

Program Complot  
(Version 2018-1)

by

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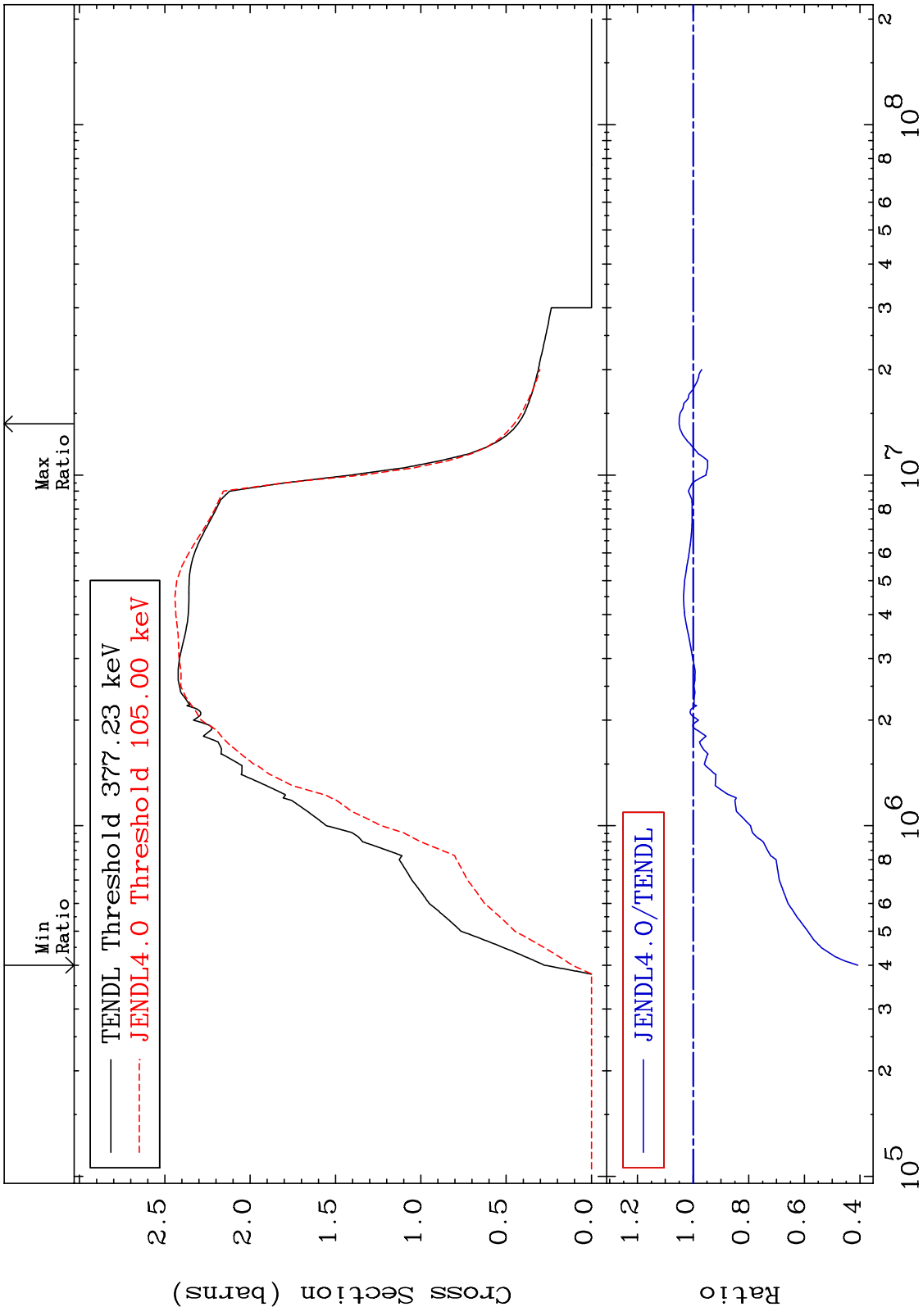
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start



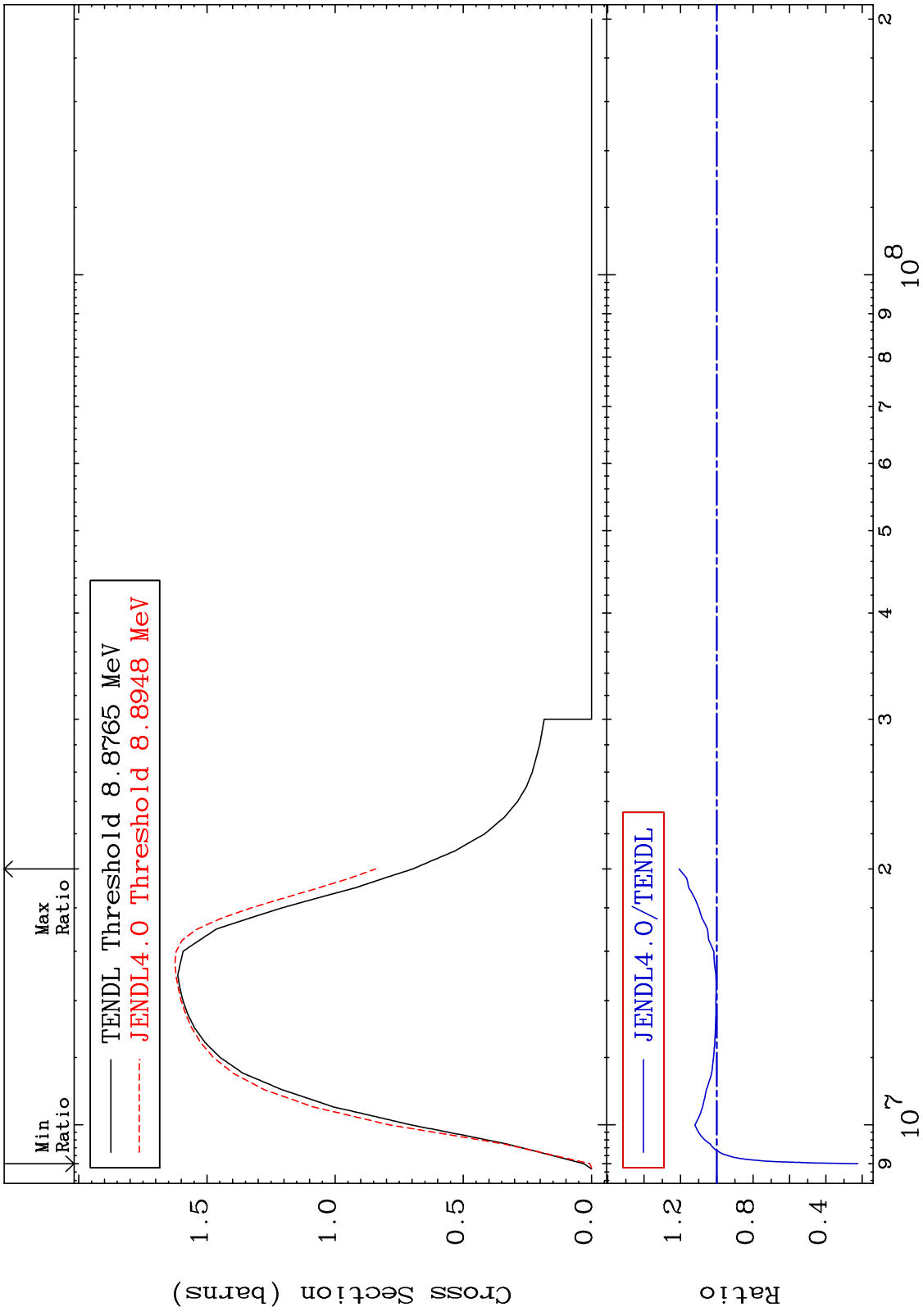


MAT 4649 Inelastic Cross Section 46-Pd-110 -59.22 To 5.055 %



3 Incident Energy (eV) 46-Pd-110

MAT 4649 (n,2n) Cross Section 46-Pd-110 -77.61 To 20.76 %



46-Pd-110

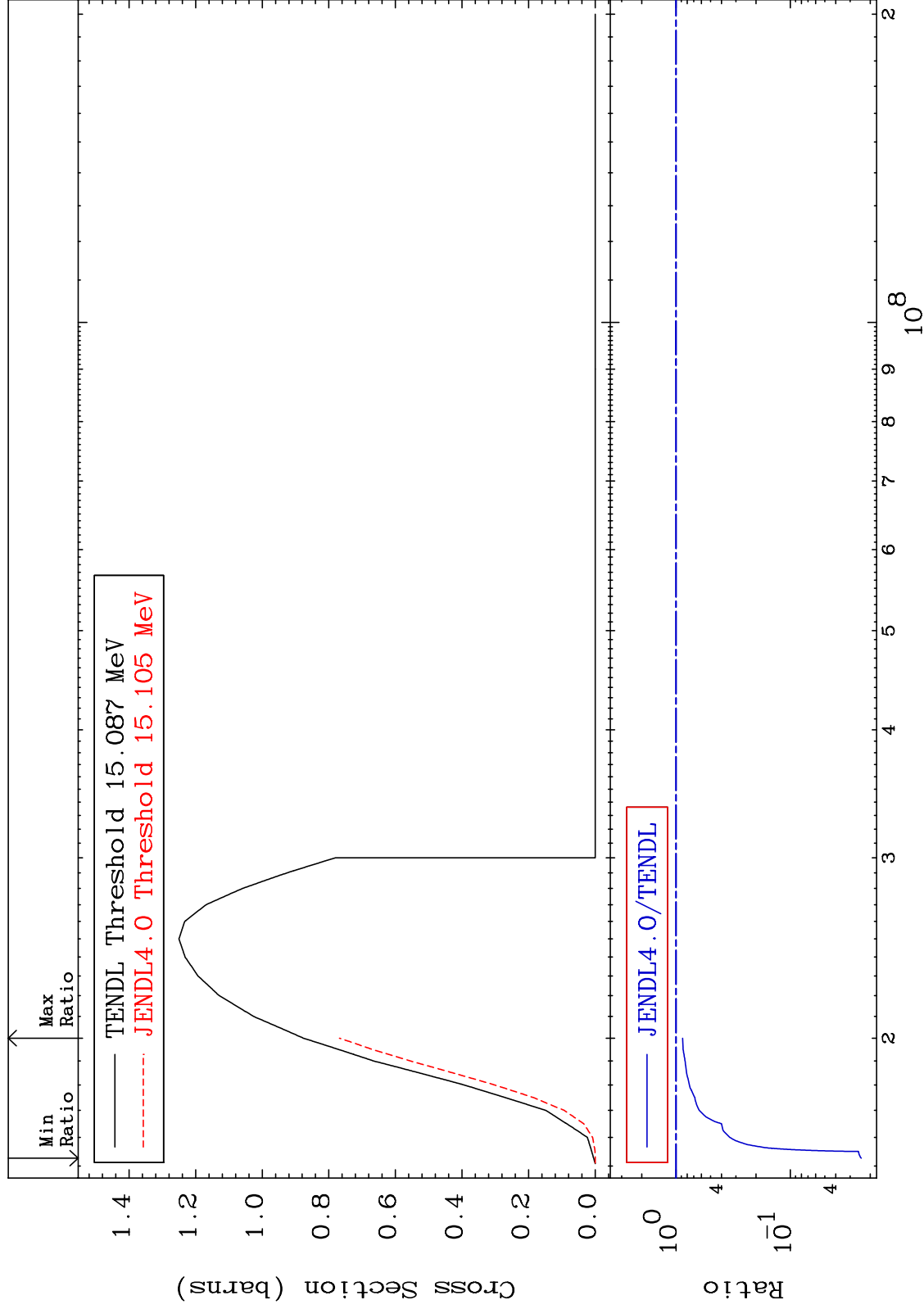
MAT 4649

(n,3n)

46-Pd-110

Cross Section

-97.61 To -12.37%

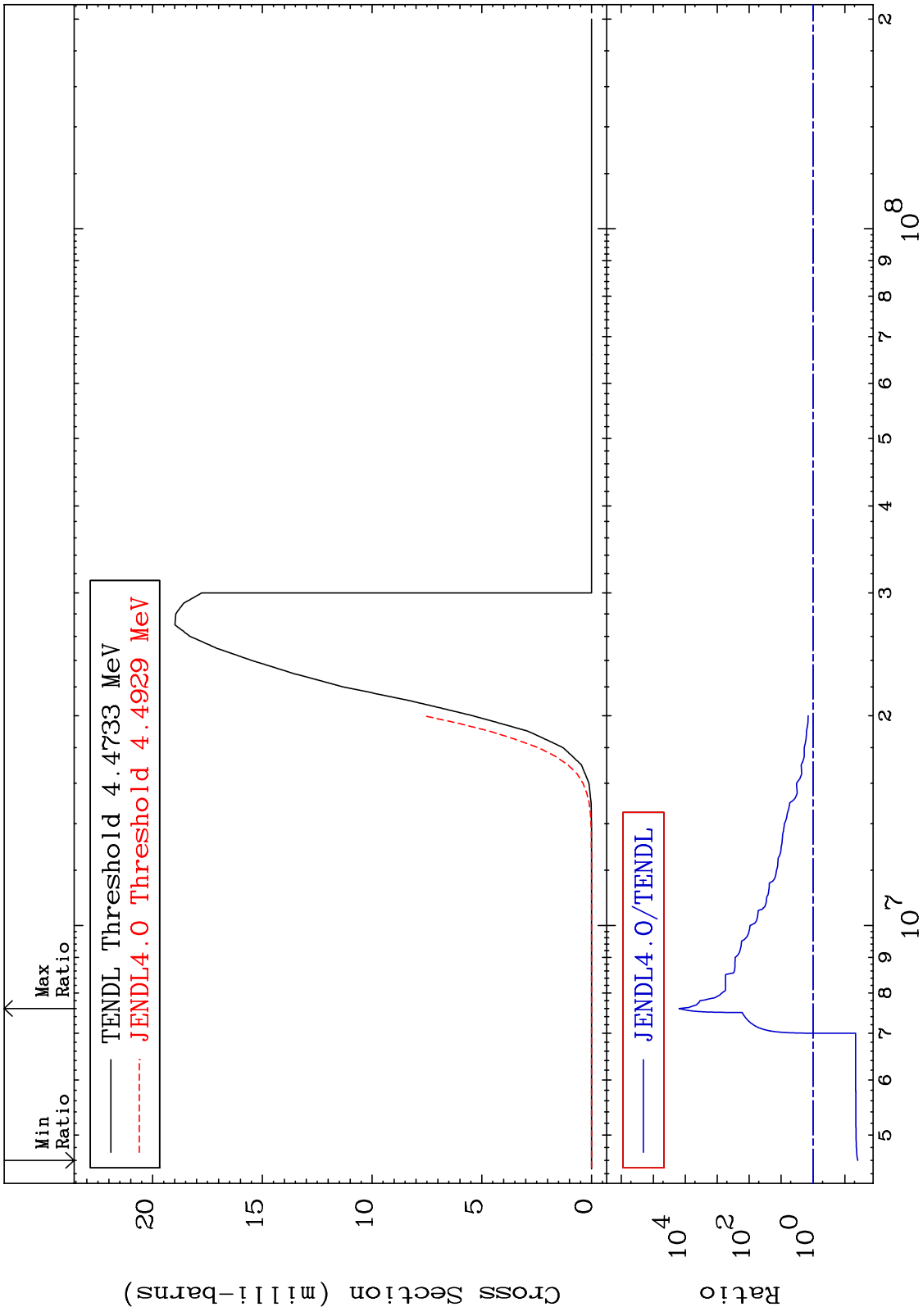


5

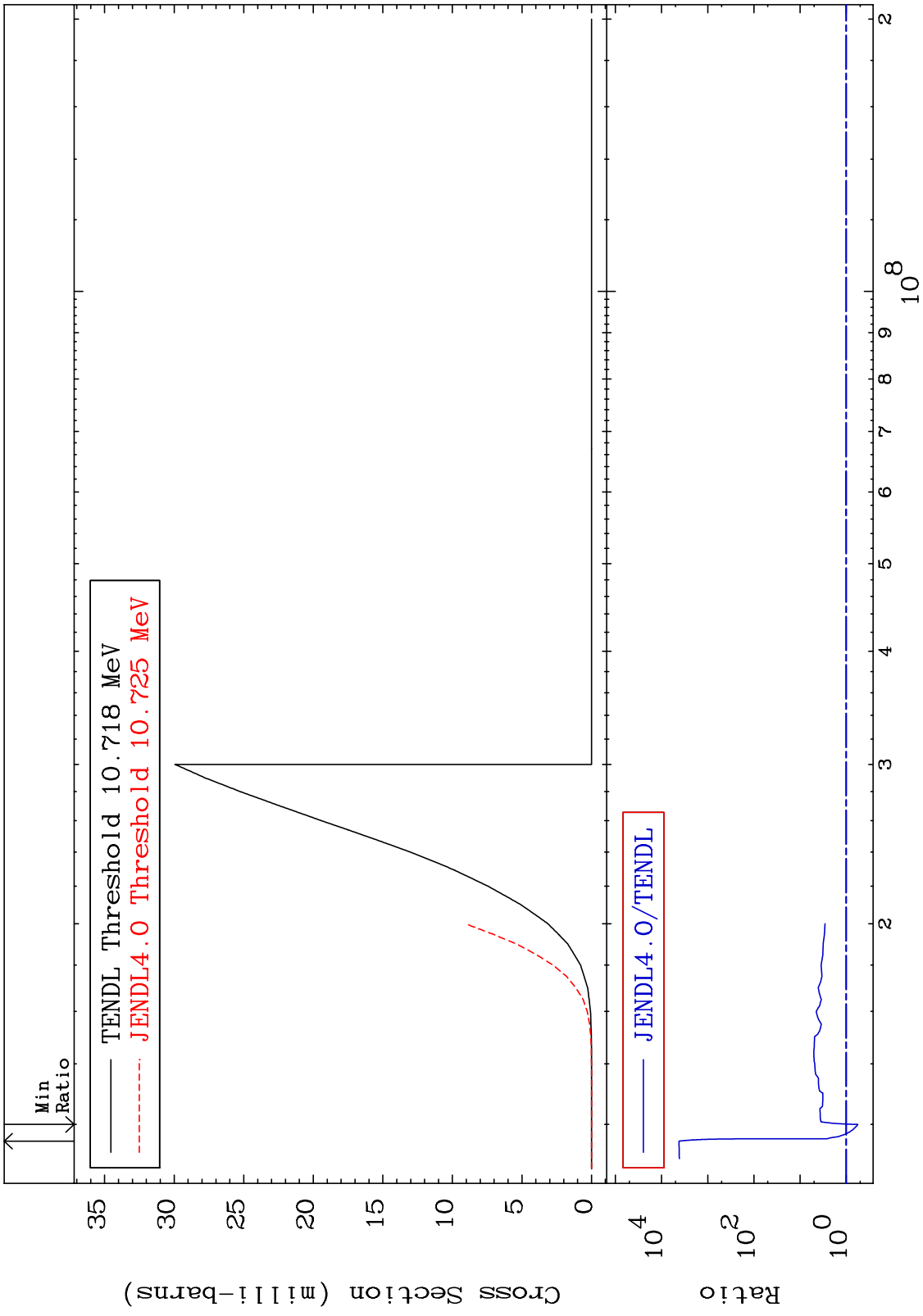
Incident Energy (eV)

46-Pd-110

MAT 4649  $(n, n') \alpha$  46-Pd-110  
 Cross Section -96.04 To 9999. %

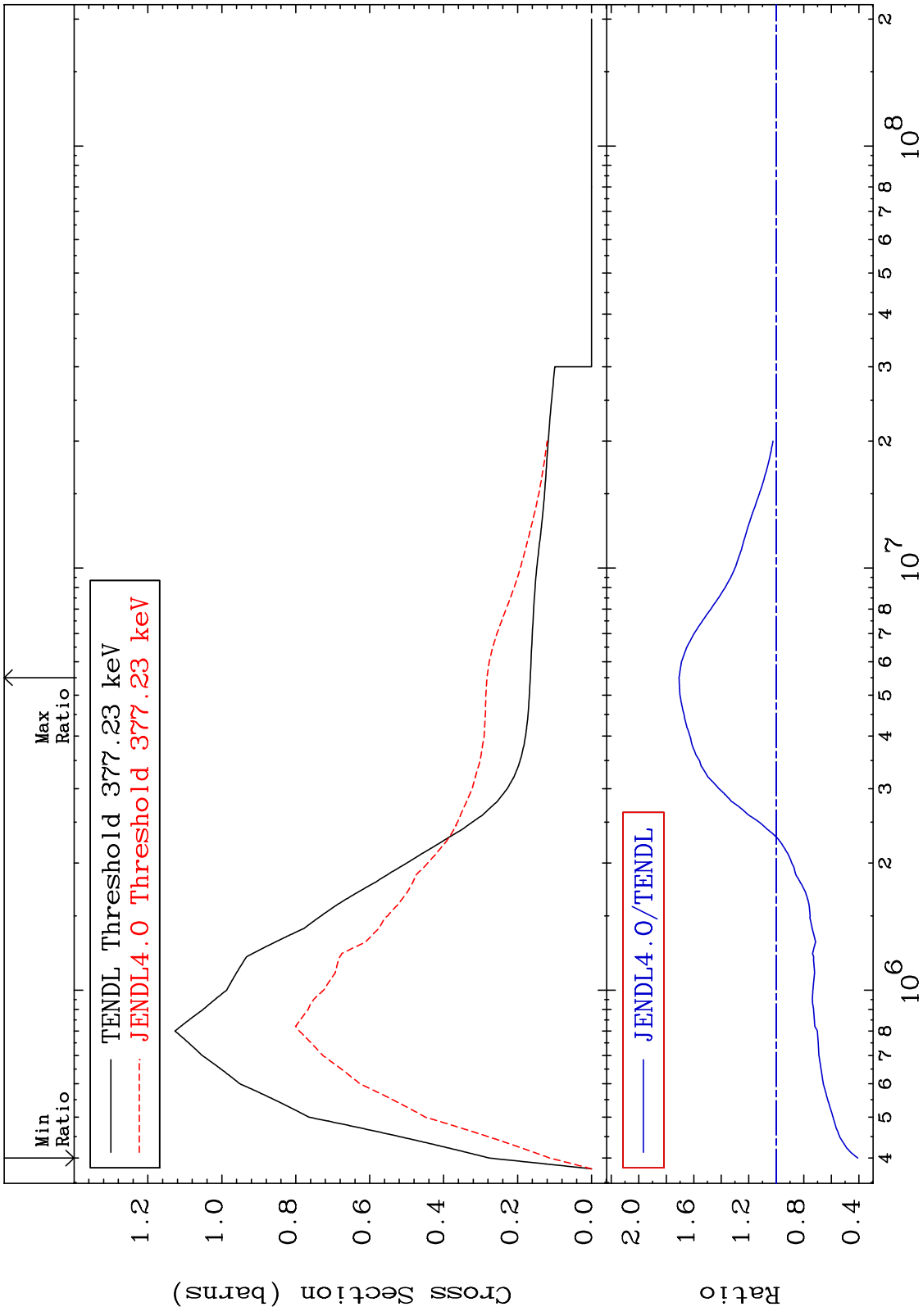


MAT 4649 (n,n') p 46-Pd-110  
 Cross Section -43.93 To 9999. %

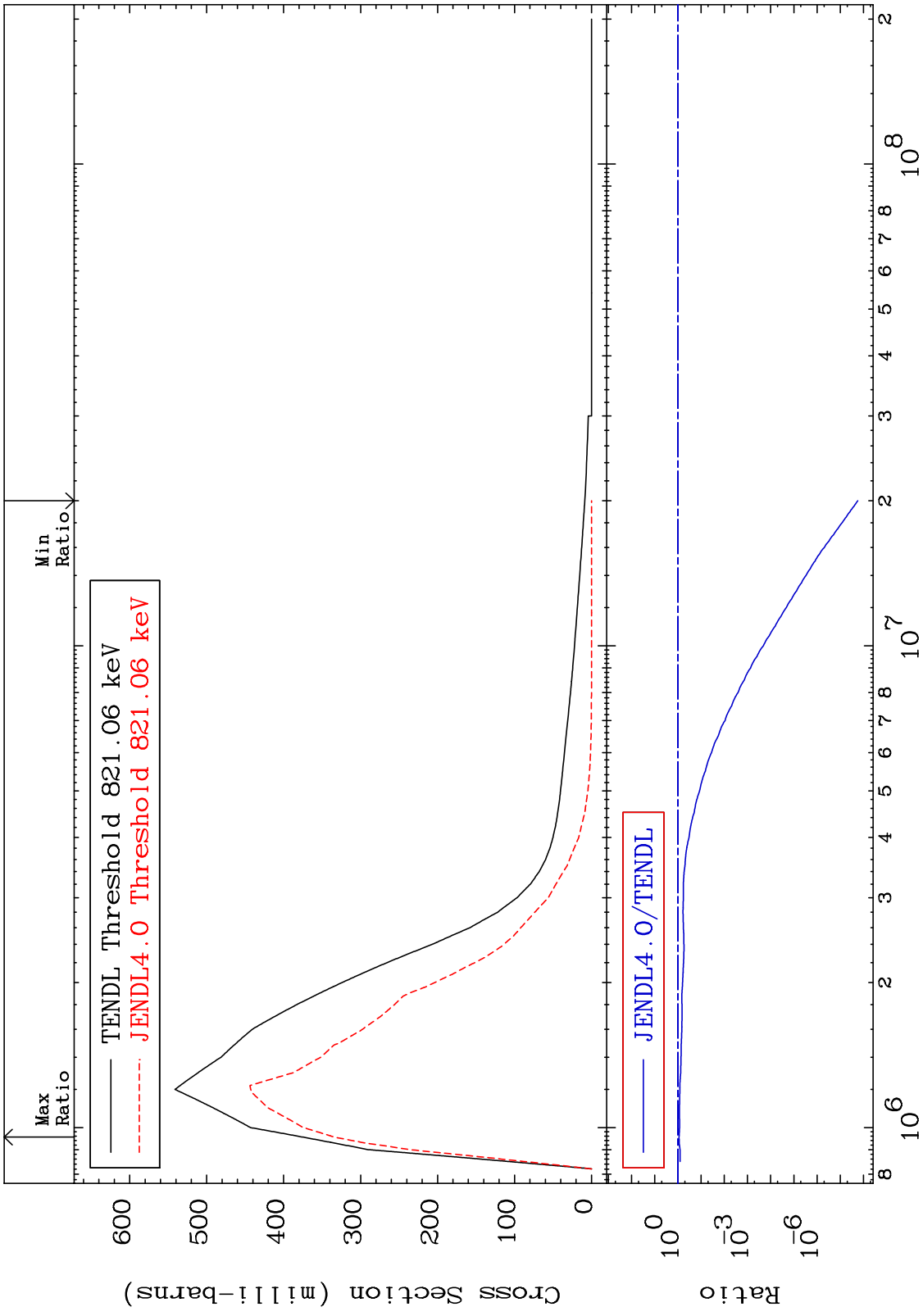




MAT 4649      MT= 51 (n,n') Level Cross Section      46-Pd-110  
 -59.23 To 70.67 %

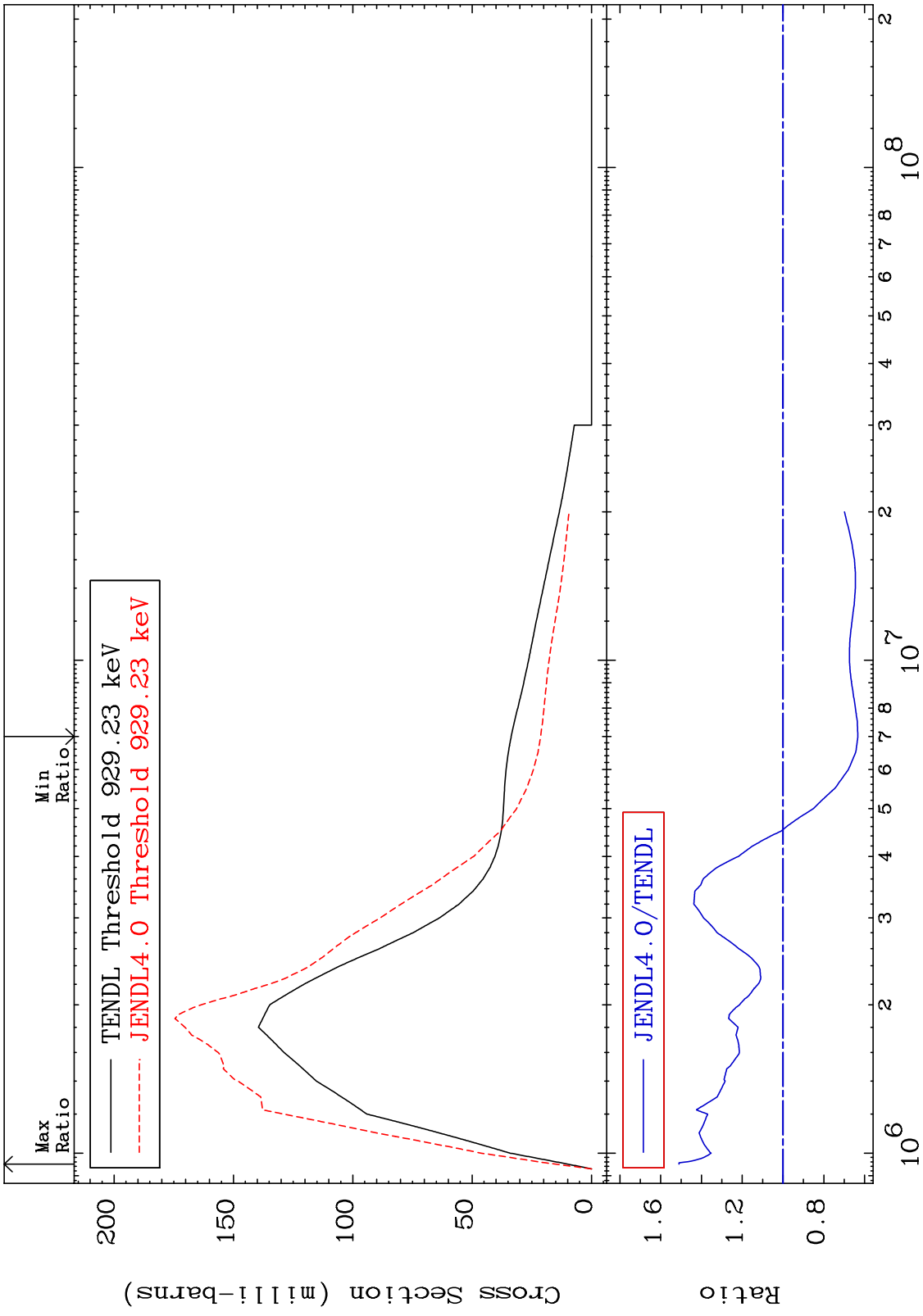


MAT 4649      MT= 52 (n,n') Level      46-Pd-110  
Cross Section      -100.0 To -10.91%

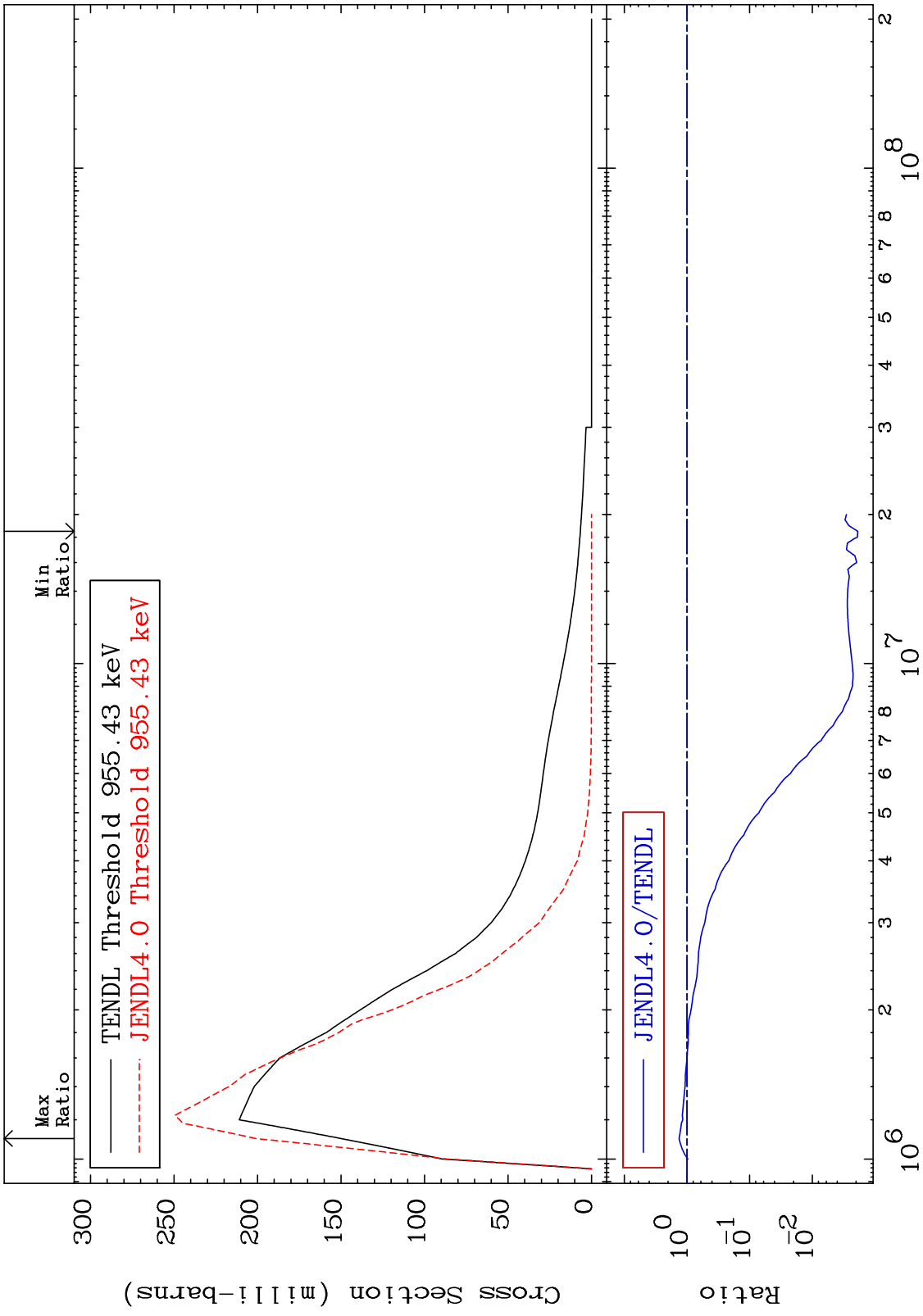


9      Incident Energy (eV)      46-Pd-110

MAT 4649 MT= 53 (n,n') Level Cross Section 46-Pd-110 -36.70 To 51.00 %

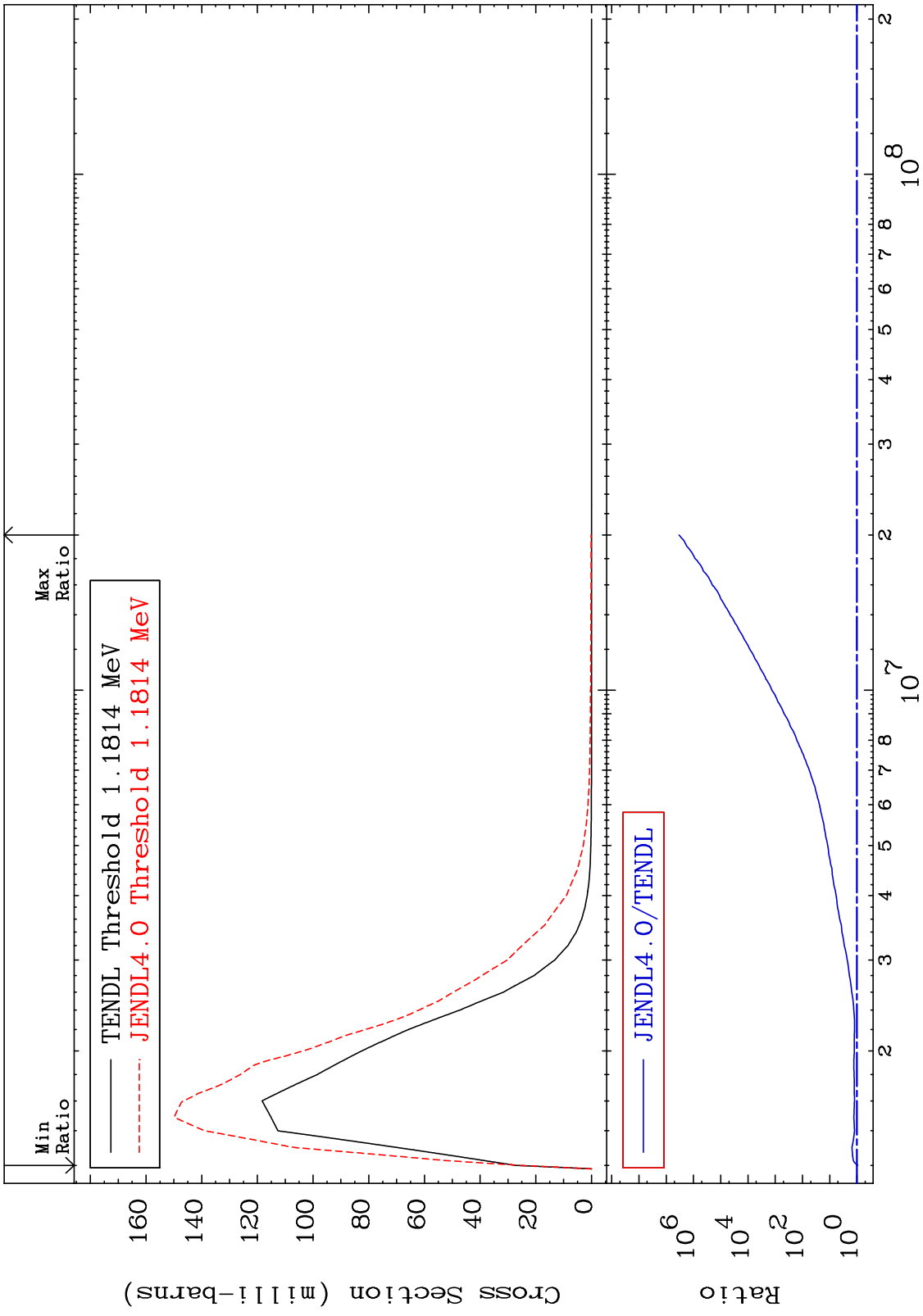


MAT 4649      MT= 54 (n,n') Level Cross Section      46-Pd-110  
 -99.81 To 33.98 %

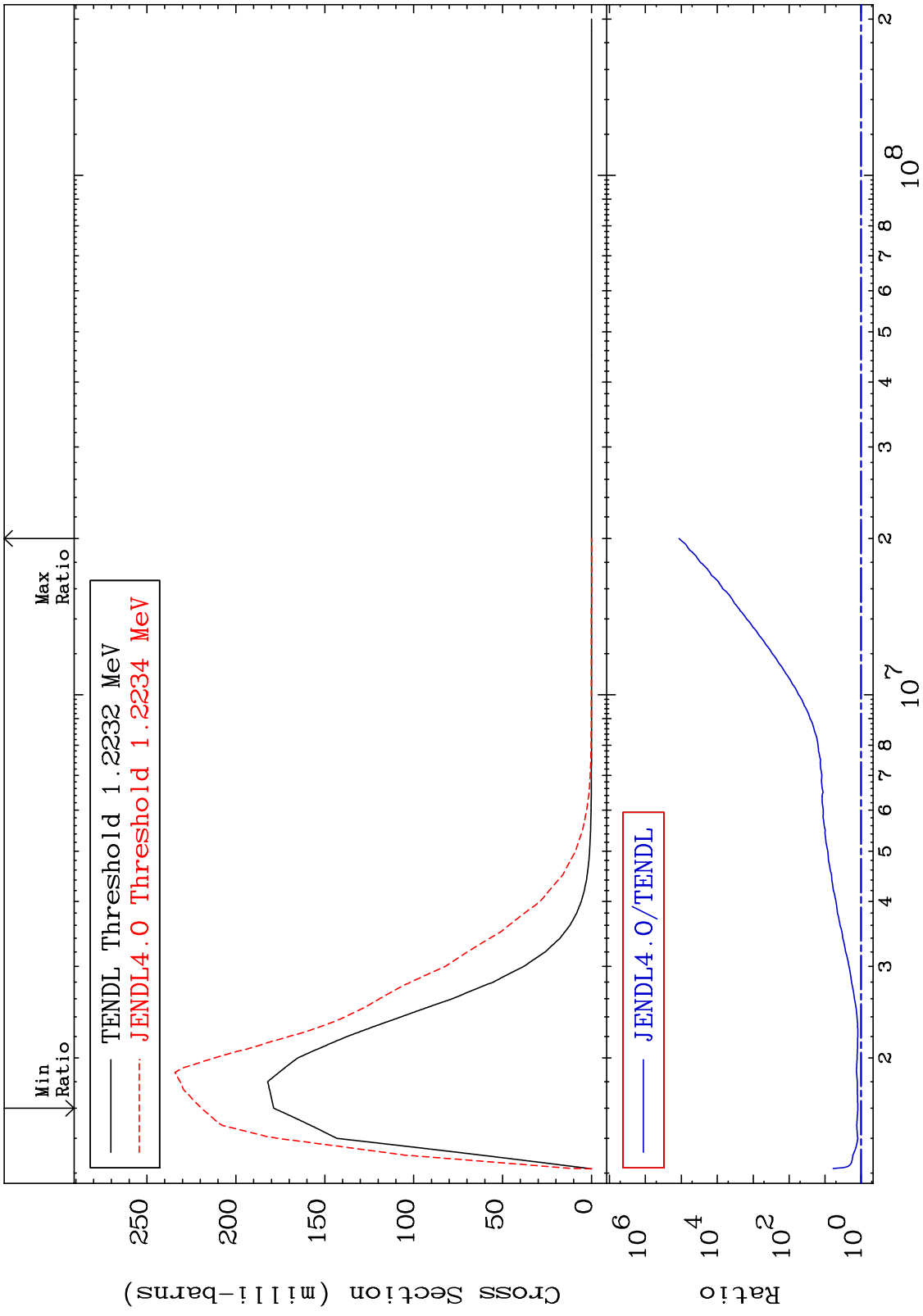


11      46-Pd-110

MAT 4649      MT= 55 (n,n') Level Cross Section      46-Pd-110  
 -6.778 To 9999. %

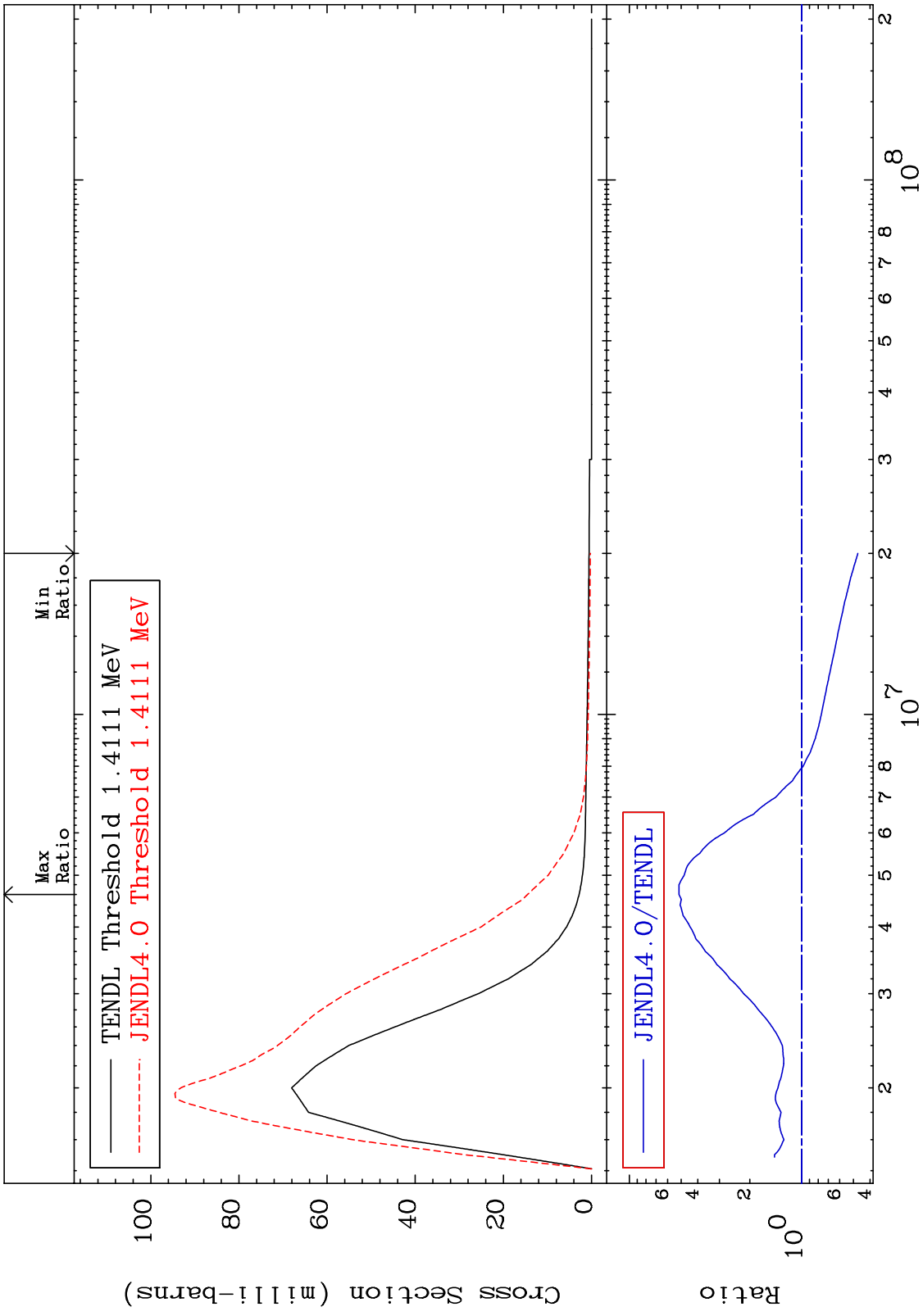


MAT 4649      MT= 56 (n,n') Level Cross Section      46-Pd-110  
 22.75 To 9999. %



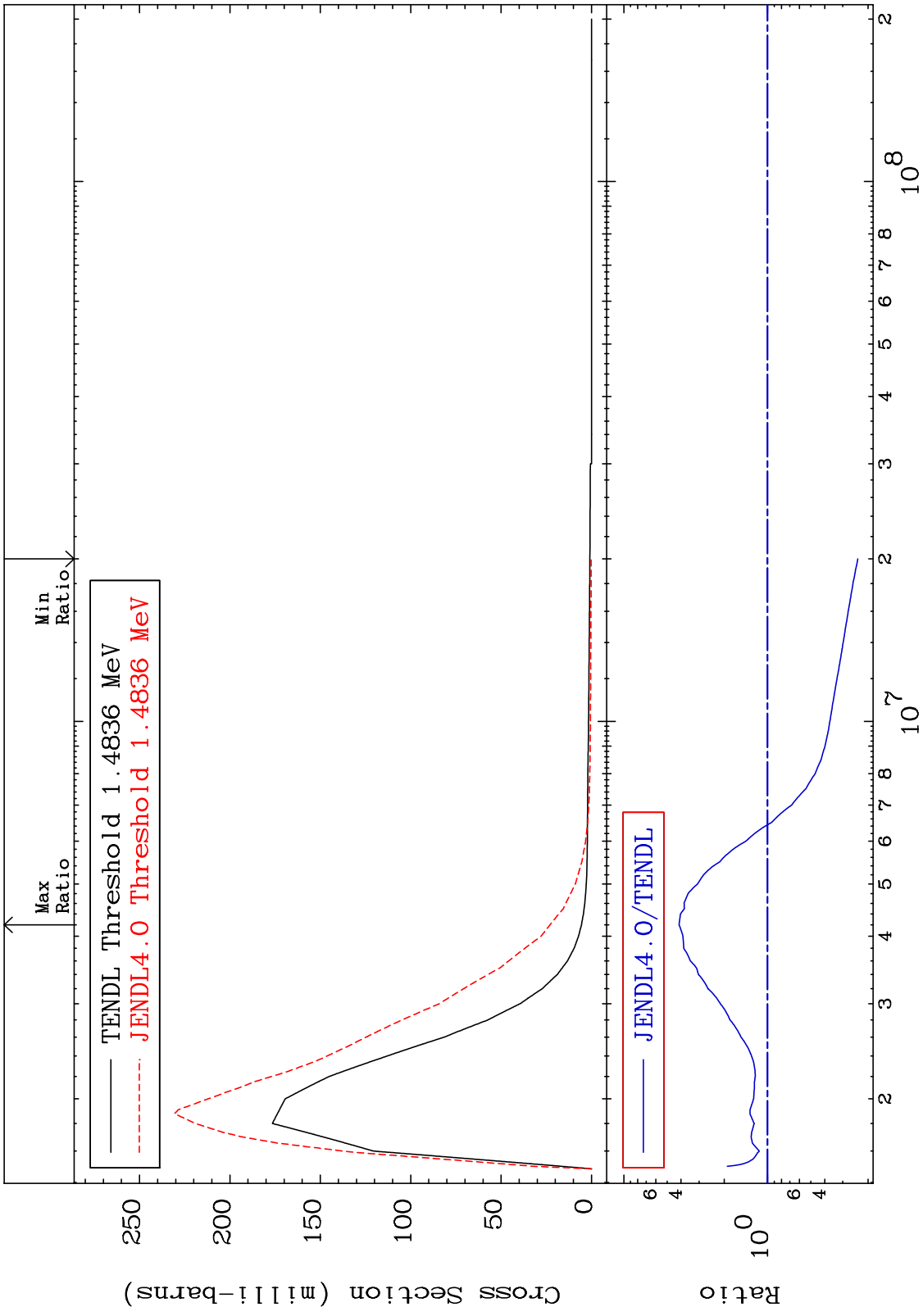


MAT 4649 MT= 58 (n,n') Level Cross Section 46-Pd-110  
 -52.91 To 414.5 %



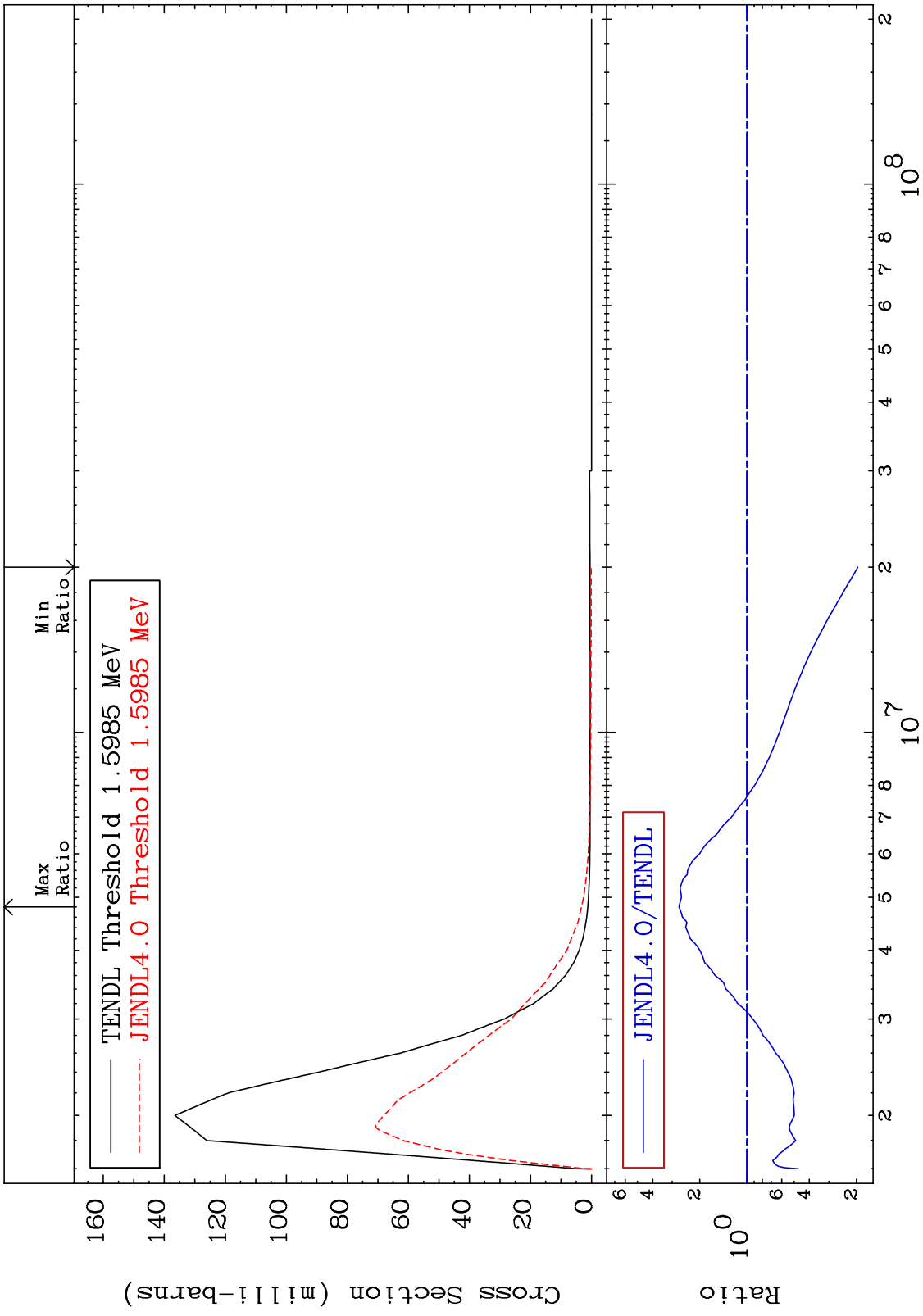


MAT 4649      MT= 59 (n,n') Level Cross Section      46-Pd-110  
 -76.43 To 313.0 %

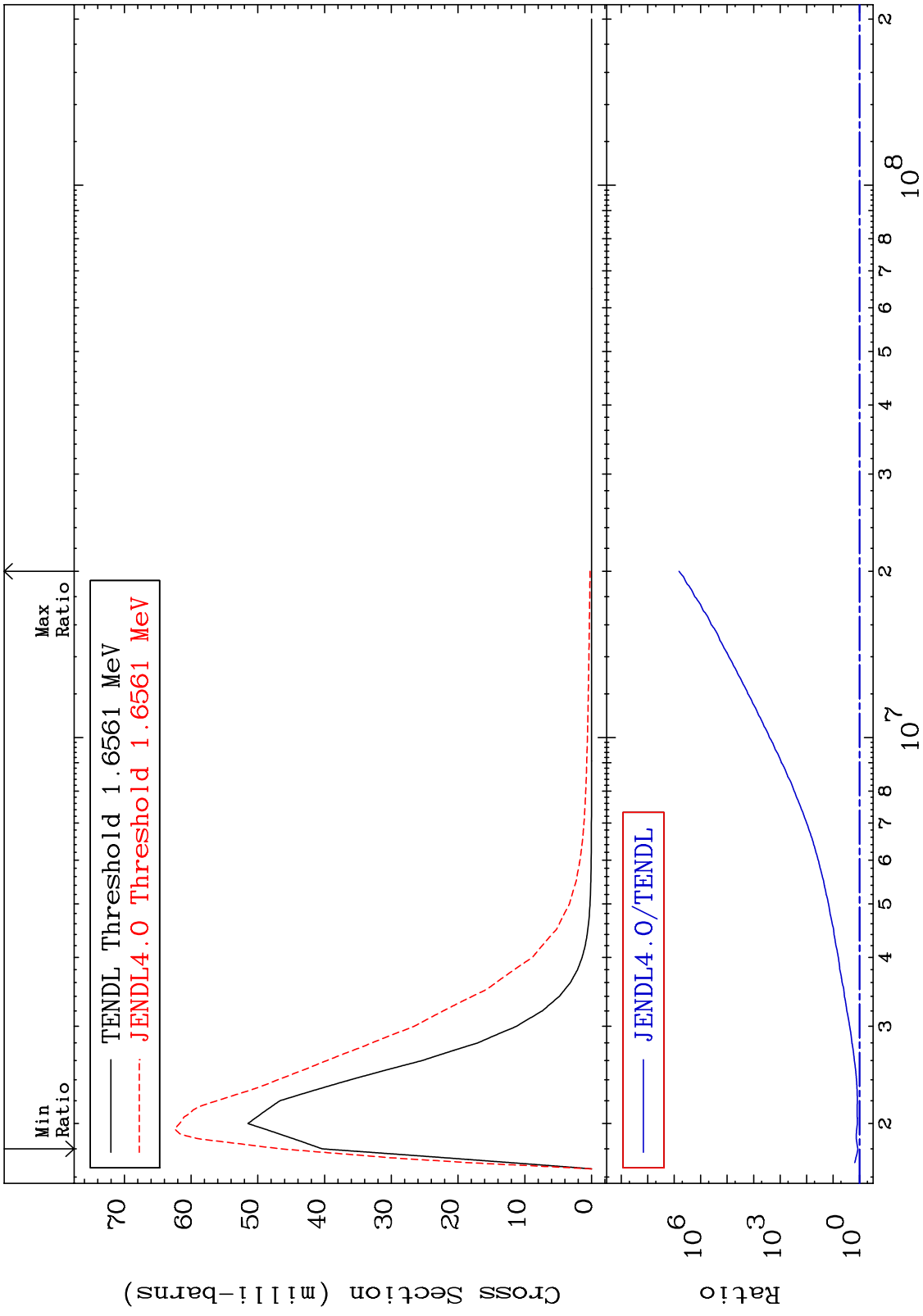




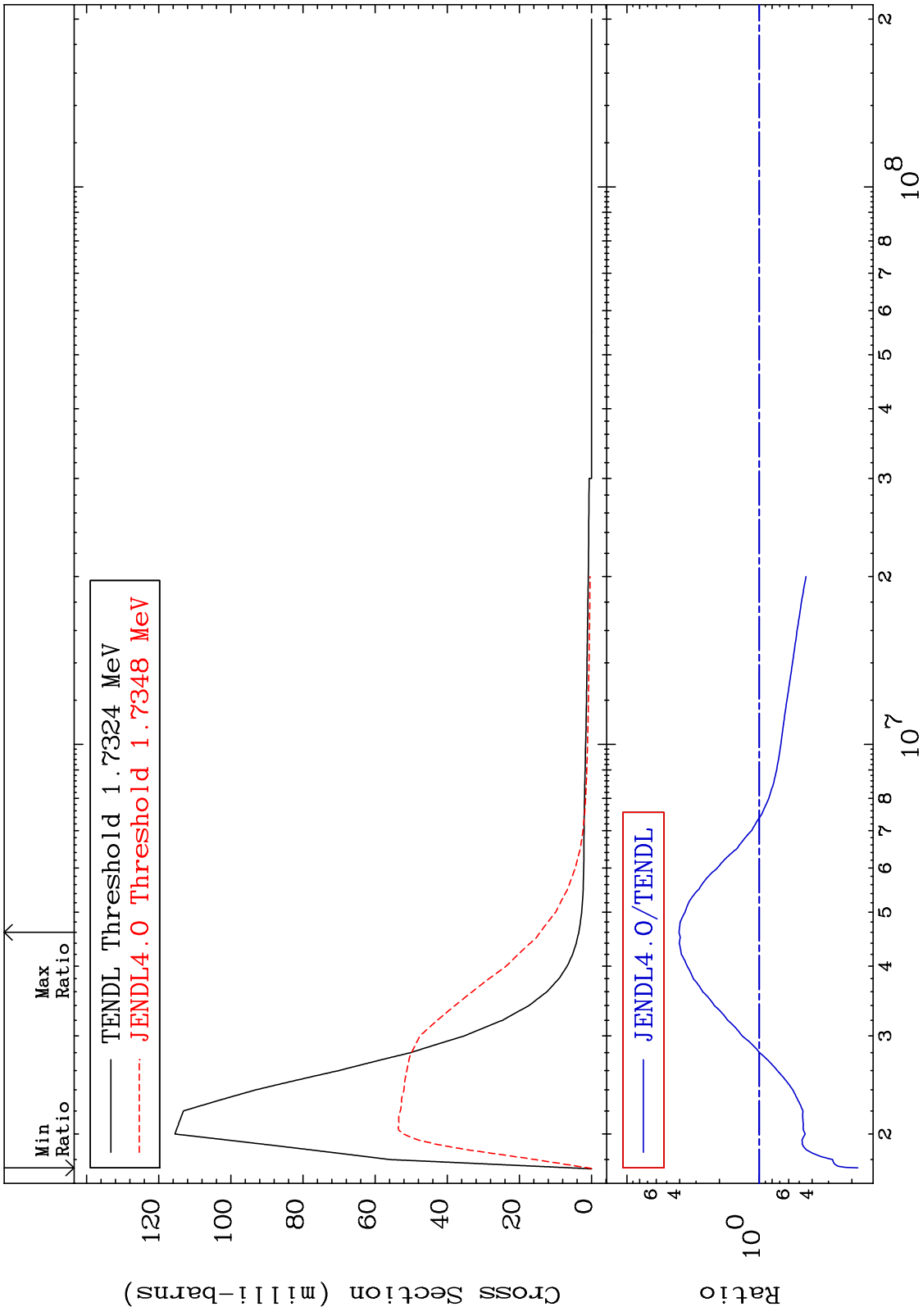
MAT 4649      MT= 61 (n,n') Level Cross Section      46-Pd-110  
 -80.39 To 171.5 %



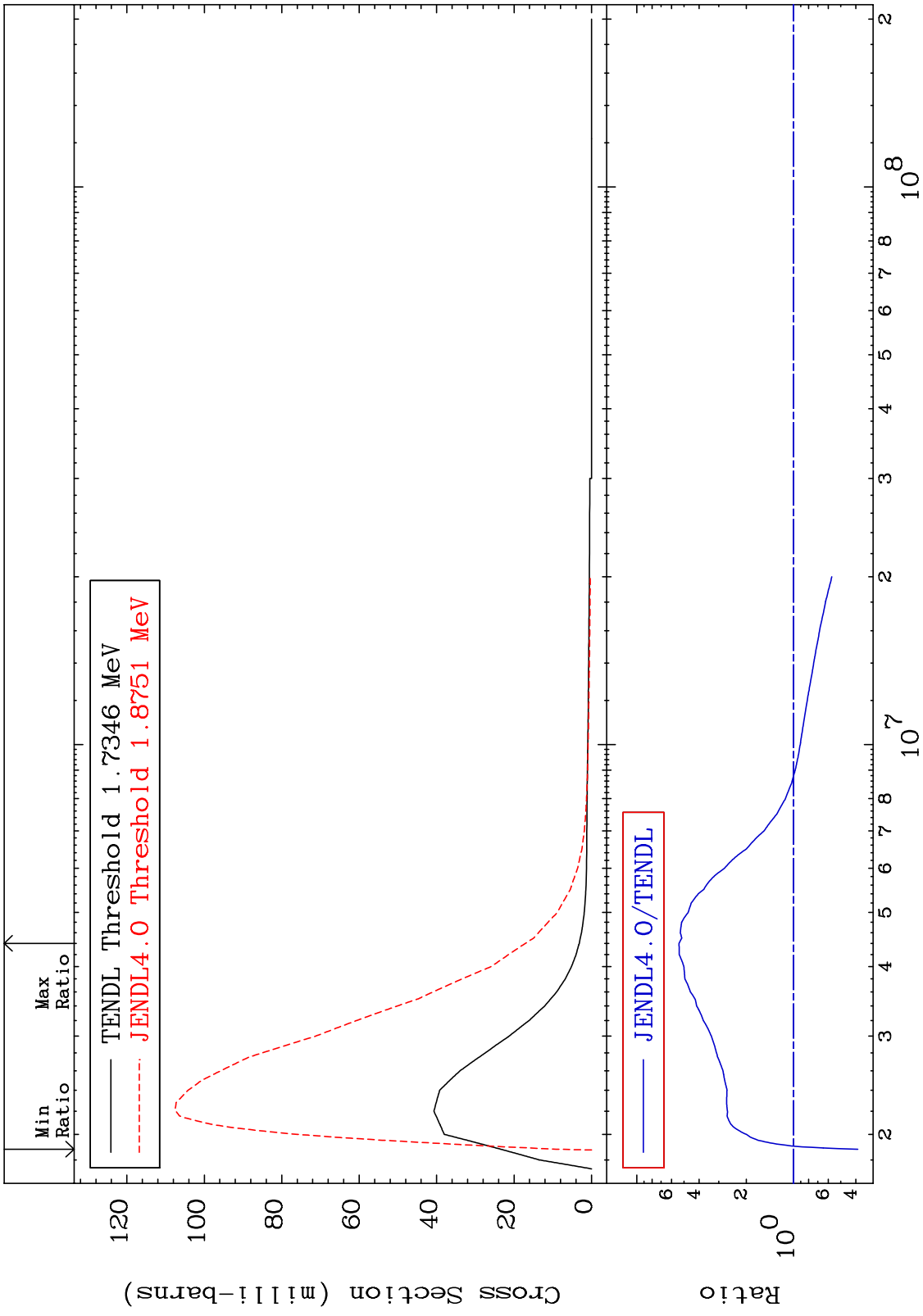
MAT 4649      MT= 62 (n,n') Level Cross Section      46-Pd-110  
 15.45    To 9999. %



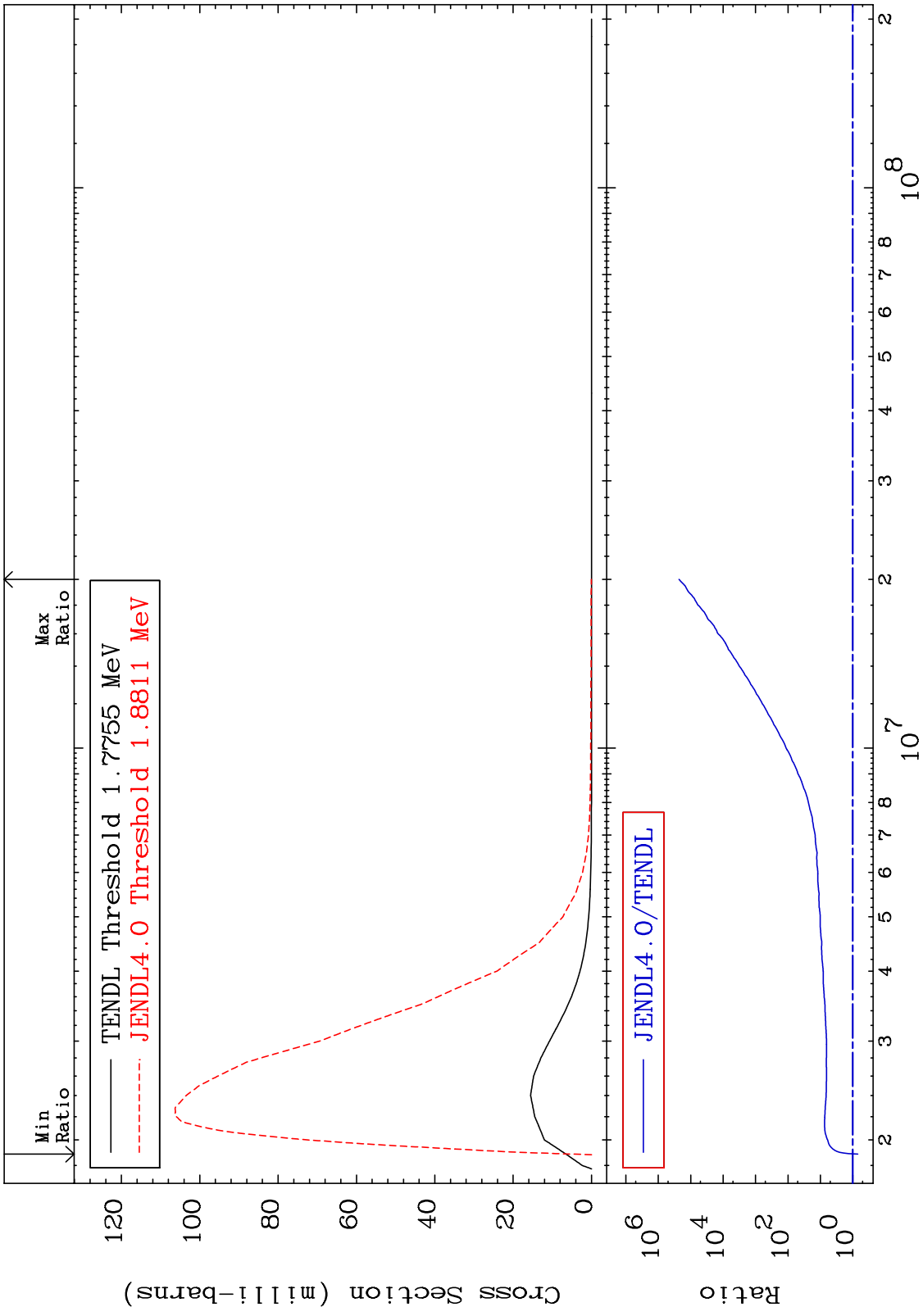
MAT 4649      MT= 63 (n,n') Level      46-Pd-110  
 Cross Section      -81.98 To 303.8 %



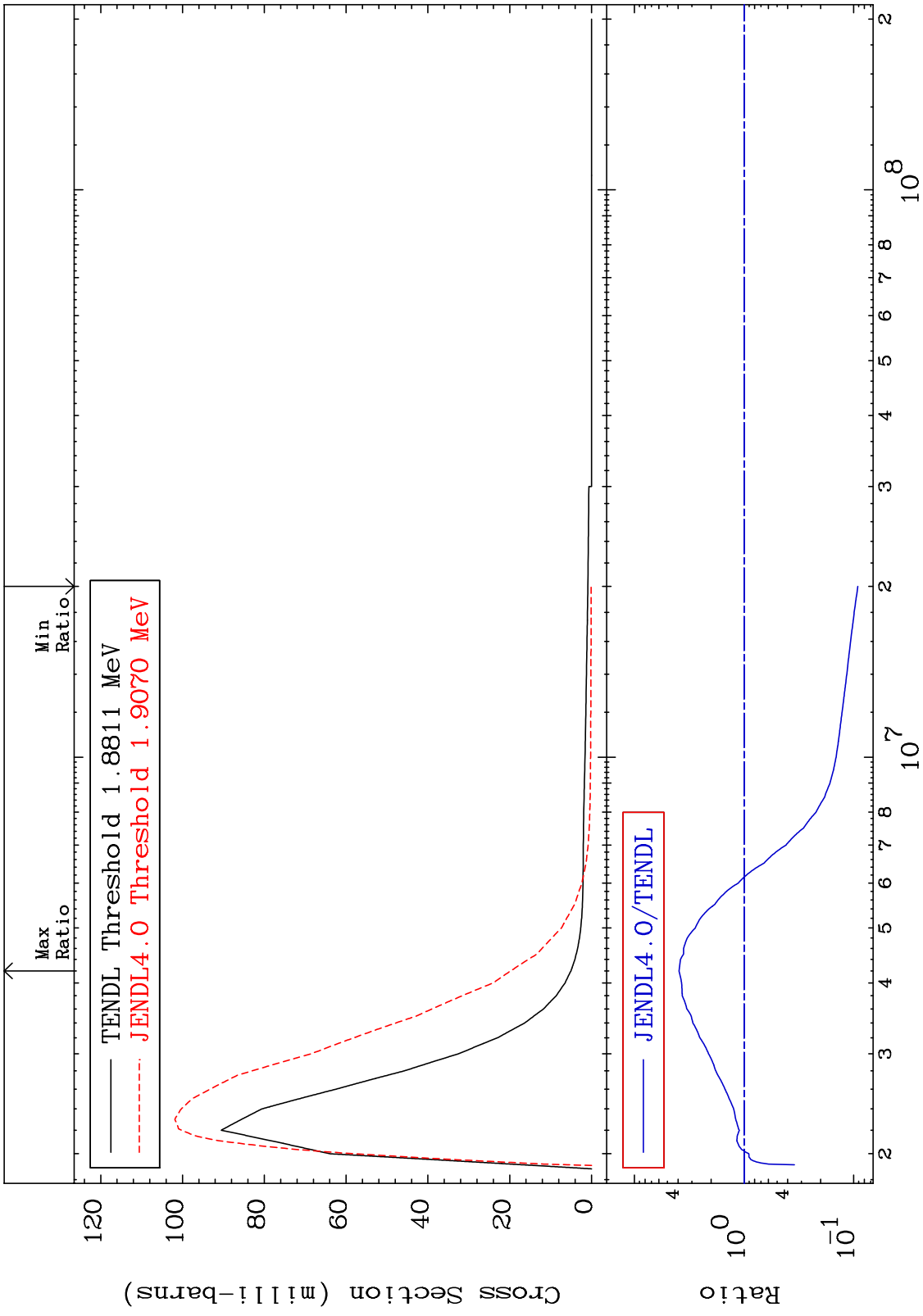
MAT 4649 MT= 64 (n,n') Level  
 Cross Section 46-Pd-110  
 -61.17 To 437.5 %



MAT 4649      MT= 65 (n,n') Level Cross Section      46-Pd-110  
 -29.81 To 9999. %

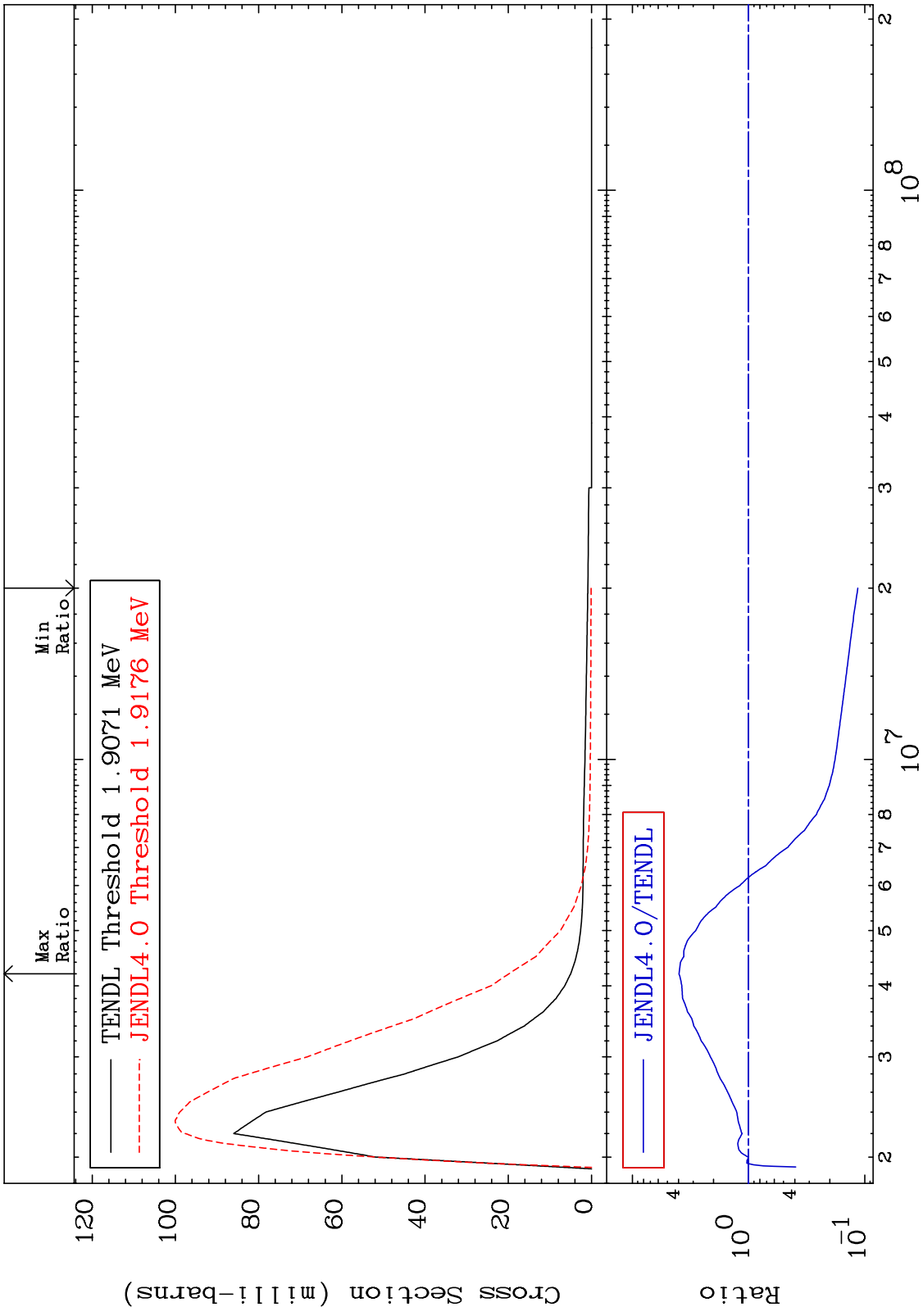


MAT 4649      MT= 66 (n,n') Level Cross Section      46-Pd-110  
 -90.85 To 292.1 %

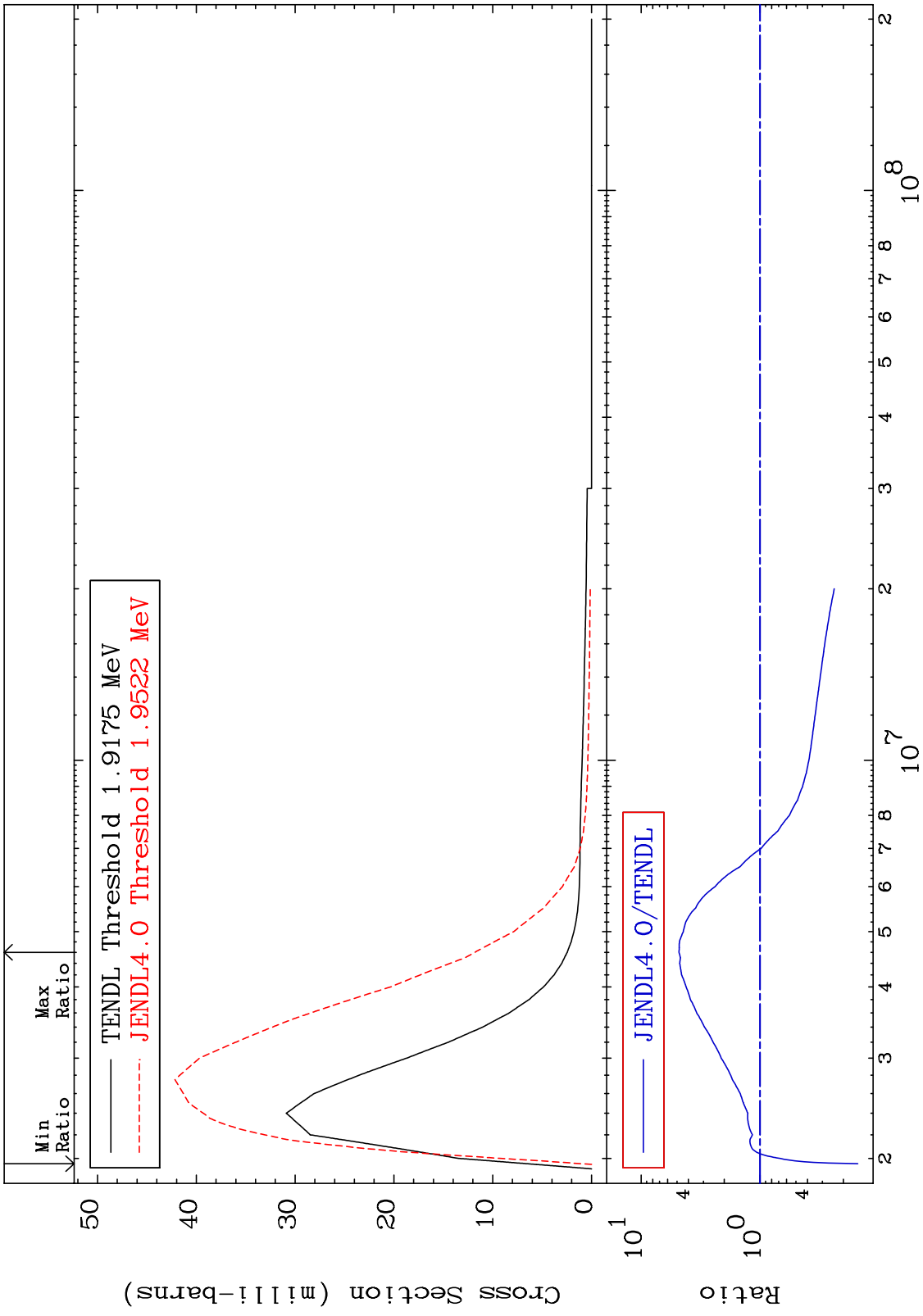




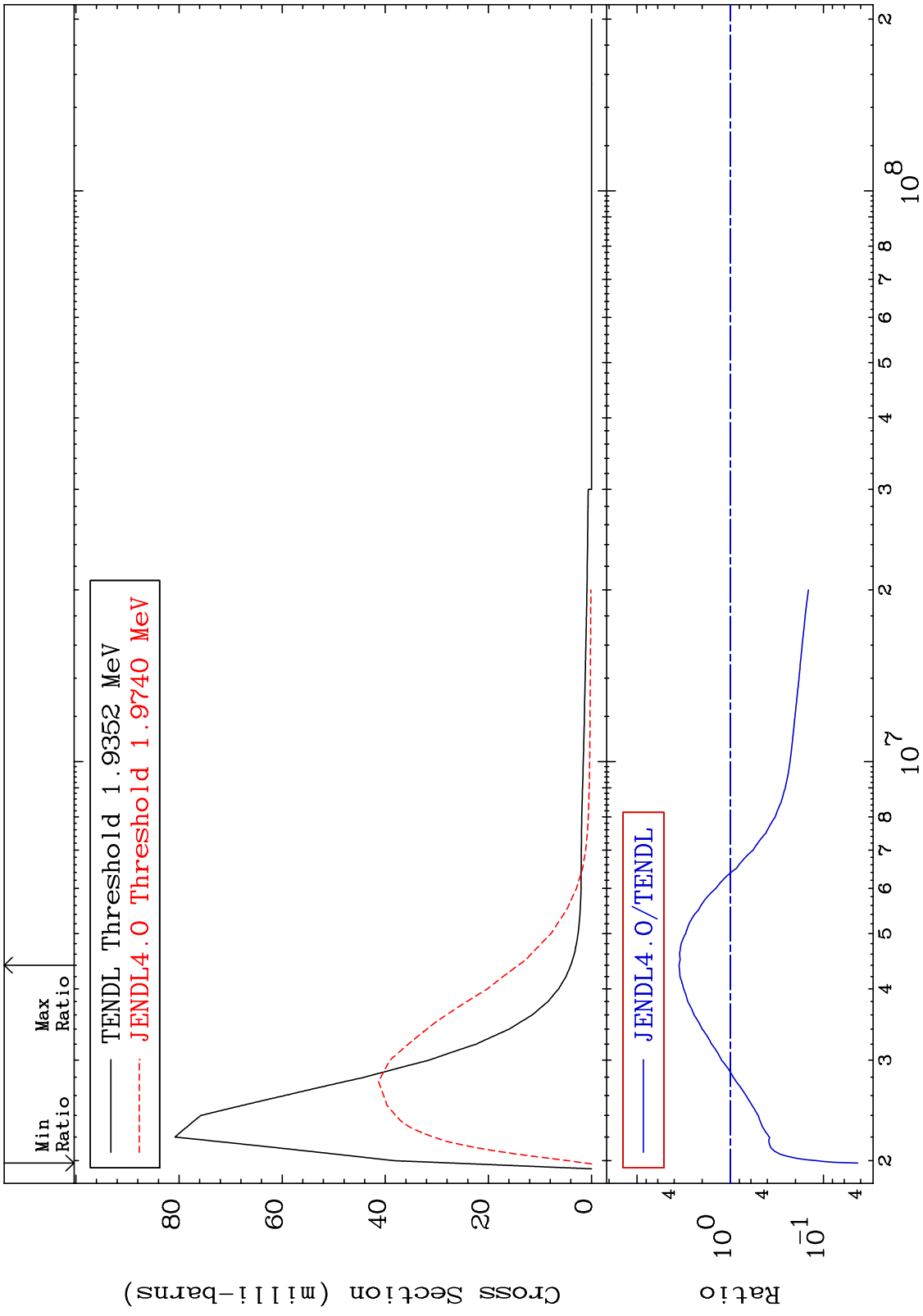
MAT 4649      MT= 67 (n,n') Level Cross Section      46-Pd-110  
 -88.52 To 296.5 %



MAT 4649      MT= 68 (n,n') Level Cross Section      46-Pd-110  
 -84.89 To 380.1 %



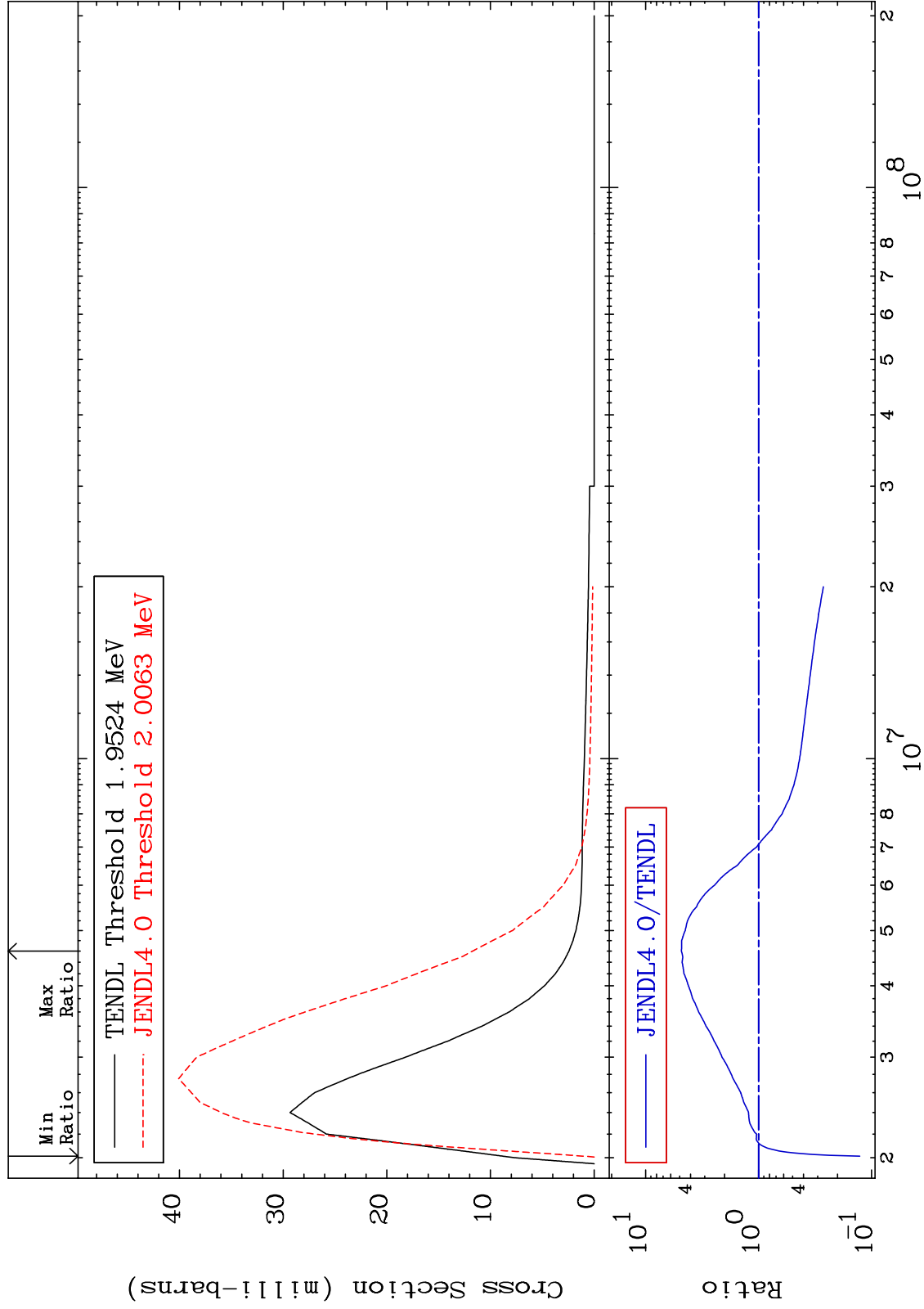
MAT 4649      MT= 69 (n,n') Level      46-Pd-110  
 Cross Section      -95.72 To 254.5 %



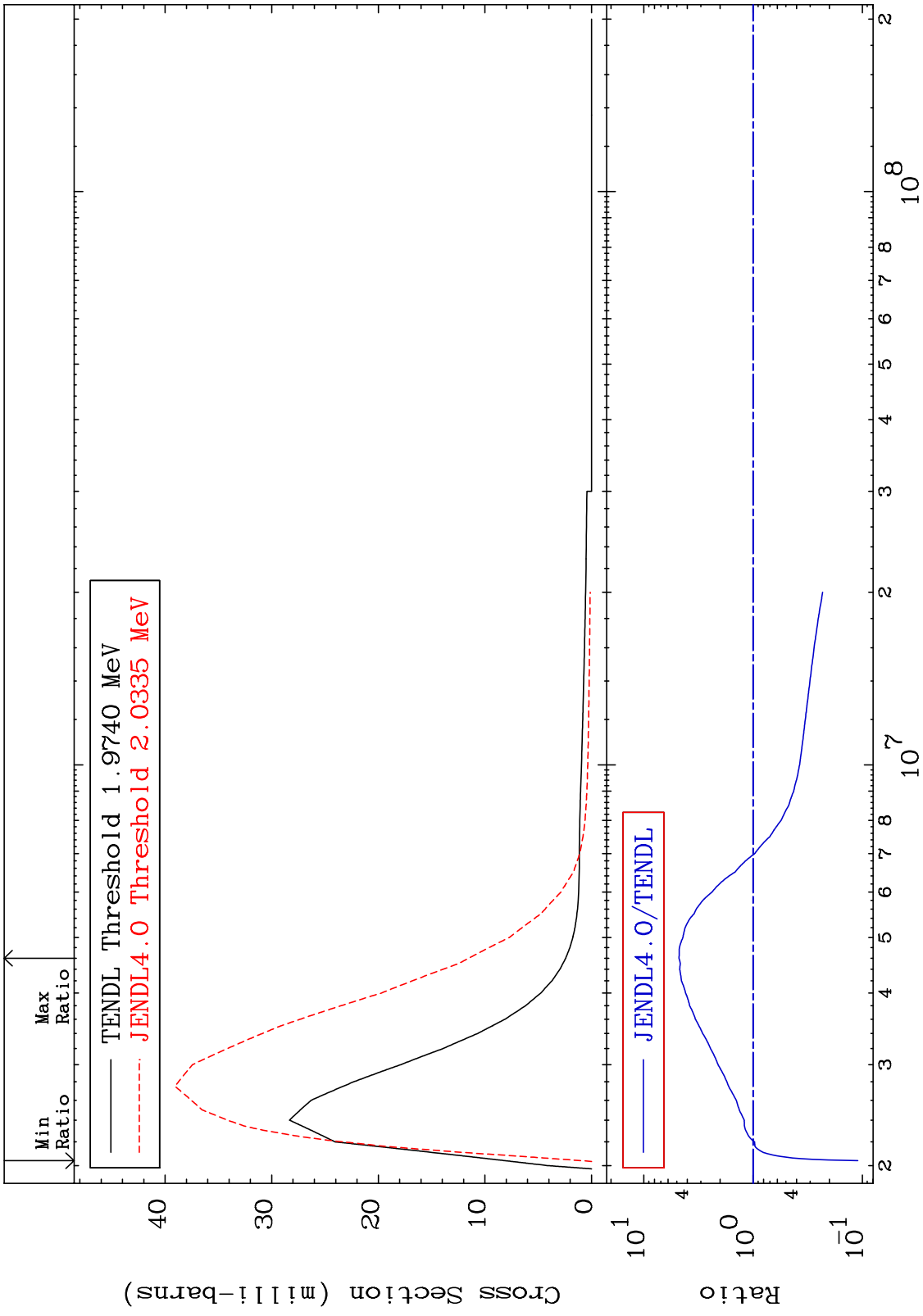
MAT 4649

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

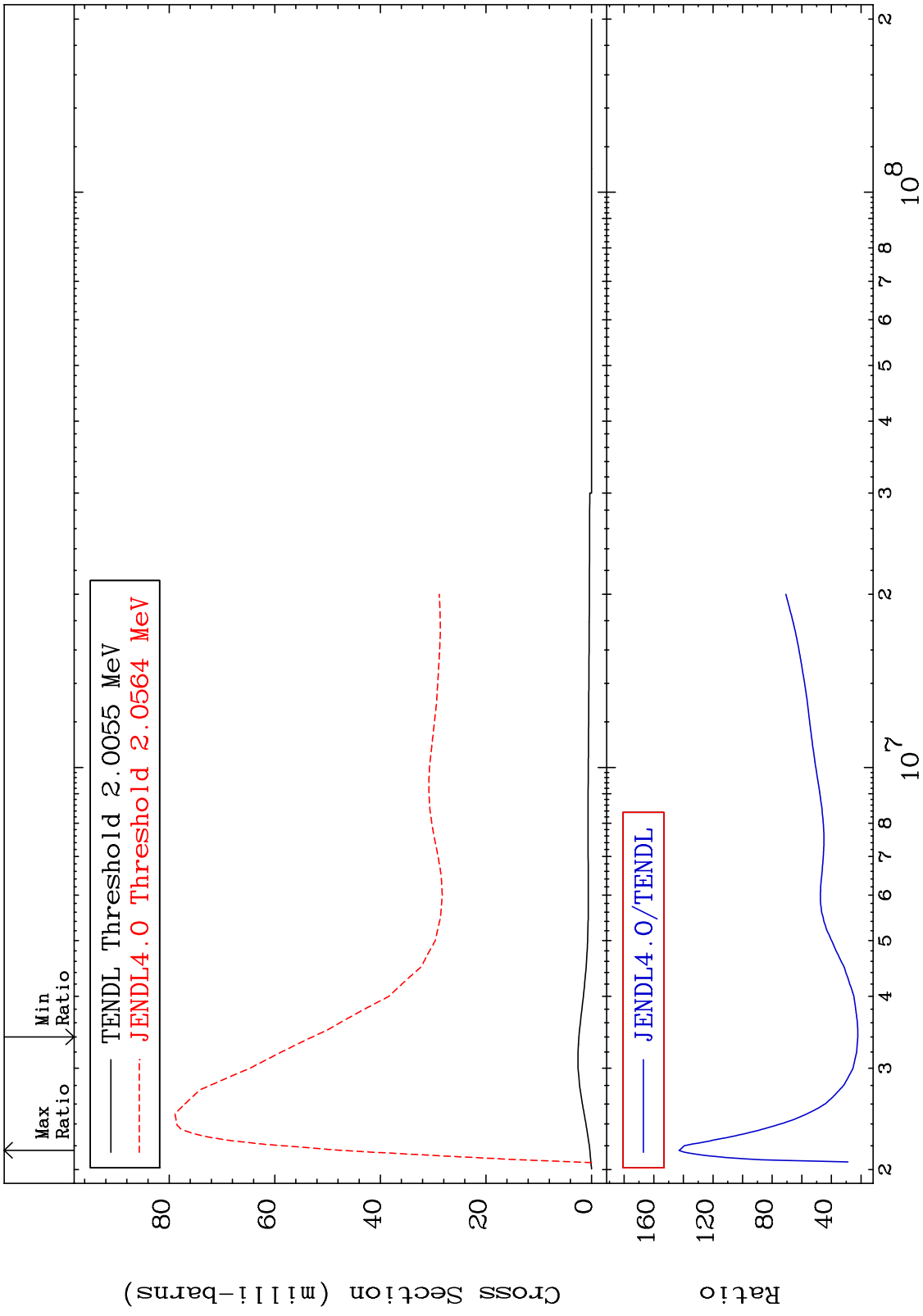
46-Pd-110  
-87.32 To 382.0 %



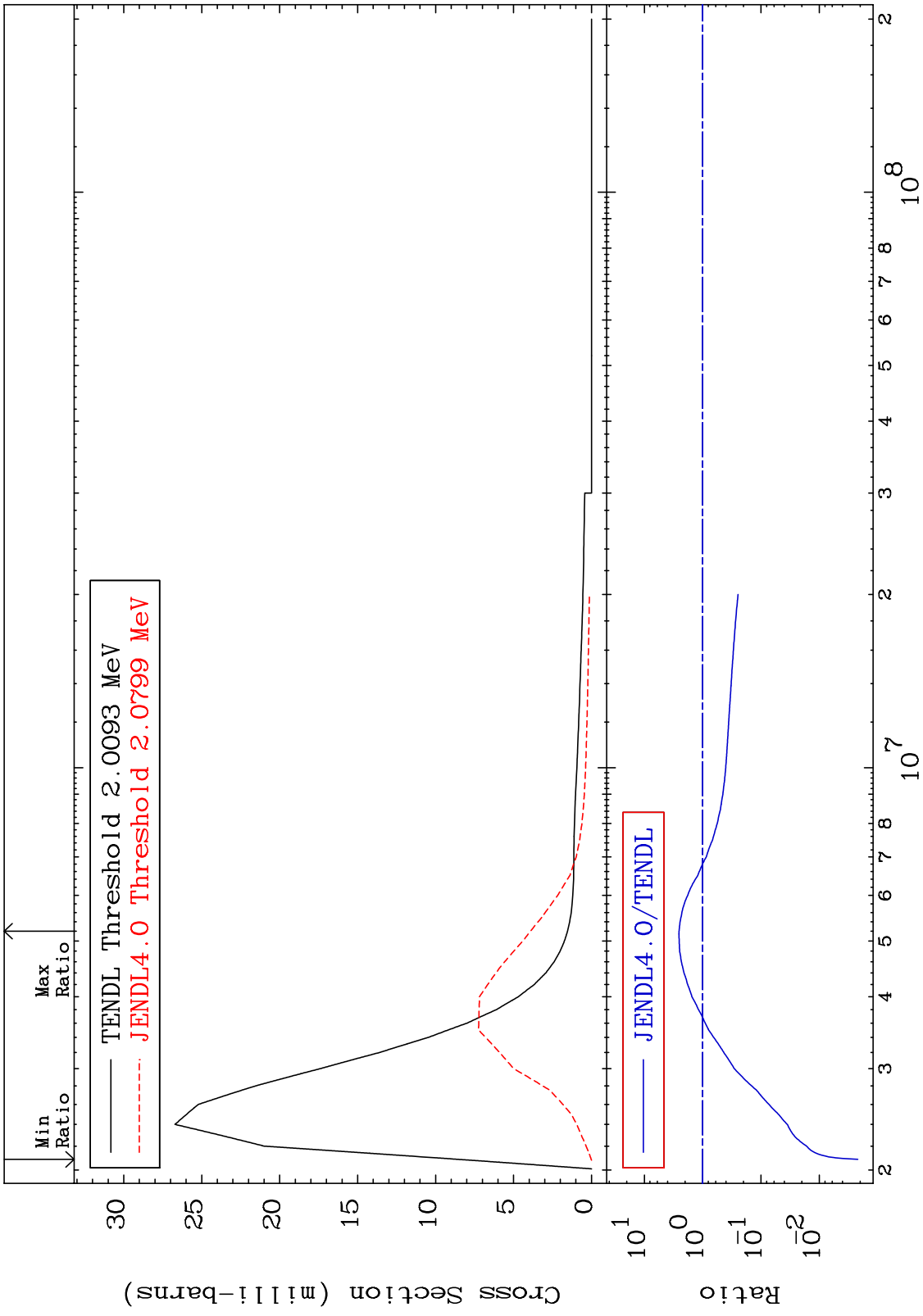
MAT 4649      MT= 71 (n,n') Level      46-Pd-110  
 Cross Section      -89.02 To 376.0 %



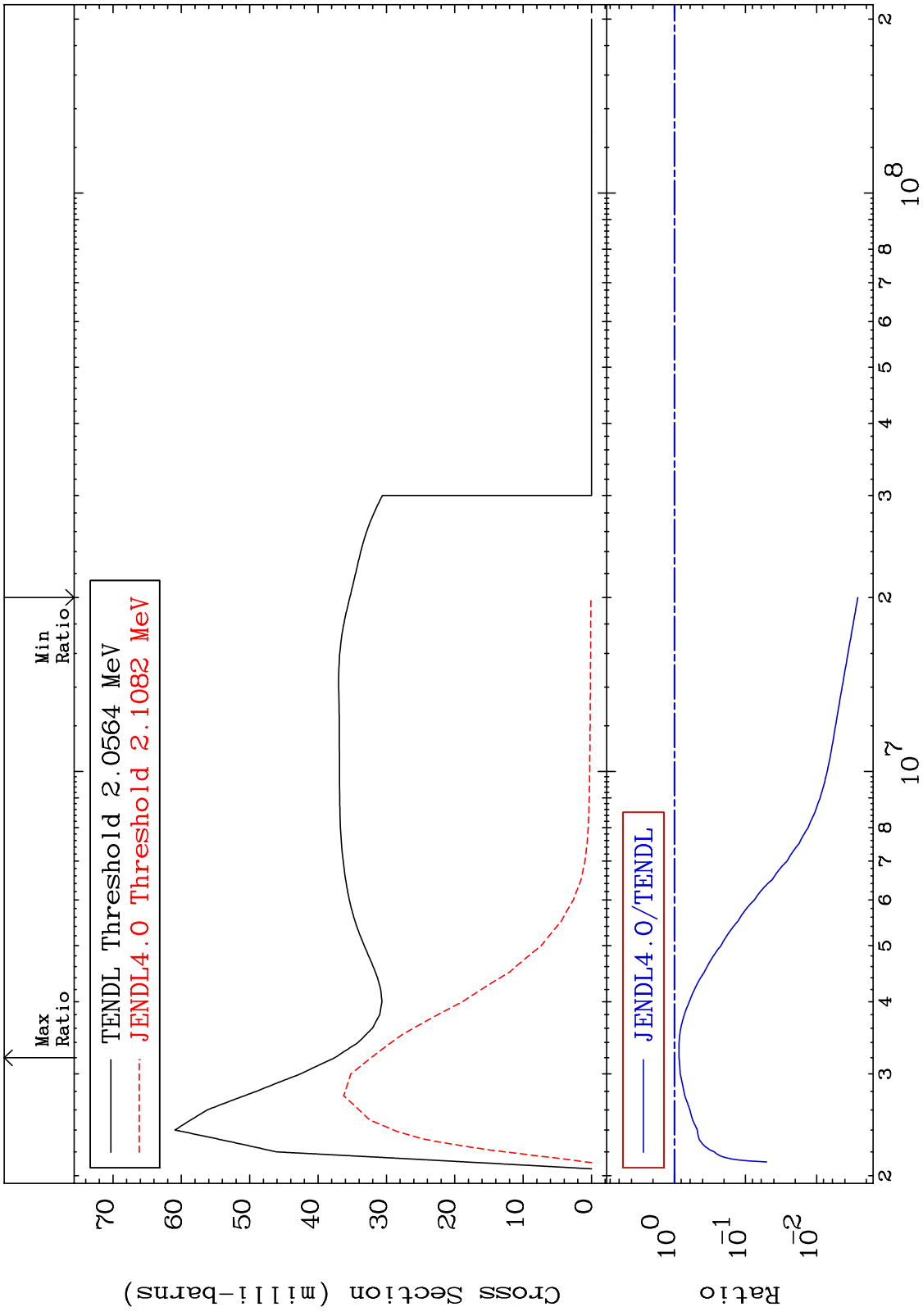
MAT 4649      MT= 72 (n,n') Level Cross Section      46-Pd-110      2113. To 9999. %



MAT 4649      MT= 73 (n,n') Level      46-Pd-110  
 Cross Section      -99.78 To 154.2 %

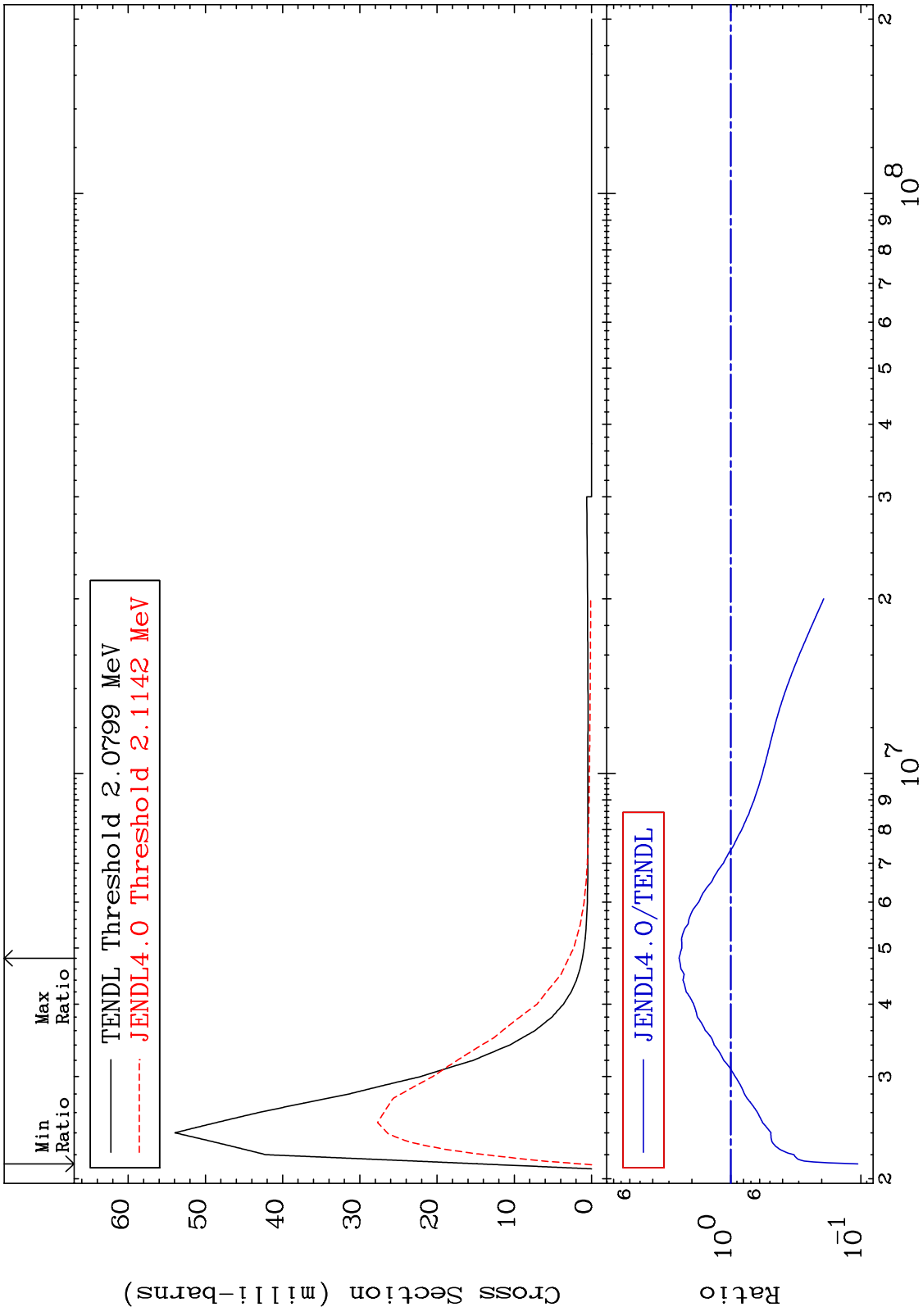


MAT 4649      MT= 74 (n,n') Level      46-Pd-110  
 Cross Section      -99.74 To -14.14%

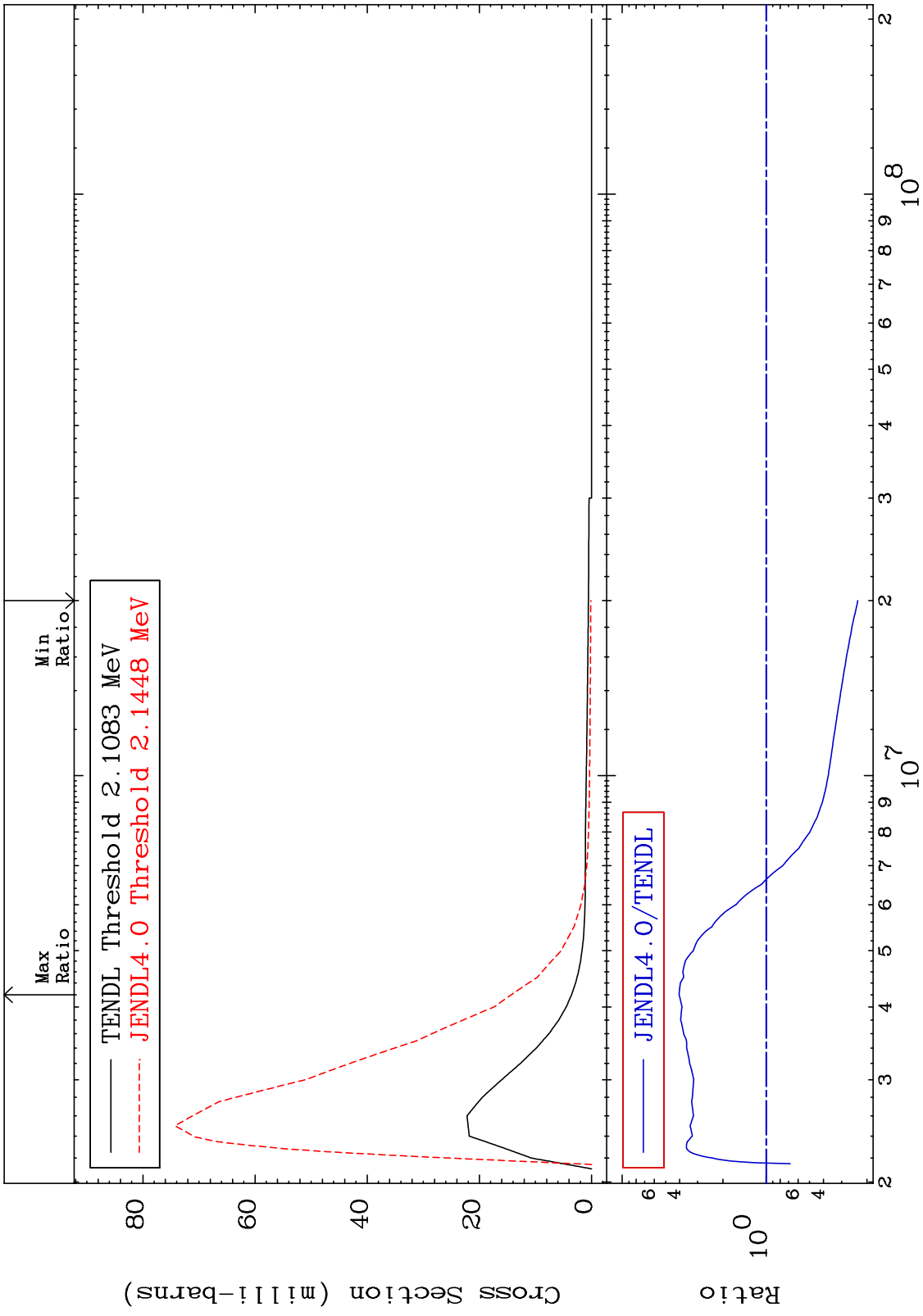




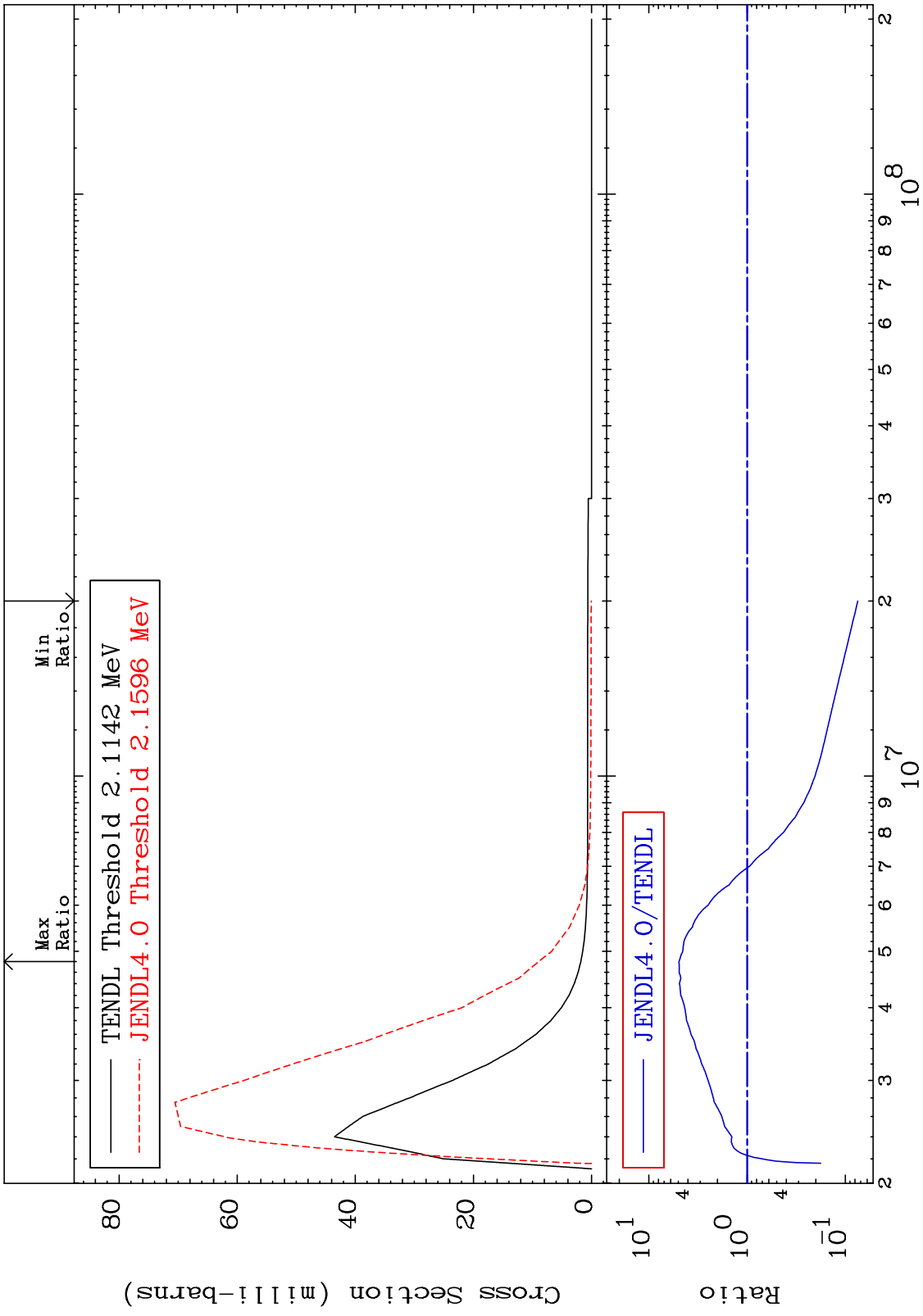
MAT 4649      MT= 75 (n,n') Level      46-Pd-110  
 Cross Section      -89.47 To 150.7 %



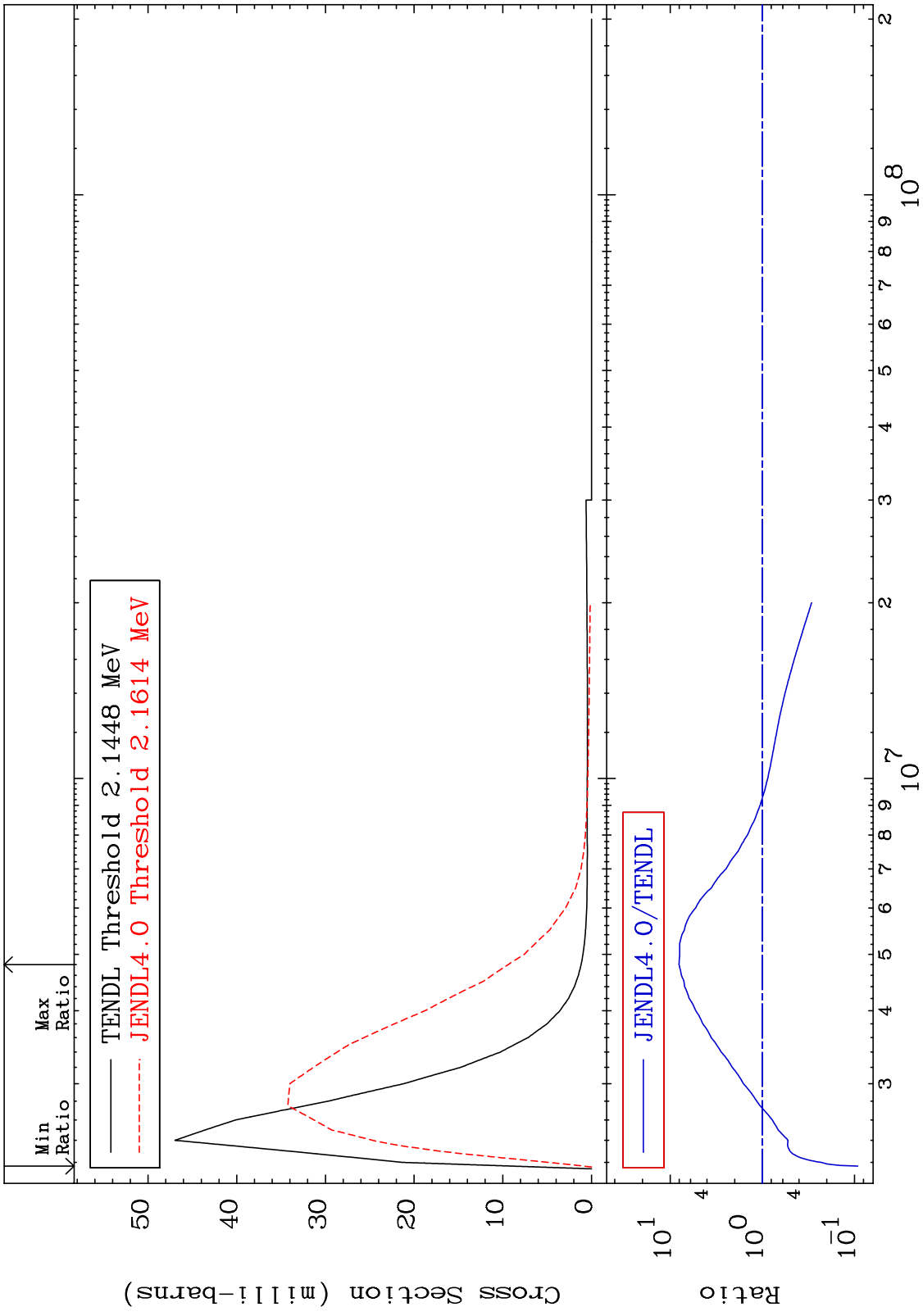
MAT 4649 MT= 76 (n,n') Level Cross Section 46-Pd-110 -76.89 To 303.2 %



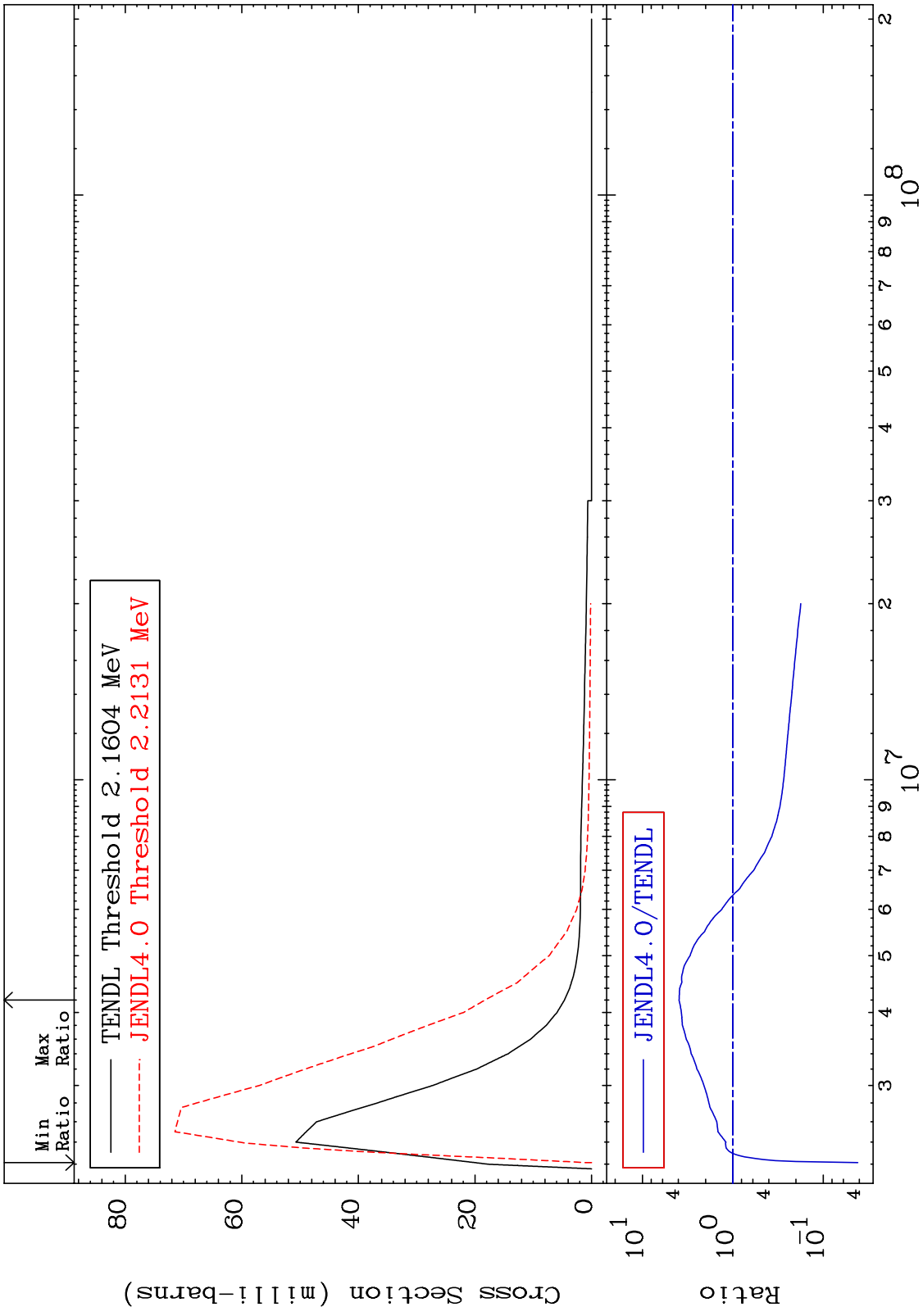
MAT 4649      MT= 77 (n,n') Level Cross Section      46-Pd-110  
 -92.54 To 392.8 %



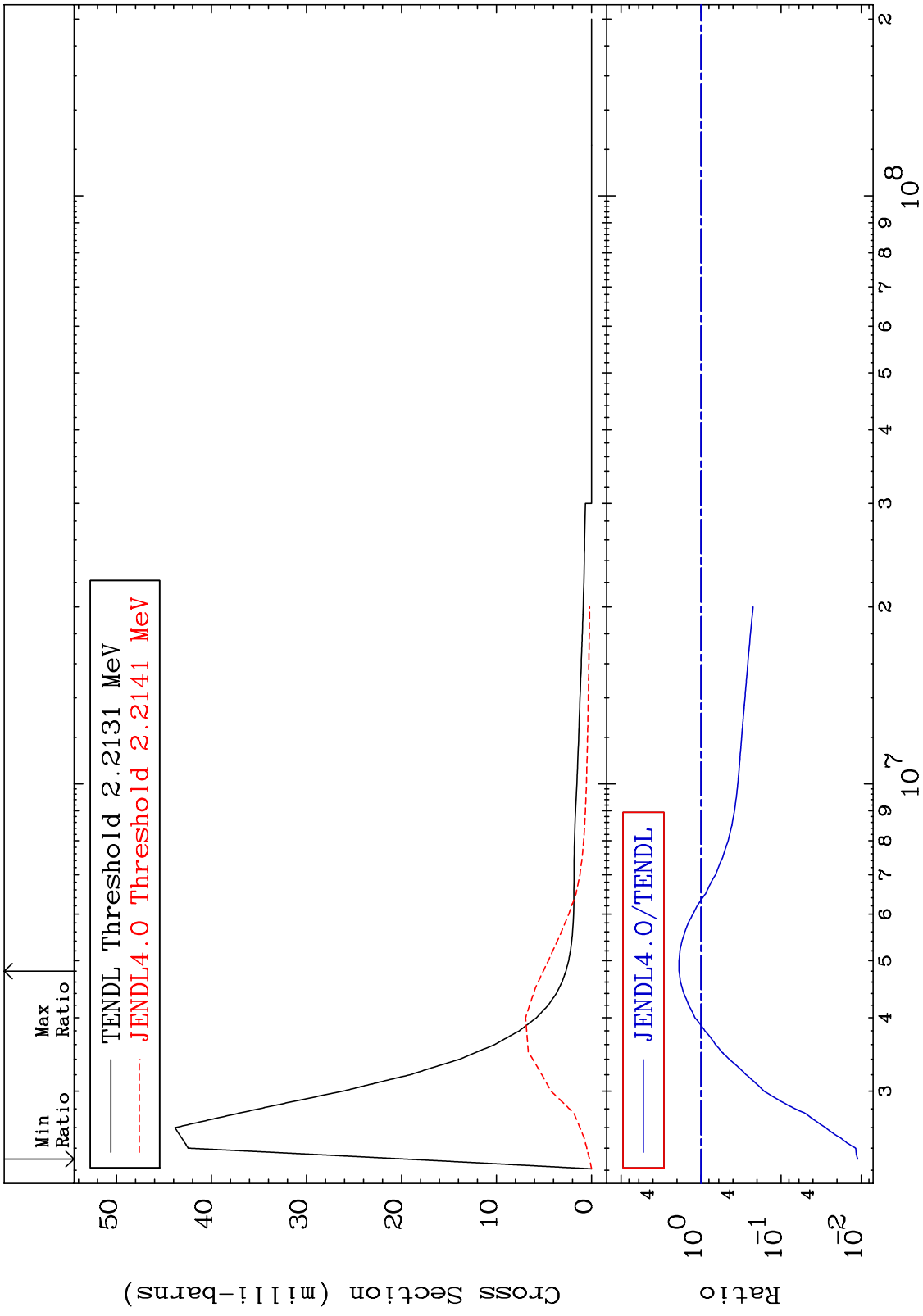
MAT 4649      MT= 78 (n,n') Level  
 Cross Section      -90.80 To 702.0 %      46-Pd-110



MAT 4649      MT= 79 (n,n') Level  
 Cross Section      46-Pd-110  
 -95.86 To 293.5 %



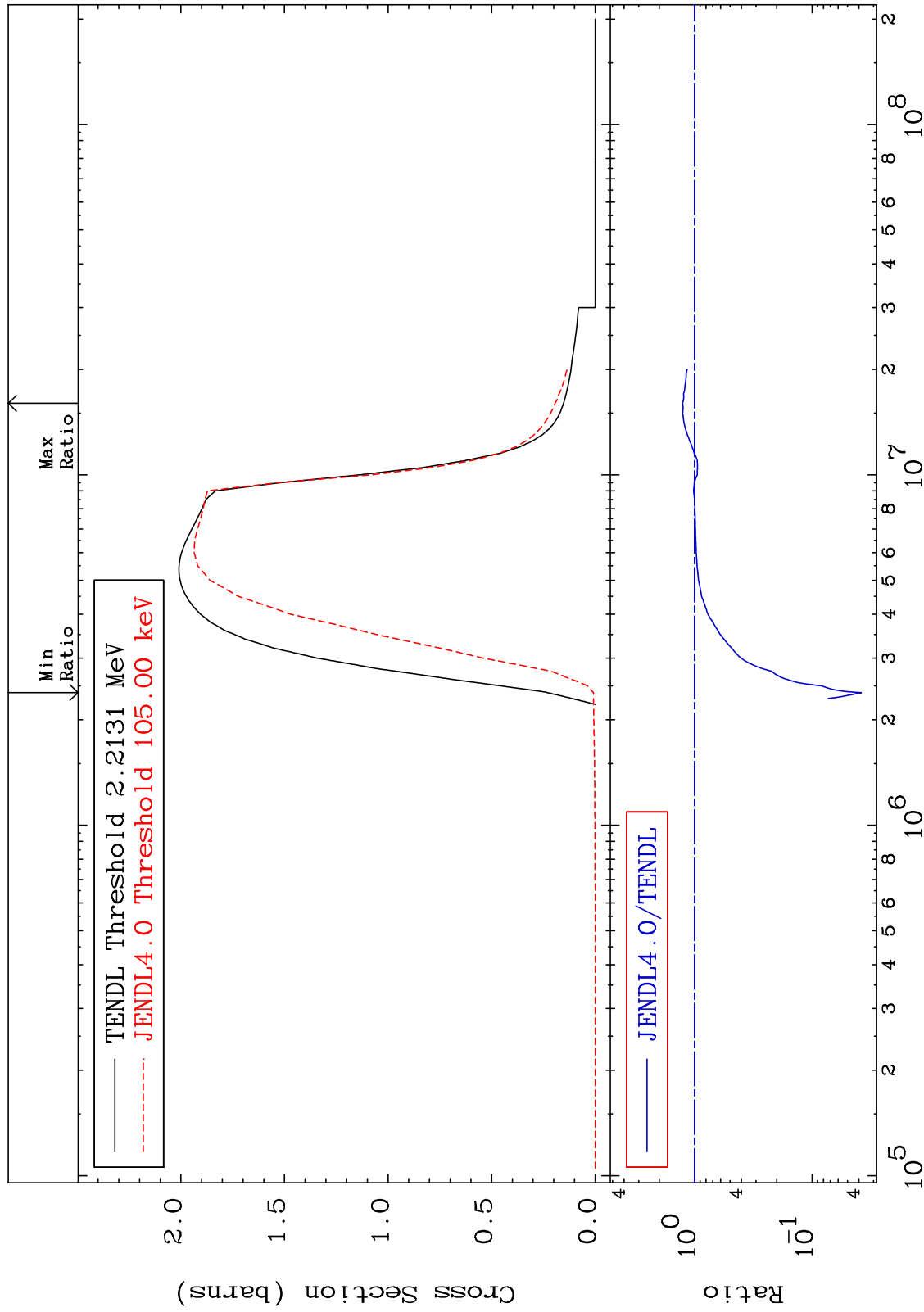
MAT 4649      MT= 80 (n,n') Level      46-Pd-110  
 Cross Section      -98.90 To 88.62 %



MAT 4649

(n, n') Continuum  
Cross Section

46-Pd-110  
-96.19 To 26.51 %



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Incident Energy (eV)

46-Pd-110

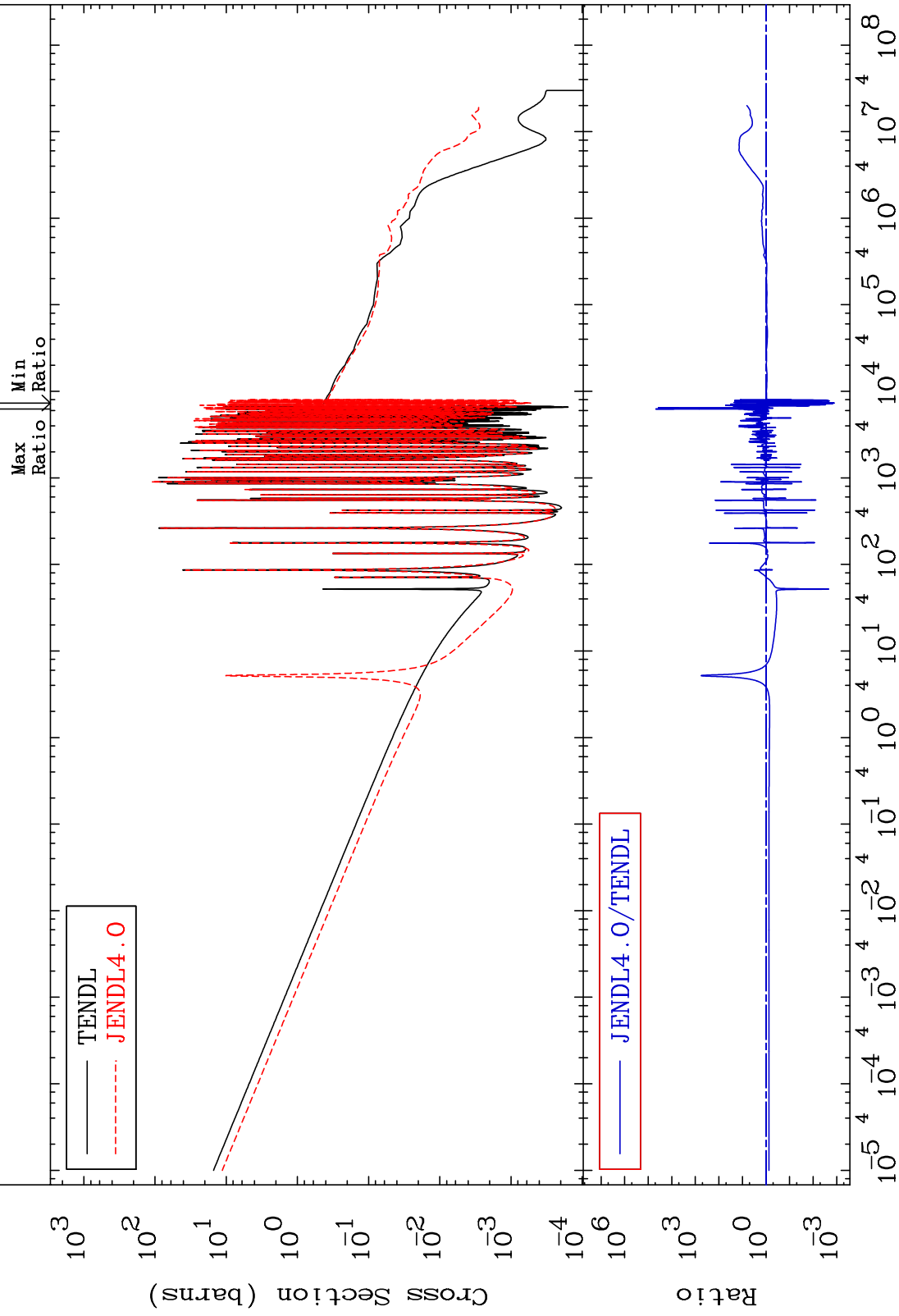
MAT 4649

(n,  $\gamma$ )

46-Pd-110

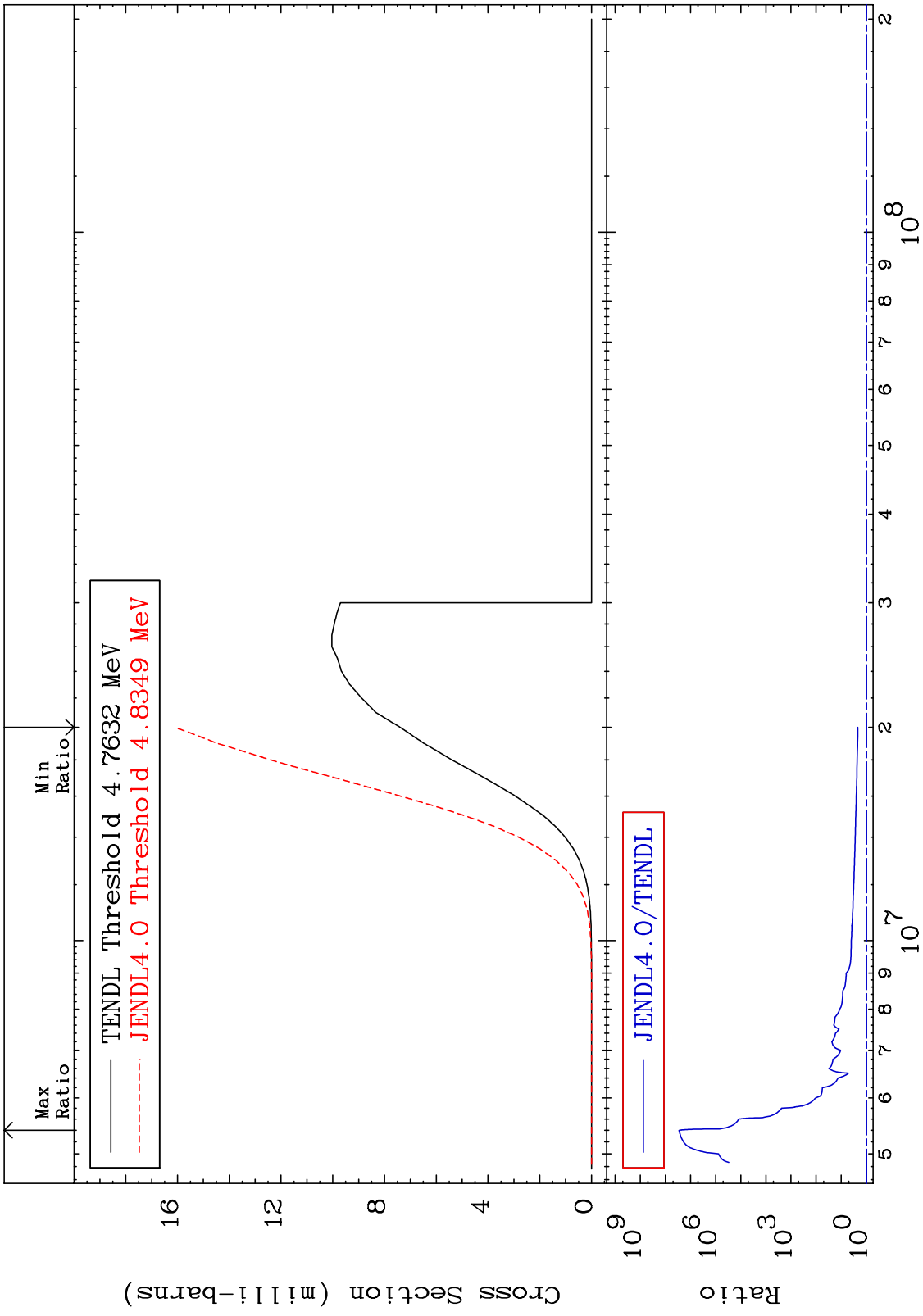
-99.88 To 9999. %

Cross Section

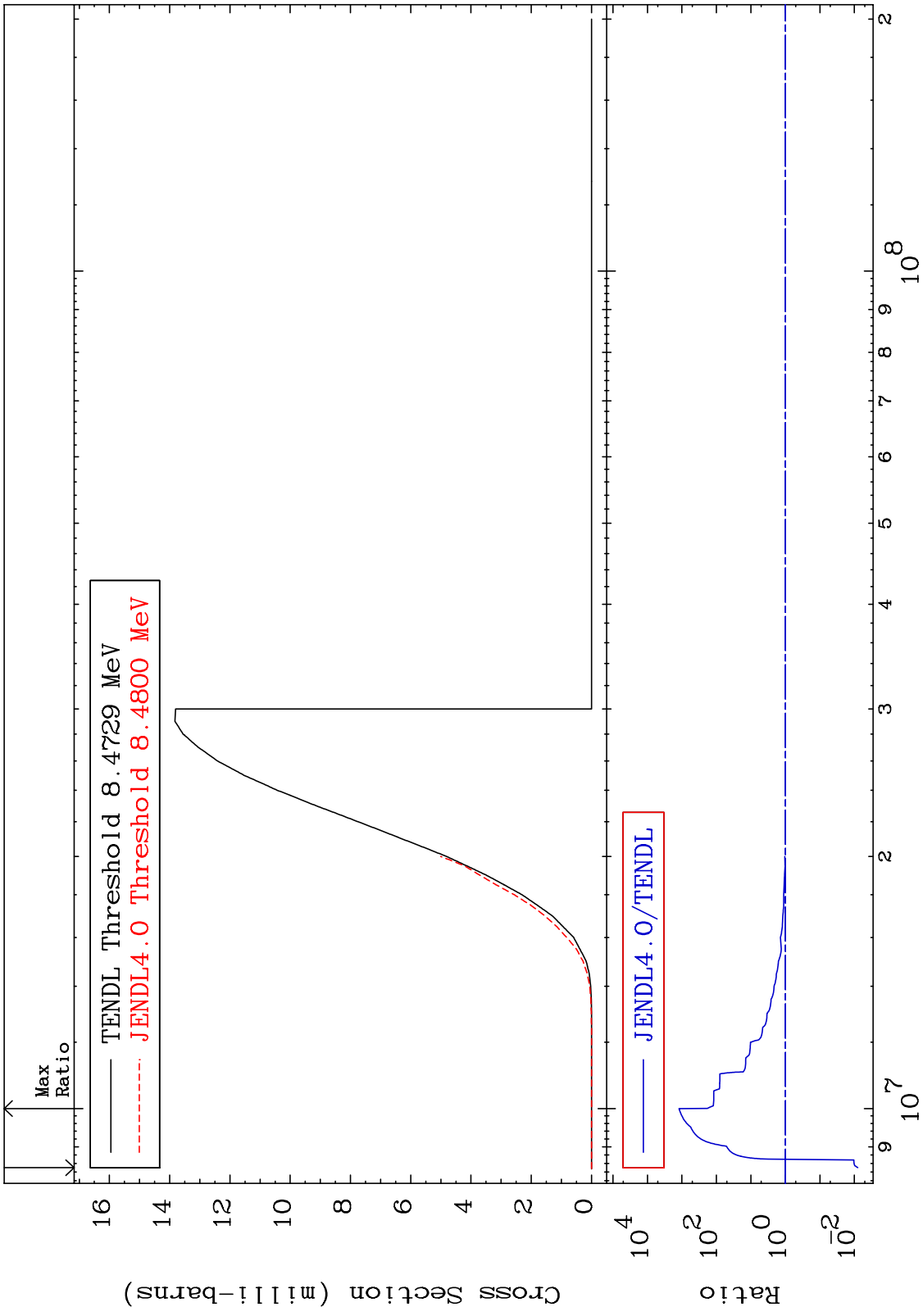




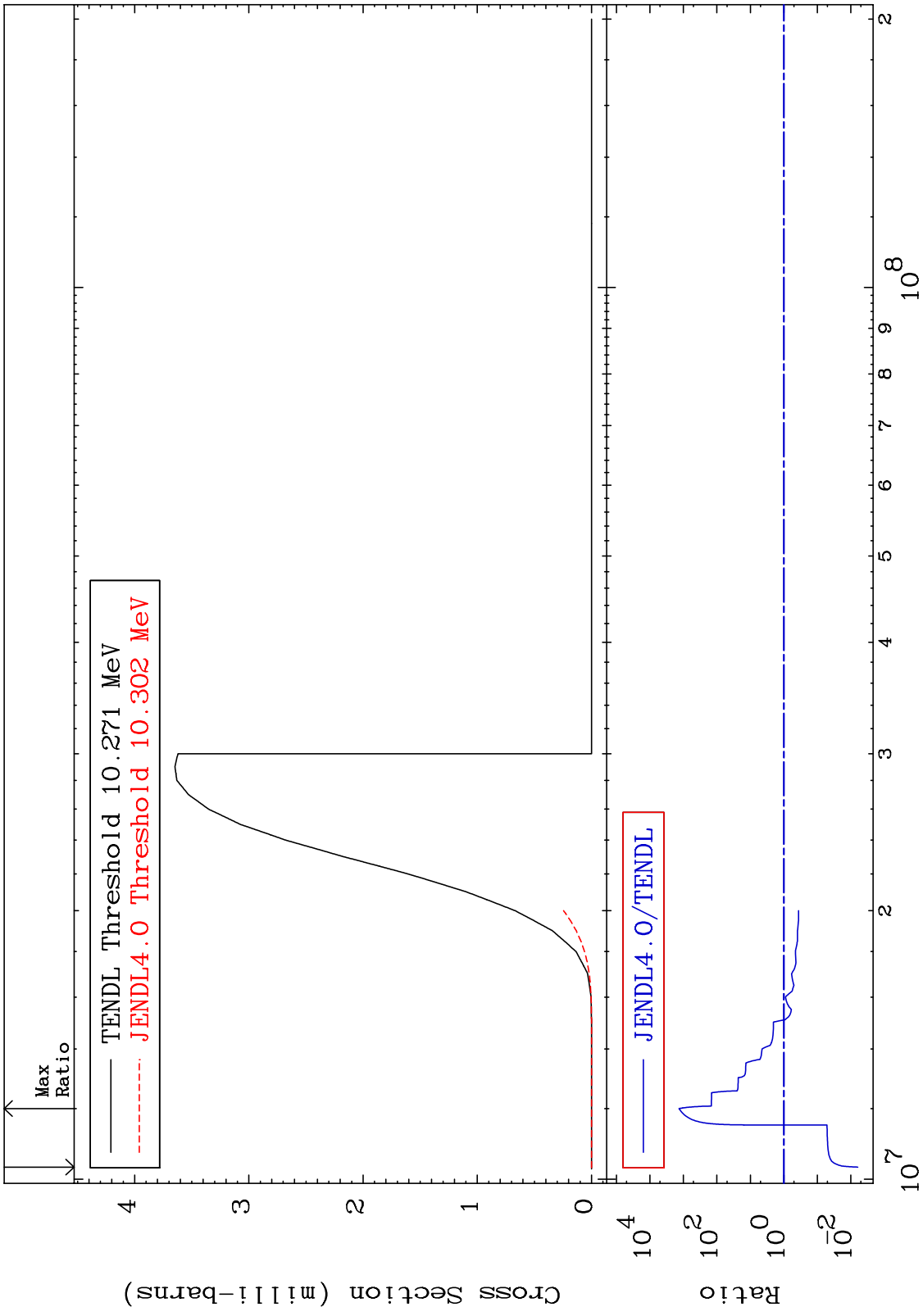
MAT 4649 (n,p) Cross Section 46-Pd-110 117.7 To 9999. %



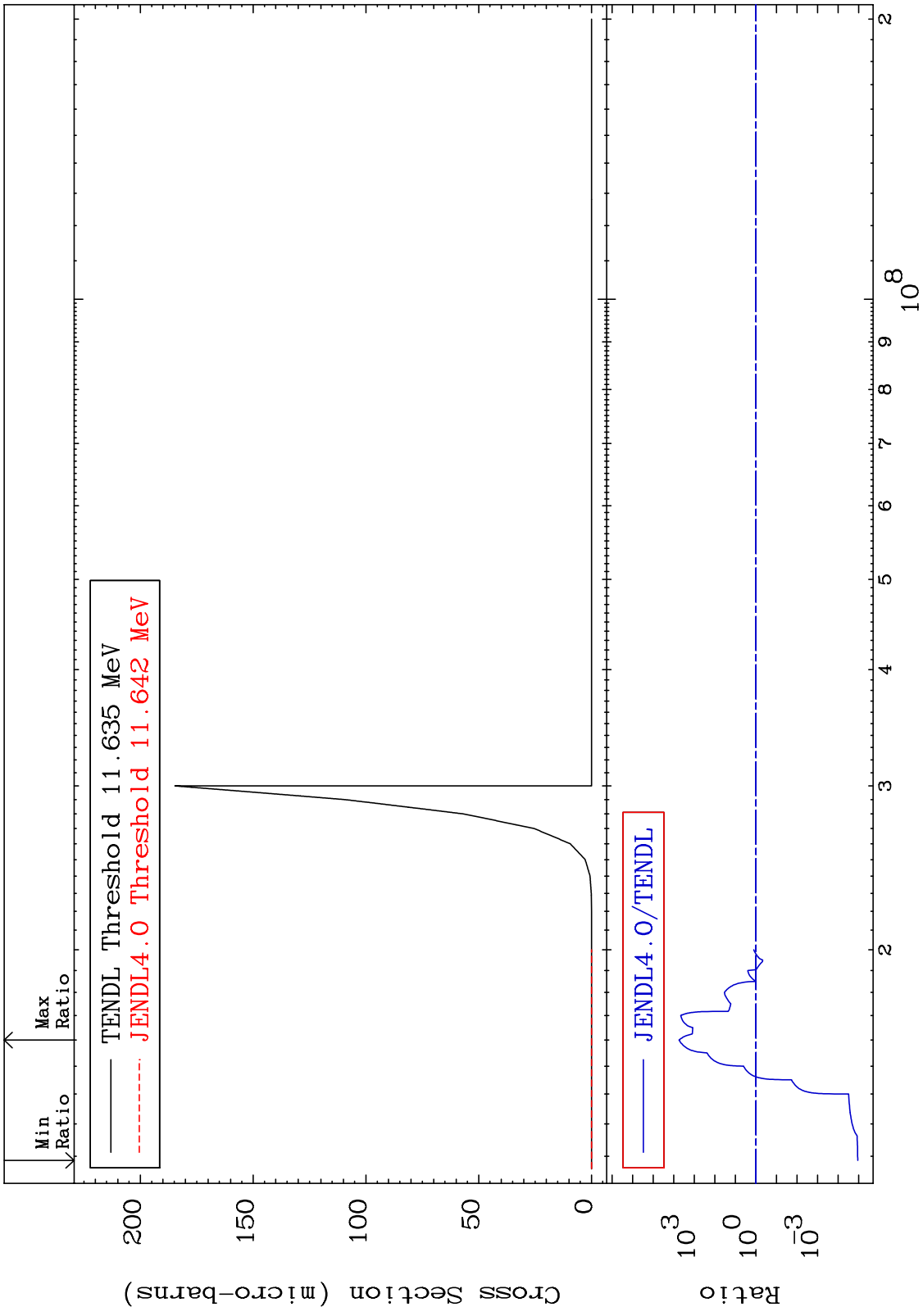
40 46-Pd-110



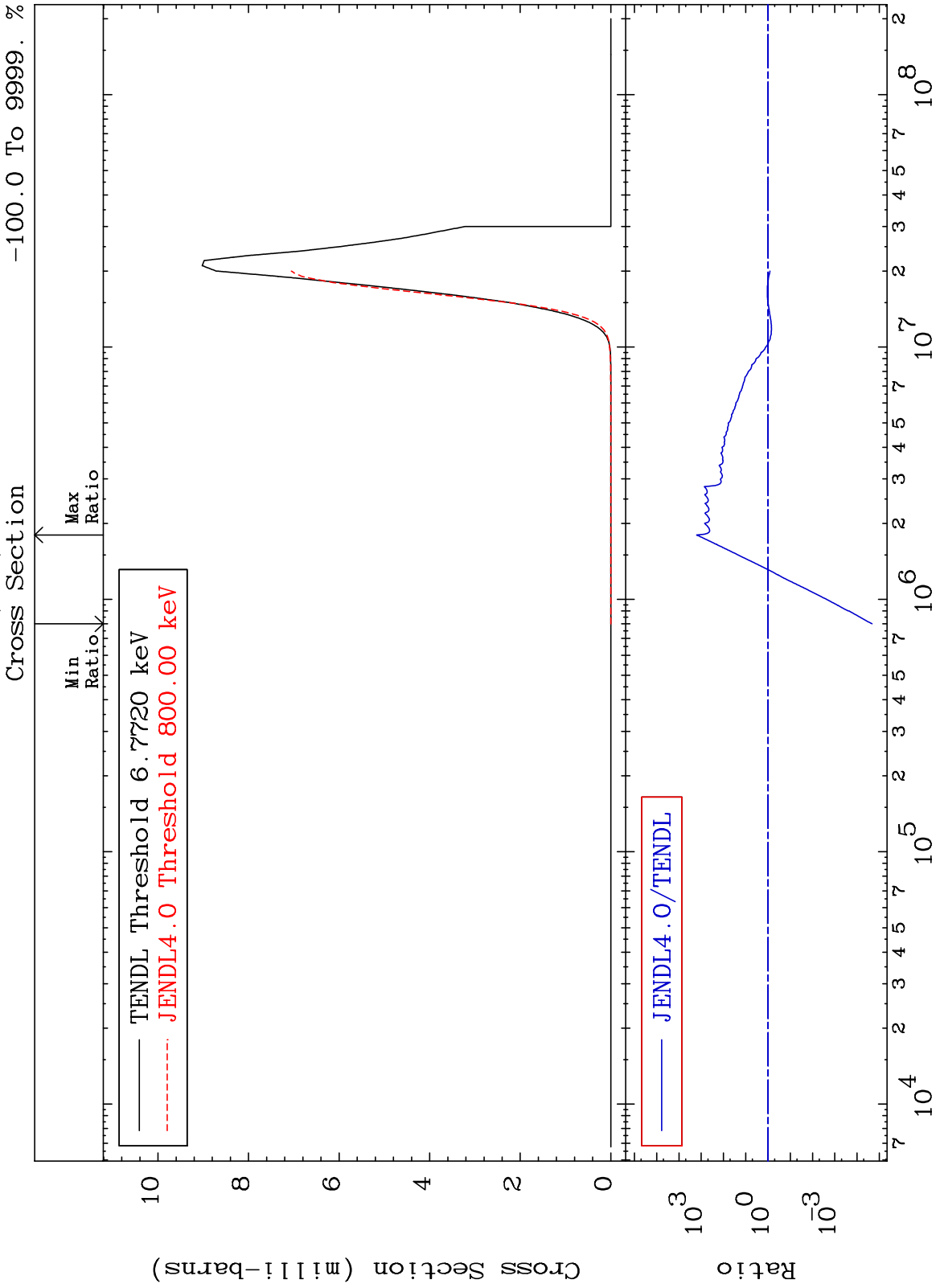
MAT 4649 (n,t) 46-Pd-110  
 Cross Section -99.38 To 9999. %



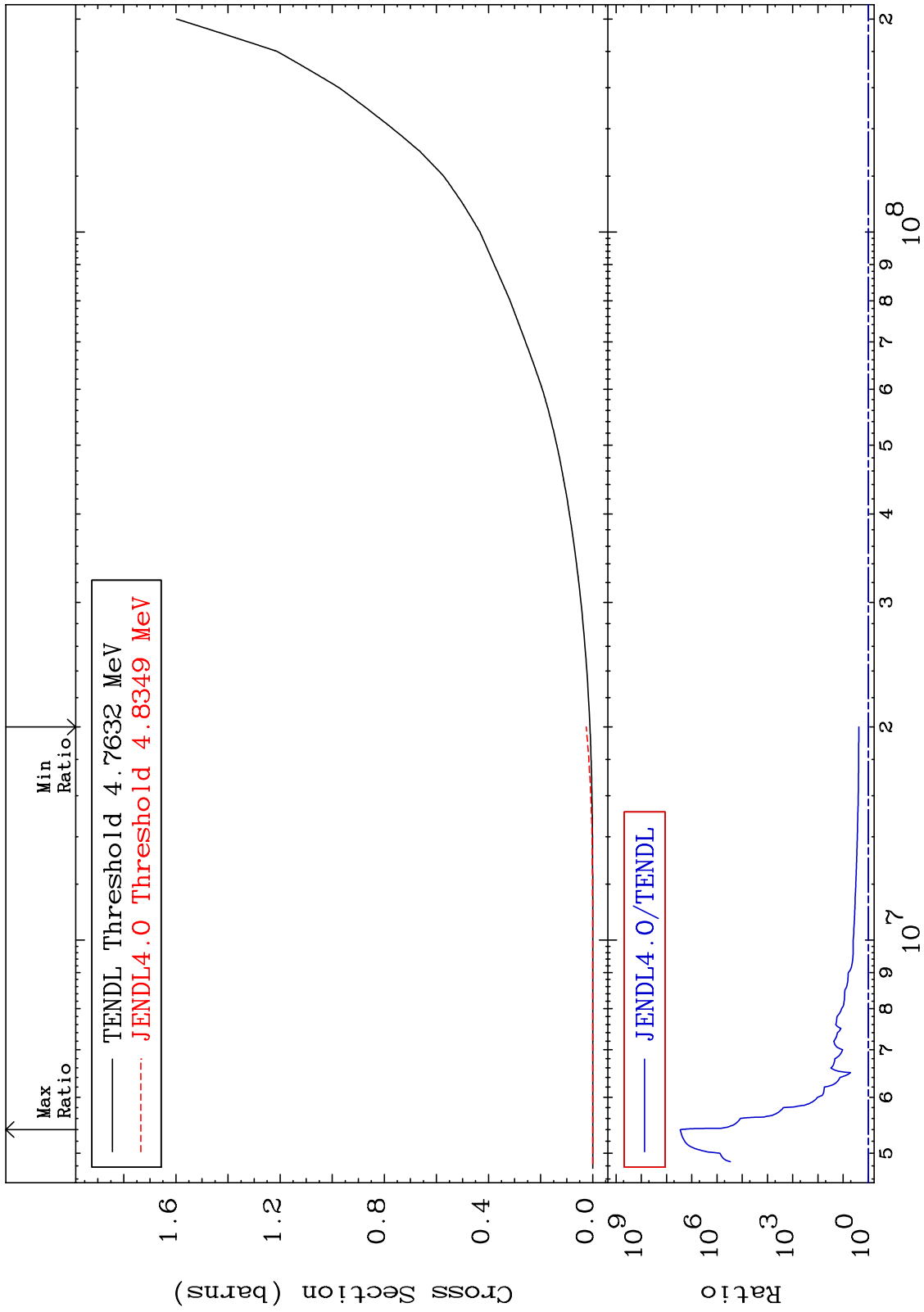
42 46-Pd-110



MAT 4649  $(n, \alpha)$  46-Pd-110 -100.0 To 9999. %

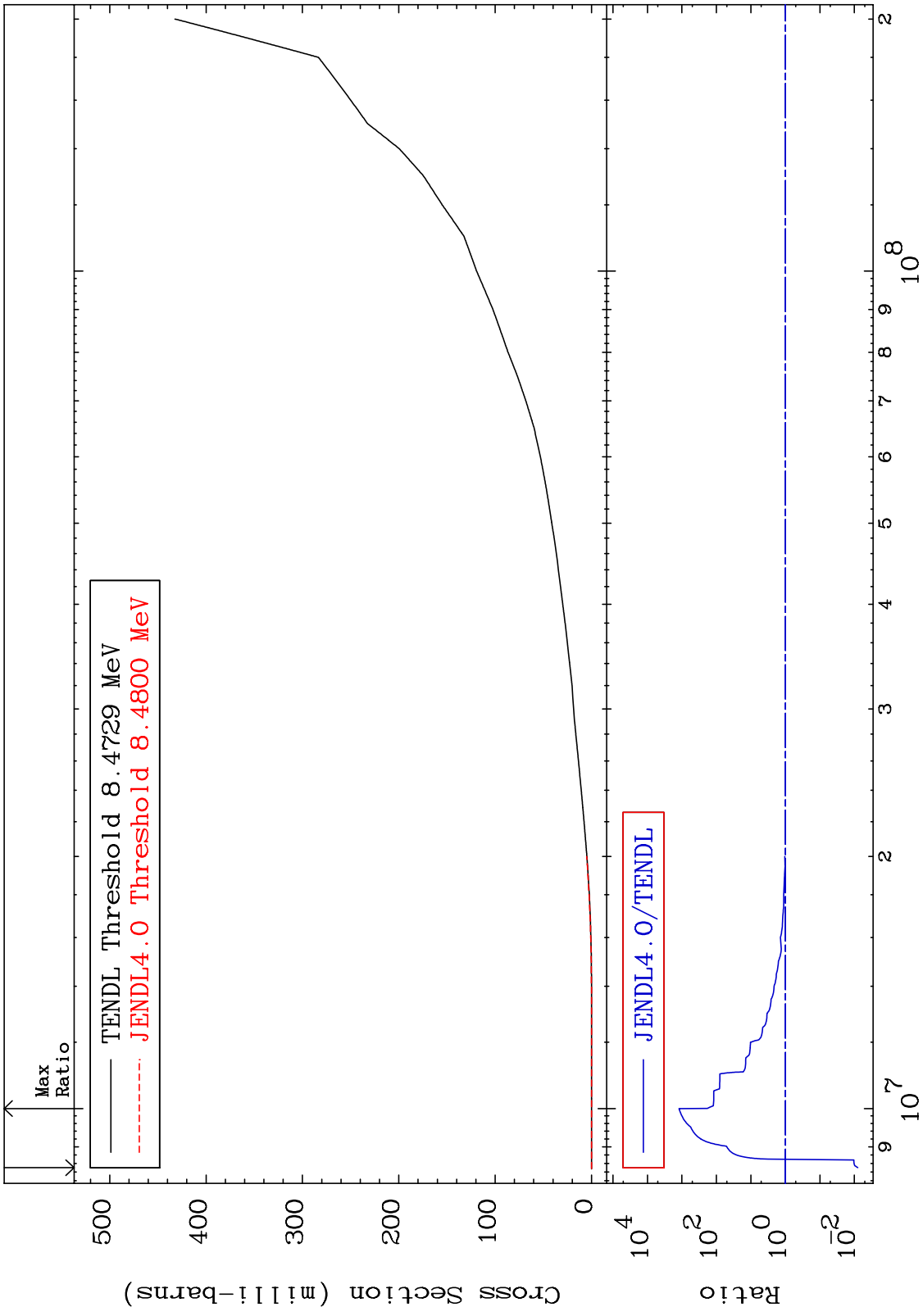


MAT 4649 Hydrogen Production Cross Section 46-Pd-110  
 139.1 To 9999. %



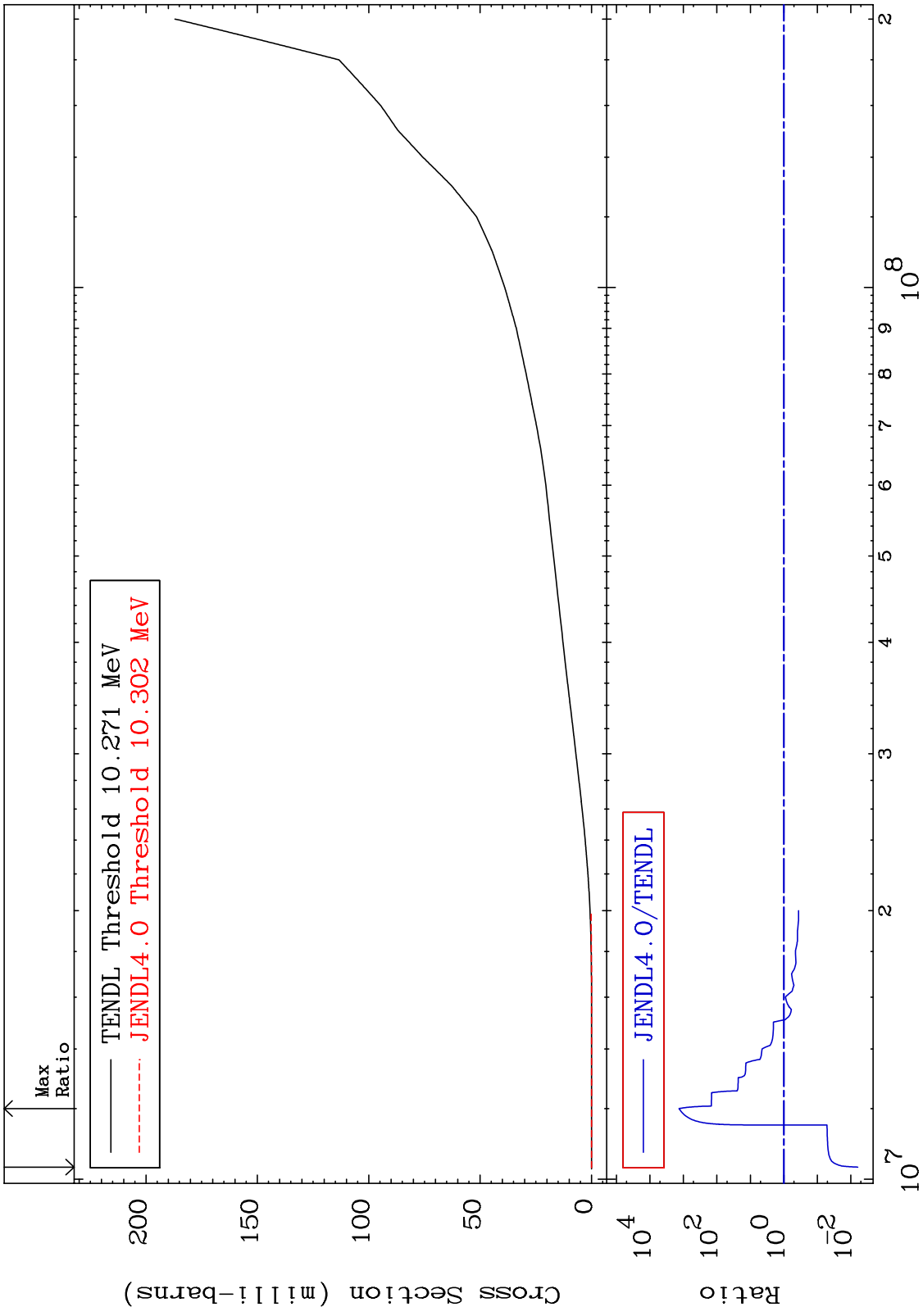
45 46-Pd-110

MAT 4649 Deuterium Production Cross Section 46-Pd-110 -99.21 To 9999. %



46 46-Pd-110 Incident Energy (eV)

MAT 4649 Tritium Production Cross Section 46-Pd-110 -99.38 To 9999. %



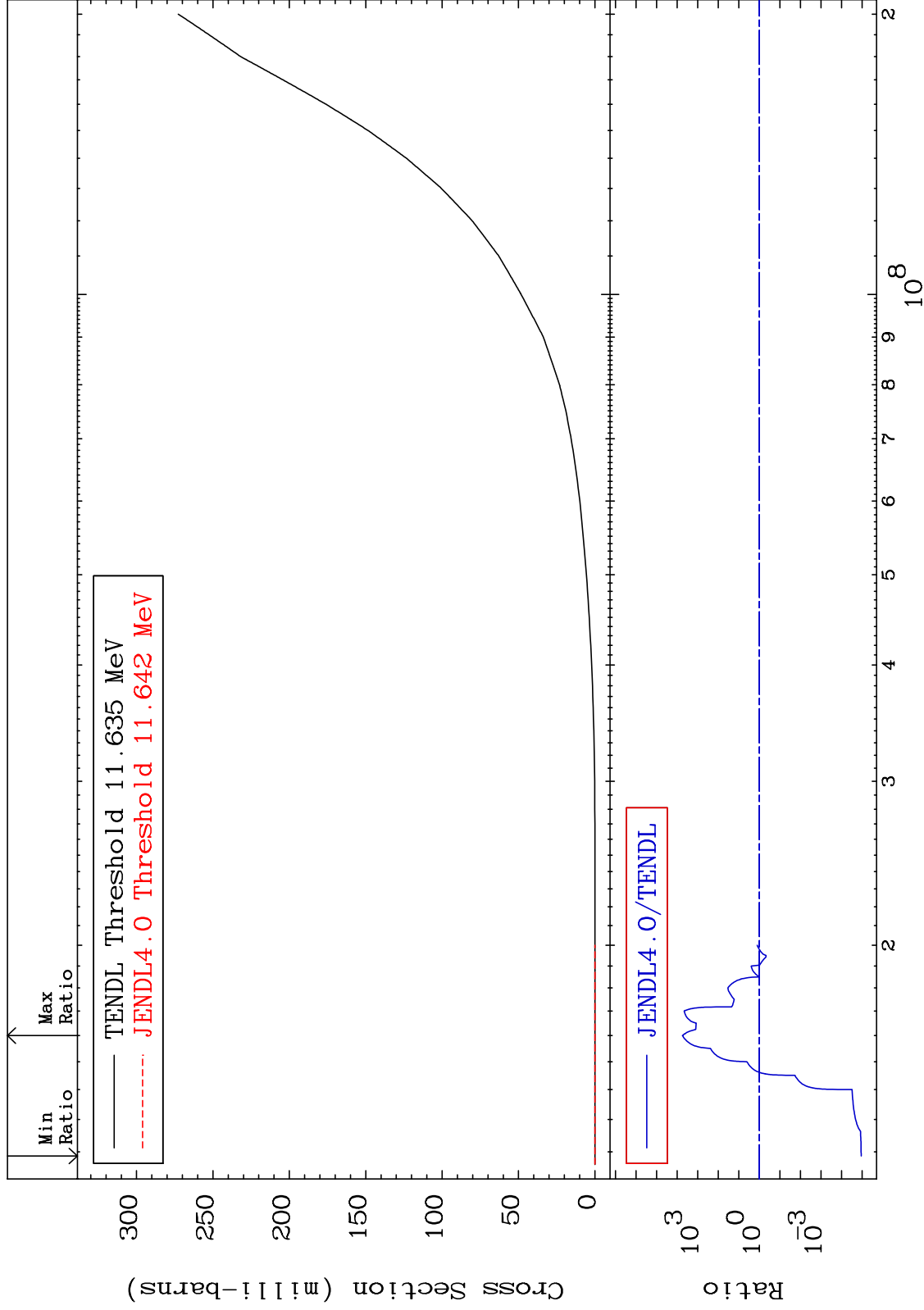
47 46-Pd-110



MAT 4649

He-3 Production  
Cross Section

46-Pd-110  
-100.0 To 9999. %



48

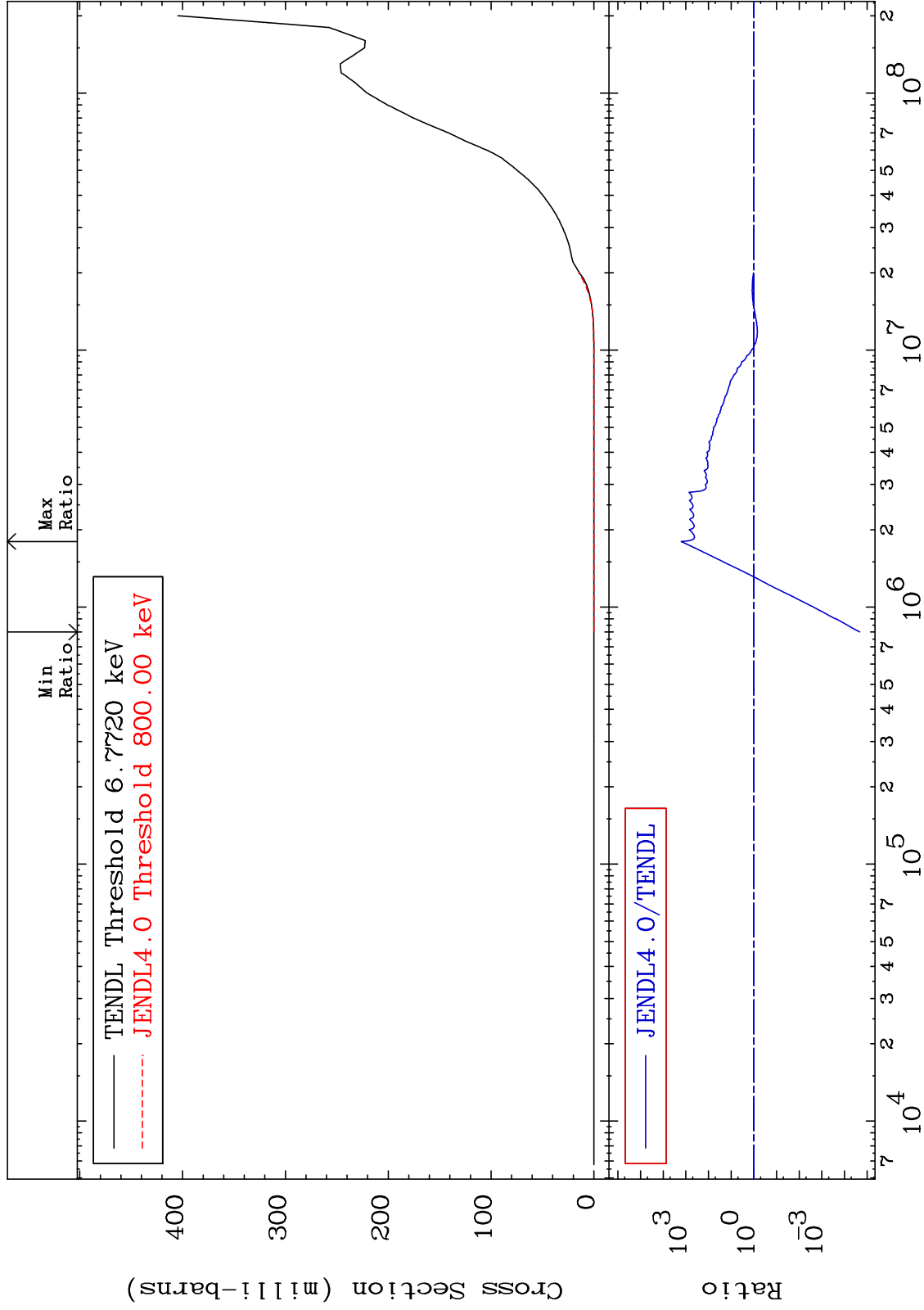
Incident Energy (eV)

46-Pd-110

MAT 4649

He-4 Production  
Cross Section

46-Pd-110  
-100.0 To 9999. %

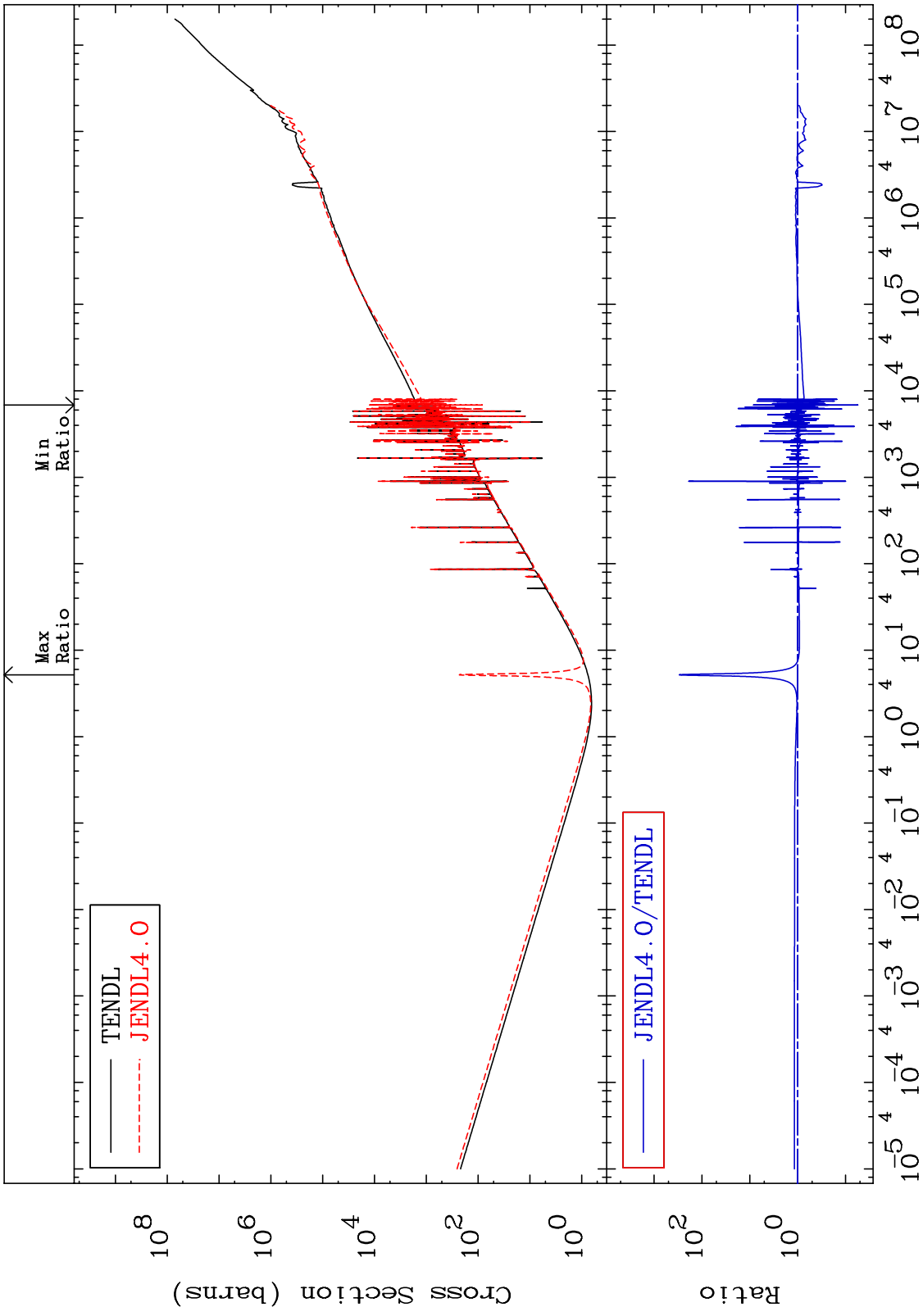


49

Incident Energy (eV)

46-Pd-110

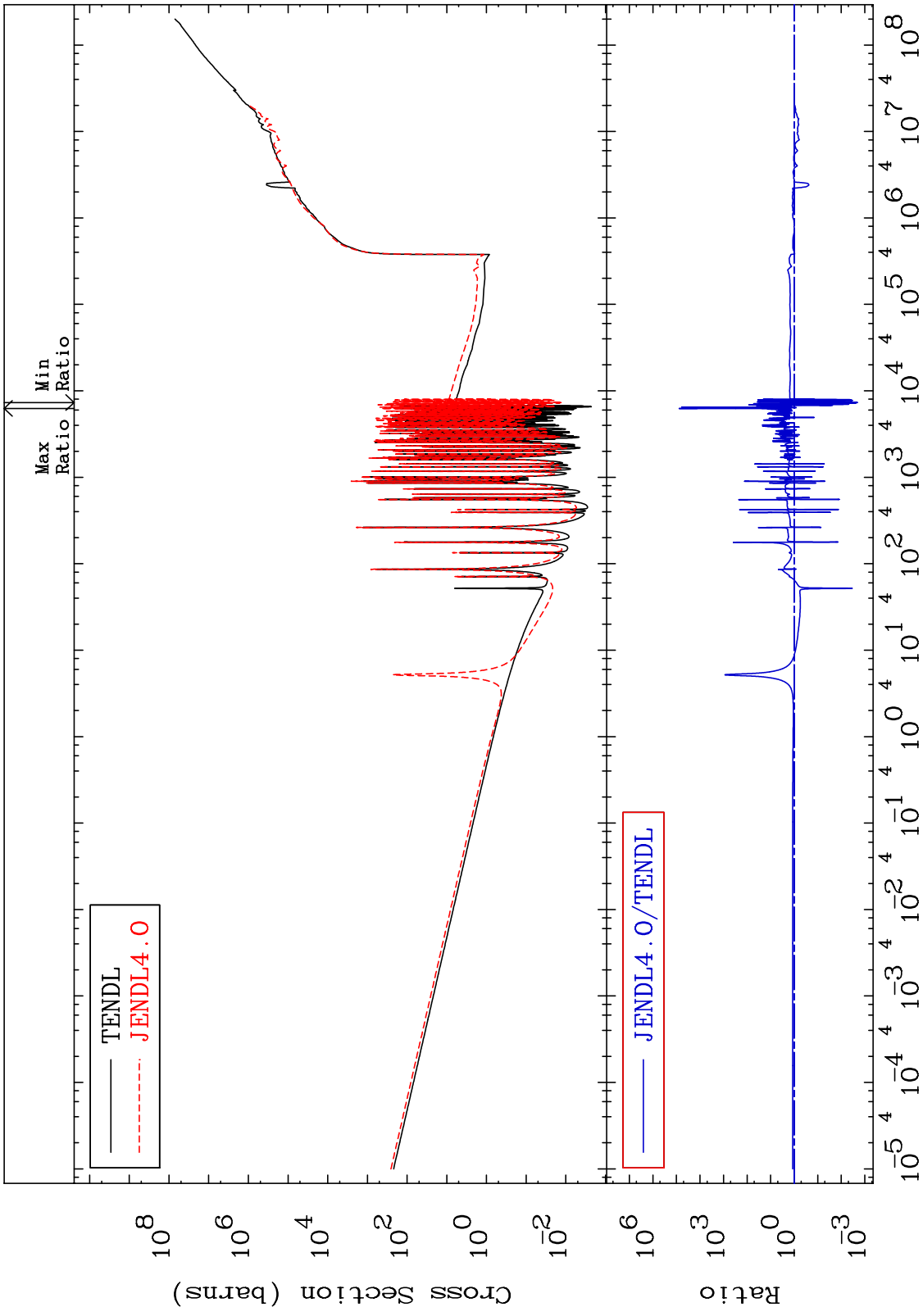
MAT 4649      Kerma total (eV-barns)  
Cross Section      46-Pd-110  
-94.46 To 9999. %



50      Incident Energy (eV)      46-Pd-110



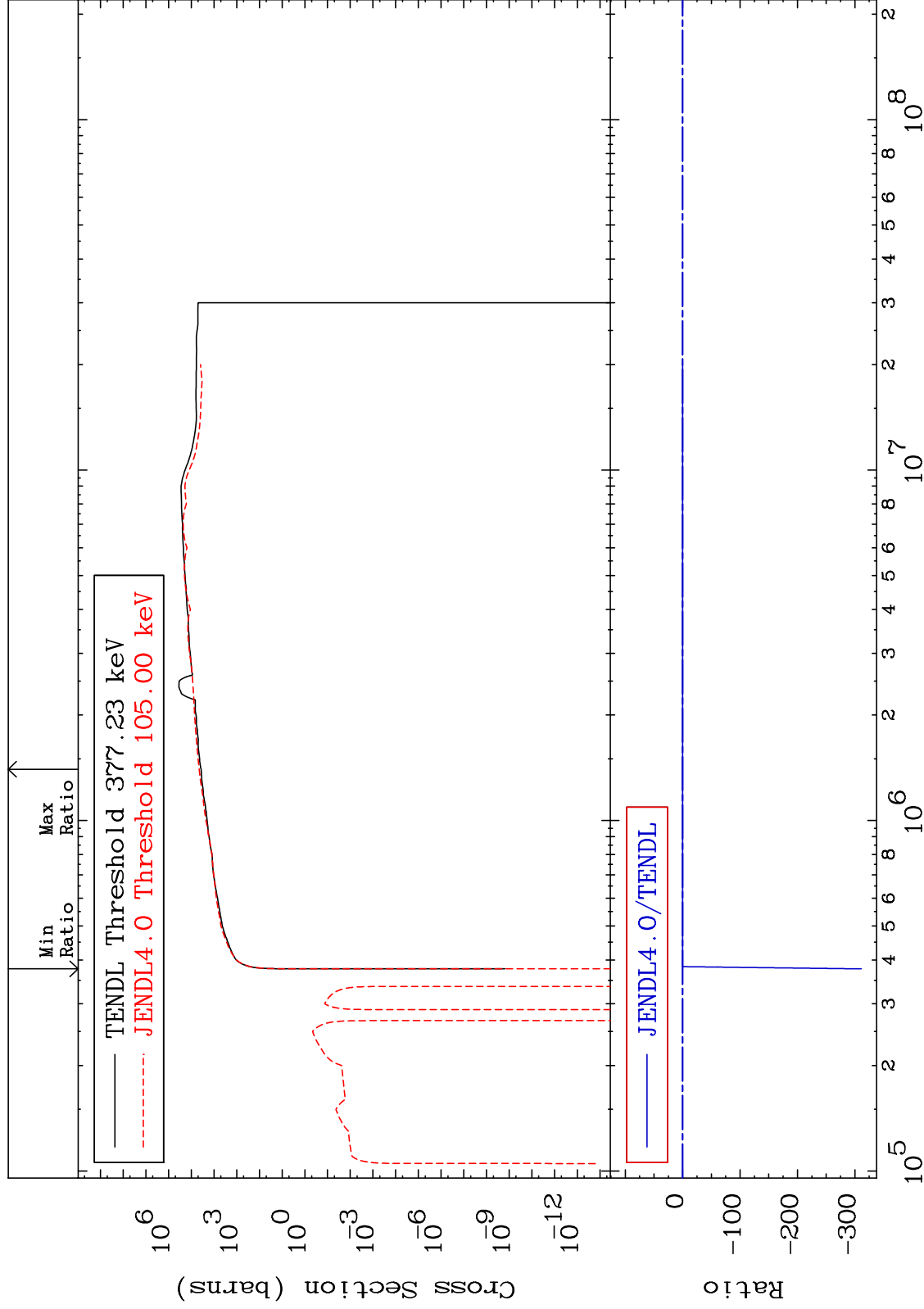
MAT 4649      Kerma non-elastic (all but mt2)      46-Pd-110  
 Cross Section      -99.80 To 9999. %



MAT 4649

Kerma inelastic (mt51-91)  
Cross Section

46-Pd-110  
-9999. To 21.34 %

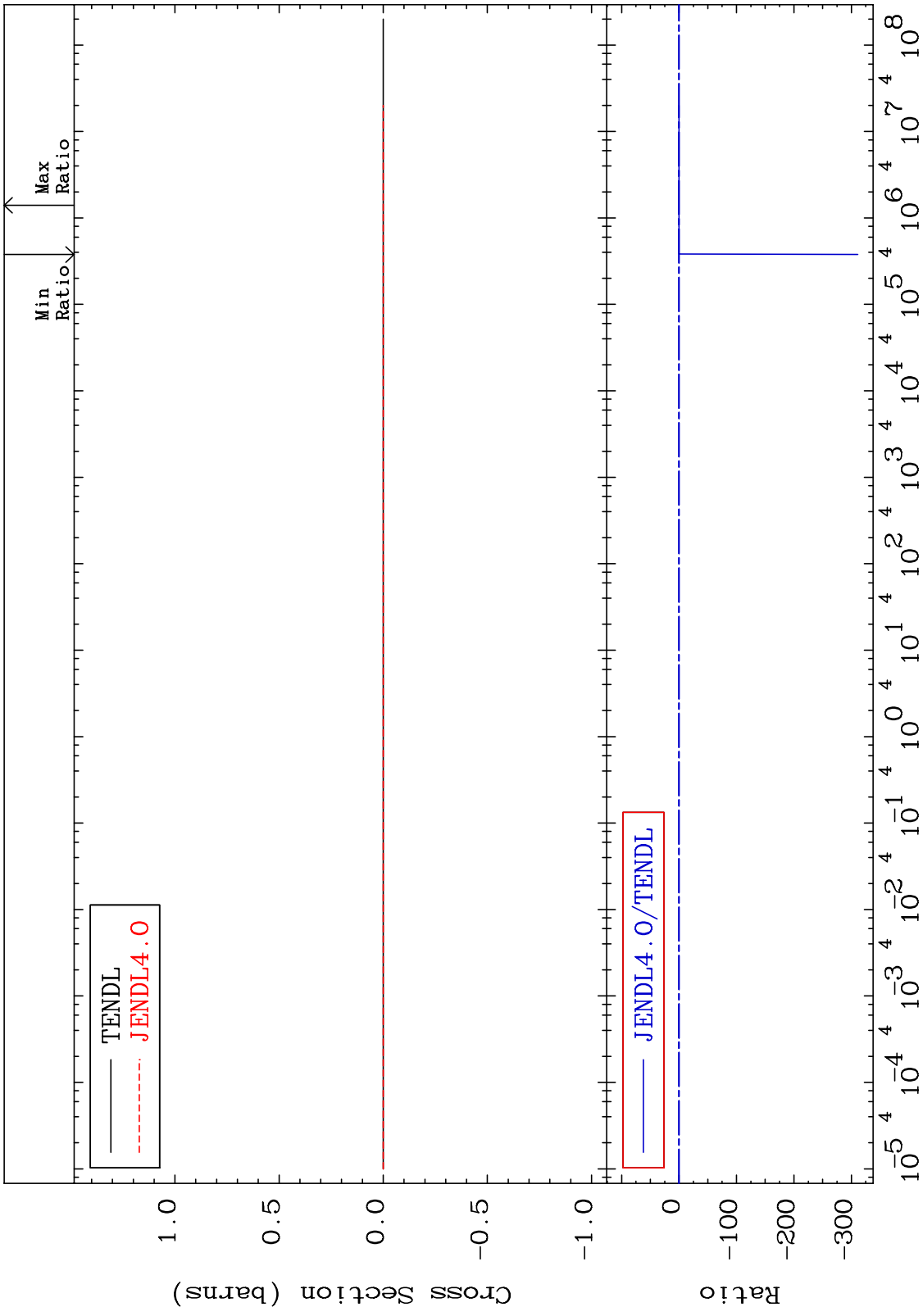


53

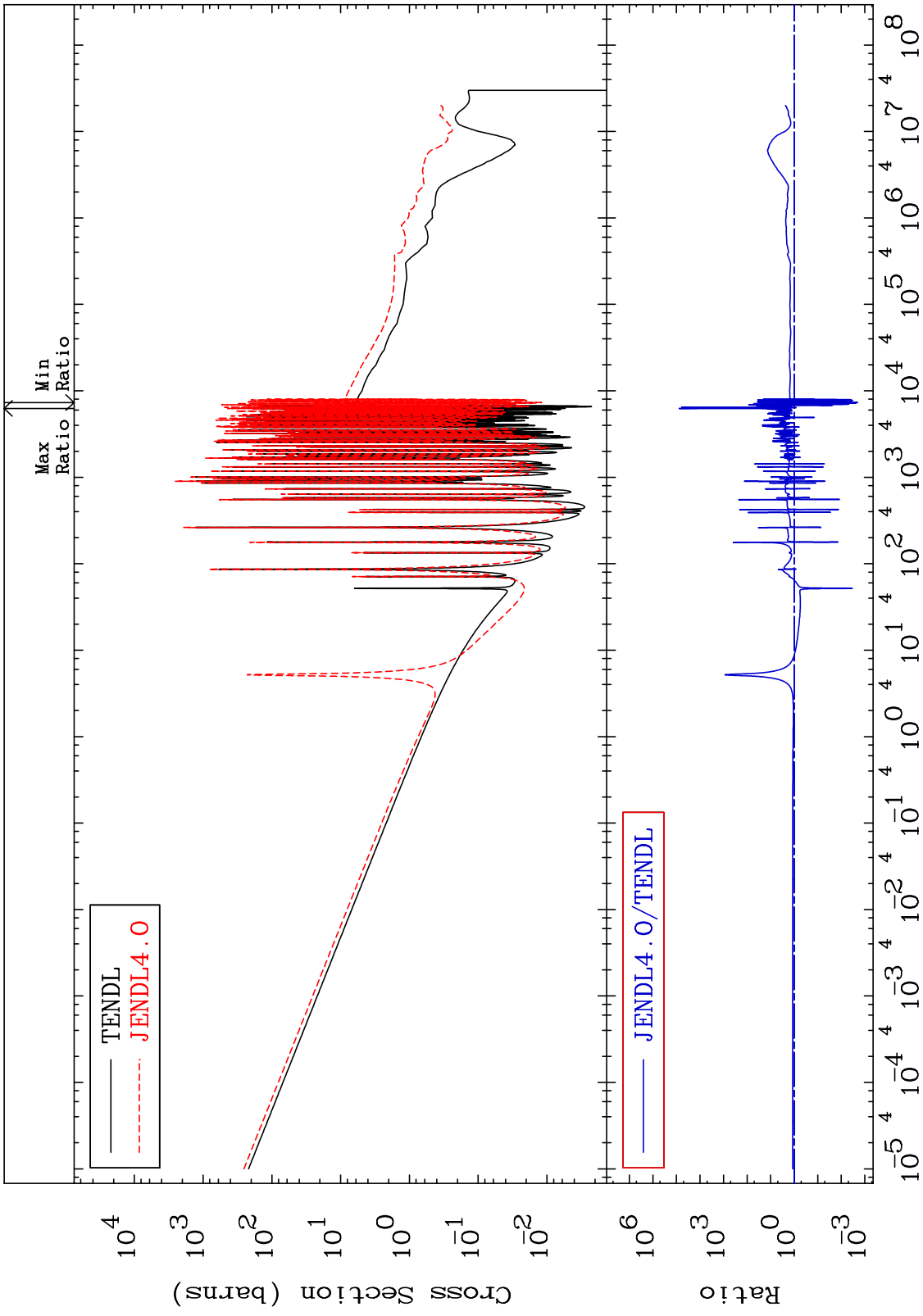
Incident Energy (eV)

46-Pd-110

MAT 4649 Kerma fission (mt18 or mt19-20-21-38) 46-Pd-110  
 Cross Section -9999. To 21.34 %

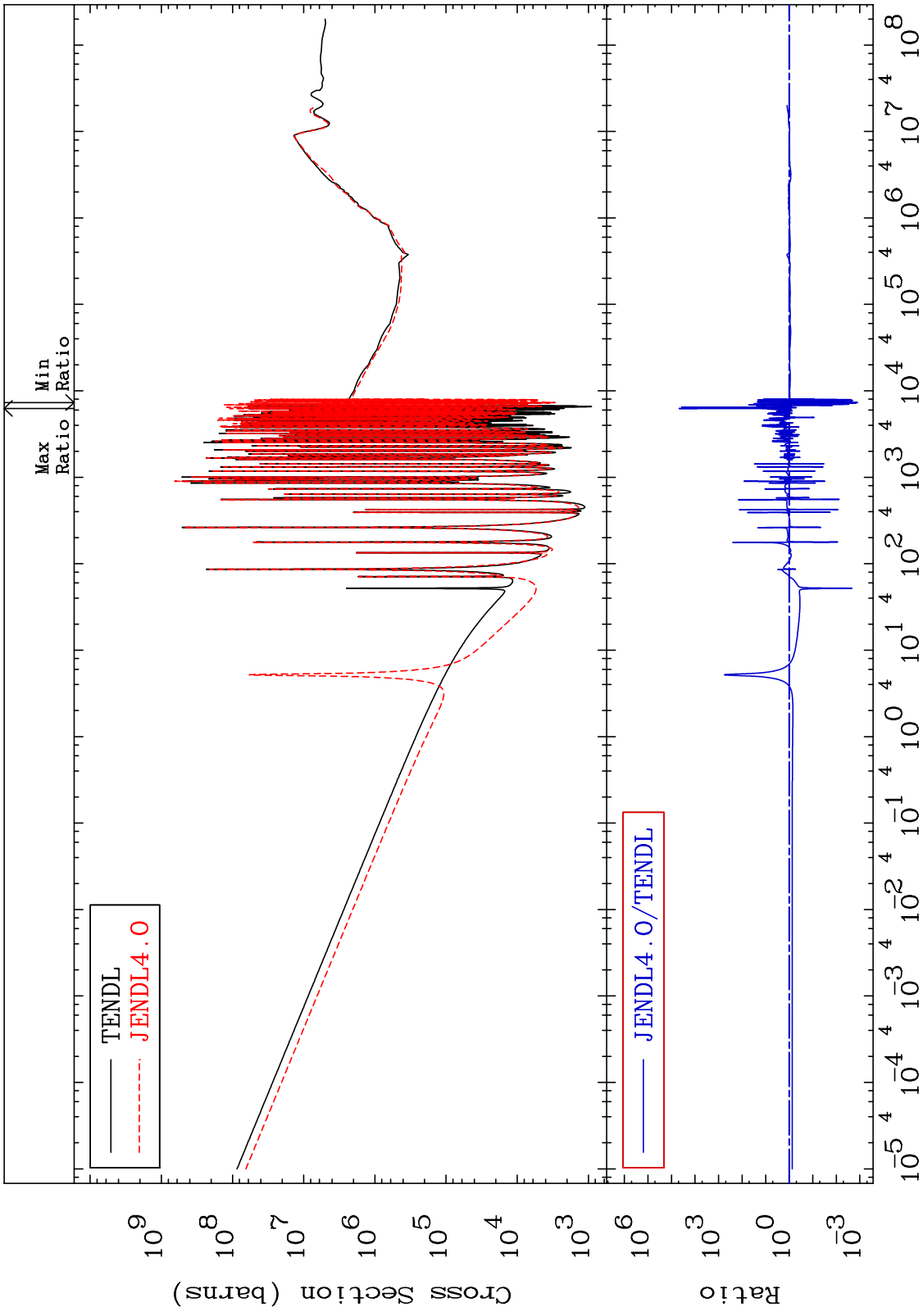


MAT 4649      Kerma capture (mt102)      46-Pd-110  
 Cross Section      -99.80 To 9999. %



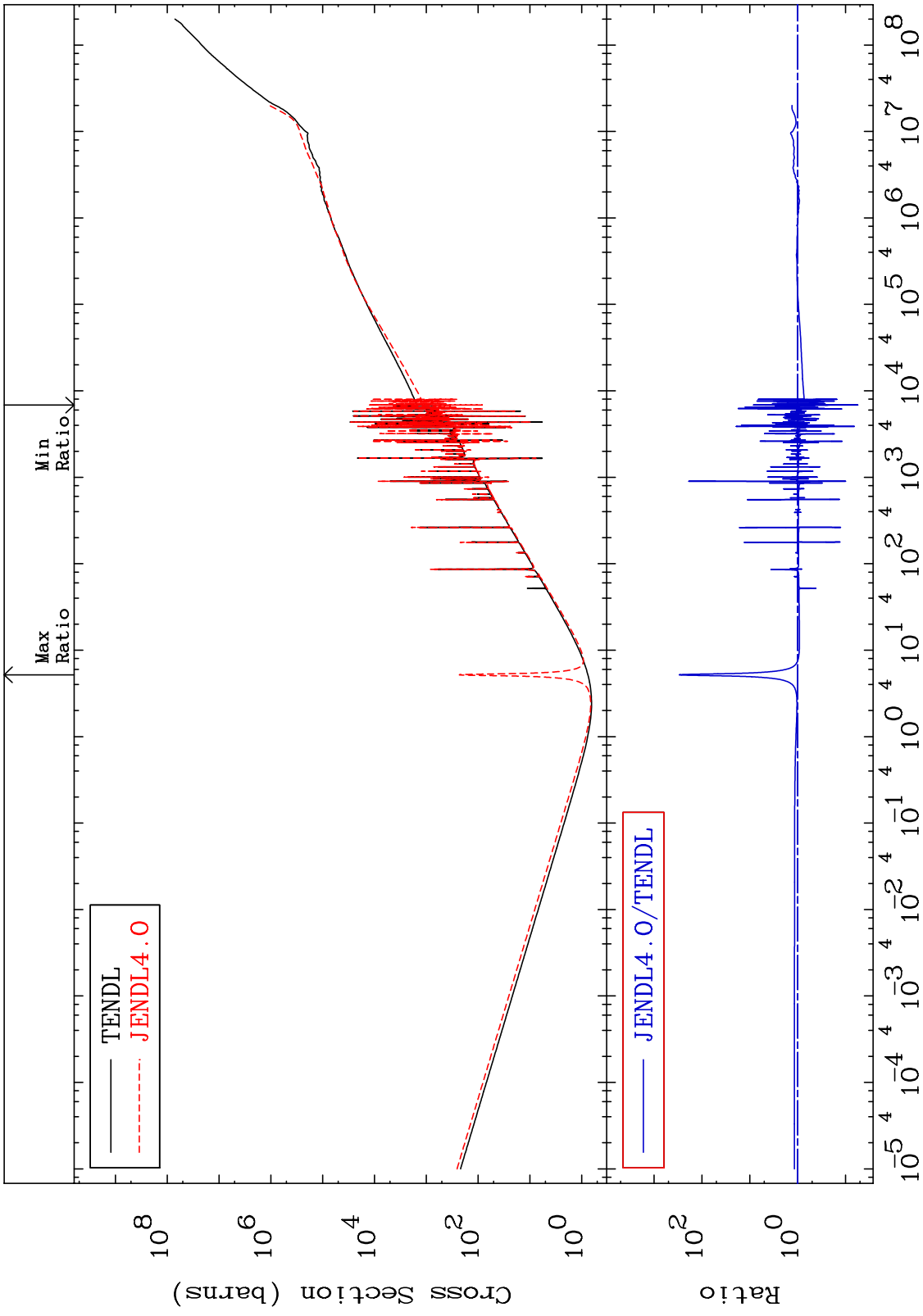


MAT 4649      Total photon (eV-barns)  
Cross Section      46-Pd-110  
-99.88 To 9999. %



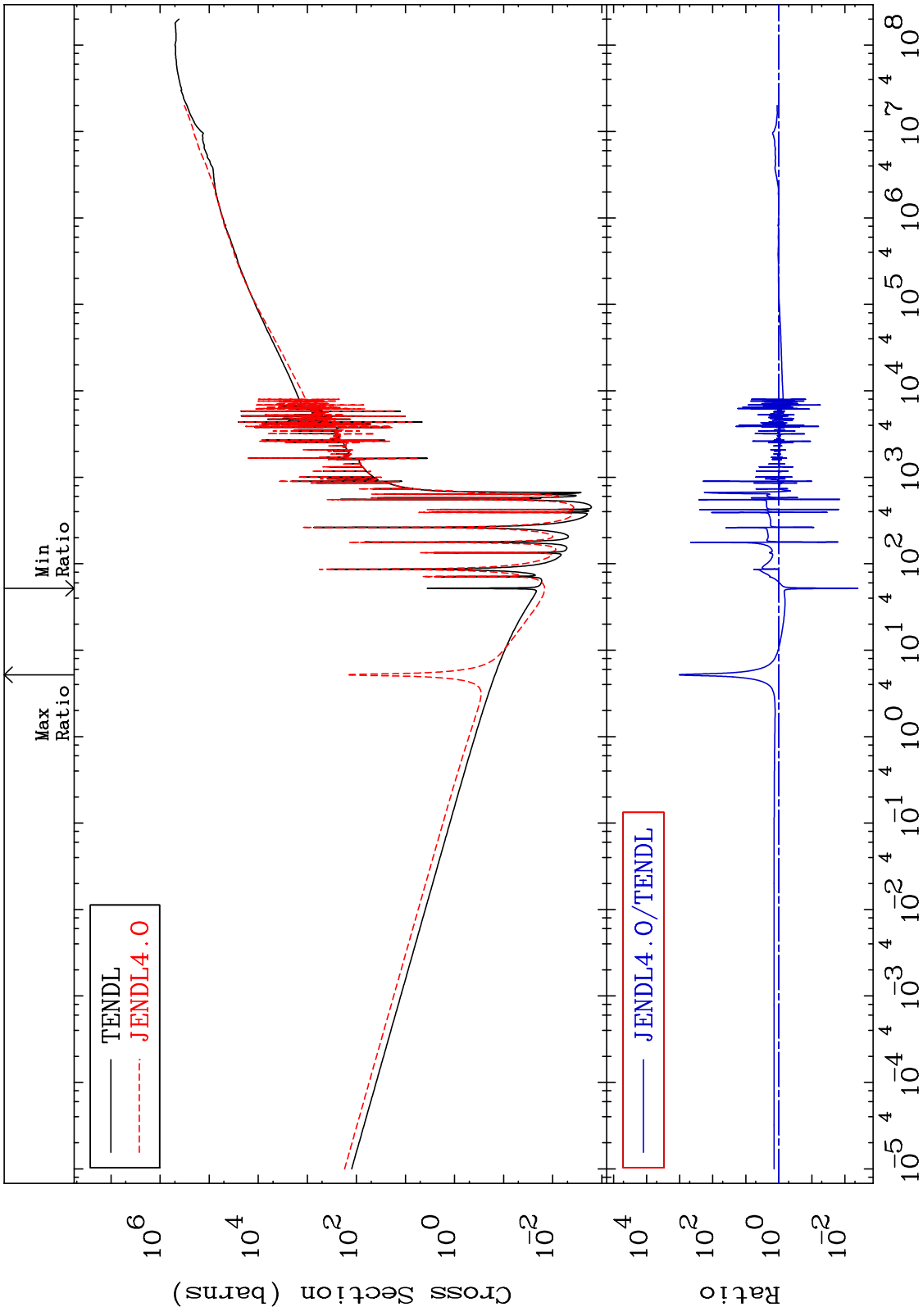
56      Incident Energy (eV)      46-Pd-110

MAT 4649      Total kinematic kerma (high limit)      46-Pd-110  
Cross Section      -94.46 To 9999. %



57      Incident Energy (eV)      46-Pd-110

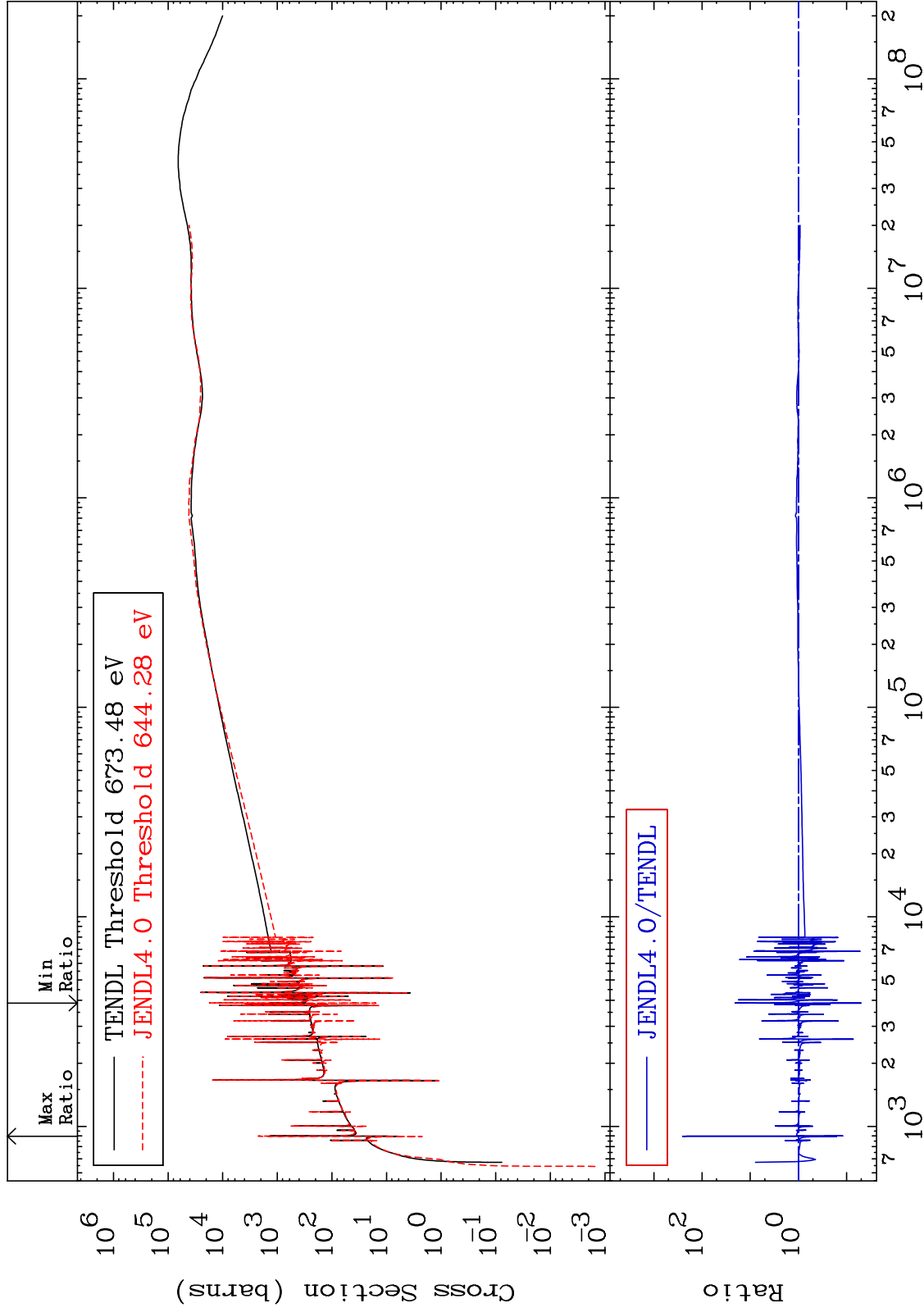
MAT 4649      Dpa total (eV-barns)      46-Pd-110  
 Cross Section      -99.59 To 9999. %



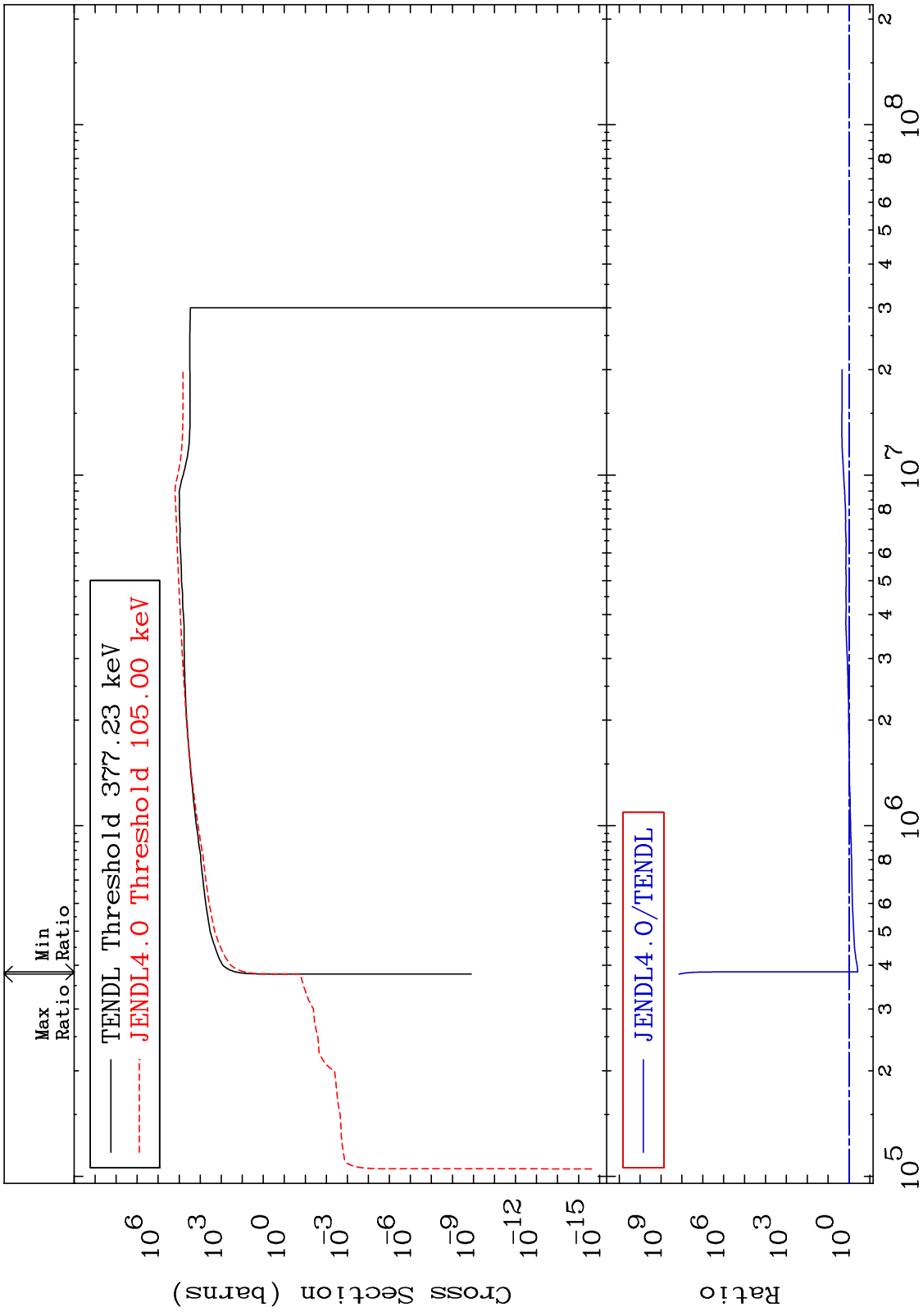
MAT 4649

Dpa elastic (mt2)  
Cross Section

46-Pd-110  
-95.04 To 9999. %

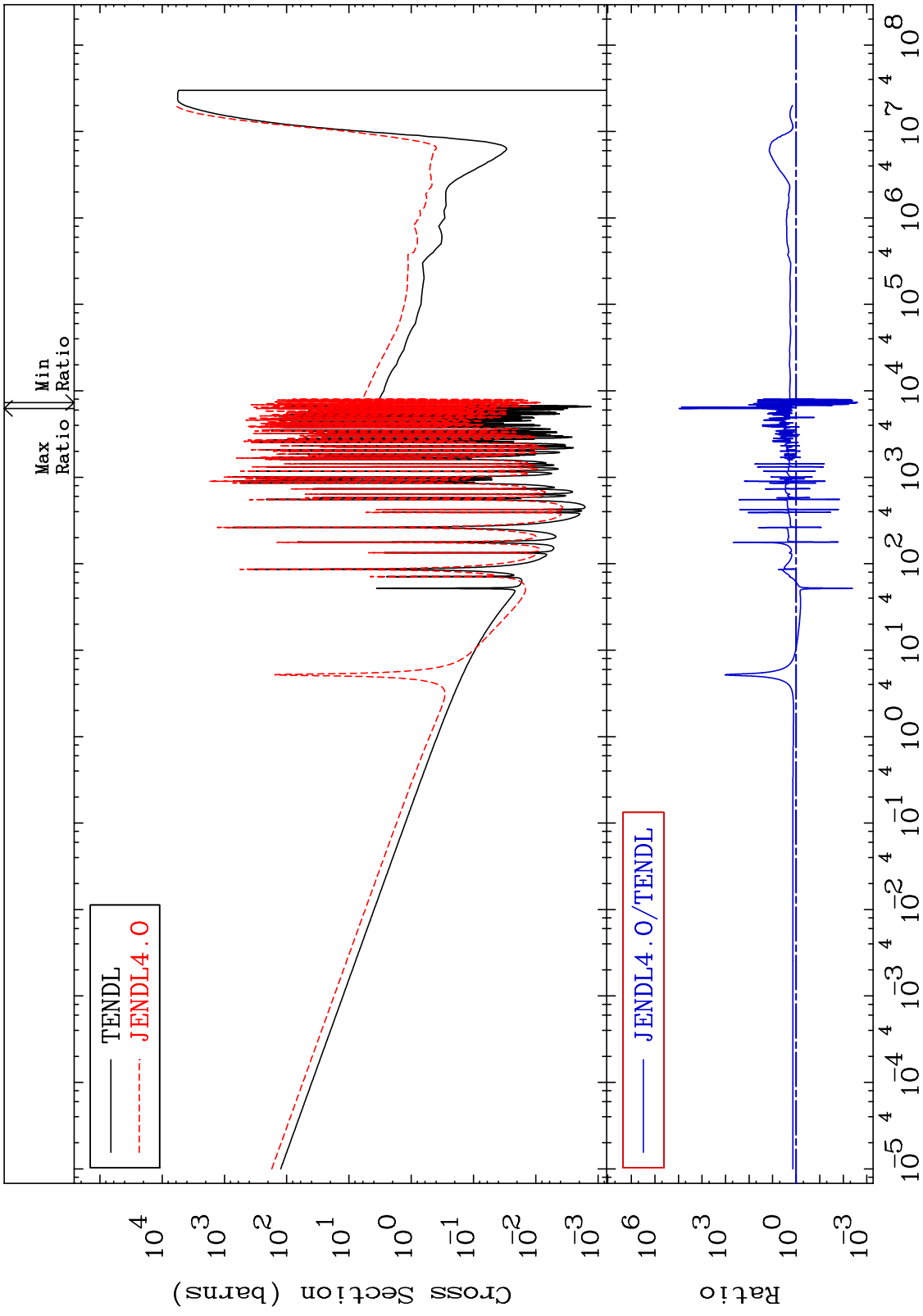


MAT 4649      Dpa inelastic (mt51-91)      46-Pd-110  
 Cross Section      -62.22 To 9999. %



60      Incident Energy (eV)      46-Pd-110

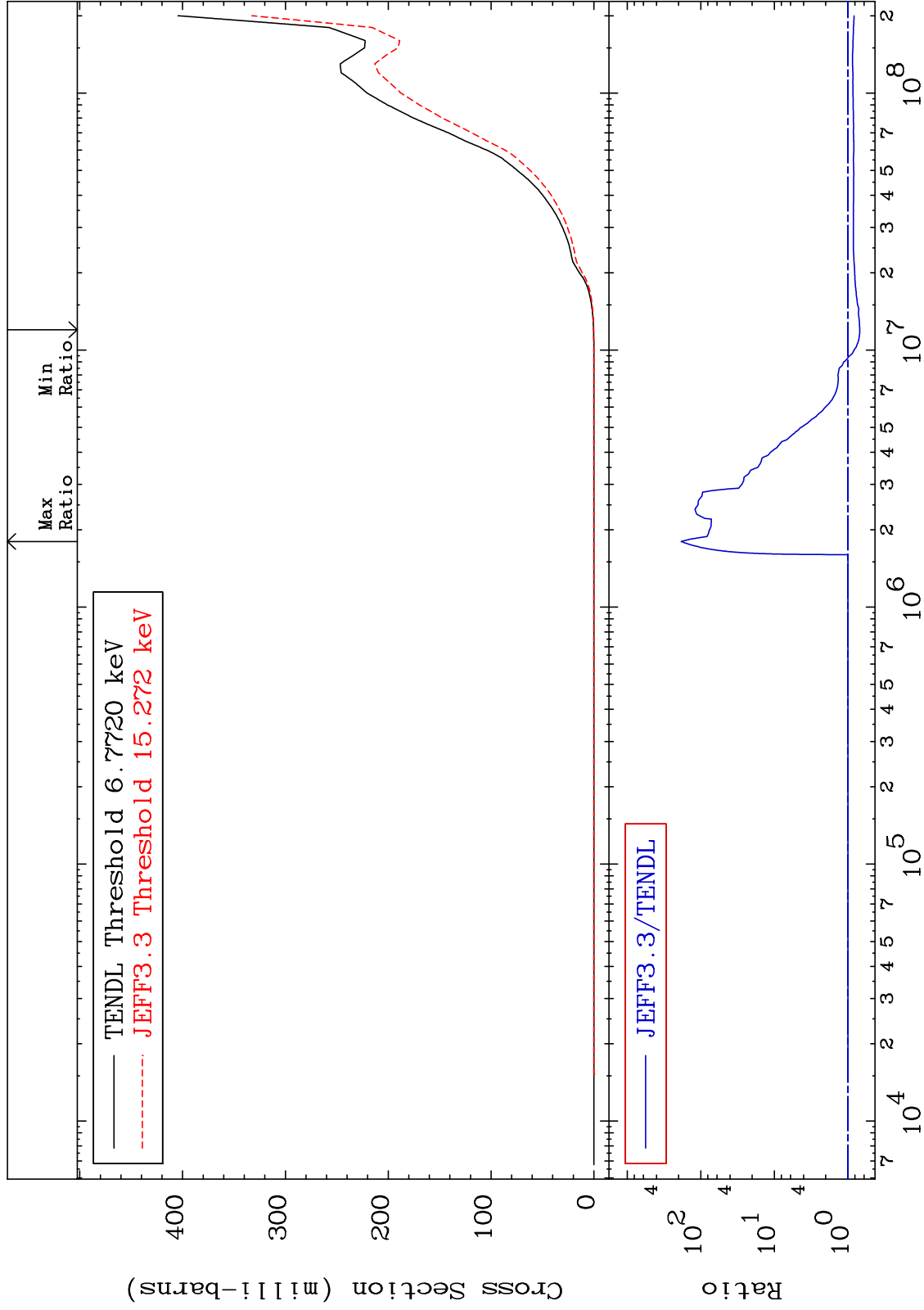
MAT 4649      Dpa disappearance (mt102 -120)      46-Pd-110  
 Cross Section      -99.76 To 9999. %



MAT 4649

He-4 Production  
Cross Section

46-Pd-110  
-31.18 To 9999. %

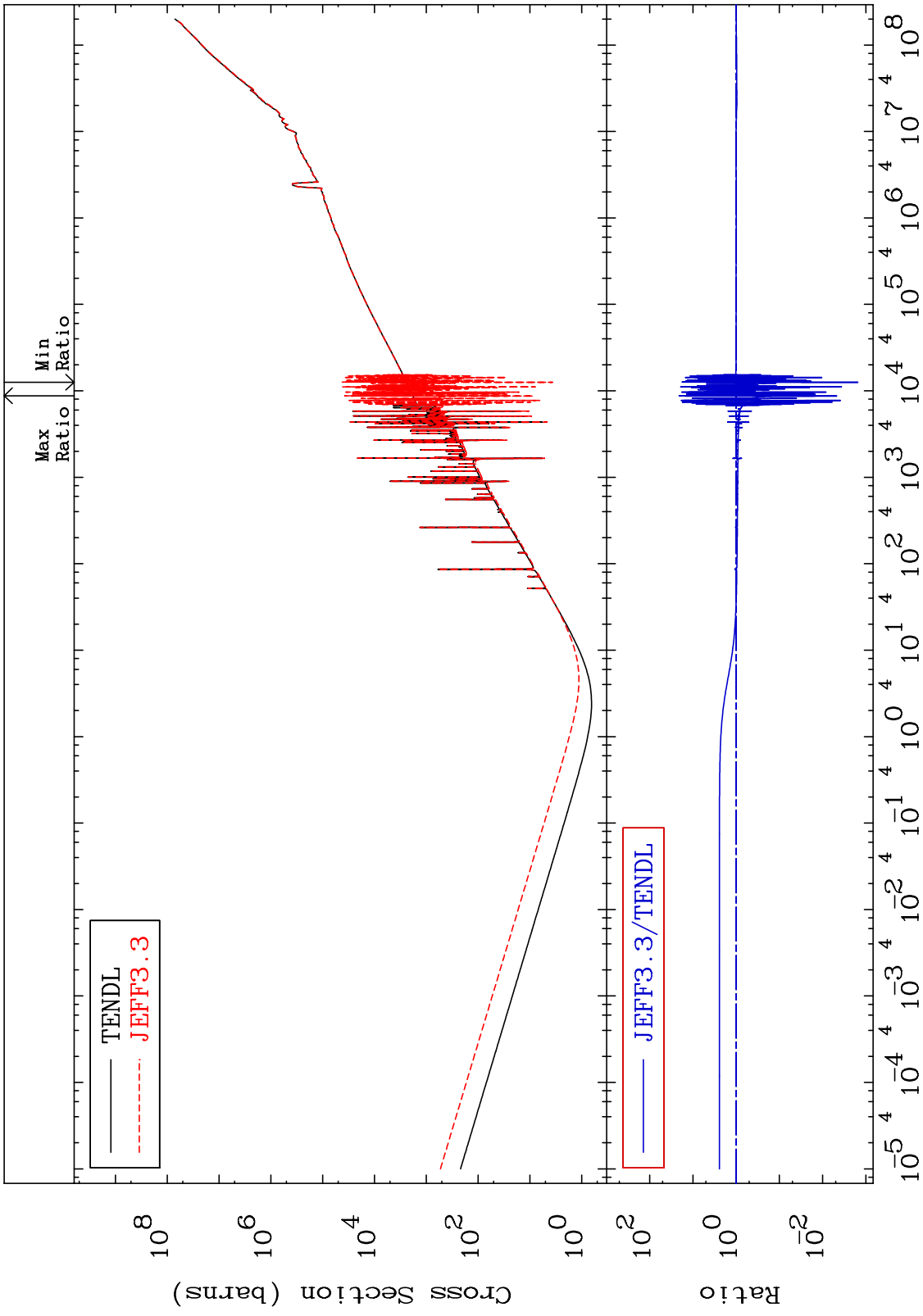


62

Incident Energy (eV)

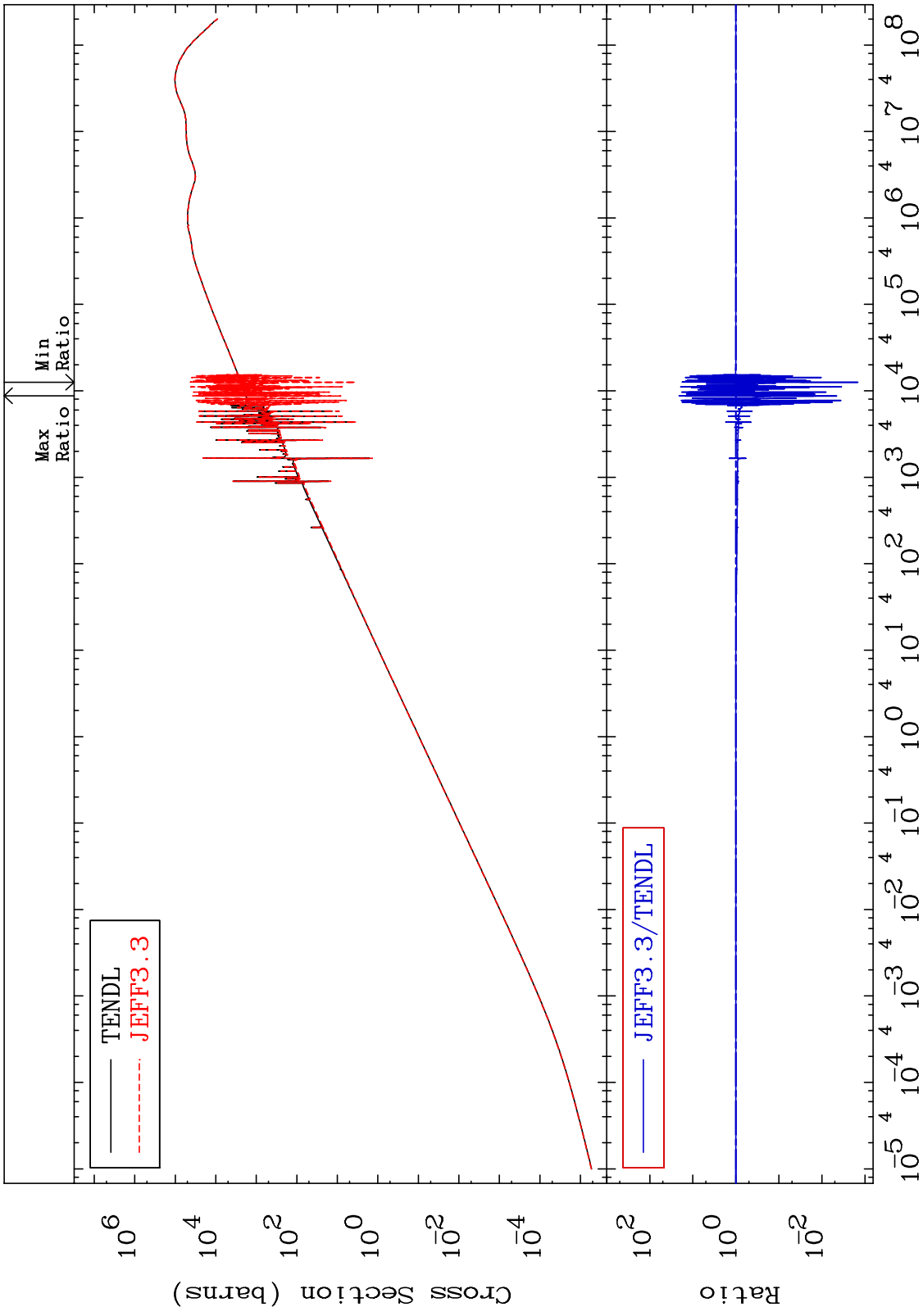
46-Pd-110

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

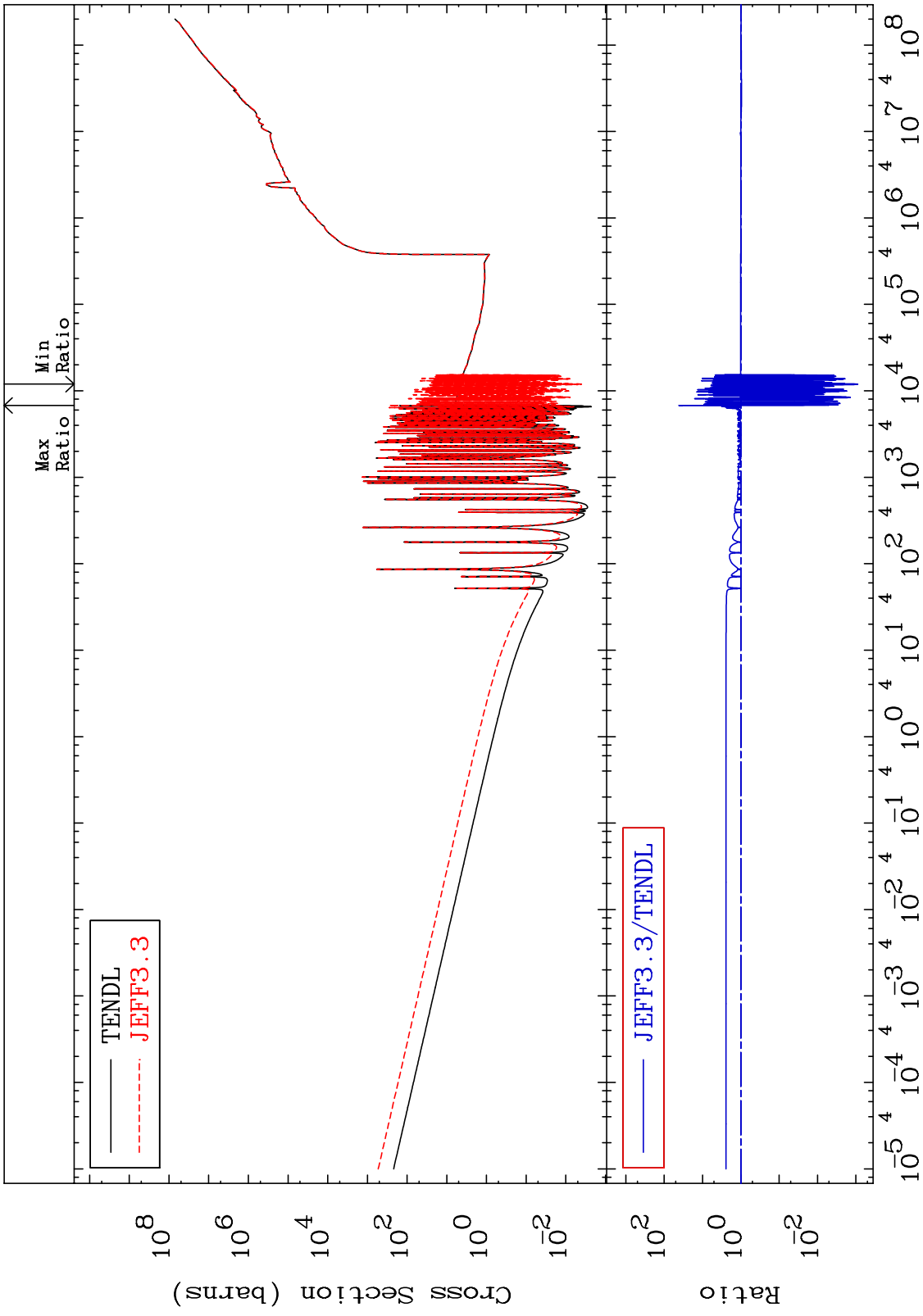


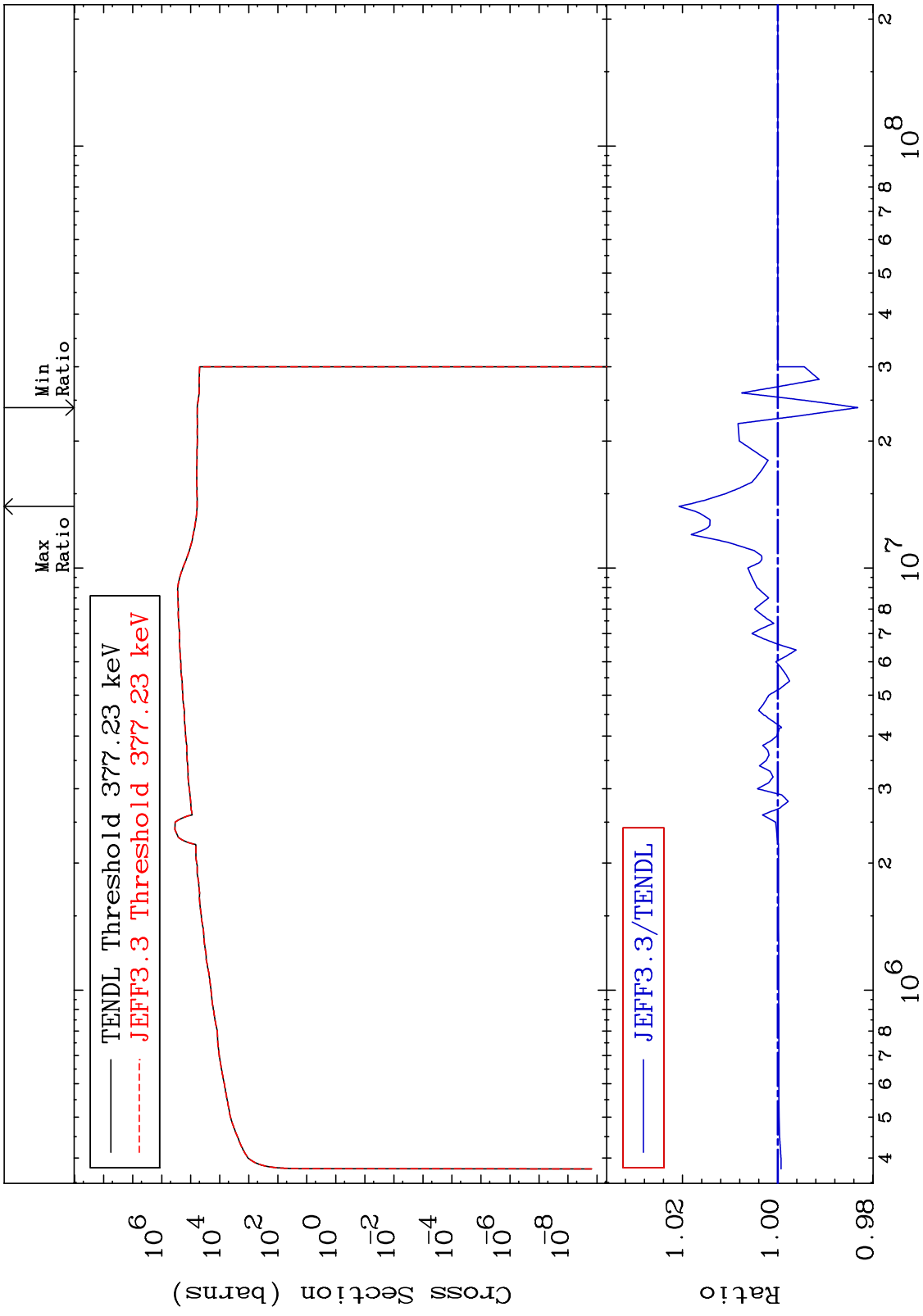


MAT 4649      Kerma elastic Cross Section      46-Pd-110  
 -99.85 To 1993. %



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

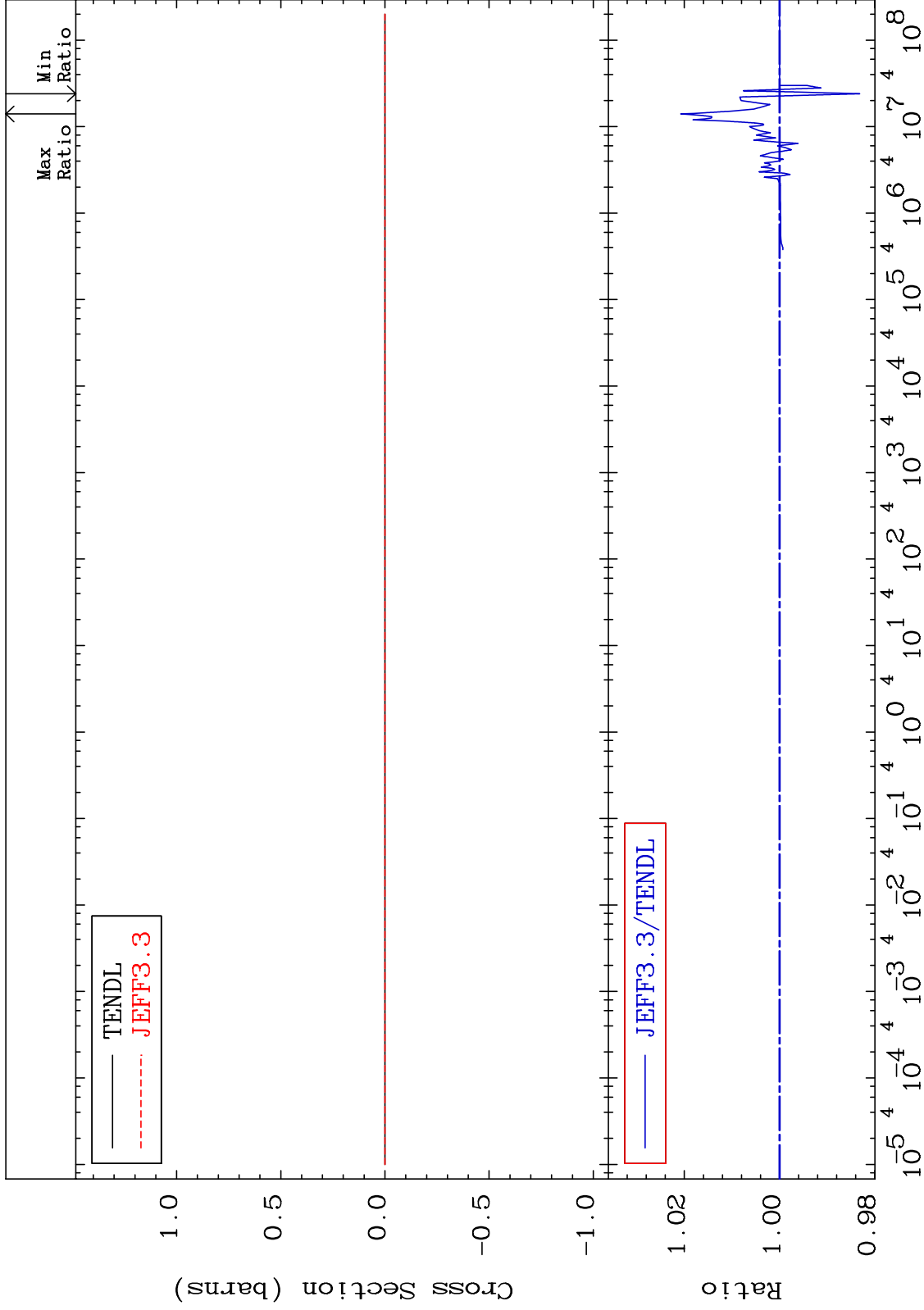




MAT 4649

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

46-Pd-110  
-1.684 To 2.074 %



67

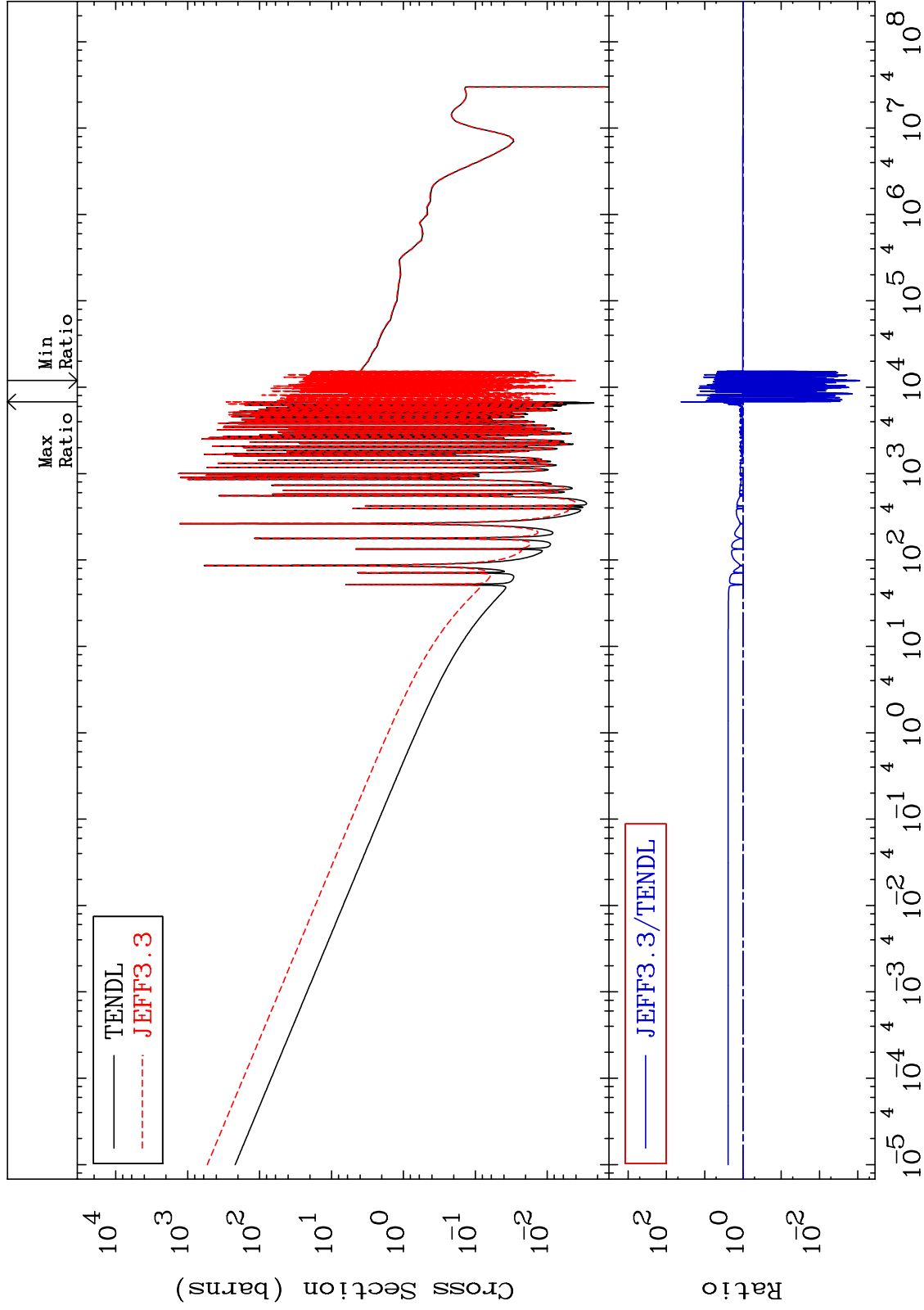
Incident Energy (eV)

46-Pd-110

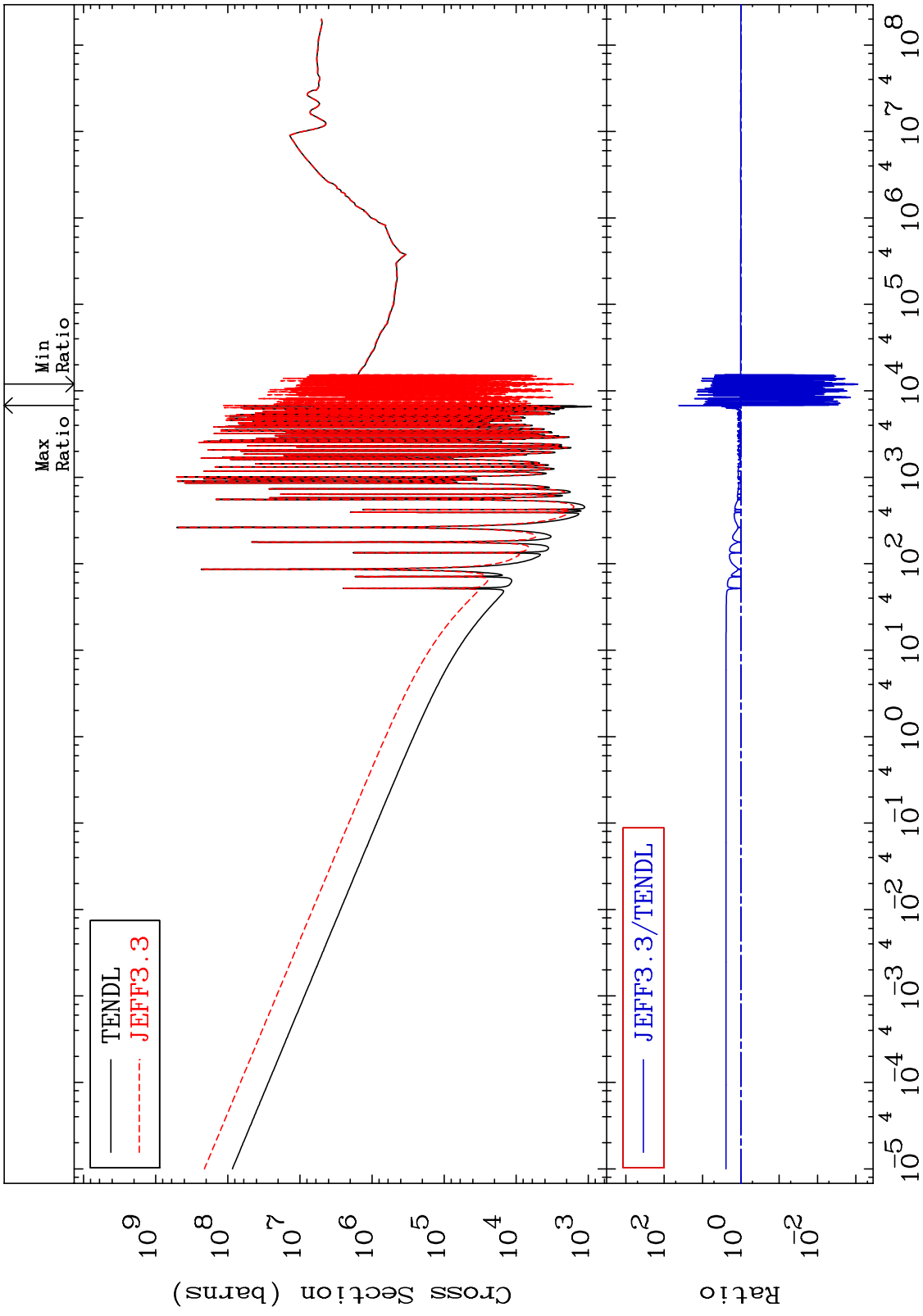
MAT 4649

Kerma capture (mt102)  
Cross Section

46-Pd-110  
-99.91 To 3998. %

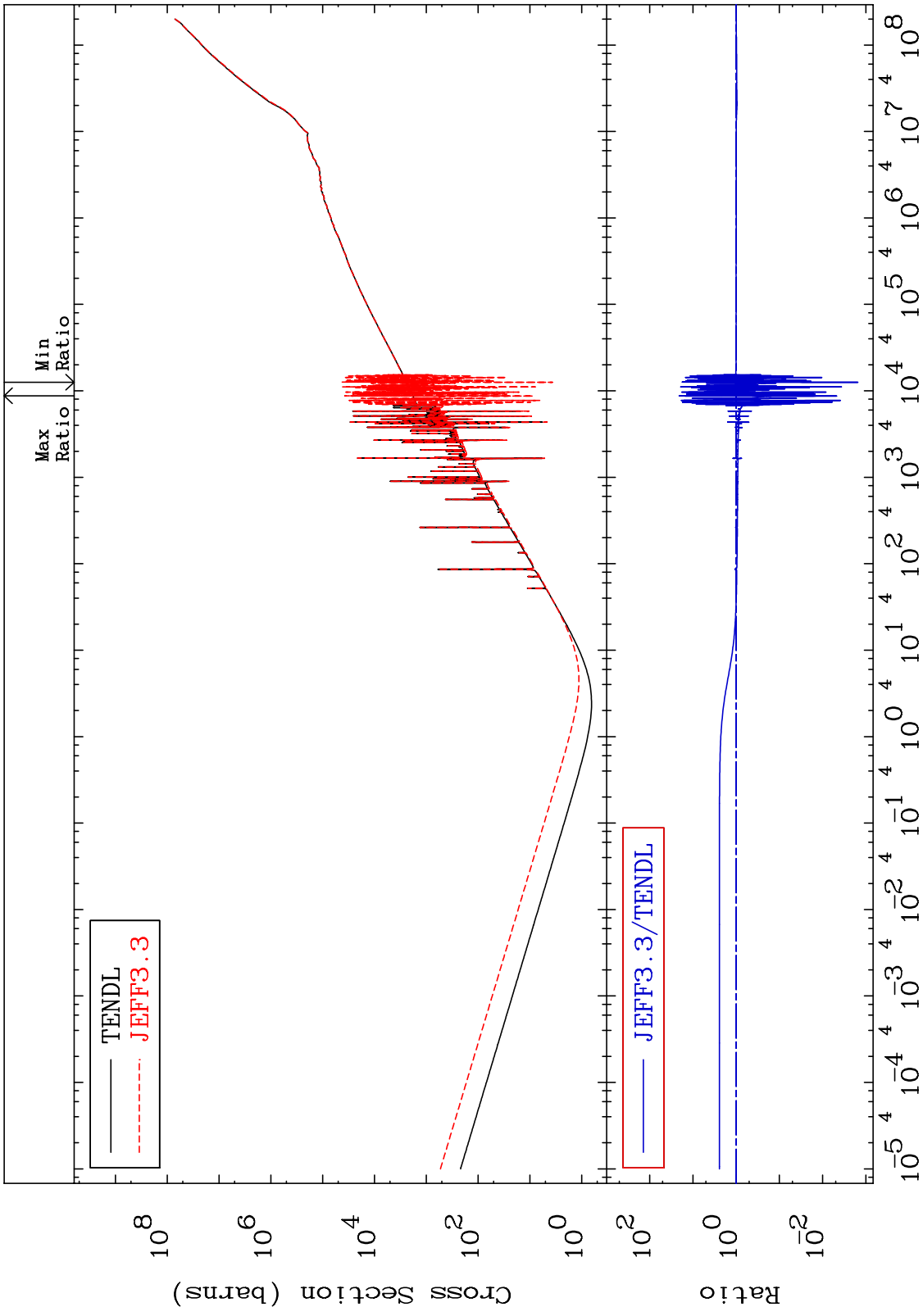


MAT 4649 46-Pd-110  
 Total photon (eV-barns) -99.91 To 3998. %  
 Cross Section



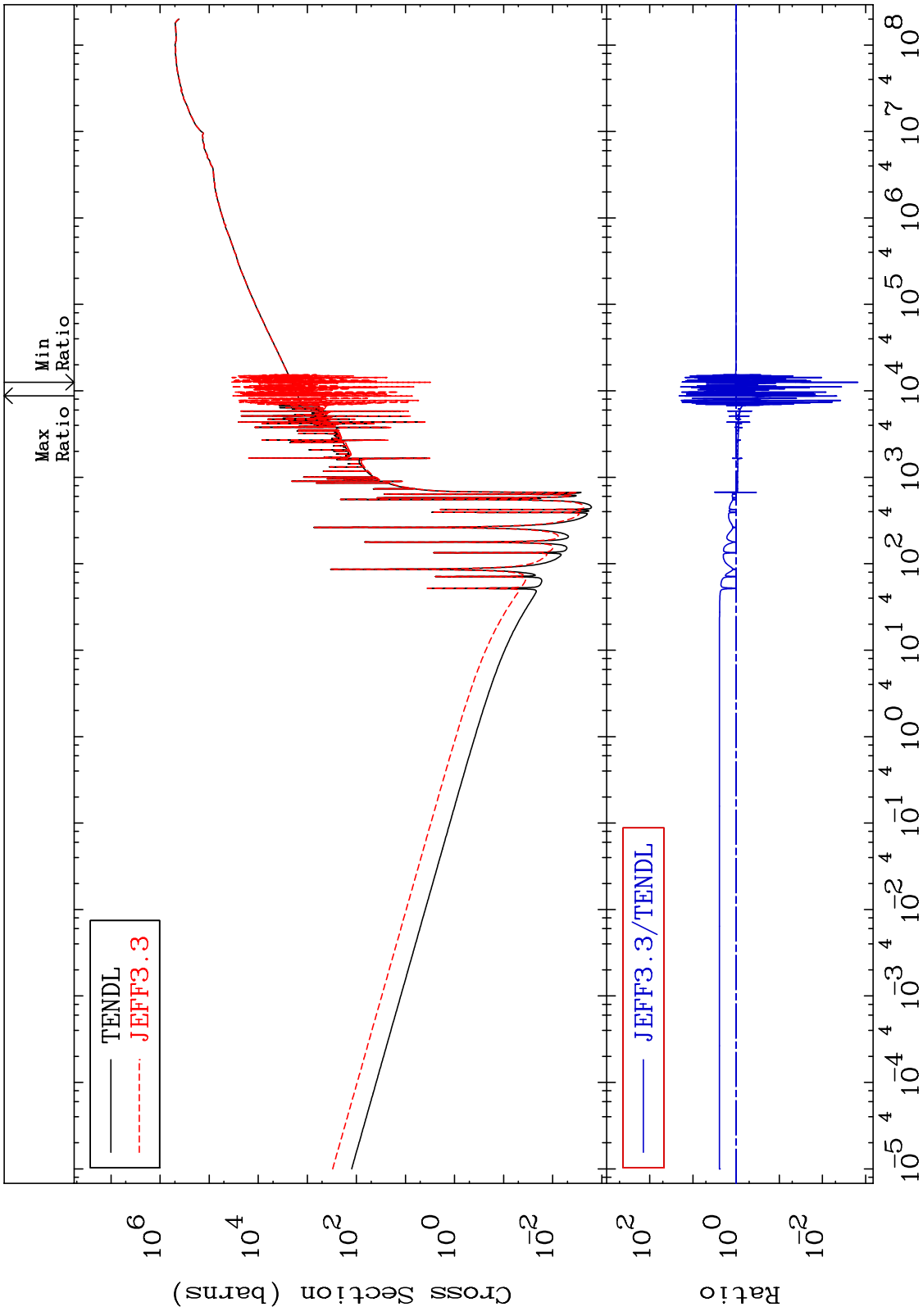
69 46-Pd-110

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. %



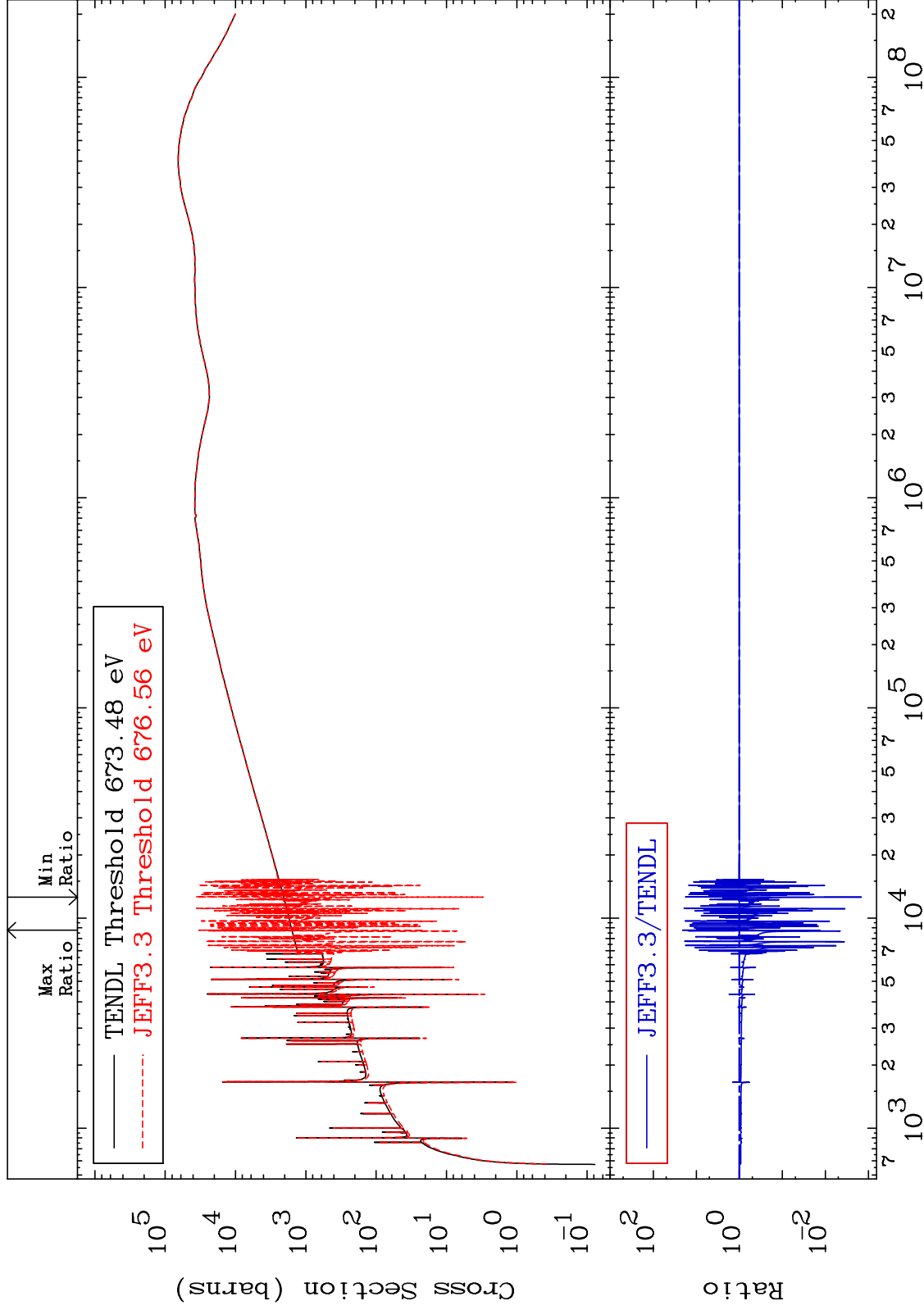
71      Incident Energy (eV)      46-Pd-110



MAT 4649

Dpa elastic (mt2)  
Cross Section

46-Pd-110  
-99.85 To 1994. %

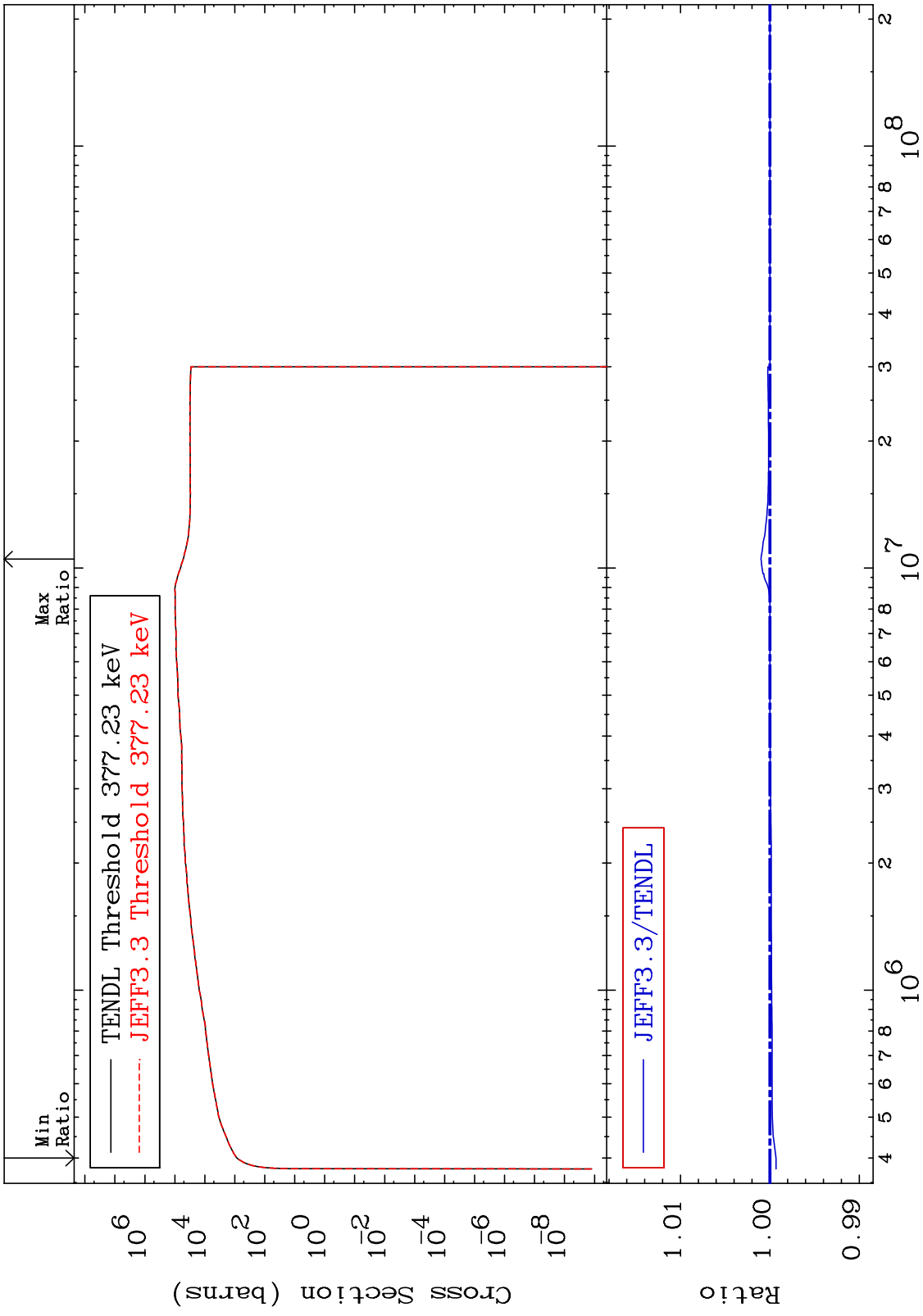


72

Incident Energy (eV)

46-Pd-110

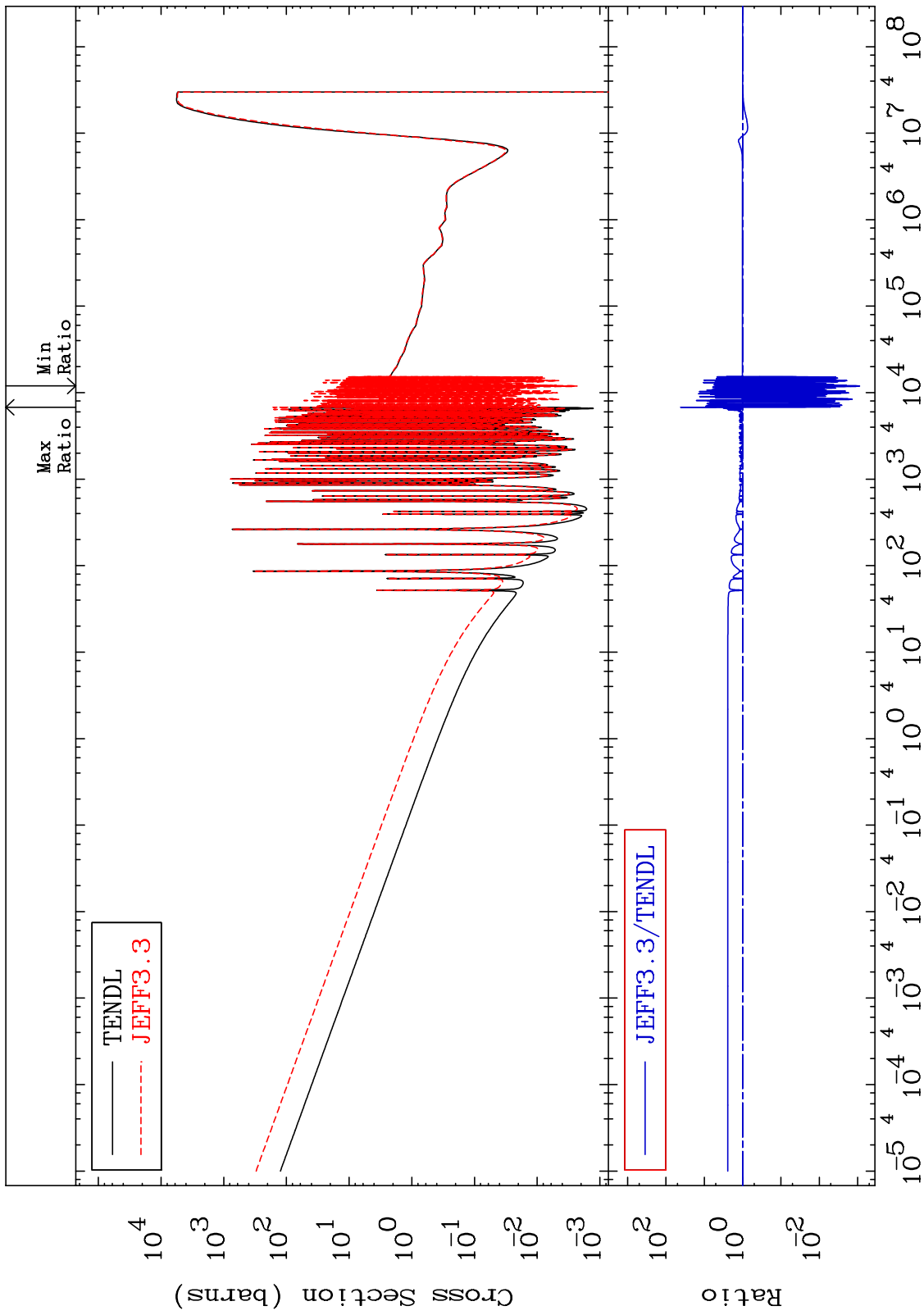
MAT 4649      Dpa inelastic (mt51-91)      46-Pd-110  
Cross Section      -0.069 To 0.100 %



MAT 4649

Dpa disappearance (mt102 -120)  
Cross Section

46-Pd-110  
-99.91 To 3998. %

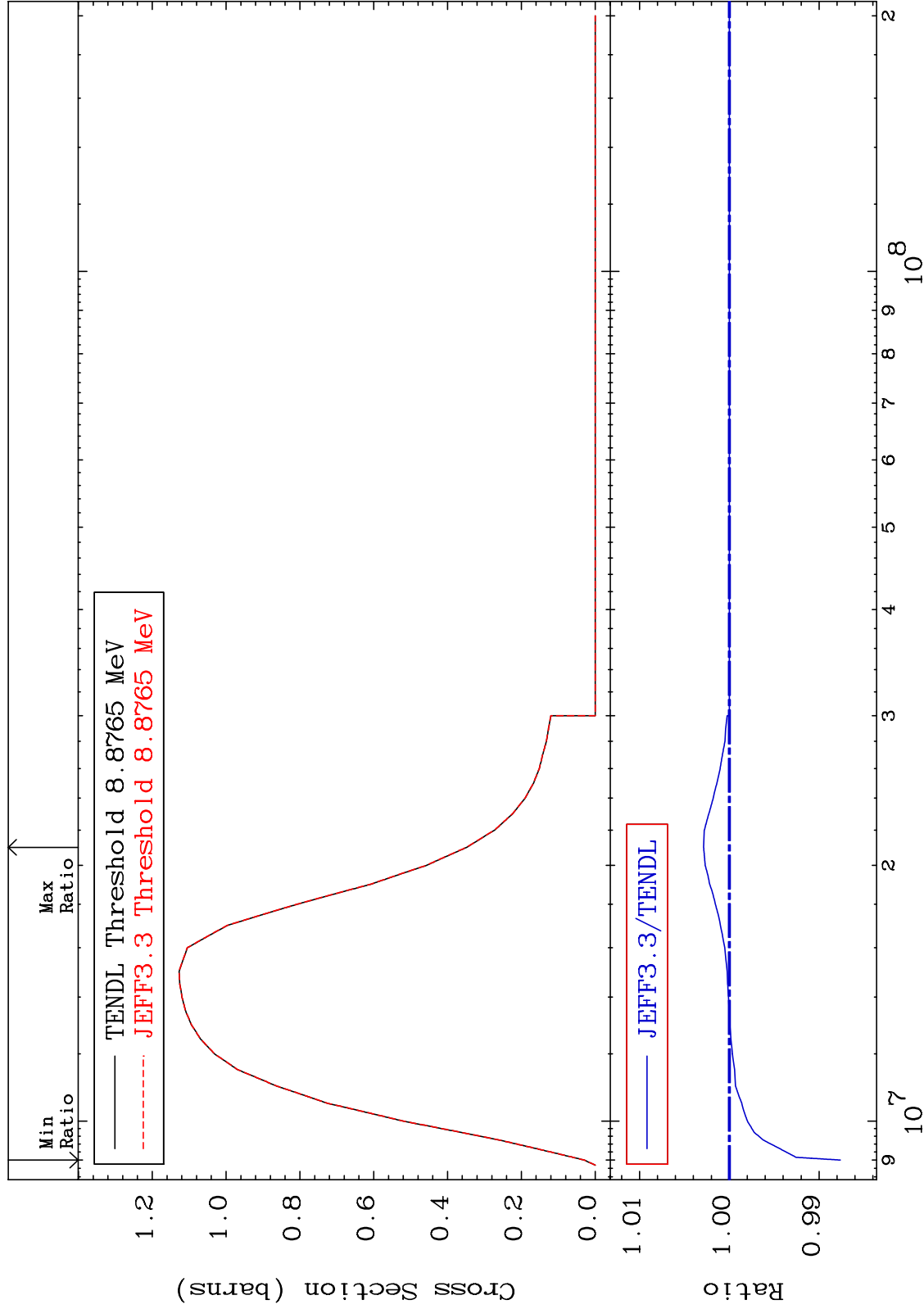


MAT 4649

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

46-Pd-110

Radionuclide Production Cross Section -1.238 To 0.286 %



75

Incident Energy (eV)

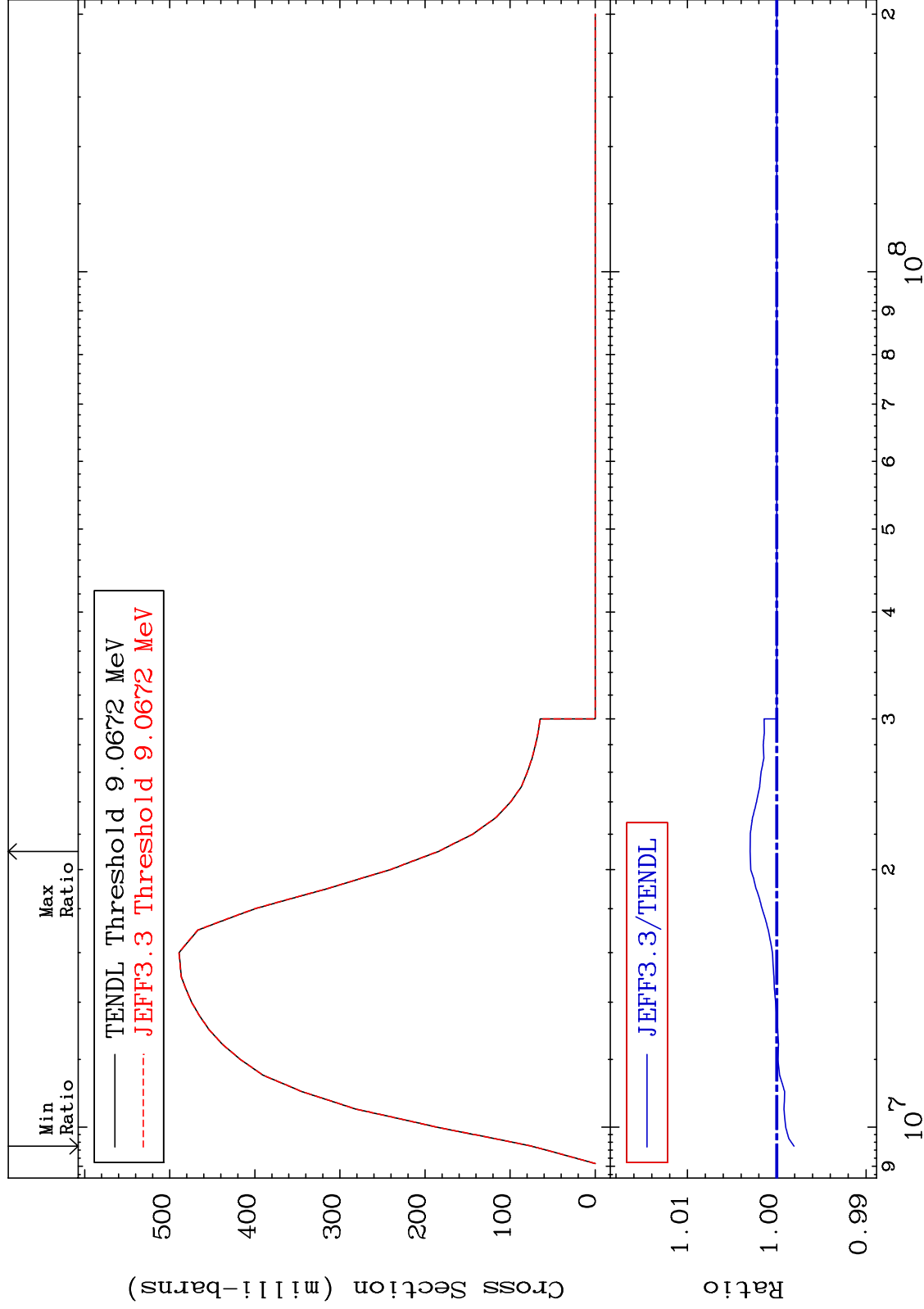
46-Pd-110

MAT 4649

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

46-Pd-110

Radionuclide Production Cross Section -0.193 To 0.300 %

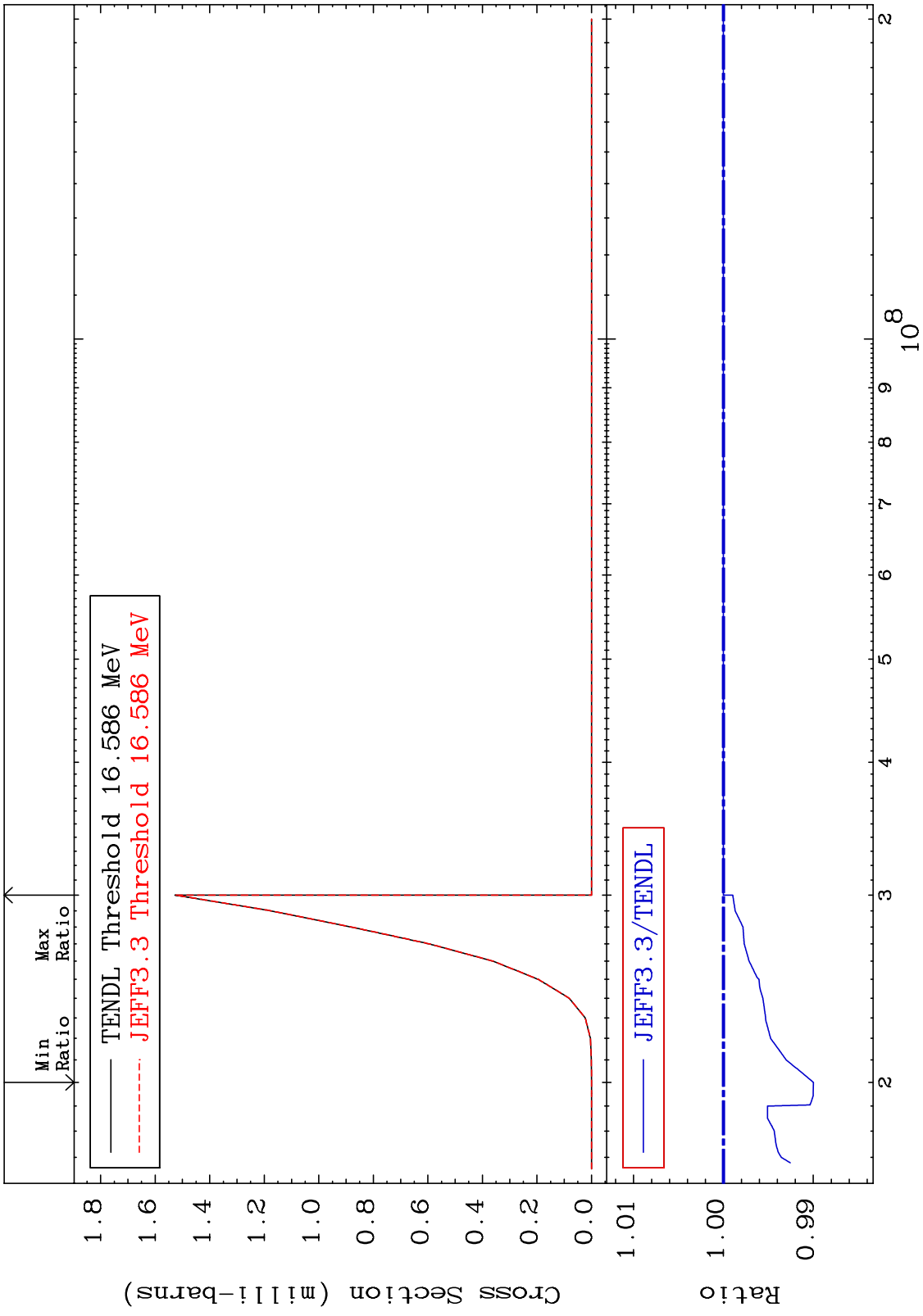


76

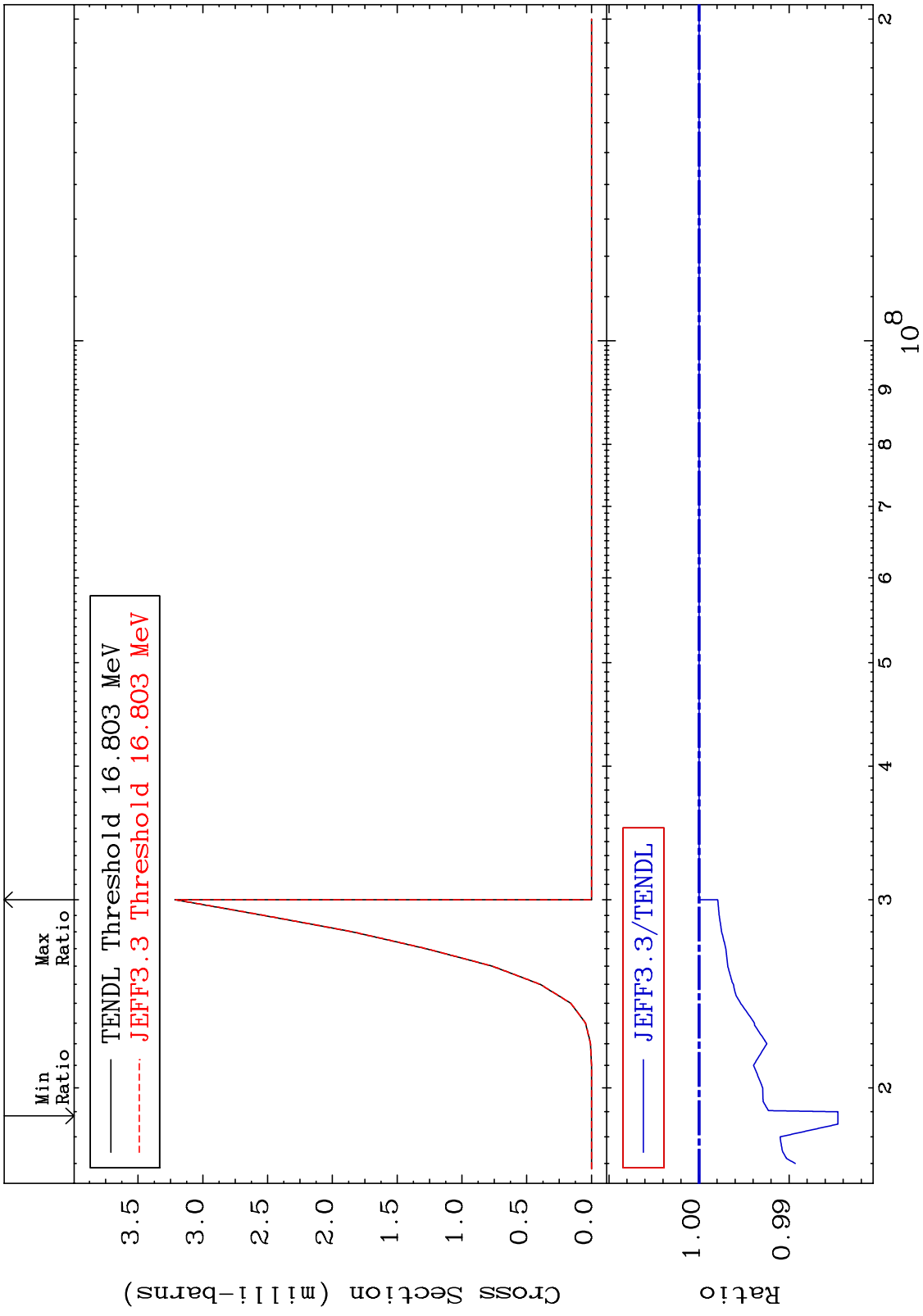
Incident Energy (eV)

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 %

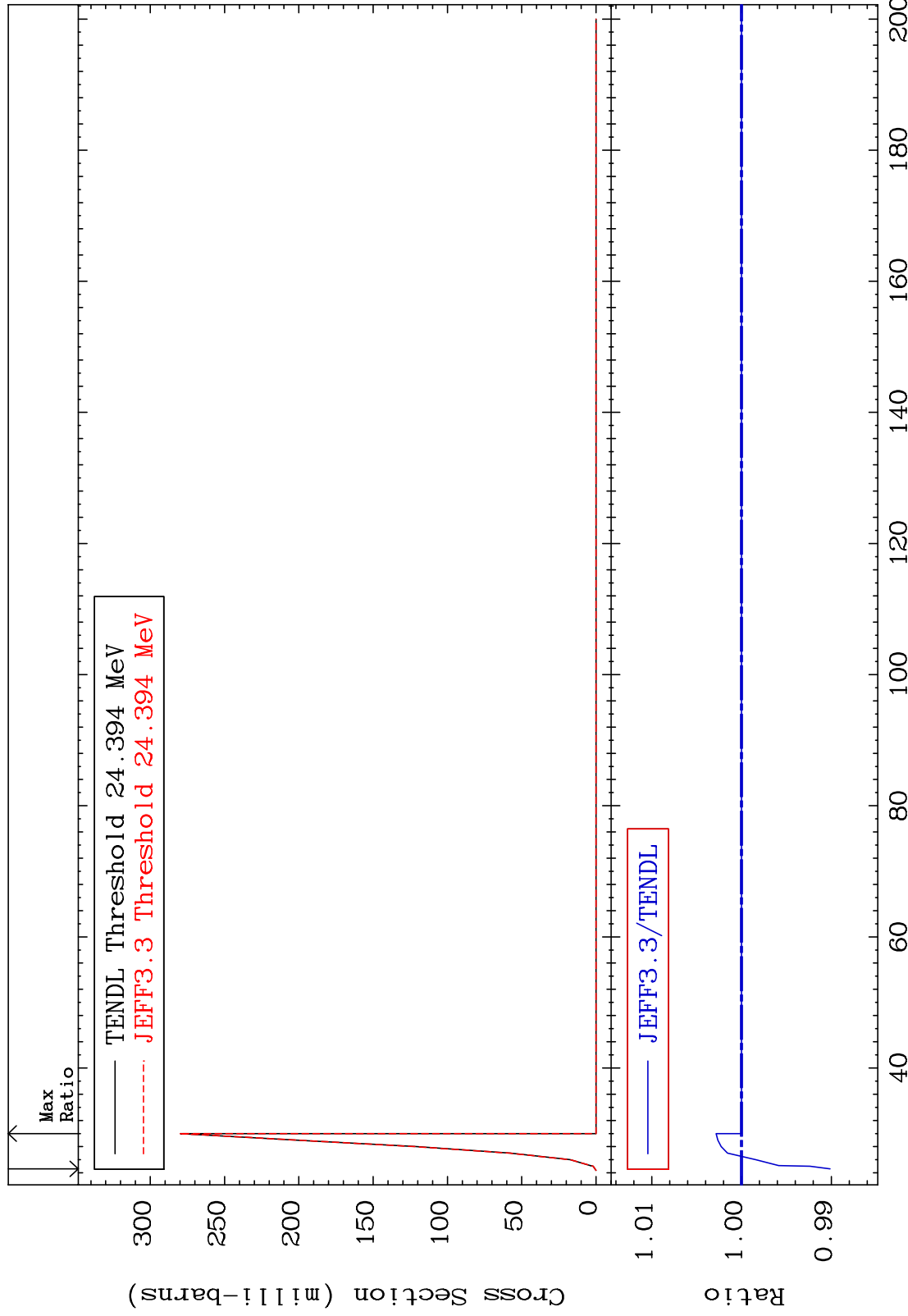


MAT 4649

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

46-Pd-110

Radionuclide Production Cross Section -0.986 To 0.283 %



79

Incident Energy (MeV)

46-Pd-110

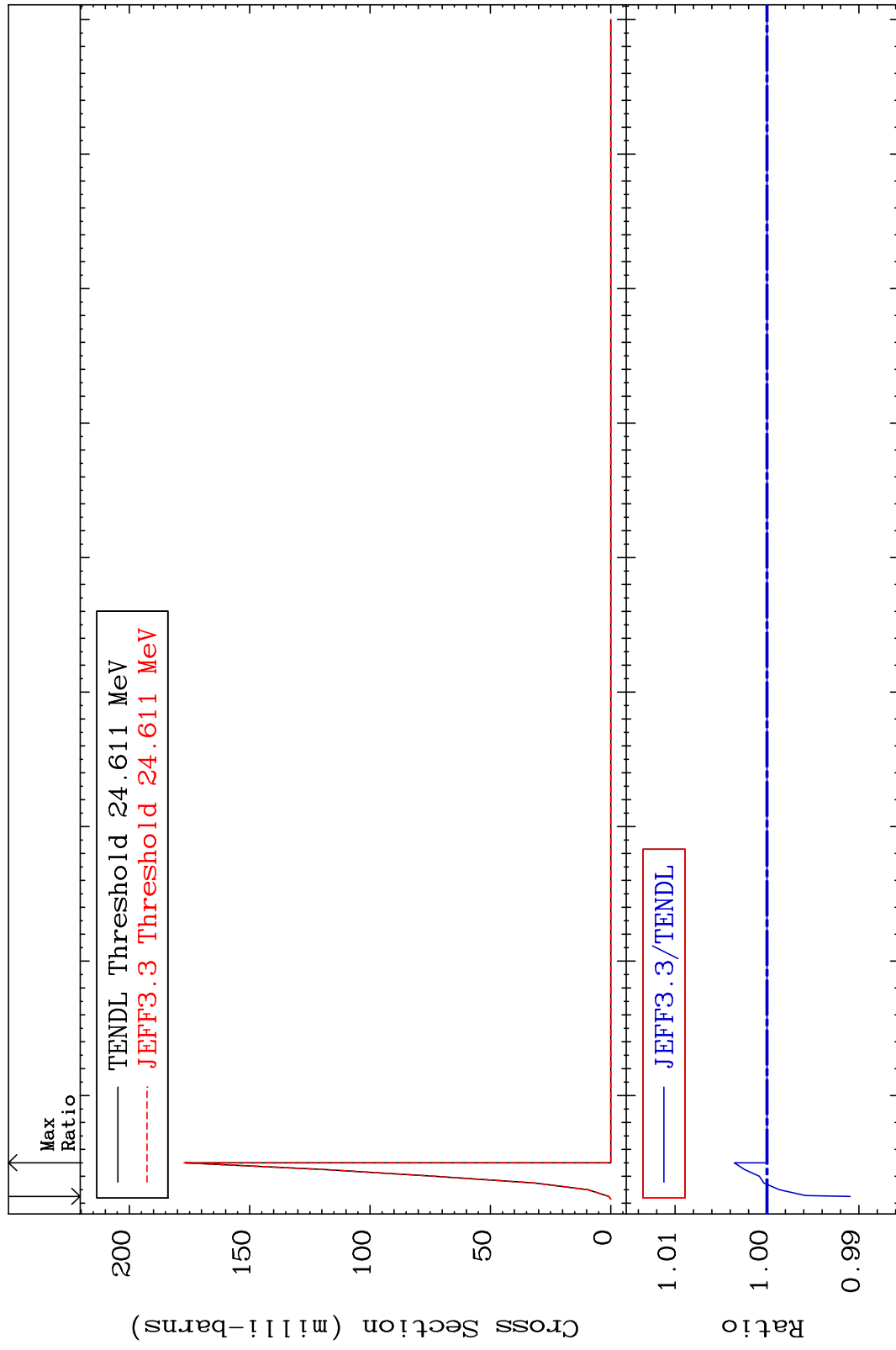


MAT 4649

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

46-Pd-110

Radionuclide Production Cross Section -0.904 To 0.357 %

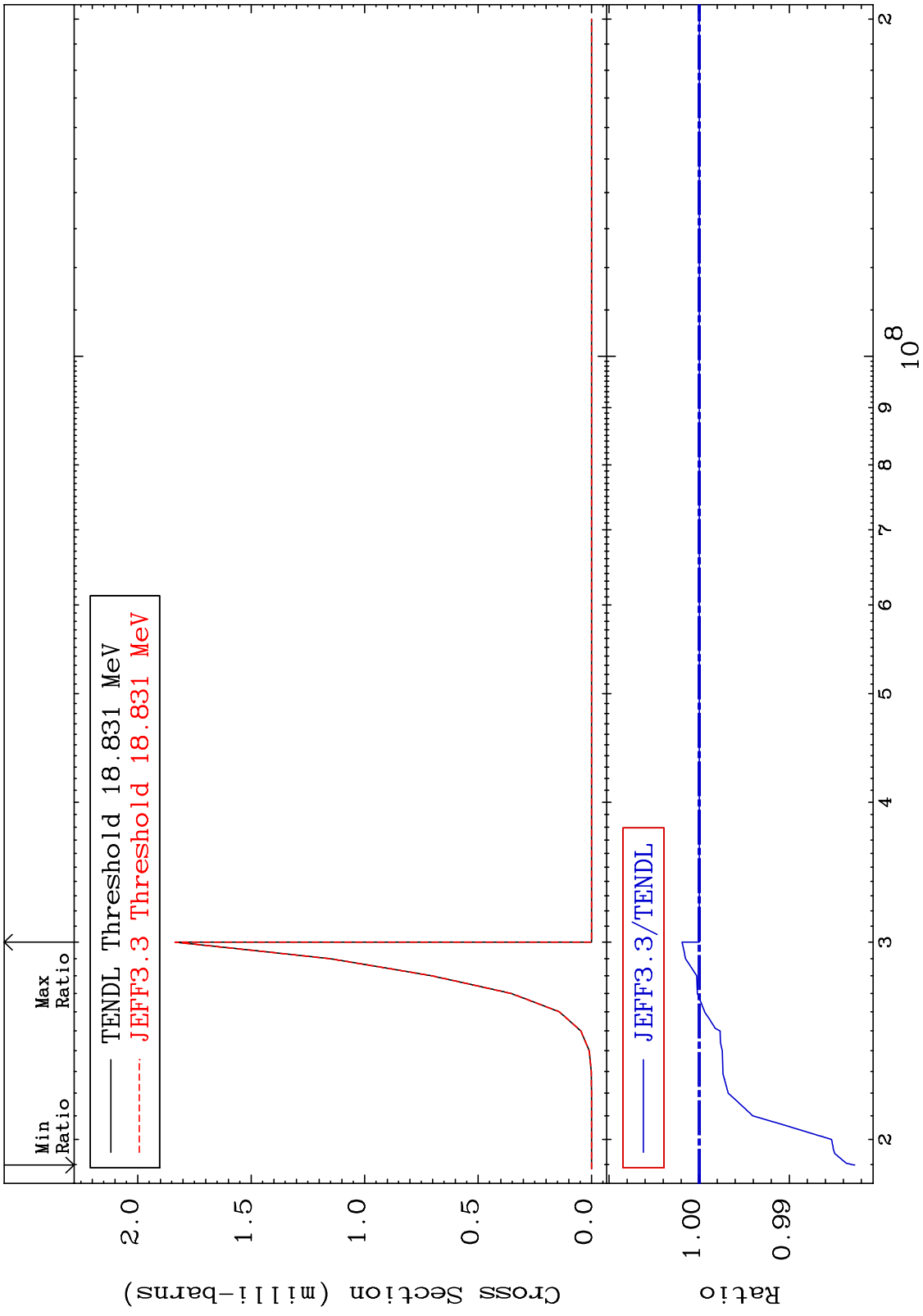


80

Incident Energy (MeV)

46-Pd-110

MAT 4649 (n,2n) p:45-Rh-108g 46-Pd-110  
 Radionuclide Production Cross Section -1.728 To 0.190 %

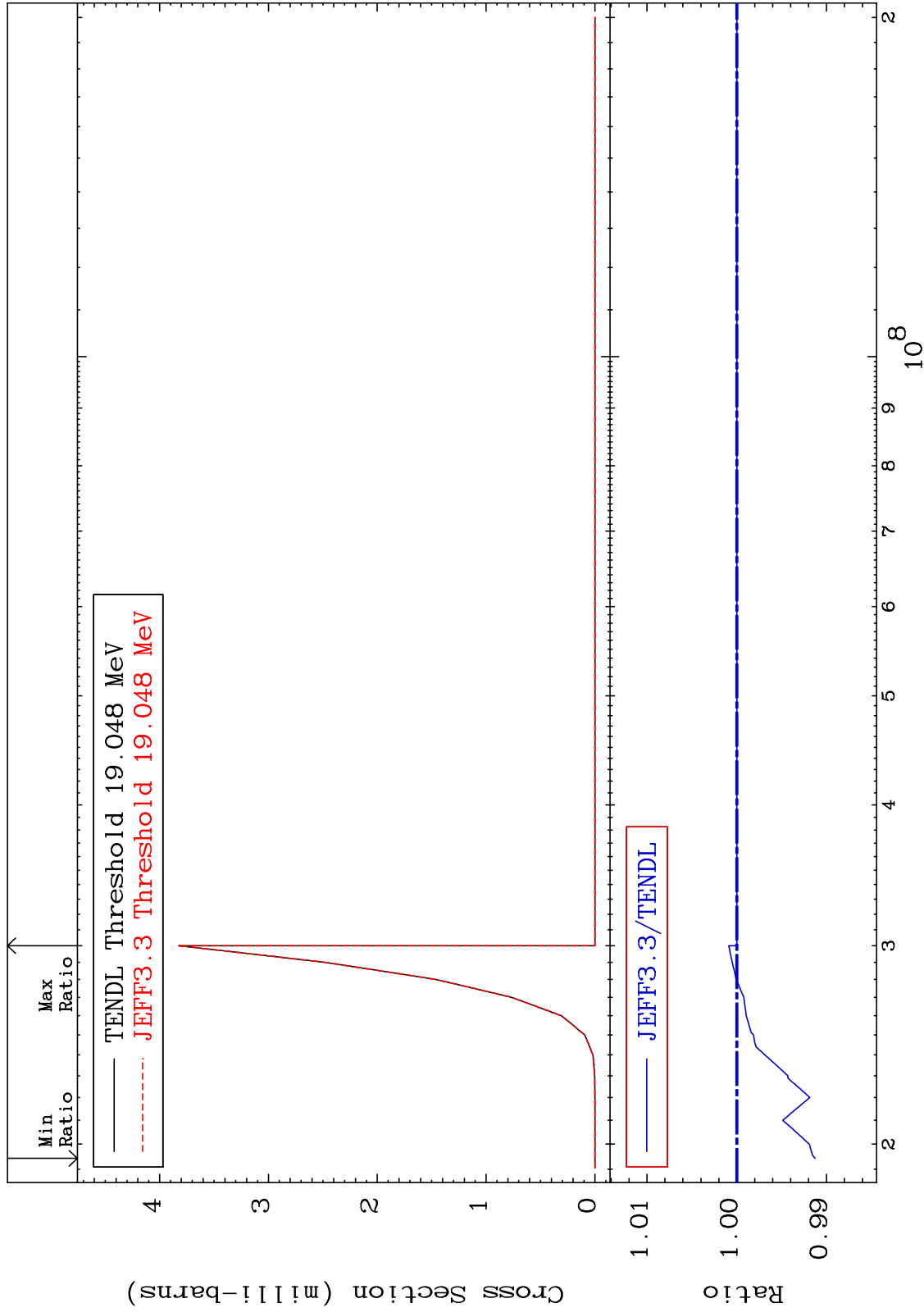


MAT 4649

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

46-Pd-110

Radionuclide Production Cross Section -0.872 To 0.090 %

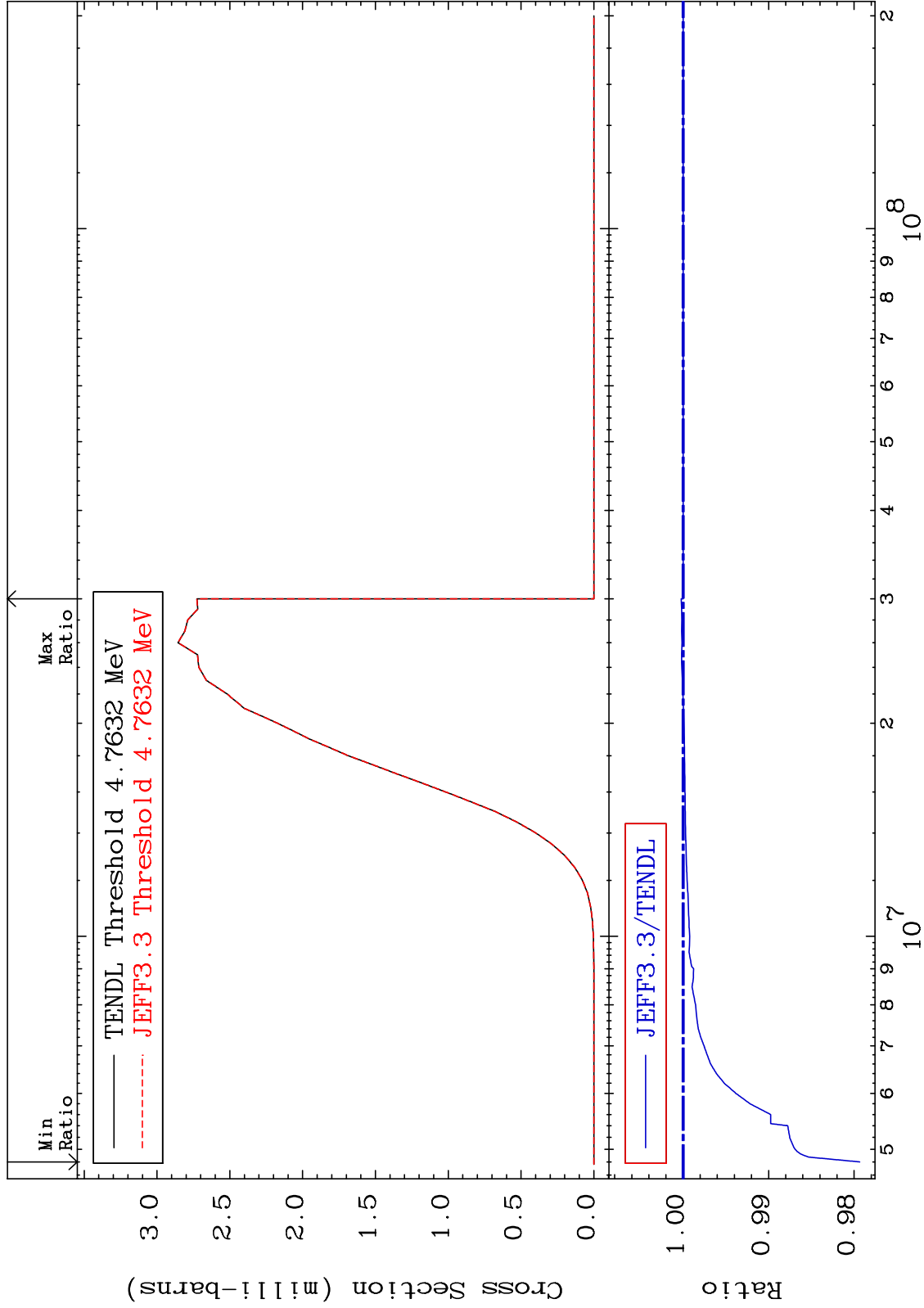


MAT 4649

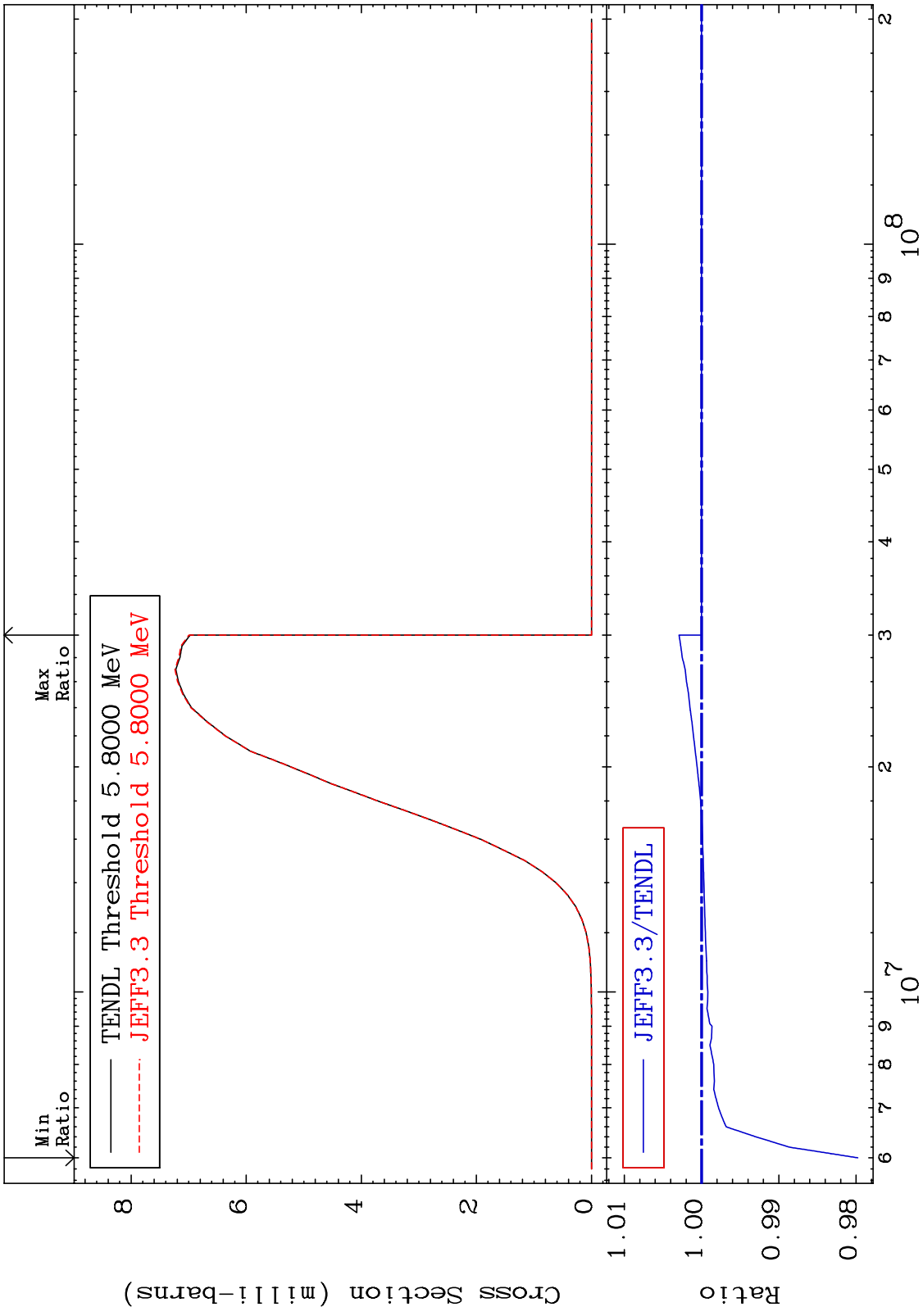
(n,p) : 45-Rh-110g

46-Pd-110

Radionuclide Production Cross Section -2.066 To 0.021 %



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

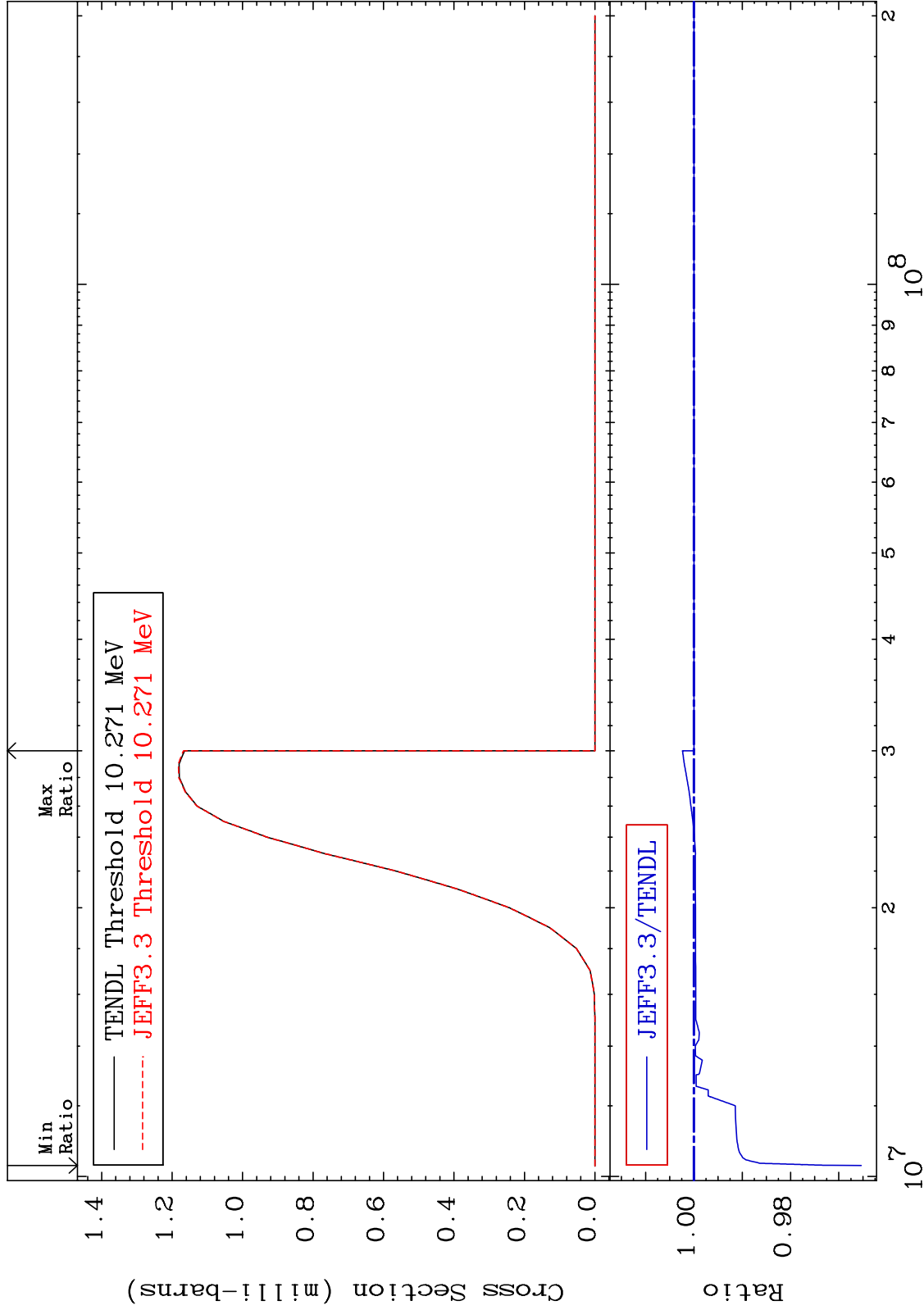


MAT 4649

(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 %

