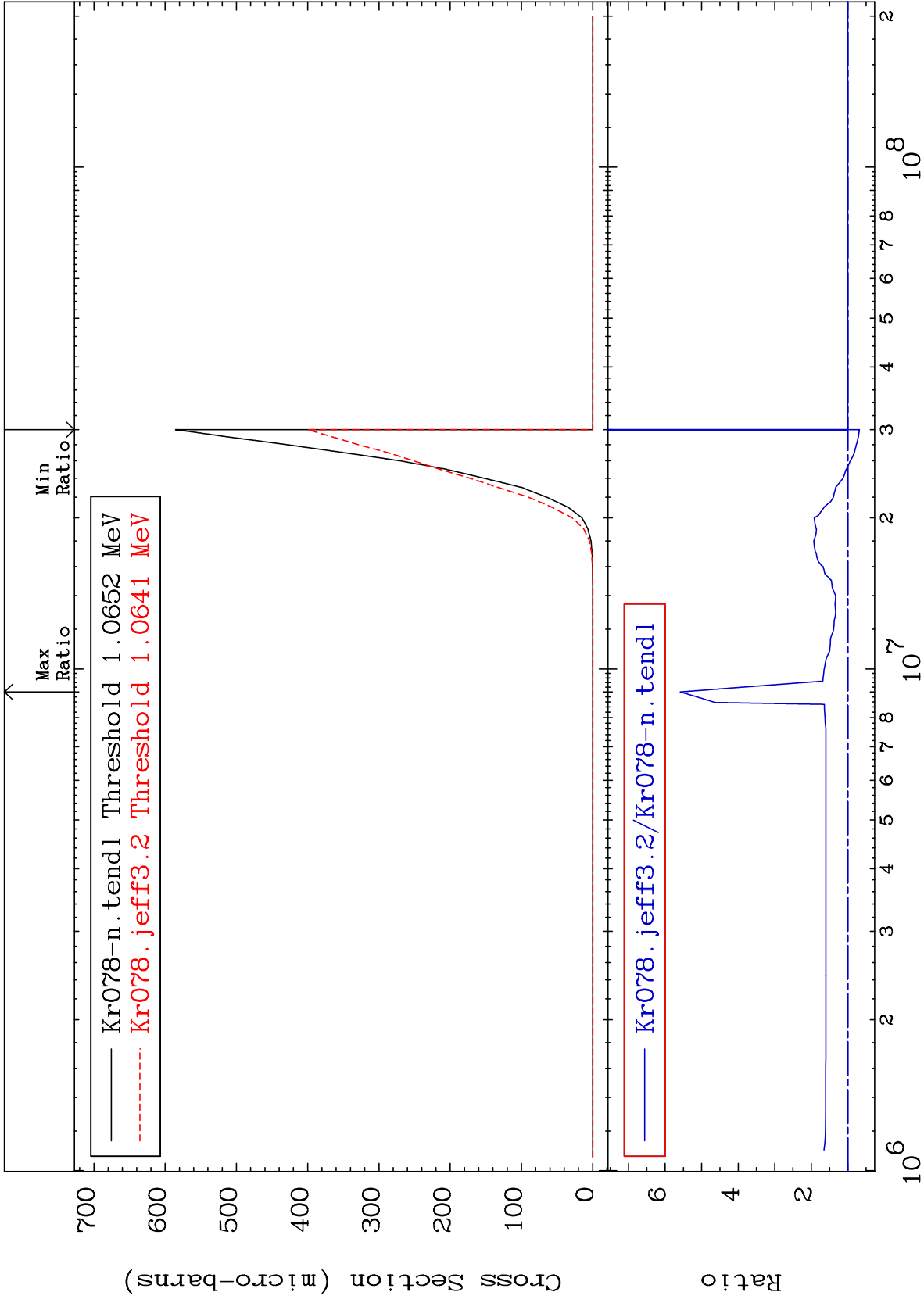
MAT 3625

(n,2α)

³⁶Kr-78

-31.68 To 458.2 %

Cross Section



55

Incident Energy (eV)

³⁶Kr-78

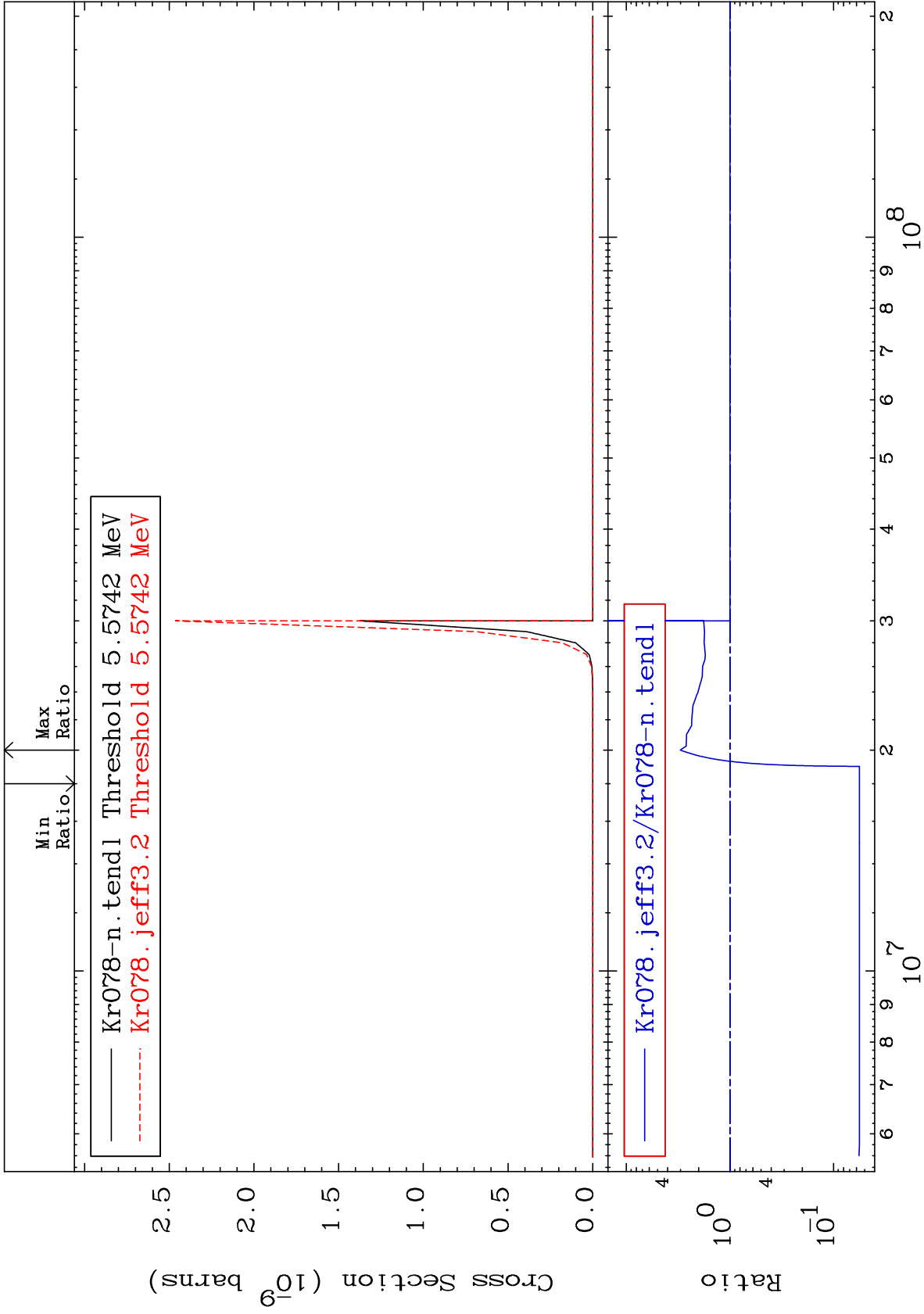
MAT 3625

(n, 3α)

³⁶Kr-78

Cross Section

-94.38 To 200.9 %



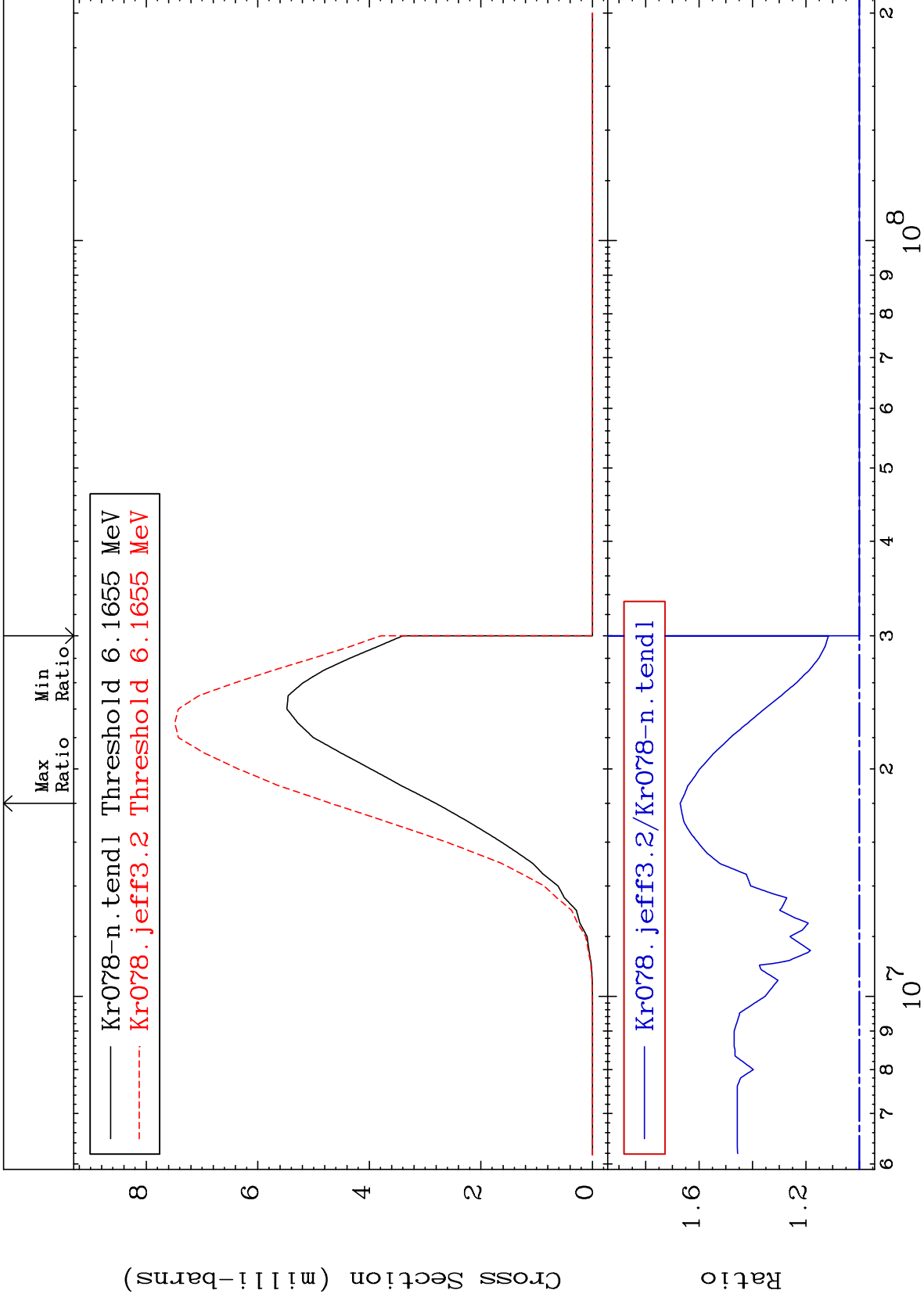
56

Incident Energy (eV)

³⁶Kr-78

MAT 3625

(n,2p) Cross Section
36-Kr-78
0.000 To 67.08 %



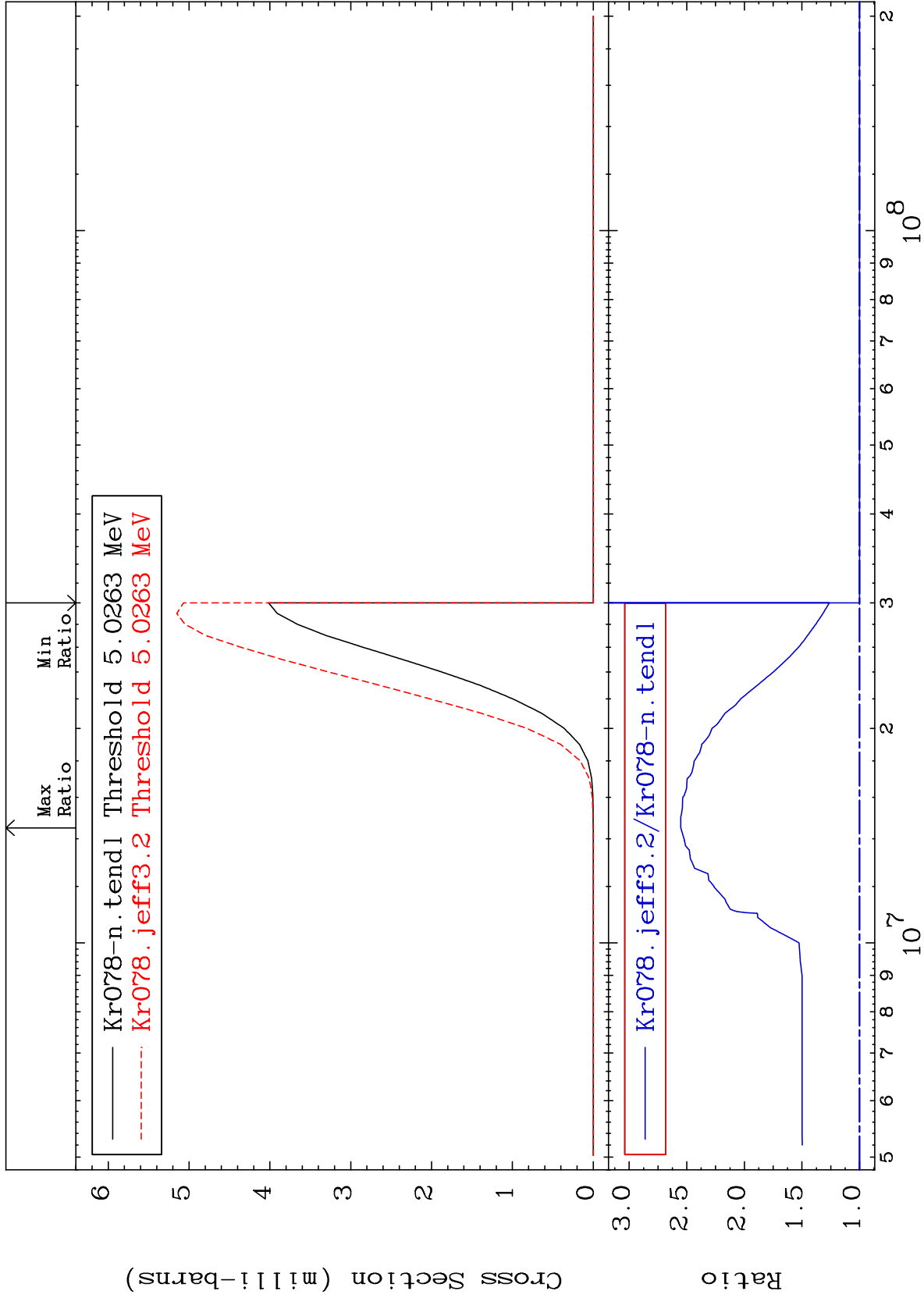
MAT 3625

³⁶Kr-78

(n, p) α

Cross Section

0.000 To 155.2 %



58

Incident Energy (eV)

³⁶Kr-78

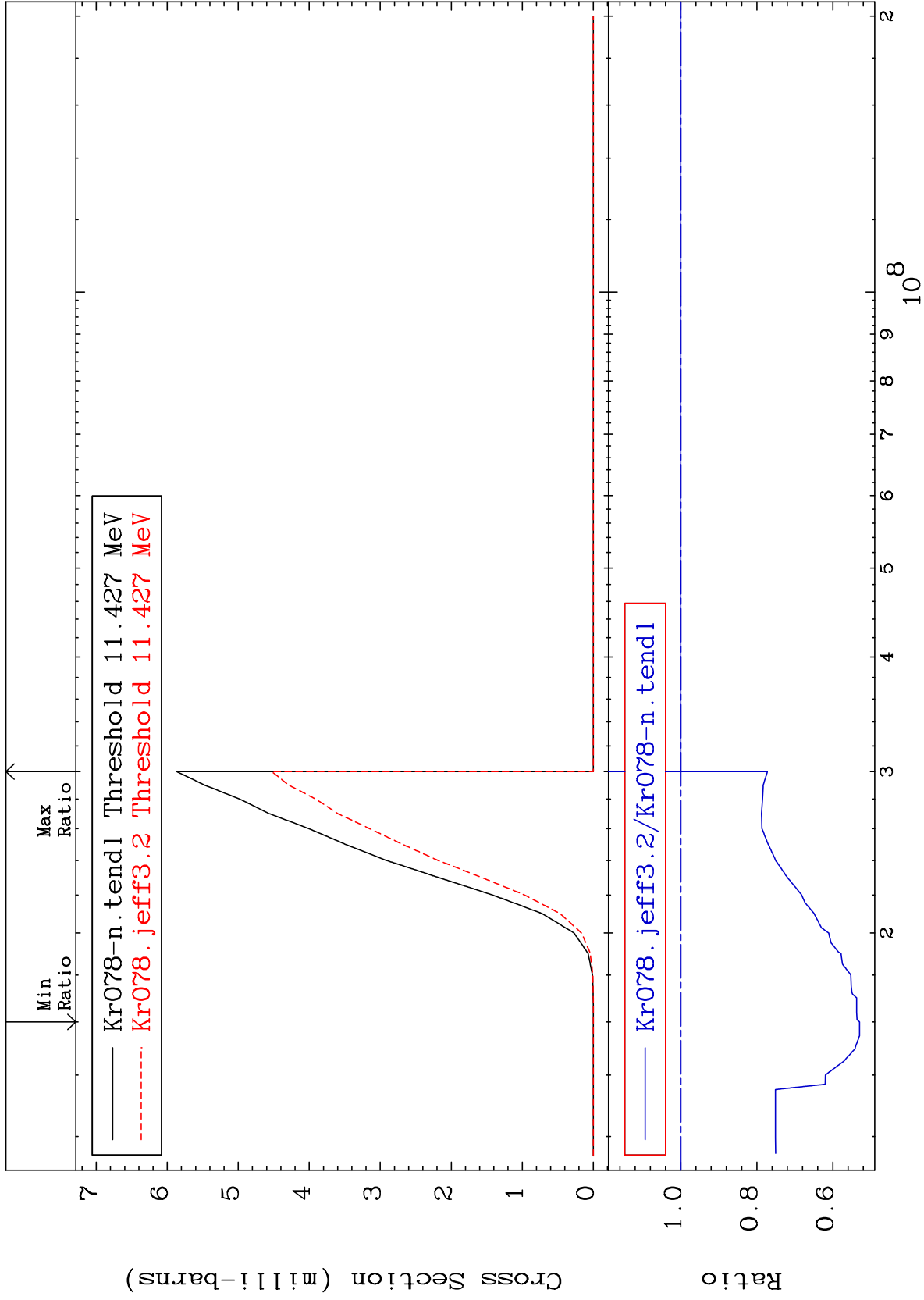
MAT 3625

(n, p) d

³⁶Kr-78

Cross Section

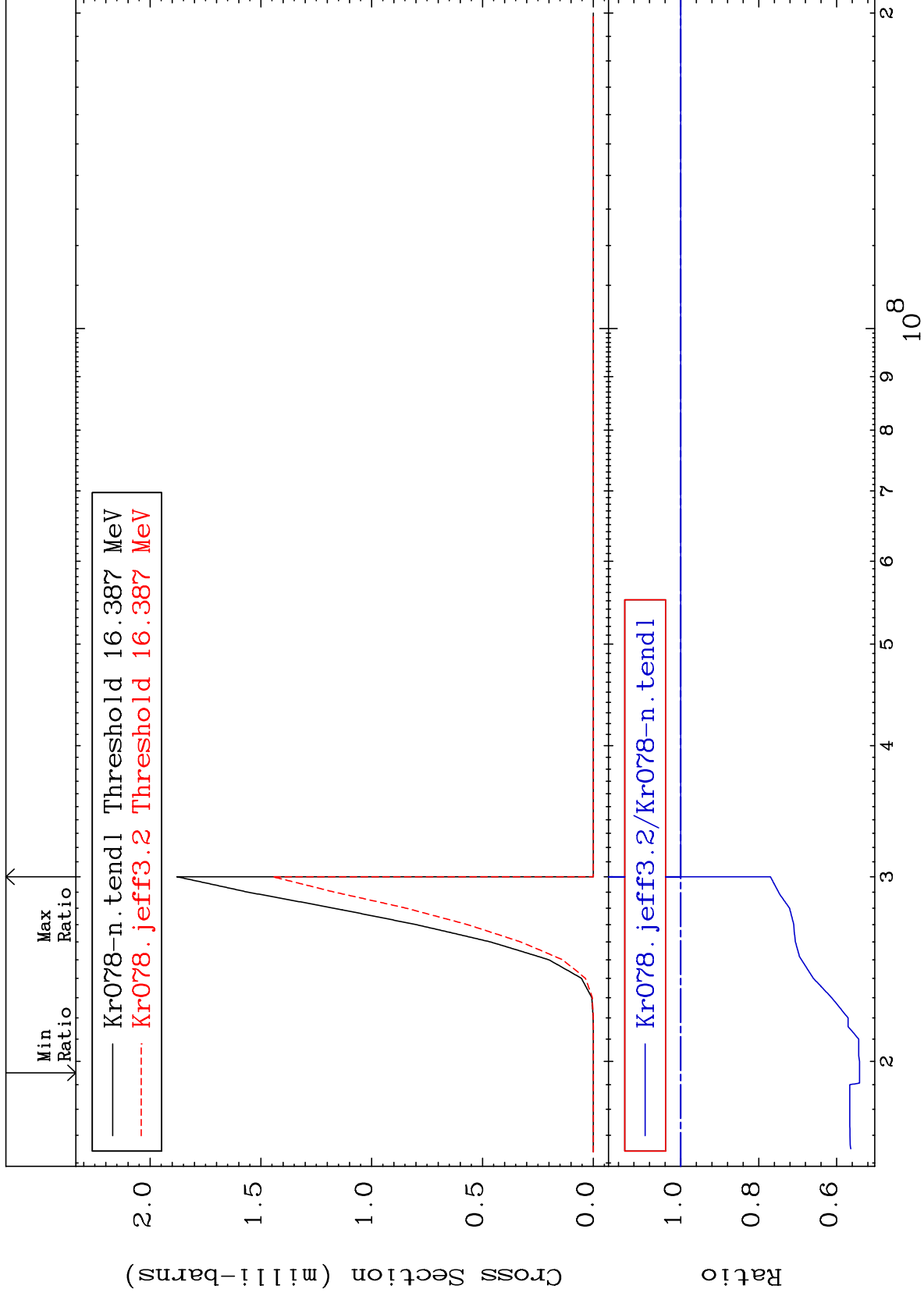
-47.00 To 0.000 %



MAT 3625

(n,p) t
Cross Section

³⁶Kr-78
-45.86 To 0.000 %



60

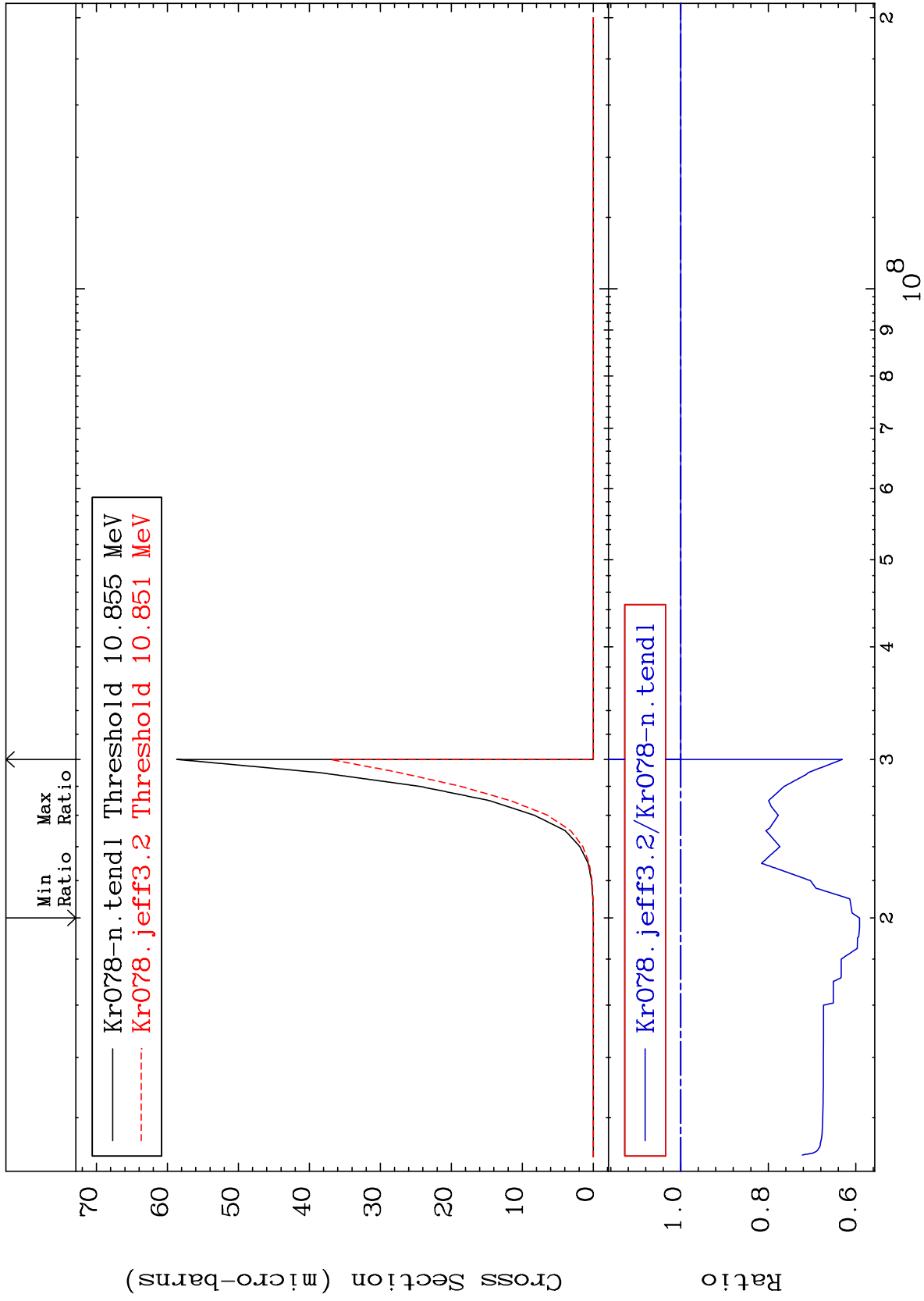
Incident Energy (eV)

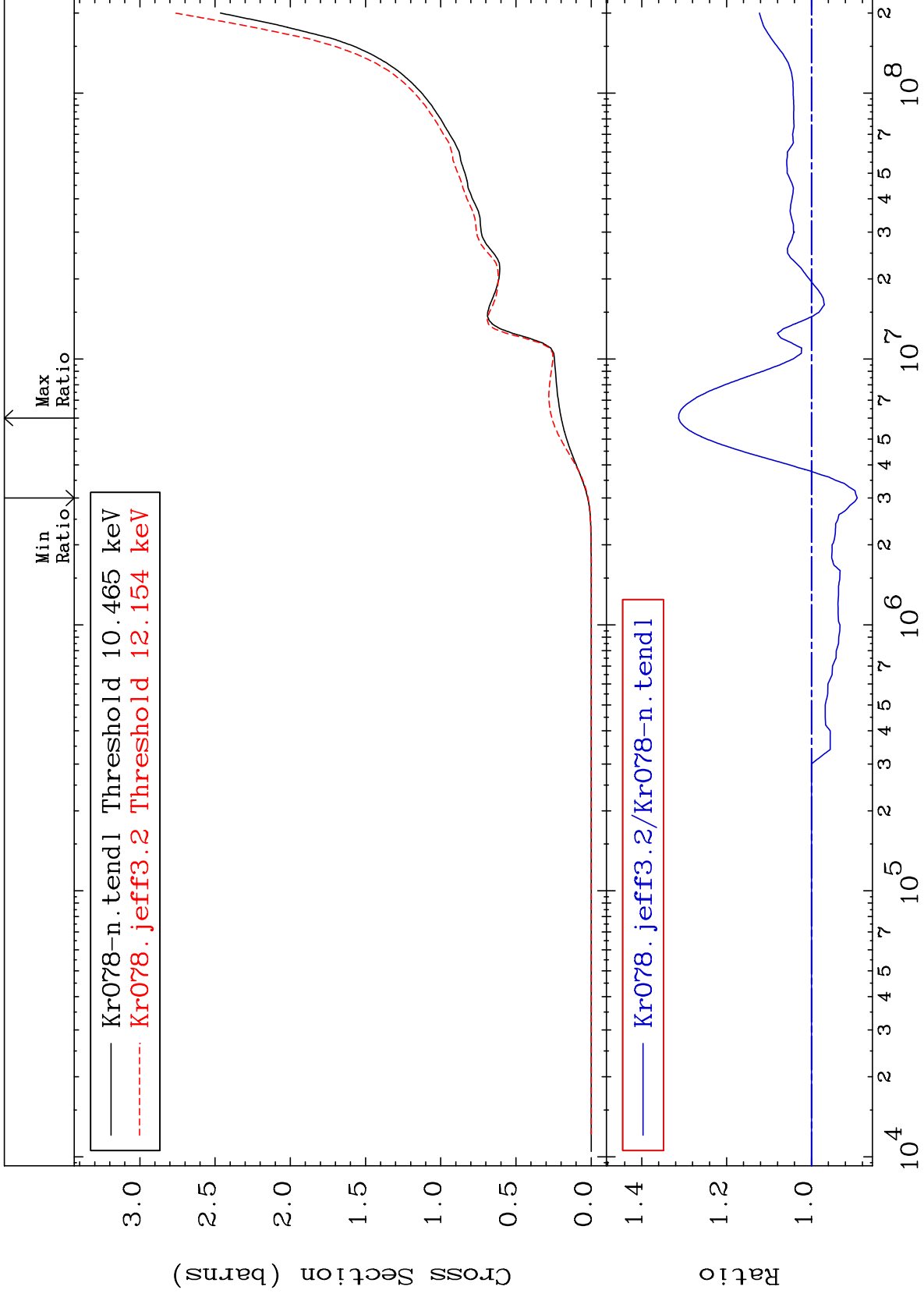
³⁶Kr-78

MAT 3625

(n, d) α
Cross Section

³⁶Kr-78
-40.86 To 0.000 %

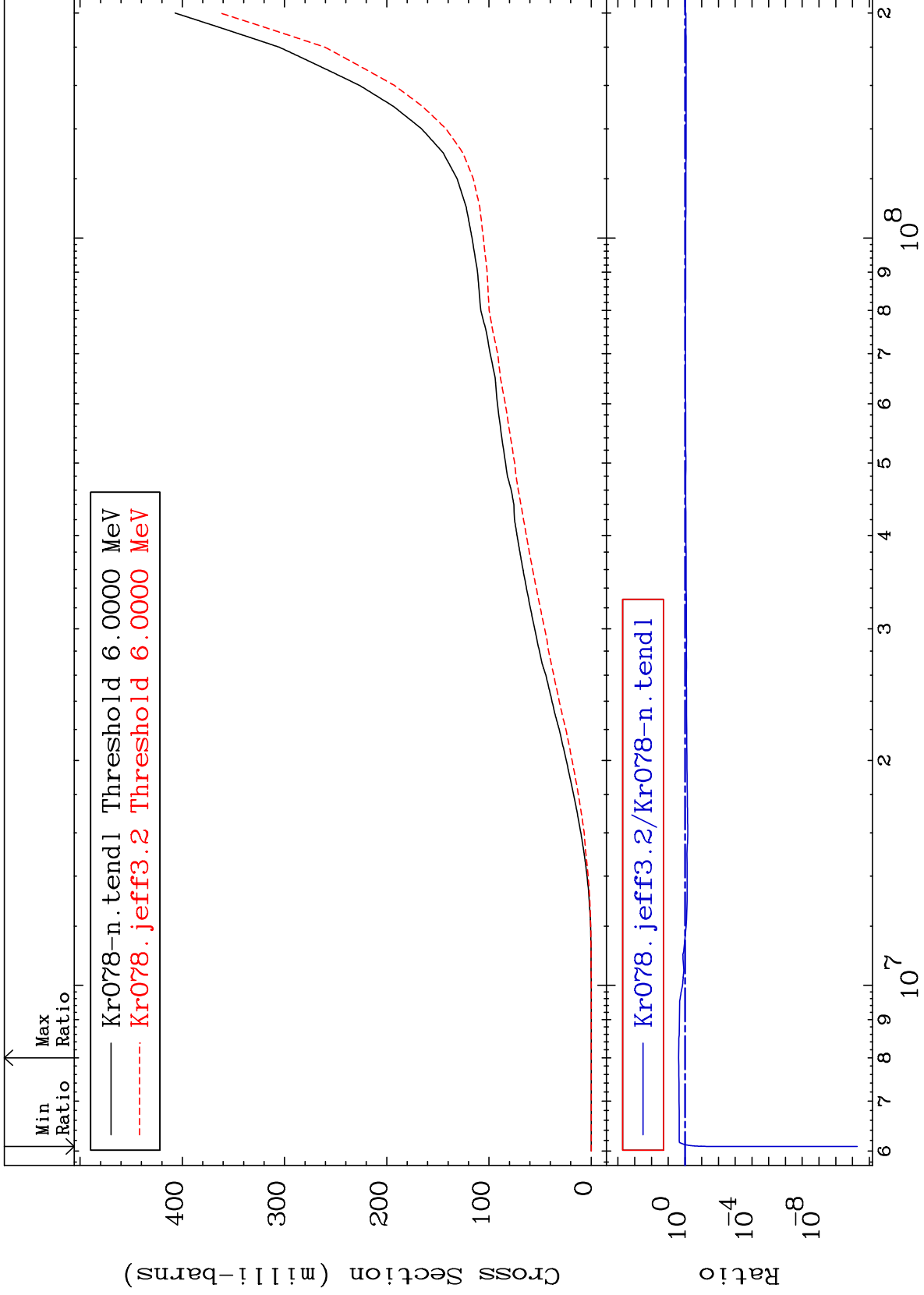


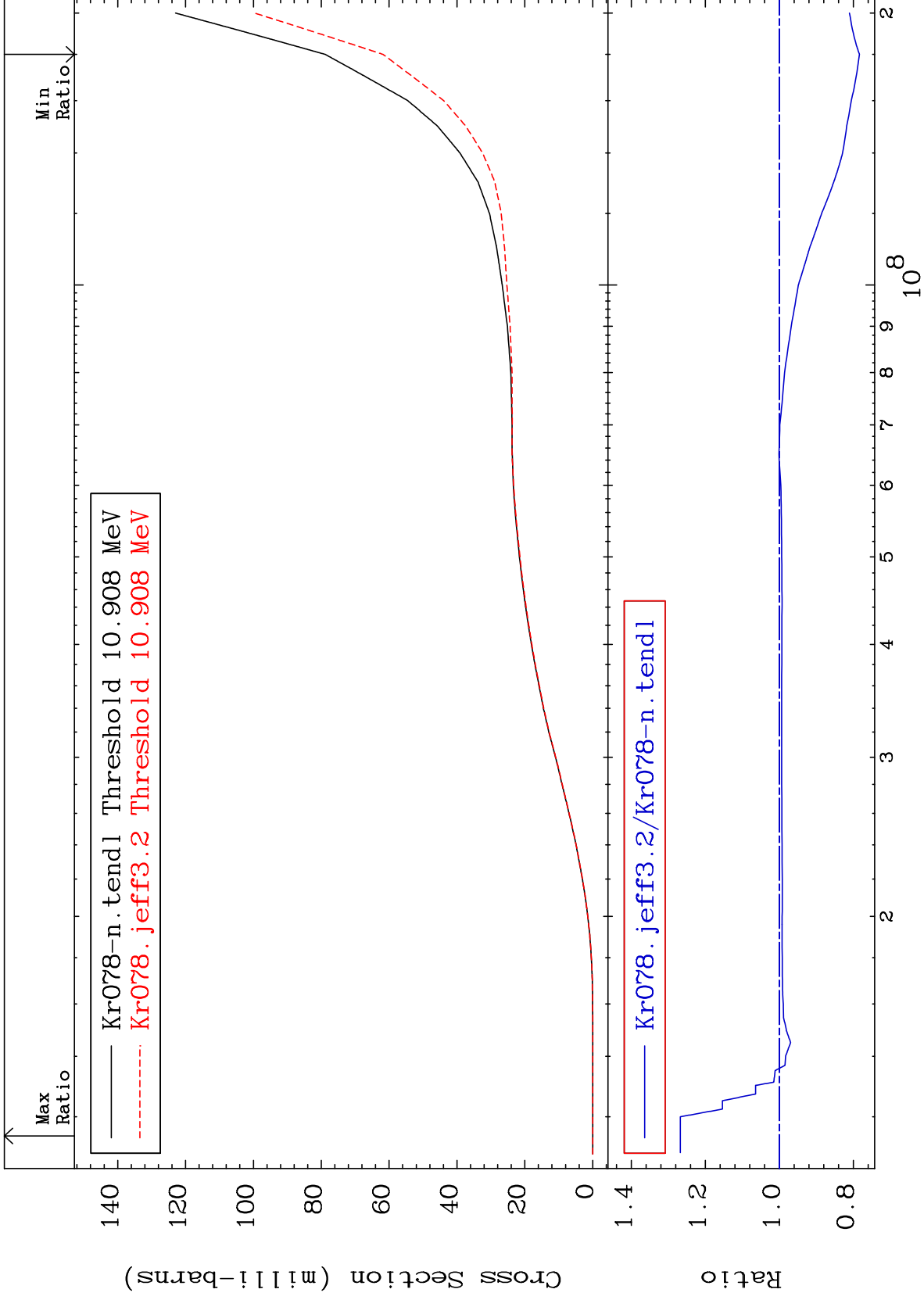


MAT 3625

Deuterium Production
Cross Section

³⁶Kr-78
-100.0 To 138.6 %

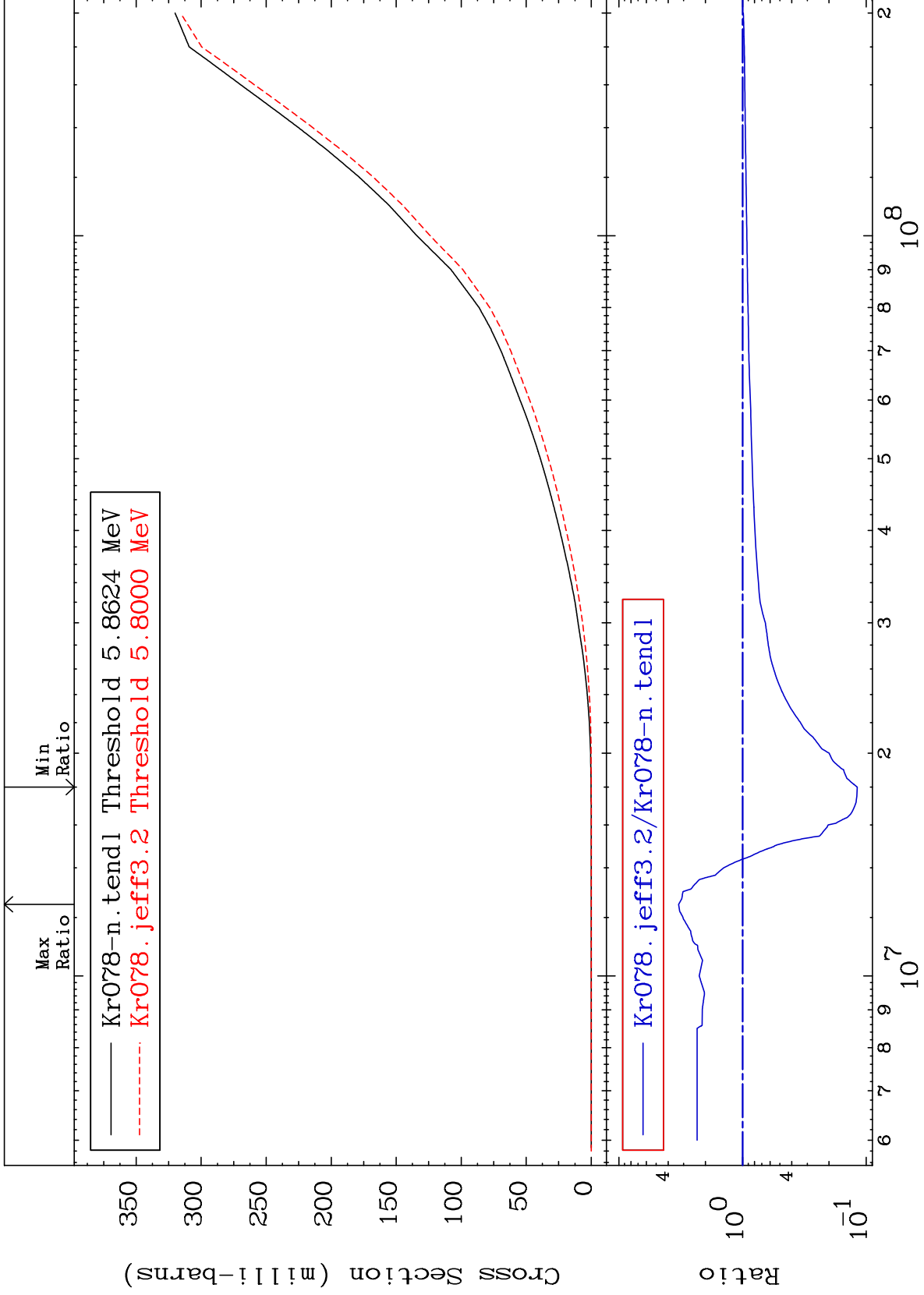




MAT 3625

He-3 Production
Cross Section

³⁶Kr-78
-88.17 To 229.1 %



65

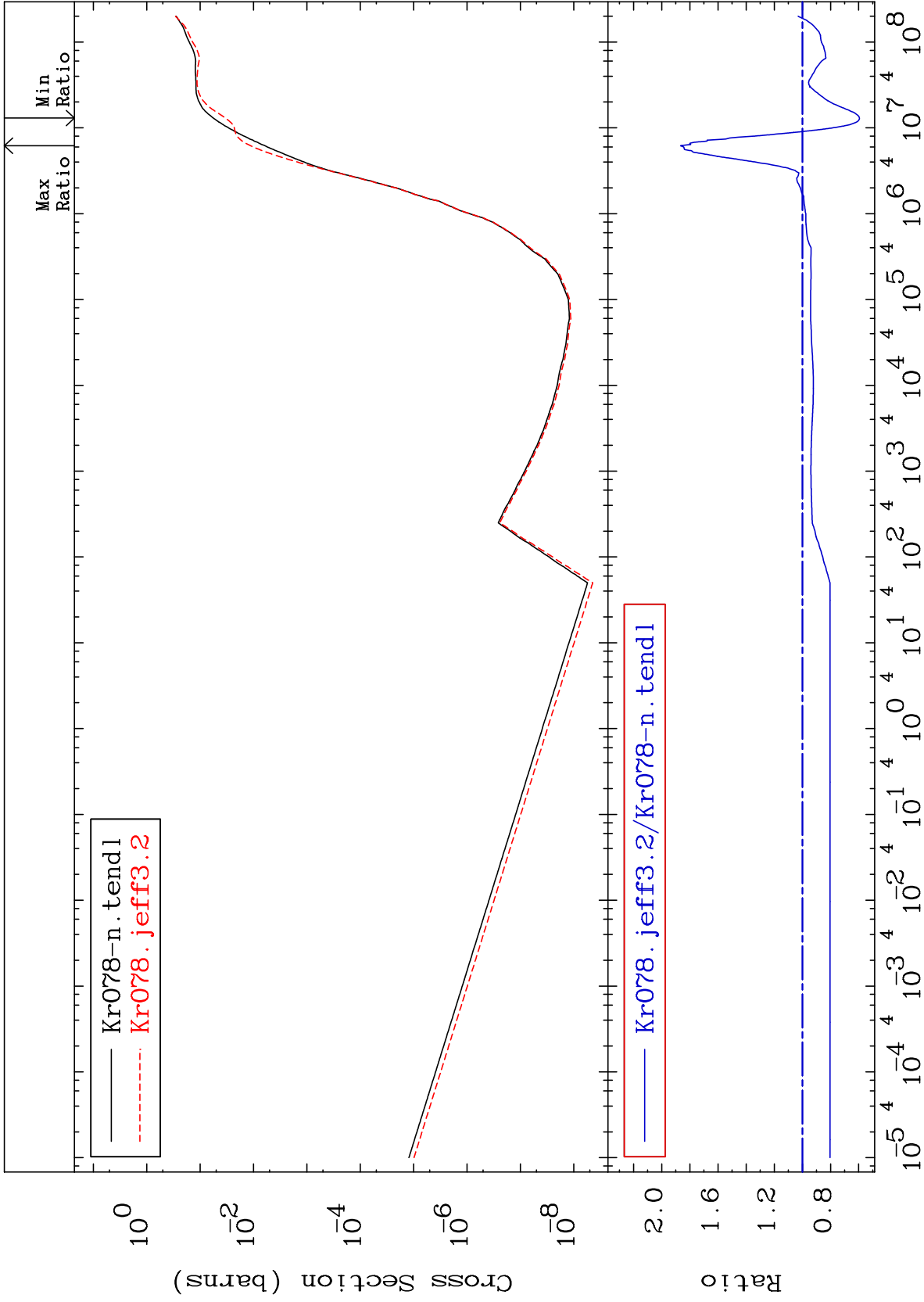
Incident Energy (eV)

³⁶Kr-78

MAT 3625

He-4 Production
Cross Section

36-Kr-78
-40.52 To 86.73 %



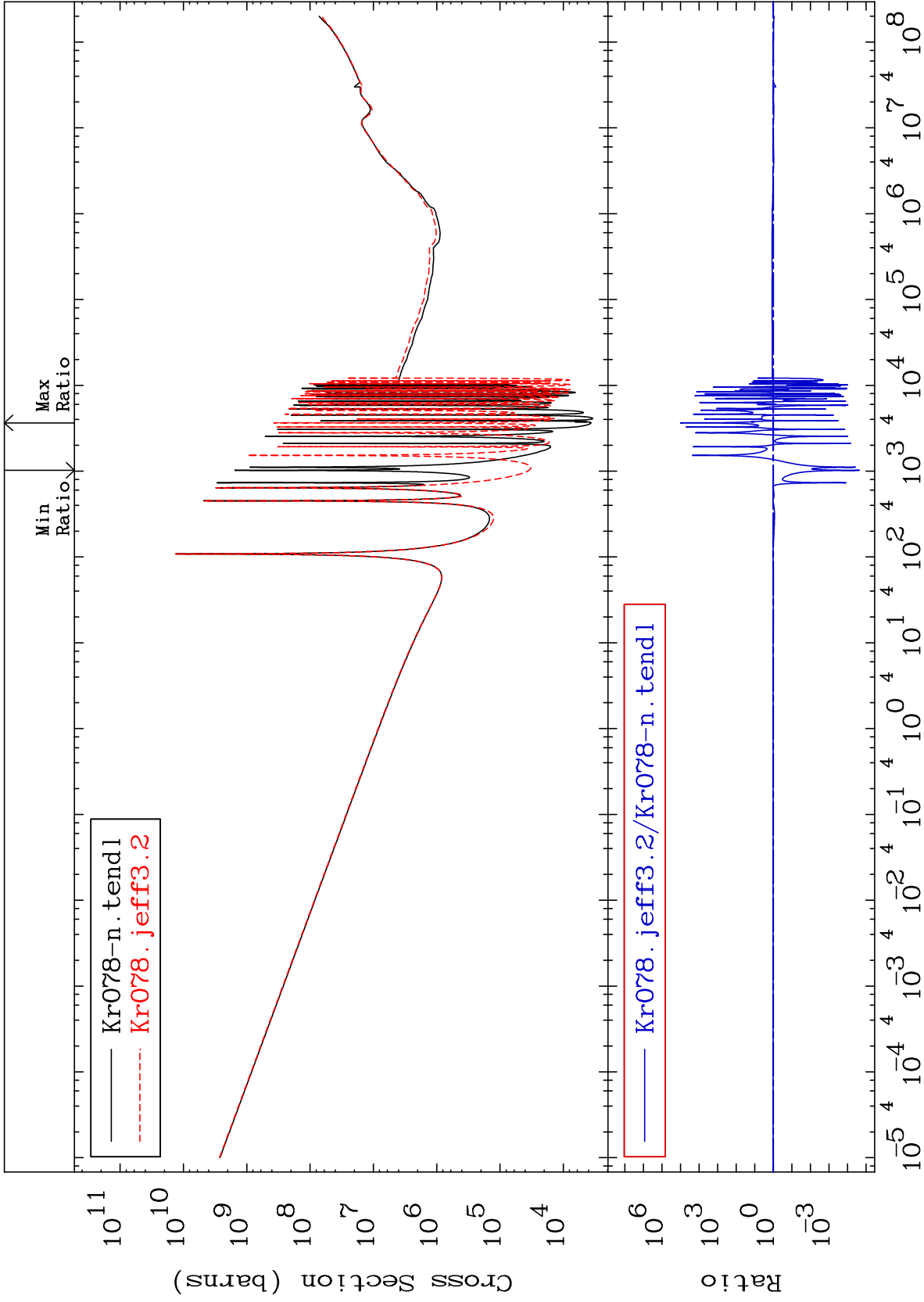
Incident Energy (eV)

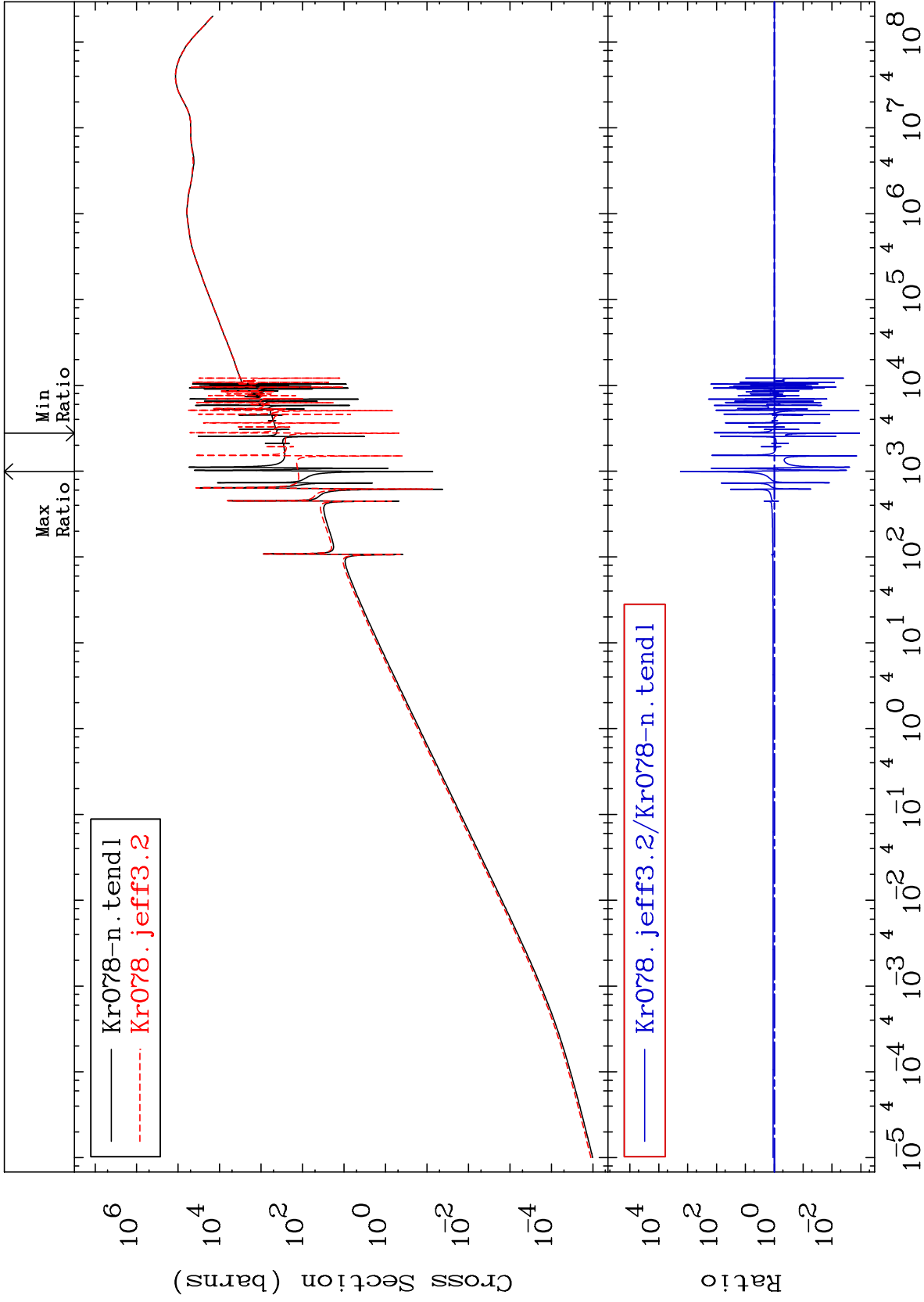
36-Kr-78

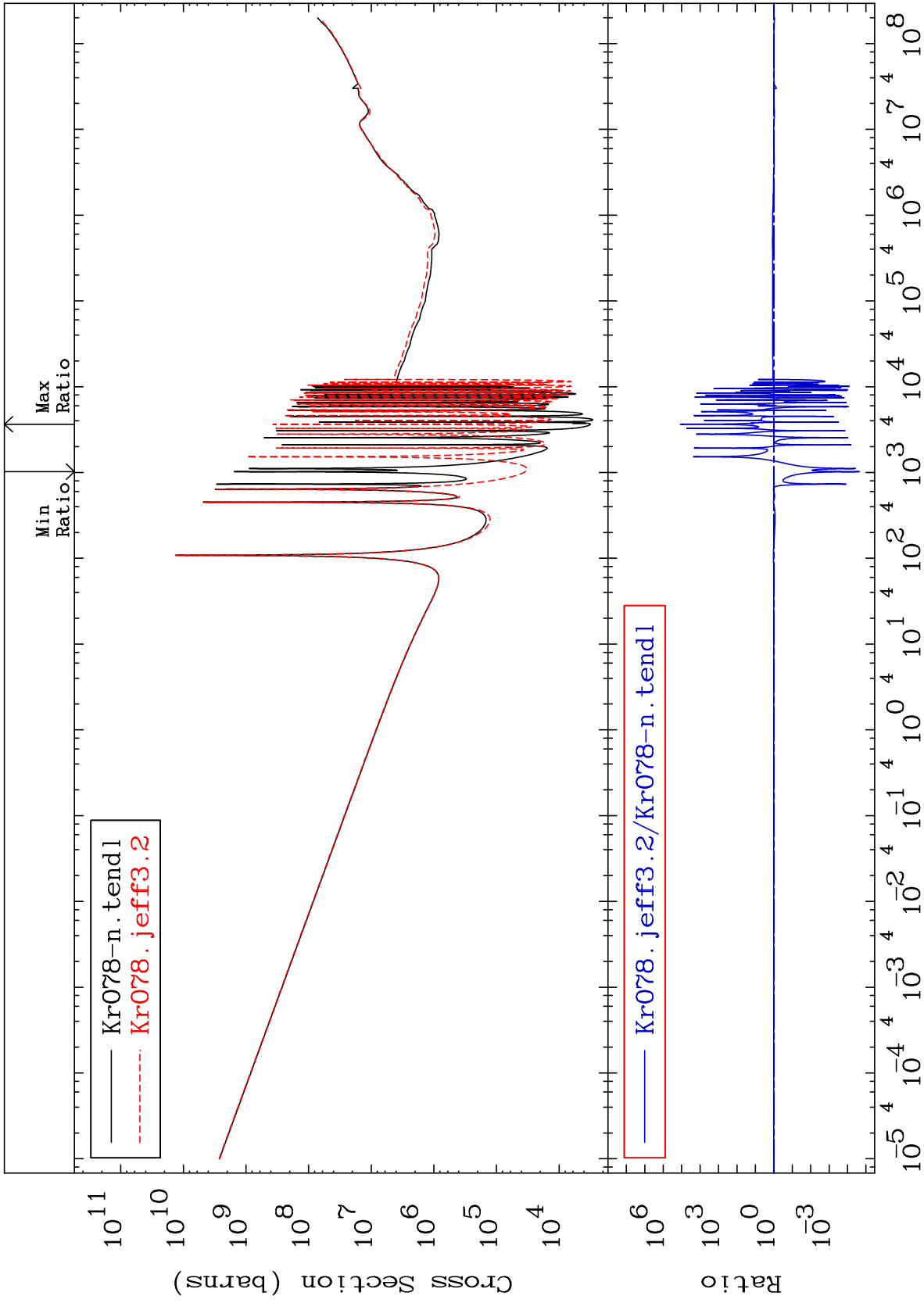
66

Cross Section

-100.0 To 9999. %



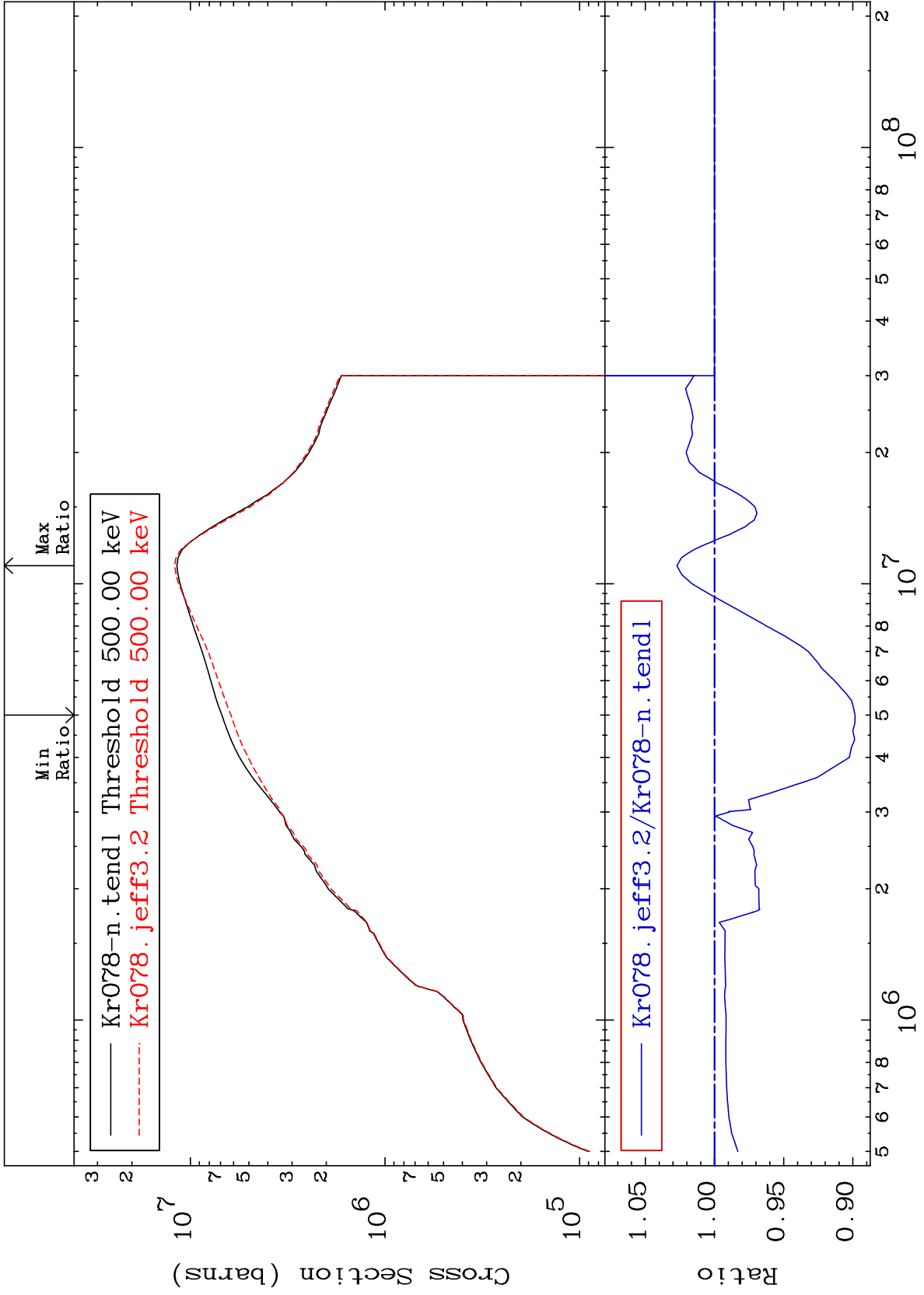




MAT 3625

Kerma inelastic (mt51-91)
Cross Section

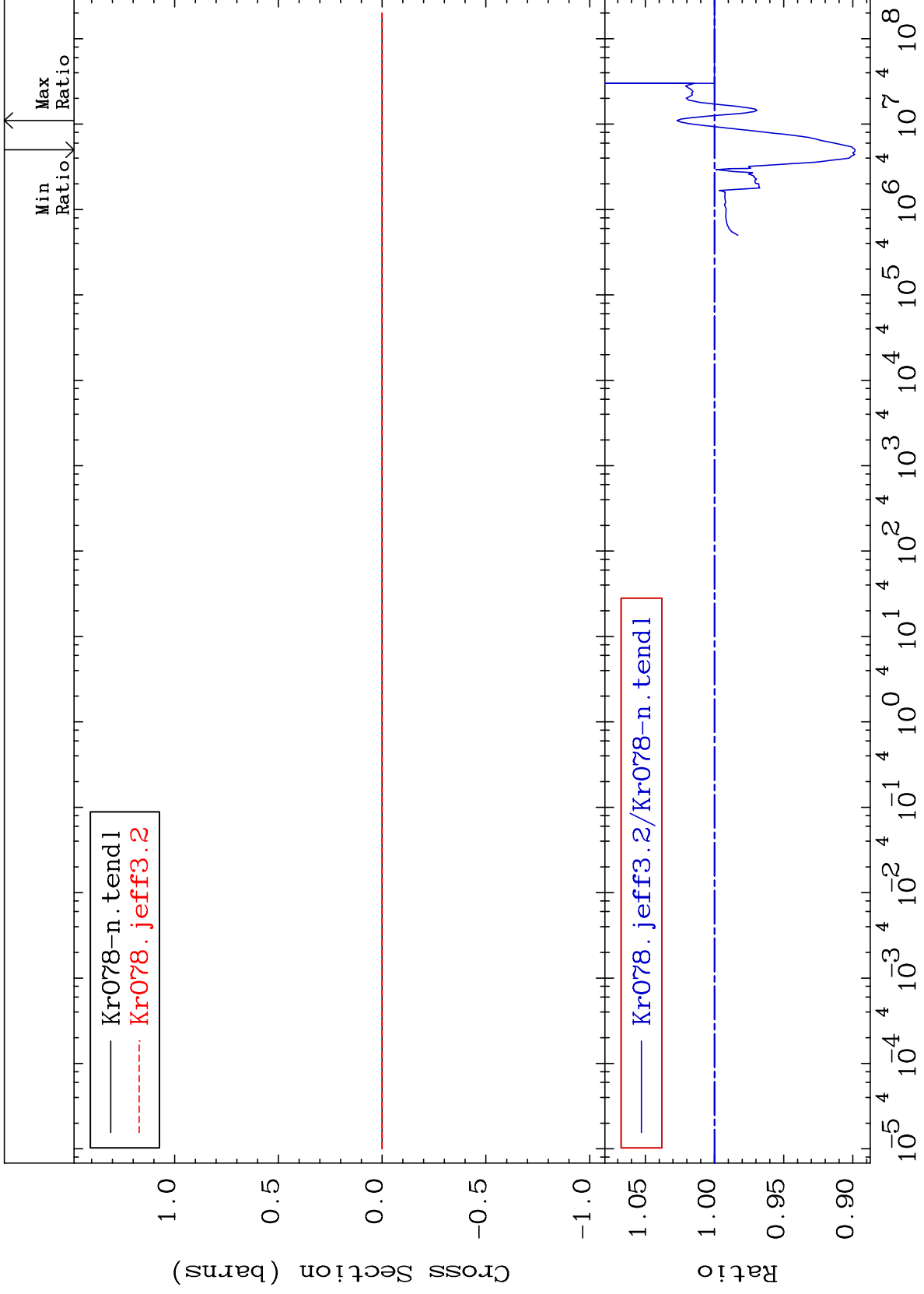
36-Kr-78
-10.16 To 2.716 %



MAT 3625

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

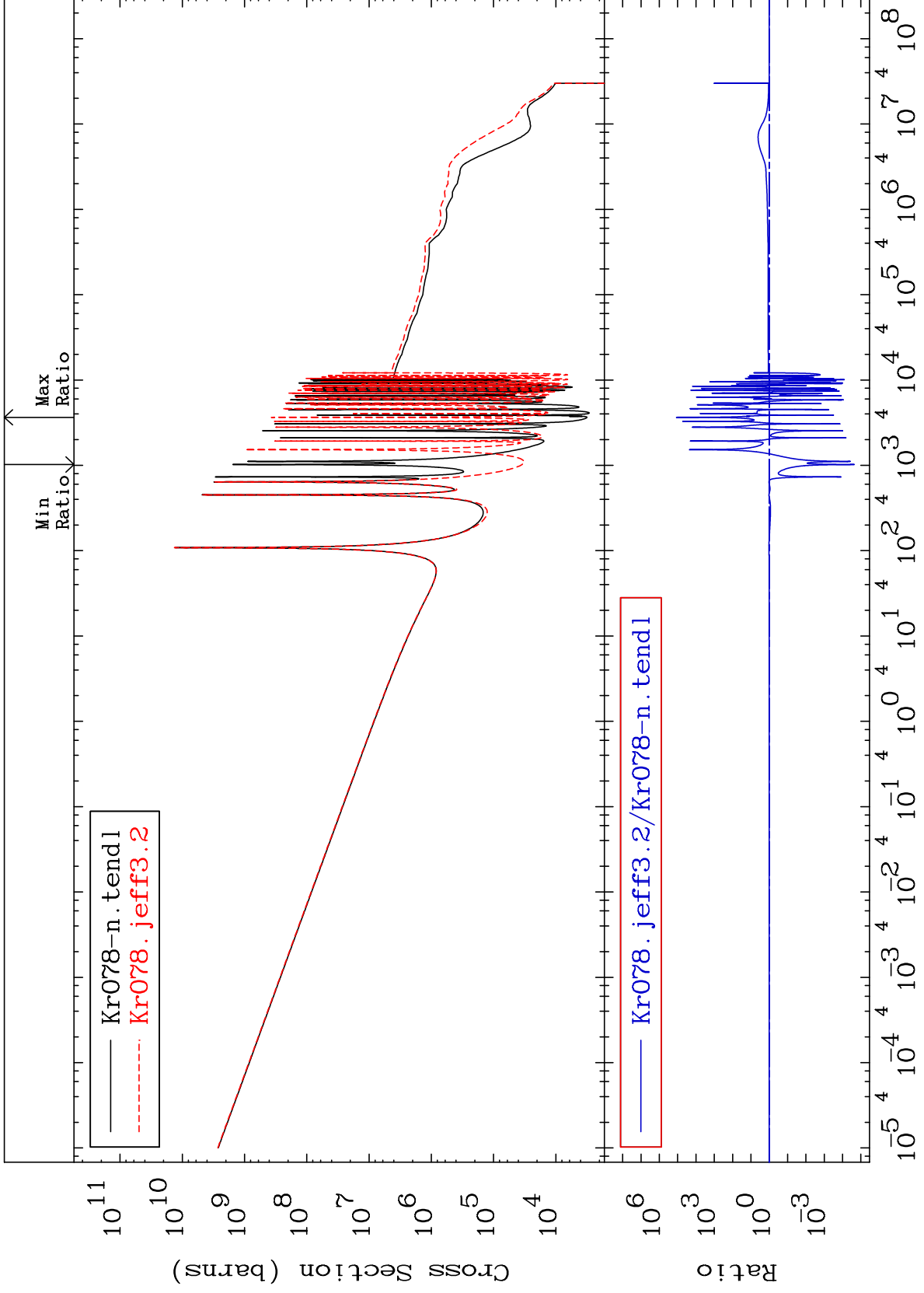
36-Kr-78
-10.16 To 2.716 %



MAT 3625

Kerma capture (mt102)
Cross Section

36-Kr-78
-100.0 To 9999. %



72

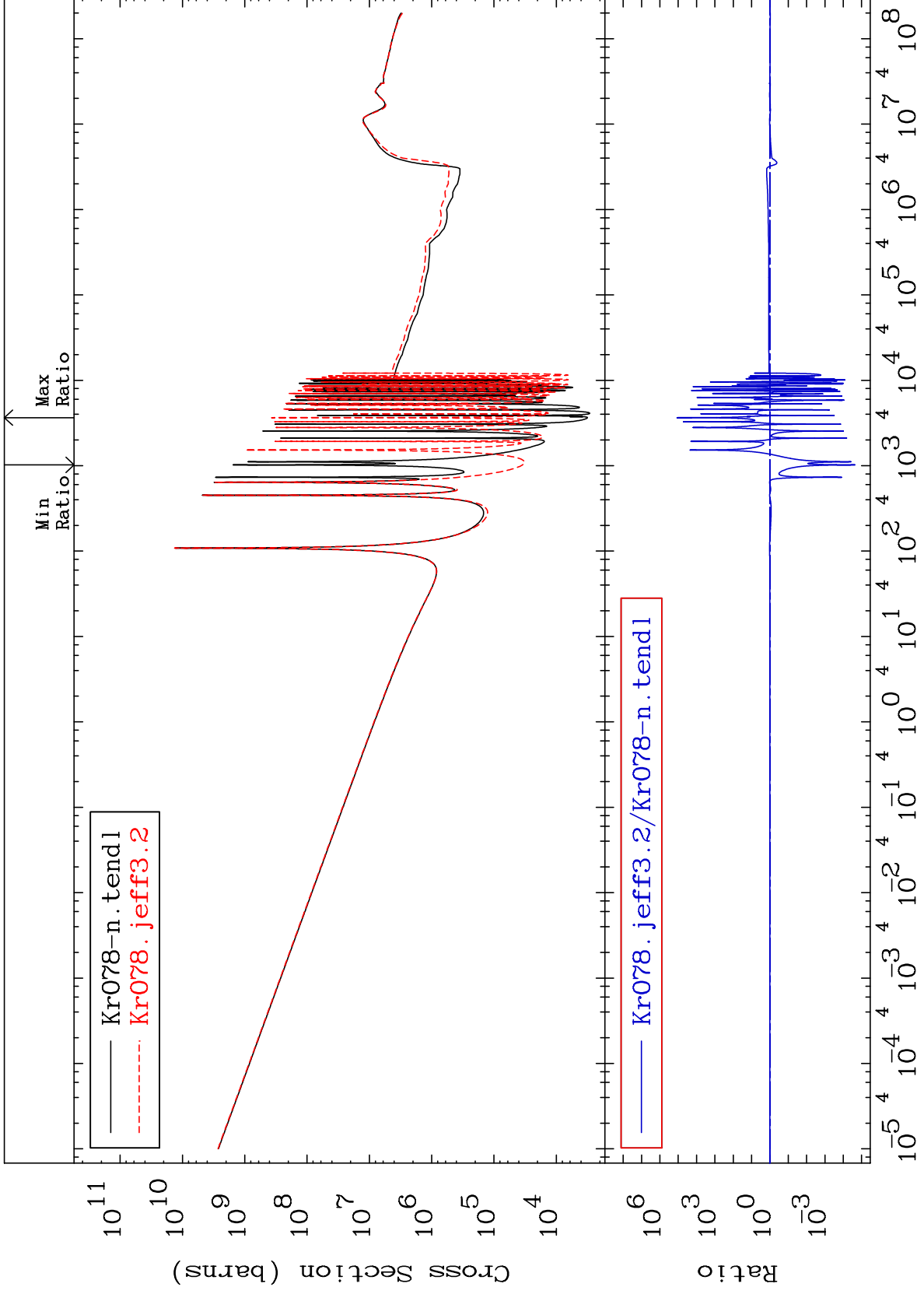
Incident Energy (eV)

36-Kr-78

MAT 3625

Total photon (eV-barns)
Cross Section

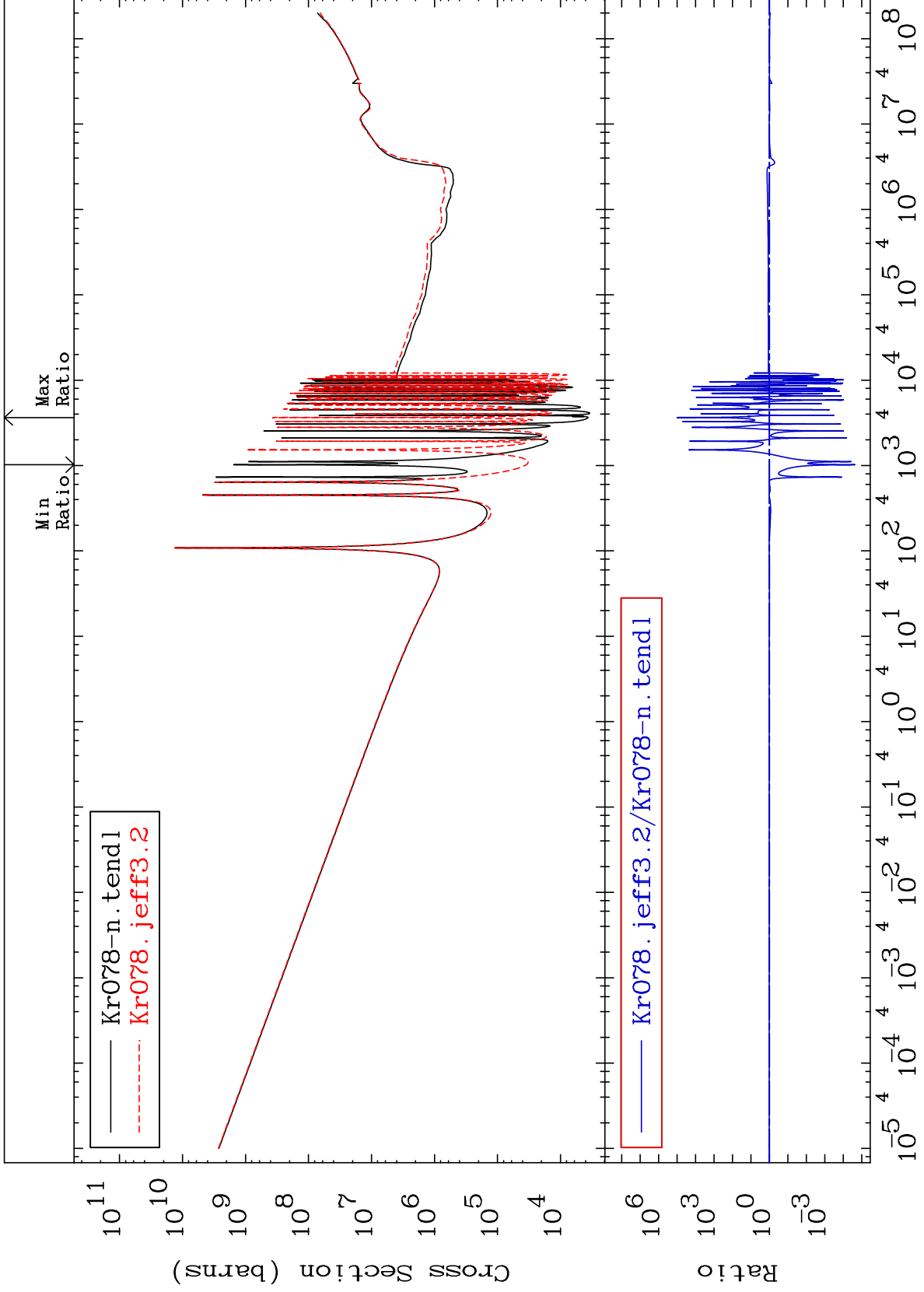
36-Kr-78
-100.0 To 9999. %

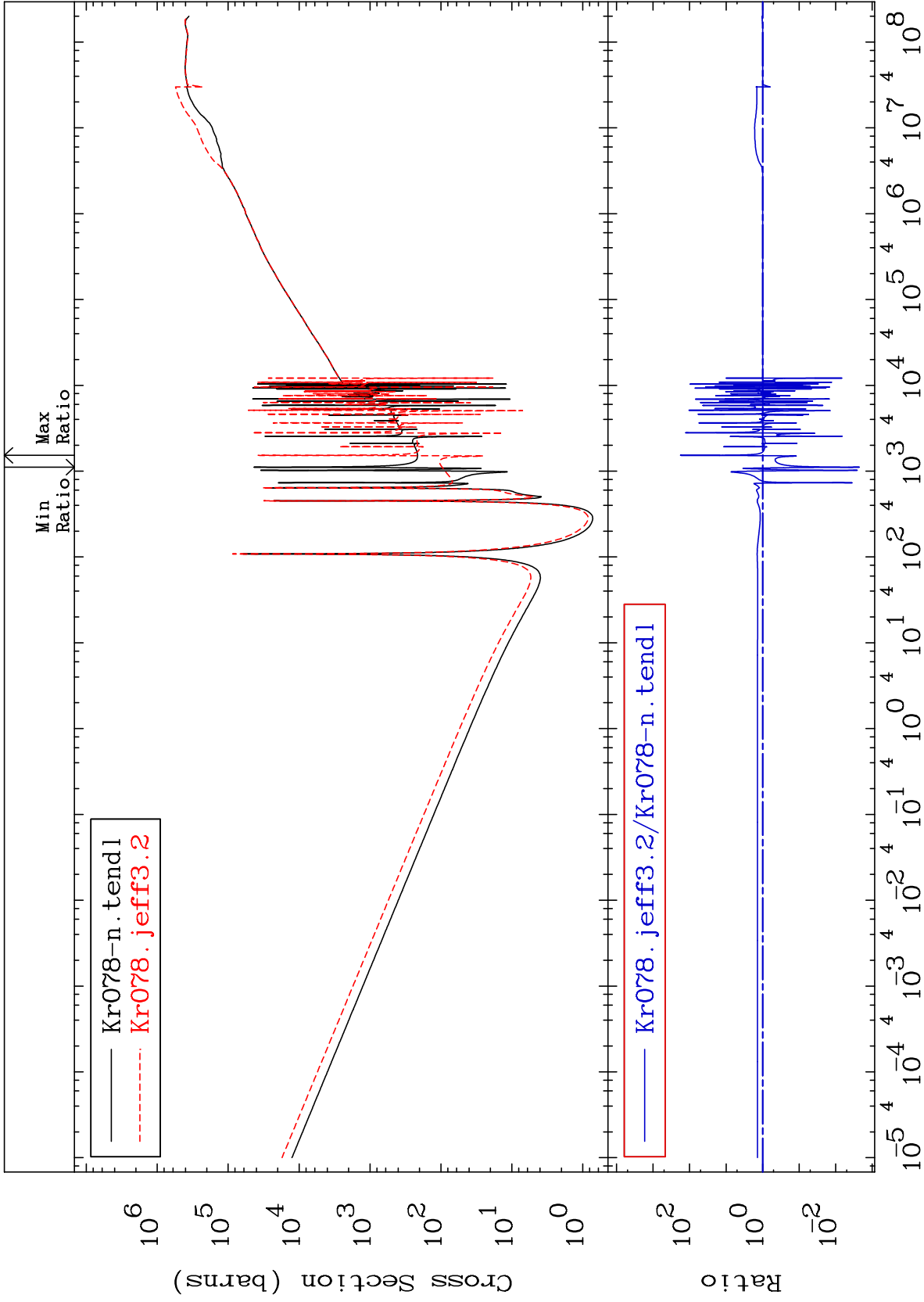


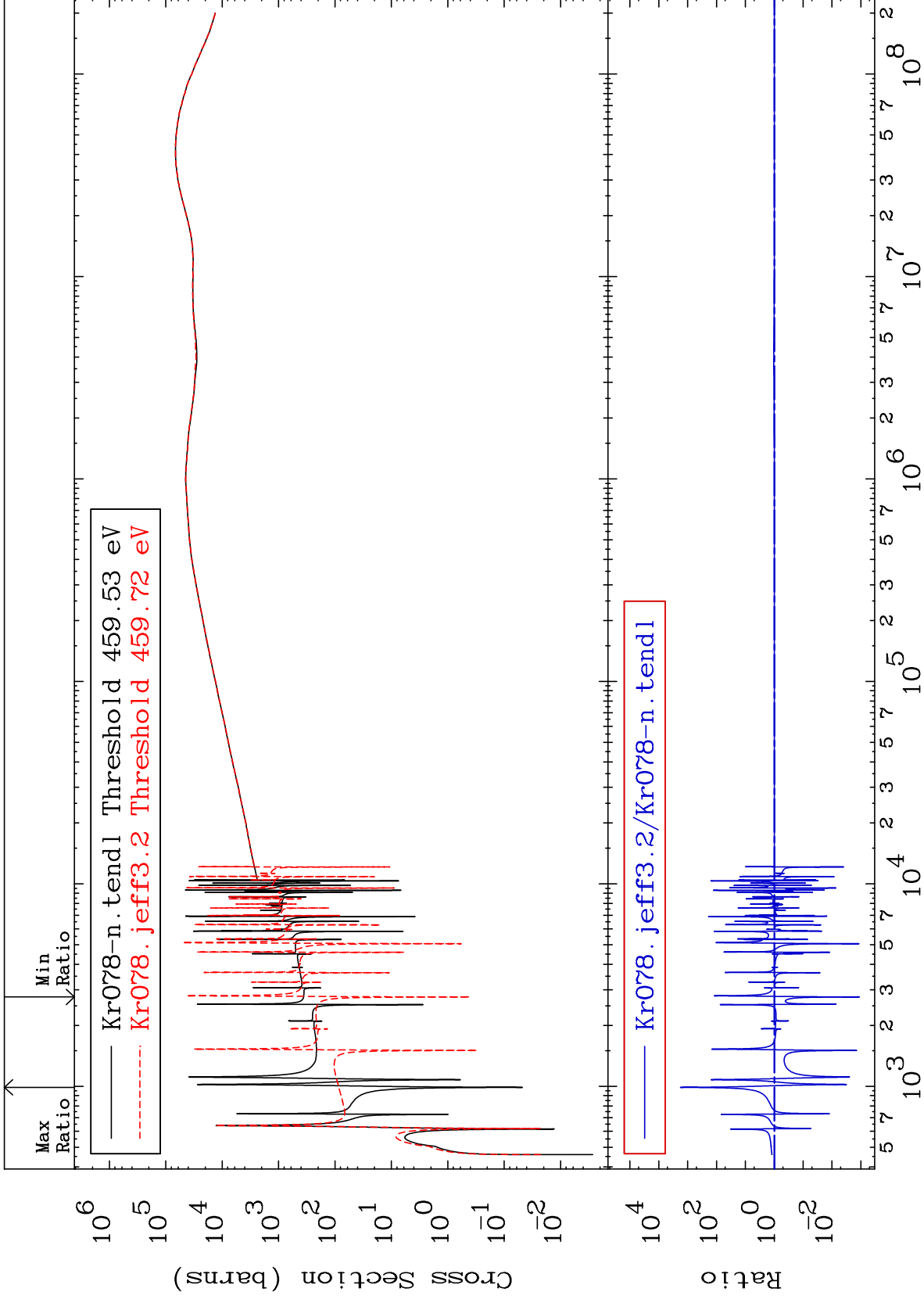
73

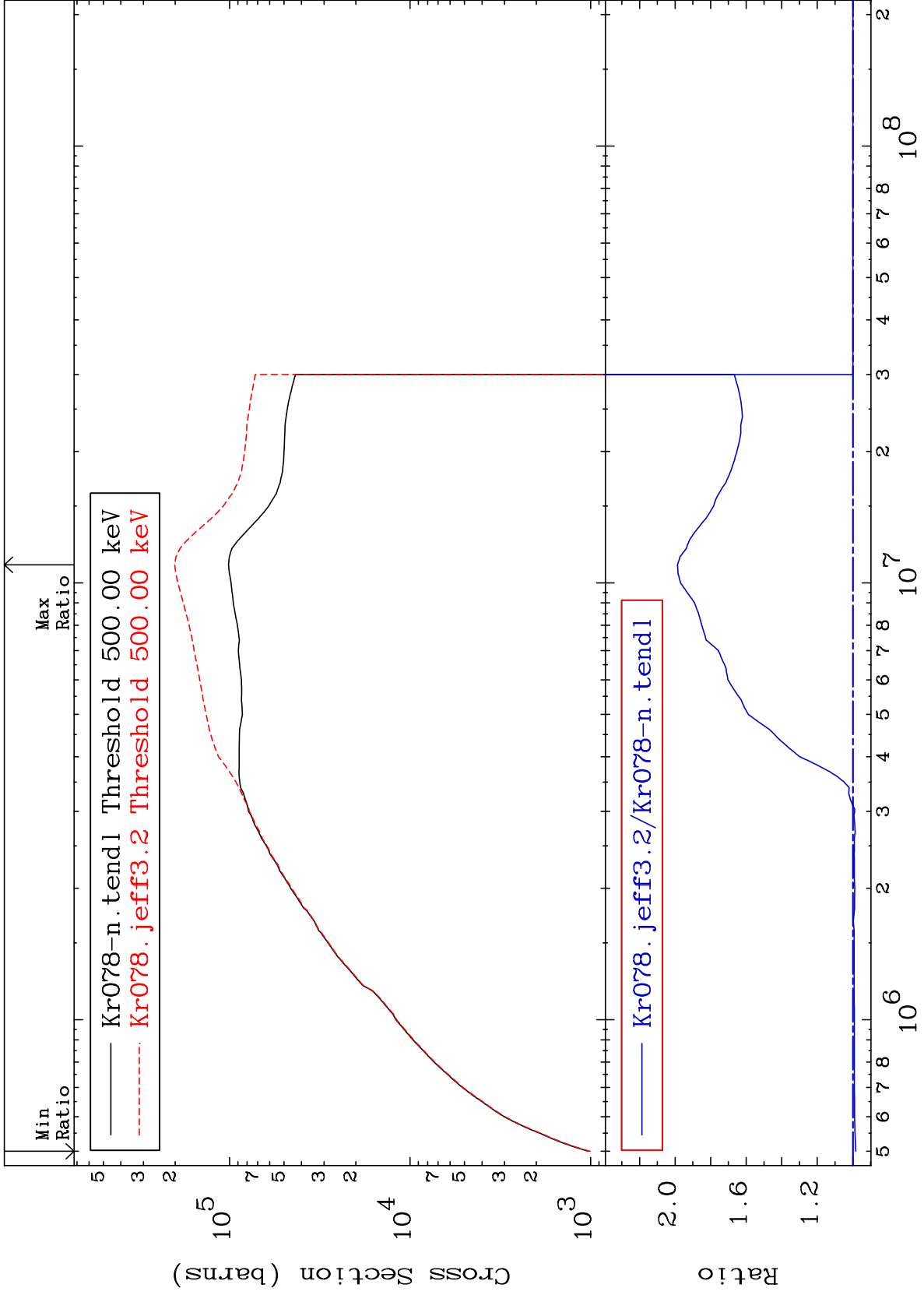
Incident Energy (eV)

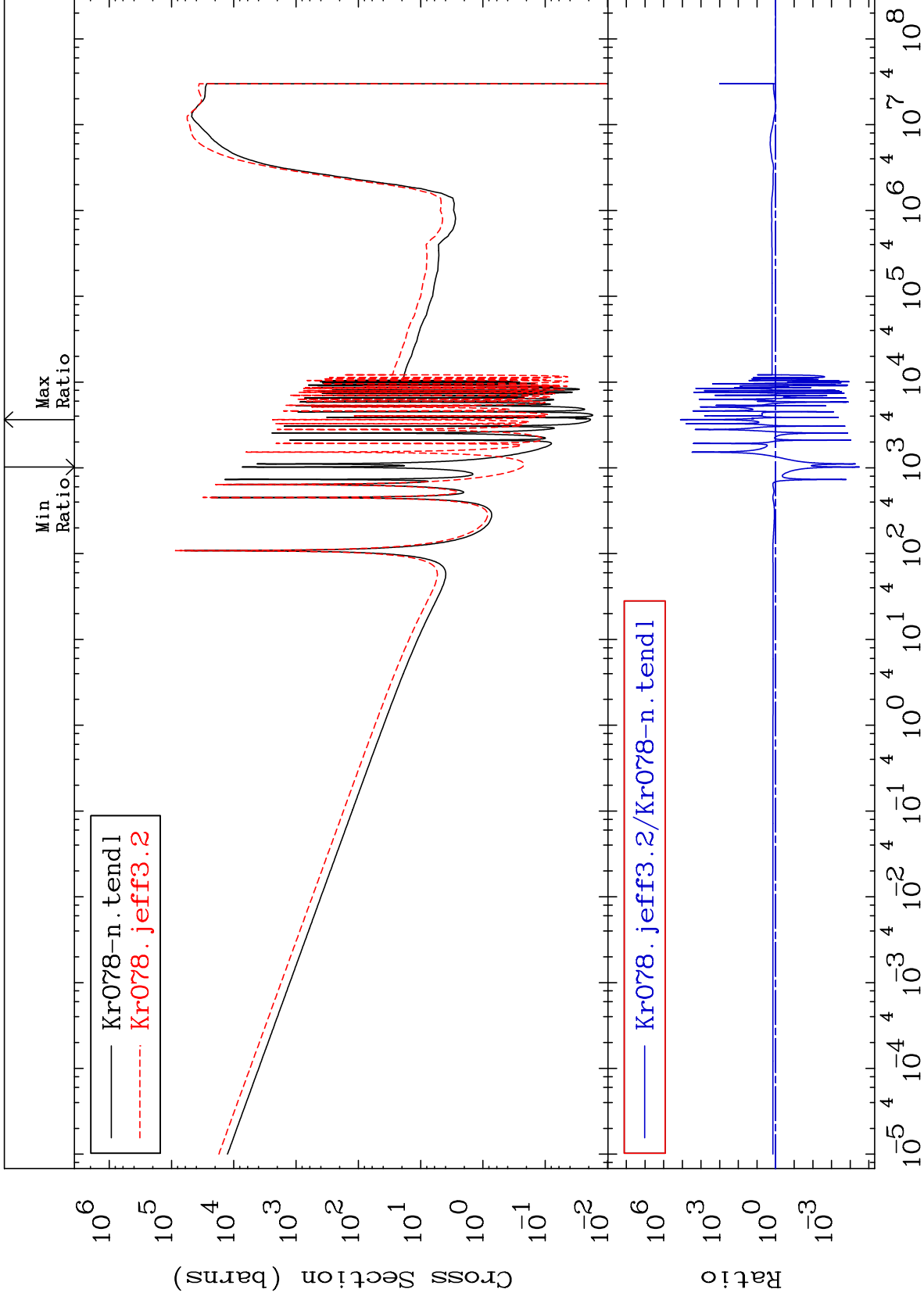
36-Kr-78



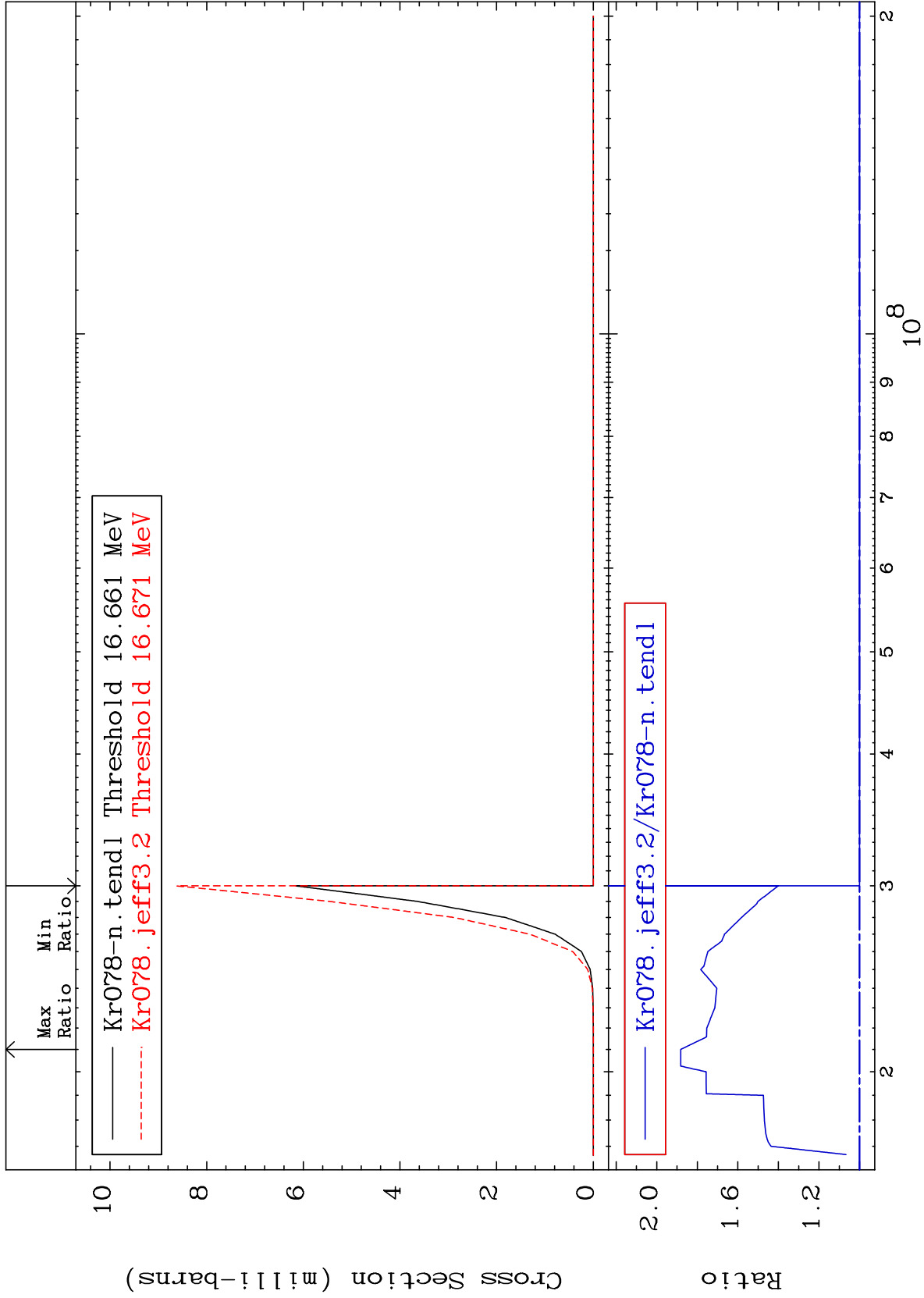




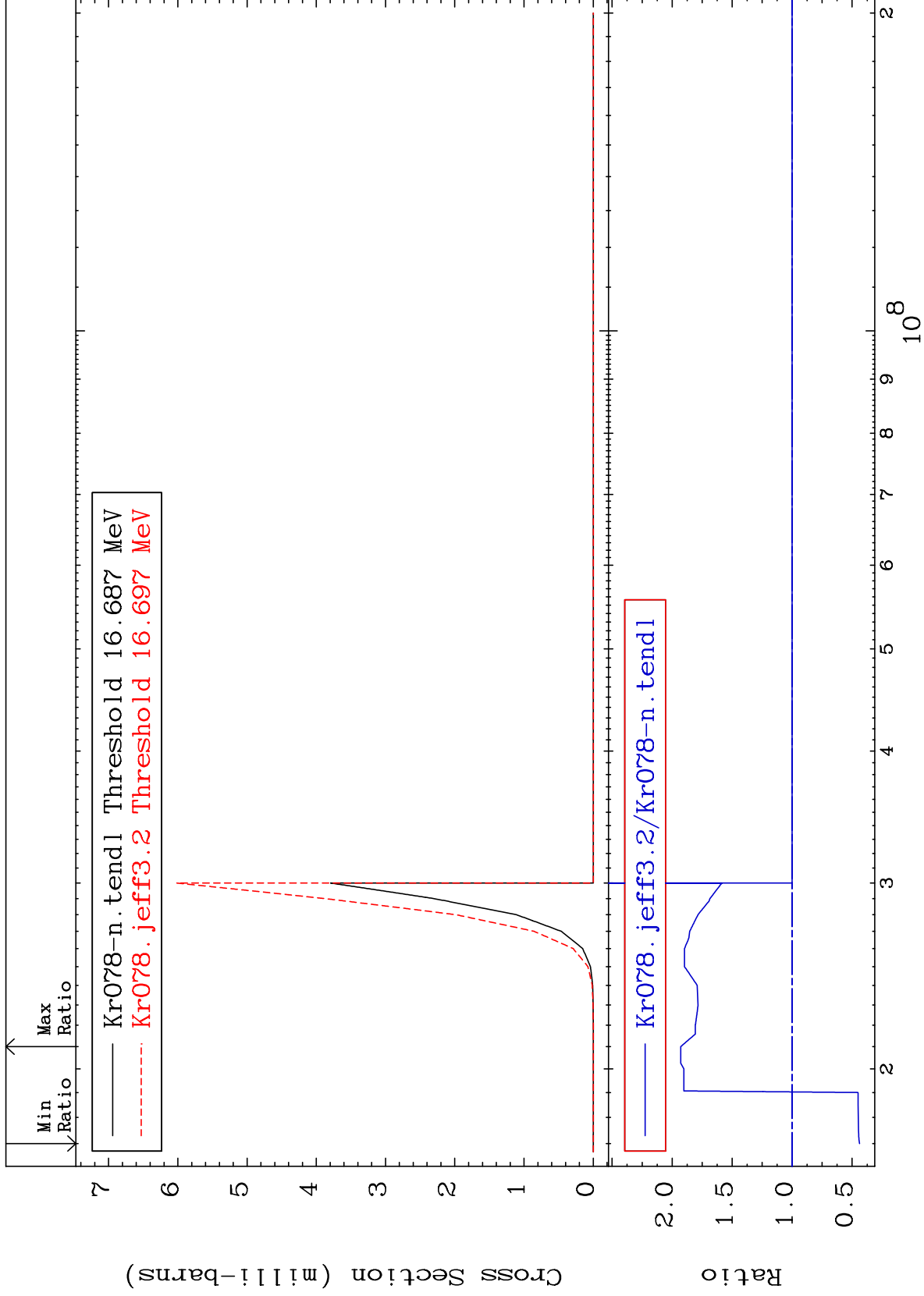




Radionuclide Production Cross Section 0.000 To 88.15 %



Radionuclide Production Cross Section -56.17 To 92.79 %

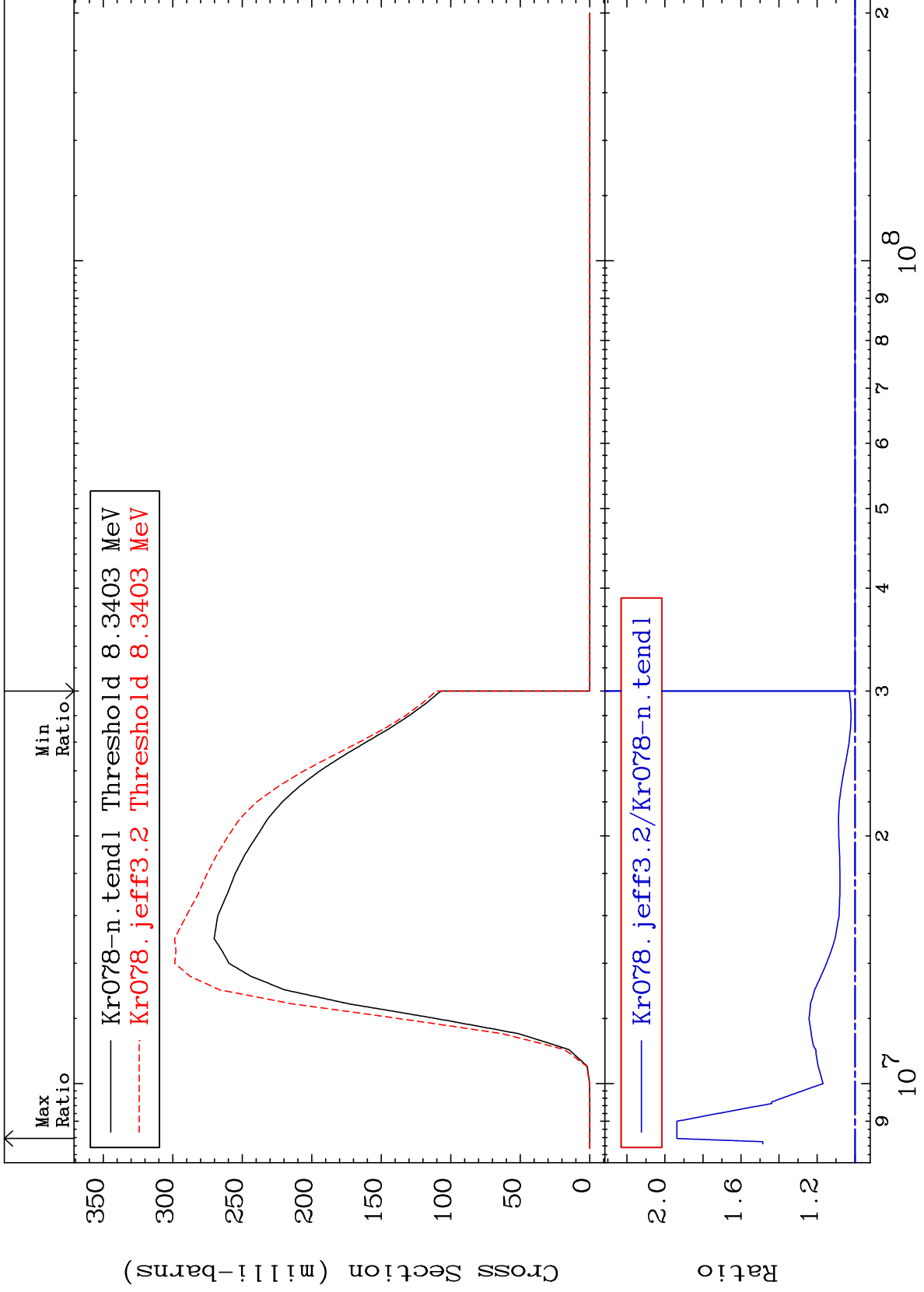


MAT 3625

(n, n') p:35-Br-77g

36-Kr-78

Radionuclide Production Cross Section 0.000 To 93.69 %

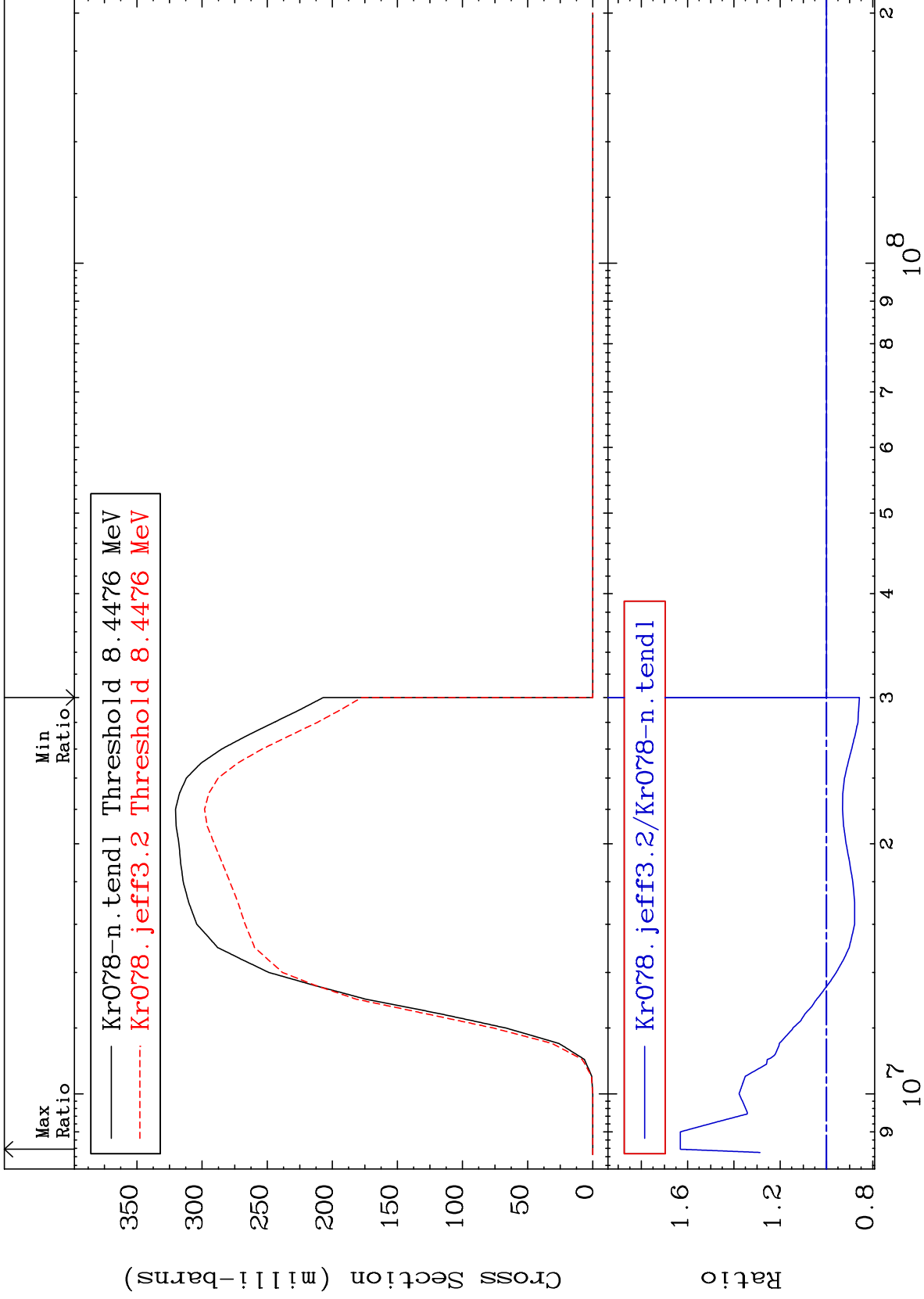


81

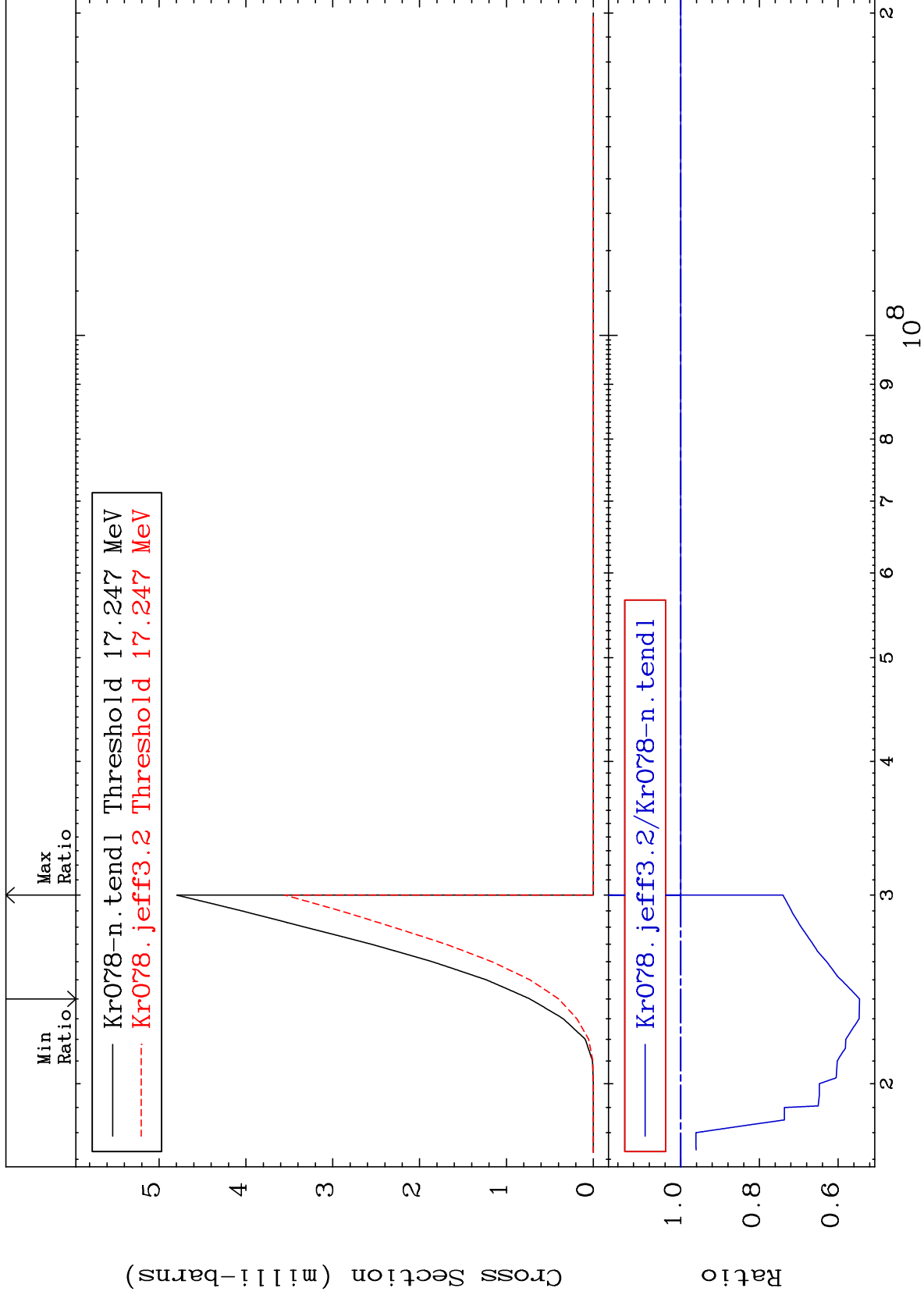
Incident Energy (eV)

36-Kr-78

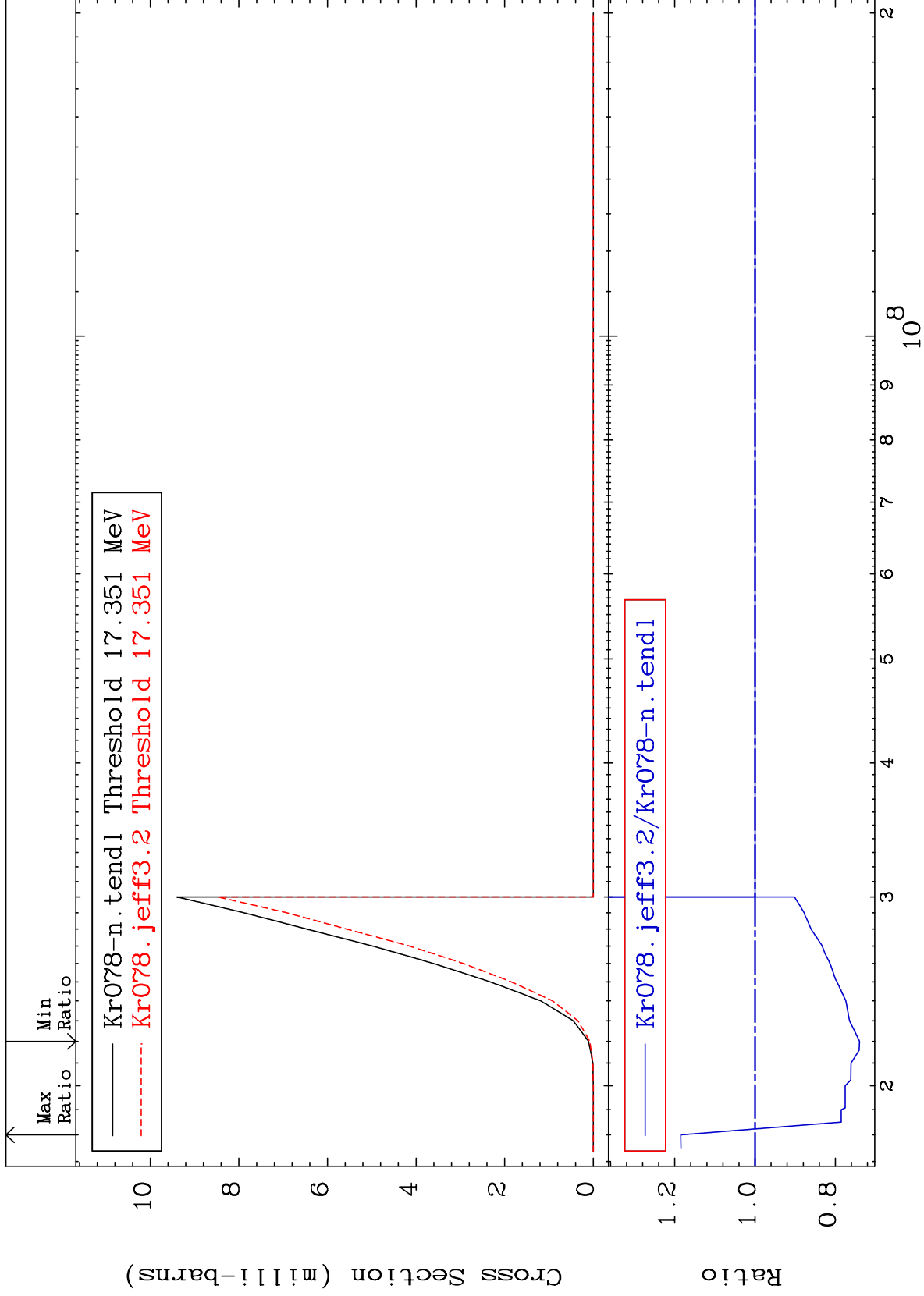
Radionuclide Production Cross Section -14.28 To 63.13 %



Radionuclide Production Cross Section -45.43 To 0.000 %



Radionuclide Production Cross Section -26.02 To 18.50 %

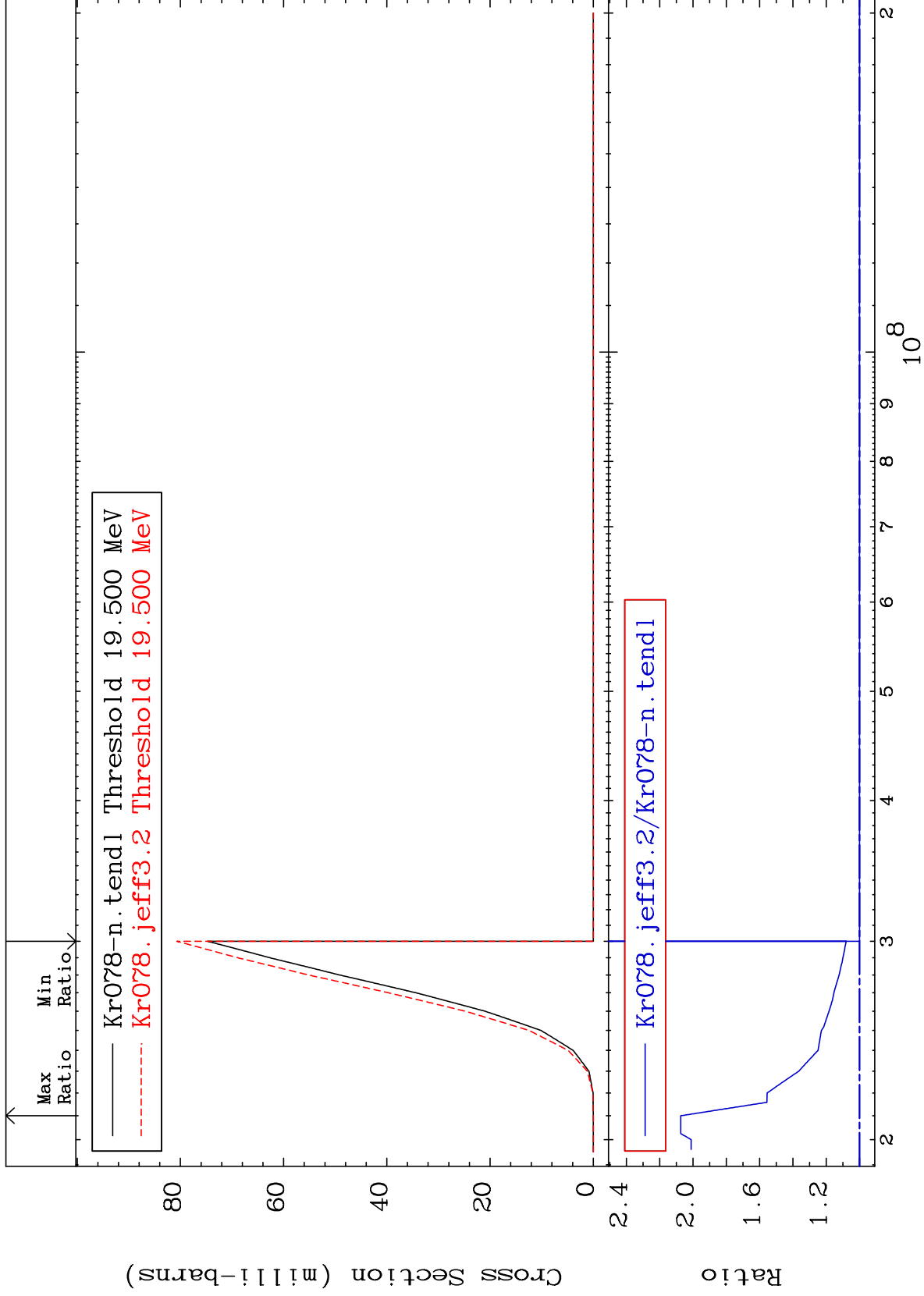


MAT 3625

(n,2n) p:35-Br-76g

36-Kr-78

Radionuclide Production Cross Section 0.000 To 107.4 %

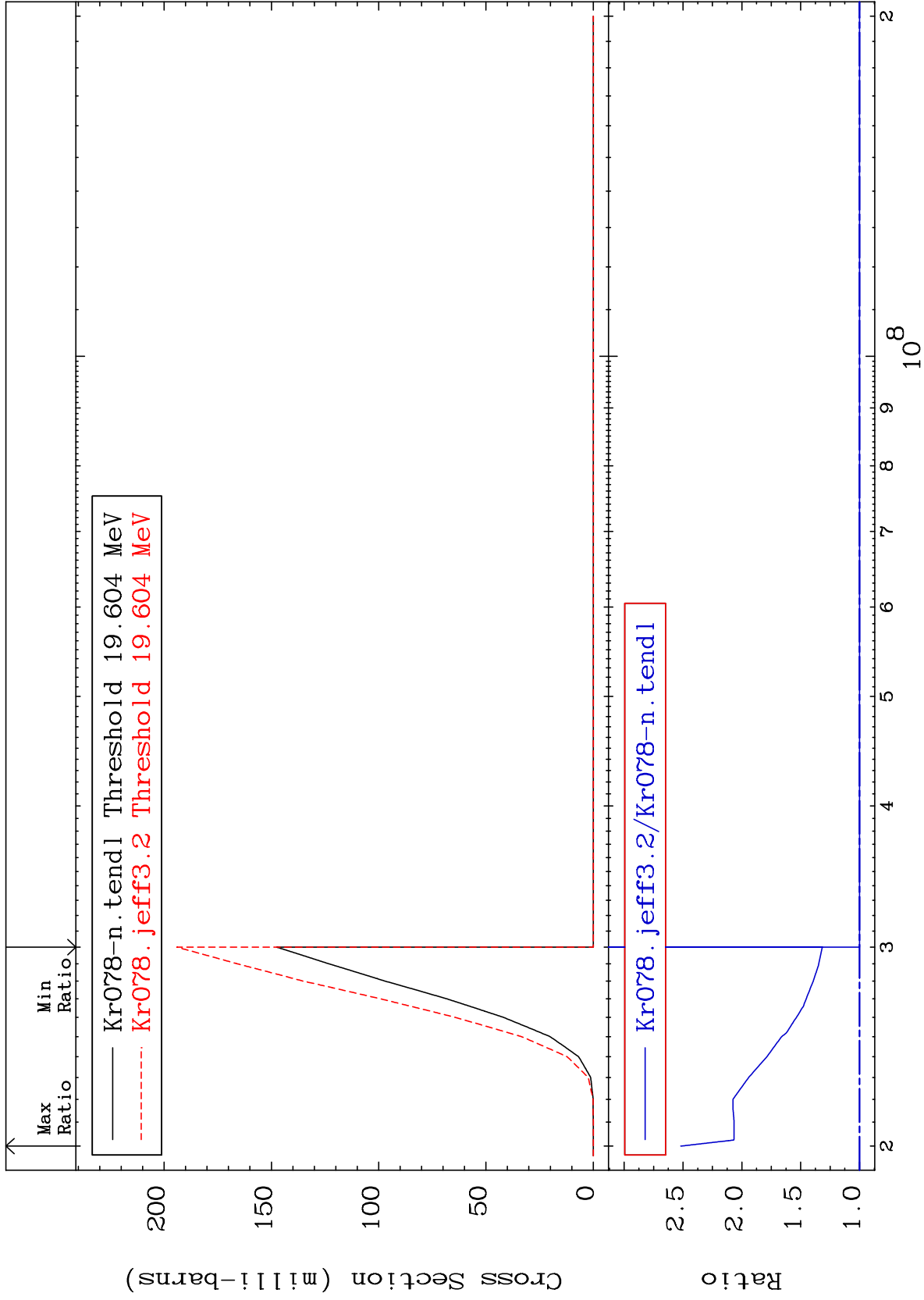


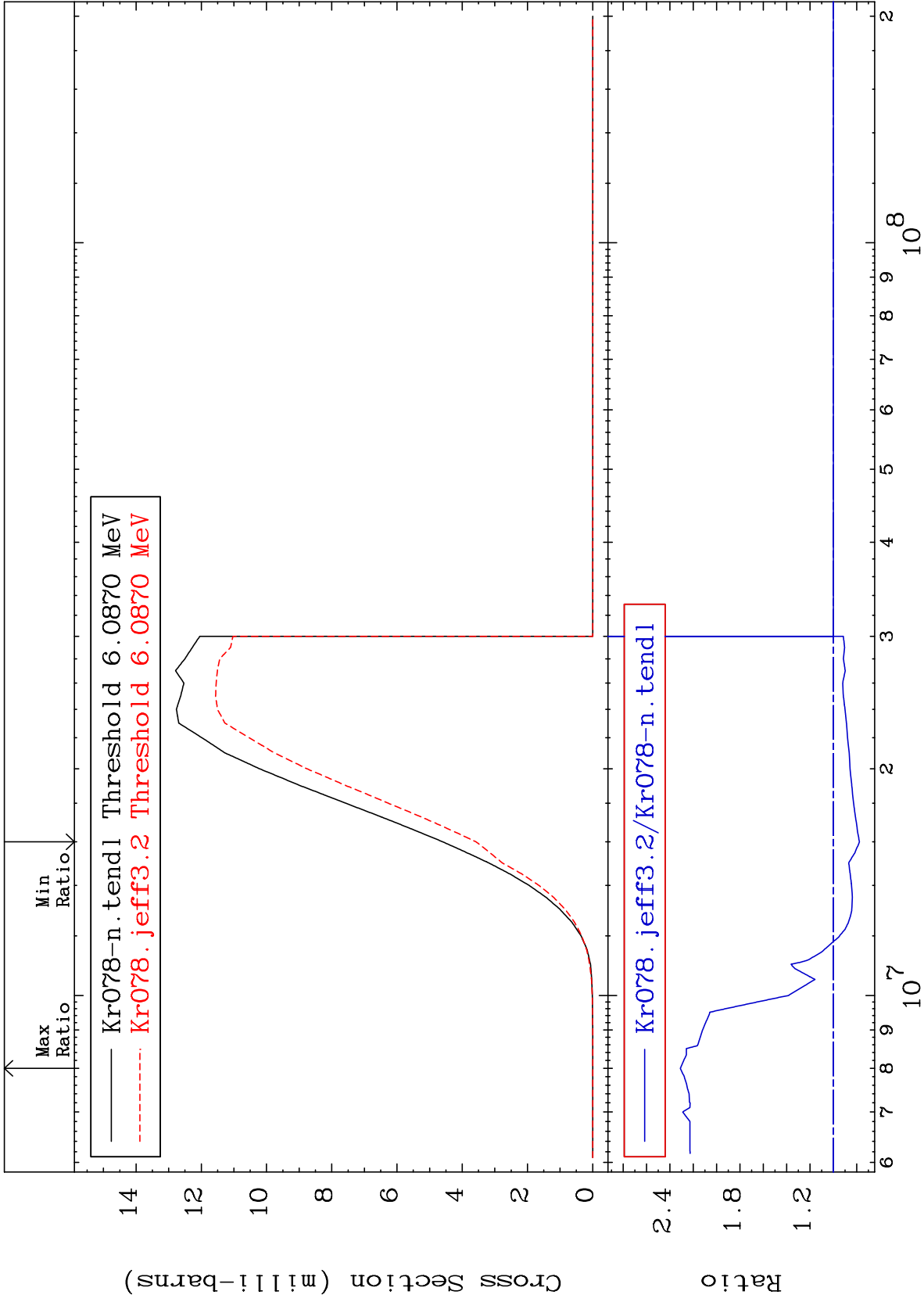
85

Incident Energy (eV)

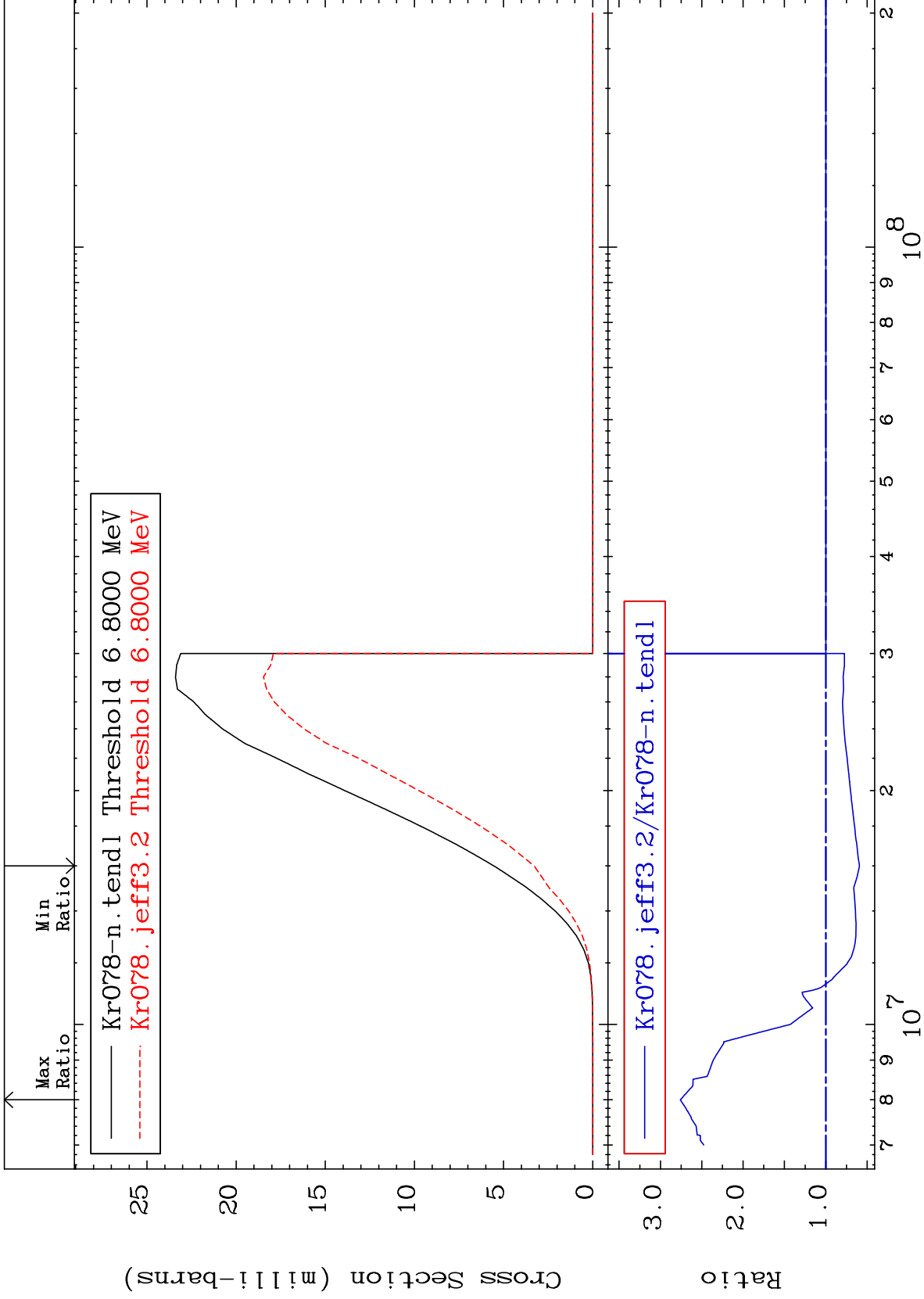
36-Kr-78

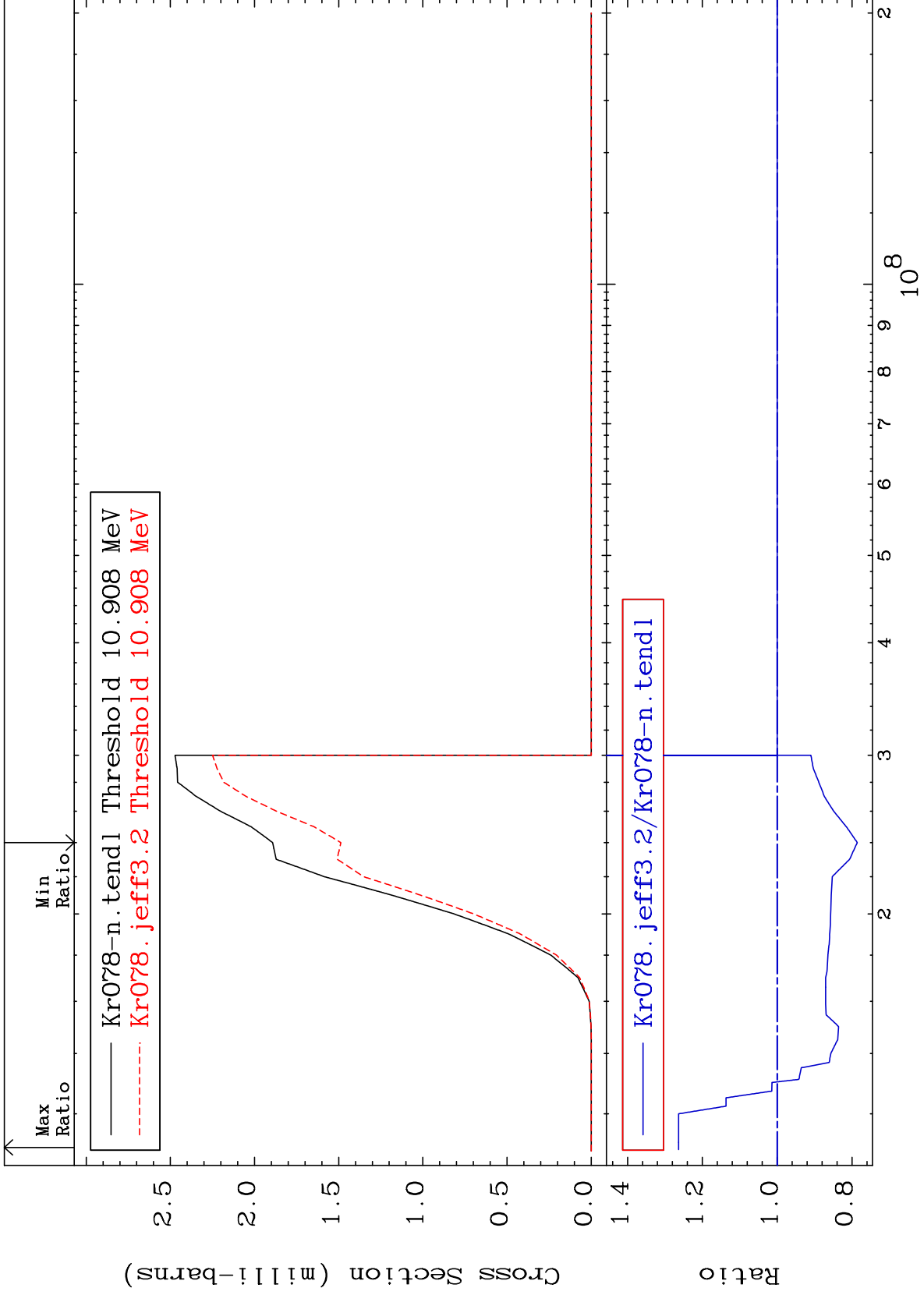
Radionuclide Production Cross Section 0.000 To 151.9 %





Radionuclide Production Cross Section -40.67 To 175.9 %



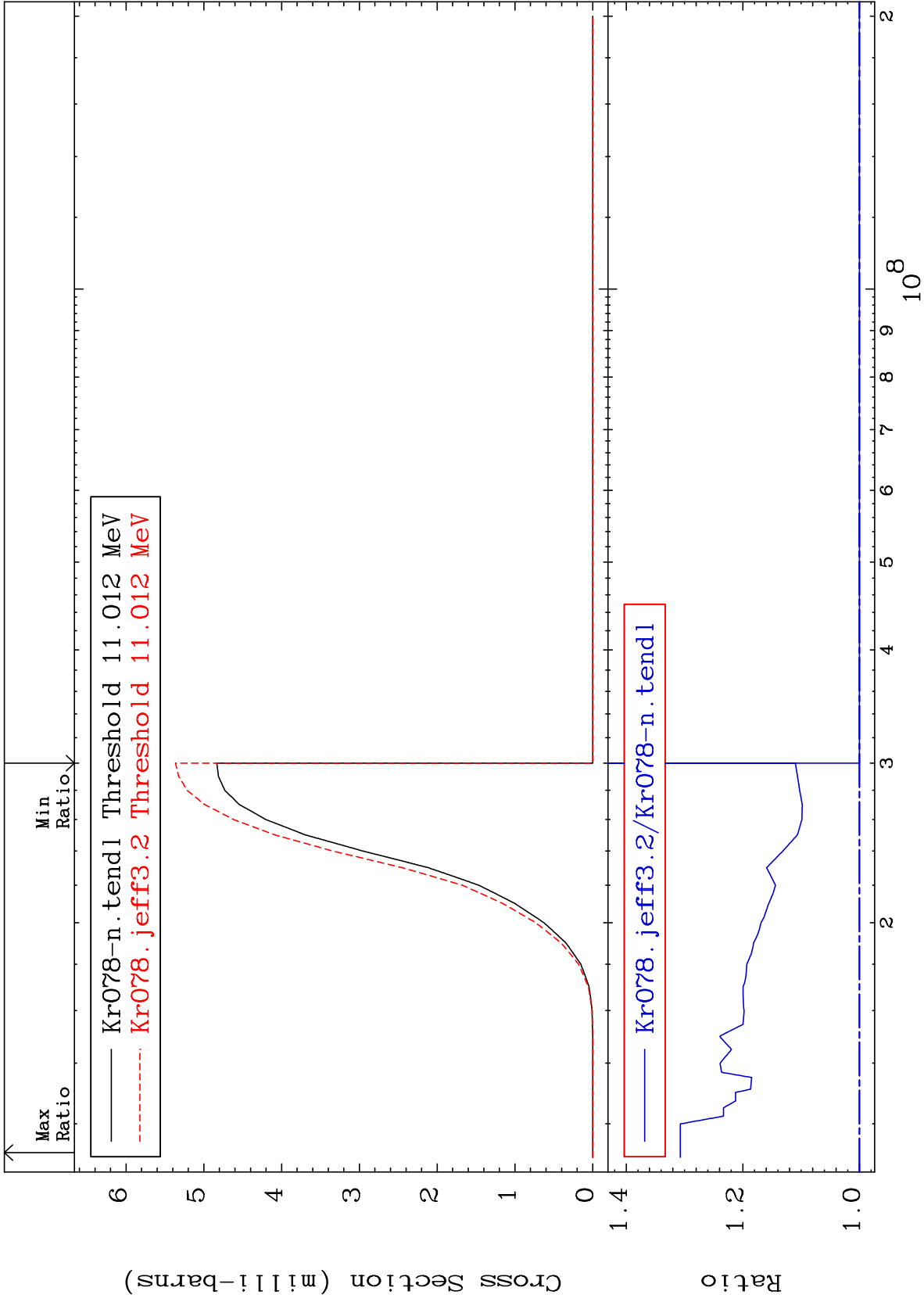


MAT 3625

(n, t) : 35-Br-76m2

36-Kr-78

Radionuclide Production Cross Section 0.000 To 30.72 %



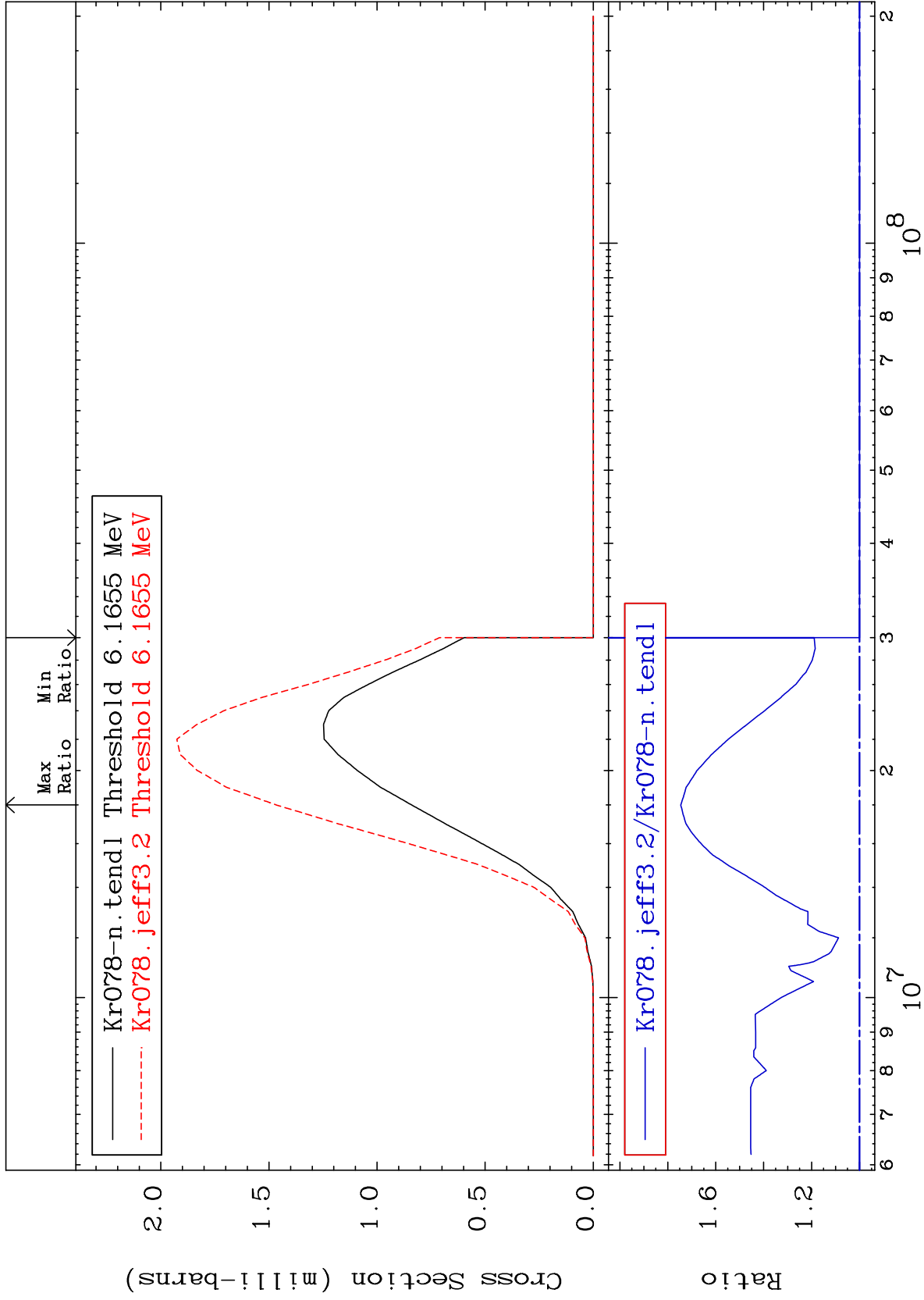
90

36-Kr-78

36-Kr-78

MAT 3625

(n,2p):34-Se-77g 36-Kr-78
Radionuclide Production Cross Section 0.000 To 74.58 %



91

Incident Energy (eV)

36-Kr-78

MAT 3625

(n,2p):34-Se-77m1

36-Kr-78

Radionuclide Production Cross Section 0.000 To 63.87 %

