

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

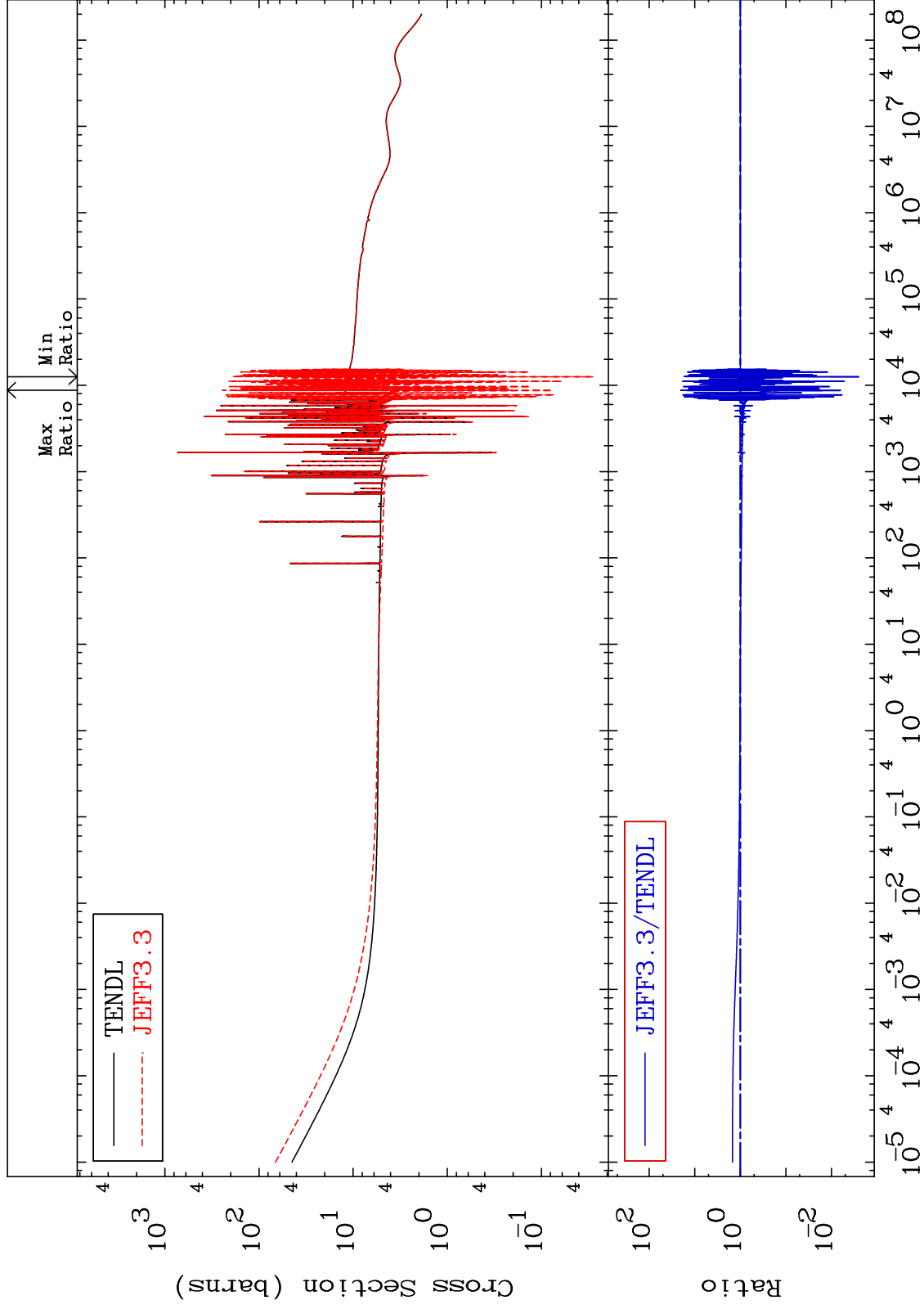
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 4649

Total  
Cross Section

46-Pd-110  
-99.75 To 1936. %



Incident Energy (eV)

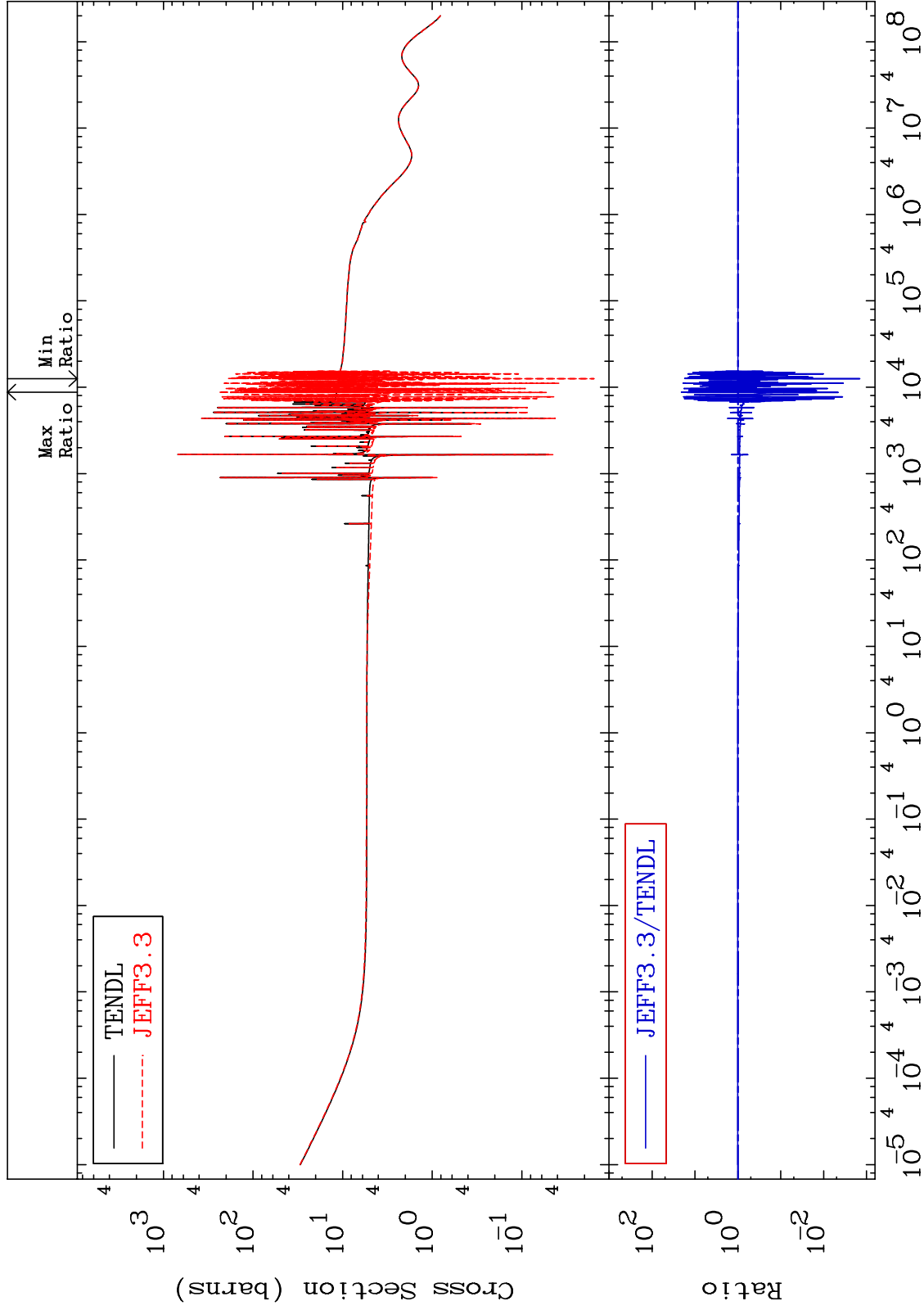
46-Pd-110

1

MAT 4649

Elastic  
Cross Section

46-Pd-110  
-99.86 To 1992. %

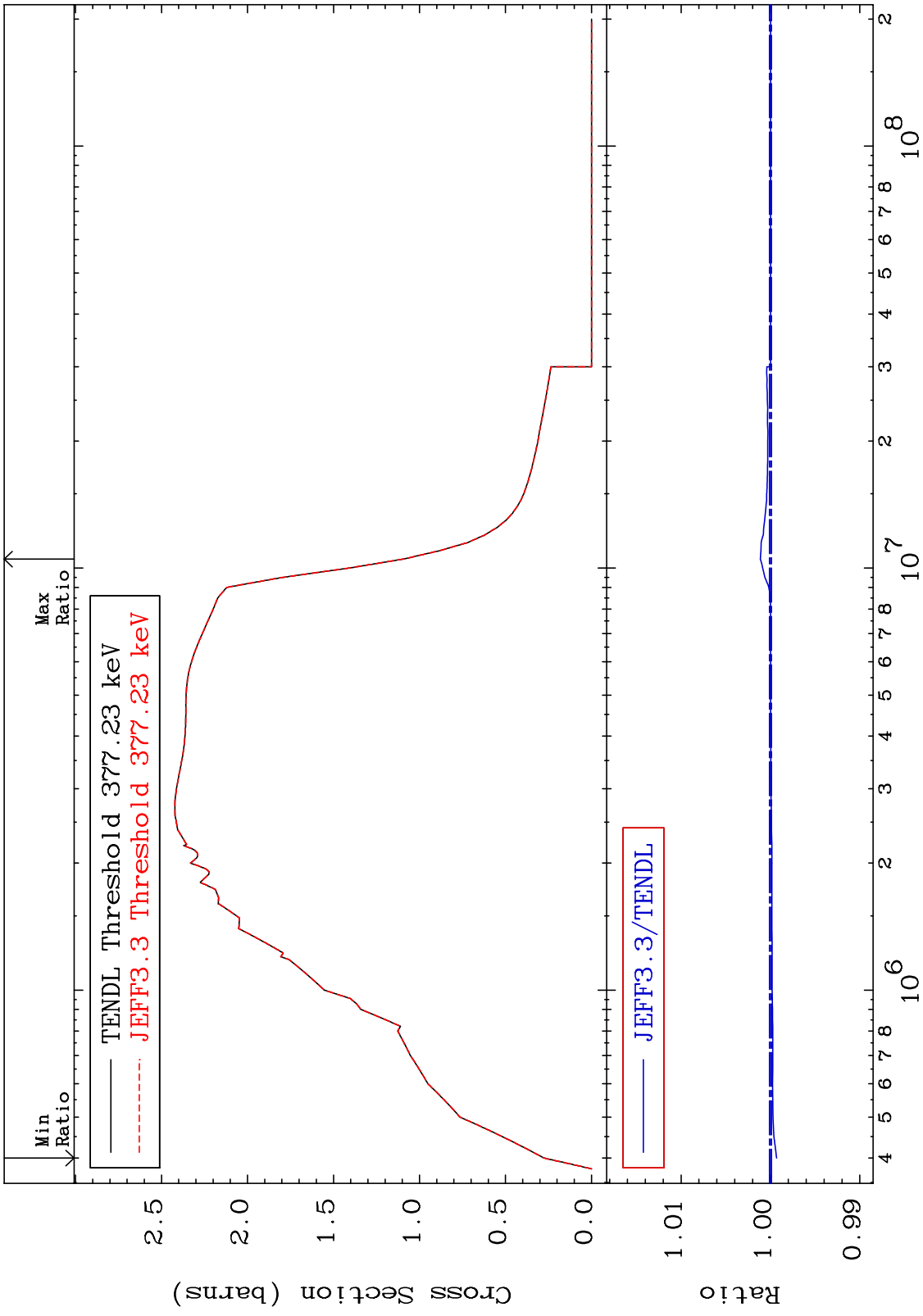


2

Incident Energy (eV)

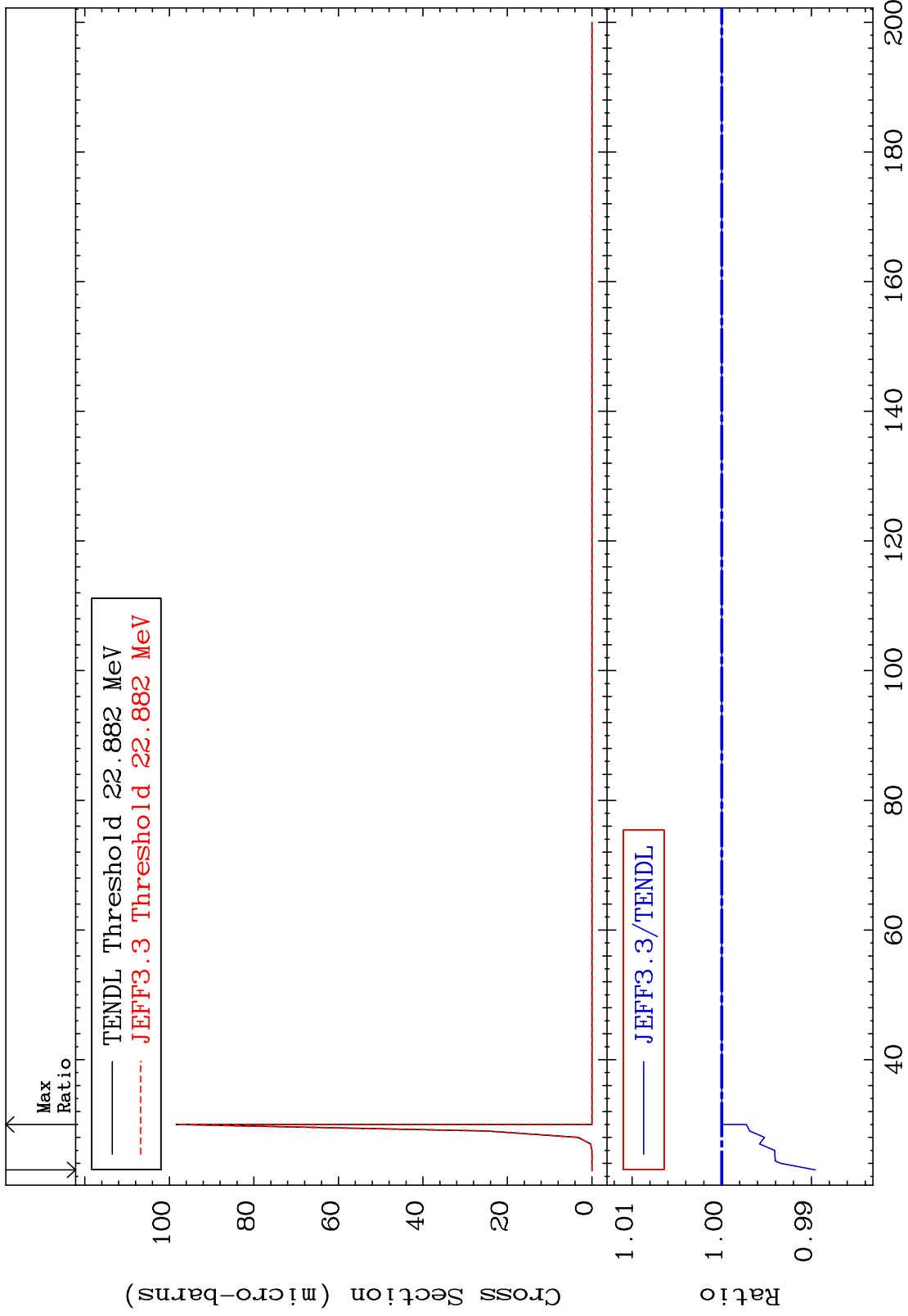
46-Pd-110

MAT 4649 Inelastic Cross Section 46-Pd-110 -0.068 To 0.114 %



3 Incident Energy (eV) 46-Pd-110

MAT 4649 (n,2n) d 46-Pd-110  
Cross Section -1.043 To 0.000 %



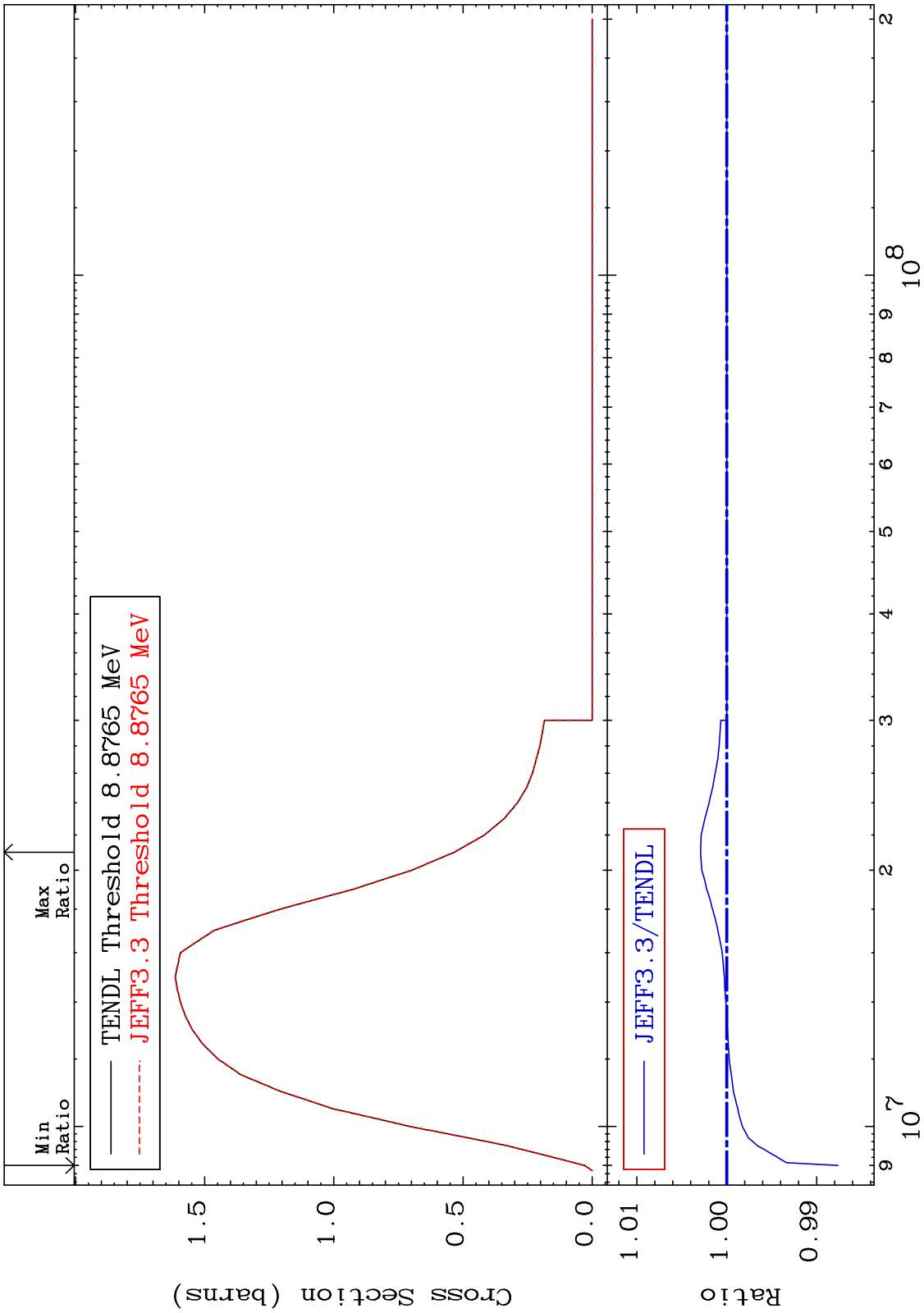
MAT 4649

(n,2n)

46-Pd-110

Cross Section

-1.238 To 0.291 %

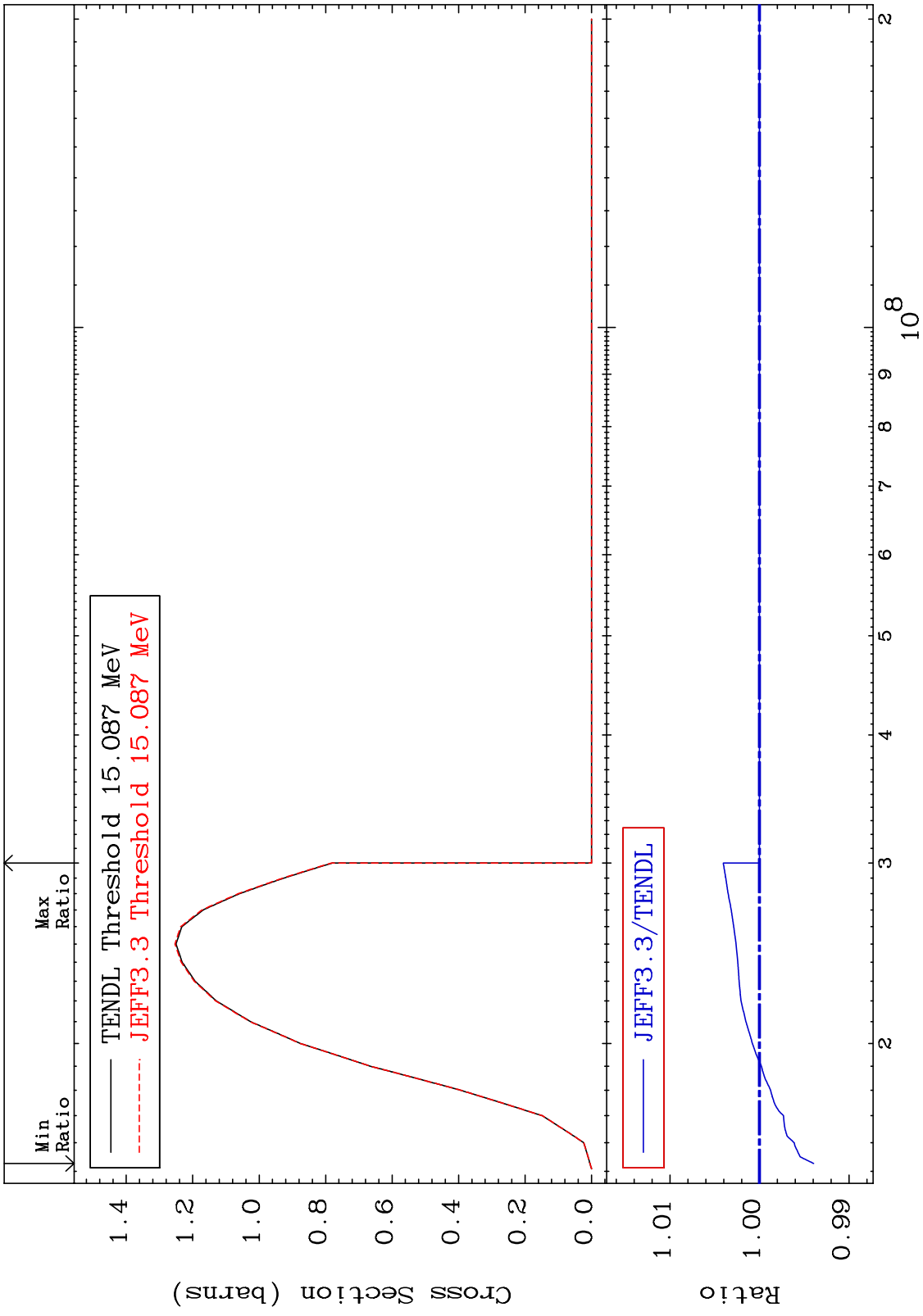


5

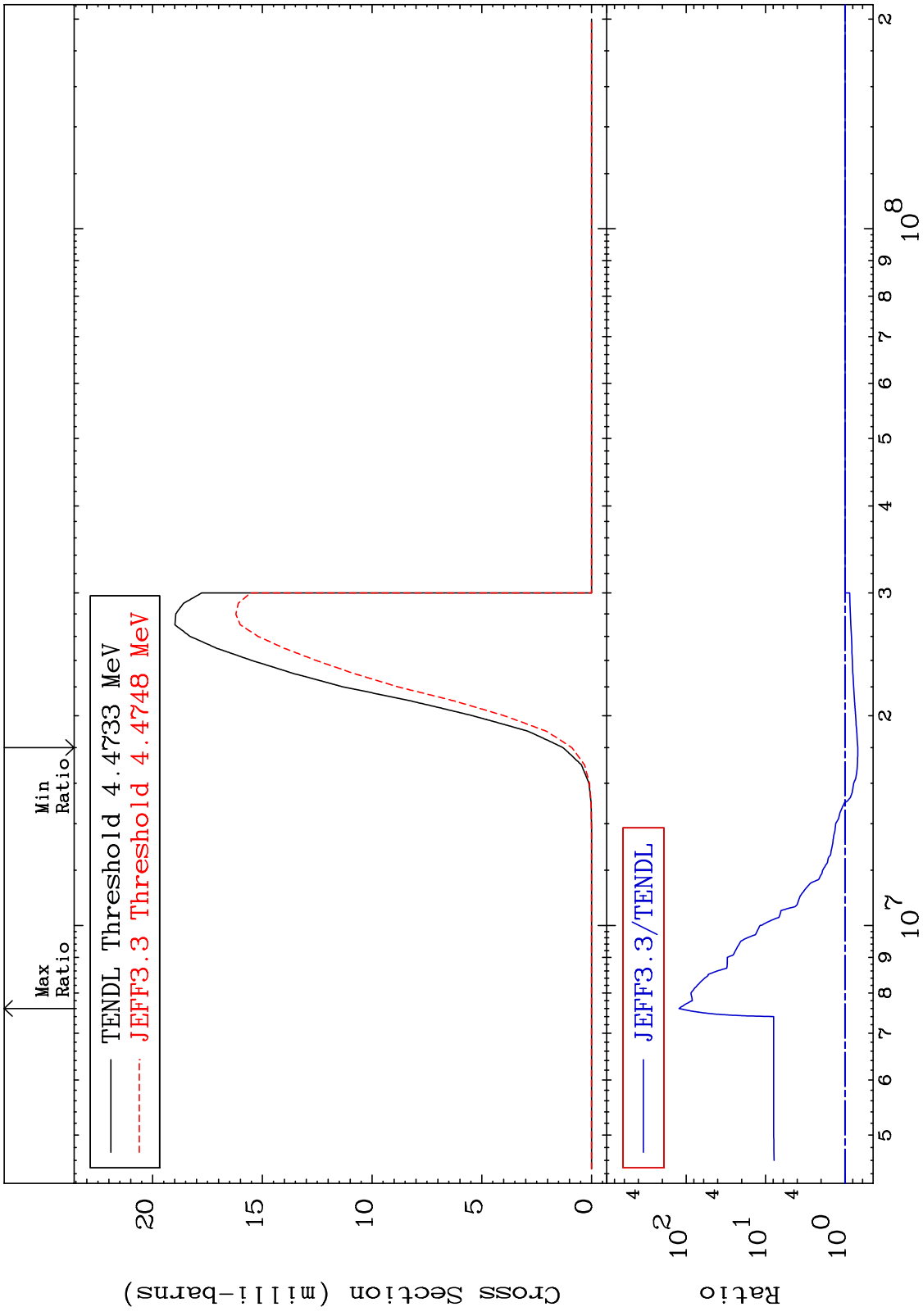
Incident Energy (eV)

46-Pd-110

MAT 4649  $(n, 3n)$  Cross Section 46-Pd-110 -0.605 To 0.405 %

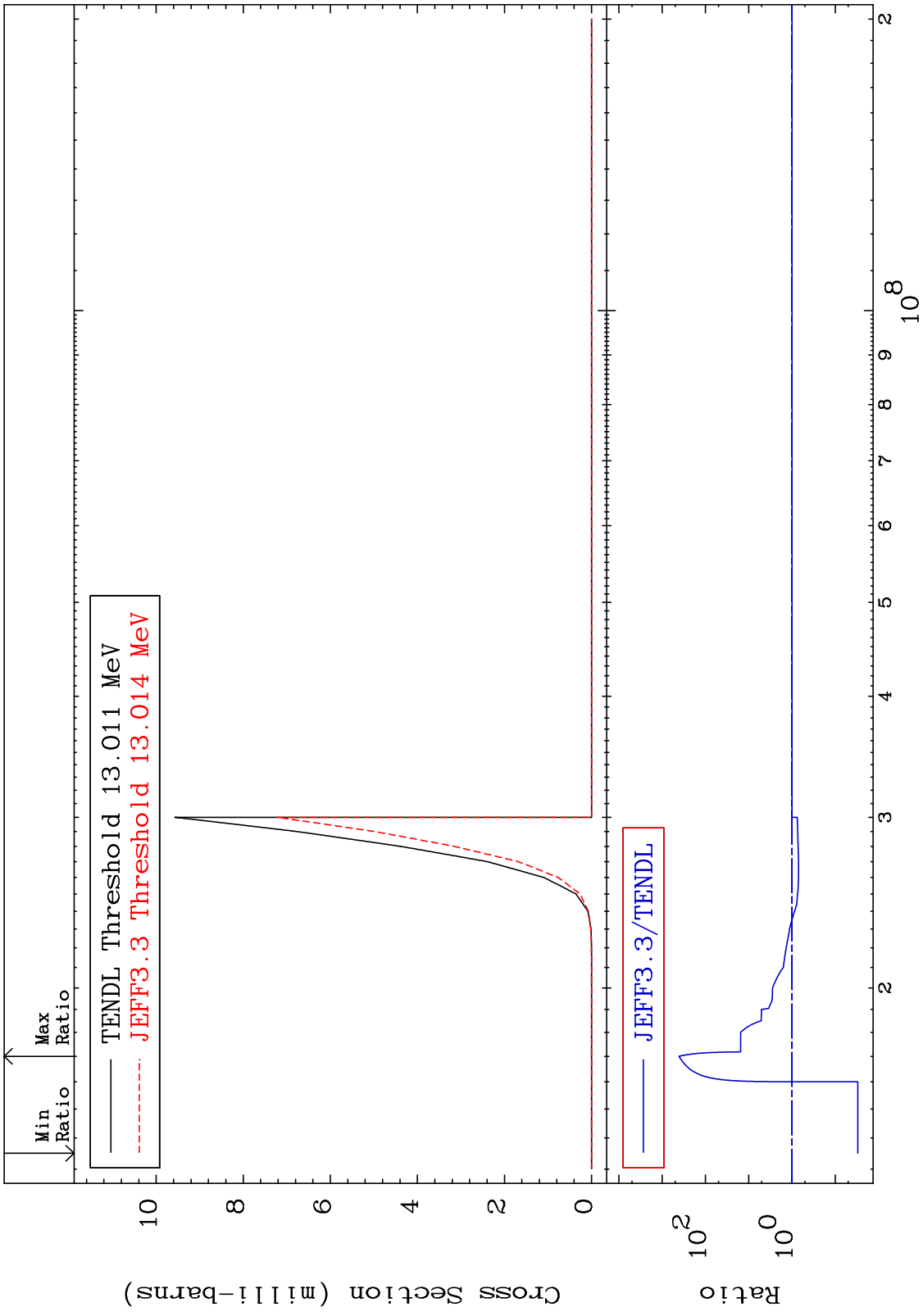


MAT 4649  $(n, n') \alpha$  46-Pd-110  
 Cross Section -31.07 To 9999. %

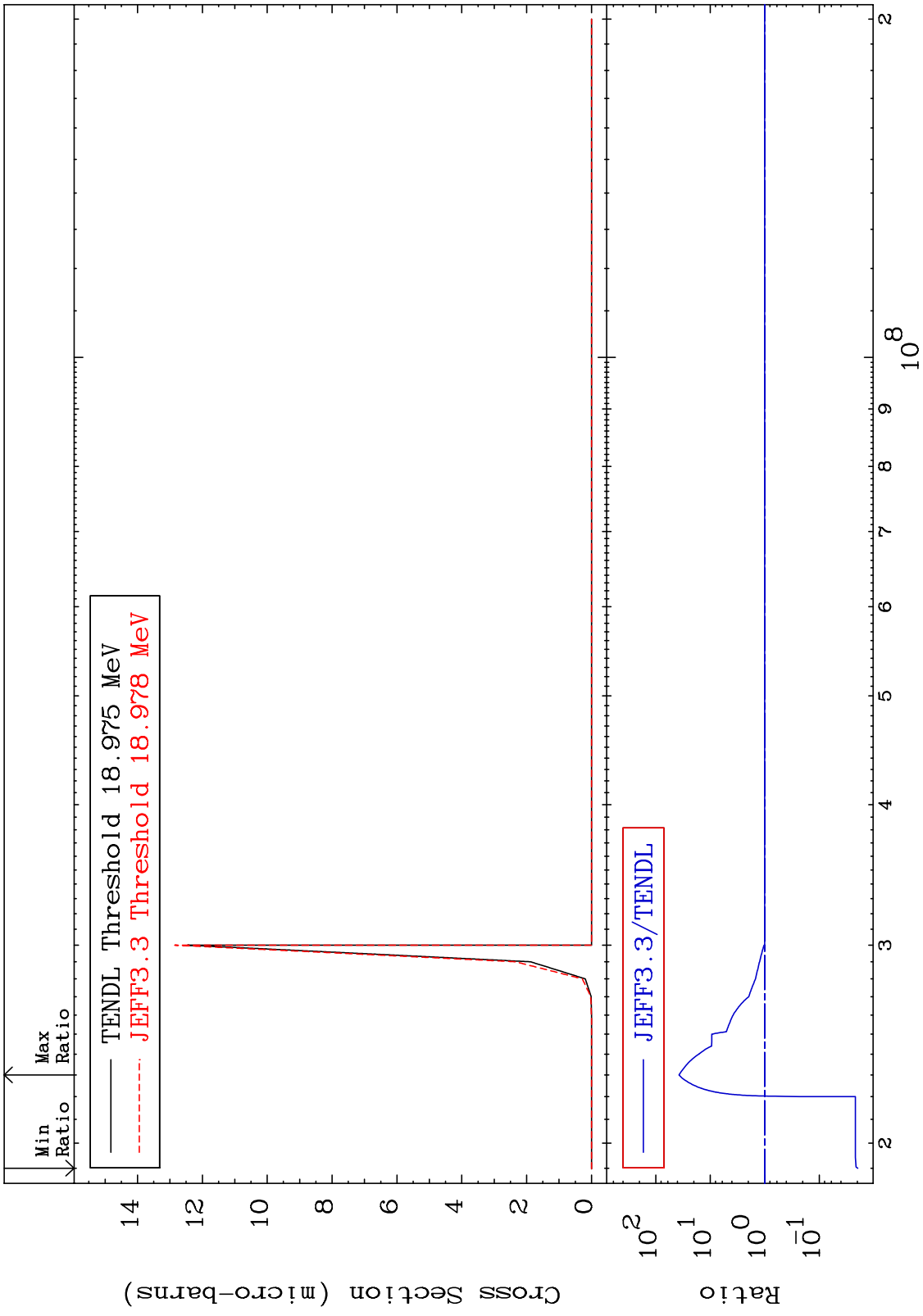




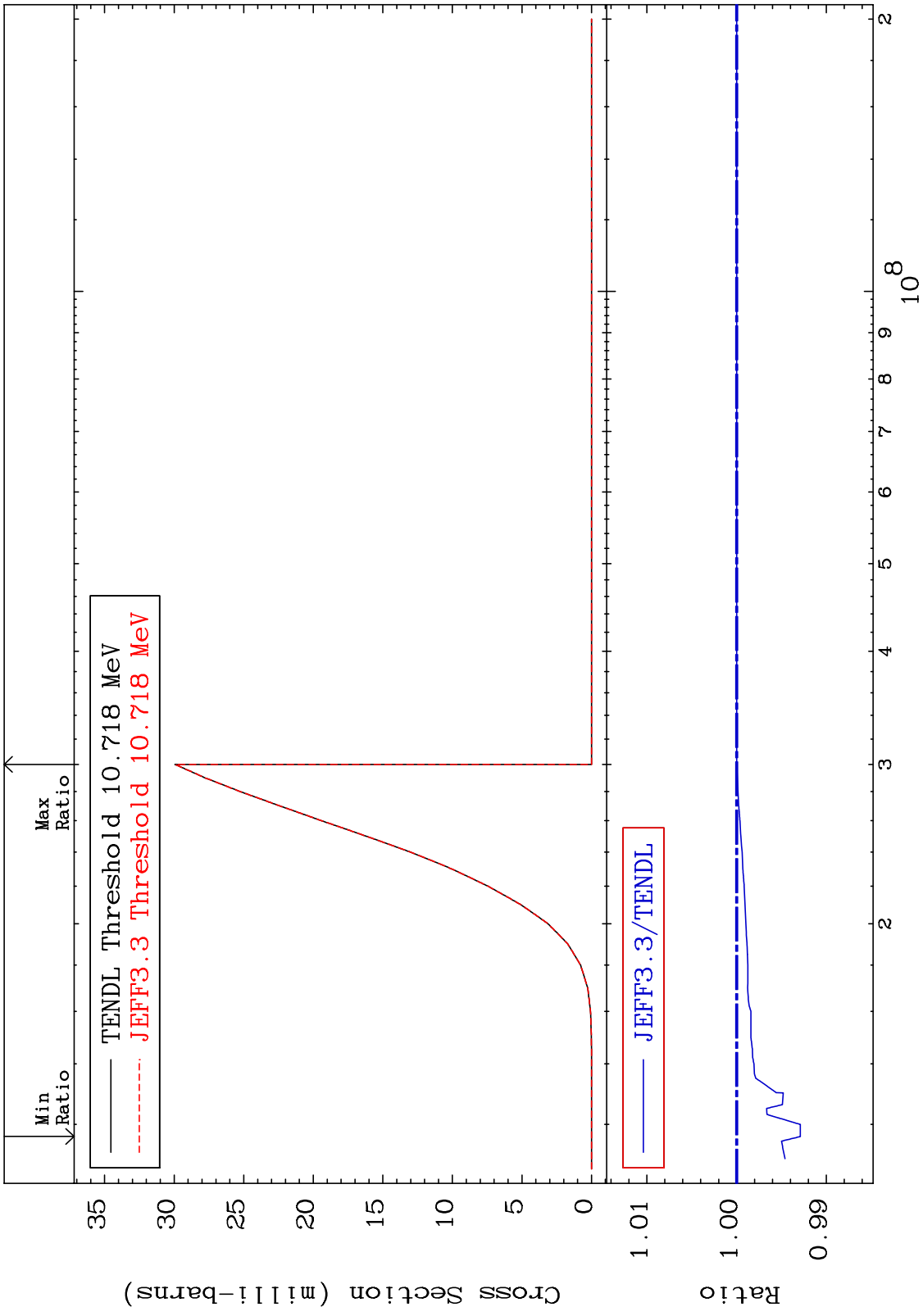
MAT 4649 (n,2n)  $\alpha$  46-Pd-110  
 Cross Section -97.01 To 9999. %



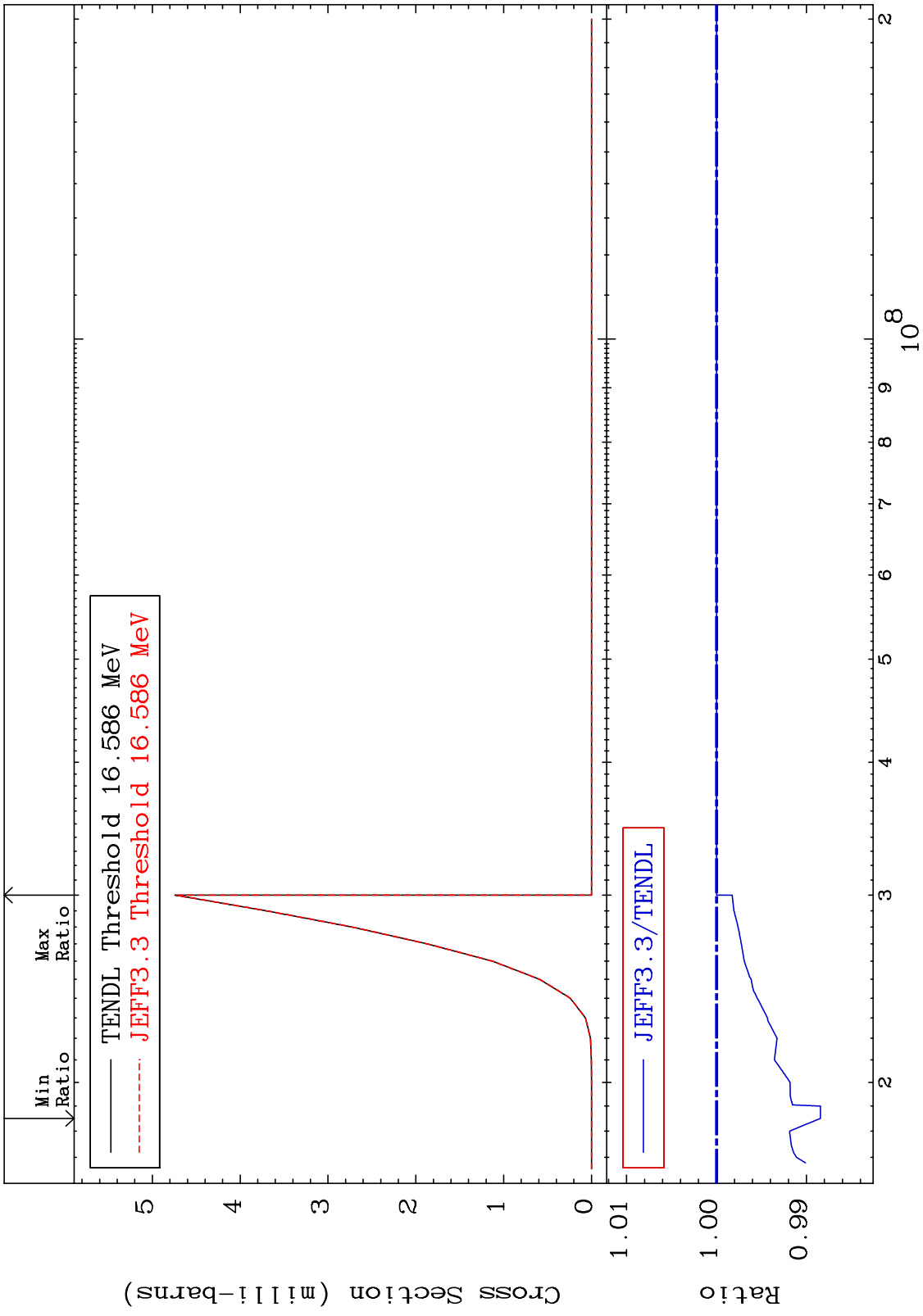
MAT 4649 (n,3n)  $\alpha$  46-Pd-110  
 Cross Section -98.05 To 3639. %



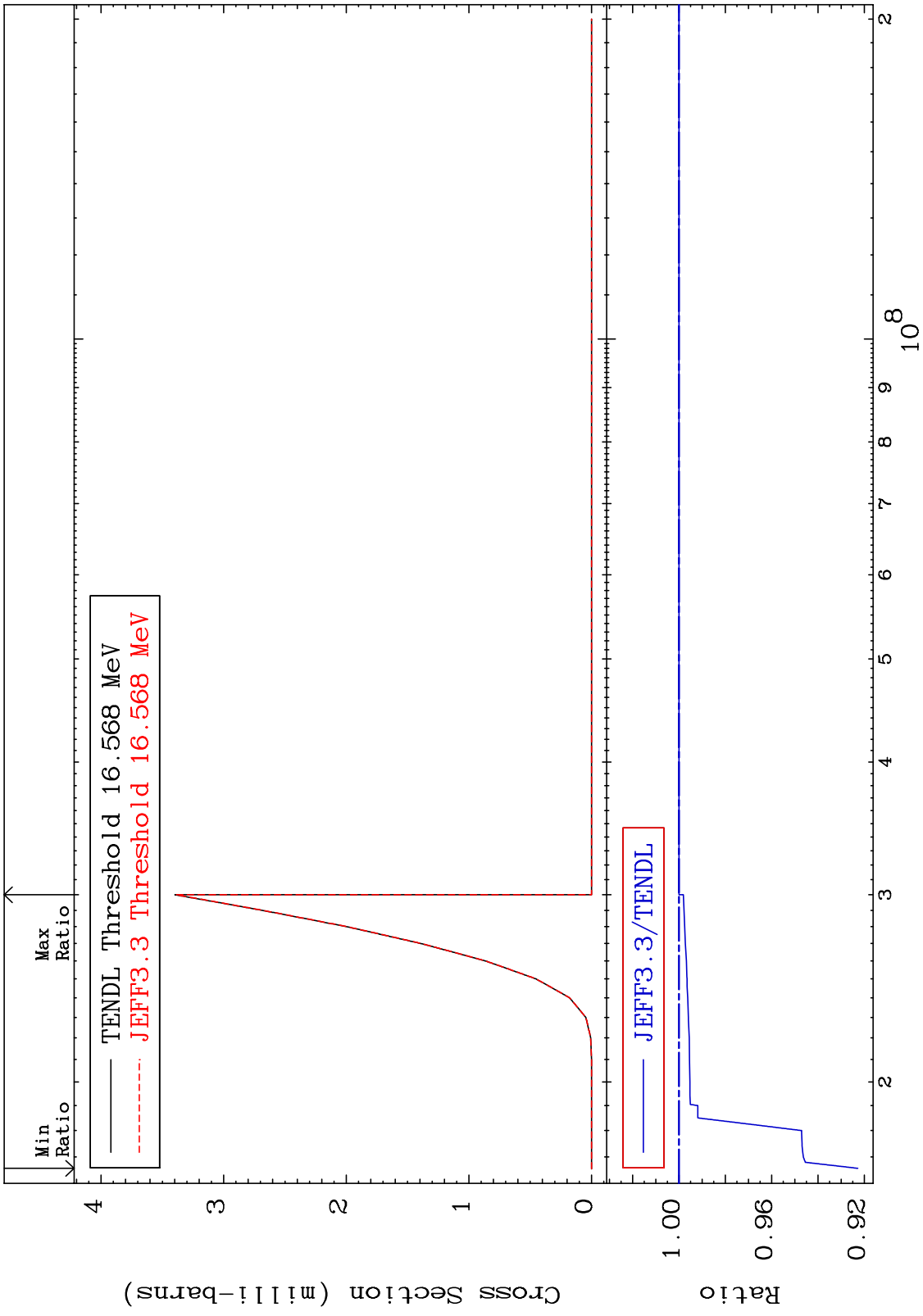
MAT 4649 (n,n') p 46-Pd-110  
 Cross Section -0.710 To 0.000 %



MAT 4649 (n, n') d 46-Pd-110  
 Cross Section -1.155 To 0.000 %

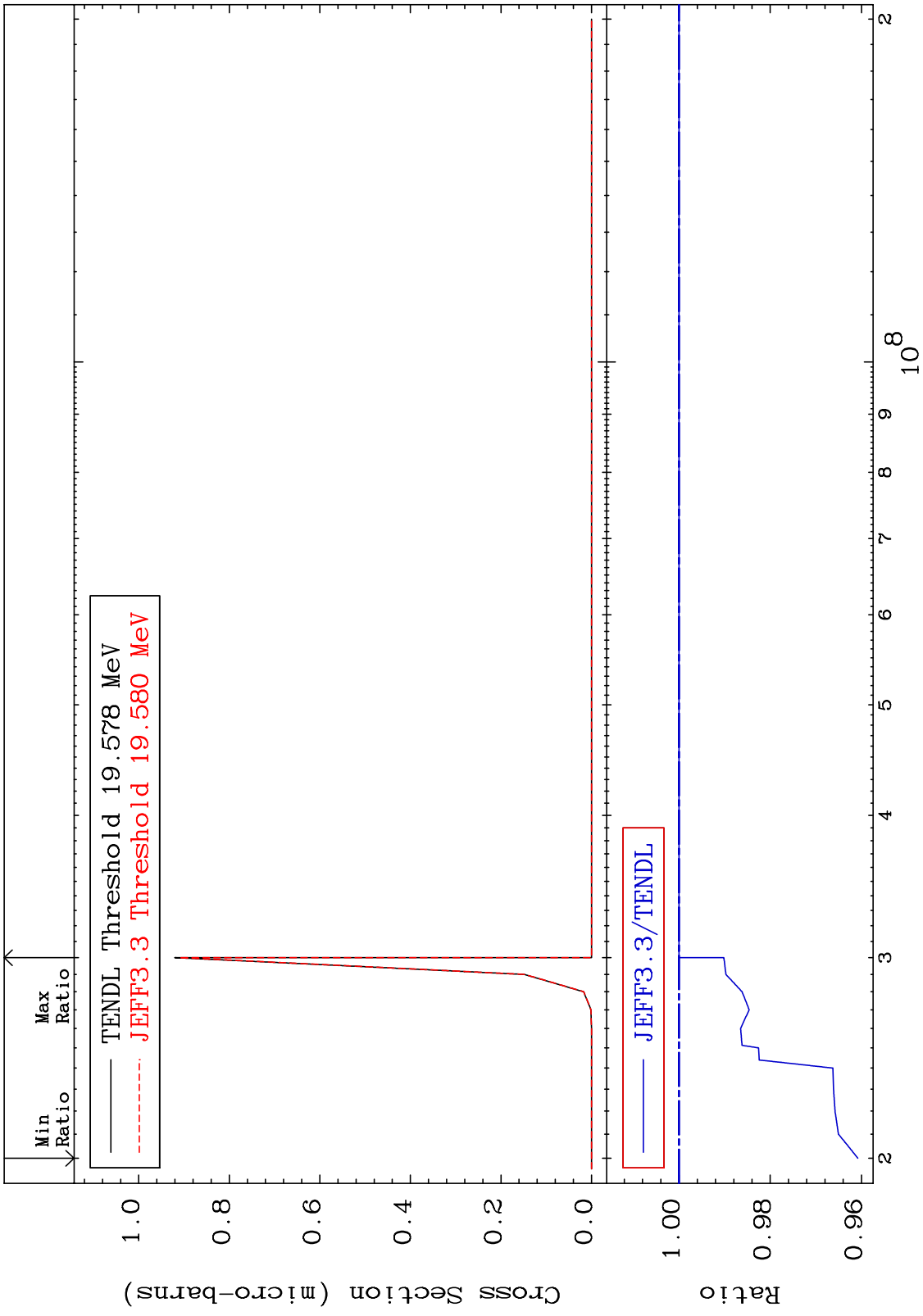


MAT 4649 (n,n') t 46-Pd-110  
 Cross Section -7.717 To 0.000 %



12 46-Pd-110

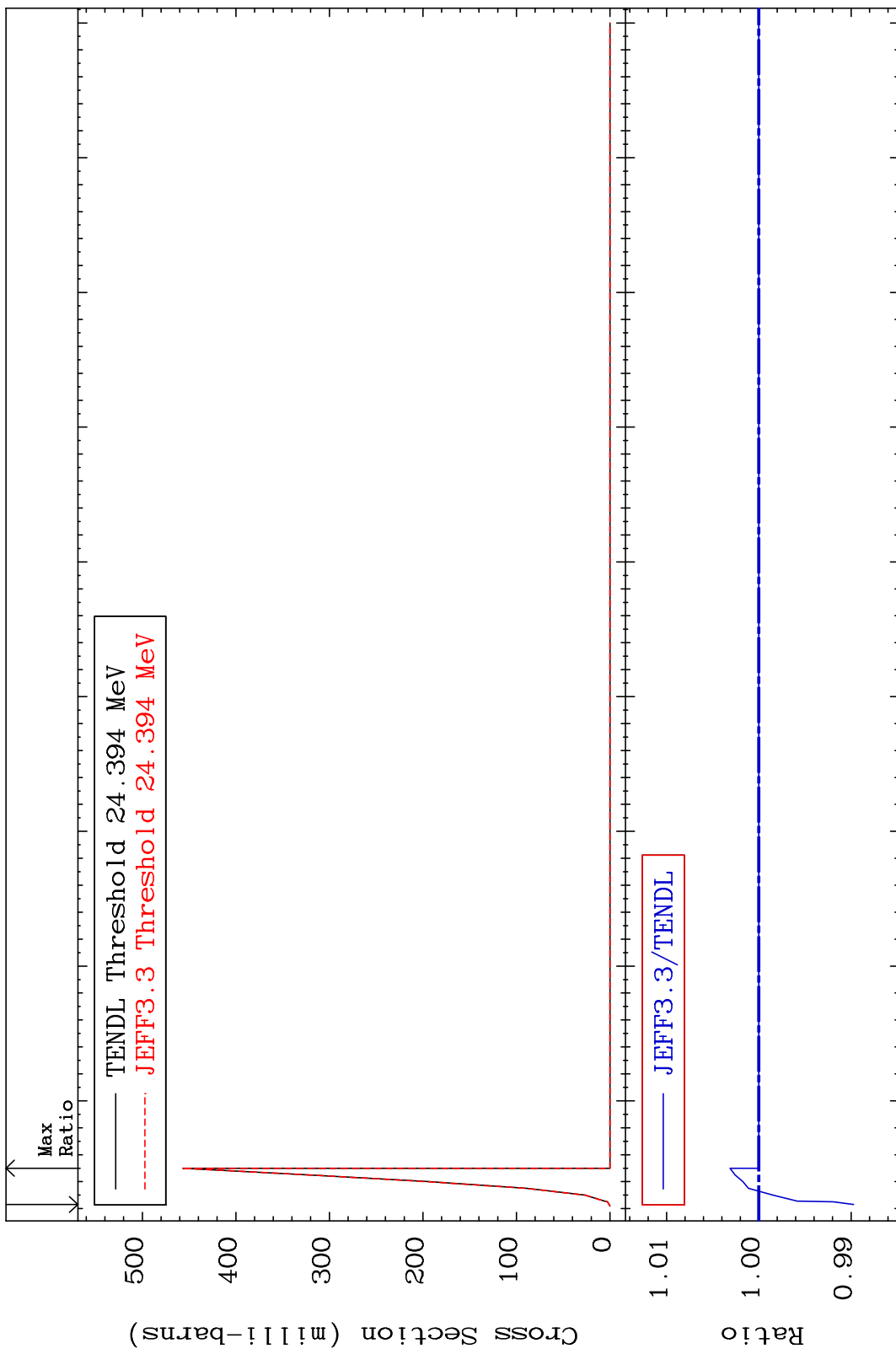
MAT 4649 (n, n') He-3 46-Pd-110  
Cross Section -3.921 To 0.000 %



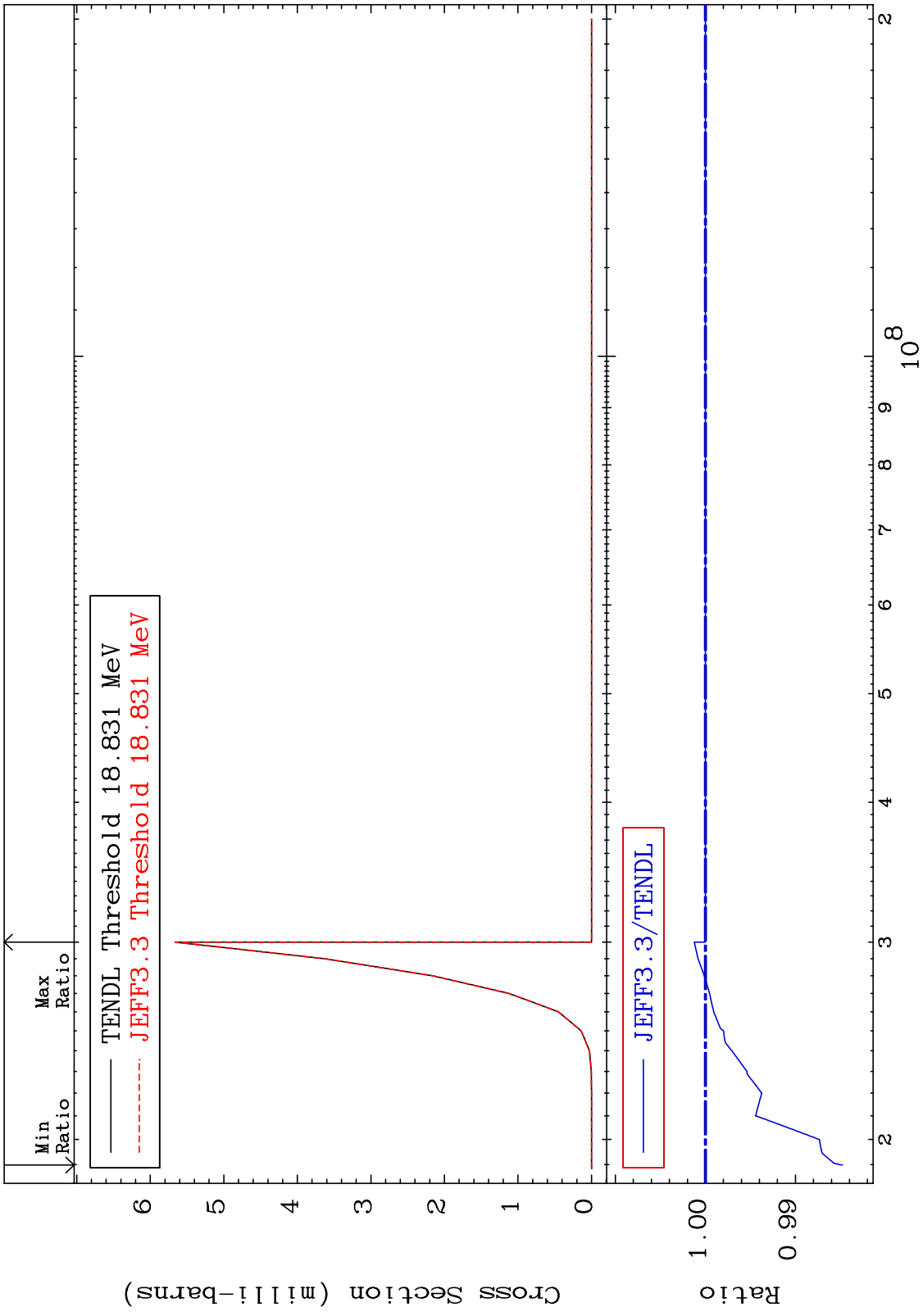
46-Pd-110

Incident Energy (eV)

MAT 4649 (n,4n) 46-Pd-110  
 Cross Section -1.029 To 0.312 %

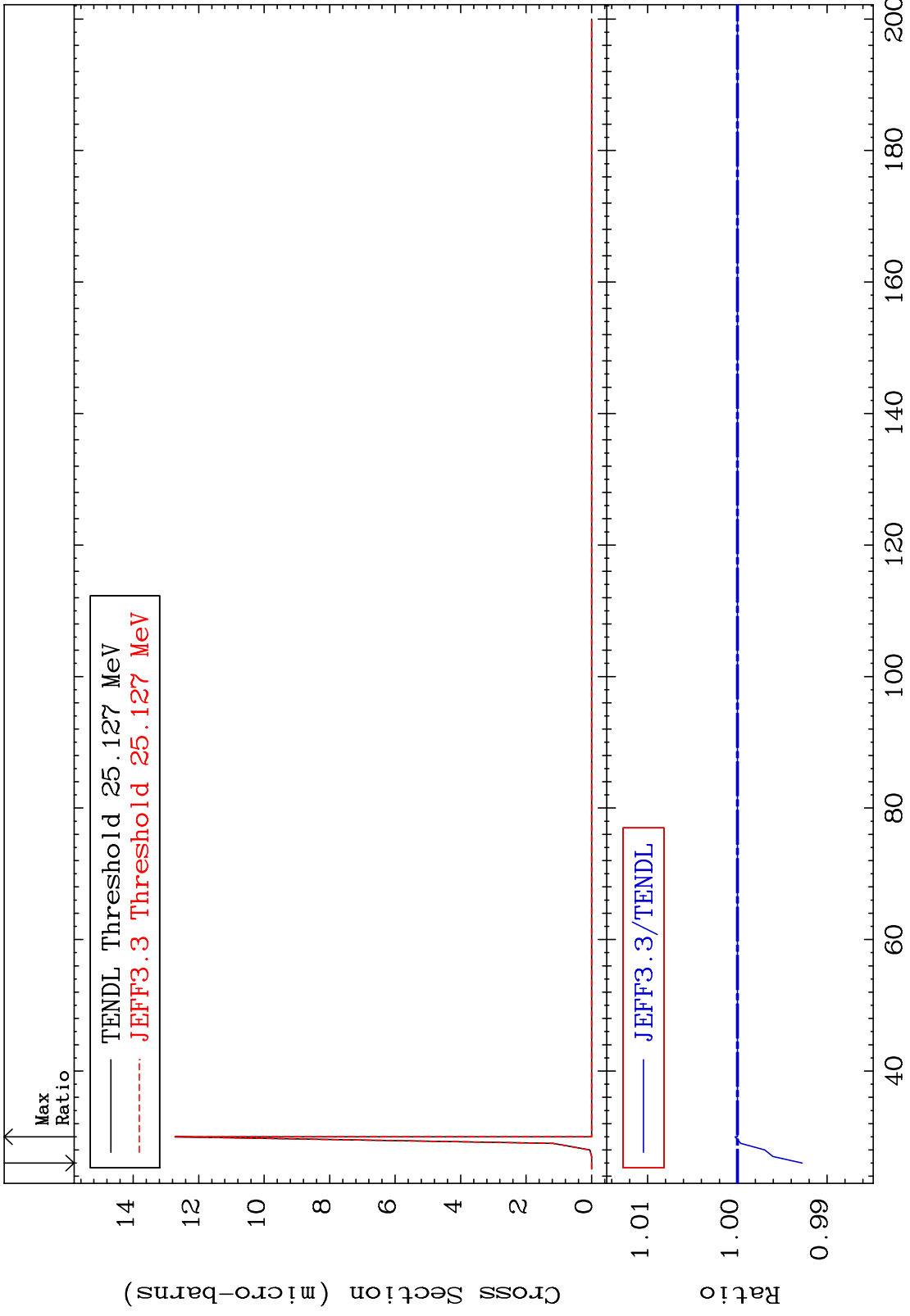


MAT 4649 (n,2n) p 46-Pd-110  
 Cross Section -1.523 To 0.123 %



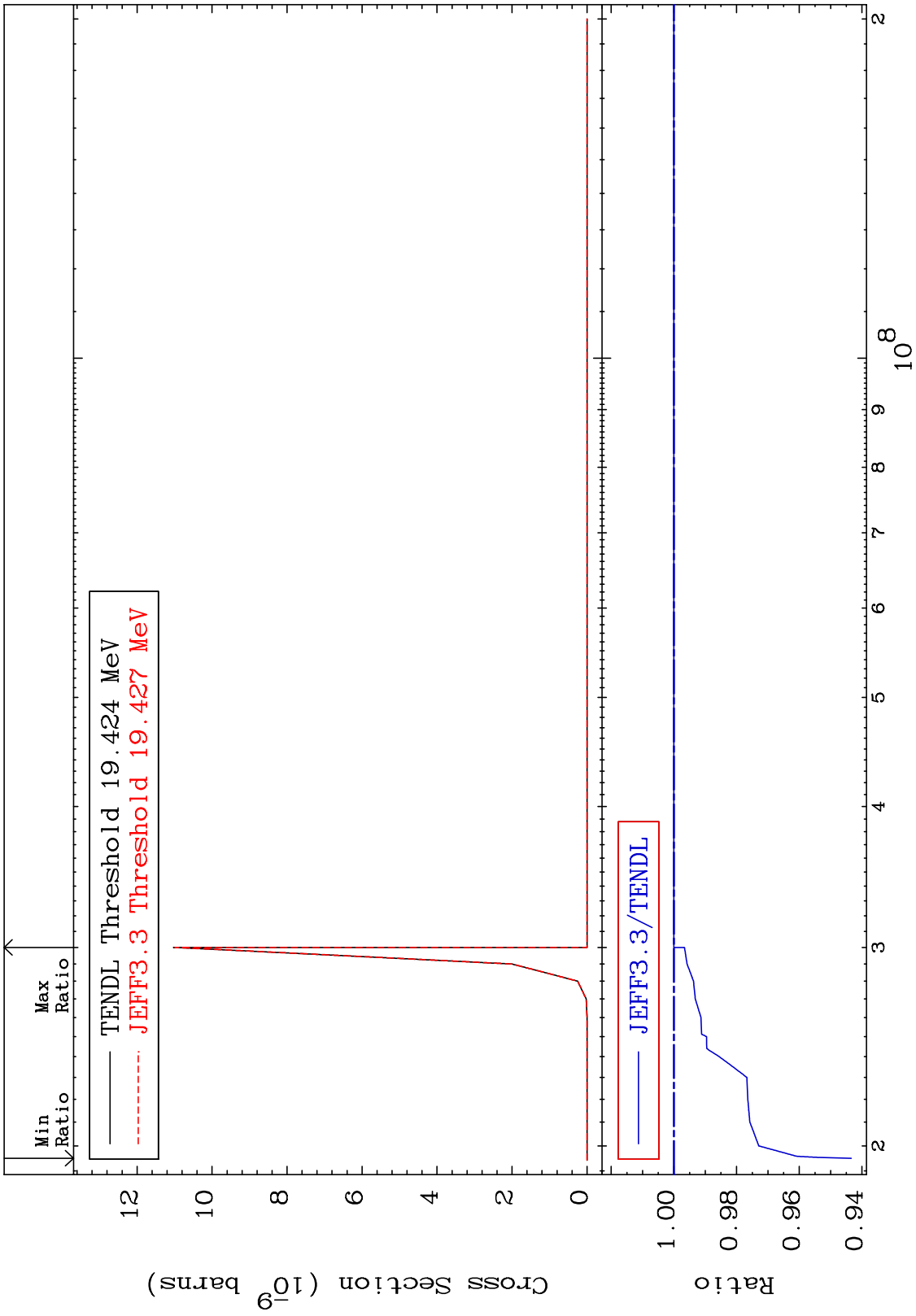


MAT 4649 (n,3n) p 46-Pd-110  
 Cross Section -0.721 To 0.026 %

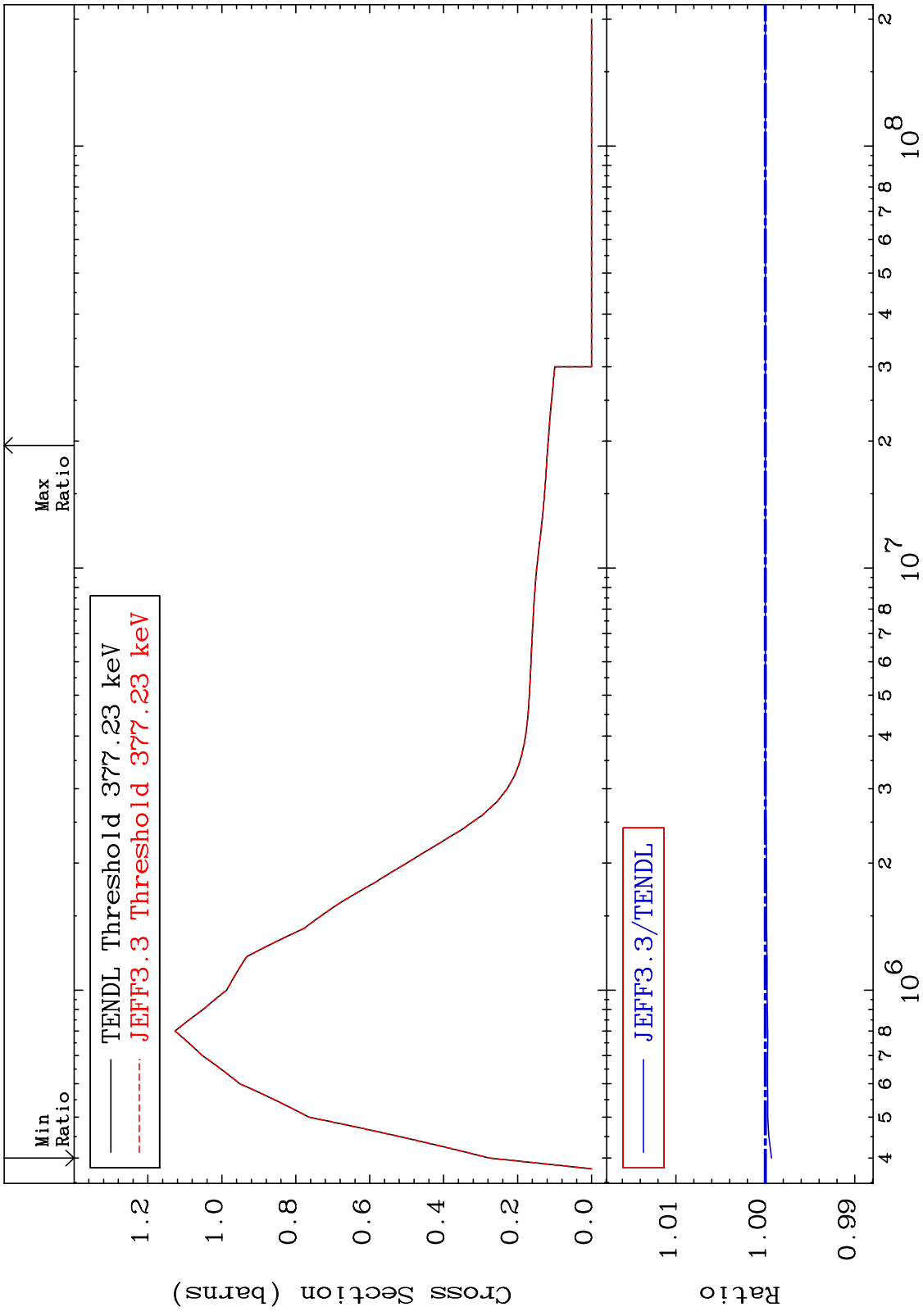


16 46-Pd-110

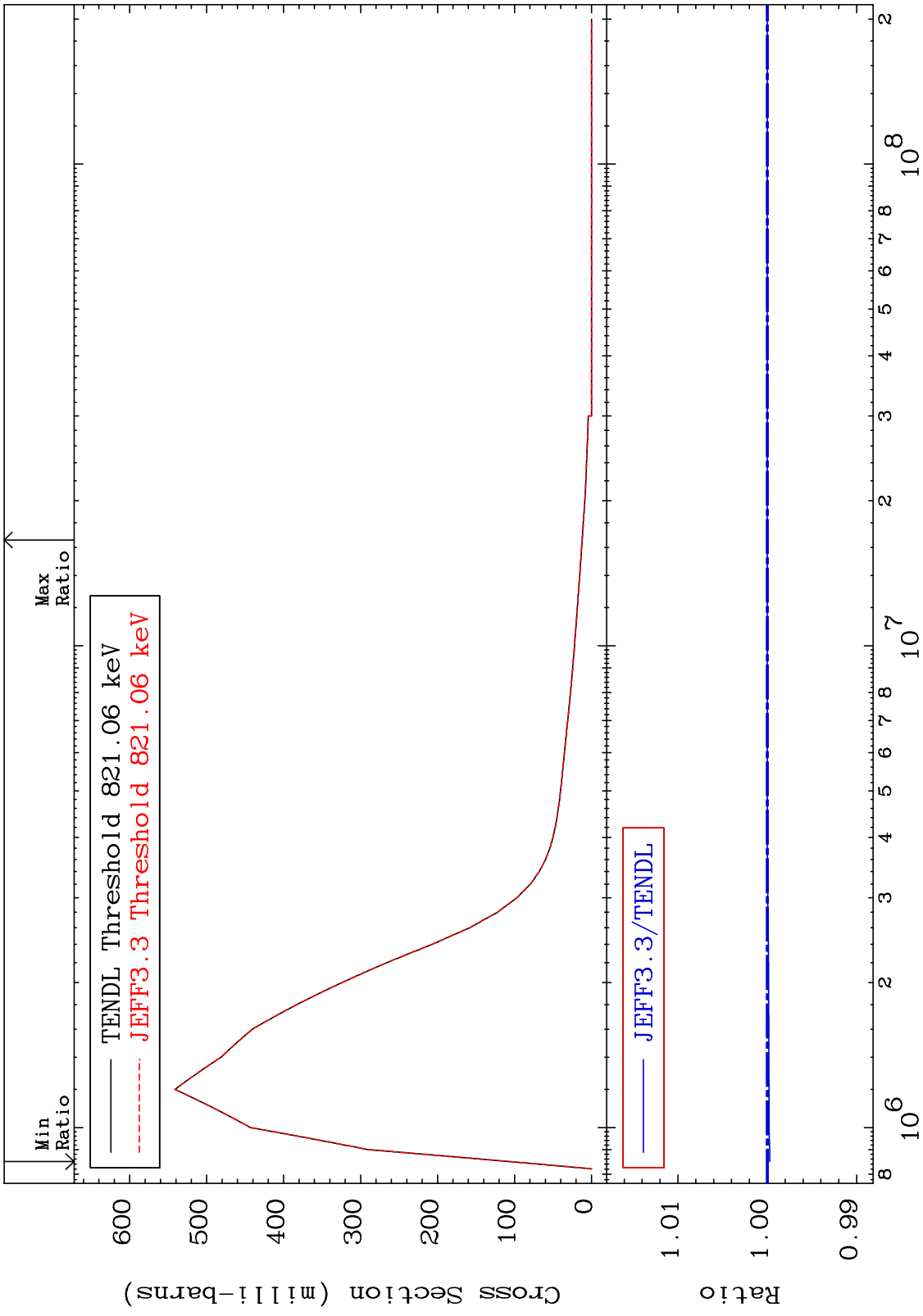
MAT 4649 (n,2n) p 46-Pd-110  
 Cross Section -5.660 To 0.000 %



MAT 4649      MT= 51 (n,n') Level Cross Section      46-Pd-110  
 -0.068 To 0.000 %

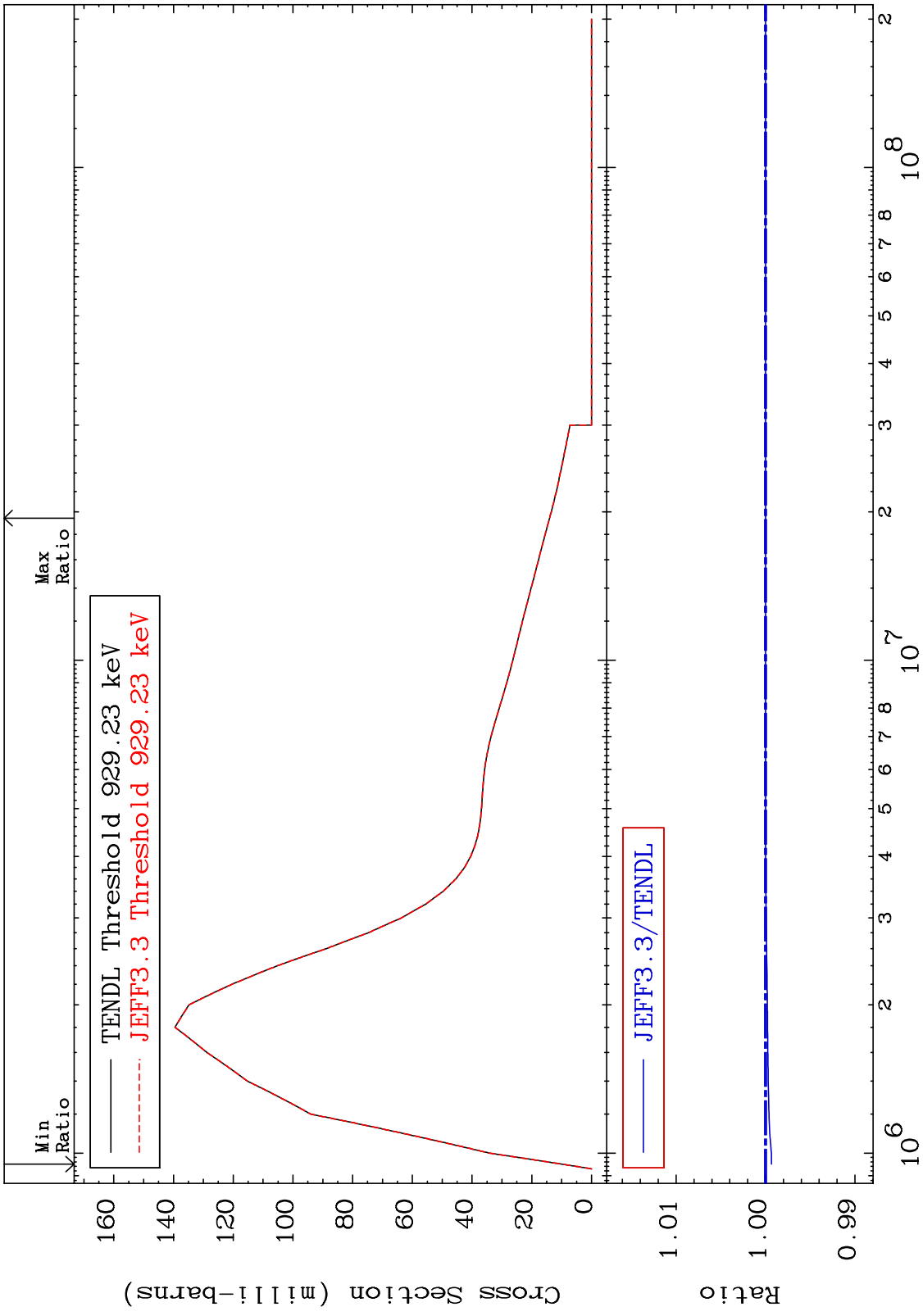


MAT 4649      MT= 52 (n,n') Level      46-Pd-110  
Cross Section      -0.026 To 0.000 %



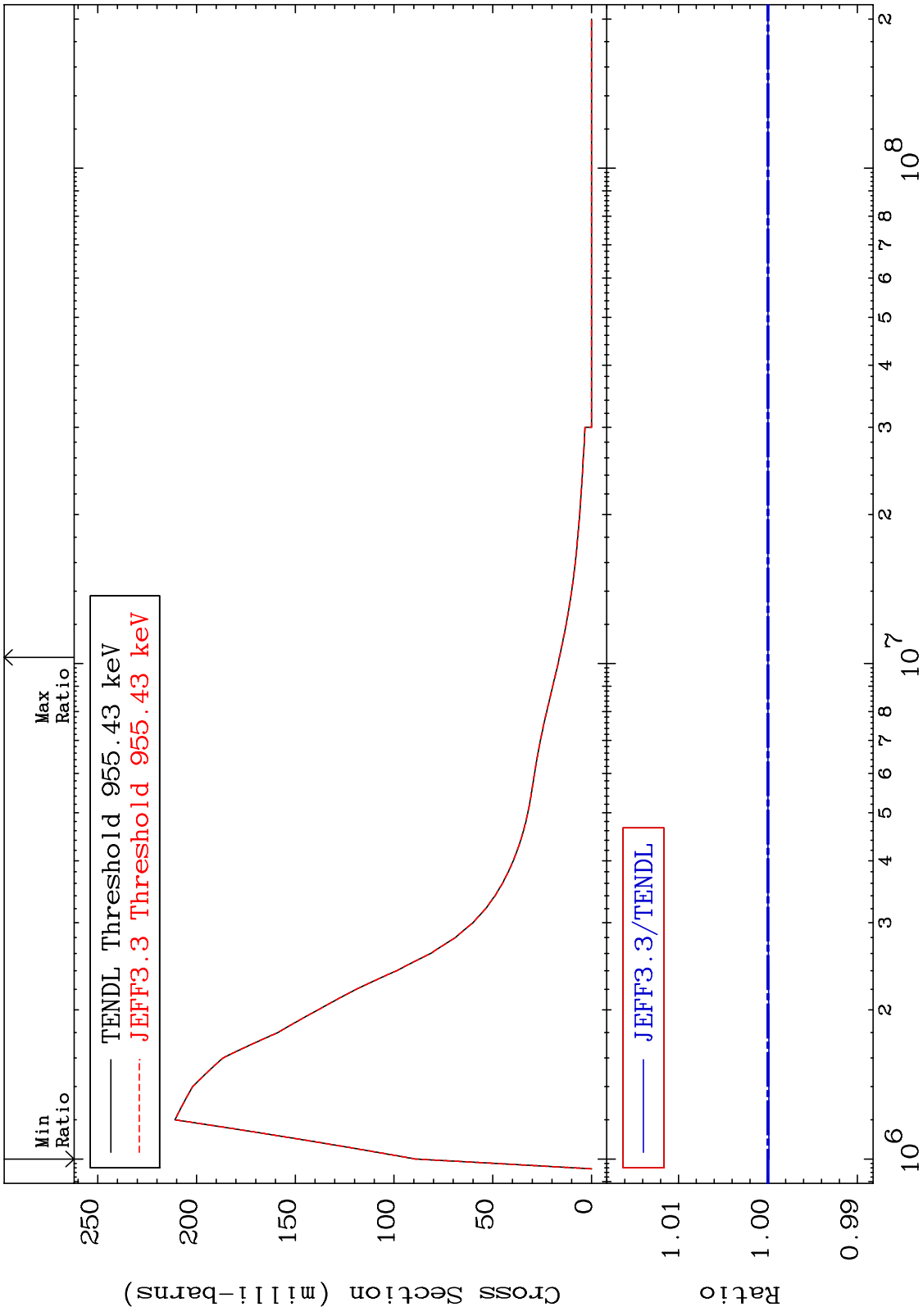
19      Incident Energy (eV)      46-Pd-110

MAT 4649 MT= 53 (n,n') Level Cross Section 46-Pd-110 -0.065 To 0.000 %



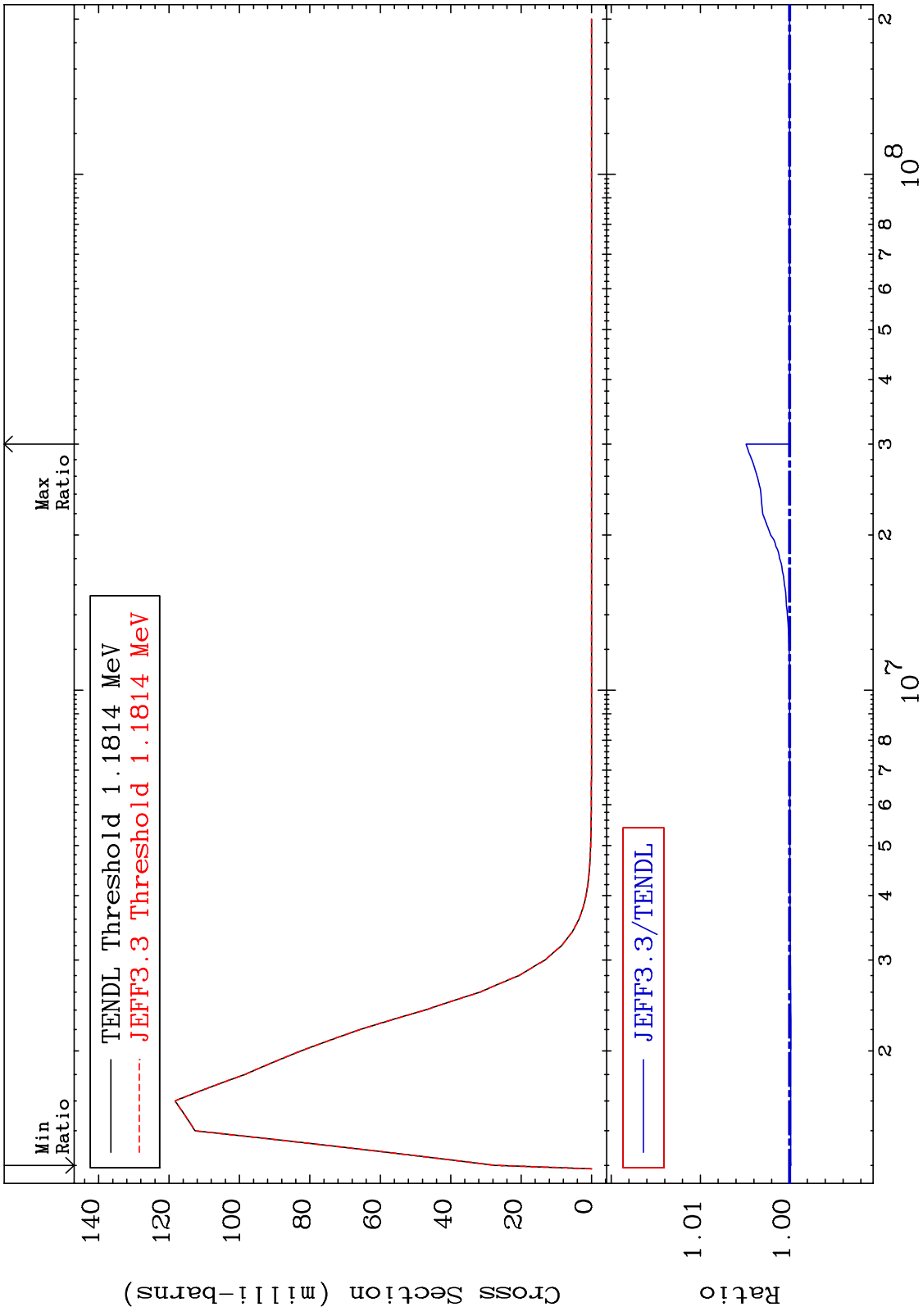
Incident Energy (eV) 46-Pd-110

MAT 4649      MT= 54 (n,n') Level      46-Pd-110  
Cross Section      -0.013 To 0.000 %

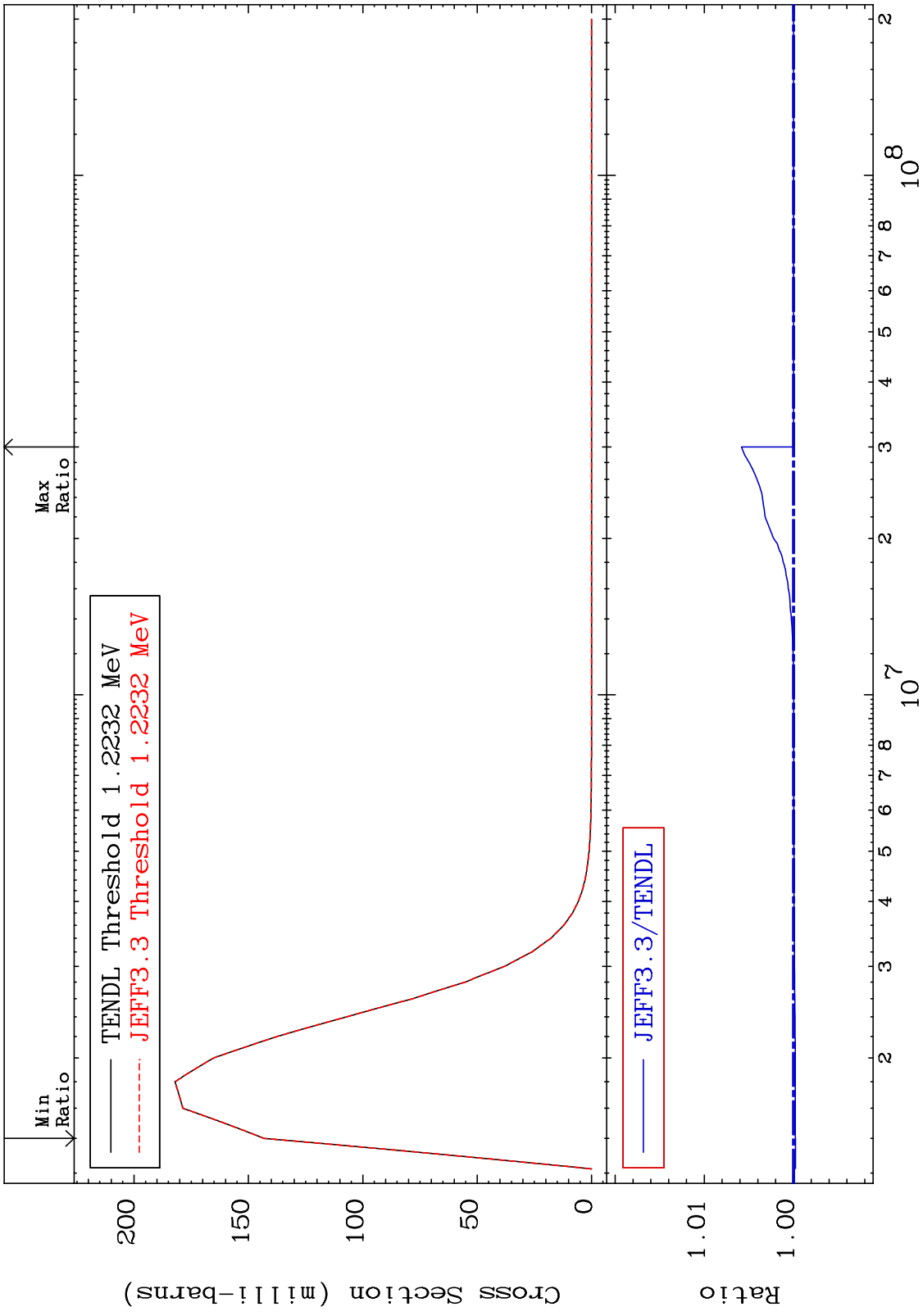


21      46-Pd-110

MAT 4649      MT= 55 (n,n') Level Cross Section      46-Pd-110  
 -0.015 To 0.488 %

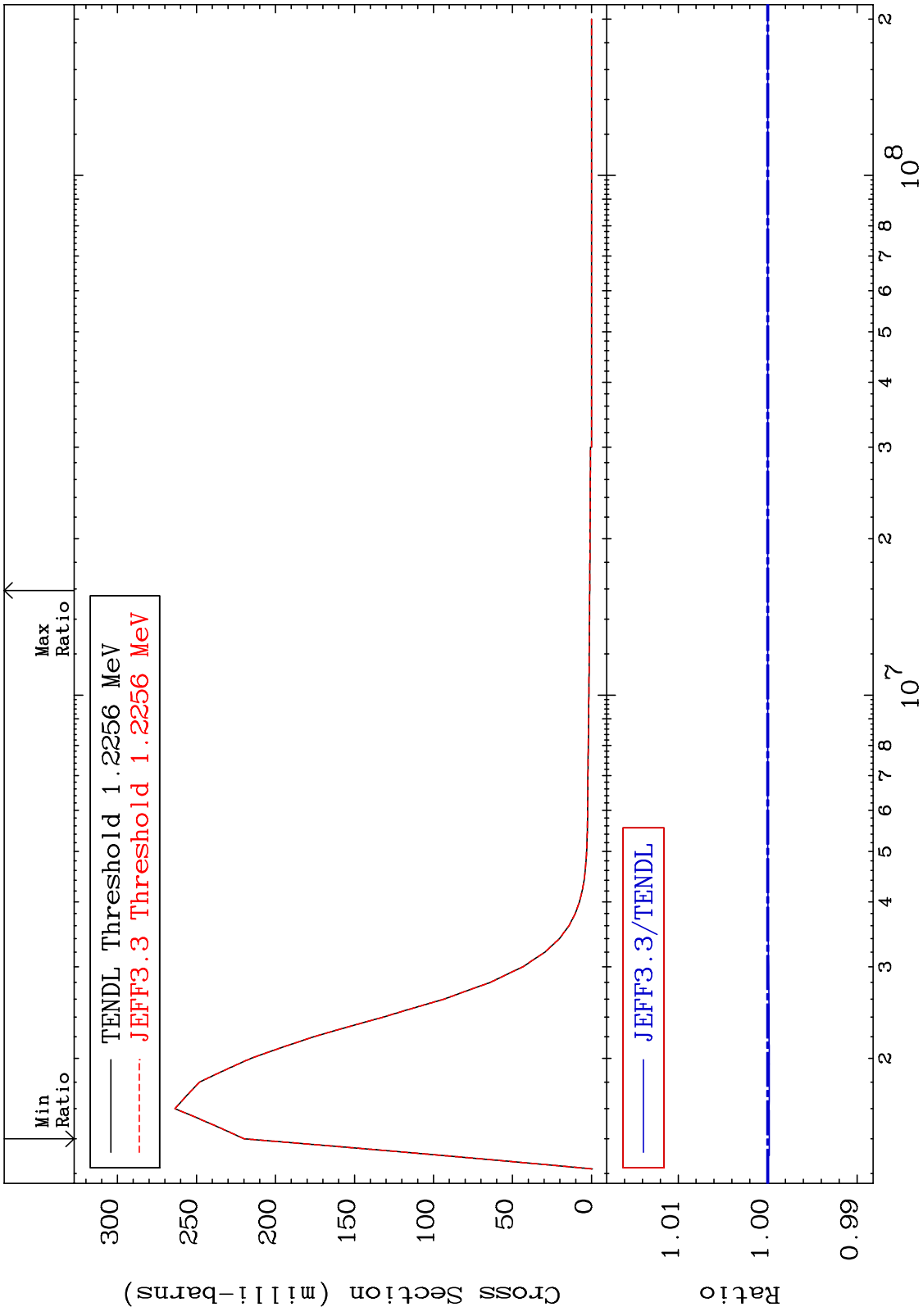


MAT 4649      MT= 56 (n,n') Level Cross Section      46-Pd-110  
 -0.022 To 0.583 %

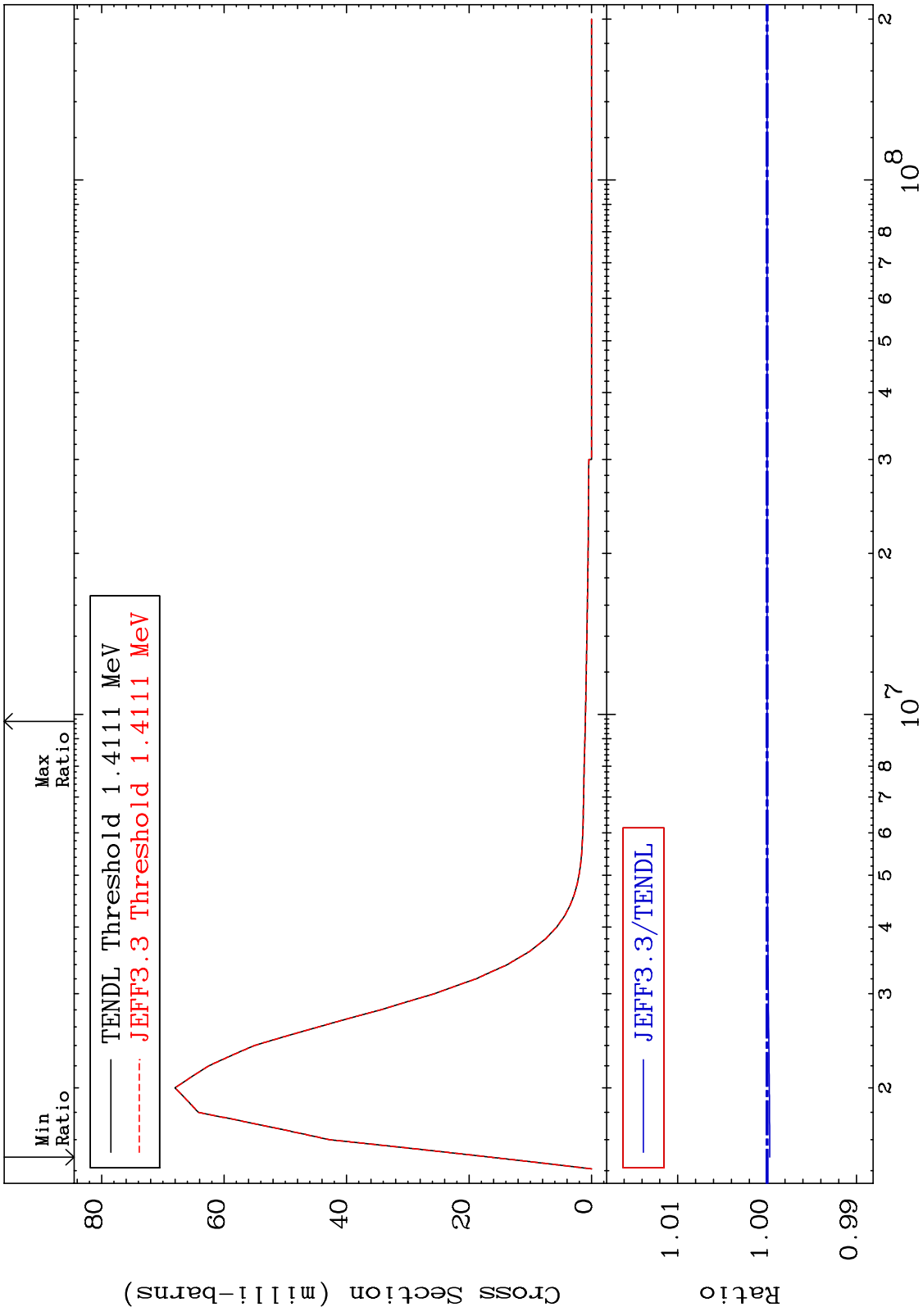




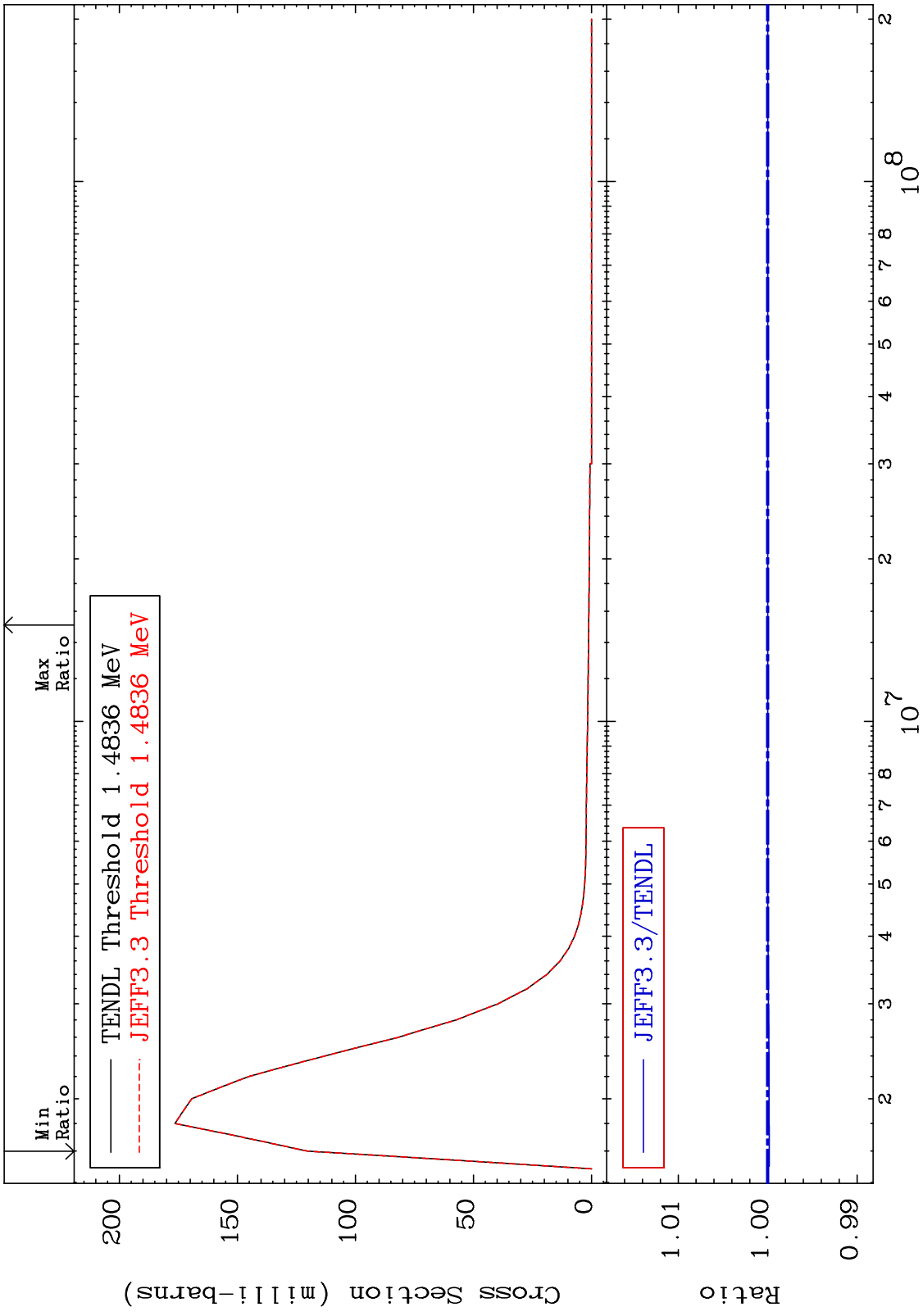
MAT 4649      MT= 57 (n,n') Level Cross Section      46-Pd-110  
 -0.018 To 0.000 %



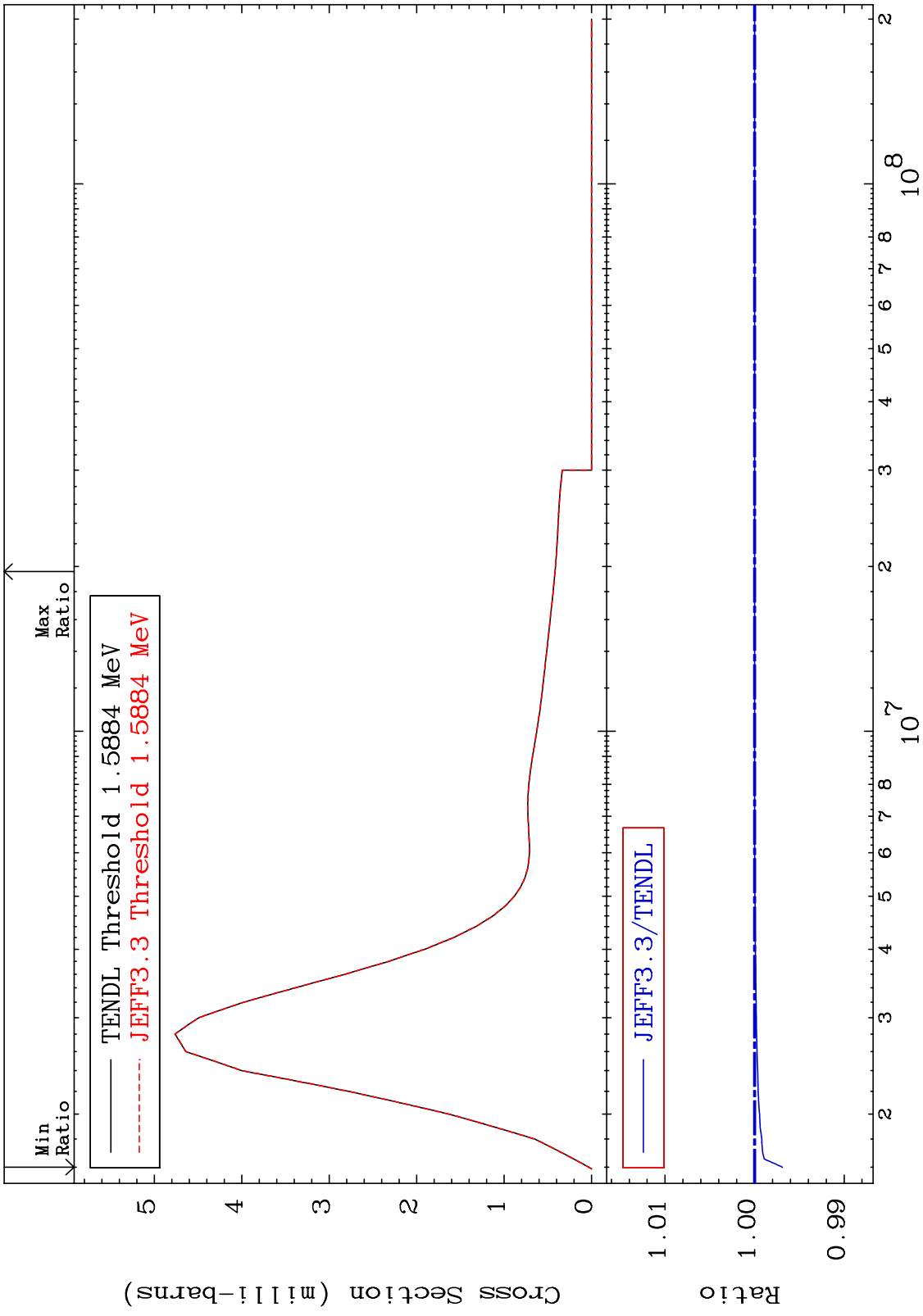
MAT 4649      MT= 58 (n,n') Level Cross Section      46-Pd-110  
 -0.029 To 0.000 %



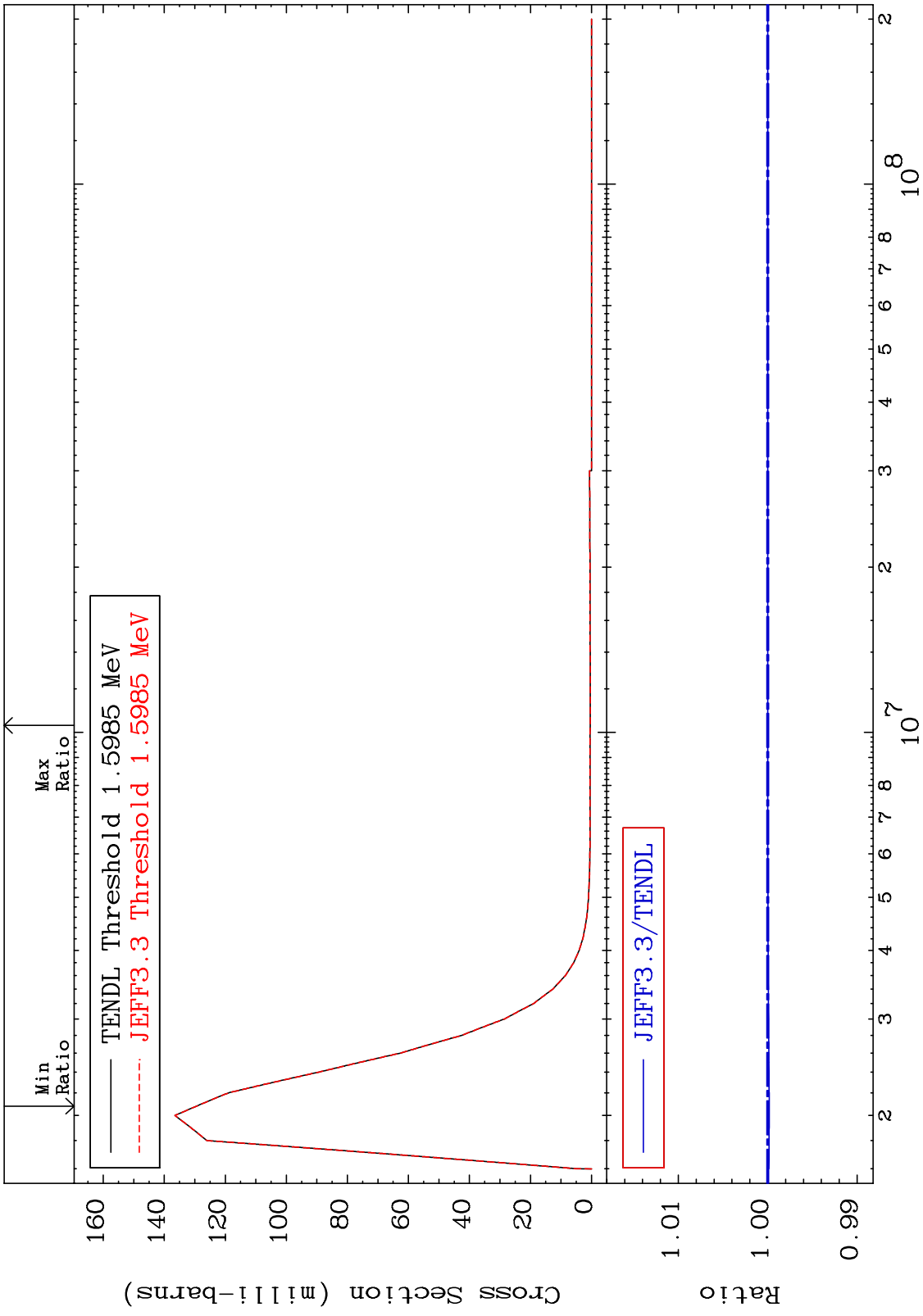
MAT 4649      MT= 59 (n,n') Level Cross Section      46-Pd-110  
 -0.018 To 0.000 %



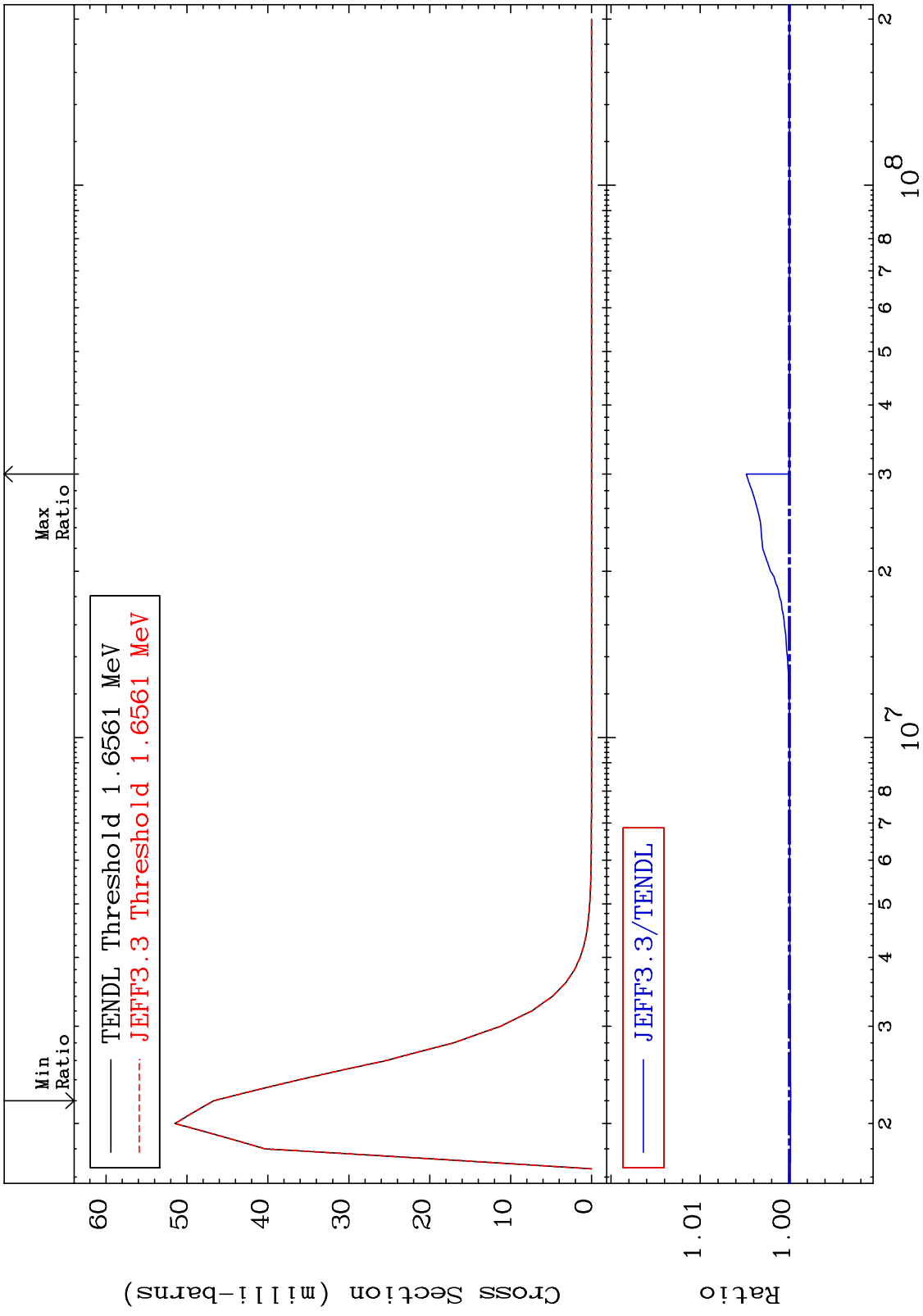
MAT 4649 MT= 60 (n,n') Level Cross Section 46-Pd-110  
 -0.309 To 0.000 %



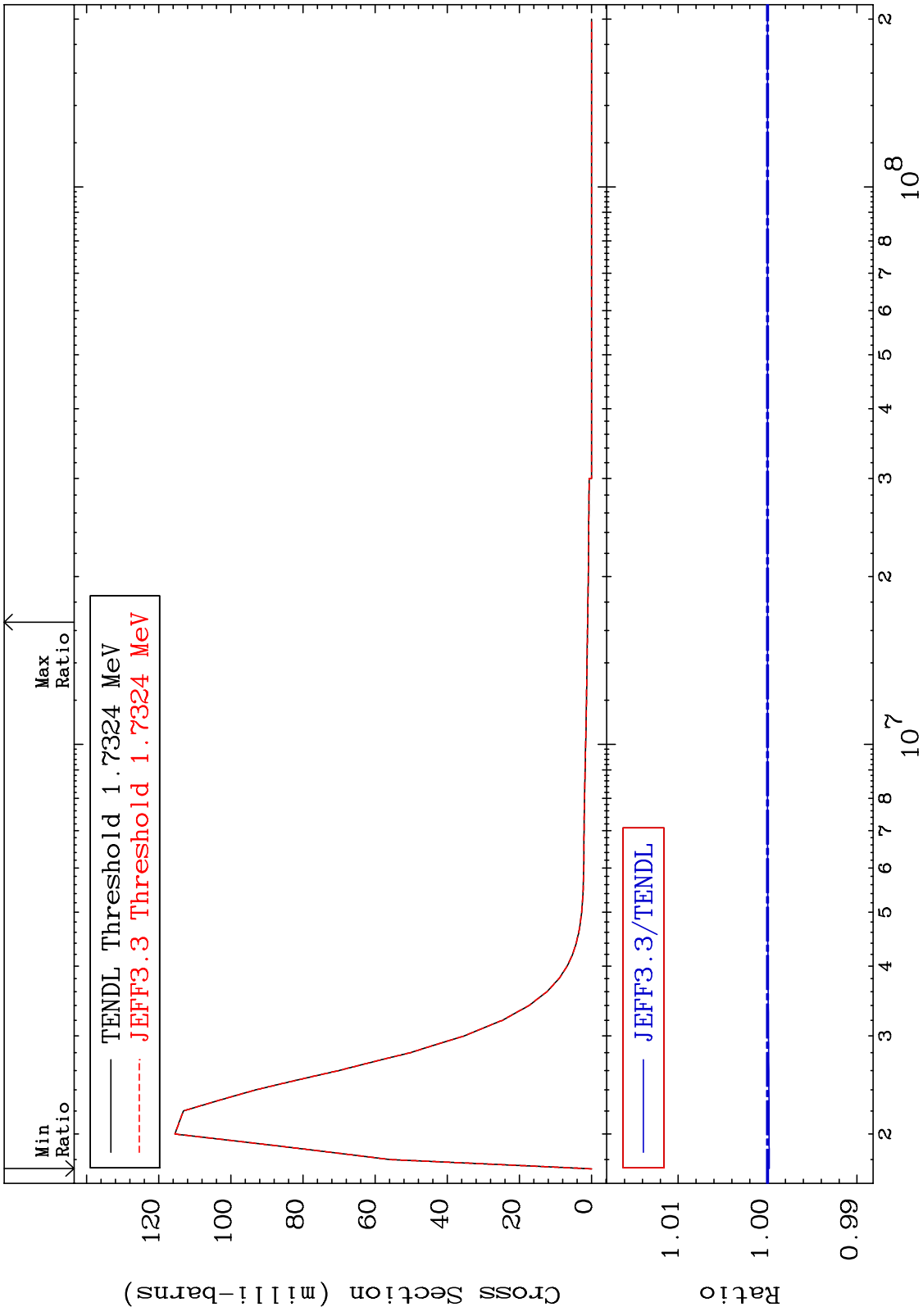
MAT 4649      MT= 61 (n,n') Level Cross Section      46-Pd-110  
 -0.016 To 0.000 %



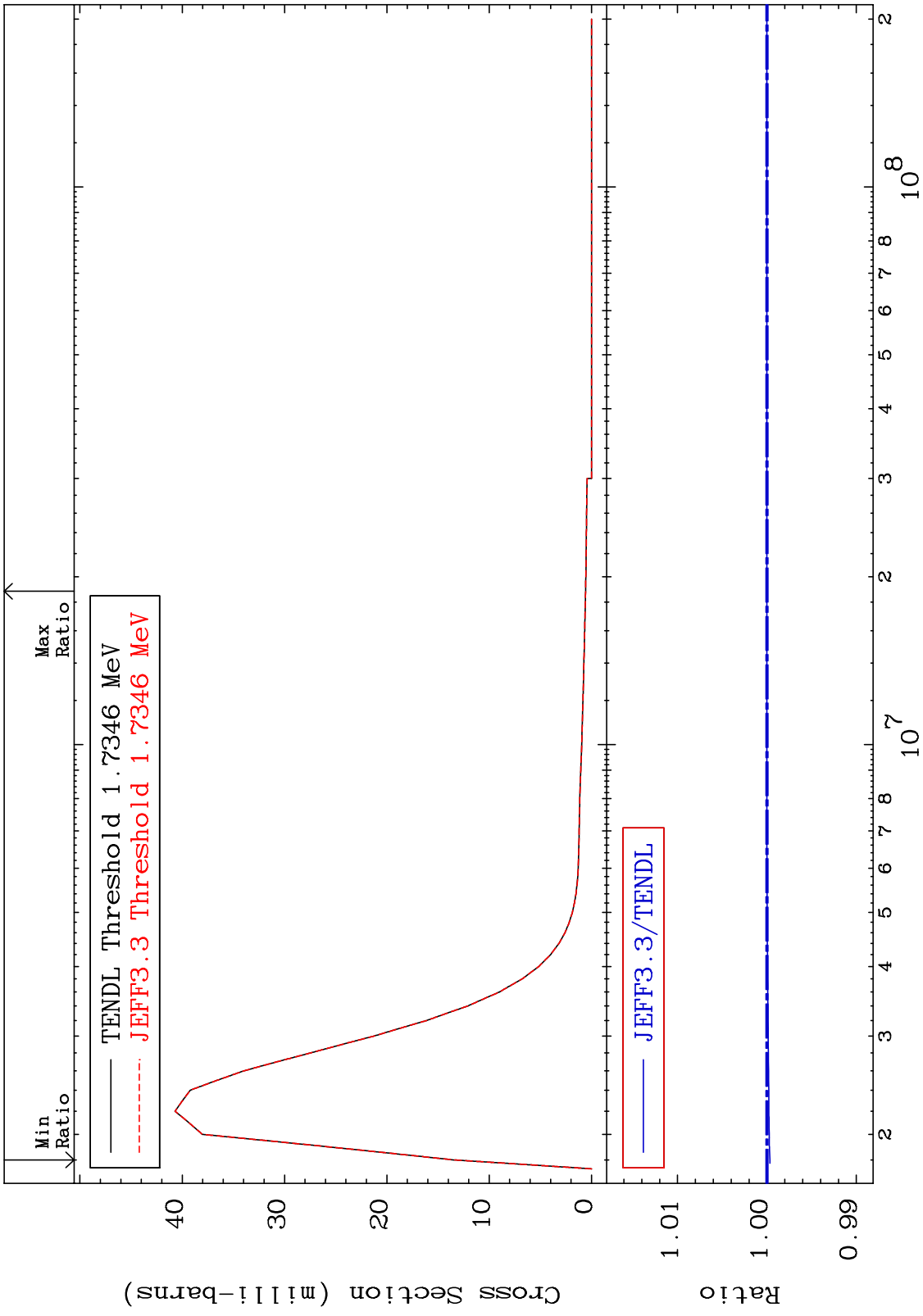
MAT 4649      MT= 62 (n,n') Level Cross Section      46-Pd-110  
 -0.013 To 0.484 %



MAT 4649      MT= 63 (n,n') Level Cross Section      46-Pd-110  
 -0.019 To 0.000 %

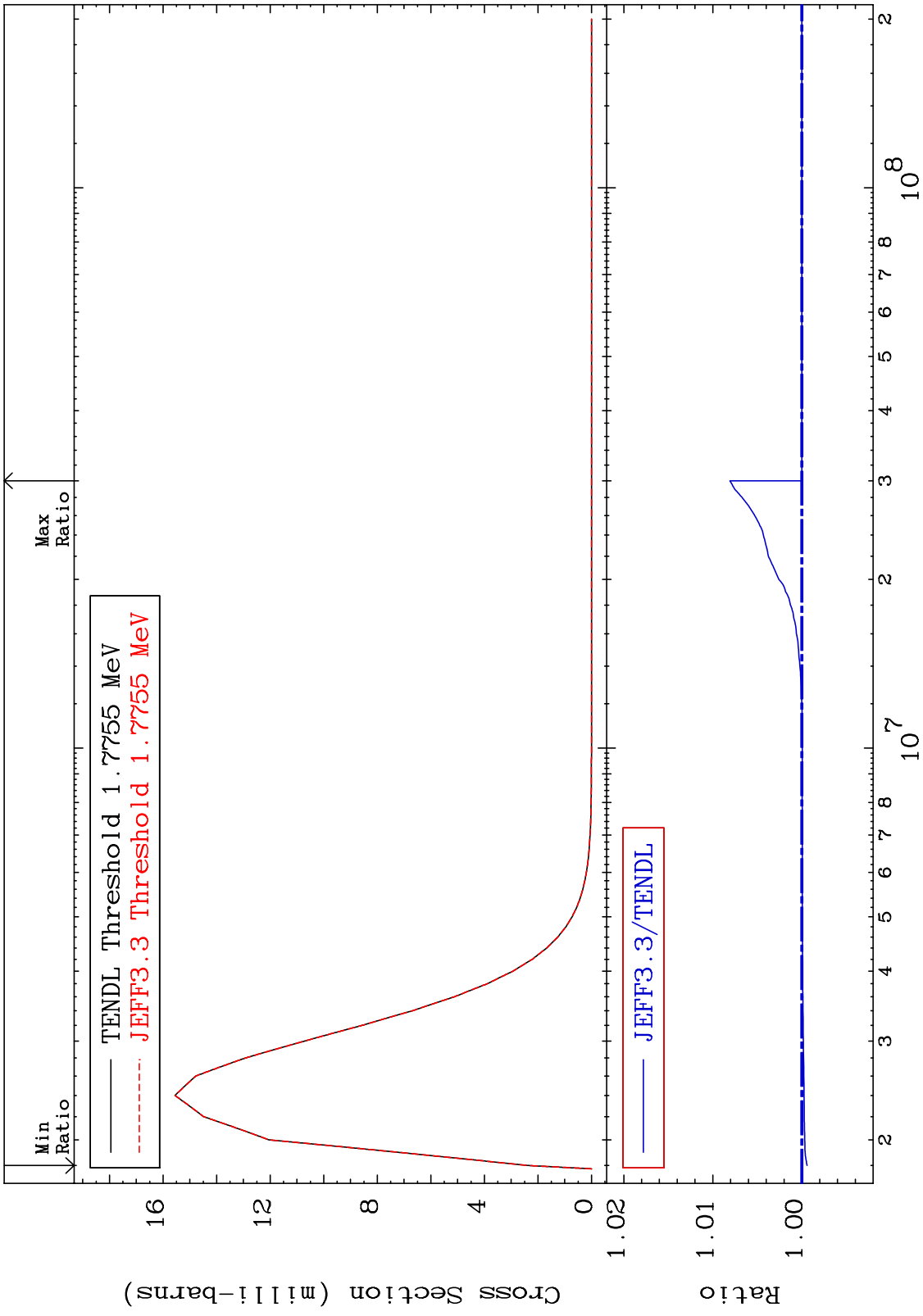


MAT 4649      MT= 64 (n,n') Level Cross Section      46-Pd-110  
 -0.033 To 0.000 %

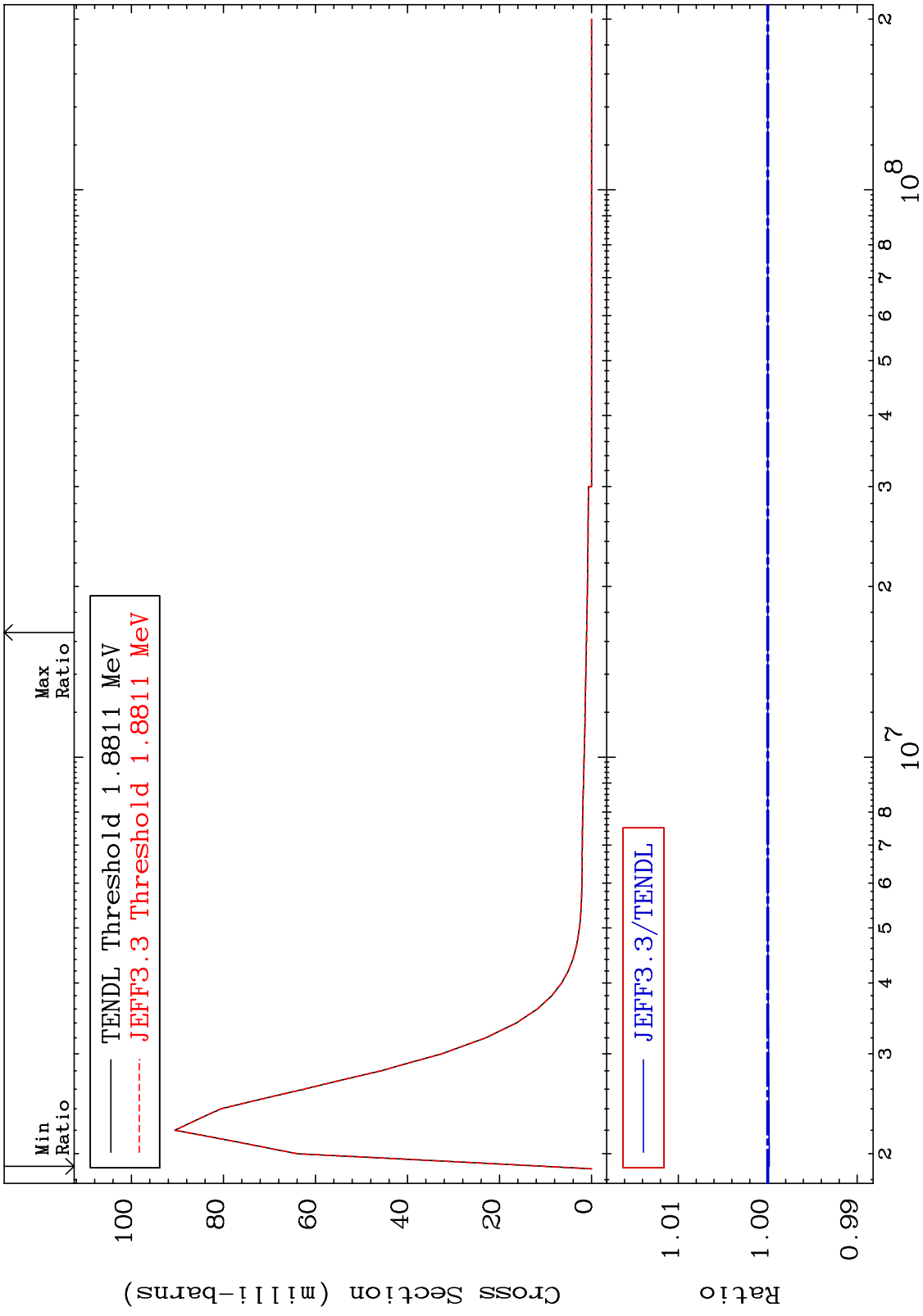




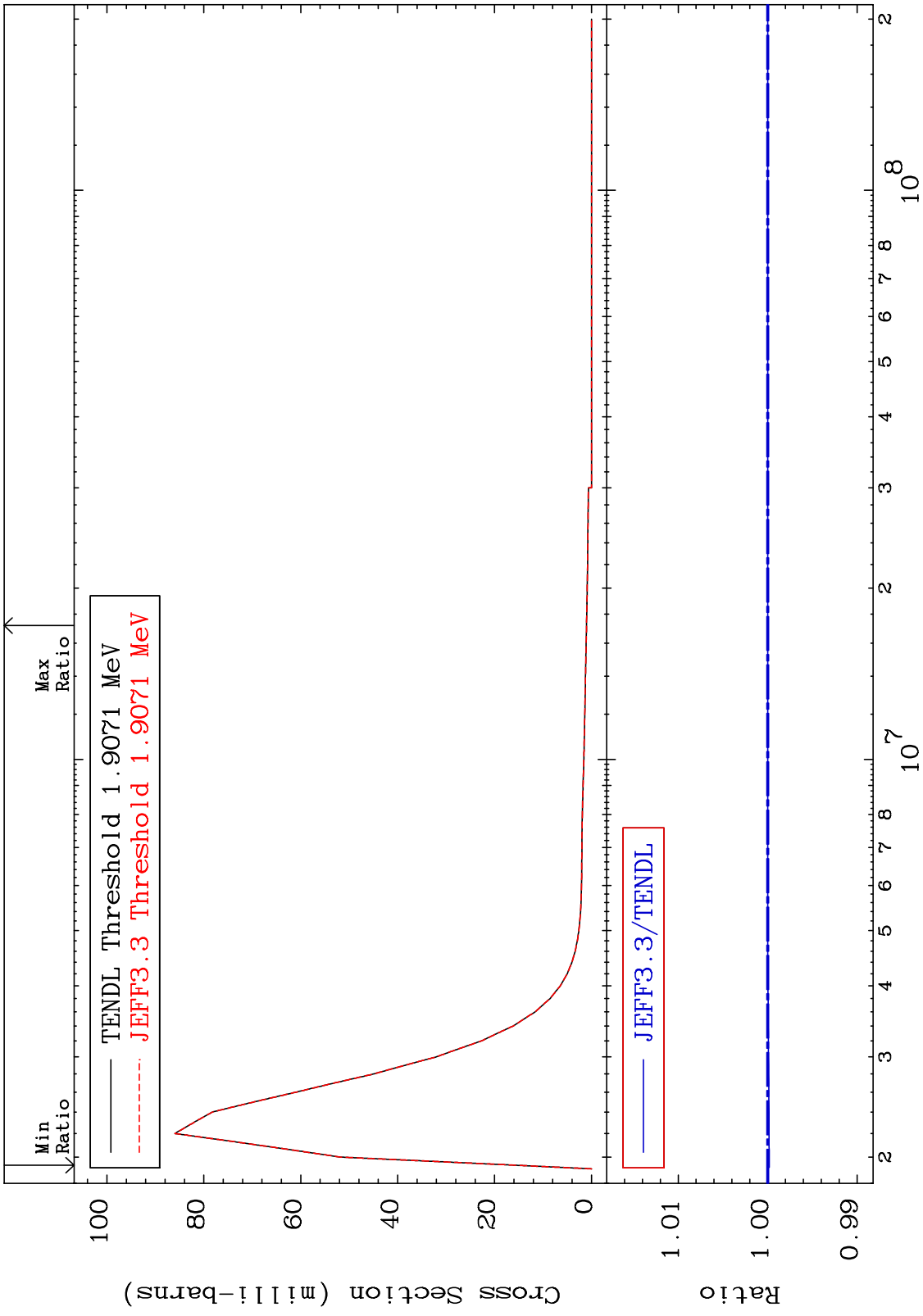
MAT 4649      MT= 65 (n,n') Level Cross Section      46-Pd-110  
 -0.057 To 0.808 %



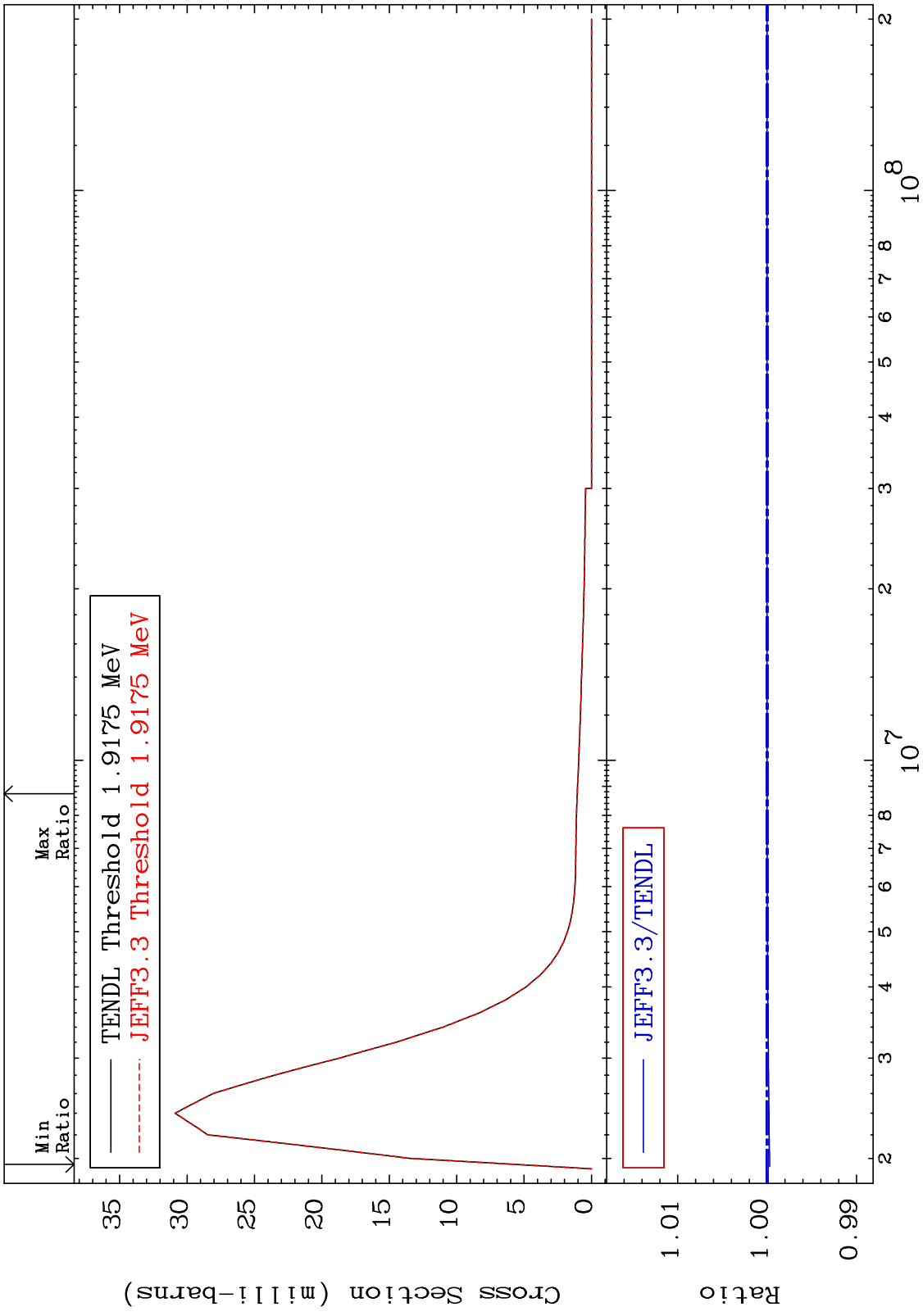
MAT 4649      MT= 66 (n,n') Level Cross Section      46-Pd-110  
 -0.017 To 0.000 %



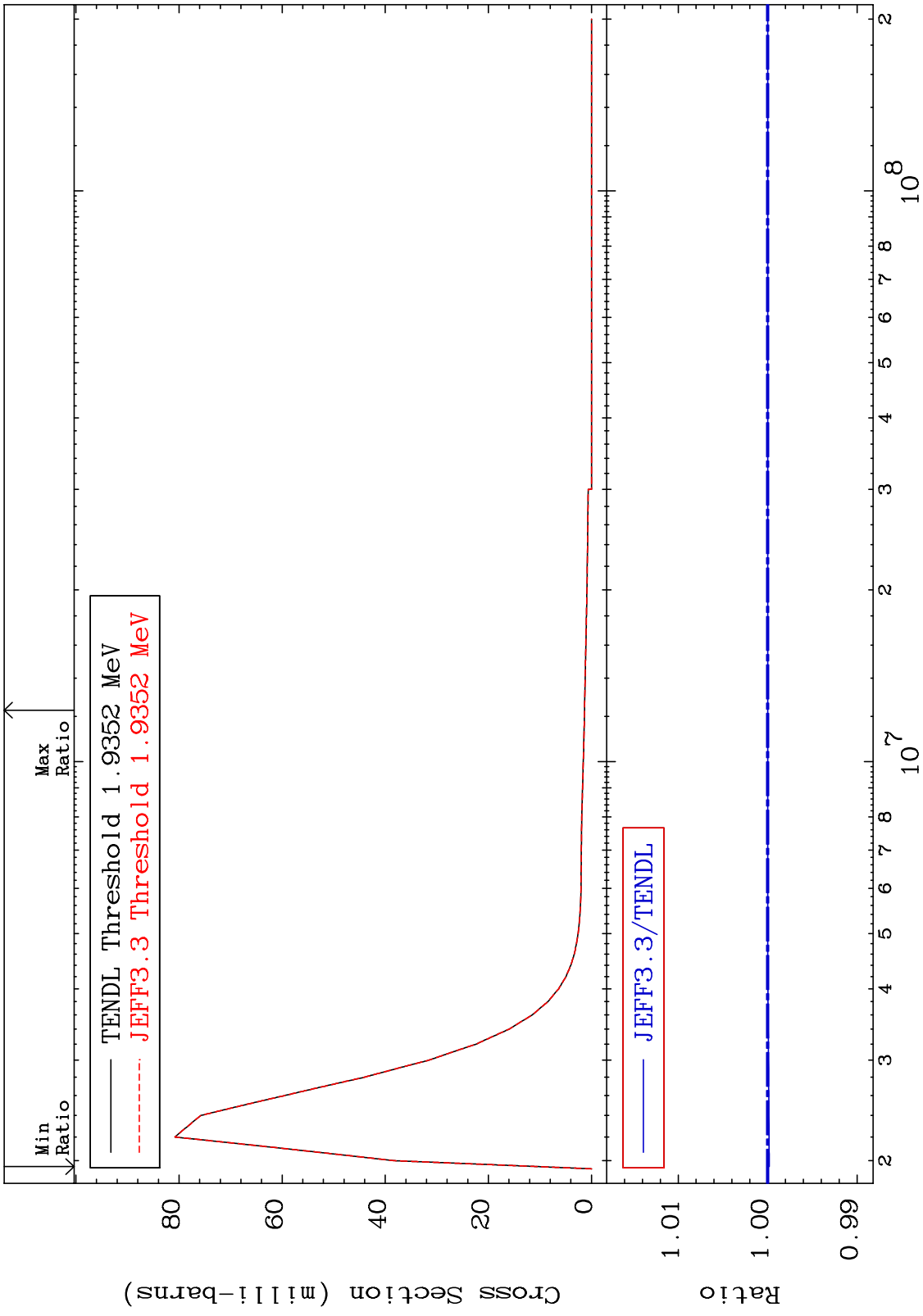
MAT 4649      MT= 67 (n,n') Level Cross Section      46-Pd-110  
 -0.018 To 0.000 %



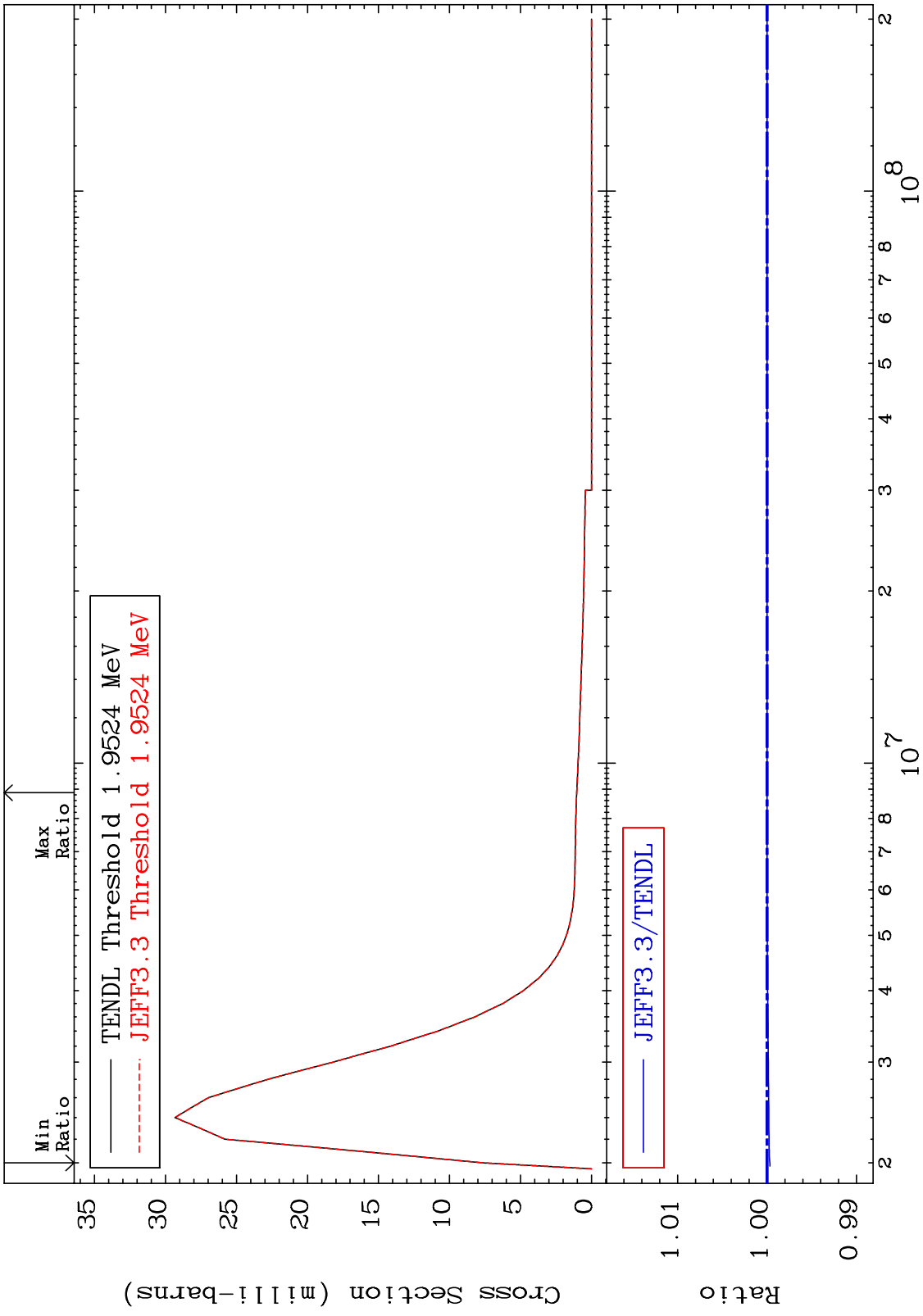
MAT 4649      MT= 68 (n,n') Level Cross Section      46-Pd-110  
 -0.028 To 0.000 %



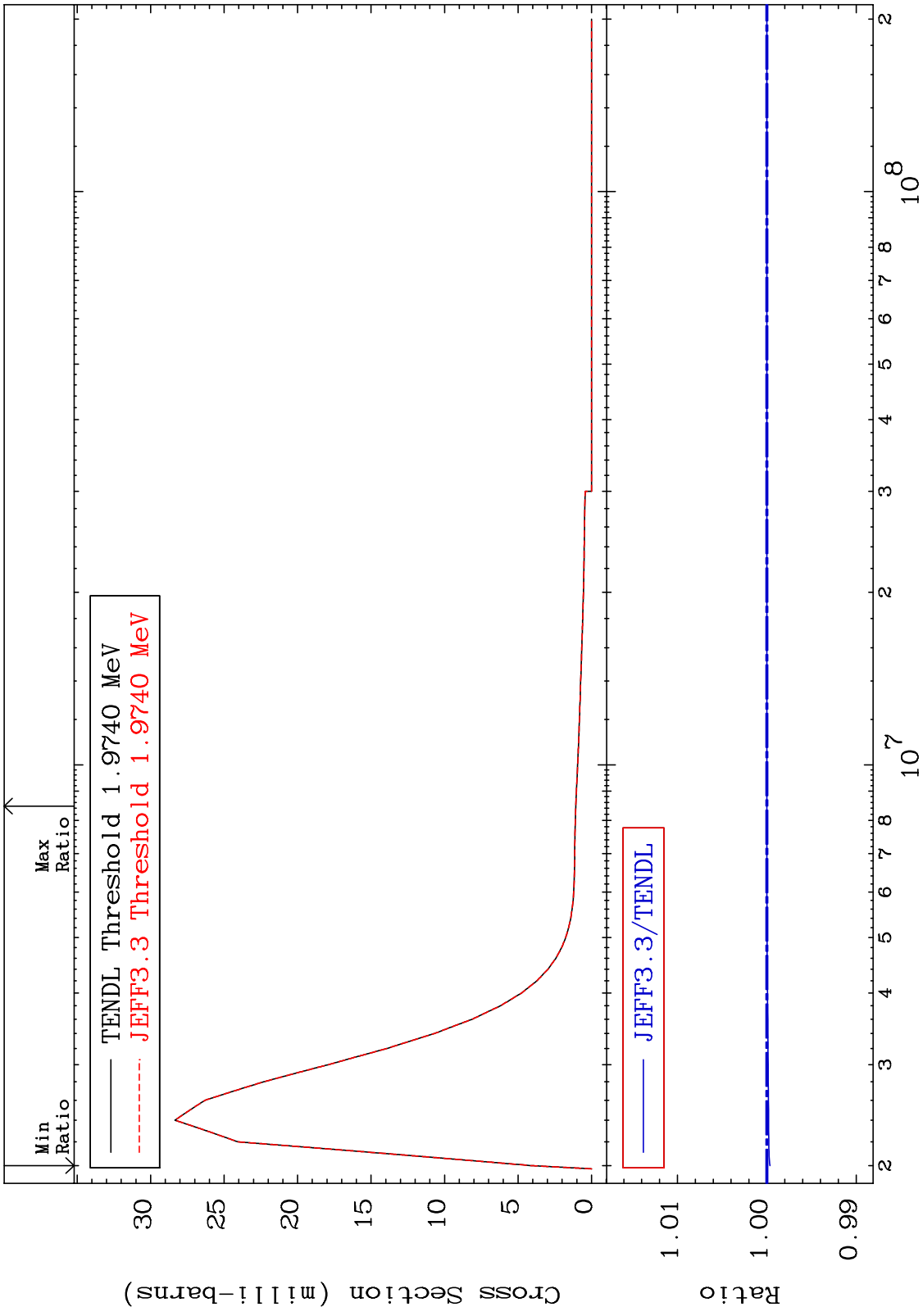
MAT 4649      MT= 69 (n,n') Level Cross Section      46-Pd-110  
 -0.018 To 0.000 %



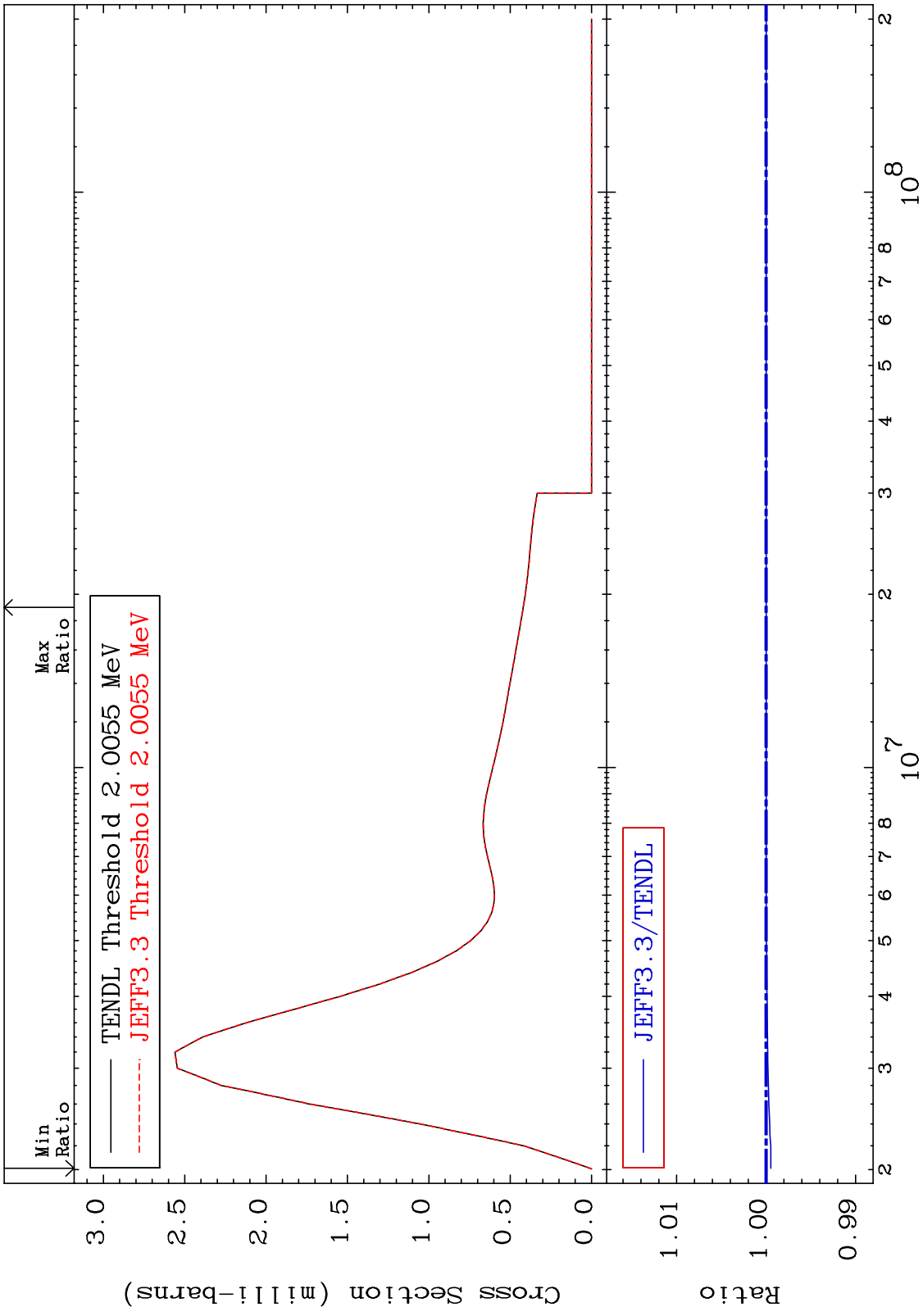
MAT 4649      MT= 70 (n,n') Level Cross Section      46-Pd-110  
 -0.031 To 0.000 %



MAT 4649      MT= 71 (n,n') Level Cross Section      46-Pd-110  
 -0.035 To 0.000 %

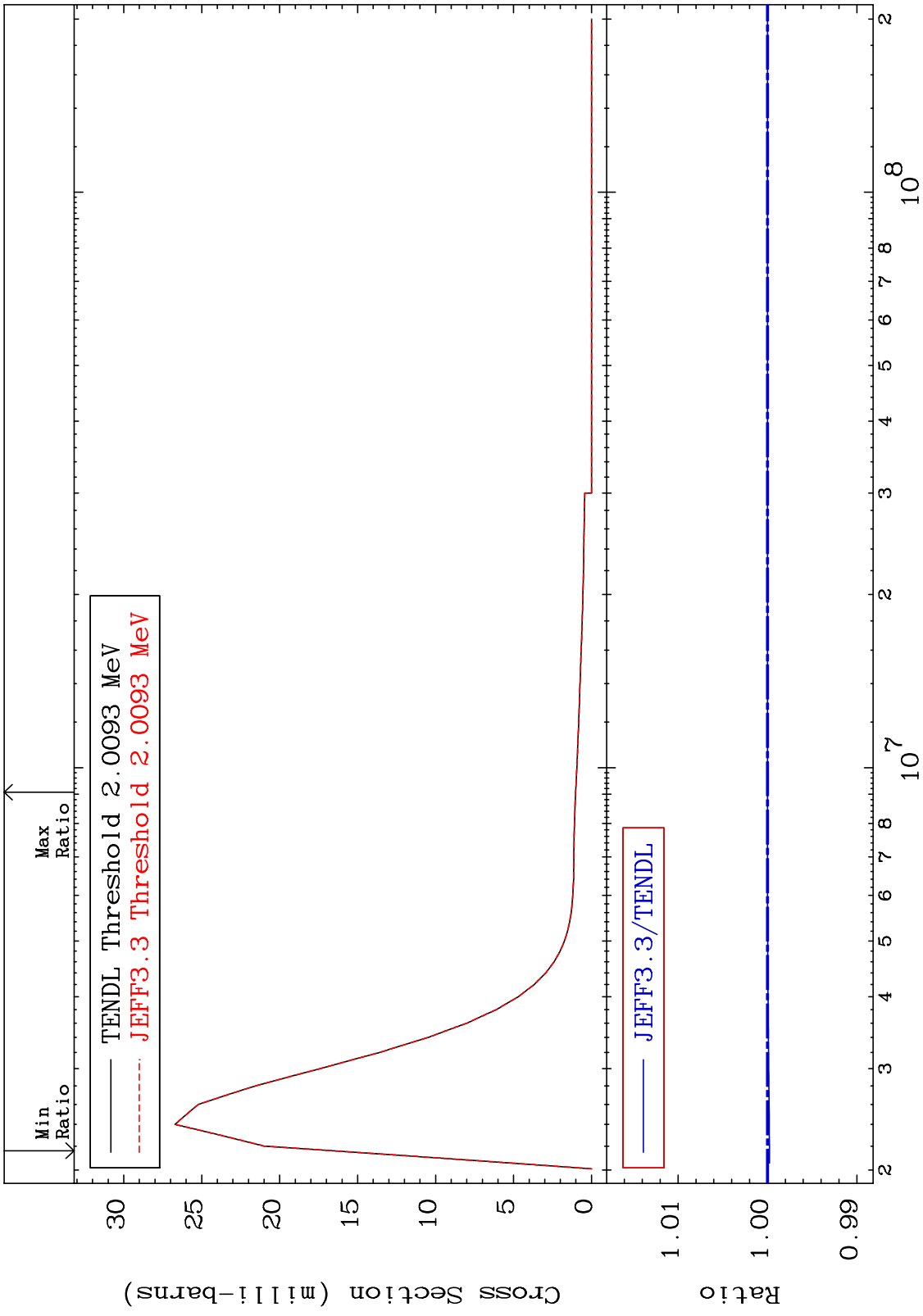


MAT 4649      MT= 72 (n,n') Level Cross Section      46-Pd-110  
 -0.052 To 0.000 %





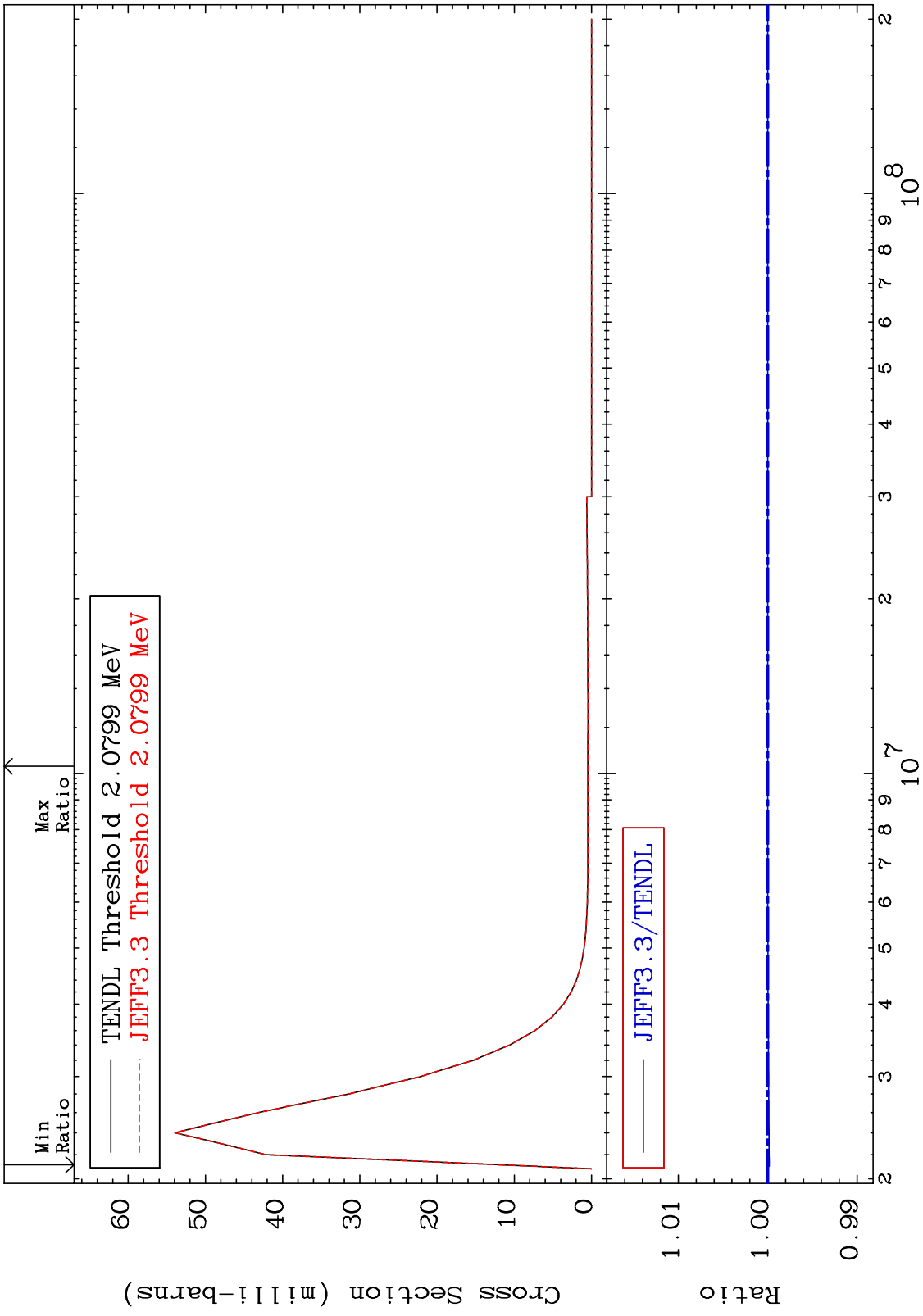
MAT 4649      MT= 73 (n,n') Level Cross Section      46-Pd-110  
 -0.022 To 0.000 %



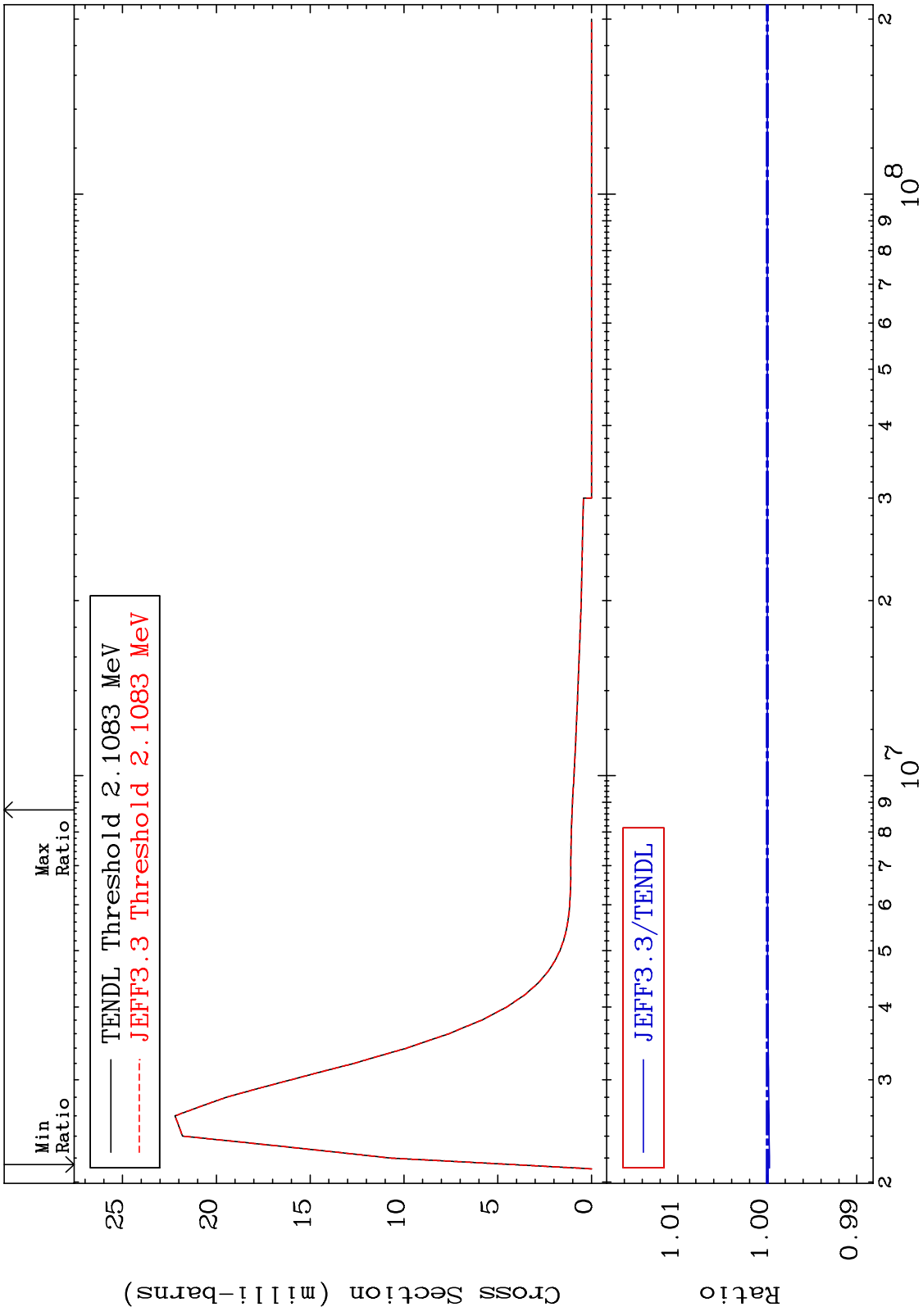
40      Incident Energy (eV)      46-Pd-110



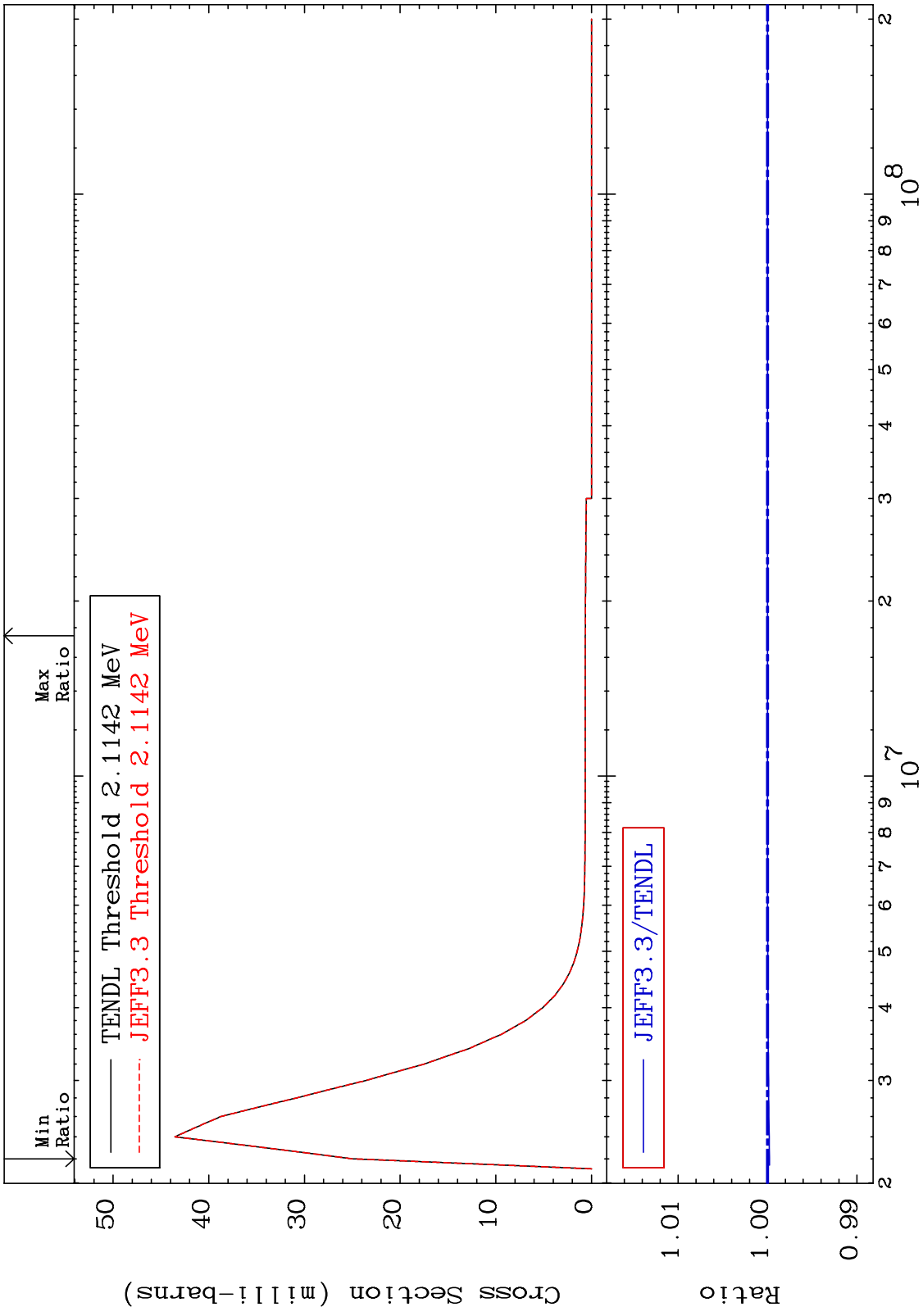
MAT 4649      MT= 75 (n,n') Level Cross Section      46-Pd-110  
 -0.016 To 0.000 %



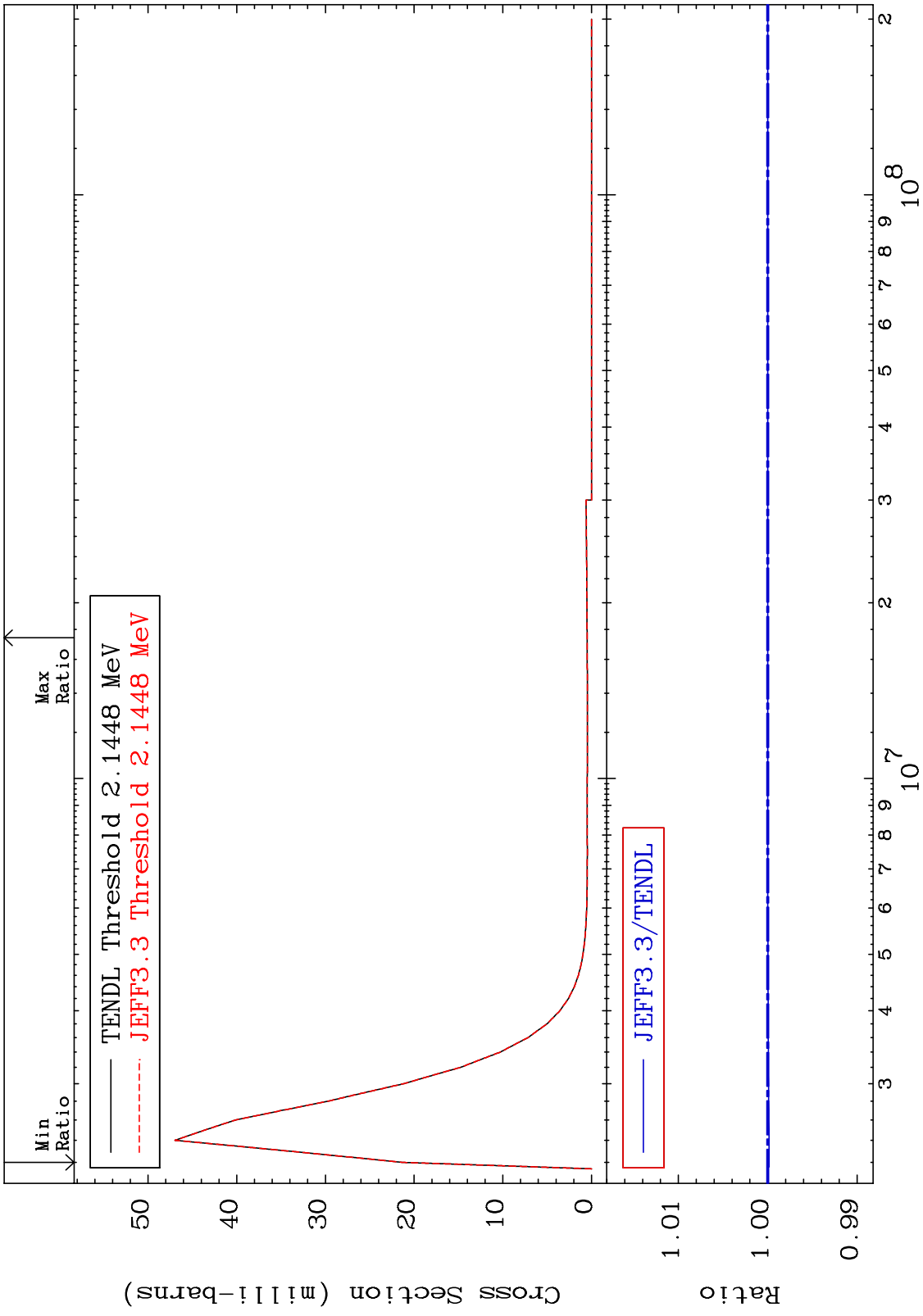
MAT 4649      MT= 76 (n,n') Level Cross Section      46-Pd-110  
 -0.024 To 0.000 %



MAT 4649      MT= 77 (n,n') Level Cross Section      46-Pd-110  
 -0.022 To 0.000 %

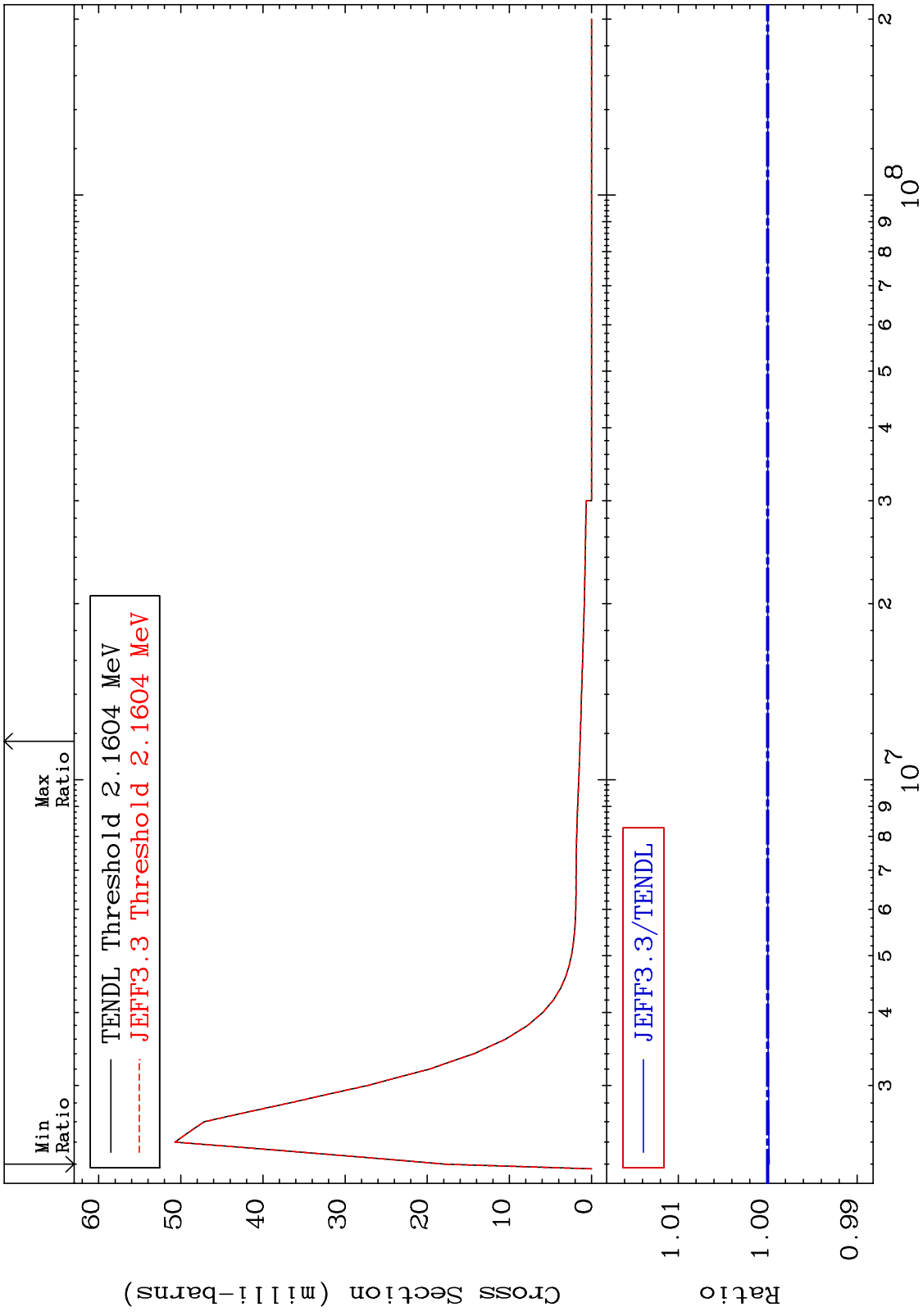


MAT 4649      MT= 78 (n,n') Level Cross Section      46-Pd-110  
 -0.015 To 0.000 %

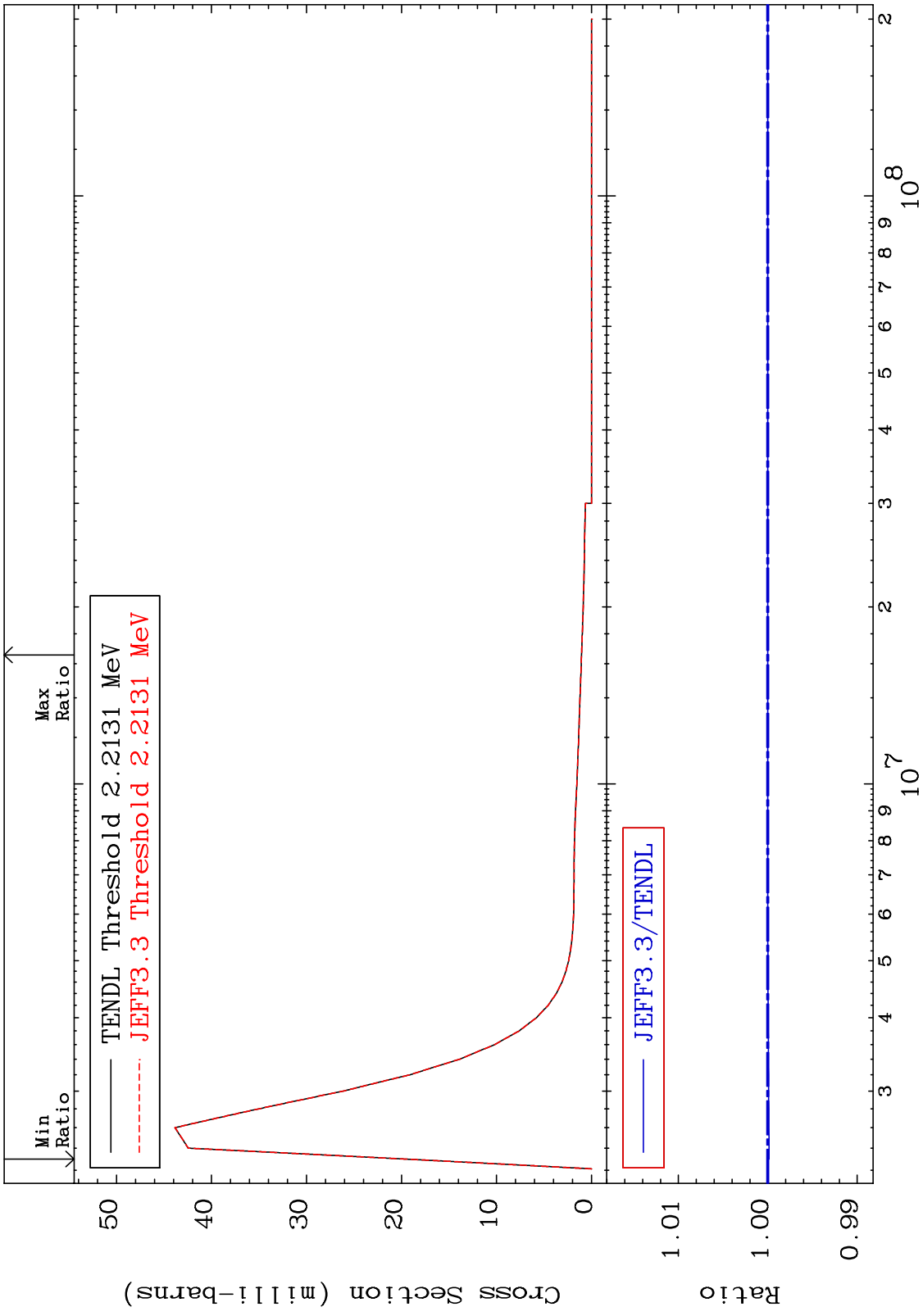


45      Incident Energy (eV)      46-Pd-110

MAT 4649      MT= 79 (n,n') Level Cross Section      46-Pd-110  
 -0.018 To 0.000 %

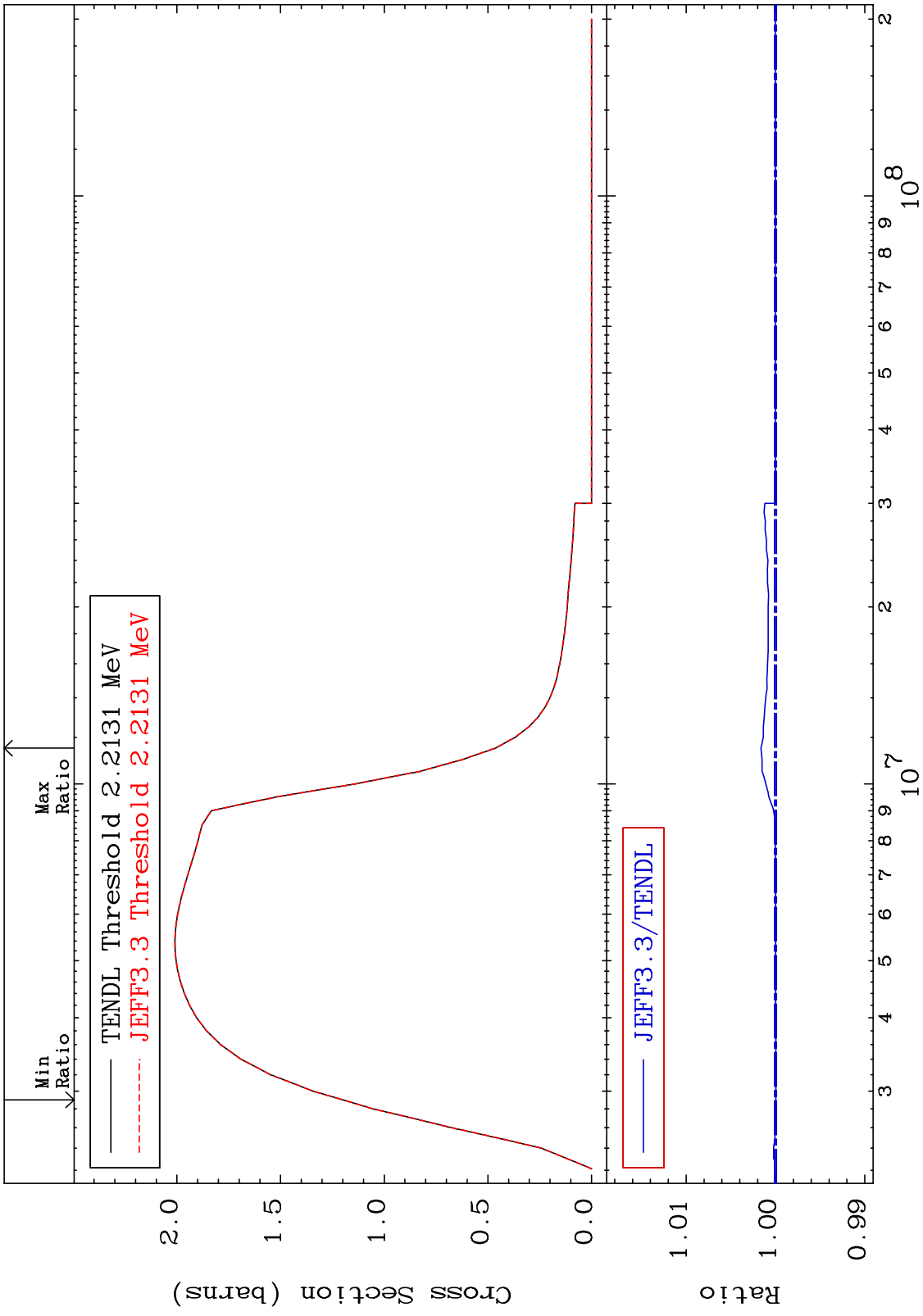


MAT 4649      MT= 80 (n,n') Level Cross Section      46-Pd-110  
 -0.014 To 0.000 %

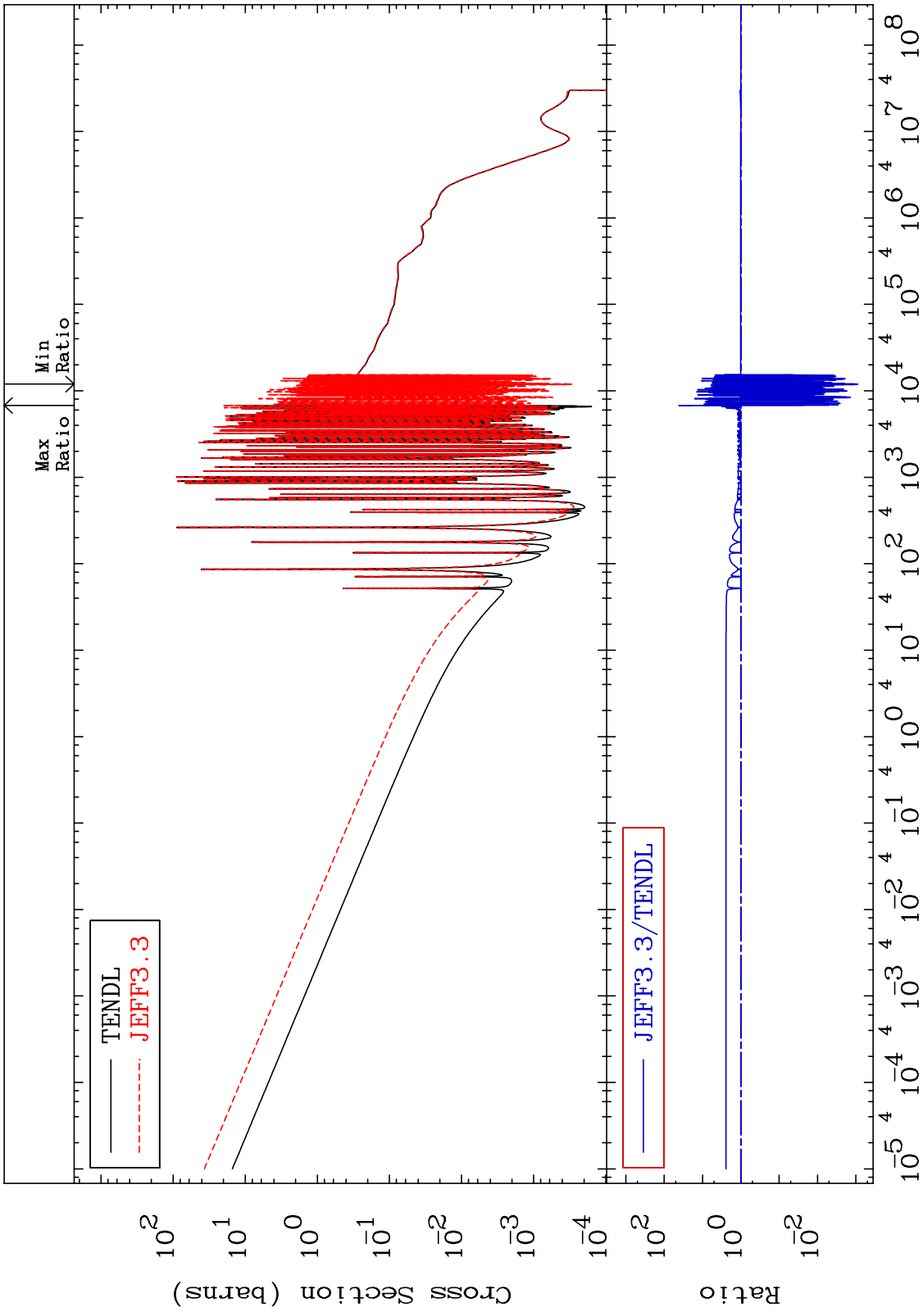




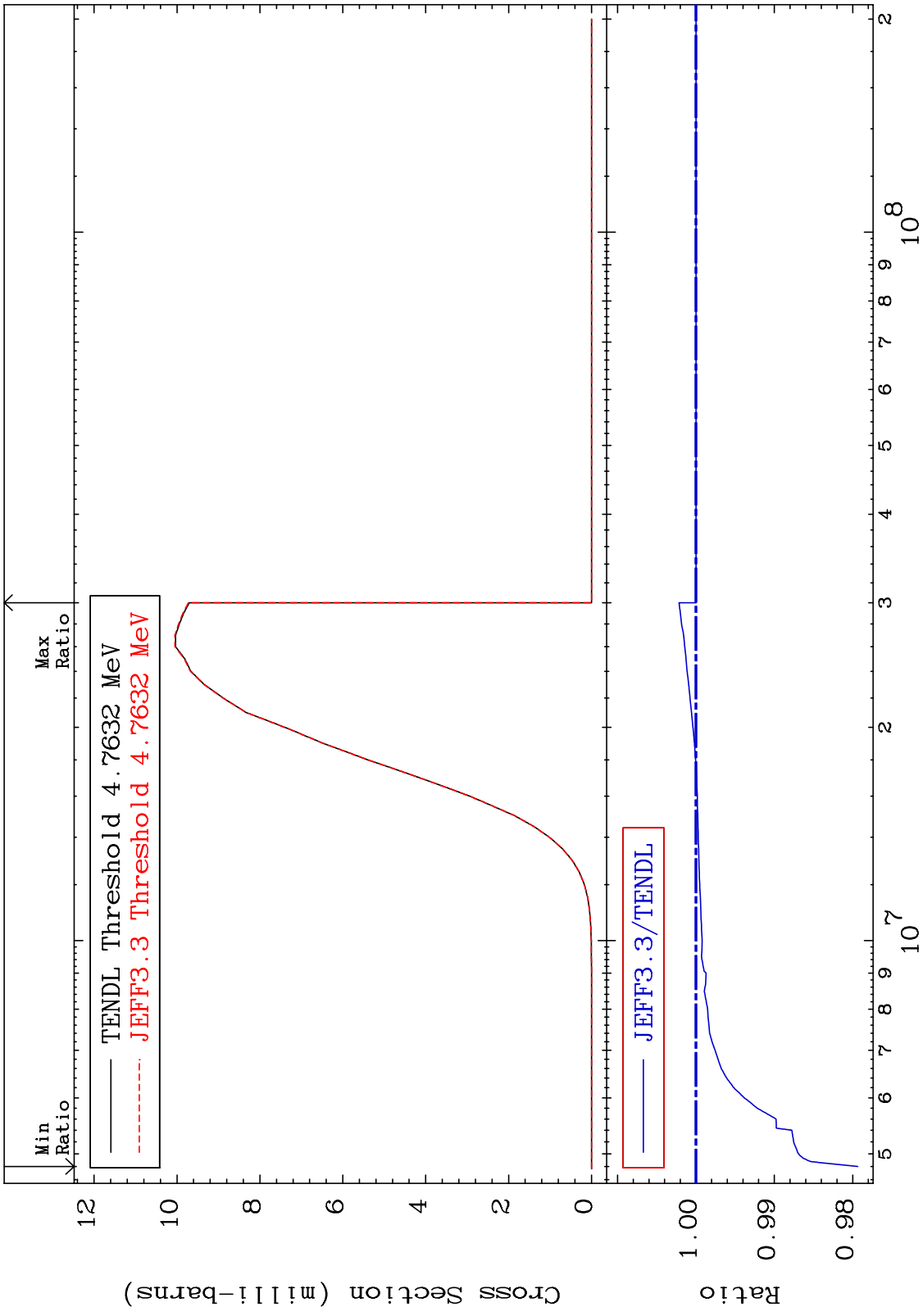
MAT 4649 (n, n') Continuum Cross Section 46-Pd-110 -0.004 To 0.162 %



MAT 4649  $(n, \gamma)$  Cross Section 46-Pd-110 -99.91 To 3998. %

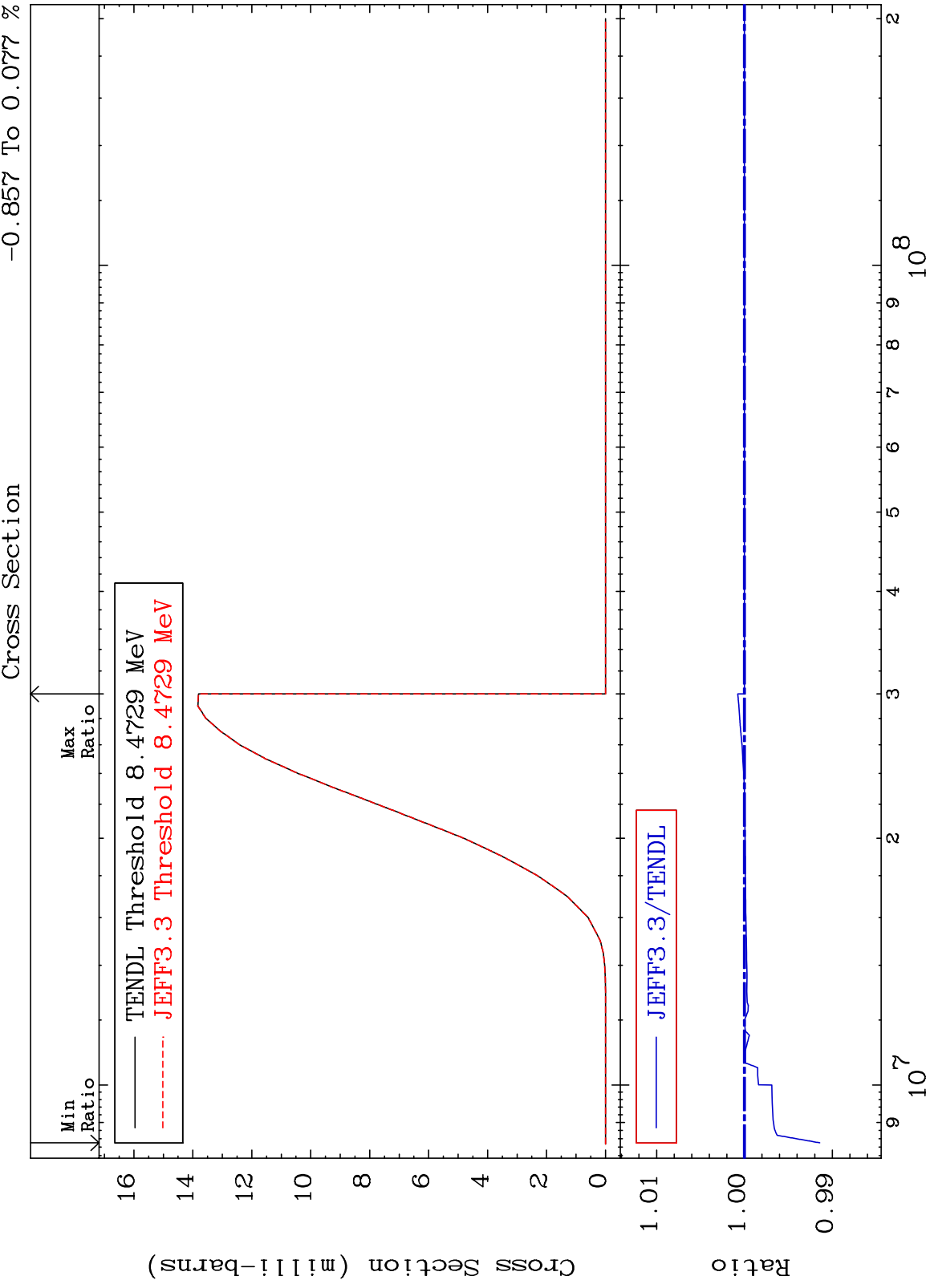


MAT 4649 (n,p) Cross Section 46-Pd-110 -2.066 To 0.216 %



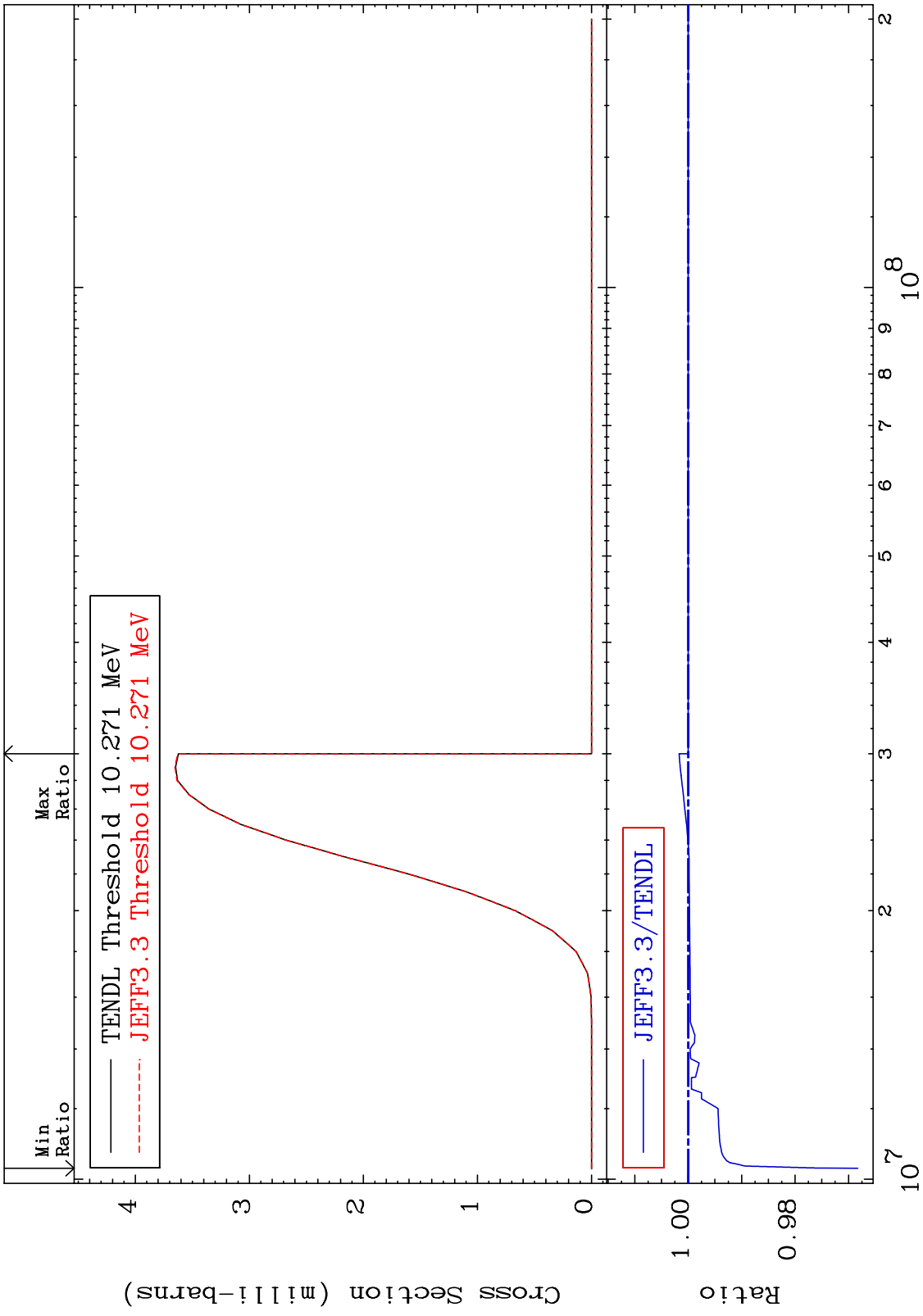
50 46-Pd-110

MAT 4649 (n,d) 46-Pd-110 -0.857 To 0.077 %



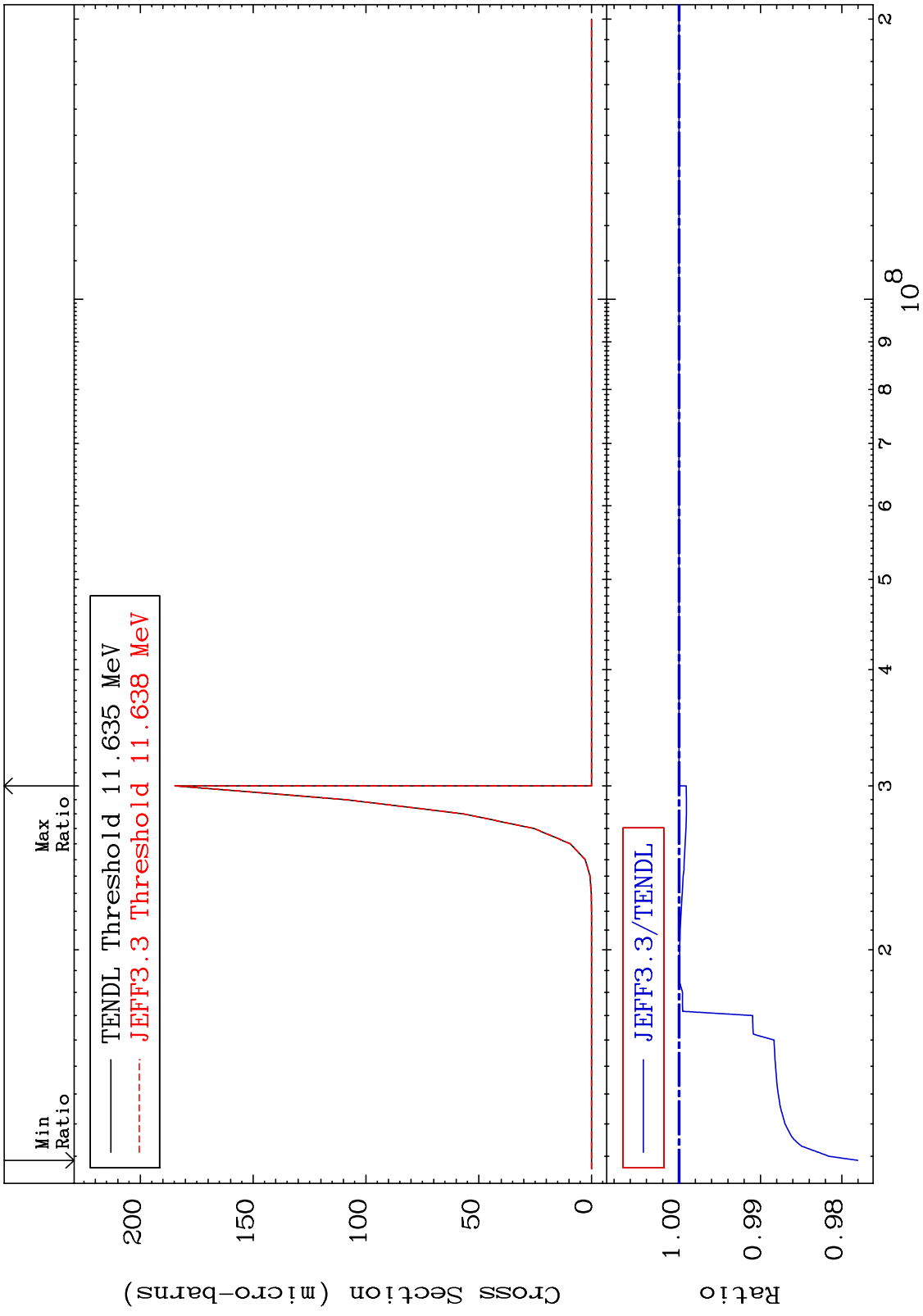
51 46-Pd-110

MAT 4649 (n,t) 46-Pd-110  
Cross Section -3.175 To 0.171 %

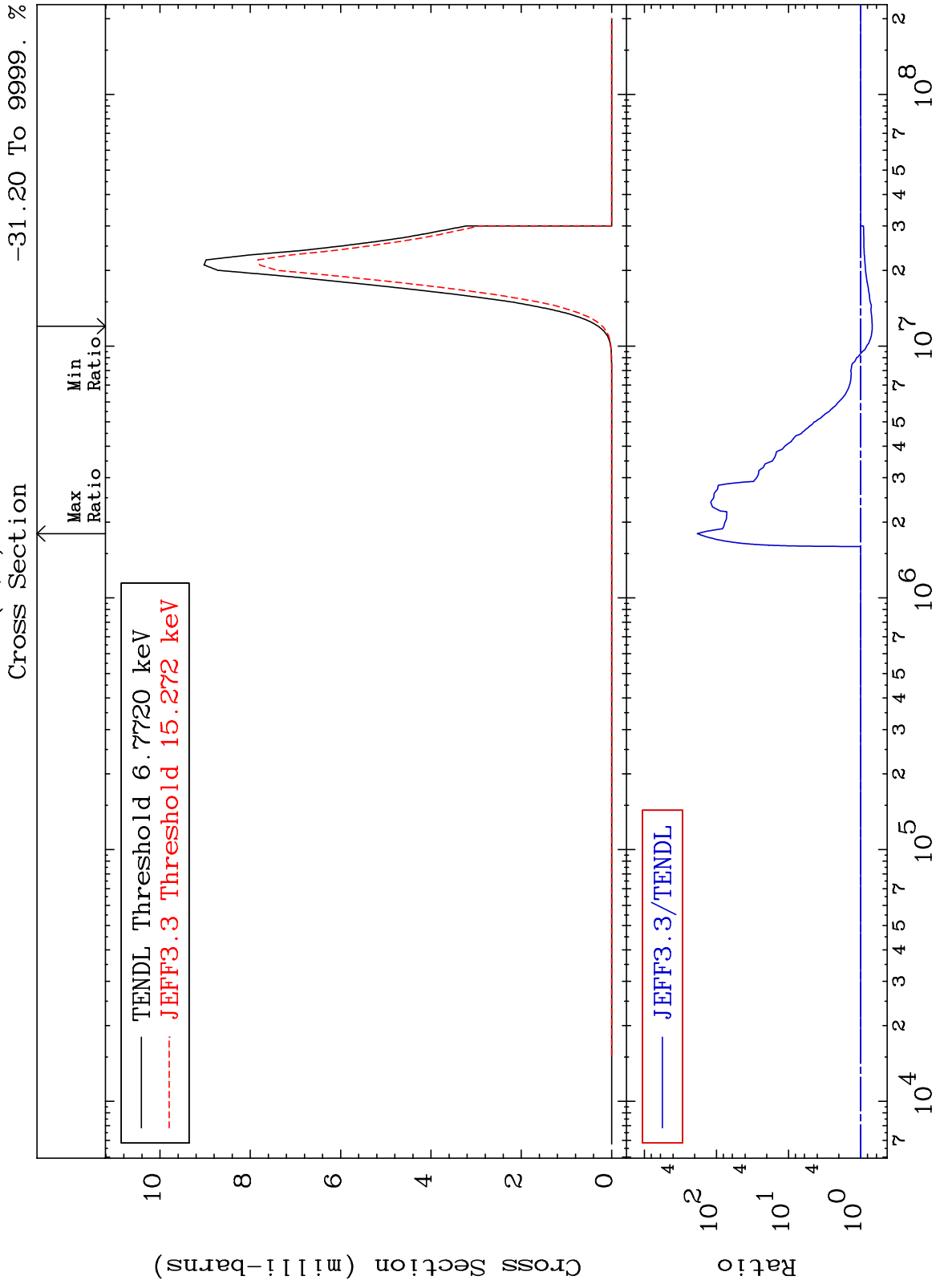


52 46-Pd-110

MAT 4649 (n, He-3) 46-Pd-110  
 Cross Section -2.197 To 0.000 %



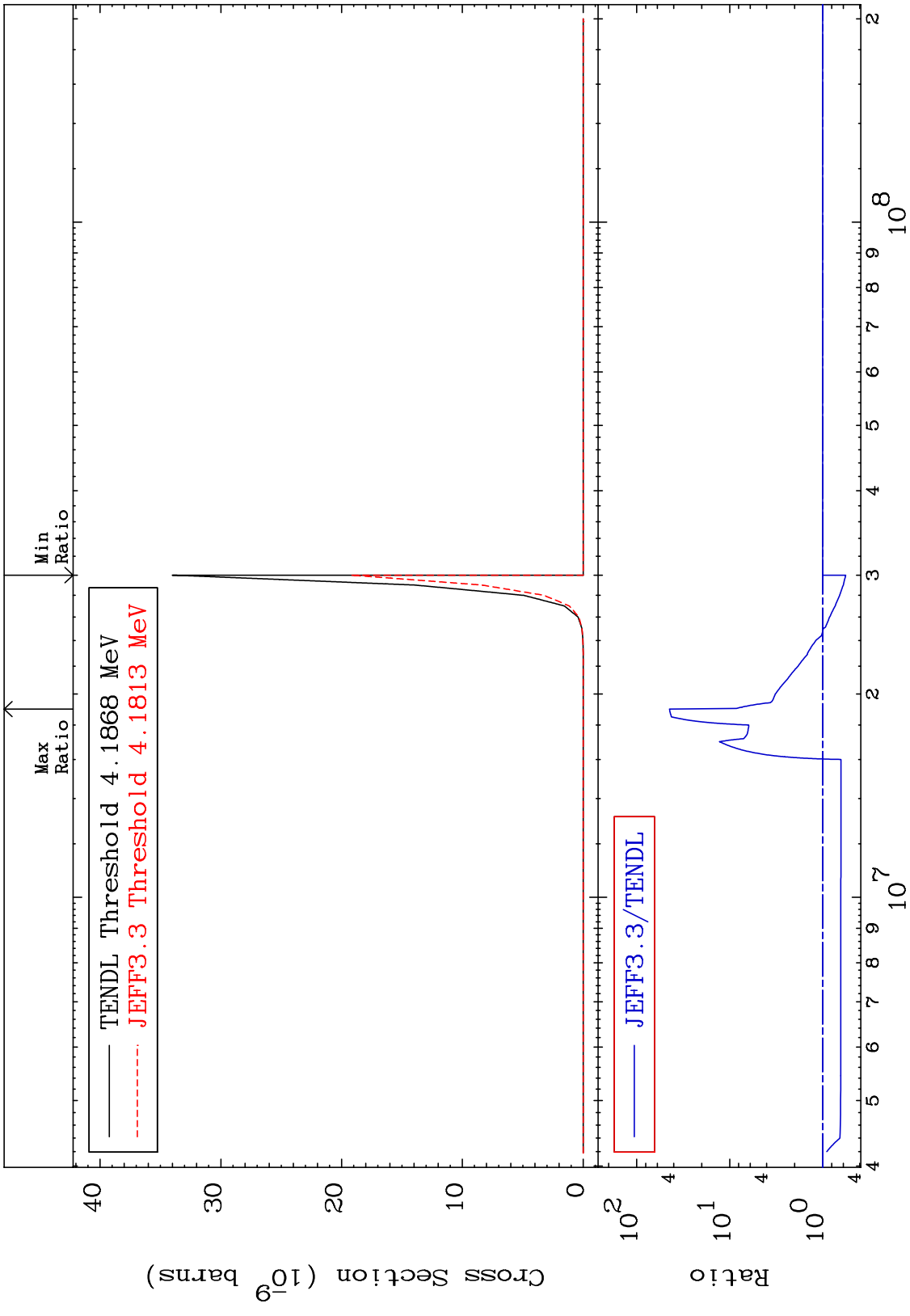
MAT 4649  $(n, \alpha)$  46-Pd-110 -31.20 To 9999. %



46-Pd-110

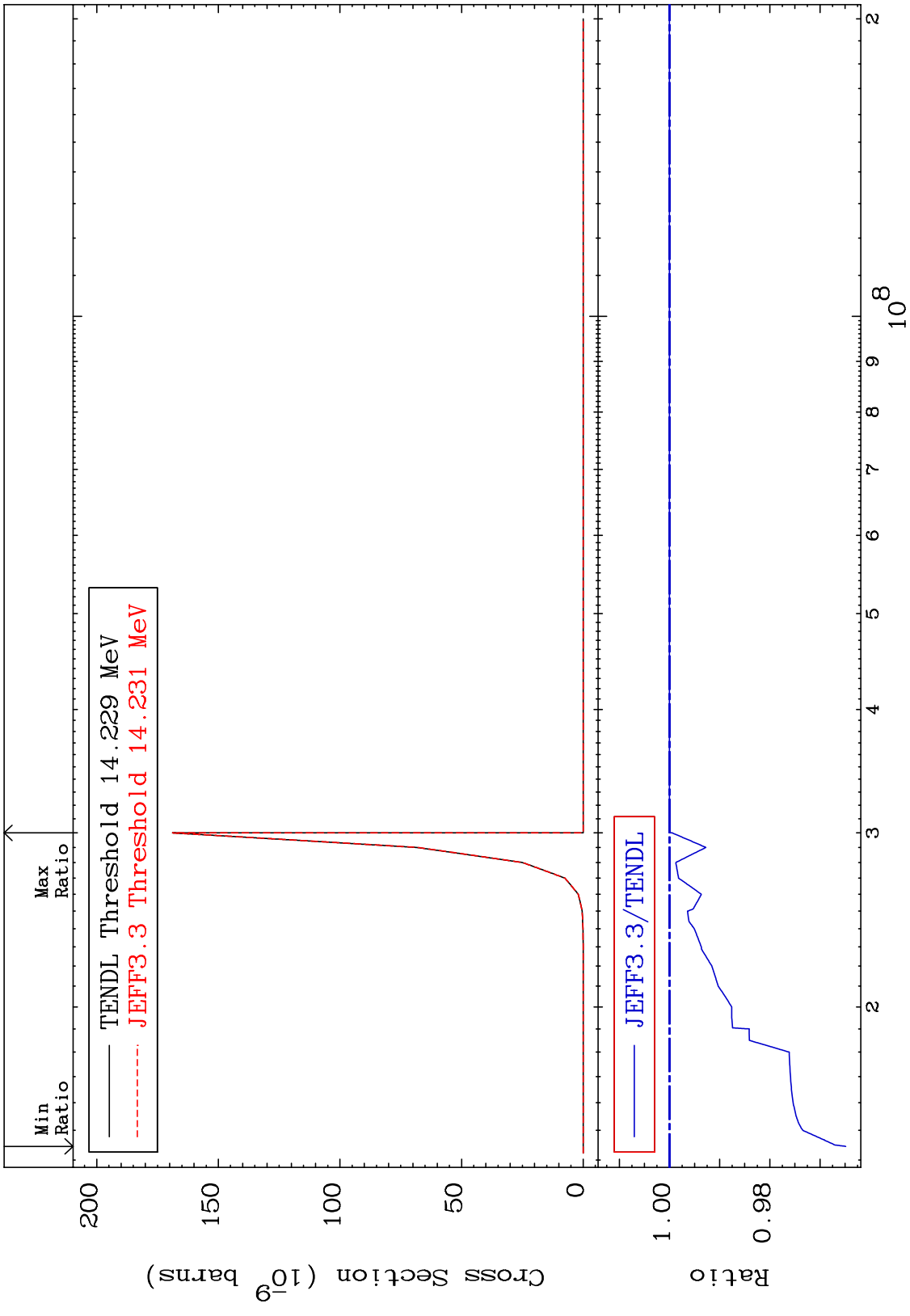
Incident Energy (eV)

MAT 4649  $(n, 2\alpha)$  46-Pd-110  
 Cross Section -43.43 To 4337. %

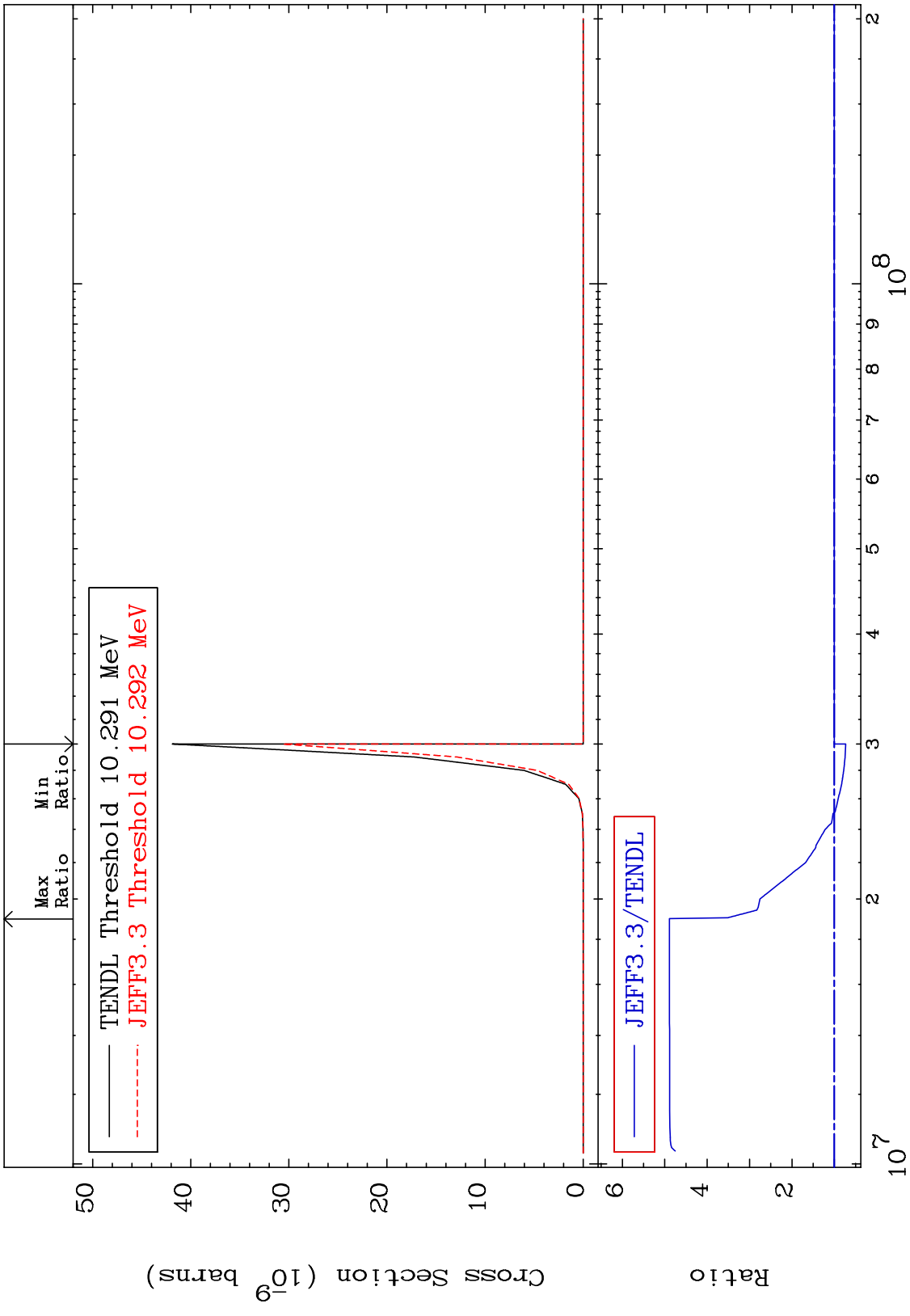




MAT 4649 (n,2p) Cross Section 46-Pd-110 -3.514 To 0.000 %

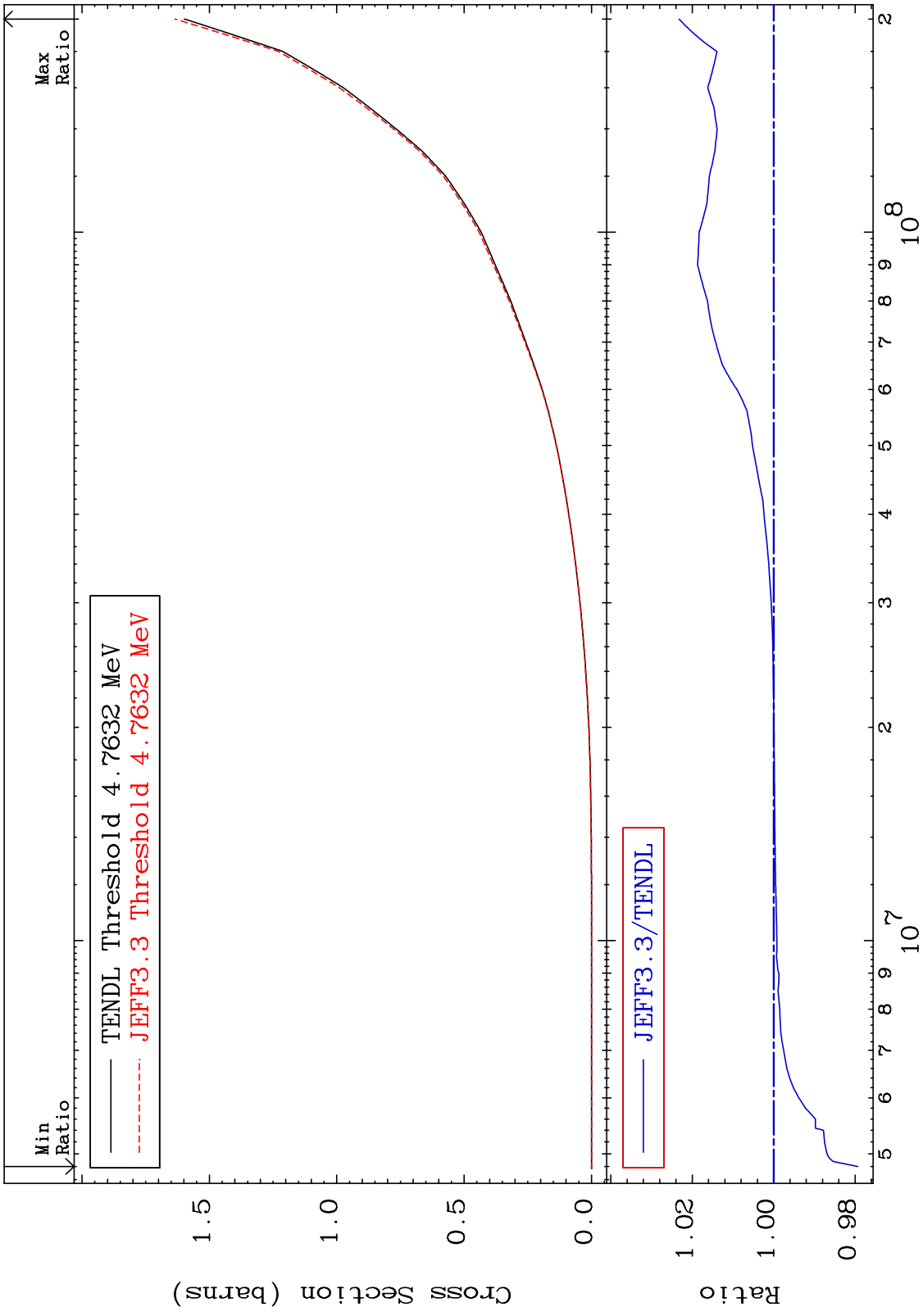


MAT 4649 (n,p)  $\alpha$  46-Pd-110  
Cross Section -26.86 To 388.8 %



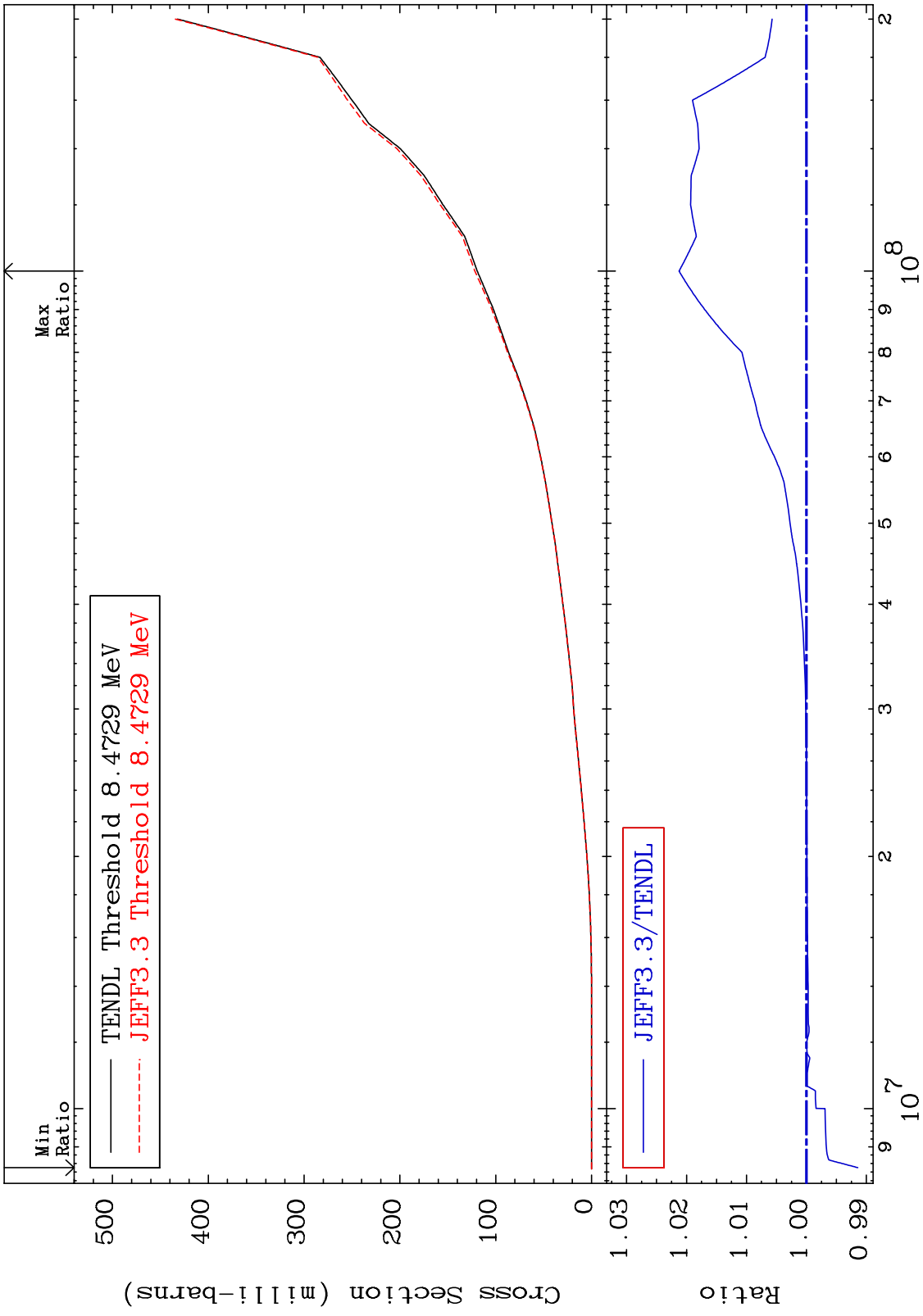
57 46-Pd-110

MAT 4649 Hydrogen Production Cross Section 46-Pd-110 -2.066 To 2.326 %

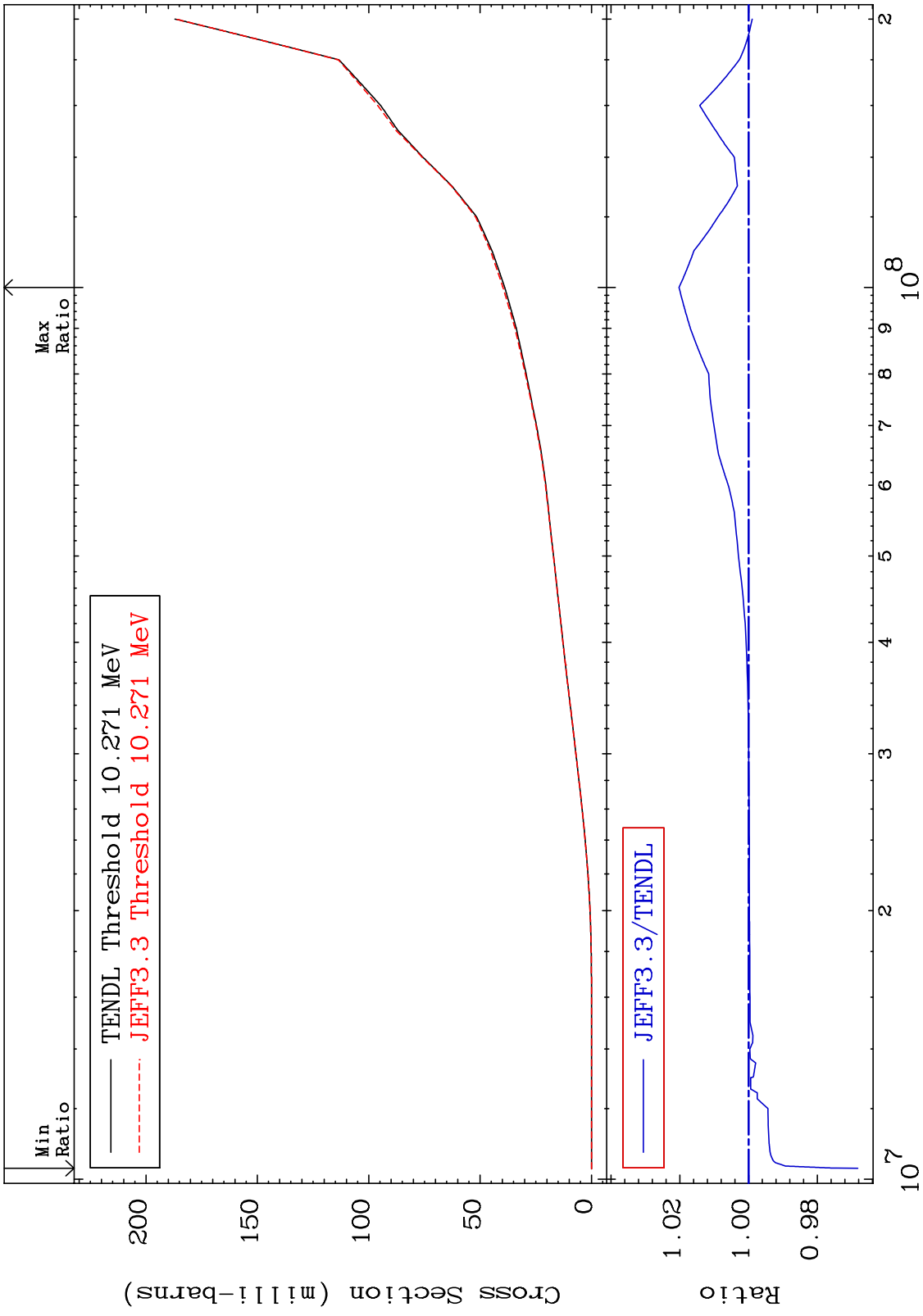


58 46-Pd-110

MAT 4649 Deuterium Production Cross Section 46-Pd-110 -0.857 To 2.125 %

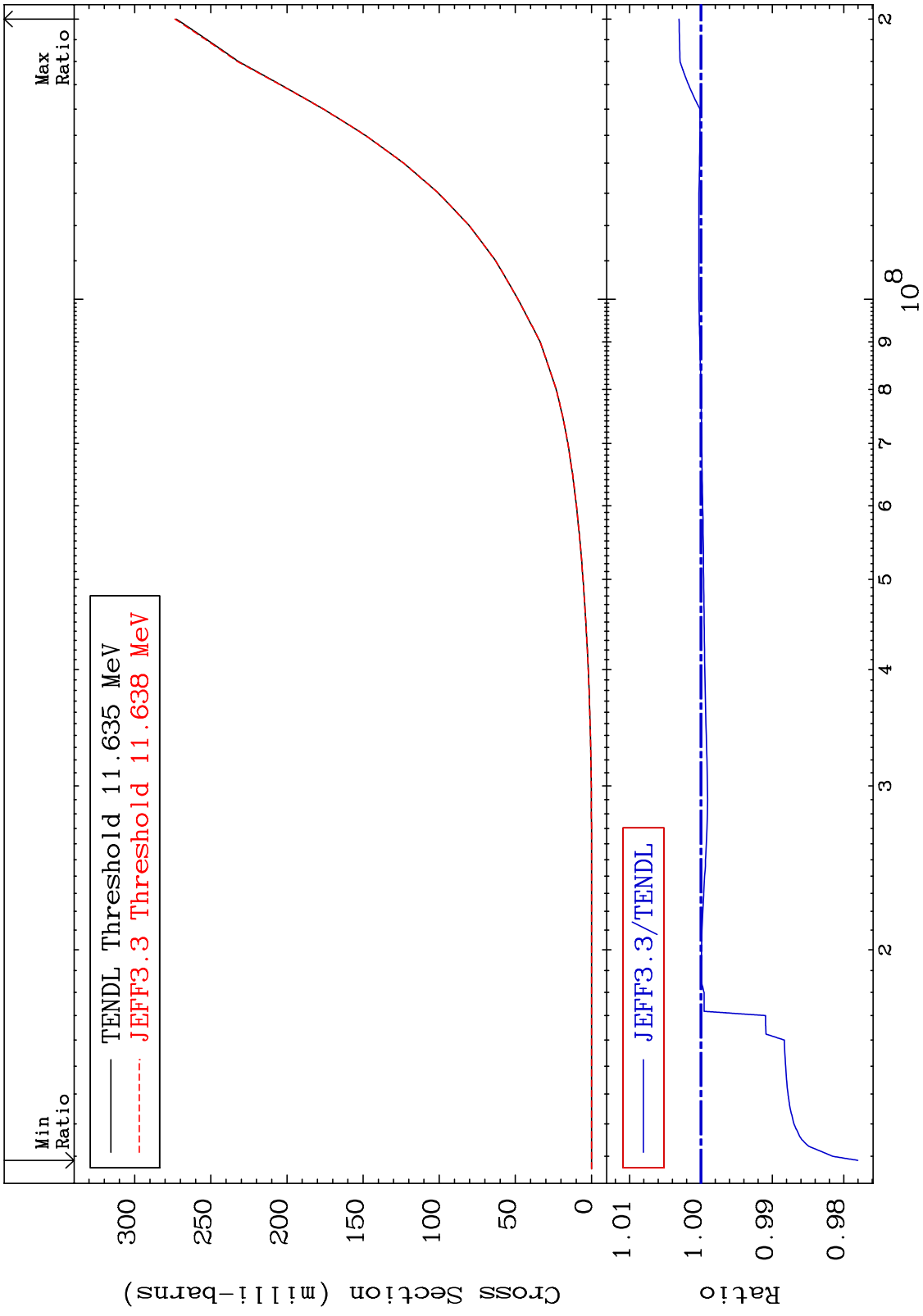


MAT 4649 Tritium Production Cross Section 46-Pd-110 -3.175 To 2.022 %



60 Incident Energy (eV) 46-Pd-110

MAT 4649 He-3 Production Cross Section 46-Pd-110  
 -2.197 To 0.307 %

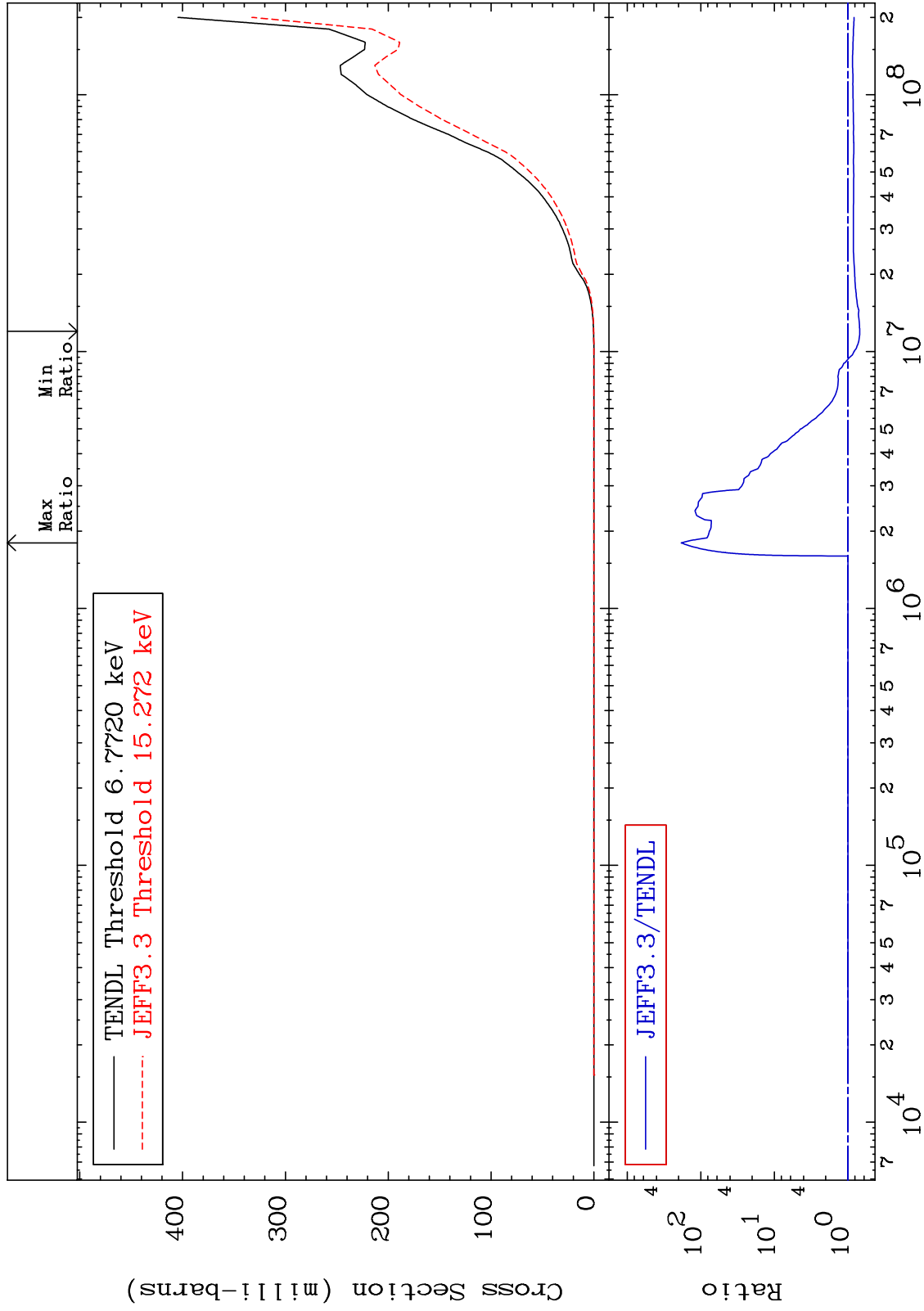


61 46-Pd-110

MAT 4649

He-4 Production  
Cross Section

46-Pd-110  
-31.18 To 9999. %

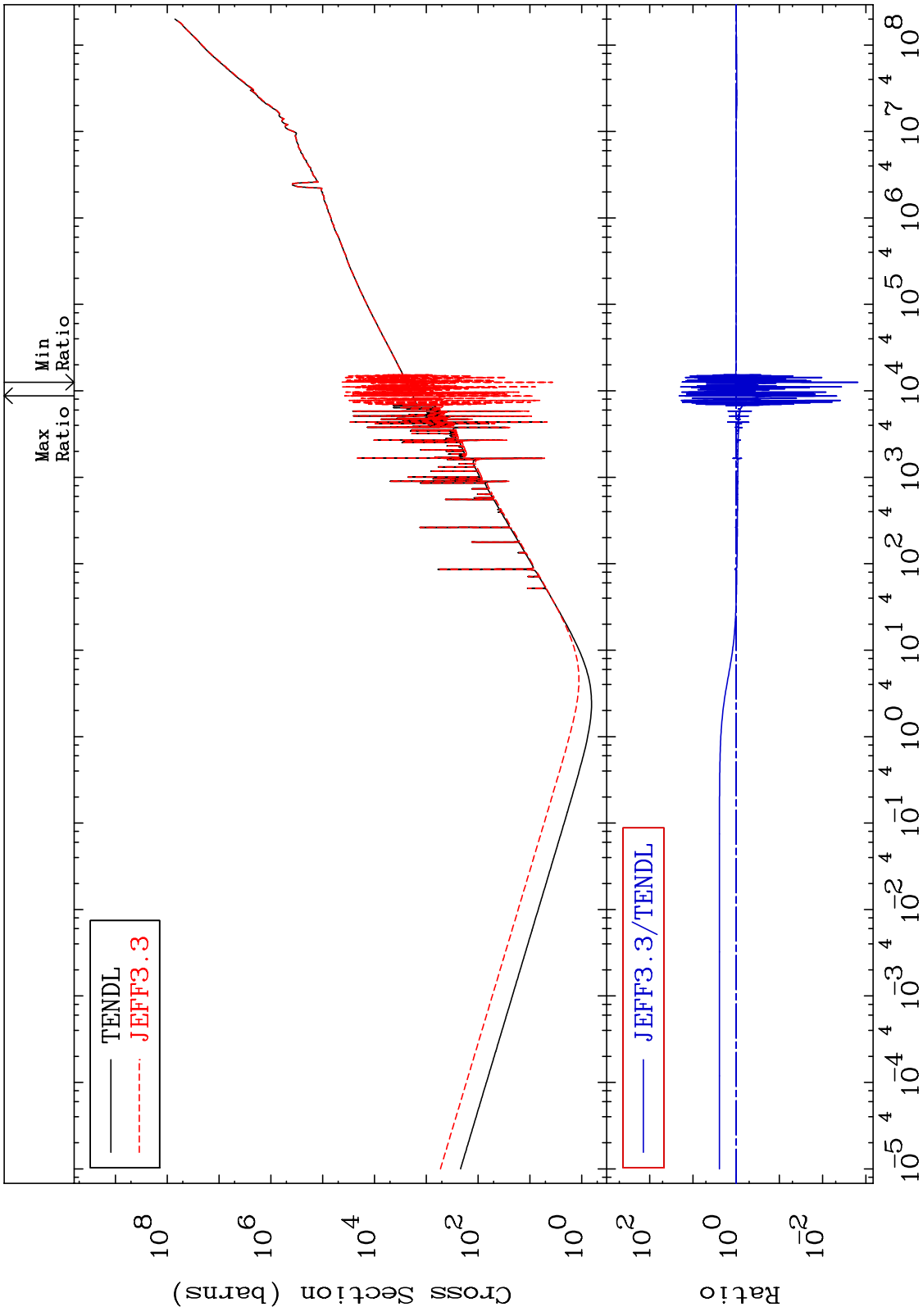


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Incident Energy (eV)

46-Pd-110

MAT 4649      Kerma total (eV-barns)      46-Pd-110  
 Cross Section      -99.85 To 1988. %

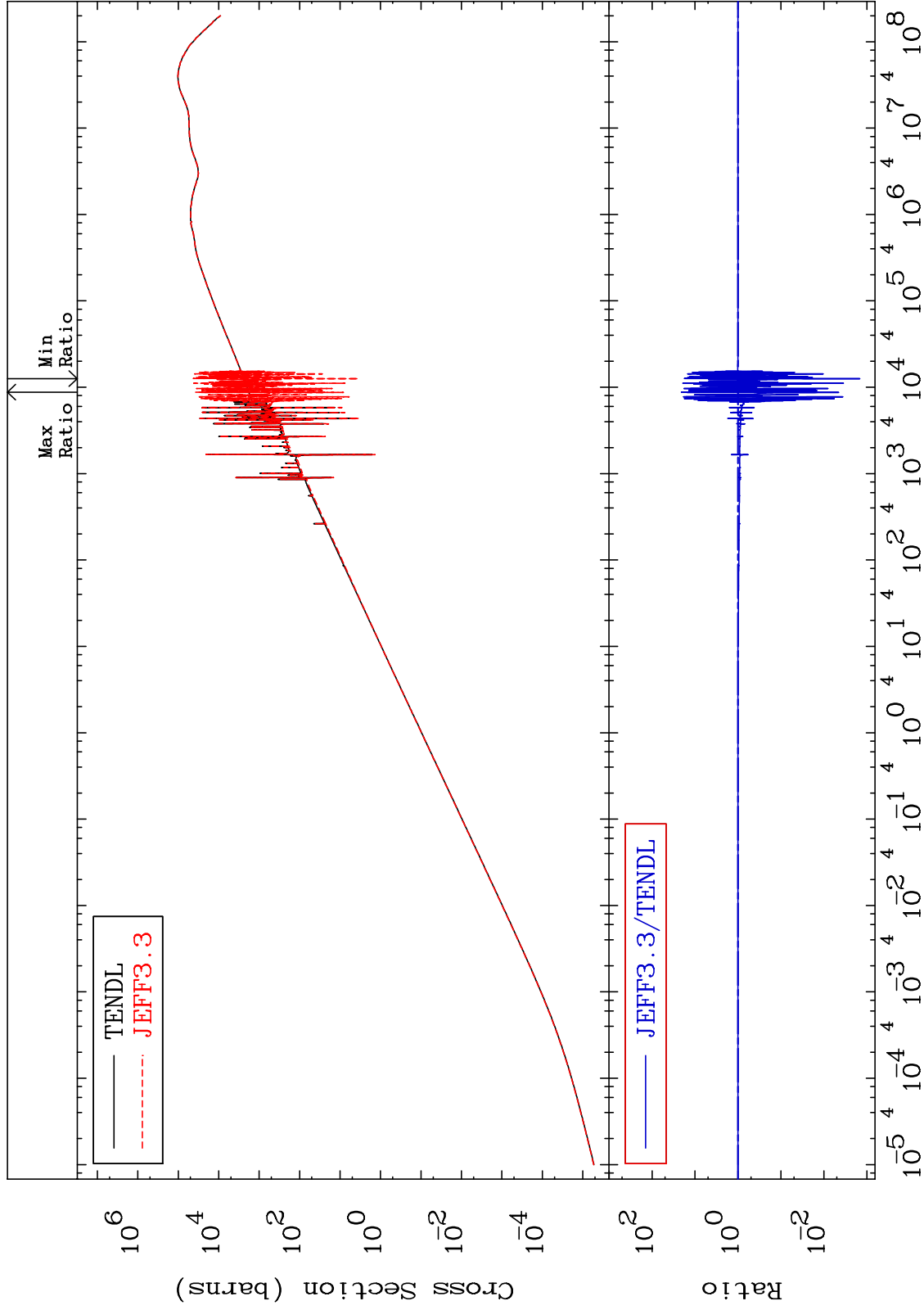




MAT 4649

Kerma elastic  
Cross Section

46-Pd-110  
-99.85 To 1993. %

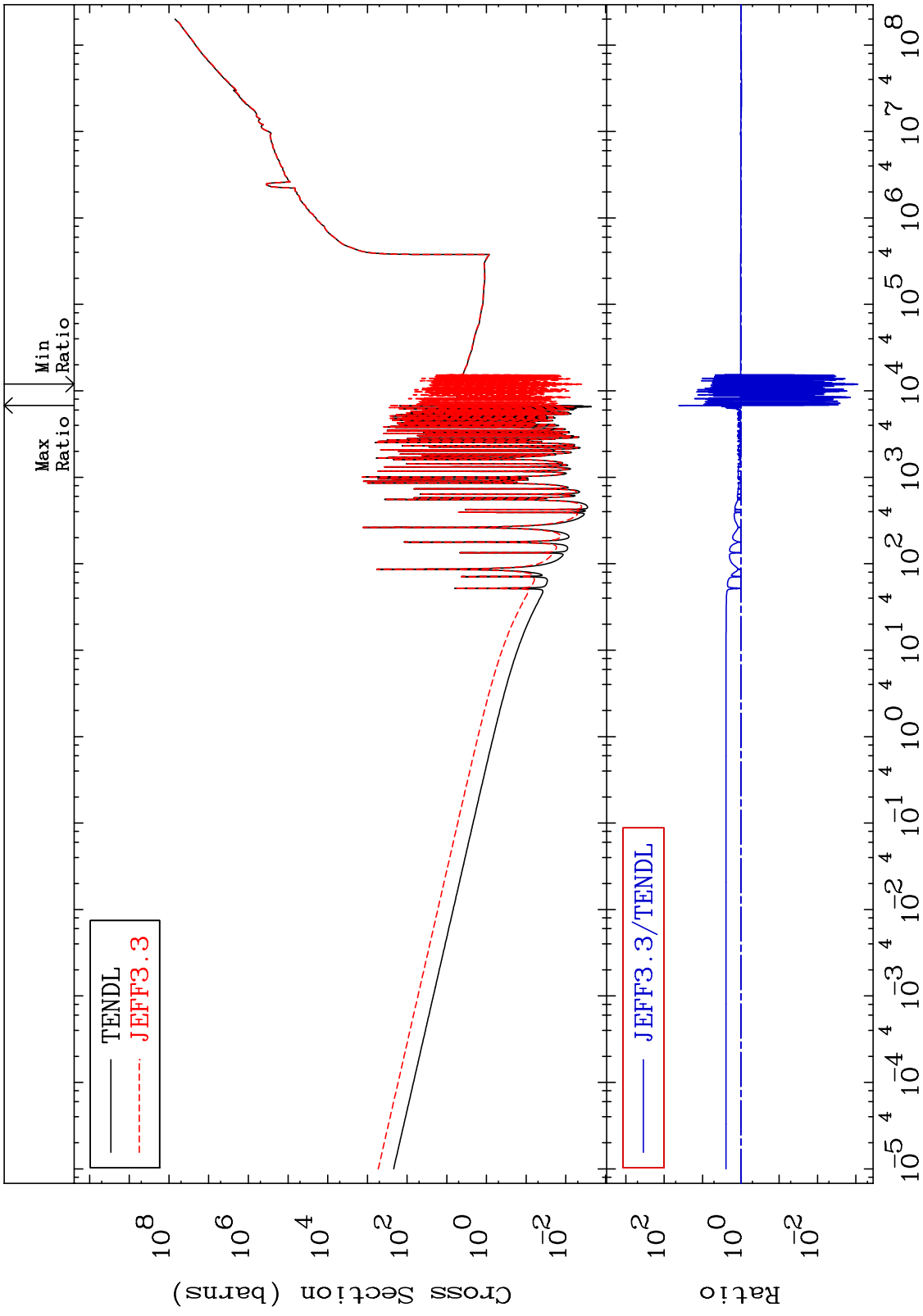


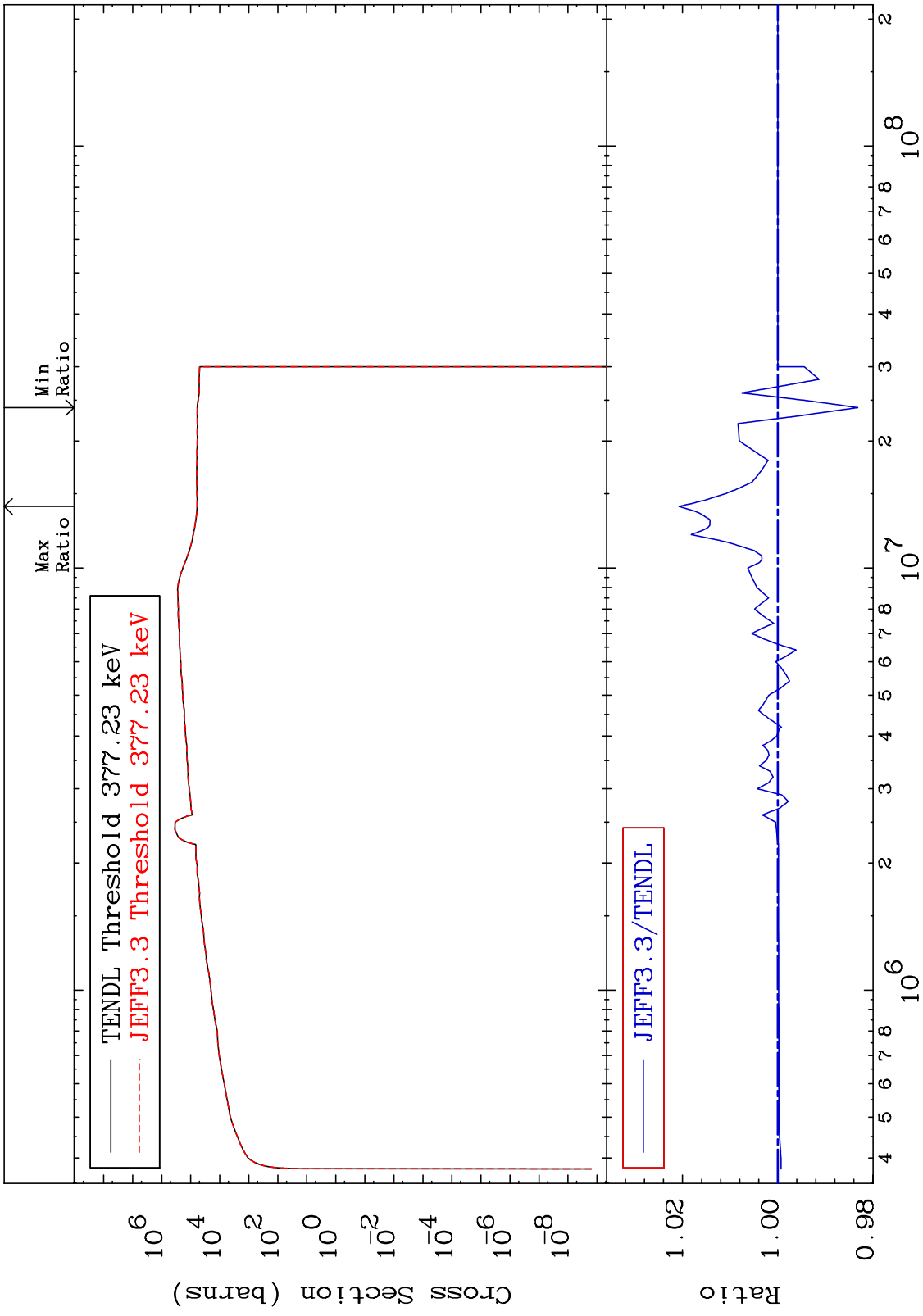
64

Incident Energy (eV)

46-Pd-110

MAT 4649      Kerma non-elastic (all but mt2)      46-Pd-110  
 Cross Section      -99.91 To 3998. %

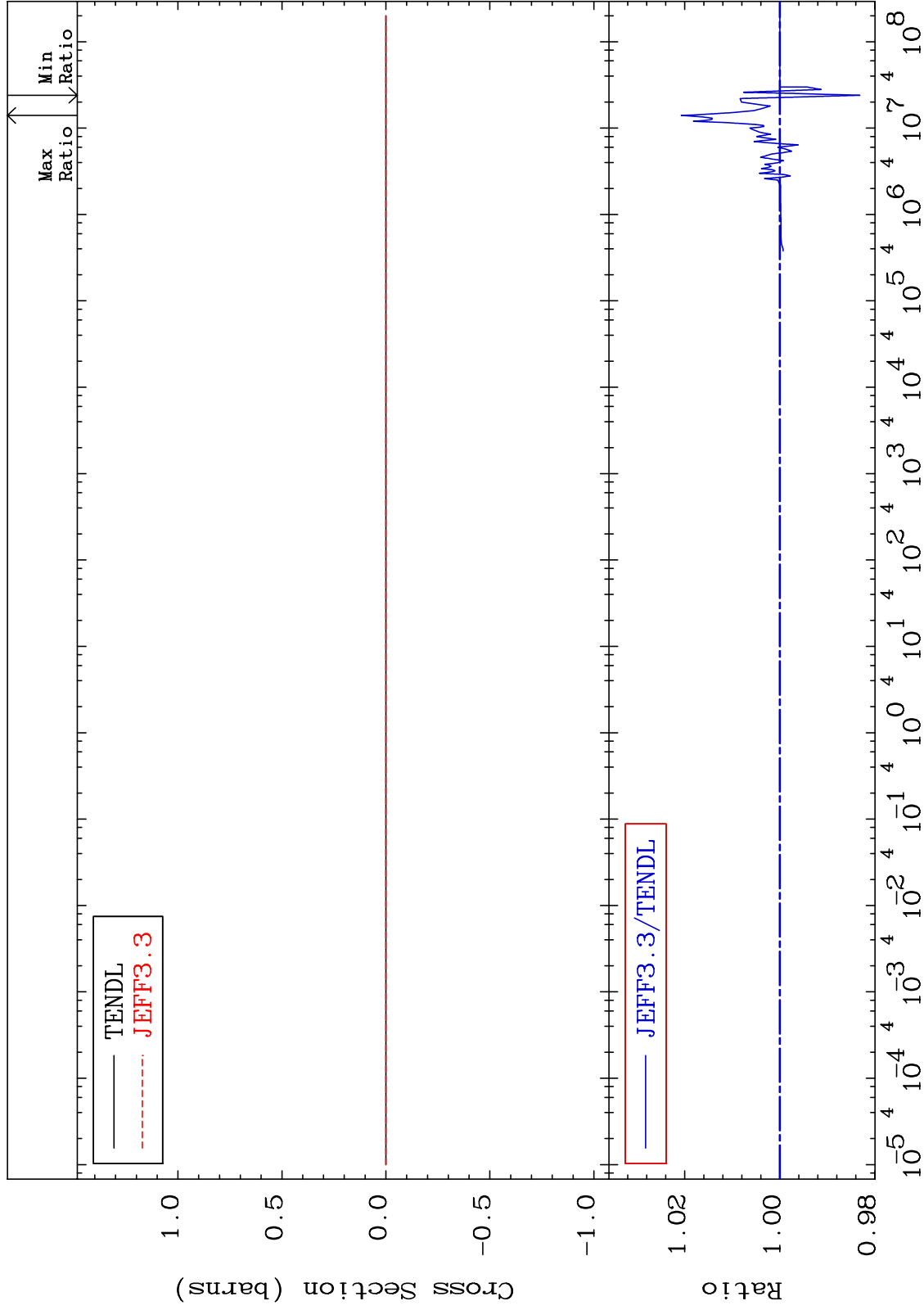




MAT 4649

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

46-Pd-110  
-1.684 To 2.074 %



67

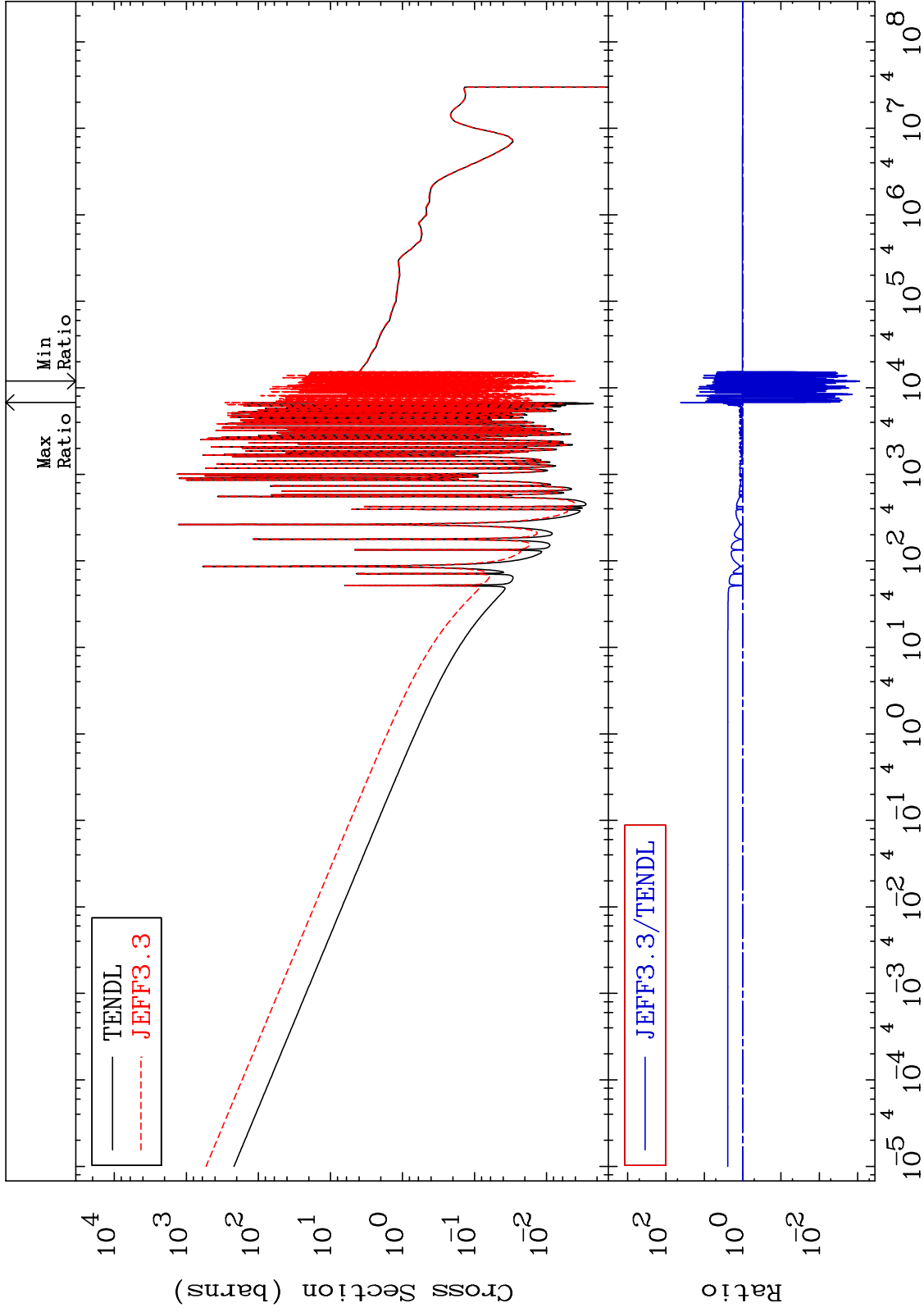
Incident Energy (eV)

46-Pd-110

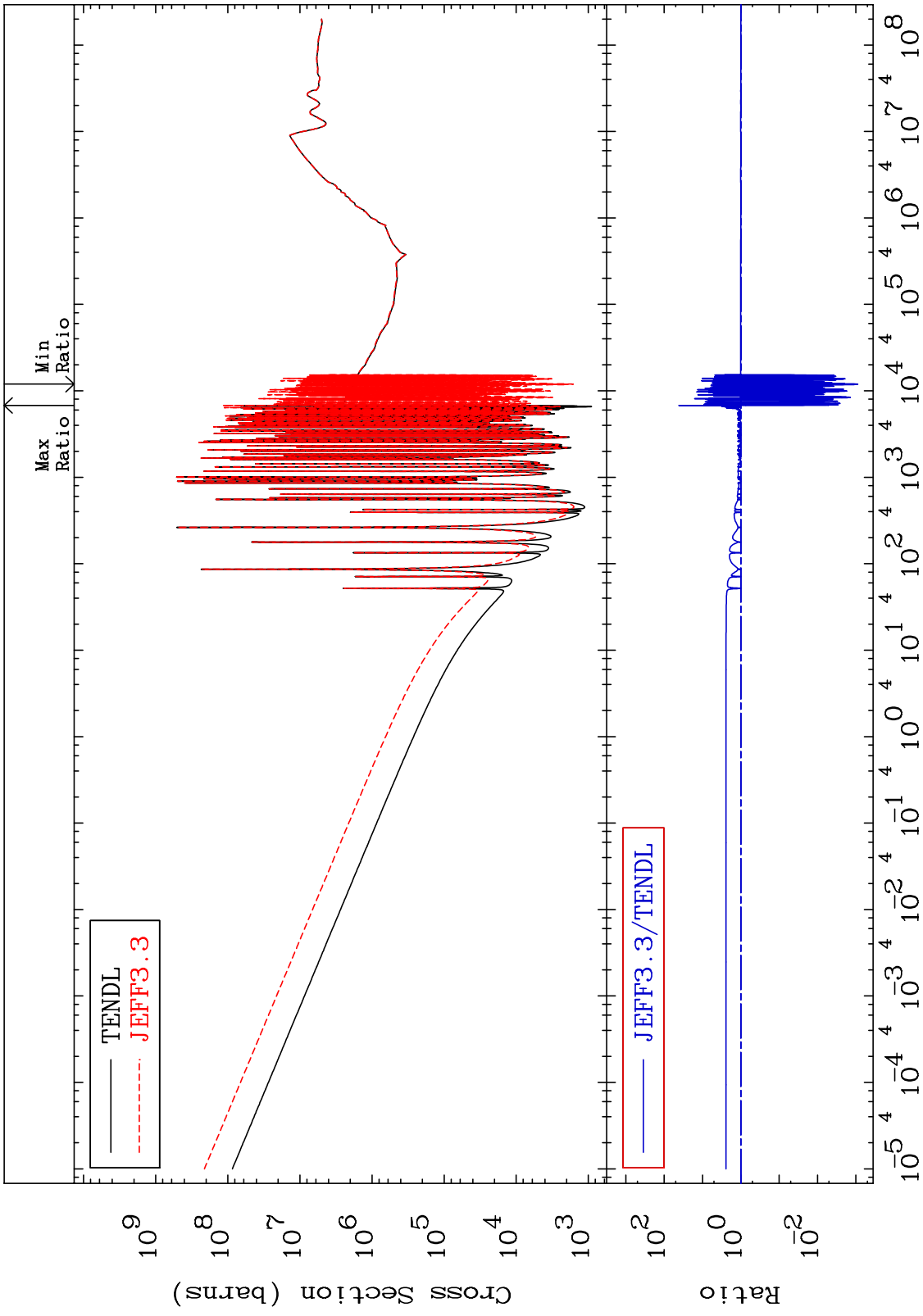
MAT 4649

Kerma capture (mt102)  
Cross Section

46-Pd-110  
-99.91 To 3998. %

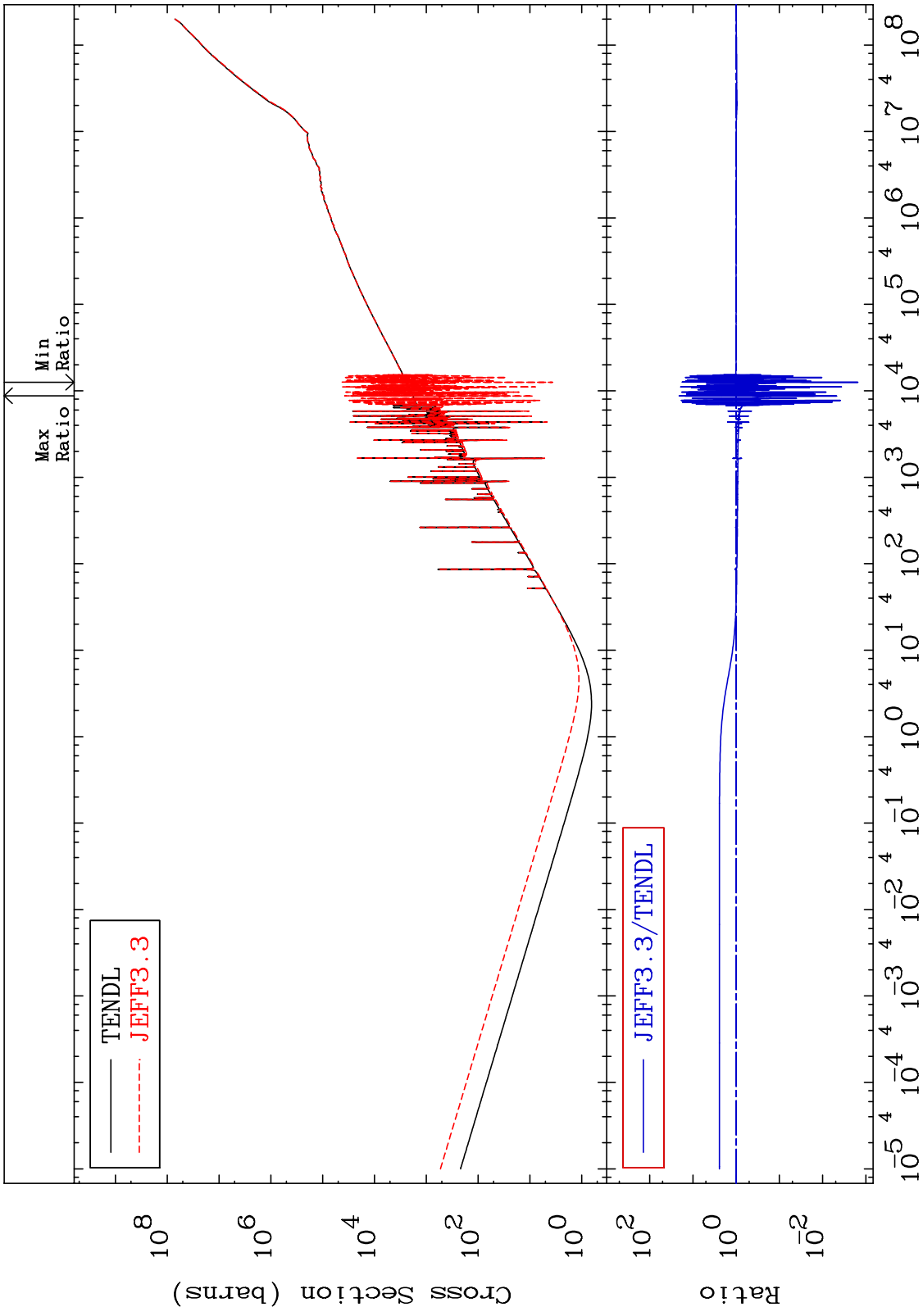


MAT 4649 Total photon (eV-barns) 46-Pd-110  
Cross Section -99.91 To 3998. %



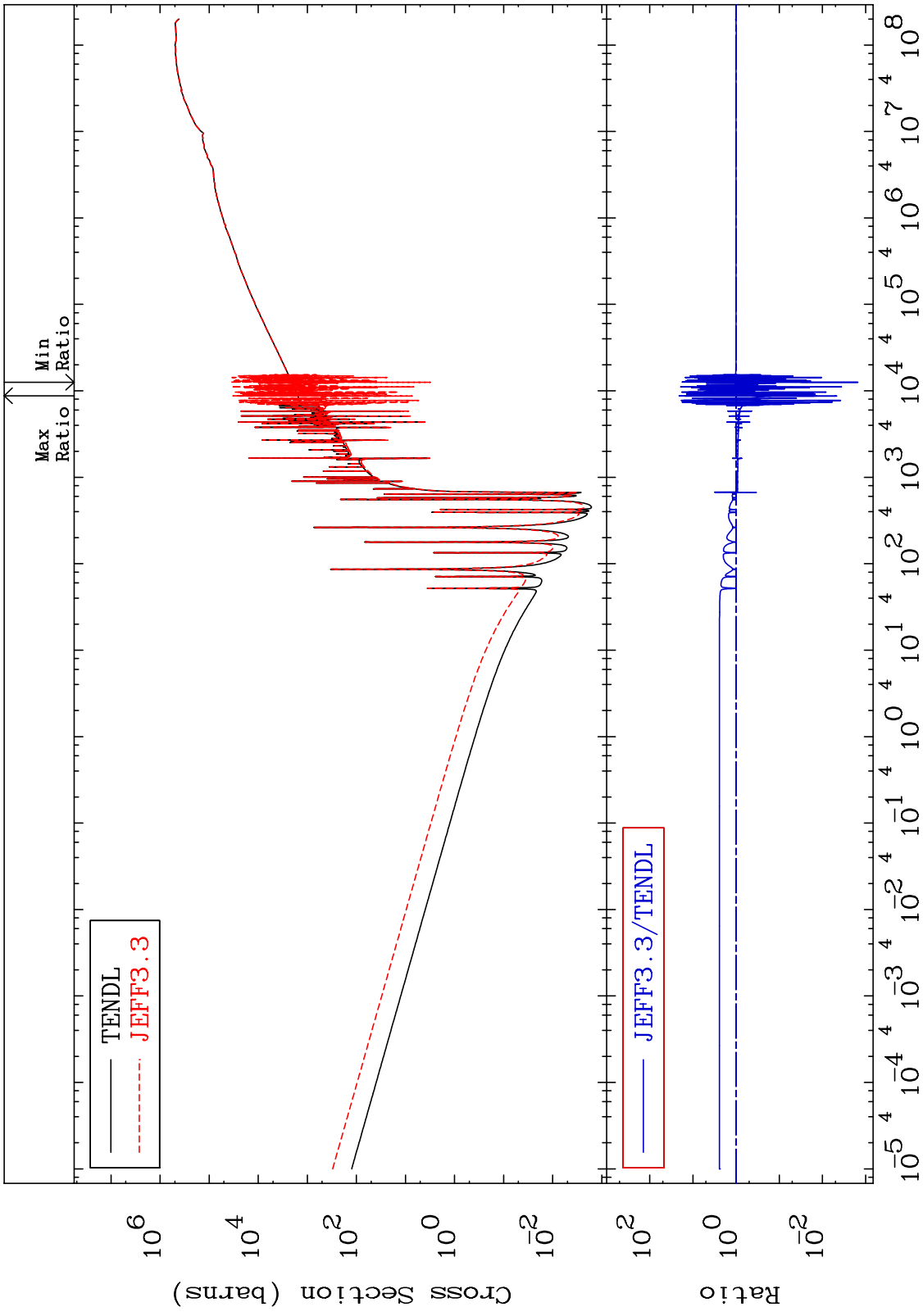
69 Incident Energy (eV) 46-Pd-110

MAT 4649 Total kinematic kerma (high limit) 46-Pd-110  
Cross Section -99.85 To 1988. %



70 Incident Energy (eV) 46-Pd-110

MAT 4649      Dpa total (eV-barns)      46-Pd-110  
 Cross Section      -99.85 To 1991. %



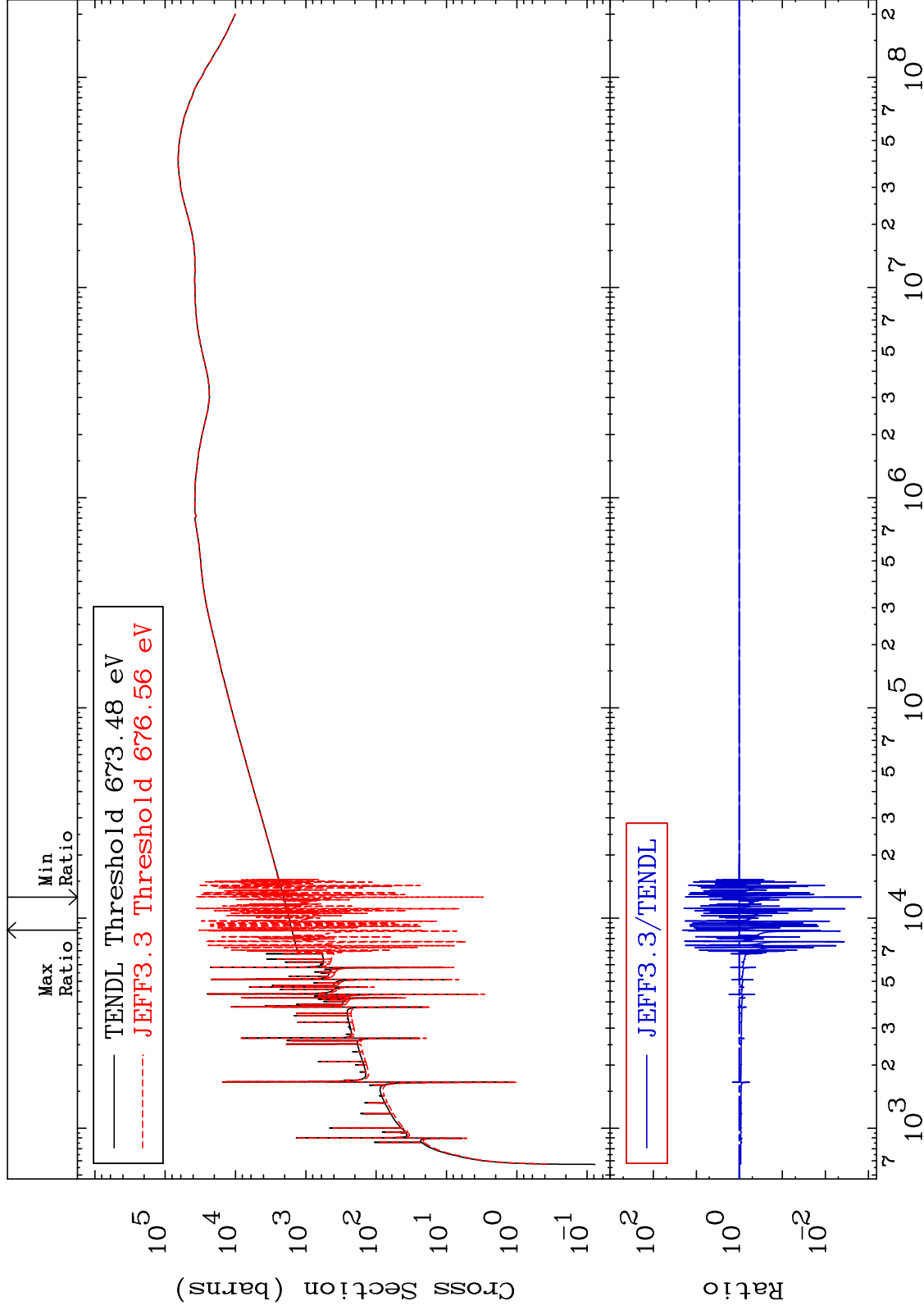
71      Incident Energy (eV)      46-Pd-110



MAT 4649

Dpa elastic (mt2)  
Cross Section

46-Pd-110  
-99.85 To 1994. %

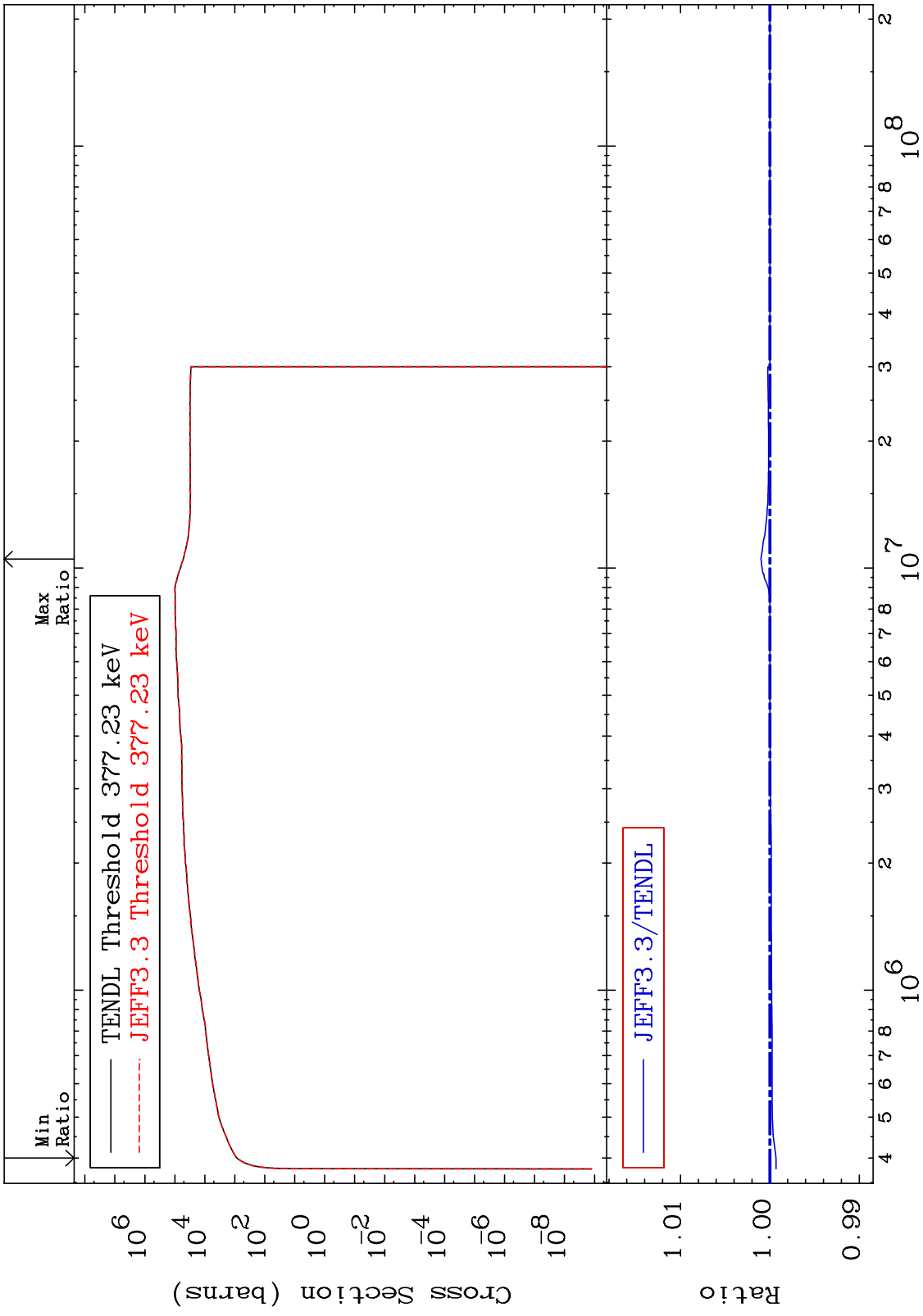


72

Incident Energy (eV)

46-Pd-110

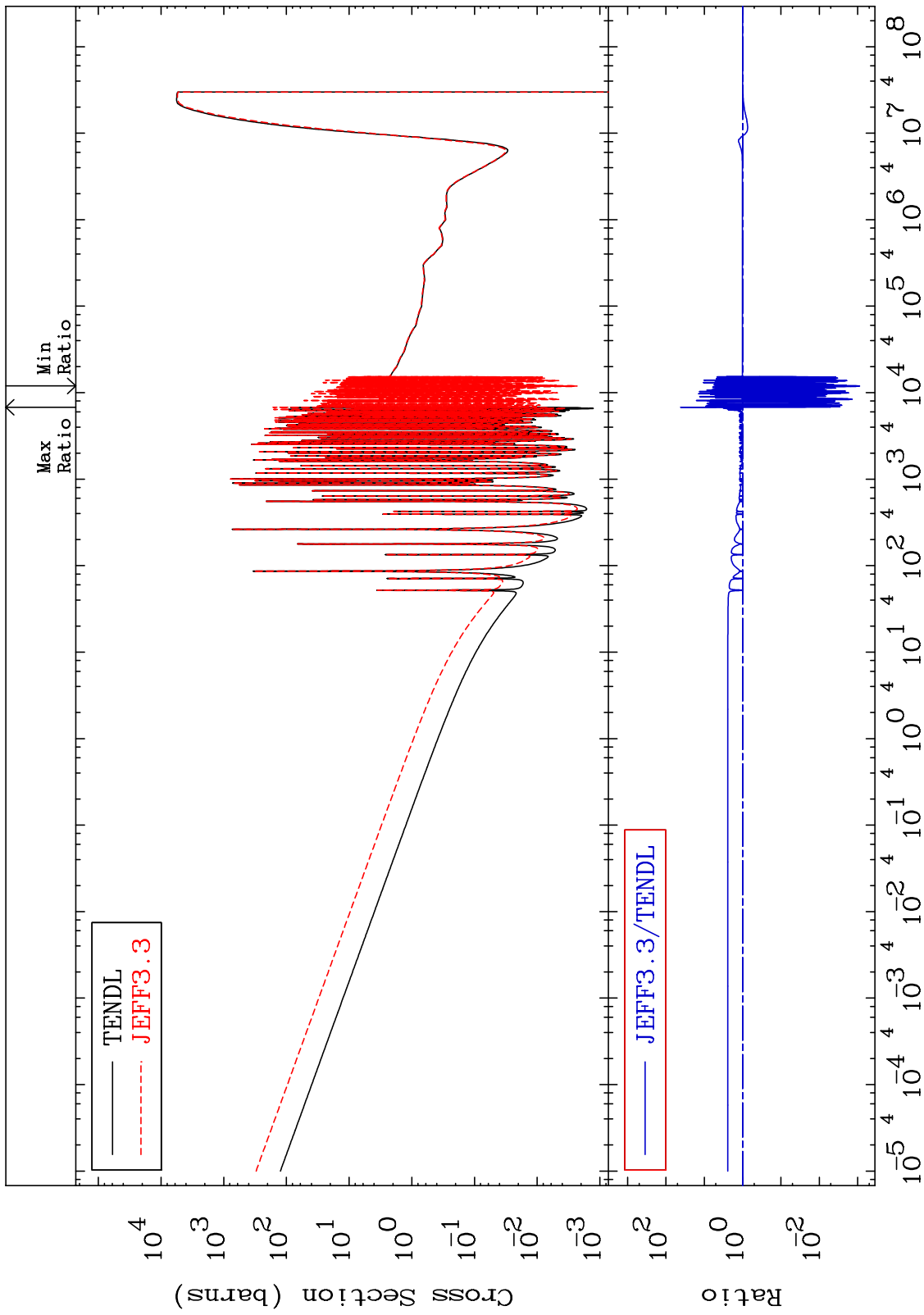
MAT 4649      Dpa inelastic (mt51-91)      46-Pd-110  
 Cross Section      -0.069 To 0.100 %



MAT 4649

Dpa disappearance (mt102 -120)  
Cross Section

46-Pd-110  
-99.91 To 3998. %

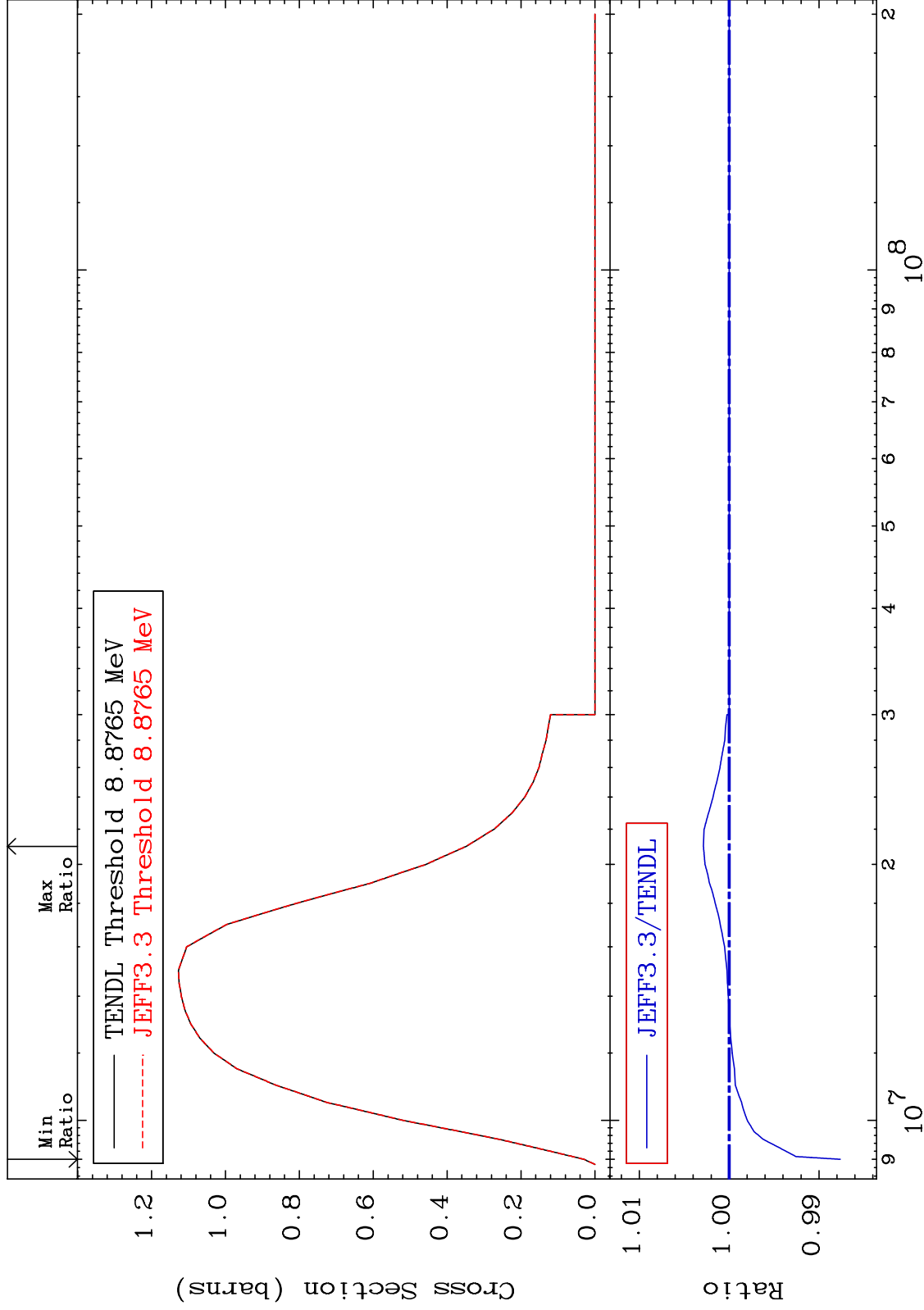


MAT 4649

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

46-Pd-110

Radionuclide Production Cross Section -1.238 To 0.286 %



75

Incident Energy (eV)

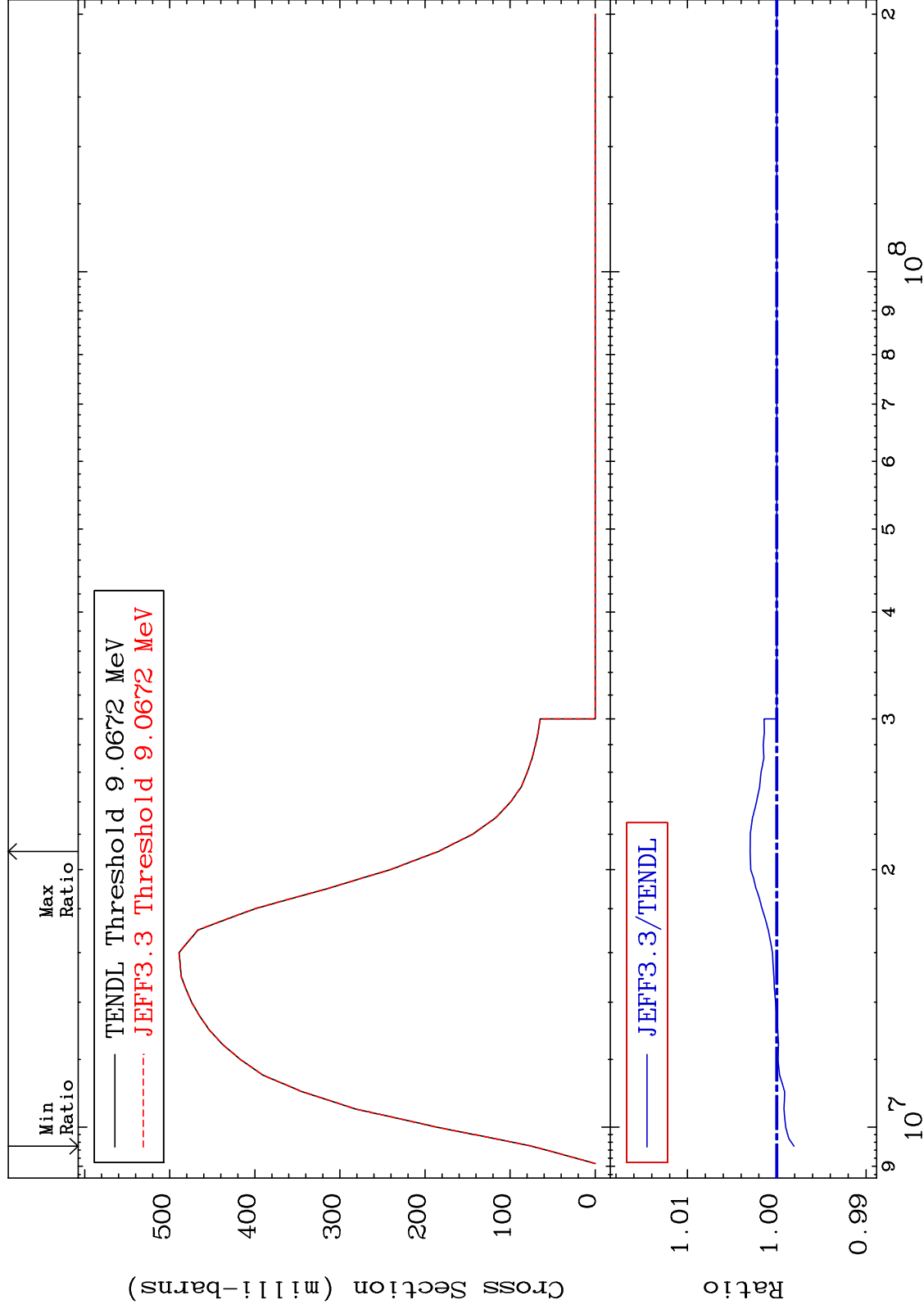
46-Pd-110

MAT 4649

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

46-Pd-110

Radionuclide Production Cross Section -0.193 To 0.300 %

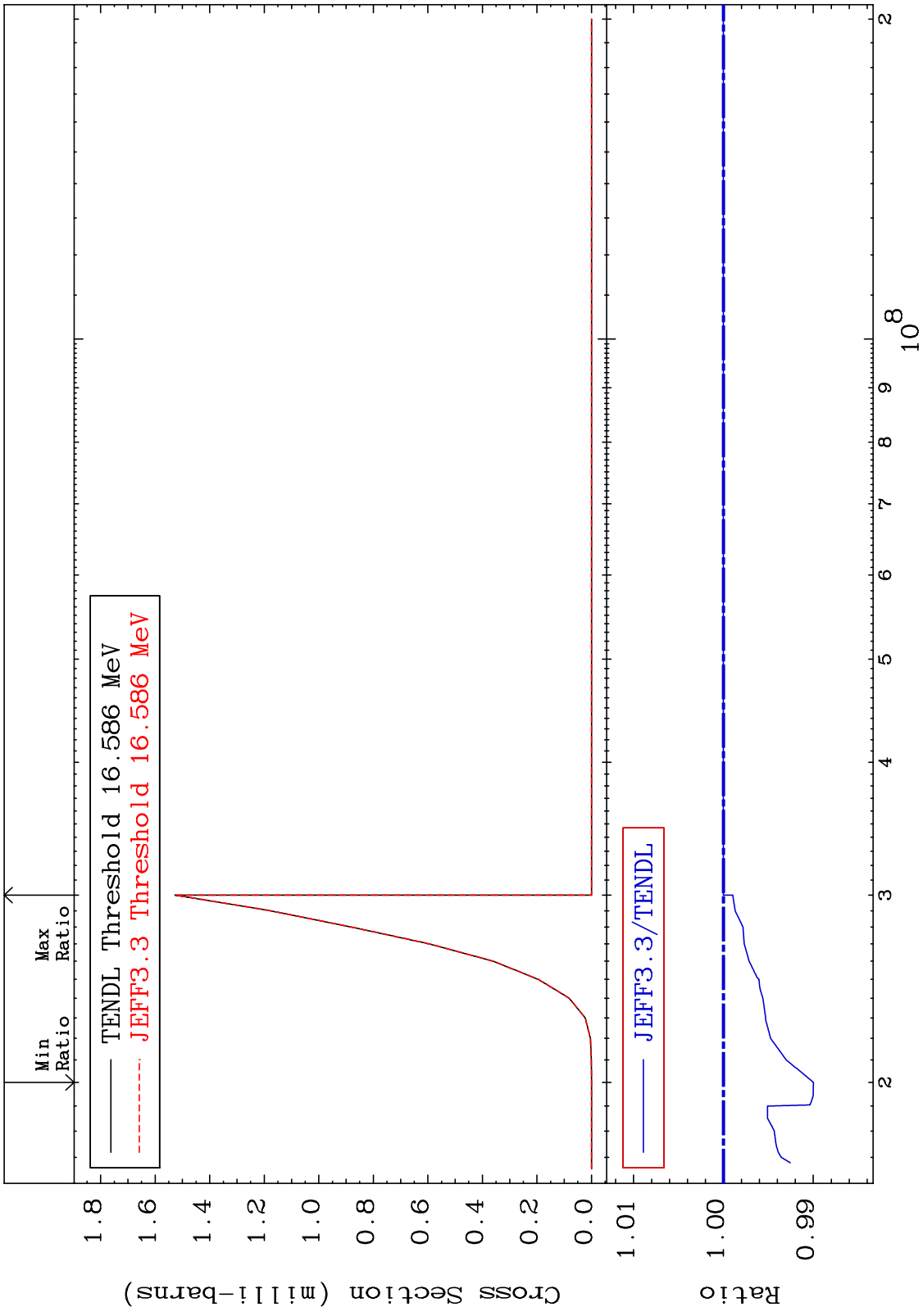


76

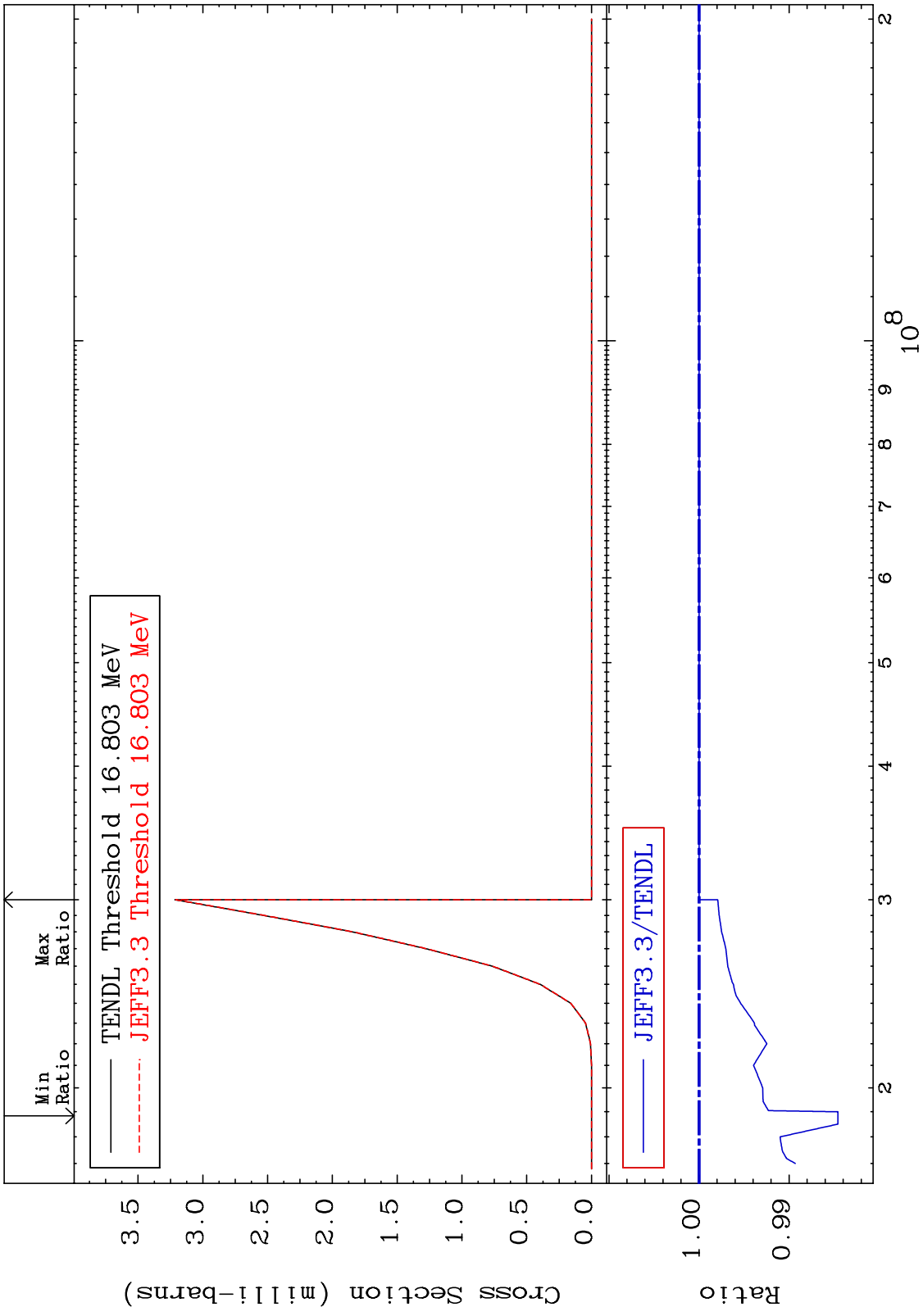
Incident Energy (eV)

46-Pd-110

MAT 4649 (n, n') d:45-Rh-108g 46-Pd-110  
 Radionuclide Production Cross Section -1.001 To 0.000 %



MAT 4649 (n, n') d: 45-Rh-108m4 46-Pd-110  
 Radionuclide Production Cross Section -1.541 To 0.000 %

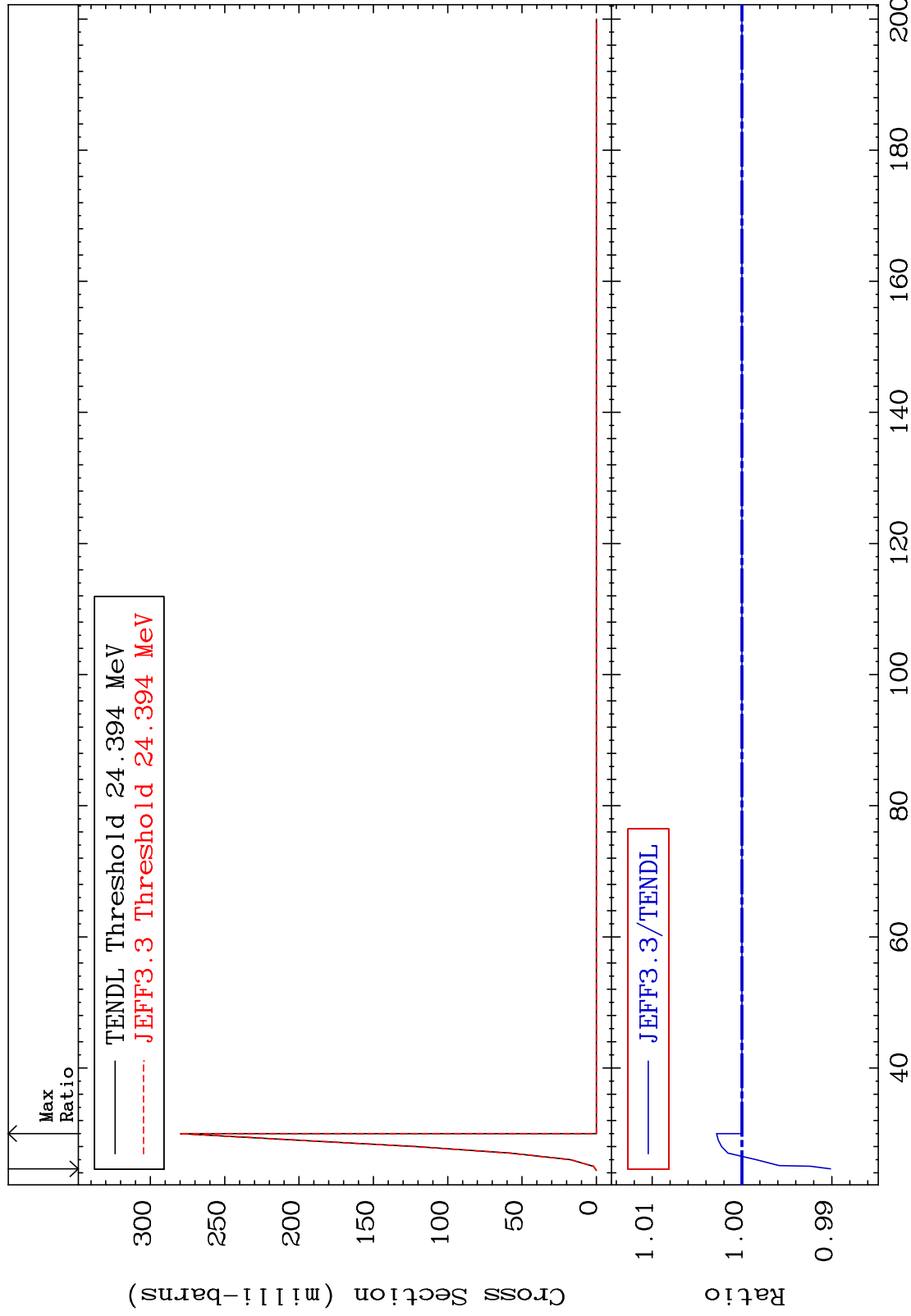


MAT 4649

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

46-Pd-110

Radionuclide Production Cross Section -0.986 To 0.283 %



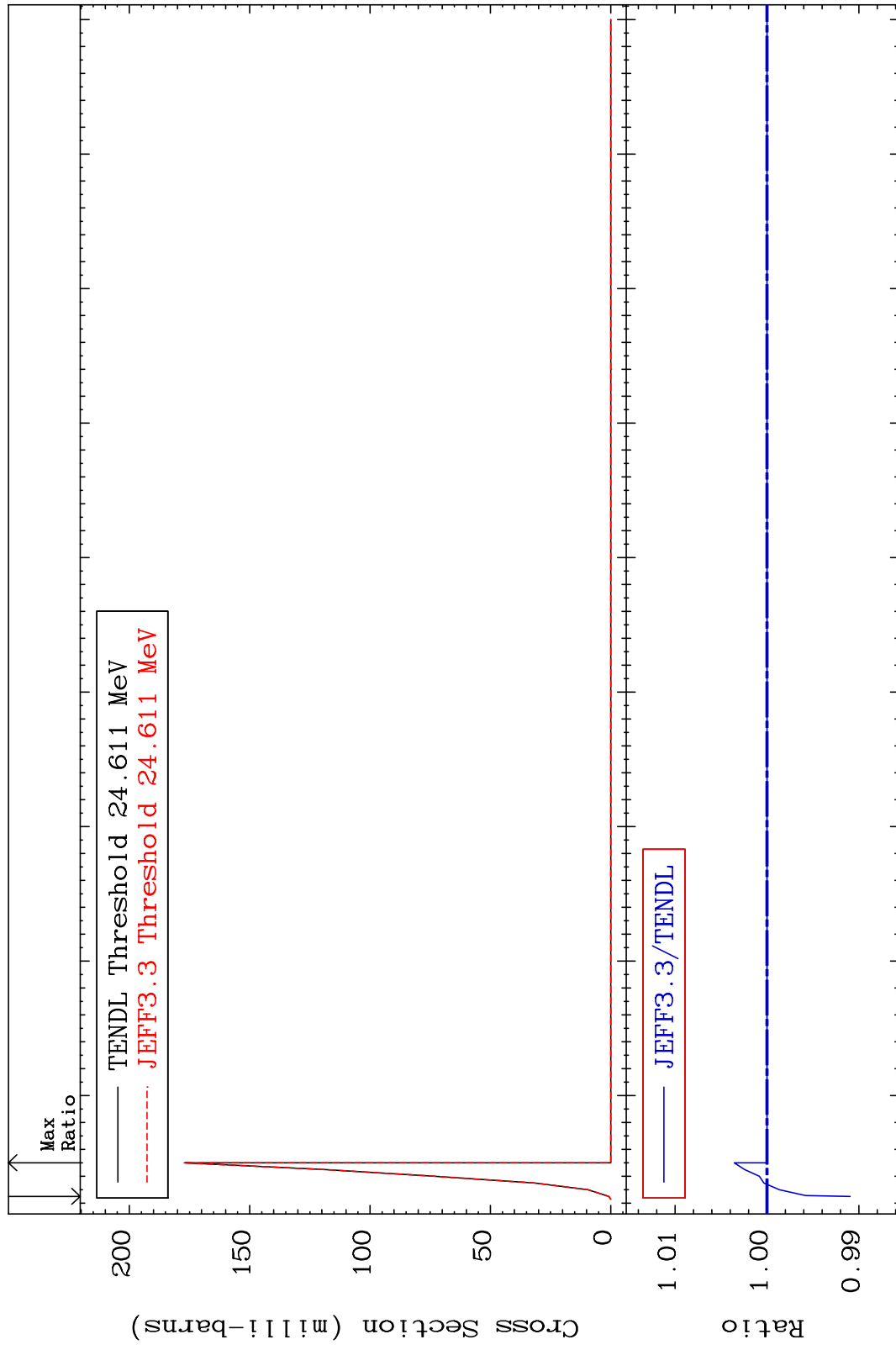


MAT 4649

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

46-Pd-110

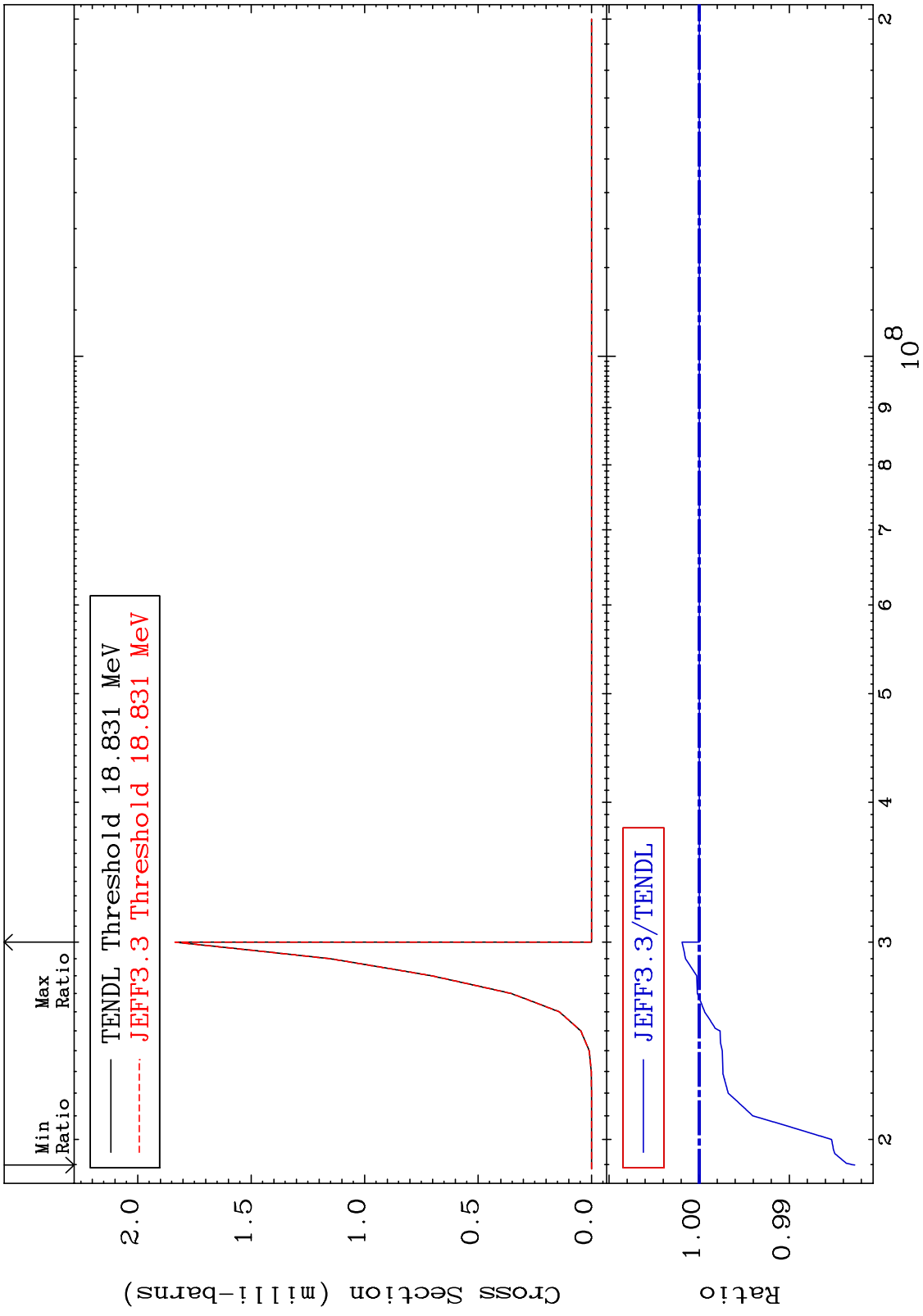
Radionuclide Production Cross Section -0.904 To 0.357 %



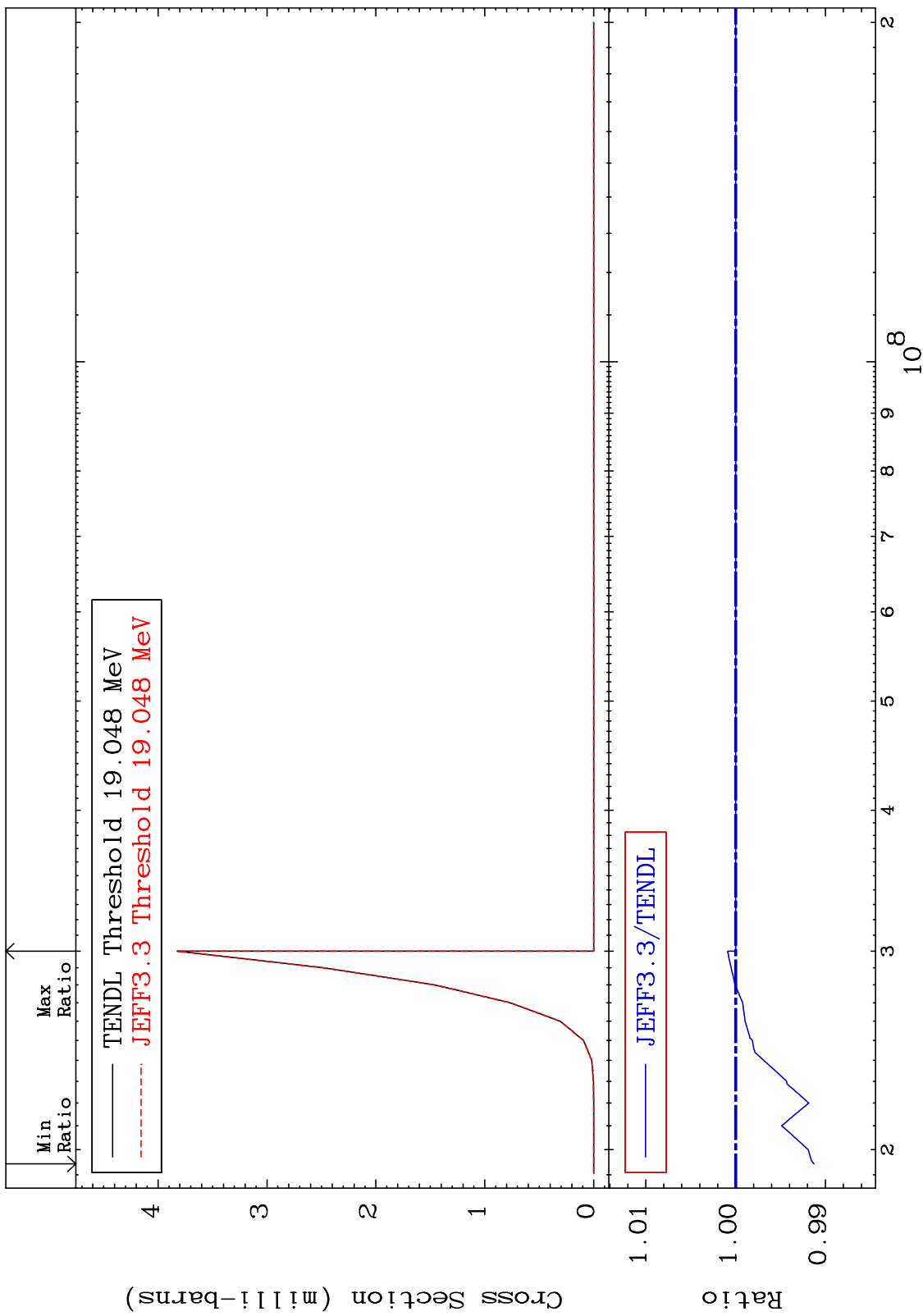
80

Incident Energy (MeV)

46-Pd-110



MAT 4649 (n,2n) p:45-Rh-108m4 46-Pd-110  
 Radionuclide Production Cross Section -0.872 To 0.090 %

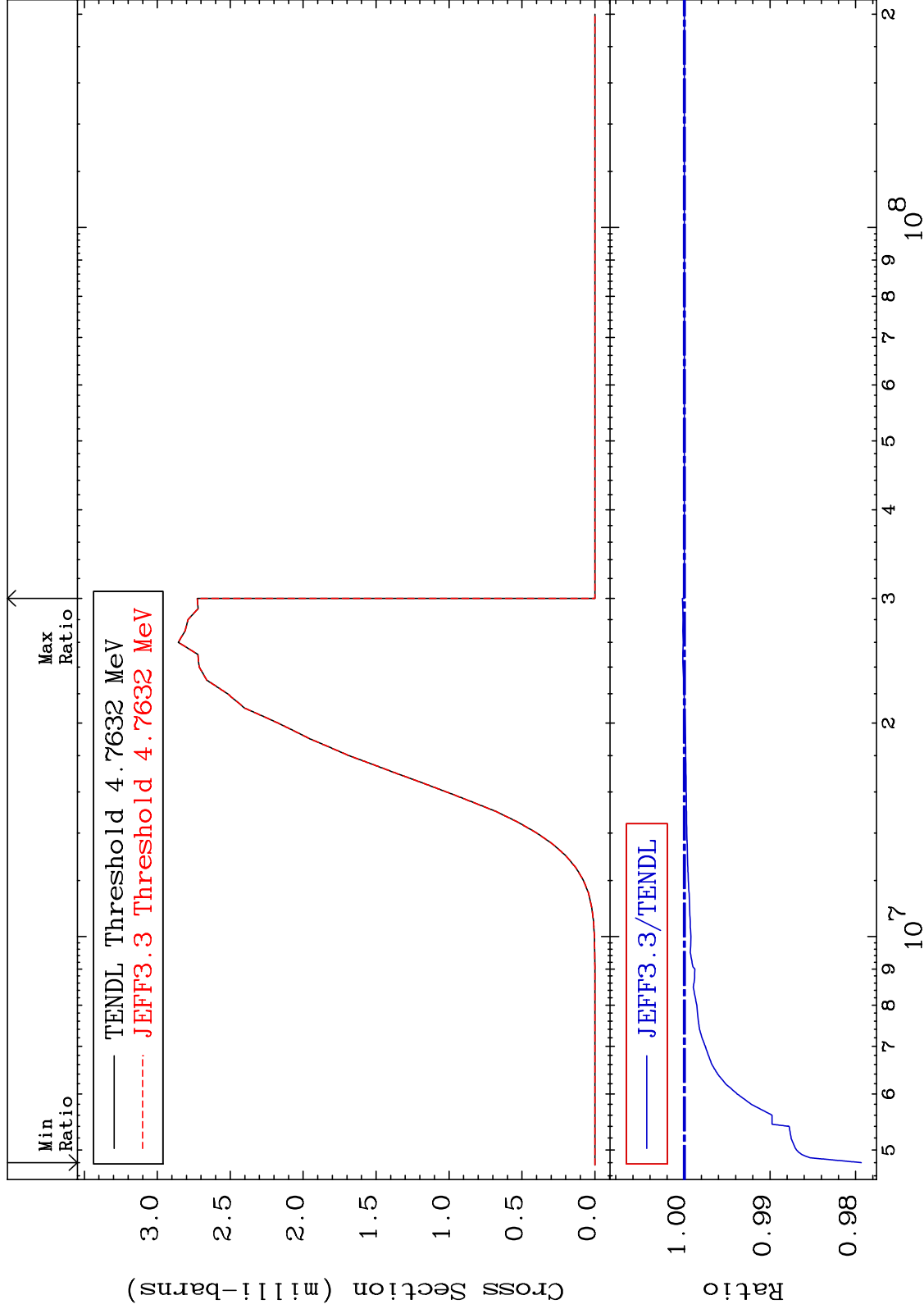


MAT 4649

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

46-Pd-110

Radionuclide Production Cross Section -2.066 To 0.021 %

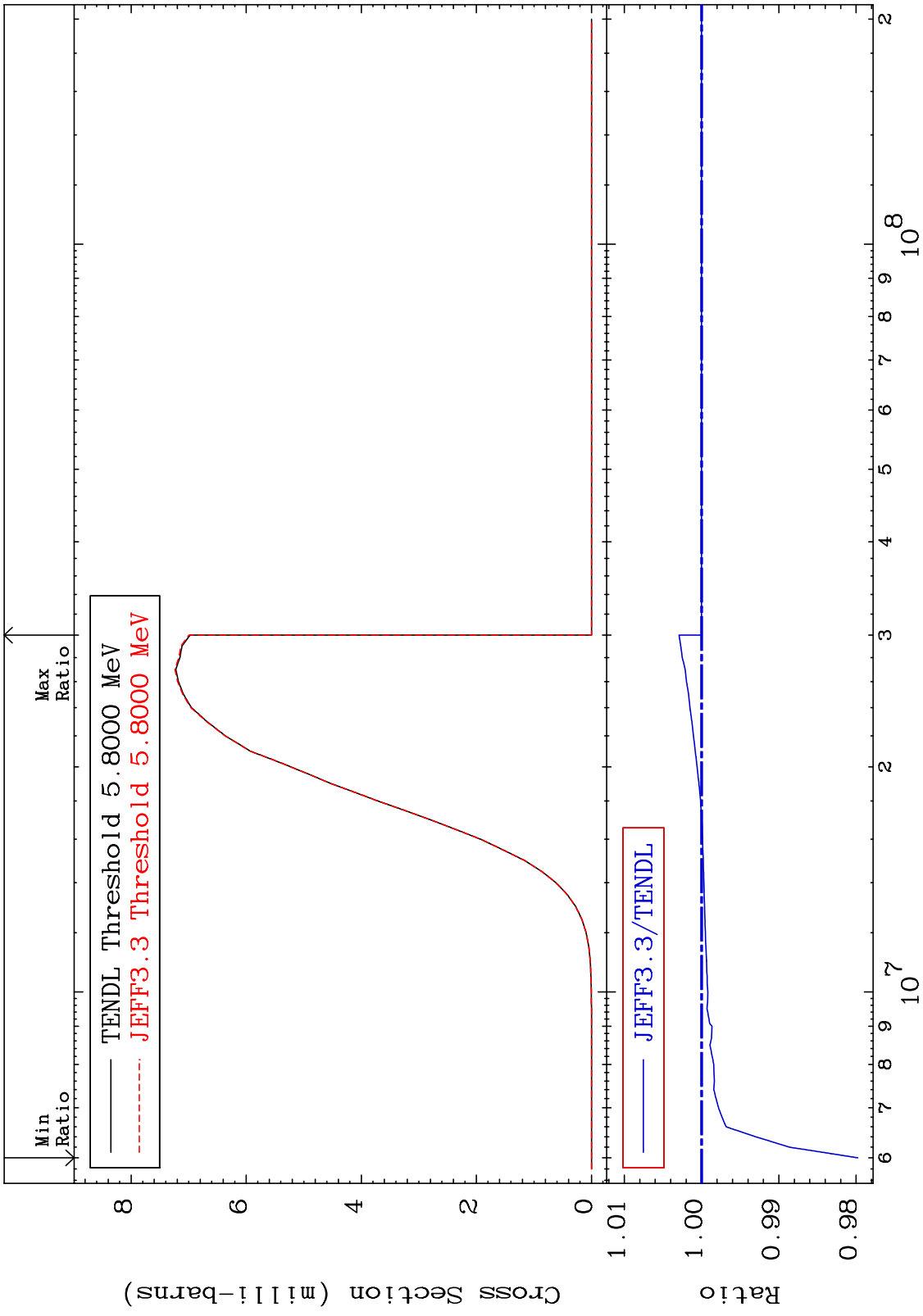


83

Incident Energy (eV)

46-Pd-110

MAT 4649 (n, p) : 45-Rh-110m6 46-Pd-110  
 Radionuclide Production Cross Section -2.022 To 0.292 %

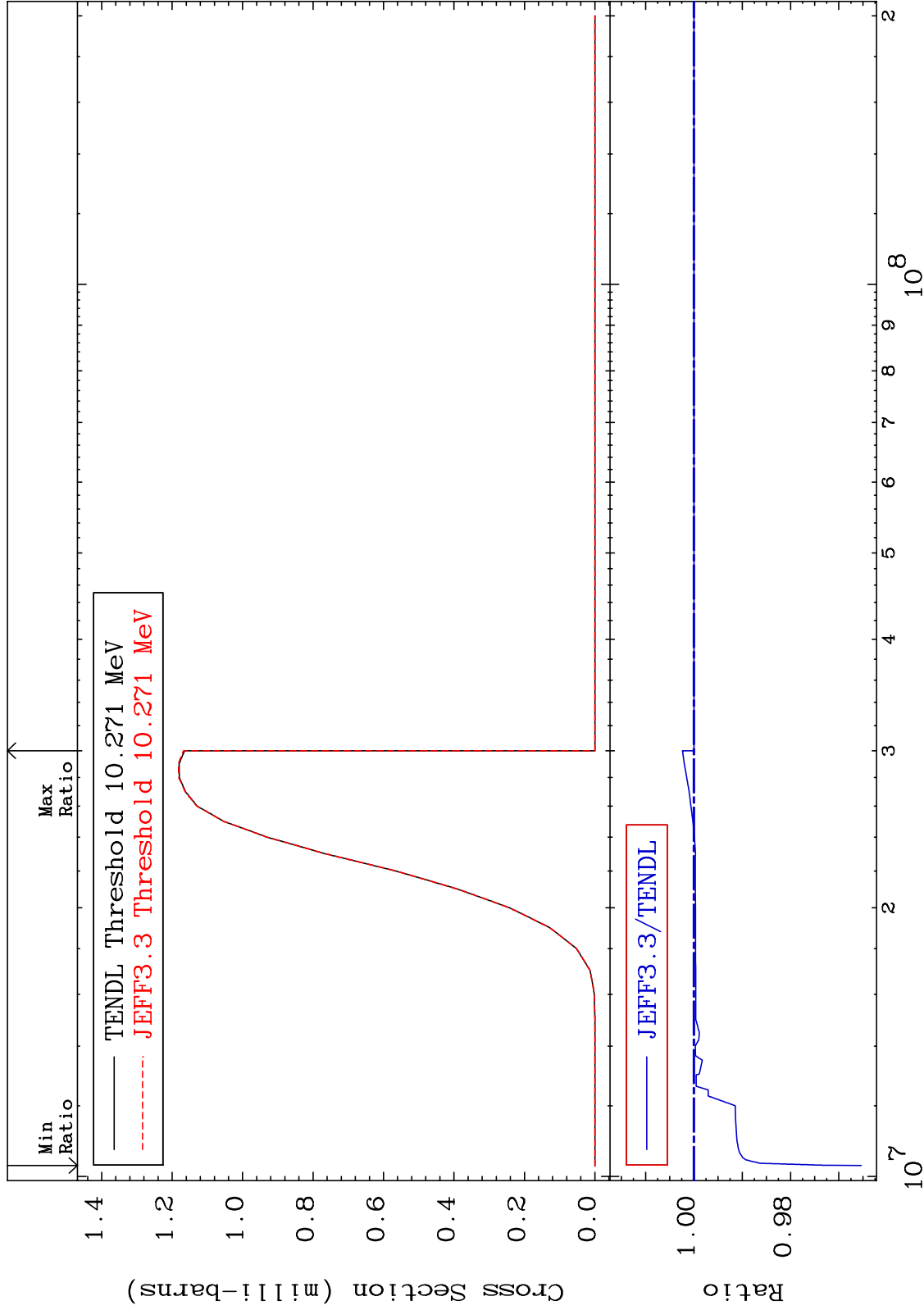


MAT 4649

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

46-Pd-110

Radionuclide Production Cross Section -3.465 To 0.237 %



85

Incident Energy (eV)

46-Pd-110

MAT 4649

(n, t) : 45-Rh-108m4

46-Pd-110

Radionuclide Production Cross Section -3.489 To 0.140 %

