

Program Complot  
(Version 2018-1)

by

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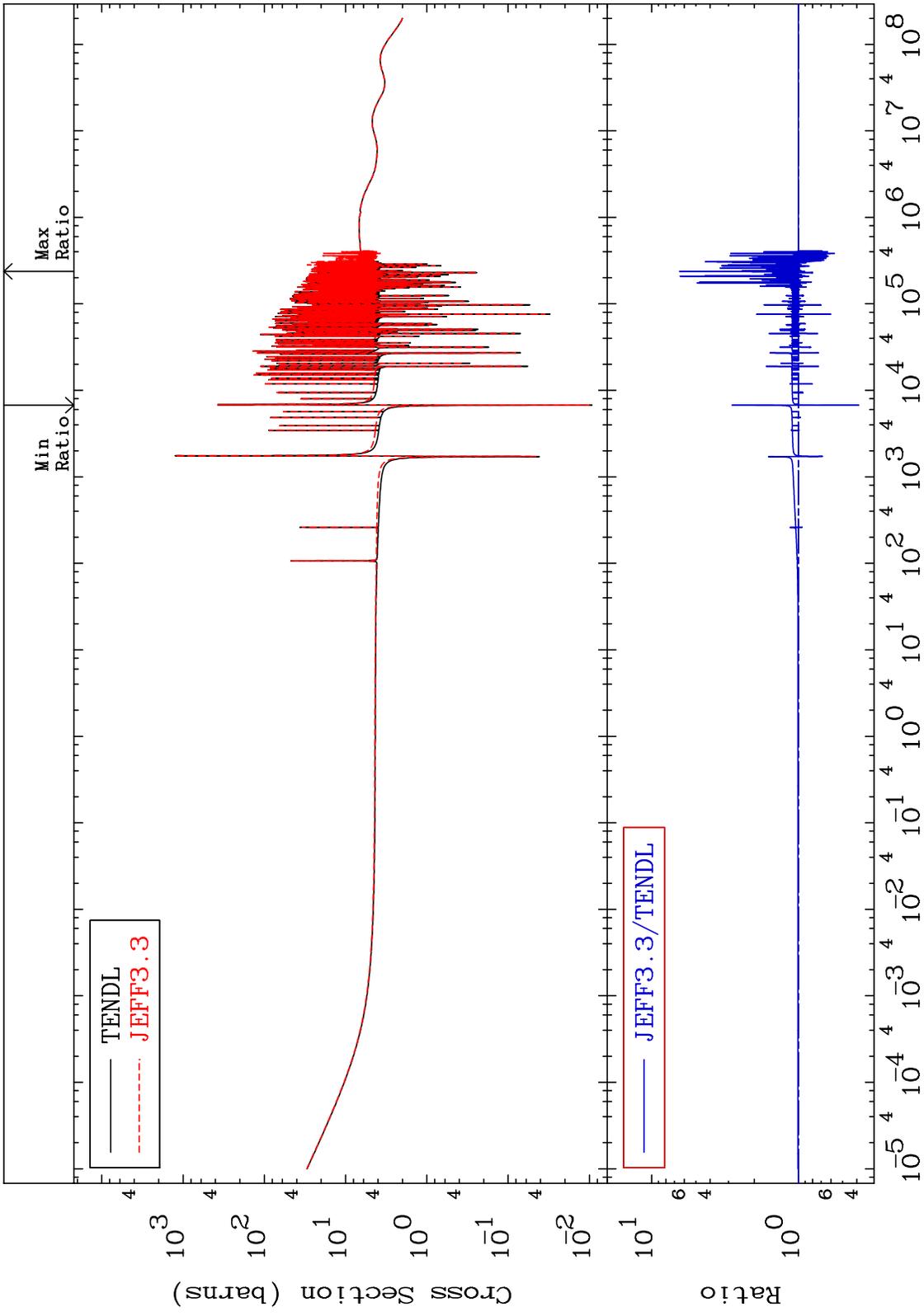
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Press Mouse Button to Start

MAT 5055 Total Cross Section 50-Sn-122 -61.22 To 543.9 %

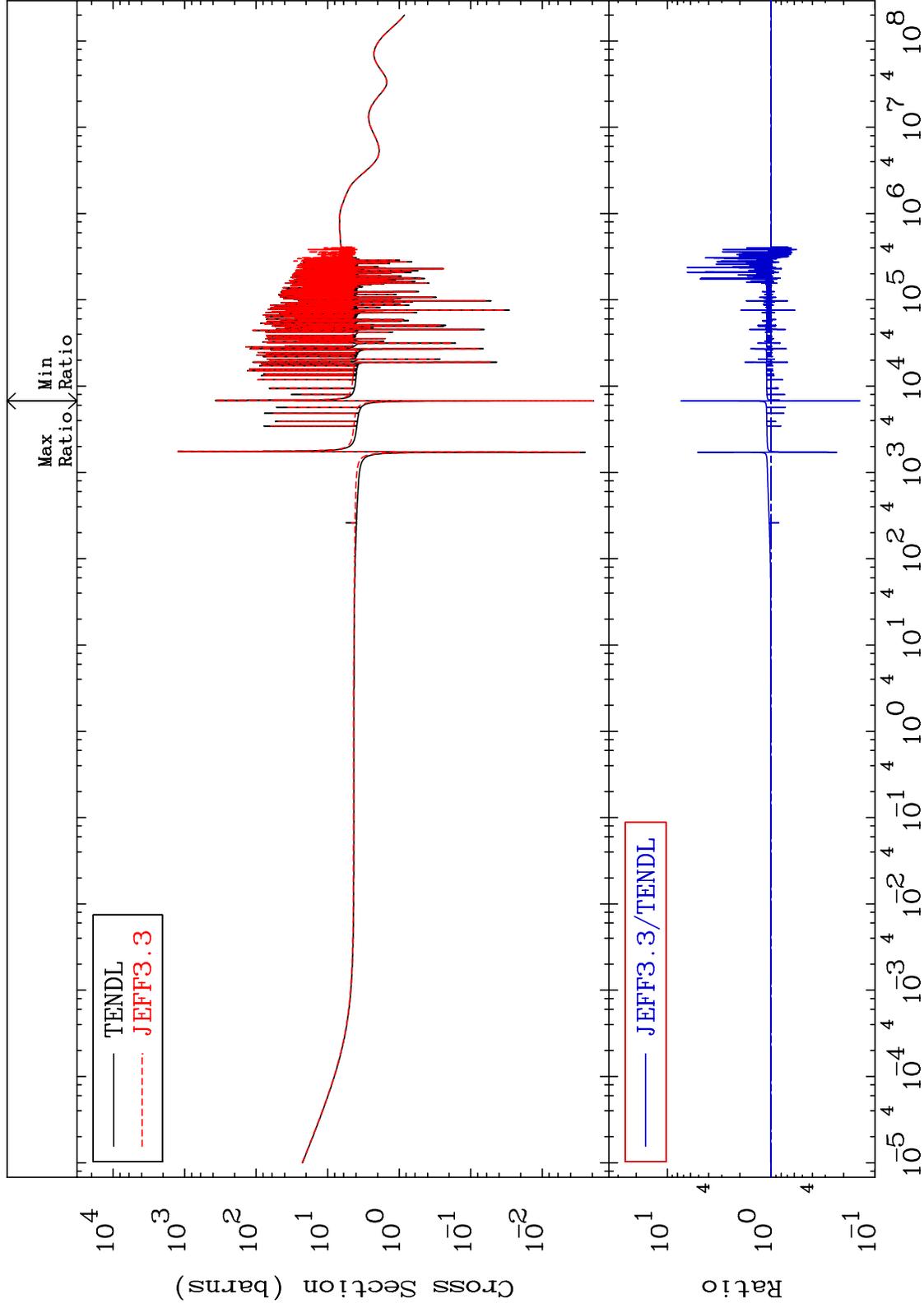


1 Incident Energy (eV) 50-Sn-122

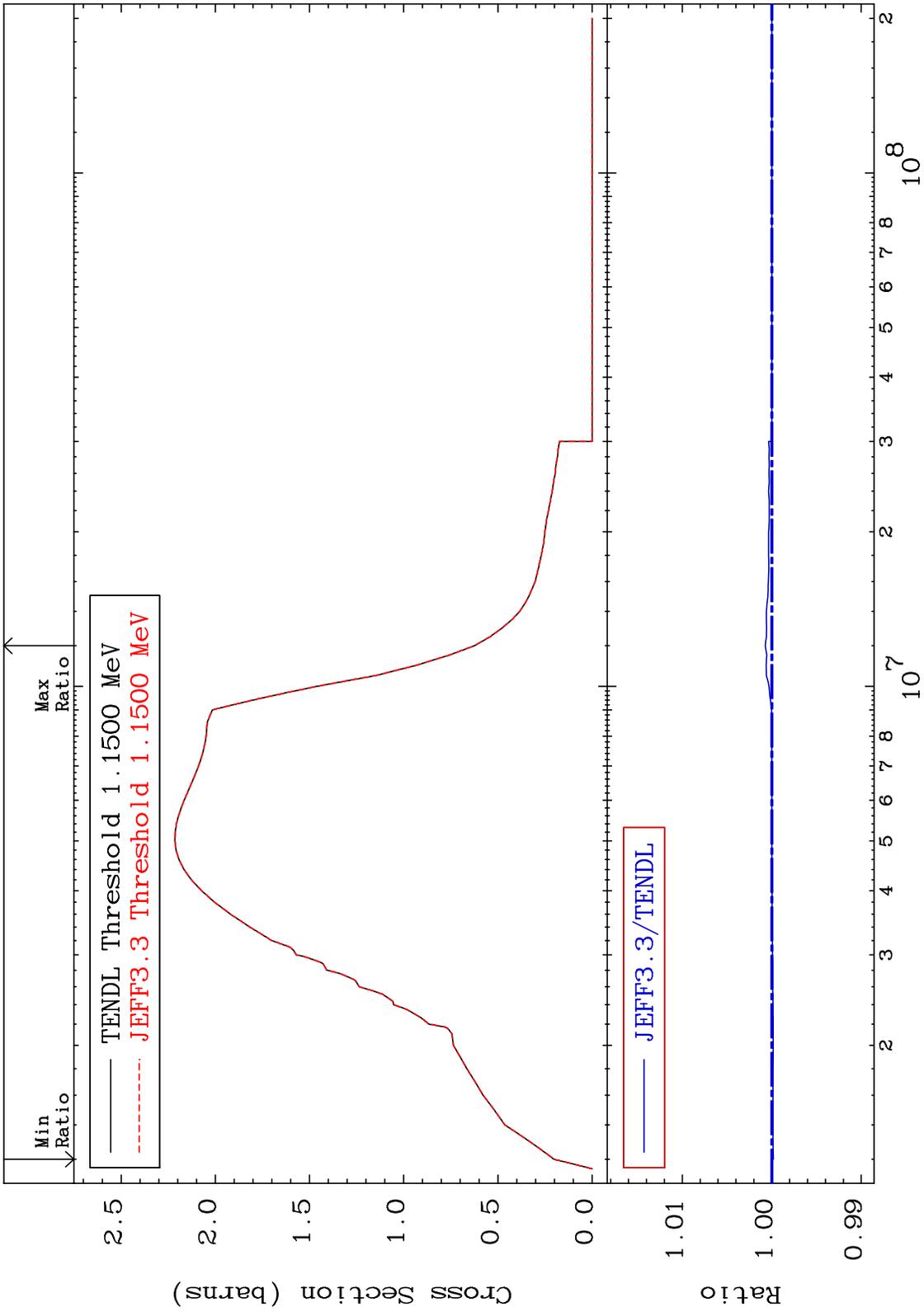
MAT 5055

Elastic  
Cross Section

50-Sn-122  
-86.04 To 636.6 %

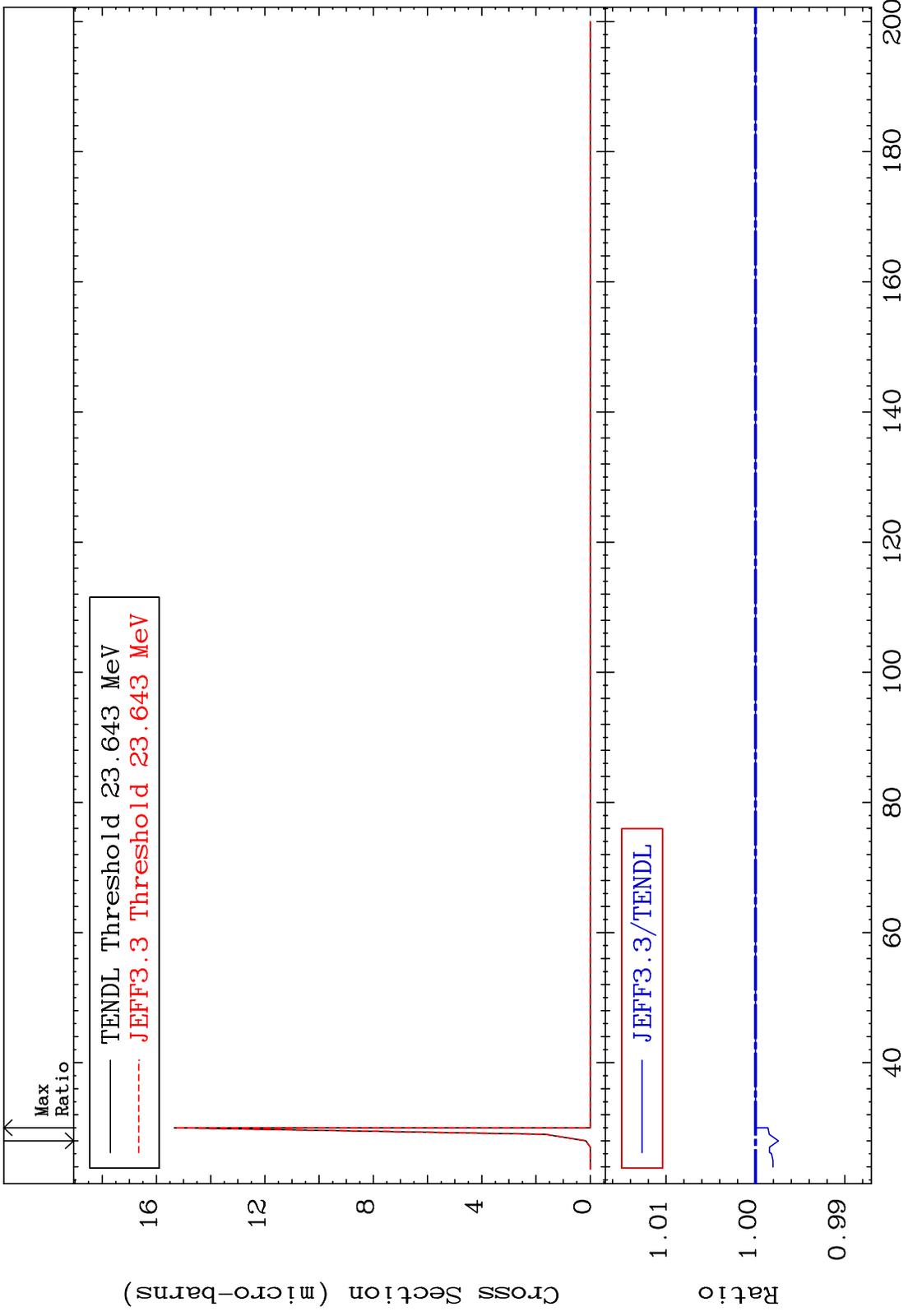


MAT 5055 50-Sn-122 Inelastic Cross Section -0.017 To 0.072 %

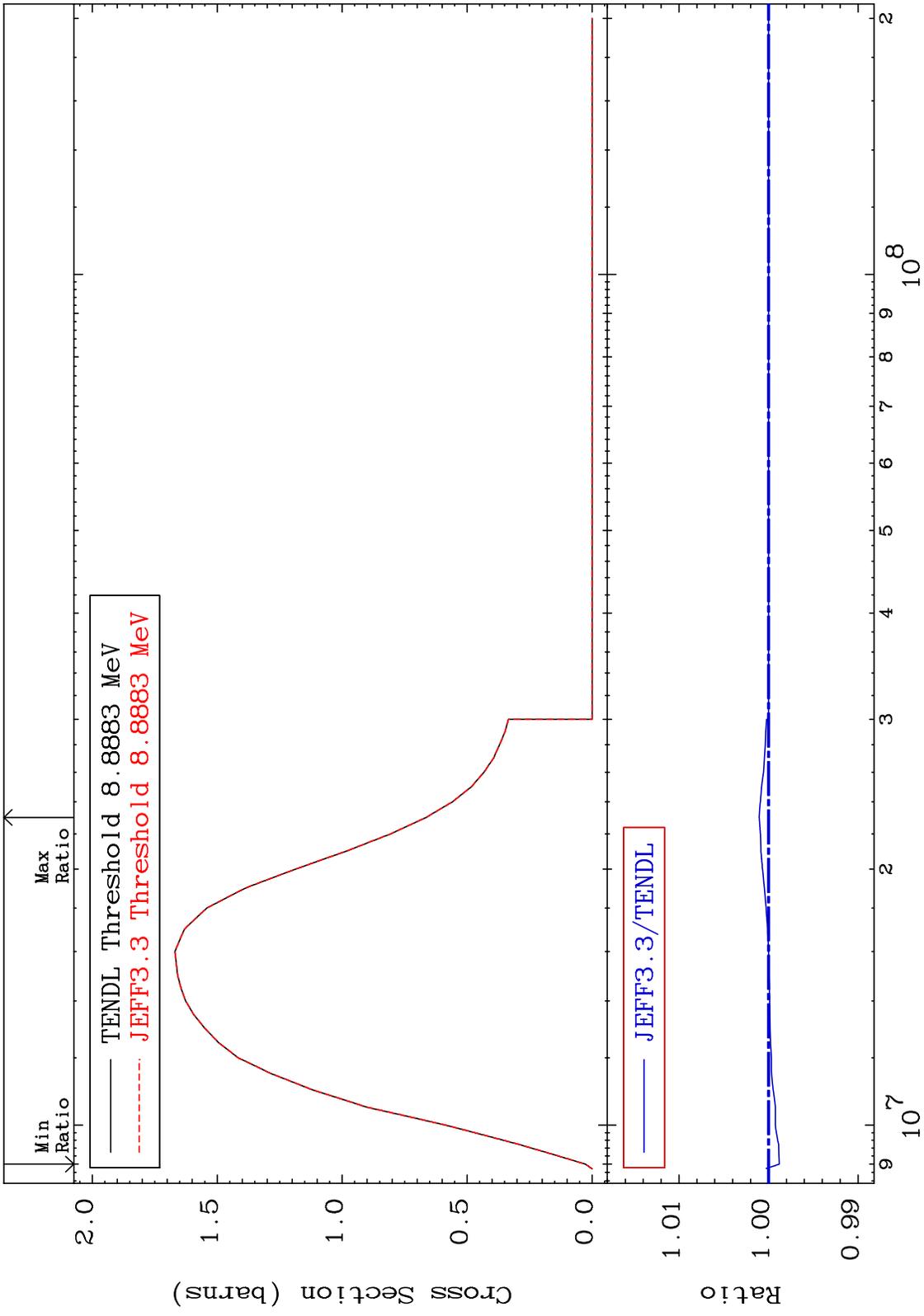


3 50-Sn-122

MAT 5055 (n,2n) d 50-Sn-122  
Cross Section -0.256 To 0.000 %

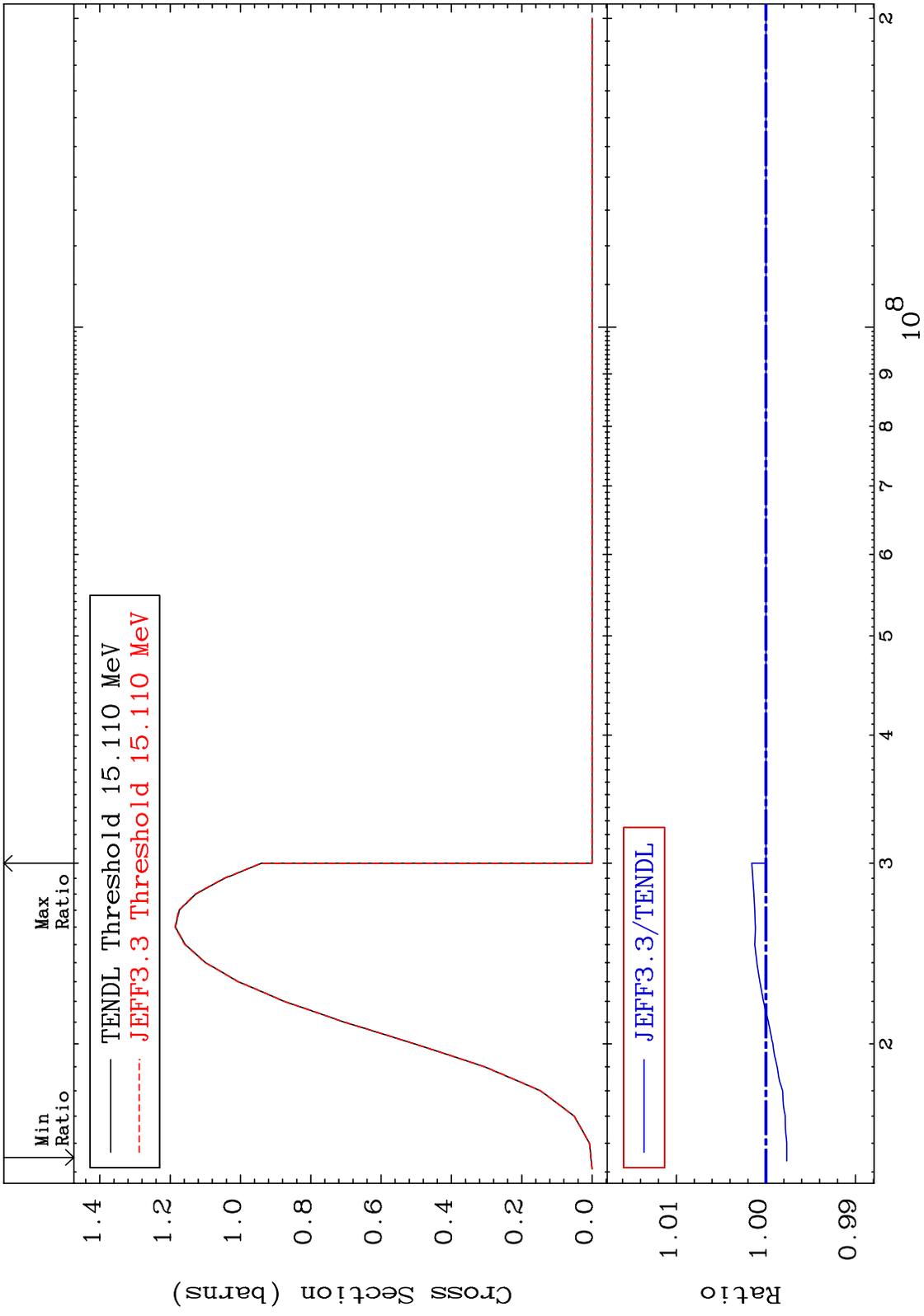


MAT 5055 (n,2n) Cross Section 50-Sn-122 -0.121 To 0.104 %

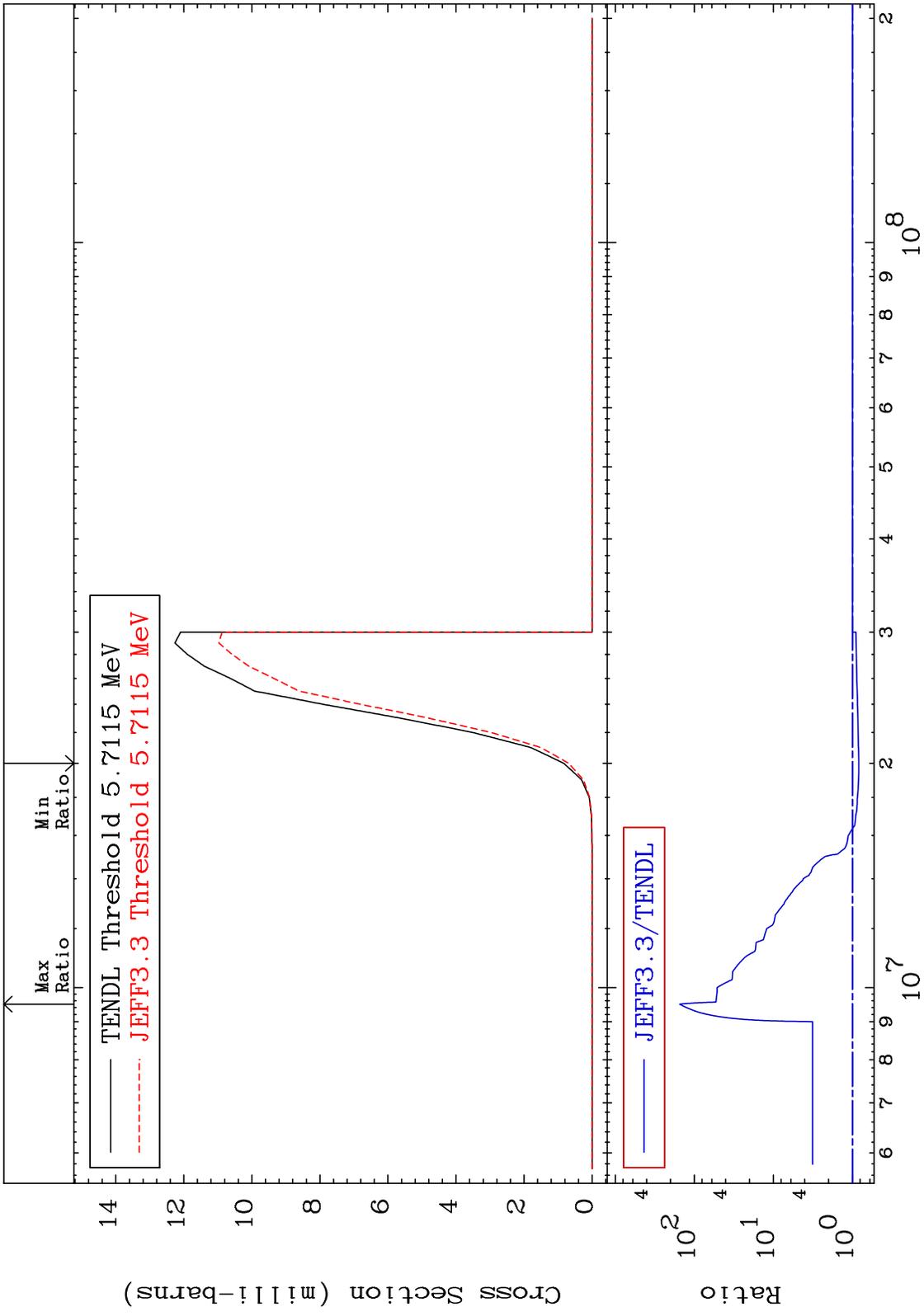


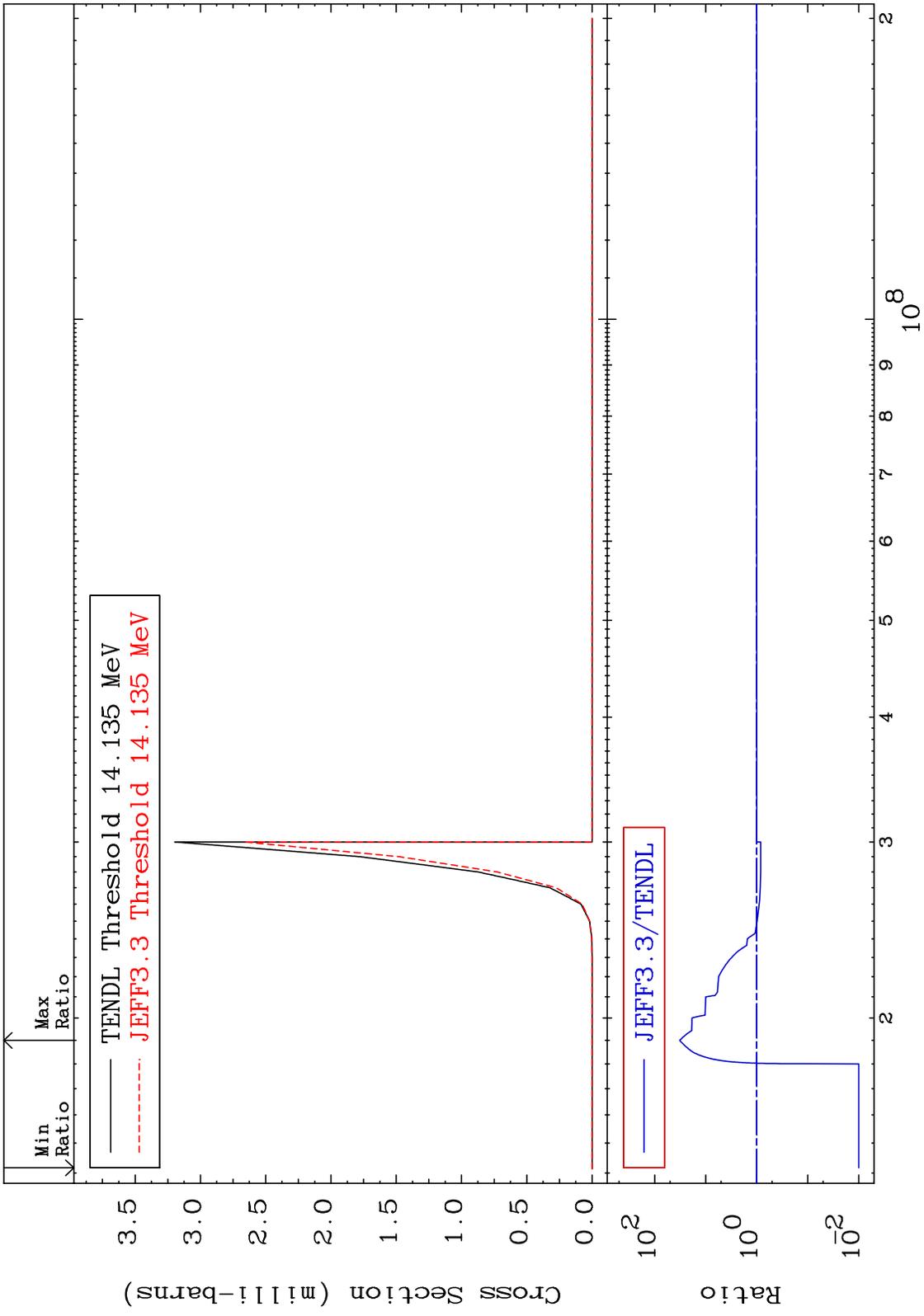
50-Sn-122 Incident Energy (eV)

MAT 5055  $(n, 3n)$  Cross Section  $50\text{-Sn-122}$   
 $-0.233$  To  $0.158$  %

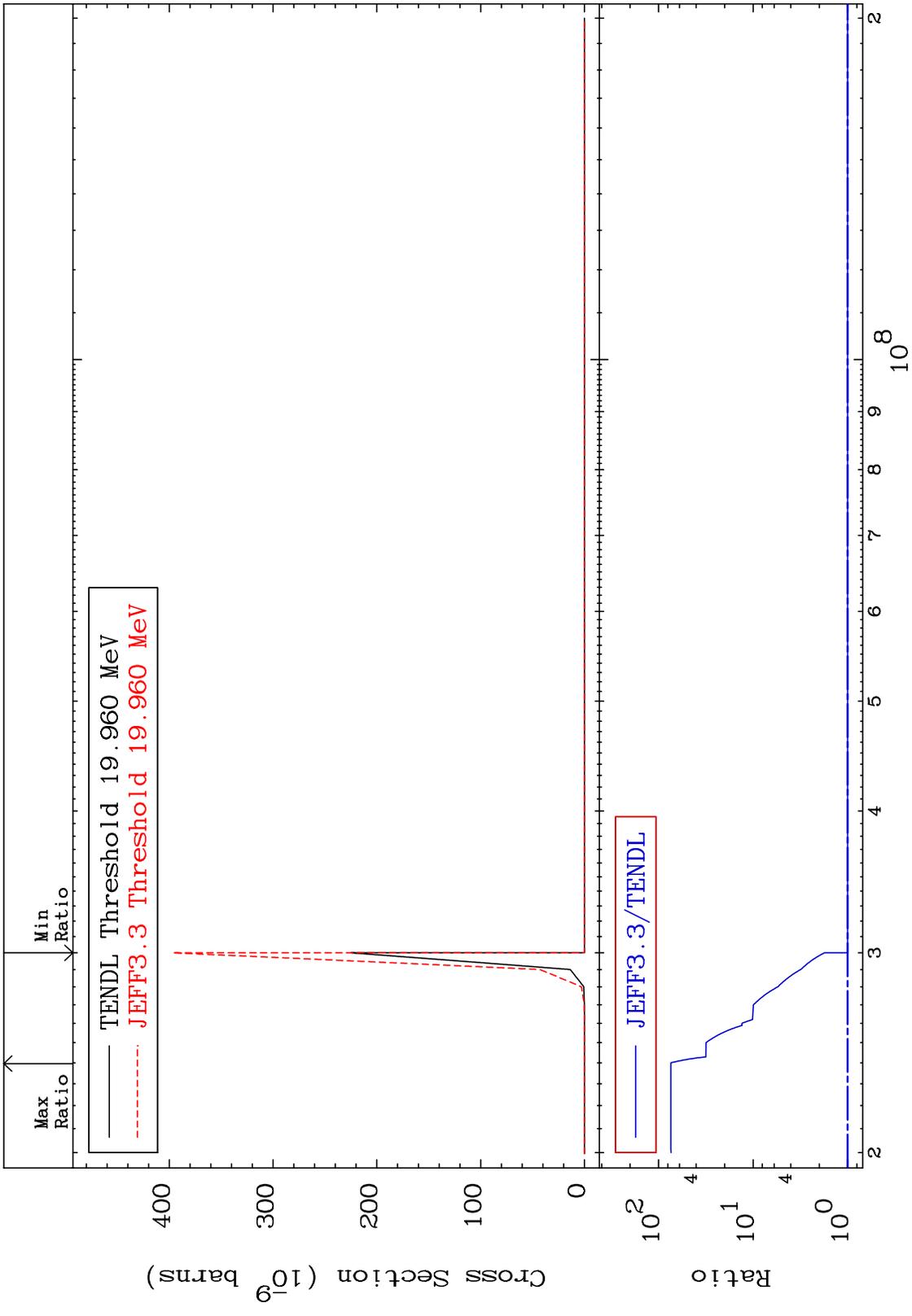


MAT 5055  $(n, n') \alpha$  50-Sn-122  
 Cross Section -17.16 To 9999. %

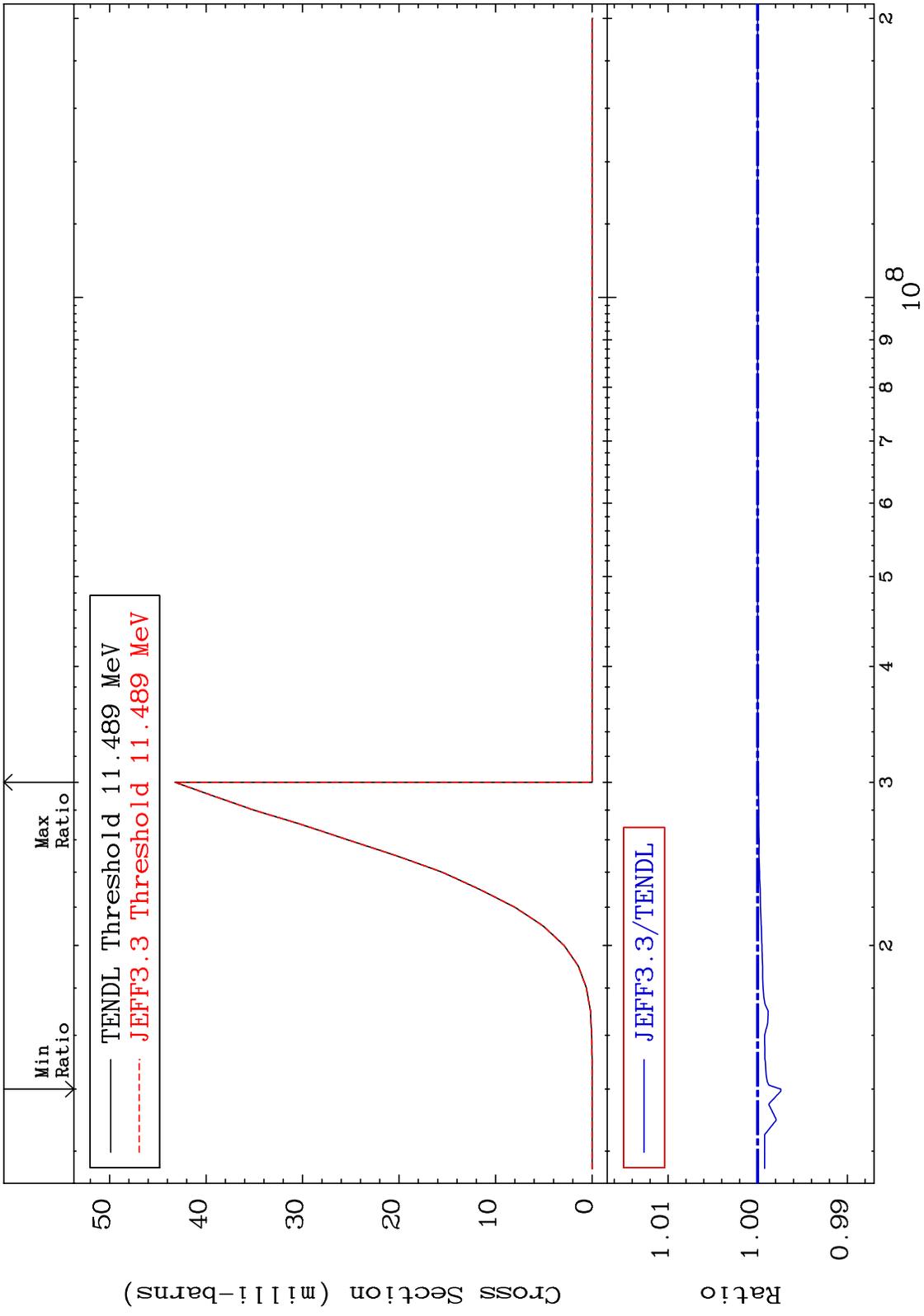




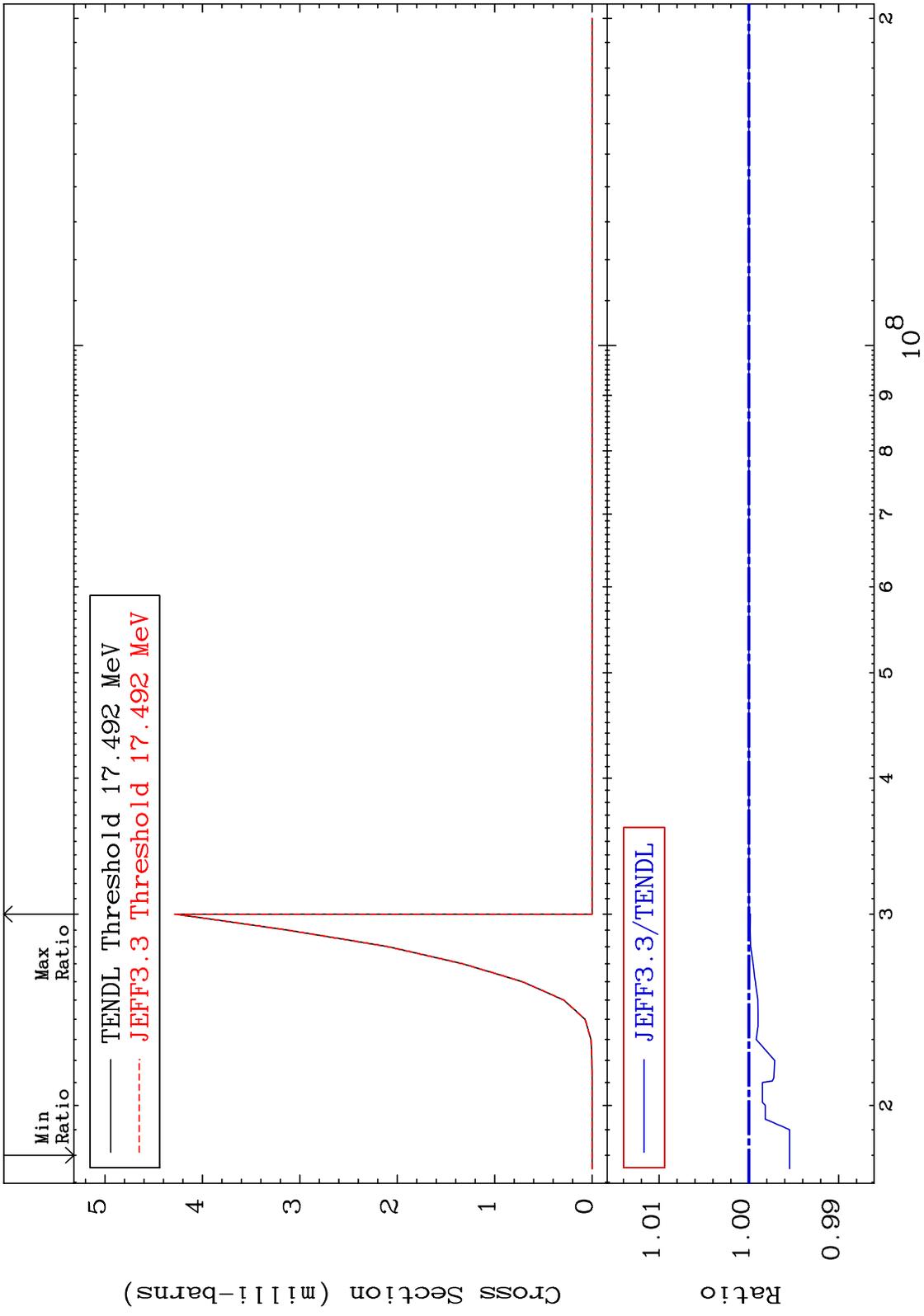
MAT 5055  $(n, 3n) \alpha$  50-Sn-122  
 Cross Section To 7302. %



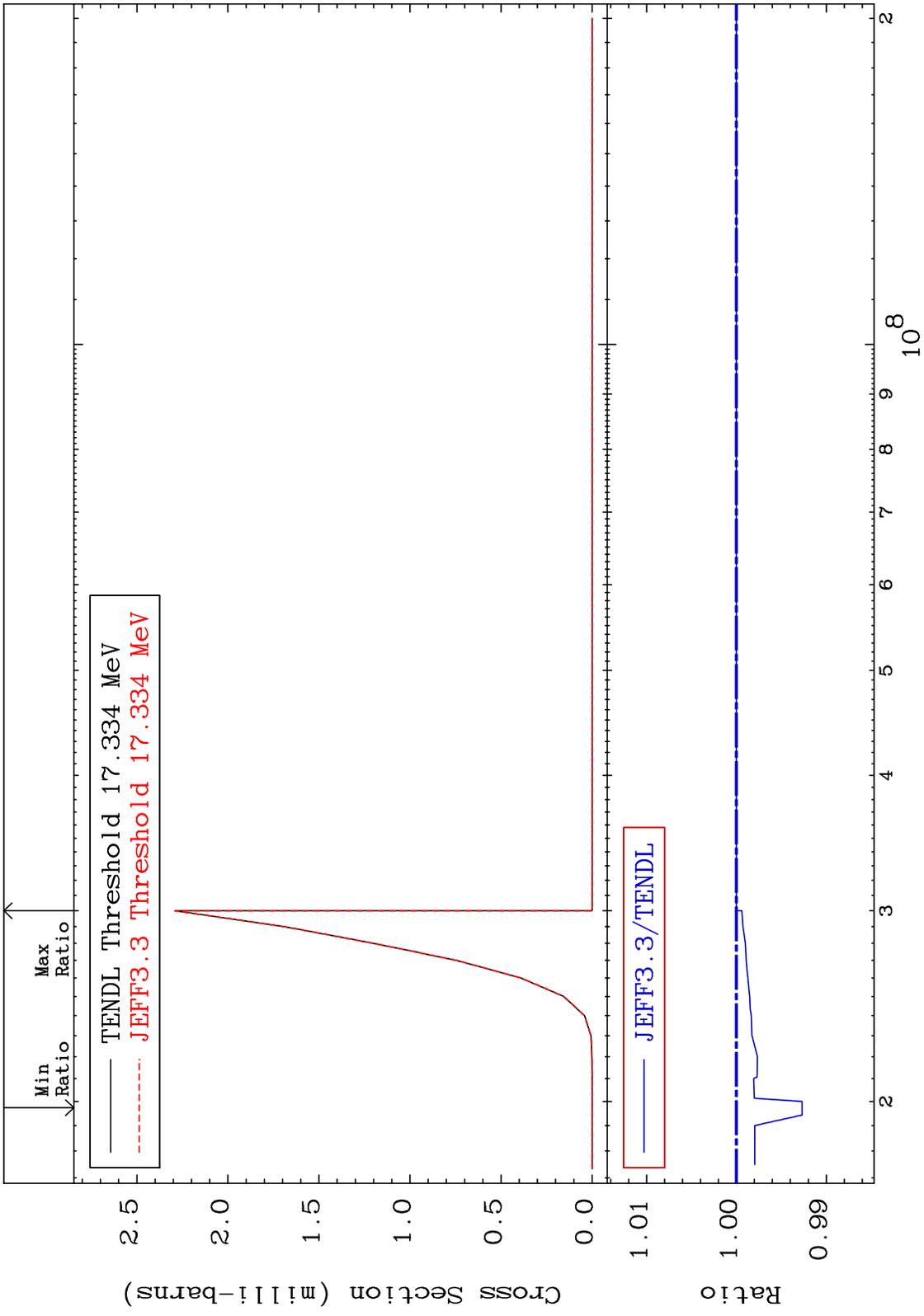
MAT 5055 (n,n') p Cross Section 50-Sn-122 -0.260 To 0.000 %



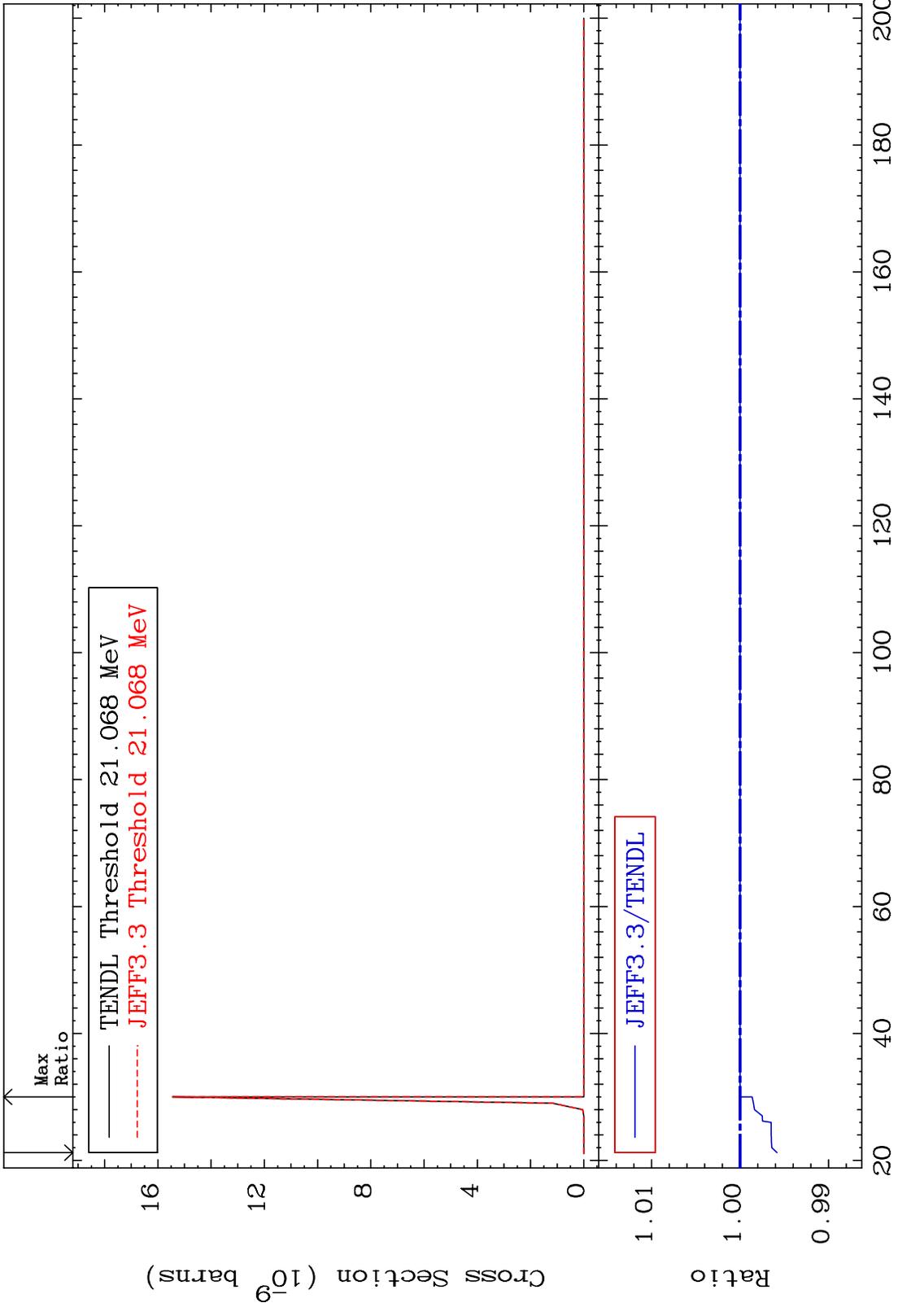
MAT 5055 (n, n') d 50-Sn-122  
 Cross Section -0.453 To 0.000 %



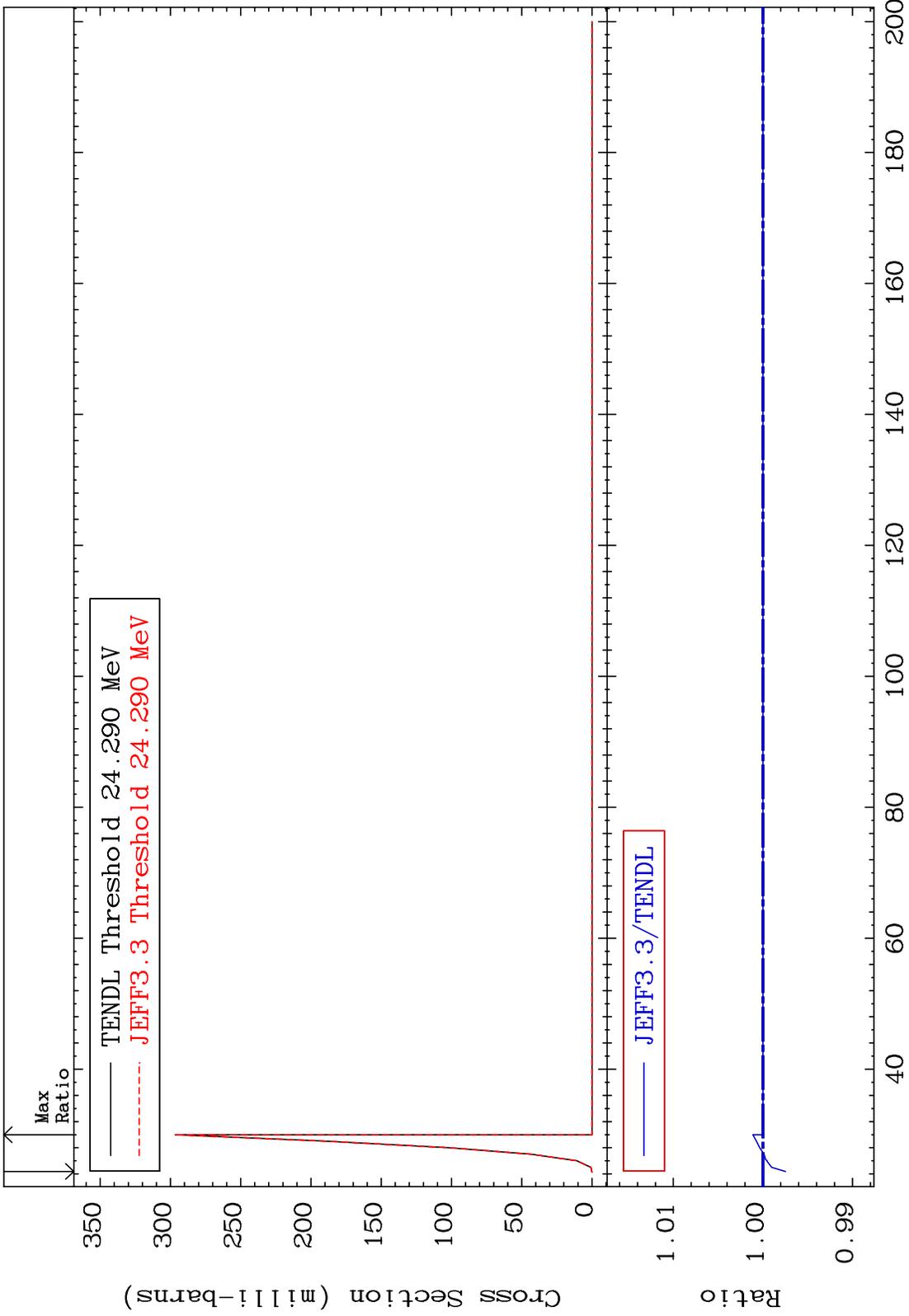
MAT 5055 (n,n') t 50-Sn-122  
 Cross Section -0.731 To 0.000 %



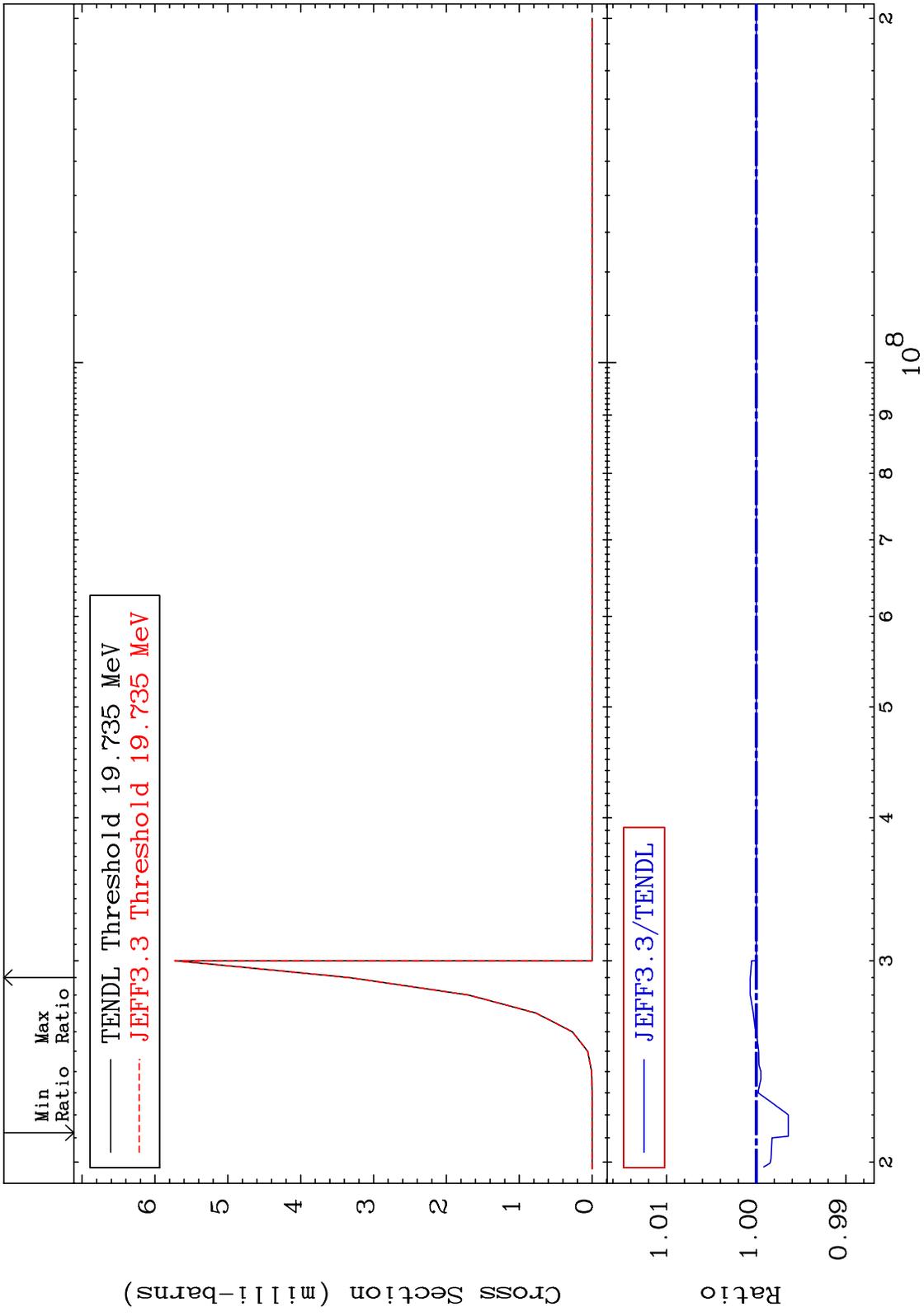
MAT 5055 (n, n') He-3 50-Sn-122  
Cross Section -0.416 To 0.000 %



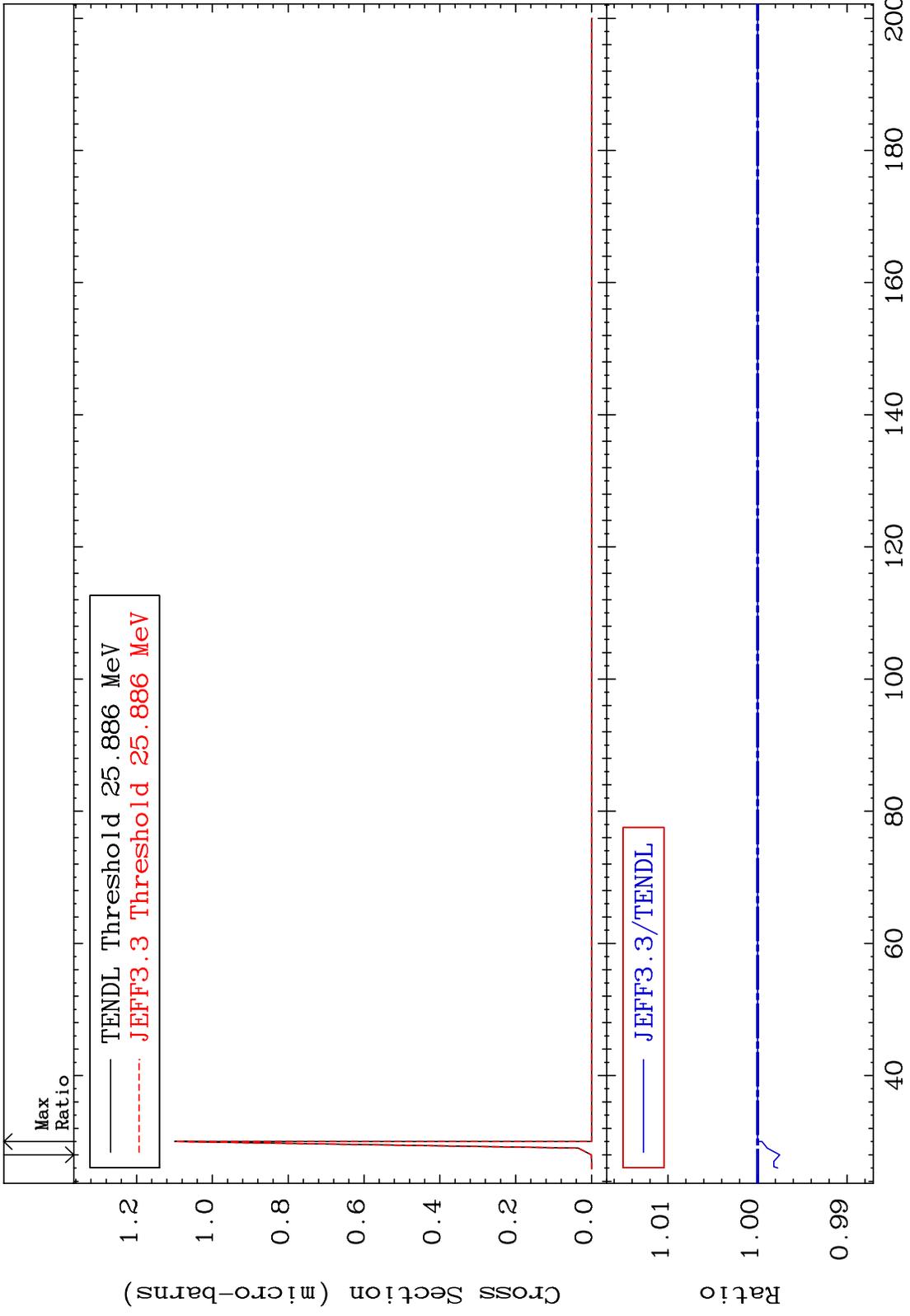
MAT 5055 (n,4n) Cross Section 50-Sn-122 -0.253 To 0.113 %



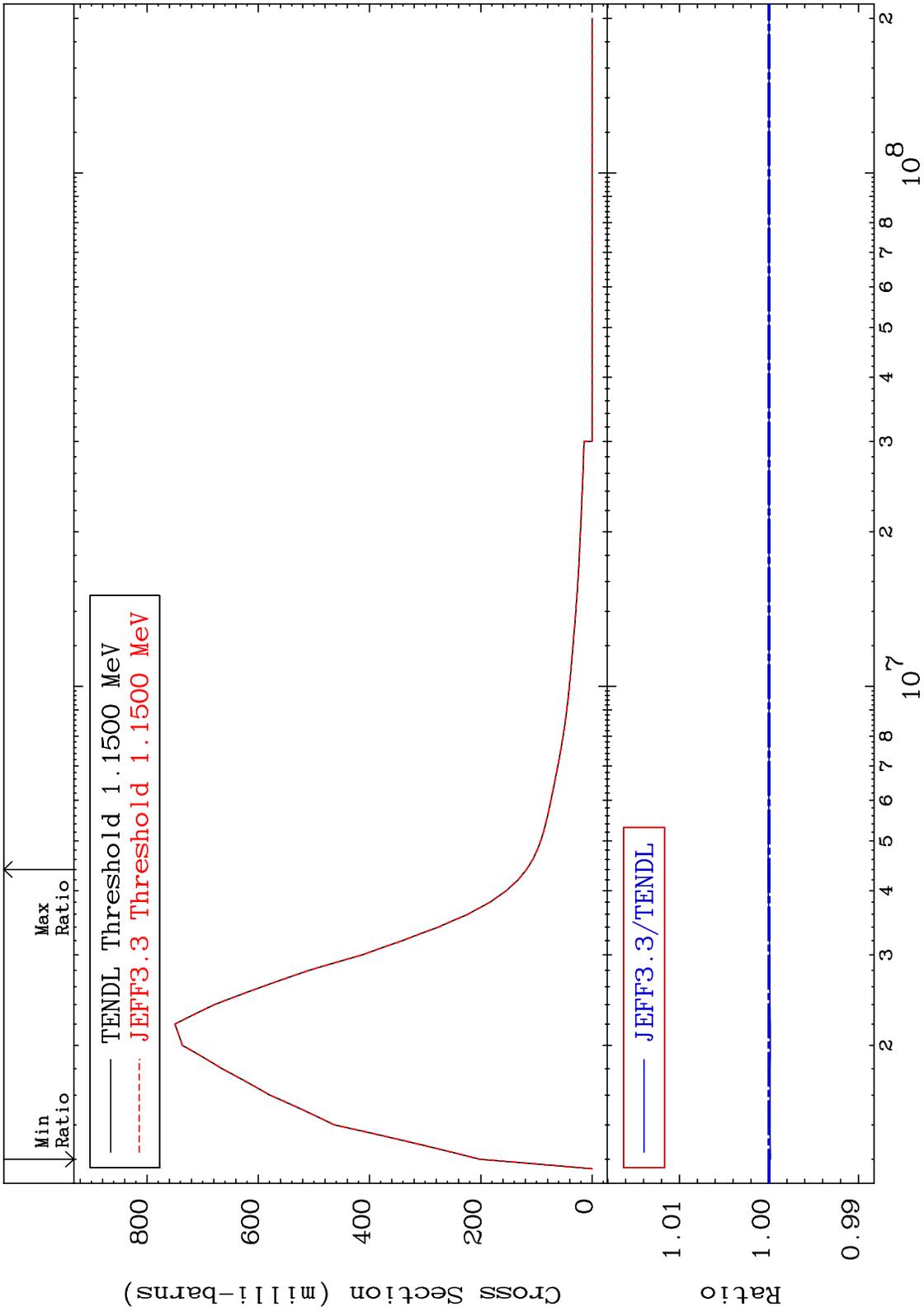
MAT 5055 (n,2n) p 50-Sn-122  
 Cross Section -0.357 To 0.067 %



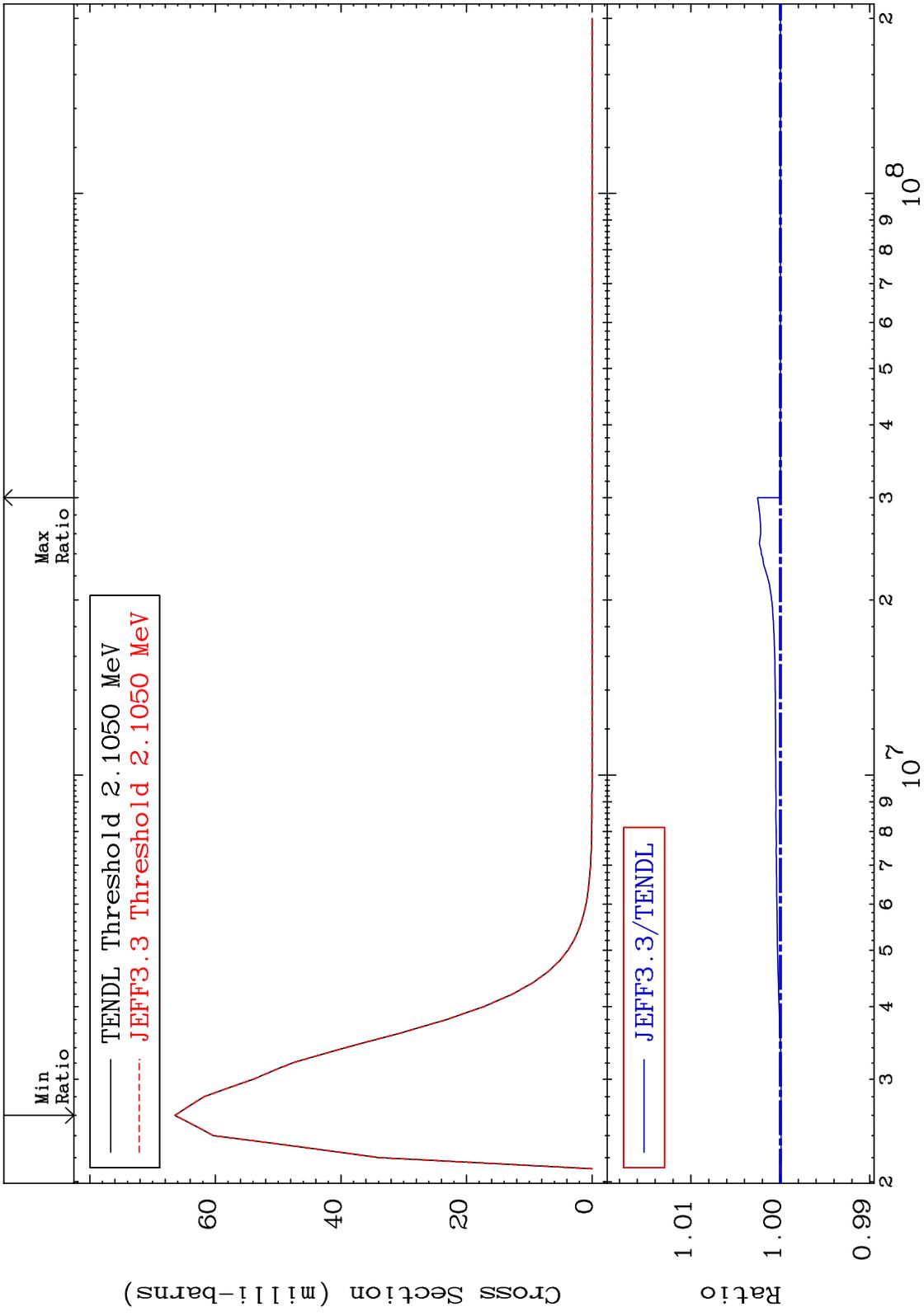
MAT 5055 (n,3n) p 50-Sn-122  
 Cross Section -0.247 To 0.000 %



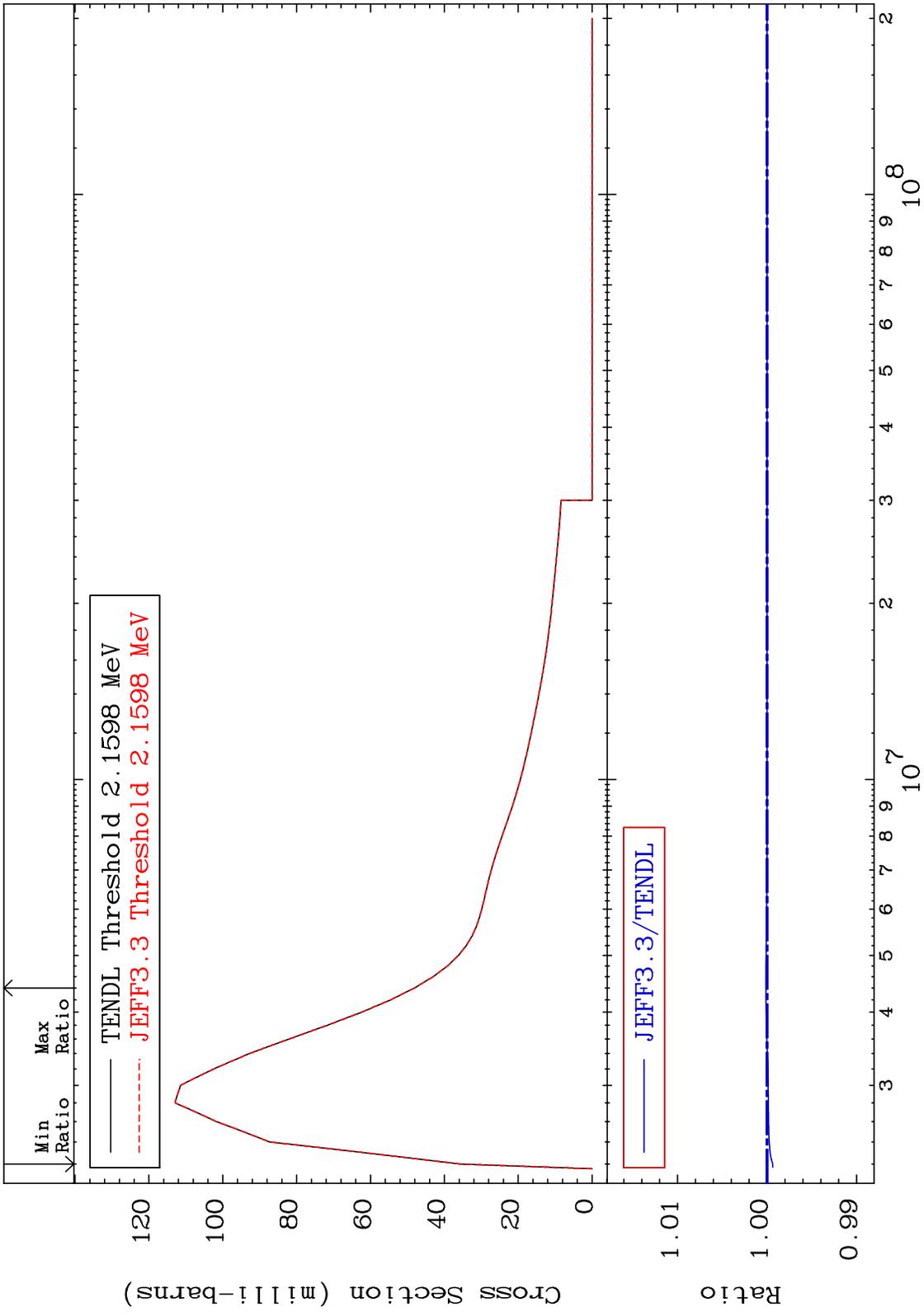
MAT 5055 MT= 51 (n,n') Level Cross Section 50-Sn-122 -0.017 To 0.009 %



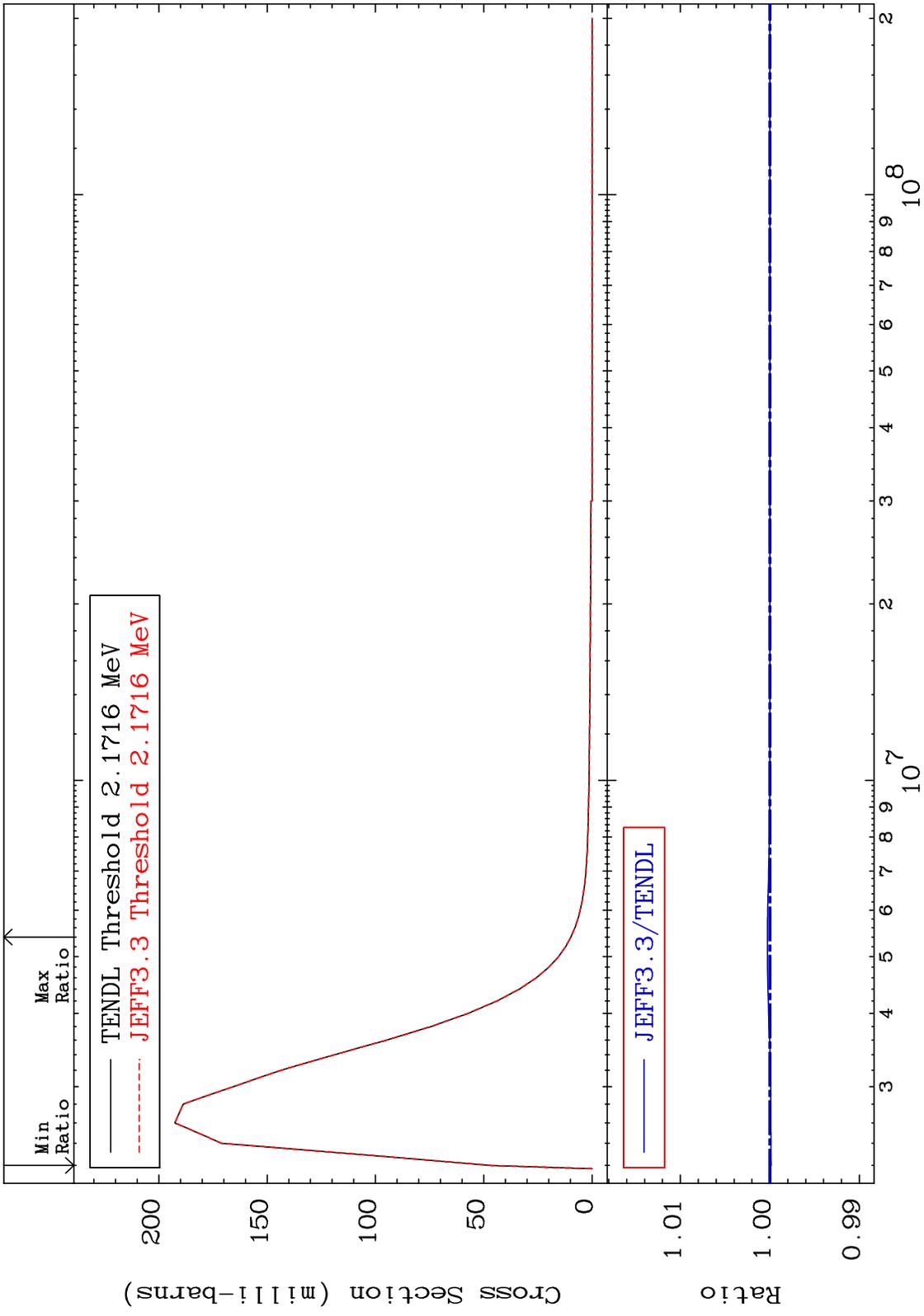
MAT 5055 MT= 52 (n,n') Level Cross Section 50-Sn-122 -0.008 To 0.255 %



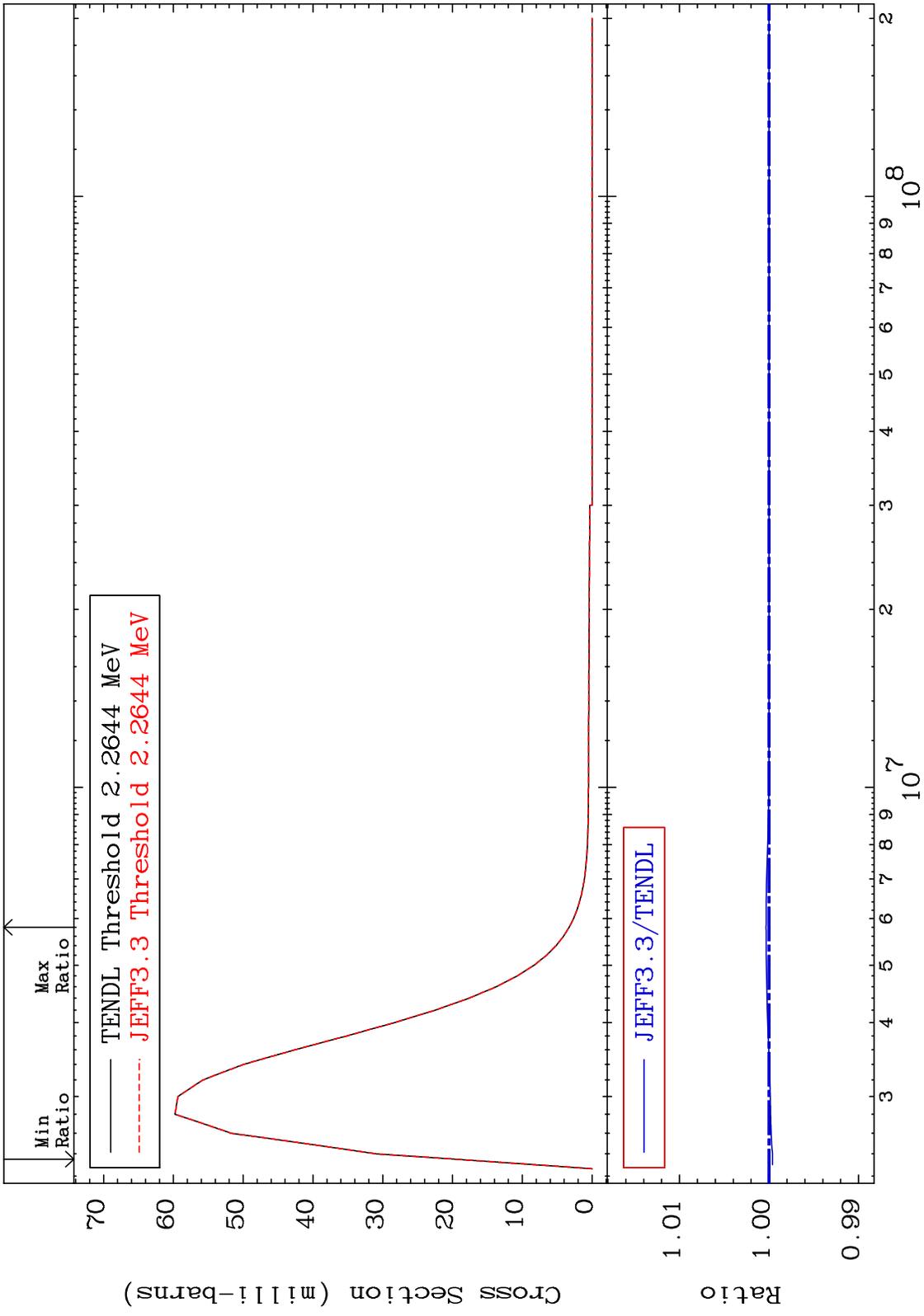
MAT 5055 MT= 53 (n,n') Level Cross Section 50-Sn-122 -0.062 To 0.013 %



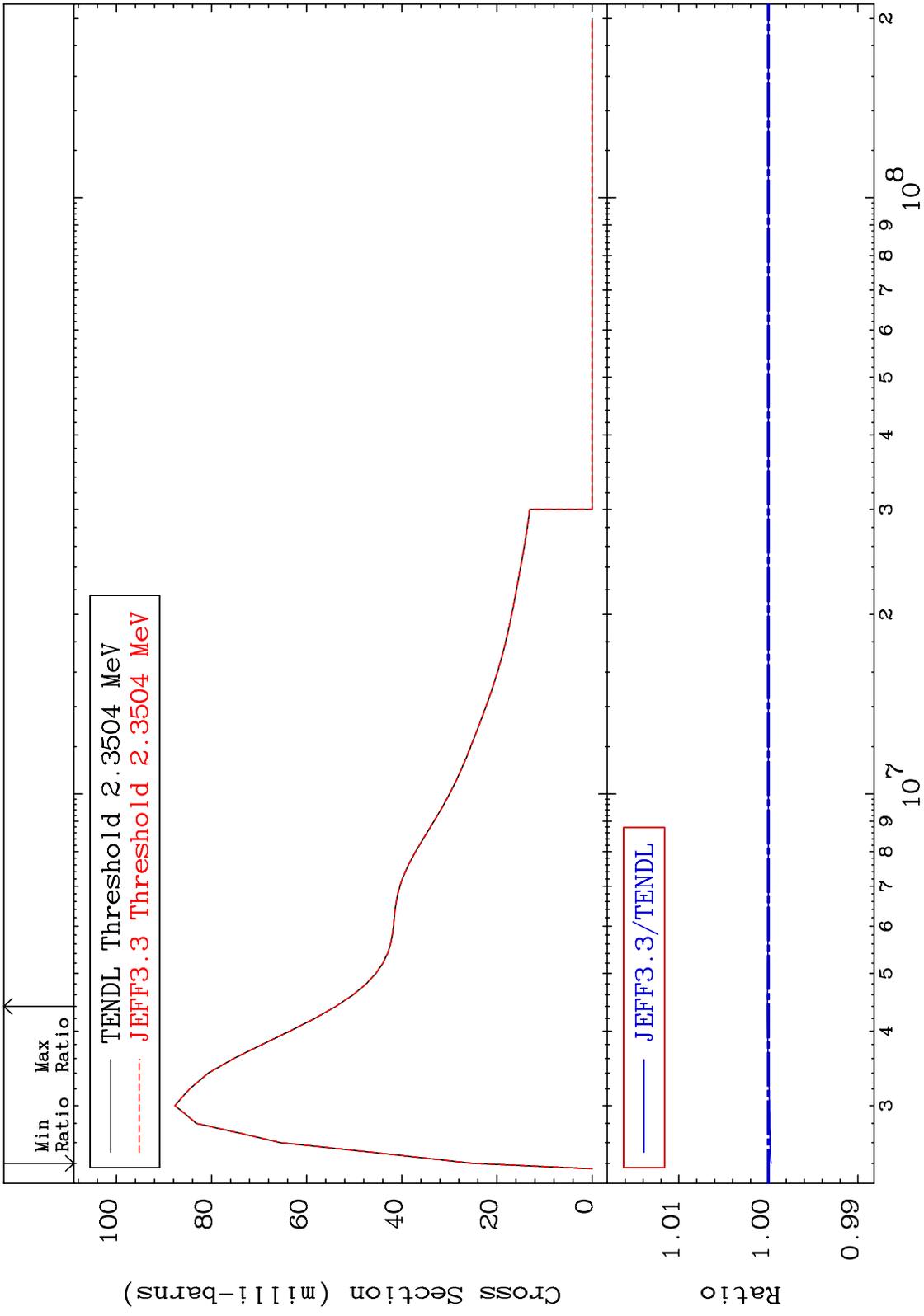
MAT 5055 MT= 54 (n,n') Level Cross Section 50-Sn-122 -0.014 To 0.028 %



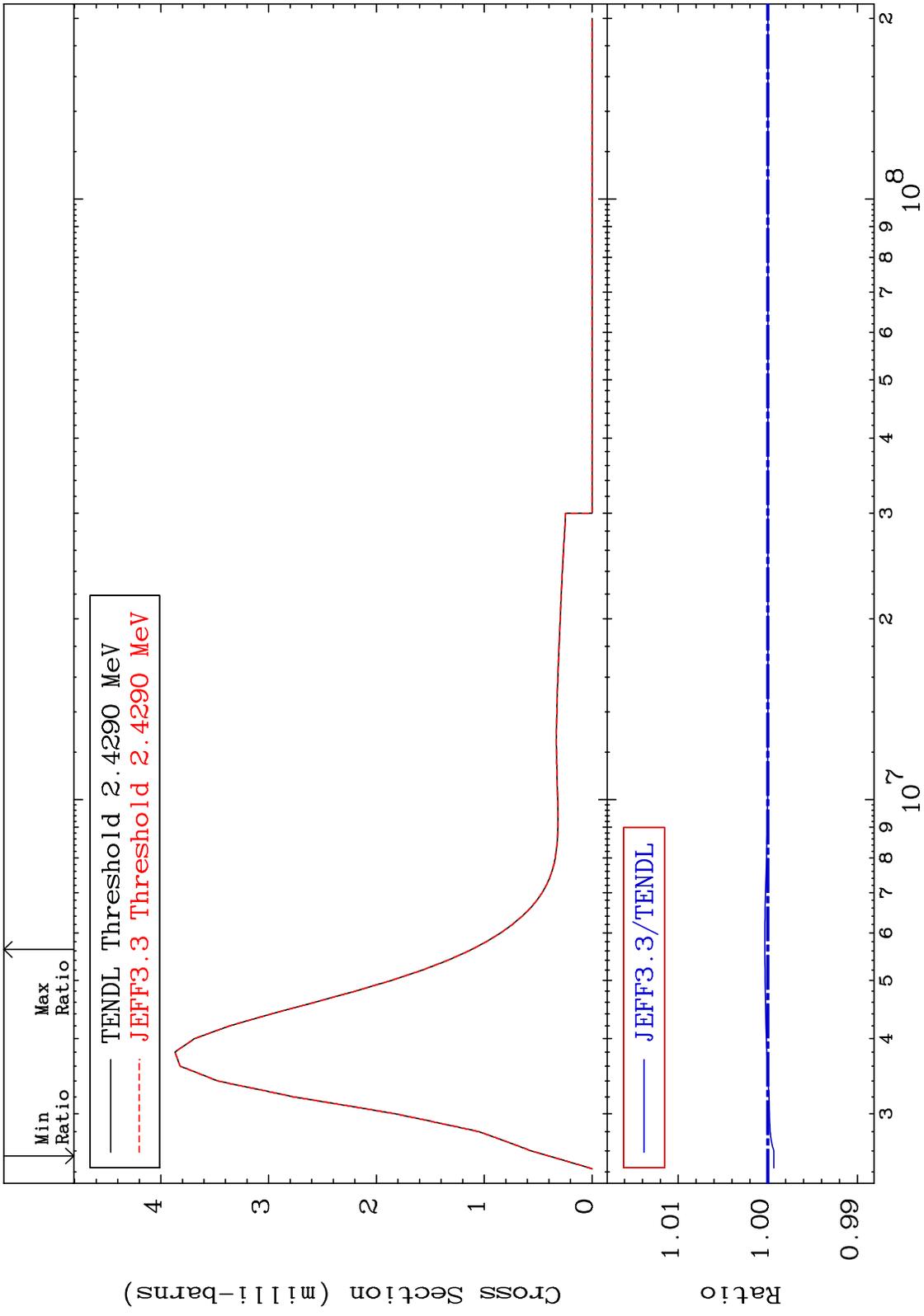
MAT 5055 MT= 55 (n,n') Level Cross Section 50-Sn-122 -0.039 To 0.034 %



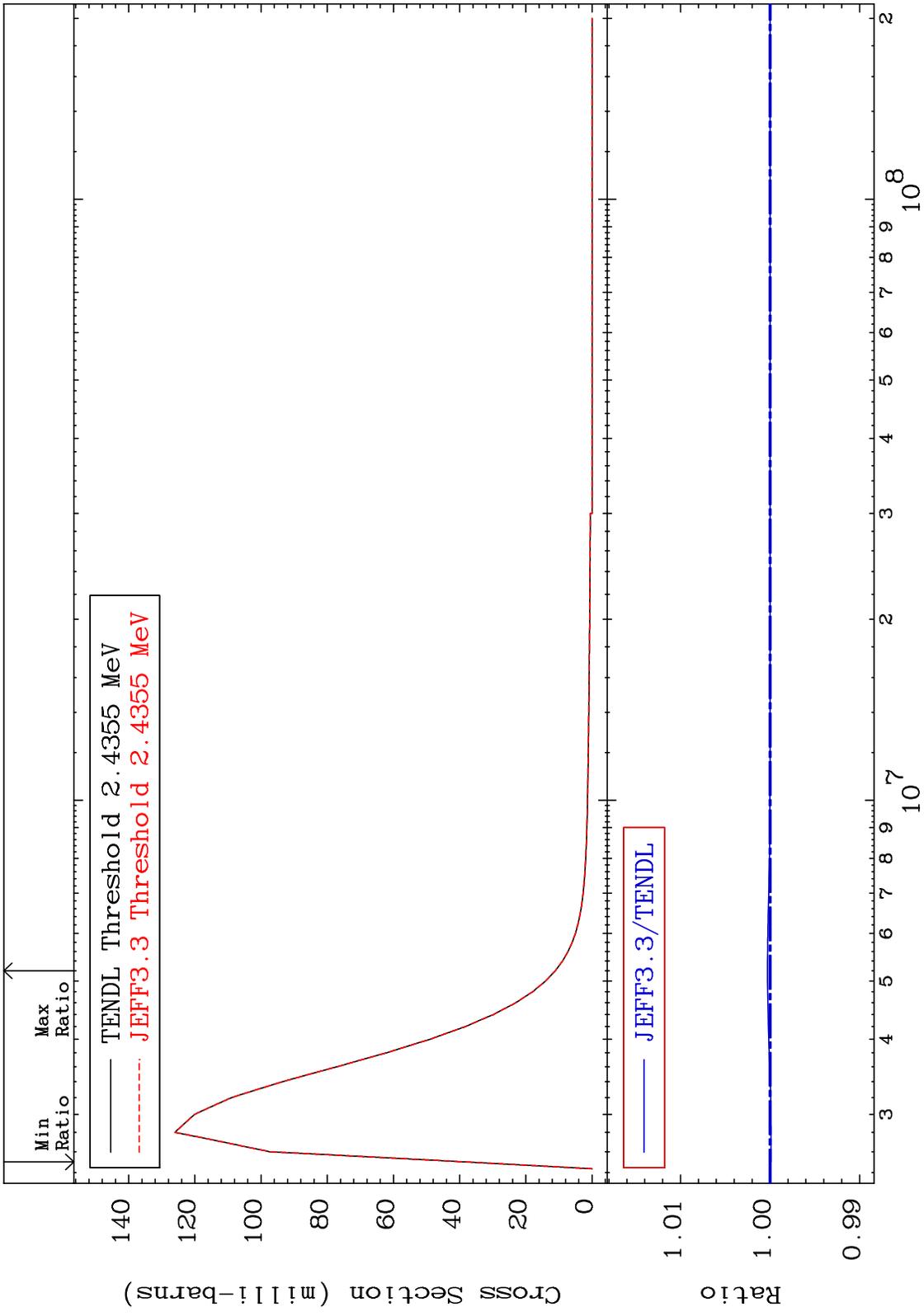
MAT 5055 MT= 56 (n,n') Level Cross Section 50-Sn-122 -0.030 To 0.011 %



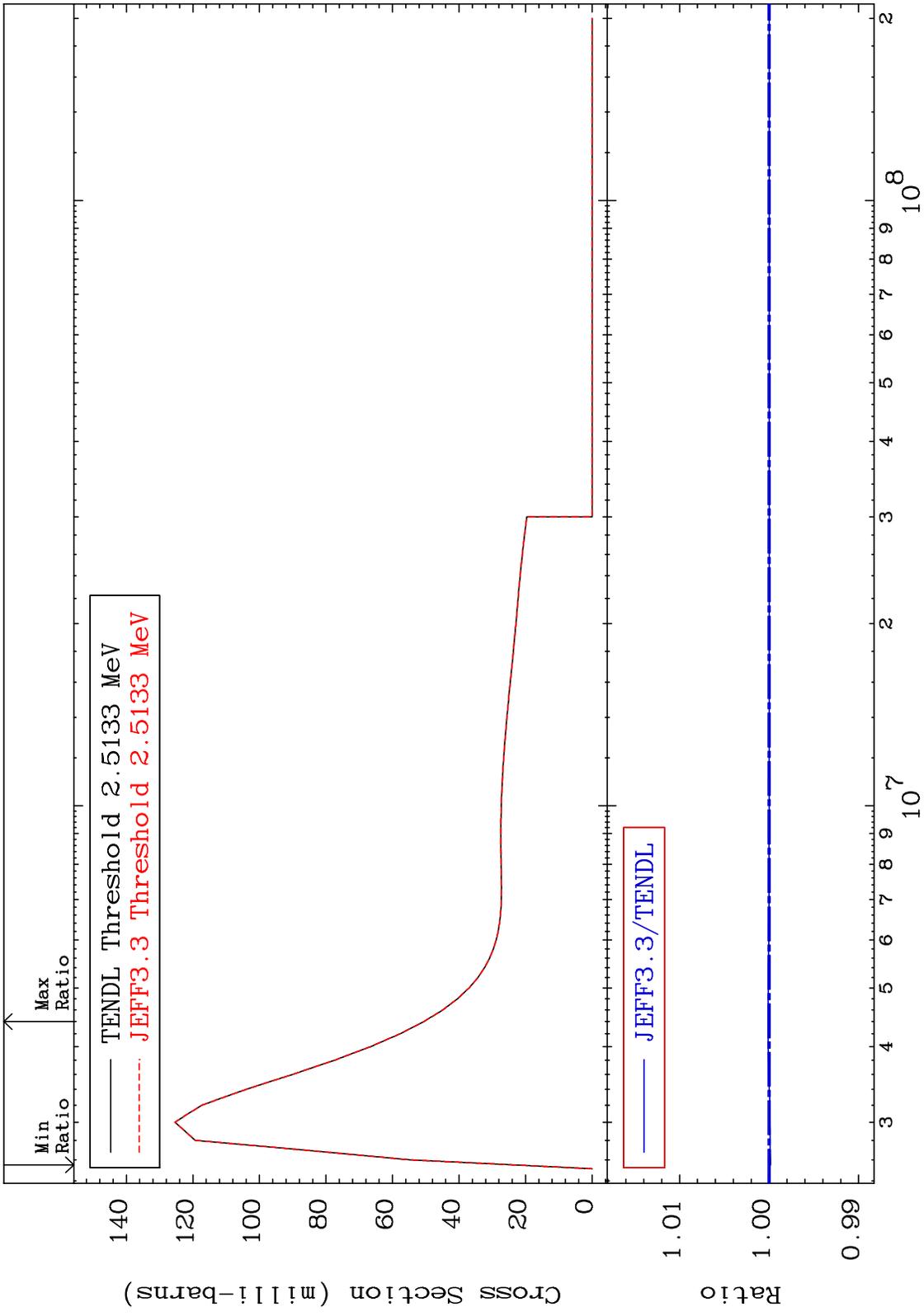
MAT 5055 MT= 57 (n,n') Level Cross Section 50-Sn-122 -0.066 To 0.033 %



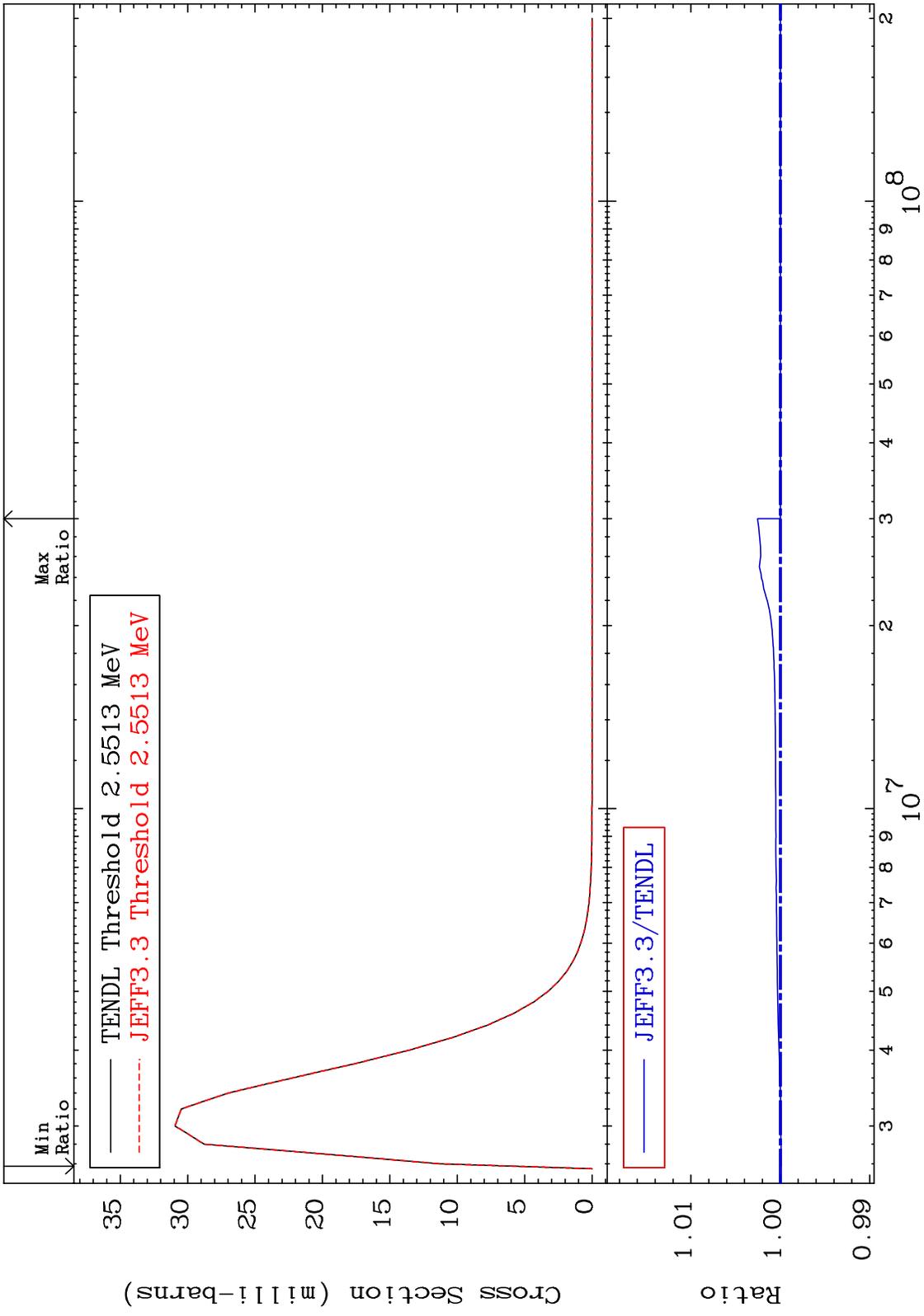
MAT 5055 MT= 58 (n,n') Level Cross Section 50-Sn-122 -0.011 To 0.028 %



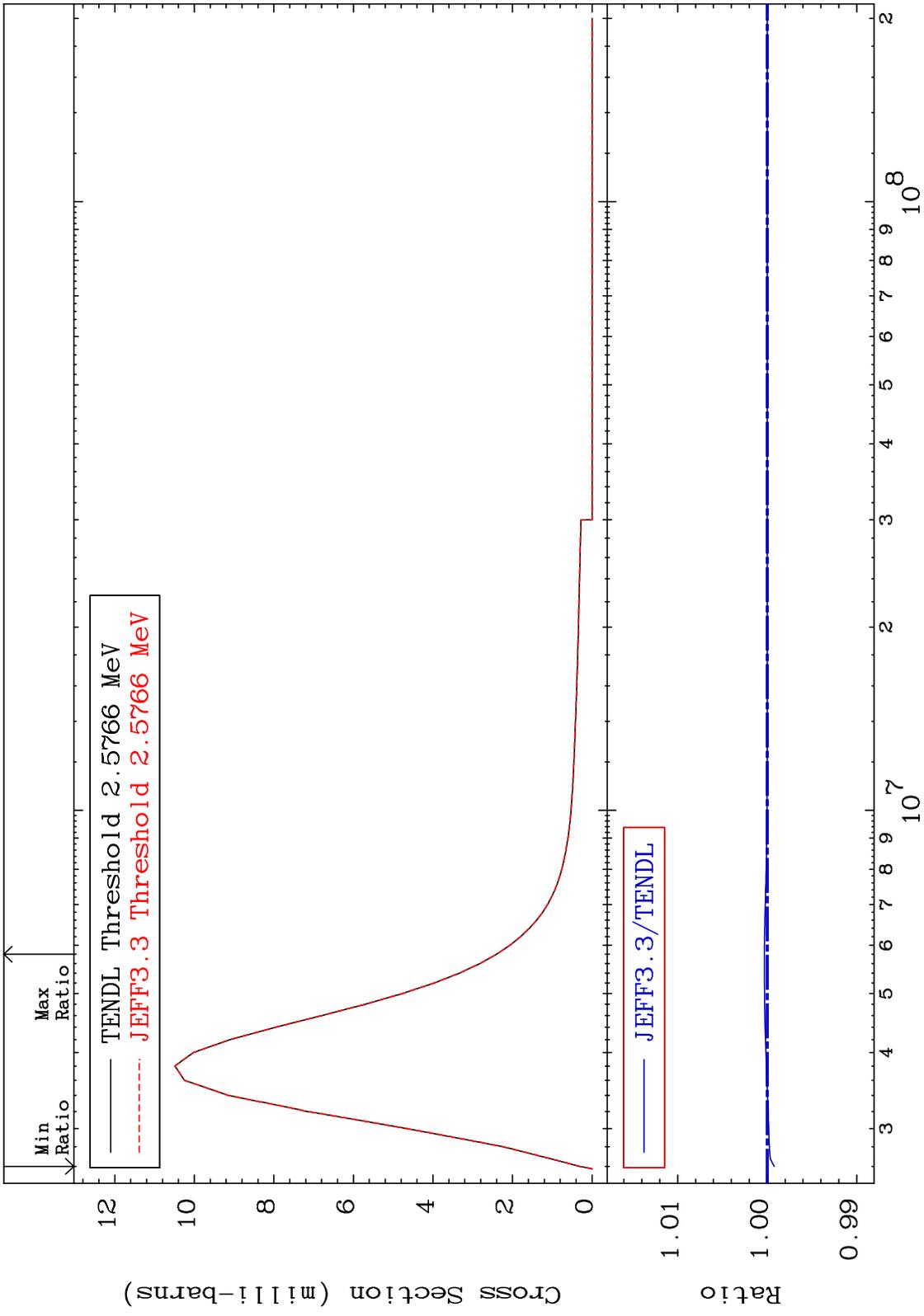
MAT 5055 MT= 59 (n,n') Level Cross Section 50-Sn-122  
 -0.016 To 0.012 %



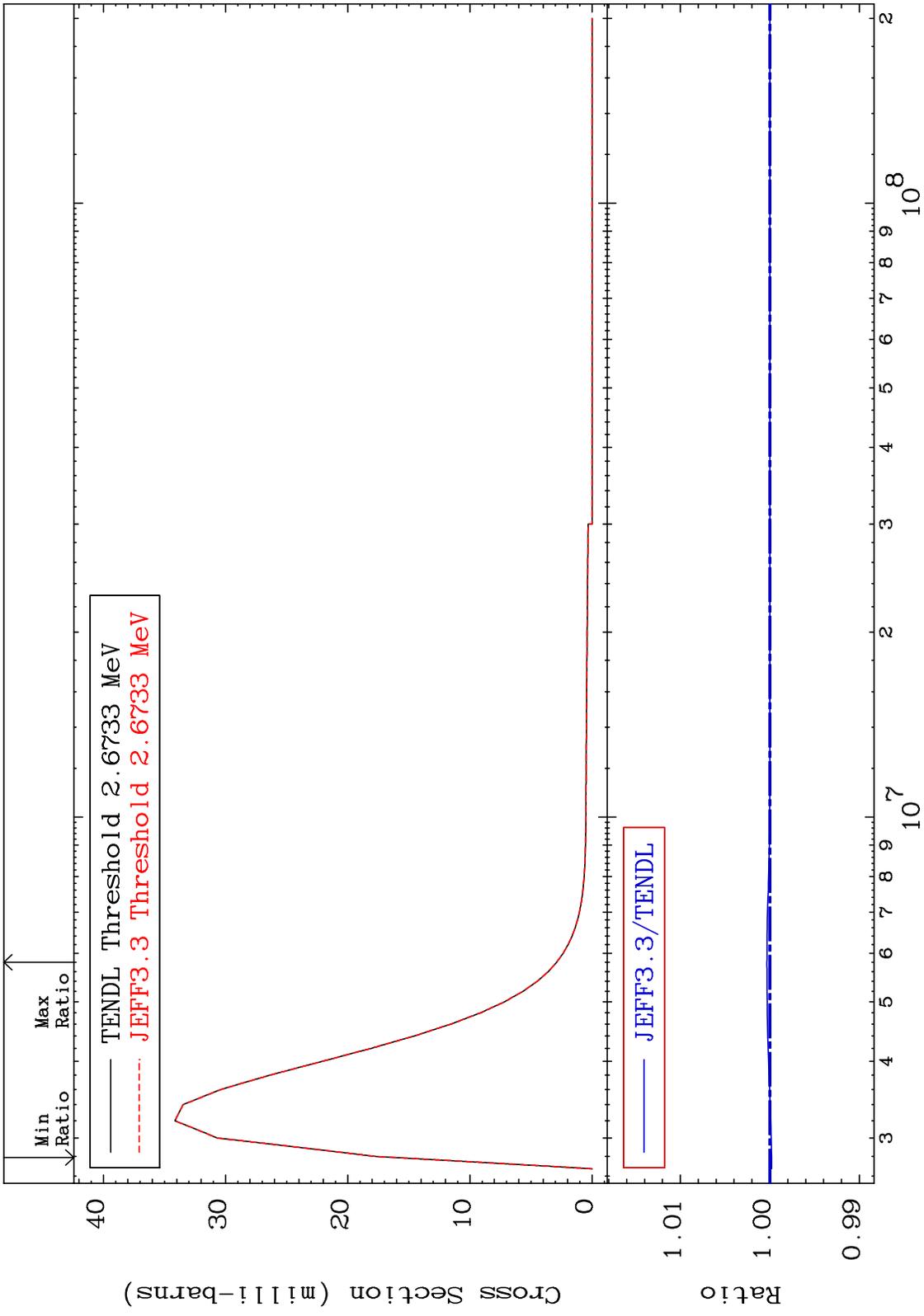
MAT 5055 MT= 60 (n,n') Level Cross Section 50-Sn-122  
 -0.008 To 0.255 %



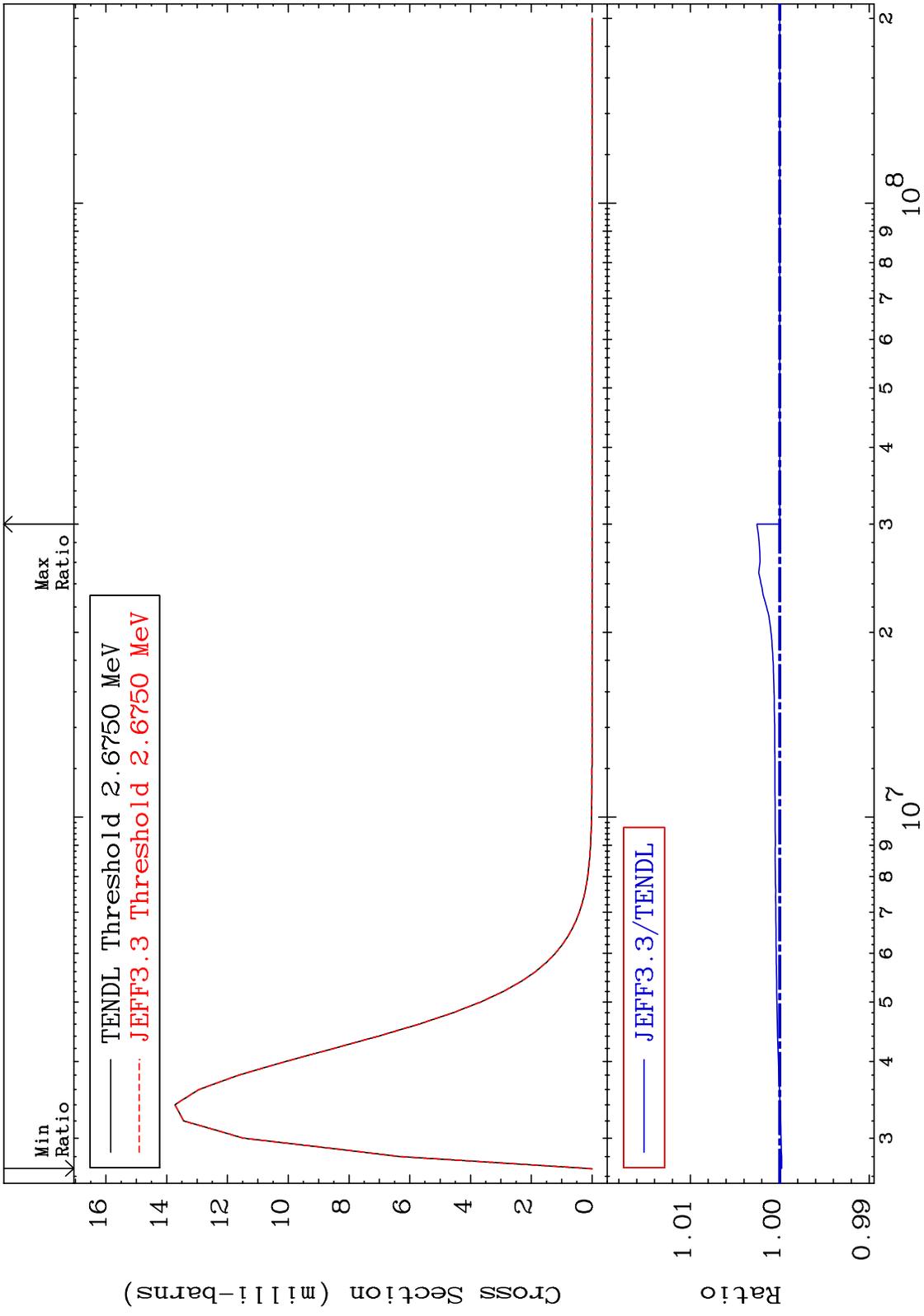
MAT 5055 MT= 61 (n,n') Level Cross Section 50-Sn-122 -0.078 To 0.032 %



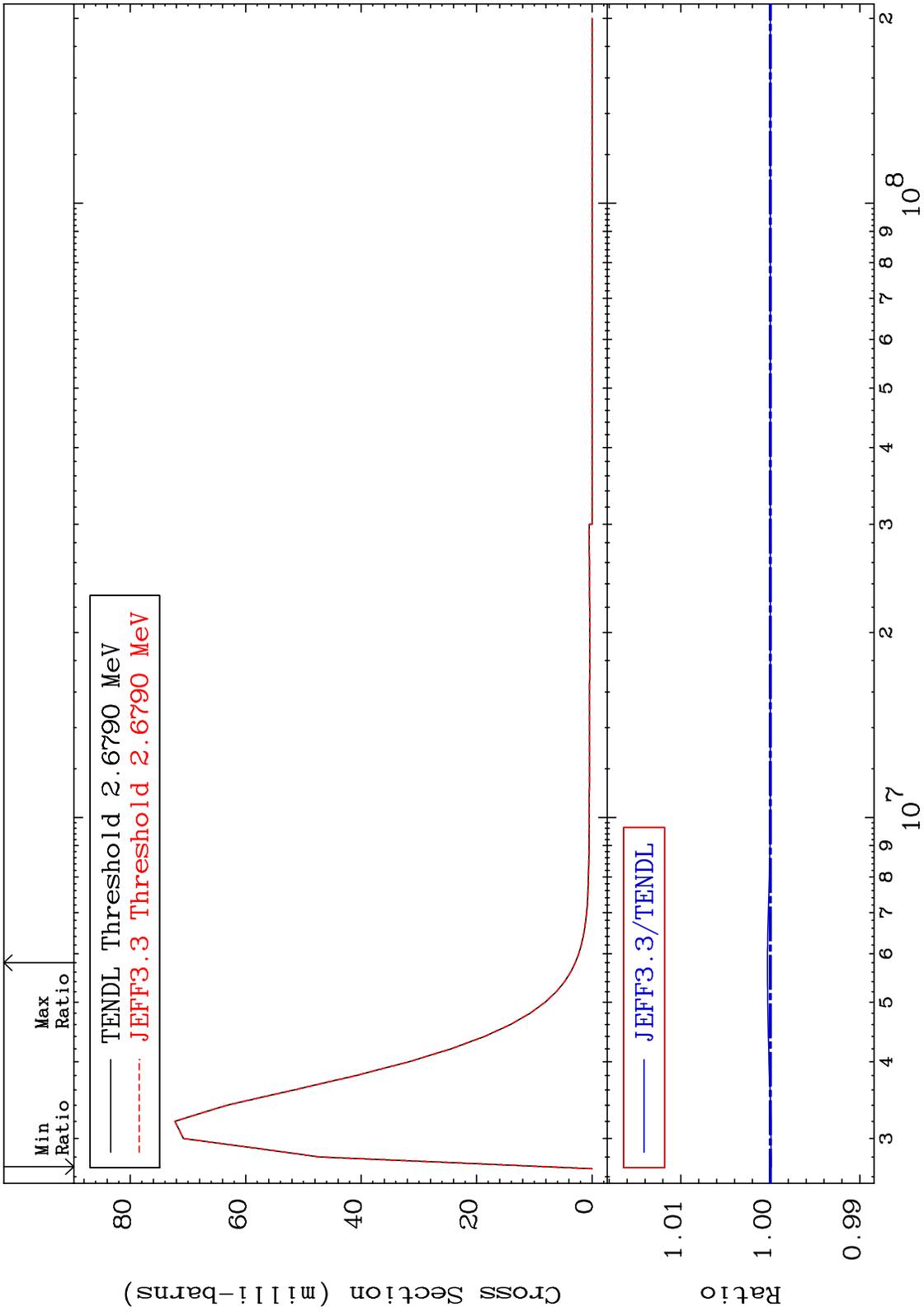
MAT 5055 MT= 62 (n,n') Level Cross Section 50-Sn-122 -0.020 To 0.033 %



MAT 5055 MT= 63 (n, n') Level Cross Section 50-Sn-122 -0.021 To 0.255 %

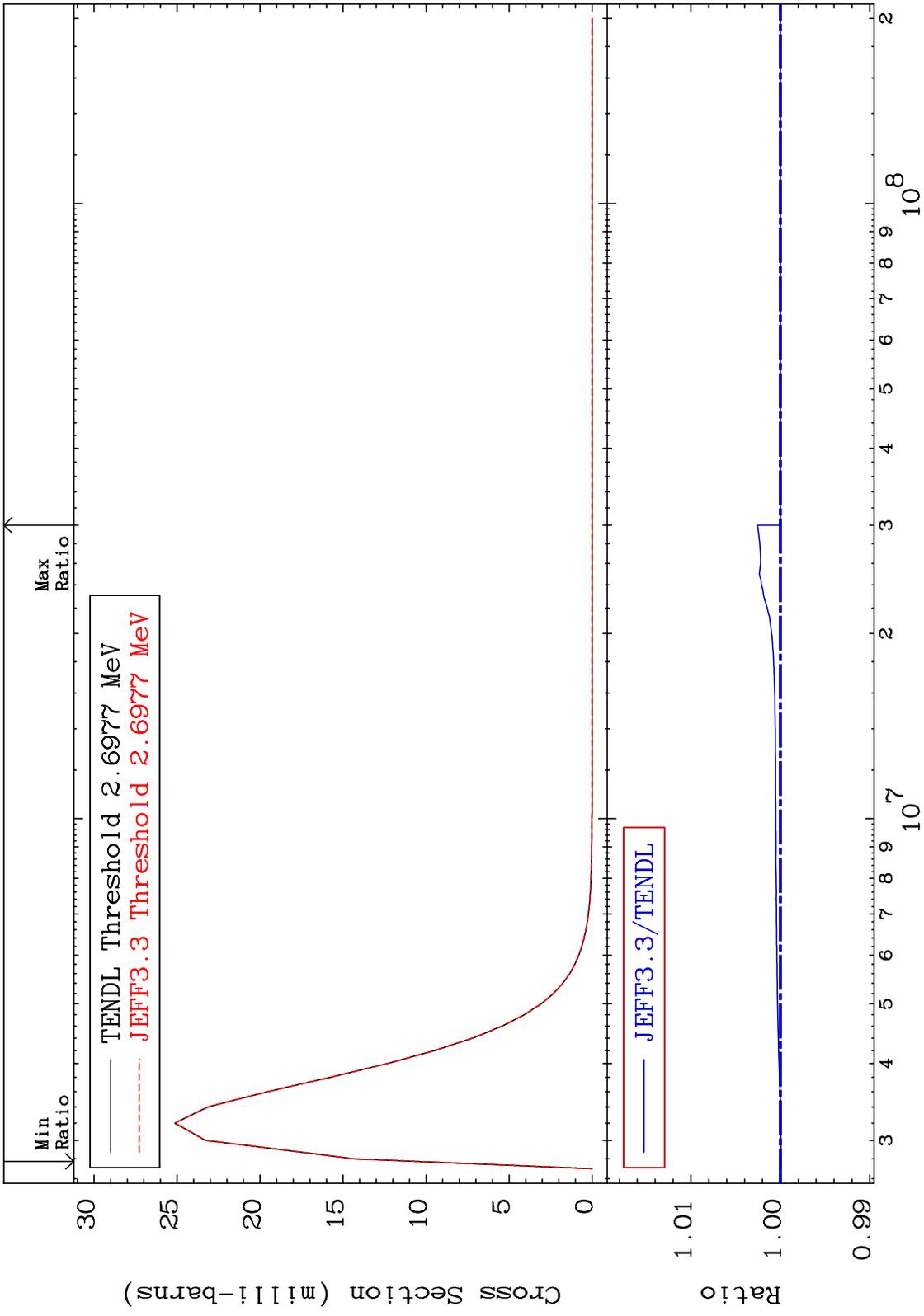


MAT 5055 MT= 64 (n,n') Level Cross Section 50-Sn-122 -0.009 To 0.032 %

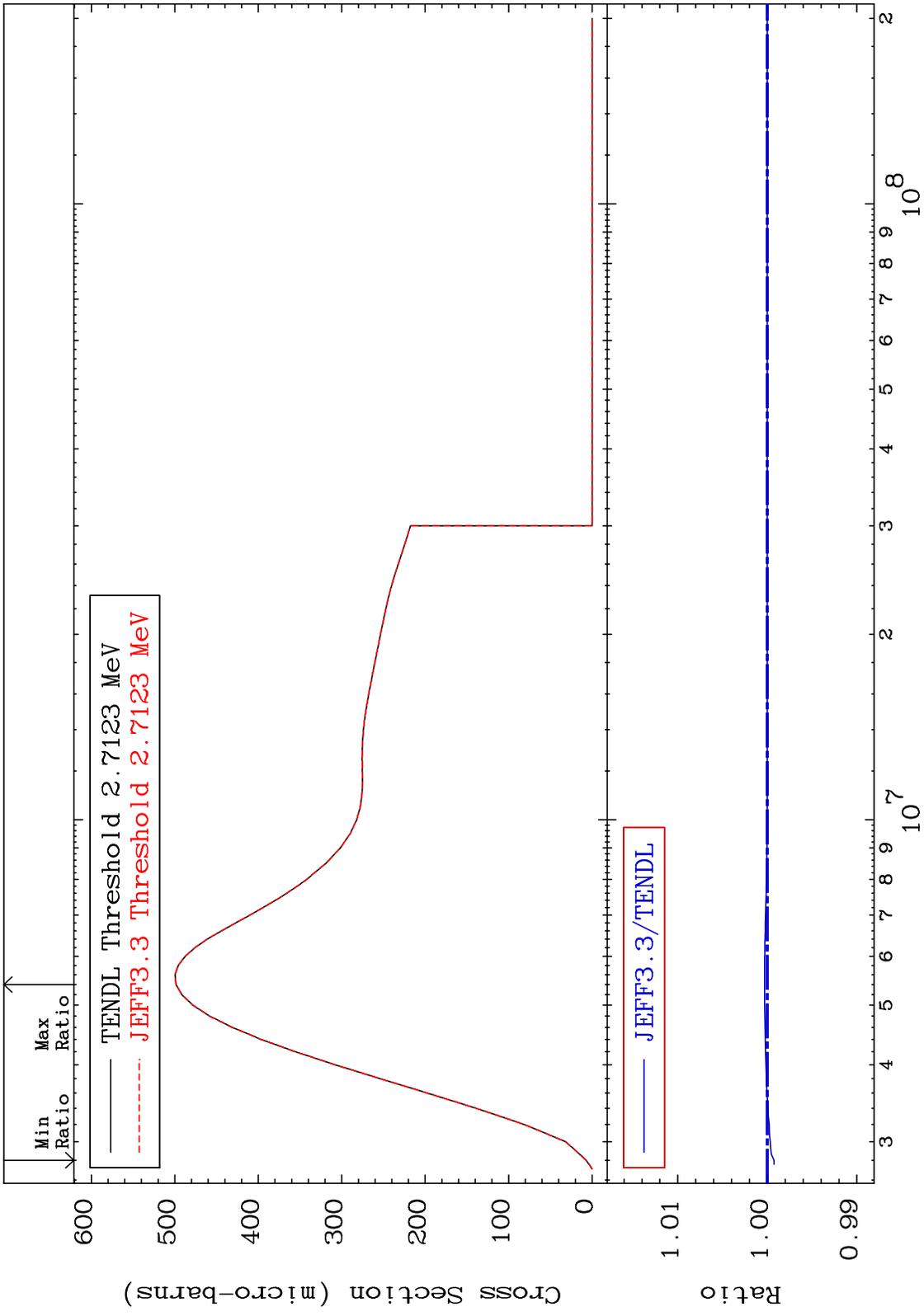


30 Incident Energy (eV) 50-Sn-122

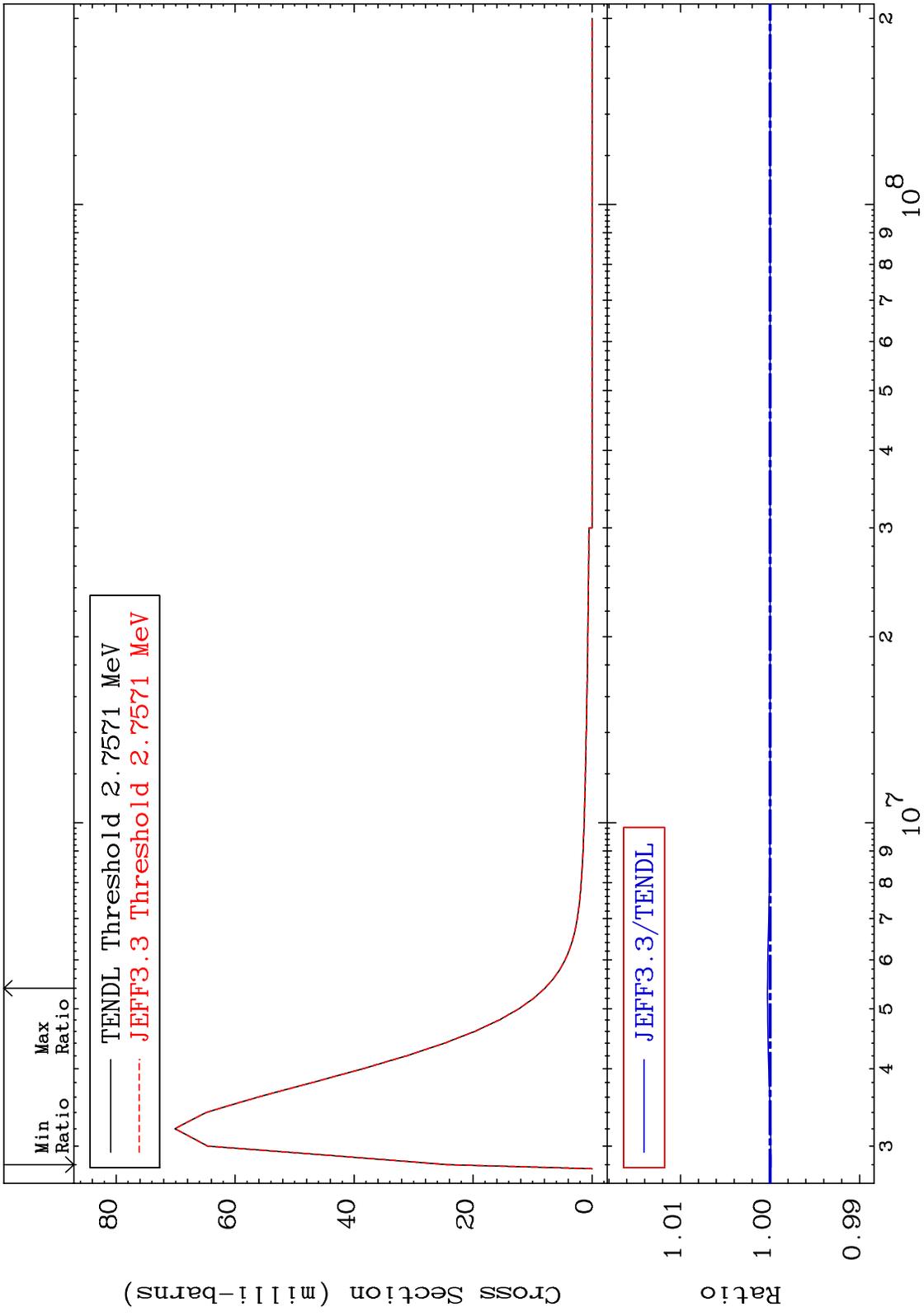
MAT 5055 MT= 65 (n,n') Level Cross Section 50-Sn-122 -0.007 To 0.255 %



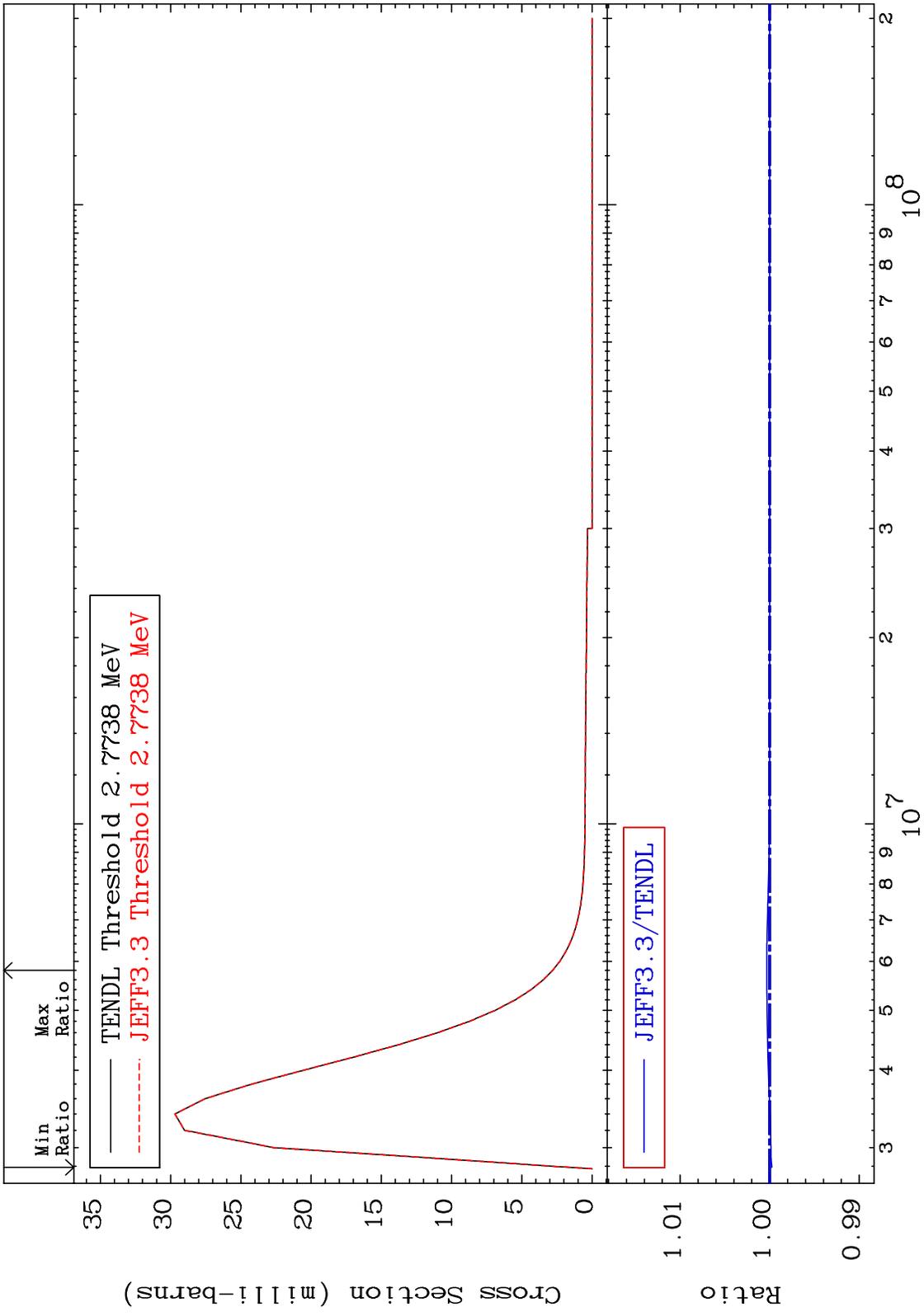
MAT 5055 MT= 66 (n,n') Level Cross Section 50-Sn-122 -0.075 To 0.031 %



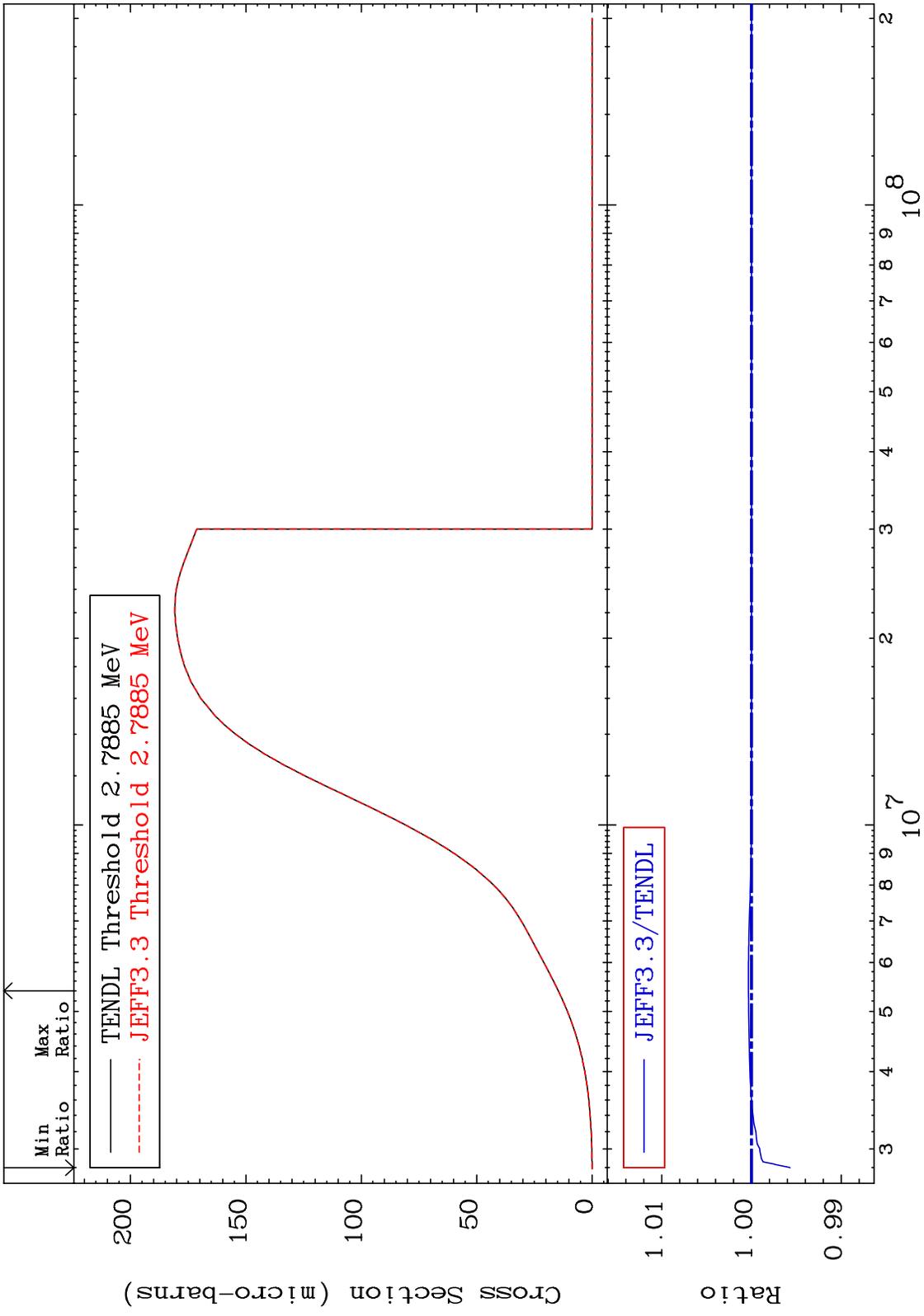
MAT 5055 MT= 67 (n,n') Level Cross Section 50-Sn-122 -0.011 To 0.028 %



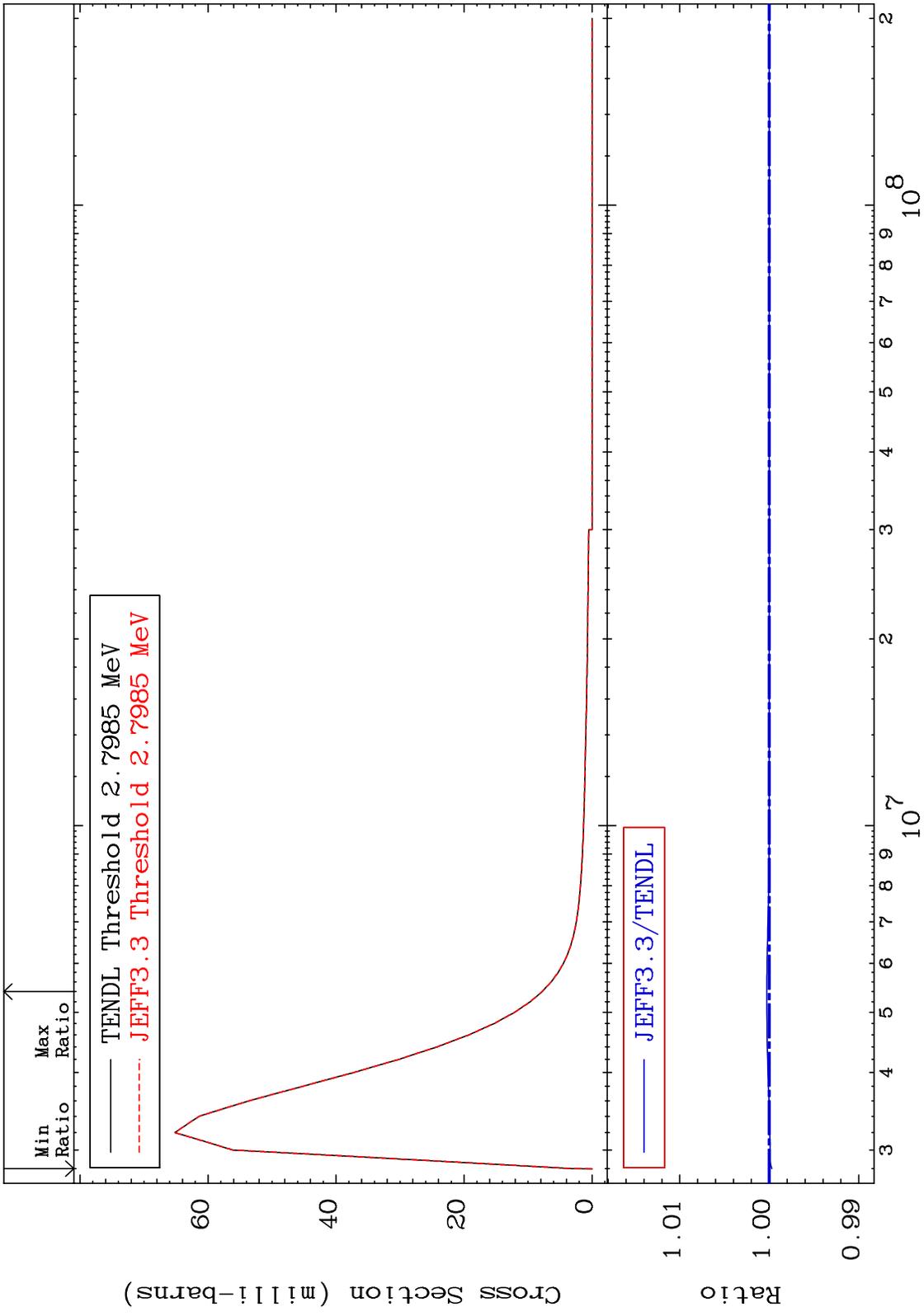
MAT 5055 MT= 68 (n,n') Level Cross Section 50-Sn-122 -0.024 To 0.033 %



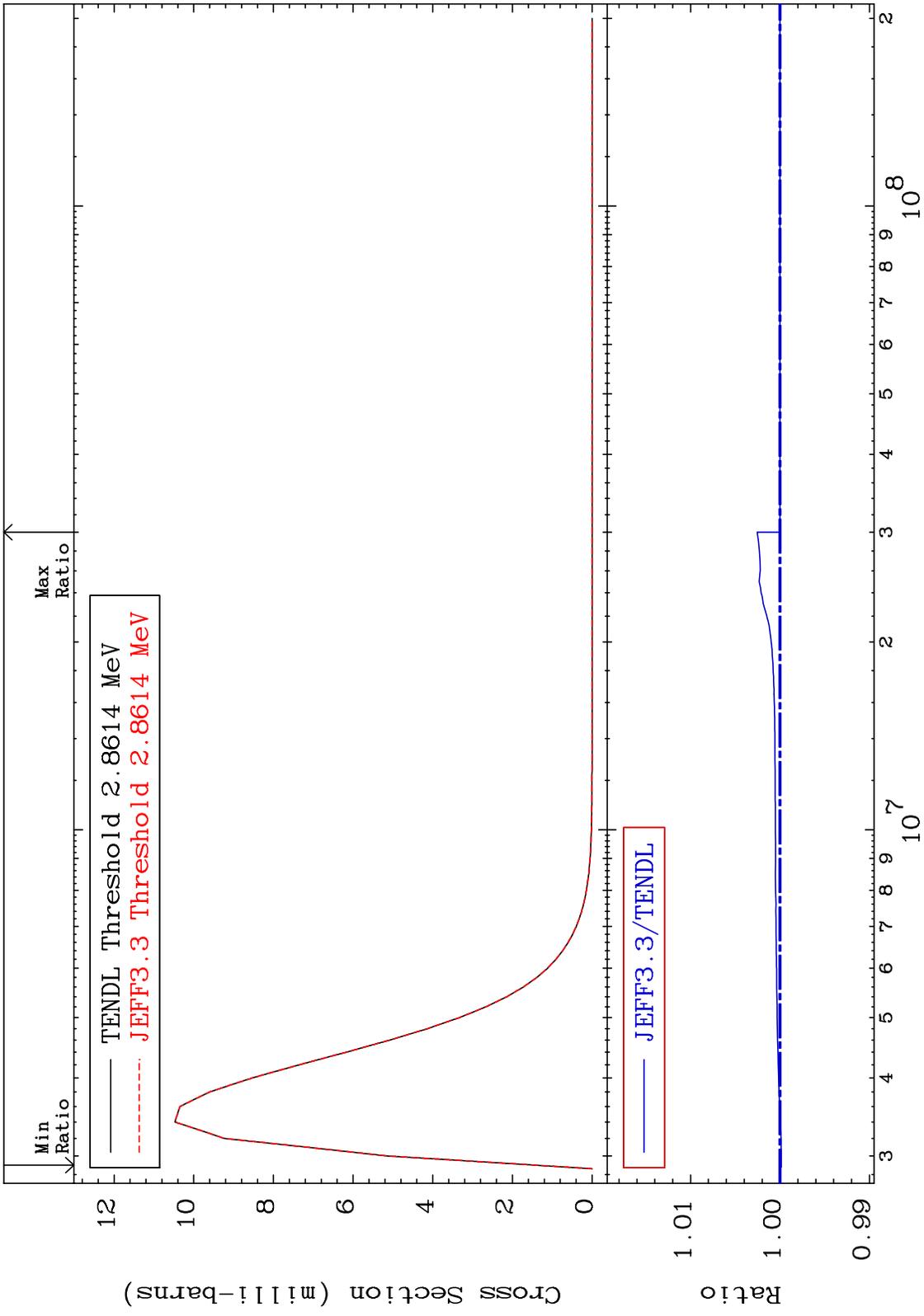
MAT 5055 MT= 69 (n,n') Level Cross Section 50-Sn-122 -0.430 To 0.034 %



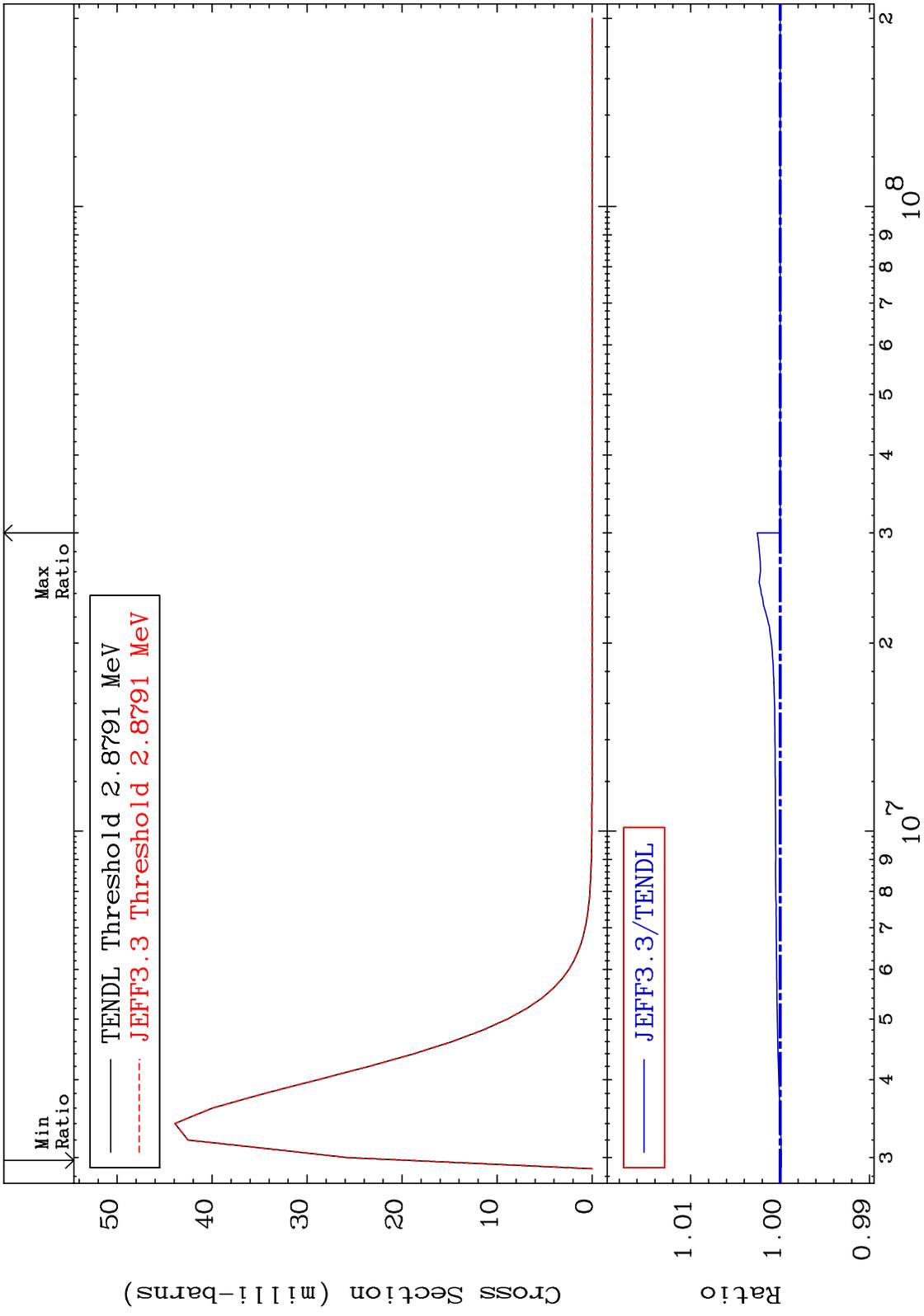
MAT 5055 MT= 70 (n,n') Level Cross Section 50-Sn-122 -0.028 To 0.028 %



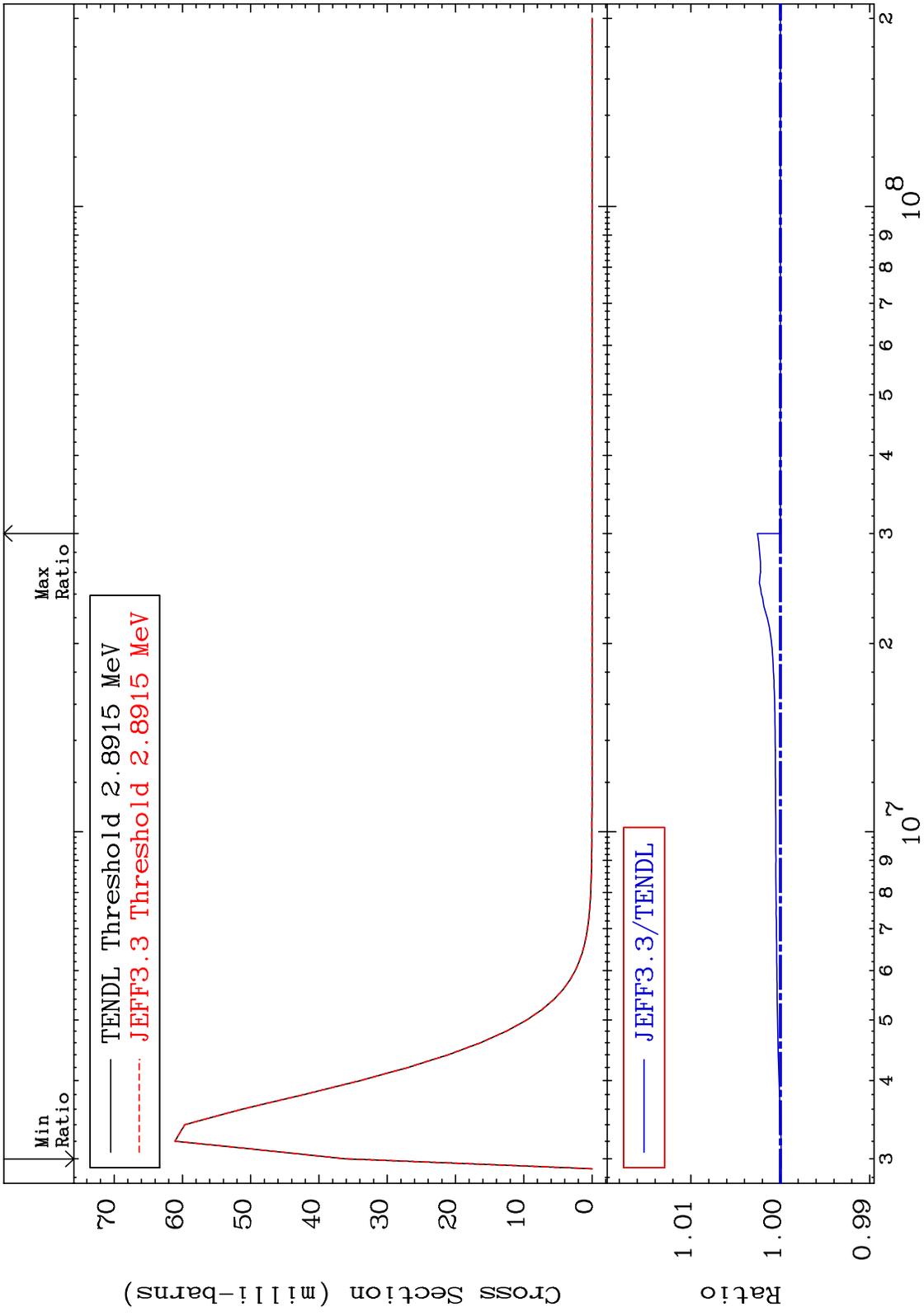
MAT 5055 MT= 71 (n,n') Level Cross Section 50-Sn-122  
 -0.015 To 0.255 %



MAT 5055 MT= 72 (n,n') Level Cross Section 50-Sn-122  
 -0.013 To 0.256 %

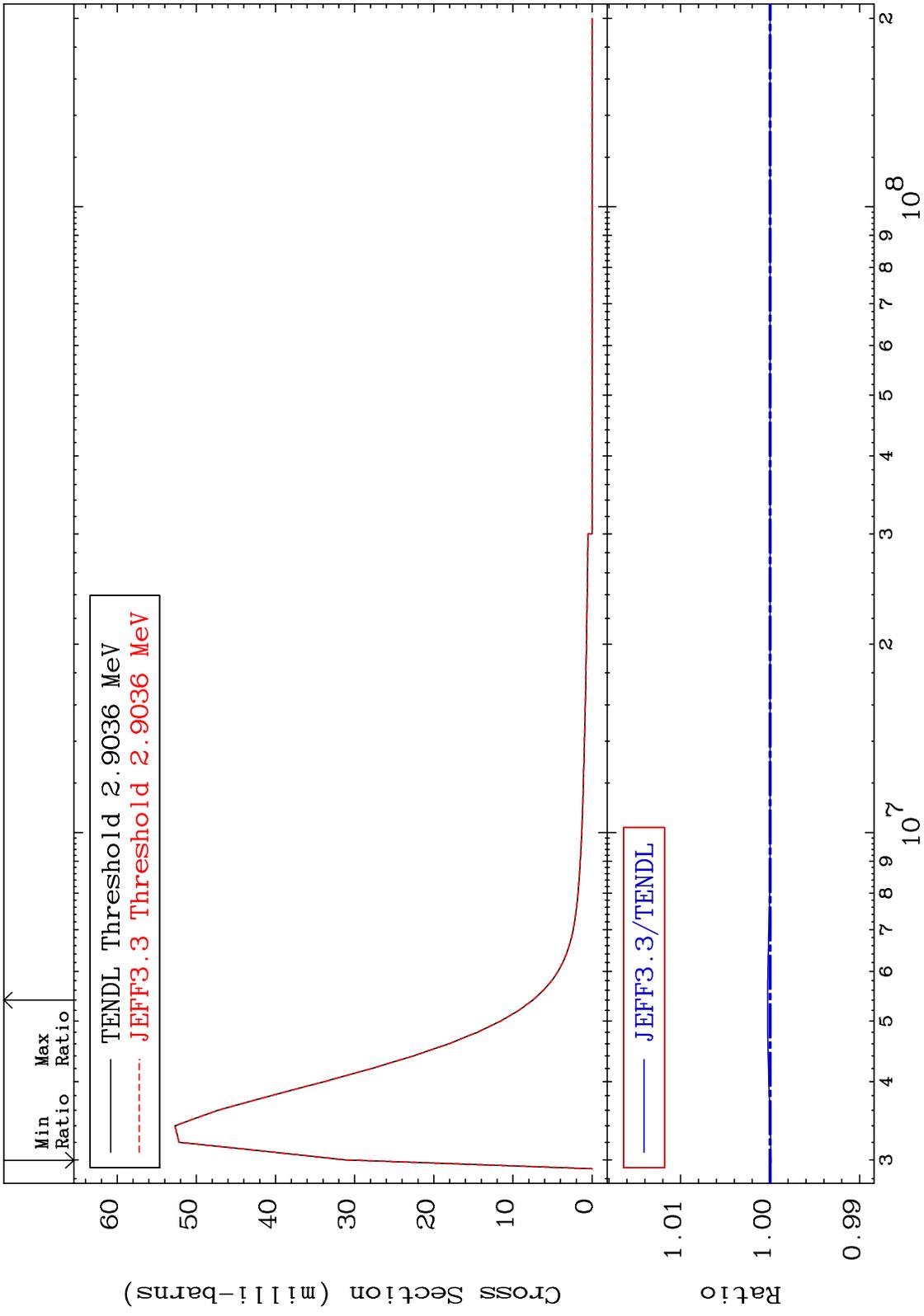


MAT 5055 MT= 73 (n,n') Level Cross Section 50-Sn-122  
 -0.009 To 0.255 %



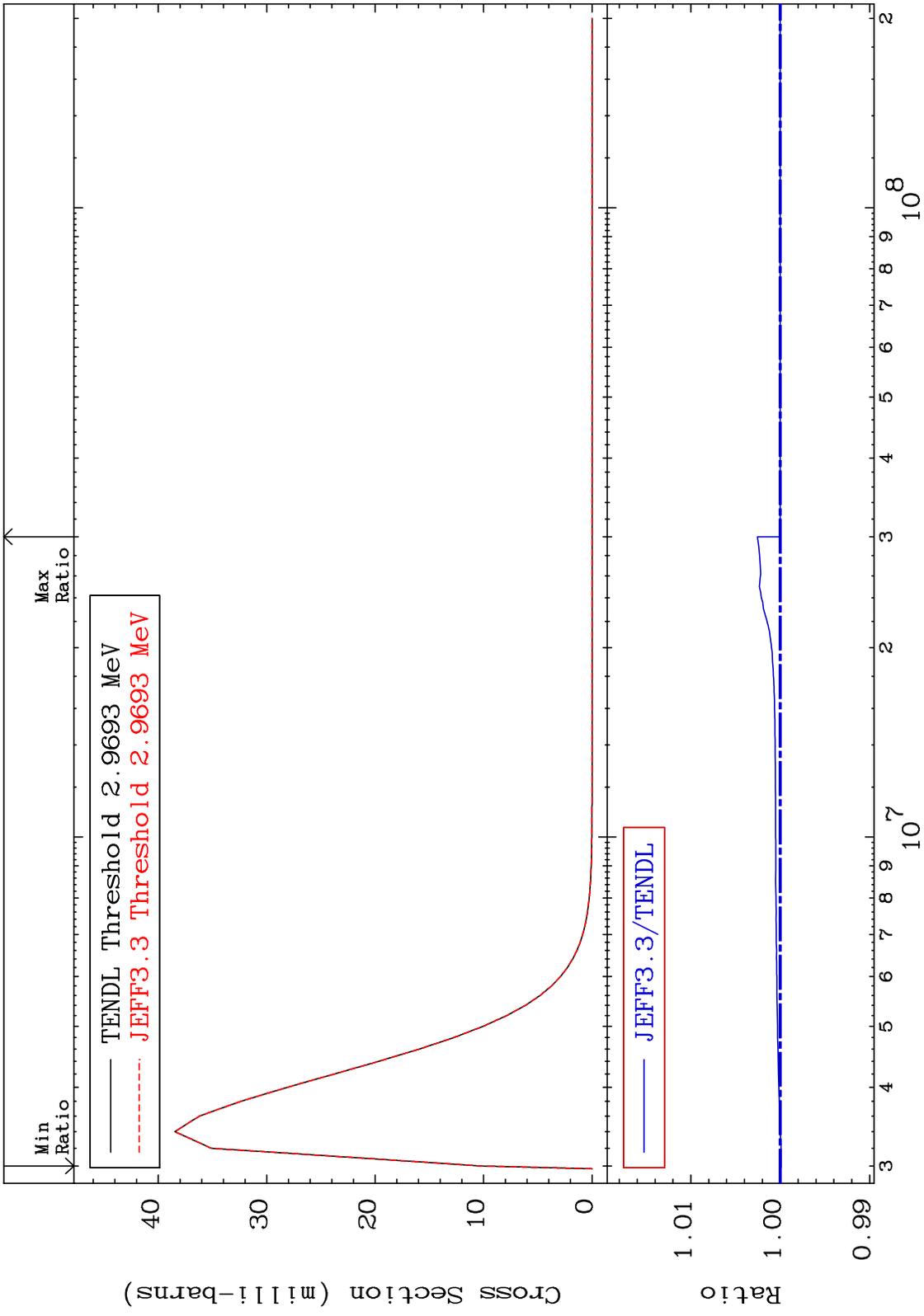
39 Incident Energy (eV) 50-Sn-122

MAT 5055 MT= 74 (n,n') Level Cross Section 50-Sn-122 -0.009 To 0.028 %

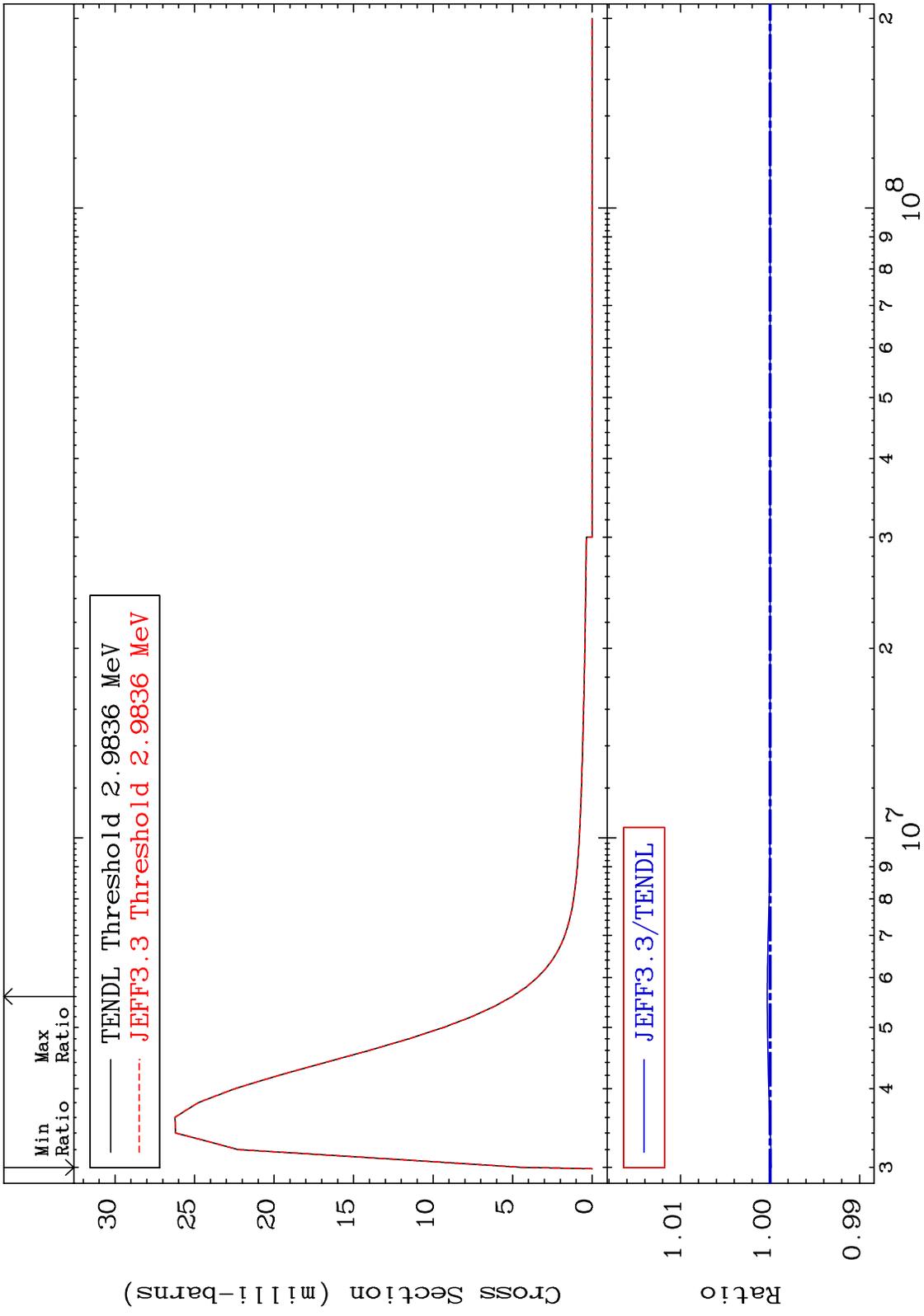


40 Incident Energy (eV) 50-Sn-122

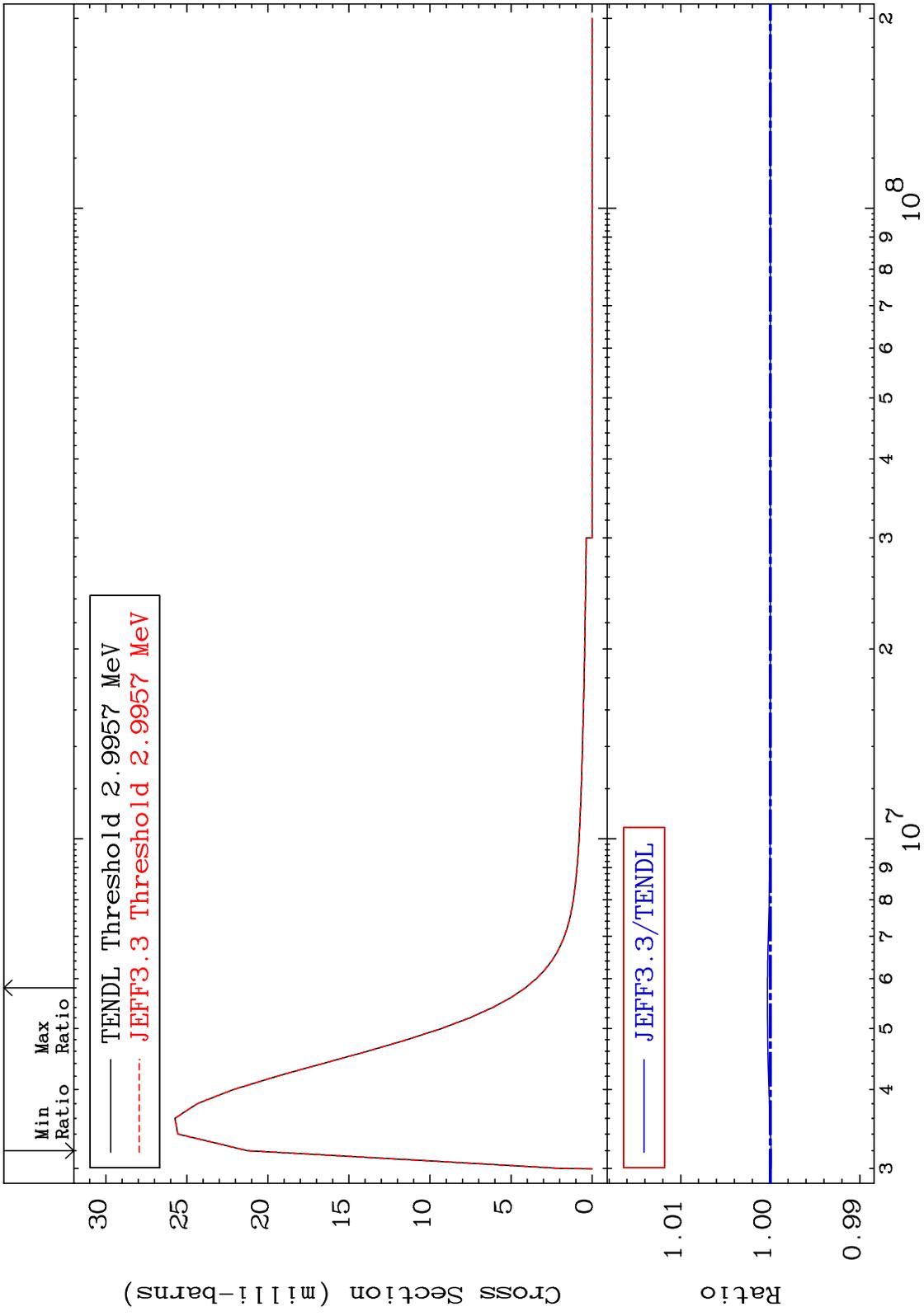
MAT 5055 MT= 75 (n,n') Level Cross Section 50-Sn-122  
 -0.010 To 0.255 %



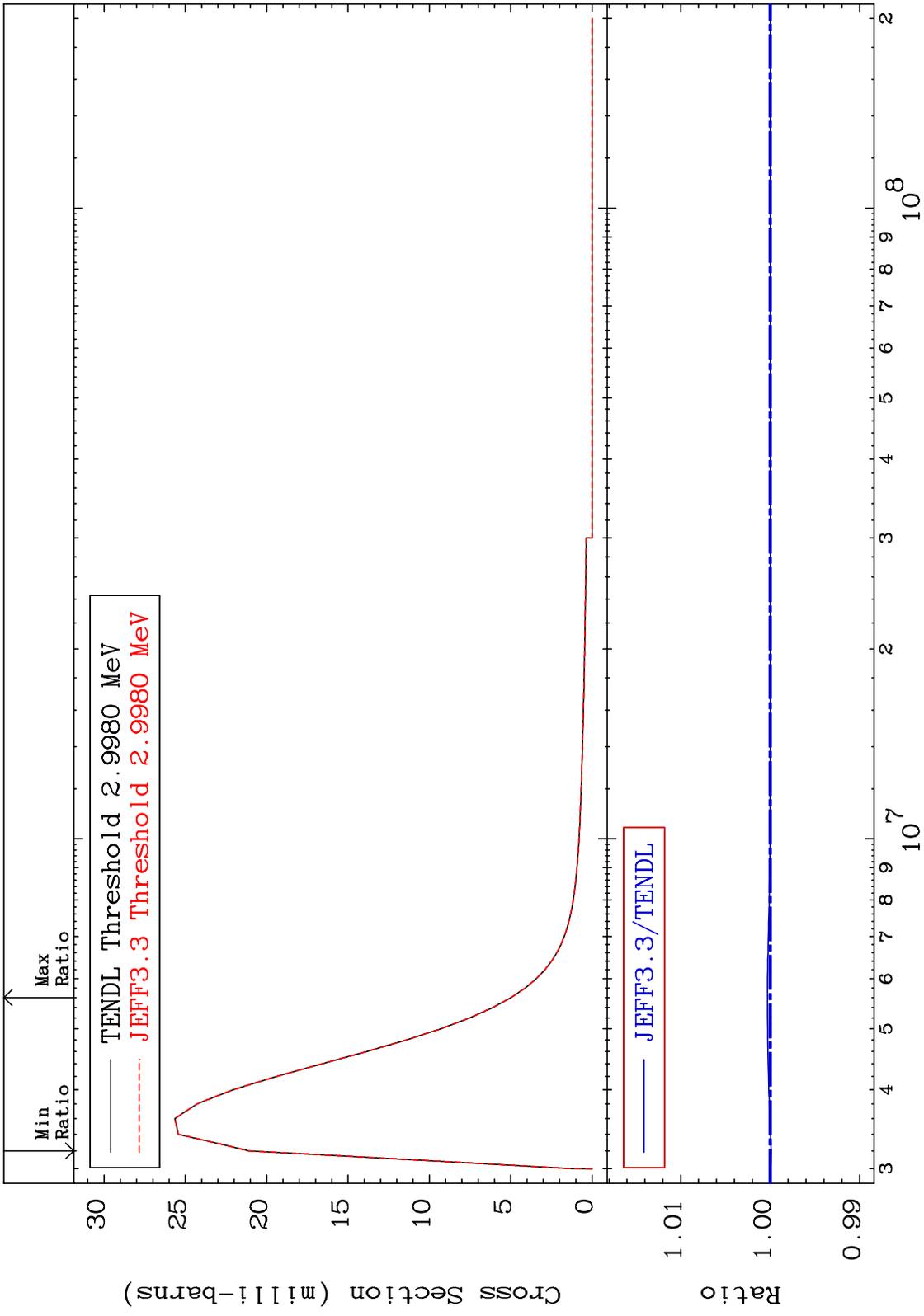
MAT 5055 MT= 76 (n,n') Level Cross Section 50-Sn-122 -0.013 To 0.031 %



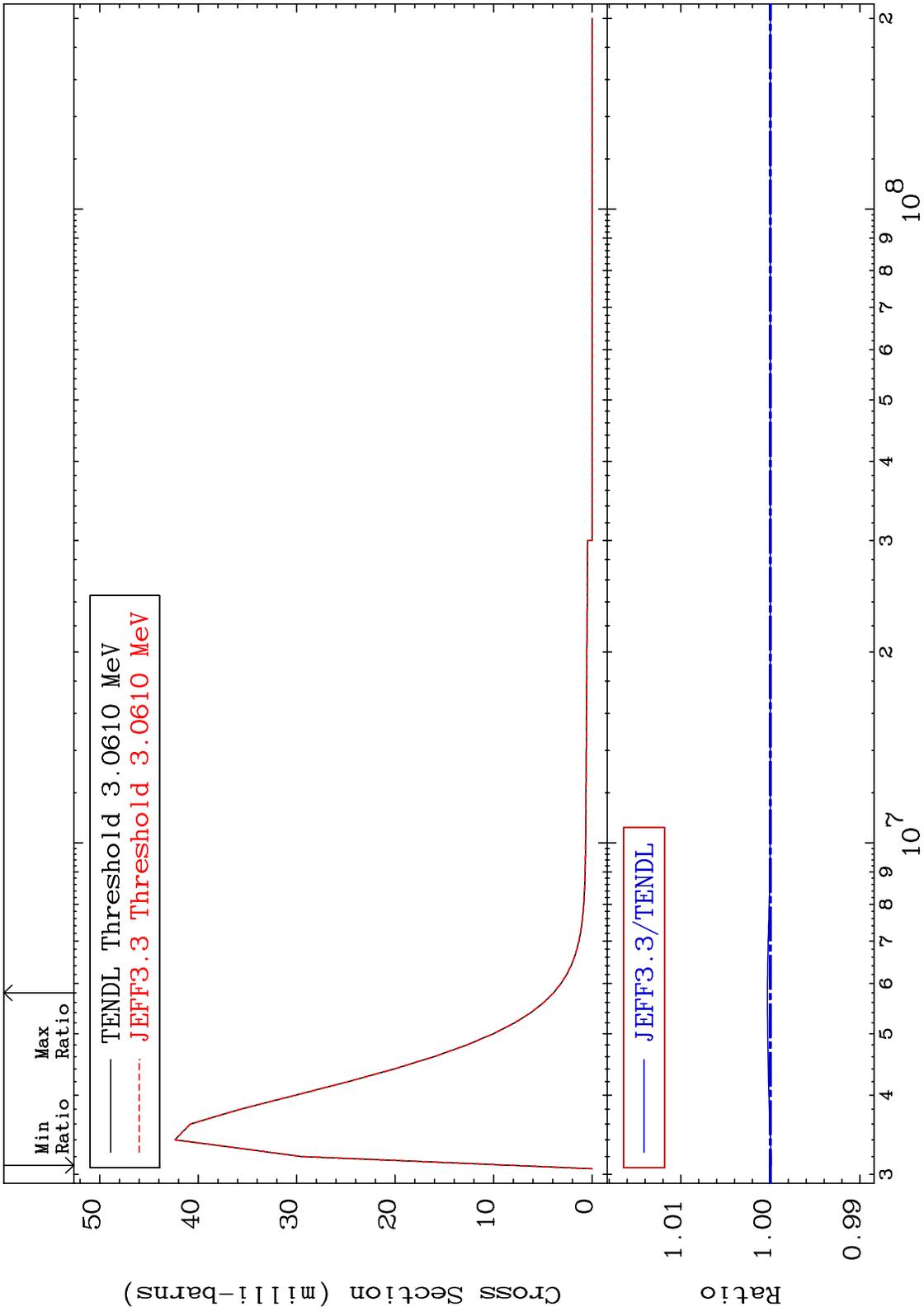
MAT 5055 MT= 77 (n,n') Level Cross Section 50-Sn-122 -0.010 To 0.031 %



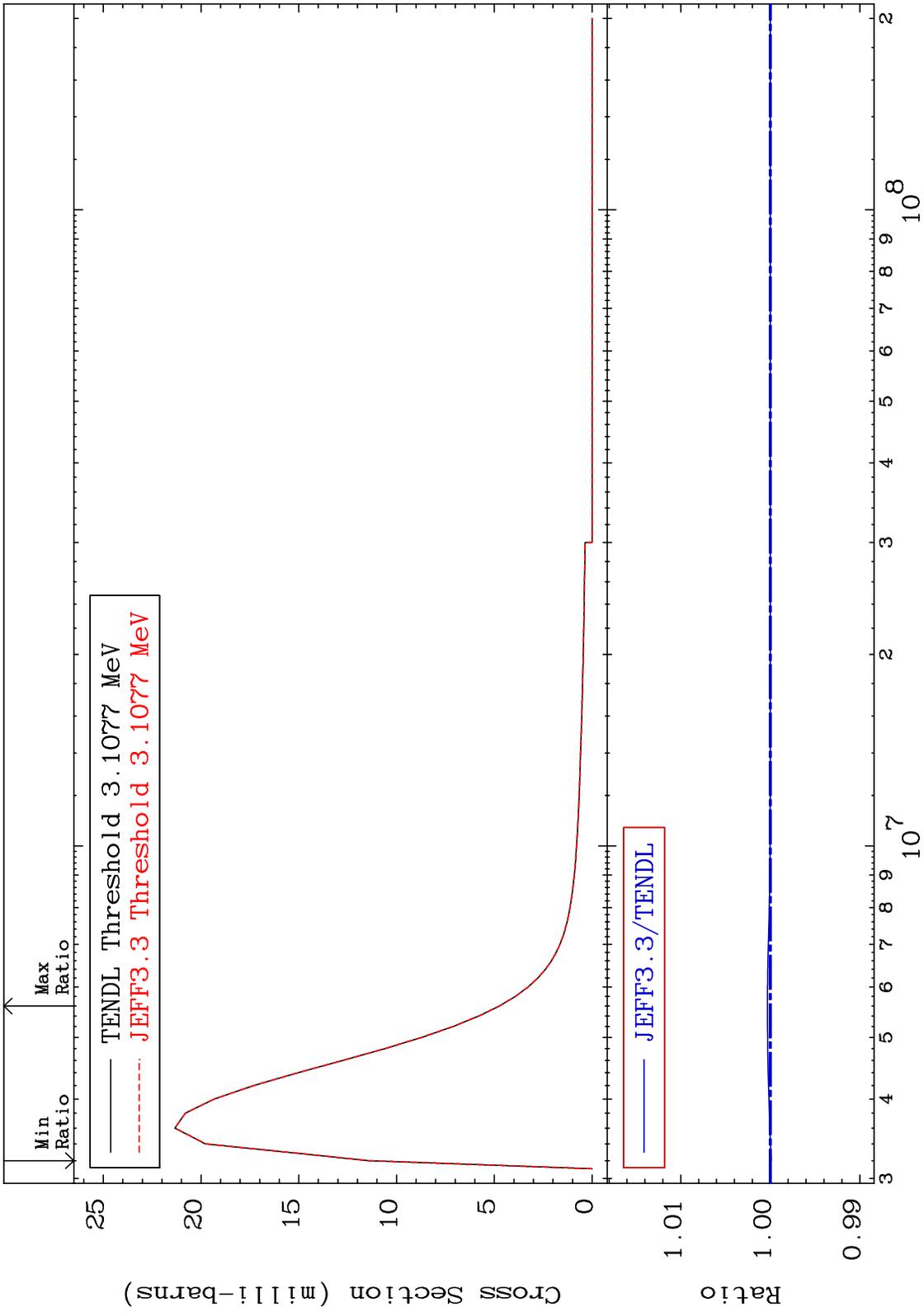
MAT 5055 MT= 78 (n,n') Level Cross Section 50-Sn-122 -0.010 To 0.031 %



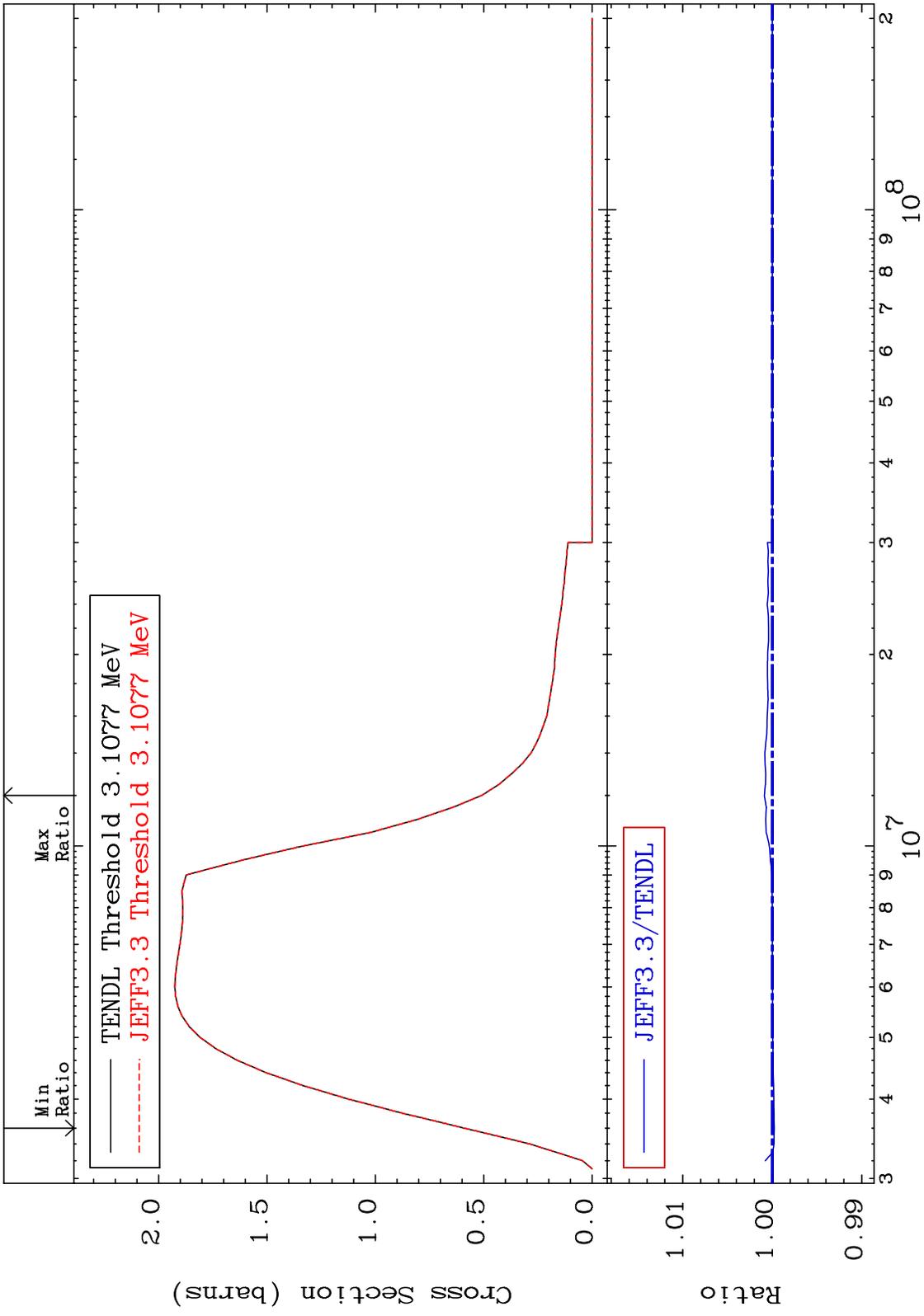
MAT 5055 MT= 79 (n,n') Level Cross Section 50-Sn-122 -0.008 To 0.032 %



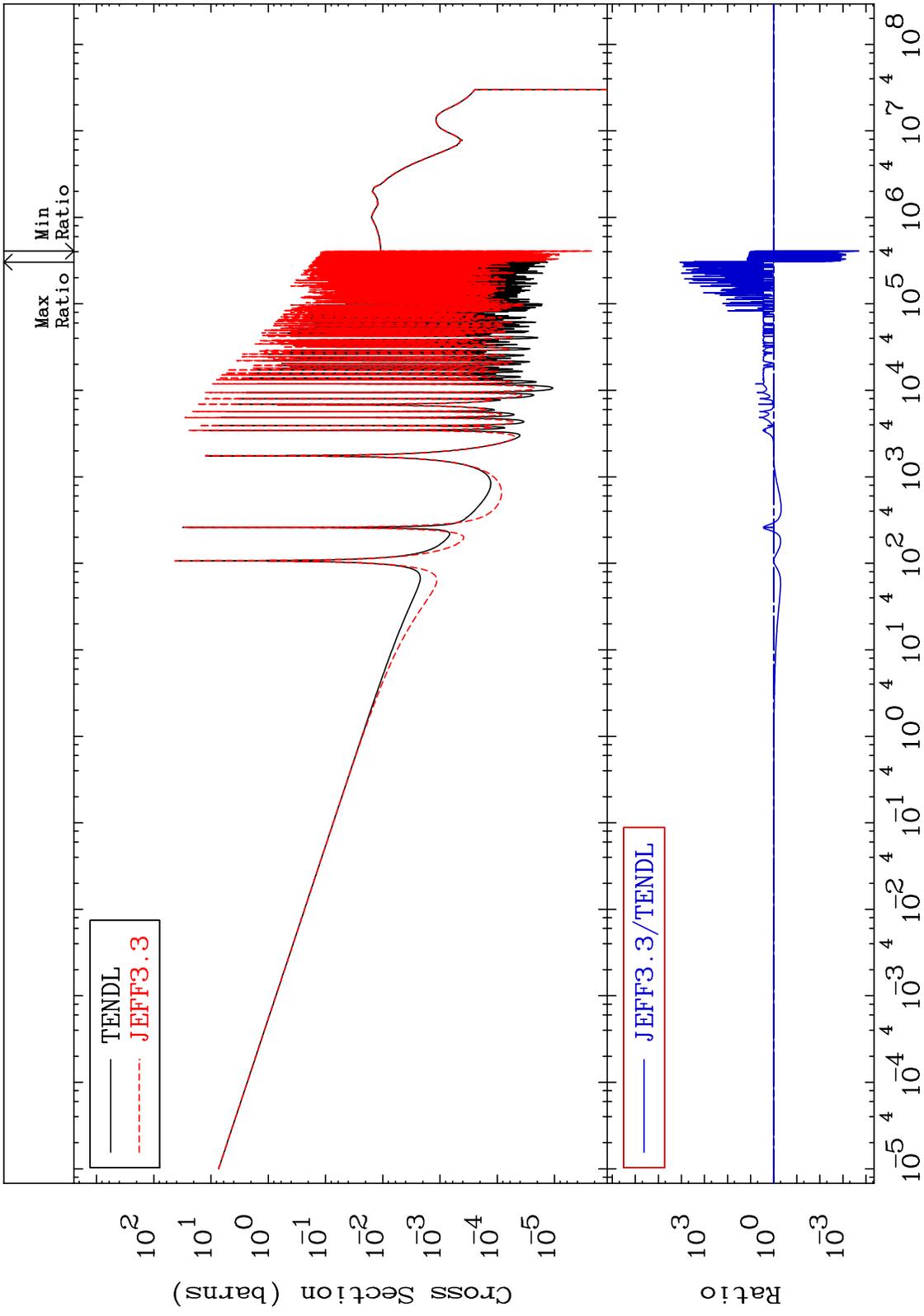
MAT 5055 MT= 80 (n,n') Level Cross Section 50-Sn-122 -0.010 To 0.031 %



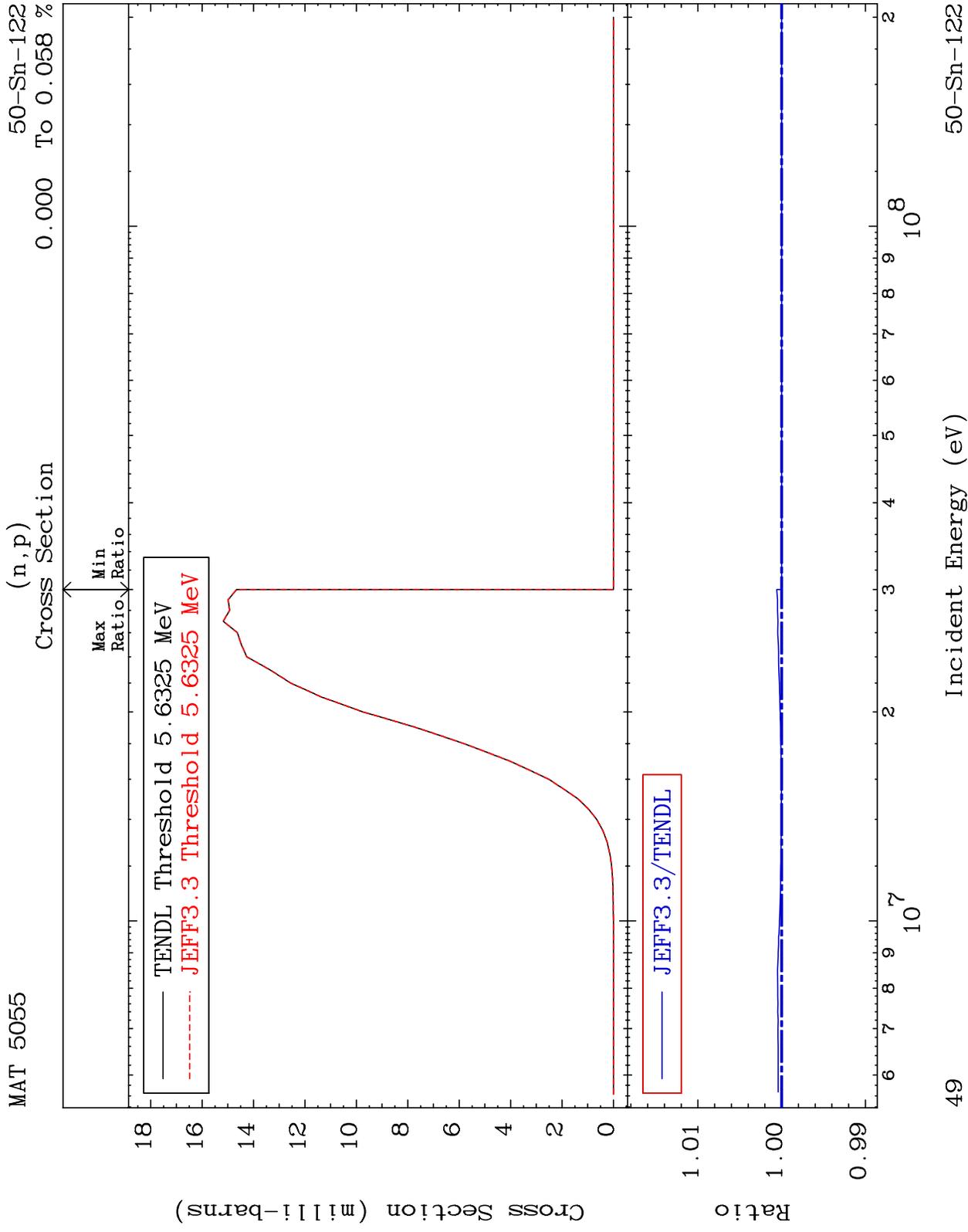
MAT 5055 (n,n') Continuum Cross Section 50-Sn-122 -0.022 To 0.089 %



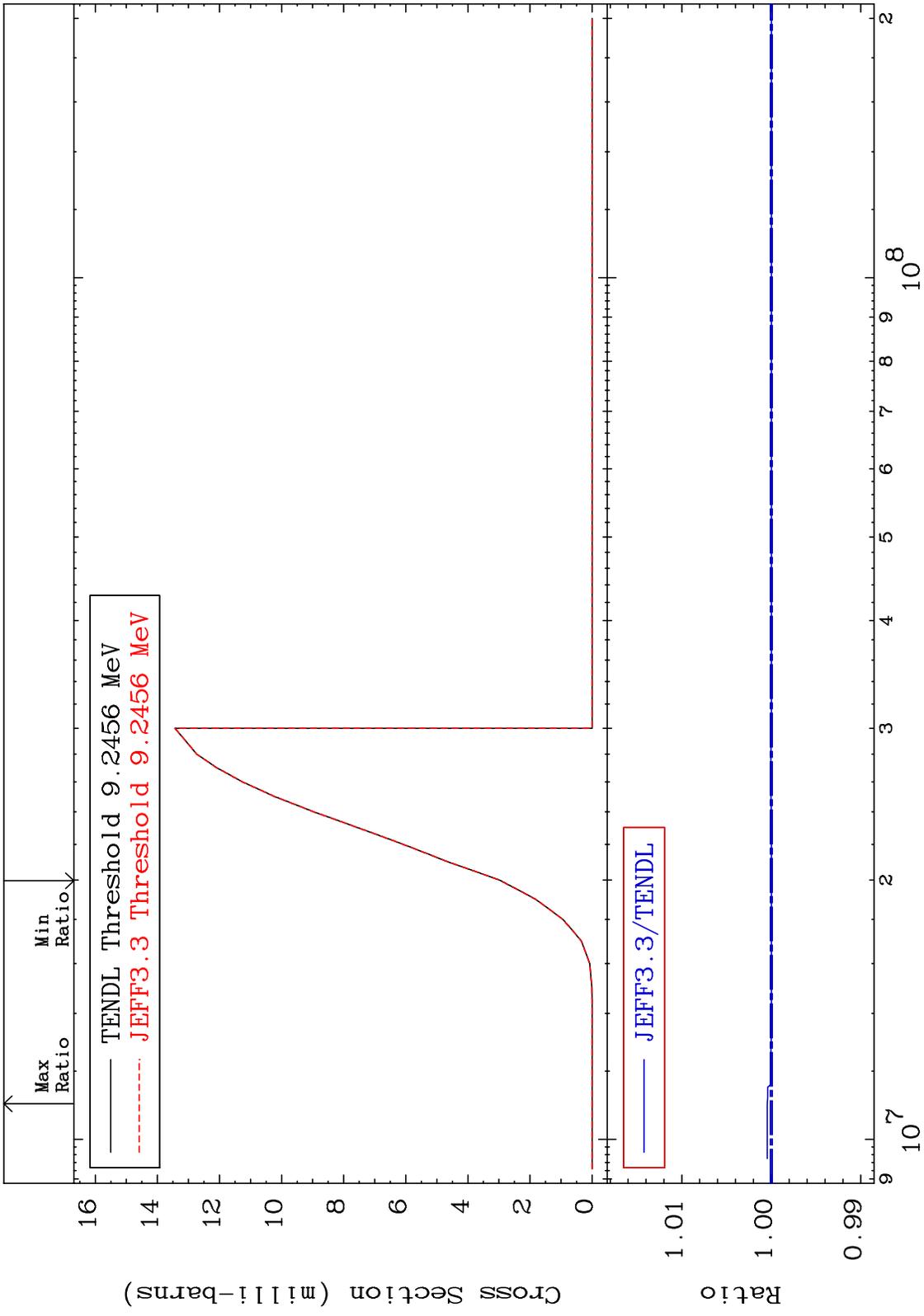
MAT 5055  $(n, \gamma)$  Cross Section 50-Sn-122 -99.98 To 9999. %



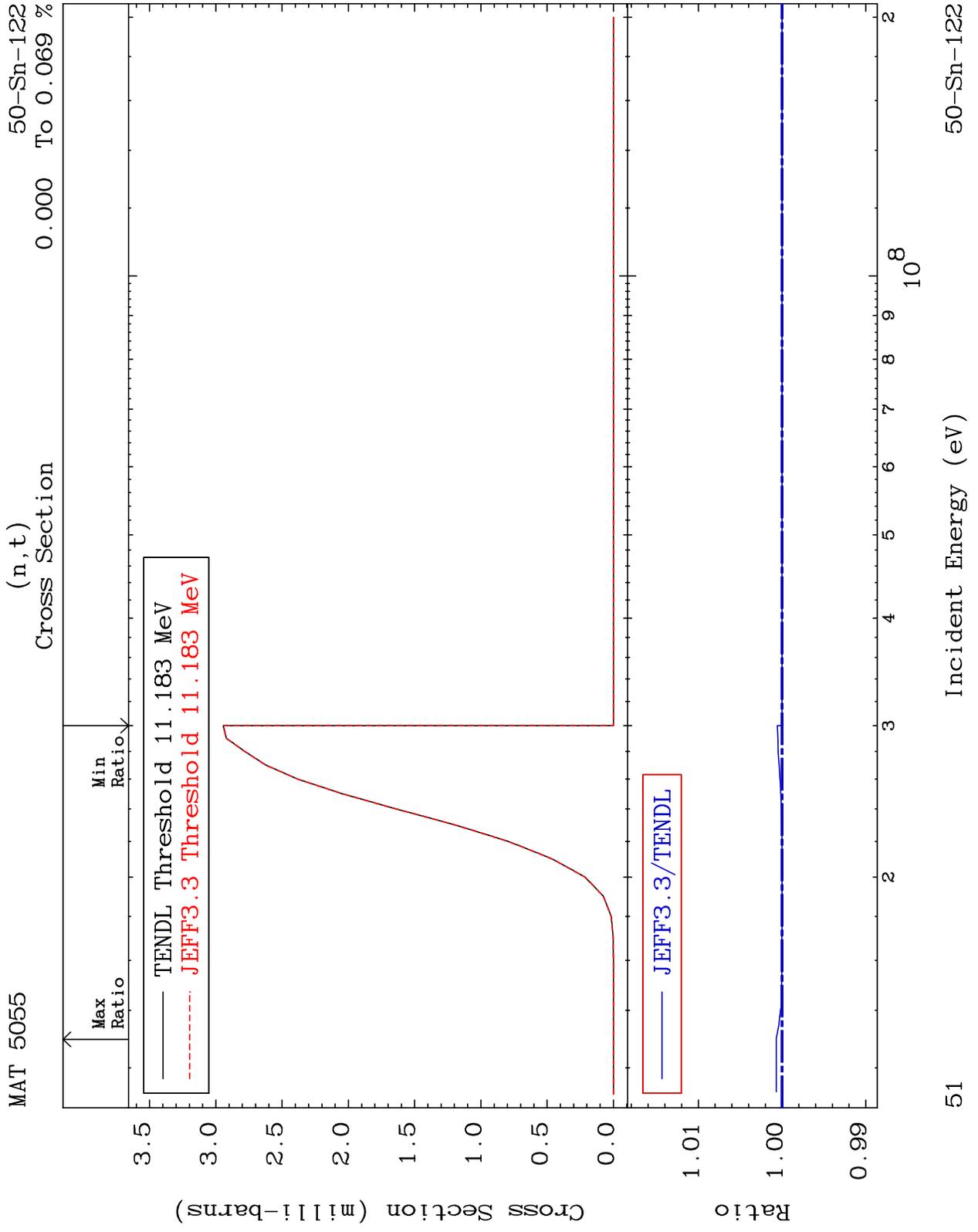
48 50-Sn-122



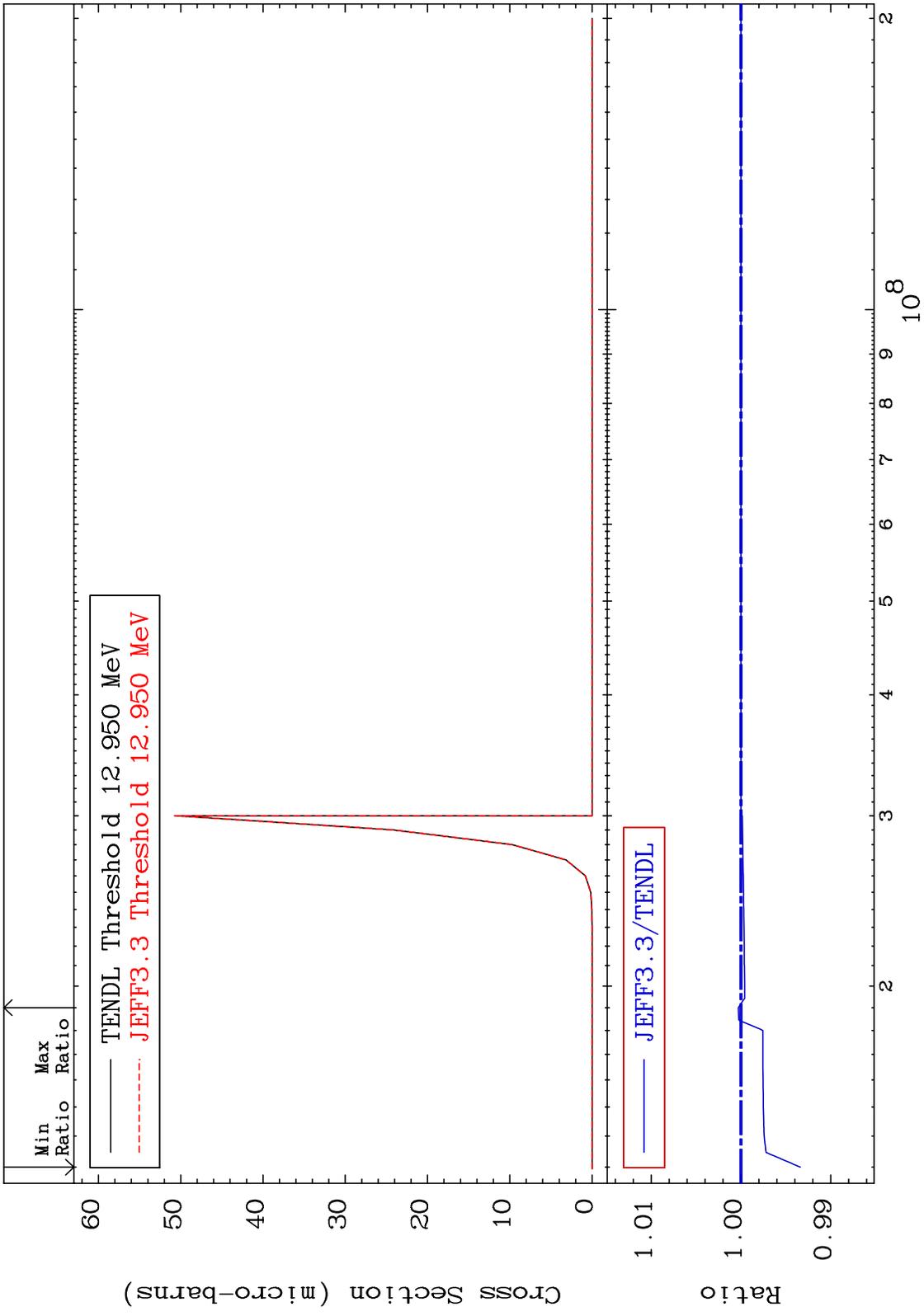
MAT 5055 (n,d) Cross Section 50-Sn-122 To 0.046 %



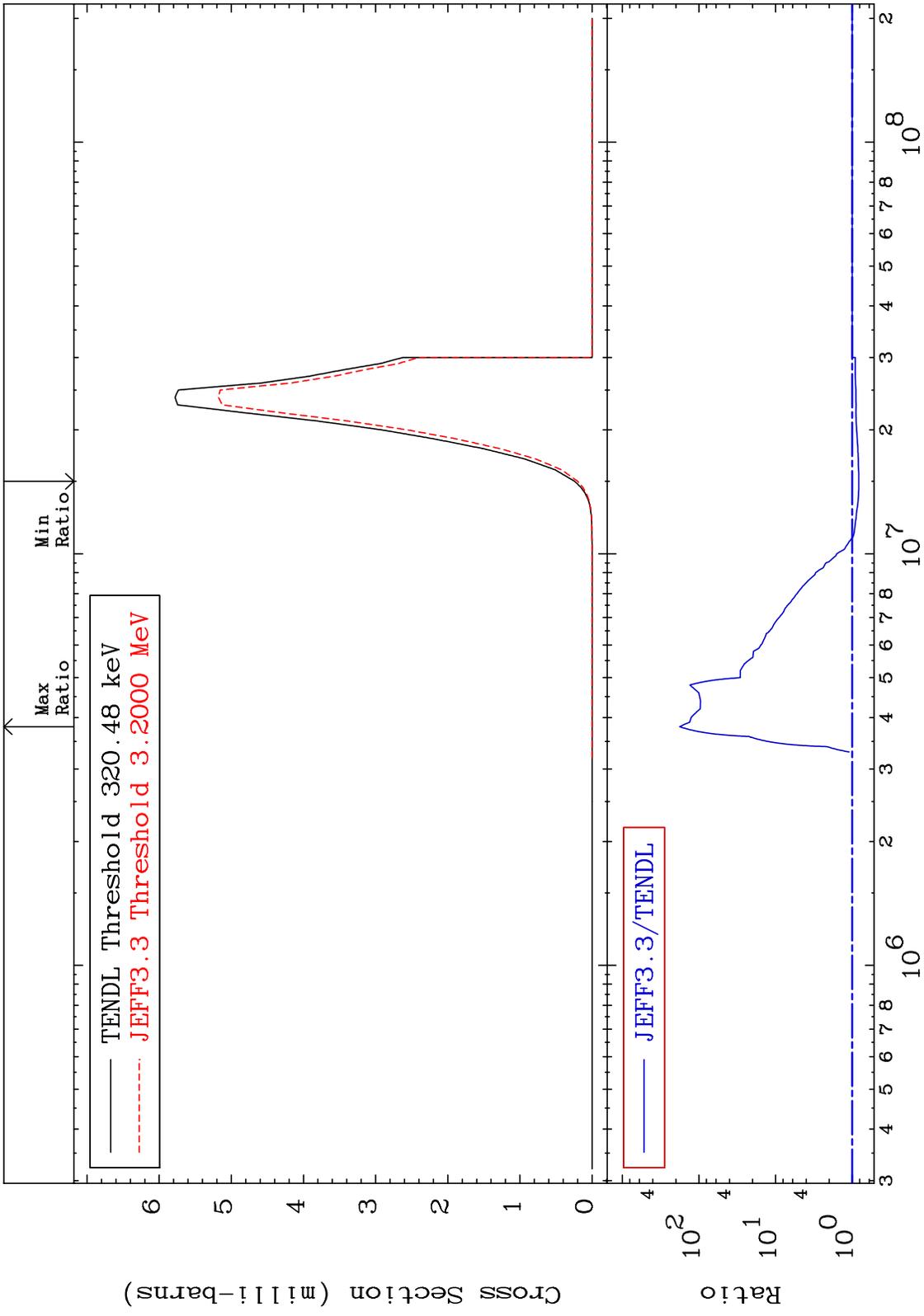
50 Incident Energy (eV) 50-Sn-122



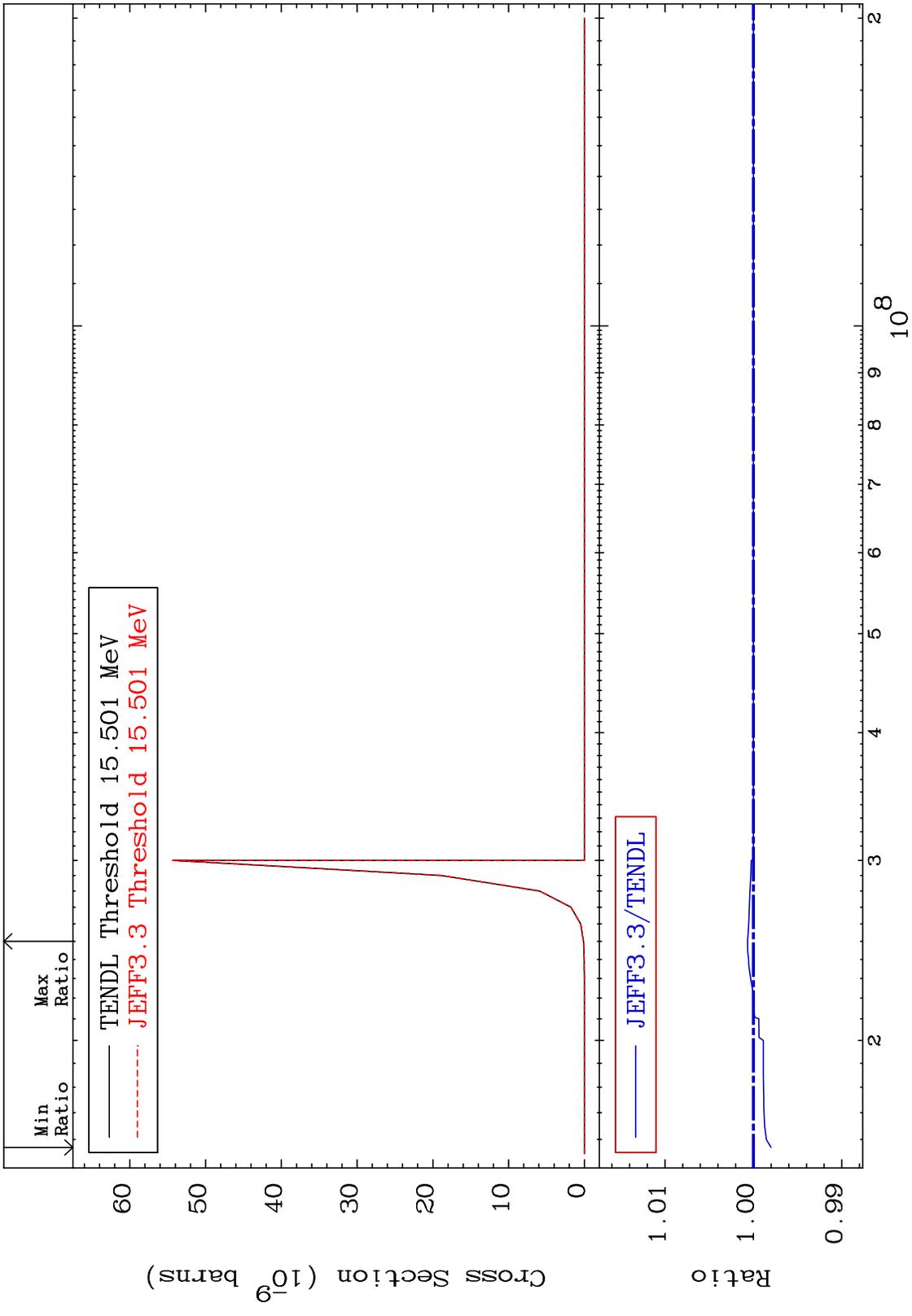
MAT 5055 (n, He-3) 50-Sn-122  
 Cross Section -0.660 To 0.029 %



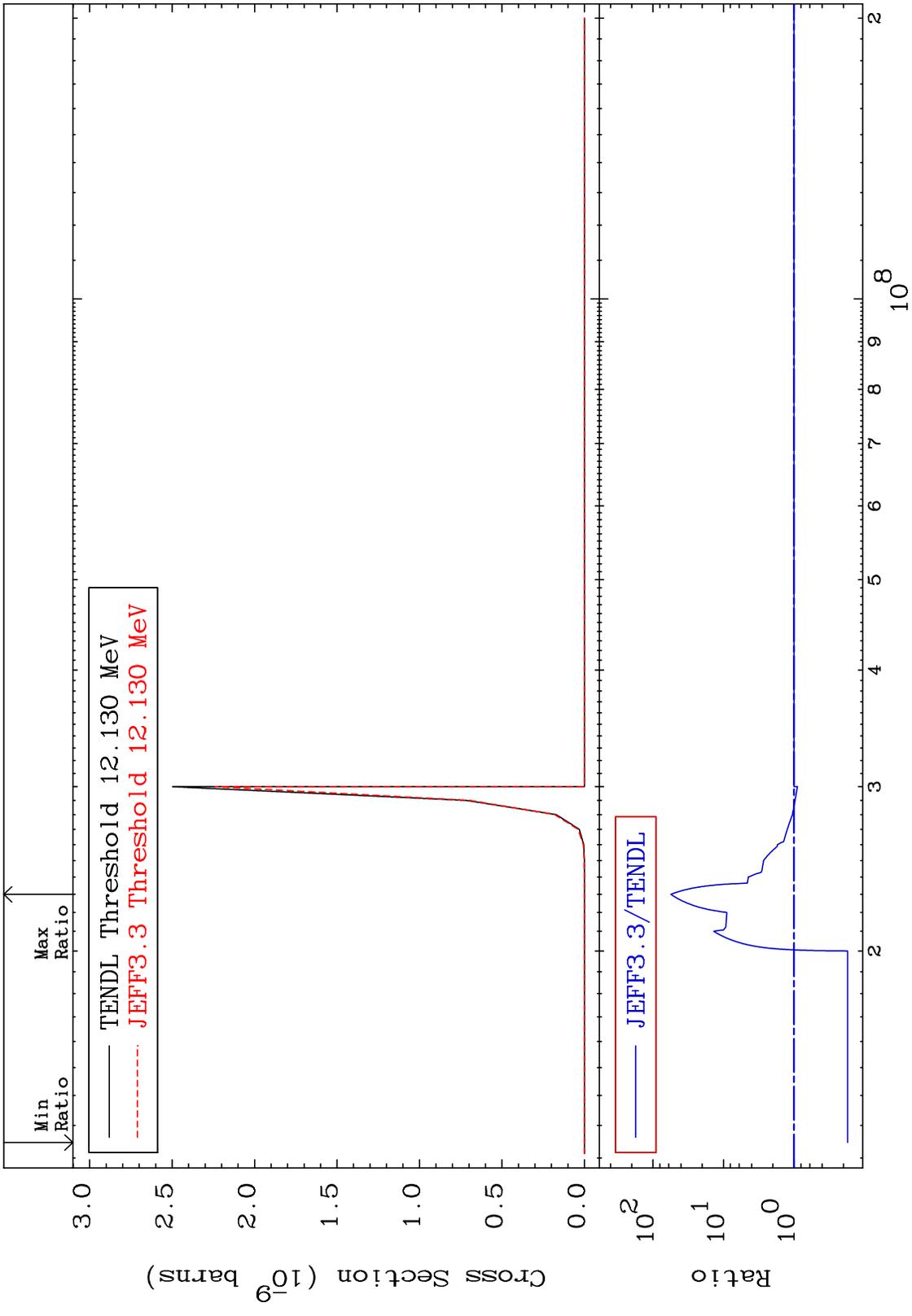
MAT 5055  $(n, \alpha)$  50-Sn-122  
 -17.76 To 9999. %  
 Cross Section



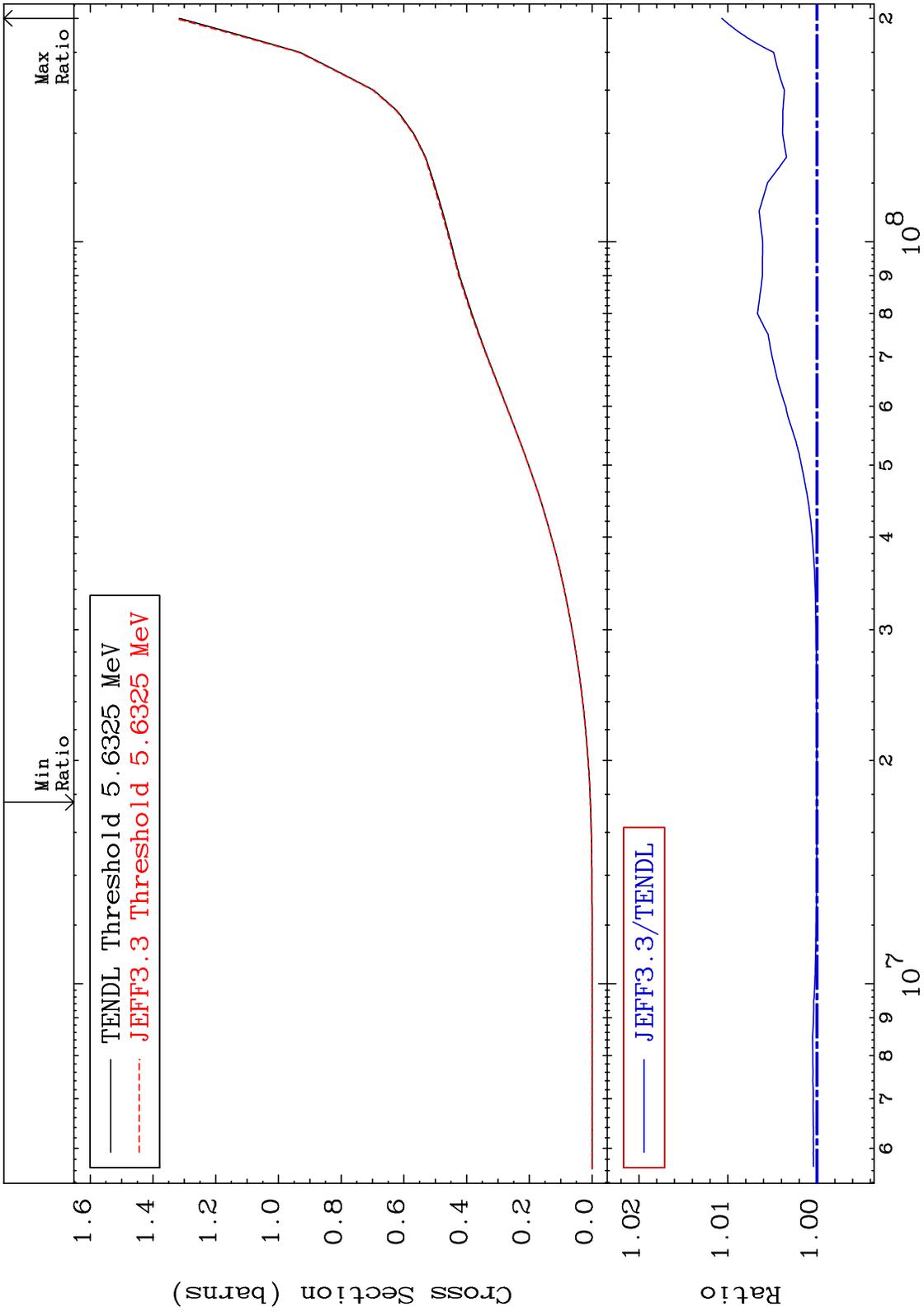
MAT 5055 (n,2p) Cross Section 50-Sn-122 -0.199 To 0.065 %



MAT 5055  $(n,p) \alpha$  50-Sn-122  
 Cross Section -82.59 To 5466. %



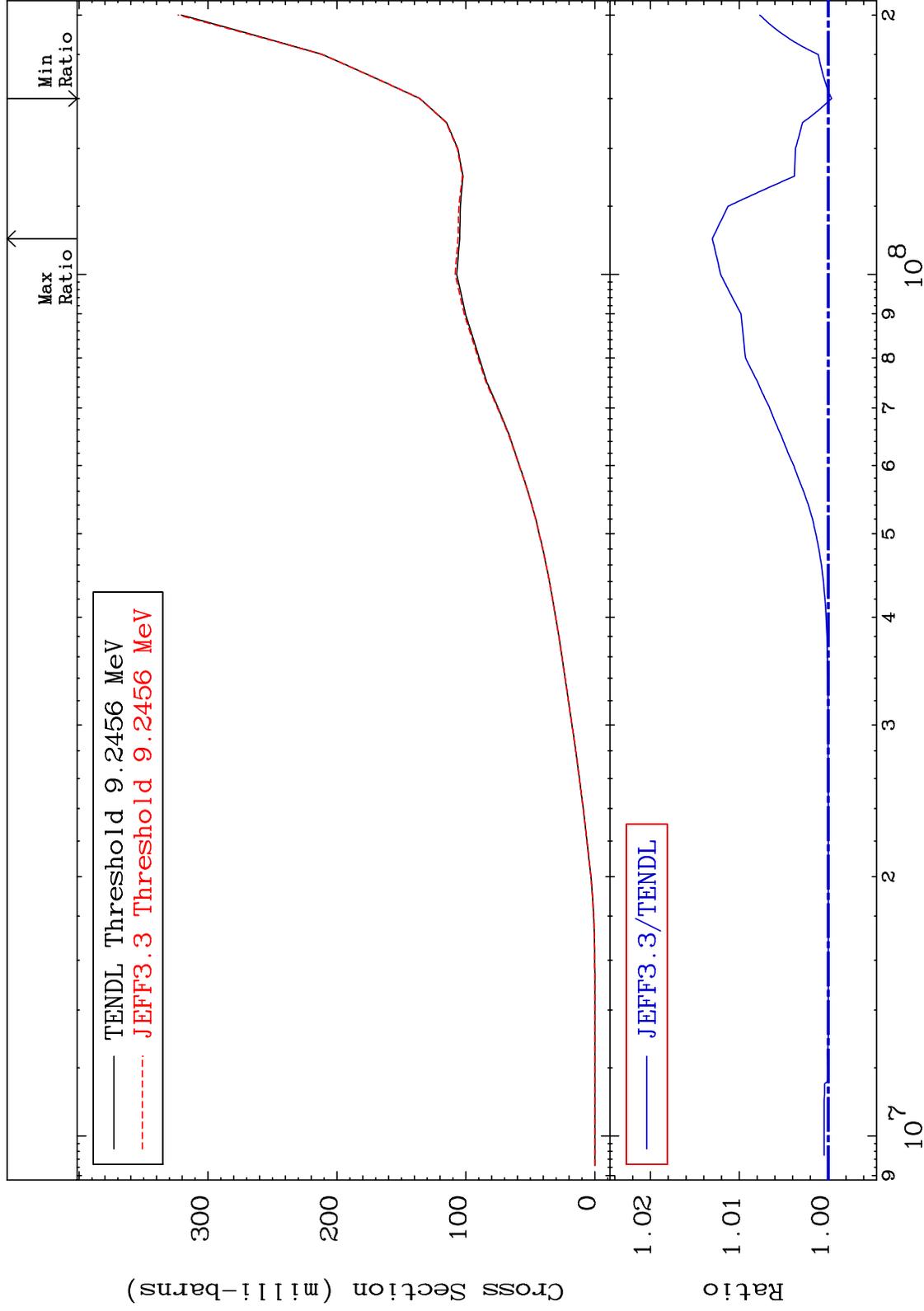
MAT 5055 Hydrogen Production Cross Section 50-Sn-122 To 1.069 %



MAT 5055

Deuterium Production  
Cross Section

50-Sn-122  
-0.036 To 1.304 %



57

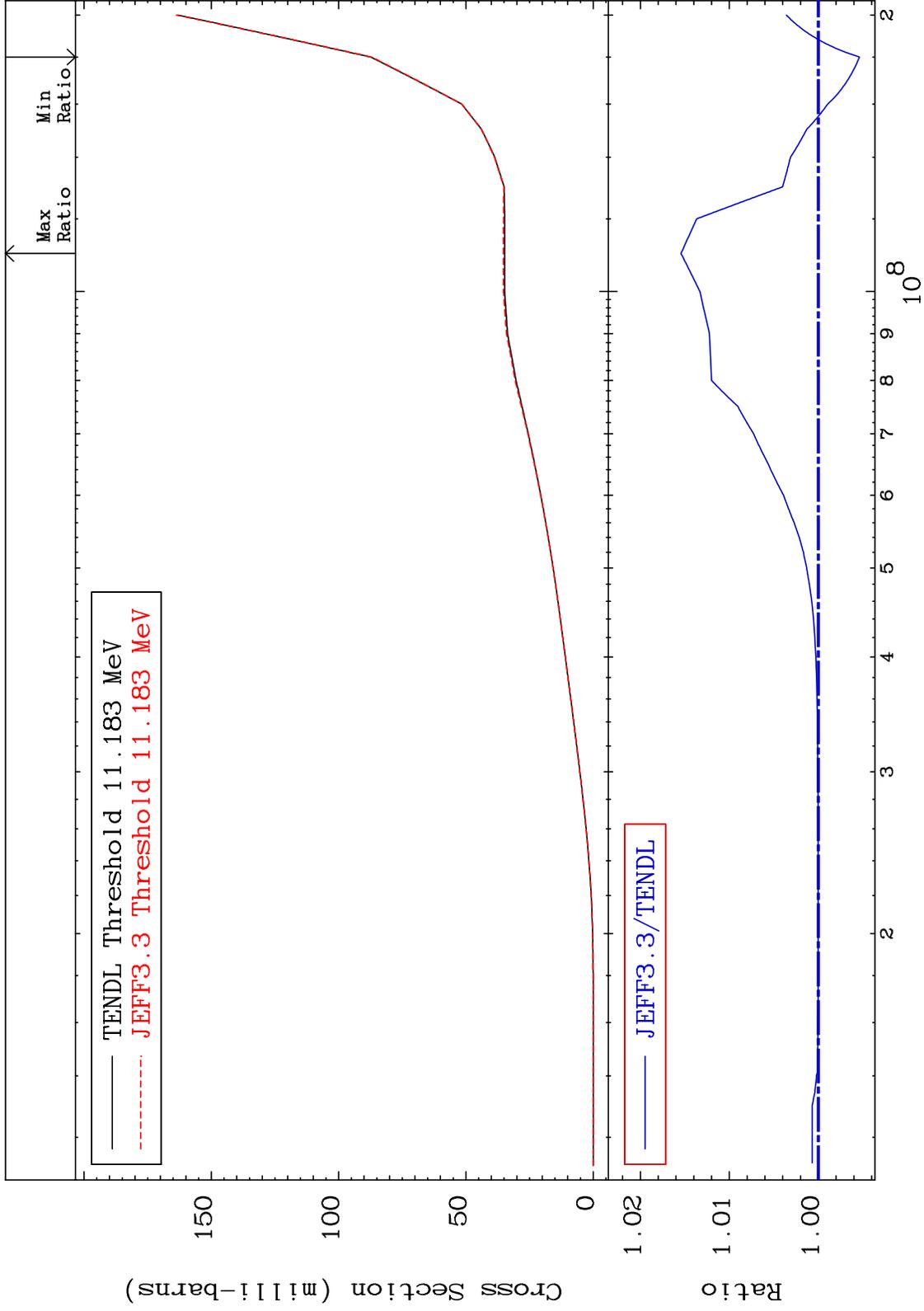
Incident Energy (eV)

50-Sn-122

MAT 5055

Tritium Production  
Cross Section

50-Sn-122  
-0.463 To 1.543 %

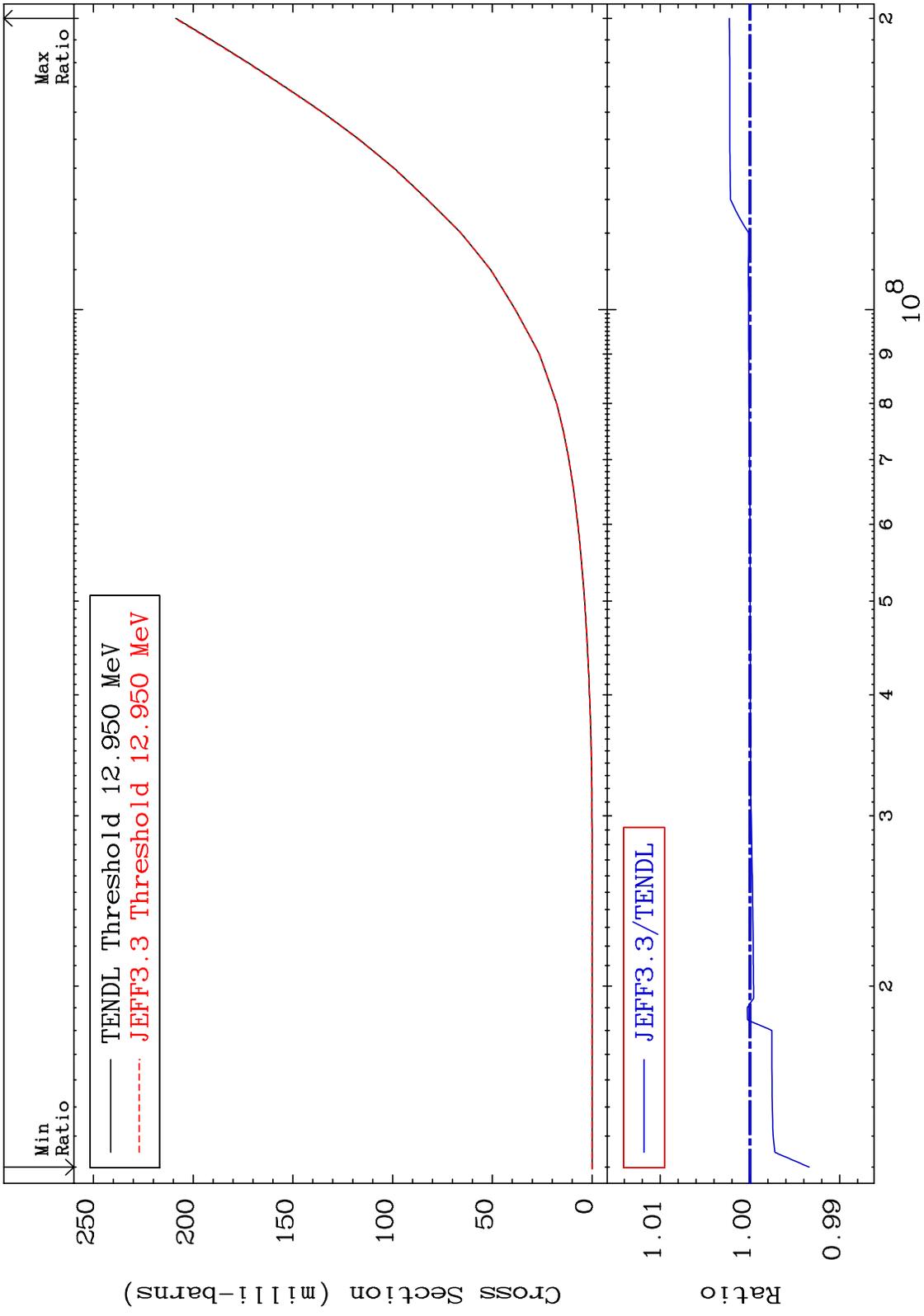


58

Incident Energy (eV)

50-Sn-122

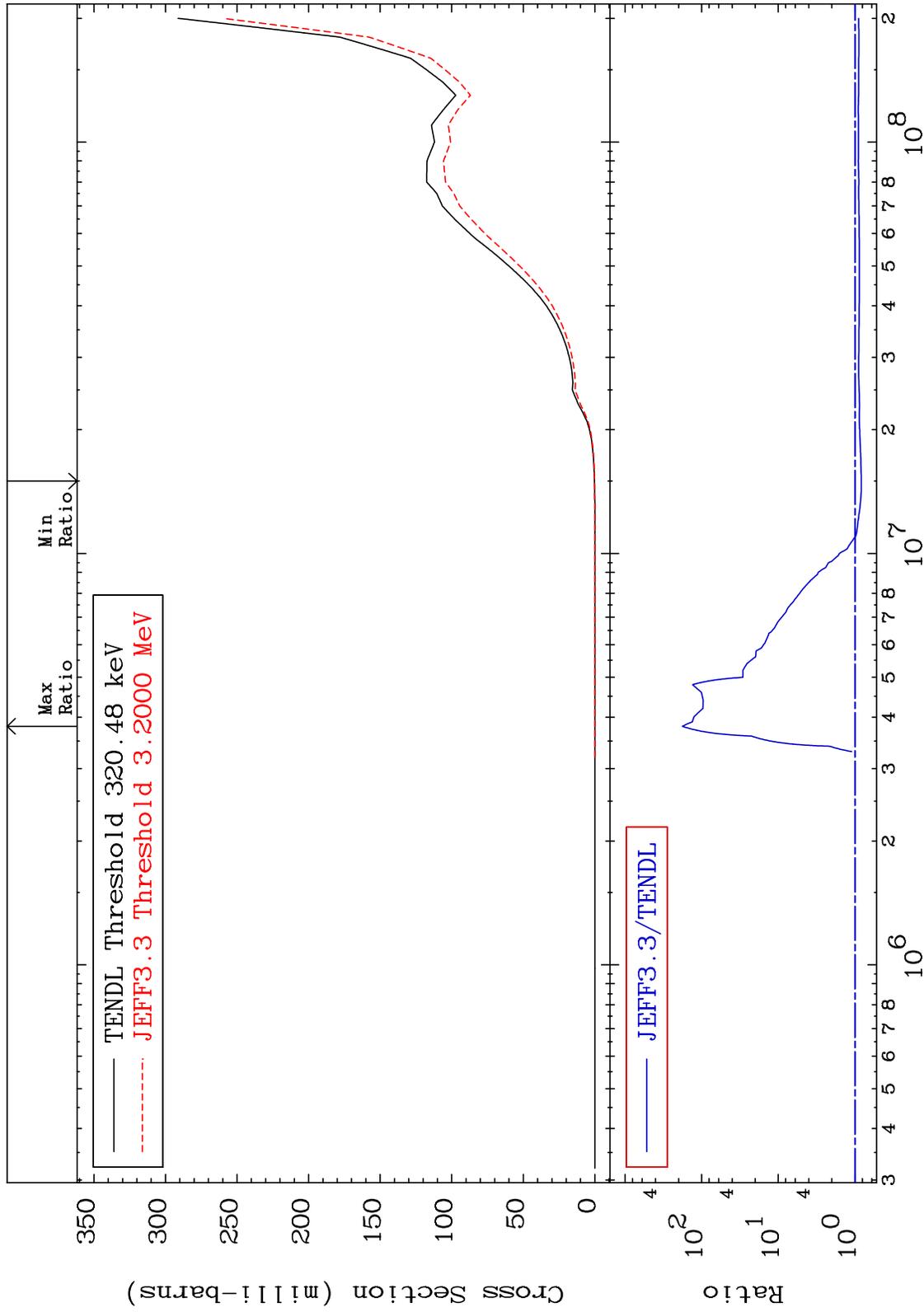
MAT 5055 He-3 Production Cross Section 50-Sn-122 -0.660 To 0.228 %



MAT 5055

He-4 Production  
Cross Section

50-Sn-122  
-17.62 To 9999. %

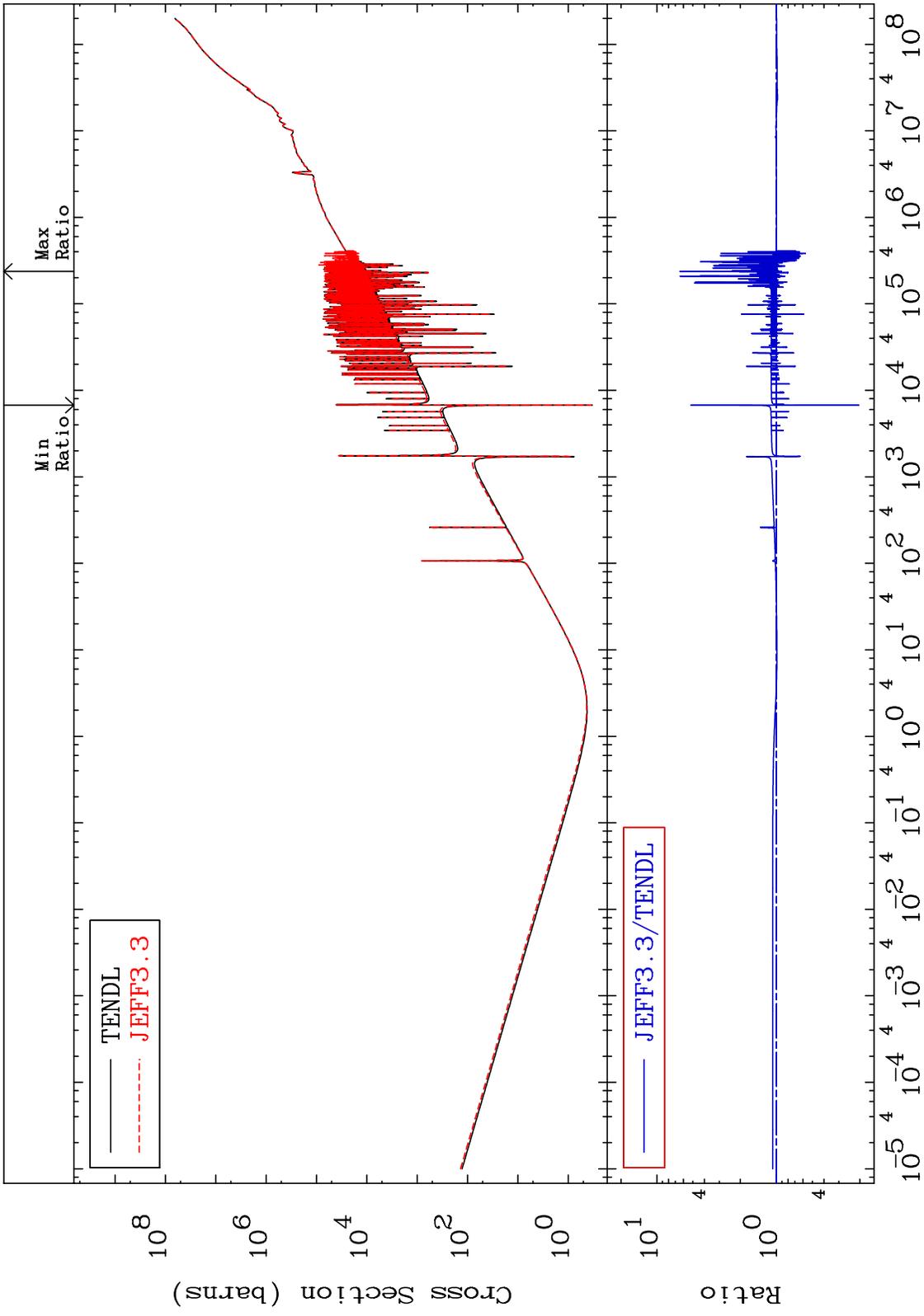


60

Incident Energy (eV)

50-Sn-122

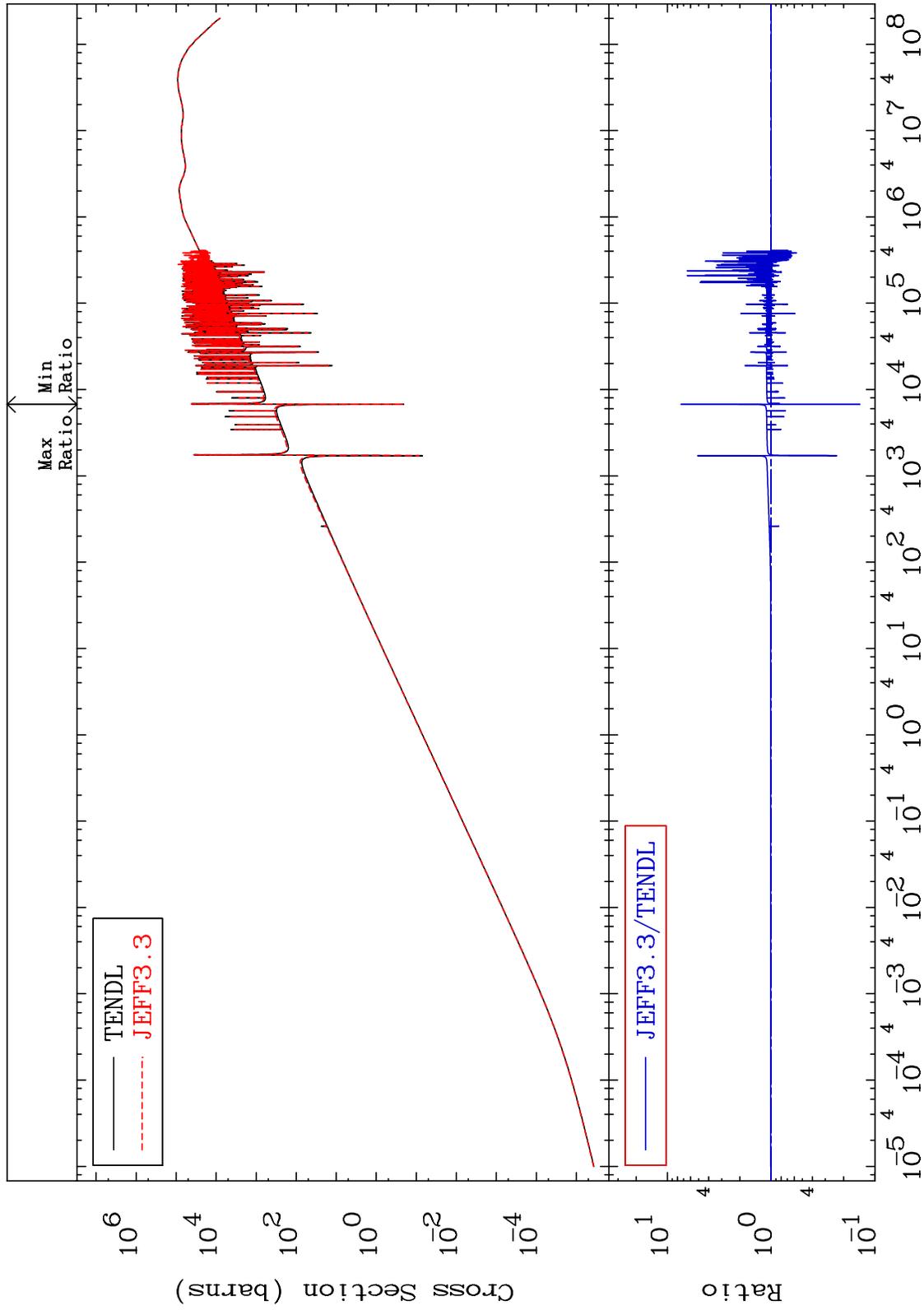
MAT 5055      Kerma total (eV-barns)  
 Cross Section      50-Sn-122  
 -79.58 To 543.6 %



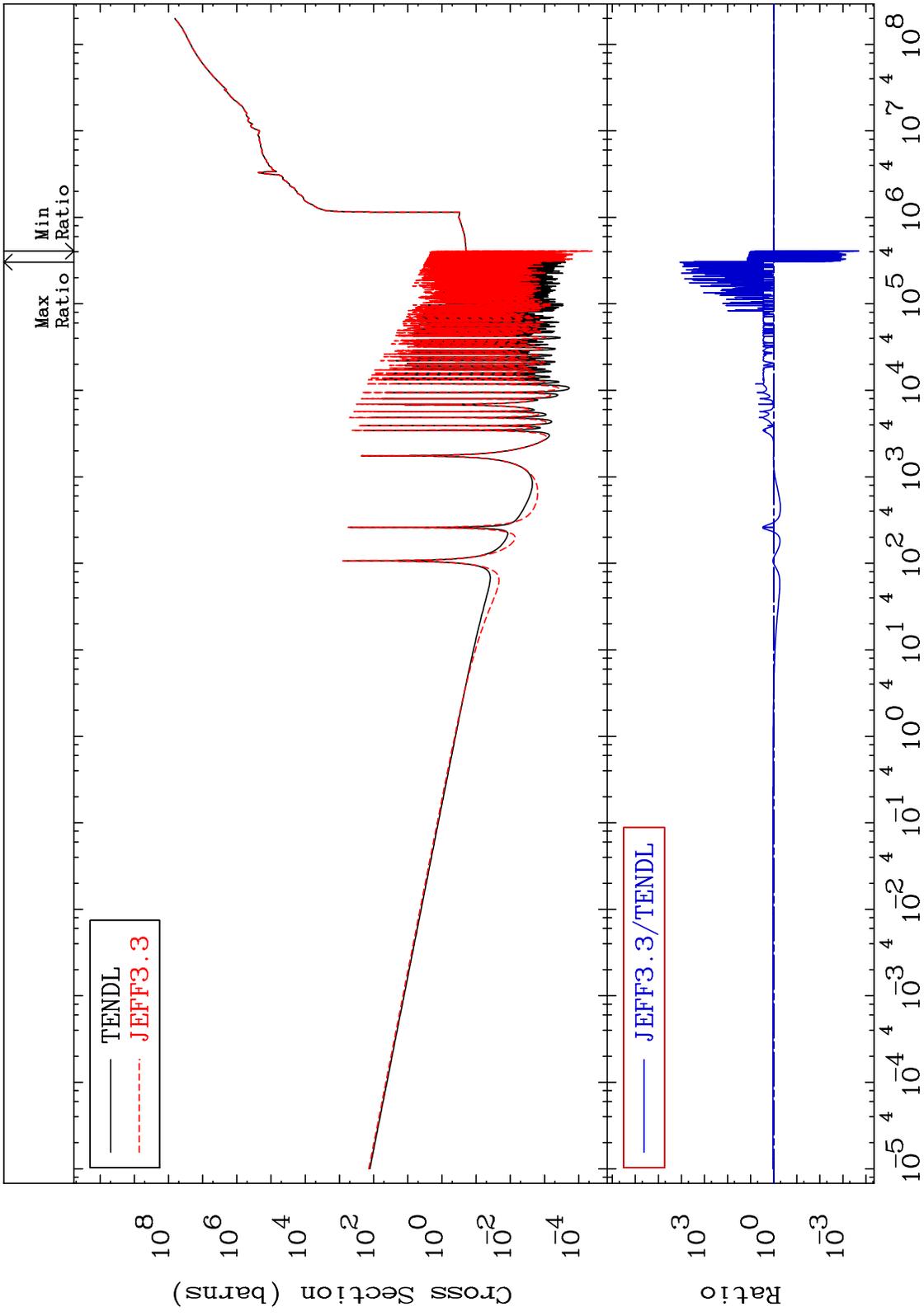
MAT 5055

Kerma elastic  
Cross Section

50-Sn-122  
-86.04 To 636.6 %



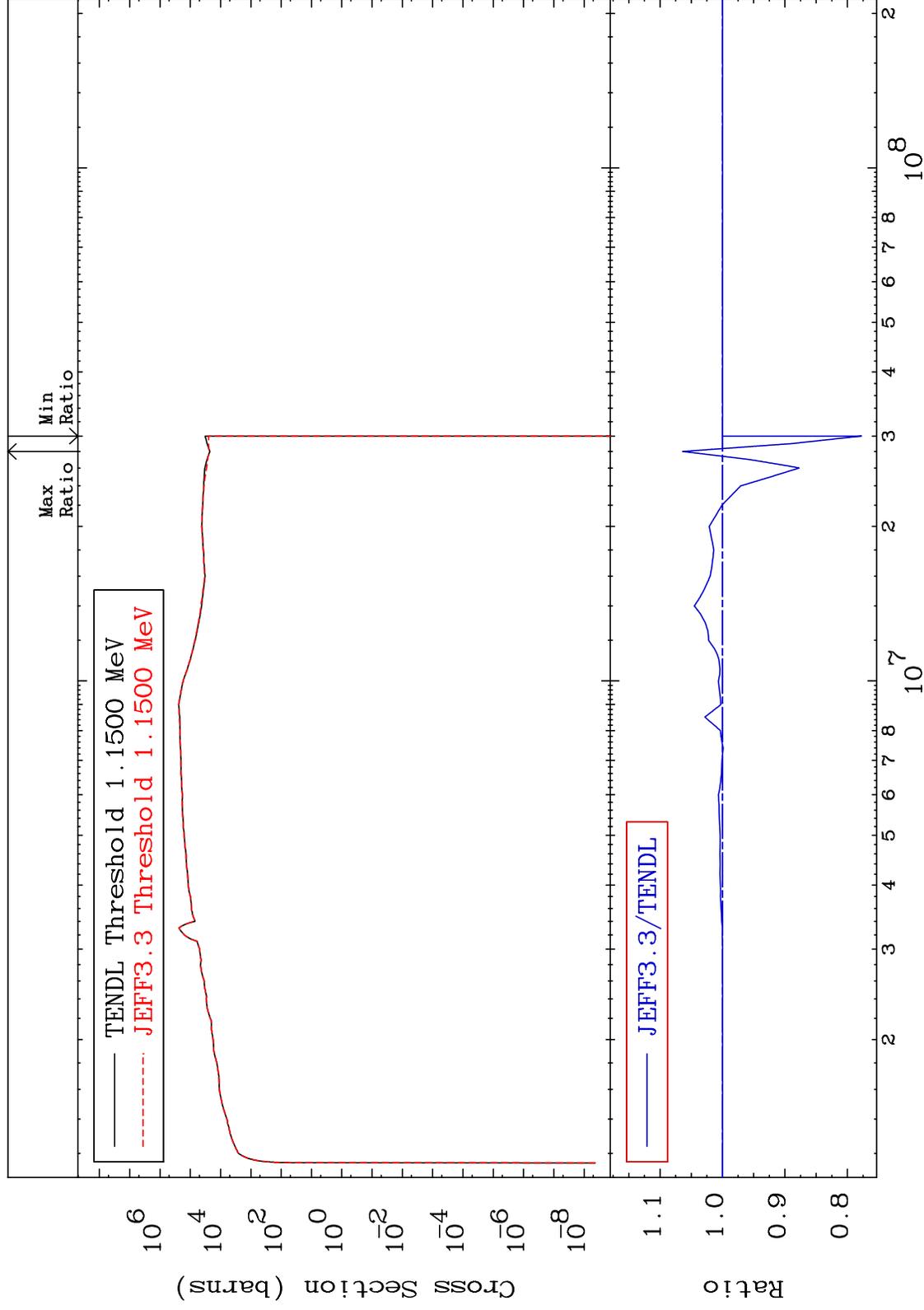
MAT 5055 Kerma non-elastic (all but mt2) 50-Sn-122  
Cross Section -99.98 To 9999. %



MAT 5055

Kerma inelastic (mt51-91)  
Cross Section

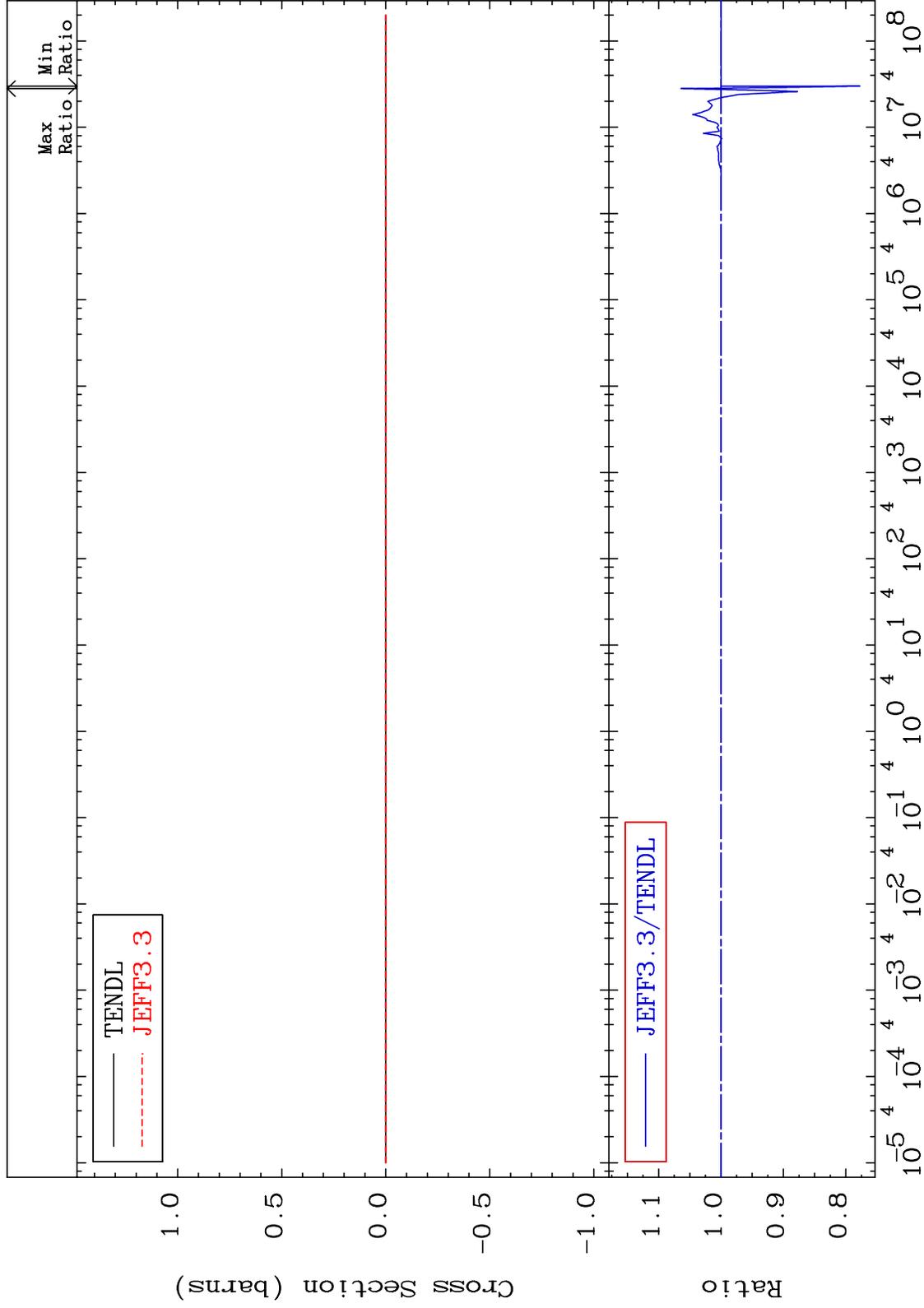
50-Sn-122  
-22.23 To 6.372 %



MAT 5055

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

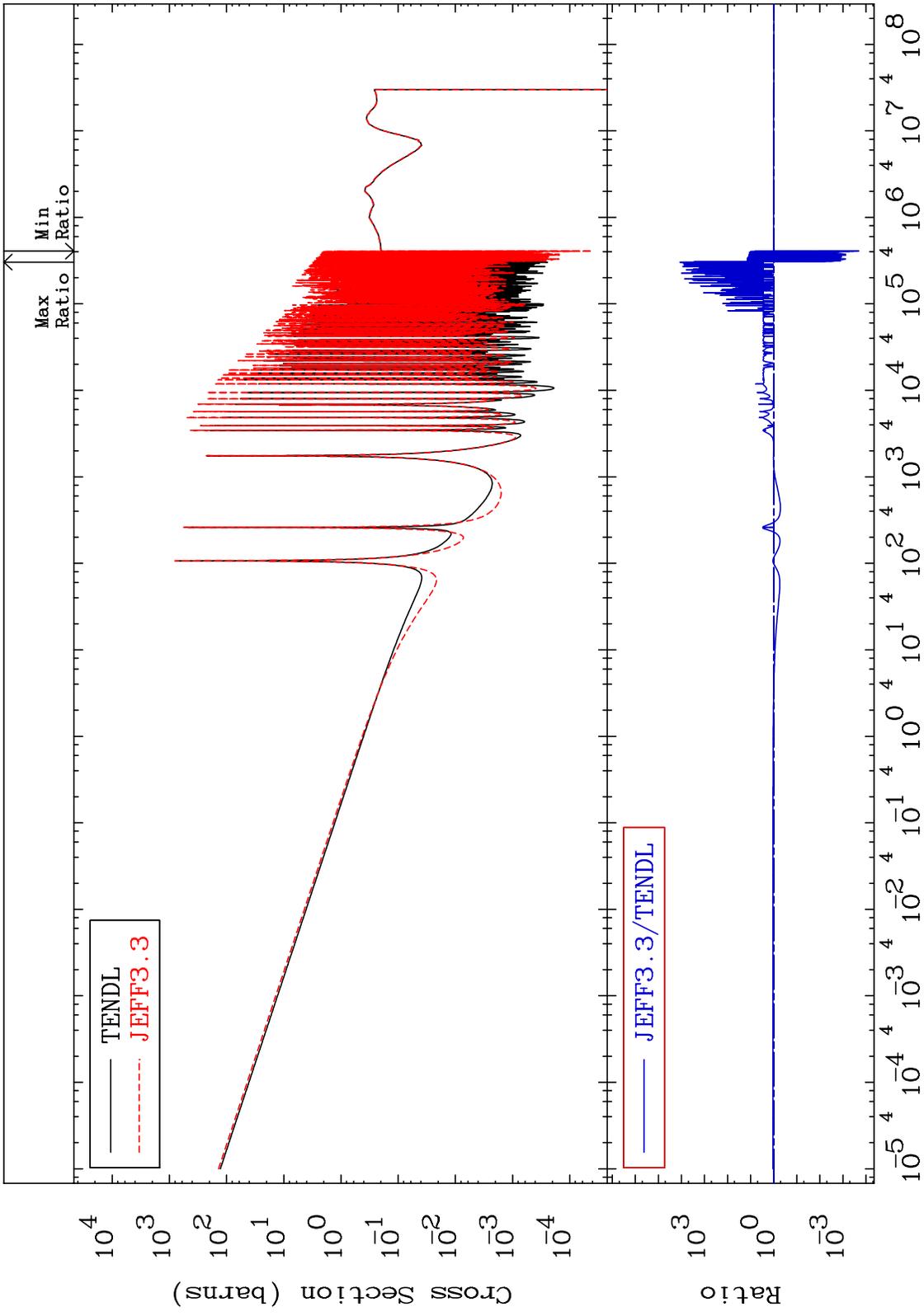
50-Sn-122  
-22.23 To 6.372 %



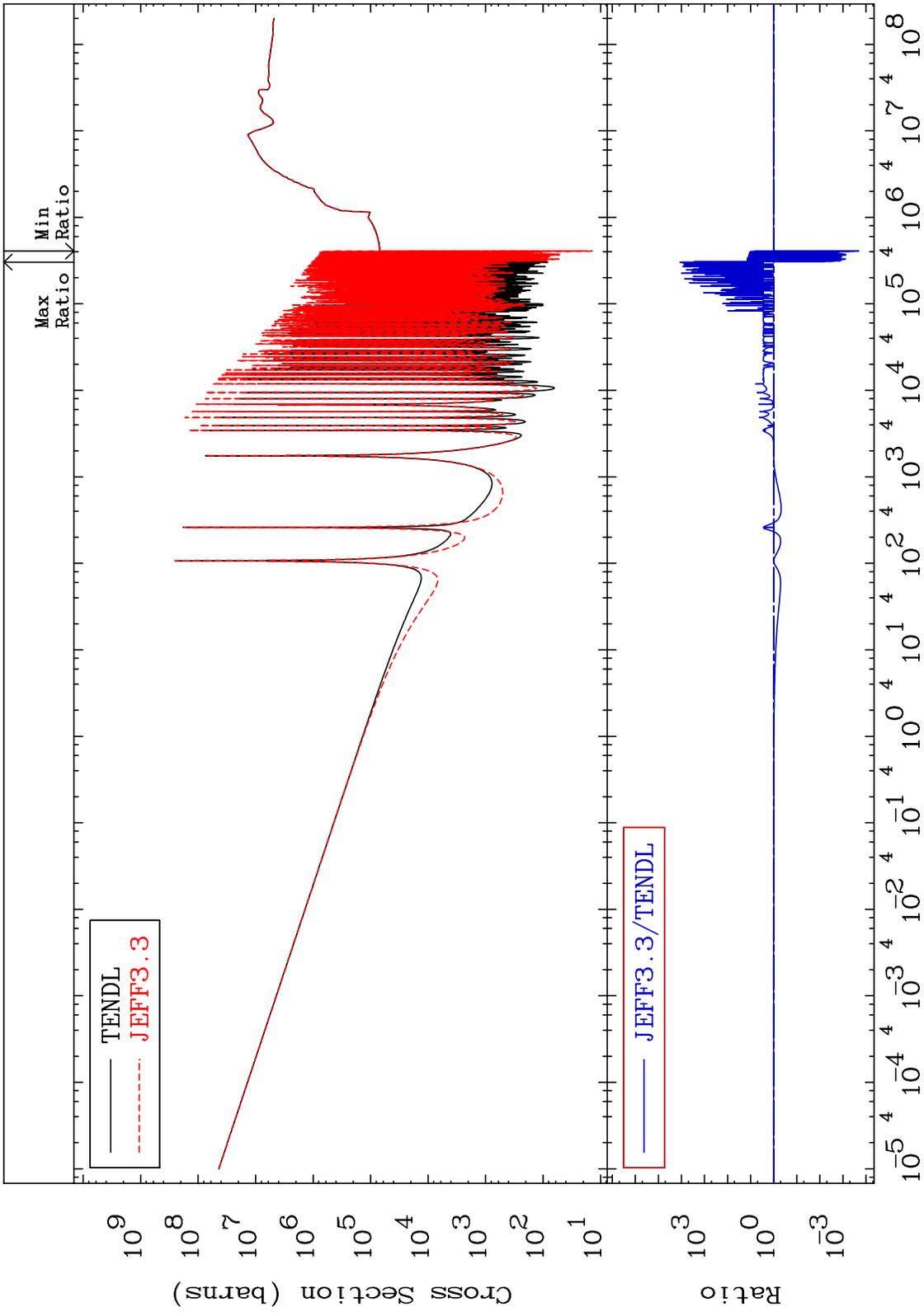
65

50-Sn-122

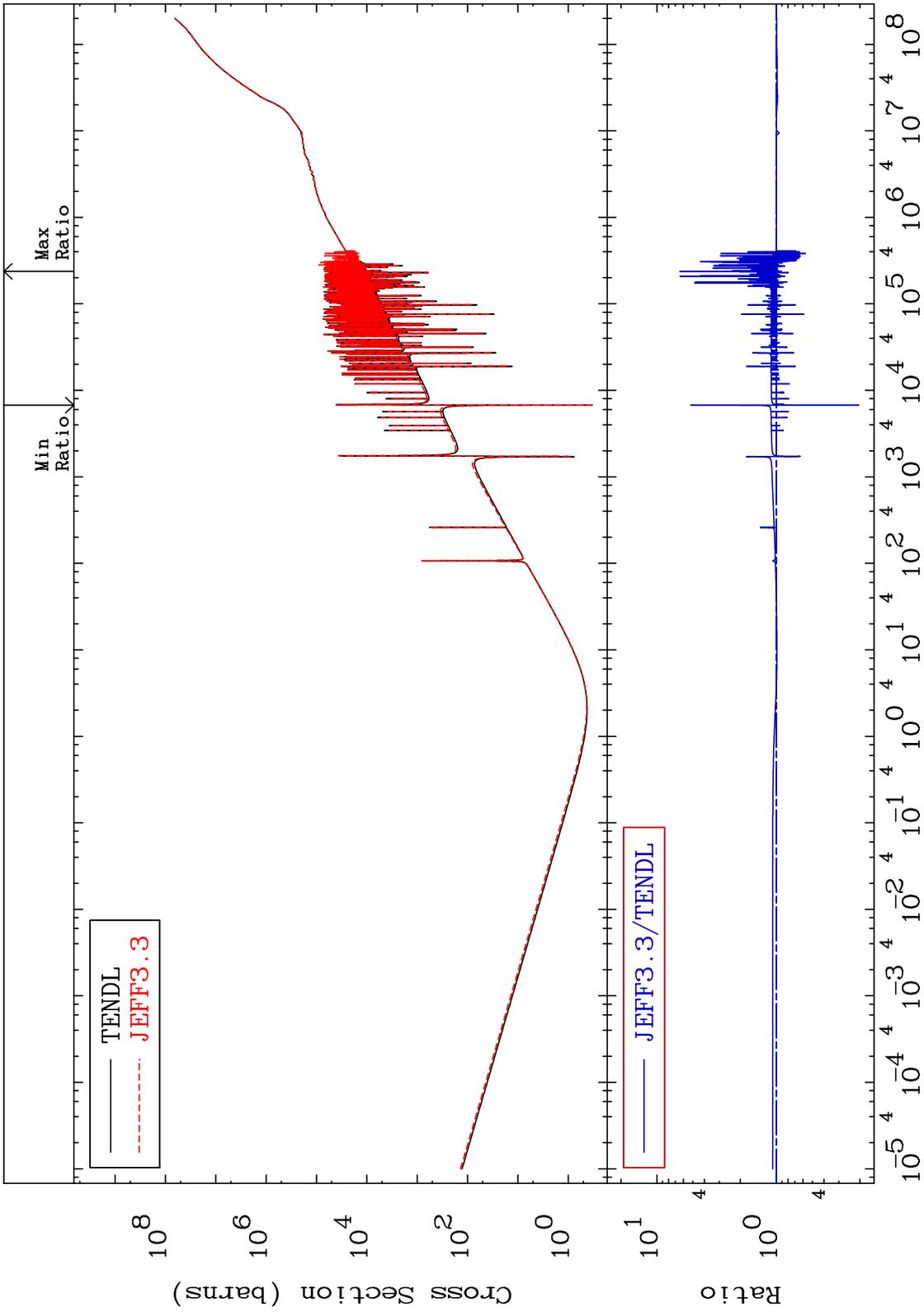
MAT 5055      Kerma capture (mt102)      50-Sn-122  
 Cross Section      -99.98 To 9999. %



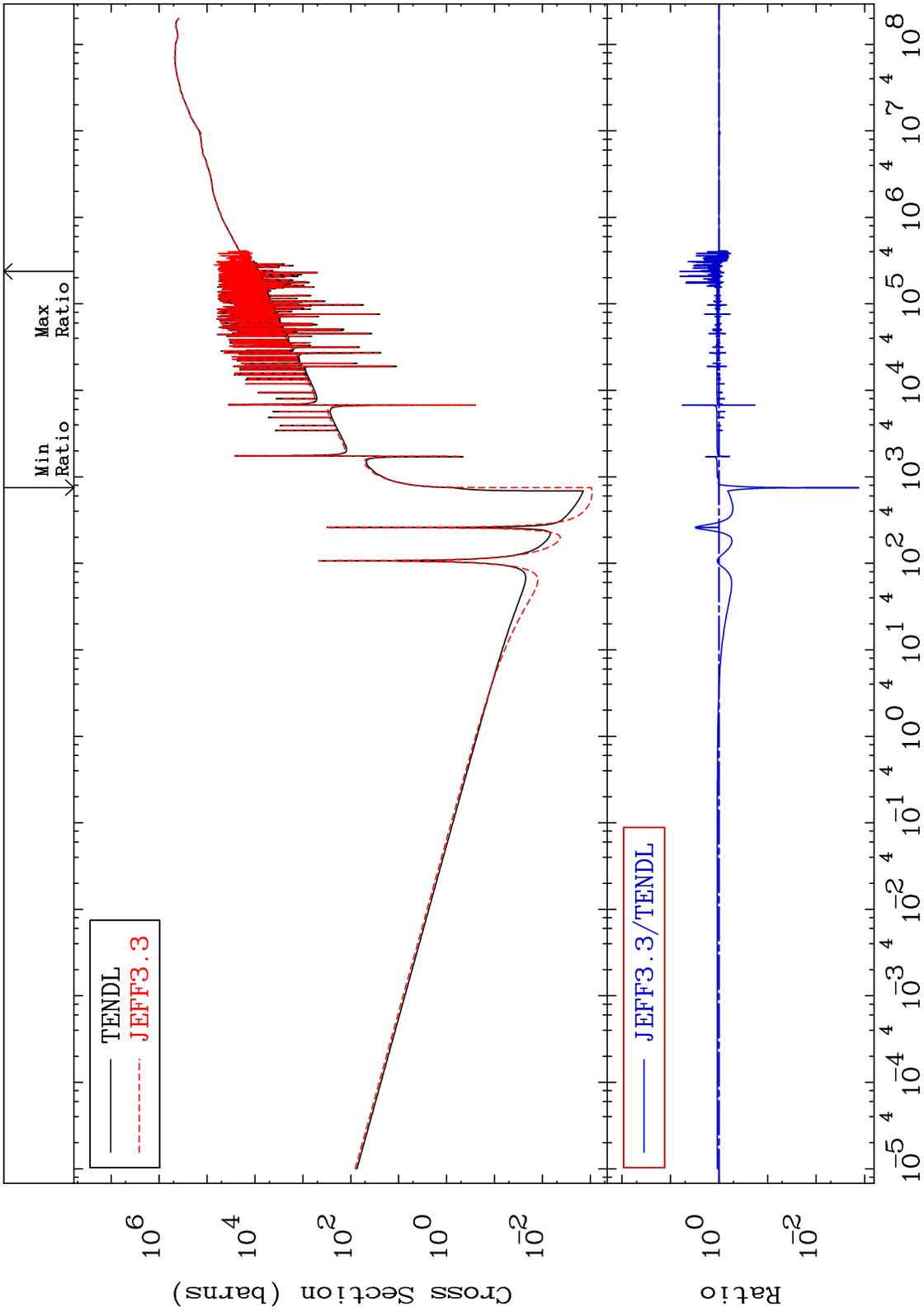
MAT 5055 Total photon (eV-barns) Cross Section 50-Sn-122  
 -99.98 To 9999. %



MAT 5055 Total kinematic kerma (high limit) 50-Sn-122  
 Cross Section -79.58 To 543.6 %



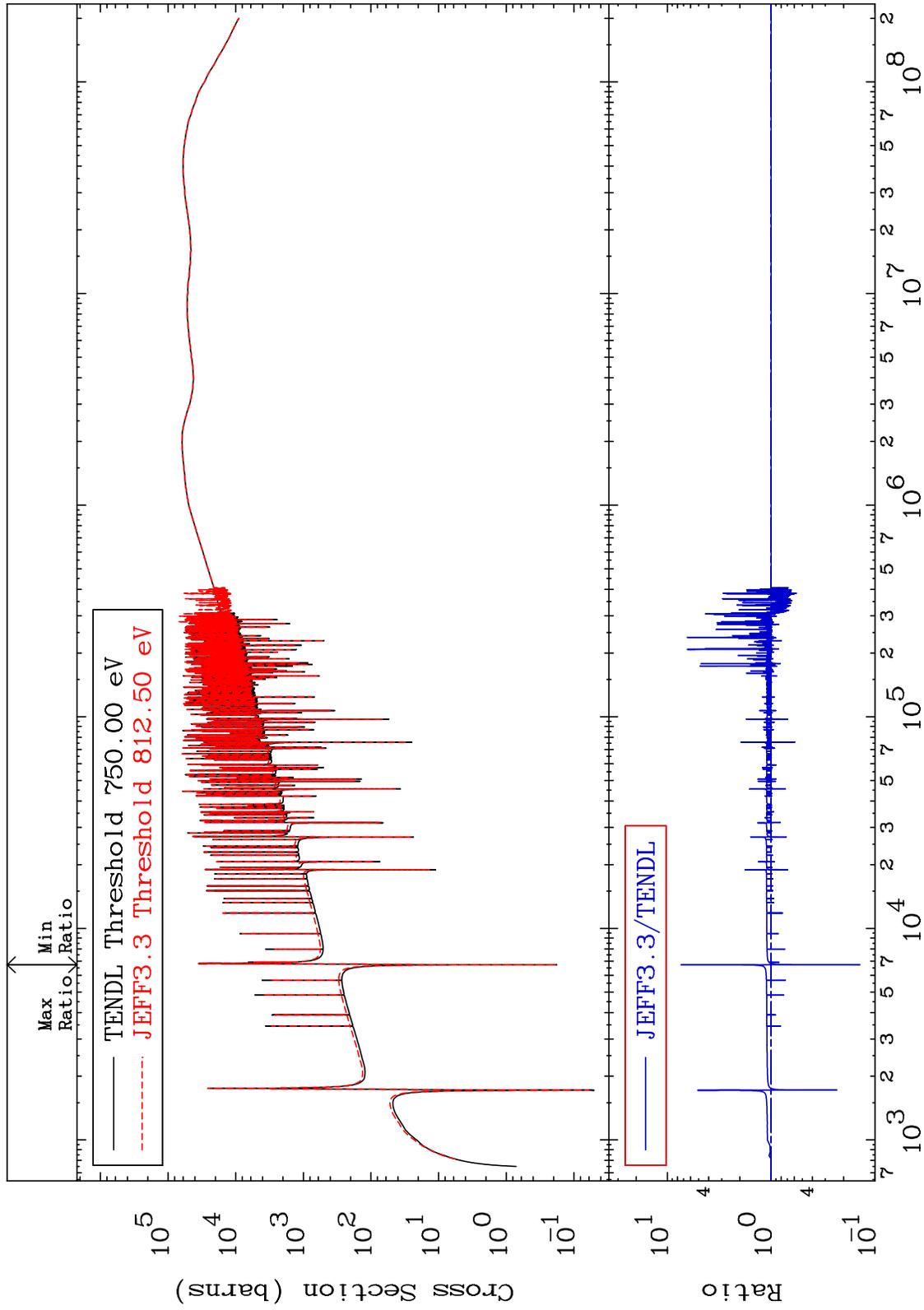
MAT 5055      Dpa total (eV-barns)      50-Sn-122  
 Cross Section      -99.87 To 543.6 %



MAT 5055

Dpa elastic (mt2)  
Cross Section

50-Sn-122  
-86.04 To 636.6 %

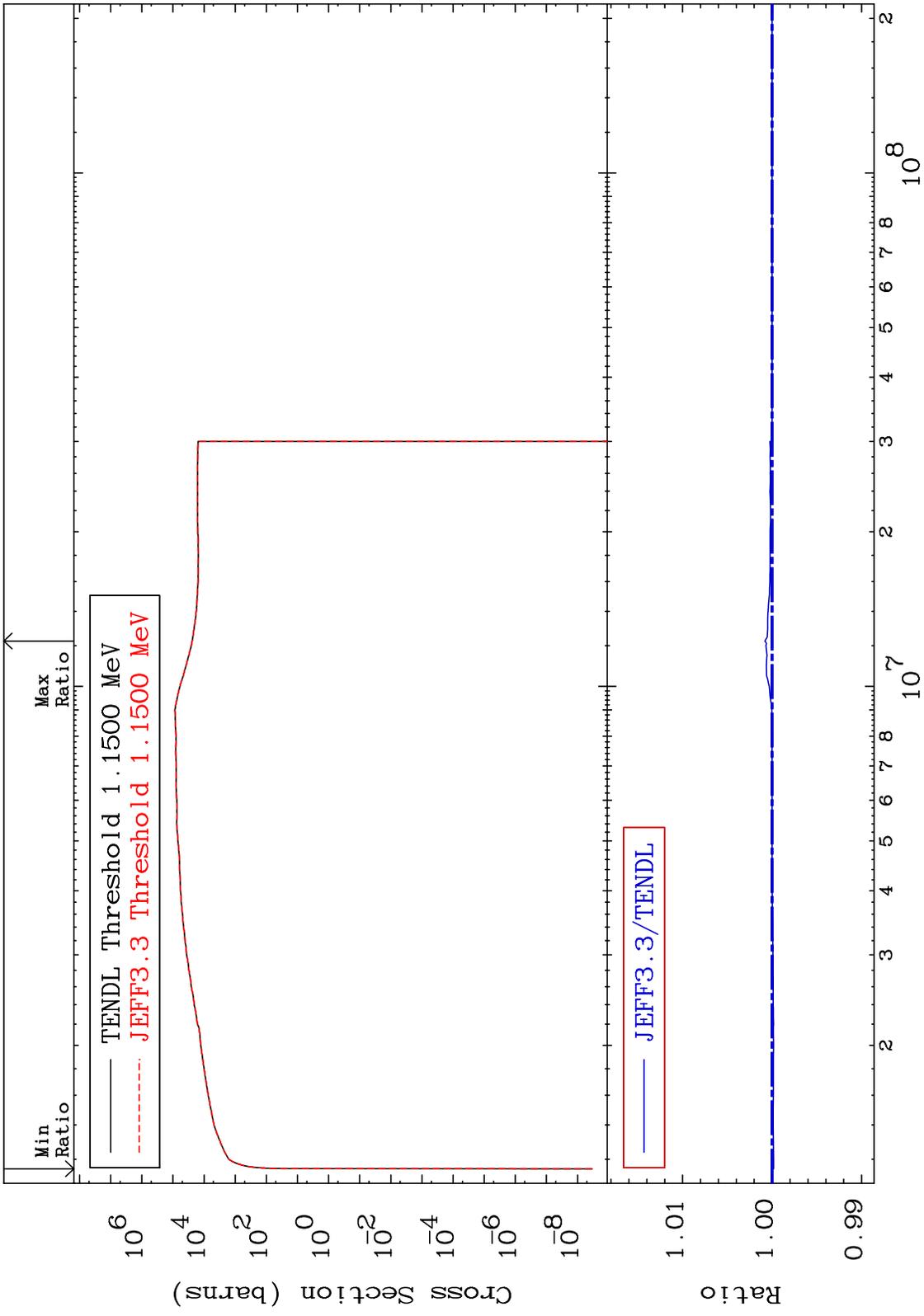


70

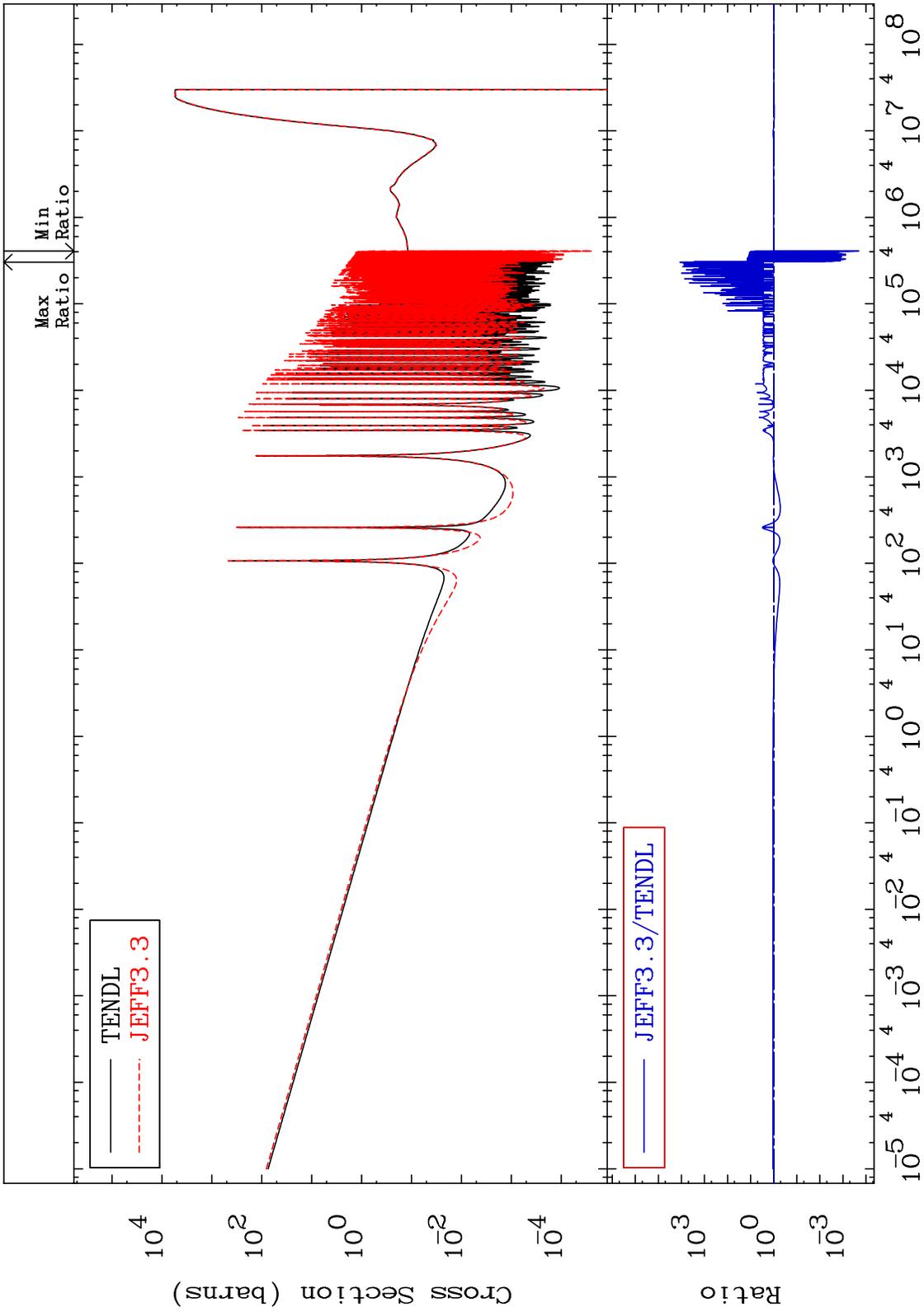
Incident Energy (eV)

50-Sn-122

MAT 5055      Dpa inelastic (mt51-91)      50-Sn-122  
 Cross Section      -0.017 To 0.080 %



MAT 5055      Dpa disappearance (mt102 -120)      50-Sn-122  
 Cross Section      -99.98 To 9999. %

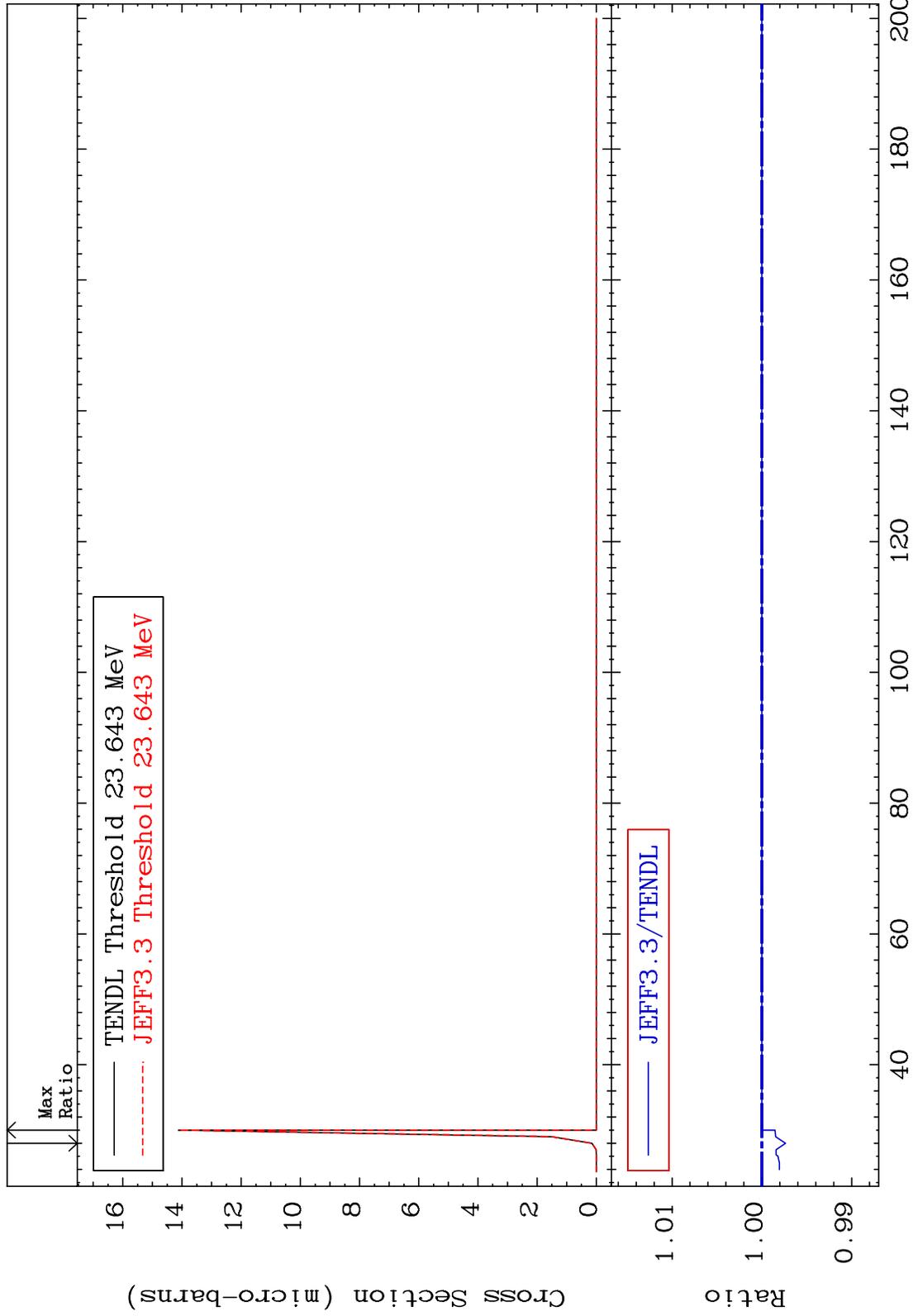


MAT 5055

(n,2n) d:49-In-119g

50-Sn-122

Radionuclide Production Cross Section -0.265 To 0.000 %



73

Incident Energy (MeV)

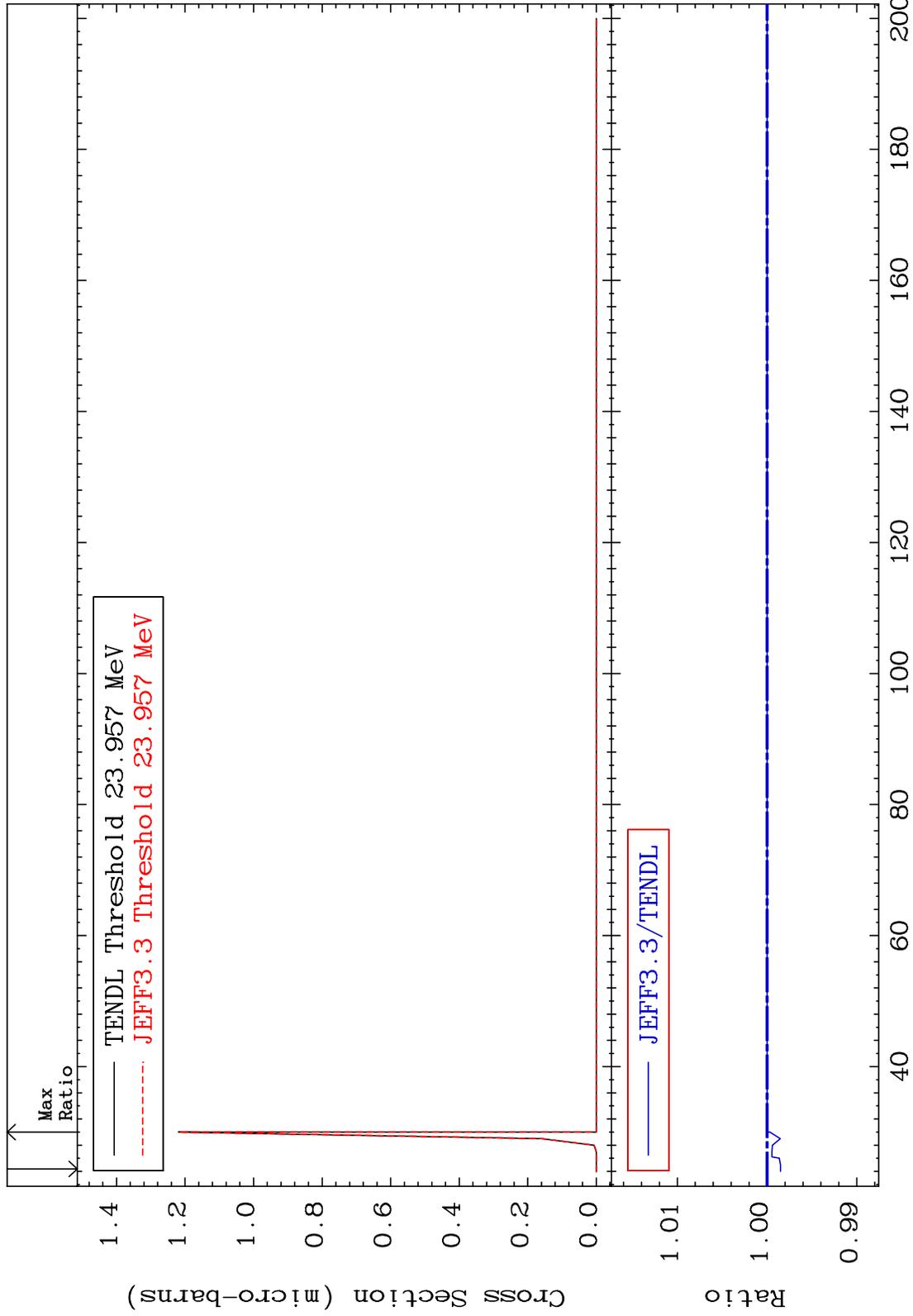
50-Sn-122

MAT 5055

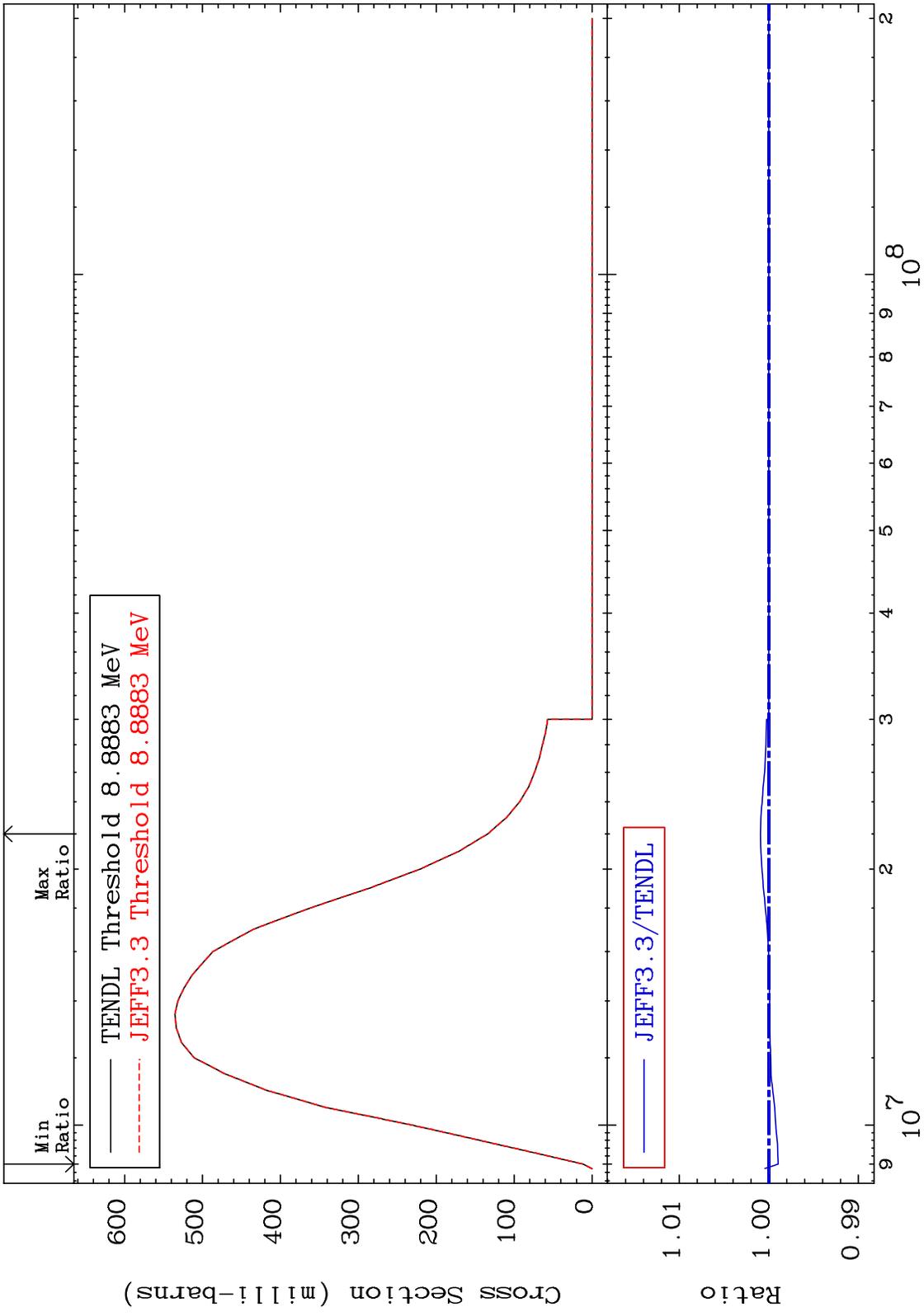
(n,2n) d:49-In-119m1

50-Sn-122

Radionuclide Production Cross Section -0.148 To 0.000 %



MAT 5055 (n,2n):50-Sn-121g 50-Sn-122  
Radionuclide Production Cross Section -0.103 To 0.094 %



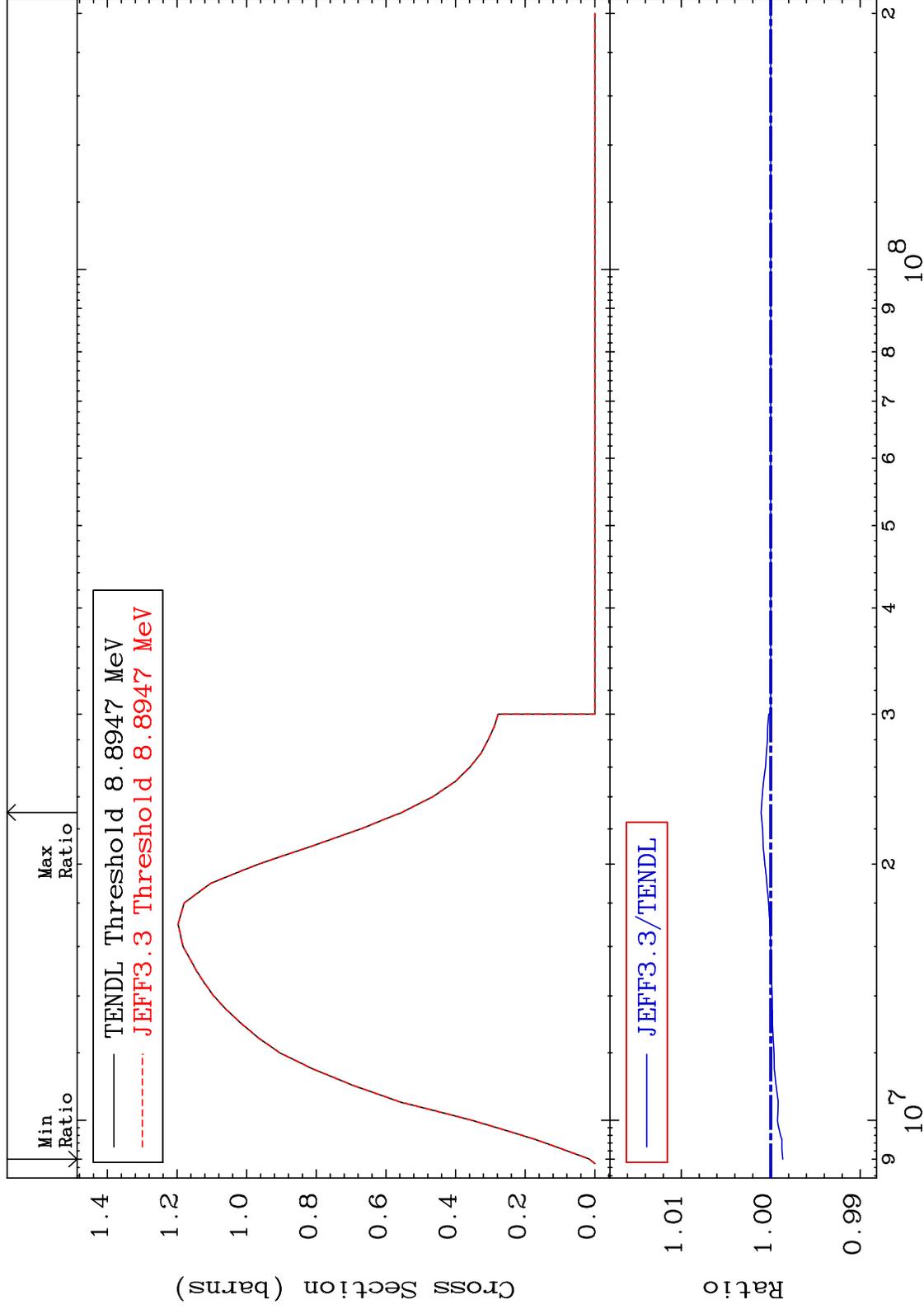
75 Incident Energy (eV) 50-Sn-122

MAT 5055

(n,2n):50-Sn-121m1

50-Sn-122

Radionuclide Production Cross Section -0.134 To 0.107 %

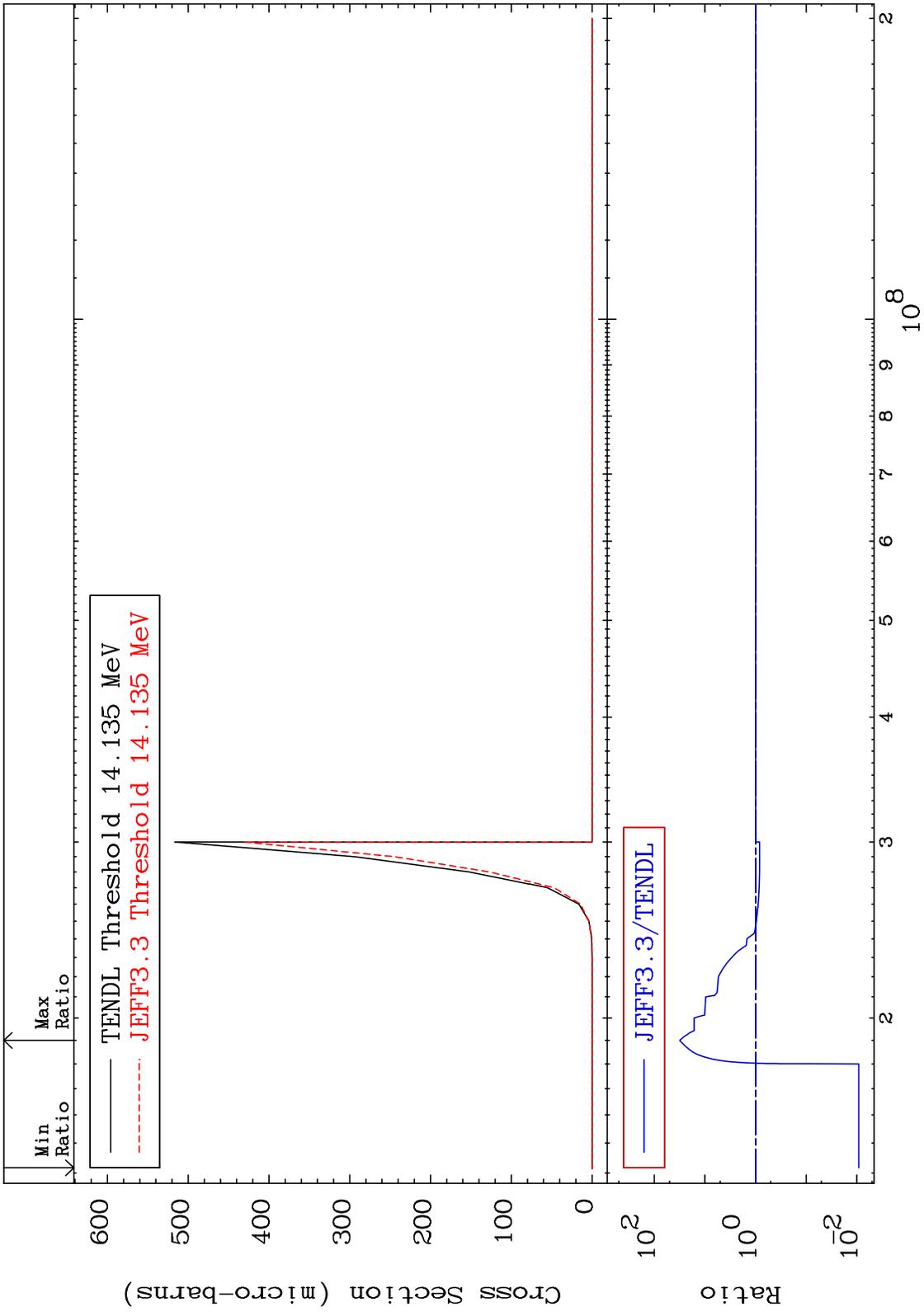


76

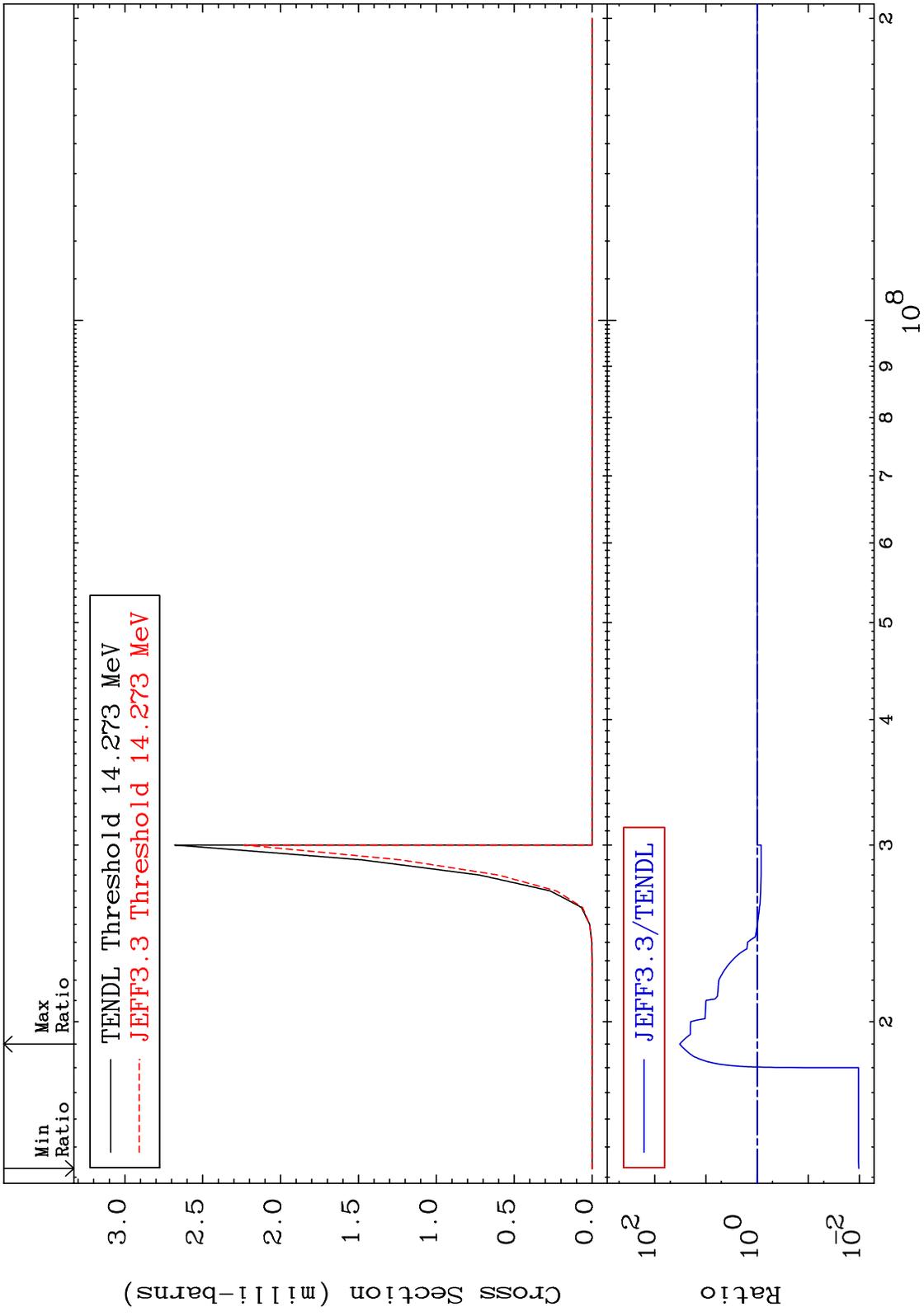
Incident Energy (eV)

50-Sn-122

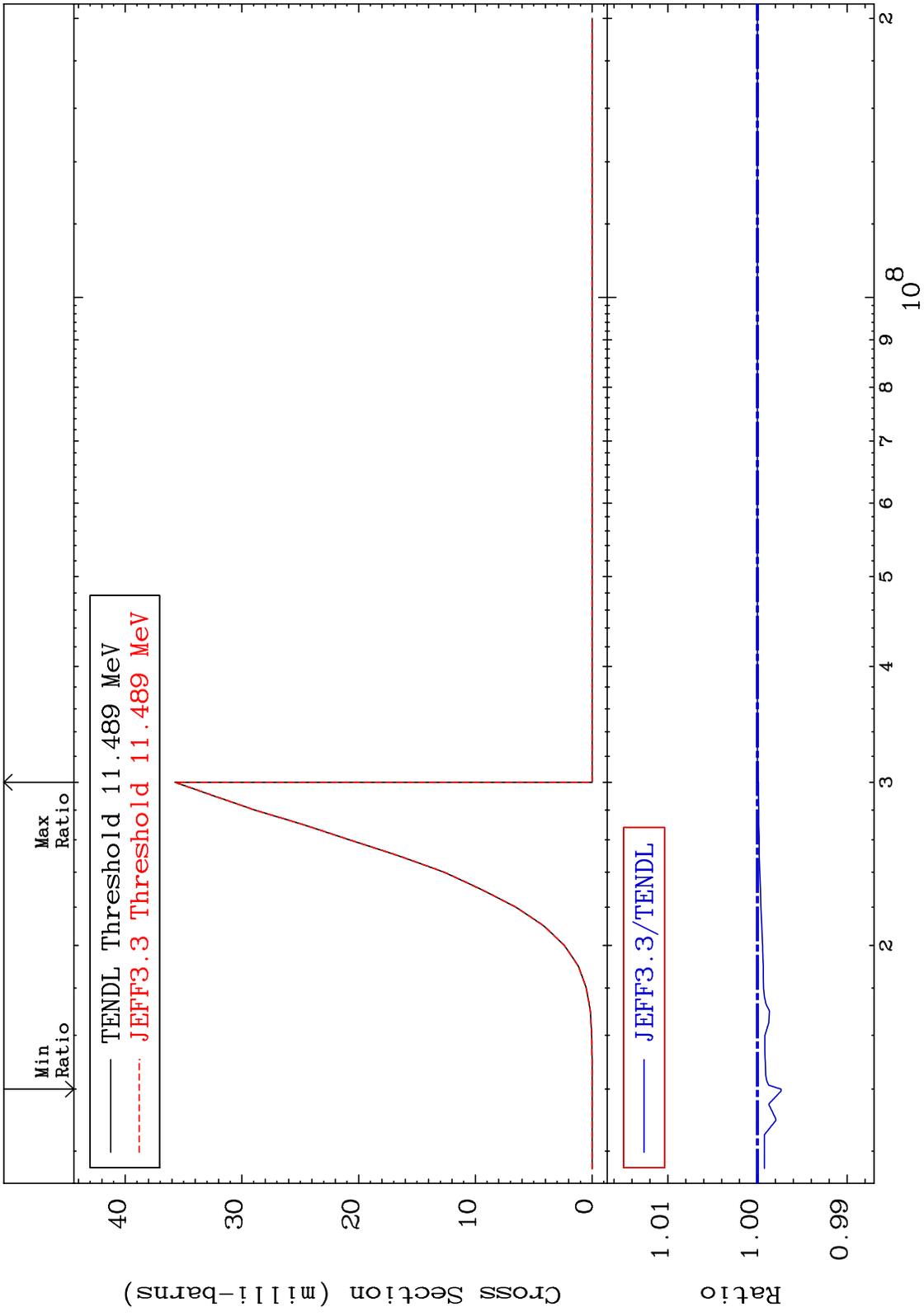
MAT 5055 (n,2n)  $\alpha$ :48-Cd-117g 50-Sn-122  
 Radionuclide Production Cross Section -99.09 To 3039. %



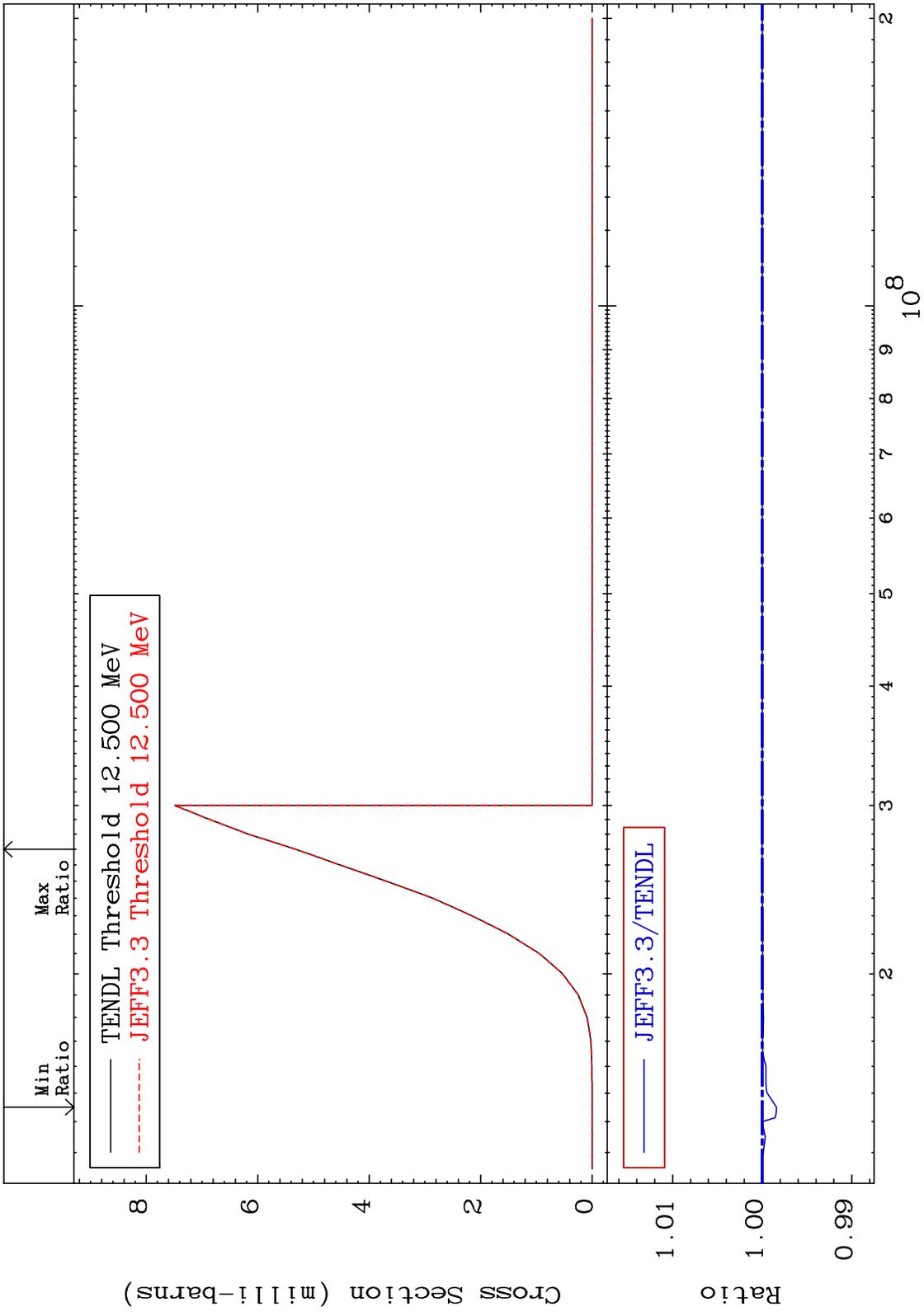
MAT 5055 (n,2n)  $\alpha$ : 48-Cd-117m2 50-Sn-122  
 Radionuclide Production Cross Section -98.97 To 3151. %



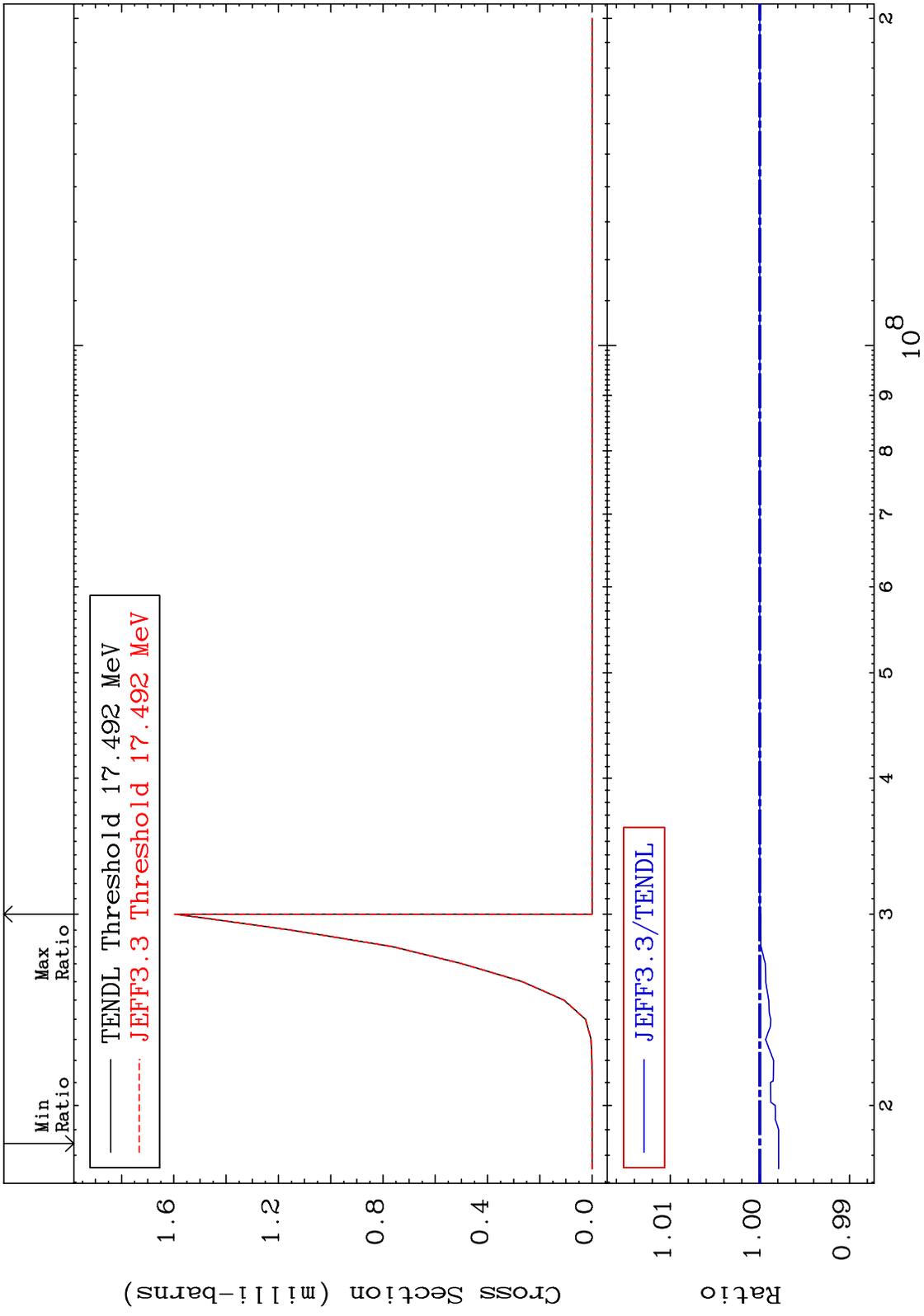
MAT 5055 (n, n') p:49-In-121g 50-Sn-122  
 Radionuclide Production Cross Section -0.264 To 0.000 %



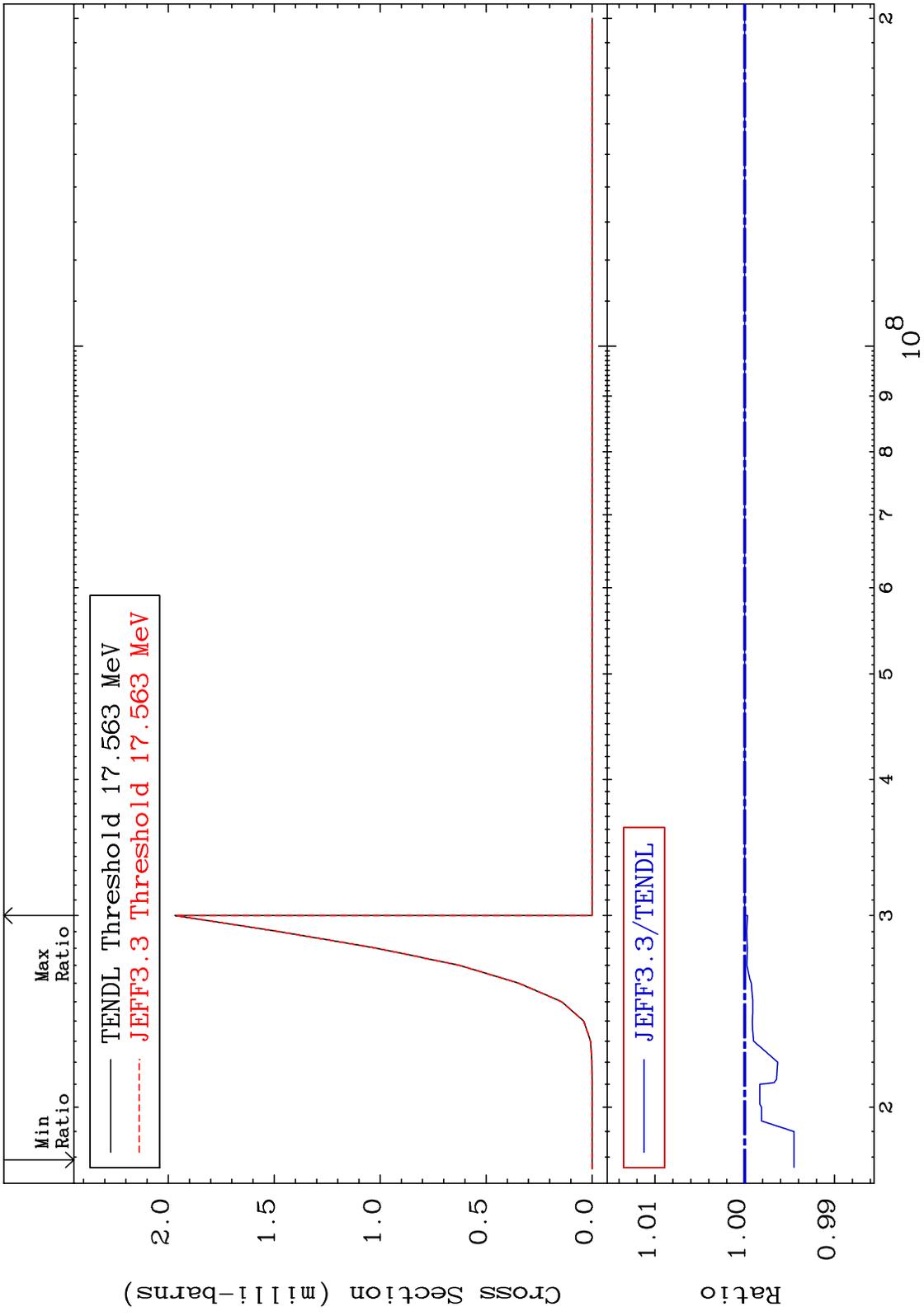
MAT 5055 (n, n') p:49-In-121m1 50-Sn-122  
 Radionuclide Production Cross Section -0.159 To 0.001 %



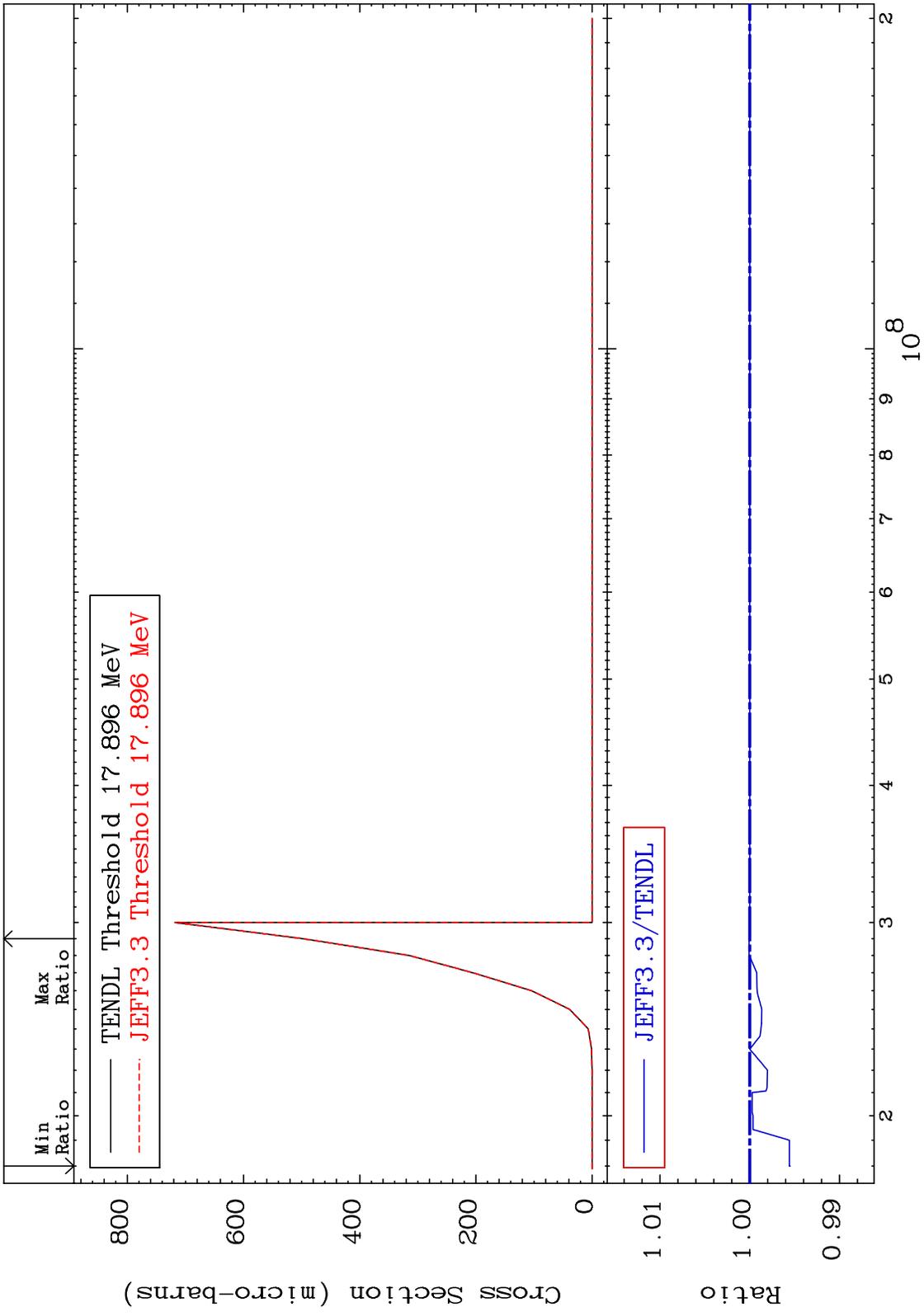
MAT 5055 (n, n') d:49-In-120g 50-Sn-122  
 Radionuclide Production Cross Section -0.211 To 0.000 %



MAT 5055 (n,n') d:49-In-120m1 50-Sn-122  
 Radionuclide Production Cross Section -0.549 To 0.000 %



MAT 5055 (n,n') d:49-In-120m2 50-Sn-122  
 Radionuclide Production Cross Section -0.442 To 0.007 %

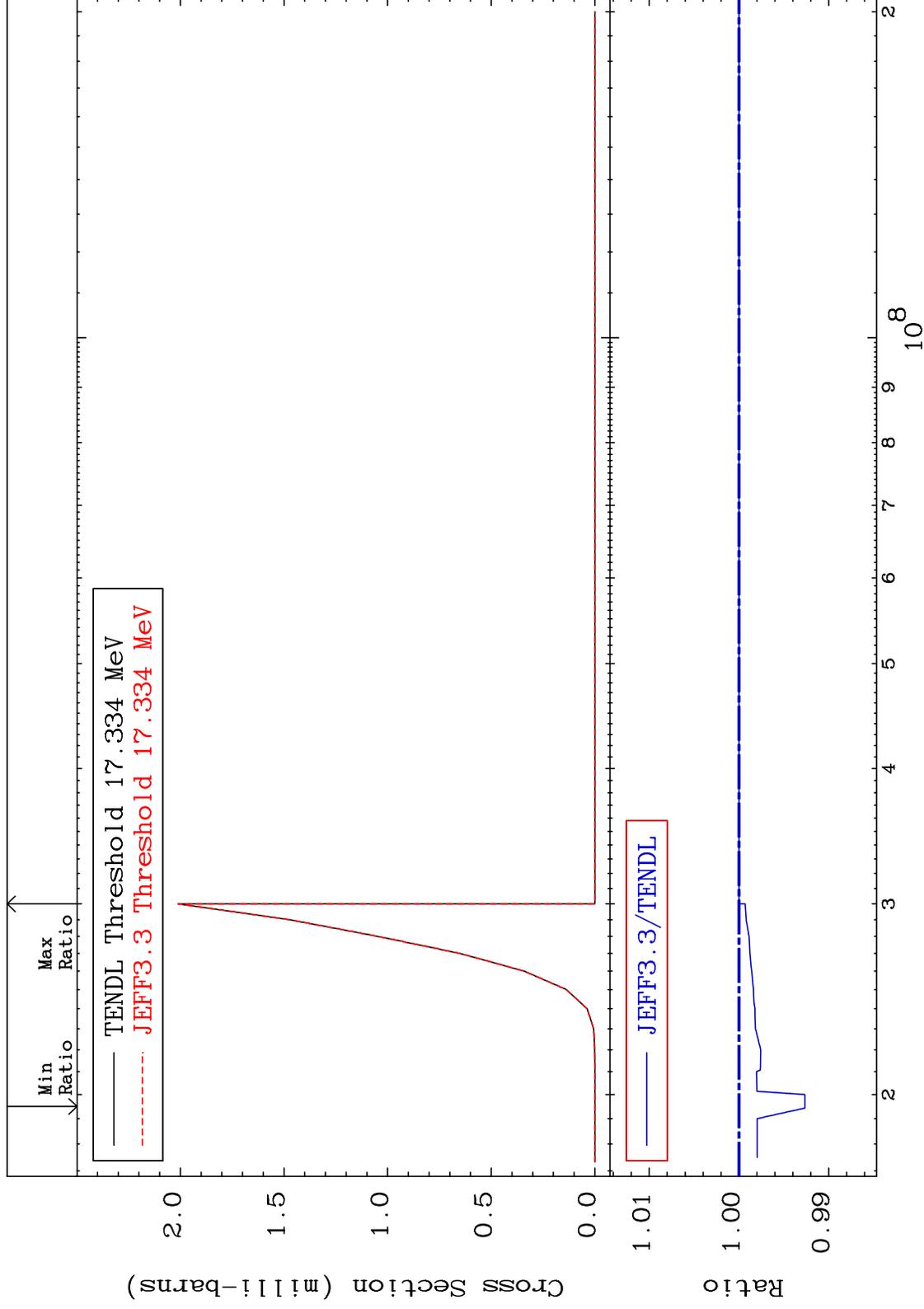


MAT 5055

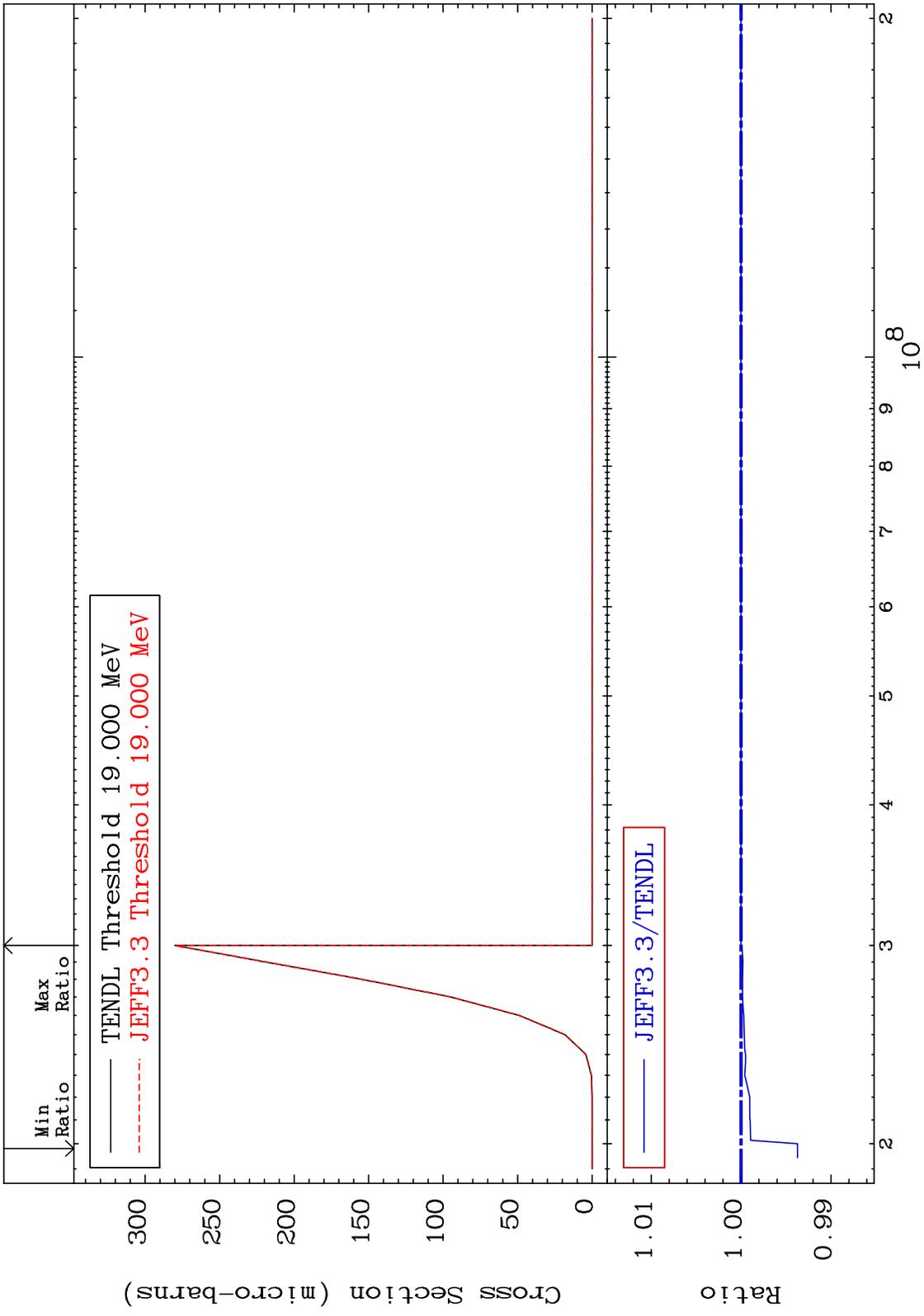
(n, n') t:49-In-119g

50-Sn-122

Radionuclide Production Cross Section -0.733 To 0.000 %



MAT 5055 (n,n') t:49-In-119m1 50-Sn-122  
 Radionuclide Production Cross Section -0.628 To 0.000 %

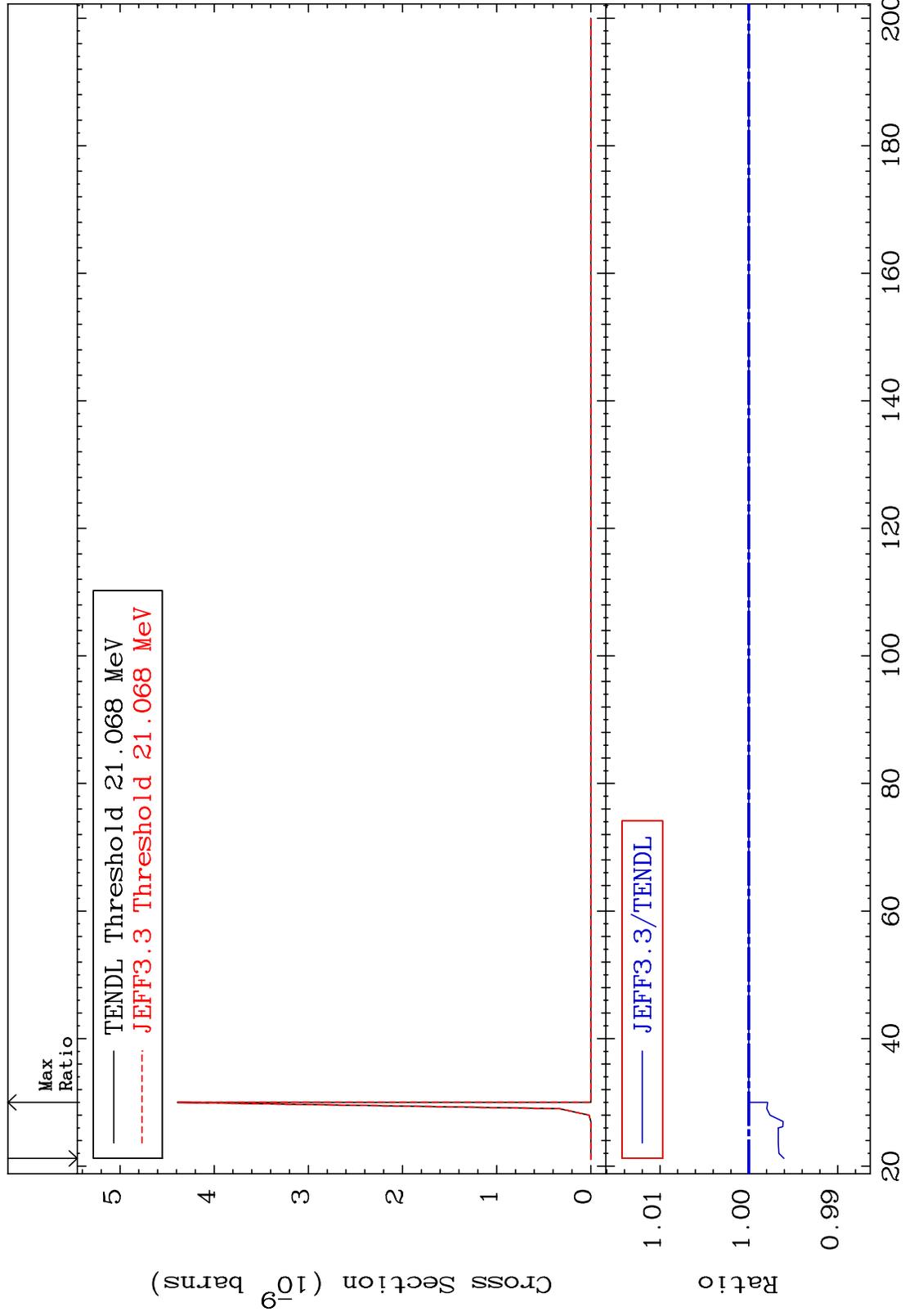


MAT 5055

(n,n') He-3:48-Cd-119g

50-Sn-122

Radionuclide Production Cross Section -0.395 To 0.000 %

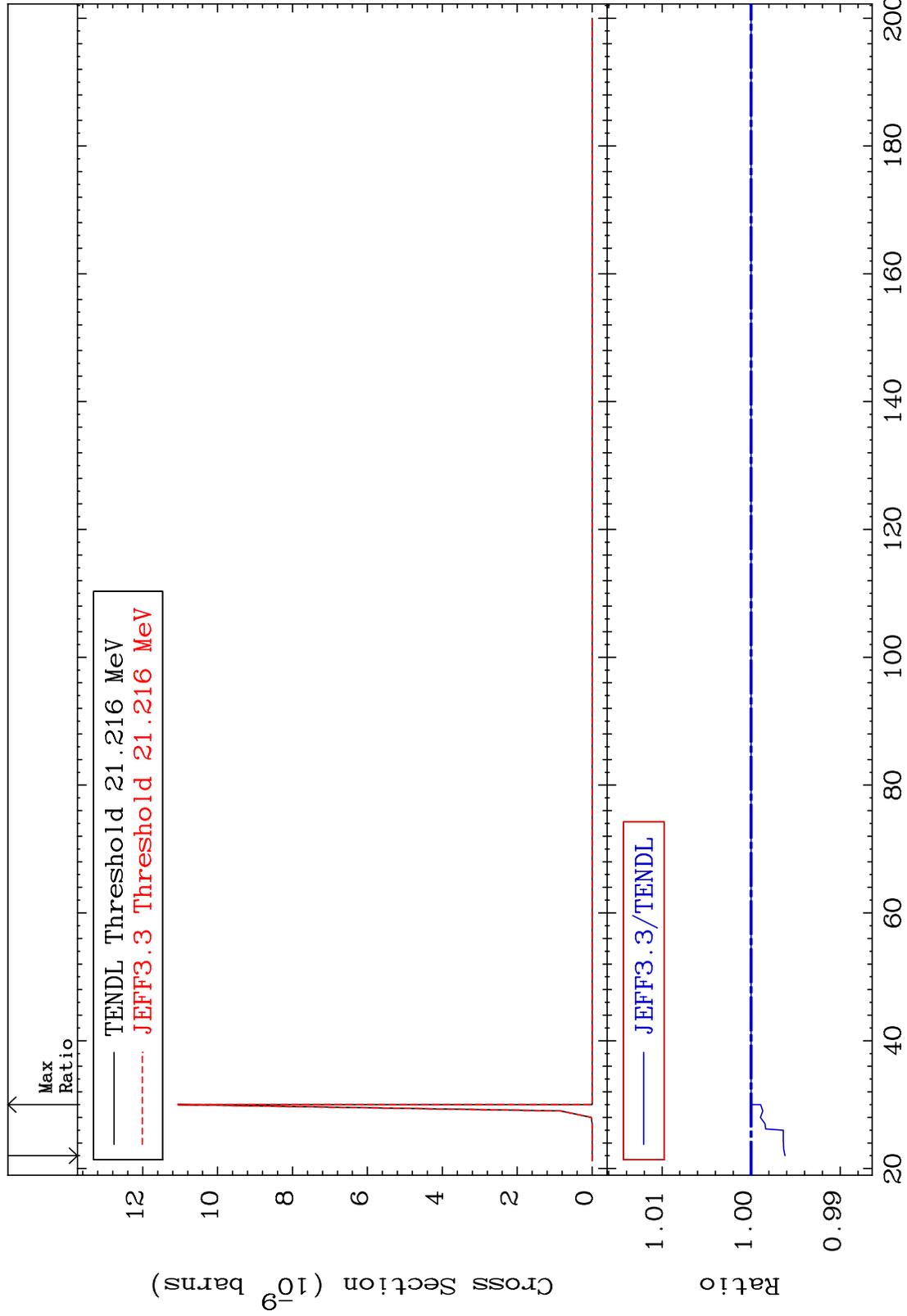


MAT 5055

(n,n') He-3:48-Cd-119m2

50-Sn-122

Radionuclide Production Cross Section -0.381 To 0.000 %



87

Incident Energy (MeV)

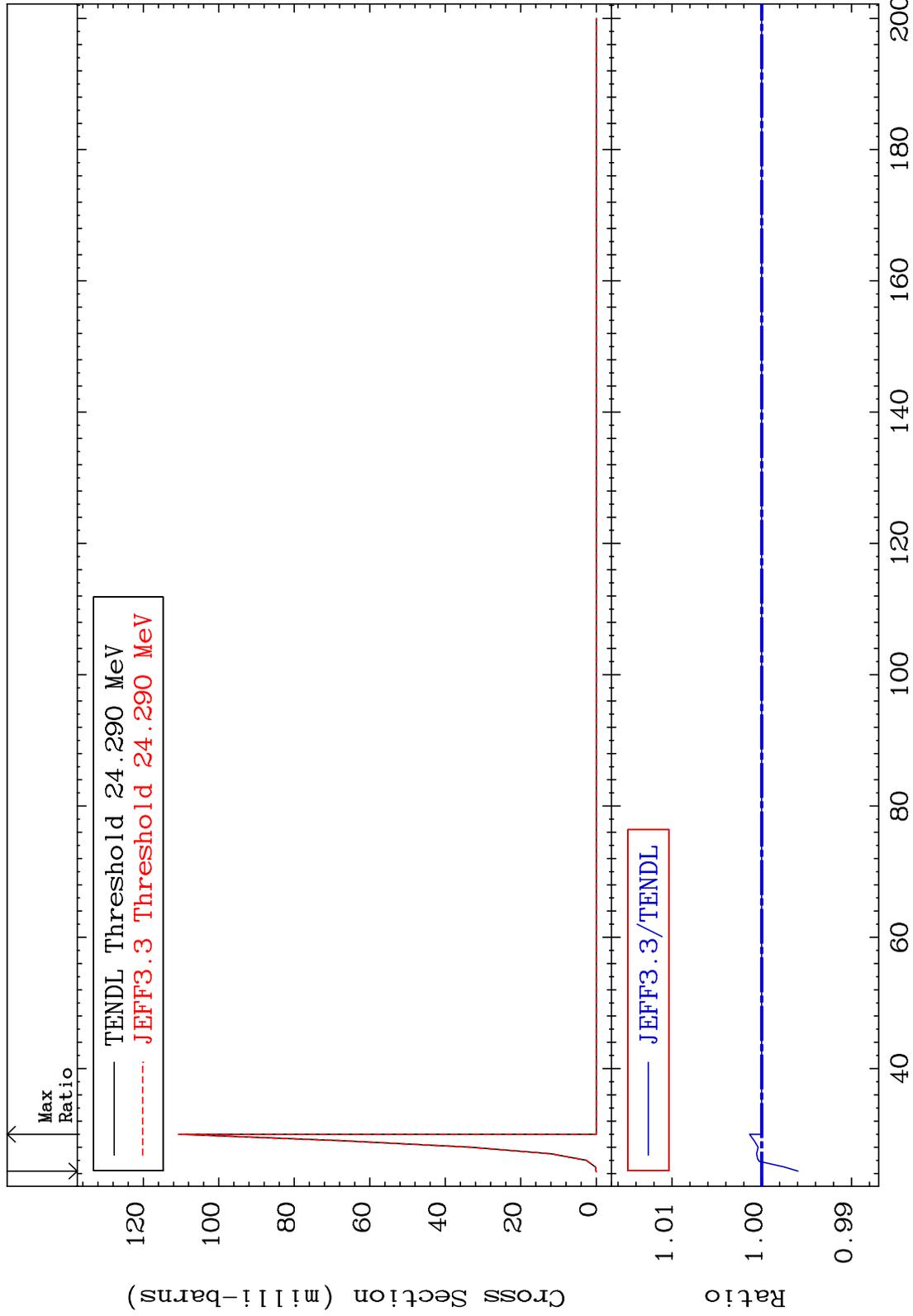
50-Sn-122

MAT 5055

(n,4n):50-Sn-119g

50-Sn-122

Radionuclide Production Cross Section -0.404 To 0.137 %

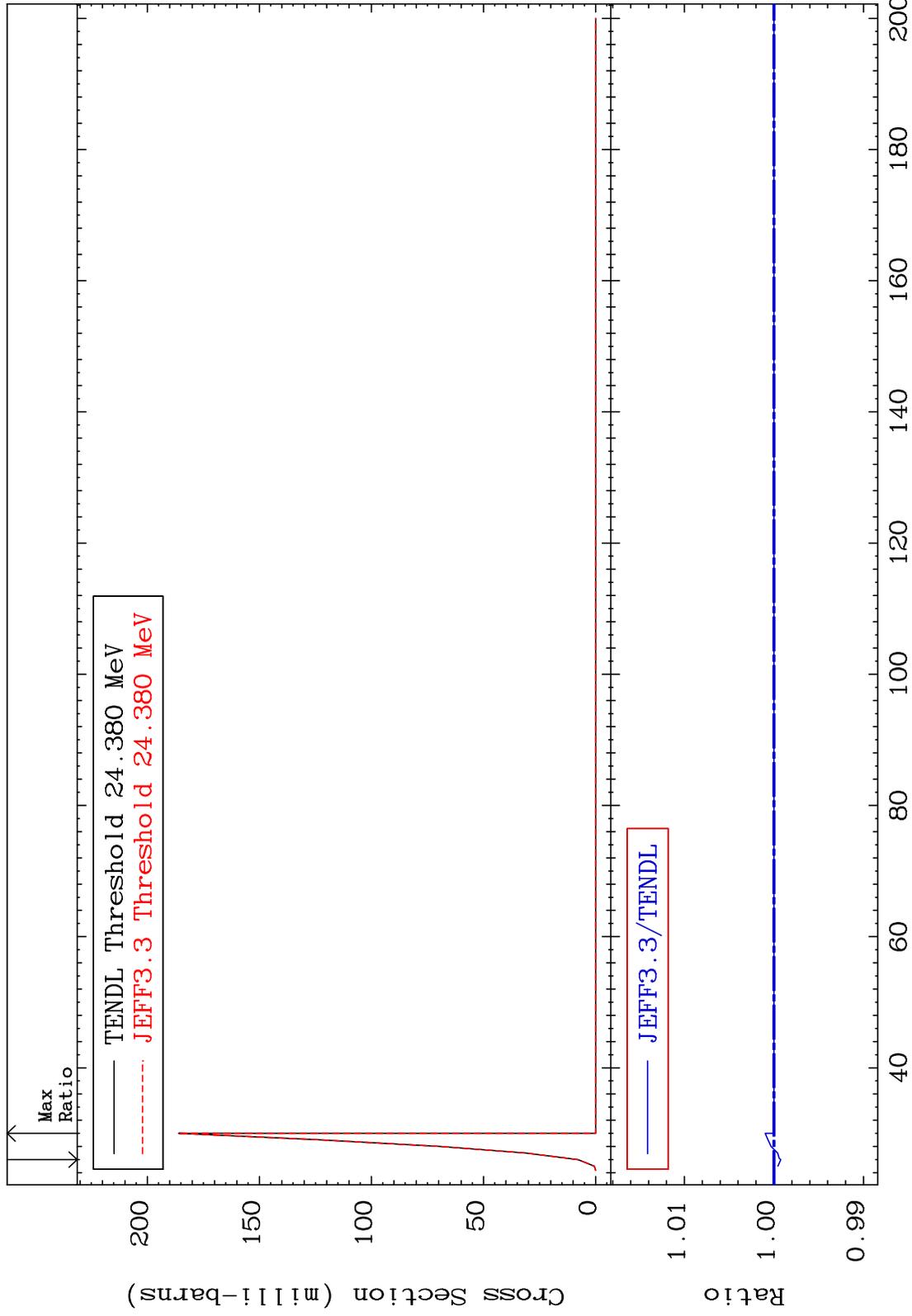


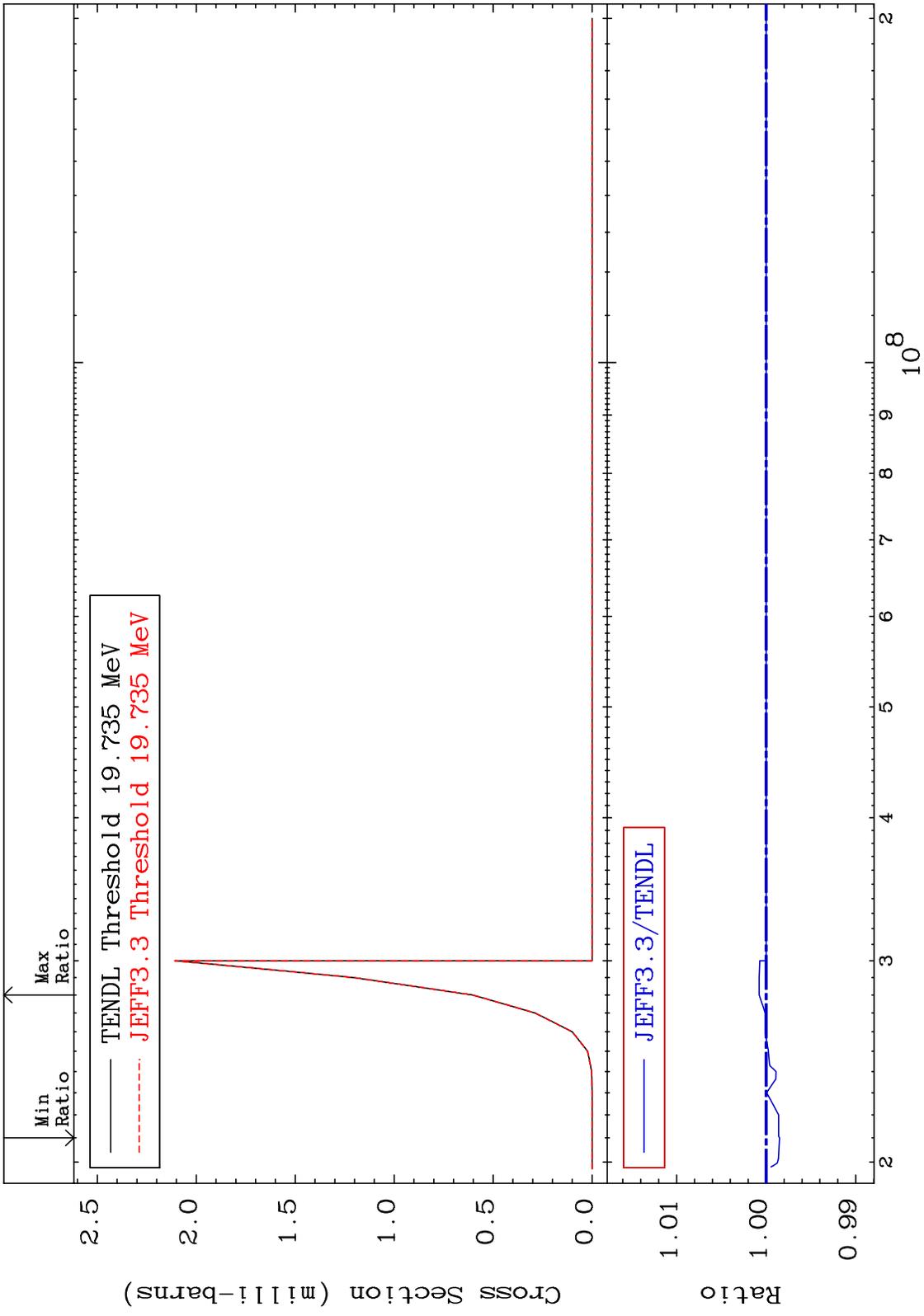
MAT 5055

(n,4n):50-Sn-119m2

50-Sn-122

Radionuclide Production Cross Section -0.075 To 0.098 %



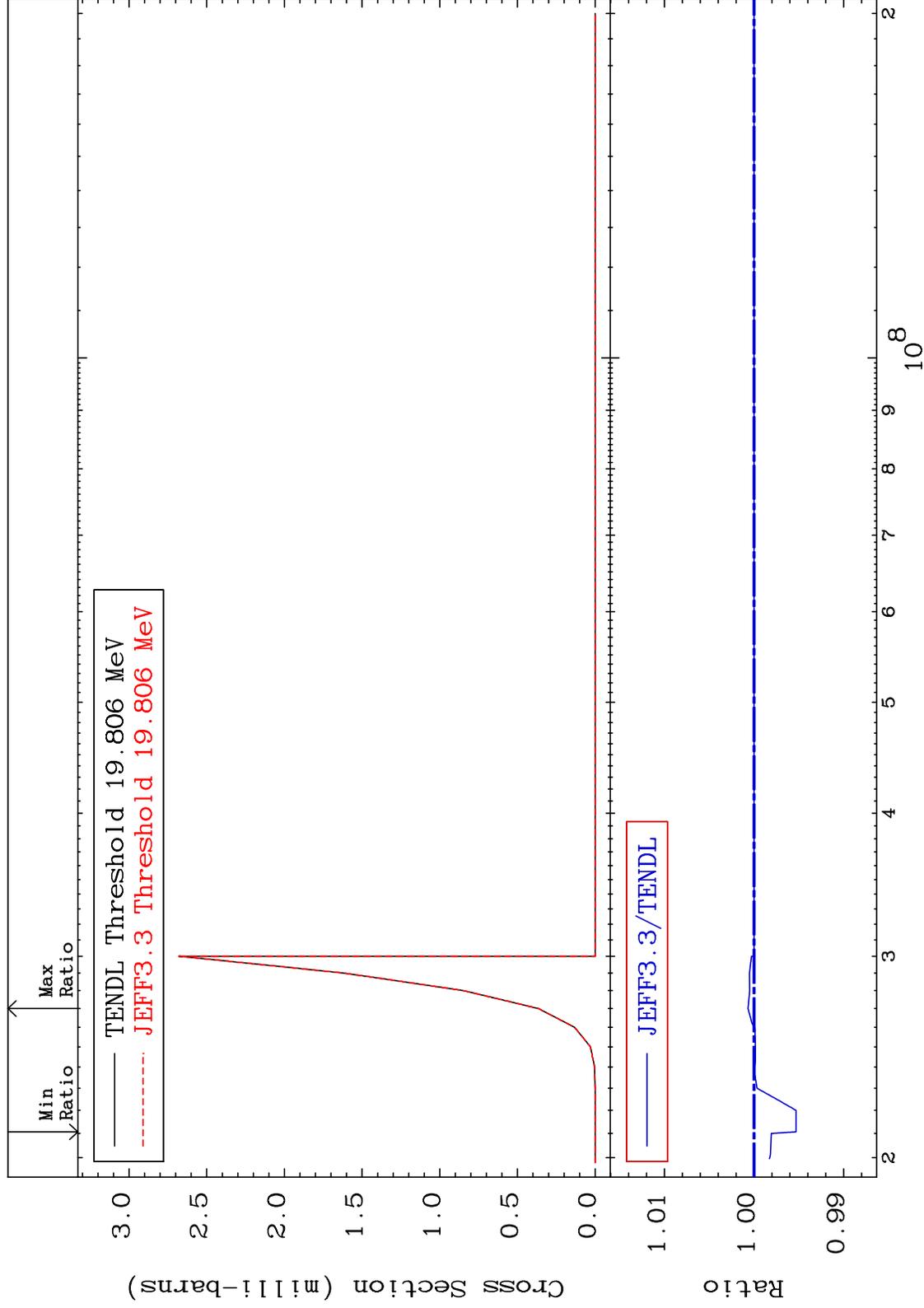


MAT 5055

(n,2n) p:49-In-120m1

50-Sn-122

Radionuclide Production Cross Section -0.469 To 0.067 %

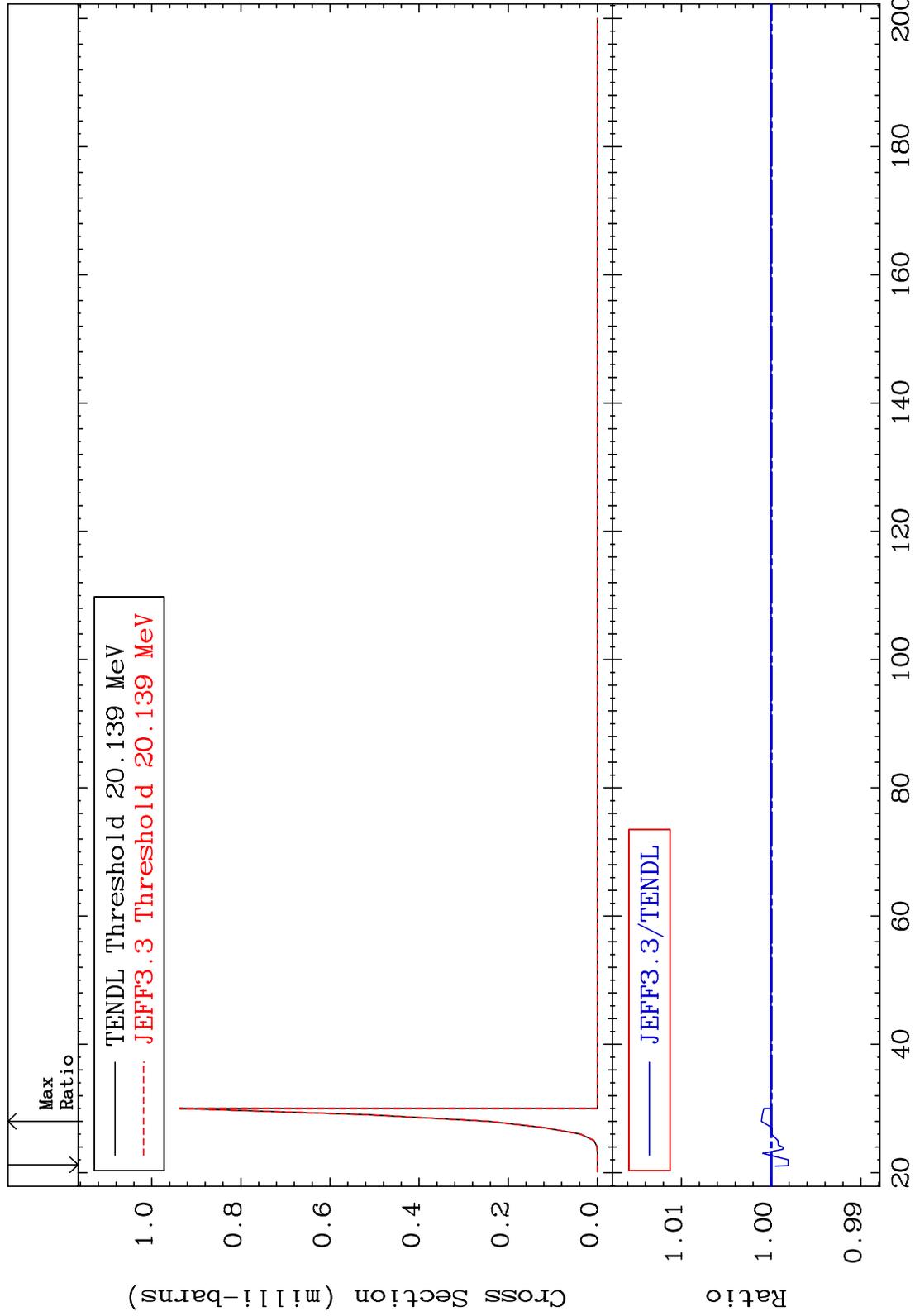


MAT 5055

(n,2n) p:49-In-120m2

50-Sn-122

Radionuclide Production Cross Section -0.191 To 0.108 %

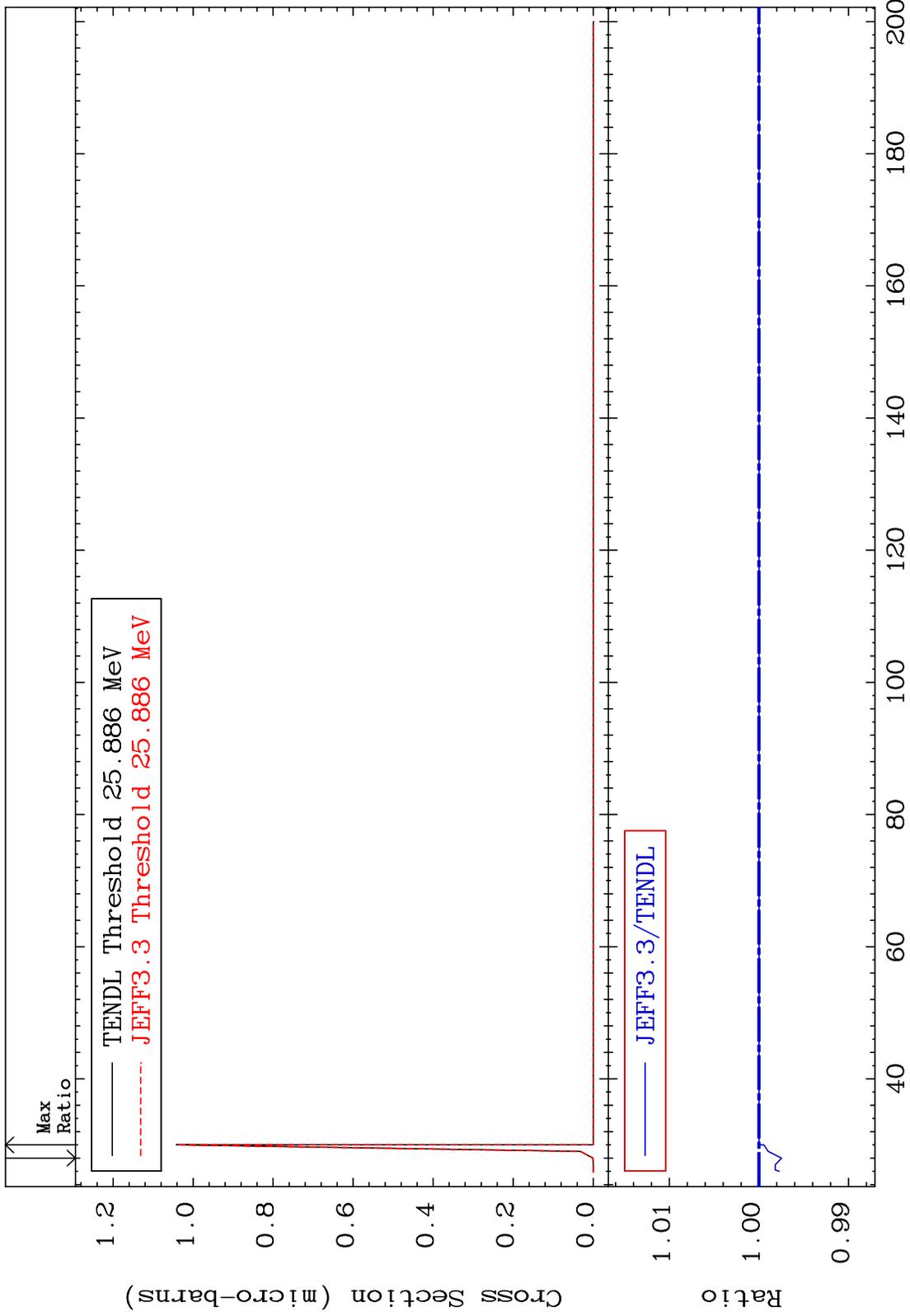


92

Incident Energy (MeV)

50-Sn-122

MAT 5055 (n,3n) p:49-In-119g 50-Sn-122  
 Radionuclide Production Cross Section -0.253 To 0.000 %

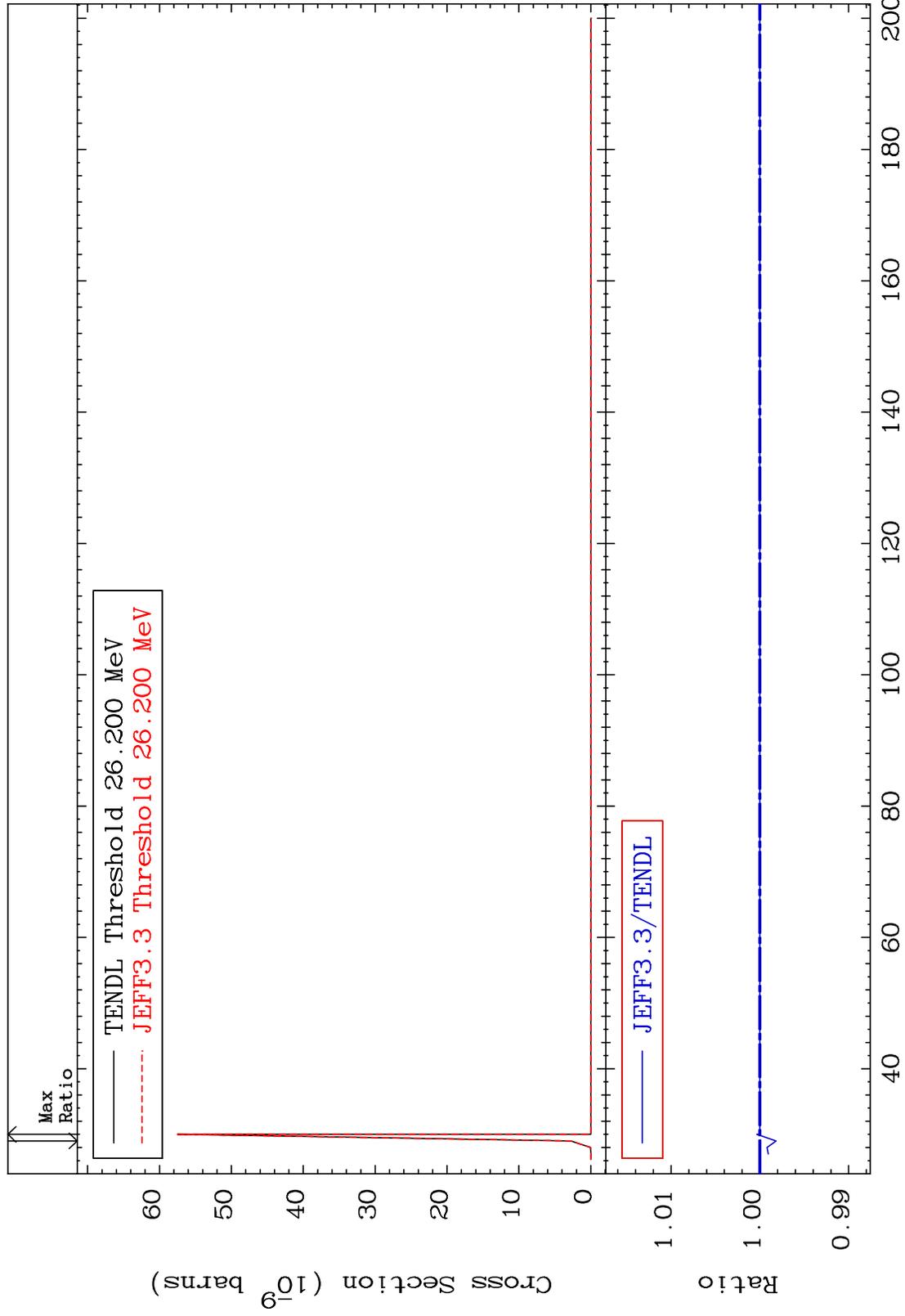


MAT 5055

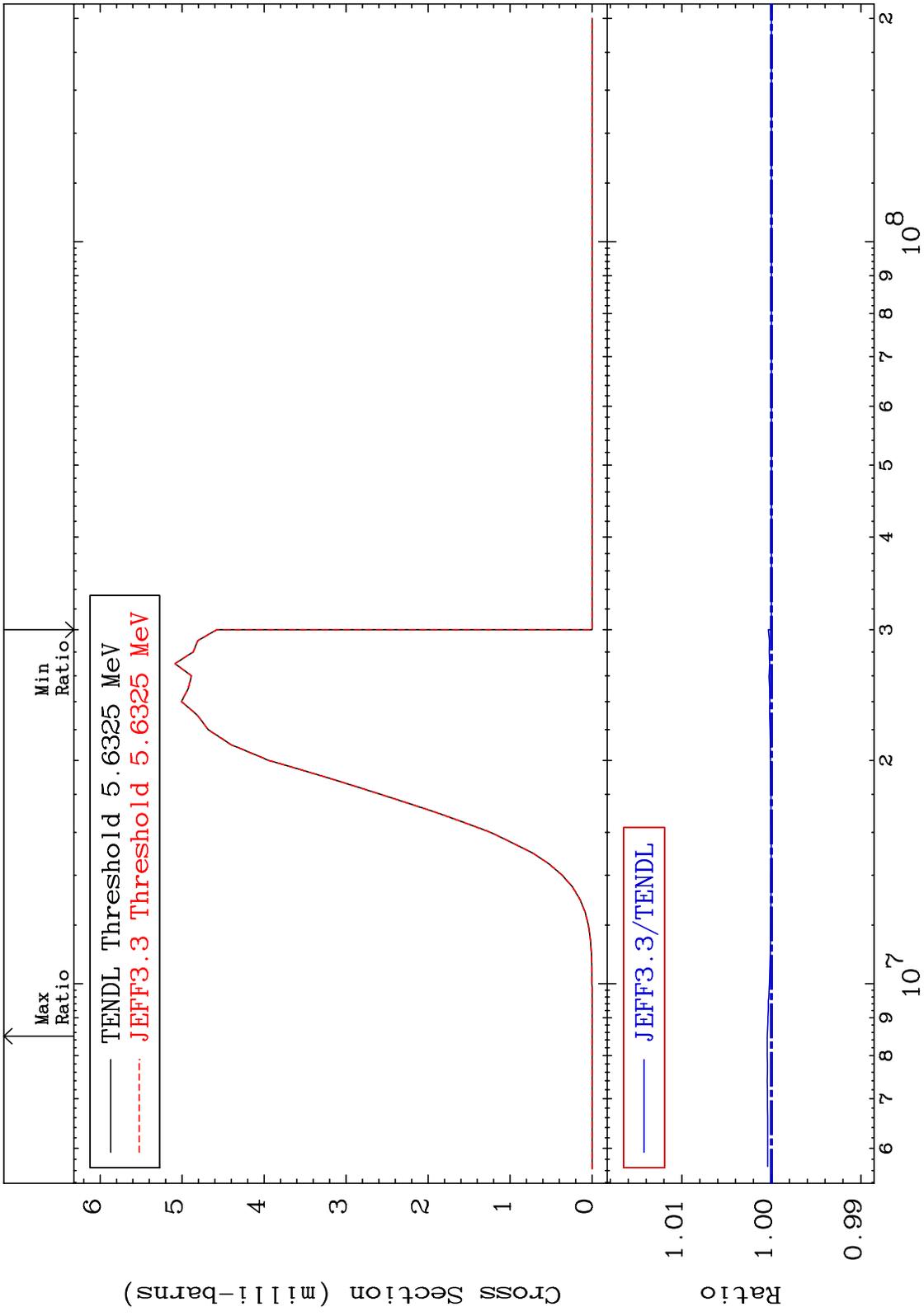
(n,3n) p:49-In-119m1

50-Sn-122

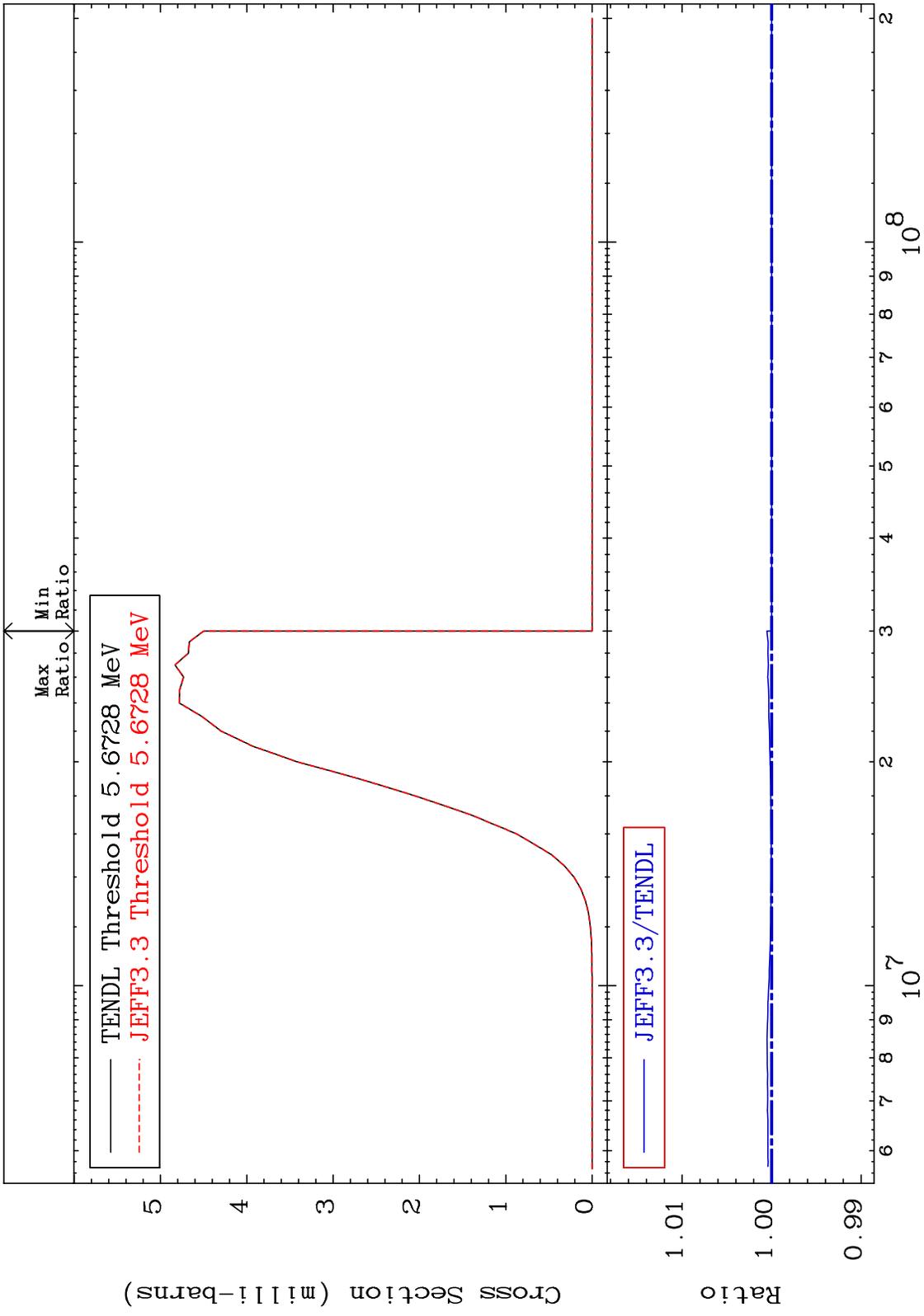
Radionuclide Production Cross Section -0.182 To 0.035 %



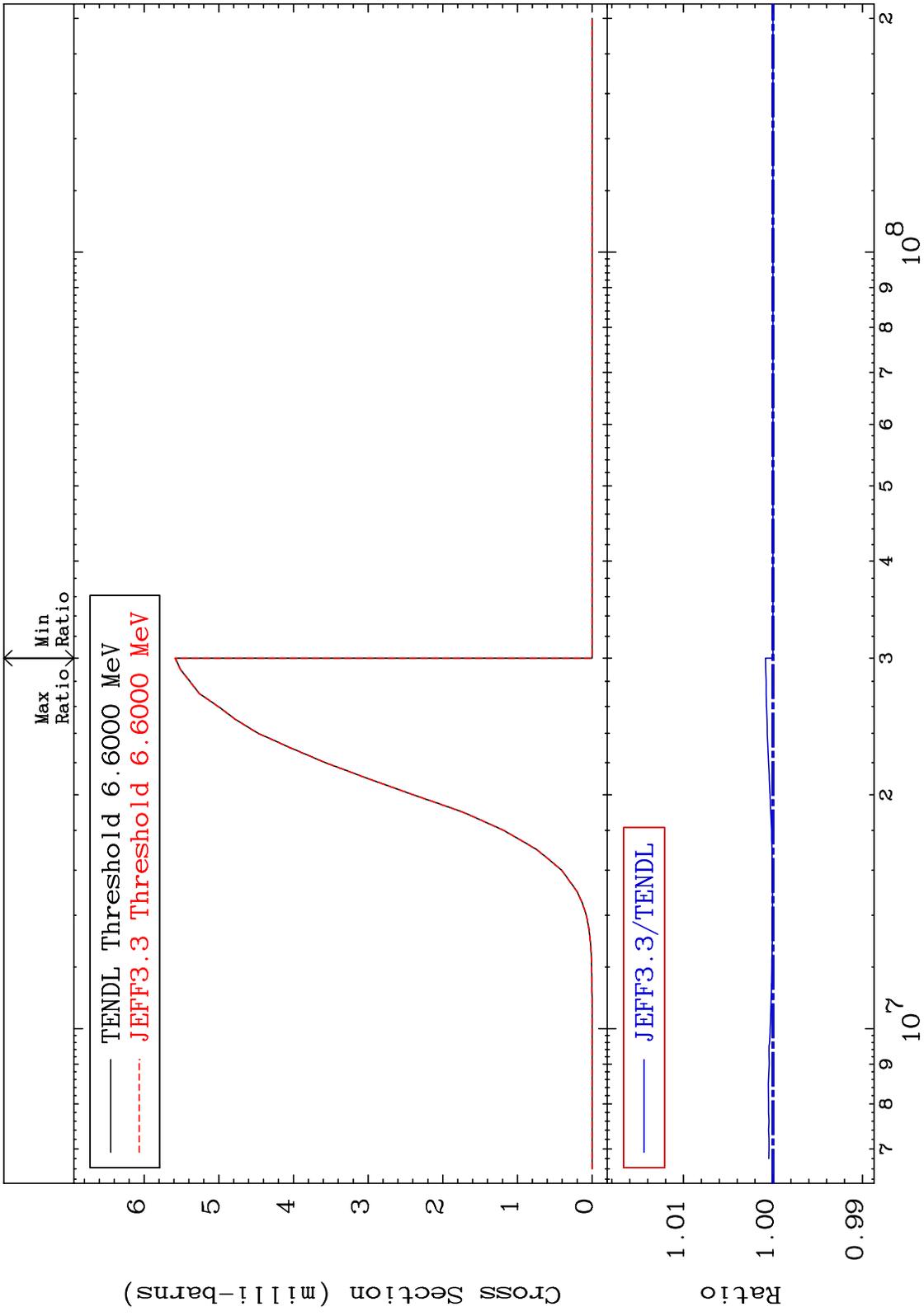
MAT 5055 (n,p) : 49-In-122g 50-Sn-122  
 Radionuclide Production Cross Section 0.000 To 0.048 %



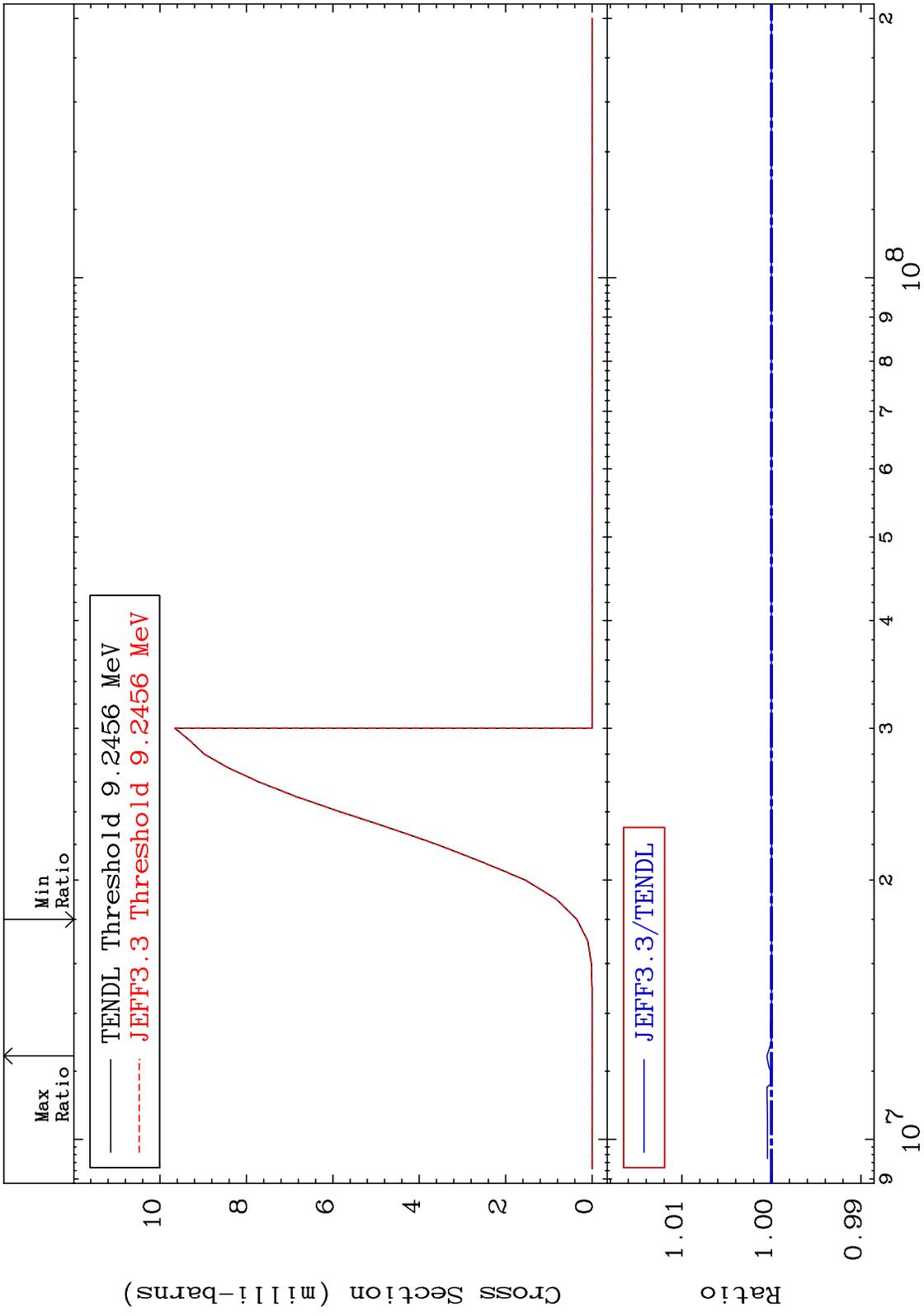
MAT 5055 (n, p) : 49-In-122m1 50-Sn-122  
 Radionuclide Production Cross Section 0.000 To 0.054 %



MAT 5055 (n,p):49-In-122m5 50-Sn-122  
 Radionuclide Production Cross Section 0.000 To 0.082 %

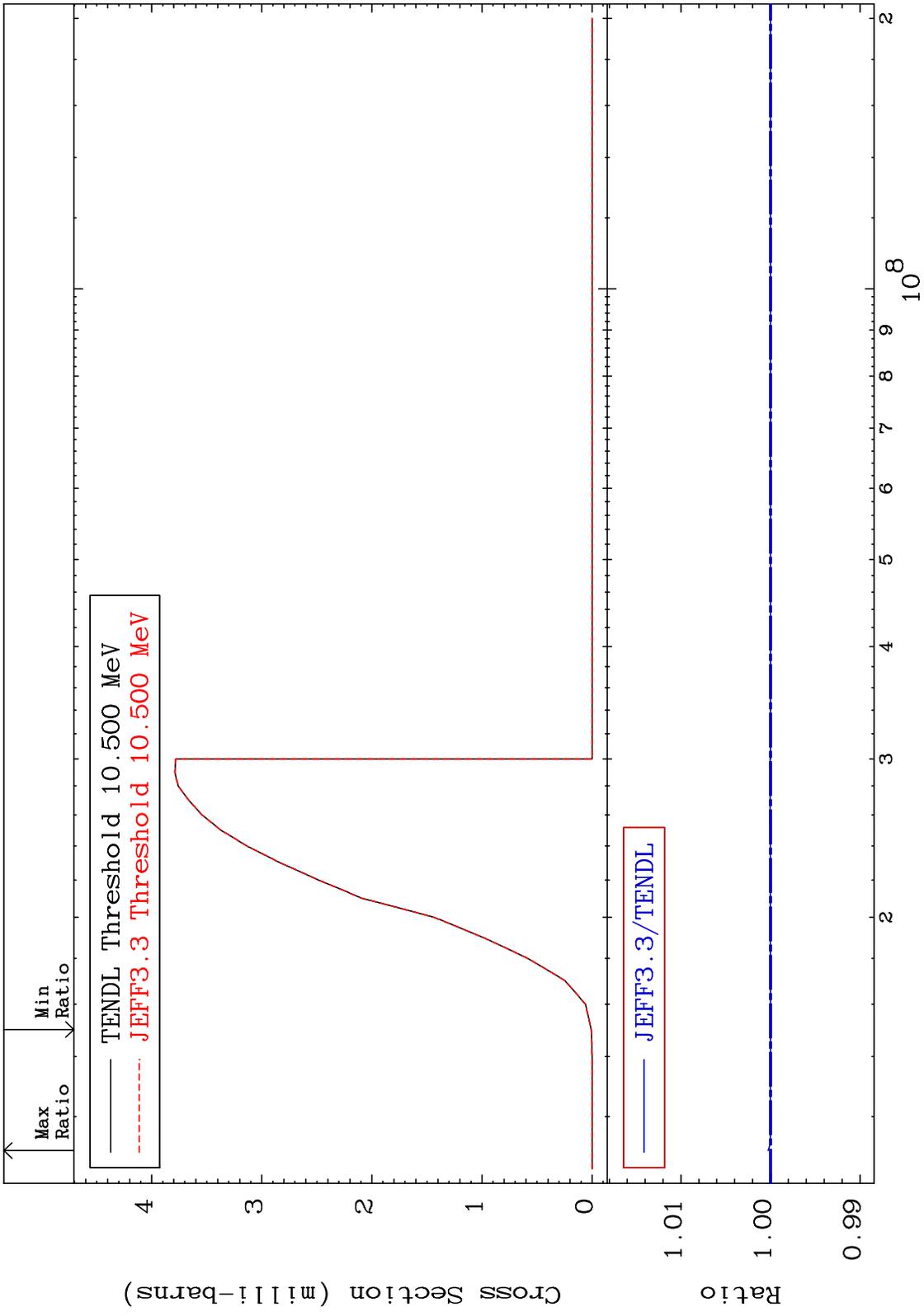


MAT 5055 (n,d):49-In-121g 50-Sn-122  
Radionuclide Production Cross Section -0.001 To 0.050 %

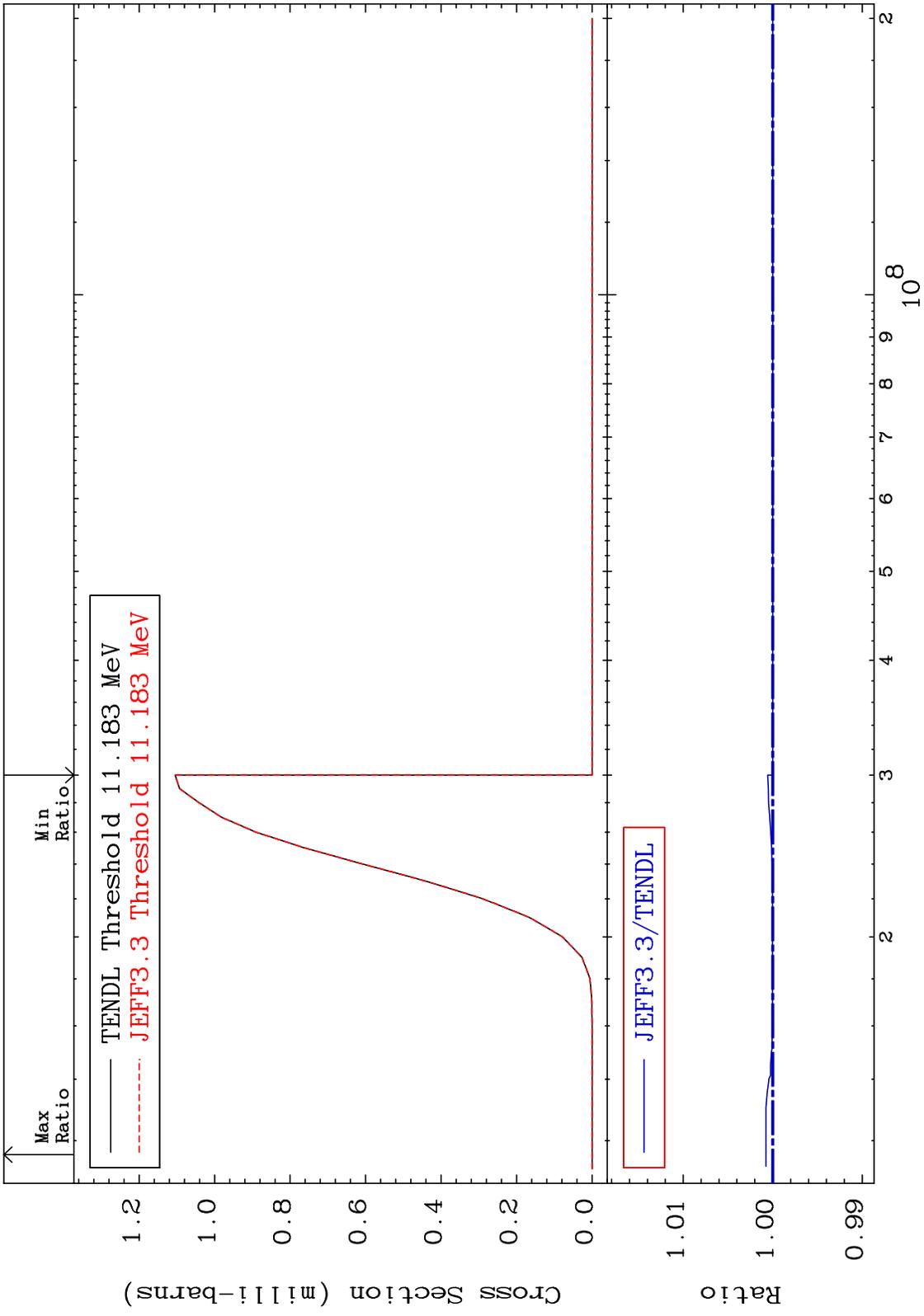


98 98 50-Sn-122

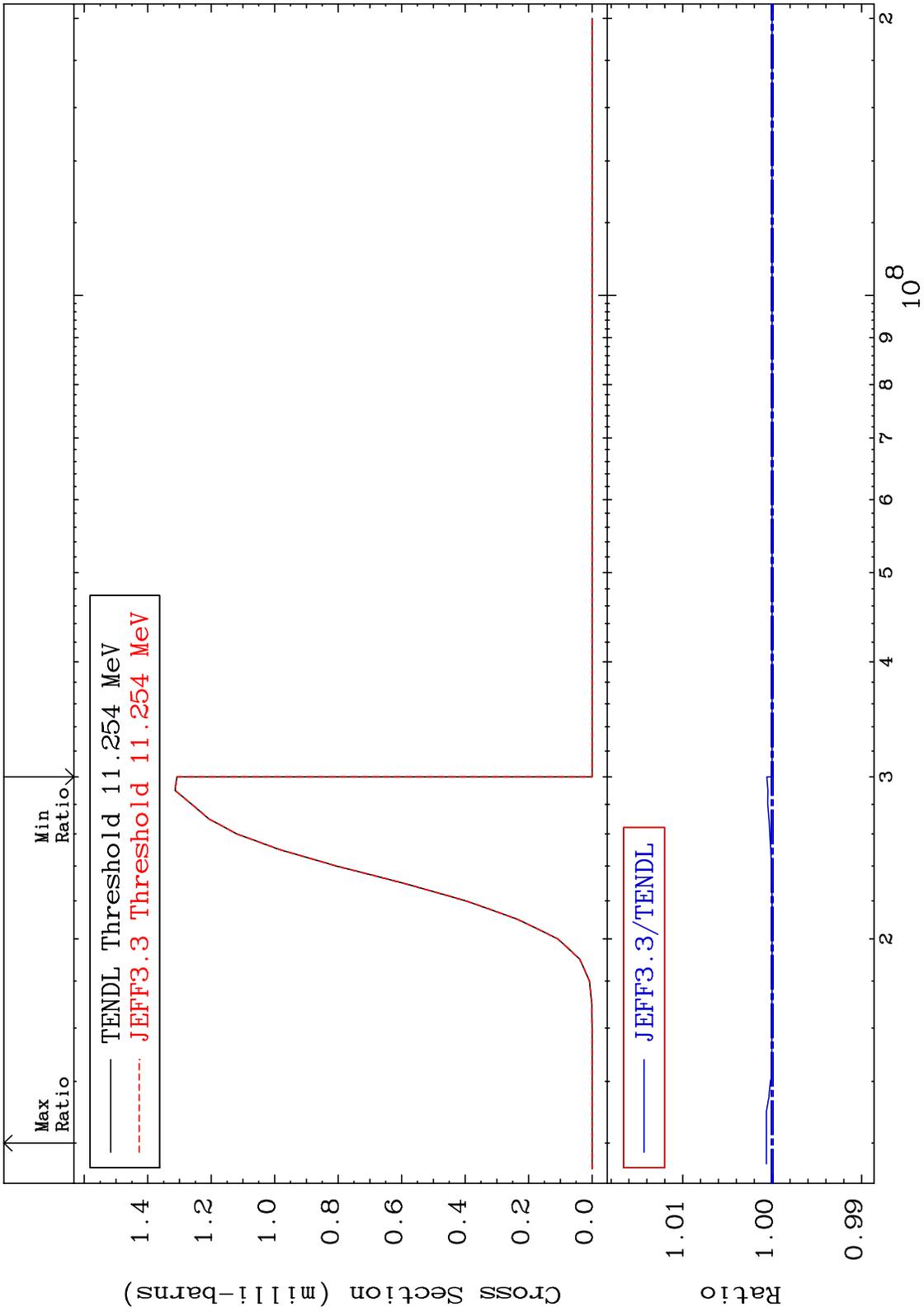
MAT 5055 (n,d):49-In-121m1 50-Sn-122  
 Radionuclide Production Cross Section 0.000 To 0.027 %



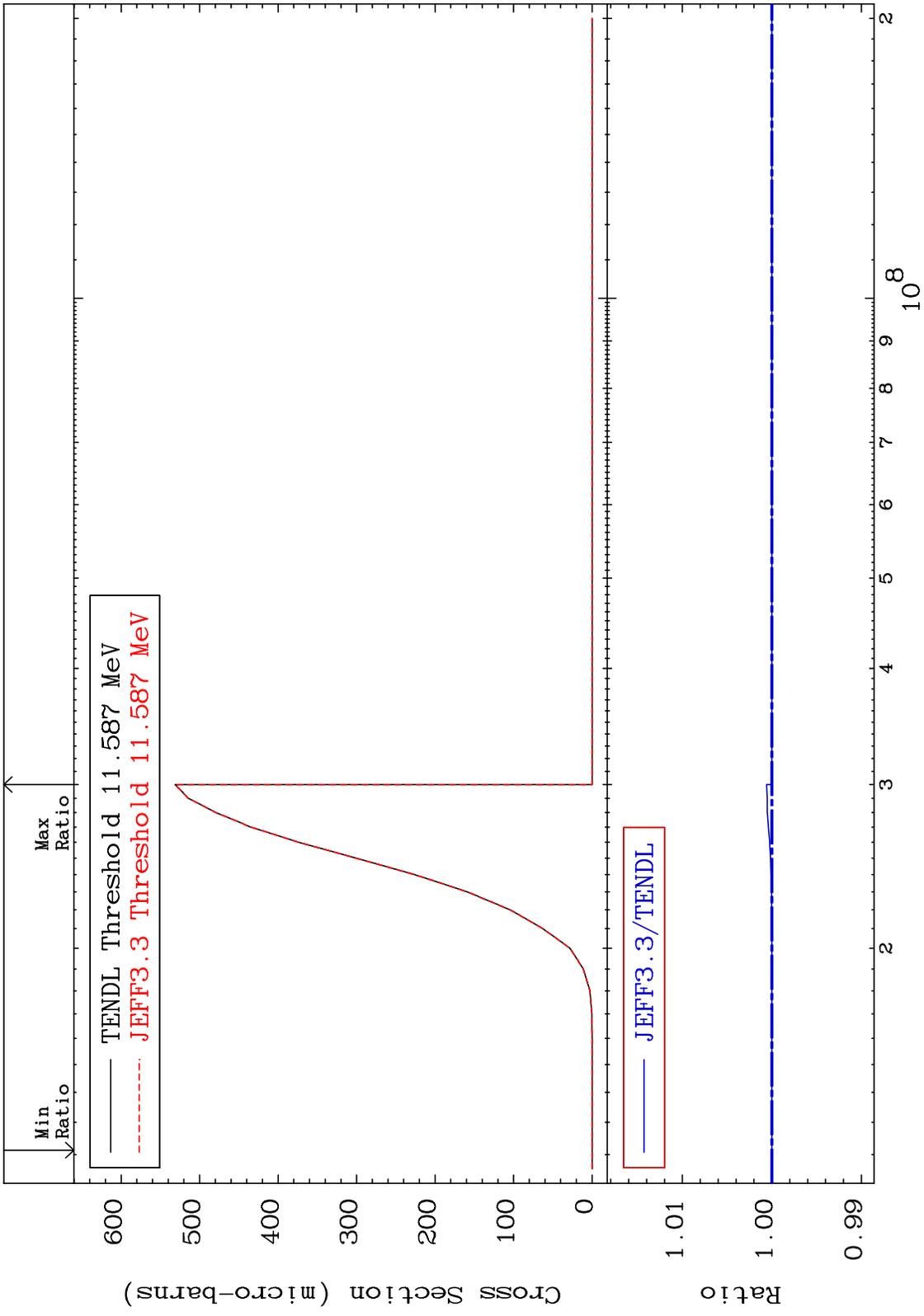
MAT 5055 (n,t):49-In-120g 50-Sn-122  
Radionuclide Production Cross Section 0.000 To 0.077 %



MAT 5055 (n, t) : 49-In-120m1 50-Sn-122  
 Radionuclide Production Cross Section 0.000 To 0.065 %

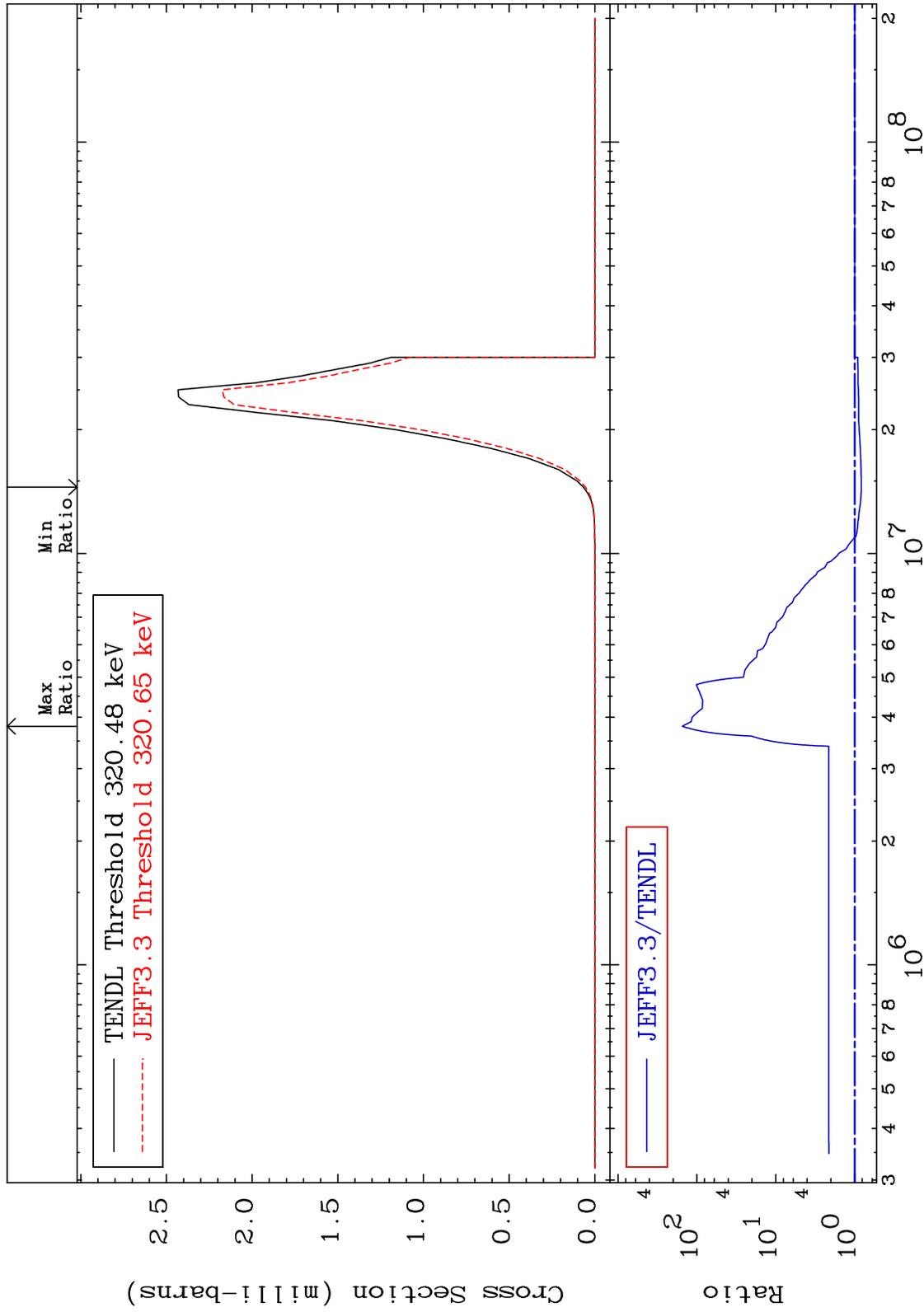


MAT 5055 (n, t) : 49-In-120m2 50-Sn-122  
 Radionuclide Production Cross Section 0.000 To 0.059 %



MAT 5055

(n,  $\alpha$ ): 48-Cd-119g 50-Sn-122  
Radionuclide Production Cross Section -17.79 To 9999. %

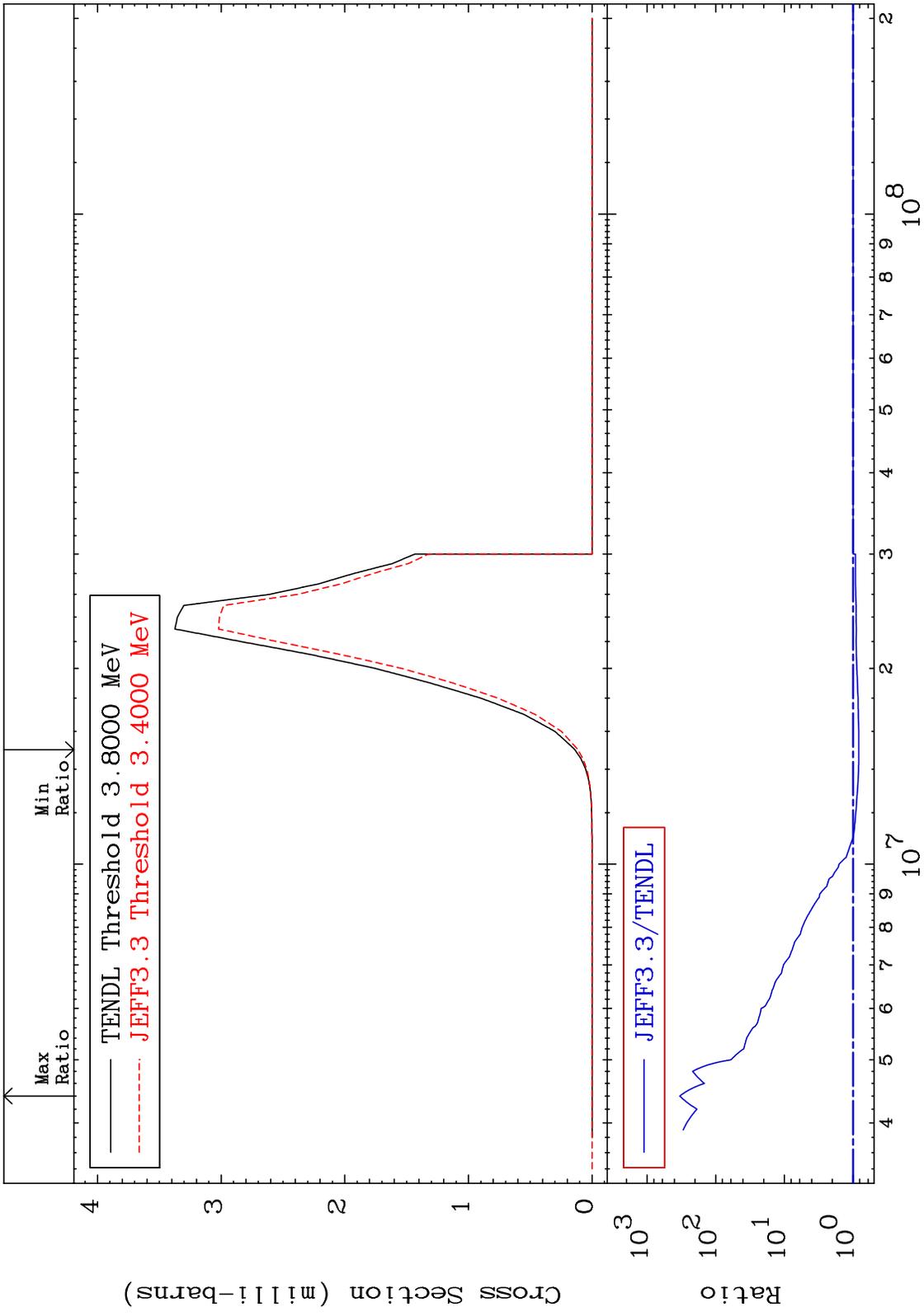


103

Incident Energy (eV)

50-Sn-122

MAT 5055 (n,  $\alpha$ ): 48-Cd-119m2 50-Sn-122  
 Radionuclide Production Cross Section -17.74 To 9999. %

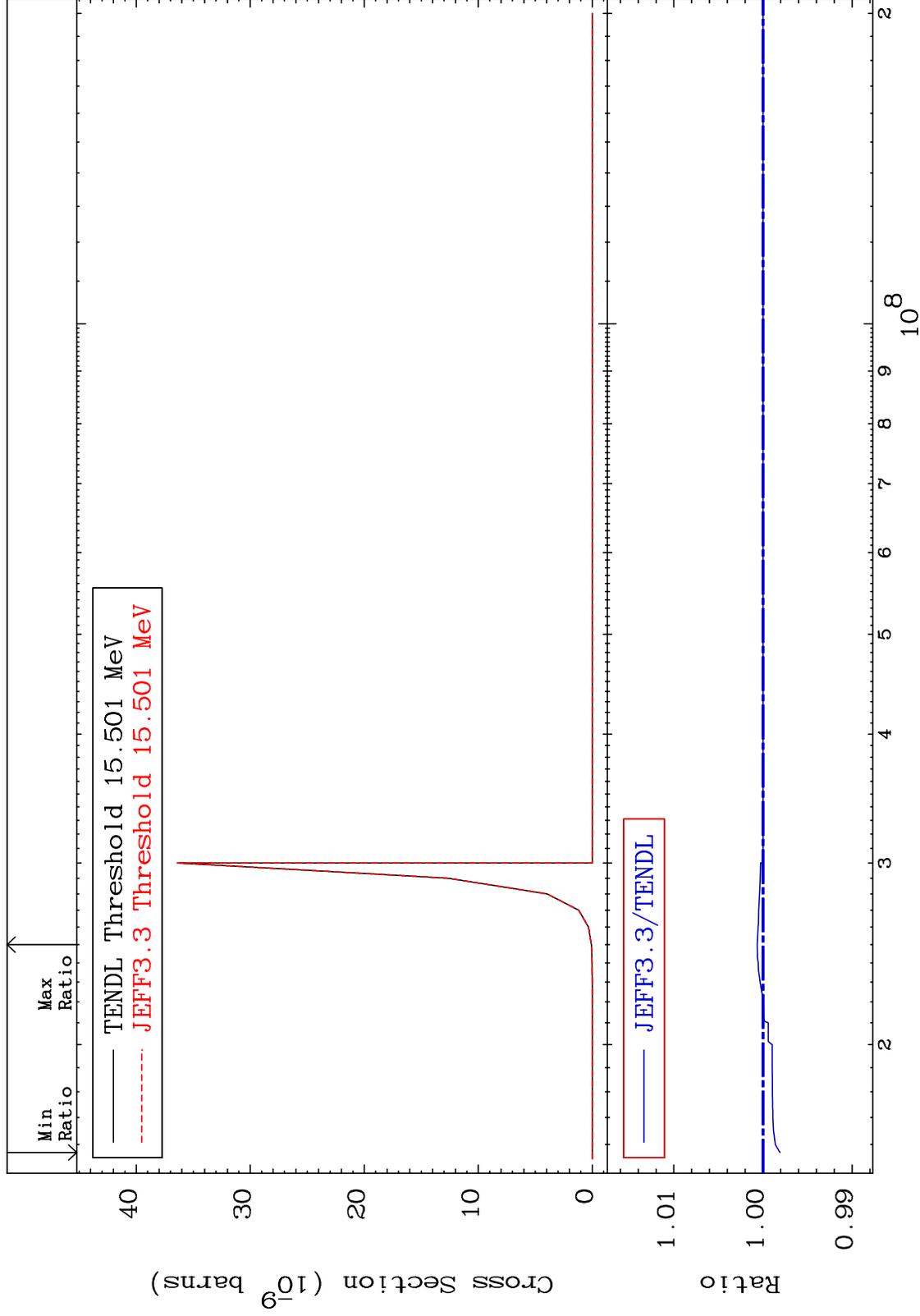


MAT 5055

(n,2p):48-Cd-121g

50-Sn-122

Radionuclide Production Cross Section -0.191 To 0.065 %



105

Incident Energy (eV)

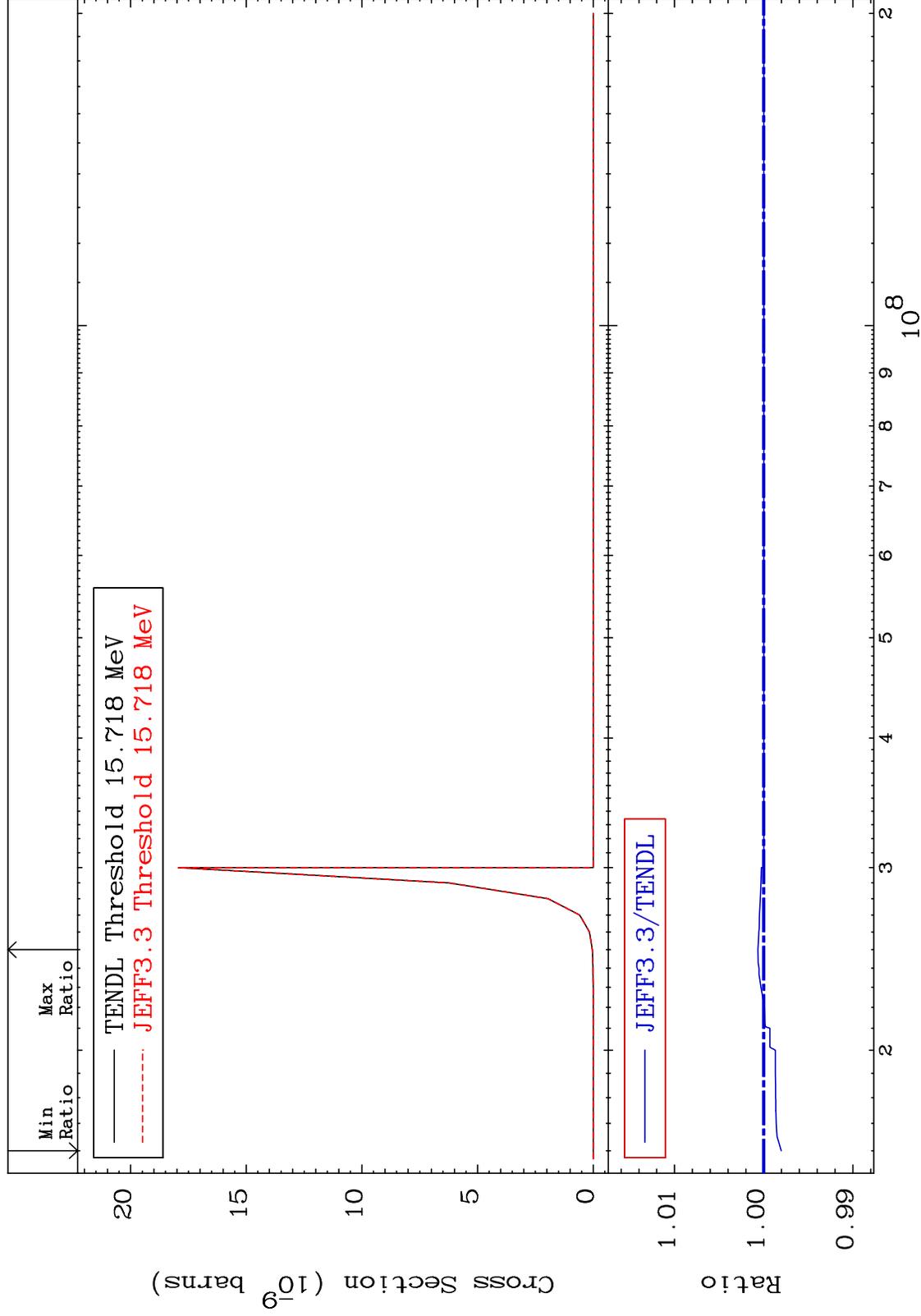
50-Sn-122

MAT 5055

(n,2p) : 48-Cd-121m2

50-Sn-122

Radionuclide Production Cross Section -0.196 To 0.066 %



106

Incident Energy (eV)

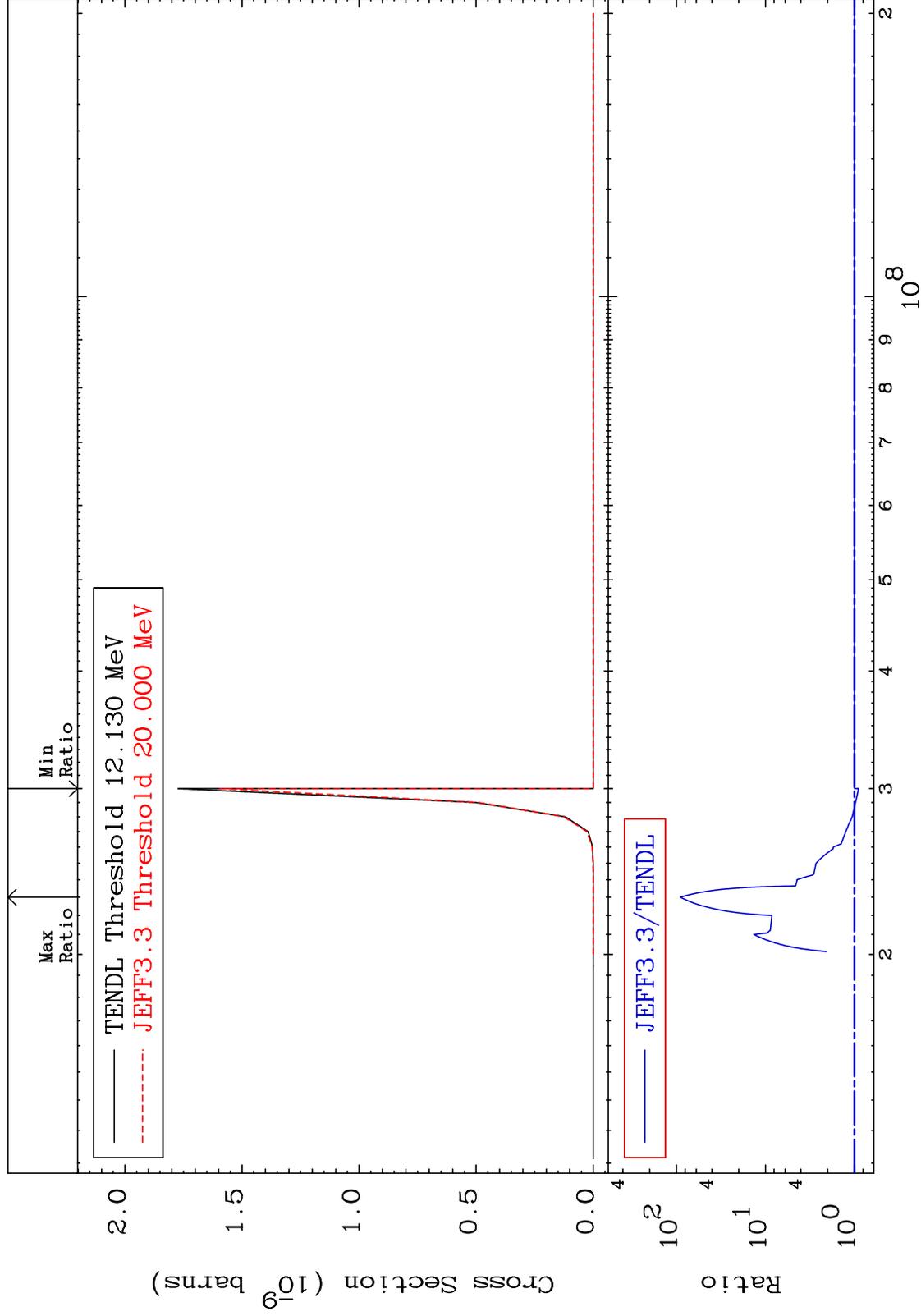
50-Sn-122

MAT 5055

(n,p)  $\alpha$ : 47-Ag-118g

50-Sn-122

Radionuclide Production Cross Section -10.07 To 8922. %



MAT 5055

(n, p)  $\alpha$ :47-Ag-118m4

50-Sn-122

Radionuclide Production Cross Section -10.77 To 2922. %

