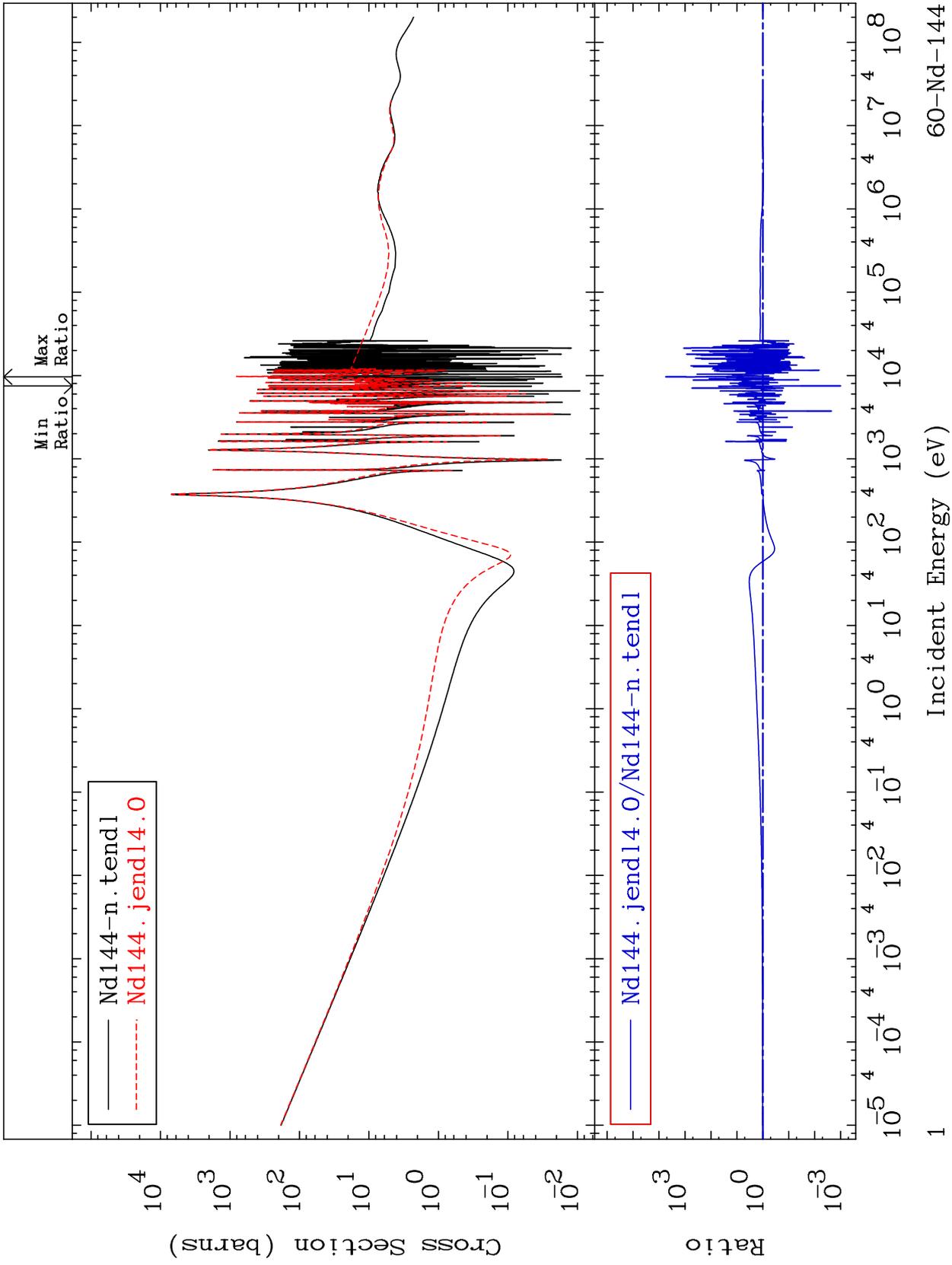


MAT 6031

Total Cross Section
60-Nd-144
-99.90 To 9999. %



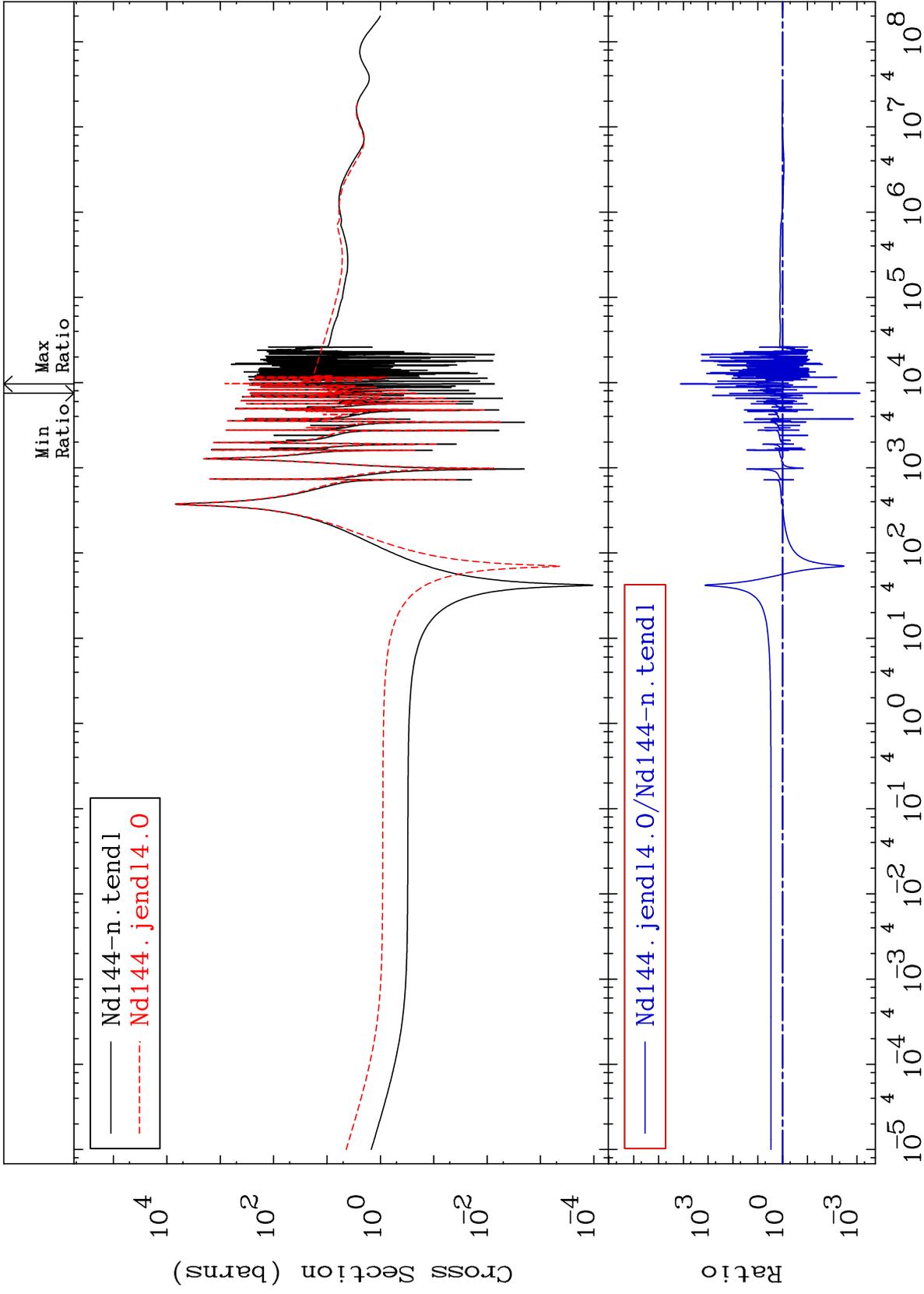
60-Nd-144

Incident Energy (eV)

MAT 6031

Elastic
Cross Section

60-Nd-144
-99.92 To 9999. %



Incident Energy (eV)

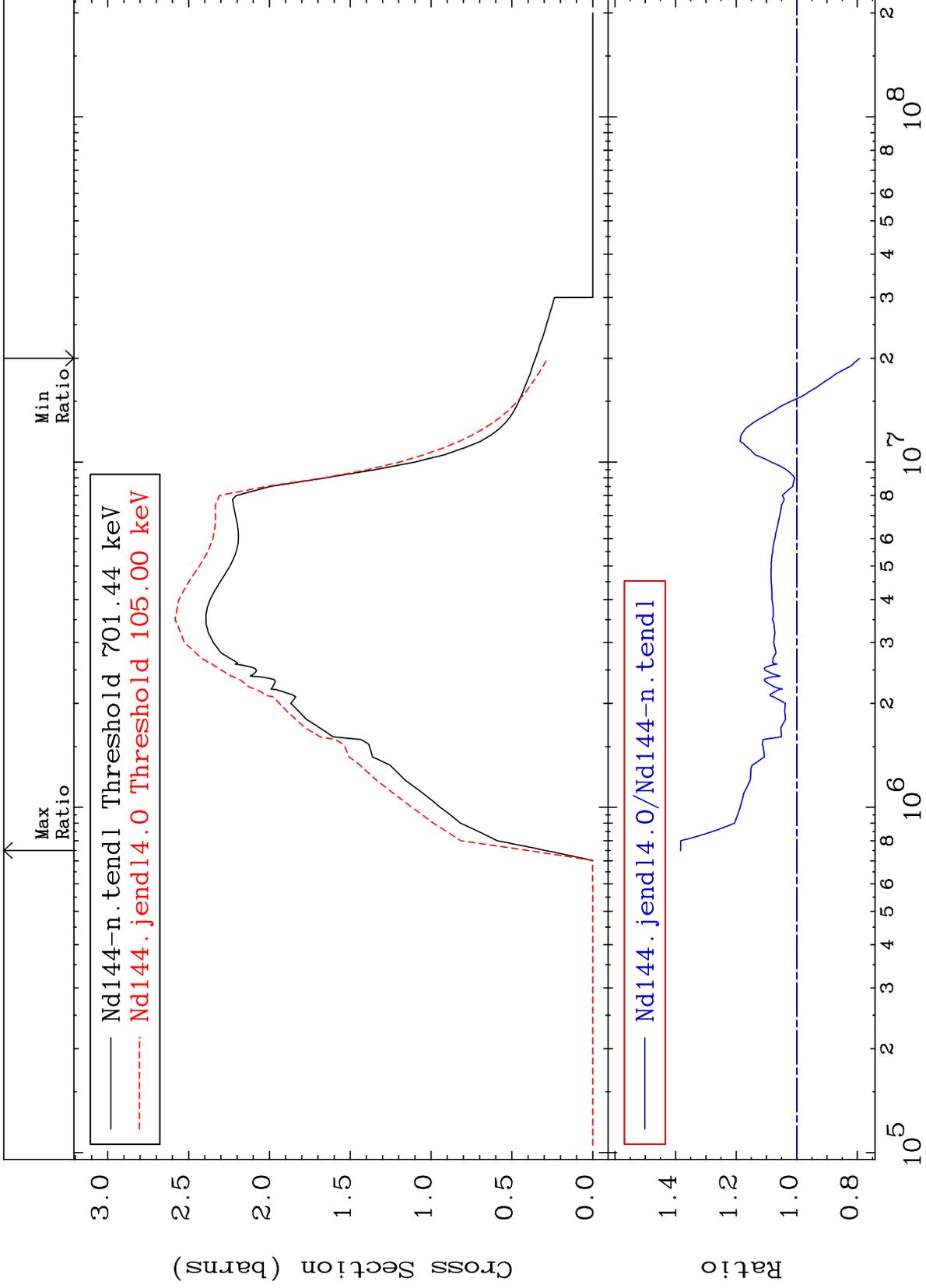
60-Nd-144

2

MAT 6031

Inelastic
Cross Section

60-Nd-144
-20.81 To 38.37 %



60-Nd-144

3

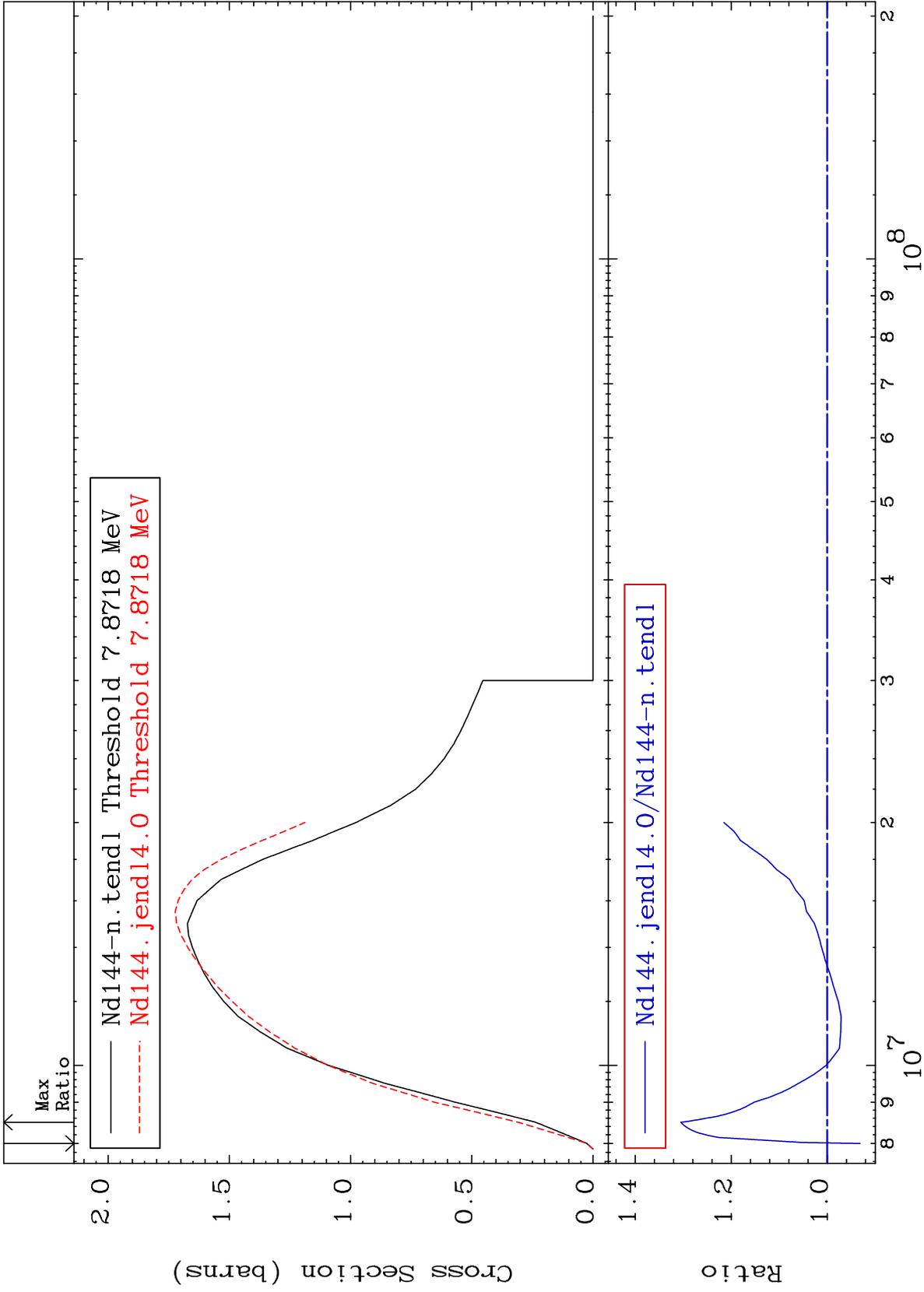
MAT 6031

(n,2n)

60-Nd-144

Cross Section

-6.849 To 30.50 %



4

60-Nd-144

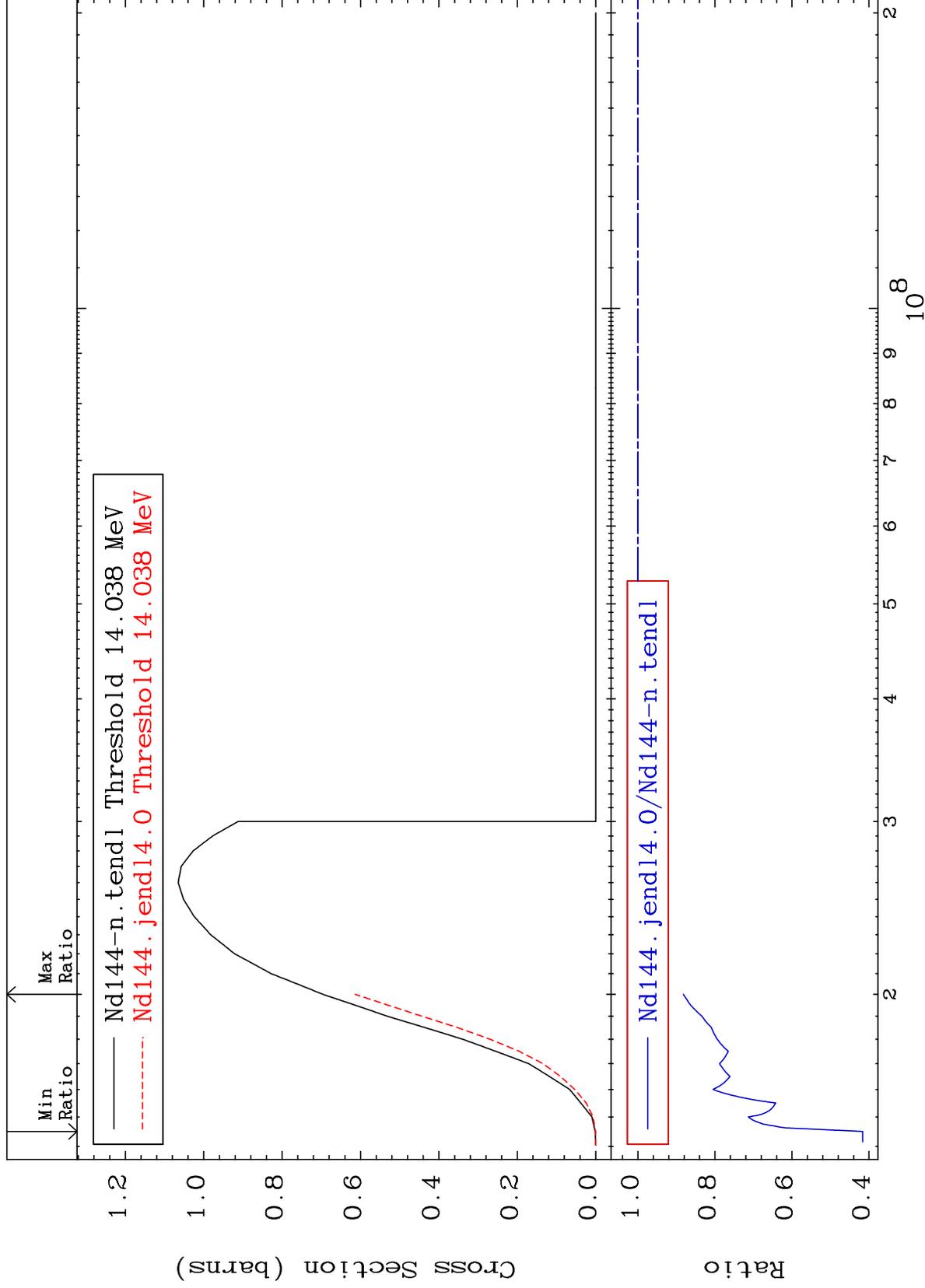
MAT 6031

(n,3n)

60-Nd-144

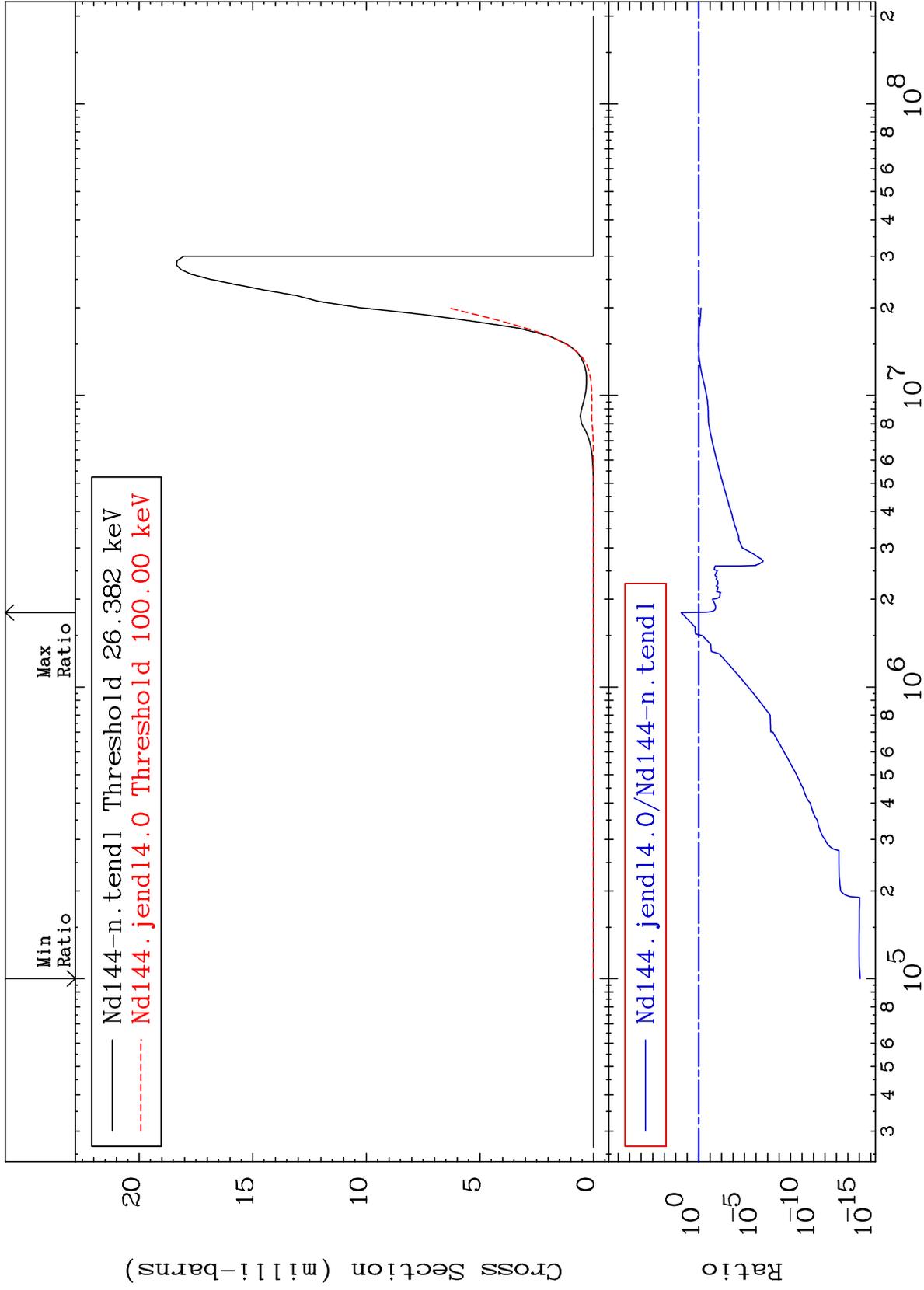
Cross Section

-58.35 To -11.81%



MAT 6031

(n, n') α
Cross Section
60-Nd-144
-100.0 To 3212. %



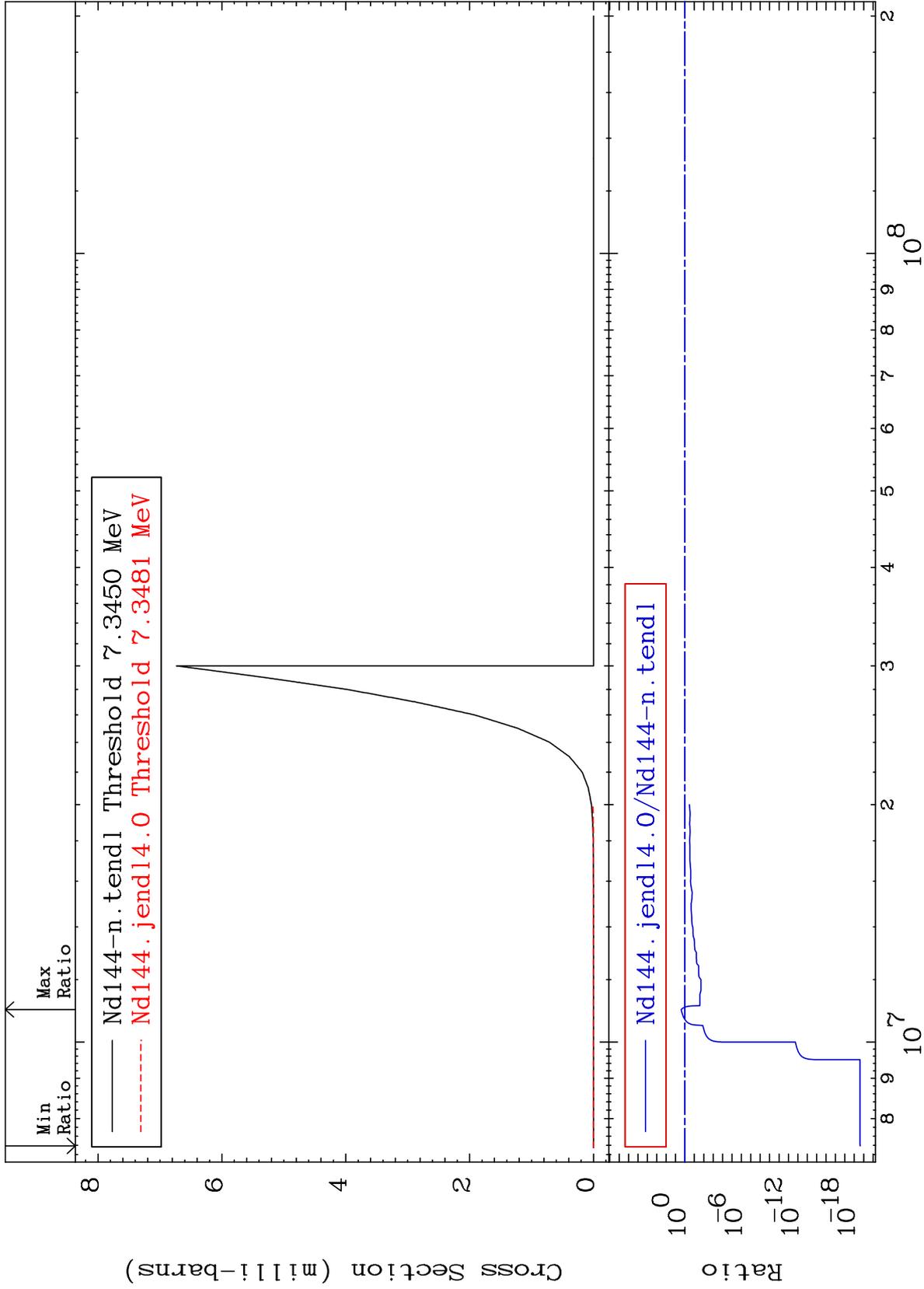
MAT 6031

(n,2n) α

60-Nd-144

Cross Section

-100.0 To 152.0 %



7

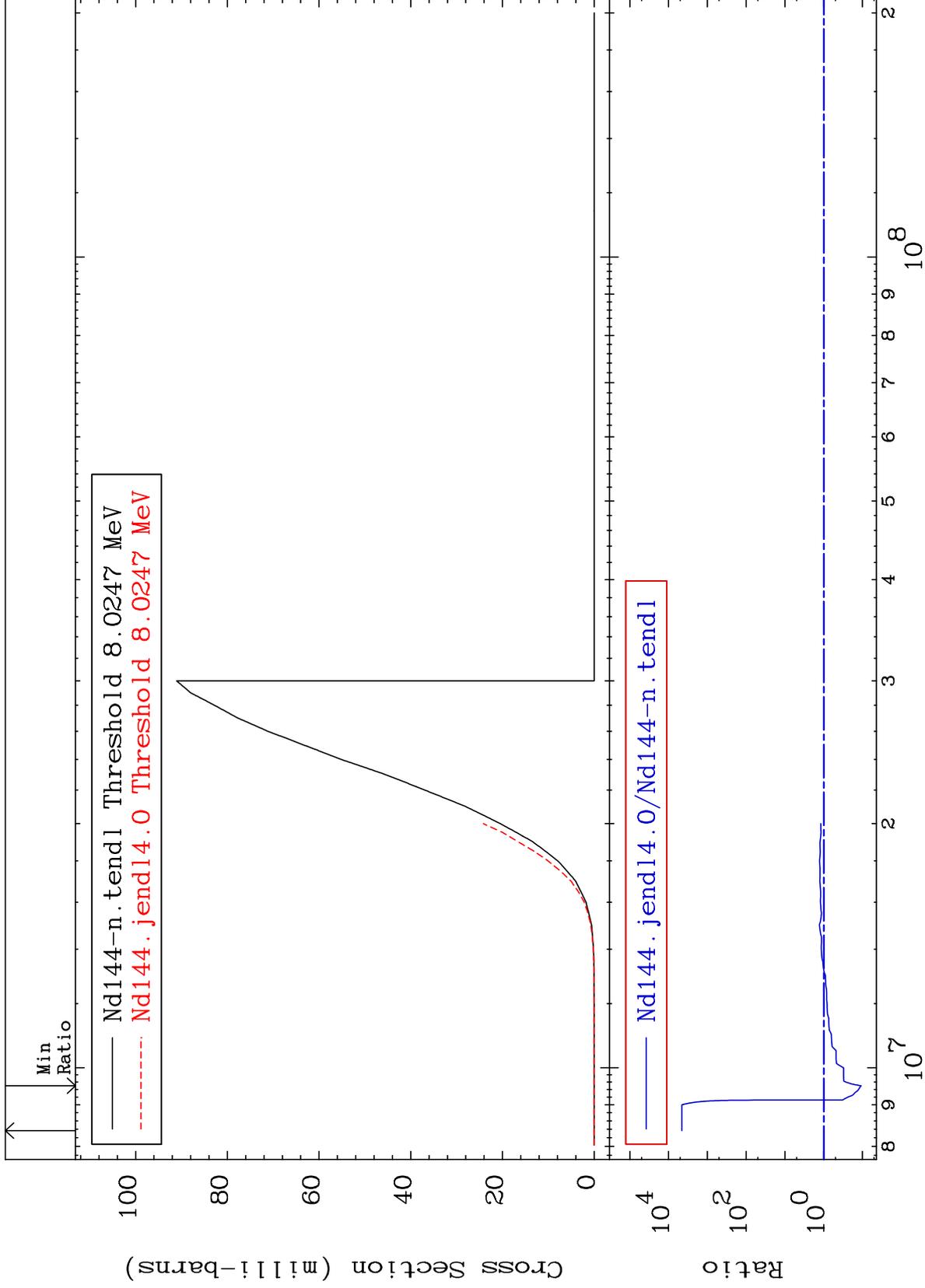
Incident Energy (eV)

60-Nd-144

MAT 6031

(n,n') p
Cross Section

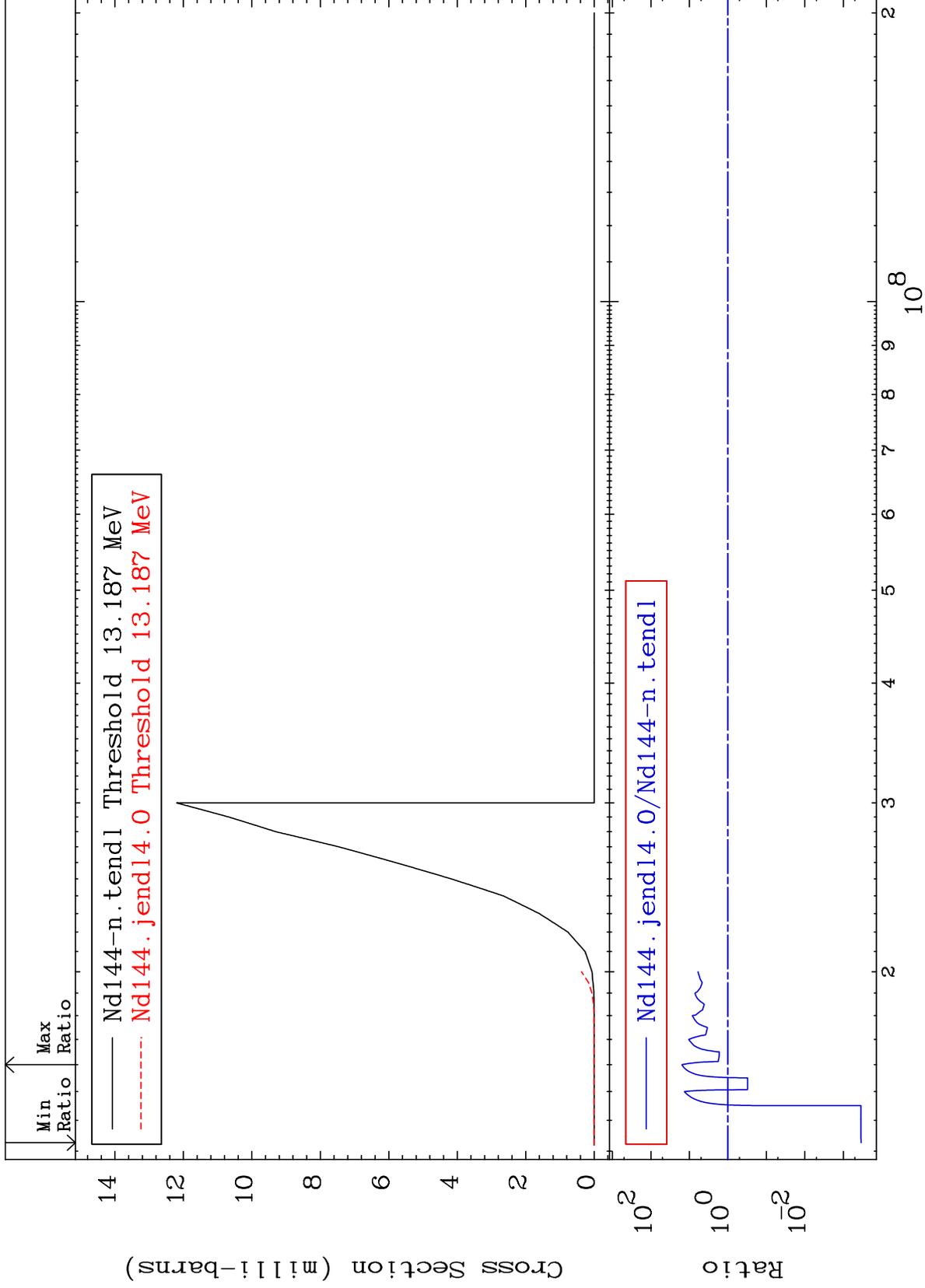
60-Nd-144
-89.17 To 9999. %



8

Incident Energy (eV)

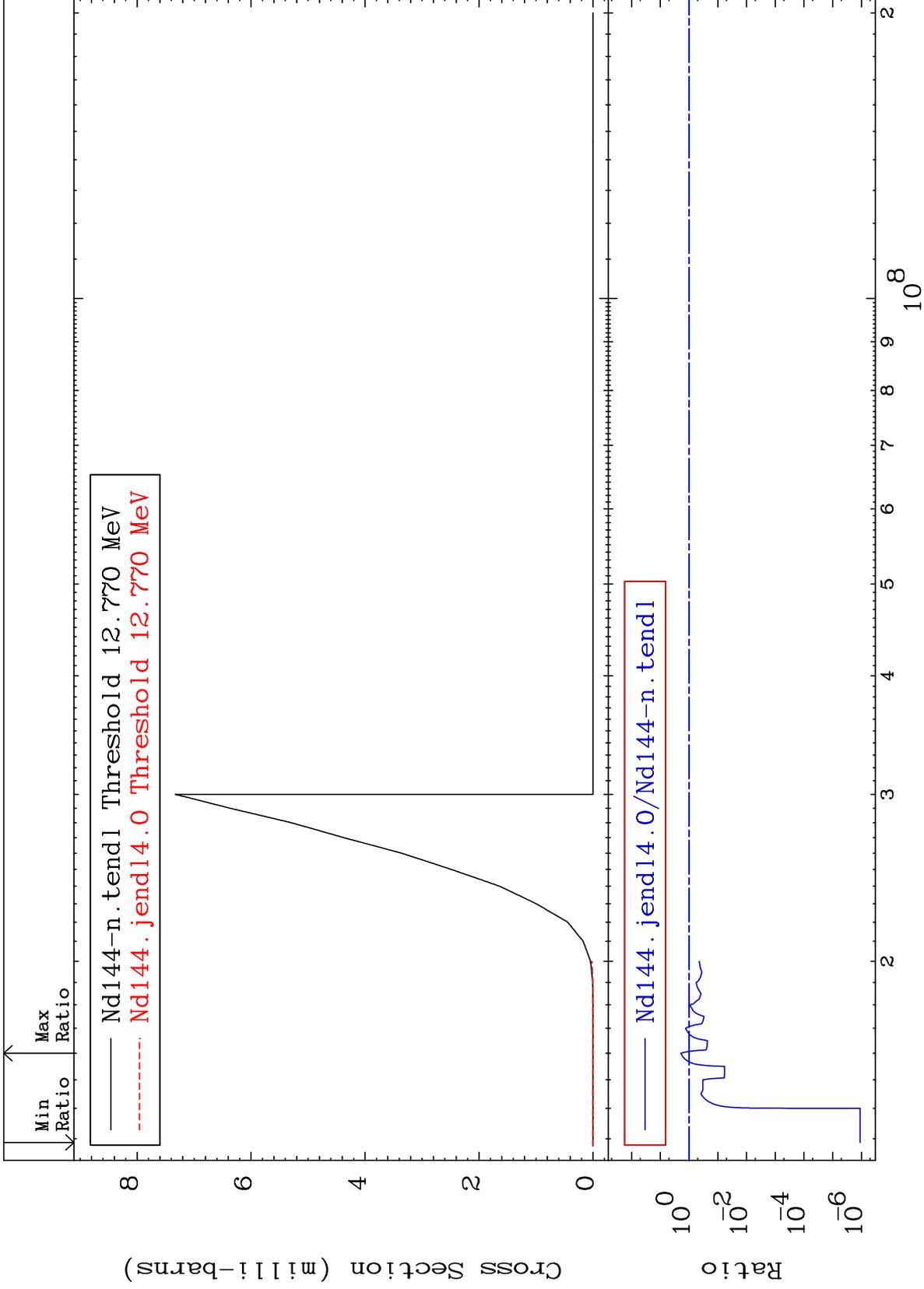
60-Nd-144



MAT 6031

(n,n') t
Cross Section

60-Nd-144
-100.0 To 94.83 %



10

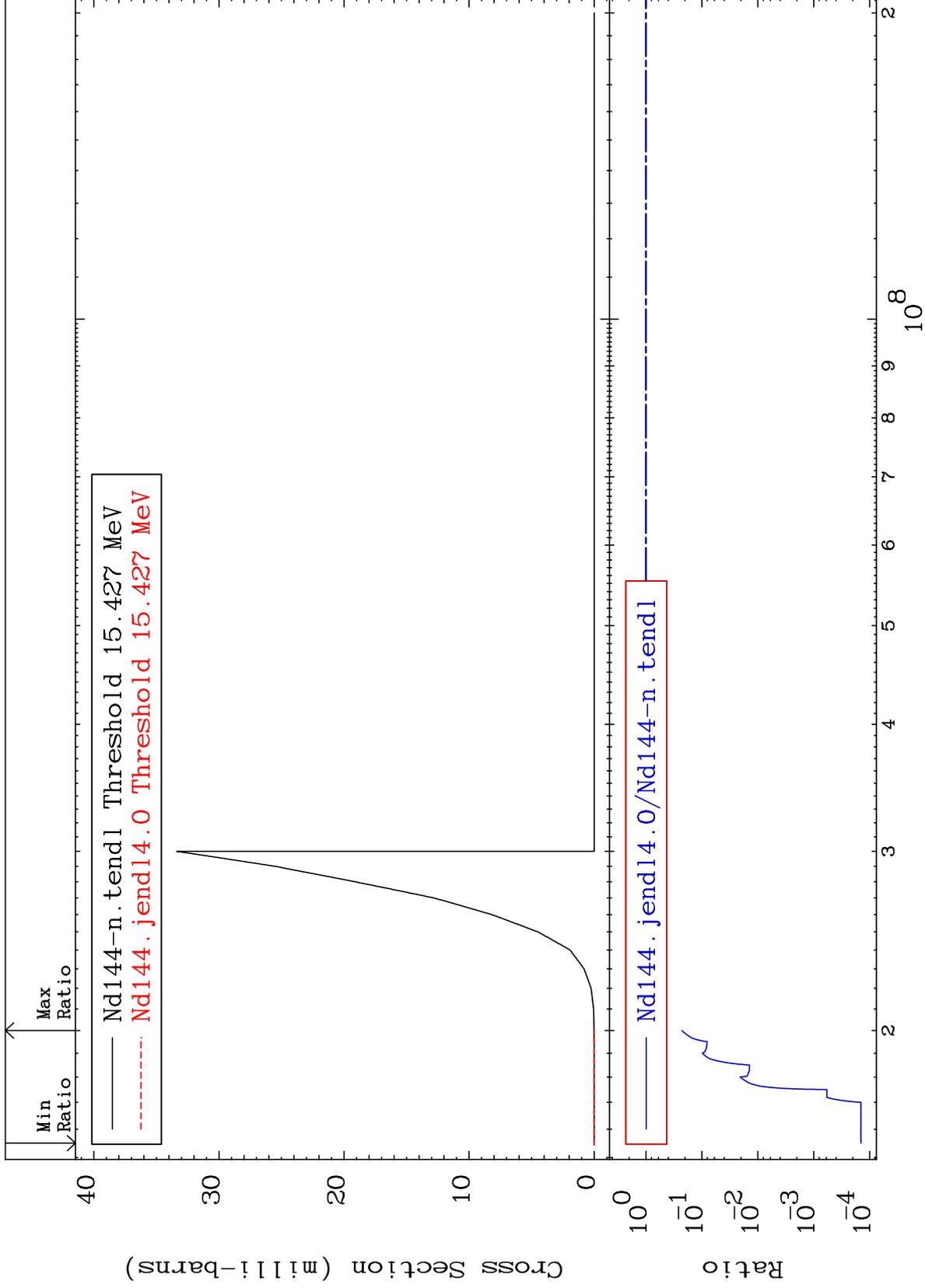
Incident Energy (eV)

60-Nd-144

MAT 6031

(n,2n) p
Cross Section

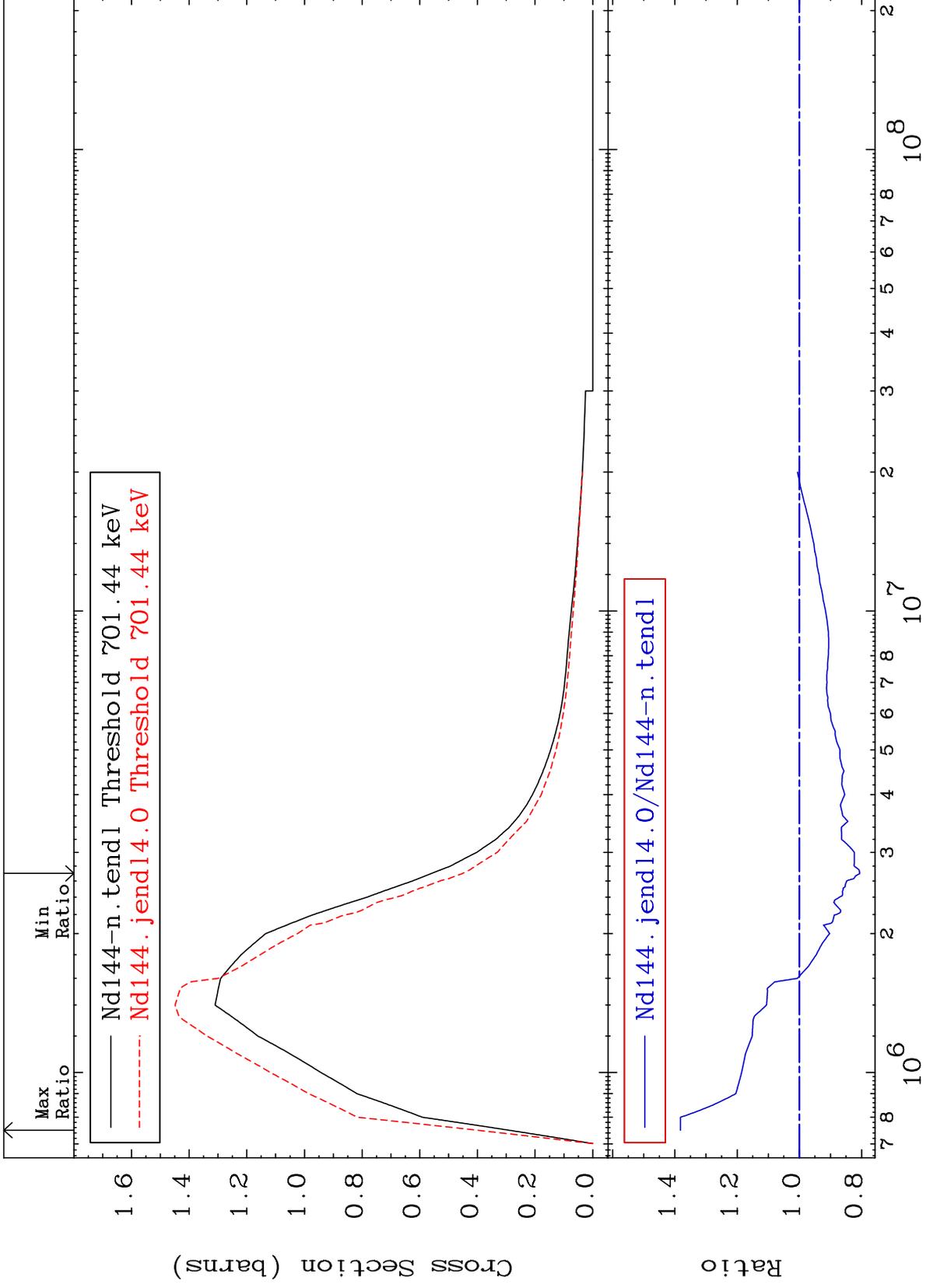
60-Nd-144
-99.99 To -77.20%



MAT 6031

696.6 keV (n,n') Level
Cross Section

60-Nd-144
-19.40 To 38.20 %



12

Incident Energy (eV)

60-Nd-144

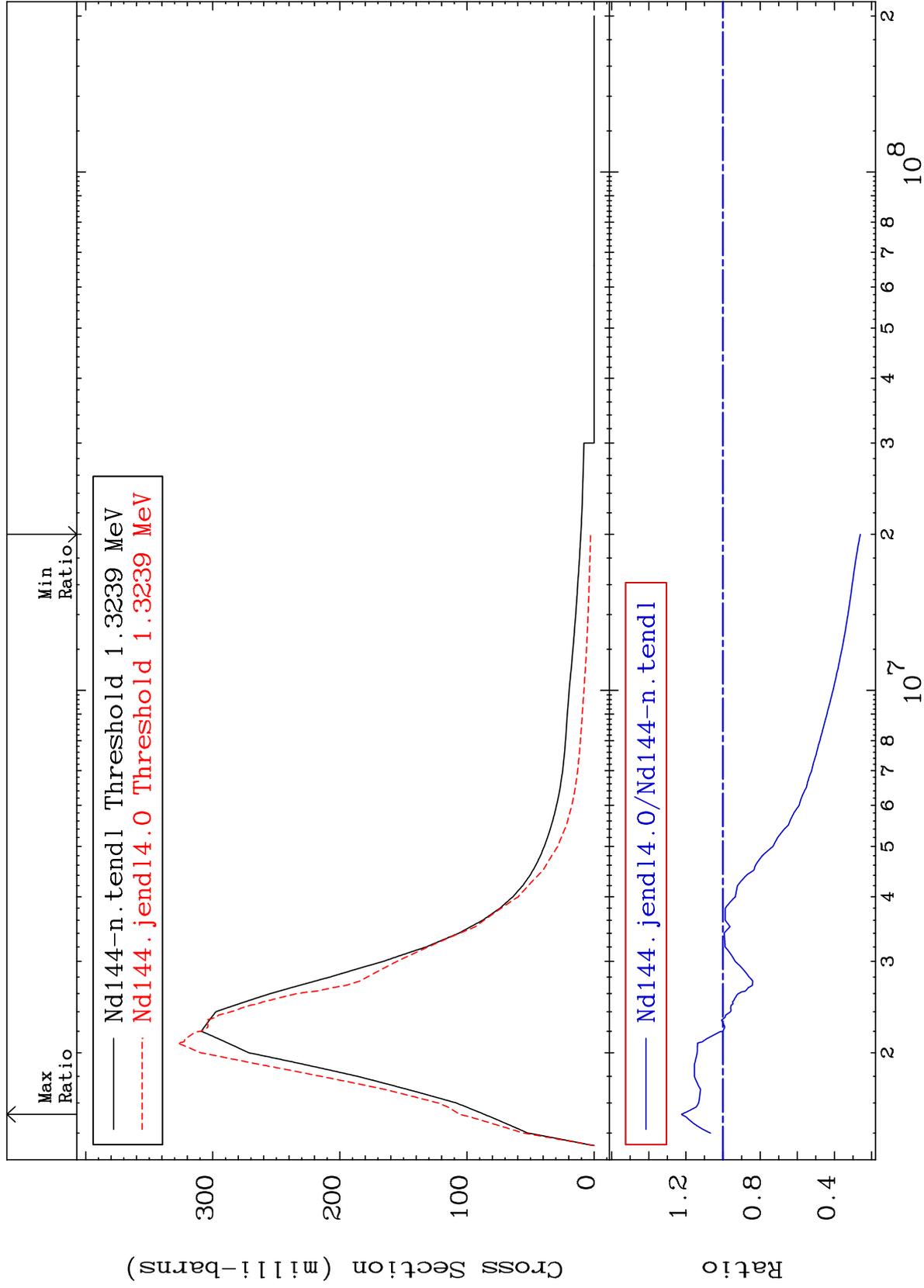
MAT 6031

1.315 MeV (n,n') Level

60-Nd-144

-73.95 To 22.33 %

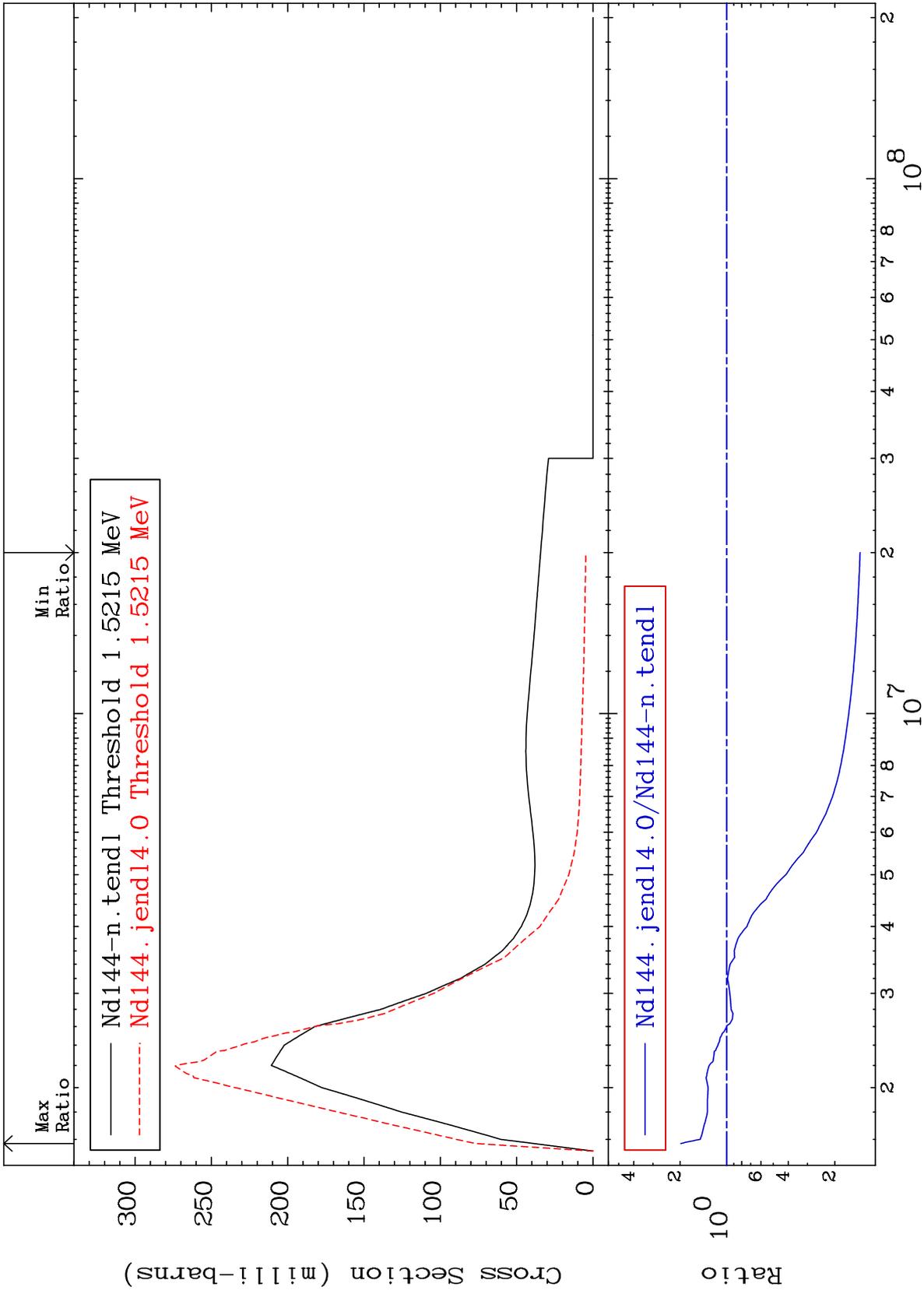
Cross Section



MAT 6031

1.511 MeV (n,n') Level
Cross Section

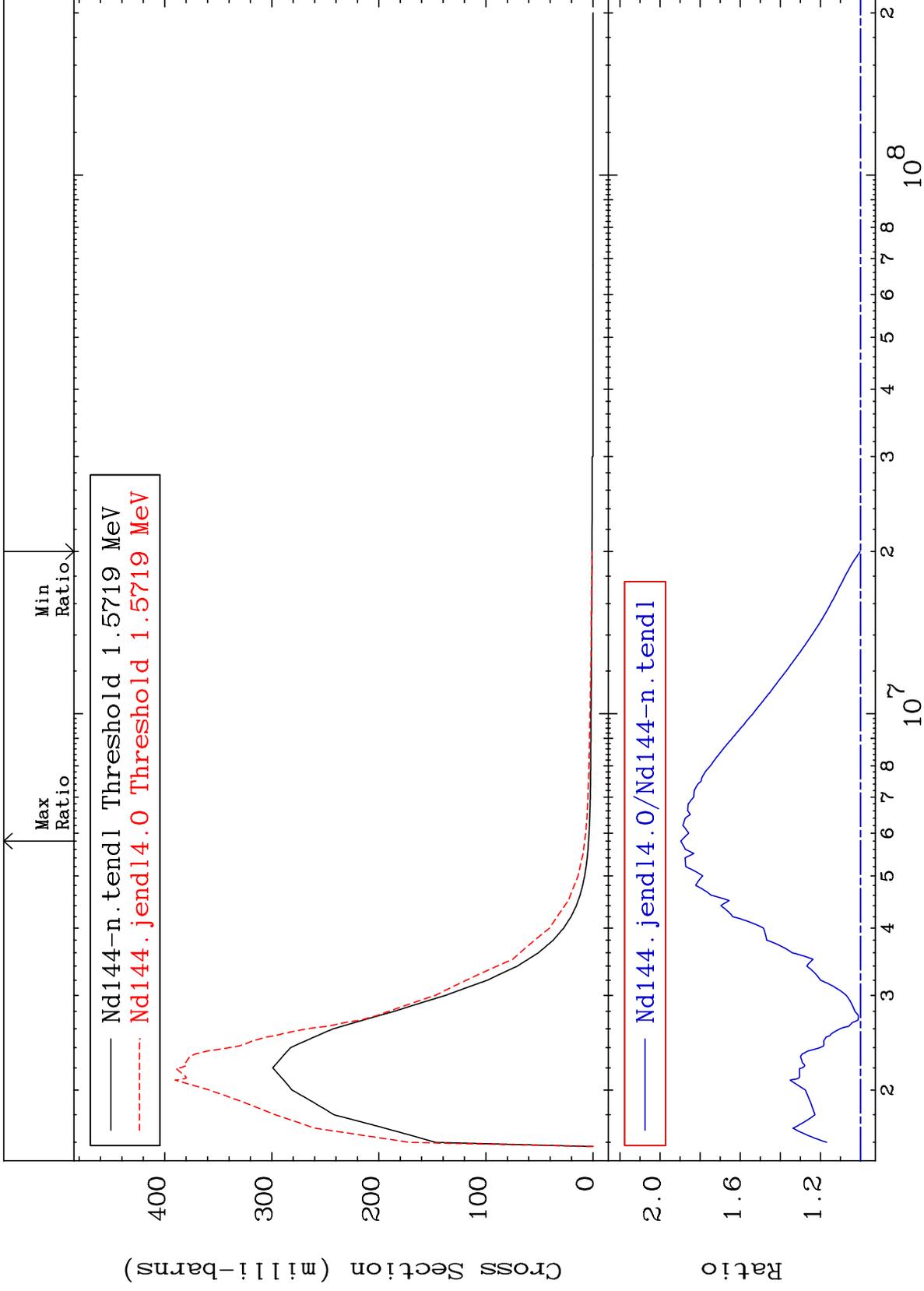
60-Nd-144
-86.29 To 98.29 %



MAT 6031

1.561 MeV (n, n') Level
Cross Section

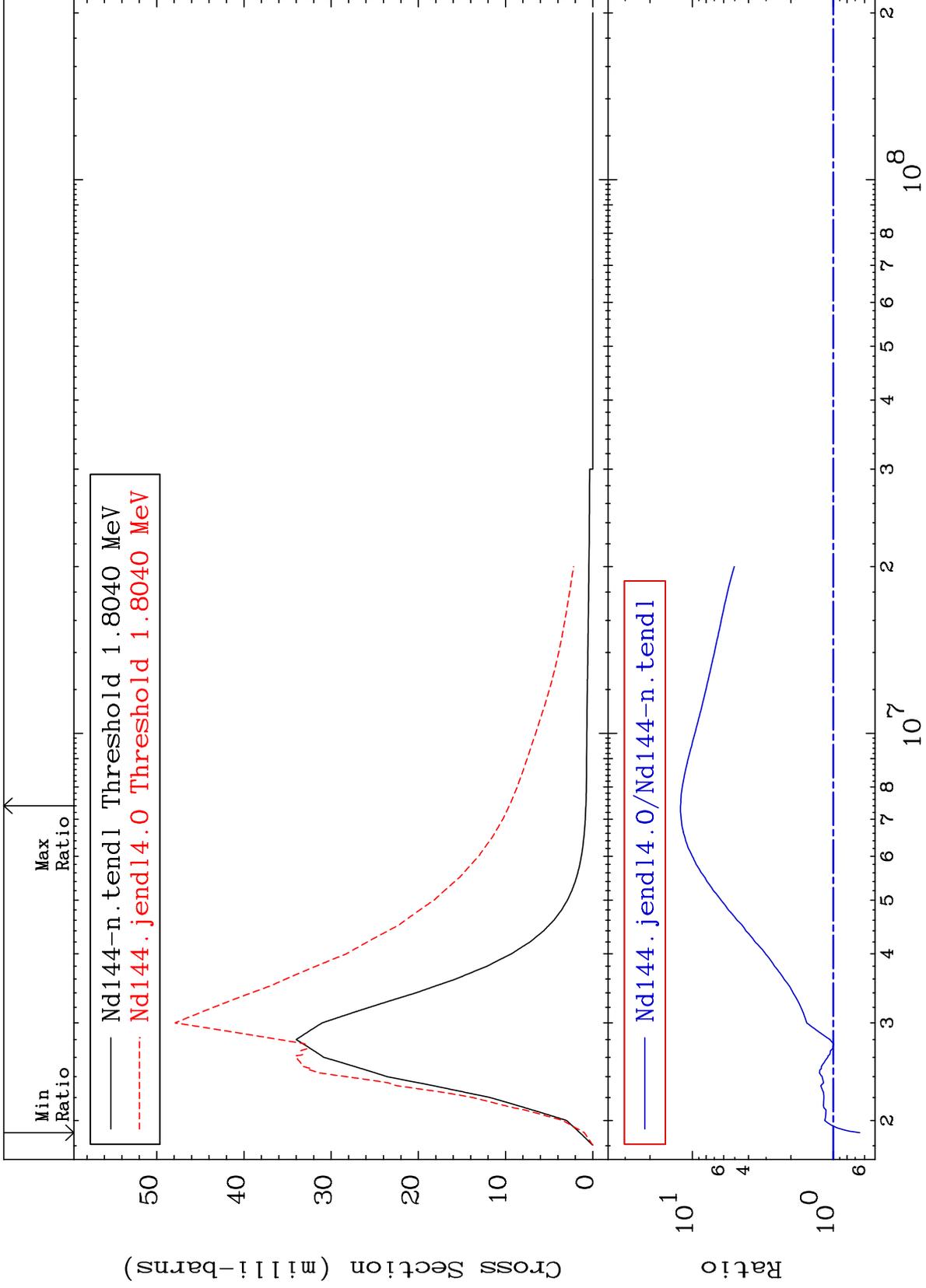
60-Nd-144
0.191 To 89.67 %



MAT 6031

1.791 MeV (n,n') Level
Cross Section

60-Nd-144
-35.07 To 1114. %



16

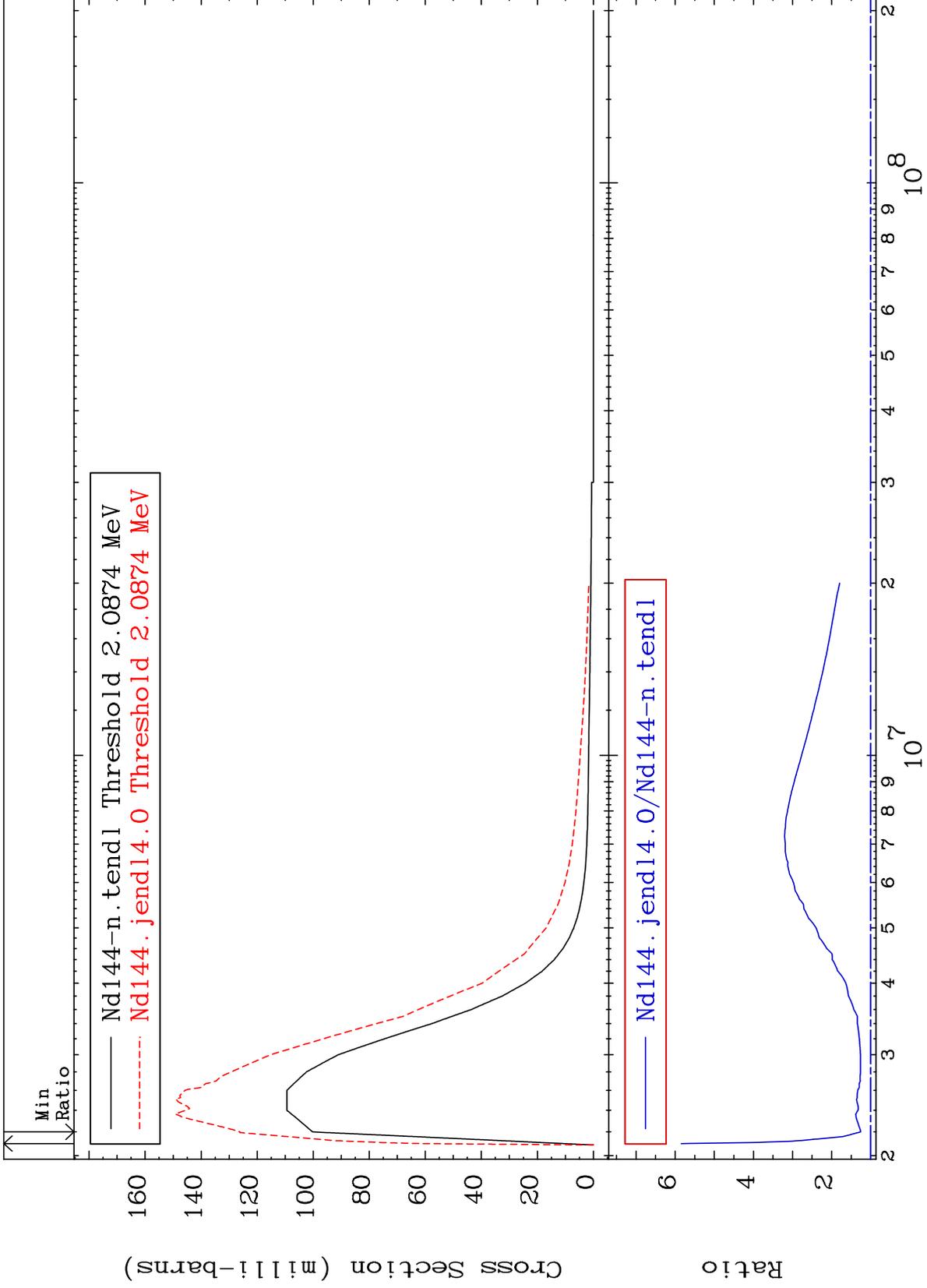
Incident Energy (eV)

60-Nd-144

MAT 6031

2.073 MeV (n,n') Level
Cross Section

60-Nd-144
25.86 To 484.4 %



17

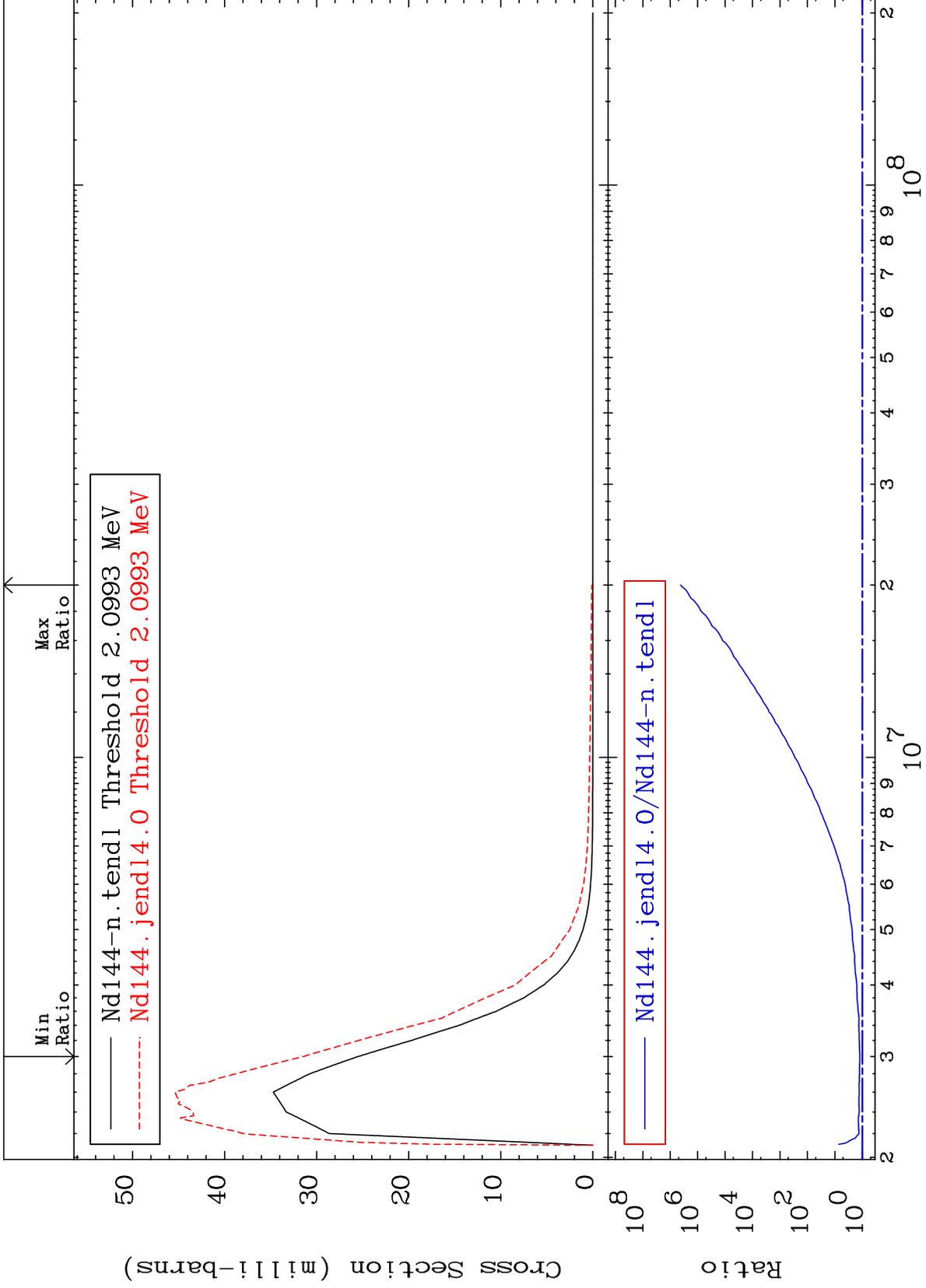
Incident Energy (eV)

60-Nd-144

MAT 6031

2.085 MeV (n,n') Level
Cross Section

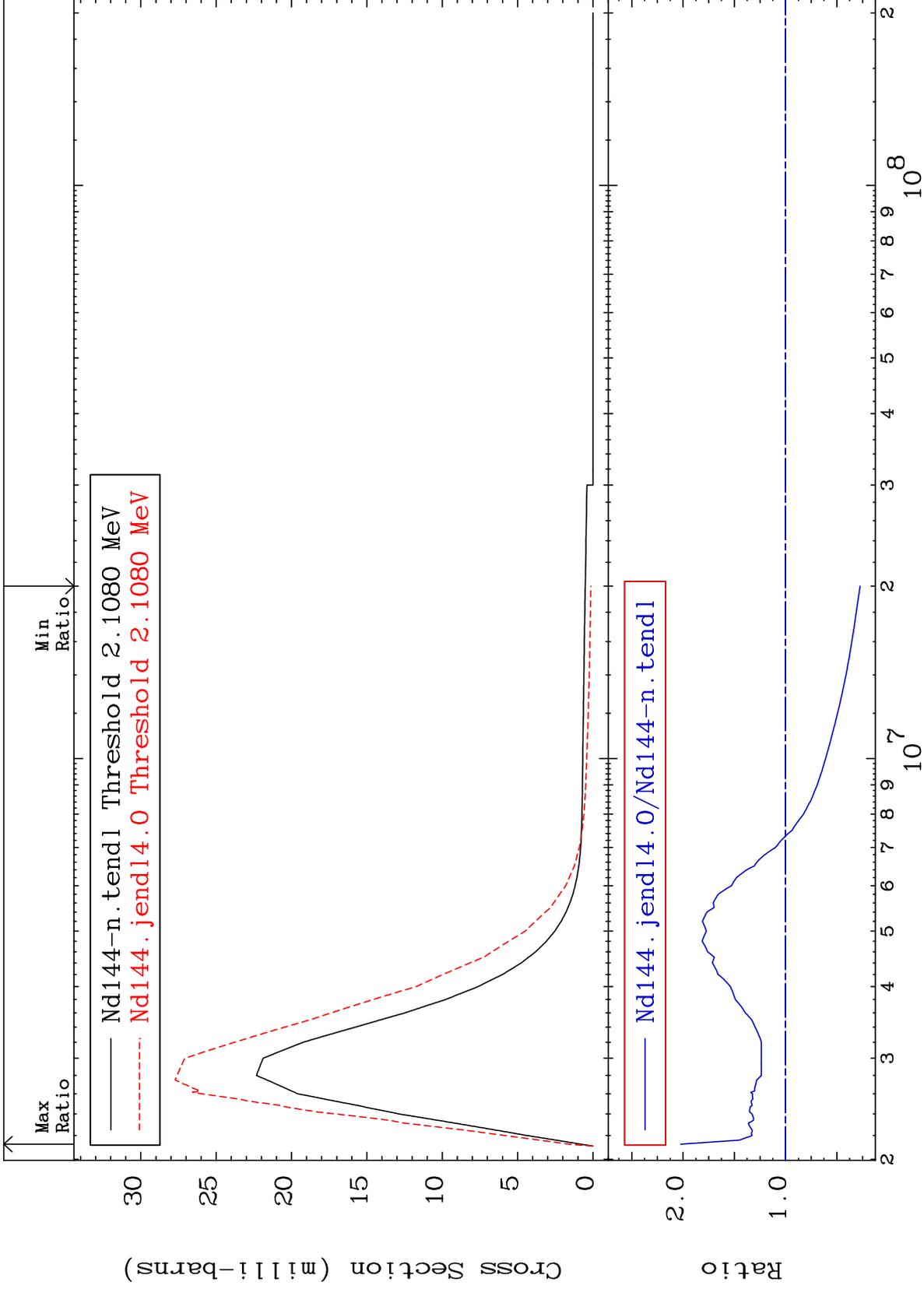
60-Nd-144
23.41 To 9999. %



MAT 6031

2.093 MeV (n,n') Level
Cross Section

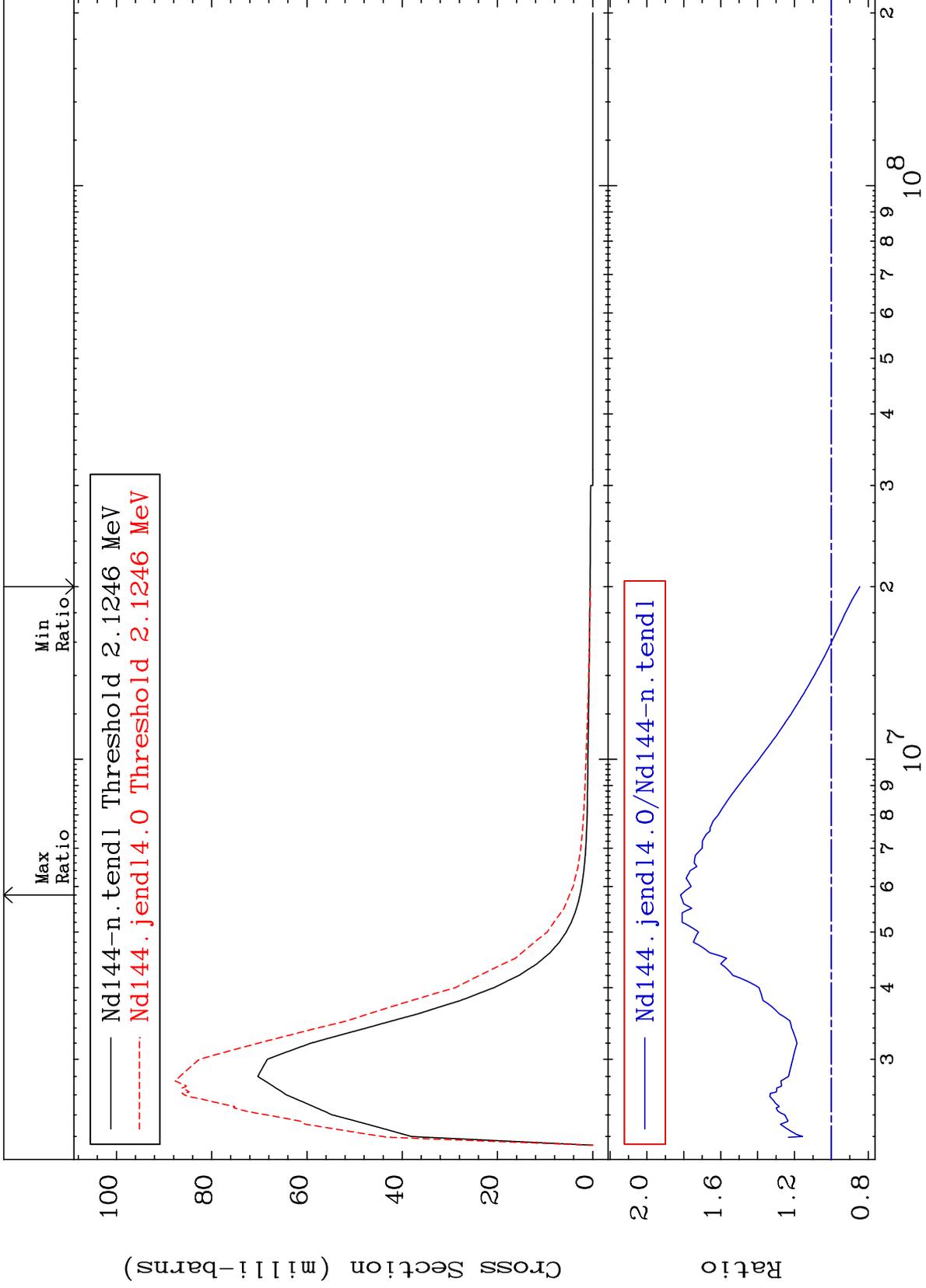
60-Nd-144
-72.63 To 102.2 %



MAT 6031

2.110 MeV (n,n') Level
Cross Section

60-Nd-144
-15.39 To 81.79 %



20

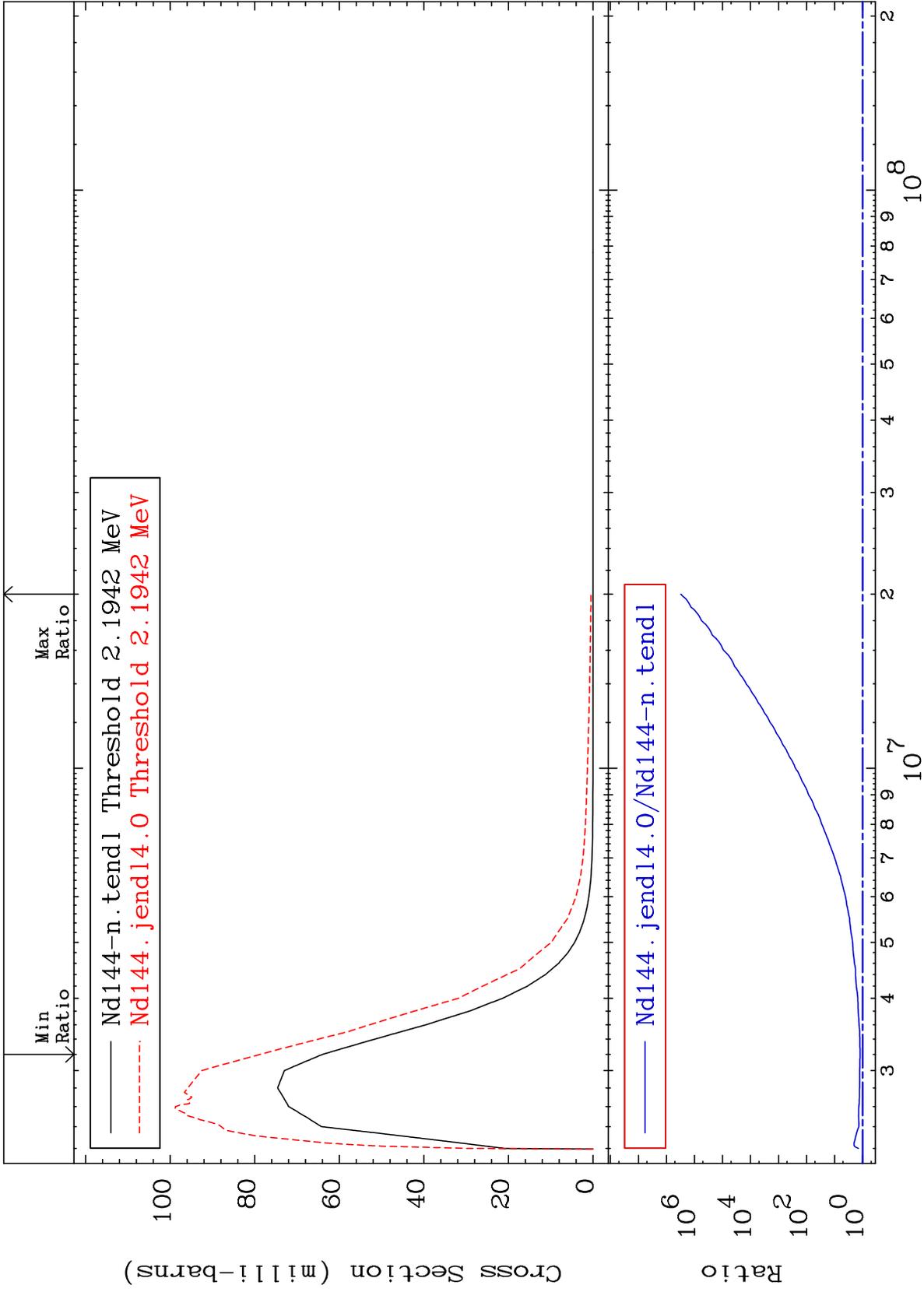
Incident Energy (eV)

60-Nd-144

MAT 6031

2.179 MeV (n,n') Level
Cross Section

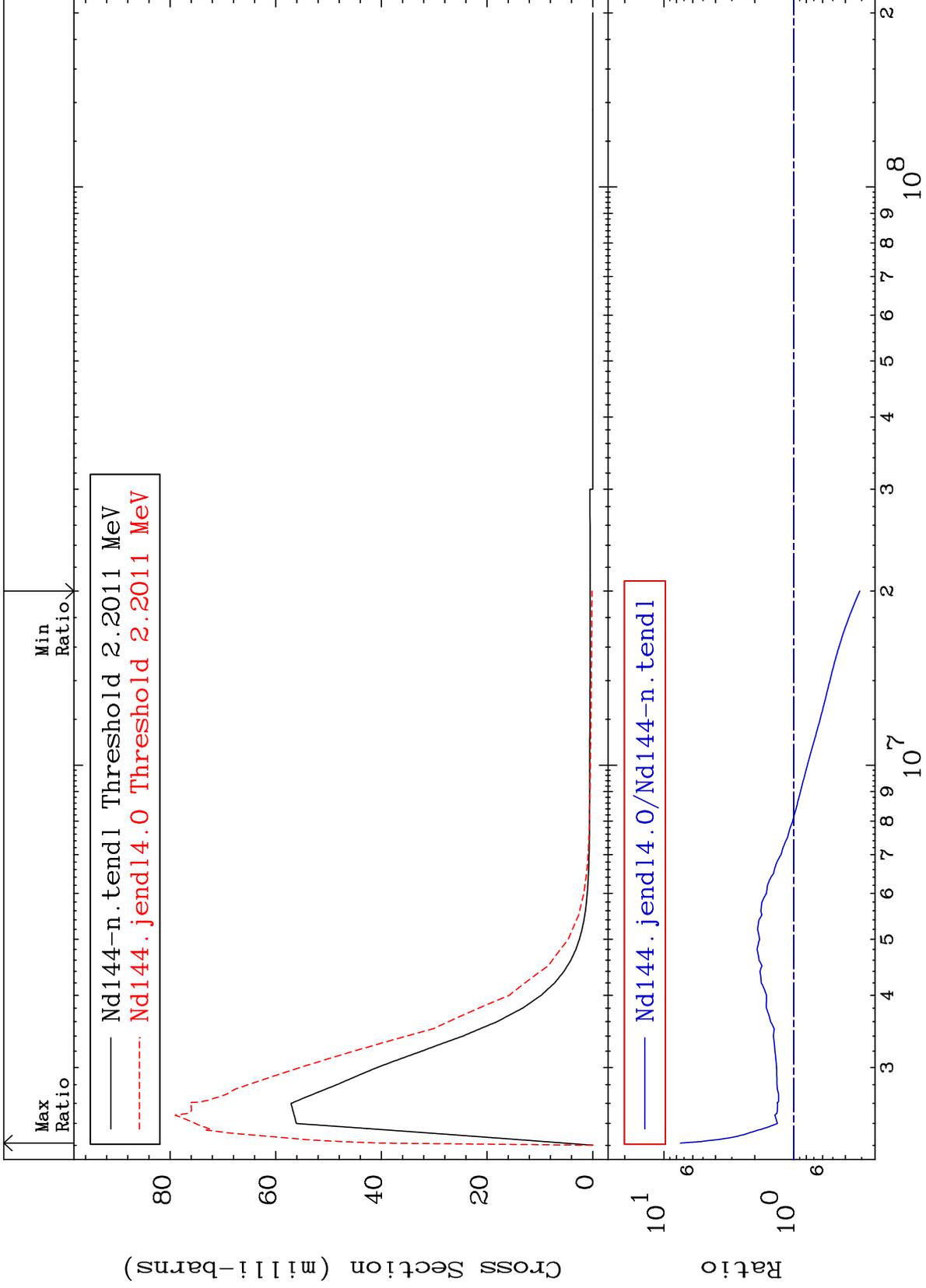
60-Nd-144
23.15 To 9999. %



MAT 6031

2.186 MeV (n,n') Level
Cross Section

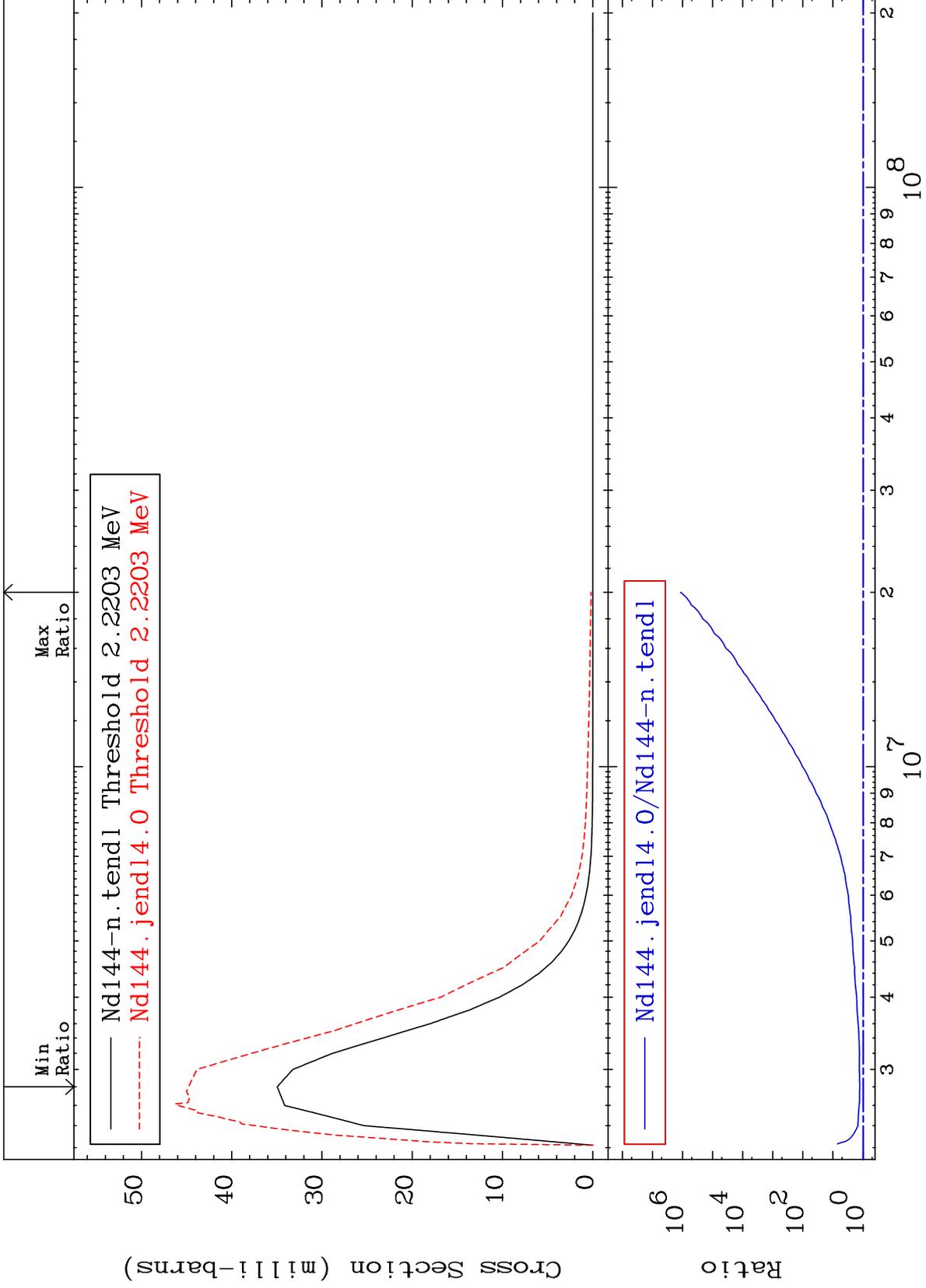
60-Nd-144
-68.96 To 644.7 %



MAT 6031

2.205 MeV (n,n') Level
Cross Section

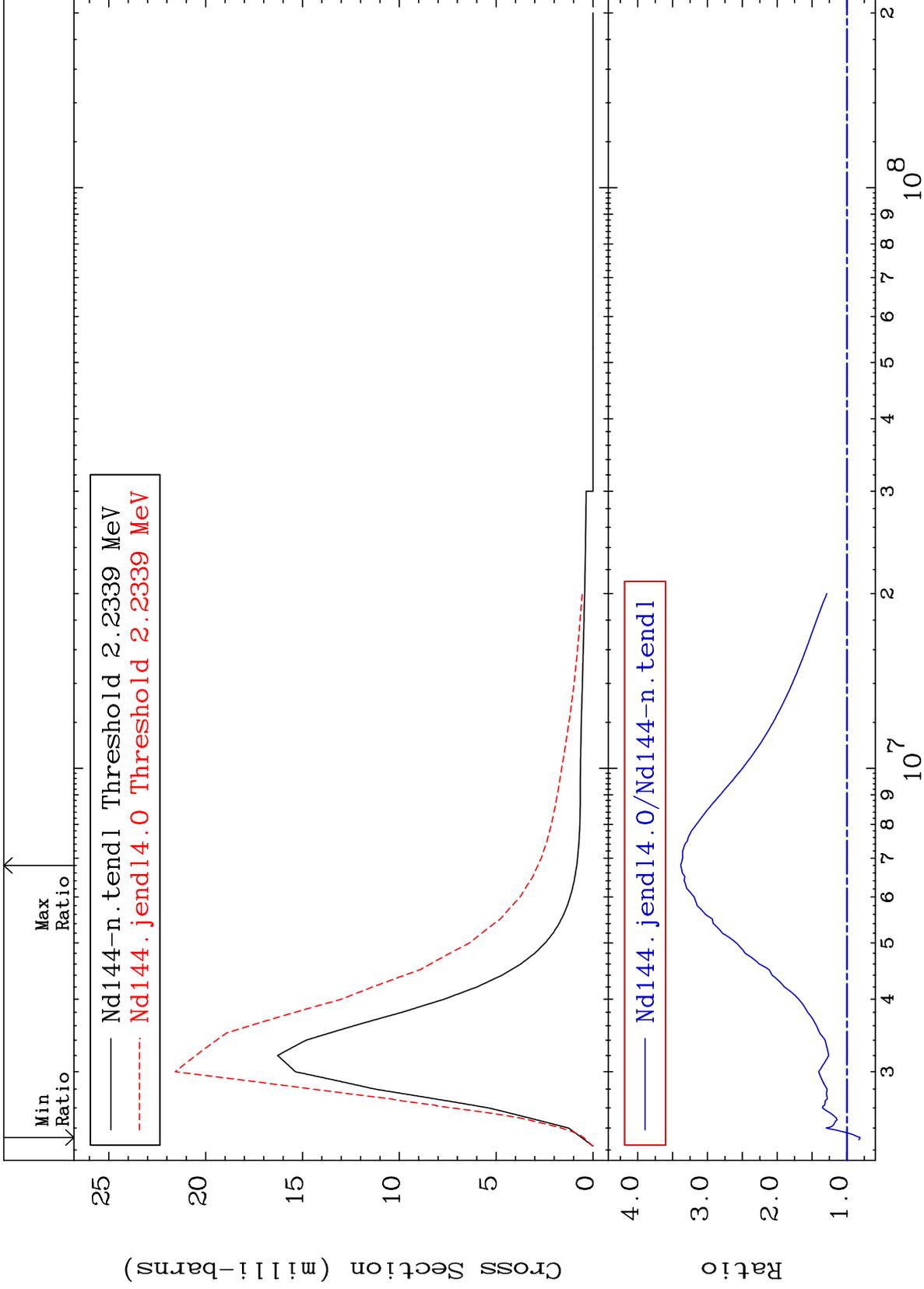
60-Nd-144
28.10 To 9999. %



MAT 6031

2.218 MeV (n,n') Level
Cross Section

60-Nd-144
-18.97 To 238.3 %



24

Incident Energy (eV)

60-Nd-144

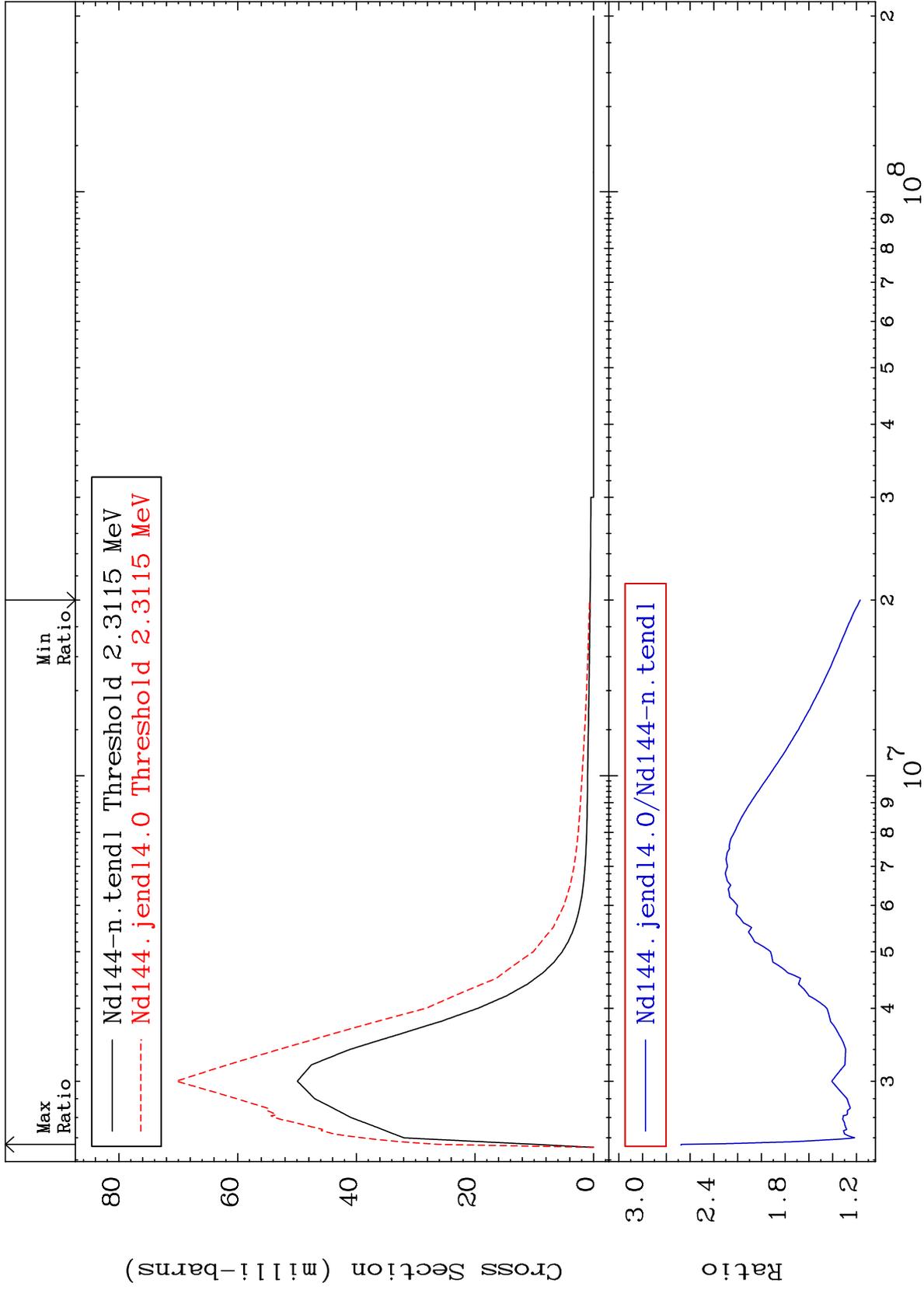
MAT 6031

2.295 MeV (n,n') Level

60-Nd-144

16.90 To 167.5 %

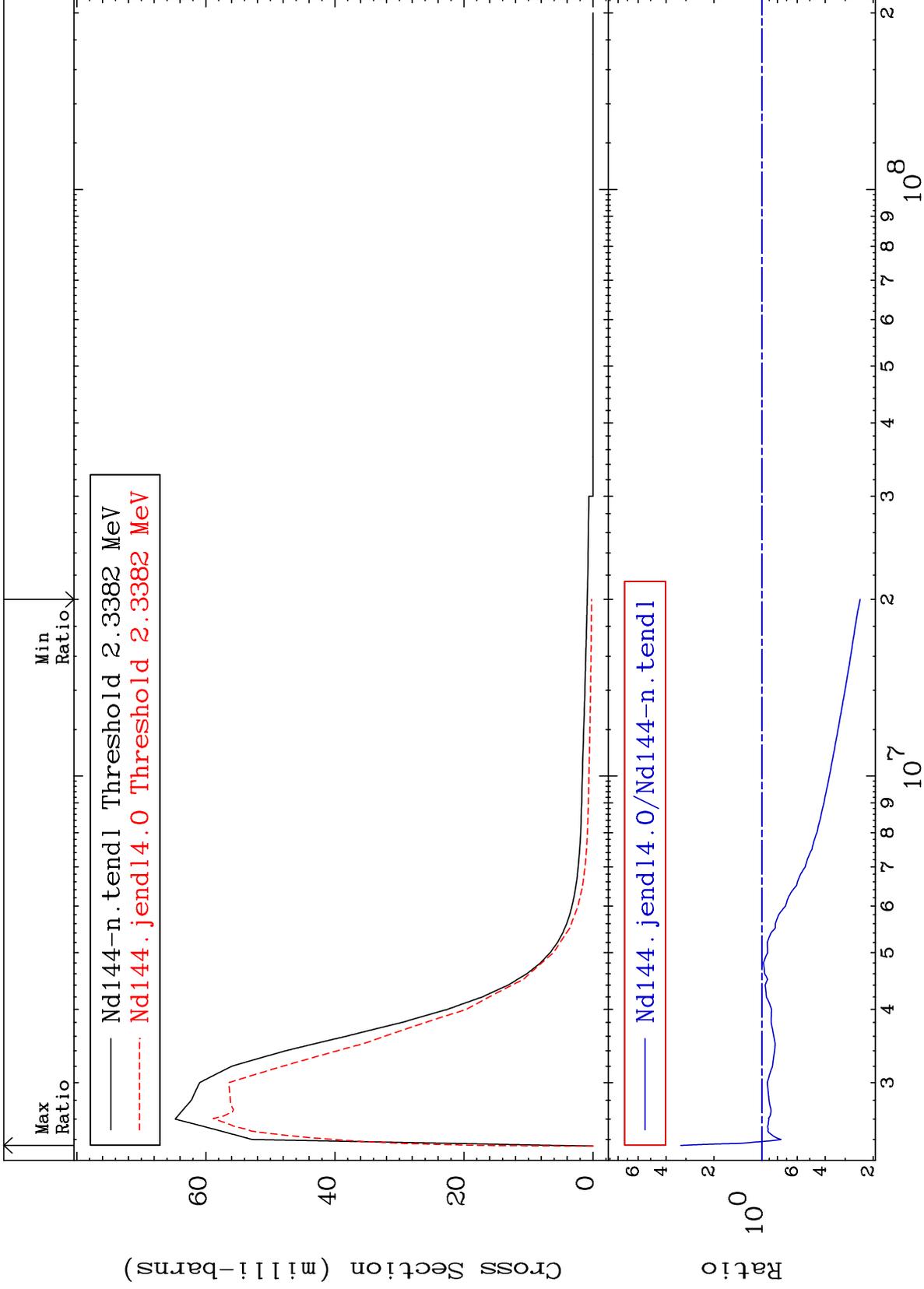
Cross Section



MAT 6031

2.322 MeV (n,n') Level
Cross Section

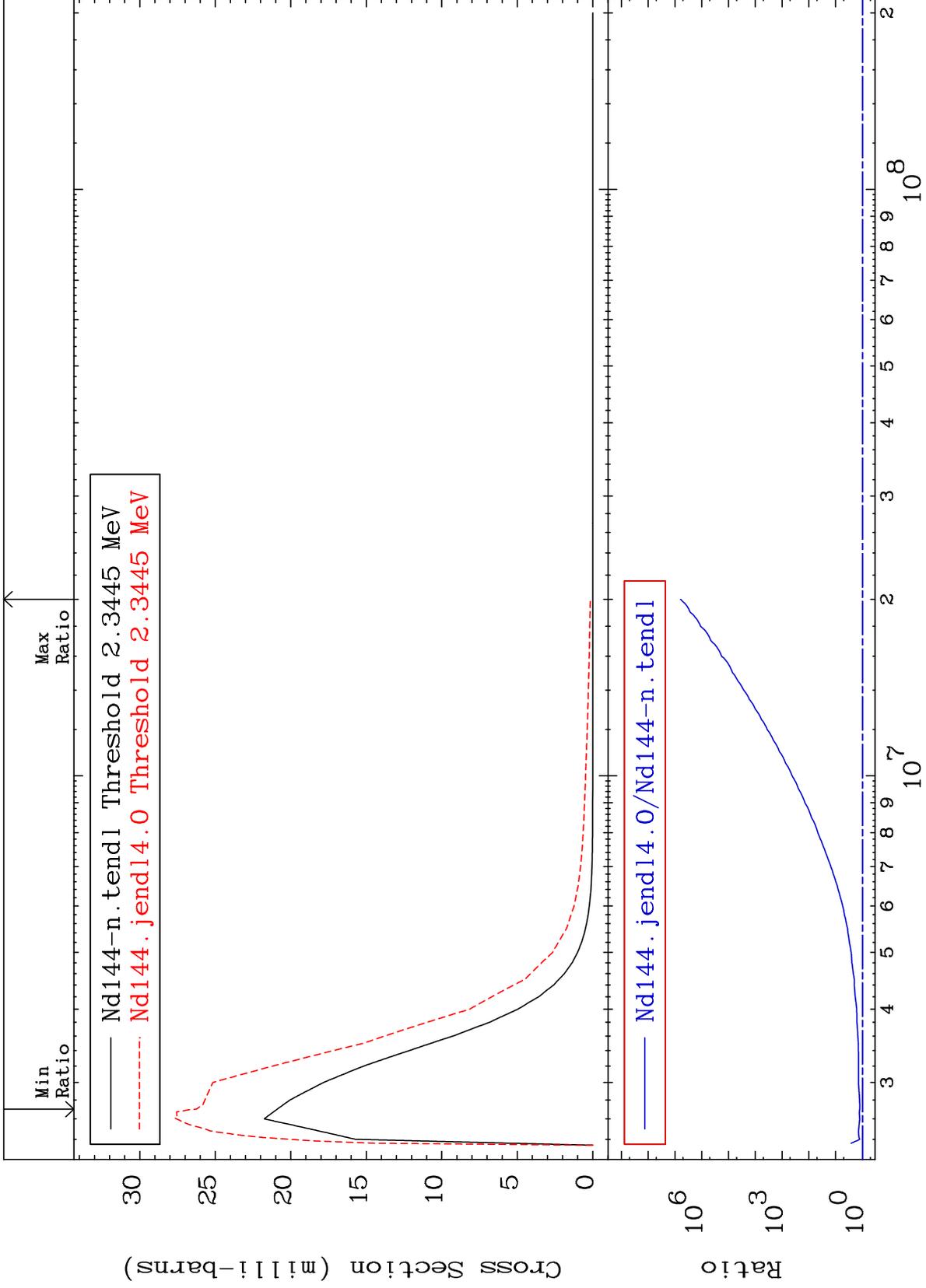
60-Nd-144
-75.82 To 223.5 %



MAT 6031

2.328 MeV (n,n') Level
Cross Section

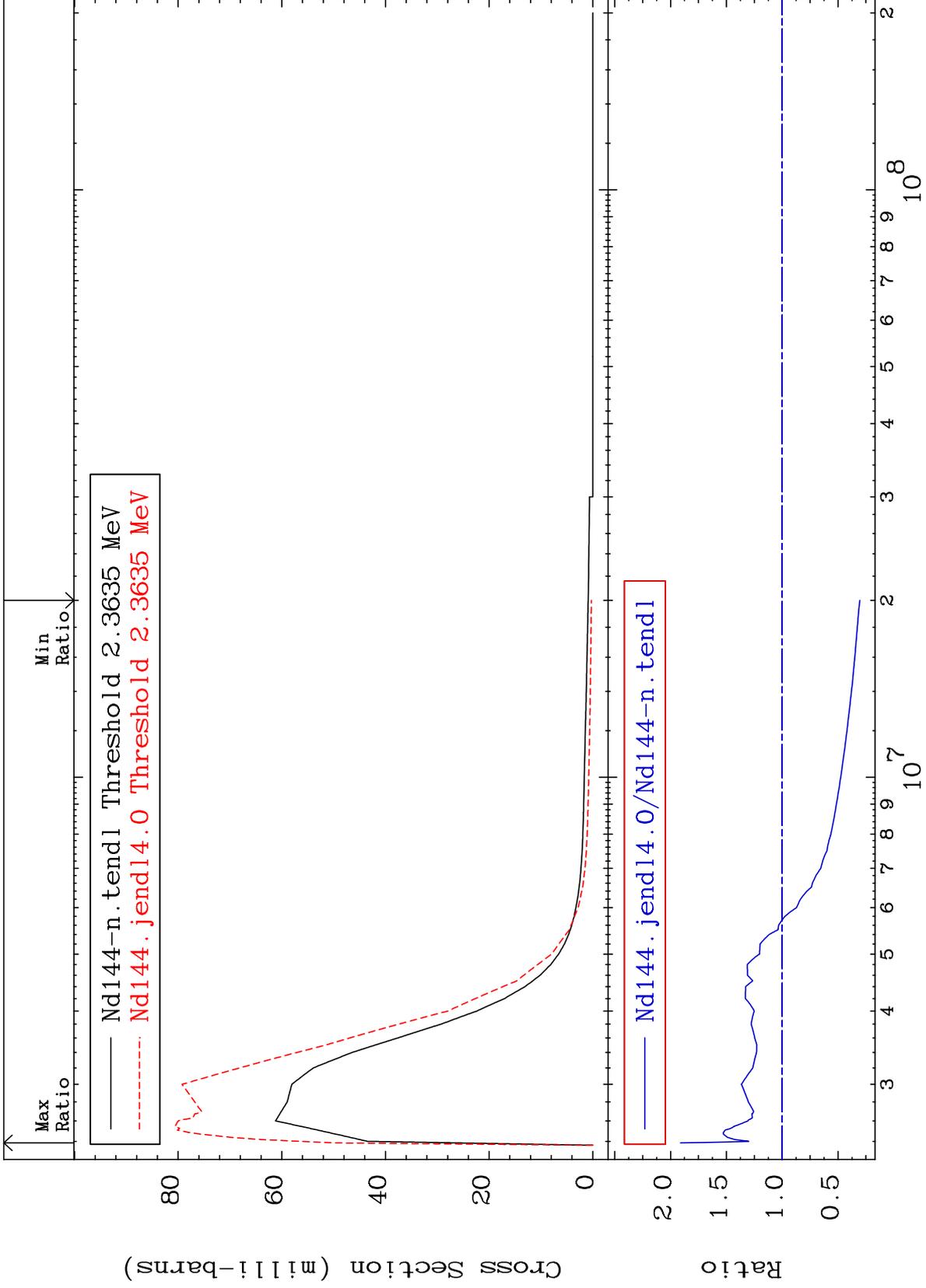
60-Nd-144
25.64 To 9999. %



MAT 6031

2.347 MeV (n,n') Level
Cross Section

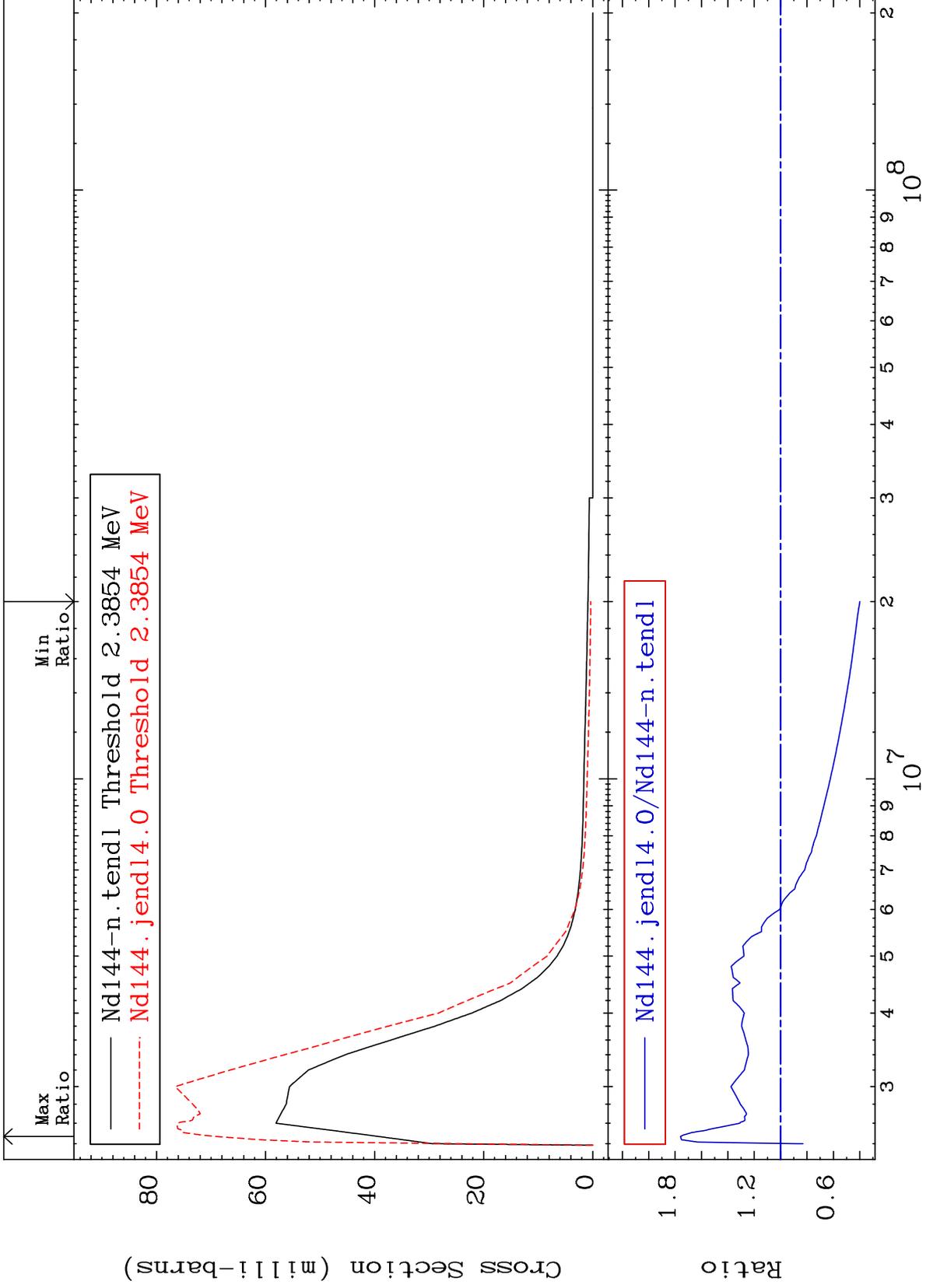
60-Nd-144
-69.50 To 91.10 %



MAT 6031

2.369 MeV (n,n') Level
Cross Section

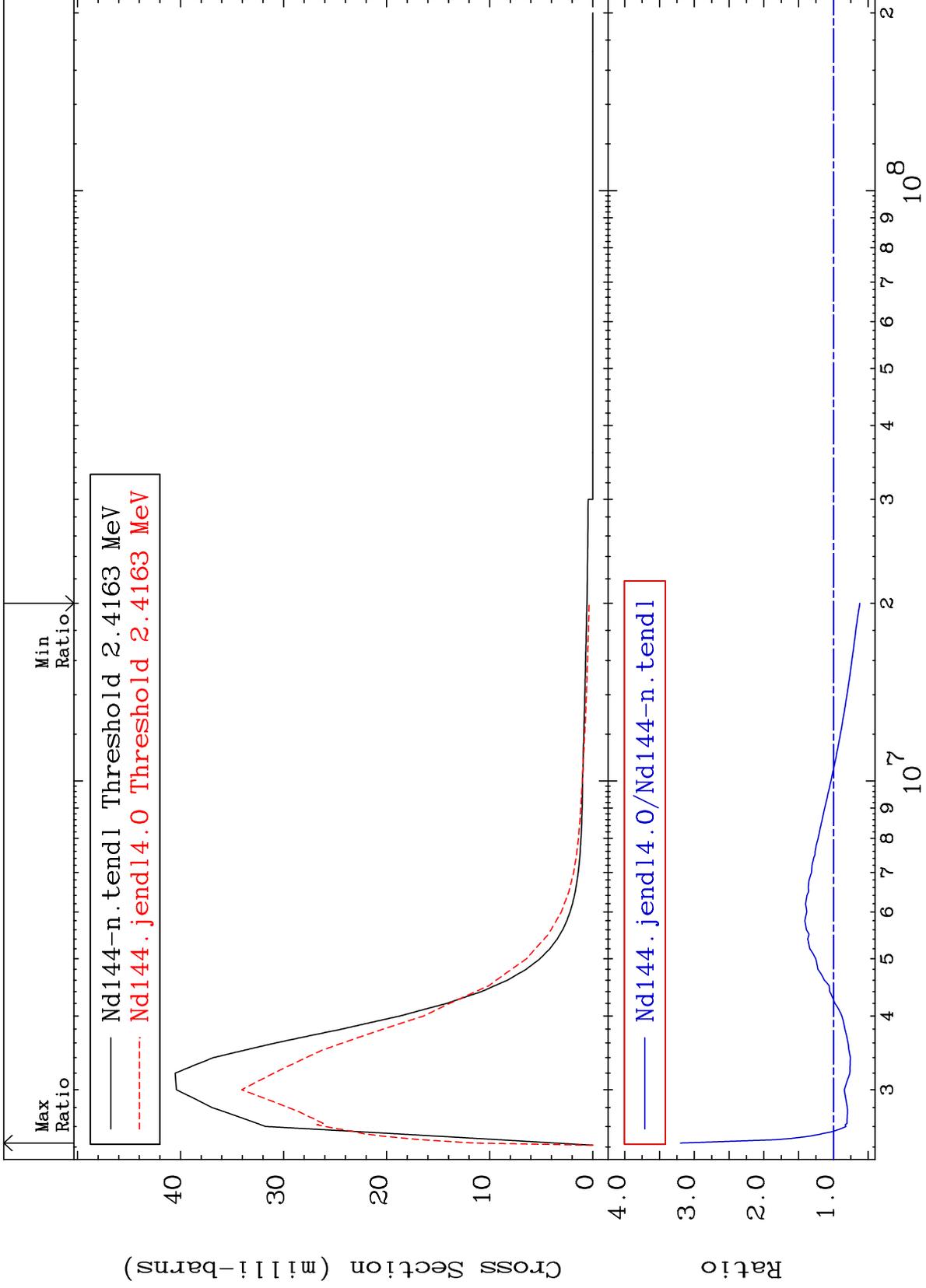
60-Nd-144
-60.02 To 75.91 %



MAT 6031

2.399 MeV (n,n') Level
Cross Section

60-Nd-144
-37.95 To 219.8 %



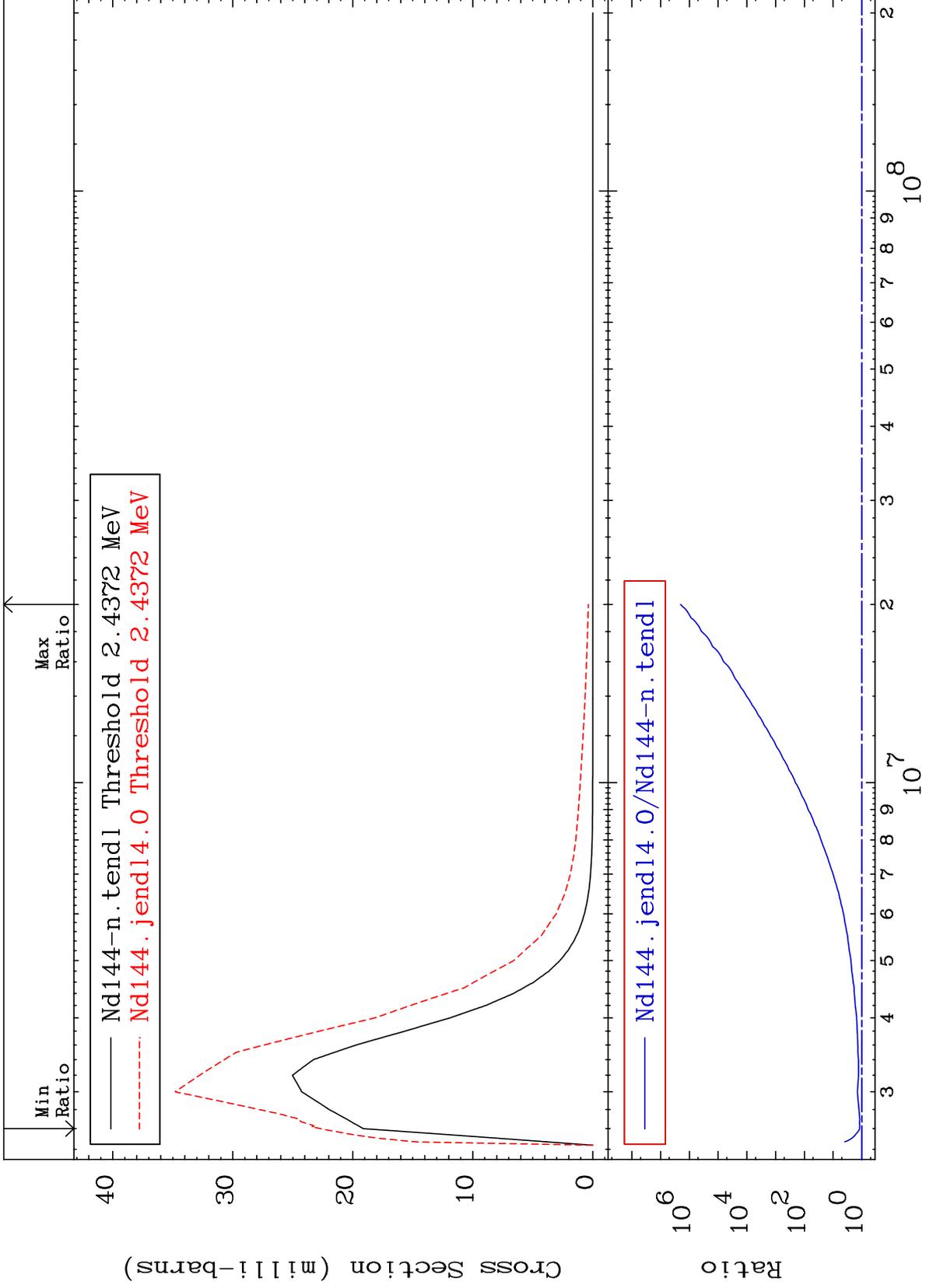
30

60-Nd-144

MAT 6031

2.420 MeV (n,n') Level
Cross Section

60-Nd-144
18.58 To 9999. %



31

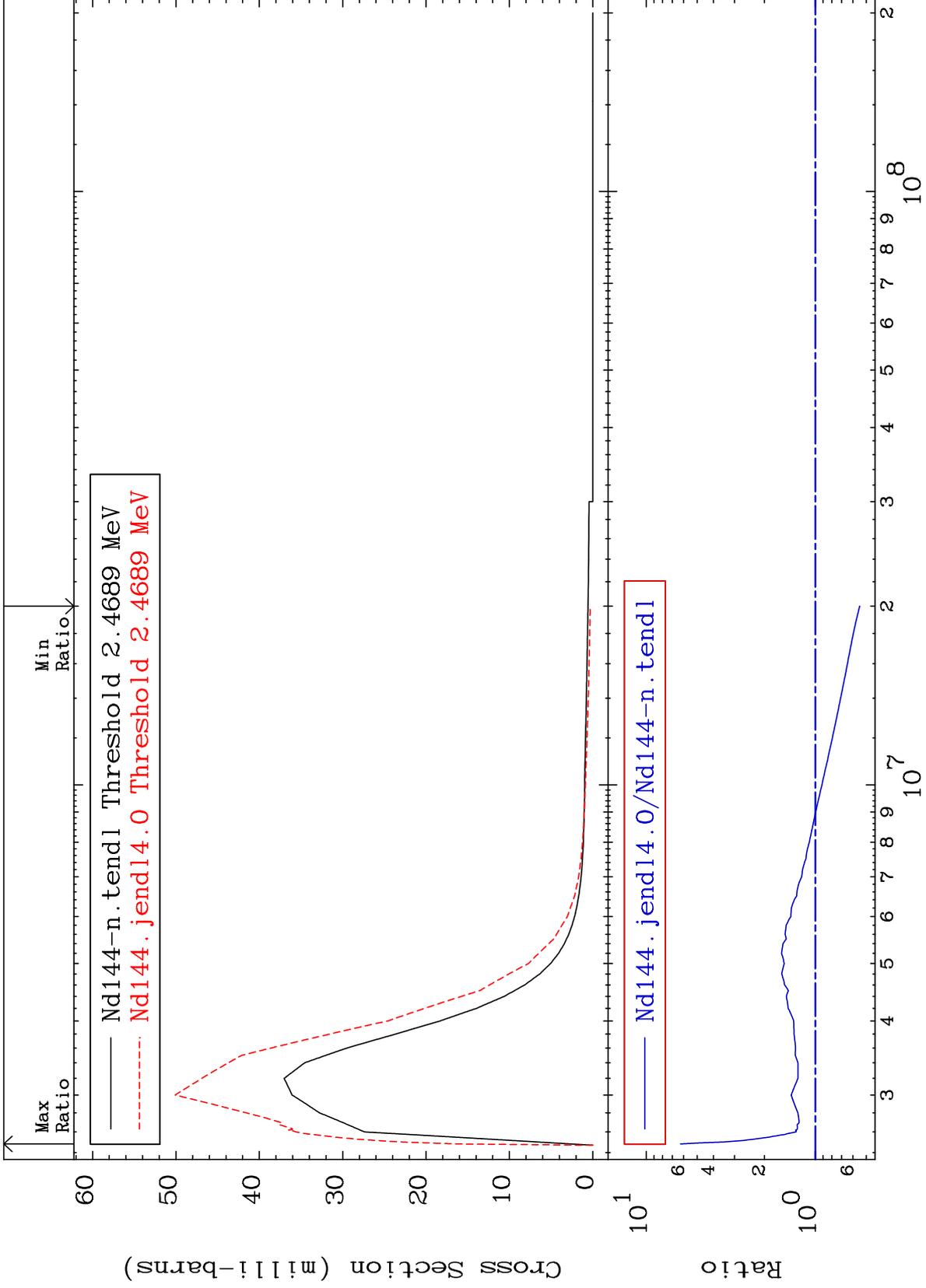
Incident Energy (eV)

60-Nd-144

MAT 6031

2.452 MeV (n,n') Level
Cross Section

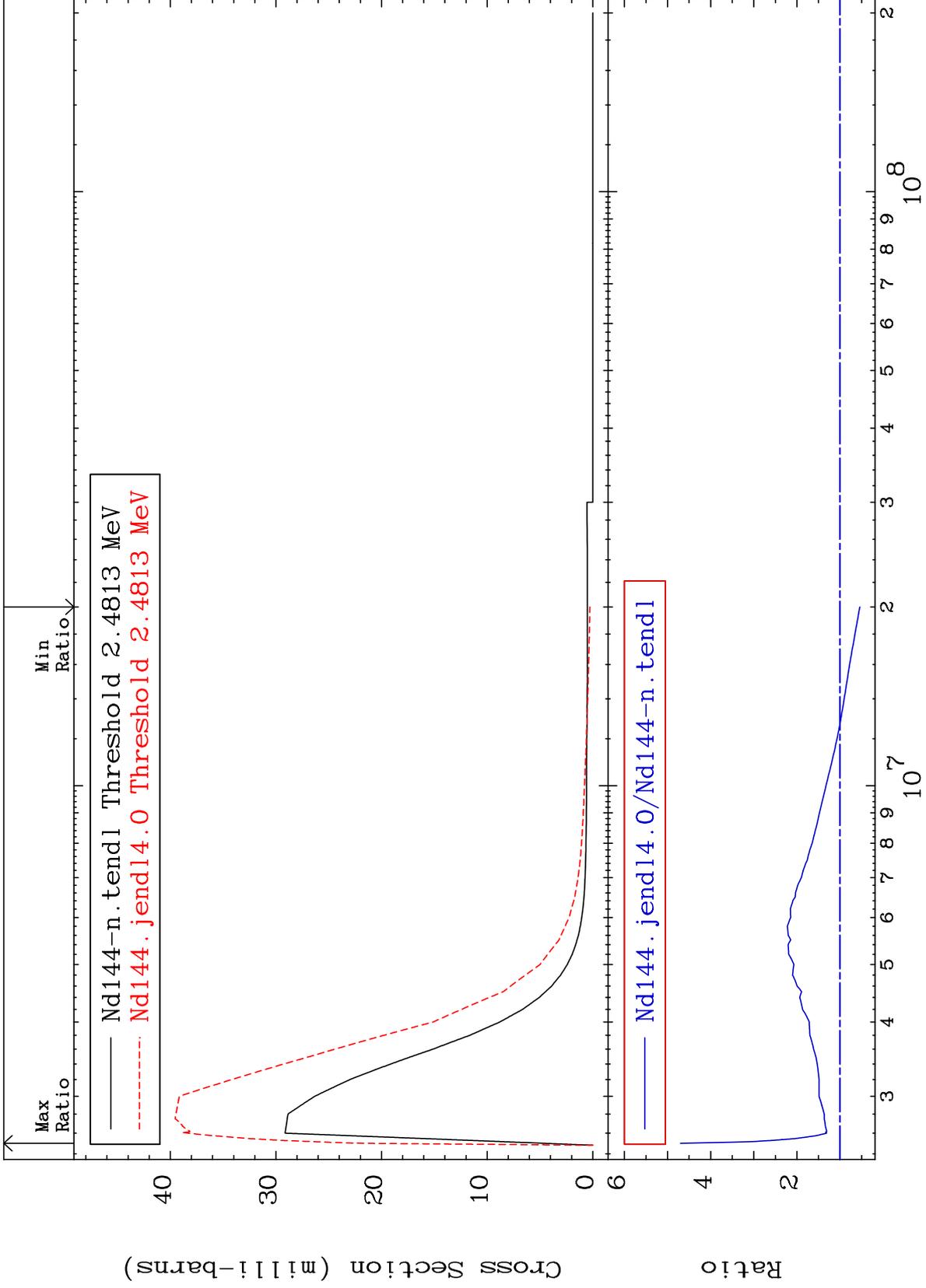
60-Nd-144
-45.40 To 526.4 %



MAT 6031

2.464 MeV (n,n') Level
Cross Section

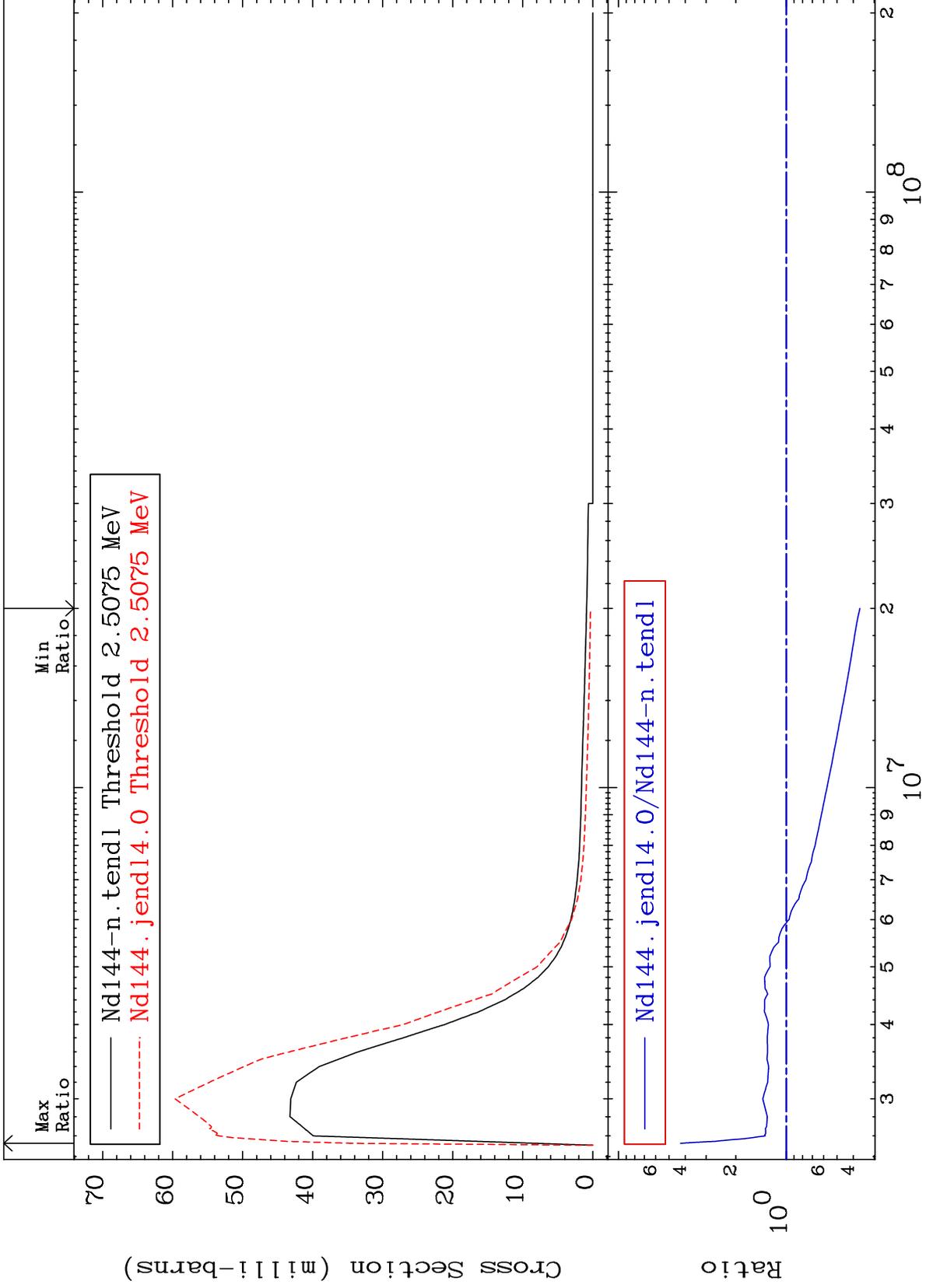
60-Nd-144
-45.76 To 369.9 %



MAT 6031

2.490 MeV (n,n') Level
Cross Section

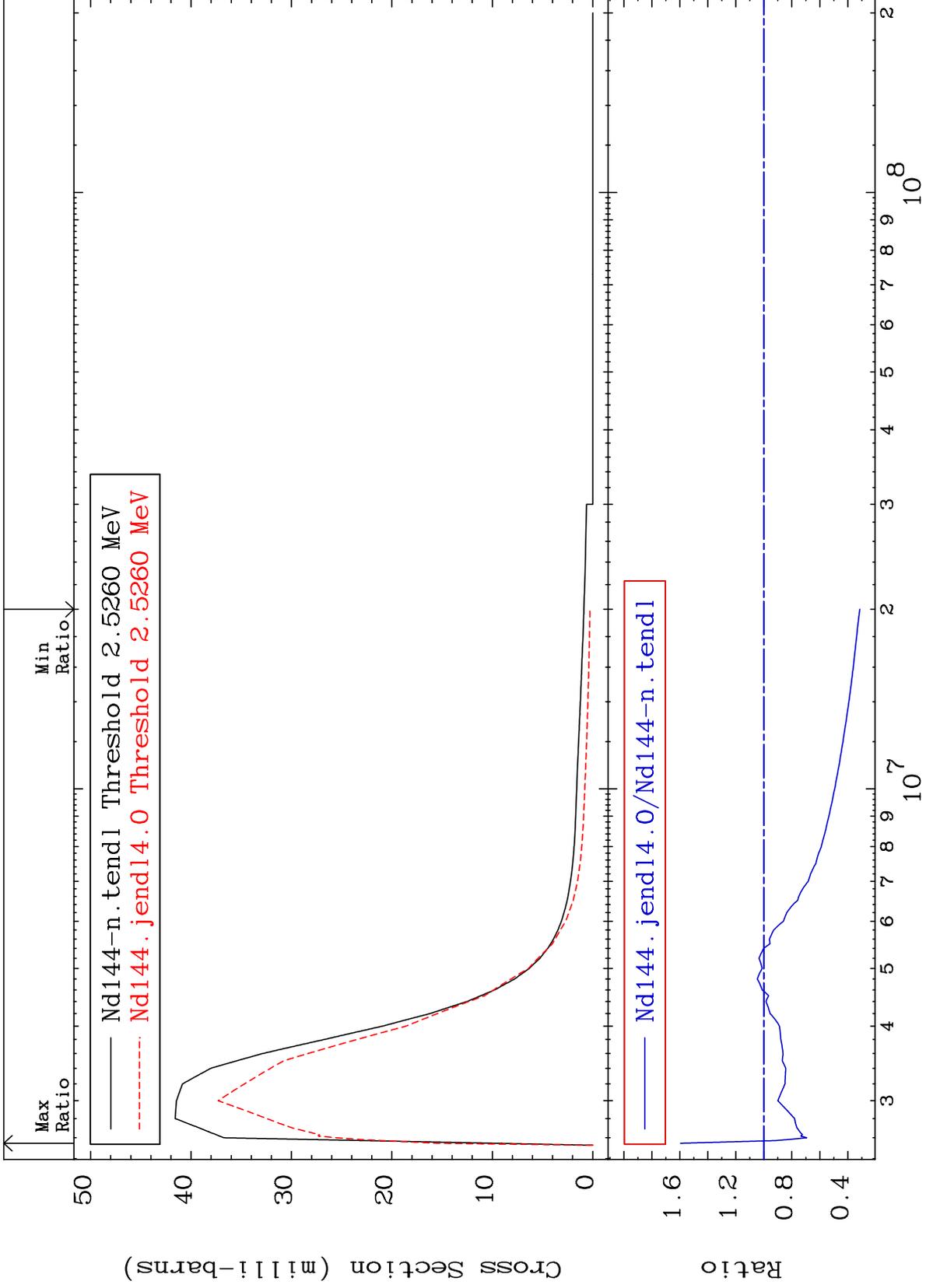
60-Nd-144
-63.45 To 326.9 %



MAT 6031

2.508 MeV (n,n') Level
Cross Section

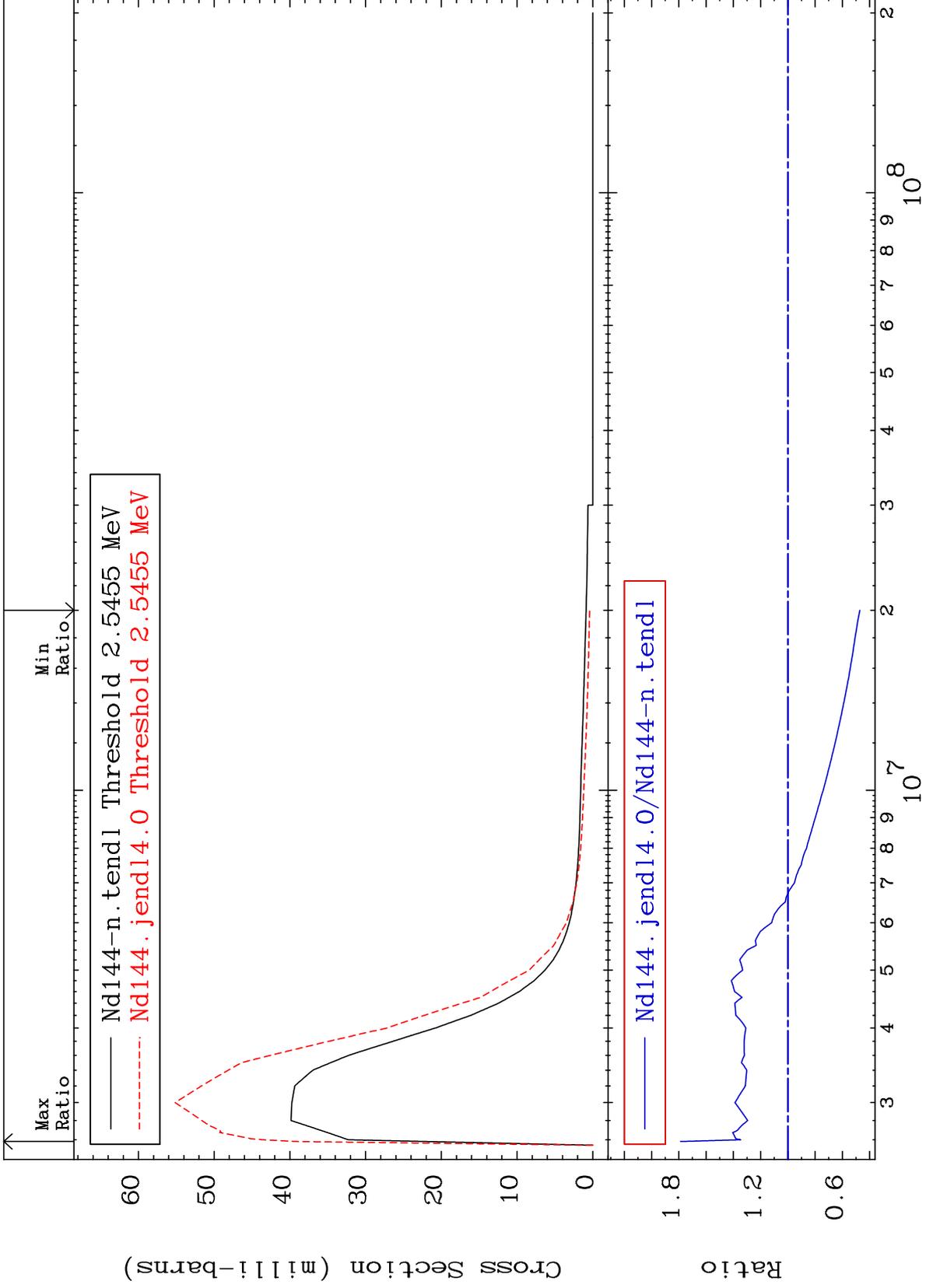
60-Nd-144
-68.55 To 59.52 %



MAT 6031

2.528 MeV (n,n') Level
Cross Section

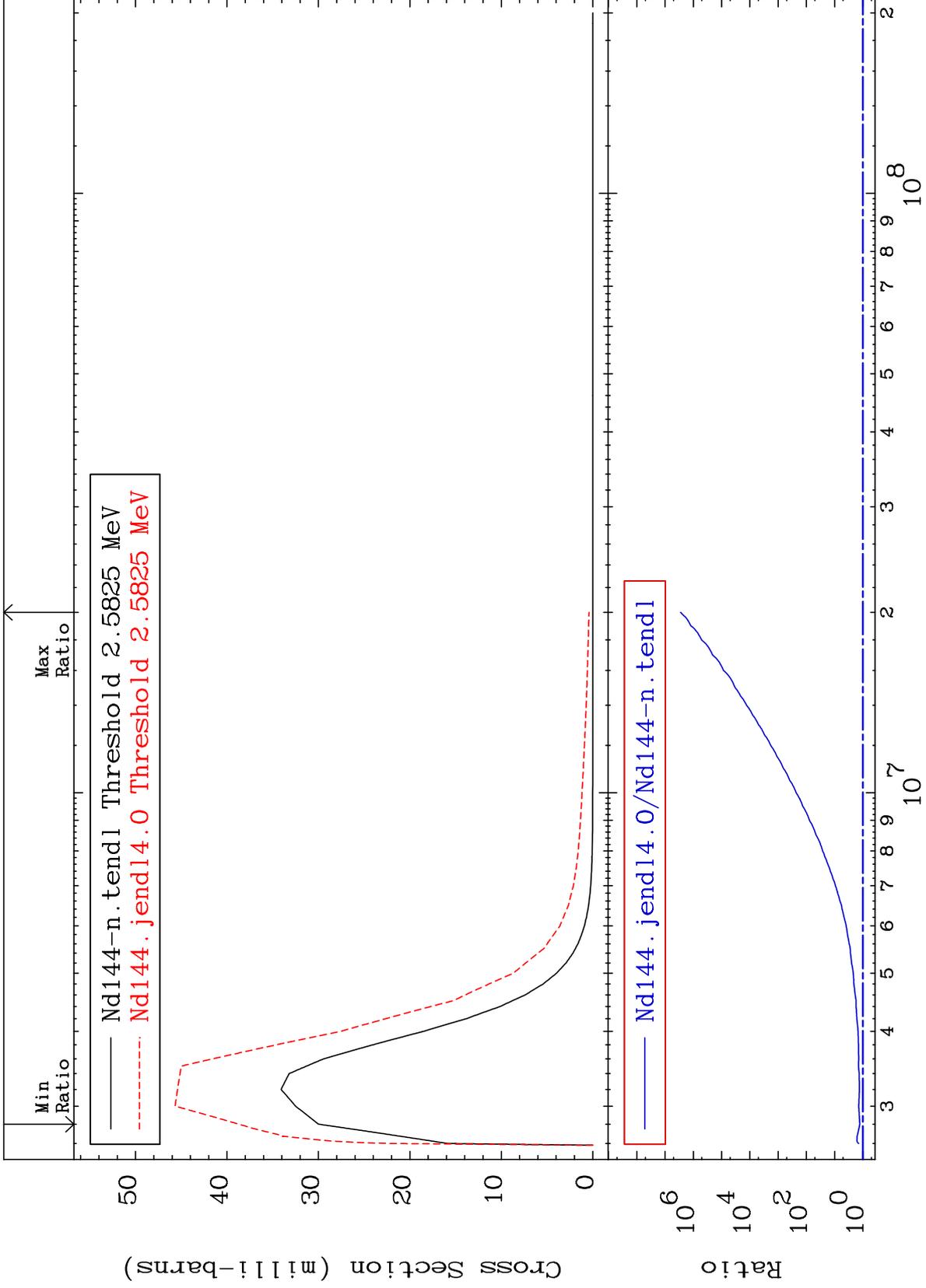
60-Nd-144
-52.76 To 78.77 %



MAT 6031

2.565 MeV (n,n') Level
Cross Section

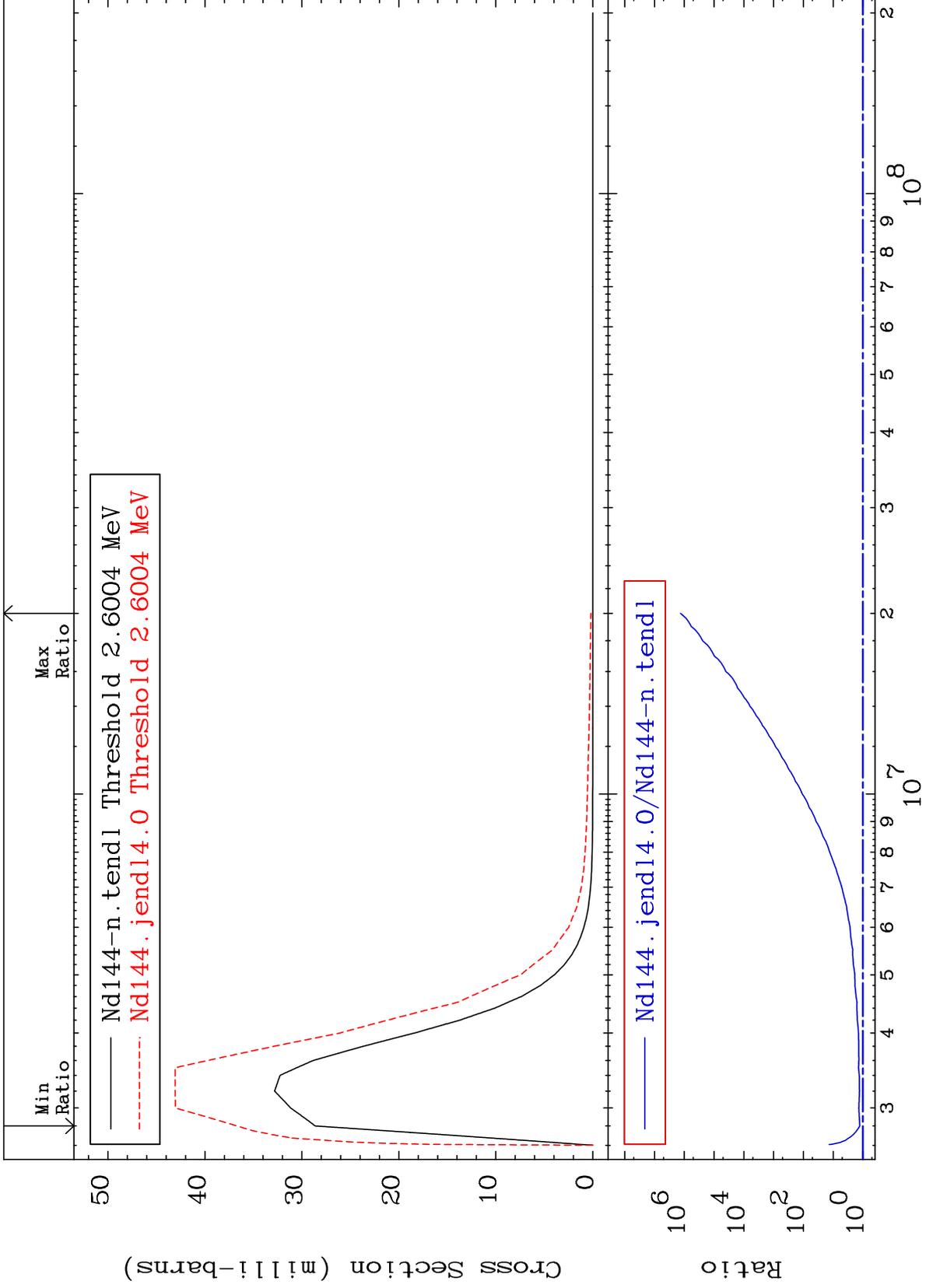
60-Nd-144
29.08 To 9999. %



MAT 6031

2.582 MeV (n,n') Level
Cross Section

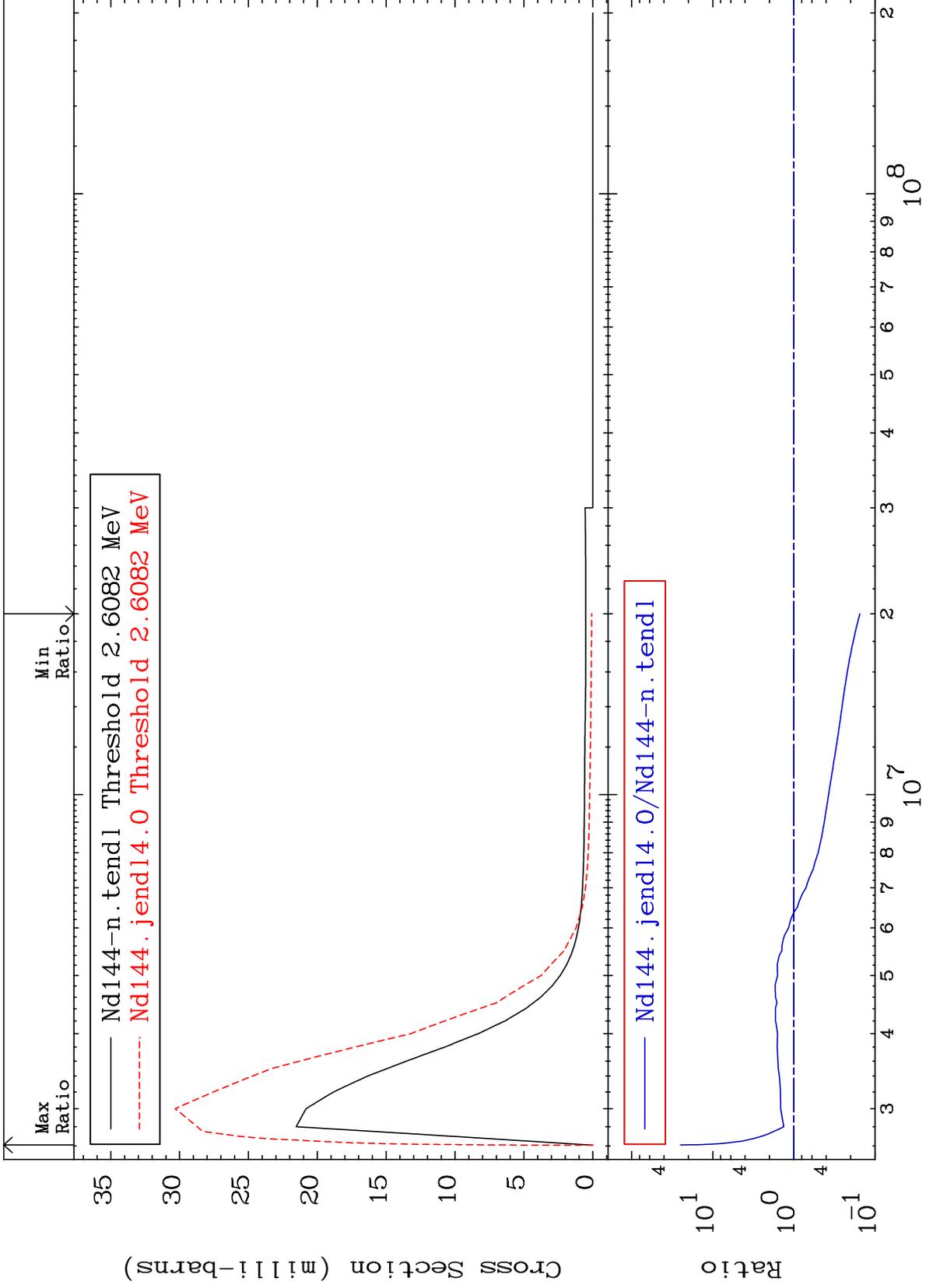
60-Nd-144
28.19 To 9999. %



MAT 6031

2.590 MeV (n,n') Level
Cross Section

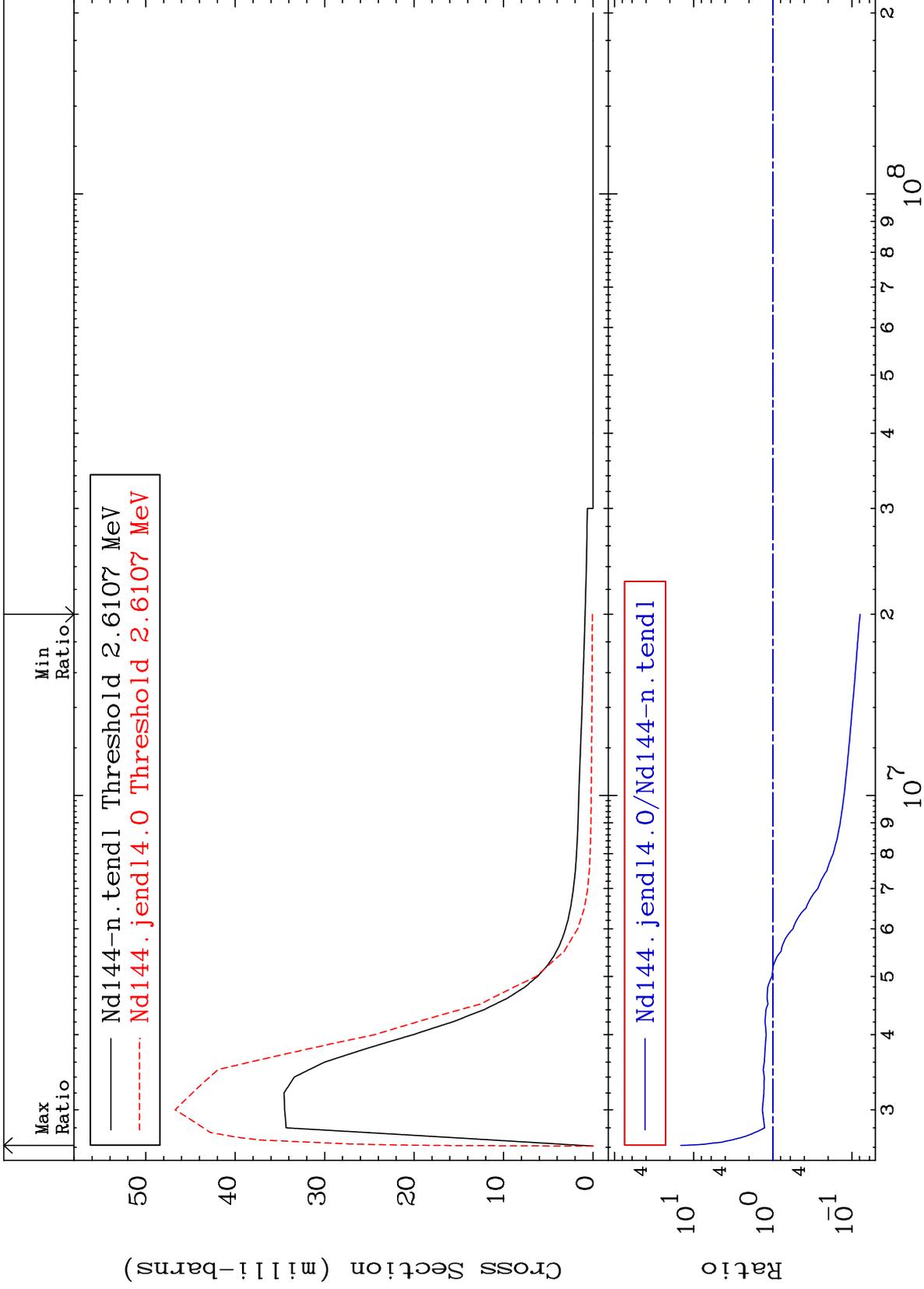
60-Nd-144
-84.59 To 2397. %



MAT 6031

2.593 MeV (n,n') Level
Cross Section

60-Nd-144
-92.12 To 1357. %



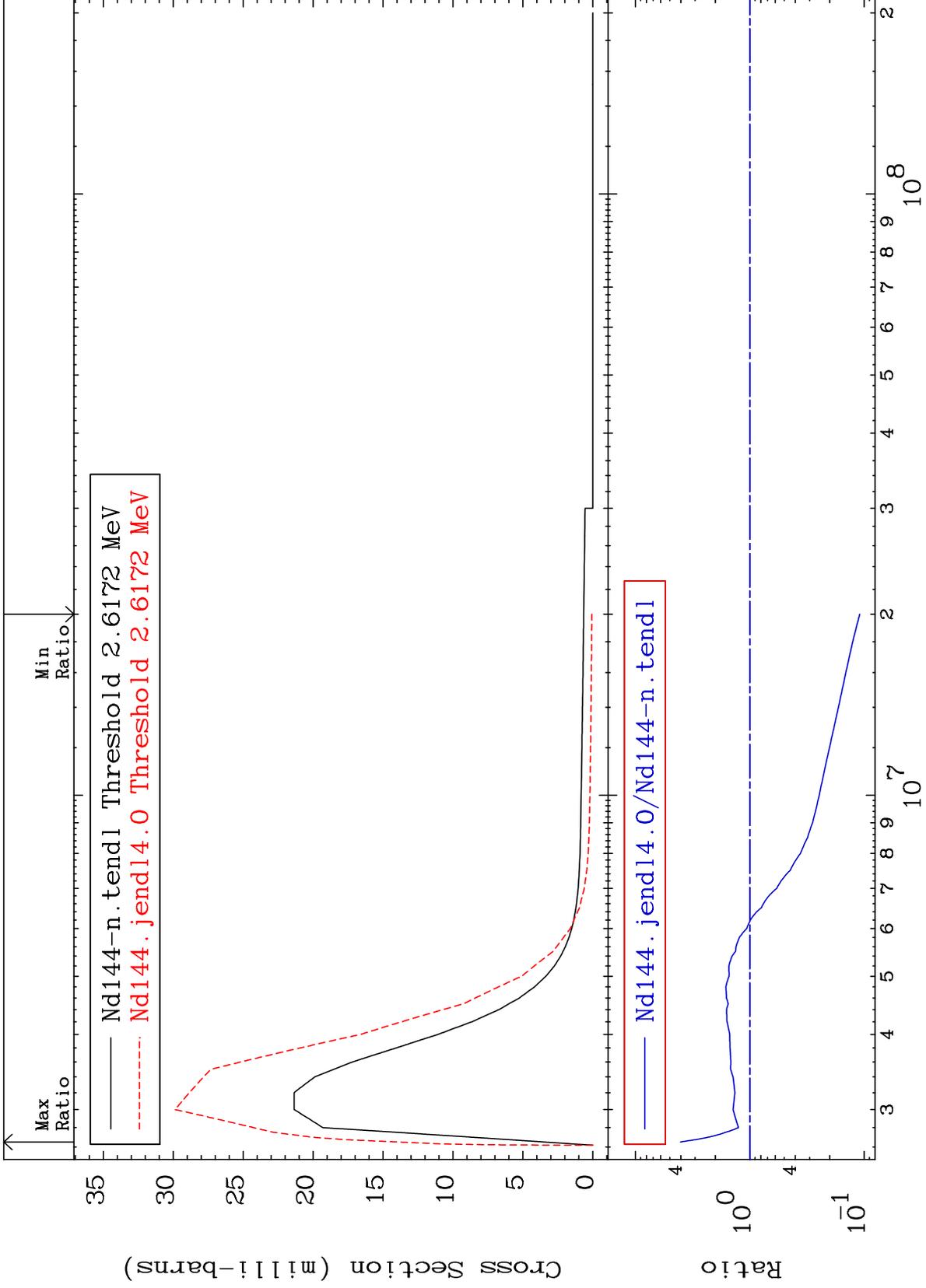
40

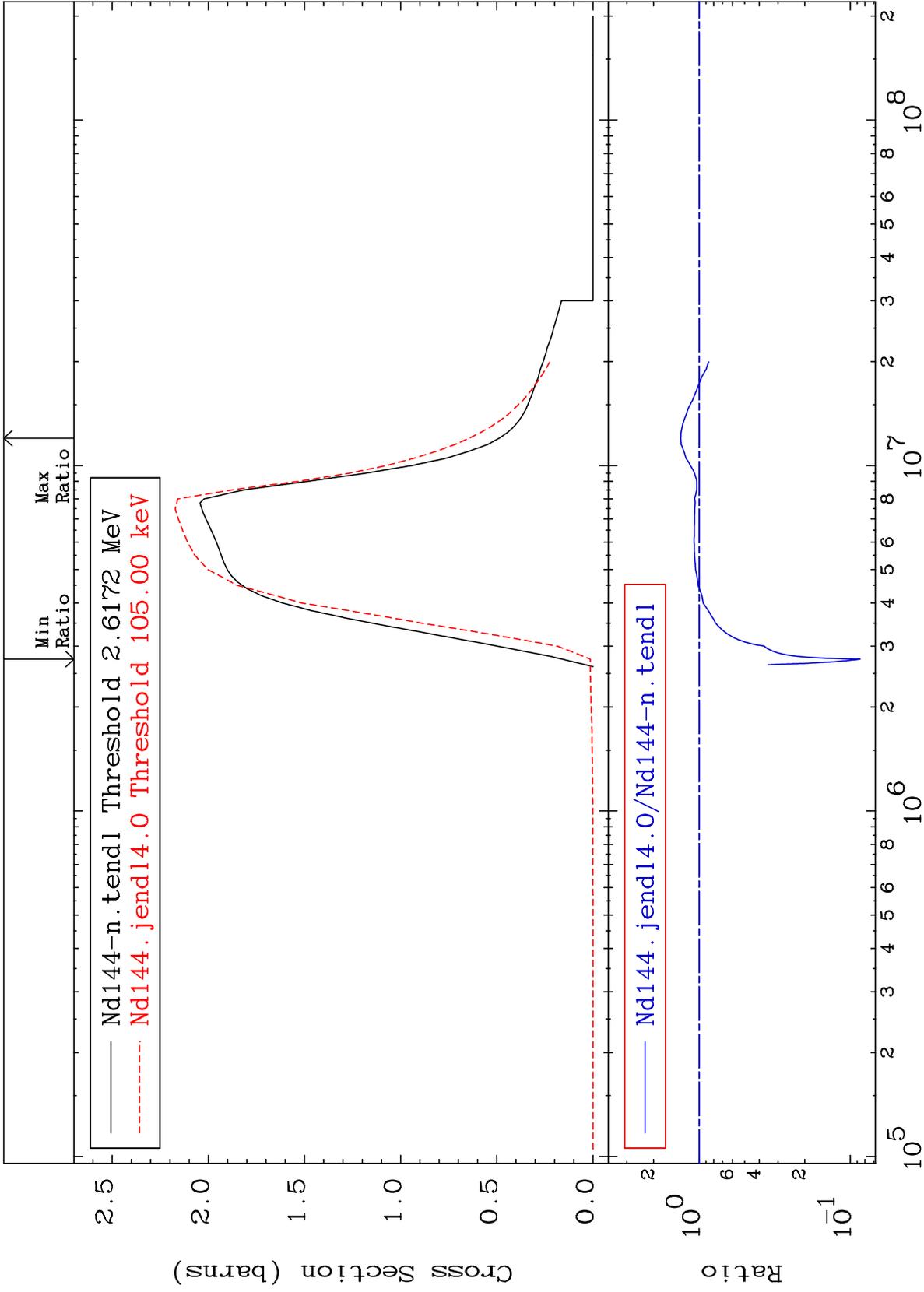
60-Nd-144

MAT 6031

2.599 MeV (n,n') Level
Cross Section

60-Nd-144
-89.06 To 302.9 %

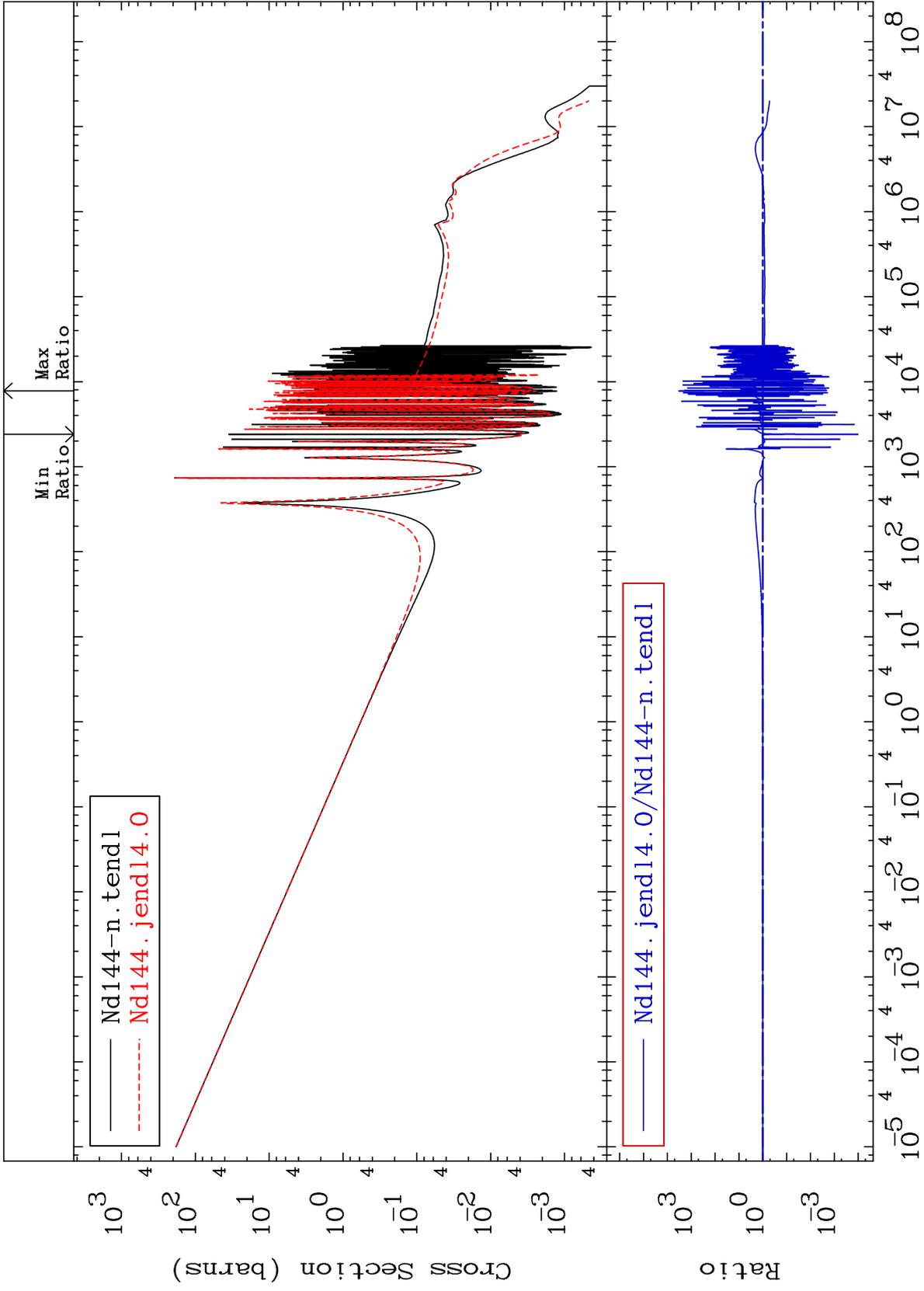




MAT 6031

(n, γ)
Cross Section

60-Nd-144
-99.99 To 9999. %



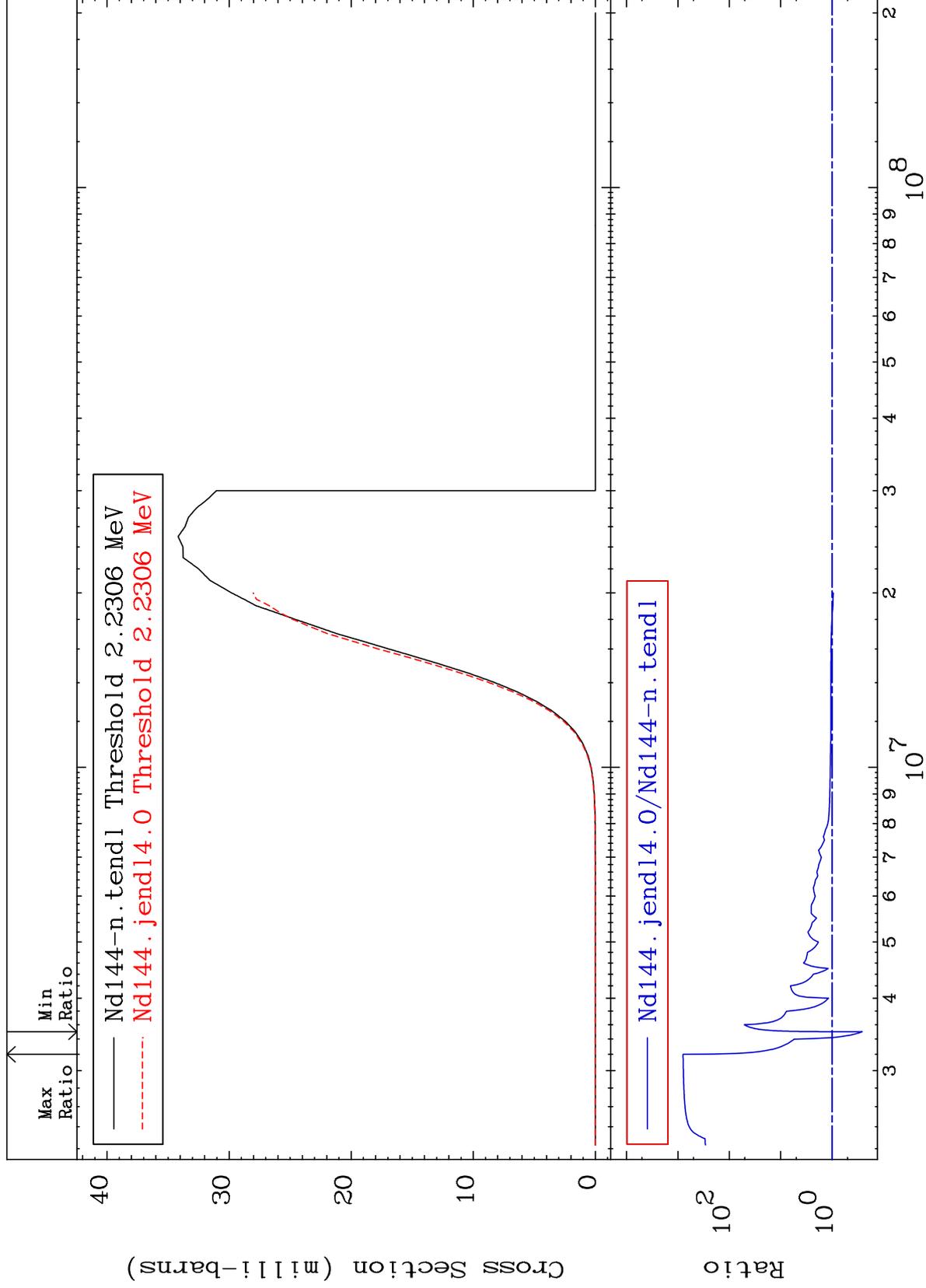
MAT 6031

(n,p)

60-Nd-144

Cross Section

-74.02 To 9999. %



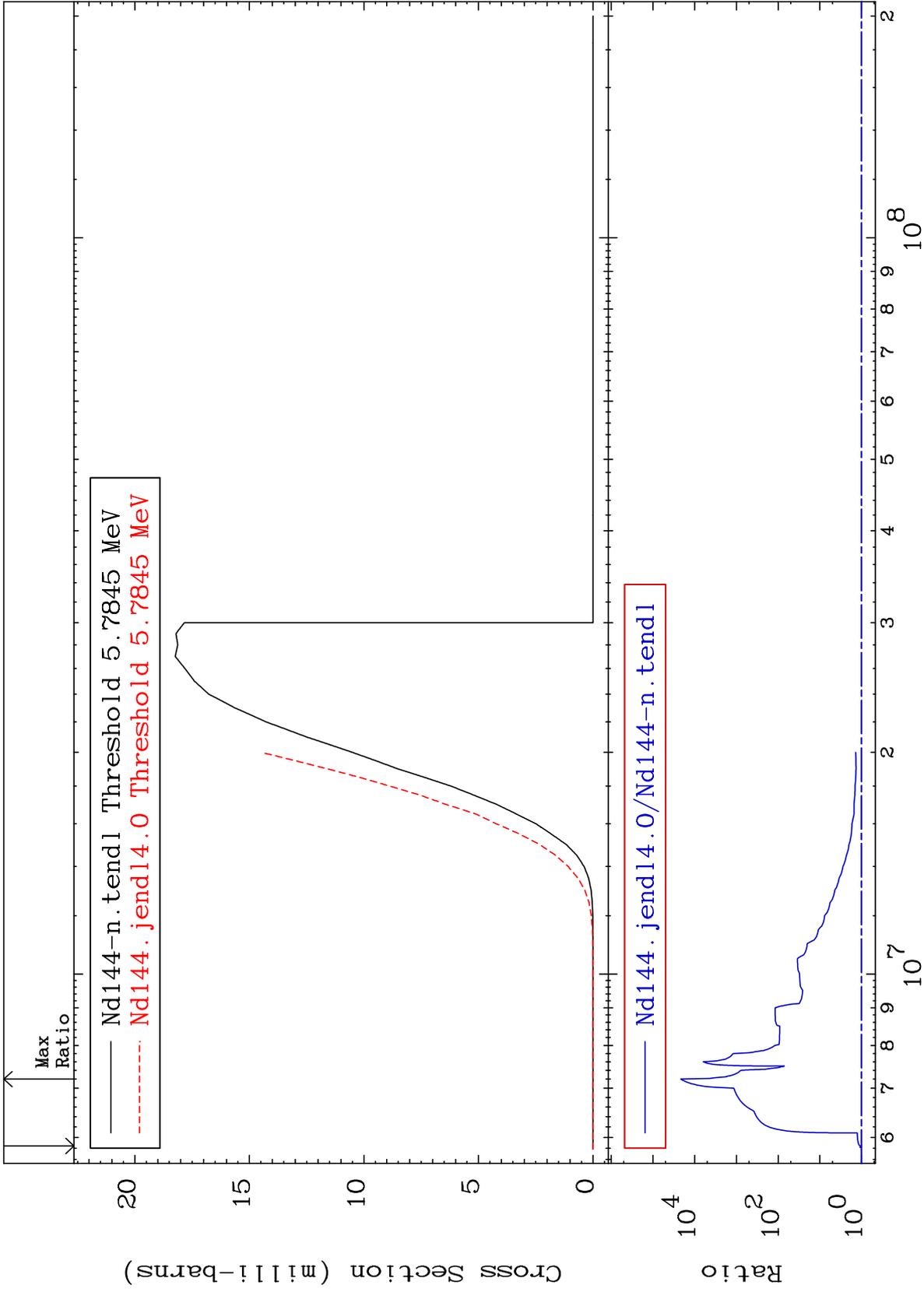
MAT 6031

(n, d)

60-Nd-144

Cross Section

8.773 To 9999. %



45

Incident Energy (eV)

60-Nd-144

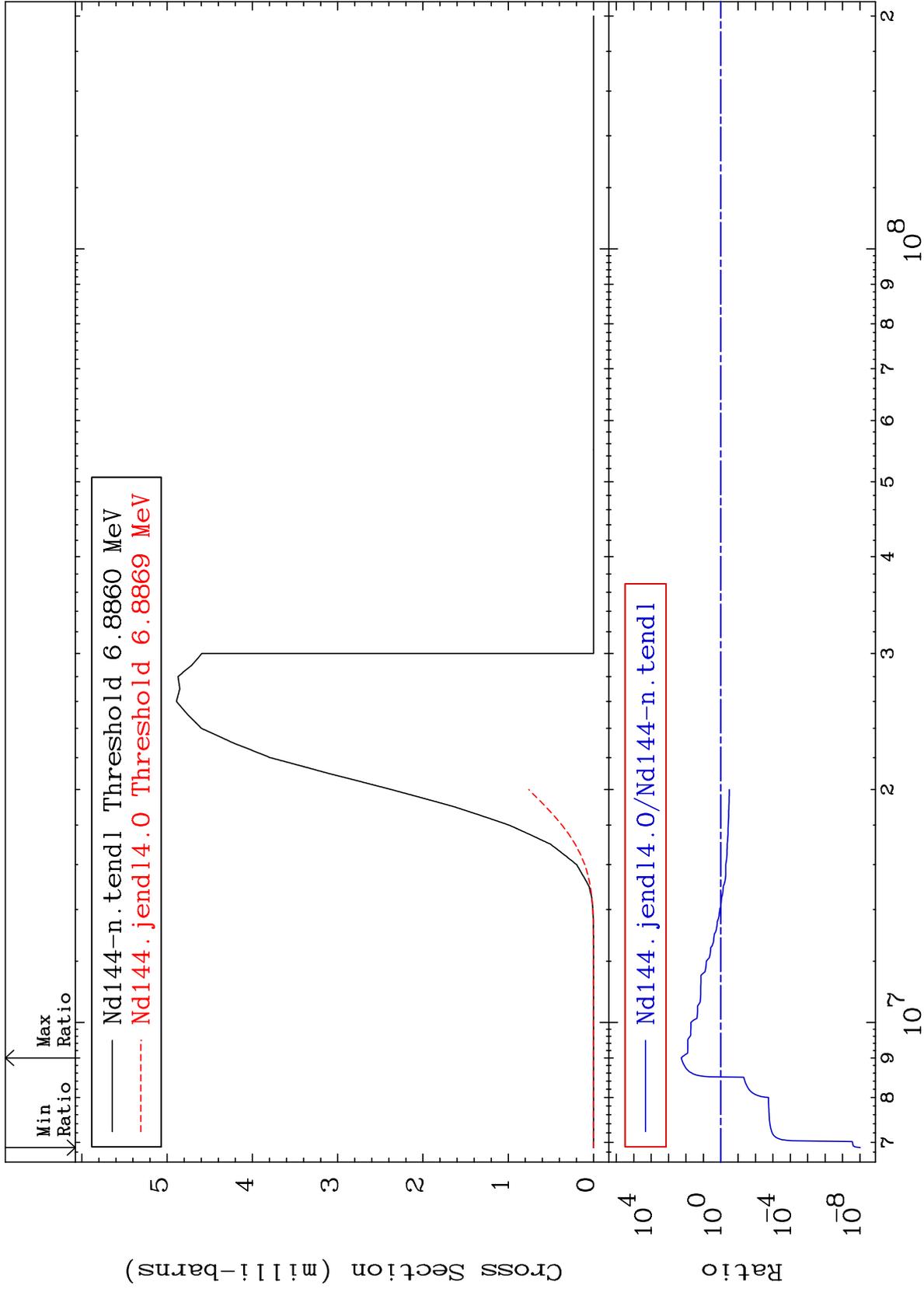
MAT 6031

(n, t)

60-Nd-144

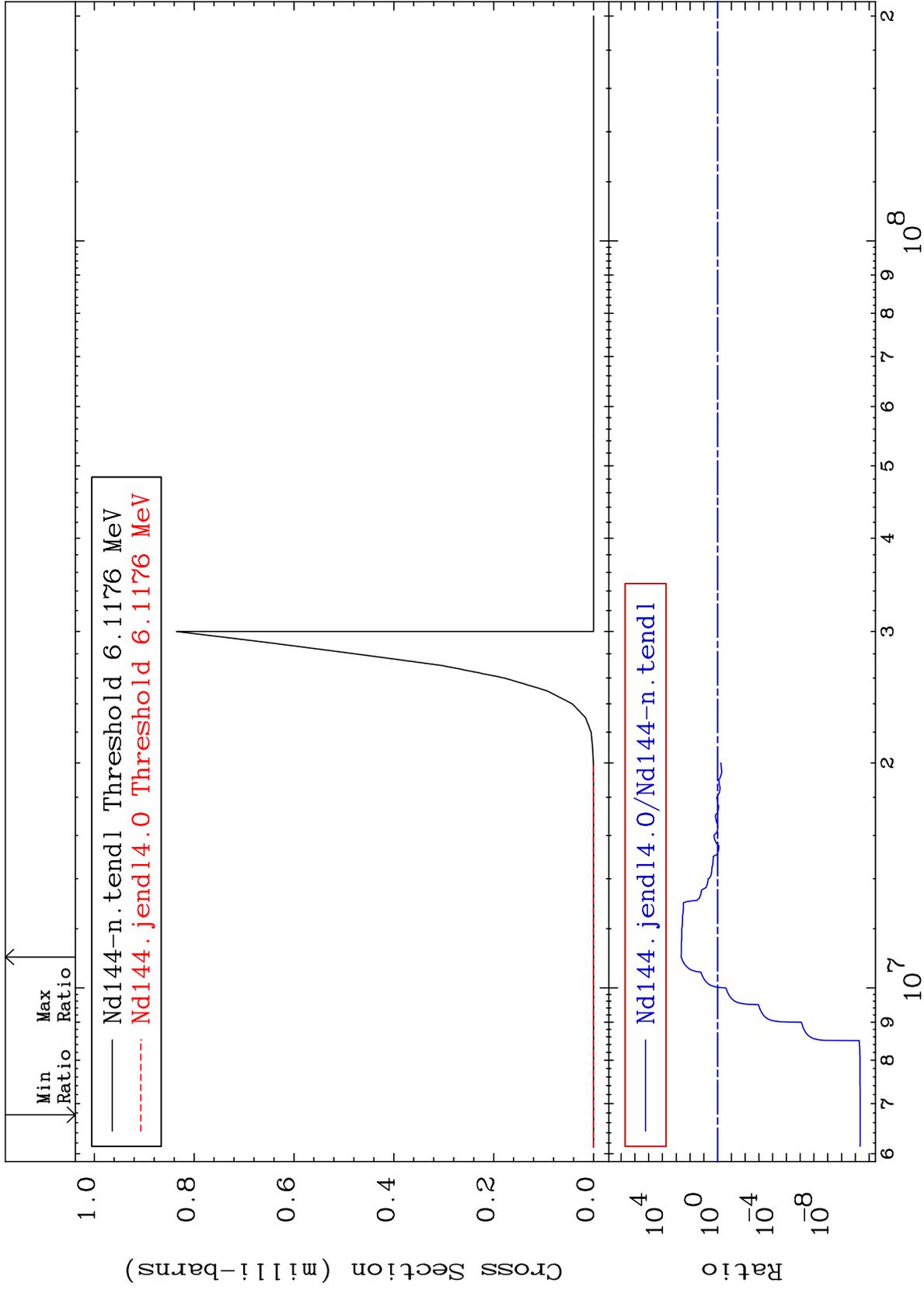
Cross Section

-100.0 To 9999. %



Cross Section

-100.0 To 9999. %



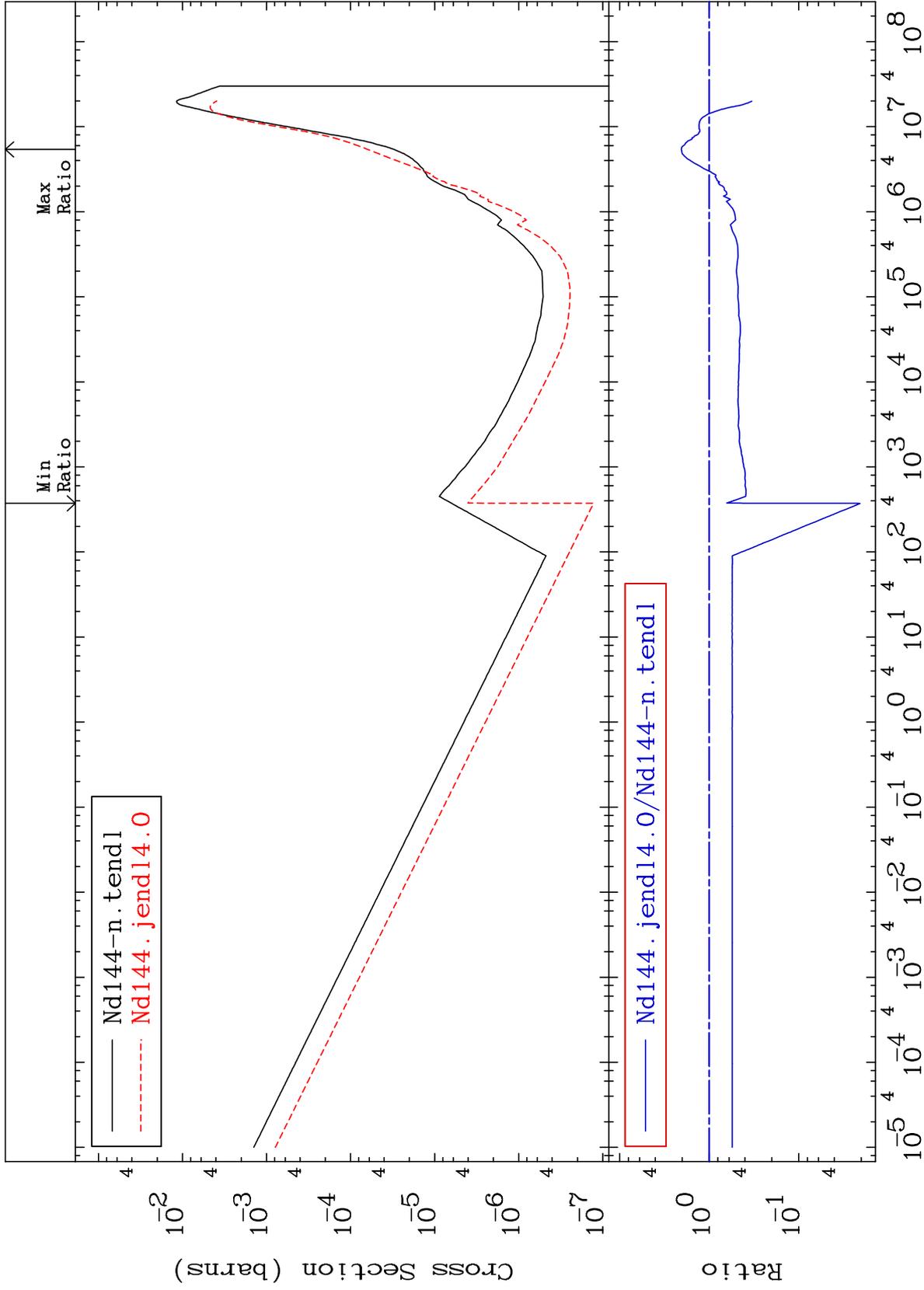
MAT 6031

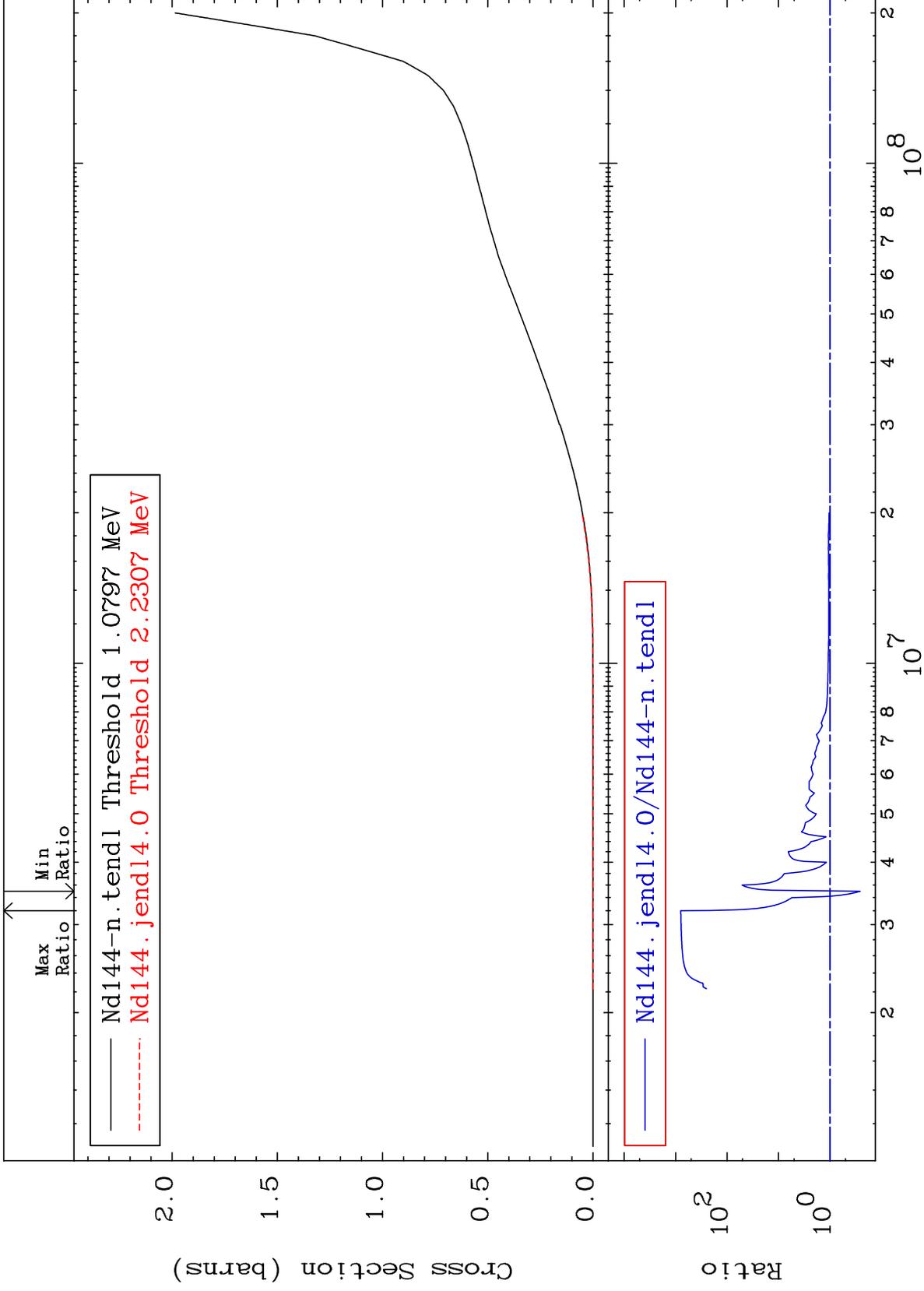
(n, α)

60-Nd-144

Cross Section

-97.95 To 105.7 %

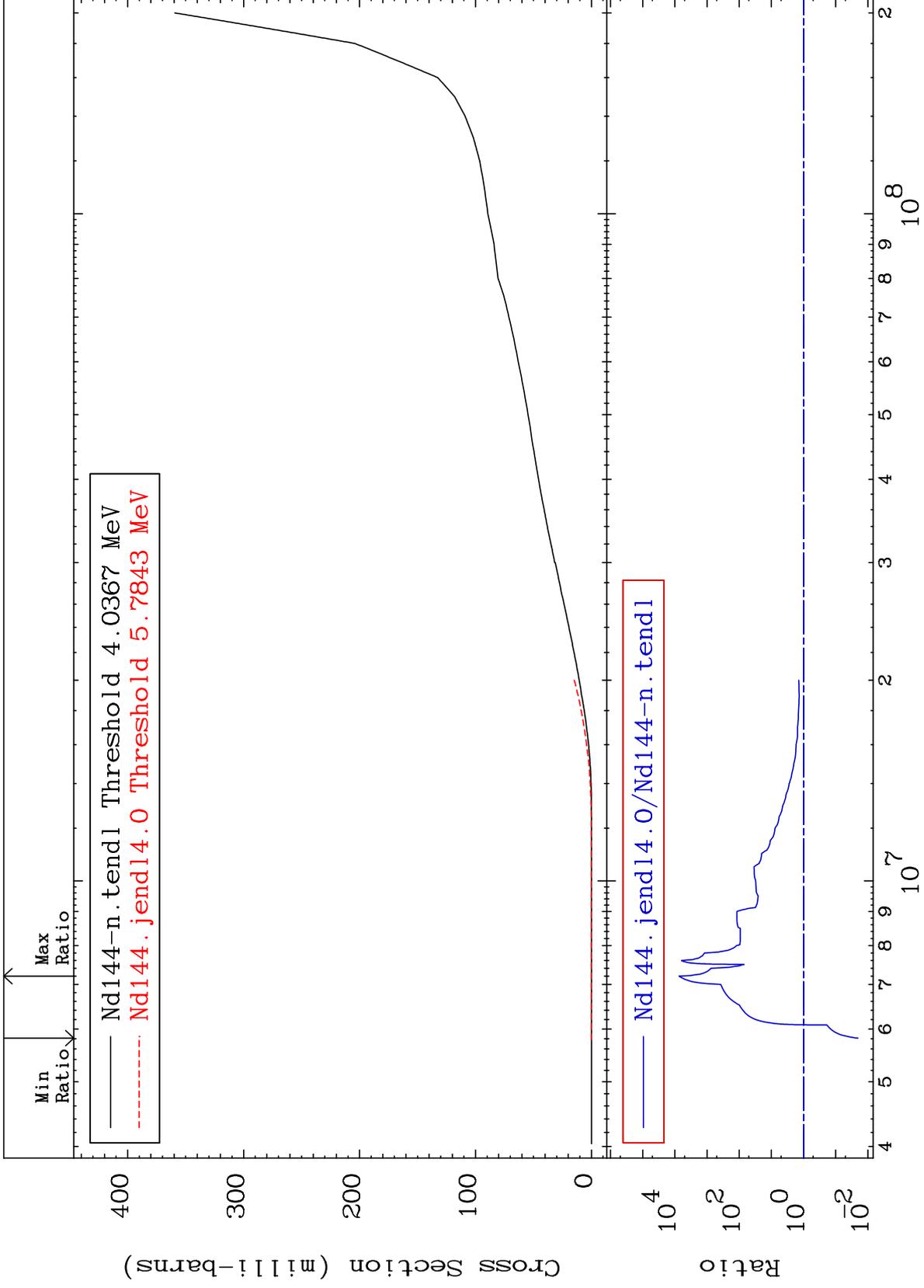




MAT 6031

Deuterium Production
Cross Section

60-Nd-144
-97.97 To 9999. %



50

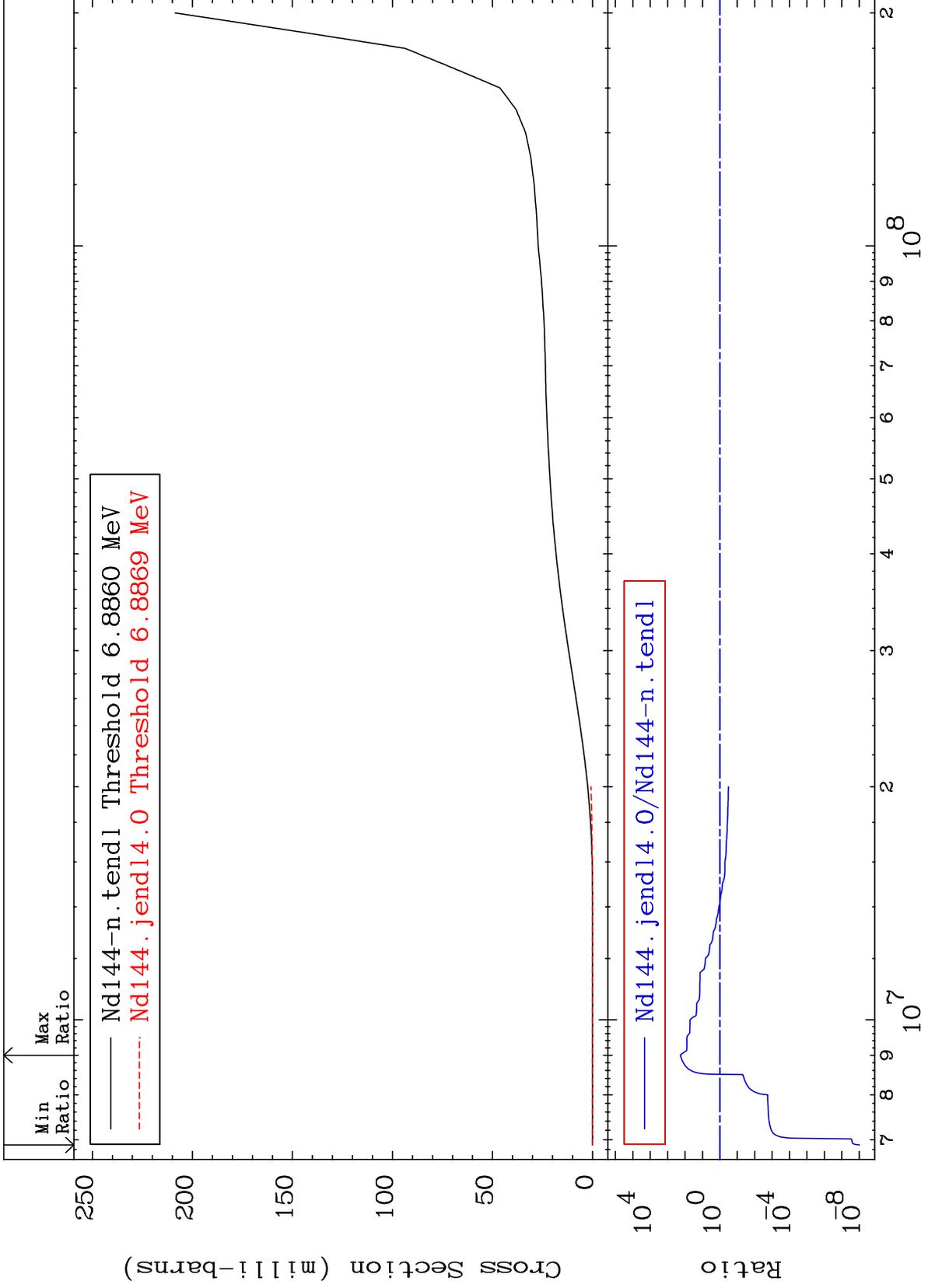
Incident Energy (eV)

60-Nd-144

MAT 6031

Tritium Production
Cross Section

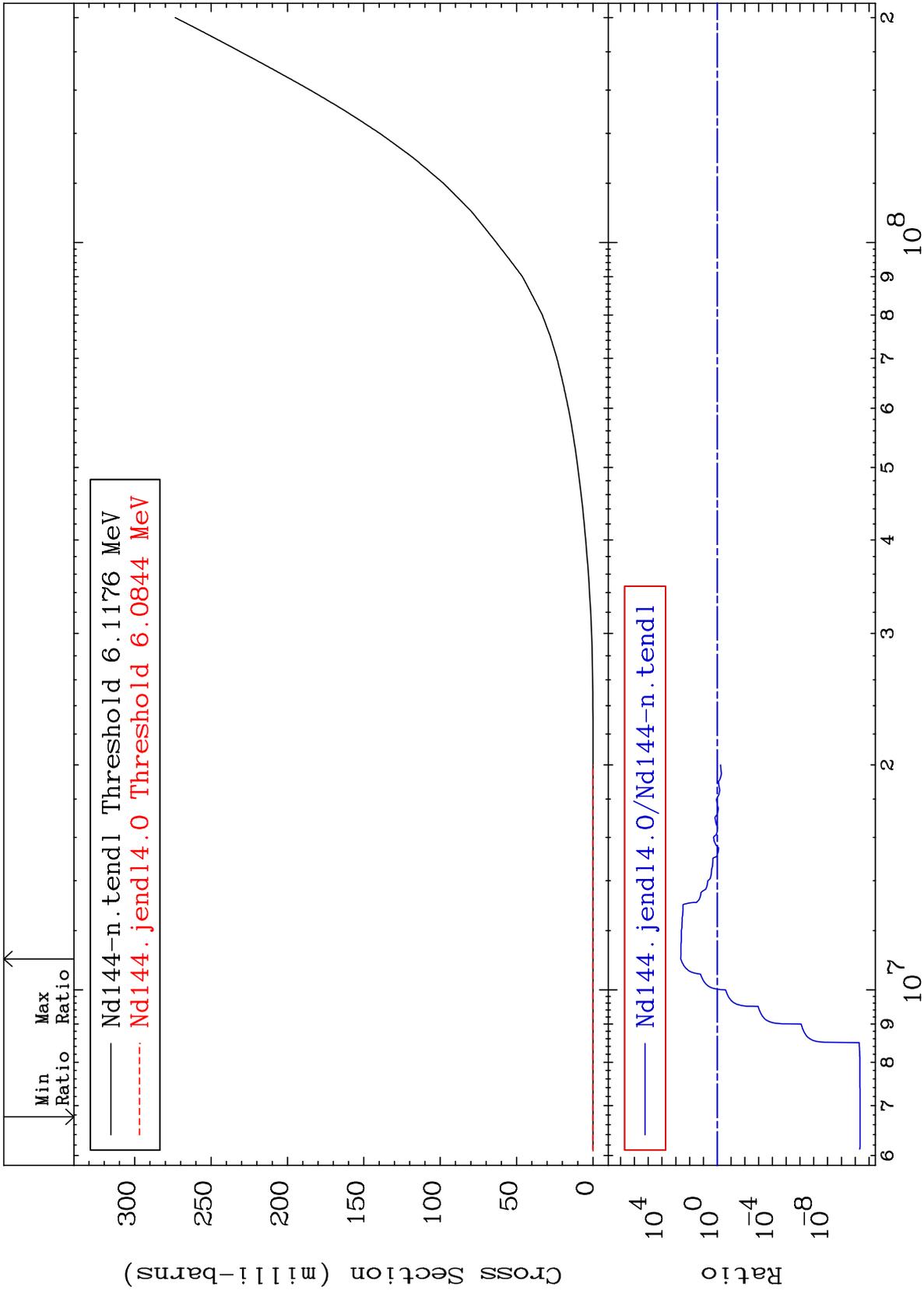
60-Nd-144
-100.0 To 9999. %



MAT 6031

He-3 Production
Cross Section

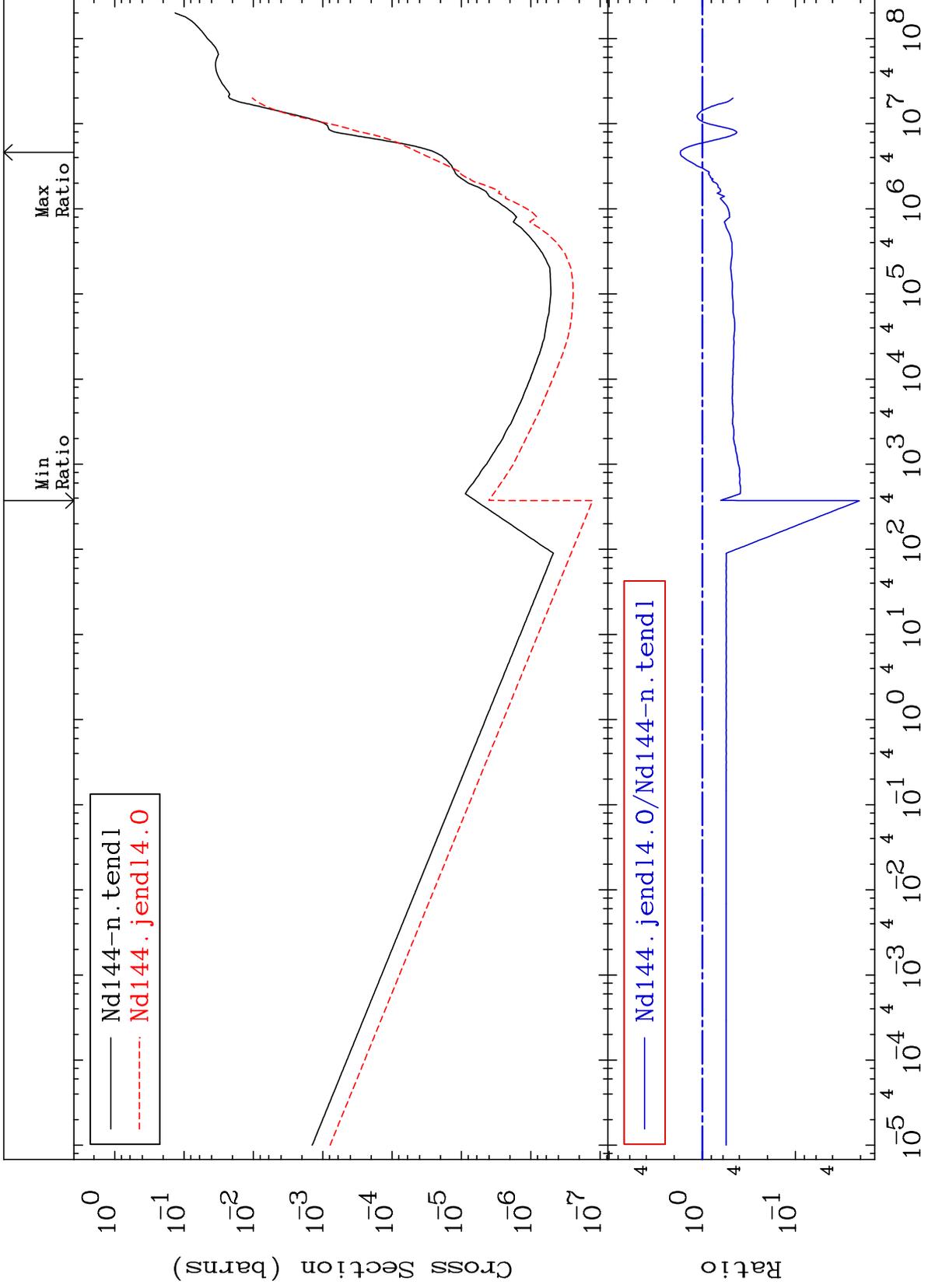
60-Nd-144
-100.0 To 9999. %



MAT 6031

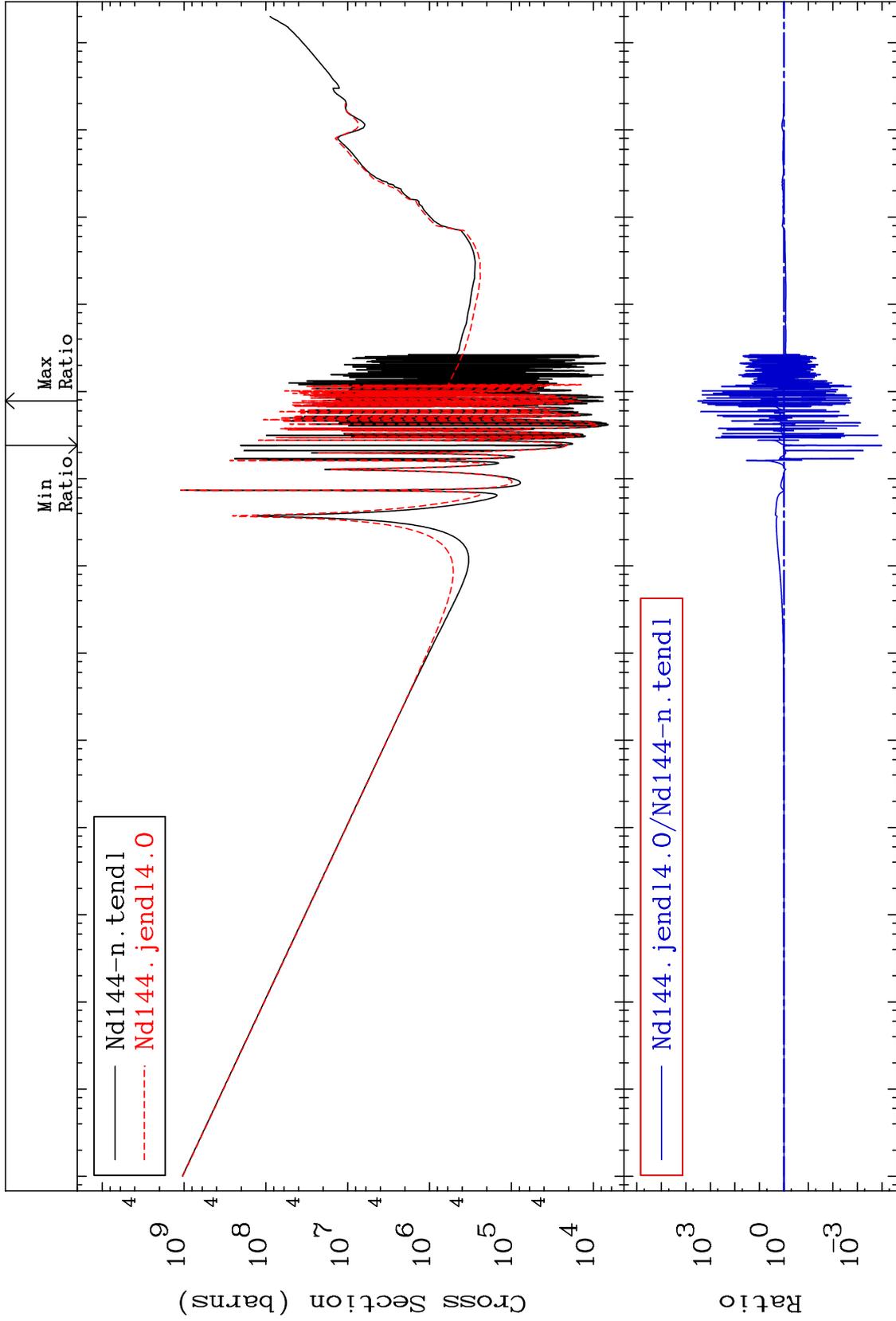
He-4 Production
Cross Section

60-Nd-144
-97.95 To 72.26 %



Cross Section

-99.99 To 9999. %



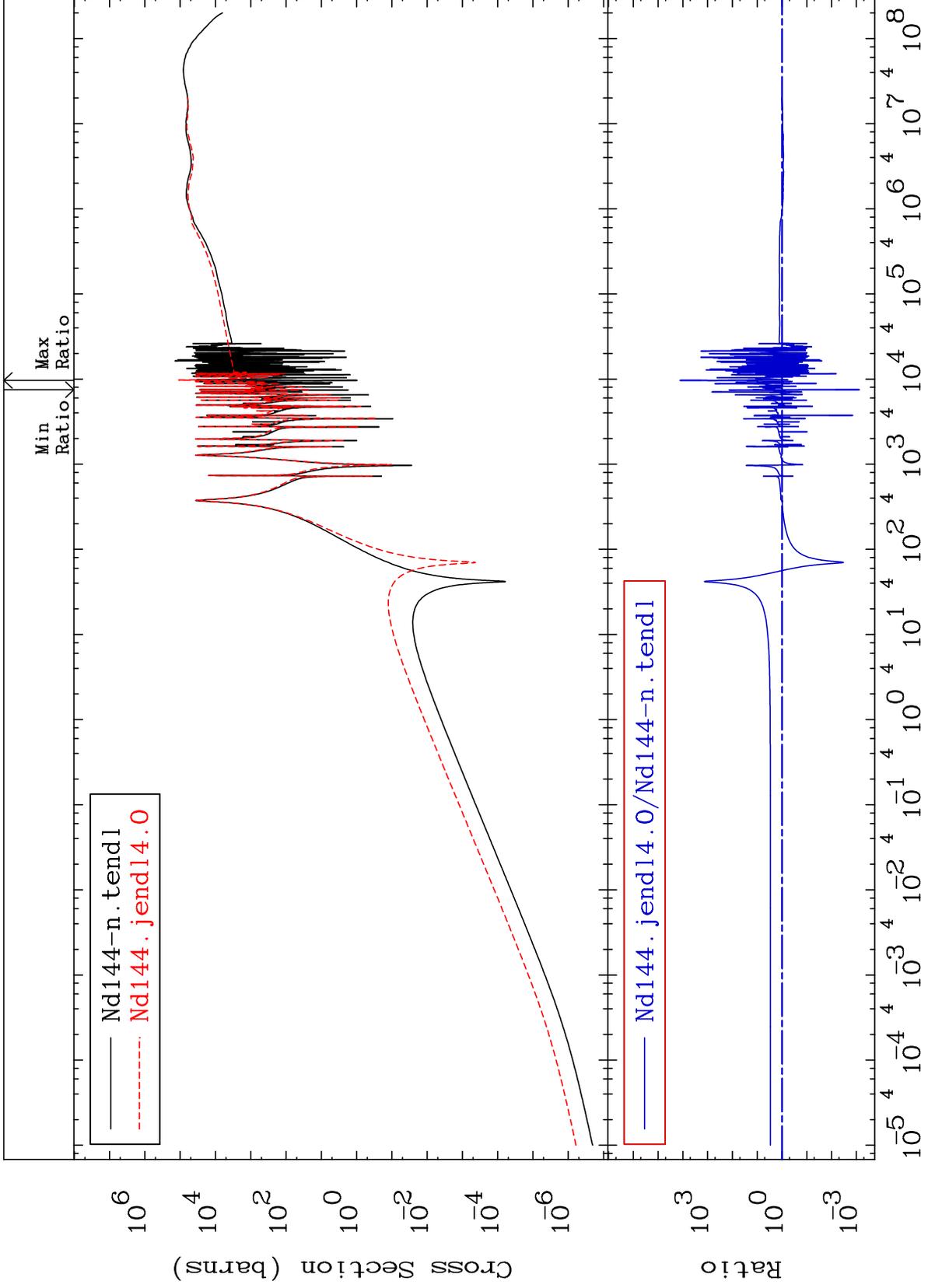
Nd144-n.tendl
Nd144.jendl4.0

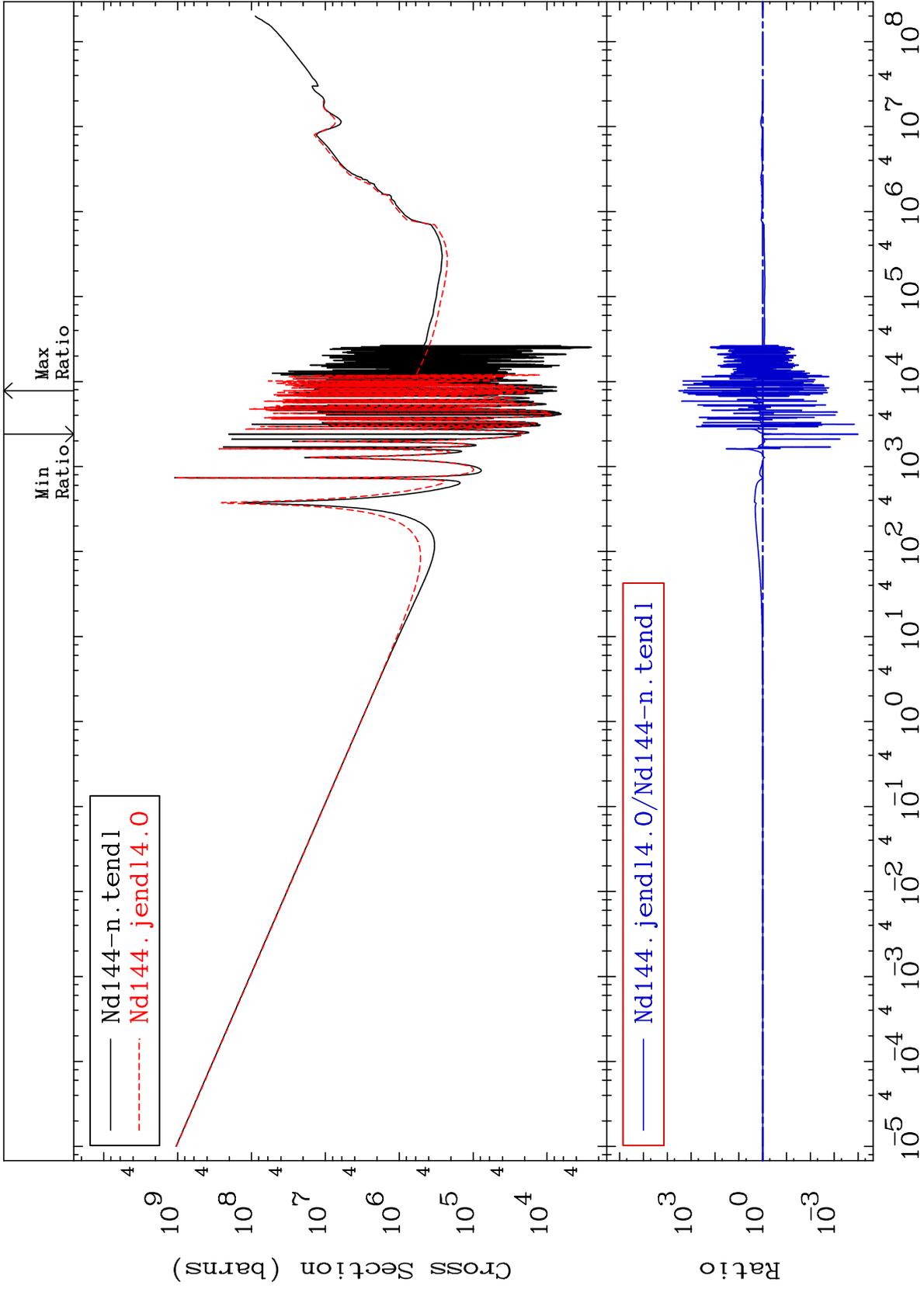
Nd144.jendl4.0/Nd144-n.tendl

MAT 6031

Kerma elastic
Cross Section

60-Nd-144
-99.93 To 9999. %

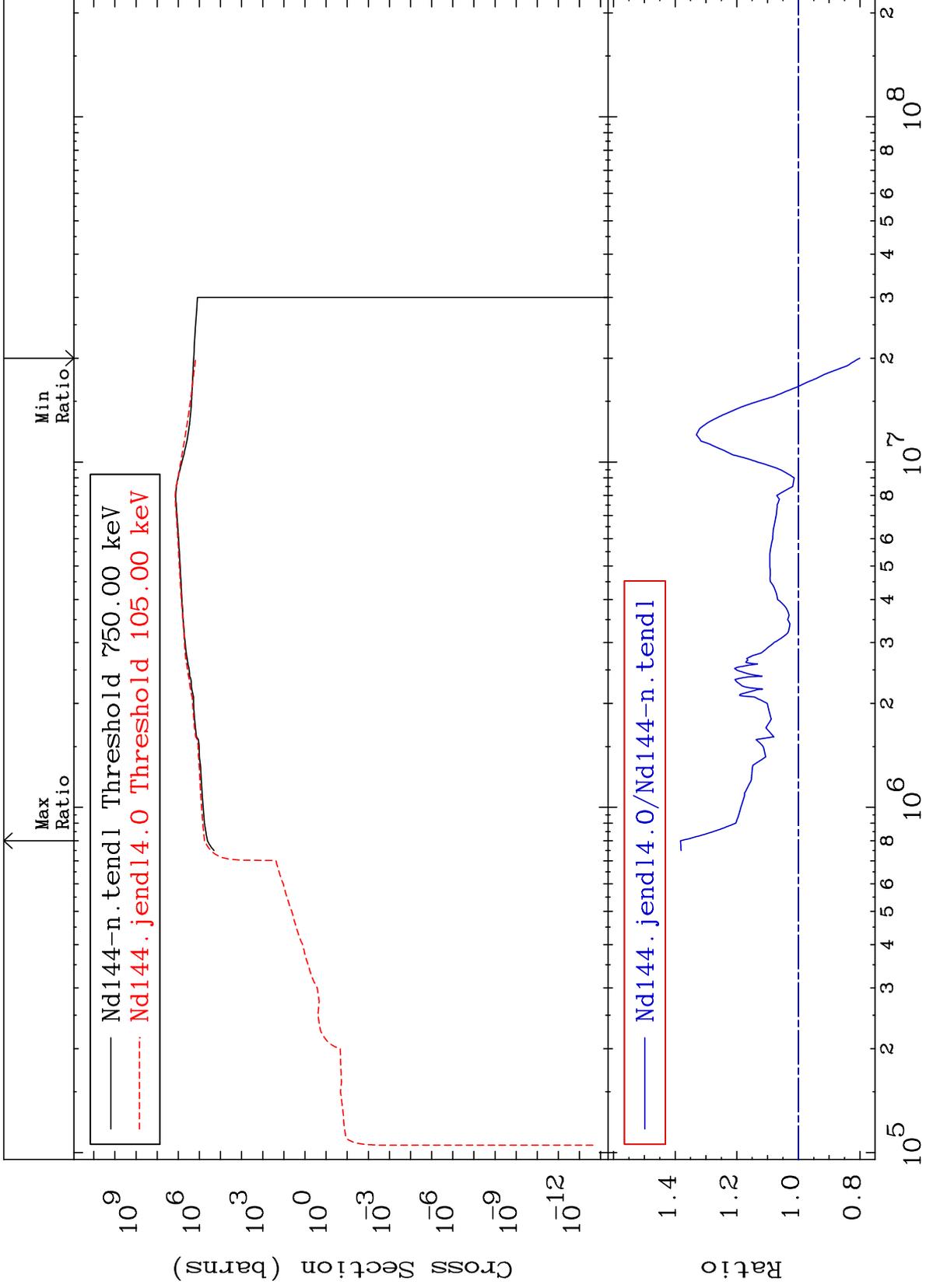




MAT 6031

Kerma inelastic (mt51-91)
Cross Section

60-Nd-144
-19.94 To 38.26 %



57

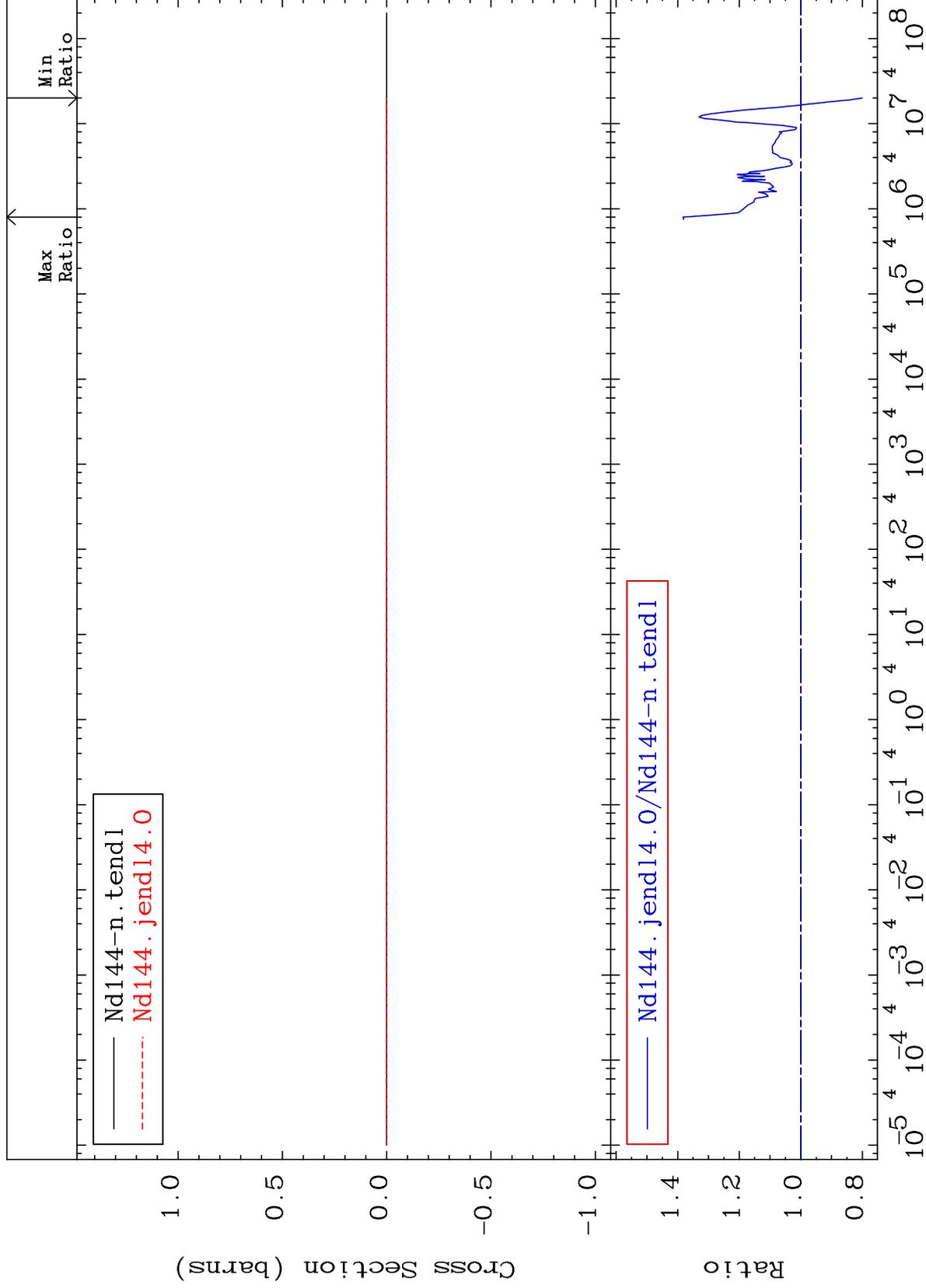
Incident Energy (eV)

60-Nd-144

MAT 6031

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

60-Nd-144
-19.94 To 38.26 %



58

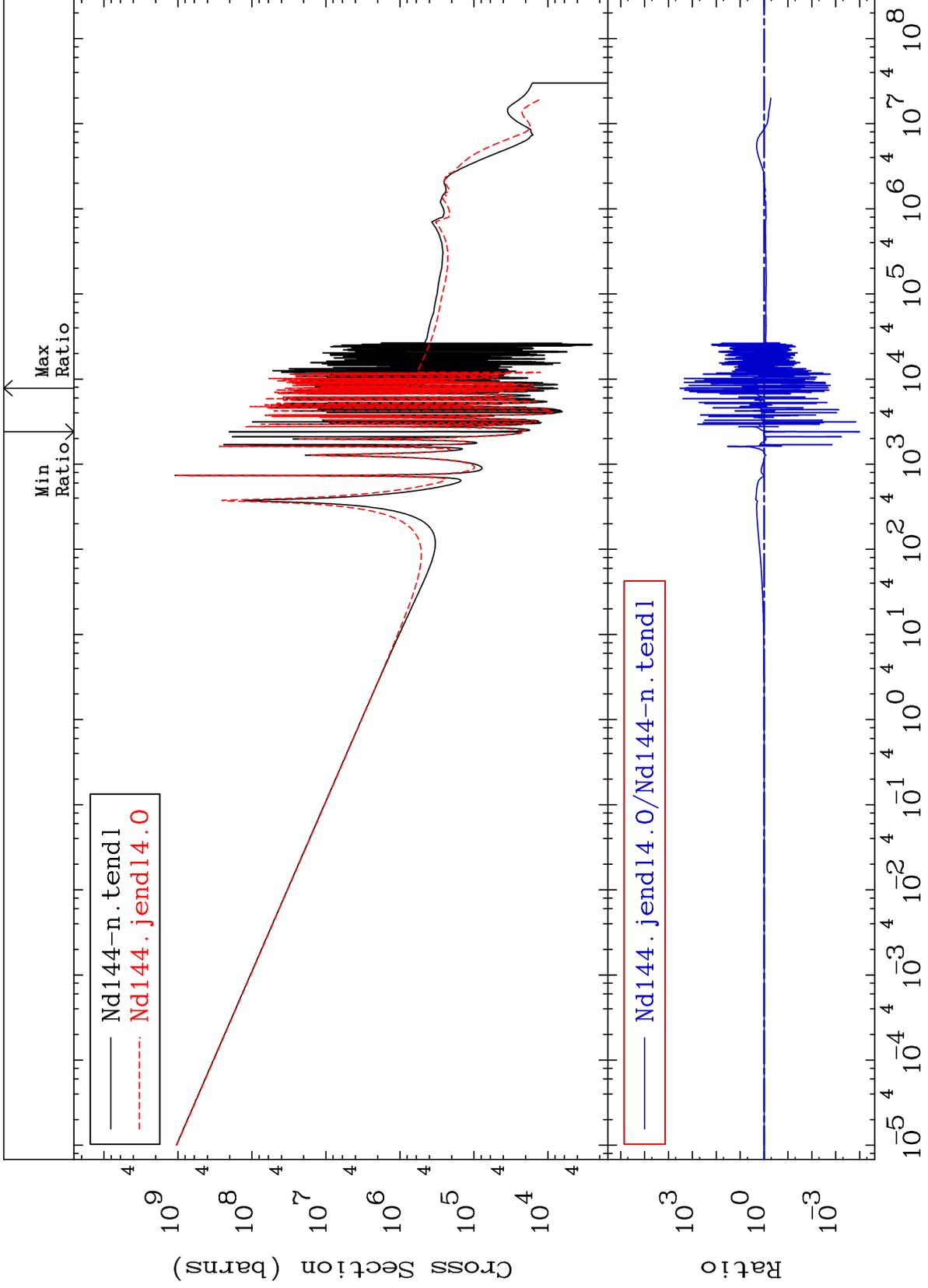
Incident Energy (eV)

60-Nd-144

MAT 6031

Kerma capture (mt102)
Cross Section

60-Nd-144
-99.99 To 9999. %



59

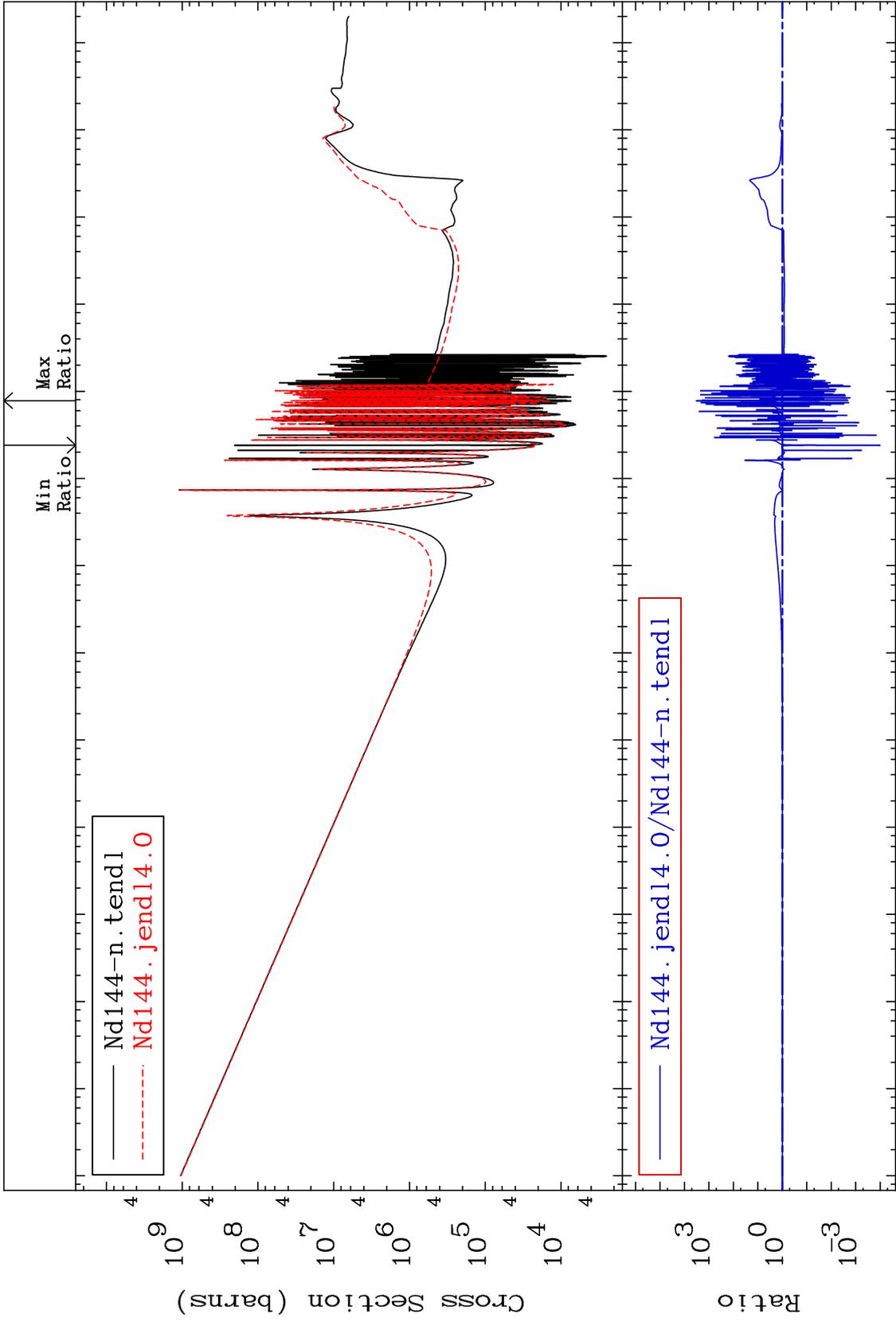
Incident Energy (eV)

60-Nd-144

MAT 6031

Total photon (eV-barns)
Cross Section

60-Nd-144
-99.99 To 9999. %



60

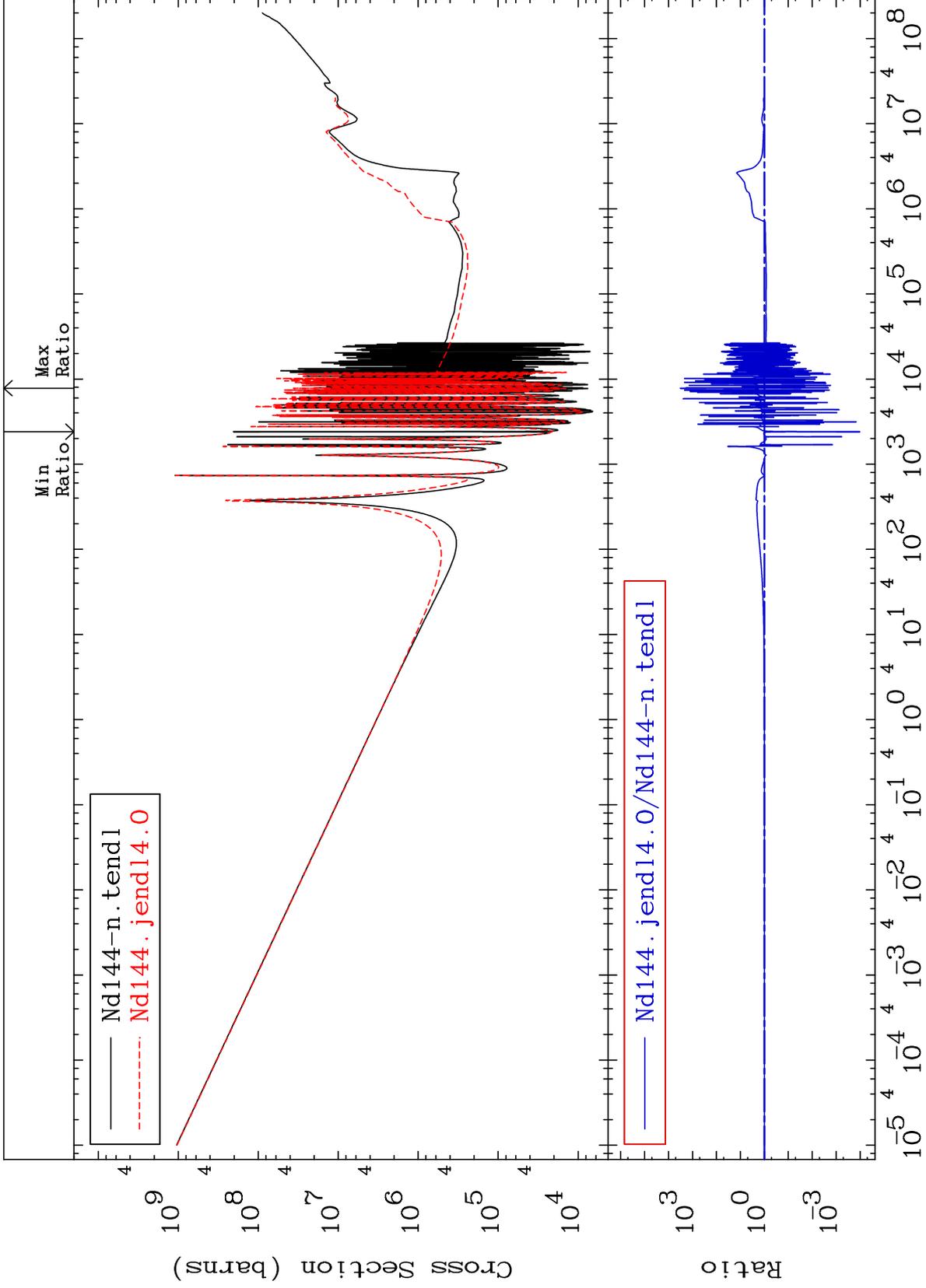
Incident Energy (eV)

60-Nd-144

MAT 6031

Total kinematic kerma (high limit)
Cross Section

60-Nd-144
-99.99 To 9999. %



61

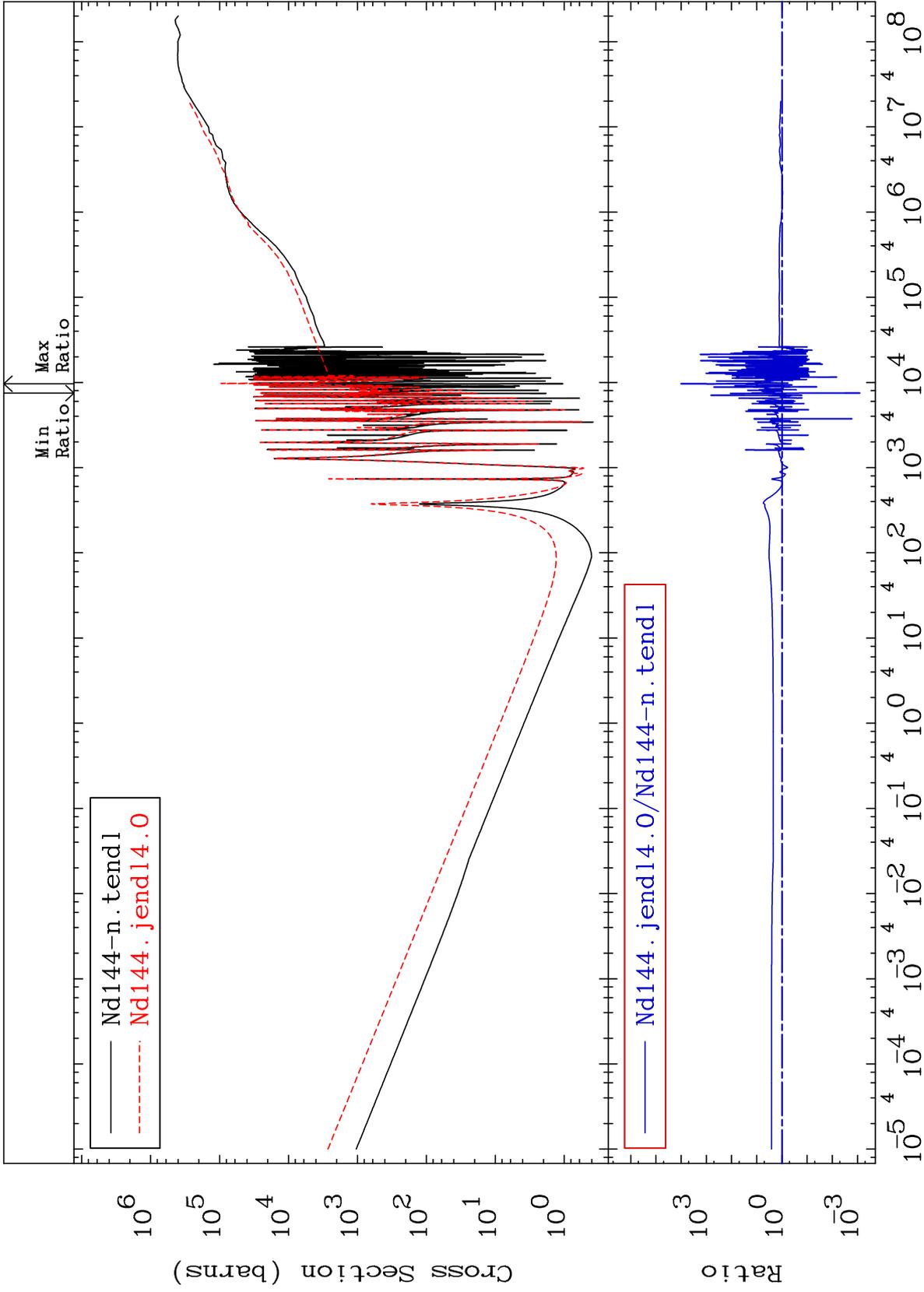
Incident Energy (eV)

60-Nd-144

MAT 6031

Dpa total (eV-barns)
Cross Section

60-Nd-144
-99.92 To 9999. %



62

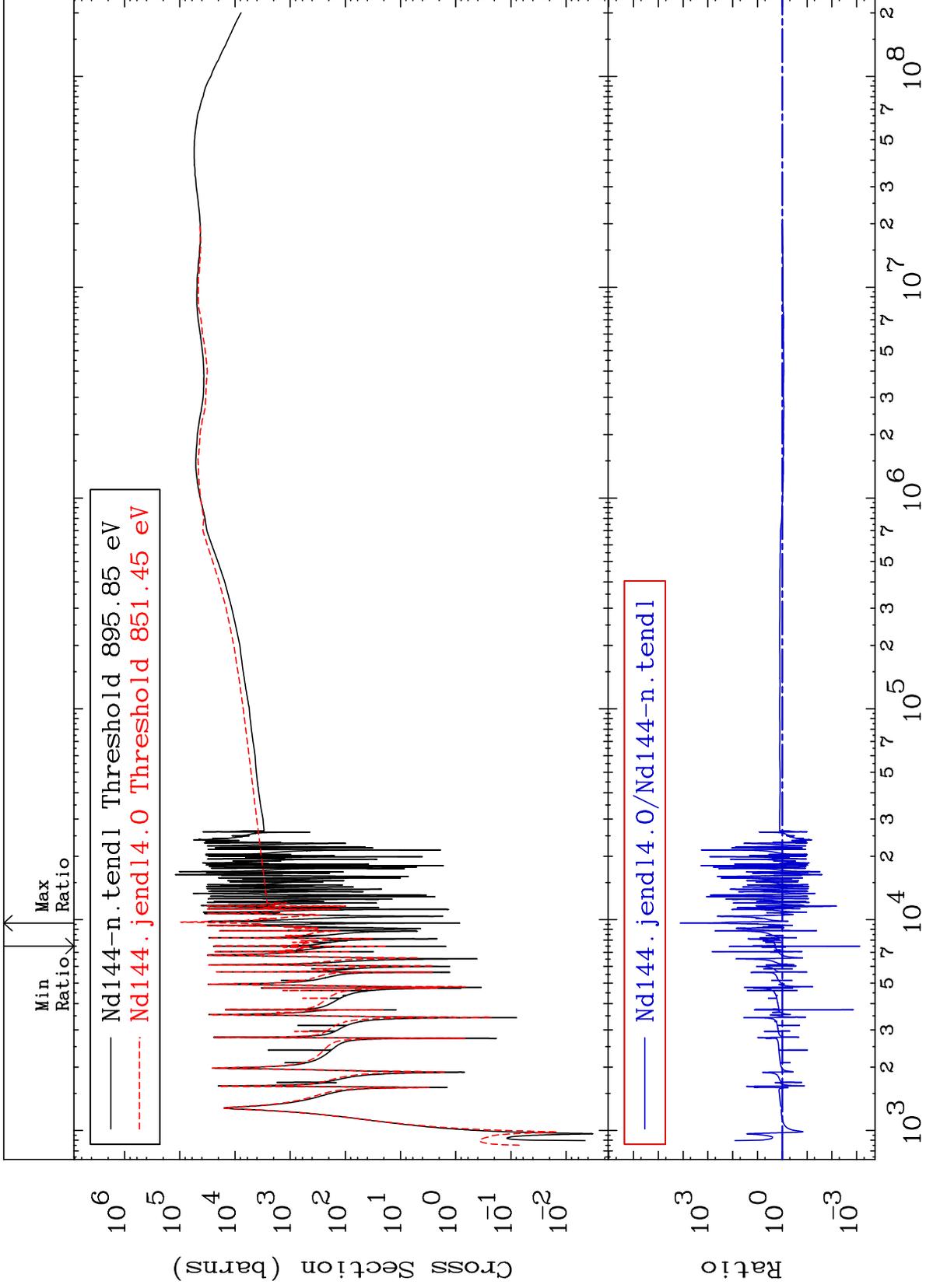
Incident Energy (eV)

60-Nd-144

MAT 6031

Dpa elastic (mt2)
Cross Section

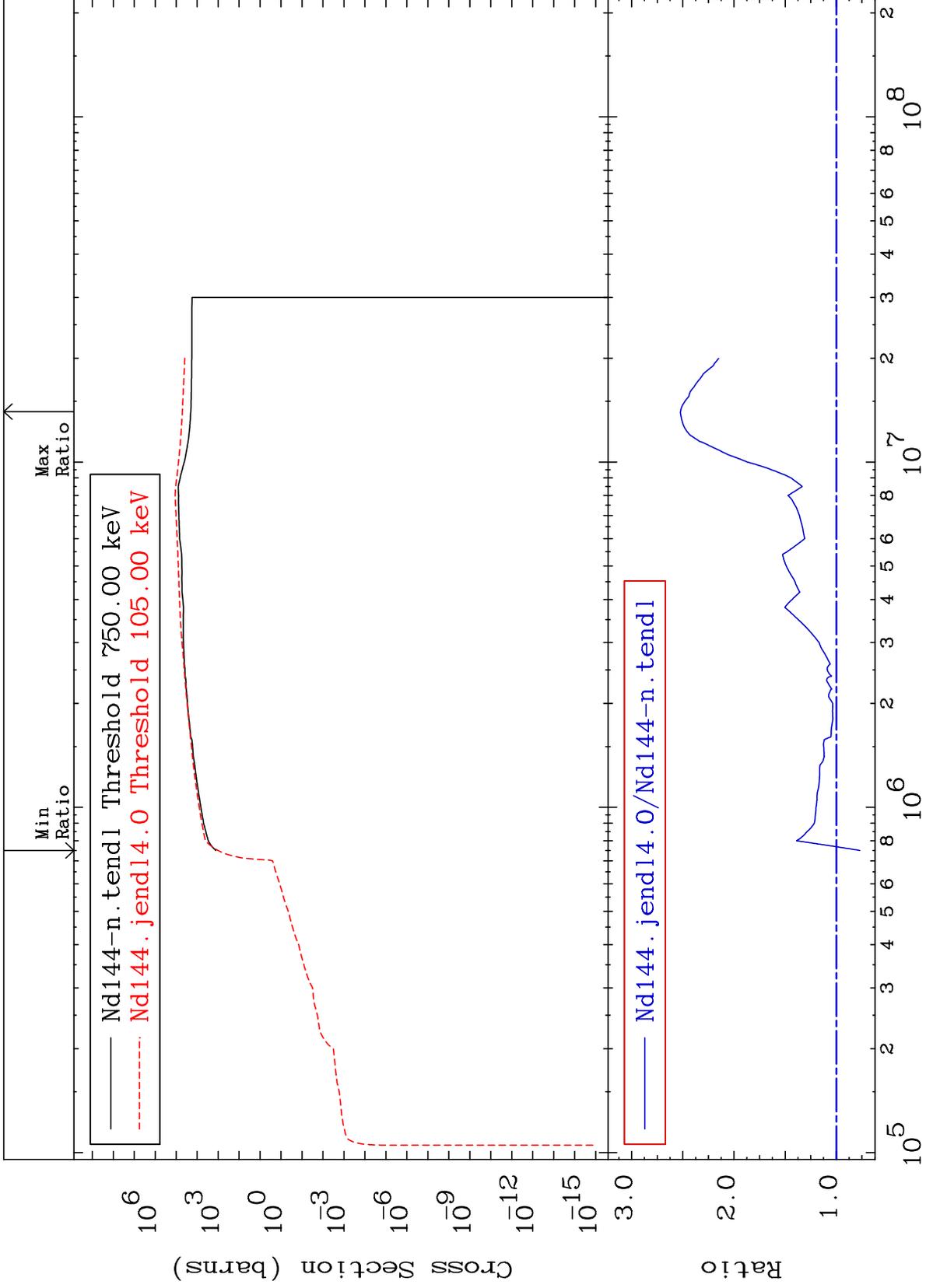
60-Nd-144
-99.92 To 9999. %



63

Incident Energy (eV)

60-Nd-144



MAT 6031

Dpa disappearance (mt102 -120)
Cross Section

60-Nd-144
-99.90 To 9999. %

