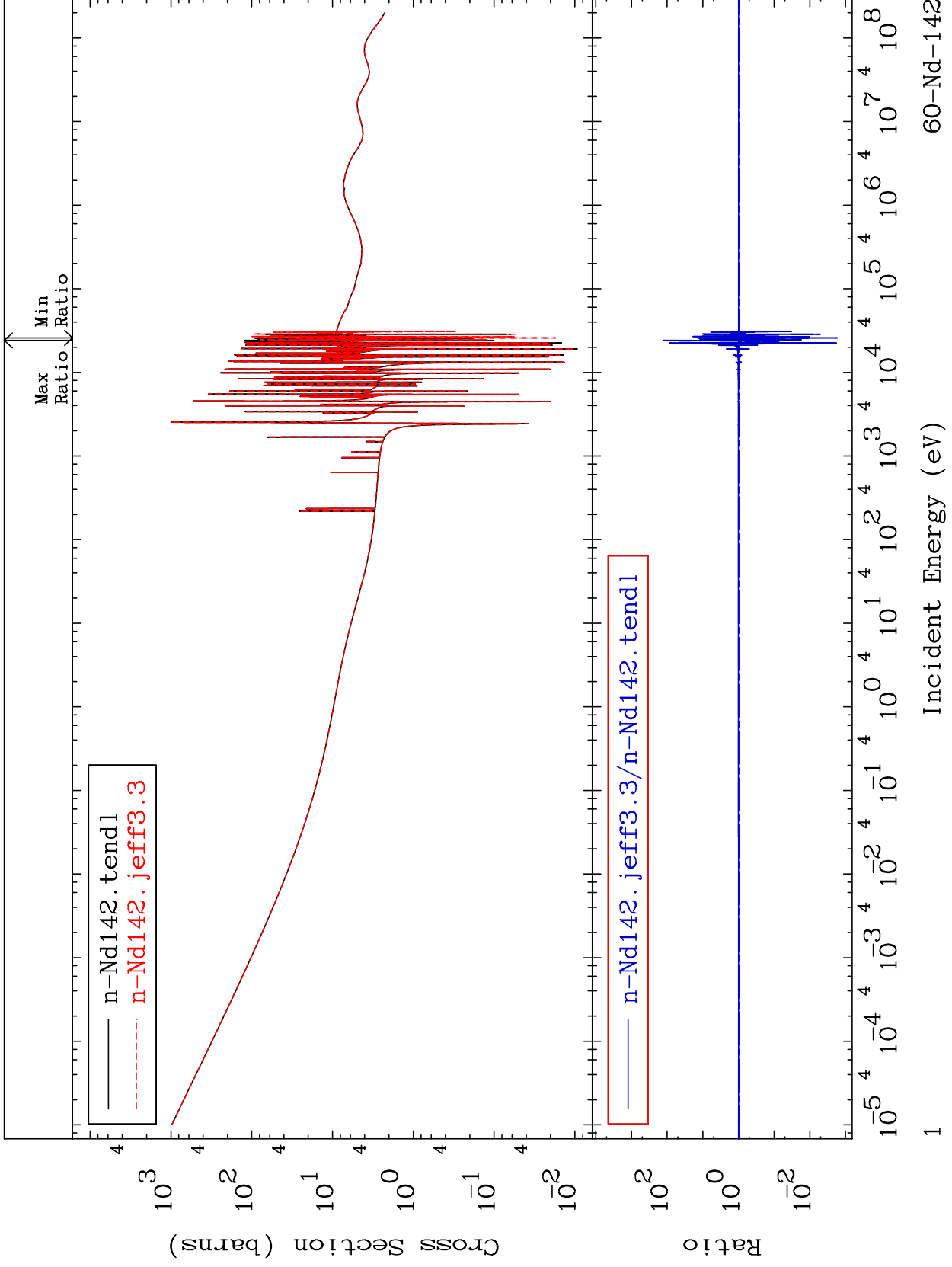


MAT 6025

Total
Cross Section

60-Nd-142
-99.83 To 9999. %



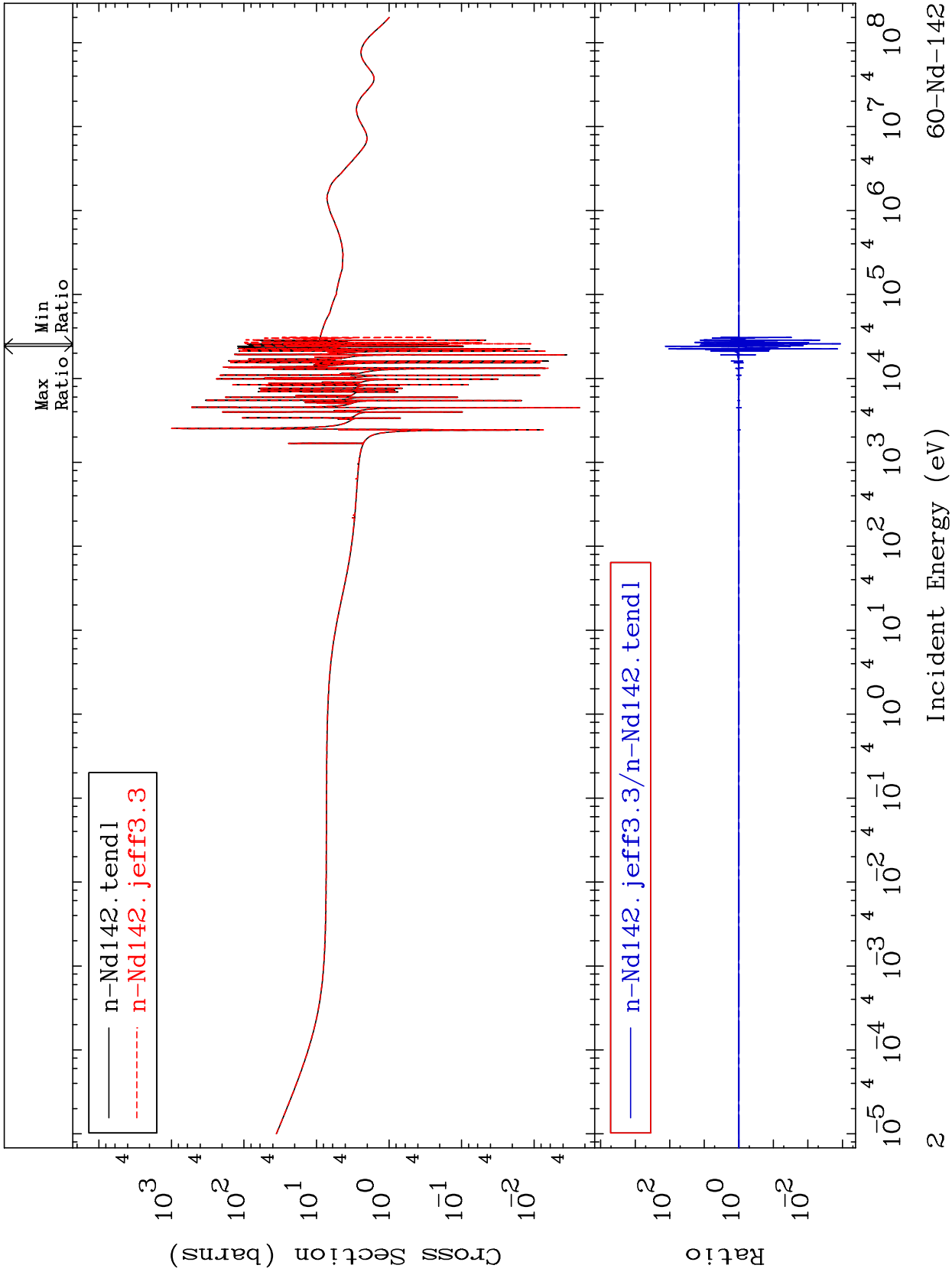
60-Nd-142

Incident Energy (eV)

MAT 6025

Elastic
Cross Section

60-Nd-142
-99.89 To 9999. %



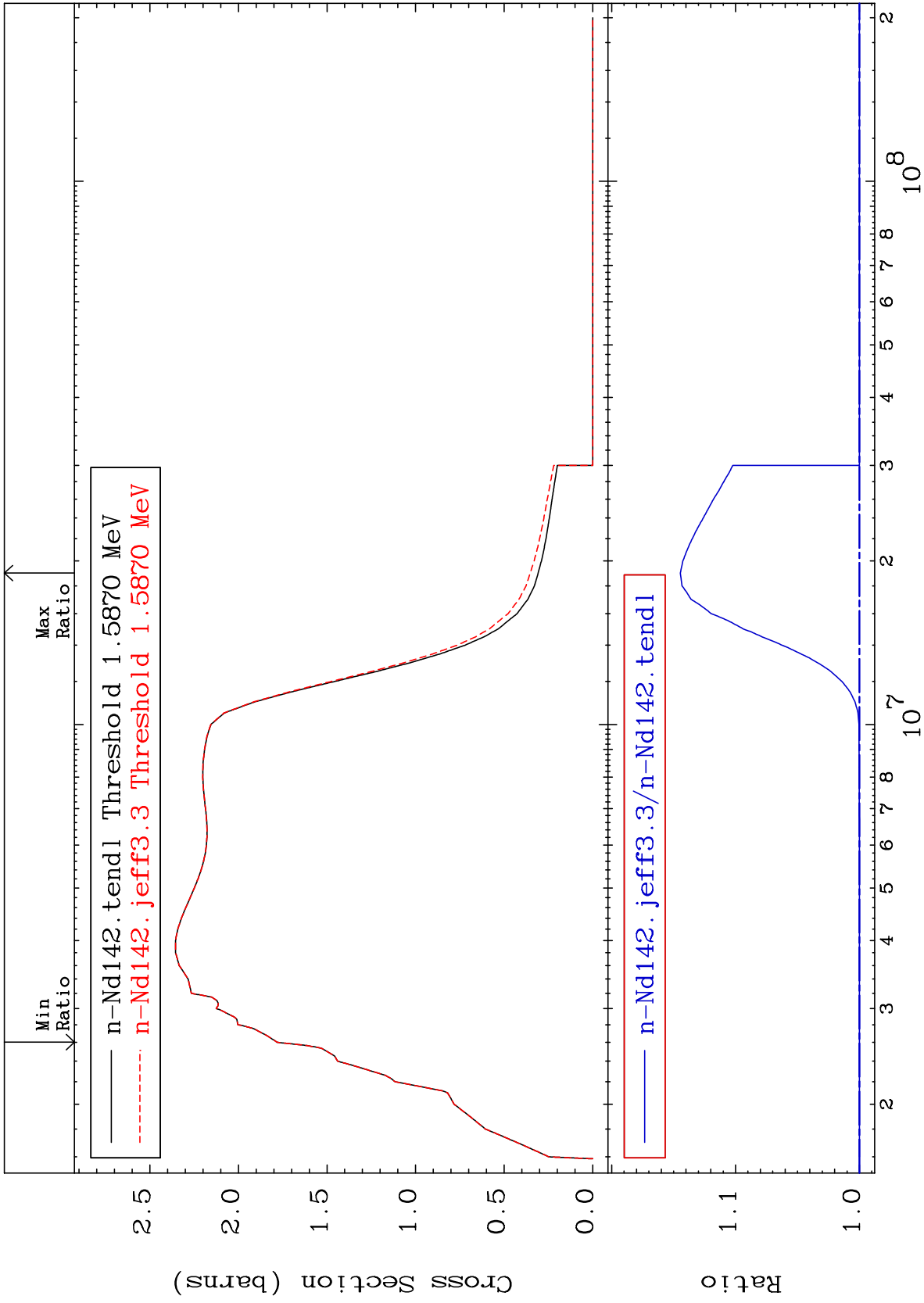
60-Nd-142

Incident Energy (eV)

2

MAT 6025

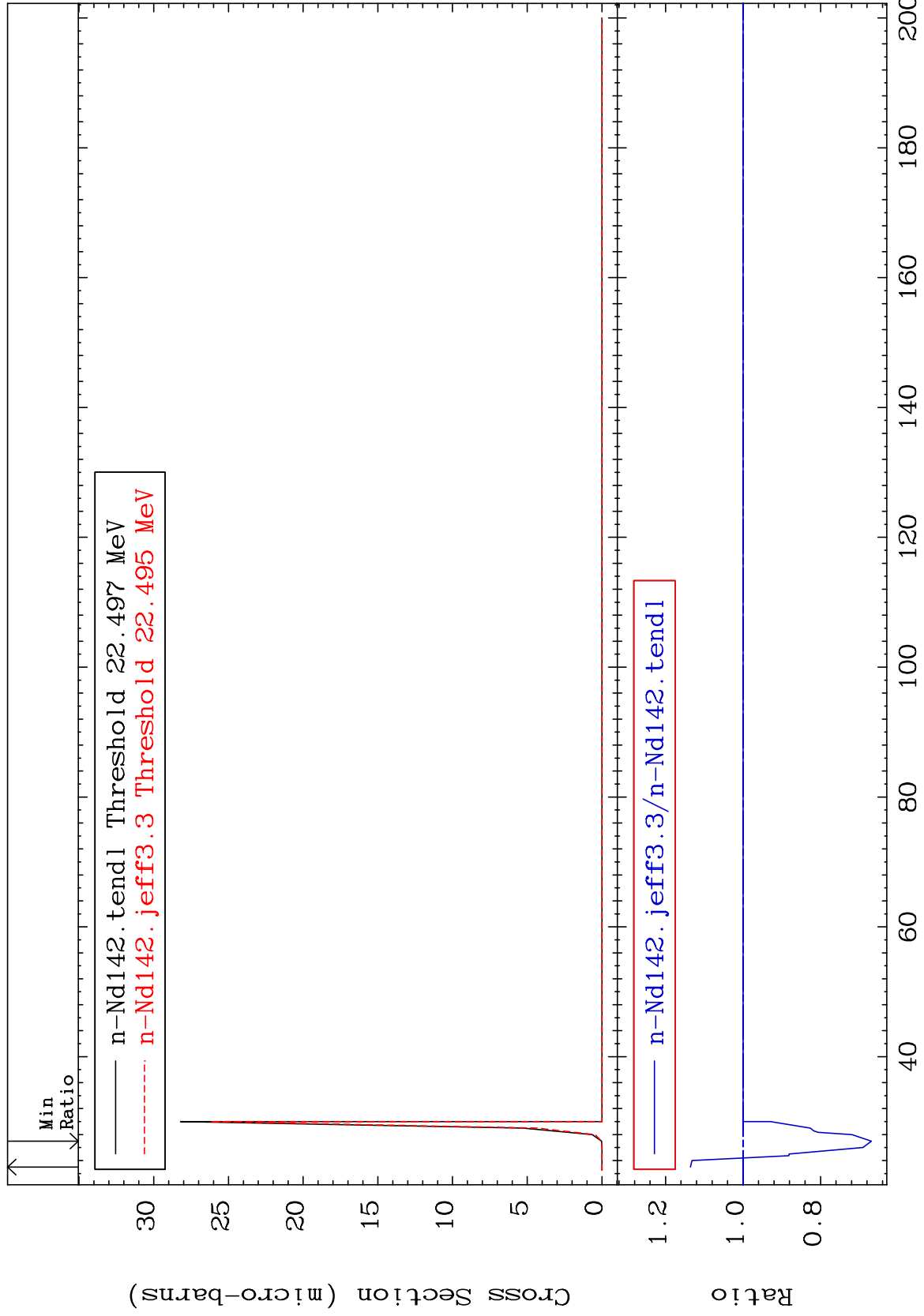
Inelastic Cross Section
60-Nd-142
0.000 To 14.46 %



MAT 6025

(n,2n) d
Cross Section

60-Nd-142
-33.12 To 13.56 %



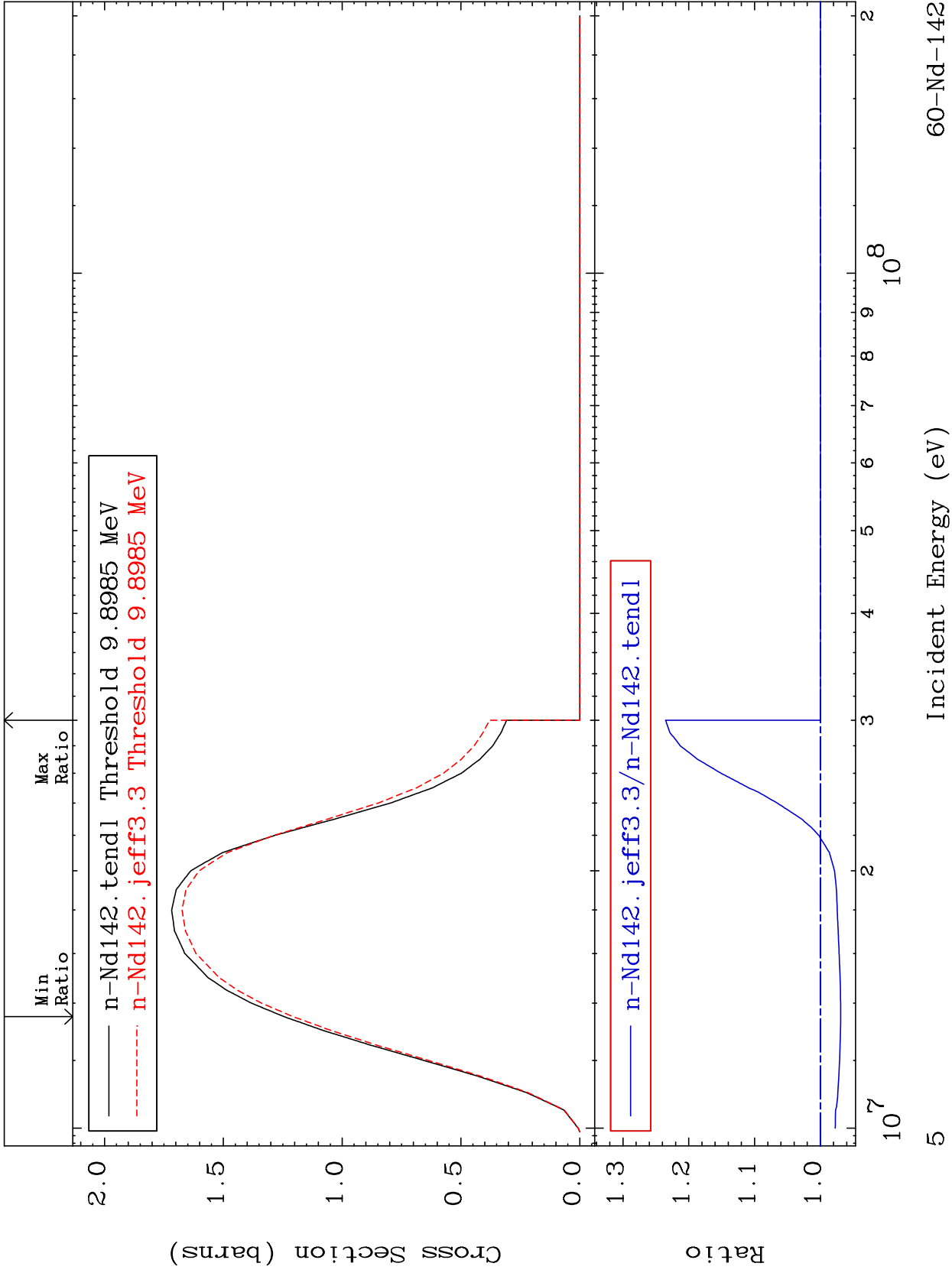
MAT 6025

(n,2n)

60-Nd-142

Cross Section

-3.075 To 23.53 %



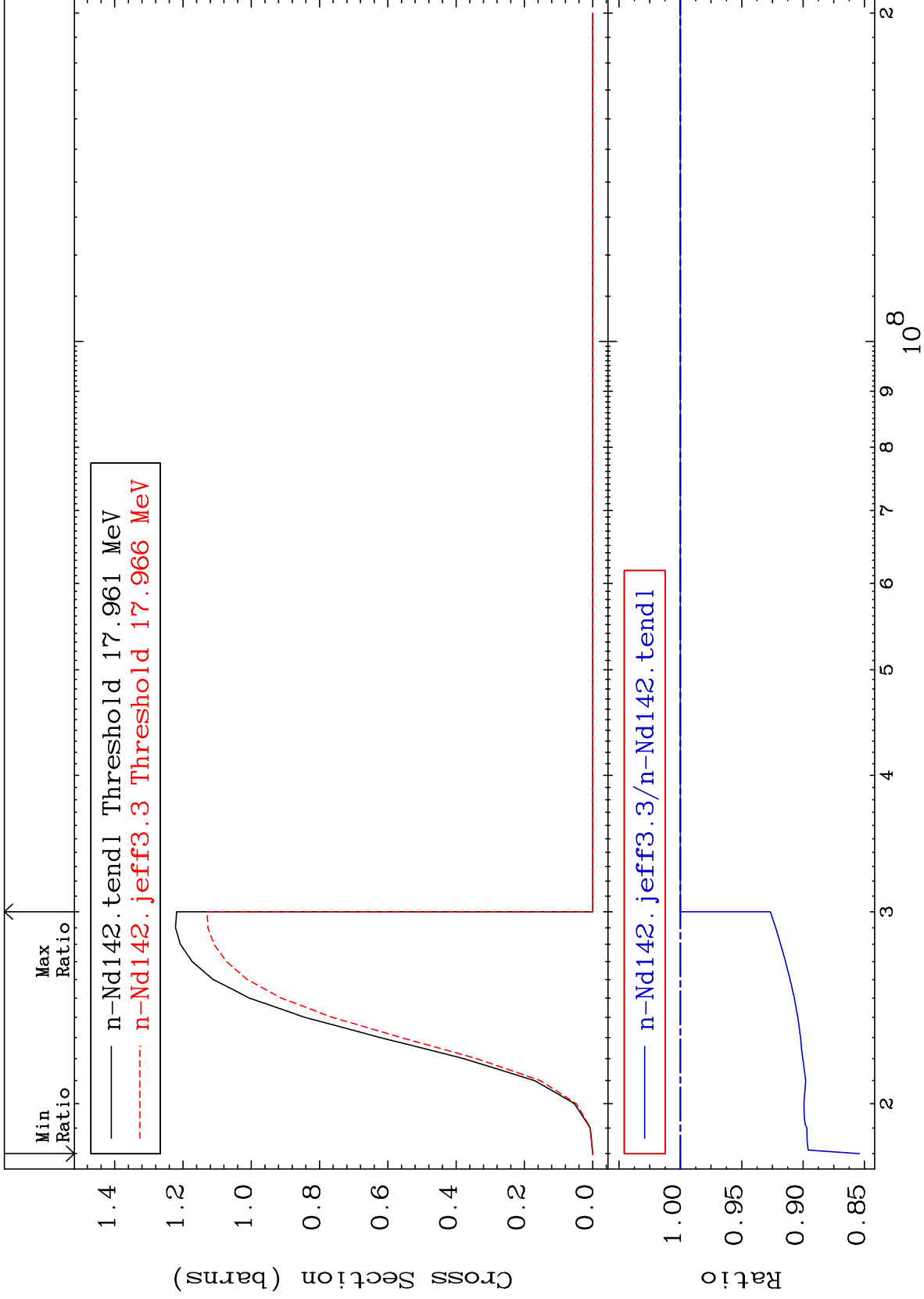
MAT 6025

(n,3n)

60-Nd-142

Cross Section

-14.59 To 0.000 %



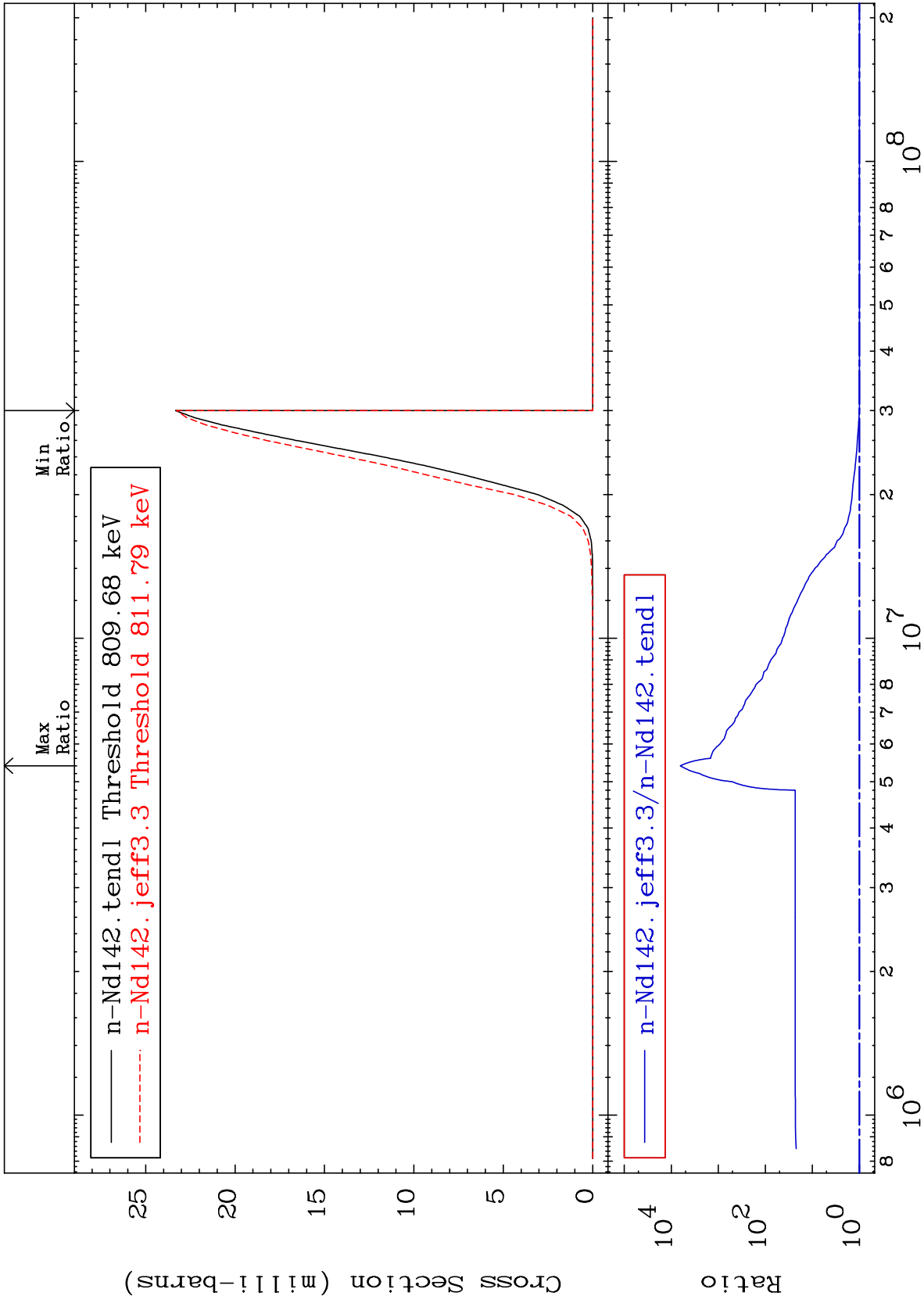
MAT 6025

$(n, n') \alpha$

60-Nd-142

Cross Section

-0.273 To 9999. %

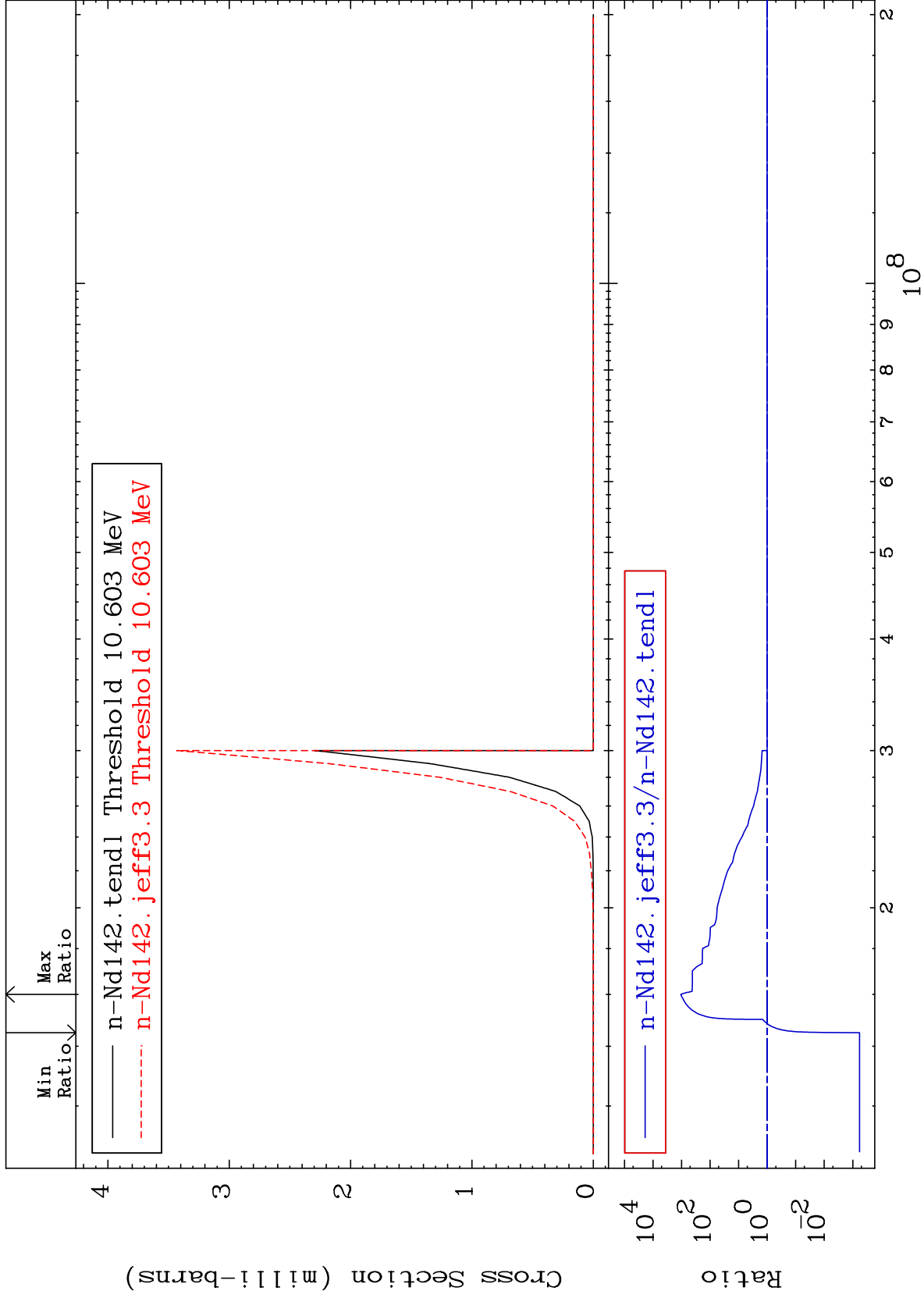


7

MAT 6025

(n,2n) α
Cross Section

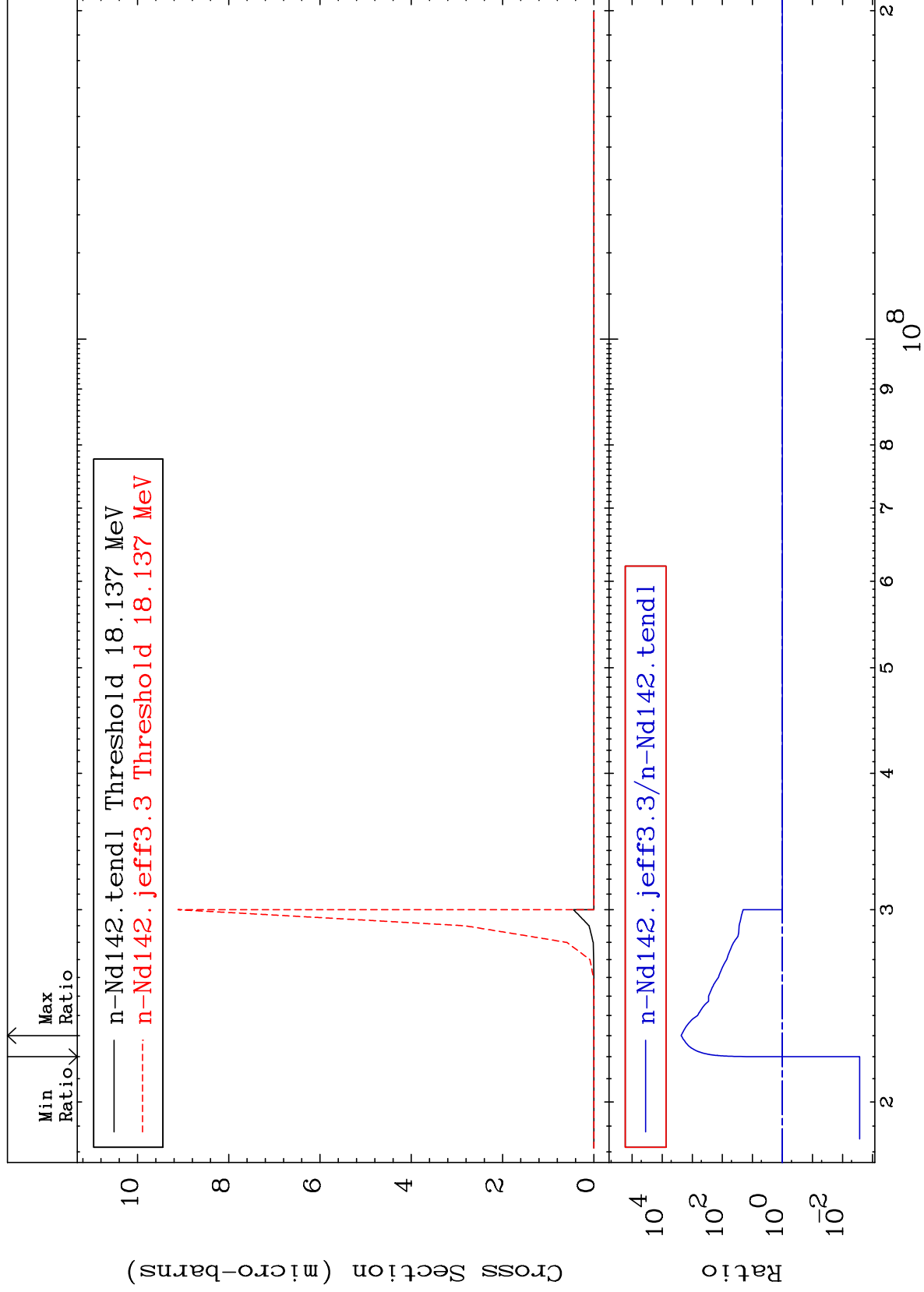
60-Nd-142
-99.94 To 9999. %



MAT 6025

(n,3n) α
Cross Section

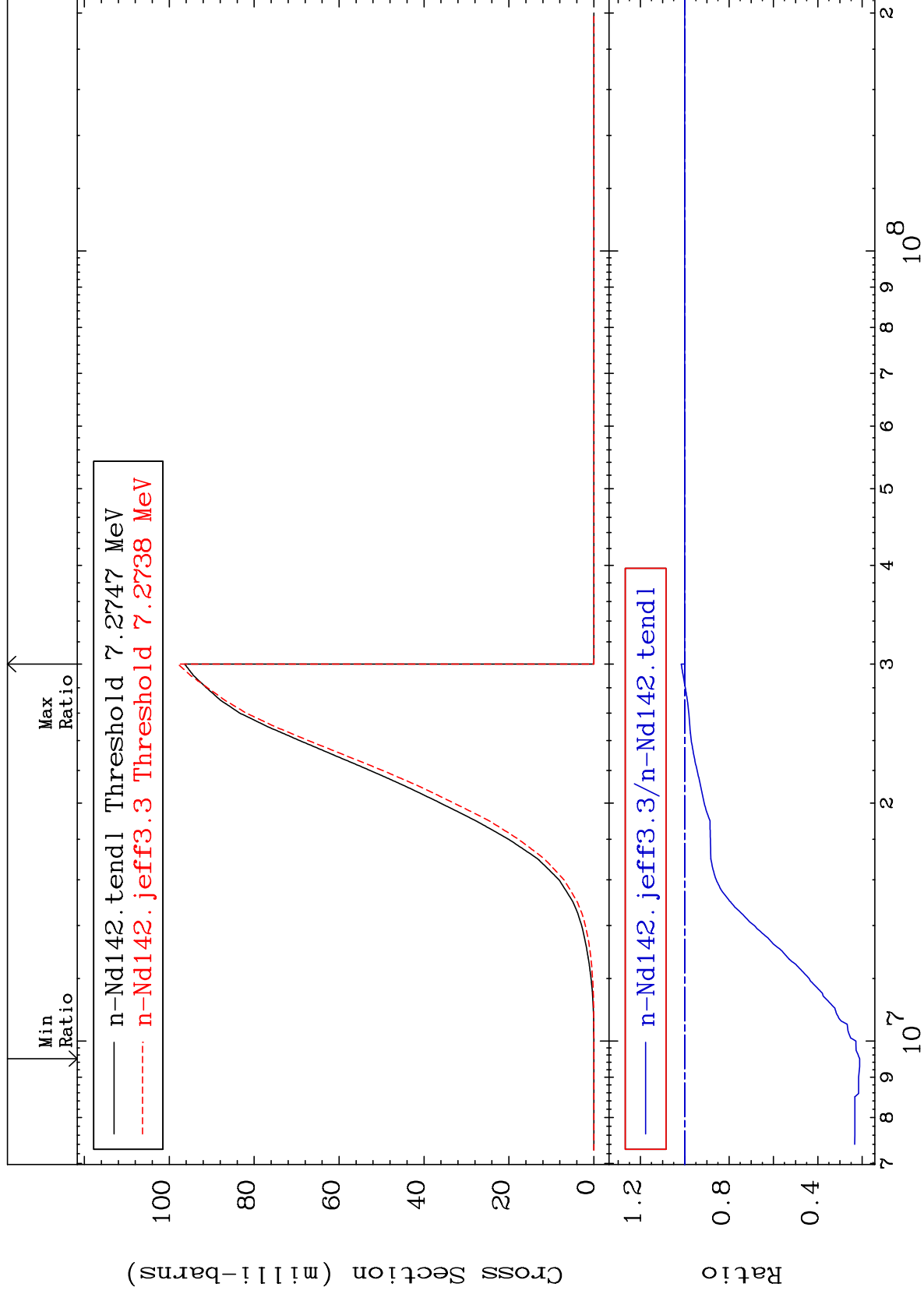
60-Nd-142
-99.73 To 9999. %



MAT 6025

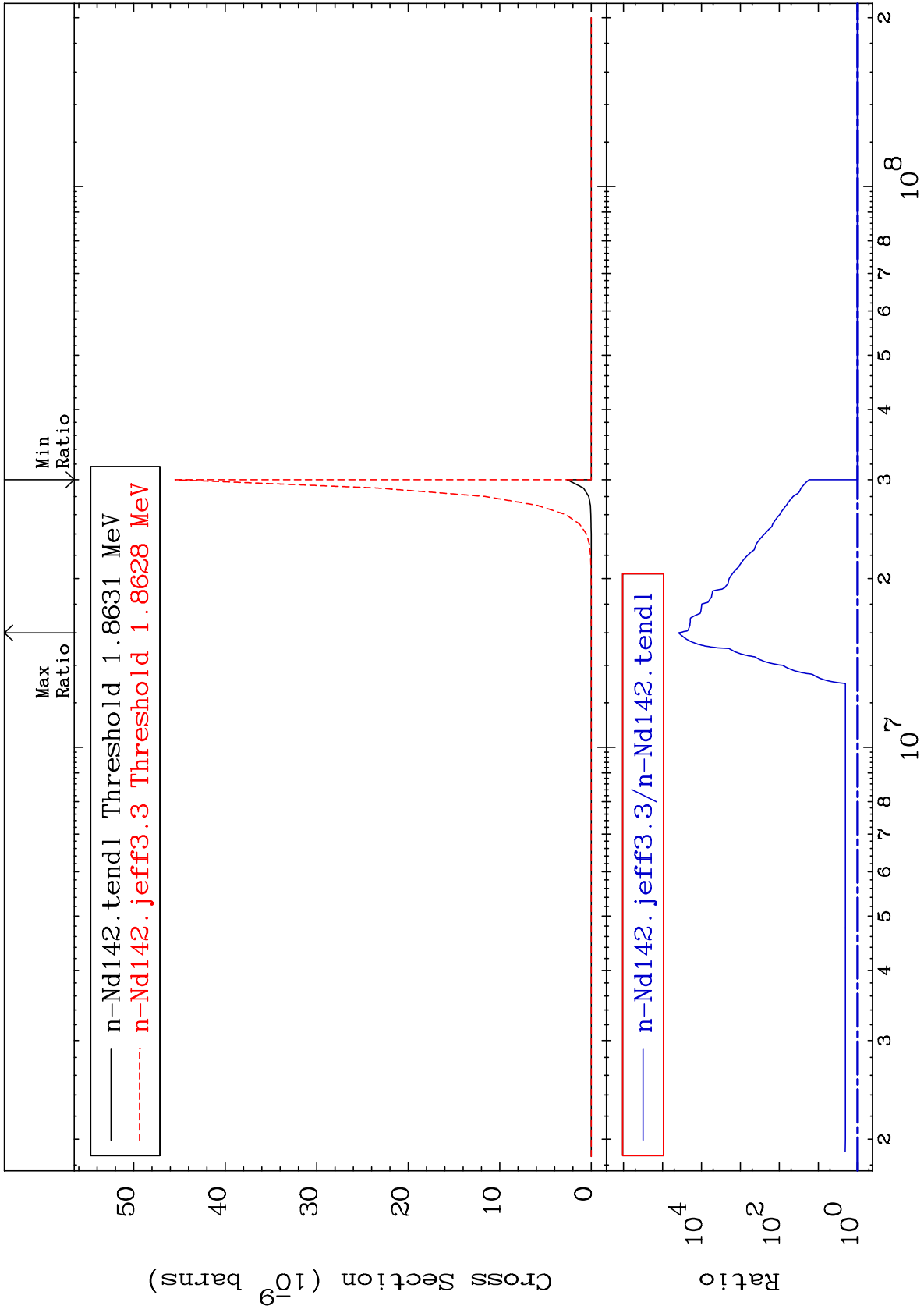
(n,n') p
Cross Section

60-Nd-142
-78.88 To 1.601 %



MAT 6025

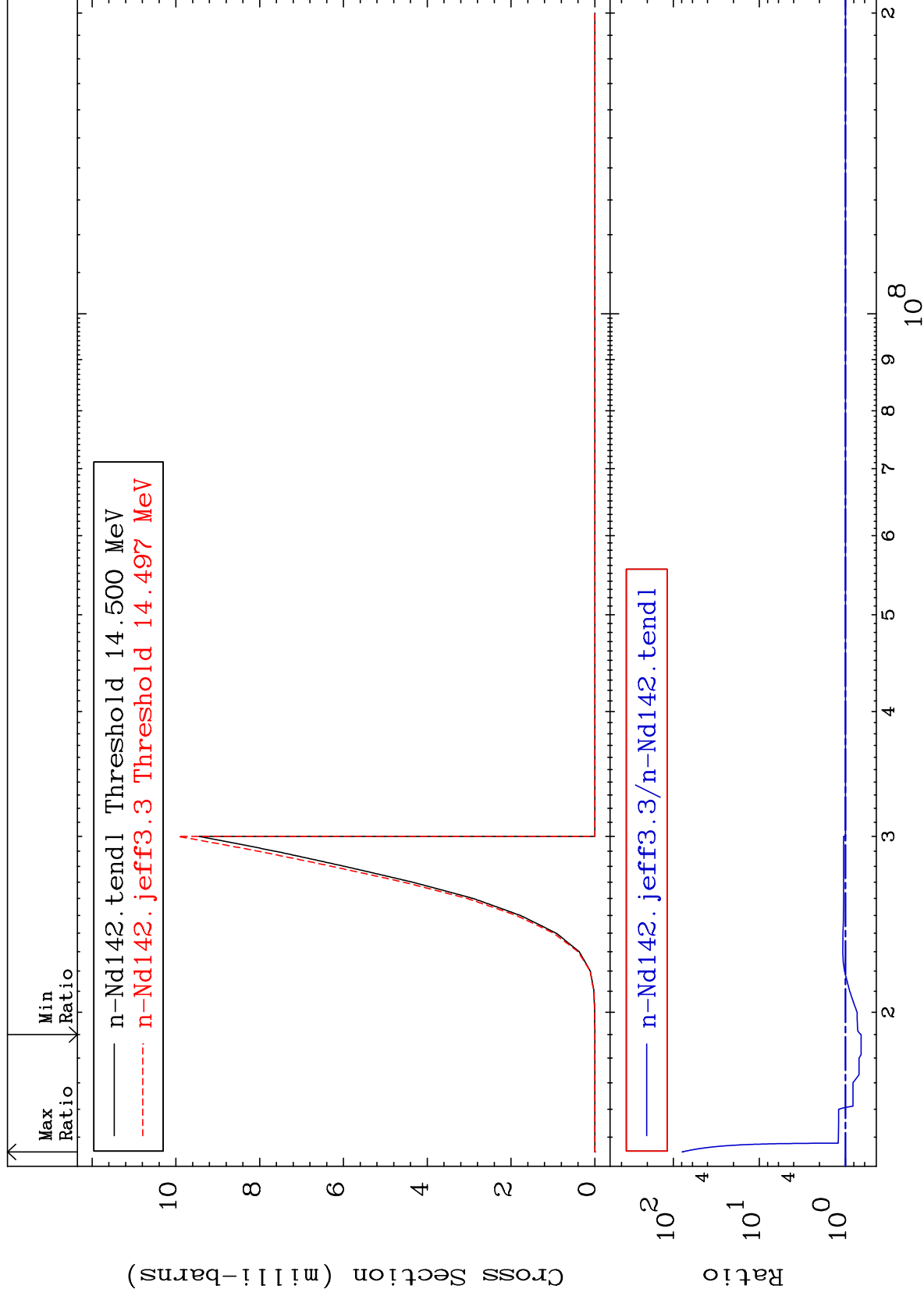
(n, n') 2α
Cross Section
60-Nd-142
To 9999. %



MAT 6025

(n,n') d
Cross Section

60-Nd-142
-34.23 To 7758. %



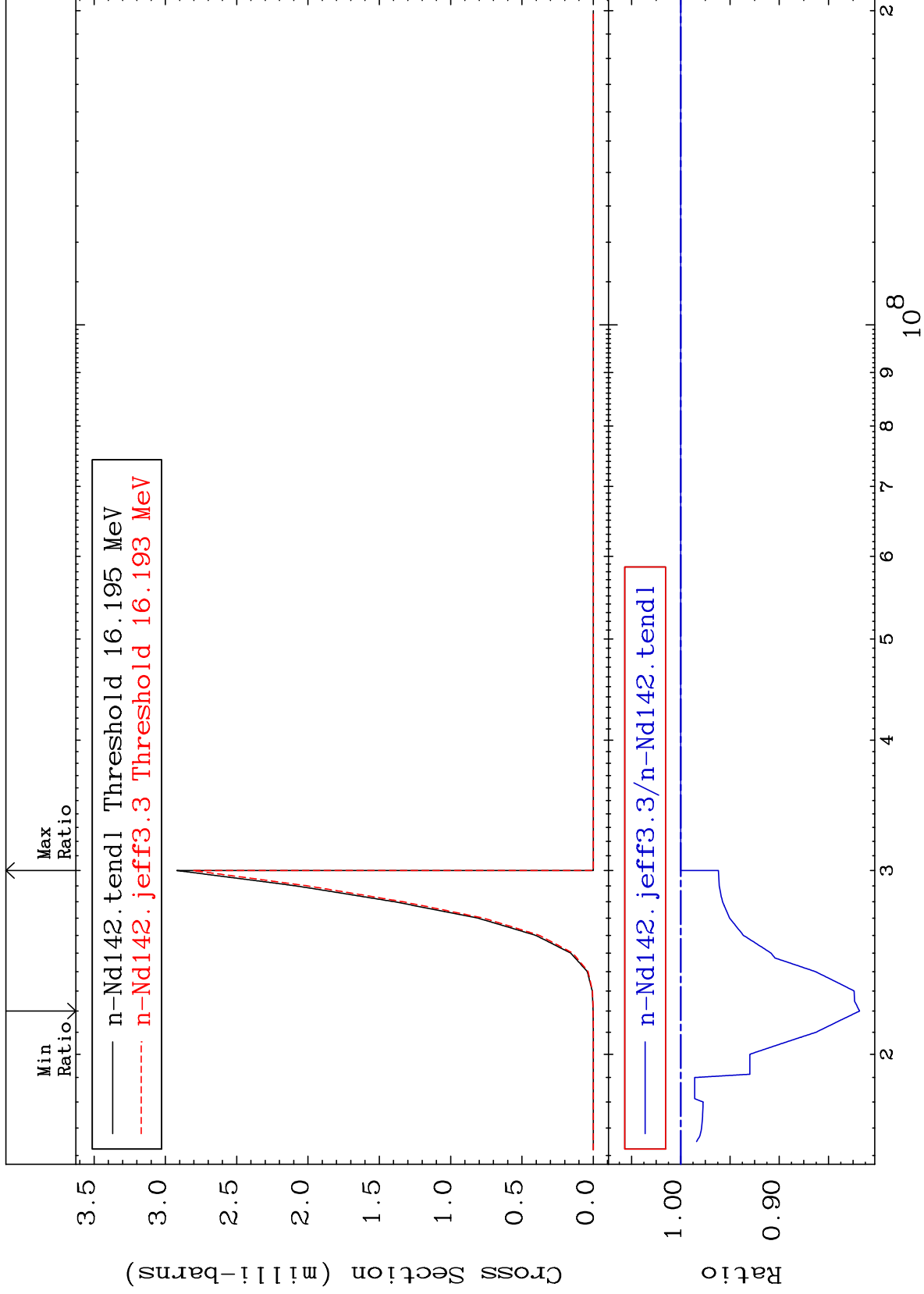
MAT 6025

(n,n') t

60-Nd-142

Cross Section

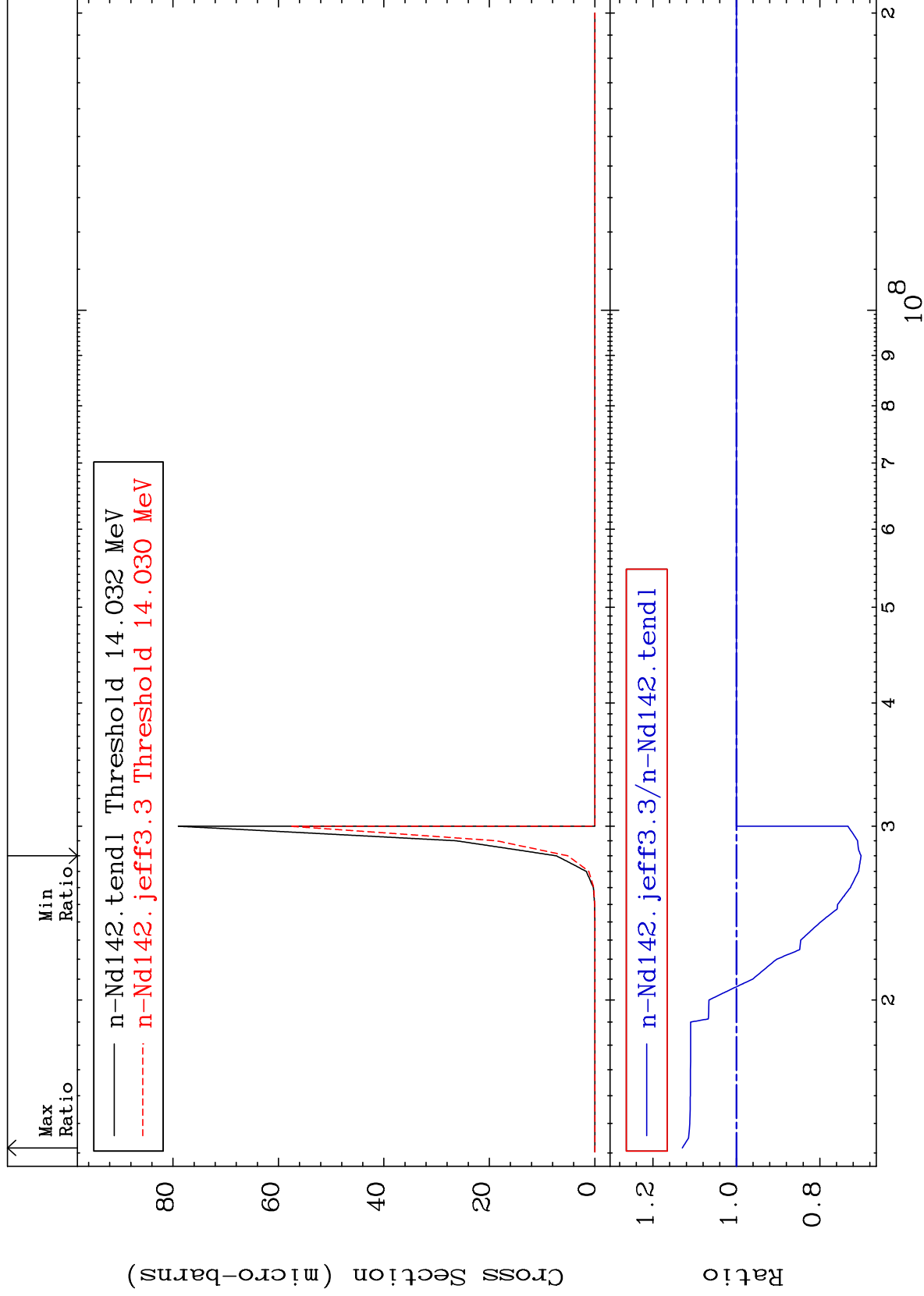
-18.16 To 0.000 %



MAT 6025

(n, n') He-3
Cross Section

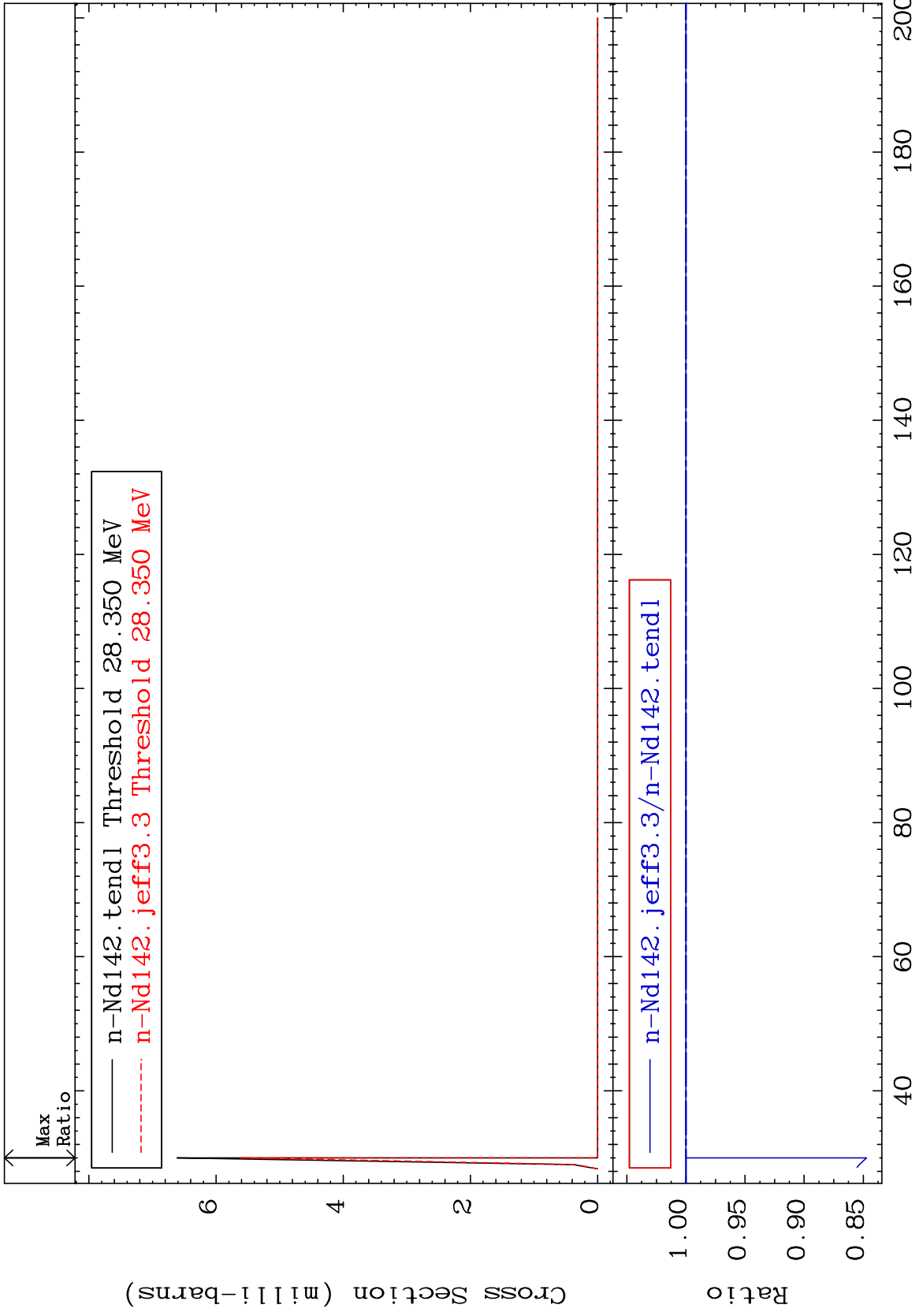
60-Nd-142
-29.89 To 12.97 %



MAT 6025

(n,4n)
Cross Section

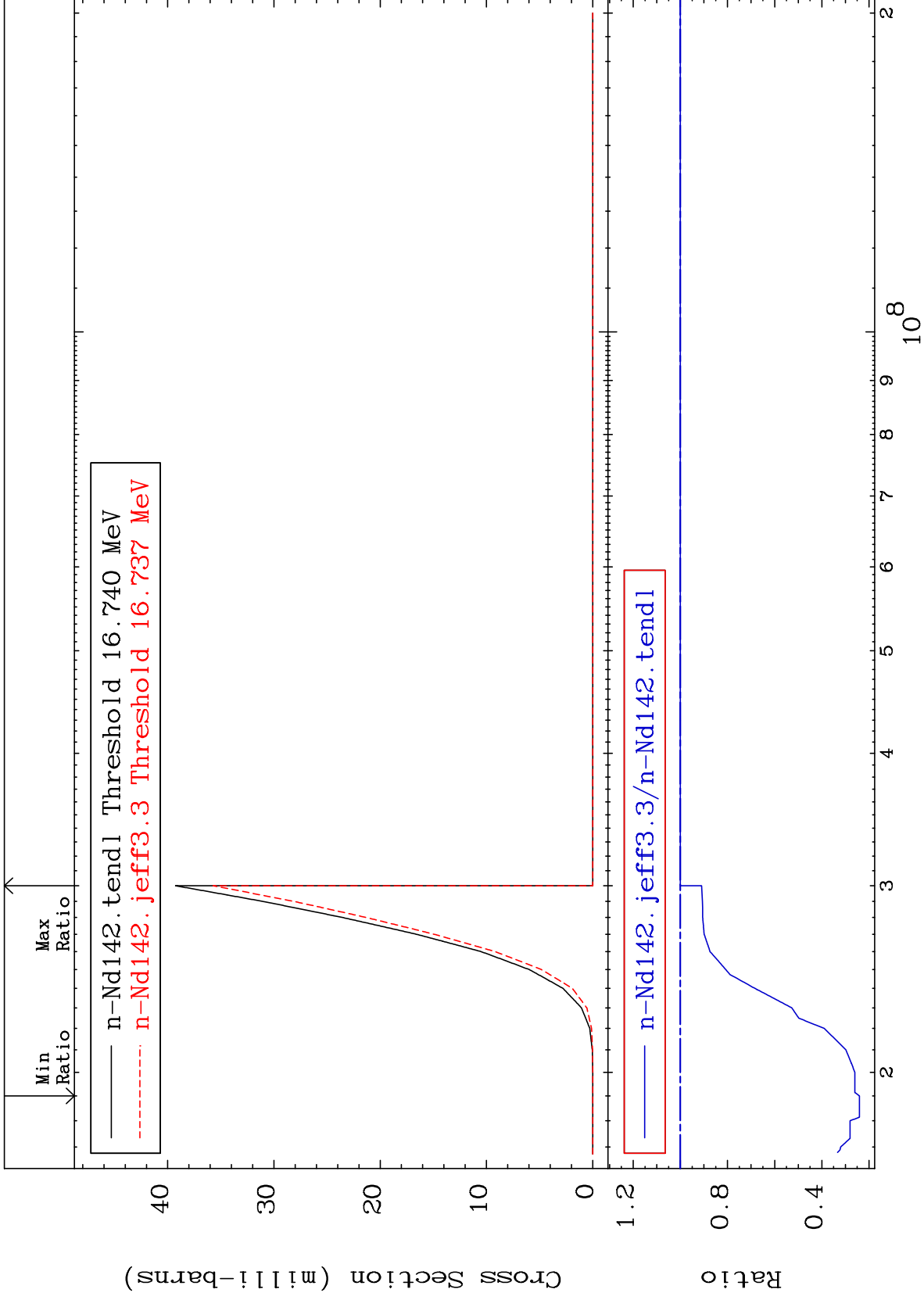
60-Nd-142
-15.27 To 0.000 %



MAT 6025

(n,2n) p
Cross Section

60-Nd-142
-75.94 To 0.000 %



16

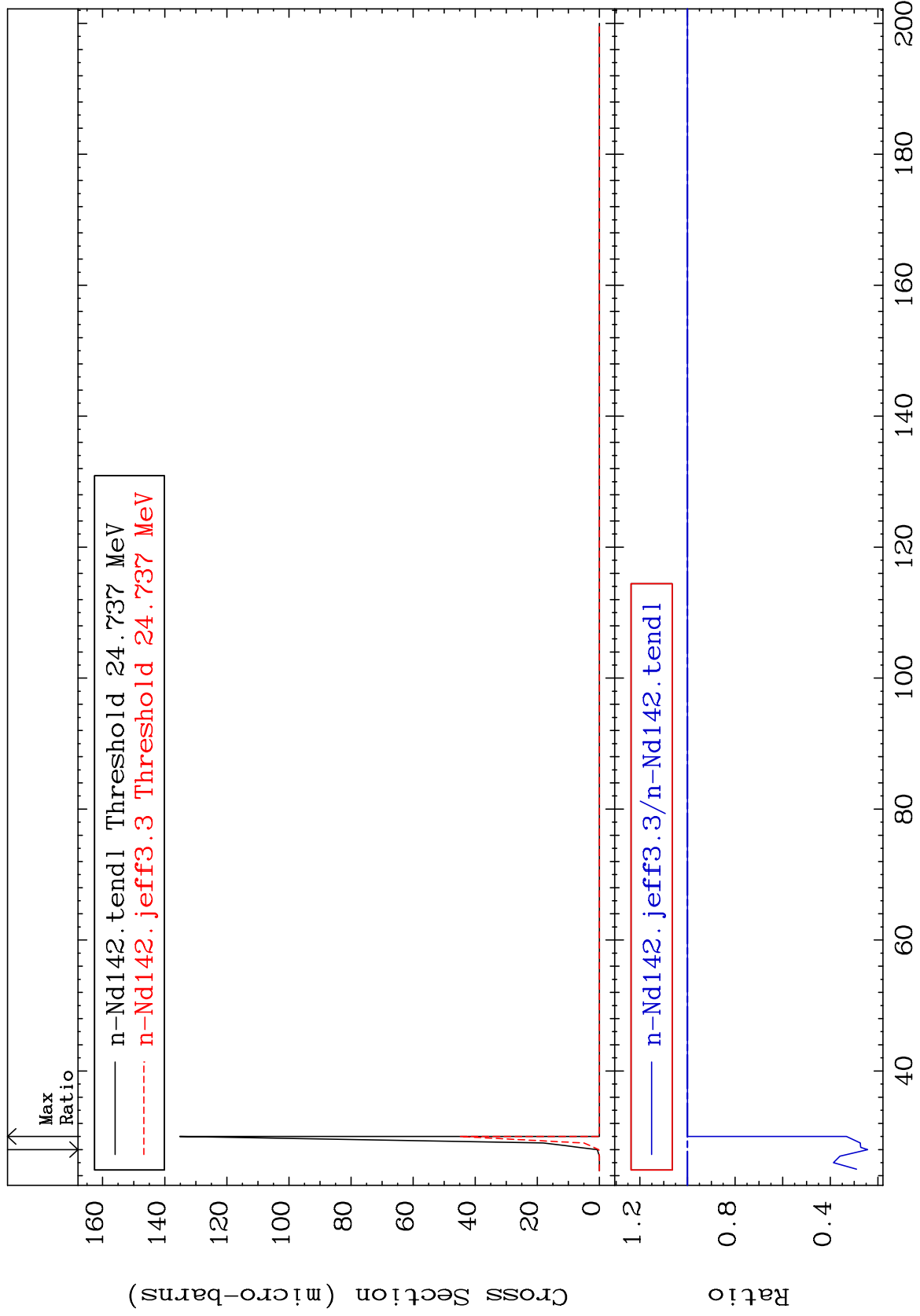
Incident Energy (eV)

60-Nd-142

MAT 6025

(n,3n) p
Cross Section

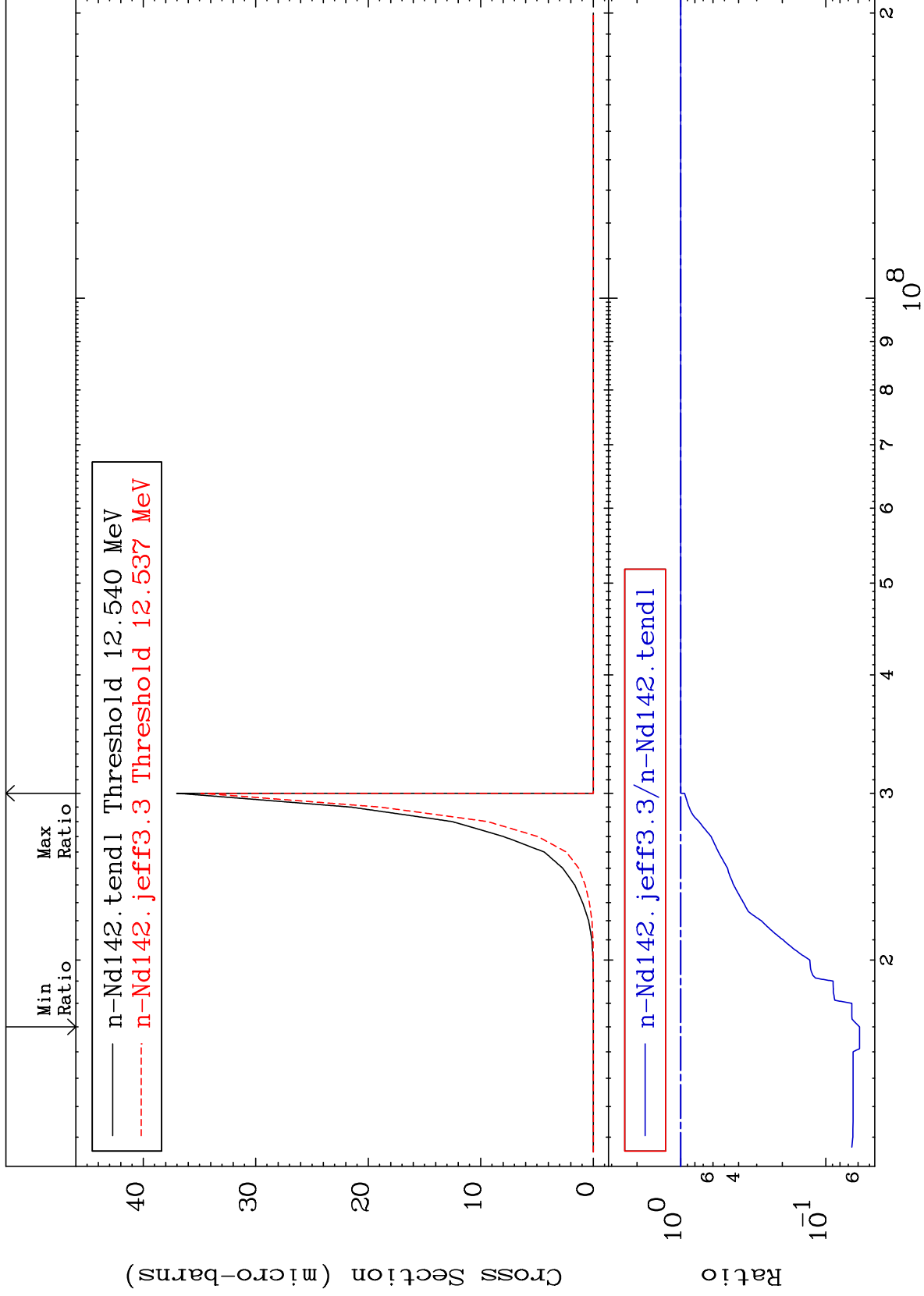
60-Nd-142
-75.66 To 0.000 %



MAT 6025

(n,2n) p
Cross Section

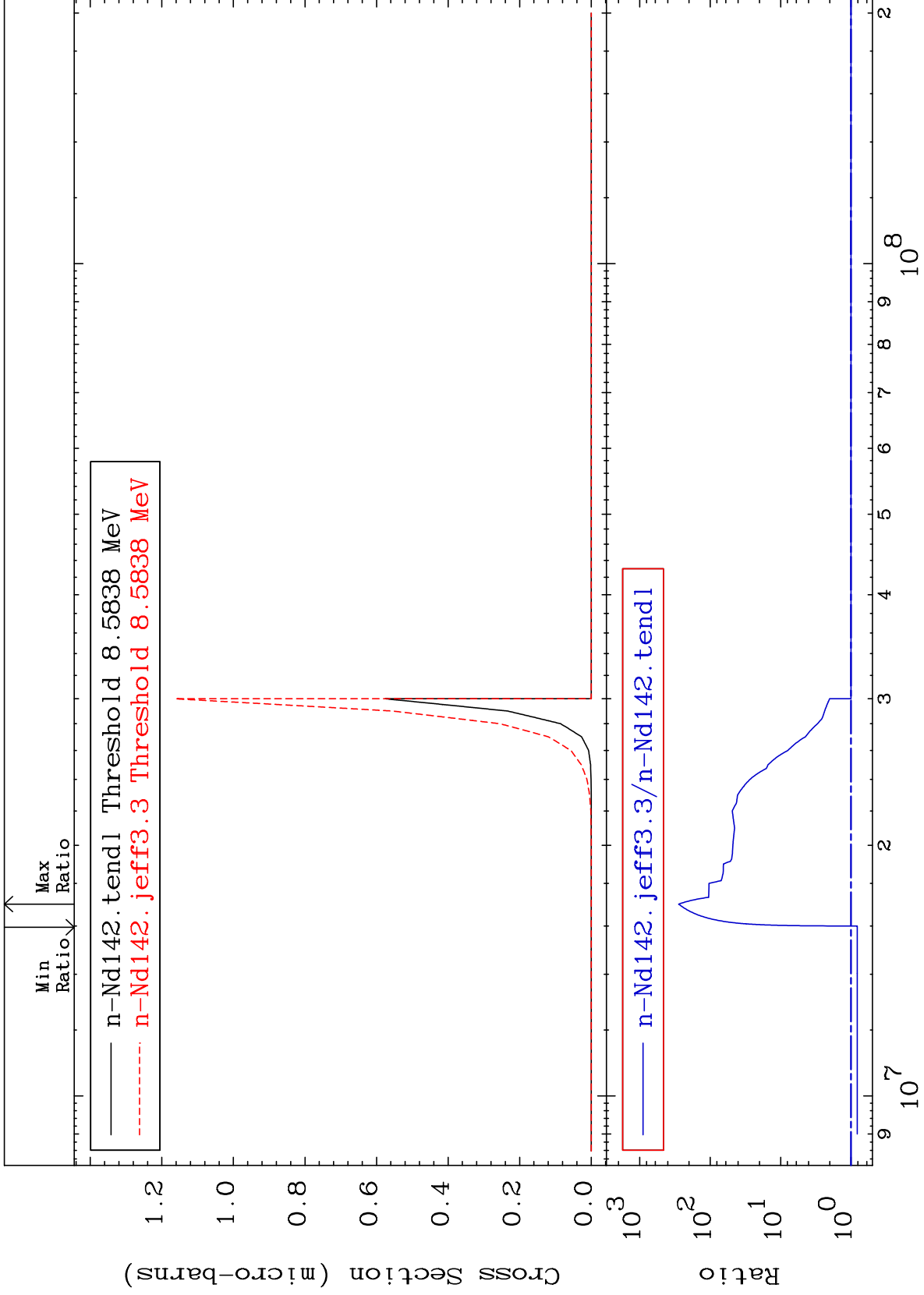
60-Nd-142
-94.13 To 0.000 %



MAT 6025

(n,n') p α
Cross Section

60-Nd-142
-18.23 To 9999. %



19

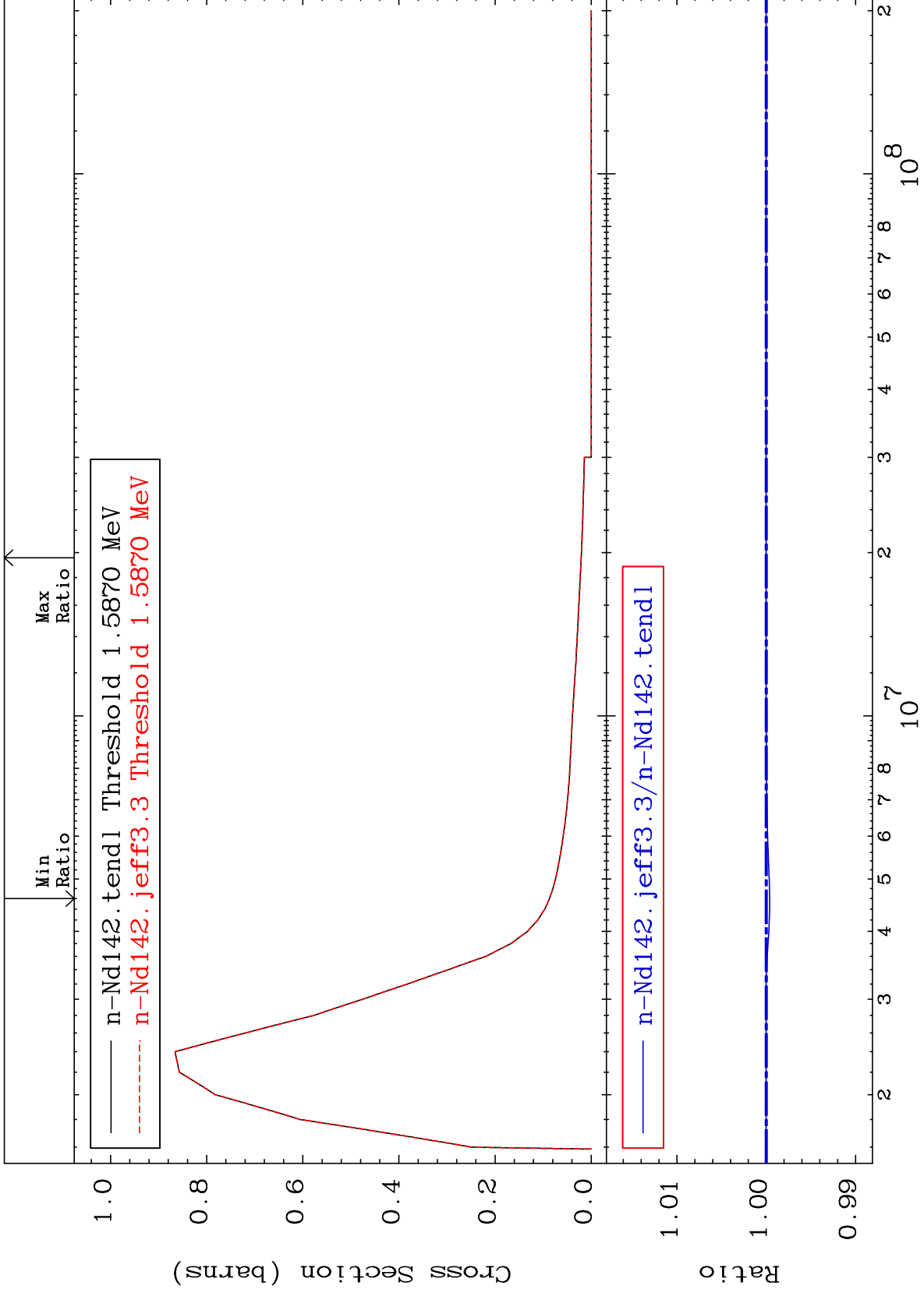
Incident Energy (eV)

60-Nd-142

MAT 6025

MT= 51 (n,n') Level
Cross Section

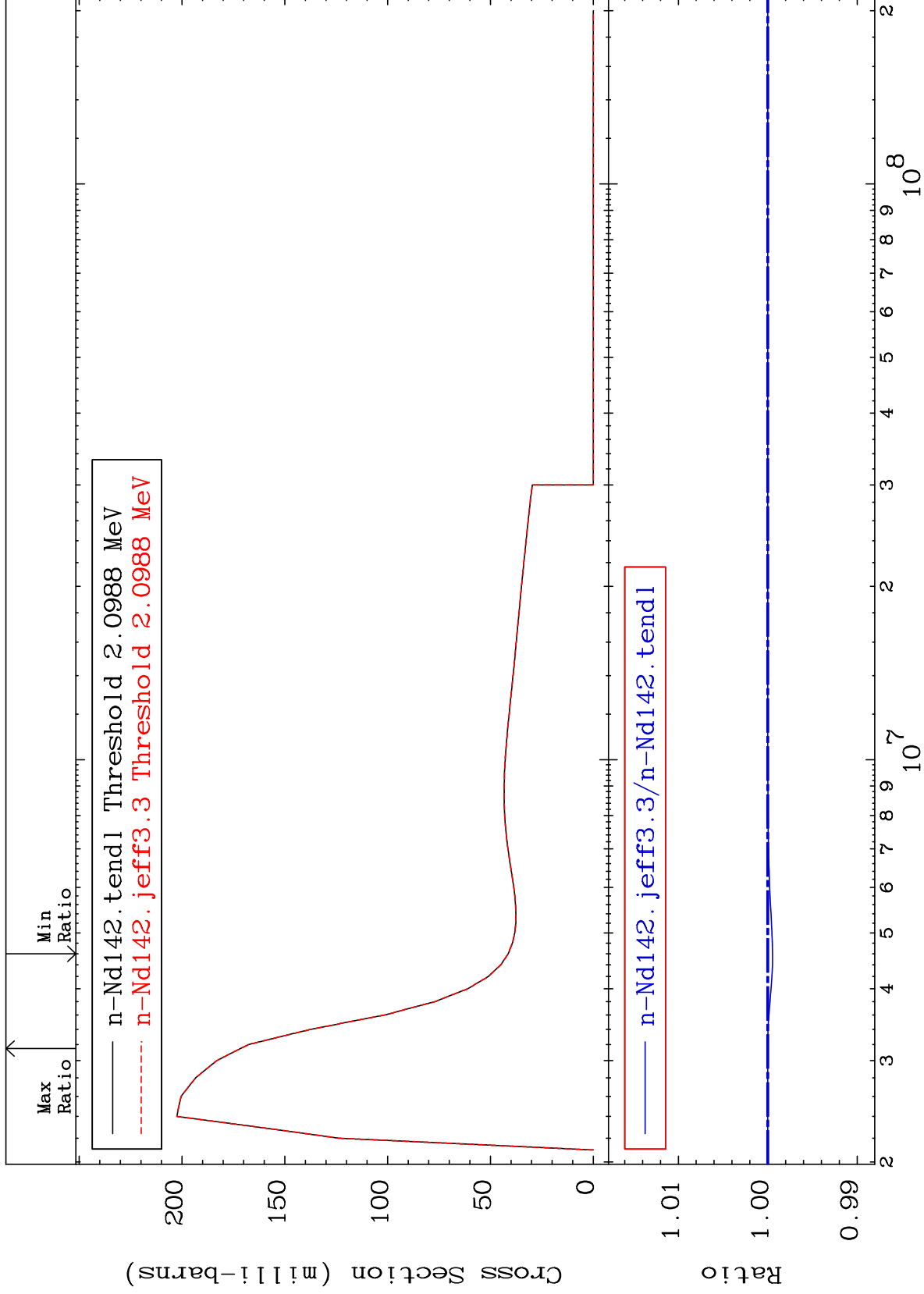
60-Nd-142
-0.038 To 0.000 %



MAT 6025

MT= 52 (n,n') Level
Cross Section

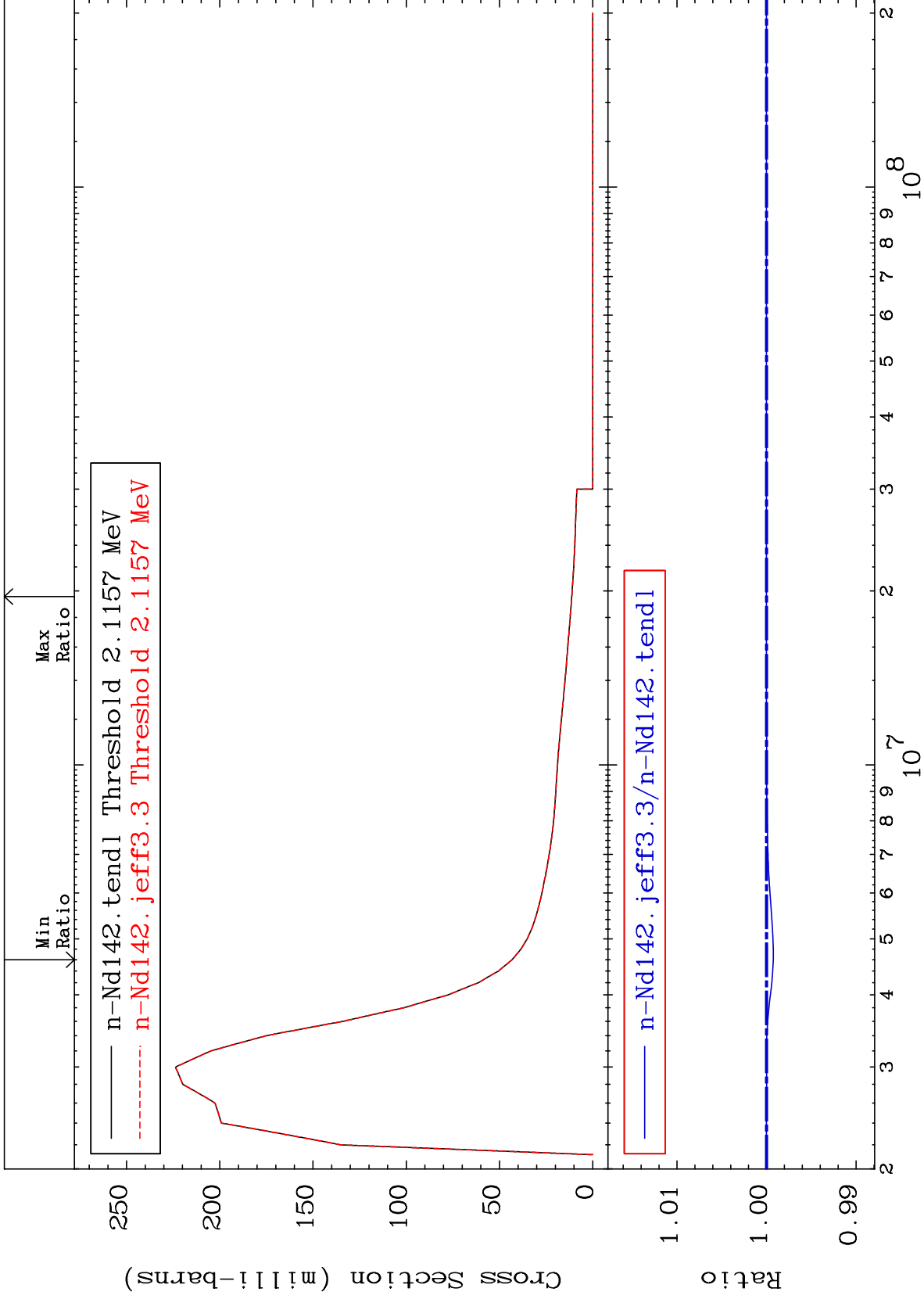
60-Nd-142
-0.054 To 0.000 %



MAT 6025

MT= 53 (n,n') Level
Cross Section

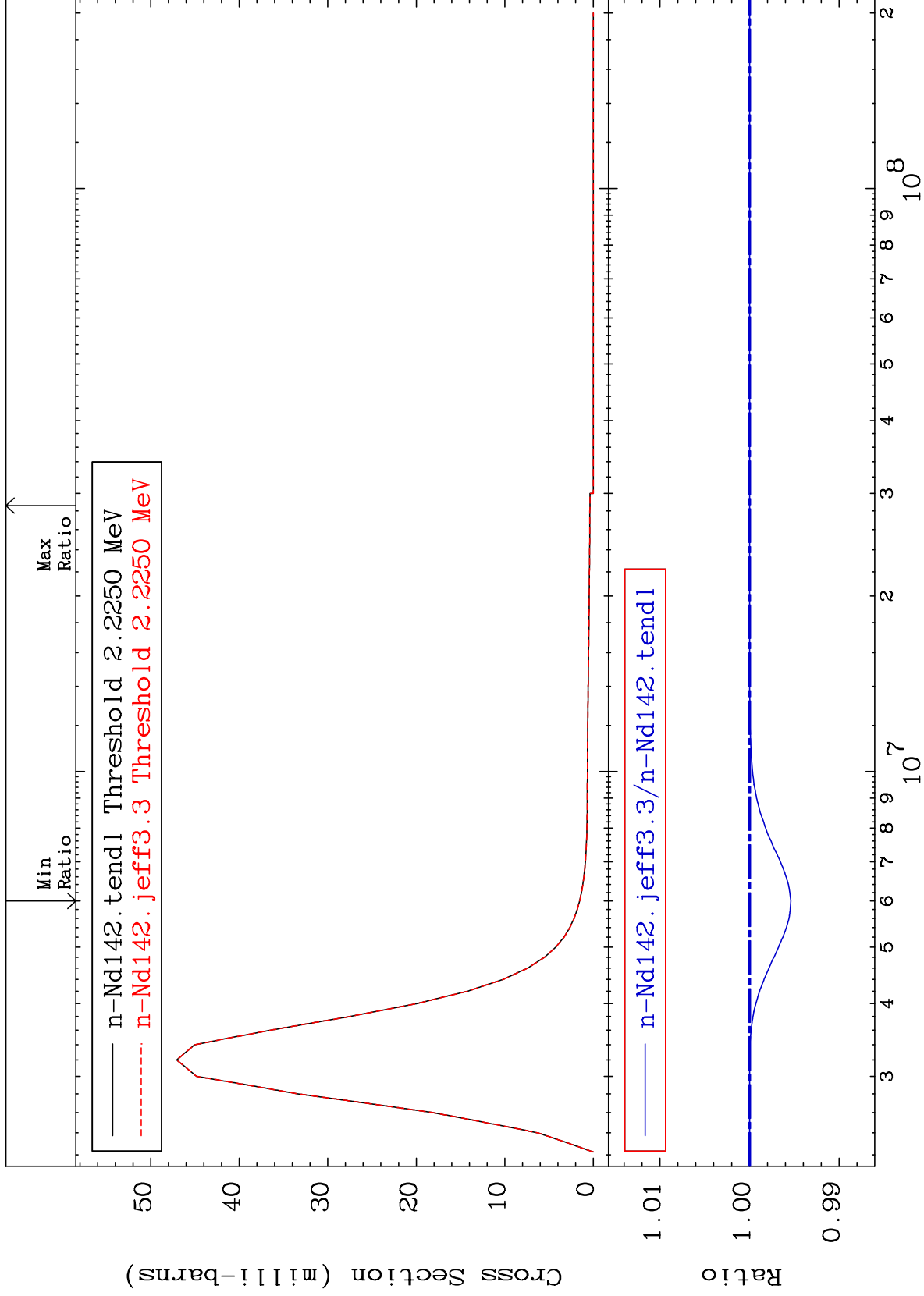
60-Nd-142
-0.076 To 0.000 %



MAT 6025

MT= 54 (n, n') Level
Cross Section

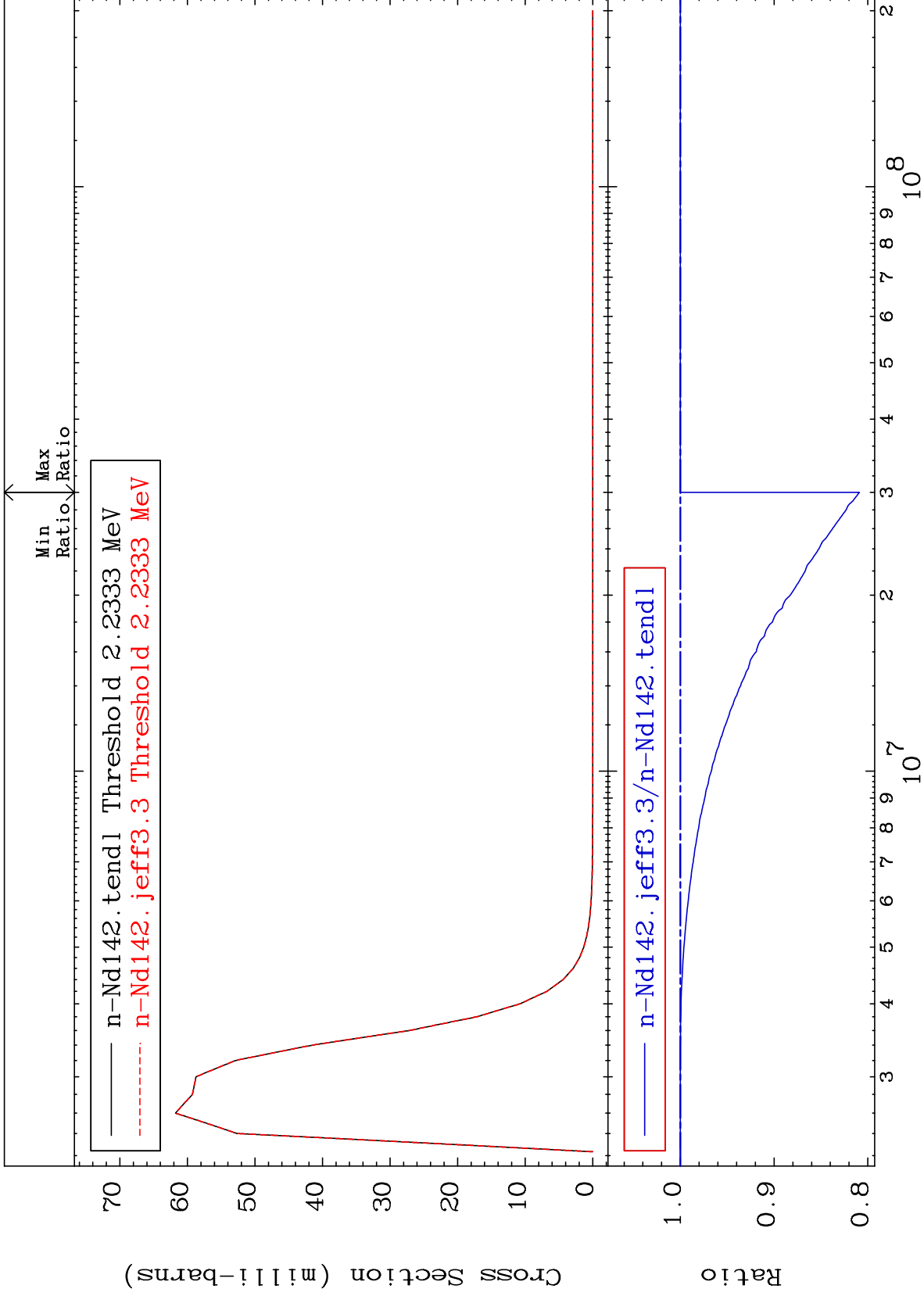
60-Nd-142
-0.460 To 0.000 %



MAT 6025

MT= 55 (n,n') Level
Cross Section

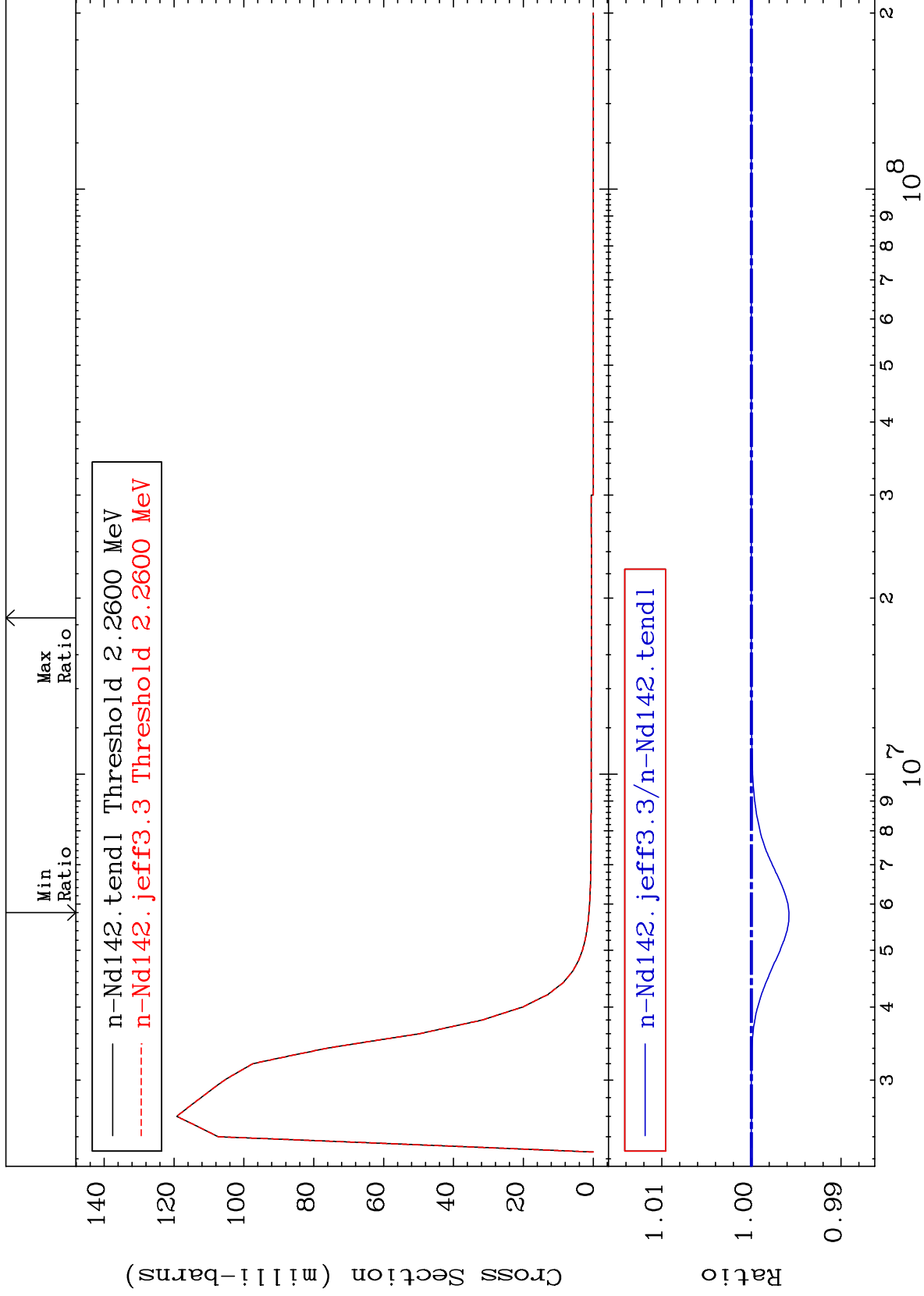
60-Nd-142
-19.11 To 0.000 %



MAT 6025

MT= 56 (n,n') Level
Cross Section

60-Nd-142
-0.420 To 0.000 %



25

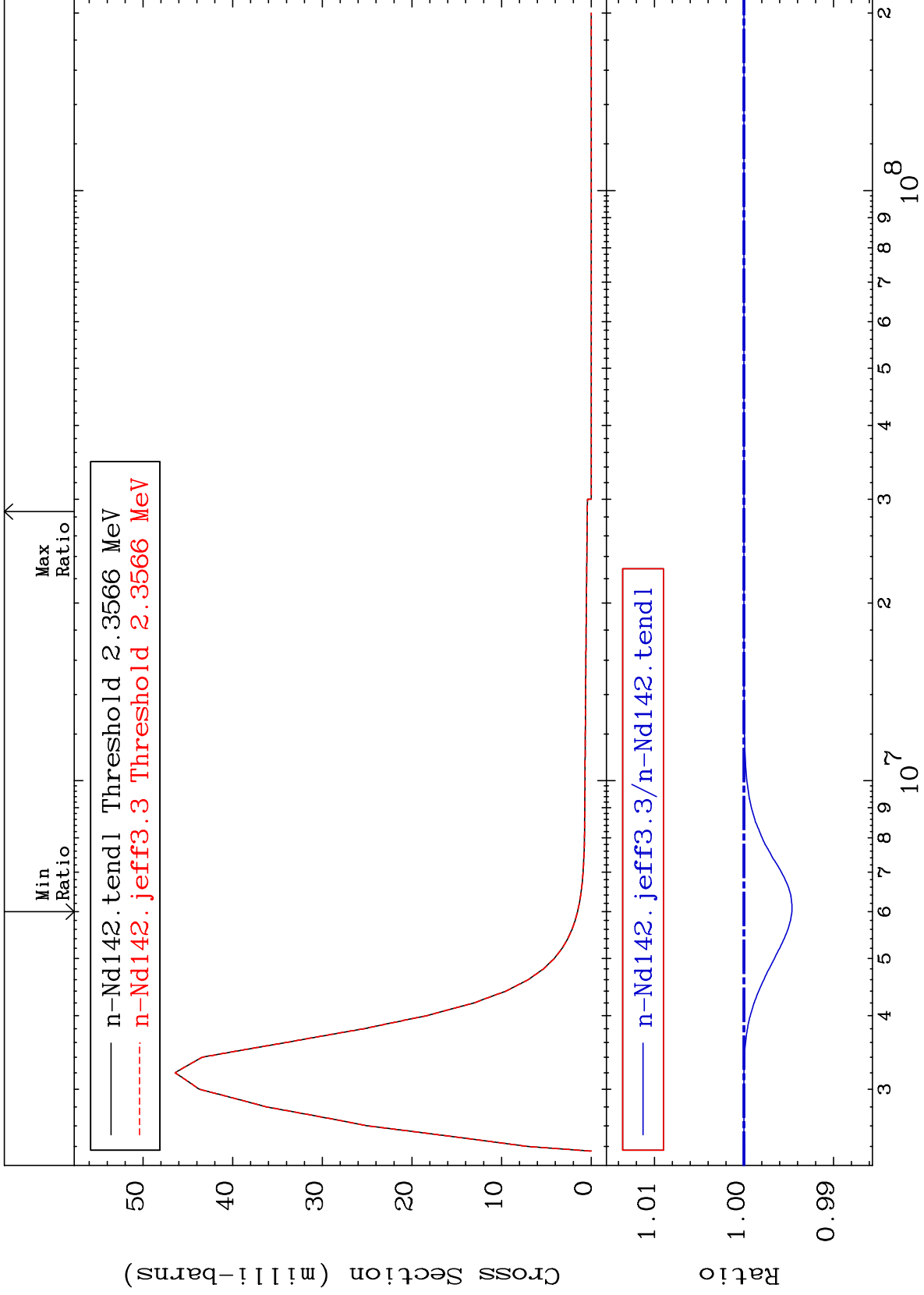
Incident Energy (eV)

60-Nd-142

MAT 6025

MT= 57 (n, n') Level
Cross Section

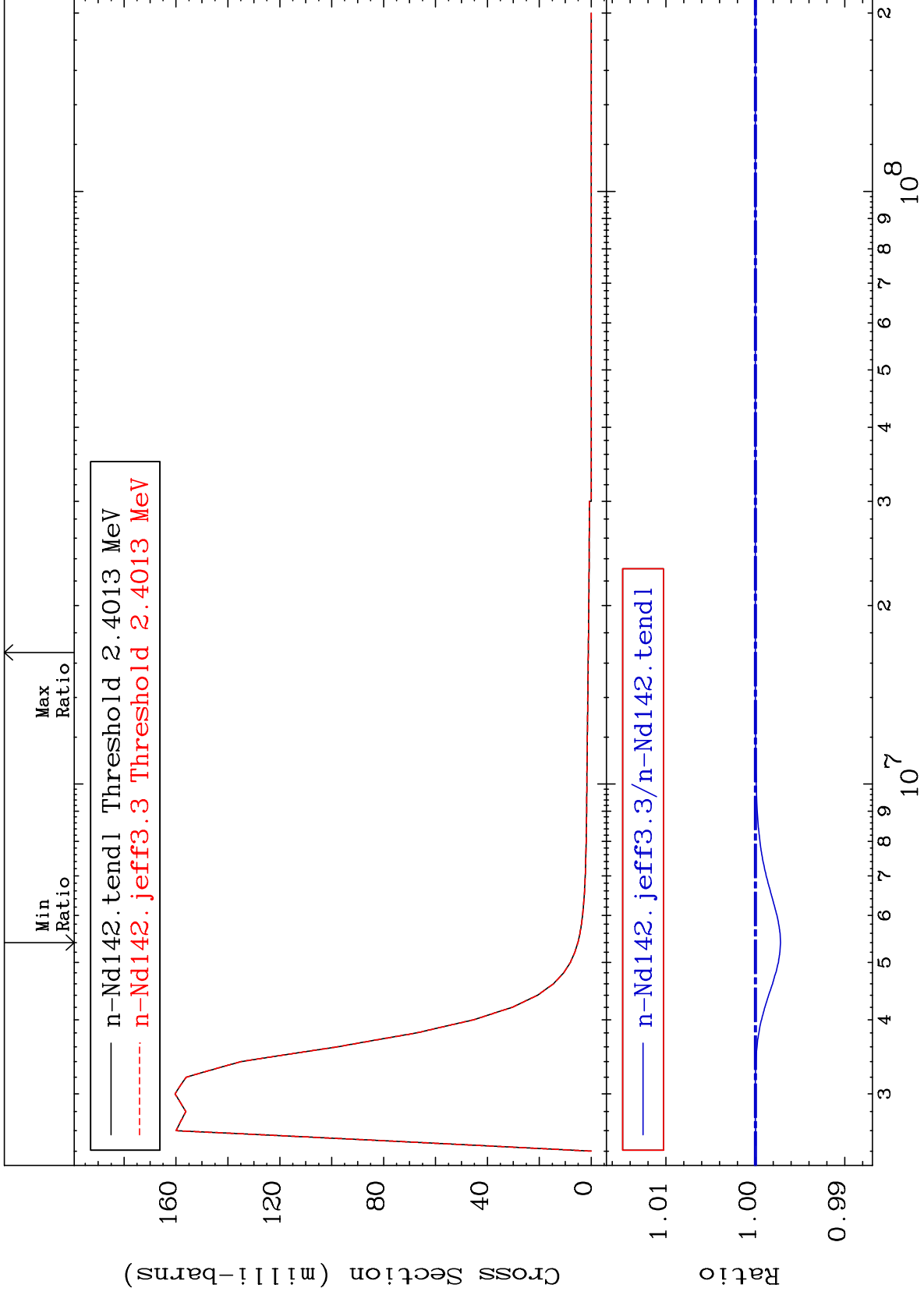
60-Nd-142
-0.537 To 0.000 %



MAT 6025

MT= 58 (n,n') Level
Cross Section

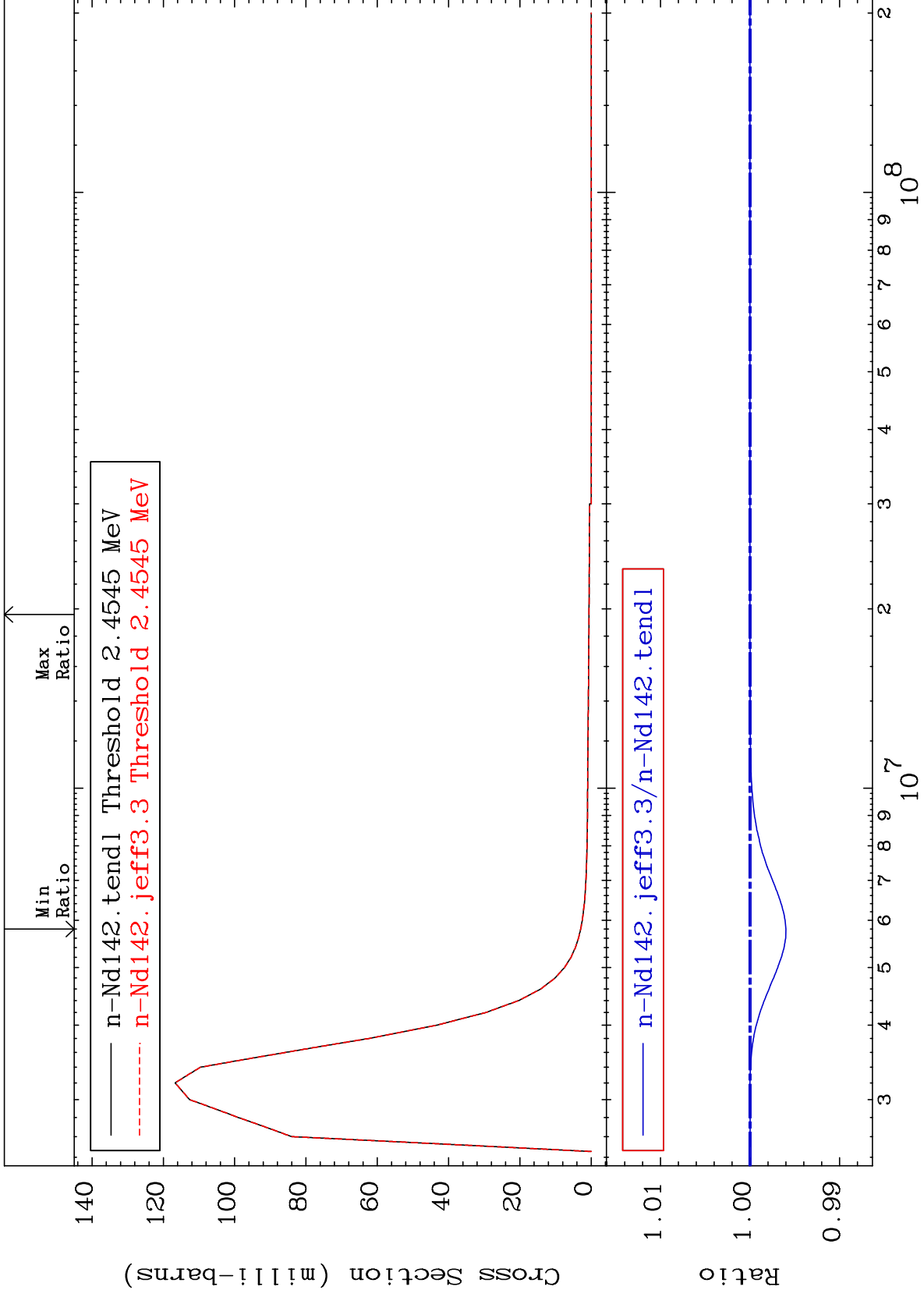
60-Nd-142
-0.280 To 0.000 %



MAT 6025

MT= 59 (n,n') Level
Cross Section

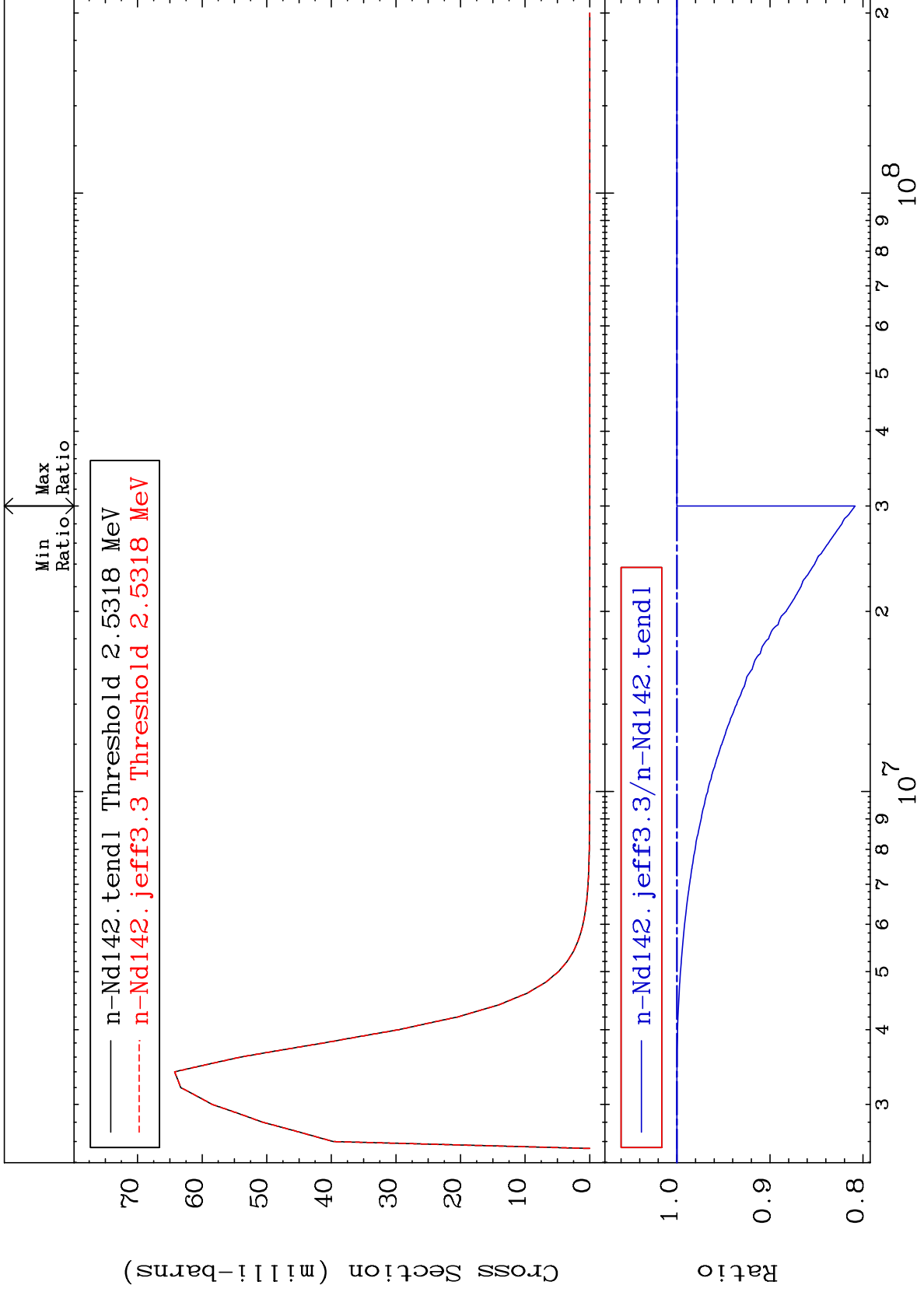
60-Nd-142
-0.401 To 0.000 %



MAT 6025

MT= 60 (n,n') Level
Cross Section

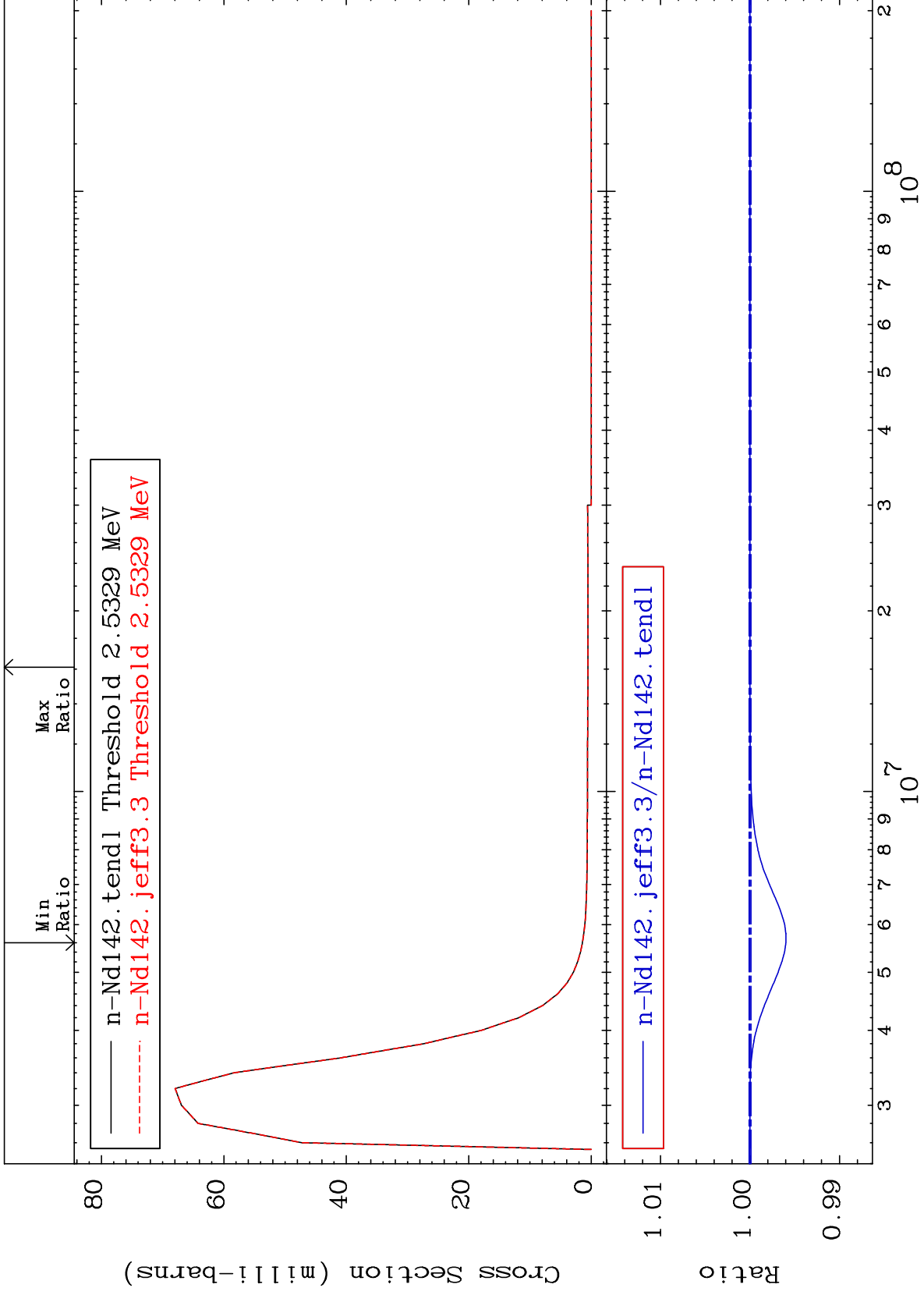
60-Nd-142
-19.14 To 0.000 %



MAT 6025

MT= 61 (n,n') Level
Cross Section

60-Nd-142
-0.402 To 0.000 %



30

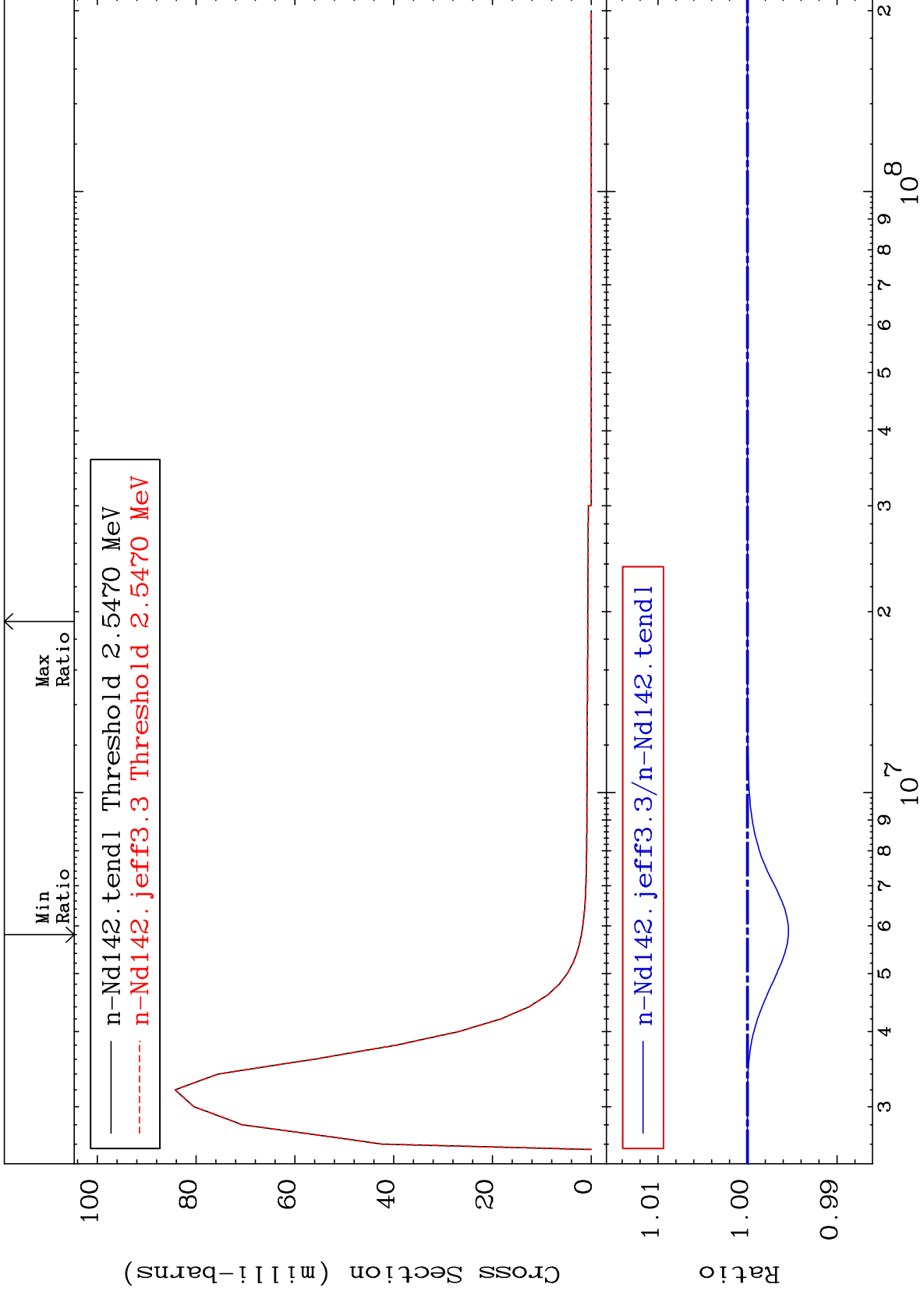
Incident Energy (eV)

60-Nd-142

MAT 6025

MT= 62 (n,n') Level
Cross Section

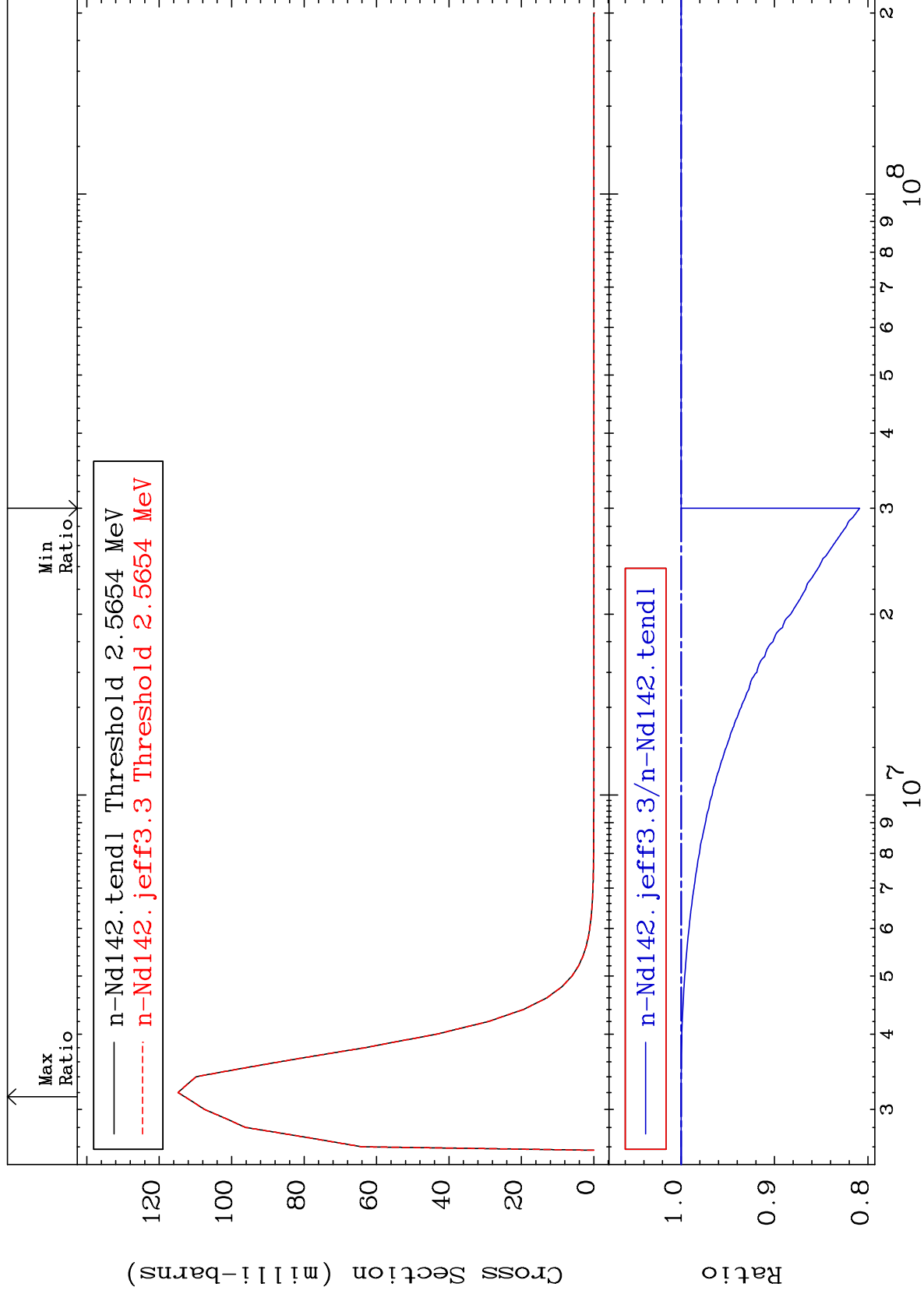
60-Nd-142
-0.458 To 0.000 %



MAT 6025

MT= 63 (n, n') Level
Cross Section

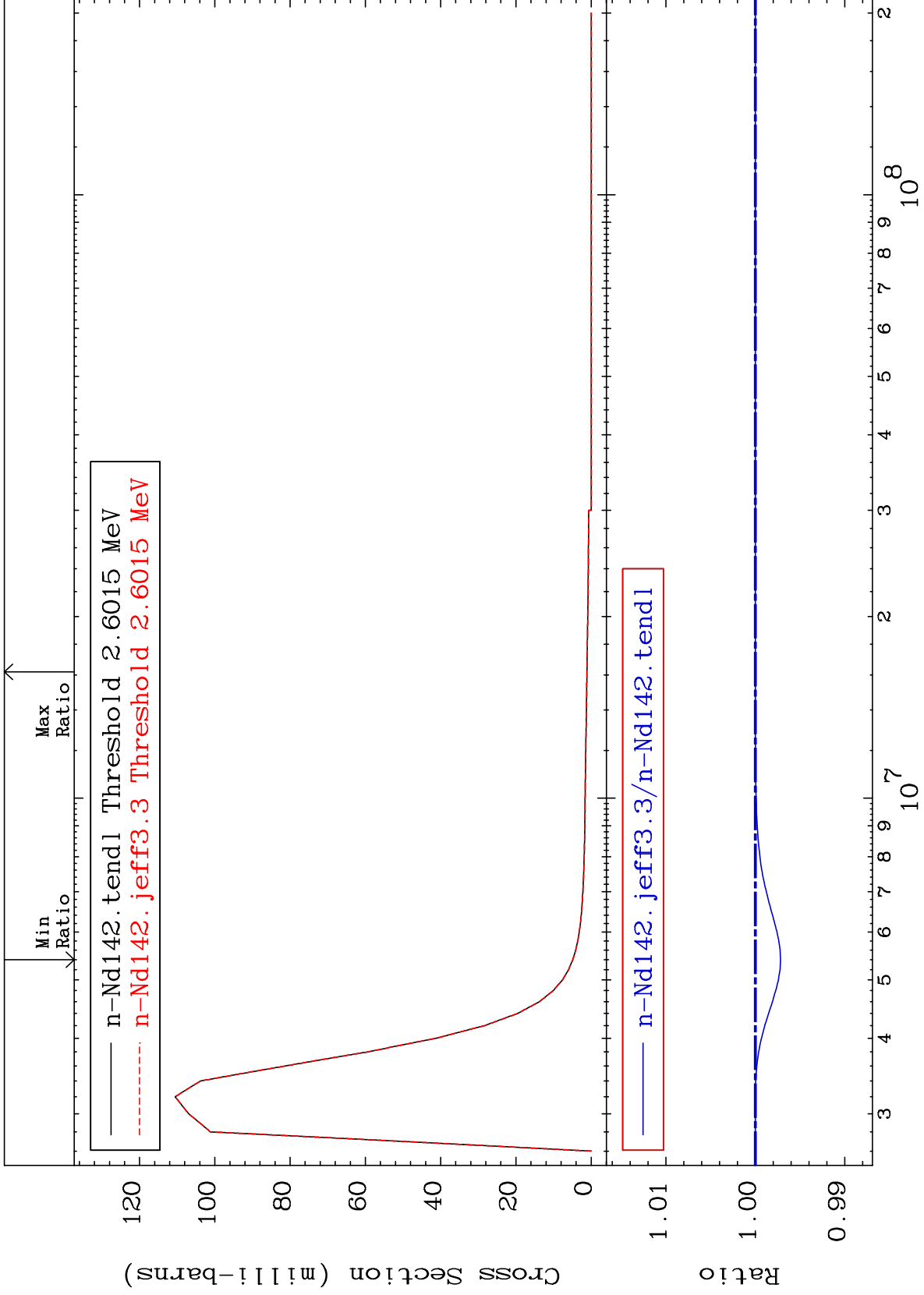
60-Nd-142
-19.12 To 0.000 %



MAT 6025

MT= 64 (n,n') Level
Cross Section

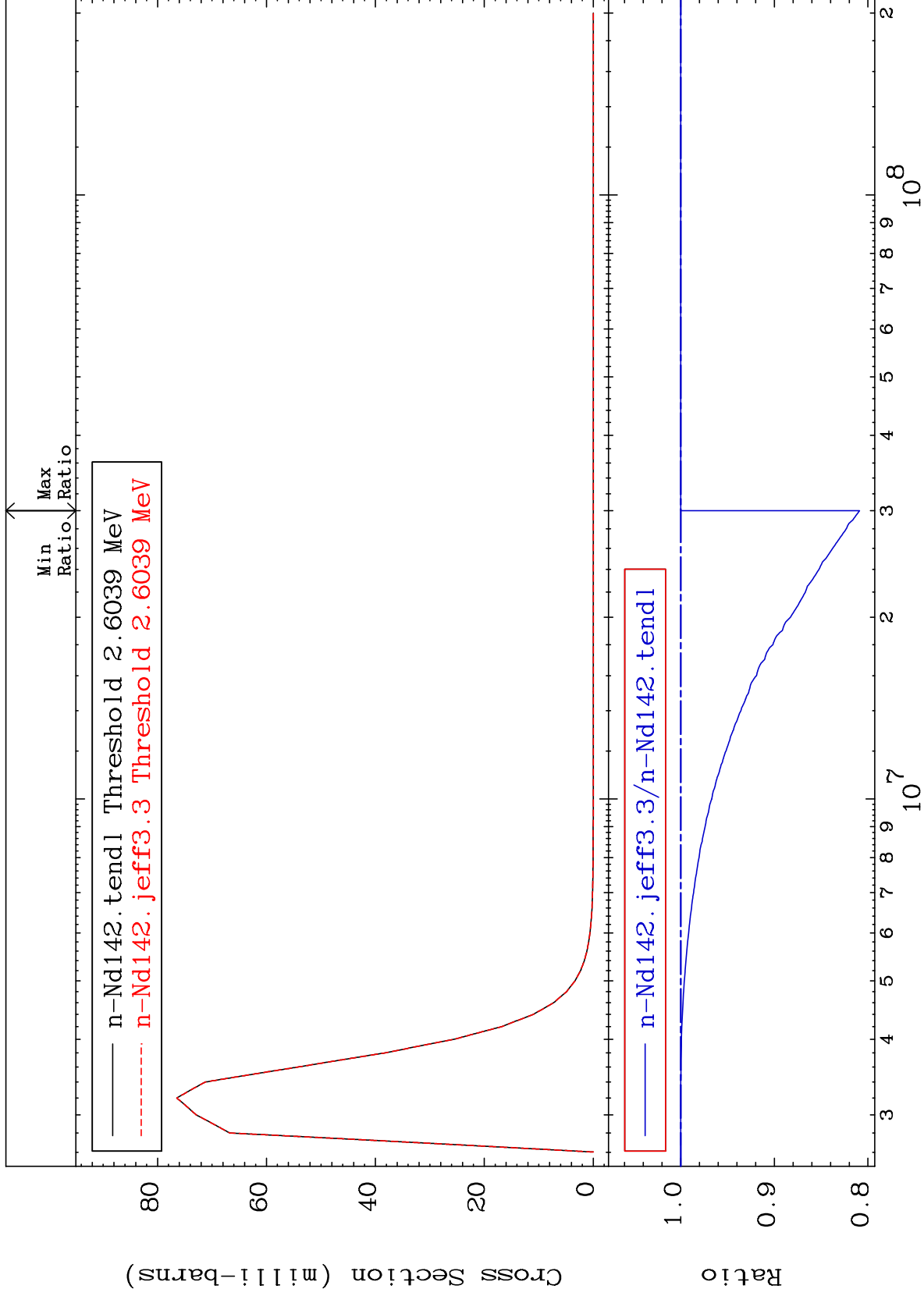
60-Nd-142
-0.282 To 0.000 %



MAT 6025

MT= 65 (n,n') Level
Cross Section

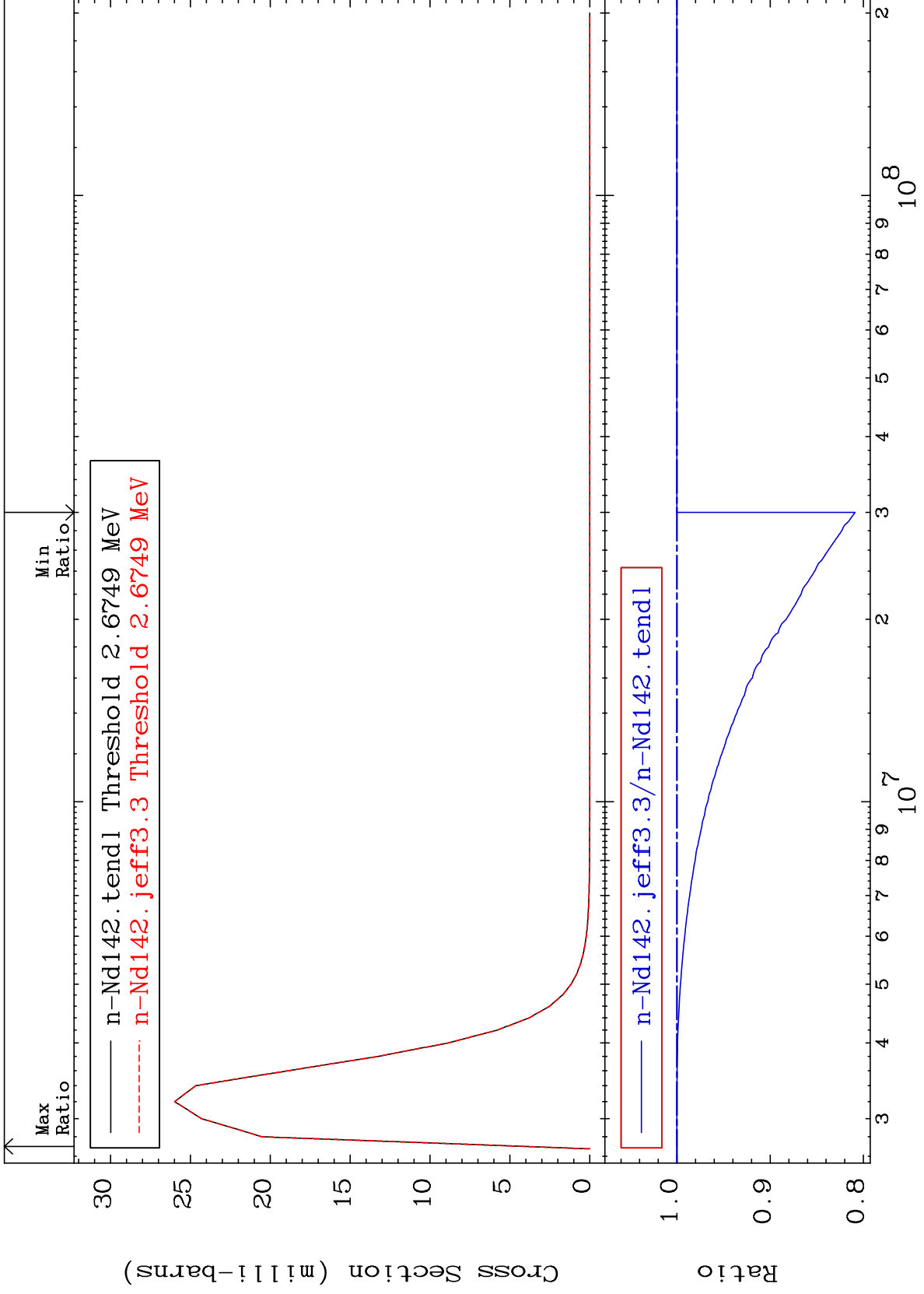
60-Nd-142
-19.10 To 0.000 %



MAT 6025

MT= 66 (n,n') Level
Cross Section

60-Nd-142
-19.10 To 0.000 %



35

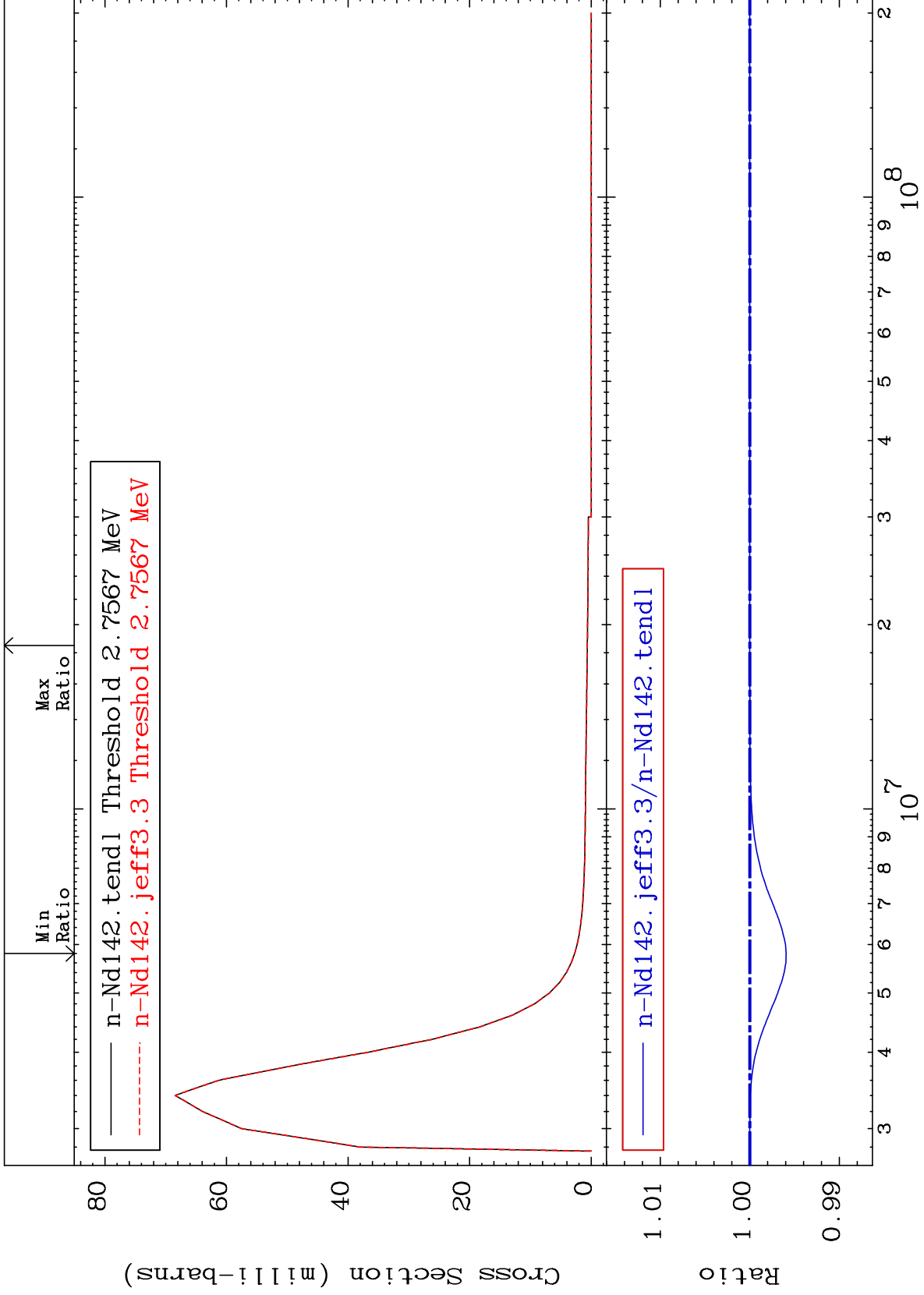
Incident Energy (eV)

60-Nd-142

MAT 6025

MT= 67 (n,n') Level
Cross Section

60-Nd-142
-0.405 To 0.000 %



36

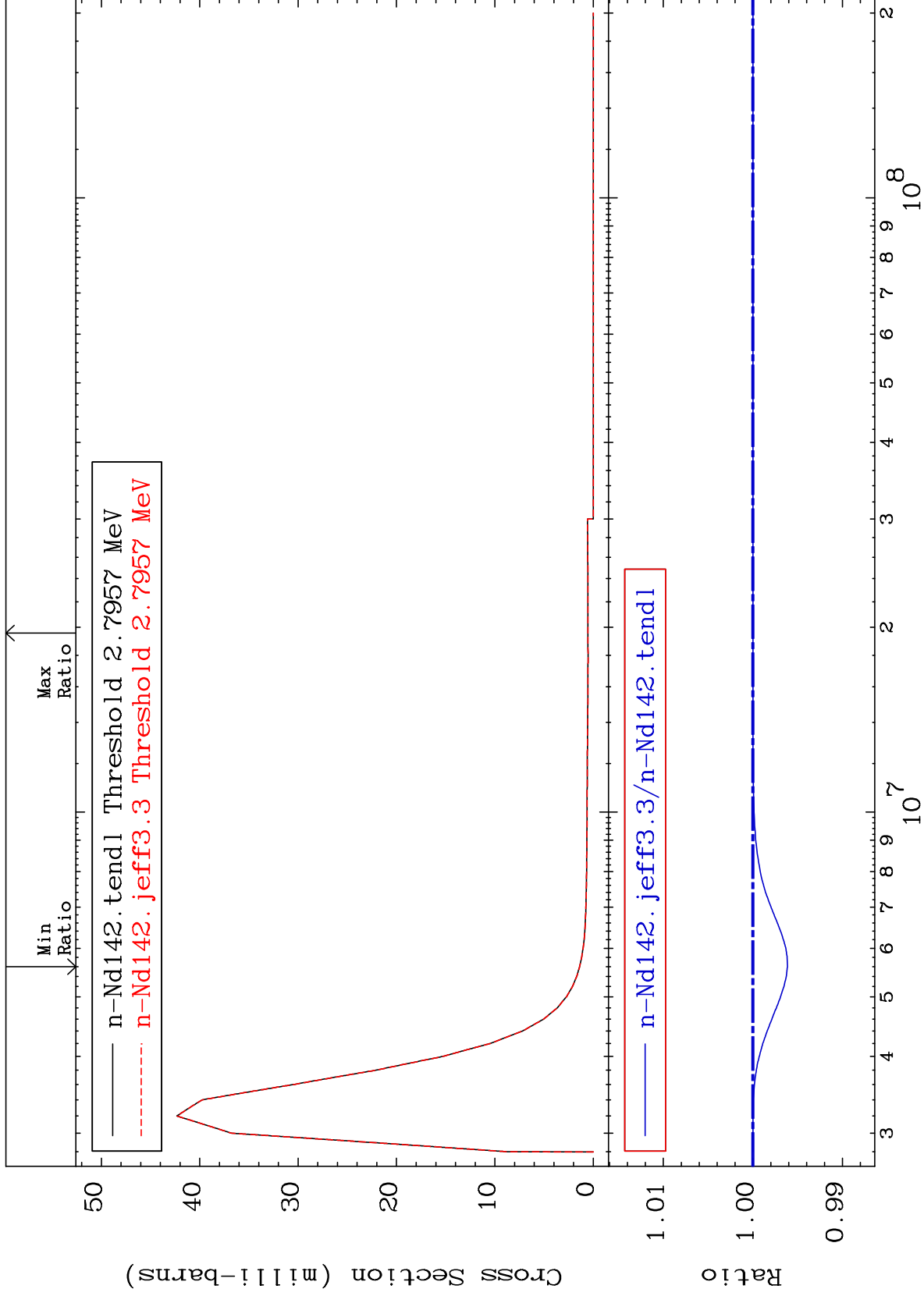
Incident Energy (eV)

60-Nd-142

MAT 6025

MT= 68 (n,n') Level
Cross Section

60-Nd-142
-0.385 To 0.000 %



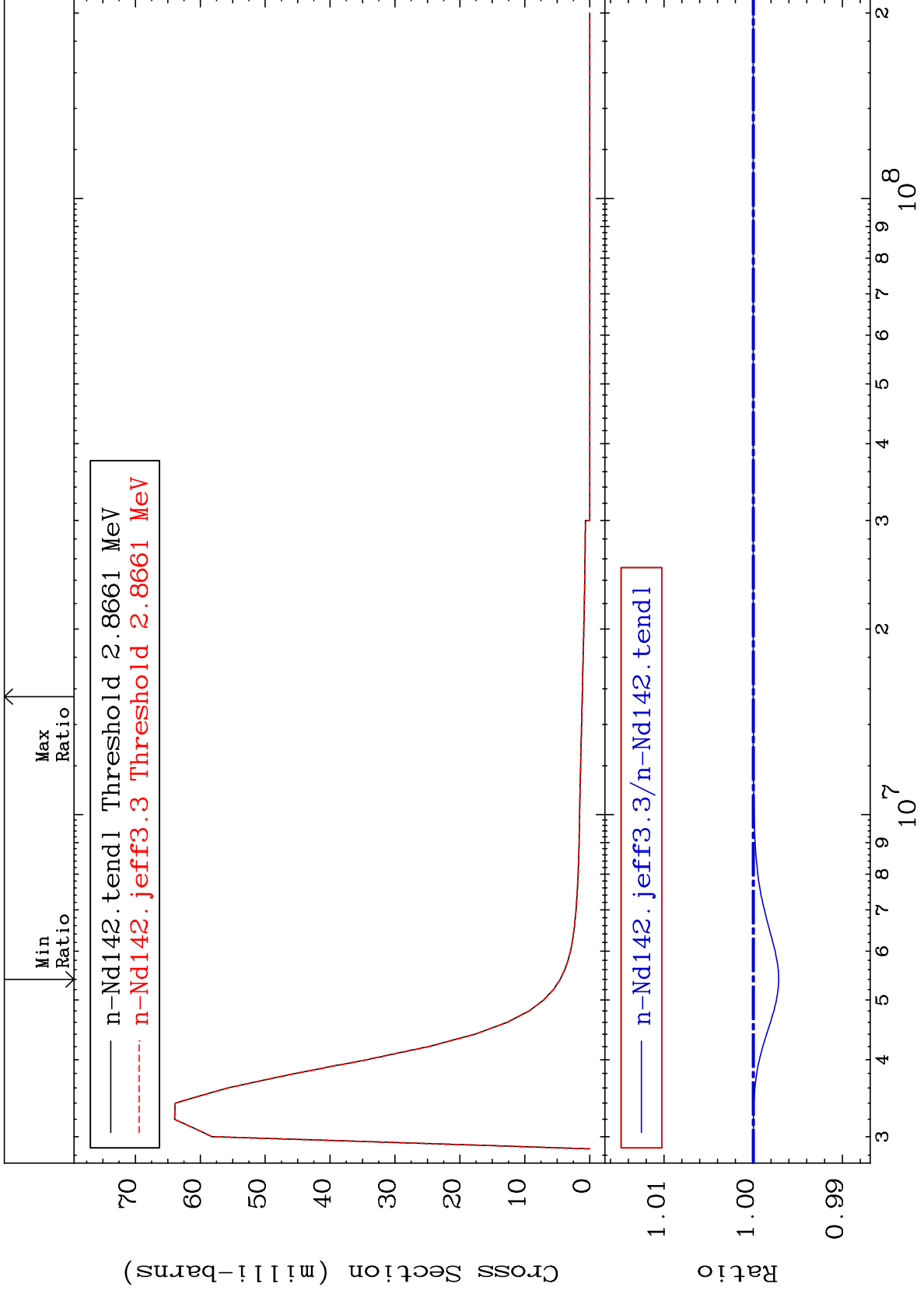
37

60-Nd-142

MAT 6025

MT= 69 (n,n') Level
Cross Section

60-Nd-142
-0.285 To 0.000 %



38

Incident Energy (eV)

60-Nd-142

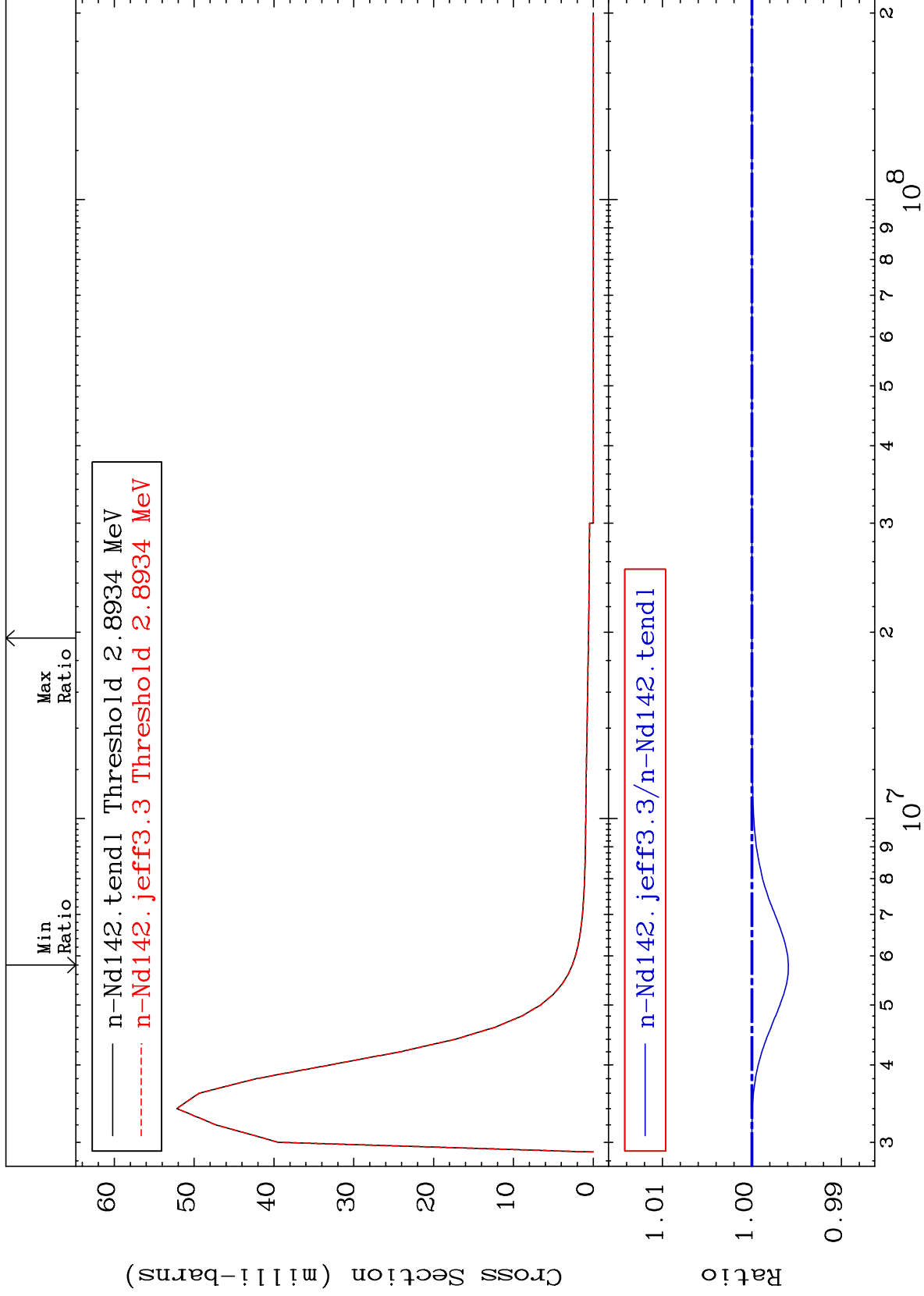
MAT 6025

MT= 70 (n,n') Level

60-Nd-142

-0.408 To 0.000 %

Cross Section



39

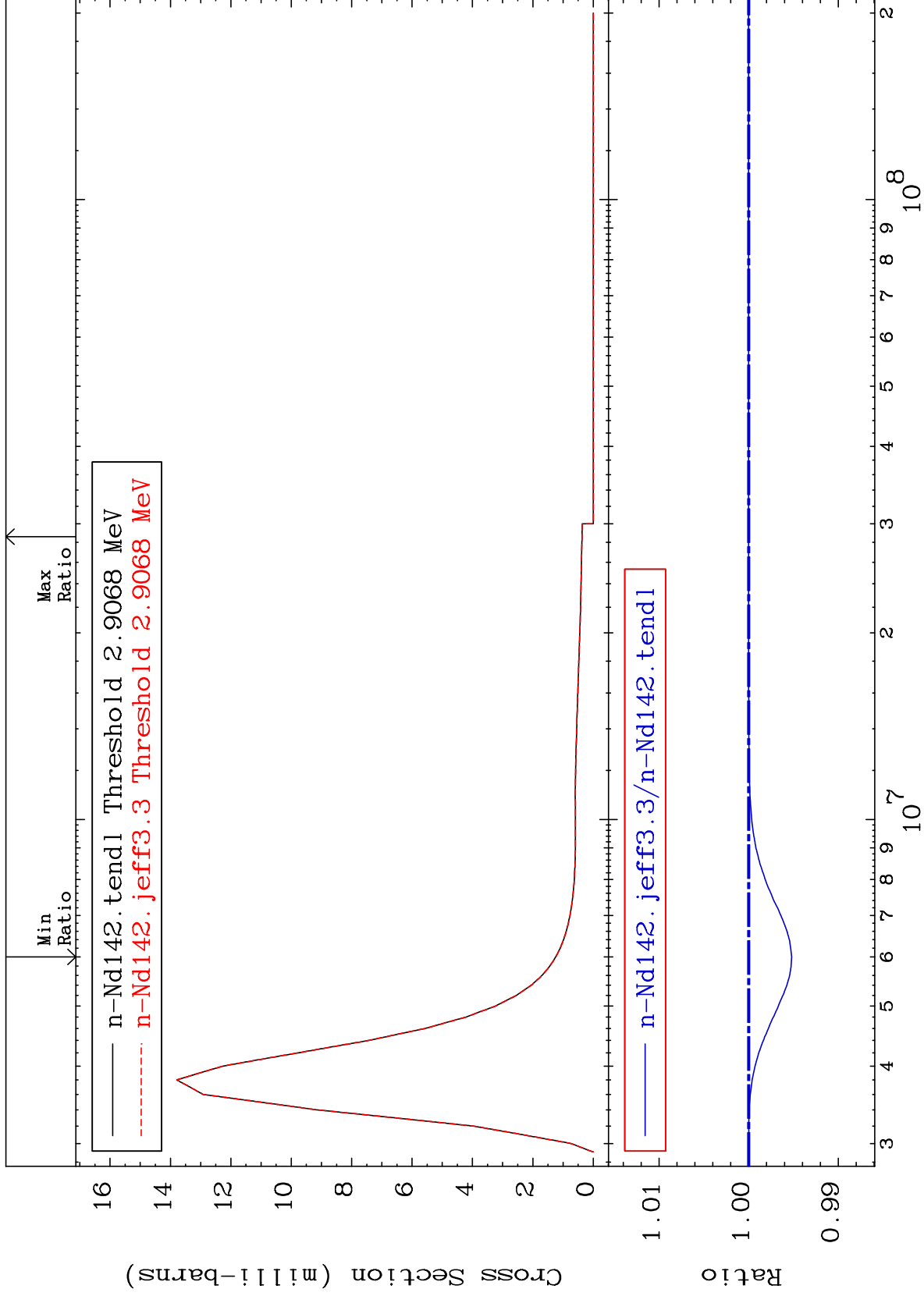
Incident Energy (eV)

60-Nd-142

MAT 6025

MT= 71 (n, n') Level
Cross Section

60-Nd-142
-0.480 To 0.000 %



40

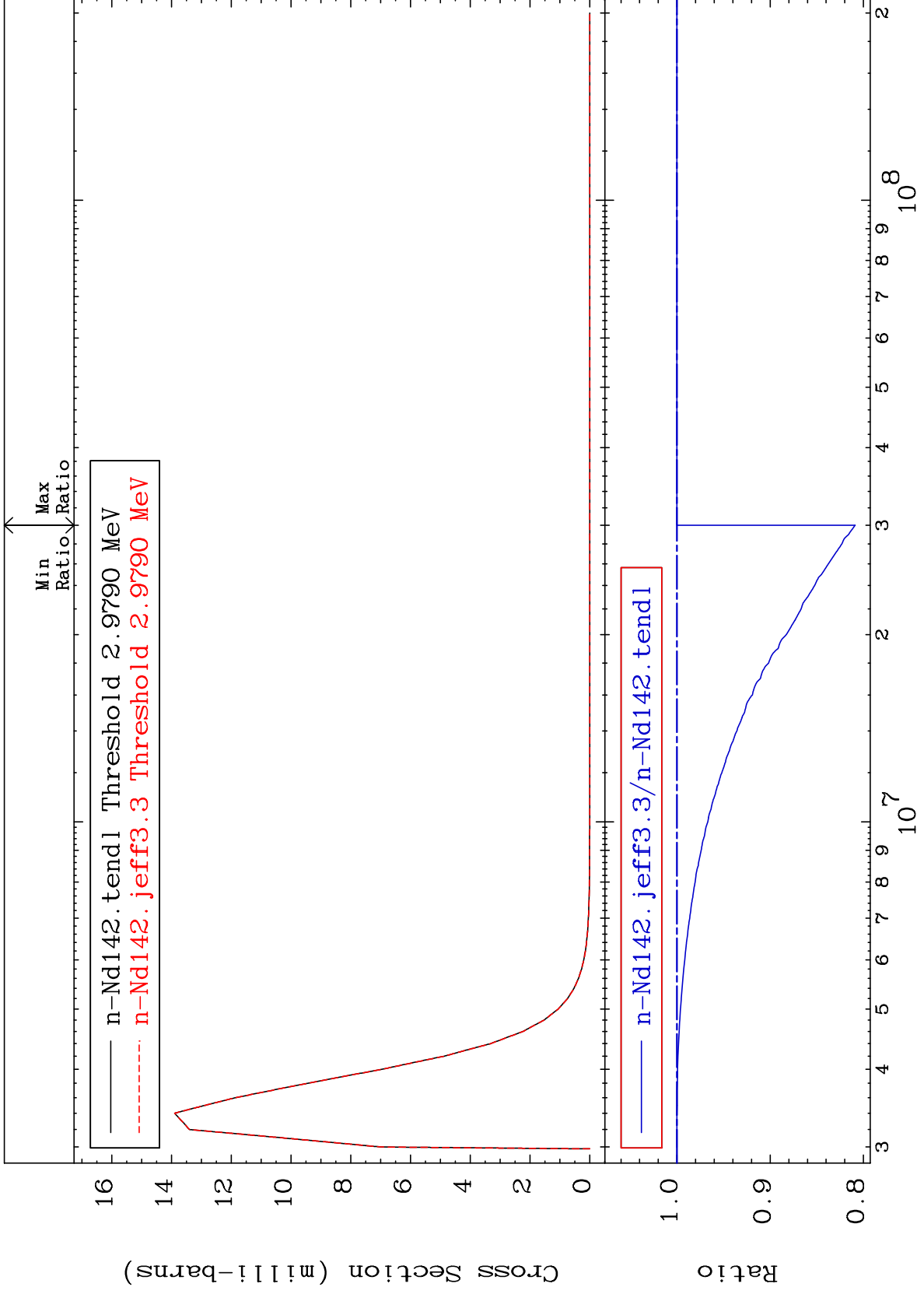
Incident Energy (eV)

60-Nd-142

MAT 6025

MT= 72 (n,n') Level
Cross Section

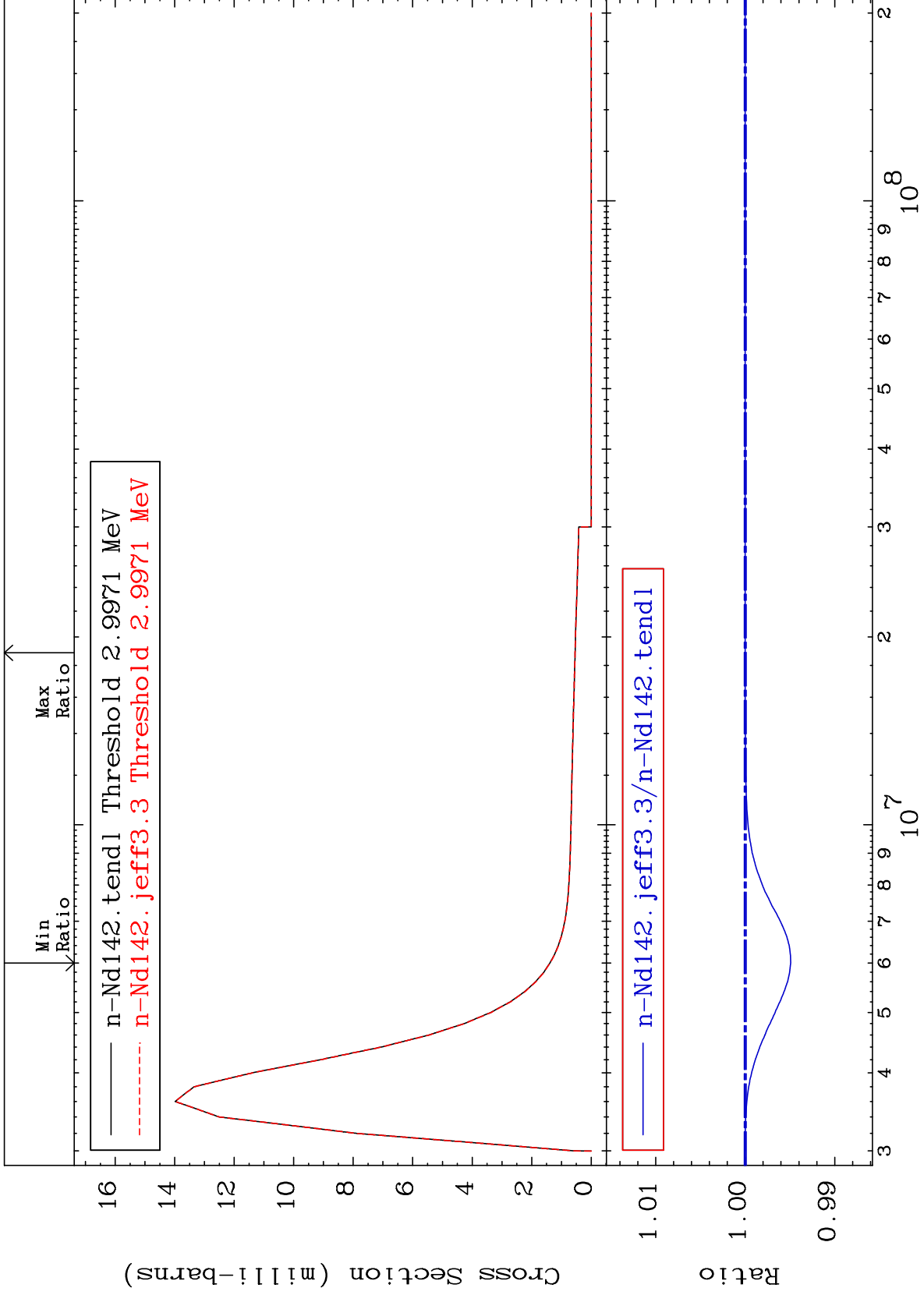
60-Nd-142
-19.10 To 0.000 %



MAT 6025

MT= 73 (n,n') Level
Cross Section

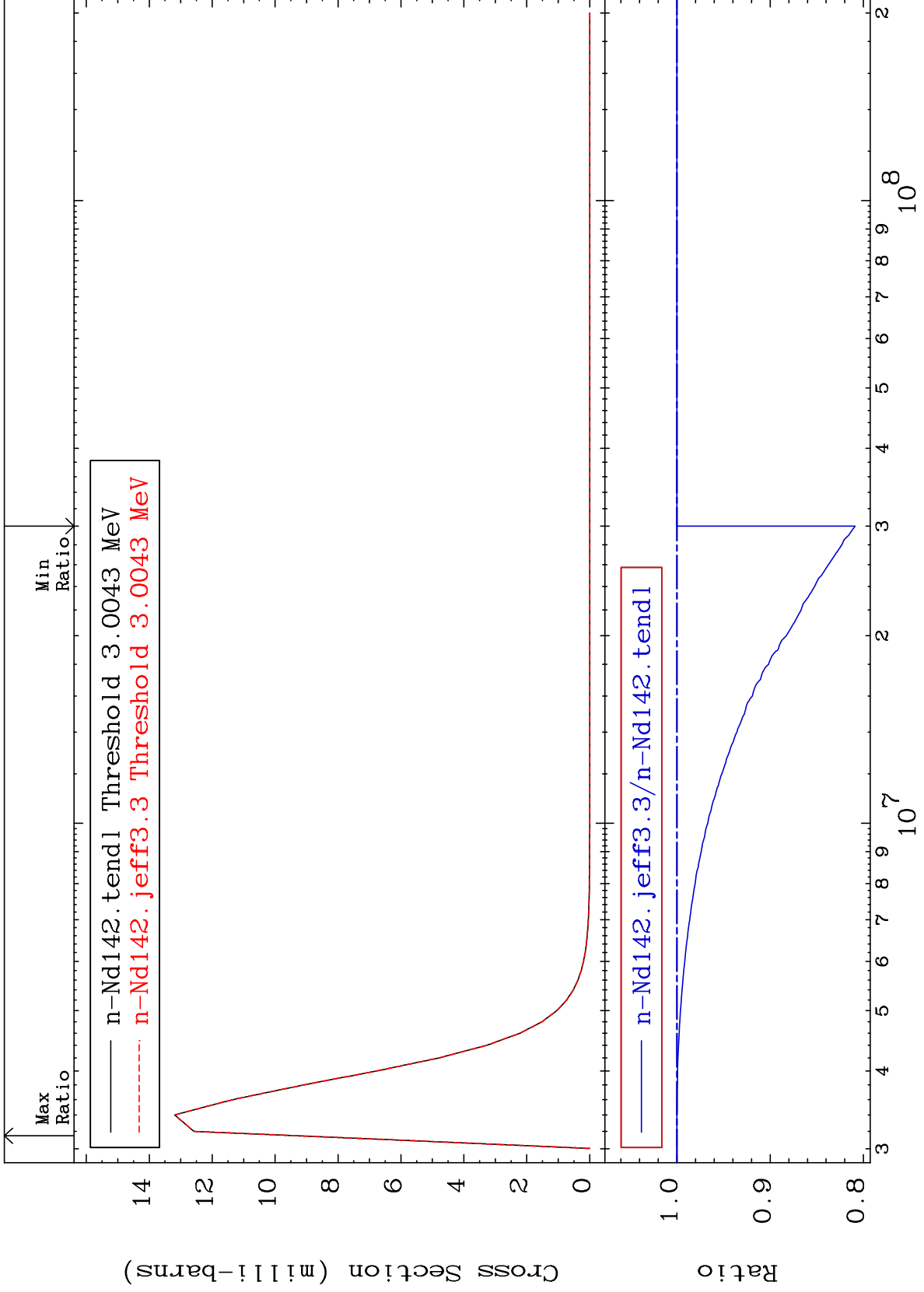
60-Nd-142
-0.508 To 0.000 %



MAT 6025

MT= 74 (n, n') Level
Cross Section

60-Nd-142
-19.10 To 0.000 %



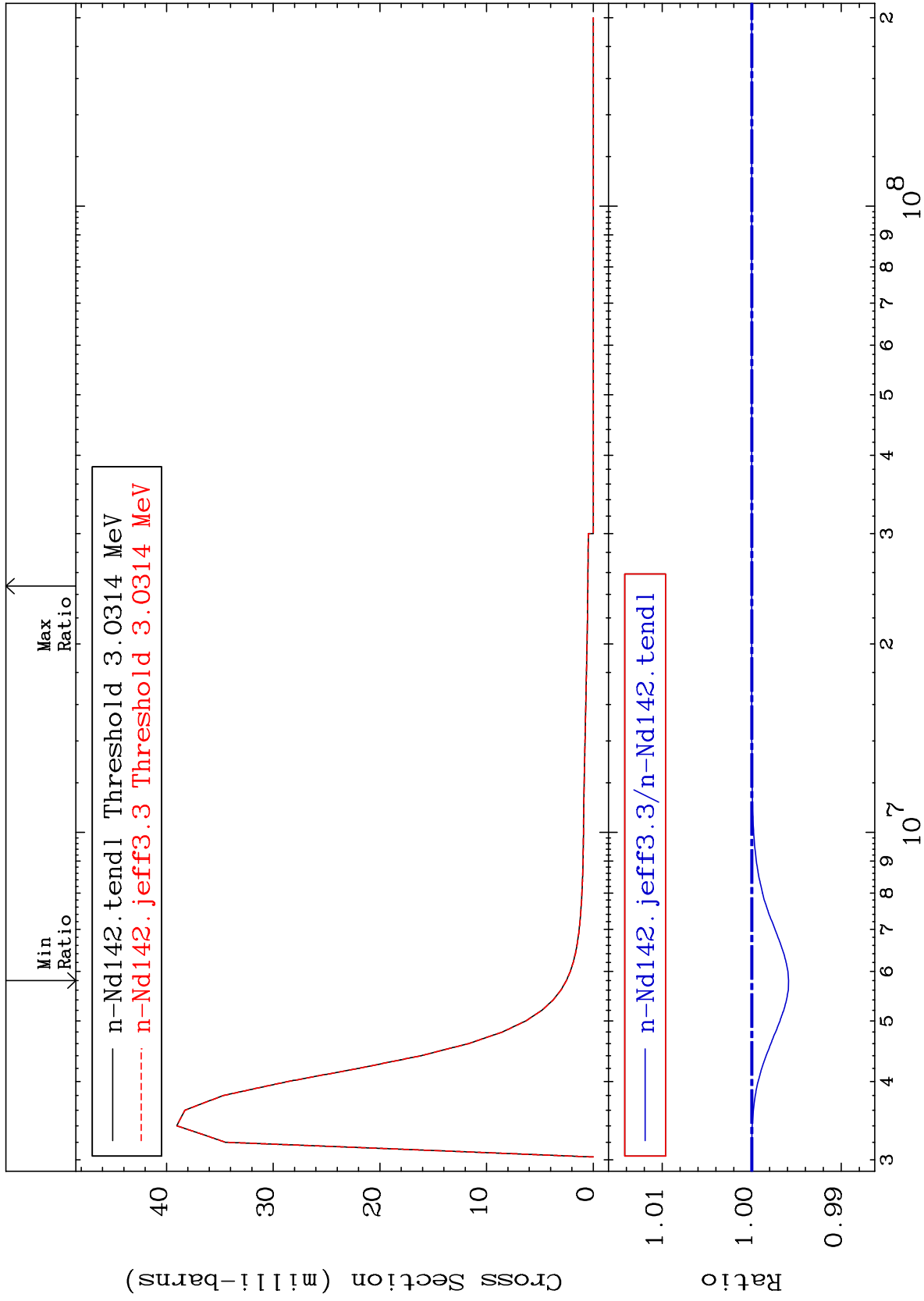
MAT 6025

MT= 75 (n,n') Level

60-Nd-142

-0.411 To 0.000 %

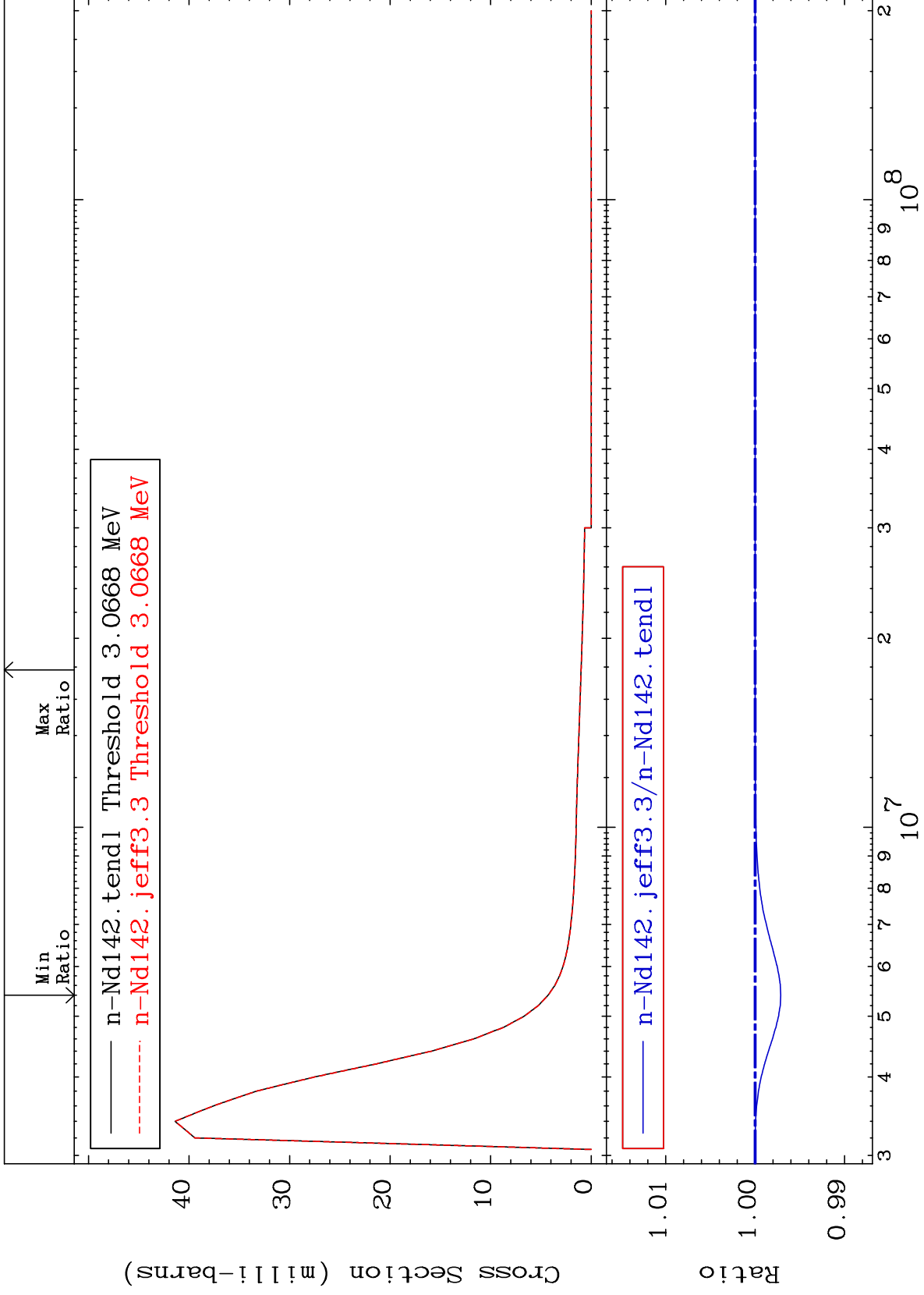
Cross Section



MAT 6025

MT= 76 (n,n') Level
Cross Section

60-Nd-142
-0.287 To 0.000 %



45

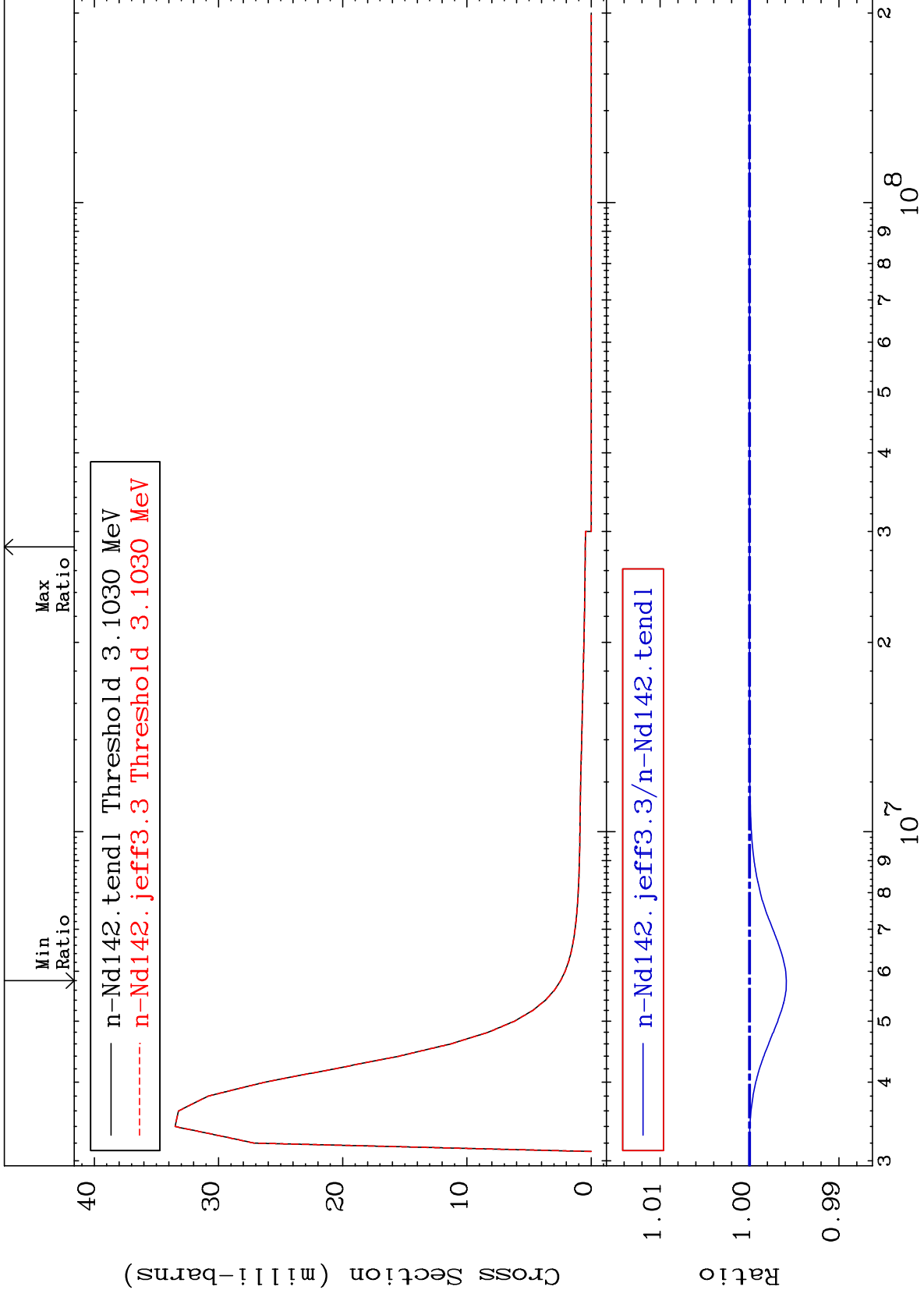
Incident Energy (eV)

60-Nd-142

MAT 6025

MT= 77 (n,n') Level
Cross Section

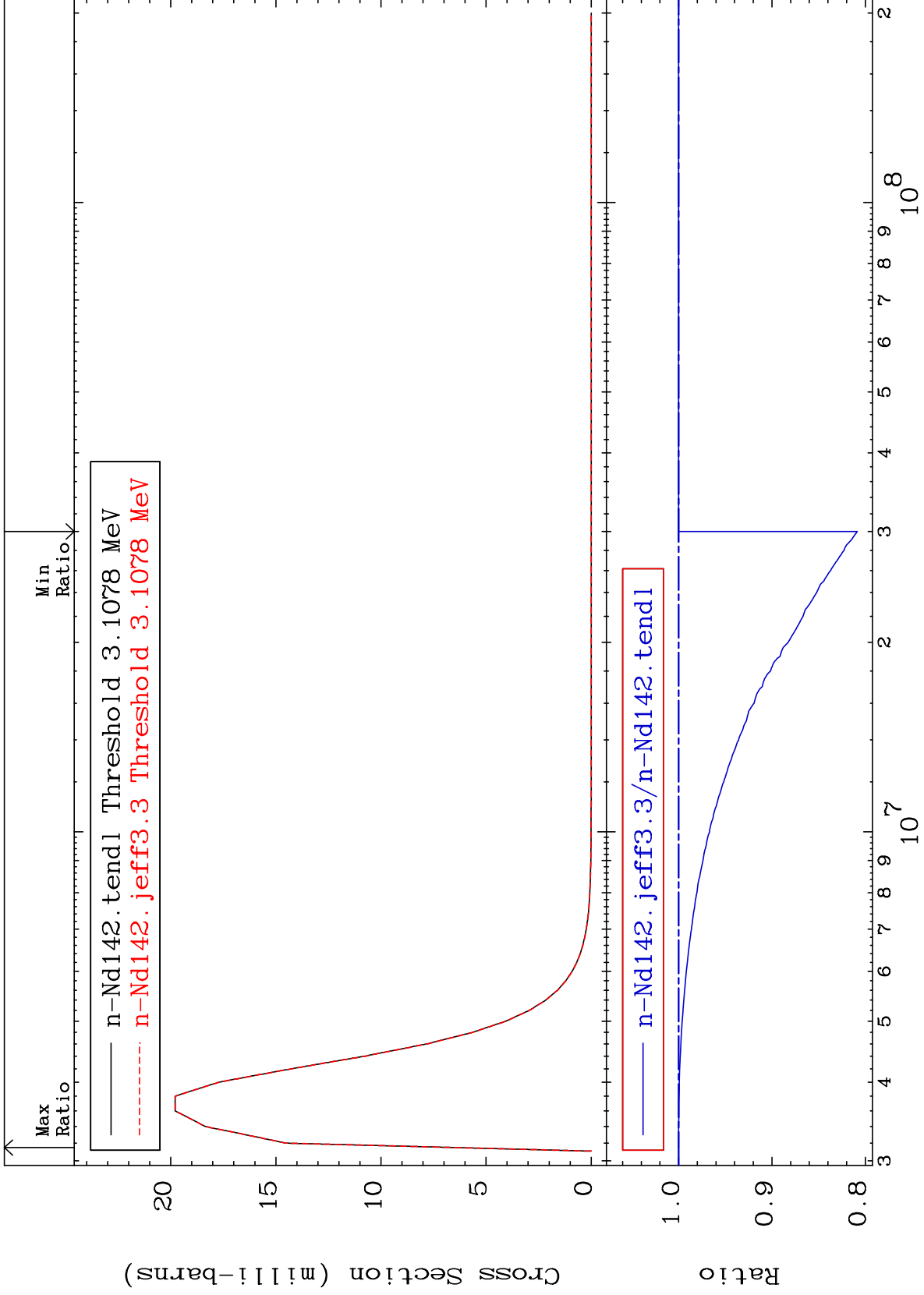
60-Nd-142
-0.413 To 0.000 %



MAT 6025

MT= 78 (n, n') Level
Cross Section

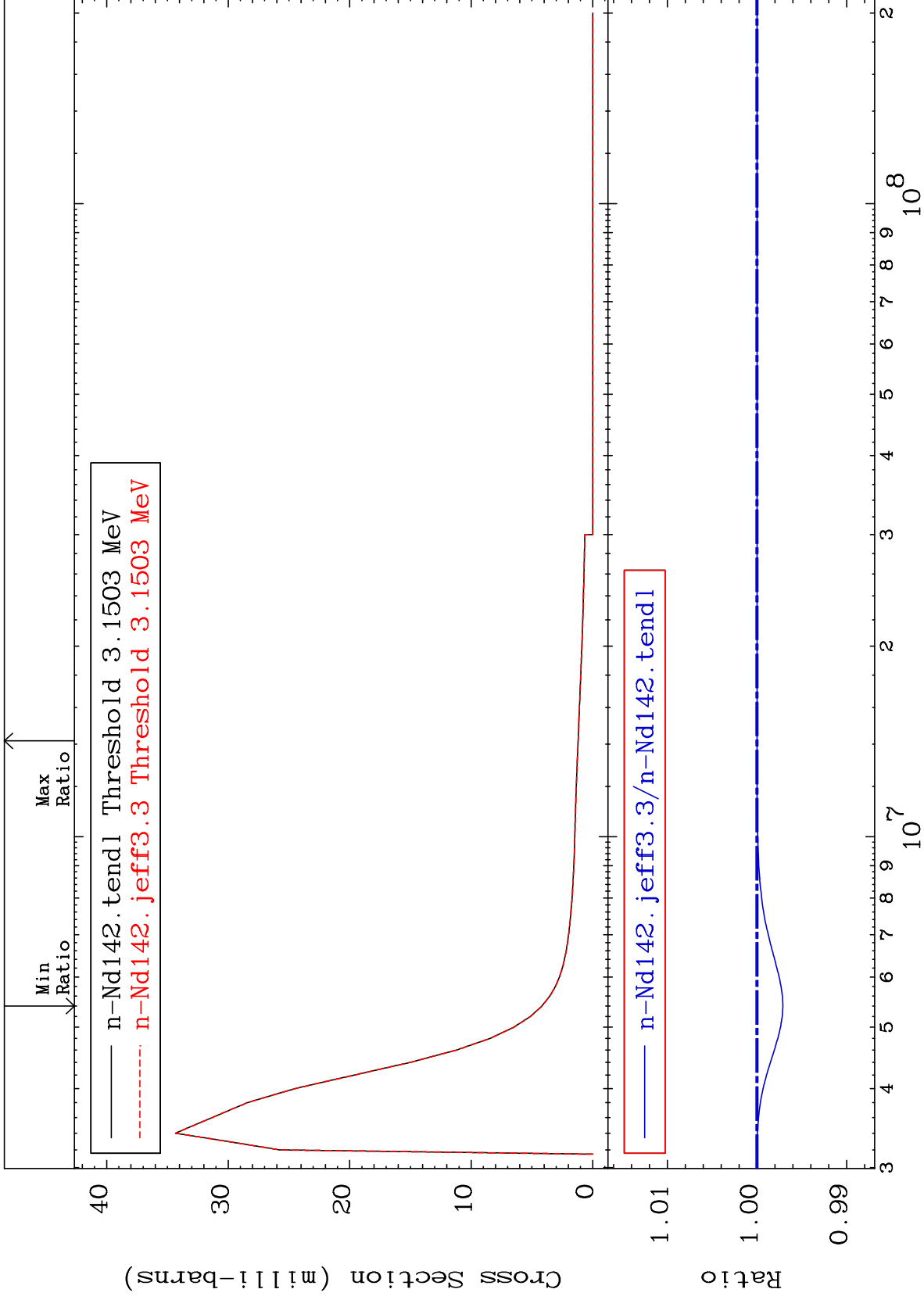
60-Nd-142
-19.14 To 0.000 %



MAT 6025

MT= 79 (n,n') Level
Cross Section

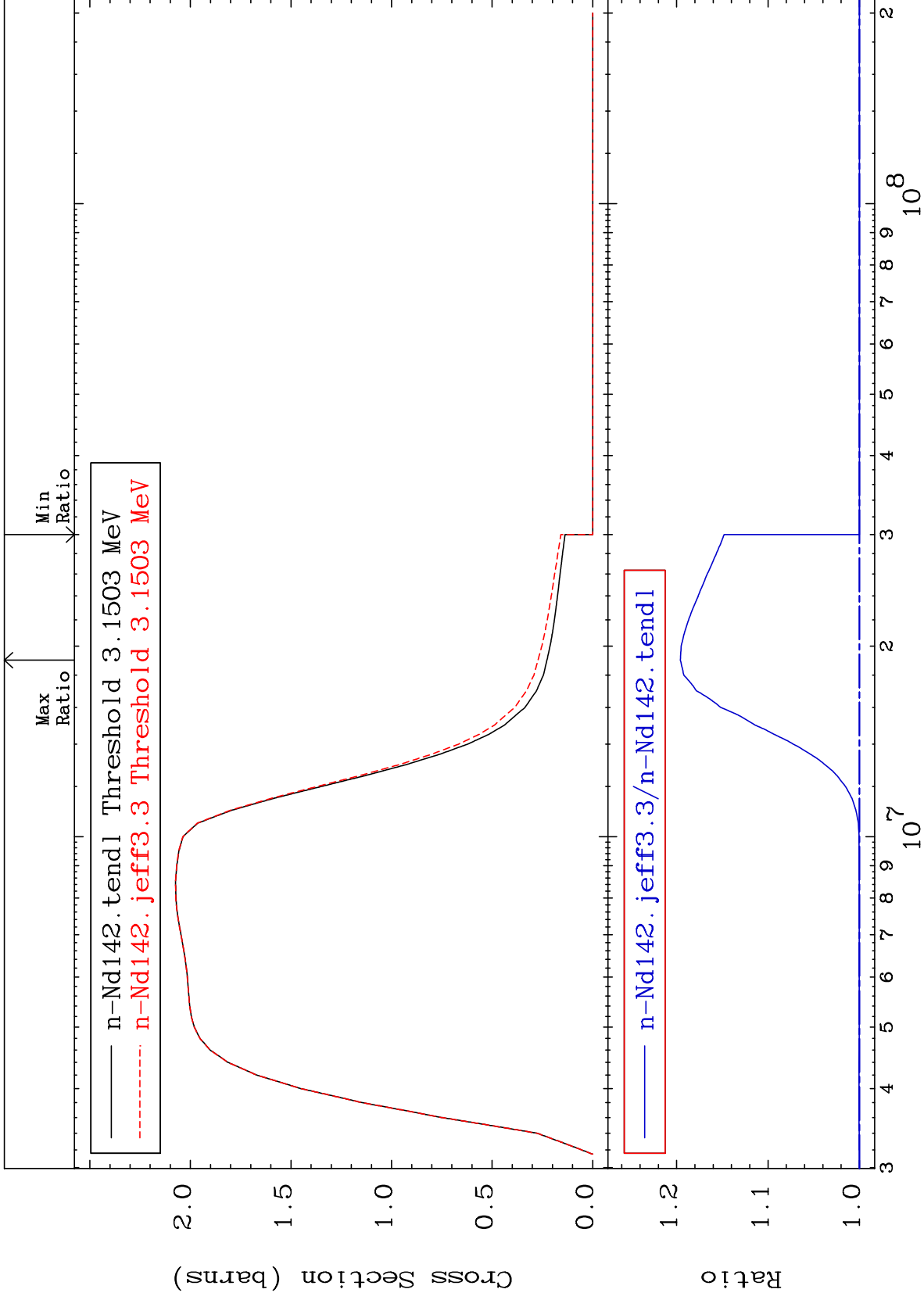
60-Nd-142
-0.289 To 0.000 %



MAT 6025

(n, n') Continuum
Cross Section

60-Nd-142
To 19.59 %



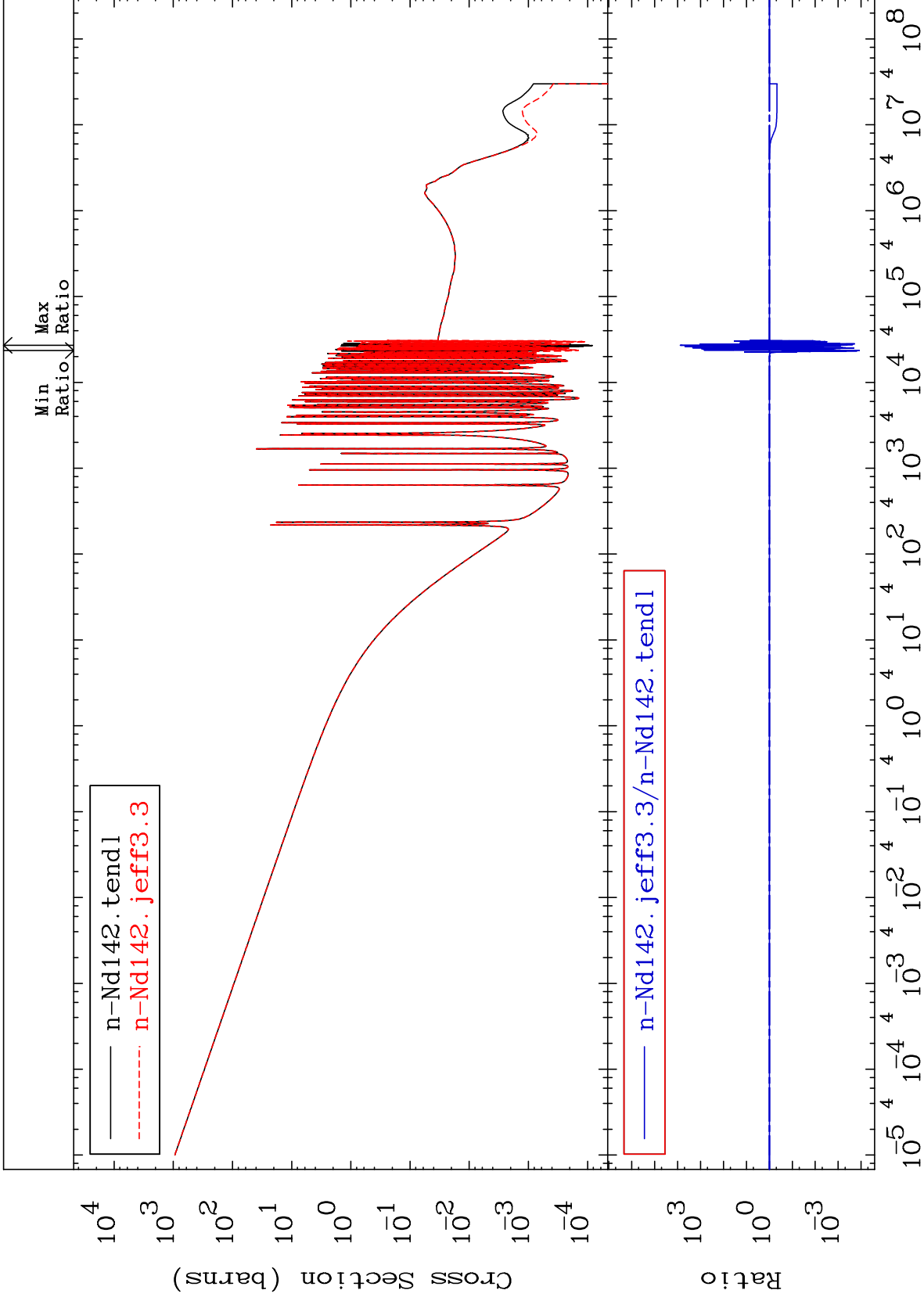
MAT 6025

(n, γ)

60-Nd-142

Cross Section

-99.99 To 9999. %



50

Incident Energy (eV)

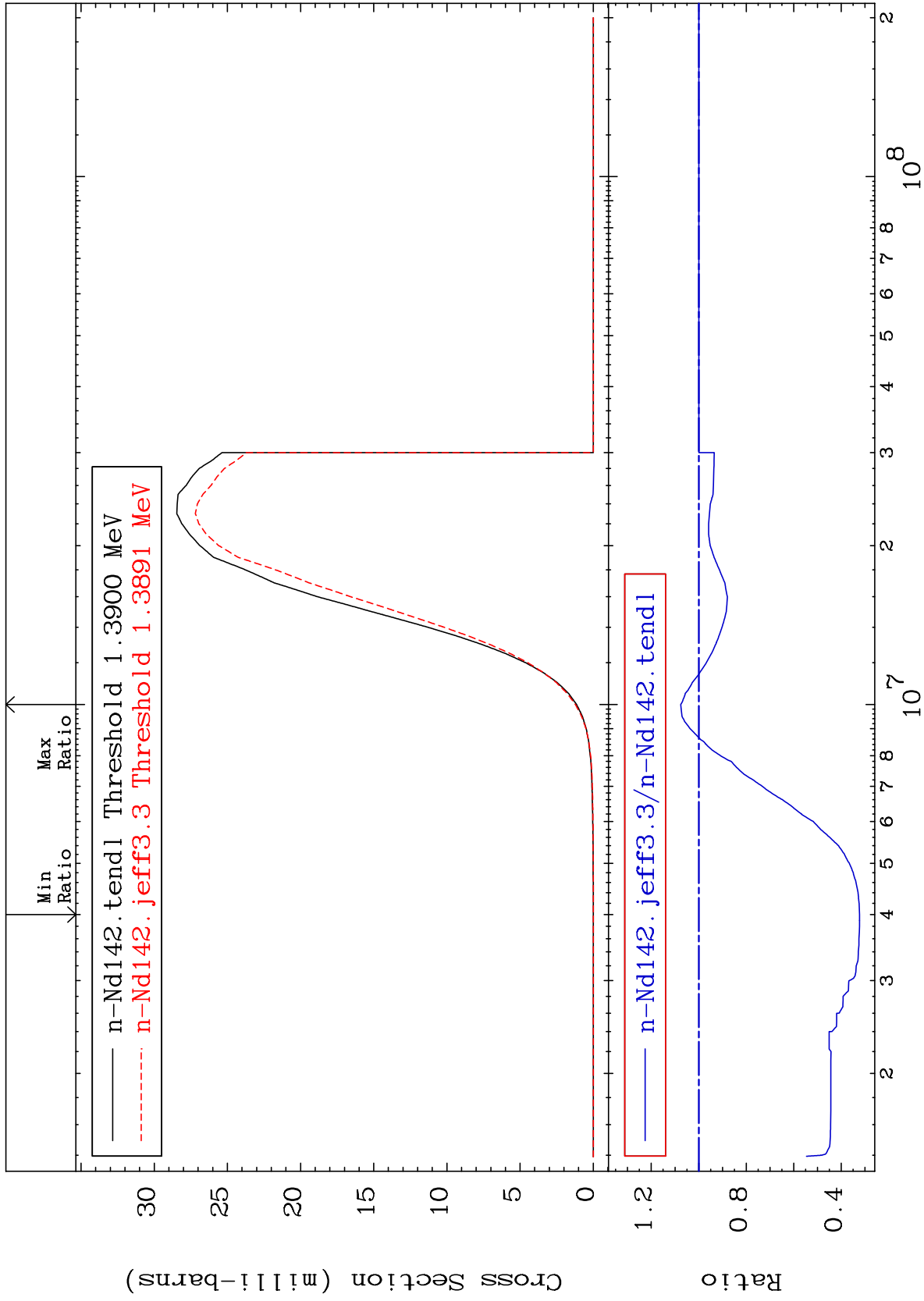
60-Nd-142

MAT 6025

60-Nd-142

-67.68 To 7.572 %

(n,p)
Cross Section



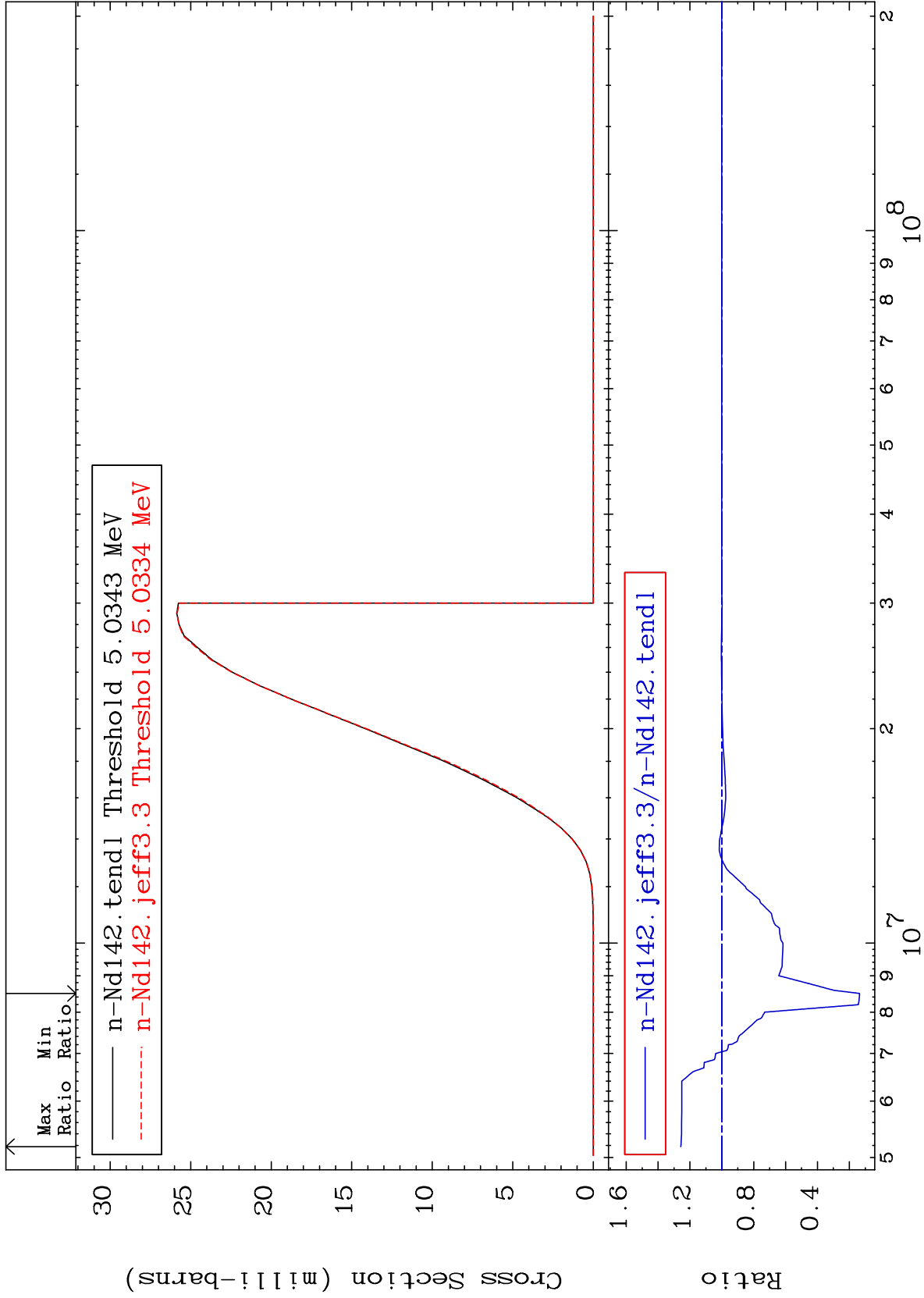
MAT 6025

(n, d)

60-Nd-142

Cross Section

-86.41 To 25.75 %



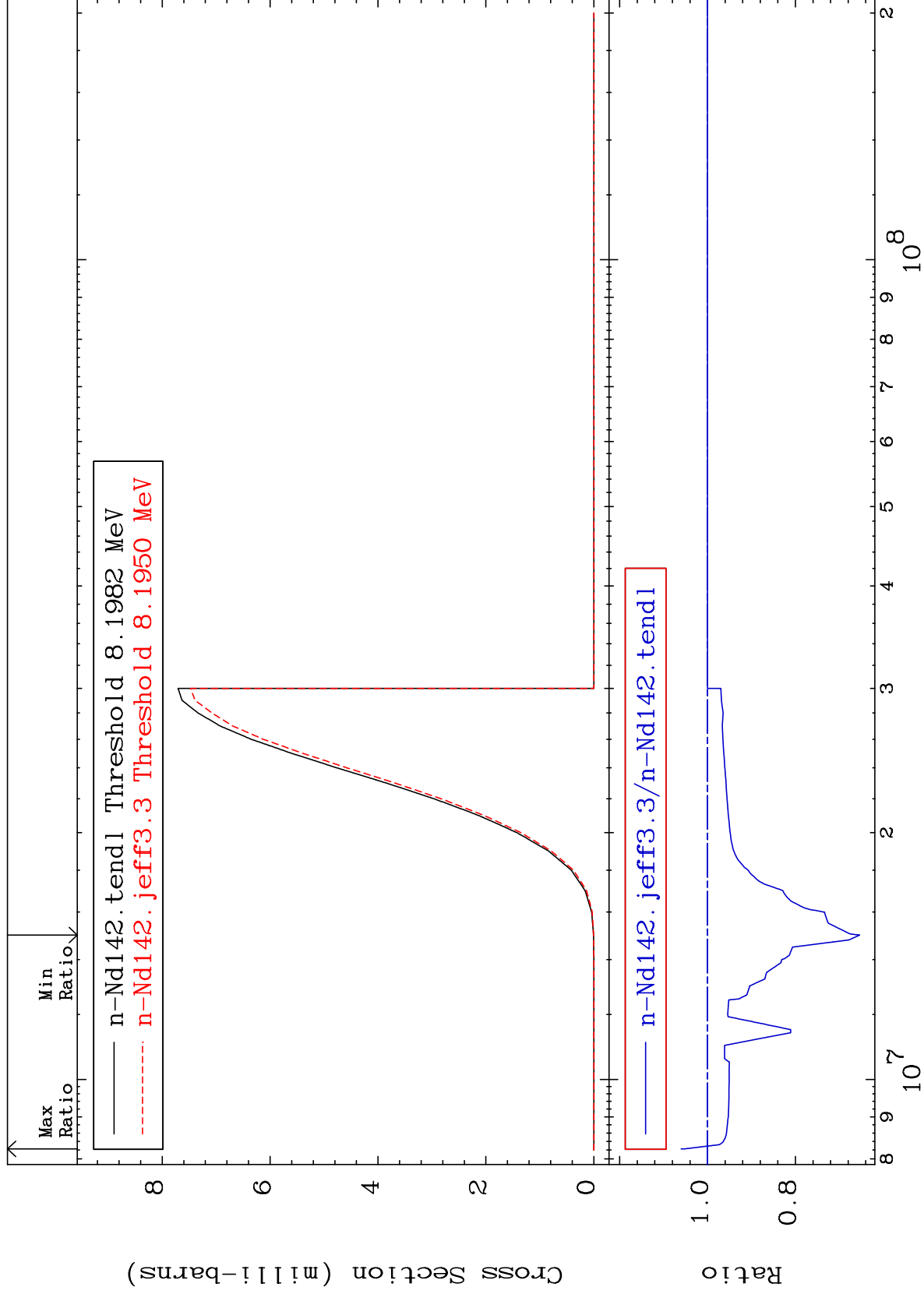
MAT 6025

(n, t)

60-Nd-142

Cross Section

-34.62 To 6.000 %



53

60-Nd-142

60-Nd-142

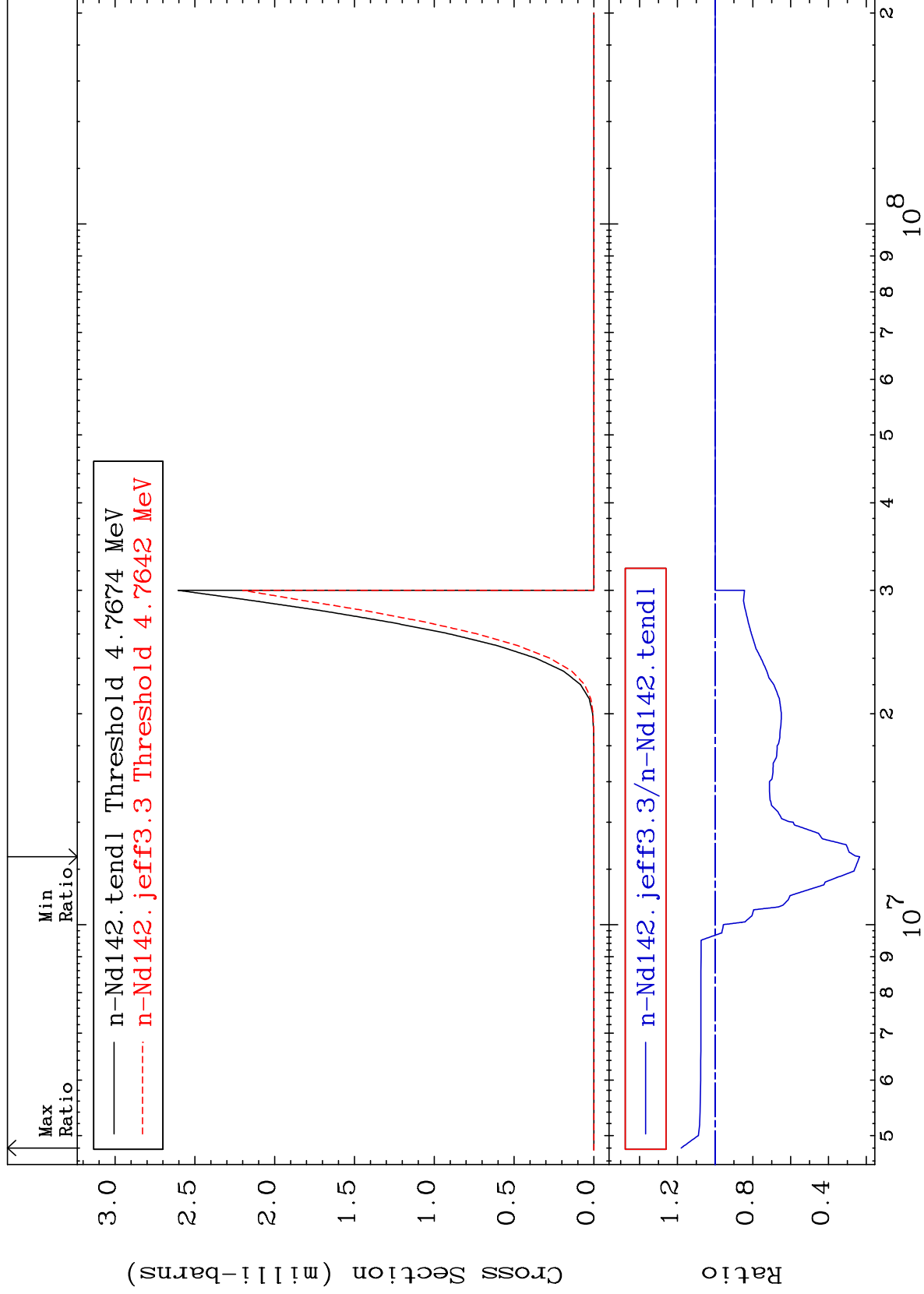
MAT 6025

(n, He-3)

60-Nd-142

Cross Section

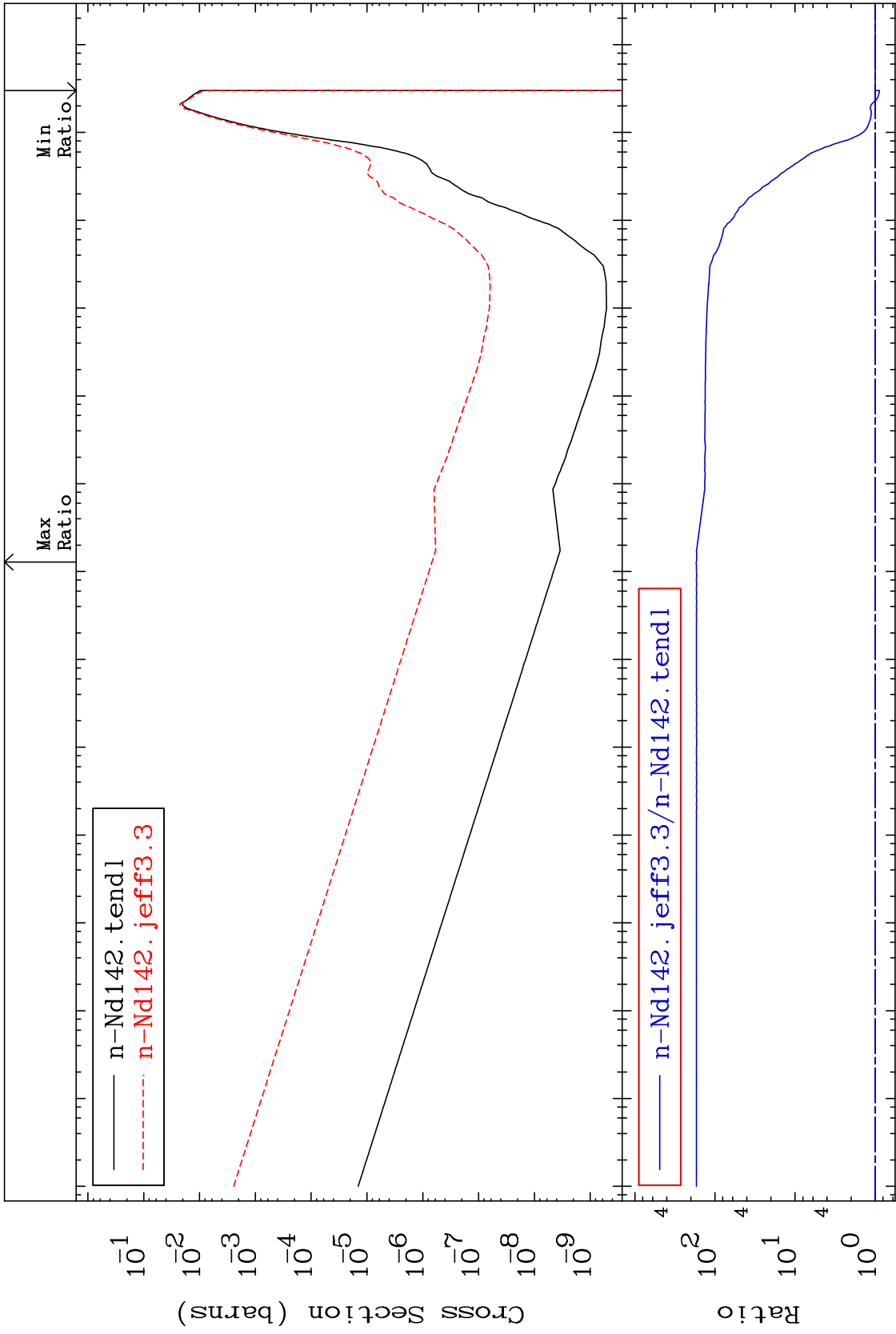
-76.50 To 17.96 %

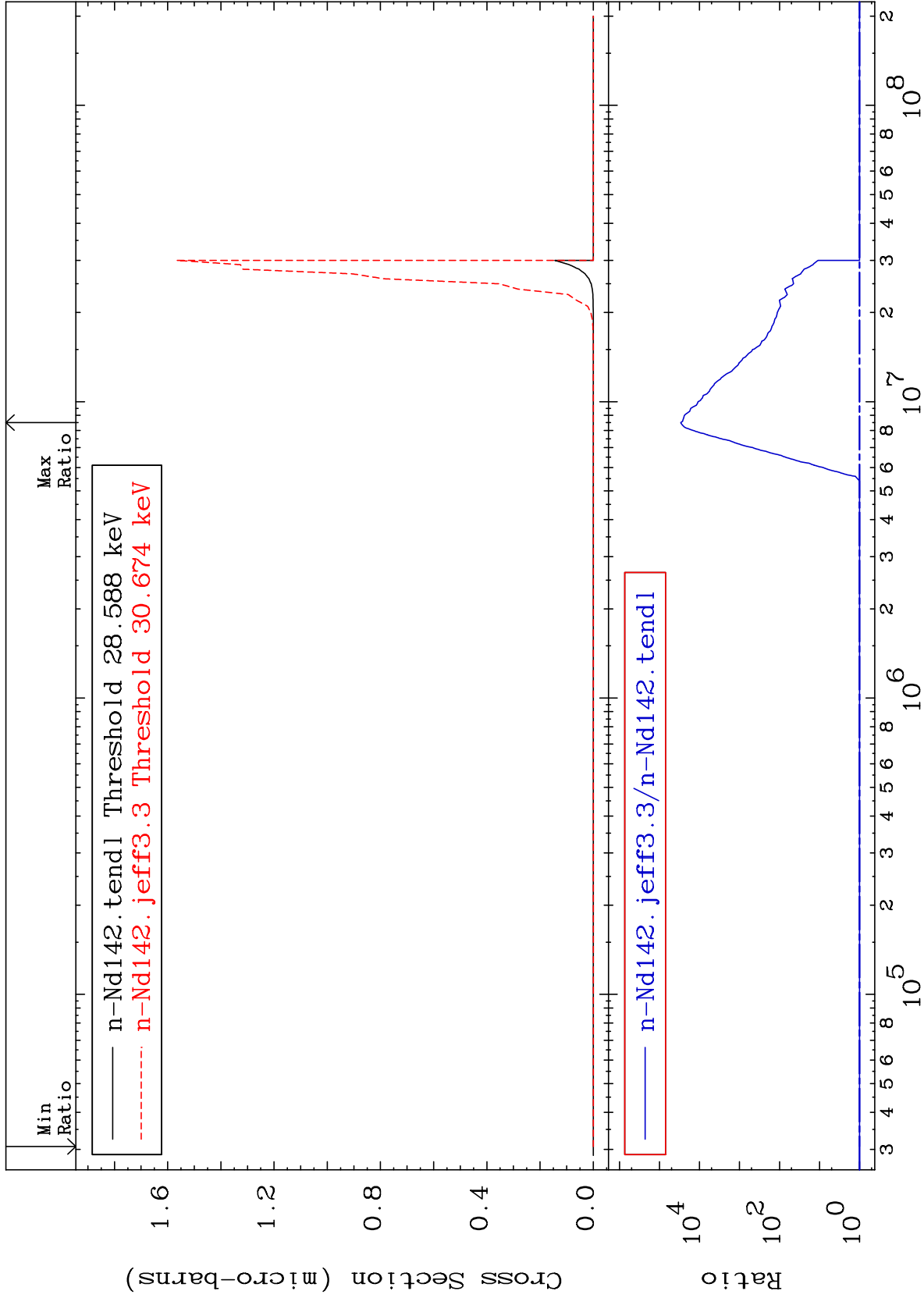


MAT 6025

(n, α)
Cross Section

60-Nd-142
-11.79 To 9999. %

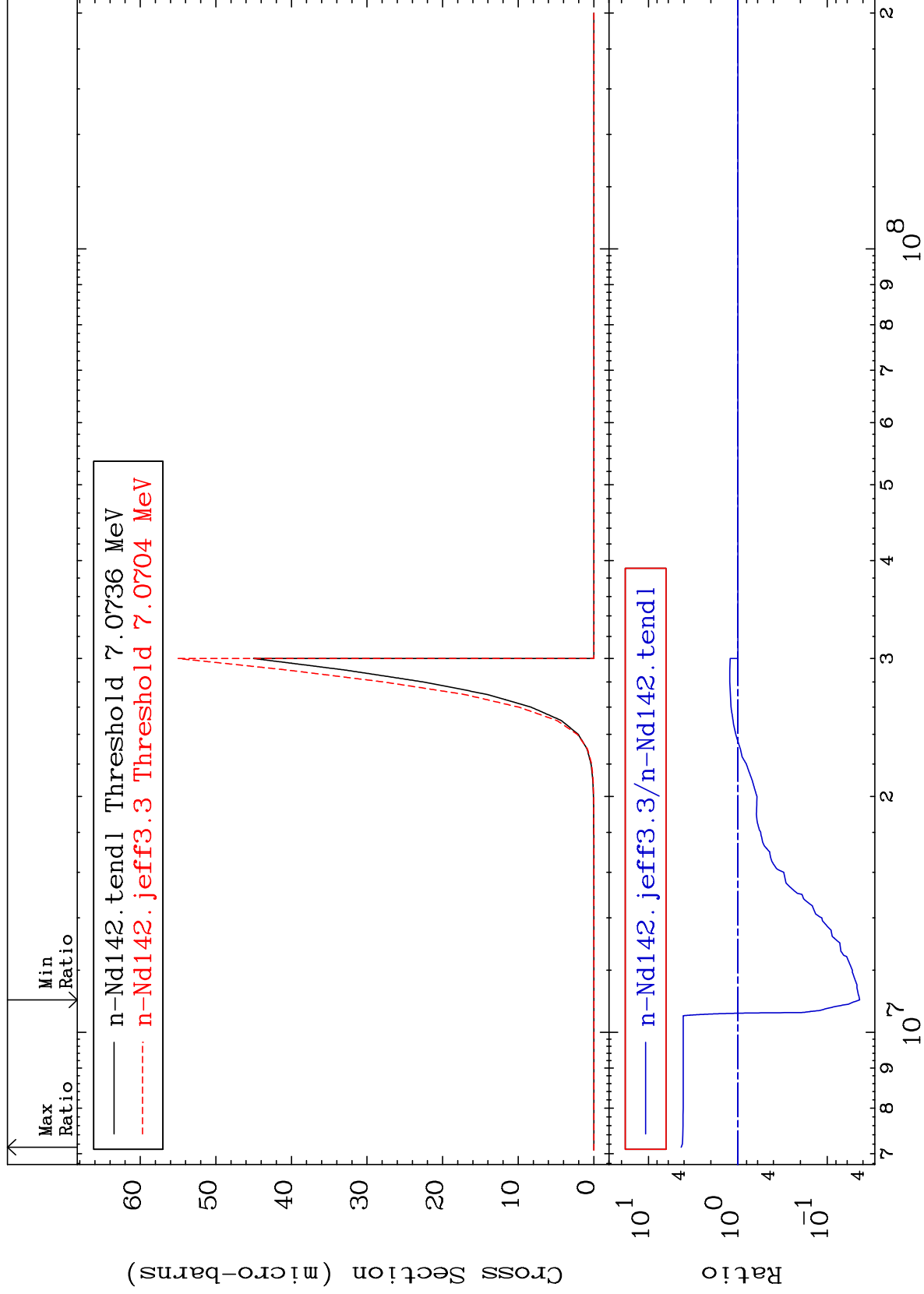


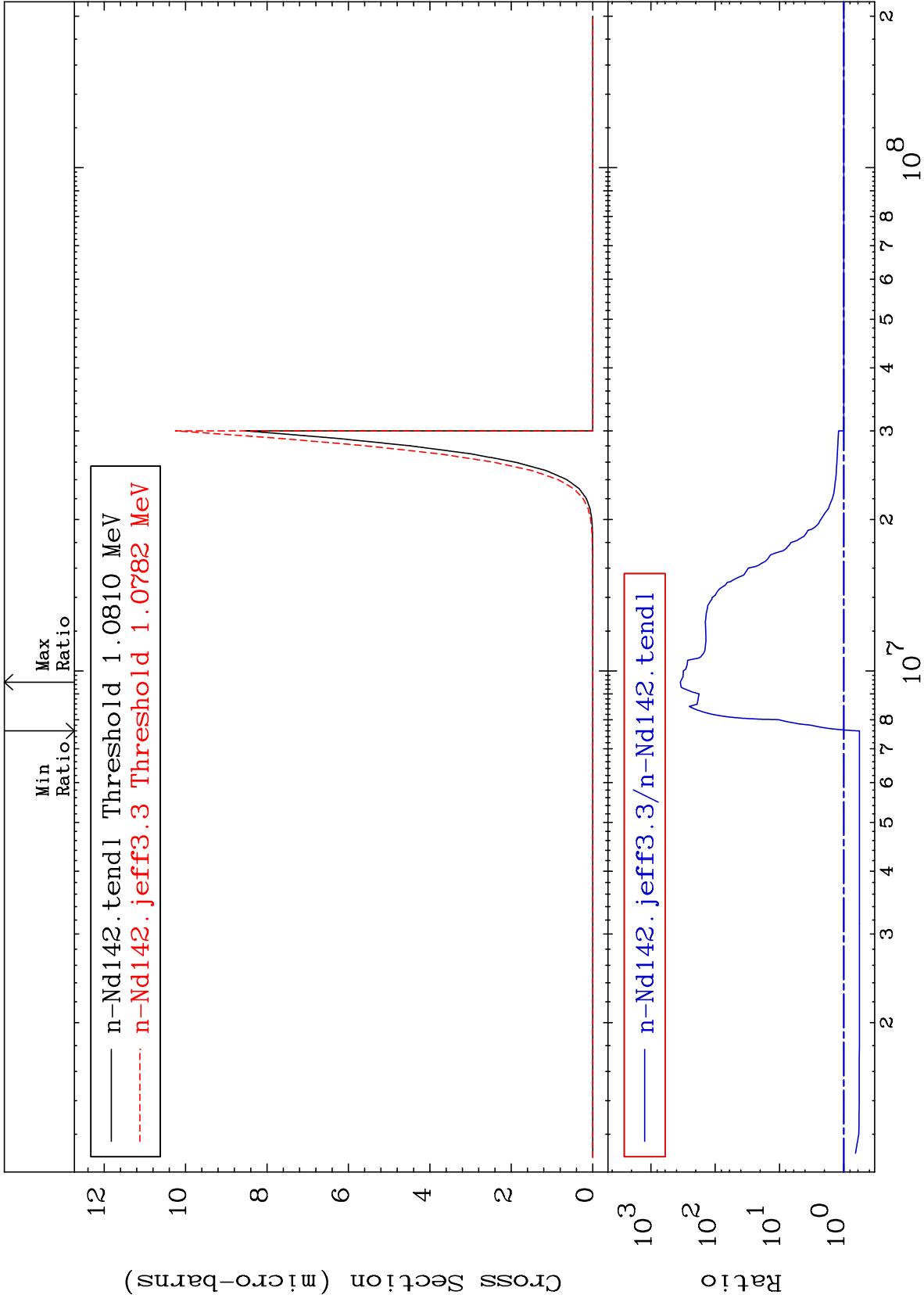


MAT 6025

(n,2p)
Cross Section

60-Nd-142
-95.65 To 330.4 %





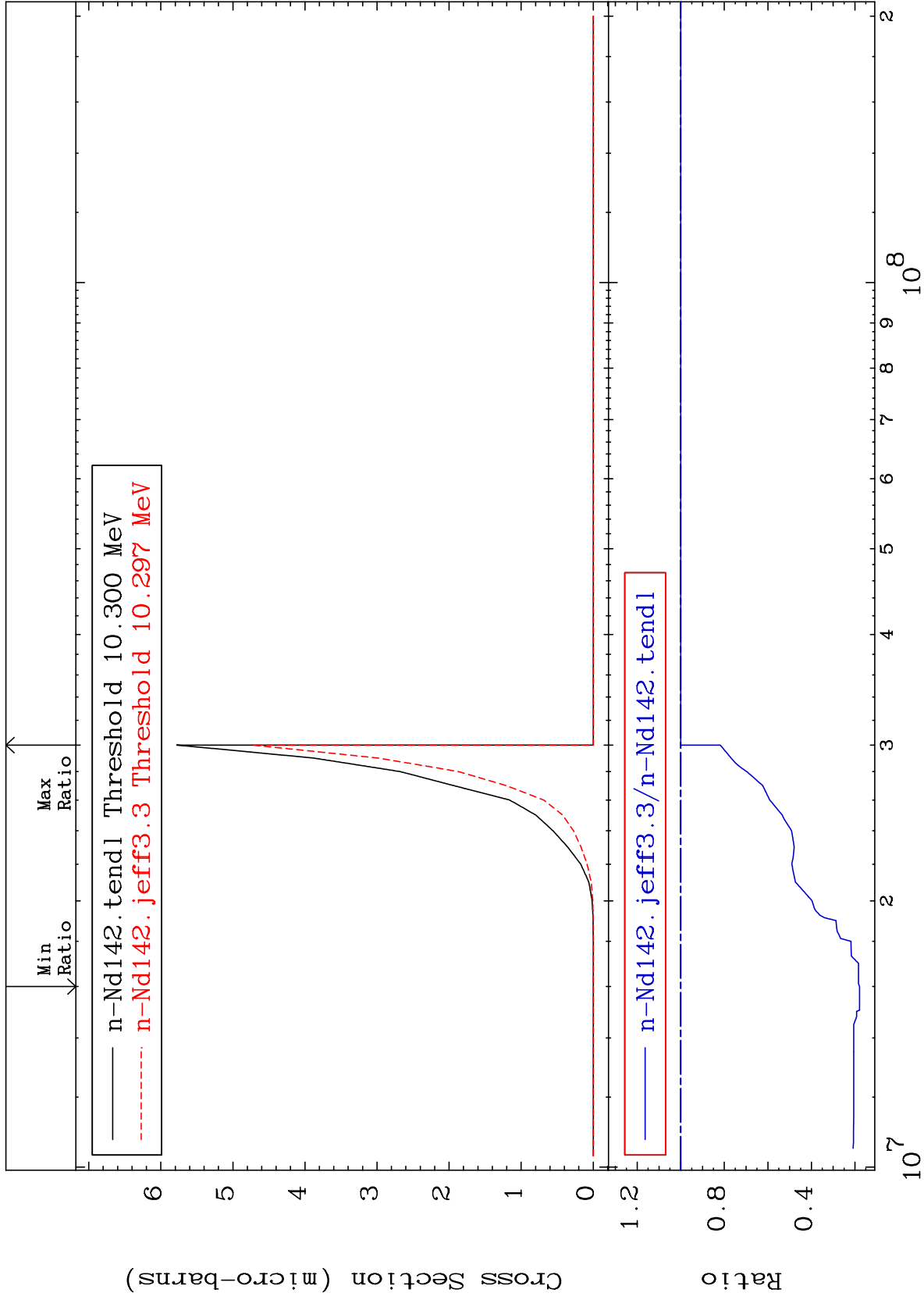
MAT 6025

(n, p) d

60-Nd-142

Cross Section

-82.11 To 0.000 %



59

Incident Energy (eV)

60-Nd-142

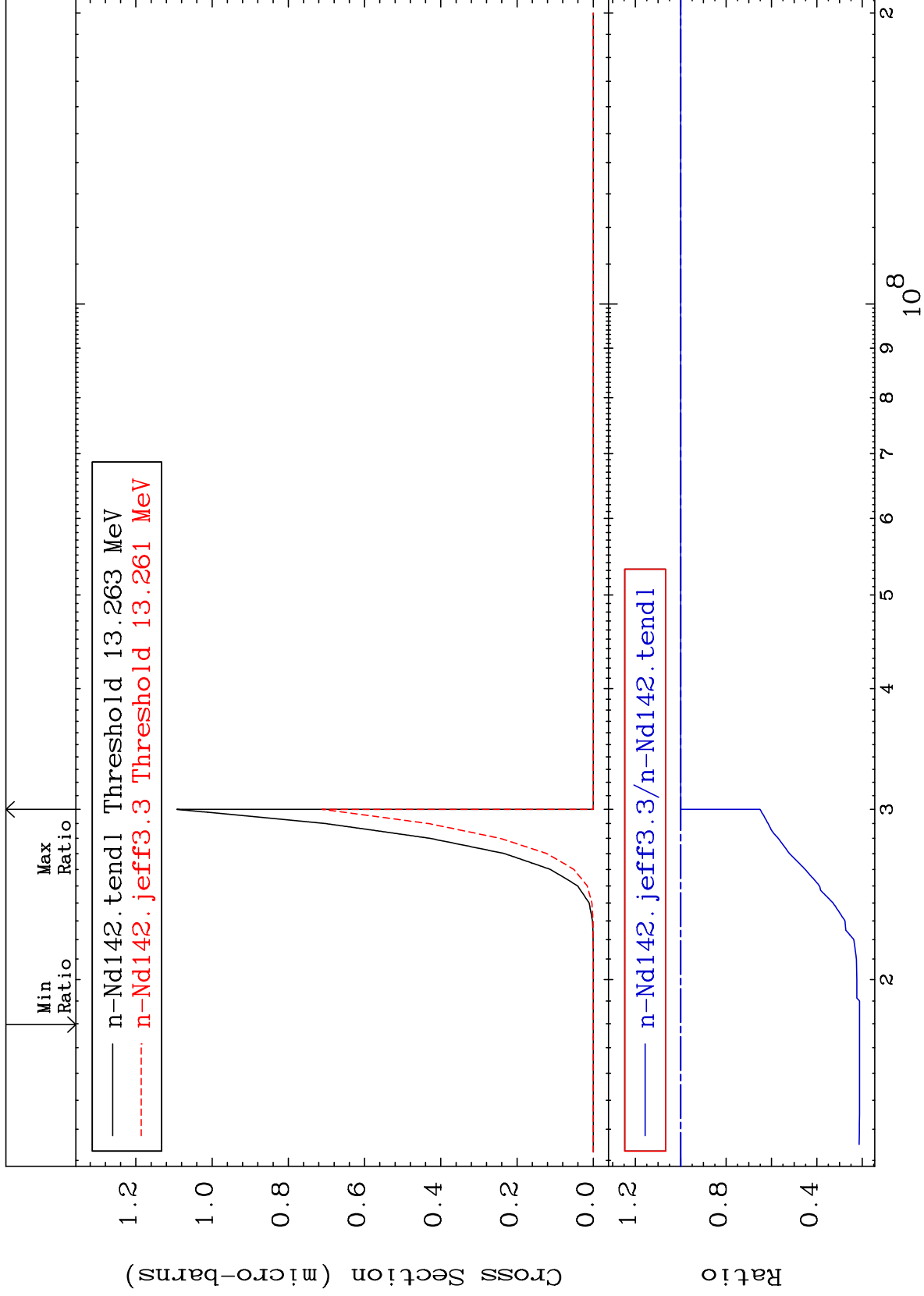
MAT 6025

(n, p) t

60-Nd-142

Cross Section

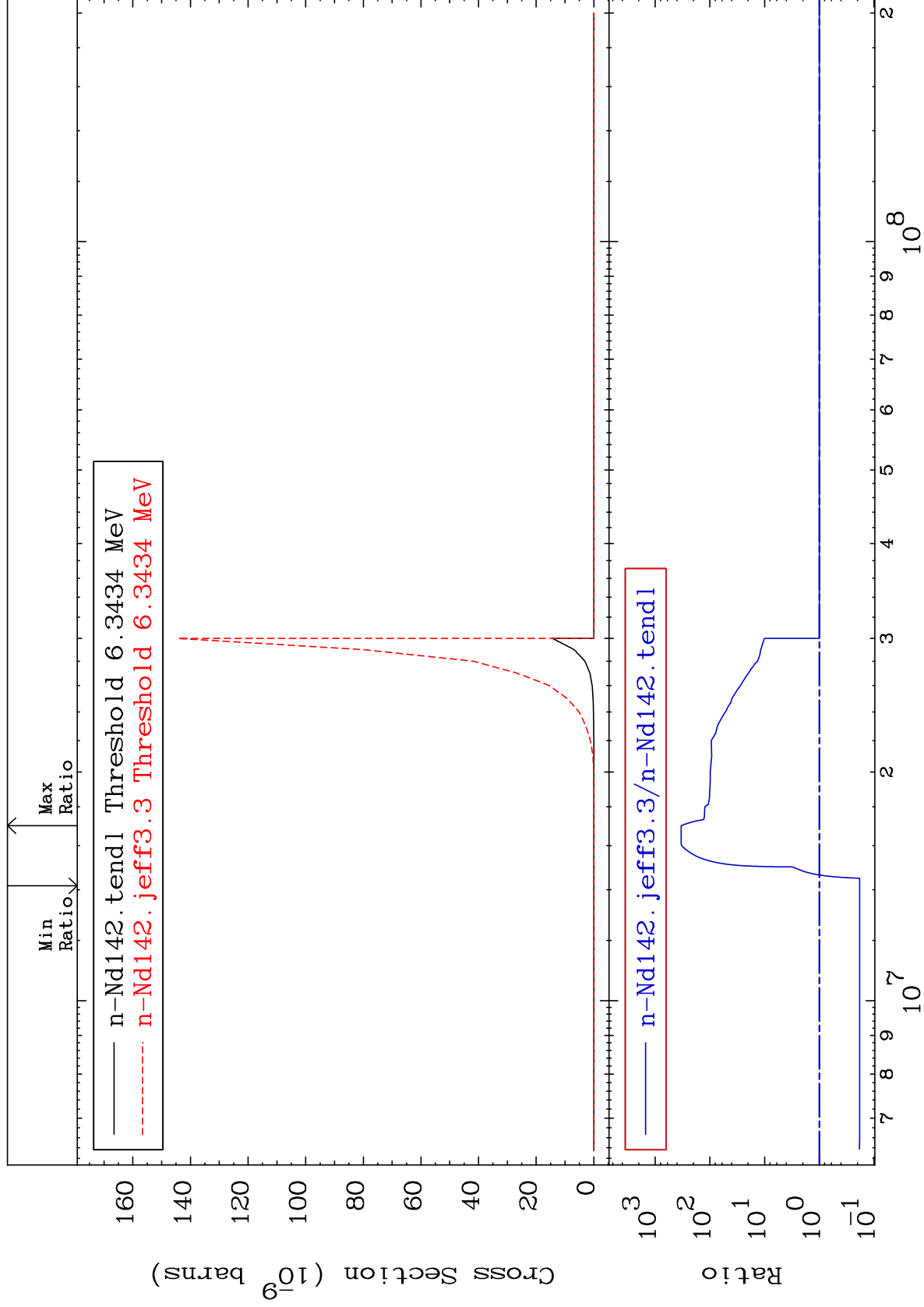
-78.77 To 0.000 %



MAT 6025

(n, d) α
Cross Section

60-Nd-142
-81.74 To 9999. %



61

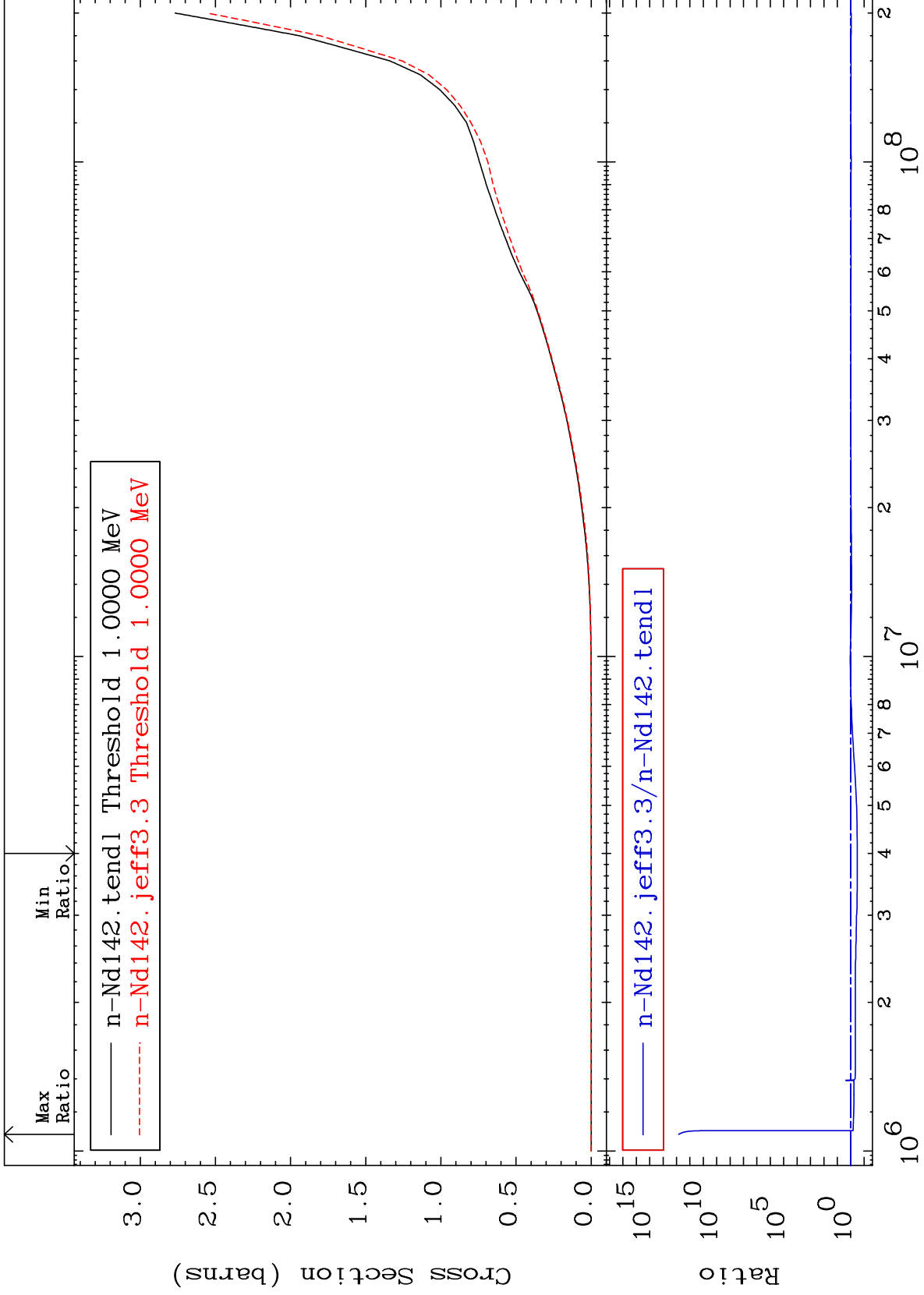
Incident Energy (eV)

60-Nd-142

MAT 6025

Hydrogen Production
Cross Section

60-Nd-142
-67.68 To 9999. %



62

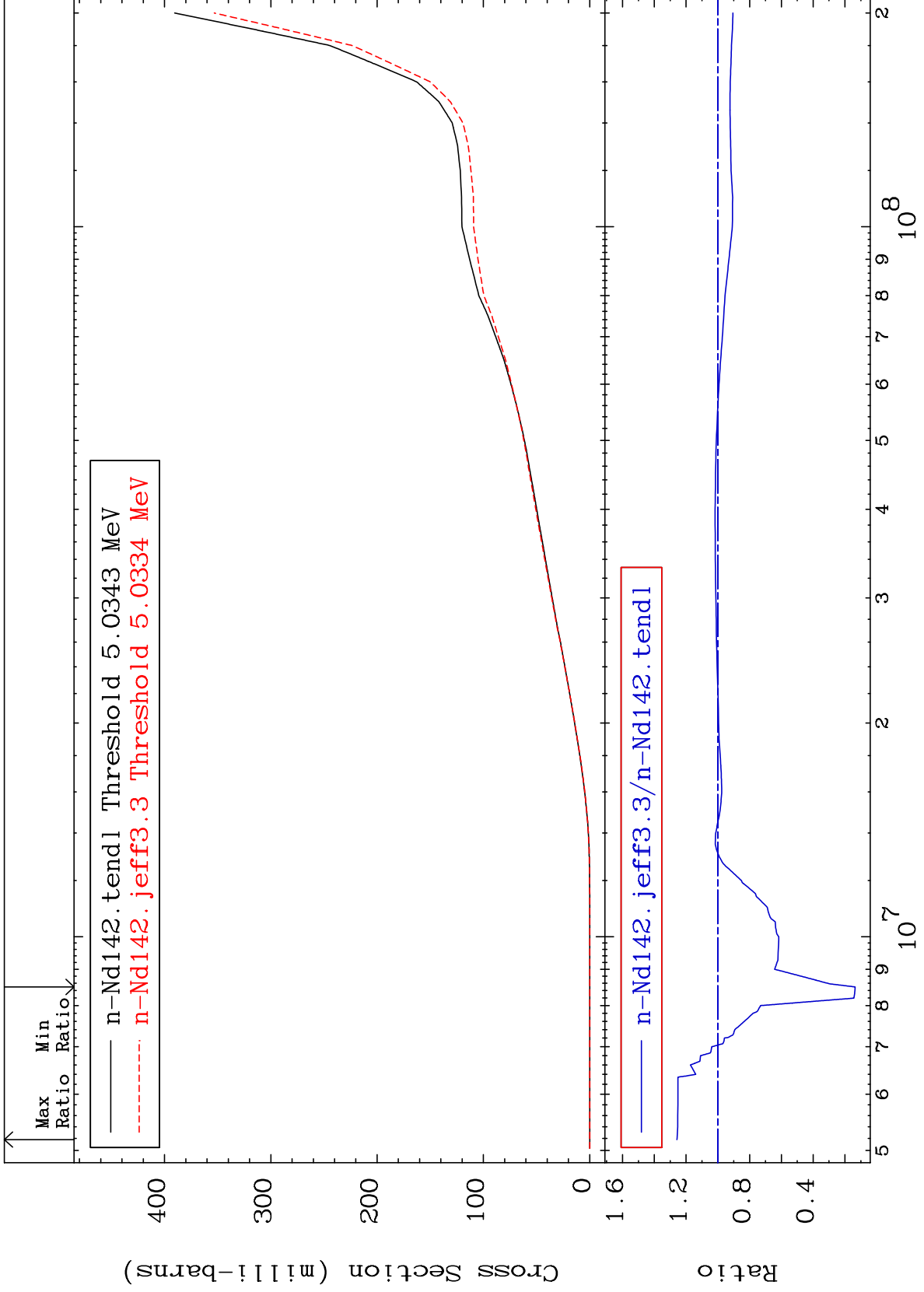
Incident Energy (eV)

60-Nd-142

MAT 6025

Deuterium Production
Cross Section

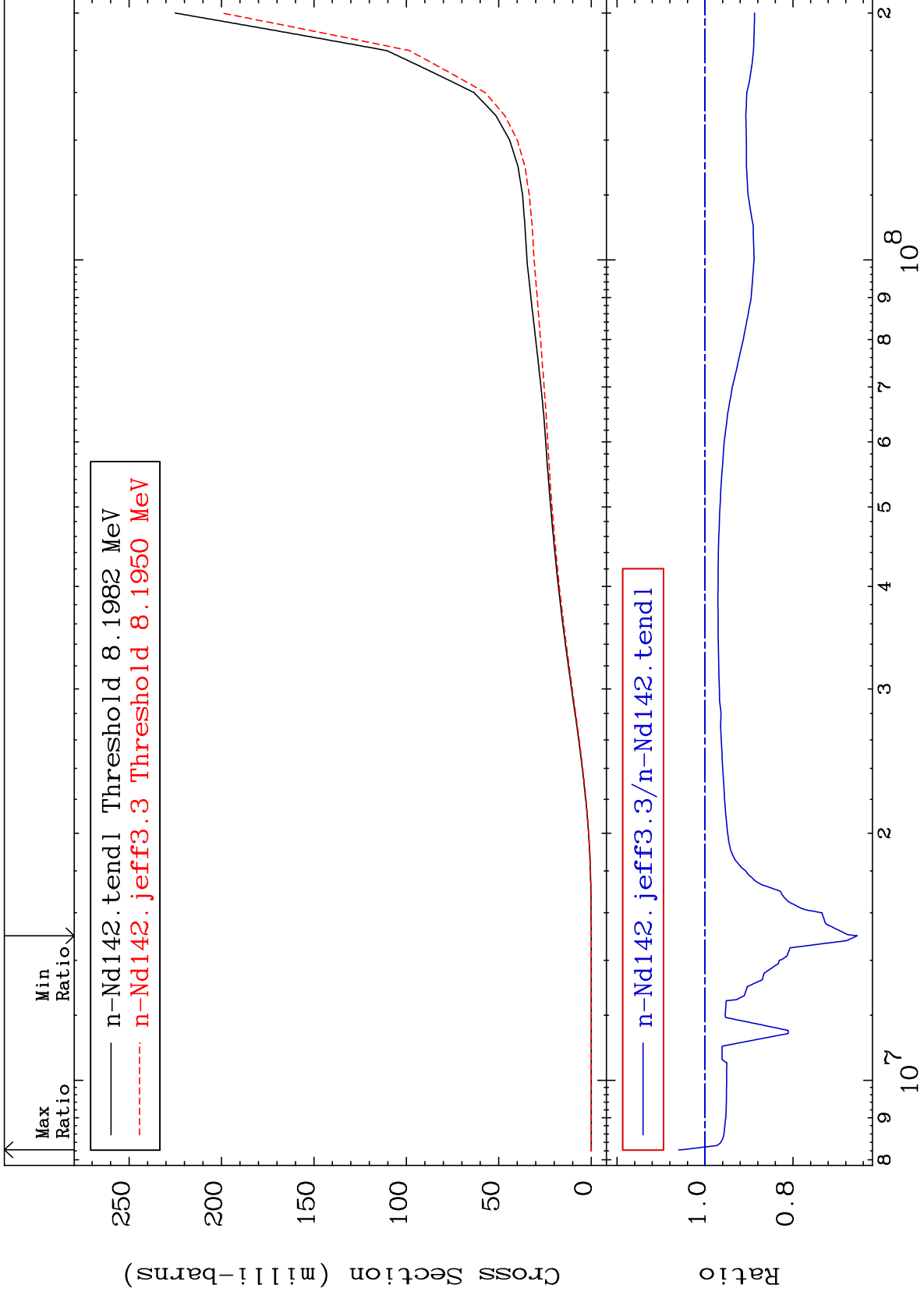
60-Nd-142
-86.41 To 25.75 %



MAT 6025

Tritium Production
Cross Section

60-Nd-142
-34.62 To 6.000 %



64

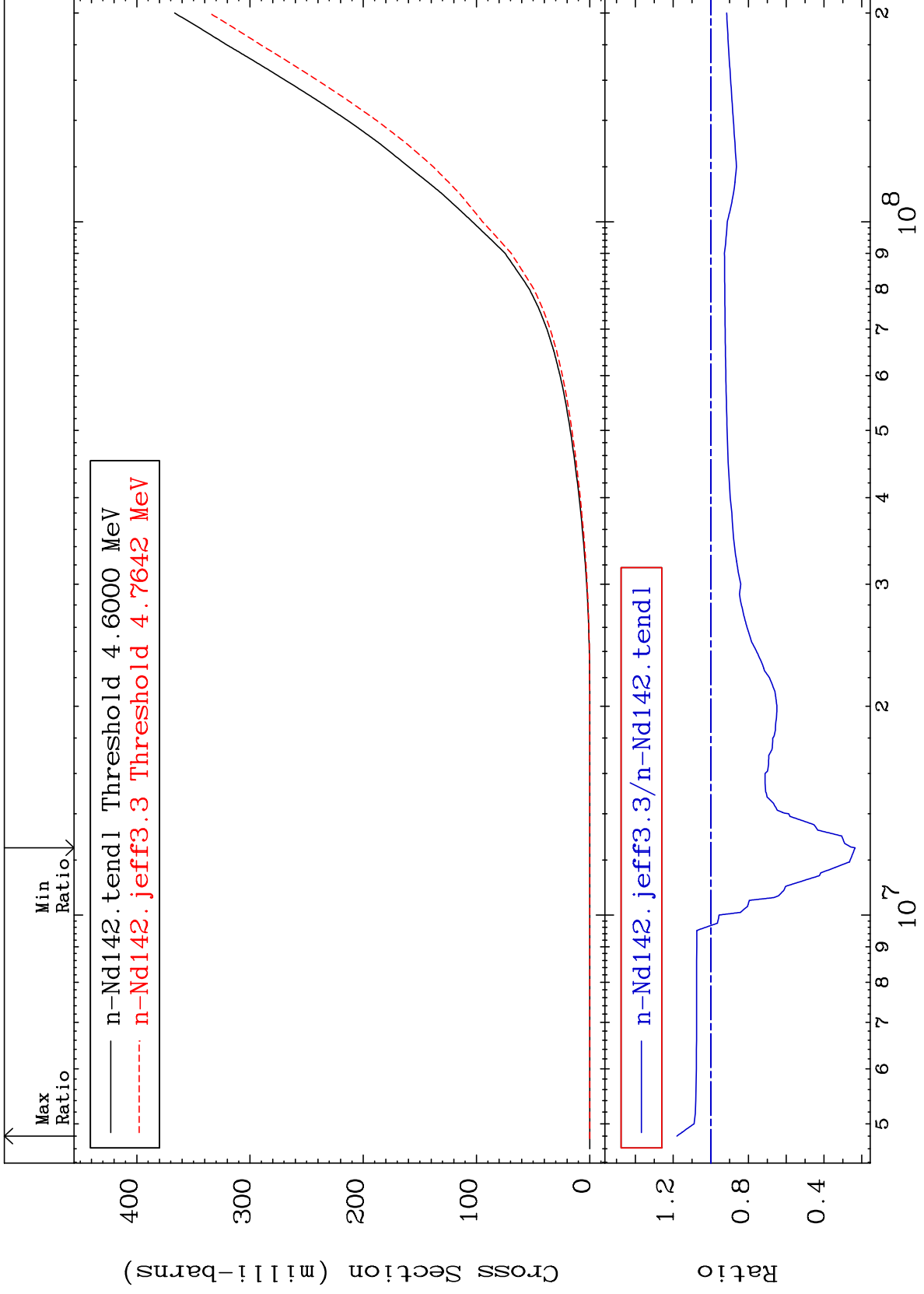
Incident Energy (eV)

60-Nd-142

MAT 6025

He-3 Production
Cross Section

60-Nd-142
-76.50 To 17.96 %



65

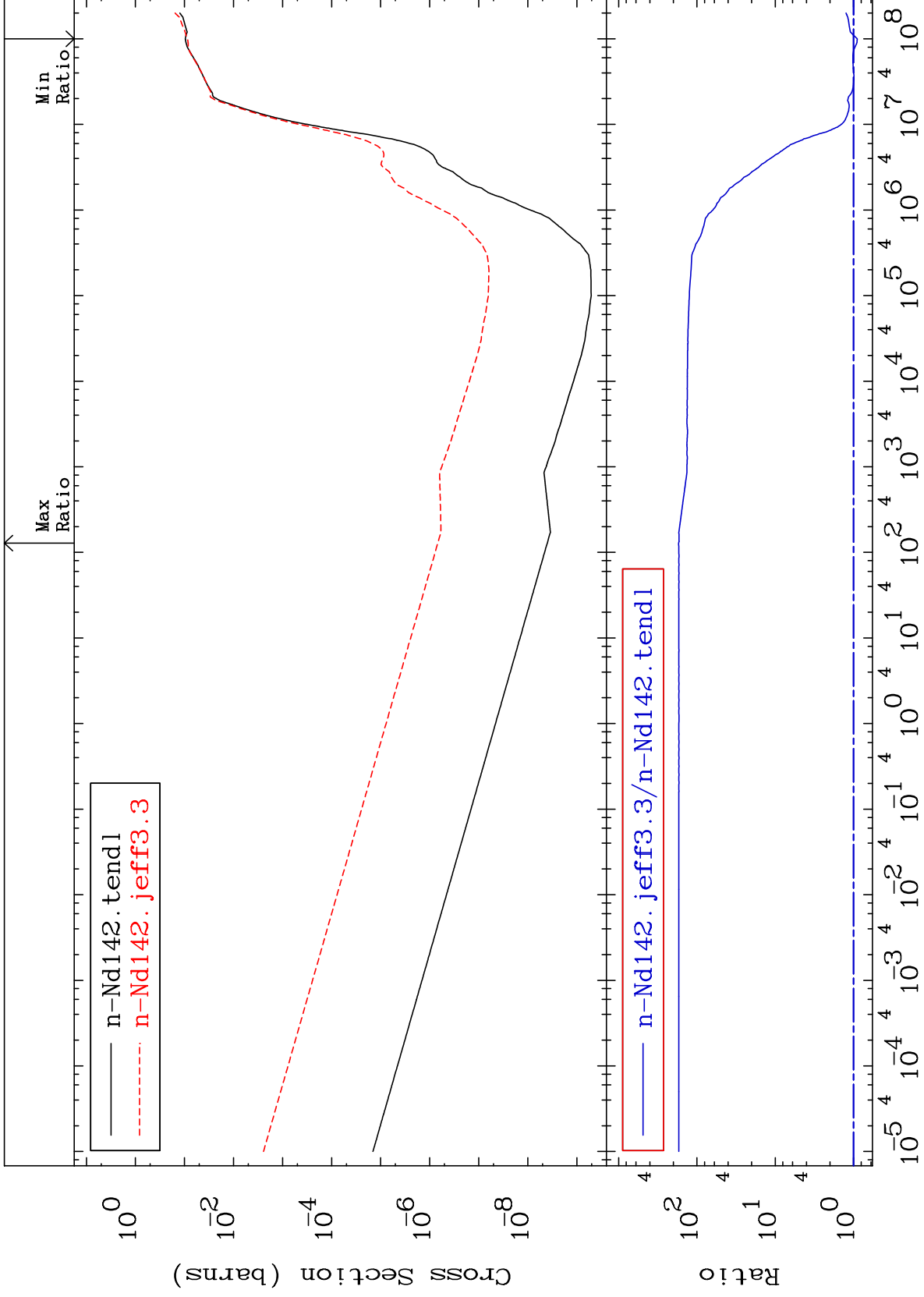
Incident Energy (eV)

60-Nd-142

MAT 6025

He-4 Production
Cross Section

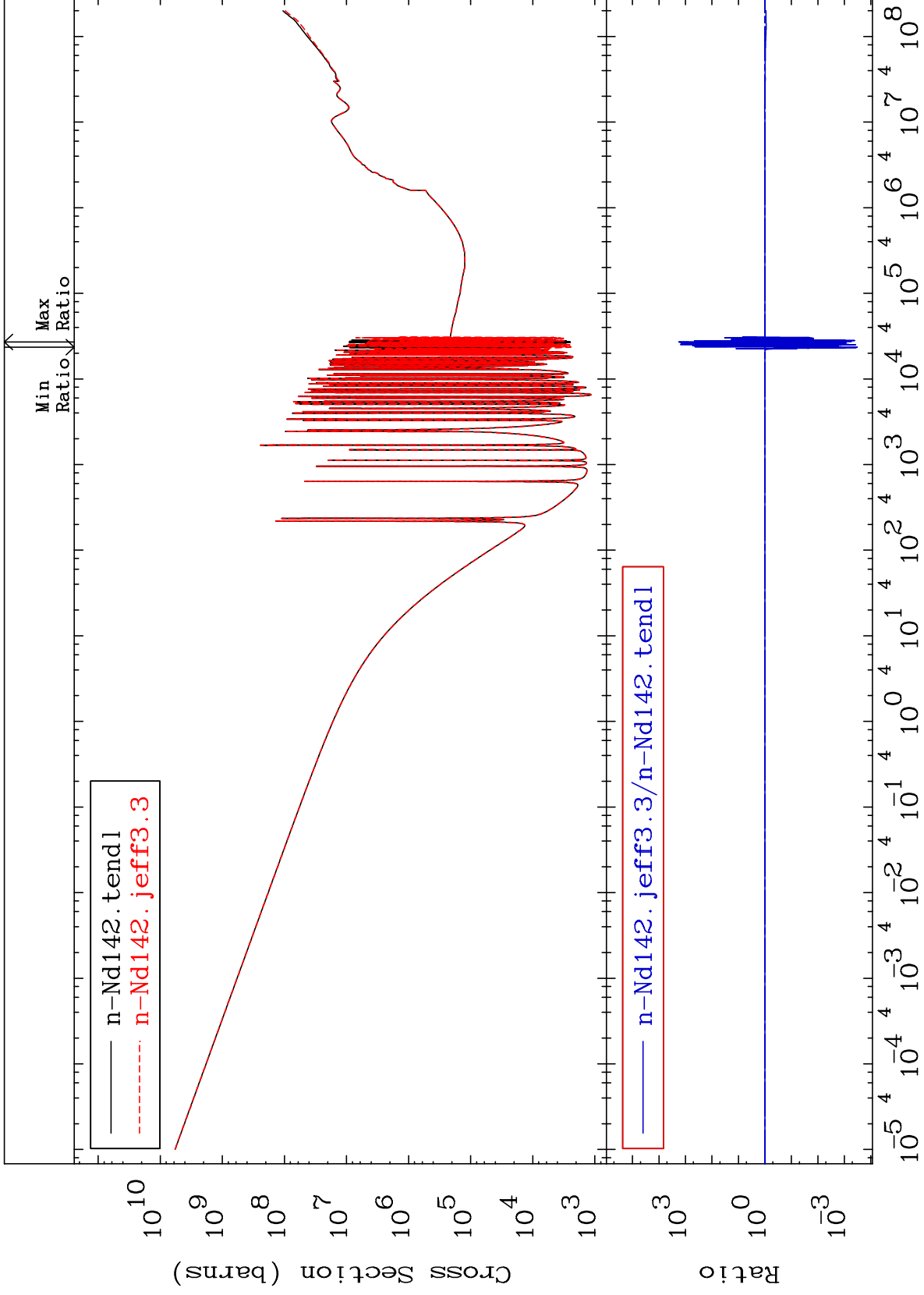
60-Nd-142
-10.32 To 9999. %



66

Incident Energy (eV)

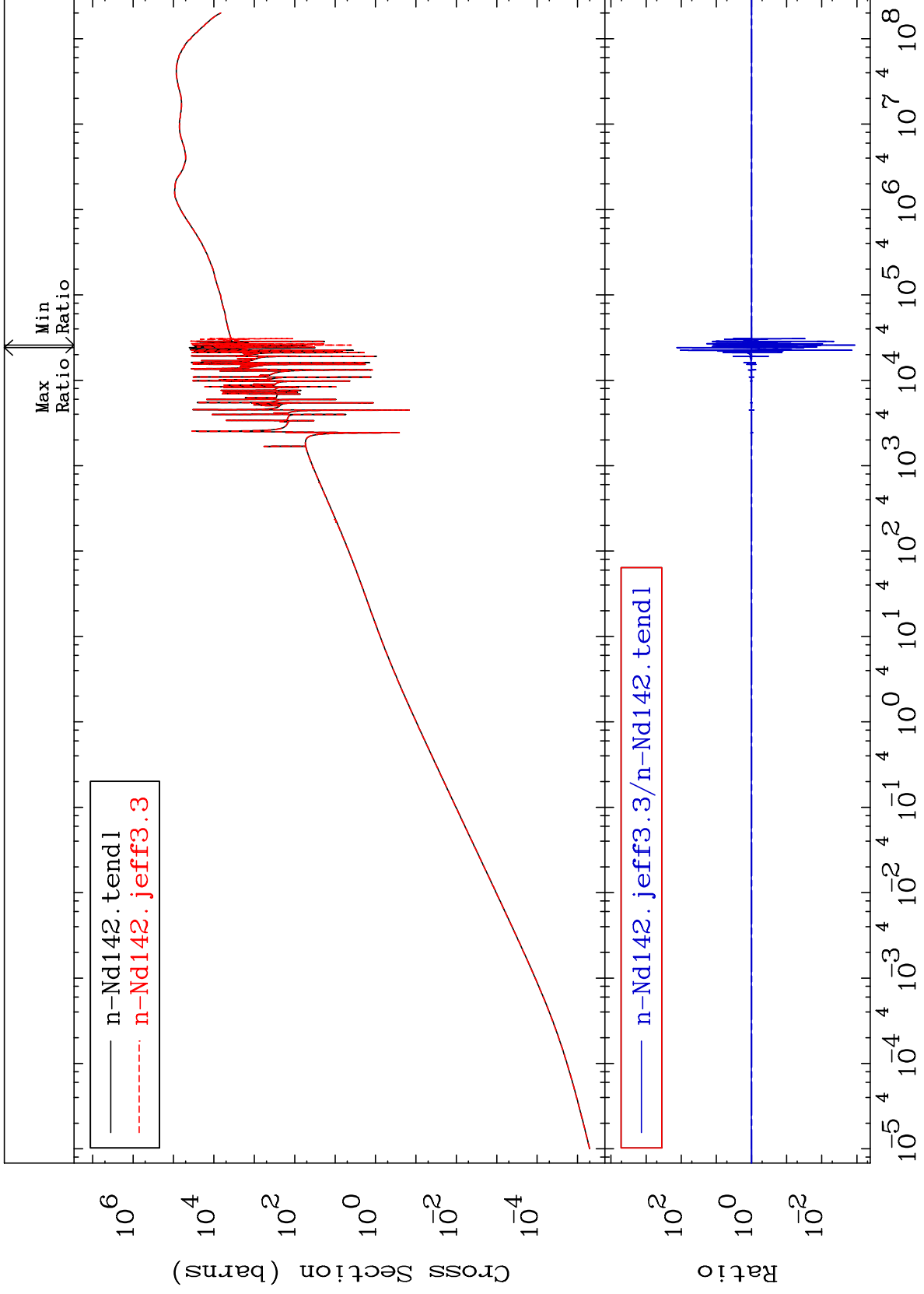
60-Nd-142

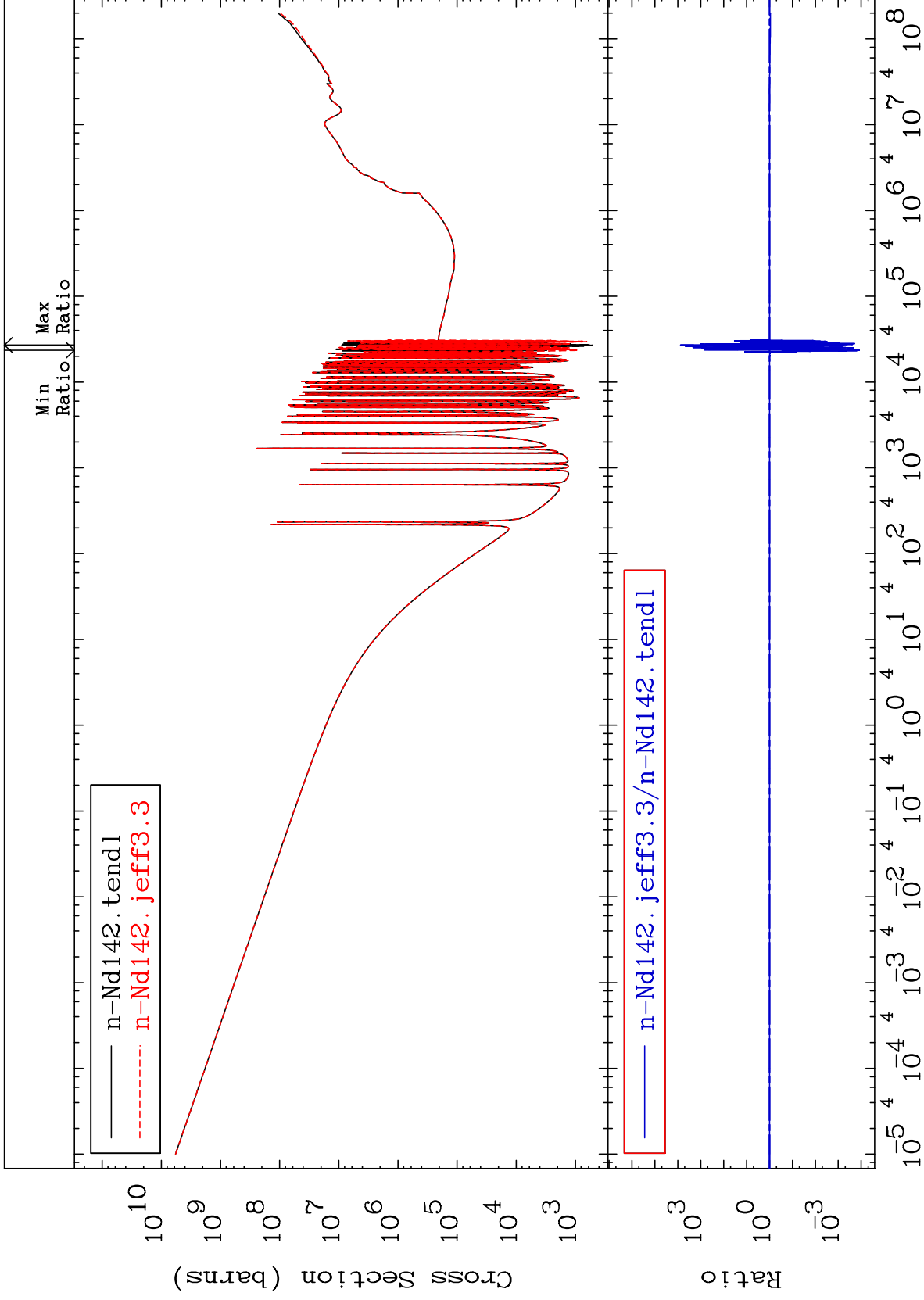


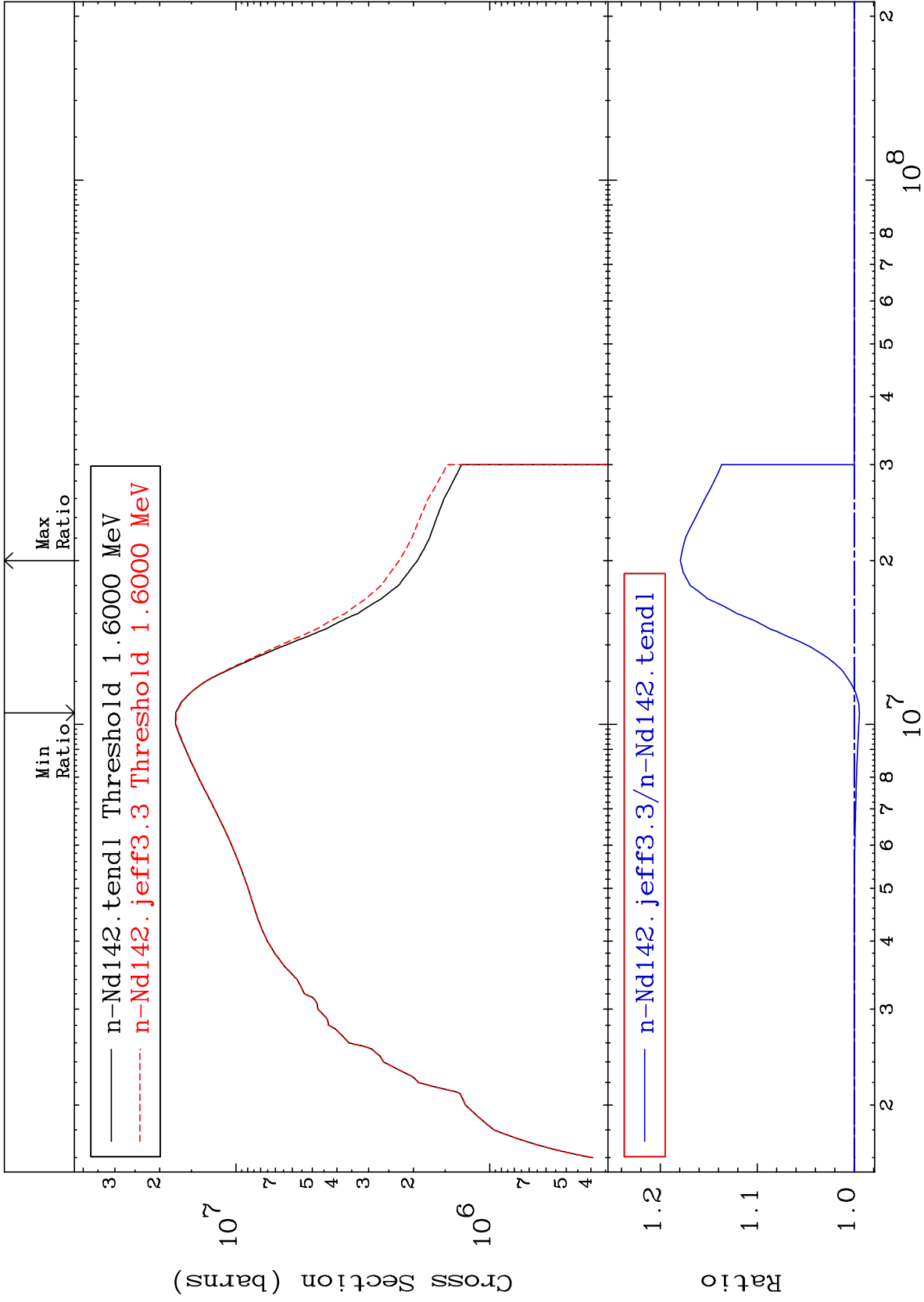
MAT 6025

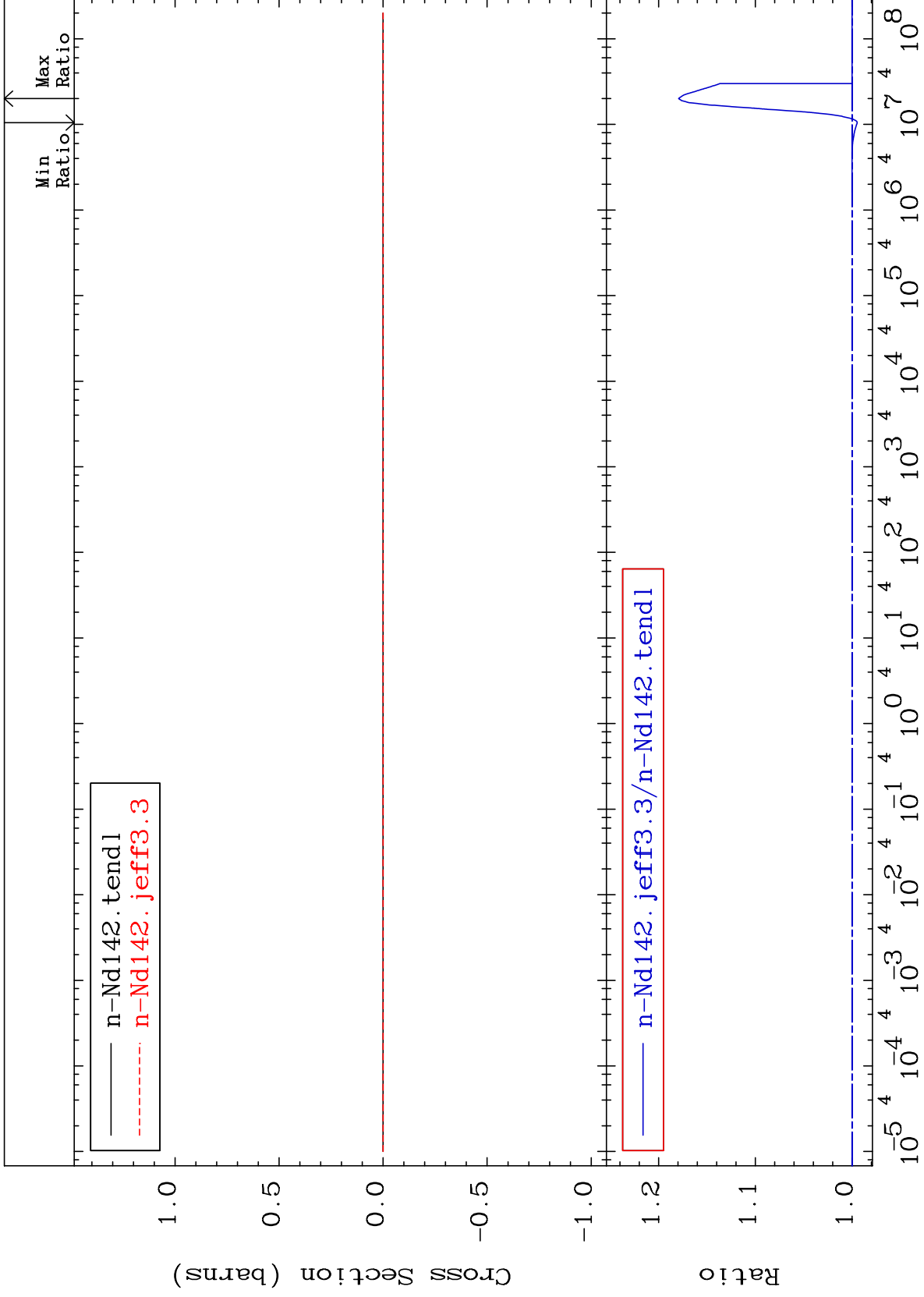
Kerma elastic
Cross Section

60-Nd-142
-99.89 To 9999. %





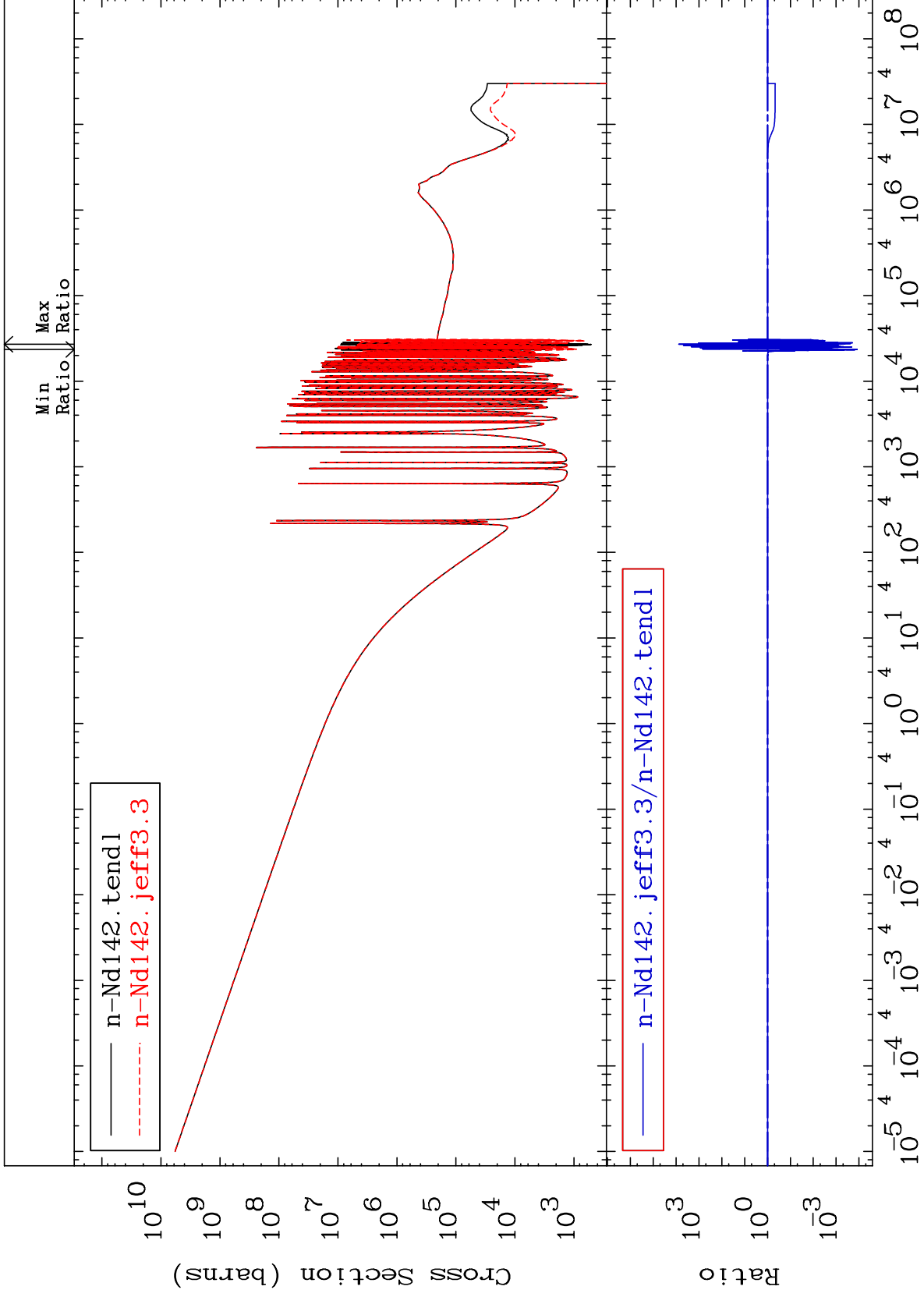




MAT 6025

Kerma capture (mt102)
Cross Section

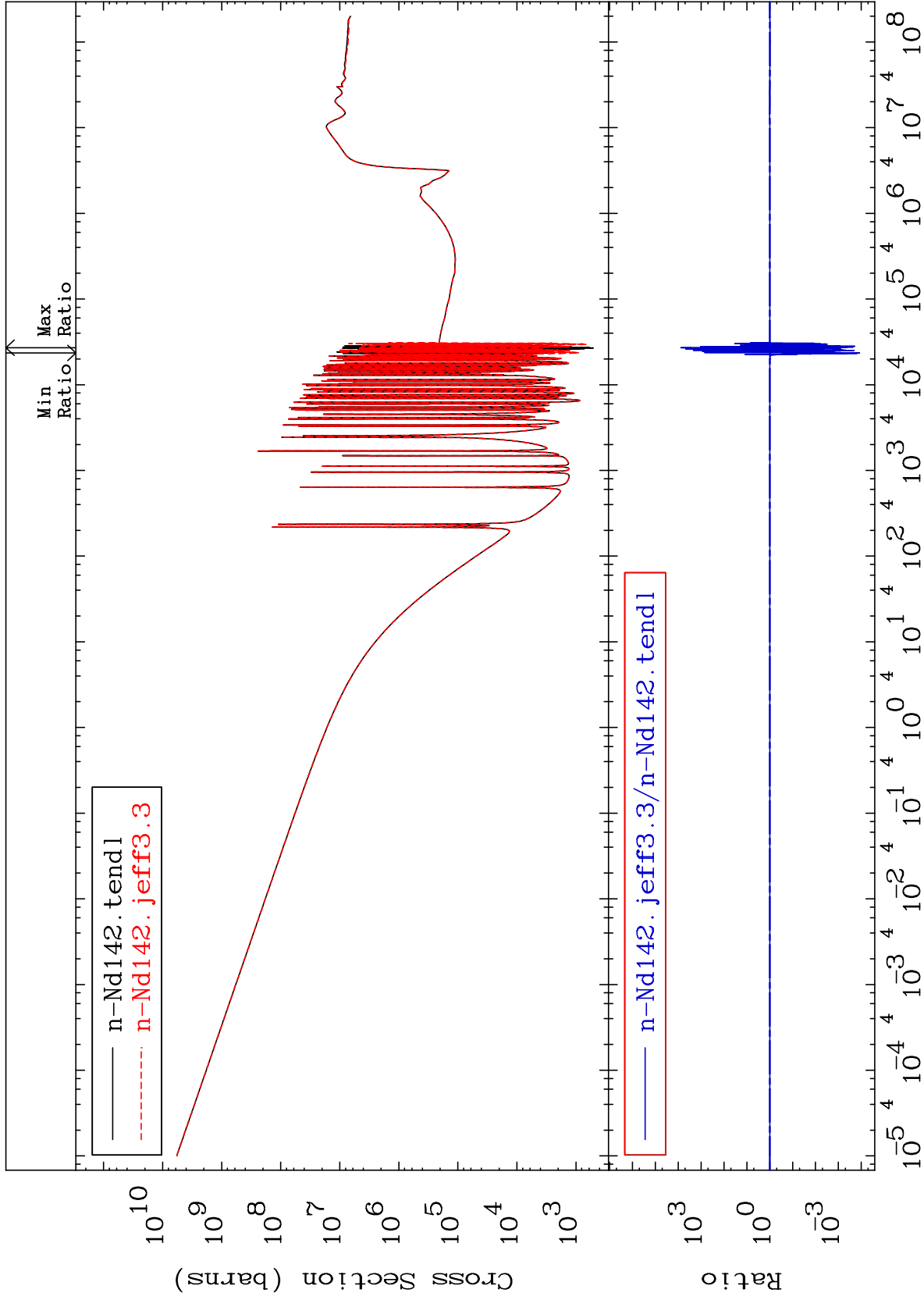
60-Nd-142
-99.99 To 9999. %

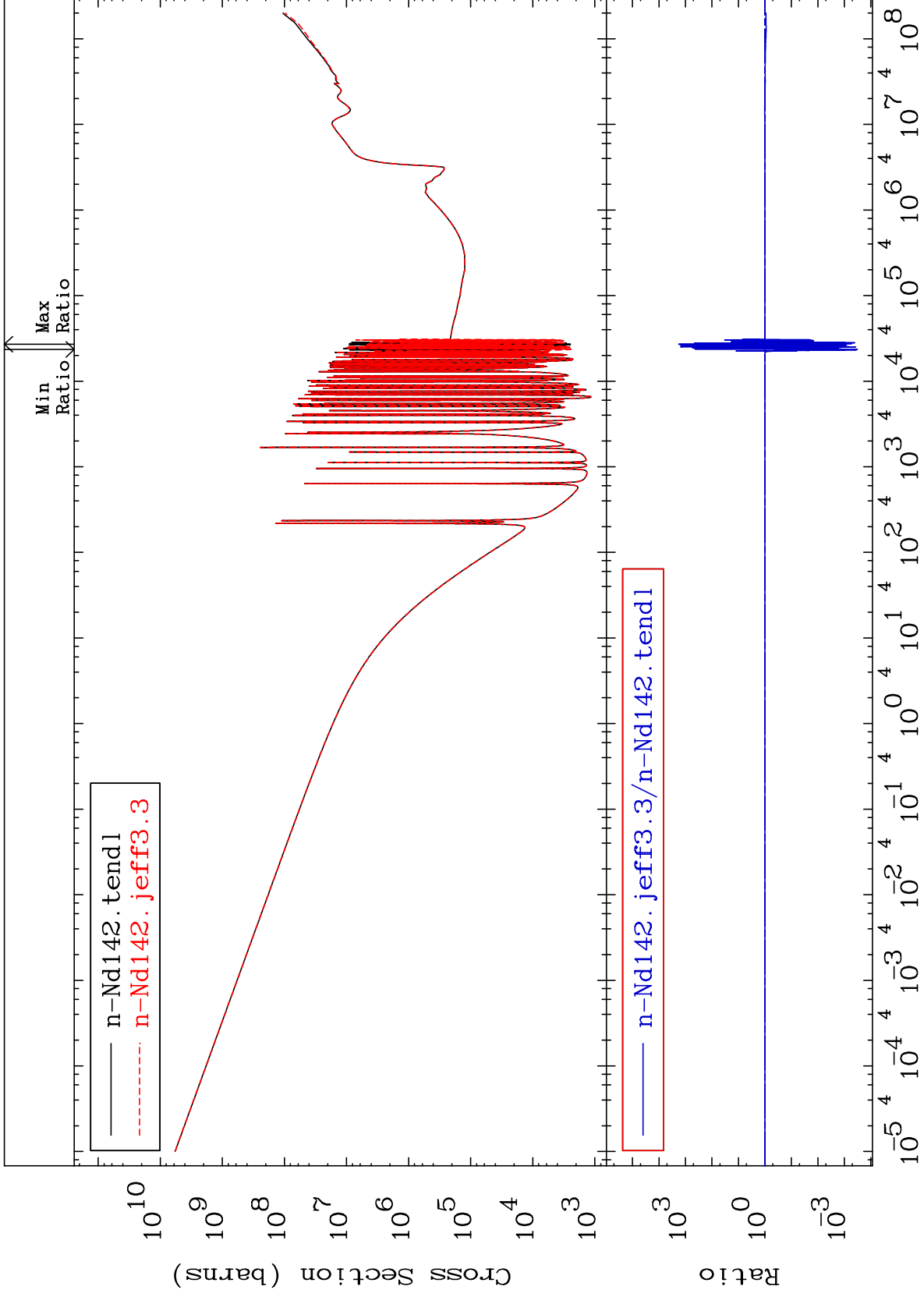


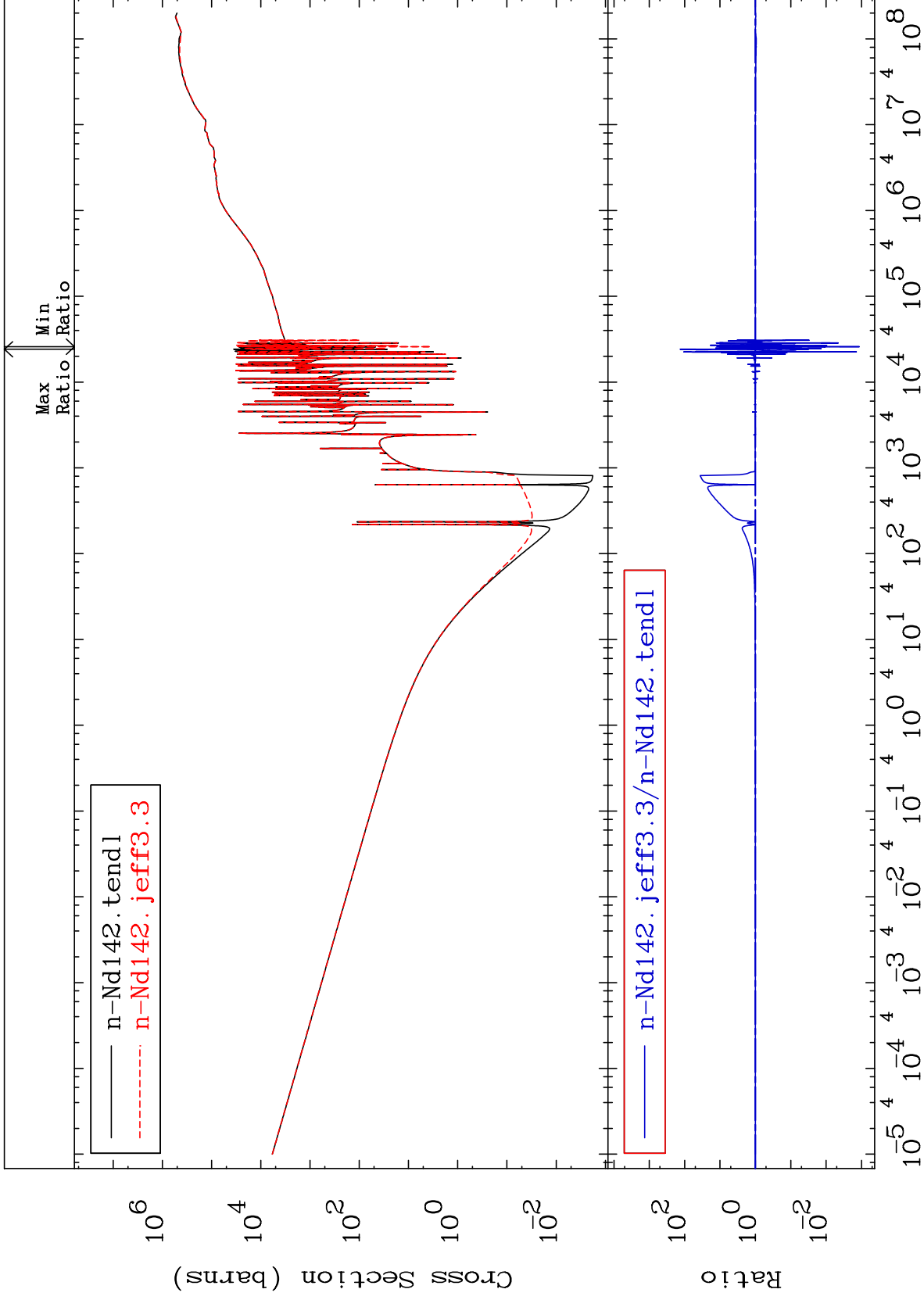
72

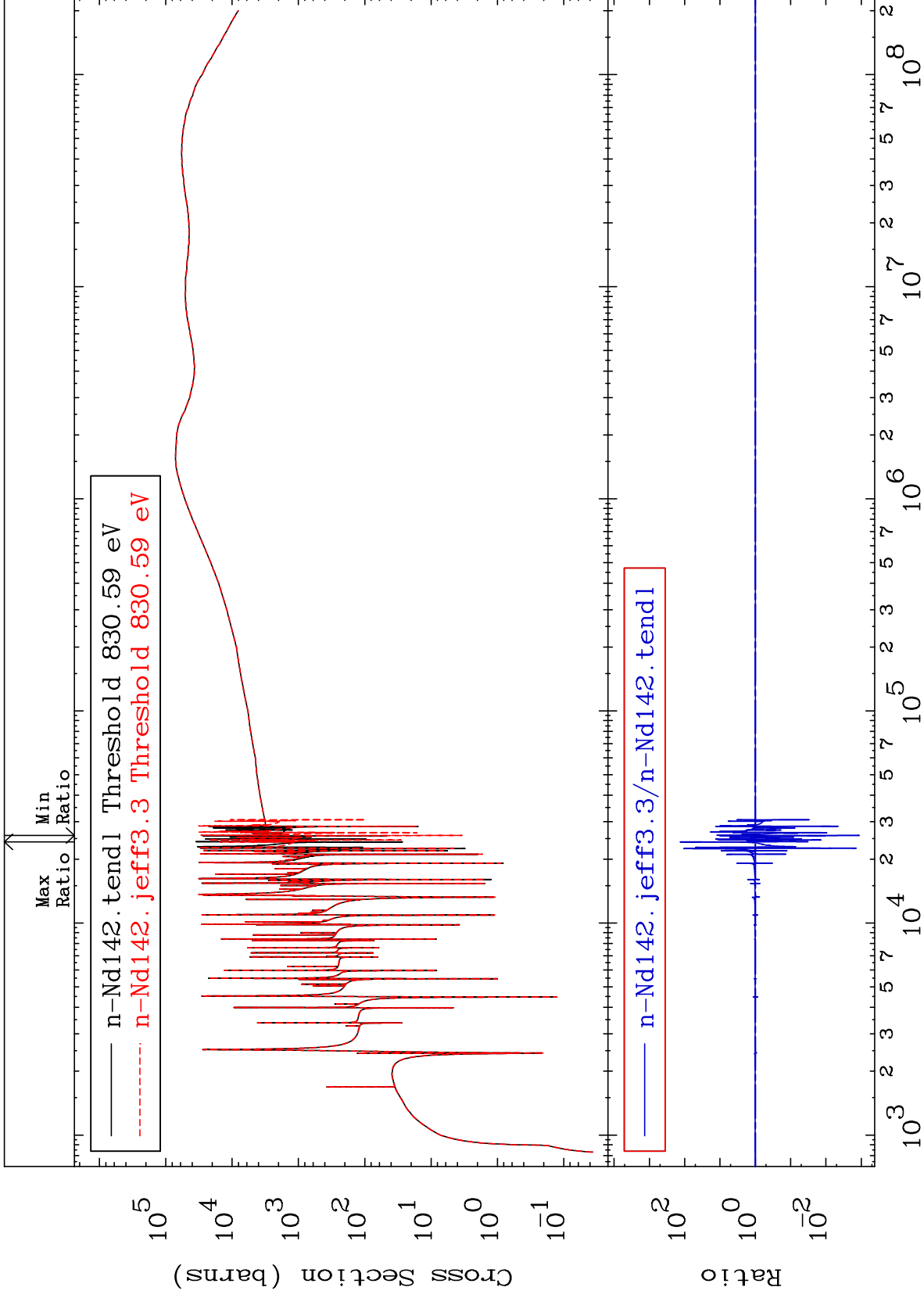
Incident Energy (eV)

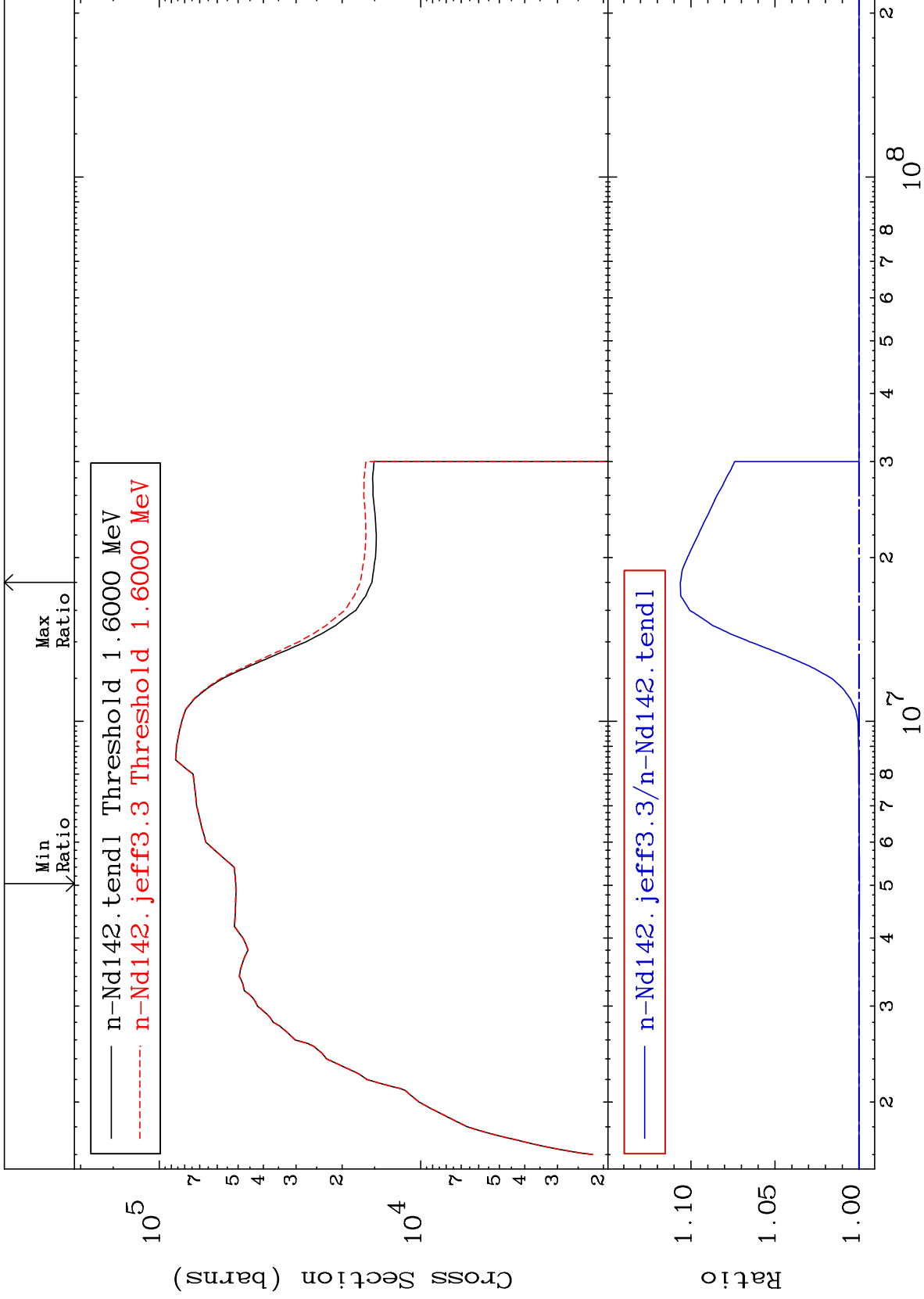
60-Nd-142

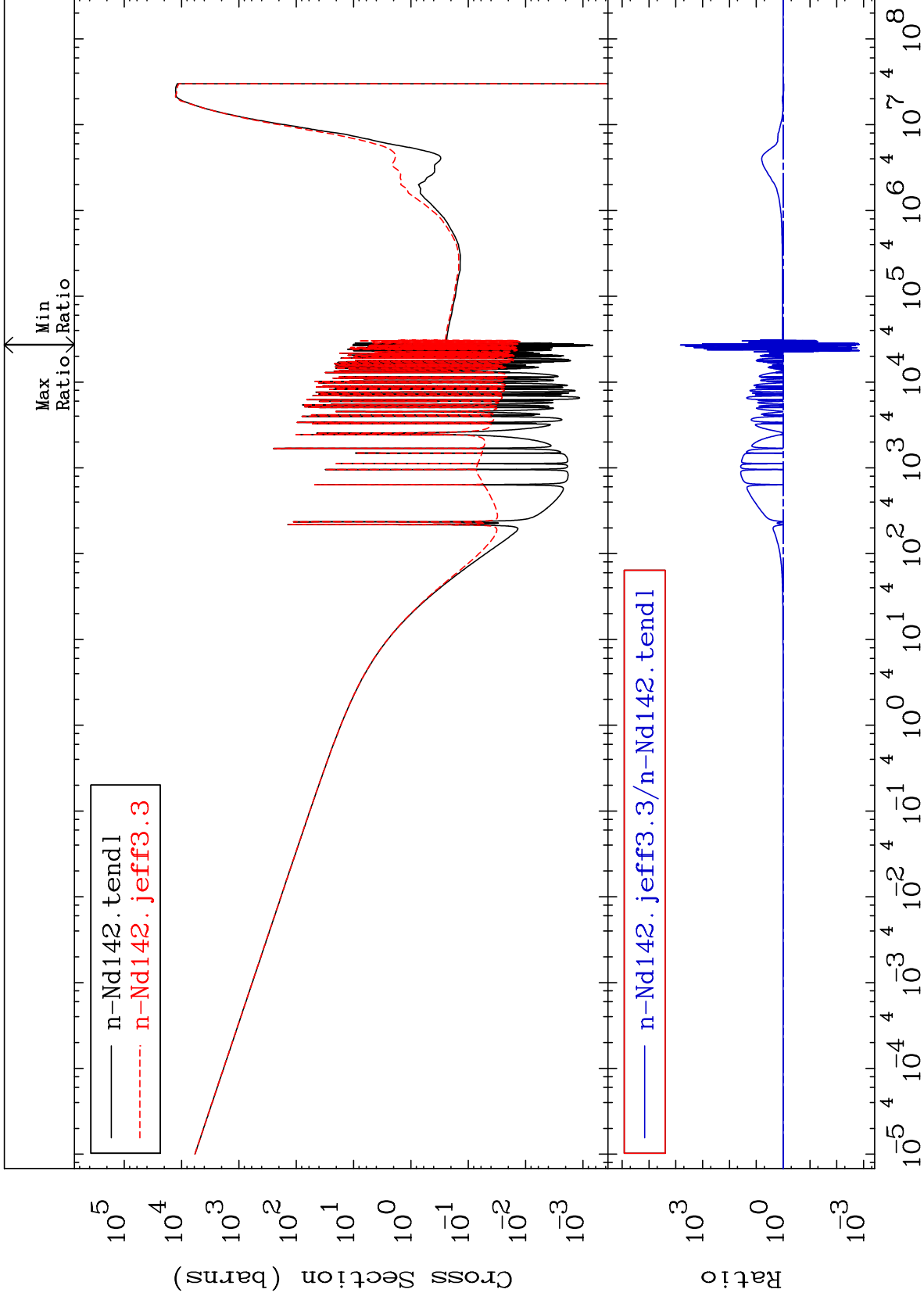












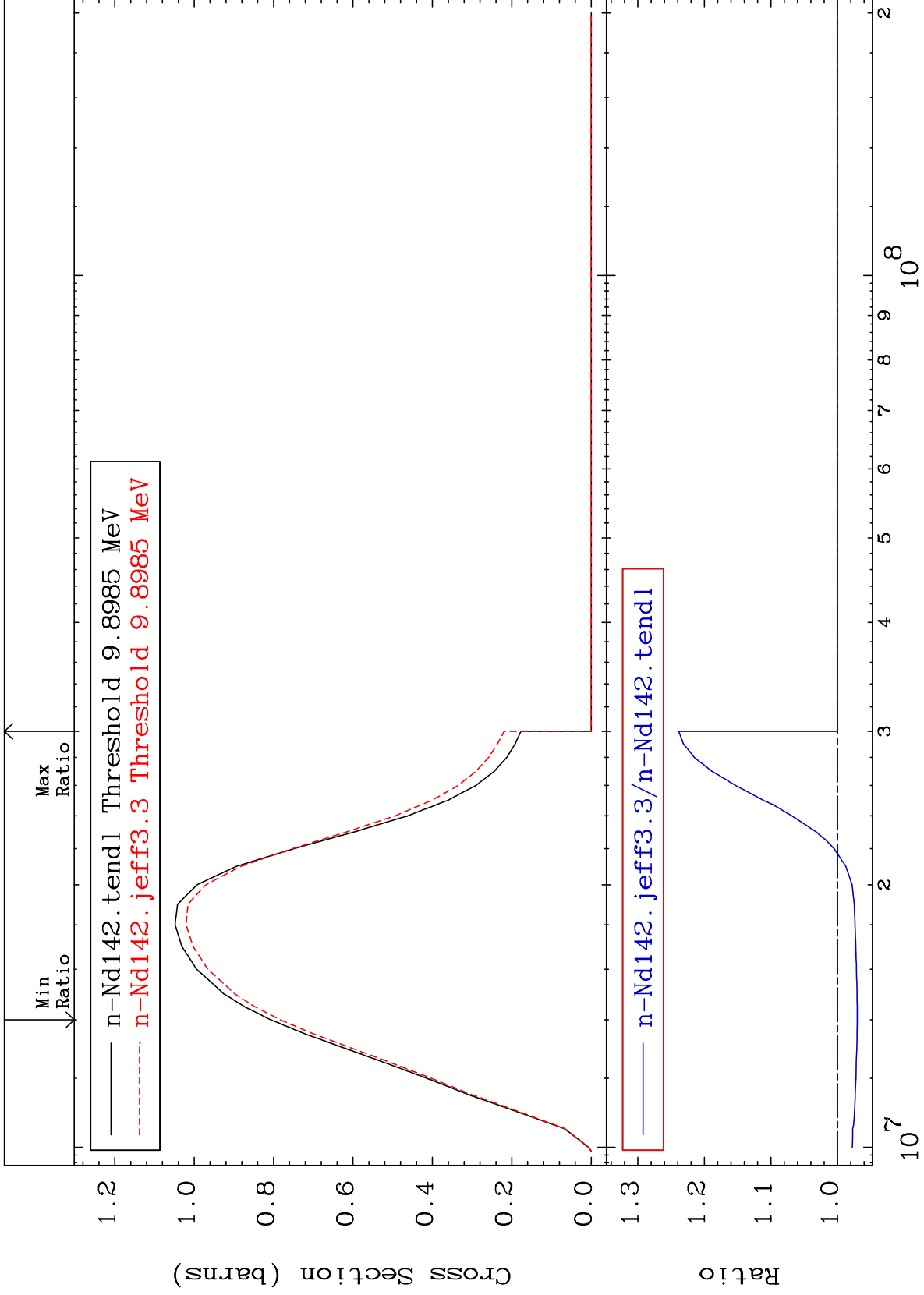
MAT 6025

(n,2n):60-Nd-141g

60-Nd-142

Radionuclide Production Cross Section

-2.978 To 23.86 %



79

Incident Energy (eV)

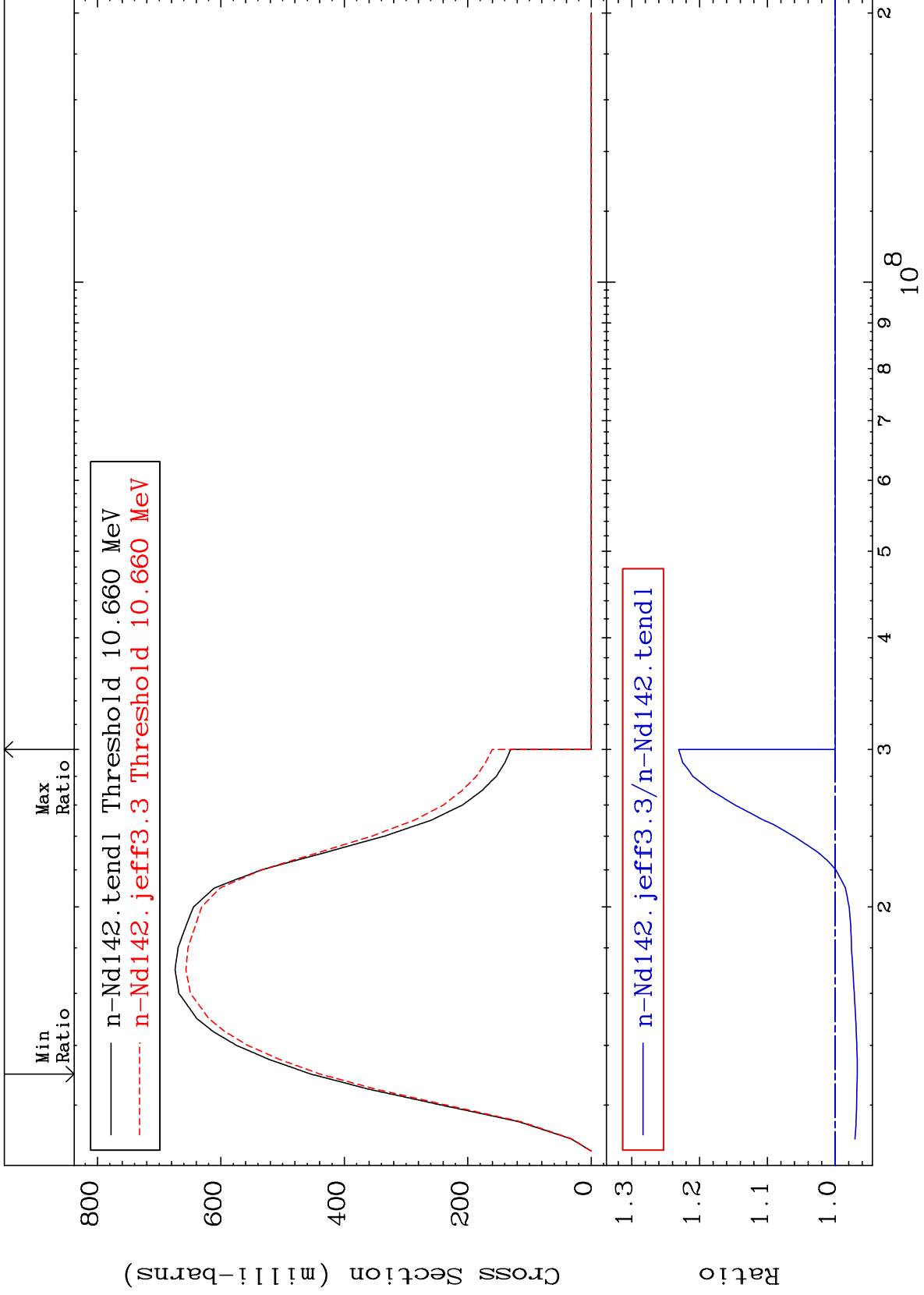
60-Nd-142

MAT 6025

(n,2n) : 60-Nd-141m2

60-Nd-142

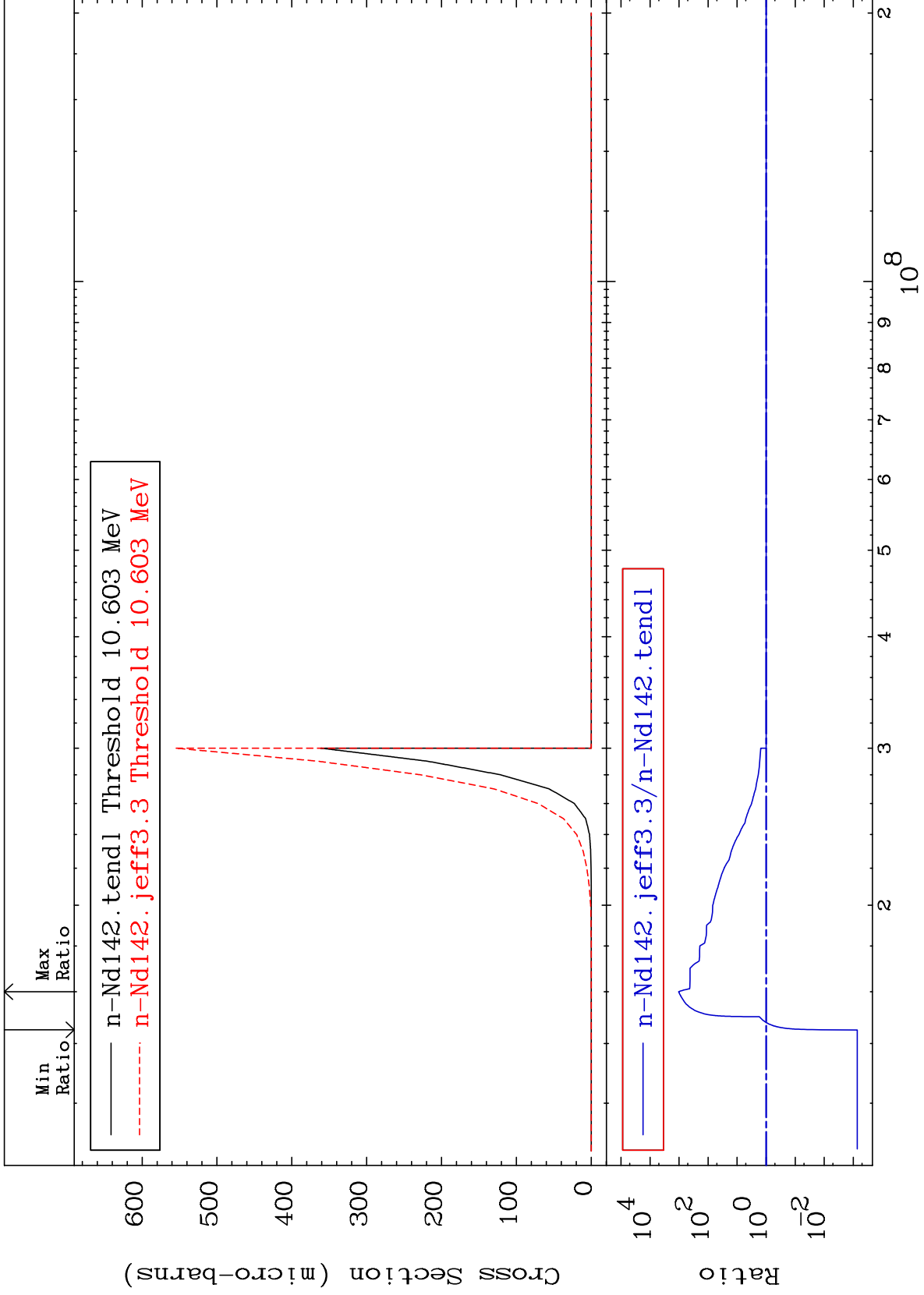
Radionuclide Production Cross Section -3.251 To 23.09 %



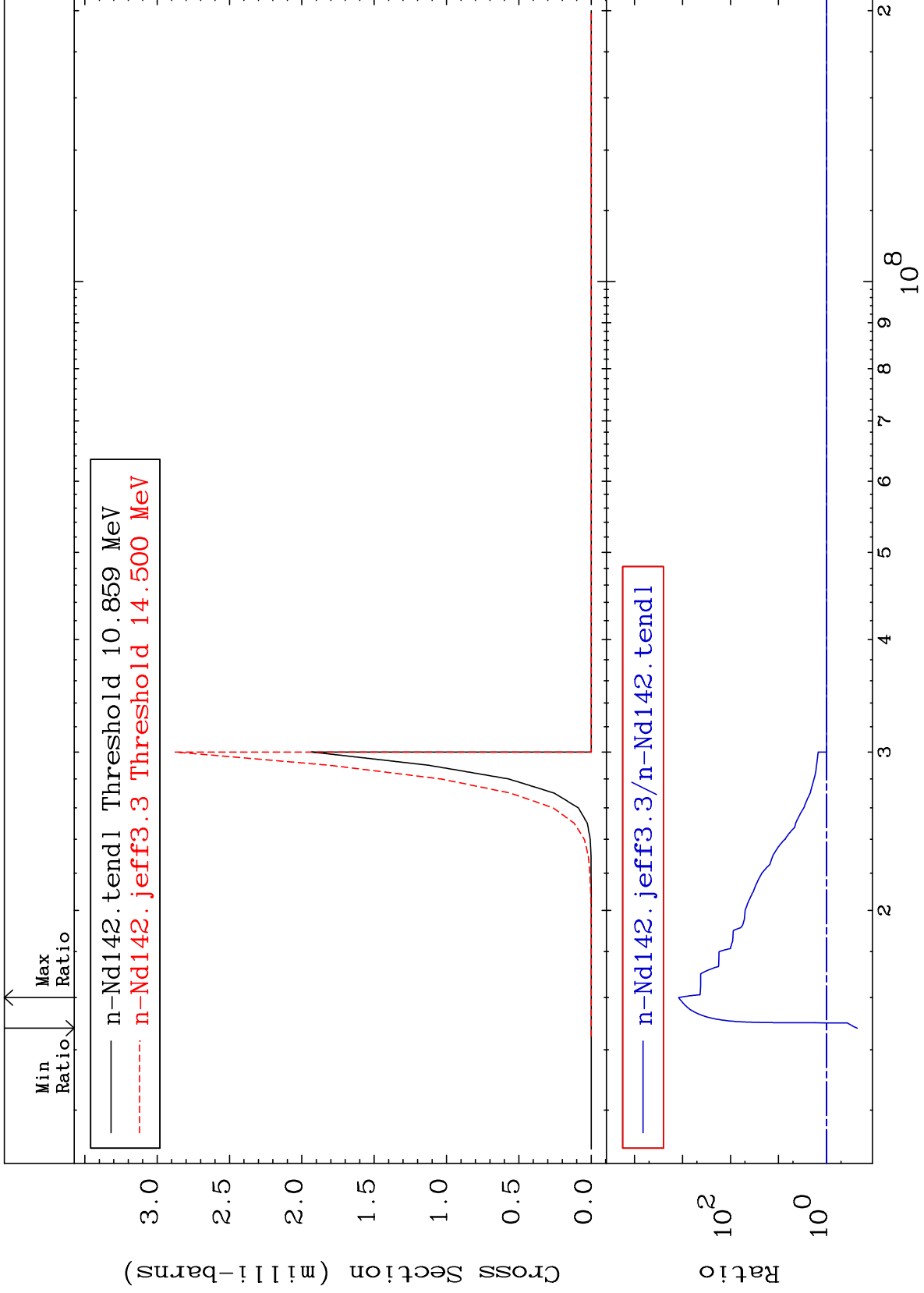
80

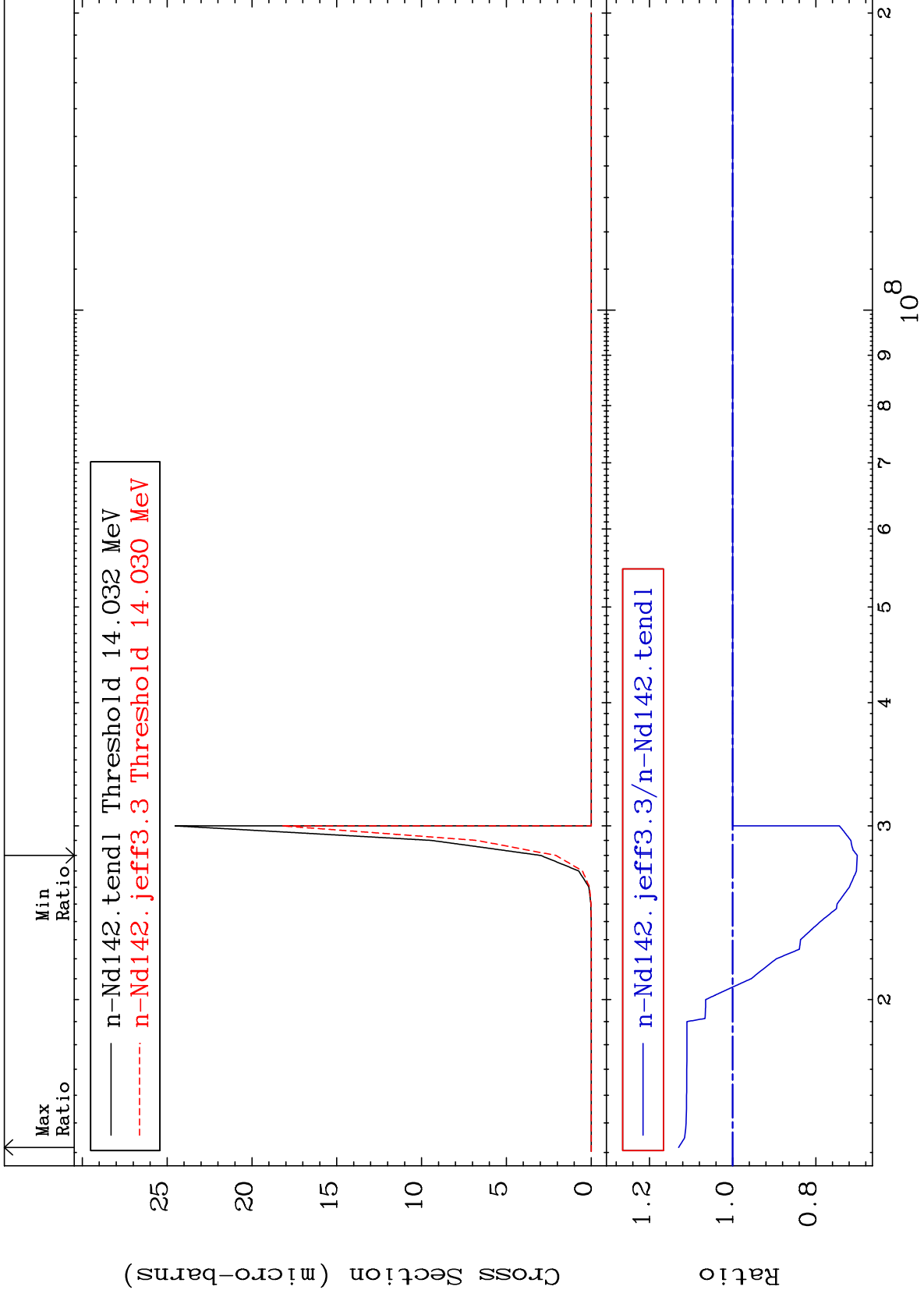
Incident Energy (eV)

60-Nd-142



Radionuclide Production Cross Section -77.11 To 9999. %



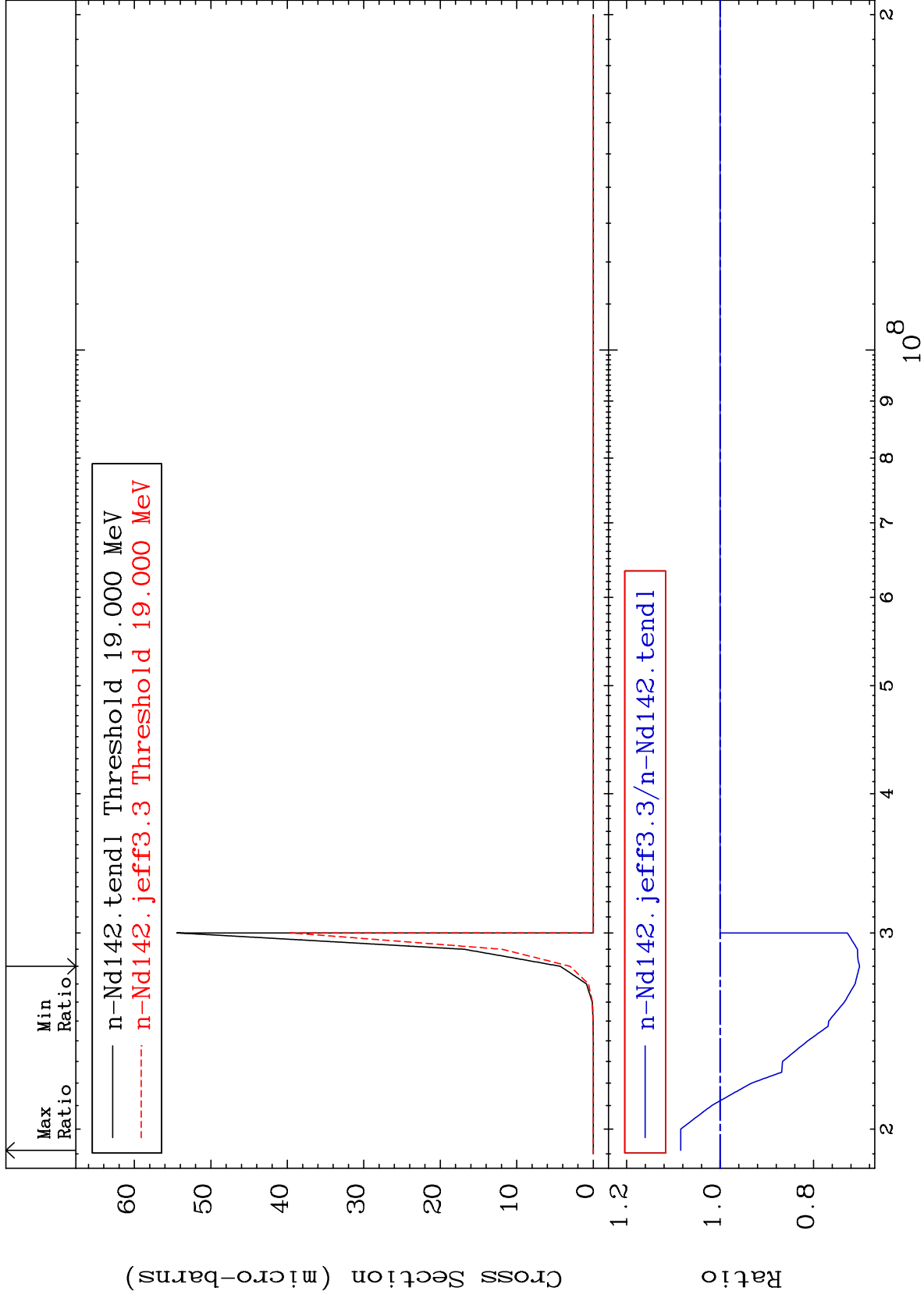


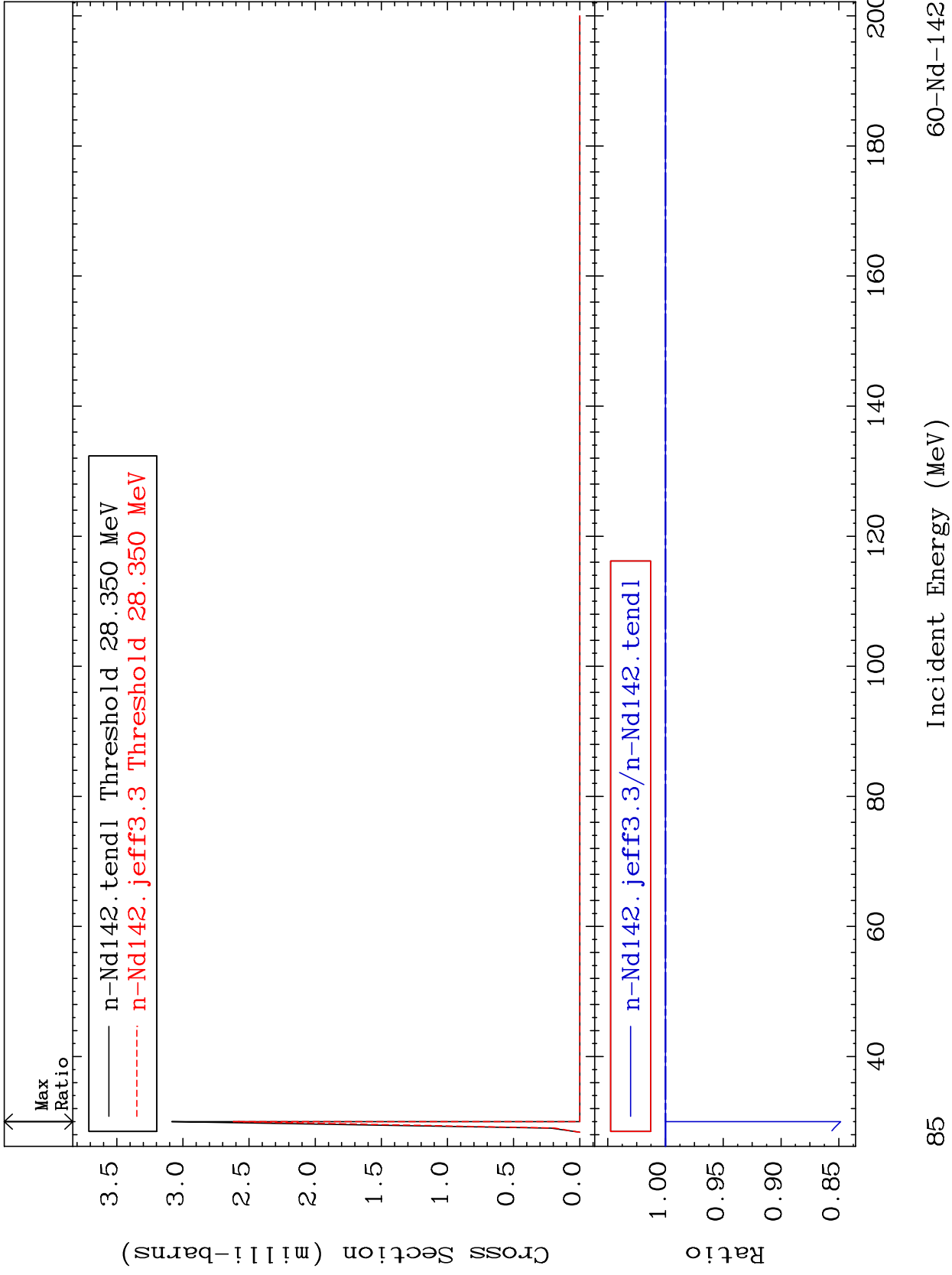
MAT 6025

(n, n') He-3:58-Ce-139m2

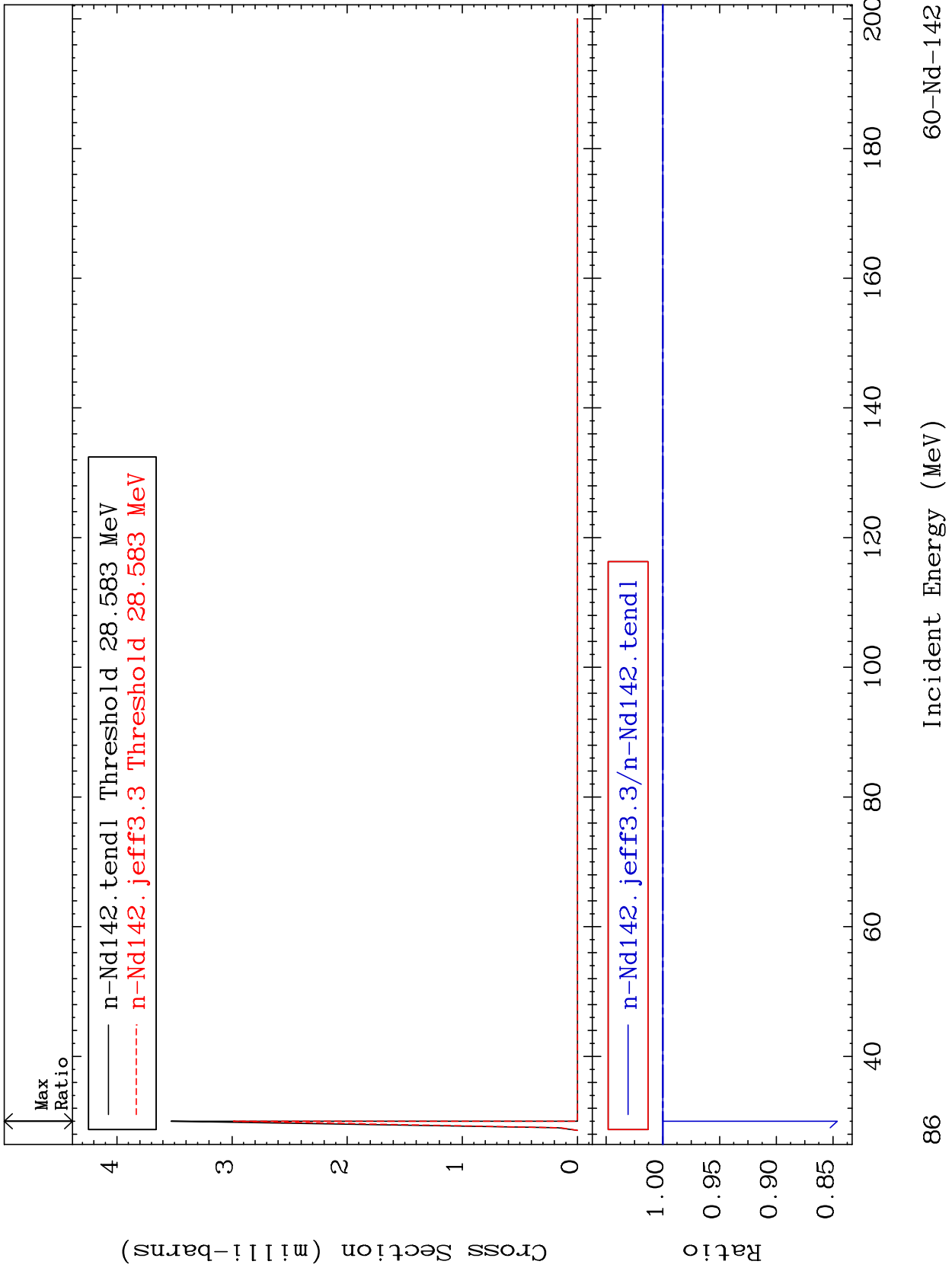
60-Nd-142

Radionuclide Production Cross Section -29.85 To 8.424 %



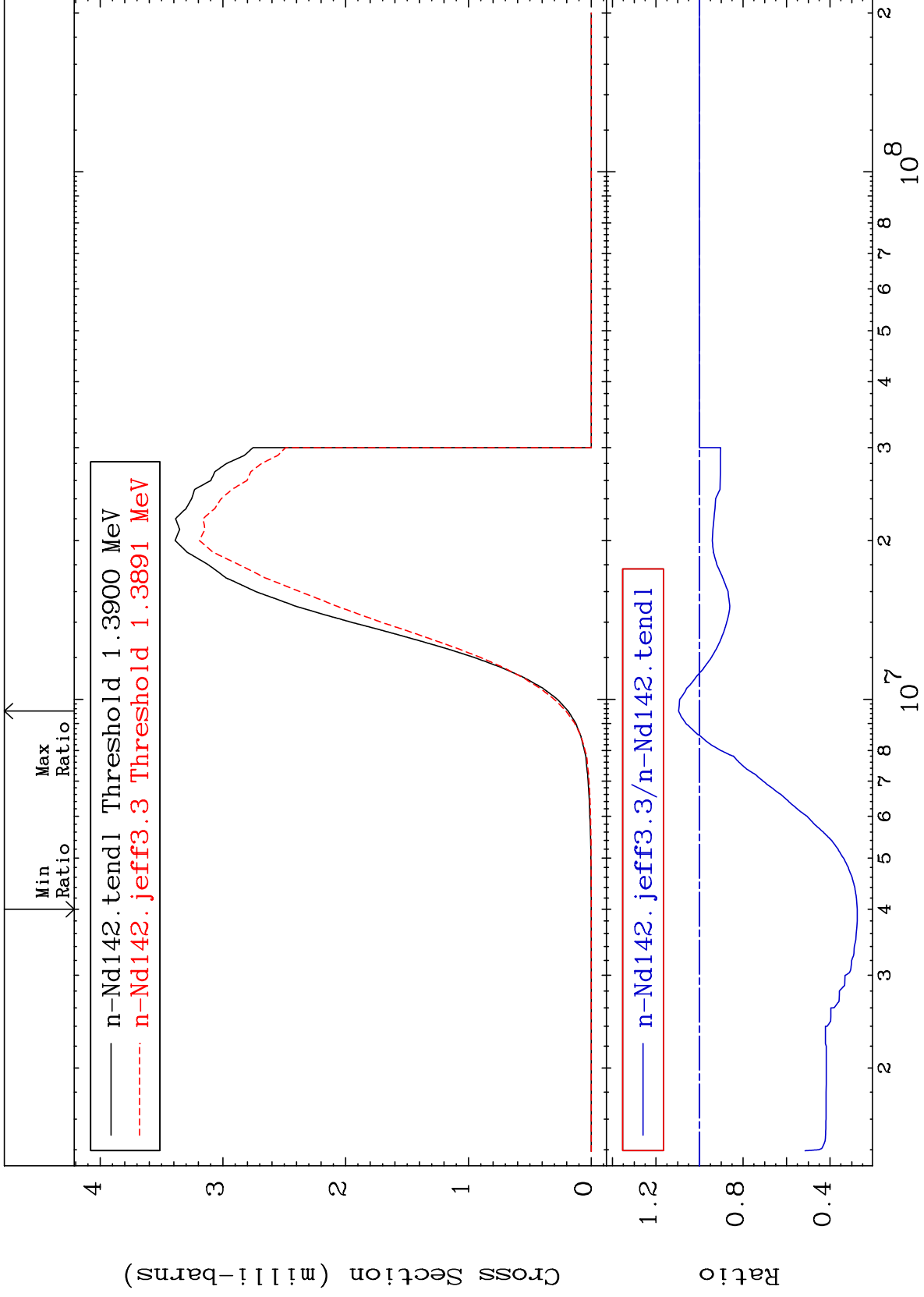


Radionuclide Production Cross Section -15.37 To 0.000 %



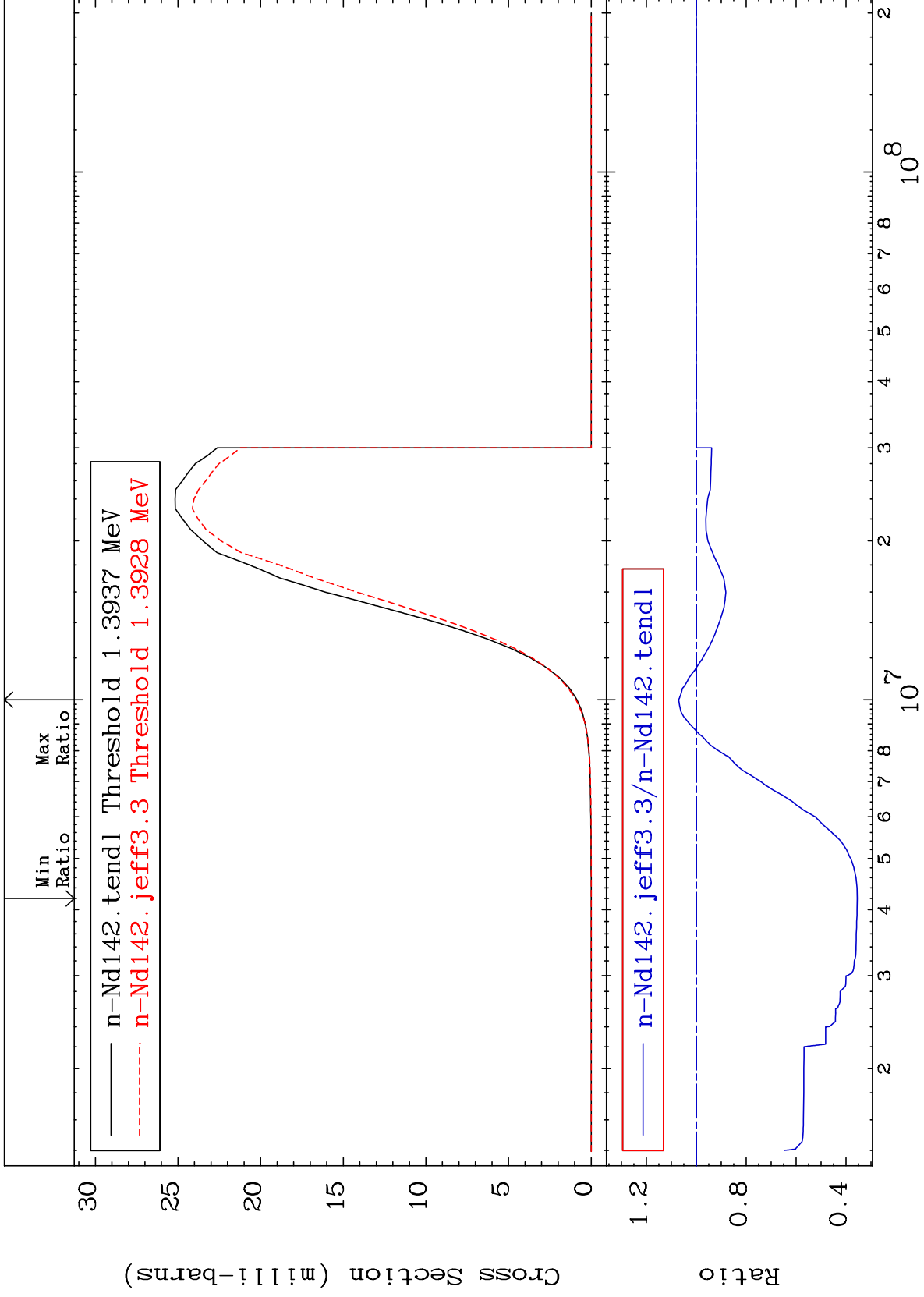
MAT 6025

(n, p) : 59-Pr-142g 60-Nd-142
Radionuclide Production Cross Section -72.51 To 9.585 %

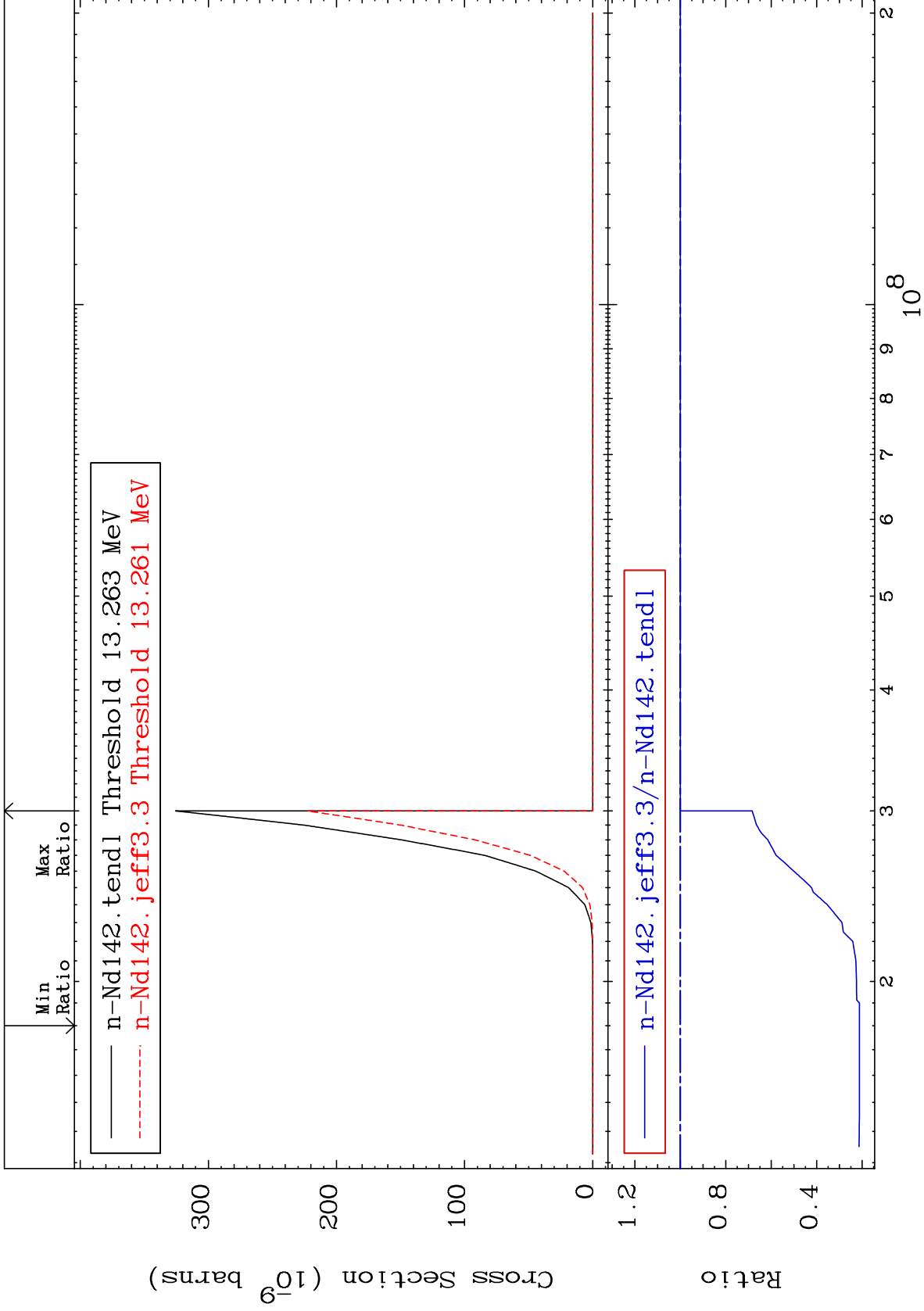


MAT 6025

(n, p) : 59-Pr-142m1 60-Nd-142
Radionuclide Production Cross Section -64.49 To 7.082 %



Radionuclide Production Cross Section -78.77 To 0.000 %



Radionuclide Production Cross Section -79.23 To 0.000 %

