

Program Complot  
(Version 2018-1)

by

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(Present Contact Information)

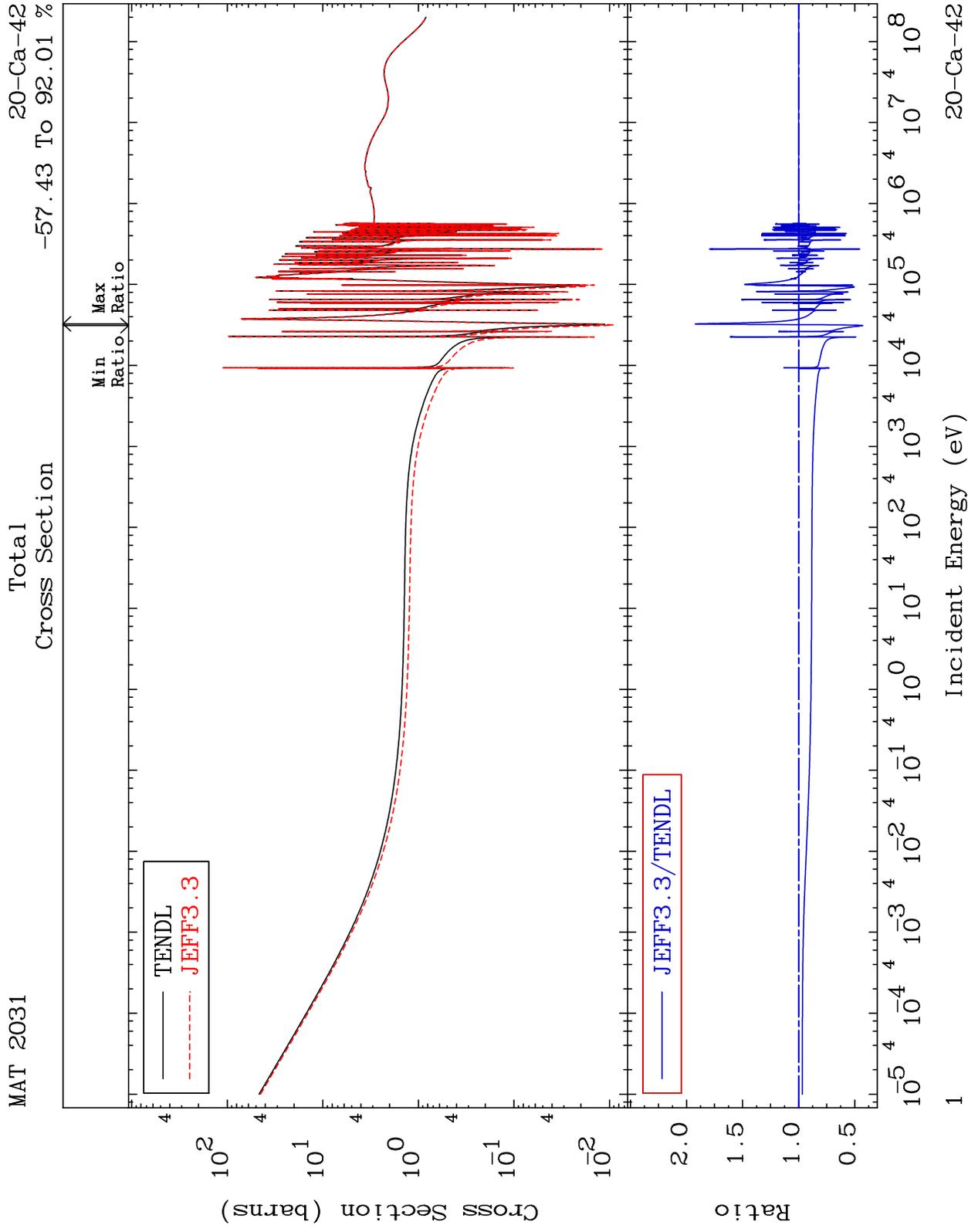
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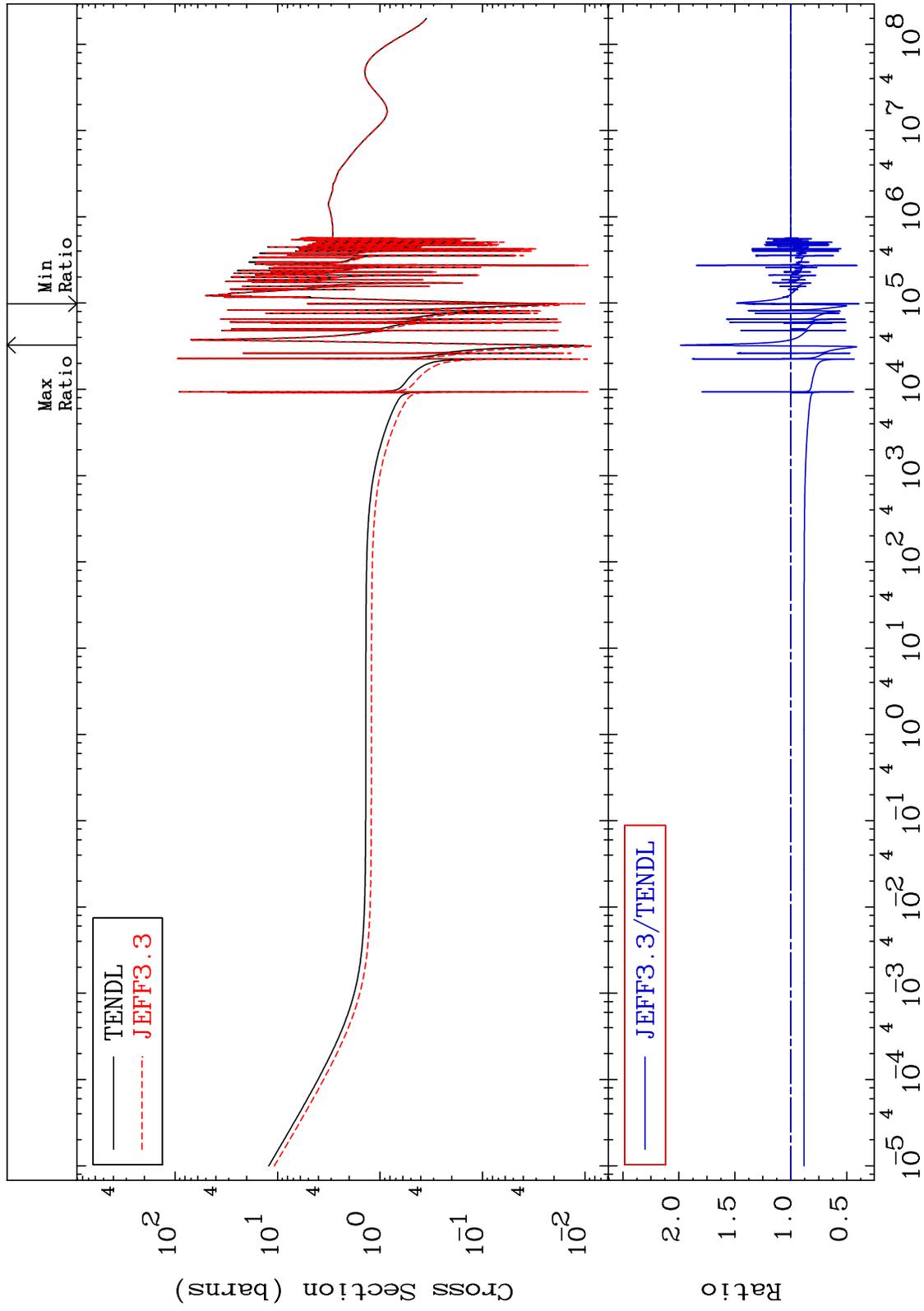
Press Mouse Button to Start



MAT 2031

Elastic  
Cross Section

20-Ca-42  
-61.01 To 98.46 %



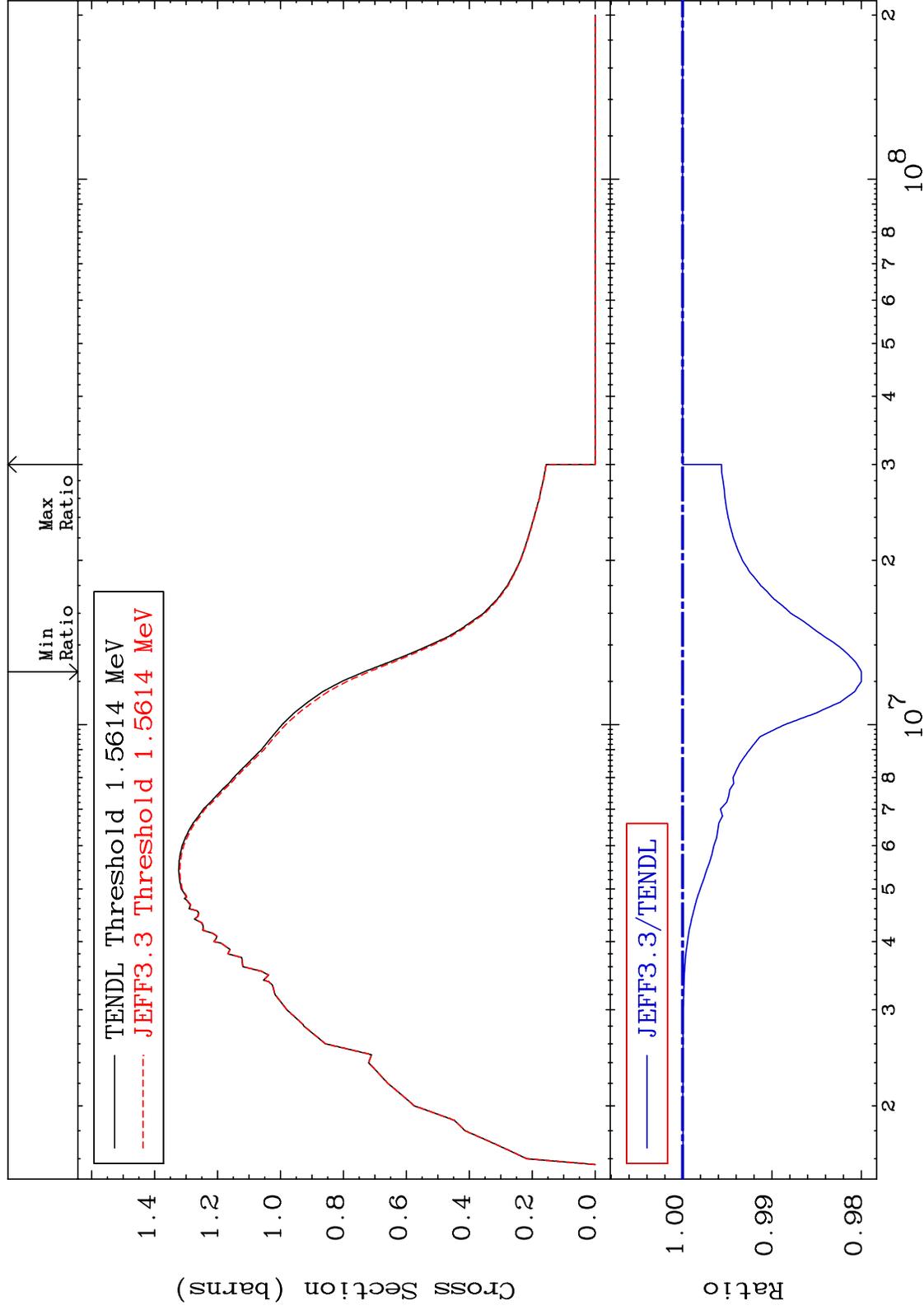
2

Incident Energy (eV)

20-Ca-42

MAT 2031

Inelastic Cross Section  
20-Ca-42  
-2.002 To 0.000 %

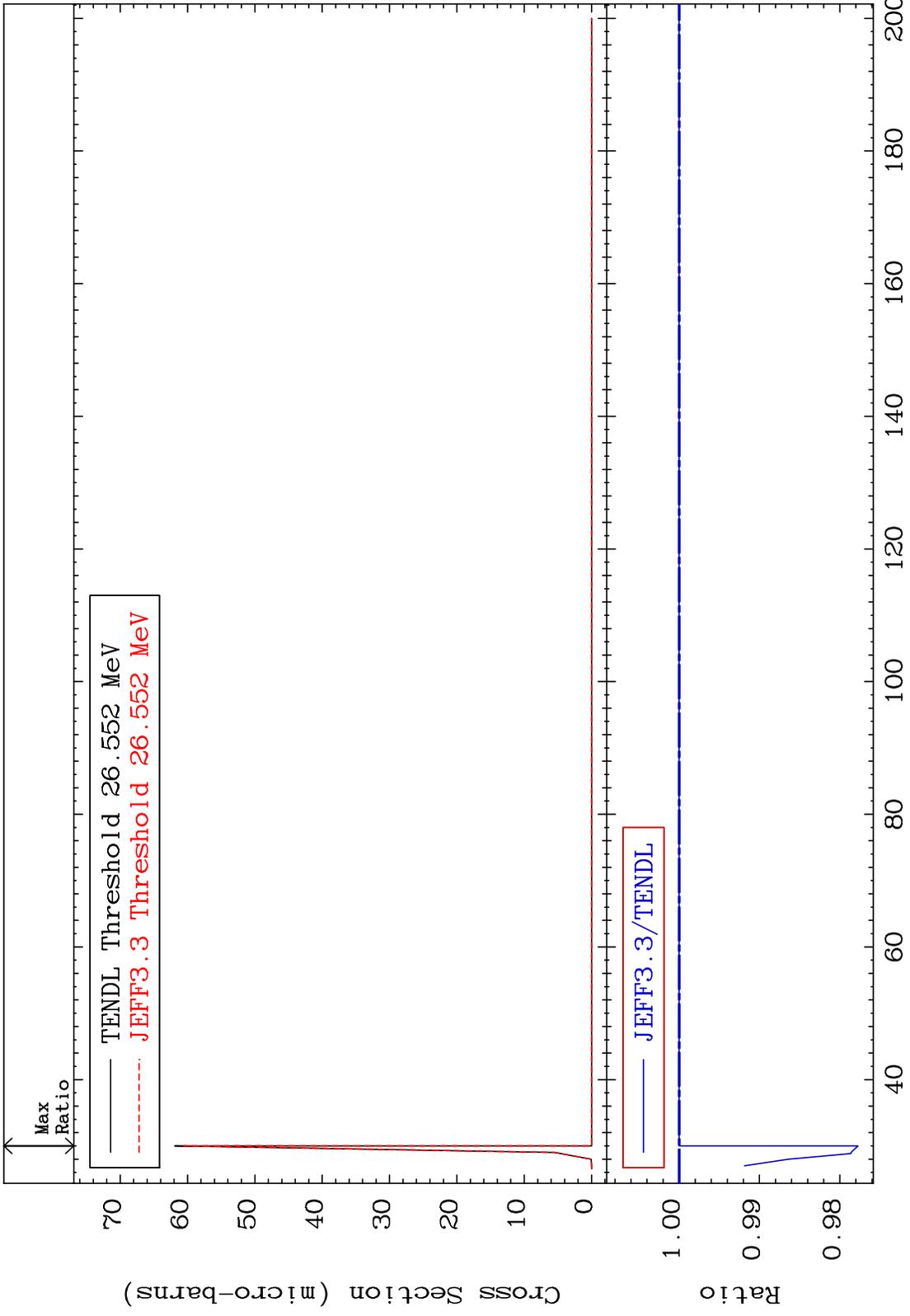


3

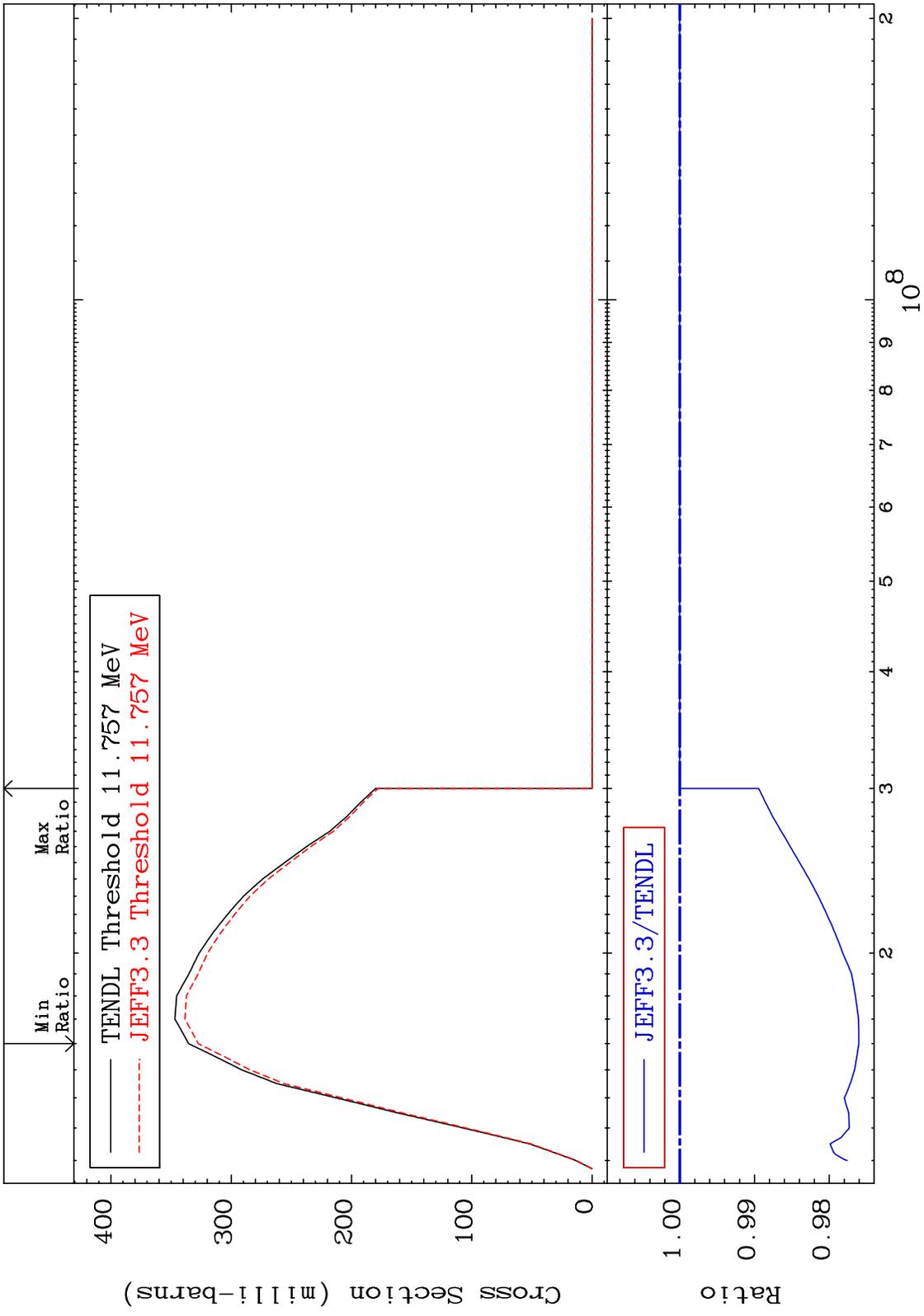
Incident Energy (eV)

20-Ca-42

MAT 2031 (n,2n) d 20-Ca-42  
Cross Section -2.228 To 0.000 %

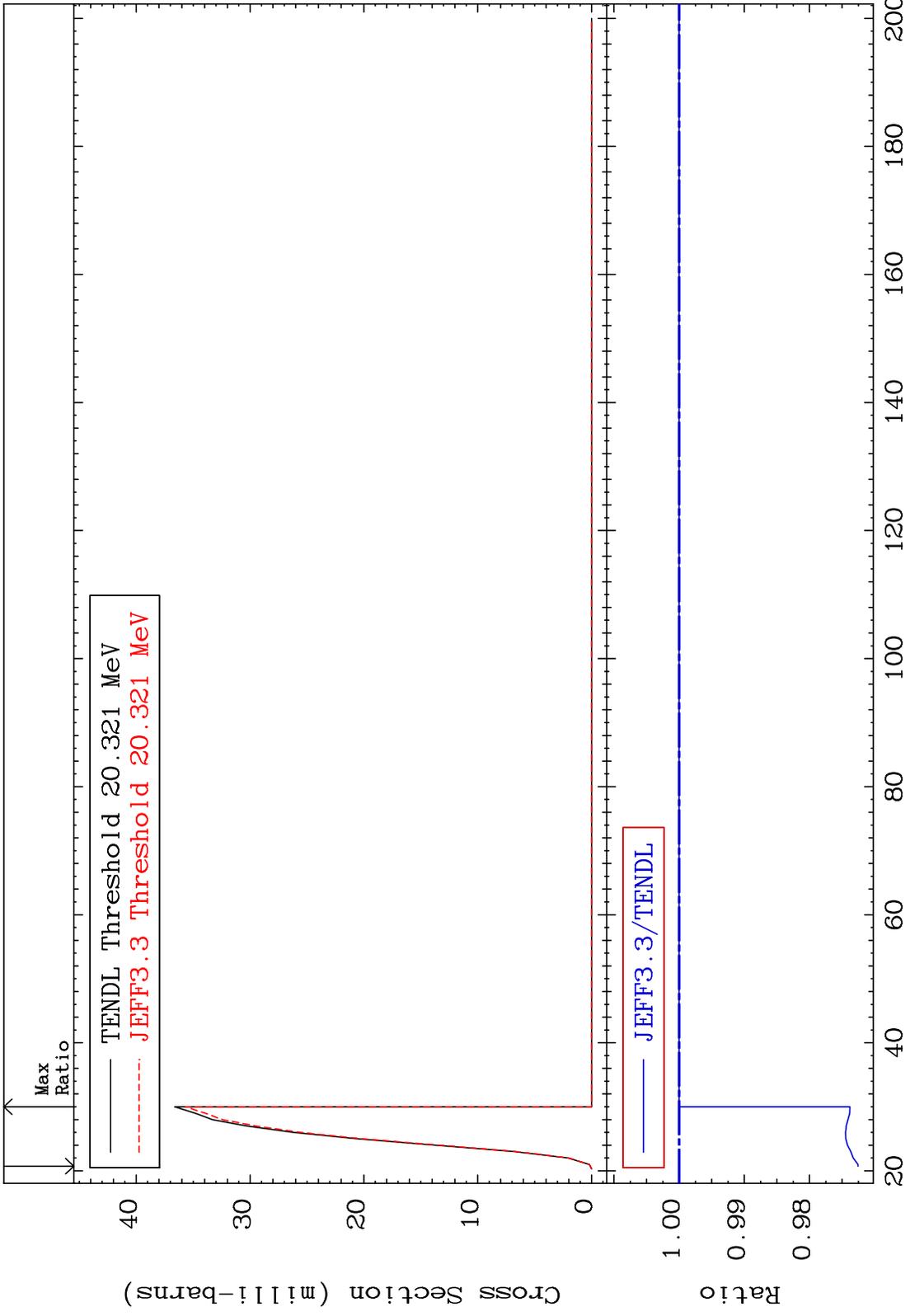


MAT 2031 (n,2n) Cross Section 20-Ca-42 -2.395 To 0.000 %



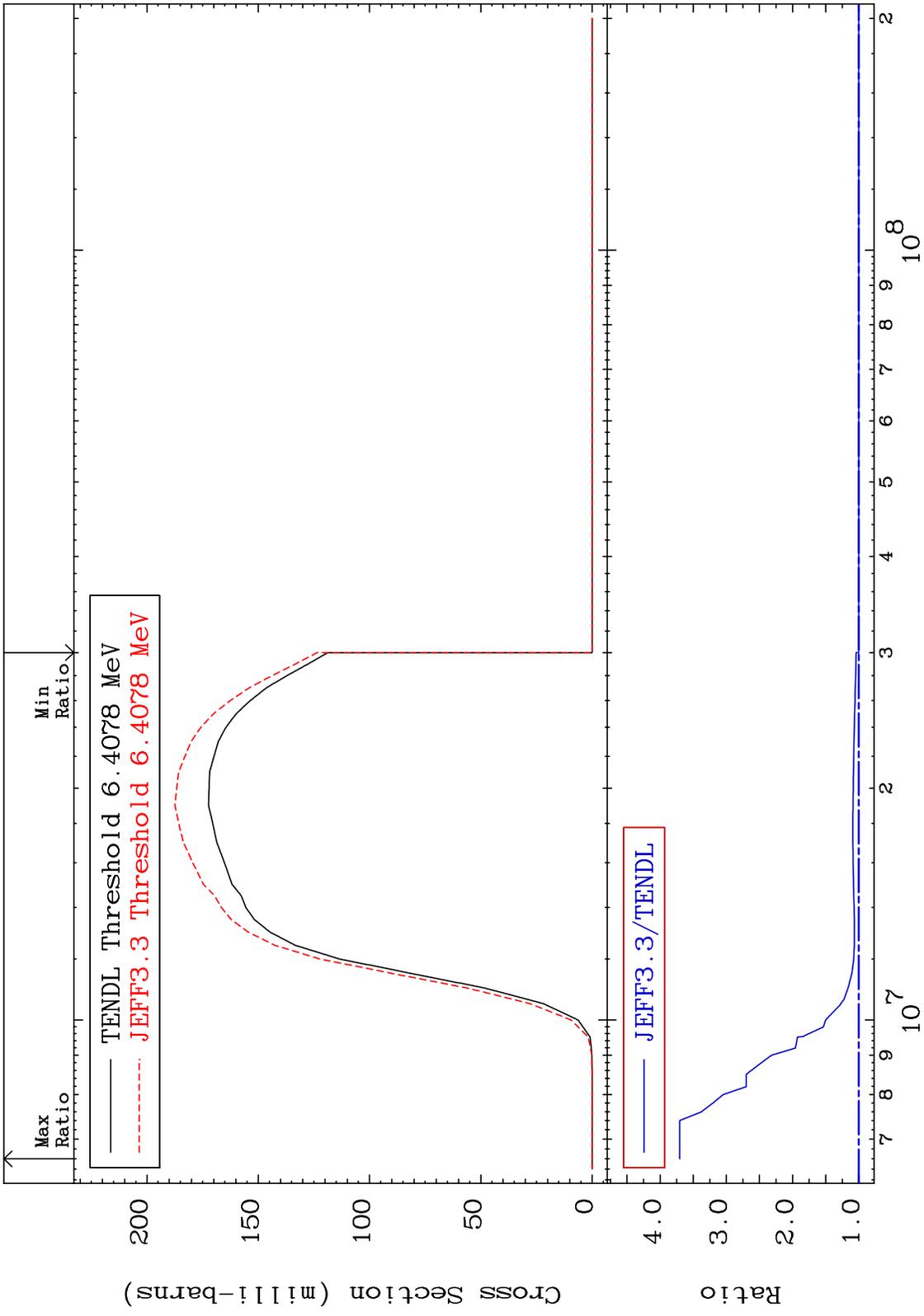
5 Incident Energy (eV) 20-Ca-42

MAT 2031 (n,3n) 20-Ca-42  
Cross Section -2.744 To 0.000 %

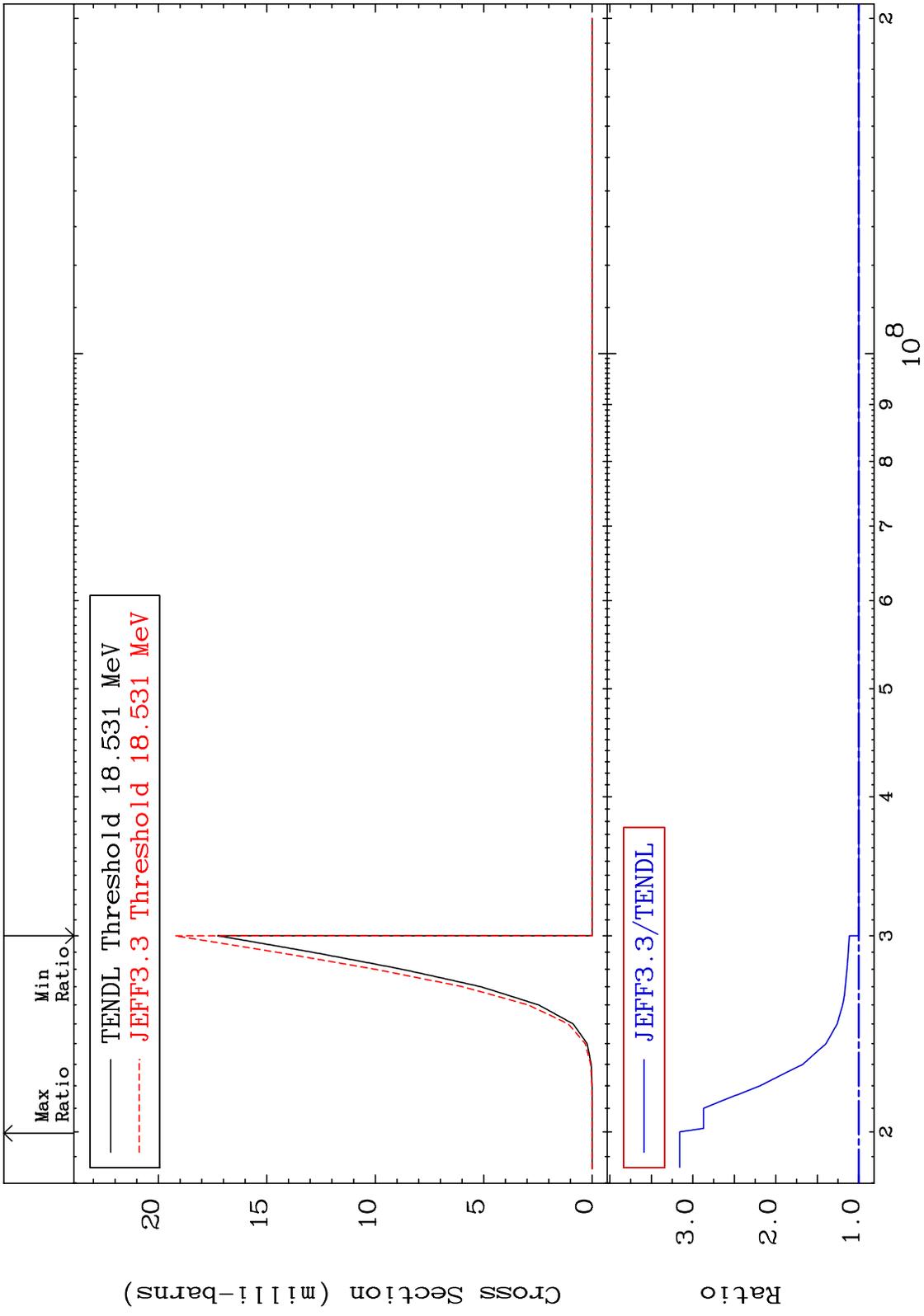


6 Incident Energy (MeV) 20-Ca-42

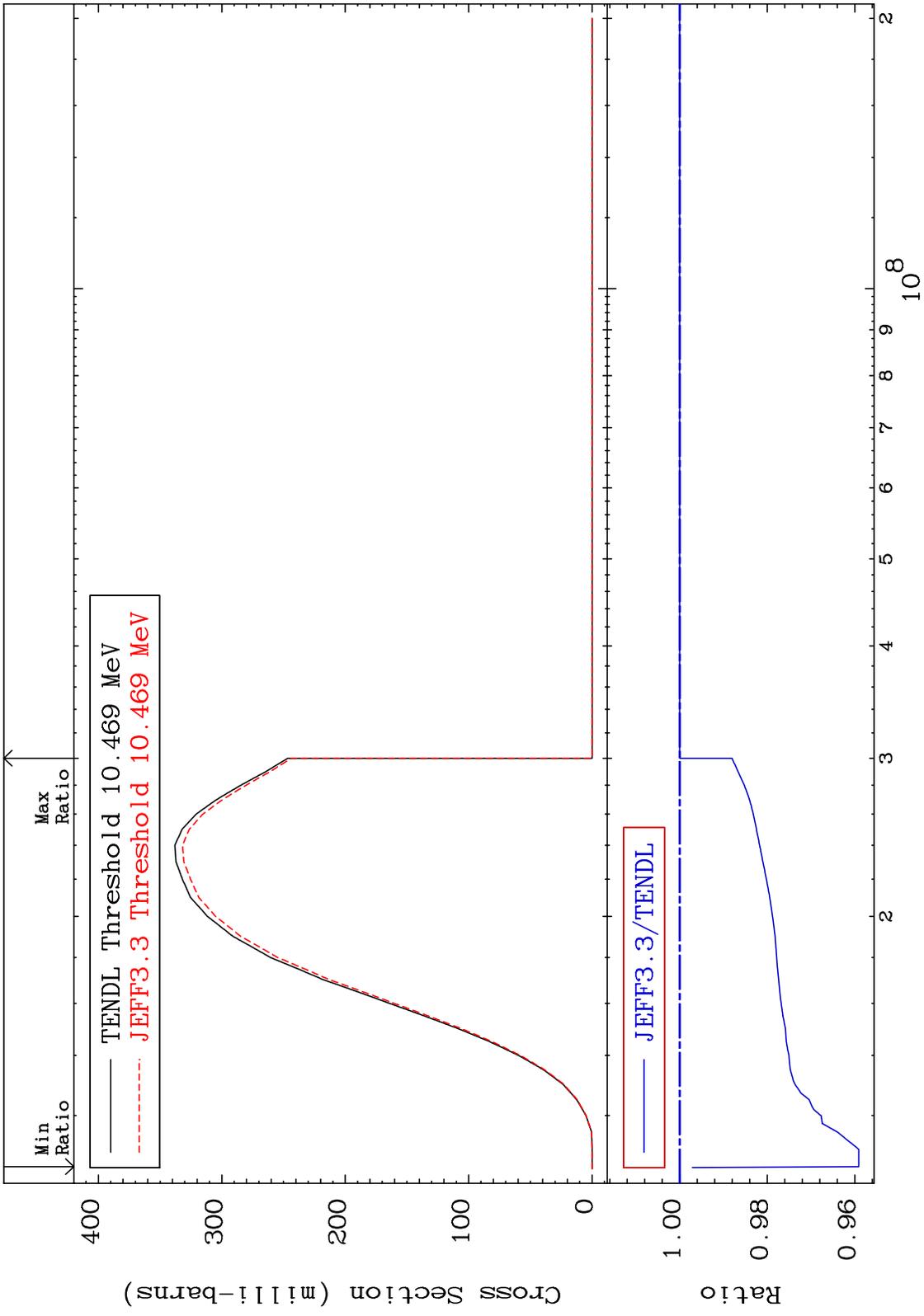
MAT 2031  $(n, n') \alpha$  Cross Section 20-Ca-42 To 270.4 %

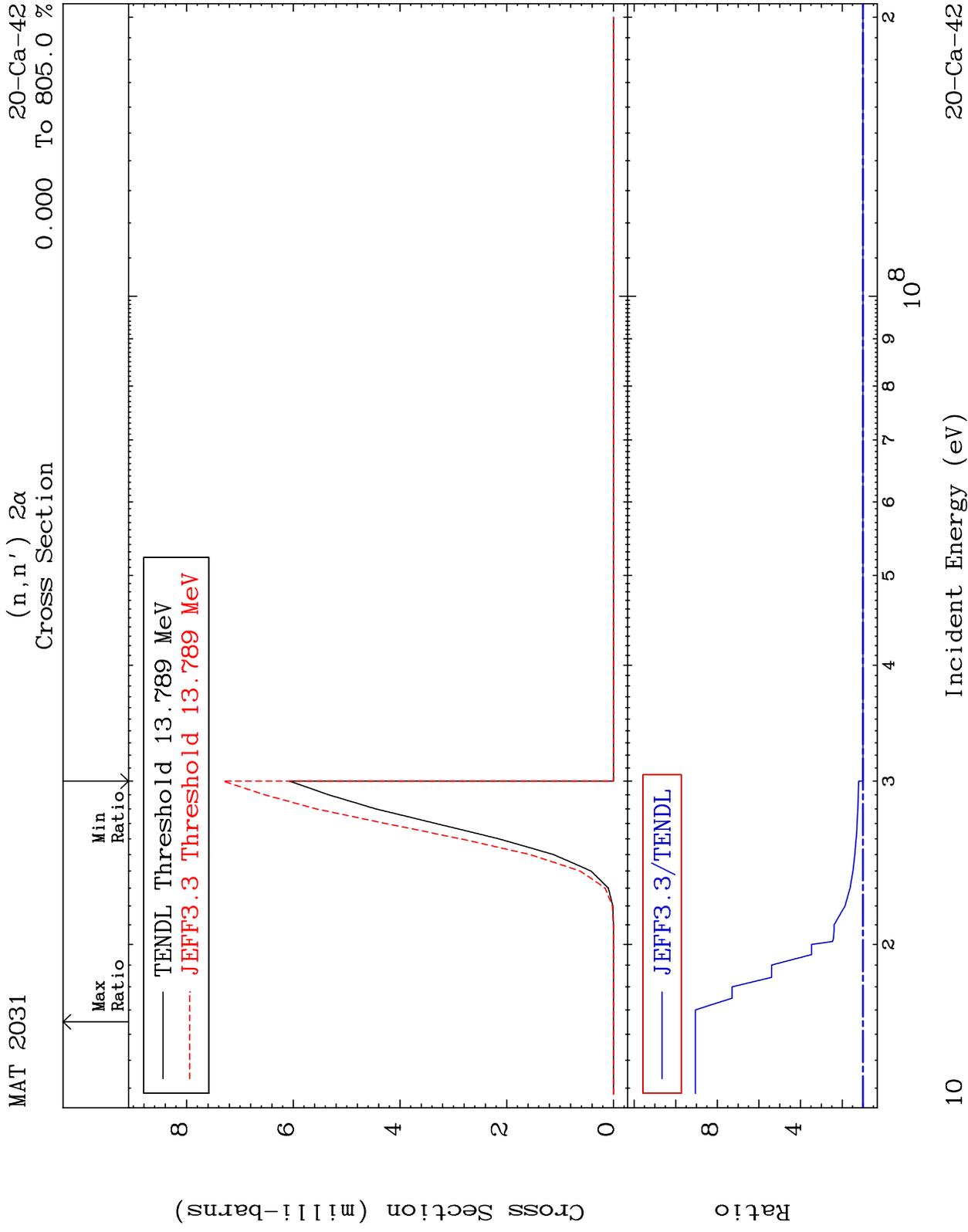


MAT 2031  $(n, 2n) \alpha$  20-Ca-42  
 Cross Section 0.000 To 215.9 %

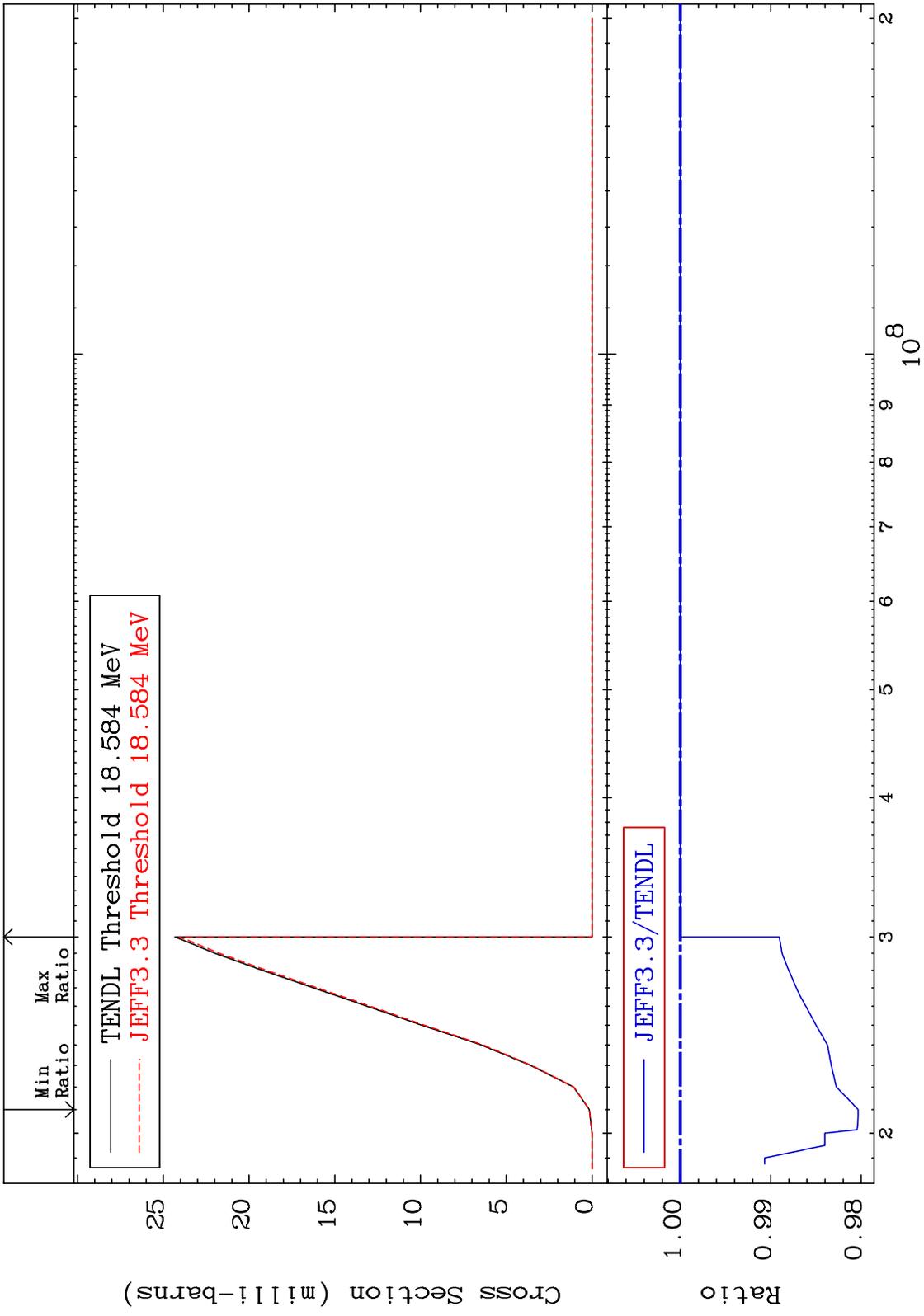


MAT 2031 (n,n') p 20-Ca-42  
 Cross Section -4.092 To 0.000 %

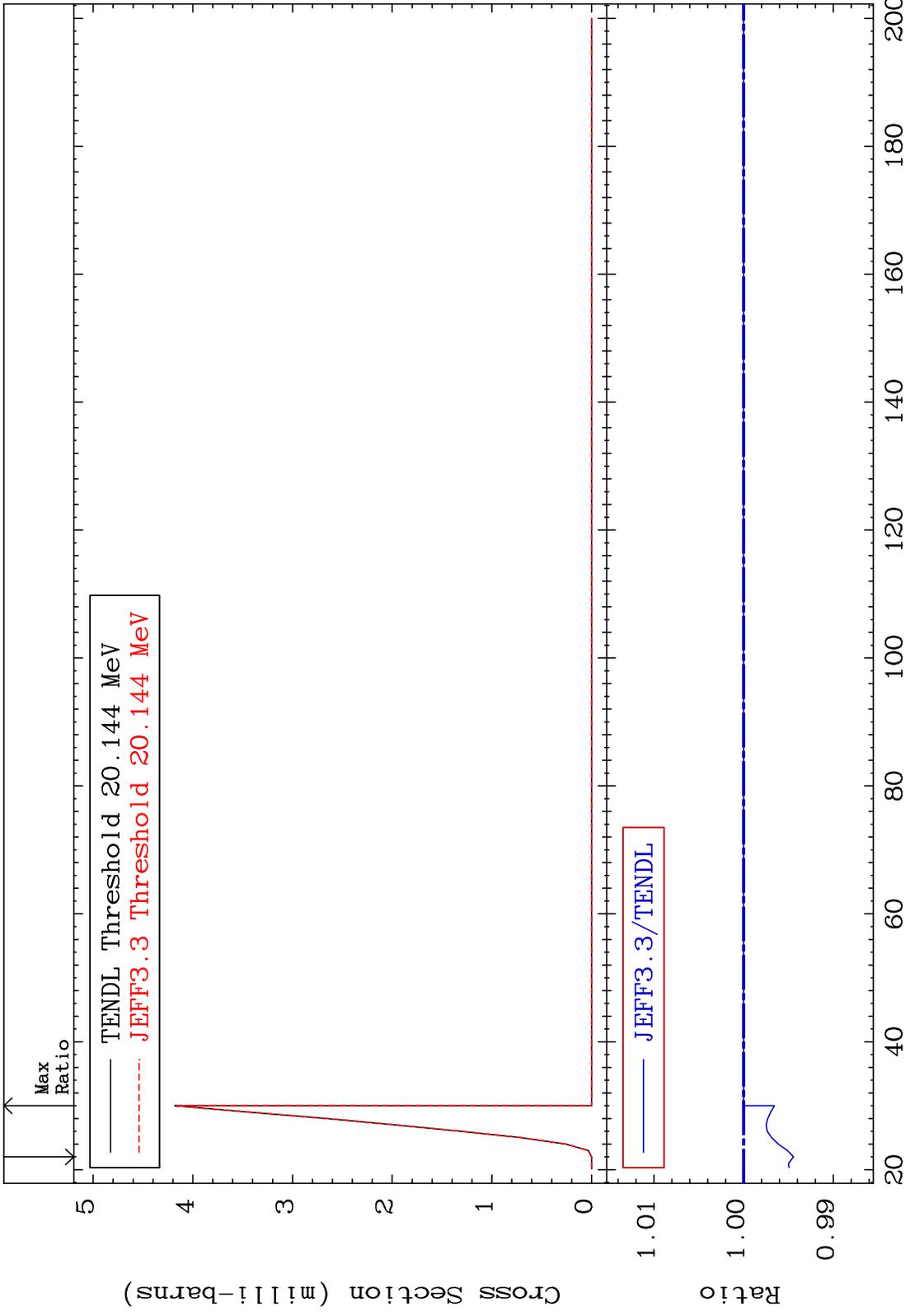




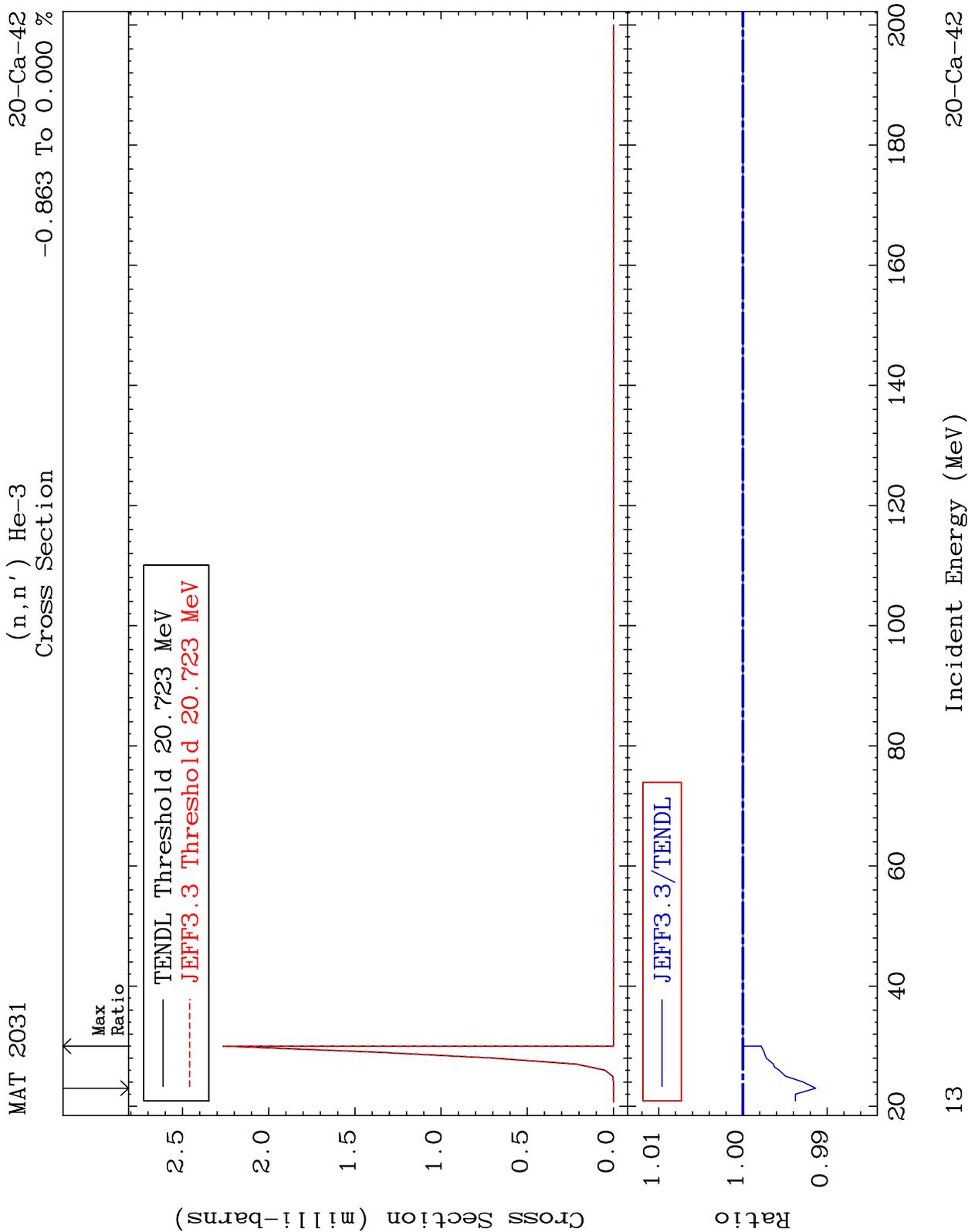
MAT 2031 (n,n') d 20-Ca-42  
 Cross Section -1.966 To 0.000 %



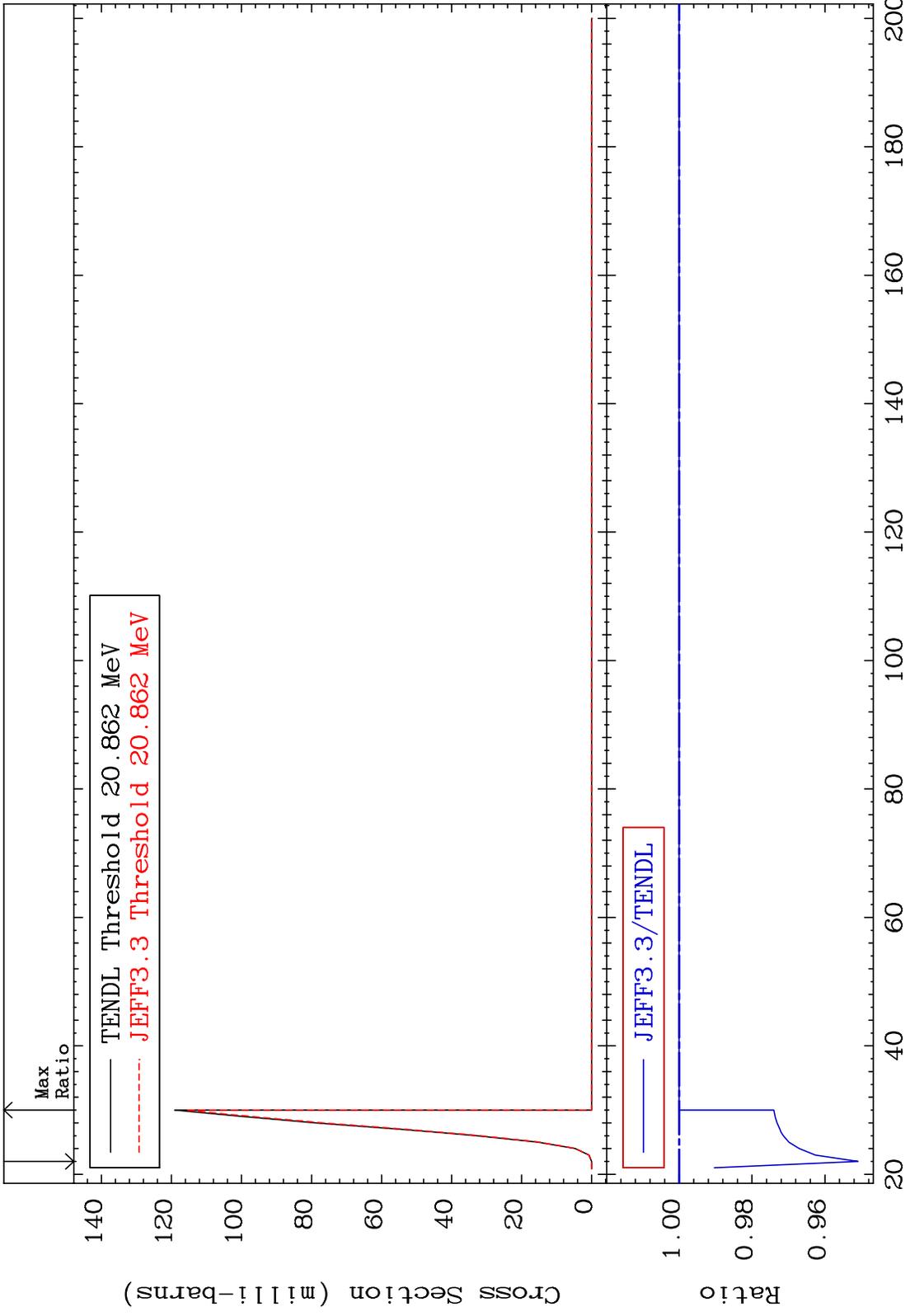
MAT 2031 (n,n') t 20-Ca-42  
 Cross Section -0.557 To 0.000 %



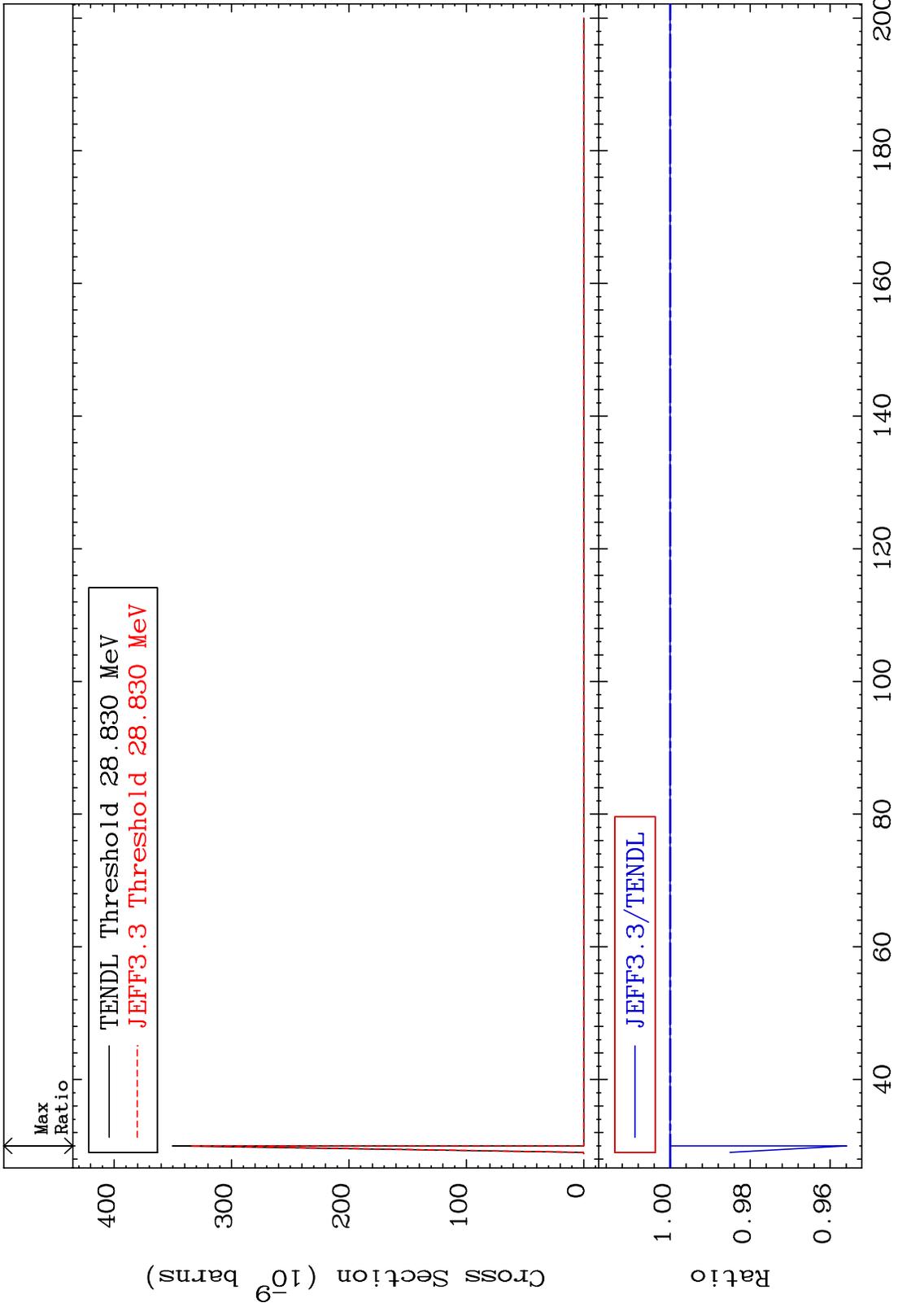
12 Incident Energy (MeV) 20-Ca-42



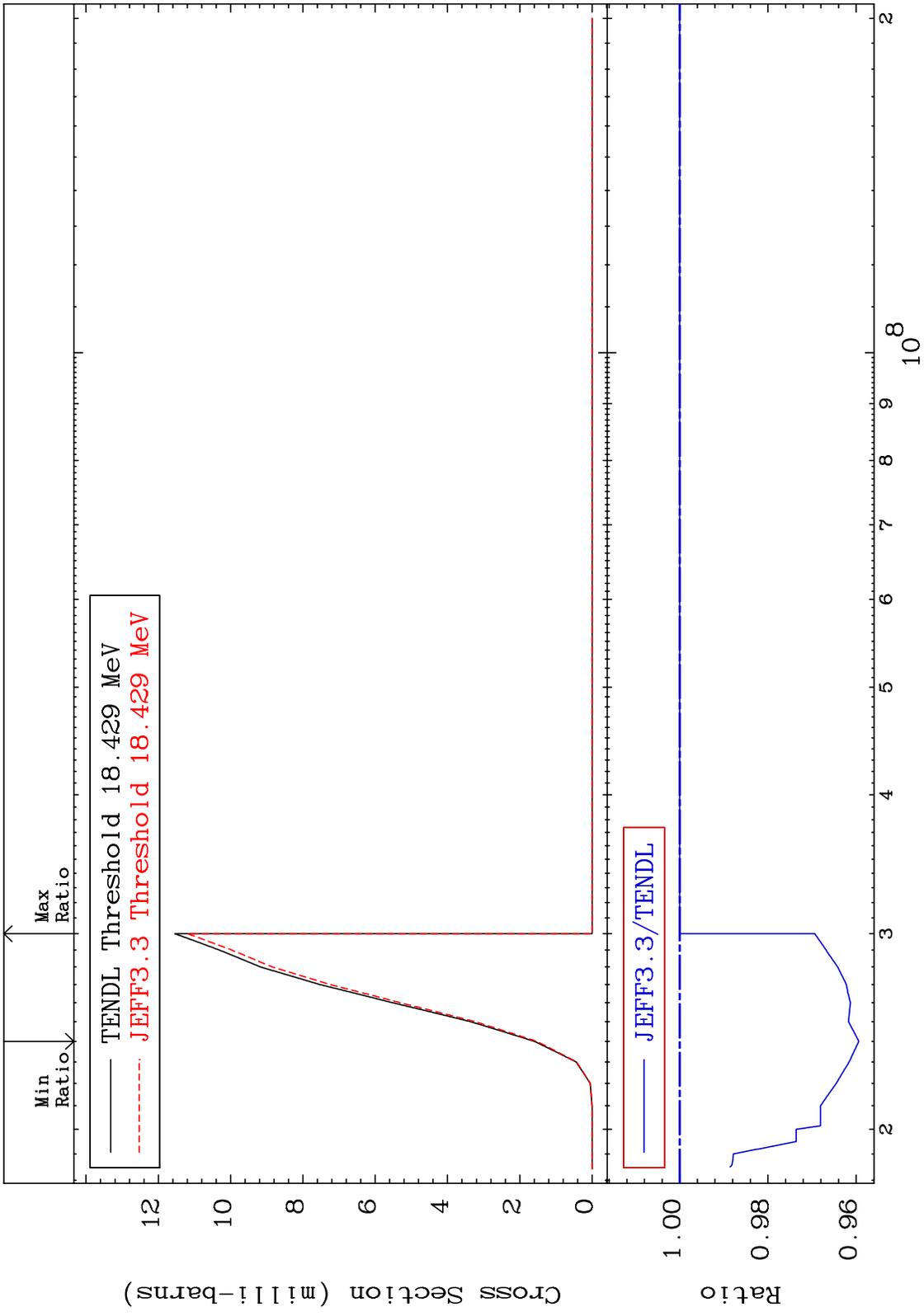
MAT 2031 (n,2n) p 20-Ca-42  
 Cross Section -4.910 To 0.000 %



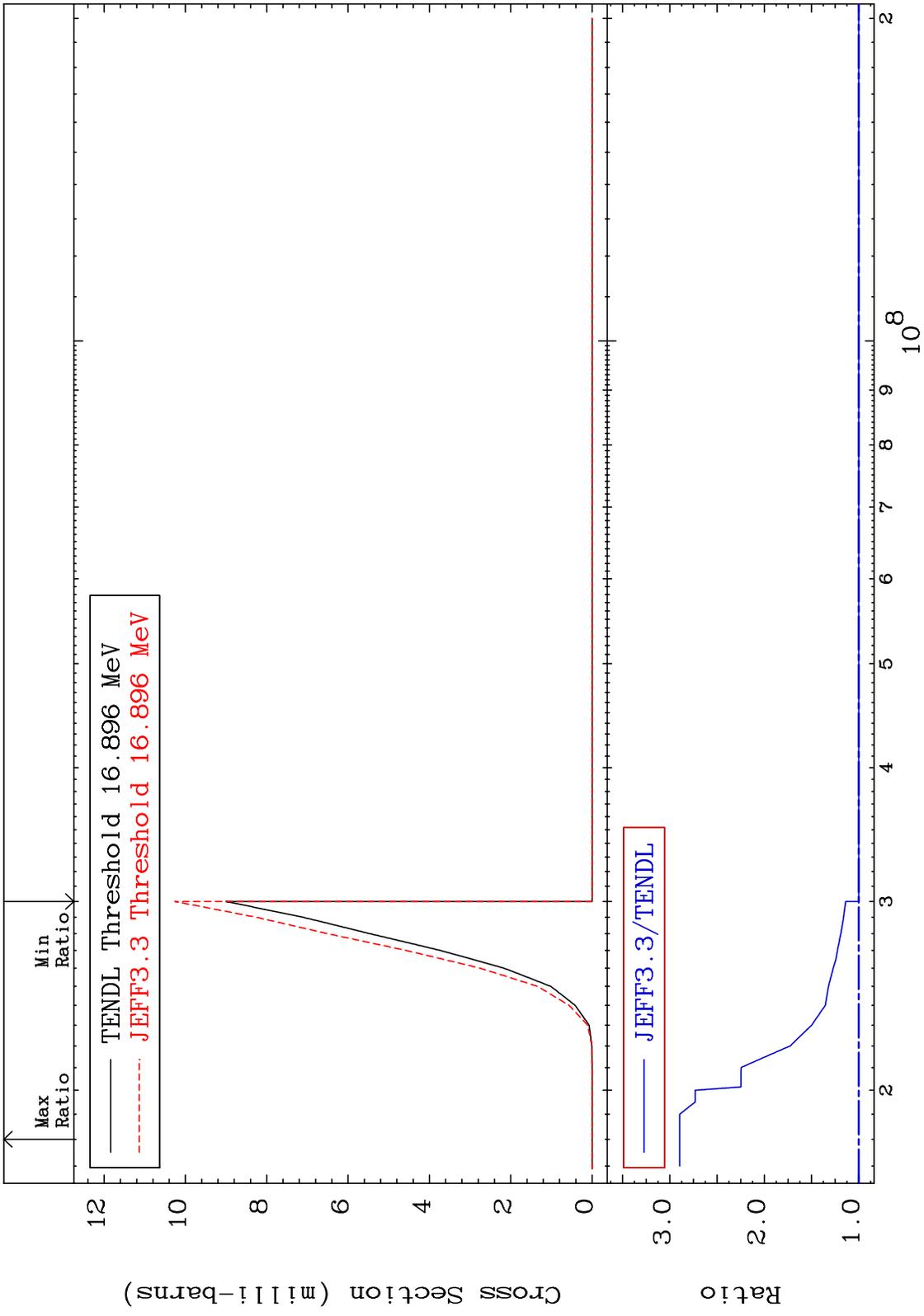
MAT 2031 (n,3n) p 20-Ca-42  
 Cross Section -4.414 To 0.000 %



MAT 2031 (n,2n) p 20-Ca-42  
 Cross Section -4.060 To 0.000 %



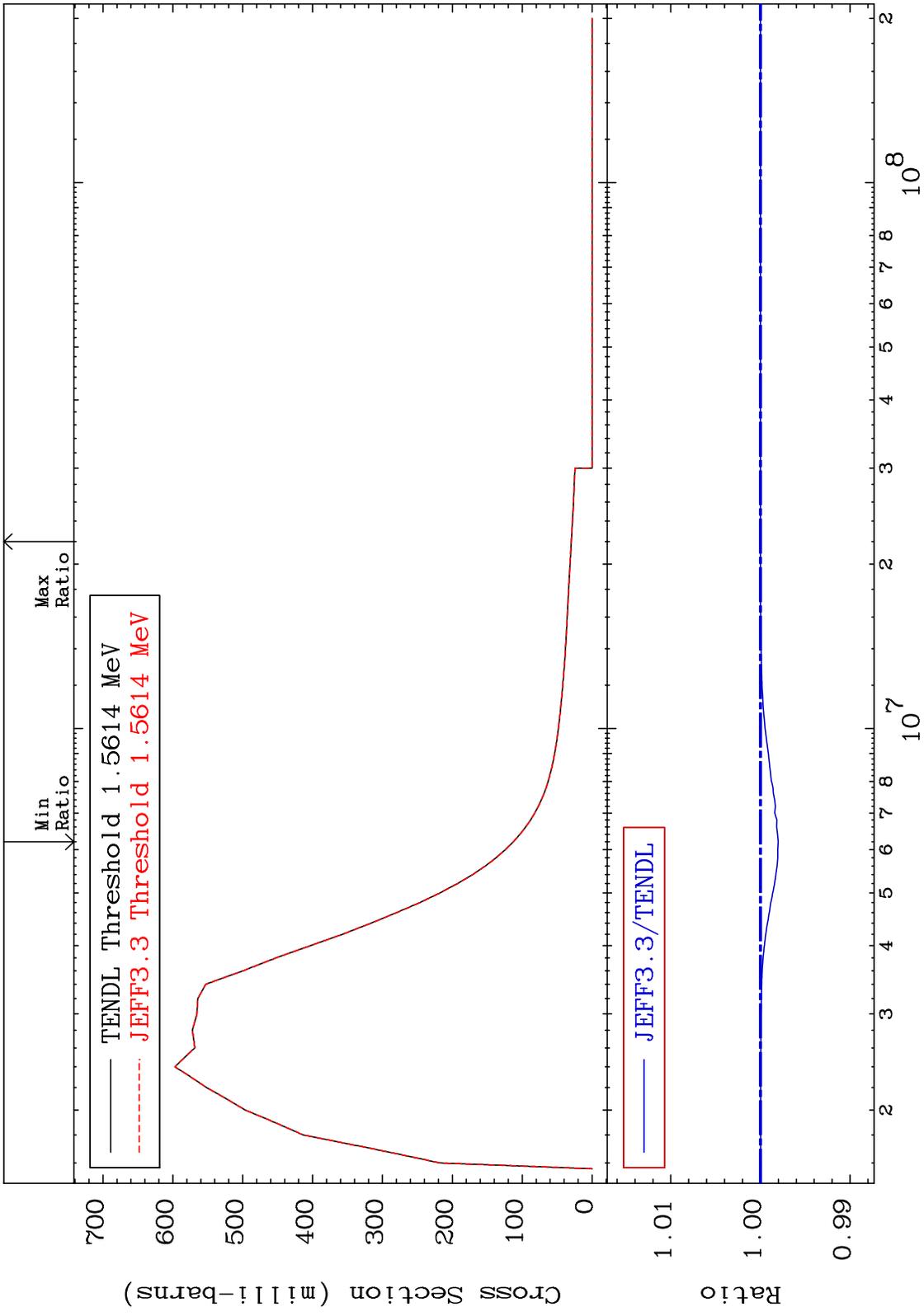
MAT 2031 (n,n') p α 20-Ca-42  
 Cross Section 0.000 To 189.5 %



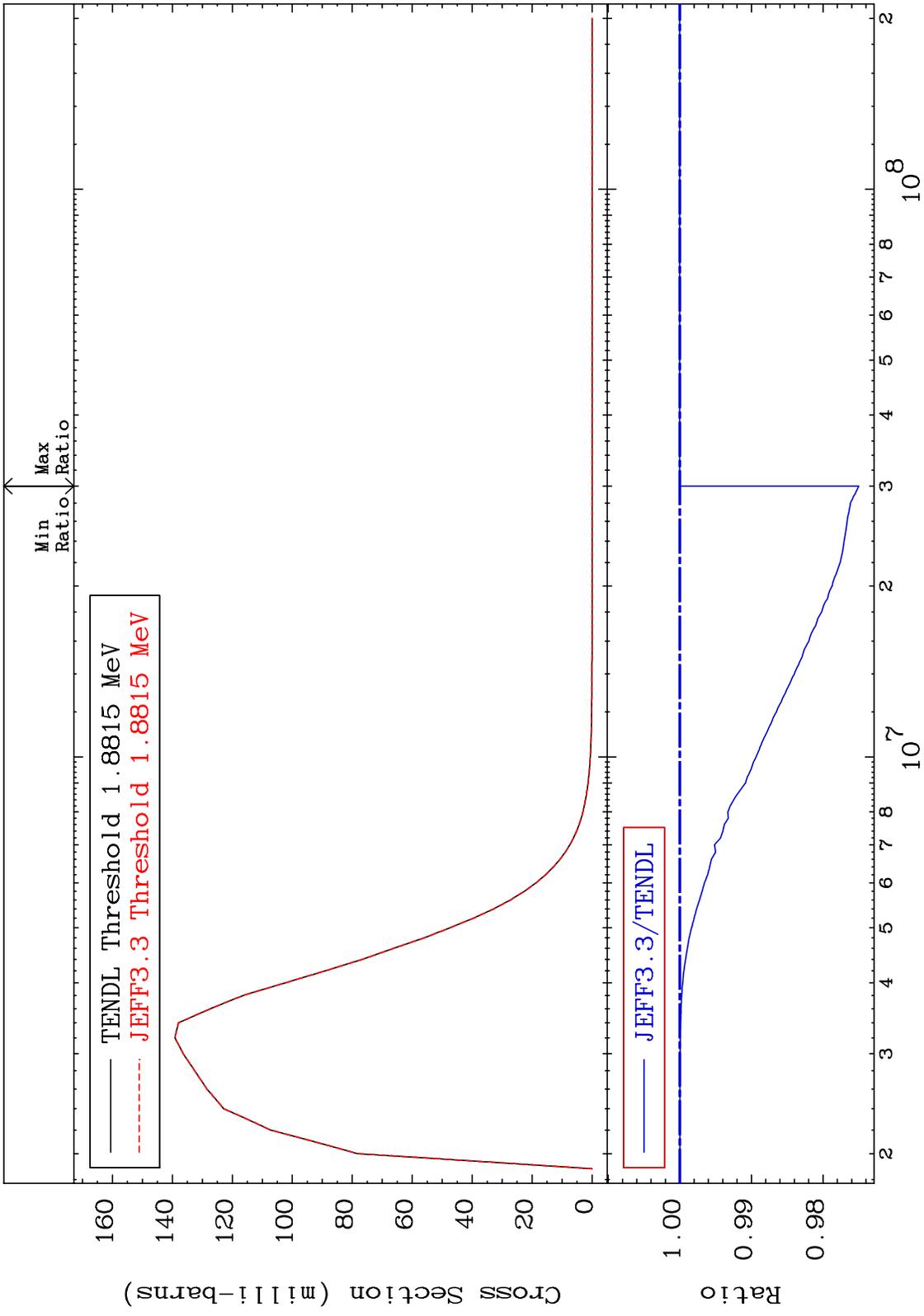
20-Ca-42

Incident Energy (eV)

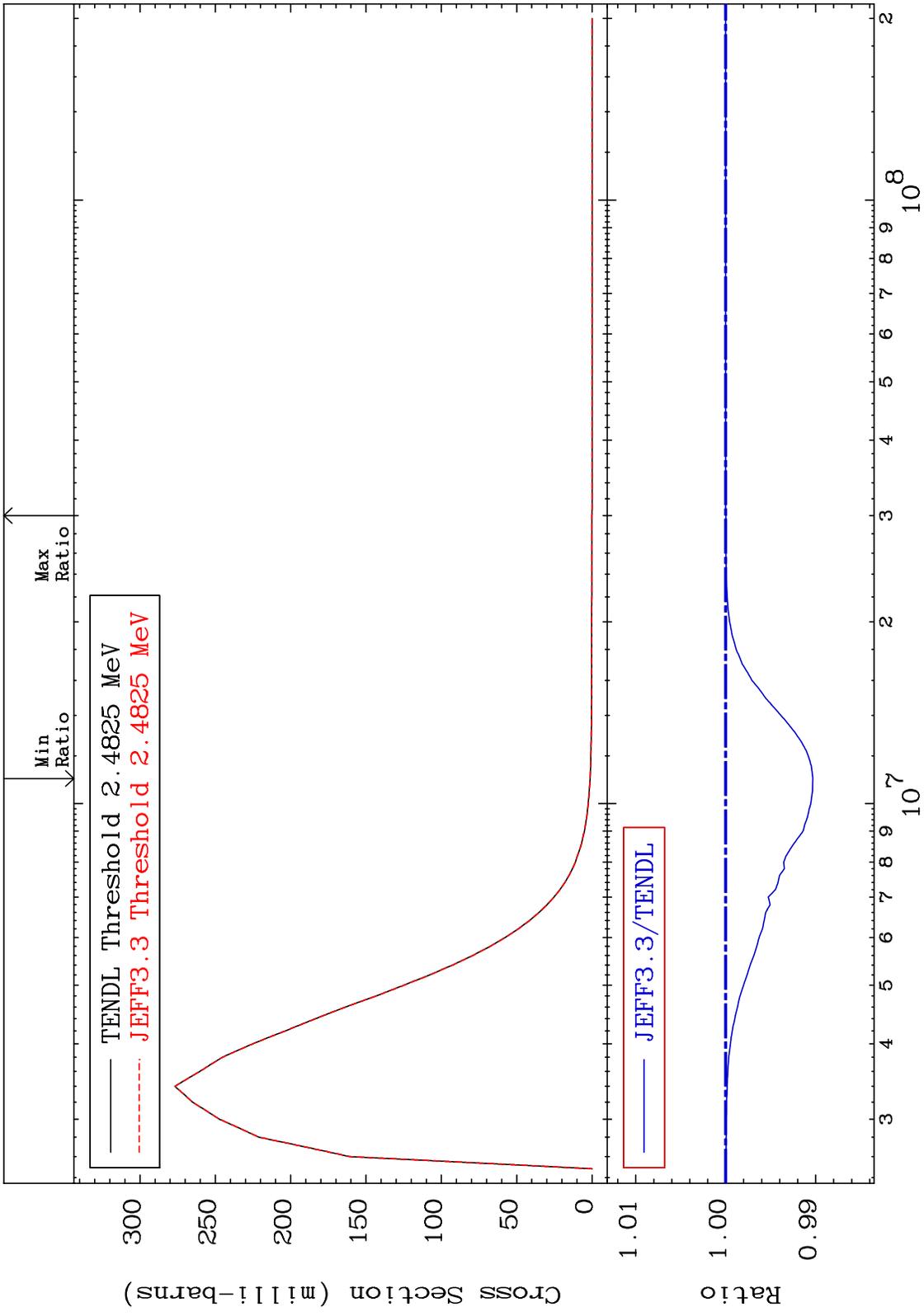
MAT 2031 MT= 51 (n,n') Level Cross Section -0.198 To 0.000 % 20-Ca-42



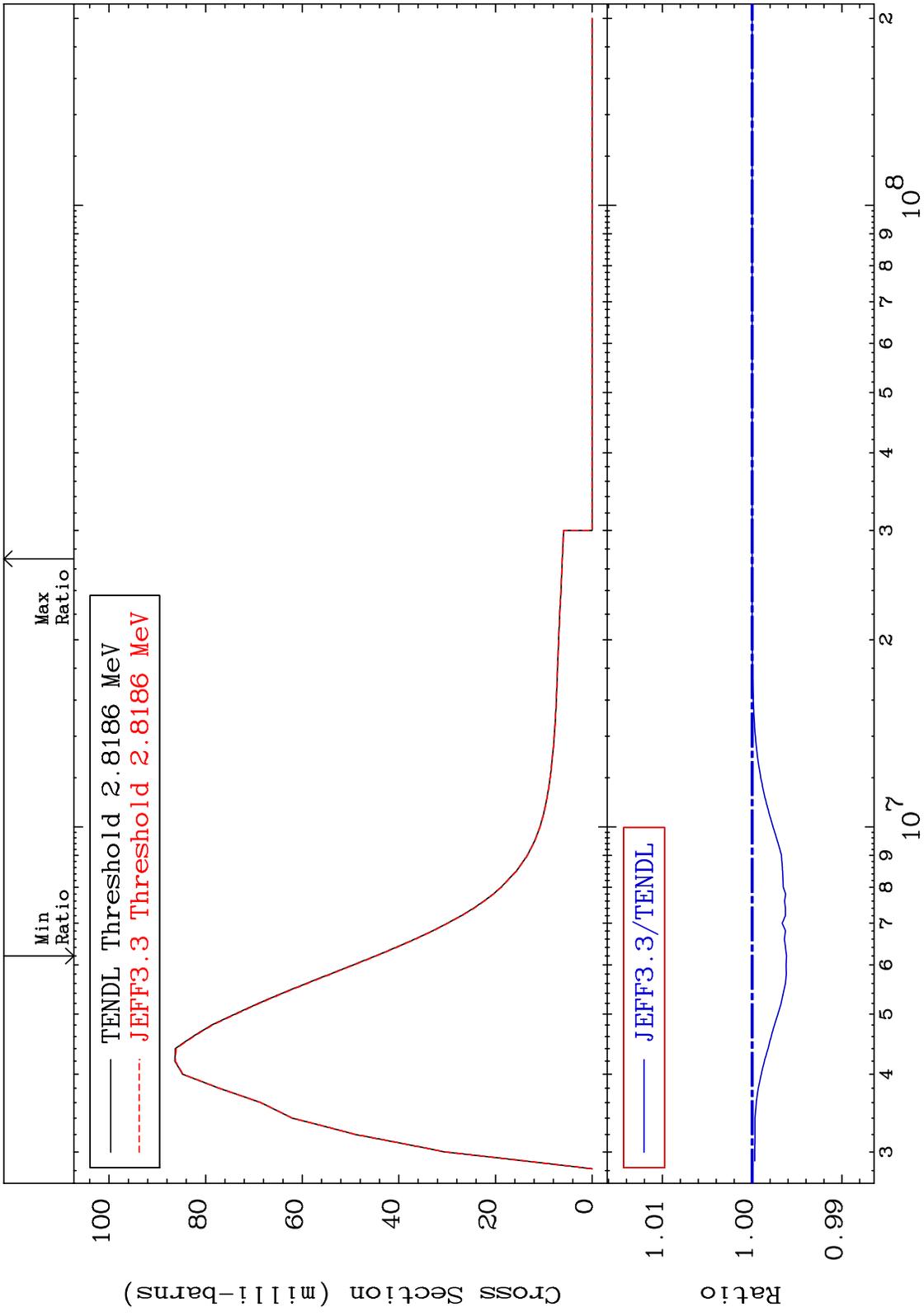
MAT 2031 MT= 52 (n,n') Level Cross Section 20-Ca-42 -2.500 To 0.000 %



MAT 2031 MT= 53 (n, n') Level Cross Section 20-Ca-42  
 -0.968 To 0.000 %



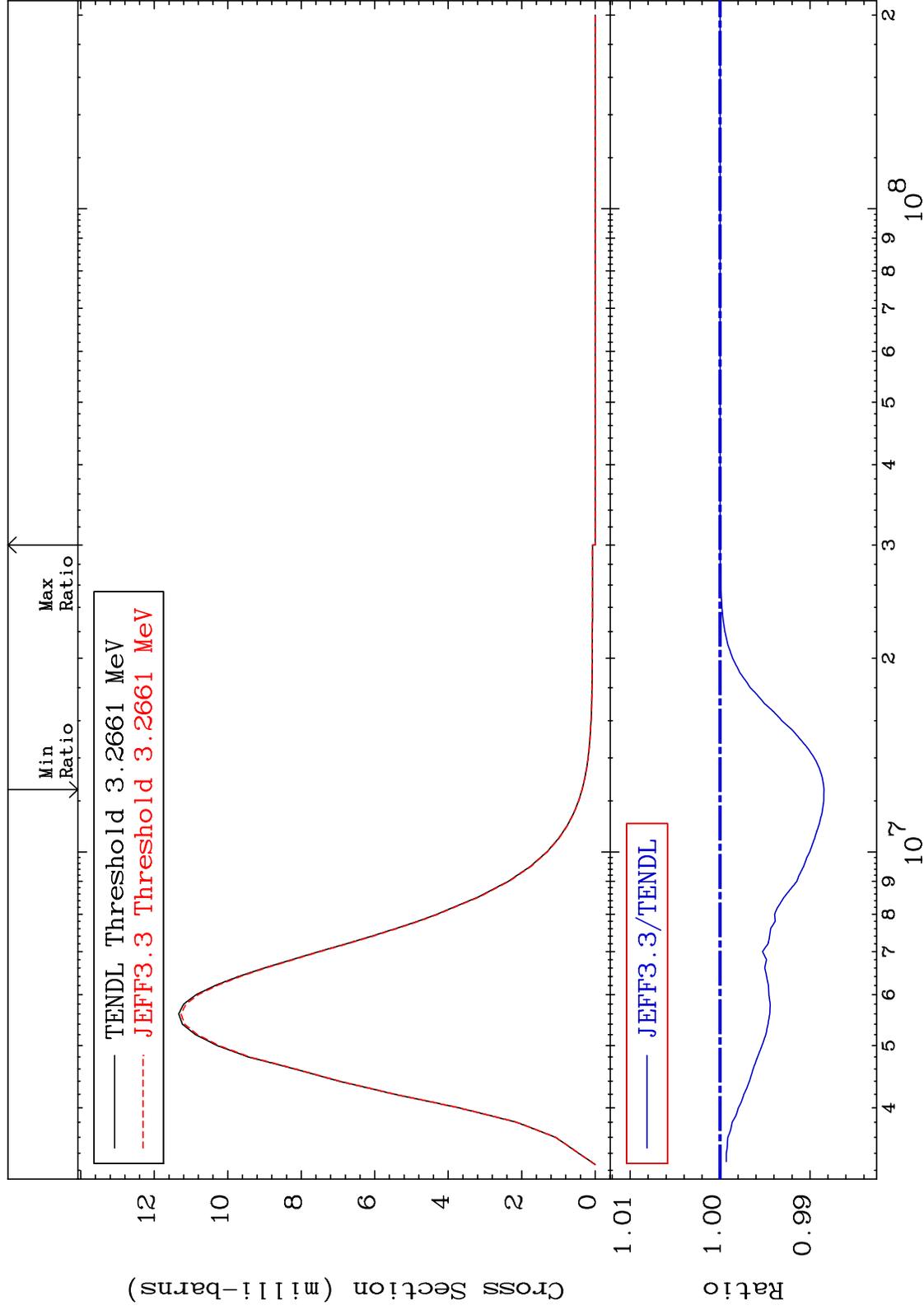
MAT 2031 MT= 54 (n,n') Level Cross Section 20-Ca-42  
 -0.383 To 0.000 %



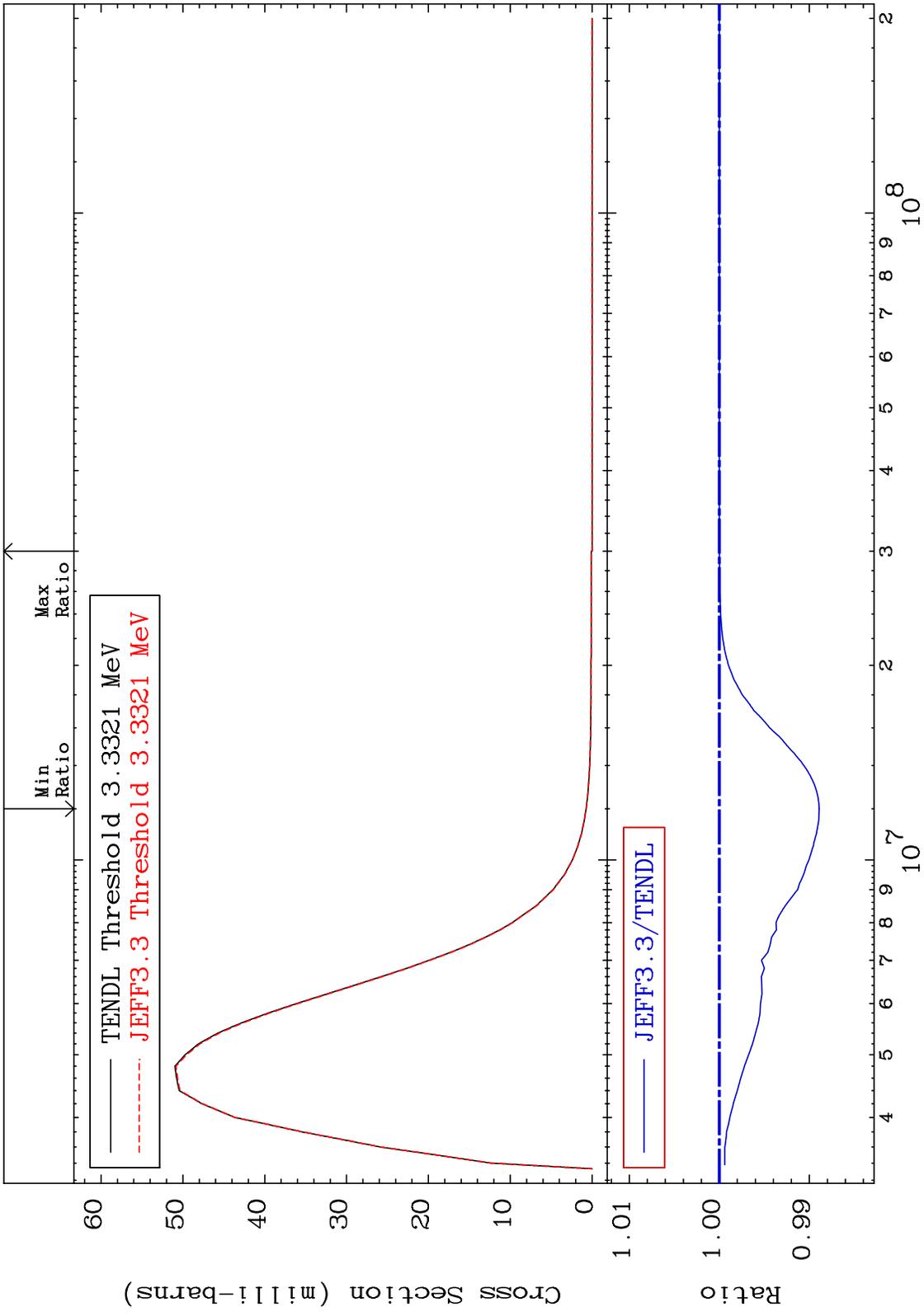
MAT 2031

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

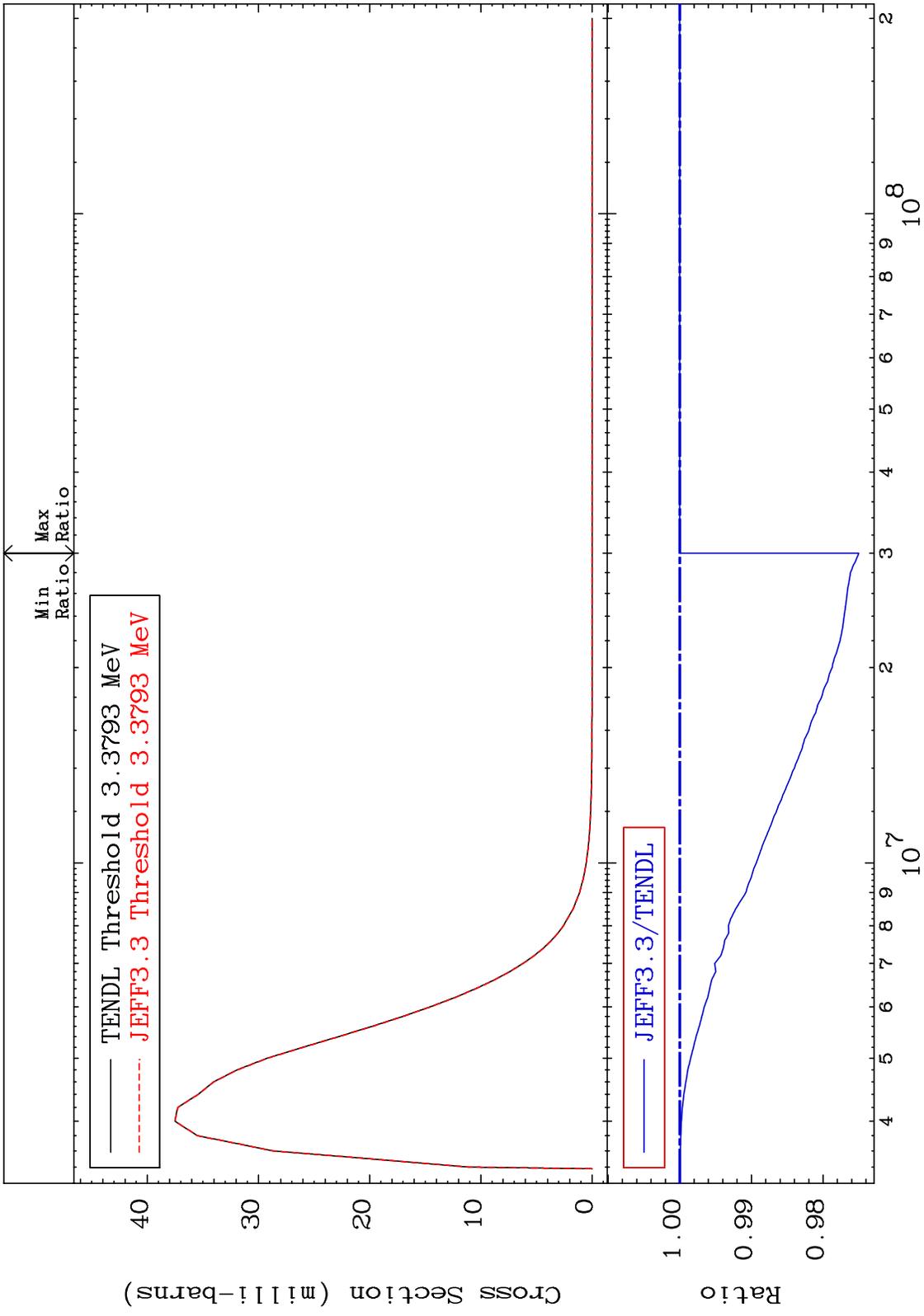
20-Ca-42  
-1.156 To 0.000 %



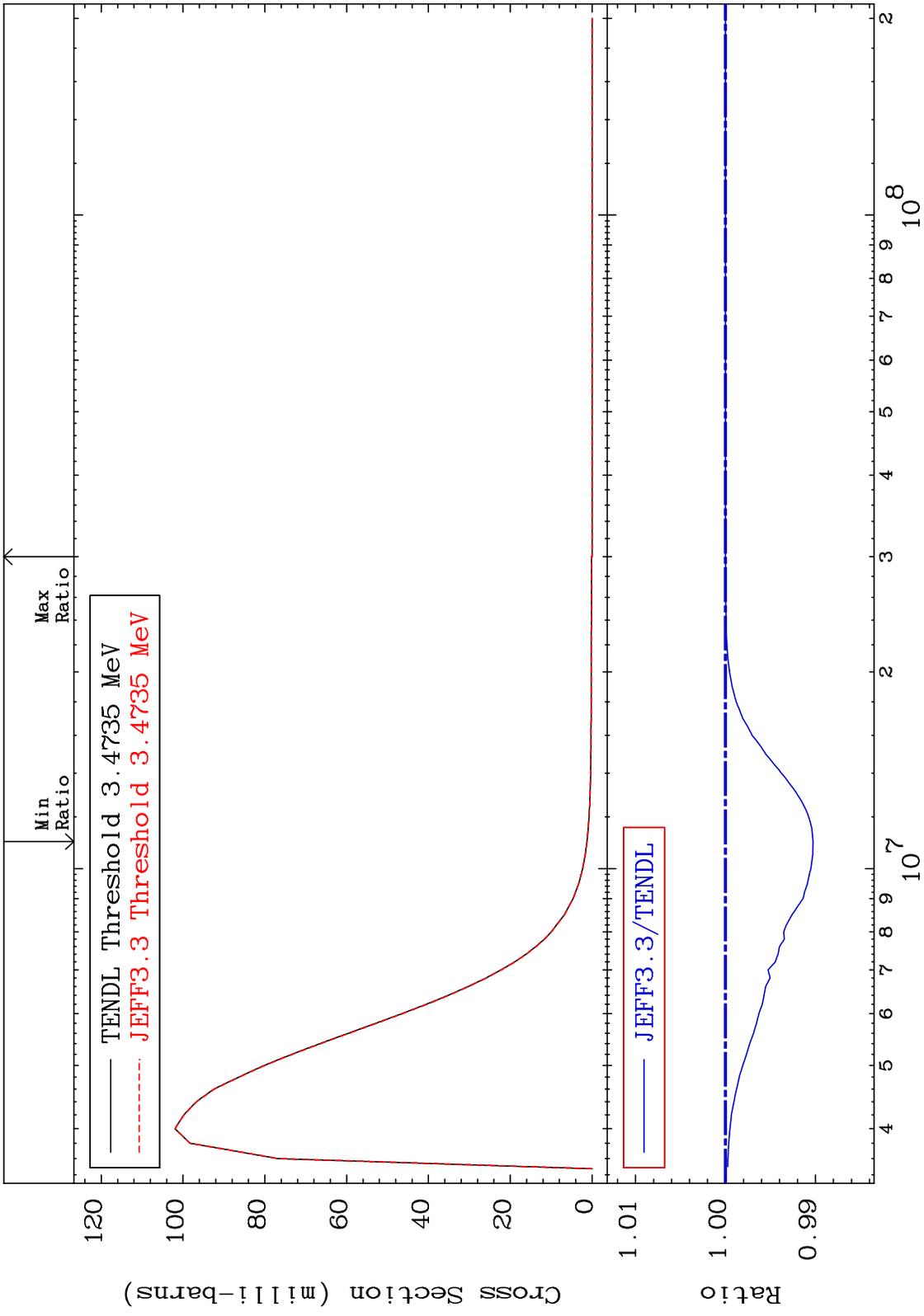
MAT 2031 MT= 56 (n,n') Level Cross Section -1.110 To 0.000 % 20-Ca-42



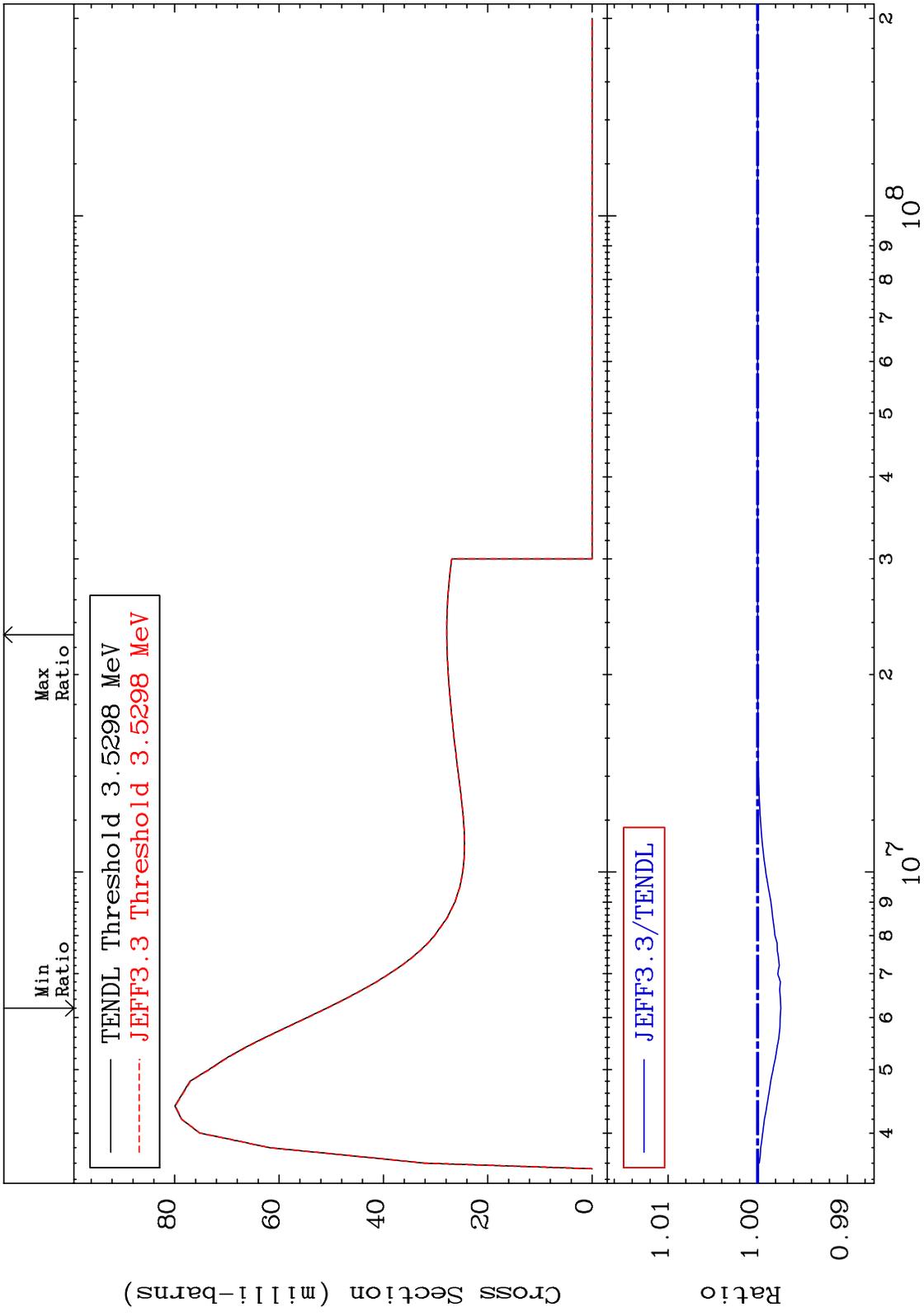
MAT 2031 MT= 57 (n,n') Level Cross Section -2.499 To 0.000 % 20-Ca-42



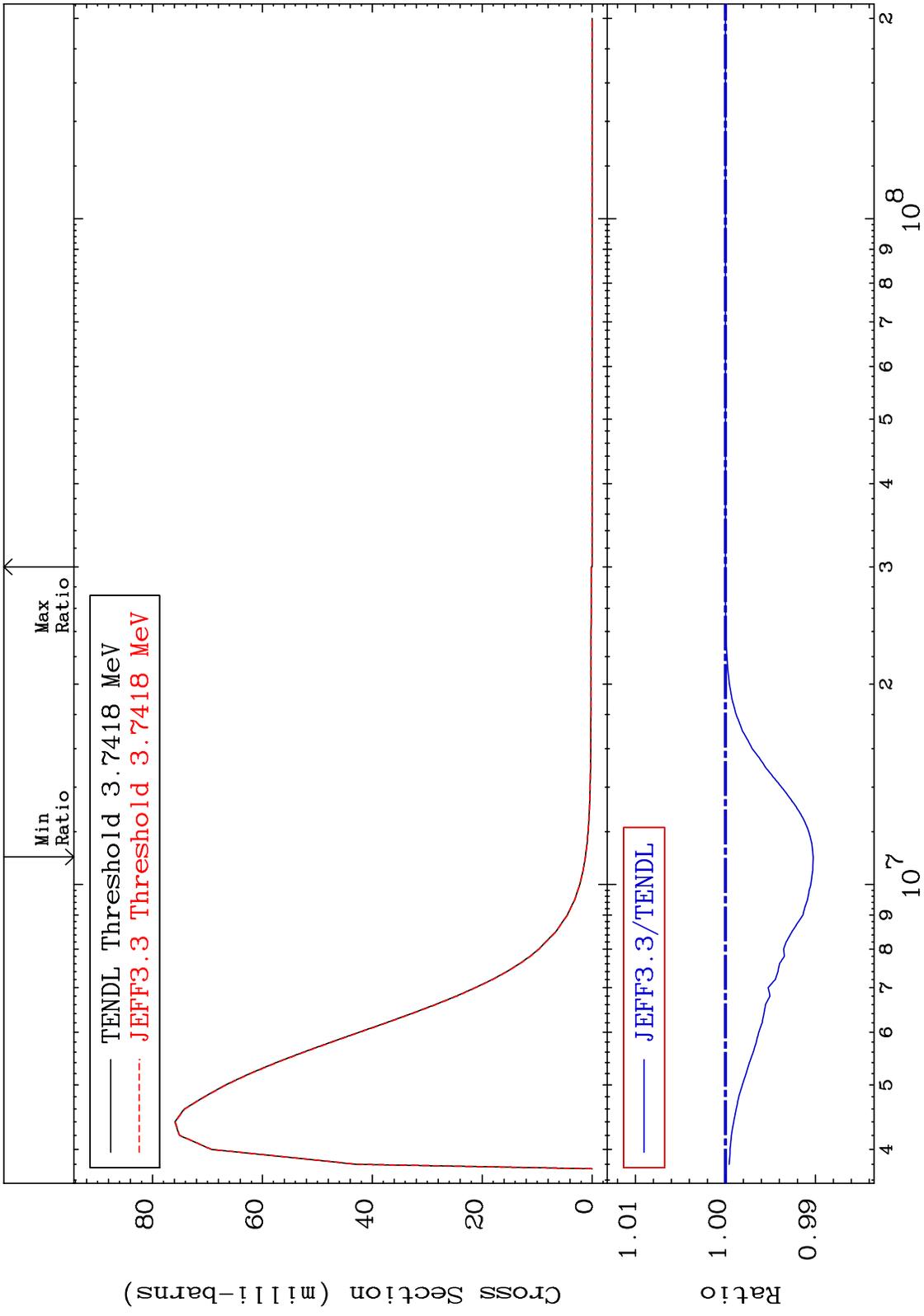
MAT 2031 MT= 58 (n,n') Level Cross Section 20-Ca-42  
 -0.973 To 0.000 %



MAT 2031 MT= 59 (n,n') Level Cross Section -0.260 To 0.000 % 20-Ca-42



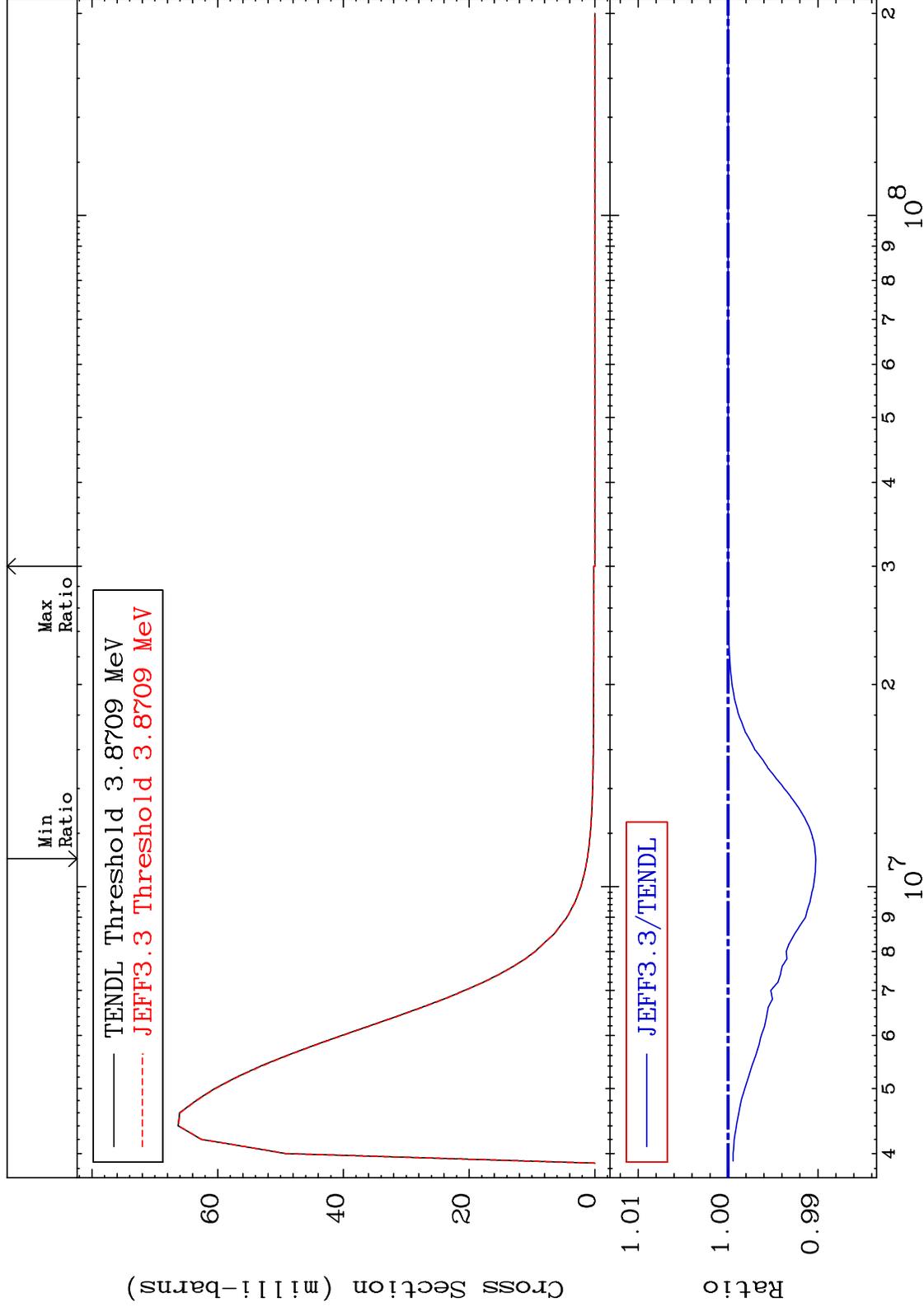
MAT 2031 MT= 60 (n,n') Level Cross Section 20-Ca-42  
 -0.976 To 0.000 %



MAT 2031

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

20-Ca-42  
-0.976 To 0.000 %



28

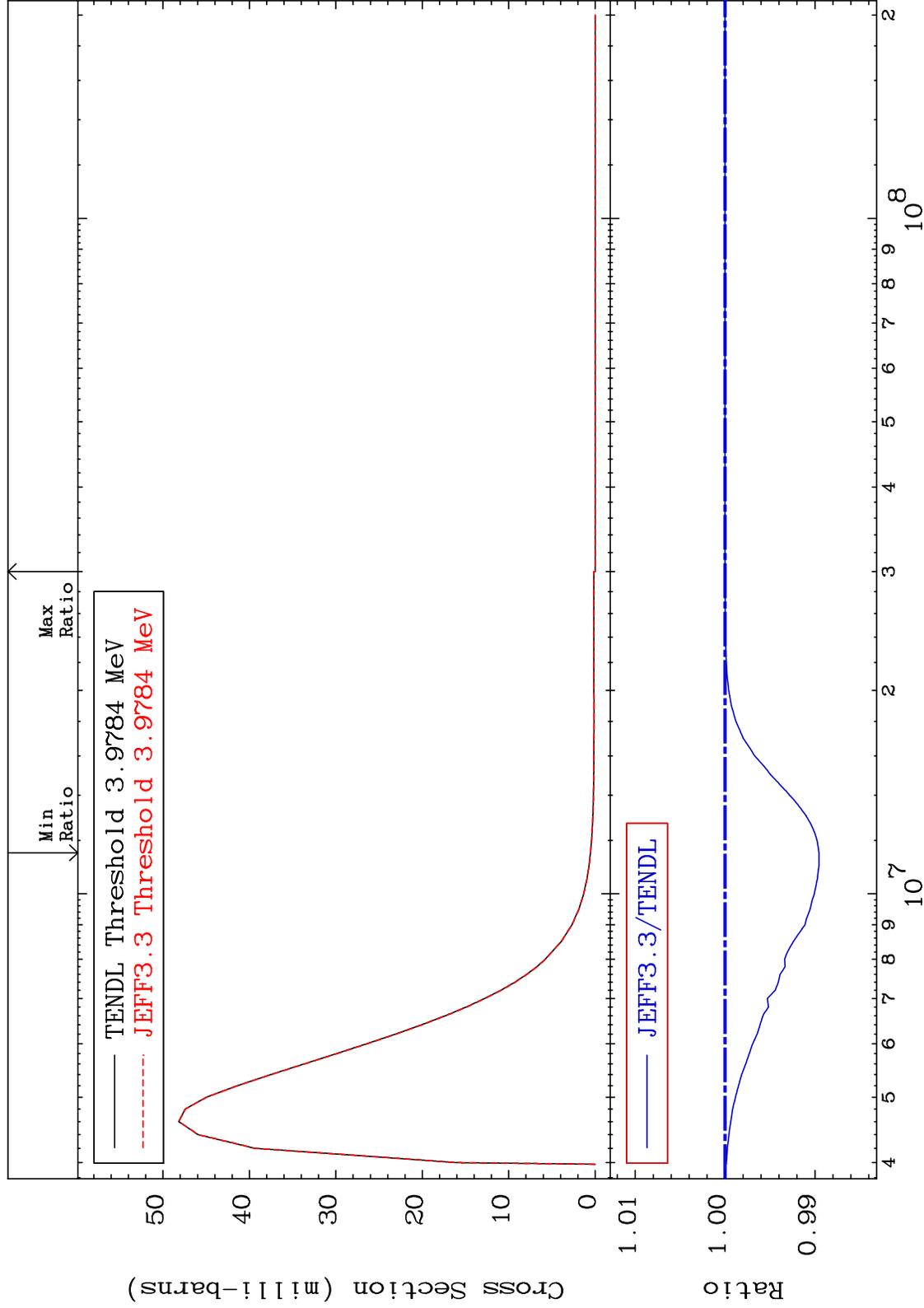
20-Ca-42

20-Ca-42

MAT 2031

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

20-Ca-42  
-1.045 To 0.000 %

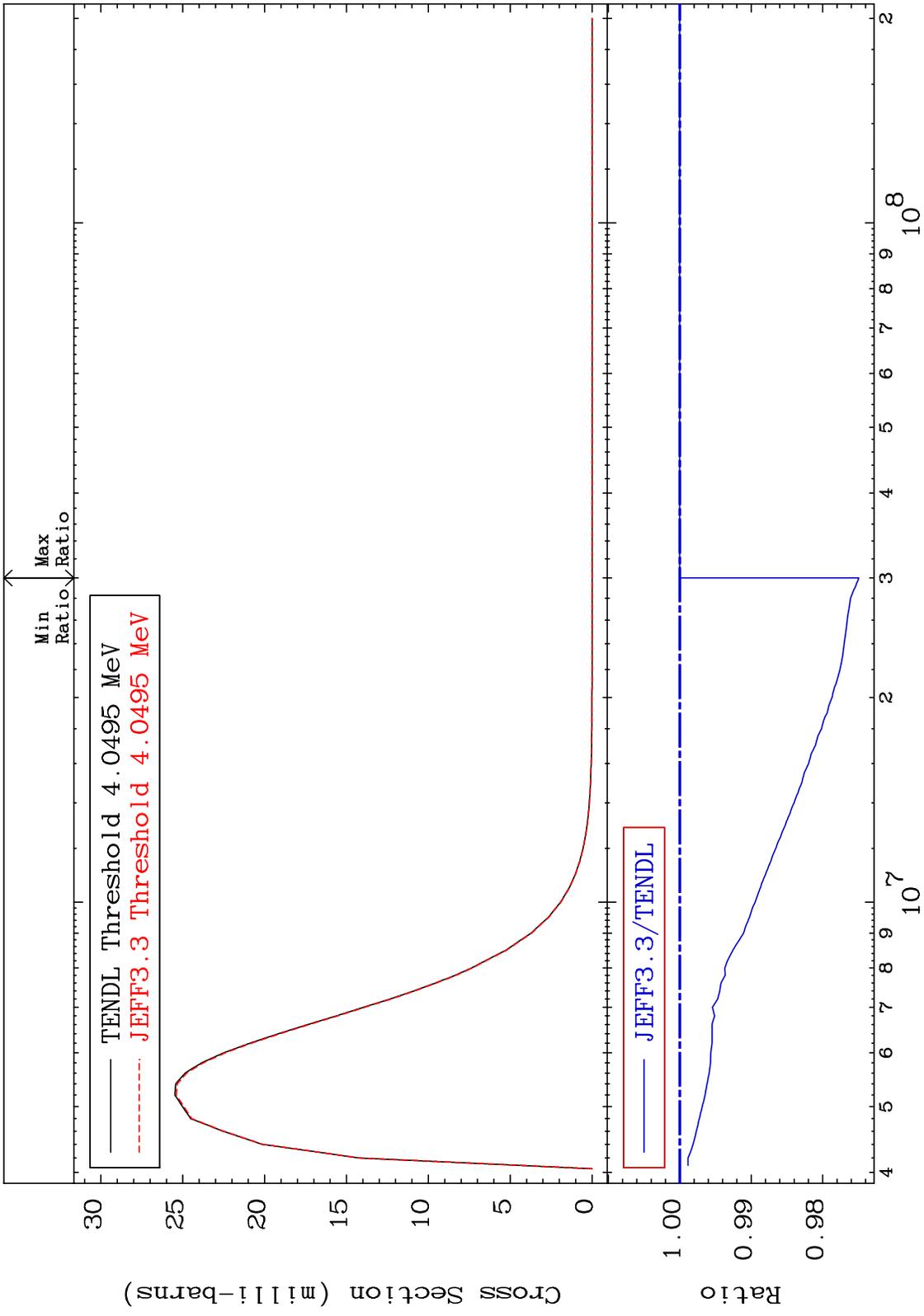


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Incident Energy (eV)

20-Ca-42

MAT 2031 MT= 63 (n,n') Level Cross Section -2.505 To 0.000 % 20-Ca-42

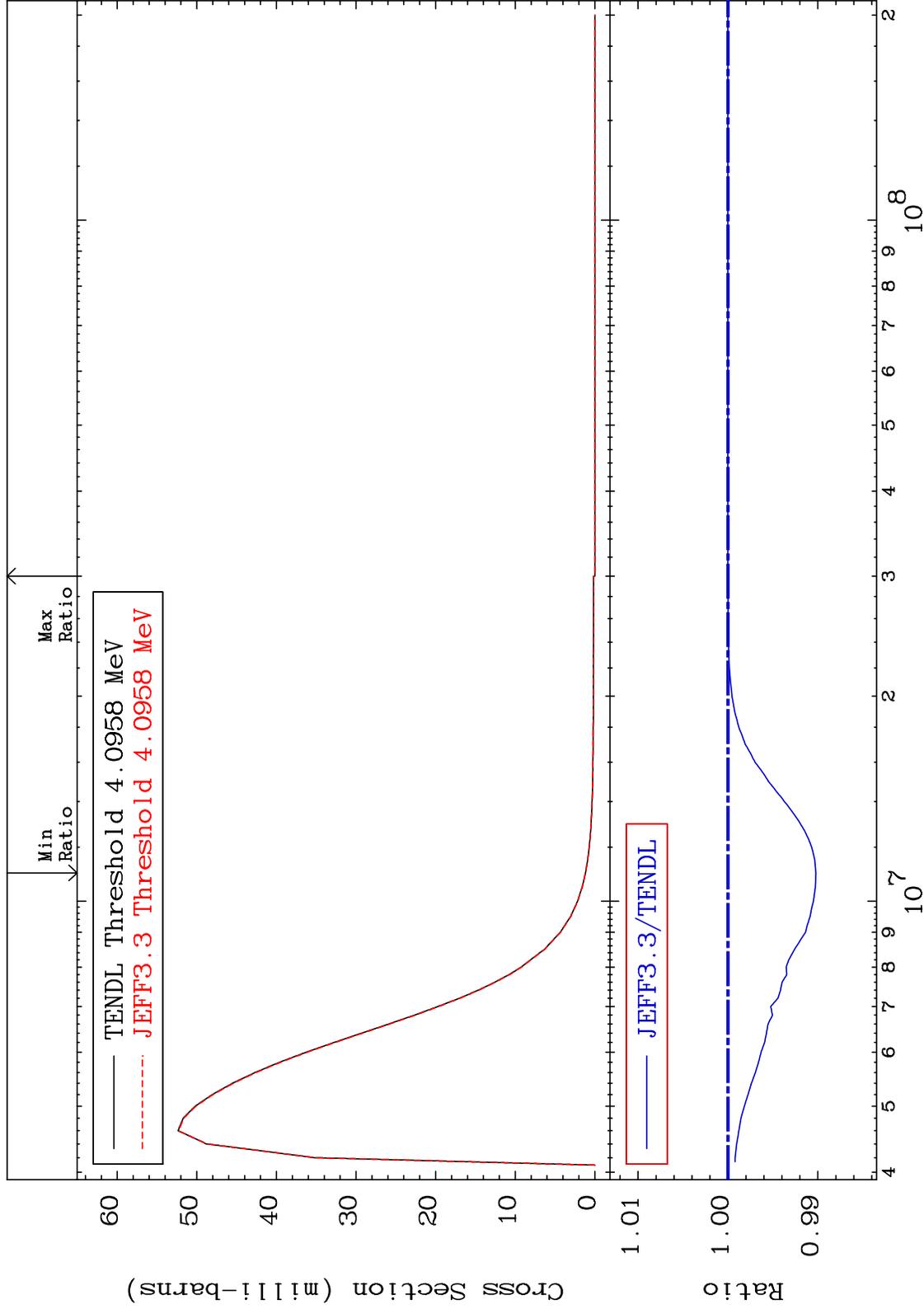


30 Incident Energy (eV) 20-Ca-42

MAT 2031

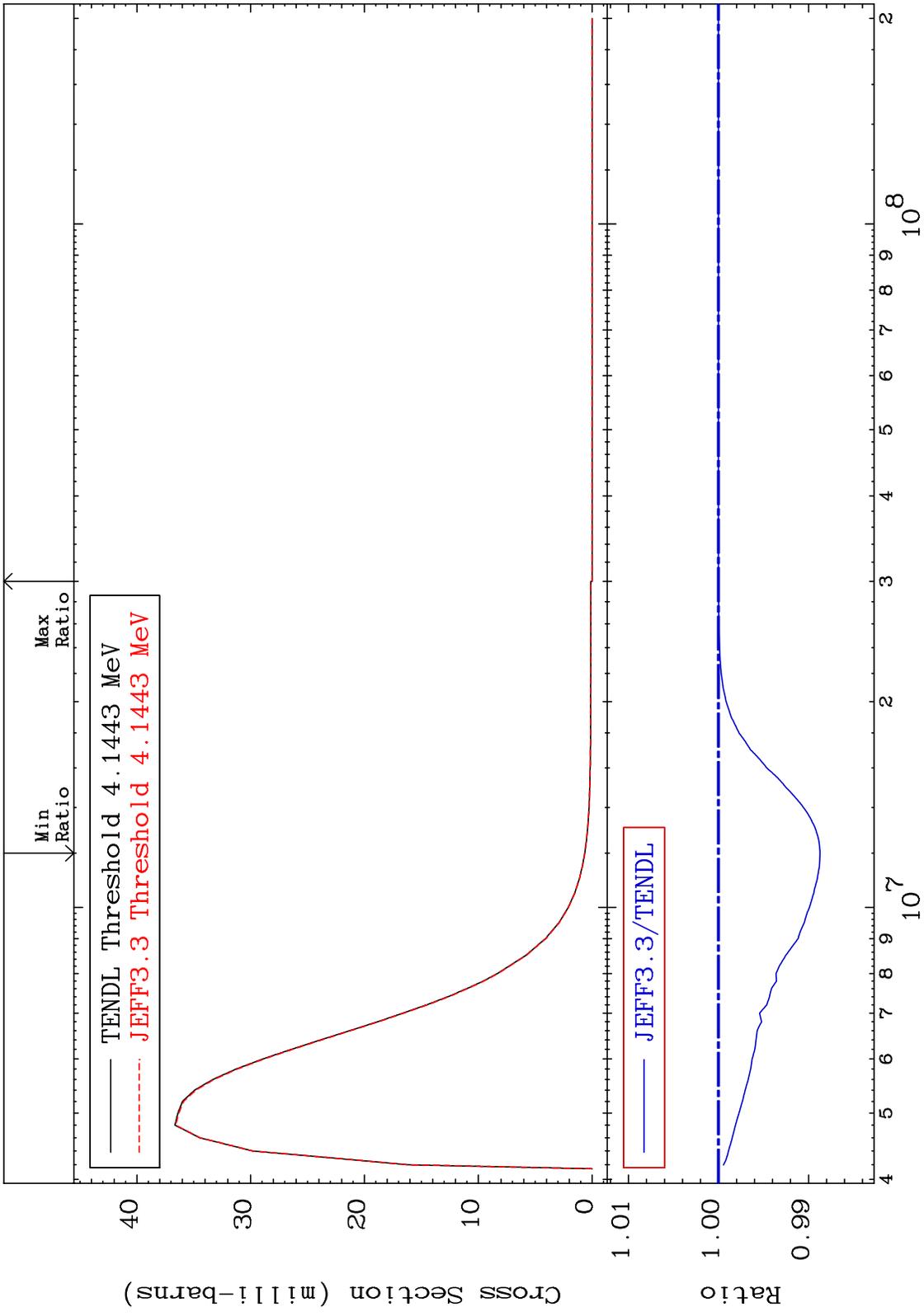
MT= 64 (n,n') Level  
Cross Section

20-Ca-42  
-0.977 To 0.000 %

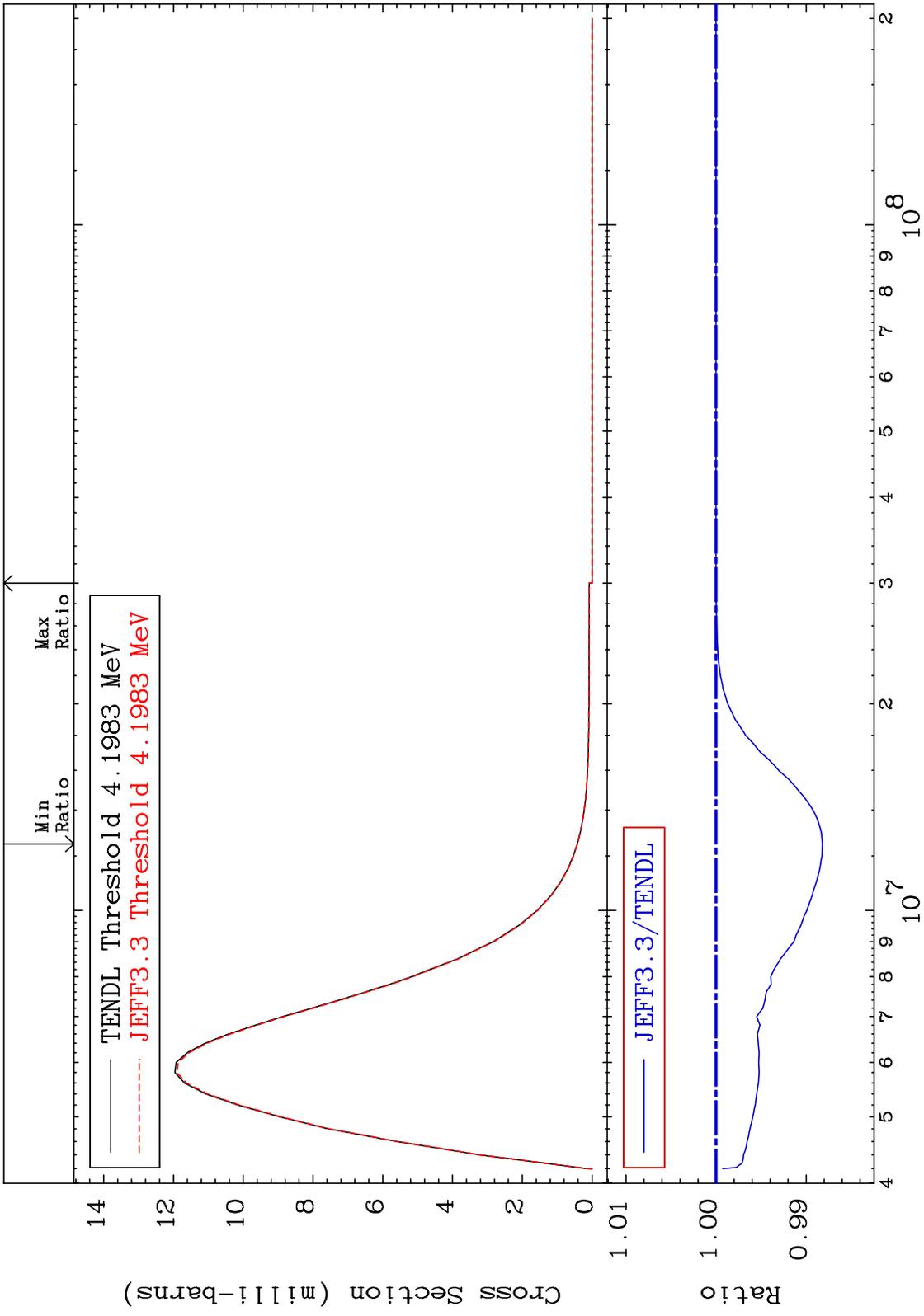


31

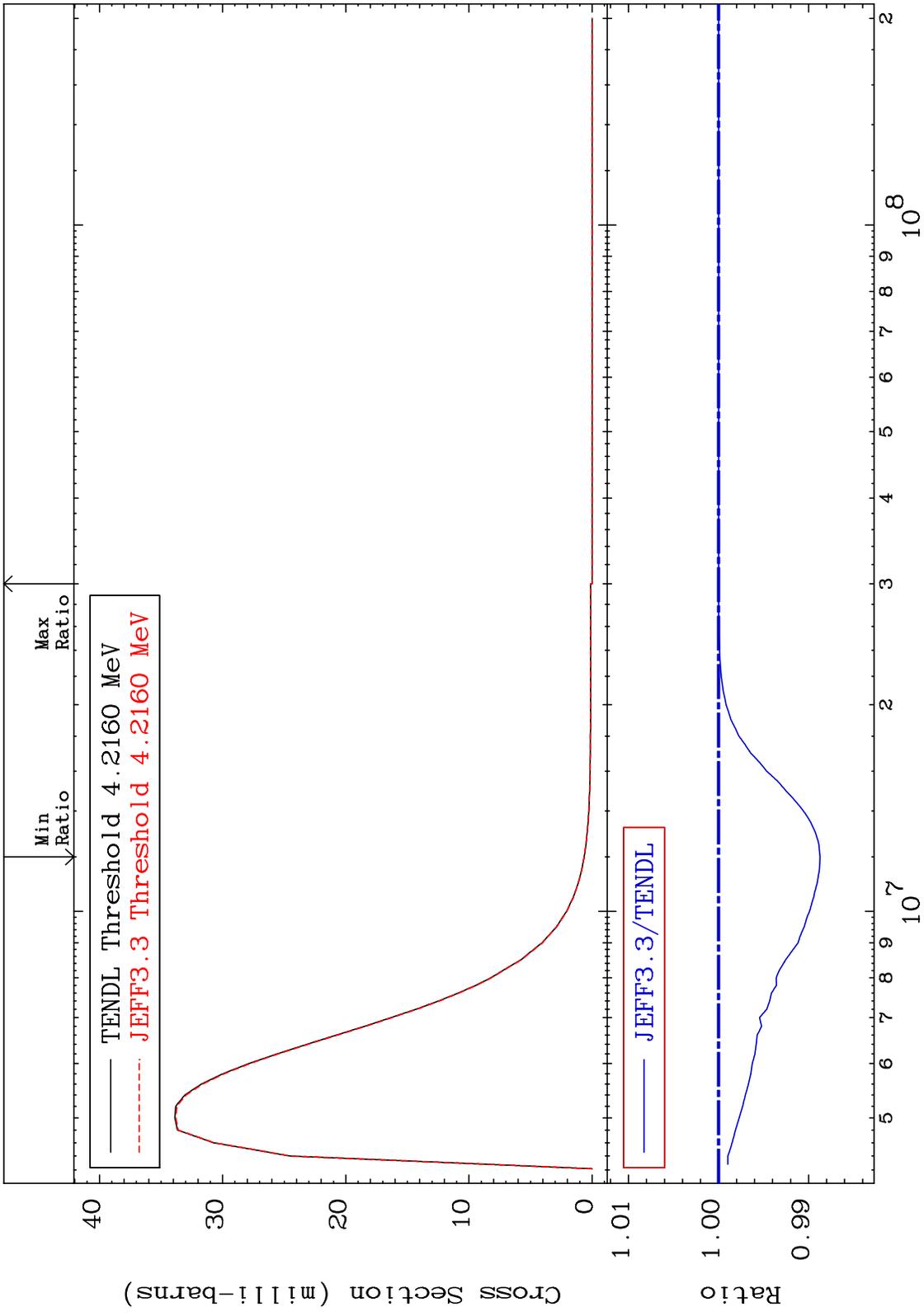
MAT 2031 MT= 65 (n,n') Level Cross Section -1.128 To 0.000 % 20-Ca-42



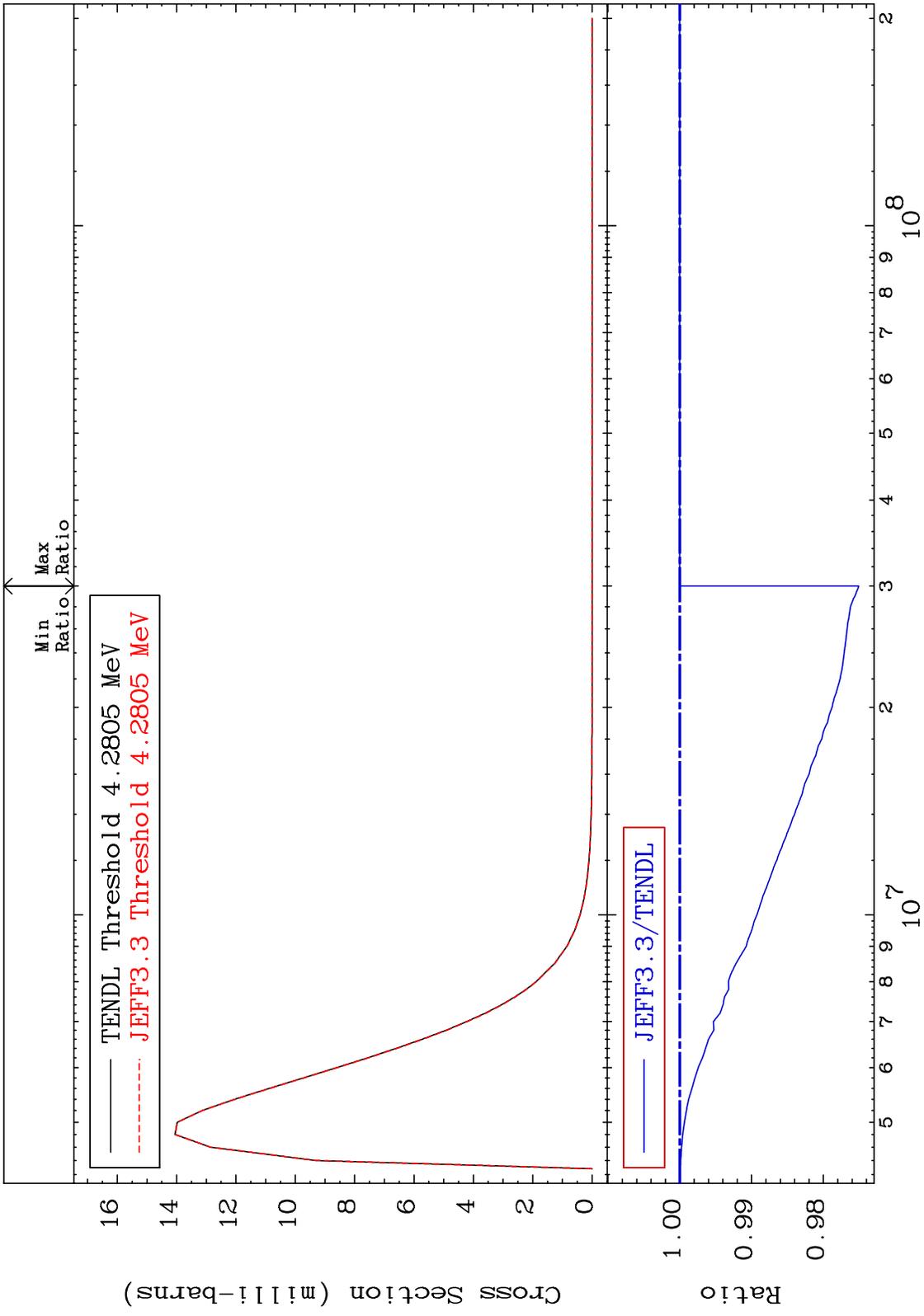
MAT 2031 MT= 66 (n,n') Level Cross Section -1.182 To 0.000 % 20-Ca-42



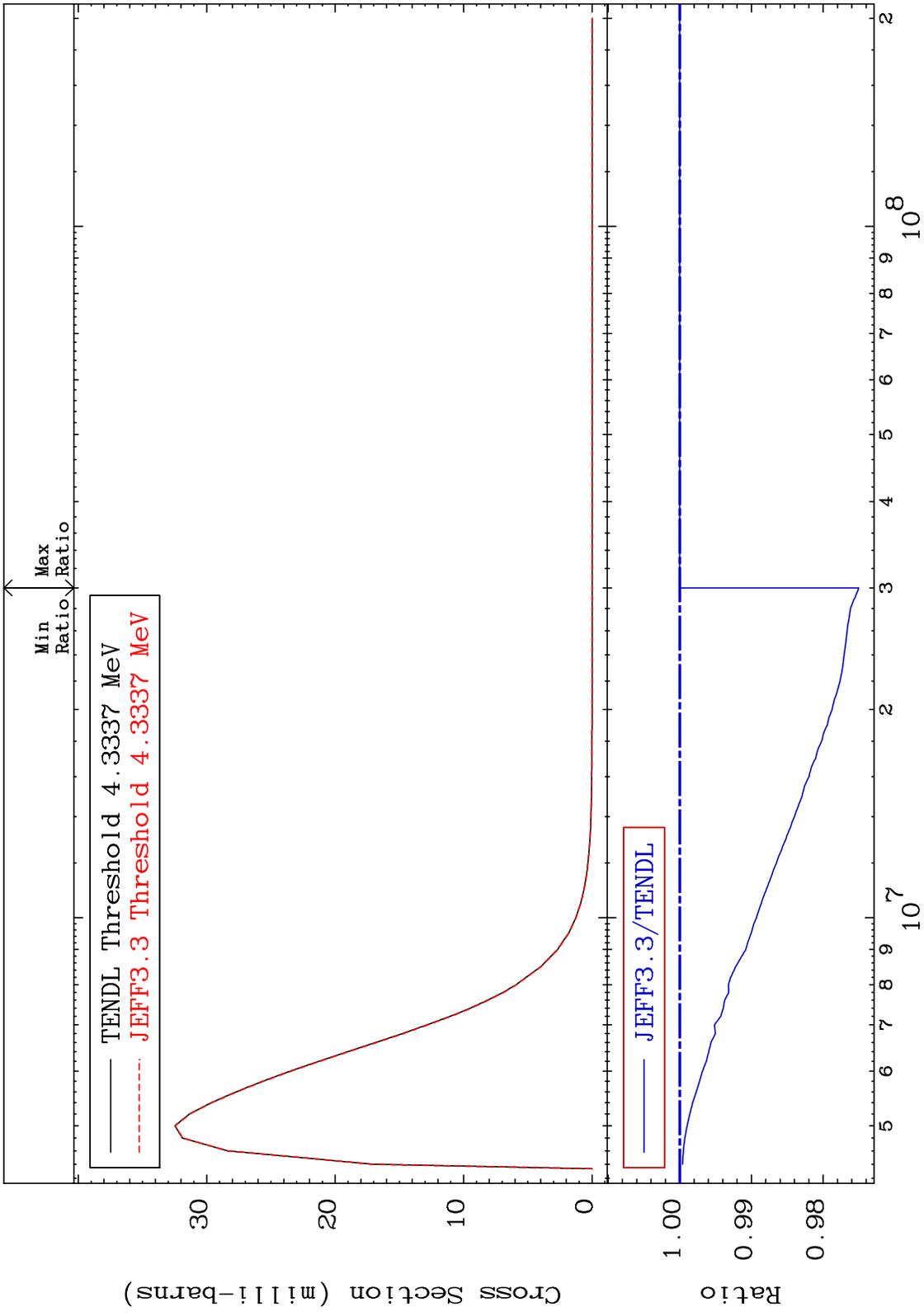
MAT 2031 MT= 67 (n,n') Level Cross Section -1.127 To 0.000 % 20-Ca-42



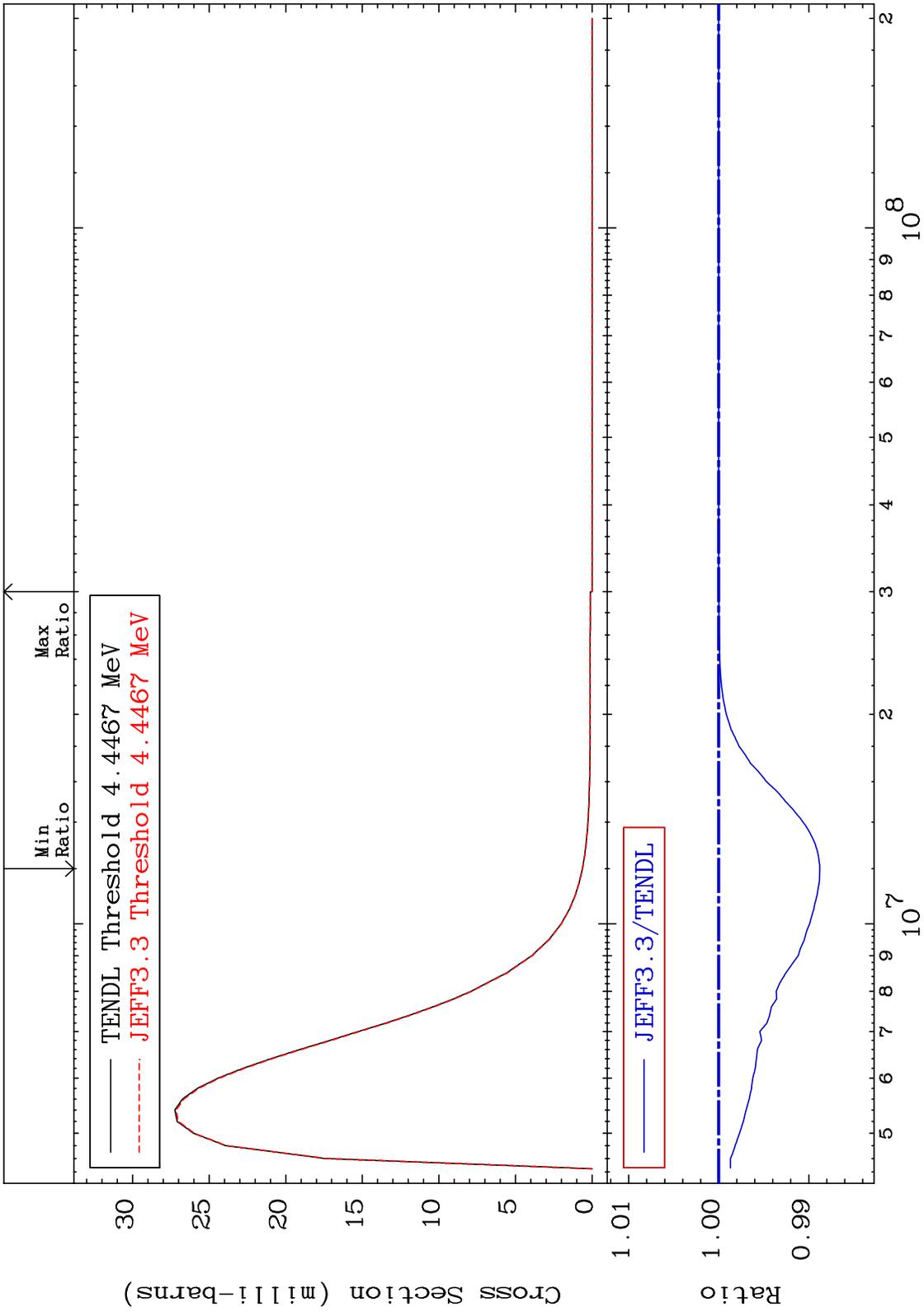
MAT 2031 MT= 68 (n,n') Level Cross Section -2.494 To 0.000 % 20-Ca-42



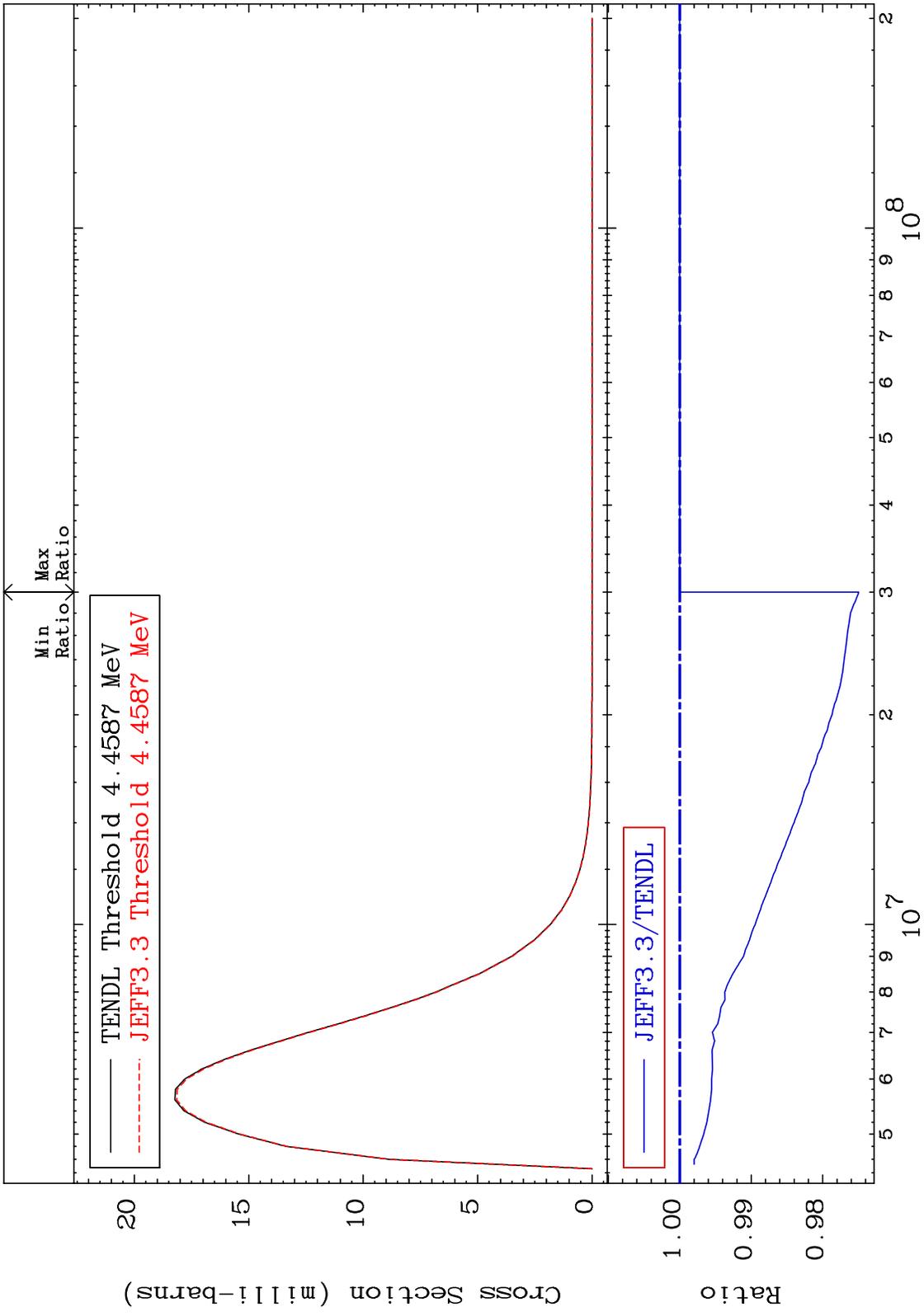
MAT 2031 MT= 69 (n, n') Level Cross Section -2.497 To 0.000 % 20-Ca-42



MAT 2031 MT= 70 (n,n') Level Cross Section -1.123 To 0.000 % 20-Ca-42



MAT 2031 MT= 71 (n,n') Level Cross Section 20-Ca-42  
 -2.505 To 0.000 %

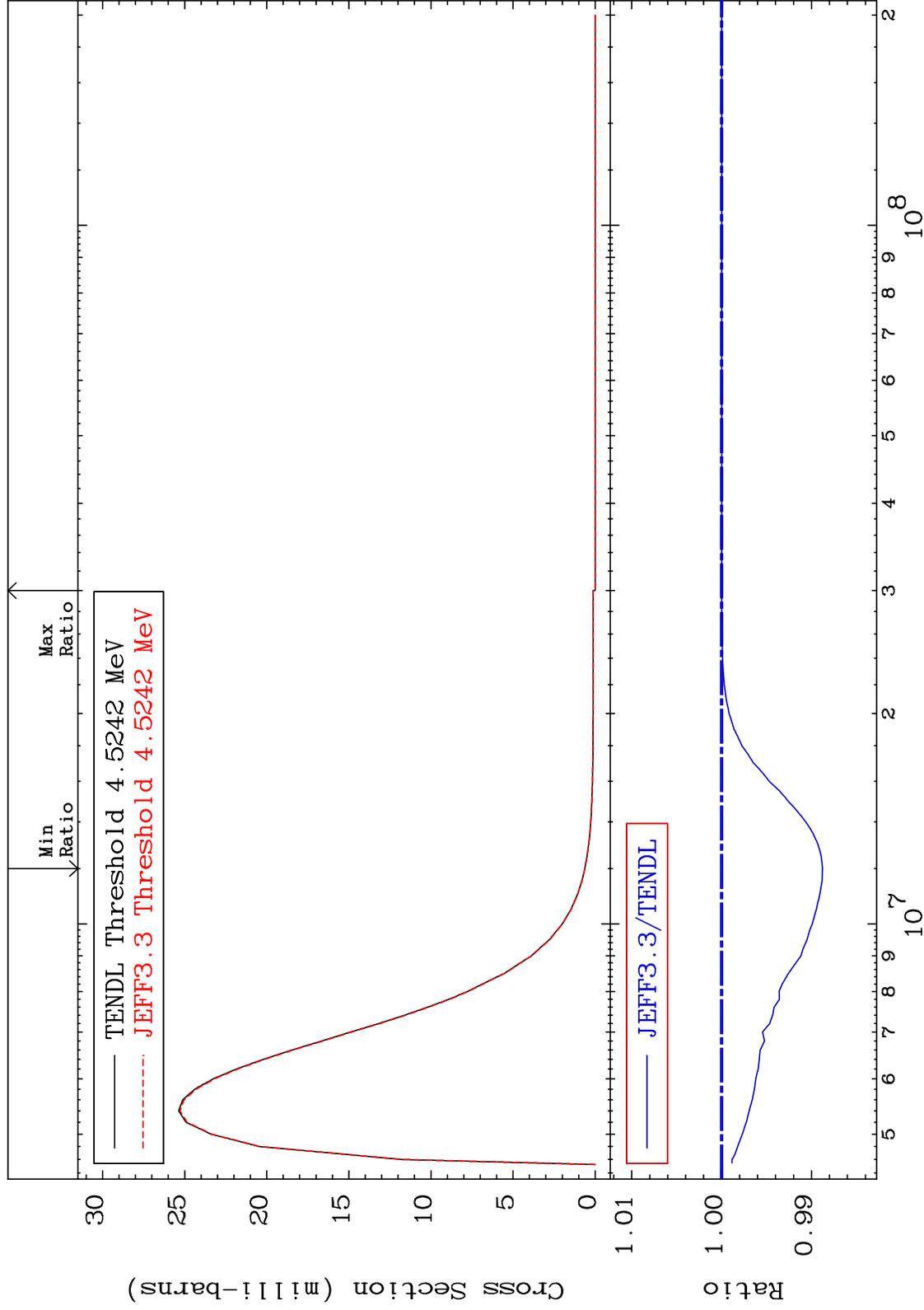


38 Incident Energy (eV) 20-Ca-42

MAT 2031

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

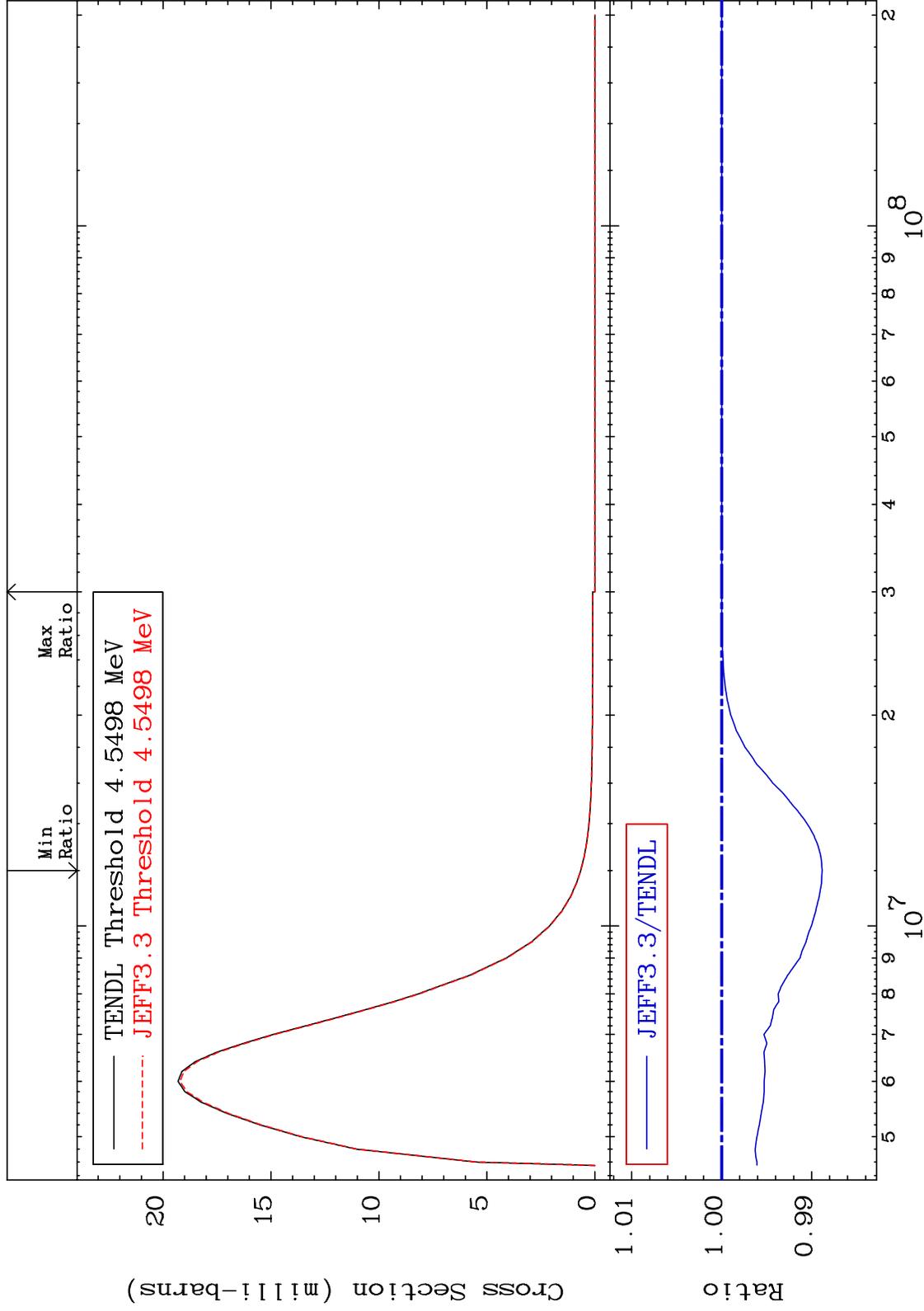
20-Ca-42  
-1.122 To 0.000 %



MAT 2031

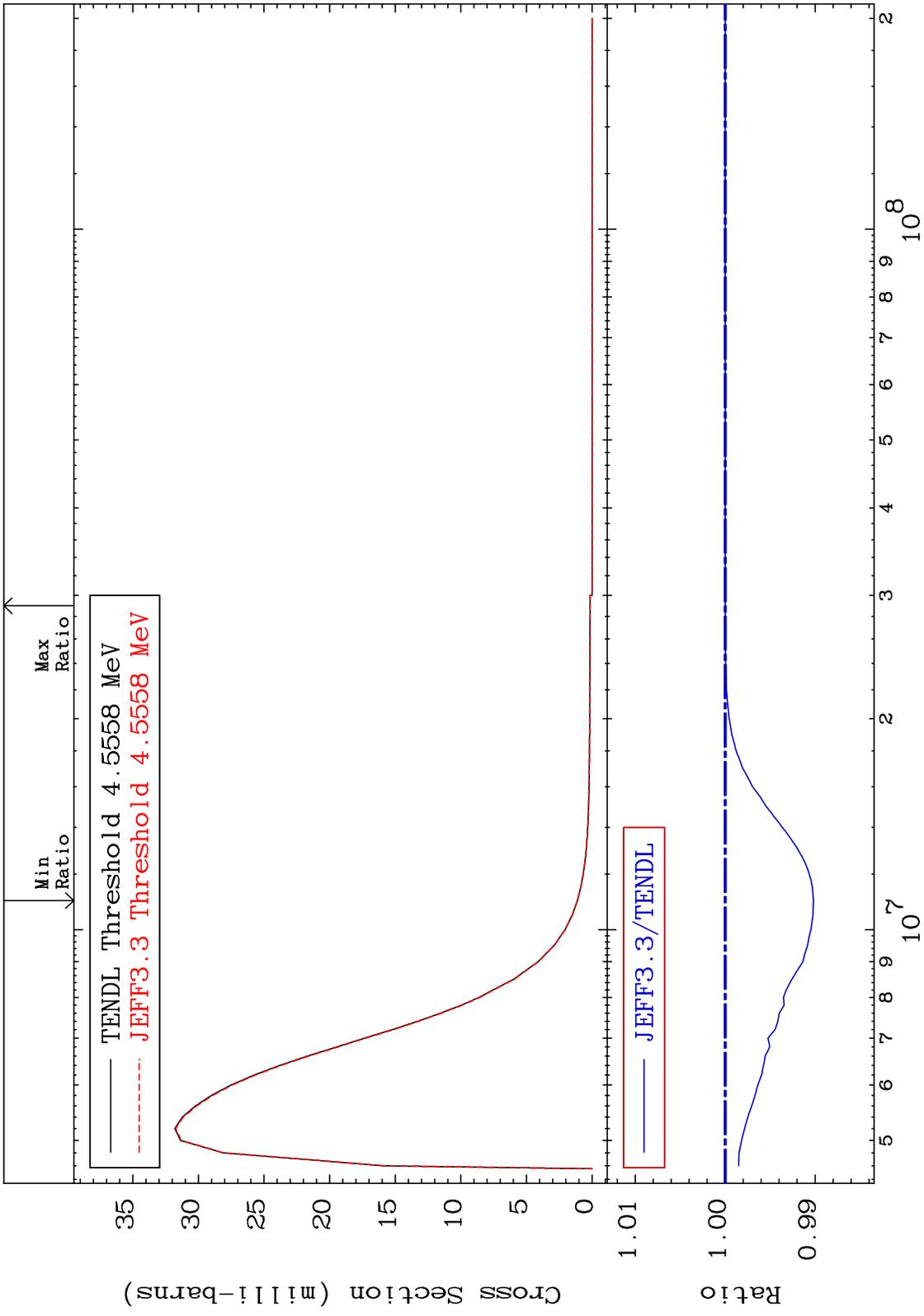
MT= 73 (n,n') Level  
Cross Section

20-Ca-42  
-1.117 To 0.000 %

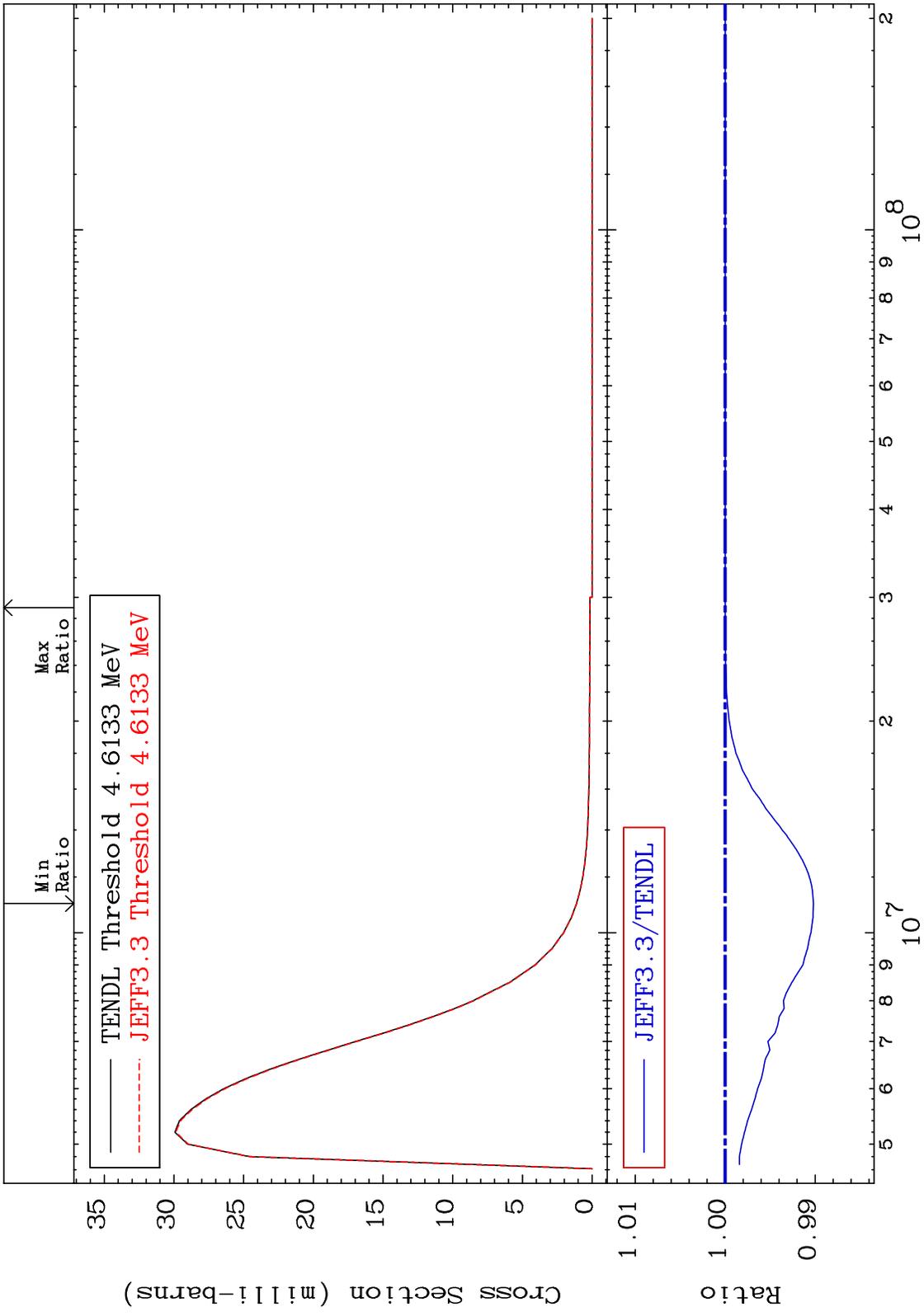


40

MAT 2031 MT= 74 (n,n') Level Cross Section -0.981 To 0.000 % 20-Ca-42



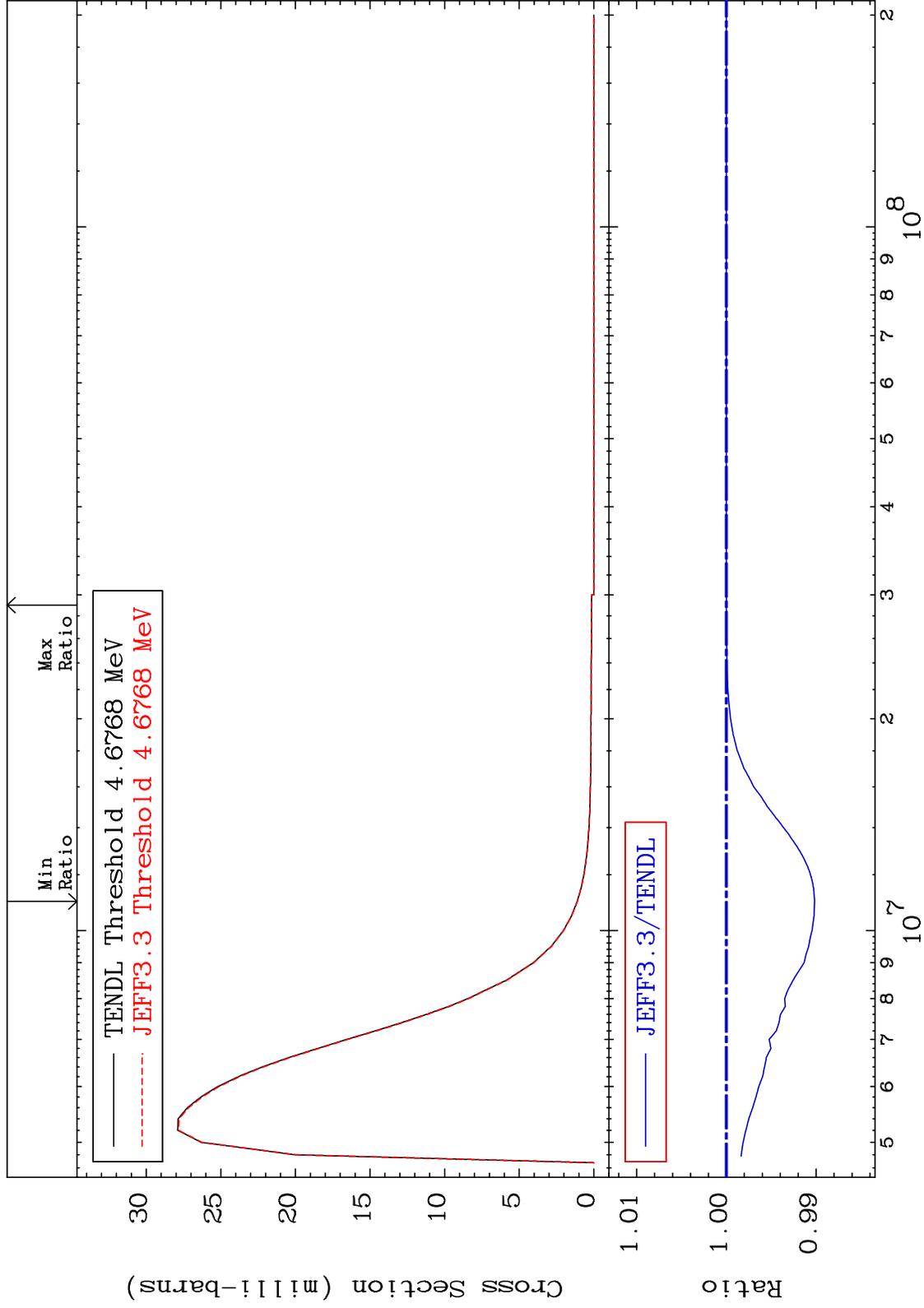
MAT 2031 MT= 75 (n,n') Level Cross Section 20-Ca-42  
 -0.982 To 0.000 %



MAT 2031

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

20-Ca-42  
-0.983 To 0.000 %

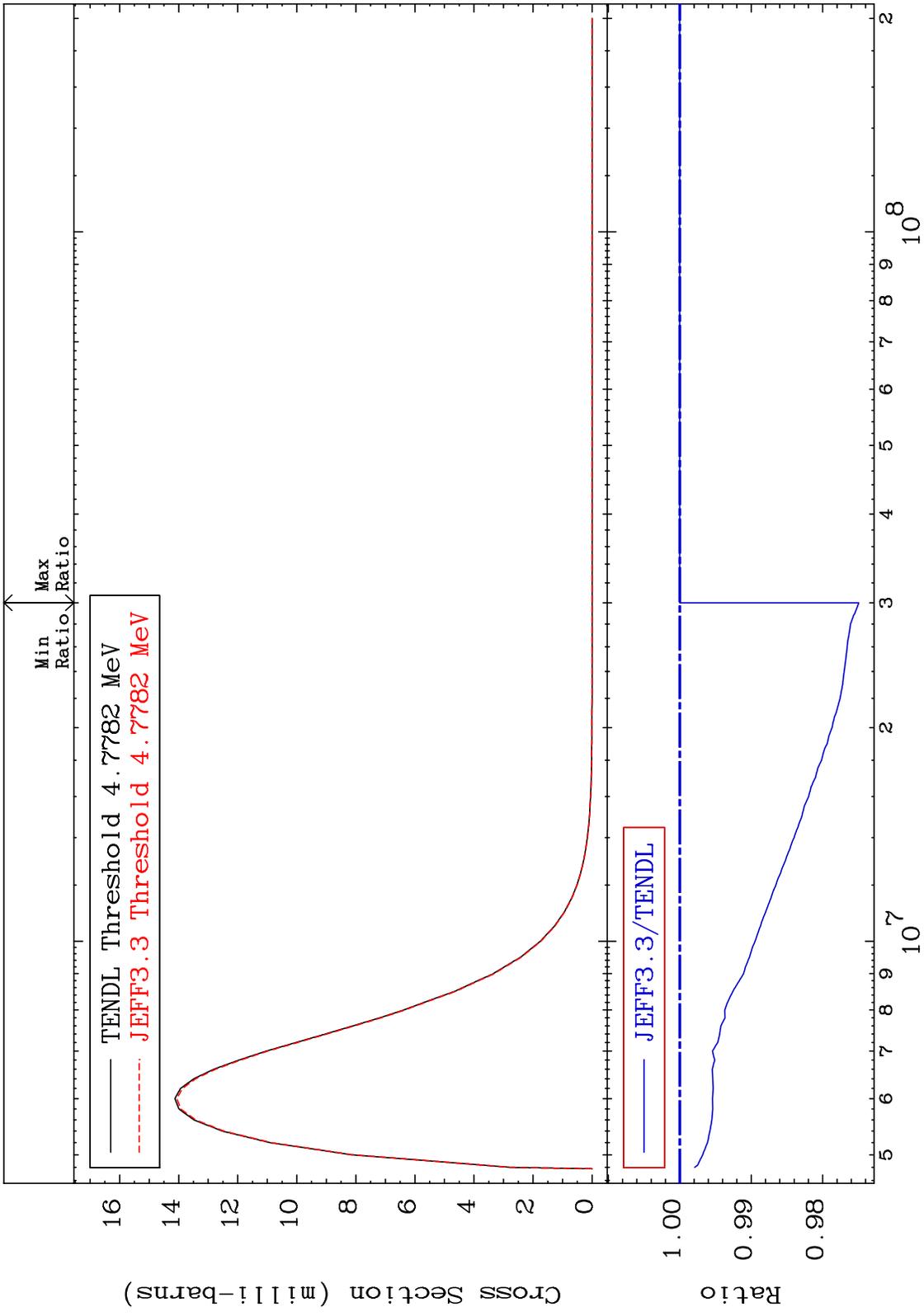


43

Incident Energy (eV)

20-Ca-42

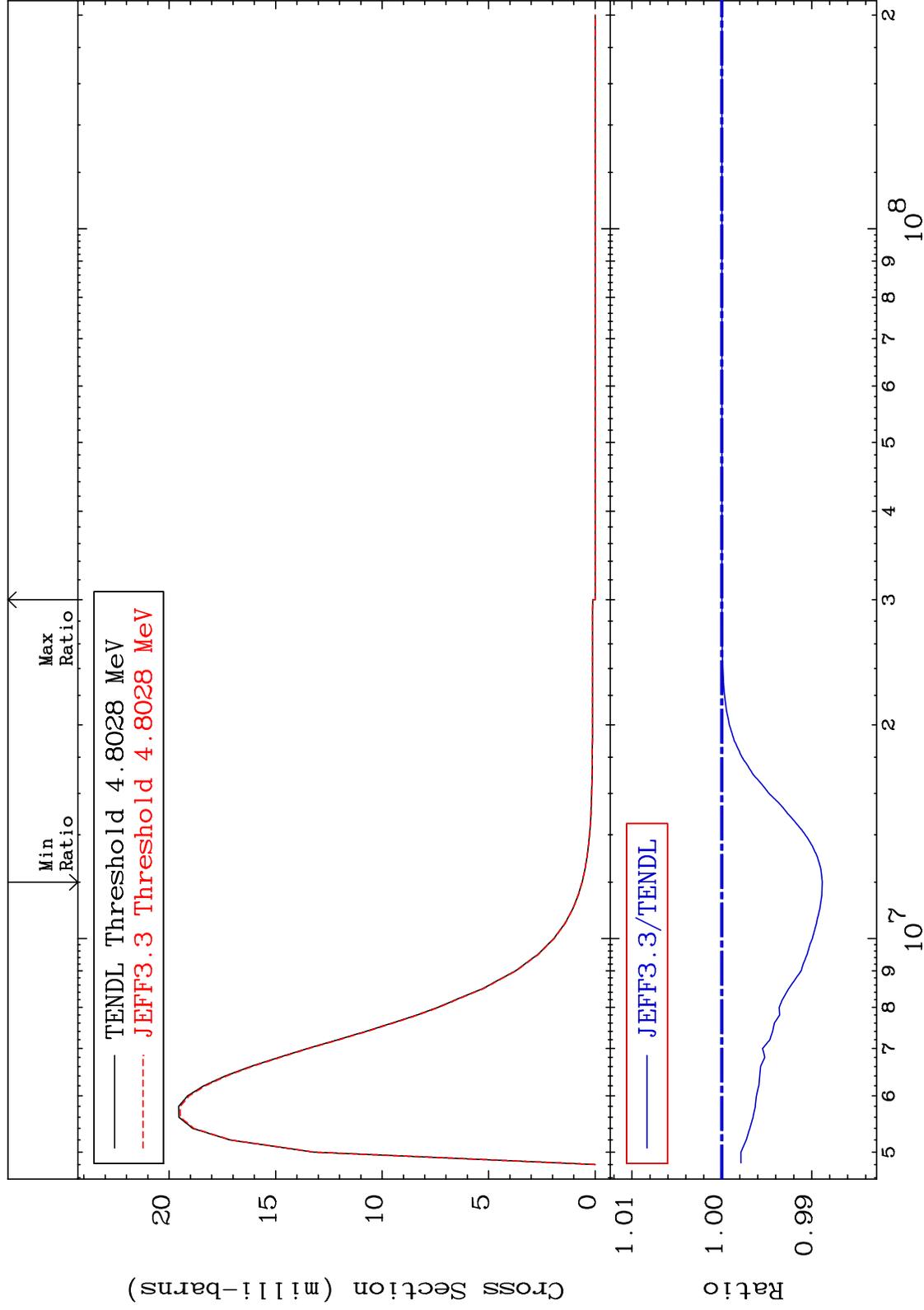
MAT 2031 MT= 77 (n,n') Level Cross Section -2.505 To 0.000 % 20-Ca-42



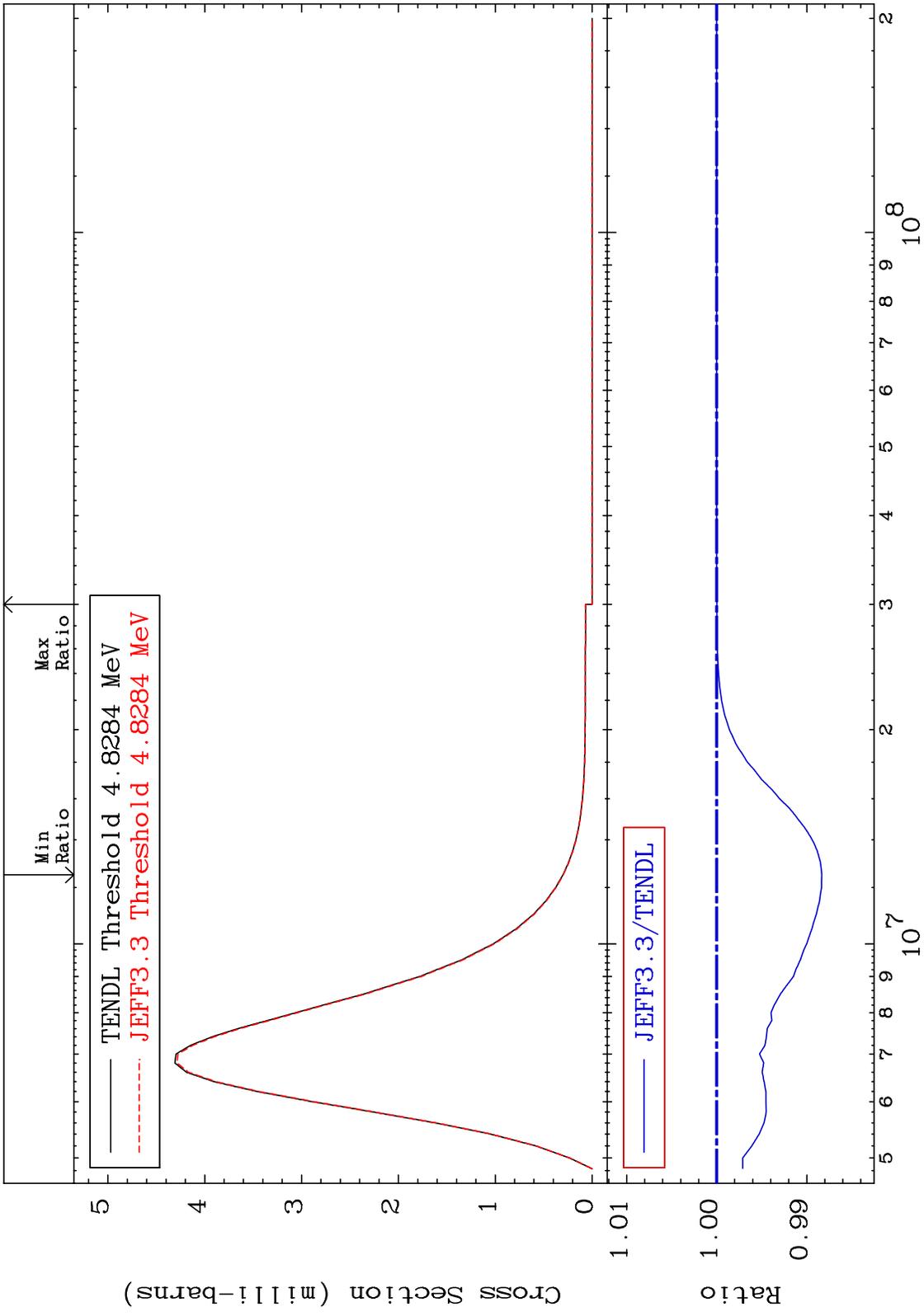
MAT 2031

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

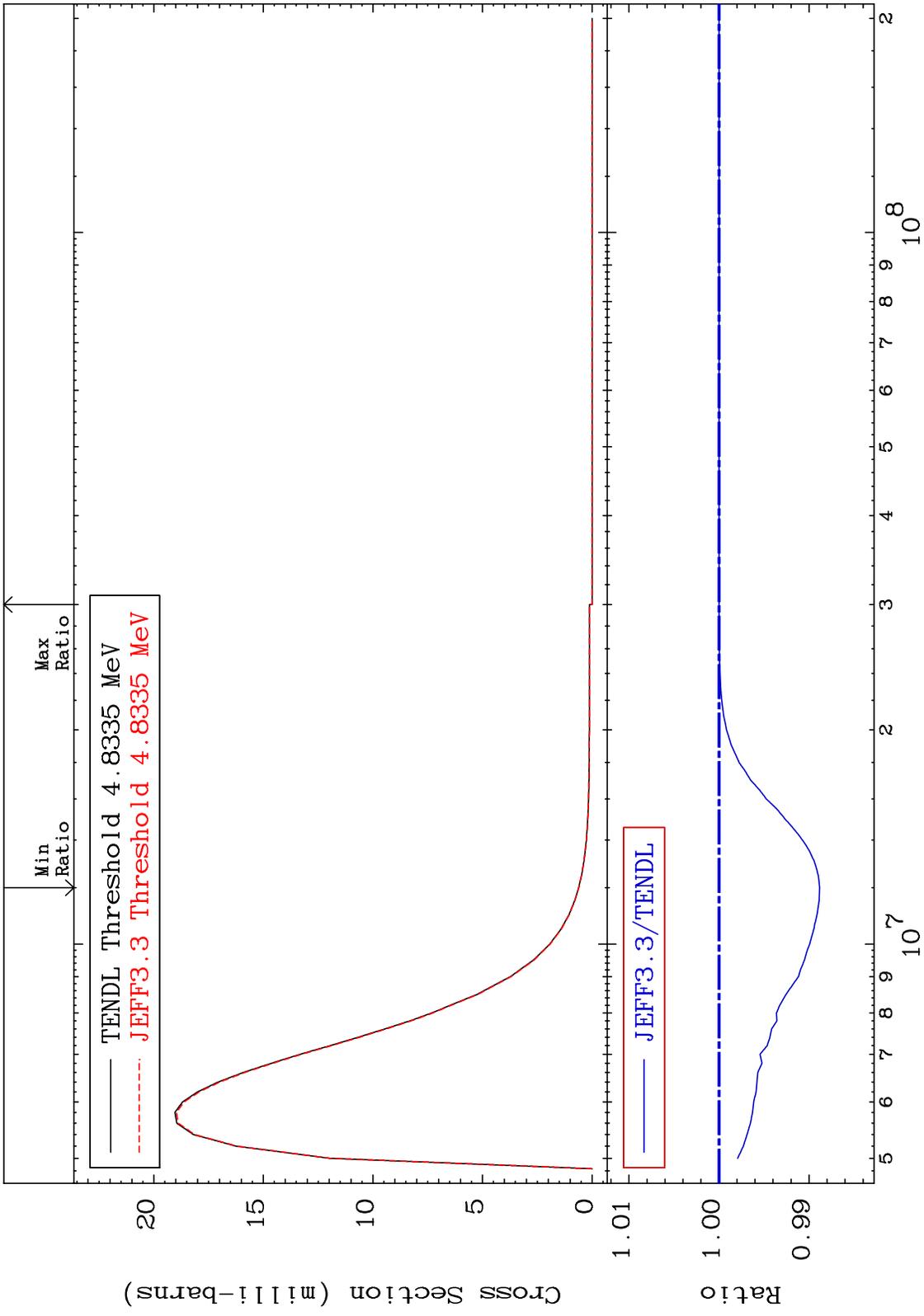
20-Ca-42  
-1.117 To 0.000 %



MAT 2031 MT= 79 (n,n') Level Cross Section -1.167 To 0.000 % 20-Ca-42



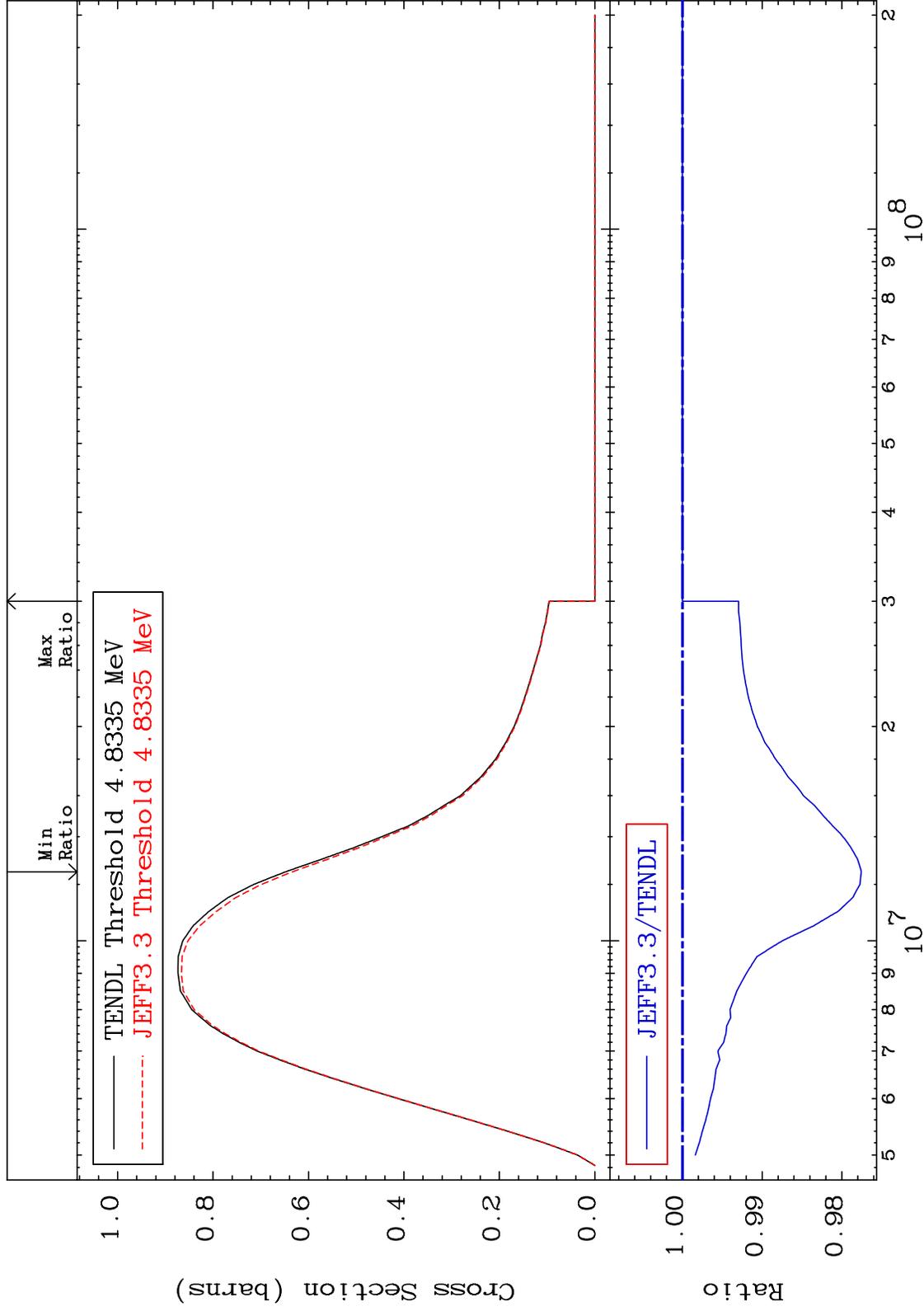
MAT 2031 MT= 80 (n,n') Level Cross Section -1.116 To 0.000 % 20-Ca-42



MAT 2031

(n, n') Continuum  
Cross Section

20-Ca-42  
-2.244 To 0.000 %

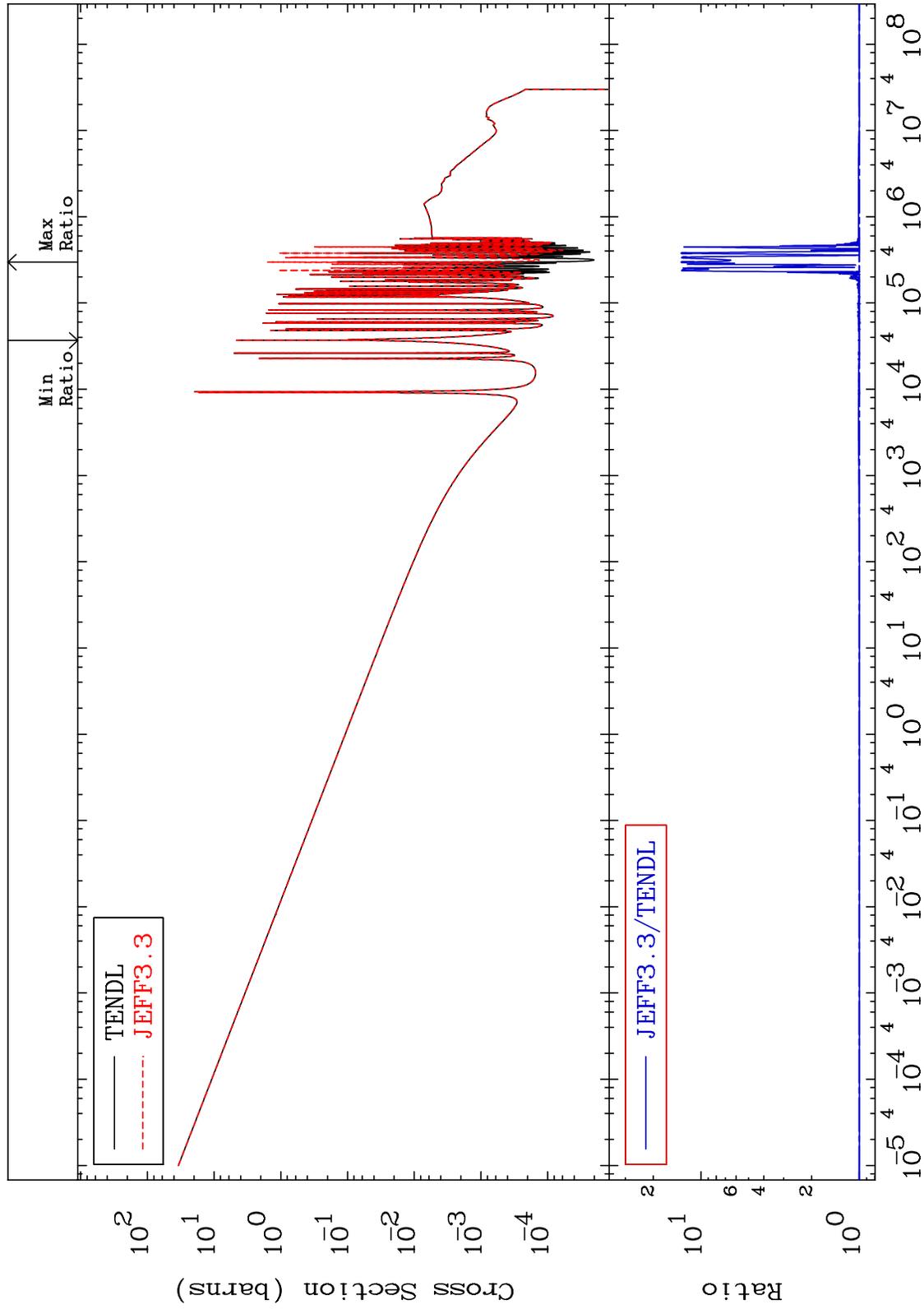


MAT 2031

(n,  $\gamma$ )

Cross Section

20-Ca-42  
-0.908 To 1227. %

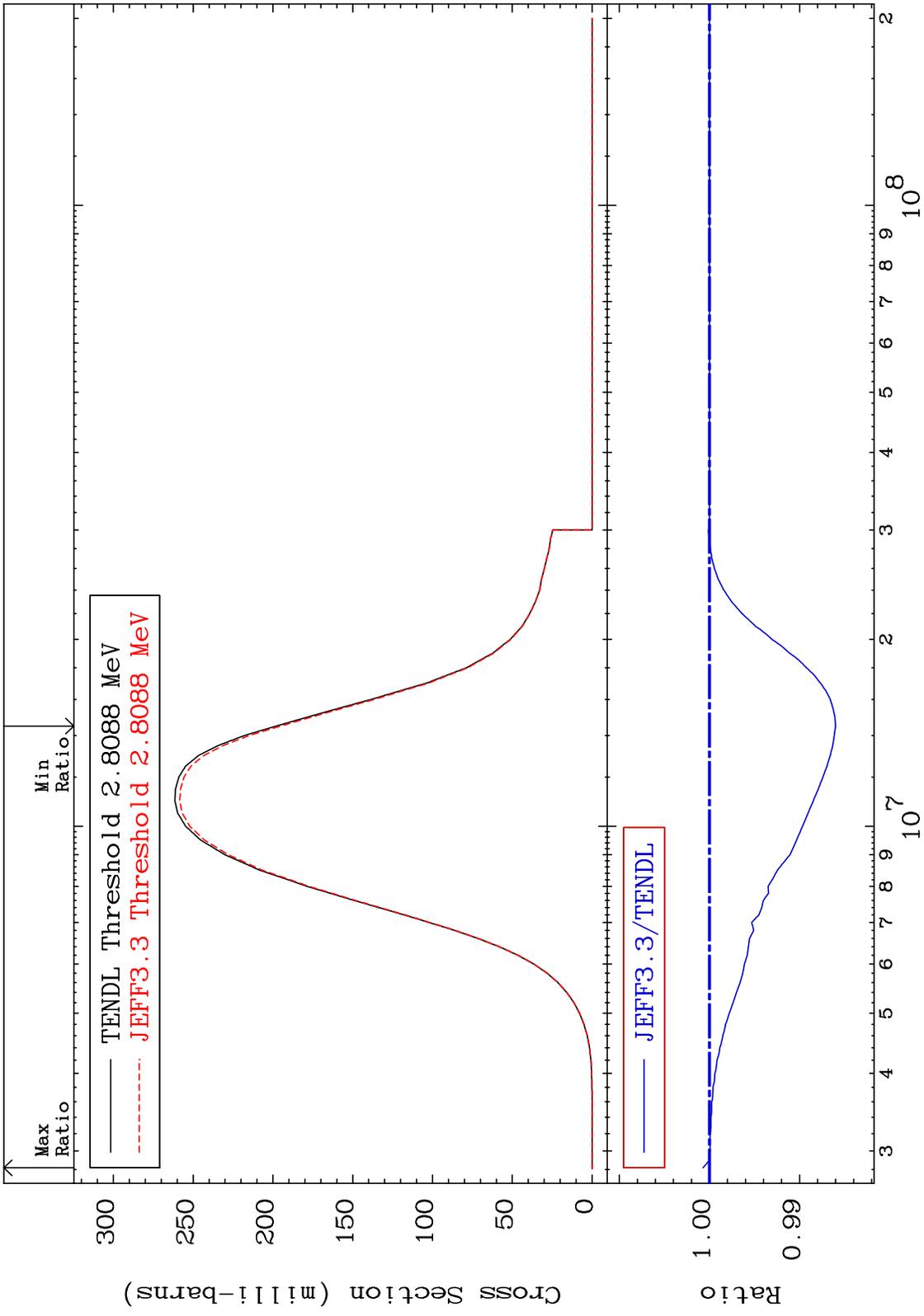


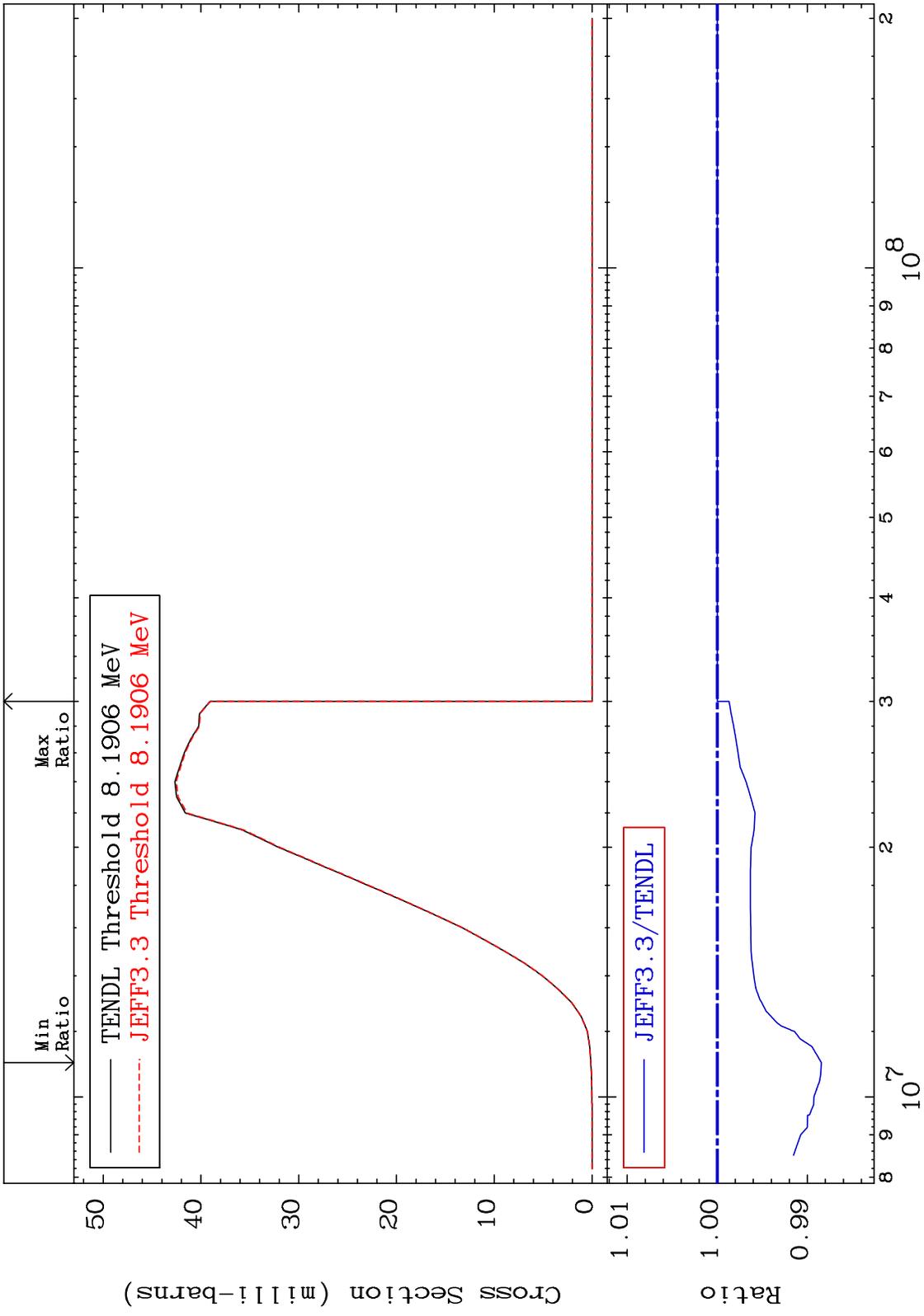
49

Incident Energy (eV)

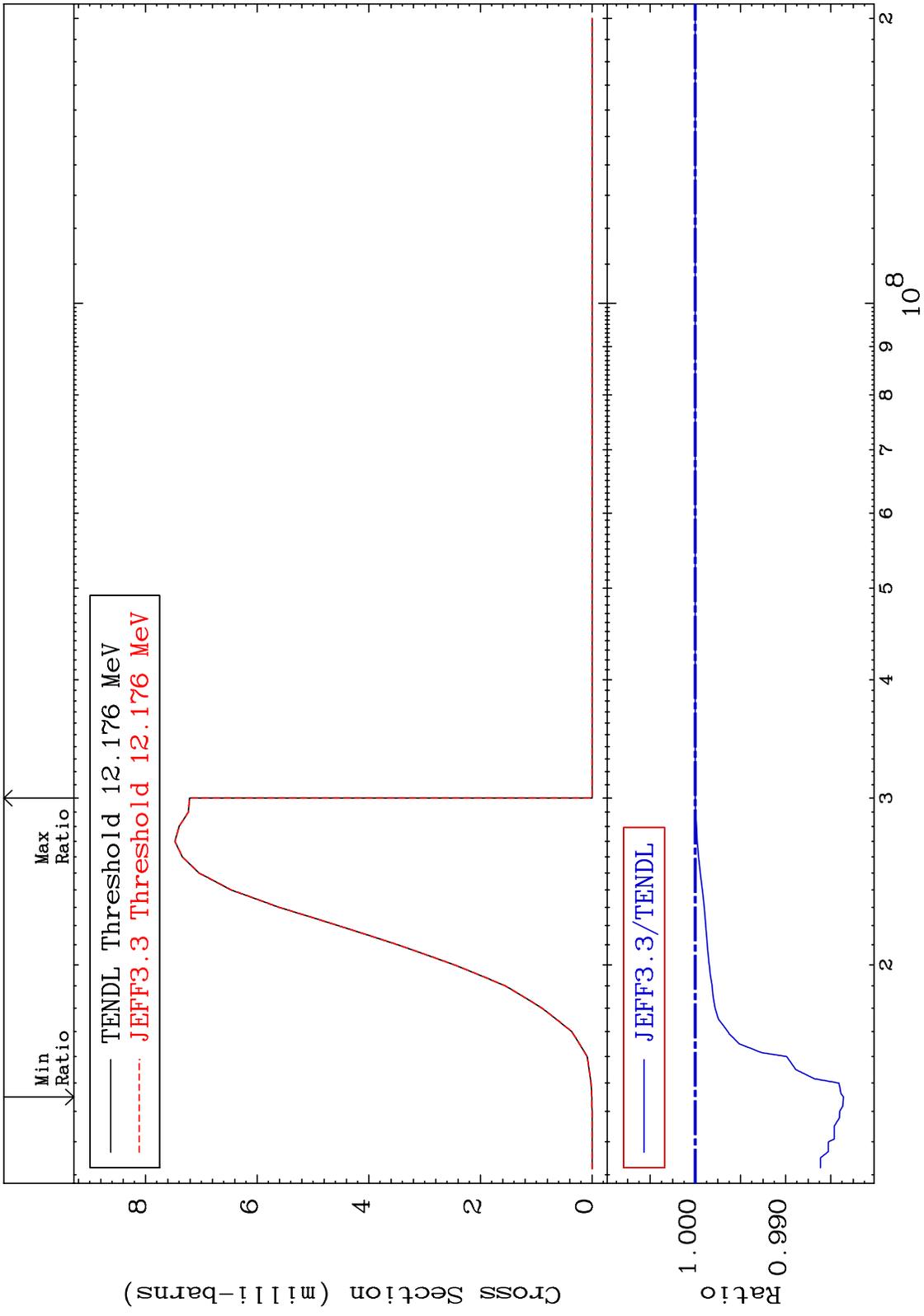
20-Ca-42

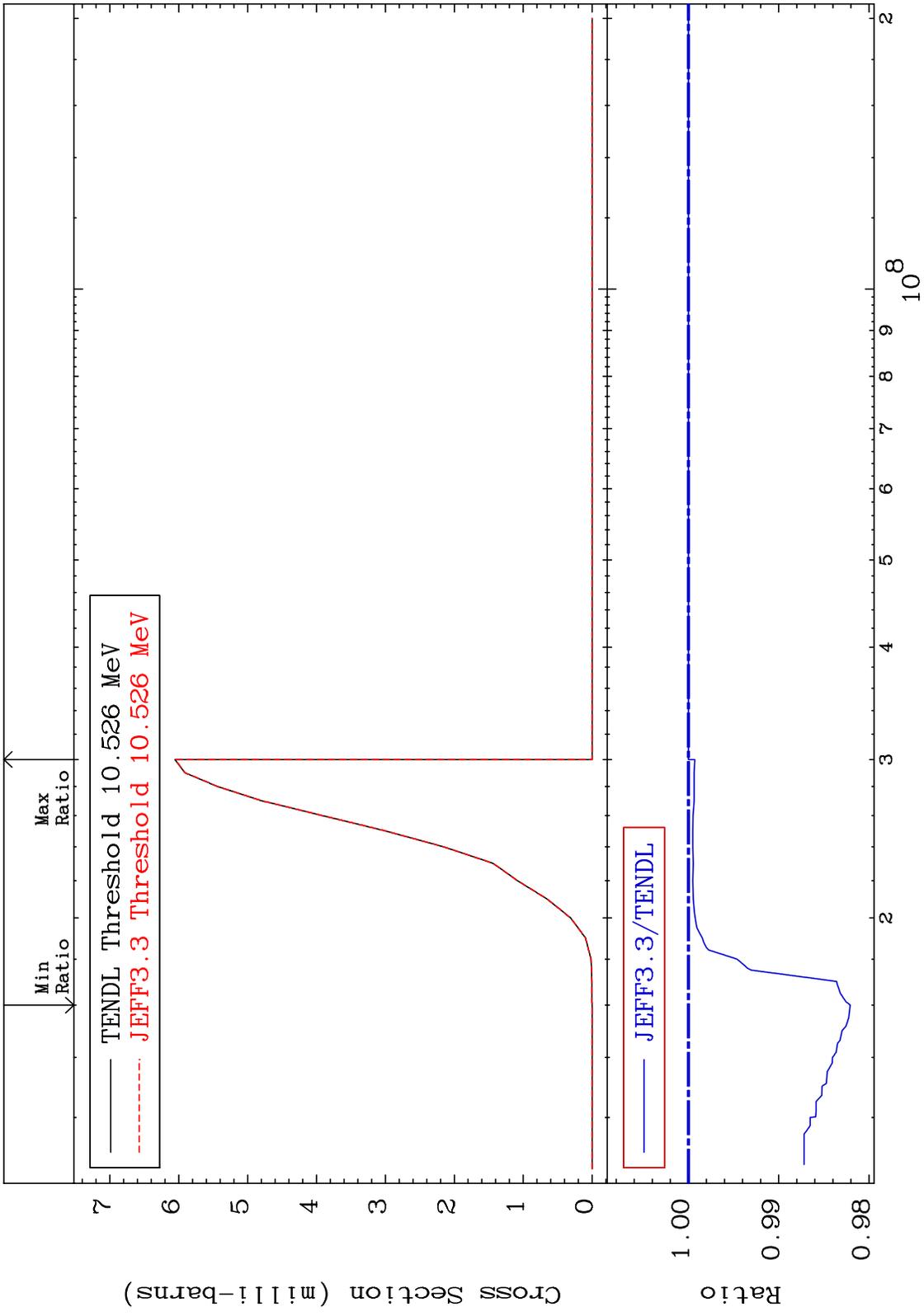
MAT 2031 (n,p) Cross Section 20-Ca-42 -1.399 To 0.071 %

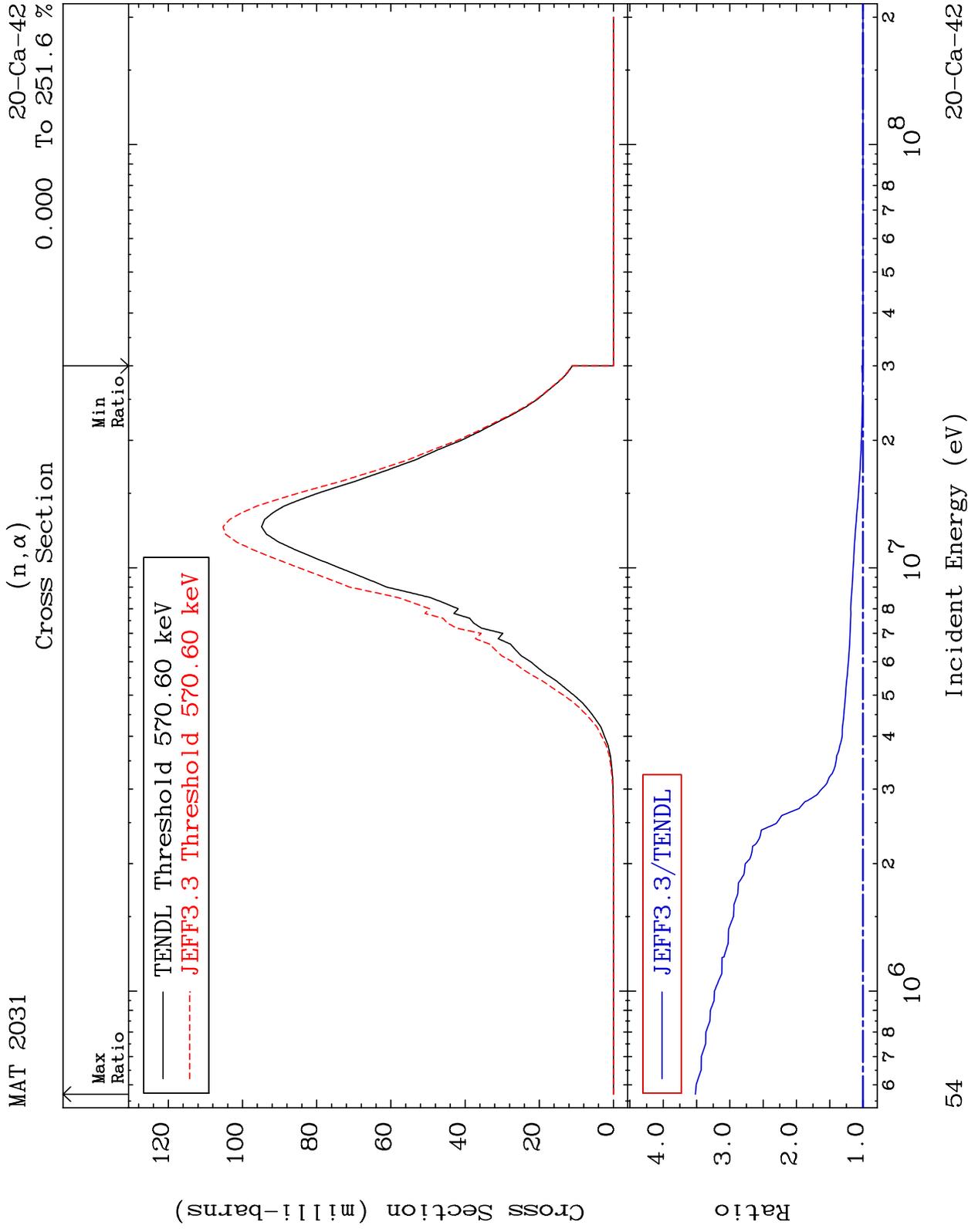


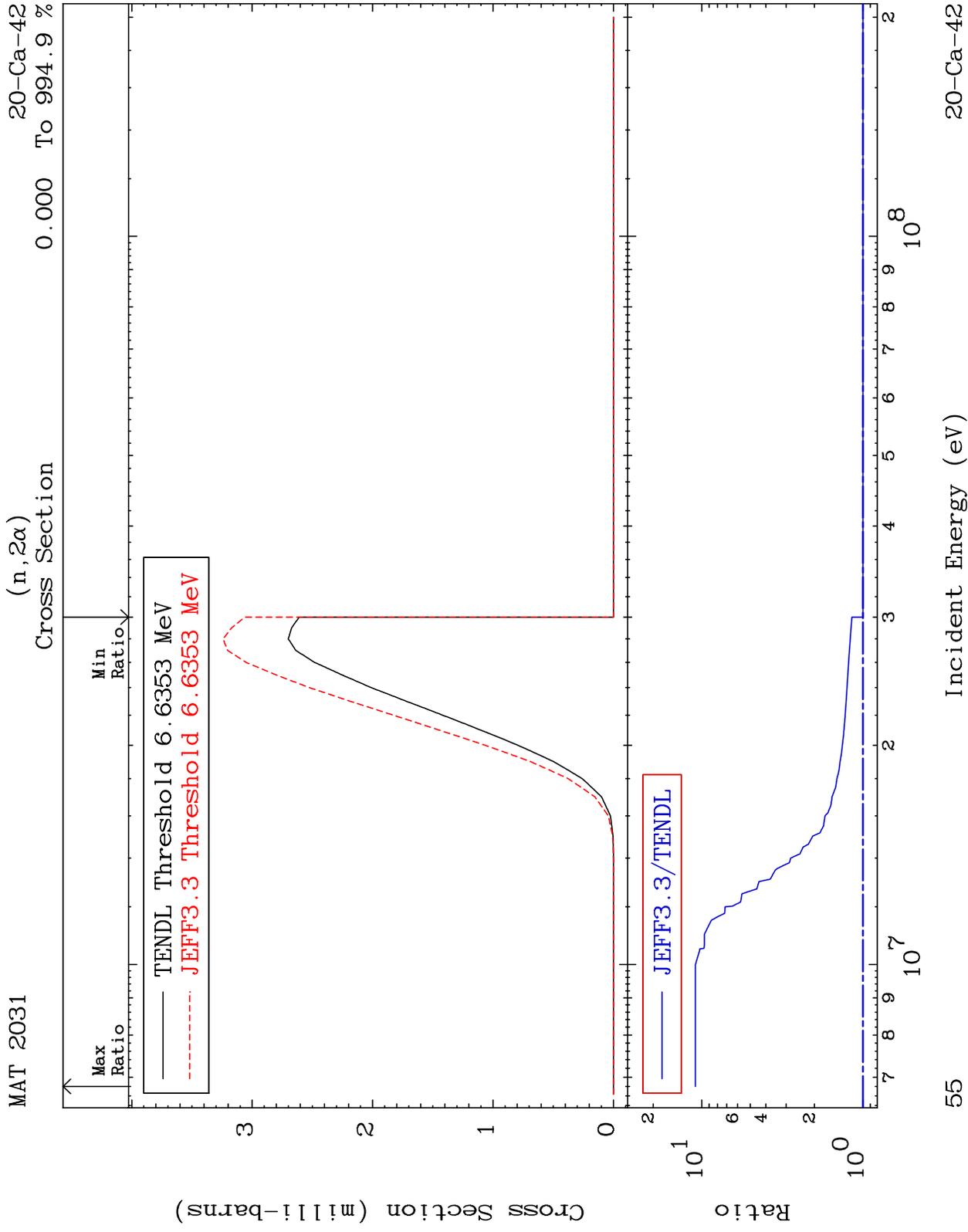


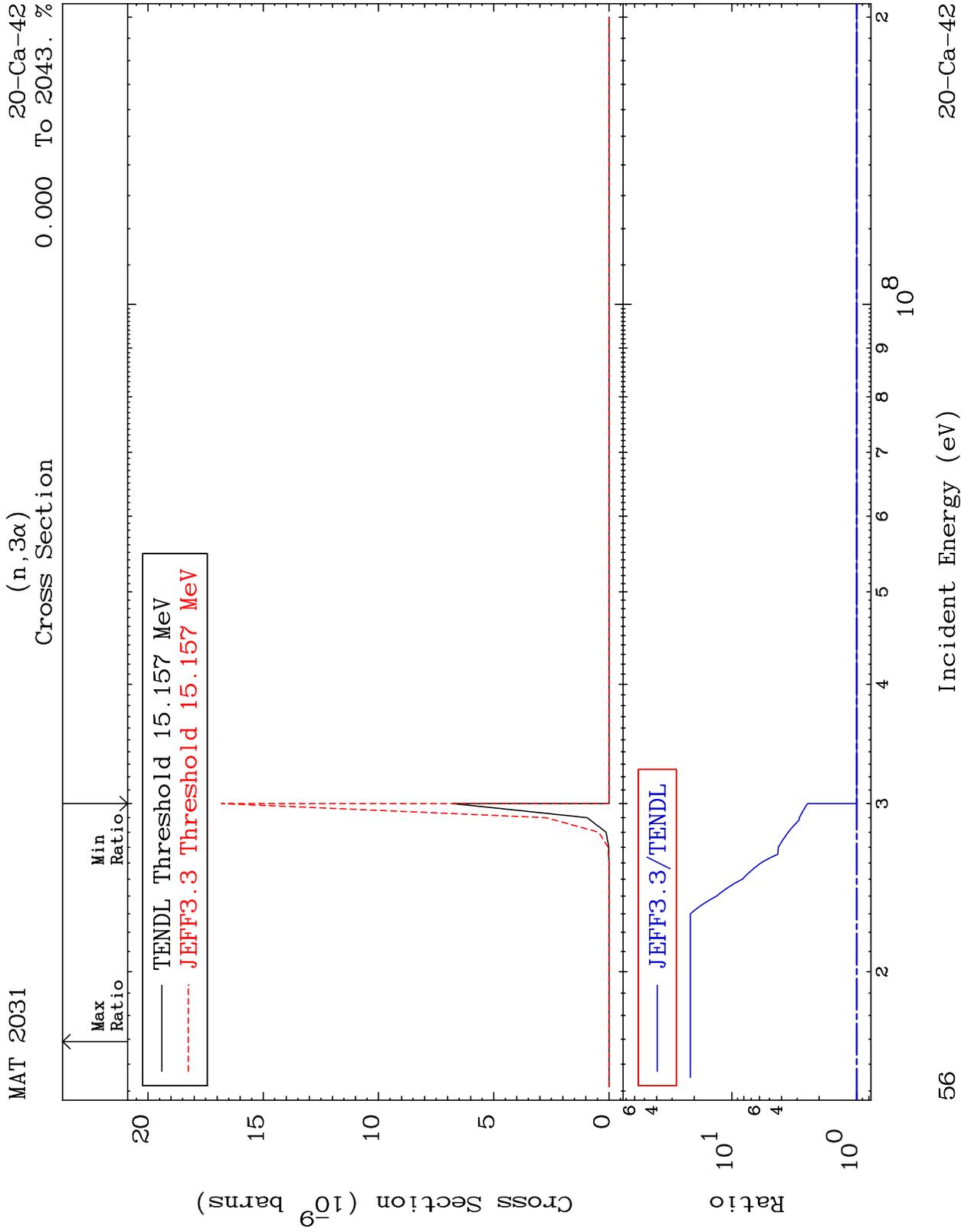
MAT 2031 (n,t) Cross Section 20-Ca-42 -1.641 To 0.002 %



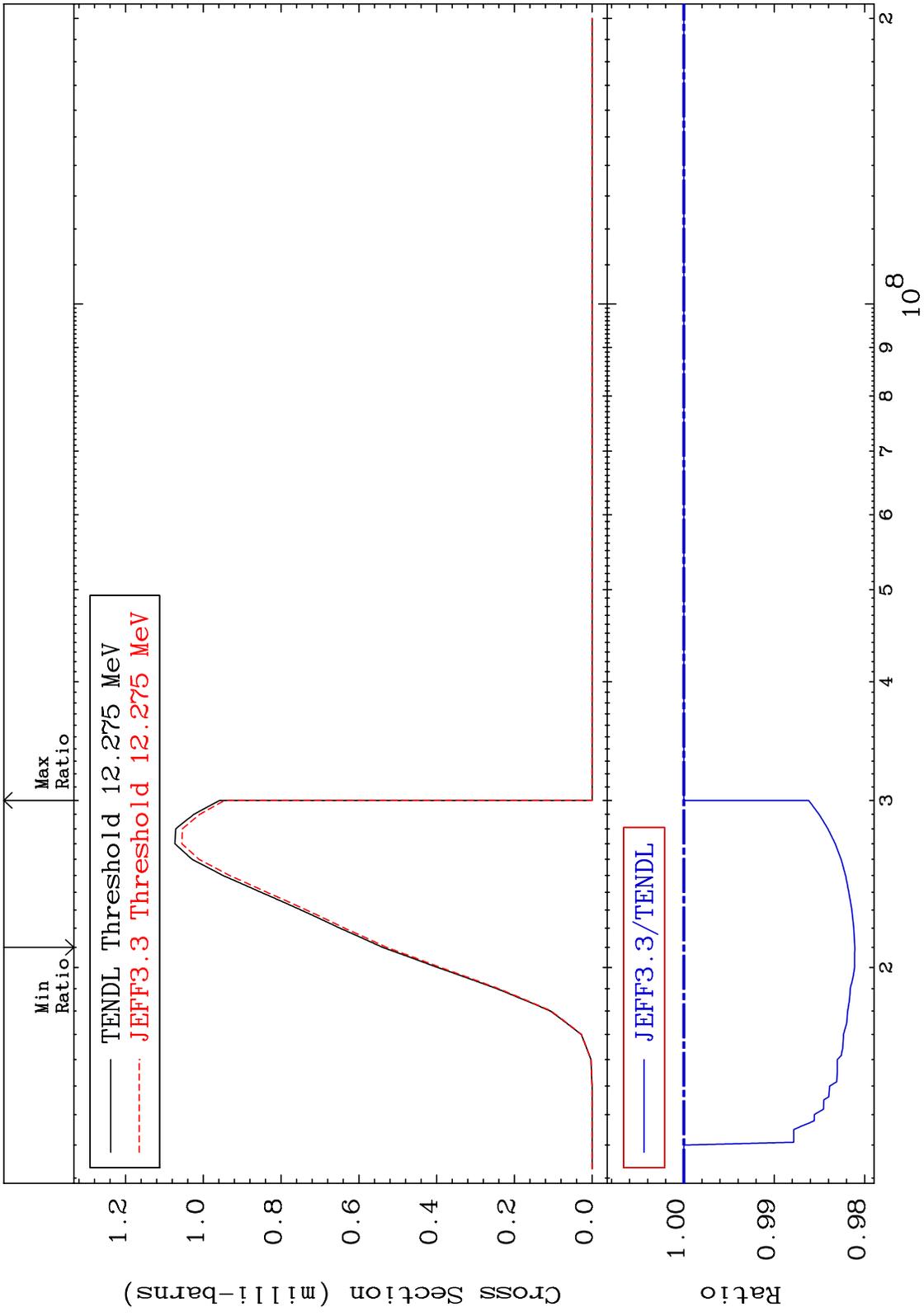




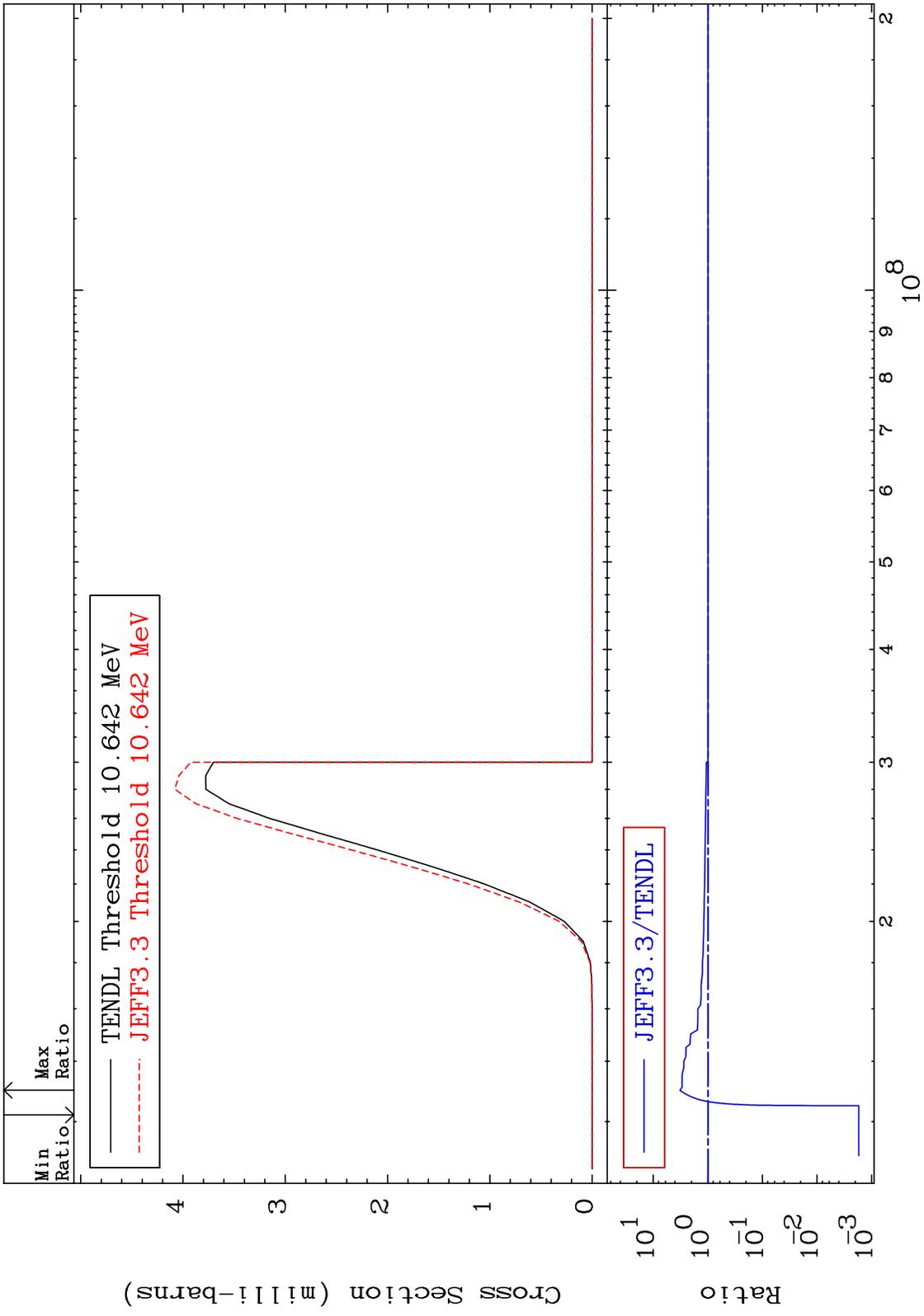




MAT 2031 (n,2p) Cross Section 20-Ca-42  
 -1.891 To 0.000 %

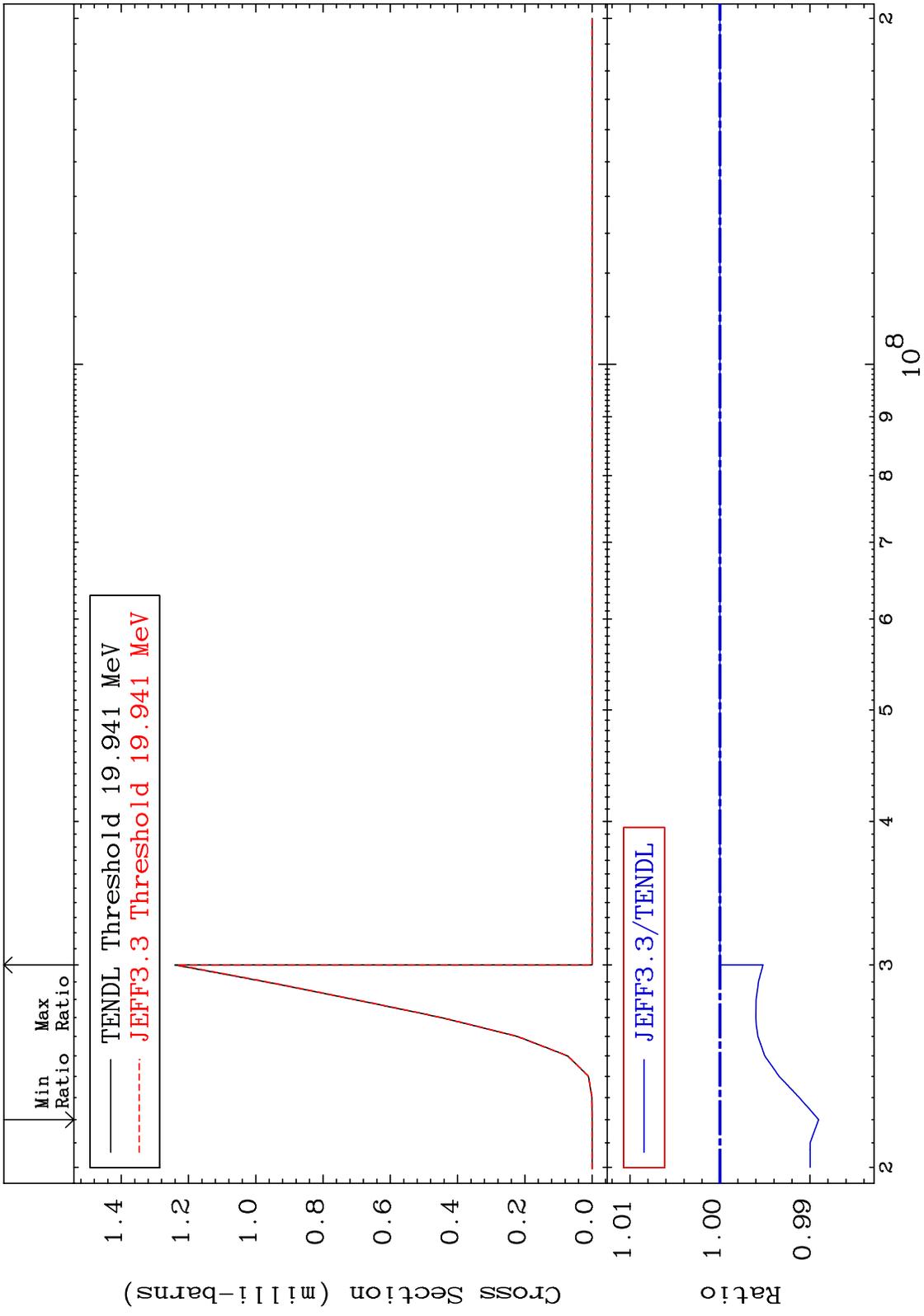


MAT 2031 (n,p)  $\alpha$  20-Ca-42  
 Cross Section -99.83 To 226.9 %



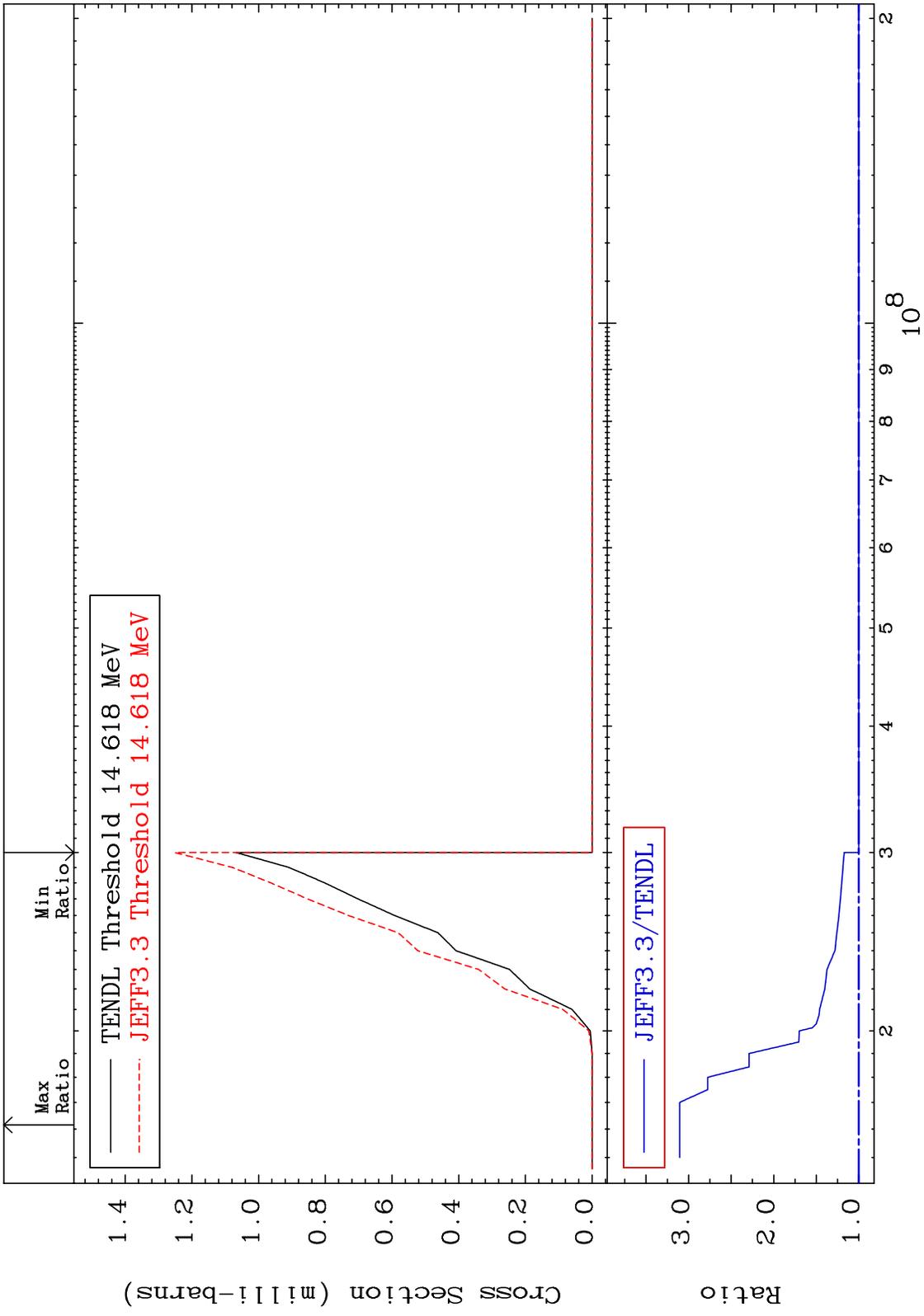


MAT 2031 (n,p) t 20-Ca-42  
 Cross Section -1.096 To 0.000 %

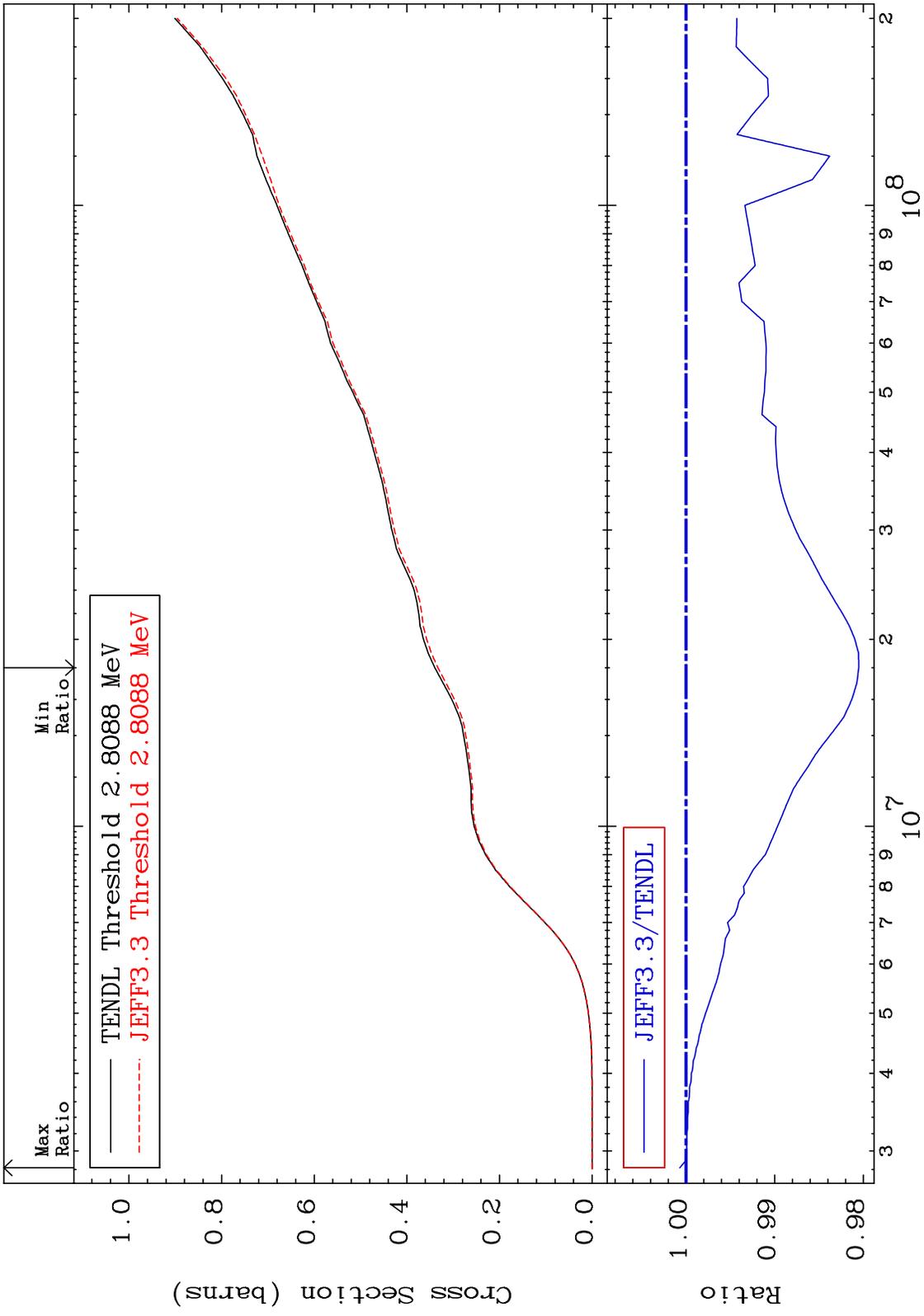


60 Incident Energy (eV) 20-Ca-42

MAT 2031 (n,d)  $\alpha$  20-Ca-42  
 Cross Section 0.000 To 210.4 %



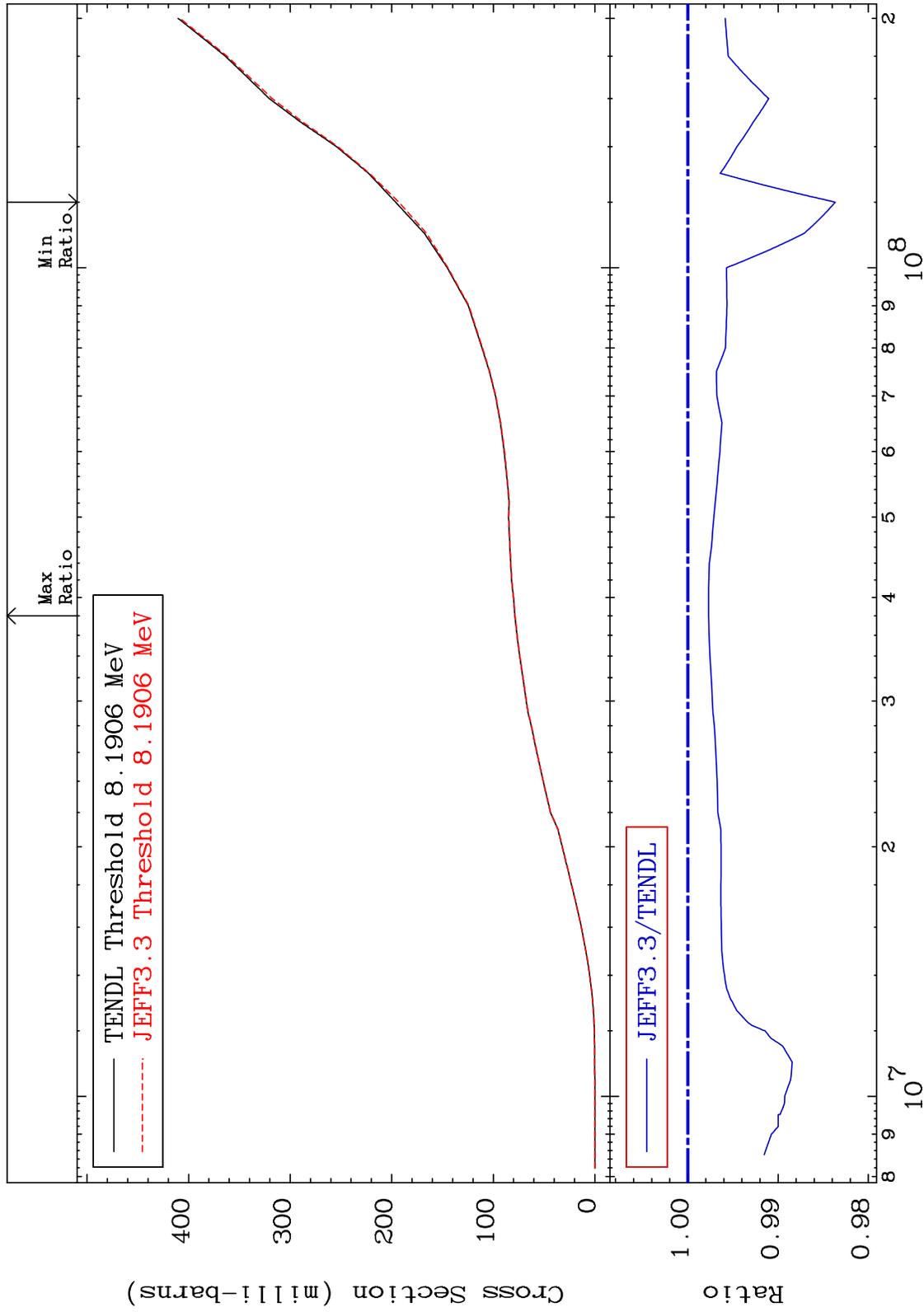
MAT 2031 Hydrogen Production Cross Section 20-Ca-42  
 -1.949 To 0.071 %



MAT 2031

Deuterium Production  
Cross Section

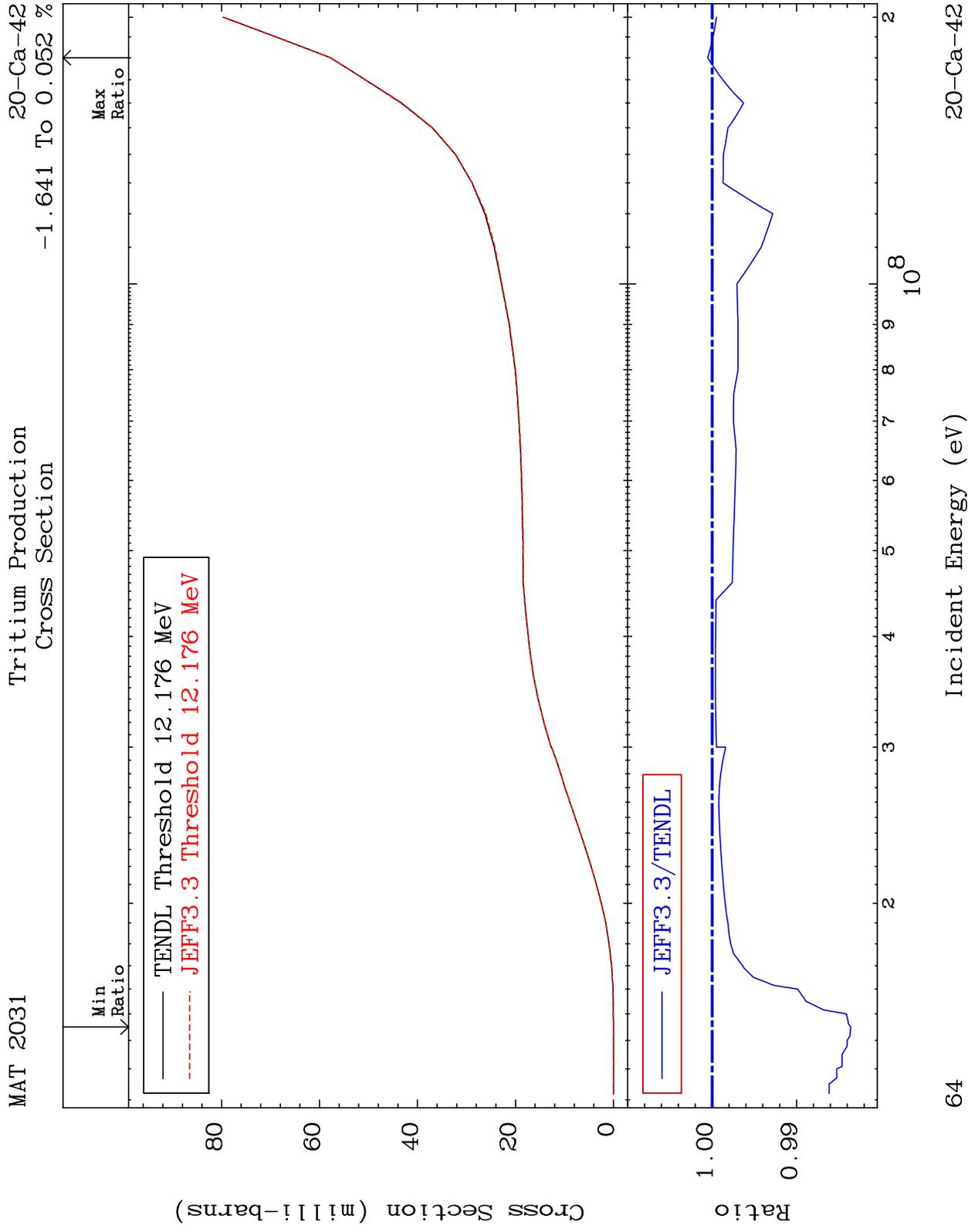
20-Ca-42  
-1.633 To -0.230%



63

Incident Energy (eV)

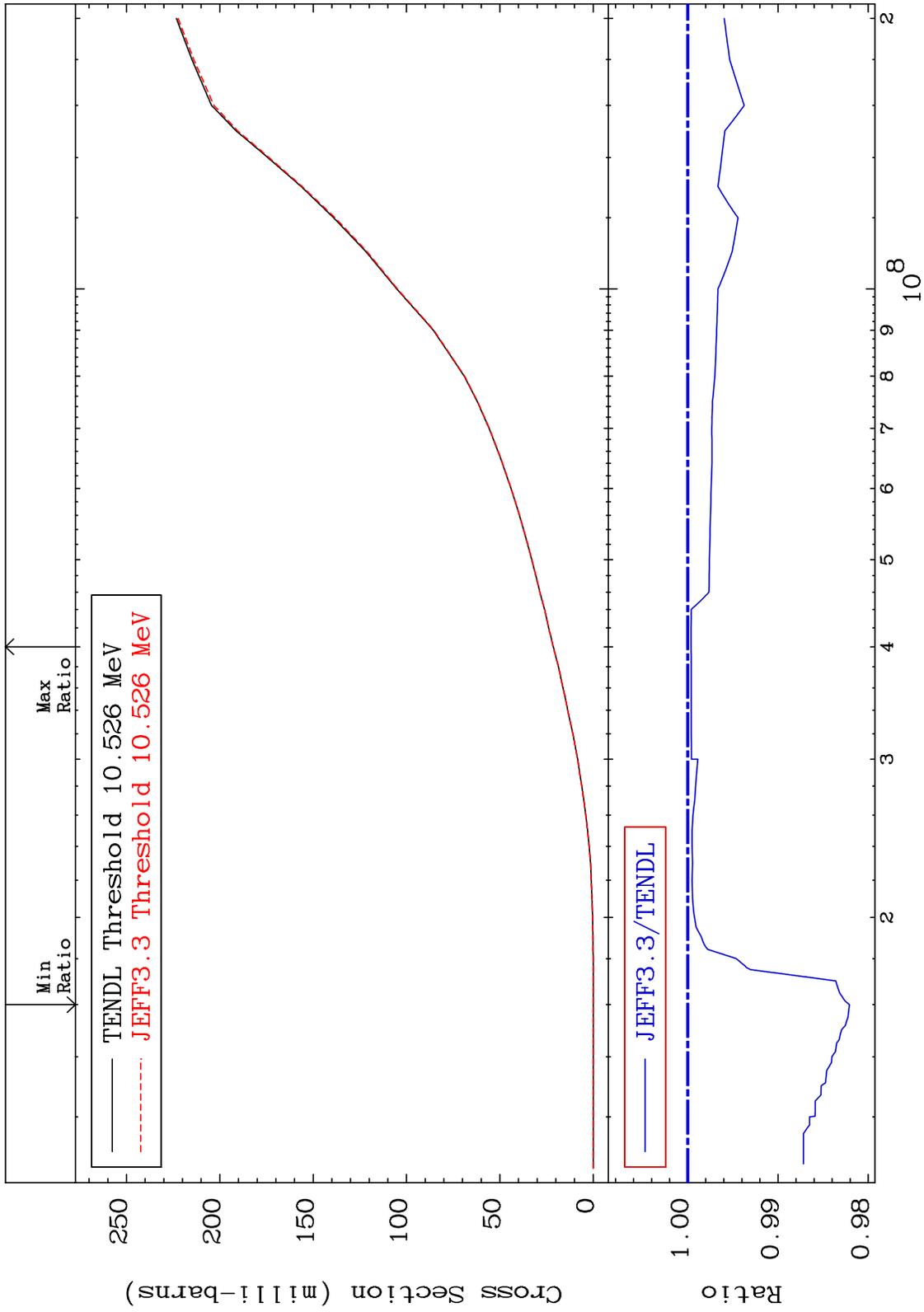
20-Ca-42



MAT 2031

He-3 Production  
Cross Section

20-Ca-42  
-1.791 To -0.037%

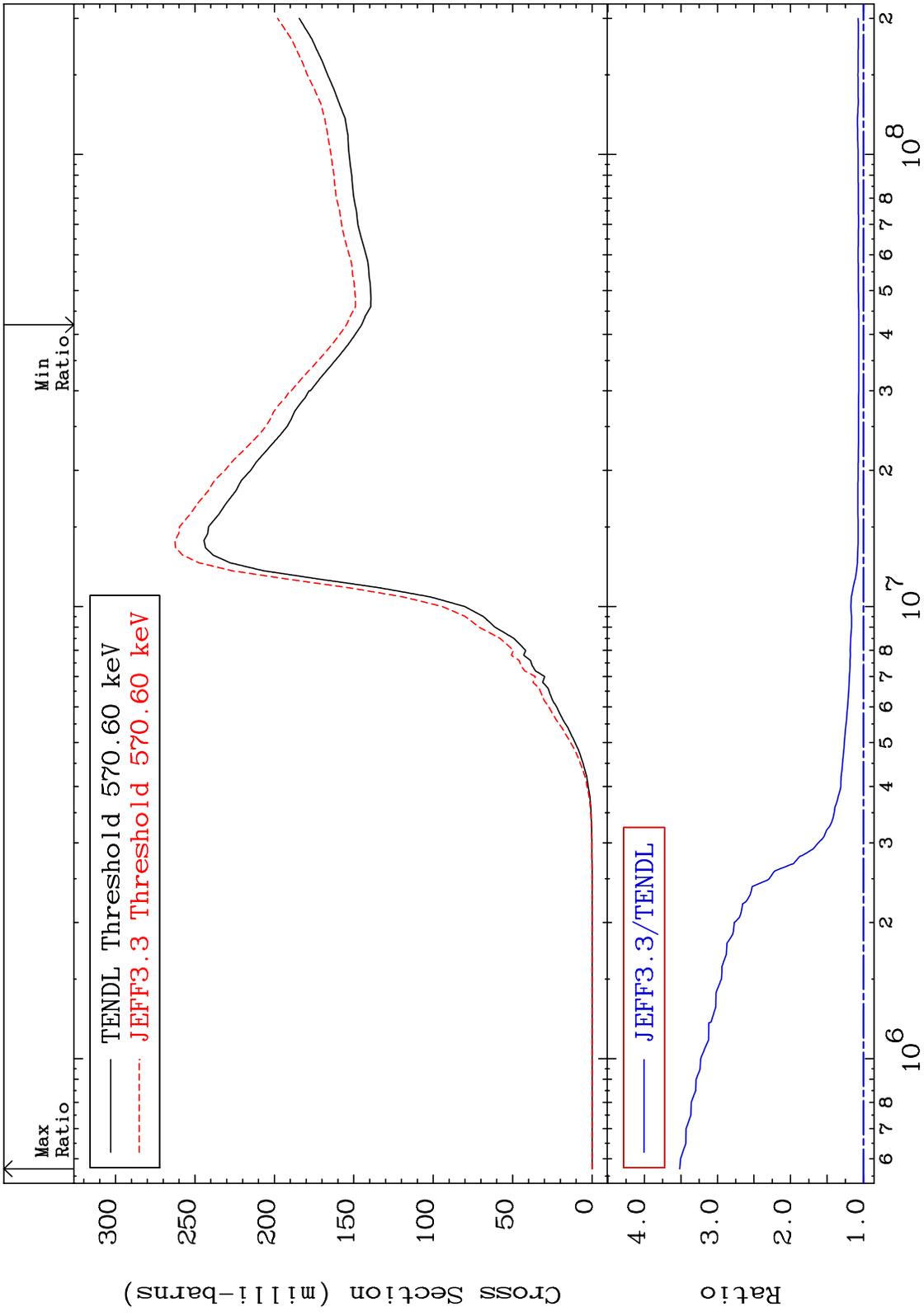


65

Incident Energy (eV)

20-Ca-42

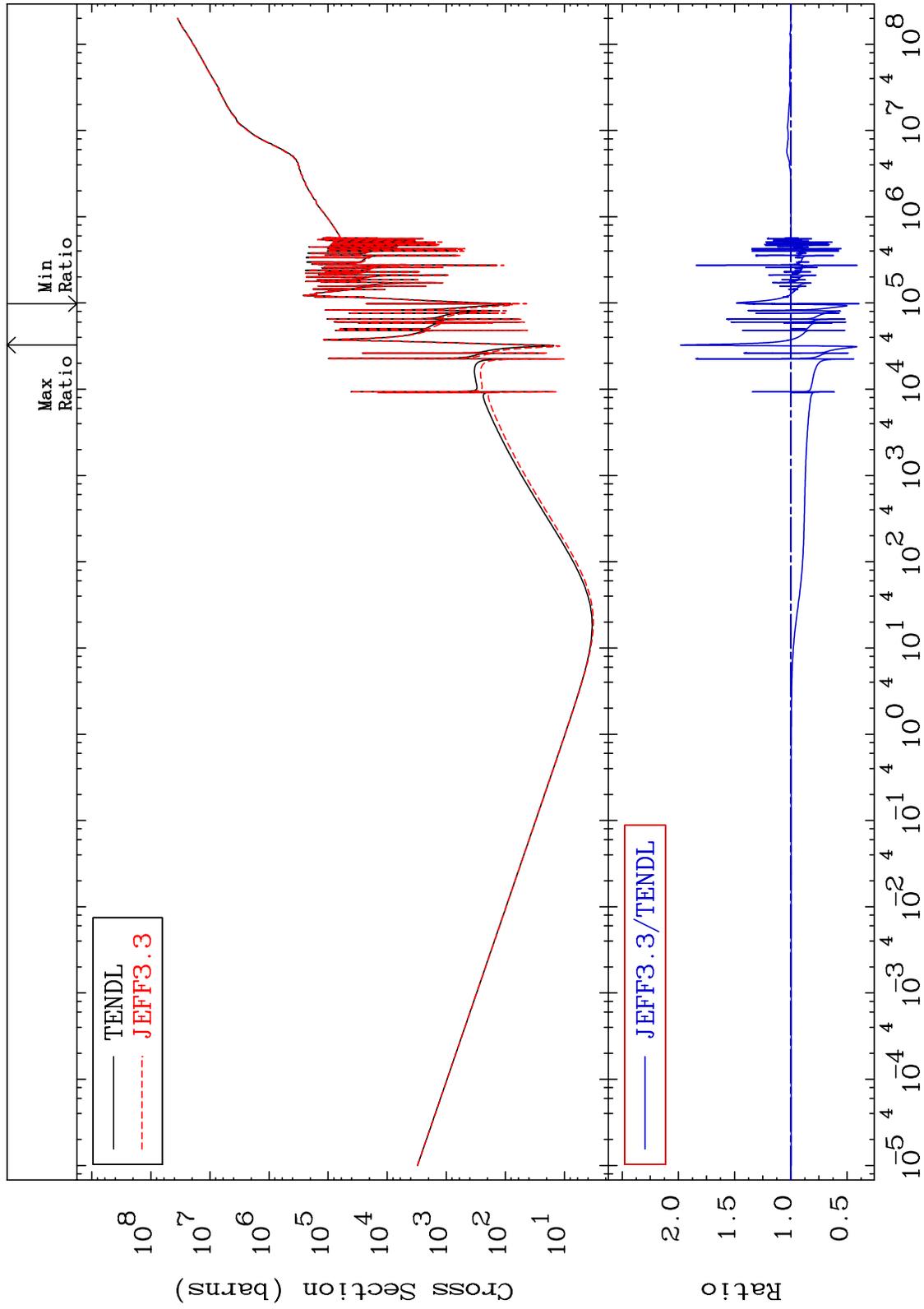
MAT 2031 He-4 Production Cross Section 20-Ca-42 To 251.6 %



MAT 2031

Kerma total (eV-barns)  
Cross Section

20-Ca-42  
-60.66 To 98.04 %



67

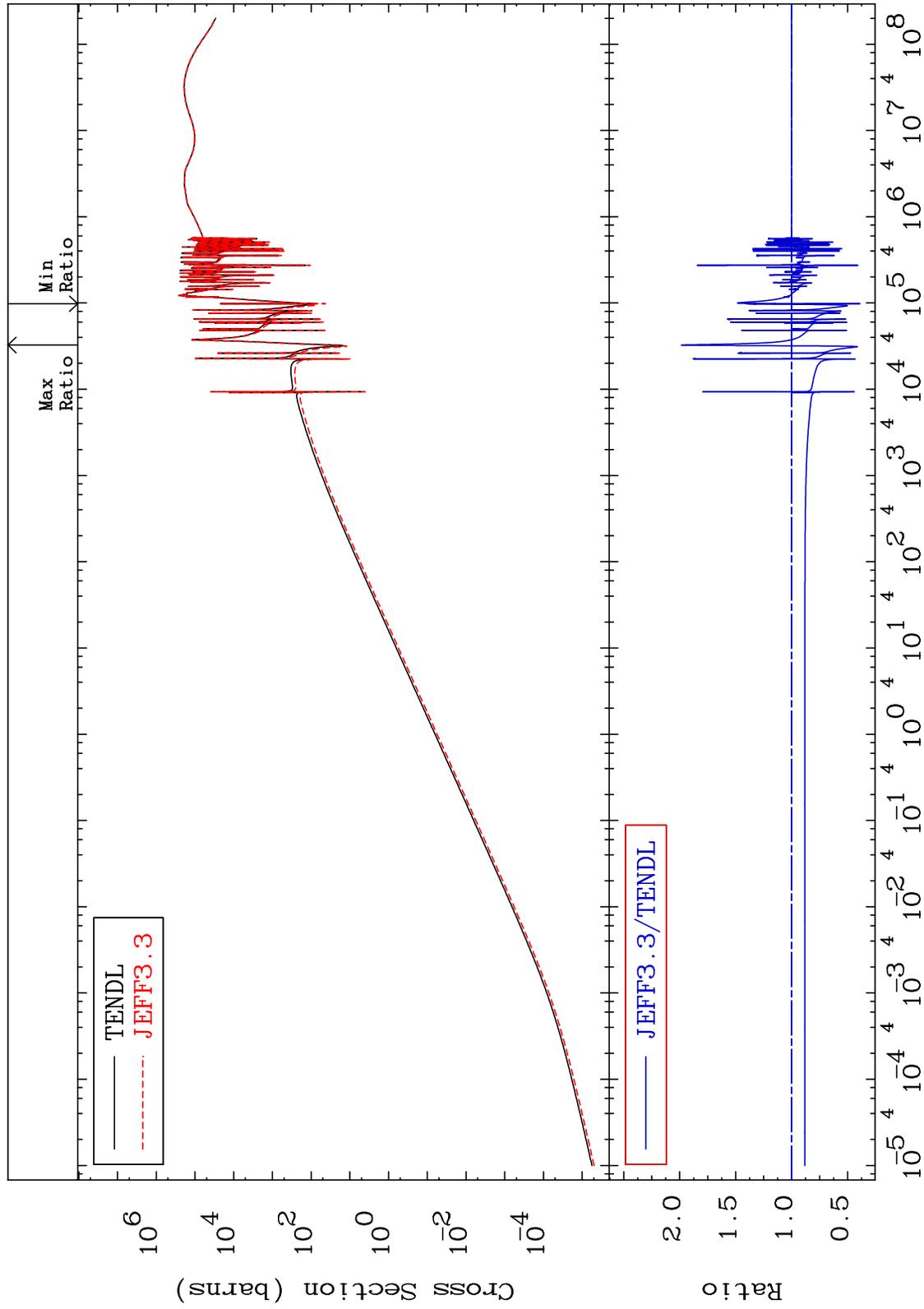
Incident Energy (eV)

20-Ca-42

MAT 2031

Kerma elastic  
Cross Section

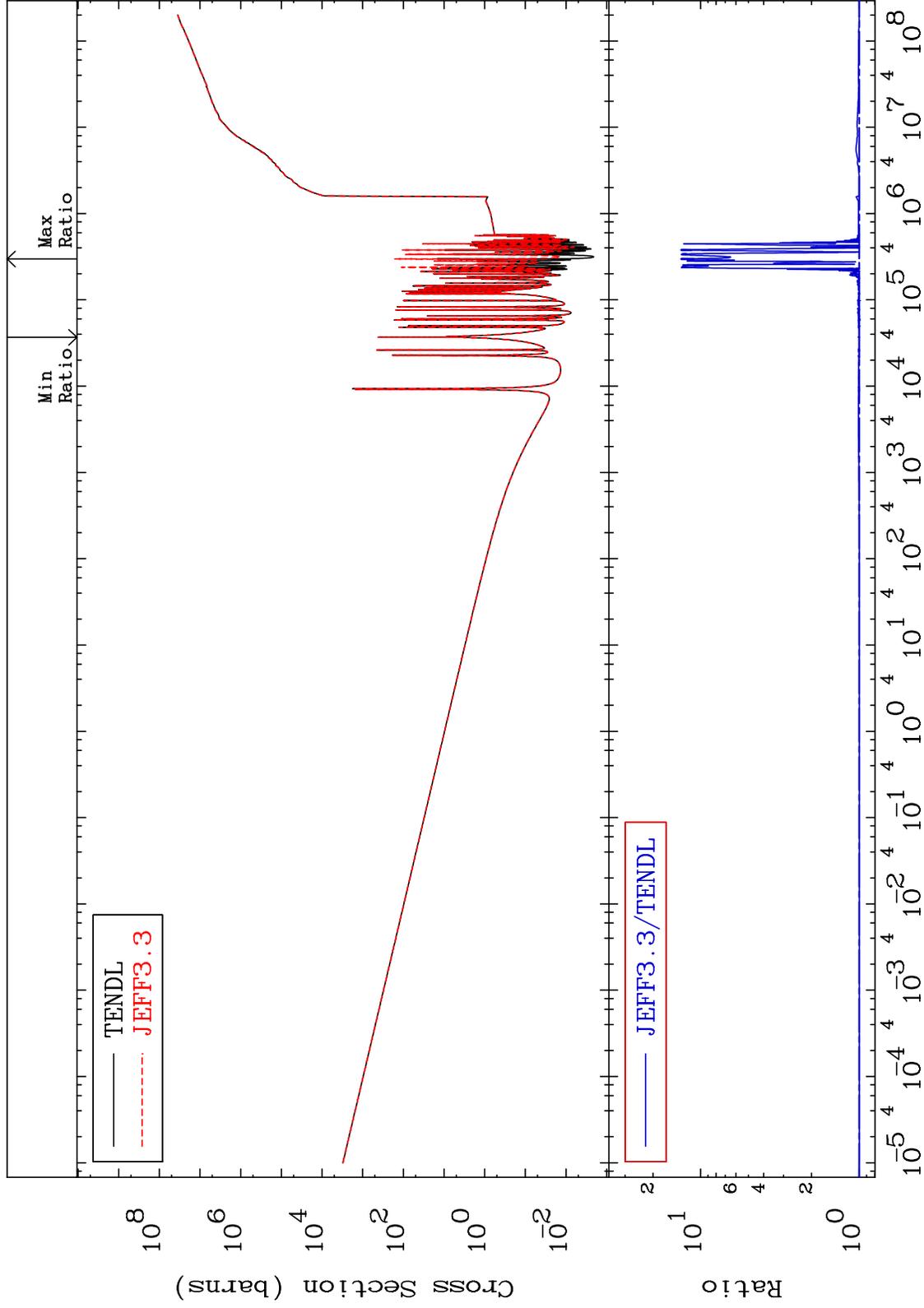
20-Ca-42  
-61.01 To 98.47 %



MAT 2031

Kerma non-elastic (all but mt2)  
Cross Section

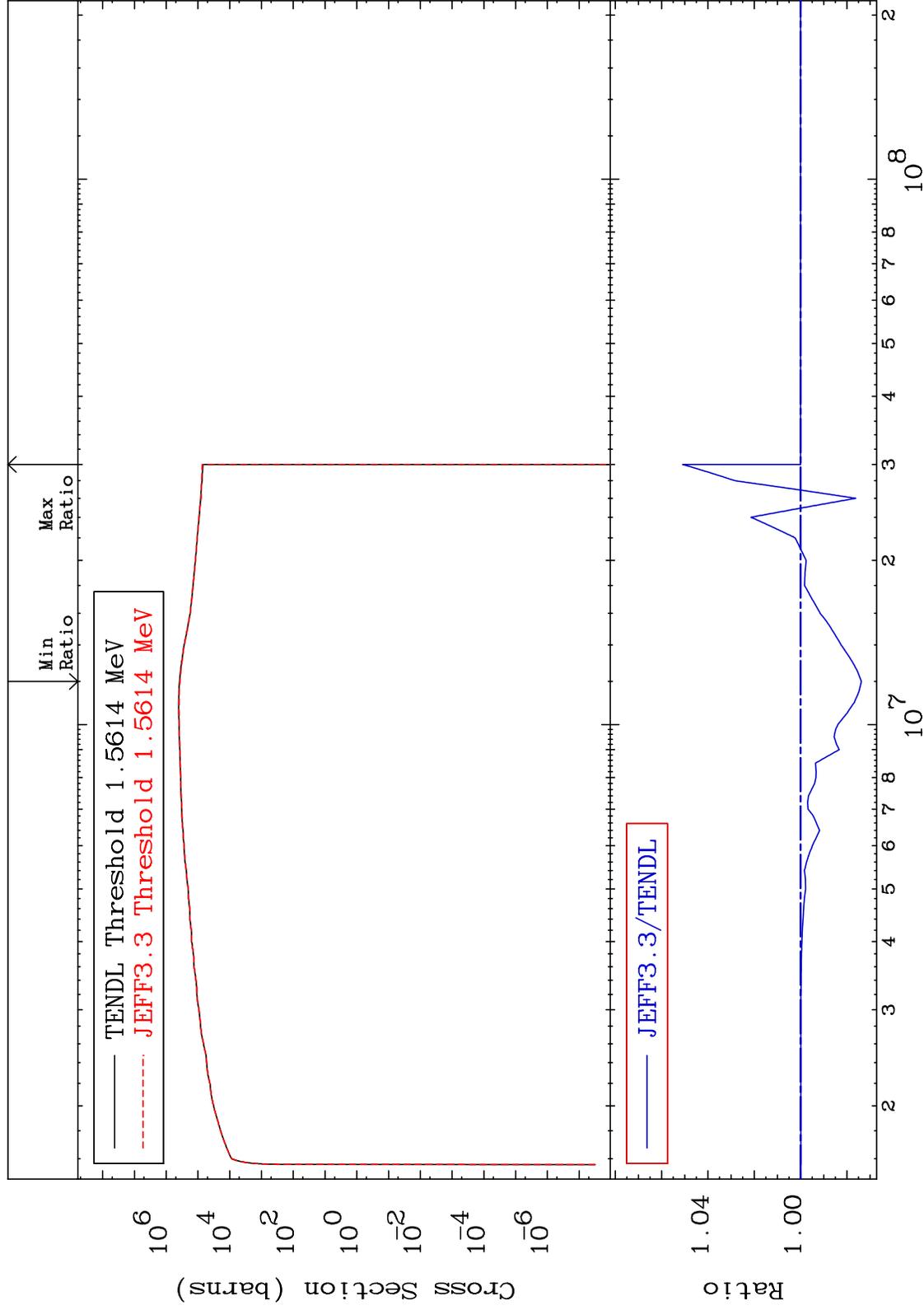
20-Ca-42  
-0.914 To 1227. %



MAT 2031

Kerma inelastic (mt51-91)  
Cross Section

20-Ca-42  
-2.621 To 5.093 %



70

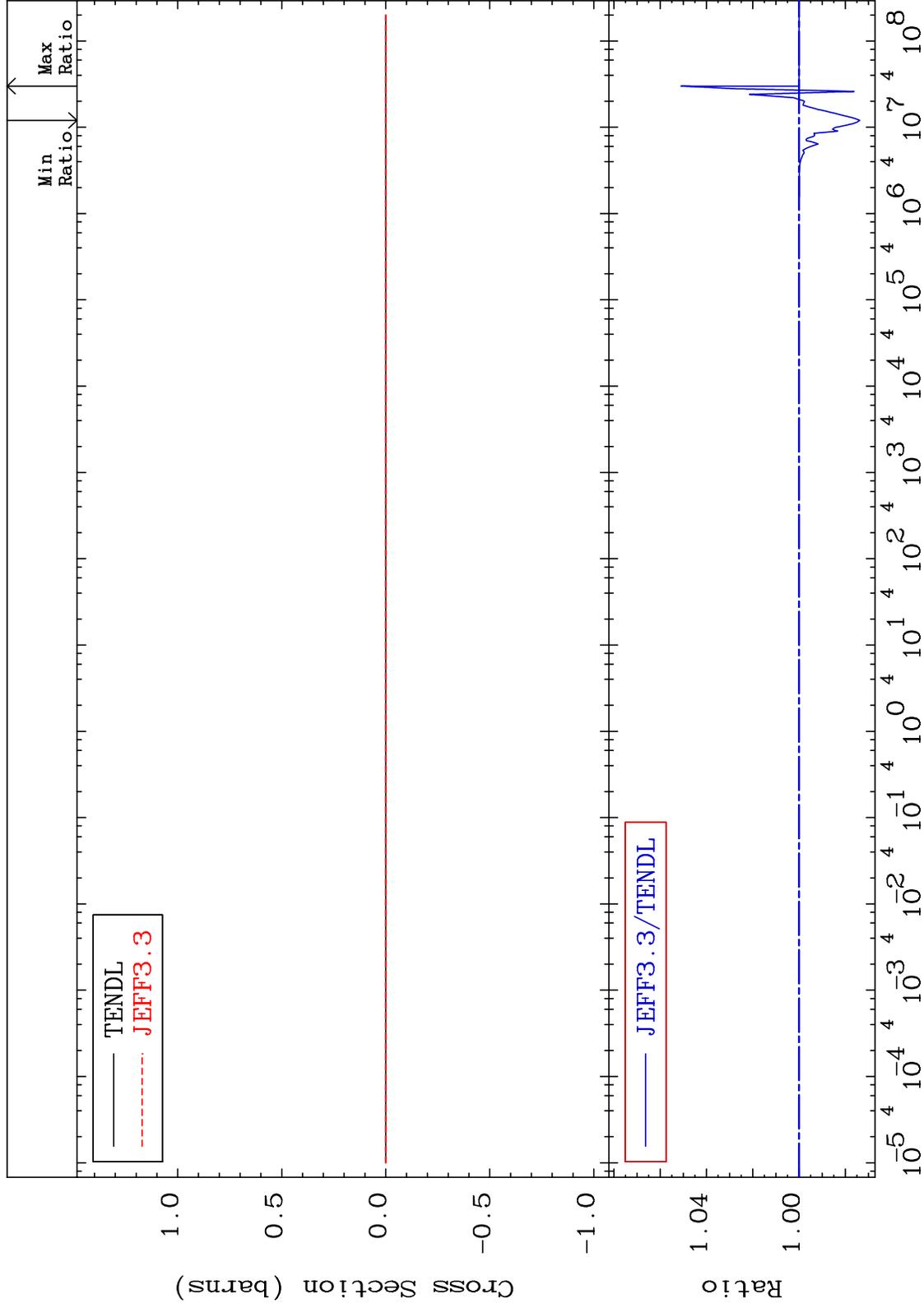
Incident Energy (eV)

20-Ca-42

MAT 2031

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

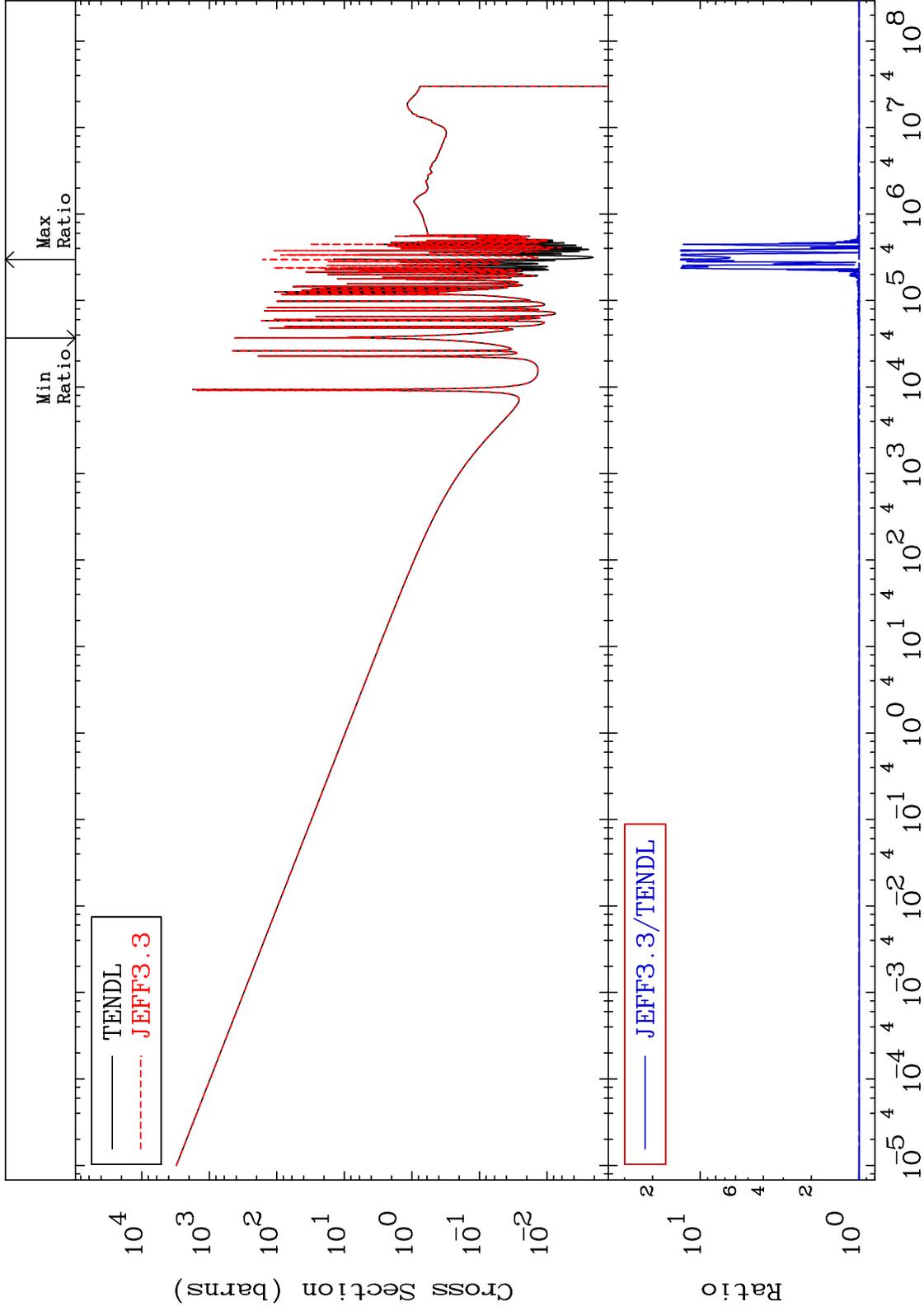
20-Ca-42  
-2.621 To 5.093 %



MAT 2031

Kerma capture (mt102)  
Cross Section

20-Ca-42  
-0.914 To 1227. %



72

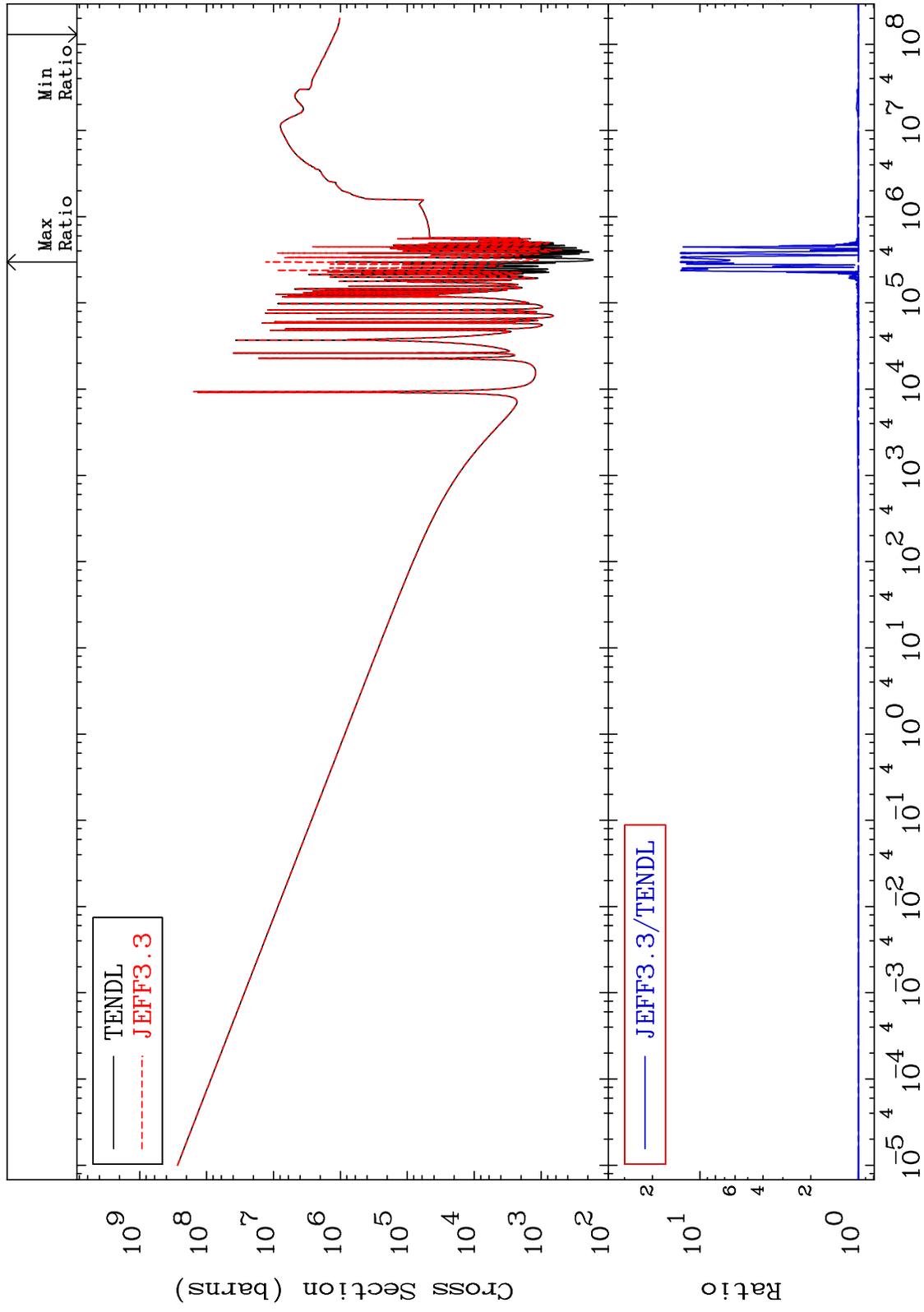
Incident Energy (eV)

20-Ca-42

MAT 2031

Total photon (eV-barns)  
Cross Section

20-Ca-42  
-1.020 To 1227. %



73

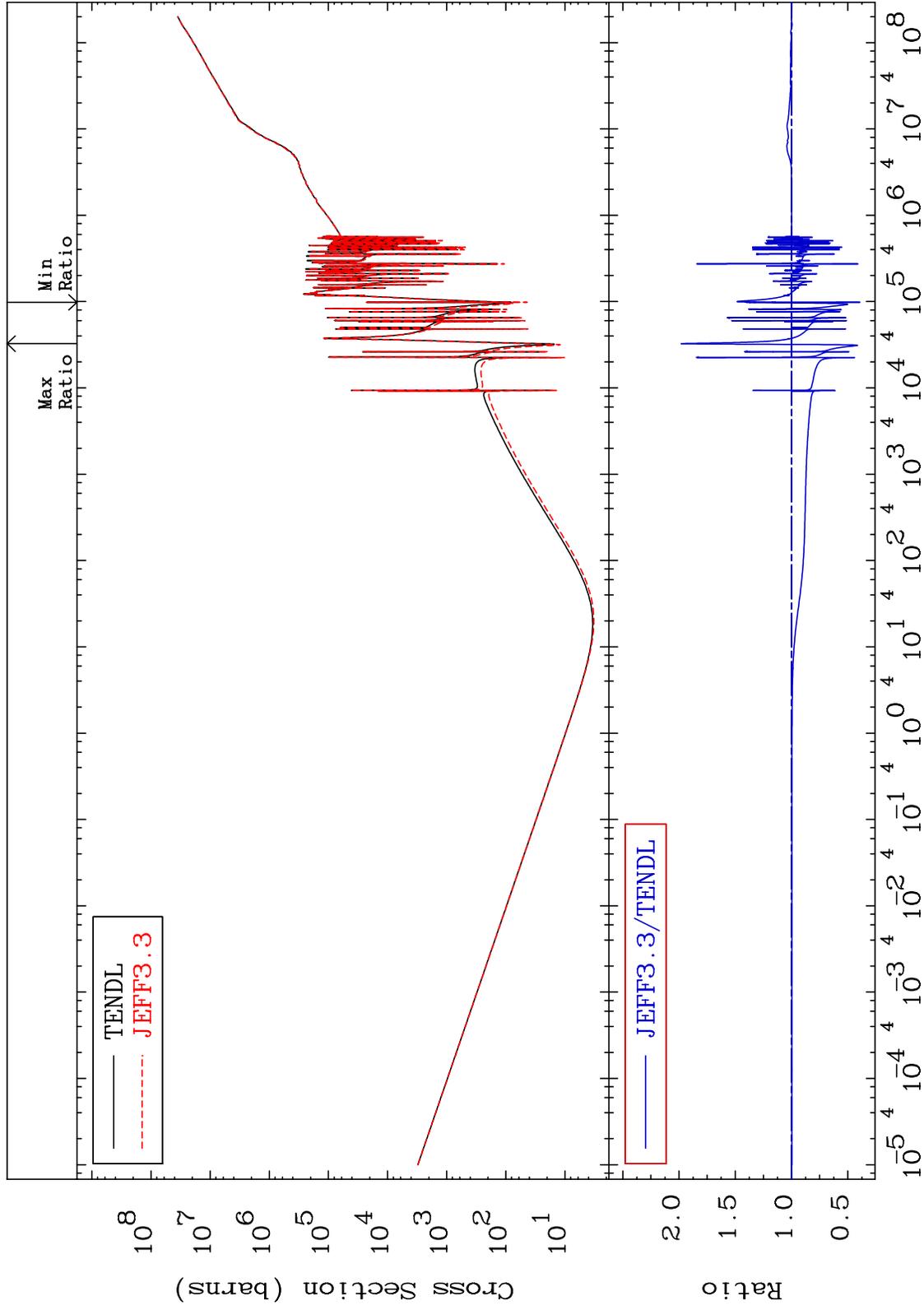
Incident Energy (eV)

20-Ca-42

MAT 2031

Total kinematic kerma (high limit)  
Cross Section

20-Ca-42  
-60.66 To 98.04 %



74

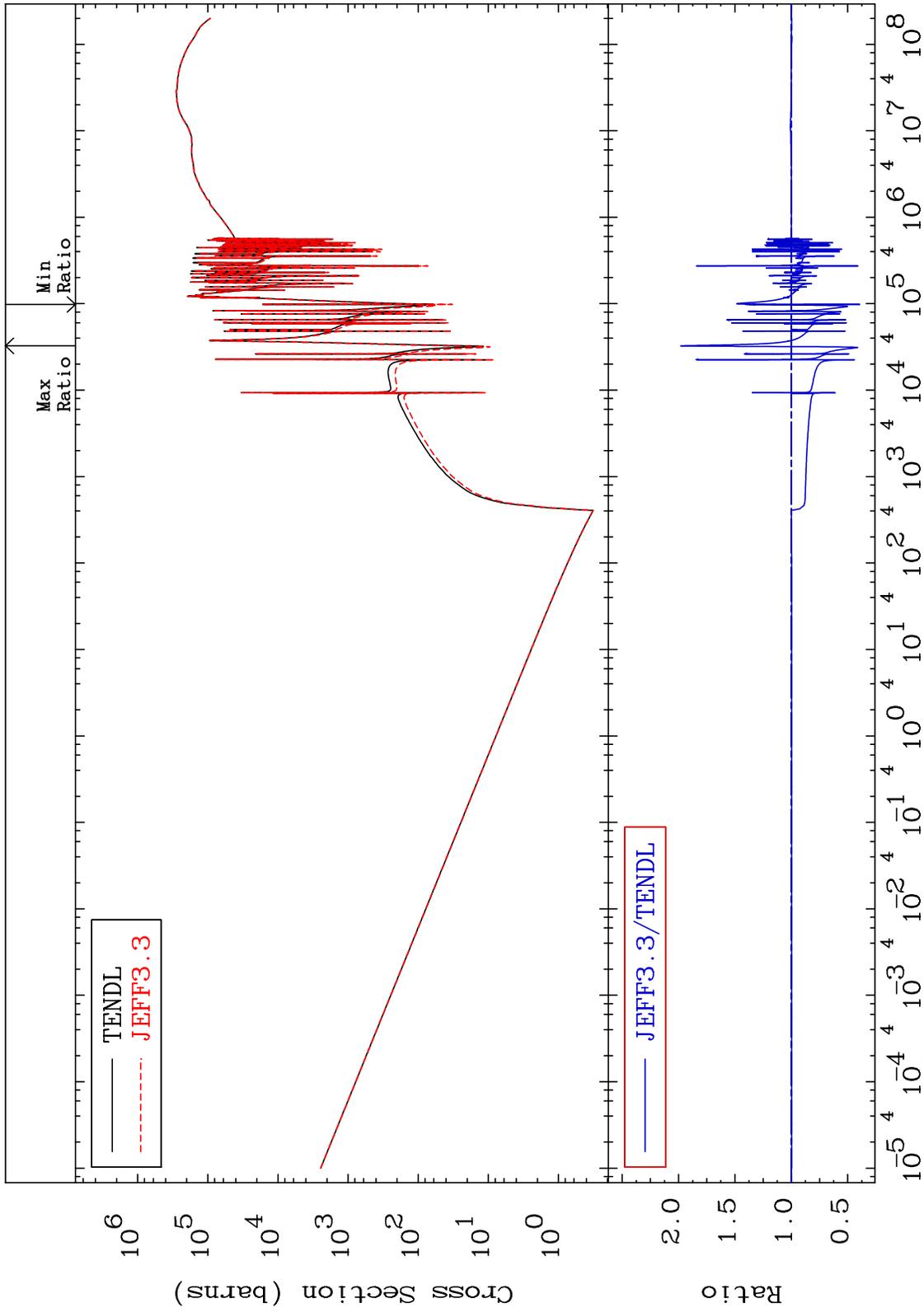
Incident Energy (eV)

20-Ca-42

MAT 2031

Dpa total (eV-barns)  
Cross Section

20-Ca-42  
-60.63 To 98.03 %



75

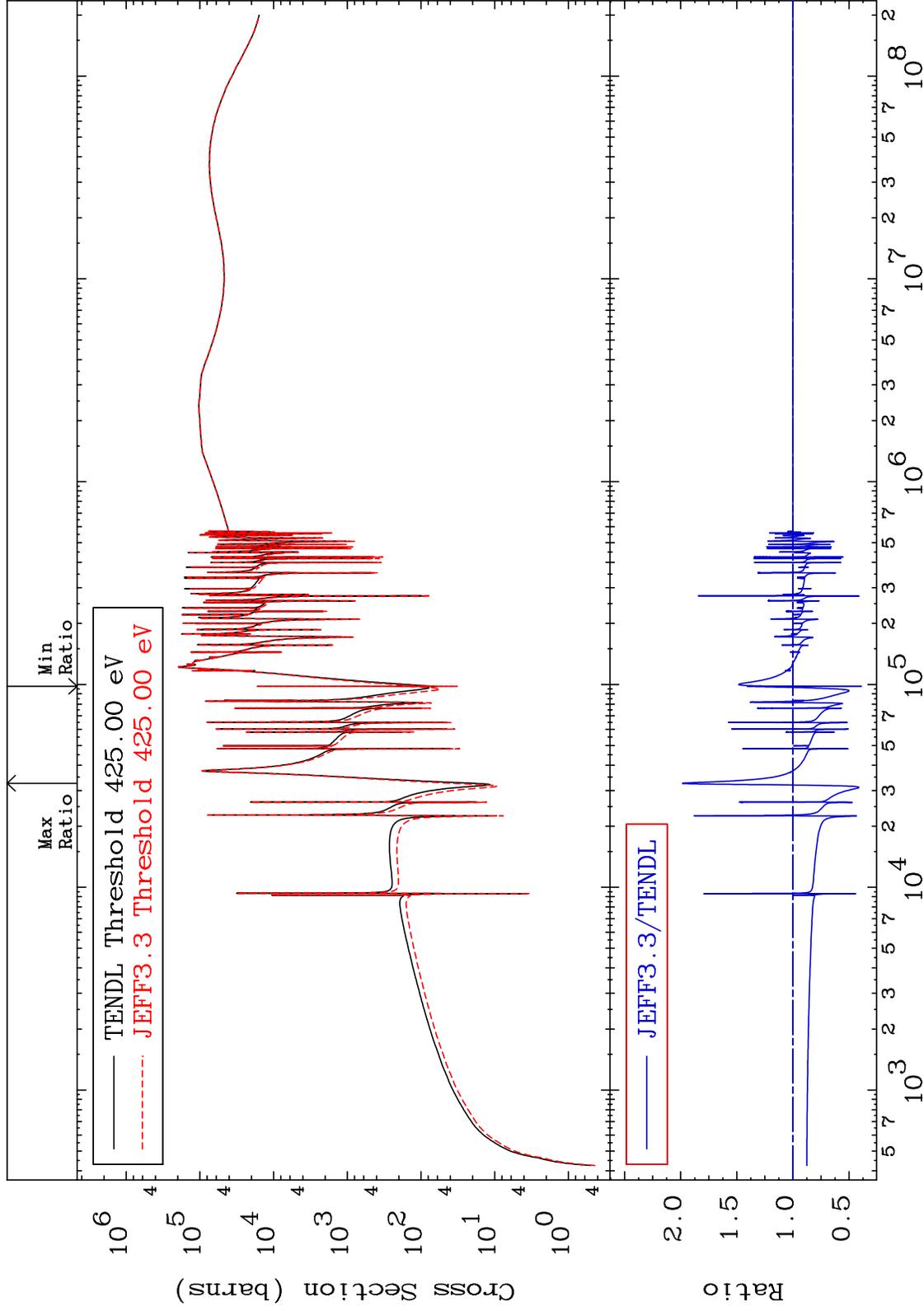
Incident Energy (eV)

20-Ca-42

MAT 2031

Dpa elastic (mt2)  
Cross Section

20-Ca-42  
-61.01 To 98.47 %

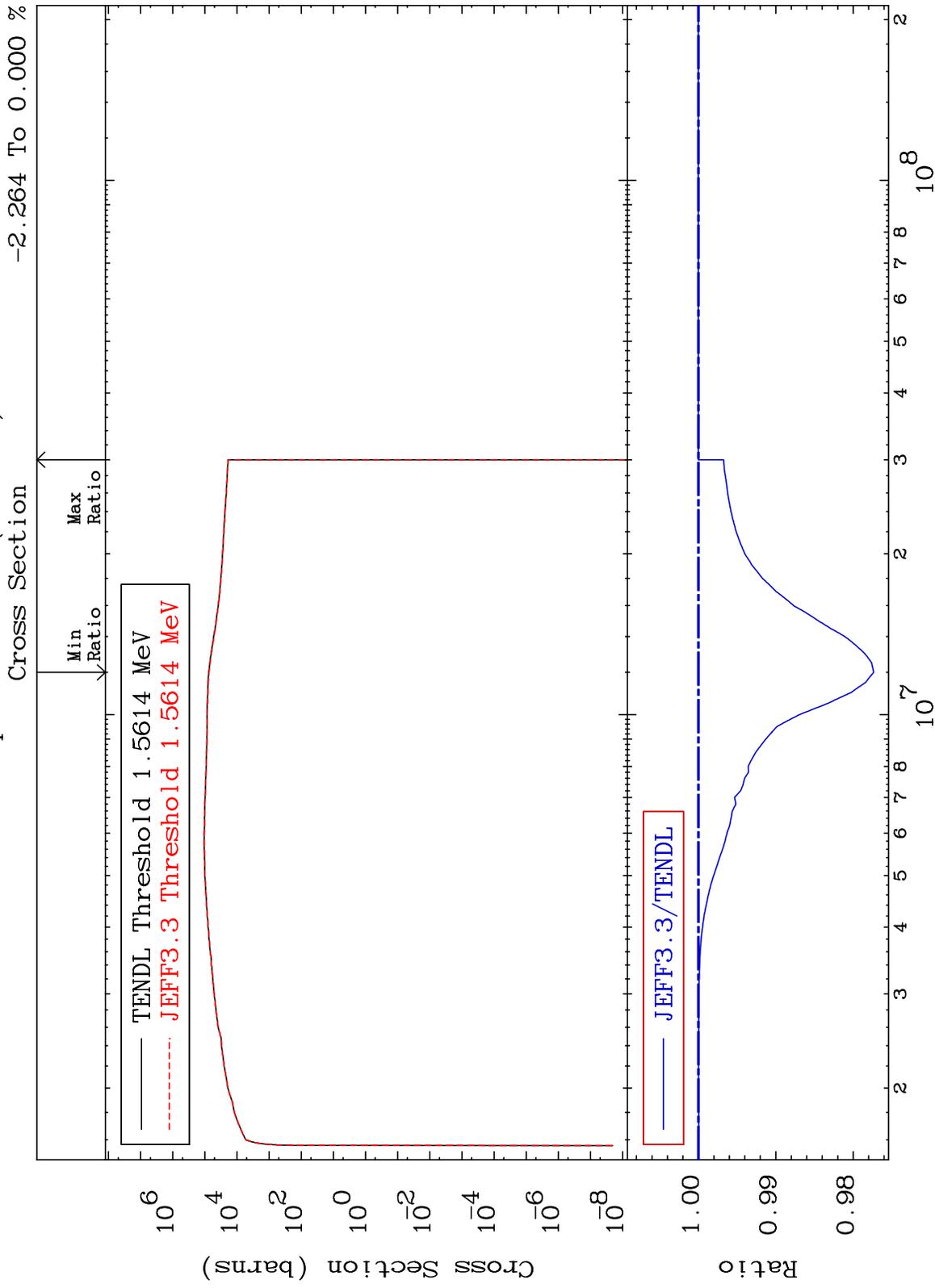


MAT 2031

Dpa inelastic (mt51-91)

20-Ca-42

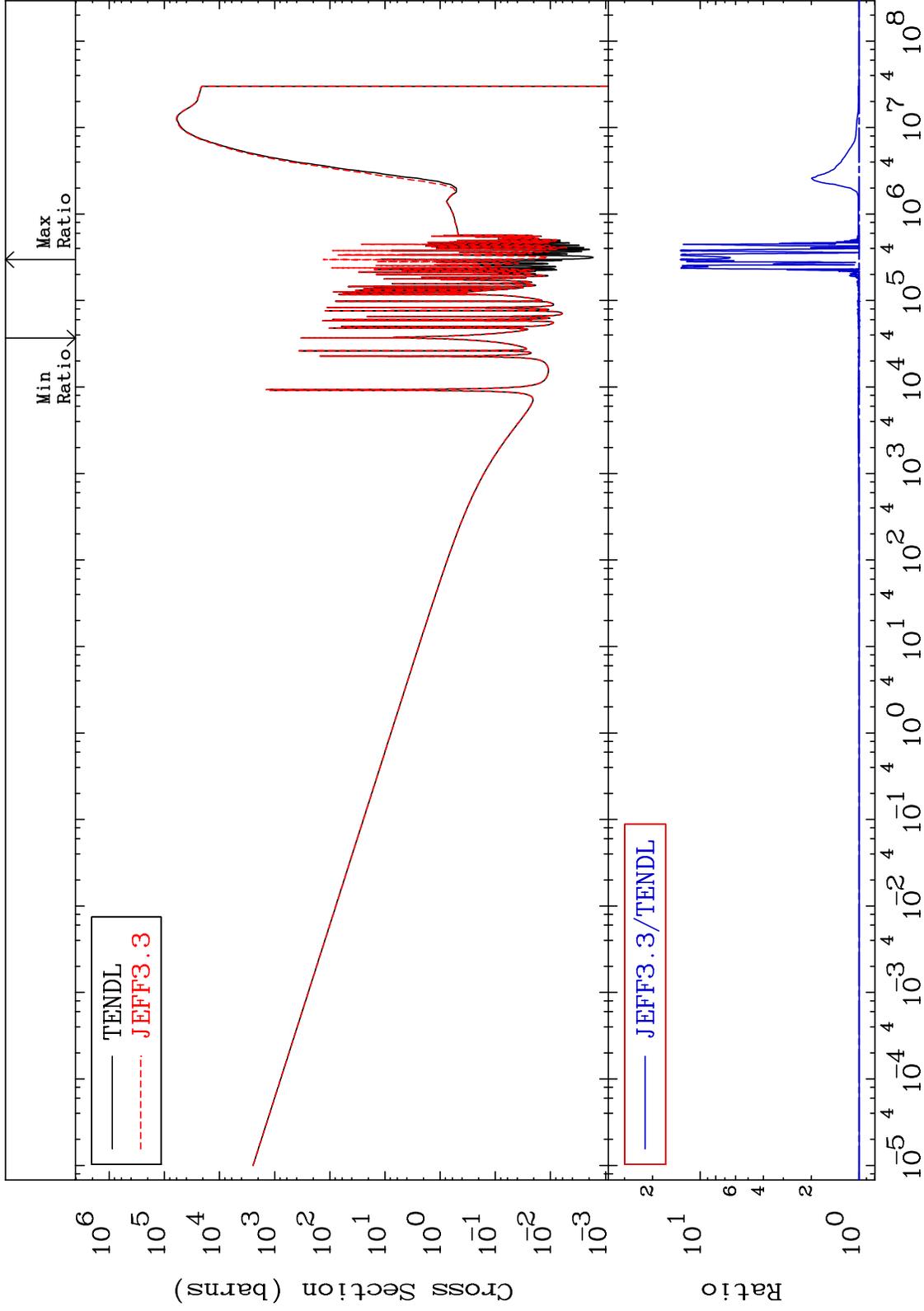
-2.264 To 0.000 %



MAT 2031

Dpa disappearance (mt102 -120)  
Cross Section

20-Ca-42  
-0.914 To 1227. %



78

Incident Energy (eV)

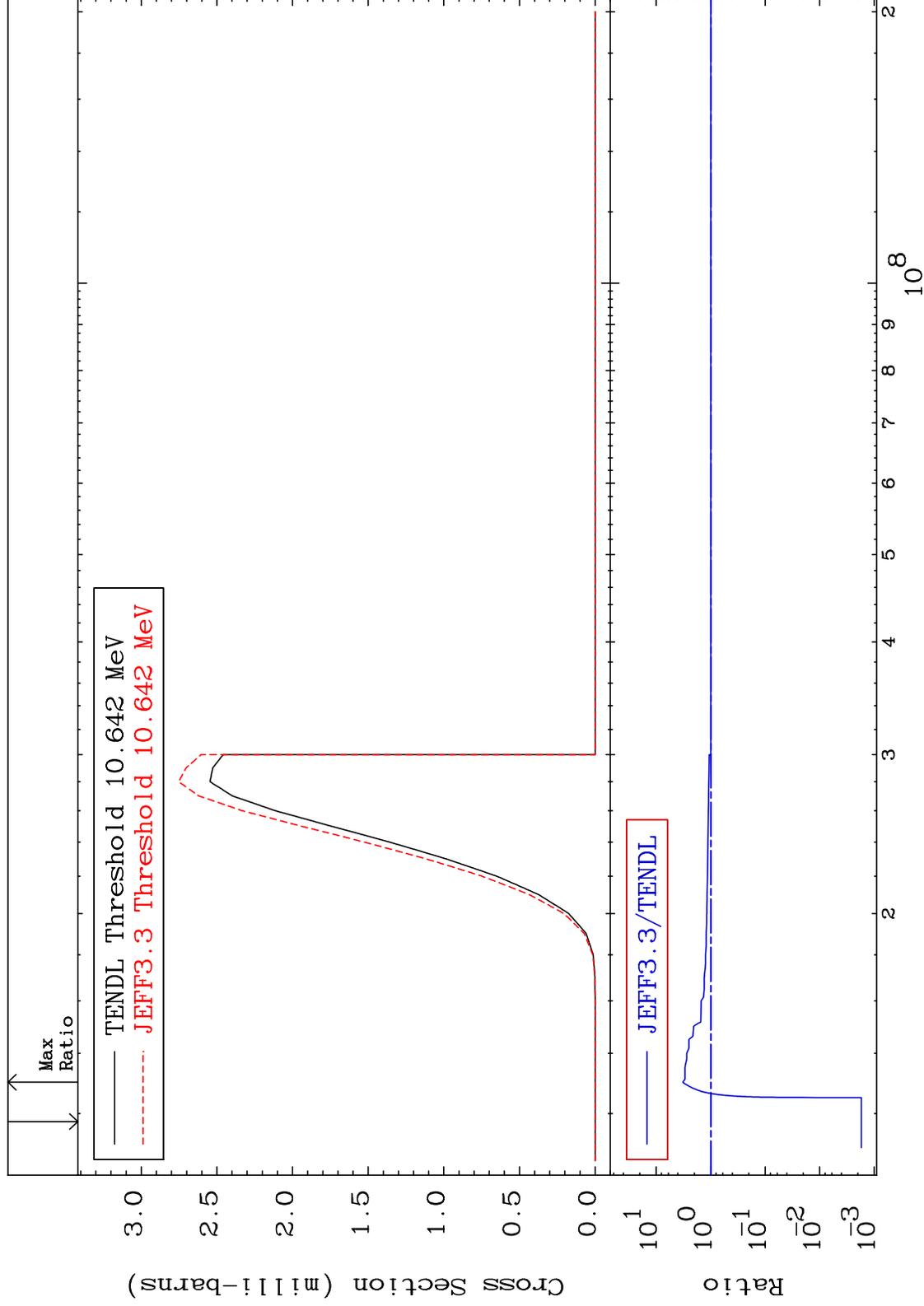
20-Ca-42

MAT 2031

(n,p)  $\alpha$ : 17-Cl-38g

20-Ca-42

Radionuclide Production Cross Section -99.83 To 226.9 %



MAT 2031 (n,p)  $\alpha$ : 17-Cl-38m1 20-Ca-42  
 Radionuclide Production Cross Section 0.000 To 217.8 %

