

Program Complot  
(Version 2018-1)

by

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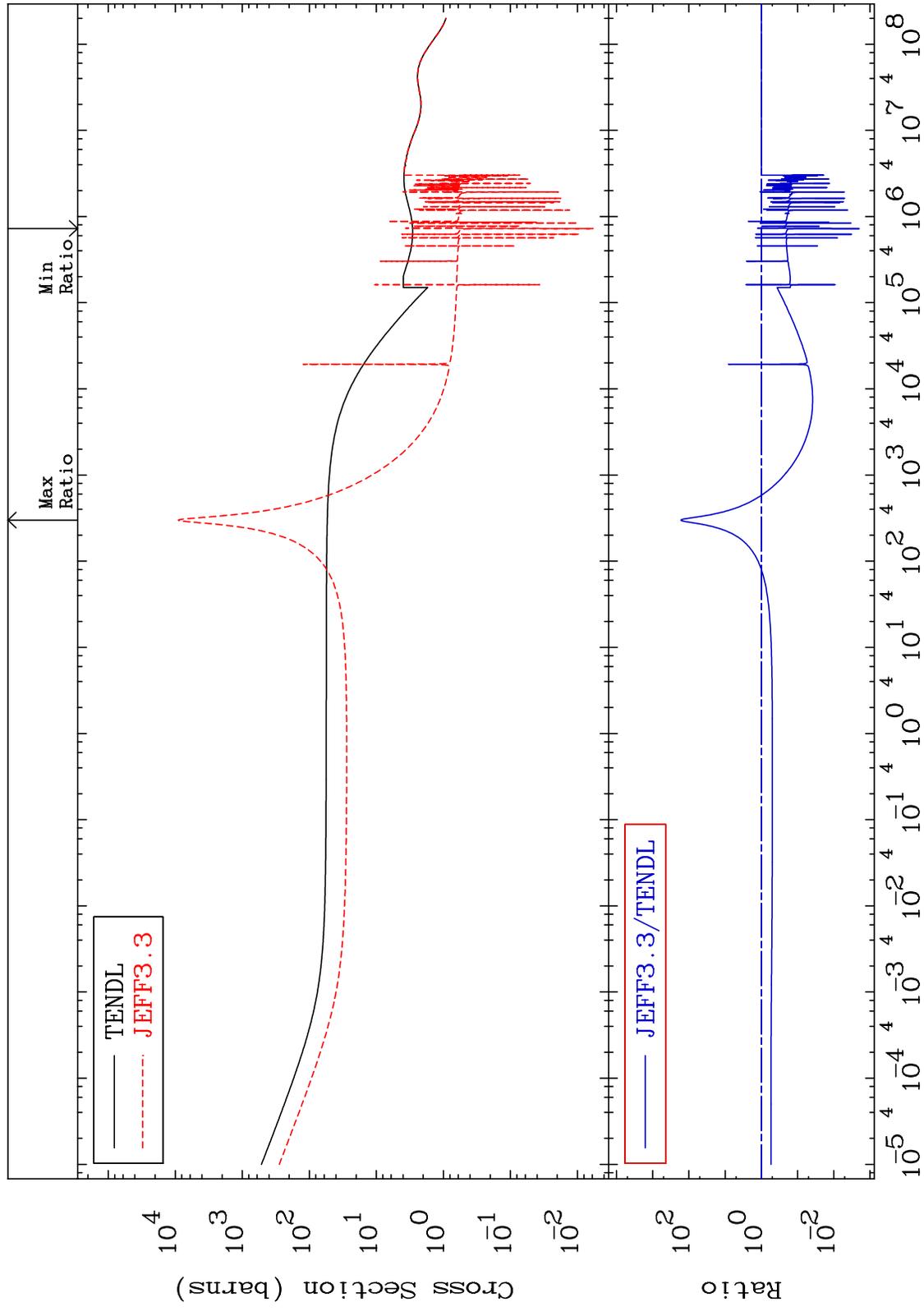
U.S.A.

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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 2049 Total Cross Section 20-Ca-48 -99.80 To 9999. %

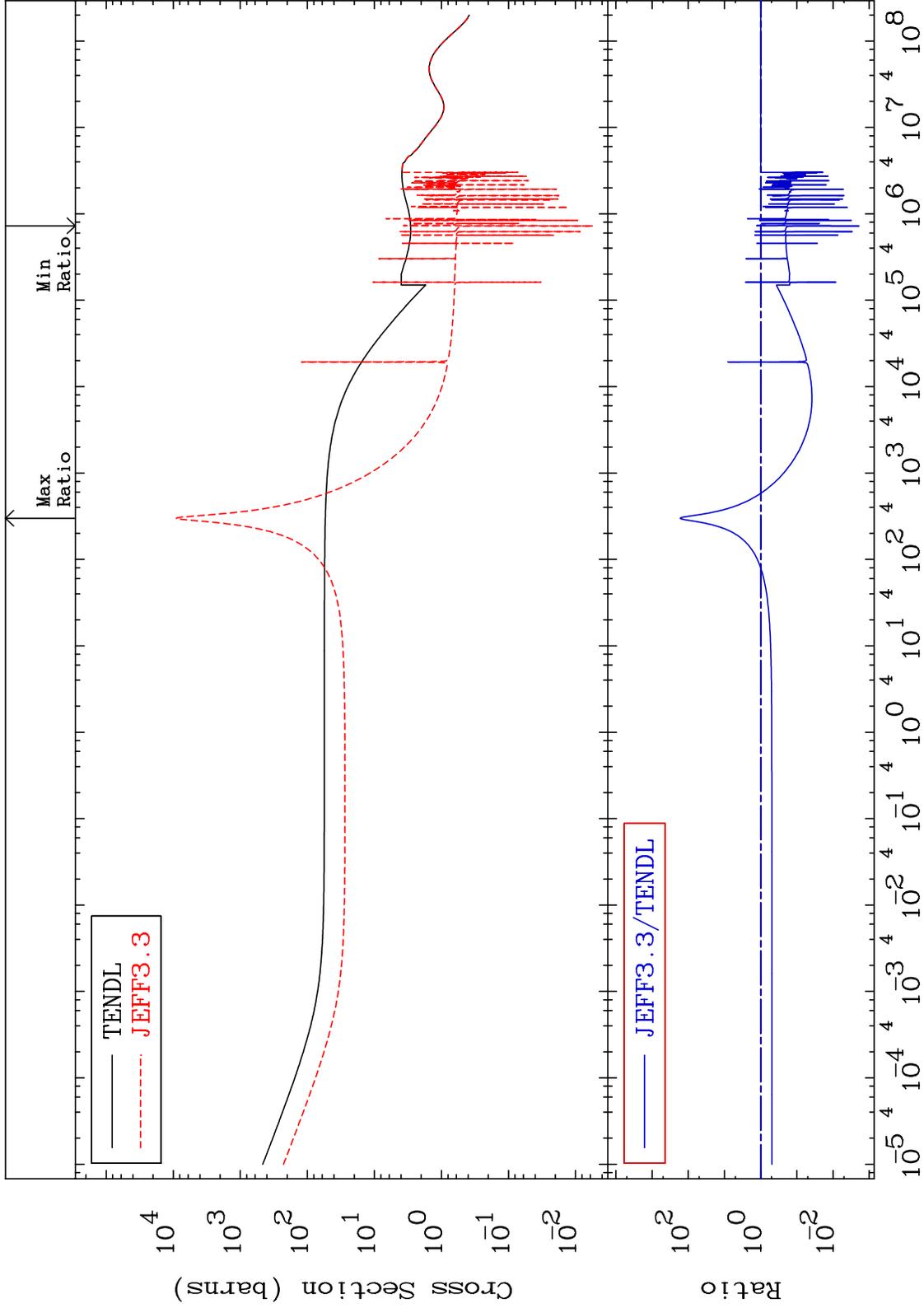


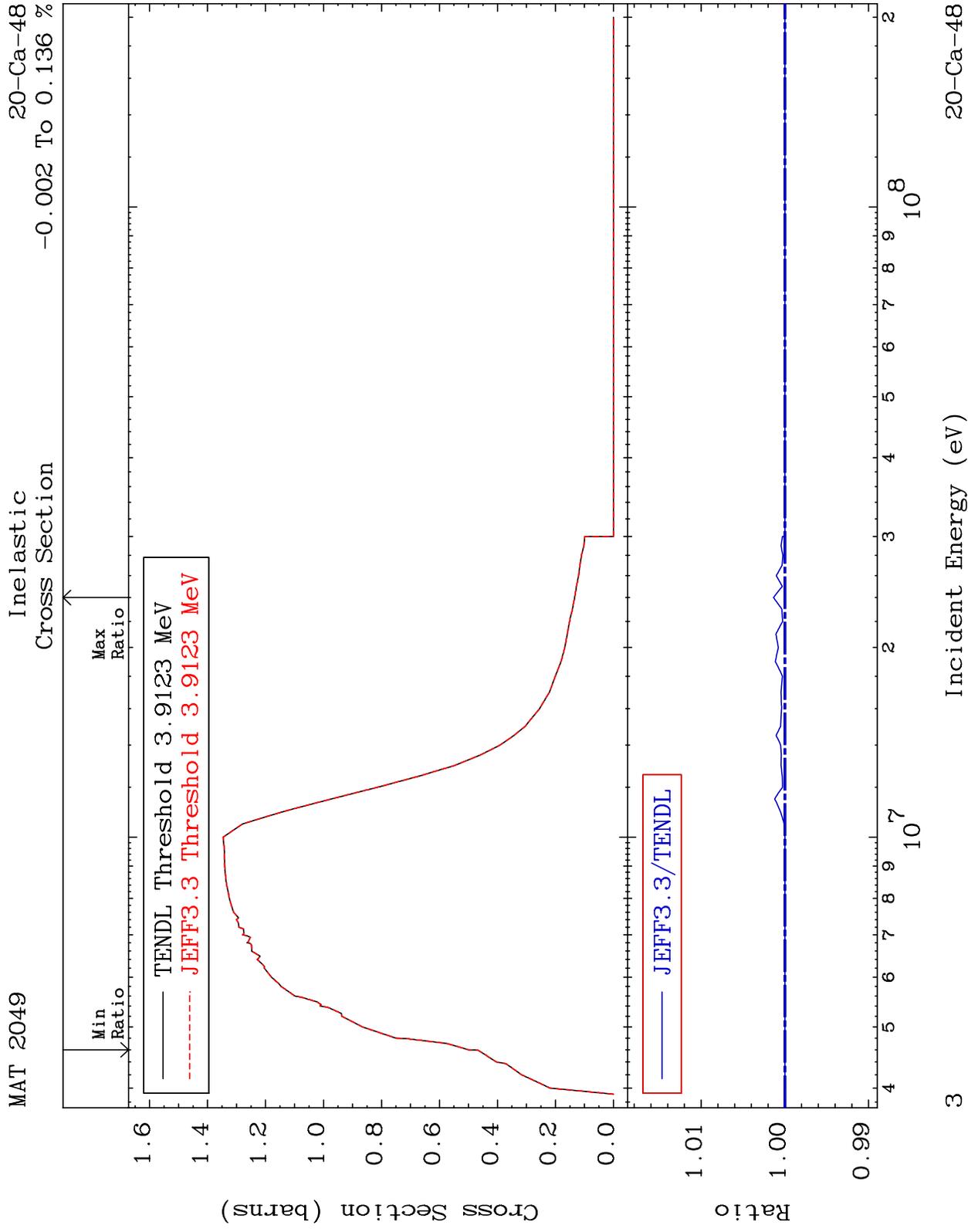
1 Incident Energy (eV) 20-Ca-48

MAT 2049

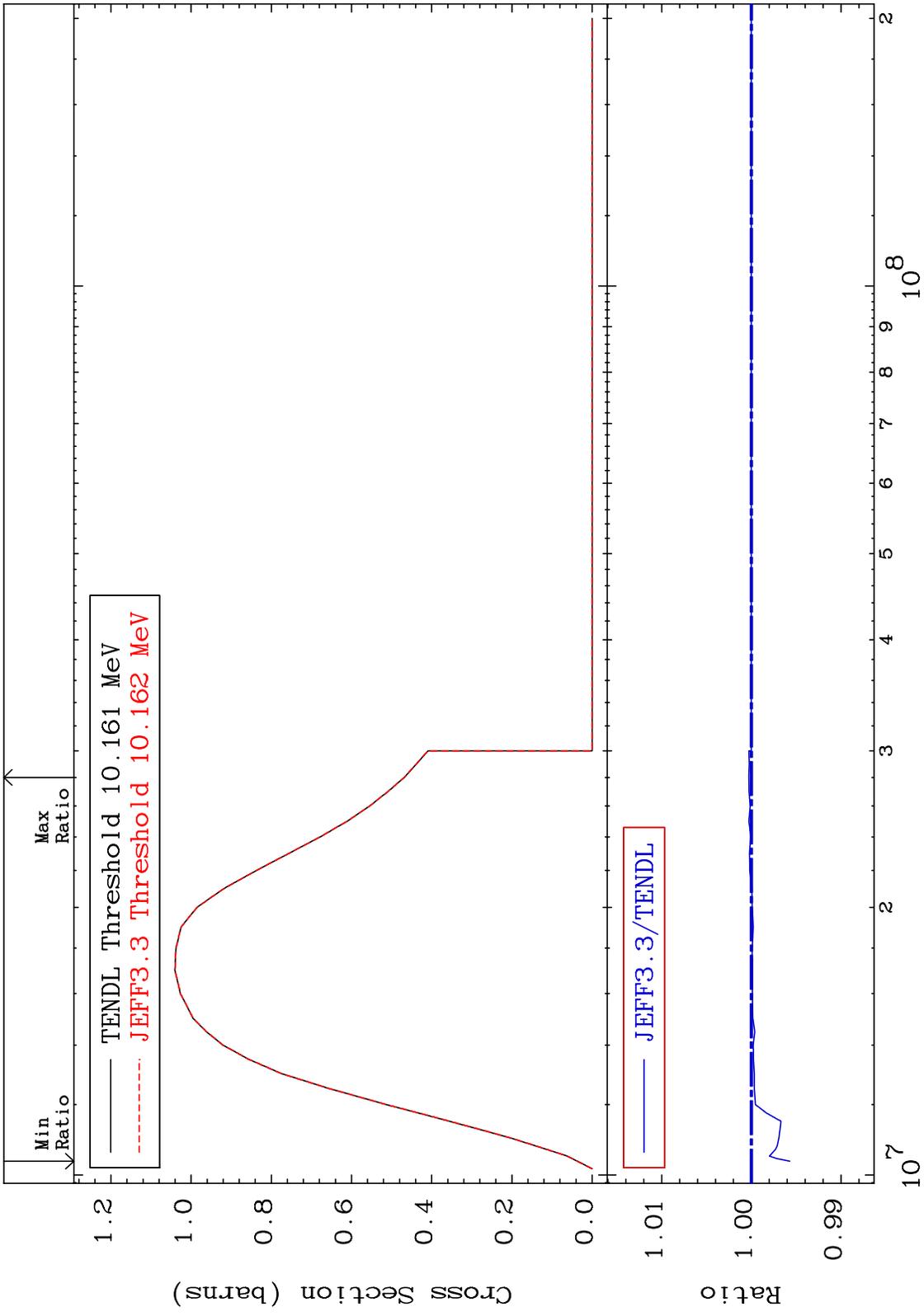
Elastic  
Cross Section

20-Ca-48  
-99.81 To 9999. %



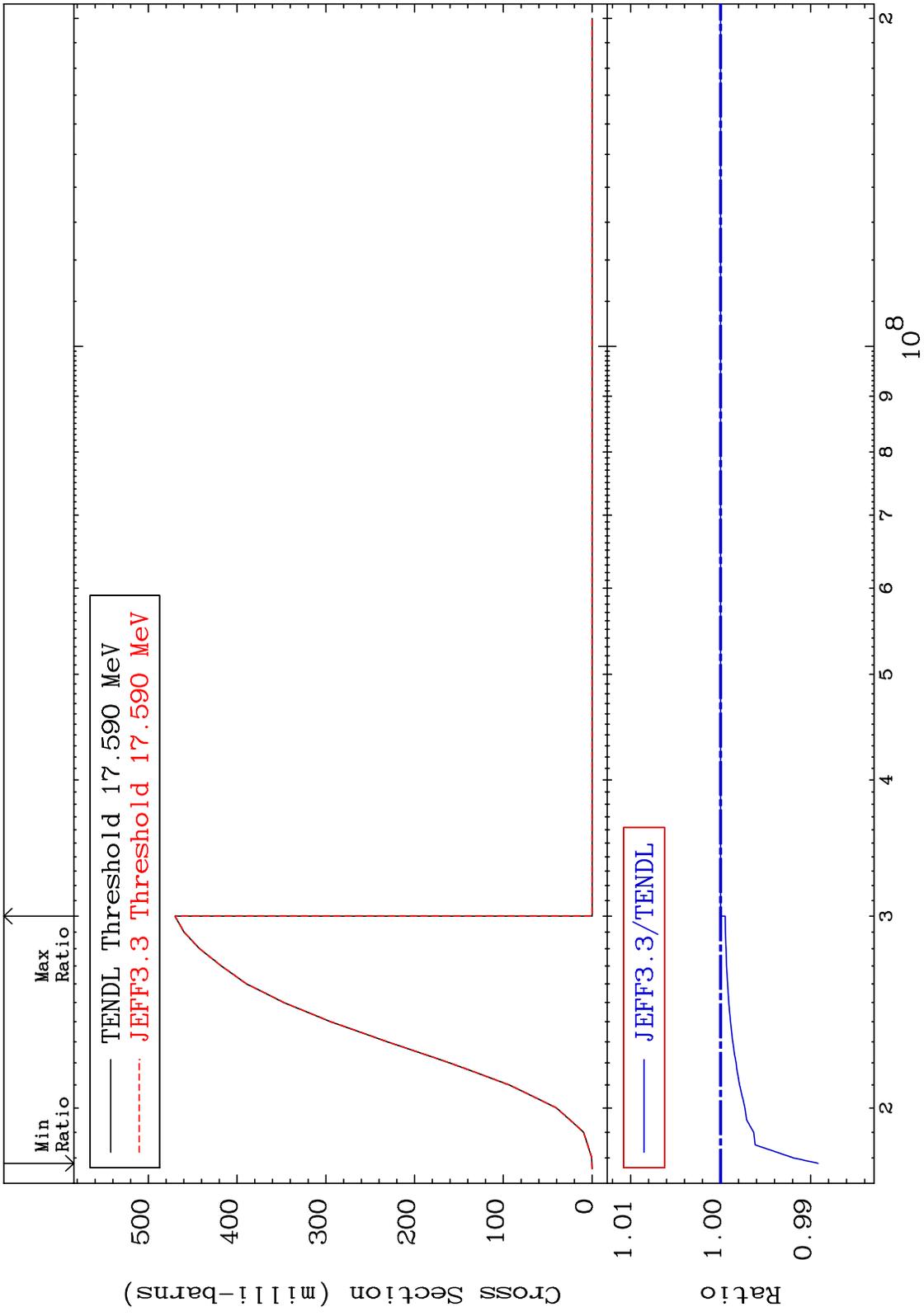


MAT 2049 (n,2n) Cross Section 20-Ca-48 -0.428 To 0.028 %



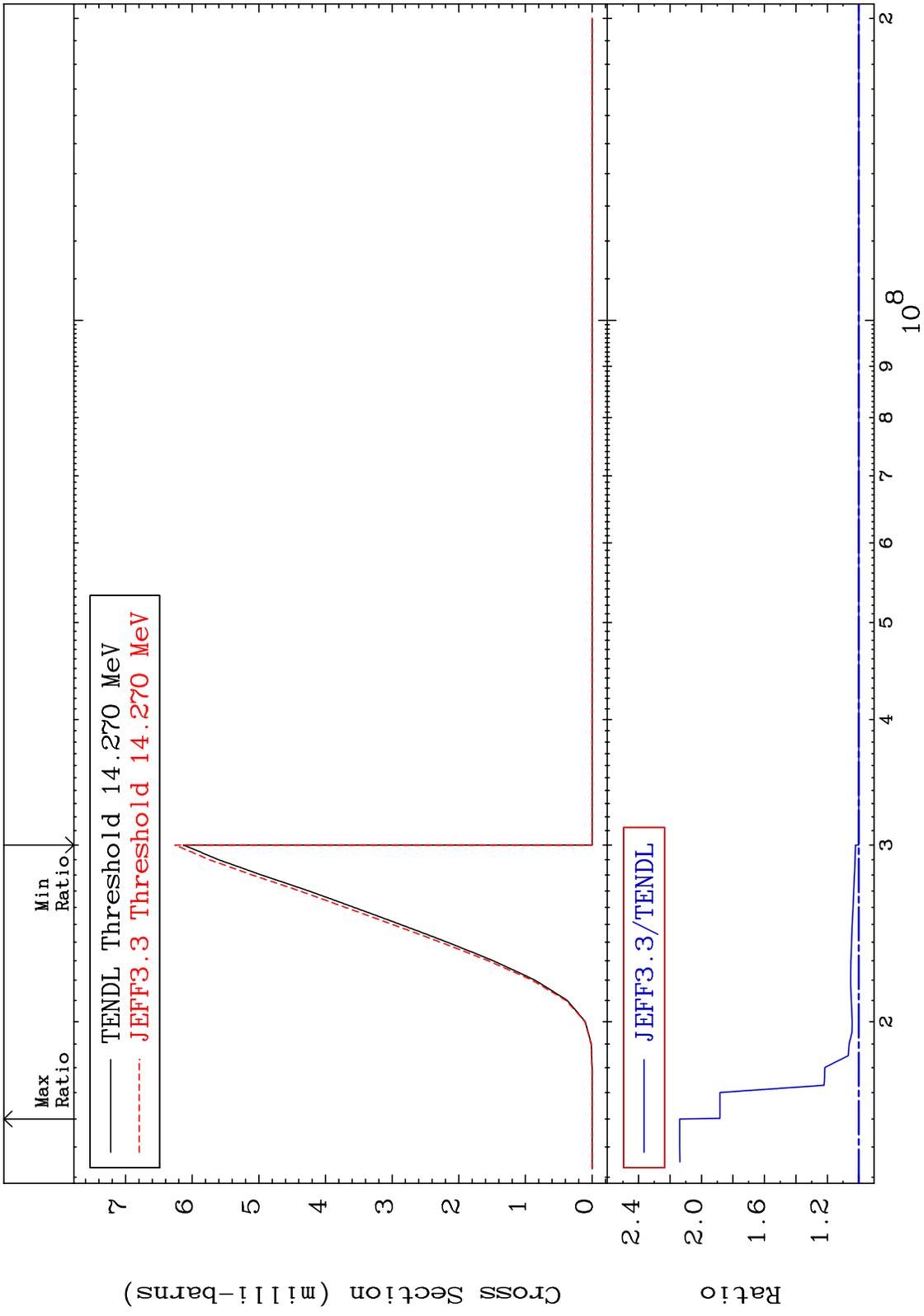
20-Ca-48

MAT 2049 (n,3n) Cross Section 20-Ca-48  
 -1.083 To 0.000 %

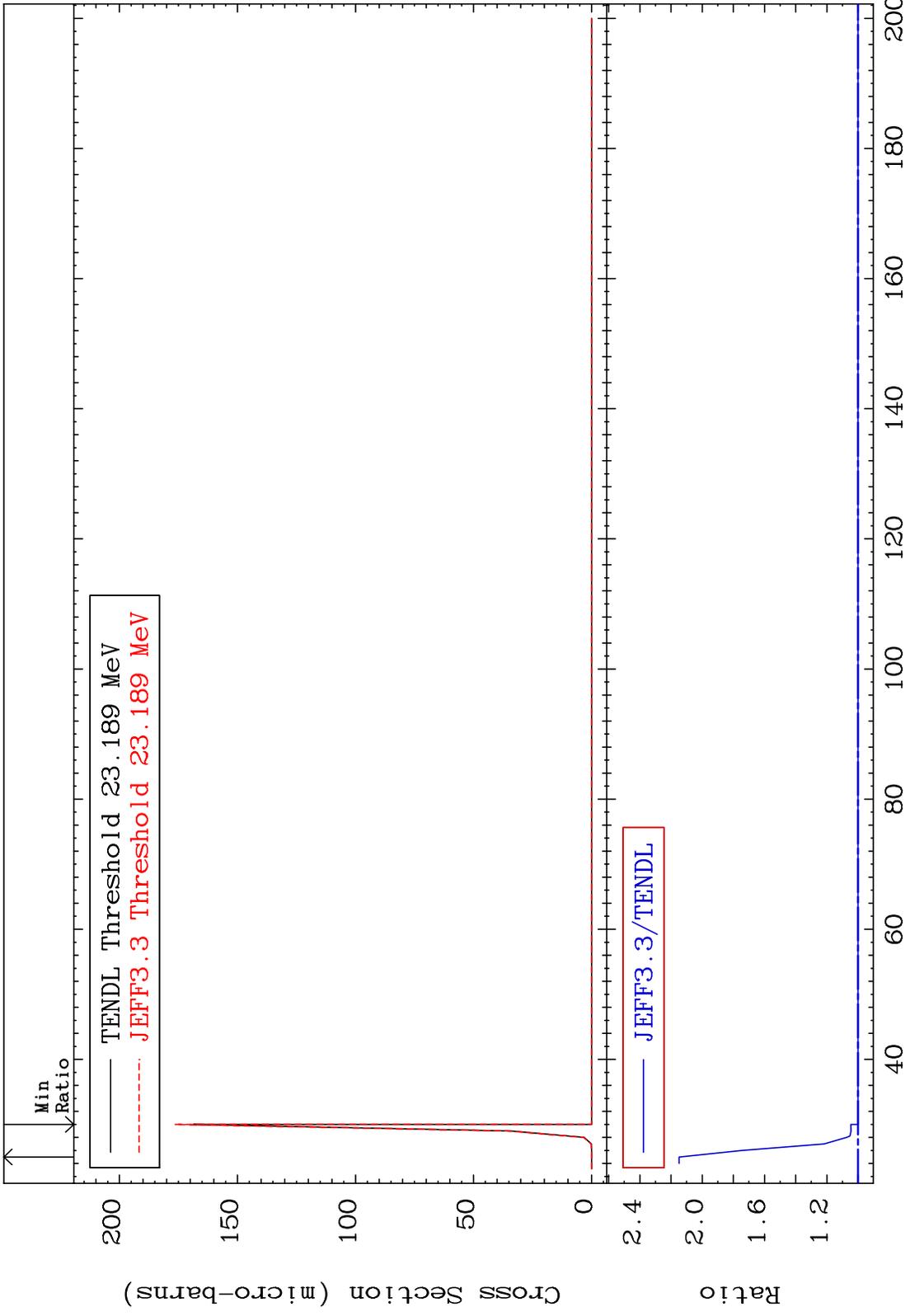


5 Incident Energy (eV) 20-Ca-48

MAT 2049  $(n, n') \alpha$  20-Ca-48  
 Cross Section 0.000 To 113.8 %



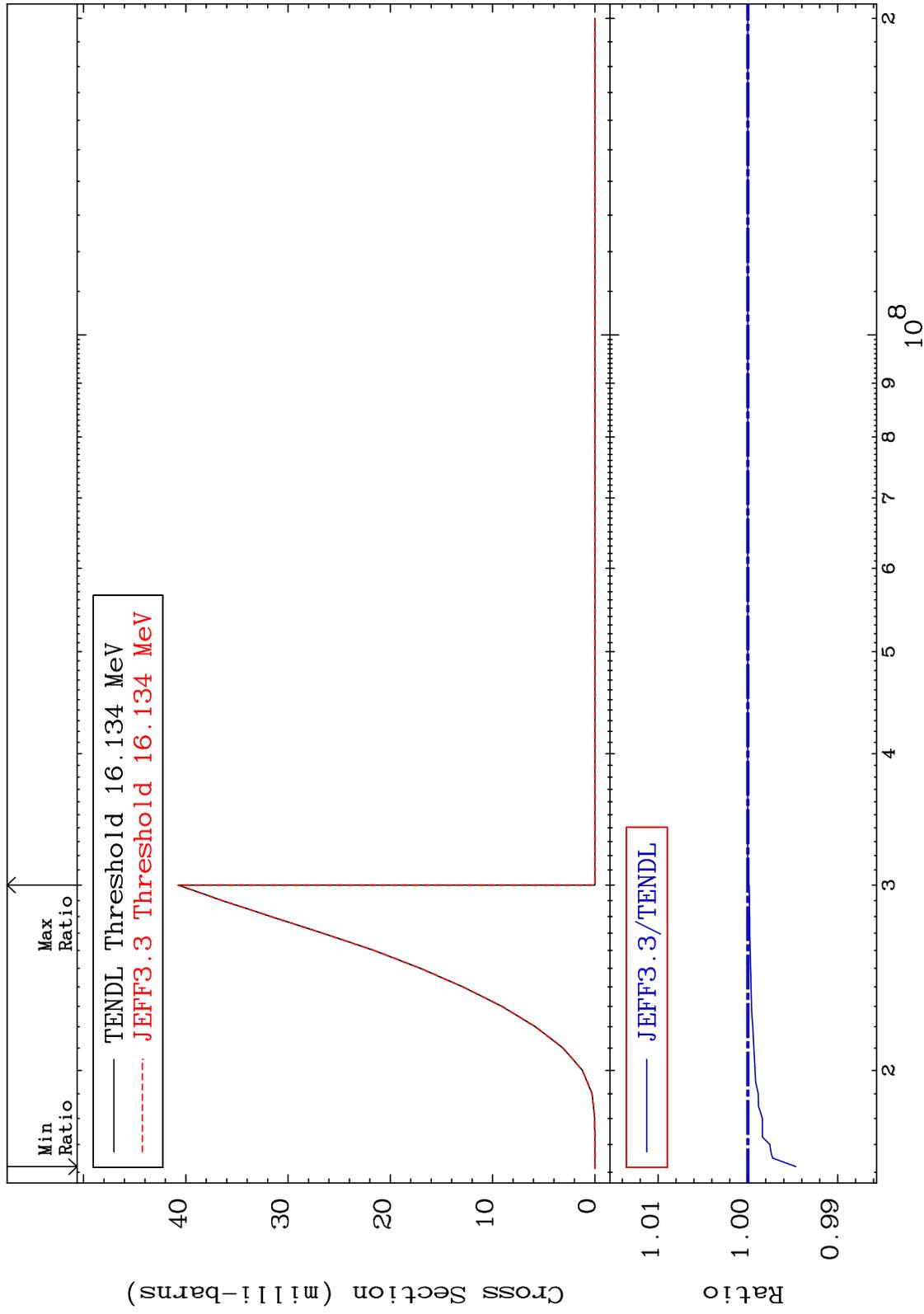
MAT 2049 (n,2n)  $\alpha$  20-Ca-48  
Cross Section 0.000 To 114.8 %



MAT 2049

(n,n') p  
Cross Section

20-Ca-48  
-0.535 To 0.000 %

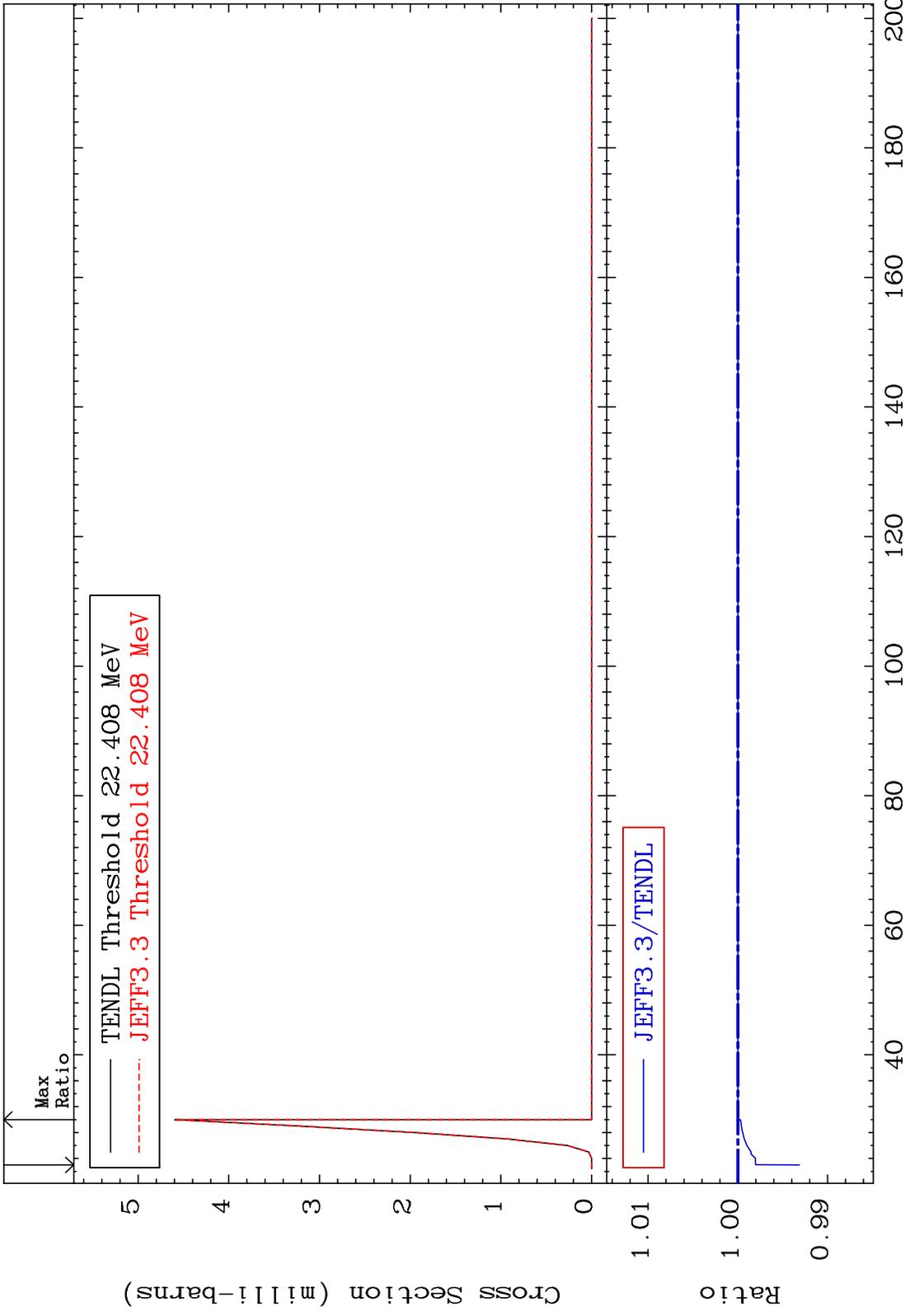


8

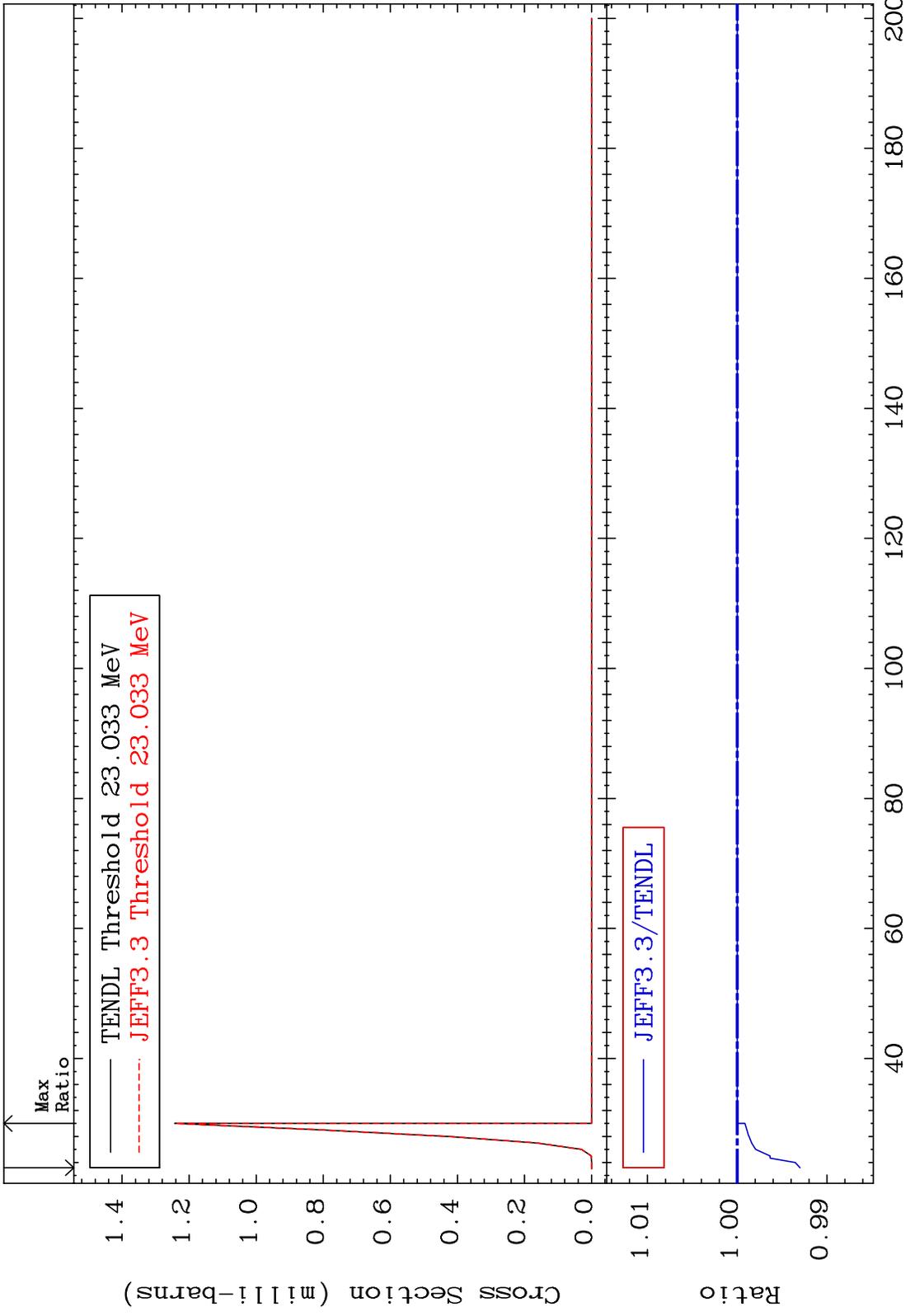
Incident Energy (eV)

20-Ca-48

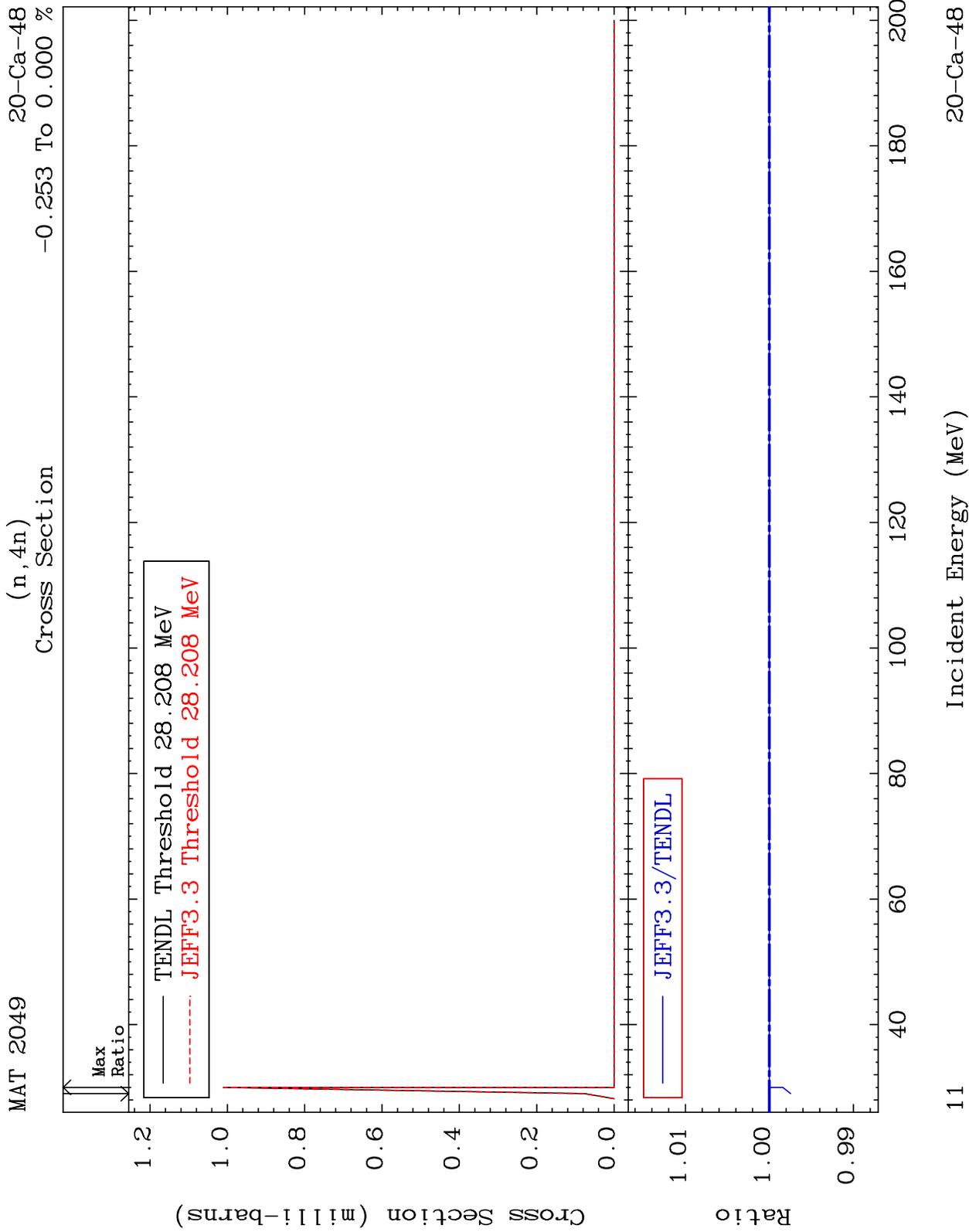
MAT 2049 (n,n') d 20-Ca-48  
 Cross Section -0.685 To 0.000 %



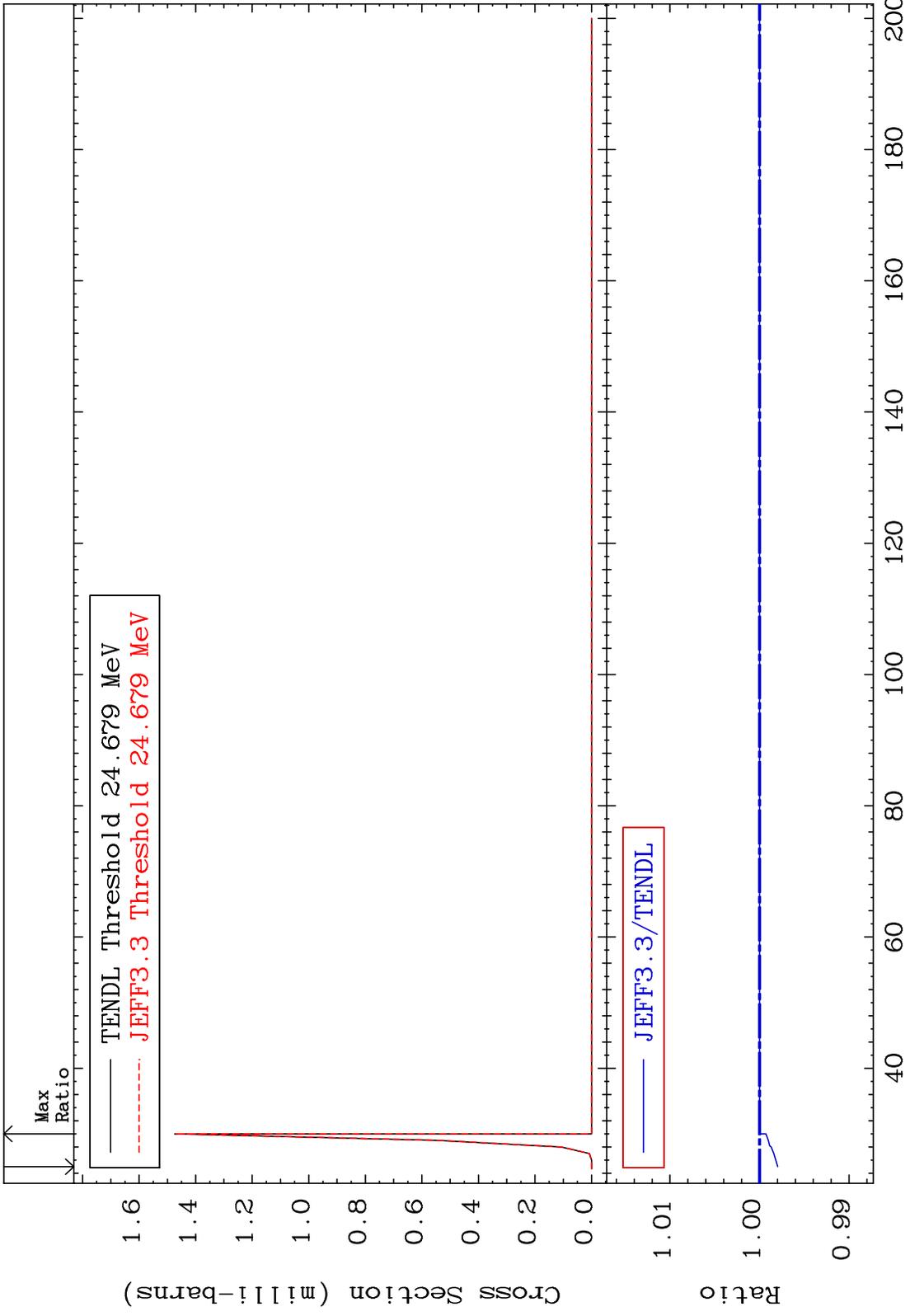
MAT 2049 (n,n') t 20-Ca-48  
Cross Section -0.699 To 0.000 %



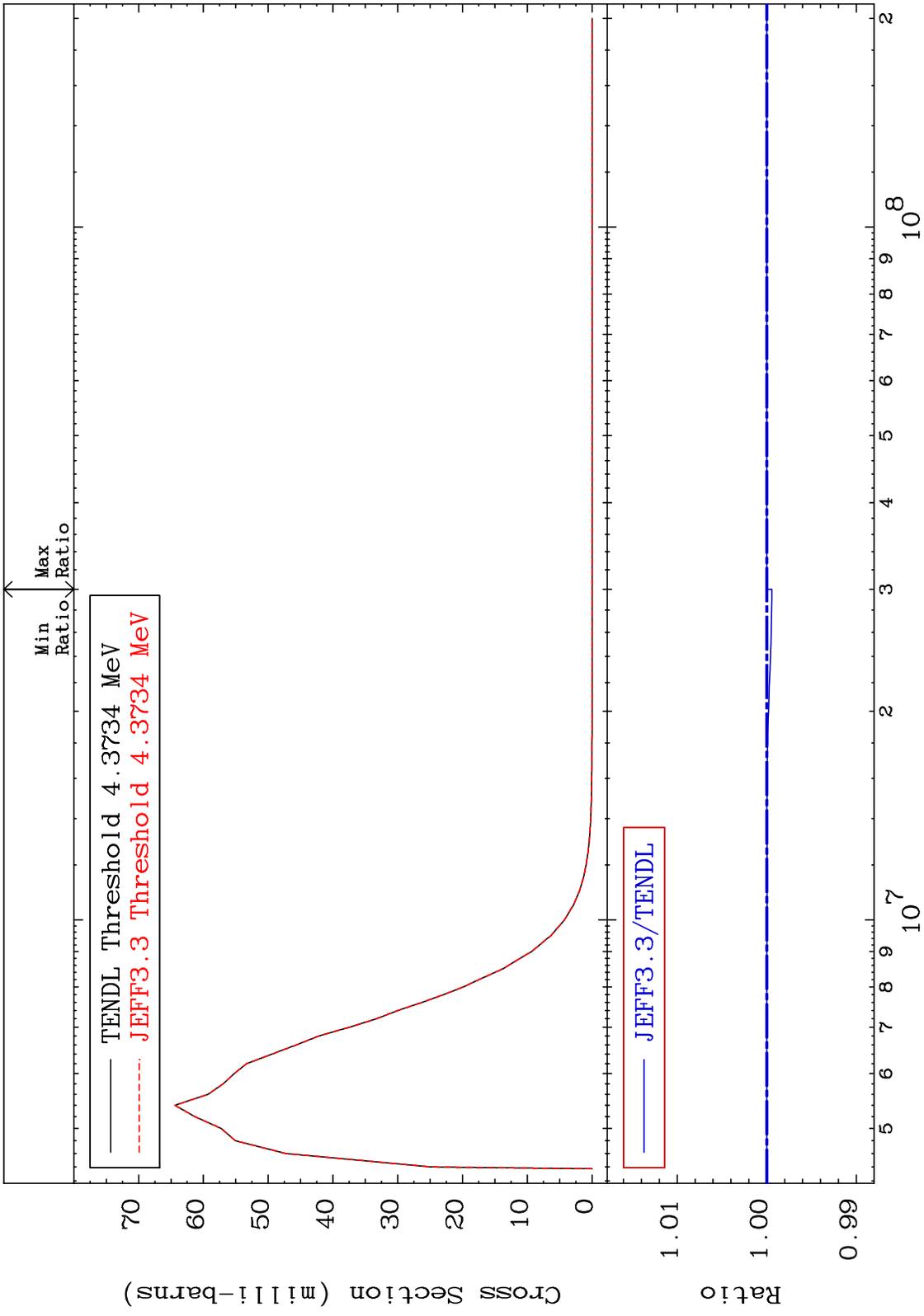
10 20-Ca-48



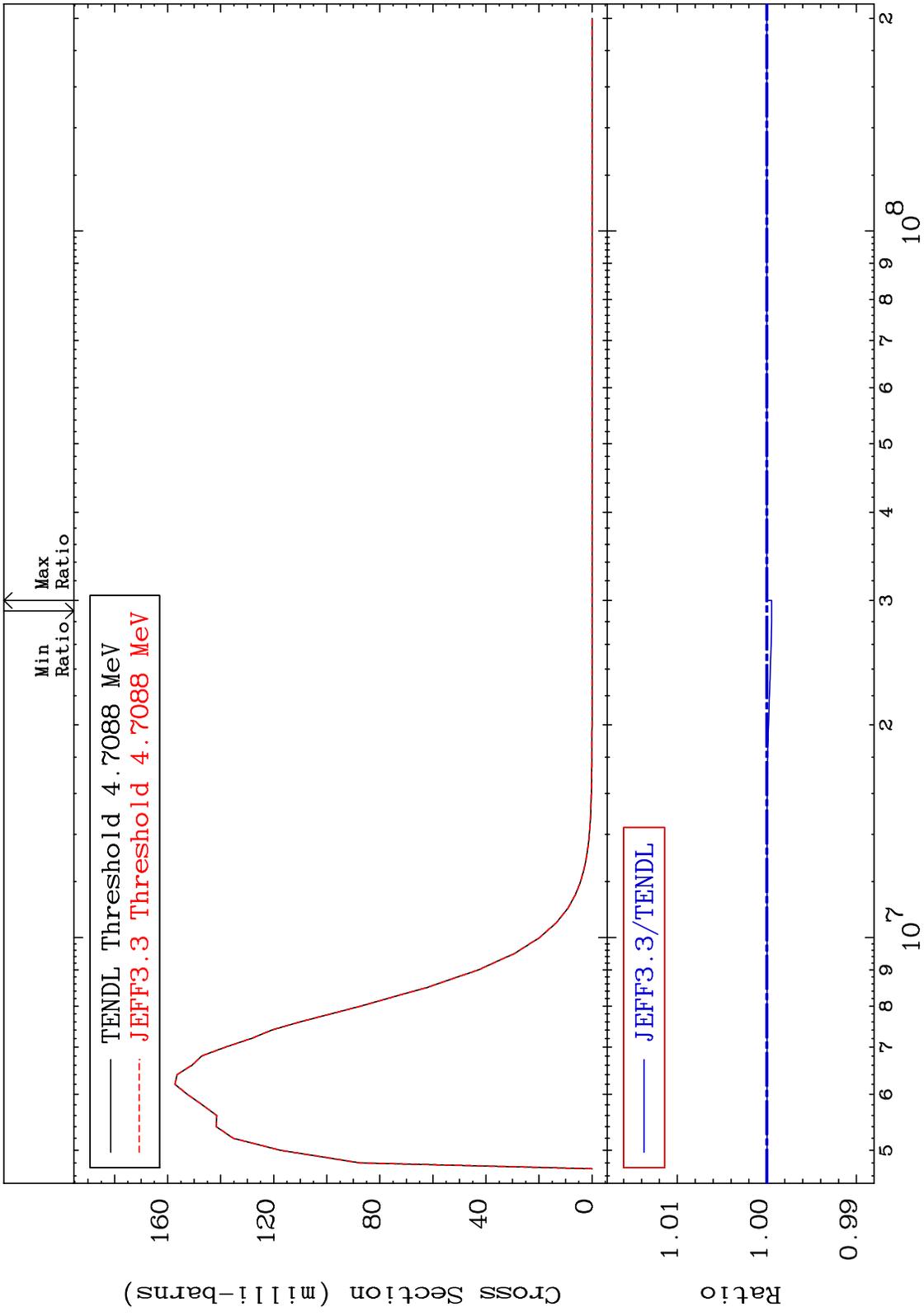
MAT 2049 (n,2n) p 20-Ca-48  
 Cross Section -0.202 To 0.000 %



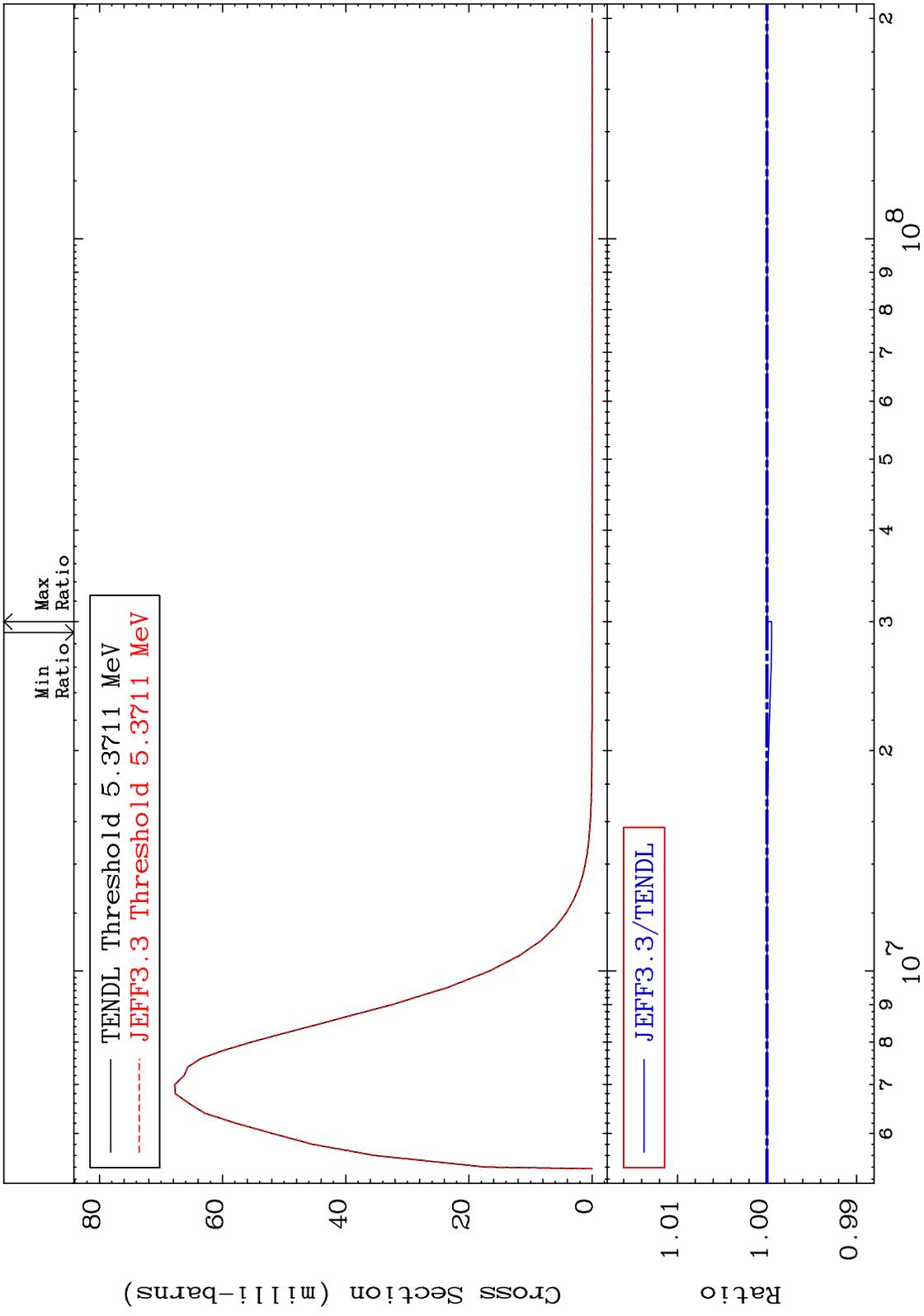
MAT 2049      MT= 52 (n, n') Level      20-Ca-48  
 Cross Section      -0.056 To 0.000 %



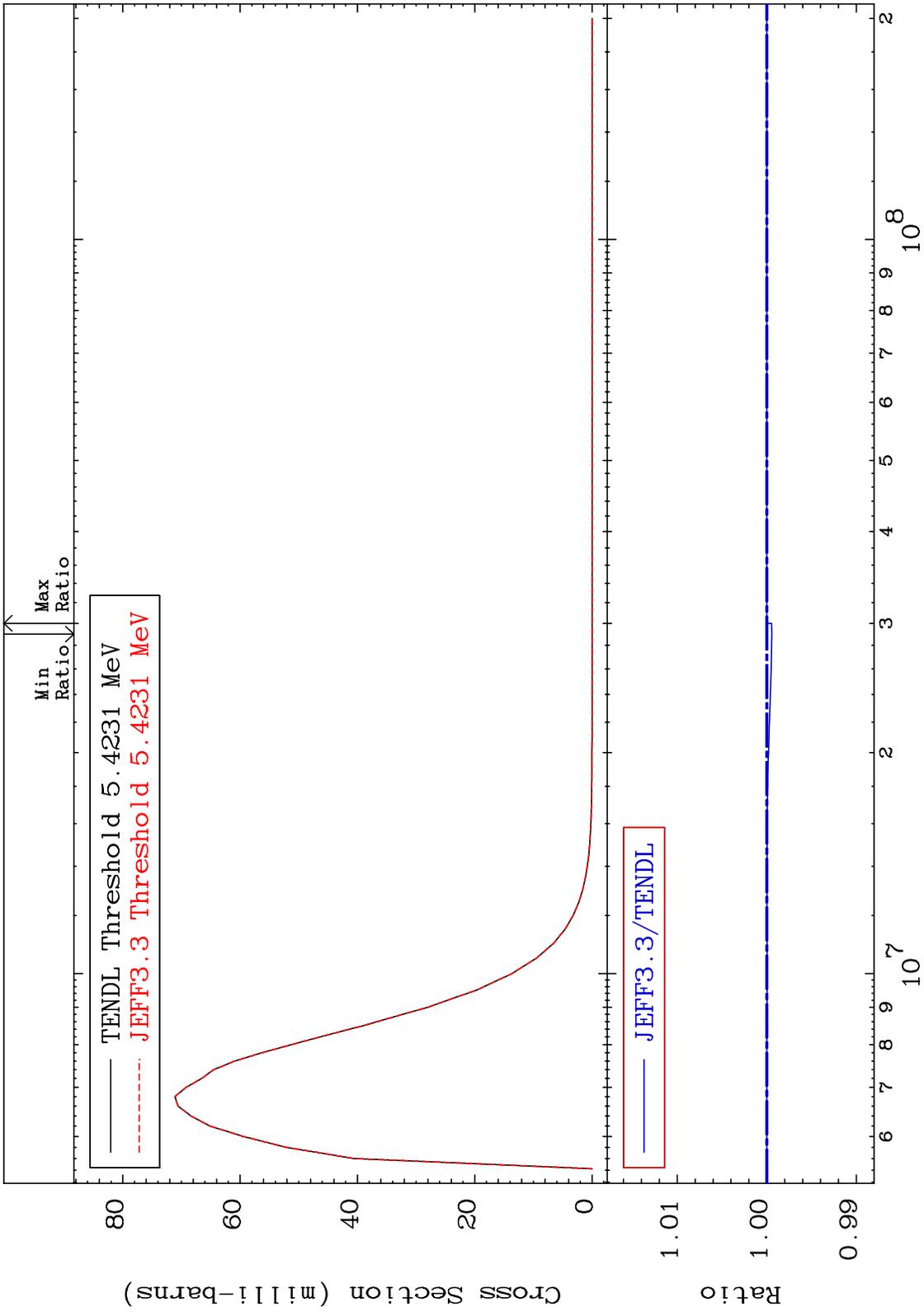
MAT 2049 MT= 55 (n,n') Level Cross Section 20-Ca-48  
 -0.054 To 0.000 %



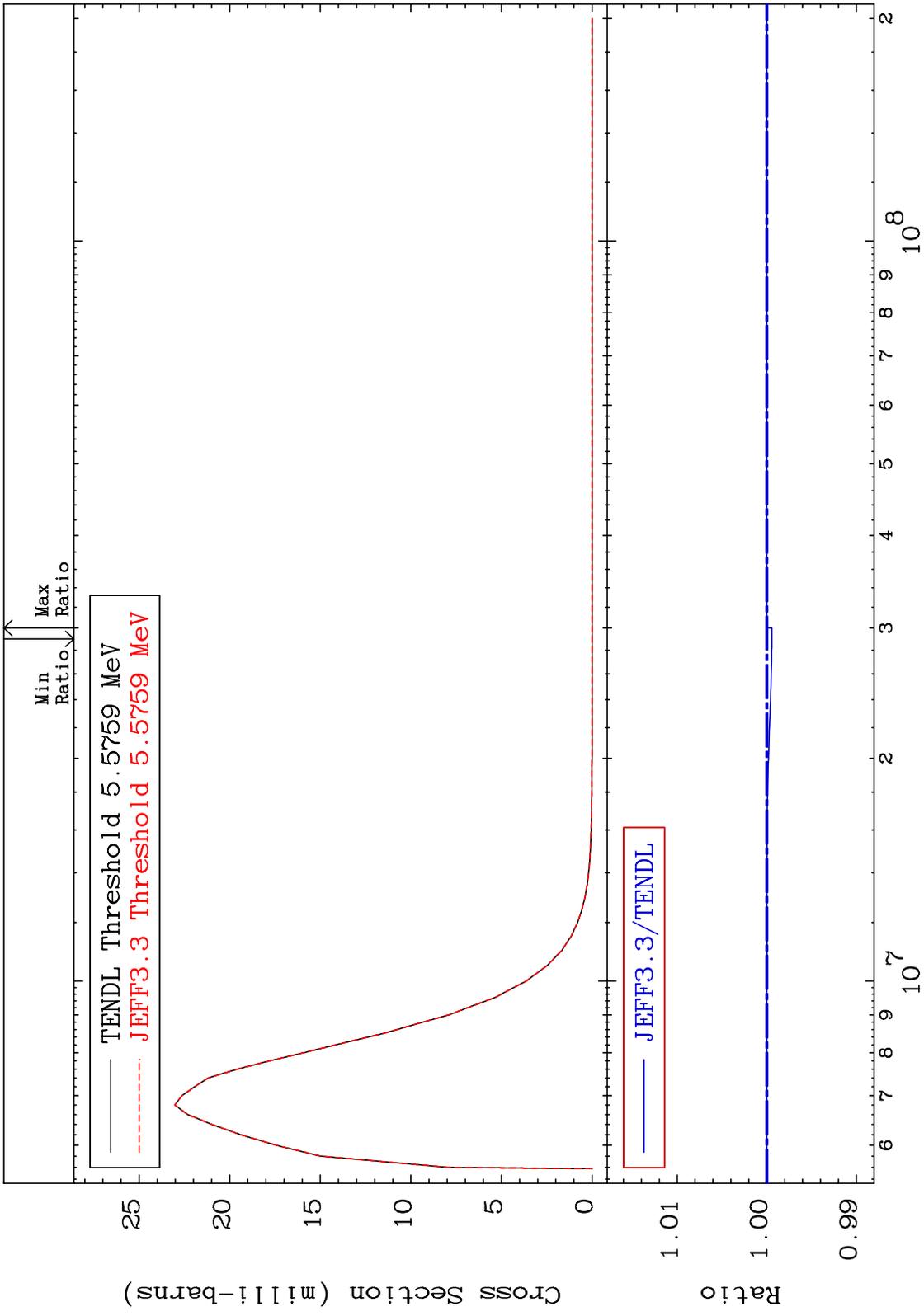
MAT 2049 MT= 58 (n,n') Level Cross Section 20-Ca-48  
 -0.052 To 0.000 %



MAT 2049 MT= 59 (n, n') Level Cross Section 20-Ca-48  
 -0.055 To 0.000 %



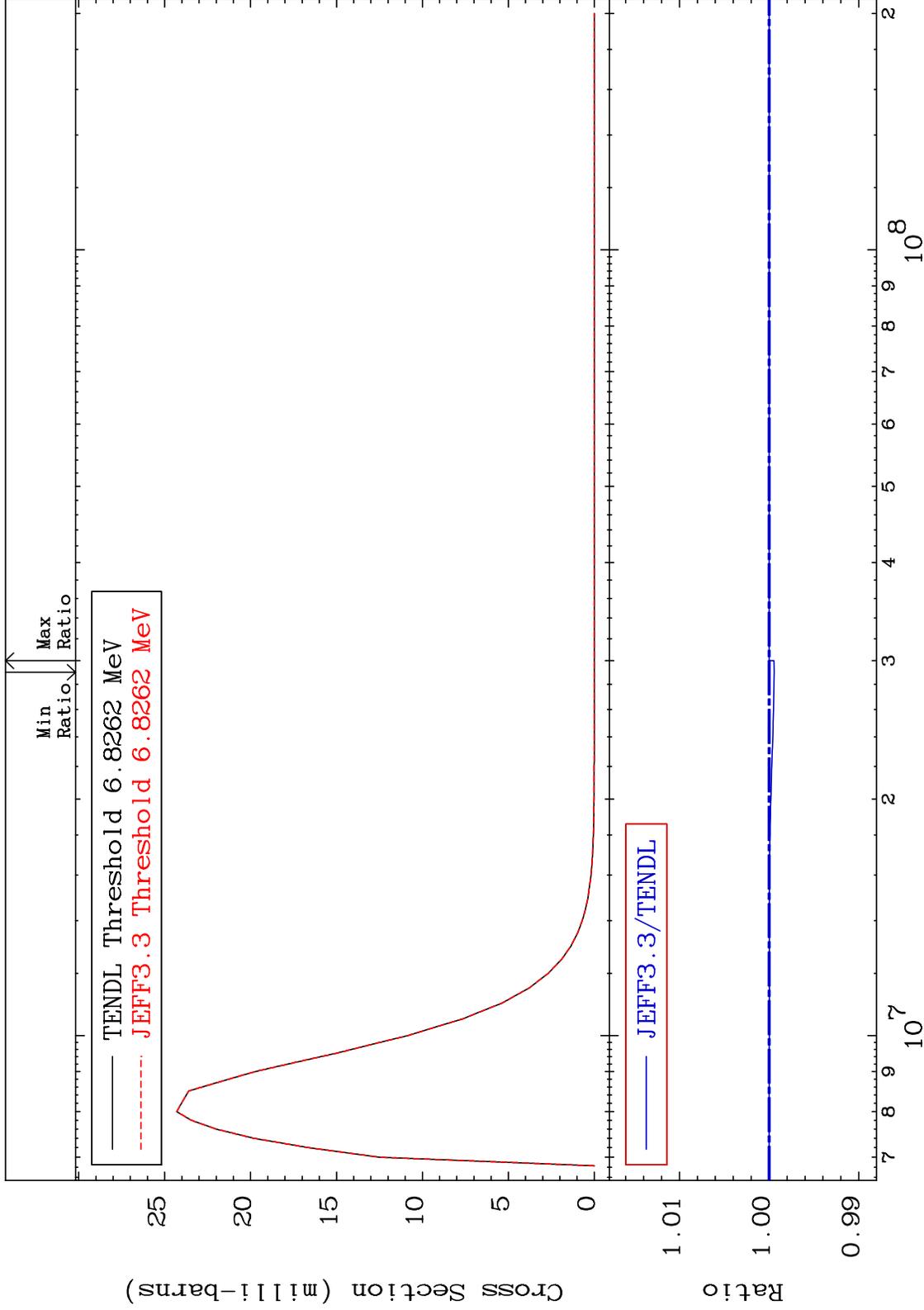
MAT 2049 MT= 62 (n,n') Level Cross Section 20-Ca-48  
 -0.056 To 0.000 %



MAT 2049

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

20-Ca-48  
-0.056 To 0.000 %

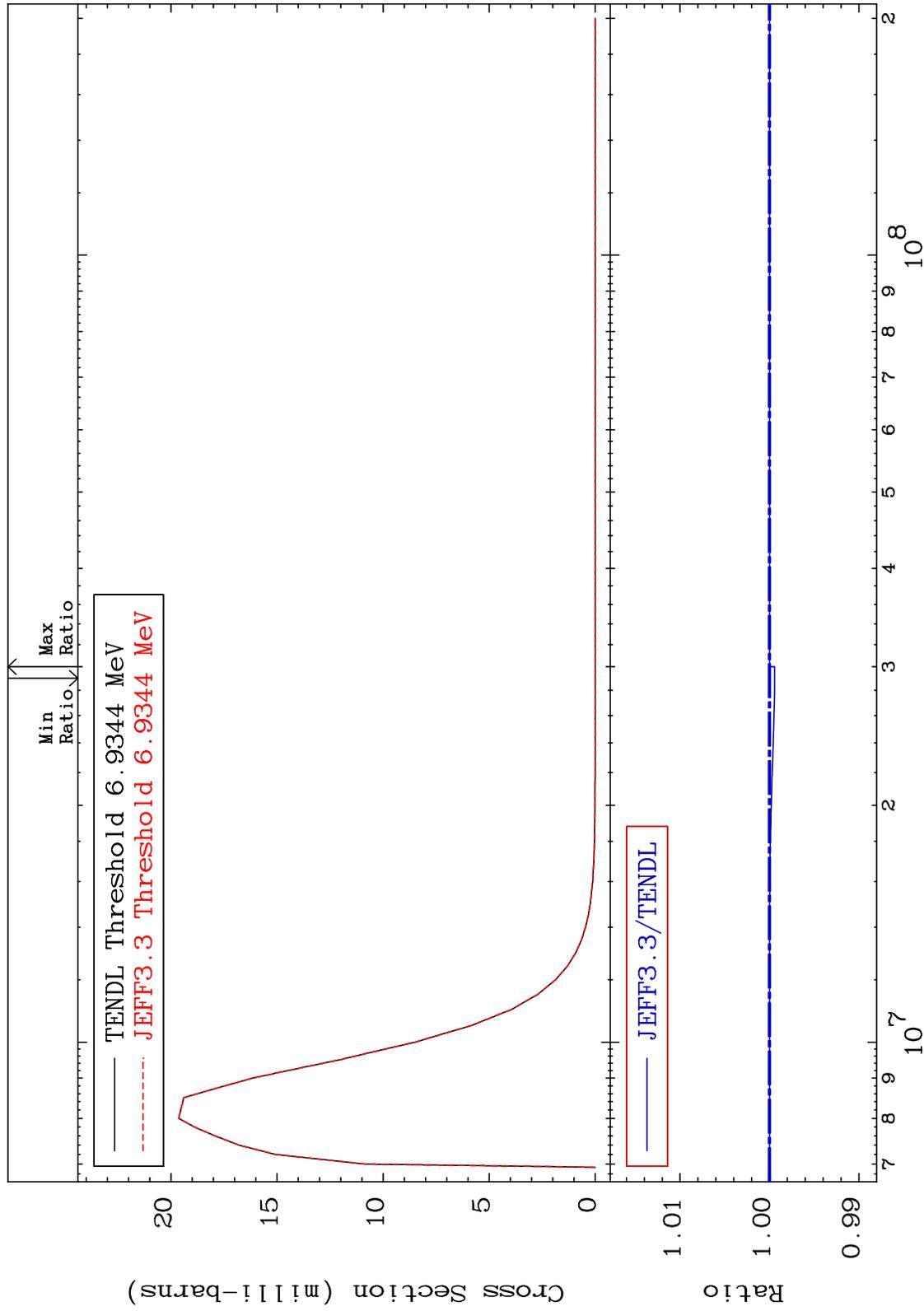


18

MAT 2049

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

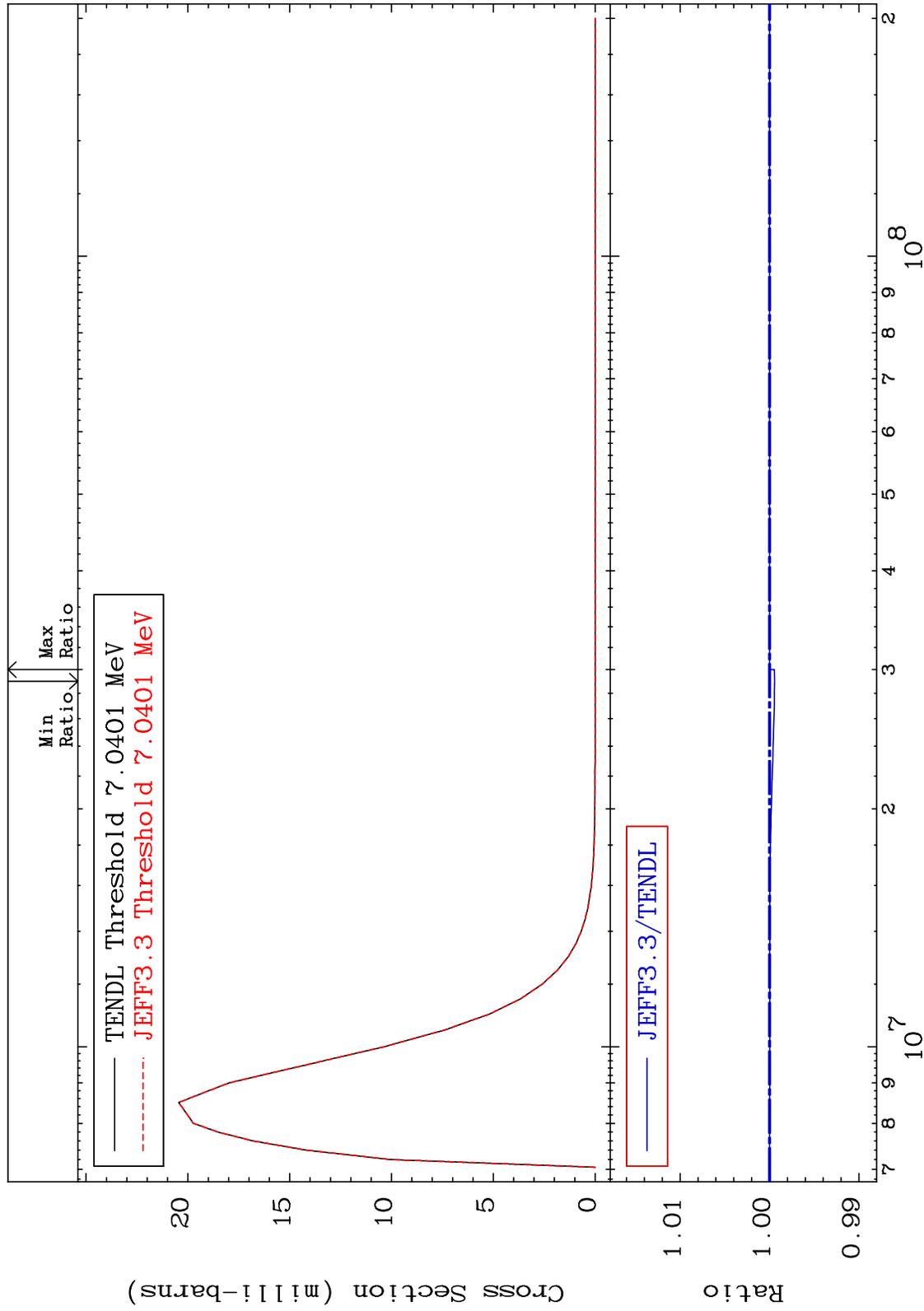
20-Ca-48  
-0.057 To 0.000 %



MAT 2049

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

20-Ca-48  
-0.056 To 0.000 %

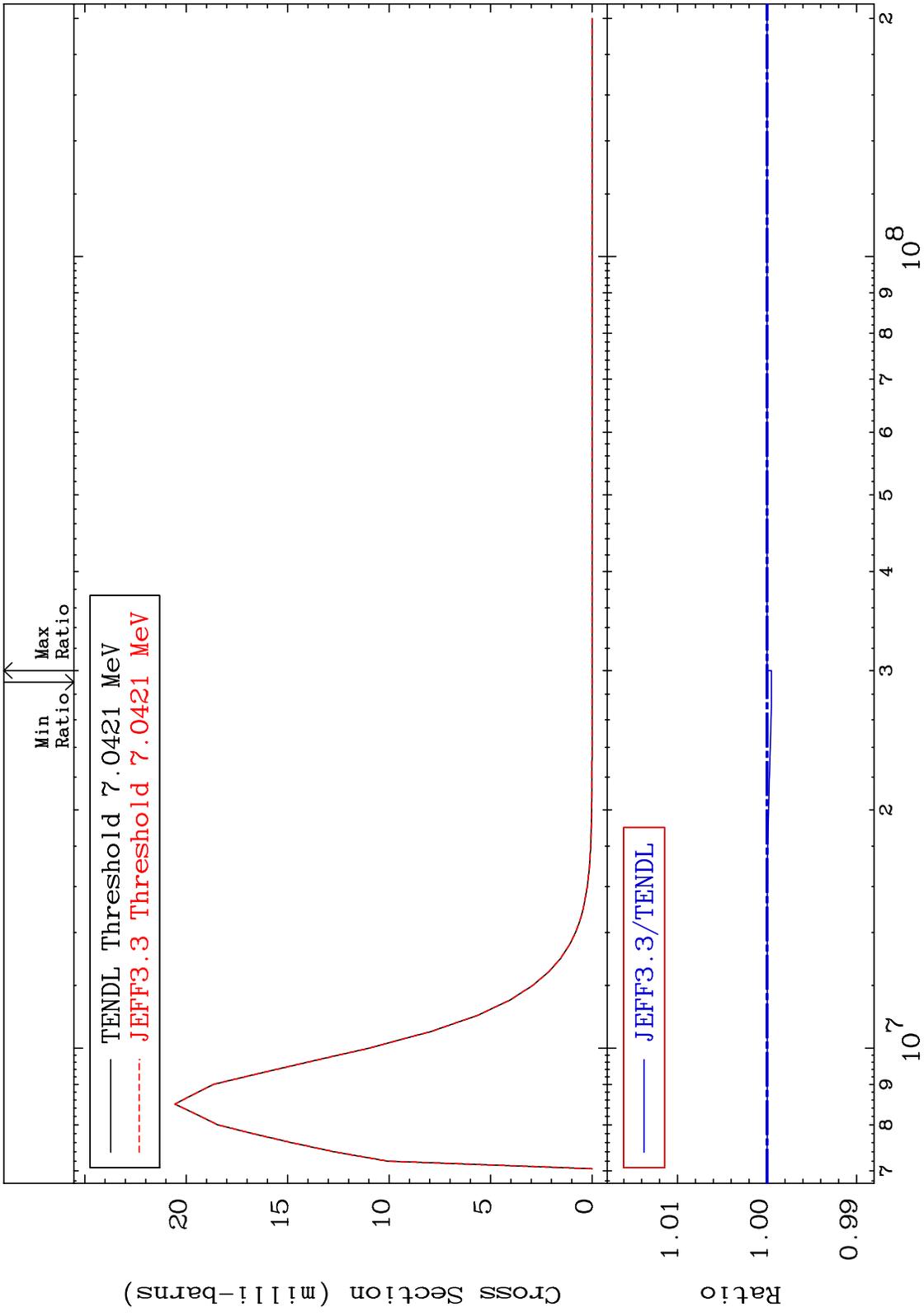


20

Incident Energy (eV)

20-Ca-48

MAT 2049 MT= 75 (n,n') Level Cross Section 20-Ca-48  
 -0.050 To 0.000 %

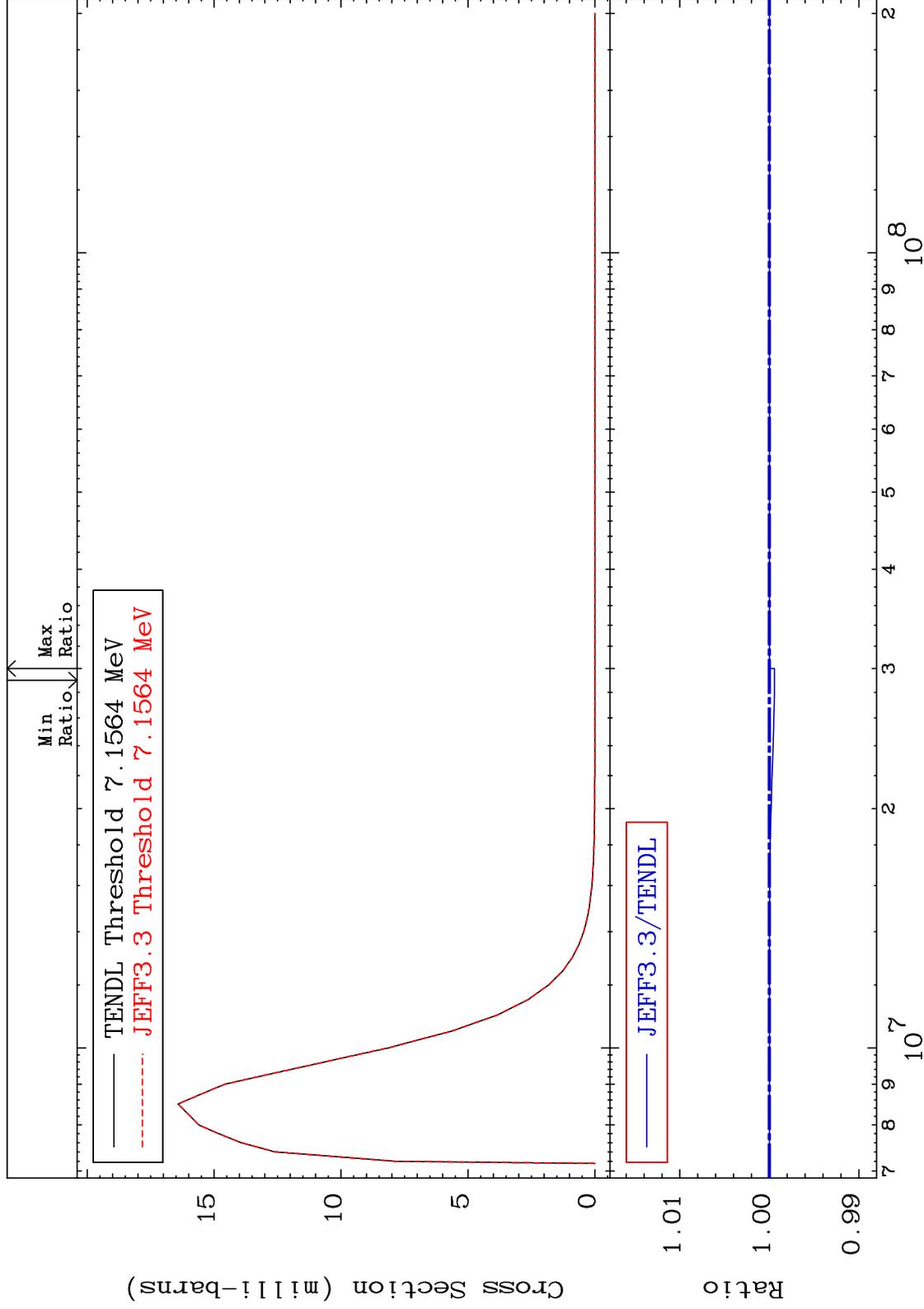


21 Incident Energy (eV) 20-Ca-48

MAT 2049

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

20-Ca-48  
-0.057 To 0.000 %



22

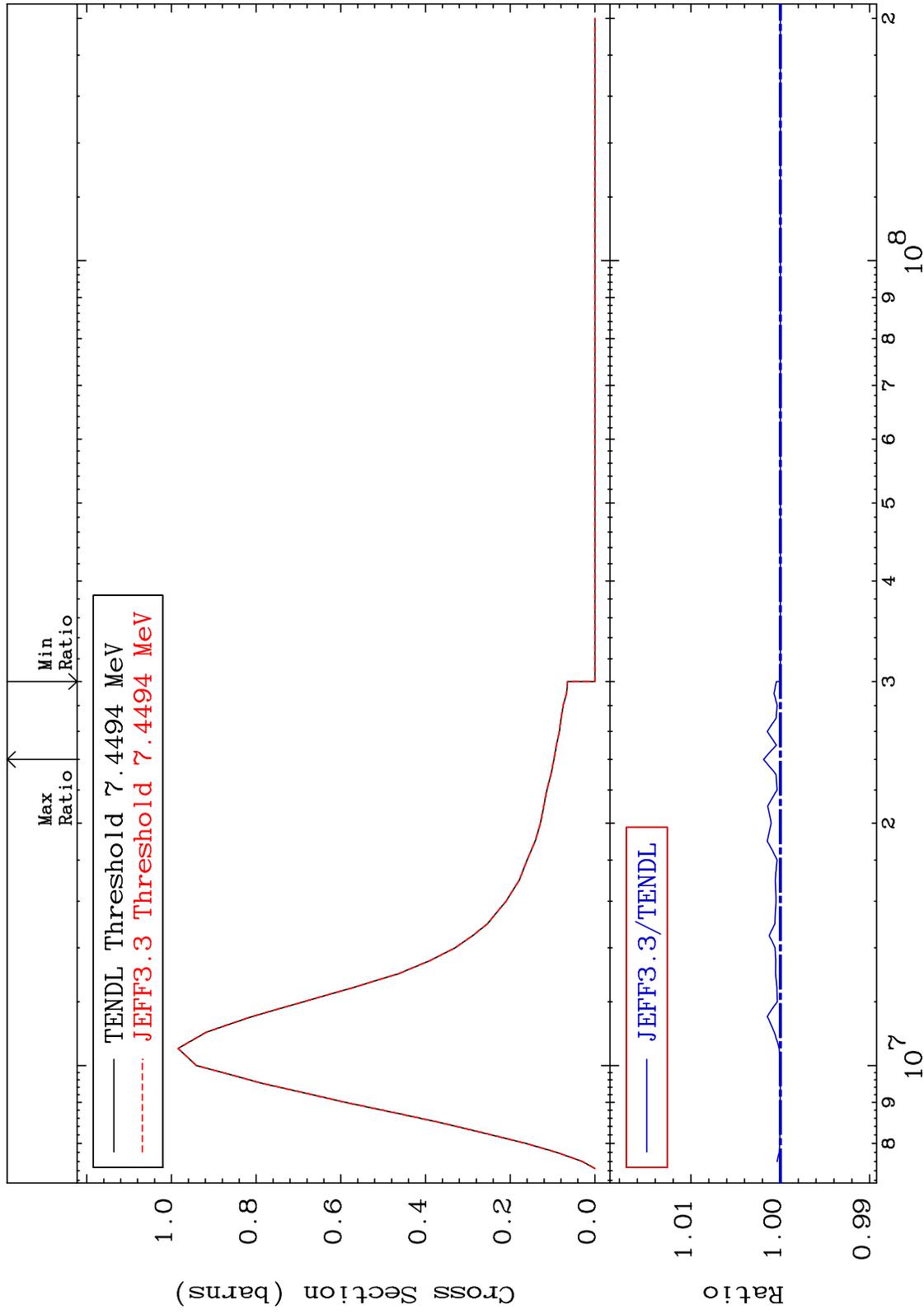
Incident Energy (eV)

20-Ca-48

MAT 2049

(n, n') Continuum  
Cross Section

20-Ca-48  
0.000 To 0.189 %



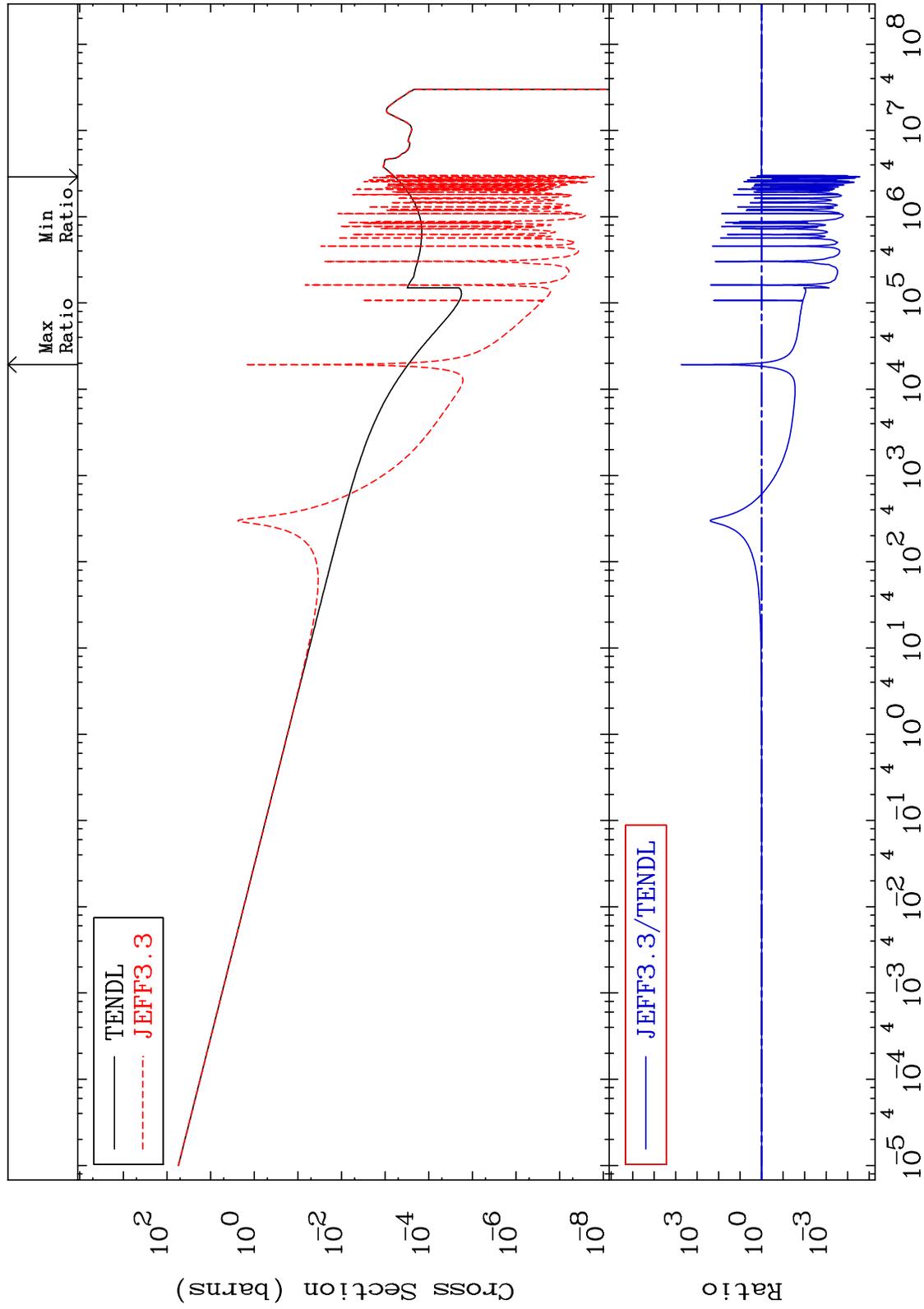
MAT 2049

(n,  $\gamma$ )

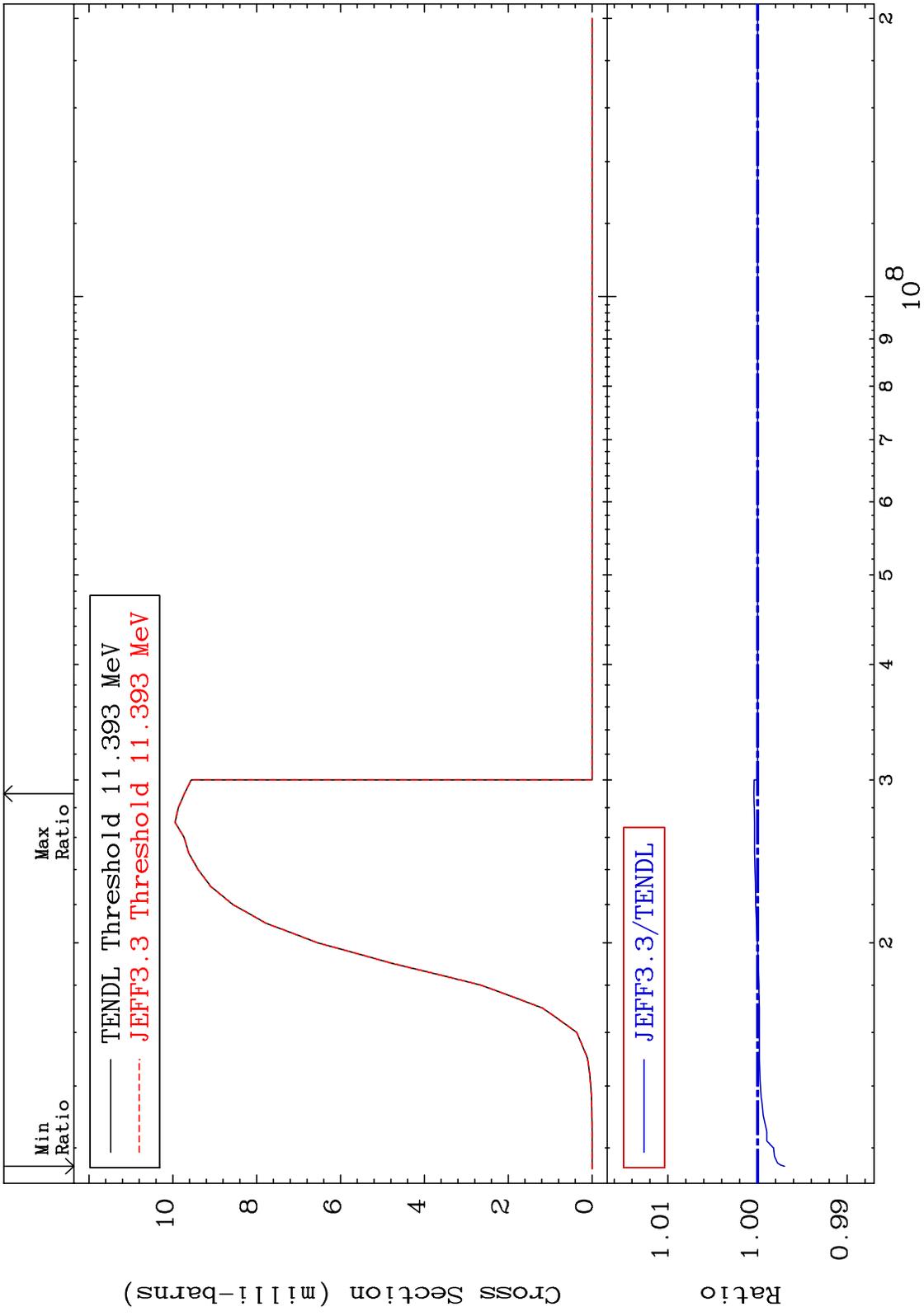
20-Ca-48

Cross Section

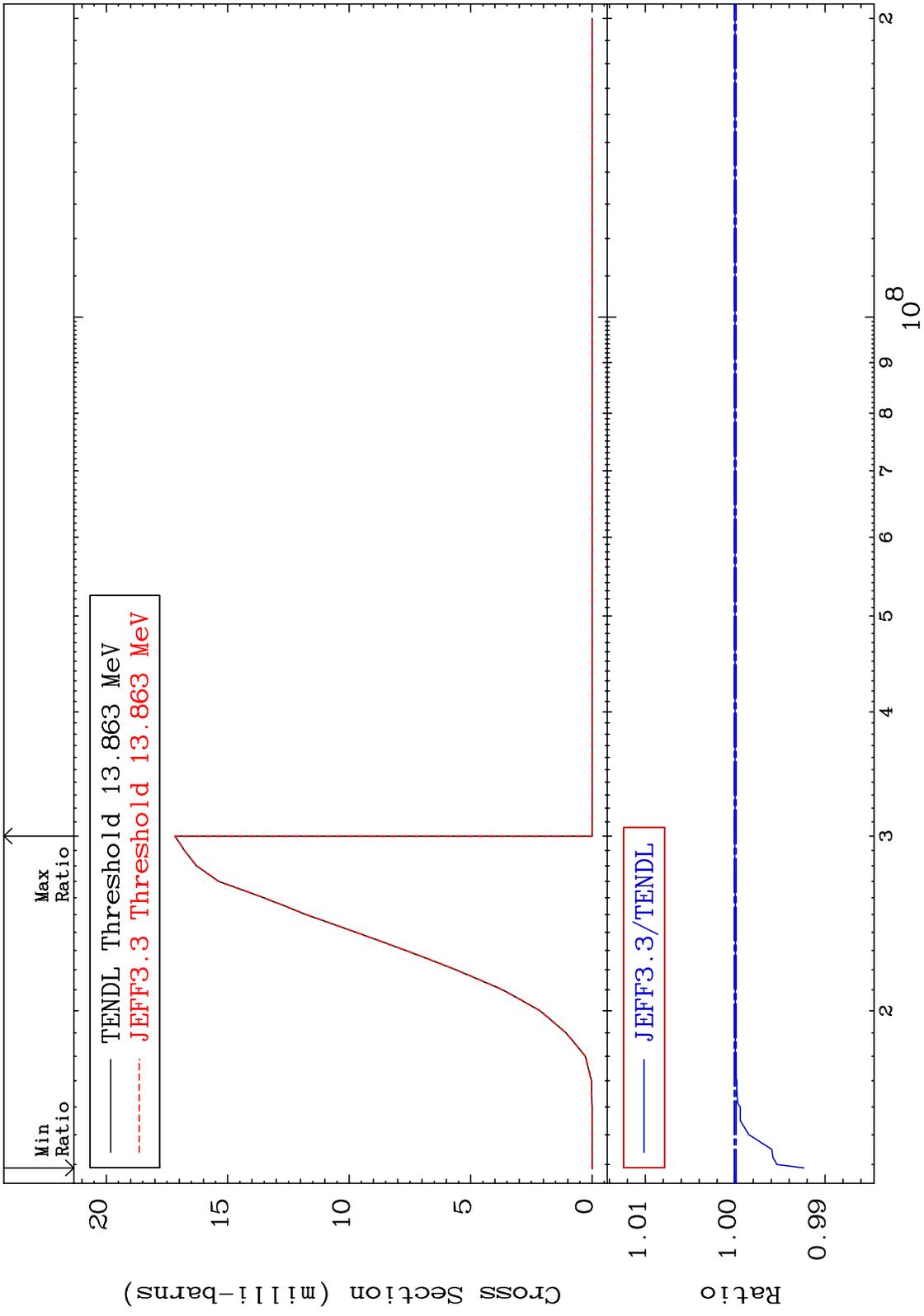
-100.0 To 9999. %



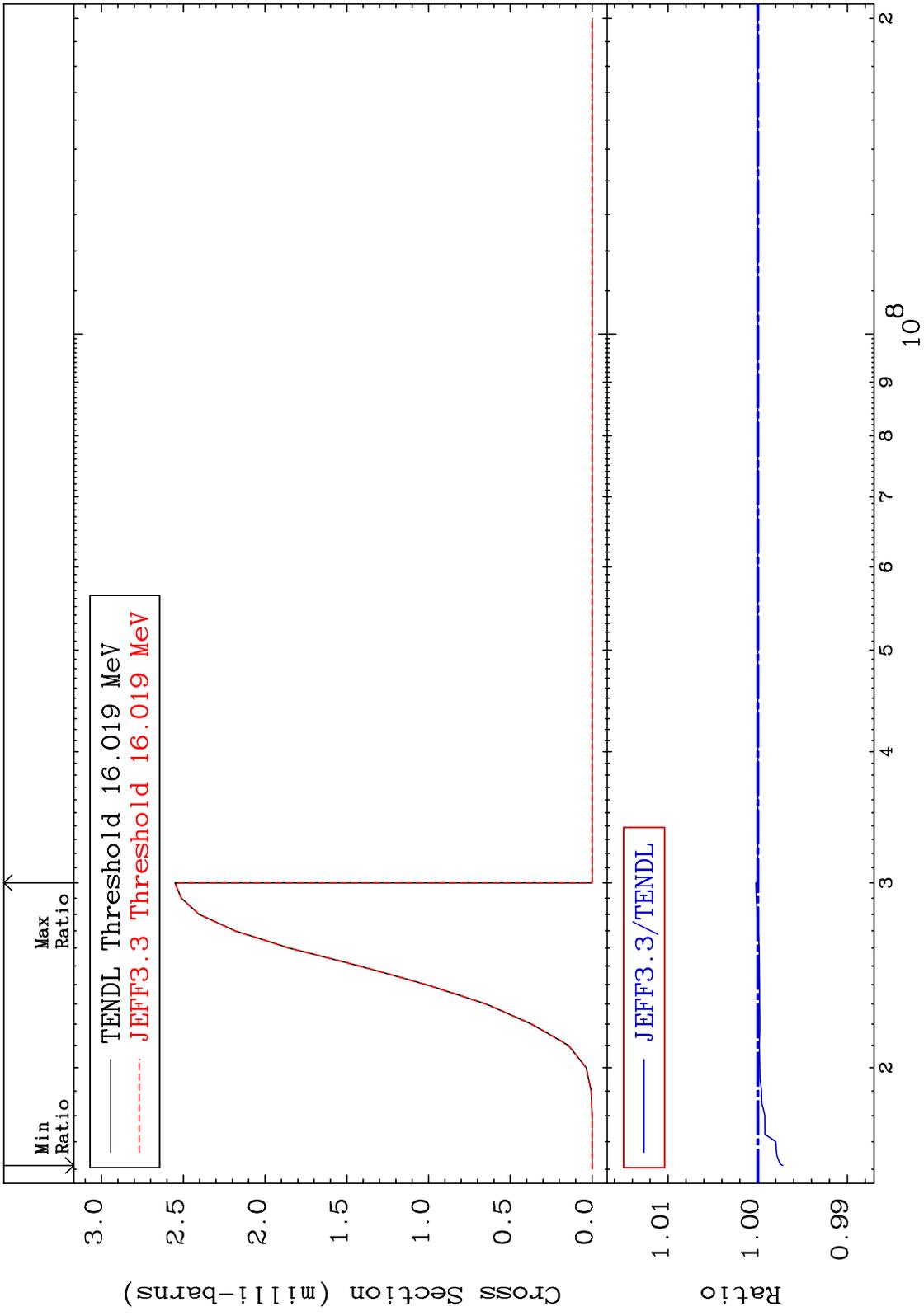
MAT 2049 (n,p) Cross Section 20-Ca-48  
 -0.302 To 0.040 %



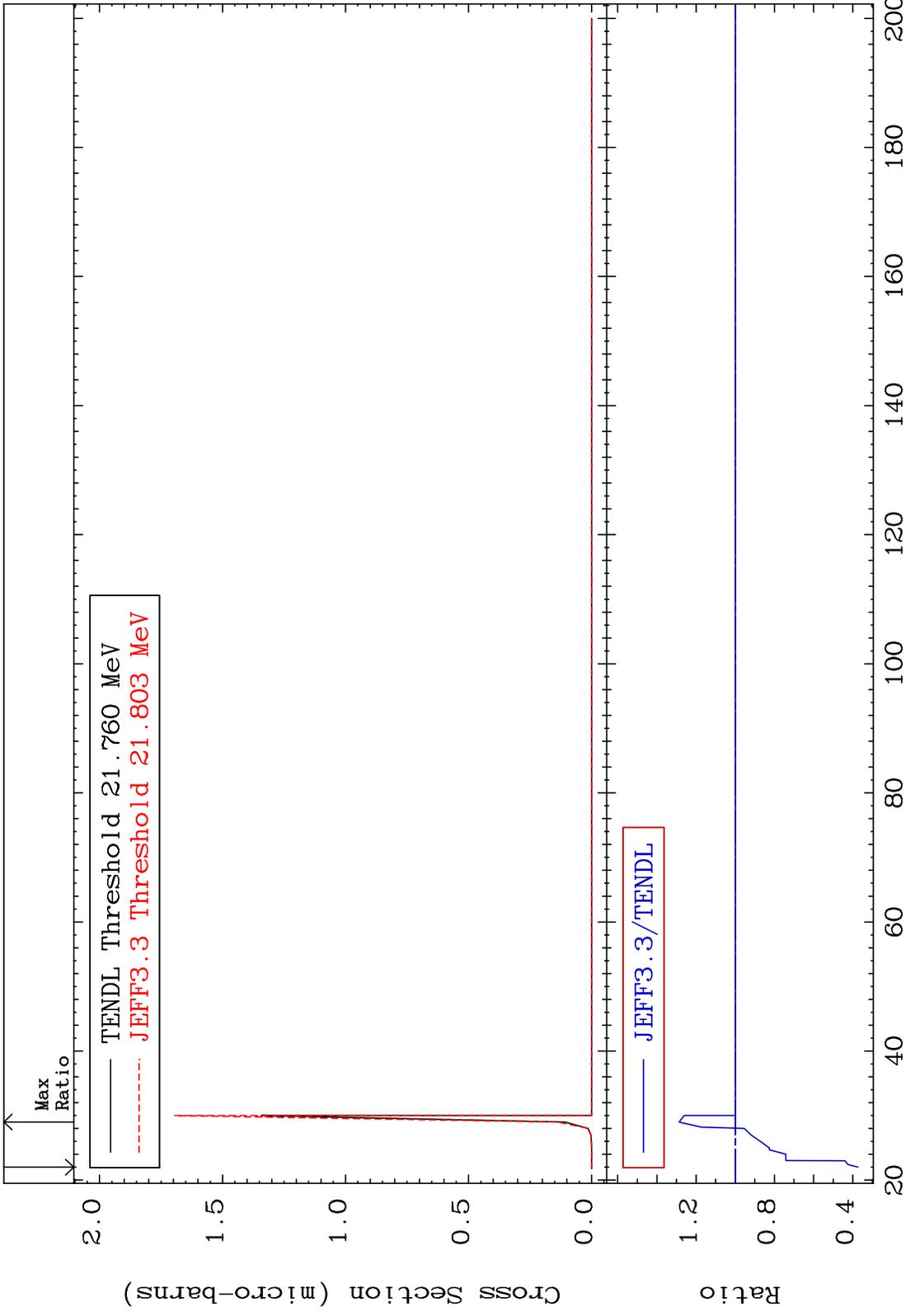
MAT 2049 (n,d) 20-Ca-48  
 Cross Section -0.763 To 0.004 %



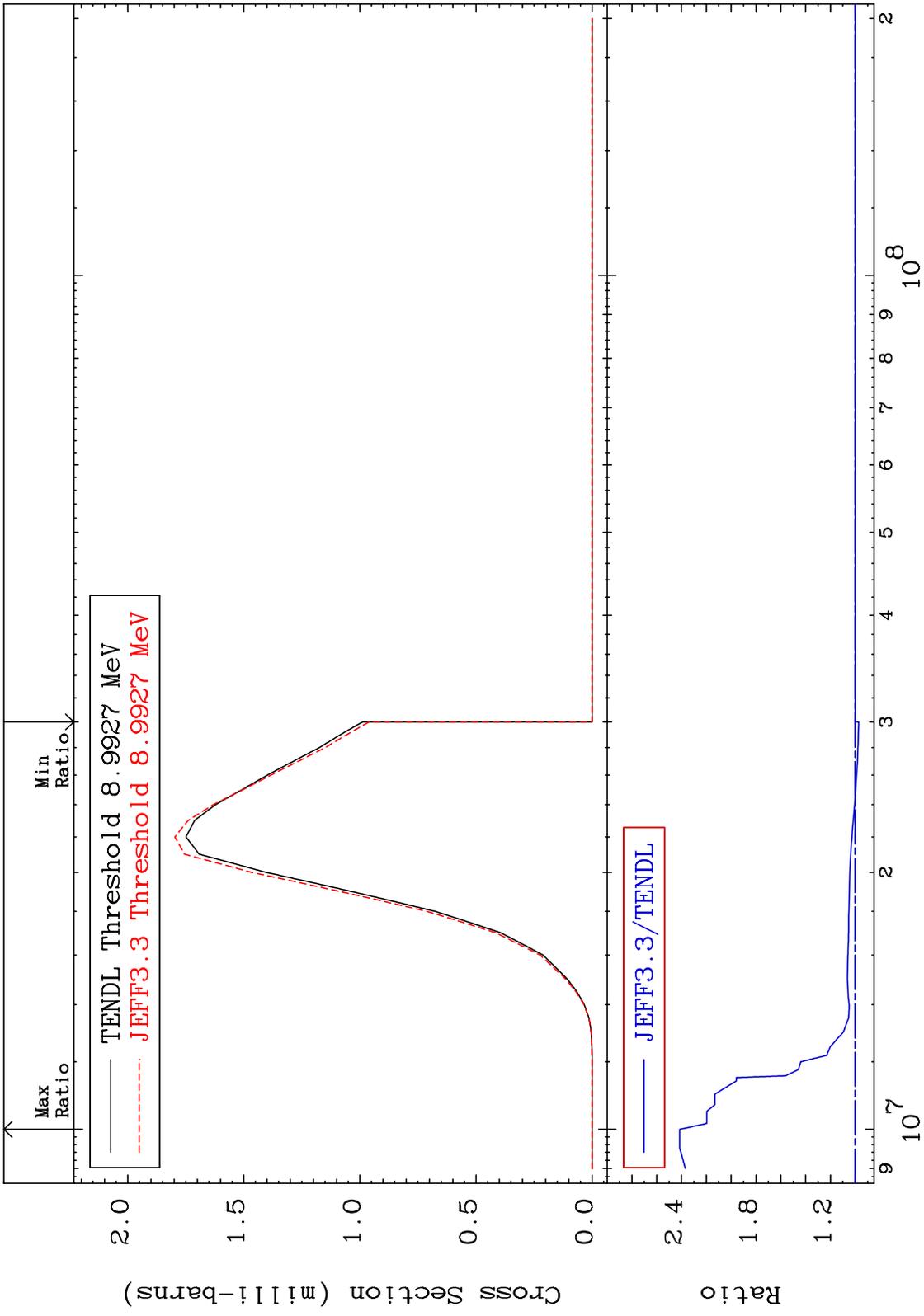
MAT 2049 (n,t) 20-Ca-48  
 Cross Section -0.278 To 0.022 %

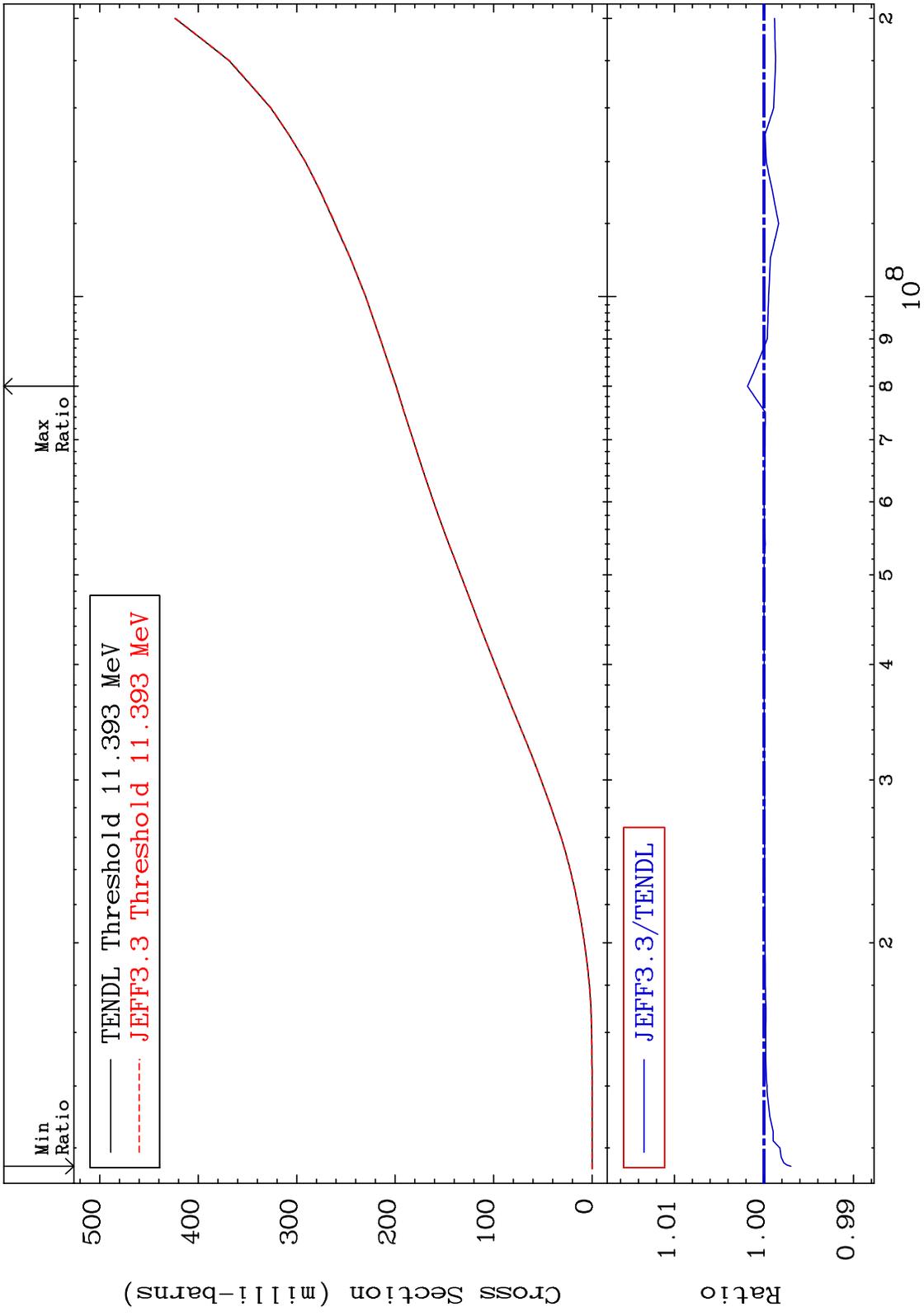


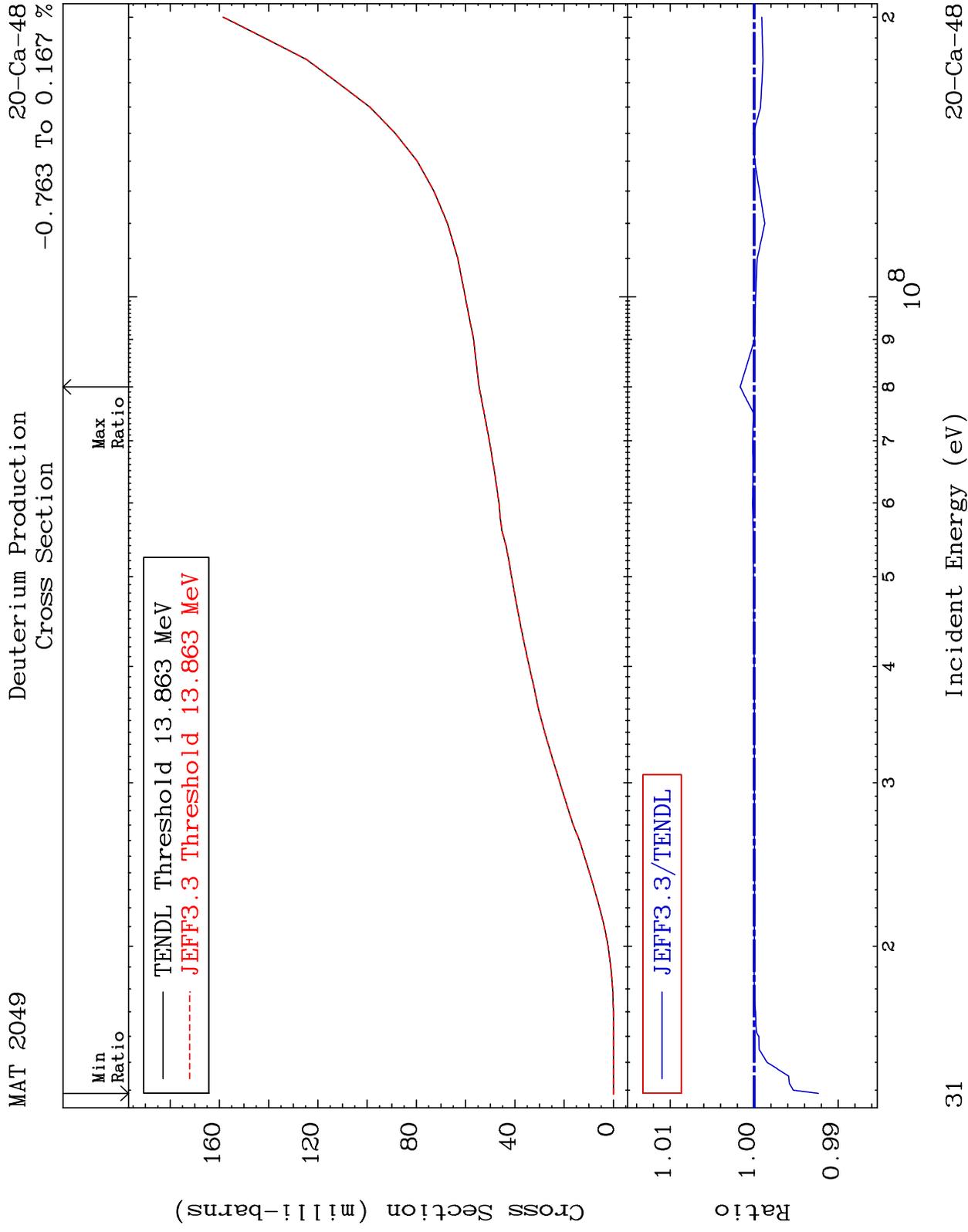
MAT 2049 (n, He-3) 20-Ca-48  
Cross Section -62.68 To 28.64 %

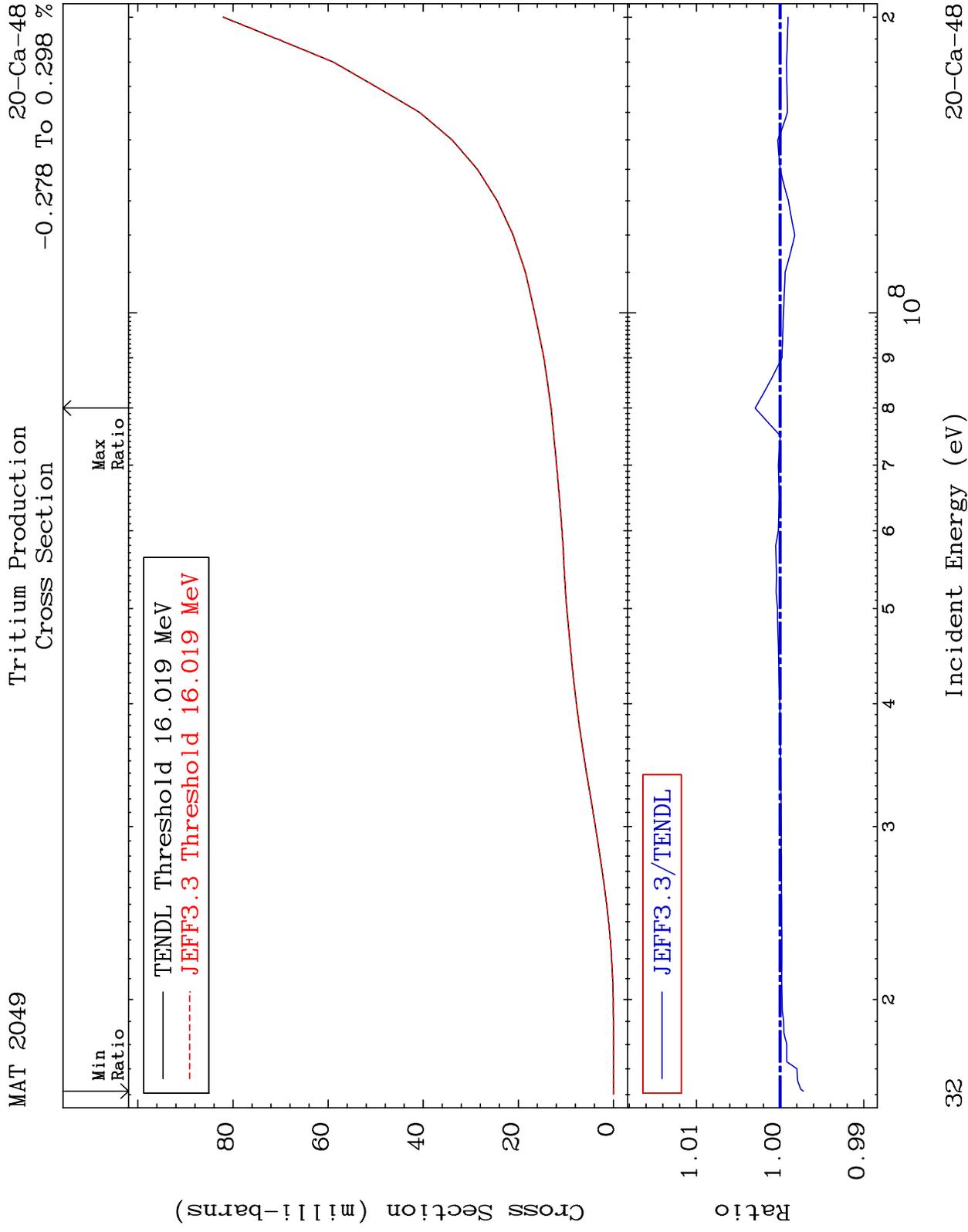


MAT 2049  $(n, \alpha)$  Cross Section 20-Ca-48  
 -2.837 To 141.4 %

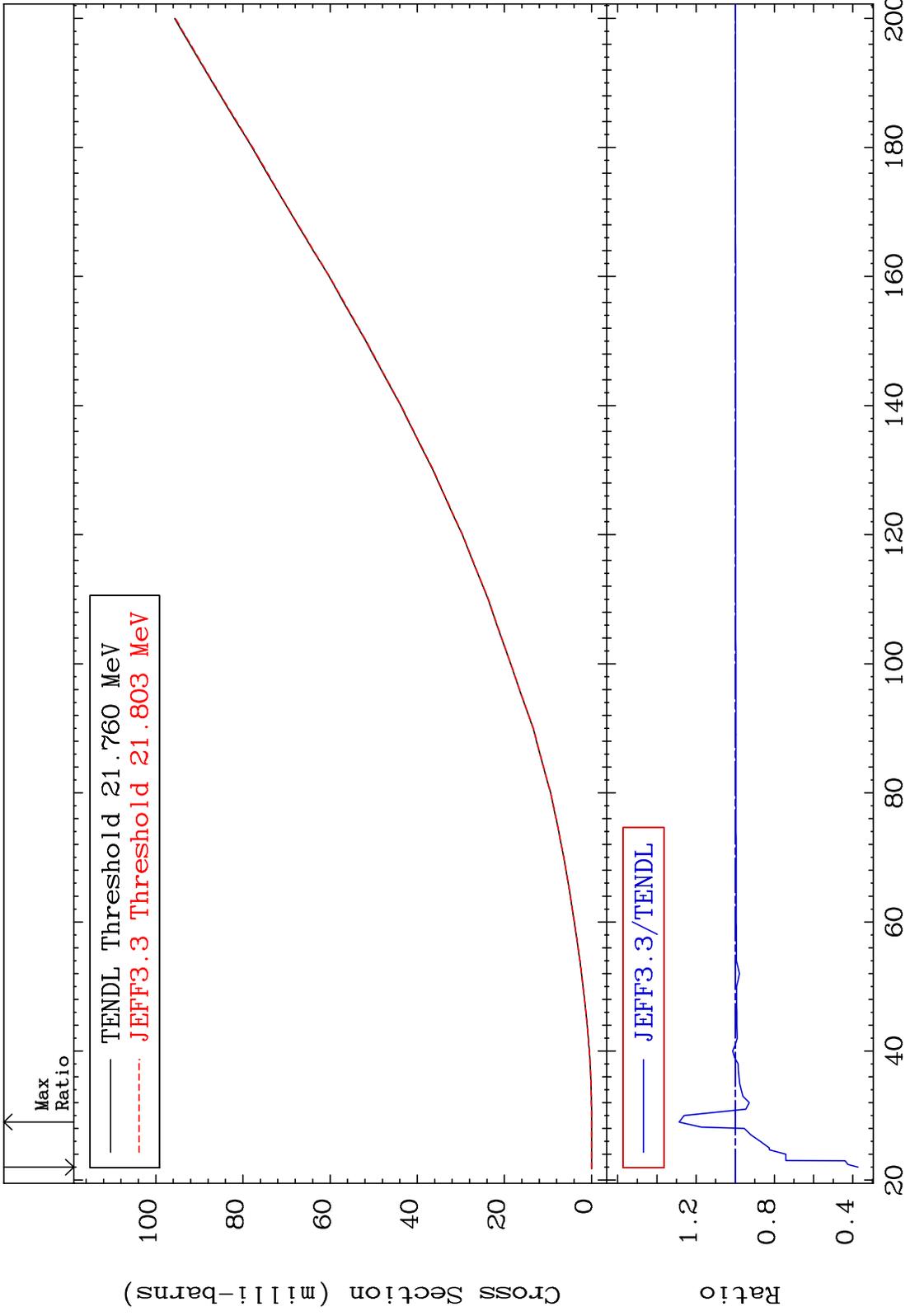




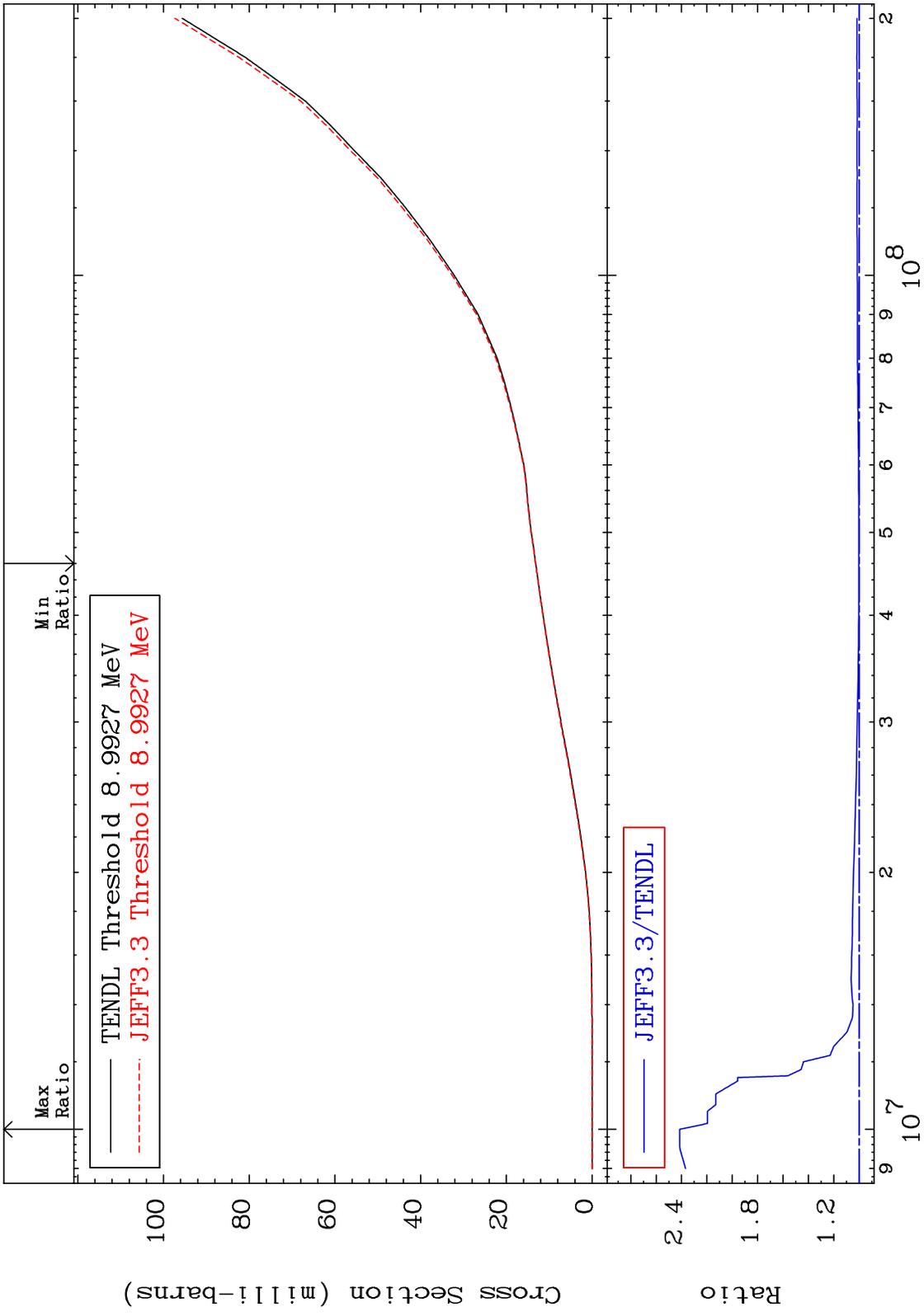




MAT 2049 He-3 Production Cross Section 20-Ca-48  
 -62.68 To 28.64 %

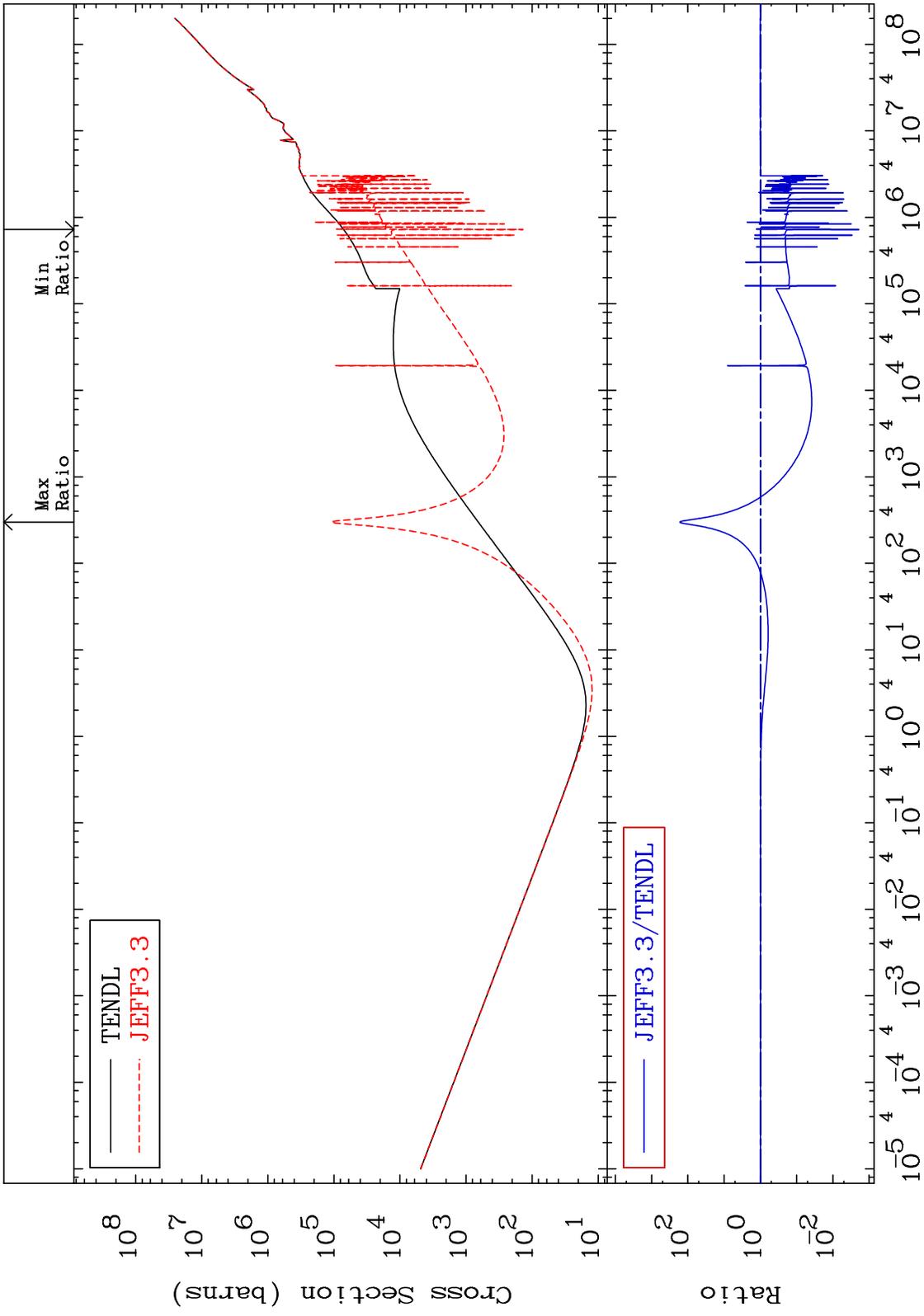


MAT 2049 He-4 Production Cross Section 20-Ca-48 To 141.4 %



34 20-Ca-48

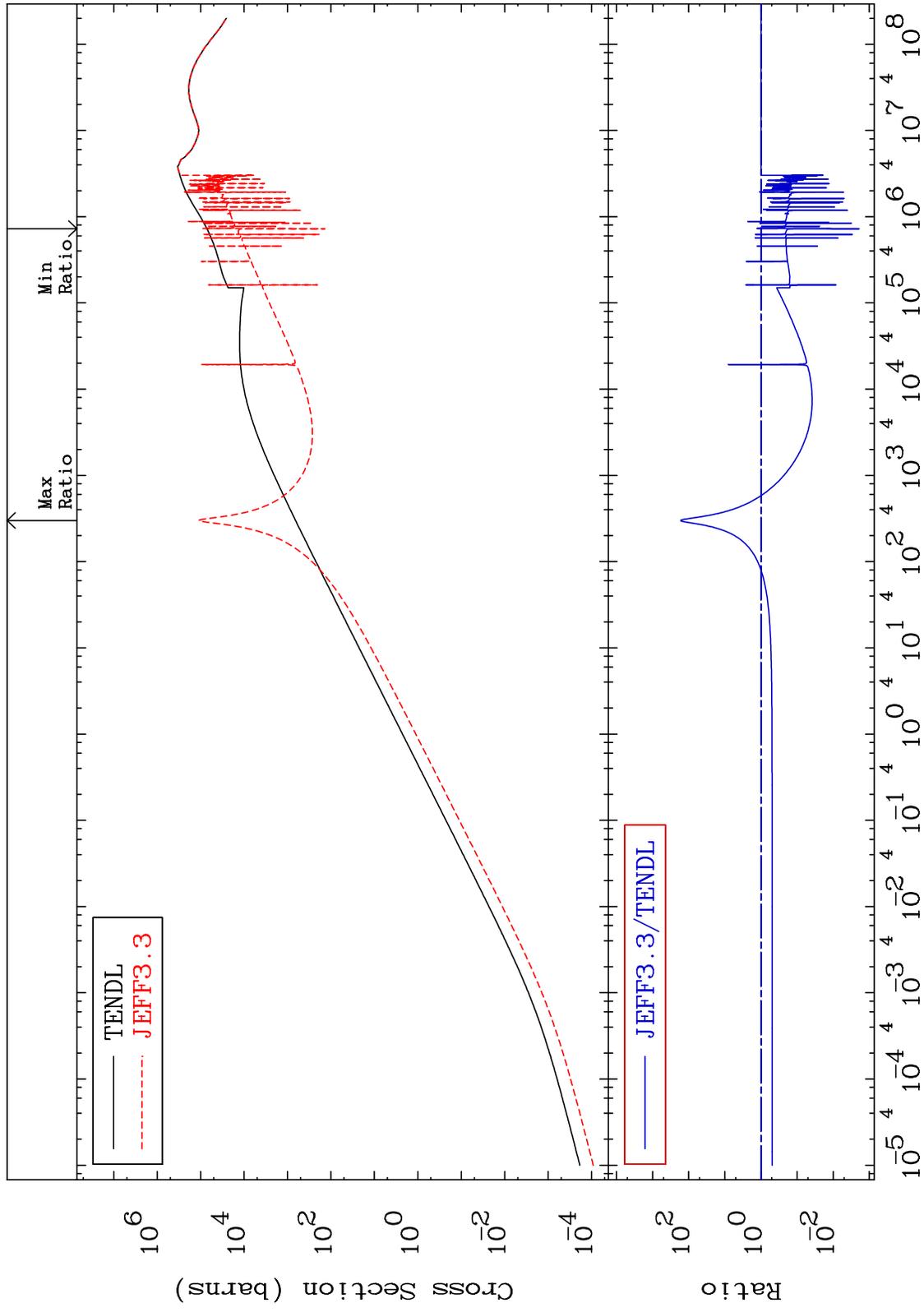
MAT 2049 Kerma total (eV-barns) 20-Ca-48  
 Cross Section -99.81 To 9999. %



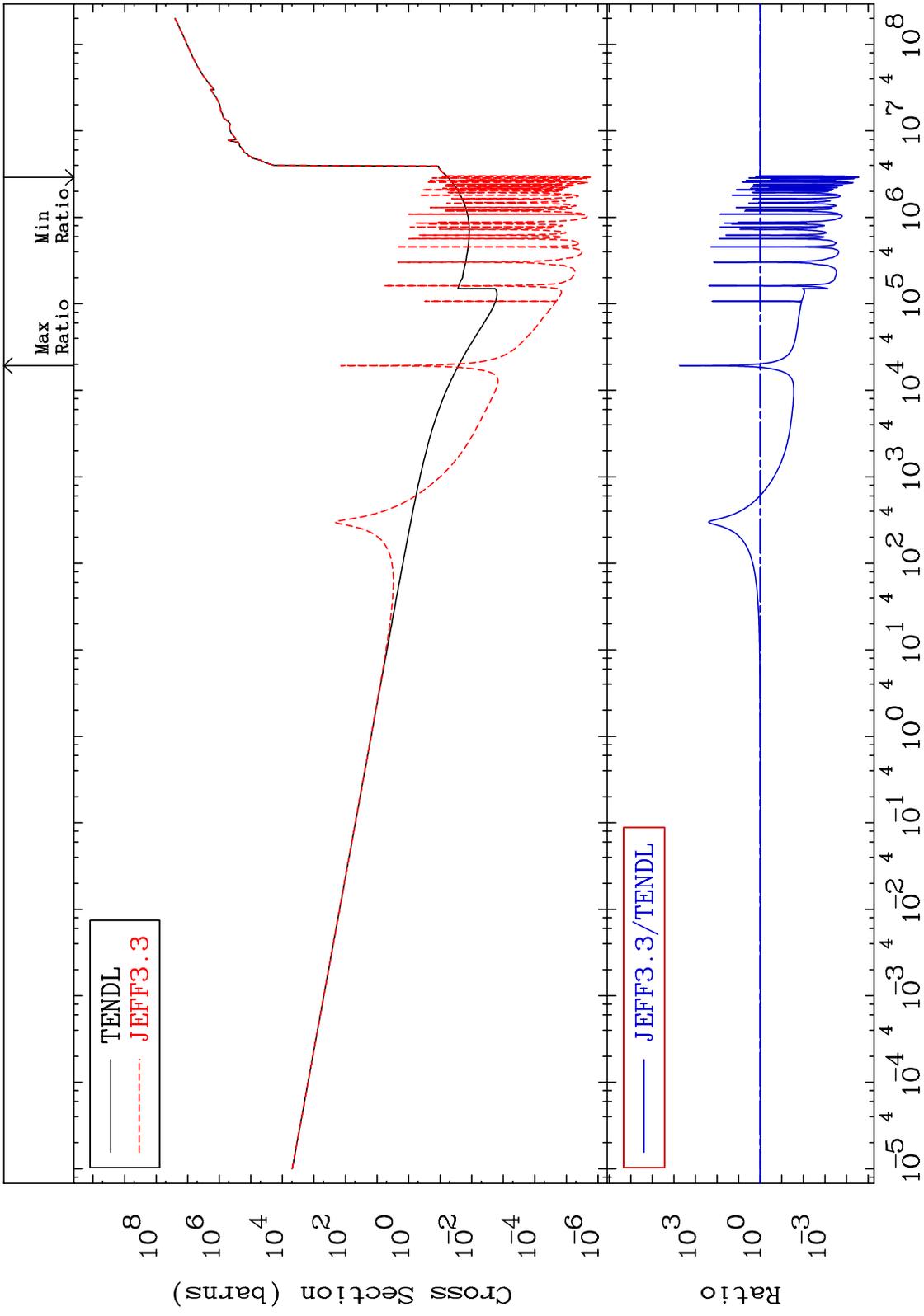
MAT 2049

Kerma elastic  
Cross Section

20-Ca-48  
-99.81 To 9999. %



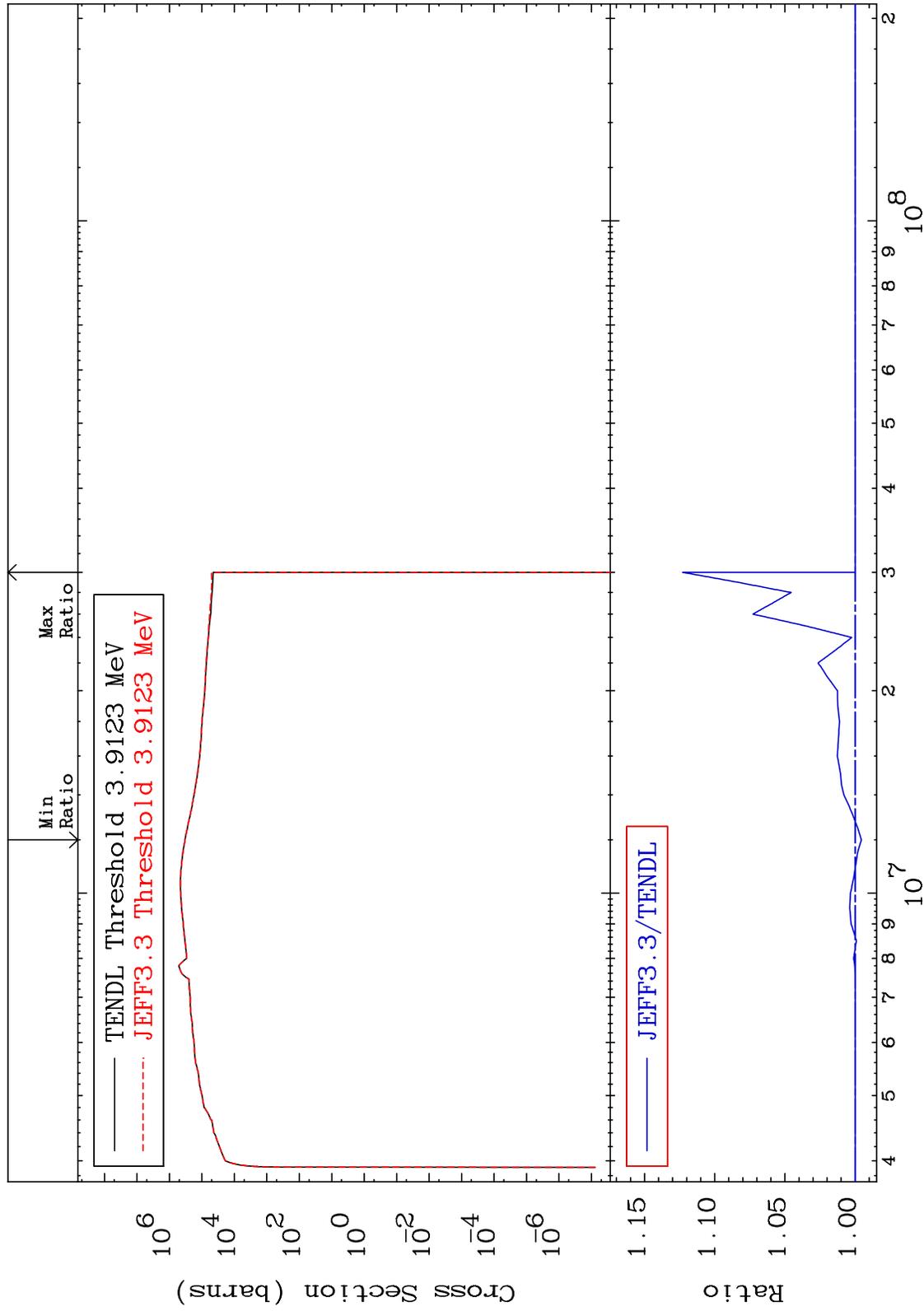
MAT 2049 Kerma non-elastic (all but mt2) 20-Ca-48  
 Cross Section -100.0 To 9999. %



MAT 2049

Kerma inelastic (mt51-91)  
Cross Section

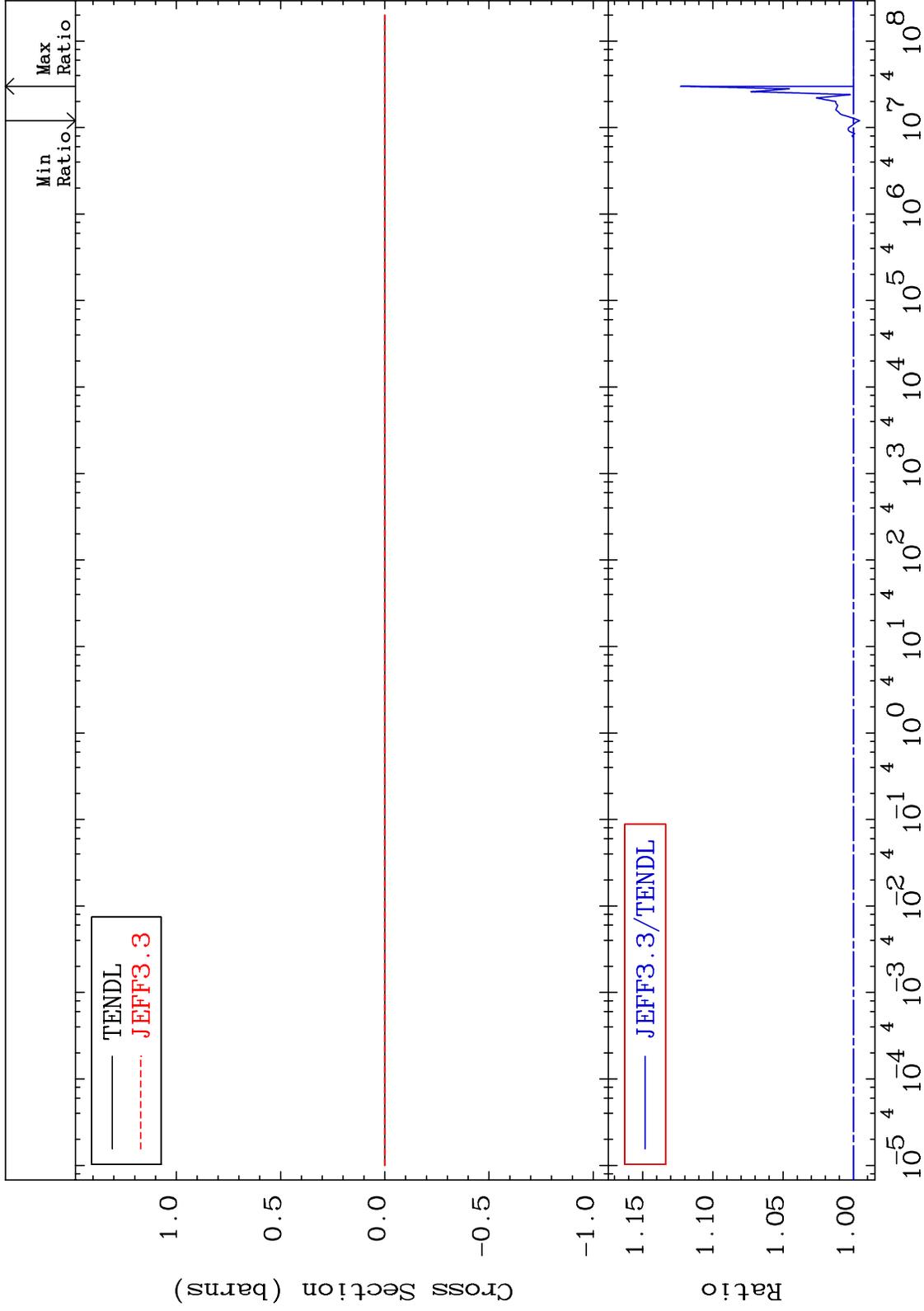
20-Ca-48  
-0.445 To 12.28 %



MAT 2049

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

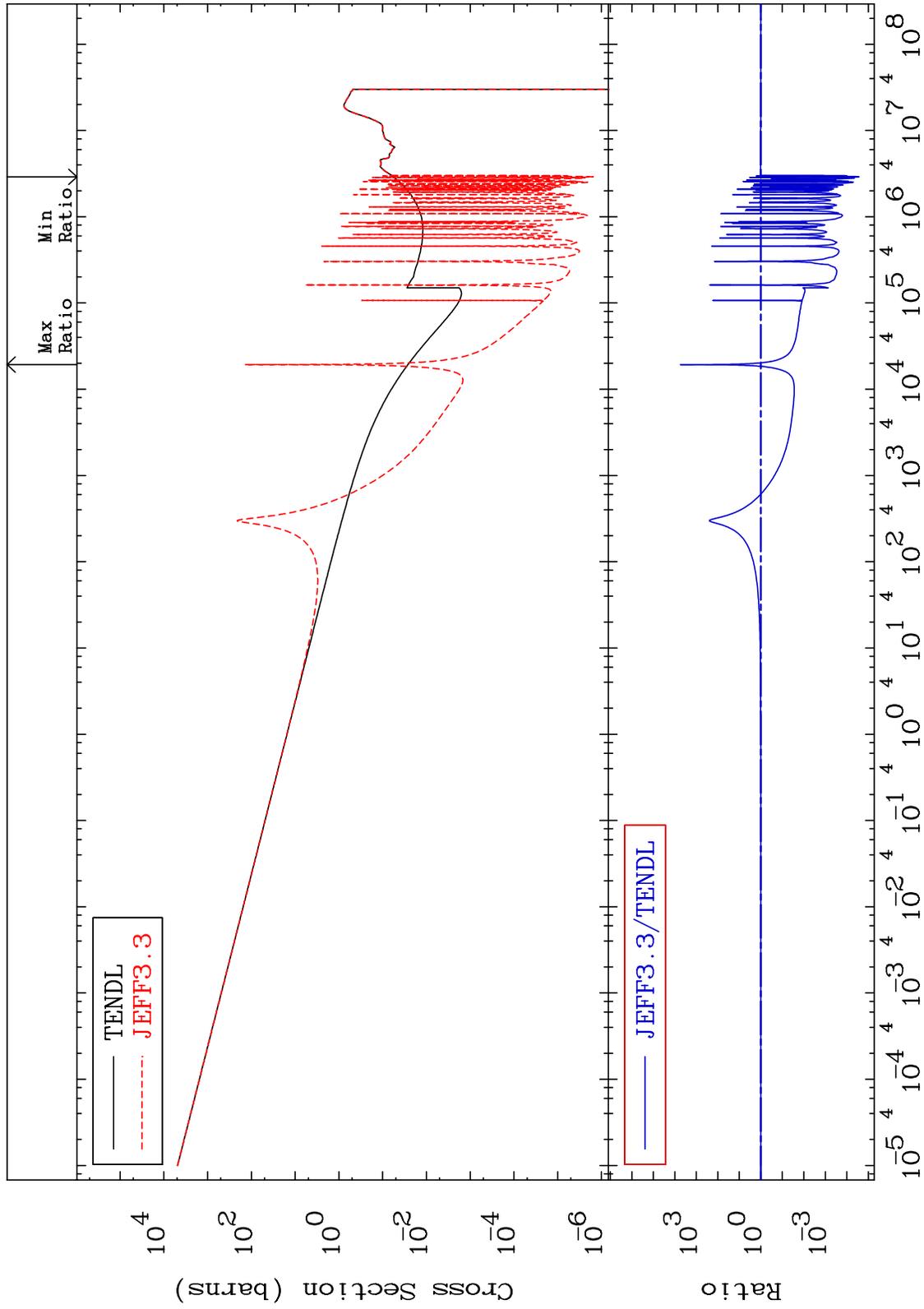
20-Ca-48  
-0.445 To 12.28 %



MAT 2049

Kerma capture (mt102)  
Cross Section

20-Ca-48  
-100.0 To 9999. %

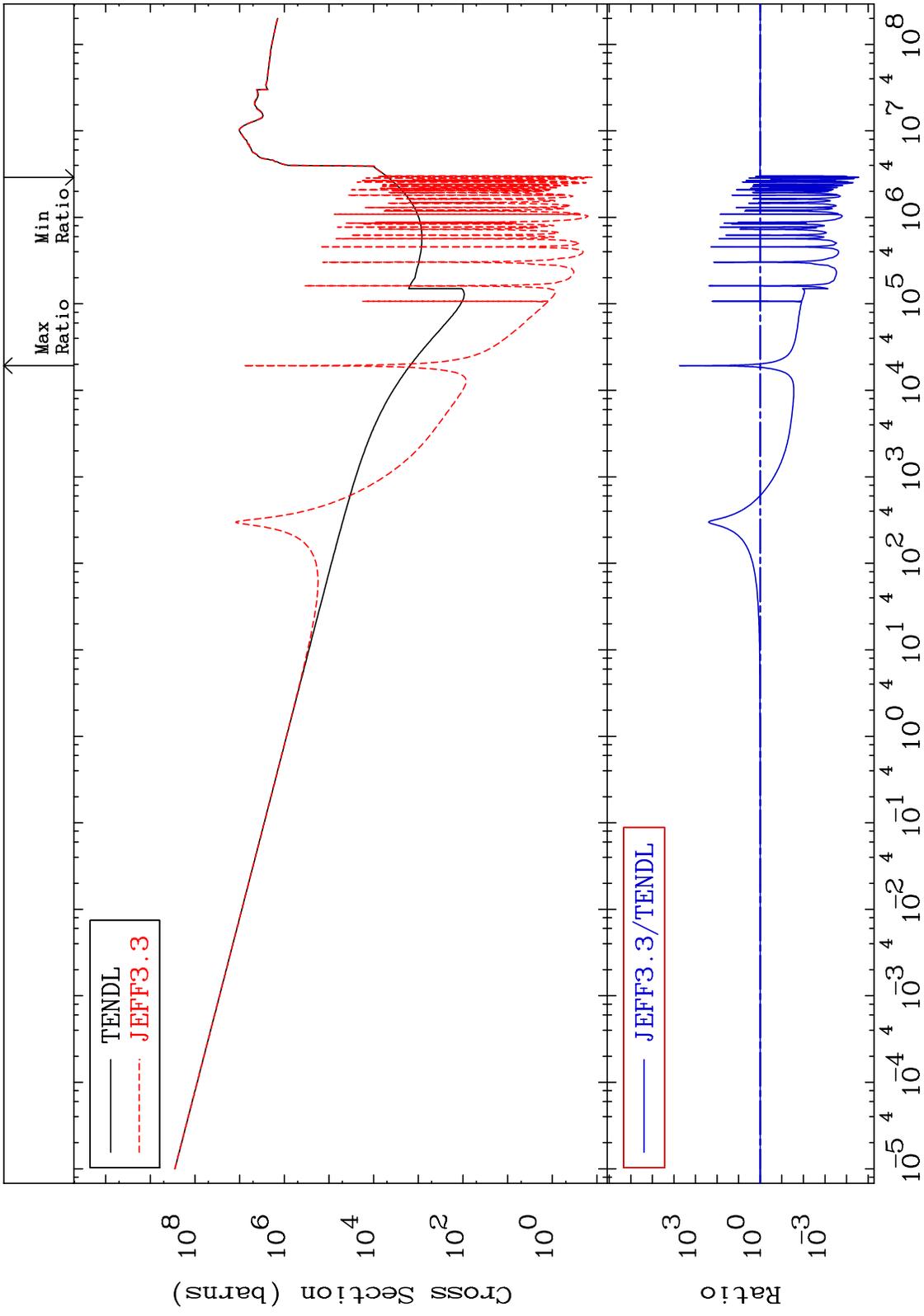


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Incident Energy (eV)

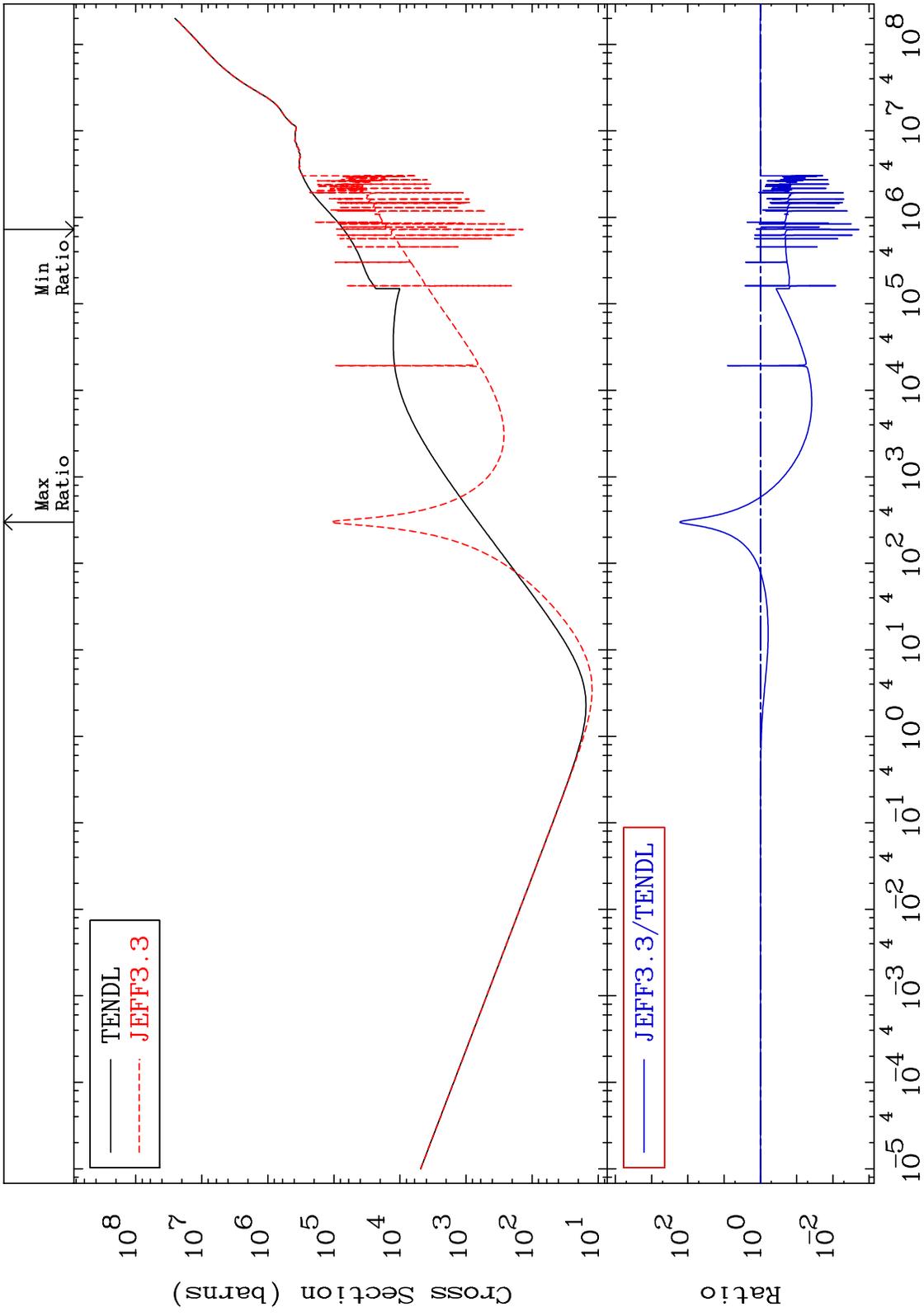
20-Ca-48

MAT 2049 Total photon (eV-barns) Cross Section 20-Ca-48  
 -100.0 To 9999. %



41 Incident Energy (eV) 20-Ca-48

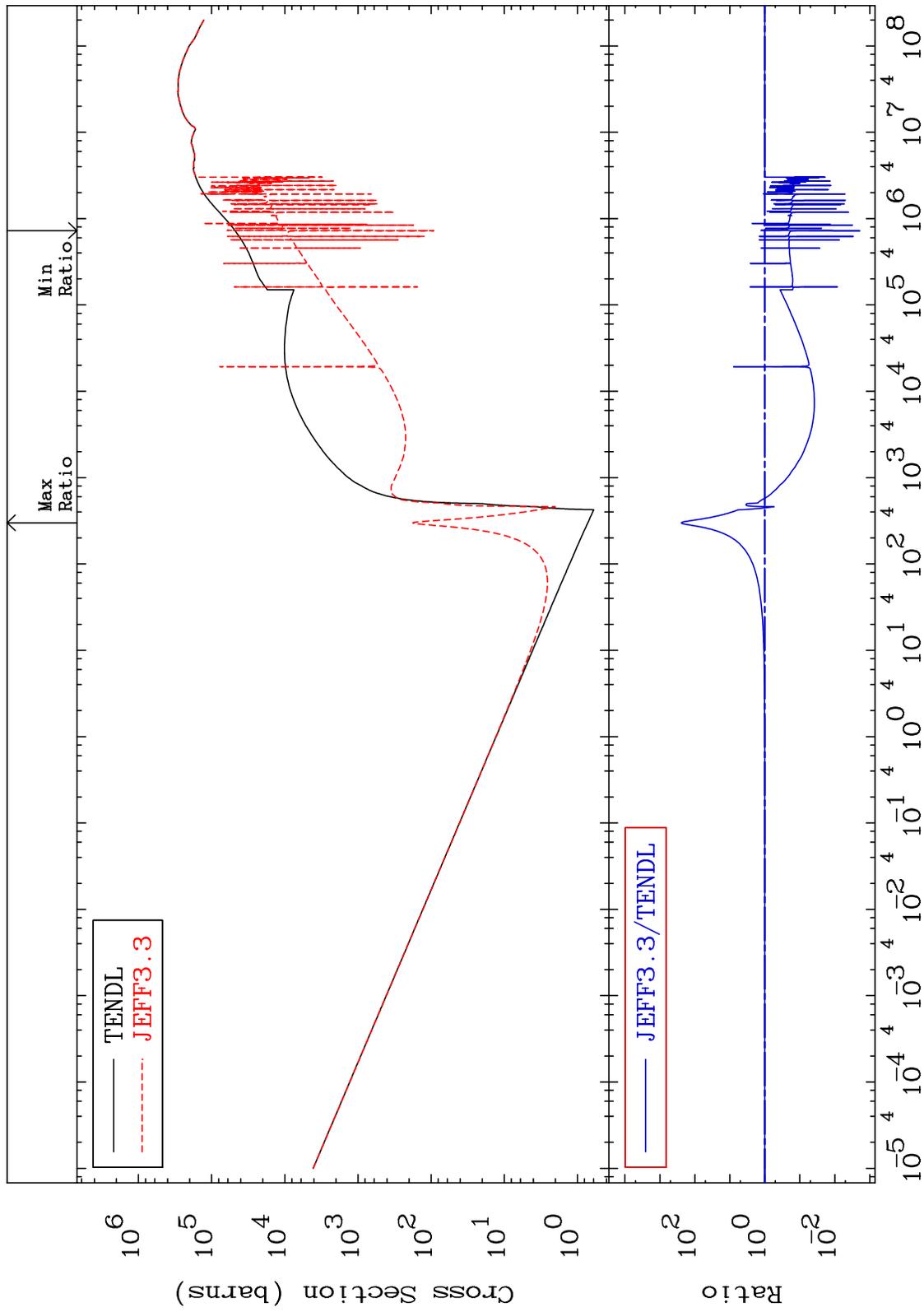
MAT 2049 Total kinematic kerma (high limit) Cross Section -99.81 To 9999. % 20-Ca-48



MAT 2049

Dpa total (eV-barns)  
Cross Section

20-Ca-48  
-99.81 To 9999. %

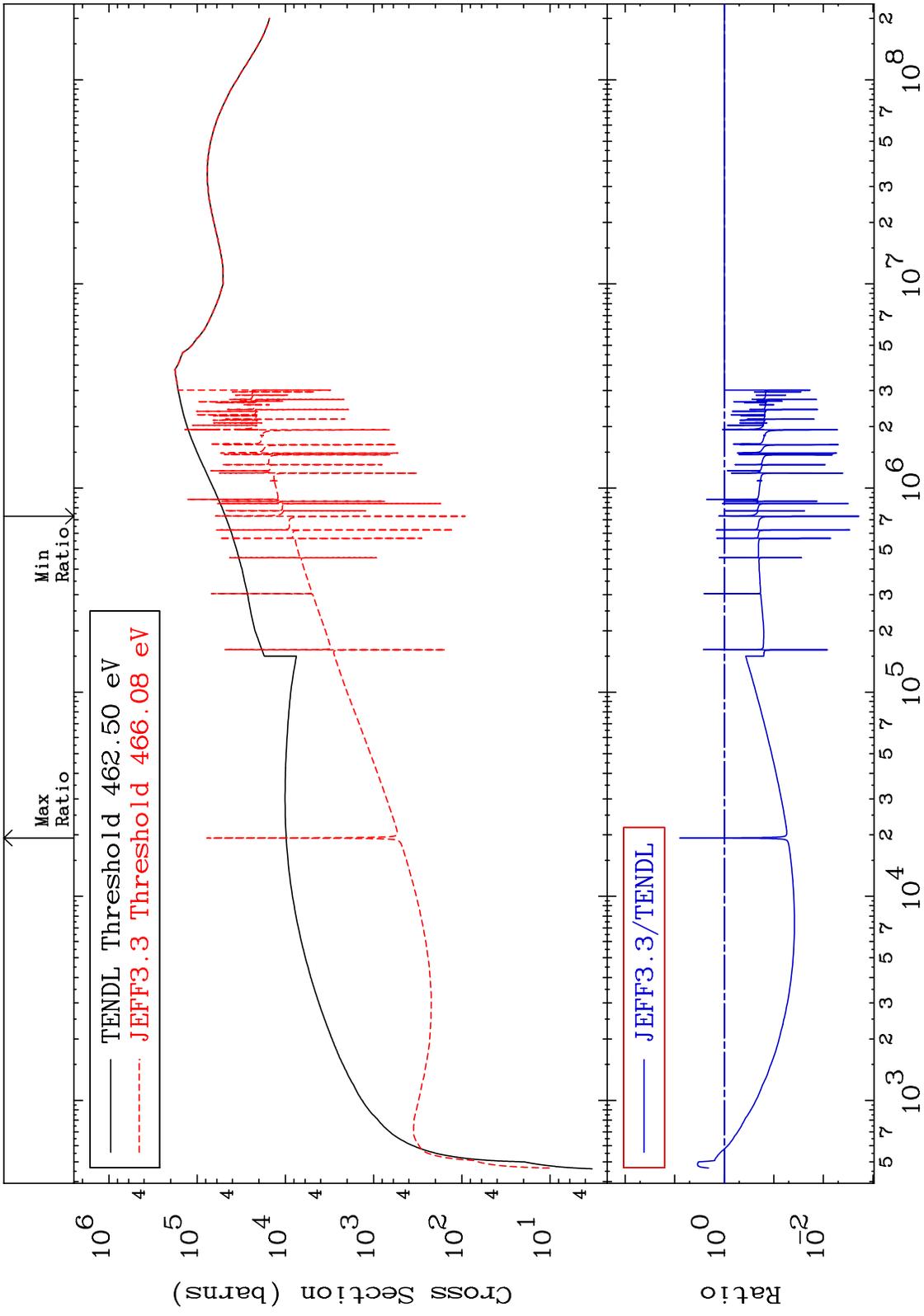


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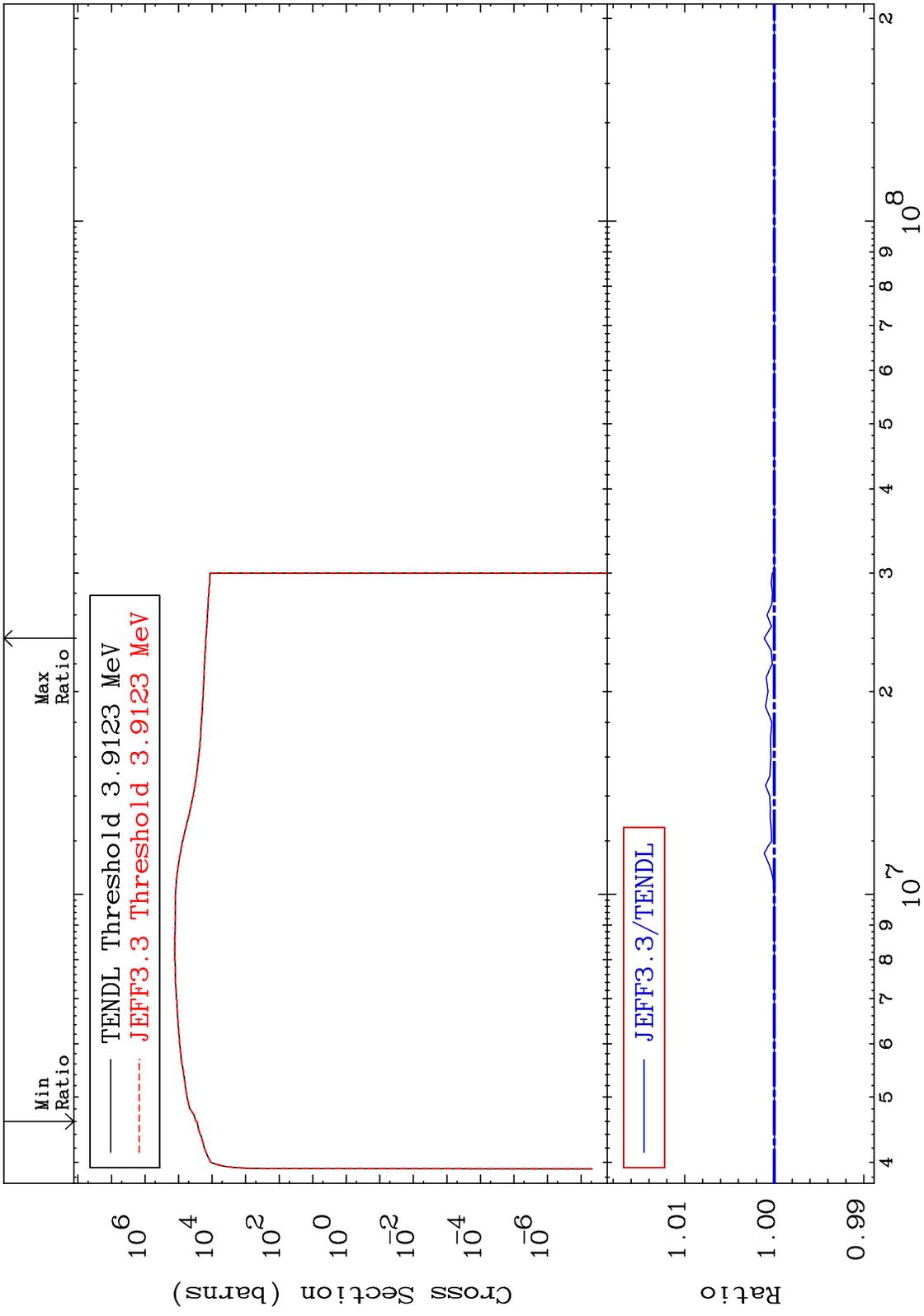
Incident Energy (eV)

20-Ca-48

MAT 2049 20-Ca-48  
 Dpa elastic (mt2) -99.81 To 691.4 %  
 Cross Section



MAT 2049 Dpa inelastic (mt51-91) 20-Ca-48  
Cross Section -0.002 To 0.113 %

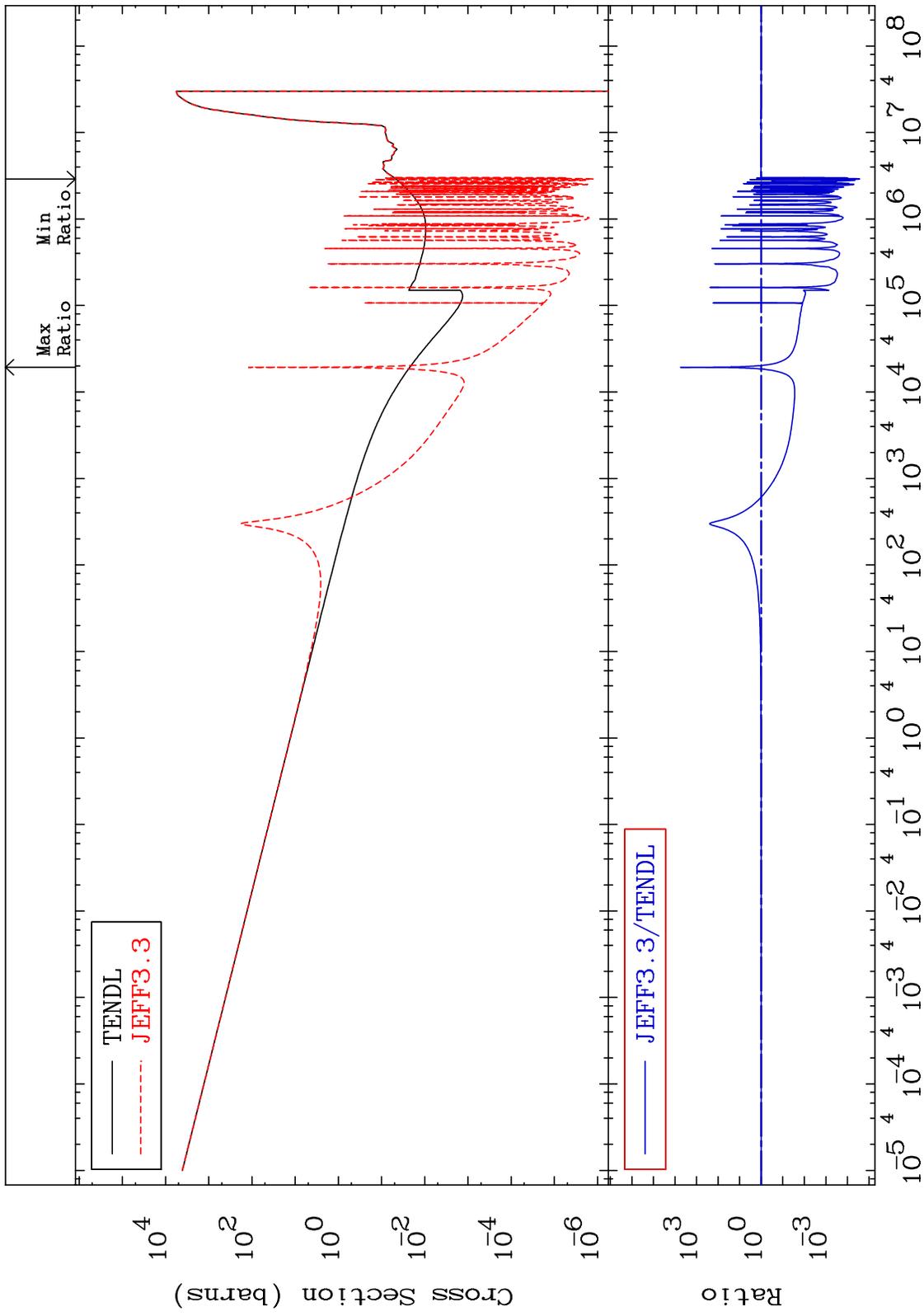


45 20-Ca-48

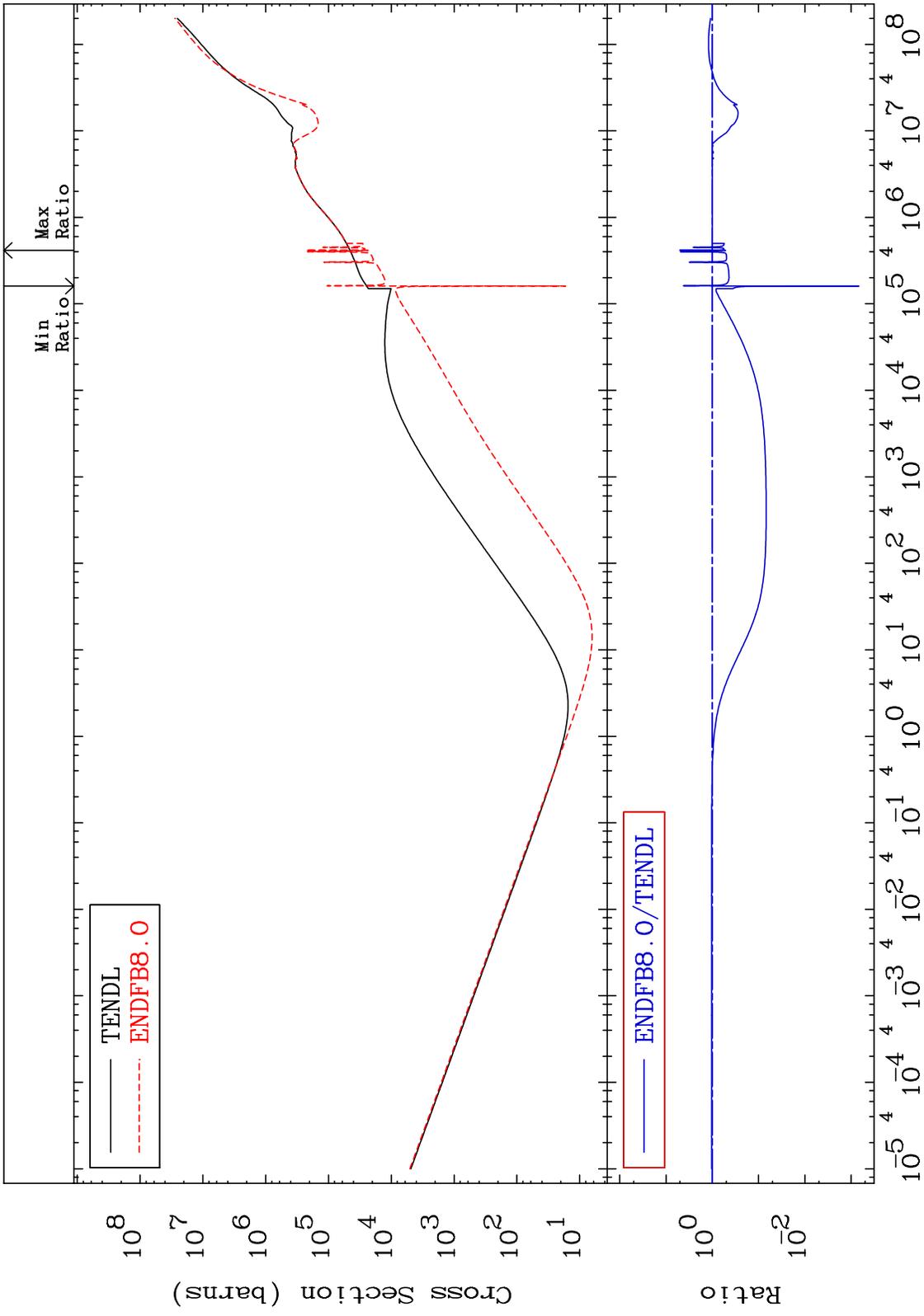
MAT 2049

Dpa disappearance (mt102 -120)  
Cross Section

20-Ca-48  
-100.0 To 9999. %



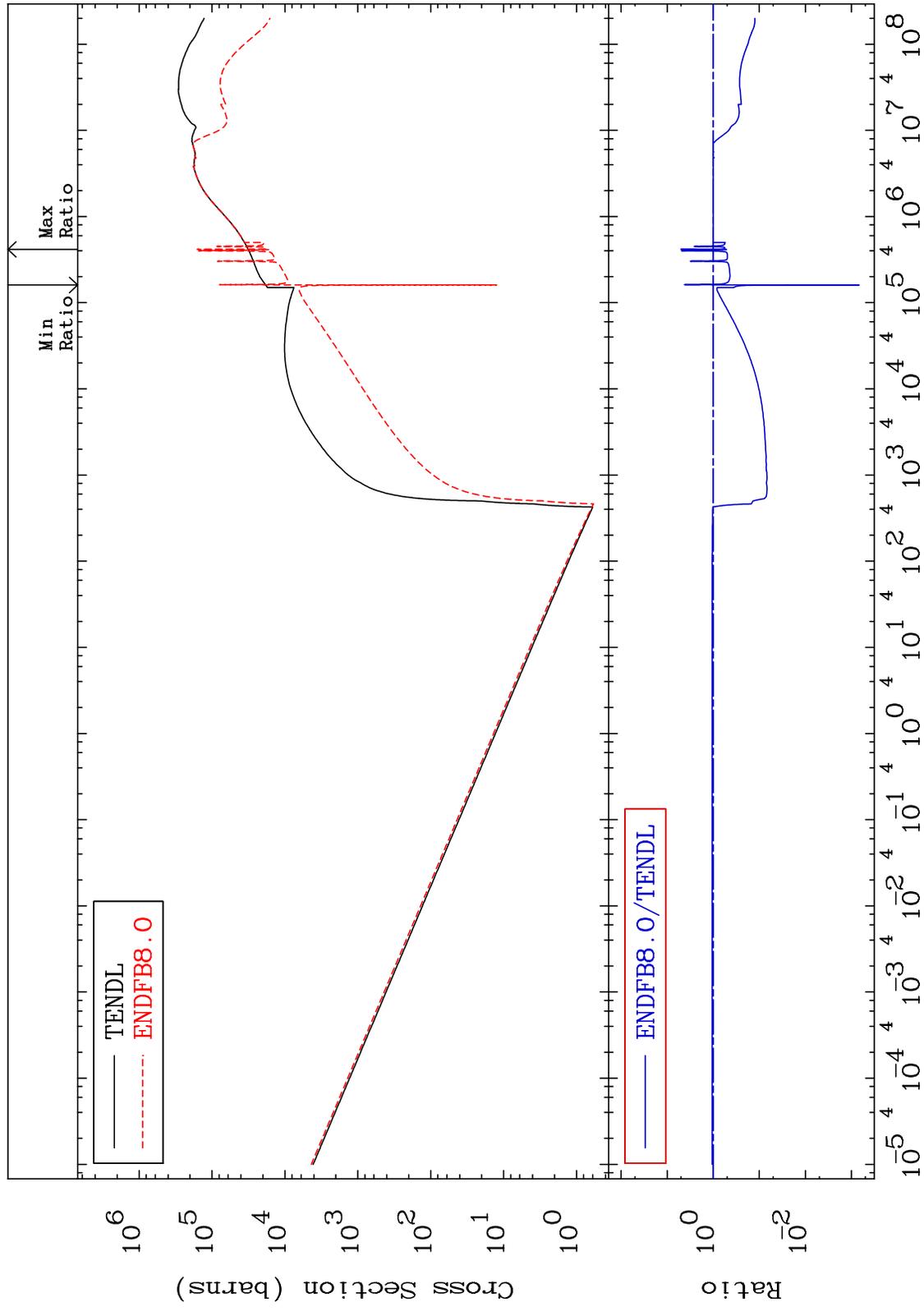
MAT 2049 Total kinematic kerma (high limit) Cross Section 20-Ca-48  
 -99.93 To 404.9 %



MAT 2049

Dpa total (eV-barns)  
Cross Section

20-Ca-48  
-99.93 To 404.8 %



48

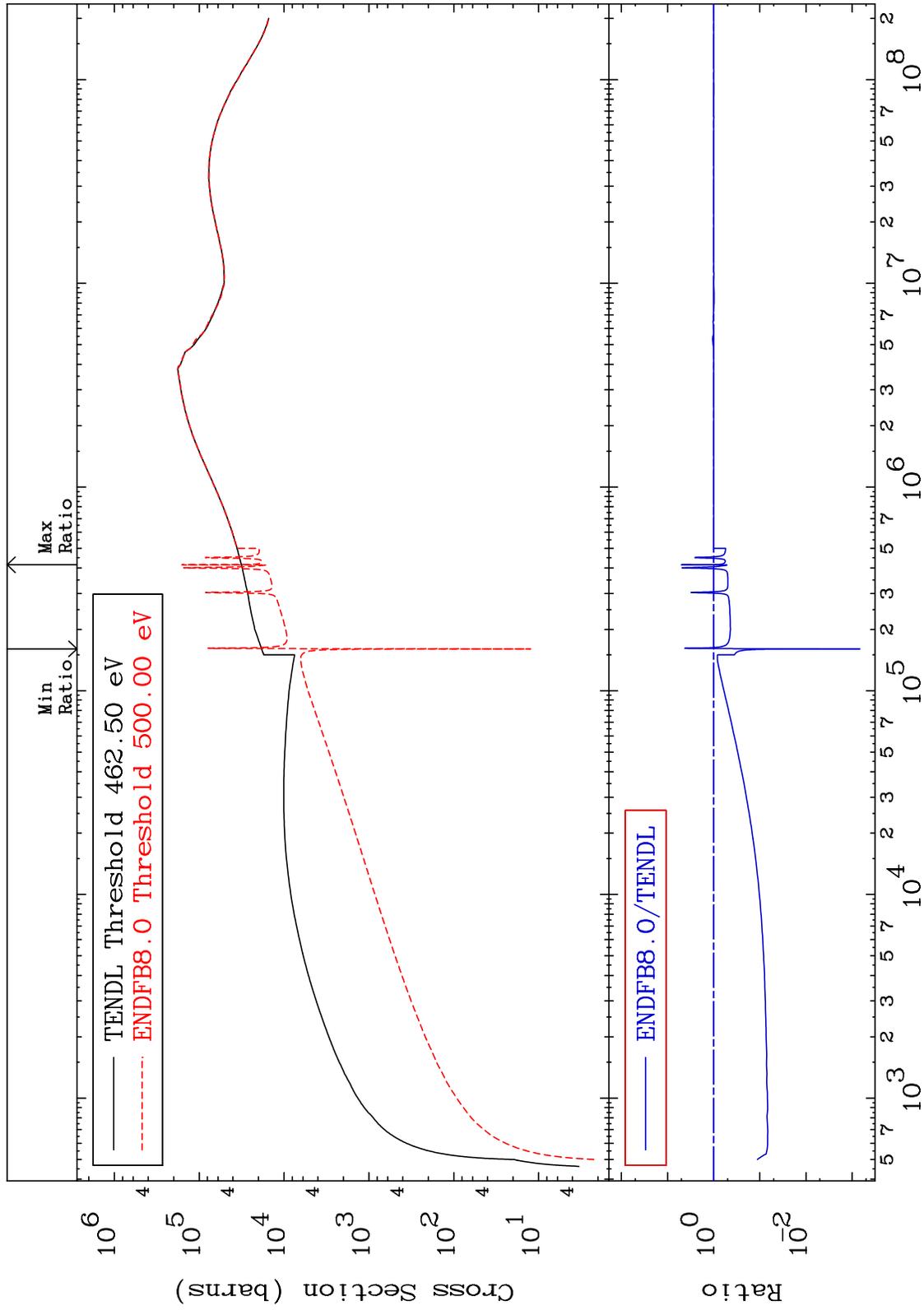
Incident Energy (eV)

20-Ca-48

MAT 2049

Dpa elastic (mt2)  
Cross Section

20-Ca-48  
-99.93 To 404.8 %

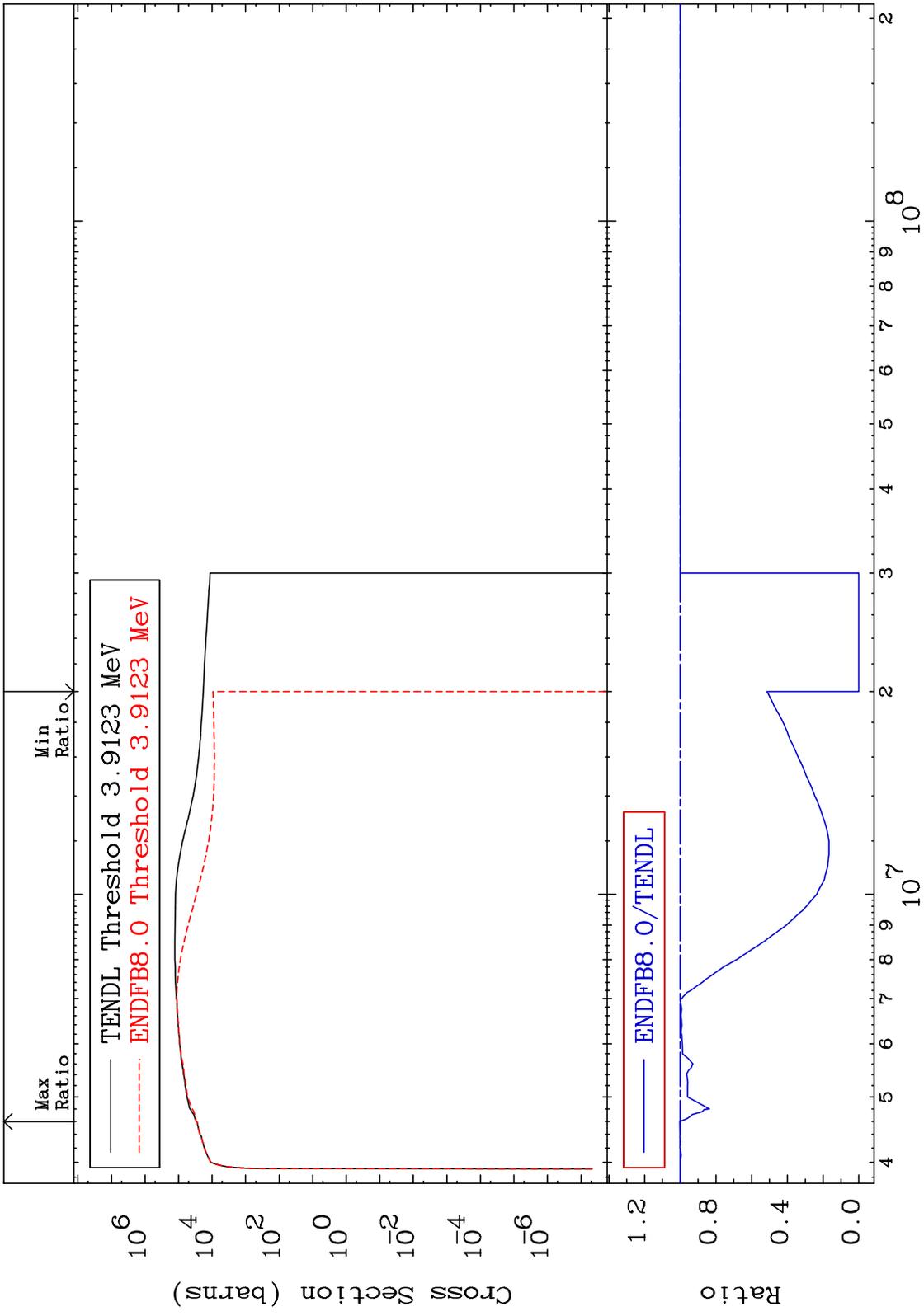


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Incident Energy (eV)

20-Ca-48

MAT 2049      Dpa inelastic (mt51-91)      20-Ca-48  
 Cross Section      -100.0 To 0.298 %



MAT 2049      Dpa disappearance (mt102 -120)      20-Ca-48  
 Cross Section      -100.0 To 9999. %

