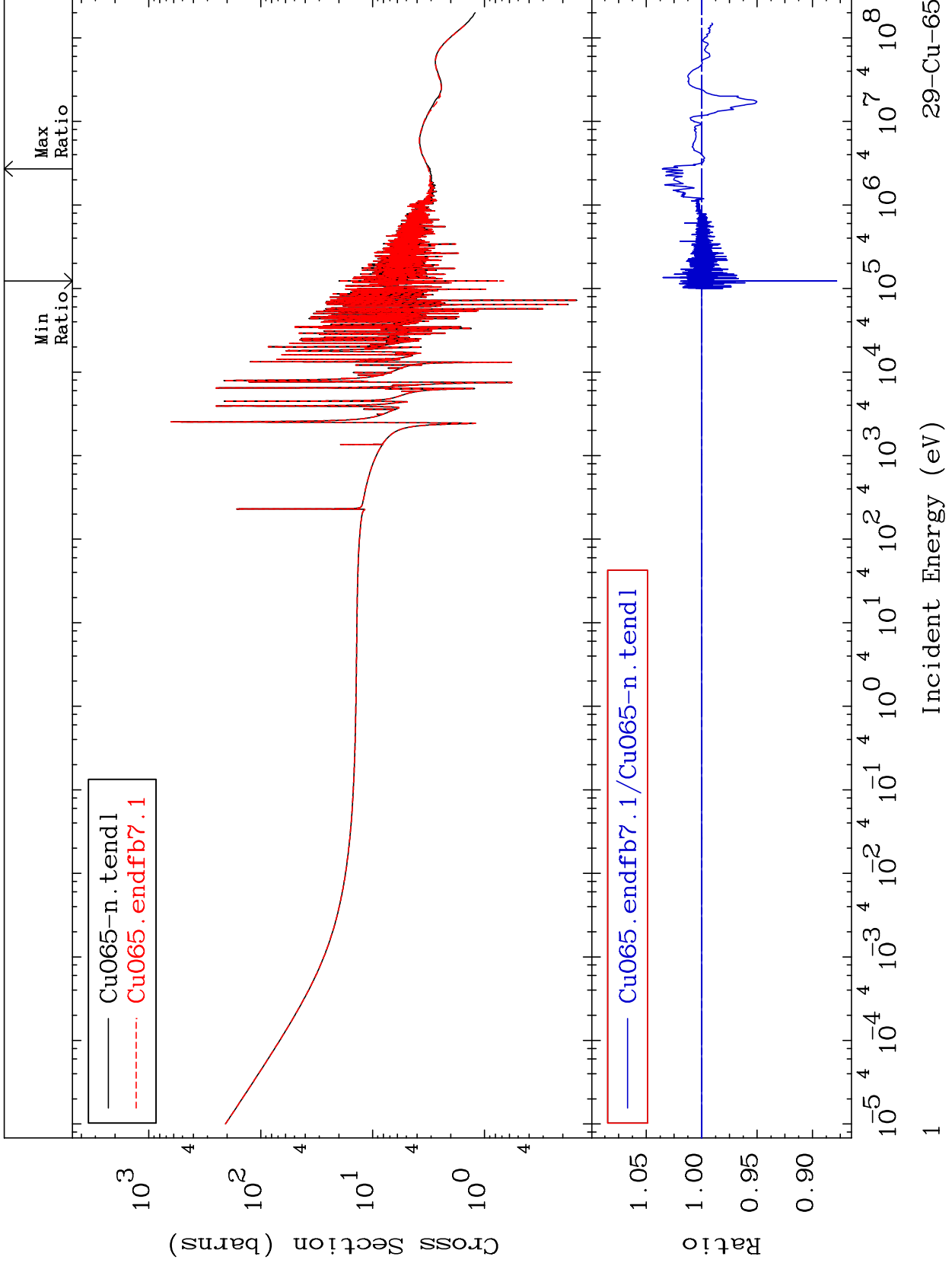


MAT 2931

Total
Cross Section

29-Cu-65
-12.18 To 3.558 %

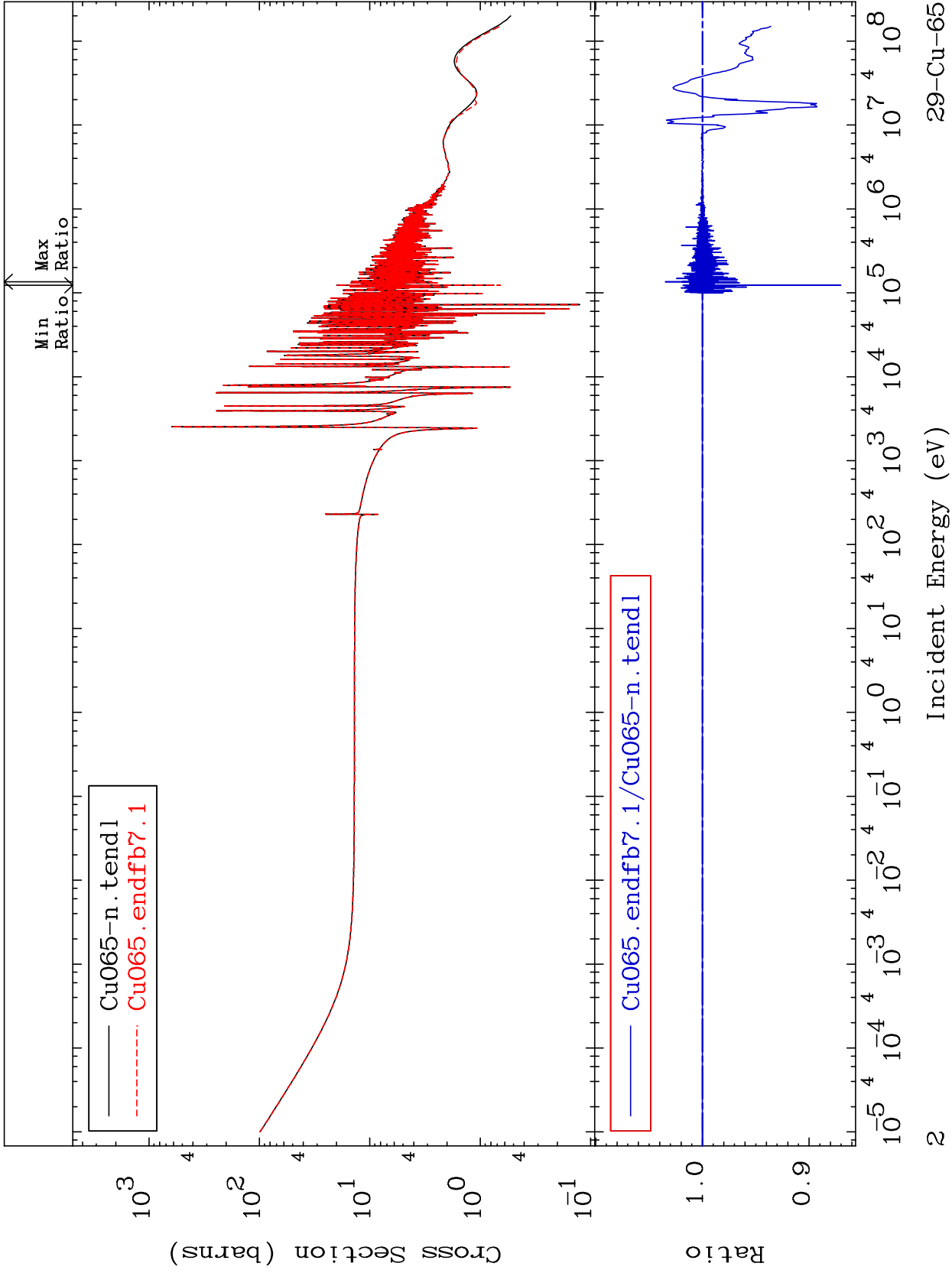


29-Cu-65

MAT 2931

Elastic
Cross Section

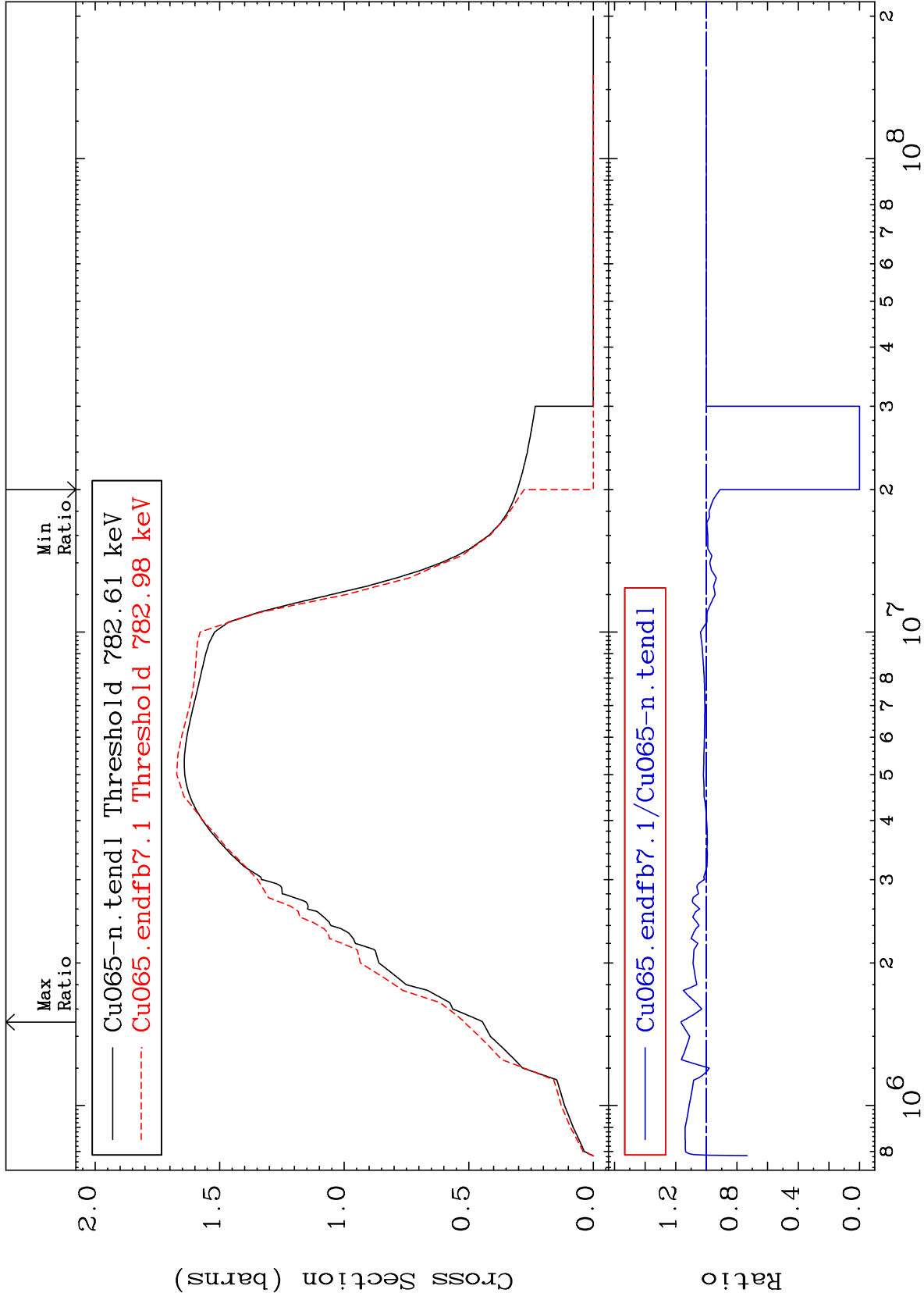
29-Cu-65
-12.95 To 3.459 %



29-Cu-65

Incident Energy (eV)

MAT 2931 Inelastic Cross Section 29-Cu-65 -100.0 To 16.70 %

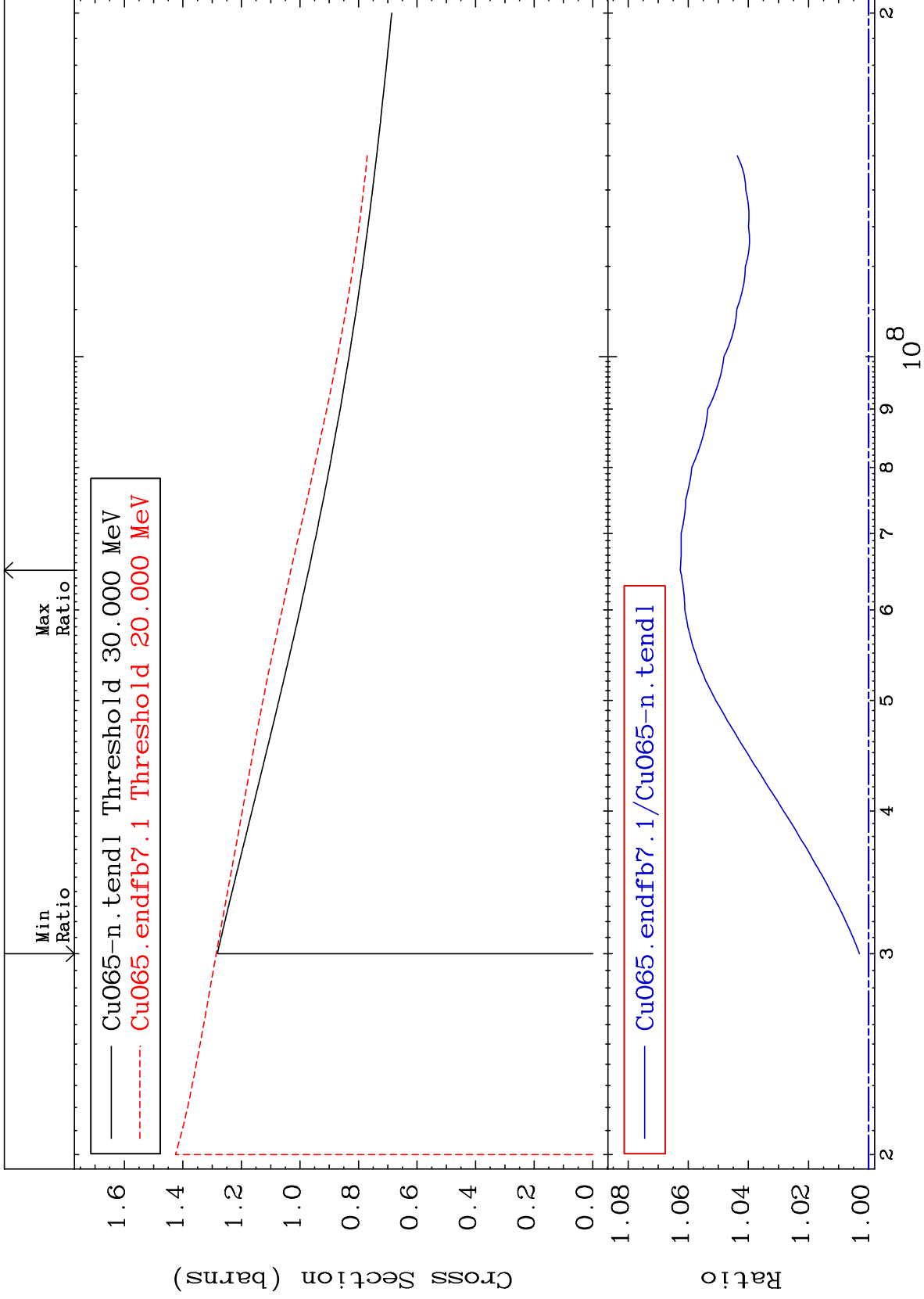


3

MAT 2931

(n, remainder)
Cross Section

29-Cu-65
0.305 To 6.263 %



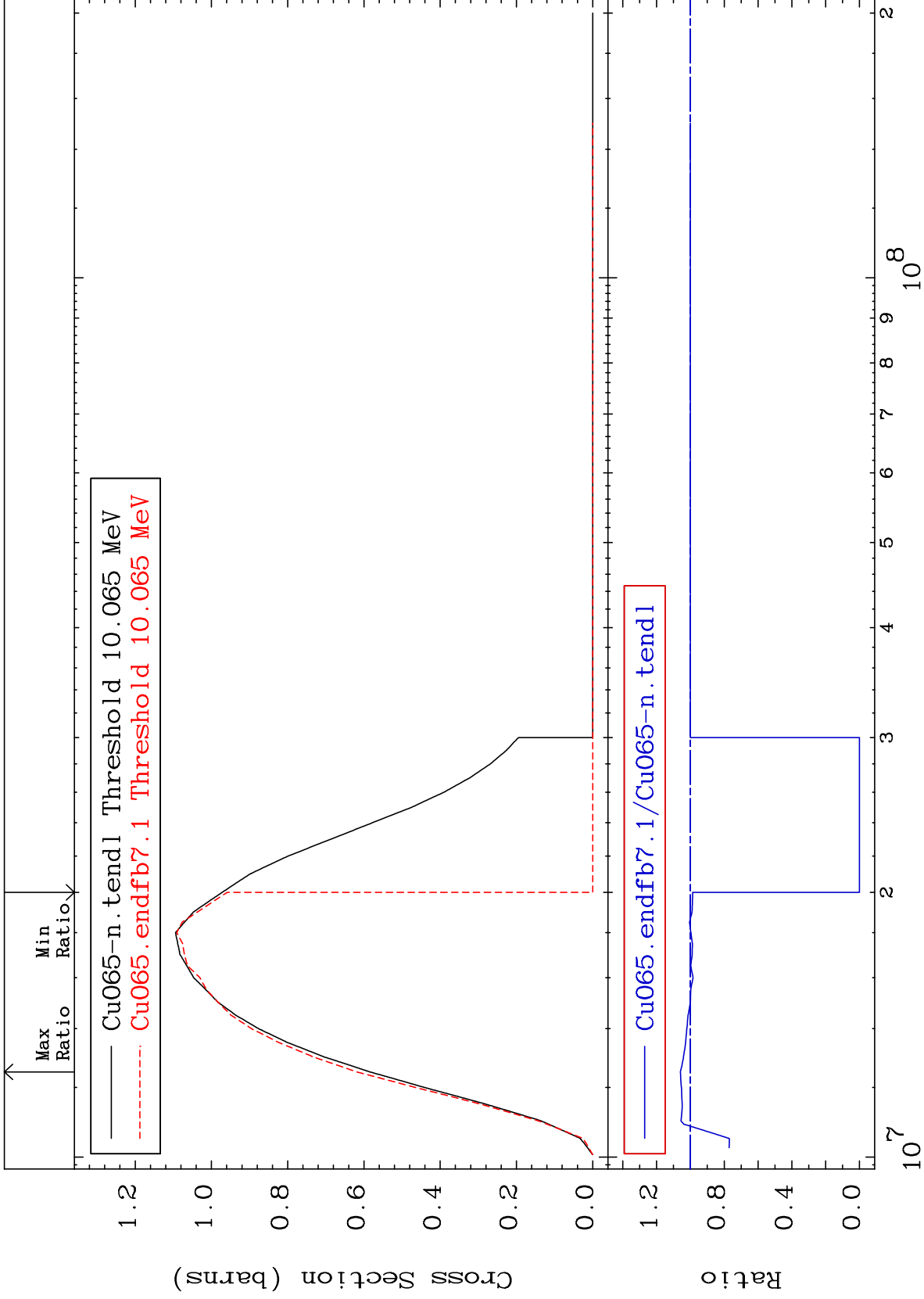
MAT 2931

(n,2n)

²⁹Cu-65

Cross Section

-100.0 To 5.945 %



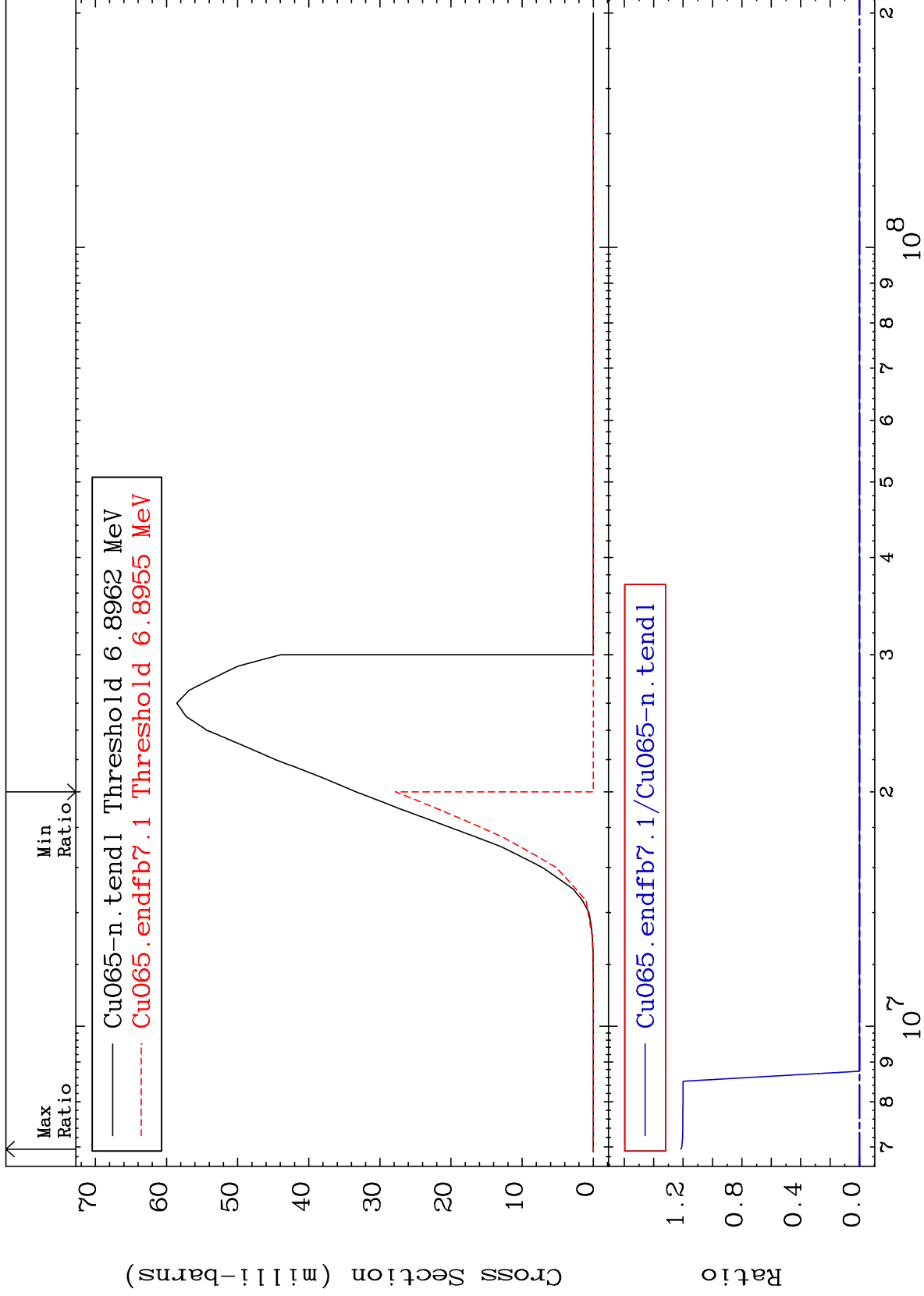
29-Cu-65

5

MAT 2931

(n, n') α
Cross Section

29-Cu-65
-100.0 To 9999. %



6

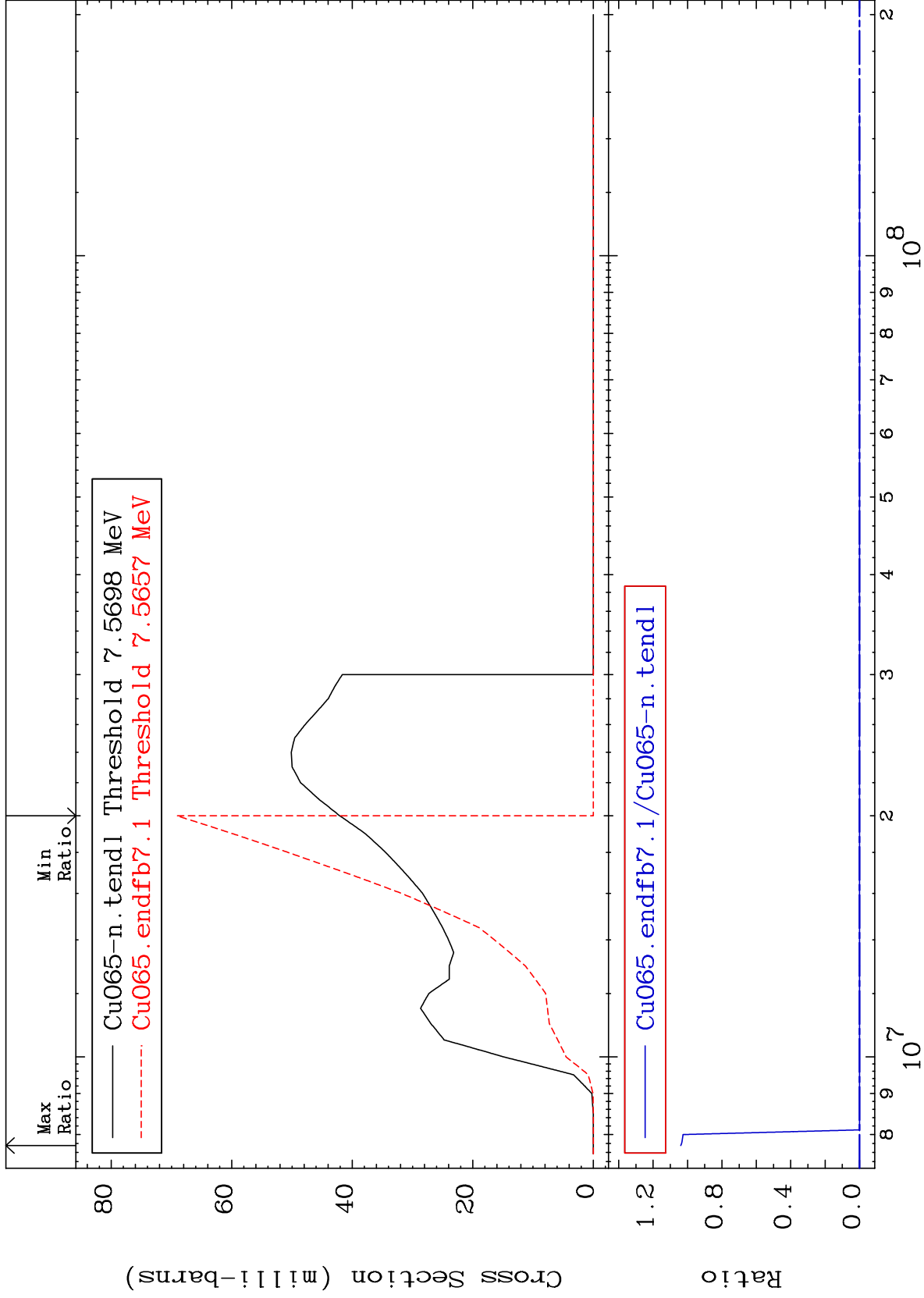
Incident Energy (eV)

29-Cu-65

MAT 2931

(n,n') p
Cross Section

29-Cu-65
-100.0 To 9999. %



7

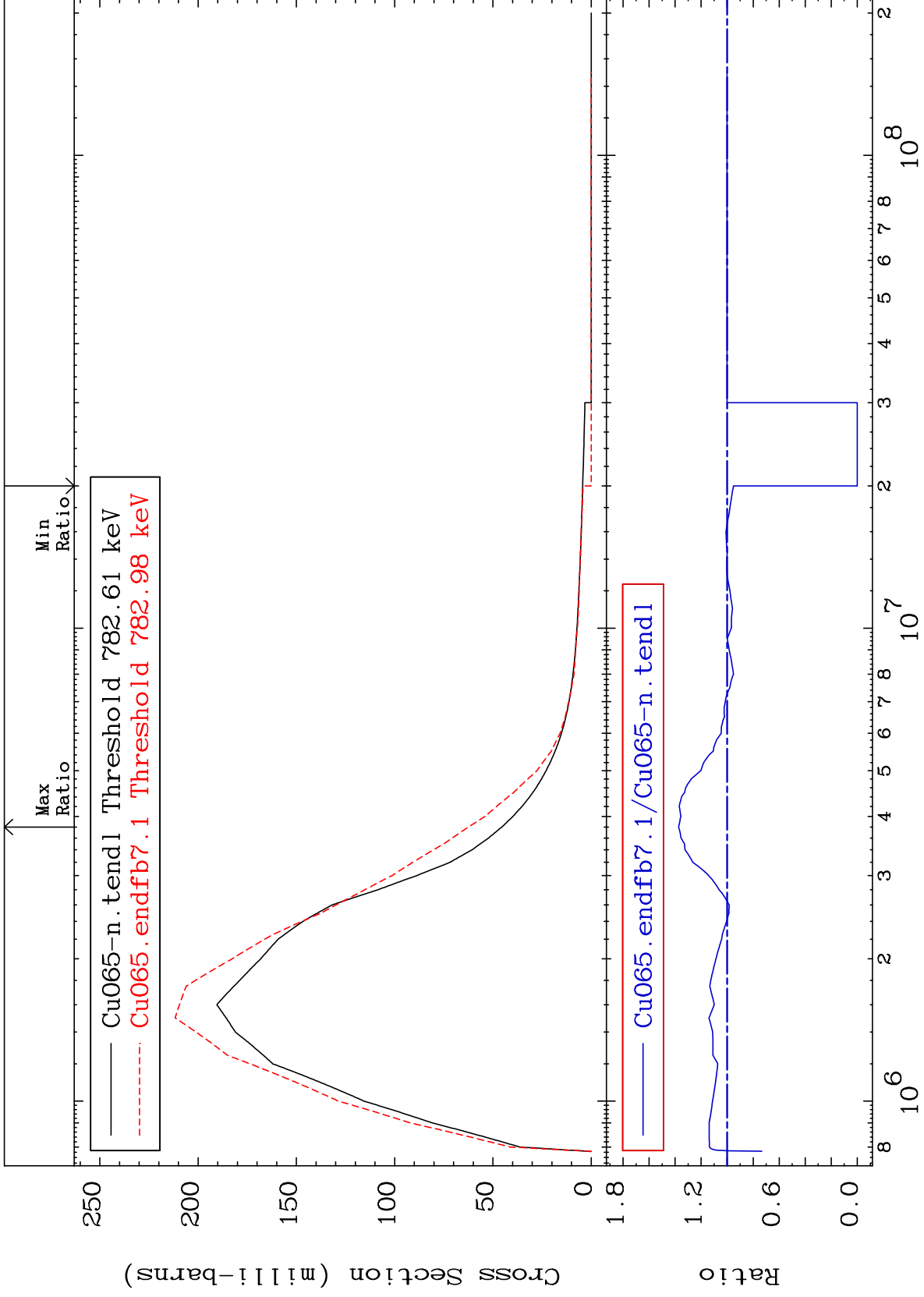
Incident Energy (eV)

29-Cu-65

MAT 2931

770.6 keV (n,n') Level
Cross Section

29-Cu-65
-100.0 To 37.29 %



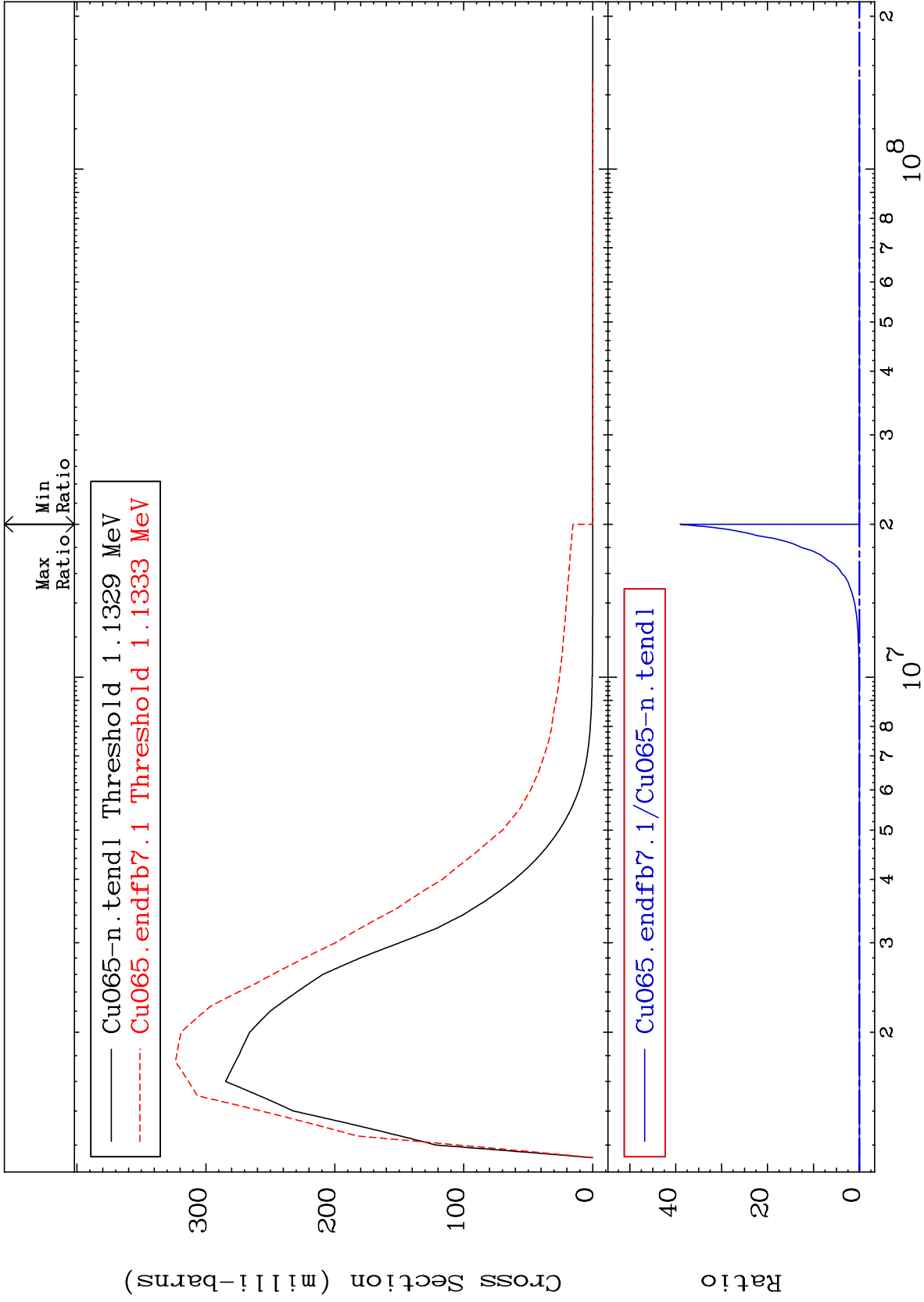
Incident Energy (eV)

29-Cu-65

MAT 2931

1.116 MeV (n,n') Level
Cross Section

29-Cu-65
-100.0 To 9999. %

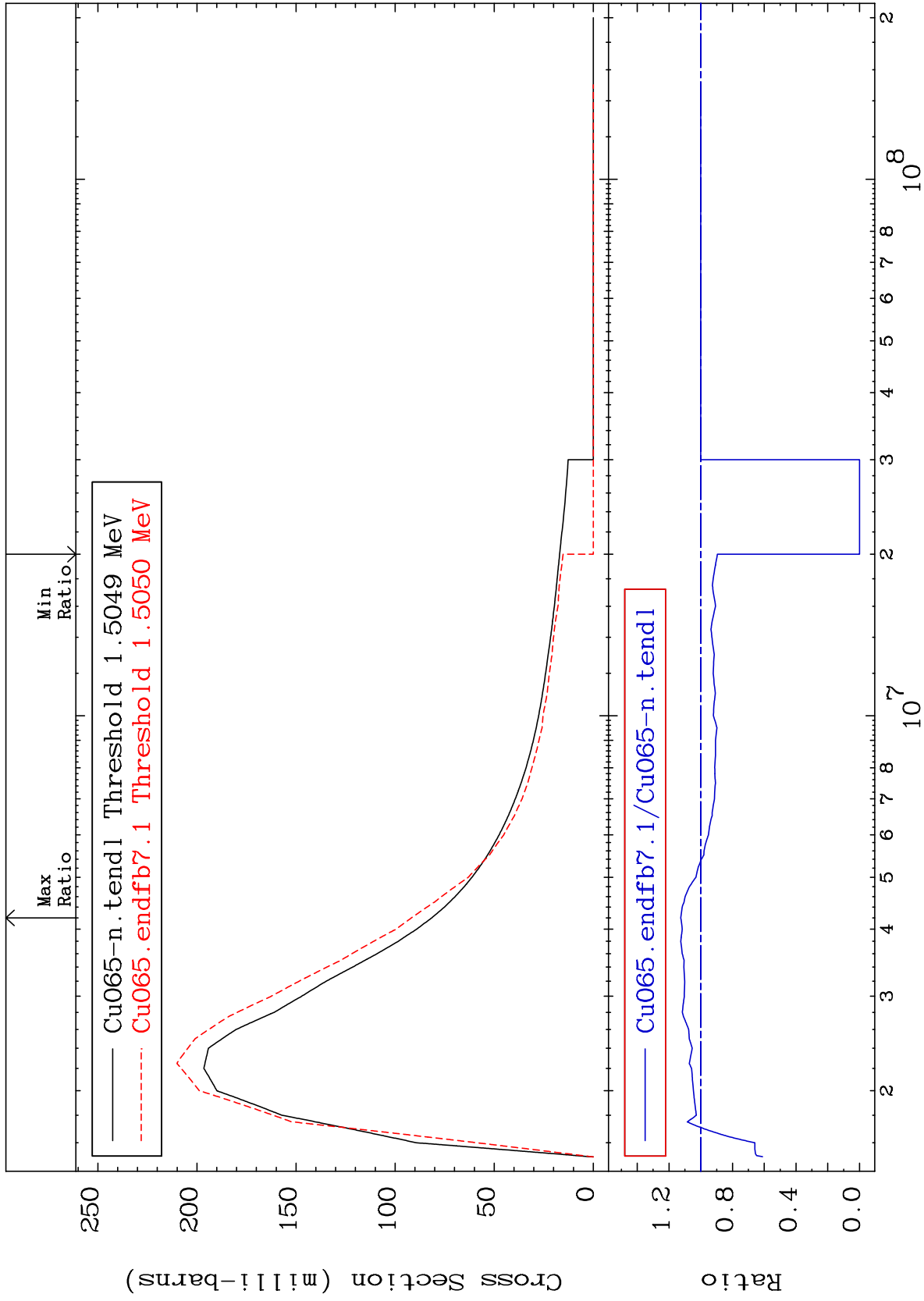


MAT 2931

1.482 MeV (n,n') Level

29-Cu-65

-100.0 To 12.60 %

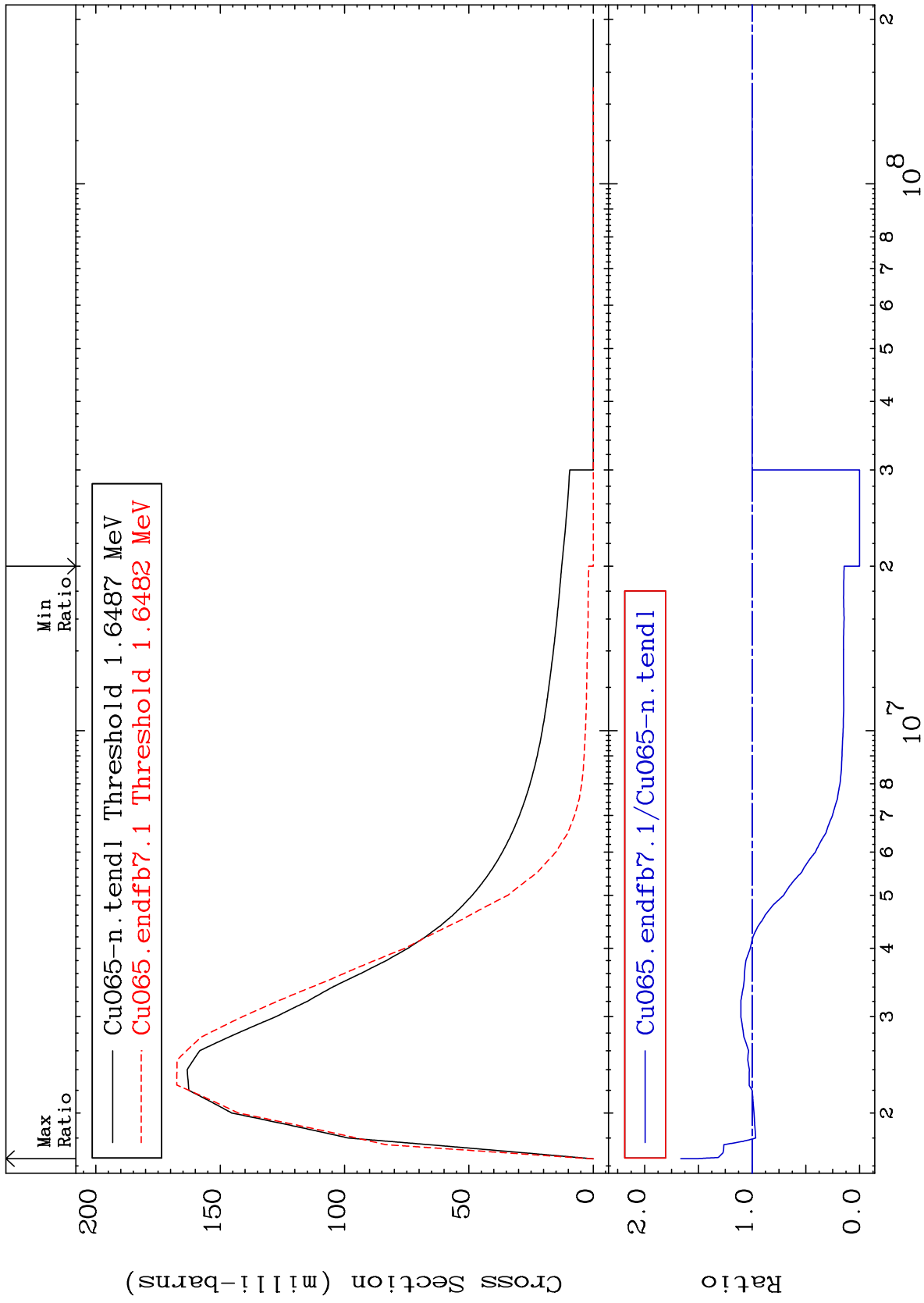


10

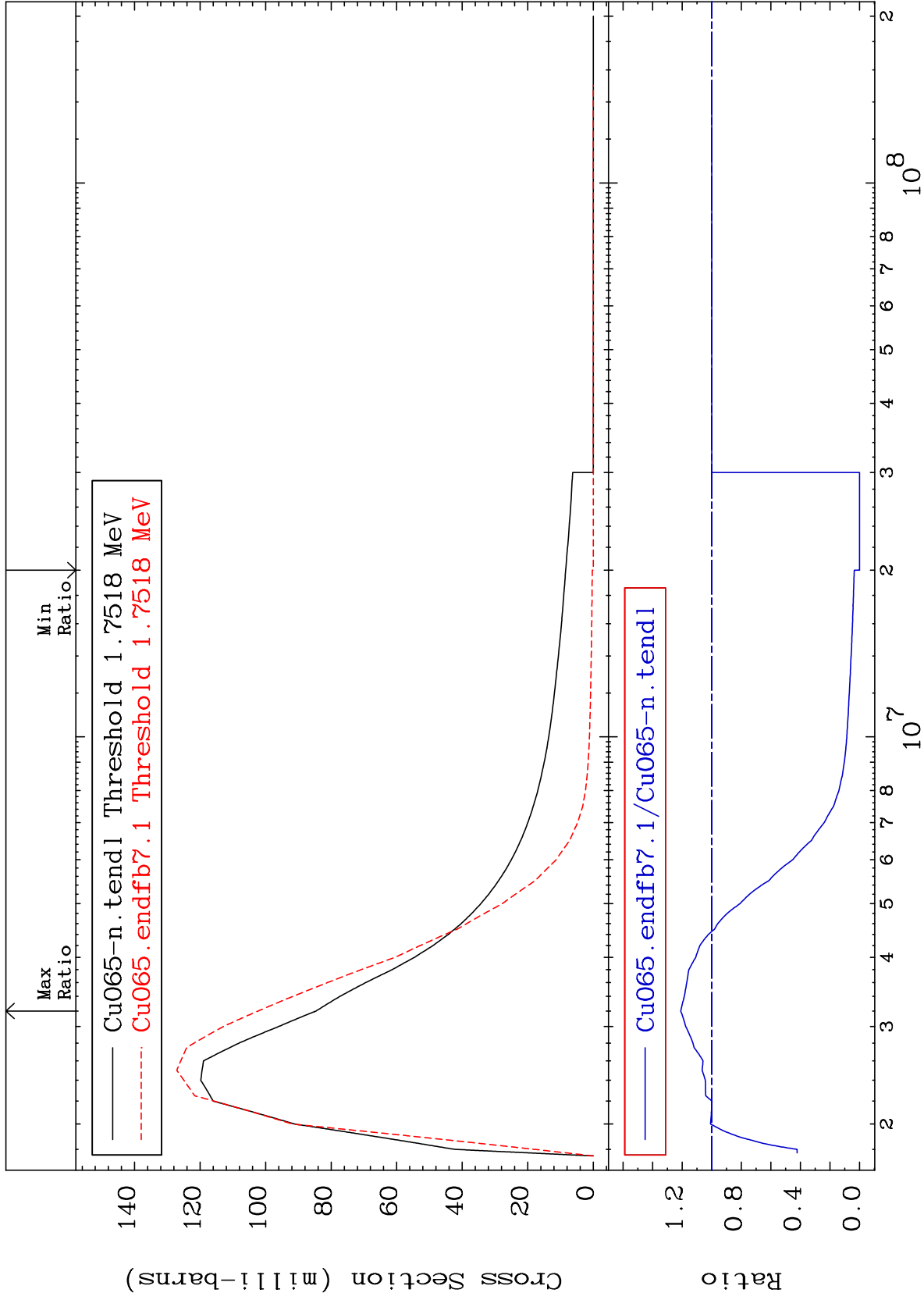
Incident Energy (eV)

29-Cu-65

MAT 2931 1.623 MeV (n,n') Level 29-Cu-65
 Cross Section -100.0 To 66.36 %



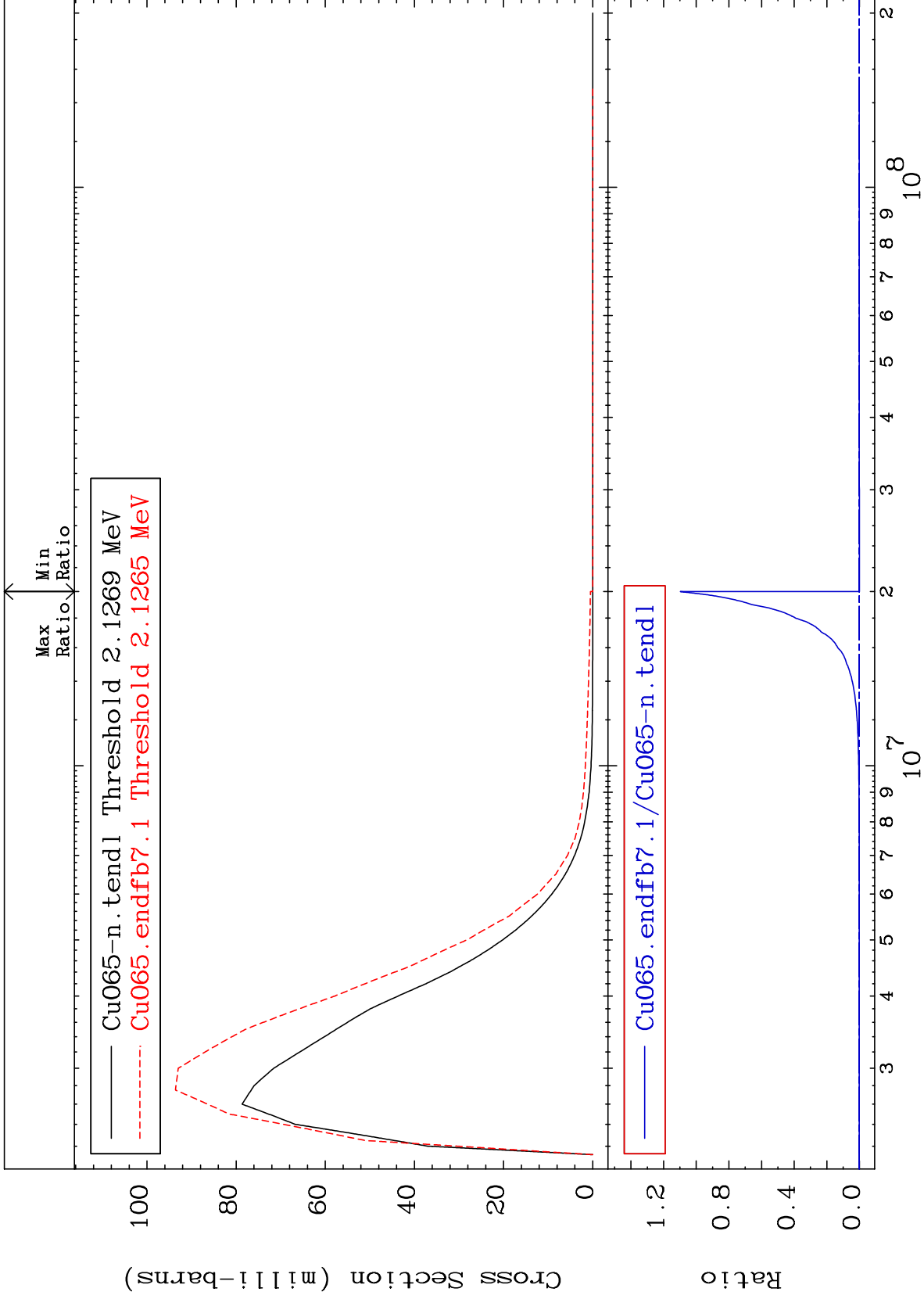
MAT 2931 1.725 MeV (n,n') Level 29-Cu-65
 Cross Section -100.0 To 20.91 %



MAT 2931

2.094 MeV (n,n') Level
Cross Section

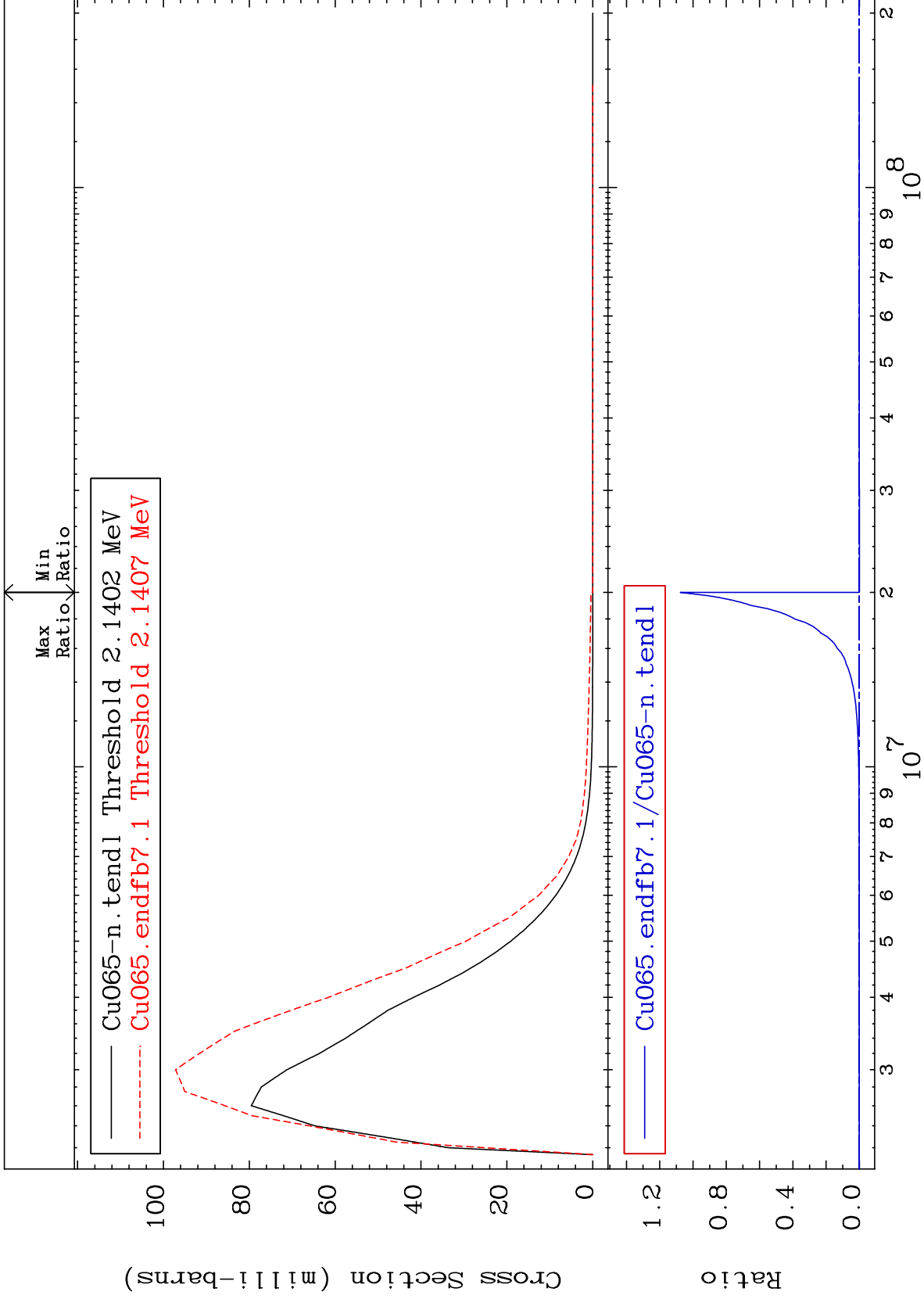
29-Cu-65
-100.0 To 9999. %



MAT 2931

2.107 MeV (n,n') Level
Cross Section

29-Cu-65
-100.0 To 9999. %



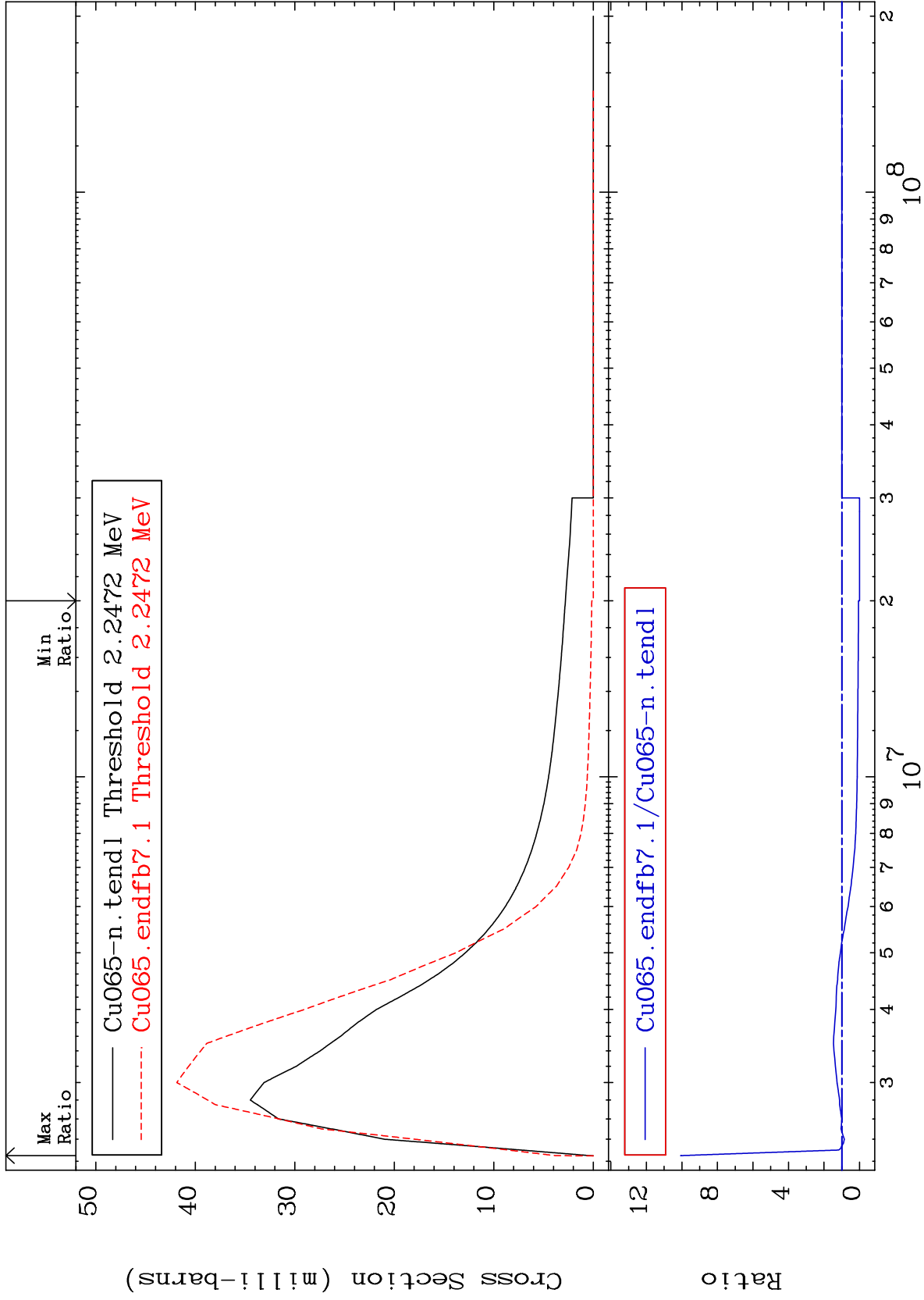
MAT 2931

2.213 MeV (n,n') Level

²⁹Cu-65

-100.0 To 906.4 %

Cross Section

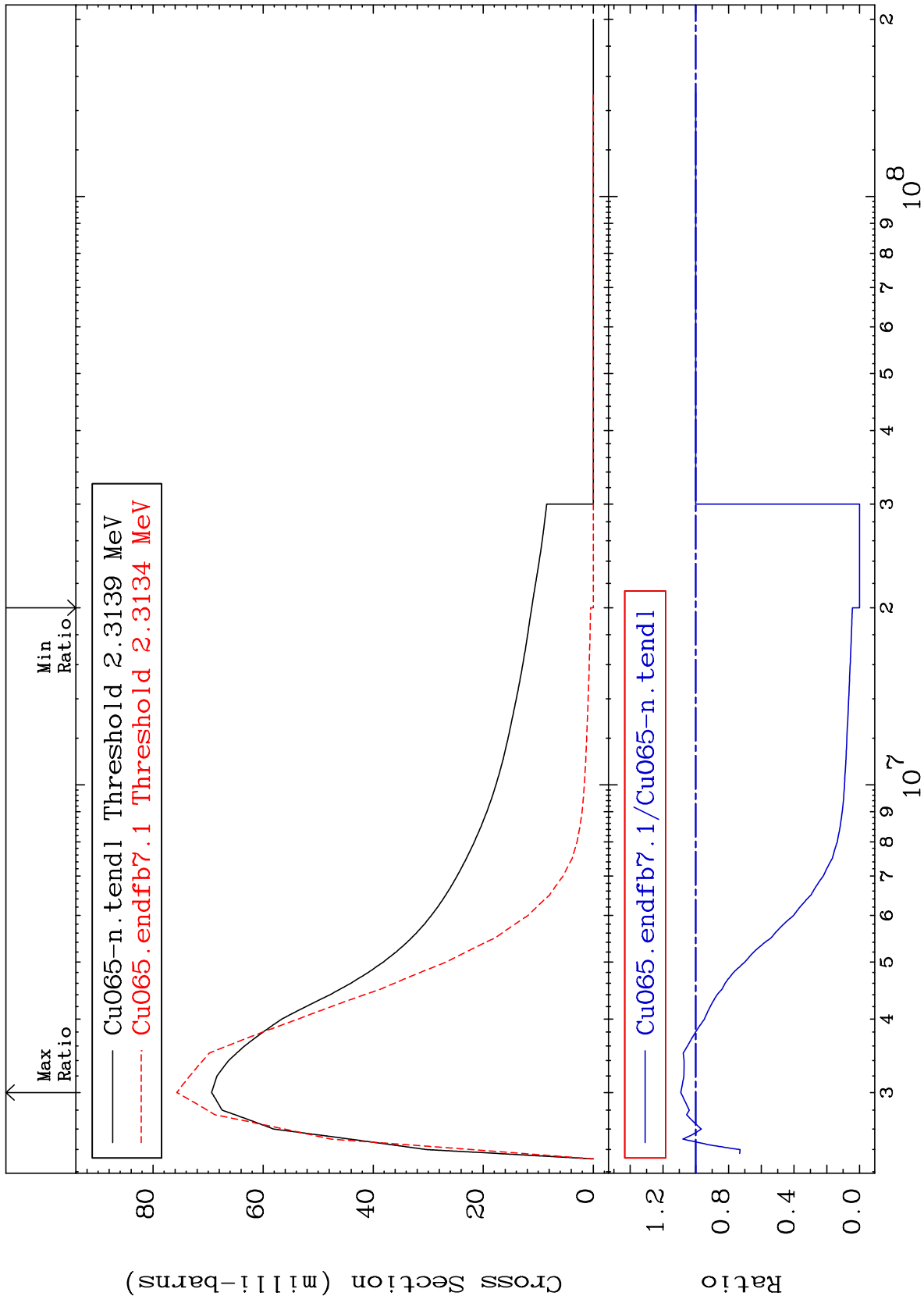


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Incident Energy (eV)

²⁹Cu-65

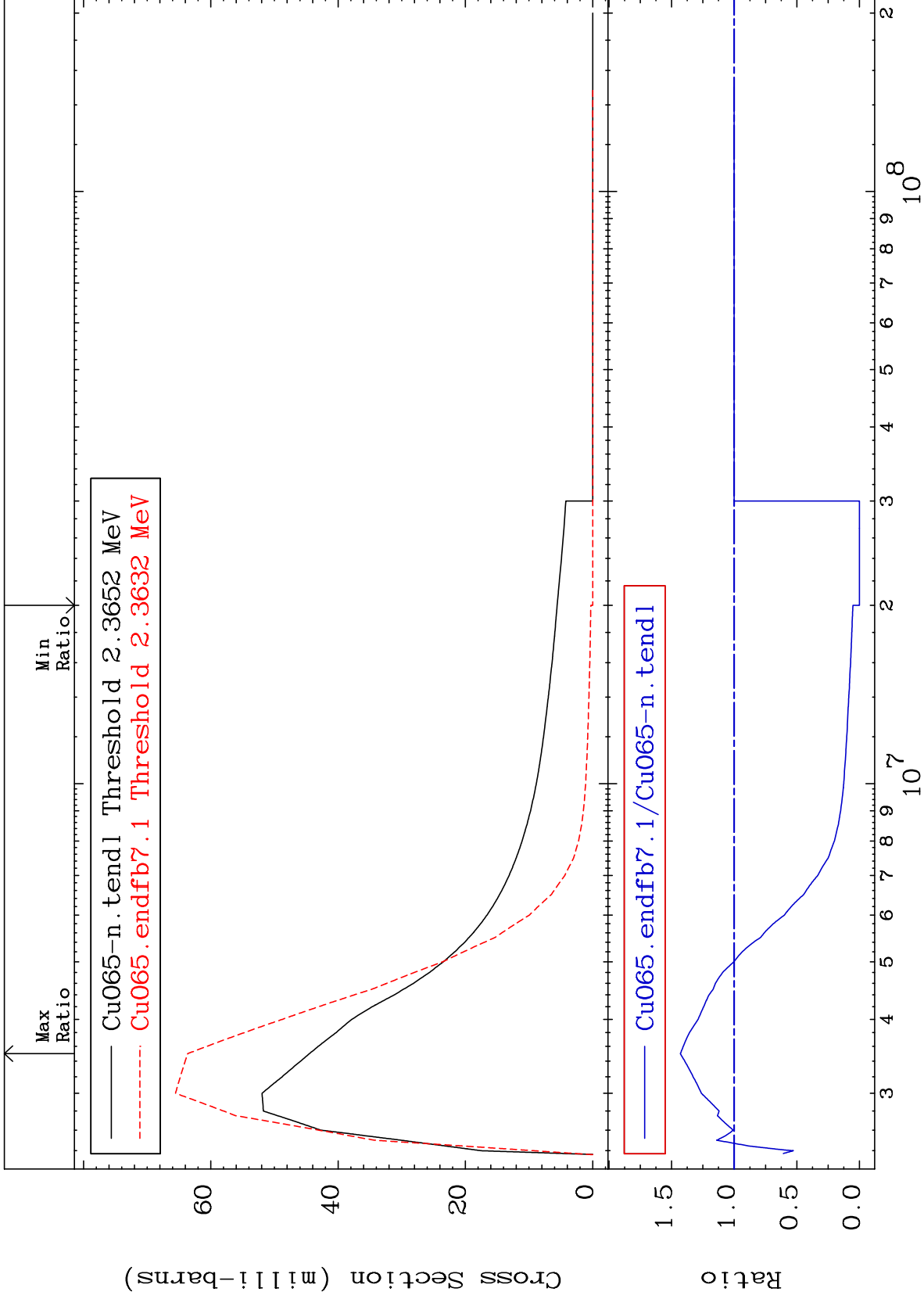
MAT 2931 2.278 MeV (n,n') Level 29-Cu-65
 Cross Section -100.0 To 9.141 %



MAT 2931

2.329 MeV (n,n') Level
Cross Section

29-Cu-65
-100.0 To 43.00 %



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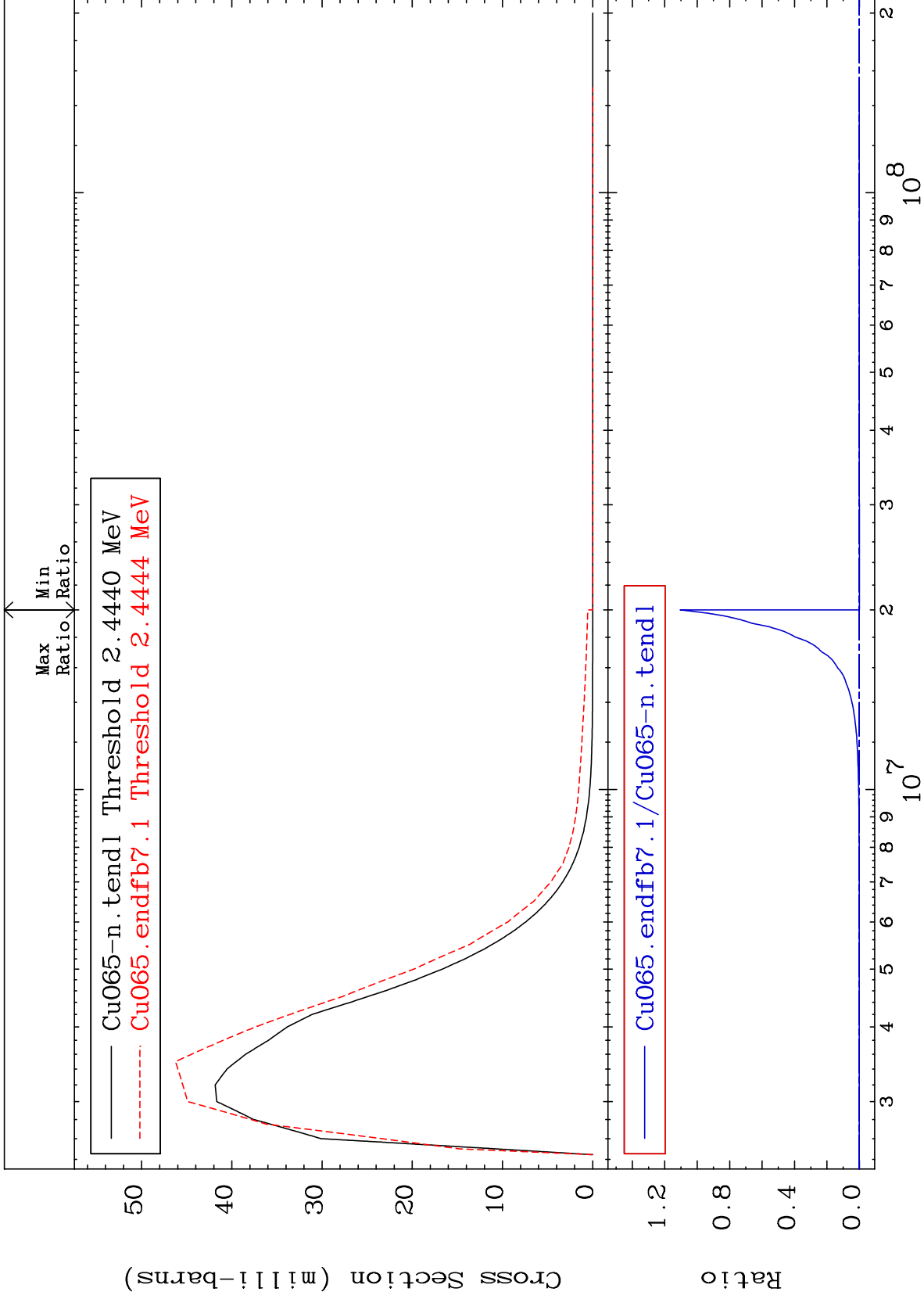
Incident Energy (eV)

29-Cu-65

MAT 2931

2.407 MeV (n,n') Level
Cross Section

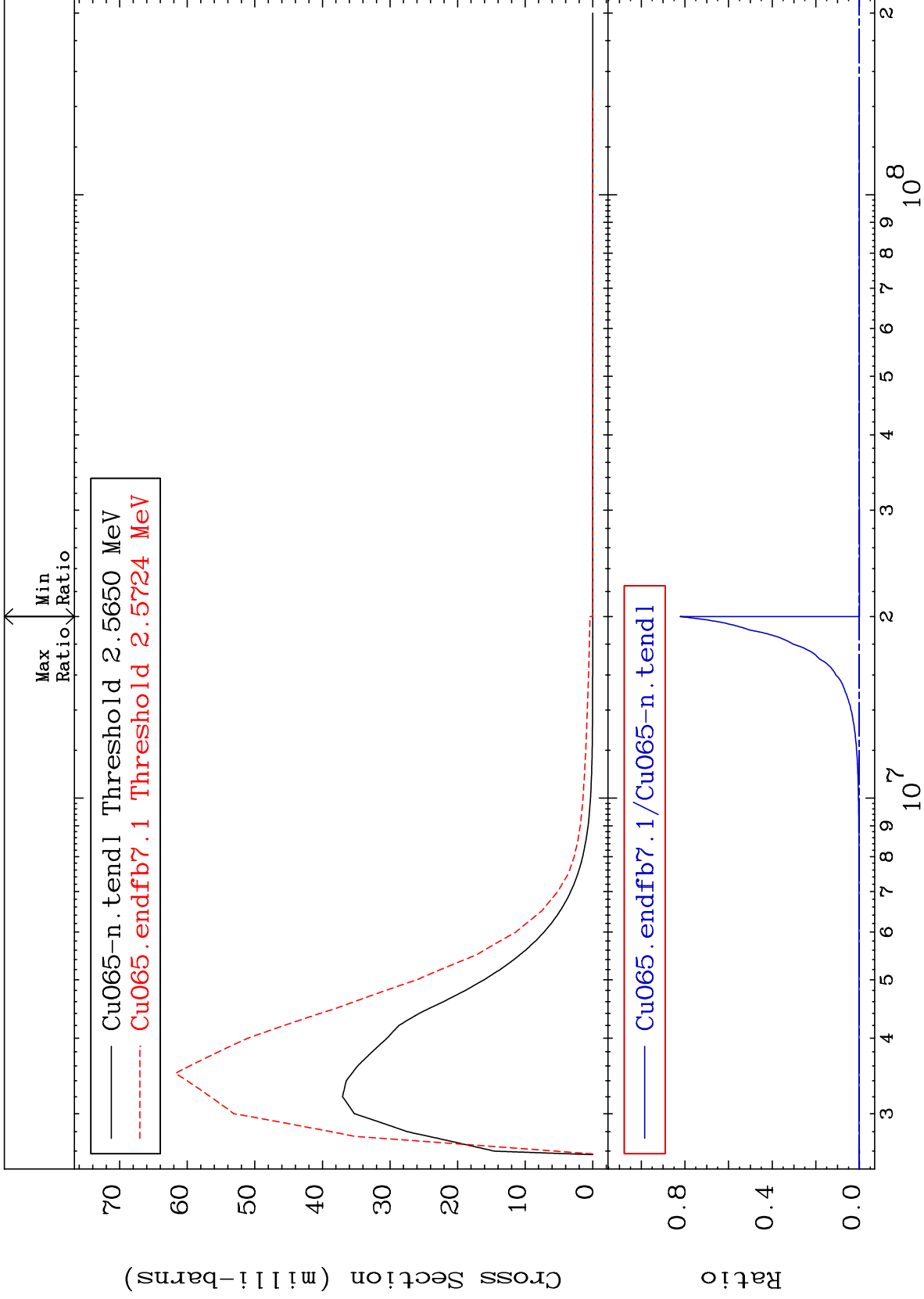
29-Cu-65
-100.0 To 9999. %



MAT 2931

2.526 MeV (n,n') Level
Cross Section

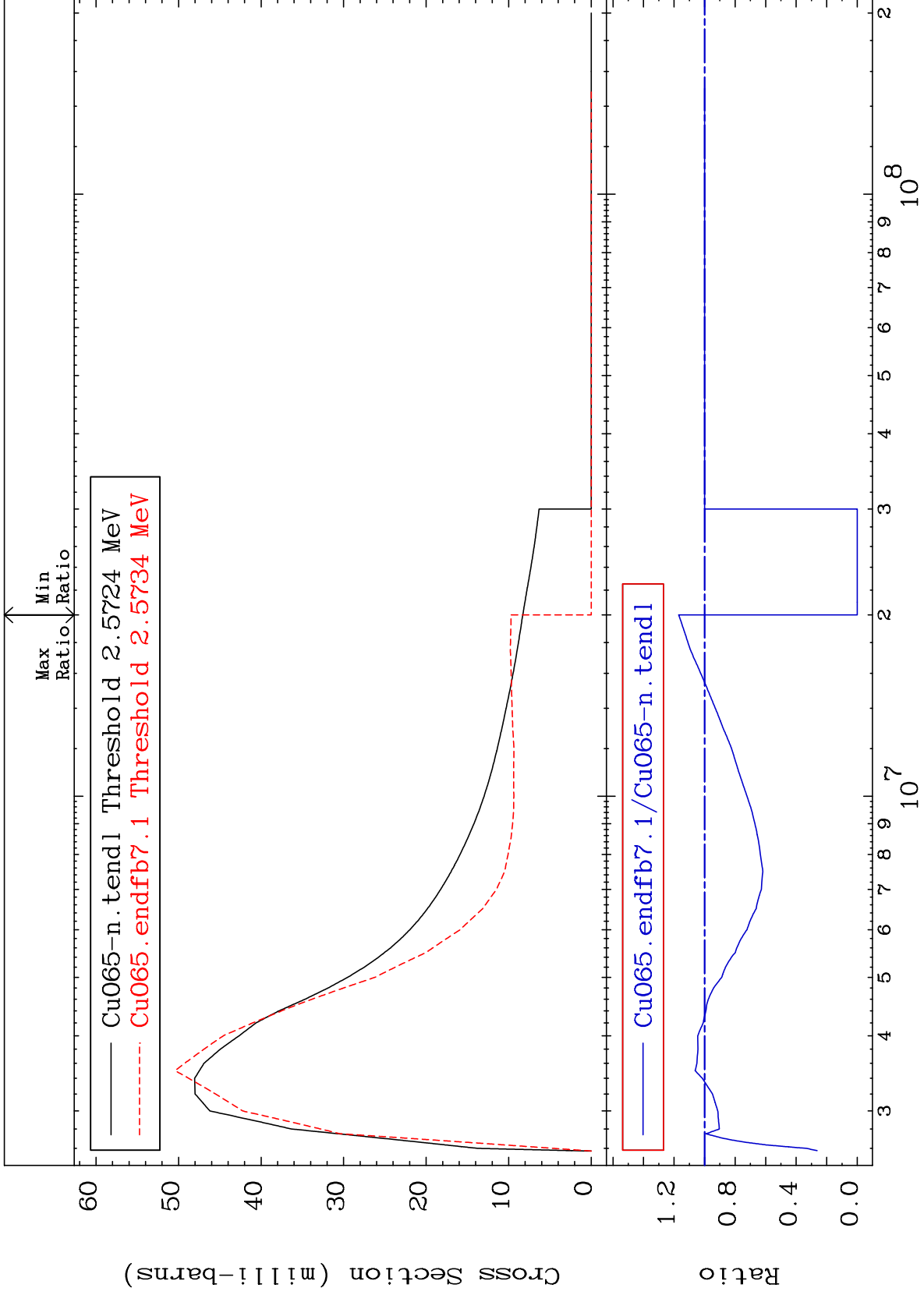
29-Cu-65
-100.0 To 9999. %



MAT 2931

2.533 MeV (n,n') Level
Cross Section

29-Cu-65
-100.0 To 17.01 %

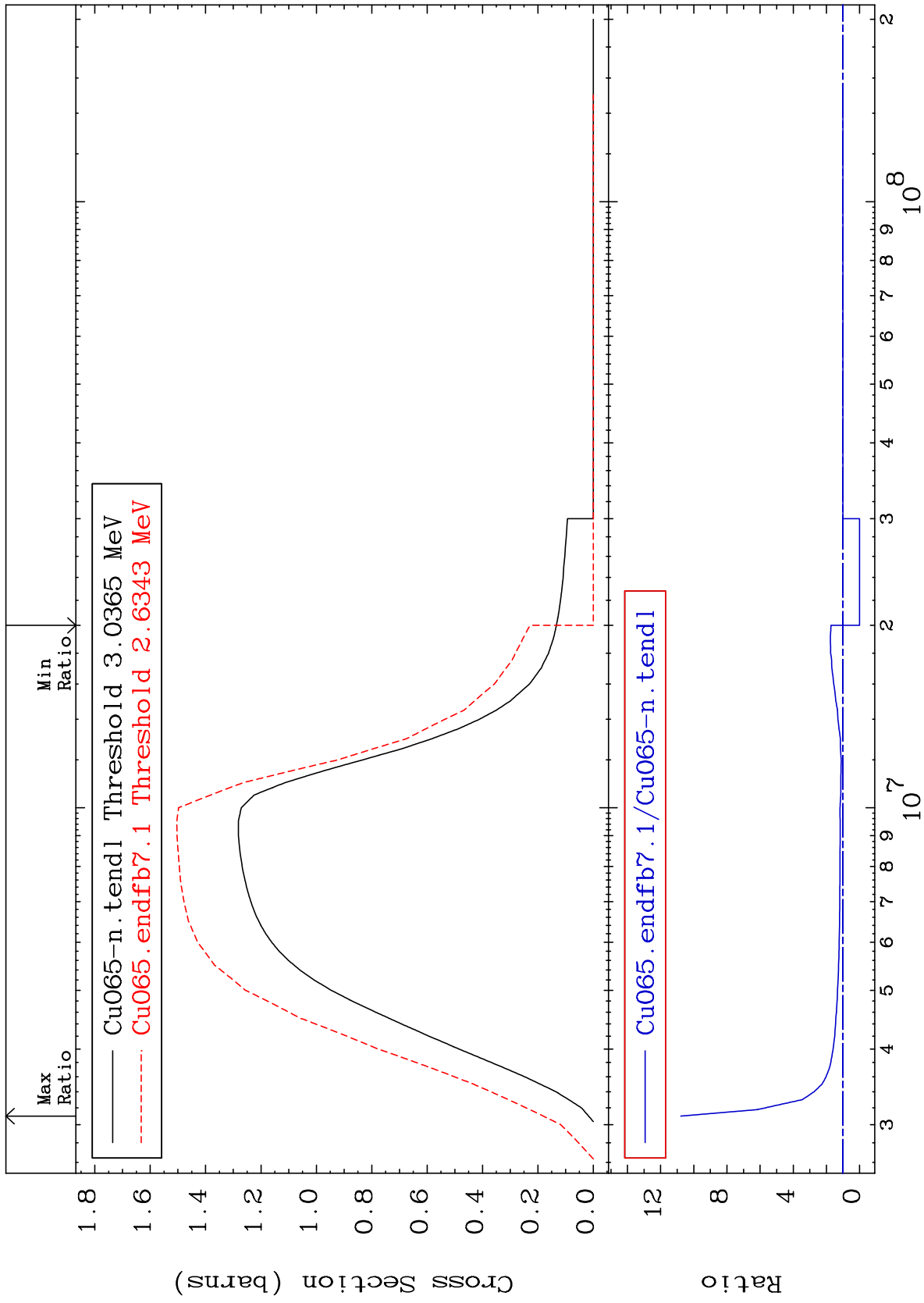


20

Incident Energy (eV)

29-Cu-65

MAT 2931 (n, n') Continuum Cross Section 29-Cu-65 -100.0 To 978.5 %



21 Incident Energy (eV) 29-Cu-65

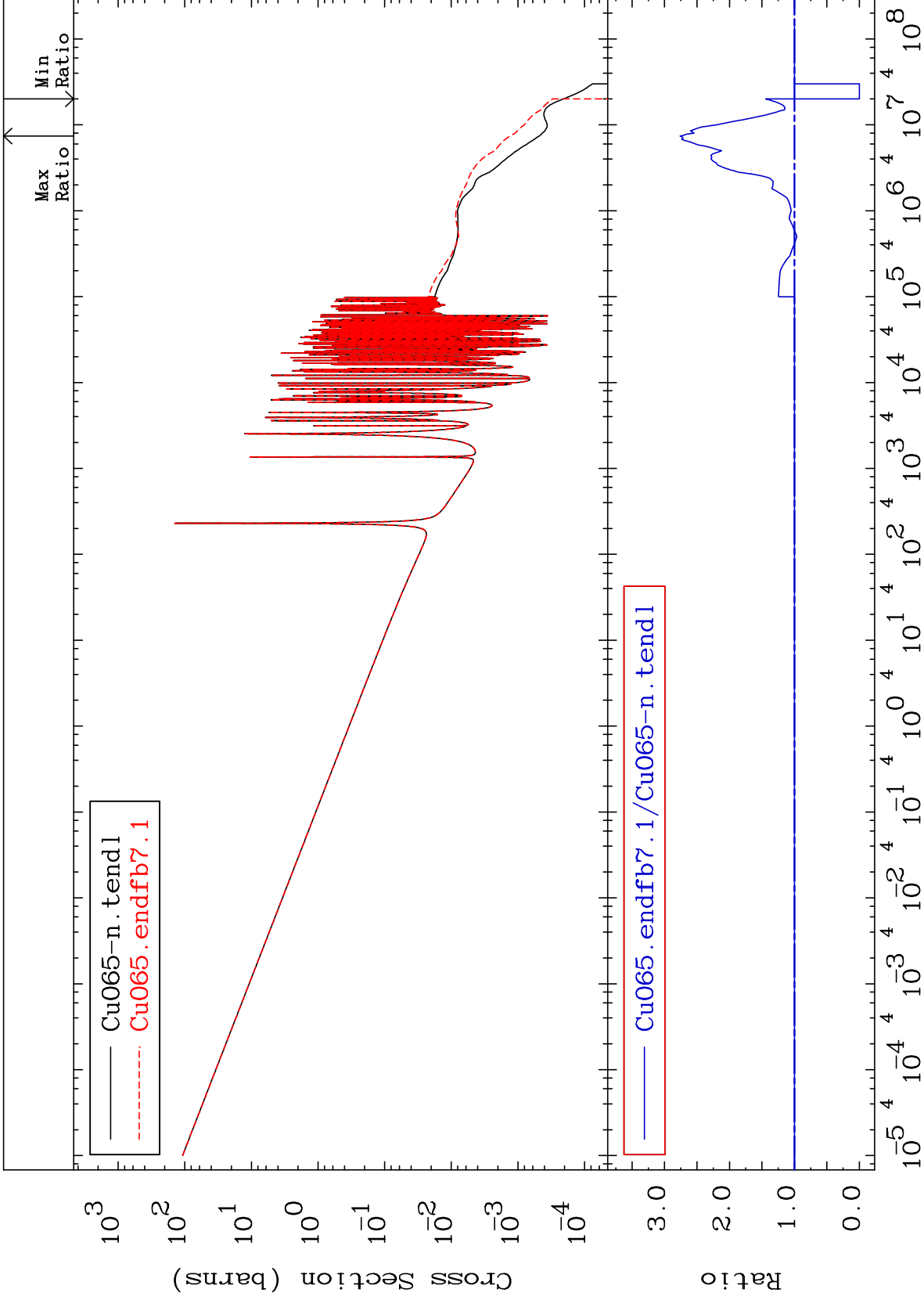
MAT 2931

(n, γ)

Cross Section

29-Cu-65

-100.0 To 176.0 %



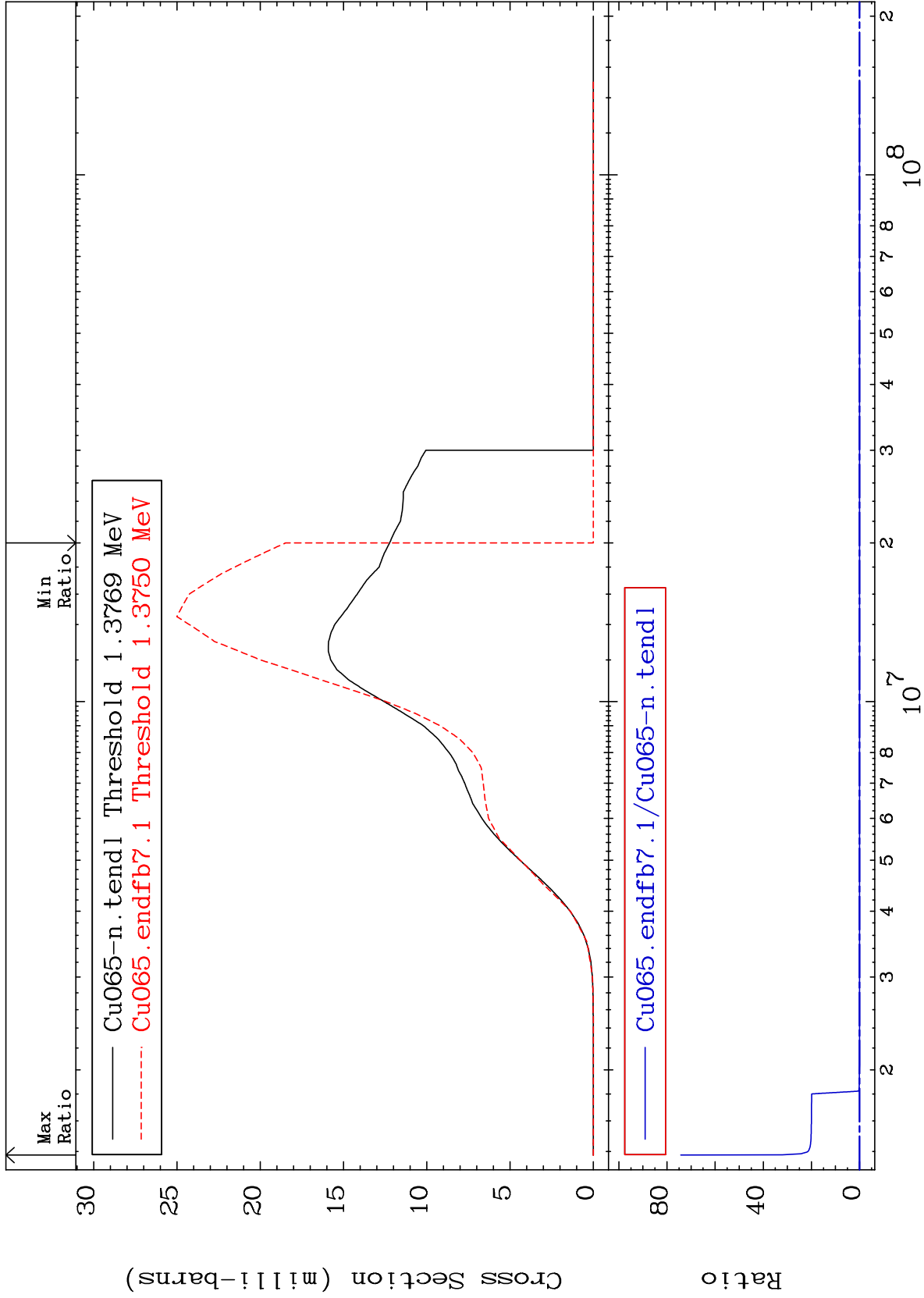
MAT 2931

(n,p)

²⁹Cu-65

Cross Section

-100.0 To 9999. %



23

Incident Energy (eV)

²⁹Cu-65

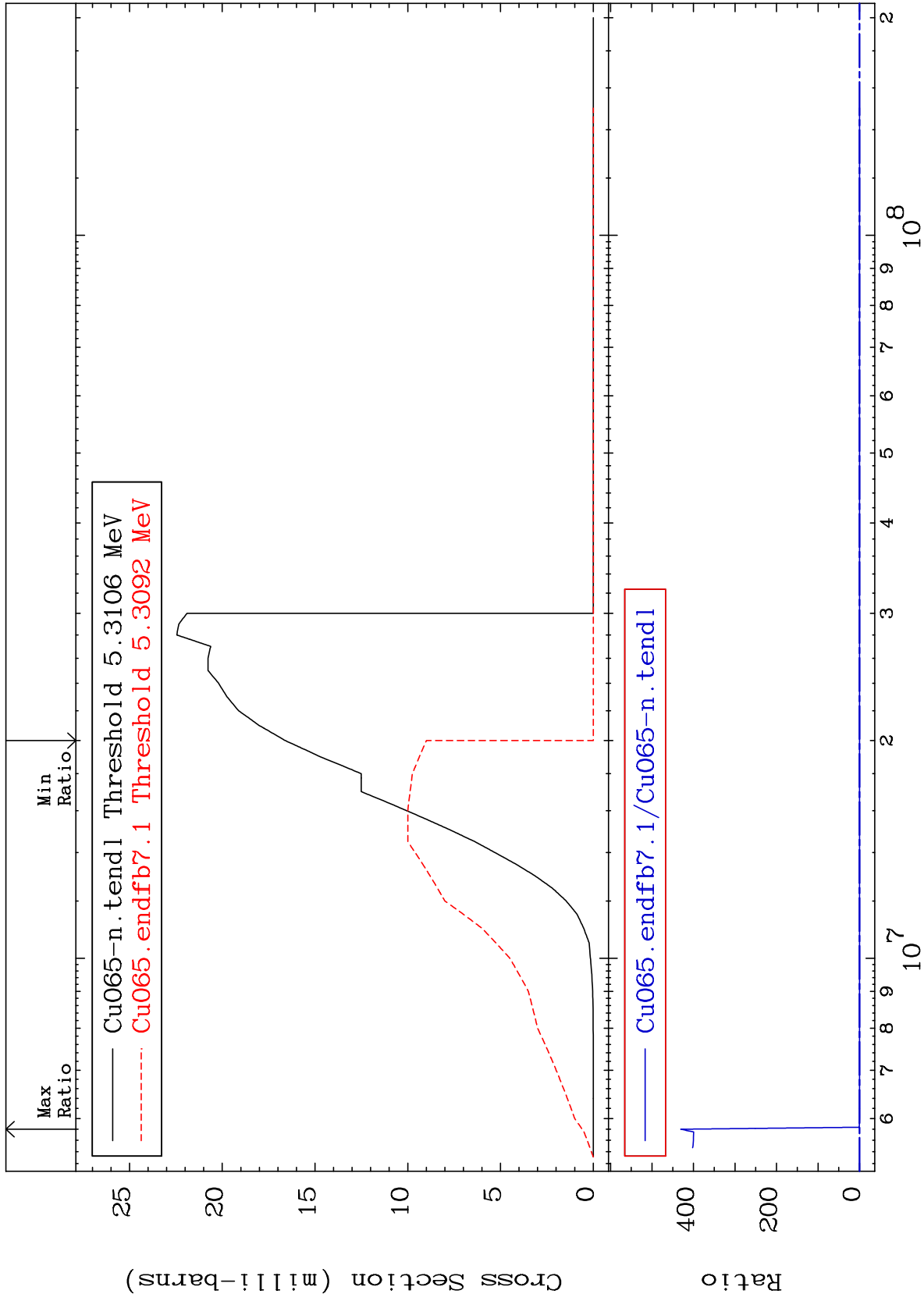
MAT 2931

(n, d)

²⁹-Cu-65

Cross Section

-100.0 To 9999. %



24

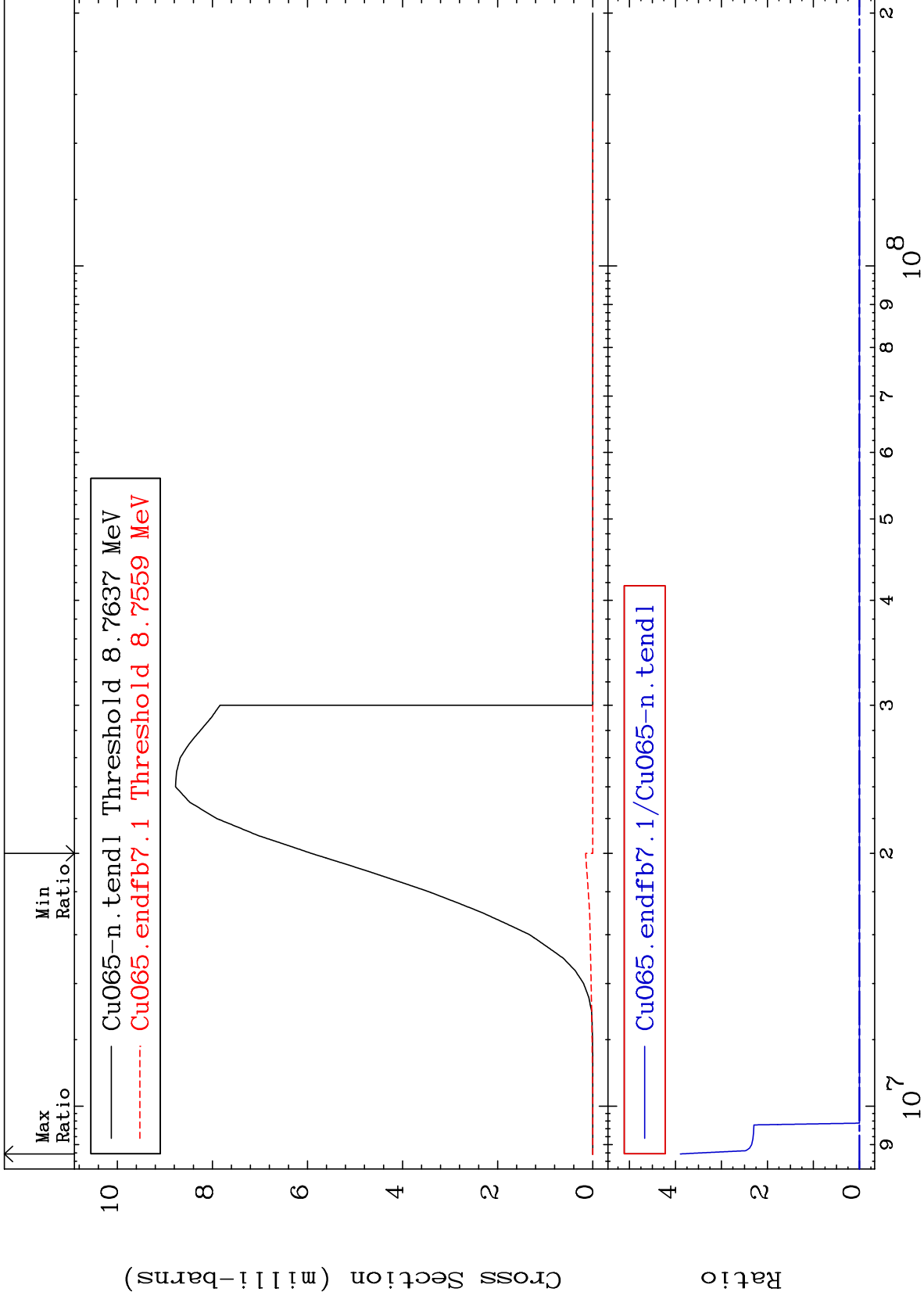
Incident Energy (eV)

²⁹-Cu-65

MAT 2931

(n, t)
Cross Section

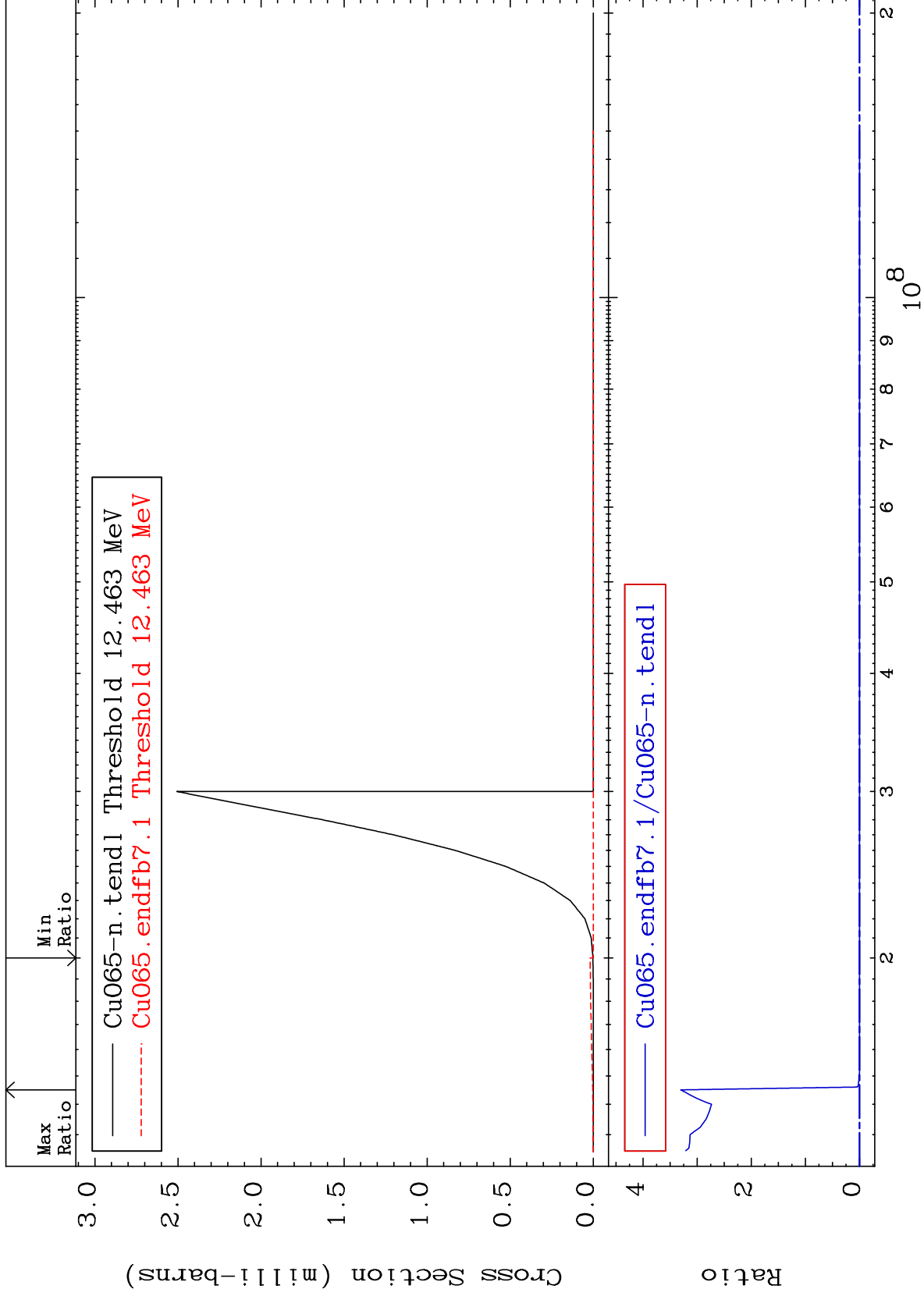
29-Cu-65
-100.0 To 9999. %

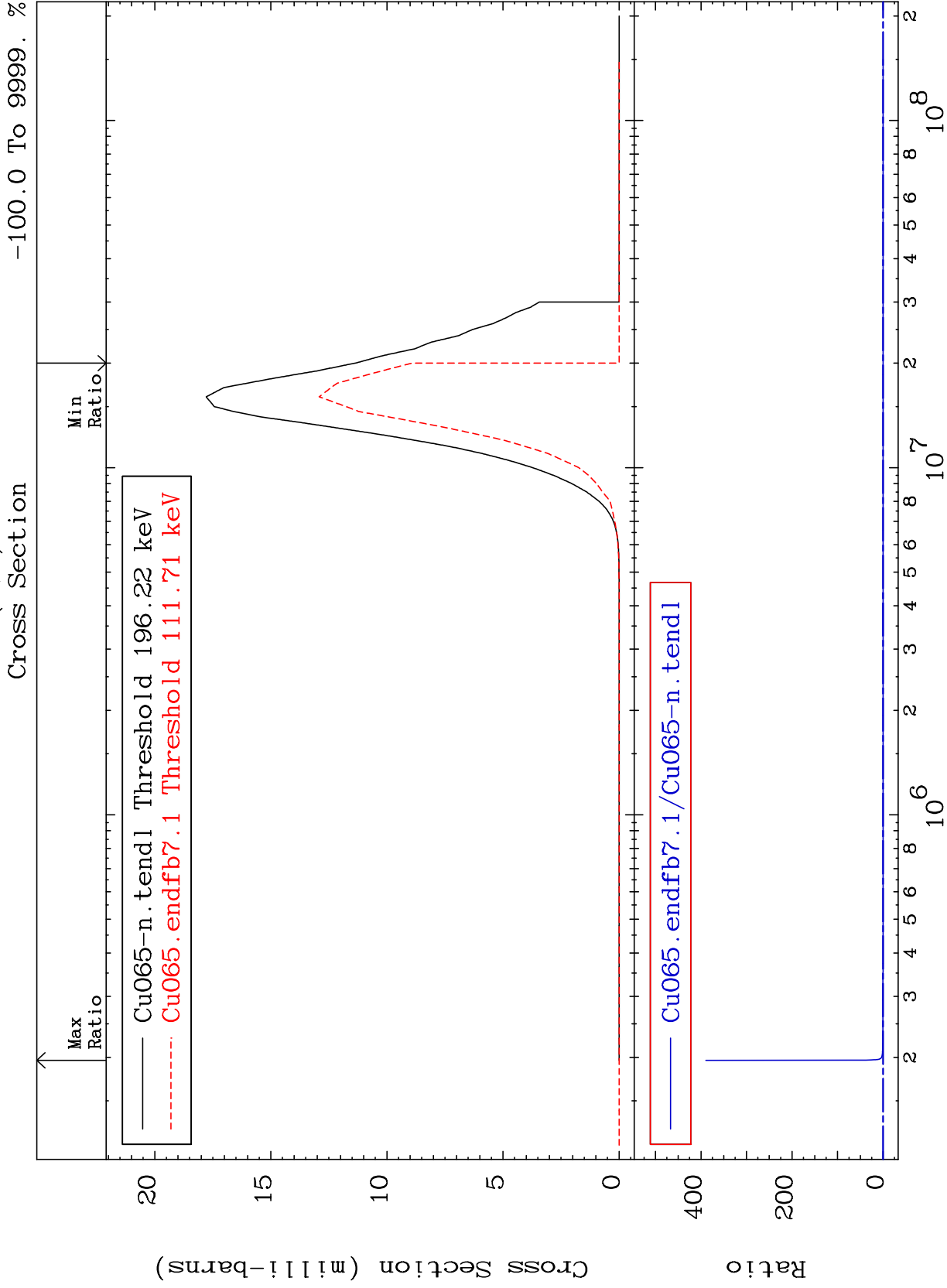


MAT 2931

(n, He-3)
Cross Section

29-Cu-65
-100.0 To 9999. %

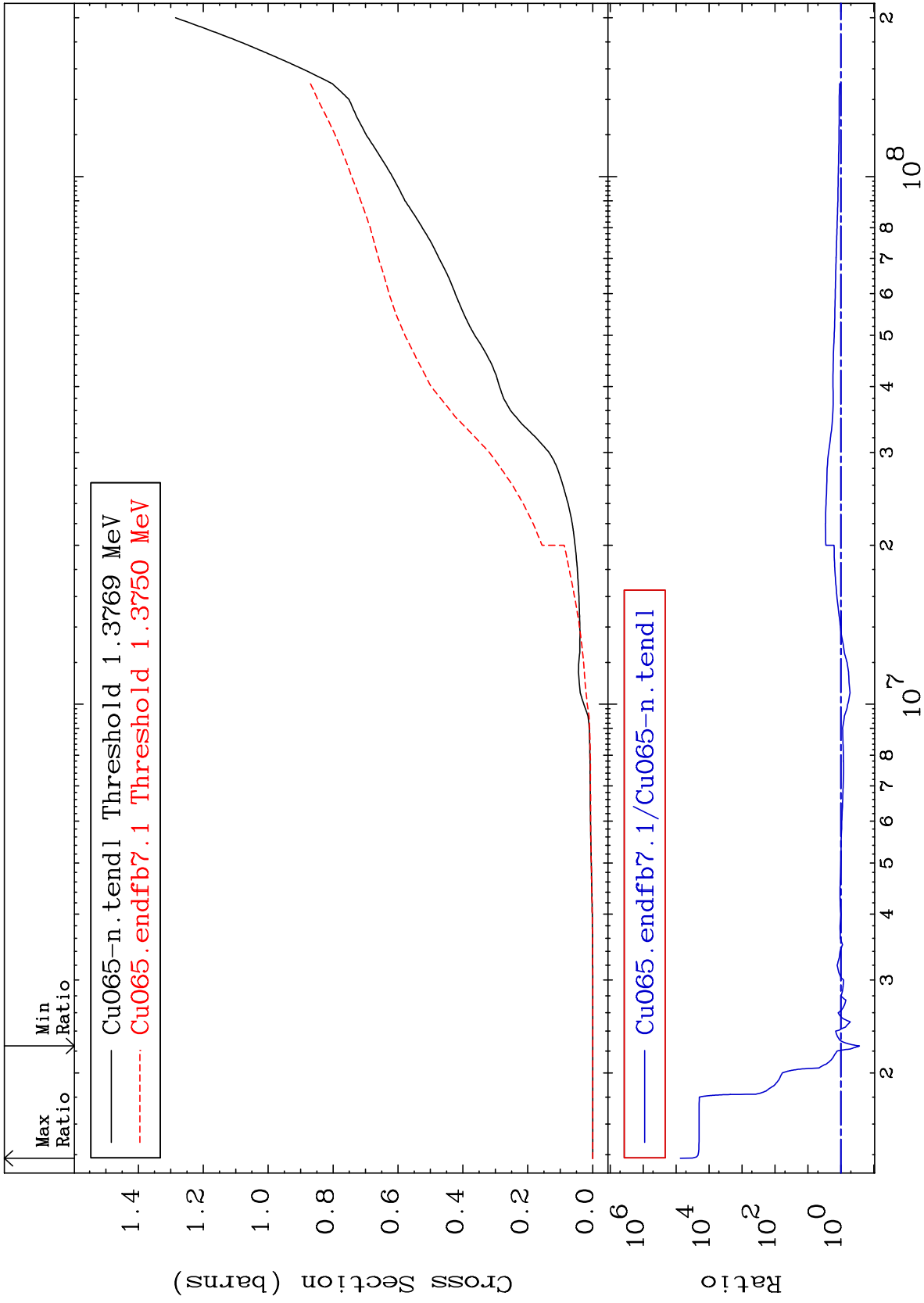




MAT 2931

Hydrogen Production
Cross Section

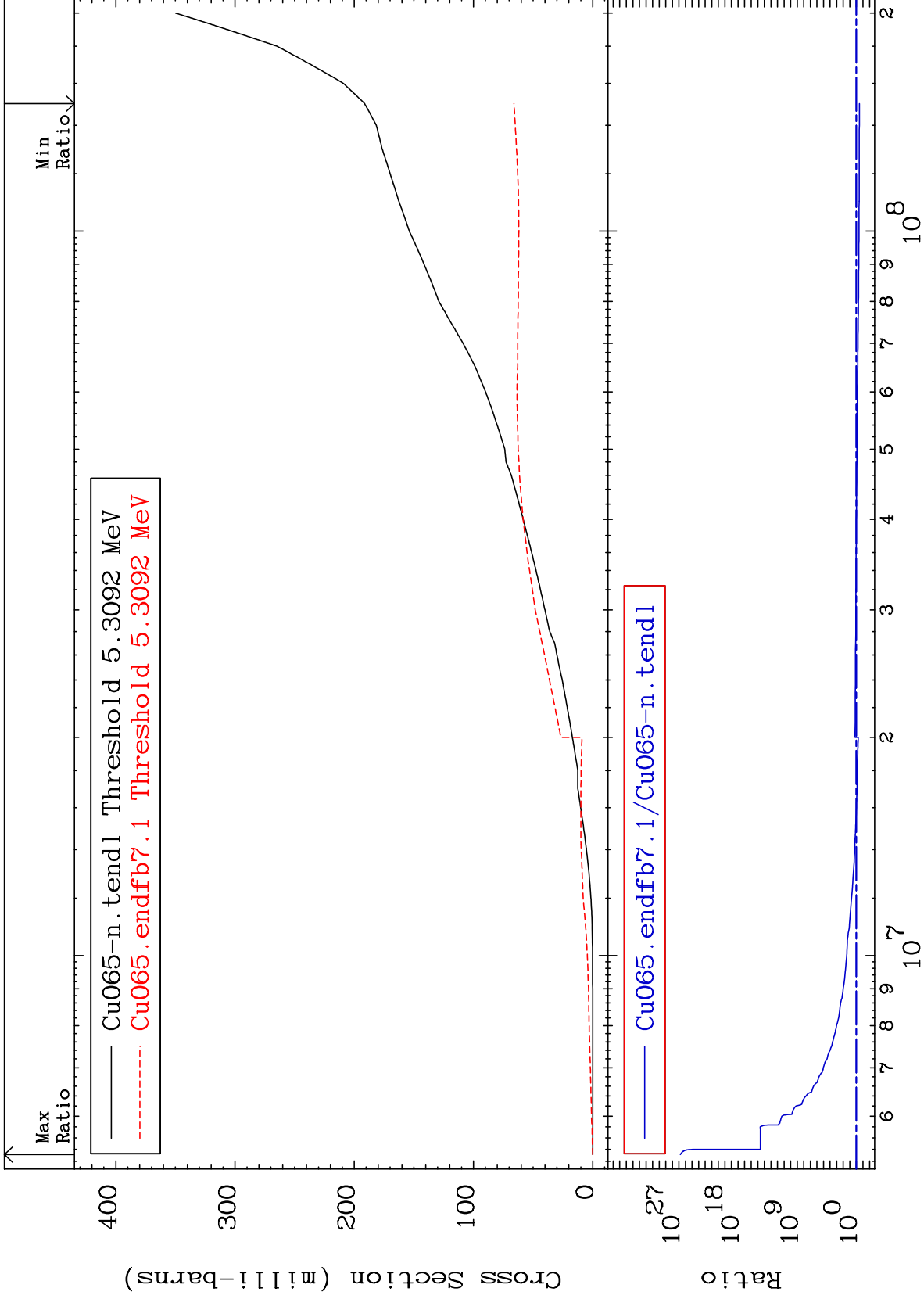
²⁹Cu-65
-72.66 To 9999. %



MAT 2931

Deuterium Production
Cross Section

²⁹-Cu-65
-65.48 To 9999. %



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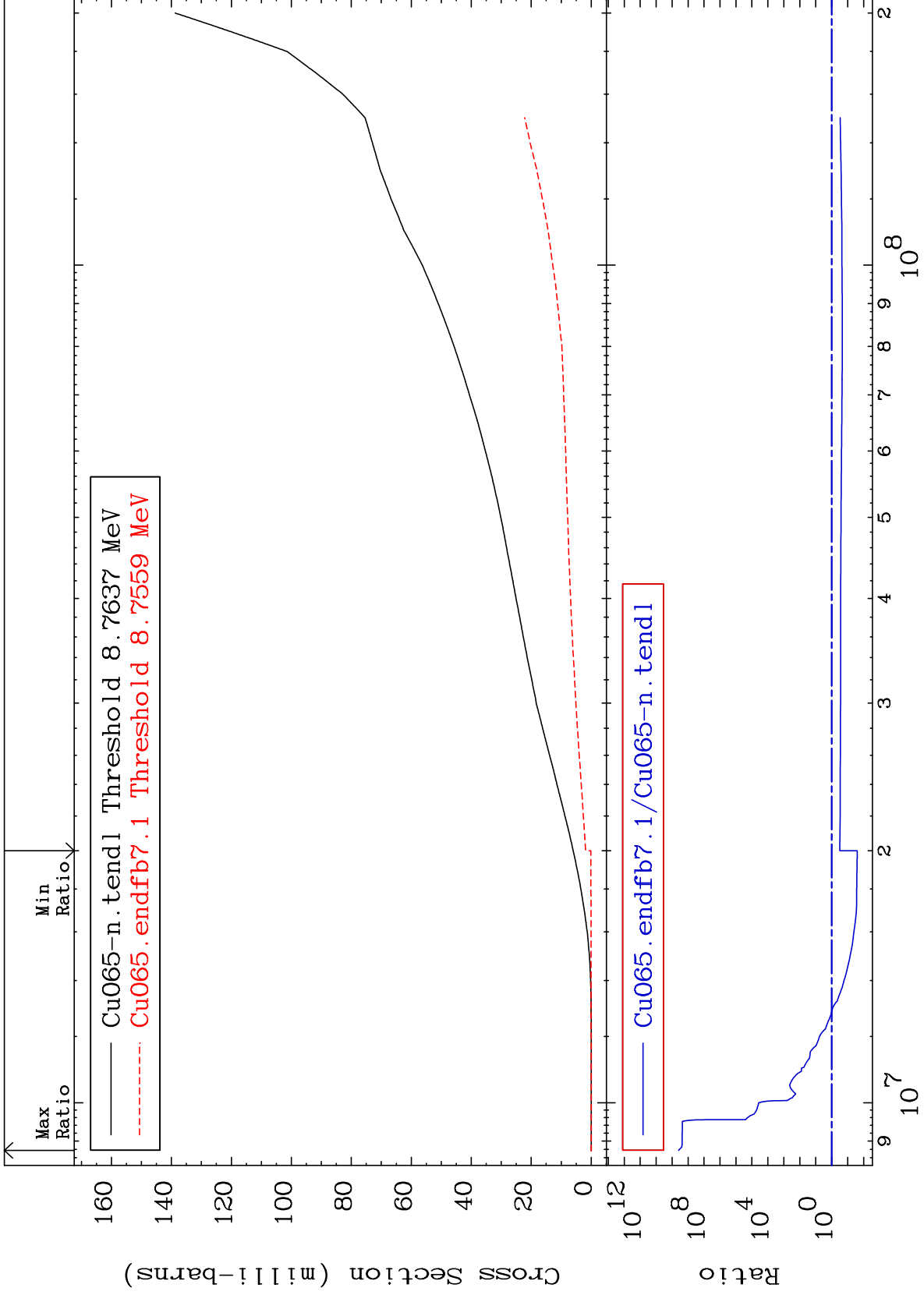
Incident Energy (eV)

²⁹-Cu-65

MAT 2931

Tritium Production
Cross Section

²⁹Cu-65
-97.50 To 9999. %



Max Ratio

Min Ratio

Cu065-n.tendl Threshold 8.7637 MeV
Cu065.endfb7.1 Threshold 8.7559 MeV

Cu065.endfb7.1/Cu065-n.tendl

30

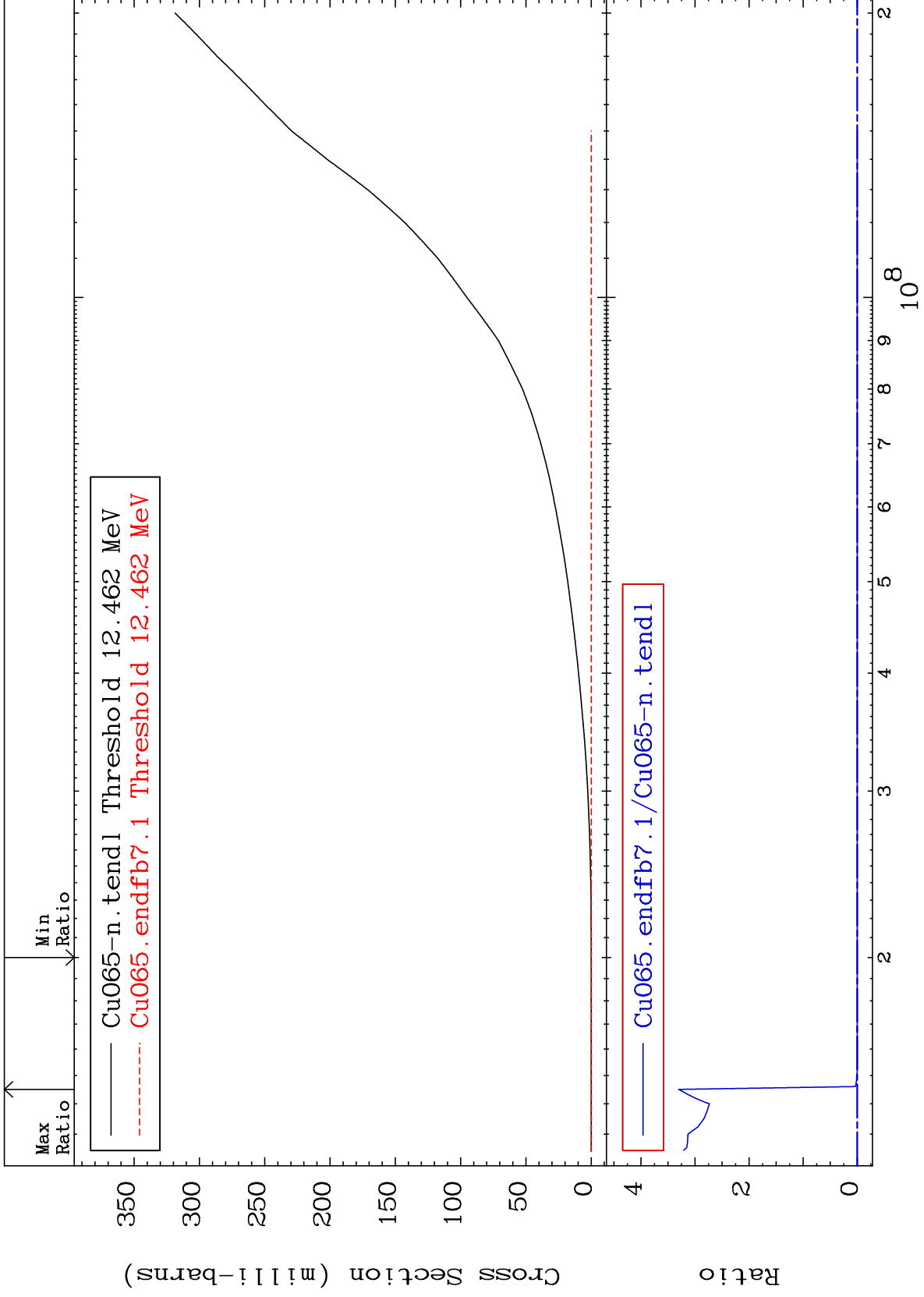
Incident Energy (eV)

²⁹Cu-65

MAT 2931

He-3 Production
Cross Section

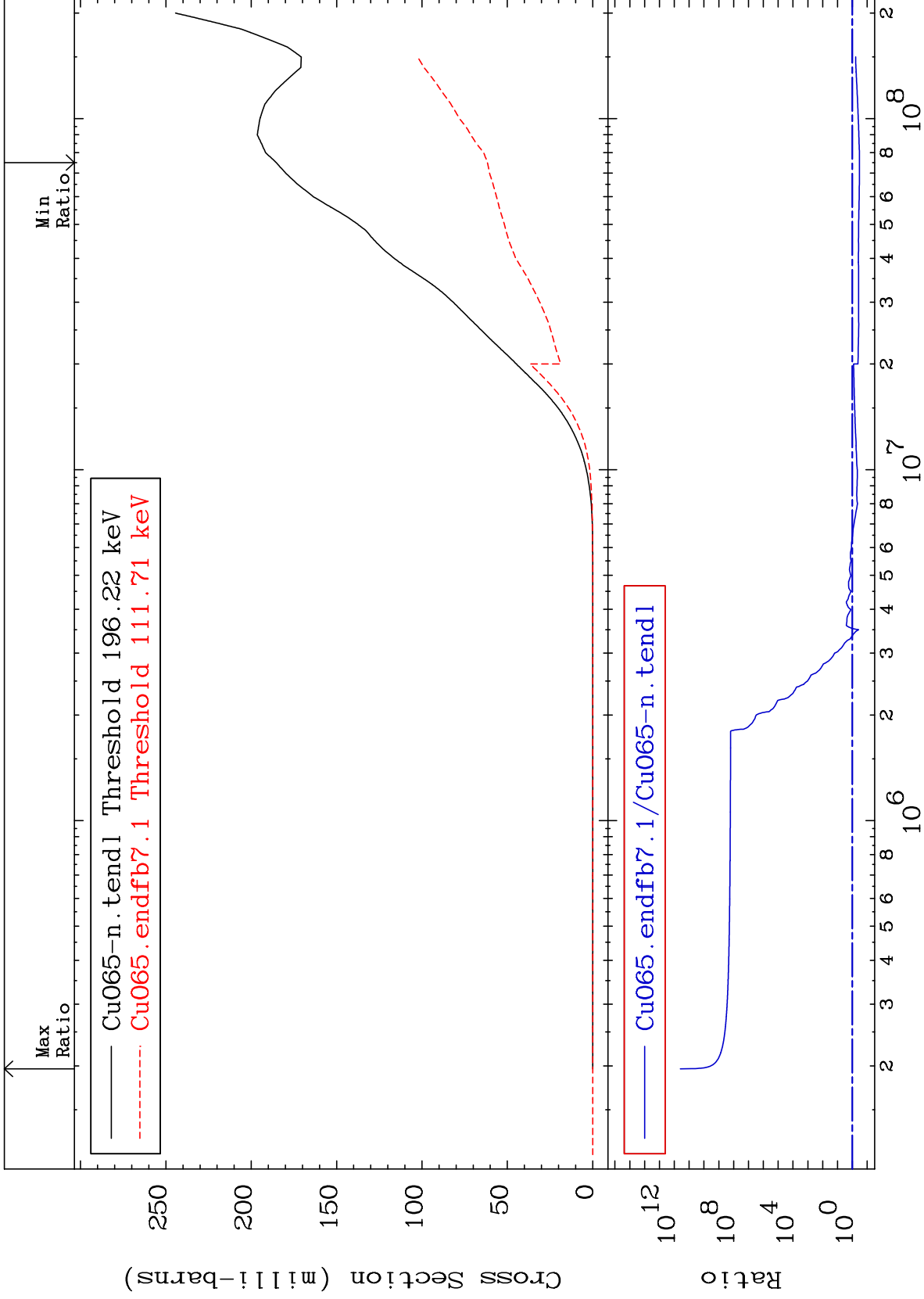
29-Cu-65
-100.0 To 9999. %



MAT 2931

He-4 Production
Cross Section

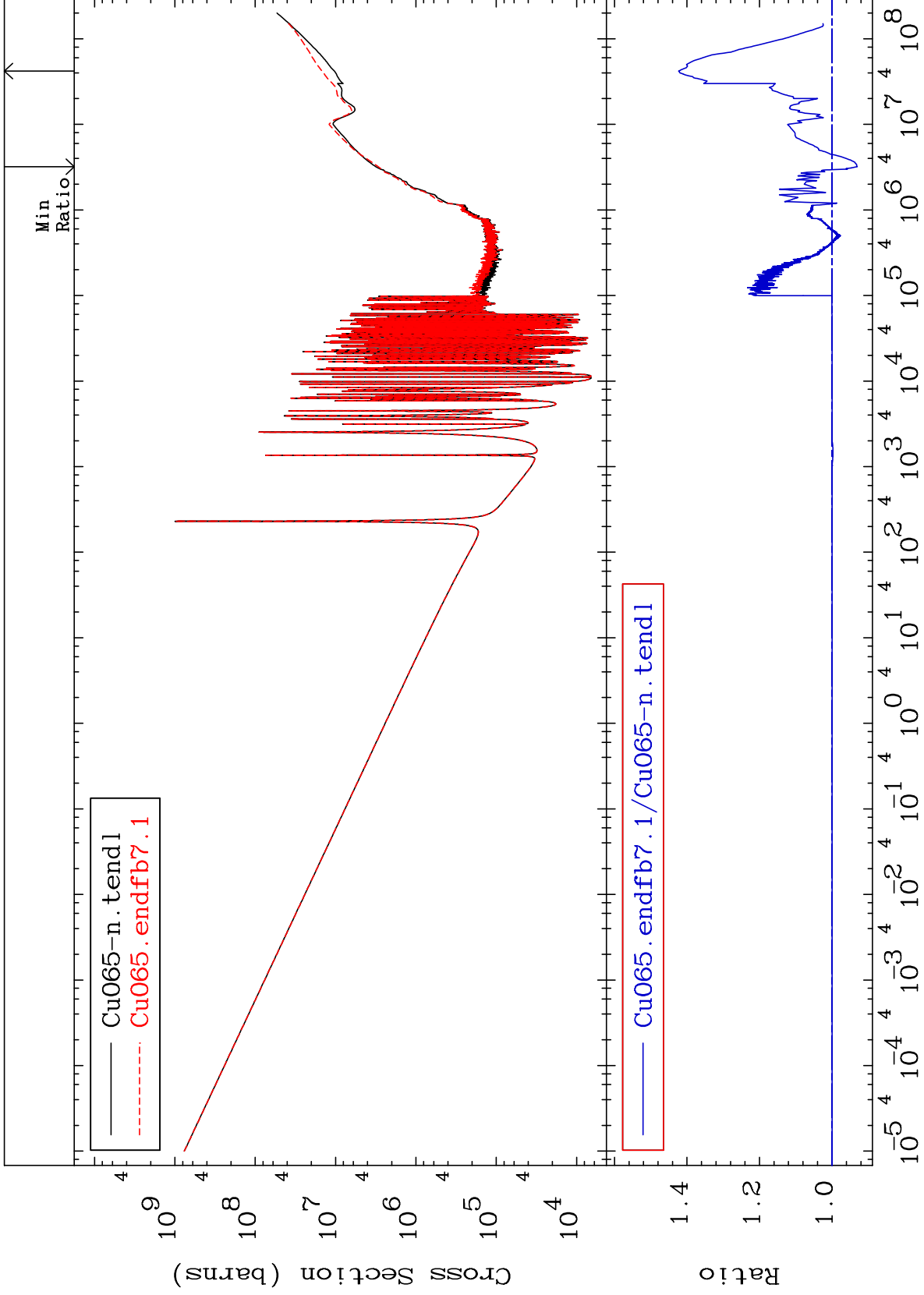
29-Cu-65
-66.76 To 9999. %



MAT 2931

Kerma total (eV-barns)
Cross Section

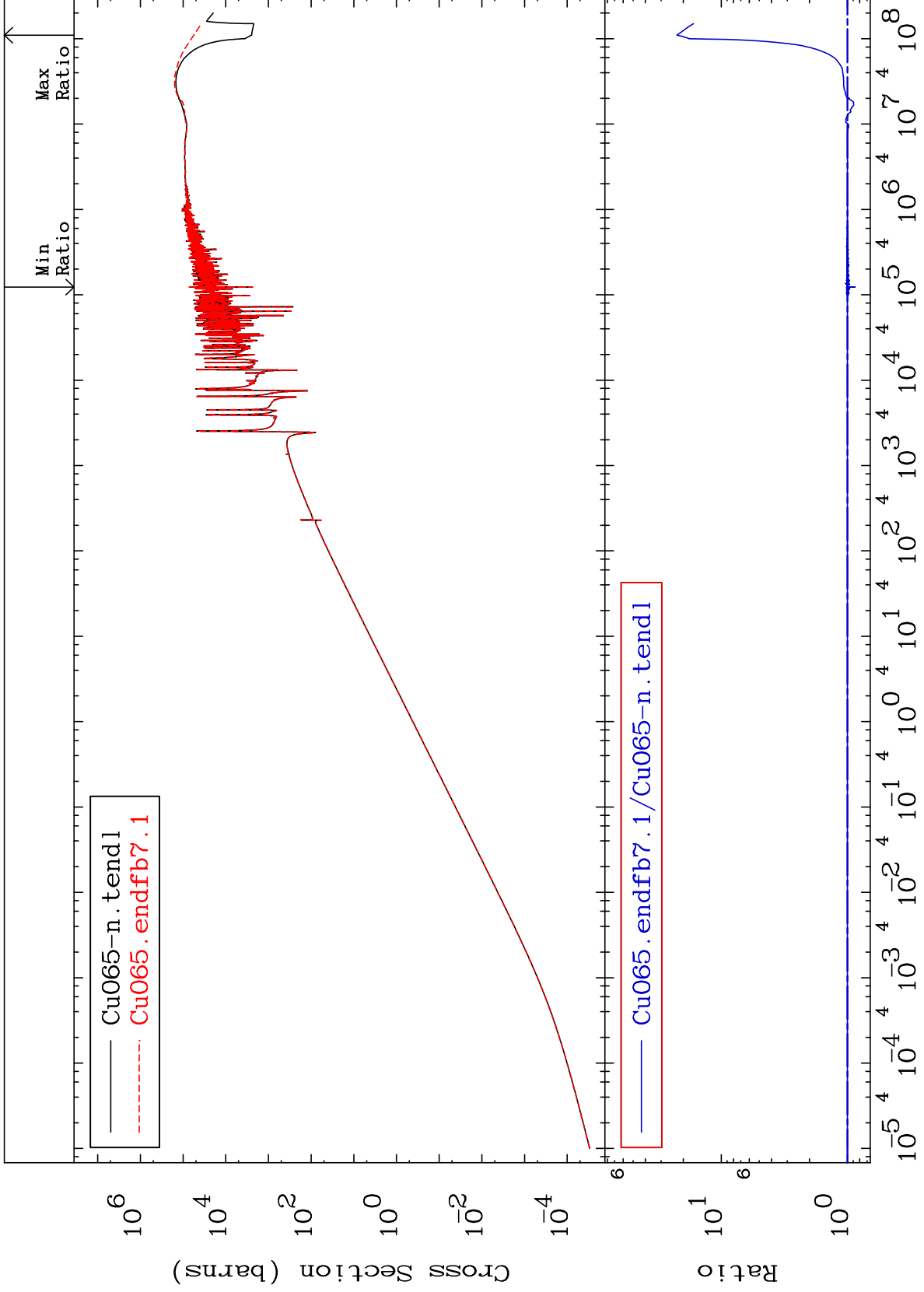
29-Cu-65
-6.964 To 42.31 %



MAT 2931

Kerma elastic
Cross Section

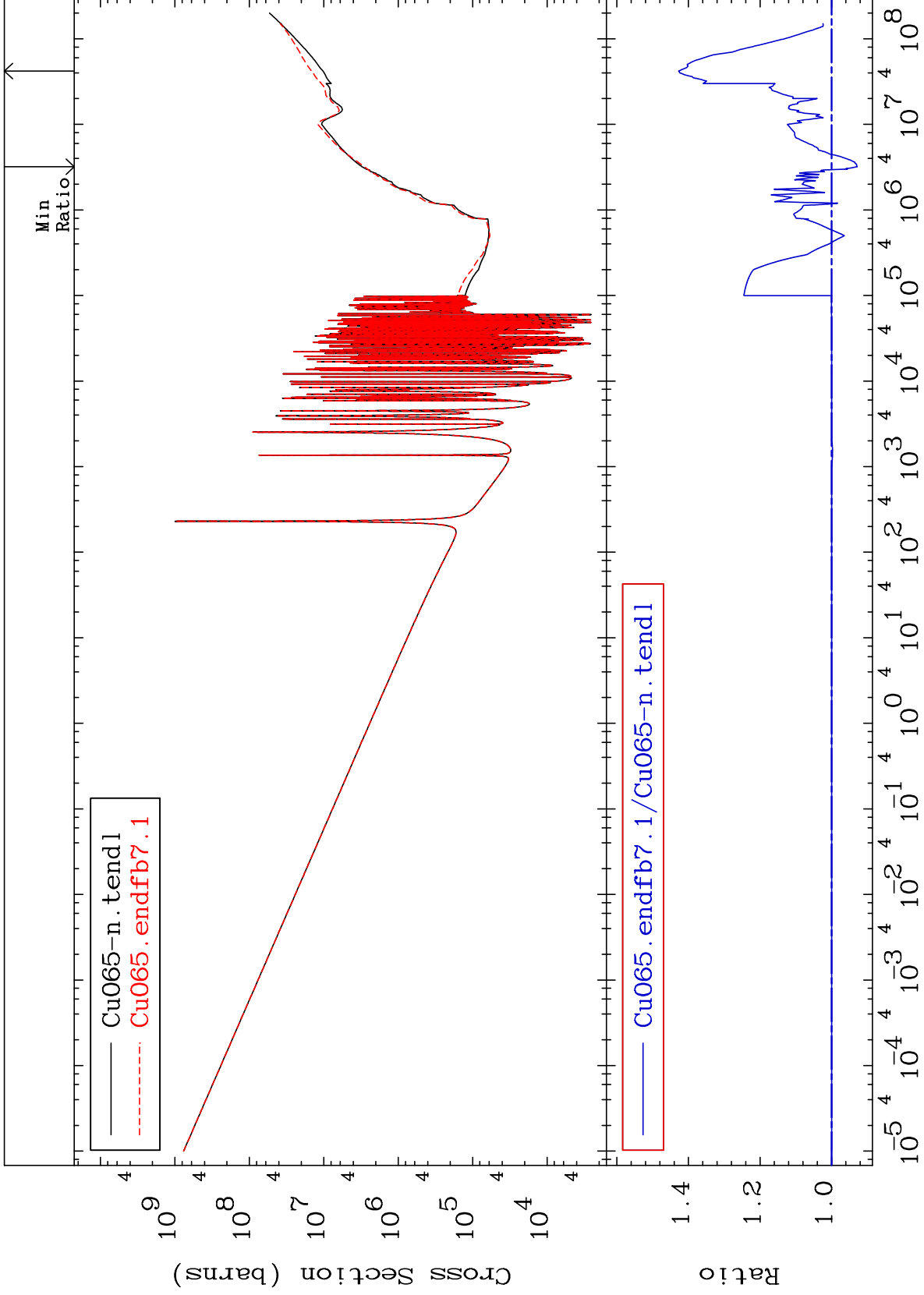
29-Cu-65
-12.95 To 2146. %



MAT 2931

Kerma non-elastic (all but mt2)
Cross Section

29-Cu-65
-7.169 To 42.74 %



35

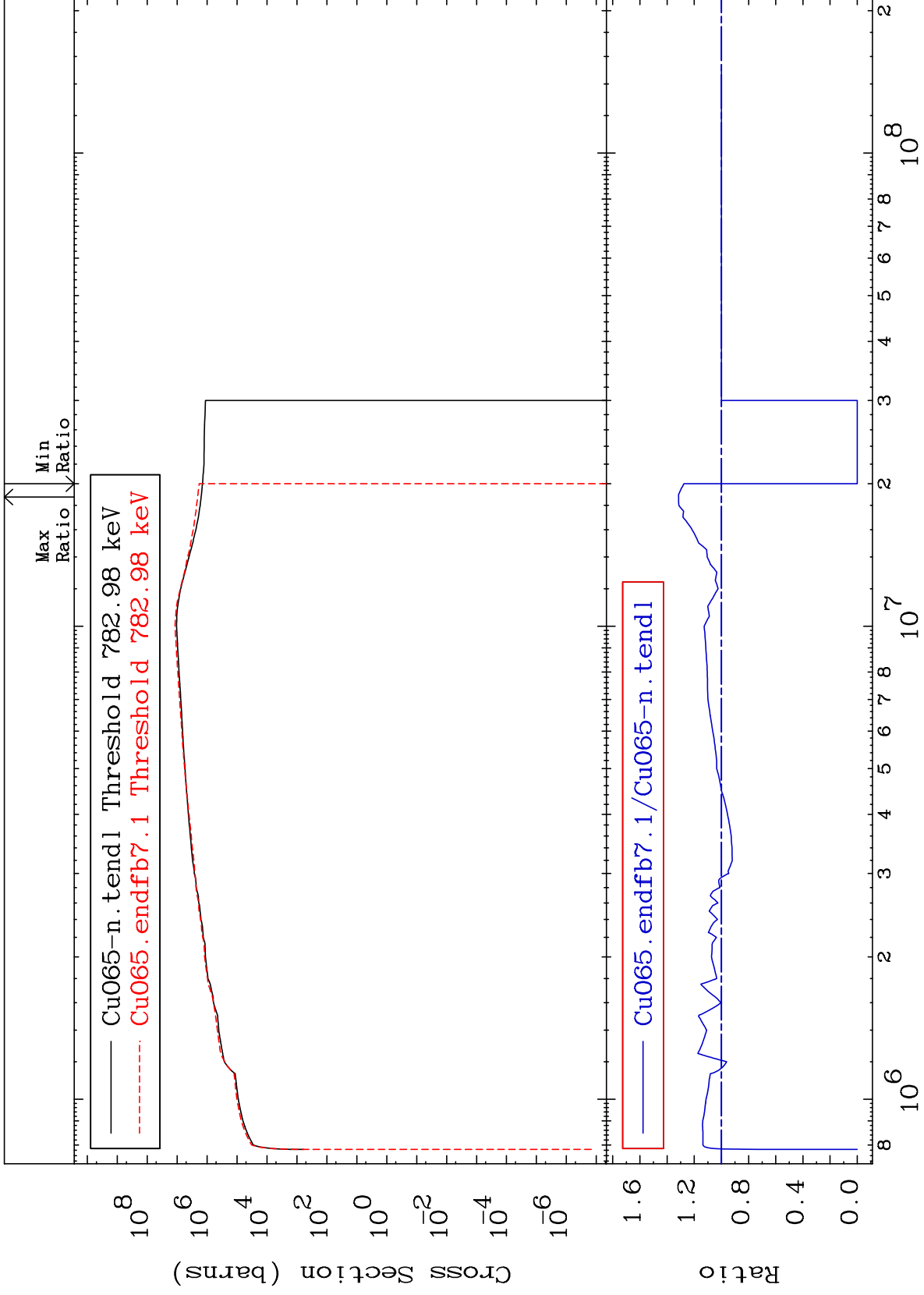
Incident Energy (eV)

29-Cu-65

MAT 2931

Kerma inelastic (mt51-91)
Cross Section

29-Cu-65
-100.0 To 31.49 %



36

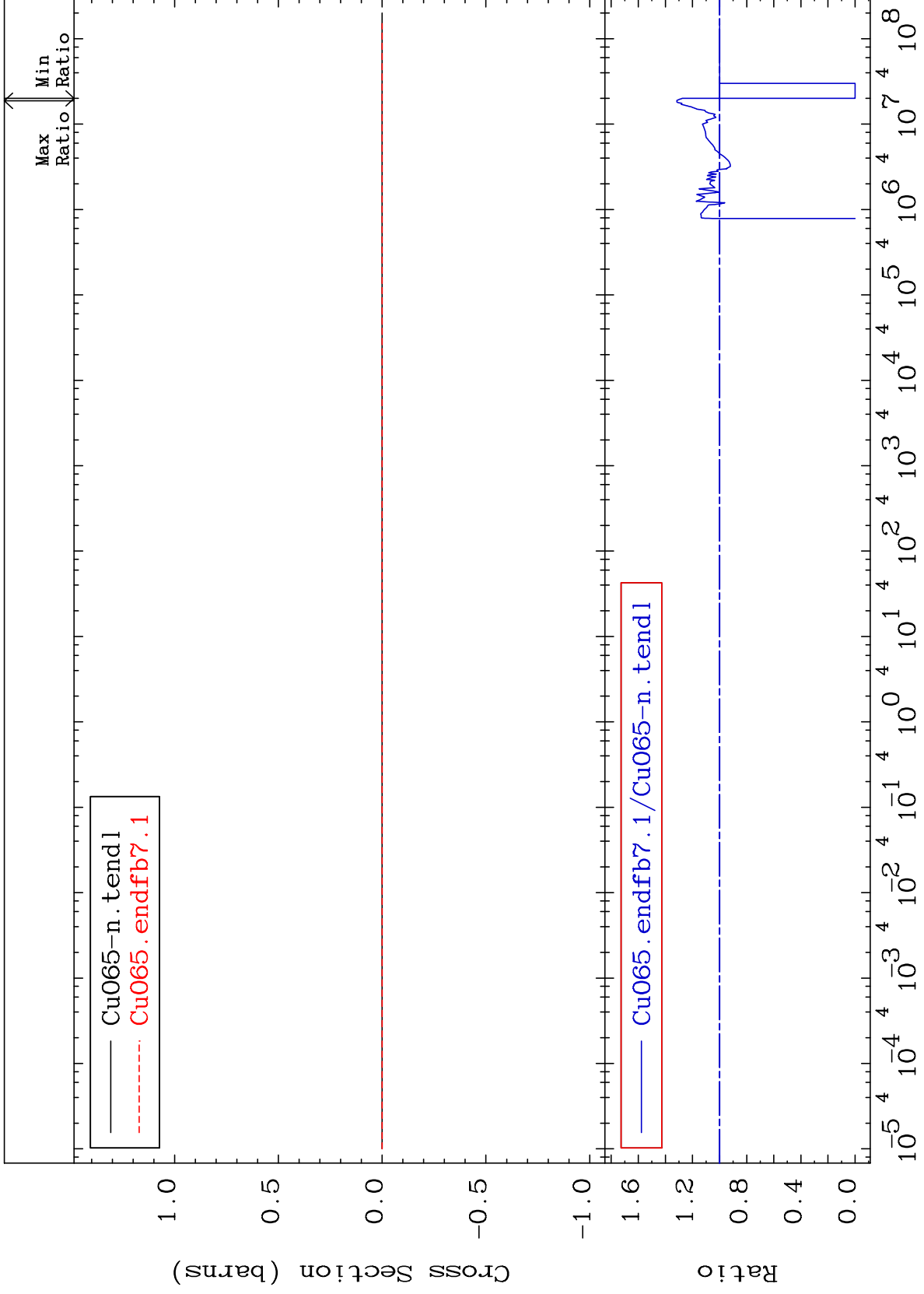
Incident Energy (eV)

29-Cu-65

MAT 2931

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

29-Cu-65
-100.0 To 31.49 %



37

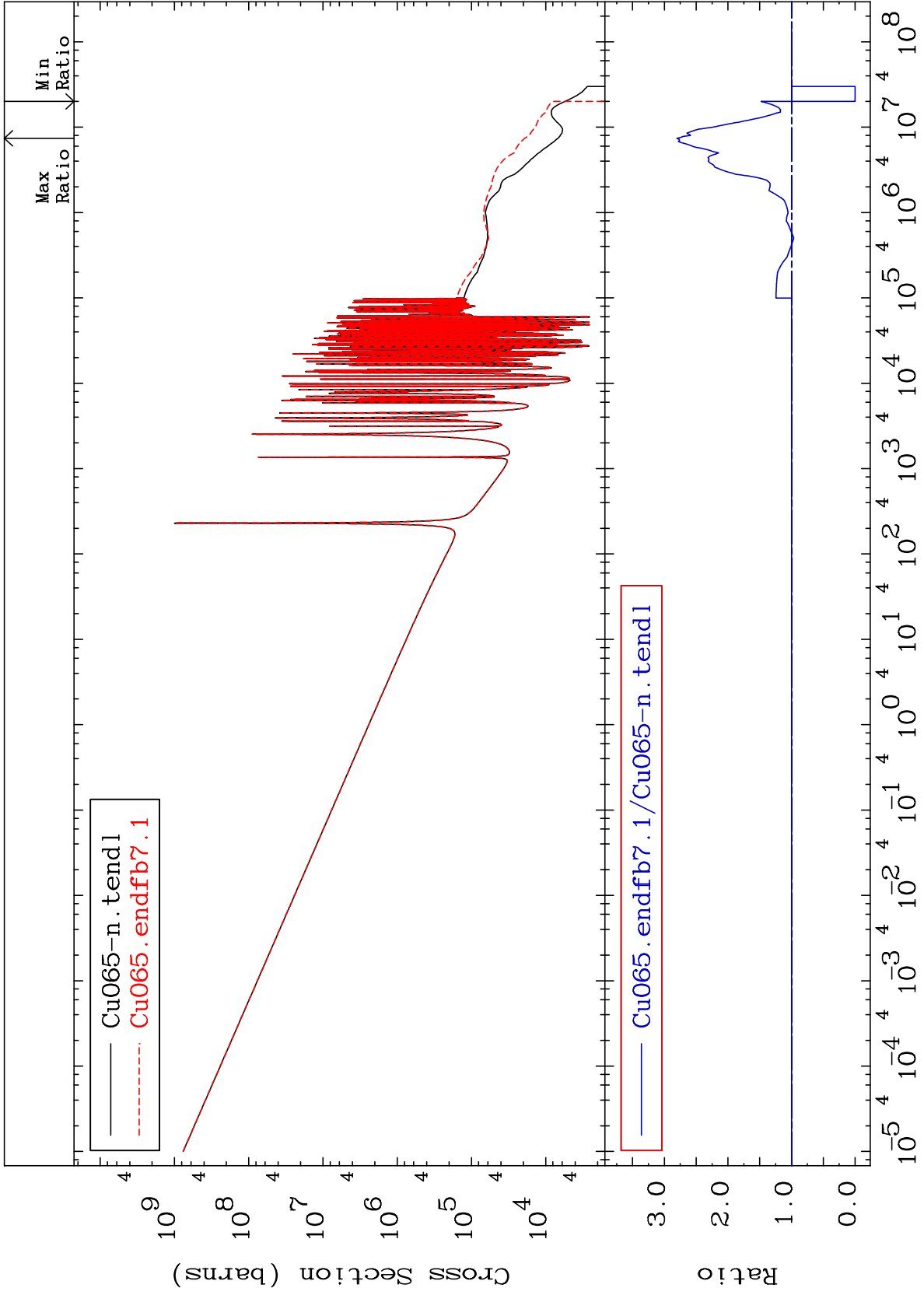
Incident Energy (eV)

29-Cu-65

MAT 2931

Kerma capture (mt102)
Cross Section

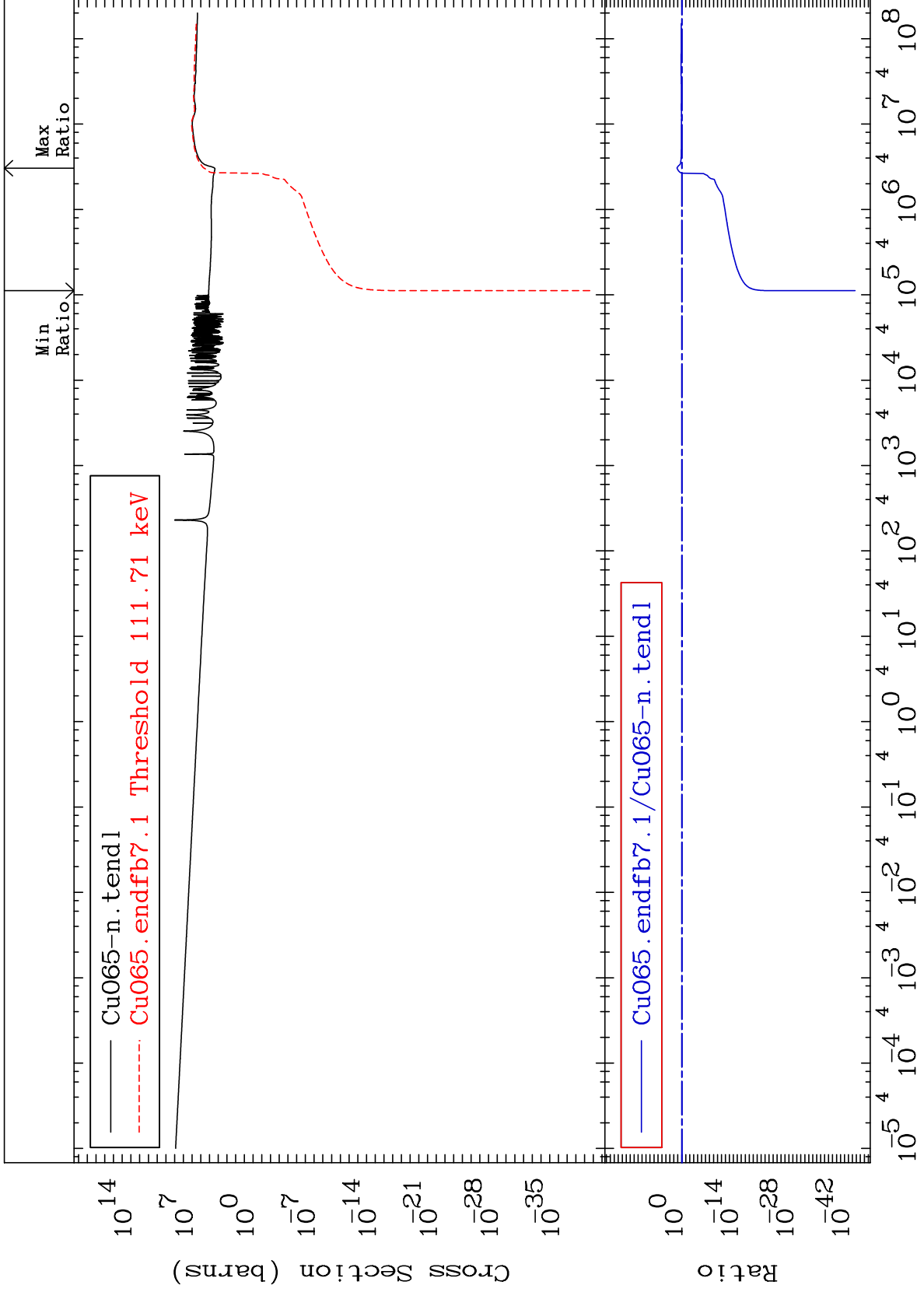
29-Cu-65
-100.0 To 180.3 %



MAT 2931

Total photon (eV-barns)
Cross Section

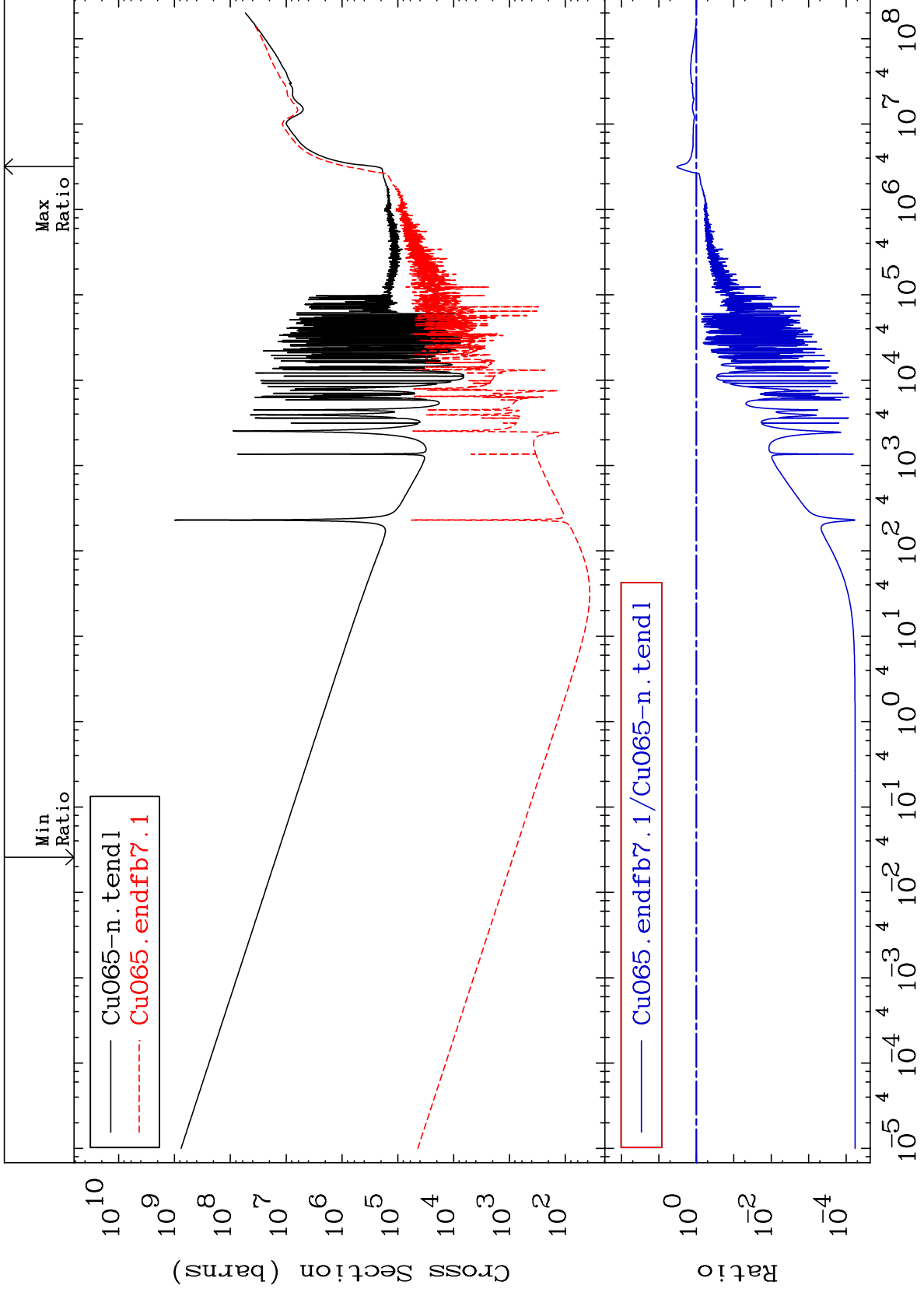
29-Cu-65
-100.0 To 1552. %



MAT 2931

Total kinematic kerma (high limit)
Cross Section

29-Cu-65
-99.99 To 229.4 %

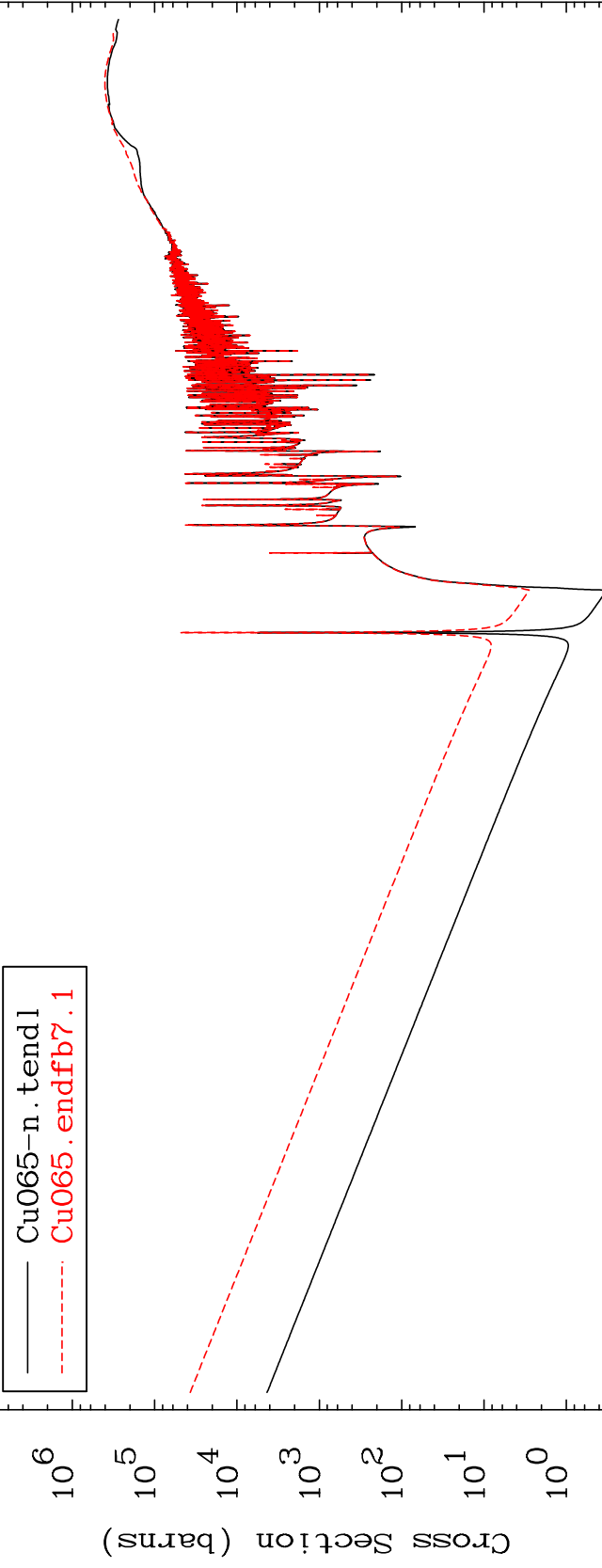


40

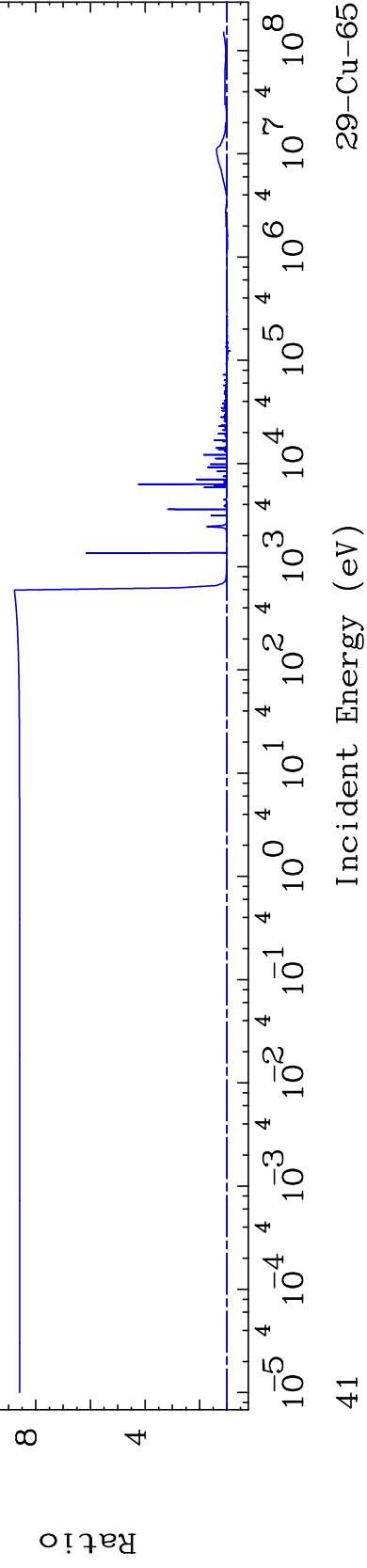
MAT 2931

Dpa total (eV-barns)
Cross Section

29-Cu-65
-11.20 To 778.3 %



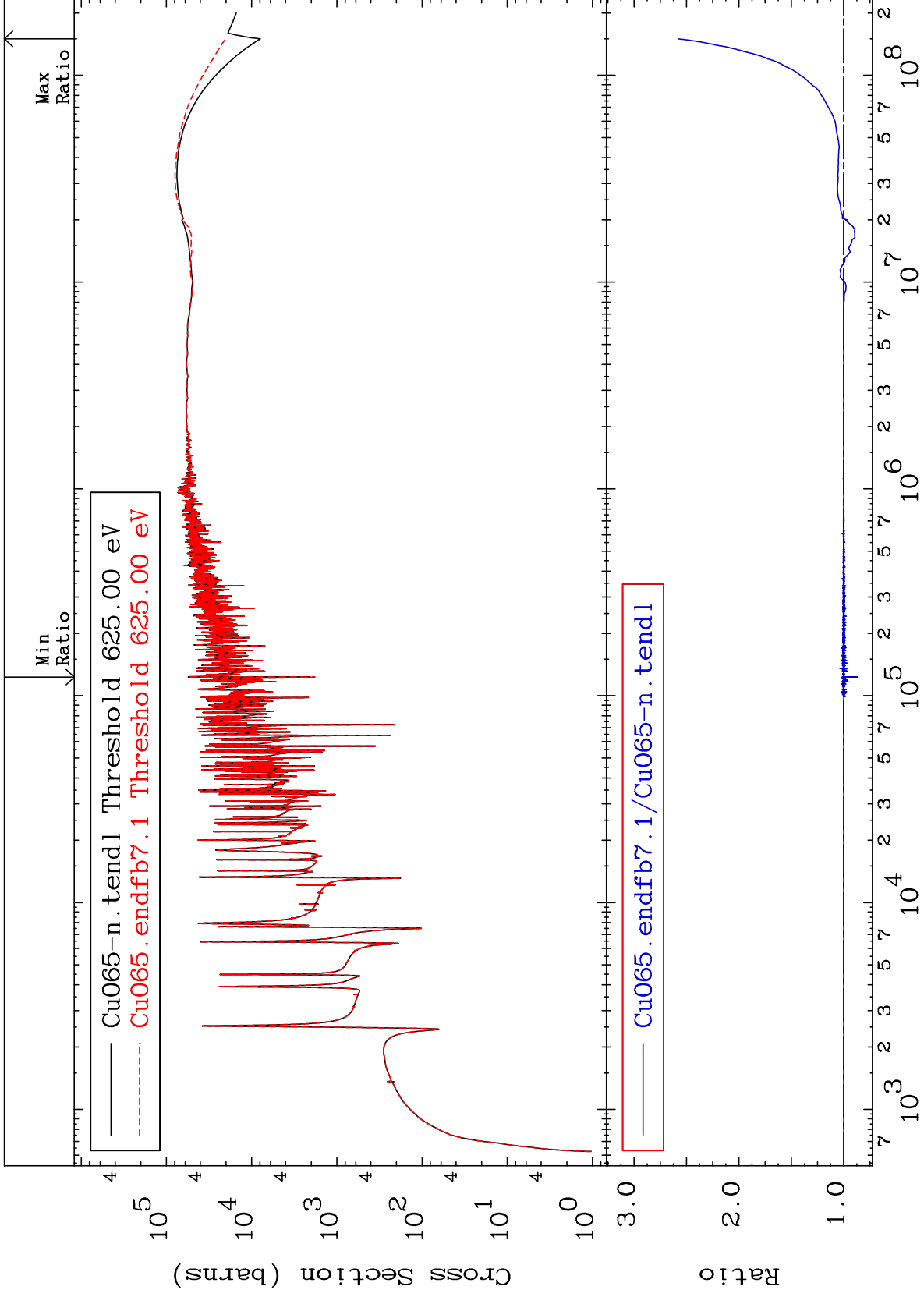
Cu065.endfb7.1/Cu065-n.tendl



MAT 2931

Dpa elastic (mt2)
Cross Section

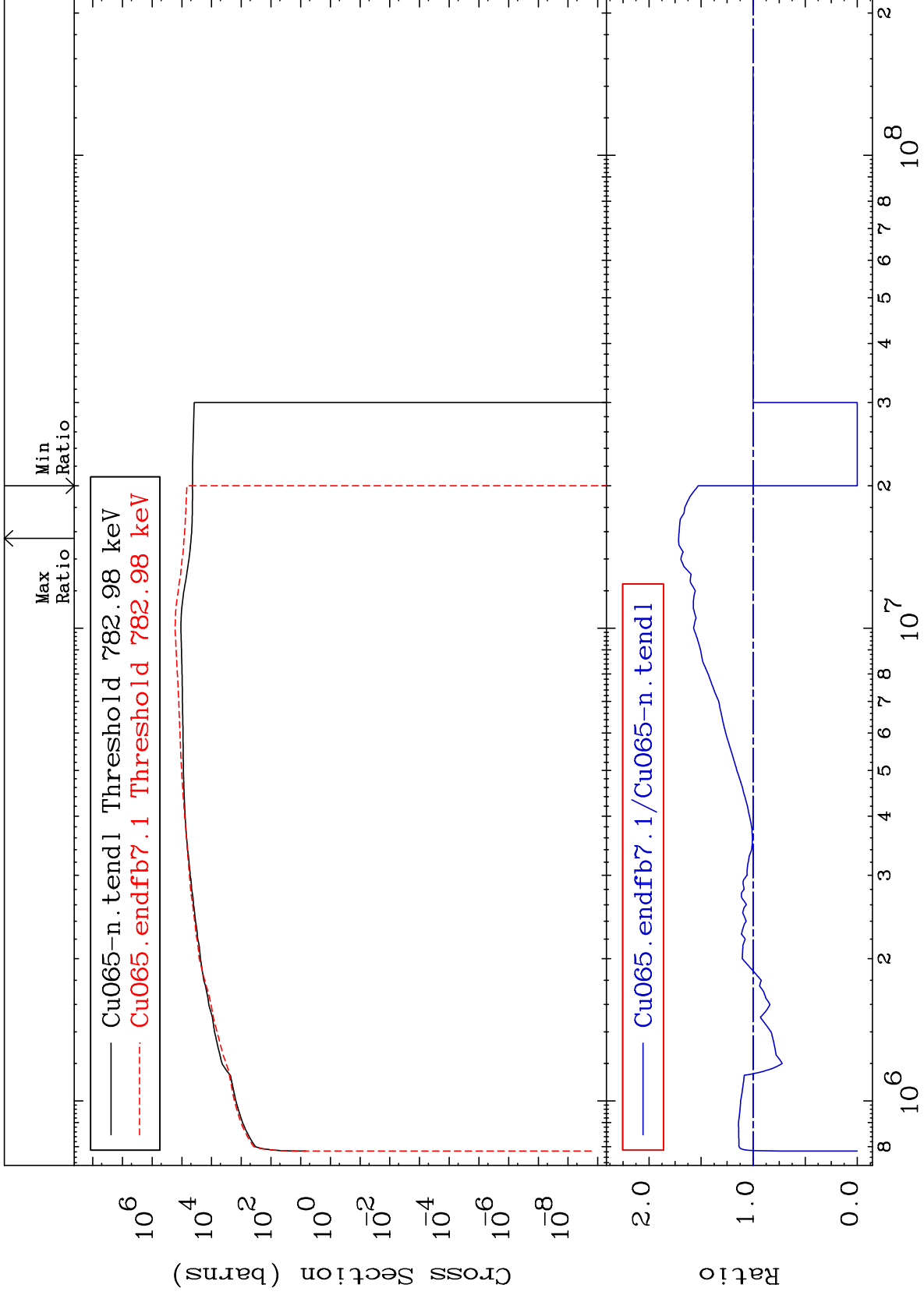
29-Cu-65
-12.95 To 157.5 %



MAT 2931

Dpa inelastic (mt51-91)
Cross Section

29-Cu-65
-100.0 To 71.54 %



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Incident Energy (eV)

29-Cu-65

MAT 2931

Dpa disappearance (mt102 -120)

29-Cu-65

Cross Section

-100.0 To 9999. %

