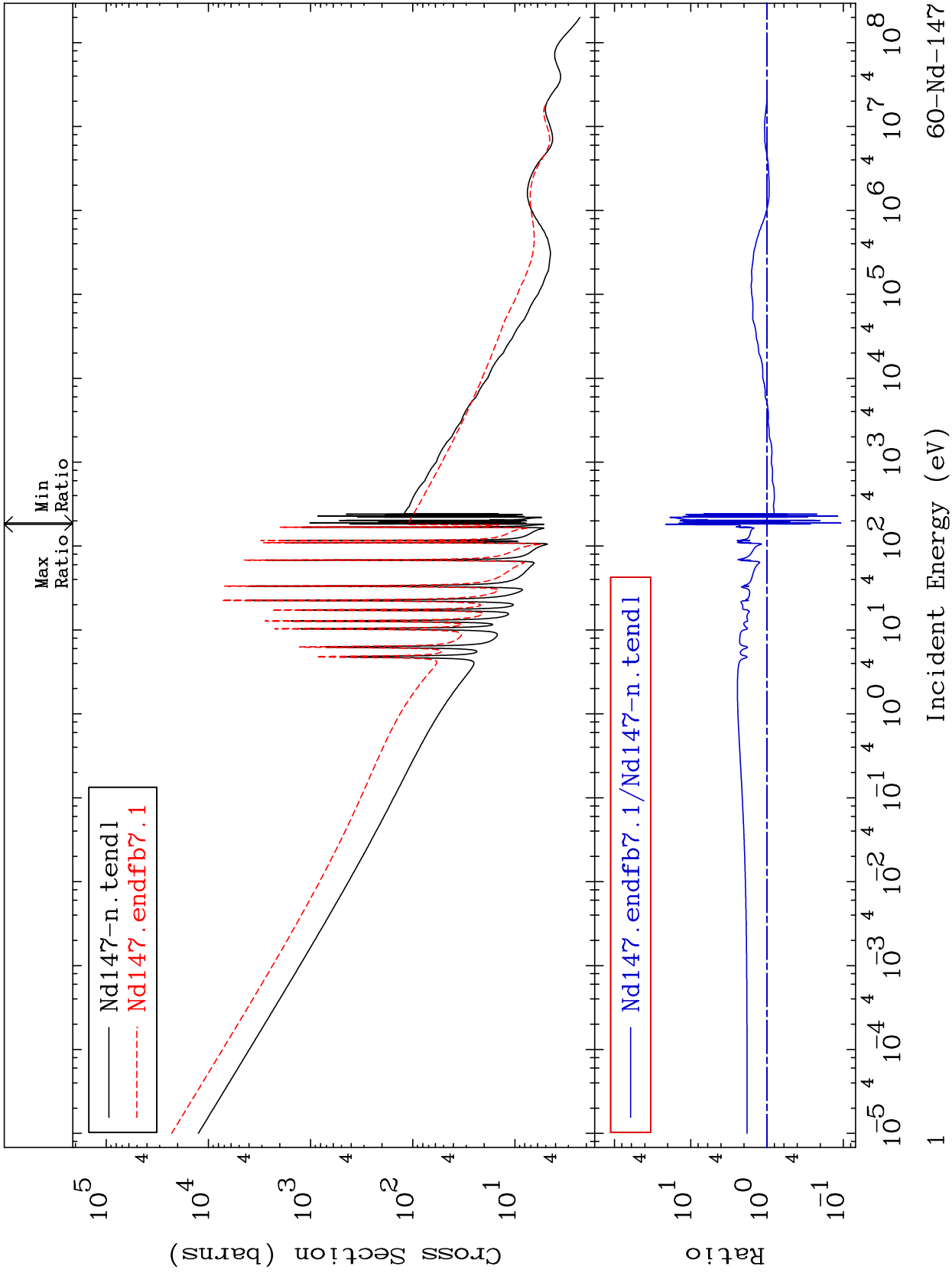


MAT 6040

Total Cross Section
60-Nd-147
-89.20 To 2038. %



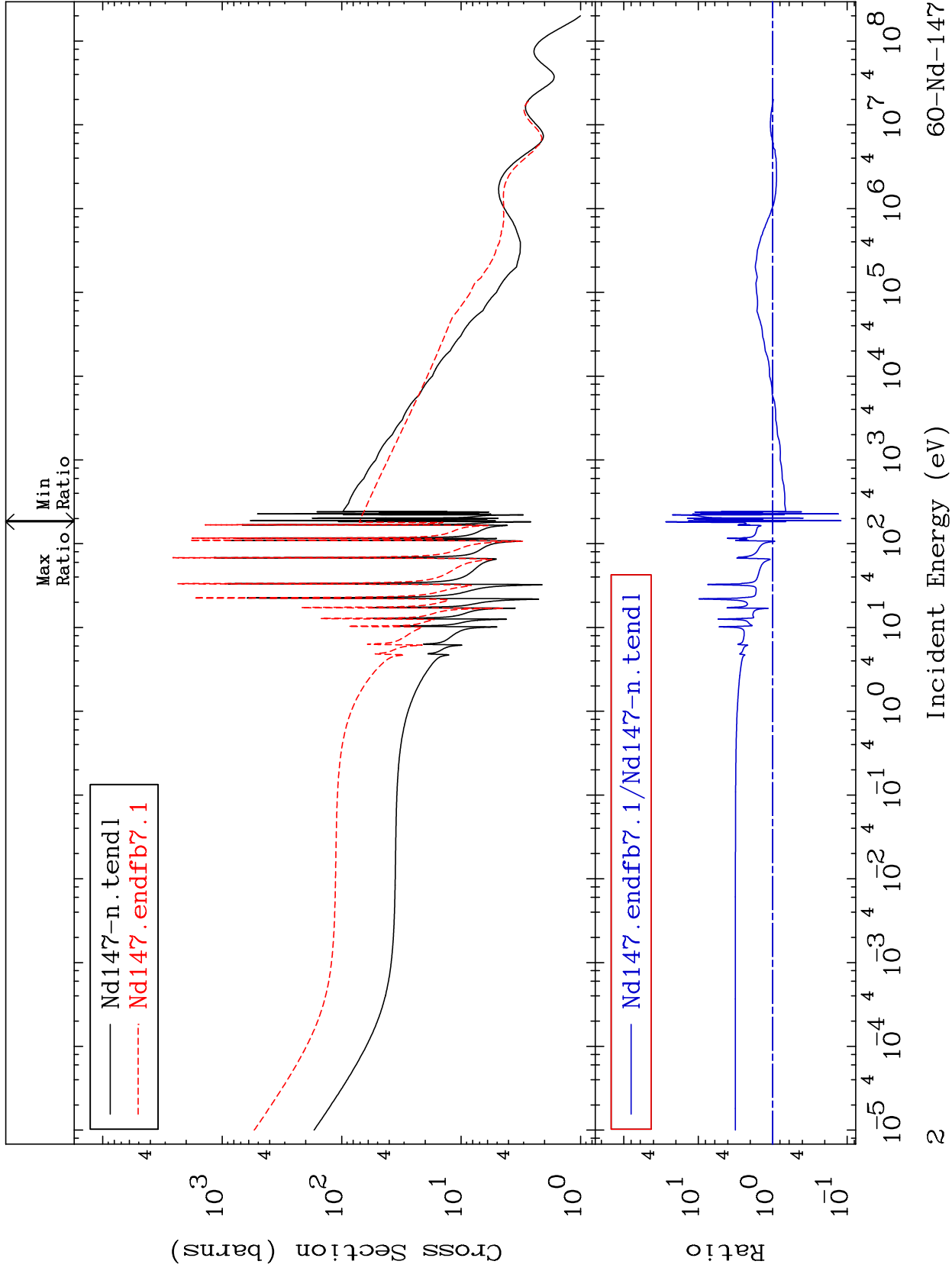
60-Nd-147

Incident Energy (eV)

MAT 6040

Elastic
Cross Section

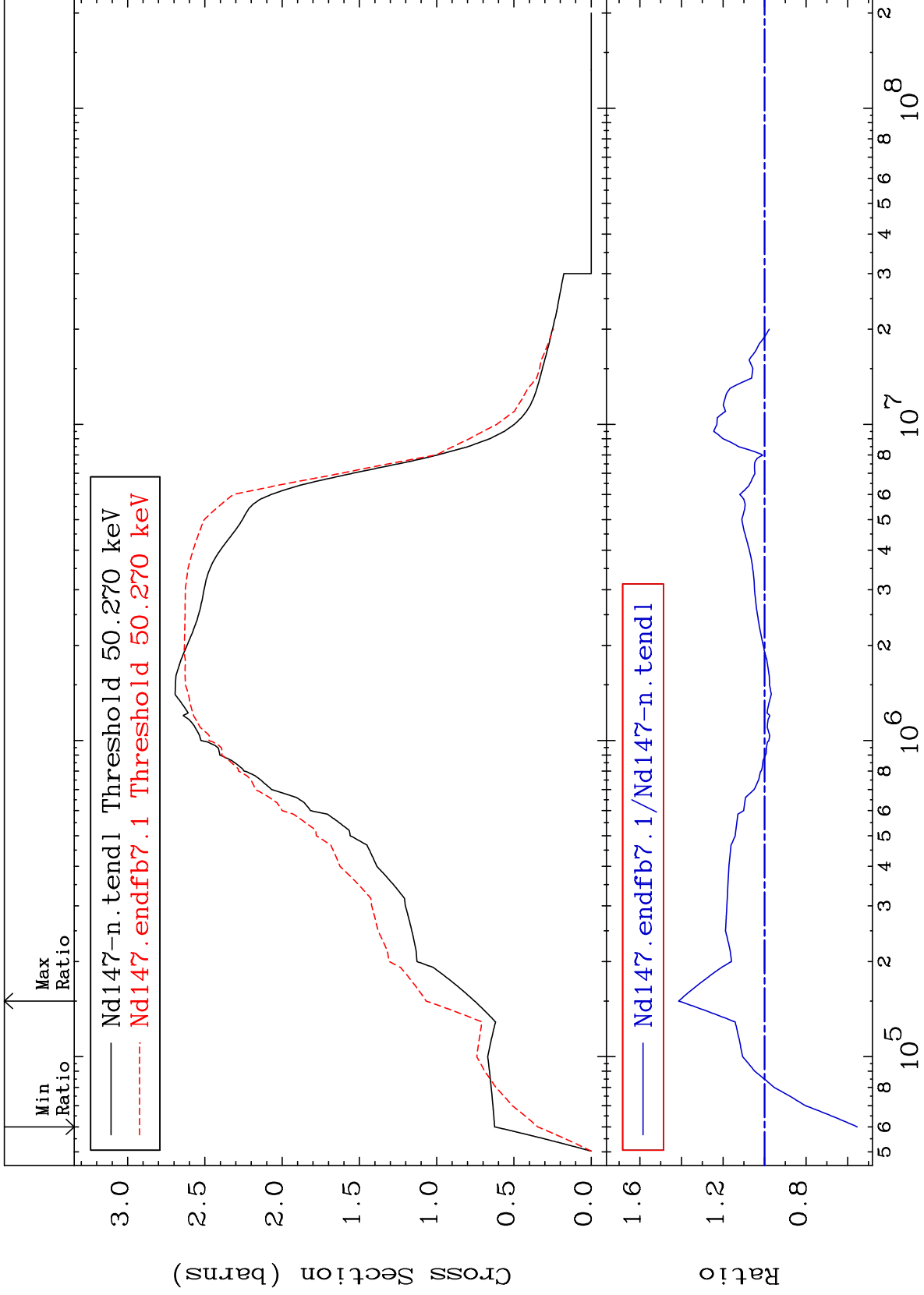
60-Nd-147
-87.88 To 2614. %



MAT 6040

Inelastic
Cross Section

60-Nd-147
-44.59 To 41.36 %



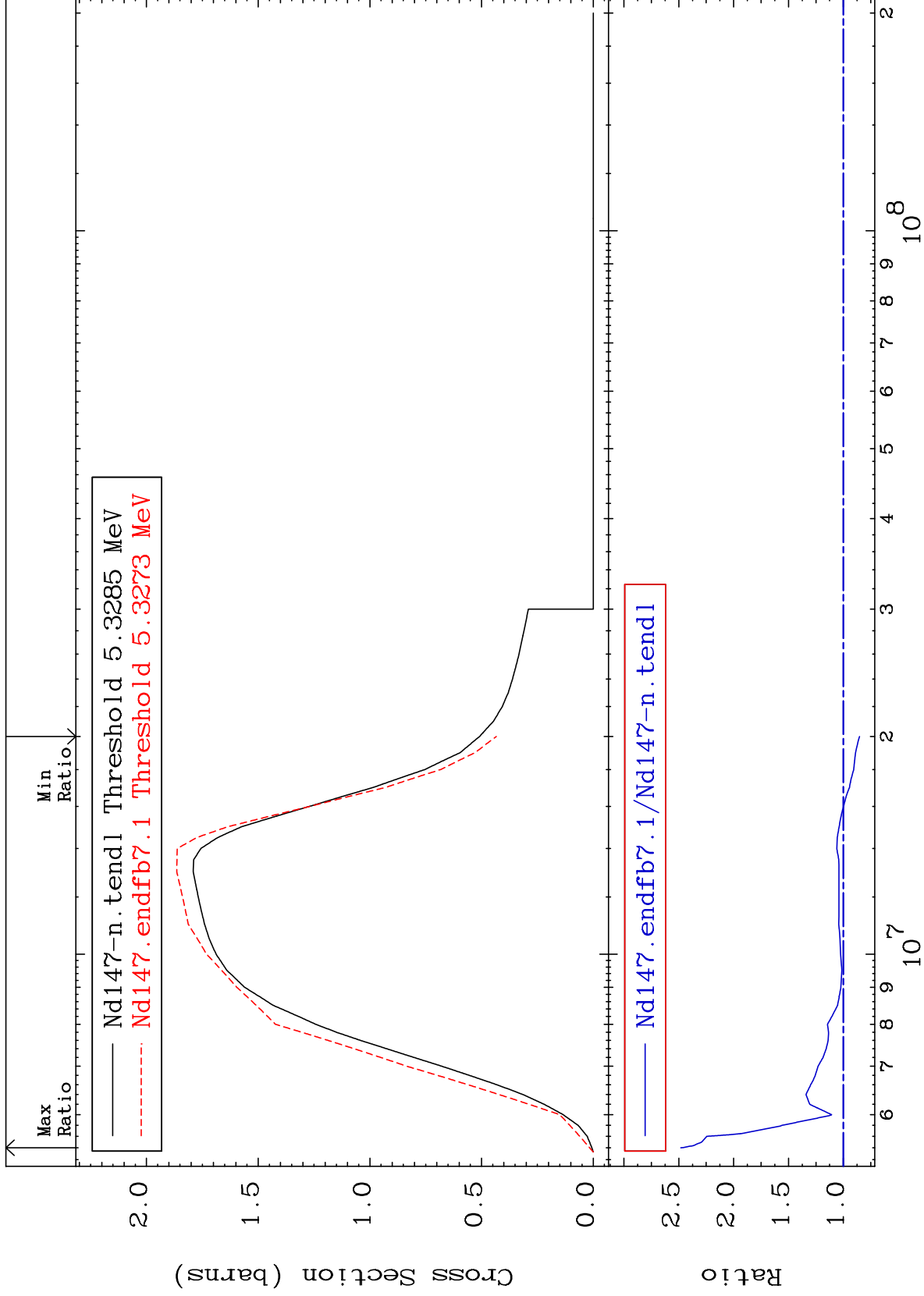
MAT 6040

(n,2n)

60-Nd-147

Cross Section

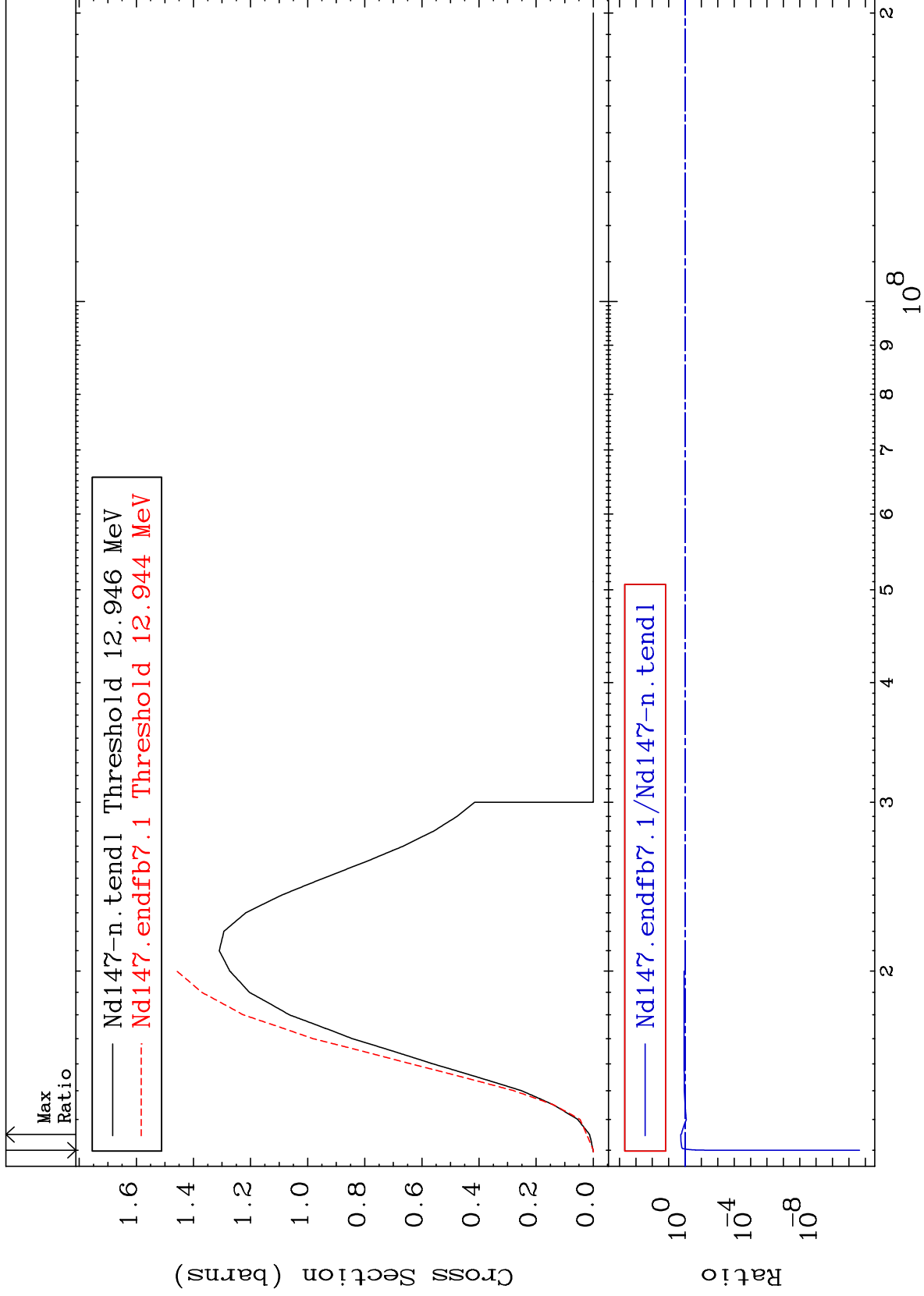
-14.73 To 148.2 %



MAT 6040

(n,3n)
Cross Section

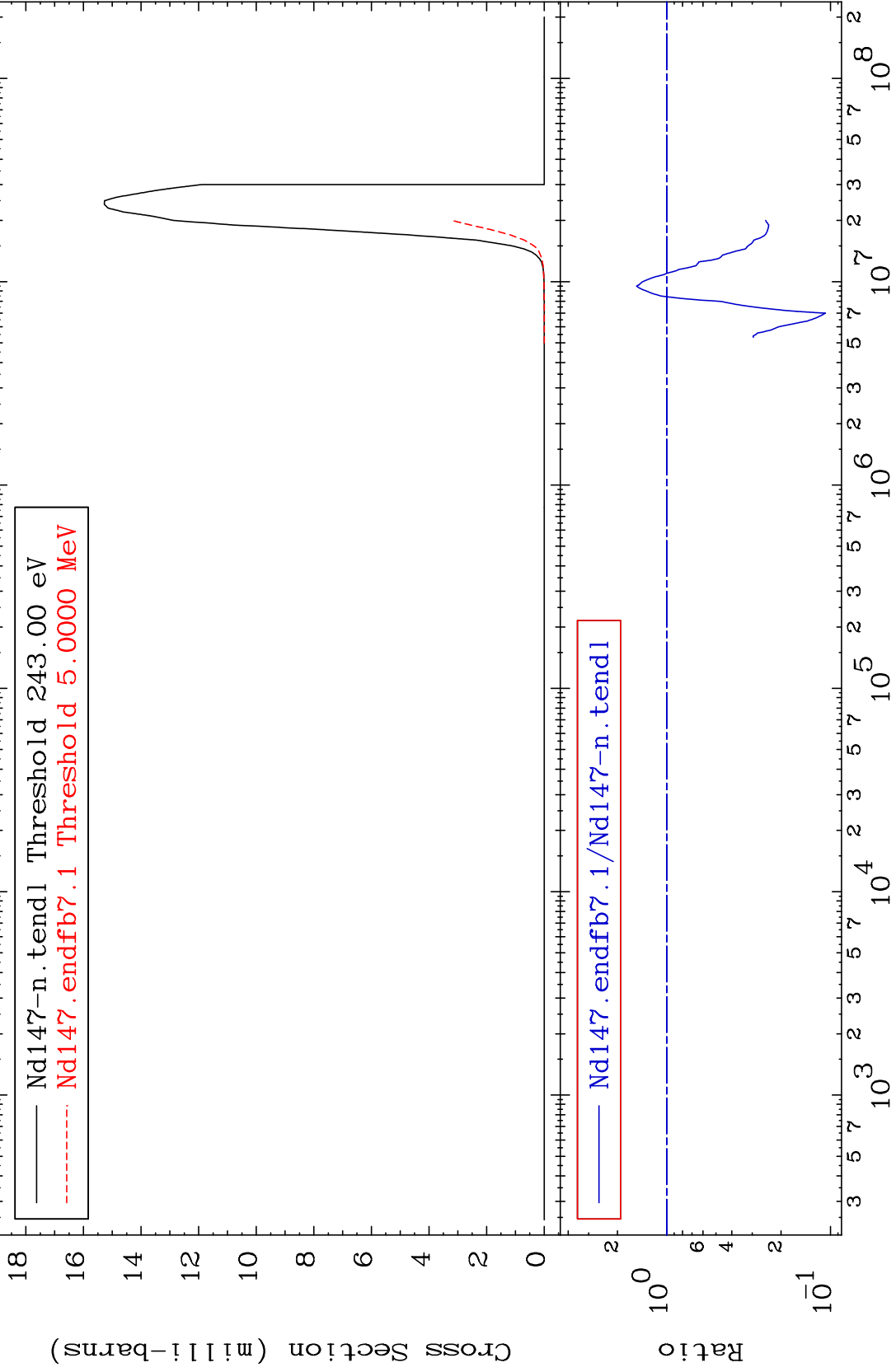
60-Nd-147
-100.0 To 82.05 %



MAT 6040

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

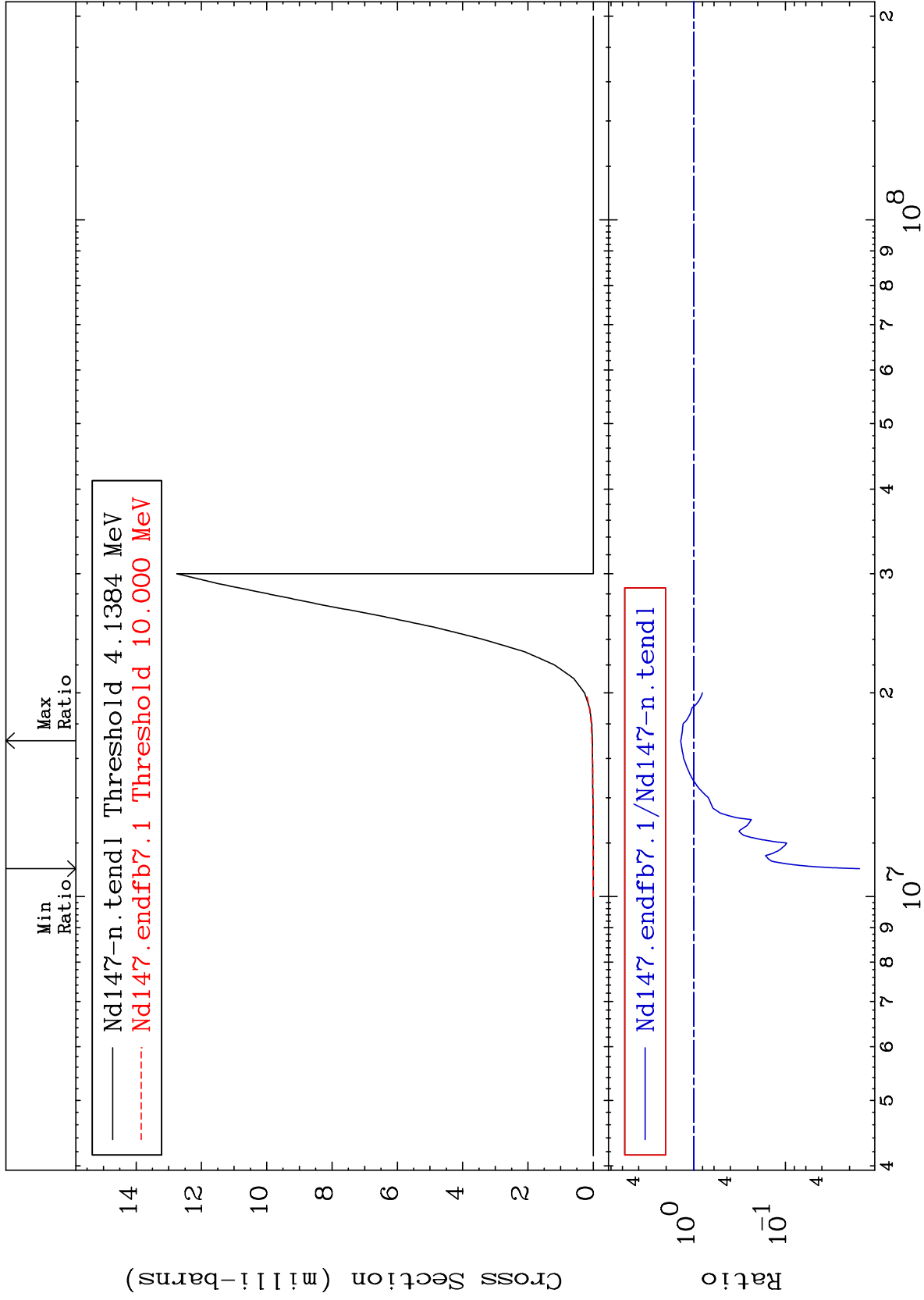
60-Nd-147
-89.28 To 52.64 %



MAT 6040

(n,2n) α
Cross Section

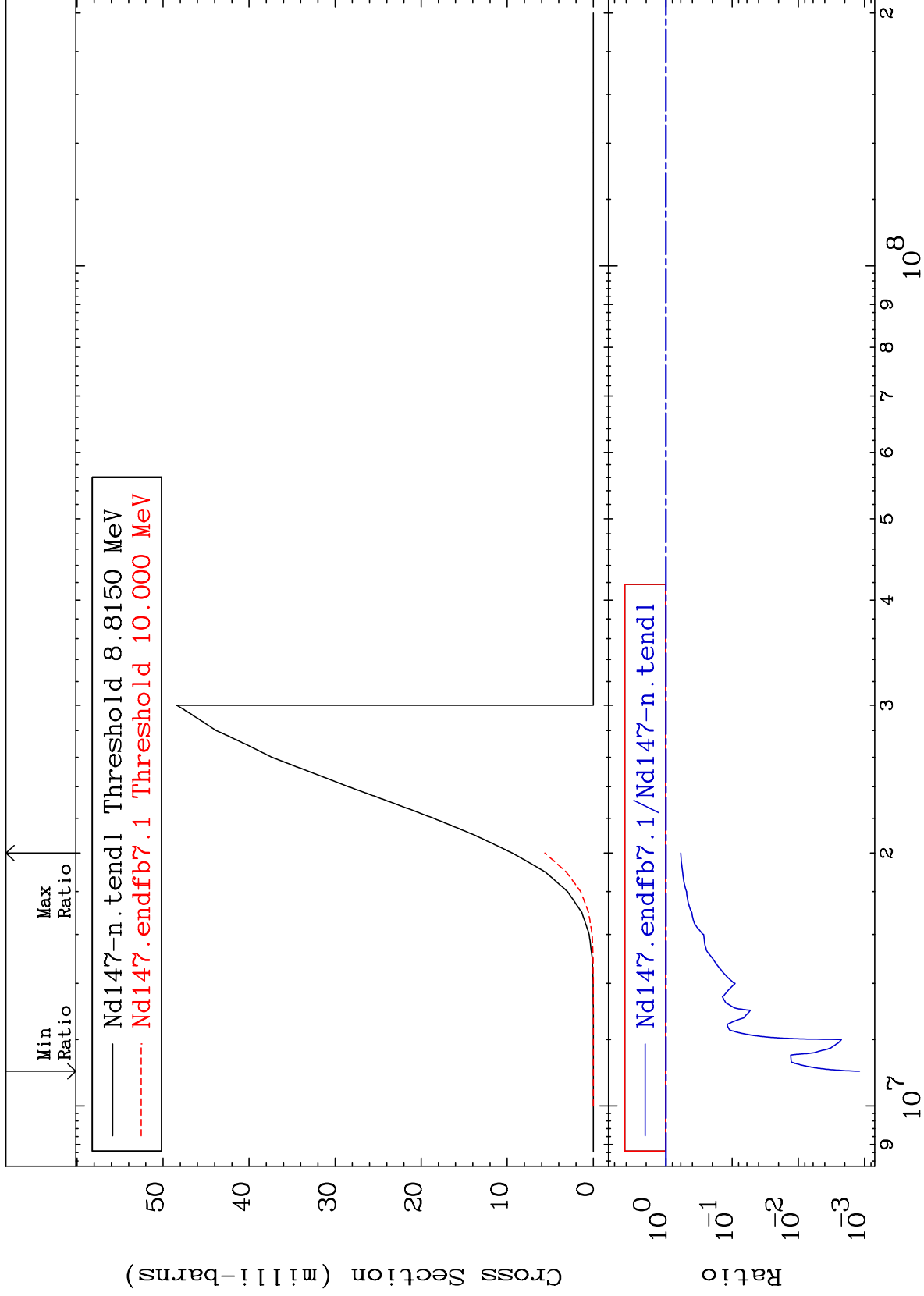
60-Nd-147
-98.45 To 38.70 %



MAT 6040

(n,n') p
Cross Section

60-Nd-147
-99.88 To -40.15%



8

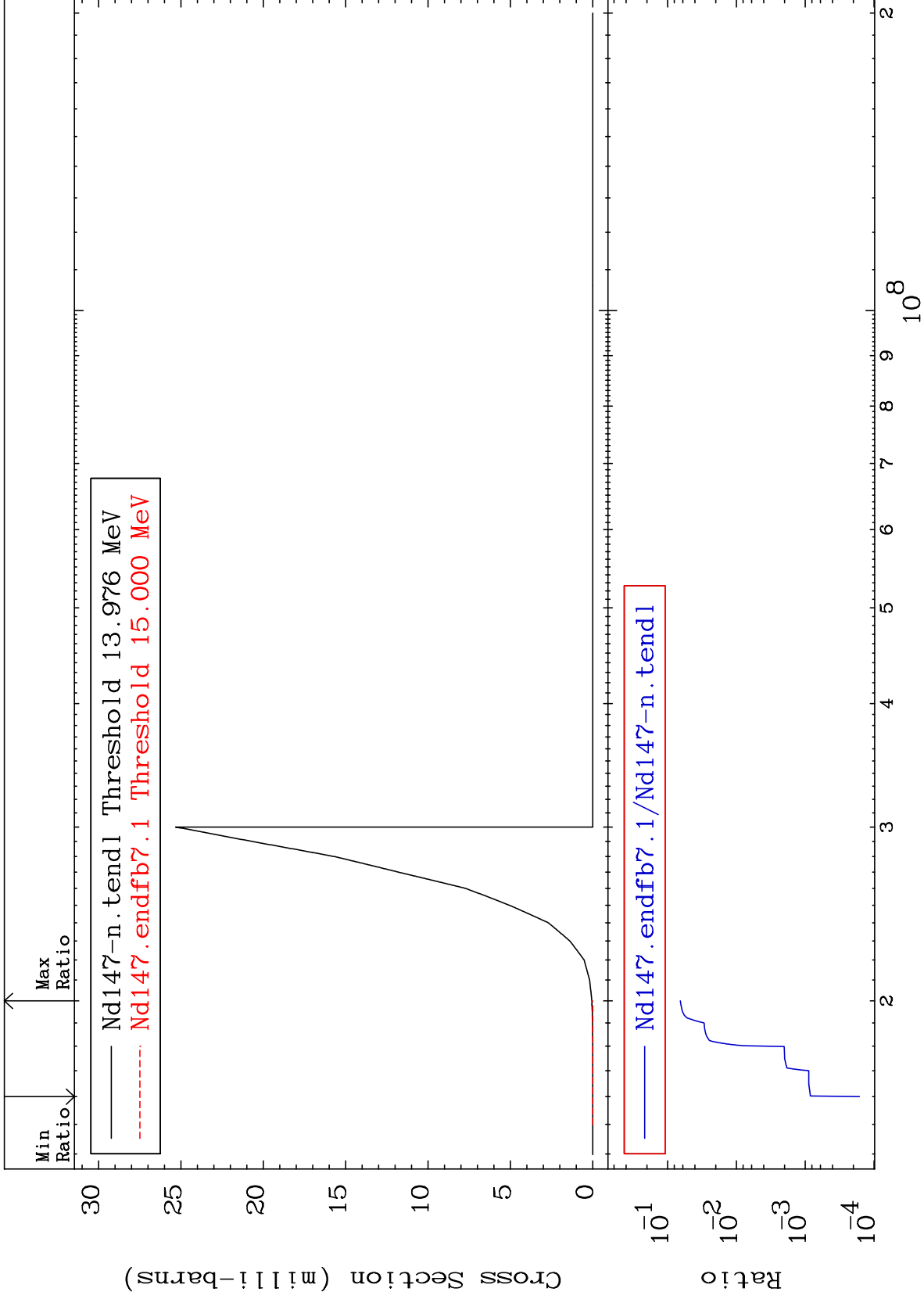
Incident Energy (eV)

60-Nd-147

MAT 6040

(n,2n) p
Cross Section

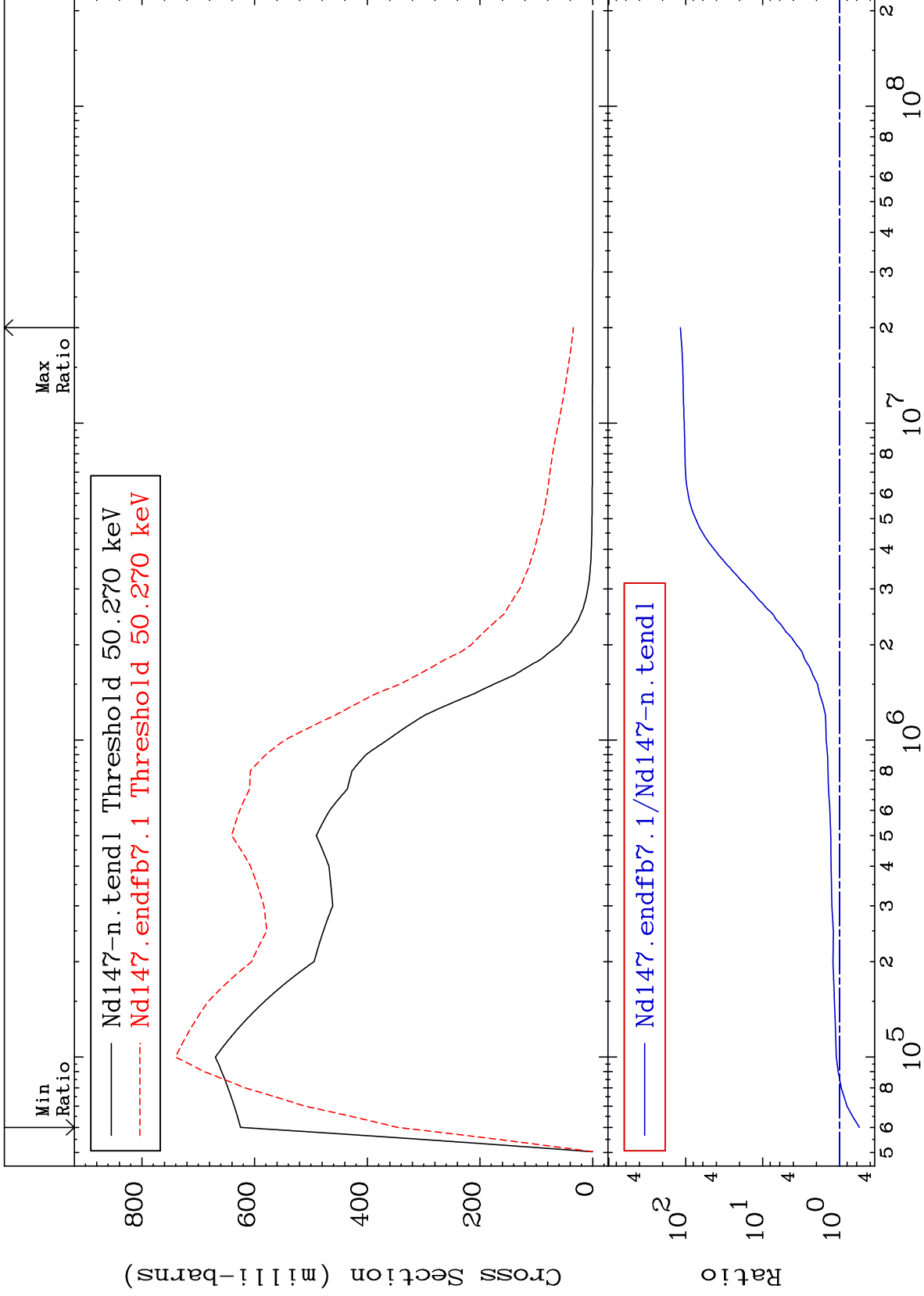
60-Nd-147
-99.98 To -93.47%



MAT 6040

49.93 keV (n,n') Level
Cross Section

60-Nd-147
-44.59 To 9999. %



10

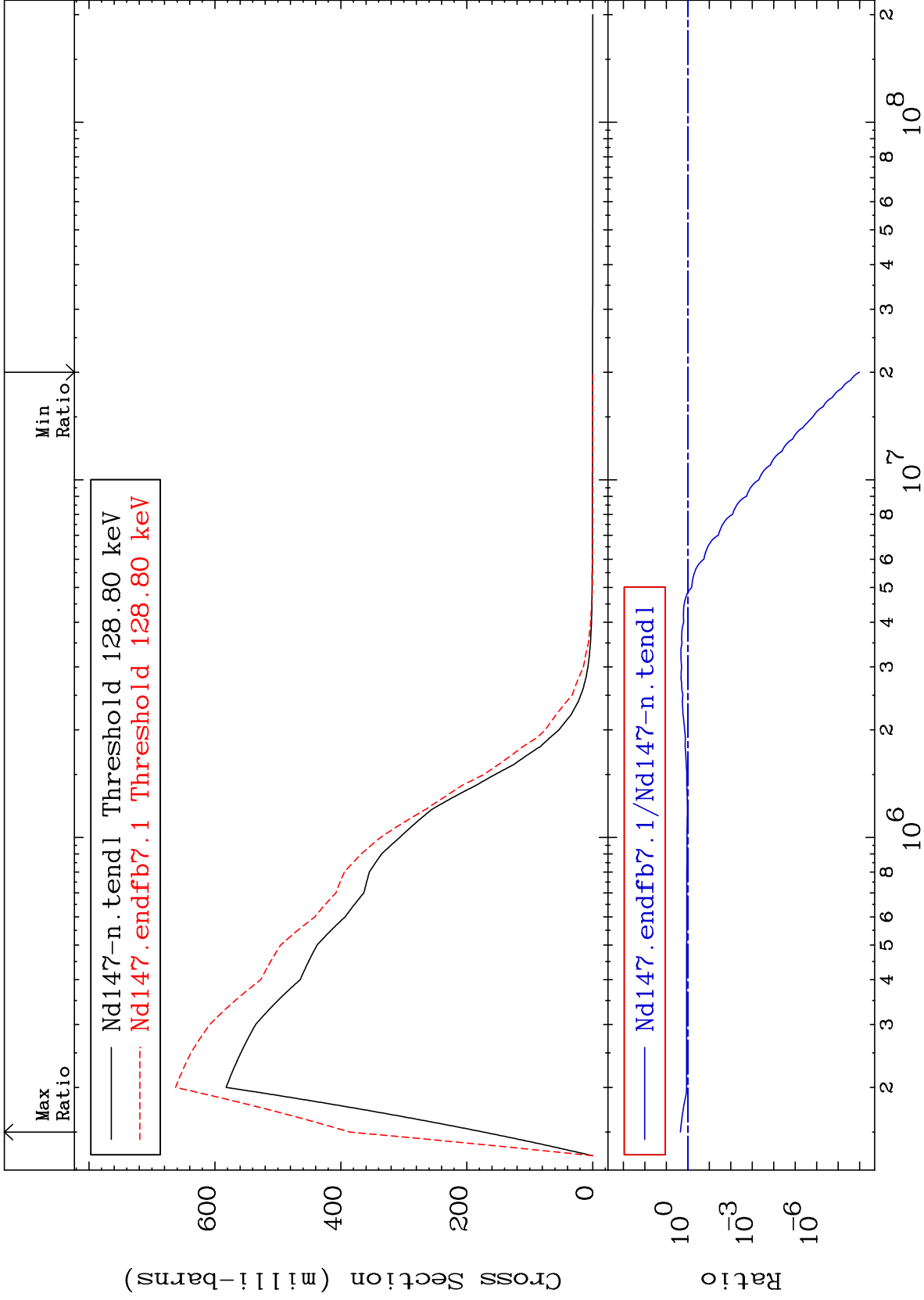
Incident Energy (eV)

60-Nd-147

MAT 6040

127.9 keV (n,n') Level
Cross Section

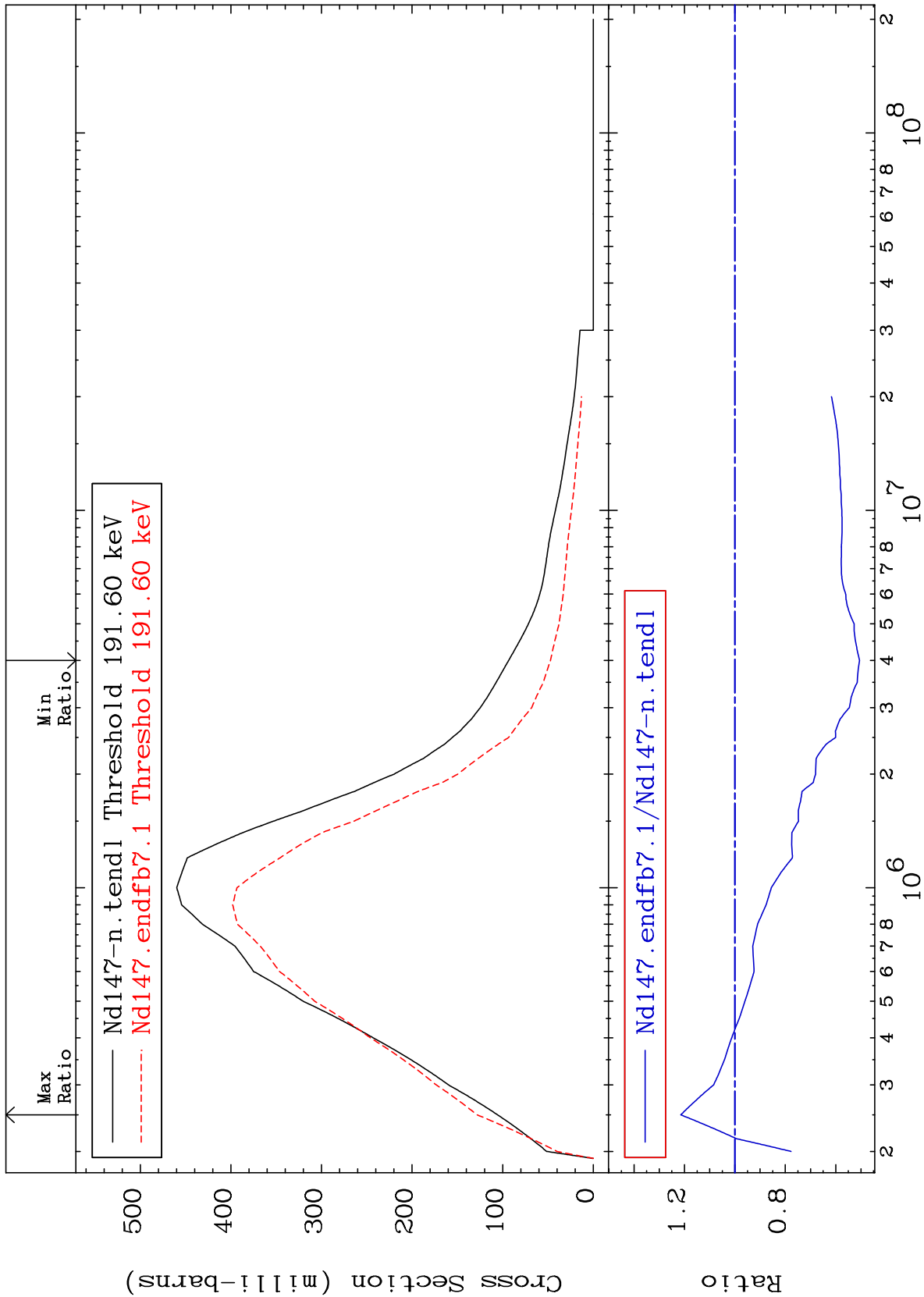
60-Nd-147
-100.0 To 122.5 %



11

60-Nd-147

MAT 6040 190.3 keV (n,n') Level 60-Nd-147
 Cross Section -49.45 To 21.47 %

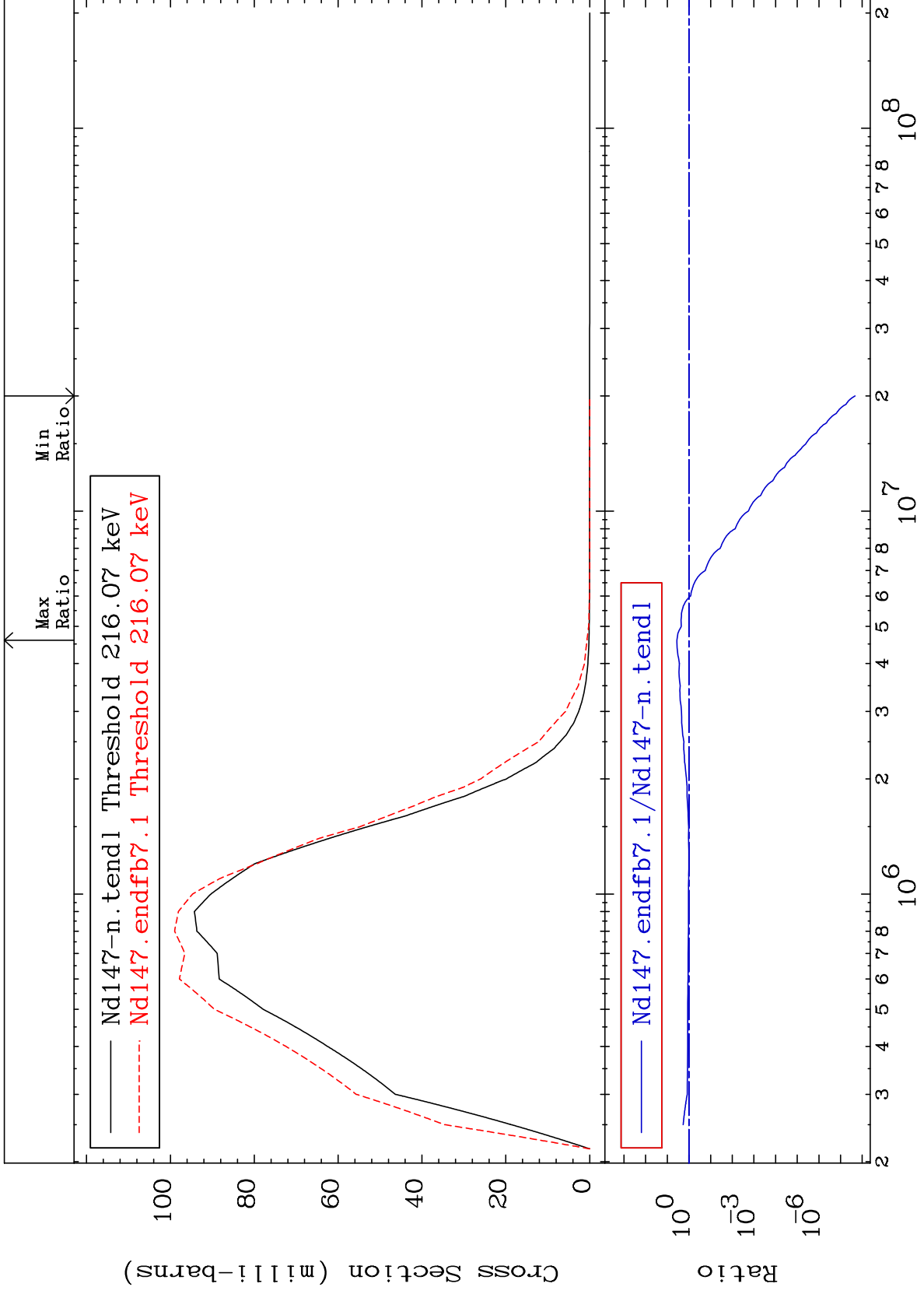


12 Incident Energy (eV) 60-Nd-147

MAT 6040

214.6 keV (n,n') Level
Cross Section

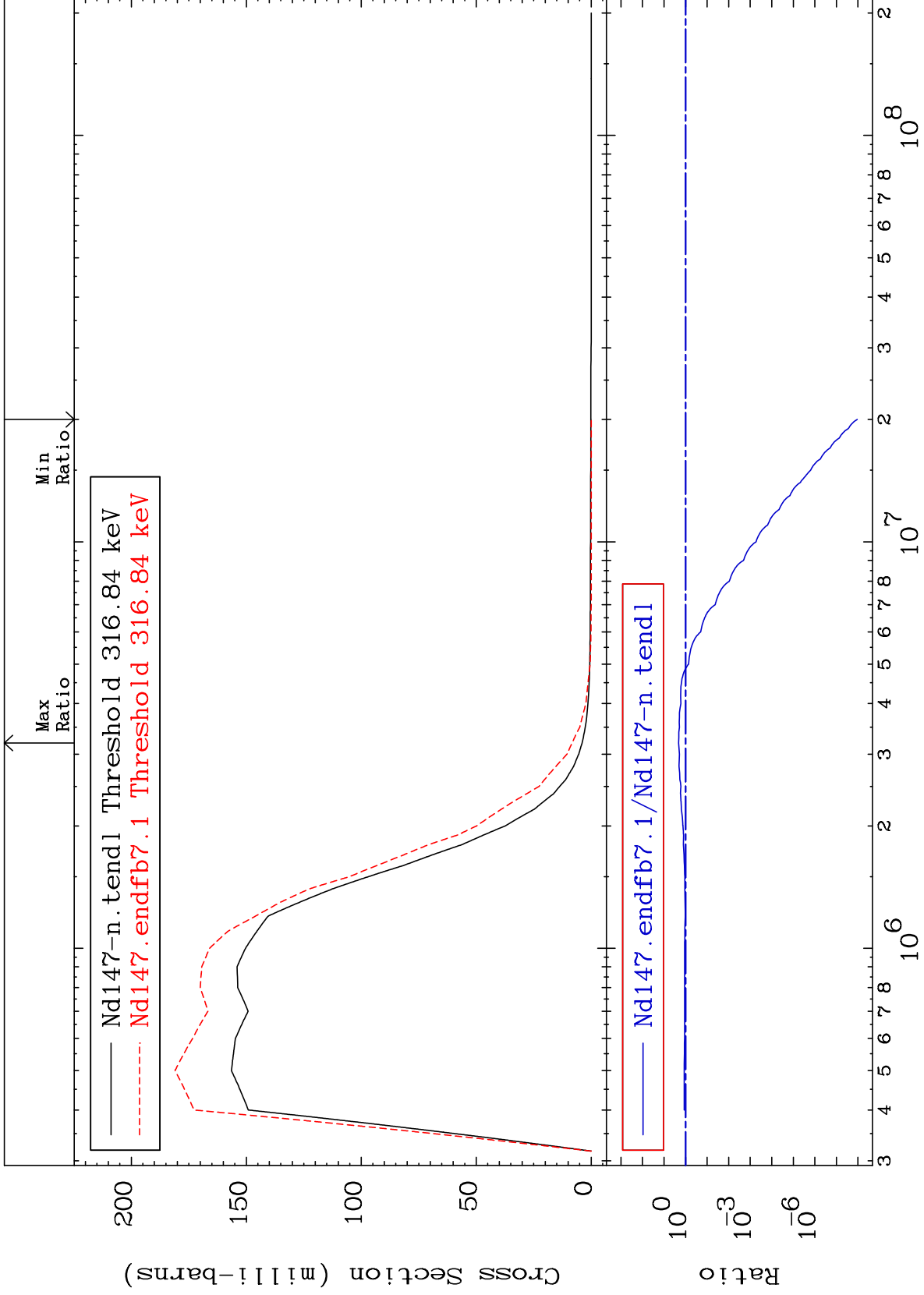
60-Nd-147
-100.0 To 259.1 %



MAT 6040

314.7 keV (n,n') Level
Cross Section

60-Nd-147
-100.0 To 110.3 %



14

Incident Energy (eV)

60-Nd-147

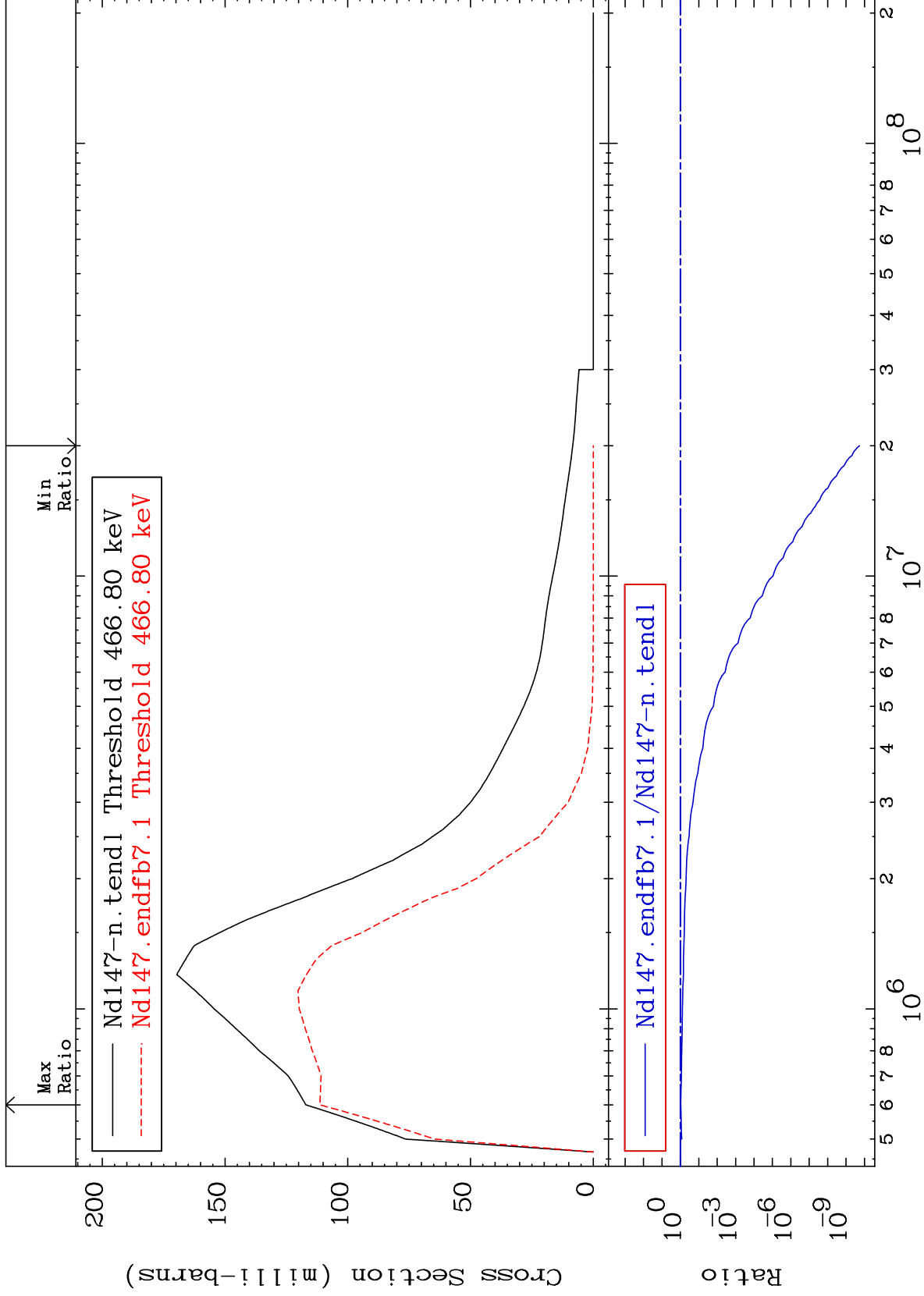
MAT 6040

463.6 keV (n,n') Level

60-Nd-147

-100.0 To -4.899%

Cross Section



15

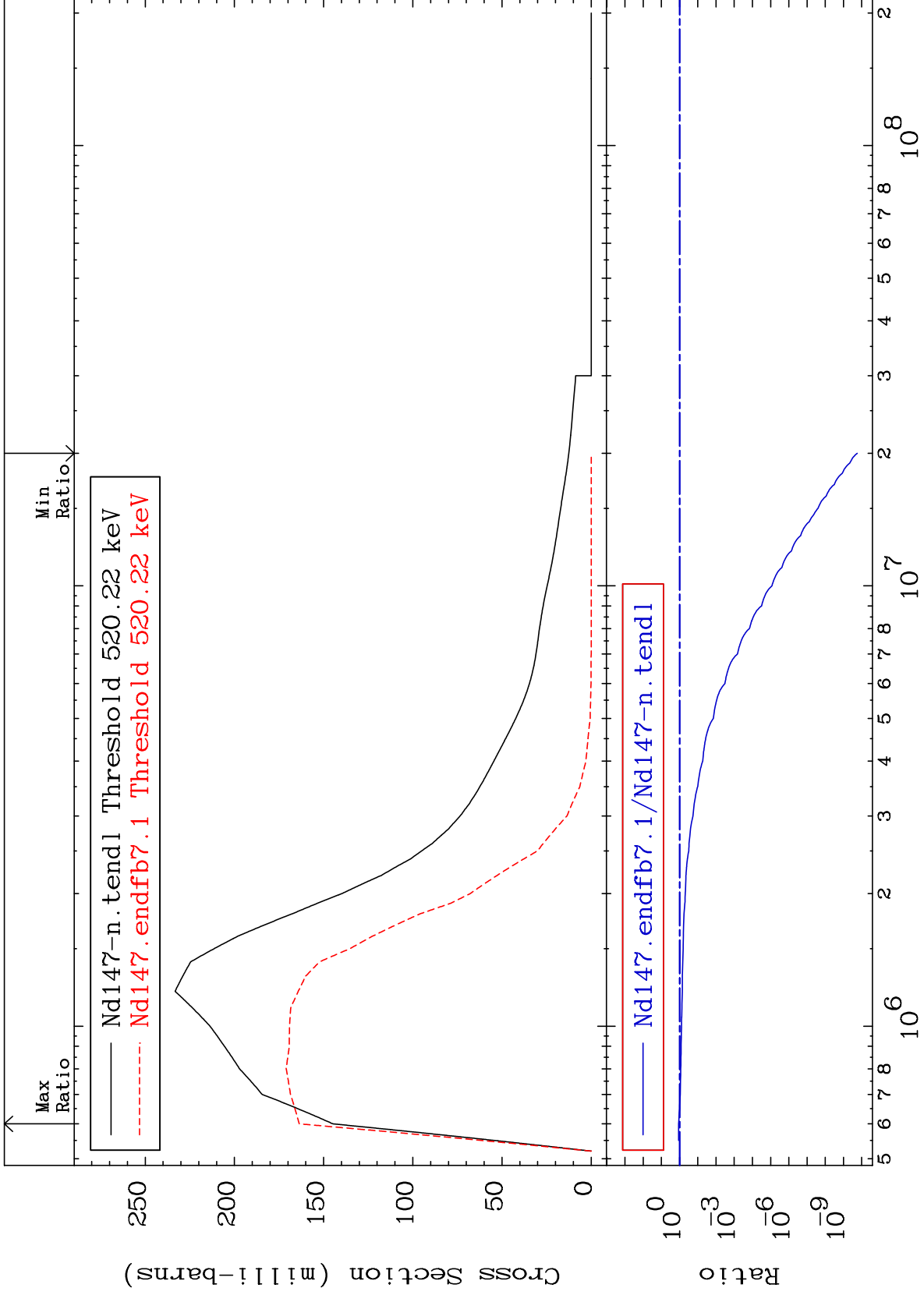
Incident Energy (eV)

60-Nd-147

MAT 6040

516.7 keV (n,n') Level
Cross Section

60-Nd-147
-100.0 To 13.05 %



16

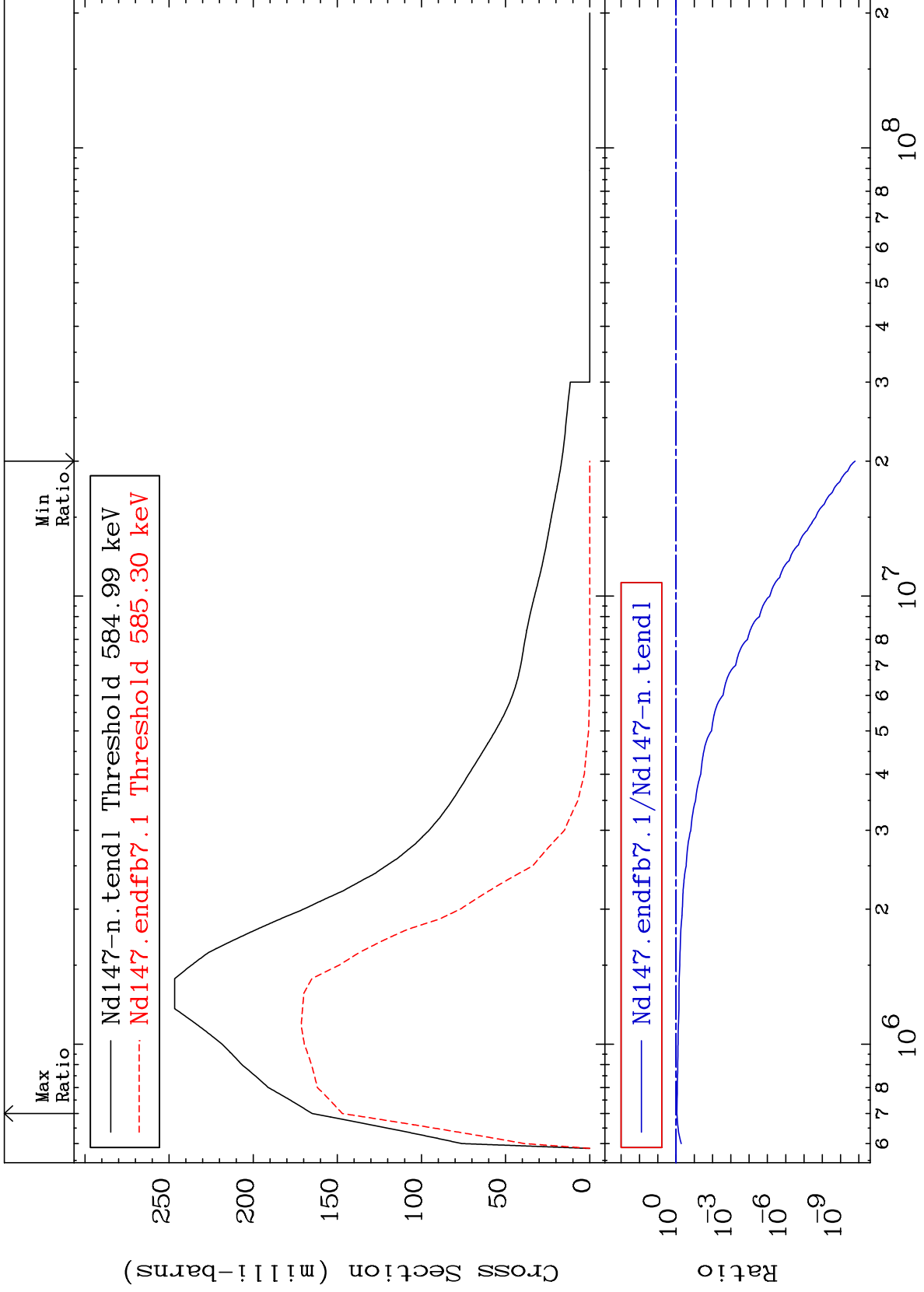
Incident Energy (eV)

60-Nd-147

MAT 6040

581.0 keV (n,n') Level
Cross Section

60-Nd-147
-100.0 To -10.88%



17

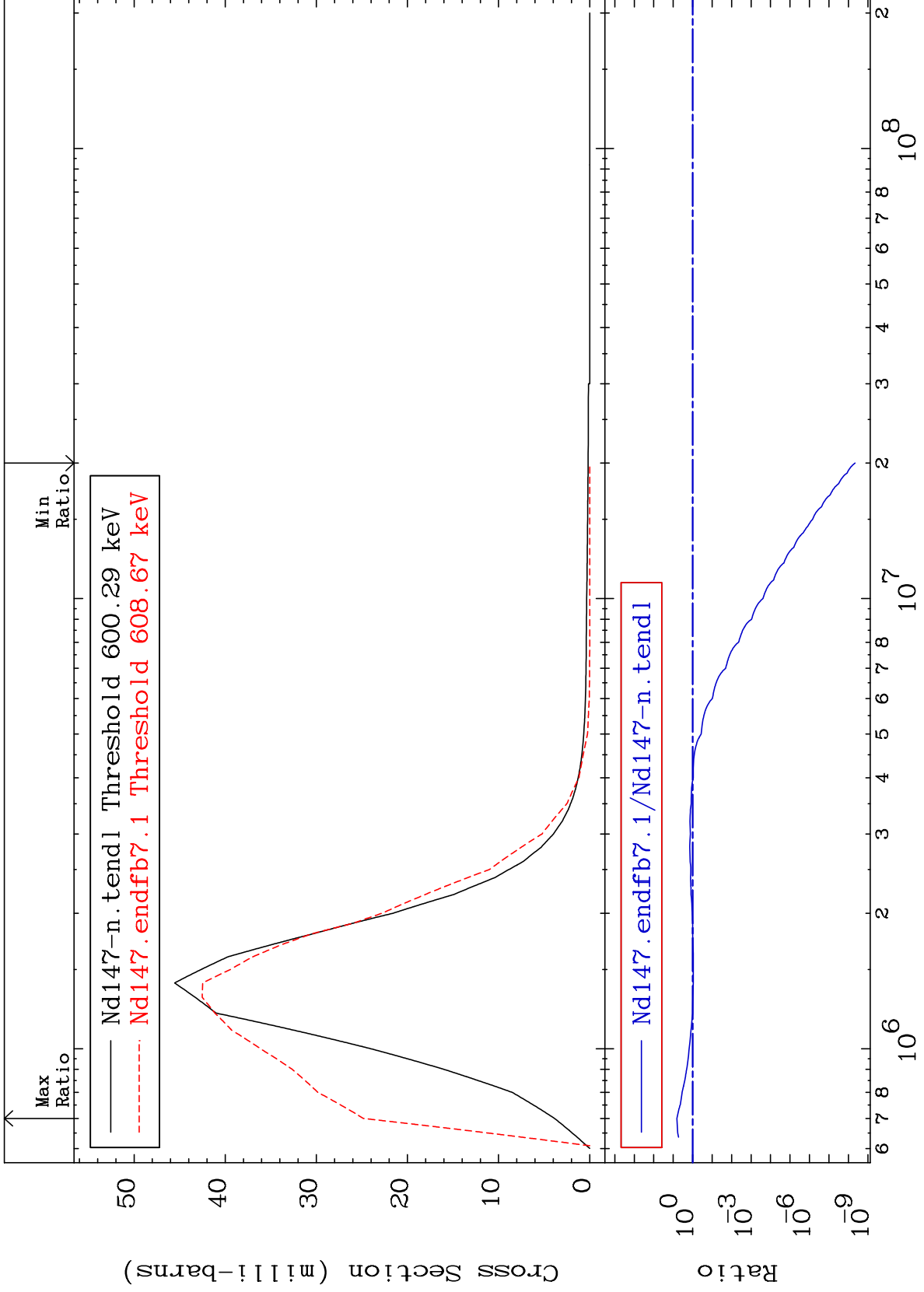
Incident Energy (eV)

60-Nd-147

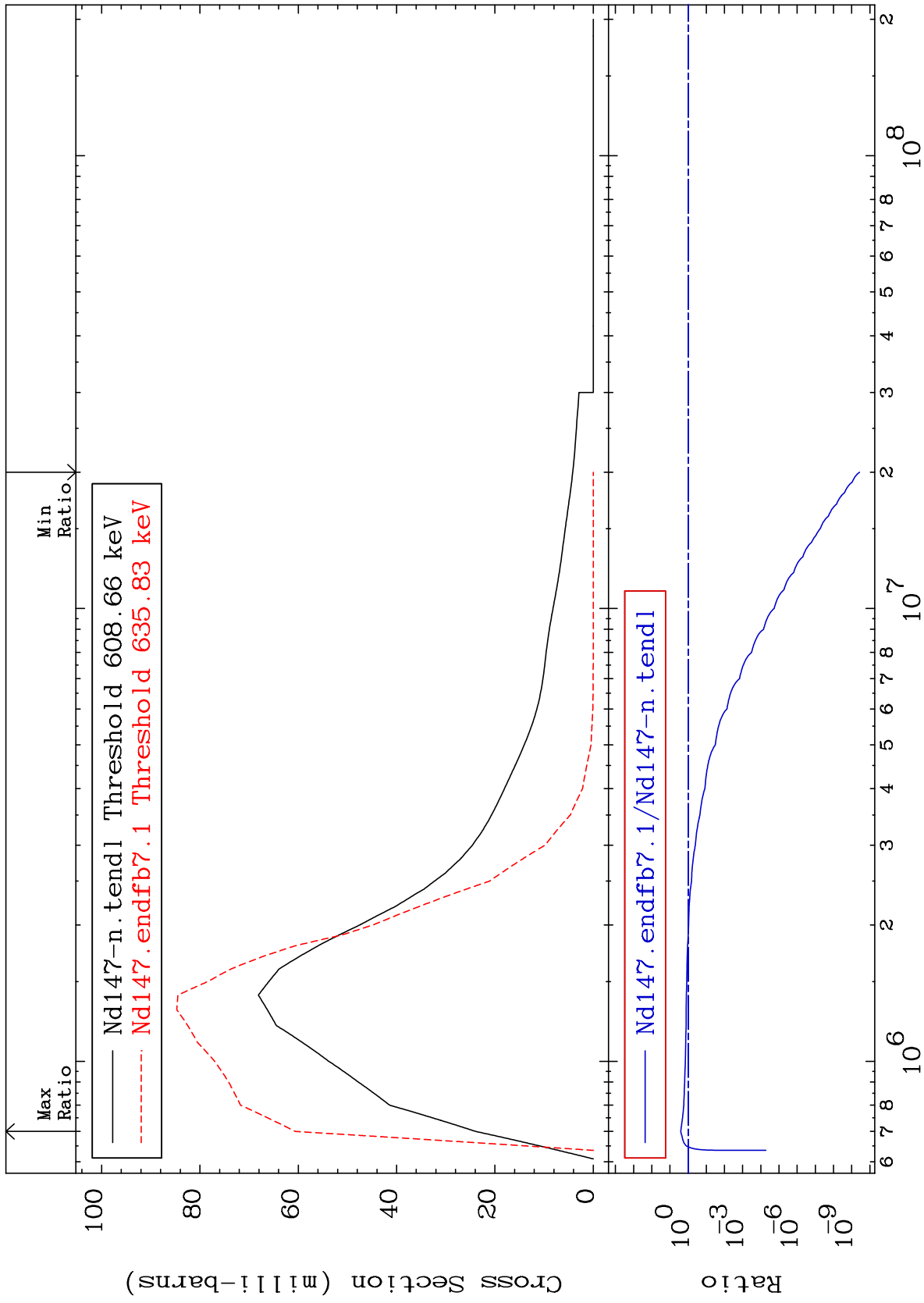
MAT 6040

596.2 keV (n,n') Level
Cross Section

60-Nd-147
-100.0 To 544.1 %



MAT 6040 604.5 keV (n,n') Level 60-Nd-147
 Cross Section -100.0 To 153.7 %



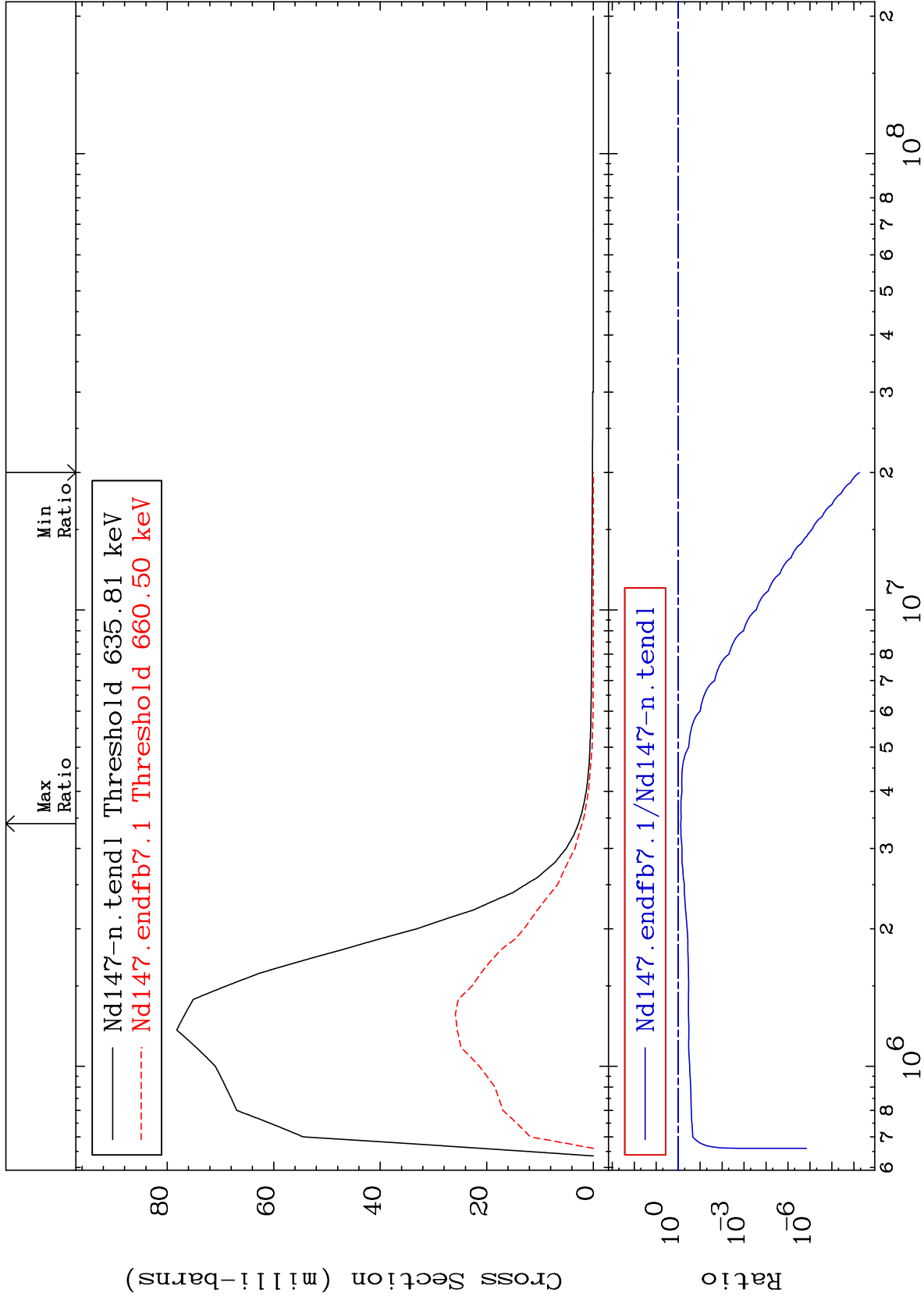
MAT 6040

631.5 keV (n,n') Level

60-Nd-147

-100.0 To -23.94%

Cross Section



20

Incident Energy (eV)

60-Nd-147

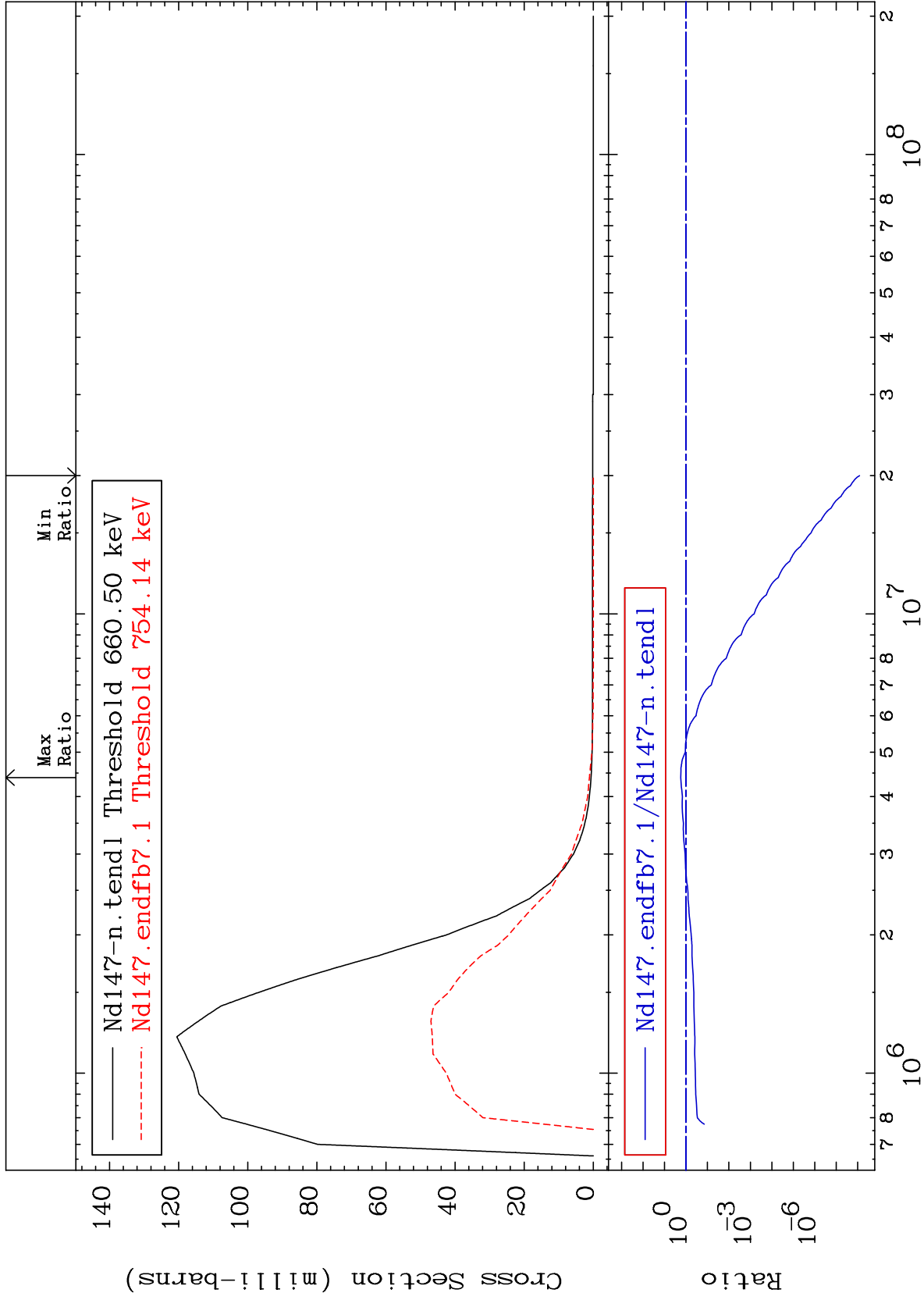
MAT 6040

656.0 keV (n,n') Level

60-Nd-147

-100.0 To 74.75 %

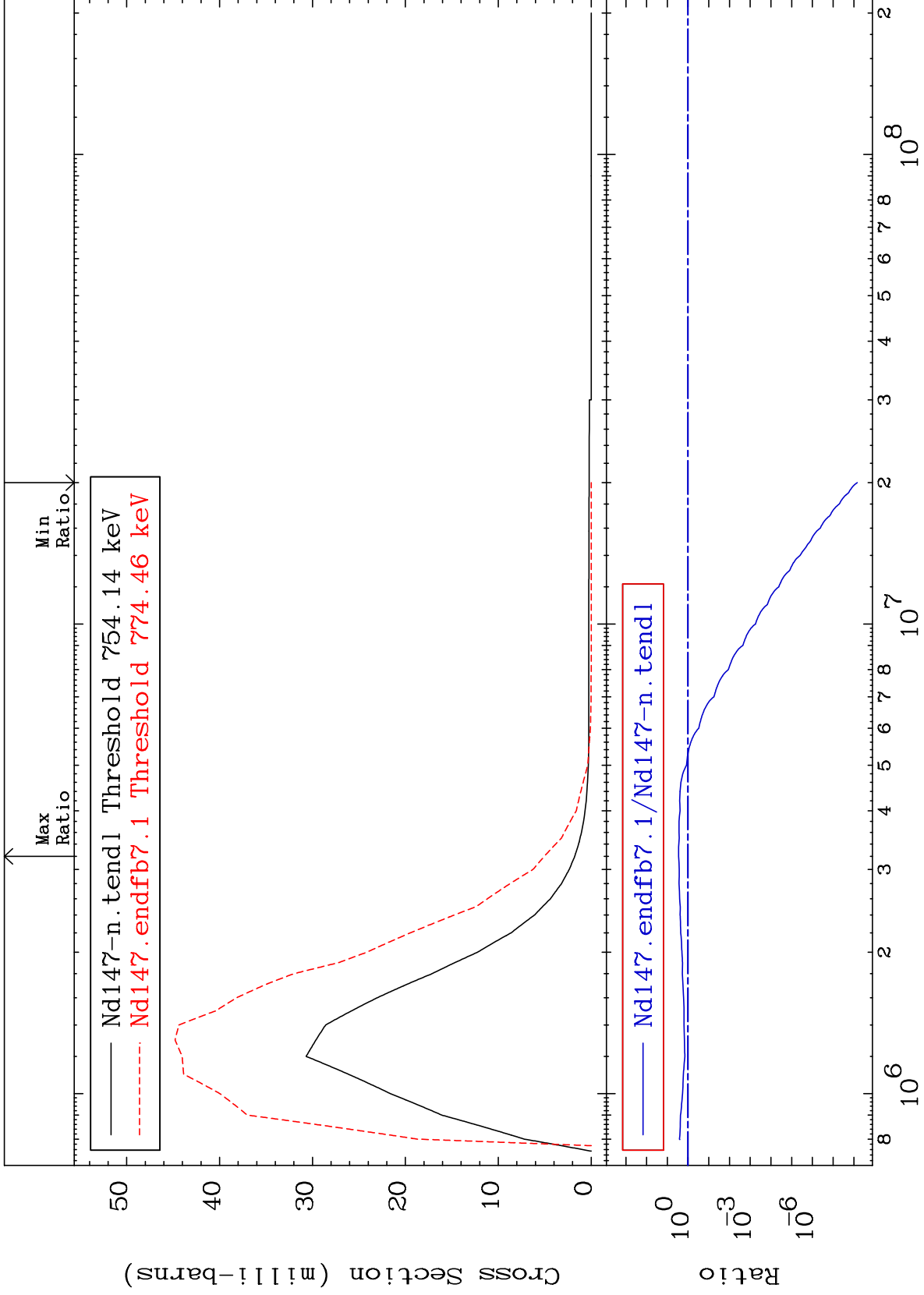
Cross Section



MAT 6040

749.0 keV (n,n') Level
Cross Section

60-Nd-147
-100.0 To 184.5 %



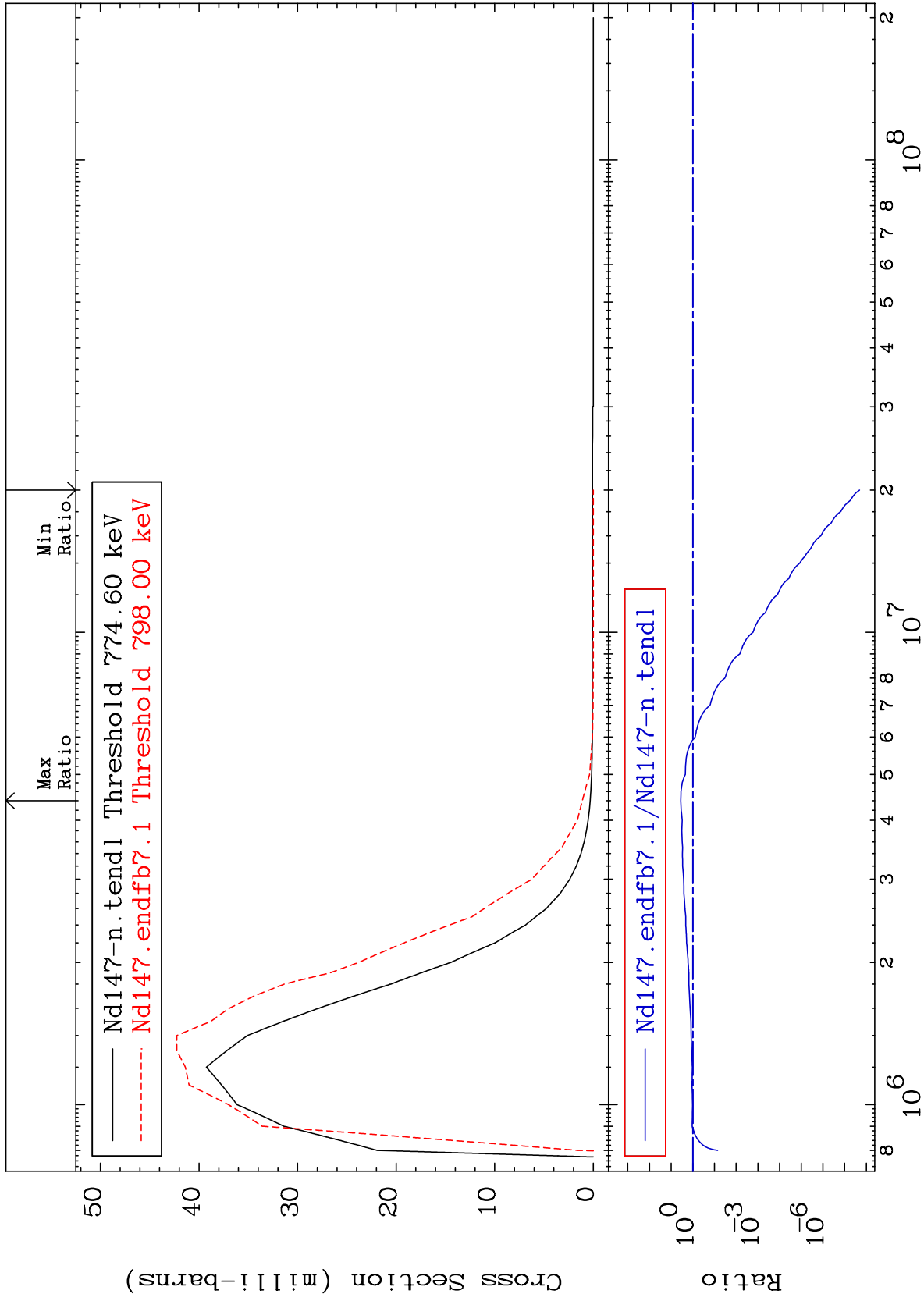
MAT 6040

769.3 keV (n,n') Level

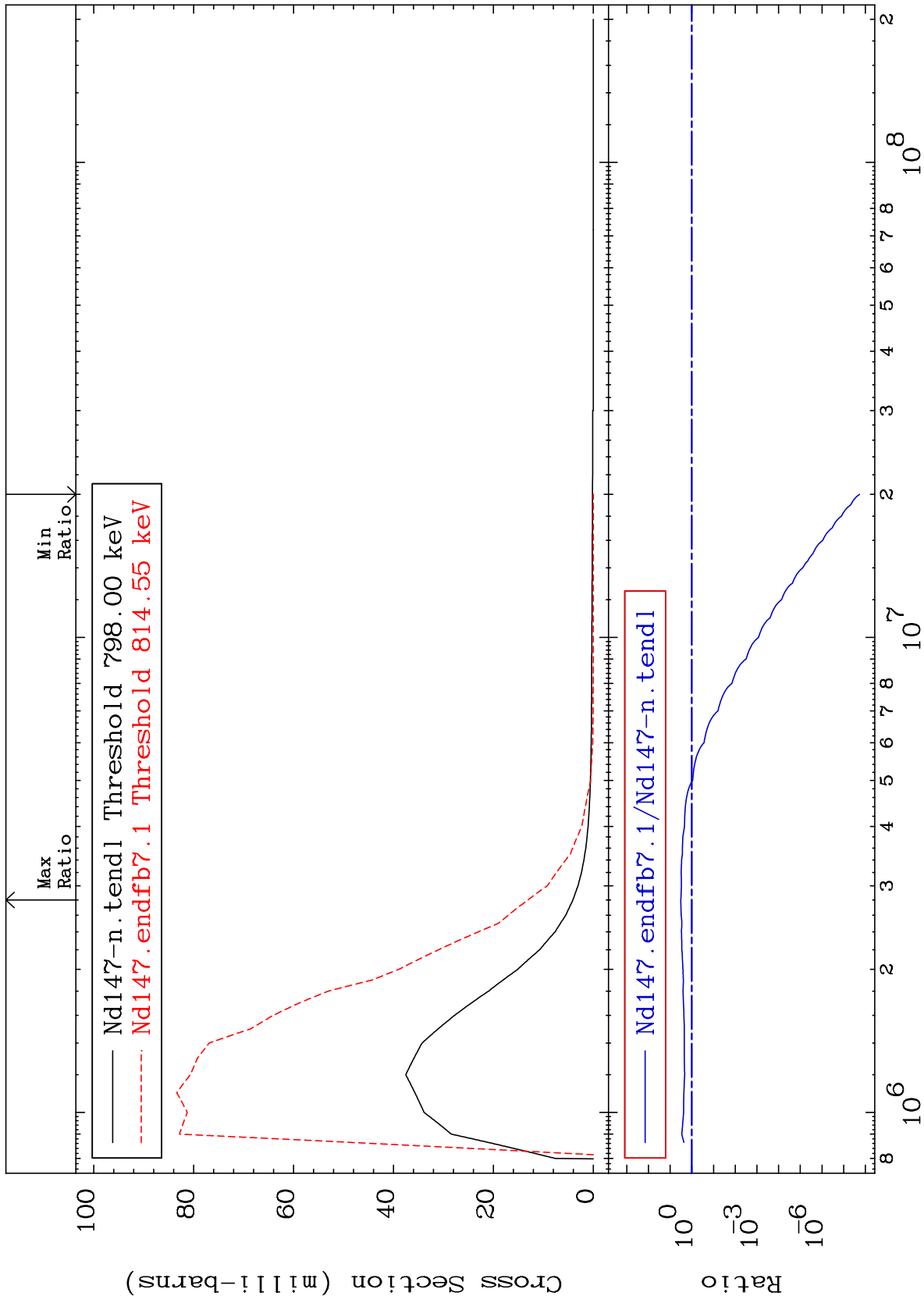
60-Nd-147

-100.0 To 258.7 %

Cross Section



MAT 6040 792.6 keV (n,n') Level 60-Nd-147
 Cross Section -100.0 To 223.1 %



24 Incident Energy (eV) 60-Nd-147

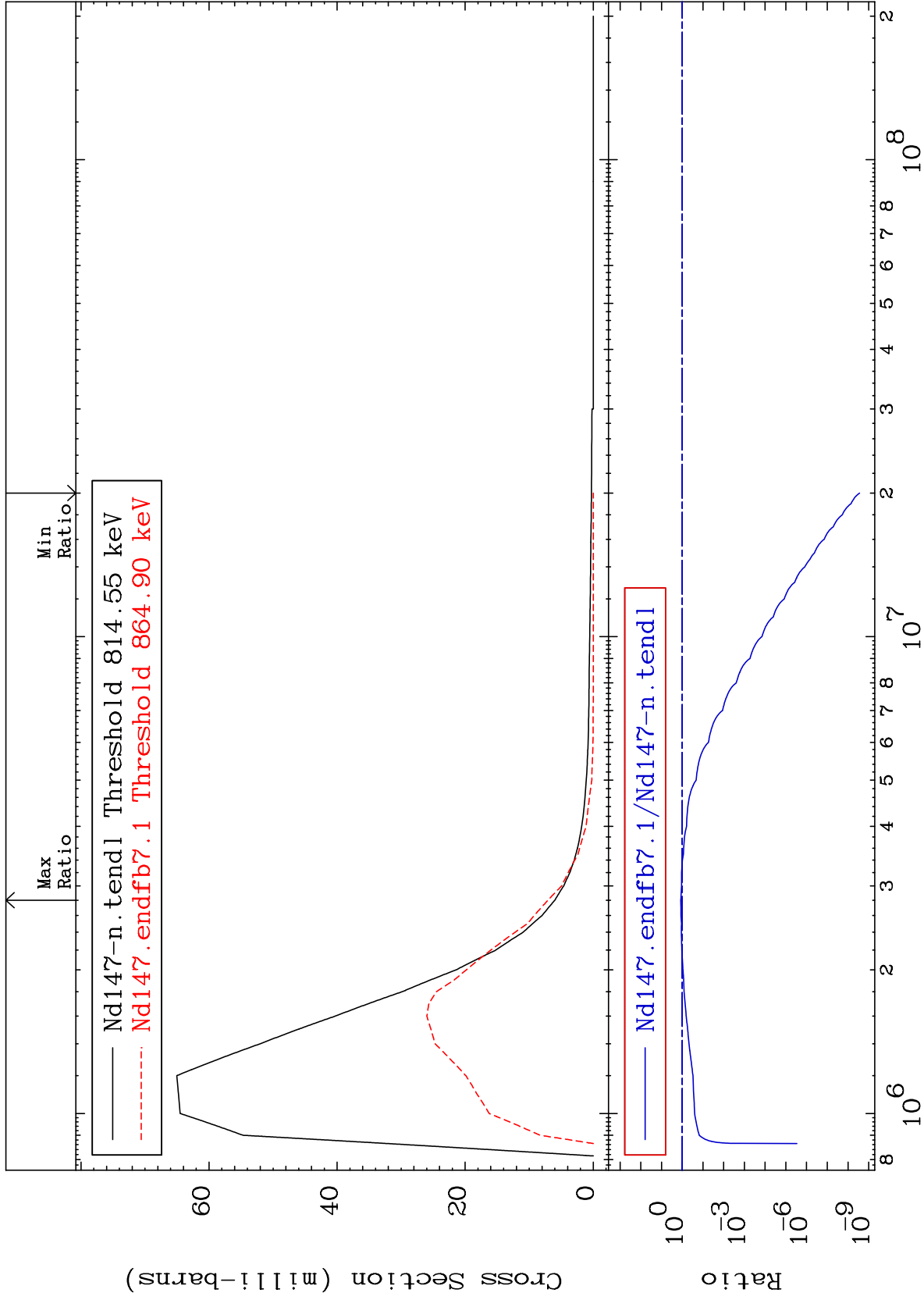
MAT 6040

809.0 keV (n,n') Level

60-Nd-147

-100.0 To 17.86 %

Cross Section



25

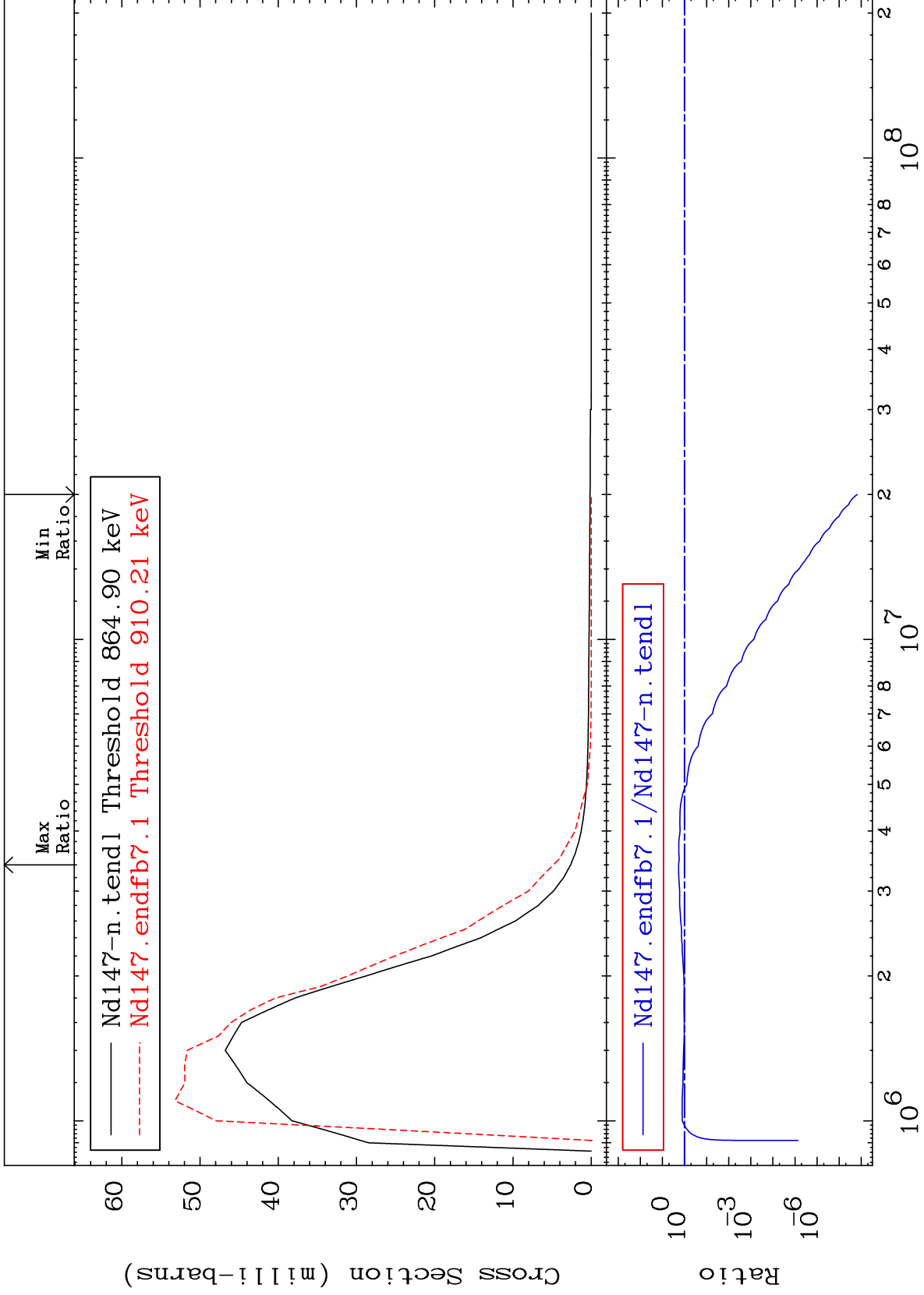
Incident Energy (eV)

60-Nd-147

MAT 6040

859.0 keV (n,n') Level
Cross Section

60-Nd-147
-100.0 To 84.37 %



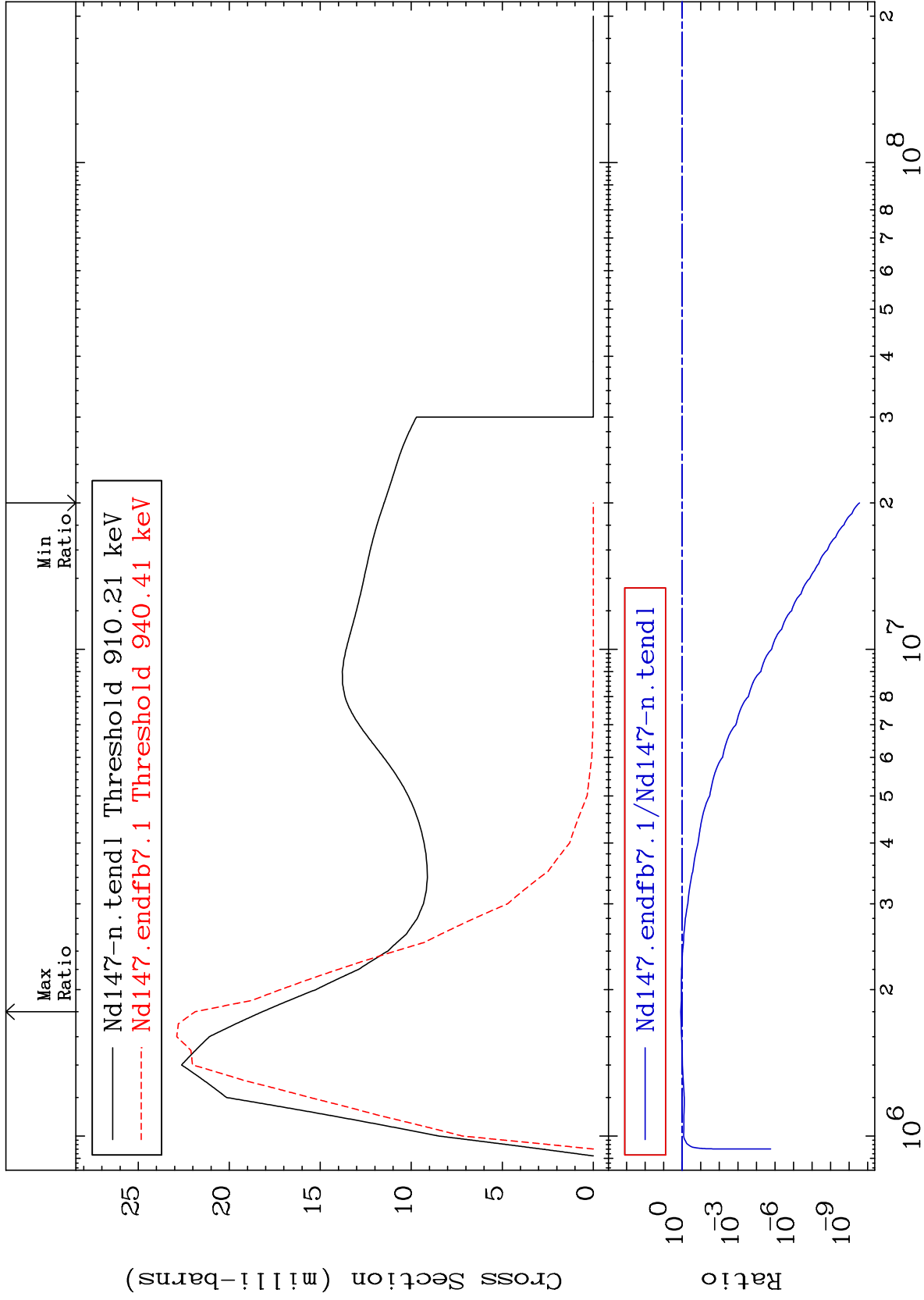
MAT 6040

904.0 keV (n,n') Level

60-Nd-147

-100.0 To 20.30 %

Cross Section



27

Incident Energy (eV)

60-Nd-147

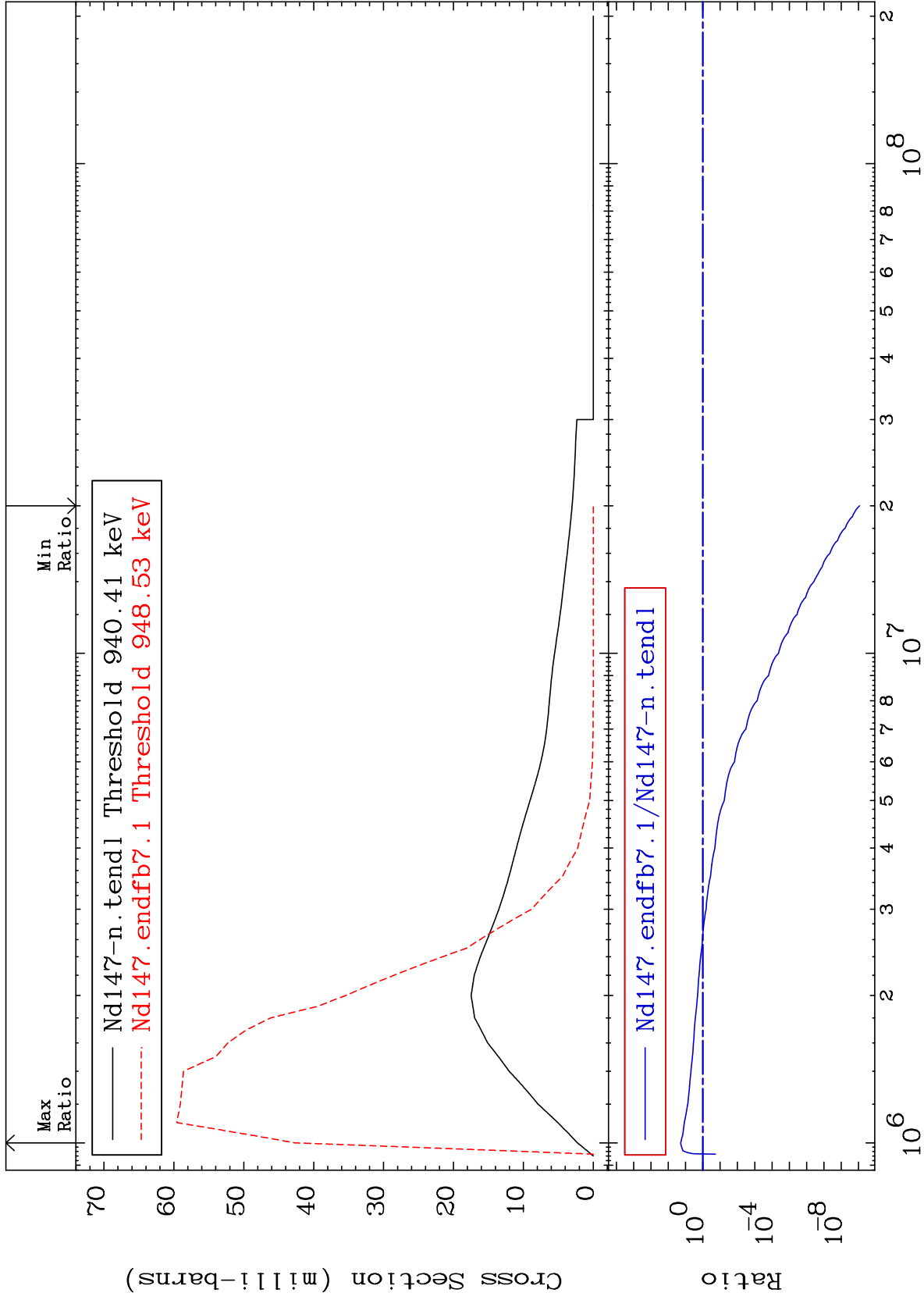
MAT 6040

934.0 keV (n,n') Level

60-Nd-147

-100.0 To 1784. %

Cross Section



28

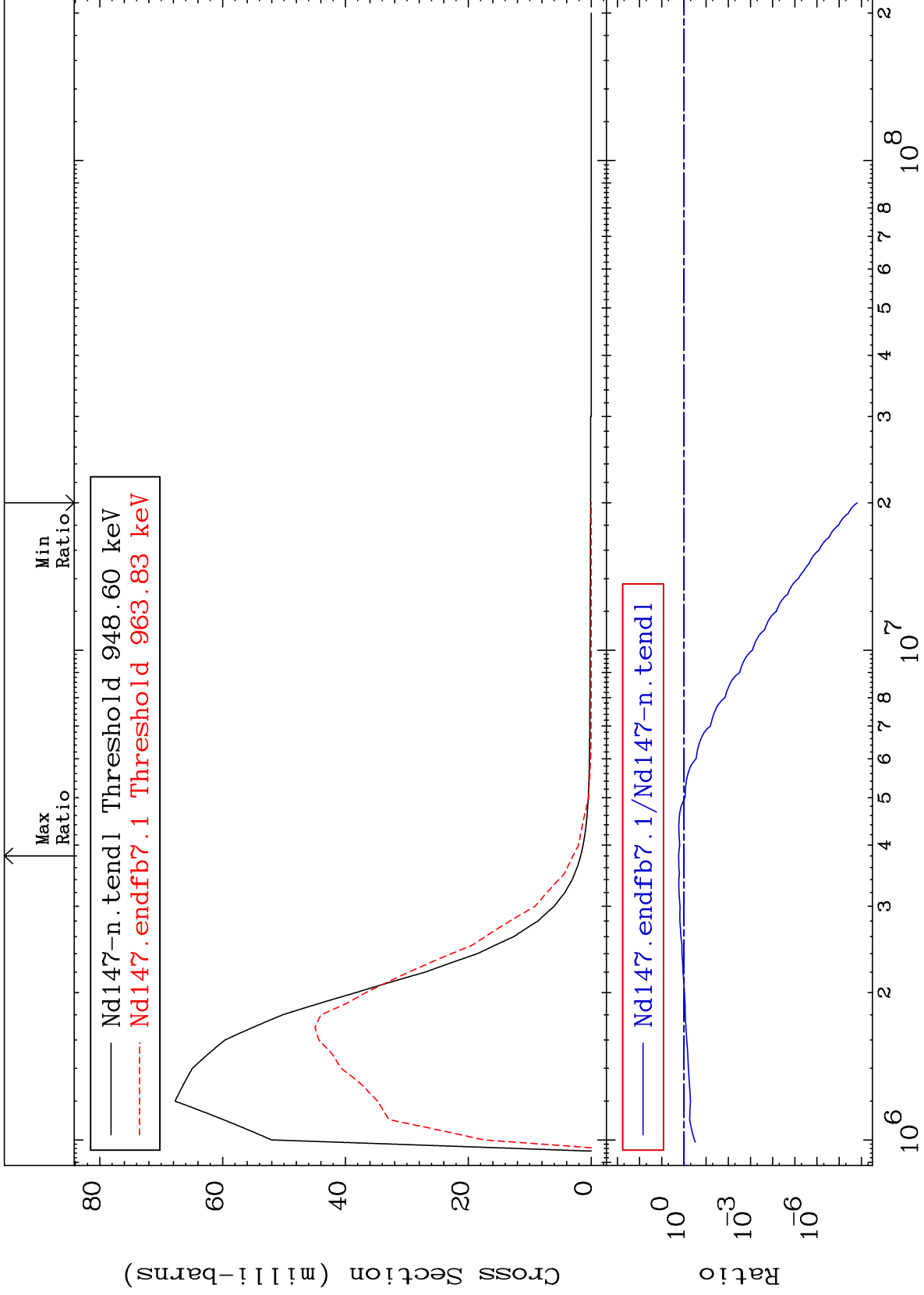
Incident Energy (eV)

60-Nd-147

MAT 6040

942.1 keV (n,n') Level
Cross Section

60-Nd-147
-100.0 To 73.38 %



29

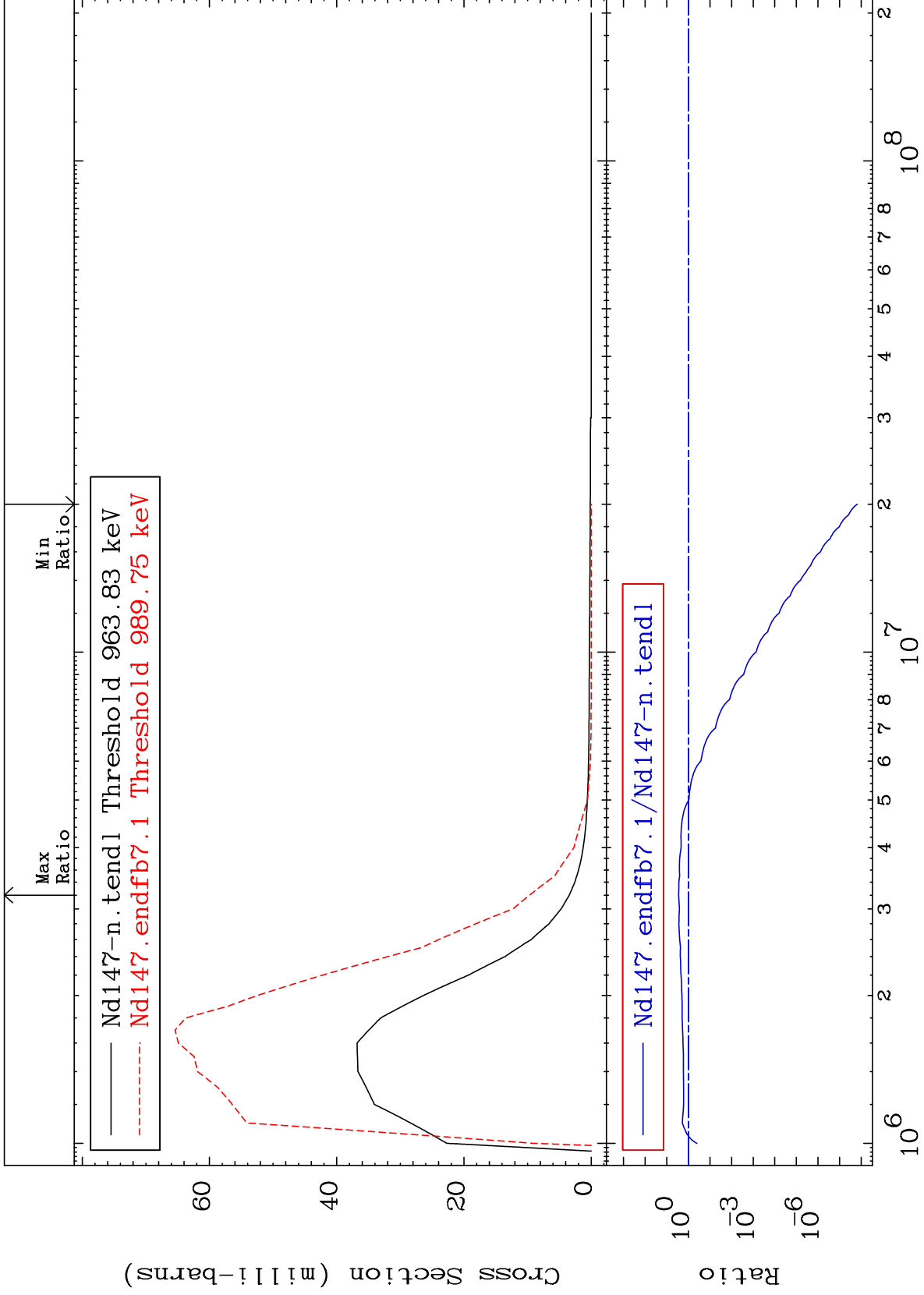
Incident Energy (eV)

60-Nd-147

MAT 6040

957.3 keV (n,n') Level
Cross Section

60-Nd-147
-100.0 To 181.4 %



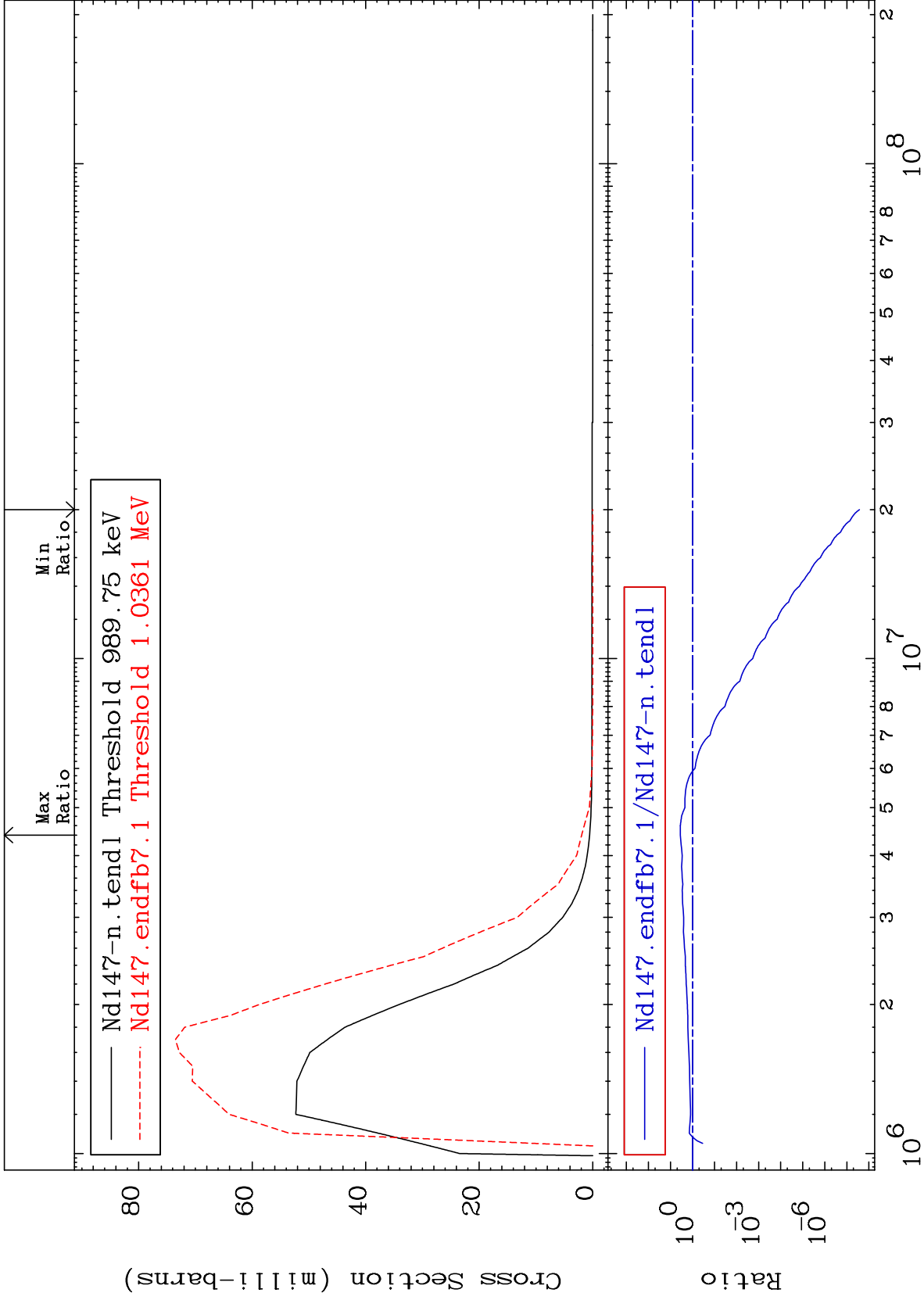
Incident Energy (eV)

60-Nd-147

MAT 6040

983.0 keV (n,n') Level
Cross Section

60-Nd-147
-100.0 To 256.6 %



31

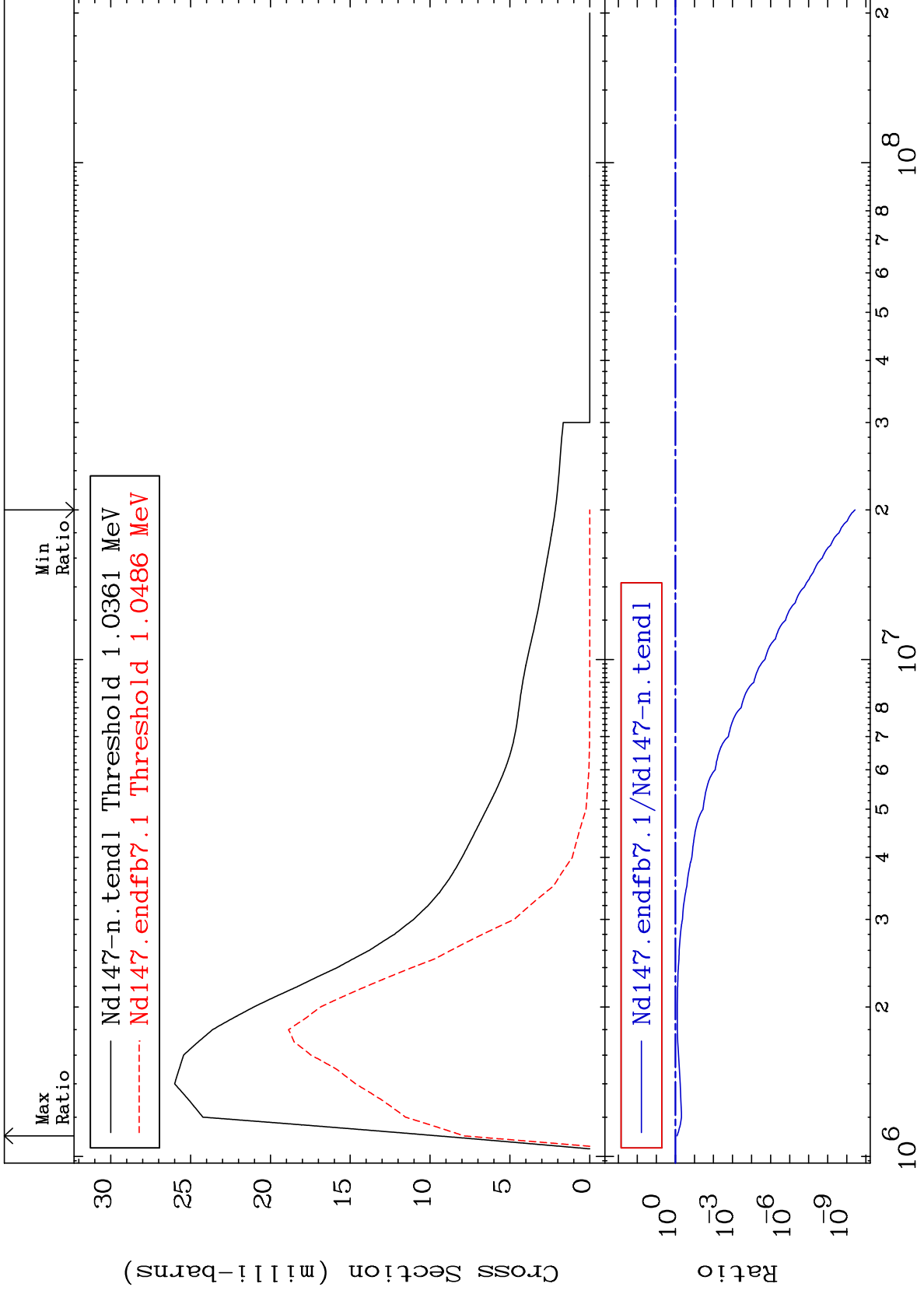
Incident Energy (eV)

60-Nd-147

MAT 6040

1.029 MeV (n,n') Level
Cross Section

60-Nd-147
-100.0 To -16.85%



32

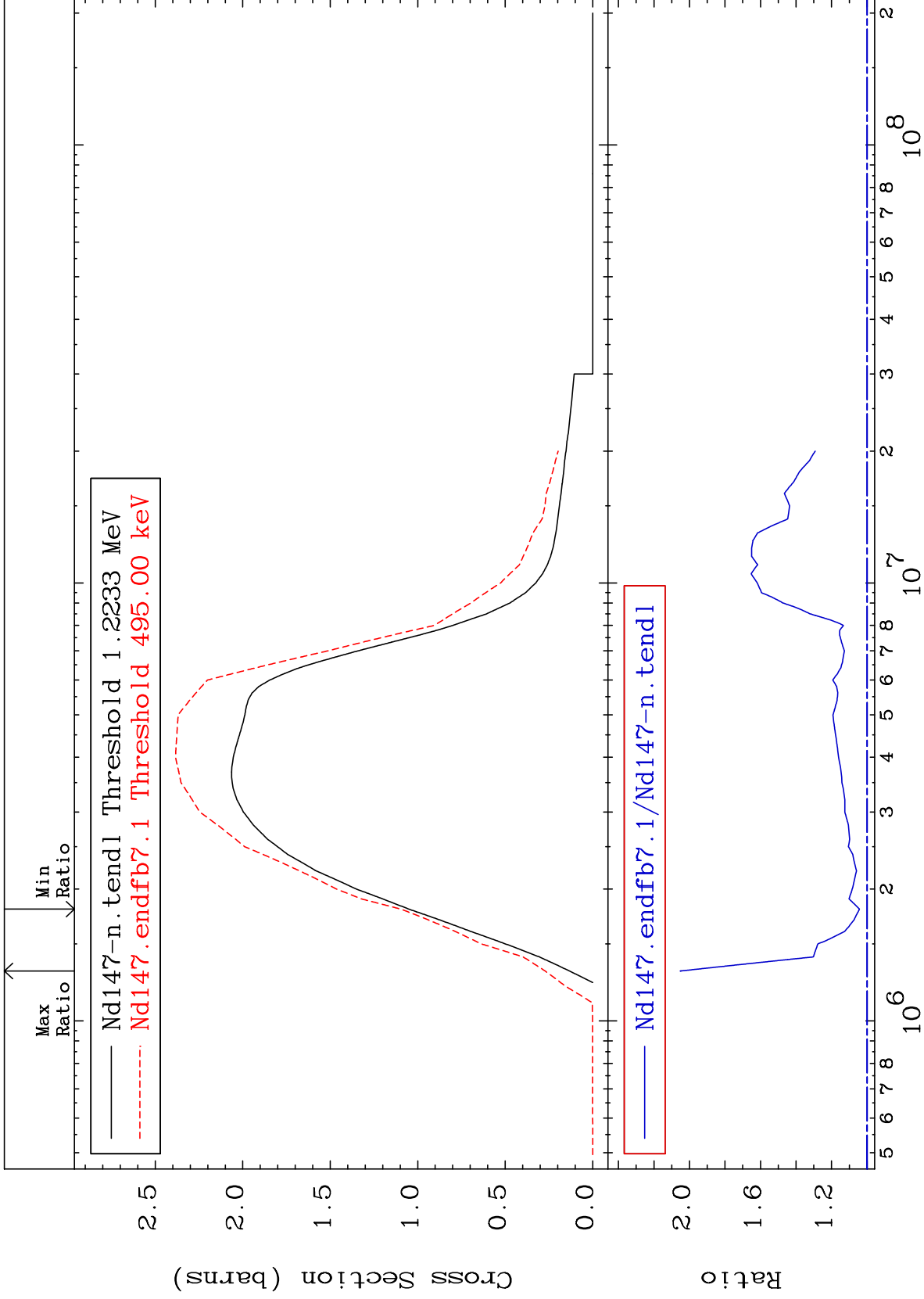
Incident Energy (eV)

60-Nd-147

MAT 6040

(n, n') Continuum
Cross Section

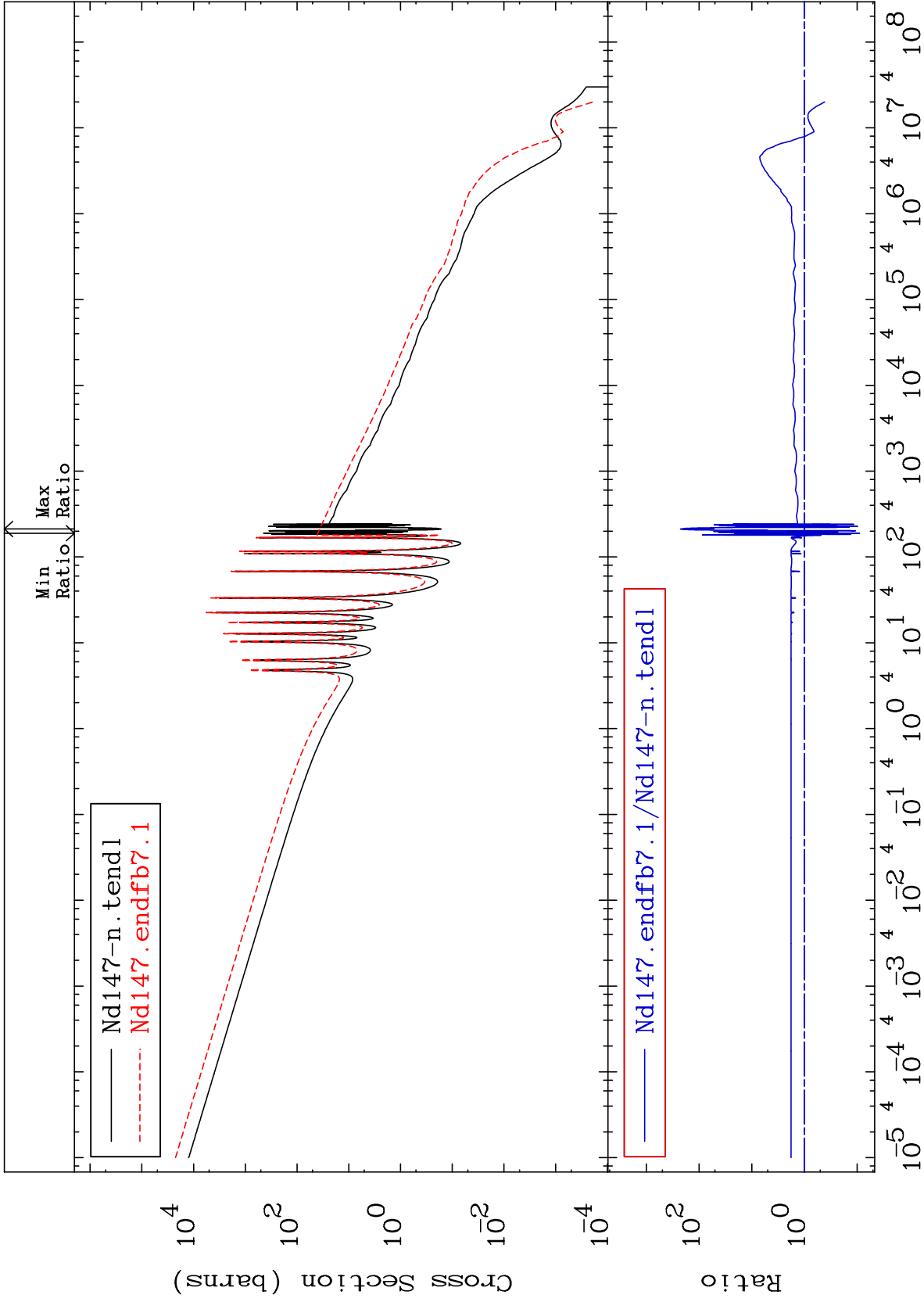
60-Nd-147
4.314 To 105.1 %



MAT 6040

(n, γ)
Cross Section

60-Nd-147
-90.95 To 9999. %



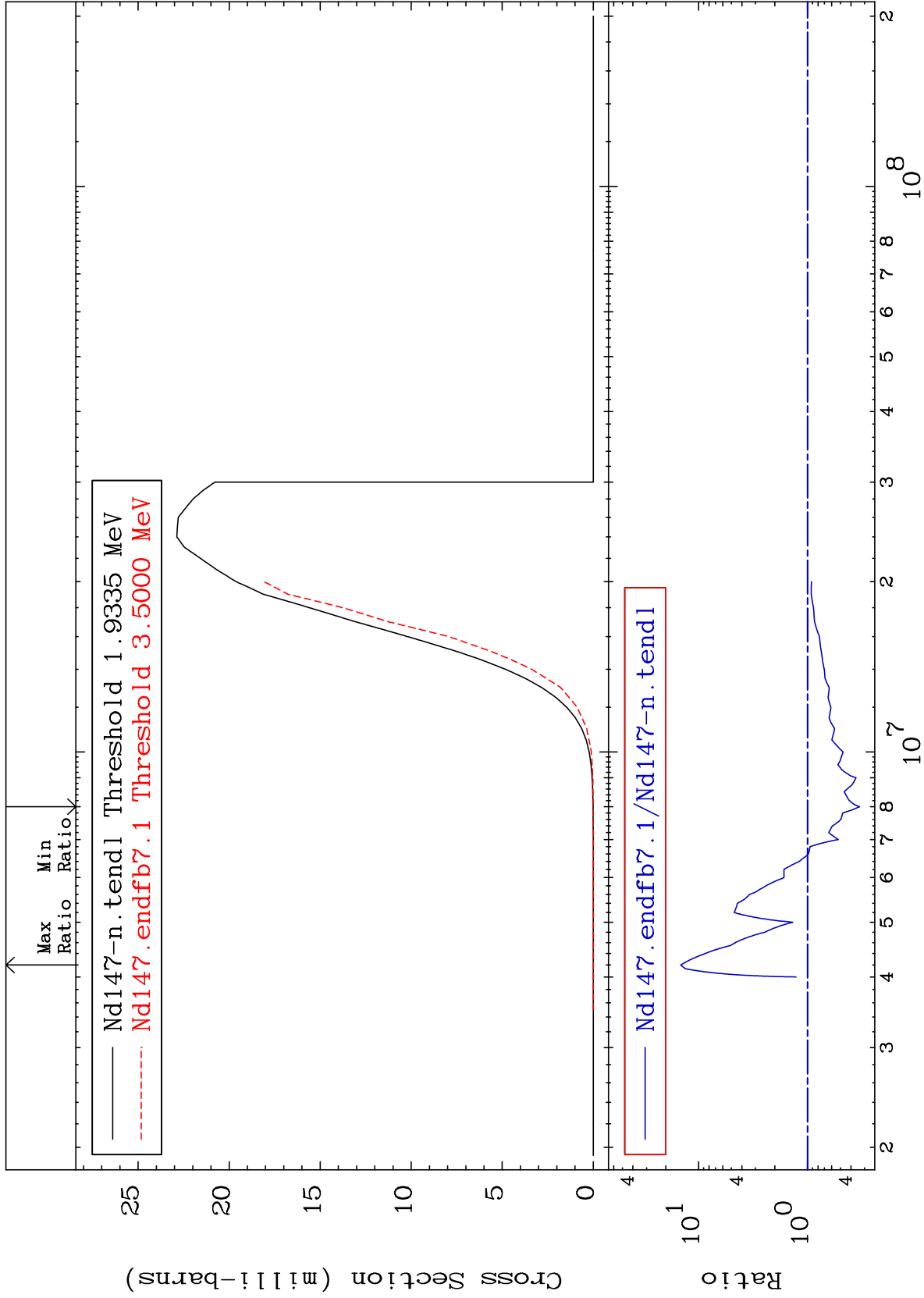
MAT 6040

(n,p)

60-Nd-147

Cross Section

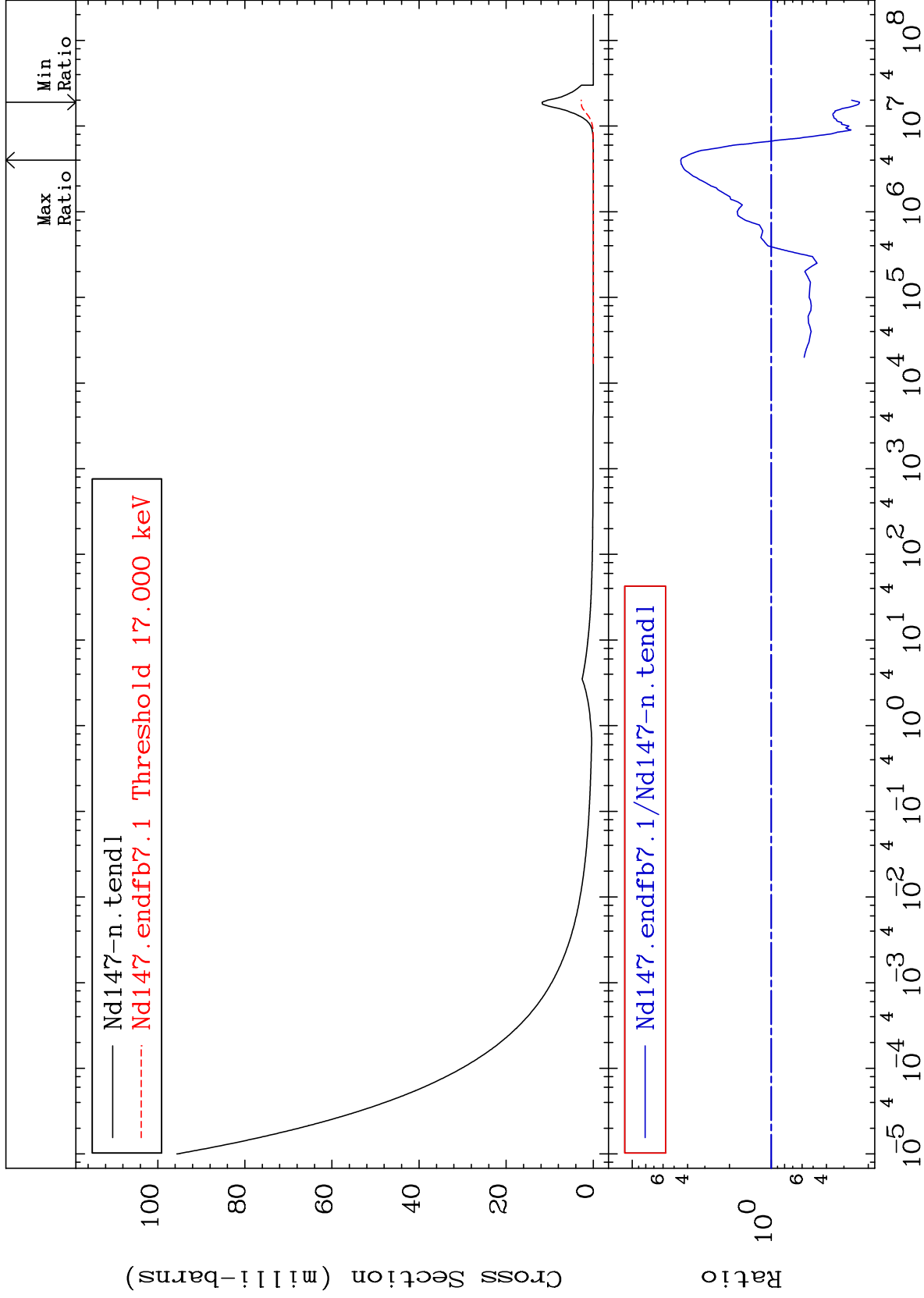
-66.67 To 1356. %



MAT 6040

(n, α)
Cross Section

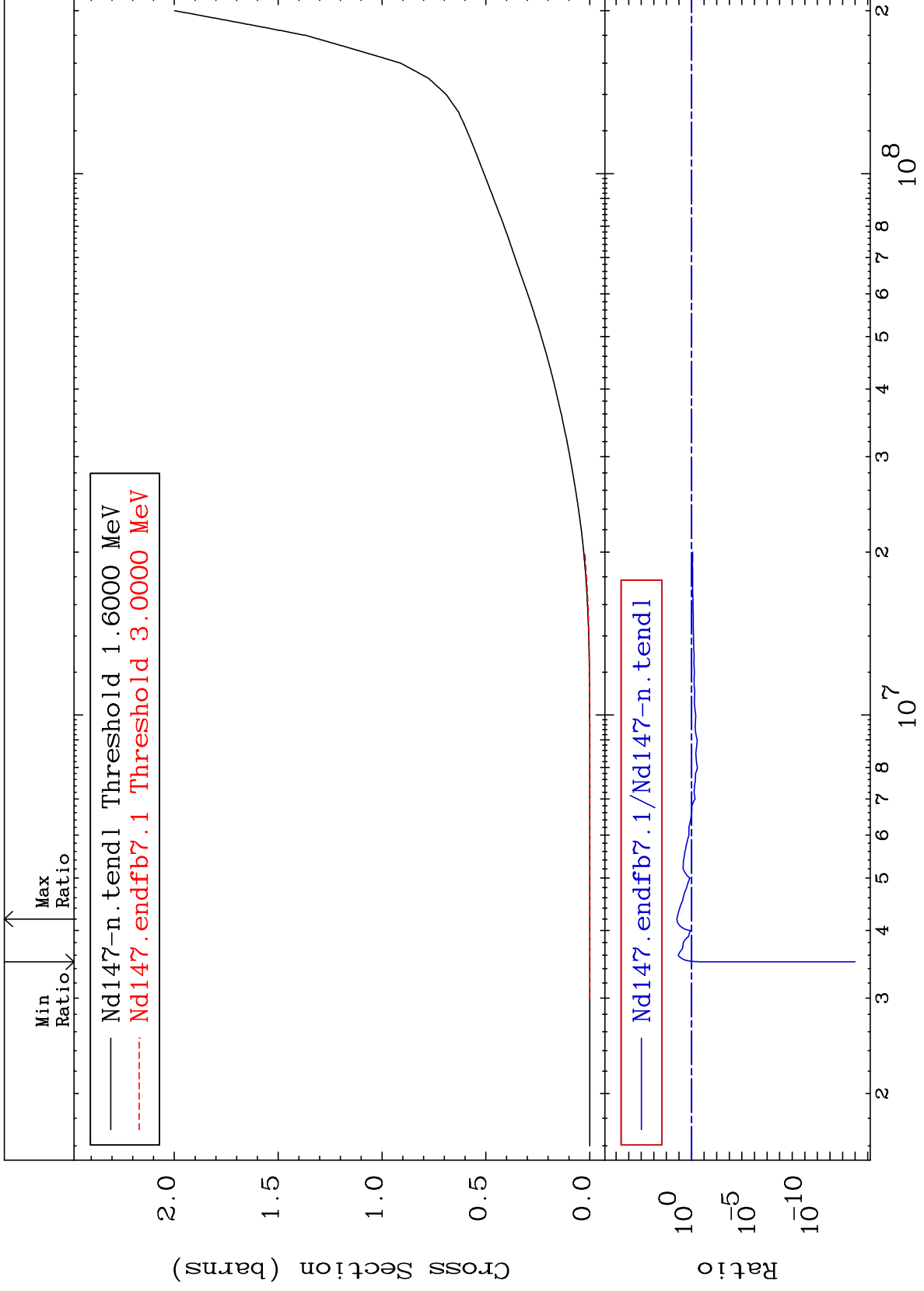
60-Nd-147
-76.86 To 347.6 %



MAT 6040

Hydrogen Production
Cross Section

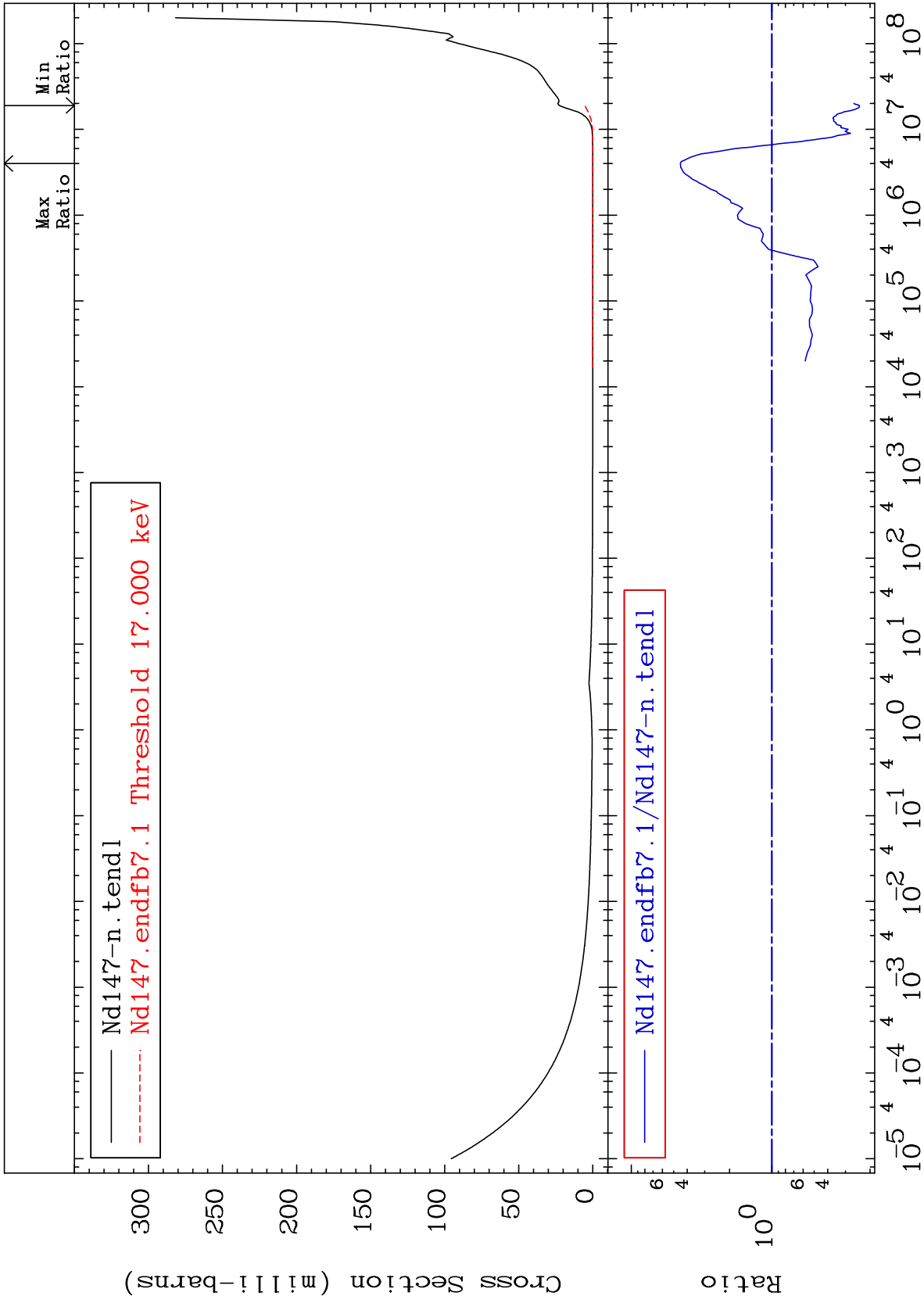
60-Nd-147
-100.0 To 1356. %



MAT 6040

He-4 Production
Cross Section

60-Nd-147
-76.16 To 347.6 %



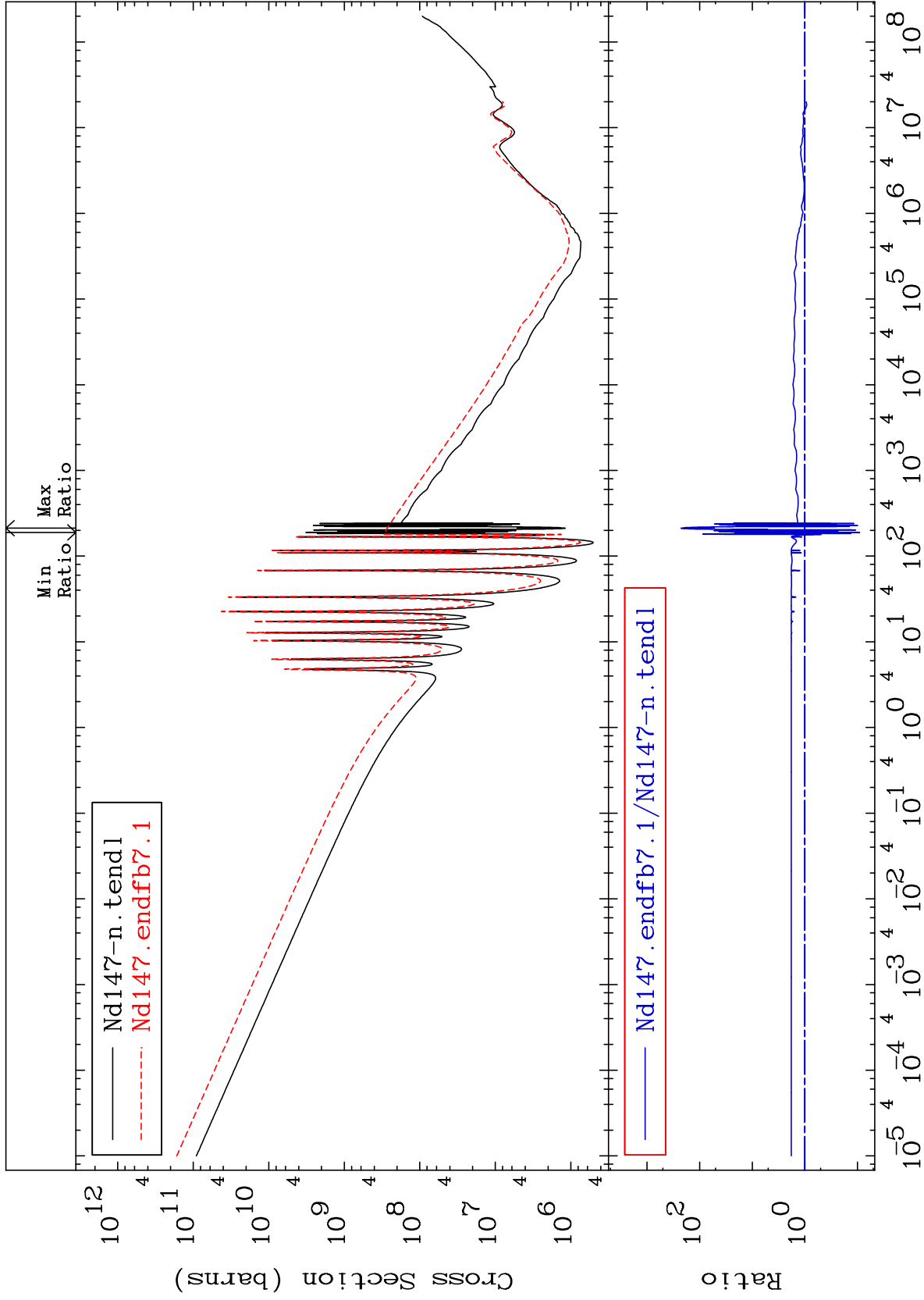
MAT 6040

Kerma total (eV-barns)

60-Nd-147

-90.88 To 9999. %

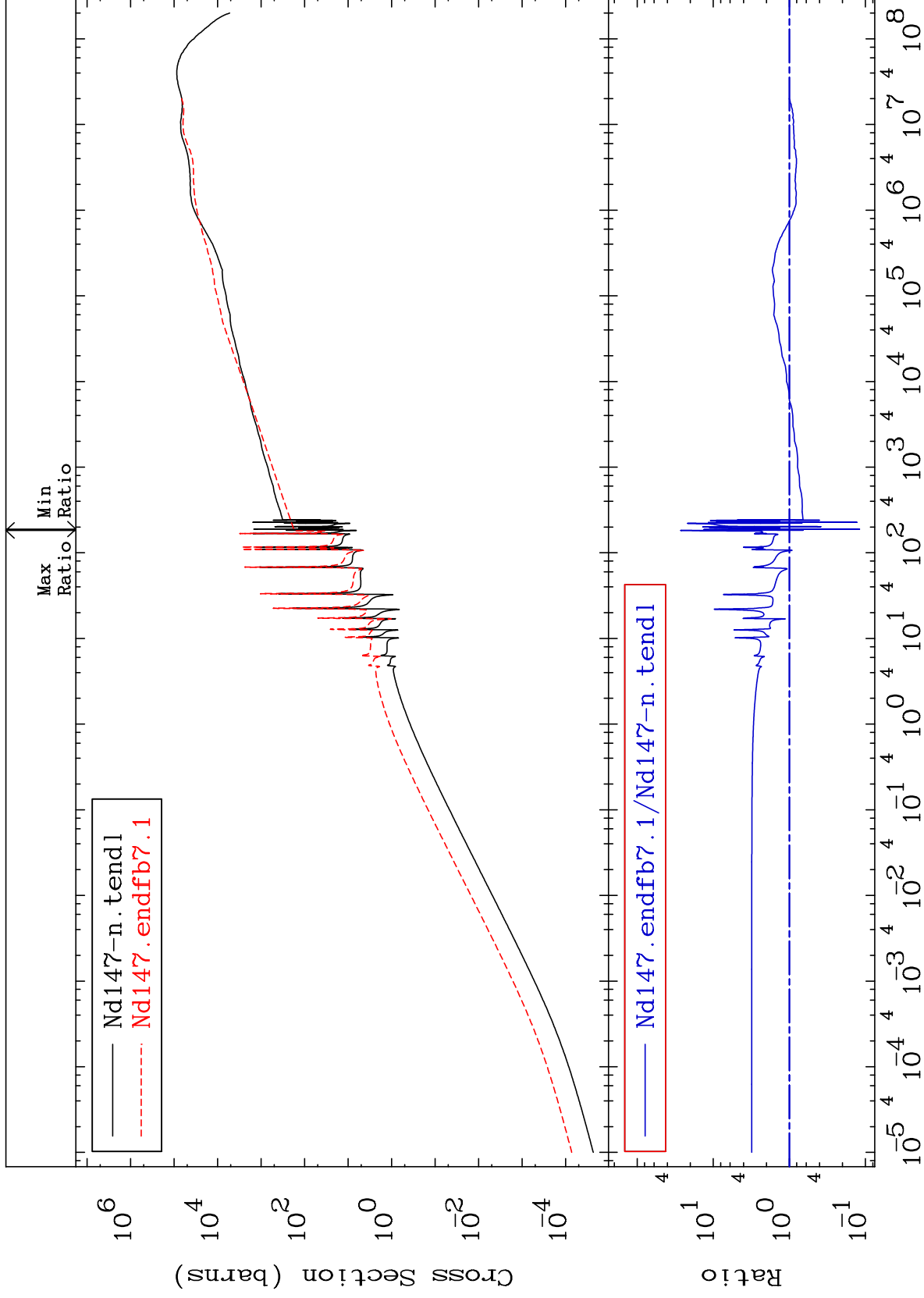
Cross Section

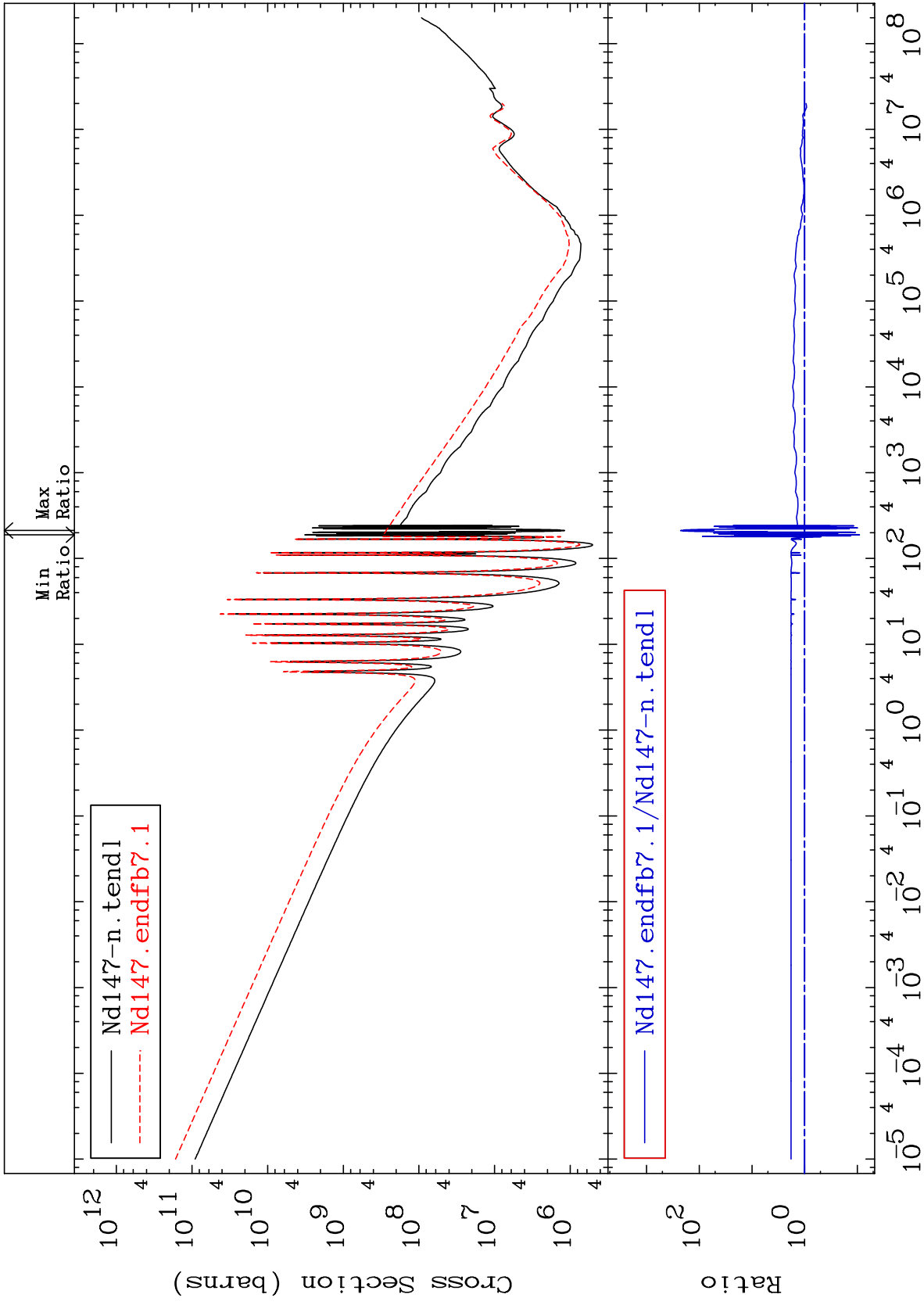


MAT 6040

Kerma elastic
Cross Section

60-Nd-147
-88.06 To 2575. %

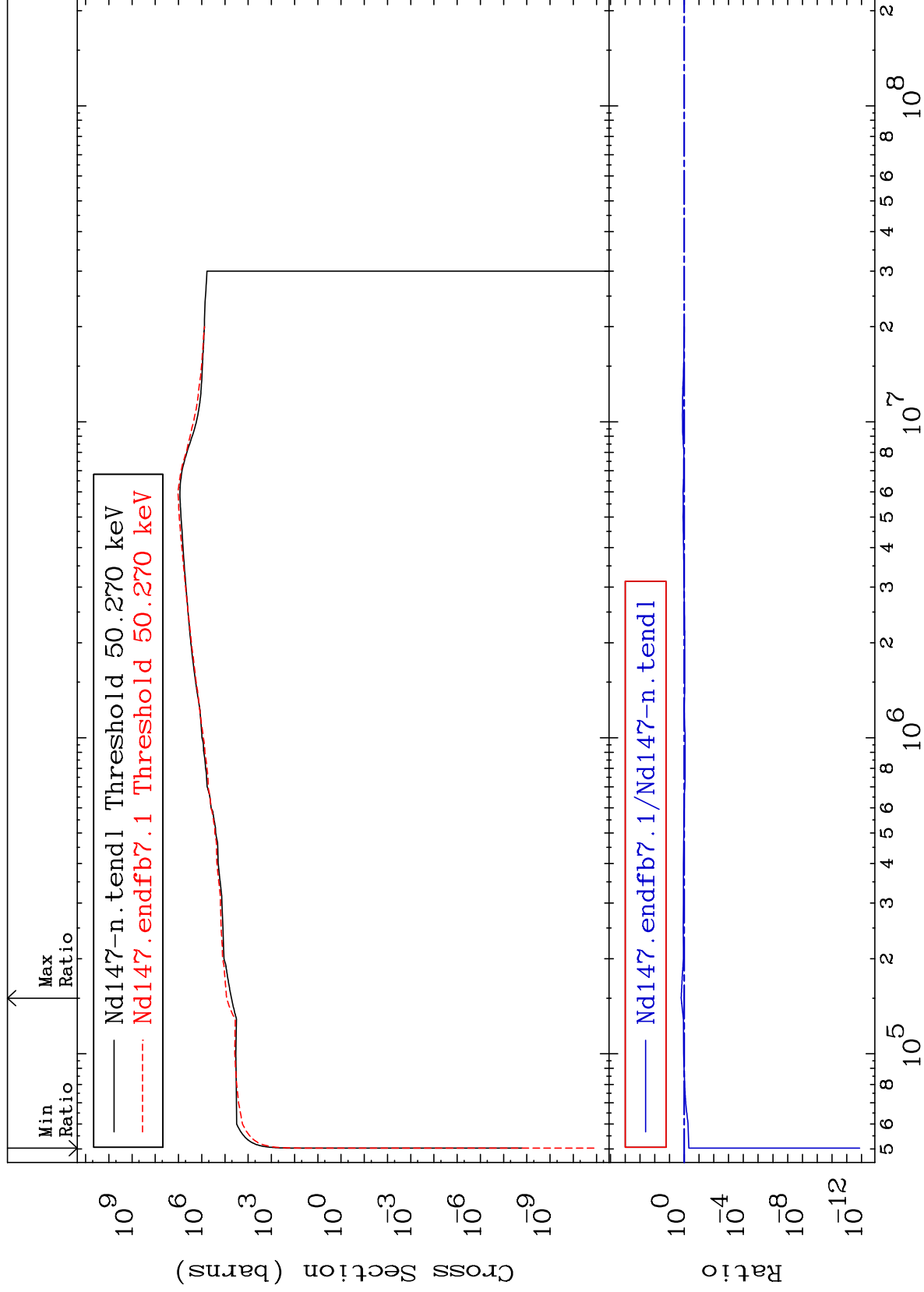


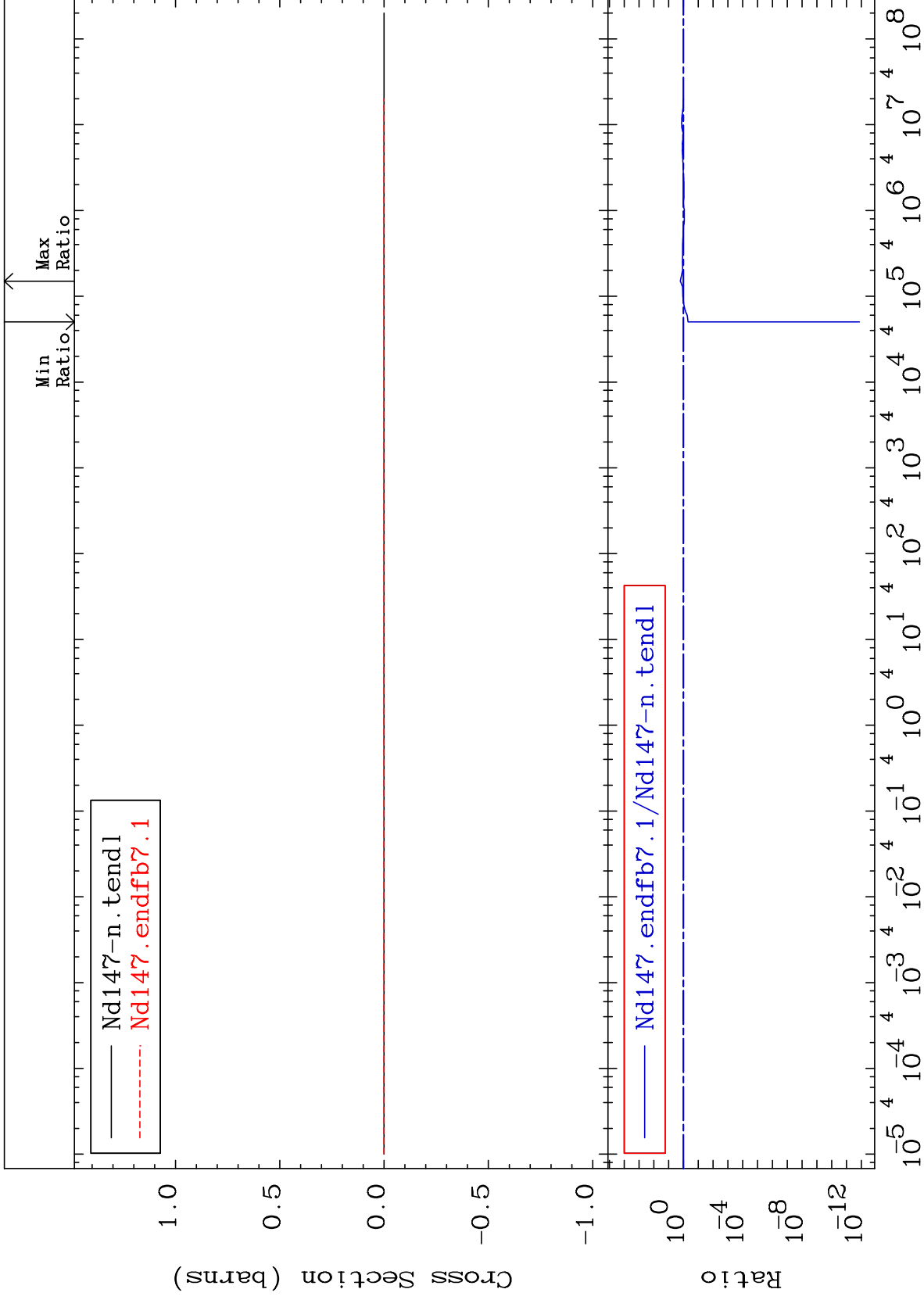


MAT 6040

Kerma inelastic (mt51-91)
Cross Section

60-Nd-147
-100.0 To 61.95 %

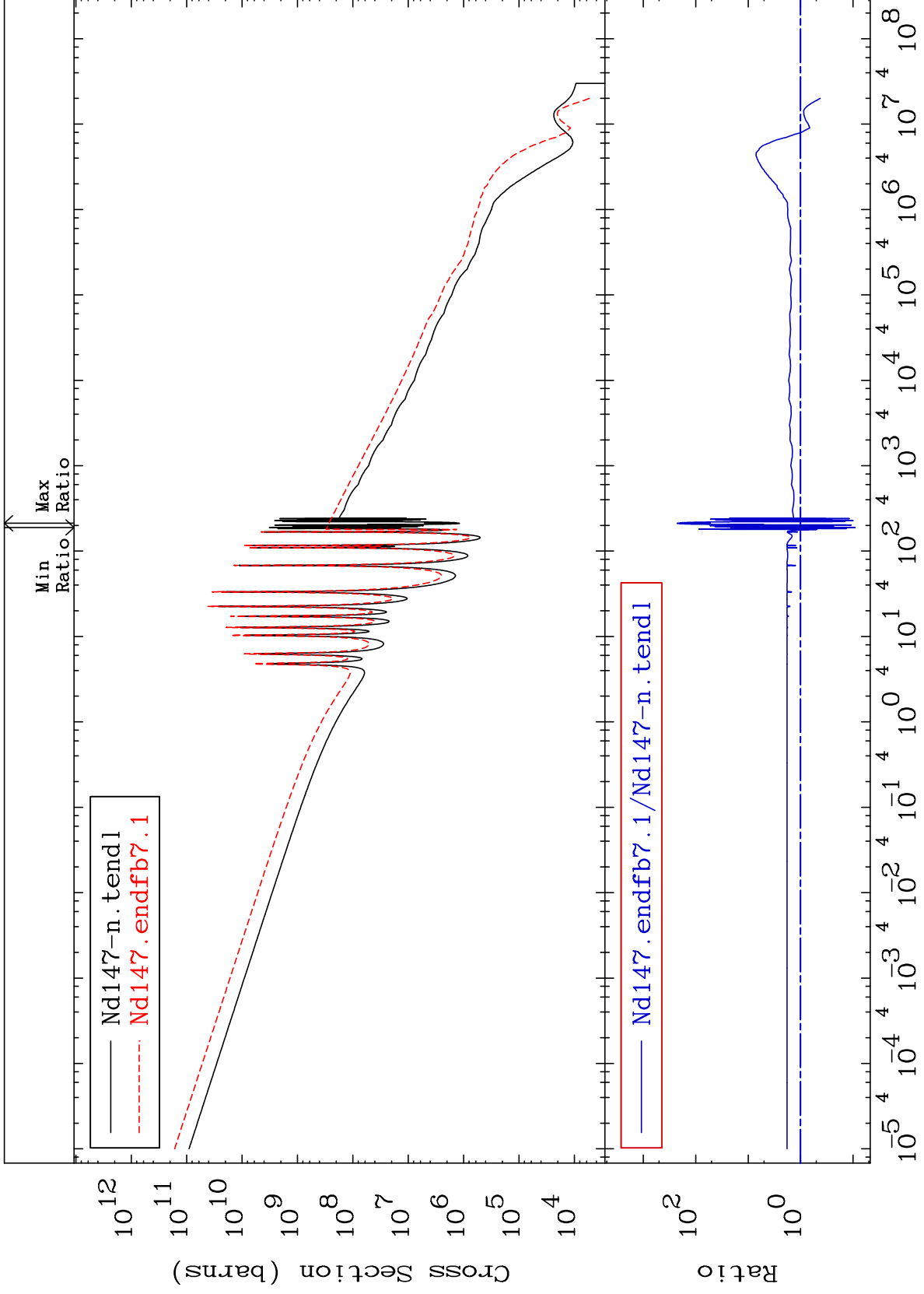




MAT 6040

Kerma capture (mt102)
Cross Section

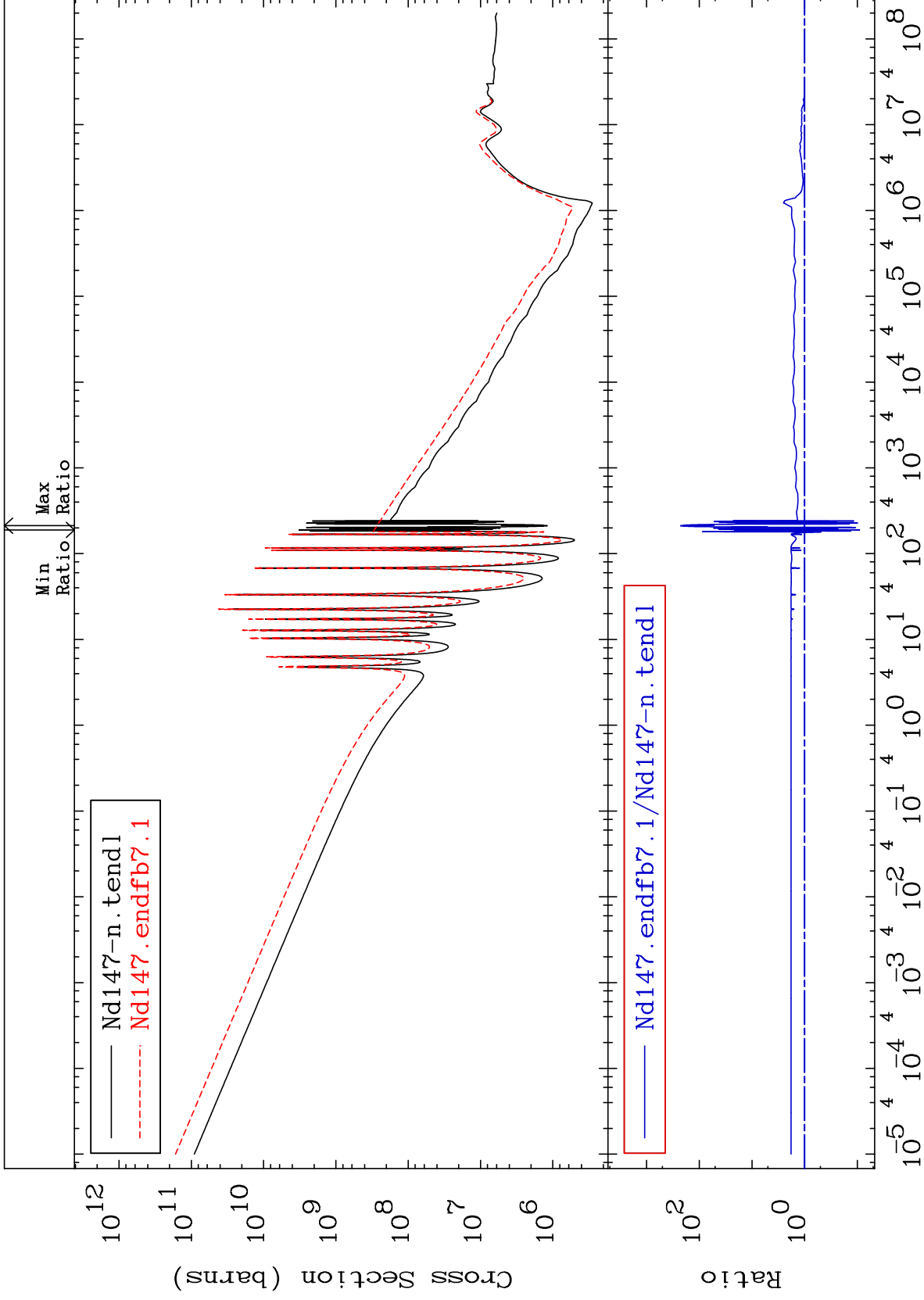
60-Nd-147
-90.88 To 9999. %



MAT 6040

Total photon (eV-barns)
Cross Section

60-Nd-147
-90.88 To 9999. %



45

Incident Energy (eV)

60-Nd-147

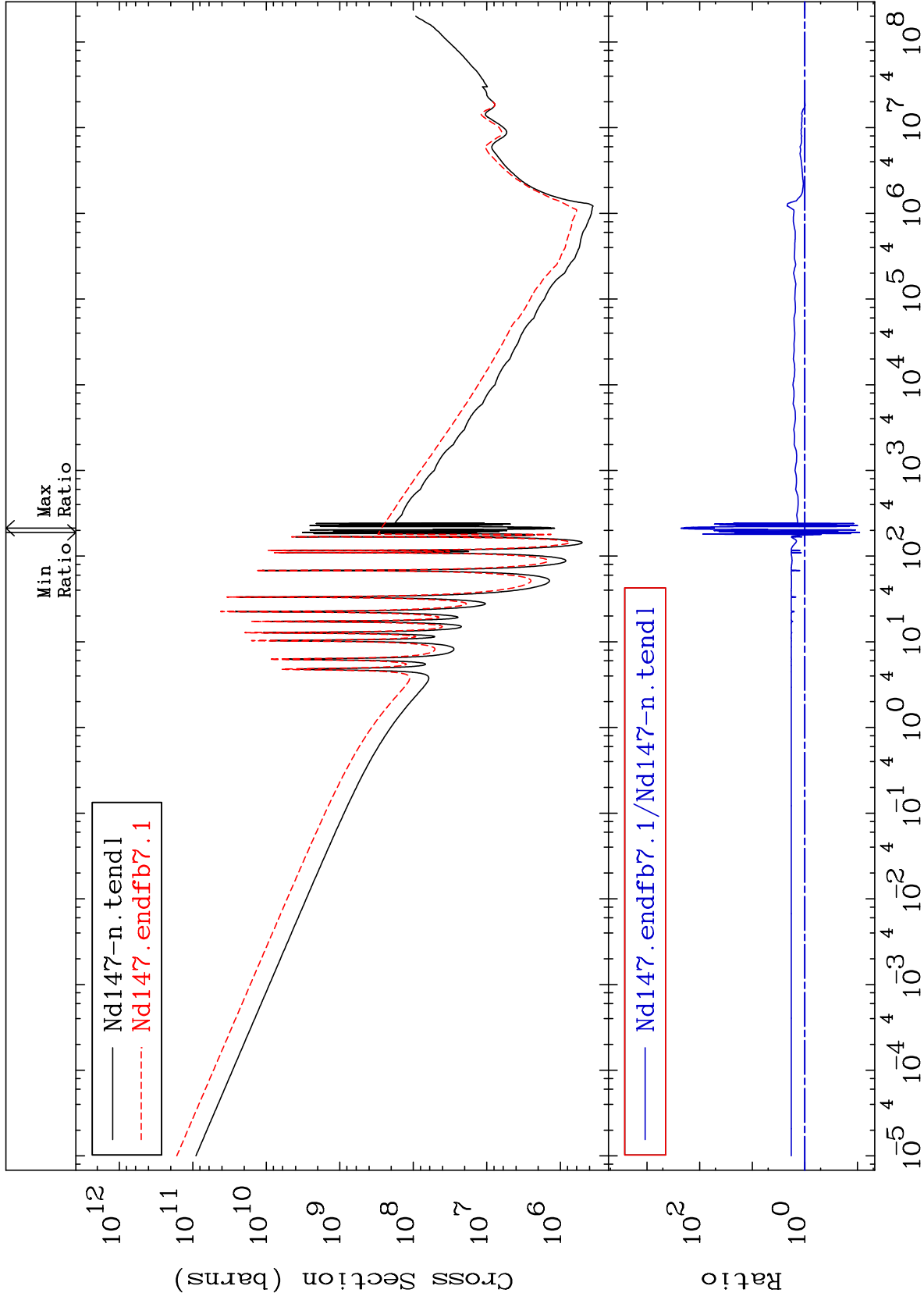
MAT 6040

Total kinematic kerma (high limit)

60-Nd-147

-90.88 To 9999. %

Cross Section



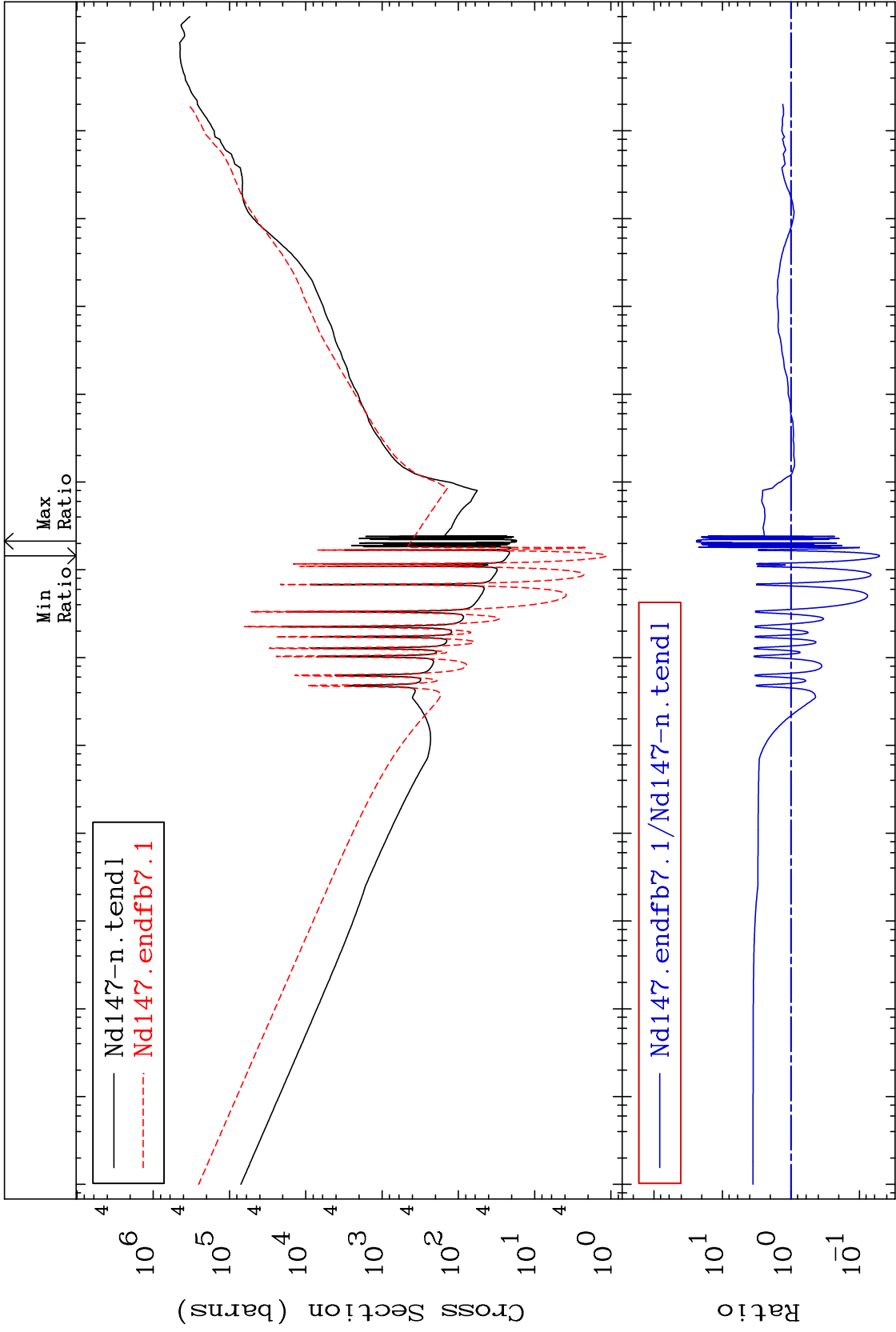
MAT 6040

Dpa total (eV-barns)

60-Nd-147

-94.91 To 2311. %

Cross Section



47

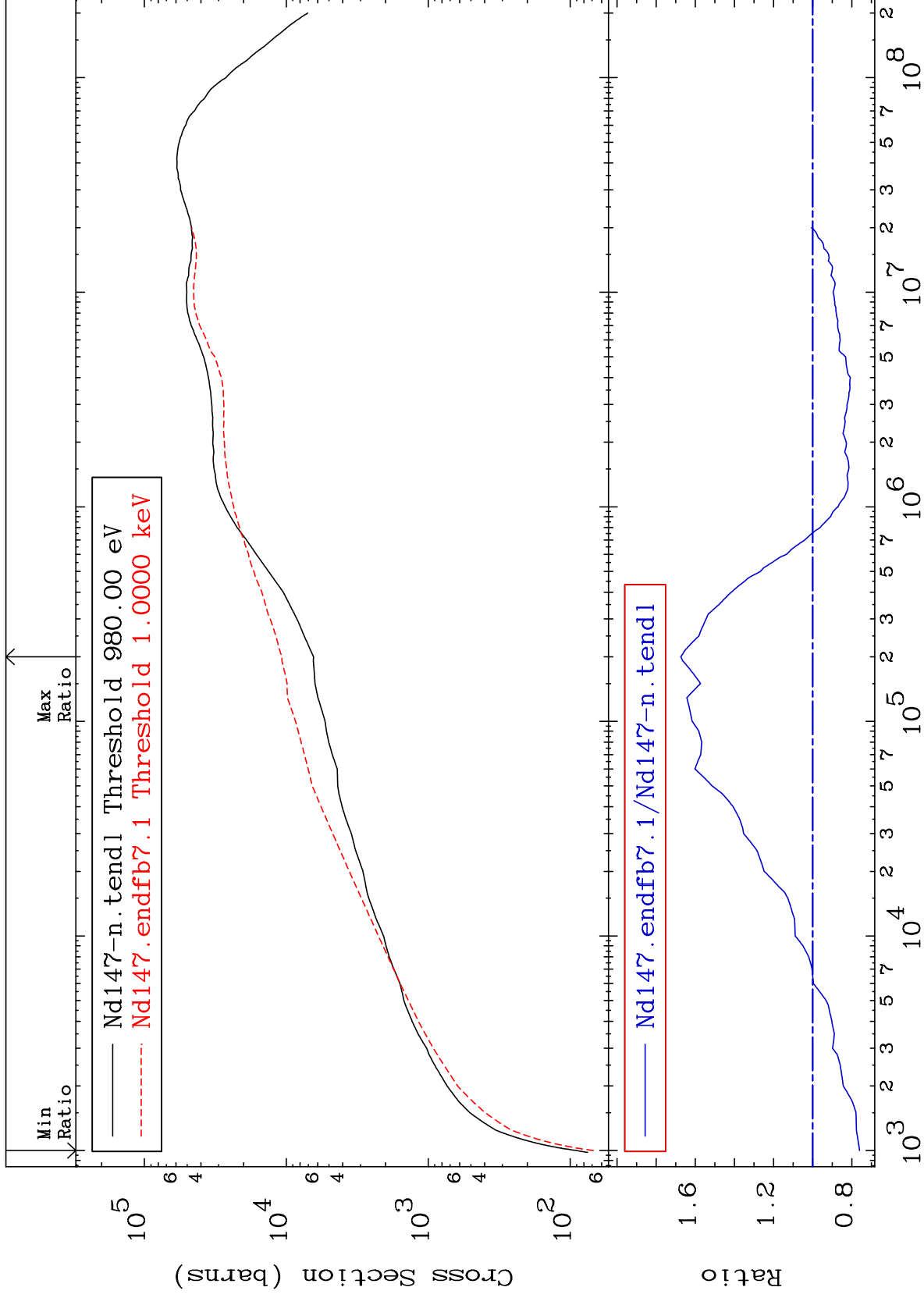
Incident Energy (eV)

60-Nd-147

MAT 6040

Dpa elastic (mt2)
Cross Section

60-Nd-147
-23.94 To 67.41 %



48

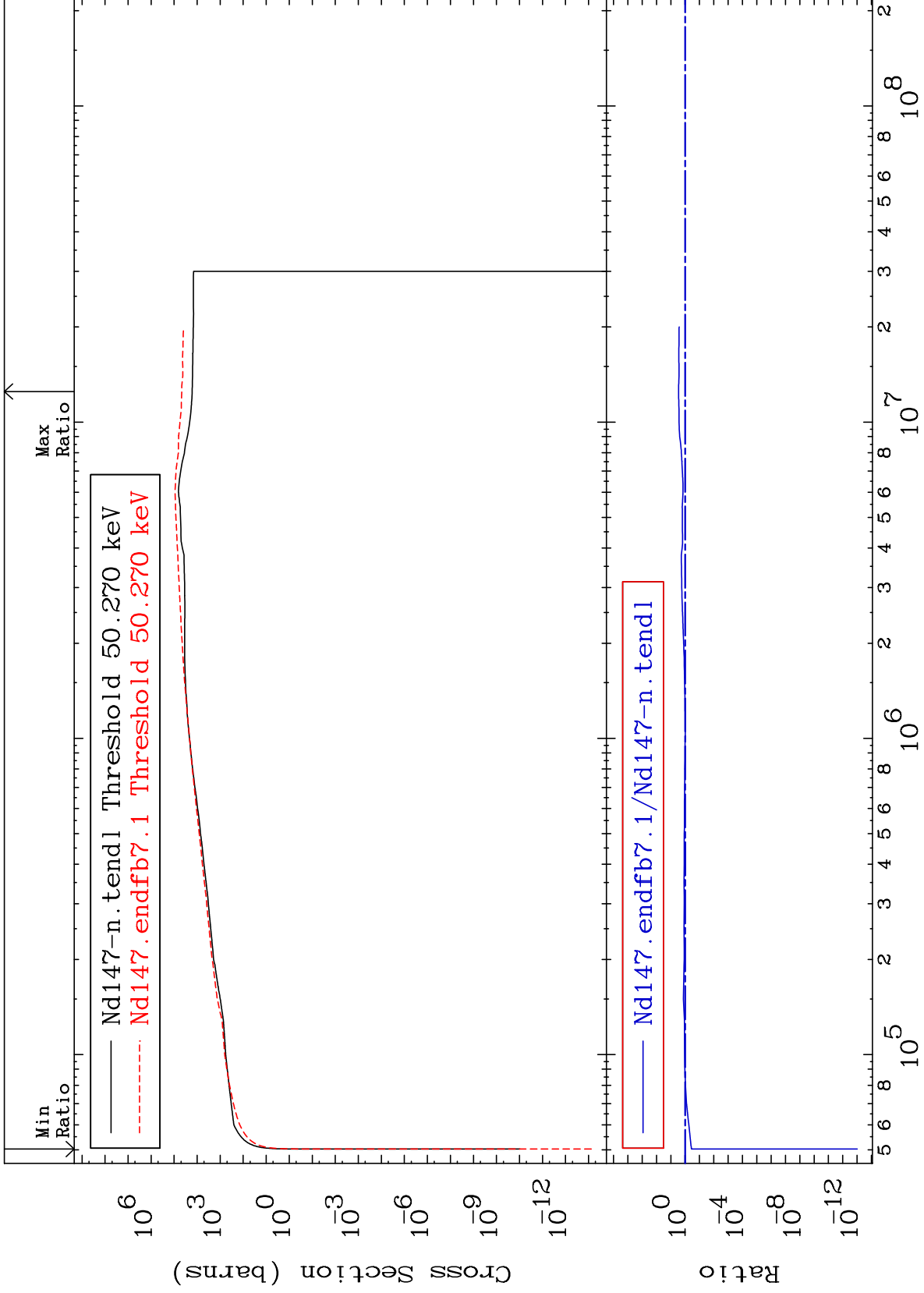
Incident Energy (eV)

60-Nd-147

MAT 6040

Dpa inelastic (mt51-91)
Cross Section

60-Nd-147
-100.0 To 184.4 %



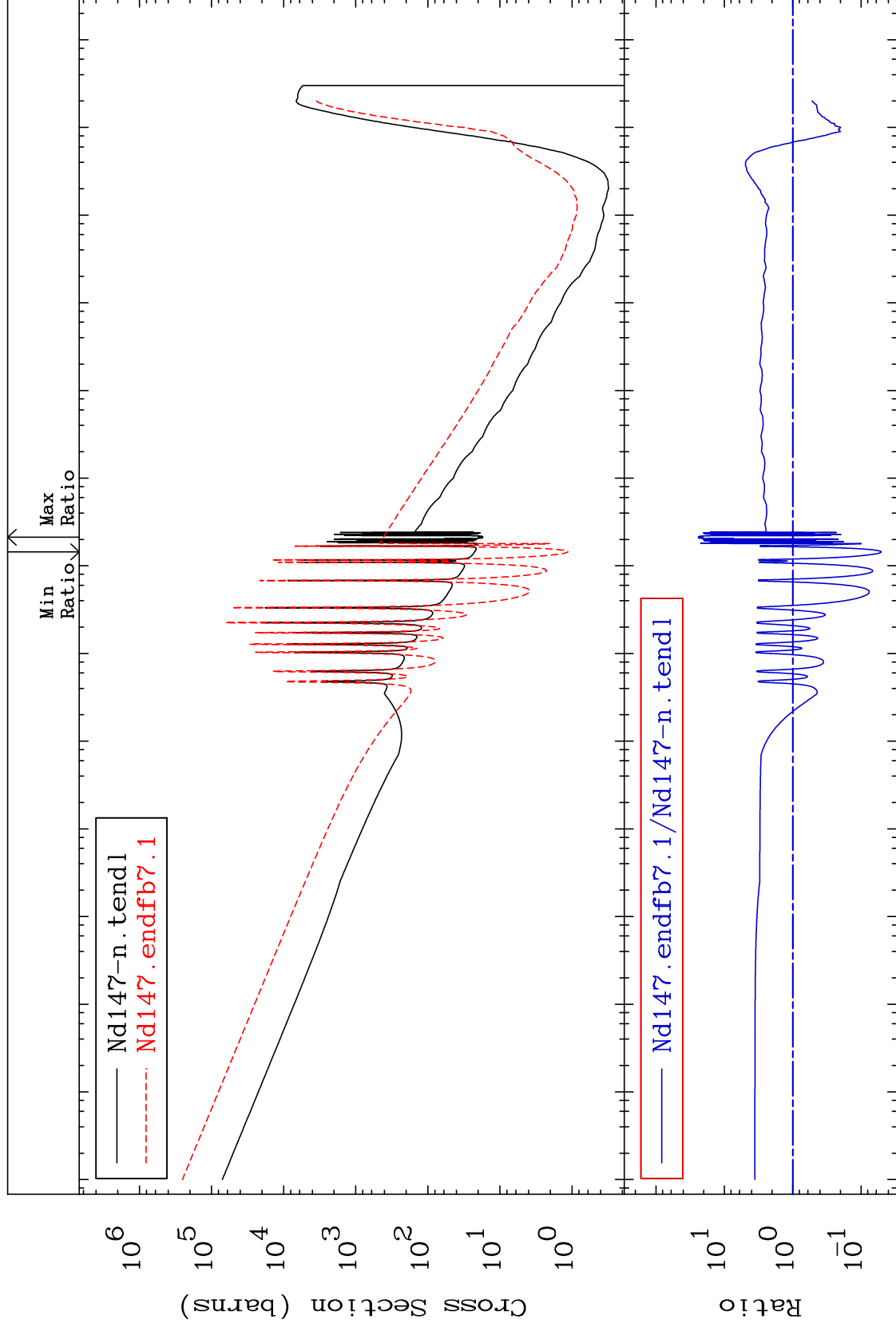
MAT 6040

Dpa disappearance (mt102 -120)

60-Nd-147

-94.91 To 2311. %

Cross Section



50

Incident Energy (eV)

60-Nd-147