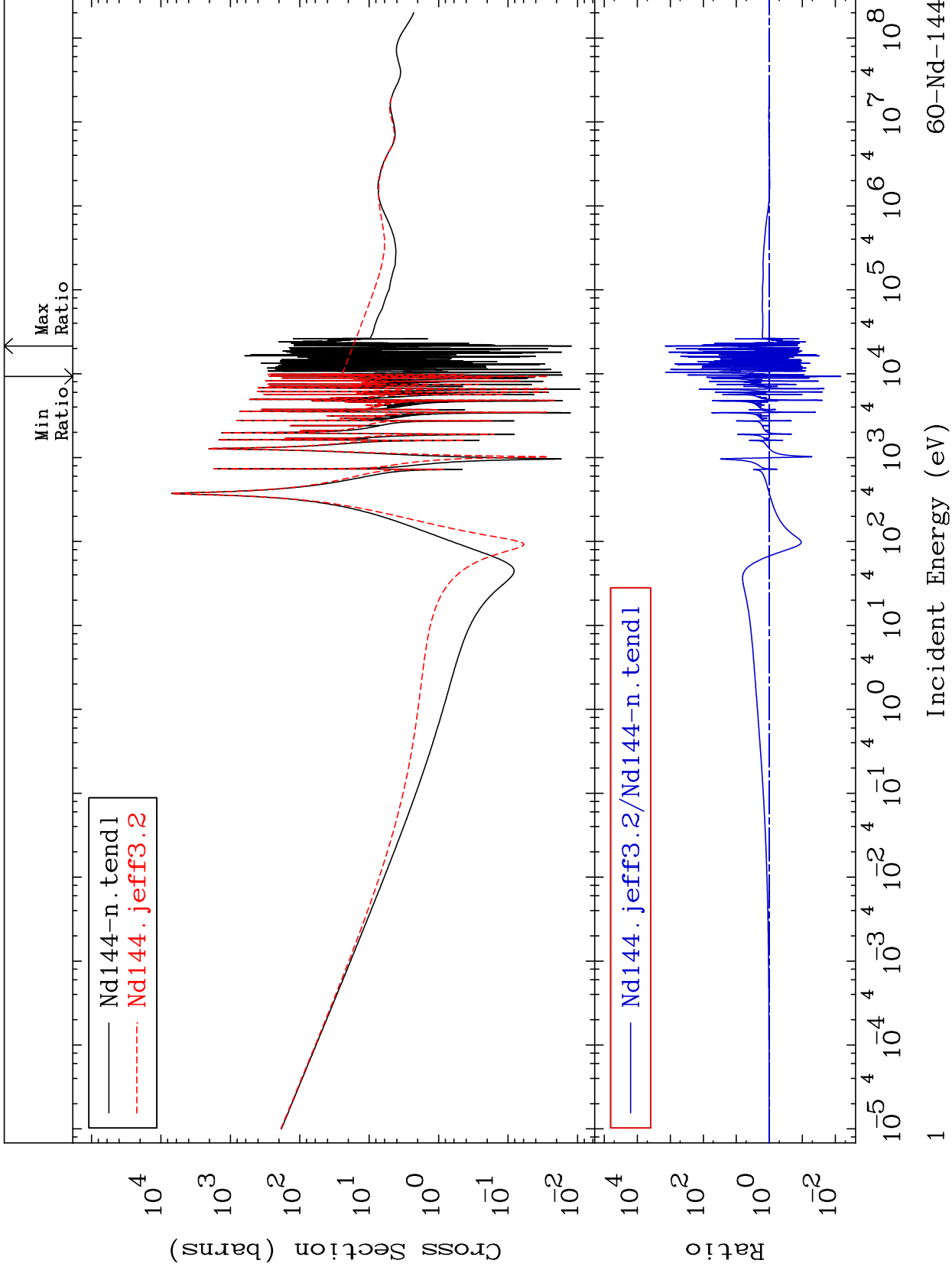


MAT 6031

Total
Cross Section

60-Nd-144
-99.31 To 9999. %



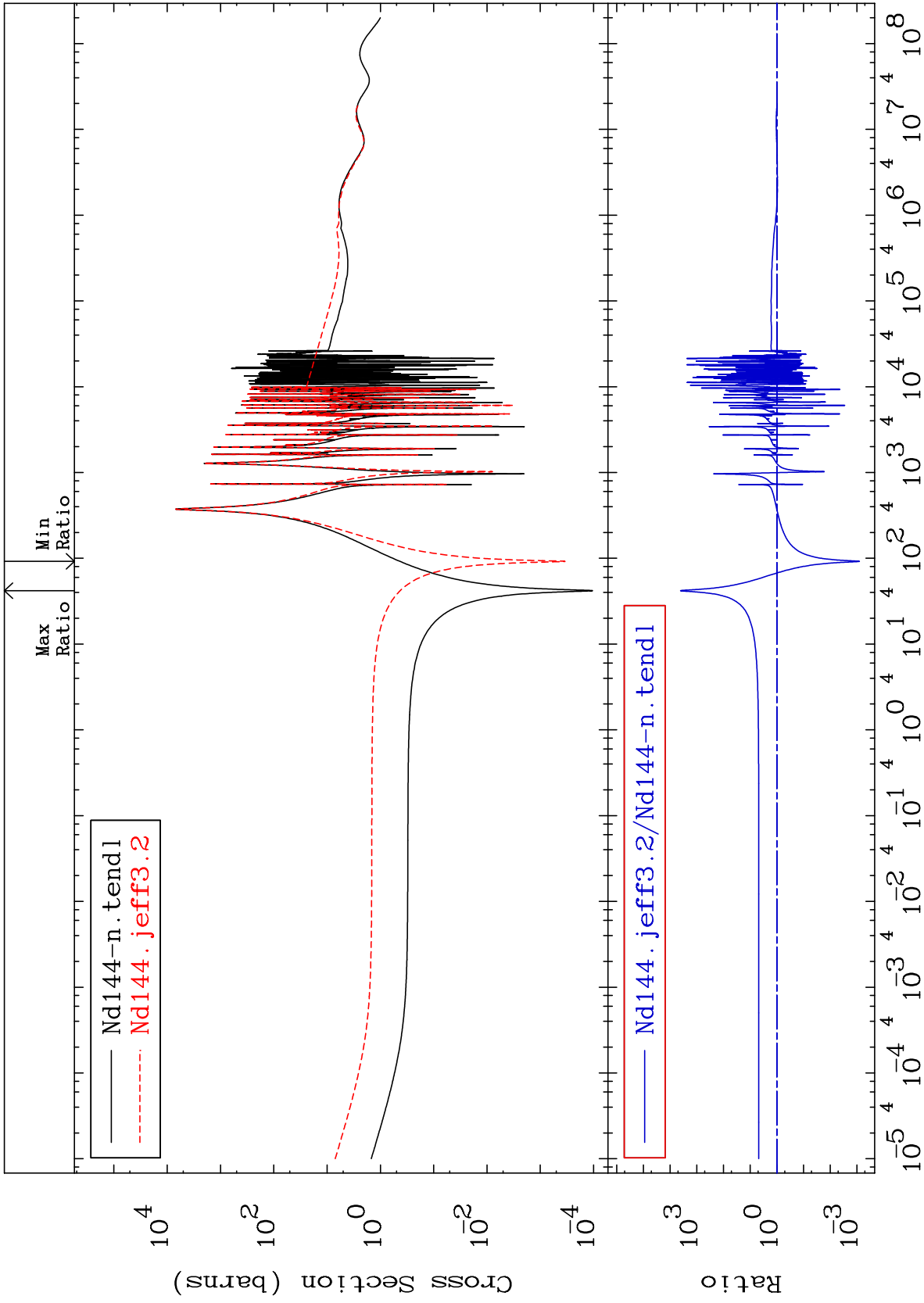
60-Nd-144

Incident Energy (eV)

MAT 6031

Elastic
Cross Section

60-Nd-144
-99.92 To 9999. %



2

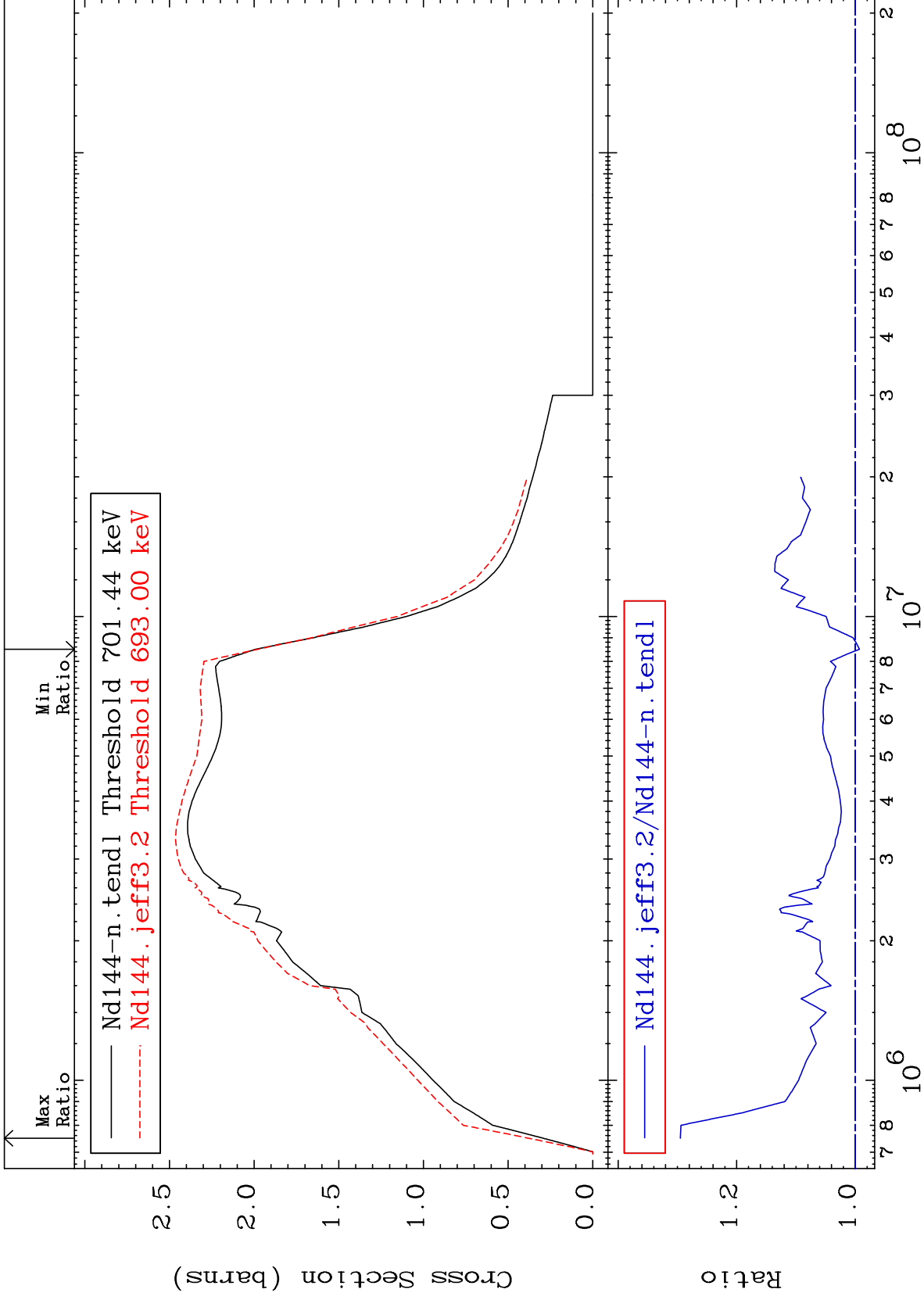
Incident Energy (eV)

60-Nd-144

MAT 6031

Inelastic
Cross Section

60-Nd-144
-0.706 To 29.51 %



3

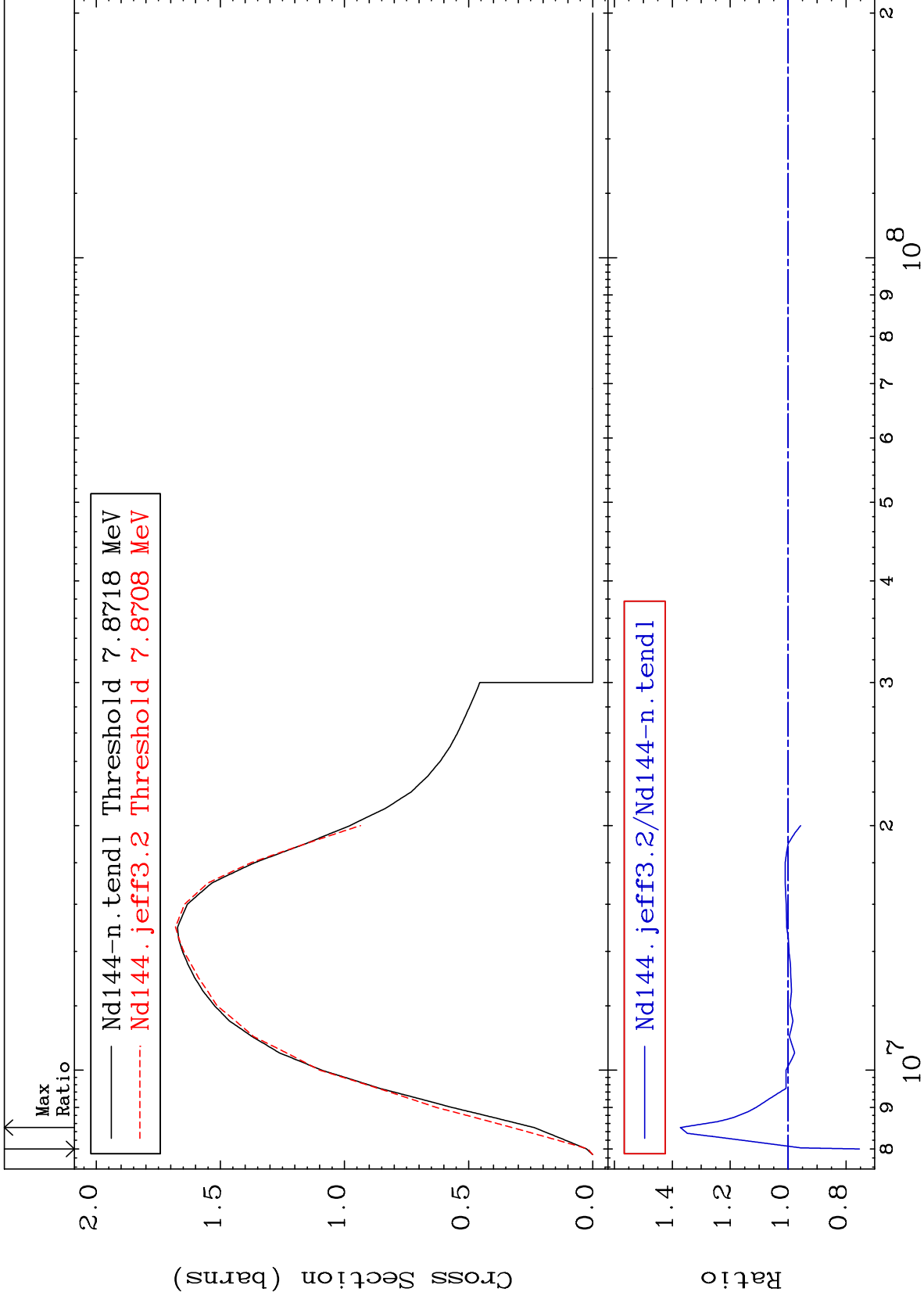
Incident Energy (eV)

60-Nd-144

MAT 6031

(n,2n)
Cross Section

60-Nd-144
-24.63 To 37.21 %



4

Incident Energy (eV)

60-Nd-144

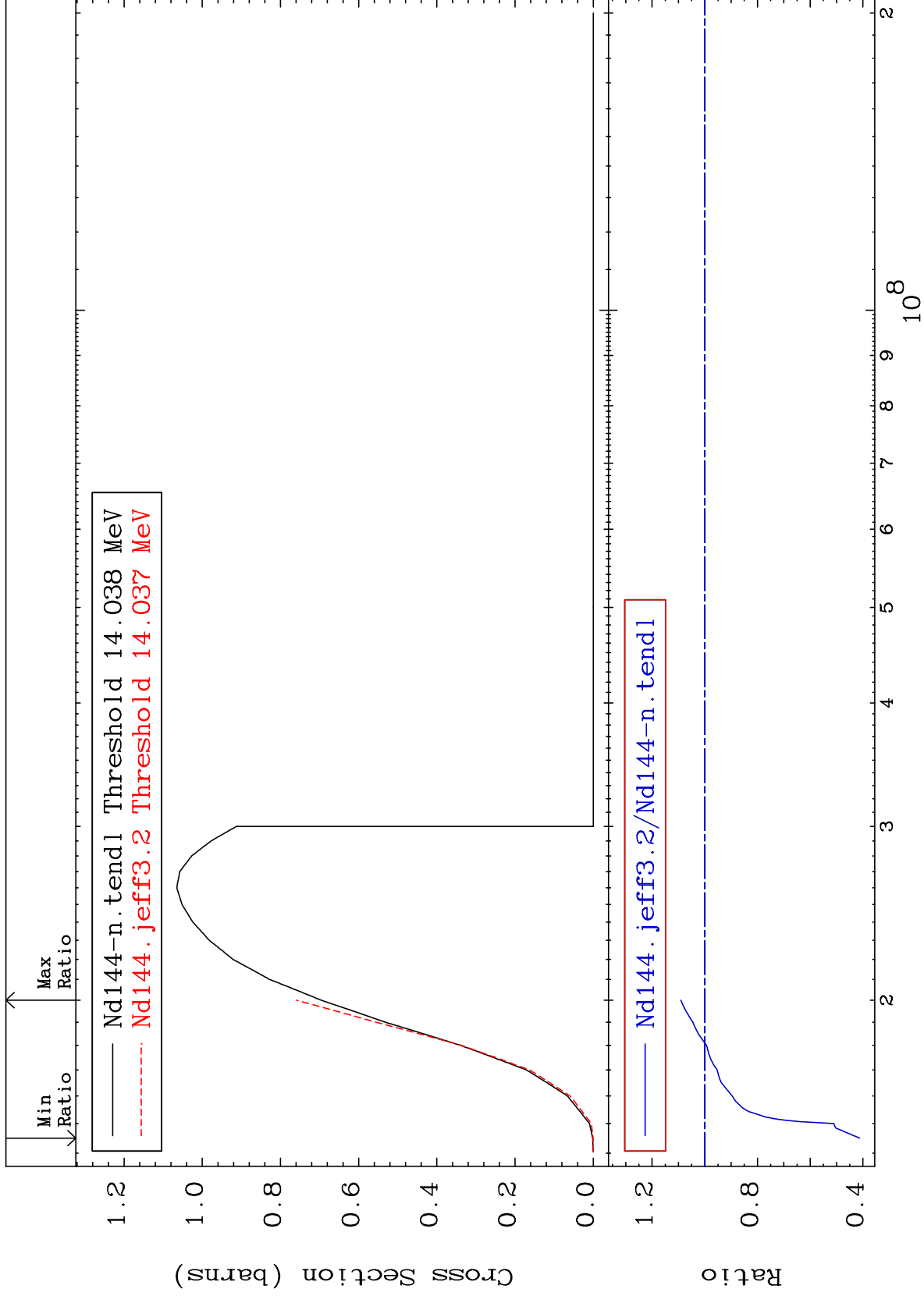
MAT 6031

(n,3n)

60-Nd-144

Cross Section

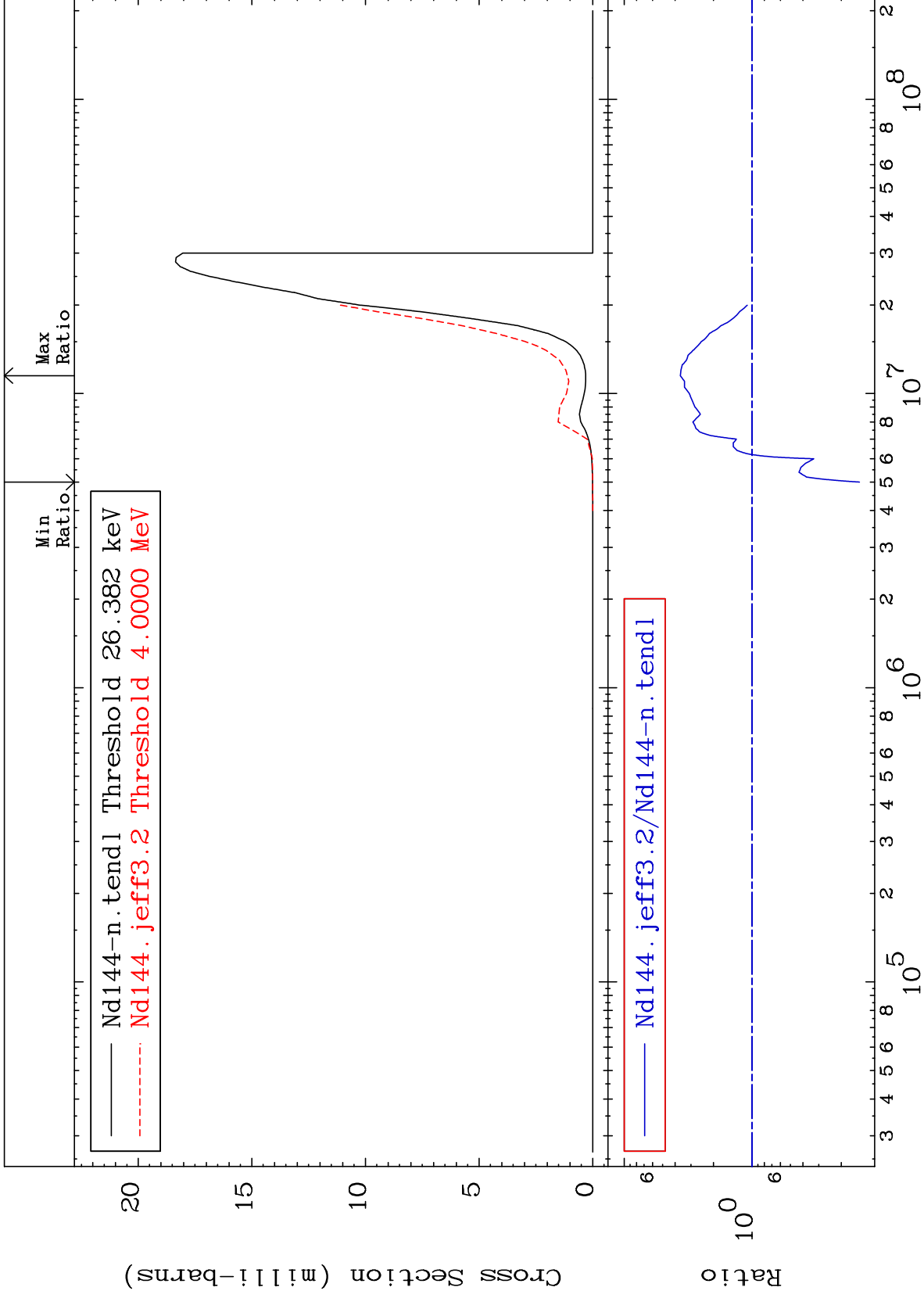
-58.72 To 9.105 %



MAT 6031

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

60-Nd-144
-85.57 To 263.6 %



6

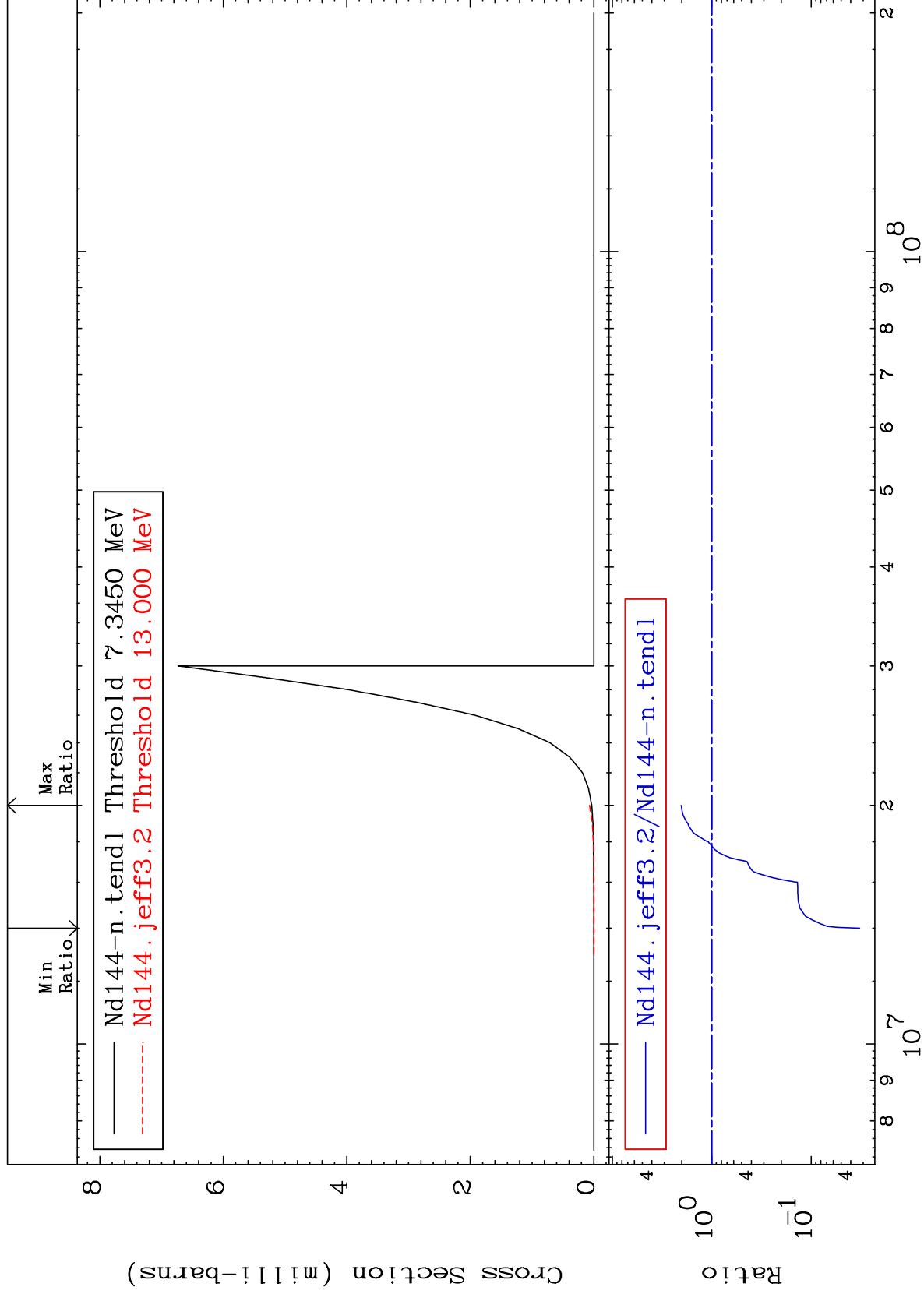
Incident Energy (eV)

60-Nd-144

MAT 6031

(n,2n) α
Cross Section

60-Nd-144
-96.74 To 102.9 %



7

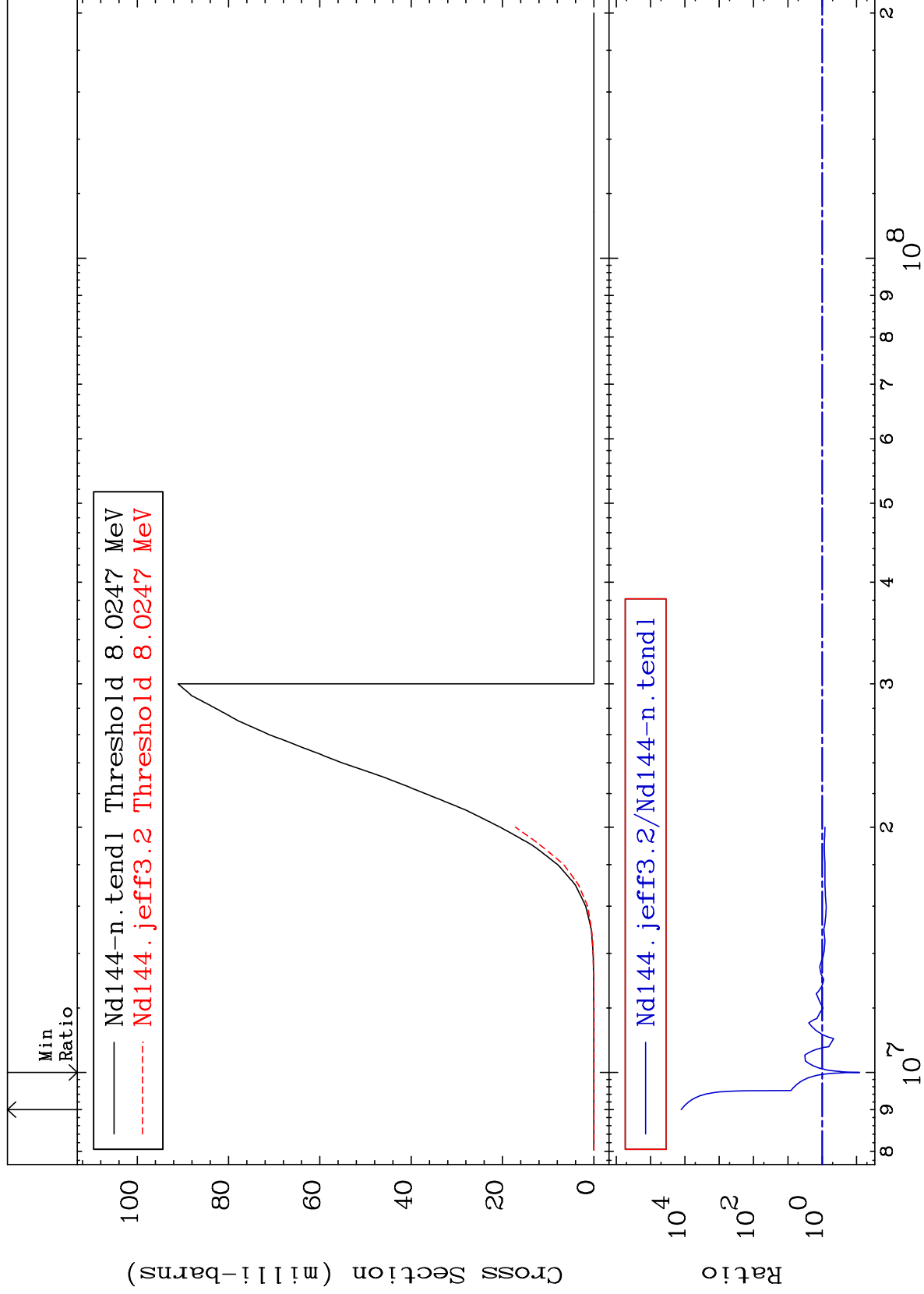
Incident Energy (eV)

60-Nd-144

MAT 6031

(n,n') p
Cross Section

60-Nd-144
-91.87 To 9999. %



8

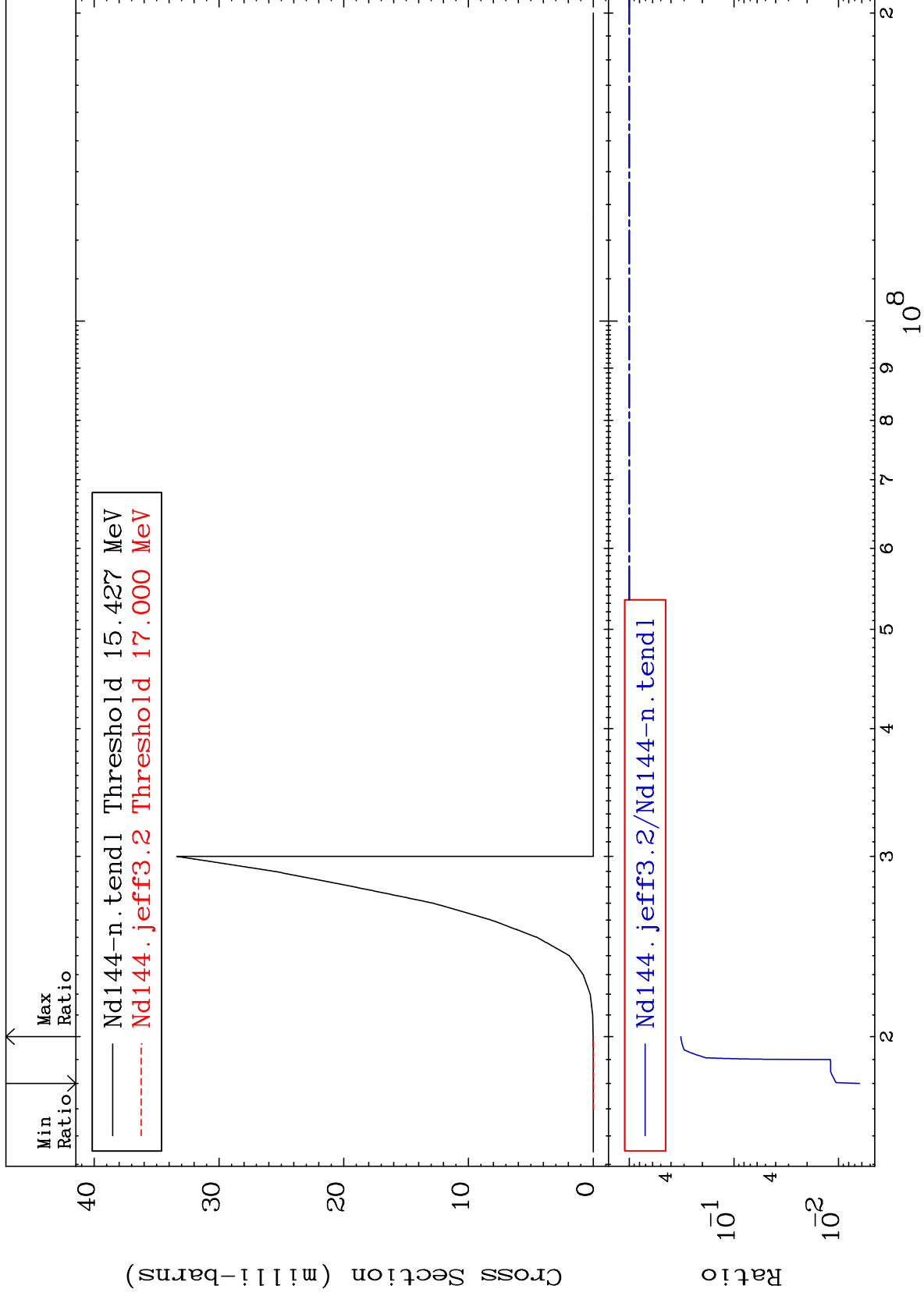
Incident Energy (eV)

60-Nd-144

MAT 6031

(n,2n) p
Cross Section

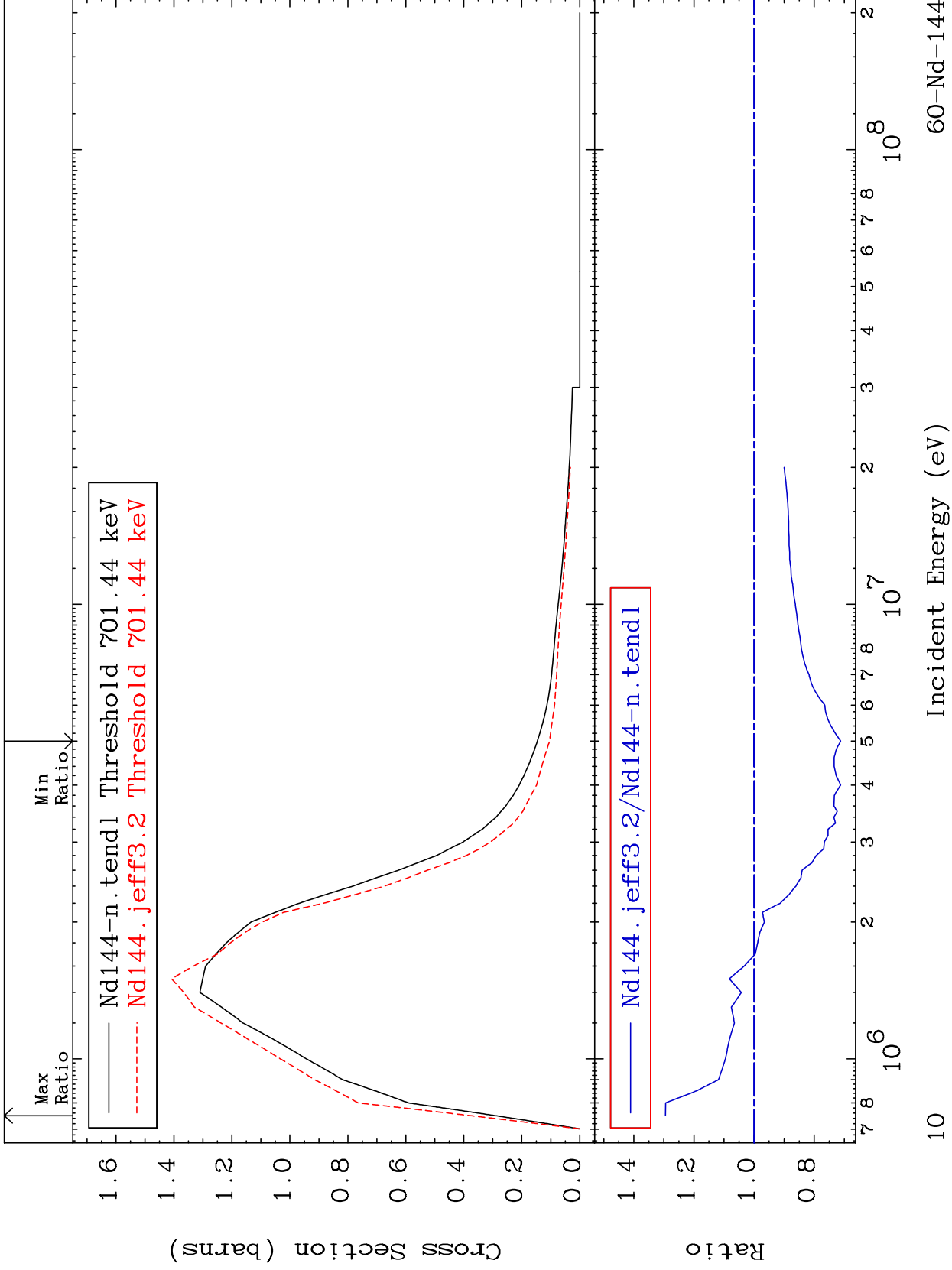
60-Nd-144
-99.37 To -67.77%



MAT 6031

696.6 keV (n,n') Level
Cross Section

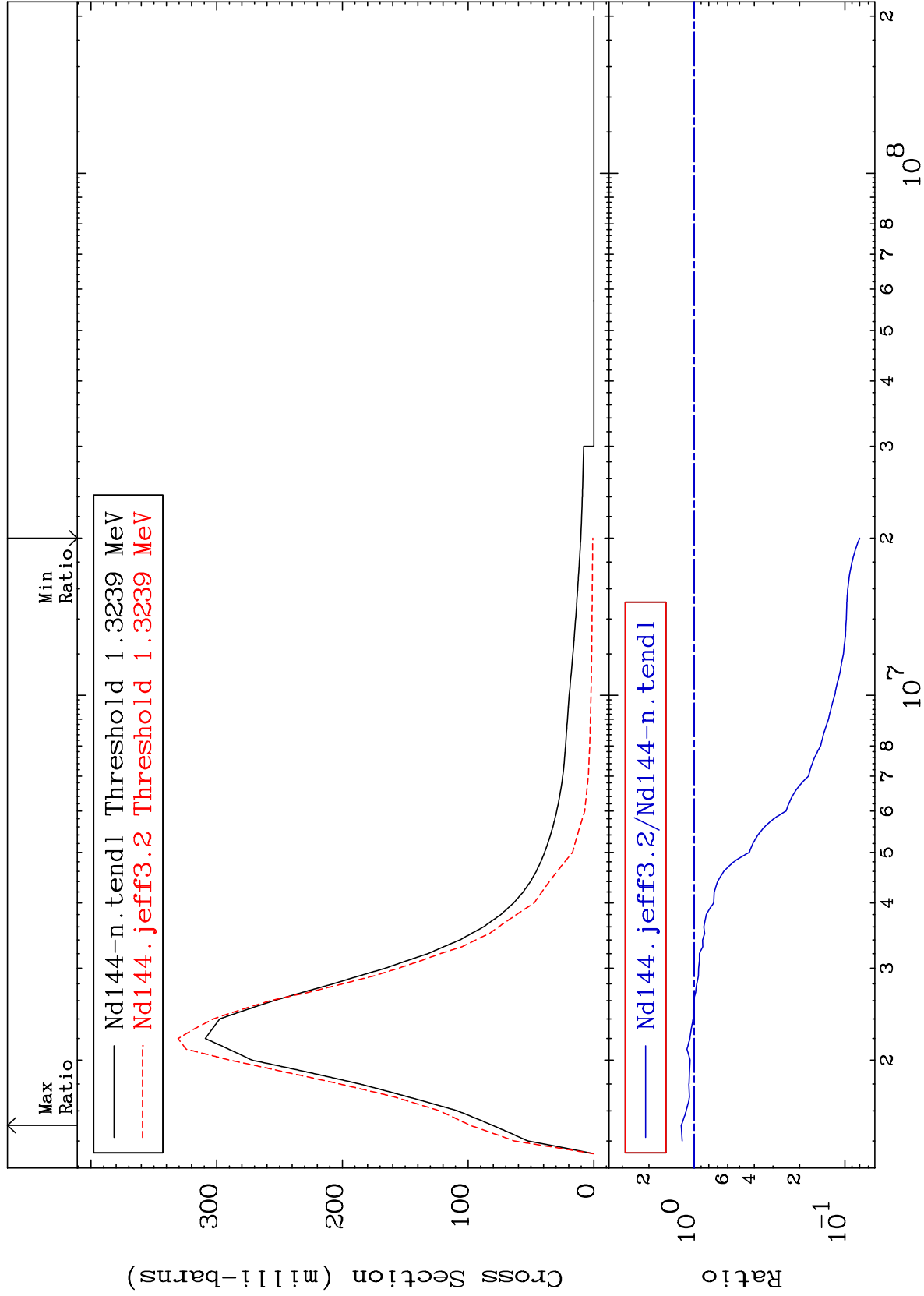
60-Nd-144
-28.79 To 29.47 %



MAT 6031

1.315 MeV (n,n') Level
Cross Section

60-Nd-144
-92.01 To 22.12 %

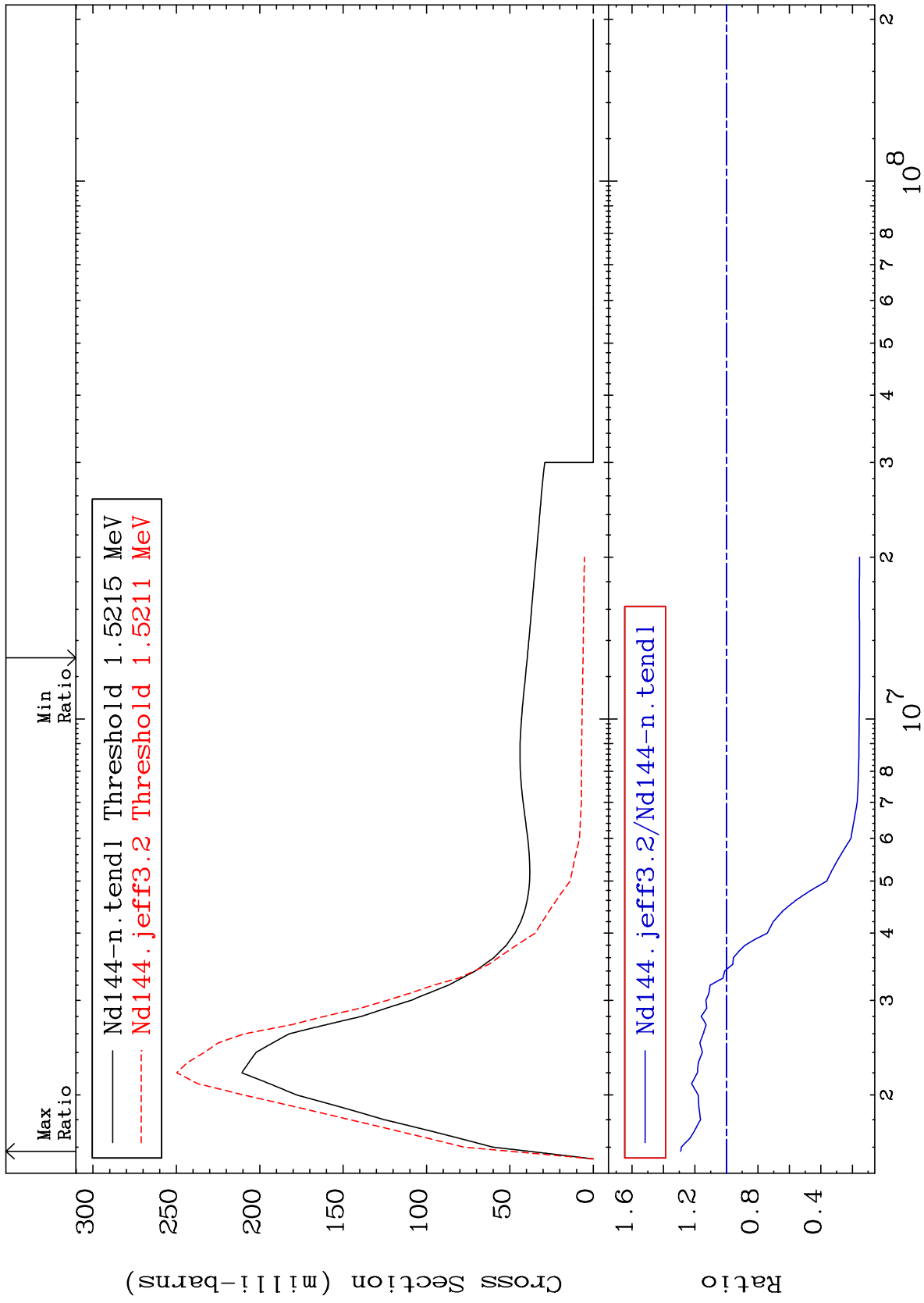


11

Incident Energy (eV)

60-Nd-144

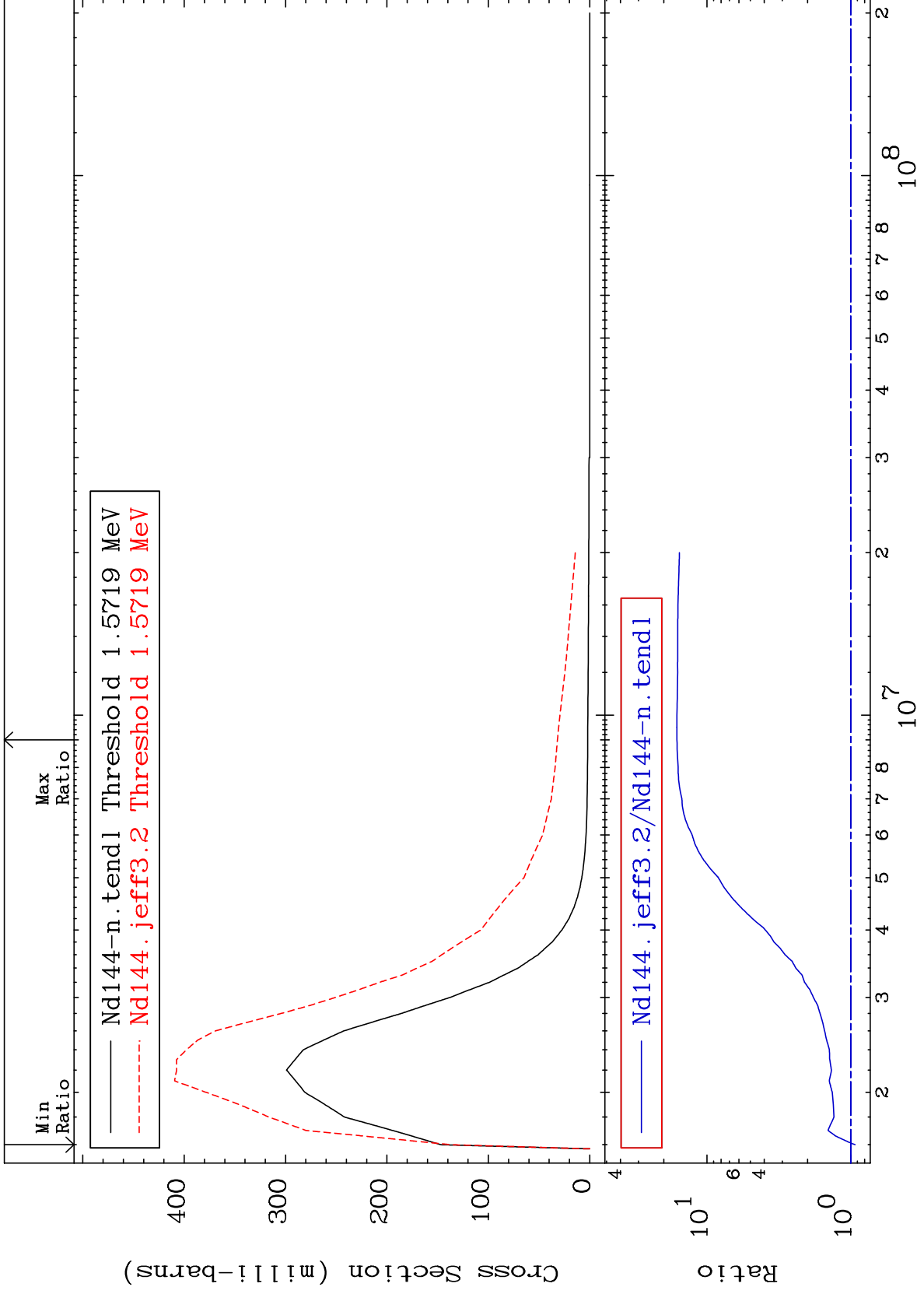
MAT 6031 1.511 MeV (n,n') Level 60-Nd-144
 Cross Section -84.53 To 29.02 %



MAT 6031

1.561 MeV (n,n') Level
Cross Section

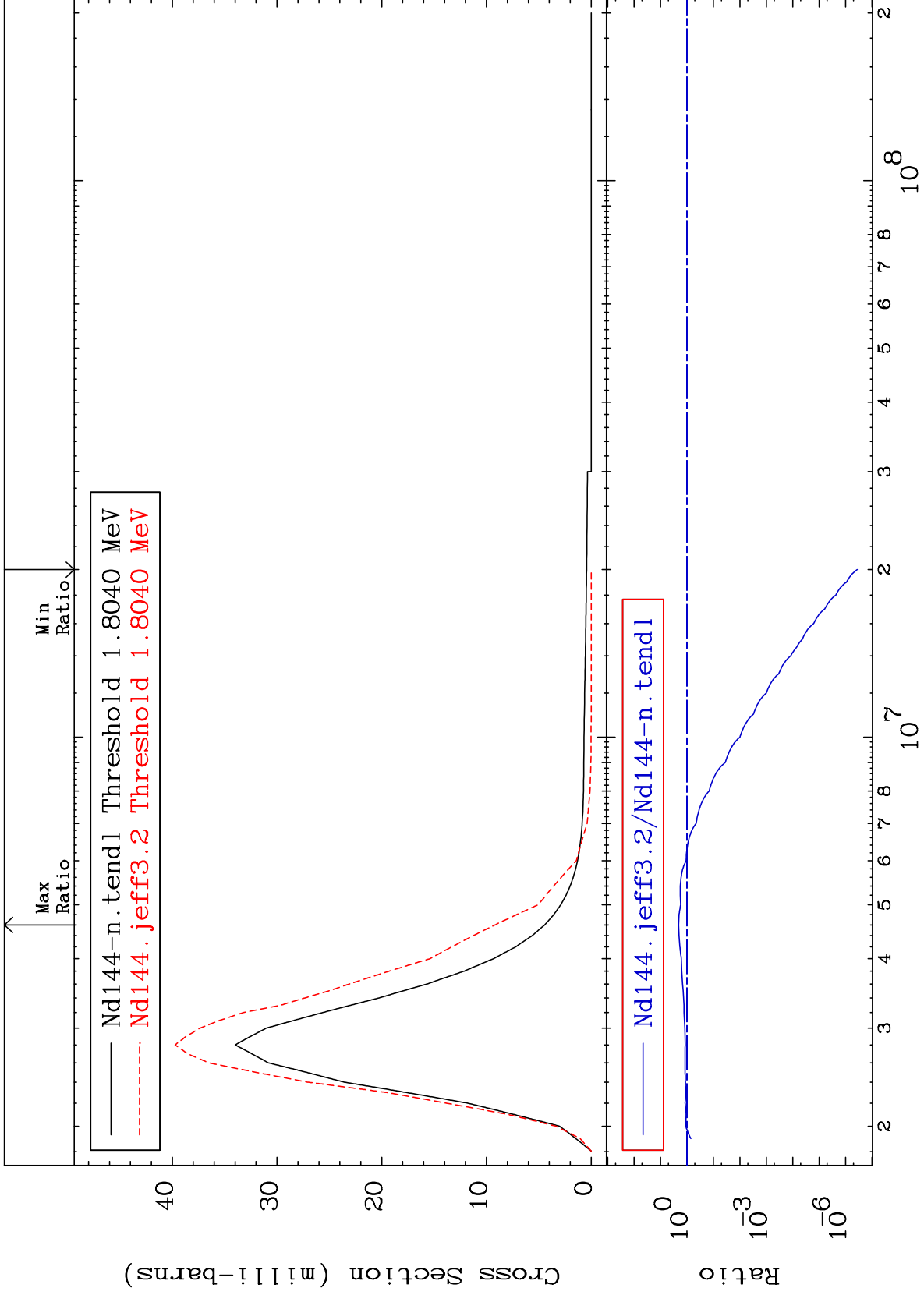
60-Nd-144
-6.667 To 1521. %



MAT 6031

1.791 MeV (n,n') Level
Cross Section

60-Nd-144
-100.0 To 106.3 %



14

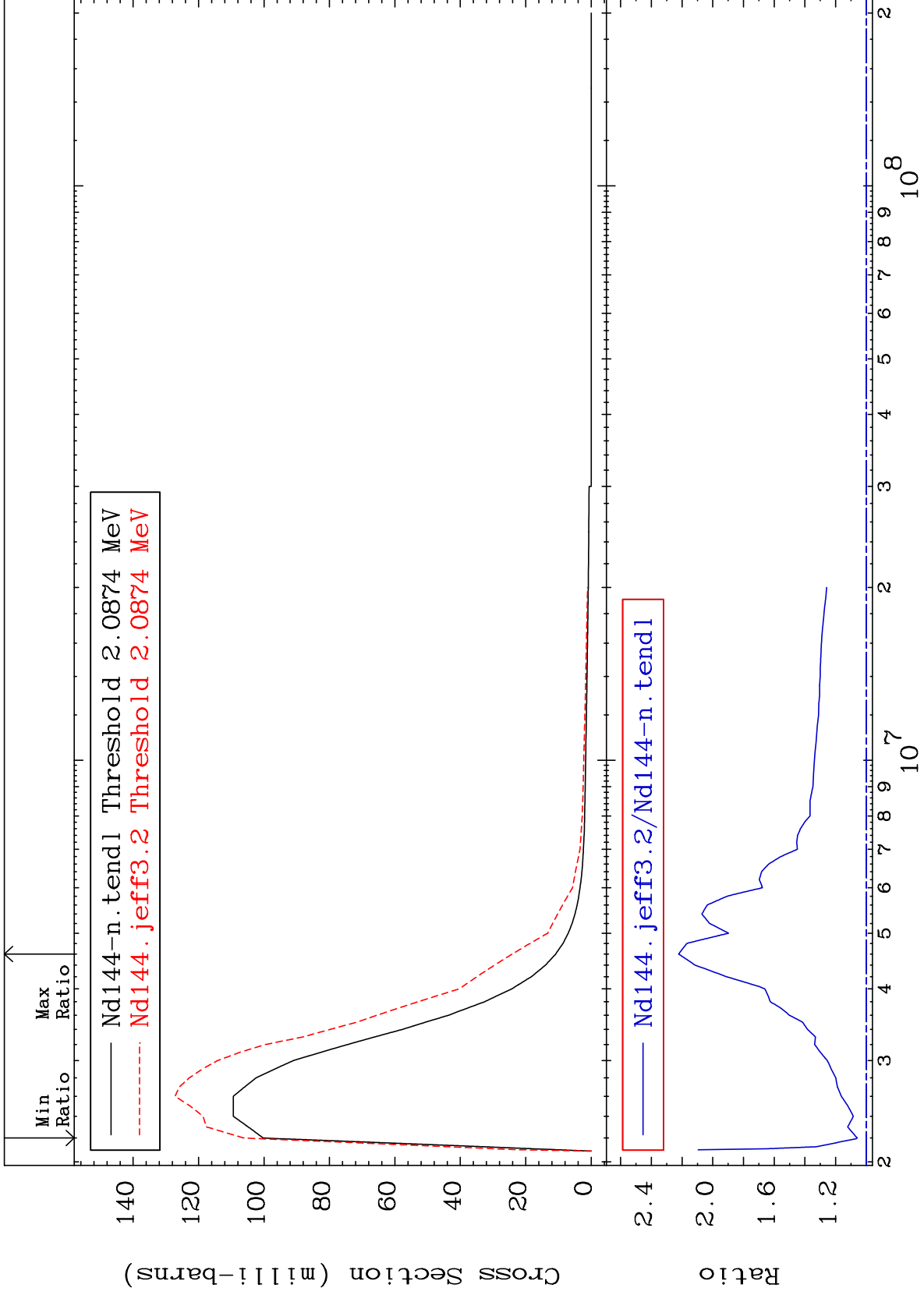
Incident Energy (eV)

60-Nd-144

MAT 6031

2.073 MeV (n,n') Level
Cross Section

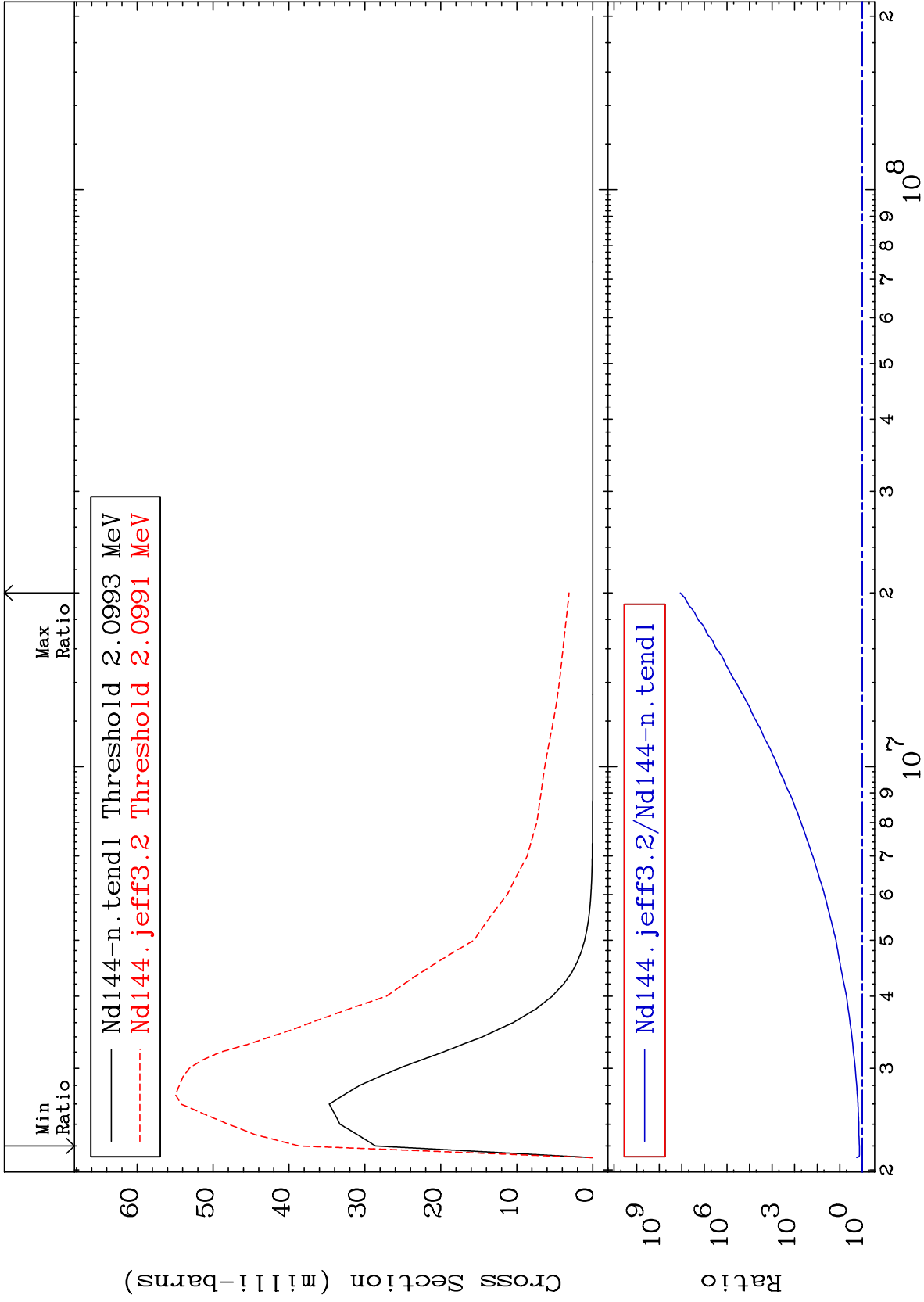
60-Nd-144
5.928 To 122.2 %



MAT 6031

2.085 MeV (n,n') Level
Cross Section

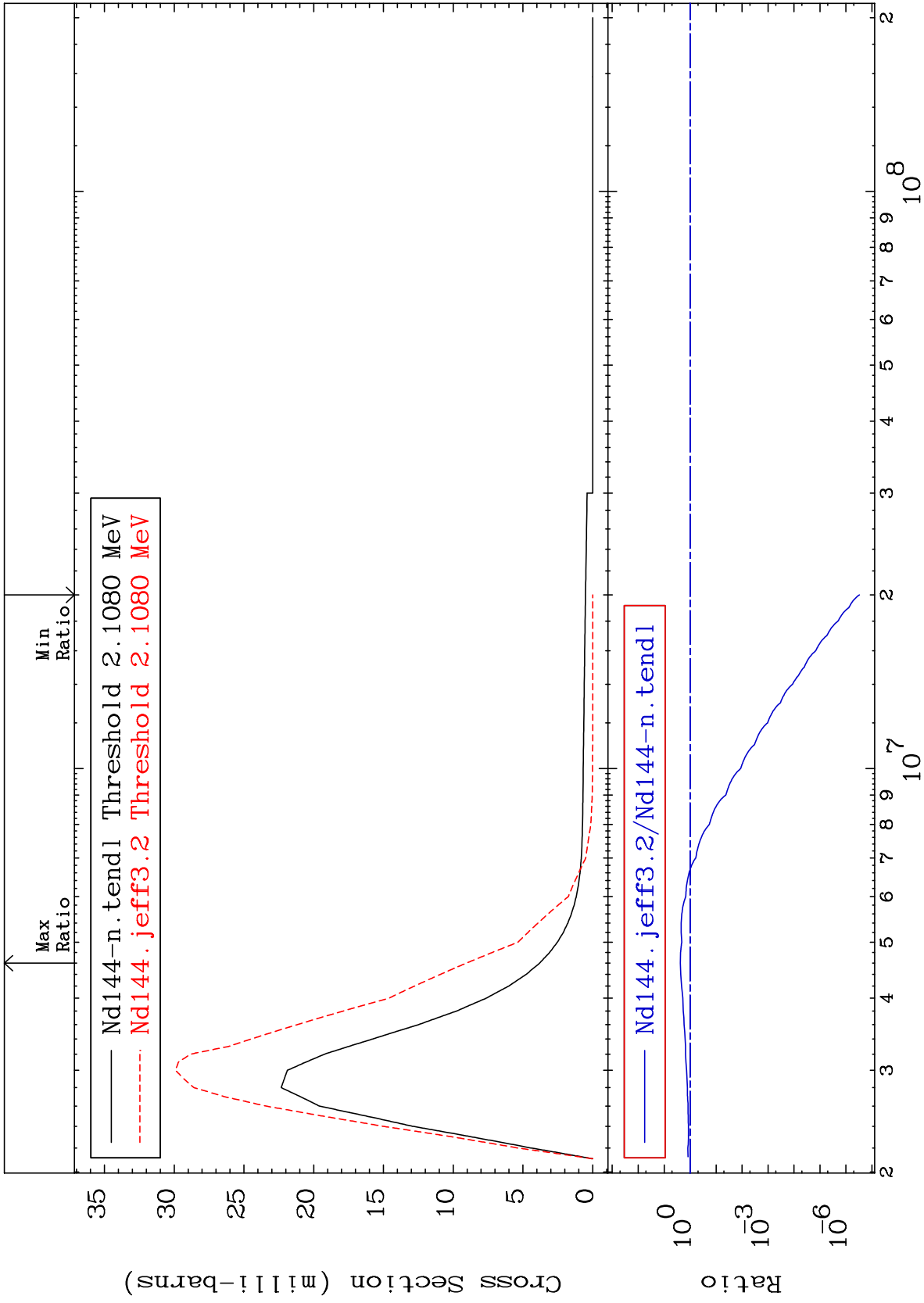
60-Nd-144
35.11 To 9999. %



MAT 6031

2.093 MeV (n,n') Level
Cross Section

60-Nd-144
-100.0 To 137.8 %



17

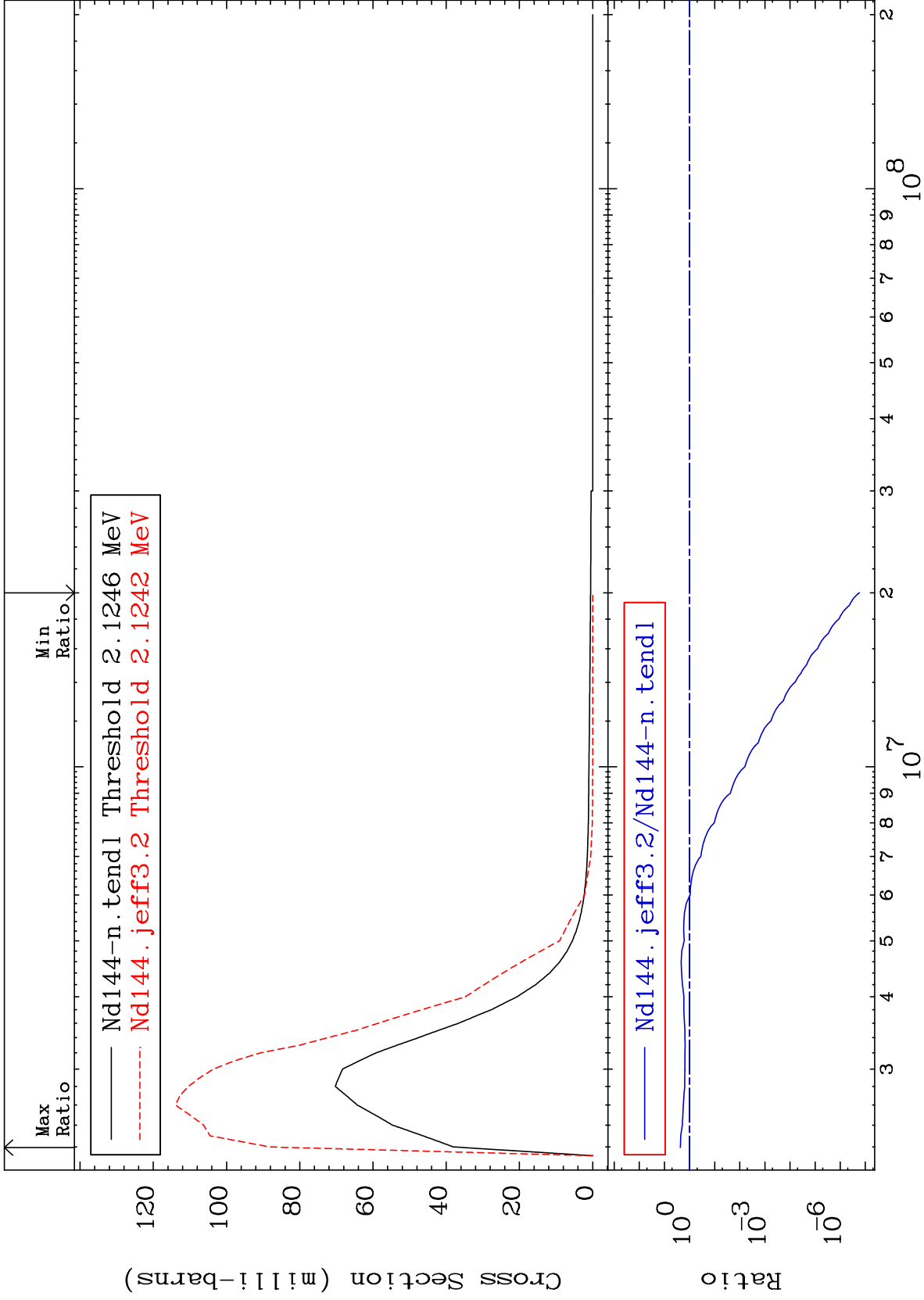
Incident Energy (eV)

60-Nd-144

MAT 6031

2.110 MeV (n,n') Level
Cross Section

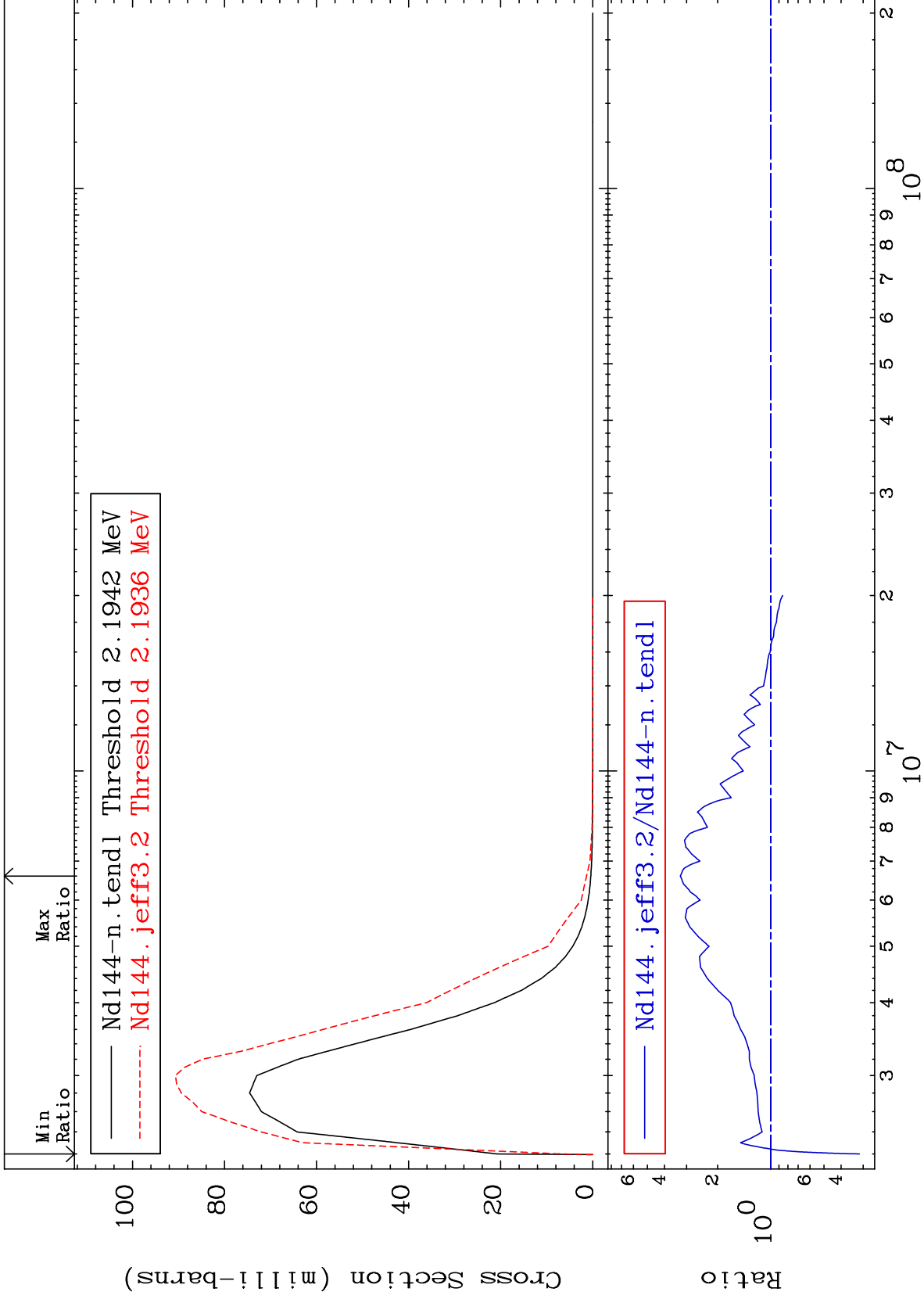
60-Nd-144
-100.0 To 132.0 %



MAT 6031

2.179 MeV (n,n') Level
Cross Section

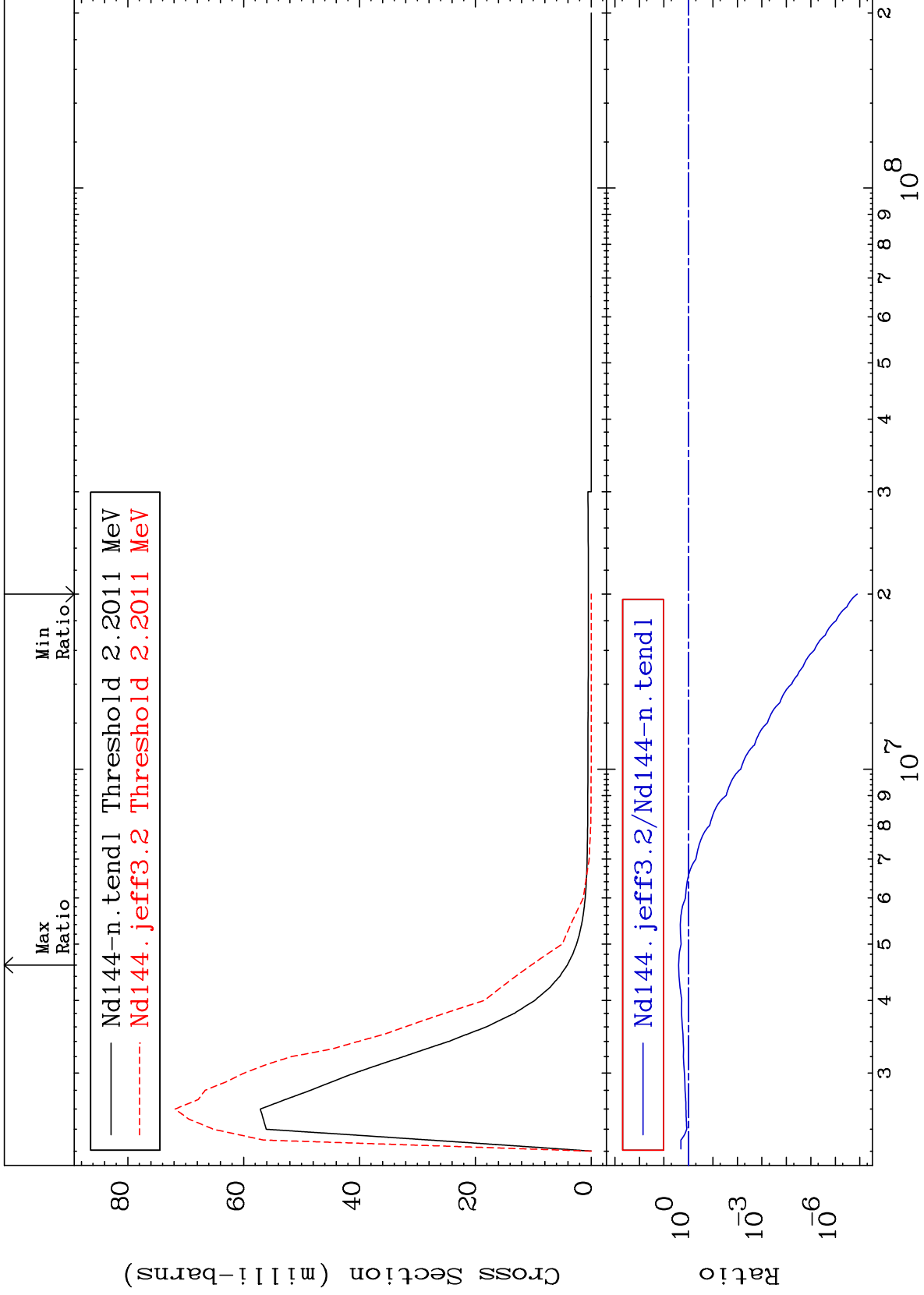
60-Nd-144
-68.48 To 225.3 %



MAT 6031

2.186 MeV (n,n') Level
Cross Section

60-Nd-144
-100.0 To 150.4 %



20

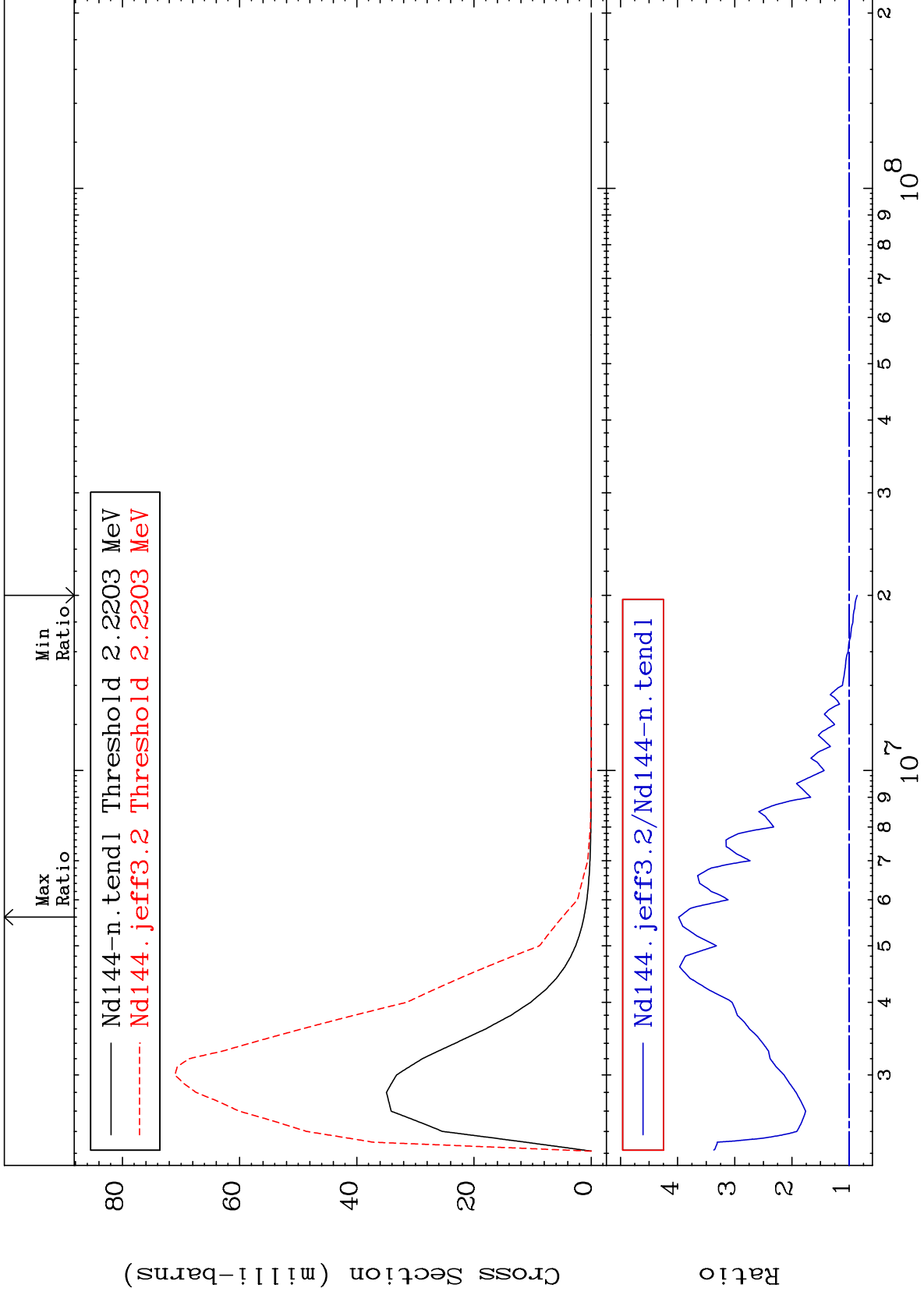
60-Nd-144

60-Nd-144

MAT 6031

2.205 MeV (n,n') Level
Cross Section

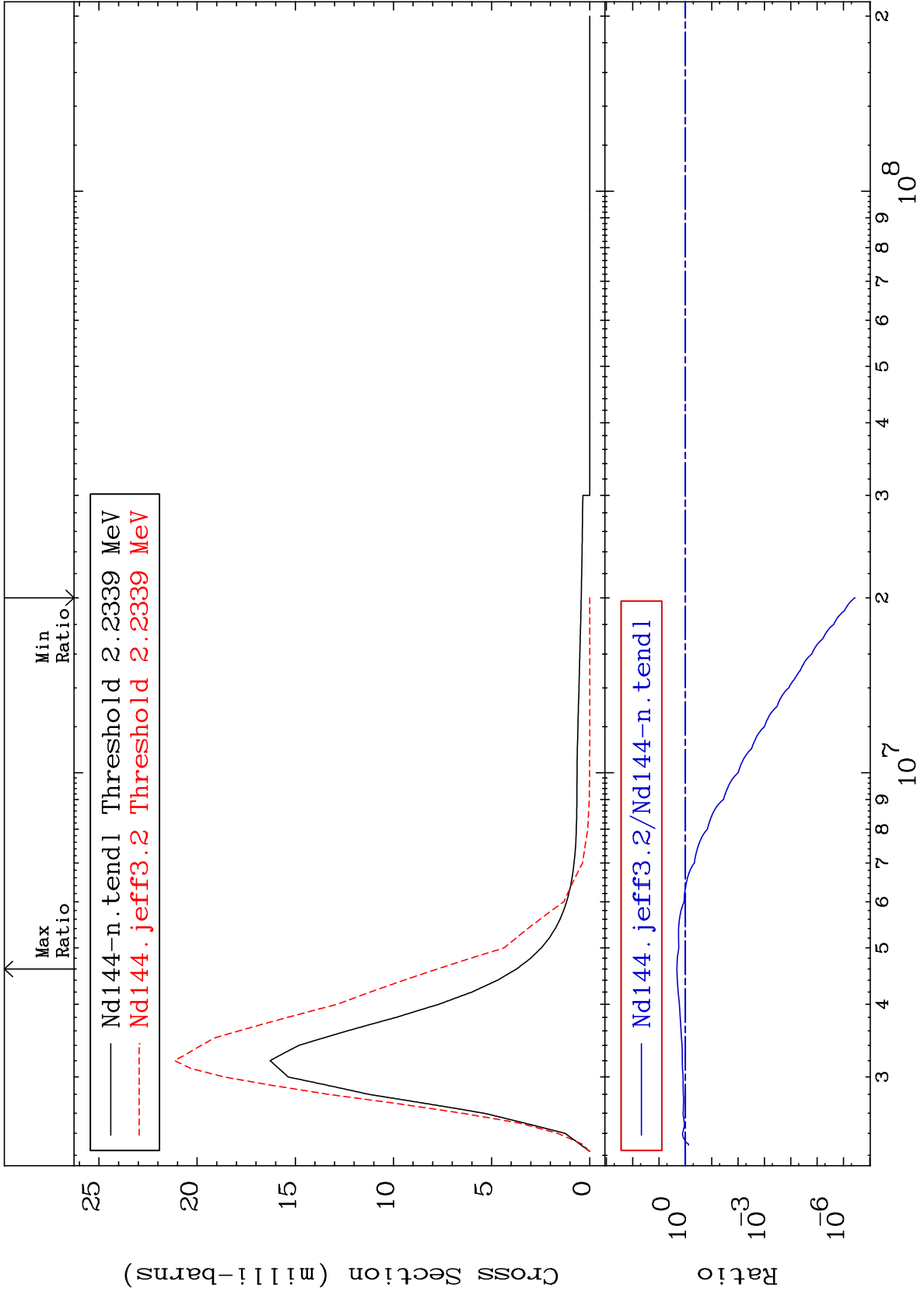
60-Nd-144
-14.25 To 298.3 %



MAT 6031

2.218 MeV (n,n') Level
Cross Section

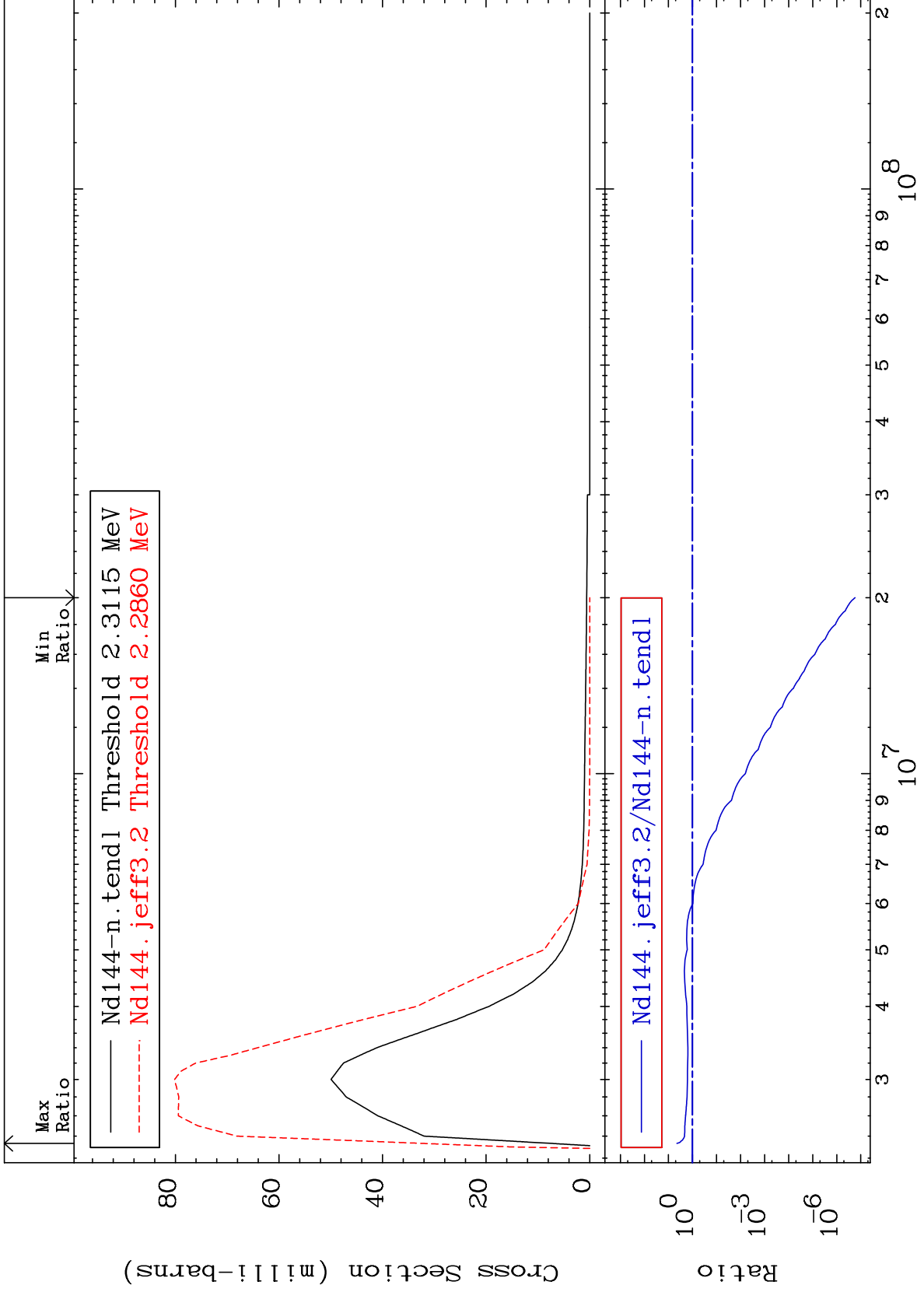
60-Nd-144
-100.0 To 108.4 %



MAT 6031

2.295 MeV (n,n') Level
Cross Section

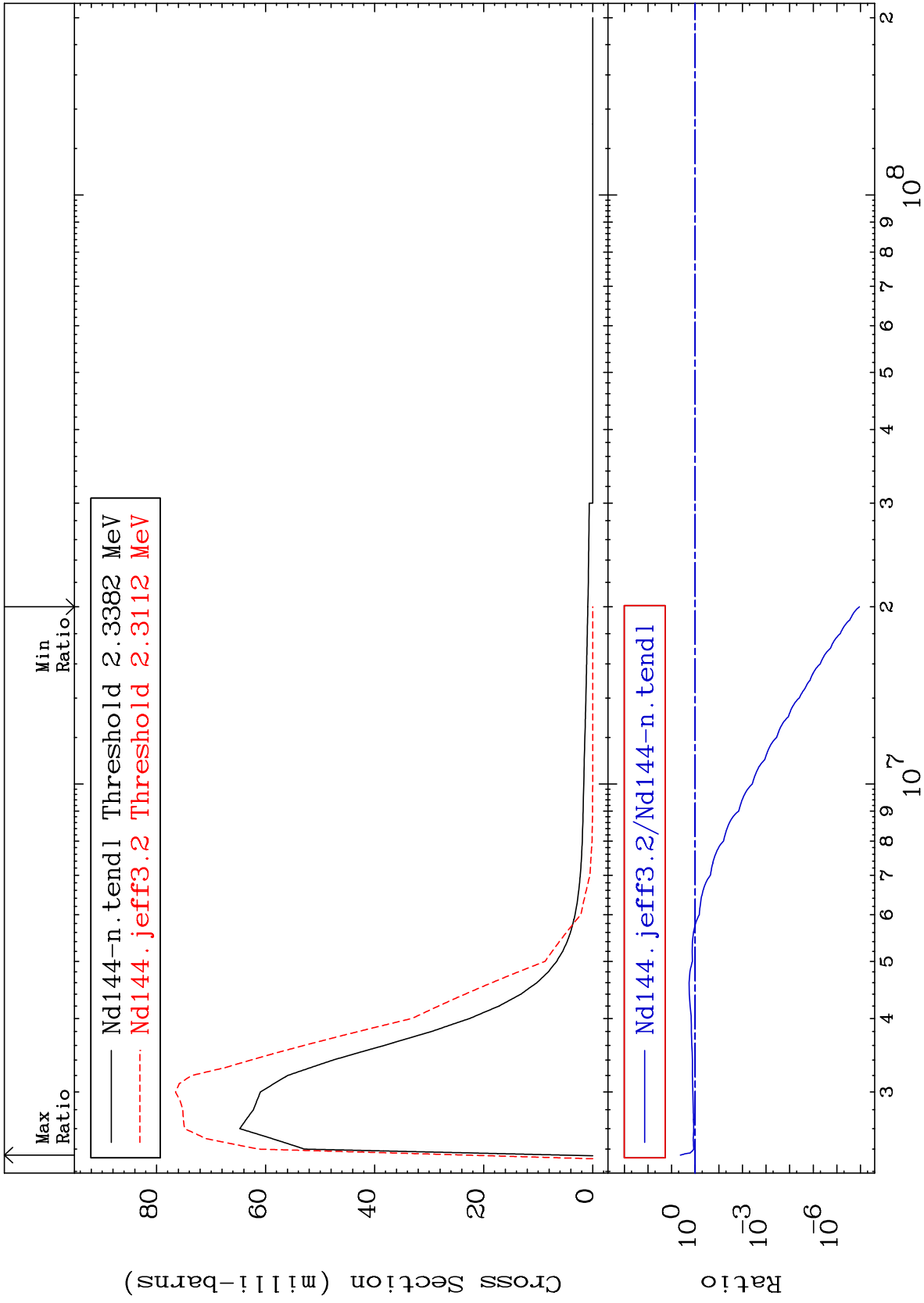
60-Nd-144
-100.0 To 344.3 %



MAT 6031

2.322 MeV (n,n') Level
Cross Section

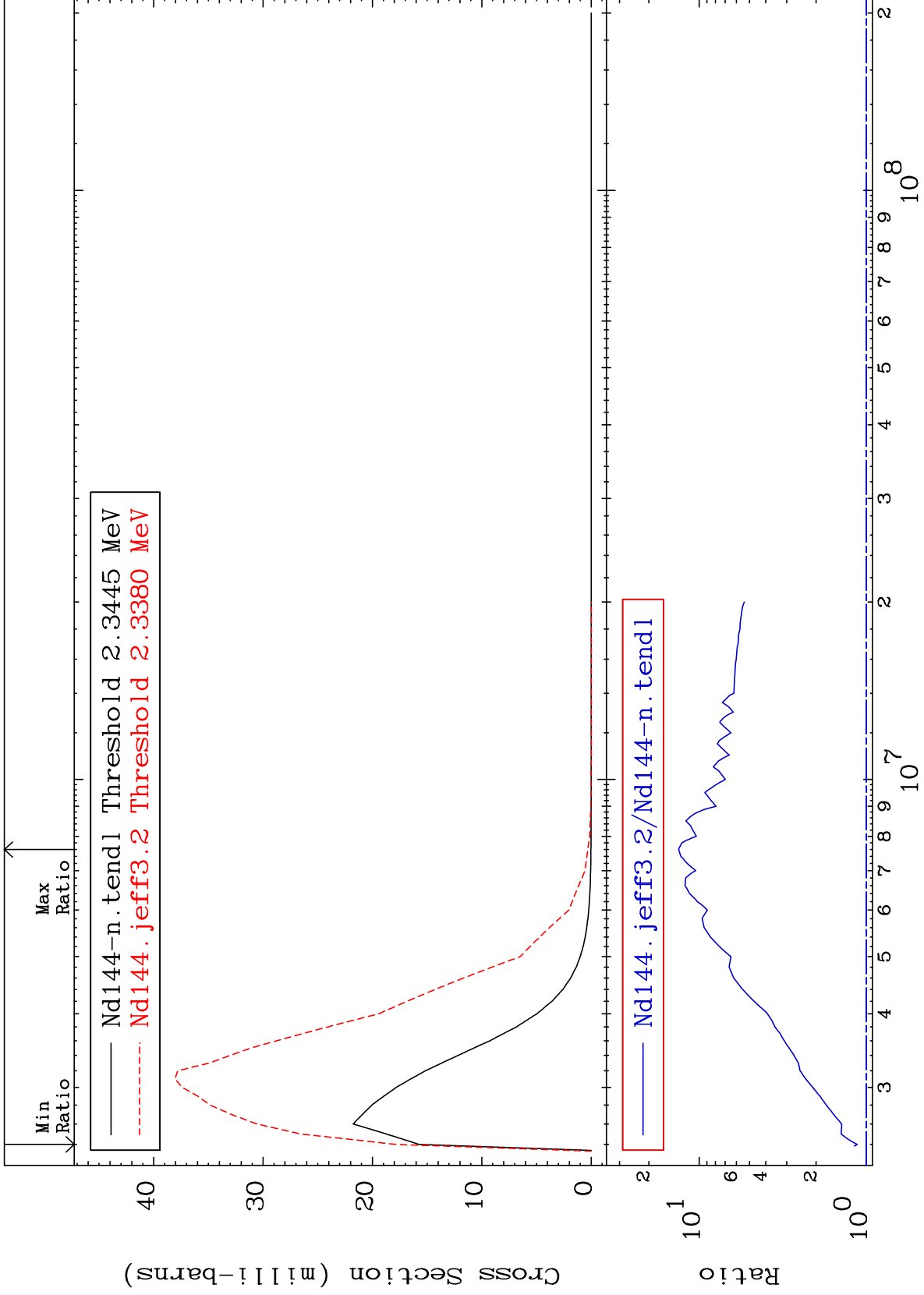
60-Nd-144
-100.0 To 325.1 %



MAT 6031

2.328 MeV (n,n') Level
Cross Section

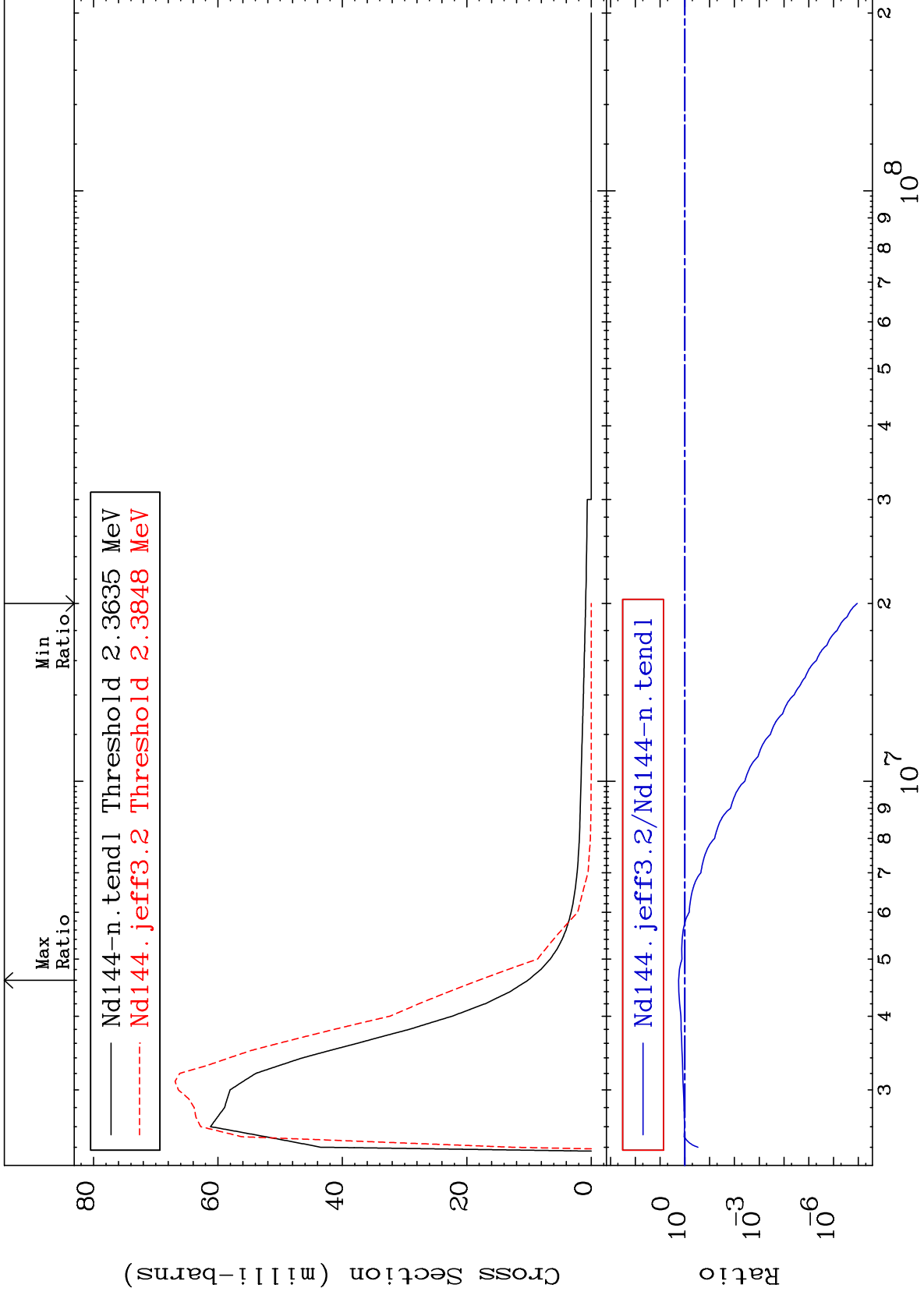
60-Nd-144
13.55 To 1228. %



MAT 6031

2.347 MeV (n,n') Level
Cross Section

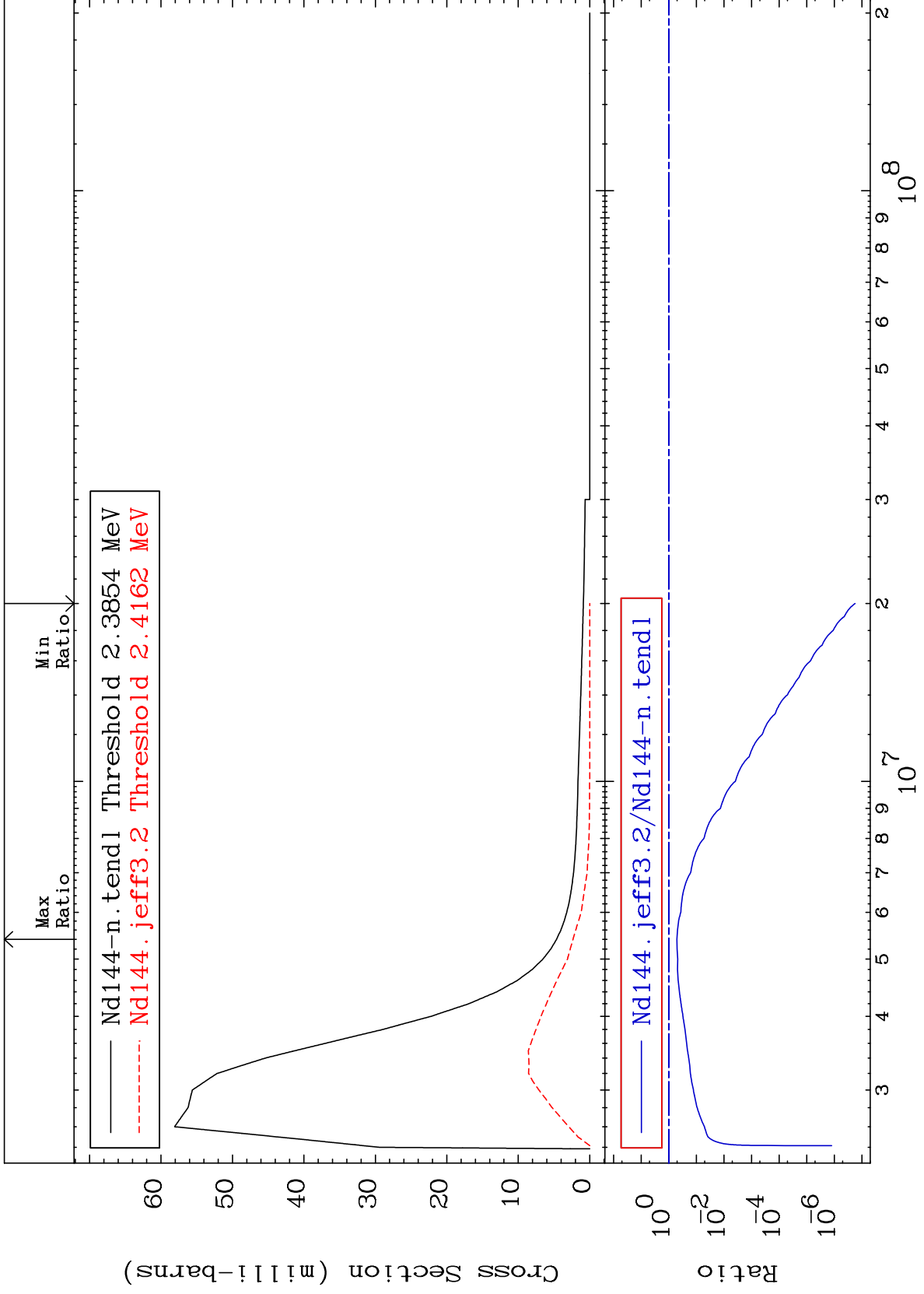
60-Nd-144
-100.0 To 78.16 %



MAT 6031

2.369 MeV (n,n') Level
Cross Section

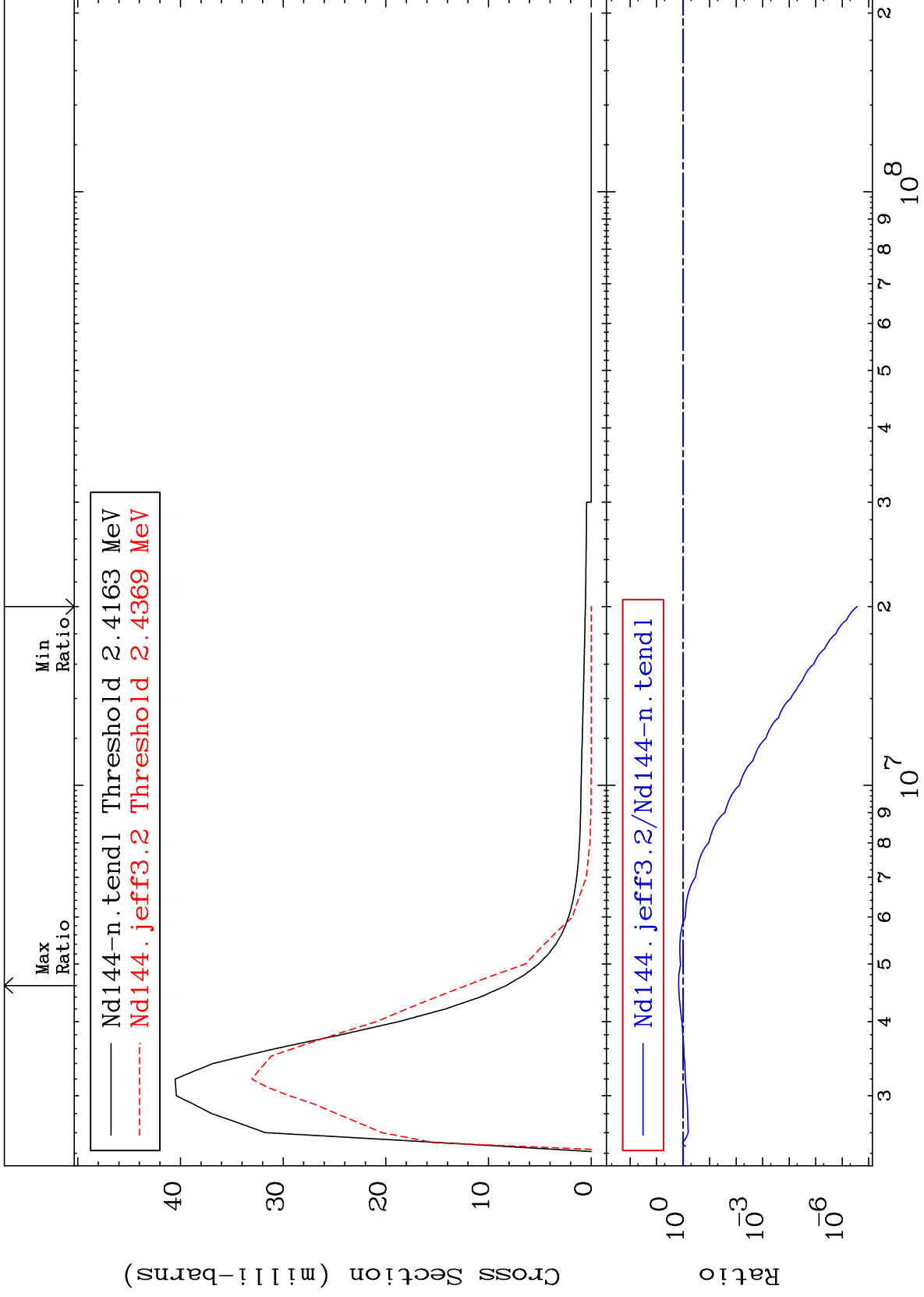
60-Nd-144
-100.0 To -49.53%



MAT 6031

2.399 MeV (n,n') Level
Cross Section

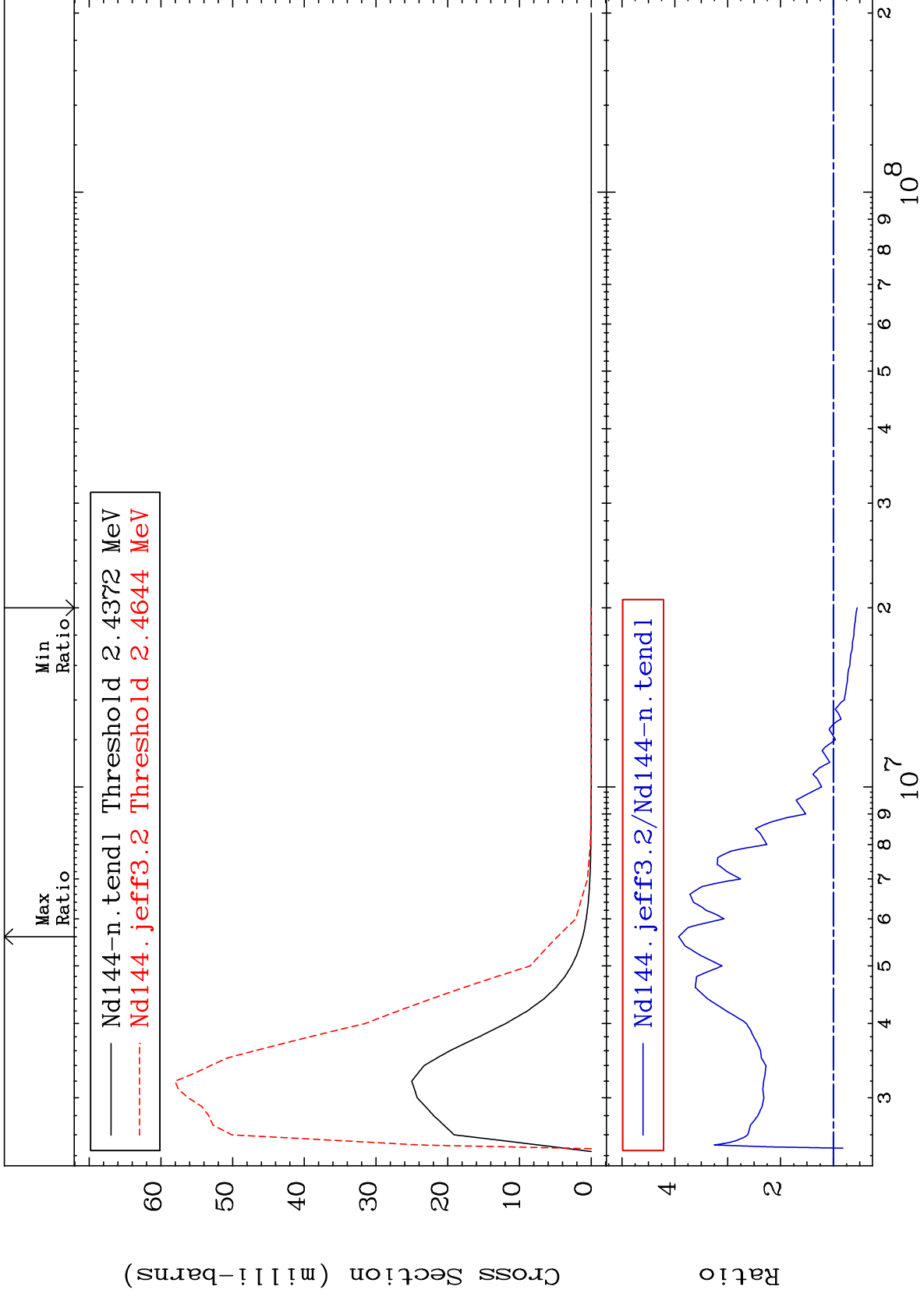
60-Nd-144
-100.0 To 47.34 %



MAT 6031

2.420 MeV (n,n') Level
Cross Section

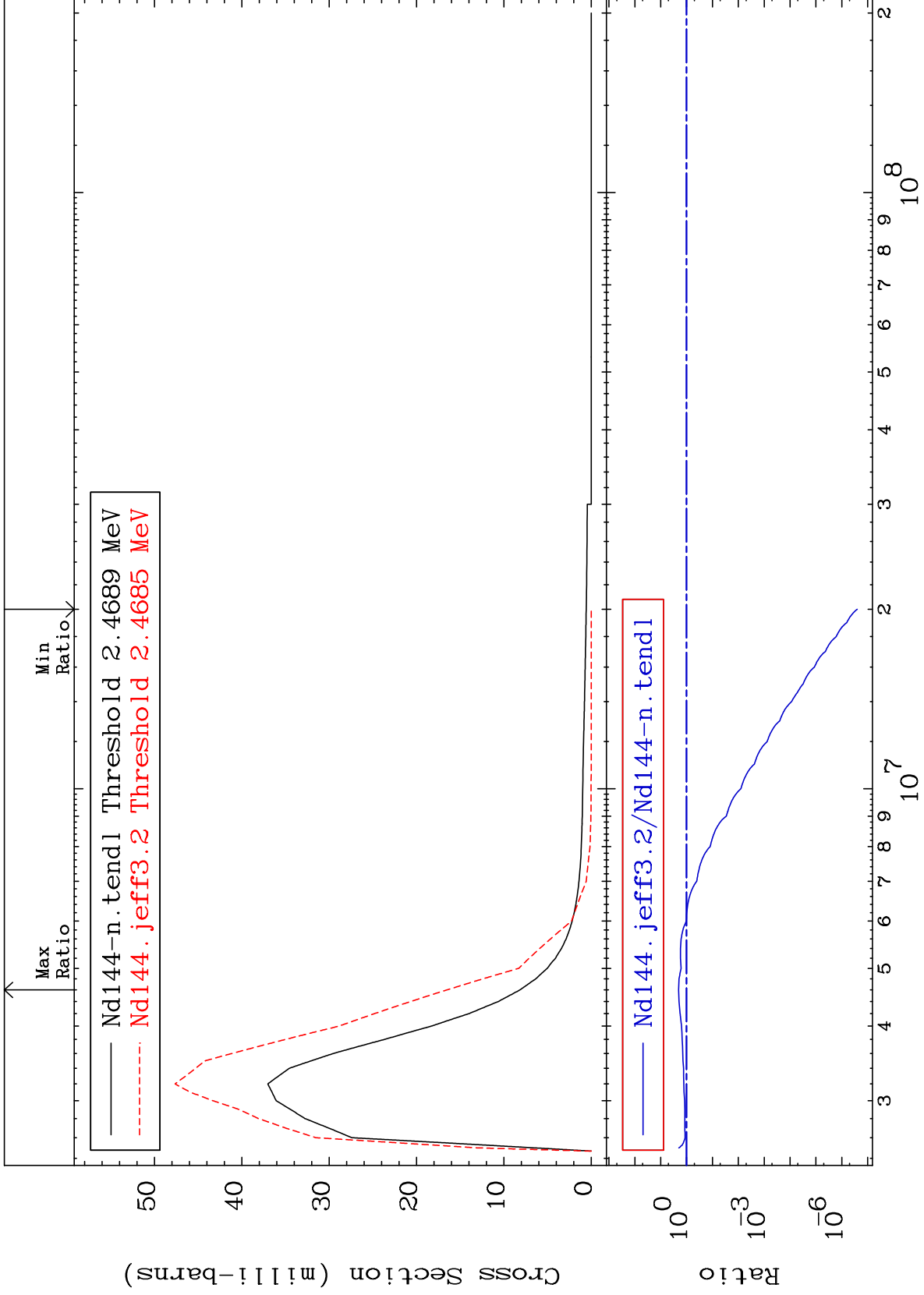
60-Nd-144
-45.21 To 292.7 %



MAT 6031

2.452 MeV (n,n') Level
Cross Section

60-Nd-144
-100.0 To 102.9 %



30

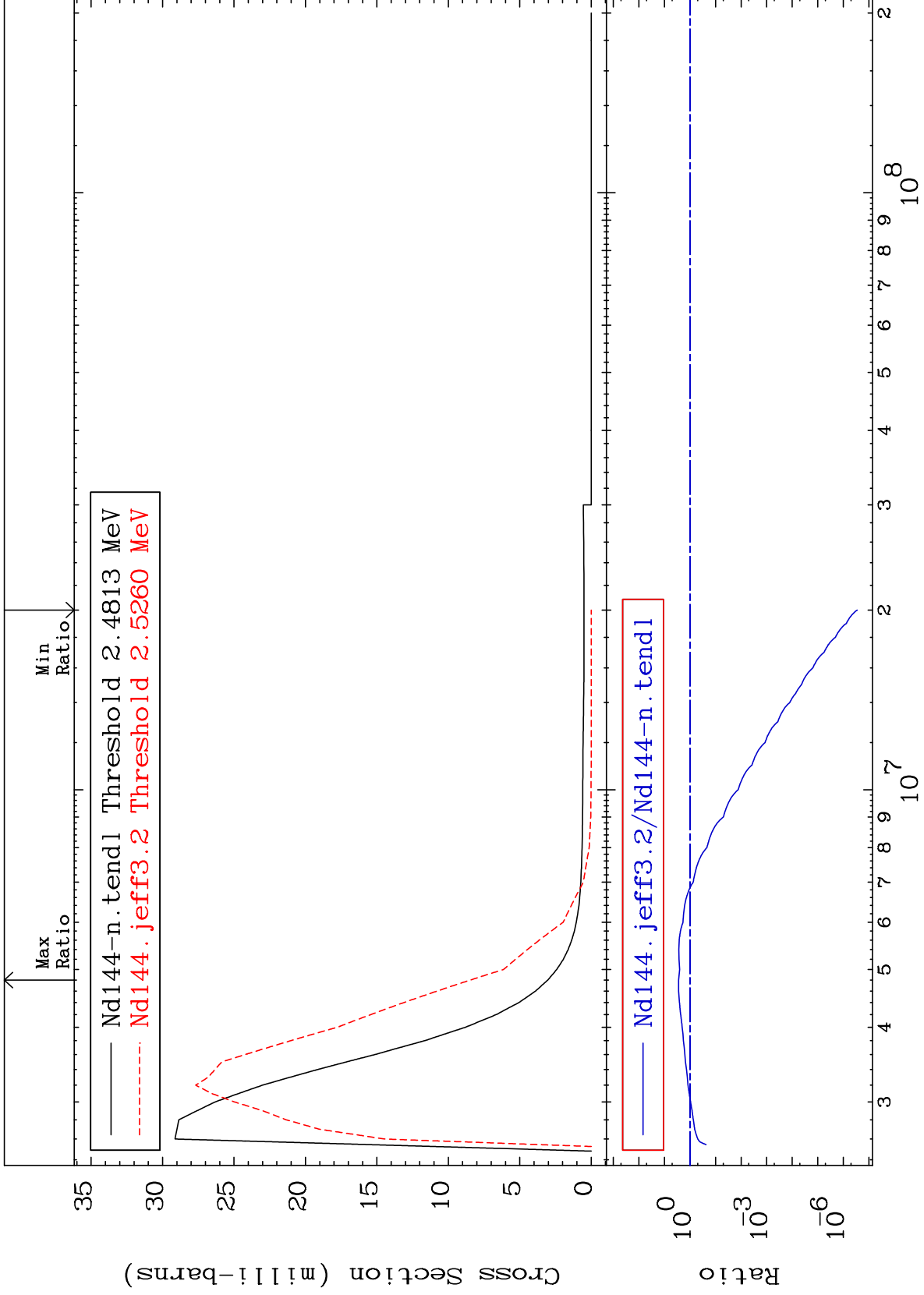
Incident Energy (eV)

60-Nd-144

MAT 6031

2.464 MeV (n,n') Level
Cross Section

60-Nd-144
-100.0 To 178.6 %



31

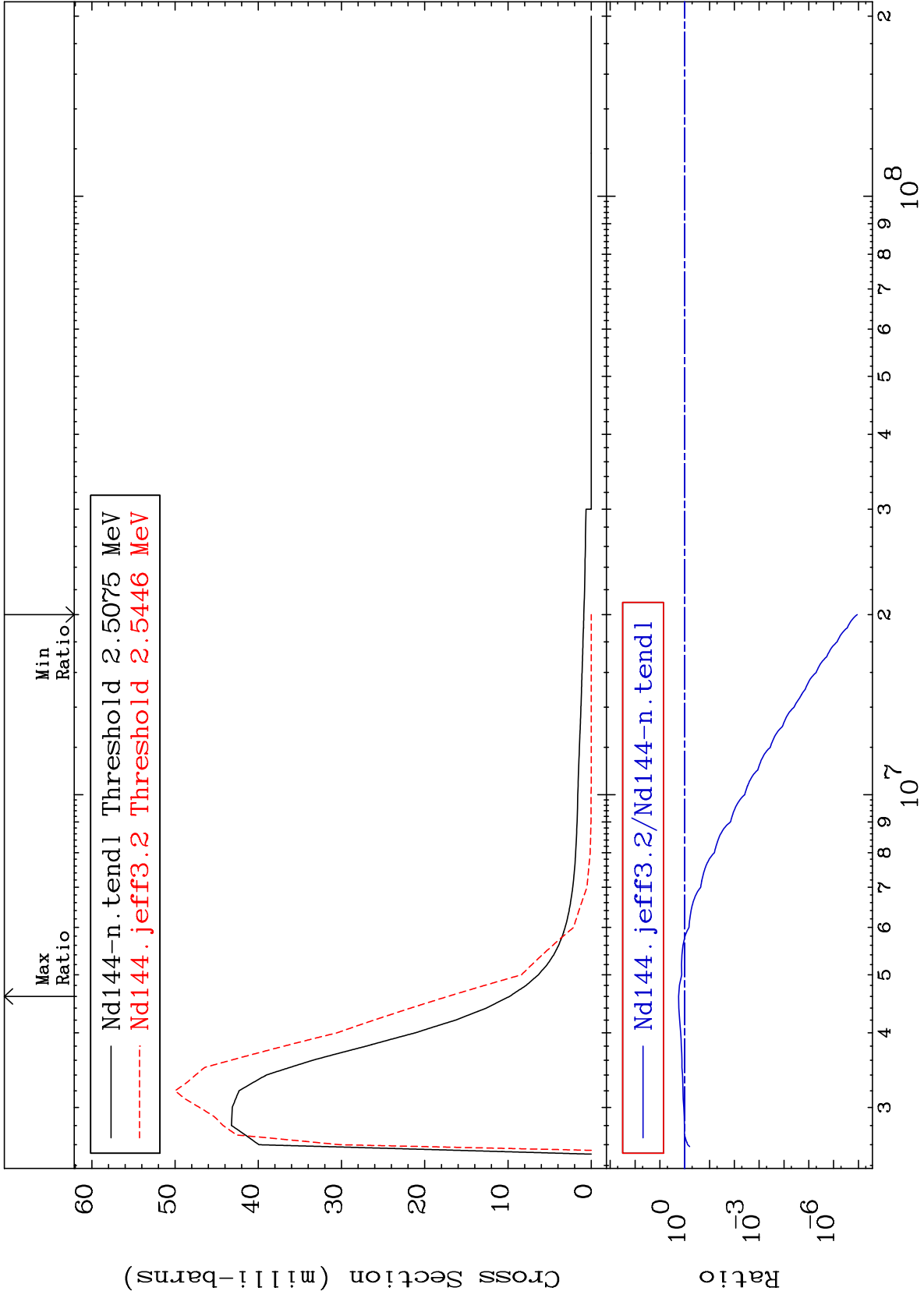
Incident Energy (eV)

60-Nd-144

MAT 6031

2.490 MeV (n,n') Level
Cross Section

60-Nd-144
-100.0 To 75.48 %



32

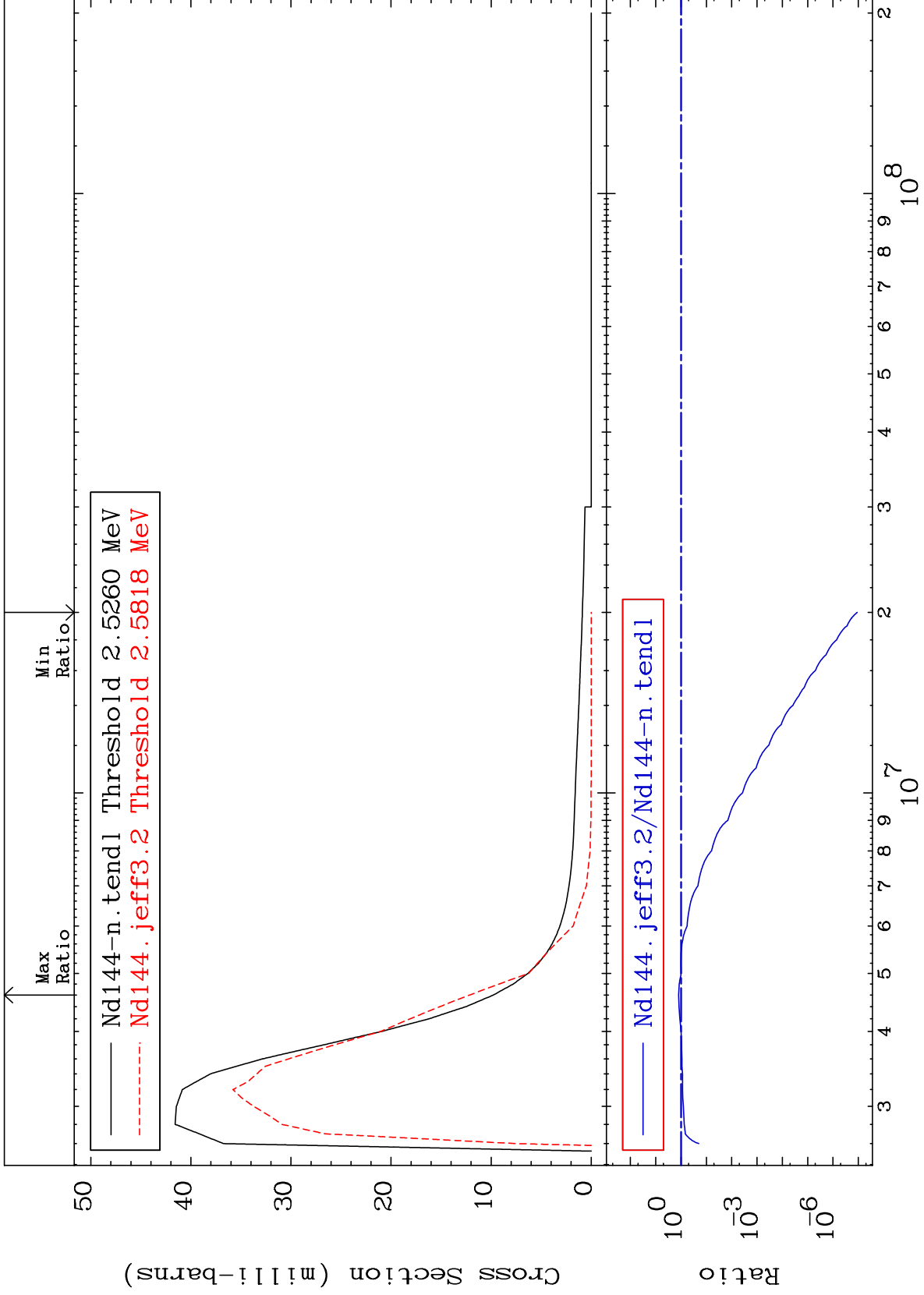
Incident Energy (eV)

60-Nd-144

MAT 6031

2.508 MeV (n,n') Level
Cross Section

60-Nd-144
-100.0 To 24.44 %



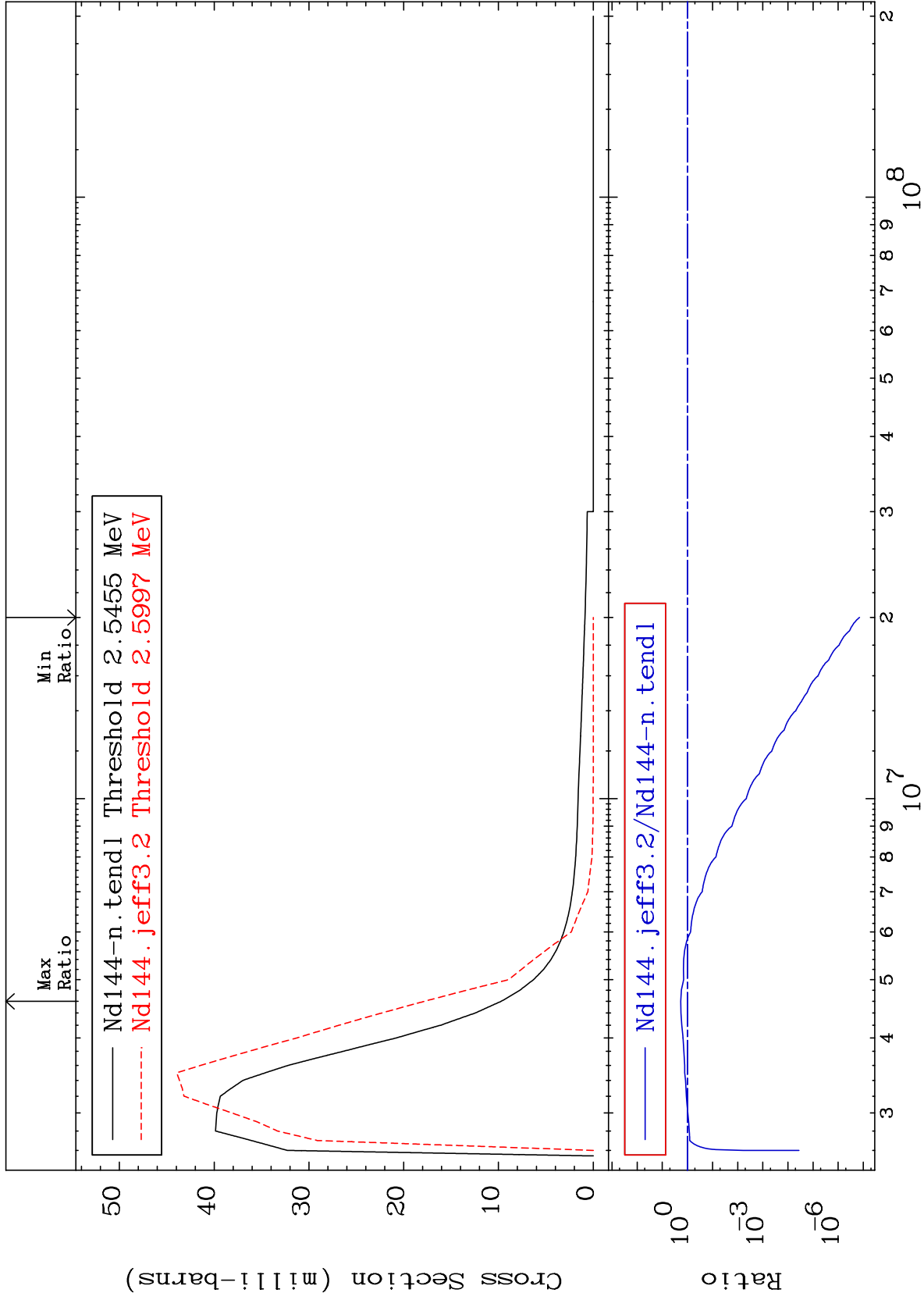
MAT 6031

2.528 MeV (n,n') Level

60-Nd-144

-100.0 To 83.46 %

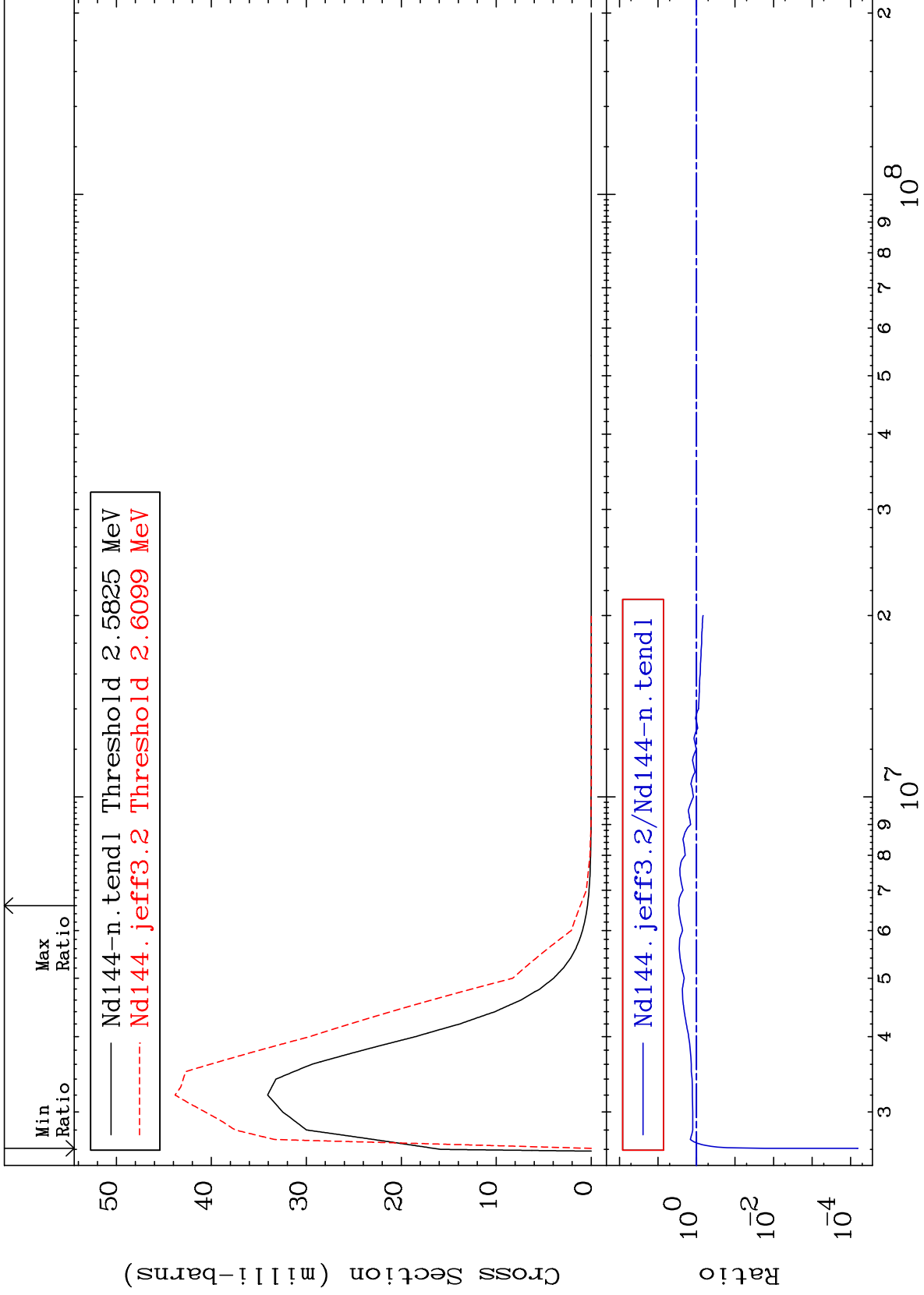
Cross Section



MAT 6031

2.565 MeV (n,n') Level
Cross Section

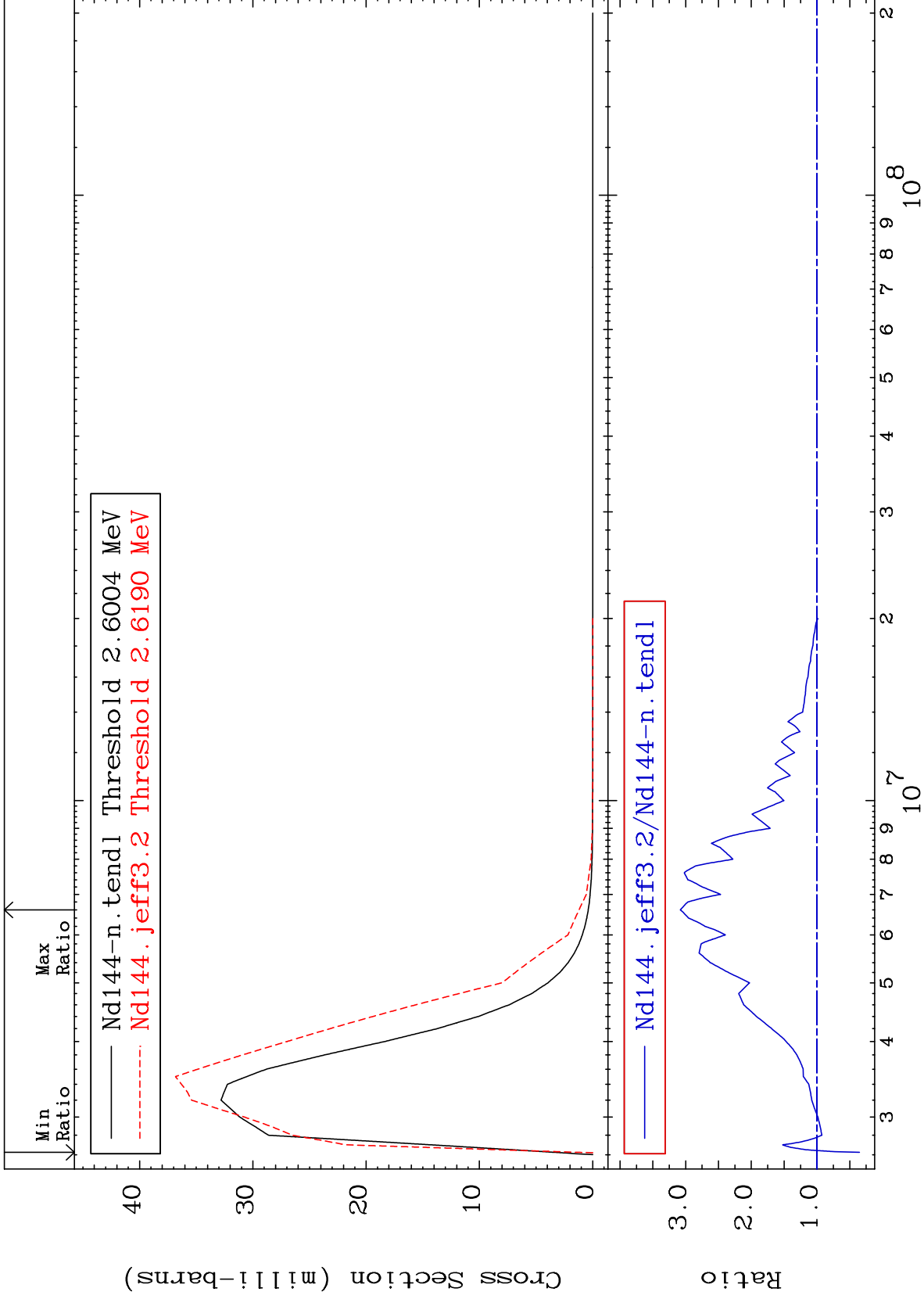
60-Nd-144
-99.99 To 190.8 %



MAT 6031

2.582 MeV (n,n') Level
Cross Section

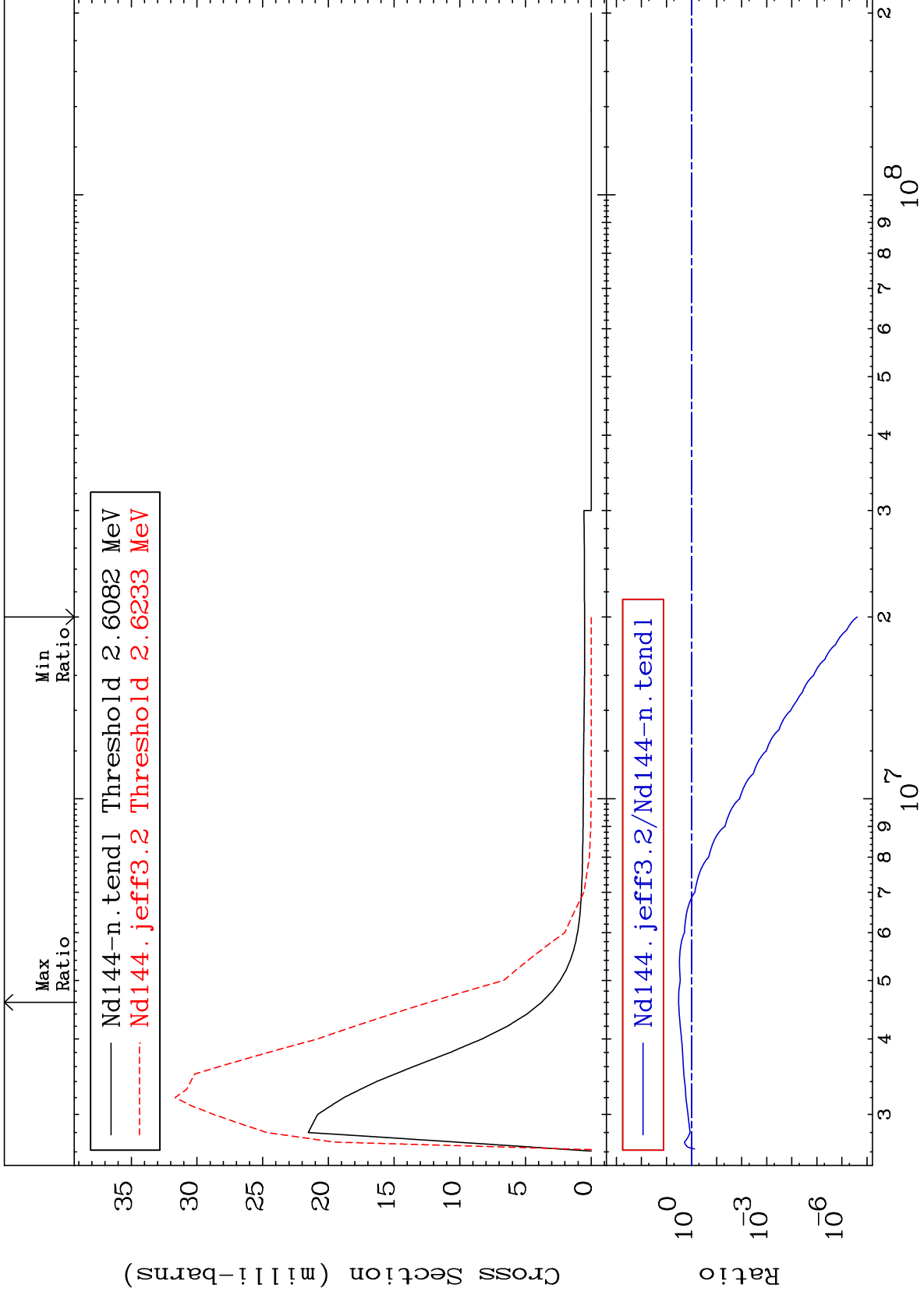
60-Nd-144
-64.71 To 208.1 %



MAT 6031

2.590 MeV (n,n') Level
Cross Section

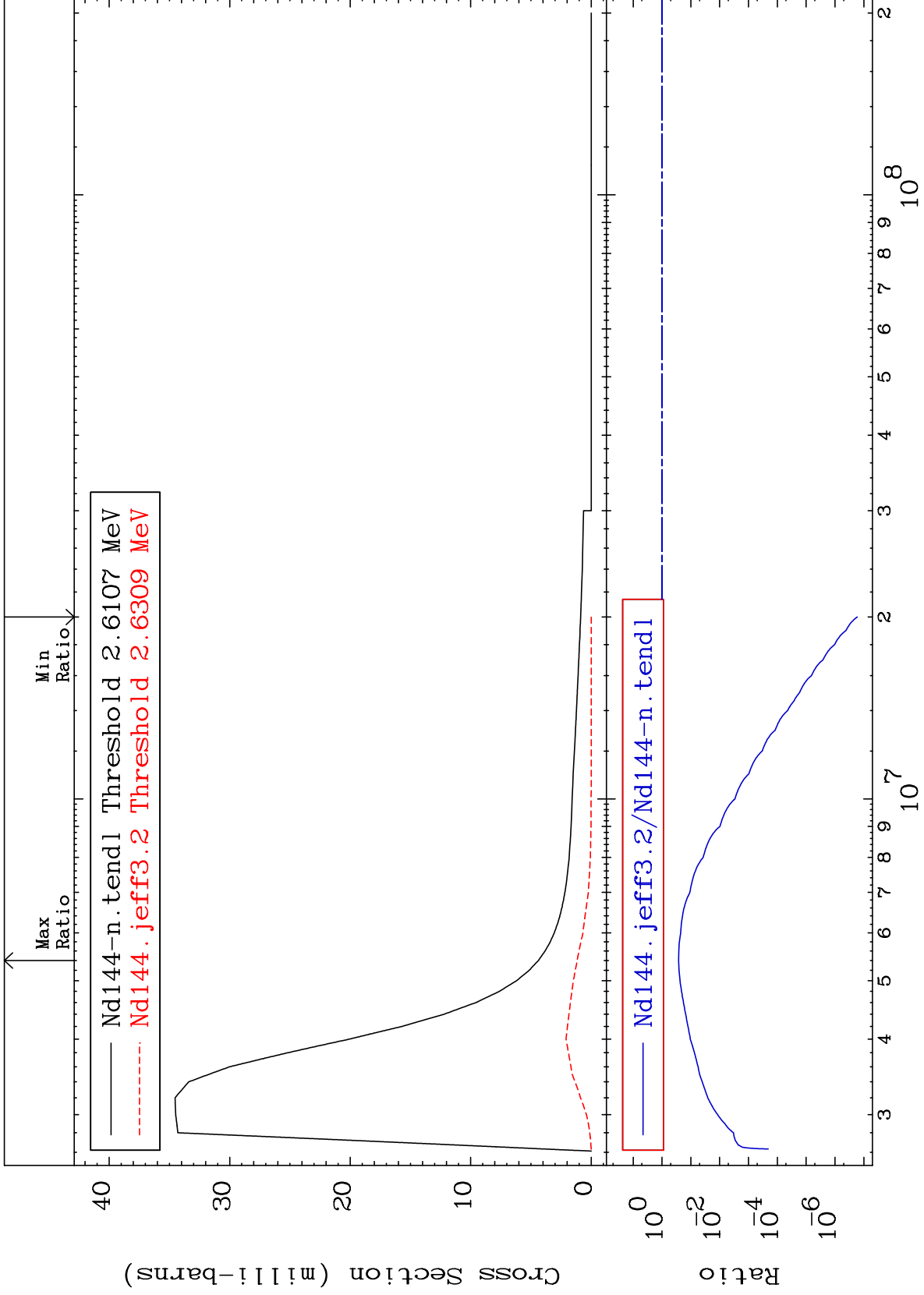
60-Nd-144
-100.0 To 226.4 %



MAT 6031

2.593 MeV (n,n') Level
Cross Section

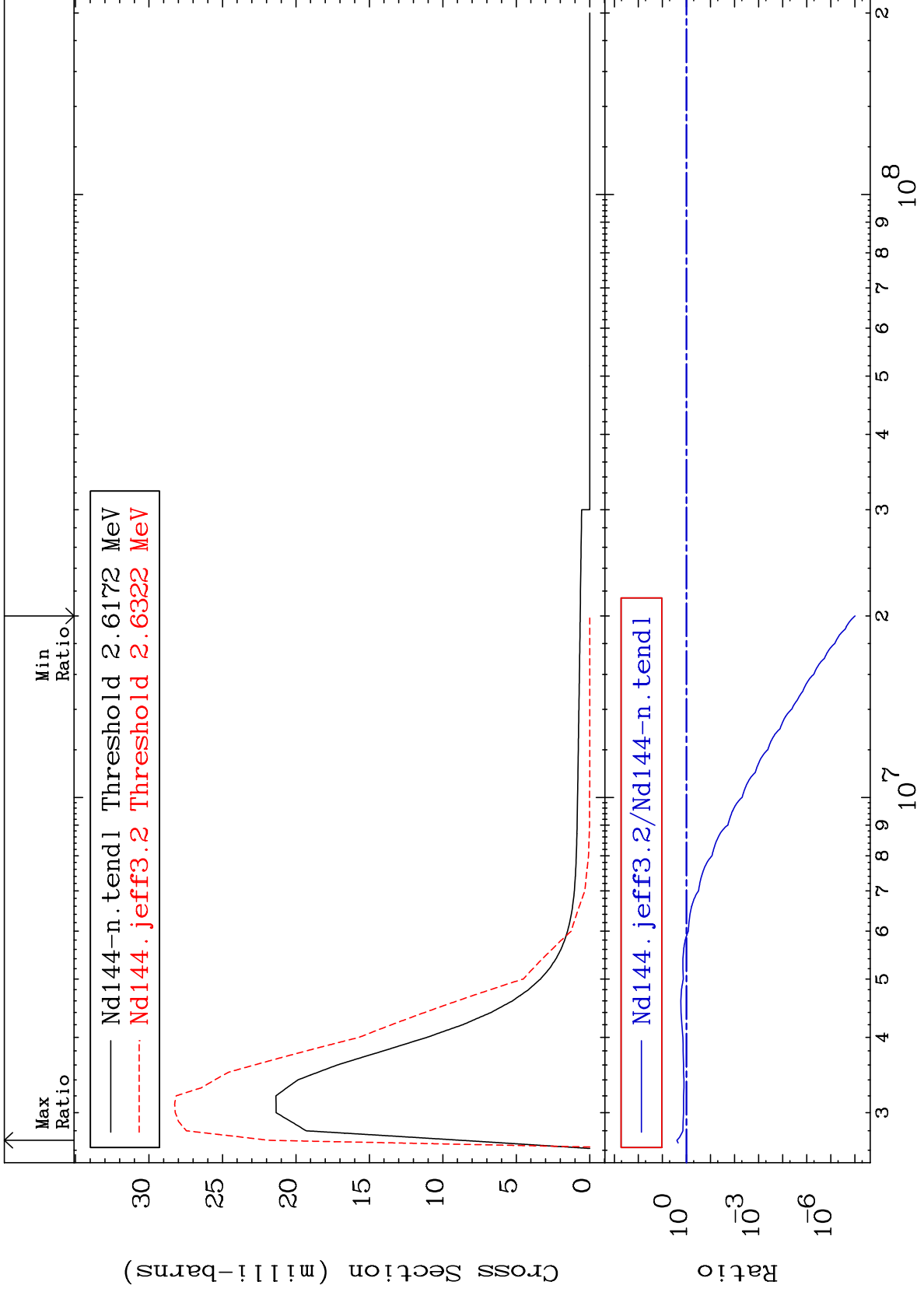
60-Nd-144
-100.0 To -73.51%



MAT 6031

2.599 MeV (n,n') Level
Cross Section

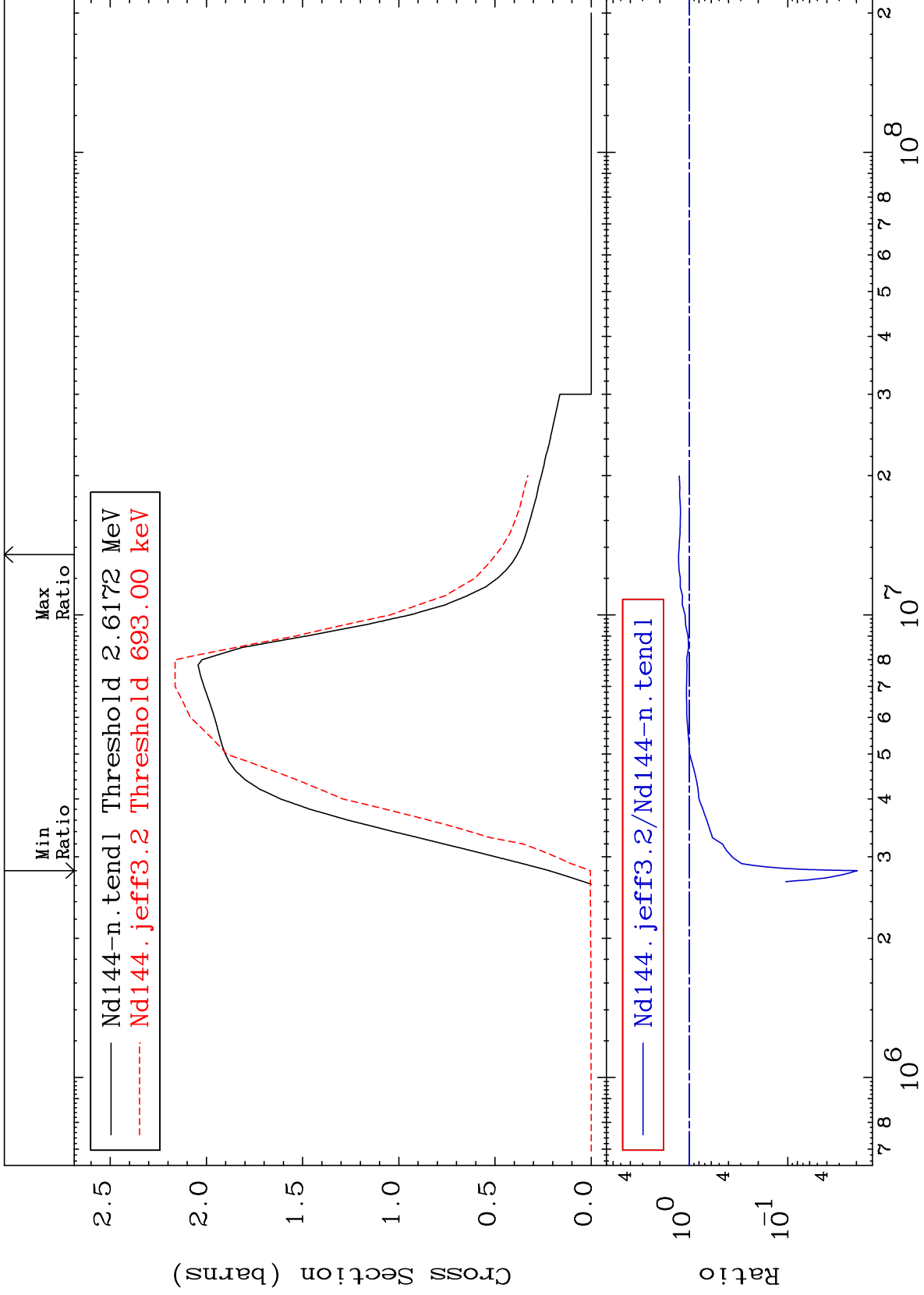
60-Nd-144
-100.0 To 149.7 %



MAT 6031

(n, n') Continuum
Cross Section

60-Nd-144
-98.04 To 28.93 %



40

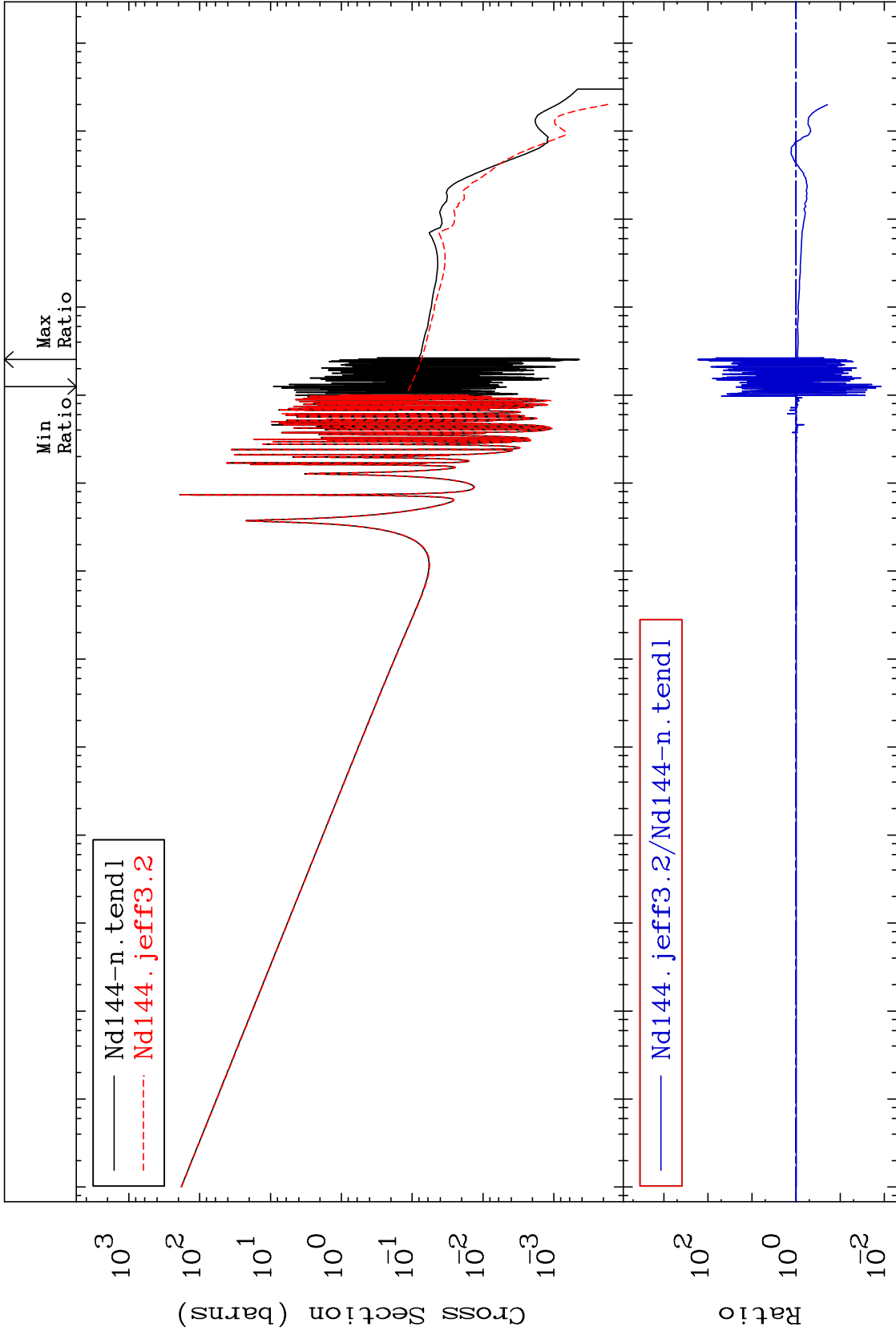
Incident Energy (eV)

60-Nd-144

MAT 6031

(n, γ)
Cross Section

60-Nd-144
-98.82 To 9999. %



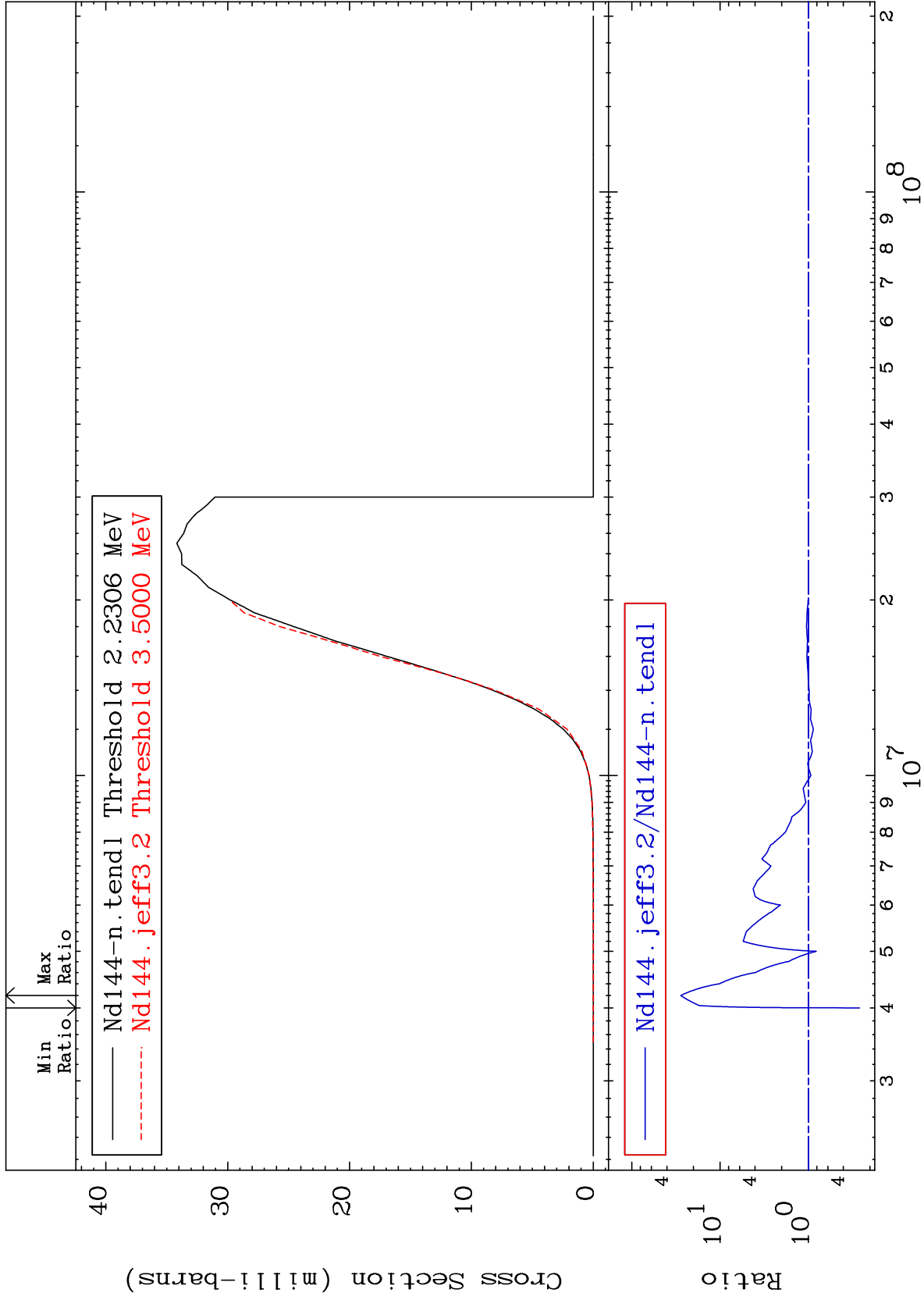
MAT 6031

(n,p)

60-Nd-144

Cross Section

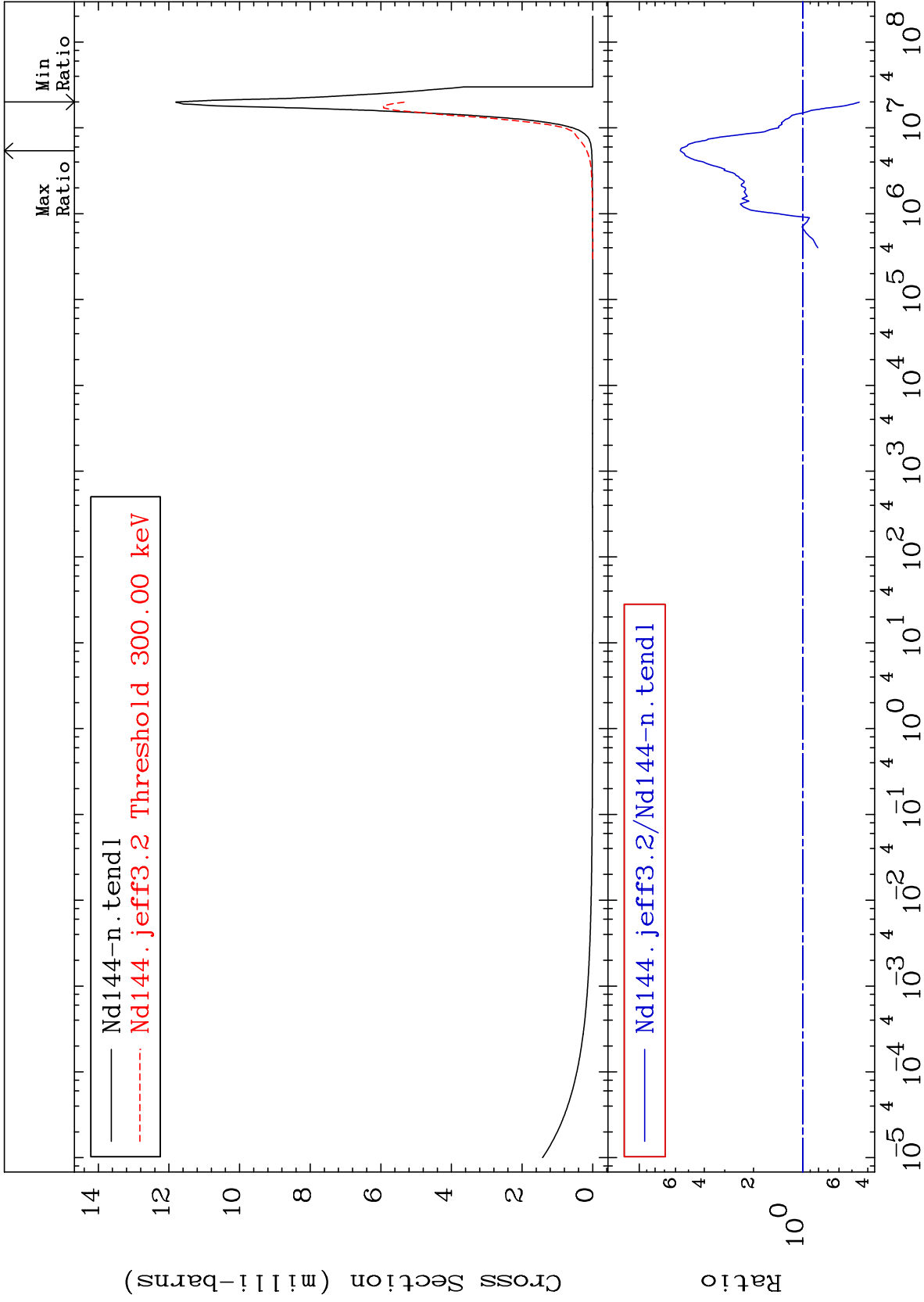
-73.80 To 2685. %

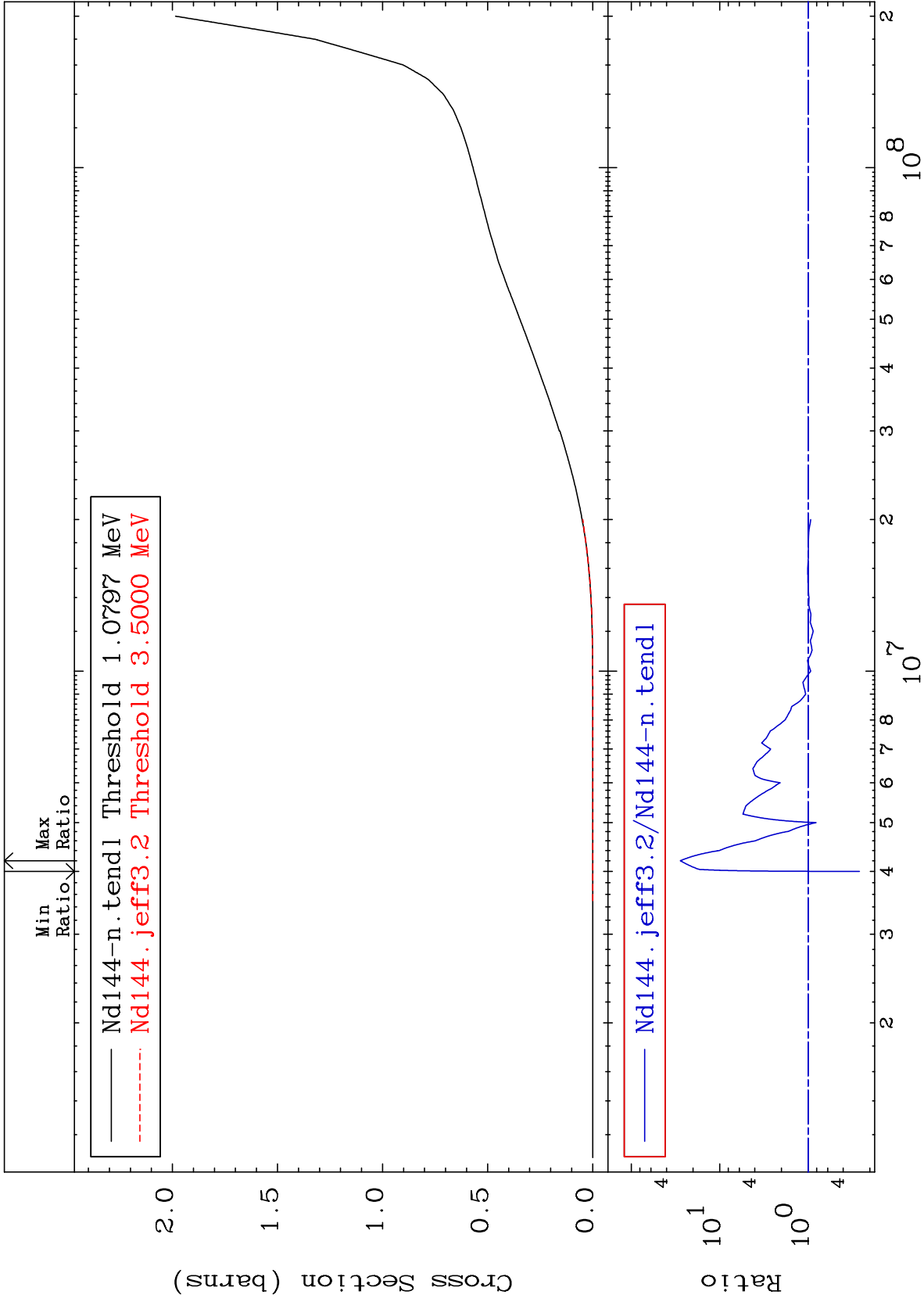


MAT 6031

(n, α)
Cross Section

60-Nd-144
-55.05 To 460.0 %

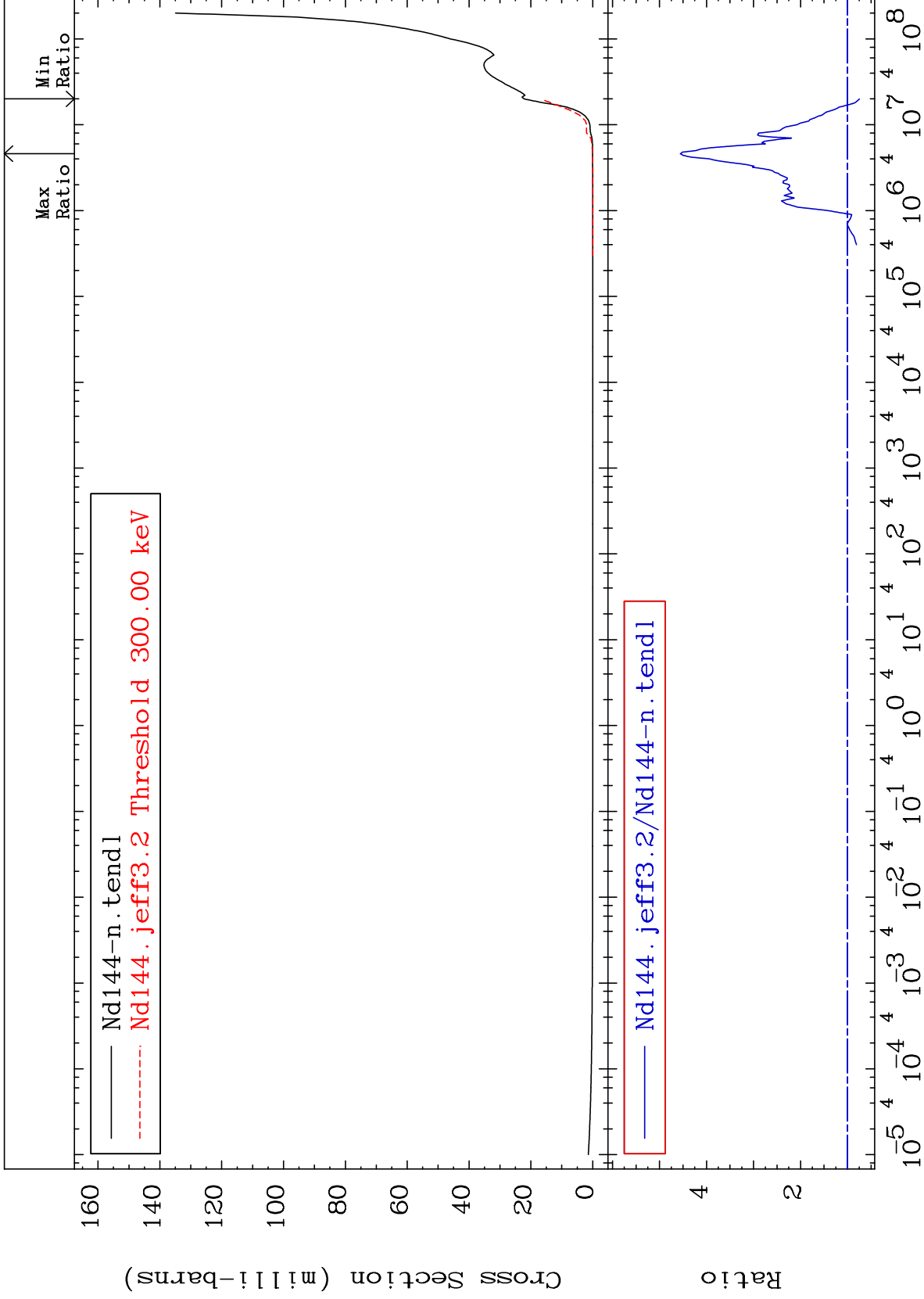




MAT 6031

He-4 Production
Cross Section

60-Nd-144
-25.29 To 355.7 %



45

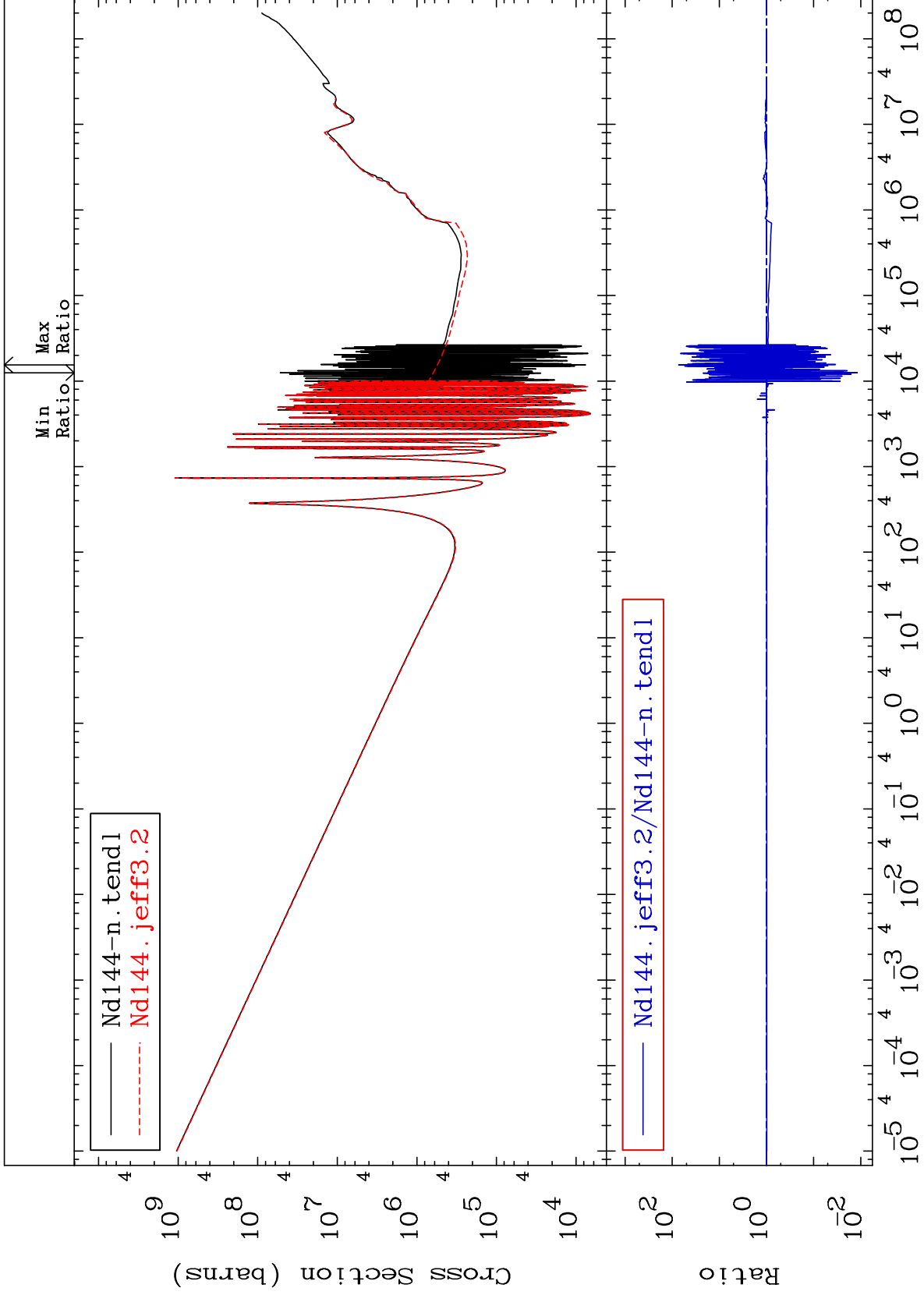
Incident Energy (eV)

60-Nd-144

MAT 6031

Kerma total (eV-barns)
Cross Section

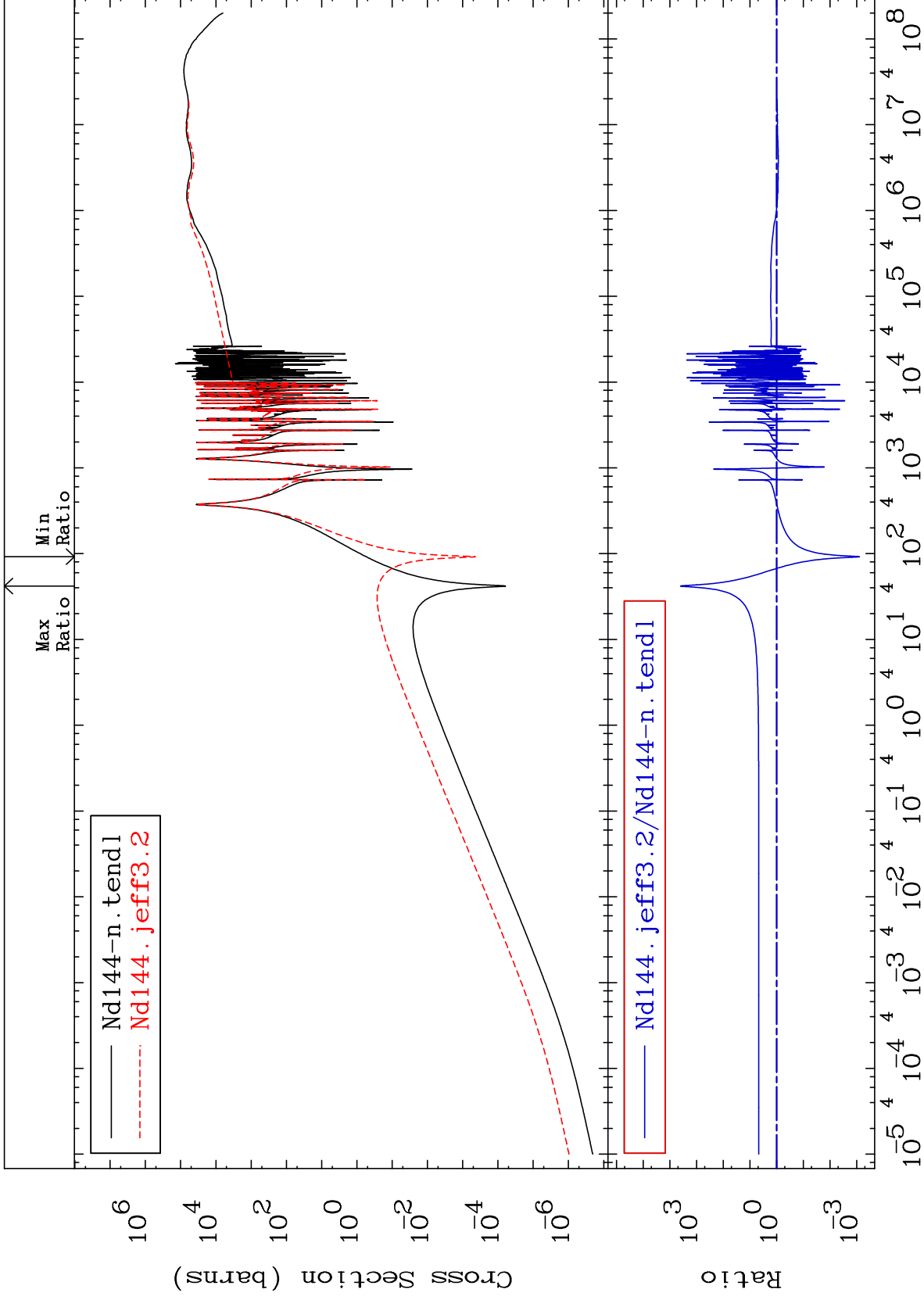
60-Nd-144
-98.81 To 7213. %



MAT 6031

Kerma elastic
Cross Section

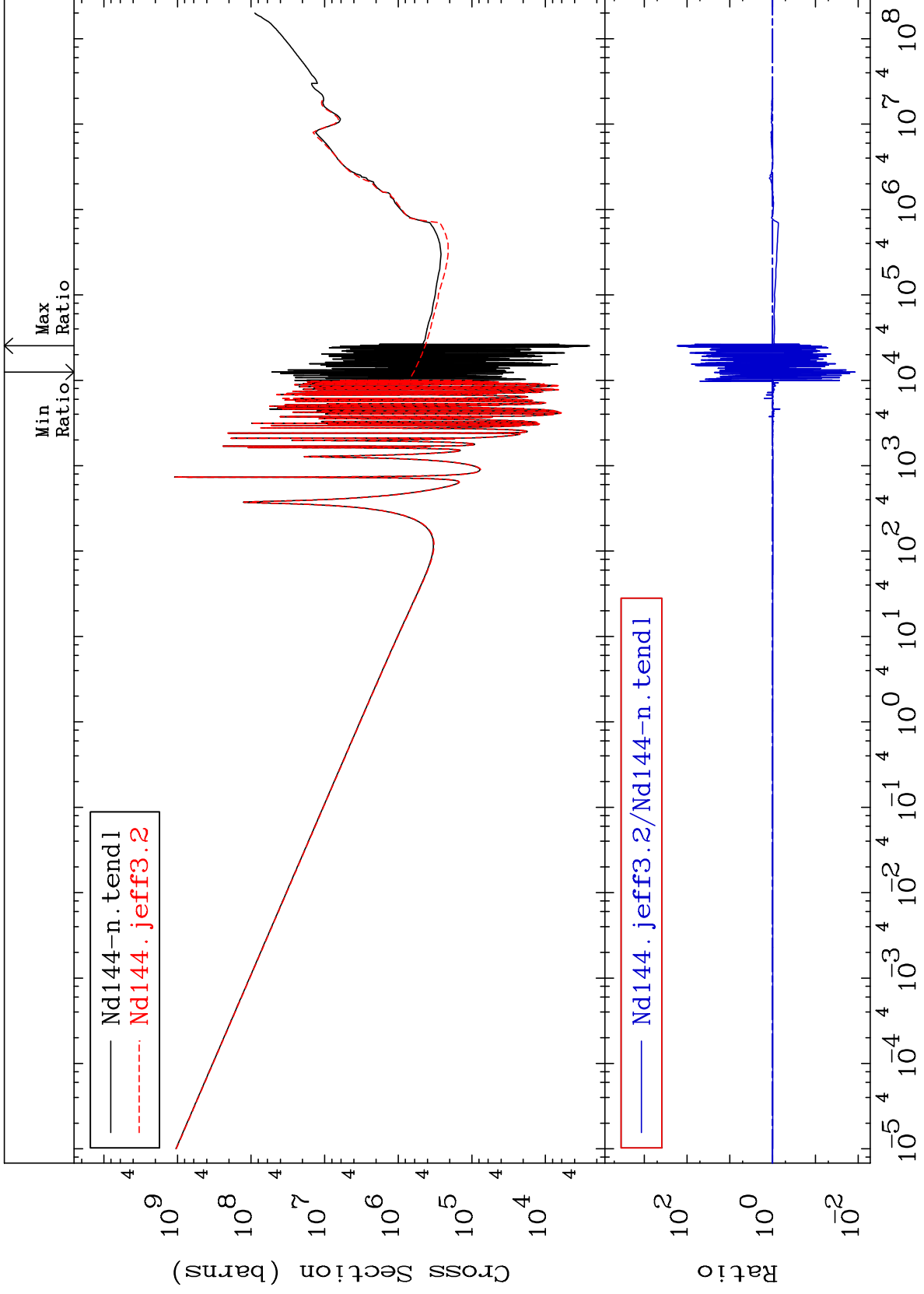
60-Nd-144
-99.92 To 9999. %



MAT 6031

Kerma non-elastic (all but mt2)
Cross Section

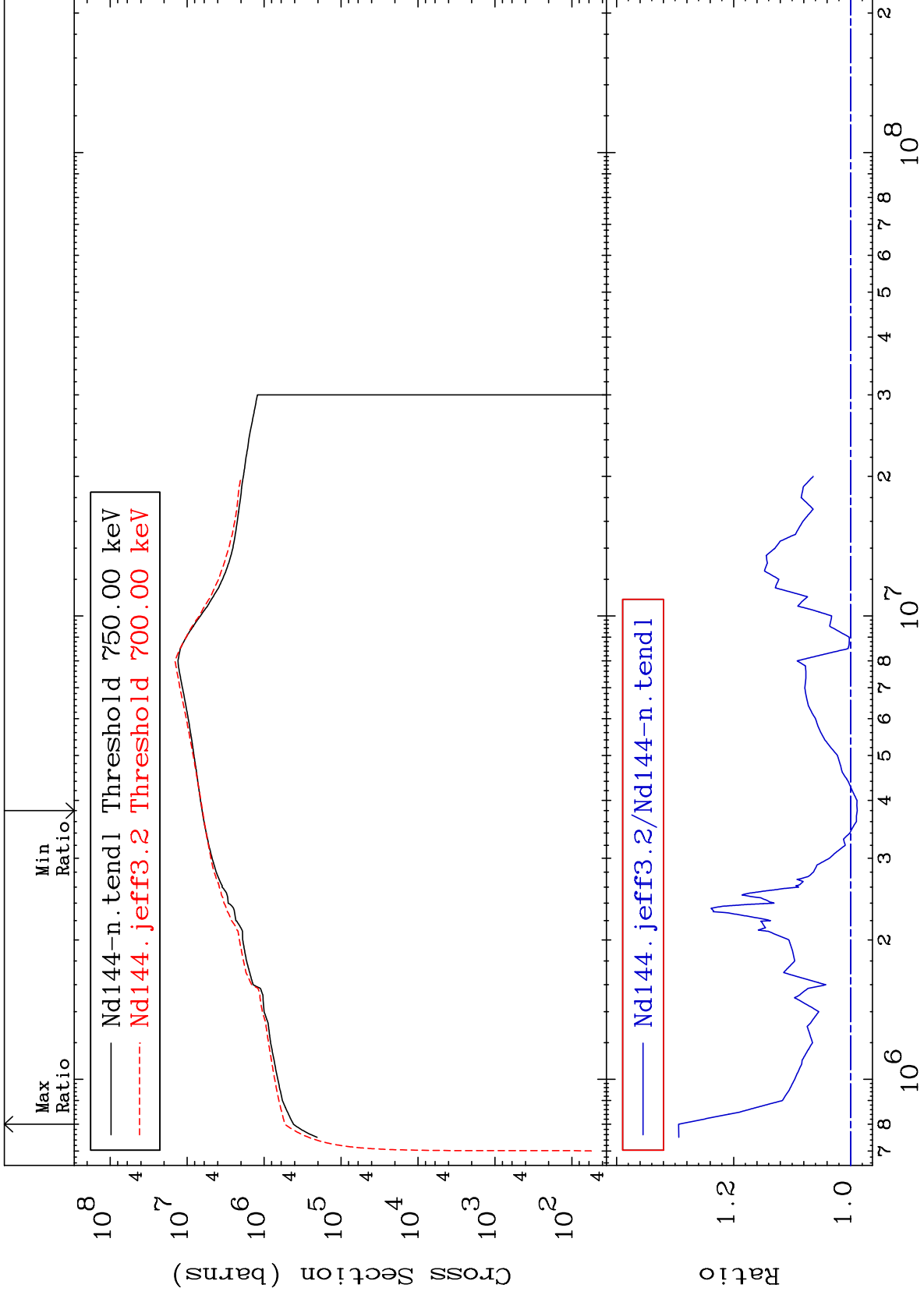
60-Nd-144
-98.82 To 9999. %



MAT 6031

Kerma inelastic (mt51-91)
Cross Section

60-Nd-144
-1.144 To 29.40 %



49

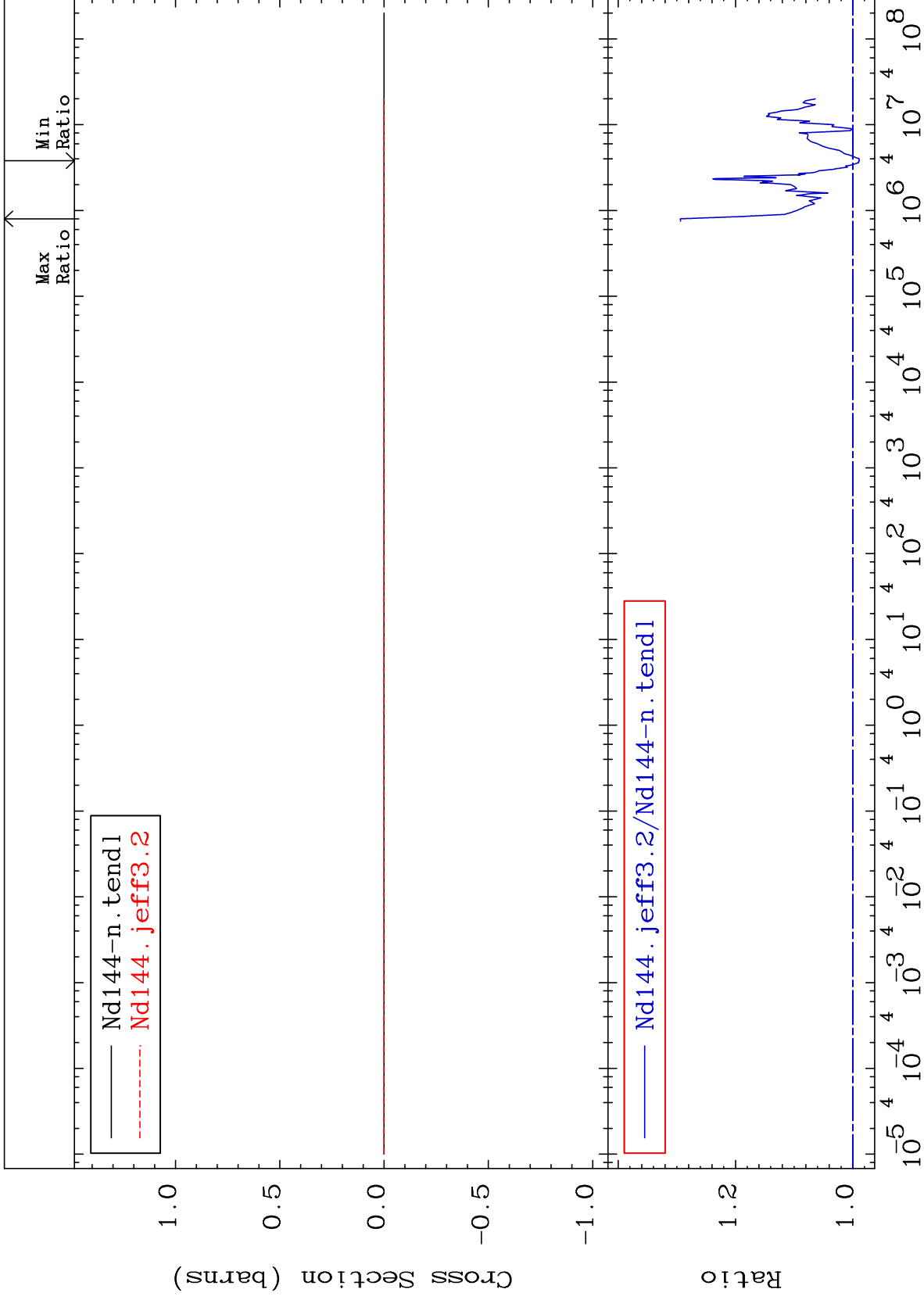
Incident Energy (eV)

60-Nd-144

MAT 6031

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

60-Nd-144
-1.144 To 29.40 %



50

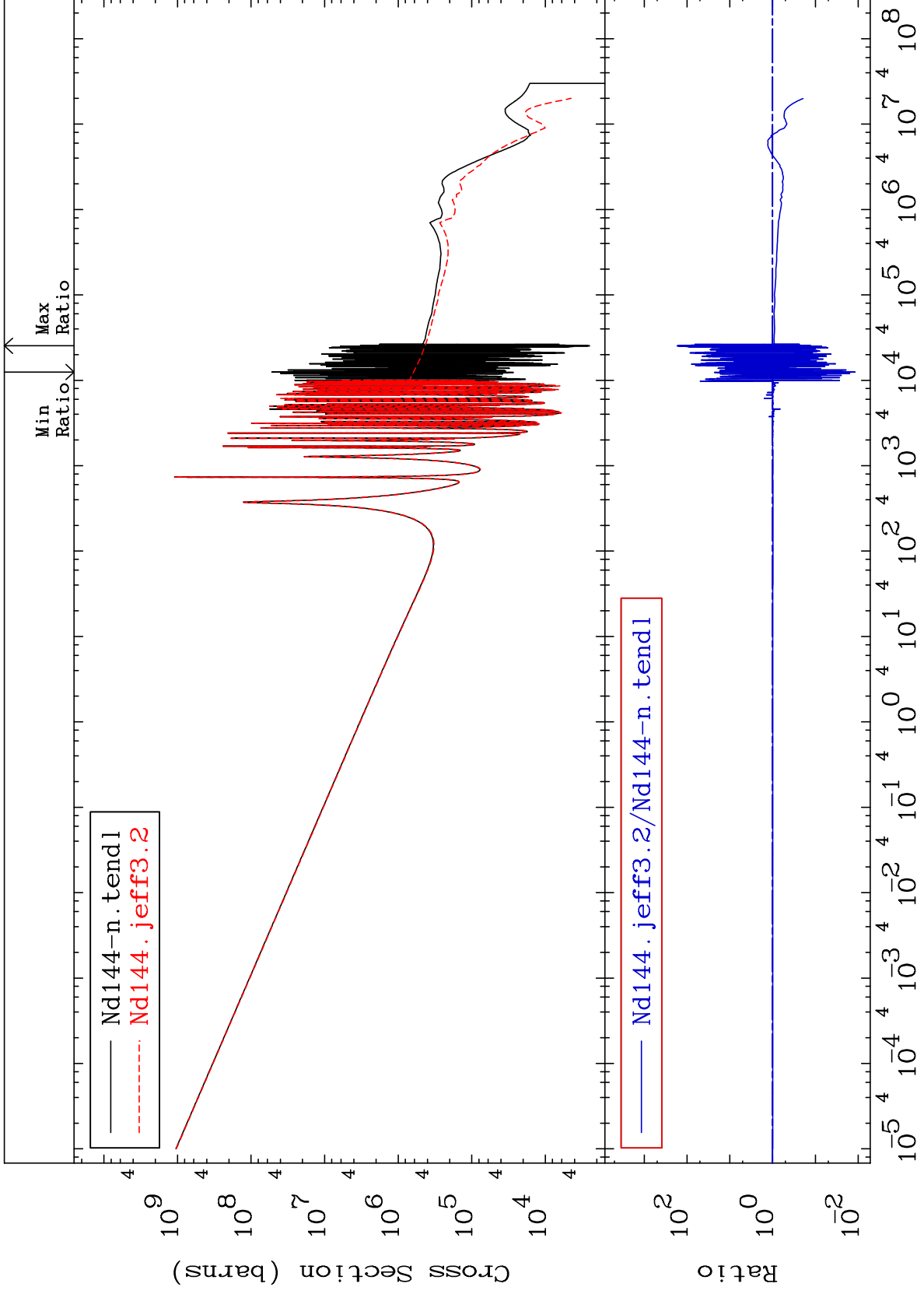
Incident Energy (eV)

60-Nd-144

MAT 6031

Kerma capture (mt102)
Cross Section

60-Nd-144
-98.82 To 9999. %



51

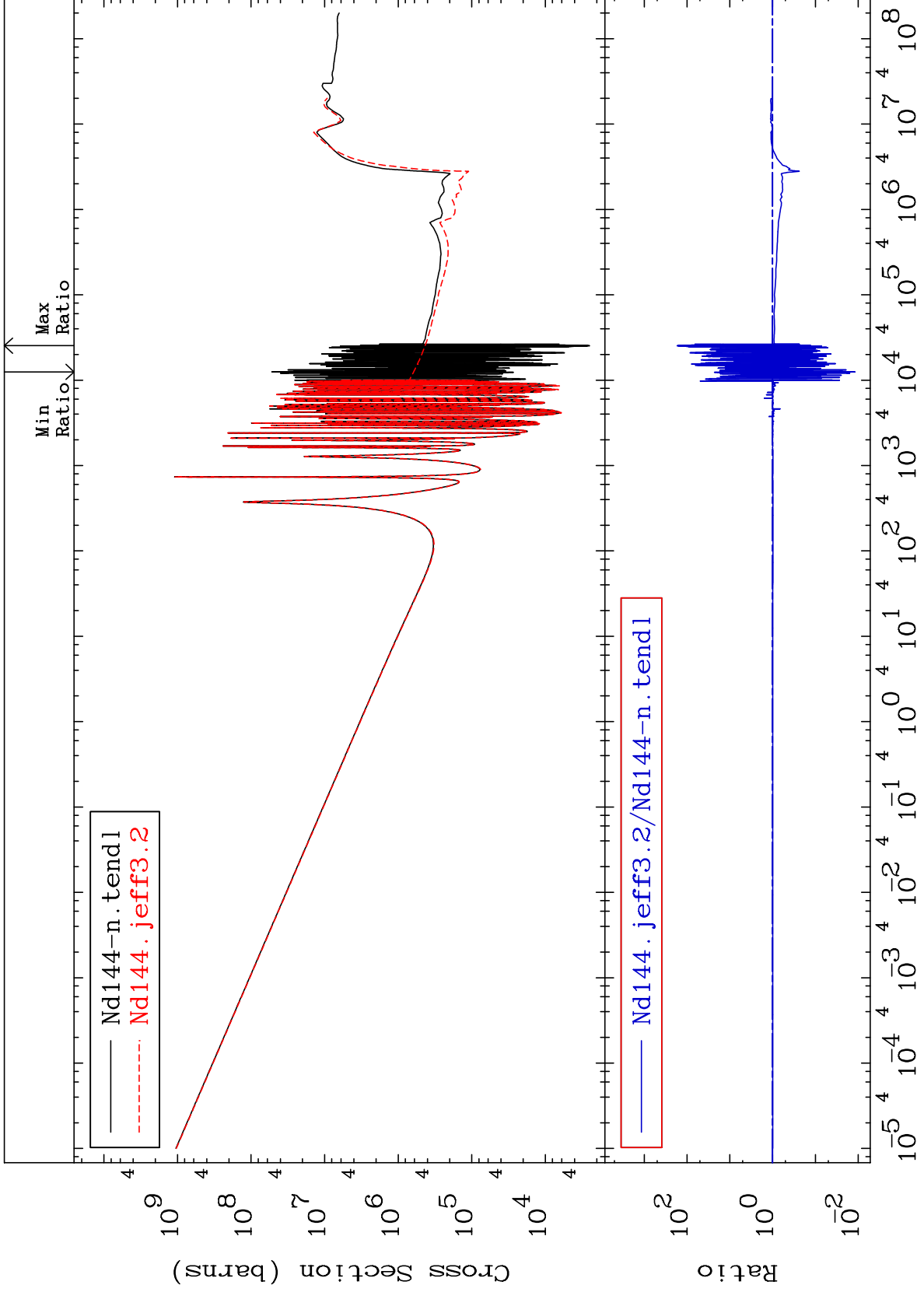
Incident Energy (eV)

60-Nd-144

MAT 6031

Total photon (eV-barns)
Cross Section

60-Nd-144
-98.82 To 9999. %



52

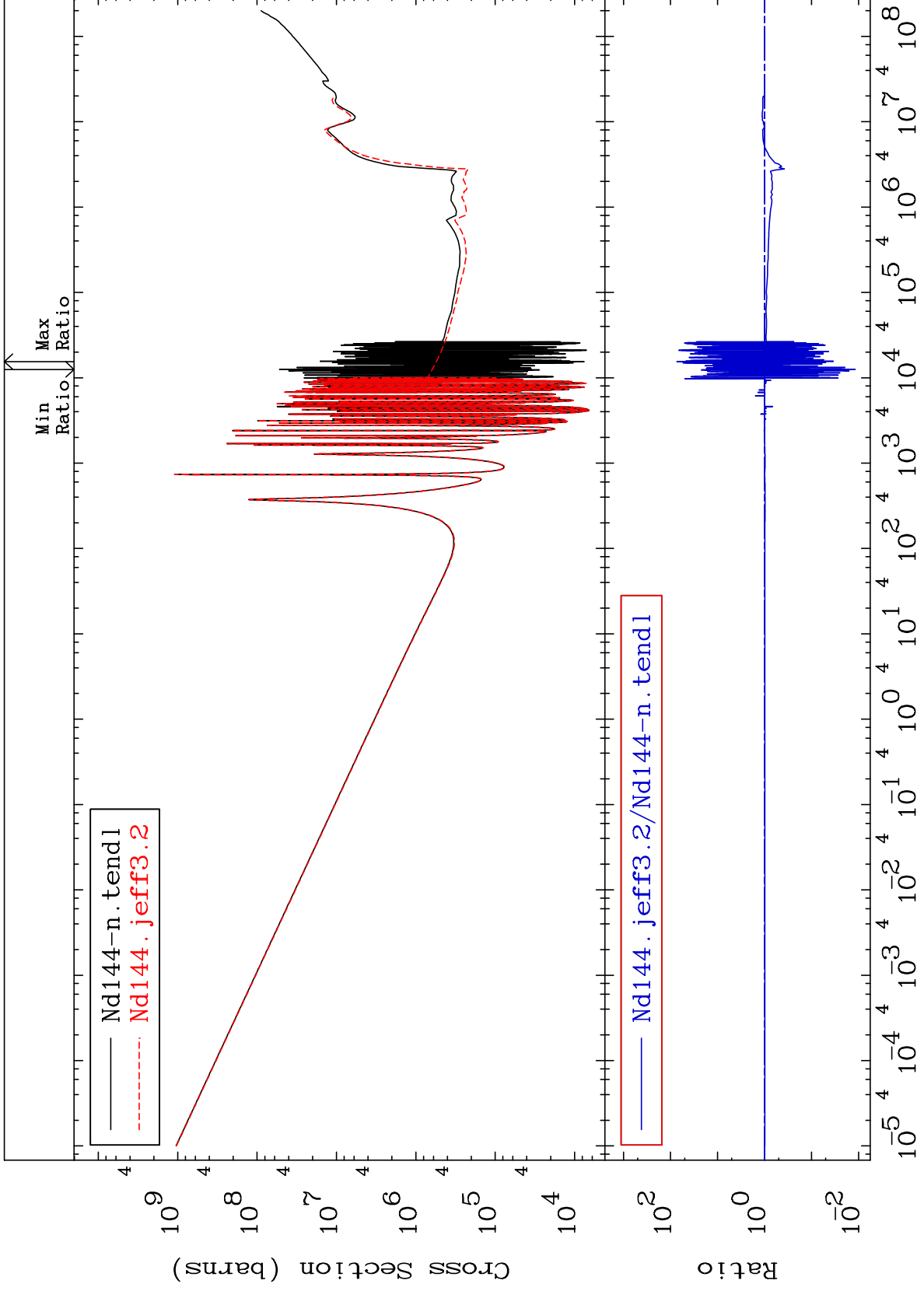
Incident Energy (eV)

60-Nd-144

MAT 6031

Total kinematic kerma (high limit)
Cross Section

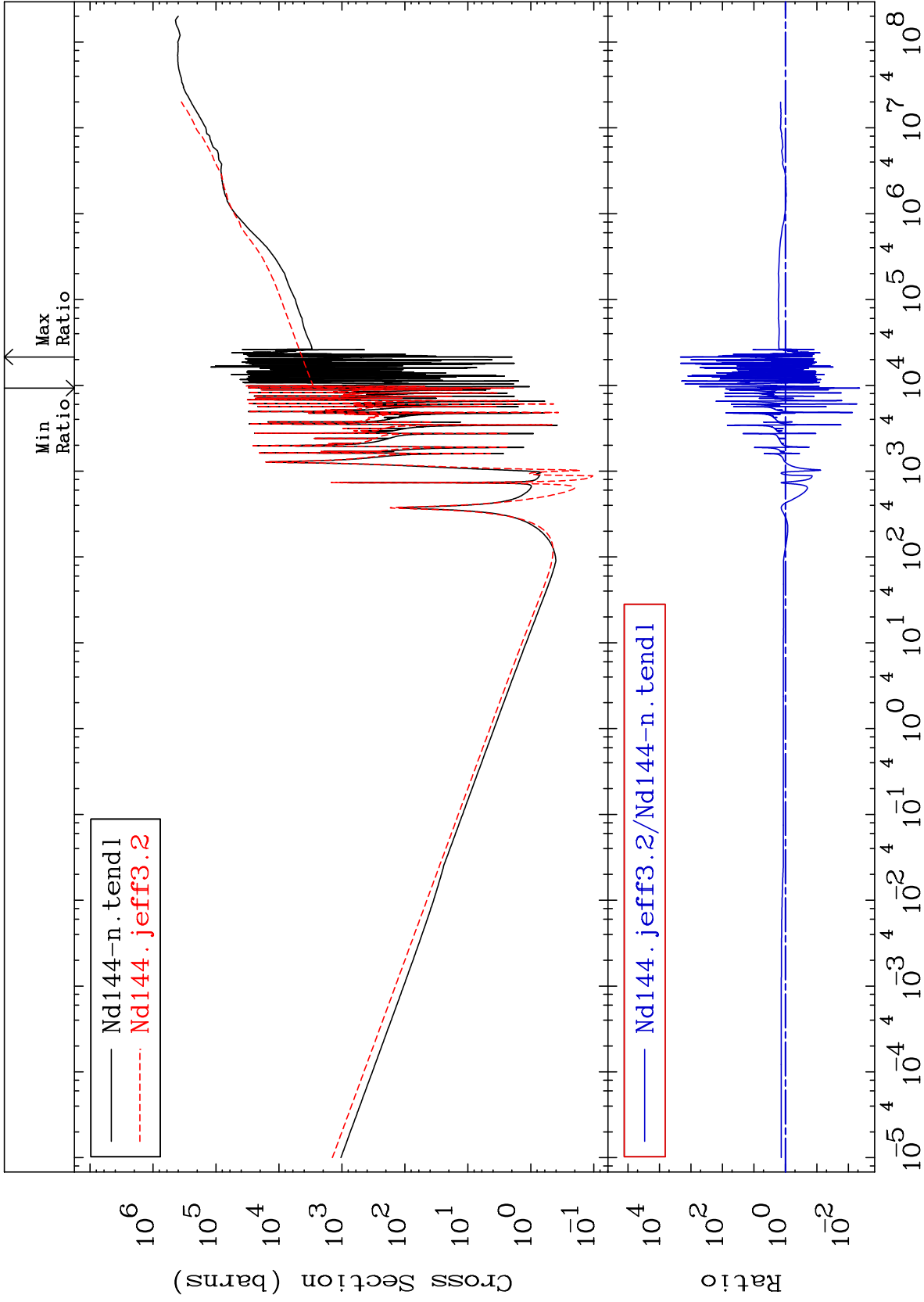
60-Nd-144
-98.81 To 7213. %

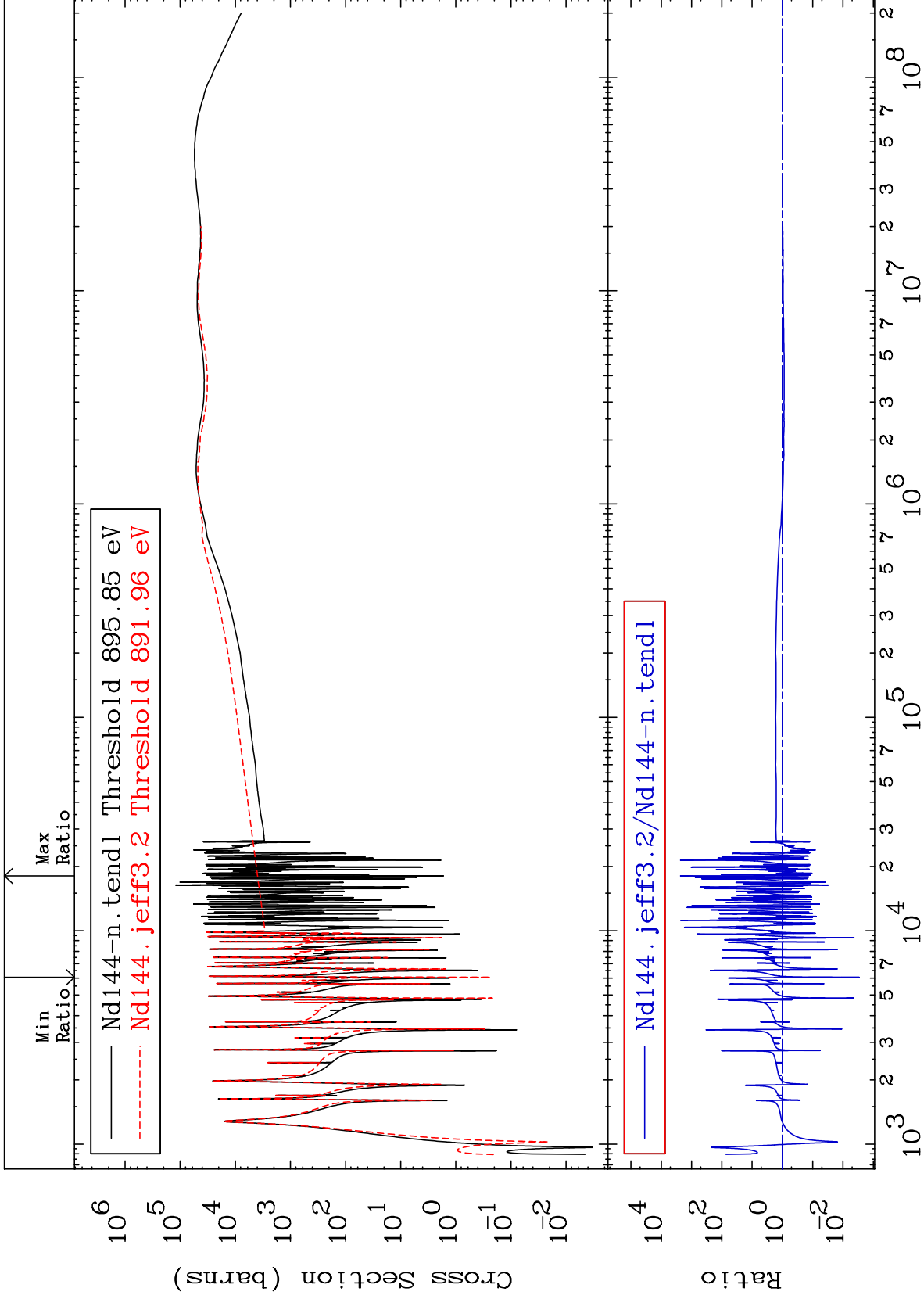


53

Incident Energy (eV)

60-Nd-144

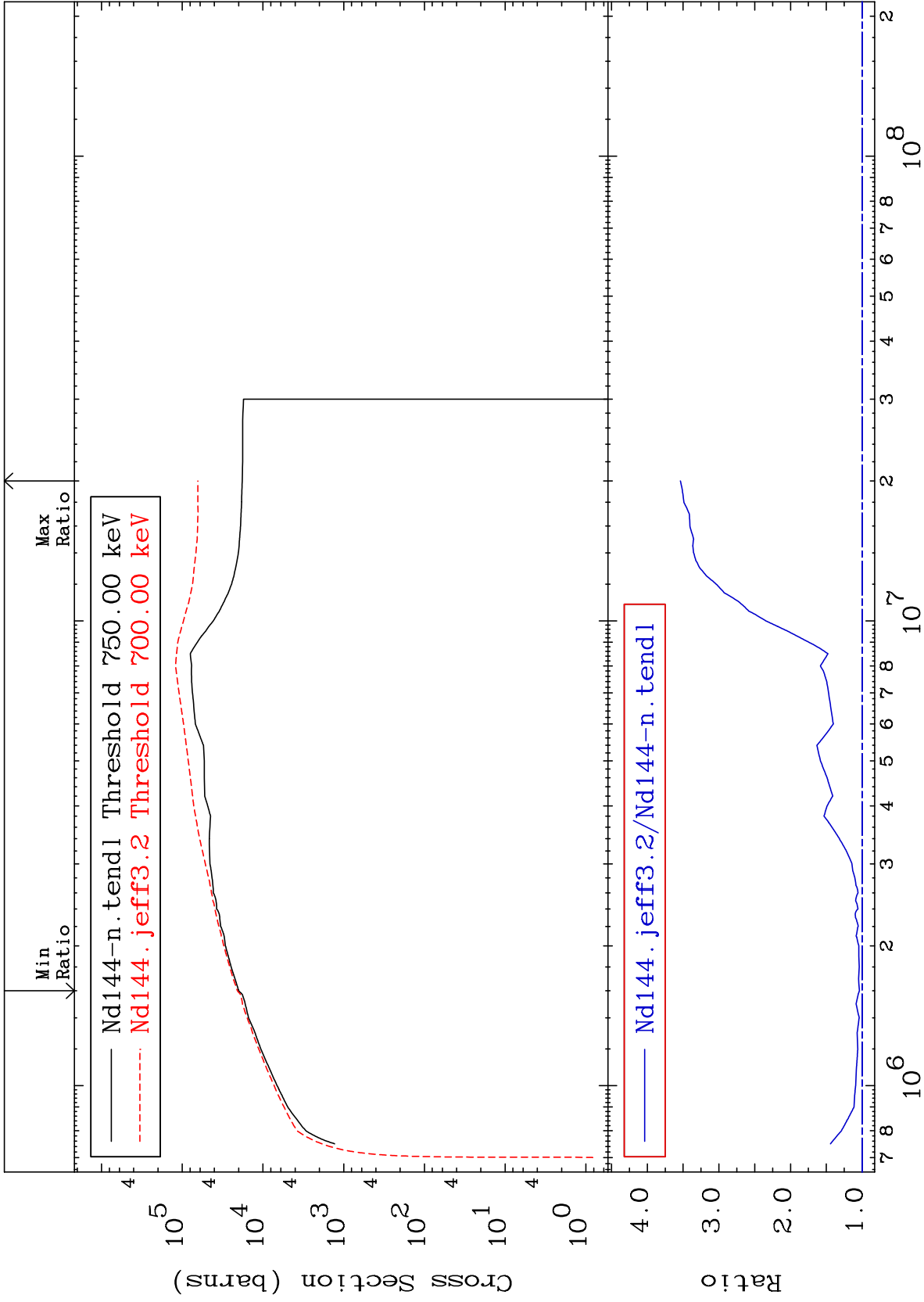




MAT 6031

Dpa inelastic (mt51-91)
Cross Section

60-Nd-144
3.781 To 253.9 %



56

Incident Energy (eV)

60-Nd-144

MAT 6031

Dpa disappearance (mt102 -120)
Cross Section

60-Nd-144
-98.34 To 4842. %

