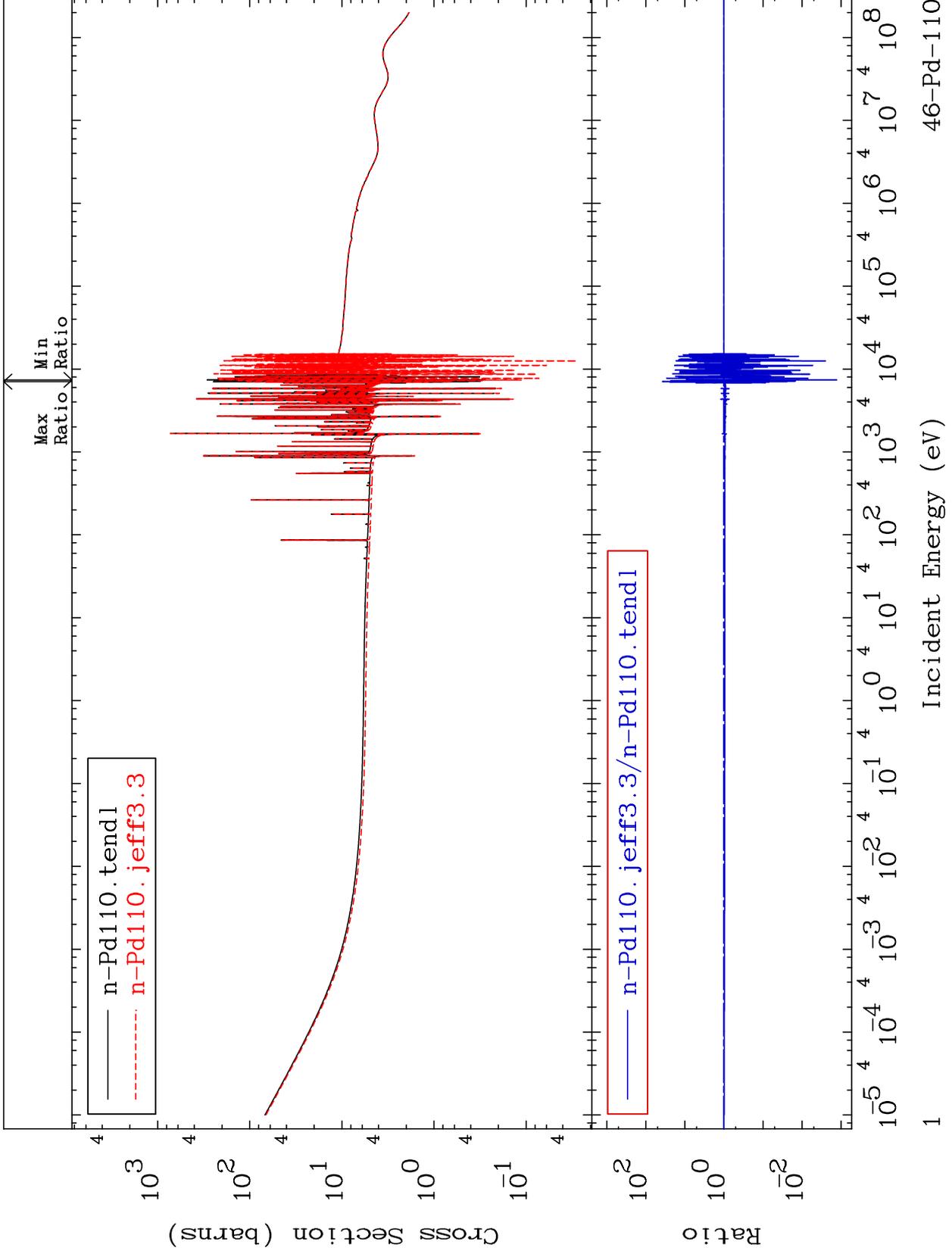


MAT 4649

Total
Cross Section

46-Pd-110
-99.87 To 3671. %

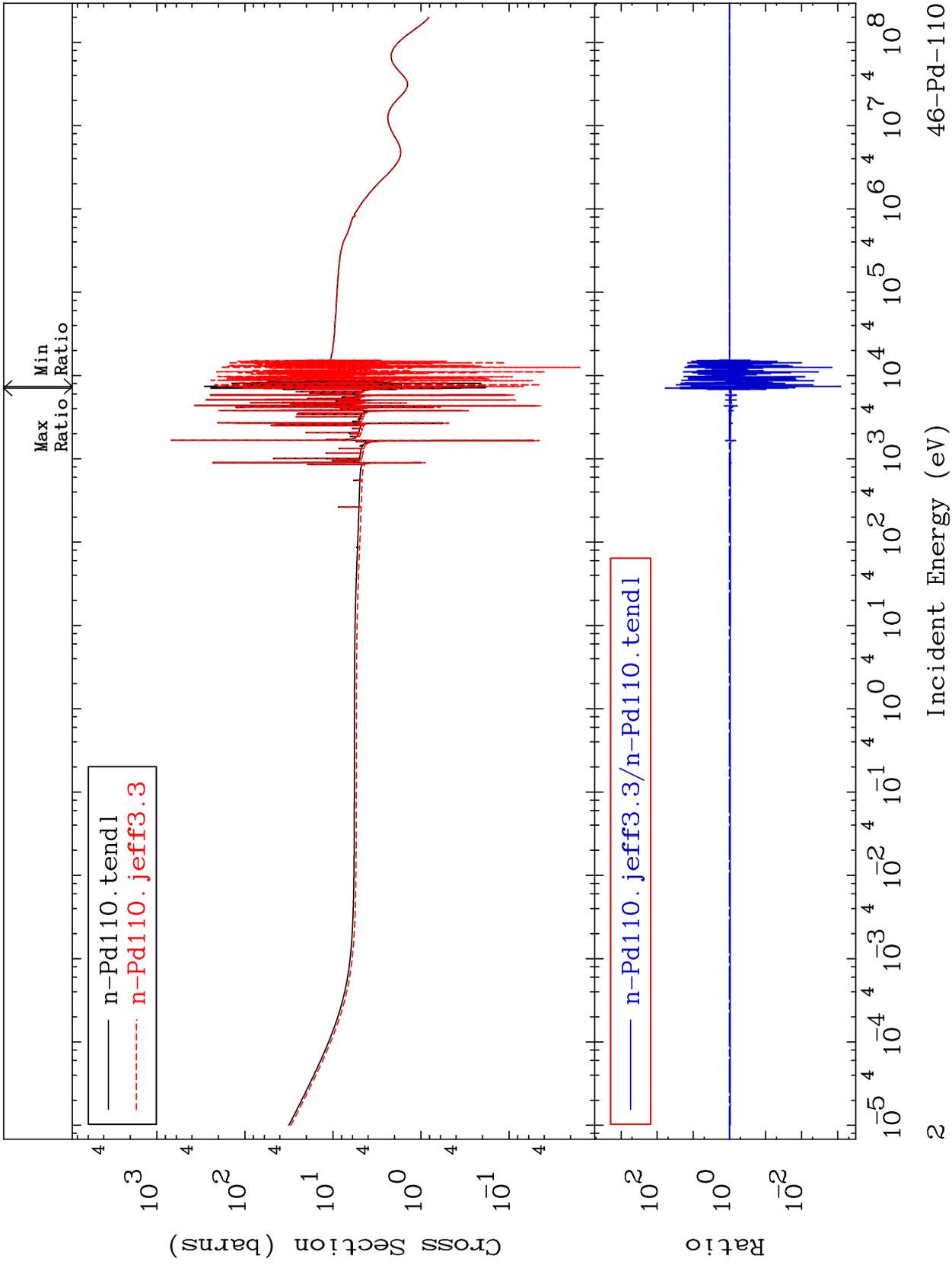


46-Pd-110

MAT 4649

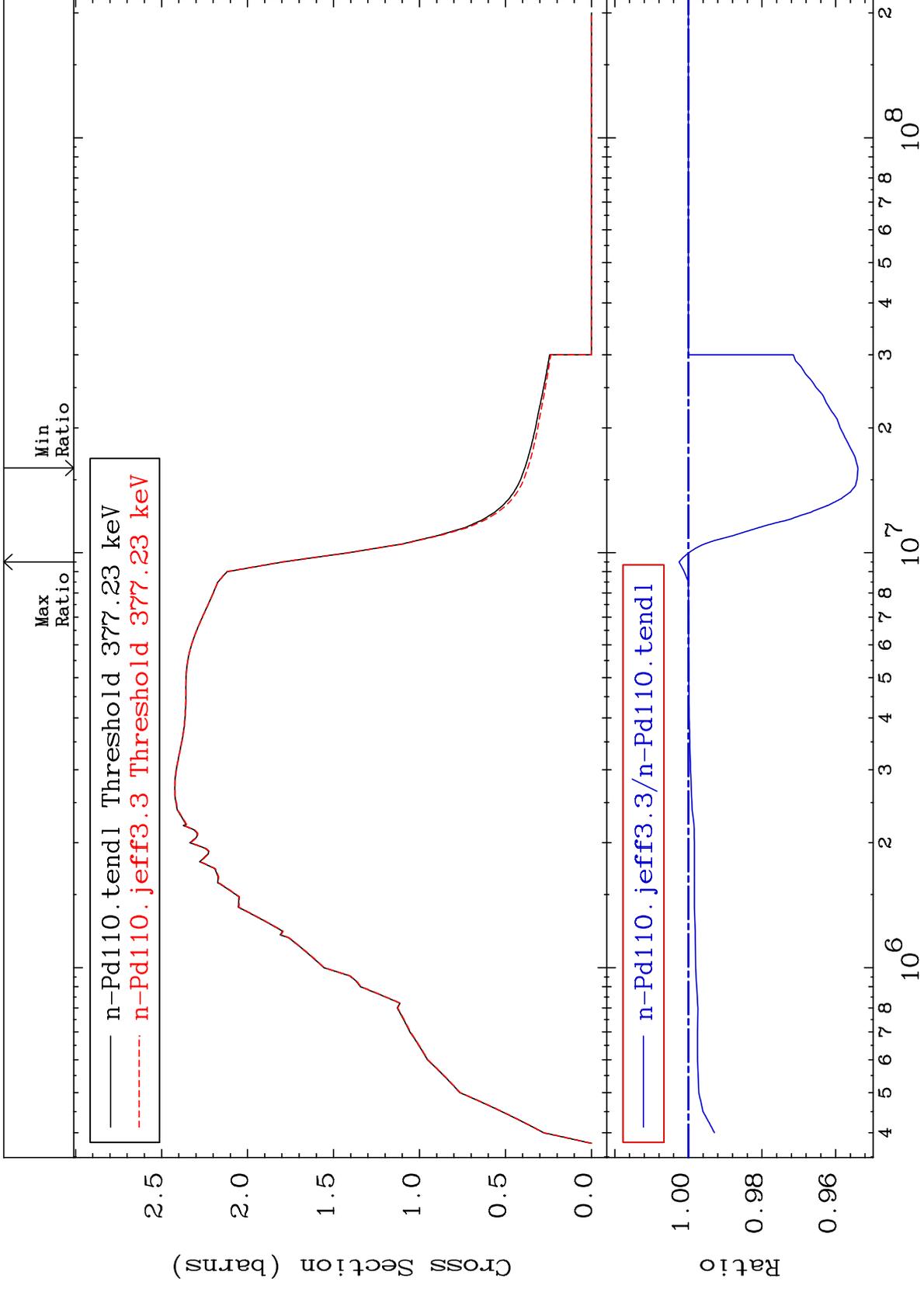
Elastic
Cross Section

46-Pd-110
-99.92 To 5785. %



MAT 4649

Inelastic
Cross Section
46-Pd-110
-4.607 To 0.254 %



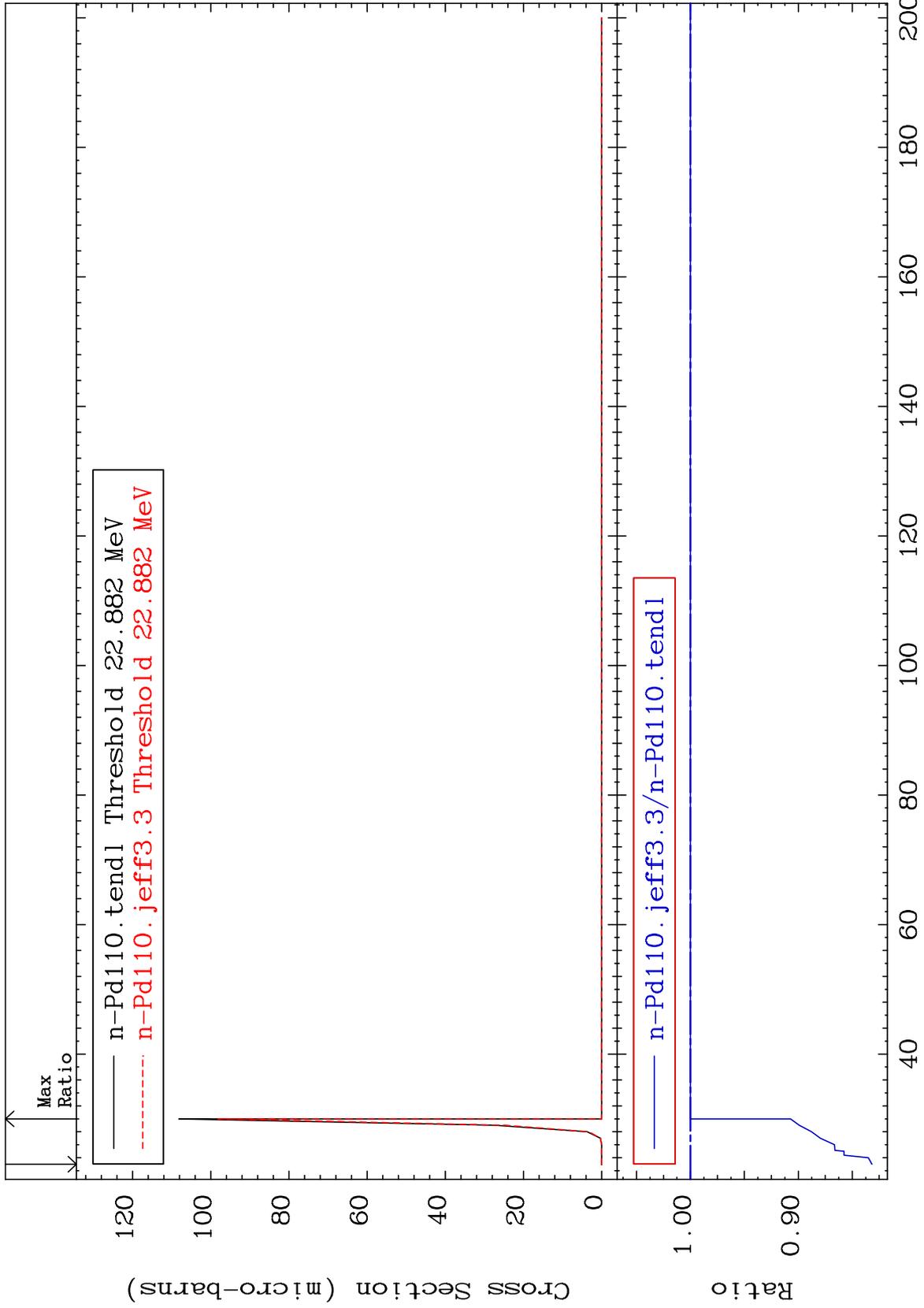
MAT 4649

(n,2n) d

46-Pd-110

Cross Section

-16.83 To 0.000 %



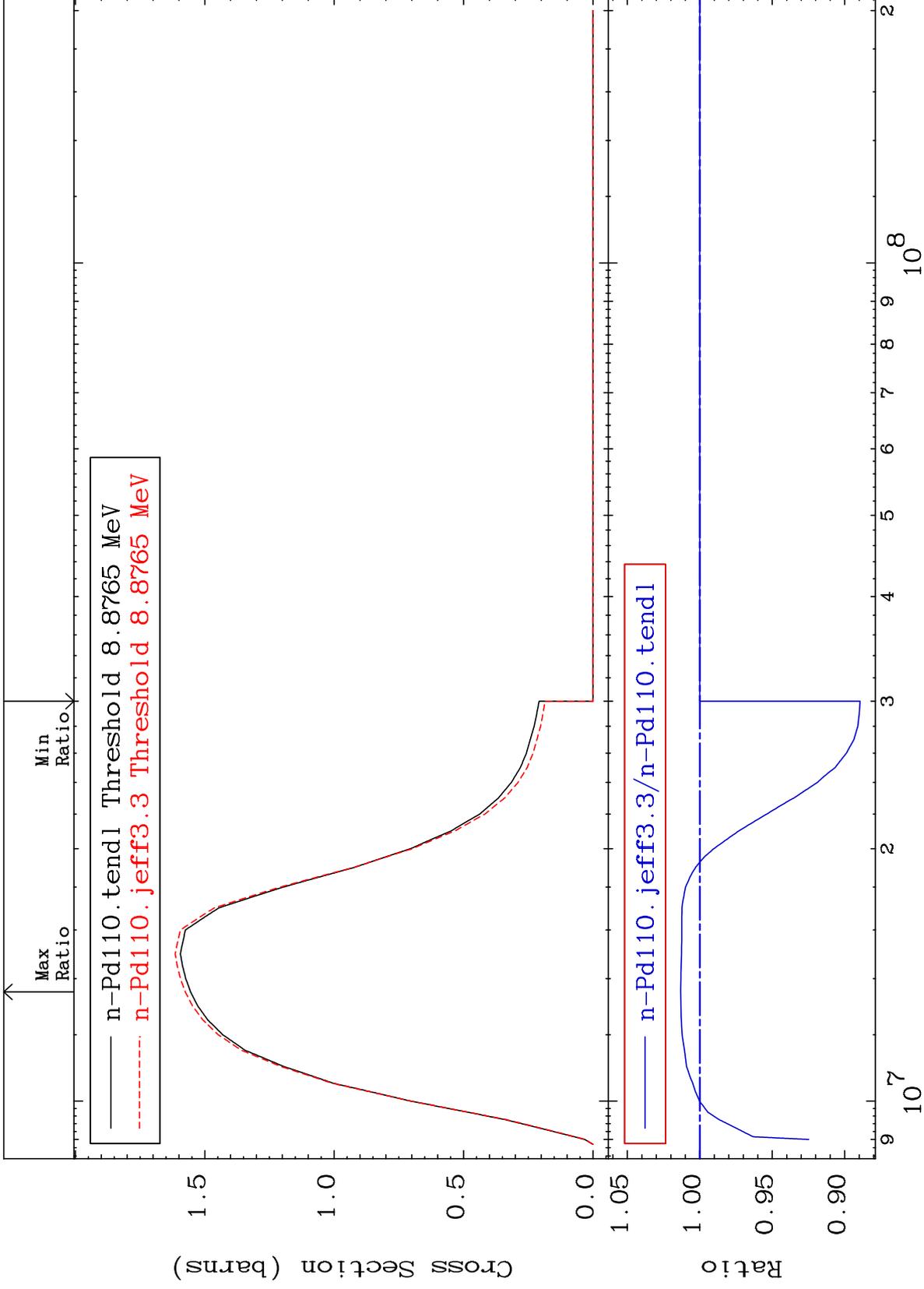
MAT 4649

(n,2n)

46-Pd-110

Cross Section

-11.06 To 1.313 %



46-Pd-110

5

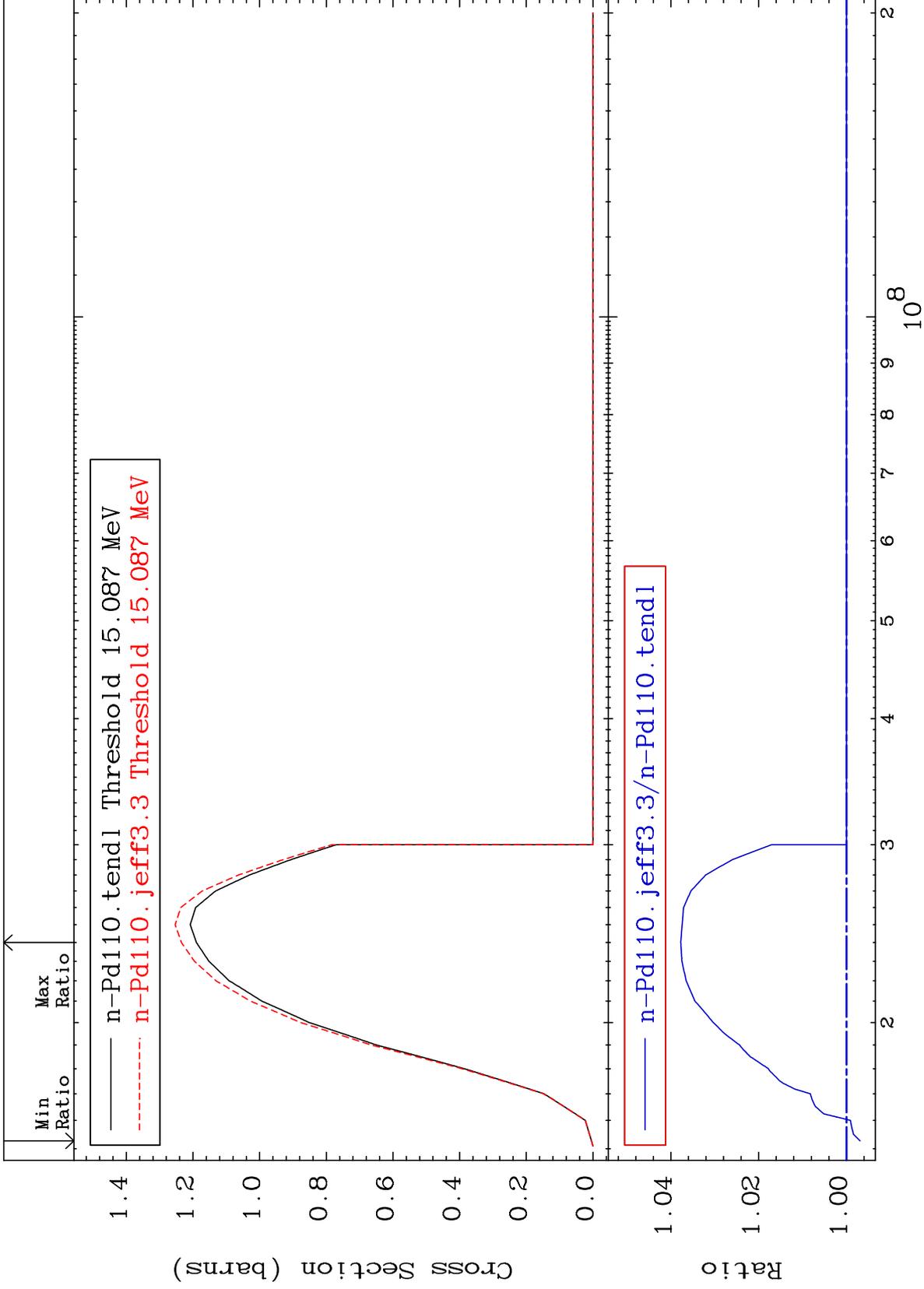
MAT 4649

(n,3n)

46-Pd-110

Cross Section

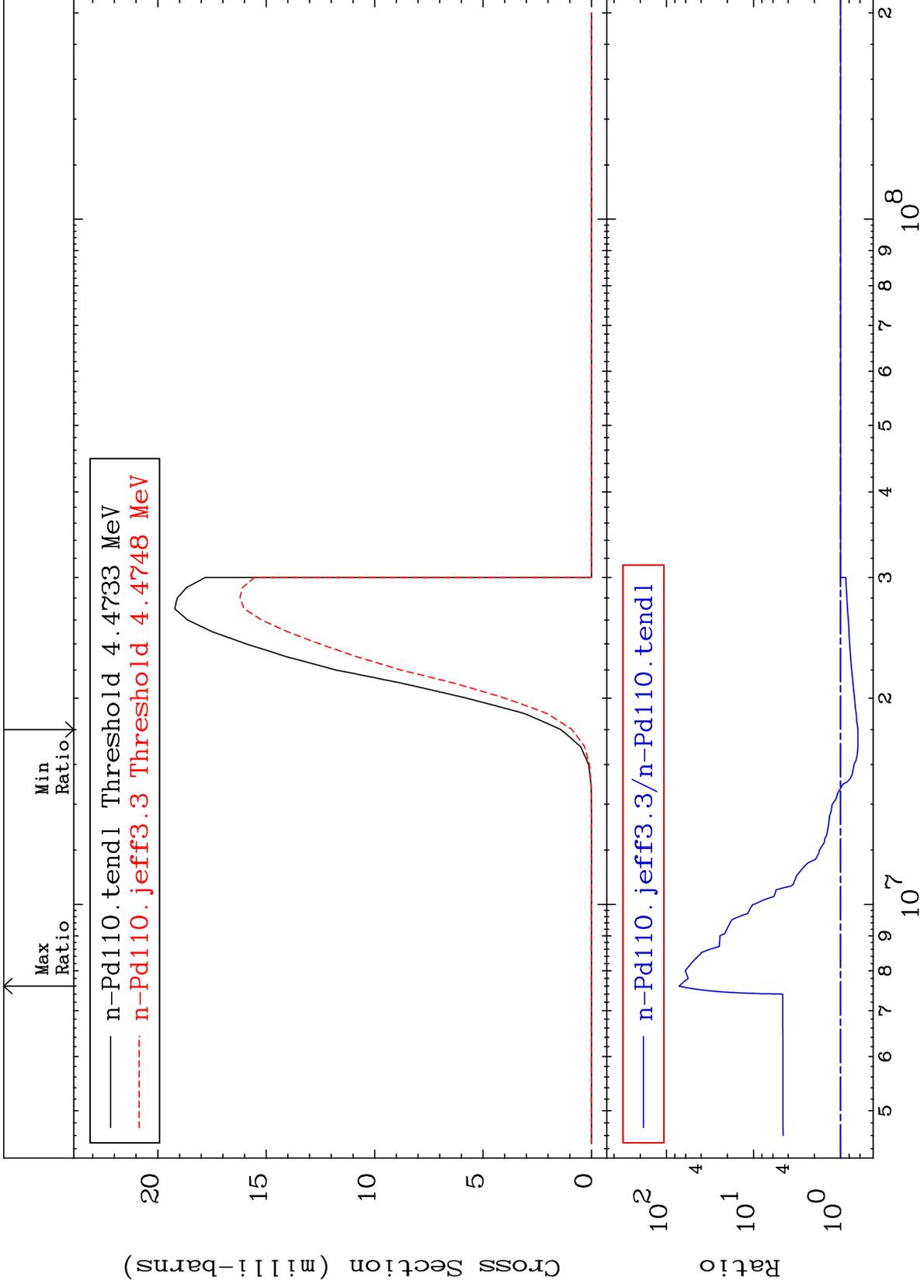
-0.311 To 3.775 %



MAT 4649

(n, n') α
Cross Section

46-Pd-110
-36.64 To 7062. %



7

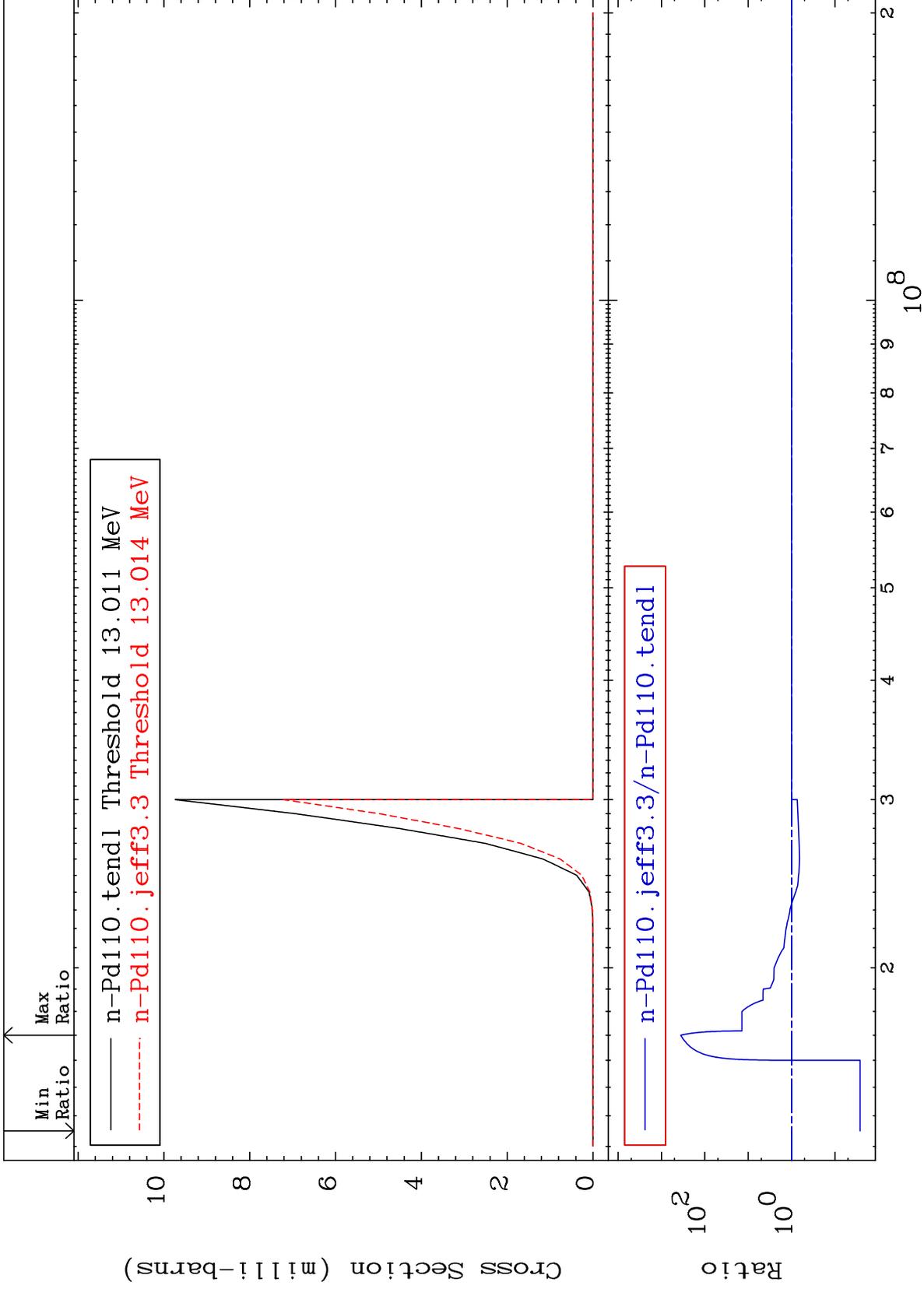
Incident Energy (eV)

46-Pd-110

MAT 4649

(n,2n) α
Cross Section

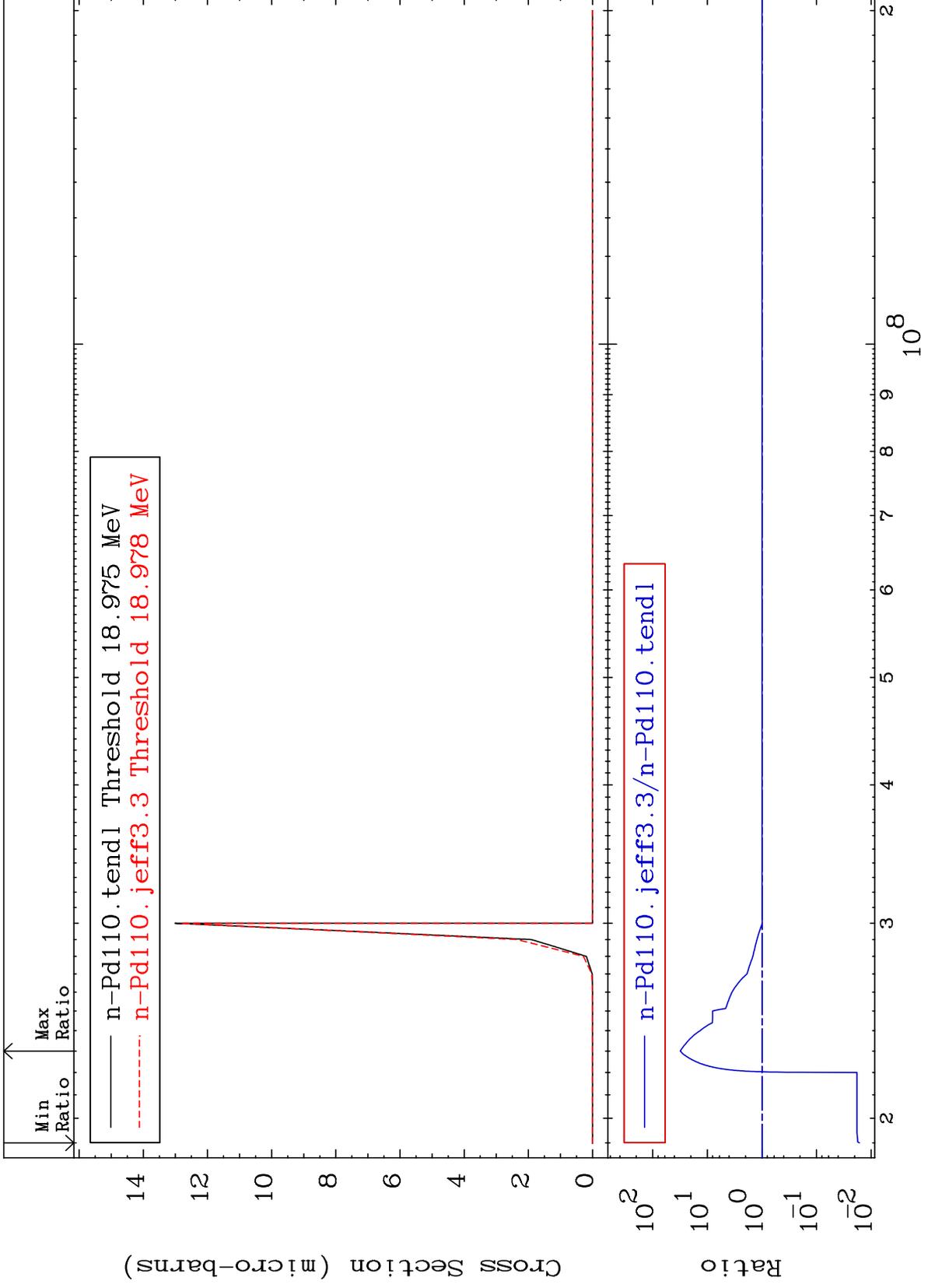
46-Pd-110
-97.37 To 9999. %



MAT 4649

(n,3n) α
Cross Section

46-Pd-110
-98.36 To 3028. %



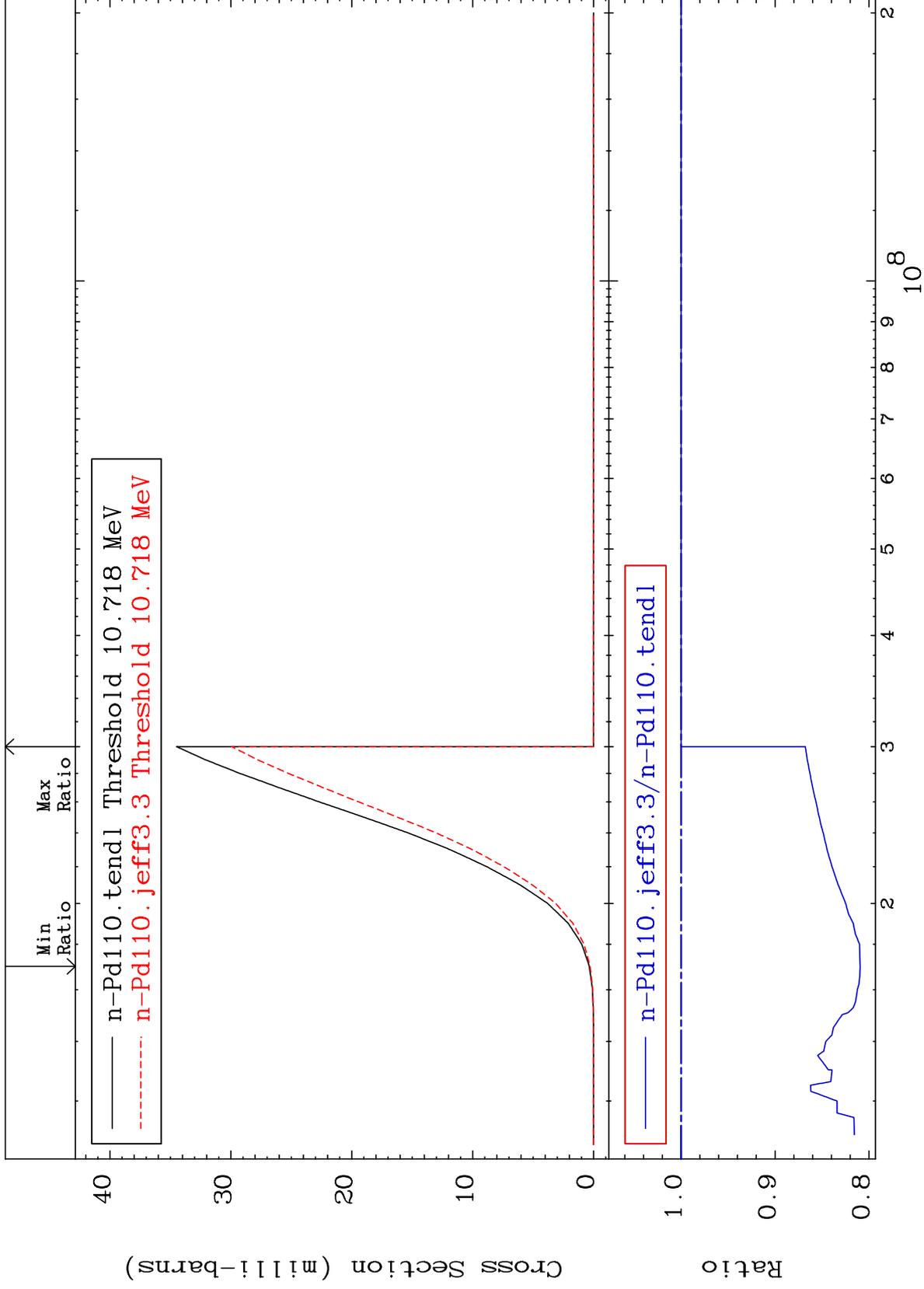
MAT 4649

(n,n') p

46-Pd-110

Cross Section

-19.07 To 0.000 %



10

Incident Energy (eV)

46-Pd-110

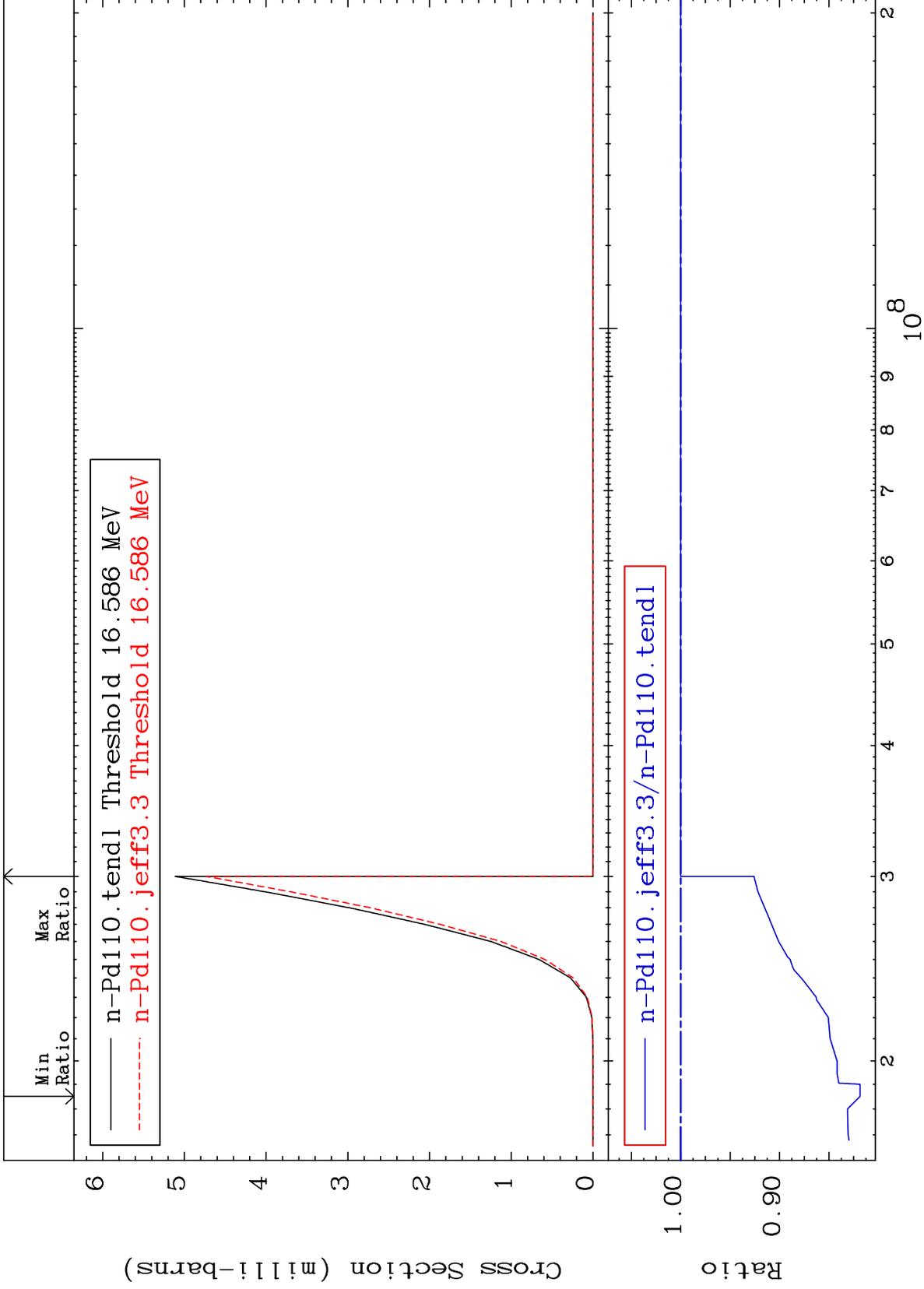
MAT 4649

(n,n') d

46-Pd-110

Cross Section

-18.15 To 0.000 %



11

Incident Energy (eV)

46-Pd-110

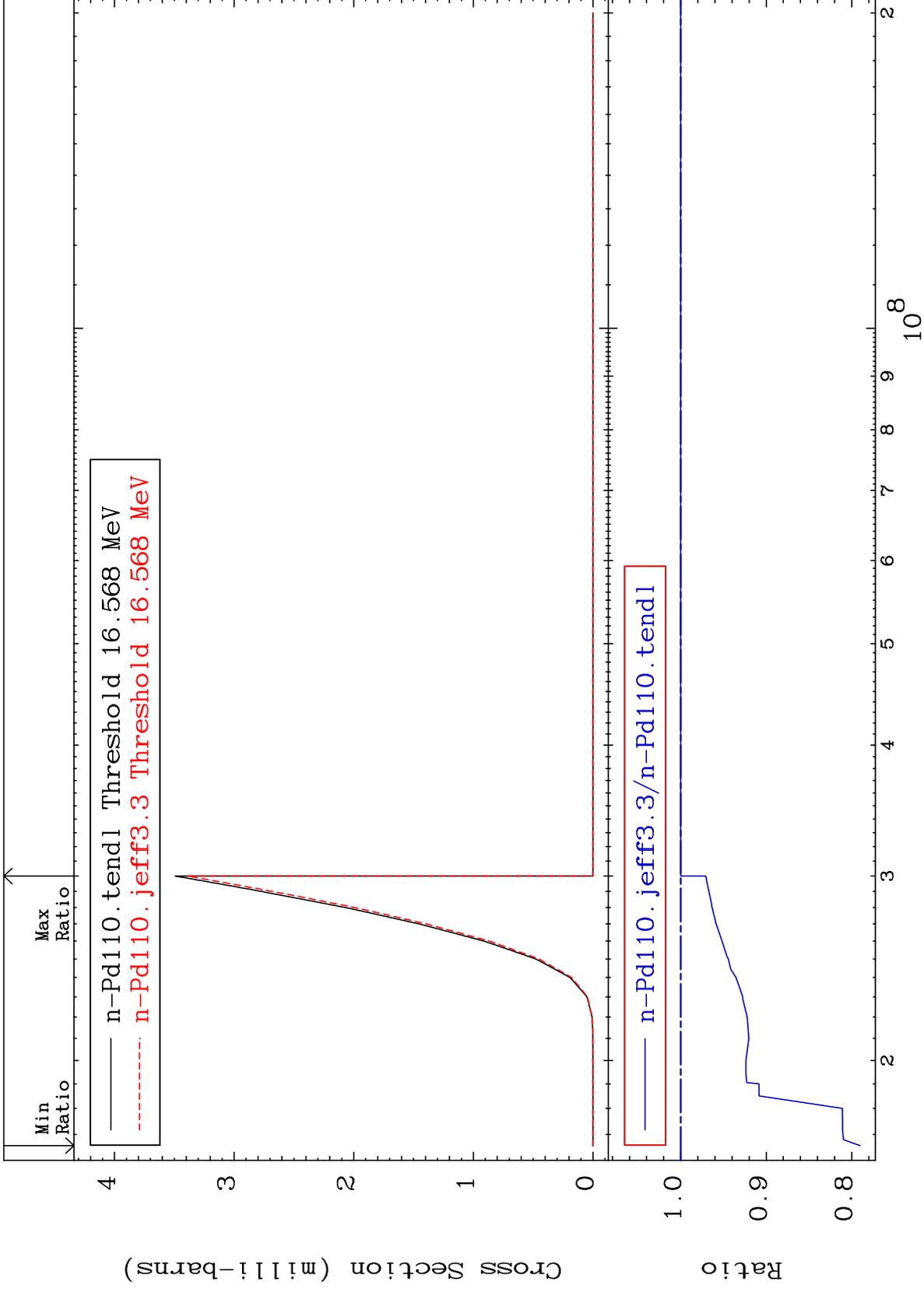
MAT 4649

(n,n') t

46-Pd-110

Cross Section

-20.98 To 0.000 %



12

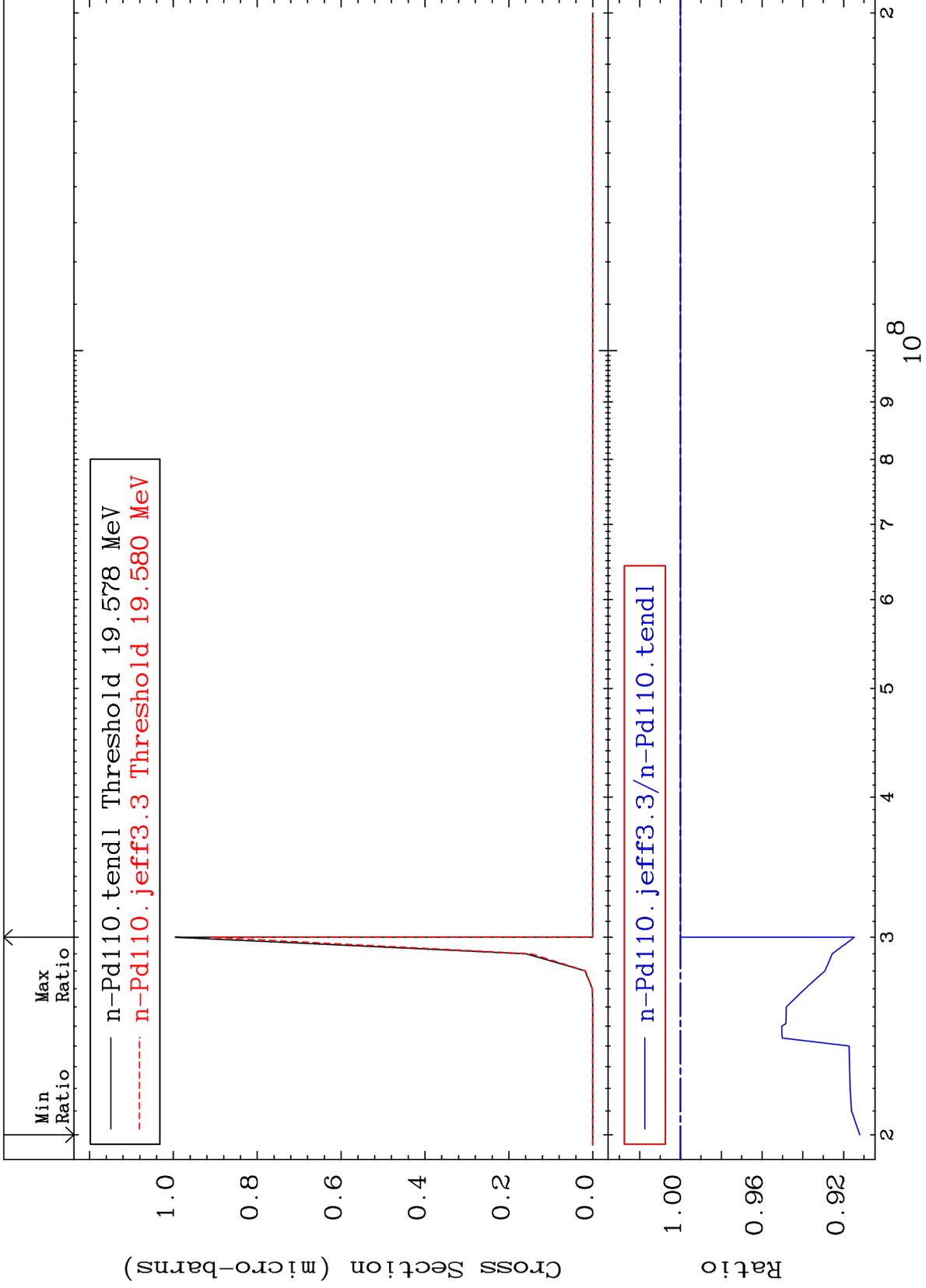
46-Pd-110

46-Pd-110

MAT 4649

(n, n') He-3
Cross Section

46-Pd-110
-8.791 To 0.000 %



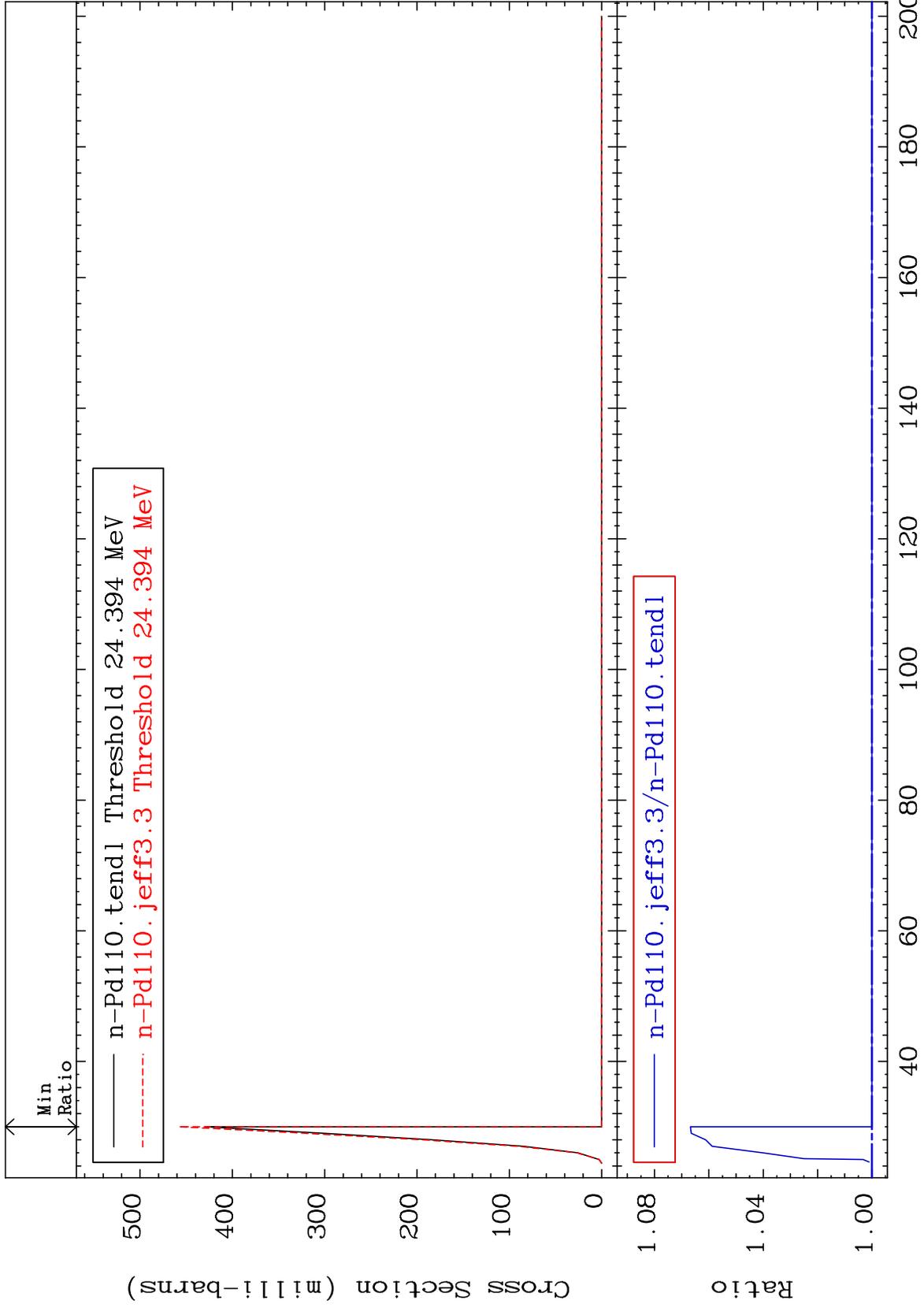
MAT 4649

(n,4n)

46-Pd-110

Cross Section

0.000 To 6.677 %



14

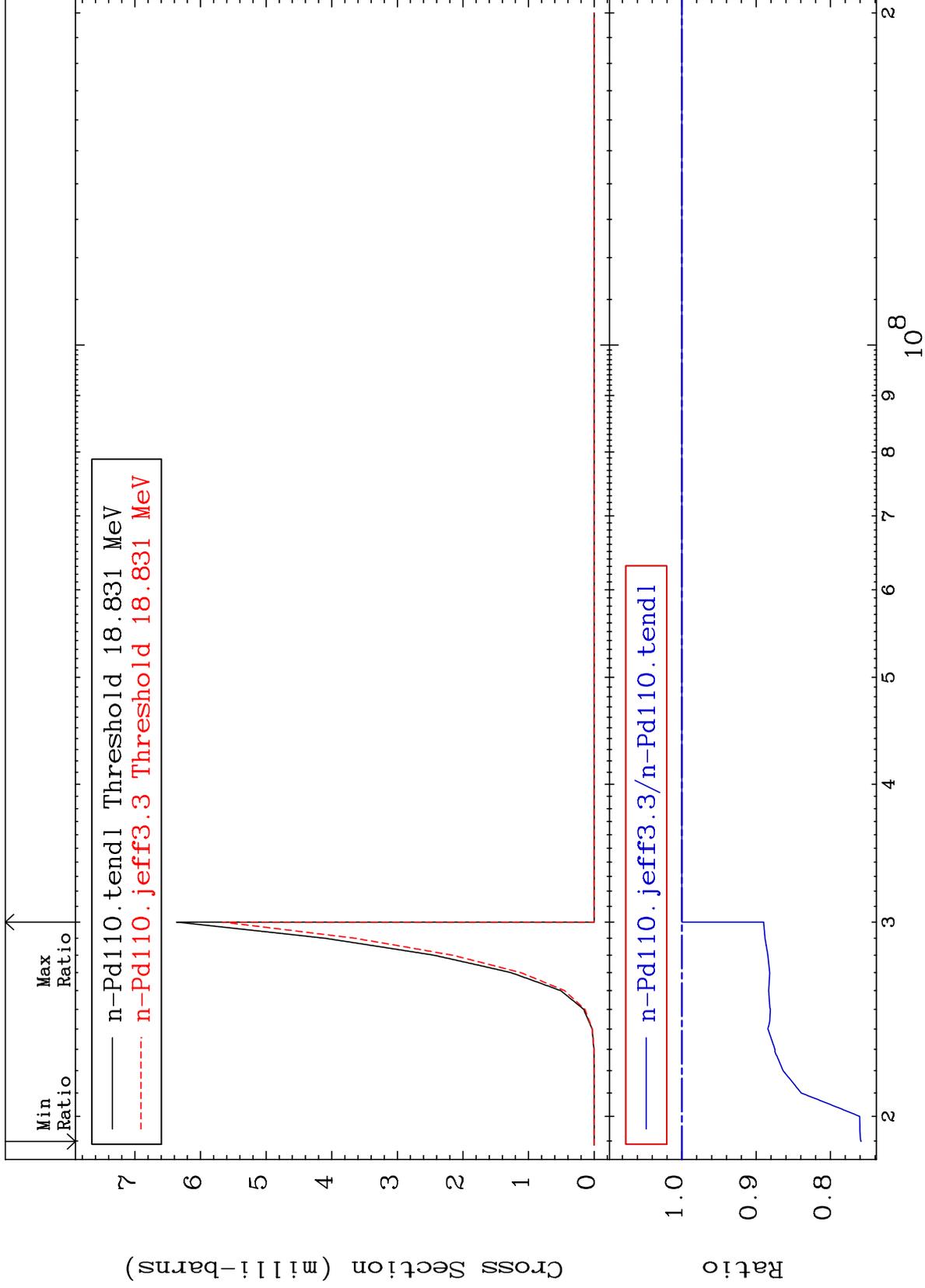
Incident Energy (MeV)

46-Pd-110

MAT 4649

(n,2n) p
Cross Section

46-Pd-110
-24.13 To 0.000 %



15

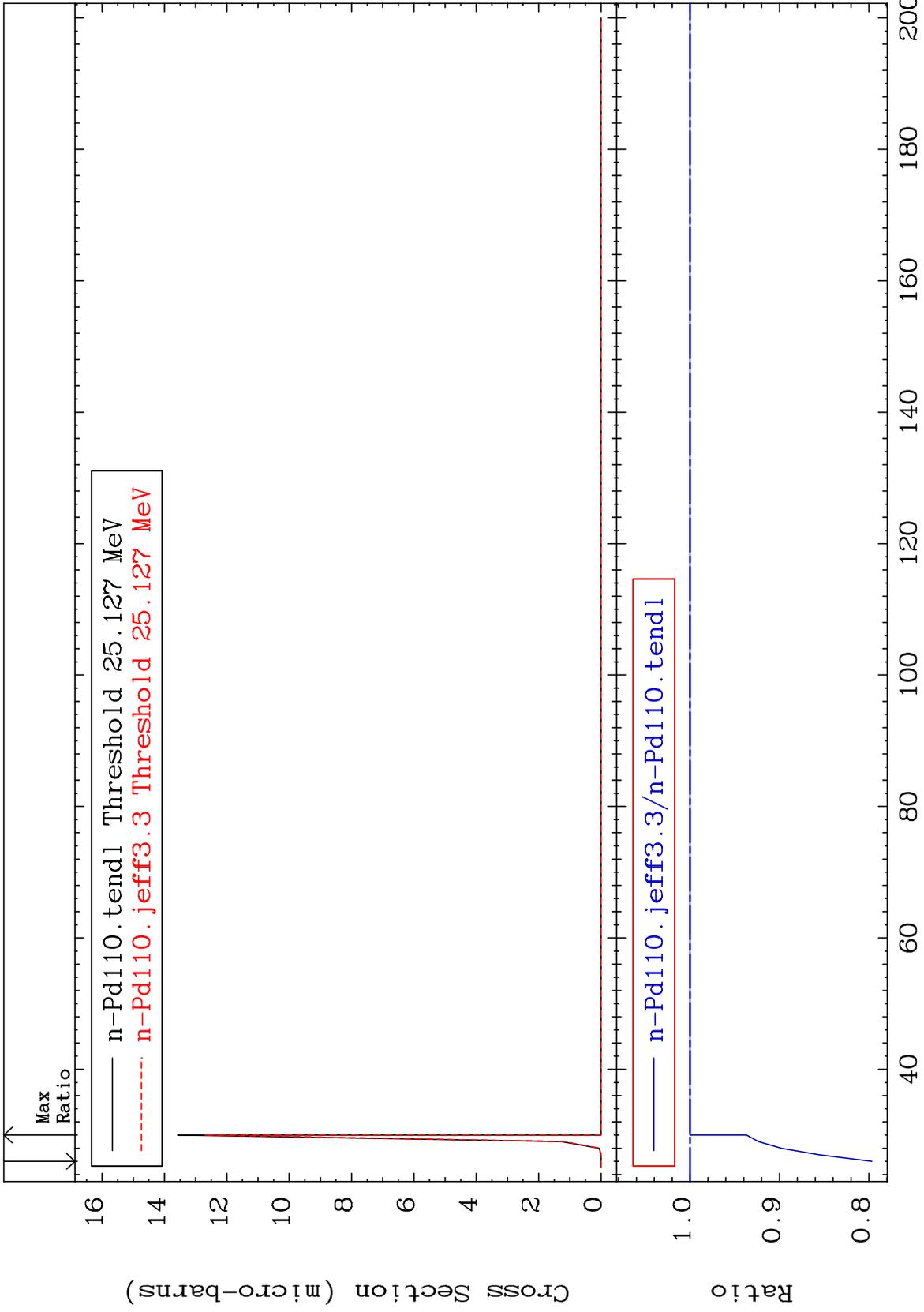
46-Pd-110

46-Pd-110

MAT 4649

(n,3n) p
Cross Section

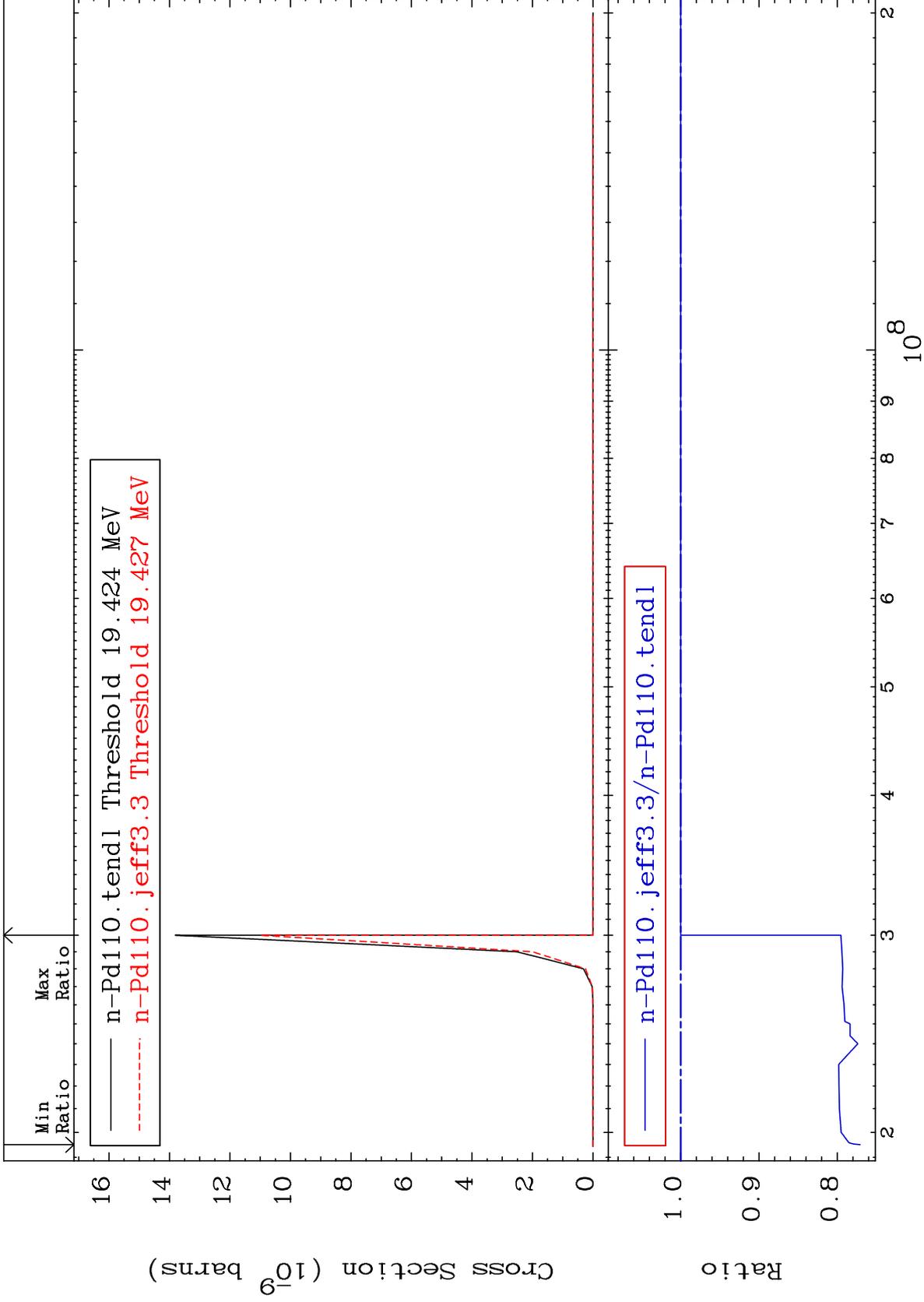
46-Pd-110
-20.33 To 0.000 %



MAT 4649

(n,2n) p
Cross Section

46-Pd-110
-22.90 To 0.000 %



17

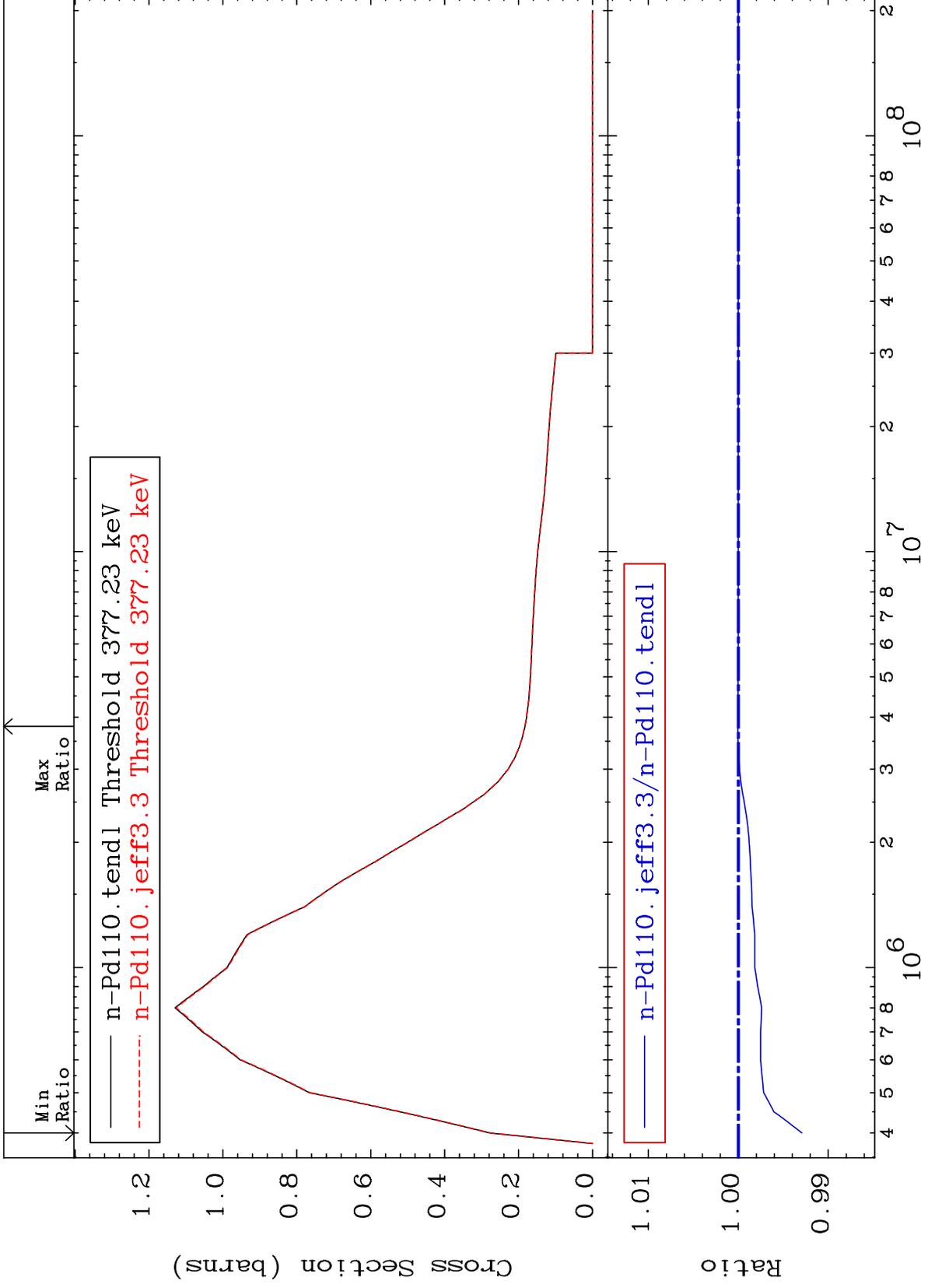
46-Pd-110

46-Pd-110

MAT 4649

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

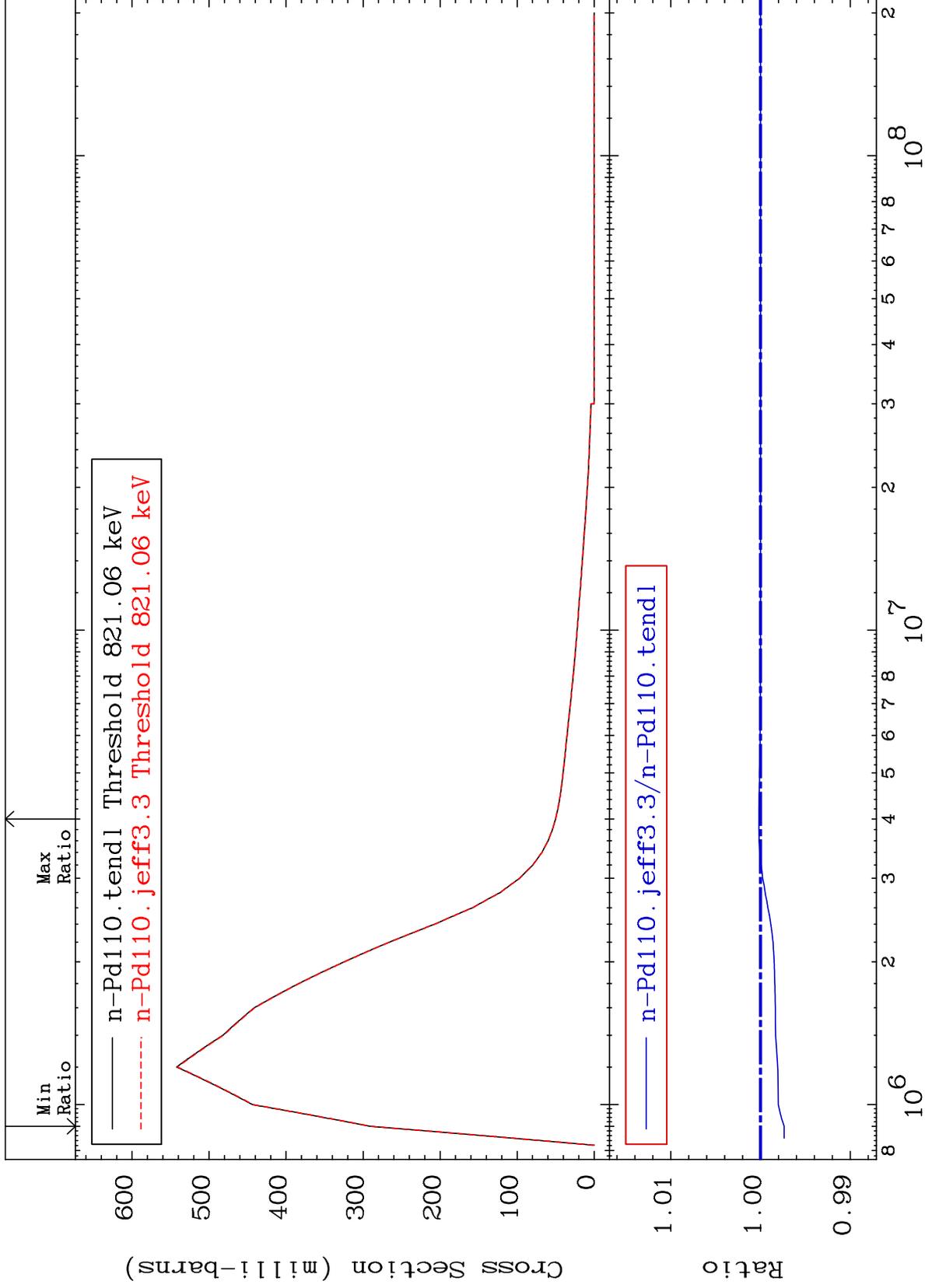
46-Pd-110
-0.707 To 0.005 %



MAT 4649

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

46-Pd-110
-0.265 To 0.018 %



19

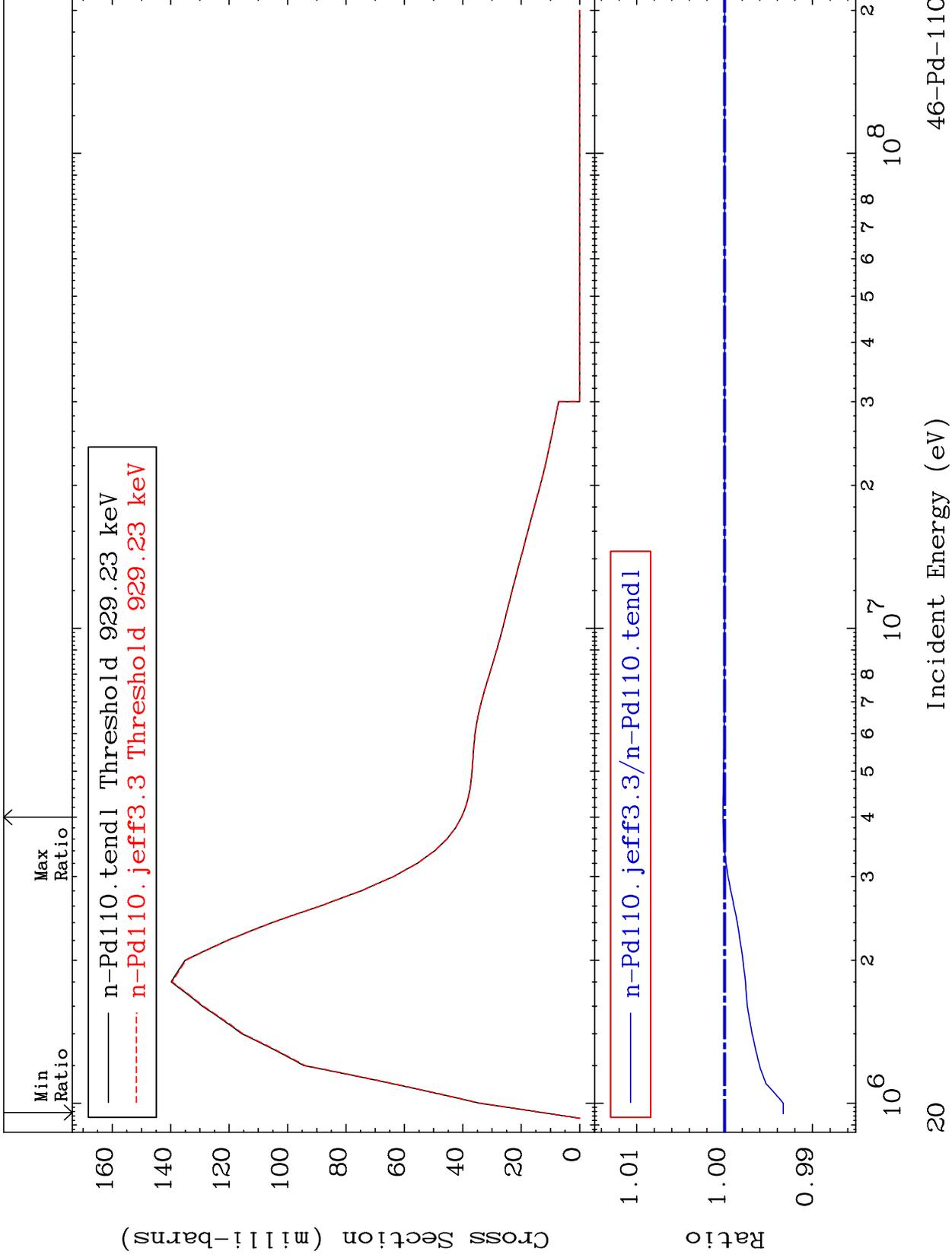
Incident Energy (eV)

46-Pd-110

MAT 4649

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

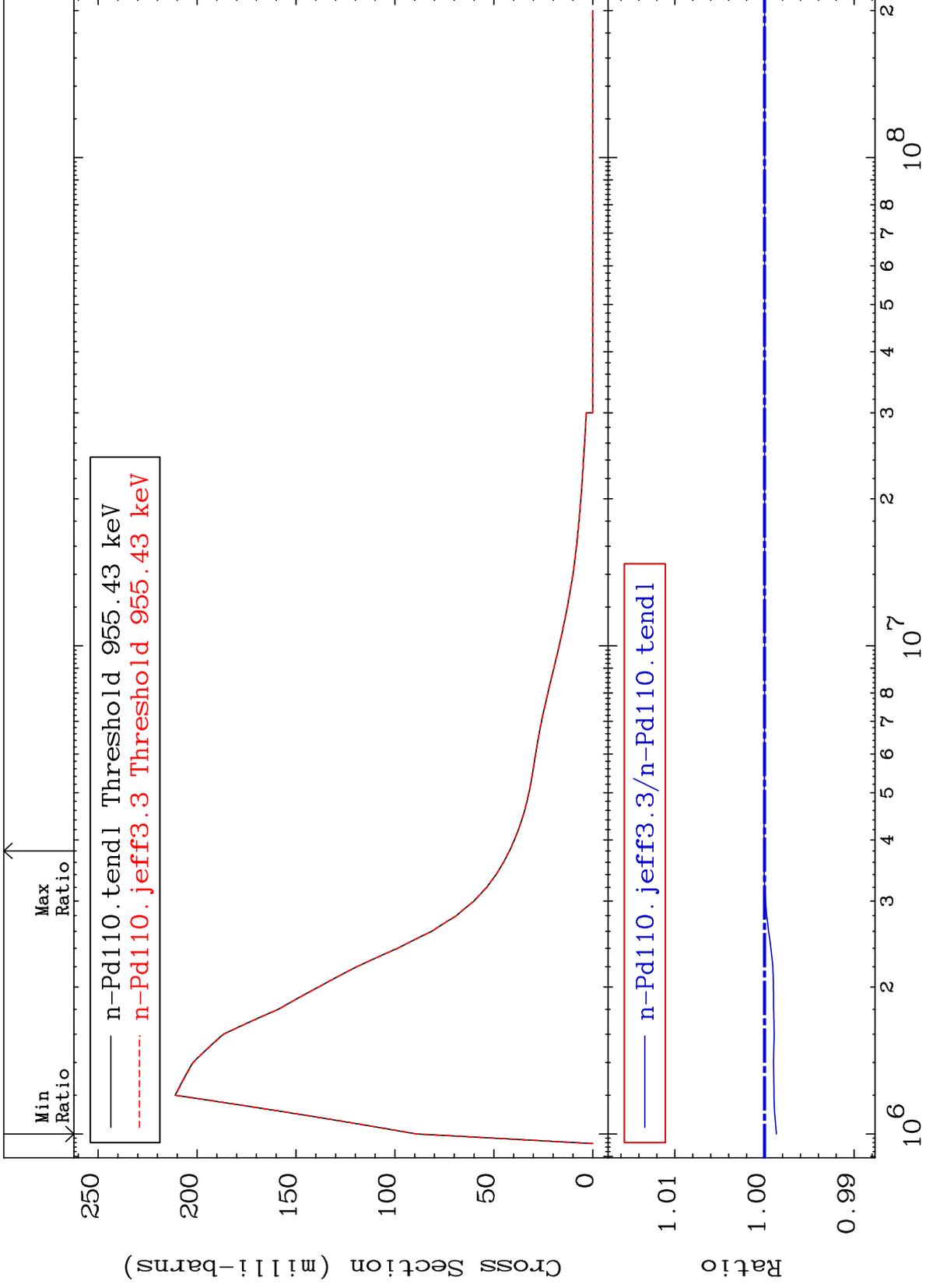
46-Pd-110
-0.668 To 0.018 %



MAT 4649

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

46-Pd-110
-0.132 To 0.007 %



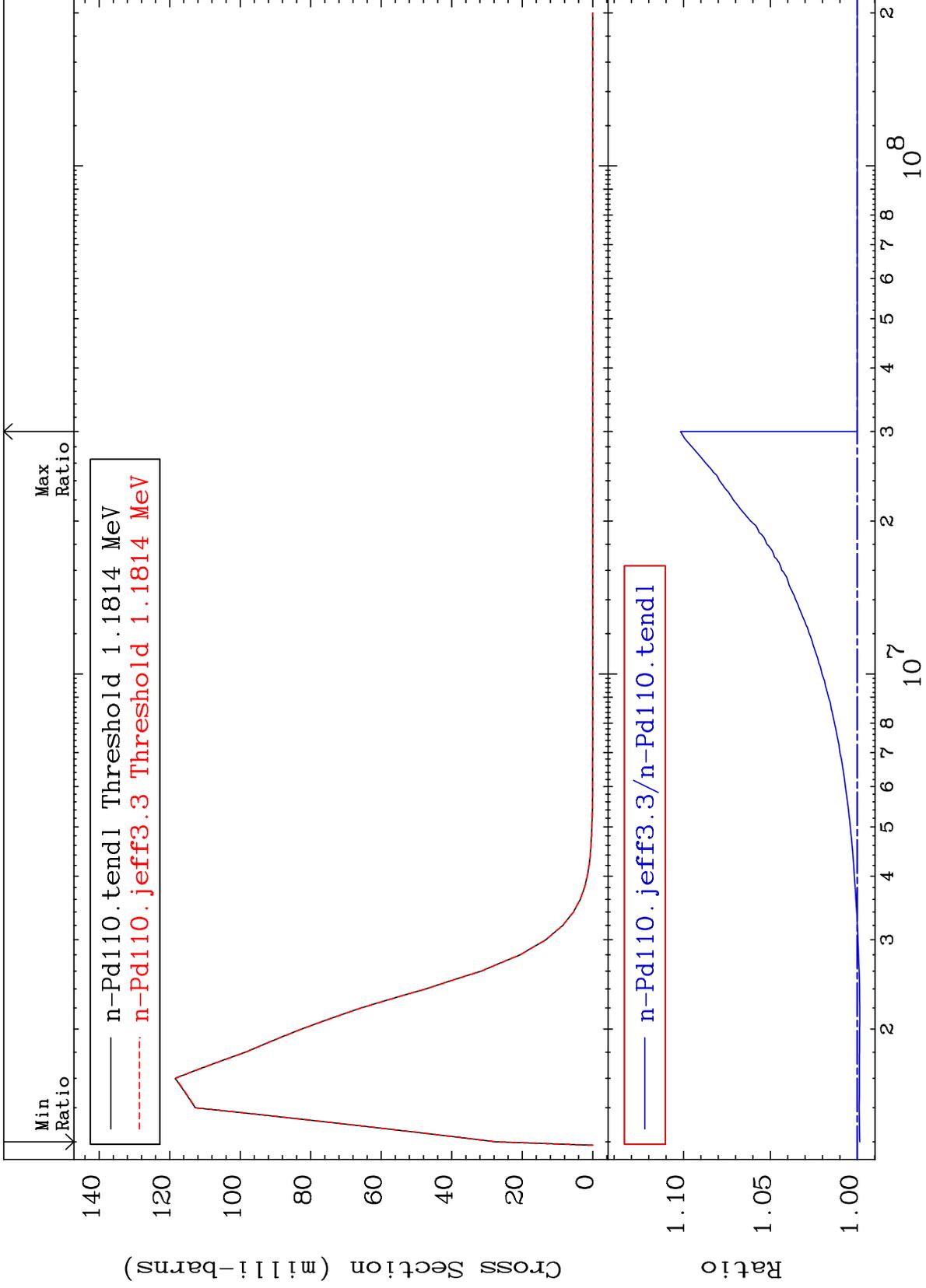
21

46-Pd-110

MAT 4649

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

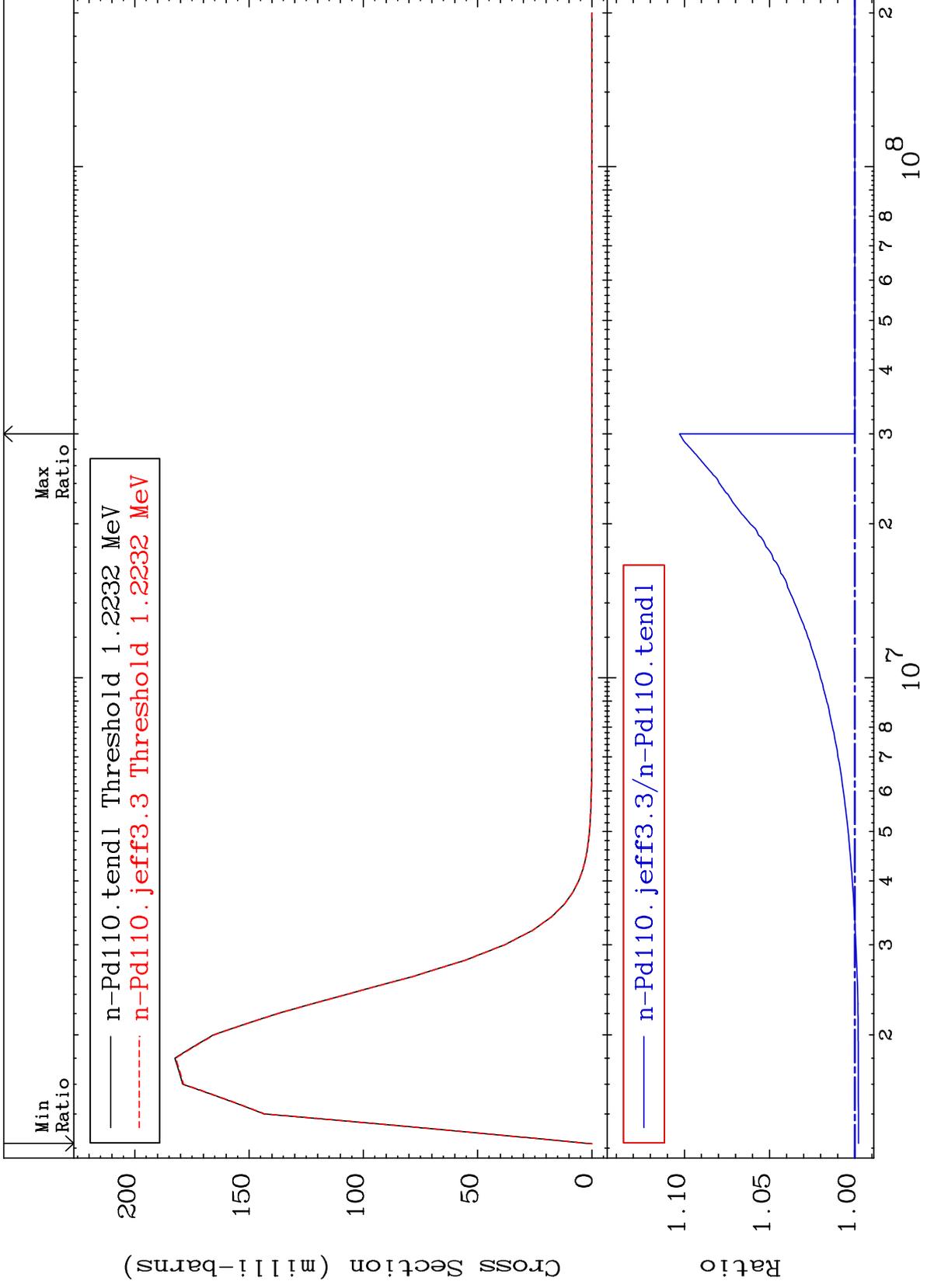
46-Pd-110
-0.147 To 10.17 %



MAT 4649

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

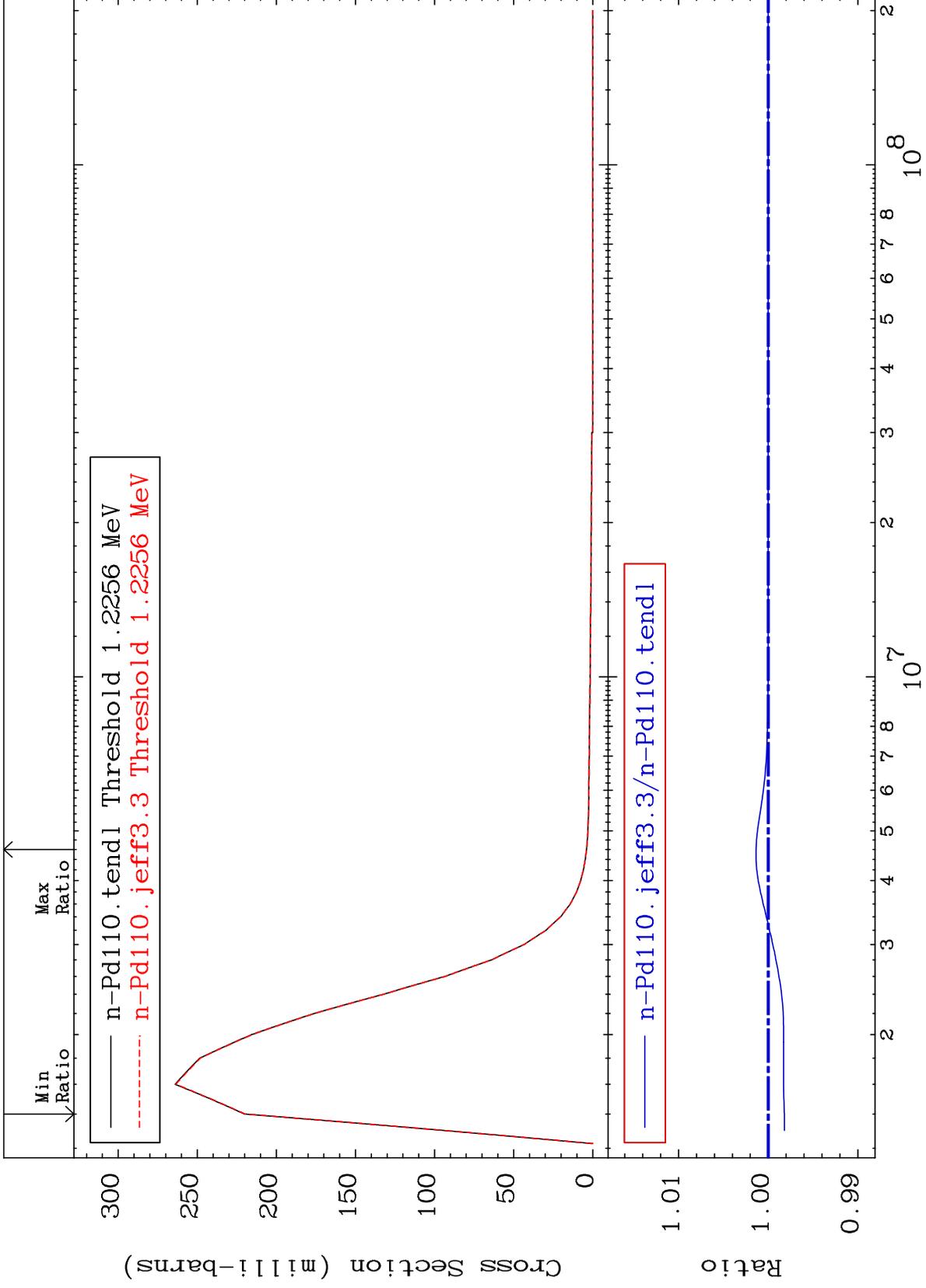
46-Pd-110
-0.222 To 10.29 %



MAT 4649

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

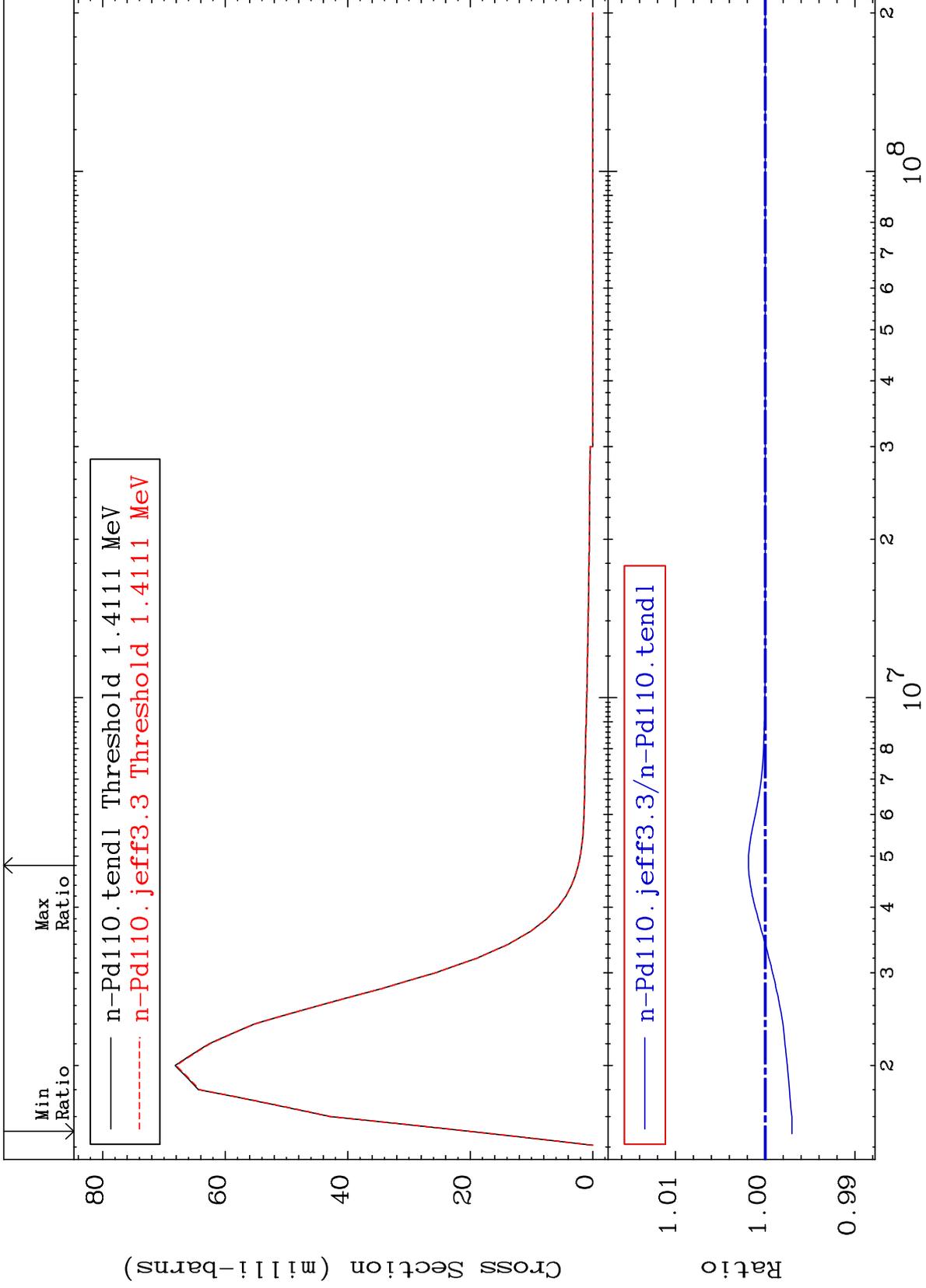
46-Pd-110
-0.180 To 0.137 %



MAT 4649

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

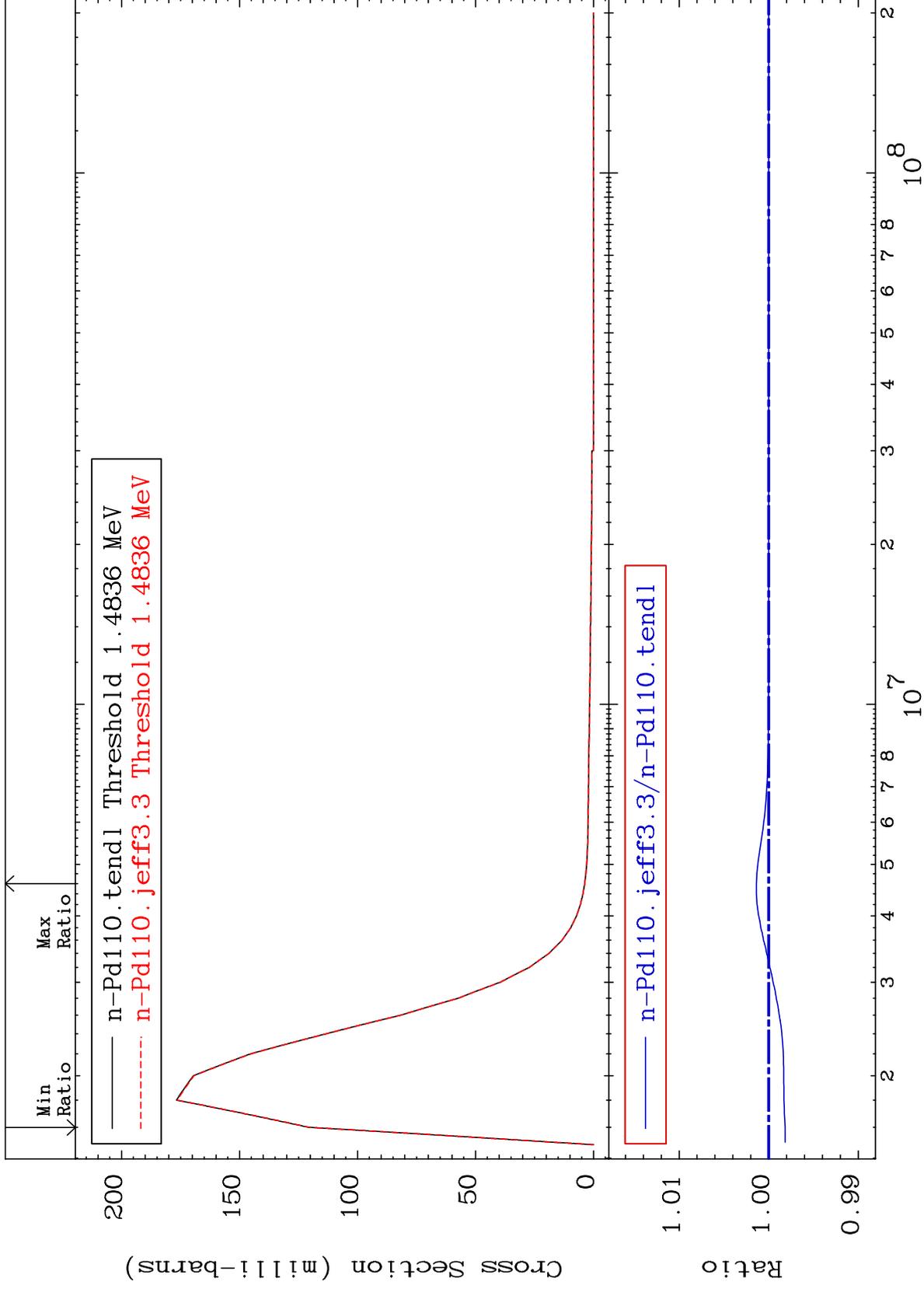
46-Pd-110
-0.297 To 0.187 %



MAT 4649

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

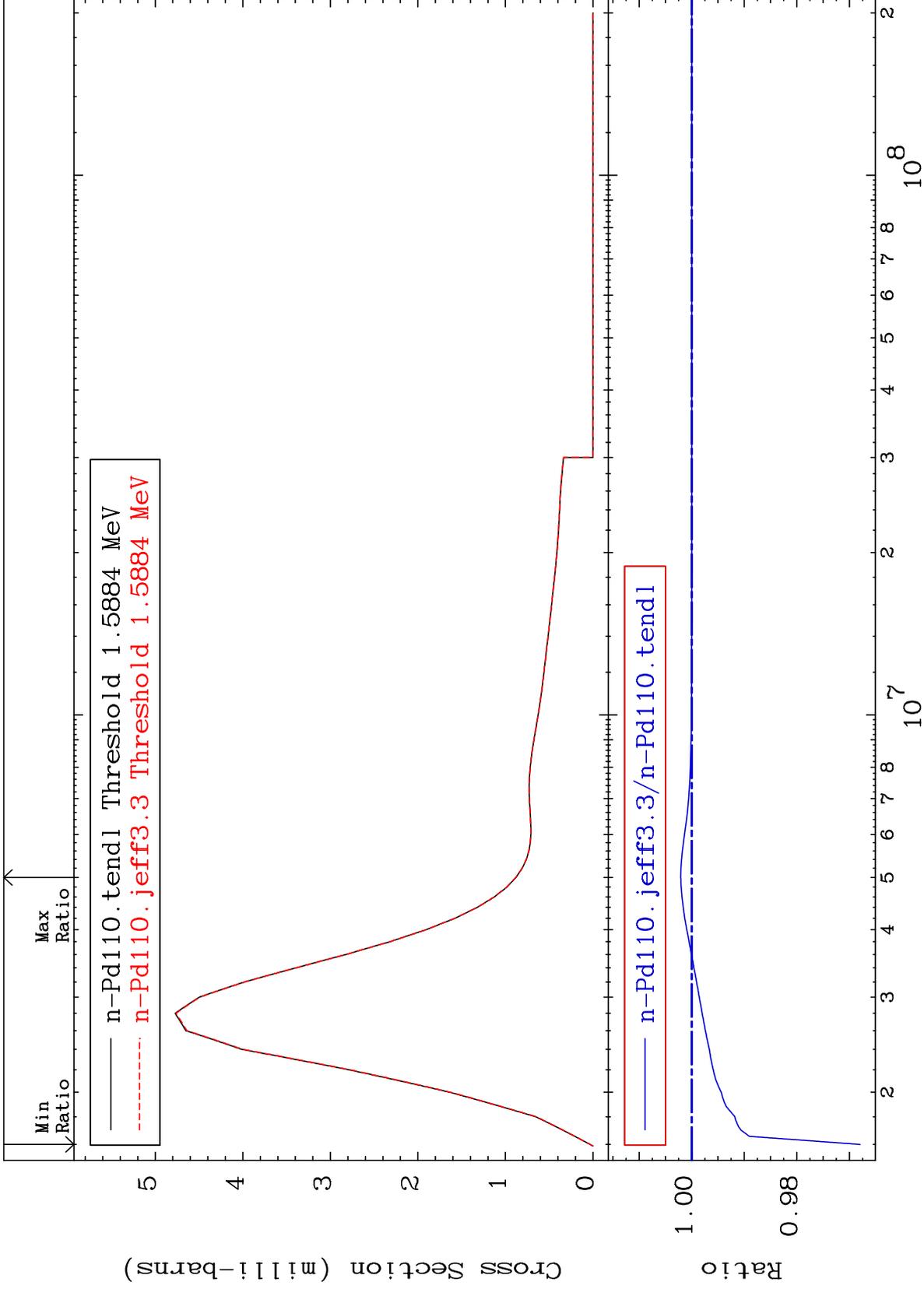
46-Pd-110
-0.183 To 0.138 %



MAT 4649

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

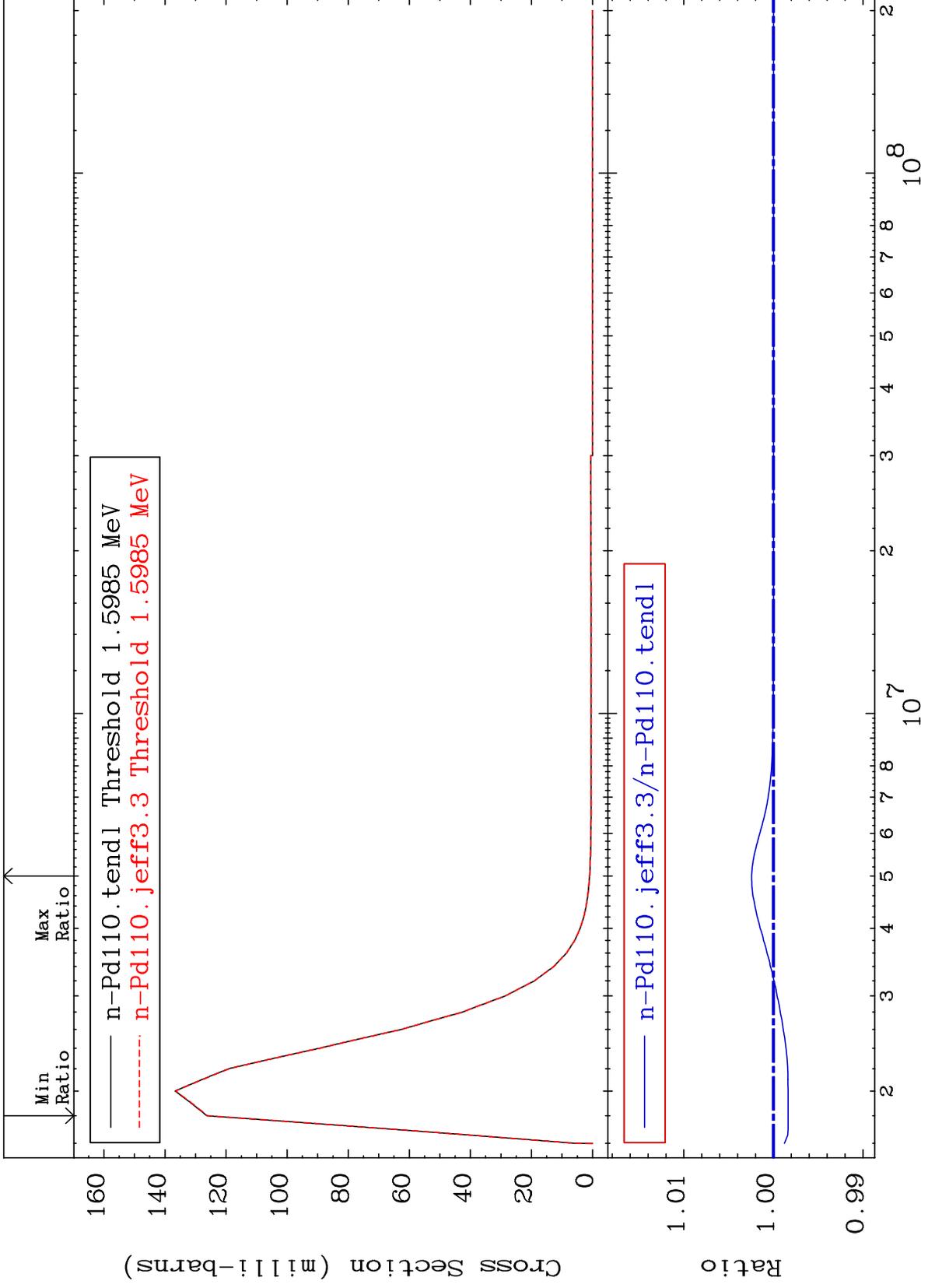
46-Pd-110
-3.202 To 0.208 %



MAT 4649

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

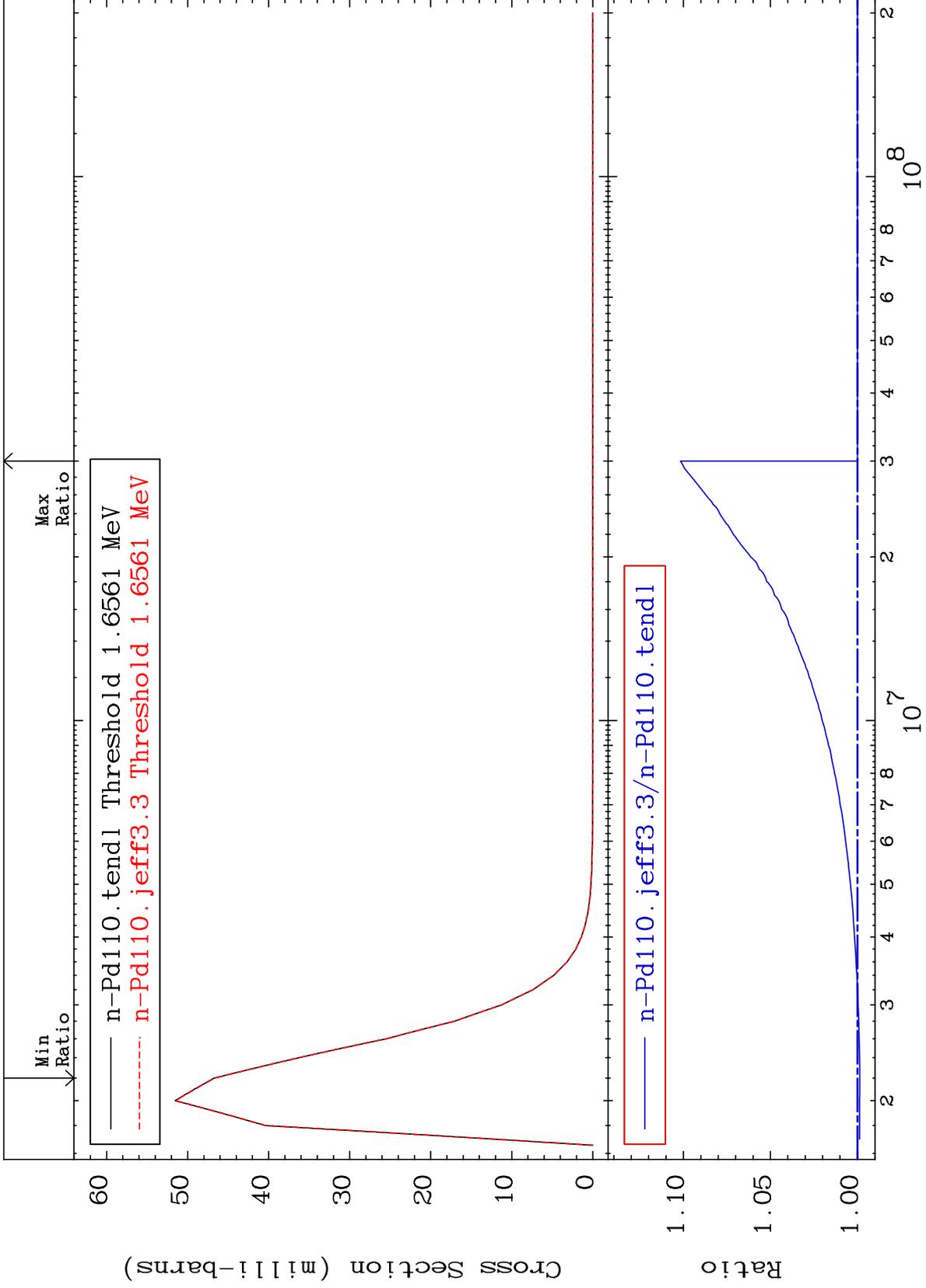
46-Pd-110
-0.165 To 0.244 %



MAT 4649

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

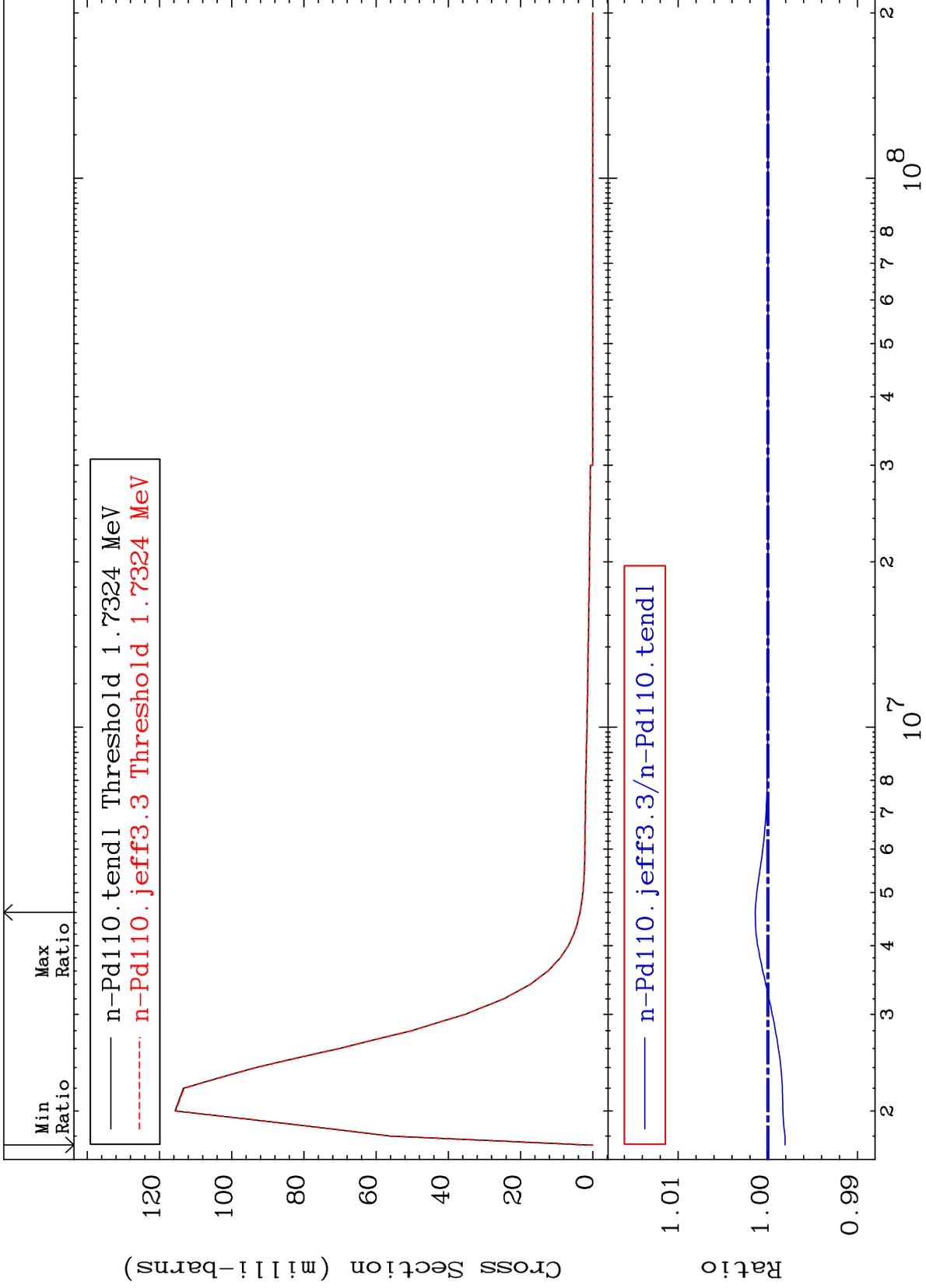
46-Pd-110
-0.134 To 10.17 %



MAT 4649

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

46-Pd-110
-0.192 To 0.140 %



30

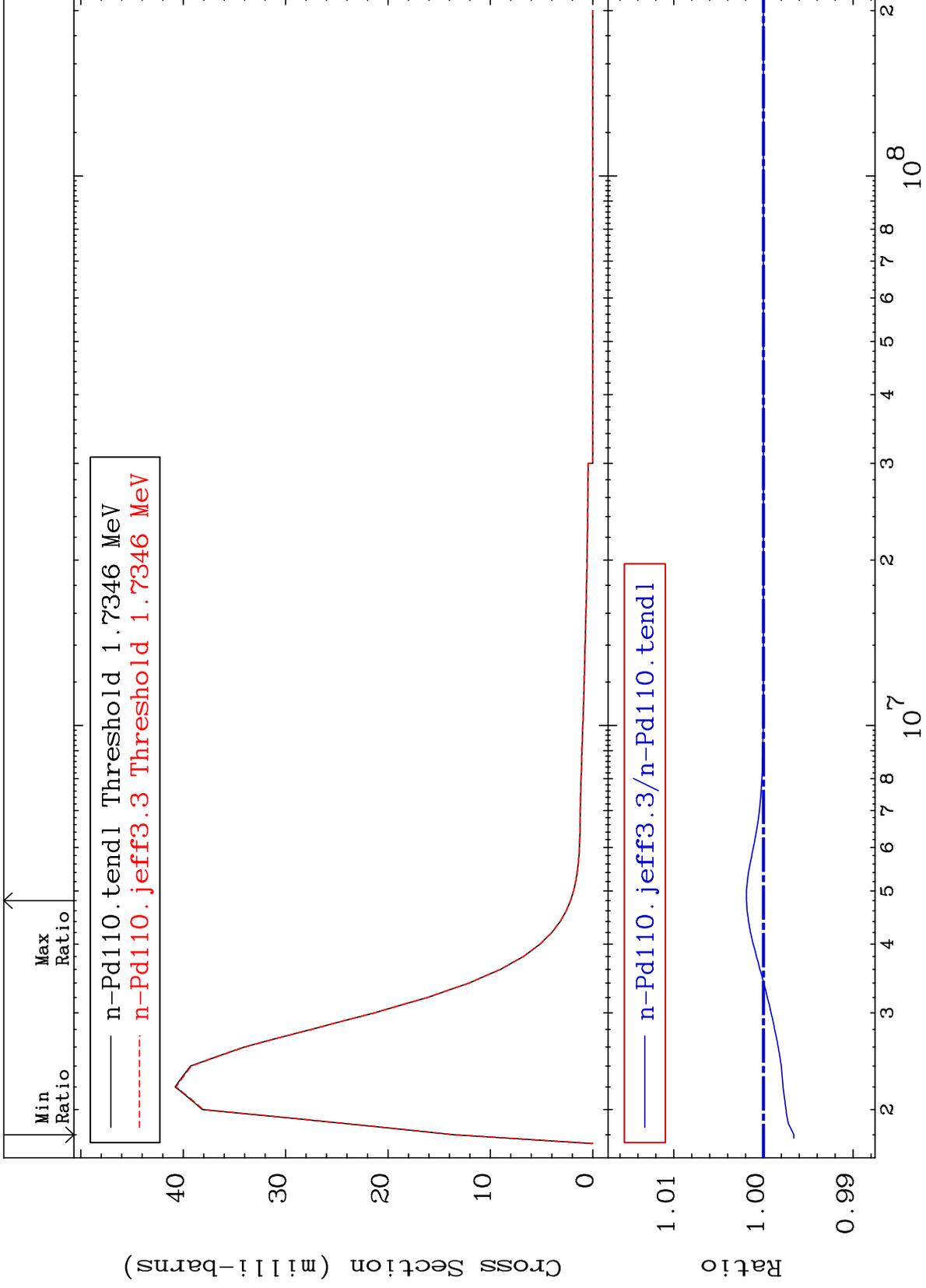
Incident Energy (eV)

46-Pd-110

MAT 4649

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

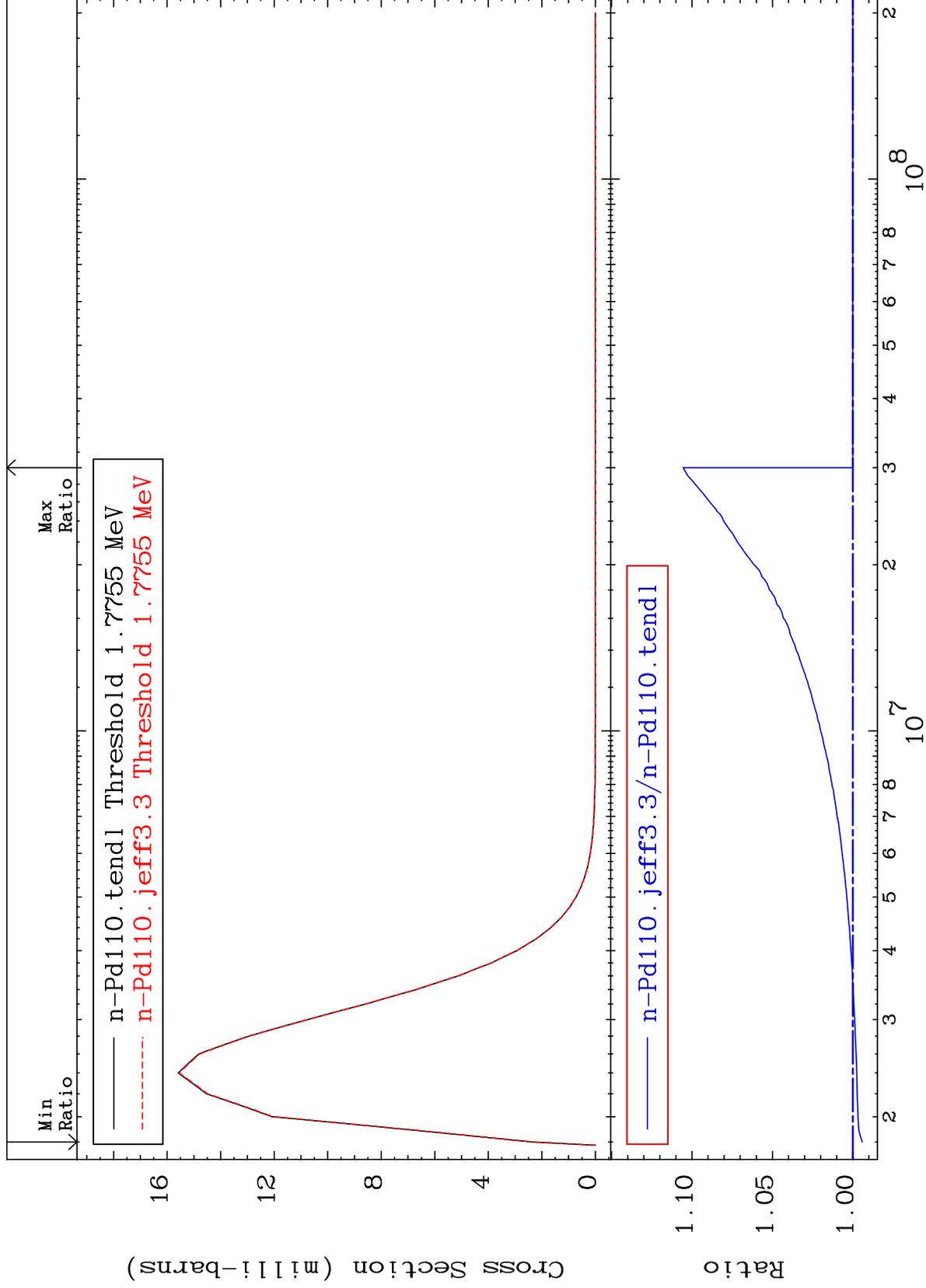
46-Pd-110
-0.339 To 0.190 %



MAT 4649

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

46-Pd-110
-0.579 To 10.56 %



32

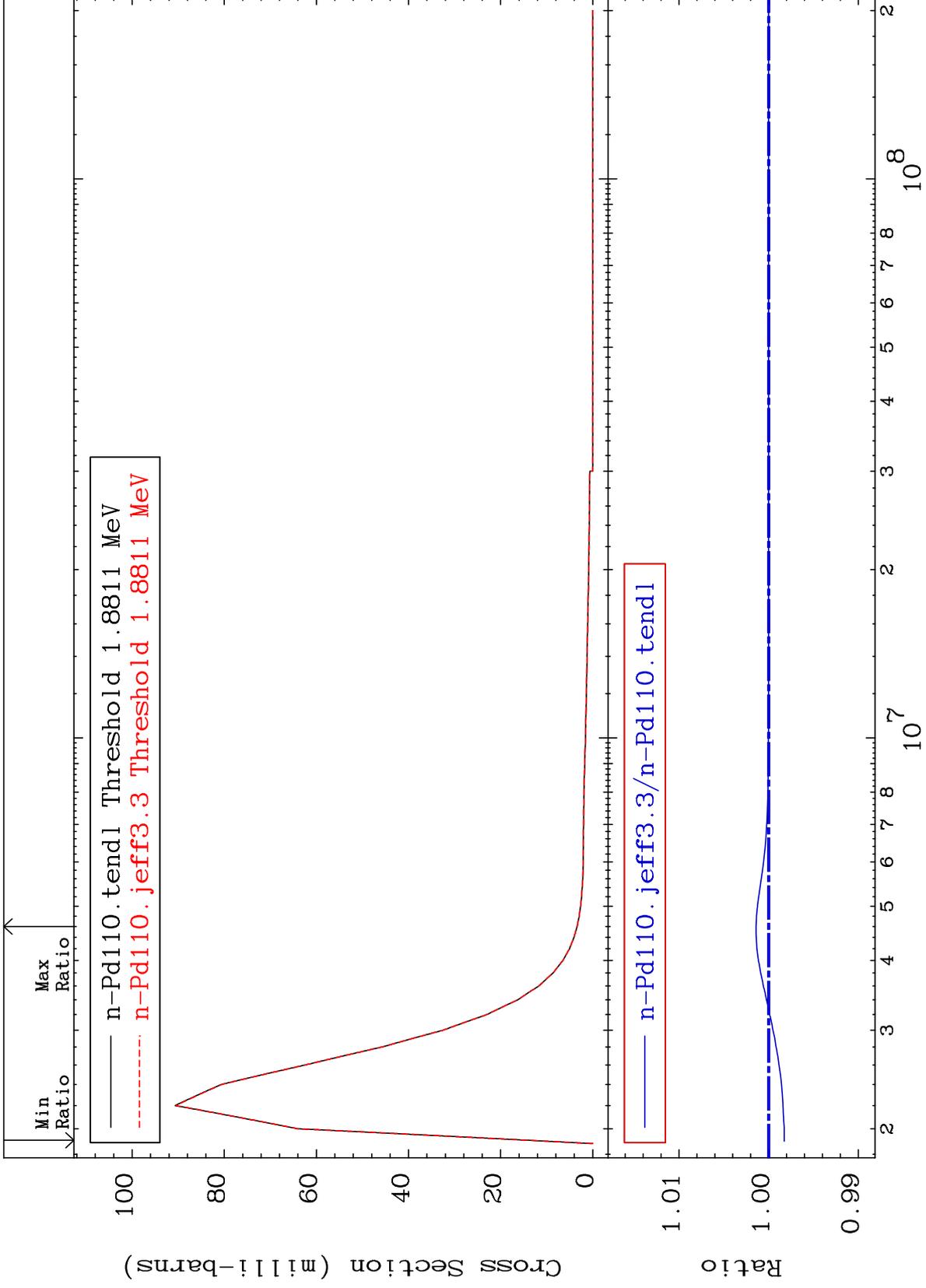
Incident Energy (eV)

46-Pd-110

MAT 4649

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

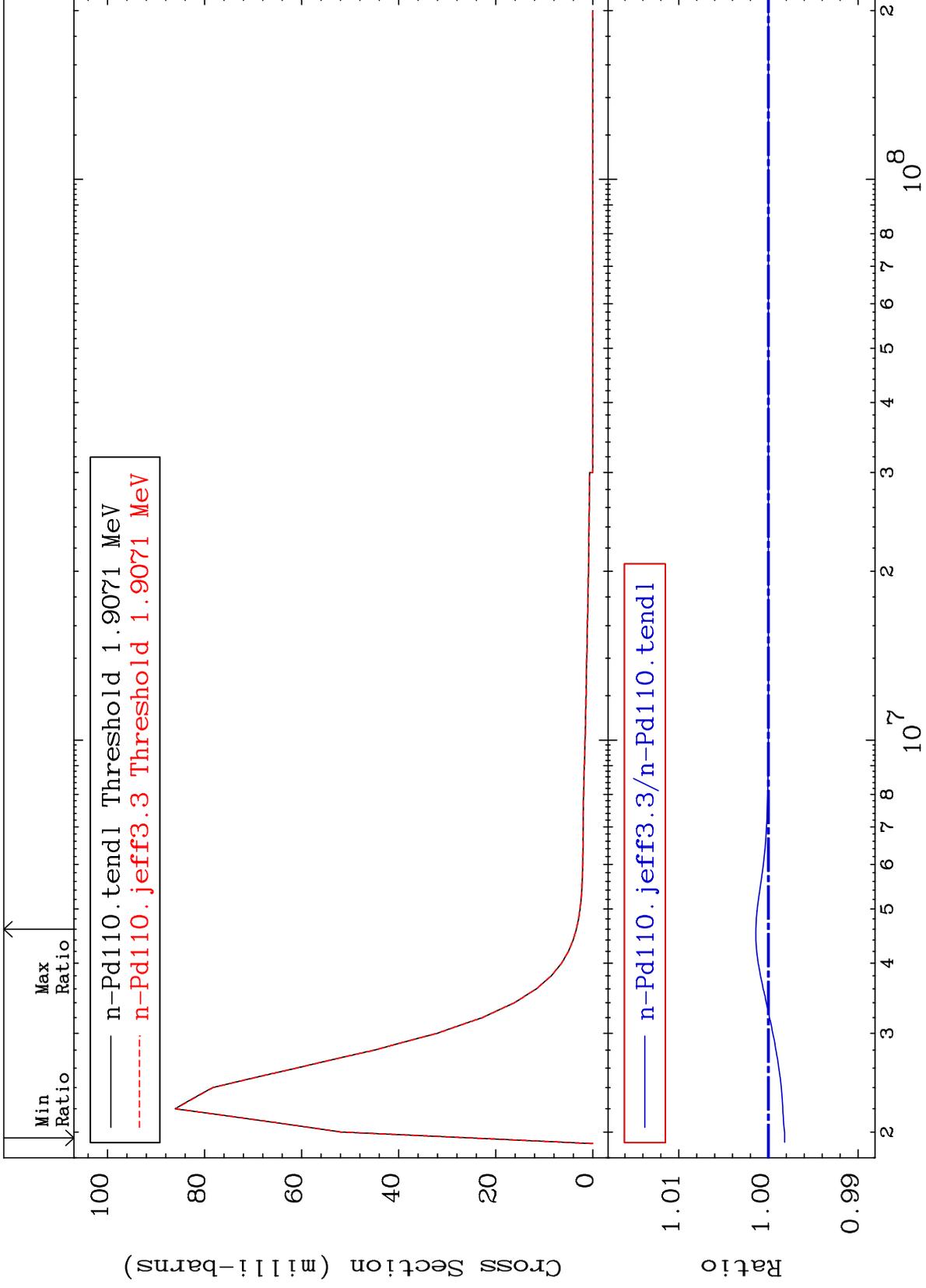
46-Pd-110
-0.175 To 0.141 %



MAT 4649

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

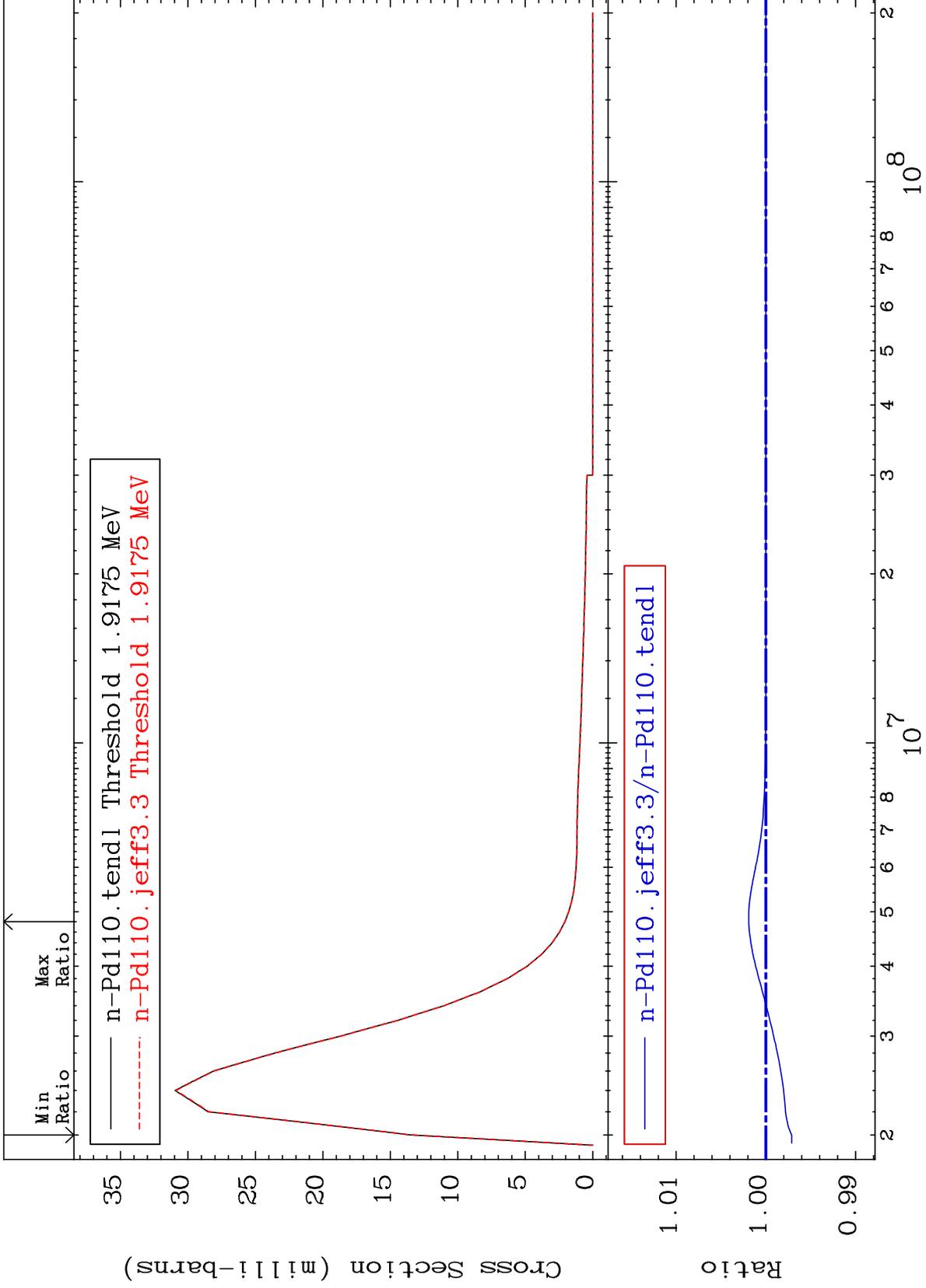
46-Pd-110
-0.180 To 0.141 %



MAT 4649

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

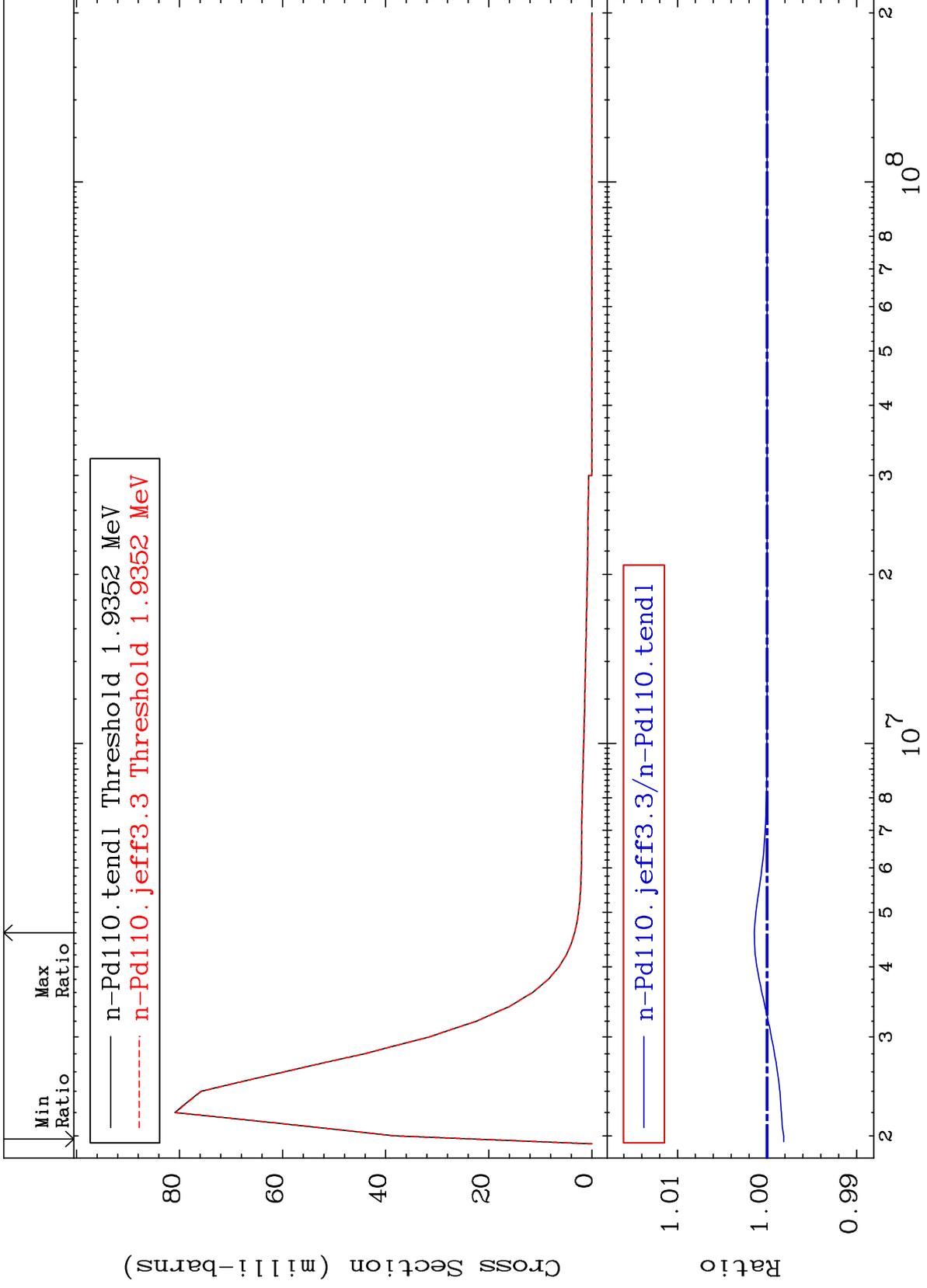
46-Pd-110
-0.288 To 0.192 %



MAT 4649

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

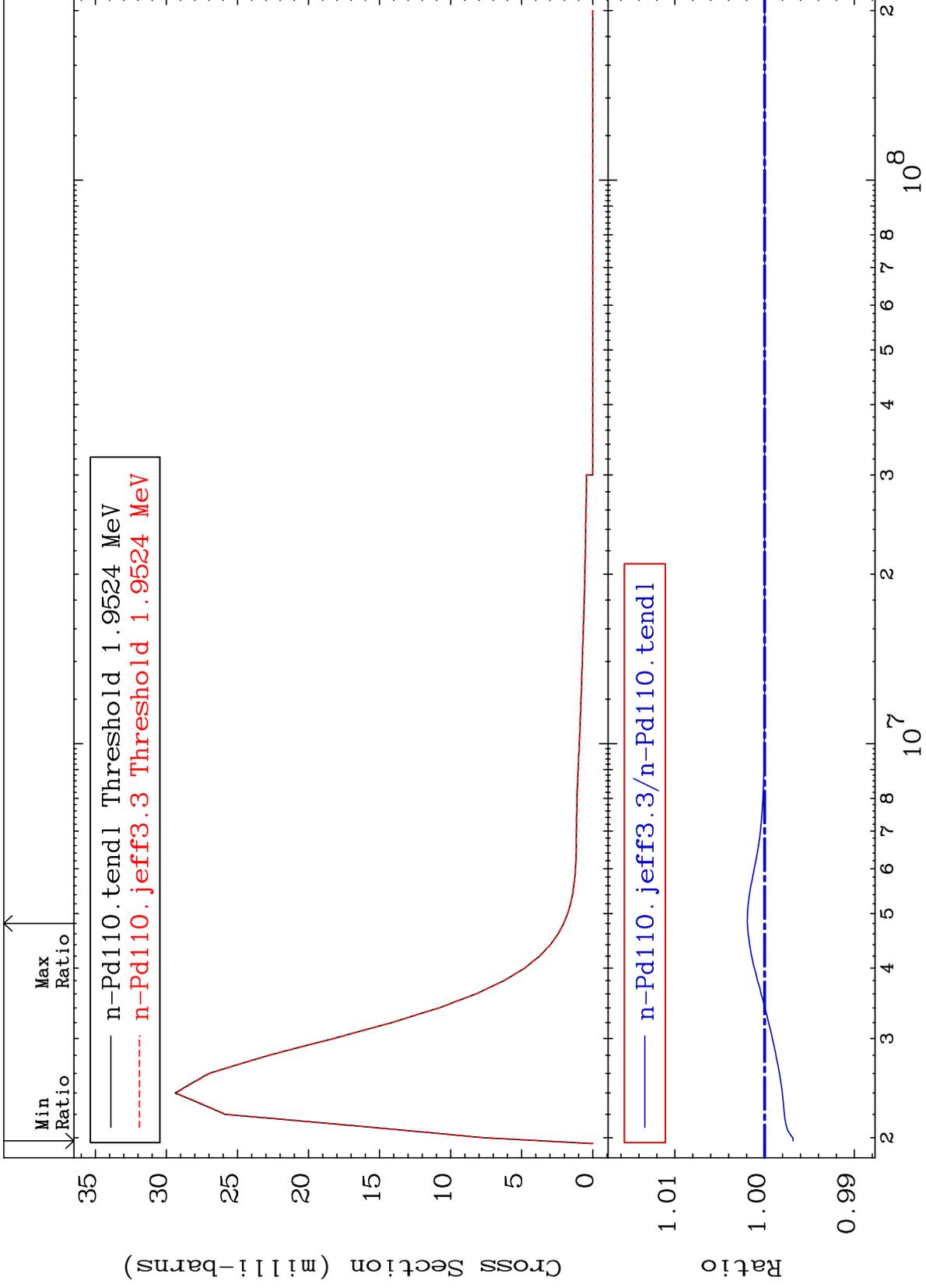
46-Pd-110
-0.186 To 0.141 %



MAT 4649

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

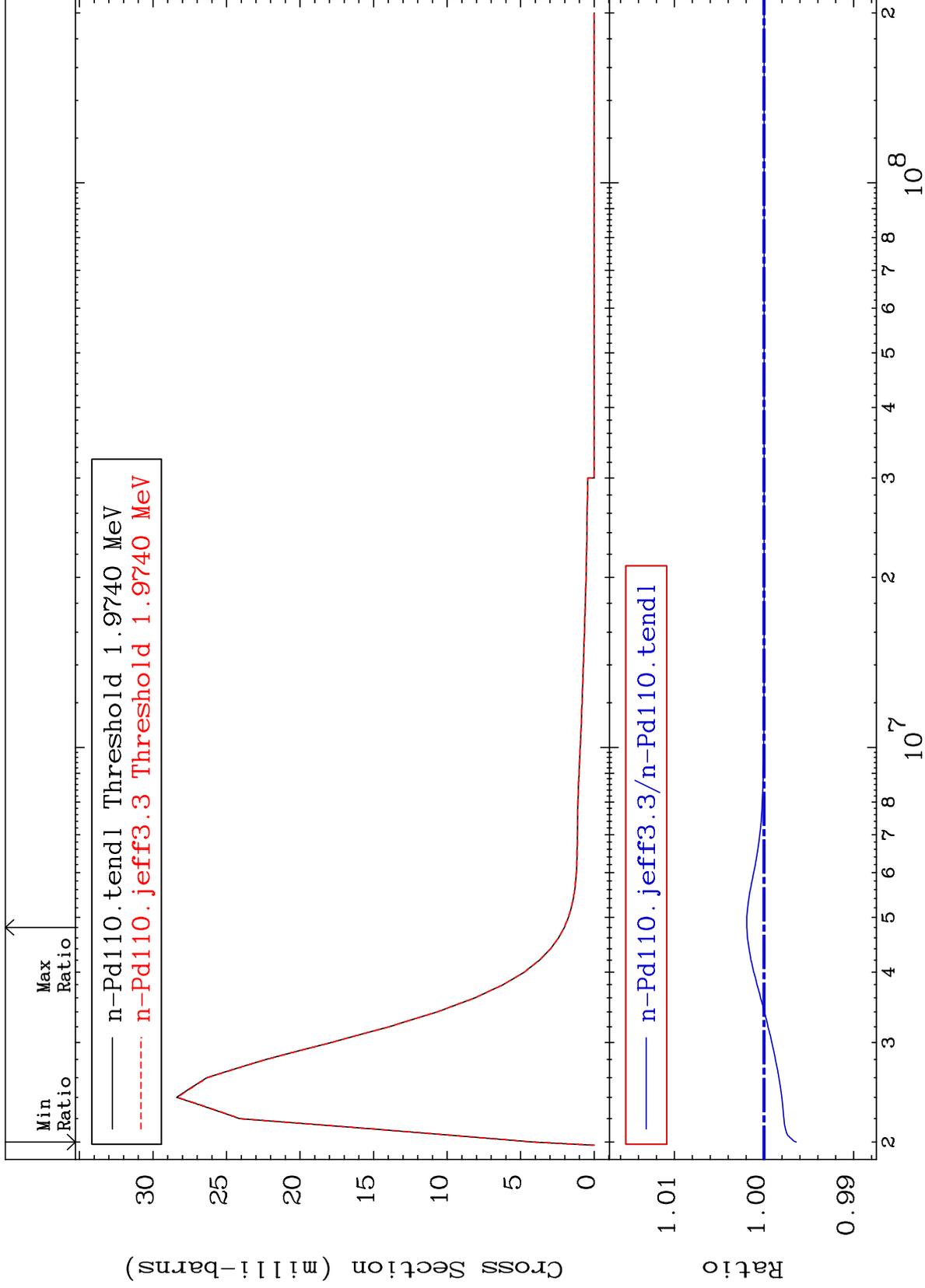
46-Pd-110
-0.317 To 0.192 %



MAT 4649

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

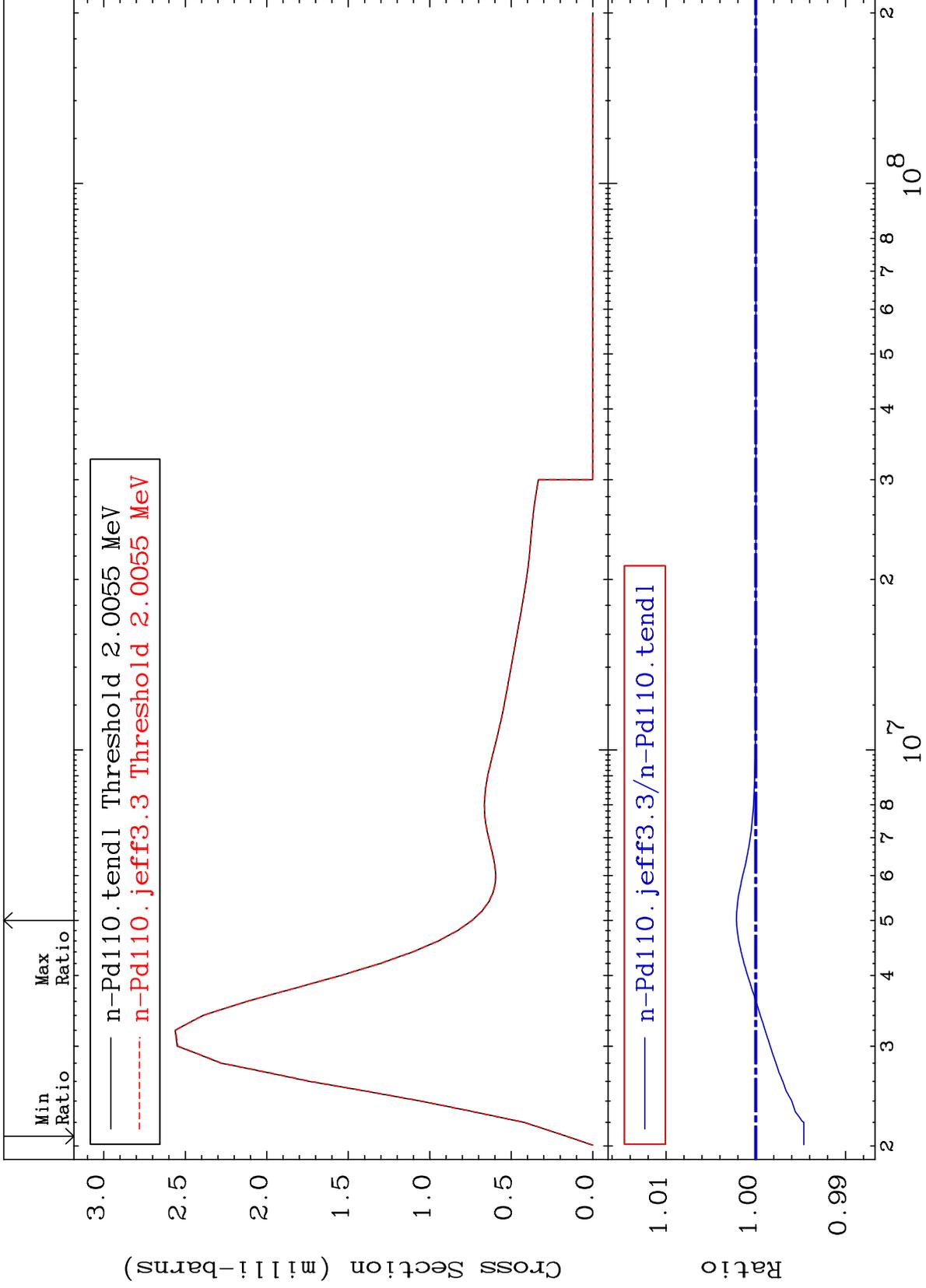
46-Pd-110
-0.360 To 0.192 %



MAT 4649

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

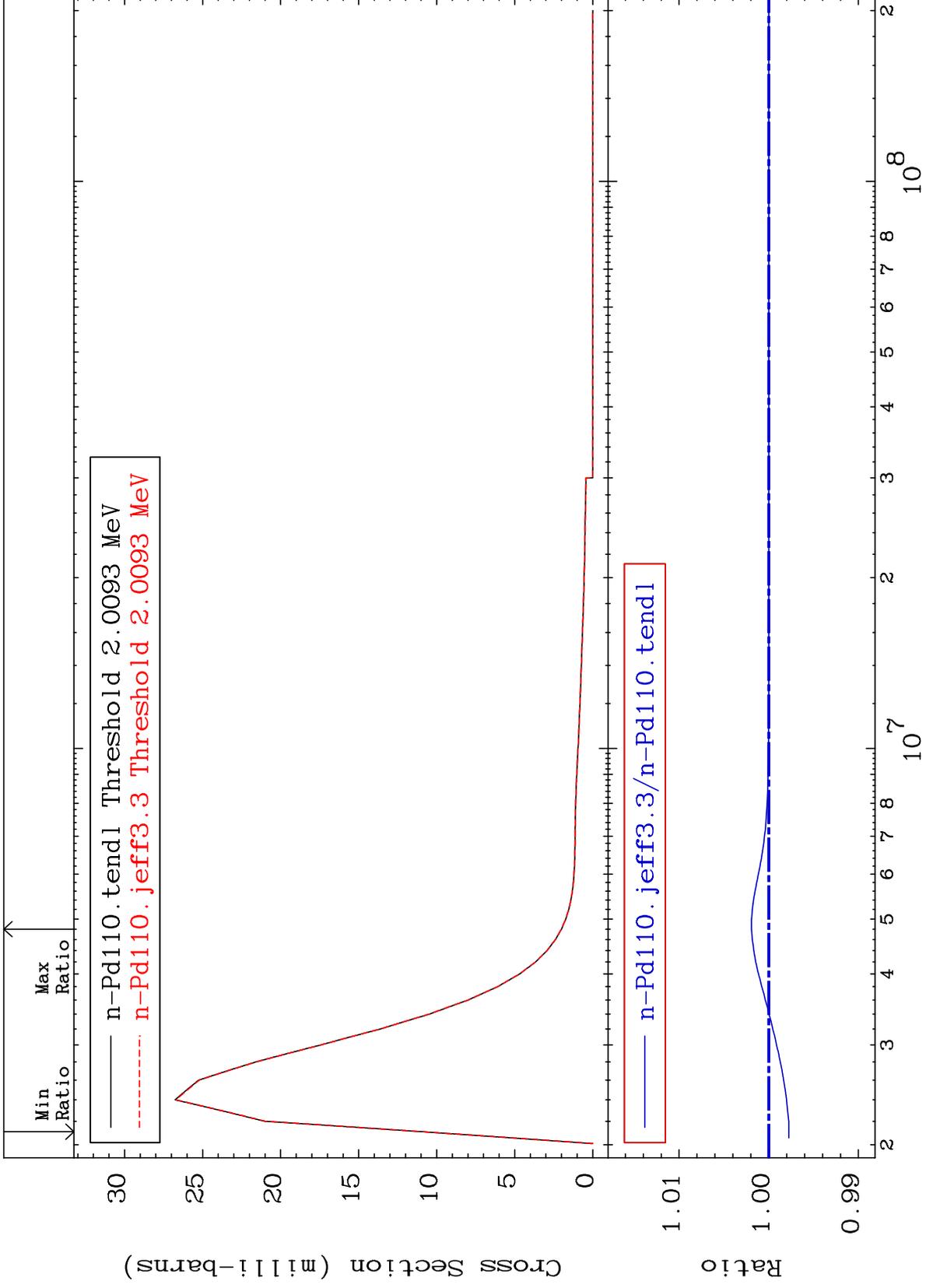
46-Pd-110
-0.536 To 0.215 %



MAT 4649

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

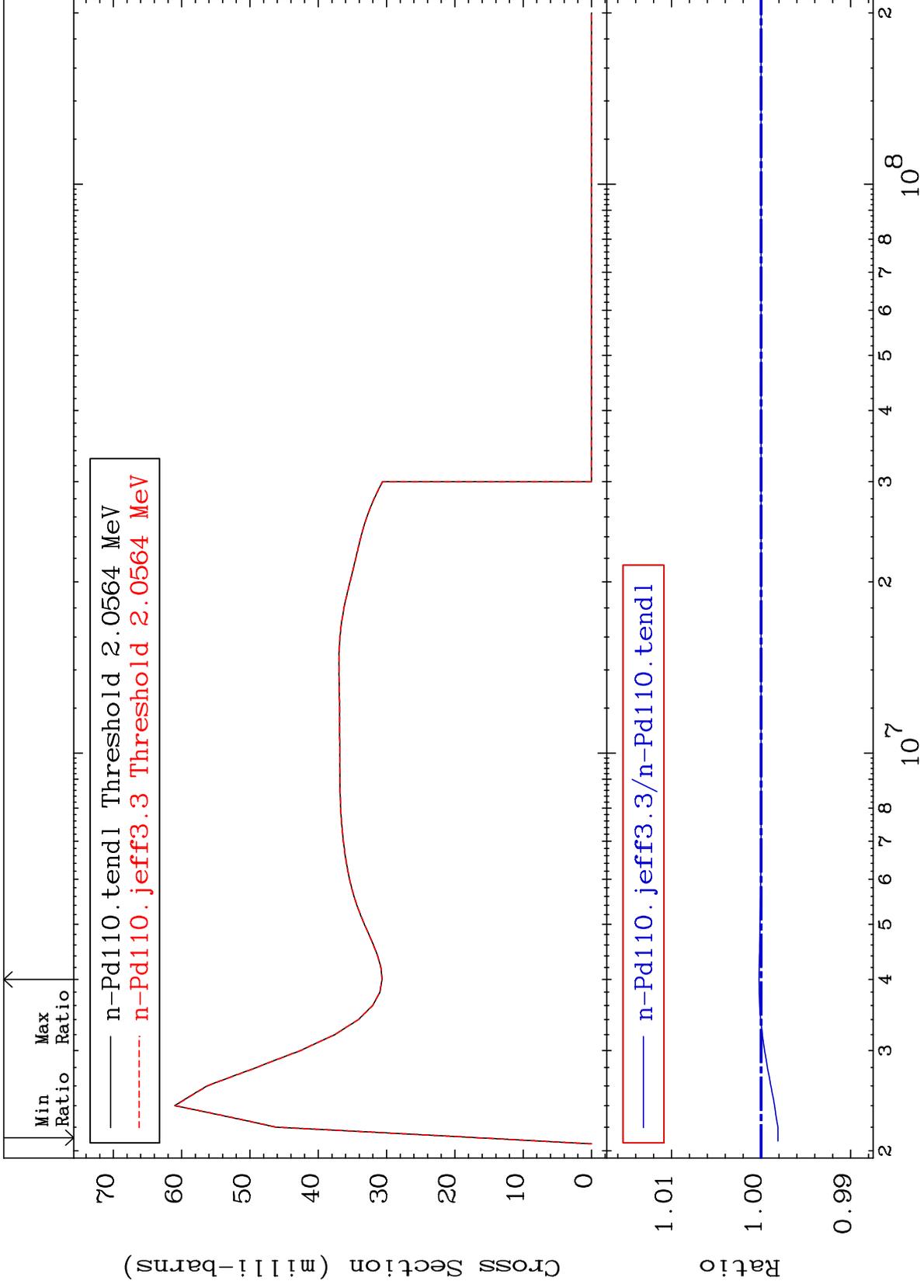
46-Pd-110
-0.224 To 0.193 %



MAT 4649

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

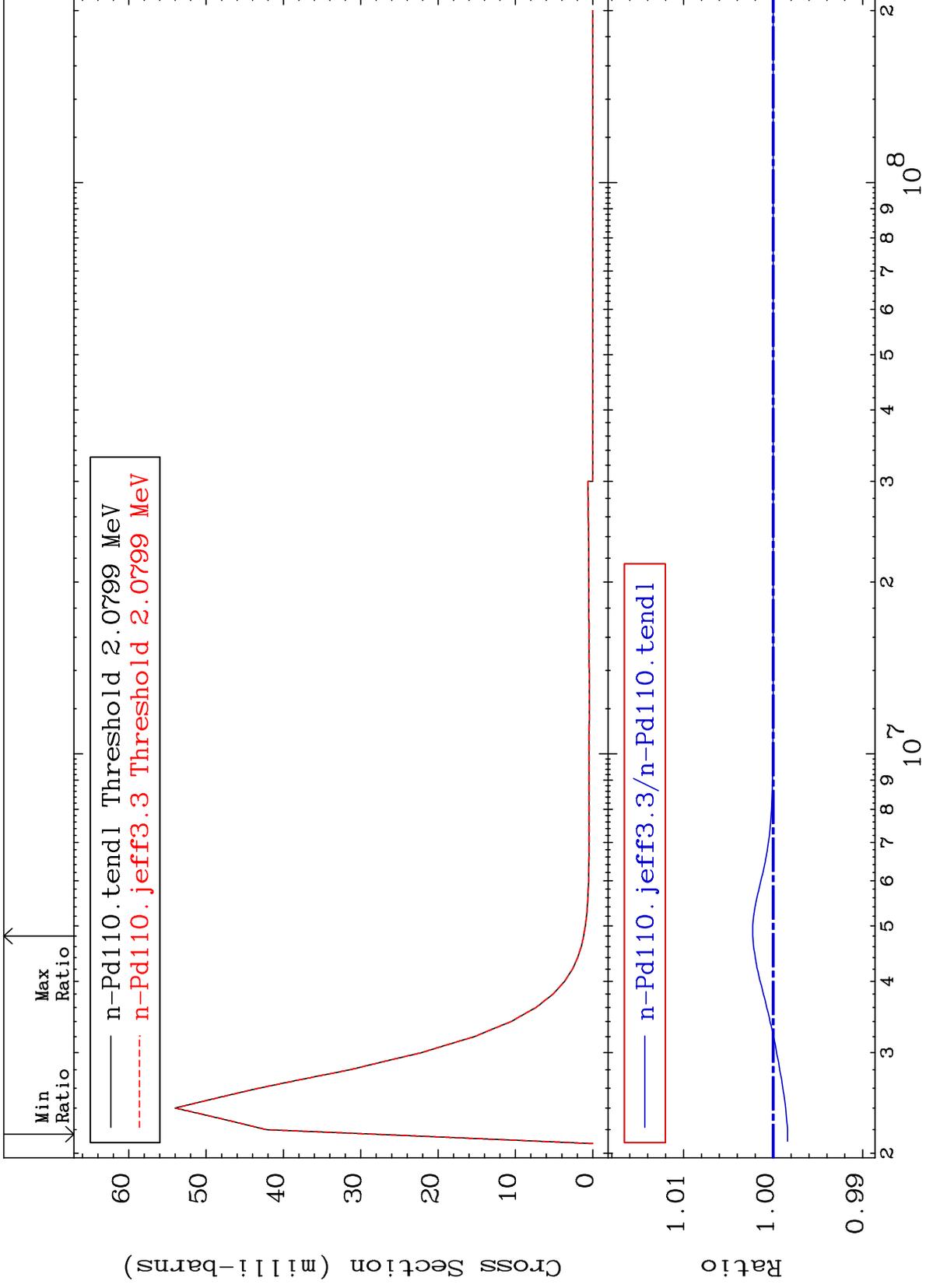
46-Pd-110
-0.188 To 0.023 %



MAT 4649

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

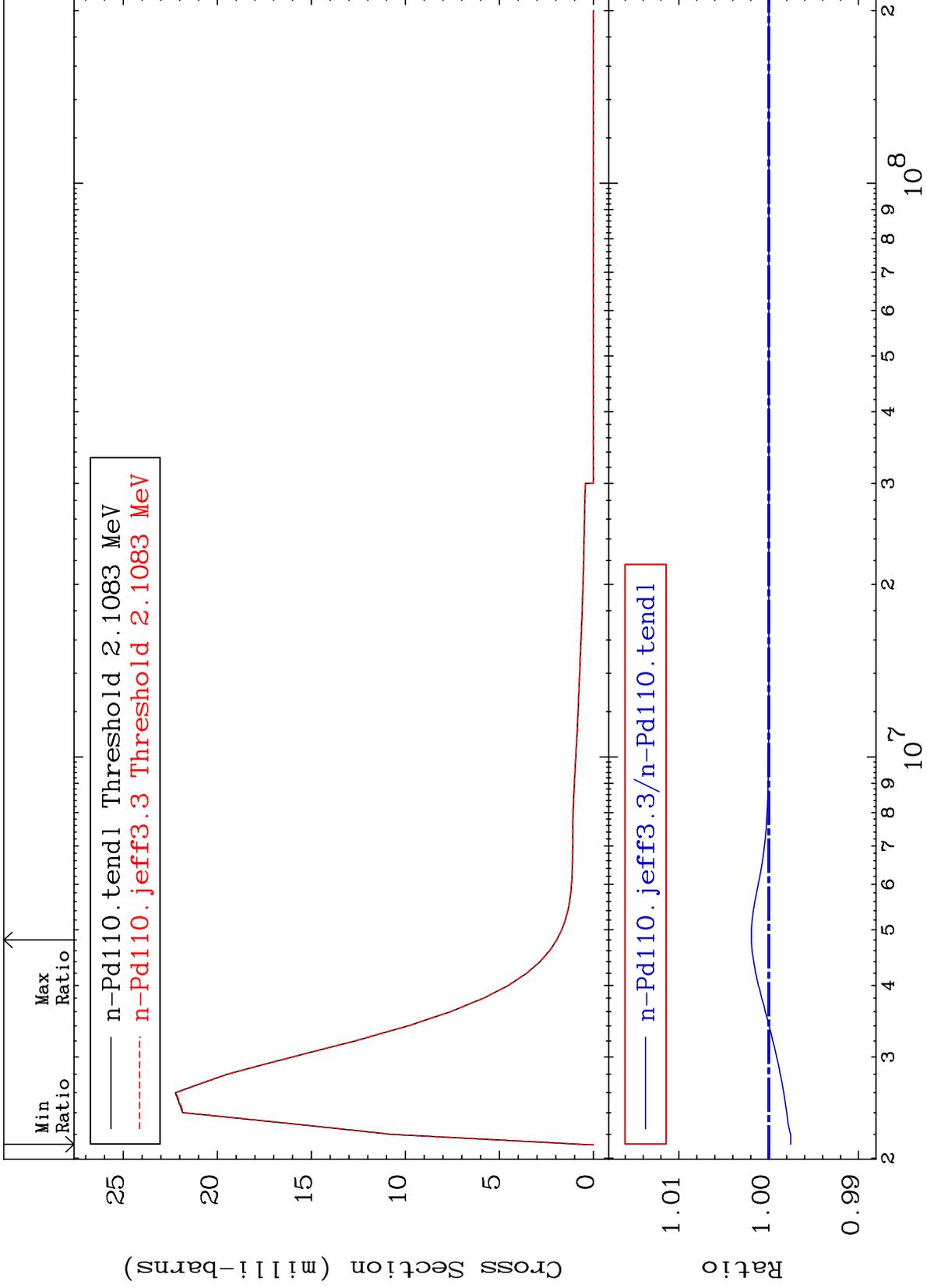
46-Pd-110
-0.161 To 0.229 %



MAT 4649

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

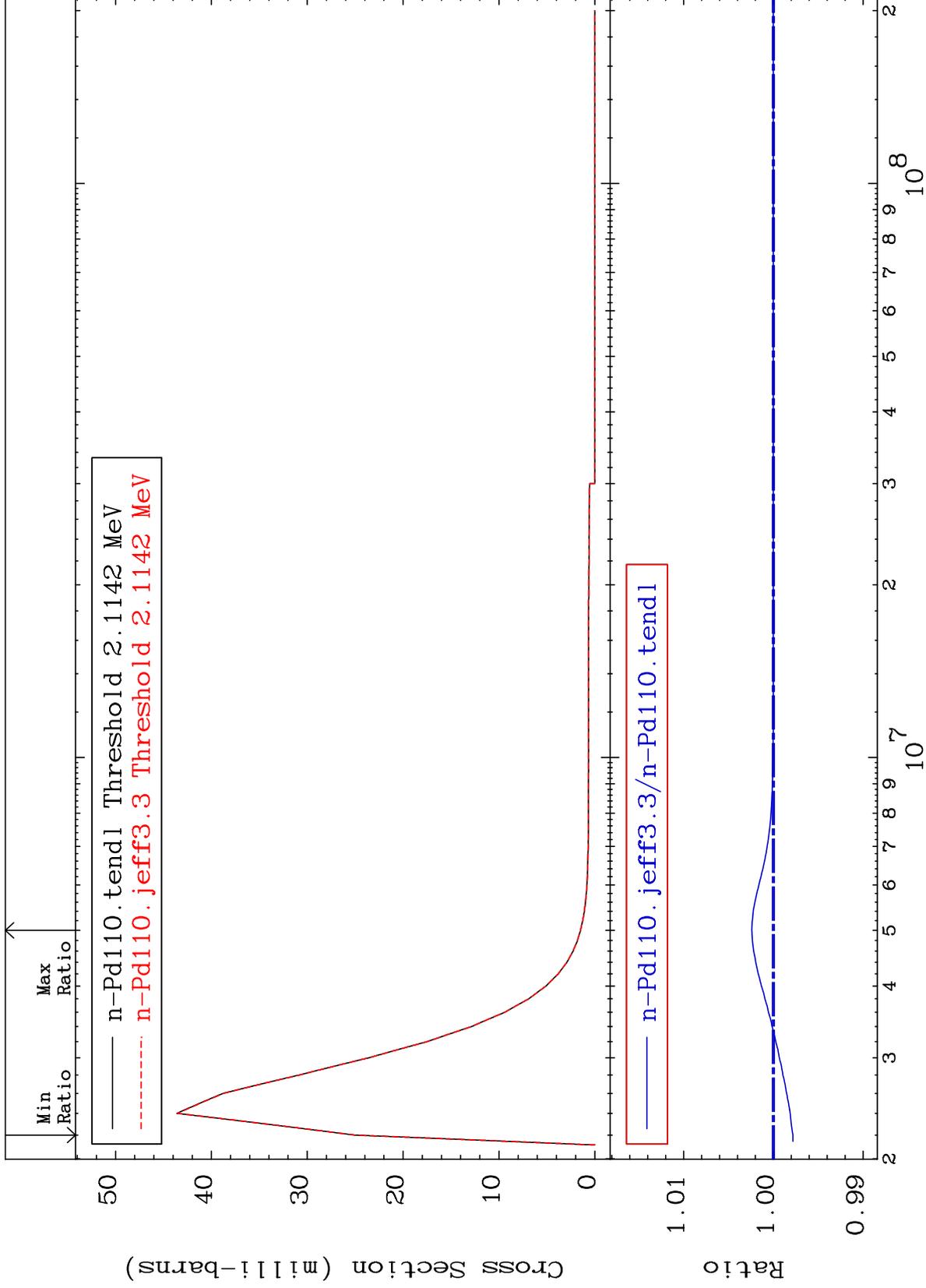
46-Pd-110
-0.244 To 0.194 %



MAT 4649

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

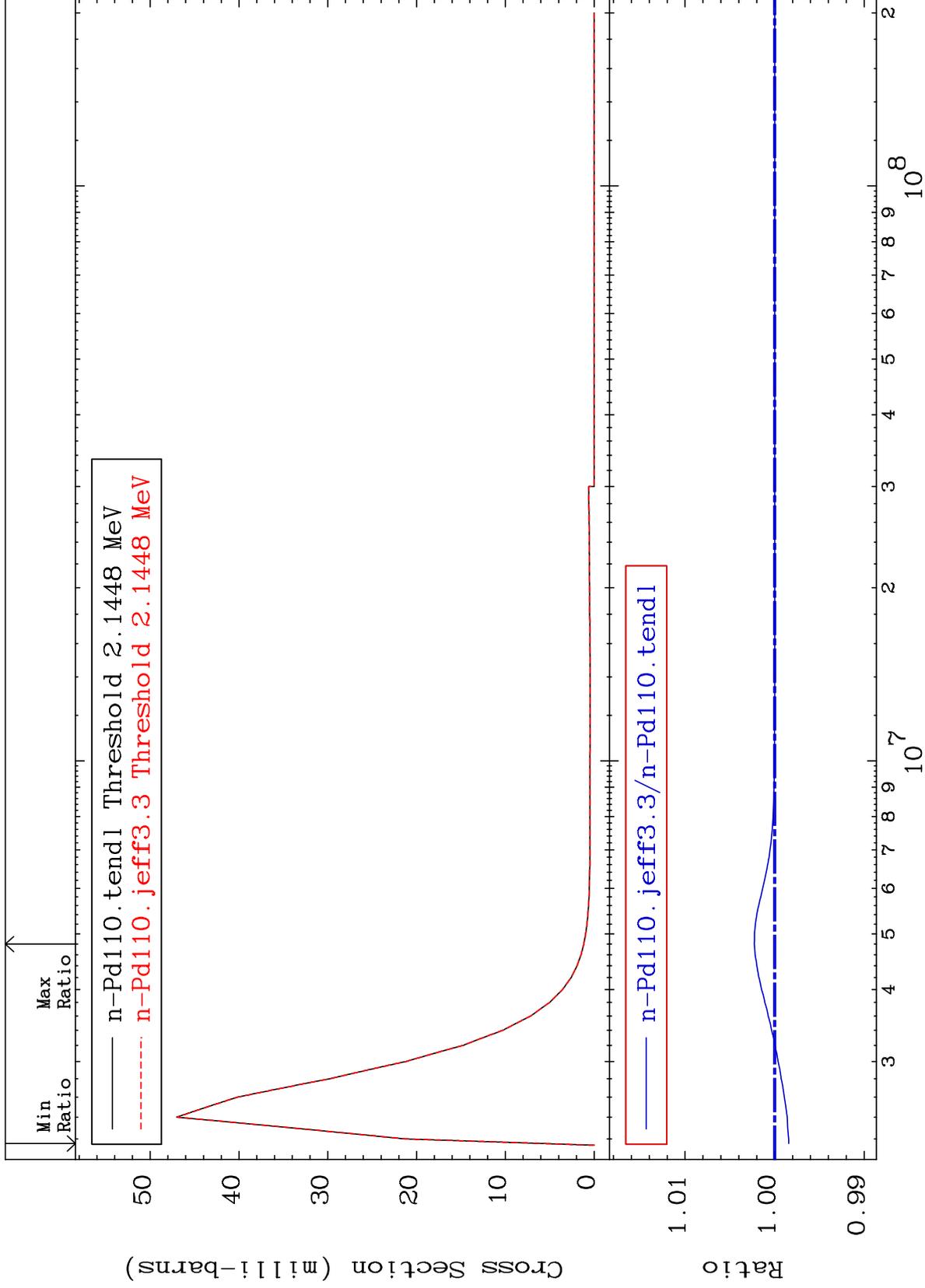
46-Pd-110
-0.218 To 0.240 %



MAT 4649

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

46-Pd-110
-0.156 To 0.227 %



45

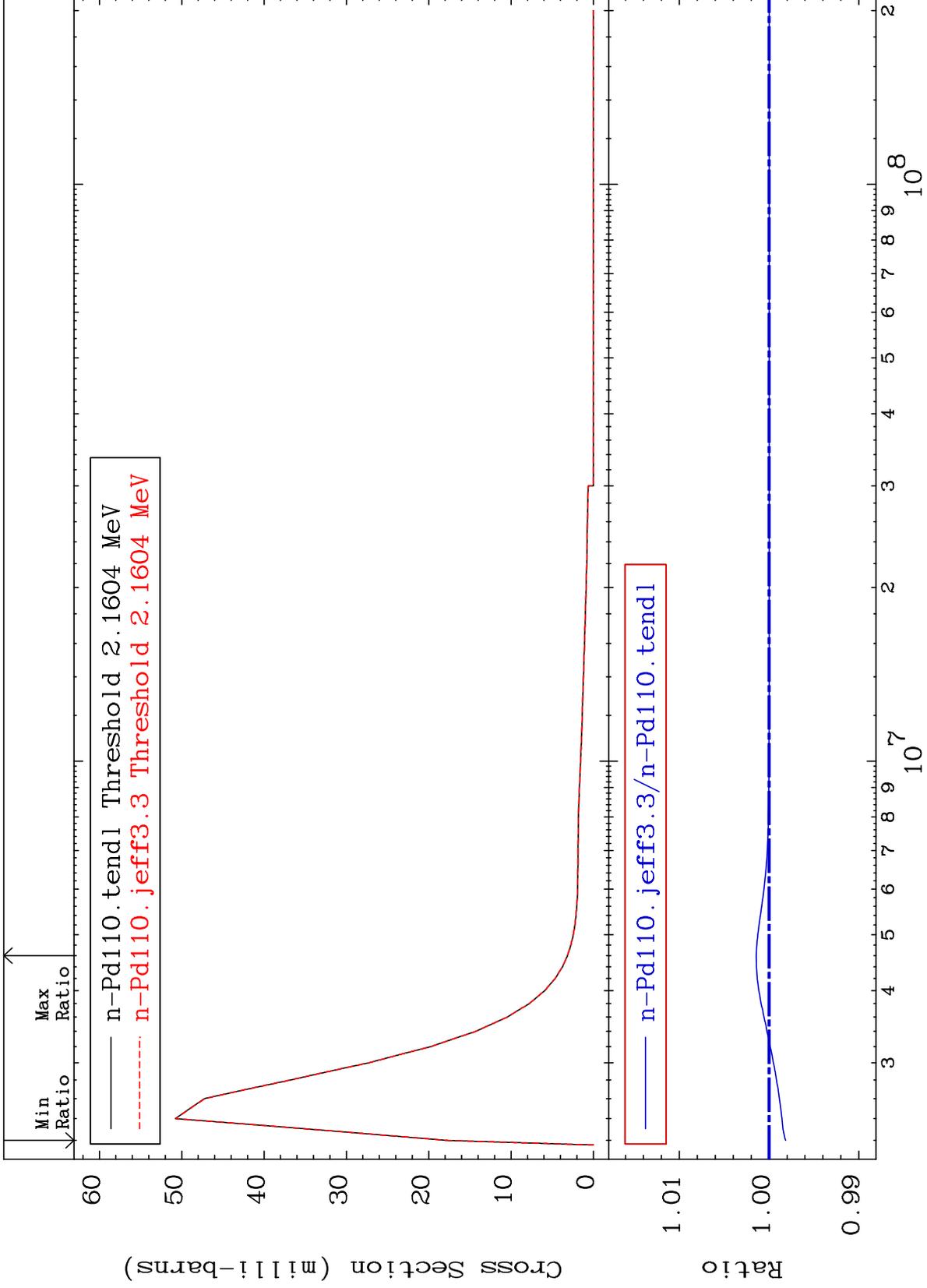
Incident Energy (eV)

46-Pd-110

MAT 4649

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

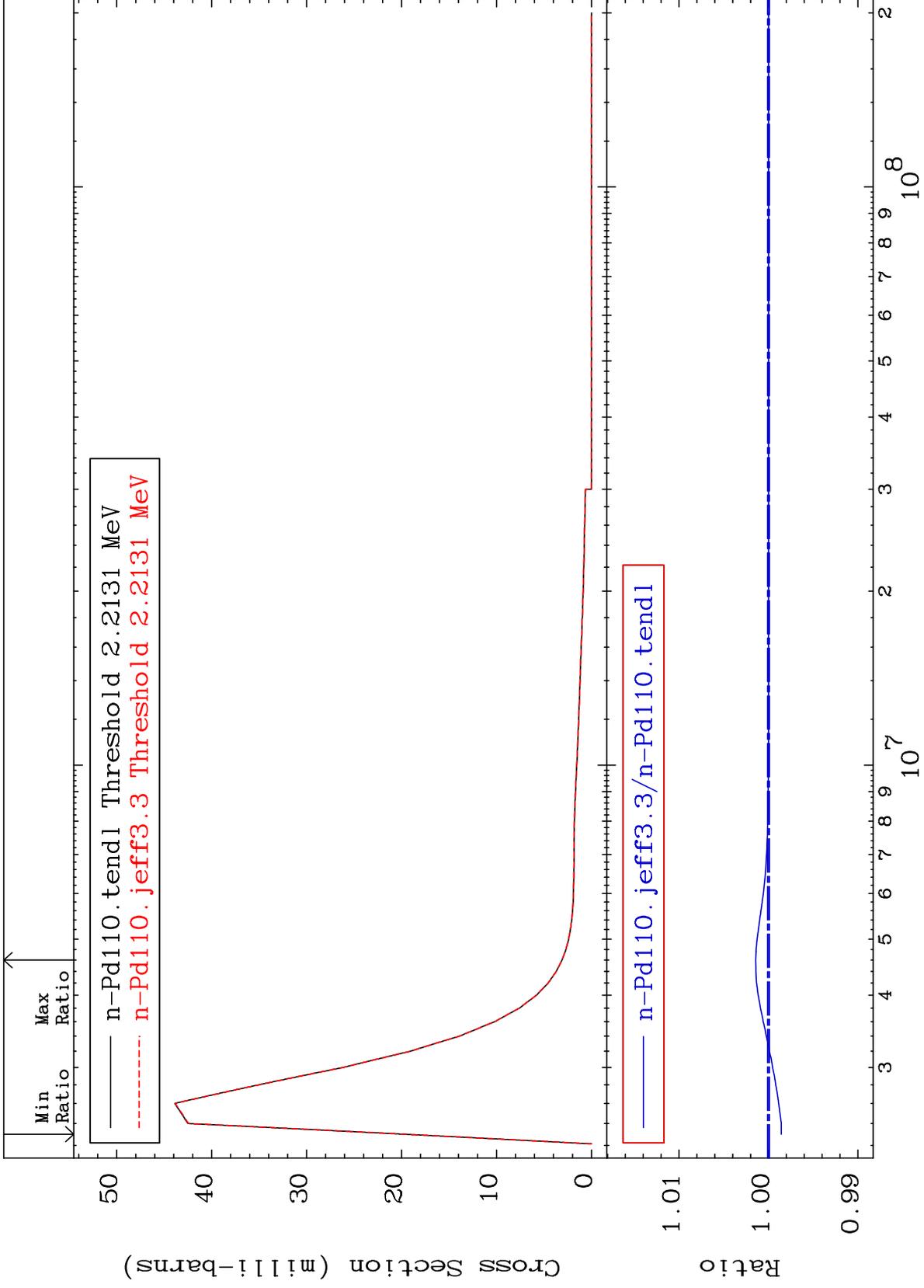
46-Pd-110
-0.184 To 0.143 %



MAT 4649

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

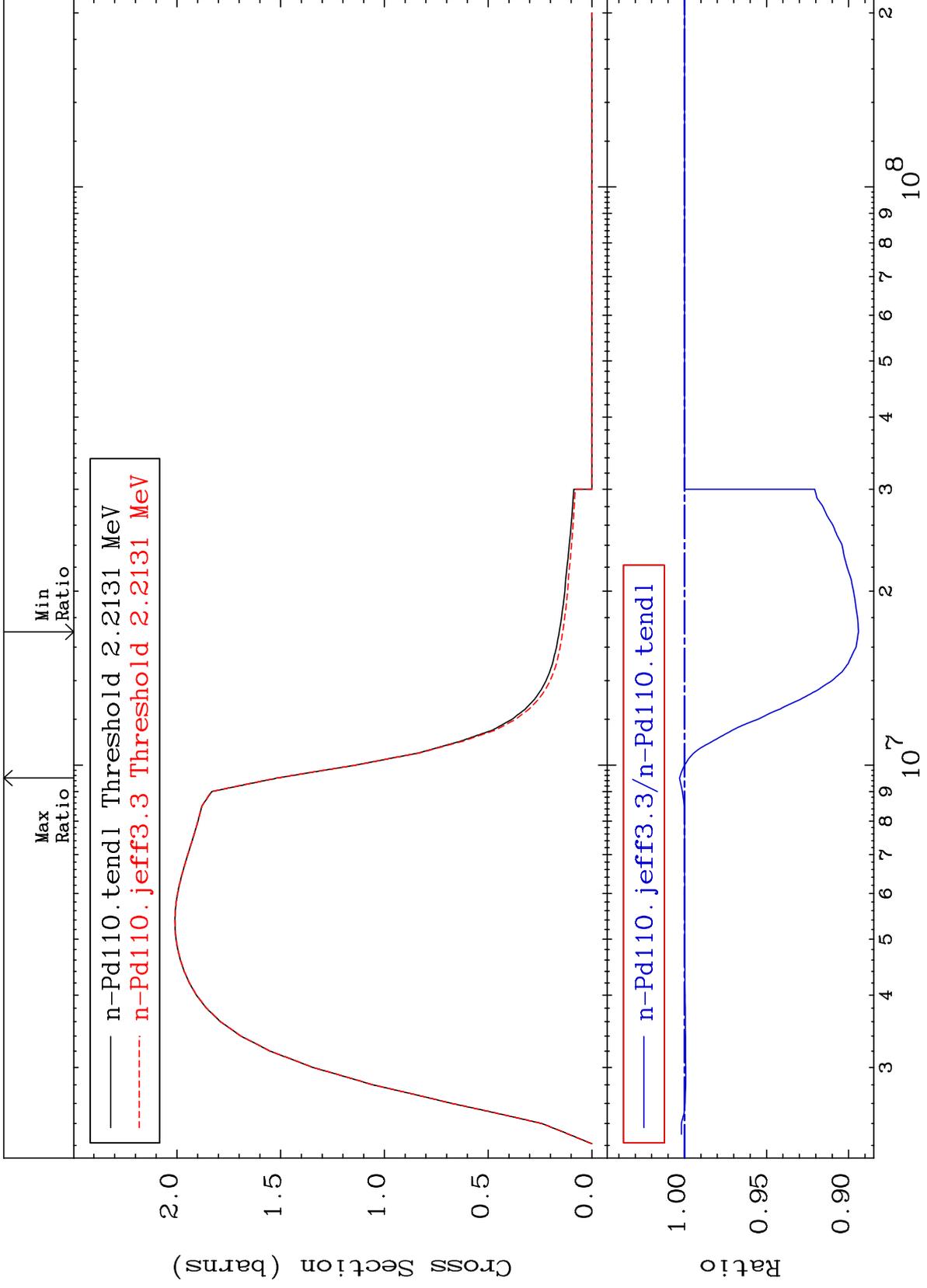
46-Pd-110
-0.144 To 0.143 %



MAT 4649

(n, n') Continuum
Cross Section

46-Pd-110
-10.61 To 0.301 %



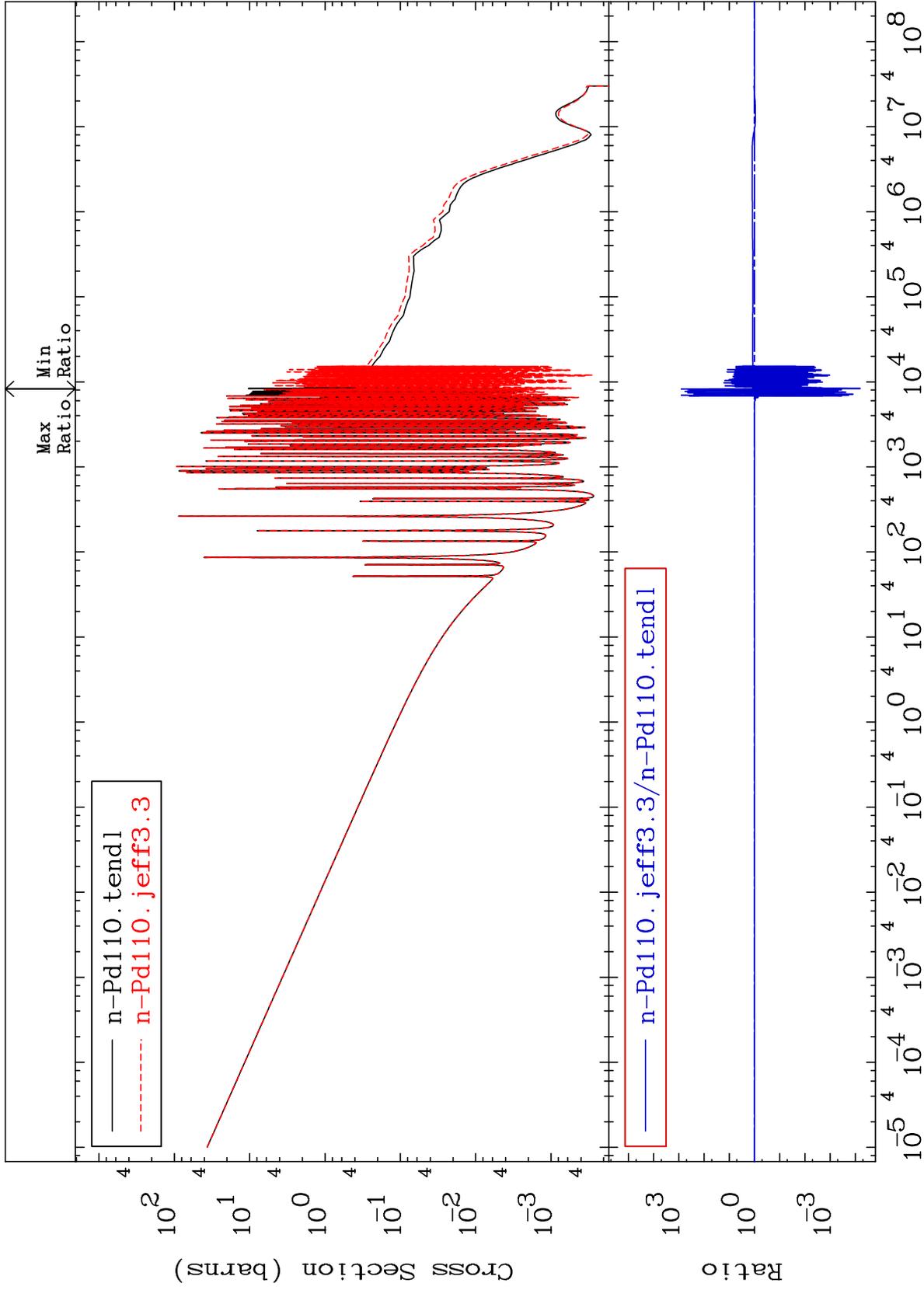
MAT 4649

(n, γ)

46-Pd-110

Cross Section

-99.99 To 9999. %



49

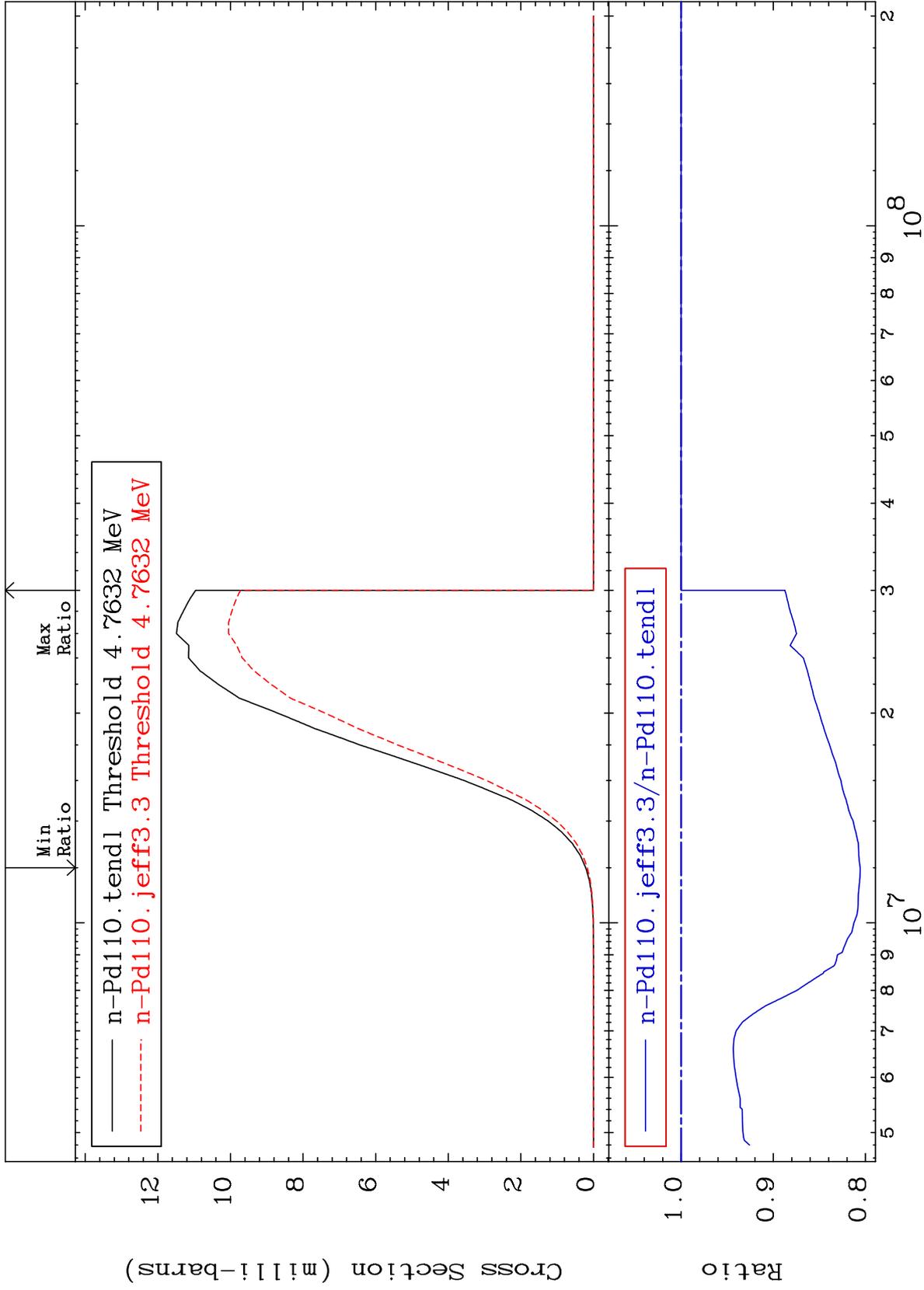
Incident Energy (eV)

46-Pd-110

MAT 4649

46-Pd-110

(n,p)
Cross Section
-19.43 To 0.000 %



50

Incident Energy (eV)

46-Pd-110

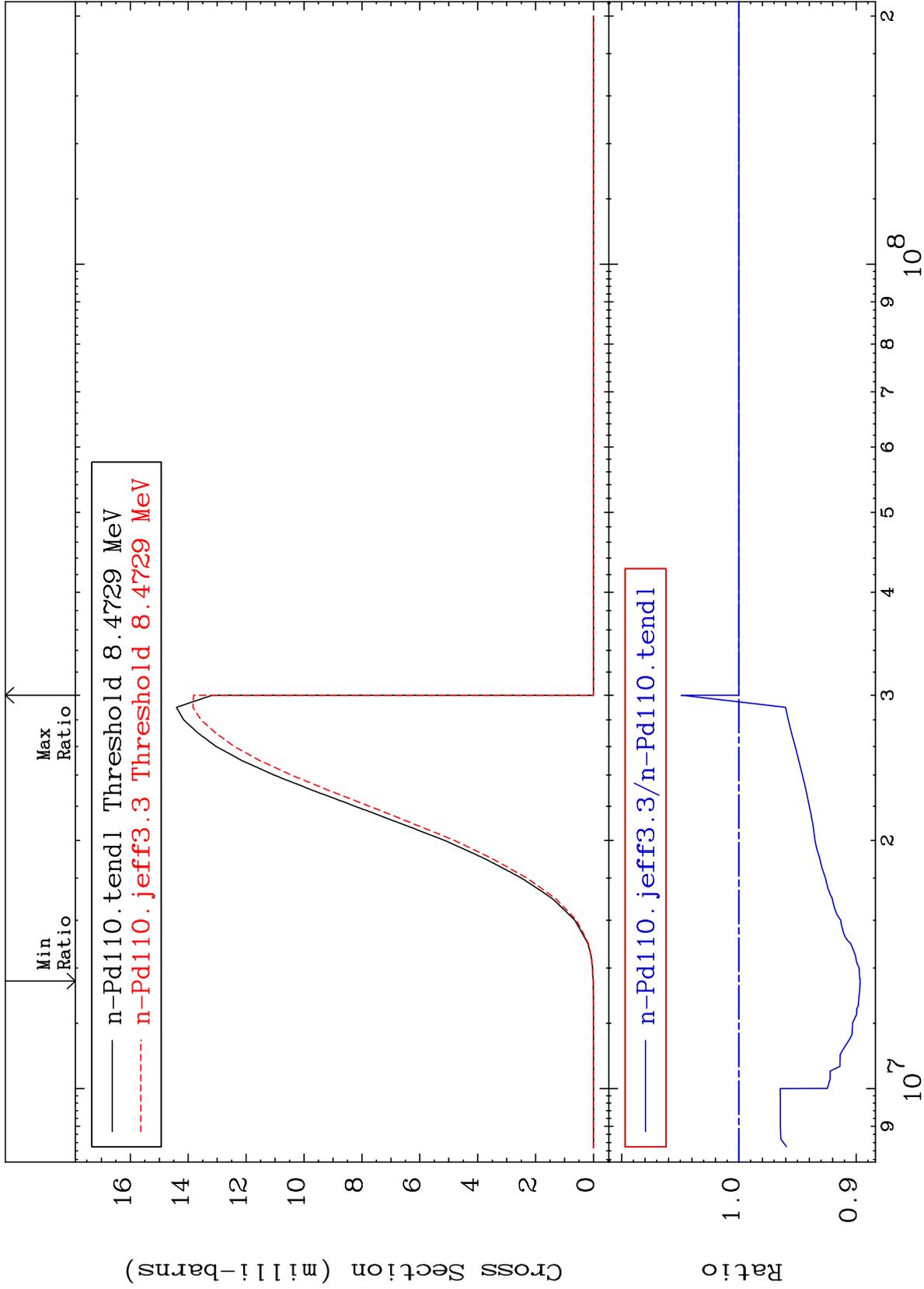
MAT 4649

(n, d)

46-Pd-110

Cross Section

-10.34 To 4.923 %



51

46-Pd-110

46-Pd-110

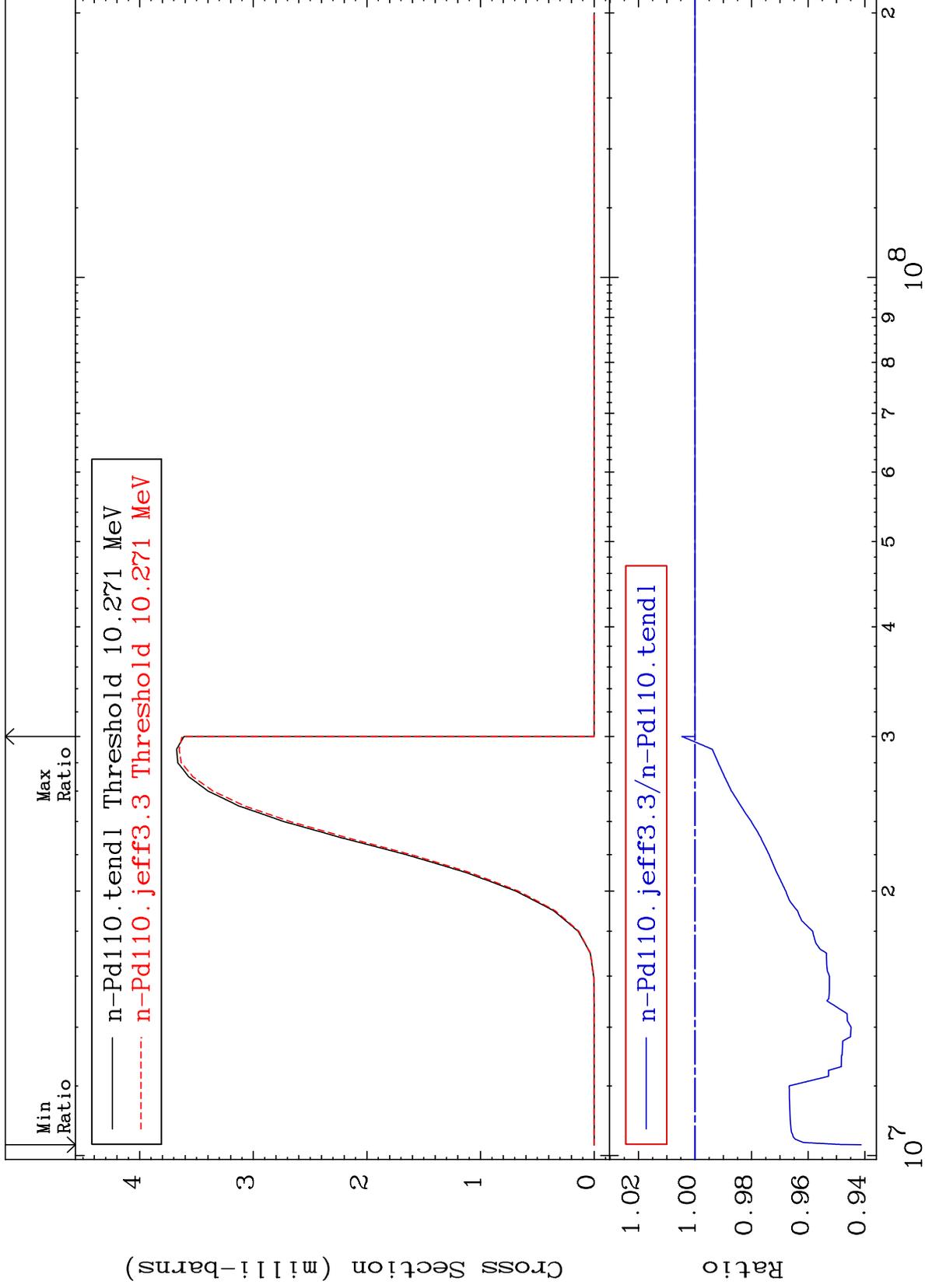
MAT 4649

(n, t)

46-Pd-110

Cross Section

-5.870 To 0.464 %



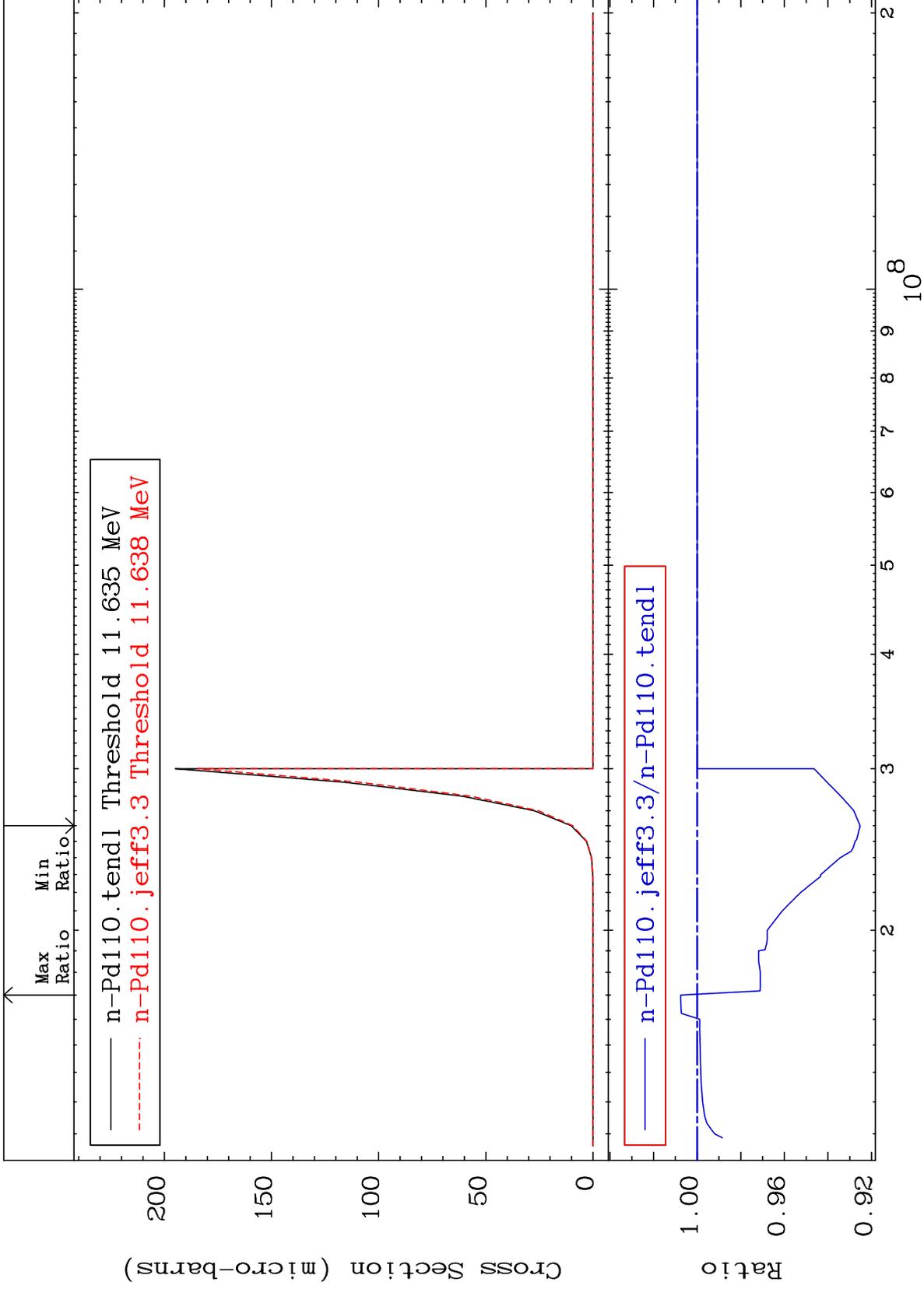
52

Incident Energy (eV)

46-Pd-110

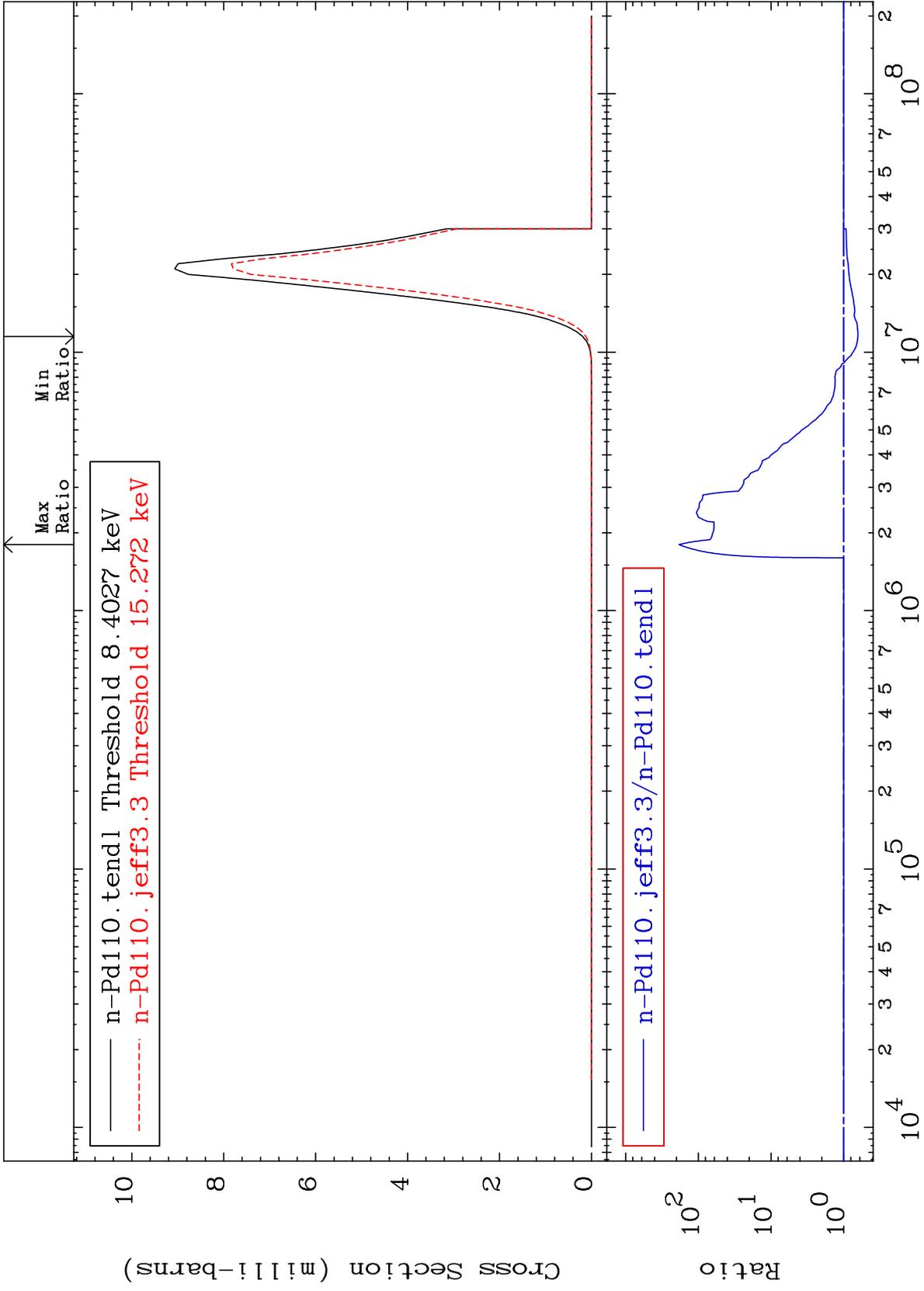
Cross Section

-7.474 To 0.753 %



MAT 4649

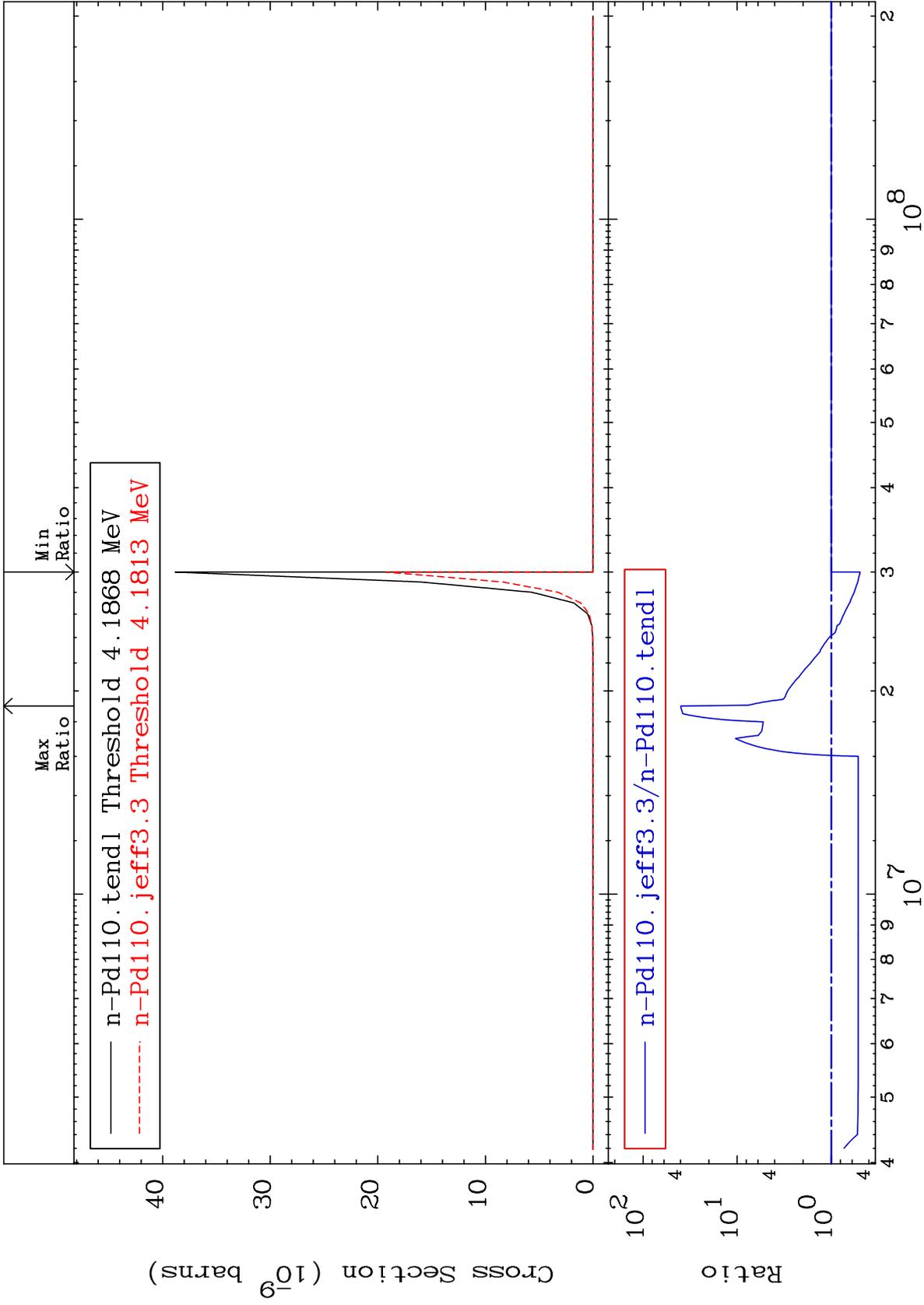
(n, α)
Cross Section
46-Pd-110
-36.25 To 9999. %



54

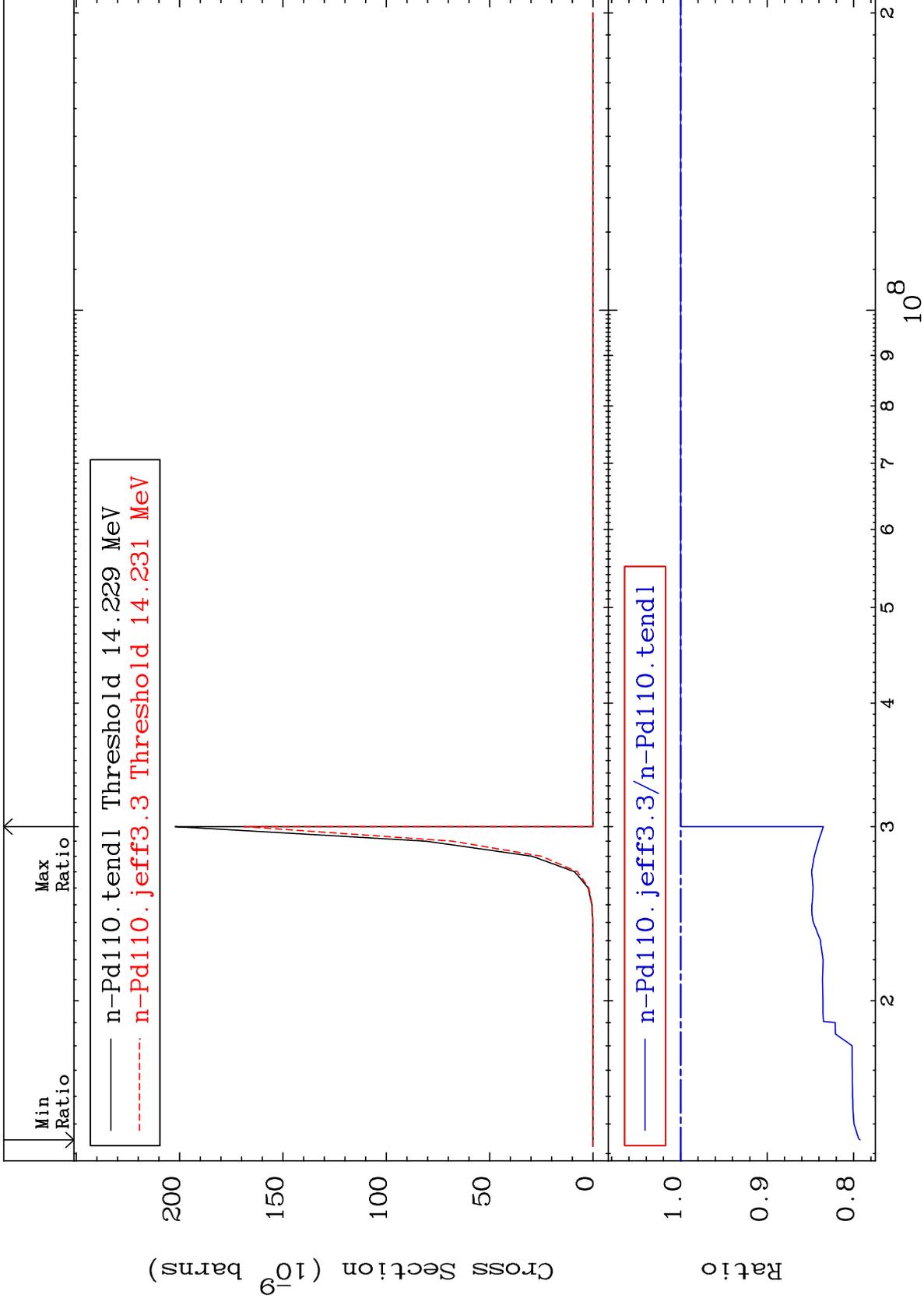
Incident Energy (eV)

46-Pd-110



Cross Section

-20.75 To 0.000 %



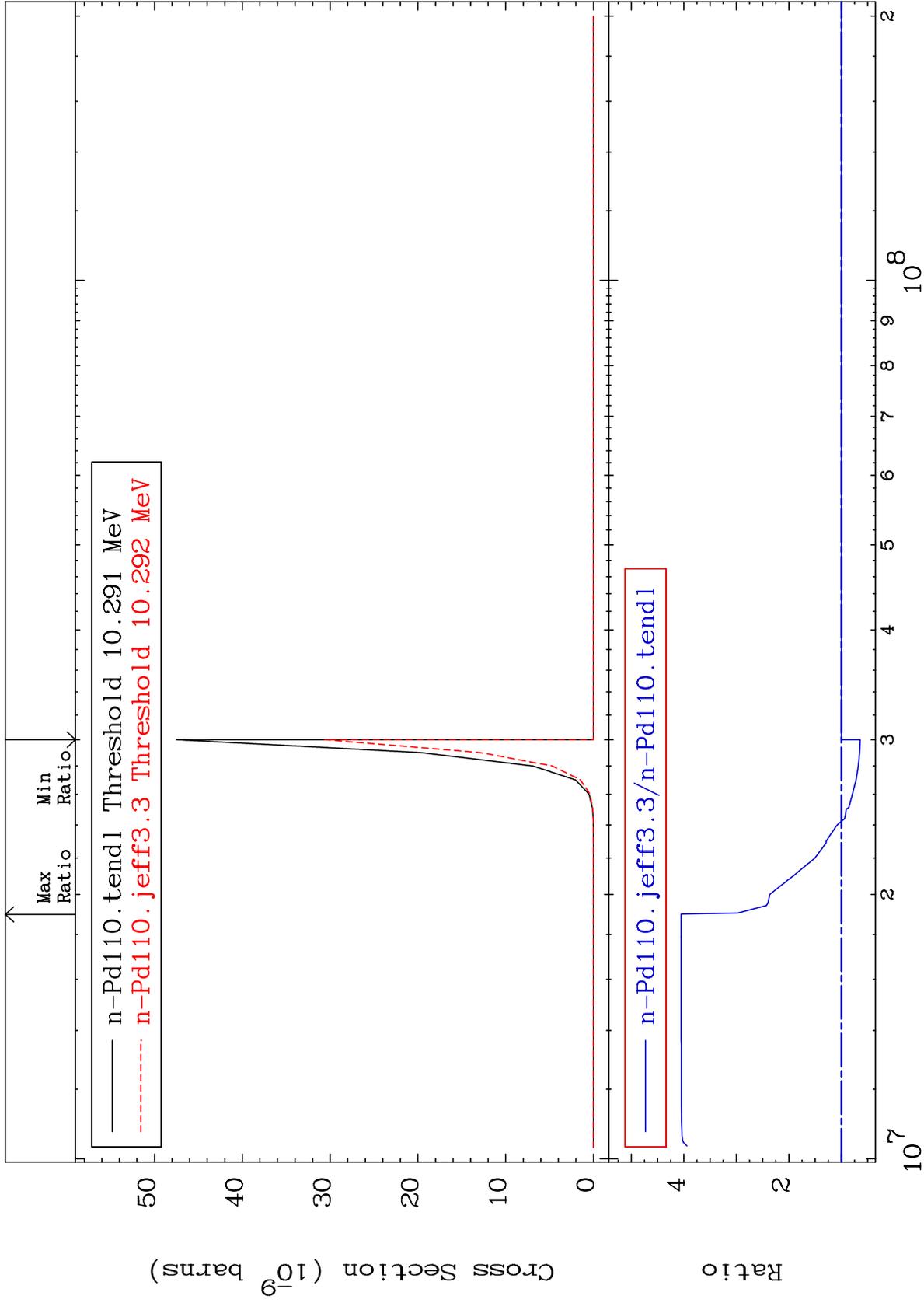
MAT 4649

(n, p) α

46-Pd-110

Cross Section

-35.54 To 305.2 %



57

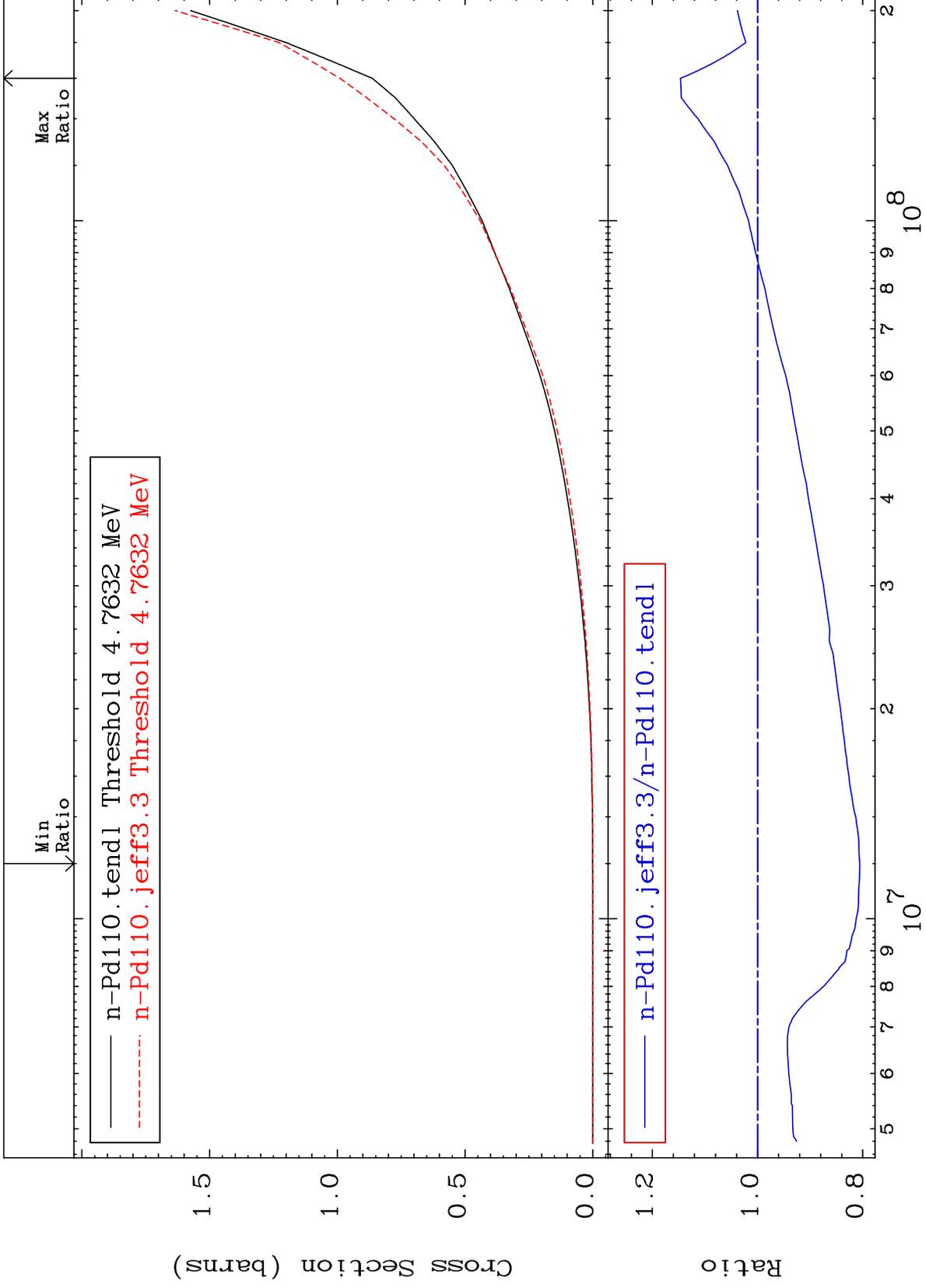
Incident Energy (eV)

46-Pd-110

MAT 4649

Hydrogen Production
Cross Section

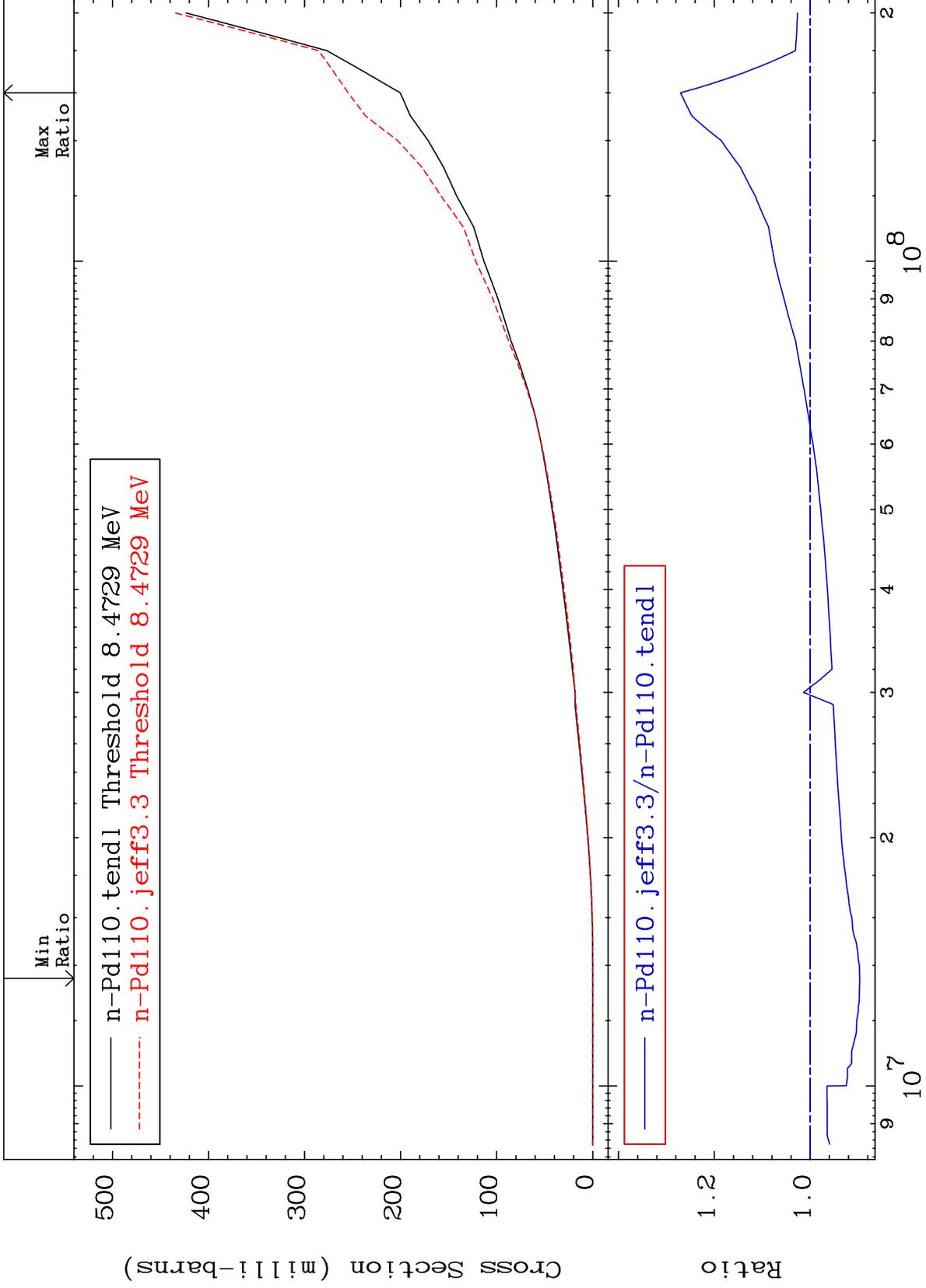
46-Pd-110
-19.43 To 14.65 %



MAT 4649

Deuterium Production
Cross Section

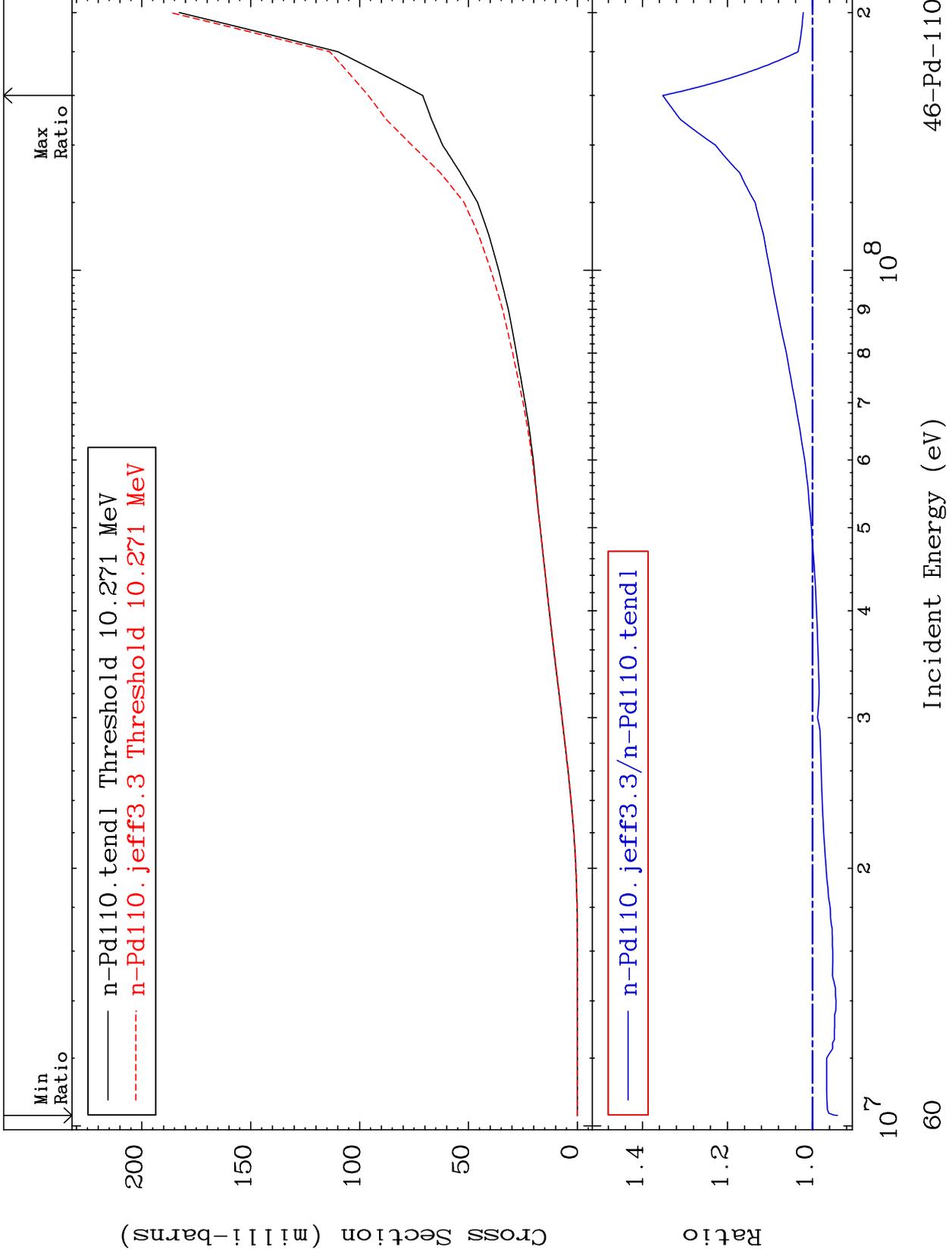
46-Pd-110
-10.34 To 27.05 %



MAT 4649

Tritium Production
Cross Section

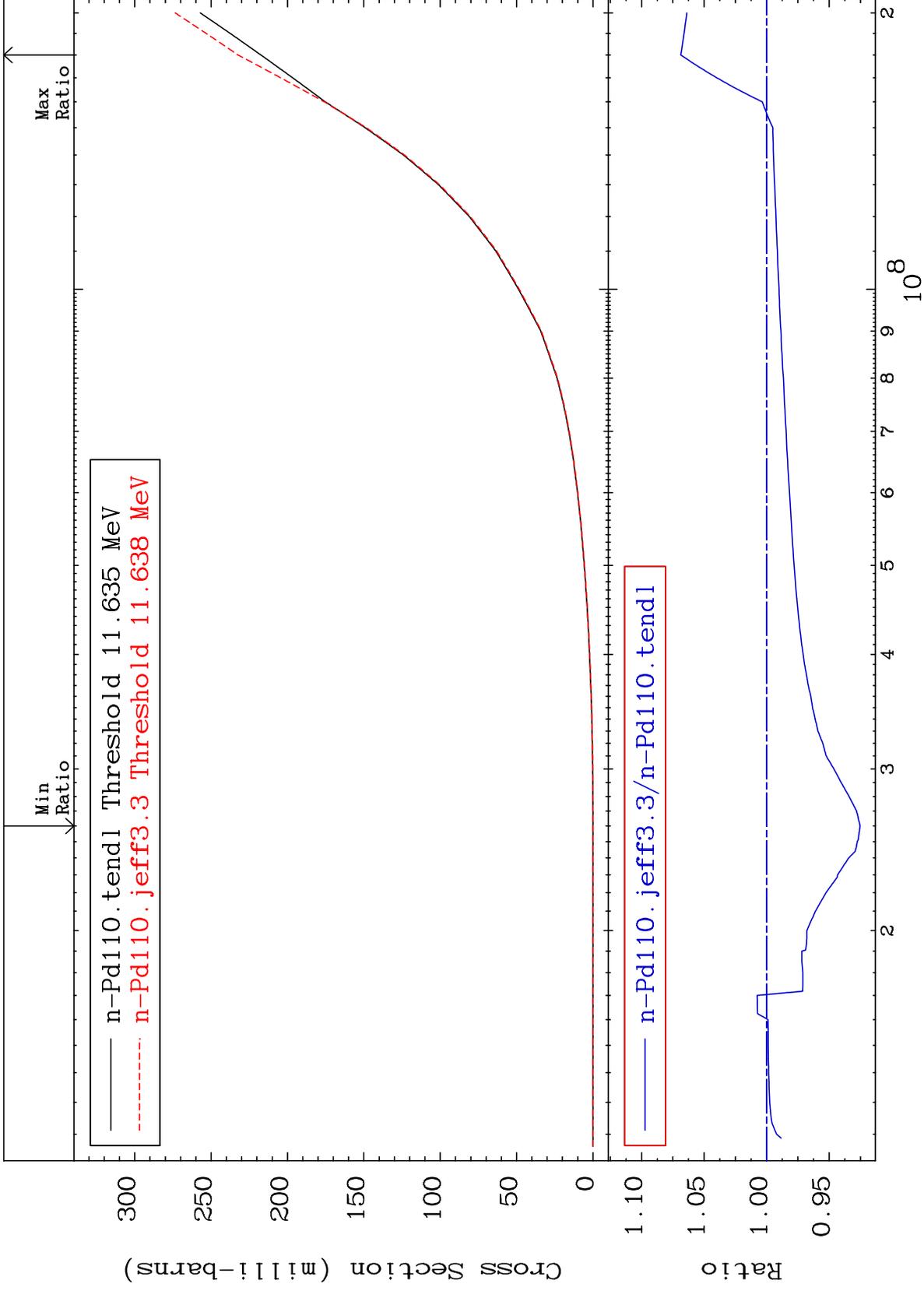
46-Pd-110
-5.870 To 35.19 %



MAT 4649

He-3 Production
Cross Section

46-Pd-110
-7.474 To 6.869 %



61

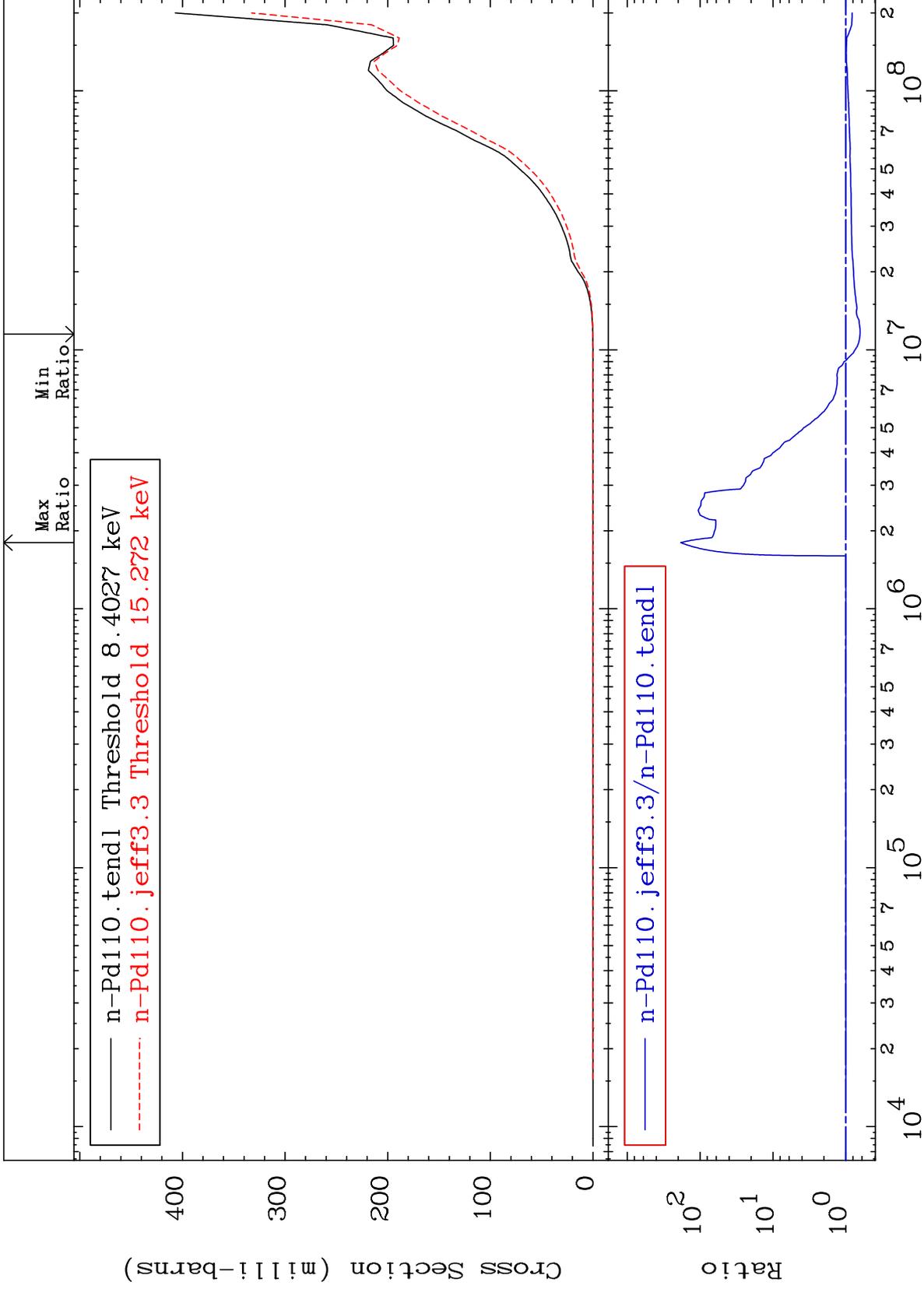
Incident Energy (eV)

46-Pd-110

MAT 4649

He-4 Production
Cross Section

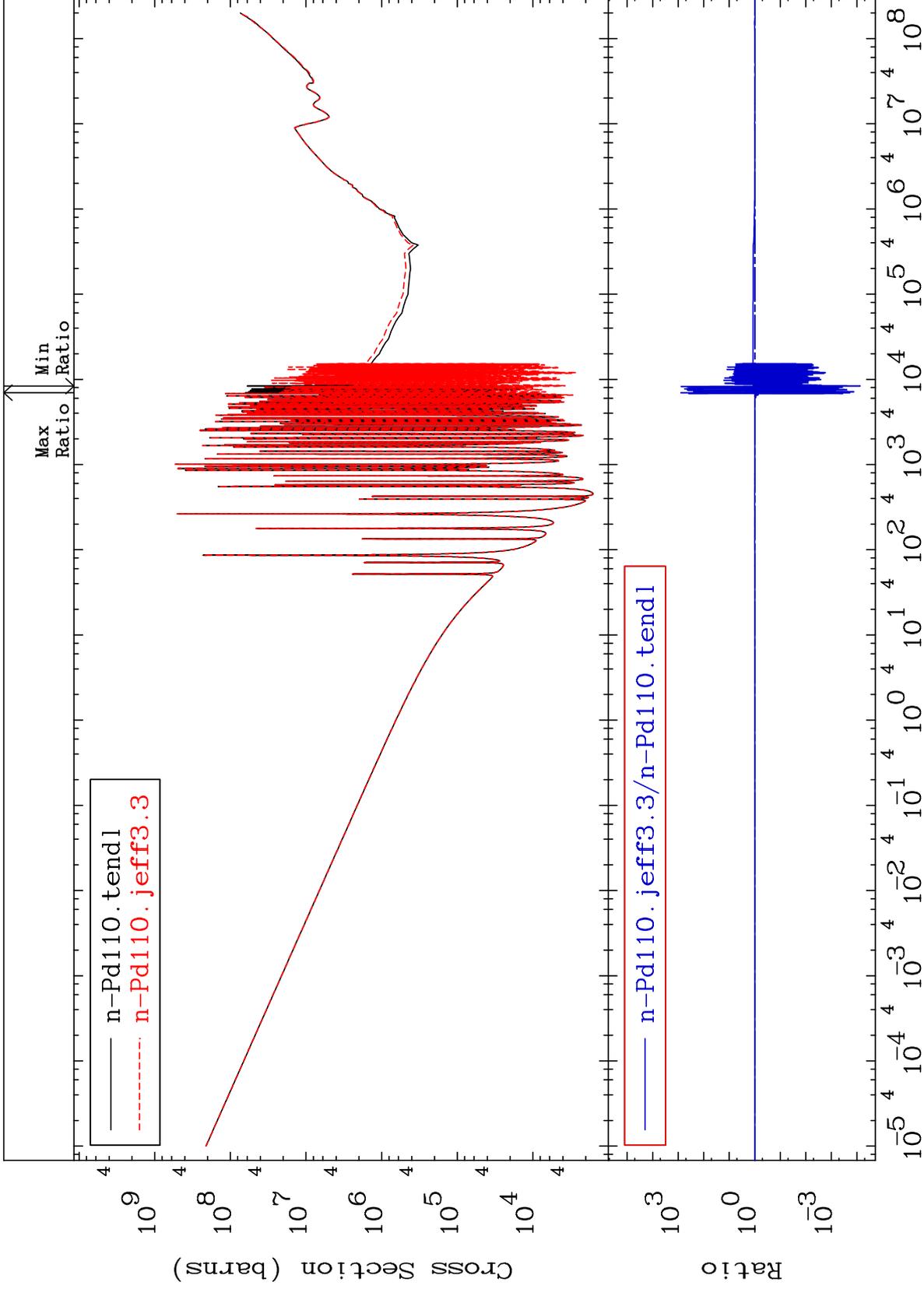
46-Pd-110
-36.25 To 9999. %



62

Incident Energy (eV)

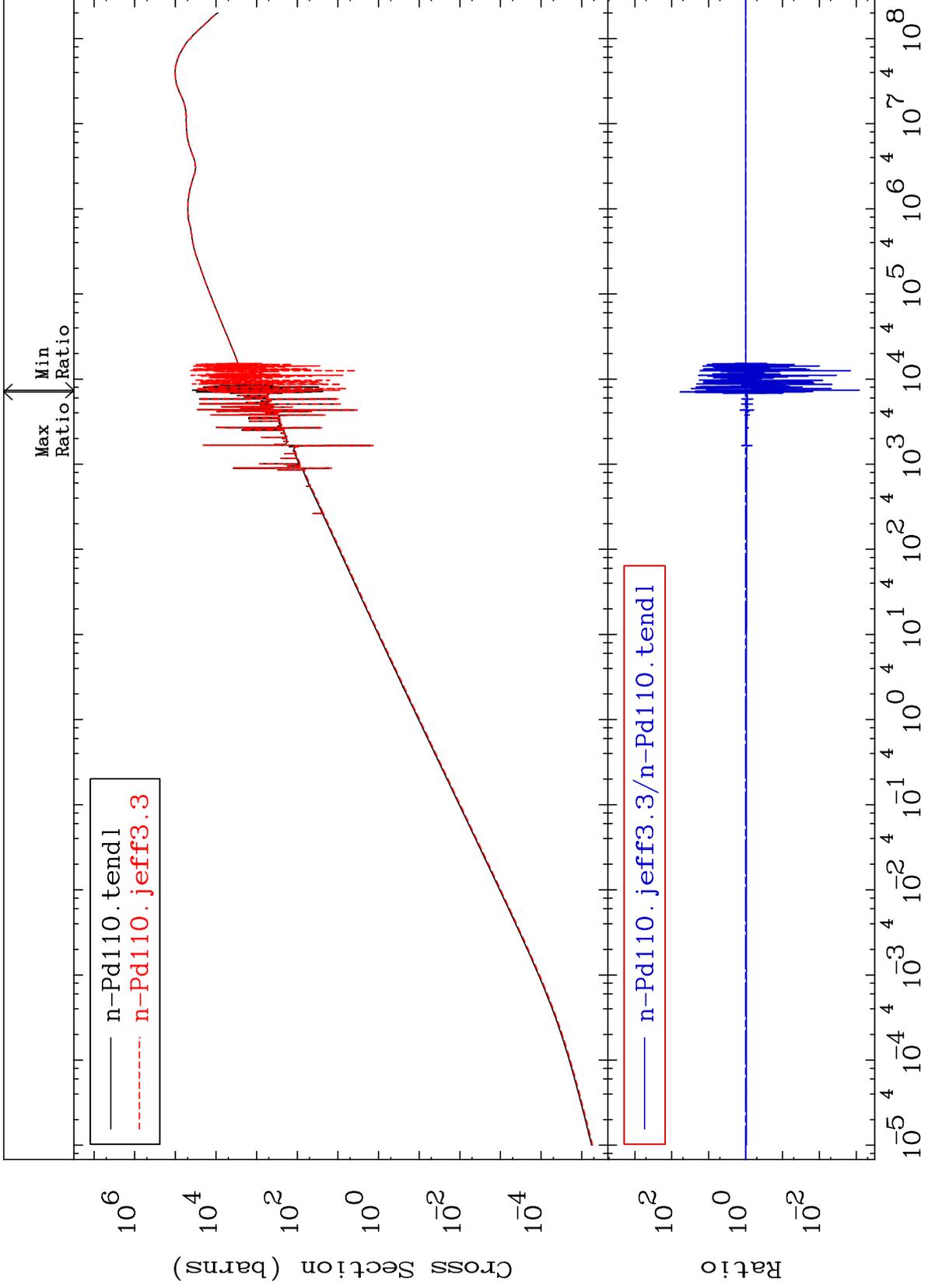
46-Pd-110

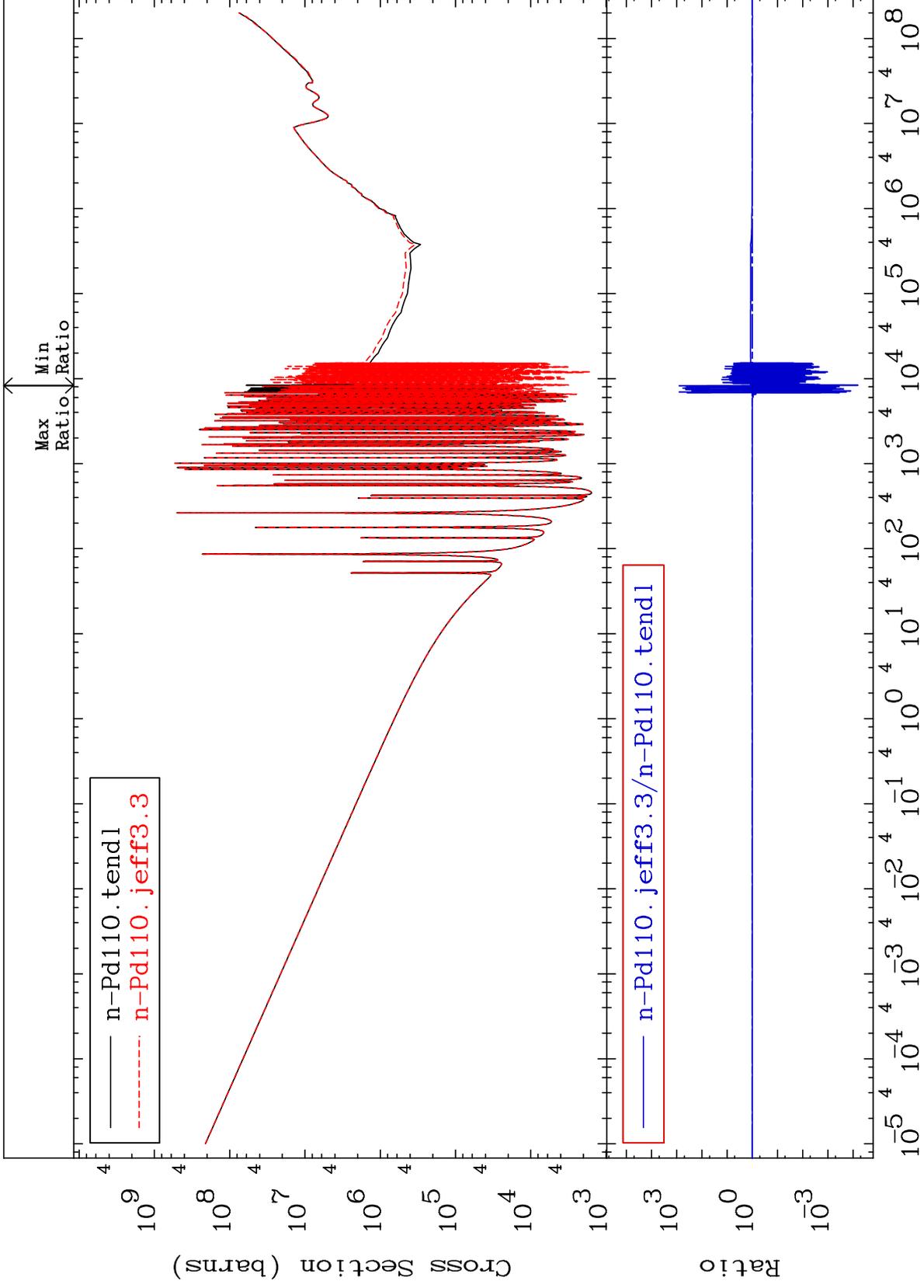


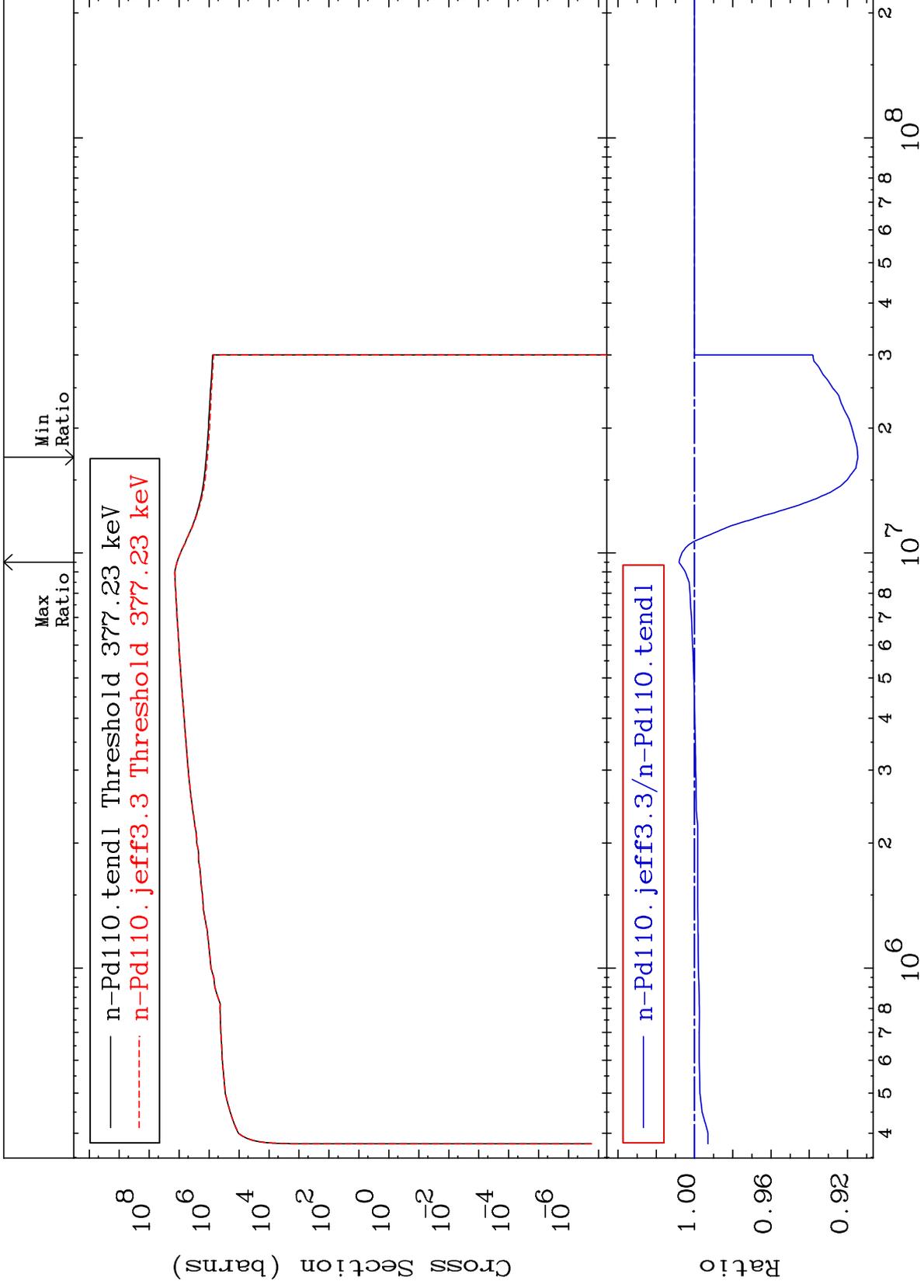
MAT 4649

Kerma elastic
Cross Section

46-Pd-110
-99.92 To 5785. %



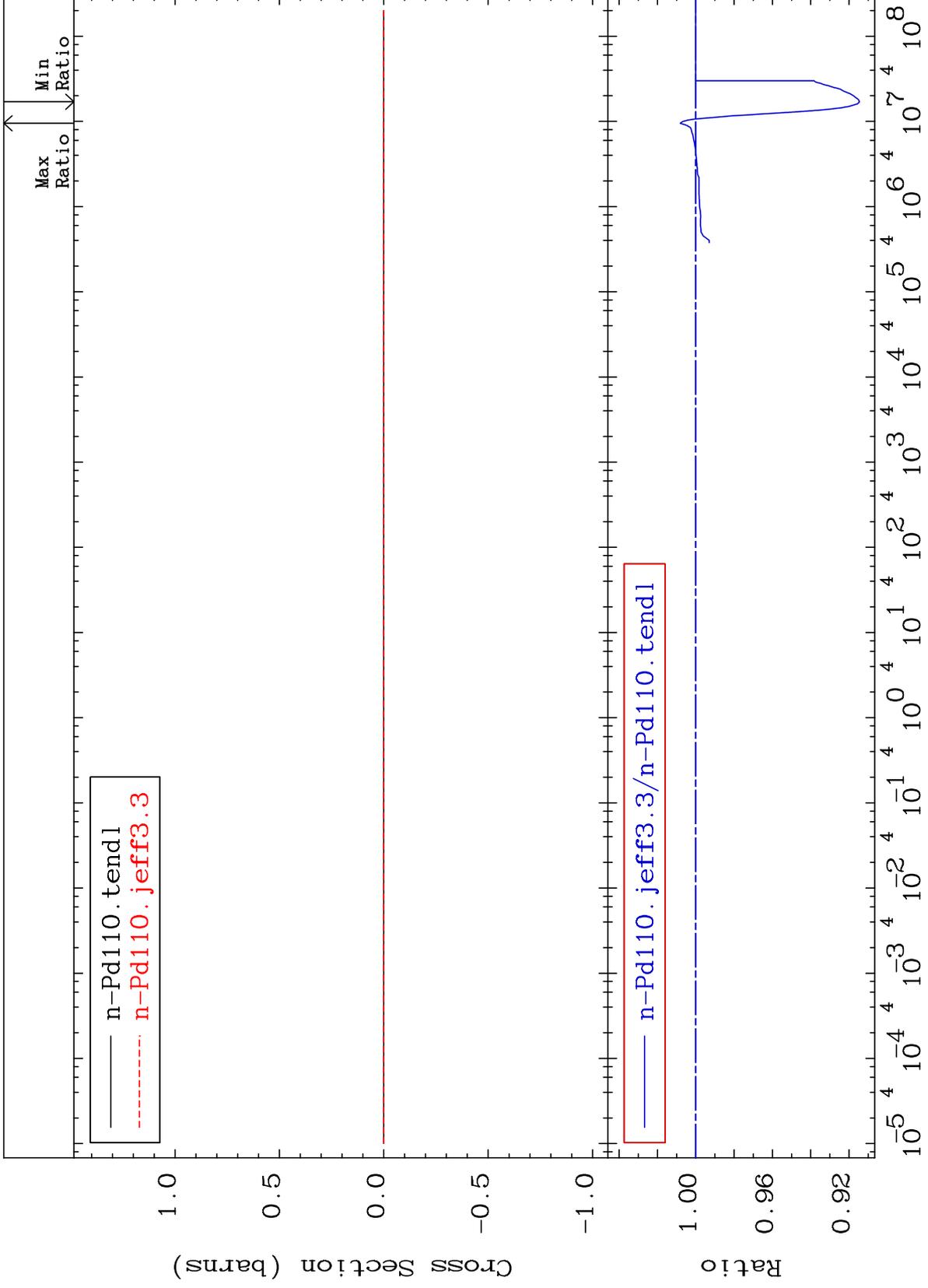




MAT 4649

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

46-Pd-110
-8.546 To 0.809 %



67

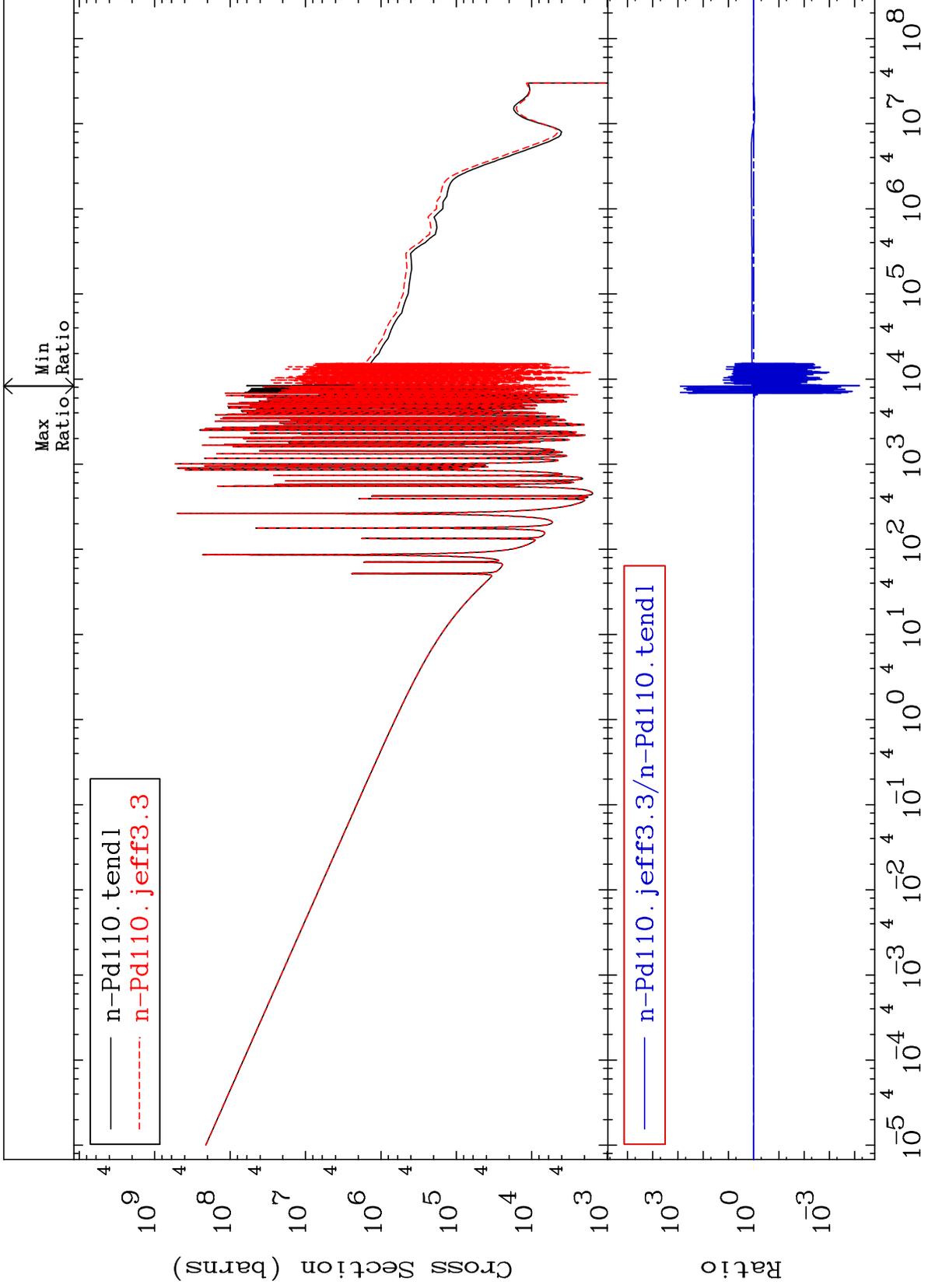
Incident Energy (eV)

46-Pd-110

MAT 4649

Kerma capture (mt102)
Cross Section

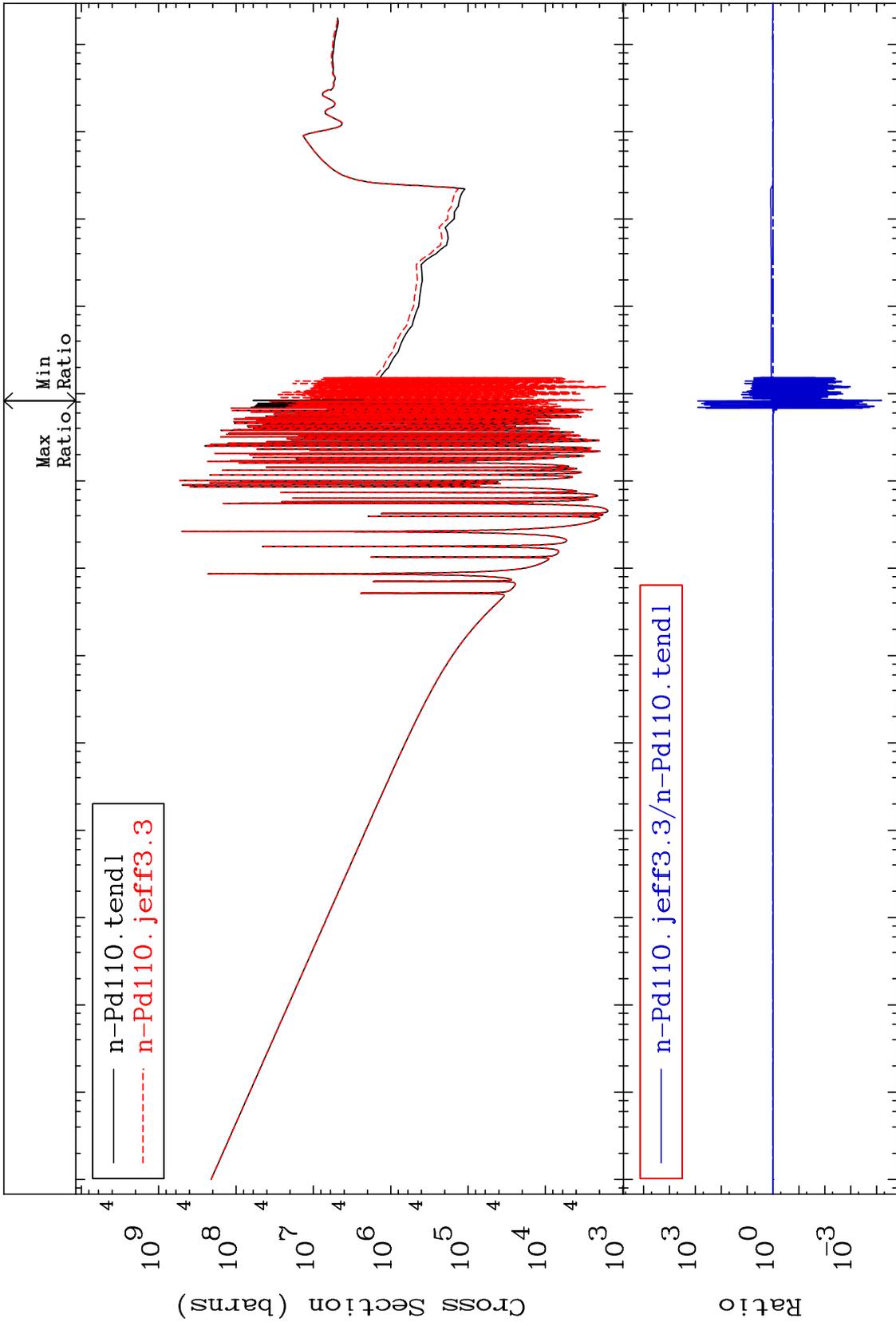
46-Pd-110
-99.99 To 9999. %



MAT 4649

Total photon (eV-barns)
Cross Section

46-Pd-110
-99.99 To 9999. %



69

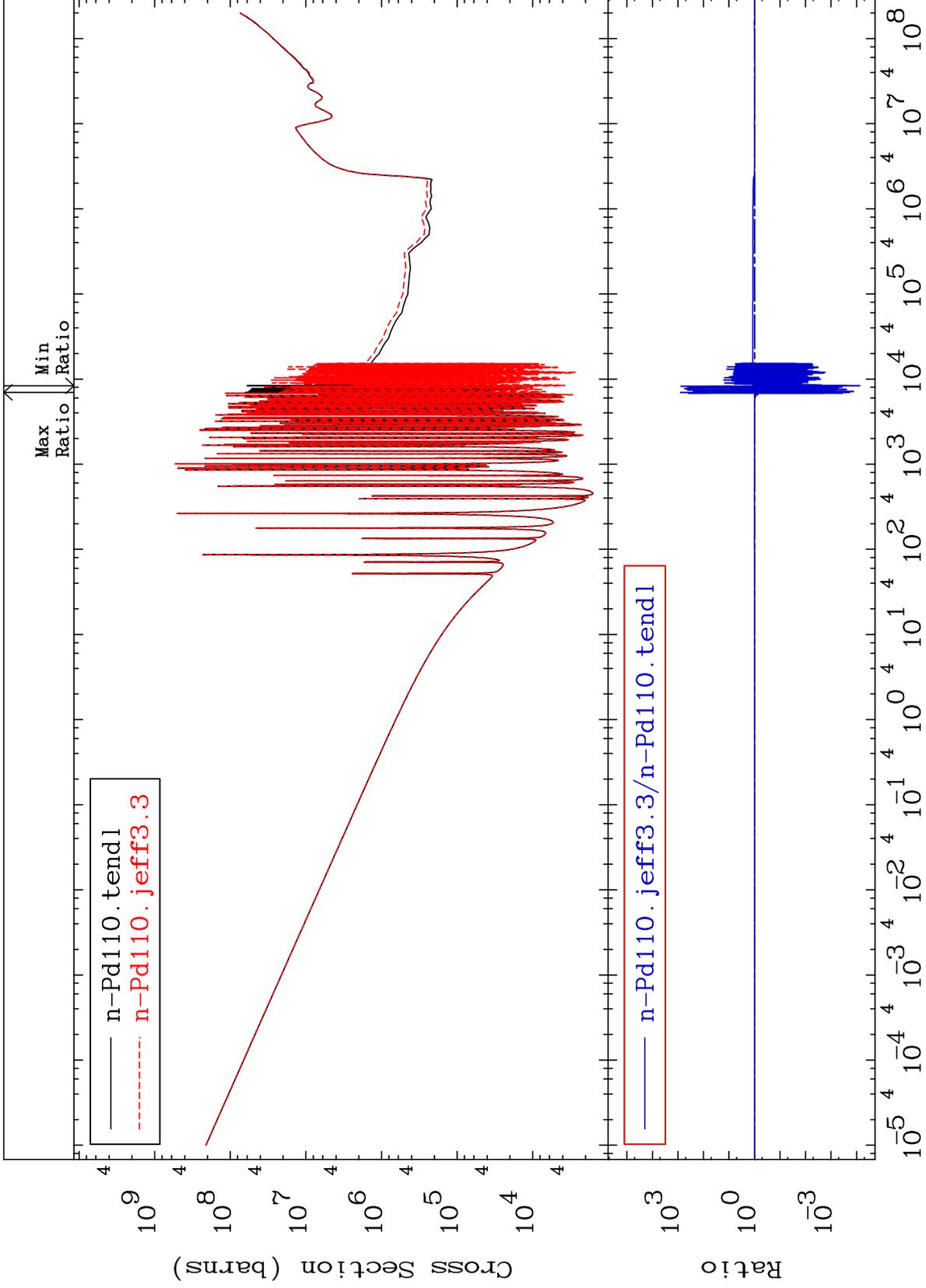
Incident Energy (eV)

46-Pd-110

MAT 4649

Total kinematic kerma (high limit)
Cross Section

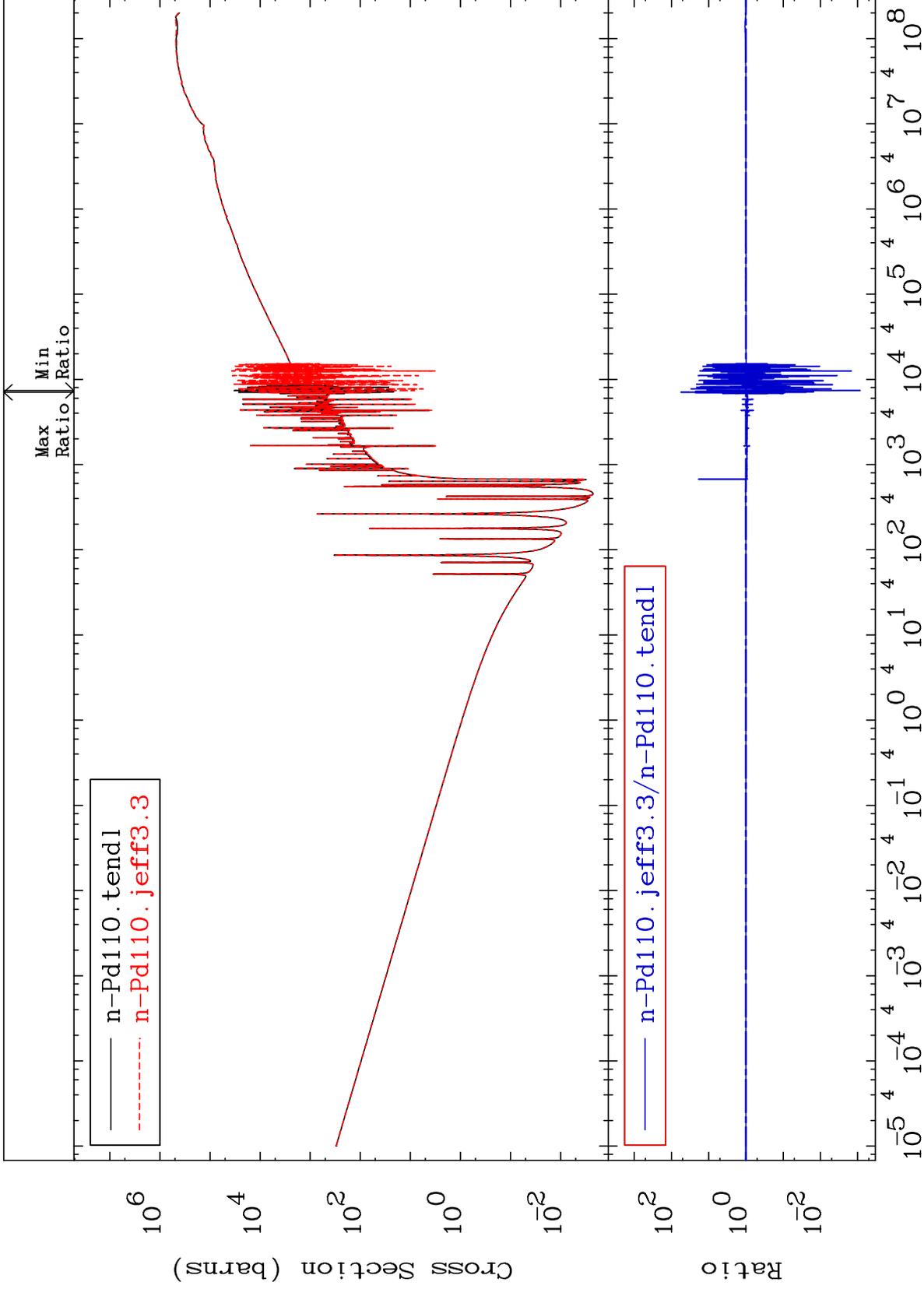
46-Pd-110
-99.99 To 9999. %

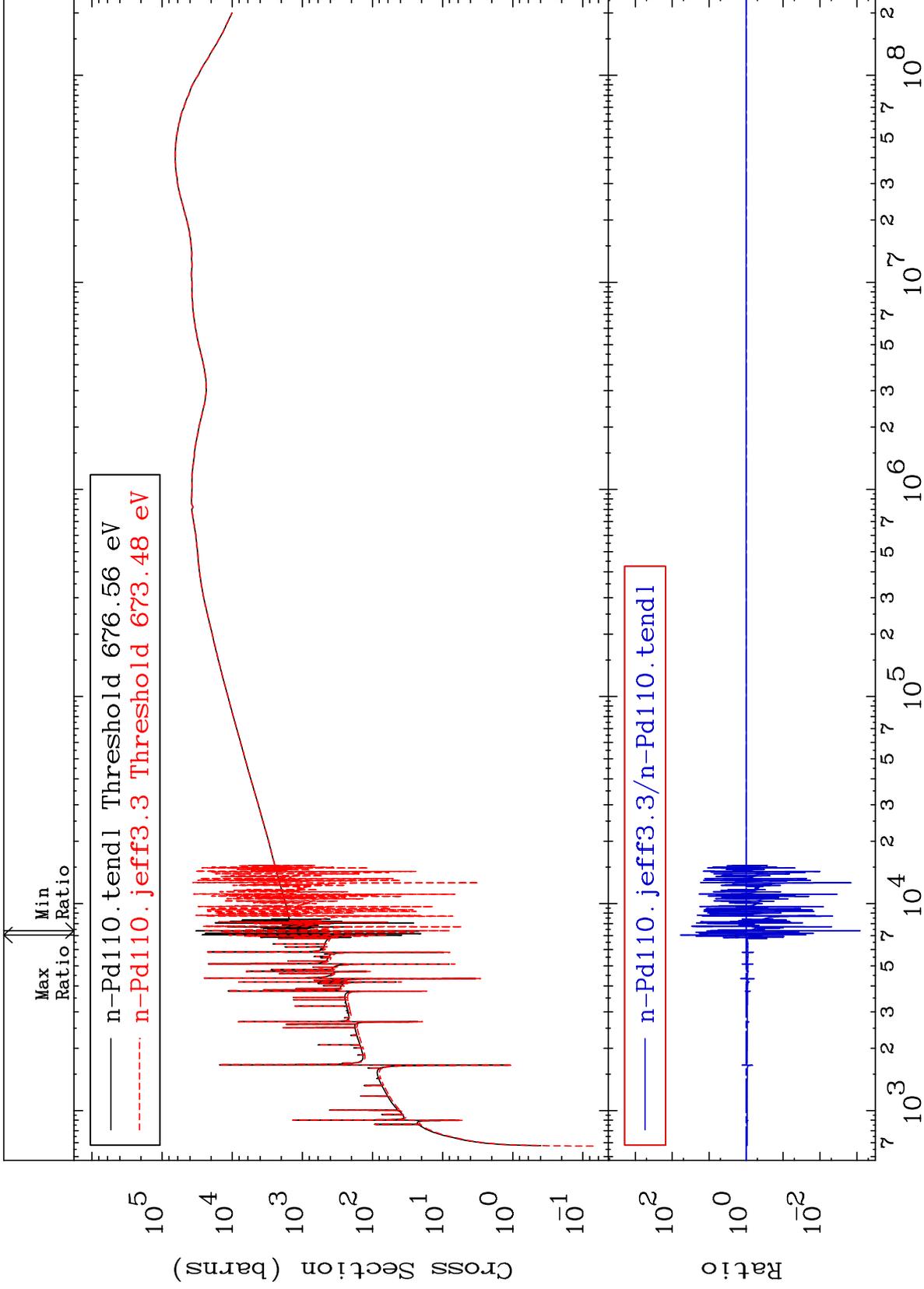


70

Incident Energy (eV)

46-Pd-110

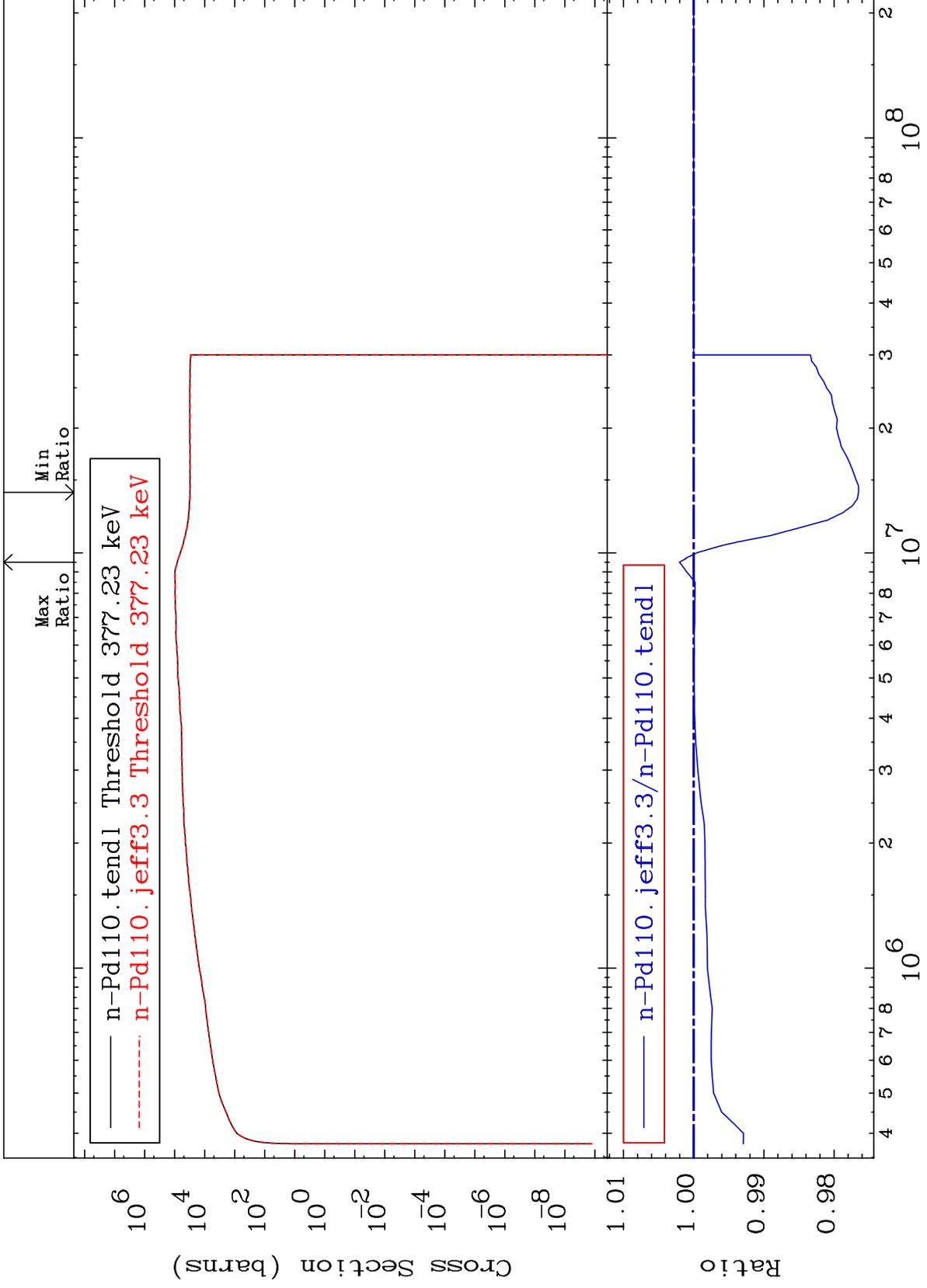


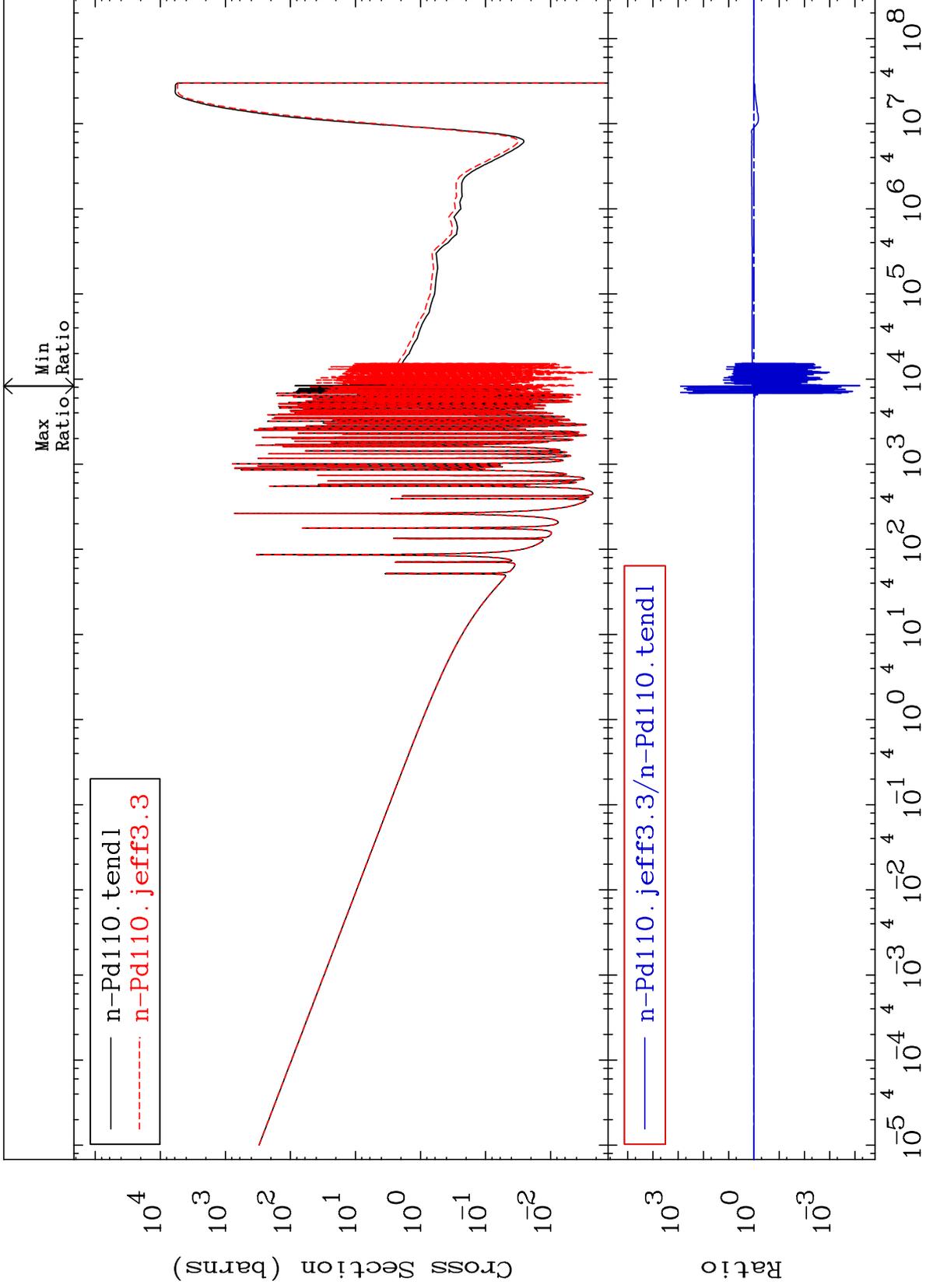


MAT 4649

Dpa inelastic (mt51-91)
Cross Section

46-Pd-110
-2.348 To 0.201 %



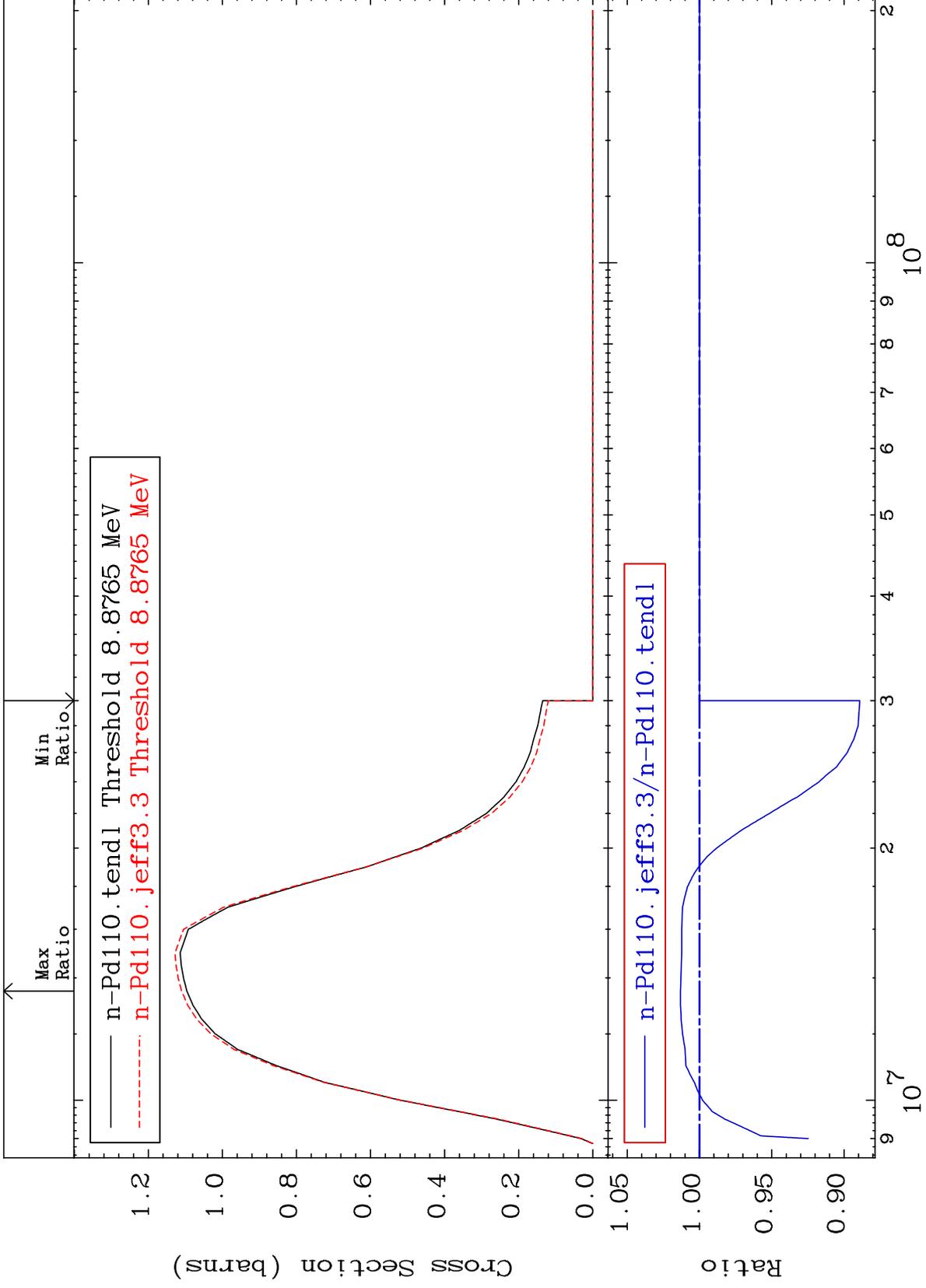


MAT 4649

(n,2n):46-Pd-109g

46-Pd-110

Radionuclide Production Cross Section -11.09 To 1.310 %



75

Incident Energy (eV)

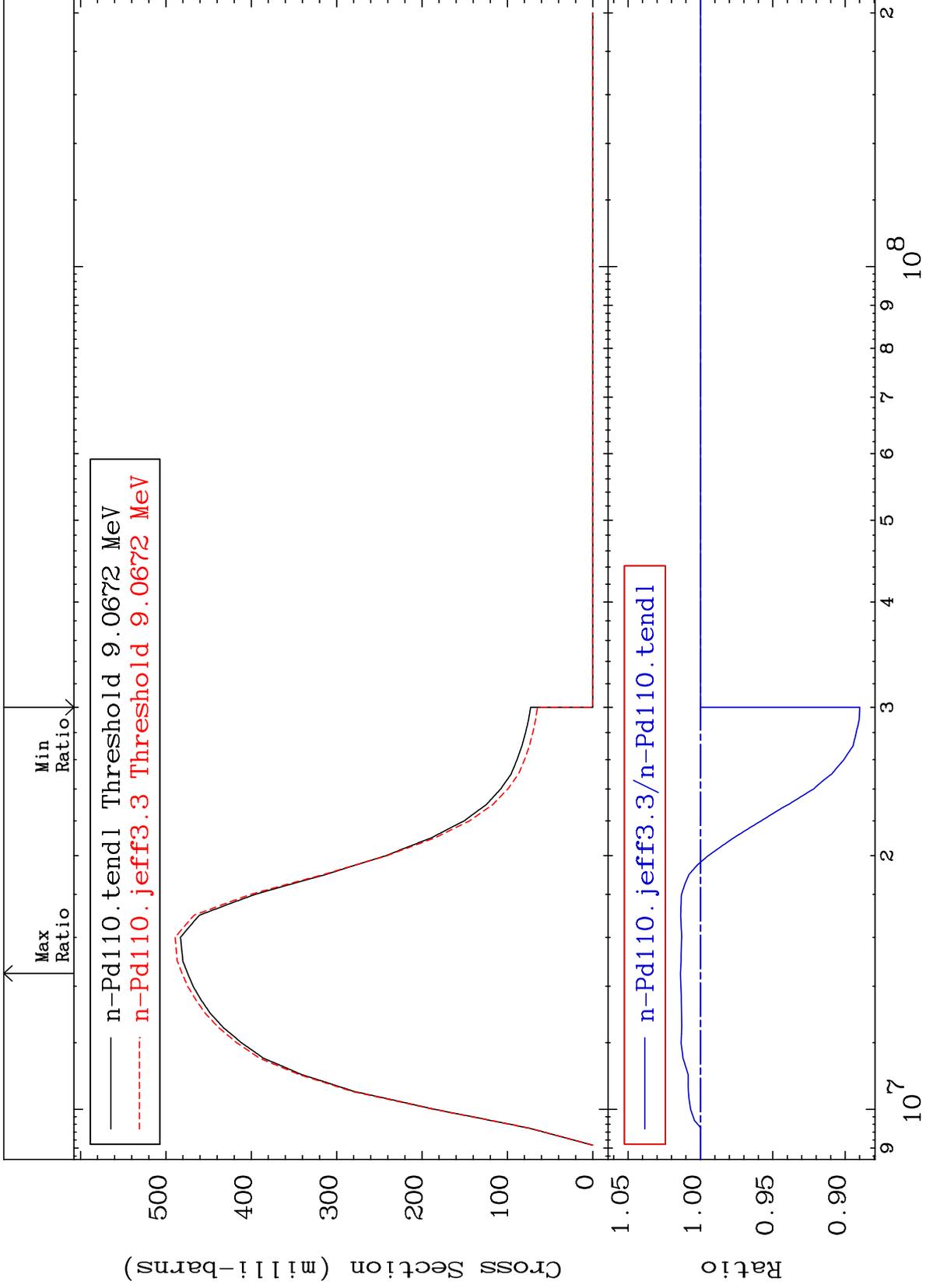
46-Pd-110

MAT 4649

(n,2n): 46-Pd-109m2

46-Pd-110

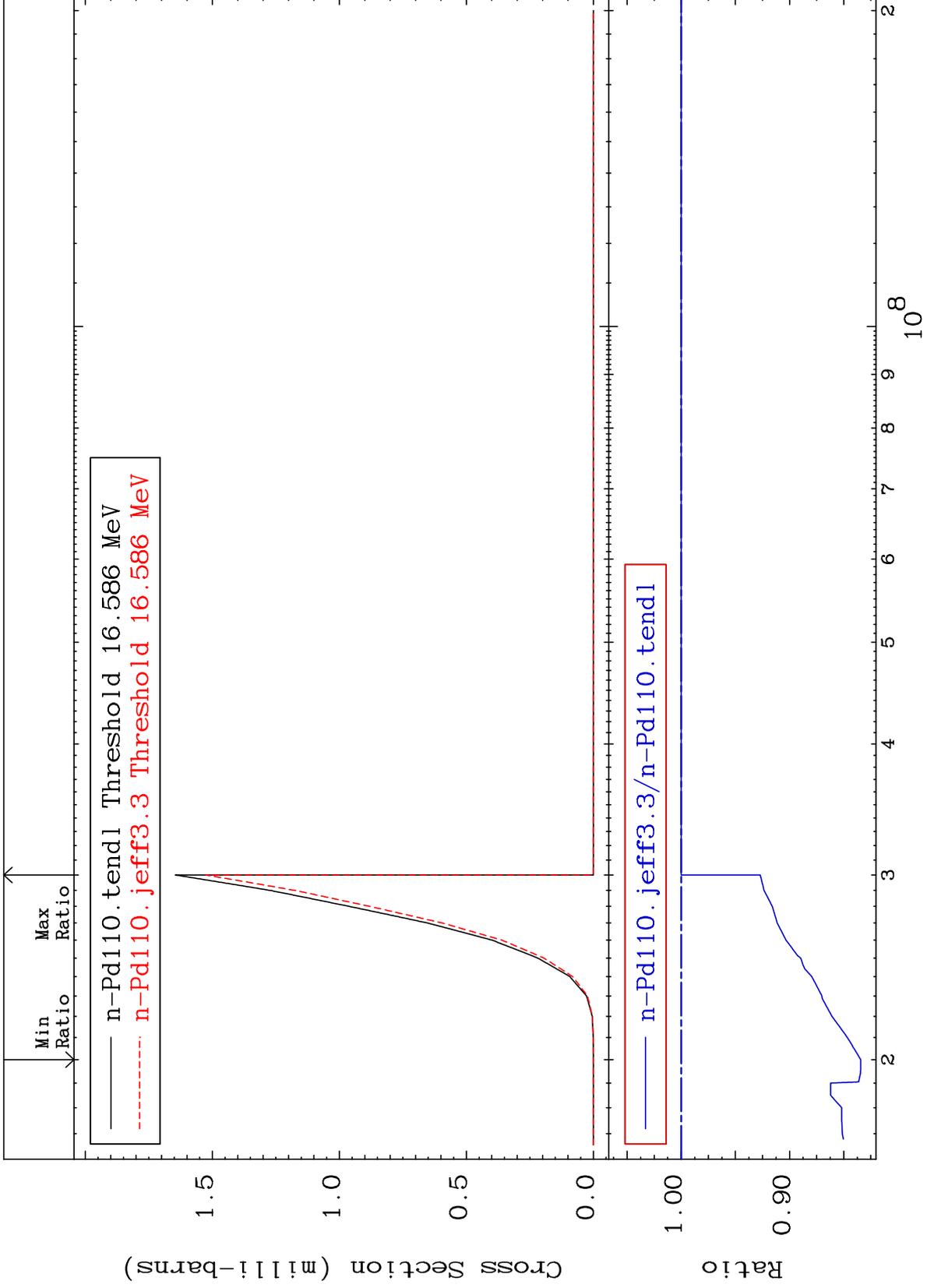
Radionuclide Production Cross Section -11.01 To 1.378 %



76

Incident Energy (eV)

46-Pd-110

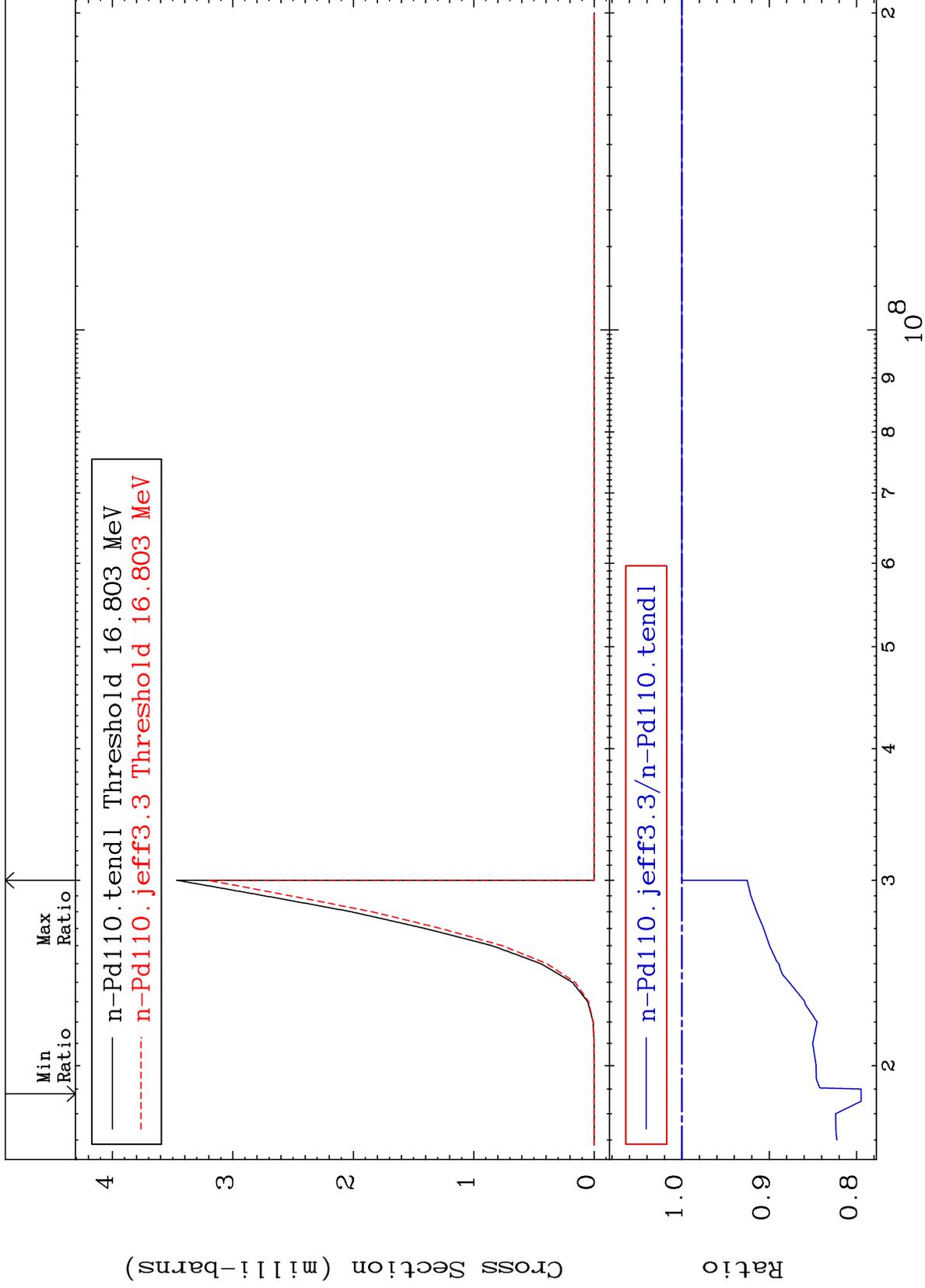


MAT 4649

(n, n') d: 45-Rh-108m4

46-Pd-110

Radionuclide Production Cross Section -20.52 To 0.000 %



78

Incident Energy (eV)

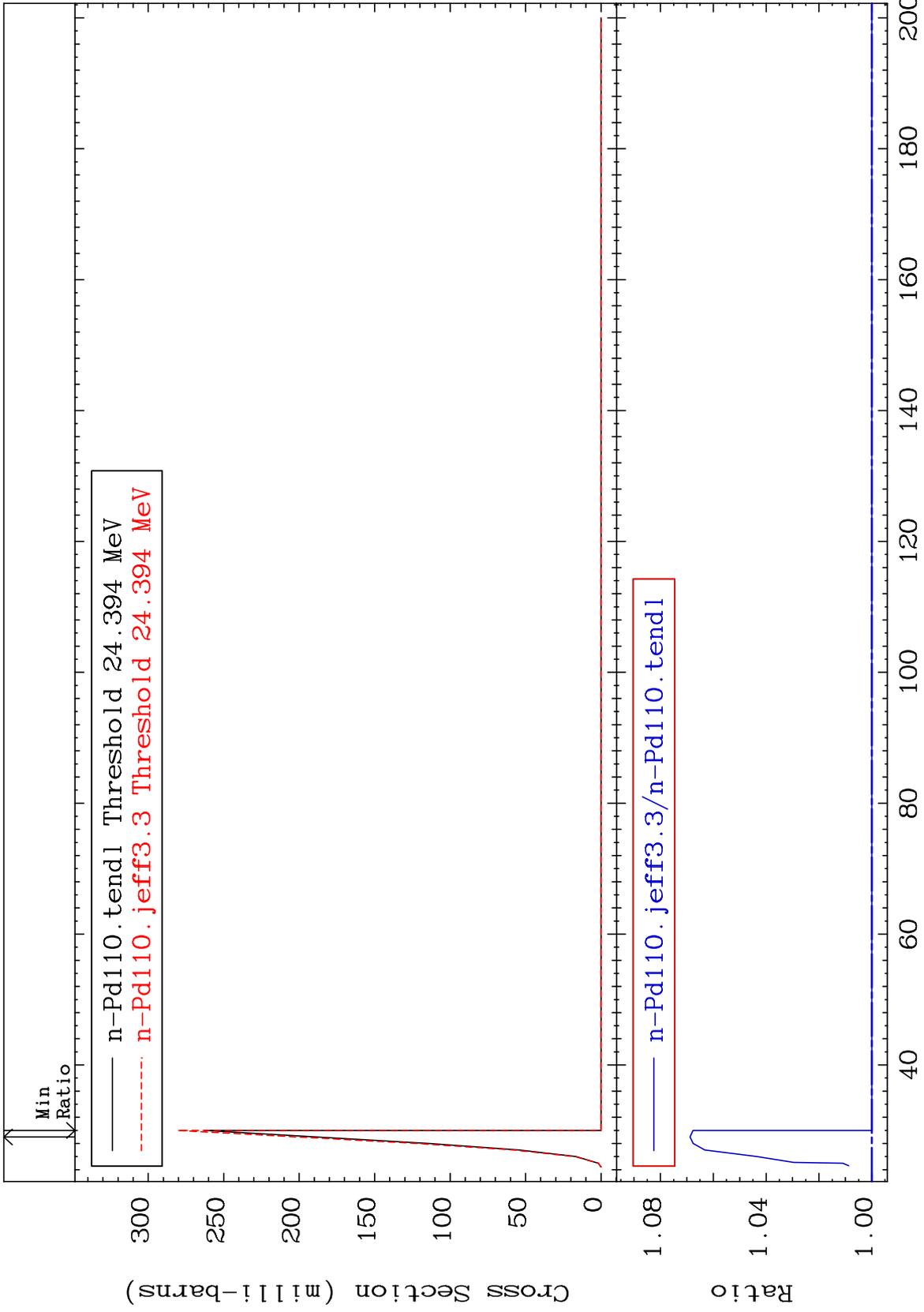
46-Pd-110

MAT 4649

(n, 4n): 46-Pd-107g

46-Pd-110

Radionuclide Production Cross Section 0.000 To 6.878 %



79

Incident Energy (MeV)

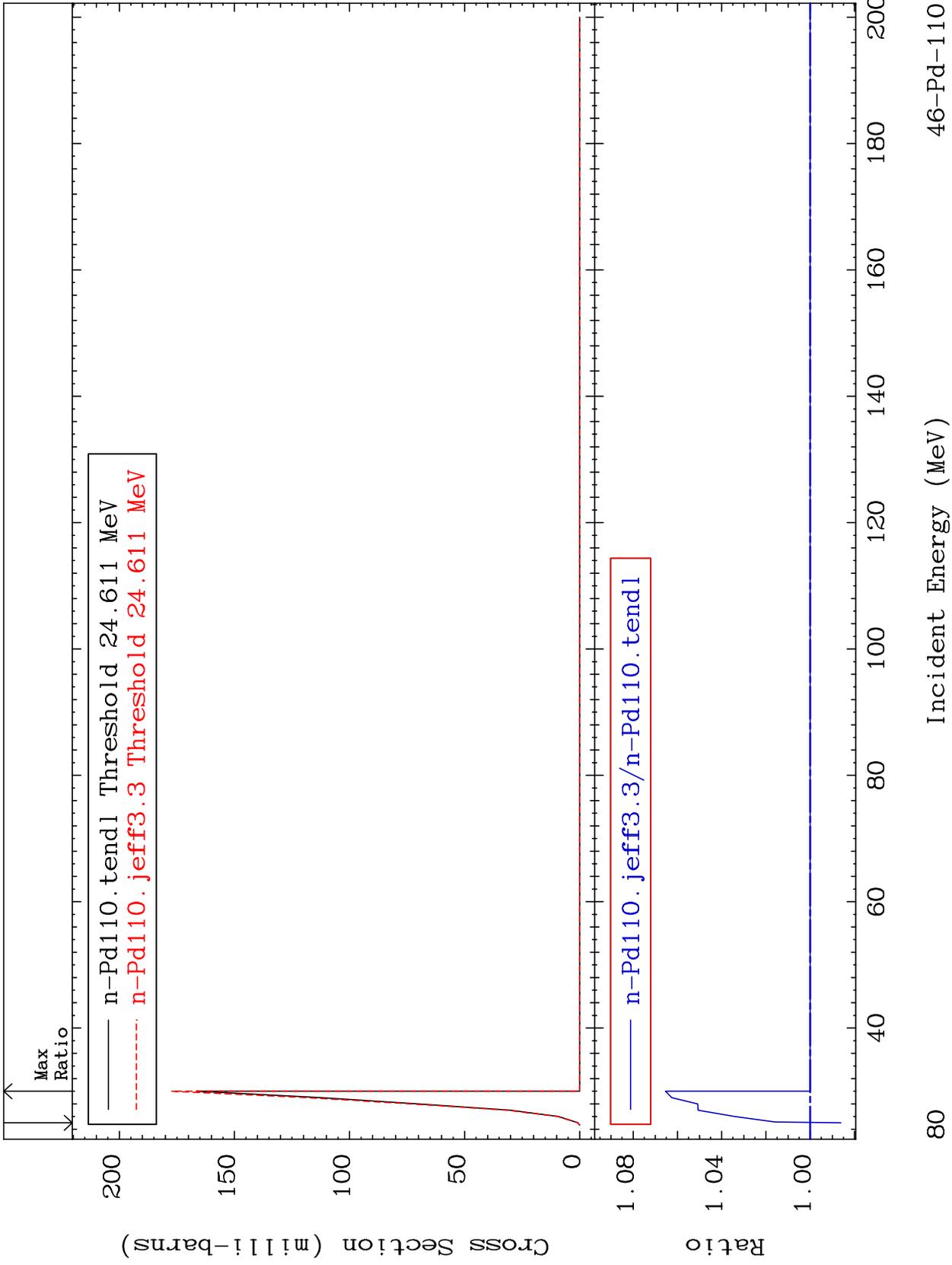
46-Pd-110

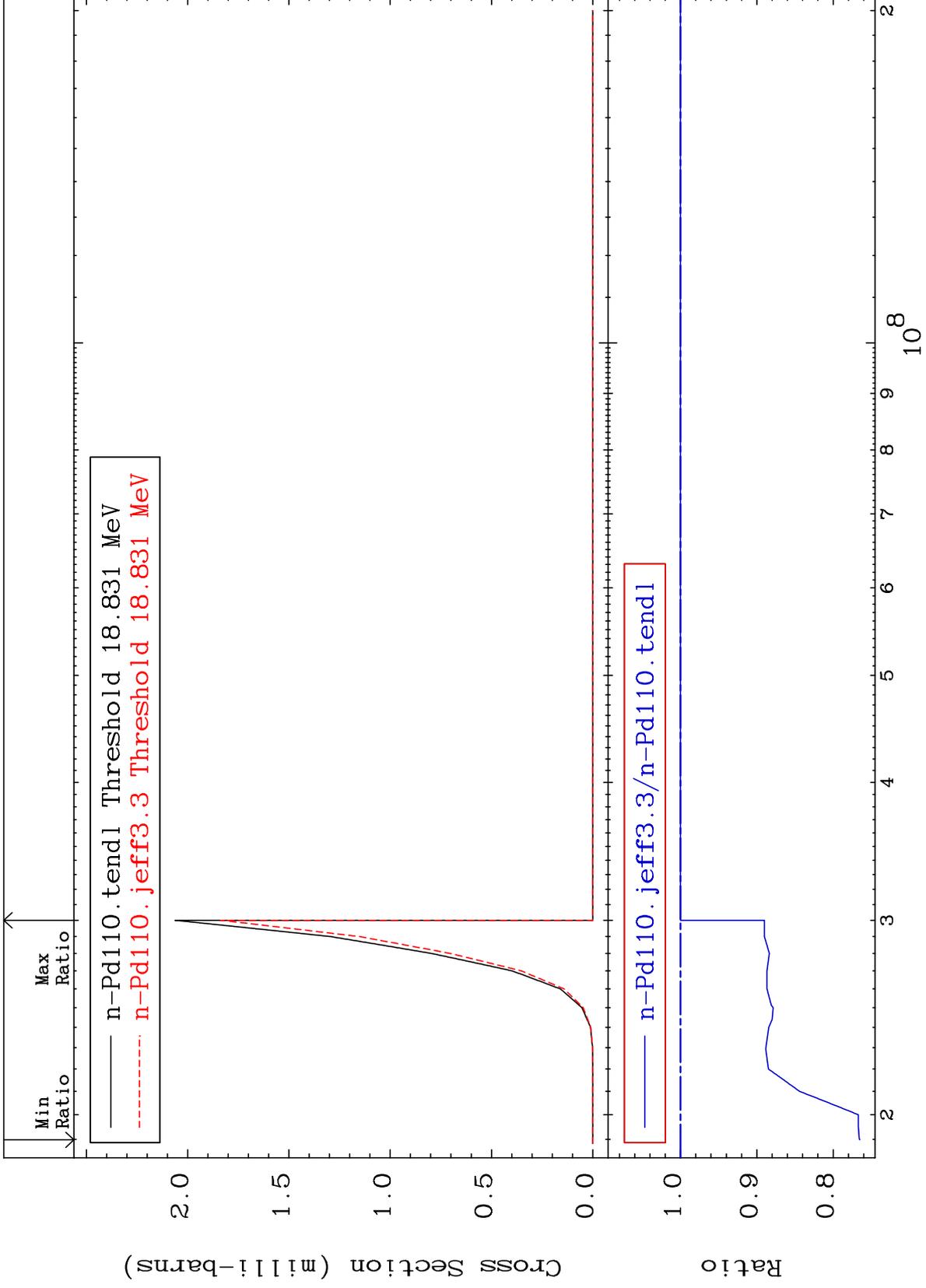
MAT 4649

(n, 4n) : 46-Pd-107m2

46-Pd-110

Radionuclide Production Cross Section -1.381 To 6.538 %



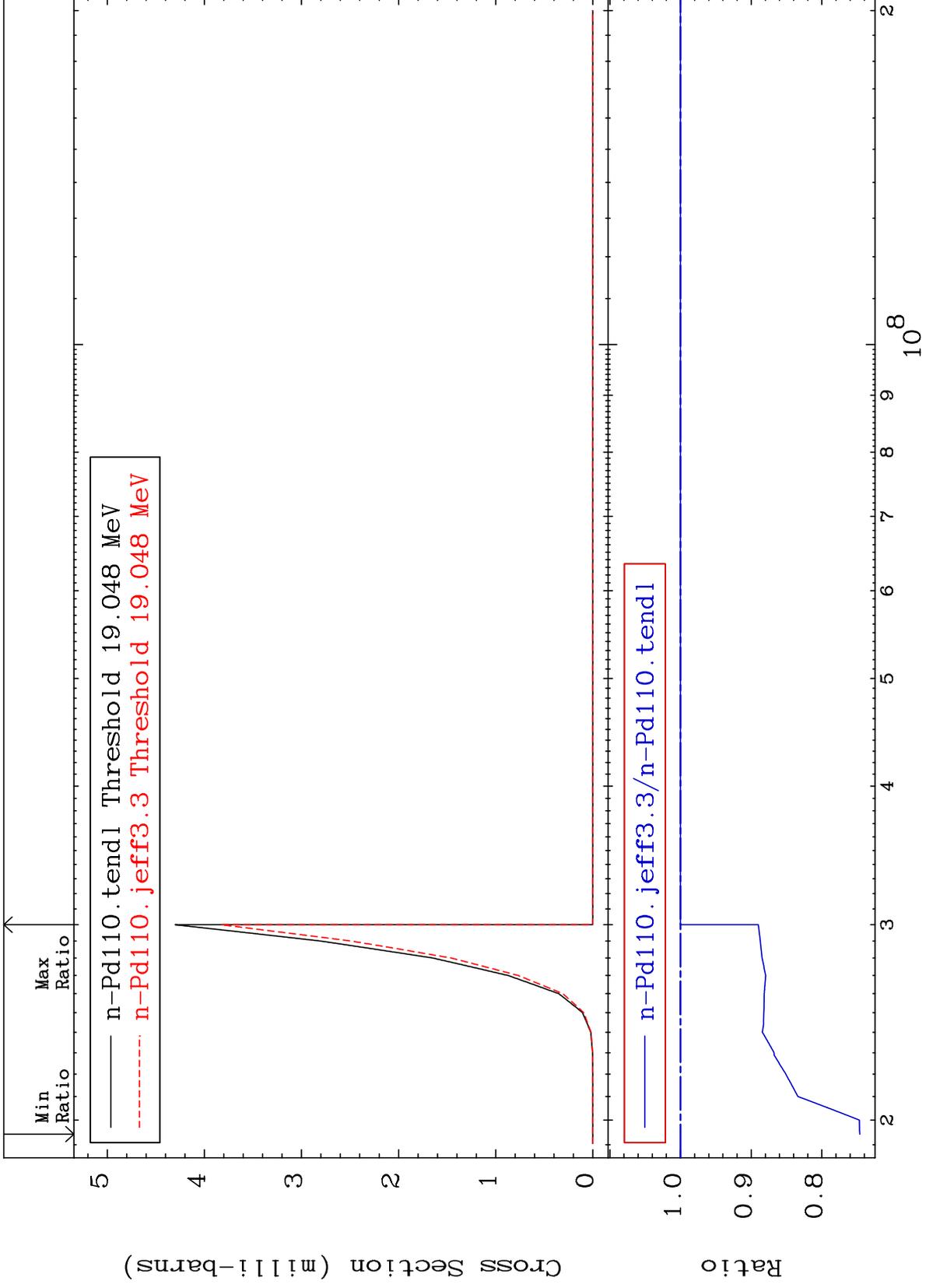


MAT 4649

(n,2n) p:45-Rh-108m4

46-Pd-110

Radionuclide Production Cross Section -25.36 To 0.000 %

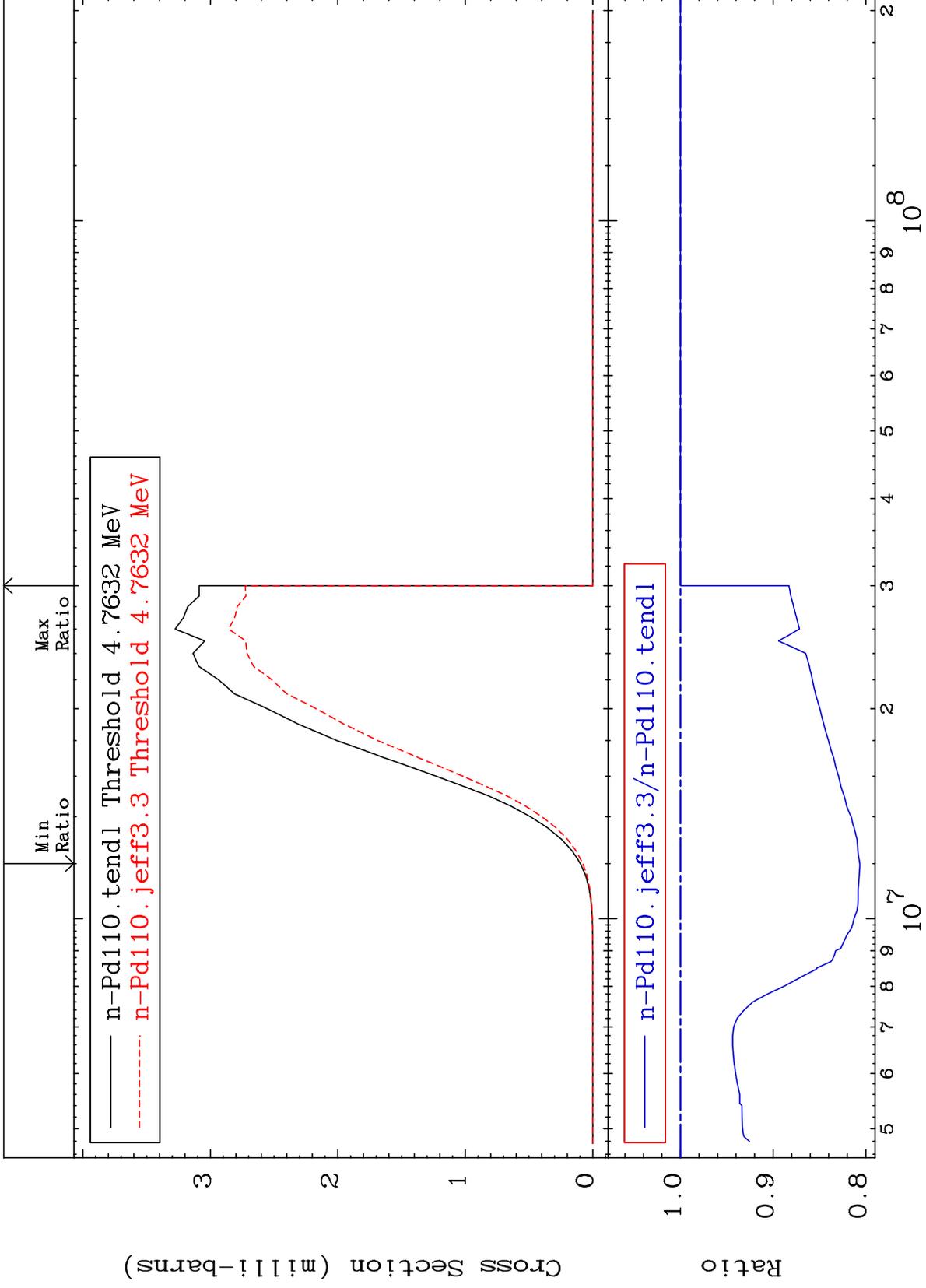


MAT 4649

(n, p) : 45-Rh-110g

46-Pd-110

Radionuclide Production Cross Section -19.35 To 0.000 %



83

Incident Energy (eV)

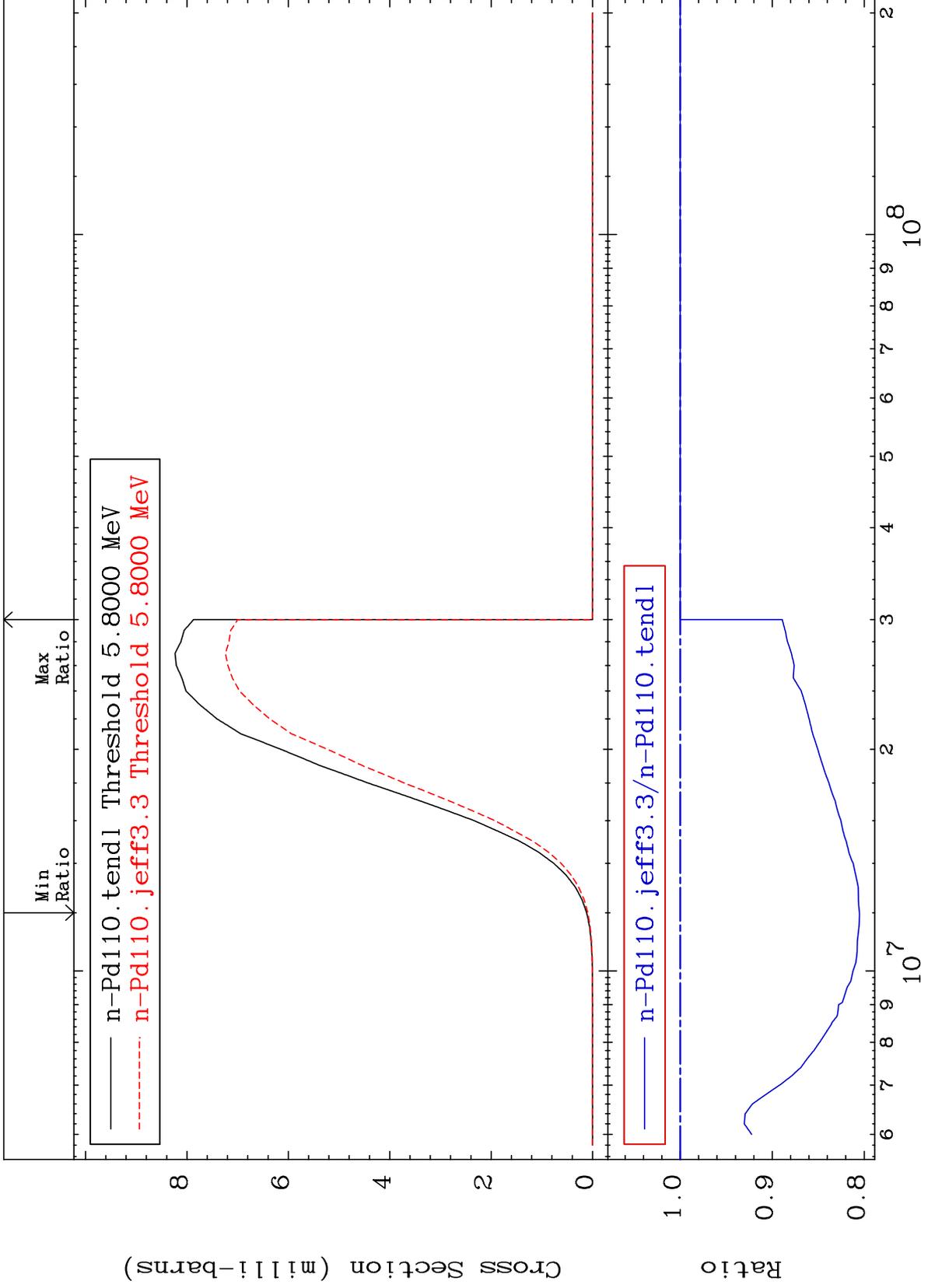
46-Pd-110

MAT 4649

(n, p) : 45-Rh-110m6

46-Pd-110

Radionuclide Production Cross Section -19.49 To 0.000 %

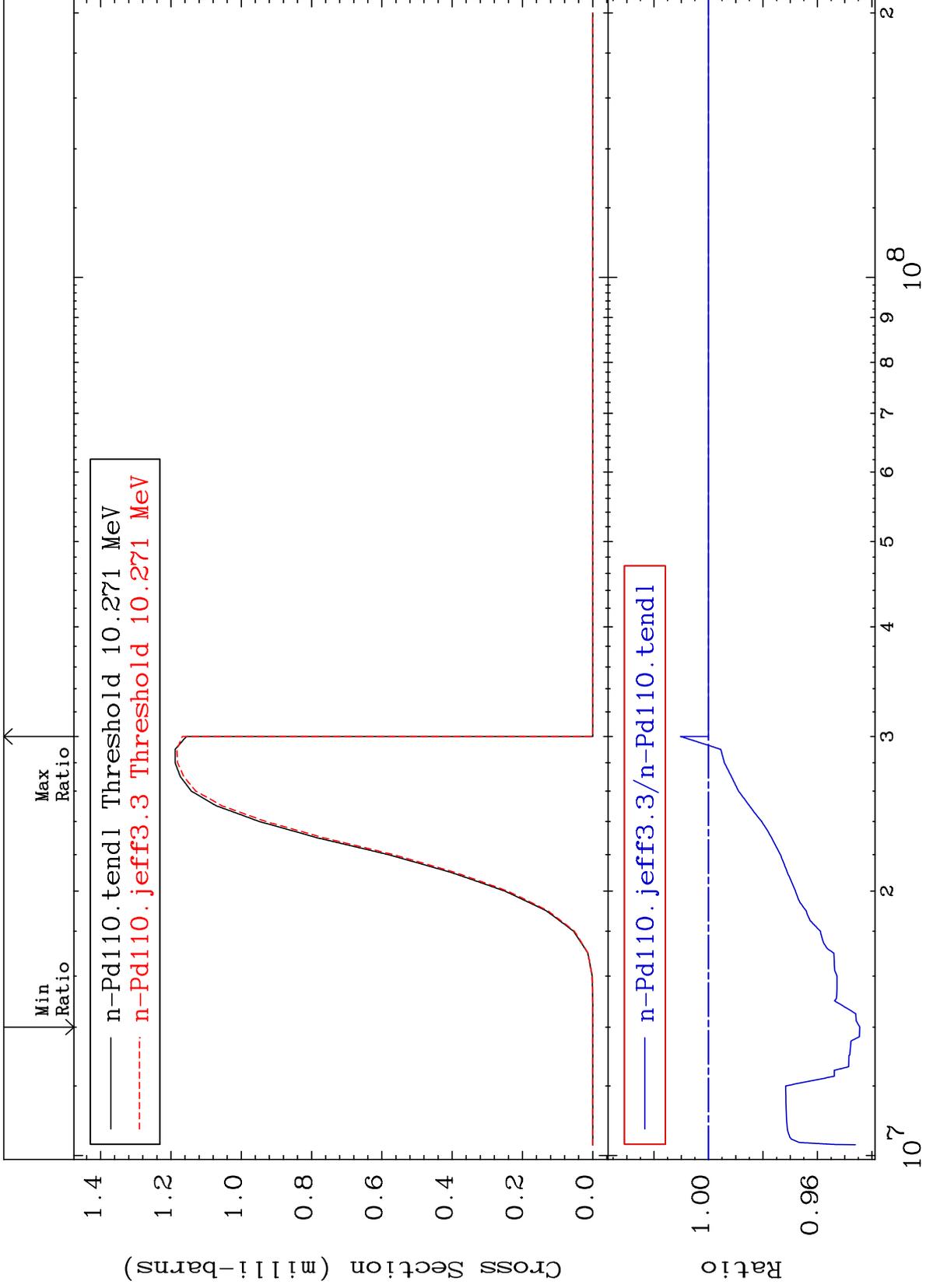


MAT 4649

(n, t) : 45-Rh-108g

46-Pd-110

Radionuclide Production Cross Section -5.553 To 1.026 %



85

Incident Energy (eV)

46-Pd-110

Radionuclide Production Cross Section -7.391 To 0.200 %

