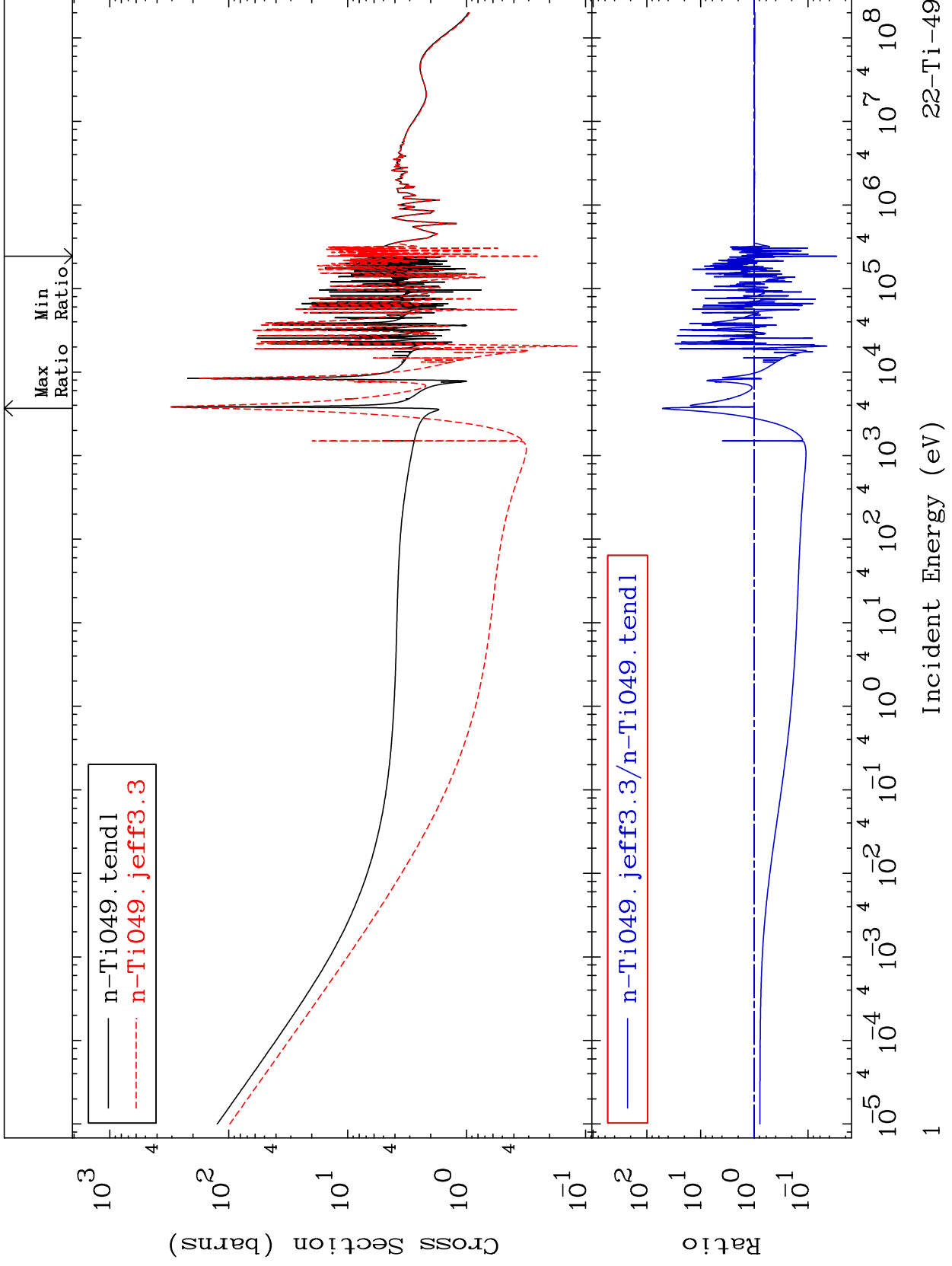


MAT 2234

Total
Cross Section

22-Ti-49
-97.07 To 5056. %



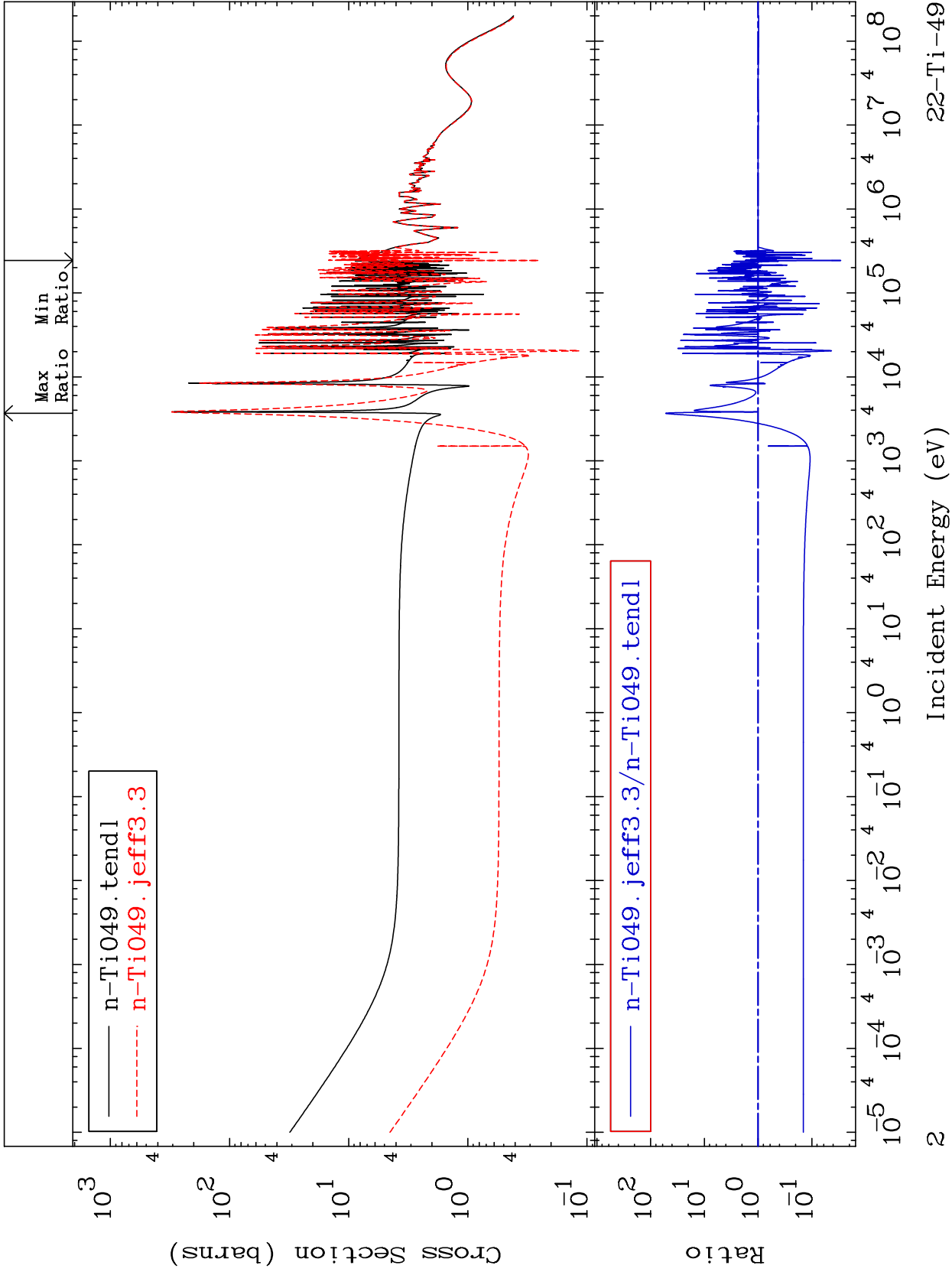
22-Ti-49

Incident Energy (eV)

MAT 2234

Elastic
Cross Section

22-Ti-49
-97.10 To 5187. %



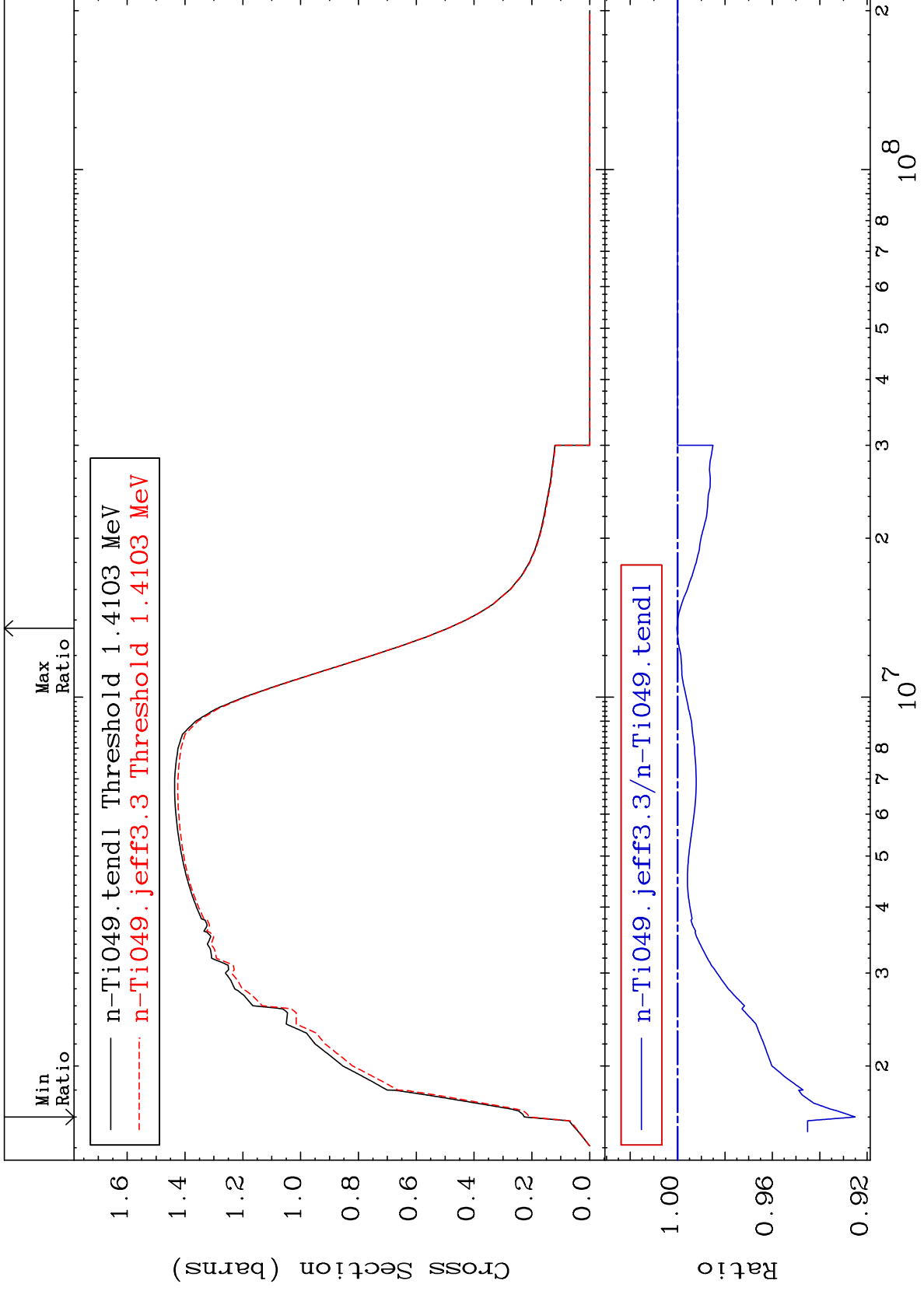
2

22-Ti-49

MAT 2234

Inelastic
Cross Section

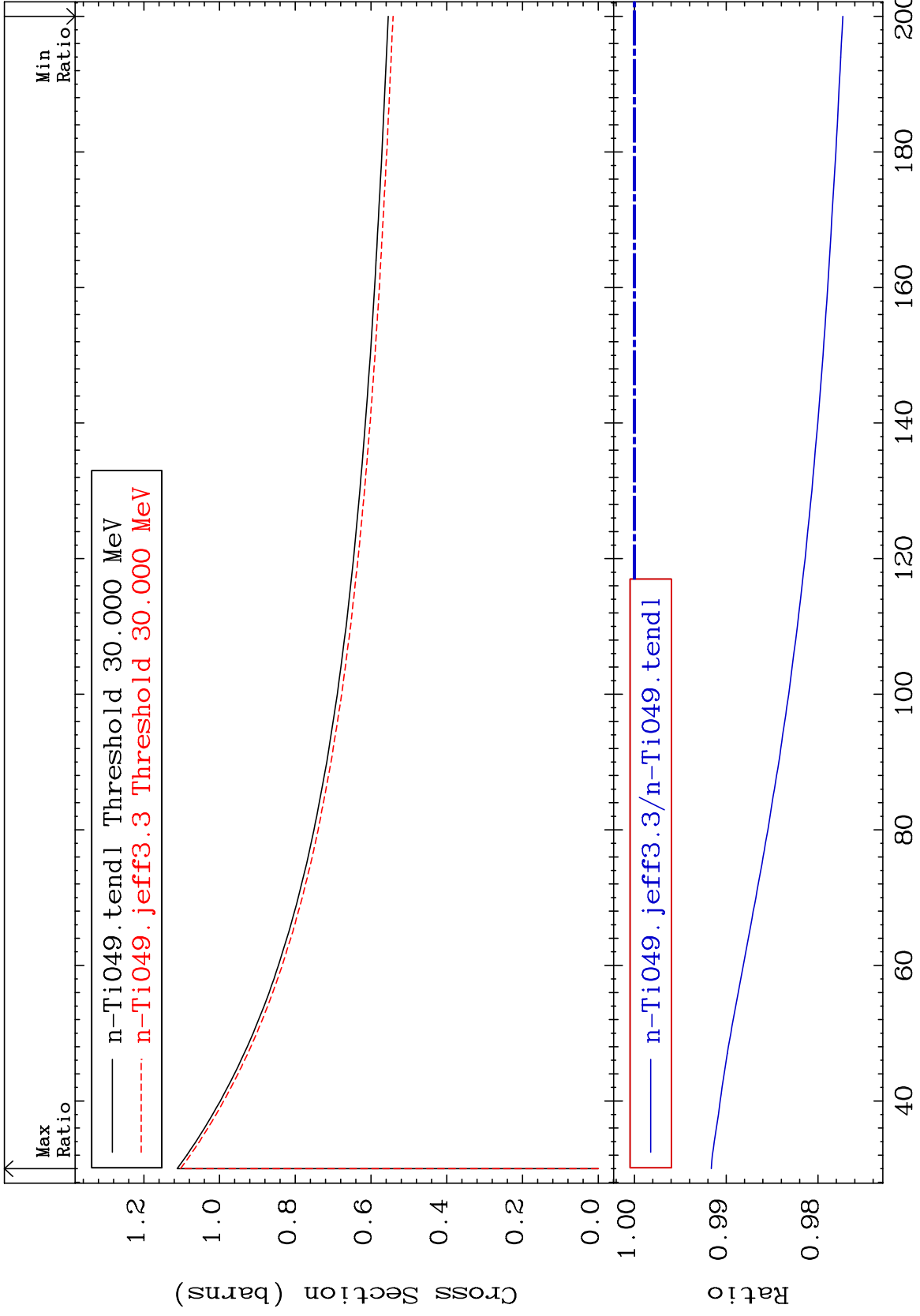
22-Ti-49
-7.493 To 0.028 %



MAT 2234

(n, remainder)
Cross Section

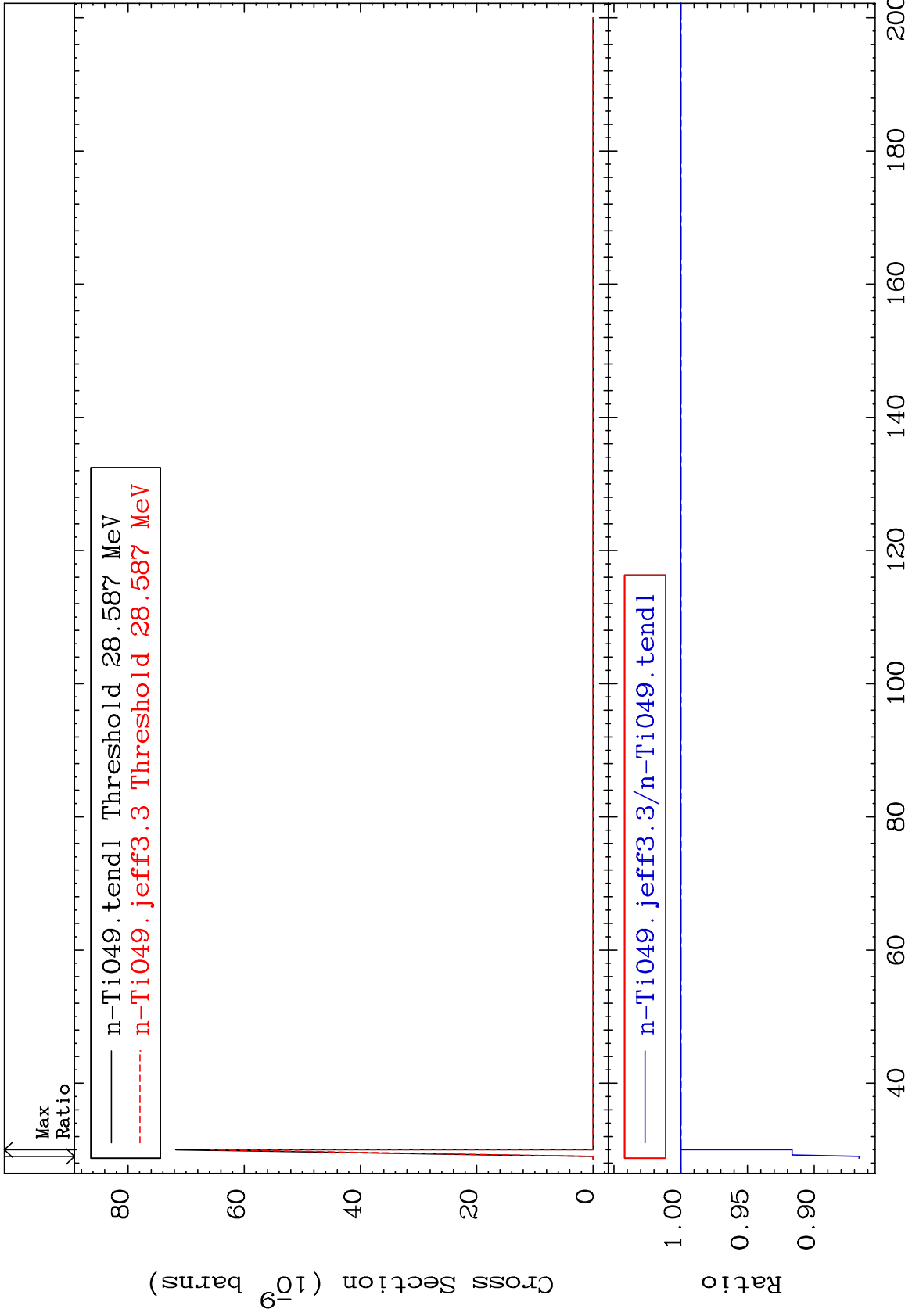
22-Ti-49
-2.271 To -0.837%



MAT 2234

(n,2n) d
Cross Section

22-Ti-49
-13.41 To 0.000 %



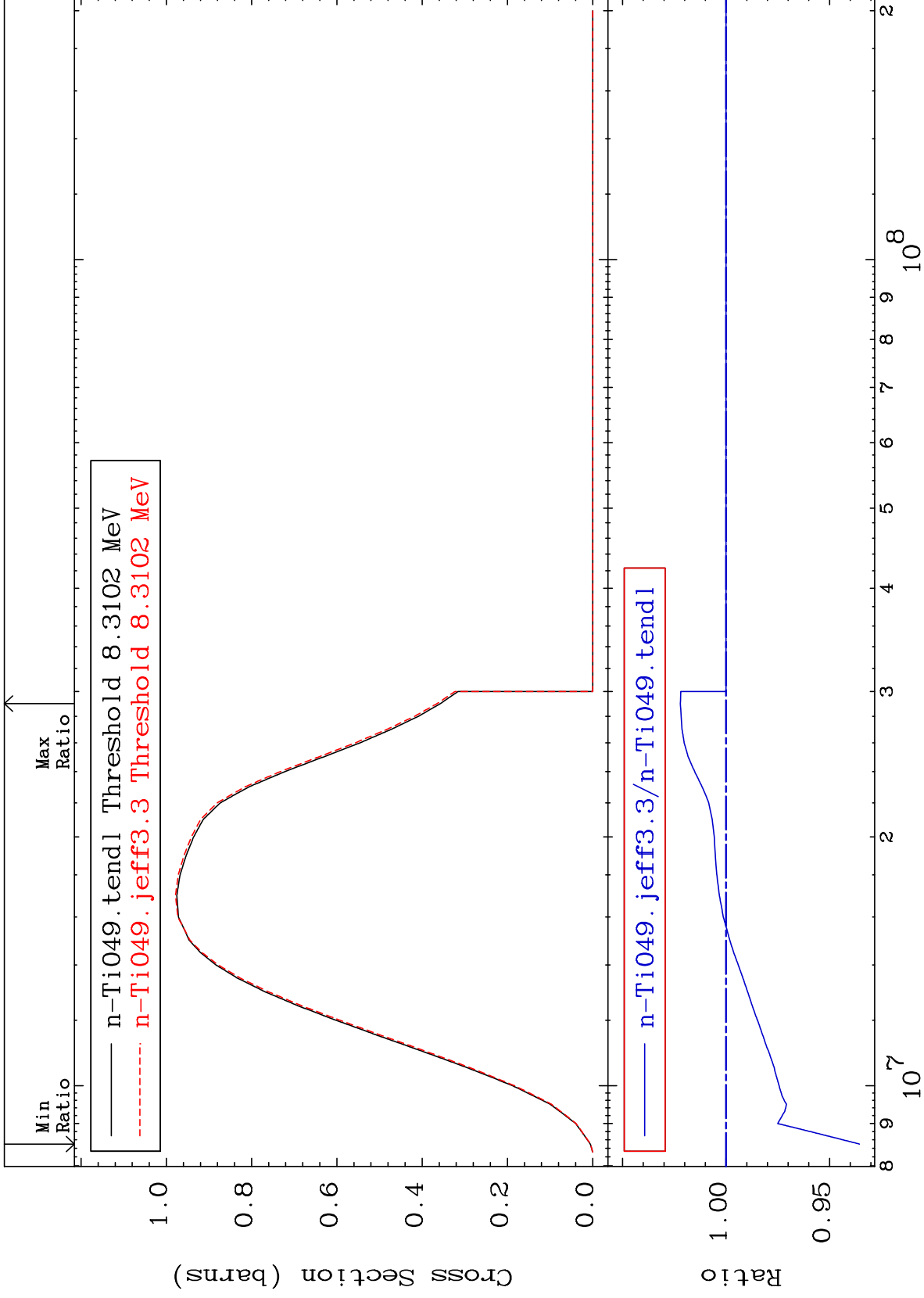
MAT 2234

(n,2n)

²²Ti-49

Cross Section

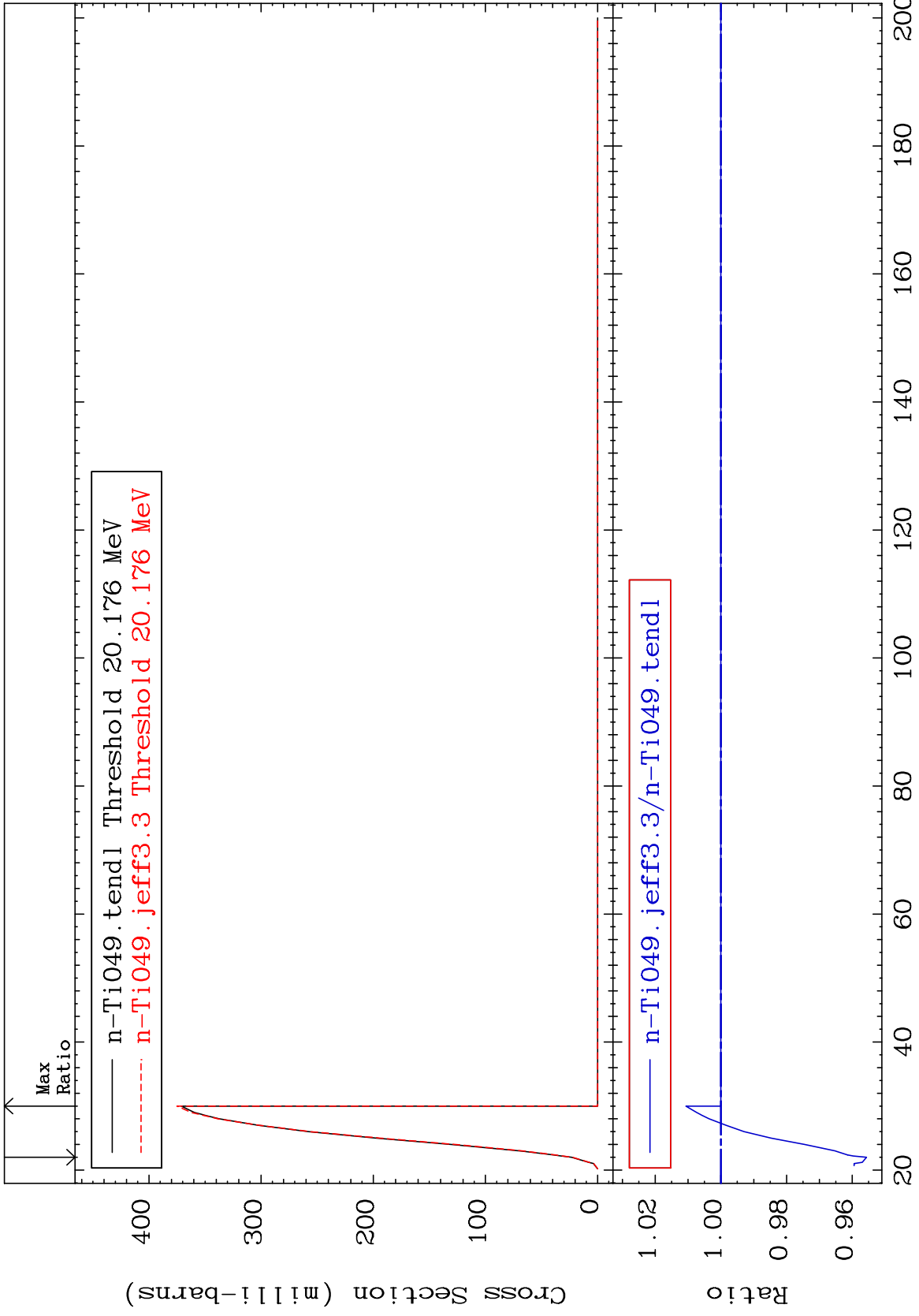
-6.444 To 2.208 %



MAT 2234

(n,3n)
Cross Section

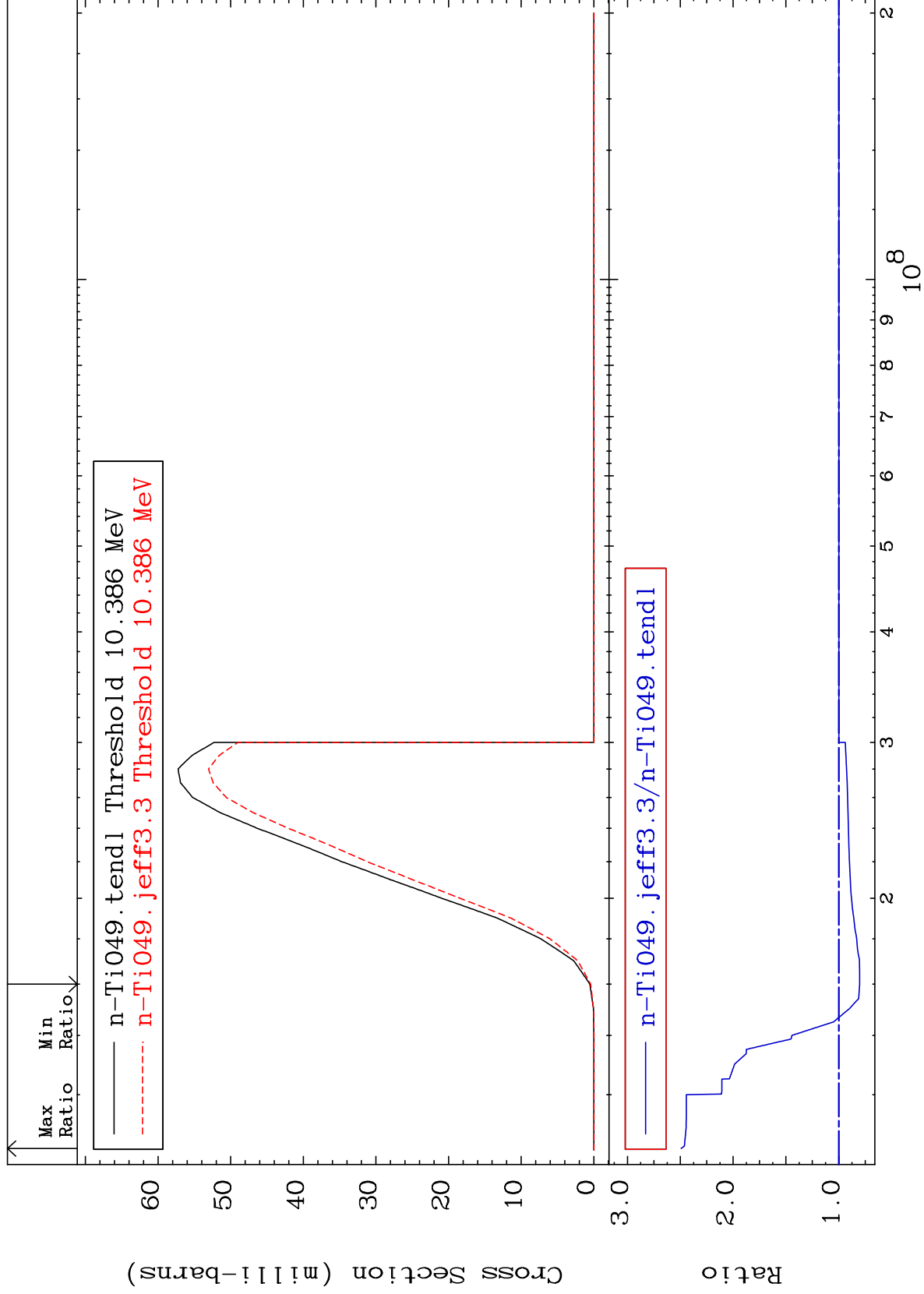
²²Ti-49
-4.435 To 1.063 %



MAT 2234

(n,n') α
Cross Section

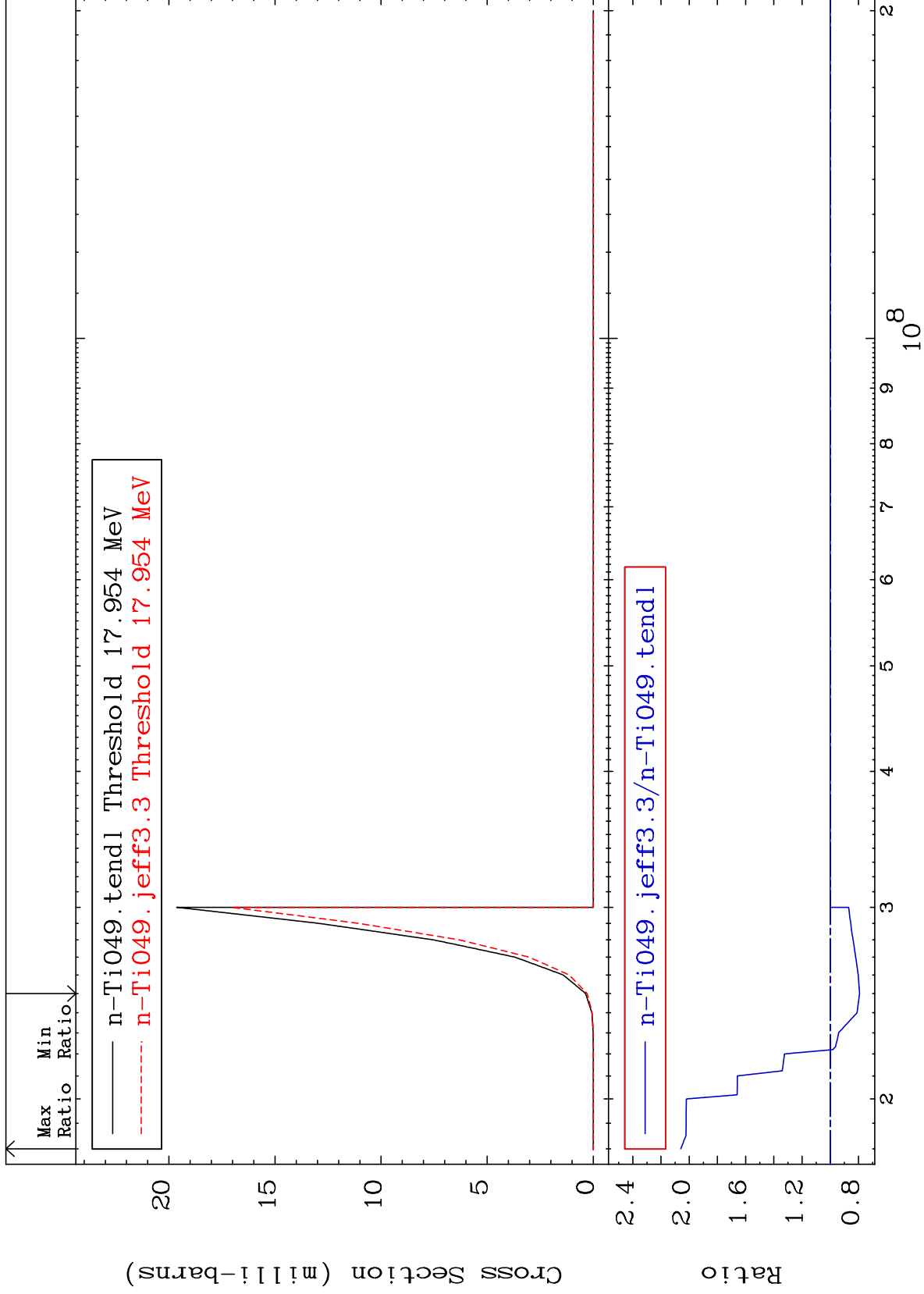
²²Ti-49
-19.77 To 149.2 %



MAT 2234

(n,2n) α
Cross Section

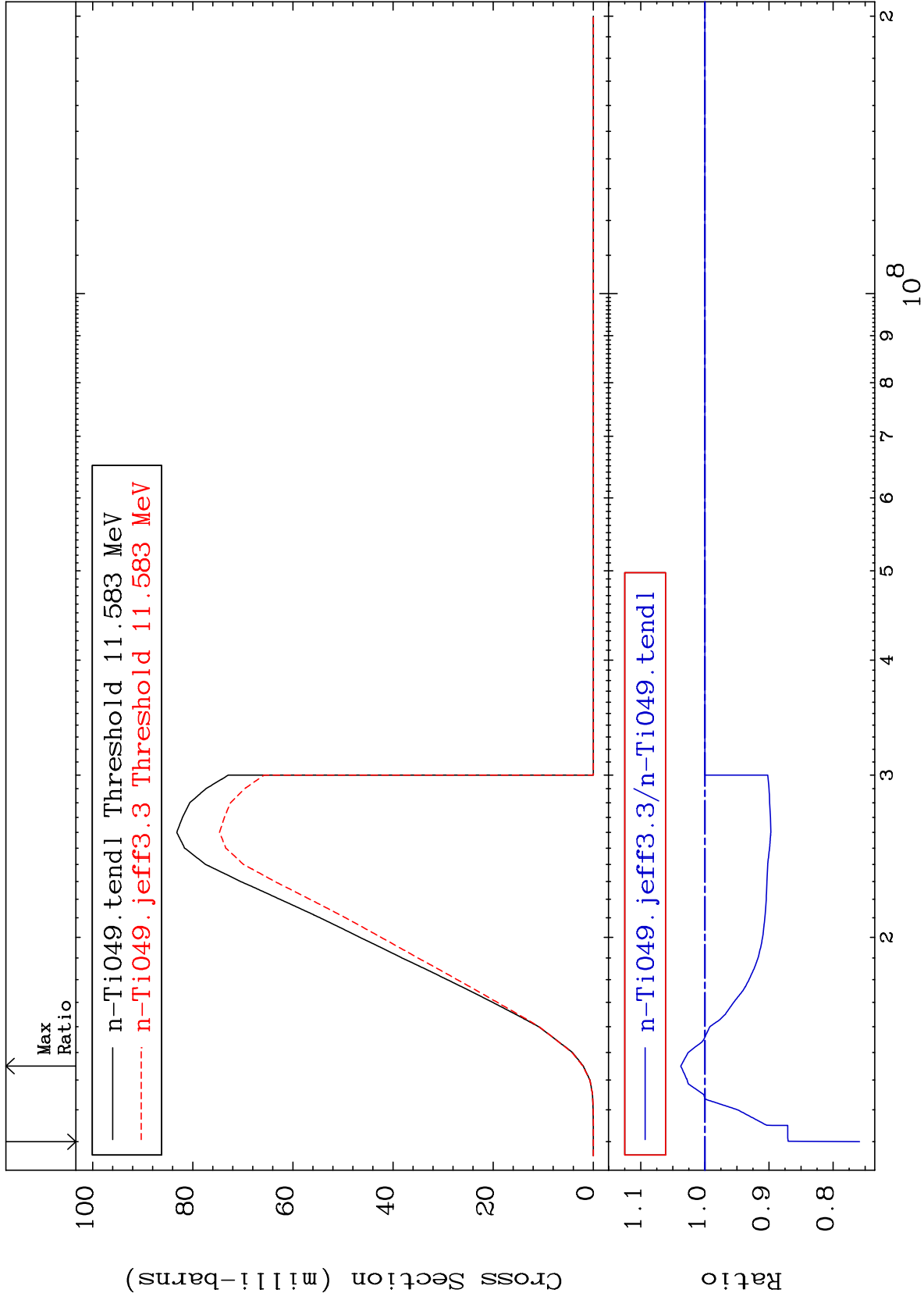
22-Ti-49
-20.78 To 106.0 %



MAT 2234

(n,n') p
Cross Section

²²Ti-49
-24.12 To 3.768 %



10

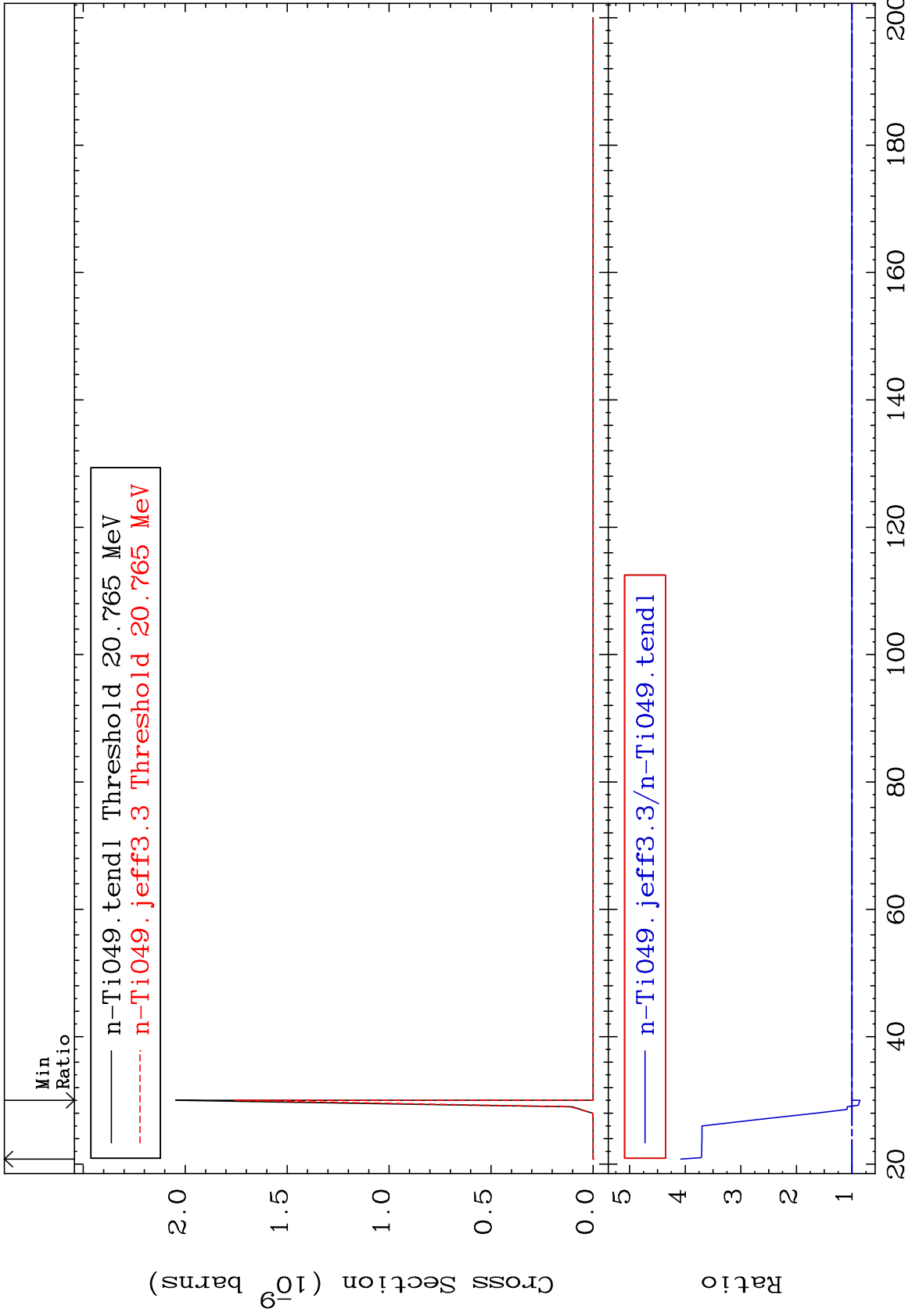
Incident Energy (eV)

²²Ti-49

MAT 2234

(n, n') 2α
Cross Section

$^{22}\text{Ti}-49$
-14.14 To 308.1 %



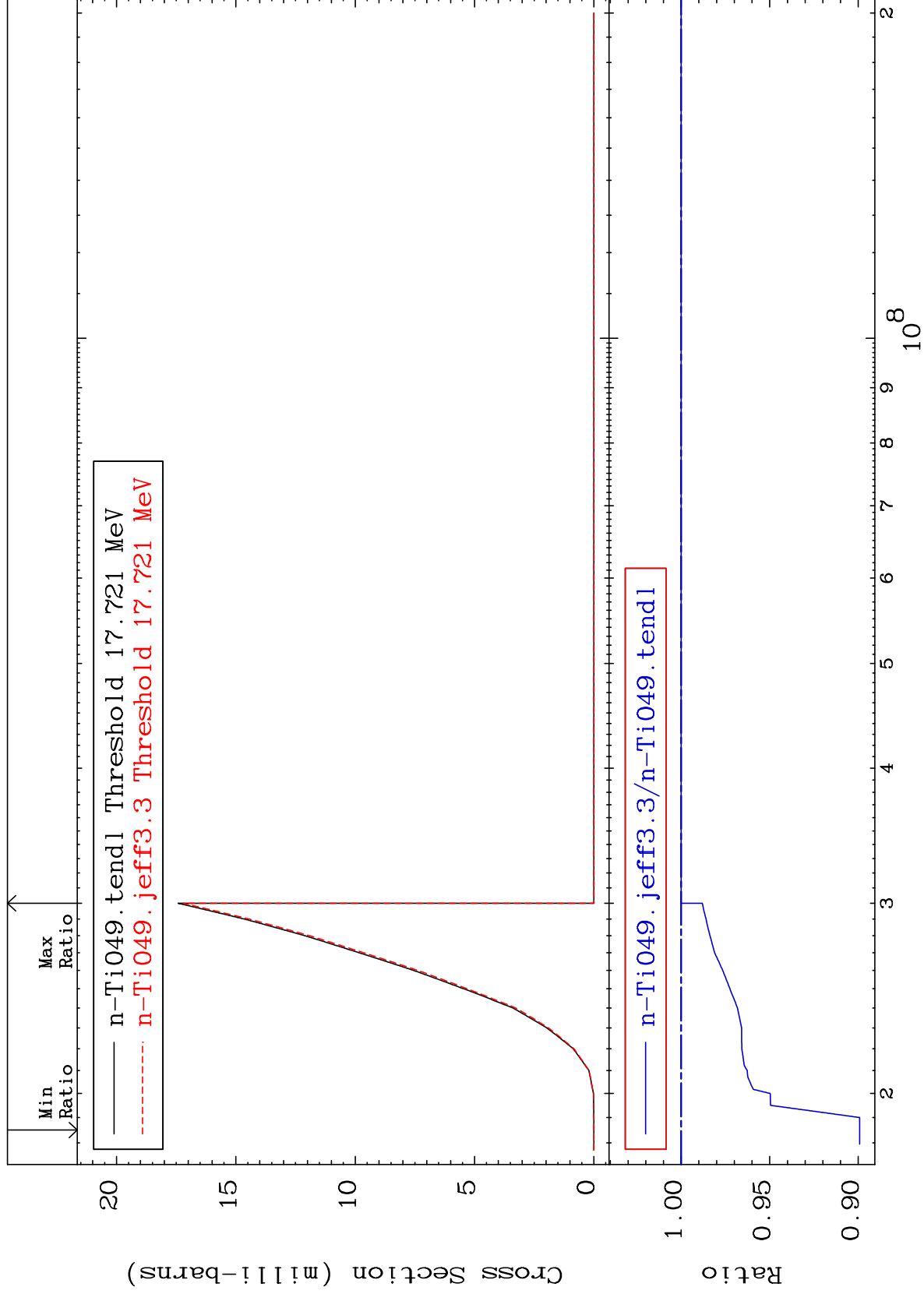
MAT 2234

(n,n') d

²²Ti-49

Cross Section

-10.08 To 0.000 %



12

Incident Energy (eV)

²²Ti-49

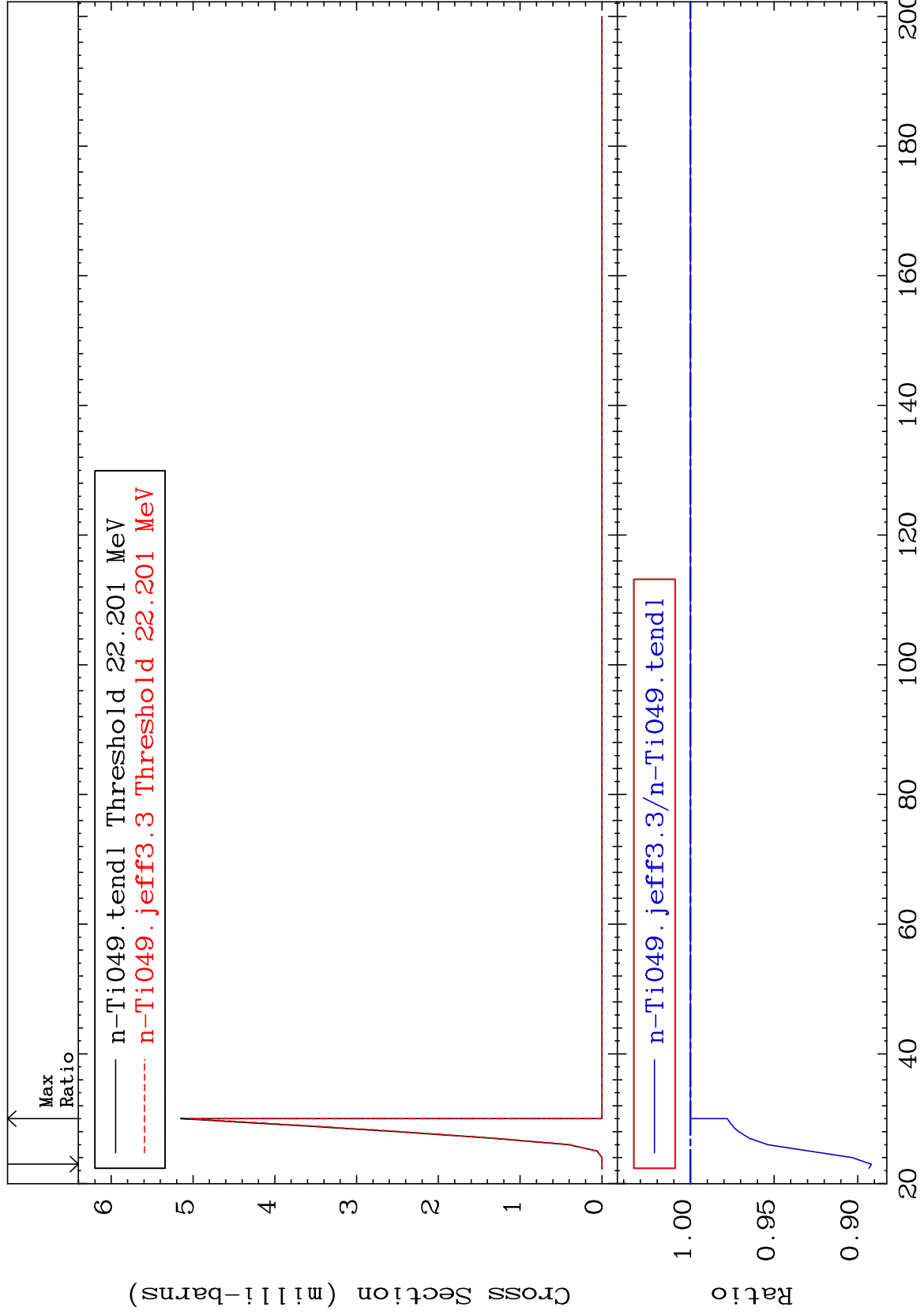
MAT 2234

(n,n') t

²²Ti-49

Cross Section

-10.83 To 0.000 %



13

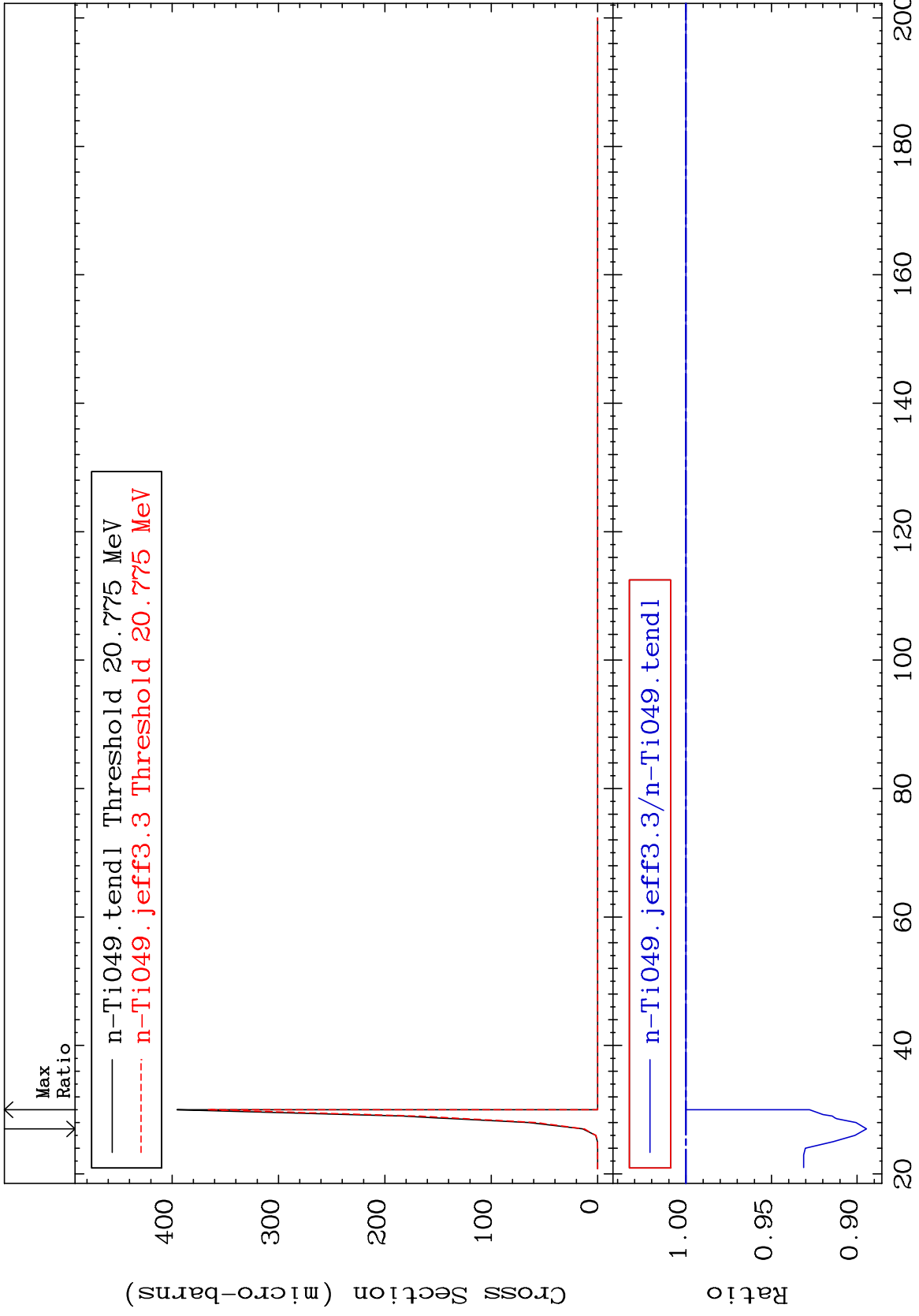
Incident Energy (MeV)

²²Ti-49

MAT 2234

(n, n') He-3
Cross Section

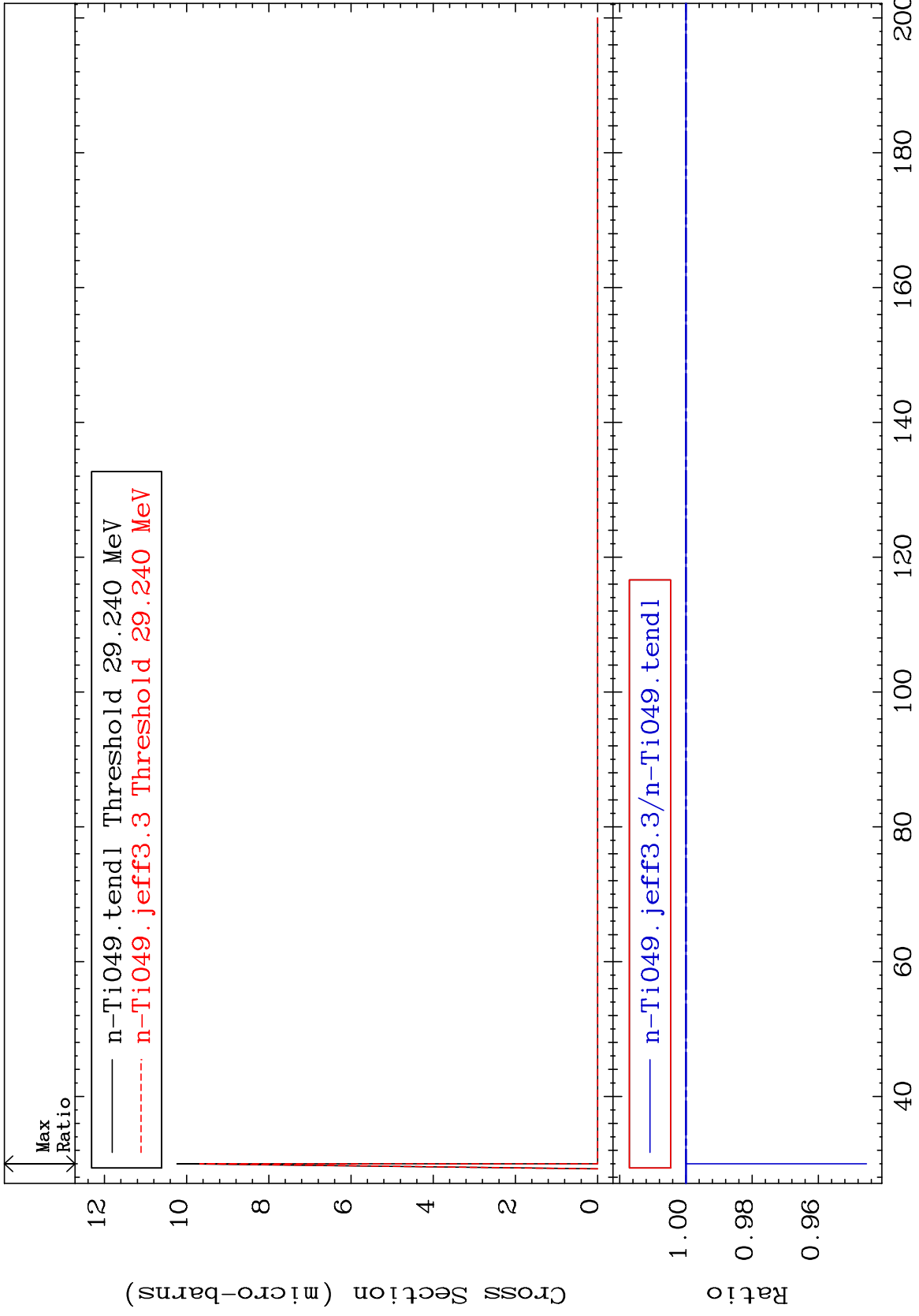
22-Ti-49
-10.55 To 0.000 %



MAT 2234

(n,4n)
Cross Section

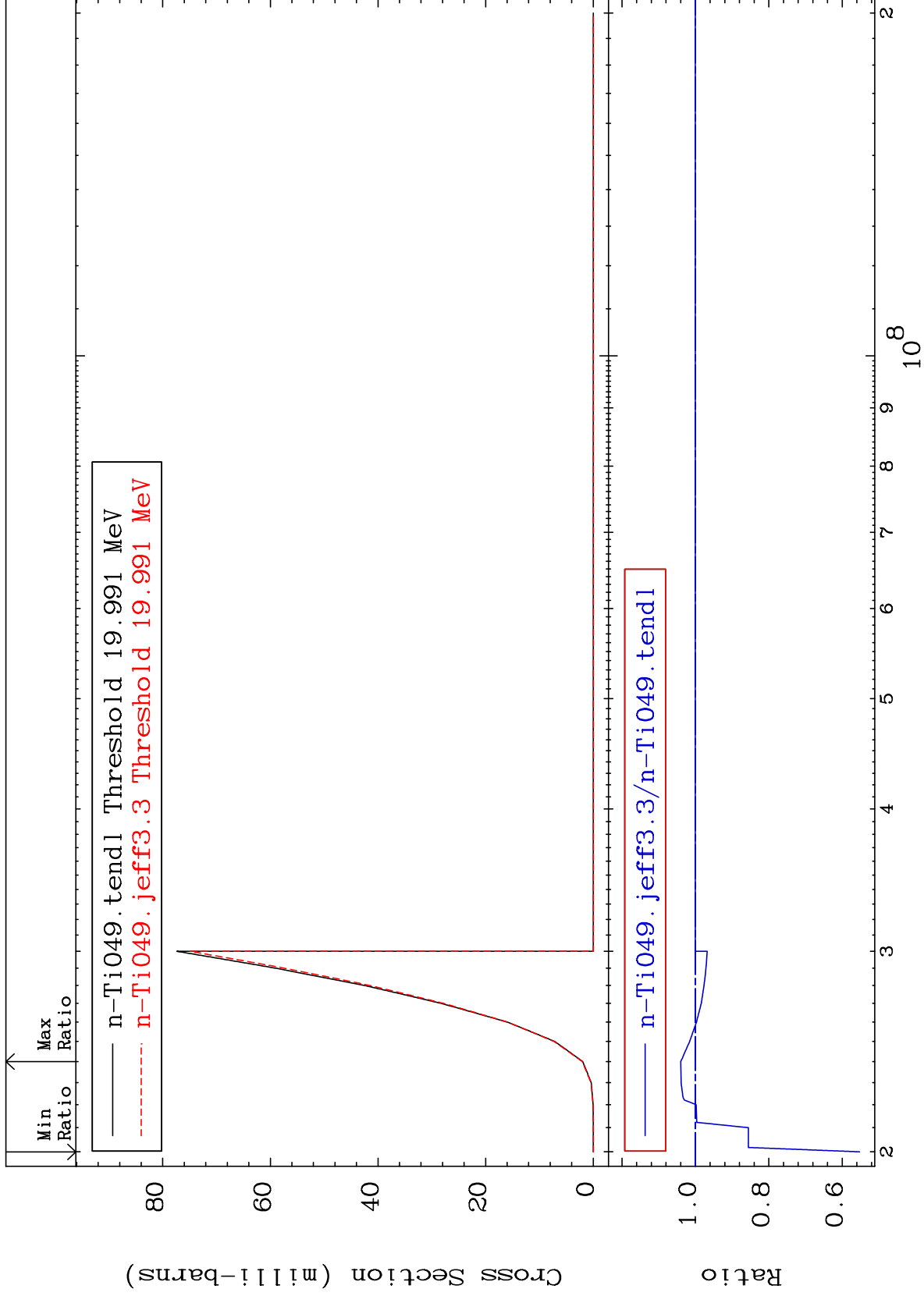
²²Ti-49
-5.455 To 0.000 %



MAT 2234

(n,2n) p
Cross Section

22-Ti-49
-44.71 To 3.979 %



16

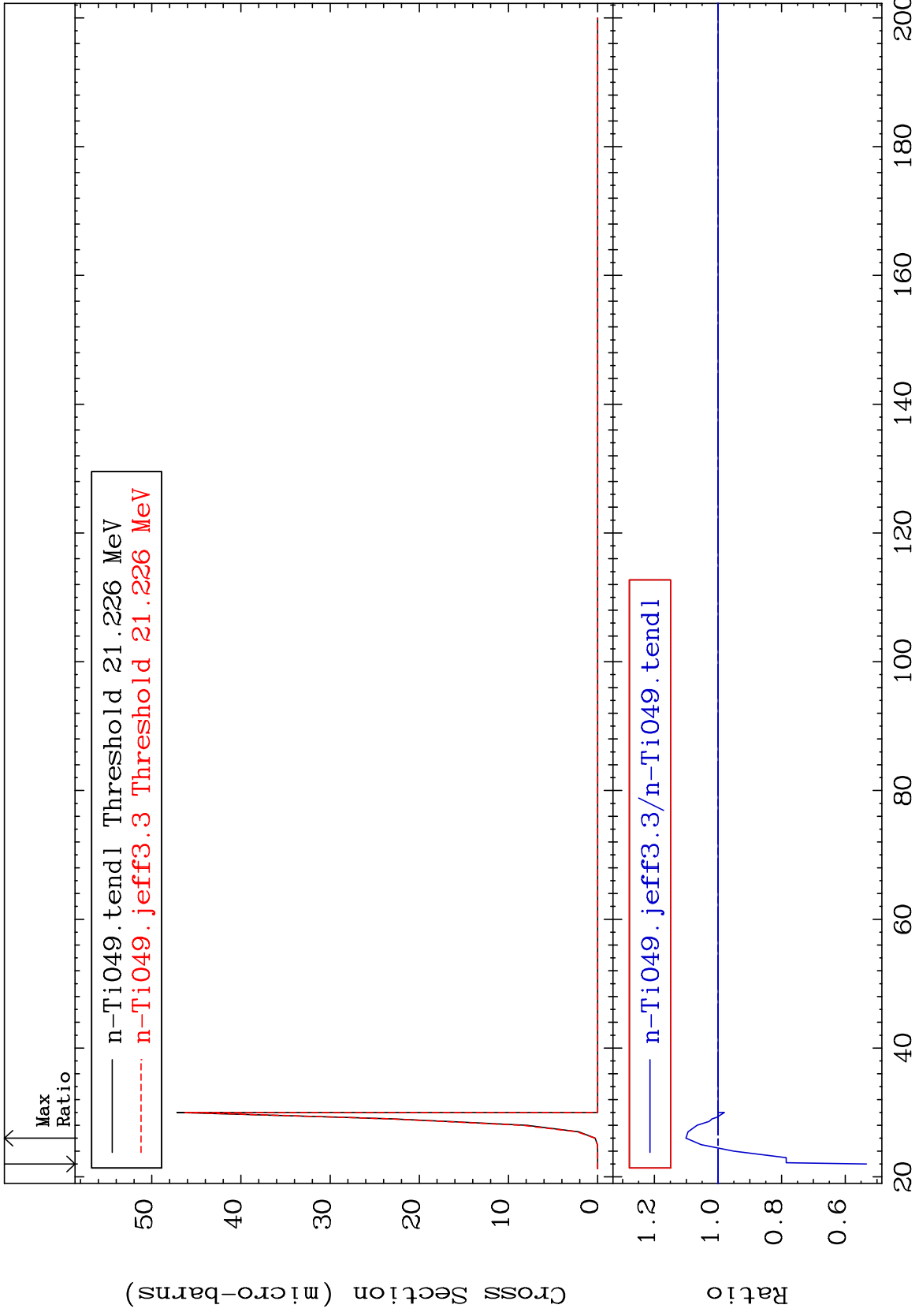
Incident Energy (eV)

22-Ti-49

MAT 2234

(n,2n) p
Cross Section

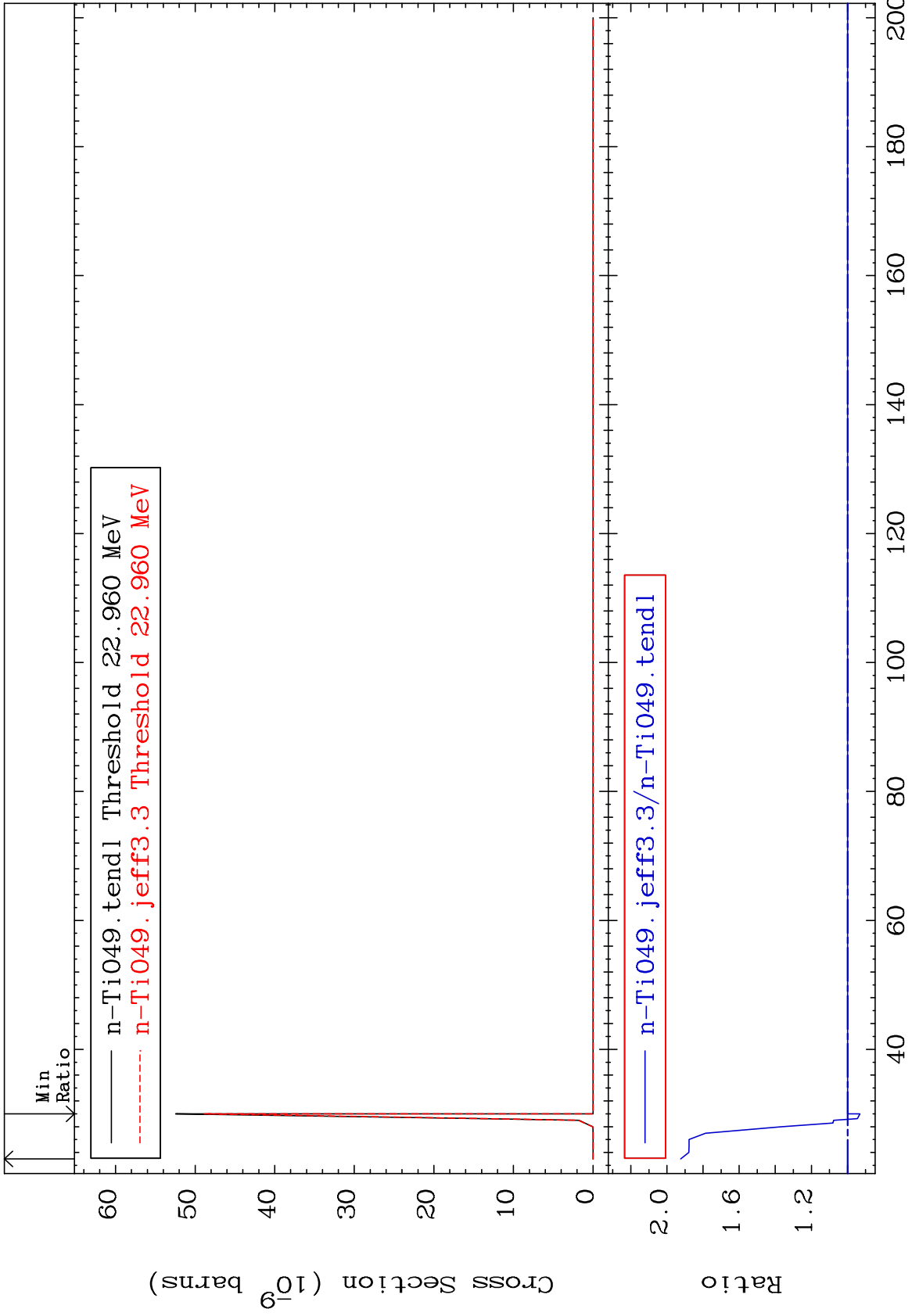
²²Ti-49
-46.71 To 10.10 %



MAT 2234

(n,n') p α
Cross Section

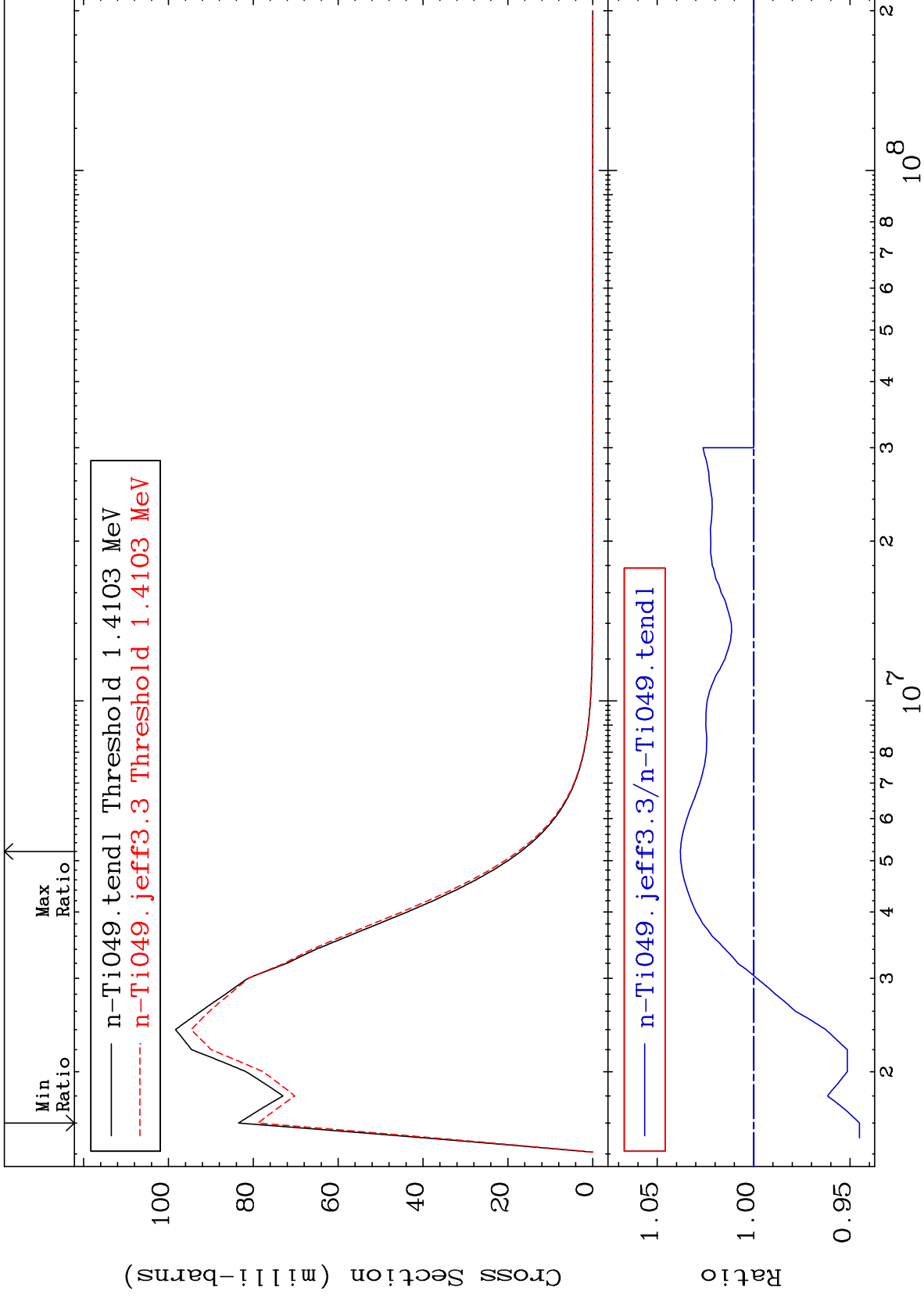
²²Ti-49
-6.854 To 92.36 %



MAT 2234

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

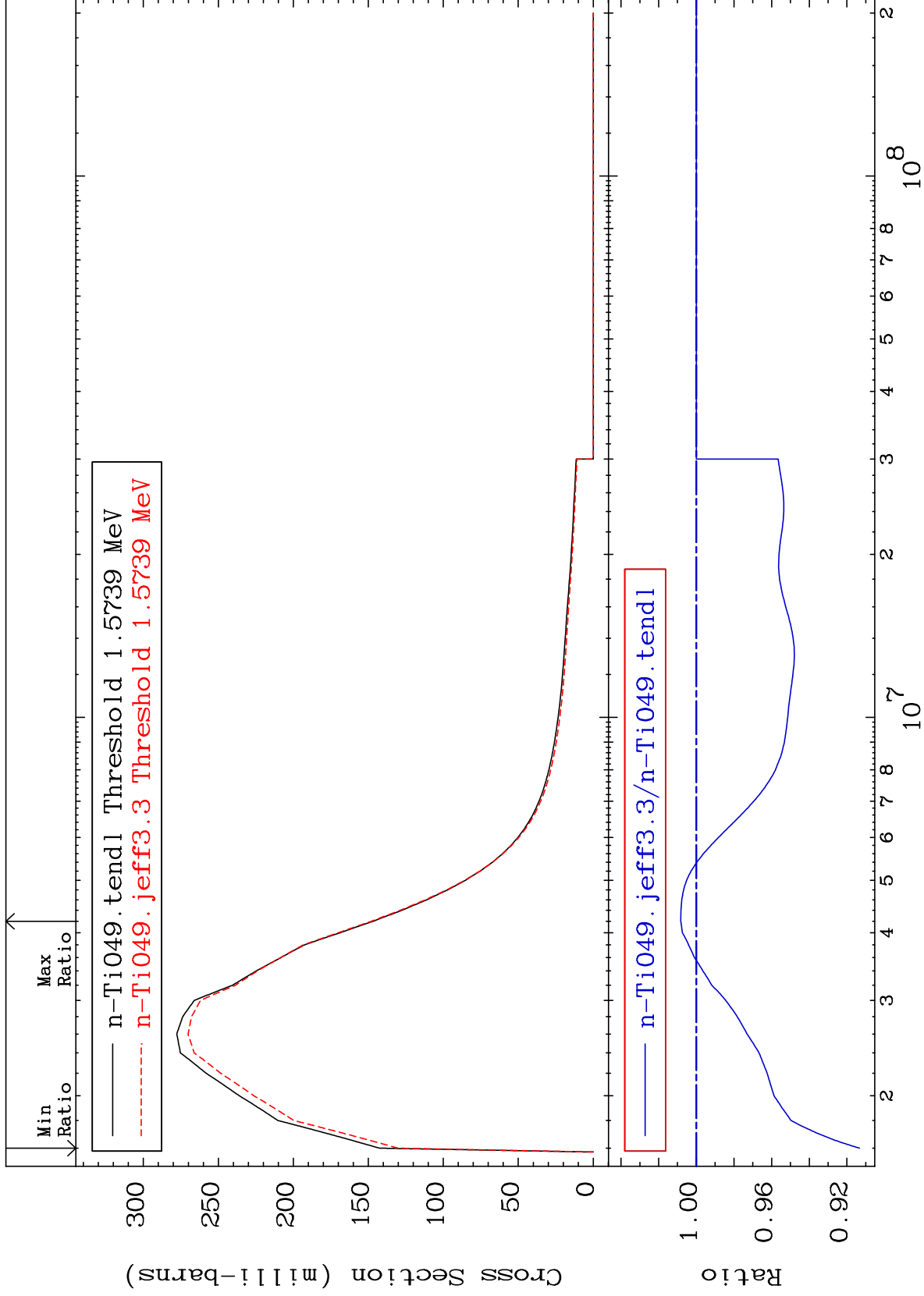
22-Ti-49
-5.483 To 3.802 %



MAT 2234

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

22-Ti-49
-8.670 To 0.826 %



20

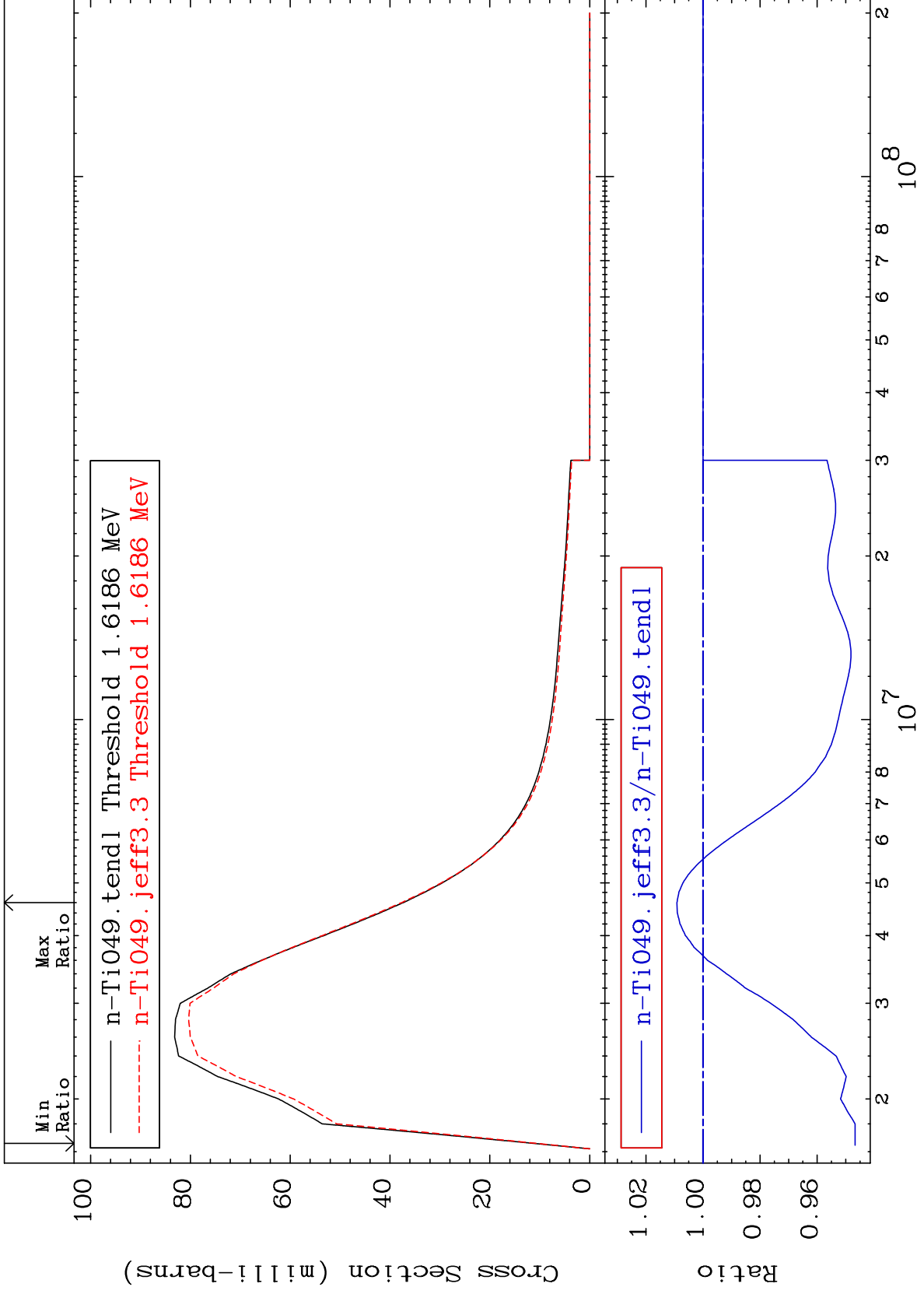
Incident Energy (eV)

22-Ti-49

MAT 2234

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

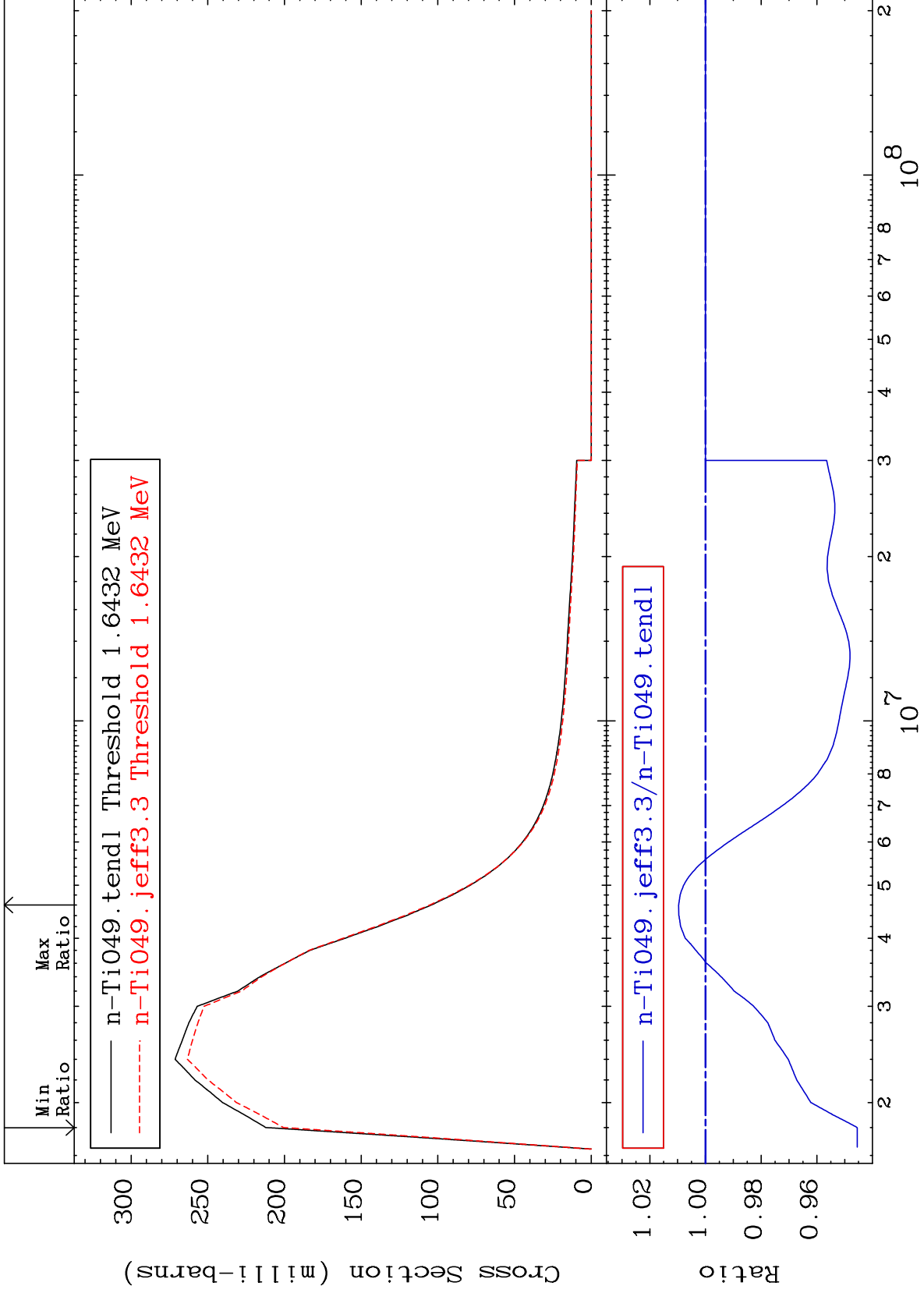
22-Ti-49
-5.329 To 0.915 %



MAT 2234

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

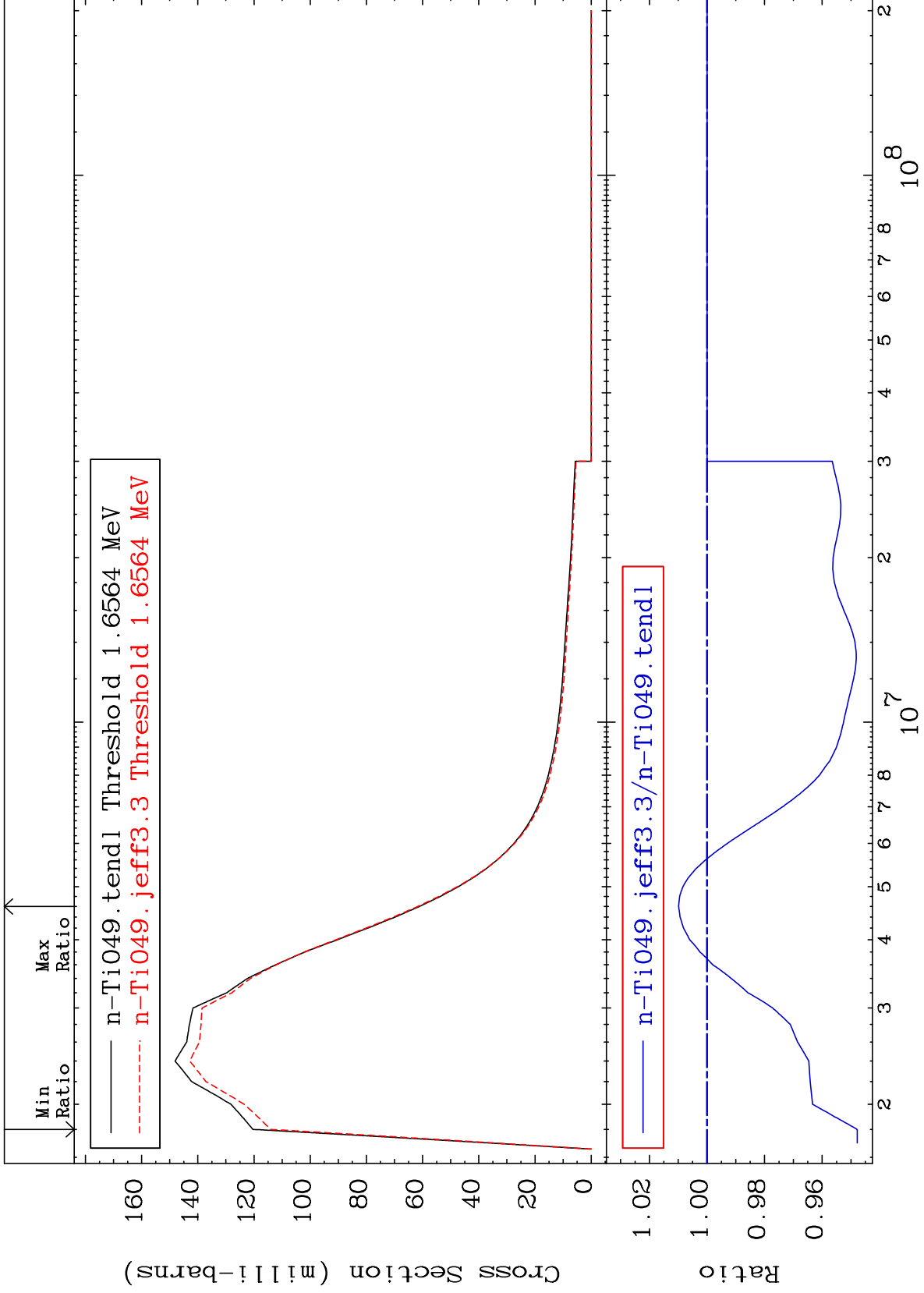
22-Ti-49
-5.452 To 0.964 %



MAT 2234

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

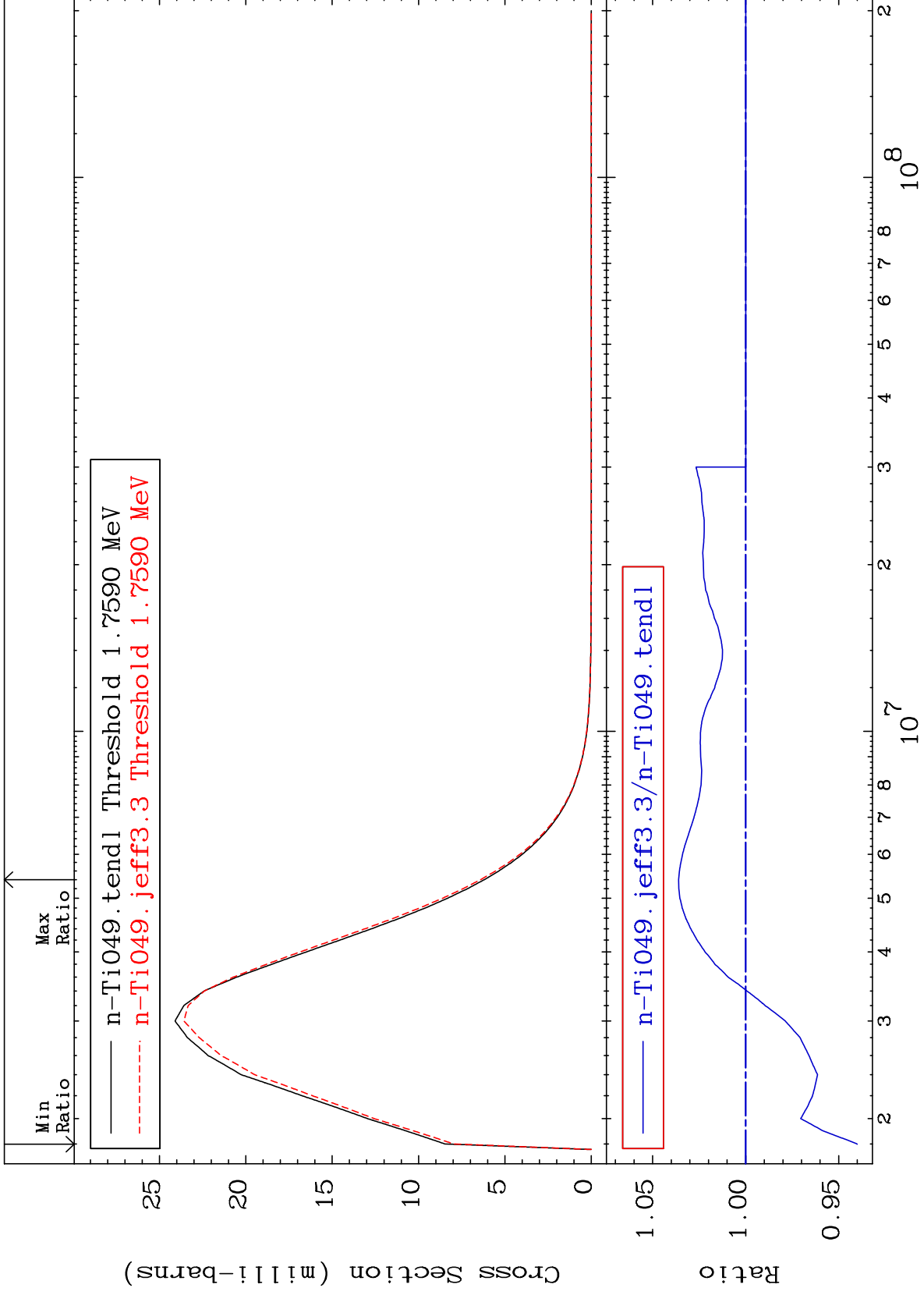
22-Ti-49
-5.218 To 0.985 %



MAT 2234

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

22-Ti-49
-5.995 To 3.602 %



24

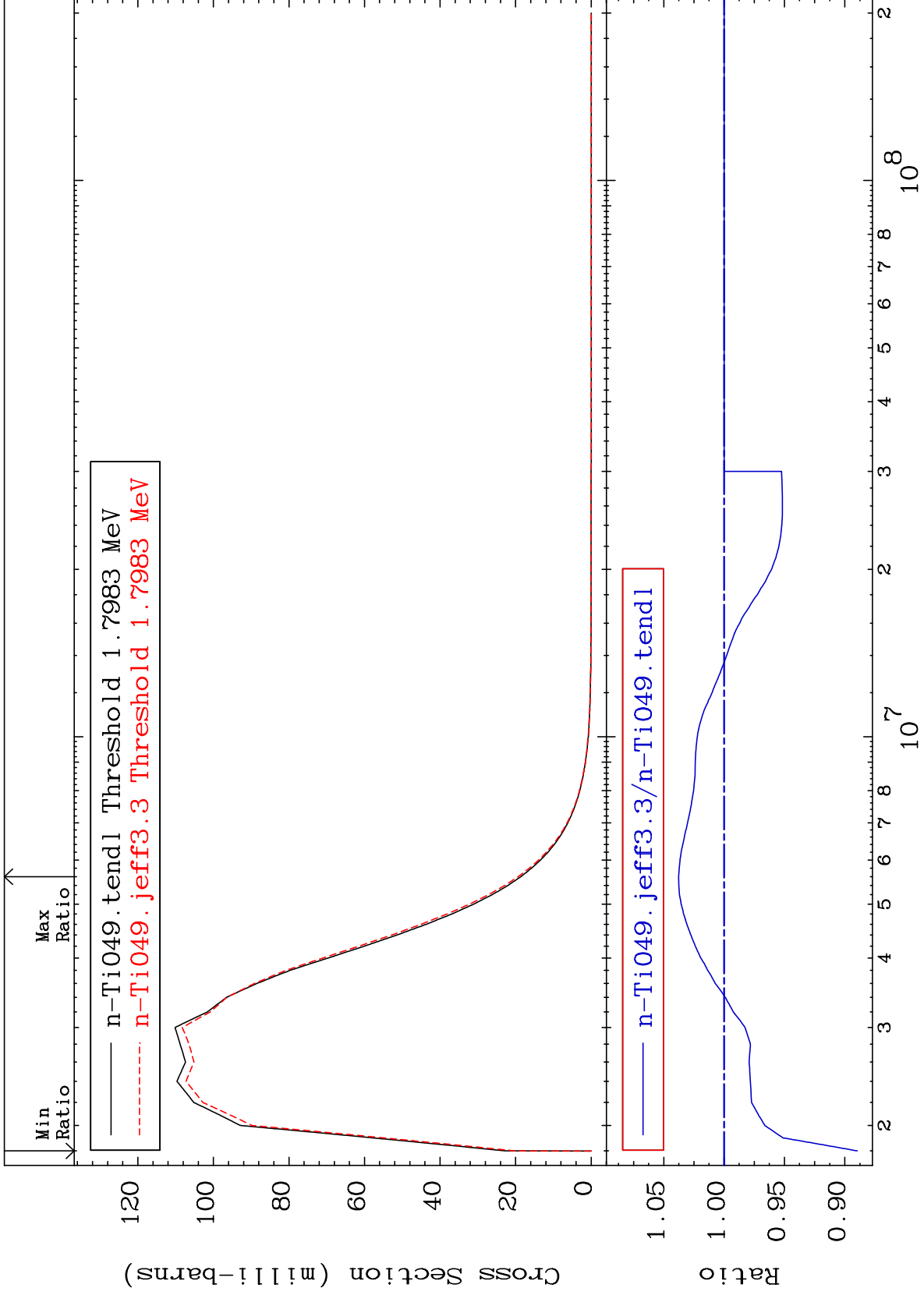
Incident Energy (eV)

22-Ti-49

MAT 2234

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

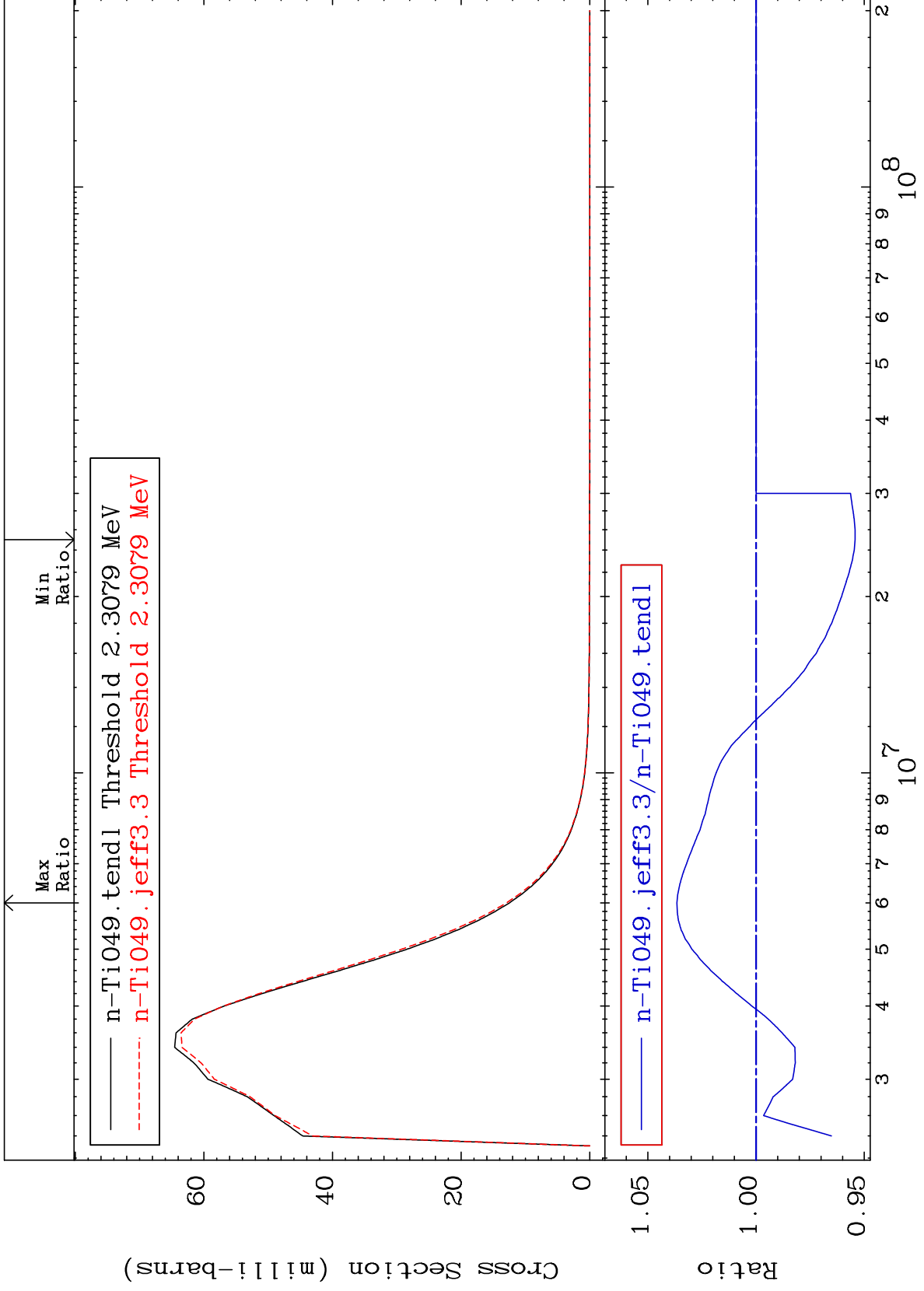
22-Ti-49
-11.03 To 3.766 %



MAT 2234

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

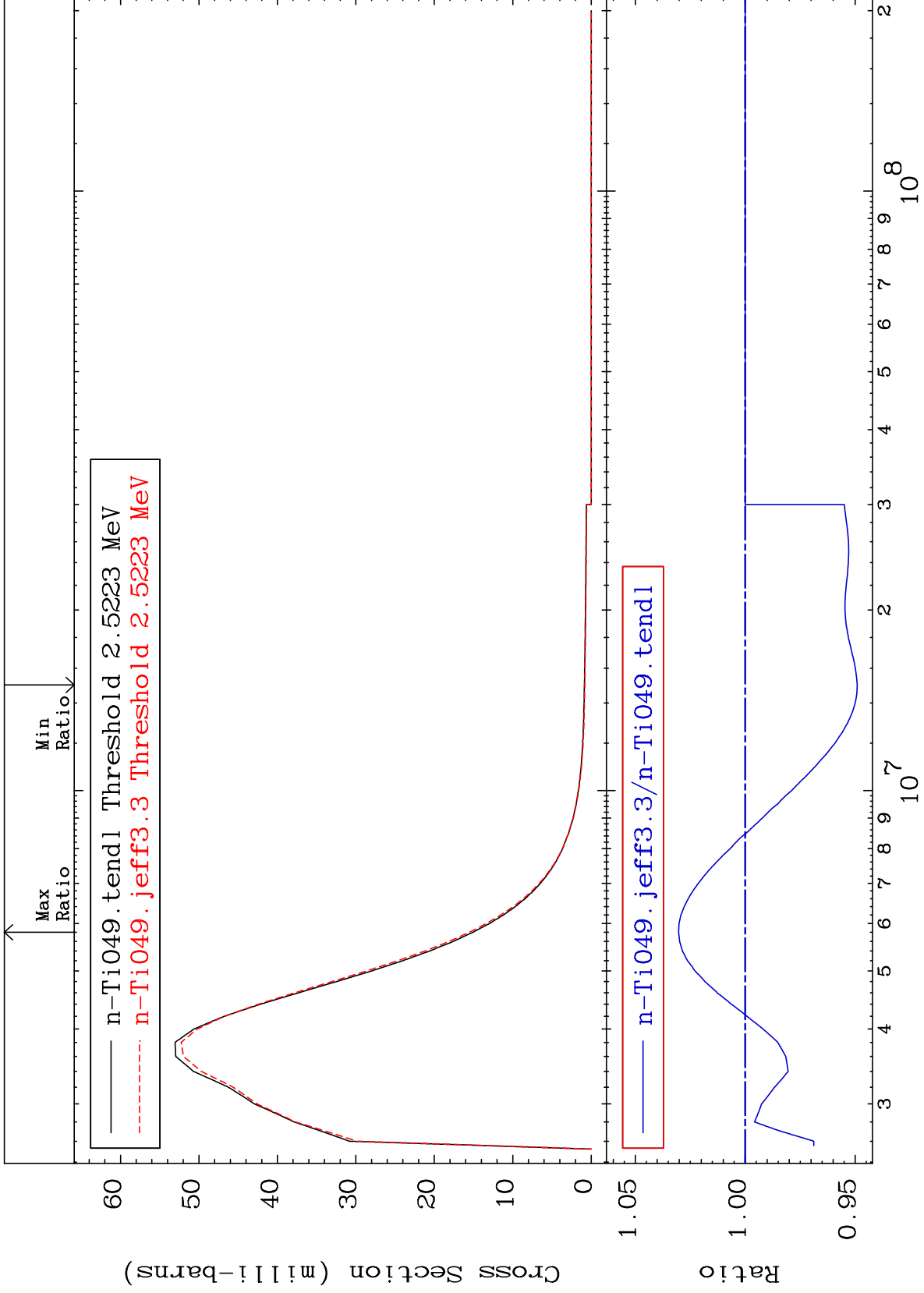
22-Ti-49
-4.575 To 3.658 %



MAT 2234

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

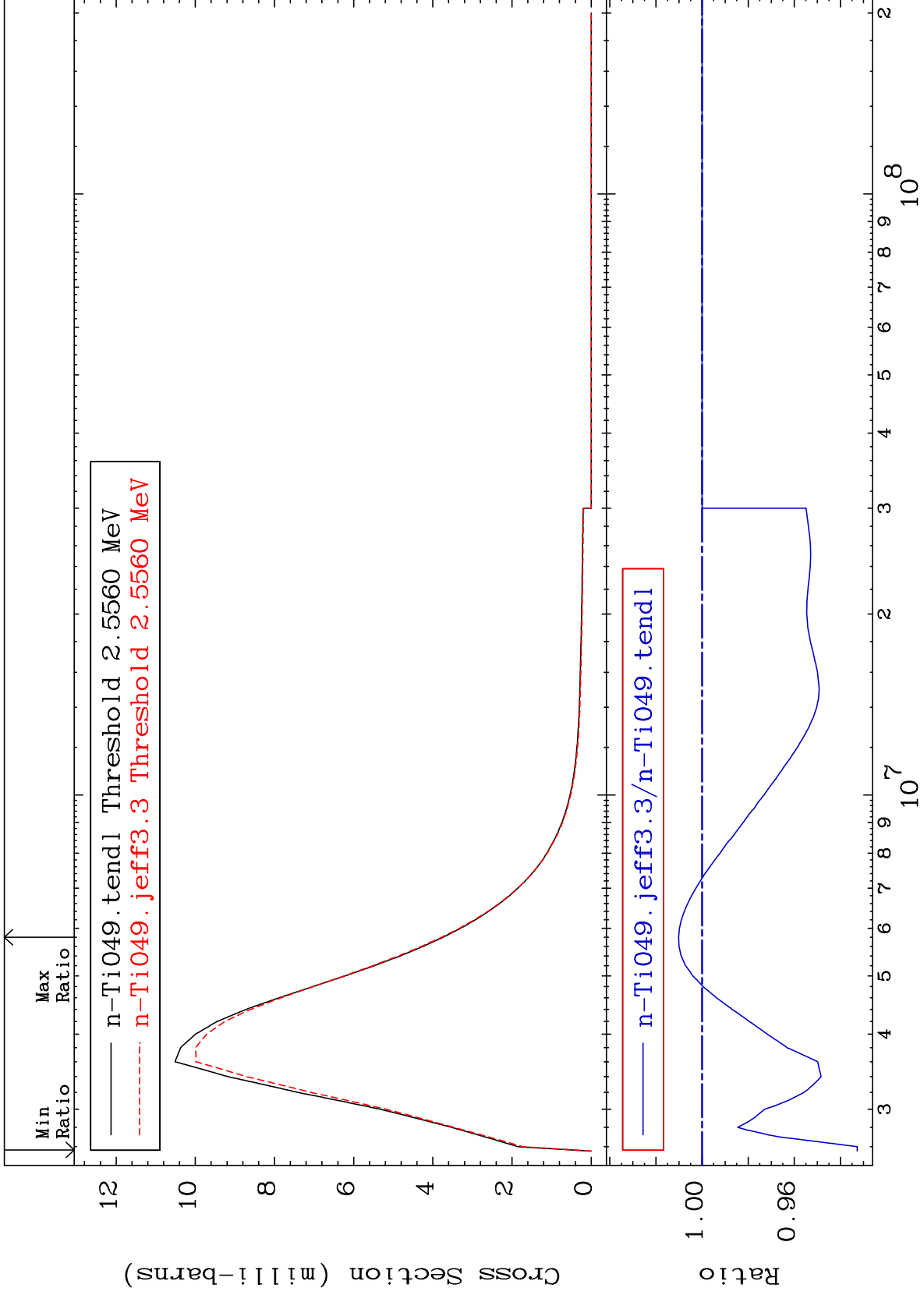
22-Ti-49
-5.097 To 3.027 %



MAT 2234

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

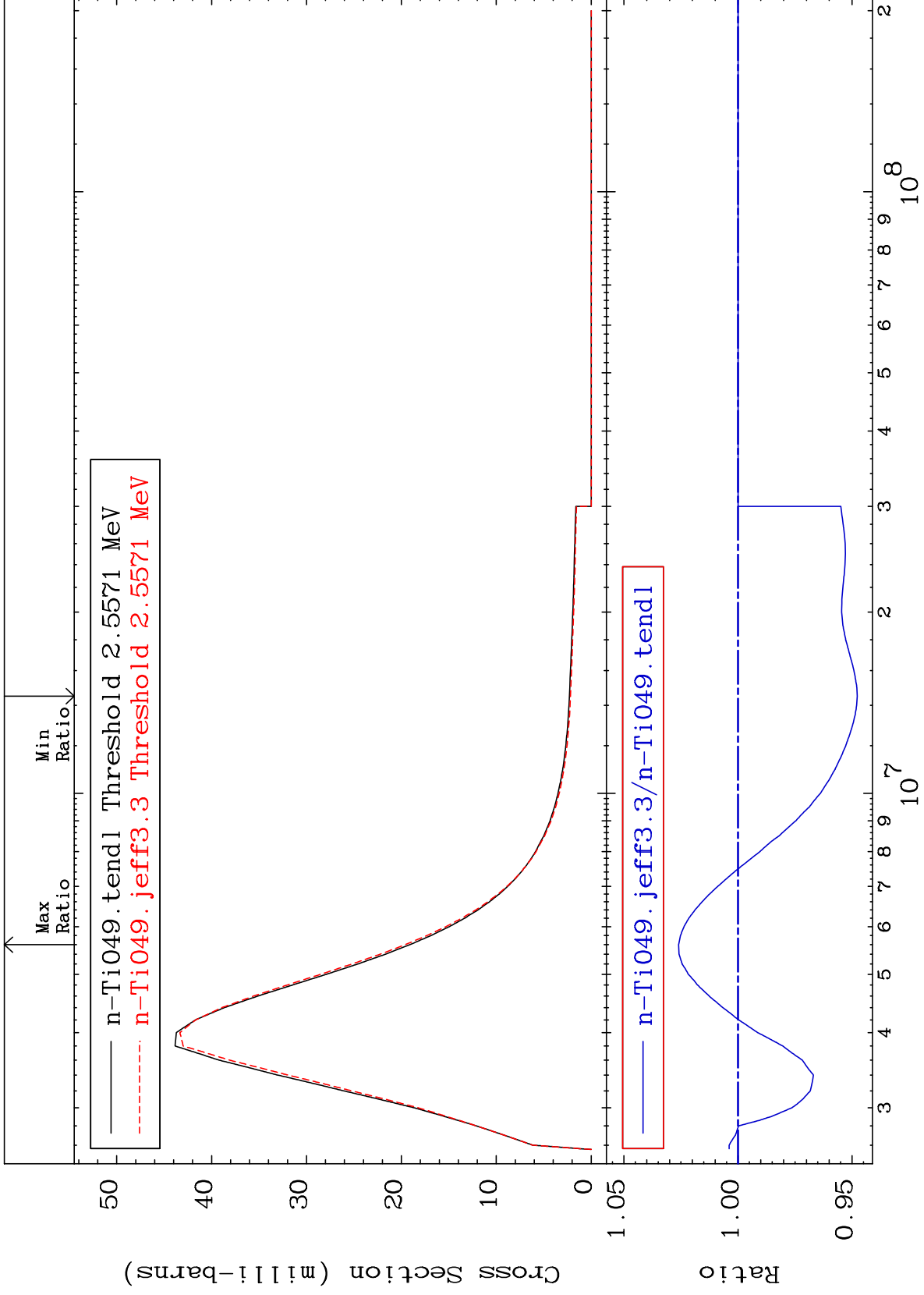
22-Ti-49
-6.729 To 1.017 %



MAT 2234

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

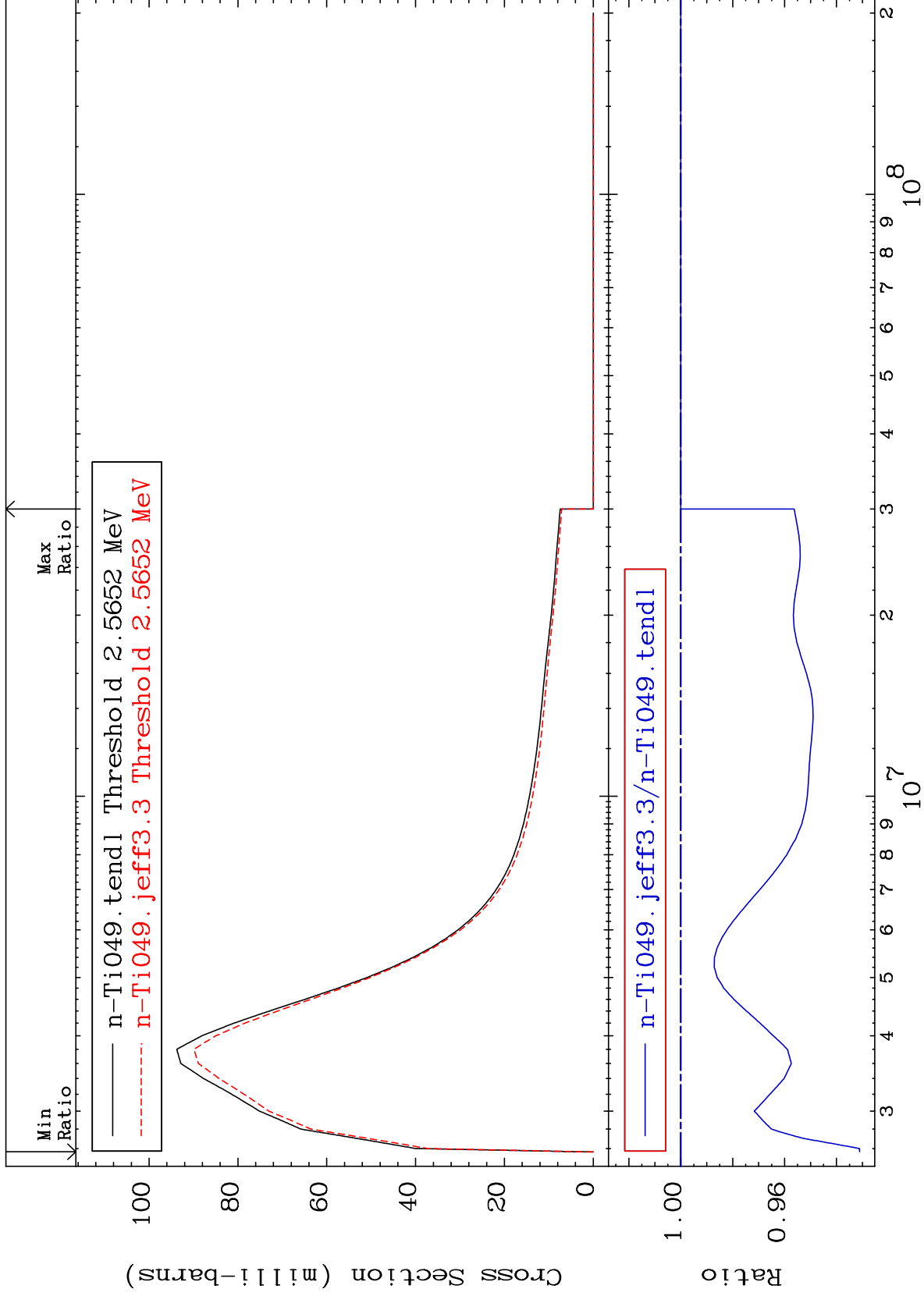
22-Ti-49
-5.228 To 2.602 %



MAT 2234

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

22-Ti-49
-6.887 To 0.000 %



30

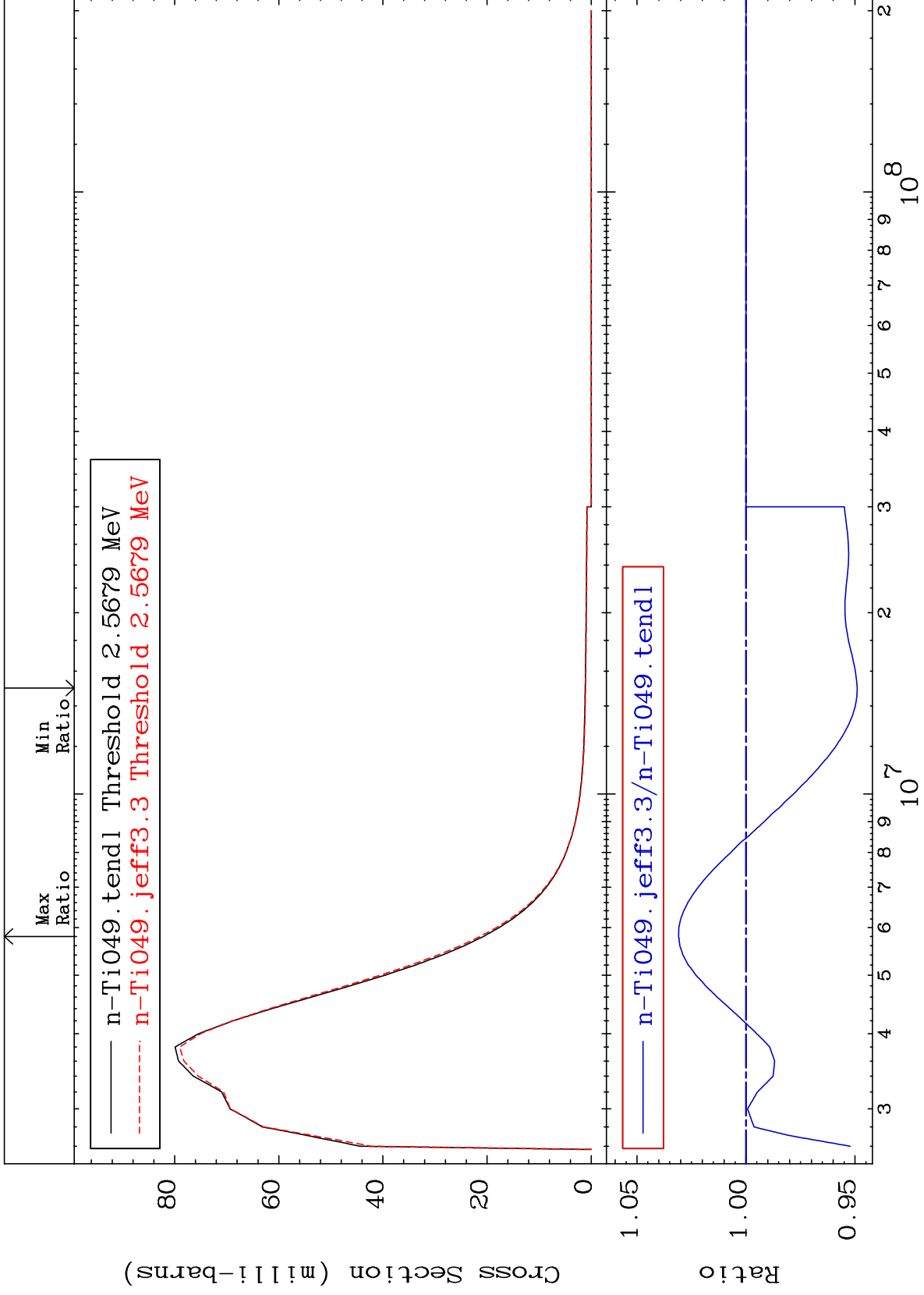
22-Ti-49

22-Ti-49

MAT 2234

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

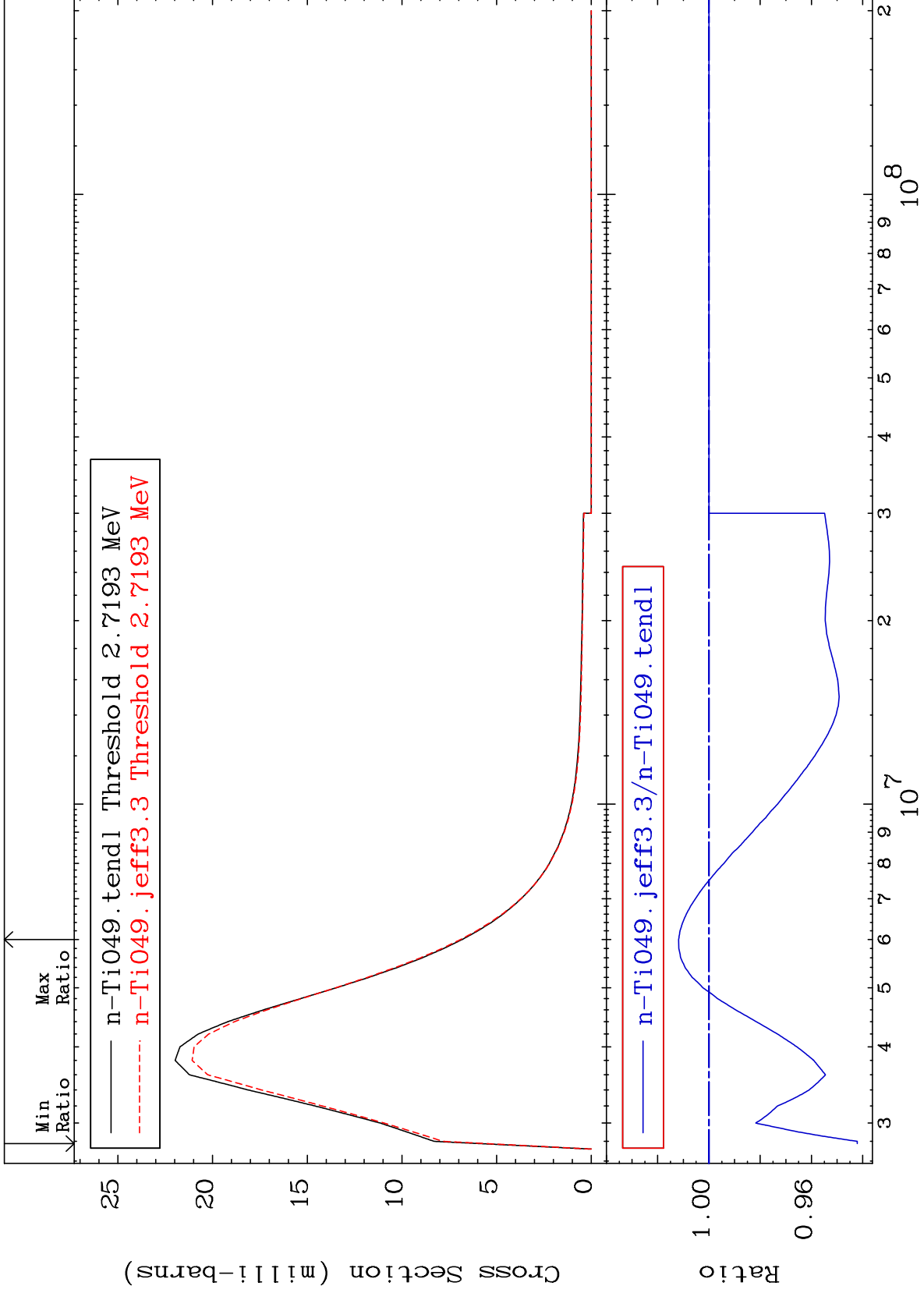
22-Ti-49
-5.104 To 3.089 %



MAT 2234

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

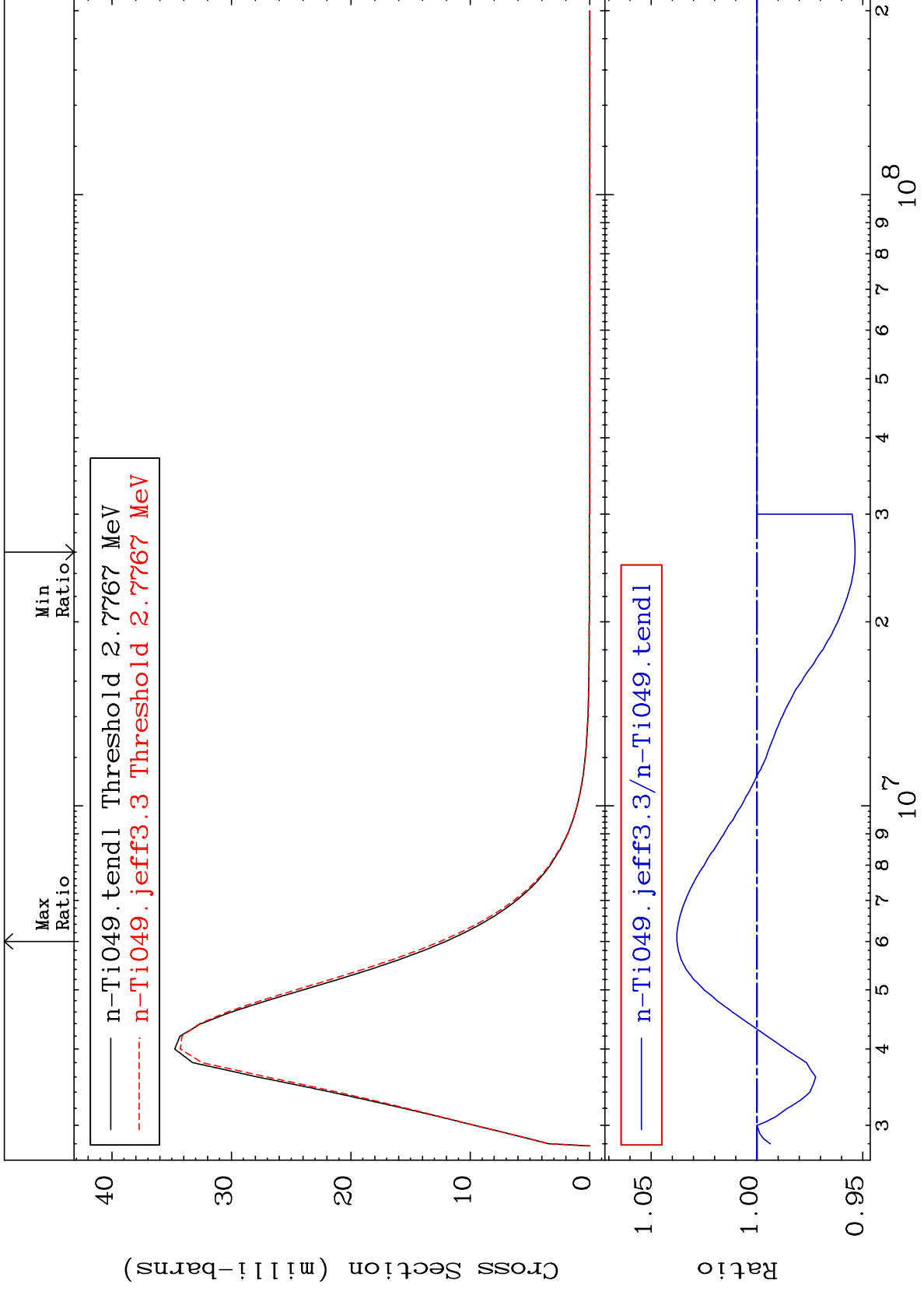
22-Ti-49
-5.786 To 1.182 %



MAT 2234

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

²²Ti-49
-4.642 To 3.779 %



33

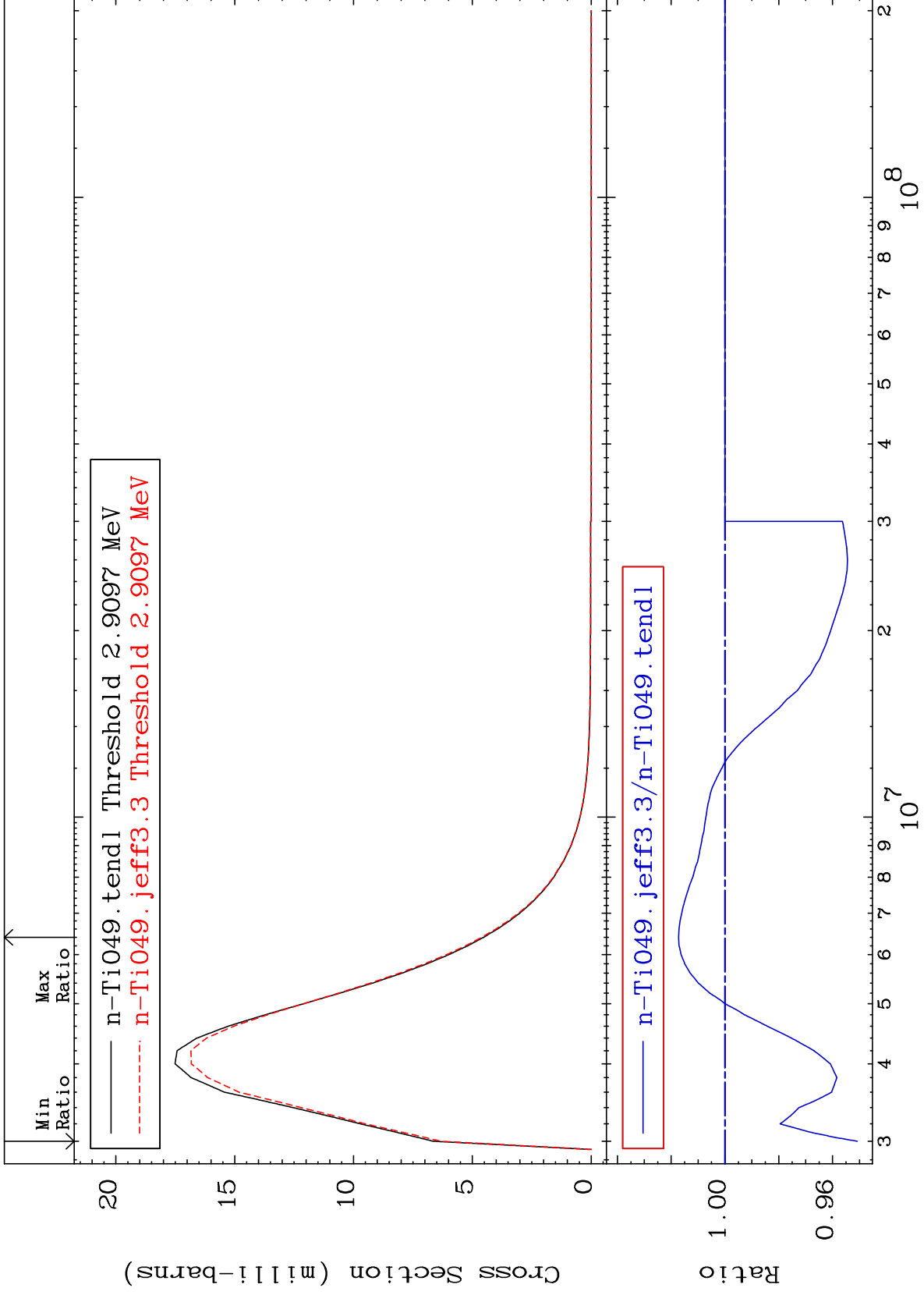
Incident Energy (eV)

²²Ti-49

MAT 2234

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

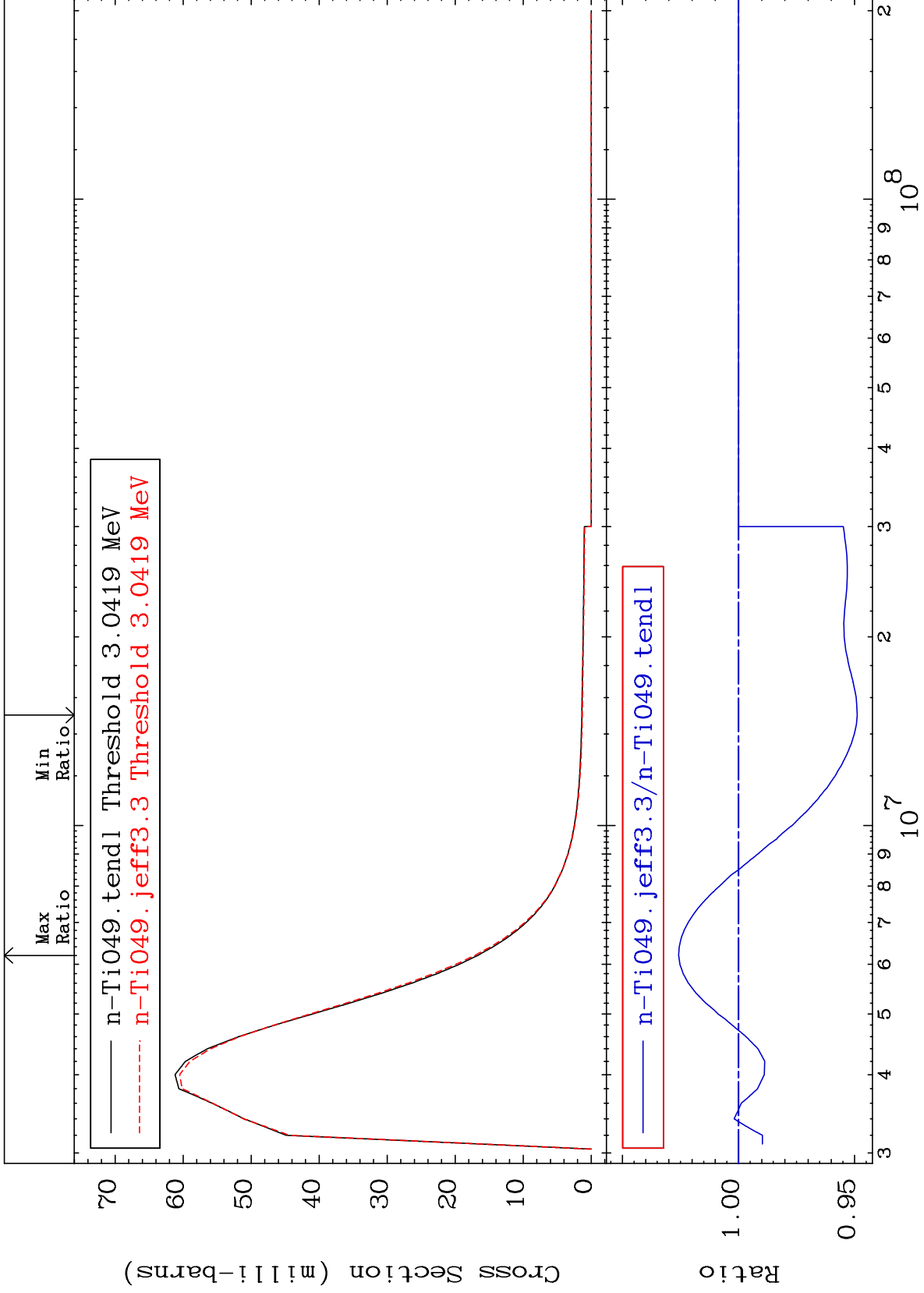
22-Ti-49
-4.918 To 1.724 %



MAT 2234

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

22-Ti-49
-5.118 To 2.579 %



35

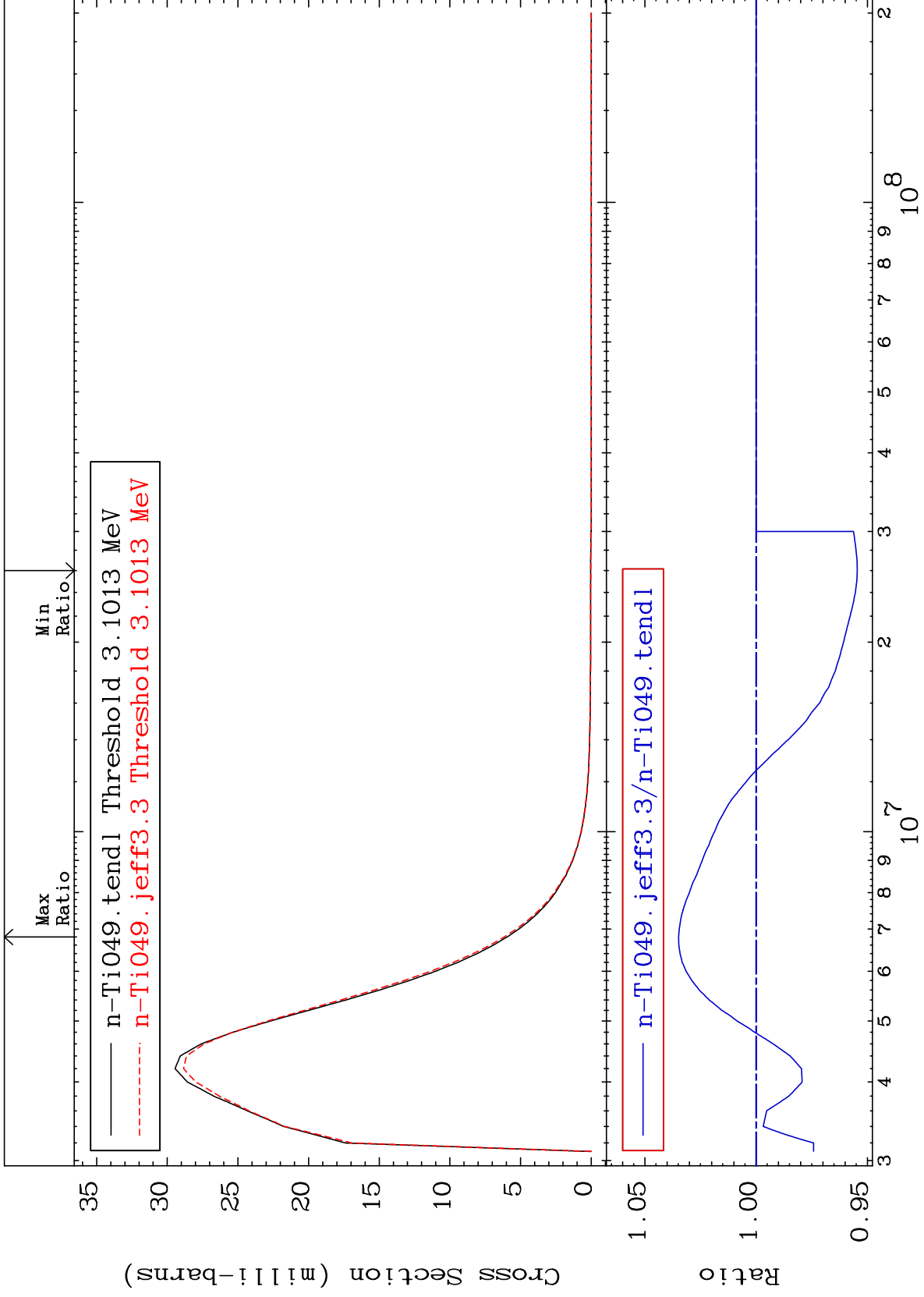
Incident Energy (eV)

22-Ti-49

MAT 2234

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

22-Ti-49
-4.544 To 3.481 %



36

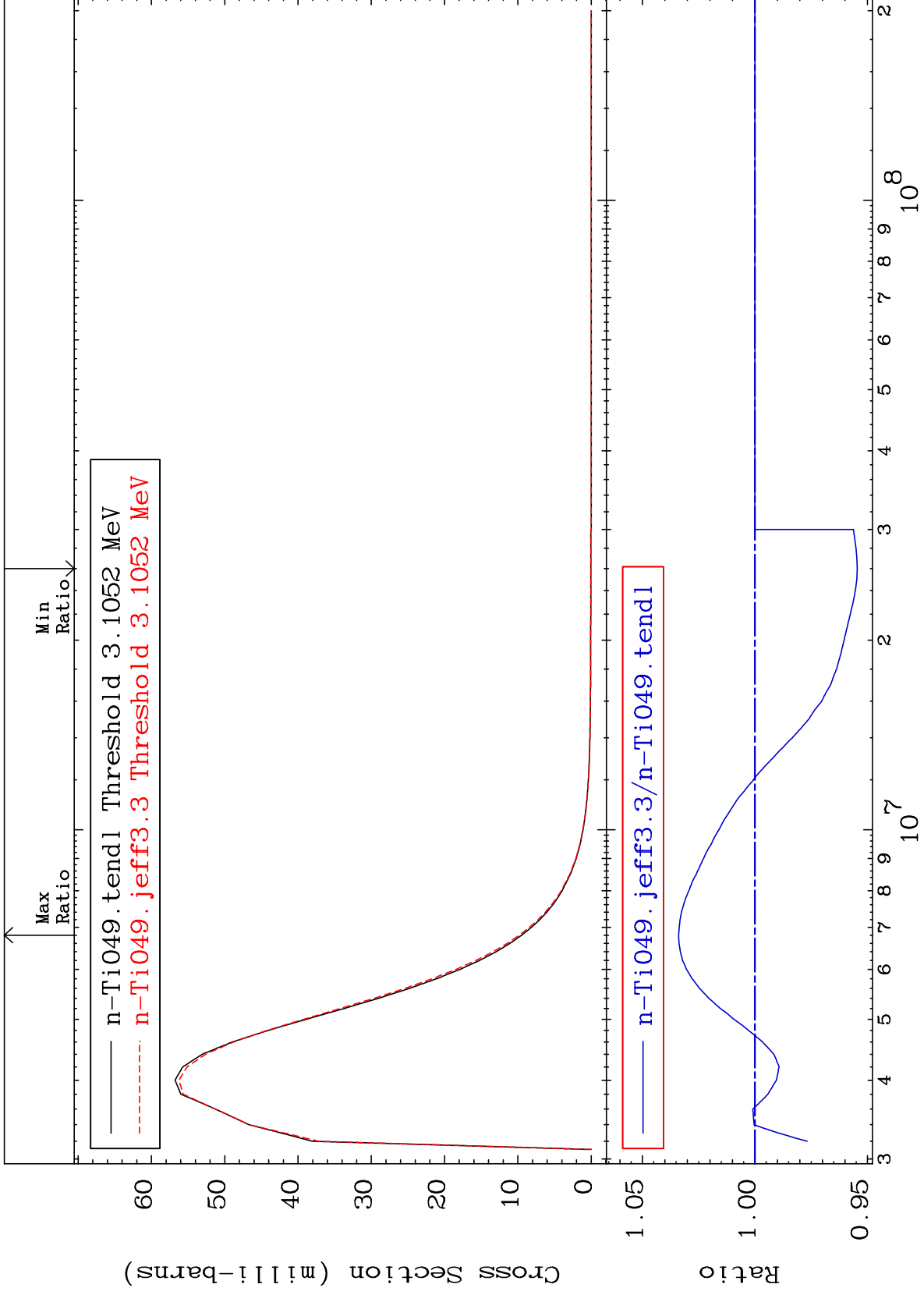
Incident Energy (eV)

22-Ti-49

MAT 2234

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

22-Ti-49
-4.546 To 3.390 %



37

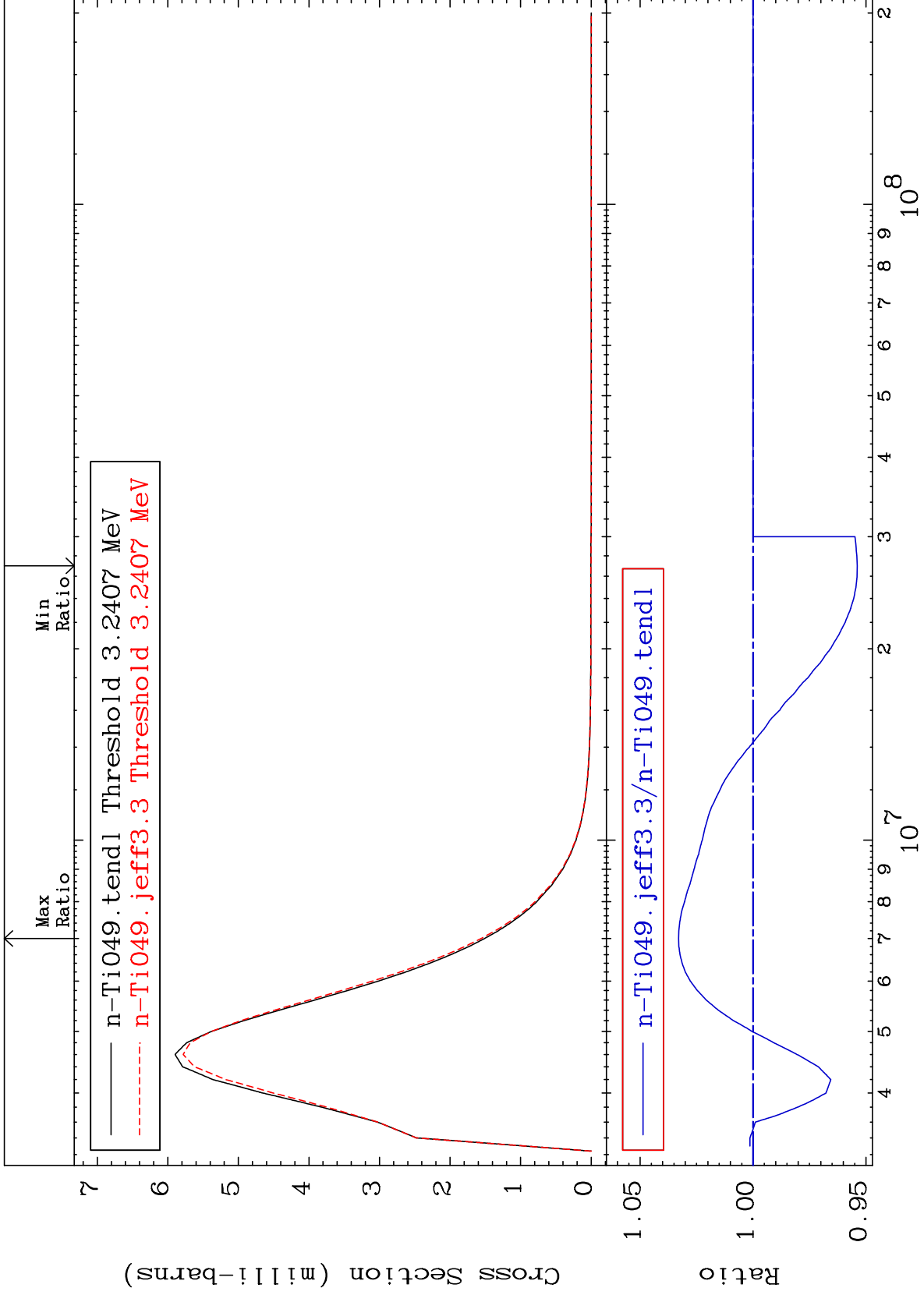
Incident Energy (eV)

22-Ti-49

MAT 2234

MT= 70 (n,n') Level
Cross Section

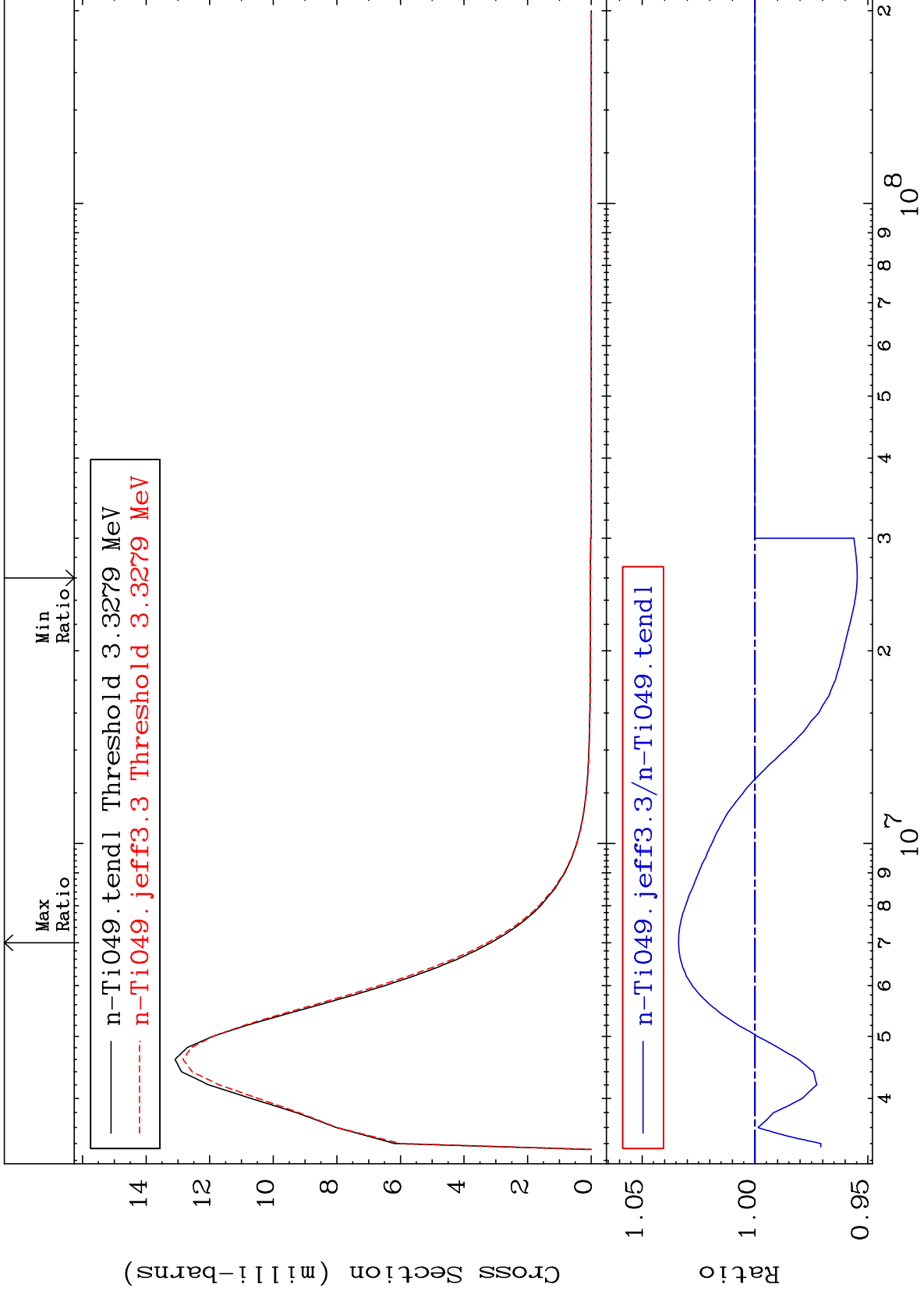
22-Ti-49
-4.614 To 3.293 %



MAT 2234

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

22-Ti-49
-4.531 To 3.382 %



39

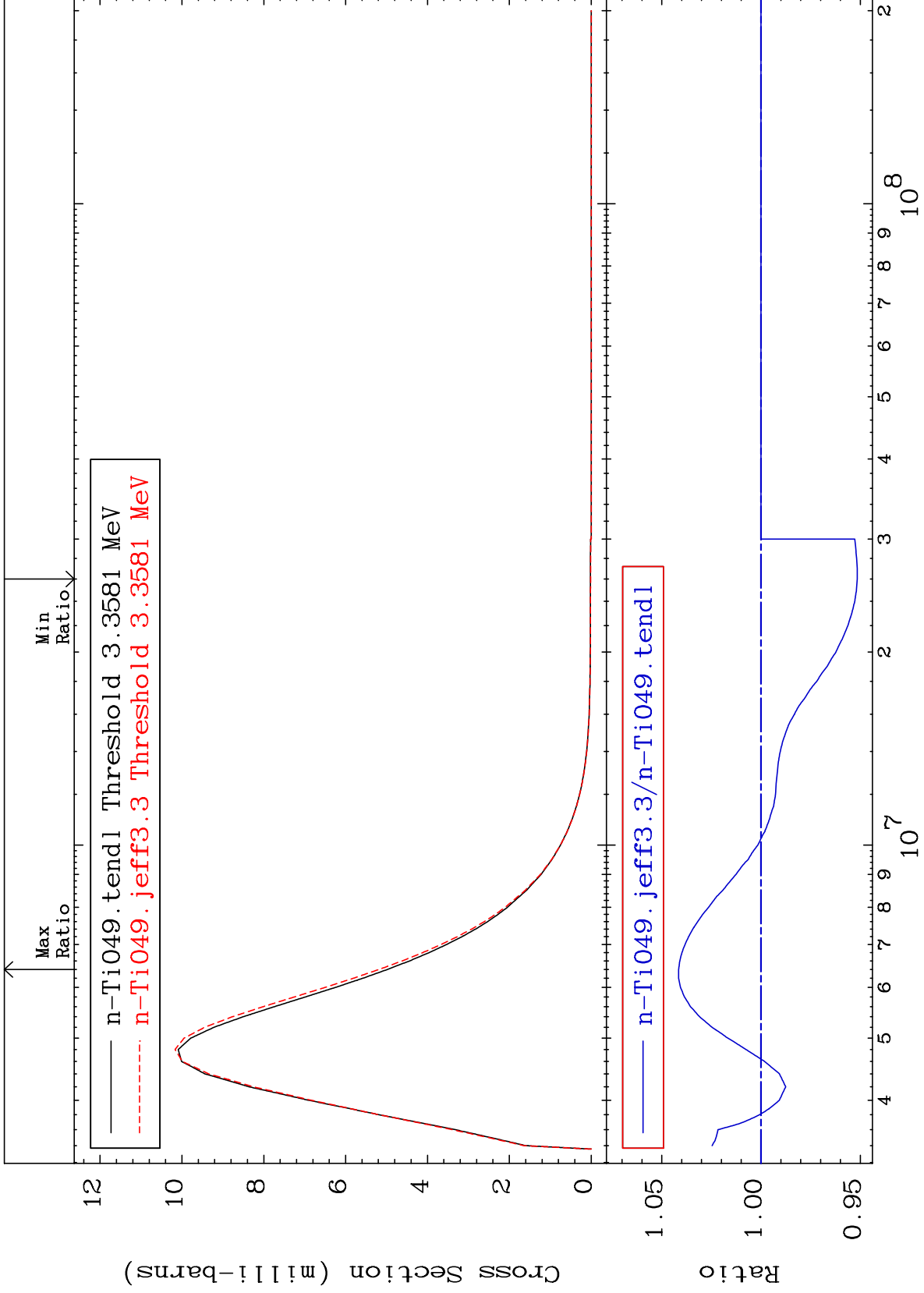
Incident Energy (eV)

22-Ti-49

MAT 2234

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

22-Ti-49
-4.847 To 4.152 %



40

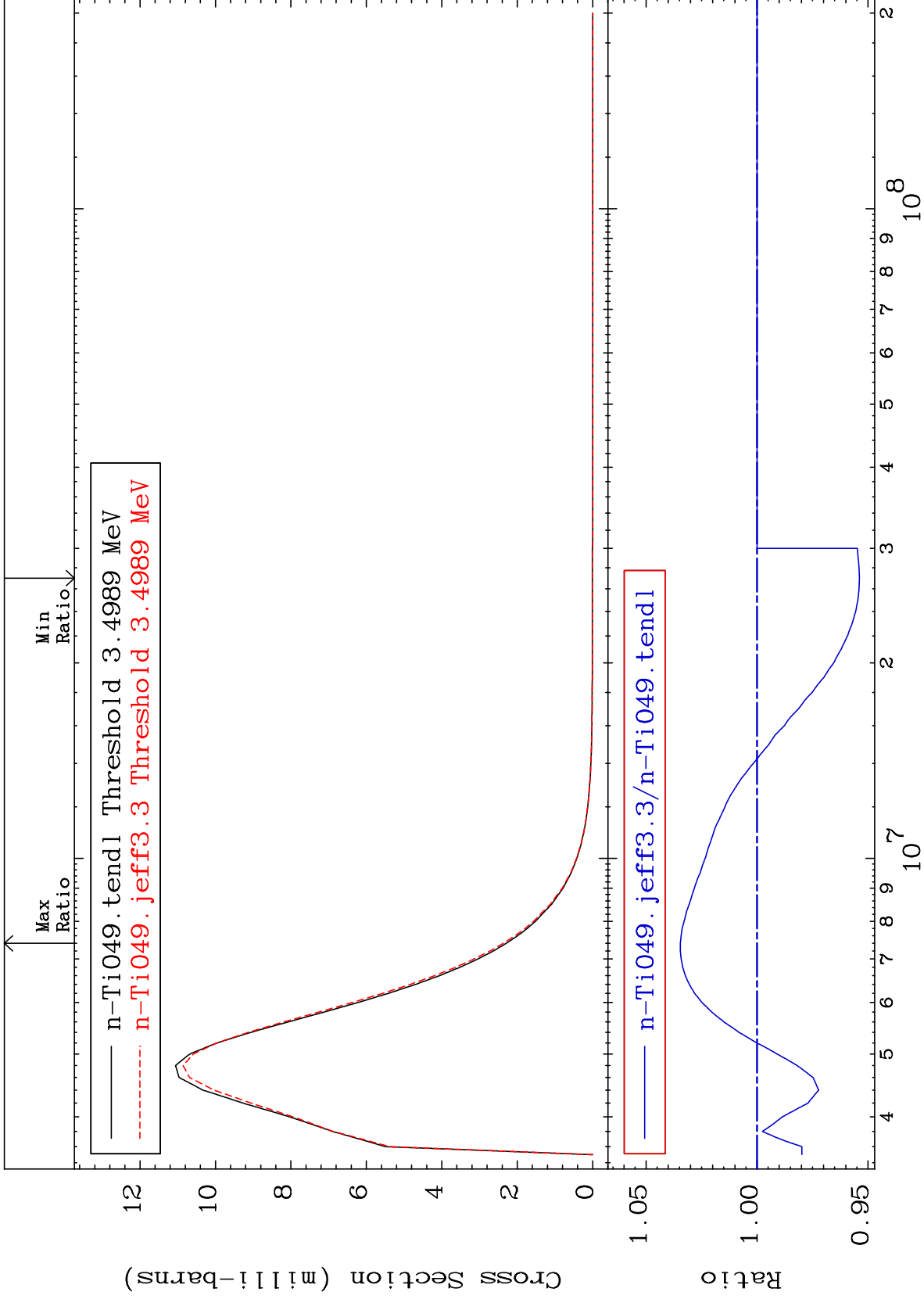
Incident Energy (eV)

22-Ti-49

MAT 2234

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

²²Ti-49
-4.615 To 3.457 %



41

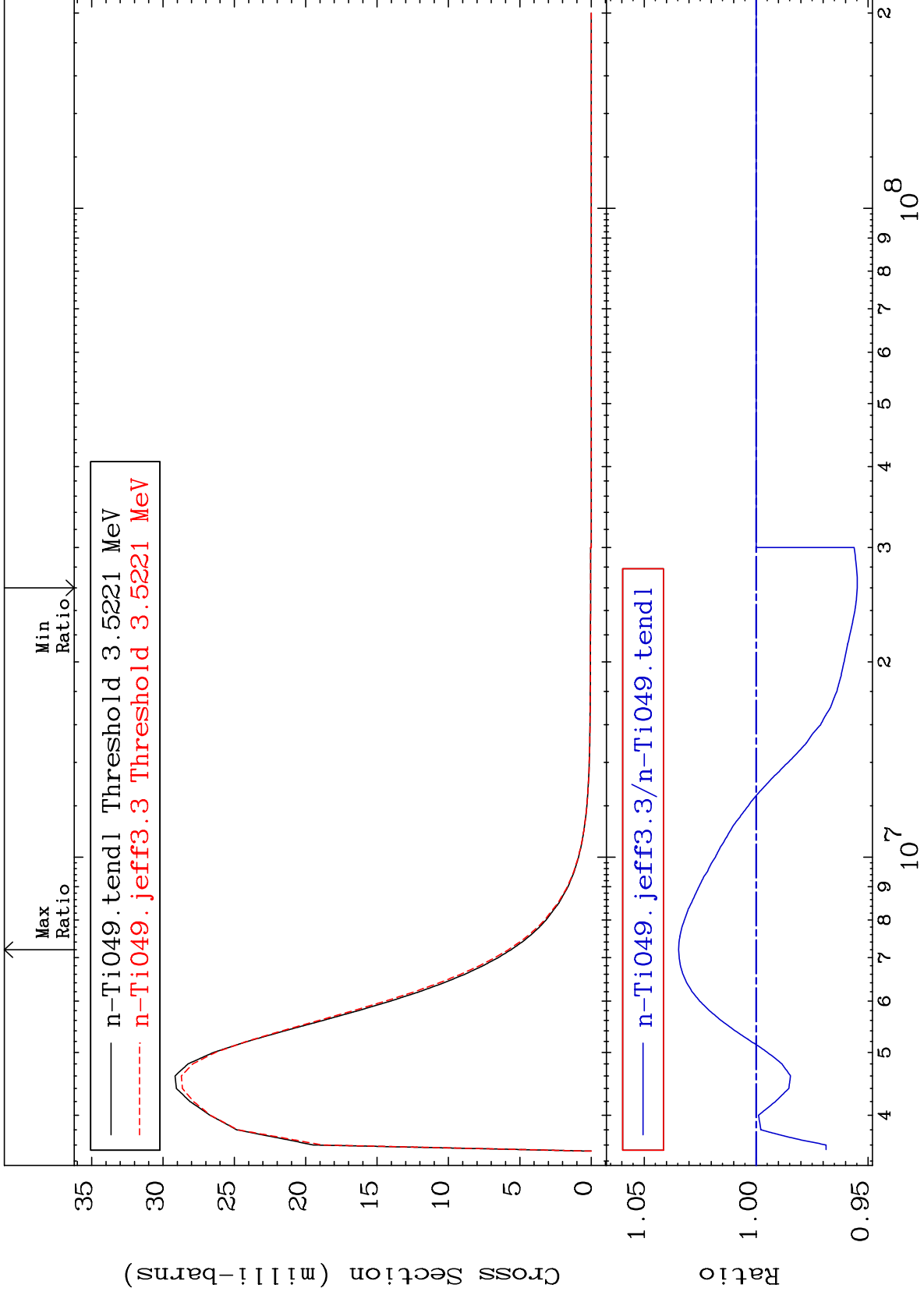
Incident Energy (eV)

²²Ti-49

MAT 2234

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

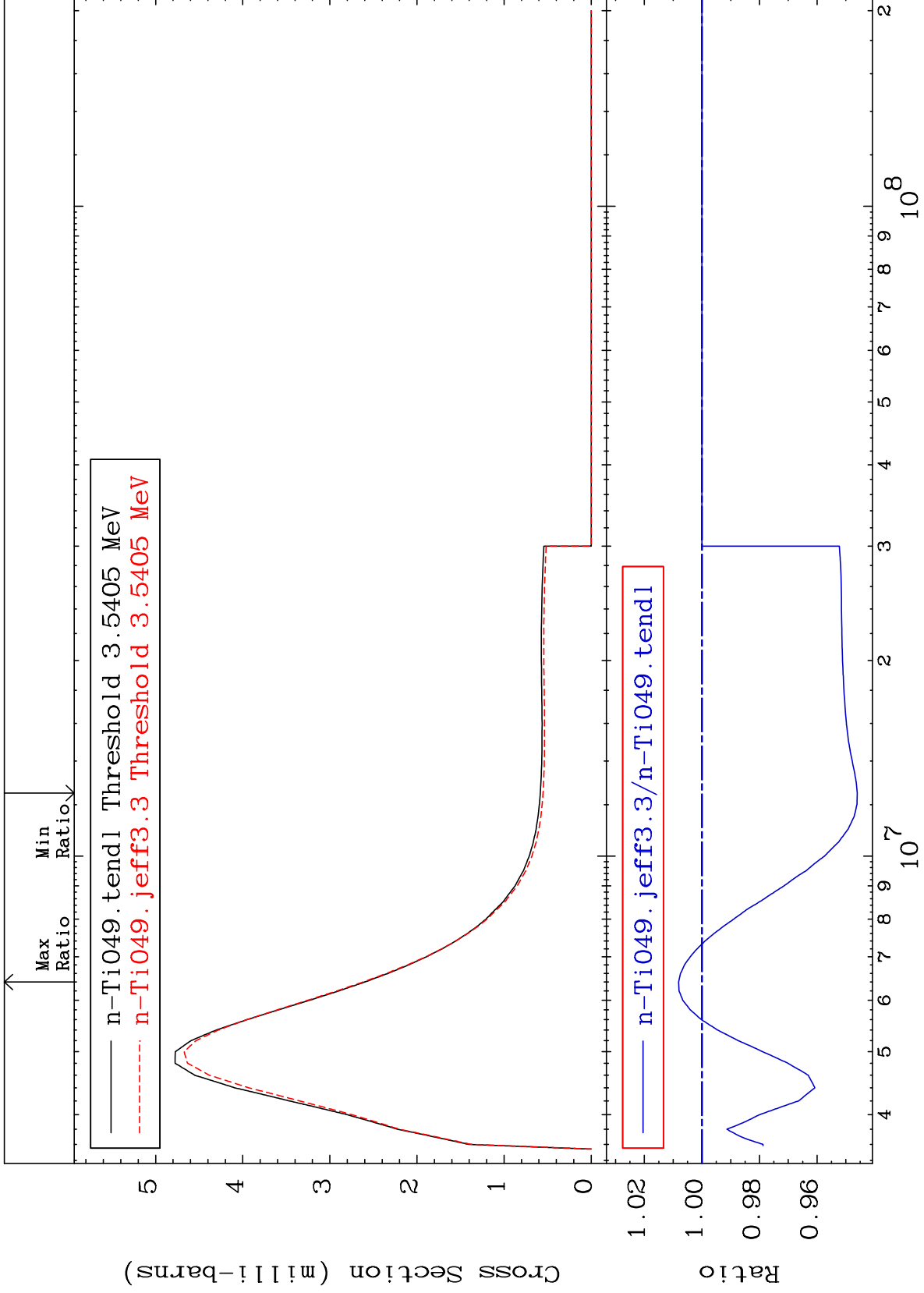
22-Ti-49
-4.521 To 3.462 %



MAT 2234

MT= 75 (n,n') Level
Cross Section

22-Ti-49
-5.396 To 0.809 %



43

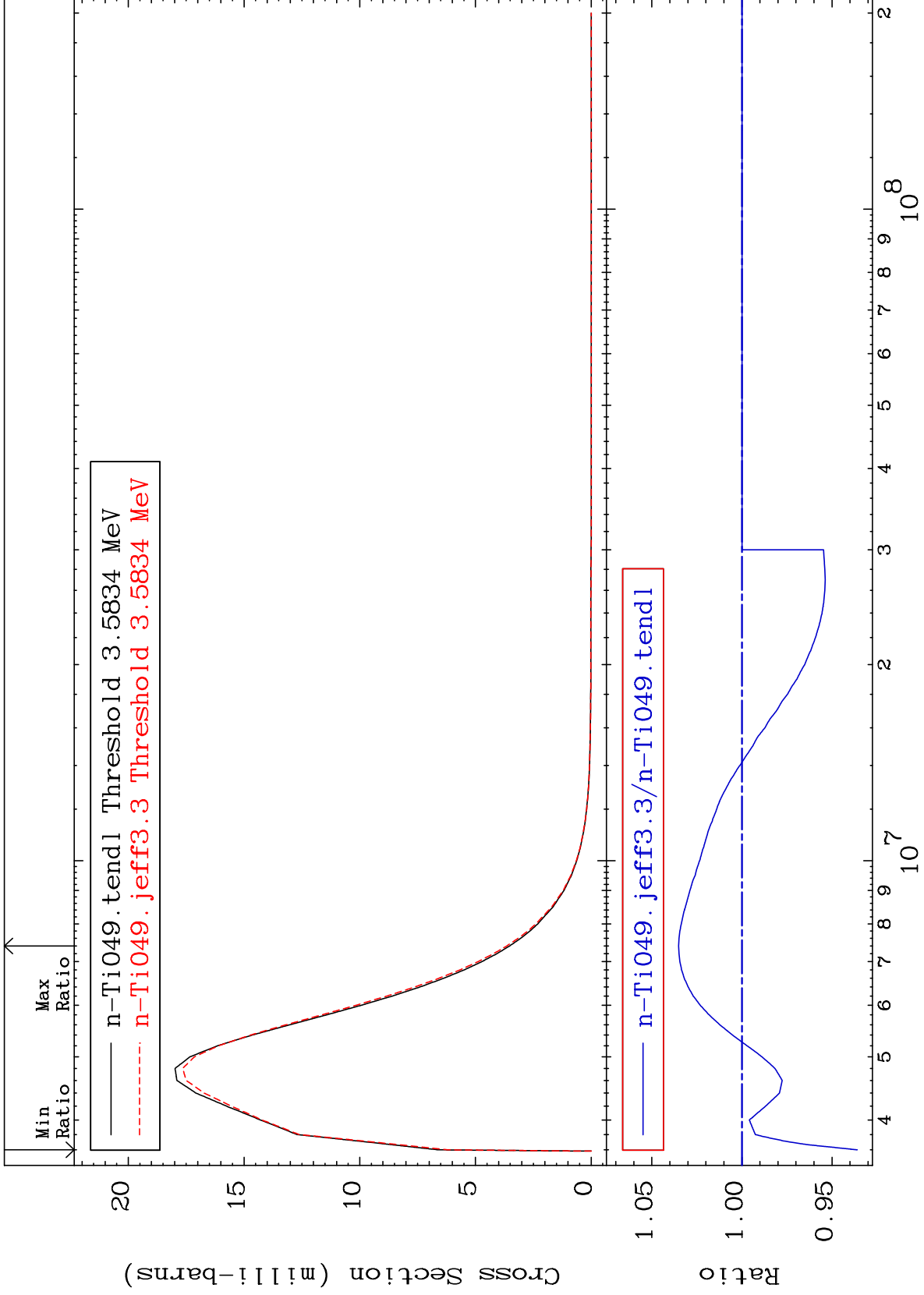
Incident Energy (eV)

22-Ti-49

MAT 2234

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

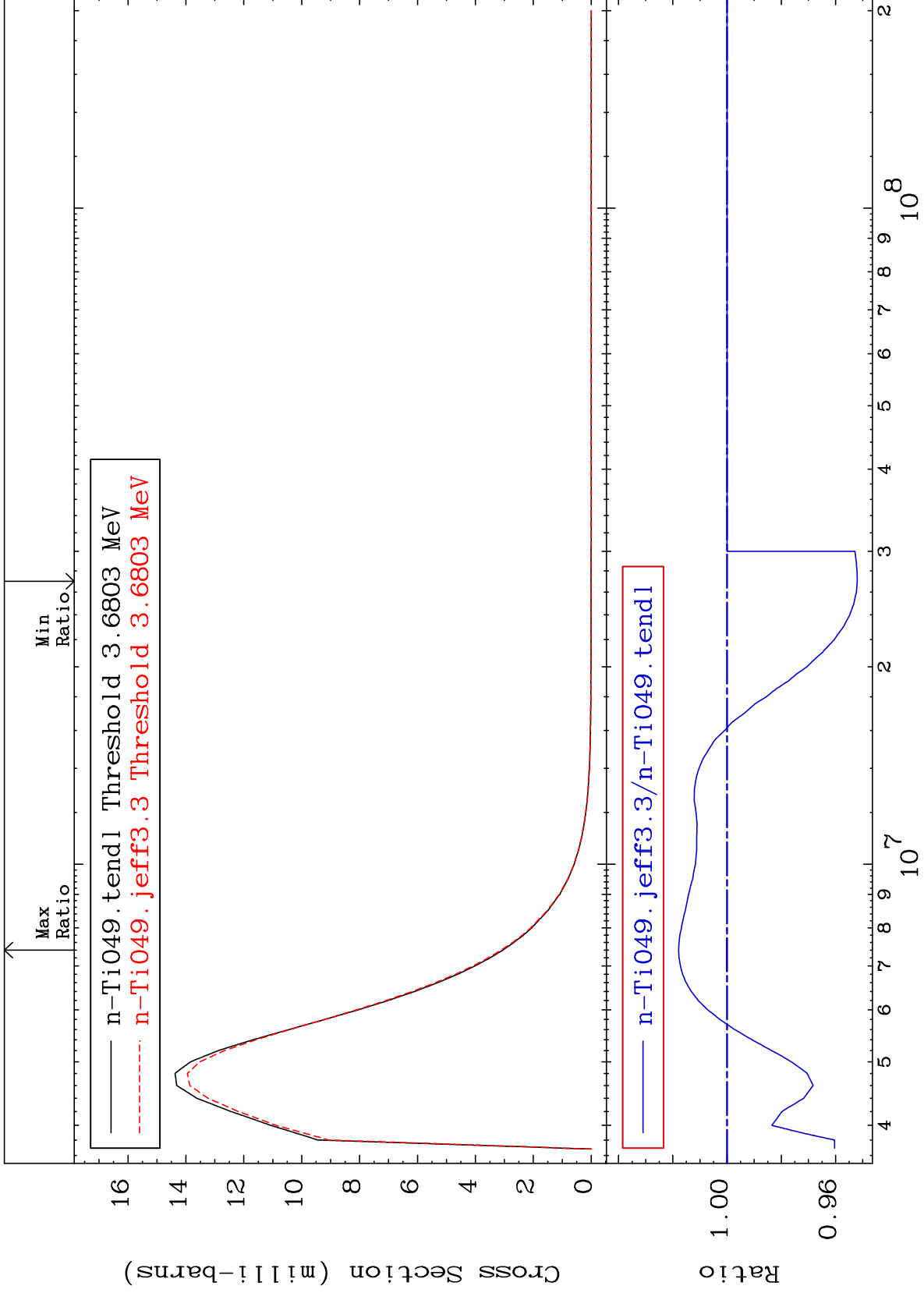
²²Ti-49
-6.399 To 3.512 %



MAT 2234

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

²²Ti-49
-4.800 To 1.785 %



45

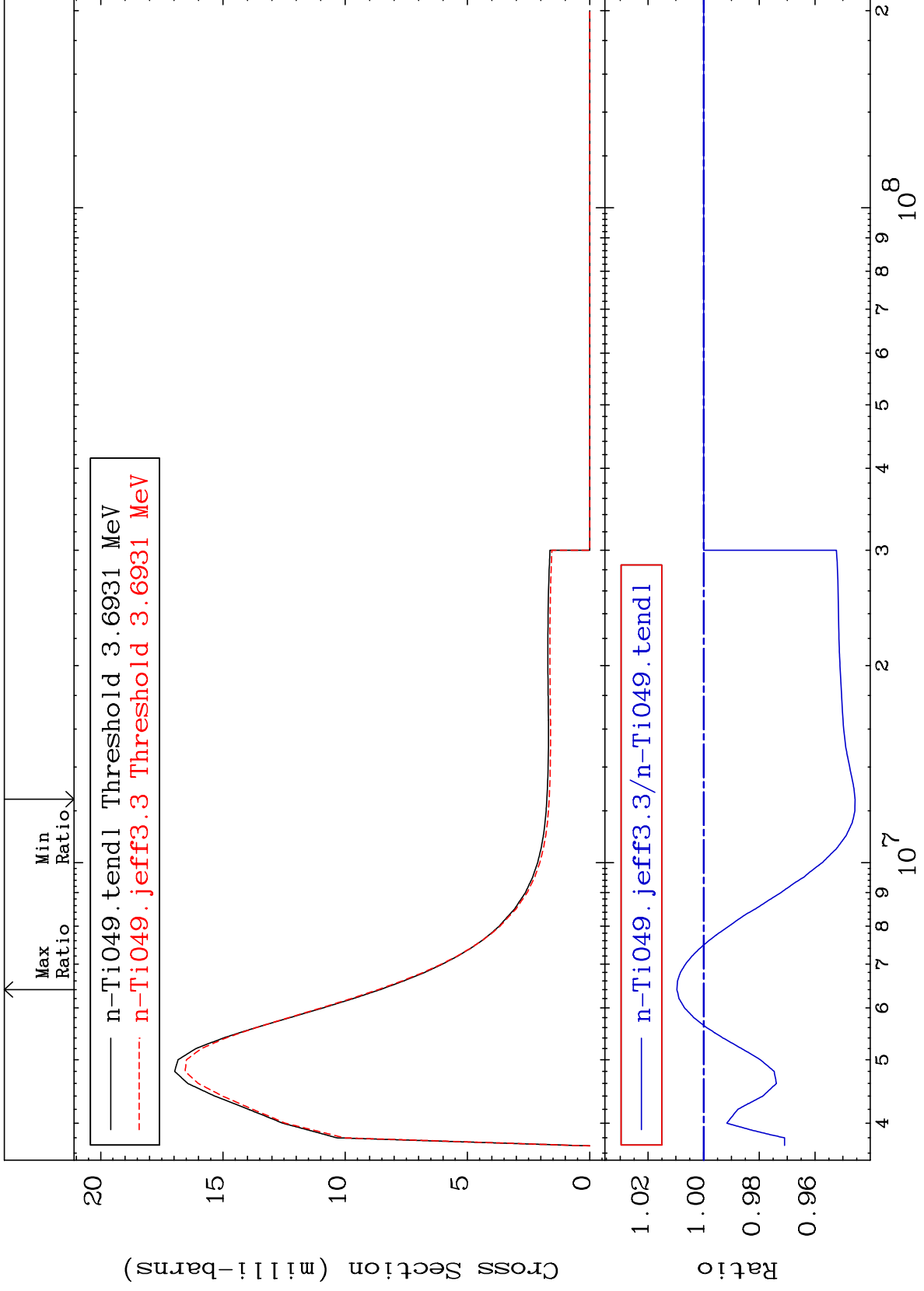
Incident Energy (eV)

²²Ti-49

MAT 2234

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

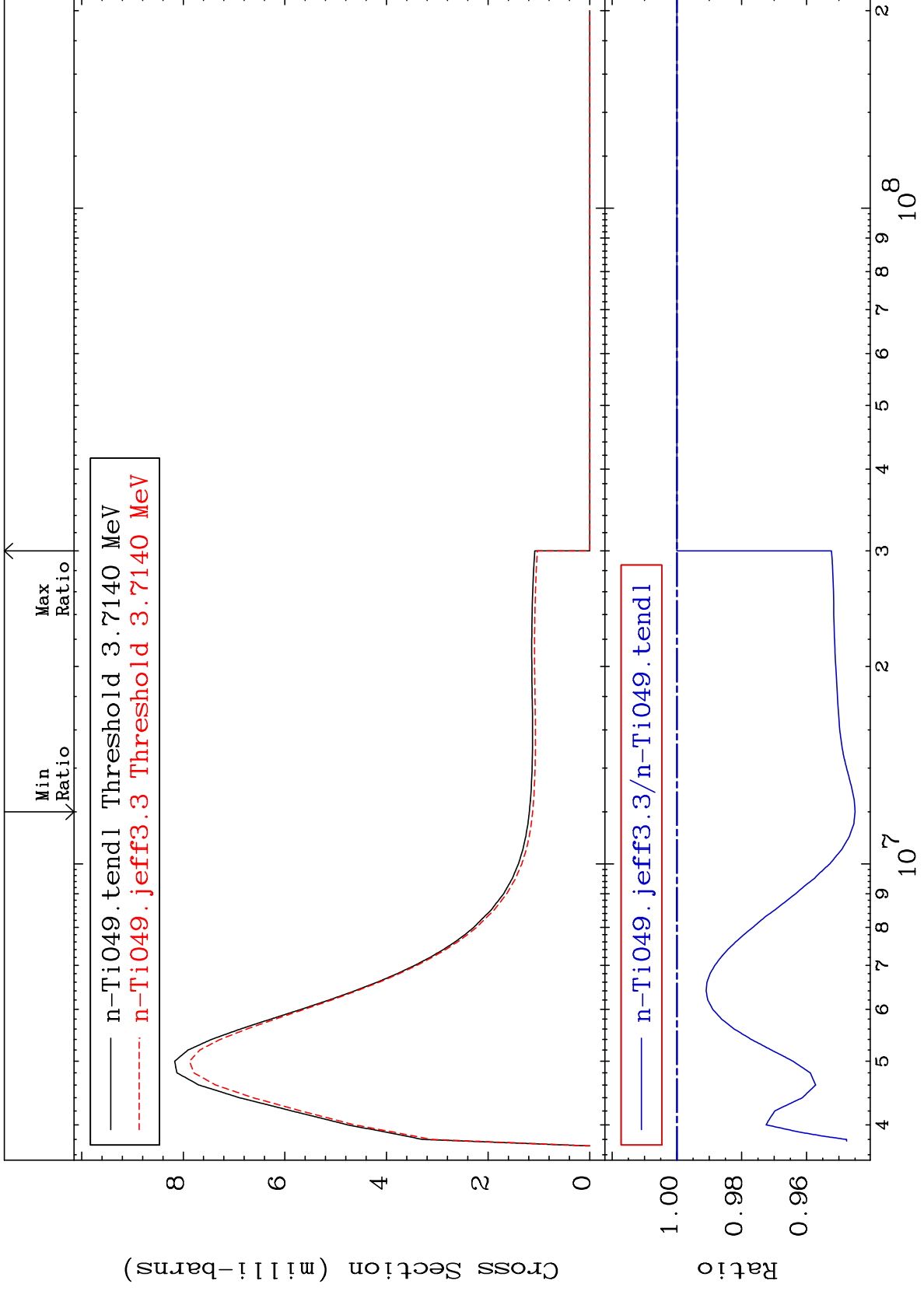
22-Ti-49
-5.443 To 0.962 %



MAT 2234

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

22-Ti-49
-5.501 To 0.000 %



47

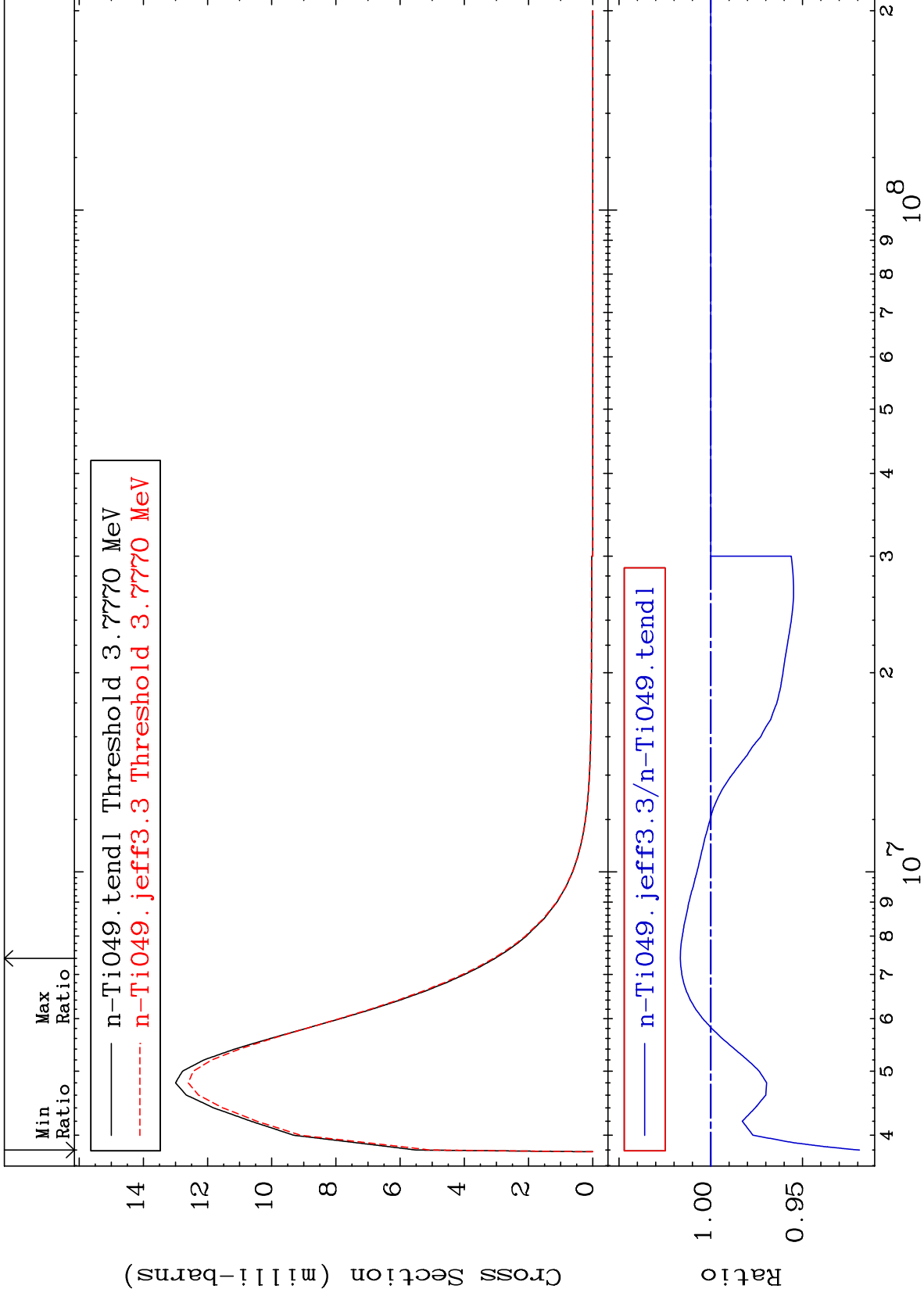
22-Ti-49

22-Ti-49

MAT 2234

MT= 80 (n,n') Level
Cross Section

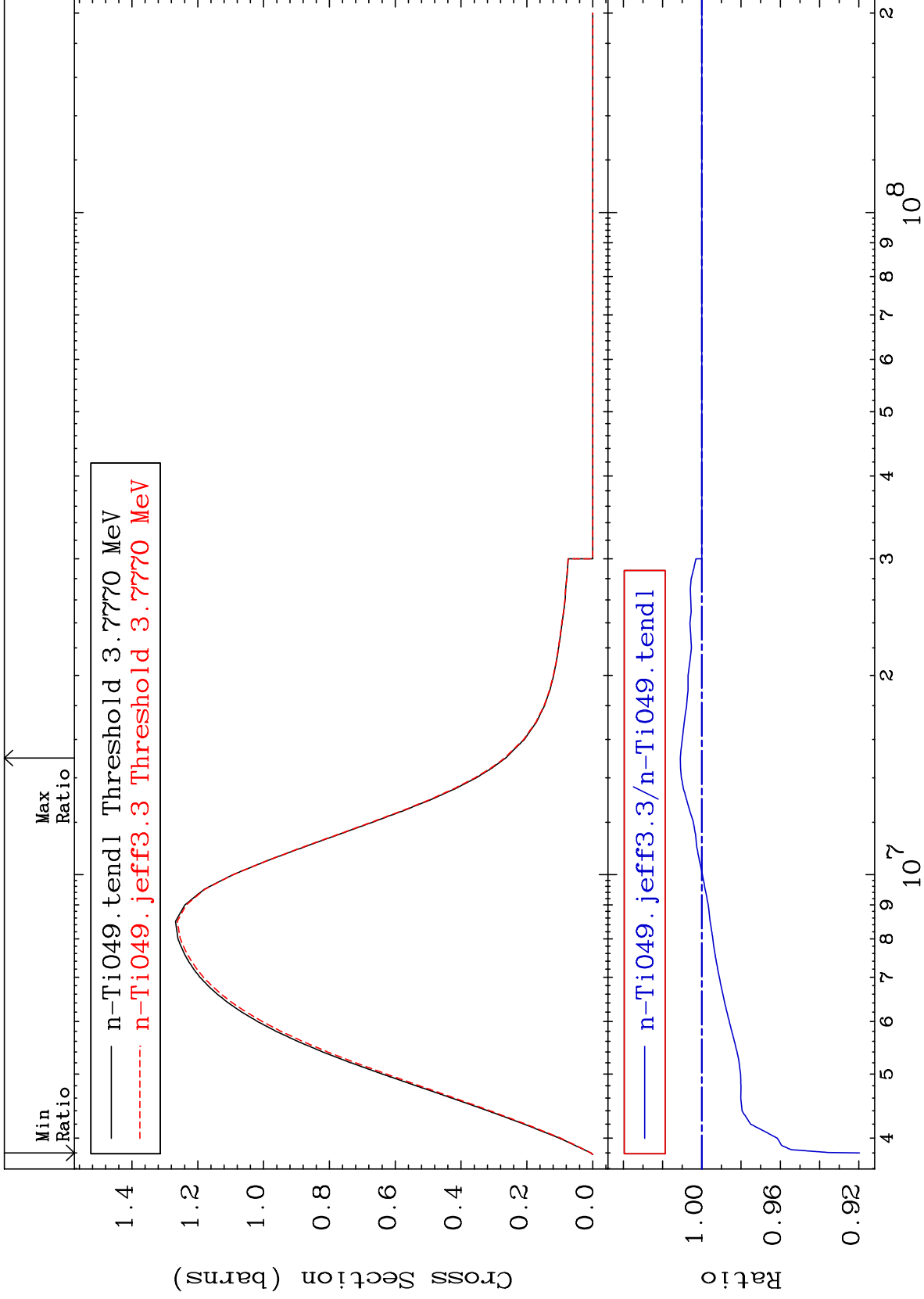
²²Ti-49
-8.096 To 1.658 %



48

Incident Energy (eV)

²²Ti-49



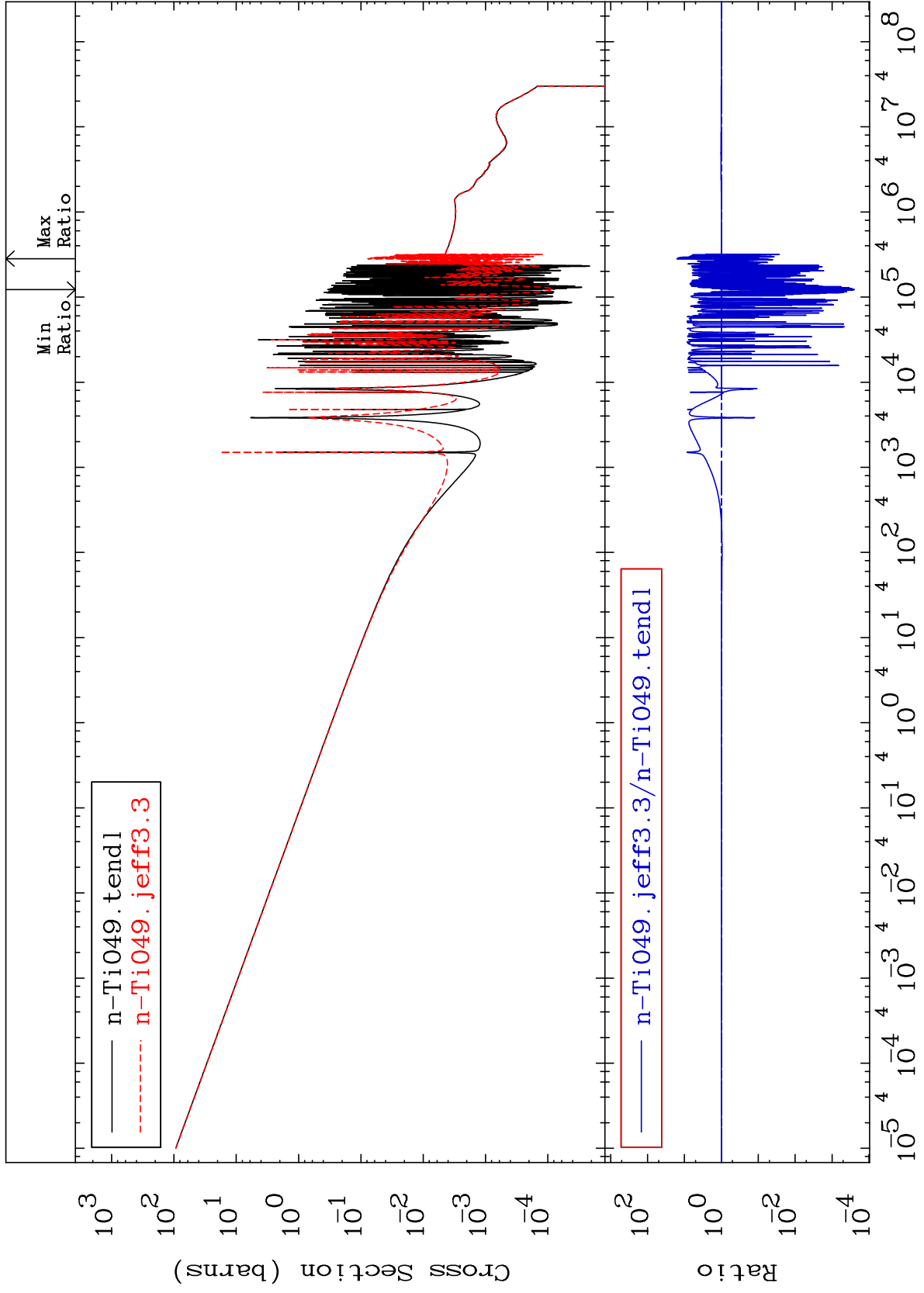
MAT 2234

(n, γ)

22-Ti-49

Cross Section

-99.98 To 1514. %



50

Incident Energy (eV)

22-Ti-49

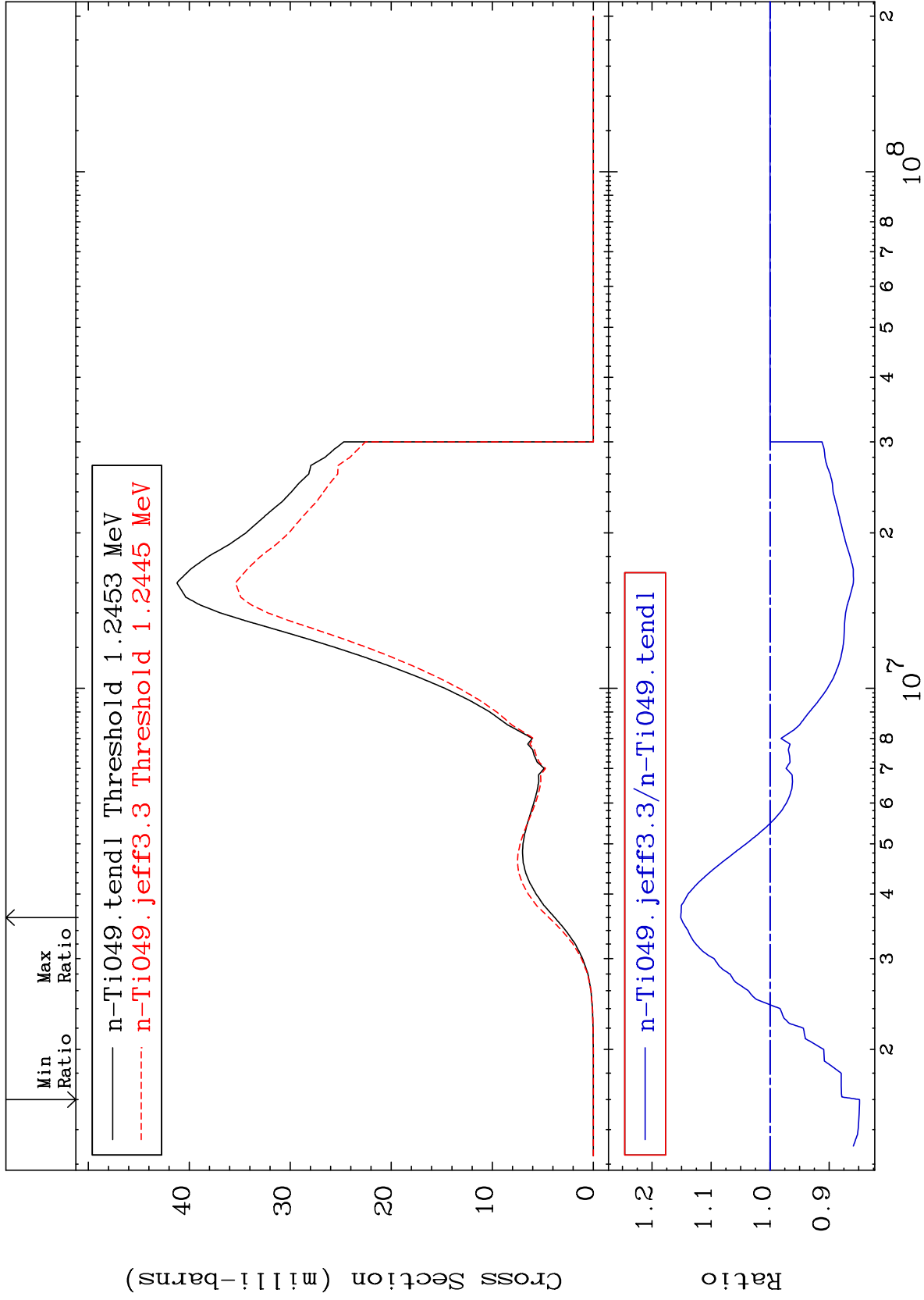
MAT 2234

(n,p)

²²Ti-49

Cross Section

-15.14 To 15.13 %



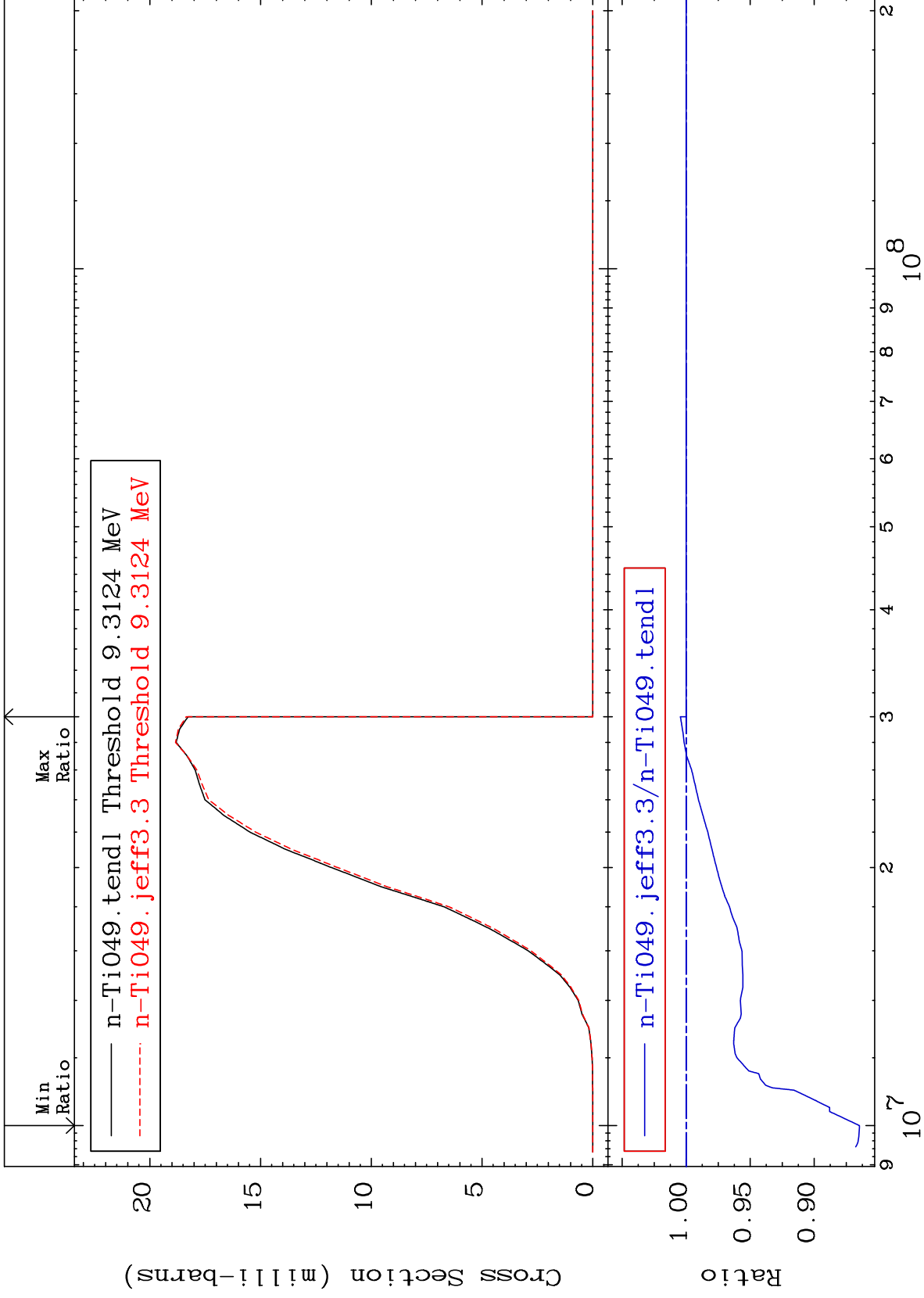
MAT 2234

(n, d)

22-Ti-49

Cross Section

-13.53 To 0.457 %



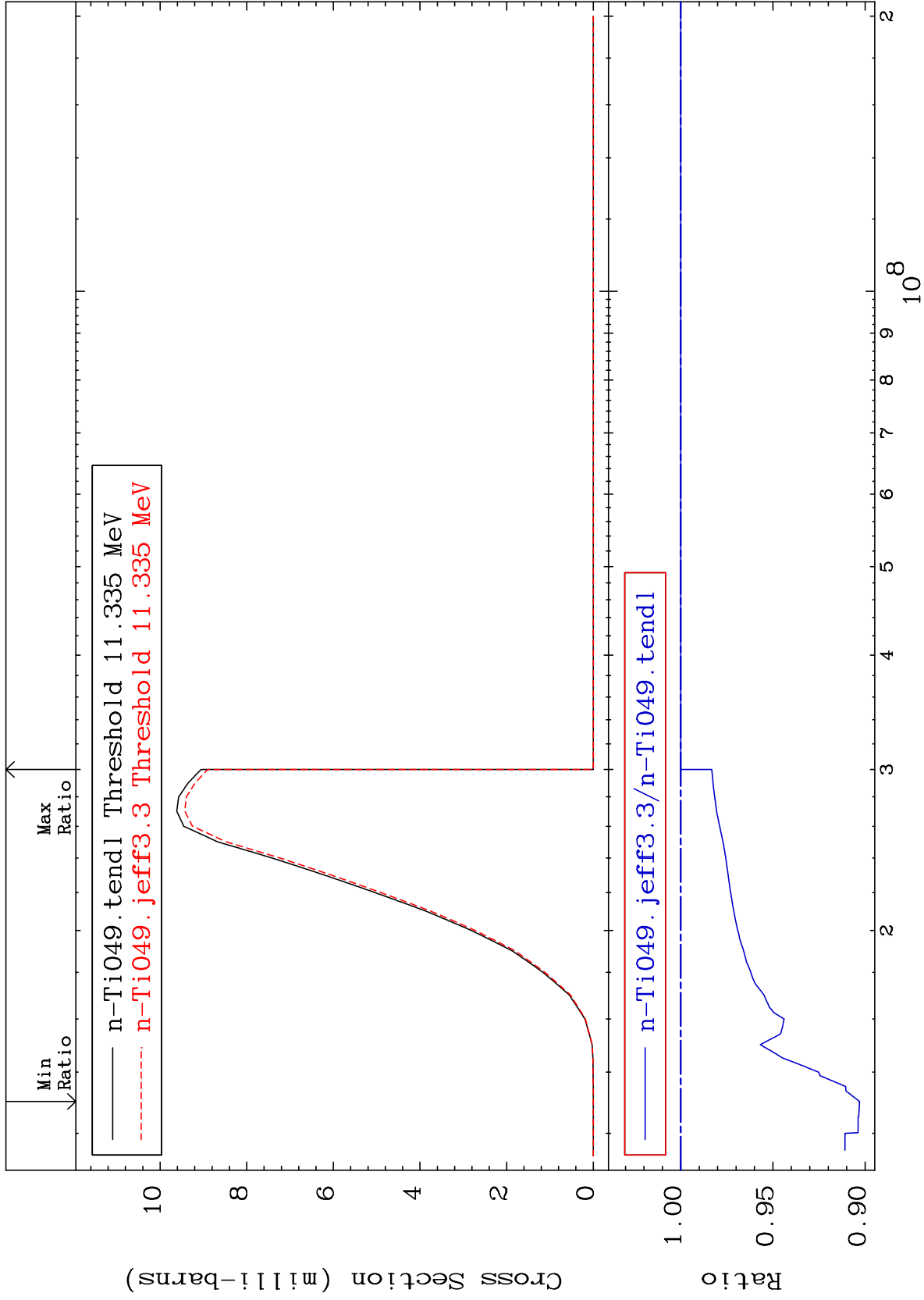
52

Incident Energy (eV)

22-Ti-49

Cross Section

-9.699 To 0.000 %



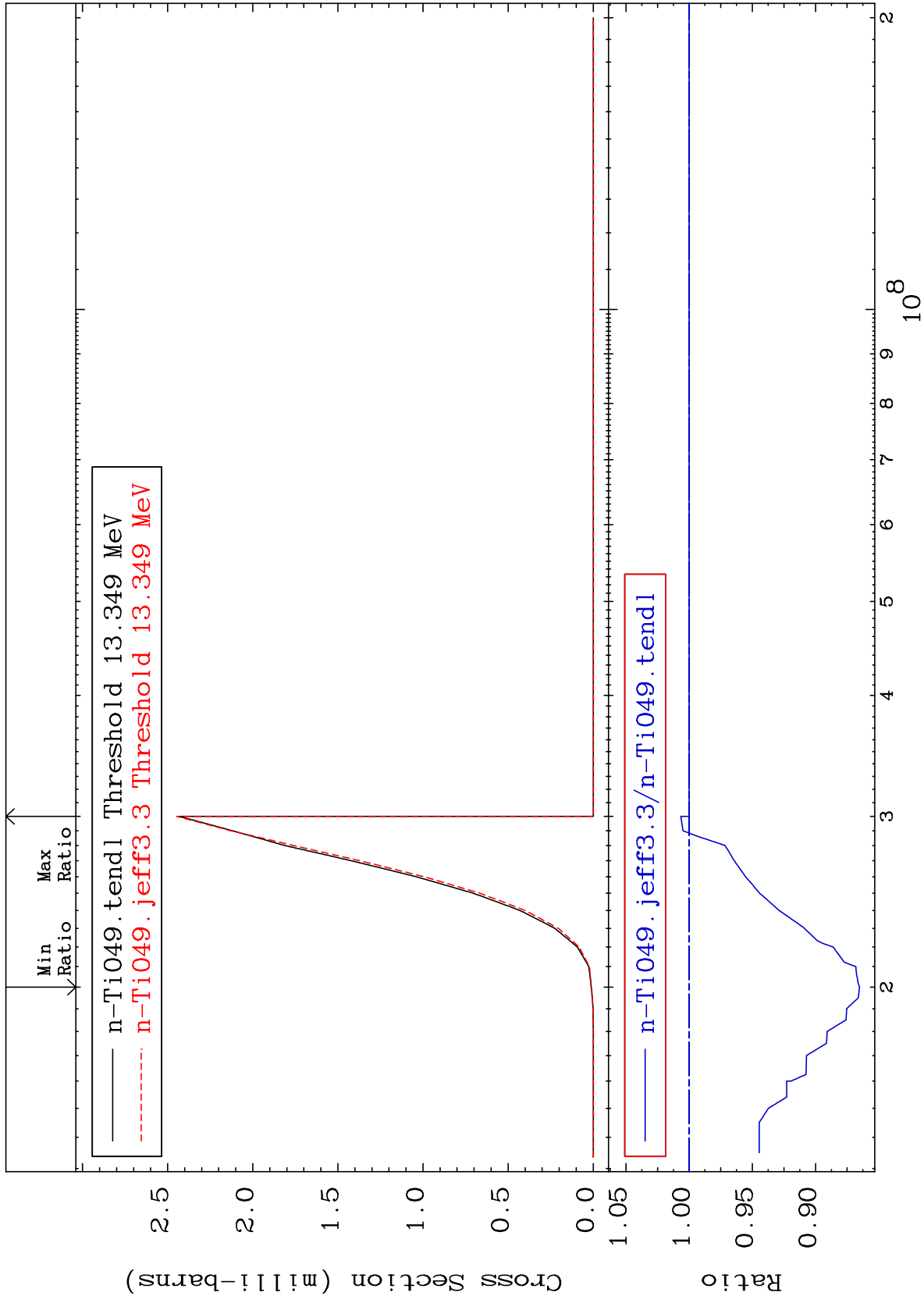
MAT 2234

(n, He-3)

22-Ti-49

Cross Section

-13.48 To 0.662 %

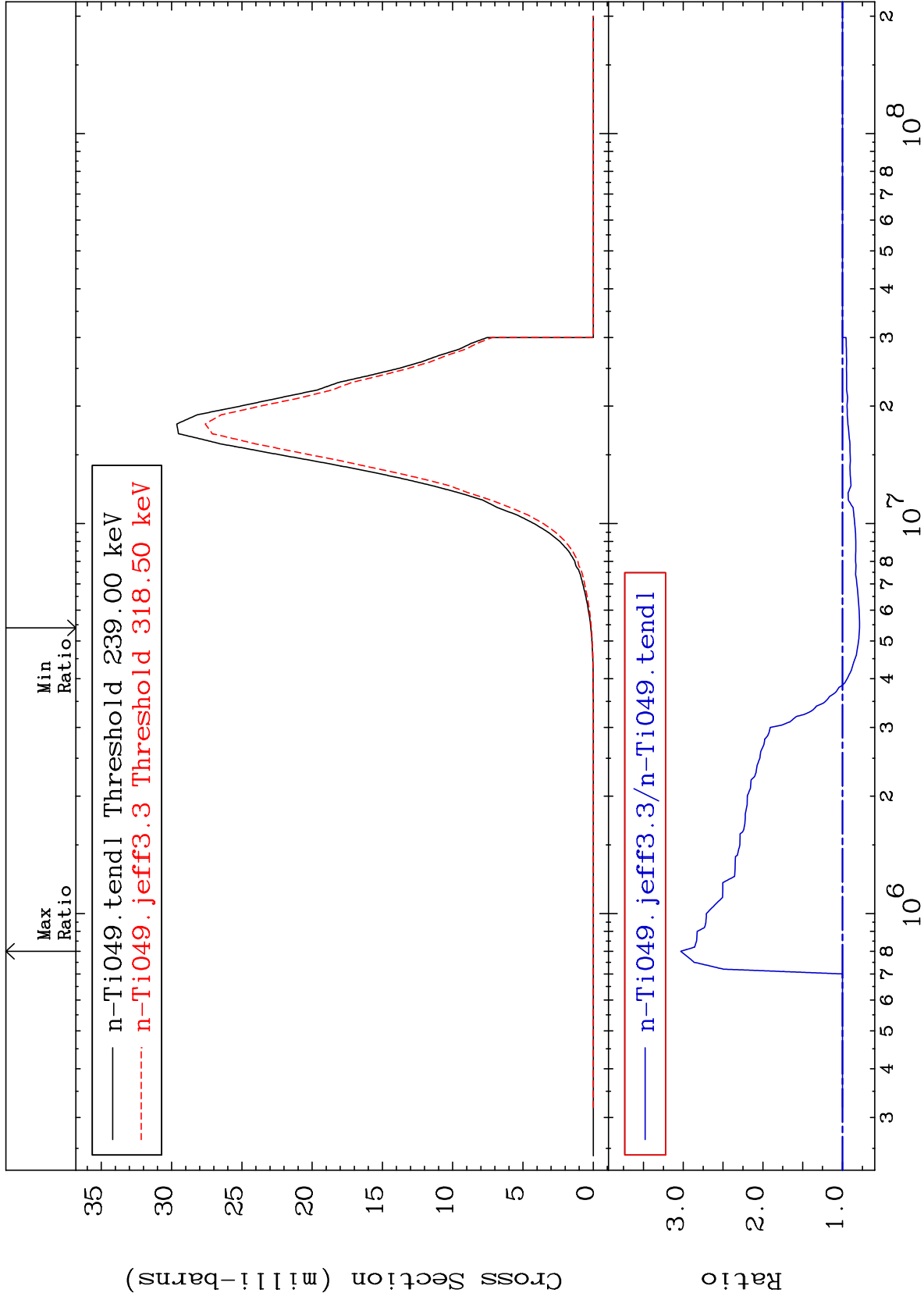


MAT 2234

²²Ti-49

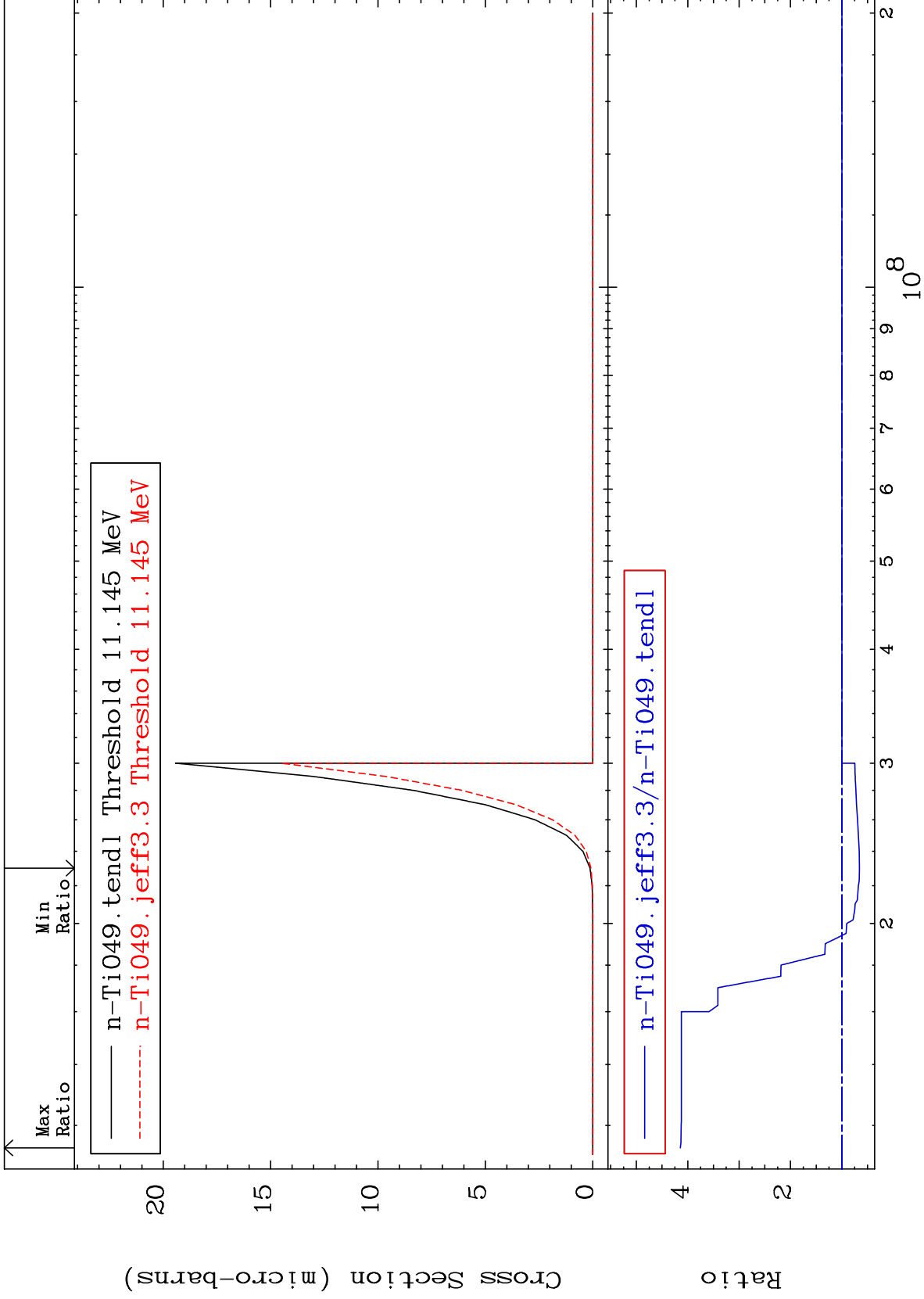
-21.43 To 203.1 %

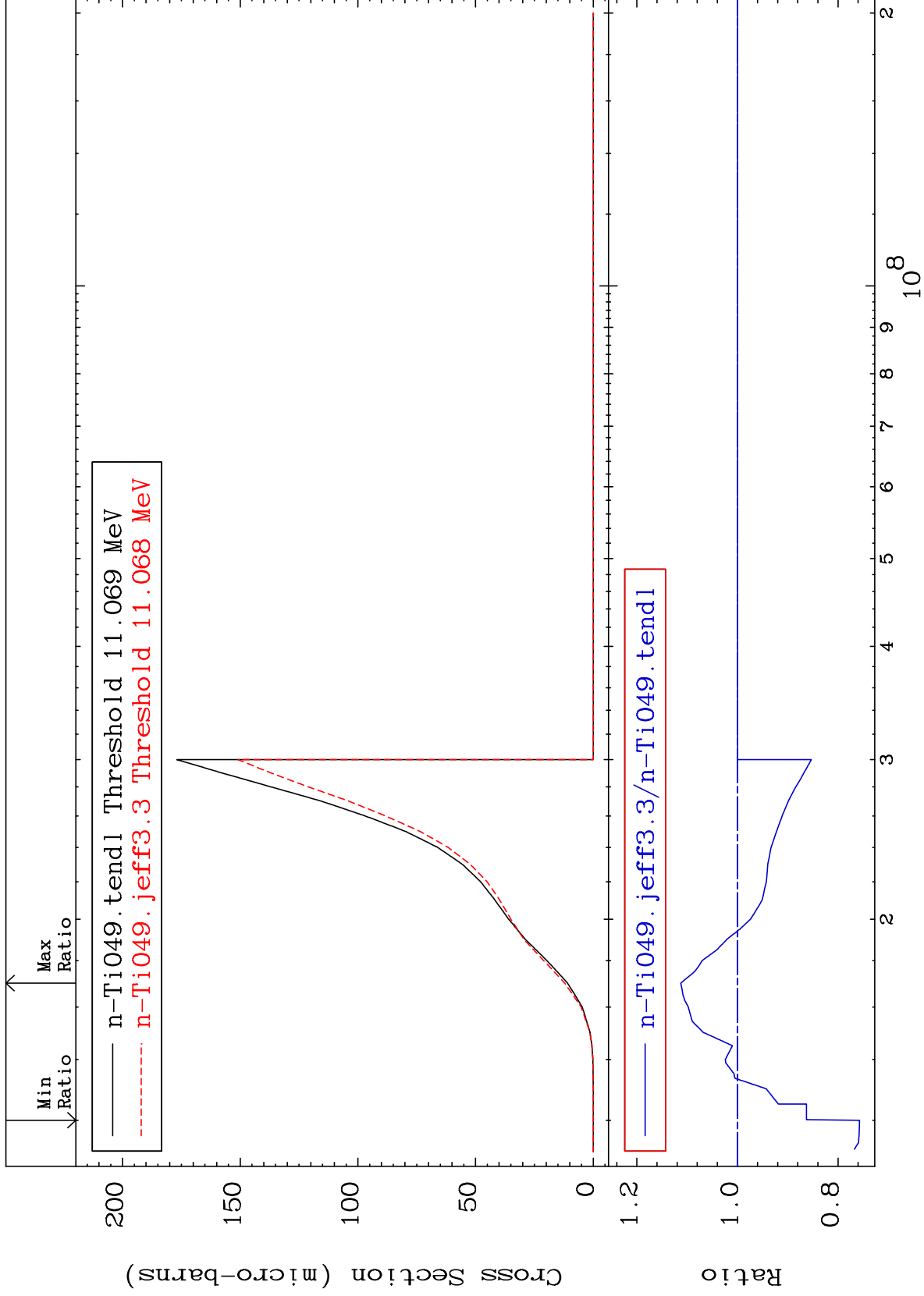
(n, α)
Cross Section



Cross Section

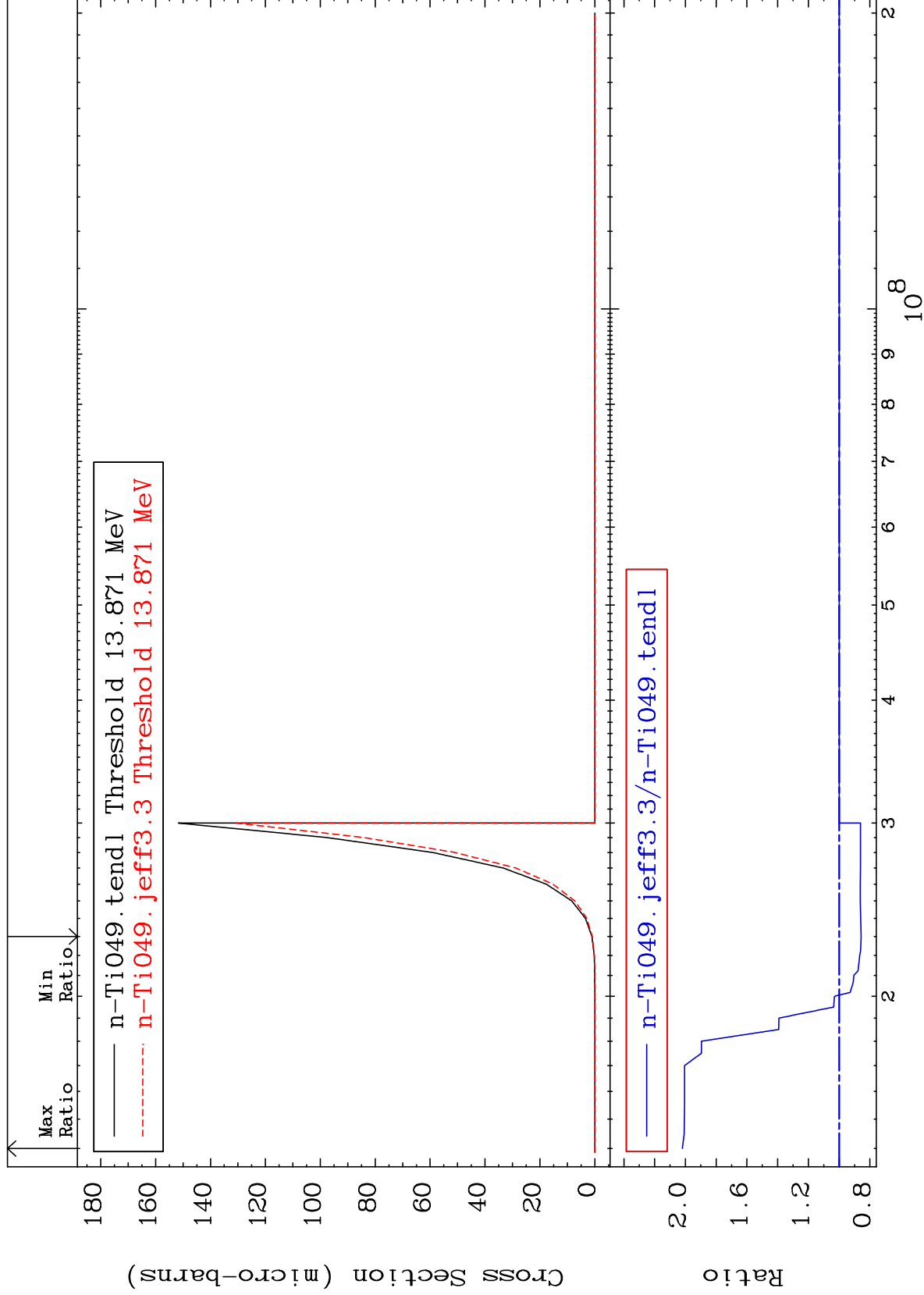
-34.20 To 314.3 %

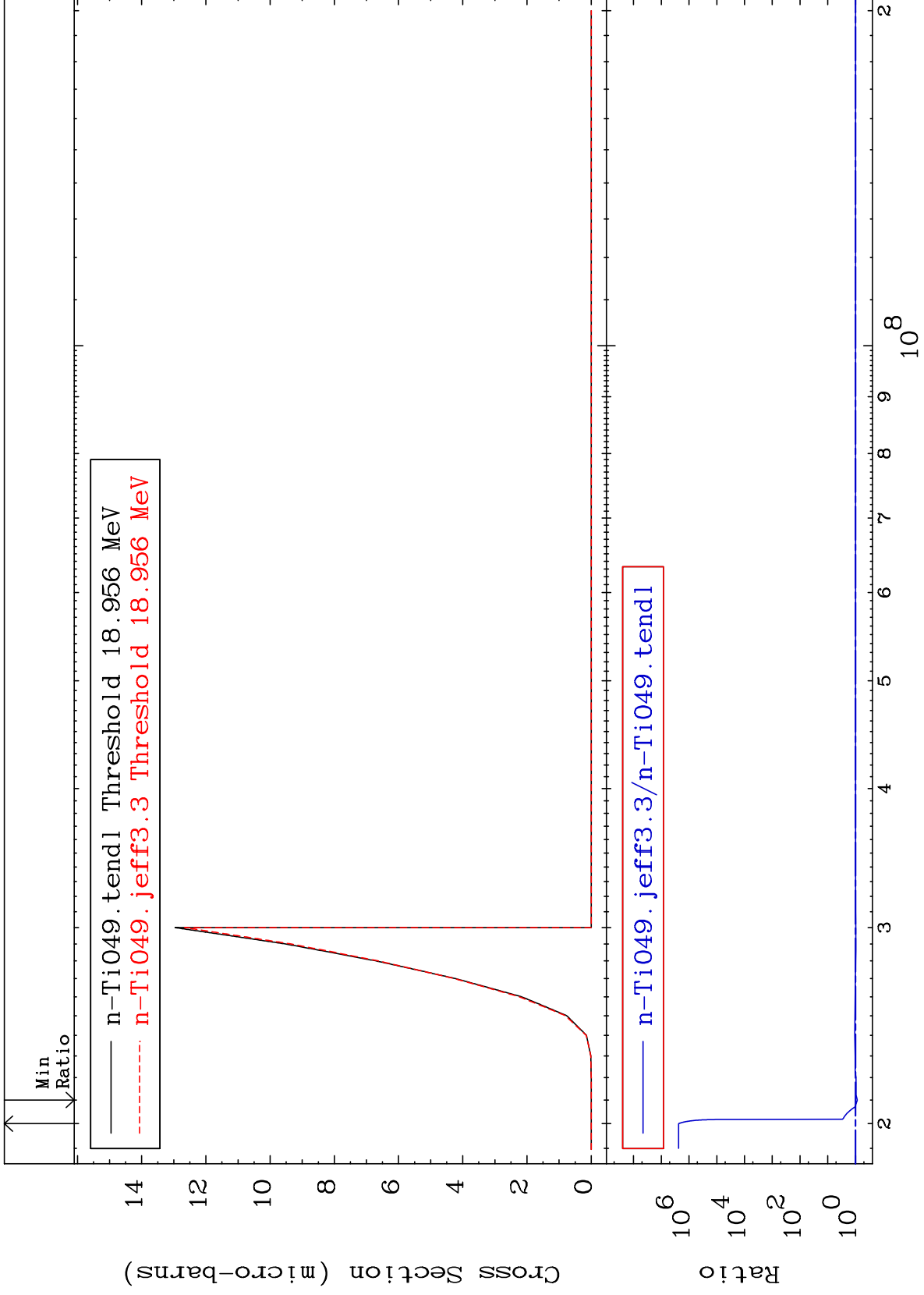




Cross Section

-14.26 To 102.0 %

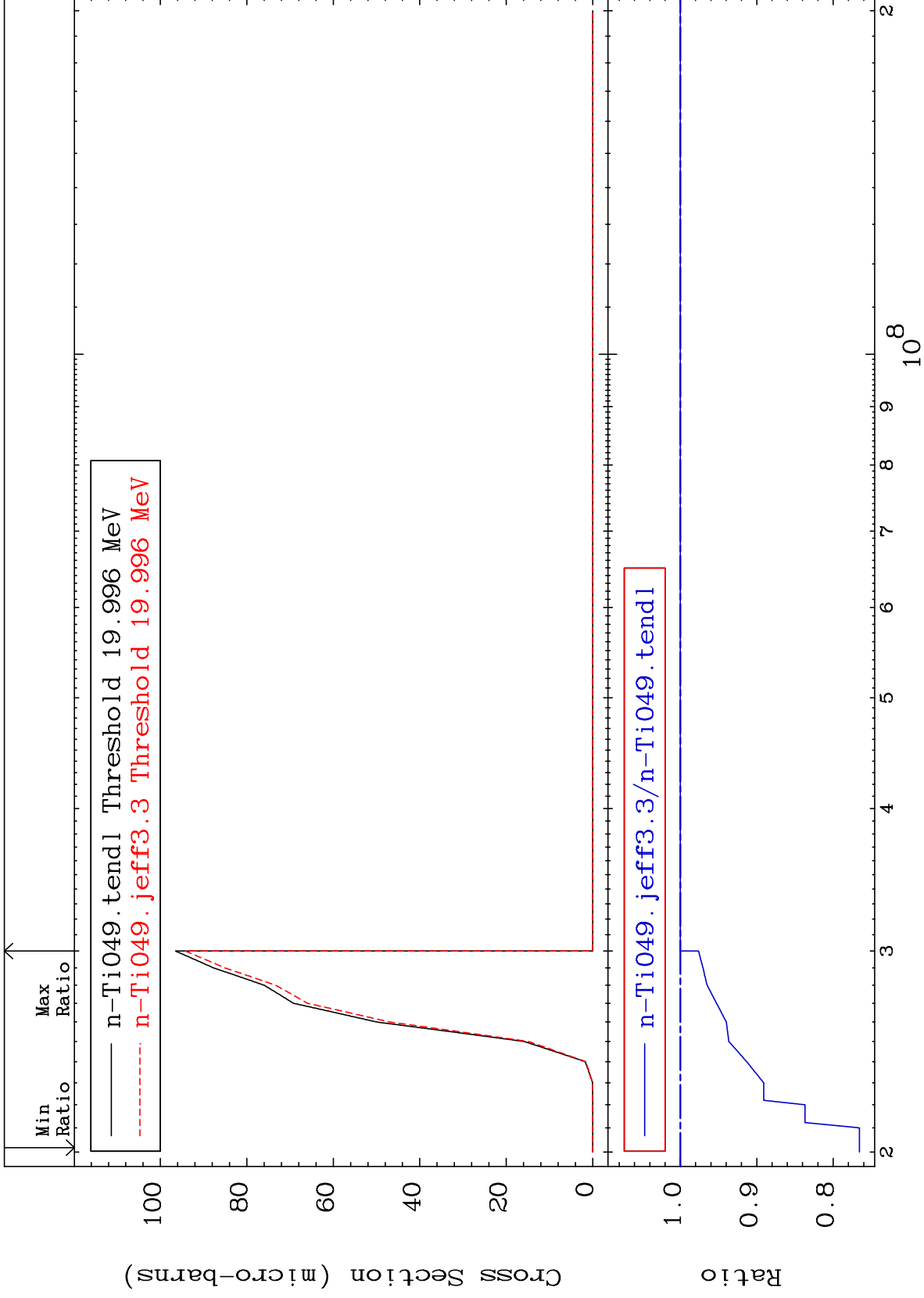




MAT 2234

(n, p) t
Cross Section

22-Ti-49
-23.44 To 0.000 %



60

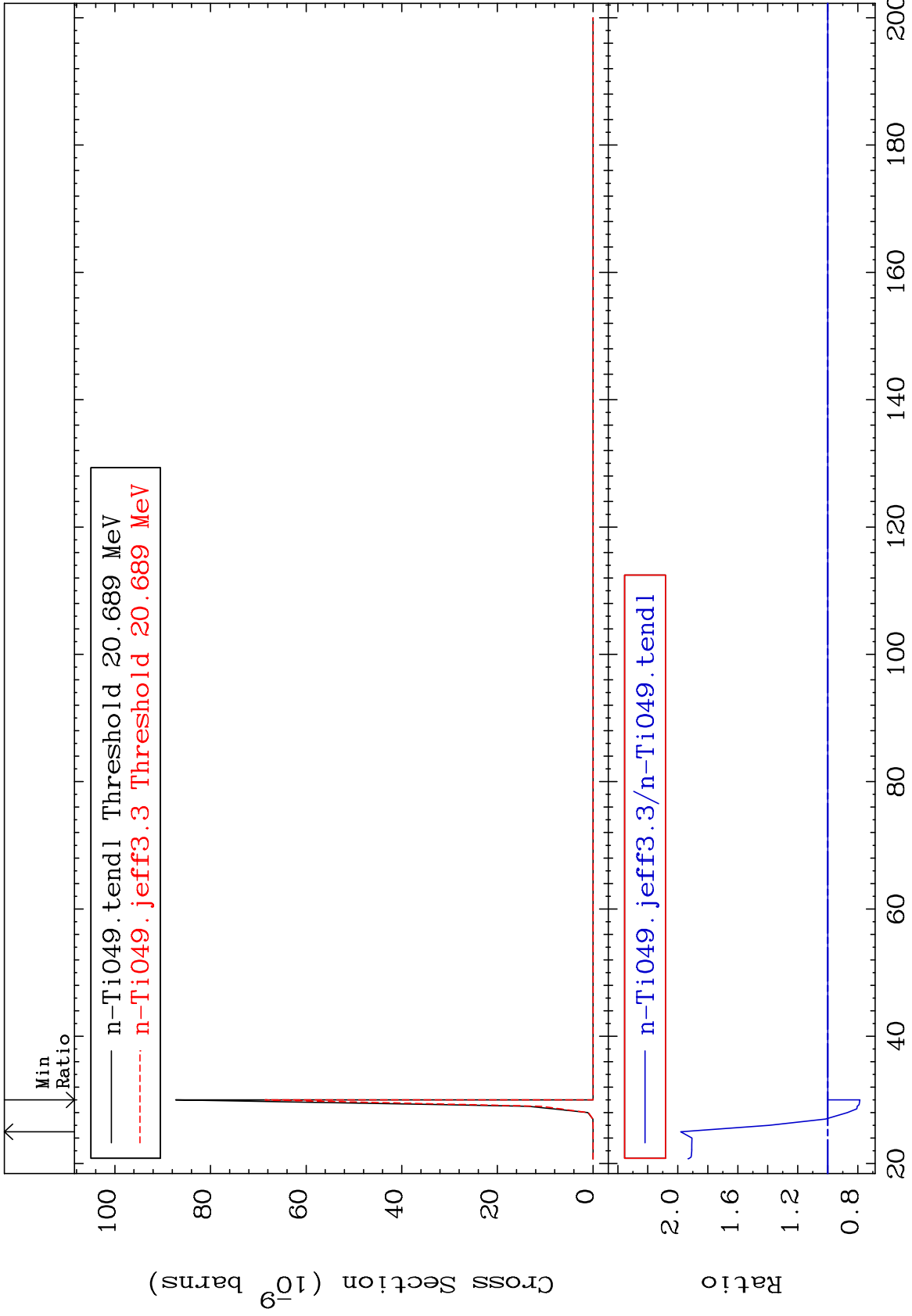
22-Ti-49

22-Ti-49

MAT 2234

(n, d) α
Cross Section

22-Ti-49
-21.44 To 98.05 %



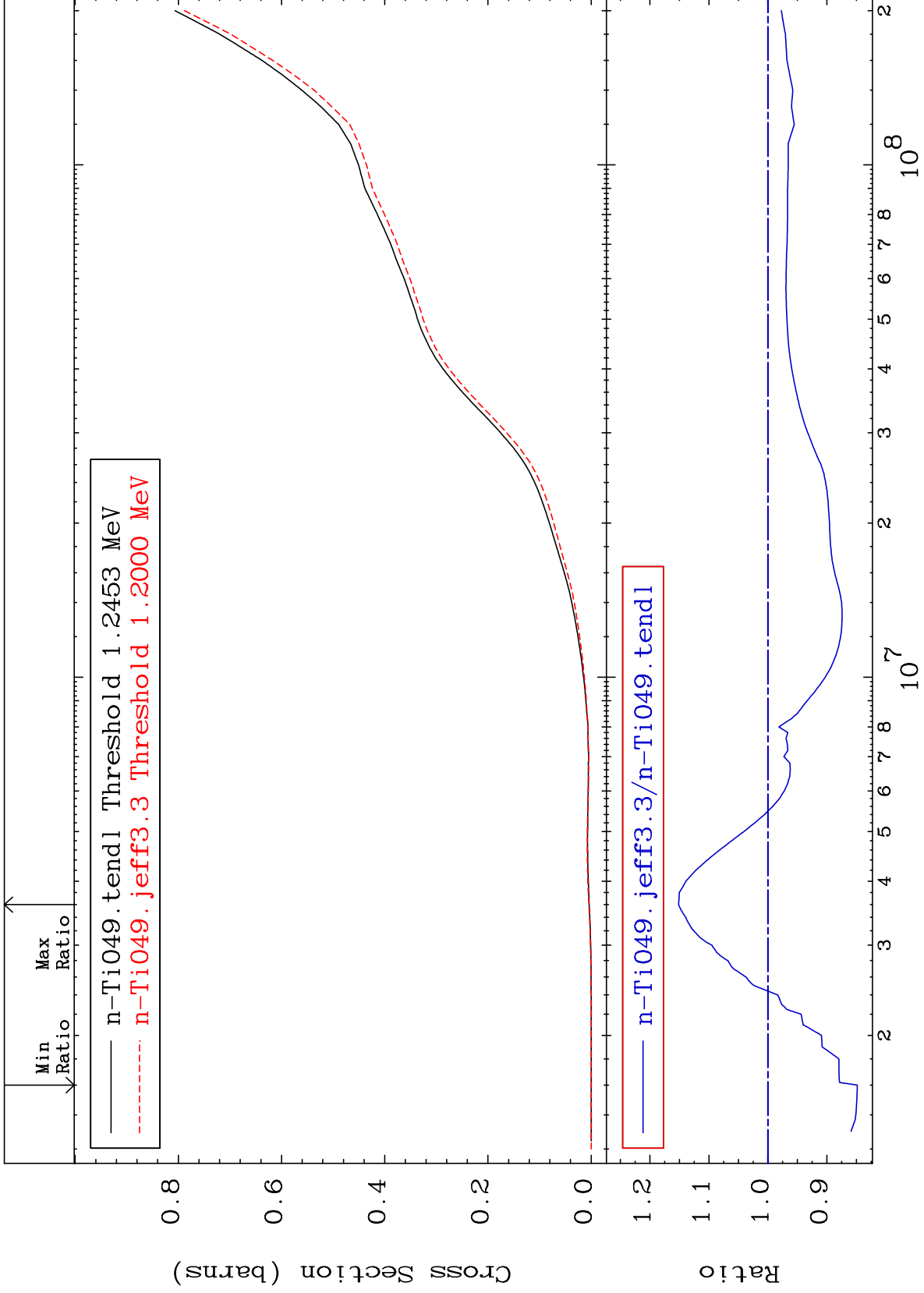
61

22-Ti-49

MAT 2234

Hydrogen Production
Cross Section

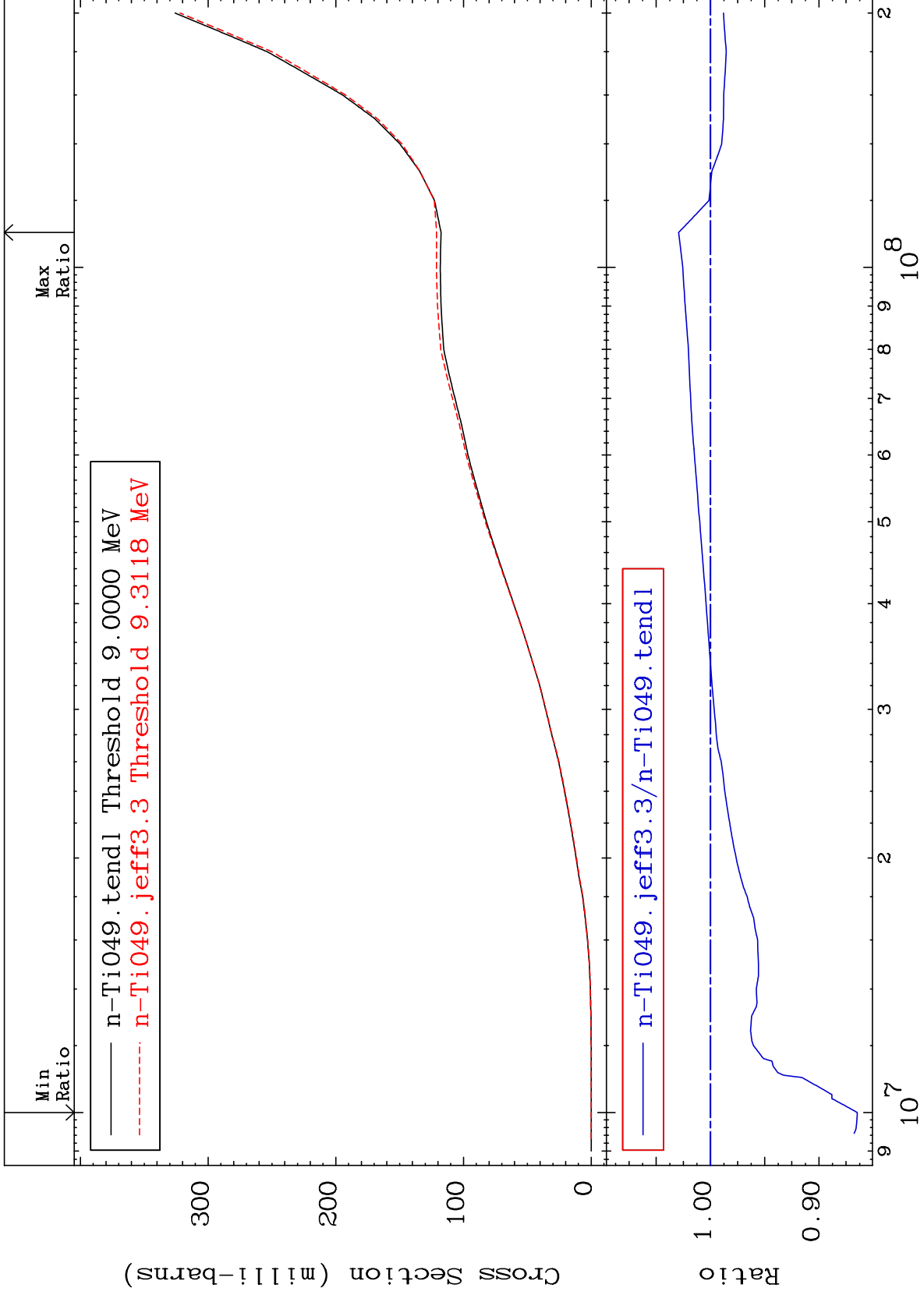
²²Ti-49
-15.14 To 15.13 %



MAT 2234

Deuterium Production
Cross Section

$^{22}\text{Ti}-49$
-13.53 To 2.932 %



63

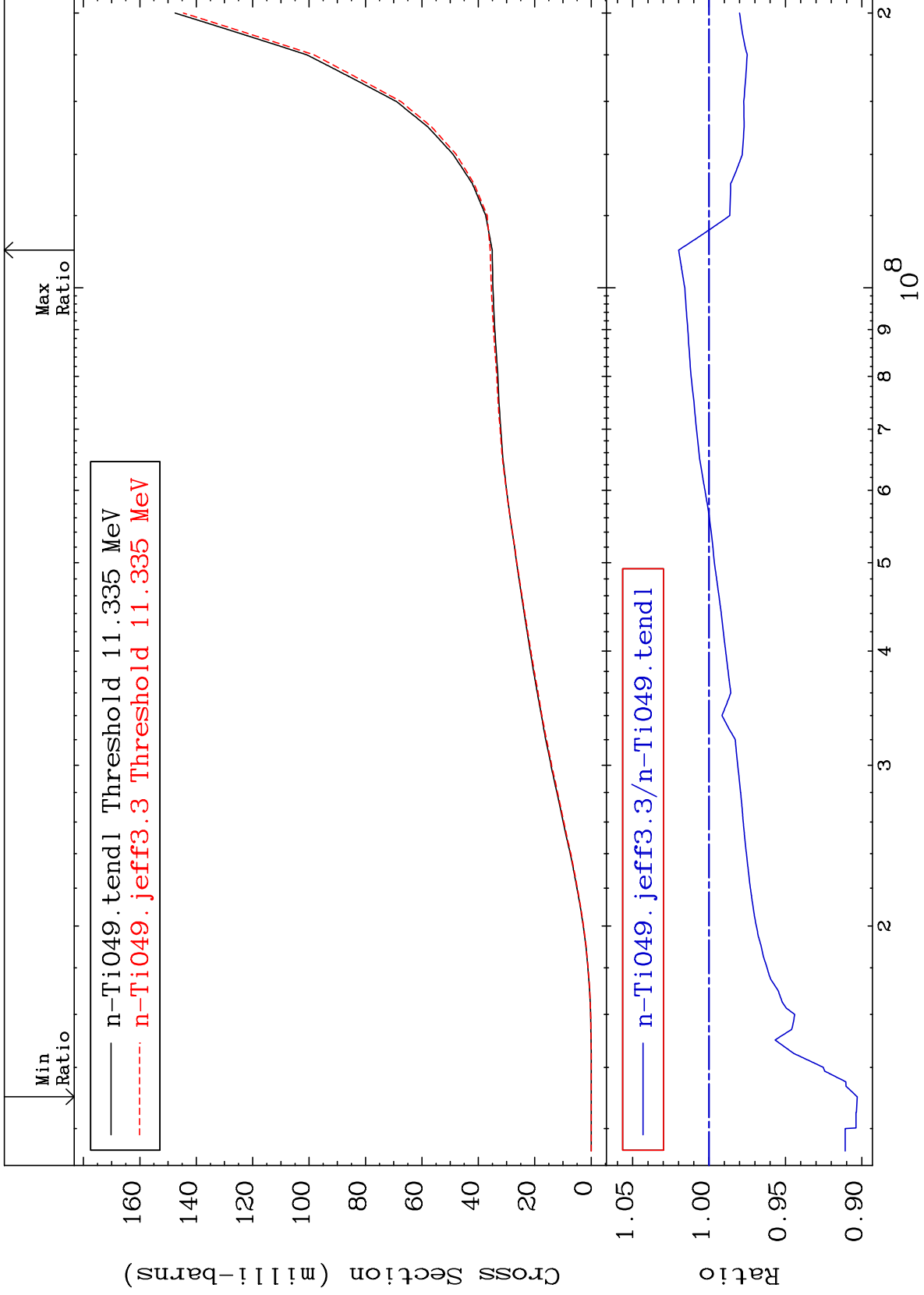
Incident Energy (eV)

$^{22}\text{Ti}-49$

MAT 2234

Tritium Production
Cross Section

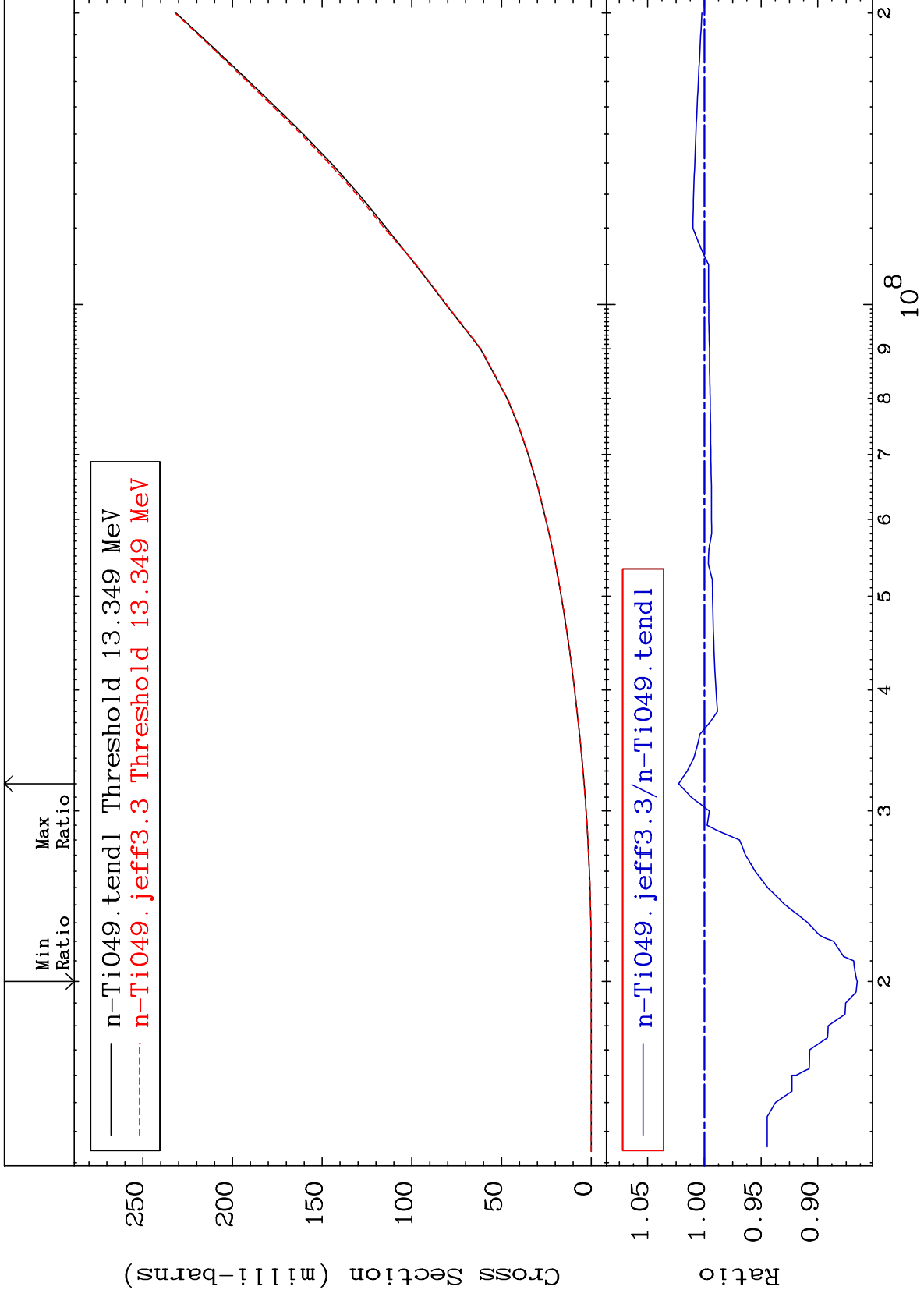
22-Ti-49
-9.699 To 1.991 %



MAT 2234

He-3 Production
Cross Section

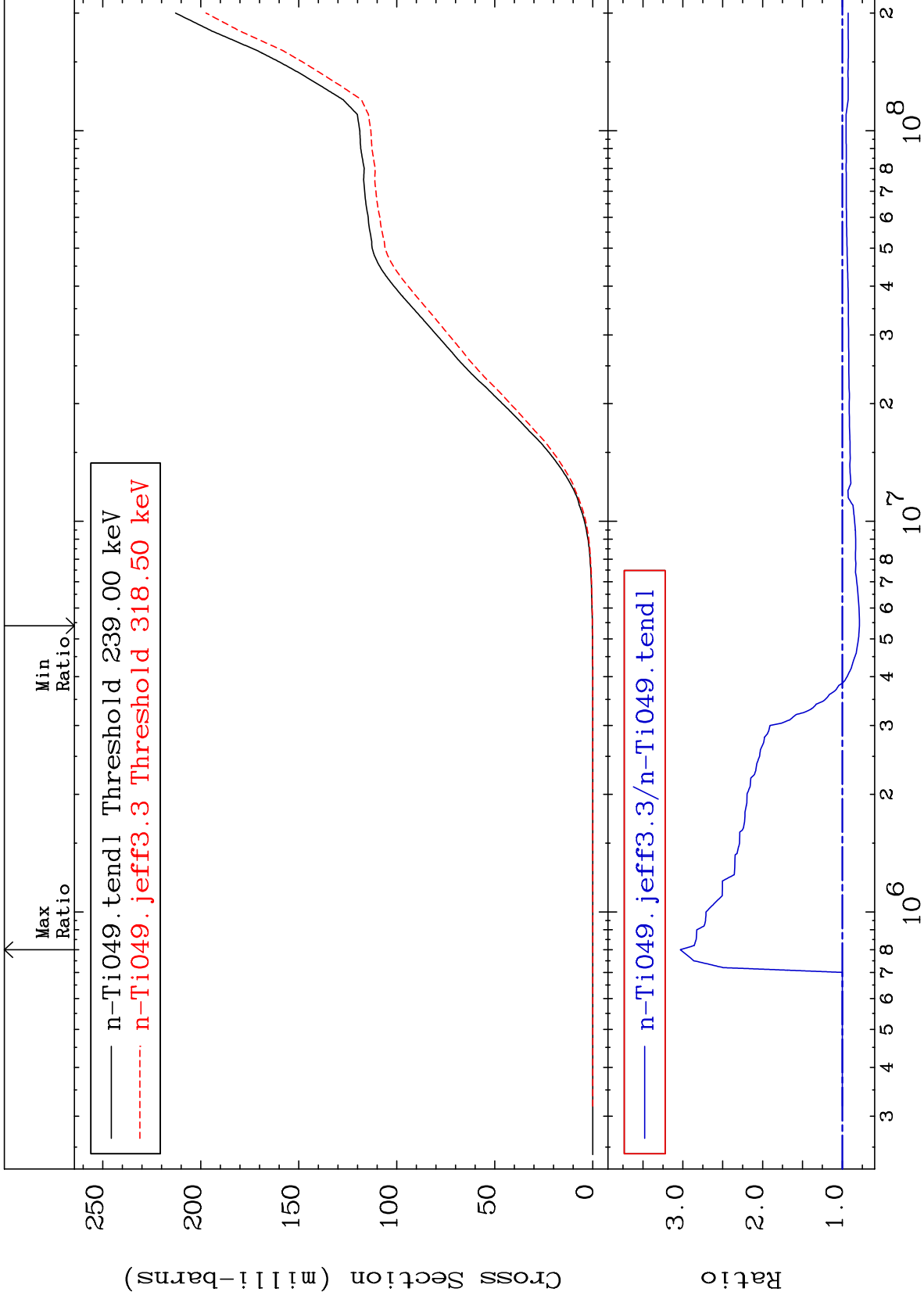
²²Ti-49
-13.48 To 2.271 %

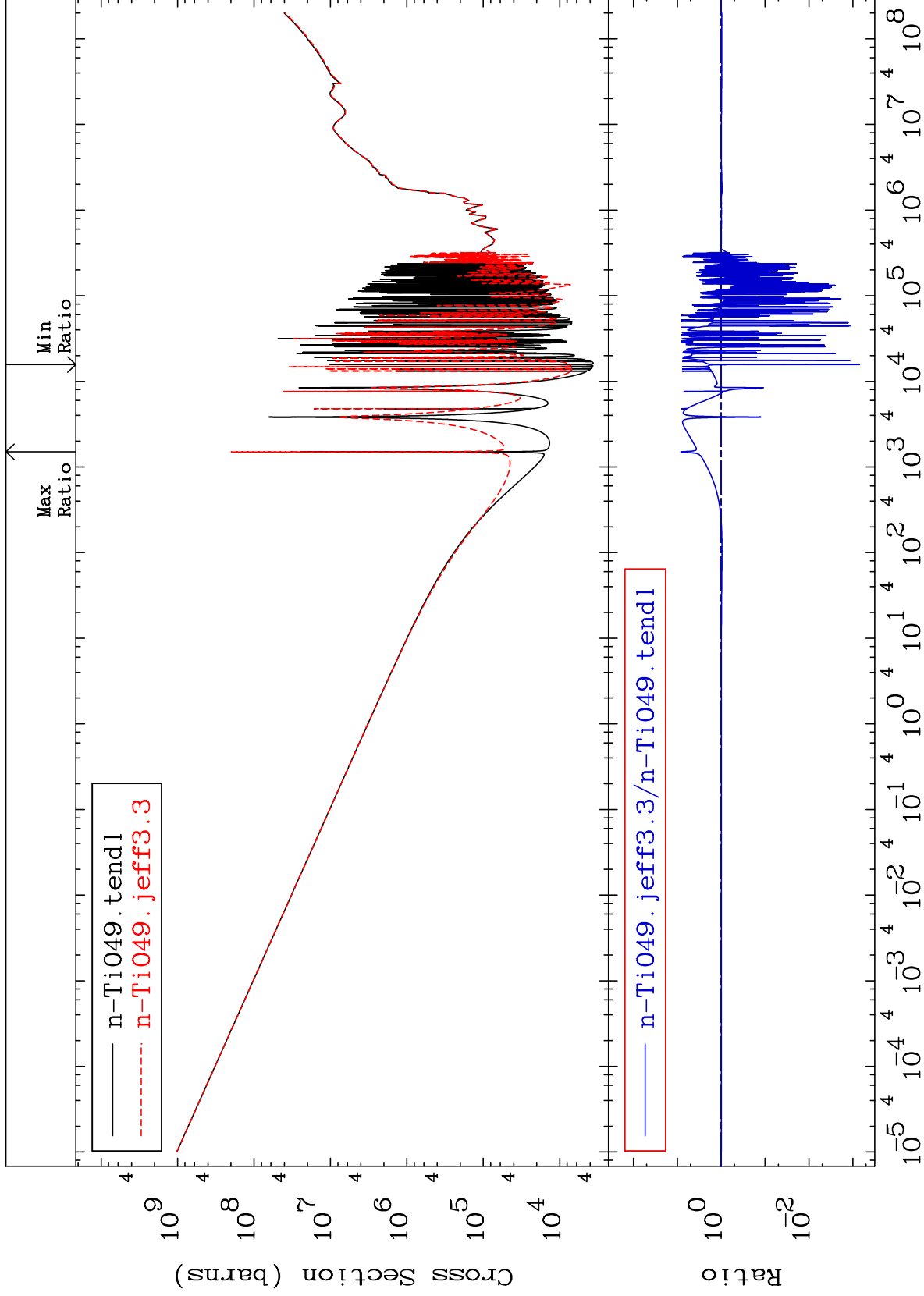


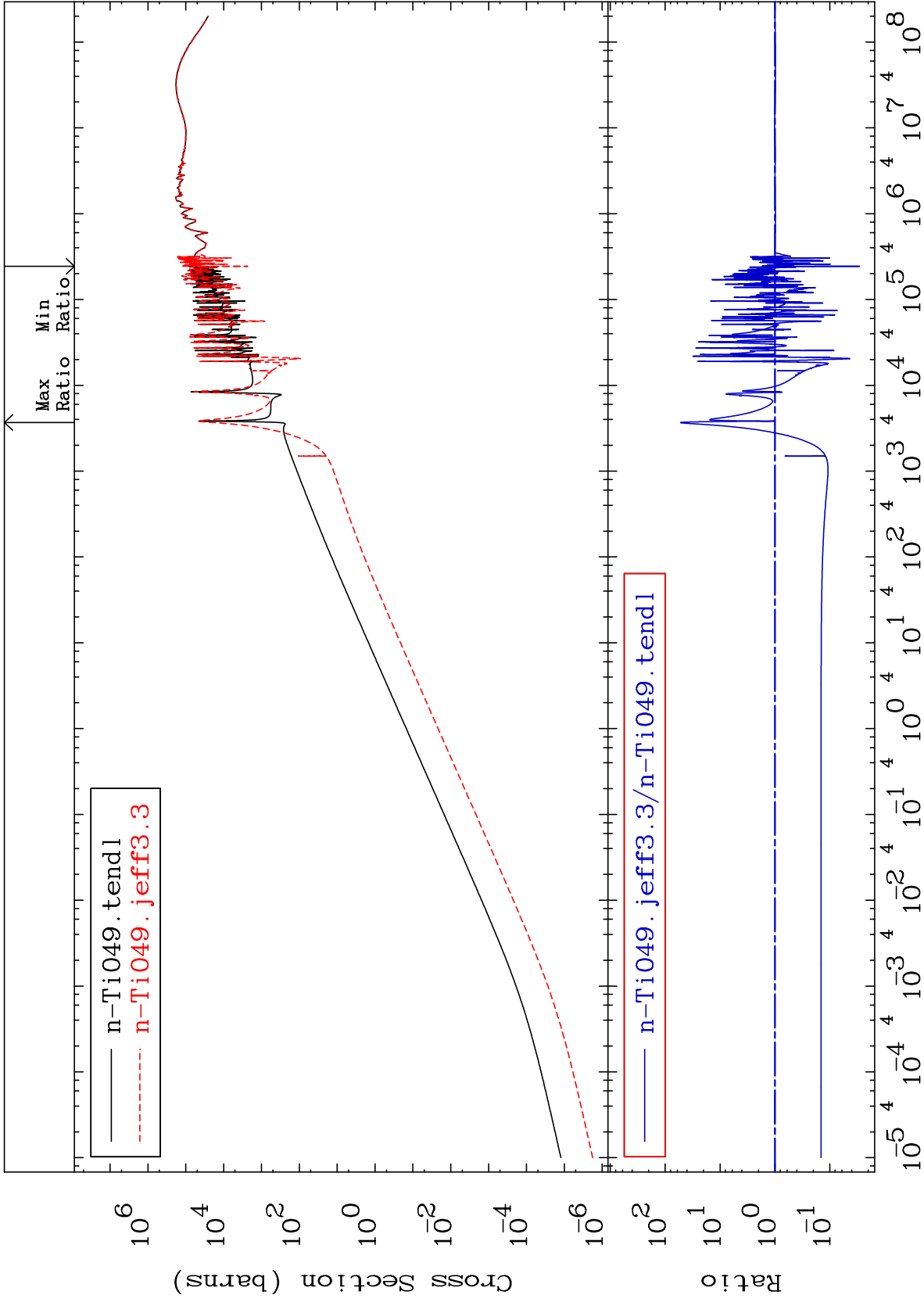
MAT 2234

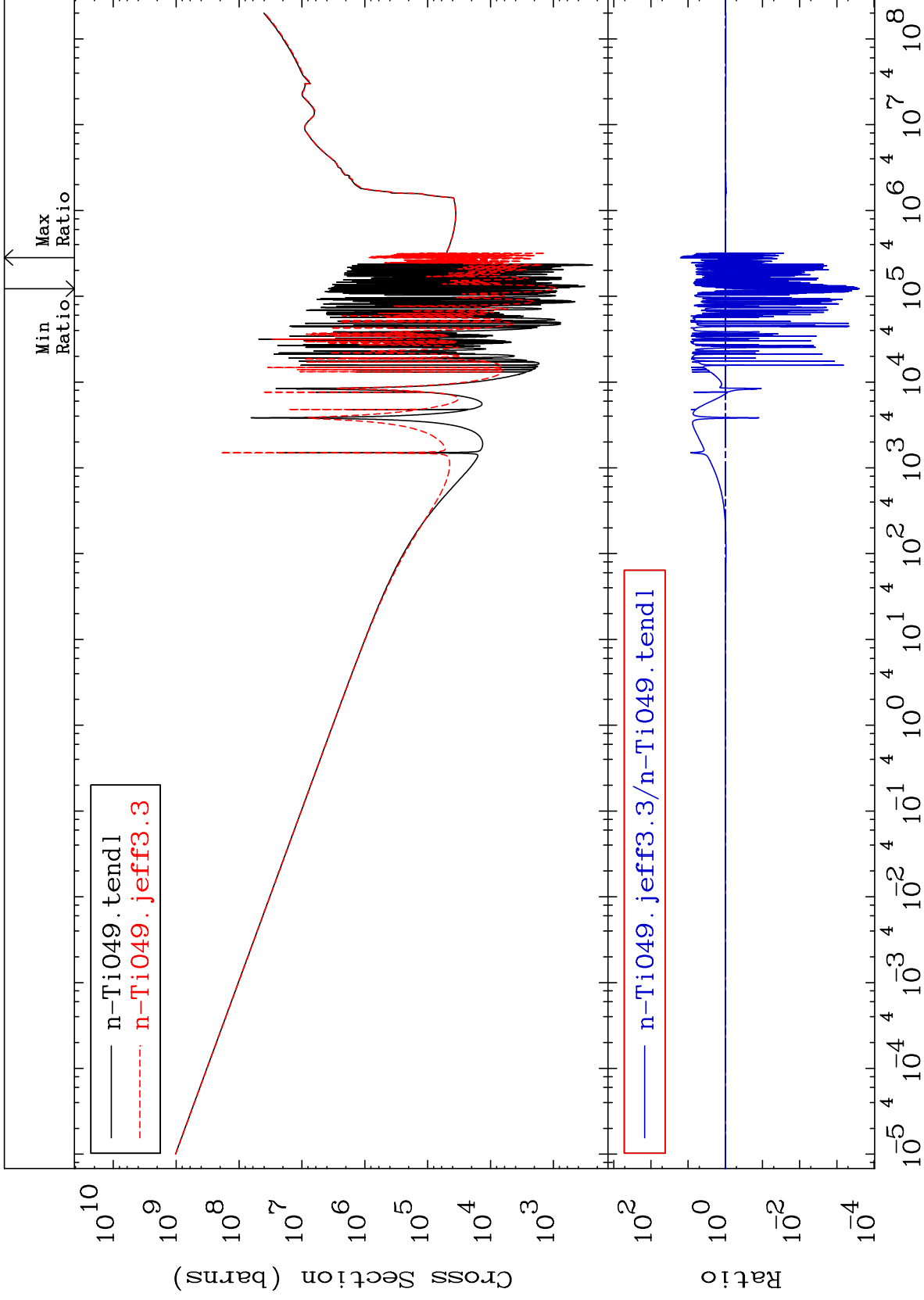
He-4 Production
Cross Section

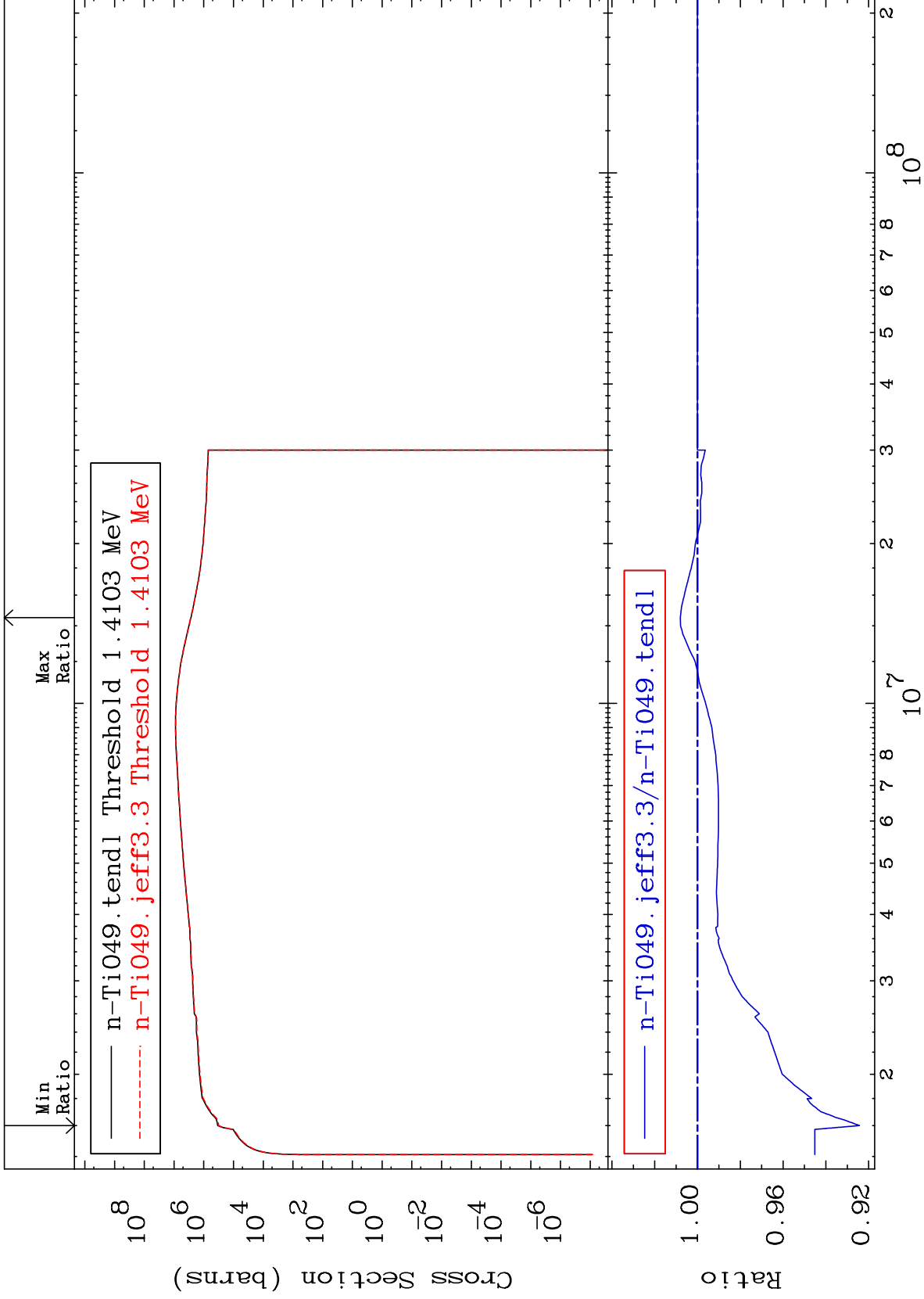
²²Ti-49
-21.43 To 203.1 %







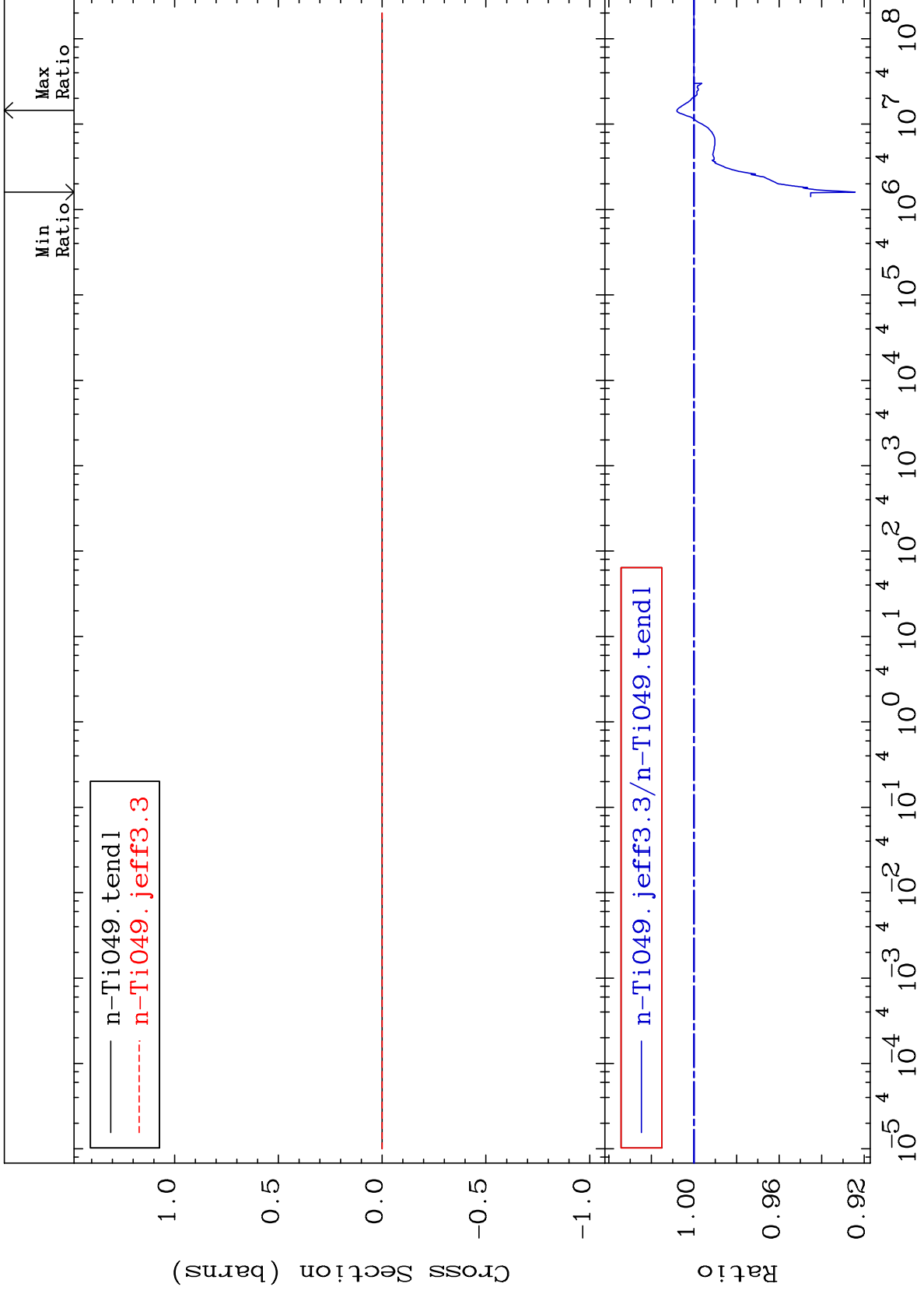




MAT 2234

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

22-Ti-49
-7.569 To 0.802 %



71

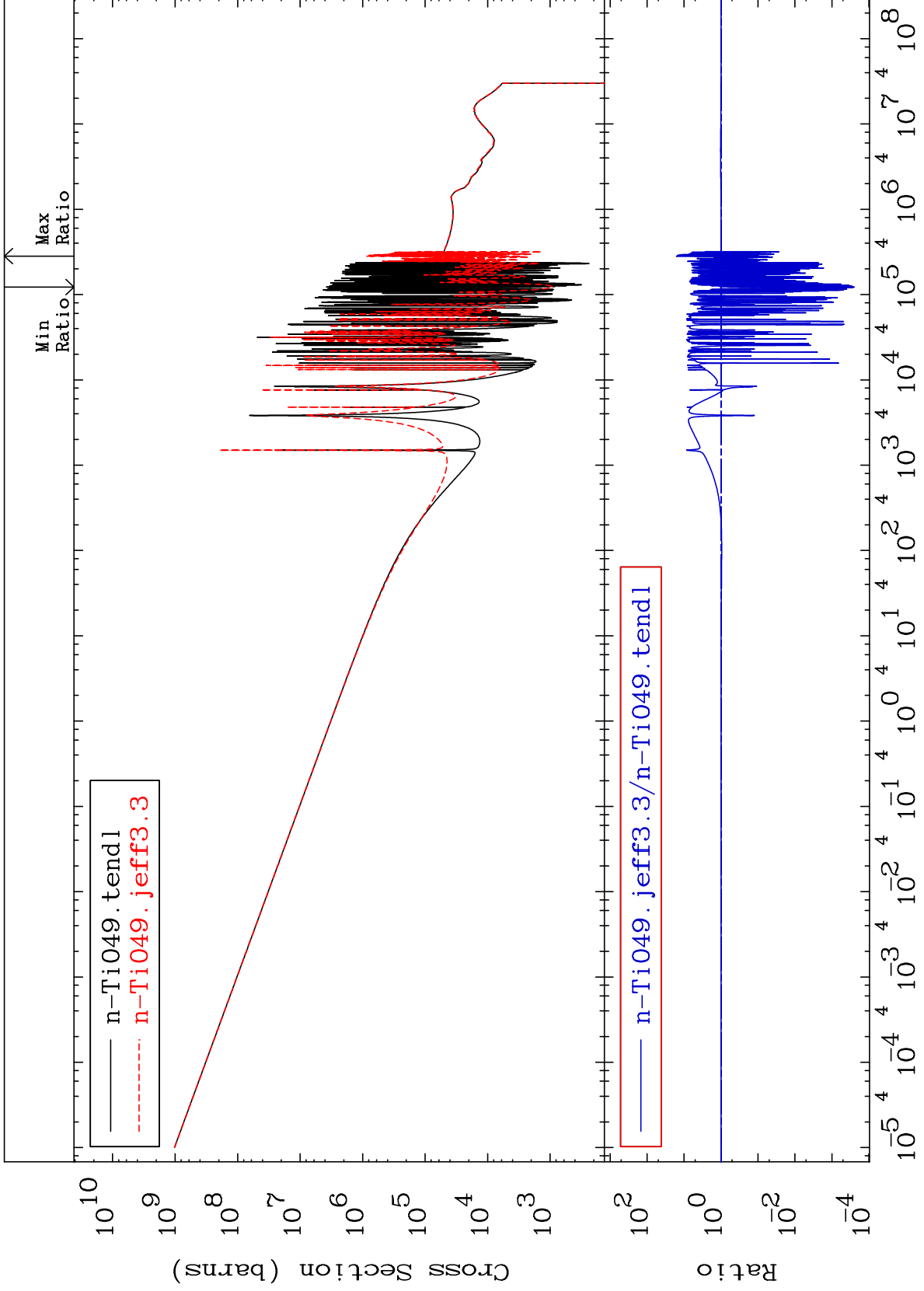
Incident Energy (eV)

22-Ti-49

MAT 2234

Kerma capture (mt102)
Cross Section

22-Ti-49
-99.98 To 1514. %



72

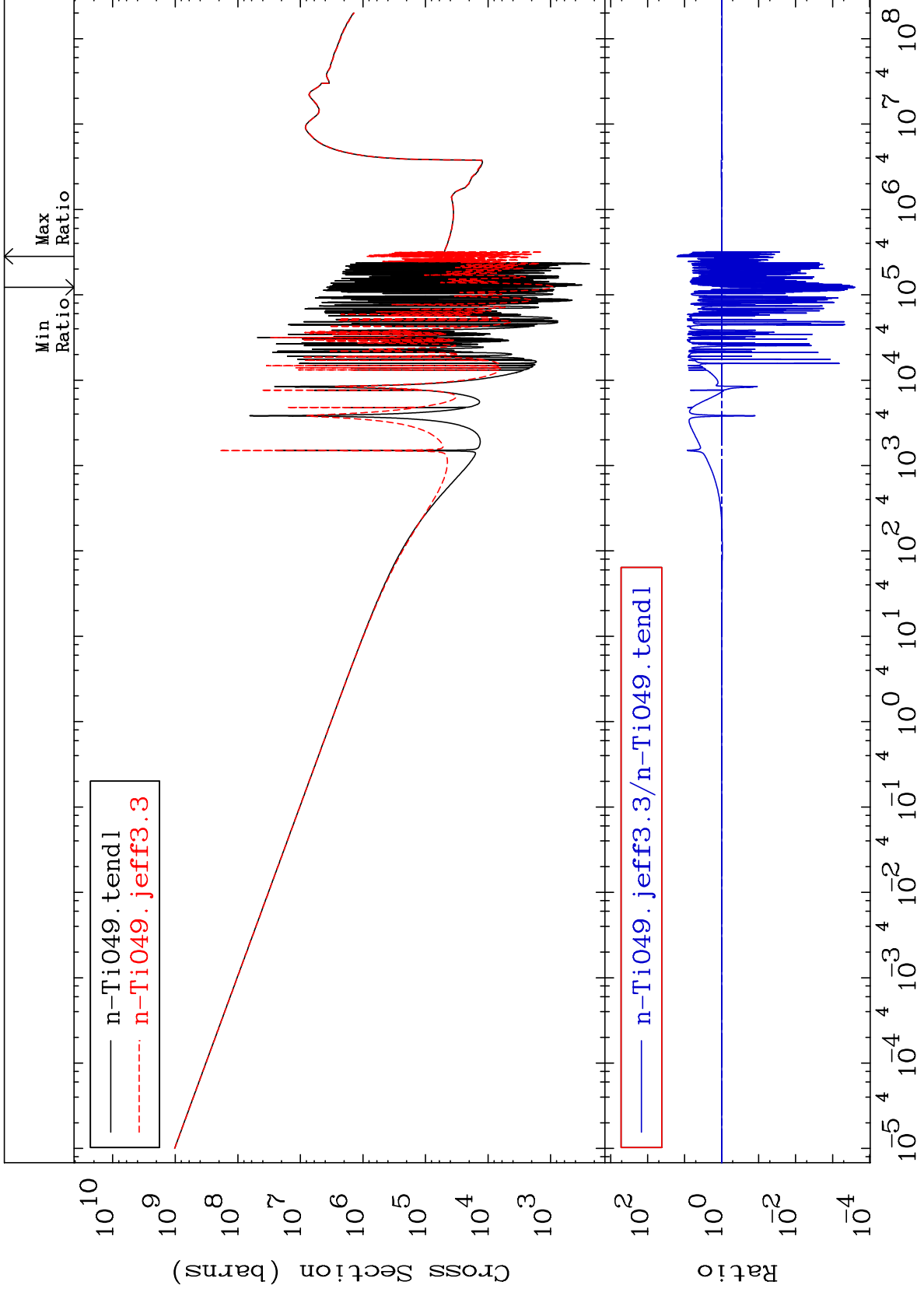
Incident Energy (eV)

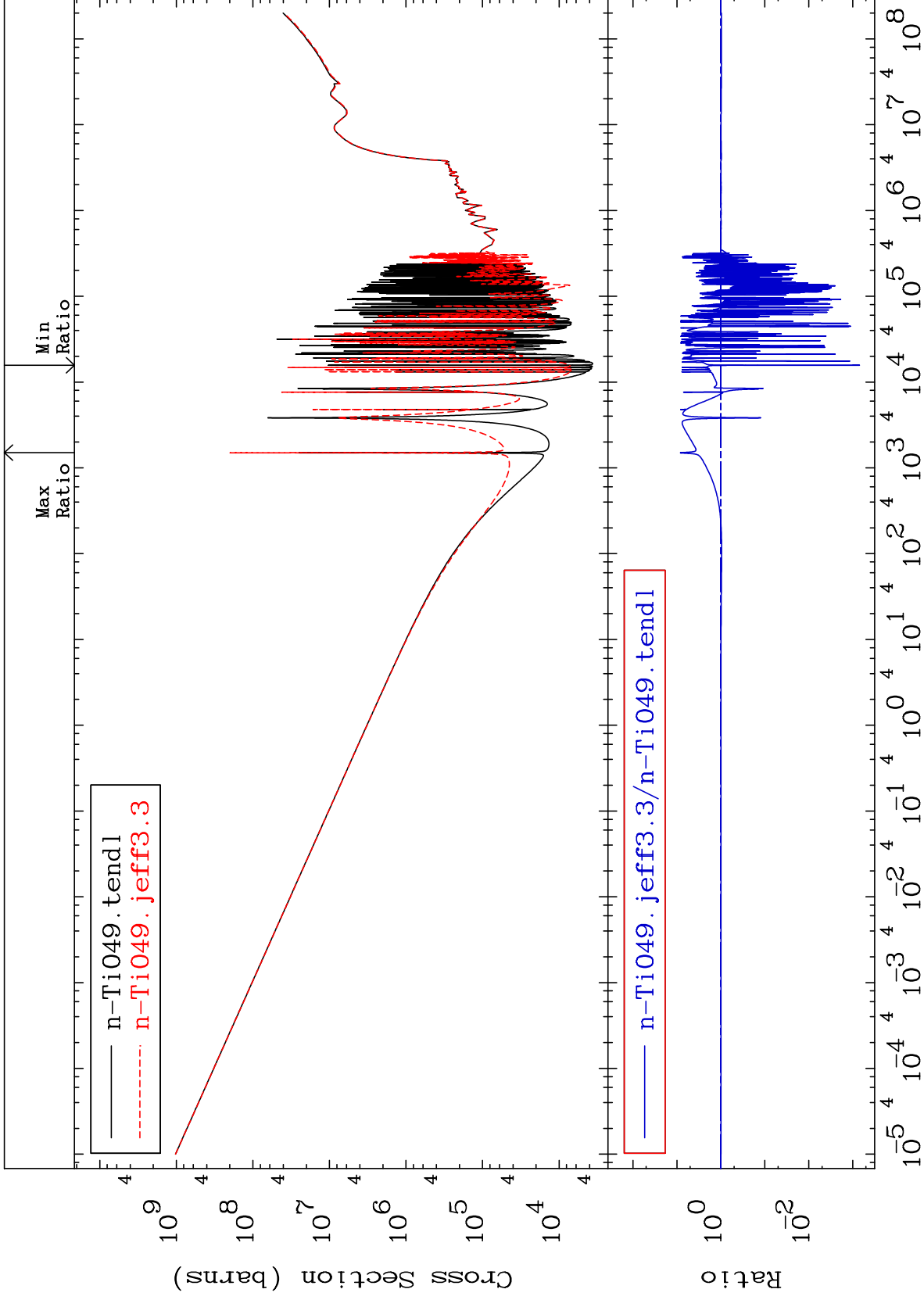
22-Ti-49

MAT 2234

Total photon (eV-barns)
Cross Section

22-Ti-49
-99.98 To 1514. %

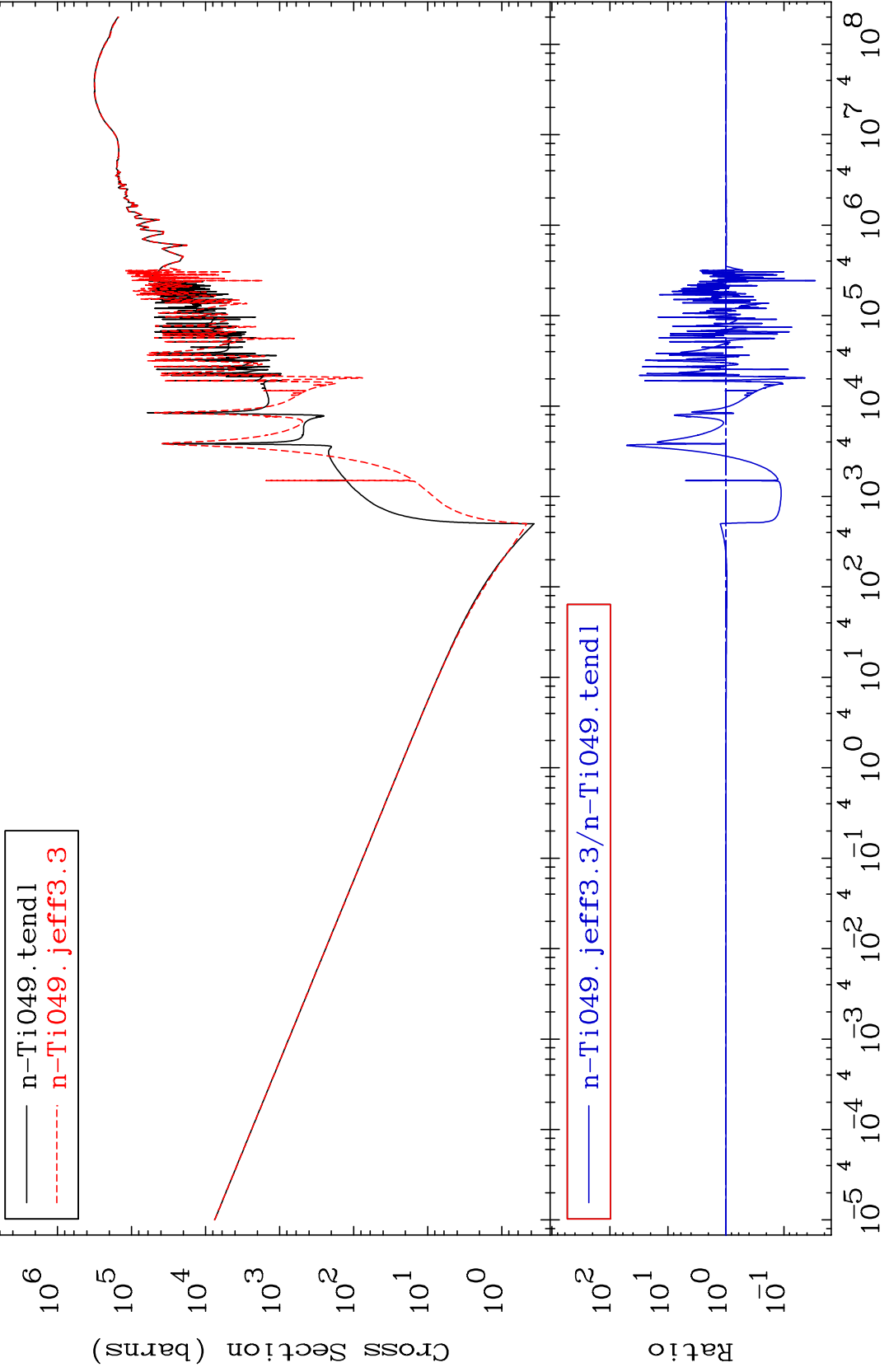


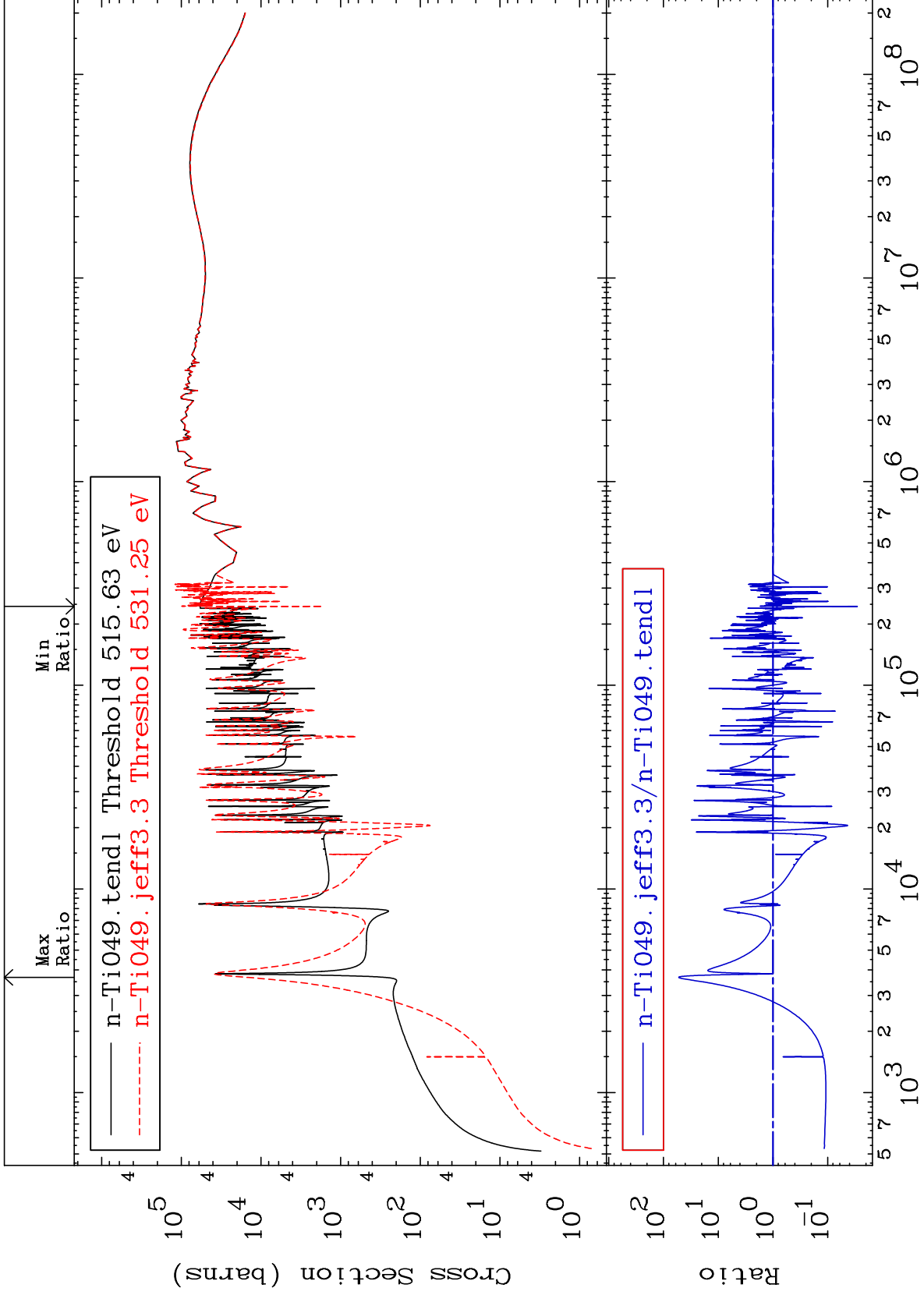


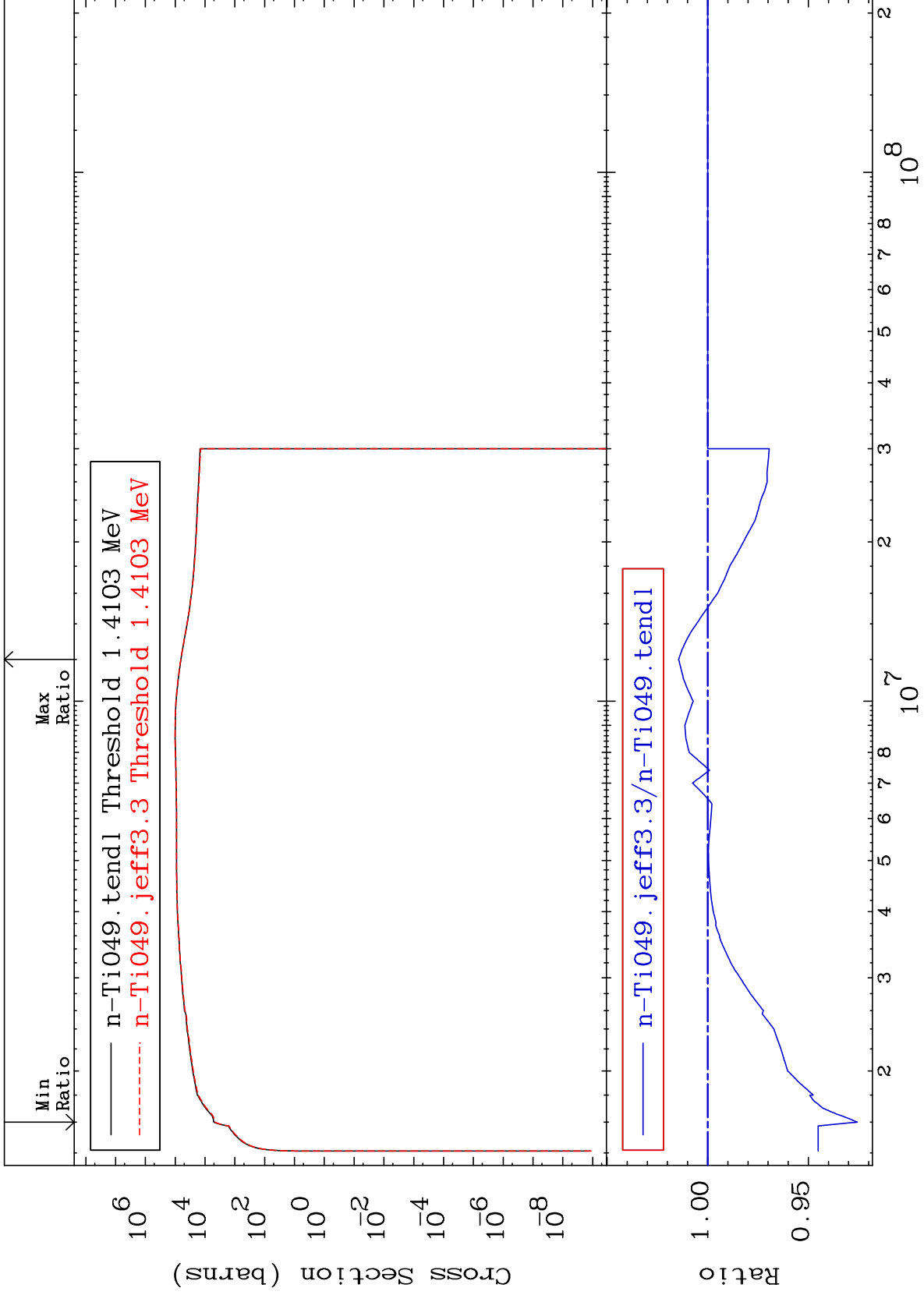
MAT 2234

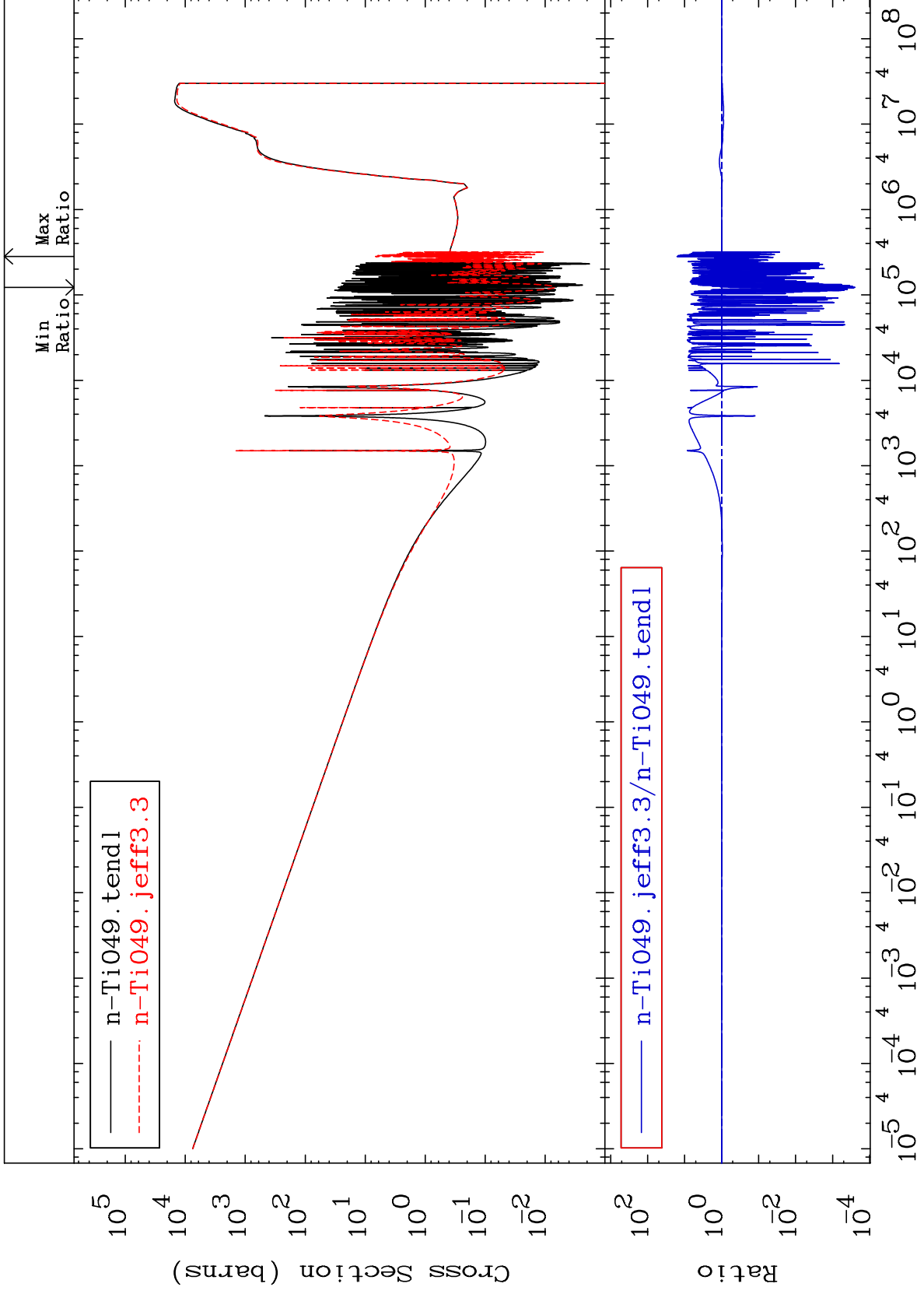
Dpa total (eV-barns)
Cross Section

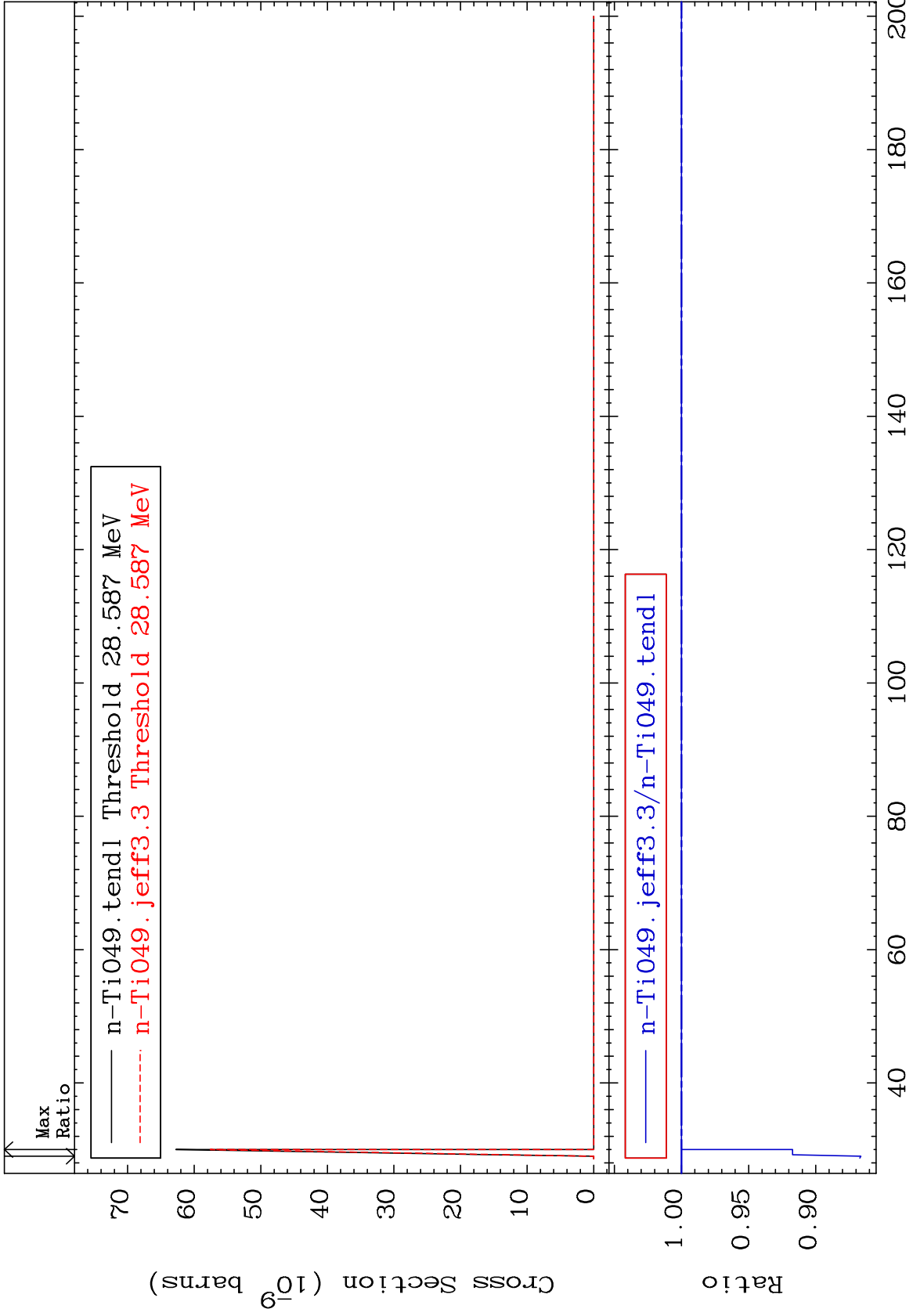
22-Ti-49
-97.11 To 5100. %









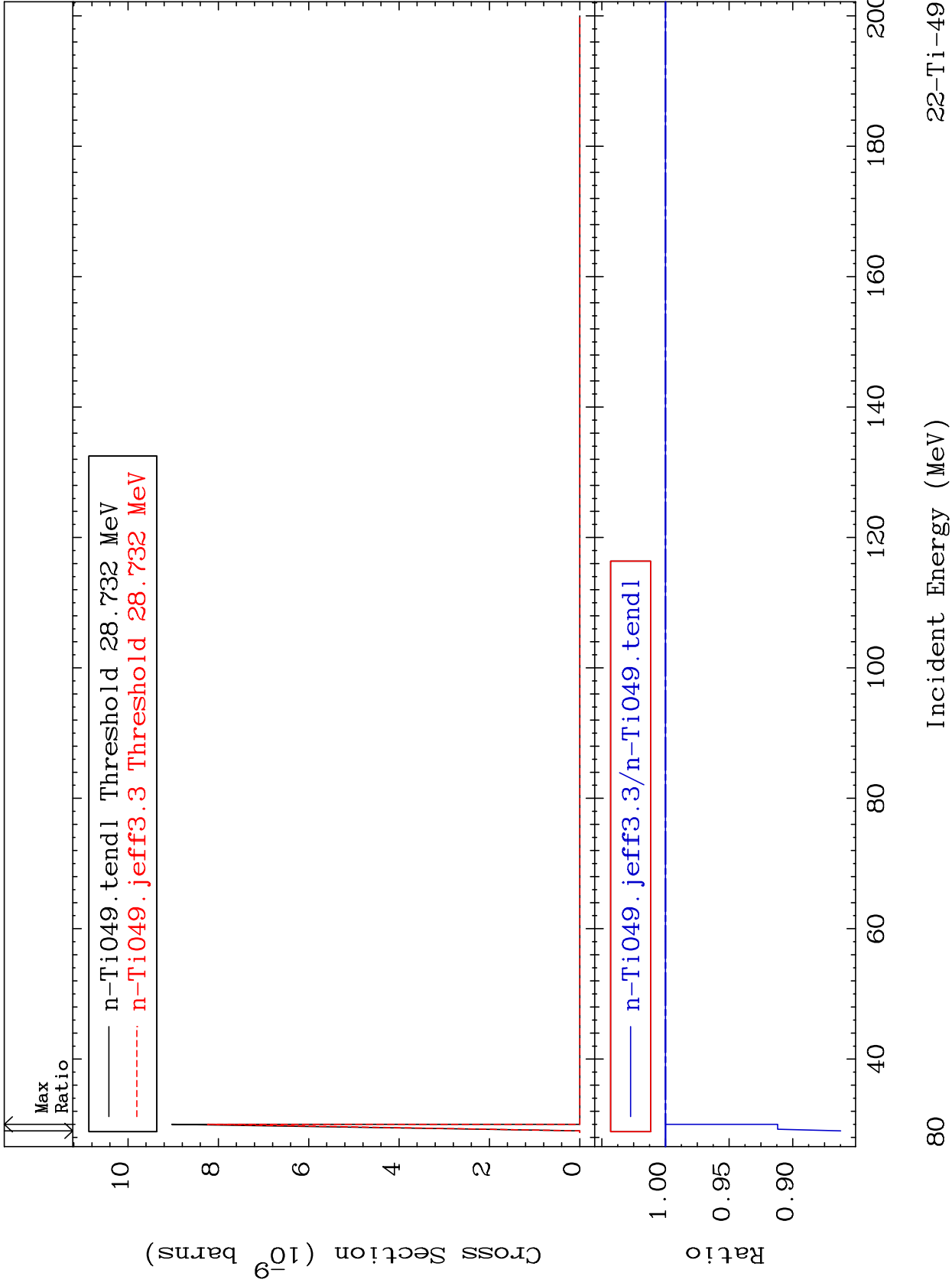


MAT 2234

(n,2n) d:21-Sc-46m2

22-Ti-49

Radionuclide Production Cross Section -13.77 To 0.000 %



80

Incident Energy (MeV)

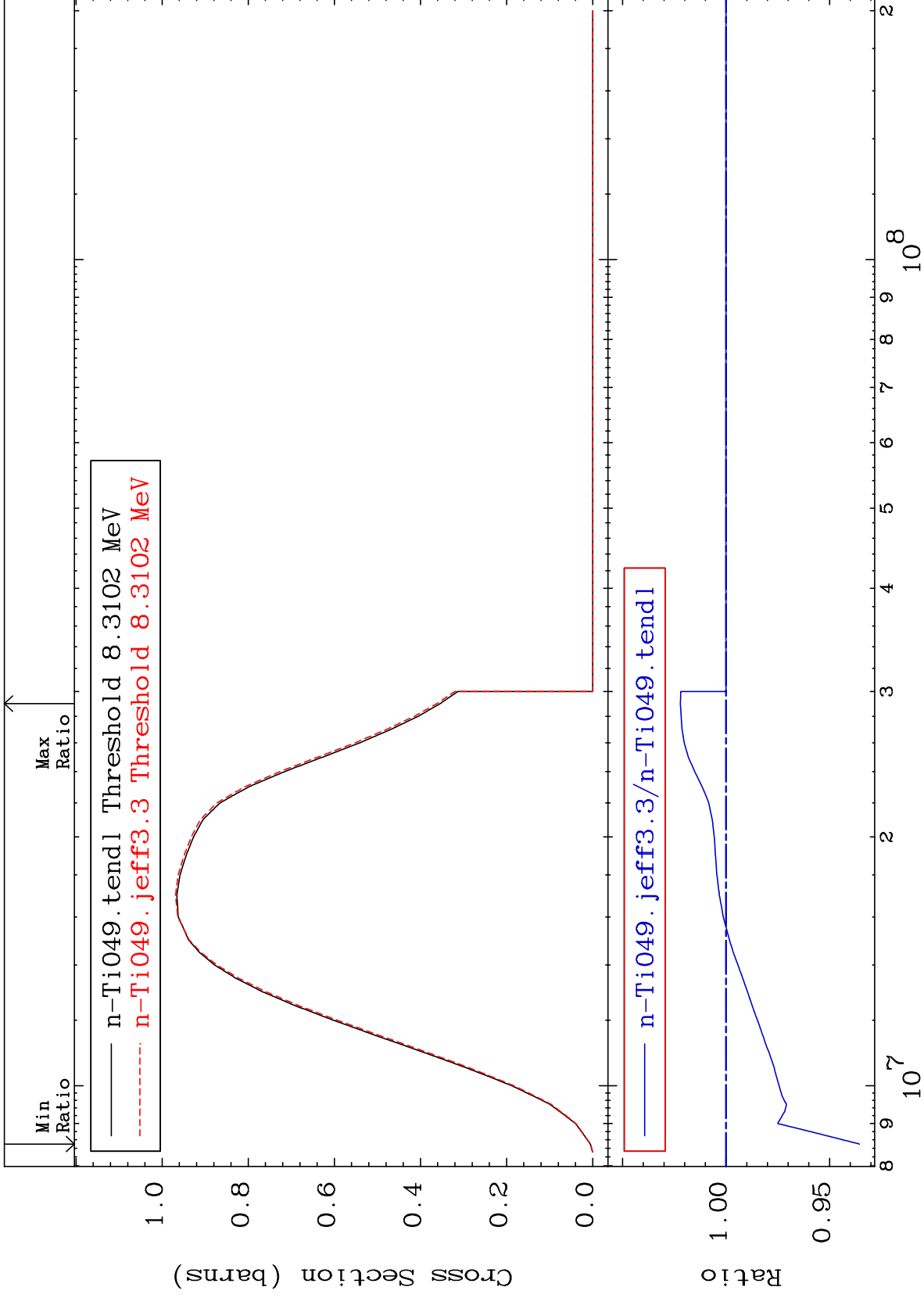
22-Ti-49

MAT 2234

(n,2n):22-Ti-48g

22-Ti-49

Radionuclide Production Cross Section -6.444 To 2.208 %



81

Incident Energy (eV)

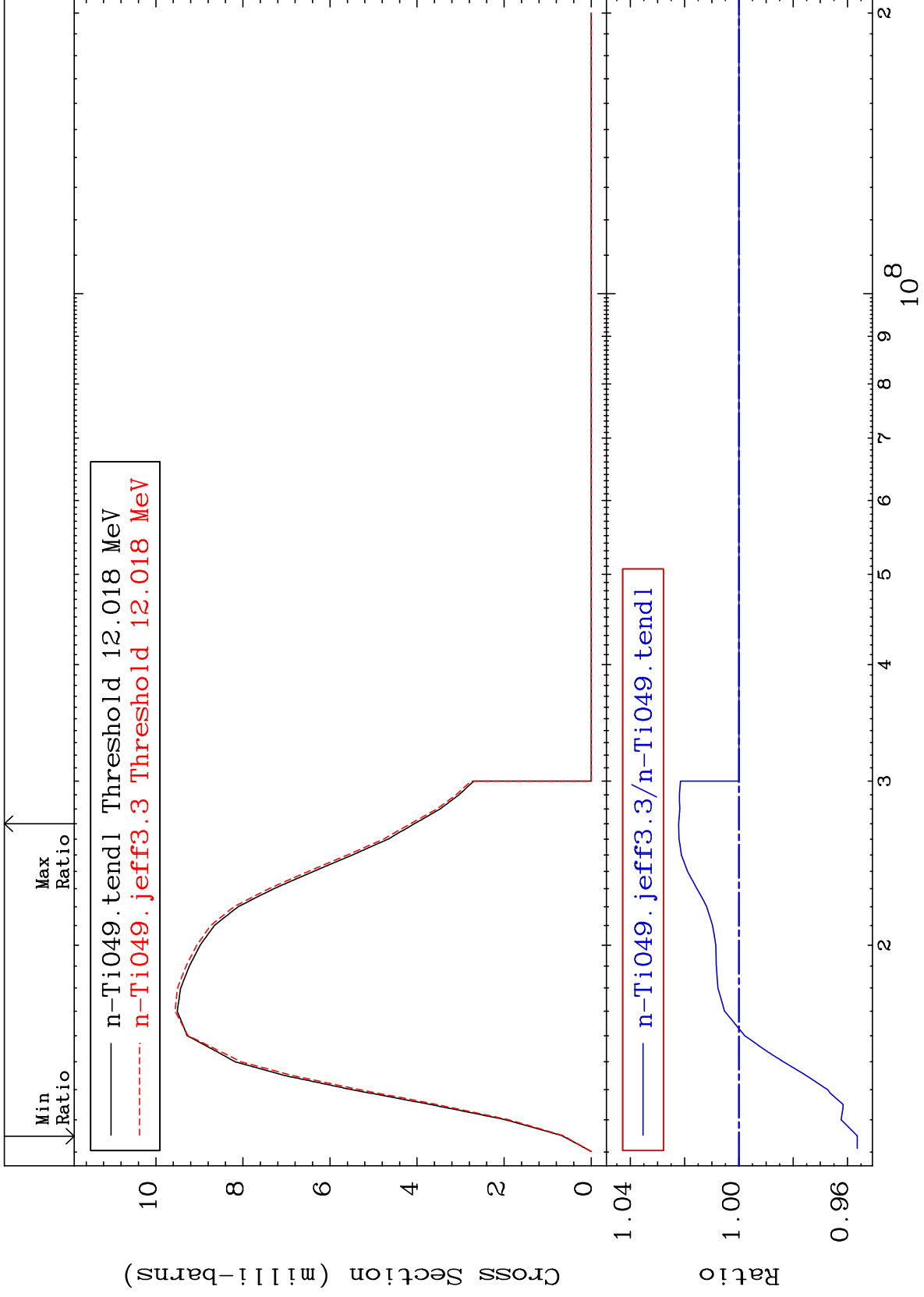
22-Ti-49

MAT 2234

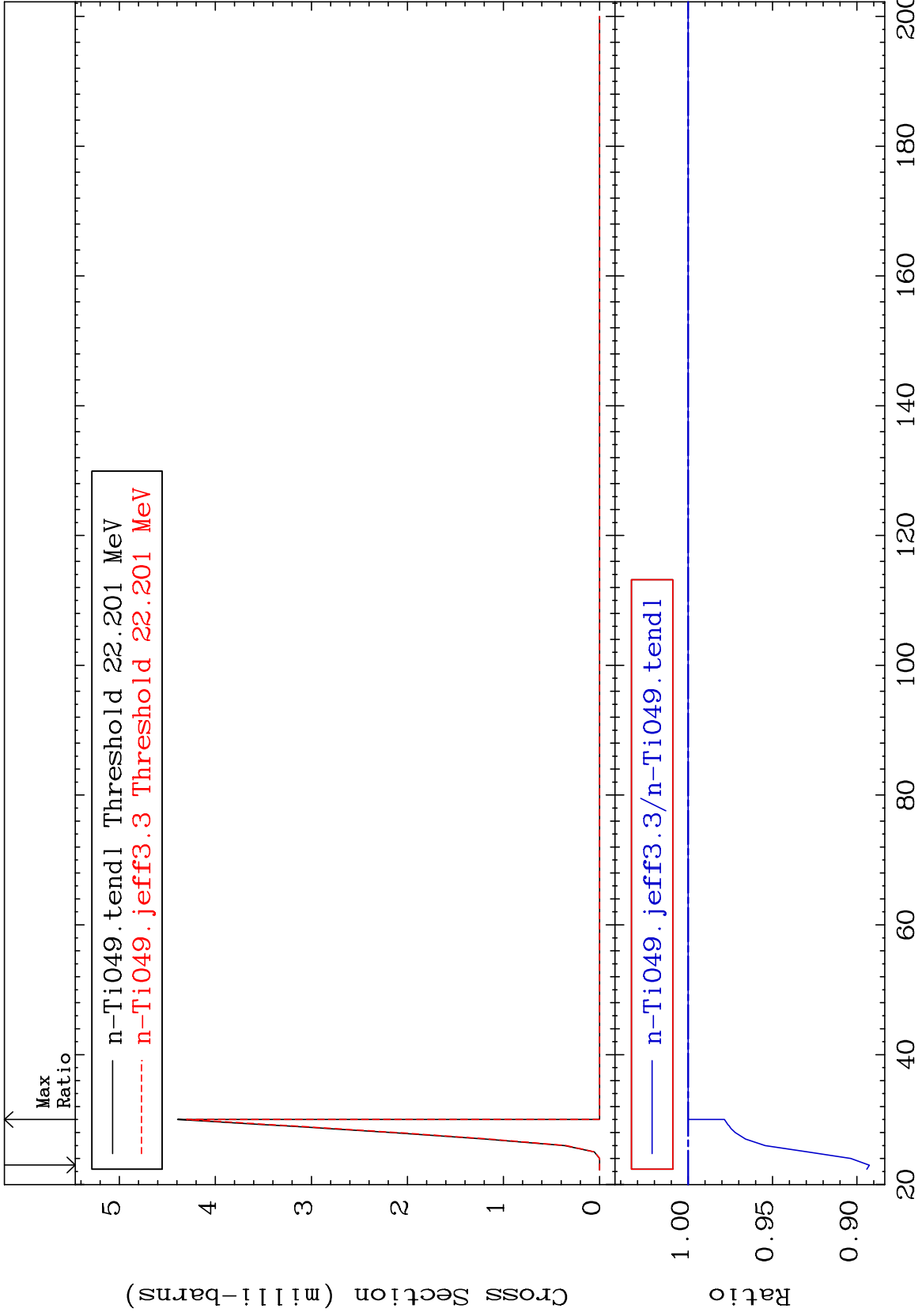
(n,2n):22-Ti-48m14

22-Ti-49

Radionuclide Production Cross Section -4.362 To 2.222 %



Radionuclide Production Cross Section -10.74 To 0.000 %

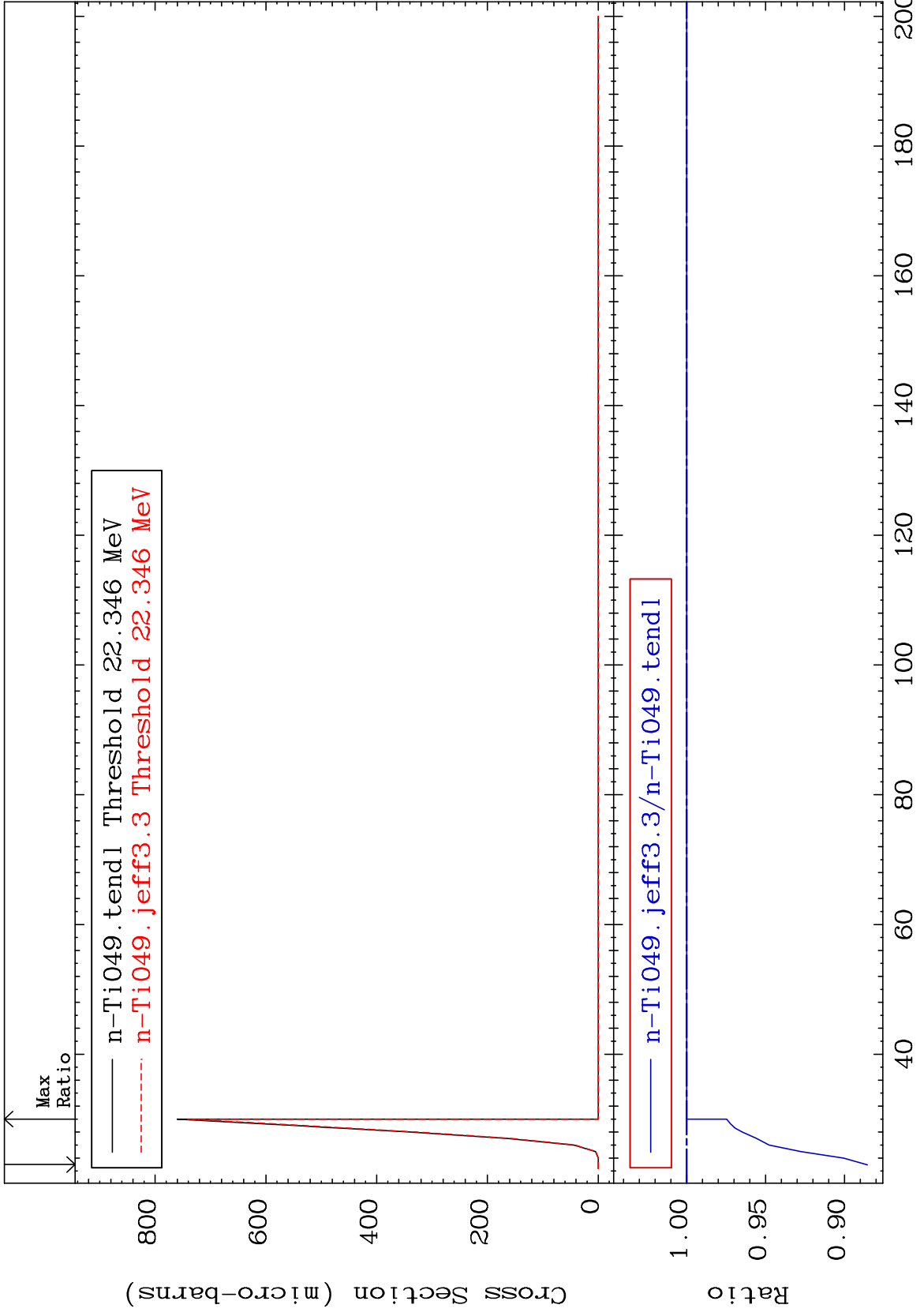


MAT 2234

(n, n') t:21-Sc-46m2

22-Ti-49

Radionuclide Production Cross Section -11.45 To 0.000 %



84

Incident Energy (MeV)

22-Ti-49