

Program Complot  
(Version 2018-1)

by

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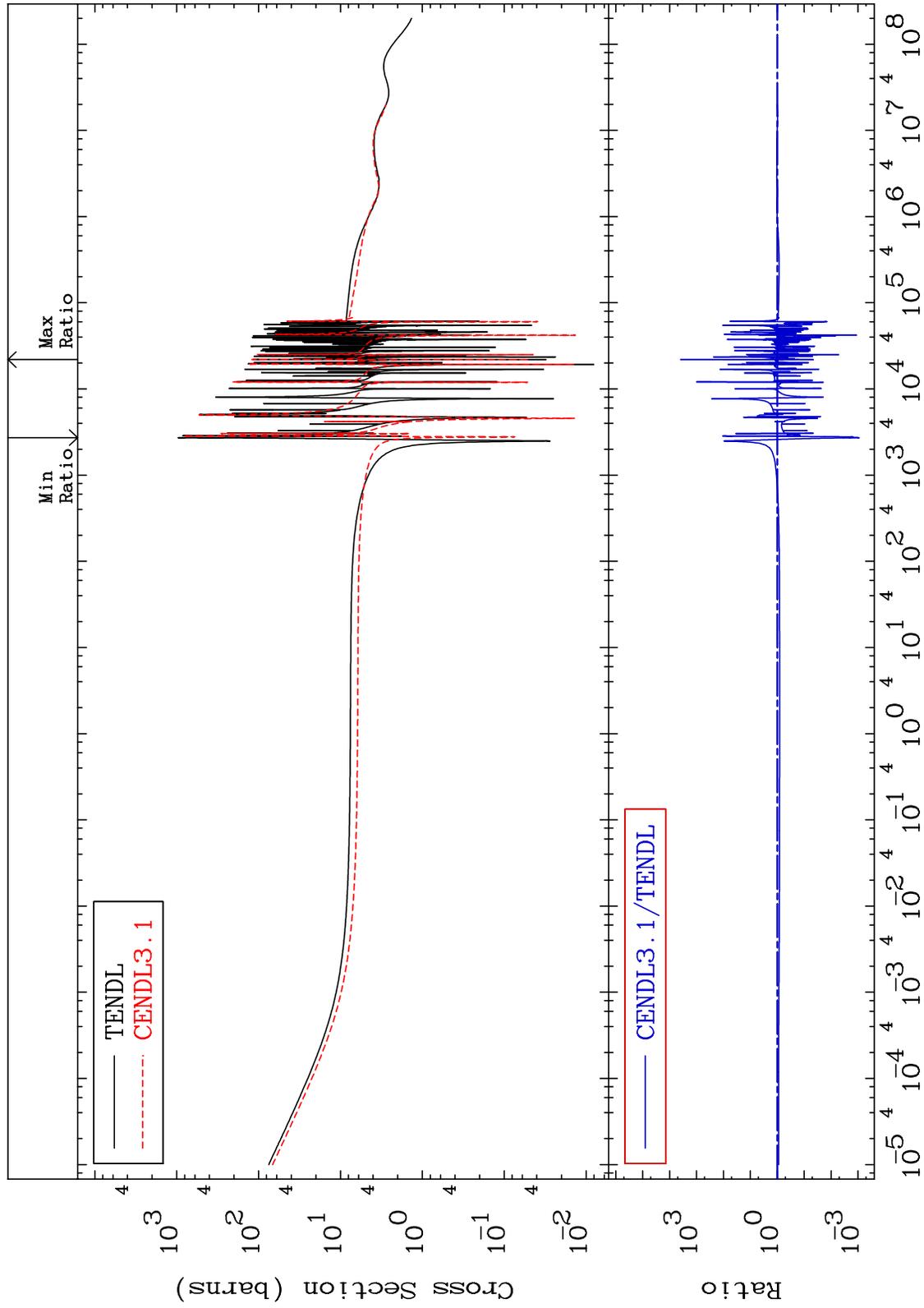
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 3237

Total  
Cross Section

32-Ge-74  
-99.91 To 9999. %



1

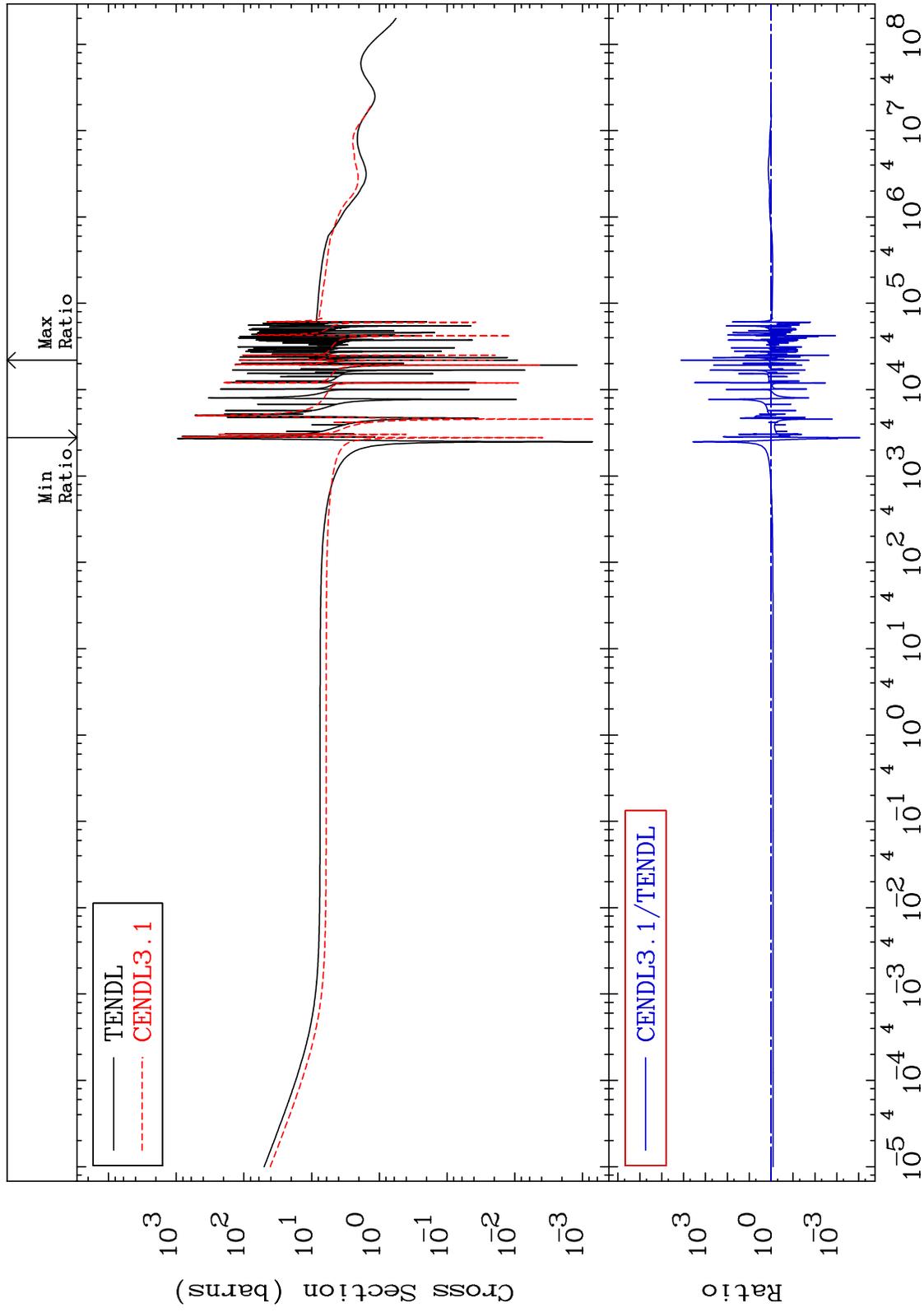
Incident Energy (eV)

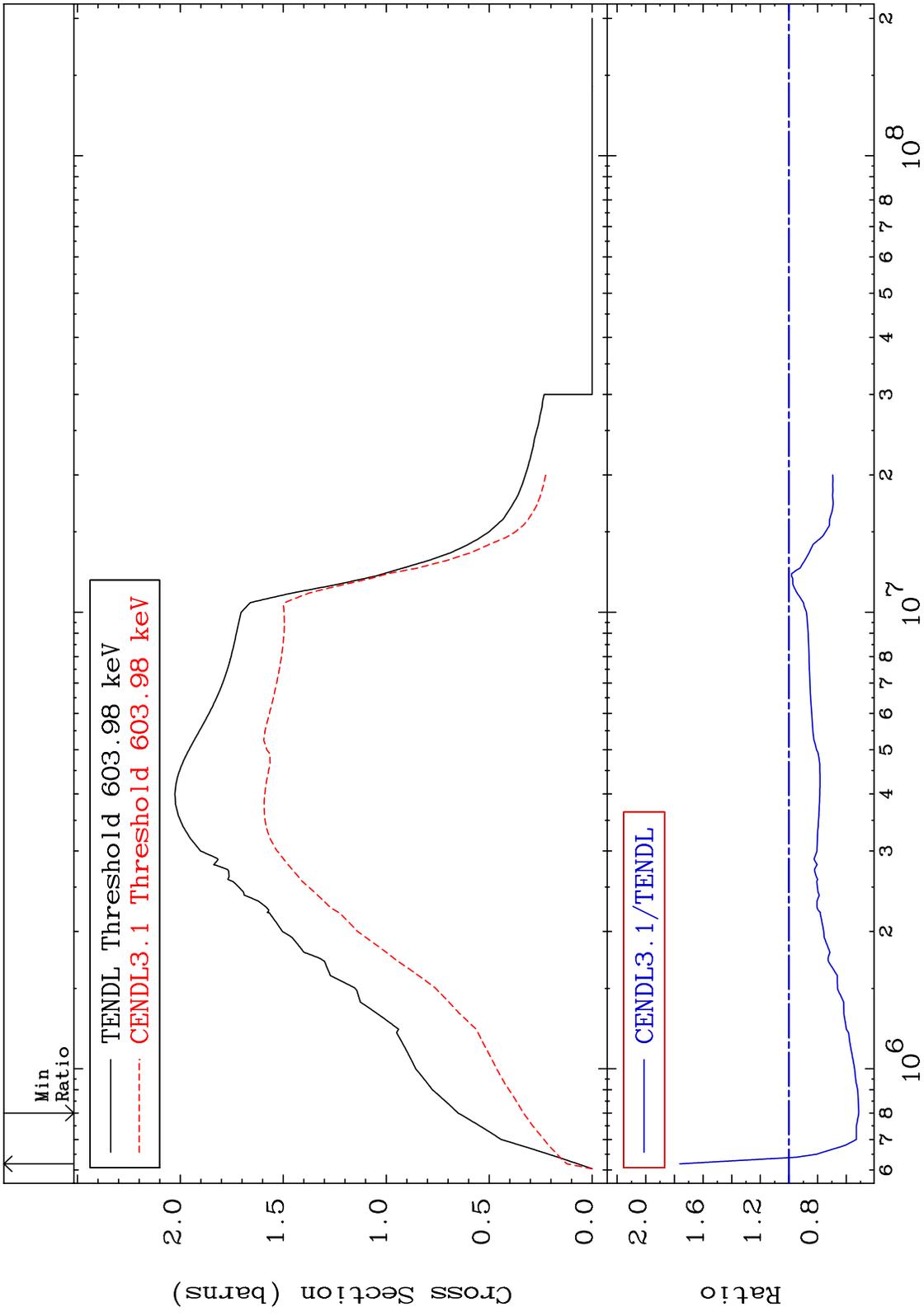
32-Ge-74

MAT 3237

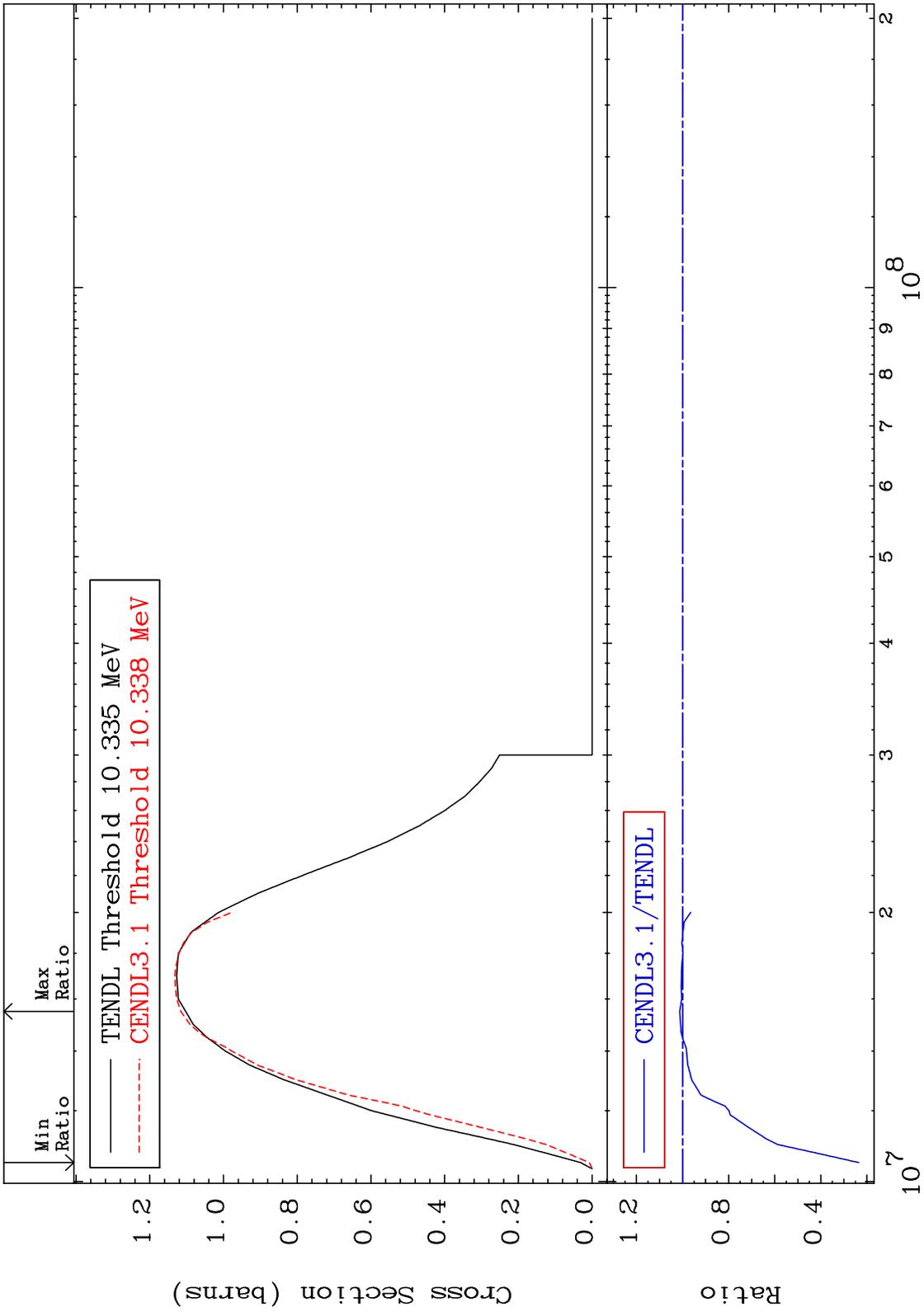
Elastic  
Cross Section

32-Ge-74  
-99.99 To 9999. %



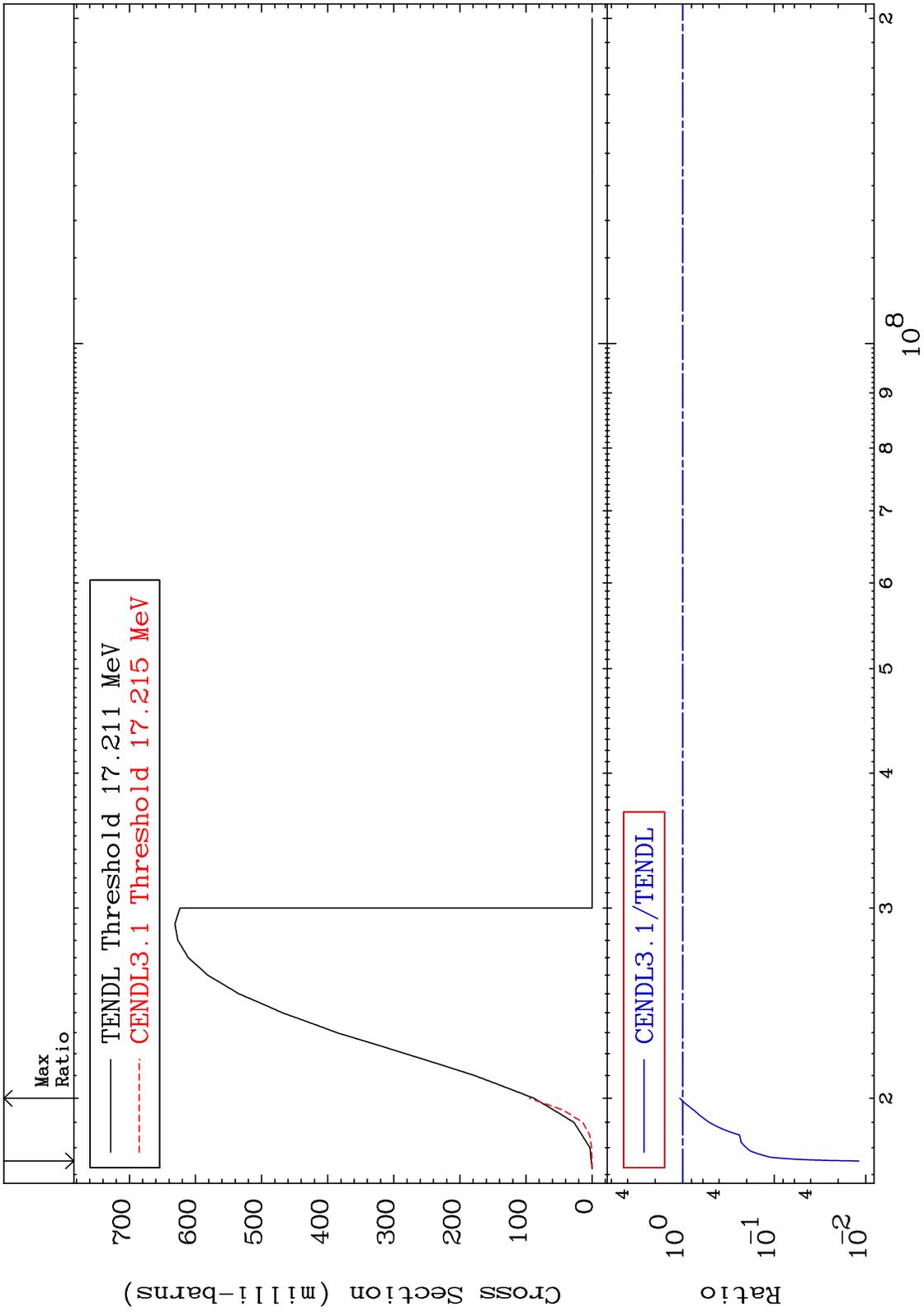


MAT 3237 (n,2n) Cross Section 32-Ge-74 -76.47 To 1.206 %

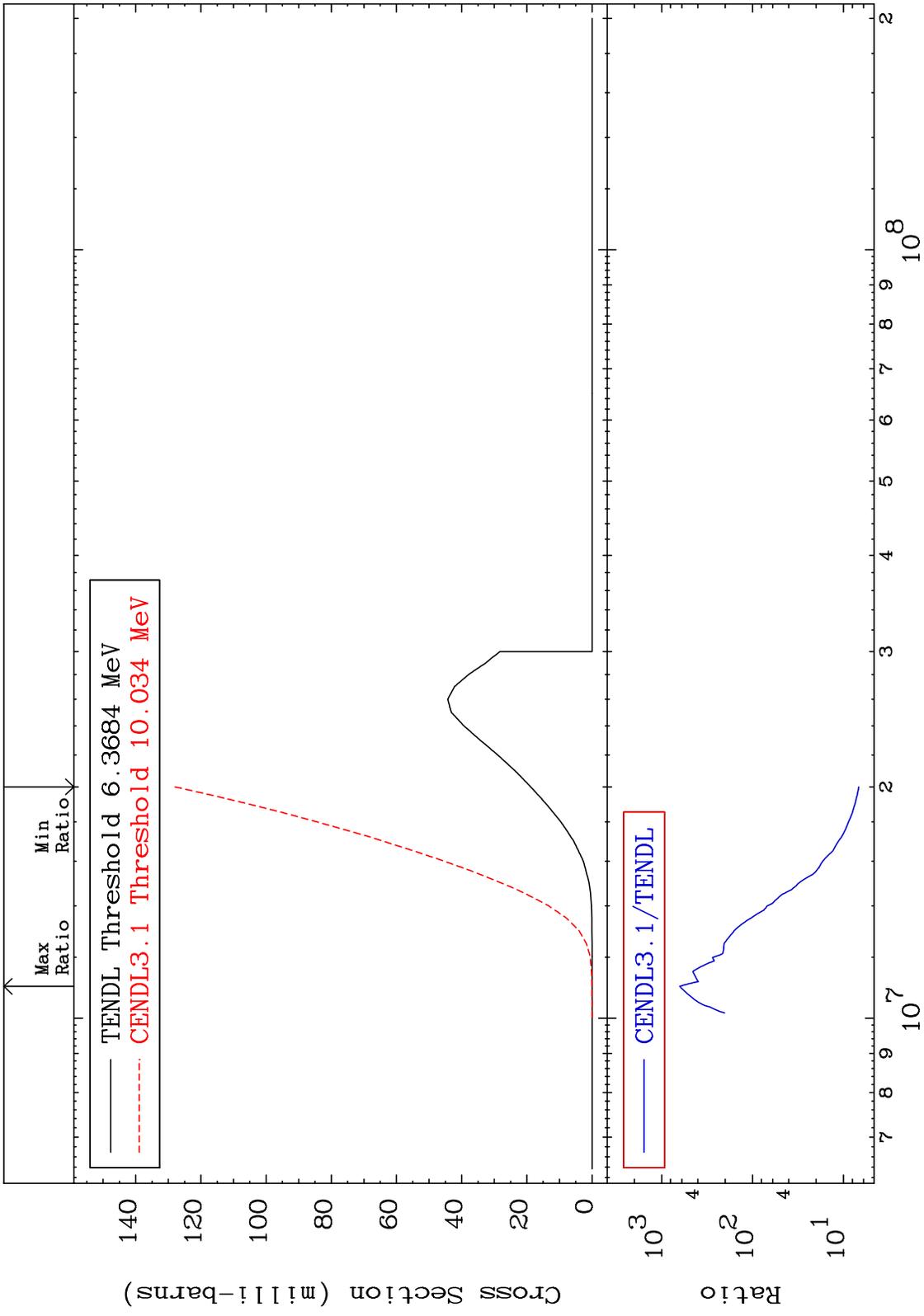


4 32-Ge-74

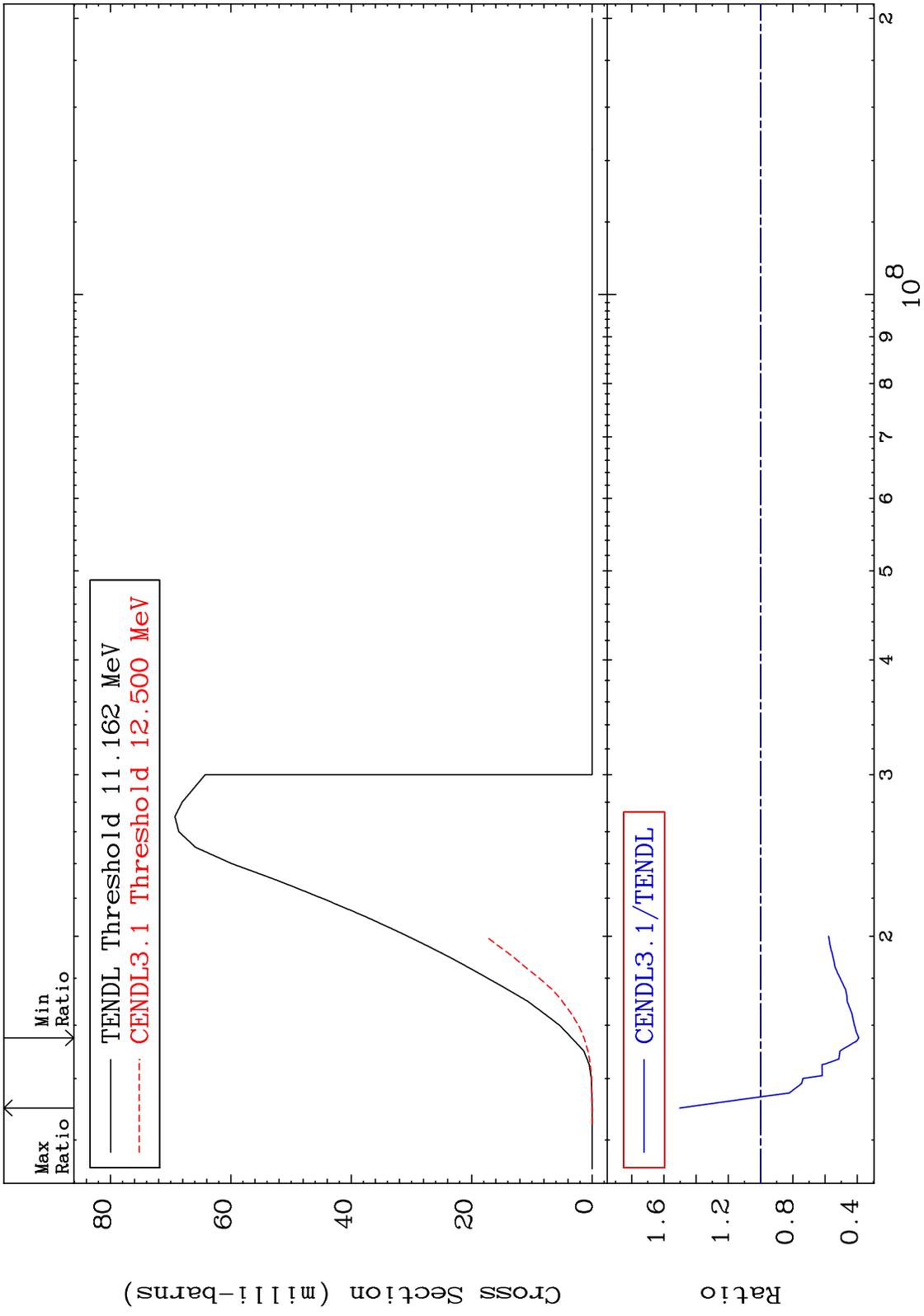
MAT 3237 (n,3n) Cross Section 32-Ge-74 -98.81 To 7.569 %



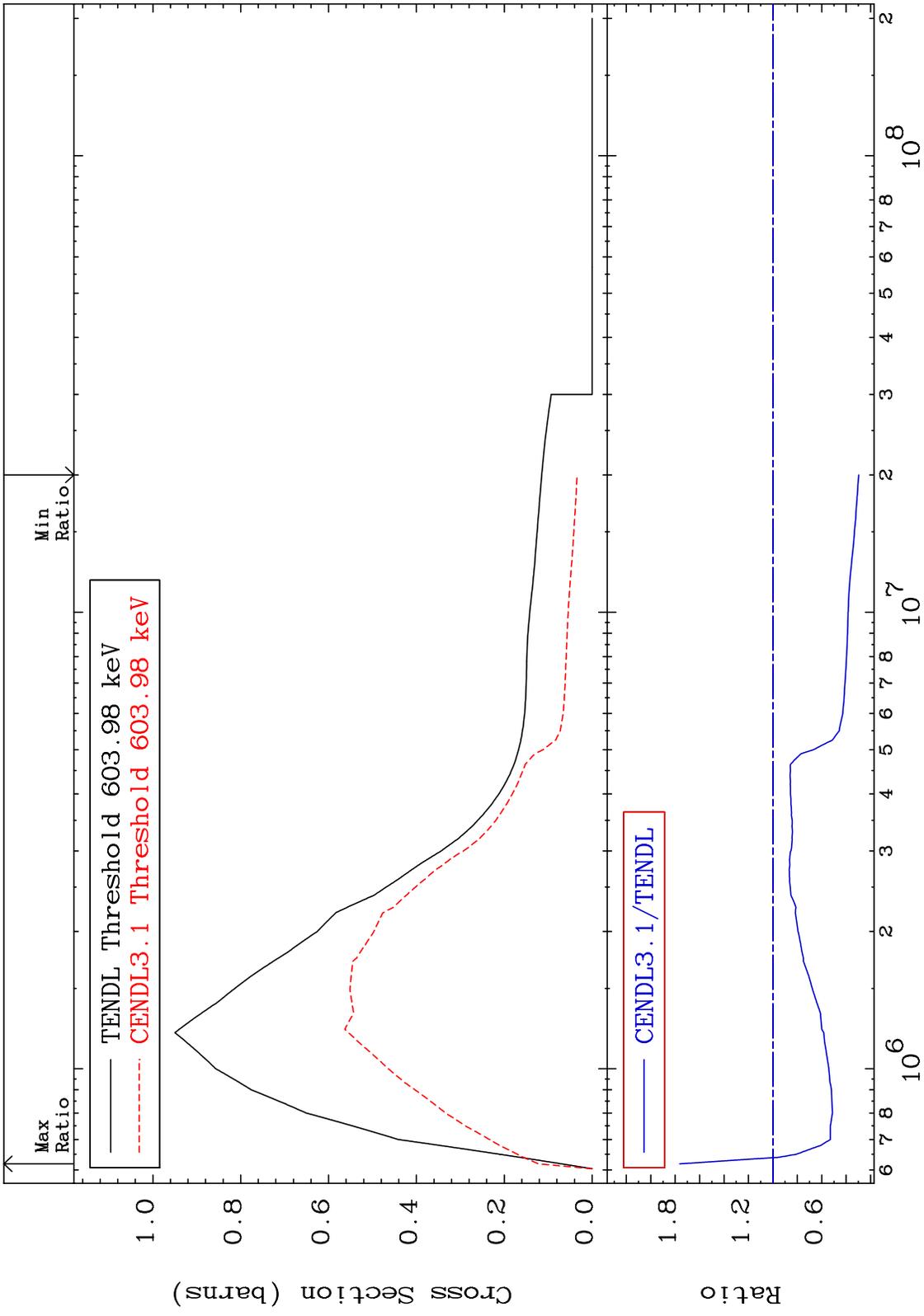
MAT 3237  $(n, n') \alpha$  Cross Section 32-Ge-74 578.8 To 9999. %



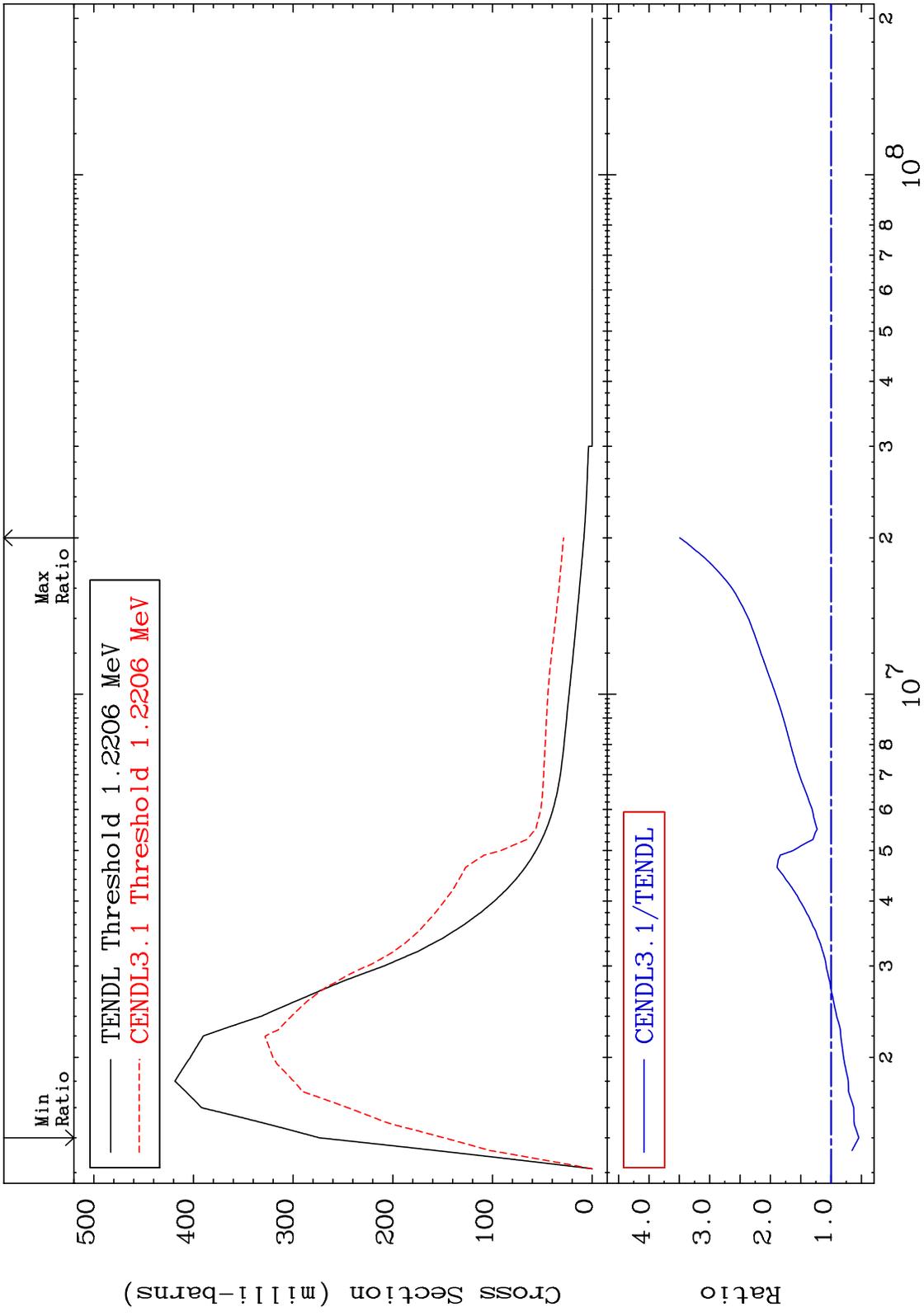
MAT 3237 (n,n') p 32-Ge-74  
 Cross Section -60.94 To 50.19 %



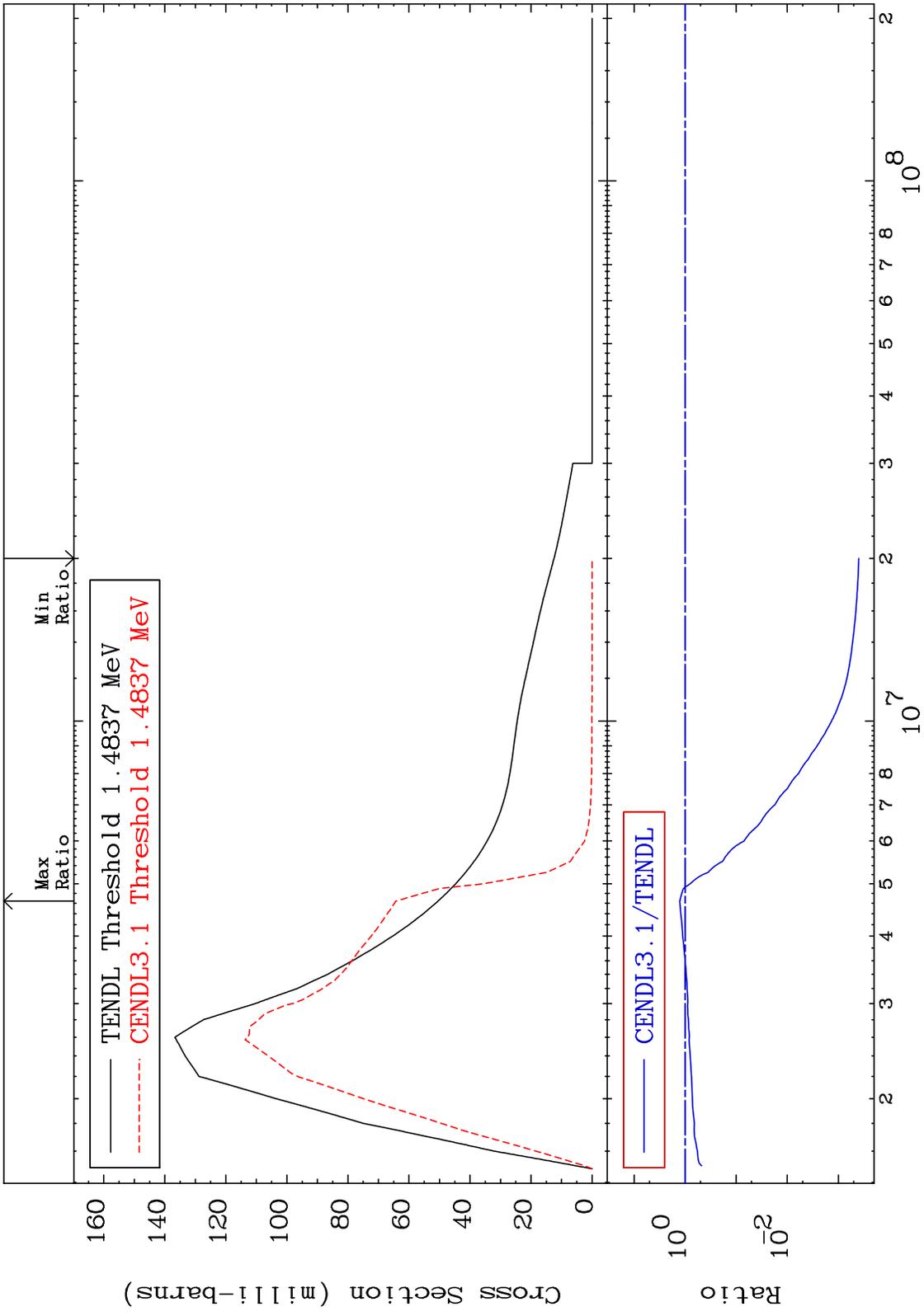
MAT 3237 MT= 51 (n,n') Level Cross Section -70.38 To 76.26 % 32-Ge-74



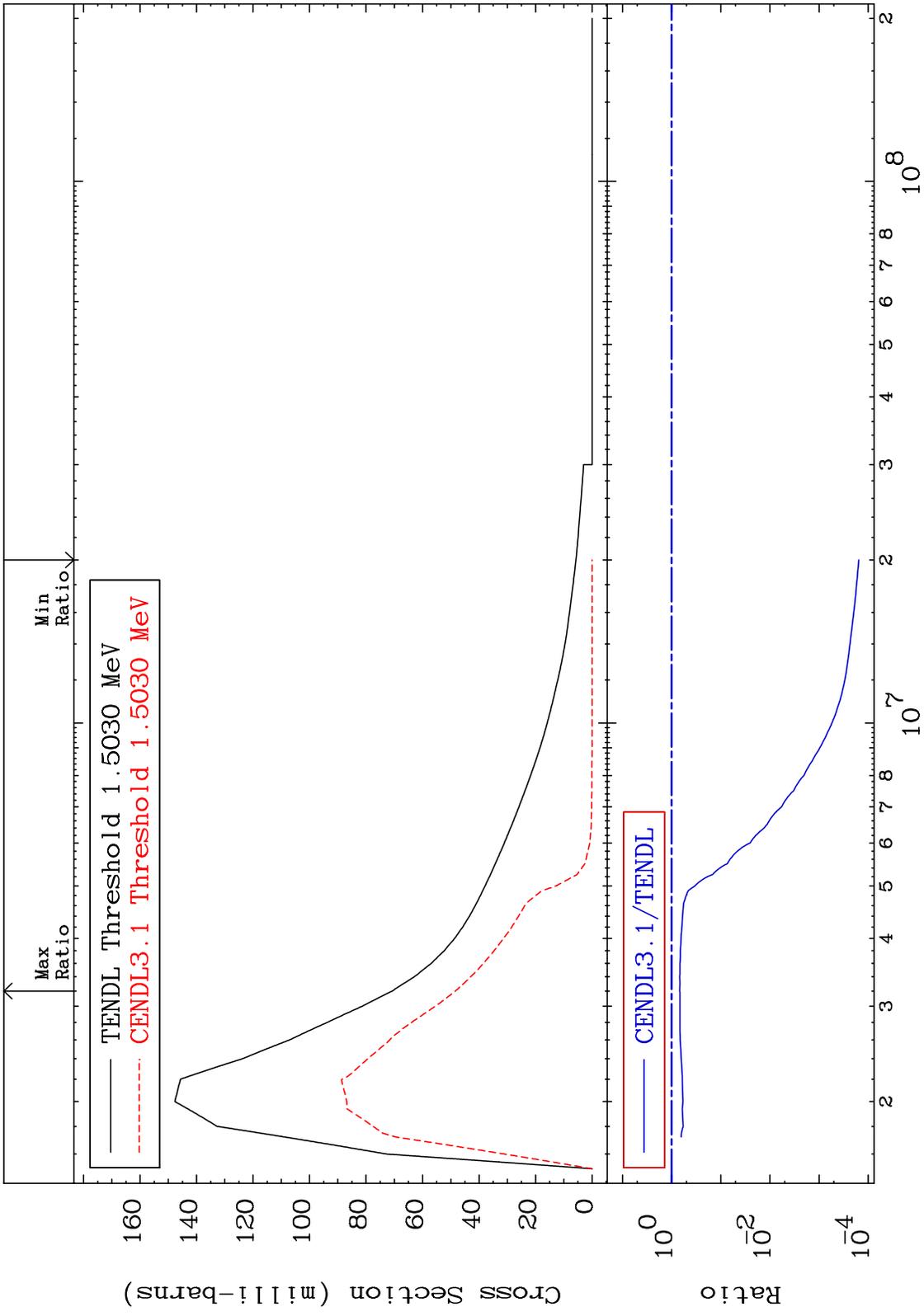
MAT 3237 MT= 52 (n,n') Level Cross Section -45.71 To 249.3 % 32-Ge-74



MAT 3237 MT= 53 (n,n') Level Cross Section 32-Ge-74 -99.96 To 27.38 %



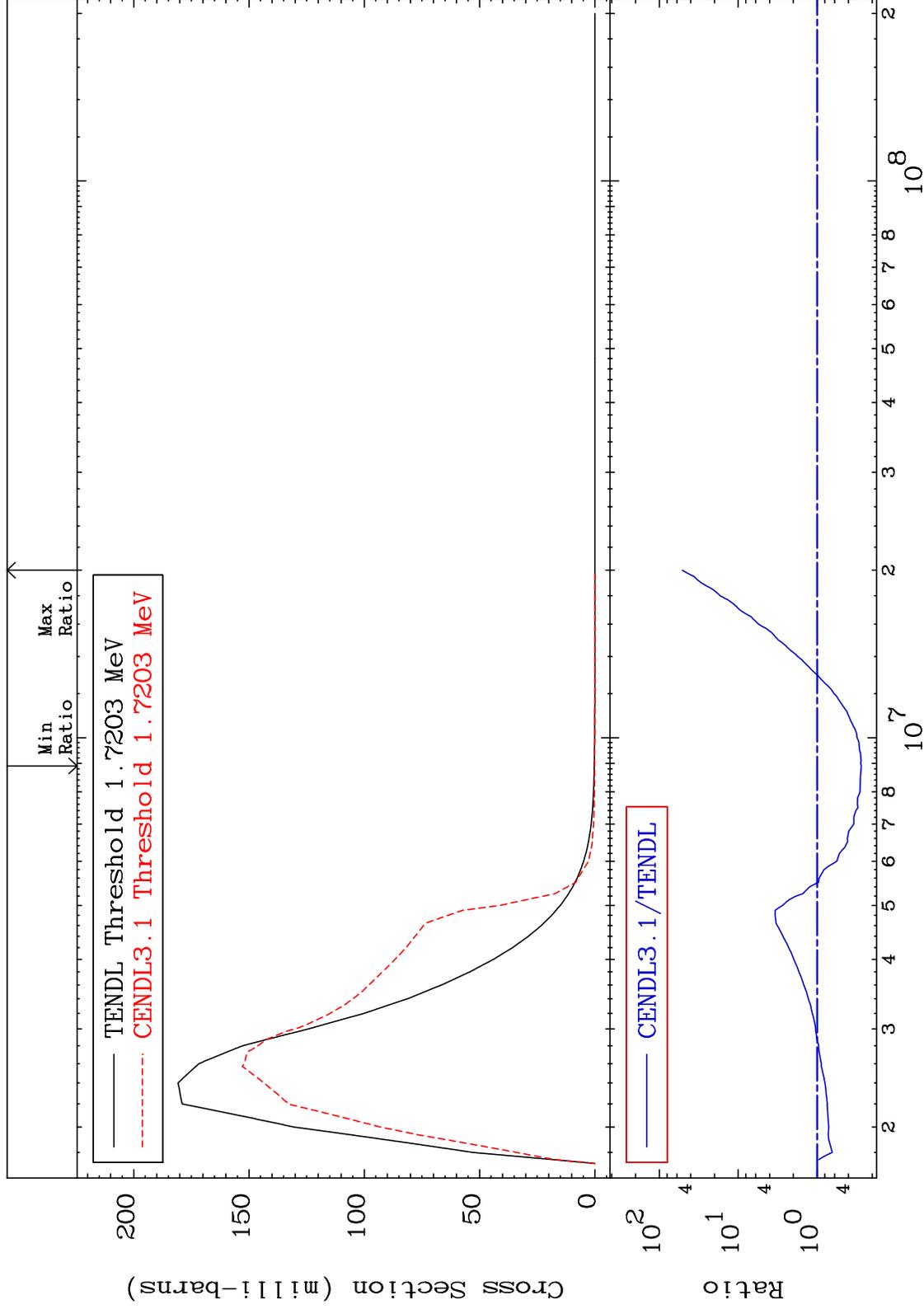
MAT 3237 MT= 54 (n,n') Level Cross Section 32-Ge-74 -99.98 To -31.63%



MAT 3237

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

32-Ge-74  
-72.50 To 4992. %



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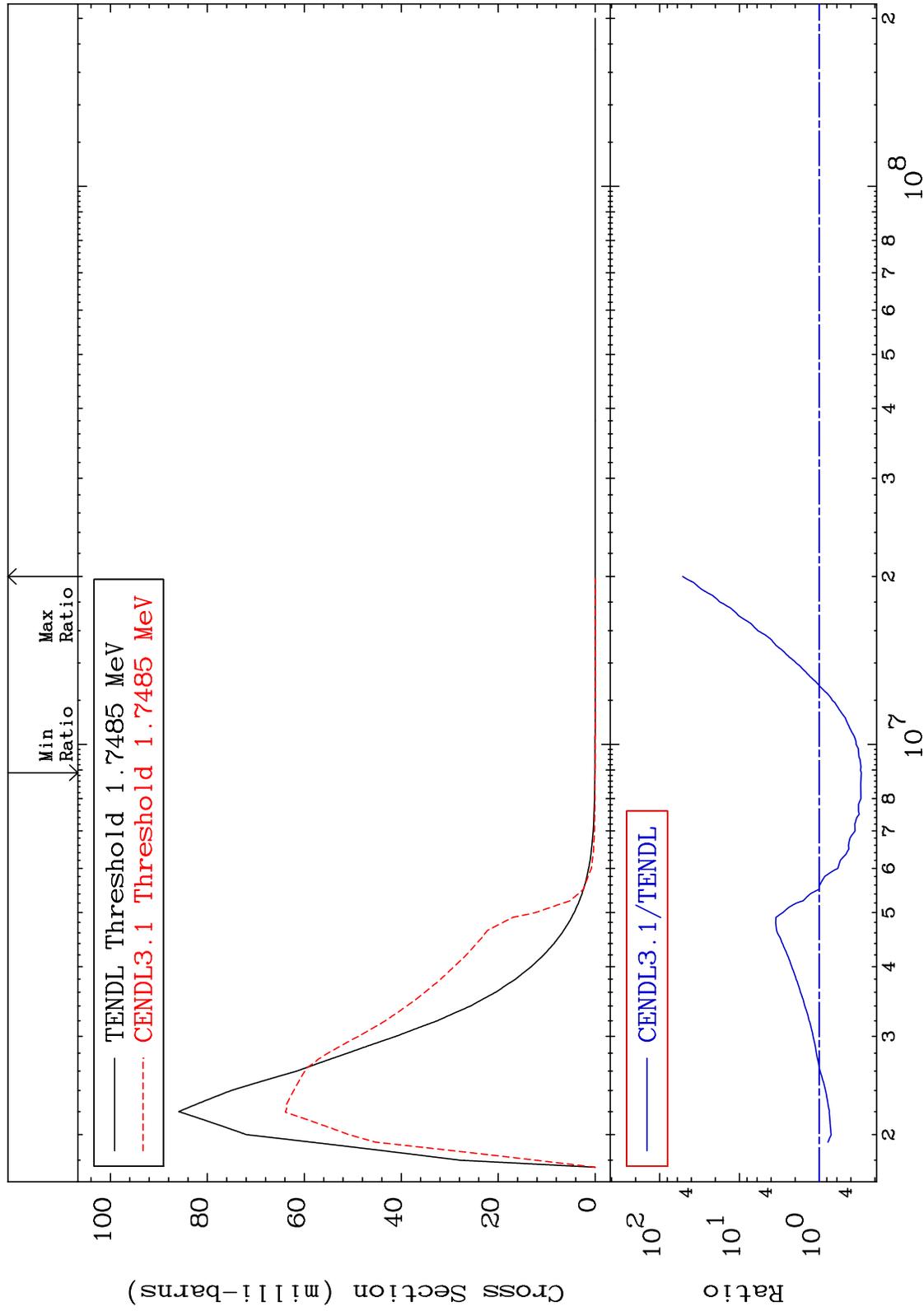
Incident Energy (eV)

32-Ge-74

MAT 3237

MT= 56 (n,n') Level  
Cross Section

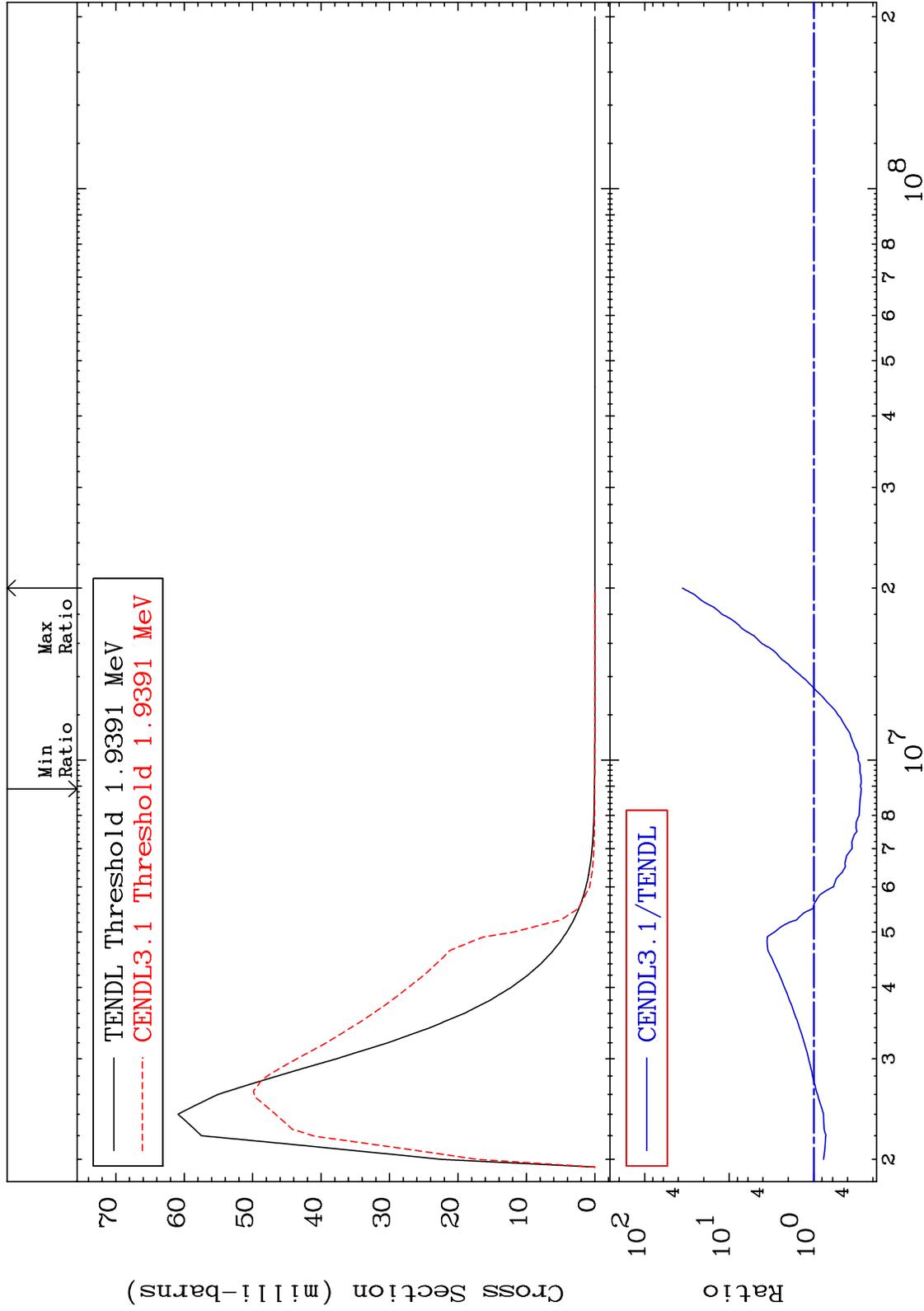
32-Ge-74  
-70.53 To 5044. %



MAT 3237

MT= 57 (n,n') Level  
Cross Section

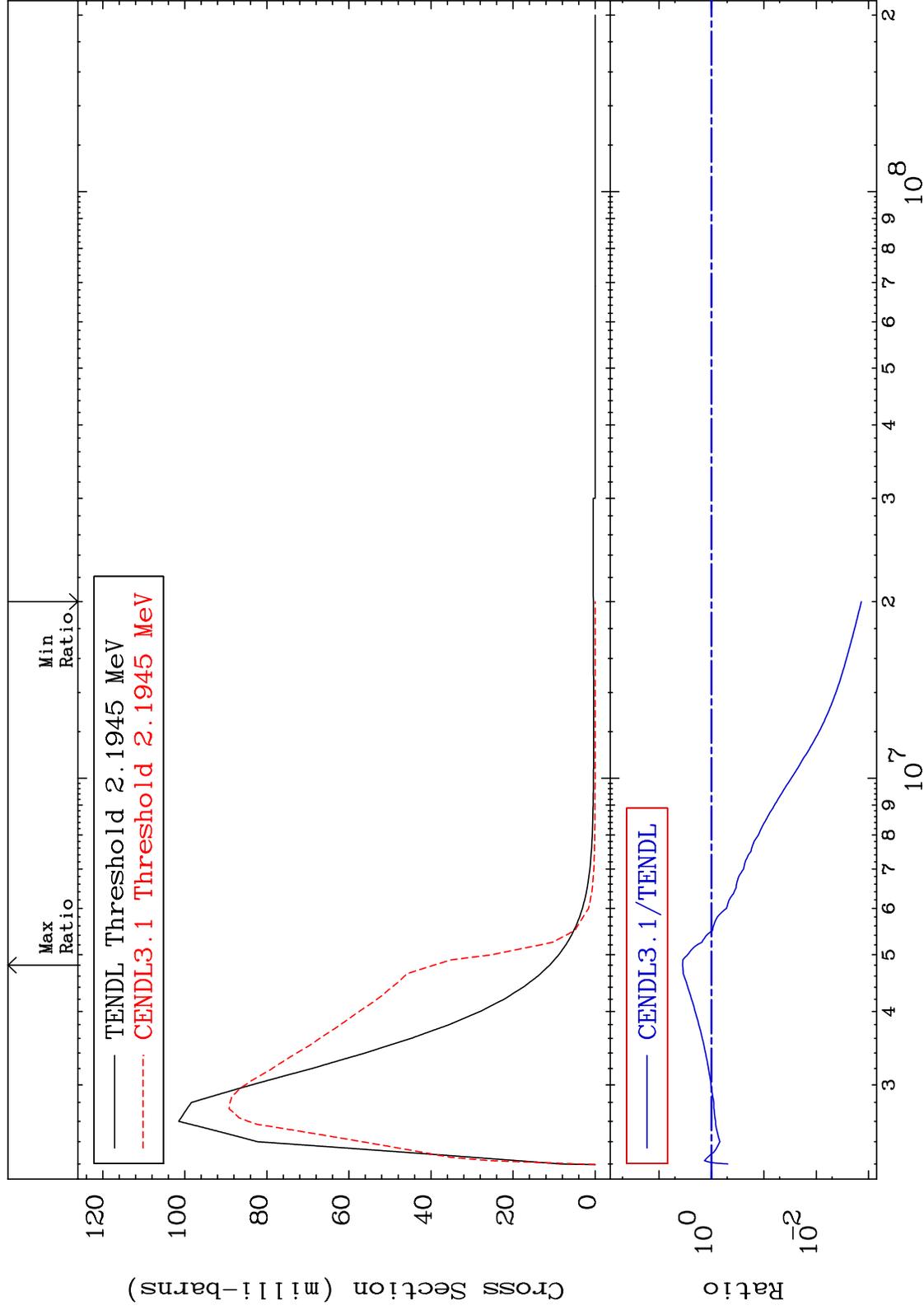
32-Ge-74  
-72.62 To 3474. %



MAT 3237

MT= 58 (n,n') Level  
Cross Section

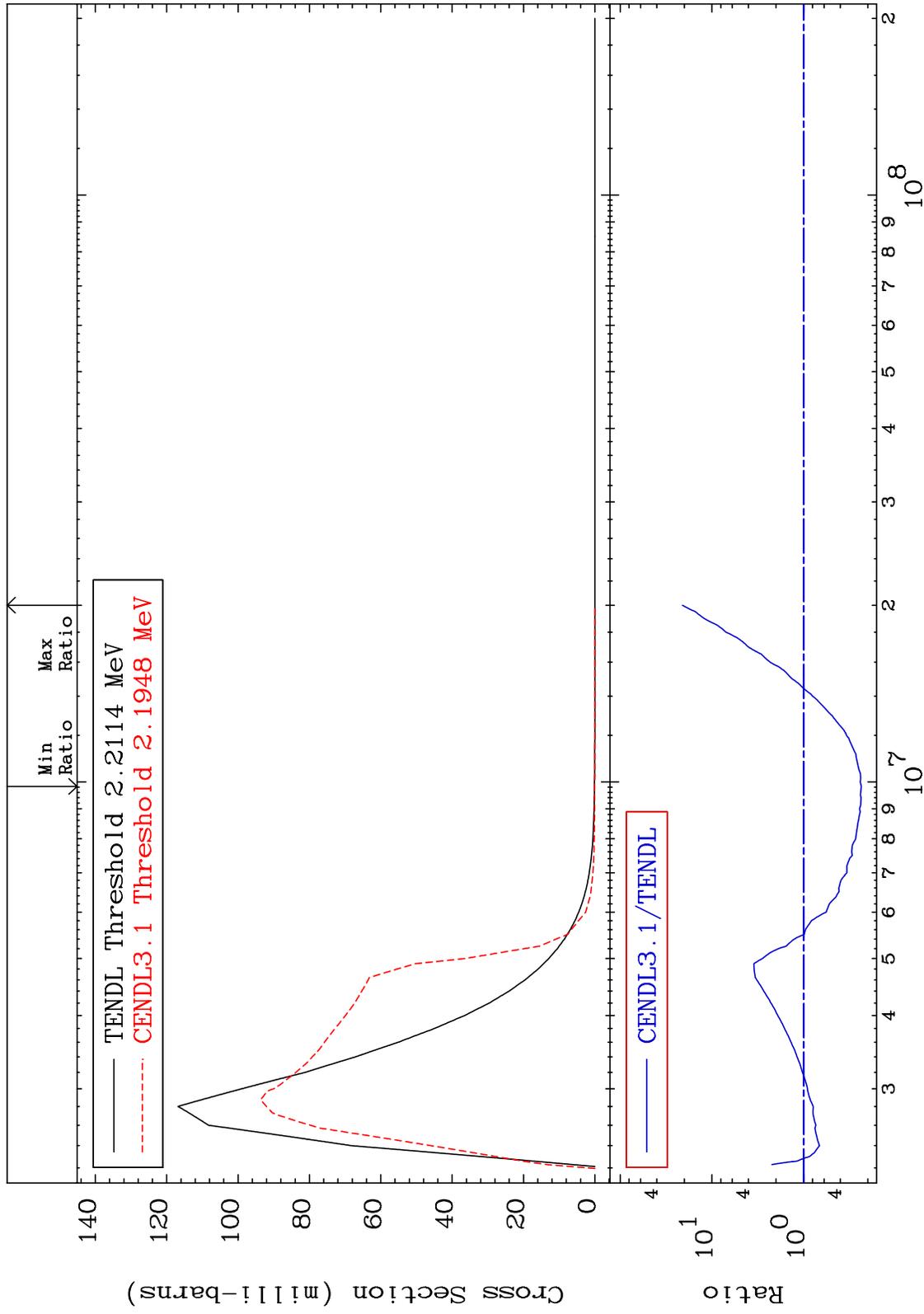
32-Ge-74  
-99.86 To 254.6 %



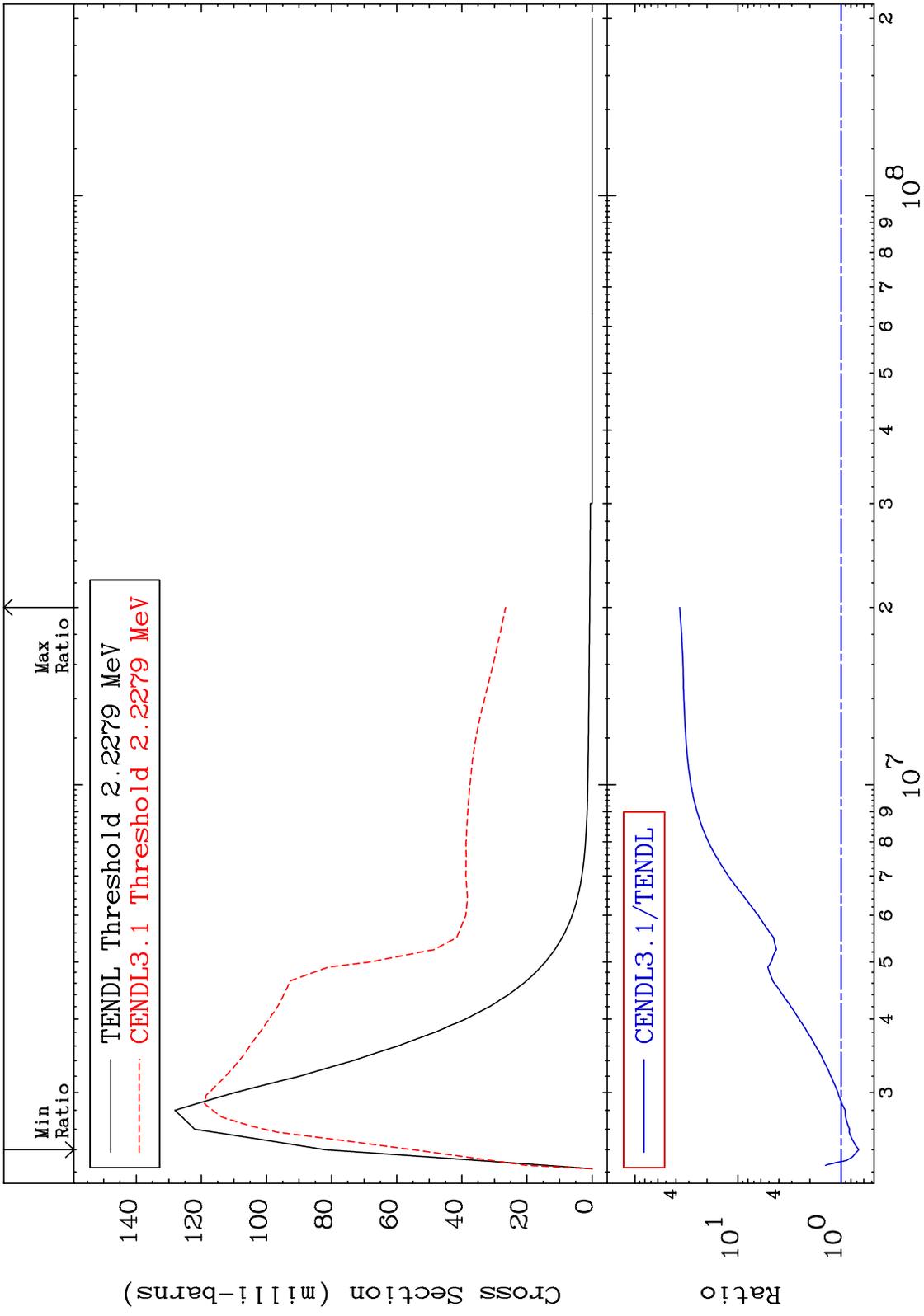
MAT 3237

MT= 59 (n,n') Level  
Cross Section

32-Ge-74  
-76.47 To 1997. %



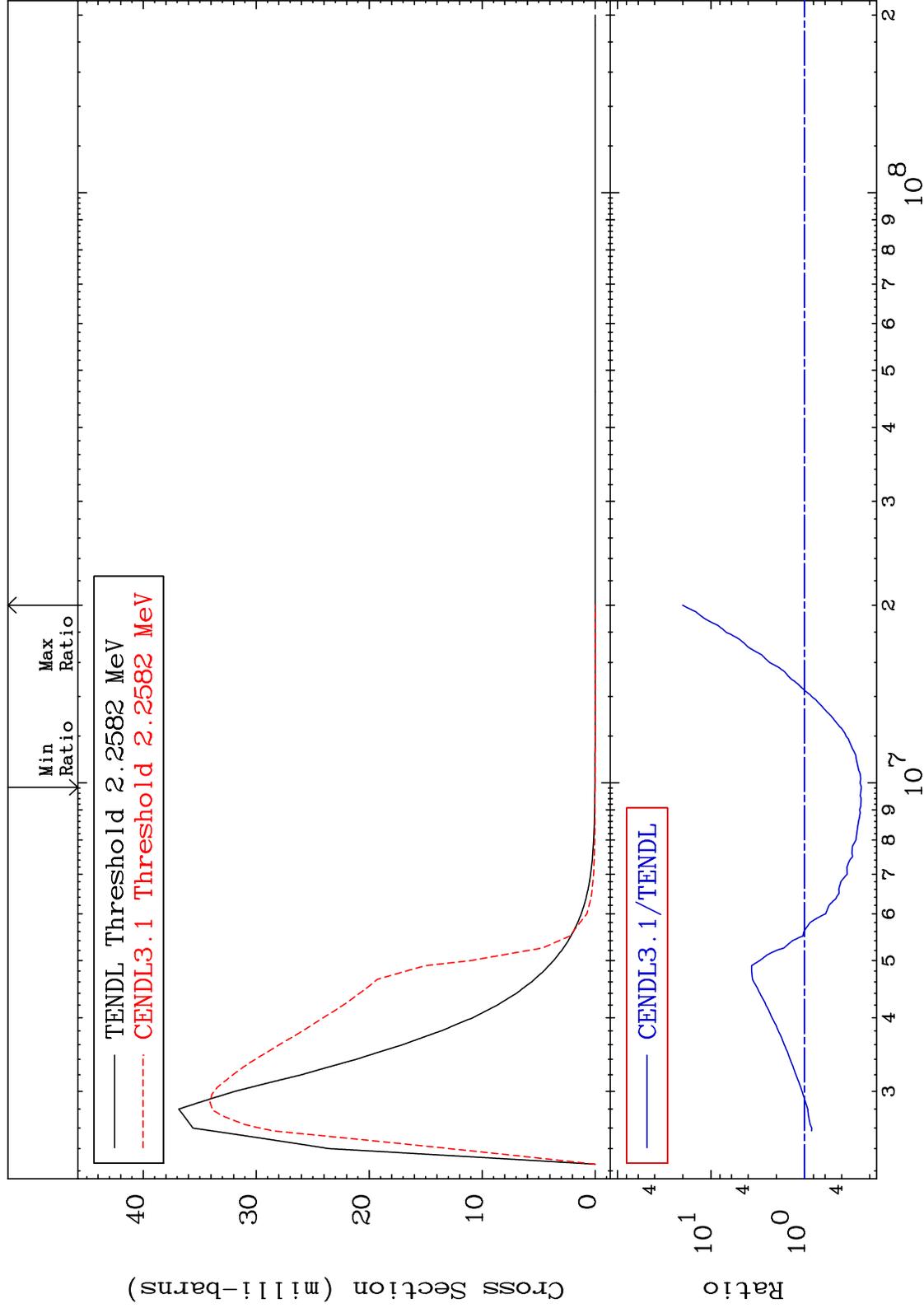
MAT 3237 MT= 60 (n,n') Level Cross Section 32-Ge-74  
 -32.93 To 3575. %



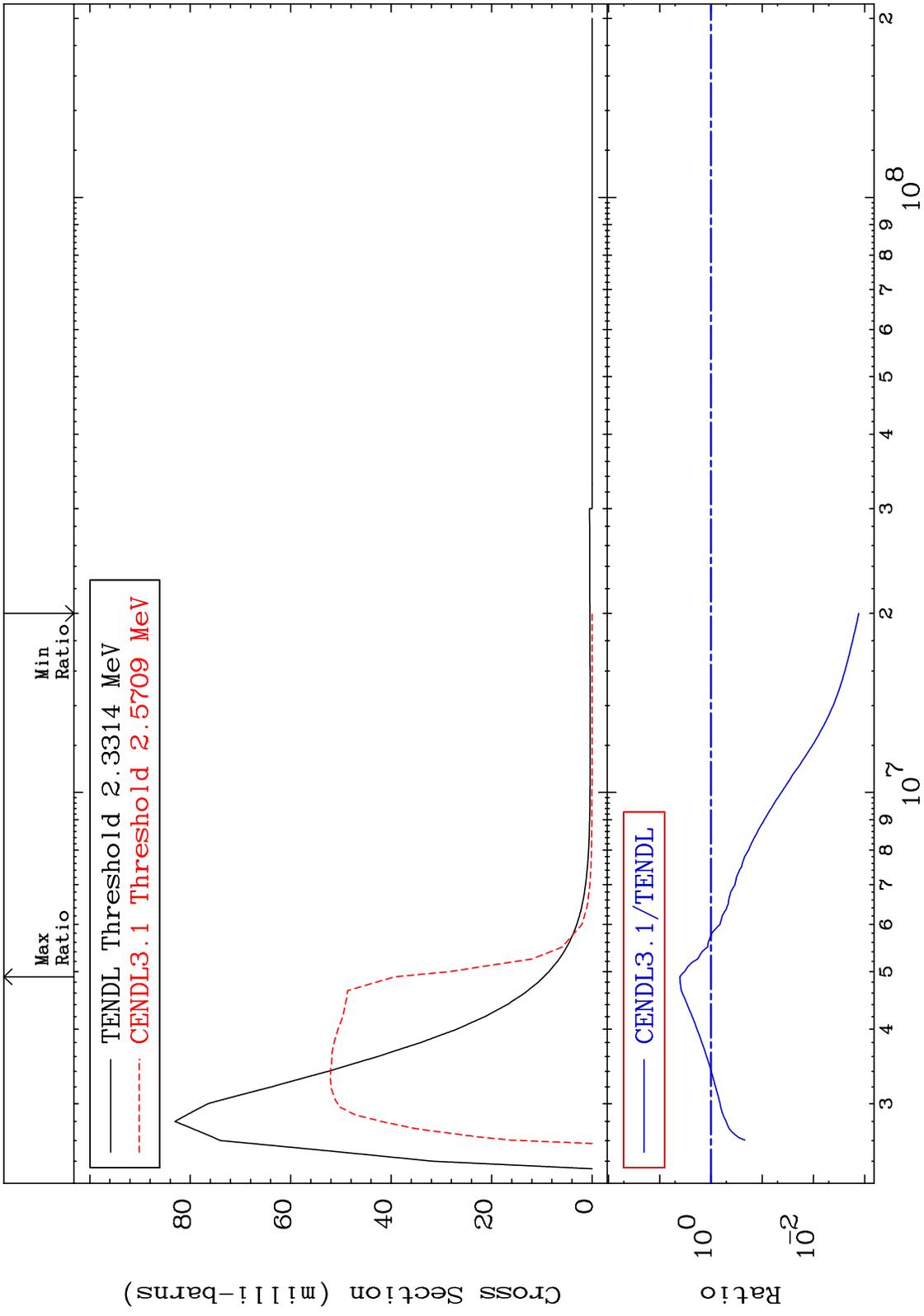
MAT 3237

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

32-Ge-74  
-75.43 To 1904. %



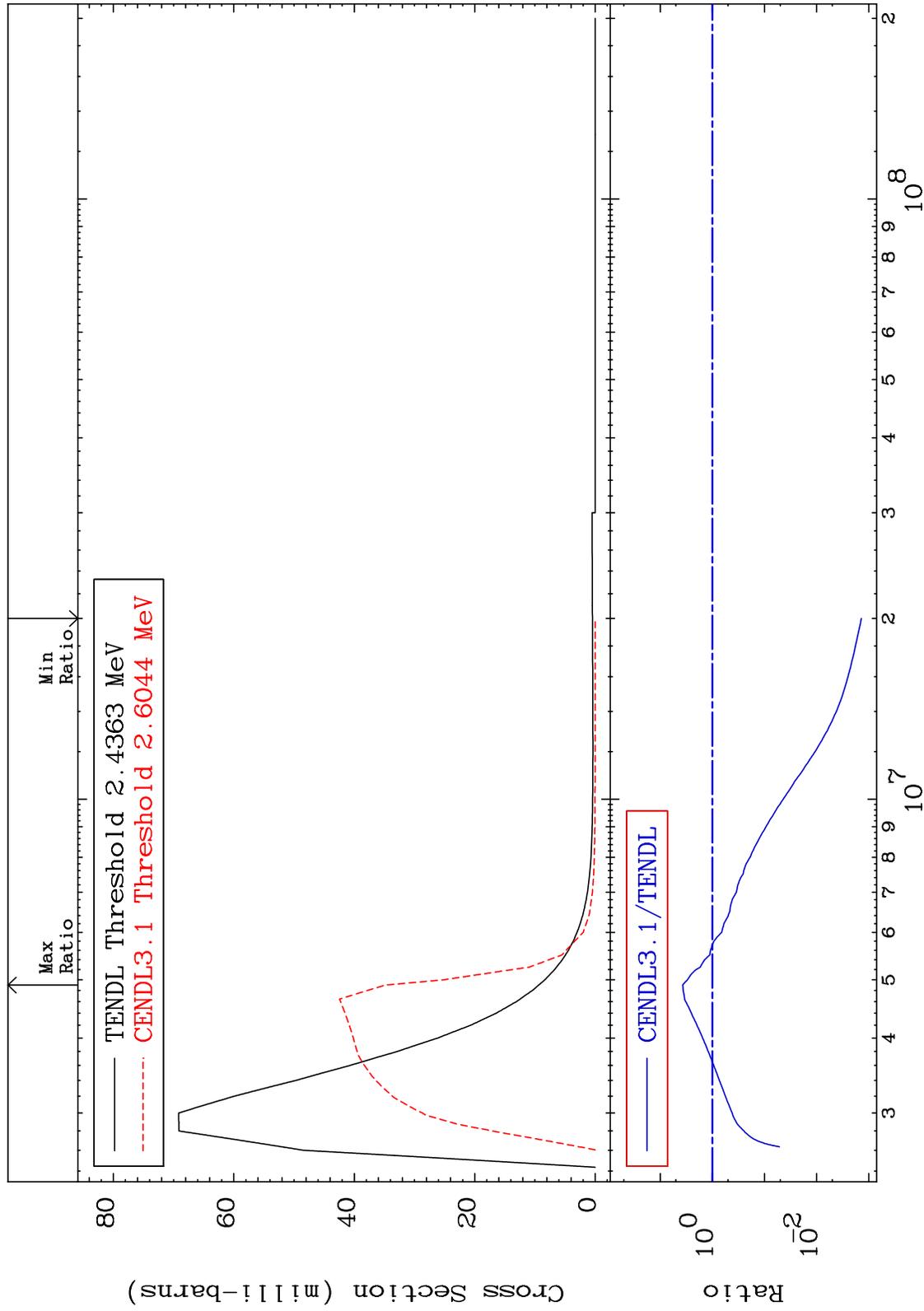
MAT 3237 MT= 62 (n,n') Level Cross Section 32-Ge-74  
 -99.87 To 307.2 %



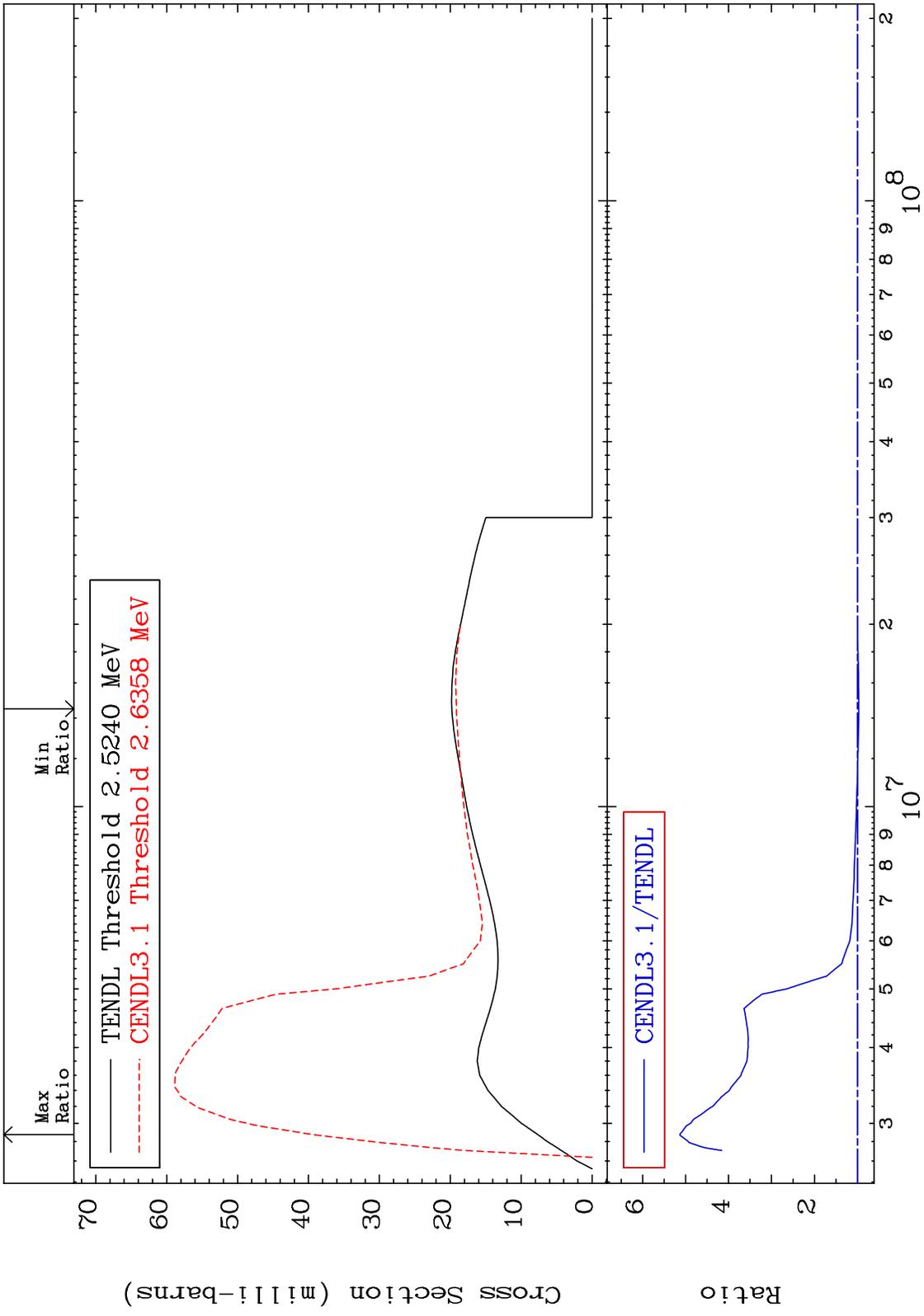
MAT 3237

MT= 63 (n,n') Level  
Cross Section

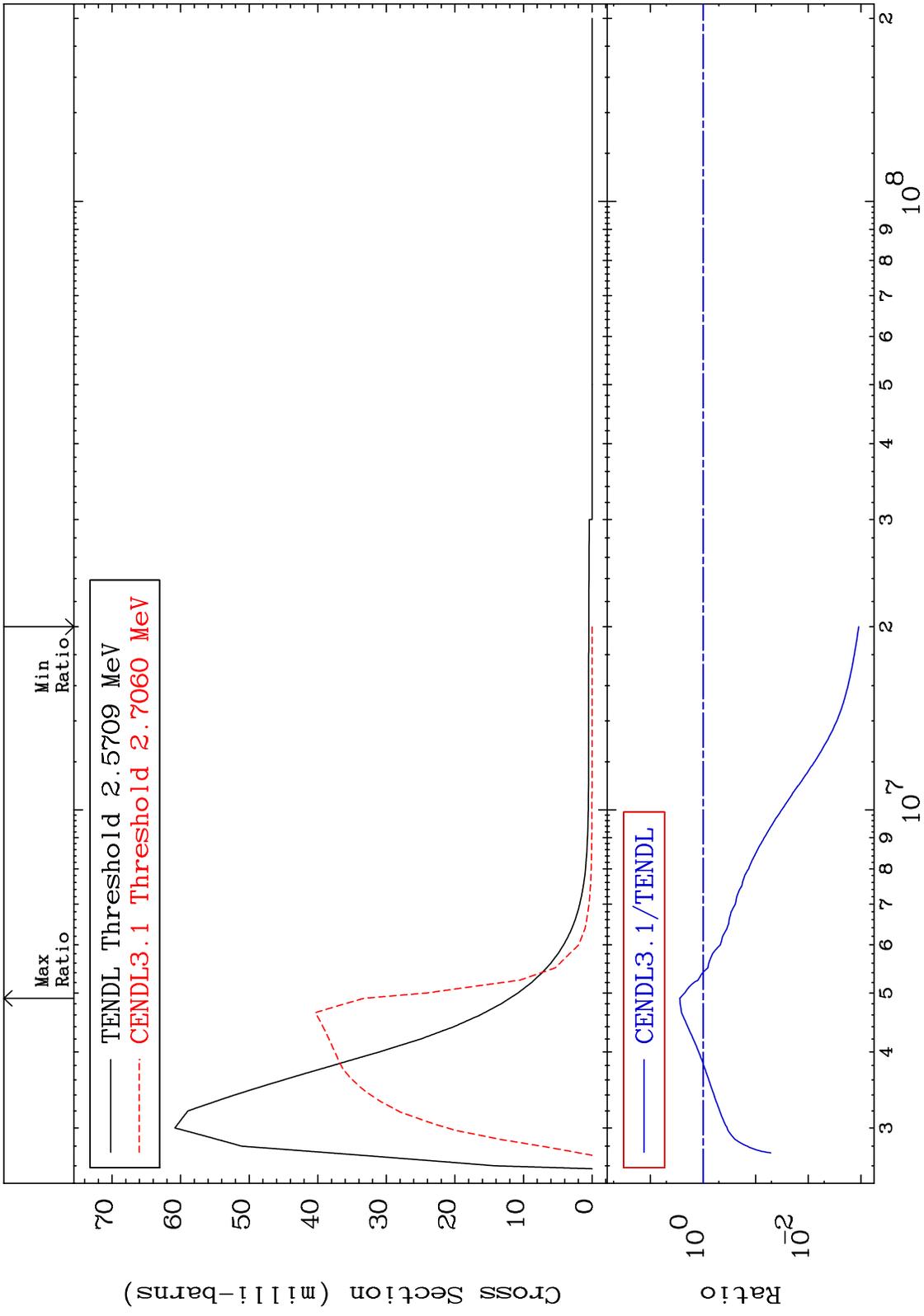
32-Ge-74  
-99.86 To 271.2 %



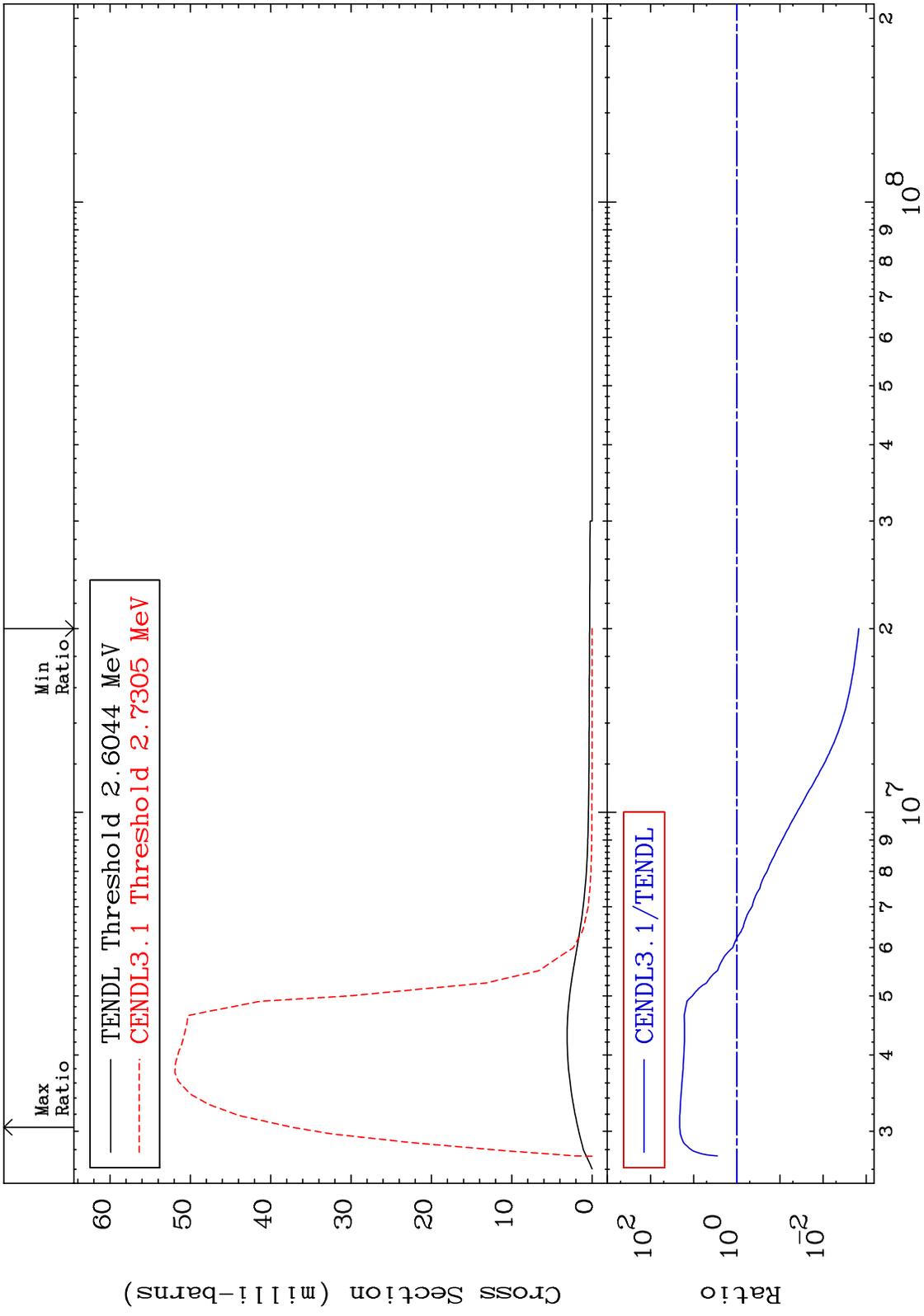
MAT 3237 MT= 64 (n,n') Level Cross Section 32-Ge-74  
 -3.239 To 413.6 %



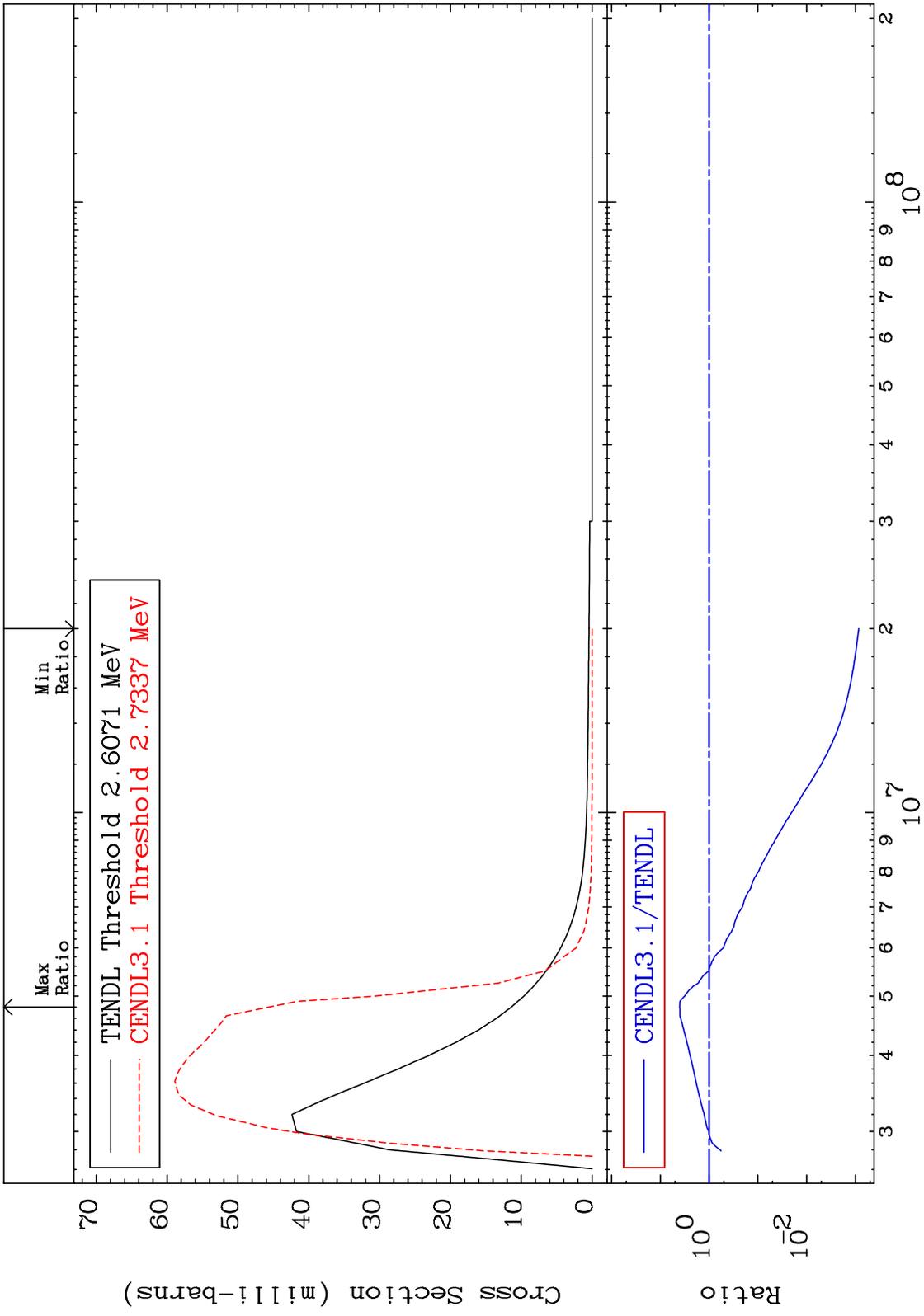
MAT 3237 MT= 65 (n,n') Level Cross Section 32-Ge-74  
 -99.89 To 176.8 %



MAT 3237 MT= 66 (n,n') Level Cross Section -99.85 To 2011. % 32-Ge-74



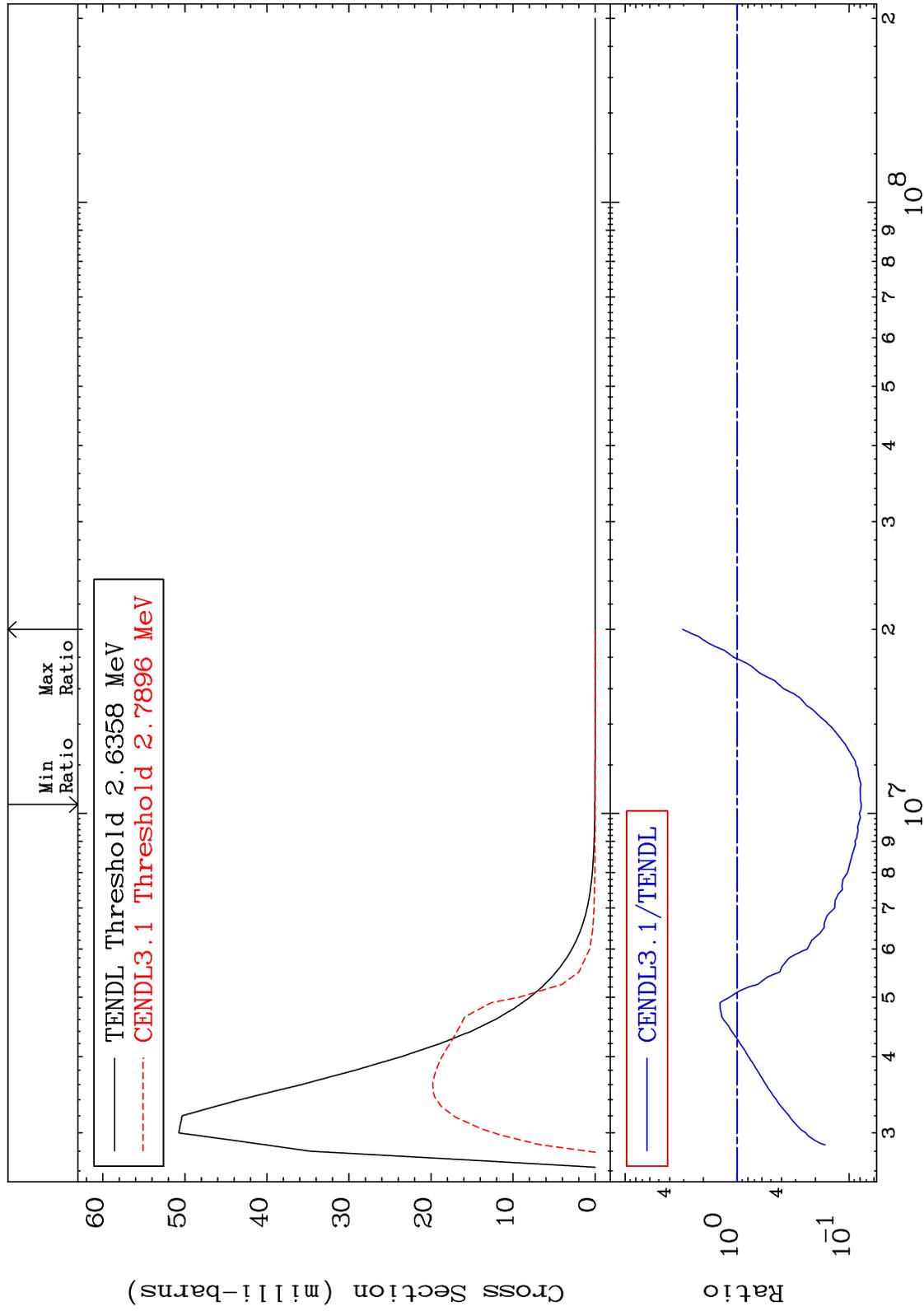
MAT 3237 MT= 67 (n,n') Level Cross Section -99.91 To 301.1 % 32-Ge-74



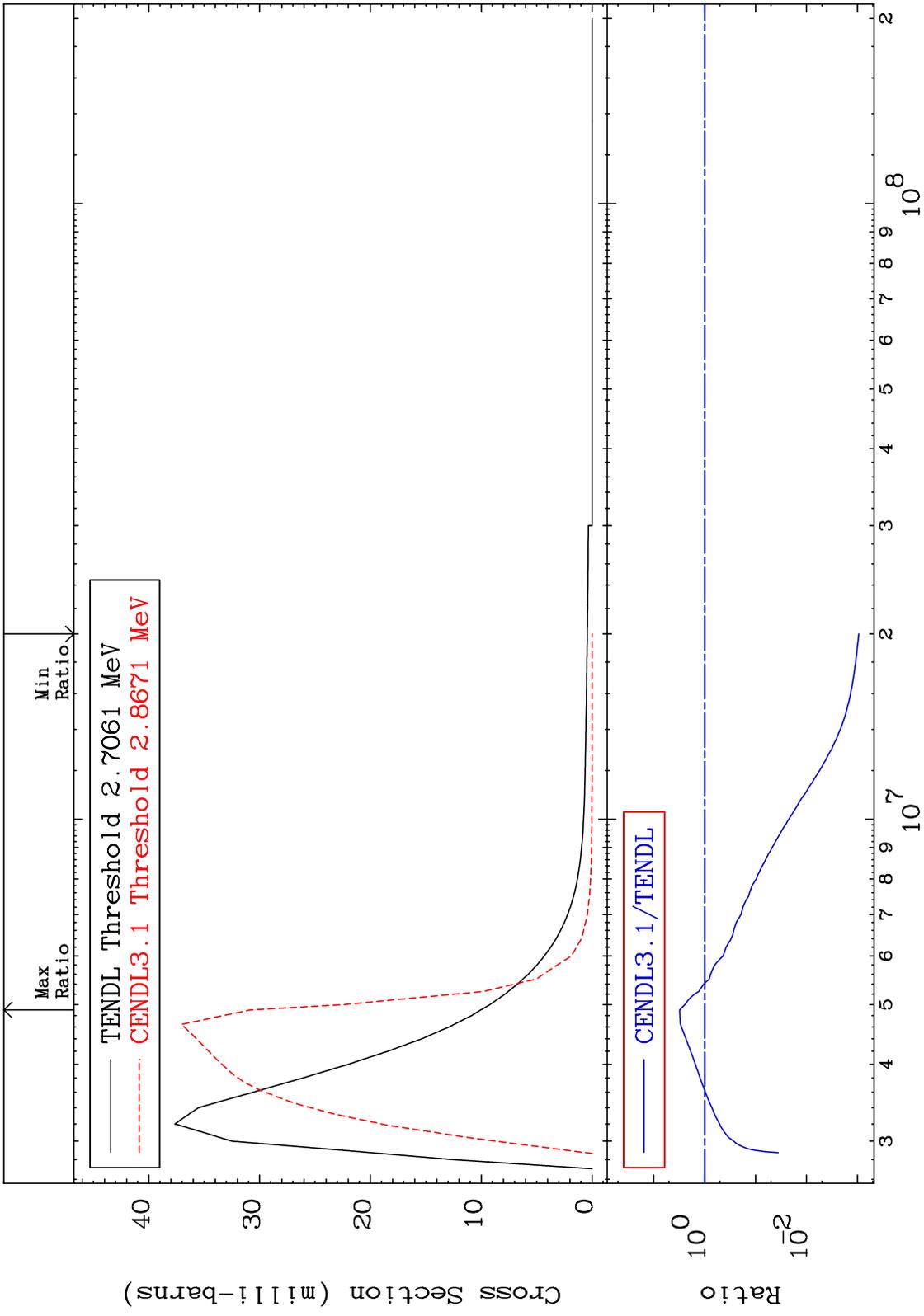
MAT 3237

MT= 68 (n,n') Level  
Cross Section

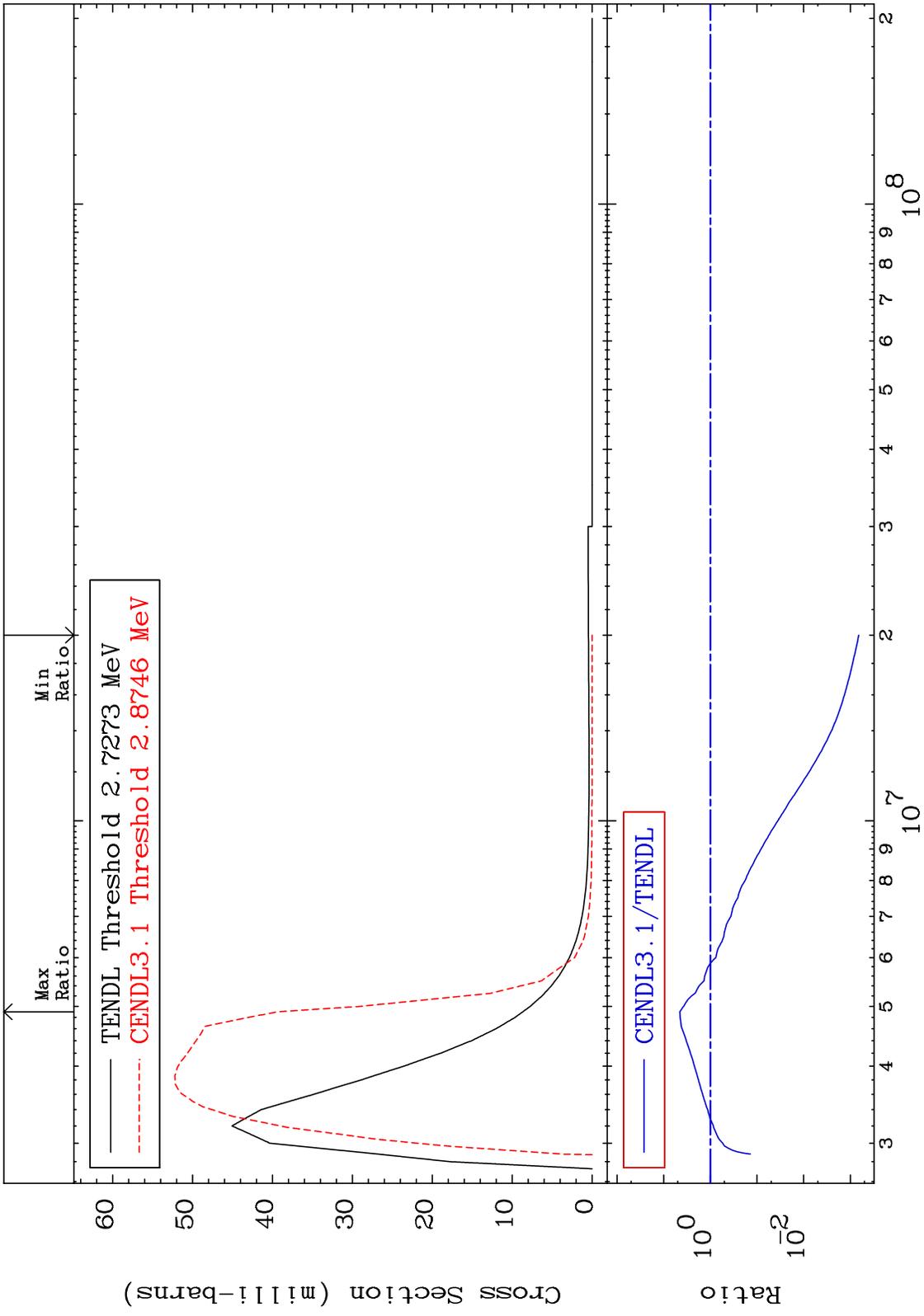
32-Ge-74  
-92.24 To 205.8 %



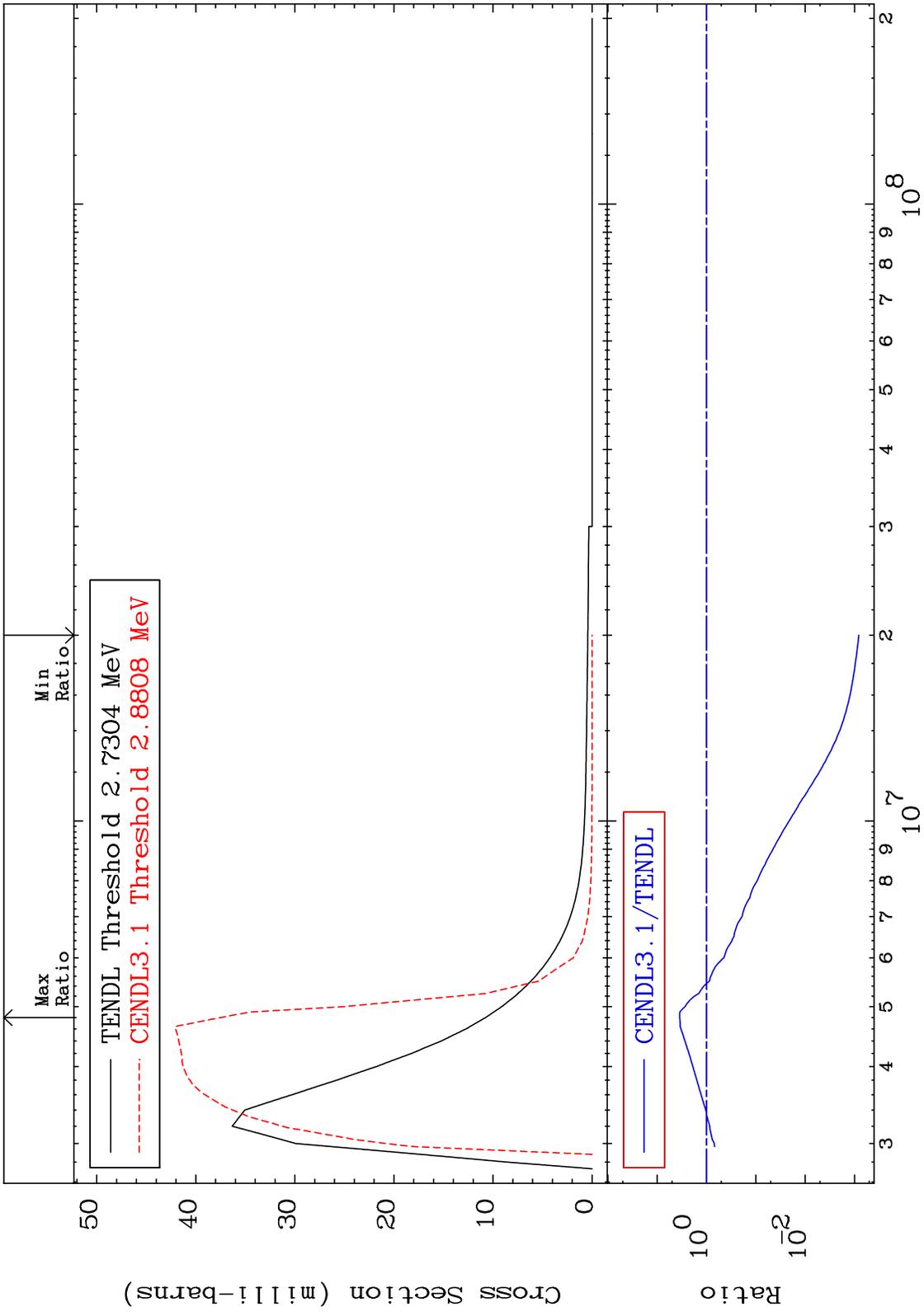
MAT 3237 MT= 69 (n,n') Level Cross Section -99.91 To 207.1 % 32-Ge-74



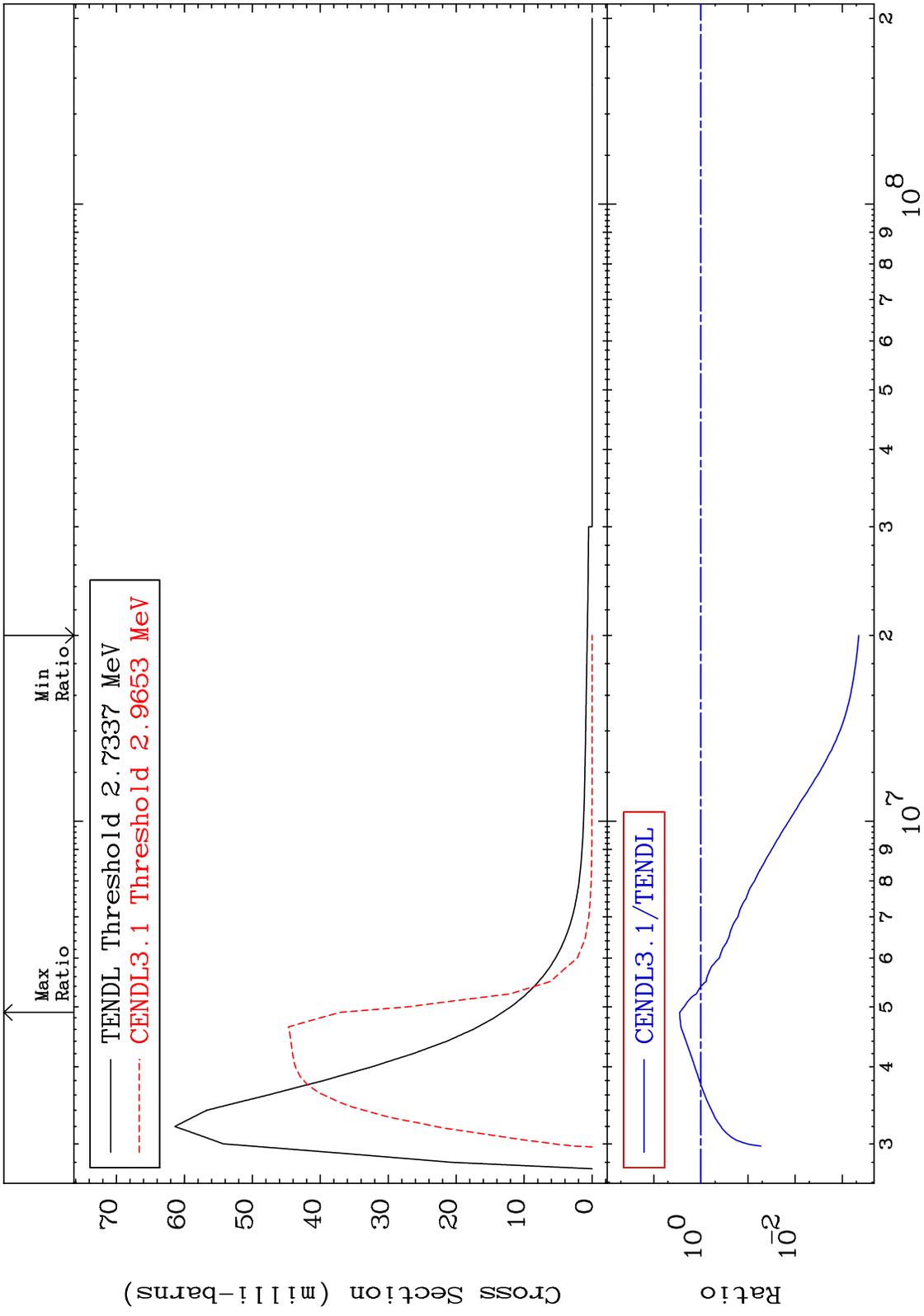
MAT 3237 MT= 70 (n,n') Level Cross Section 32-Ge-74  
 -99.93 To 354.0 %



MAT 3237 MT= 71 (n,n') Level Cross Section -99.92 To 249.0 % 32-Ge-74



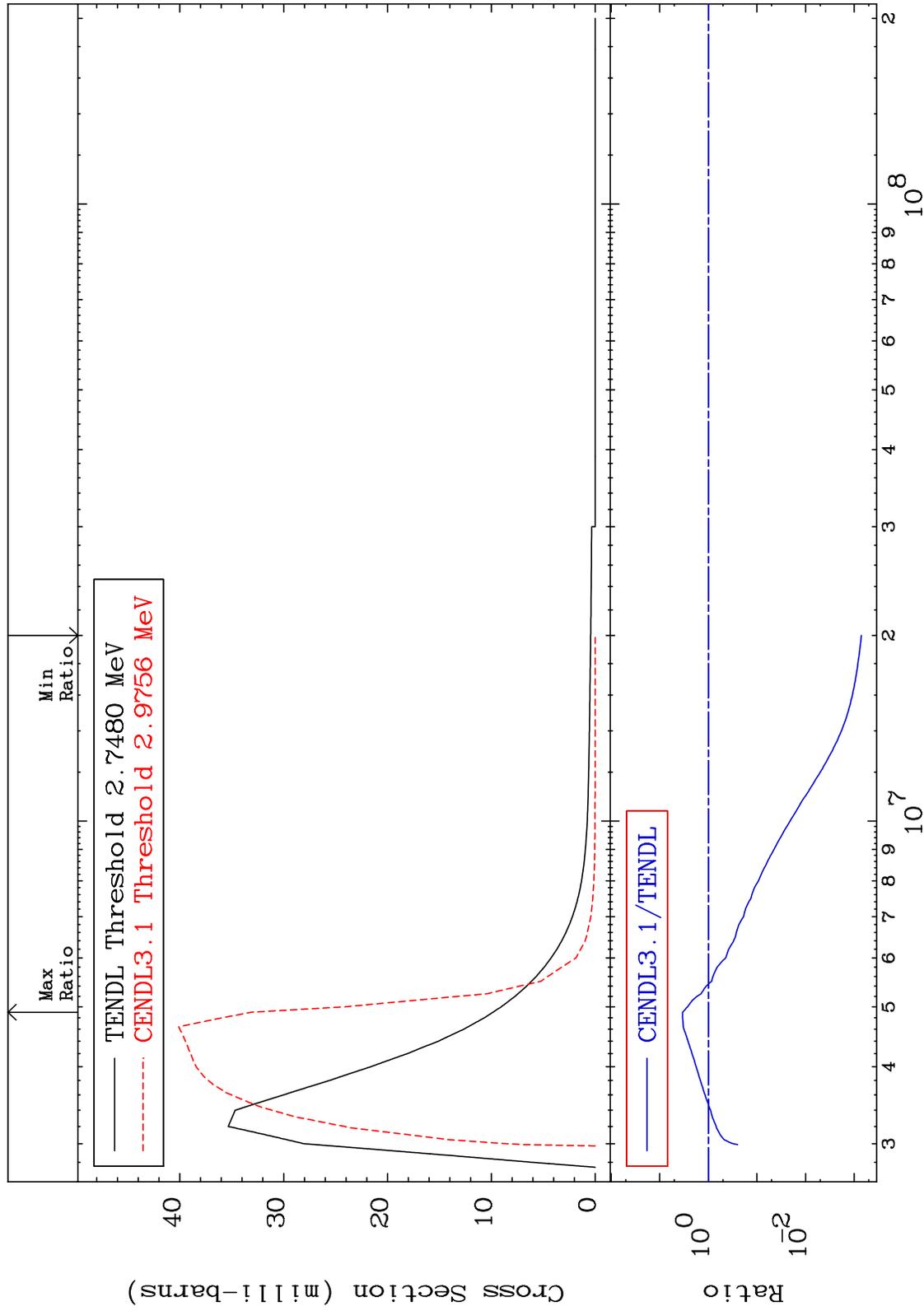
MAT 3237 MT= 72 (n,n') Level Cross Section 32-Ge-74  
 -99.96 To 181.1 %



MAT 3237

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

32-Ge-74  
-99.93 To 236.4 %

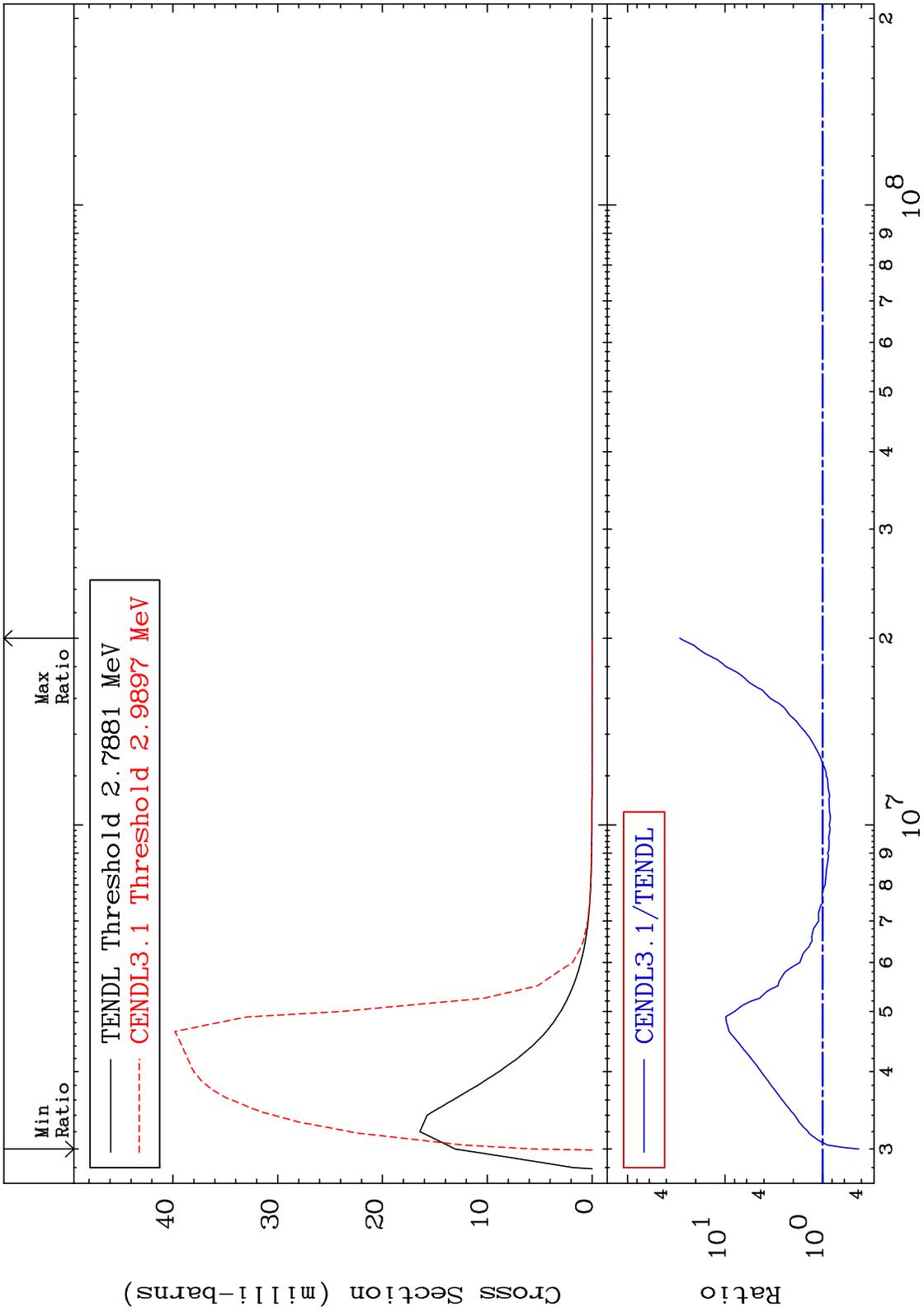


30

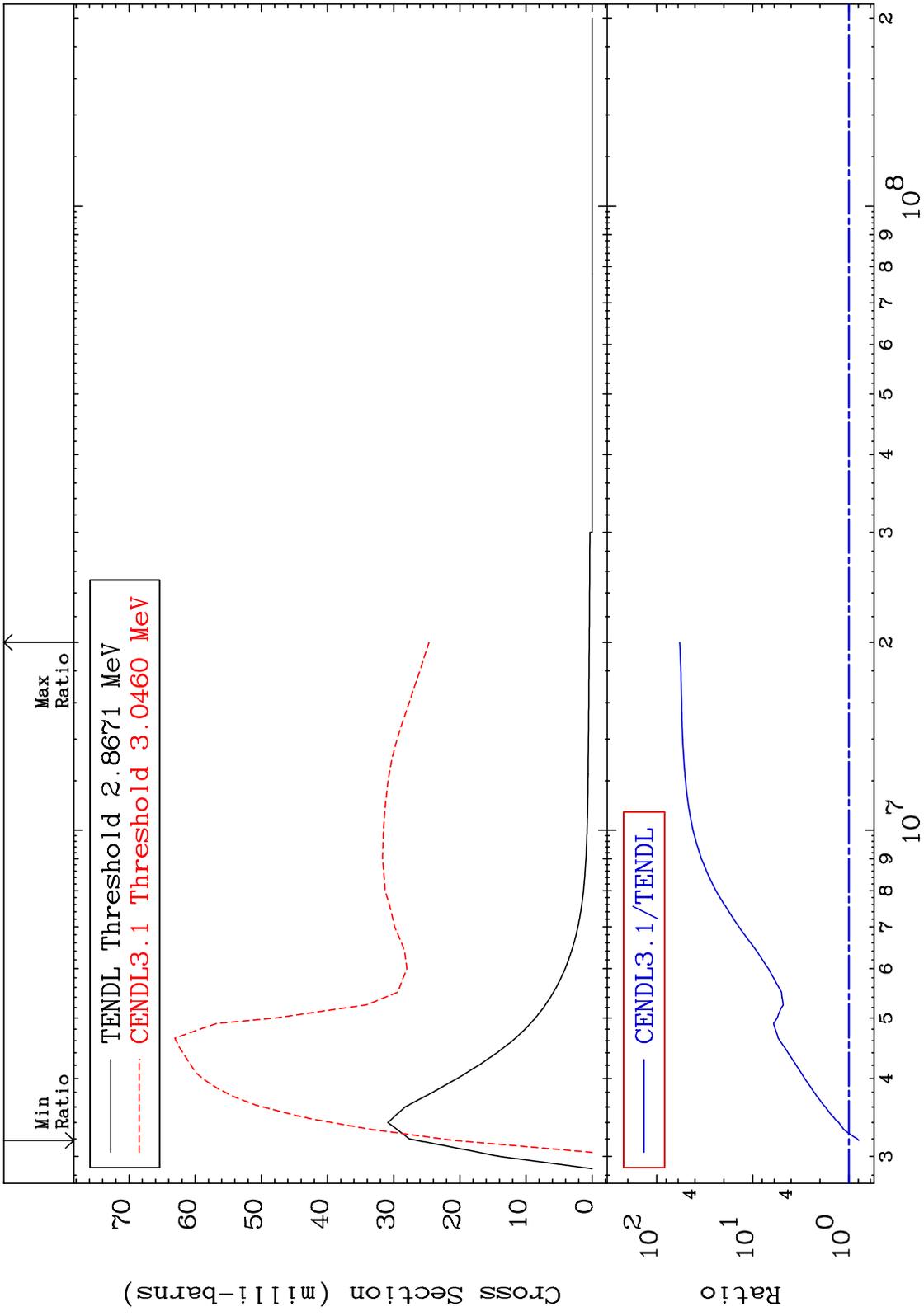
32-Ge-74

32-Ge-74

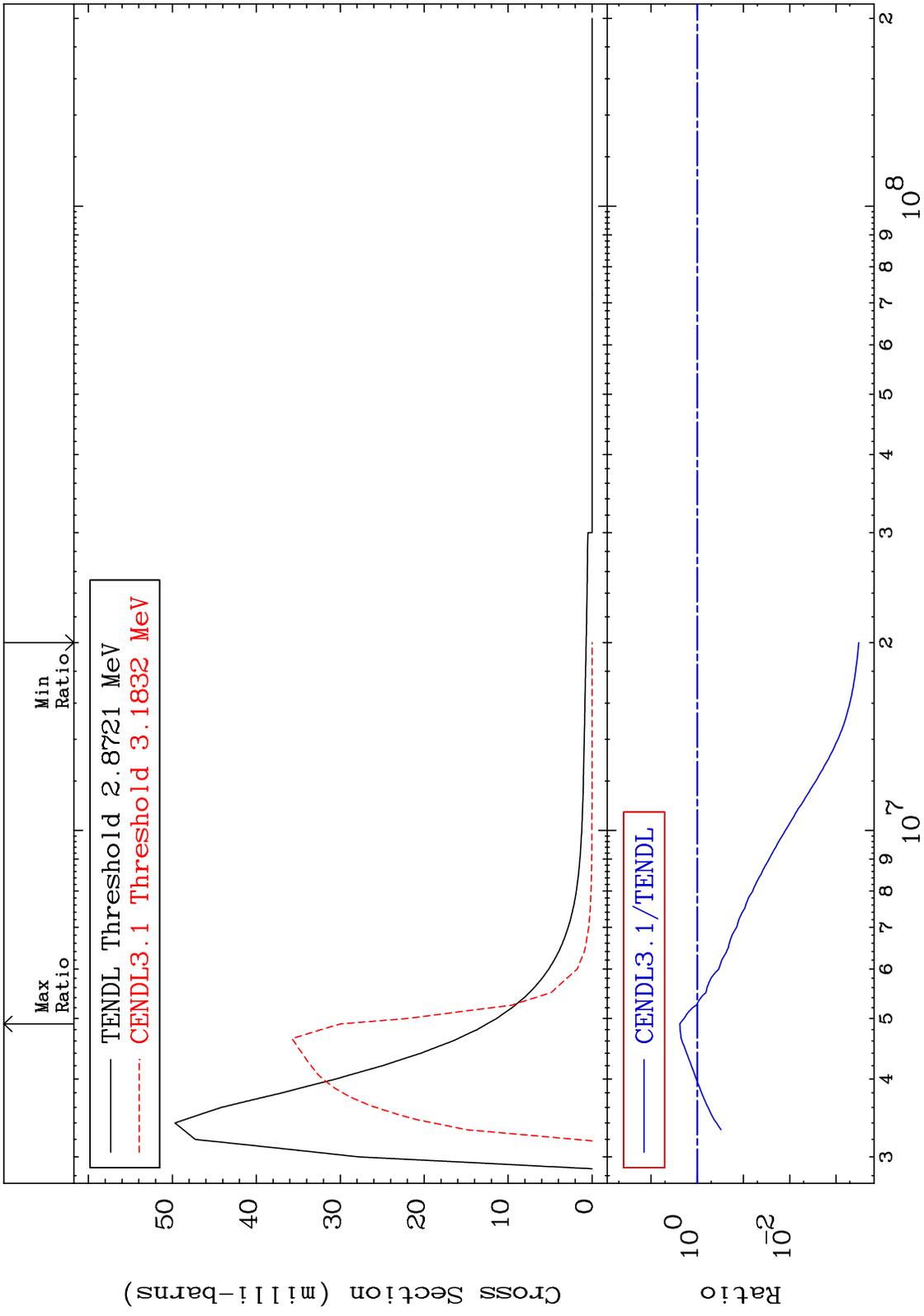
MAT 3237 MT= 74 (n,n') Level Cross Section 32-Ge-74  
 -57.39 To 2817. %



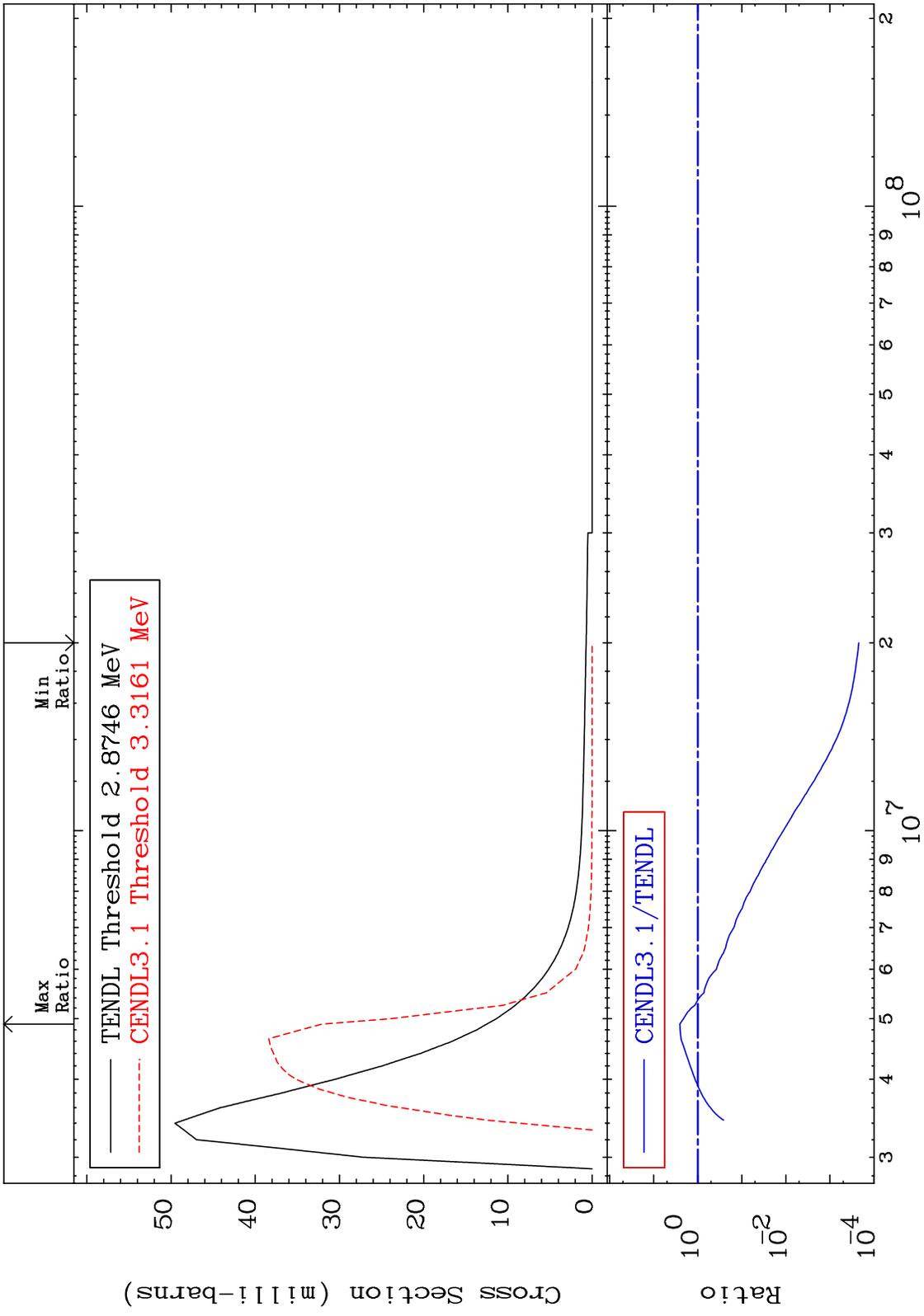
MAT 3237 MT= 75 (n,n') Level Cross Section 32-Ge-74  
 -20.94 To 5660. %



MAT 3237 MT= 76 (n,n') Level Cross Section 32-Ge-74  
 -99.97 To 139.3 %

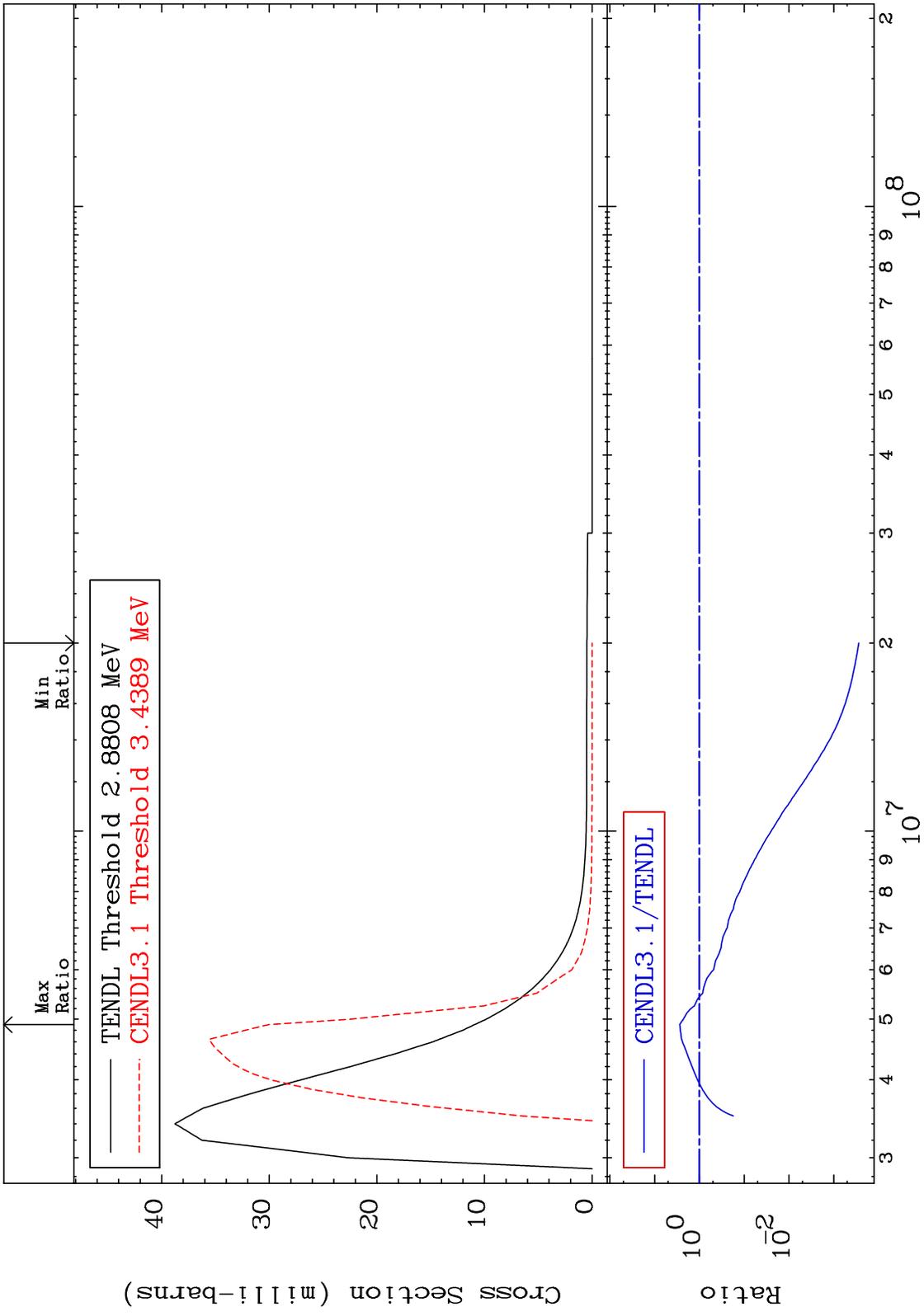


MAT 3237 MT= 77 (n,n') Level Cross Section 32-Ge-74  
 -99.98 To 156.4 %



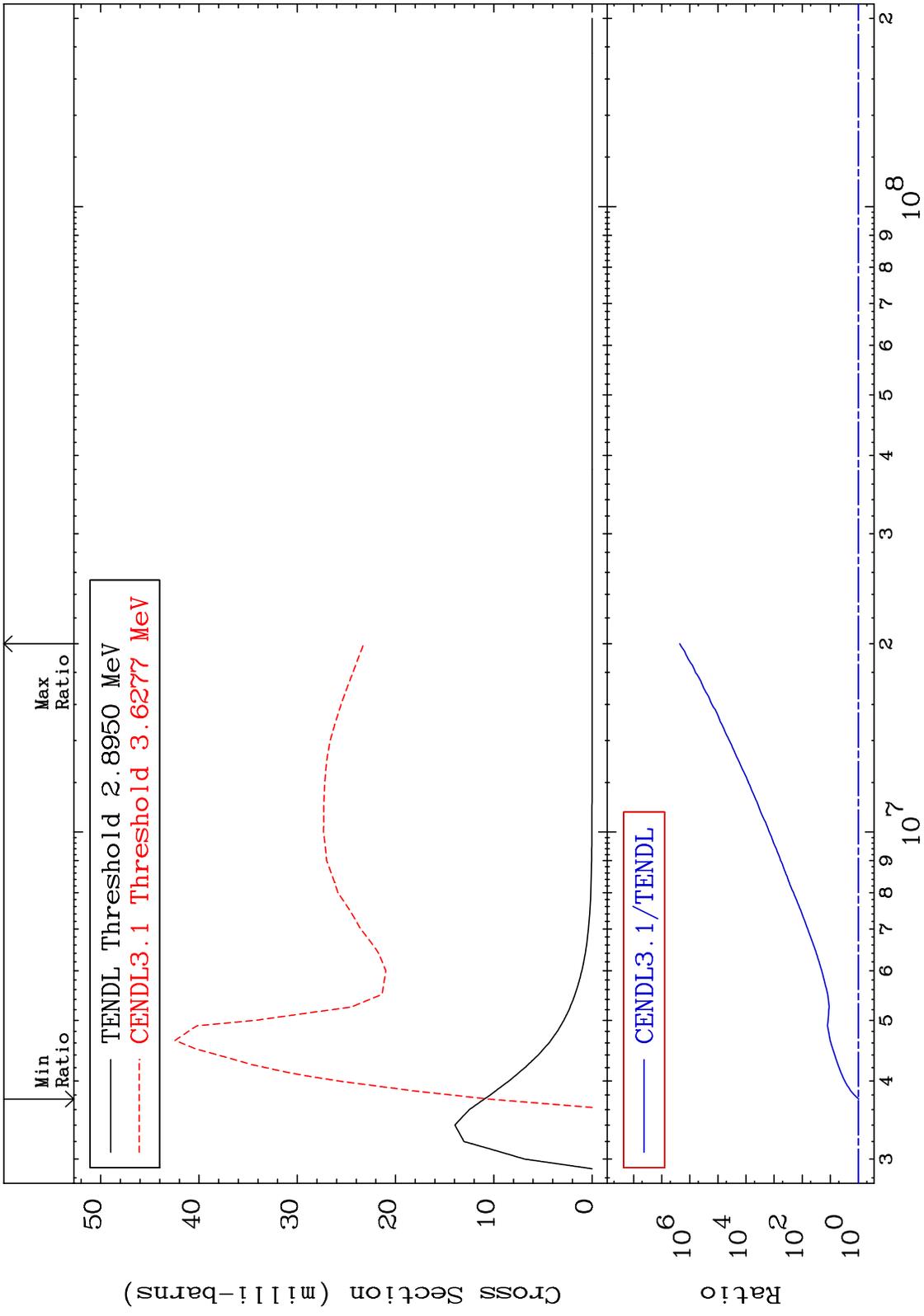
34 32-Ge-74

MAT 3237 MT= 78 (n,n') Level Cross Section 32-Ge-74  
 -99.97 To 175.4 %



35 32-Ge-74

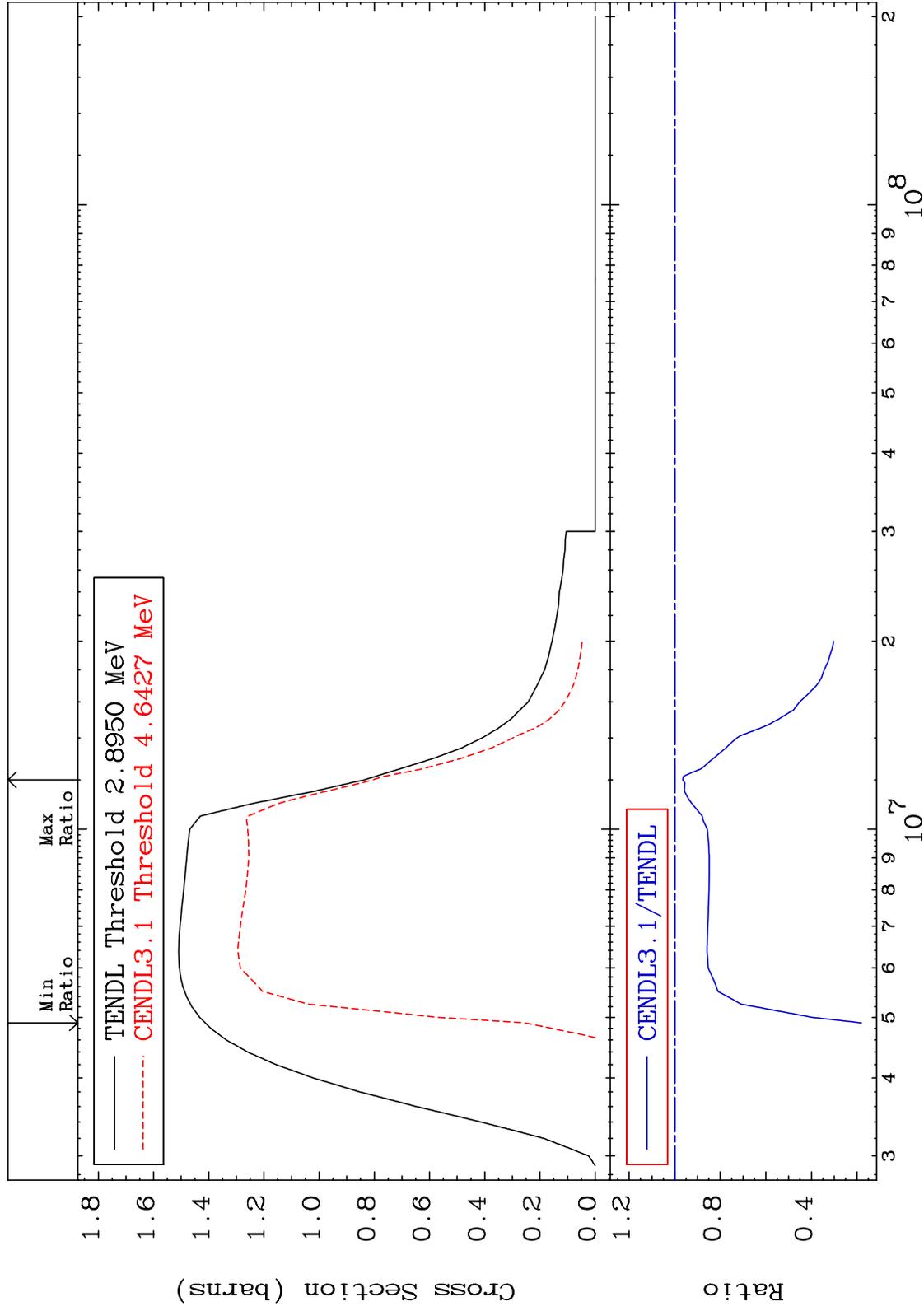
MAT 3237 MT= 79 (n,n') Level Cross Section -3.490 To 9999. % 32-Ge-74



MAT 3237

(n, n') Continuum  
Cross Section

32-Ge-74  
-81.93 To -3.497%



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Incident Energy (eV)

32-Ge-74

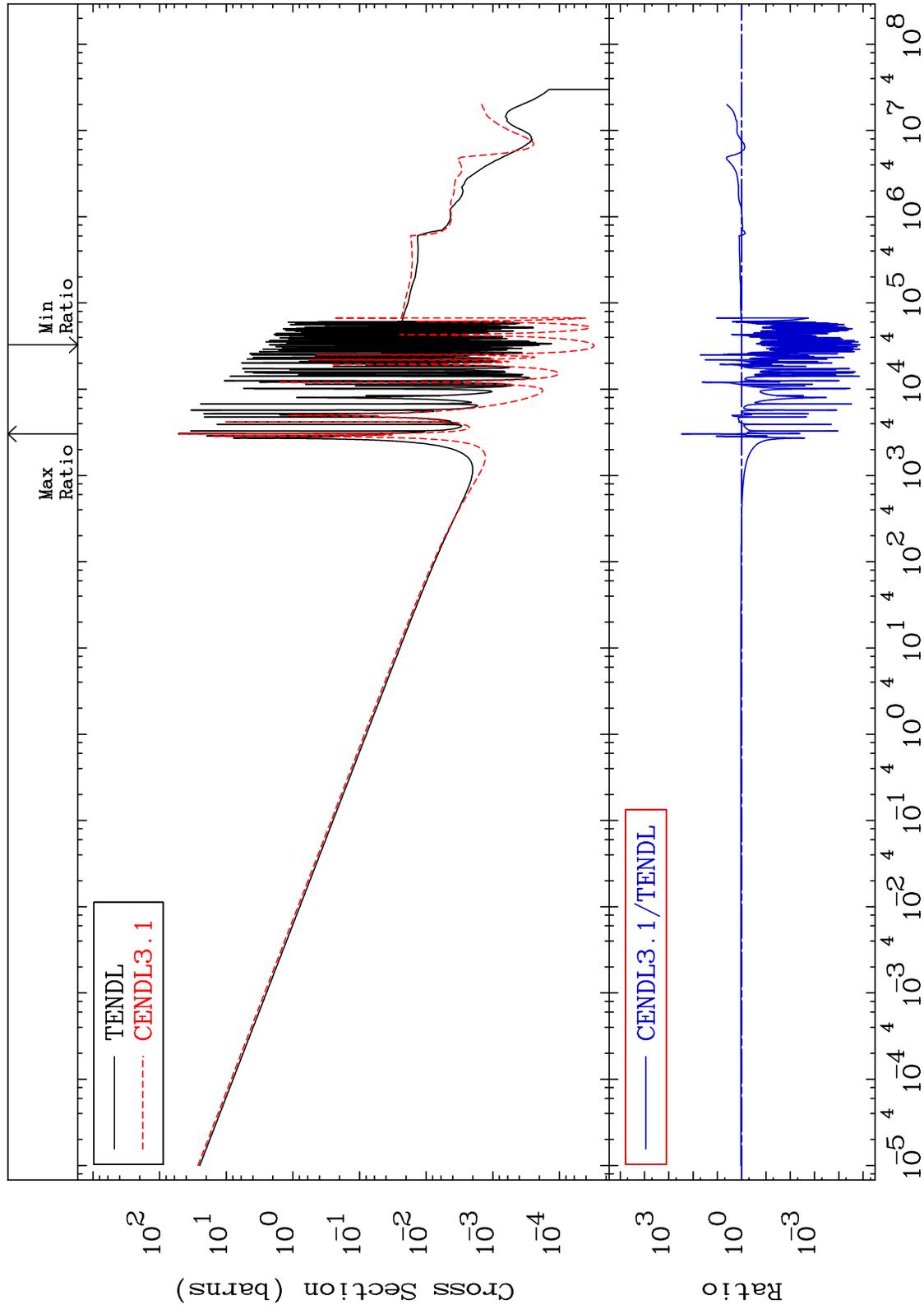
MAT 3237

(n,  $\gamma$ )

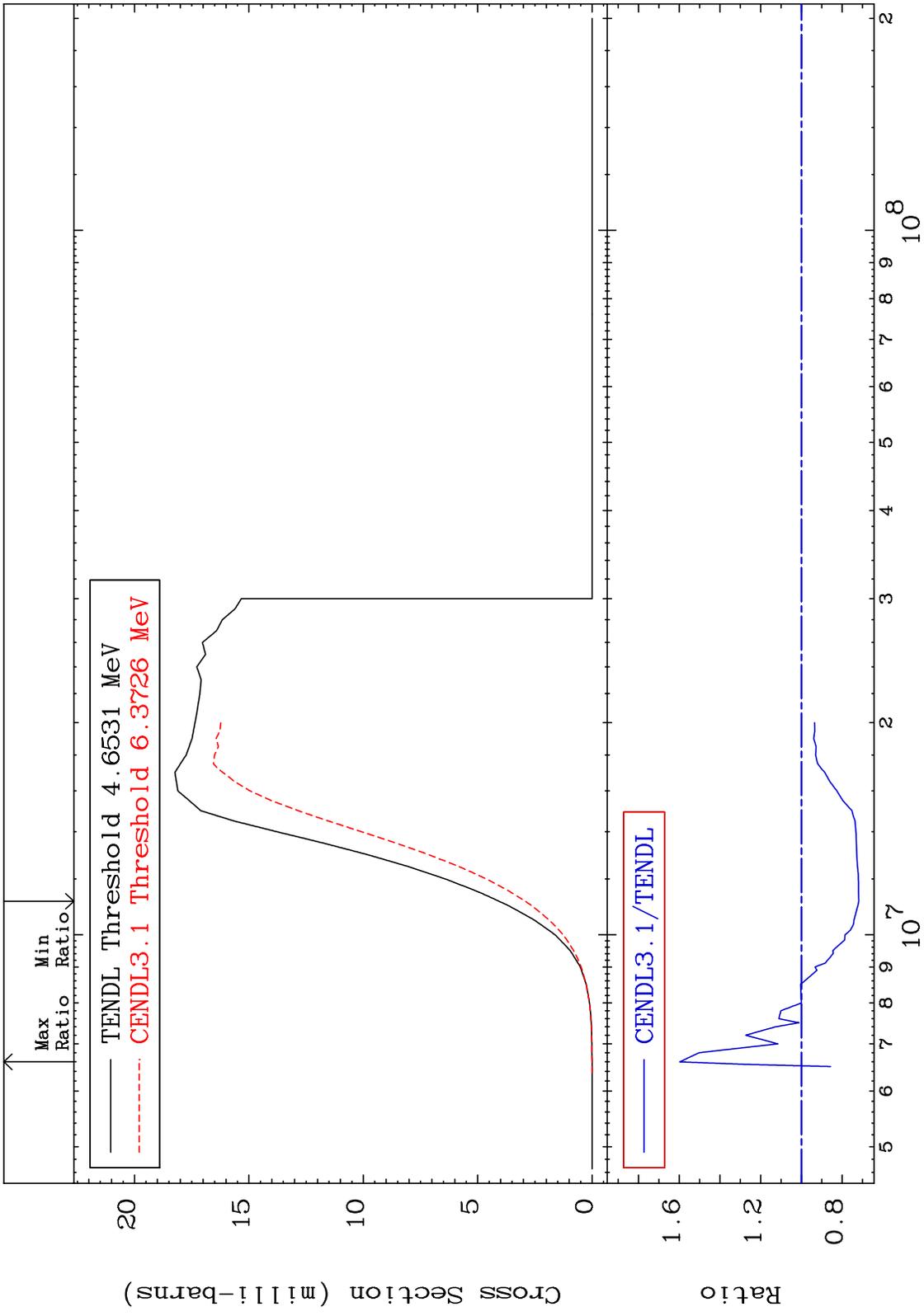
32-Ge-74

Cross Section

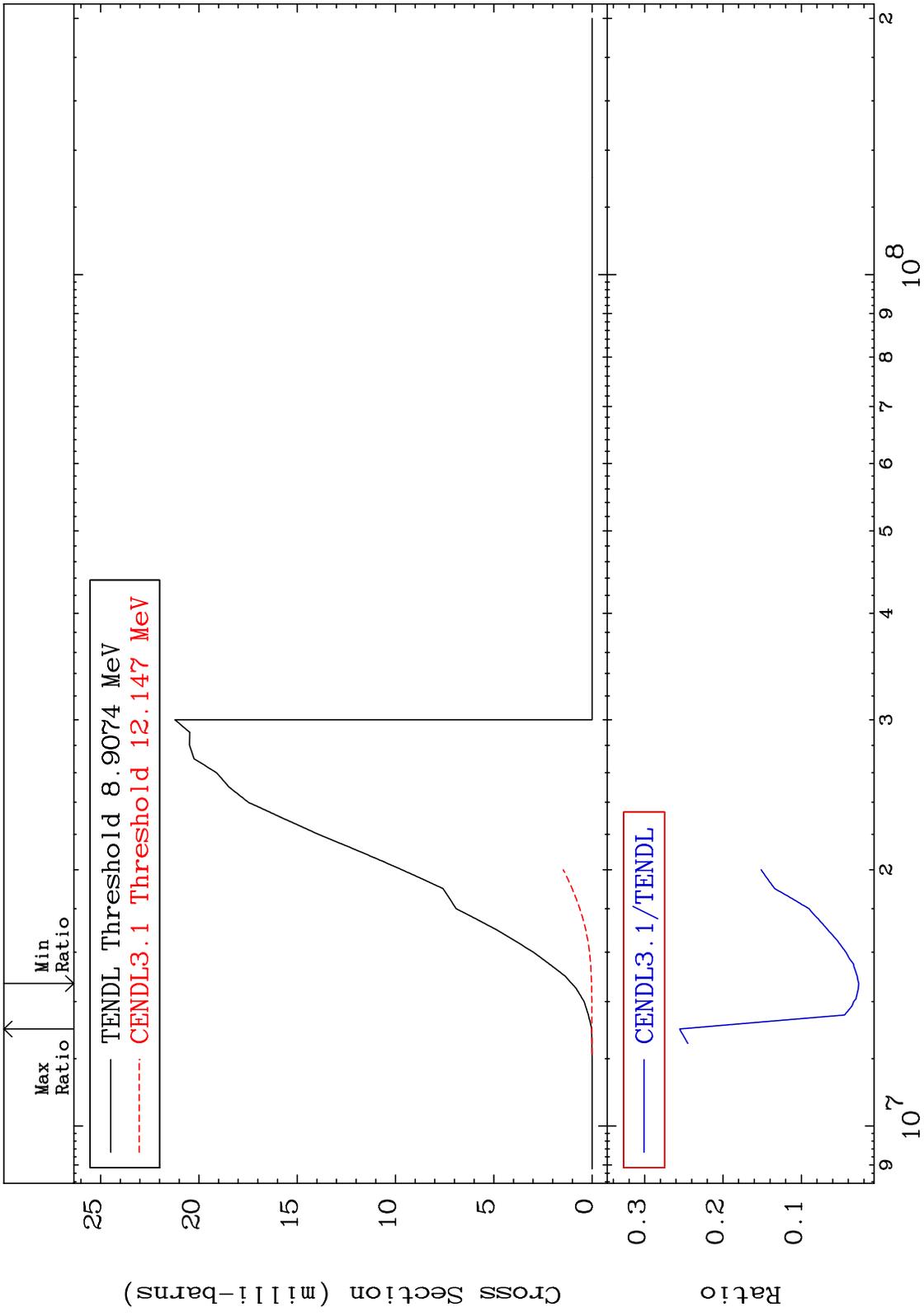
-100.0 To 9999. %



MAT 3237 (n,p) Cross Section 32-Ge-74 -28.23 To 59.74 %

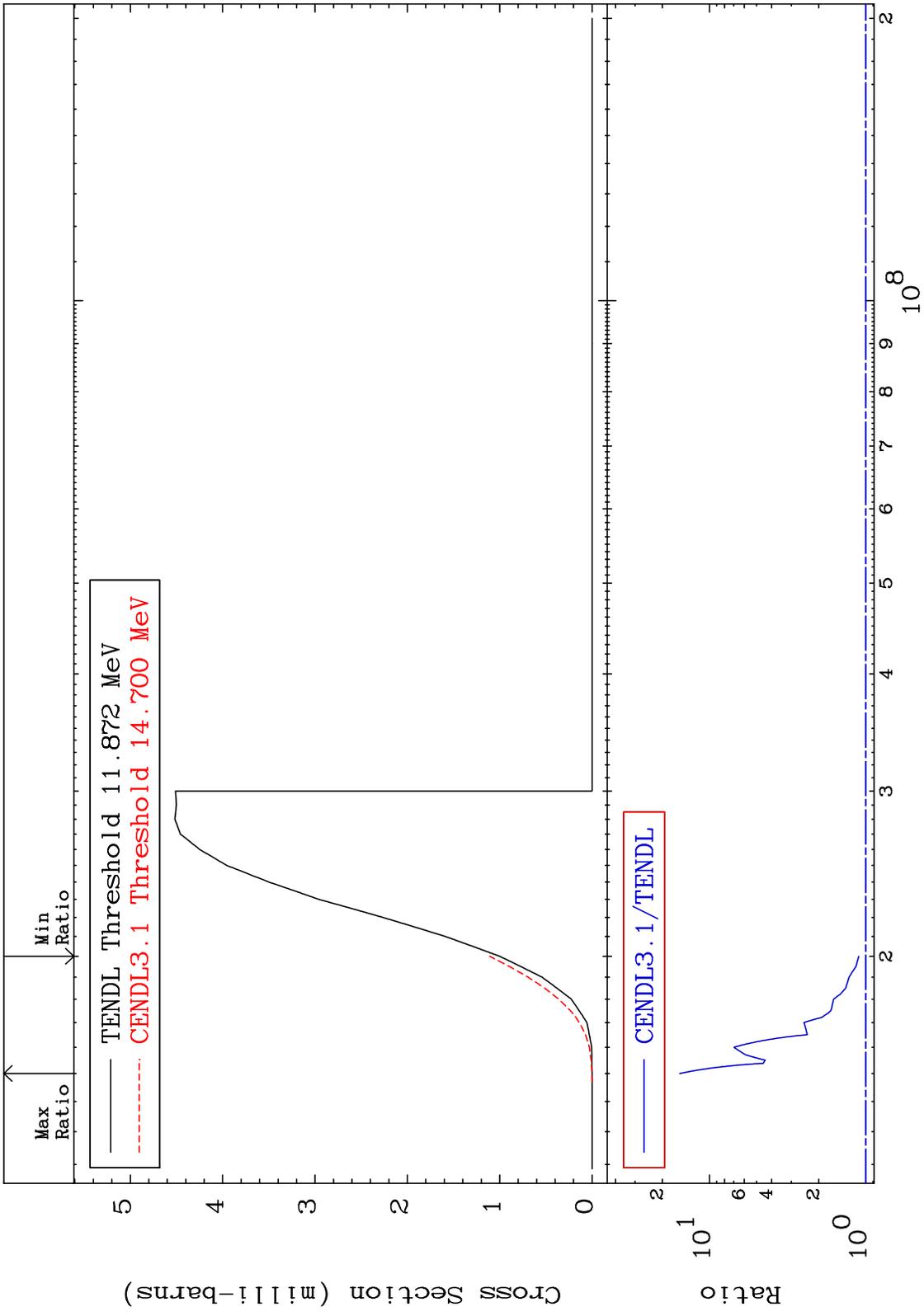


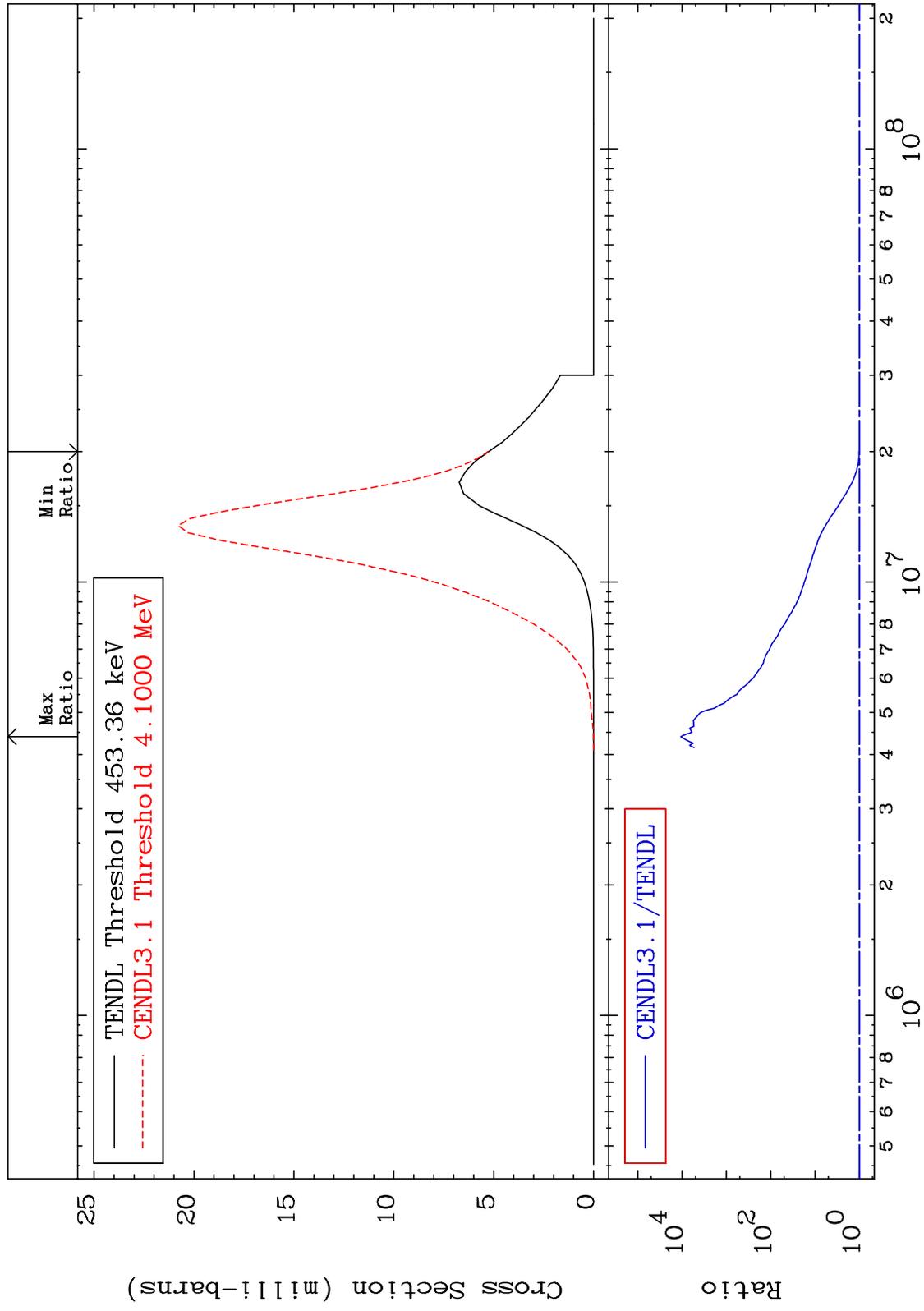
MAT 3237 (n,d) Cross Section 32-Ge-74  
-97.34 To -74.47%

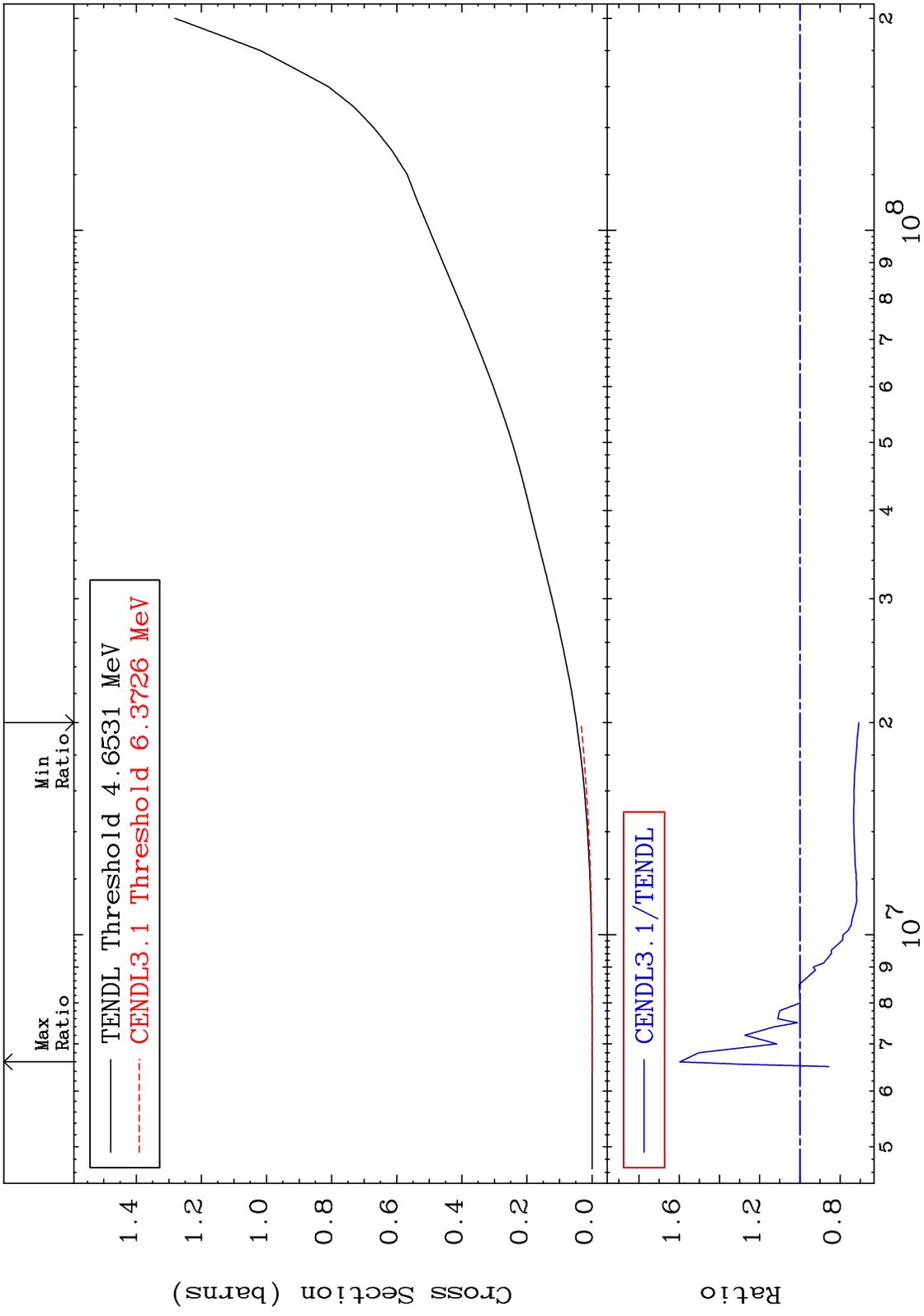


40 32-Ge-74

MAT 3237 (n,t) Cross Section 32-Ge-74 To 1451. %



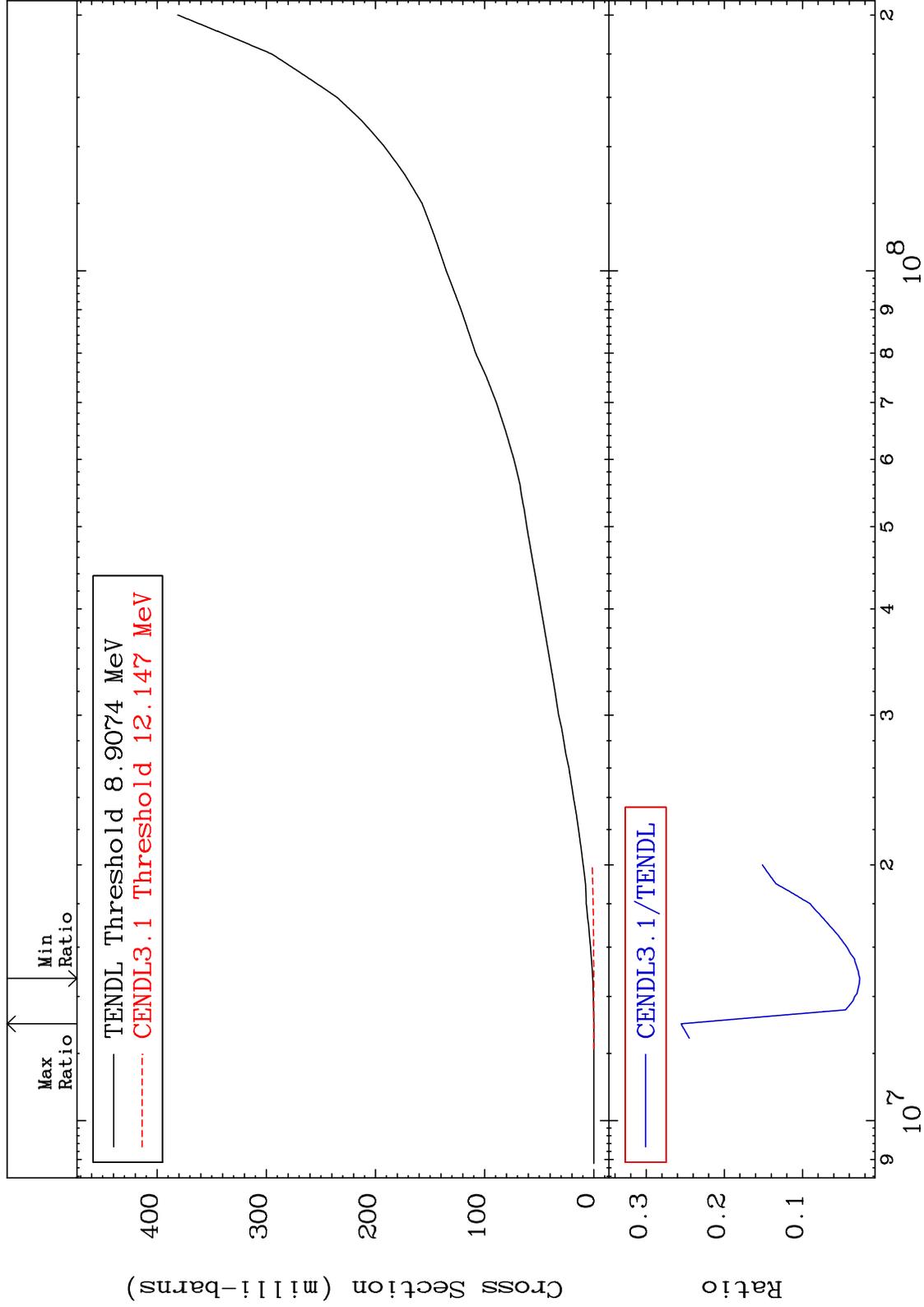




MAT 3237

Deuterium Production  
Cross Section

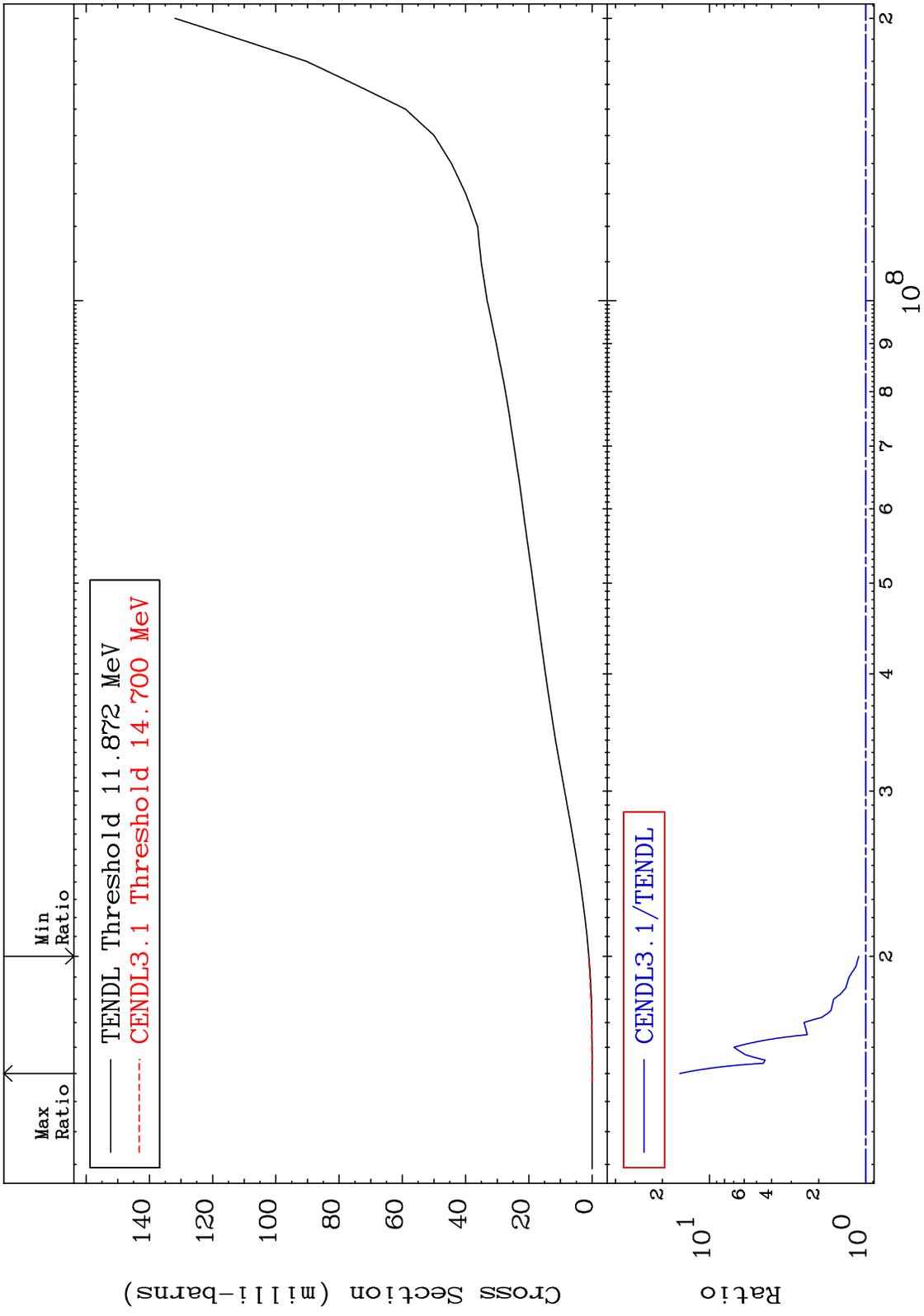
$^{32}\text{Ge-74}$   
-97.34 To -74.47%



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$^{32}\text{Ge-74}$

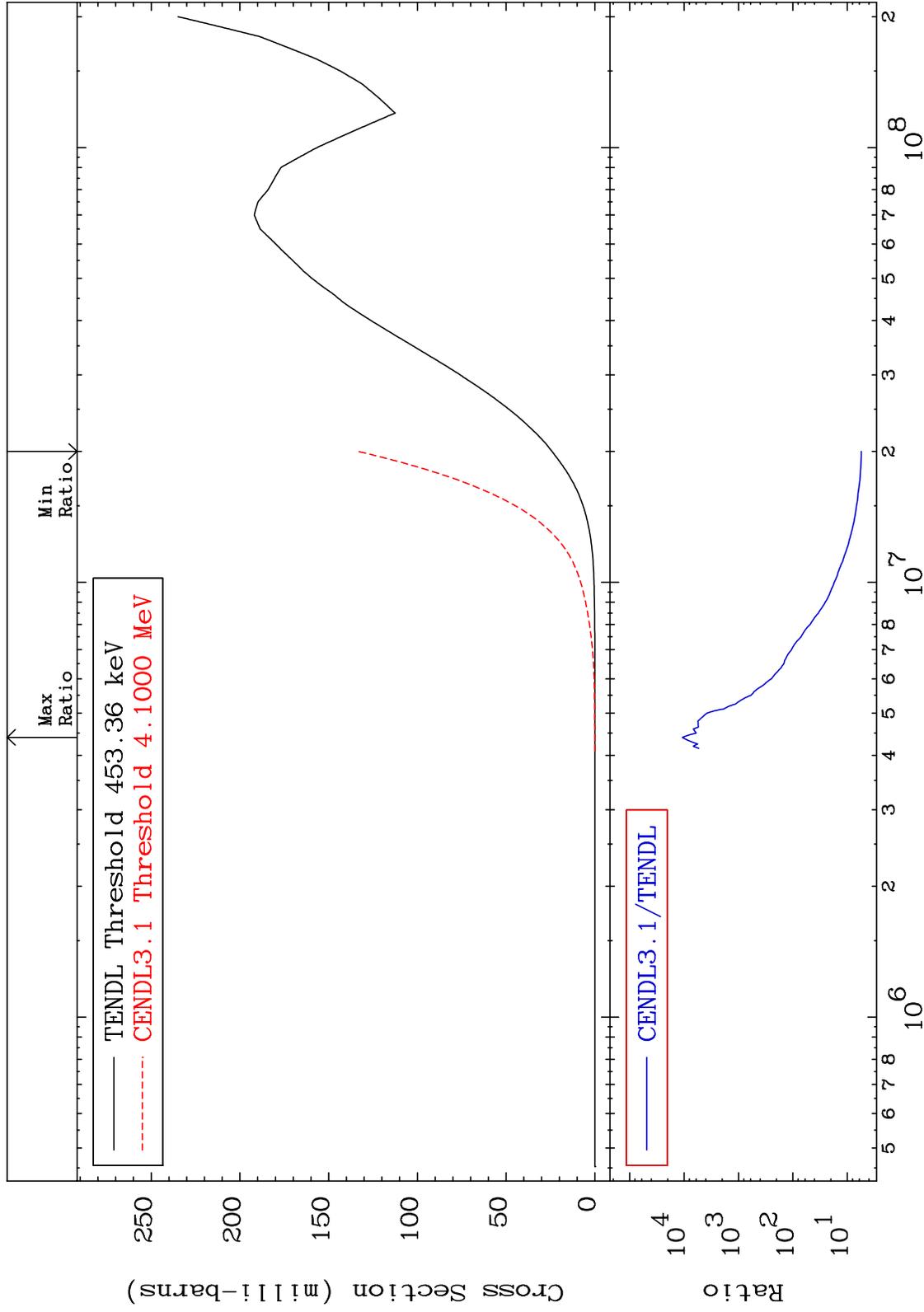
MAT 3237 Tritium Production Cross Section 32-Ge-74 To 1451. %



MAT 3237

He-4 Production  
Cross Section

32-Ge-74  
452.7 To 9999. %



46

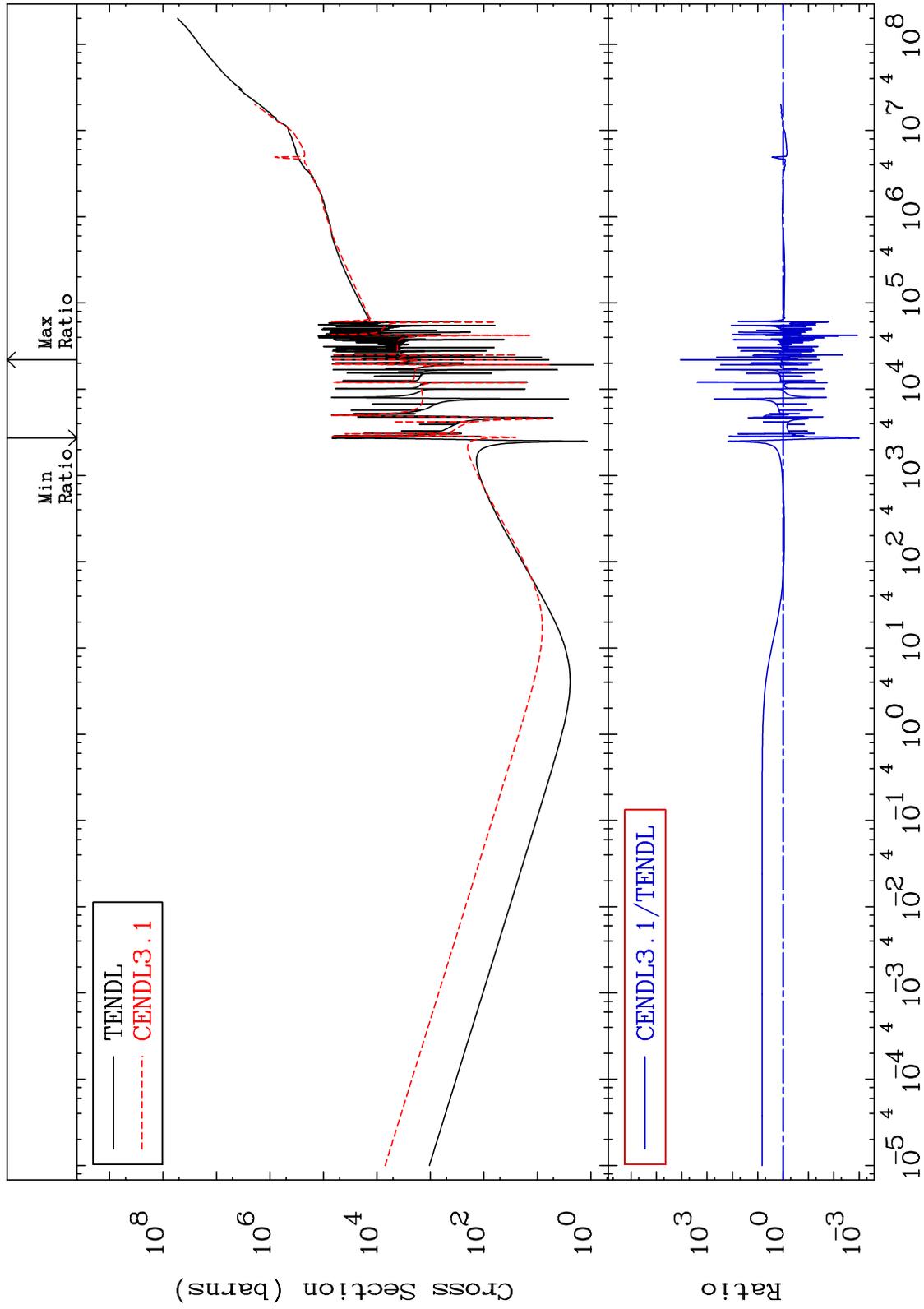
Incident Energy (eV)

32-Ge-74

MAT 3237

Kerma total (eV-barns)  
Cross Section

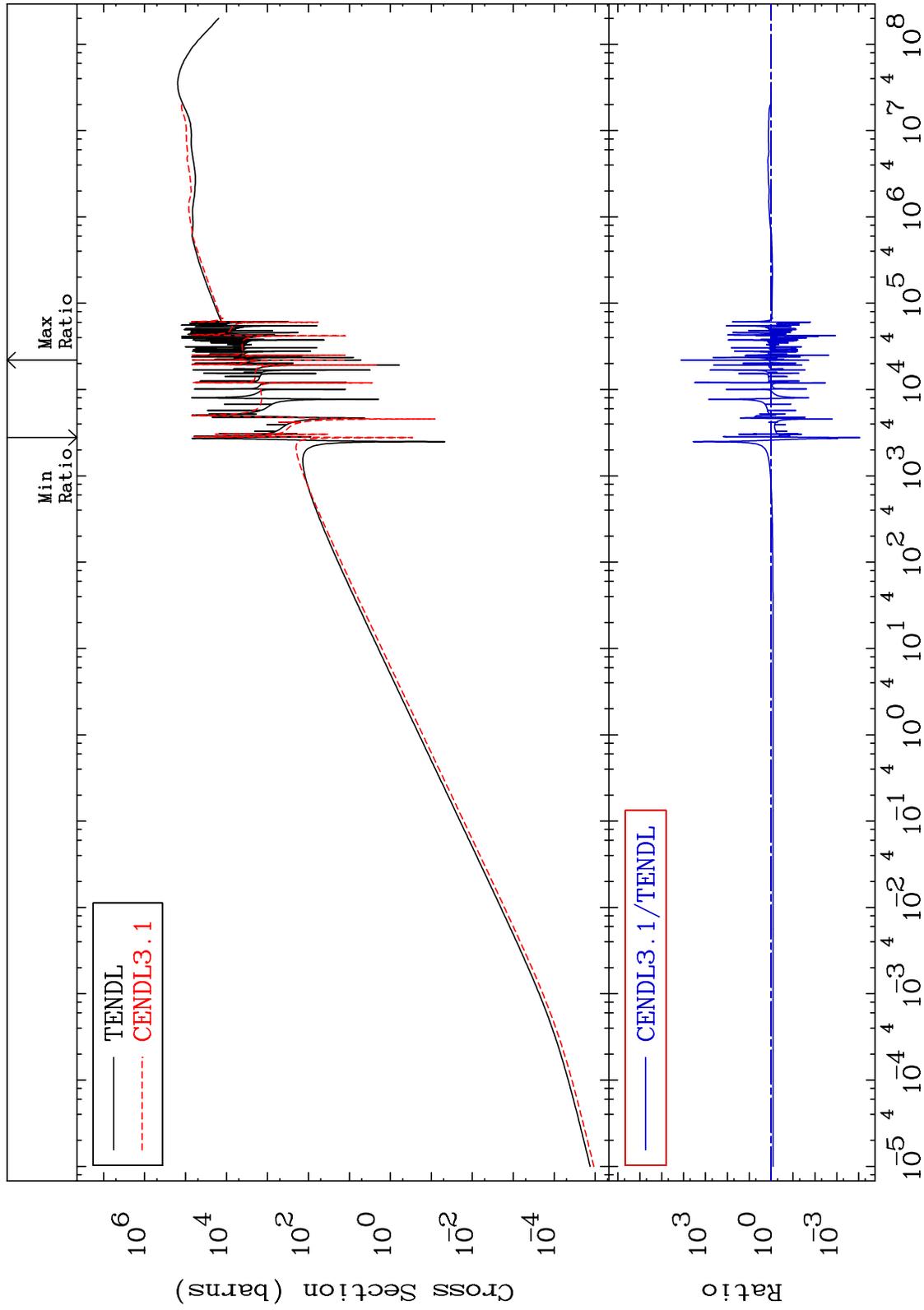
32-Ge-74  
-99.90 To 9999. %



MAT 3237

Kerma elastic  
Cross Section

32-Ge-74  
-99.99 To 9999. %

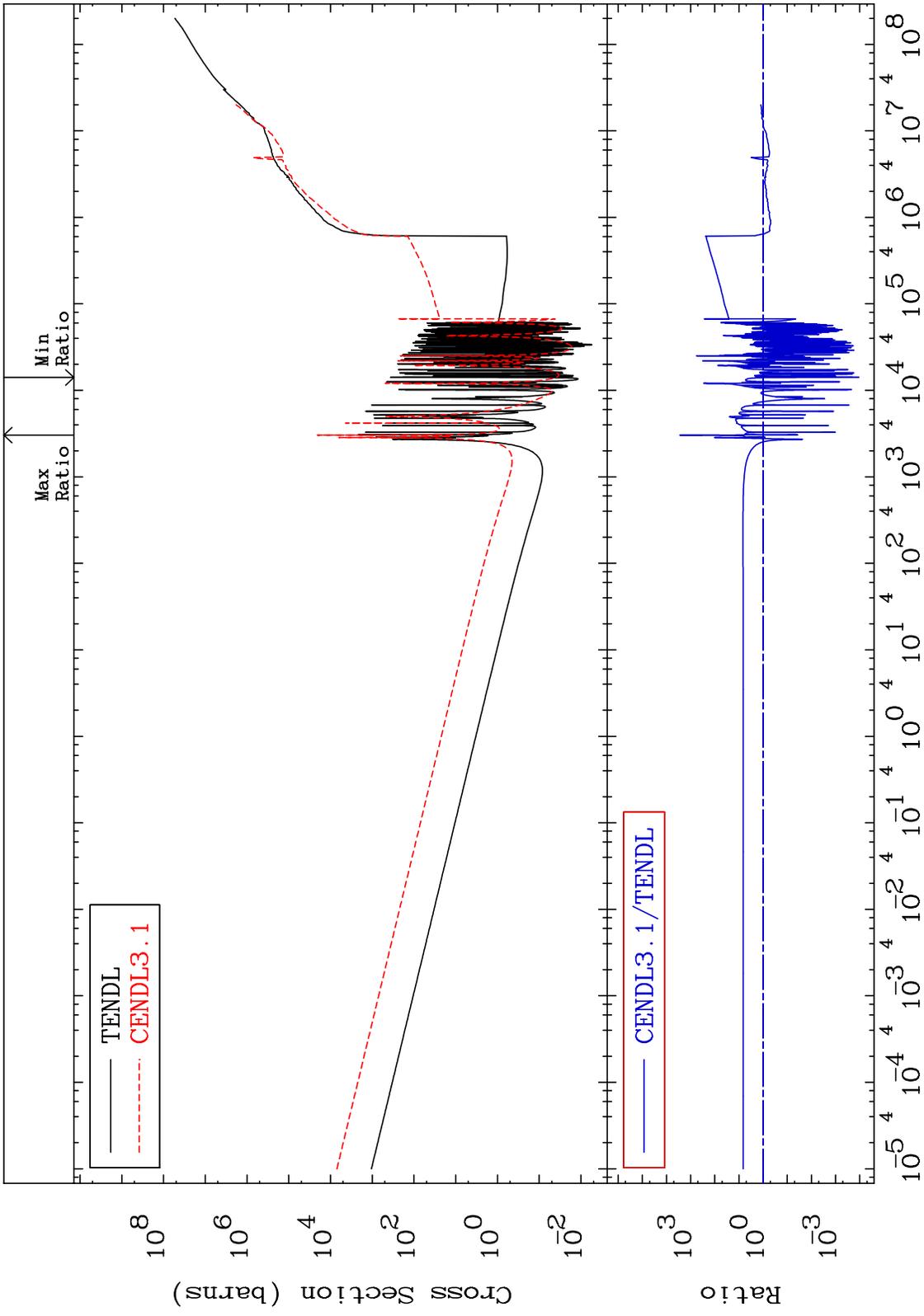


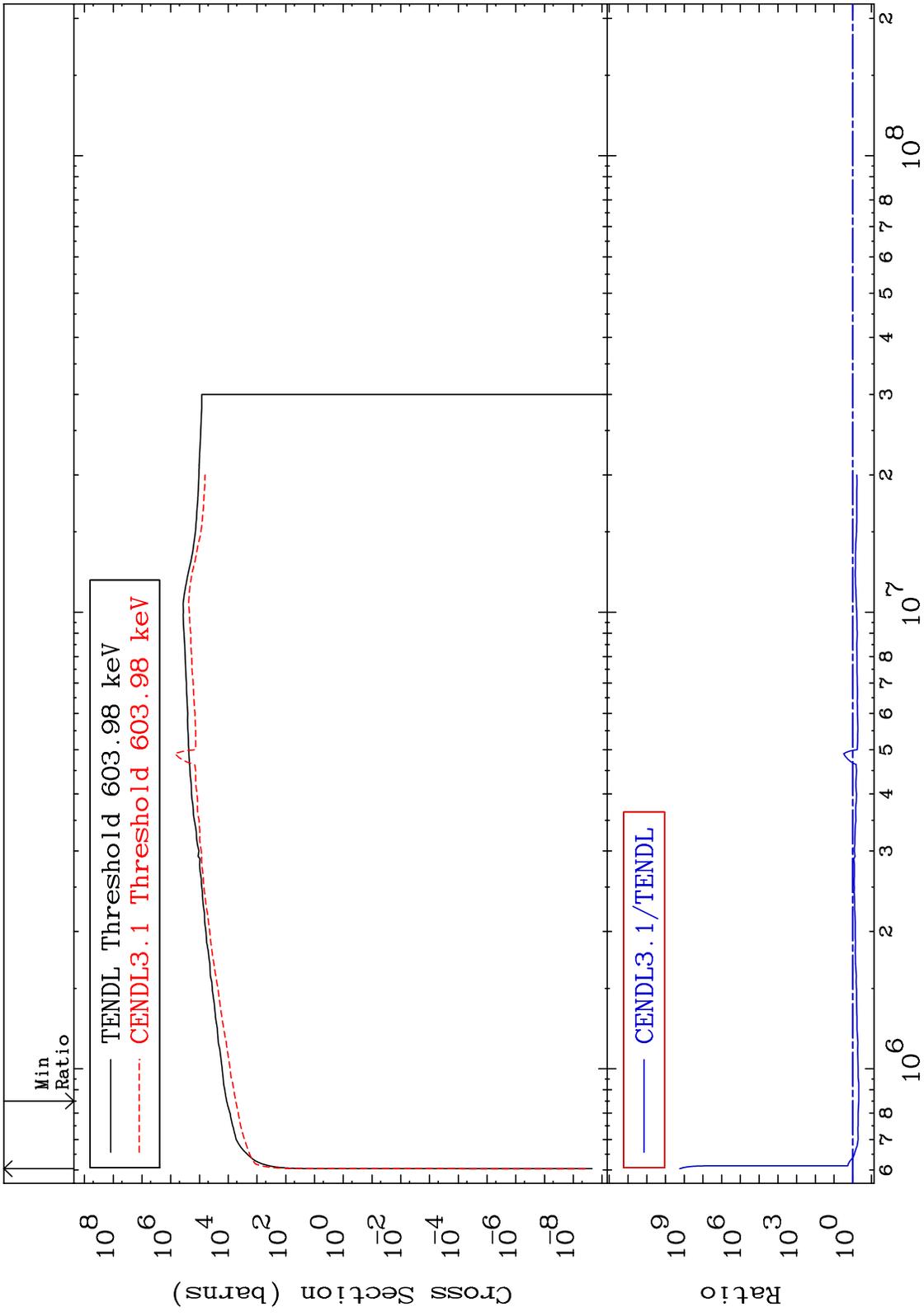
48

Incident Energy (eV)

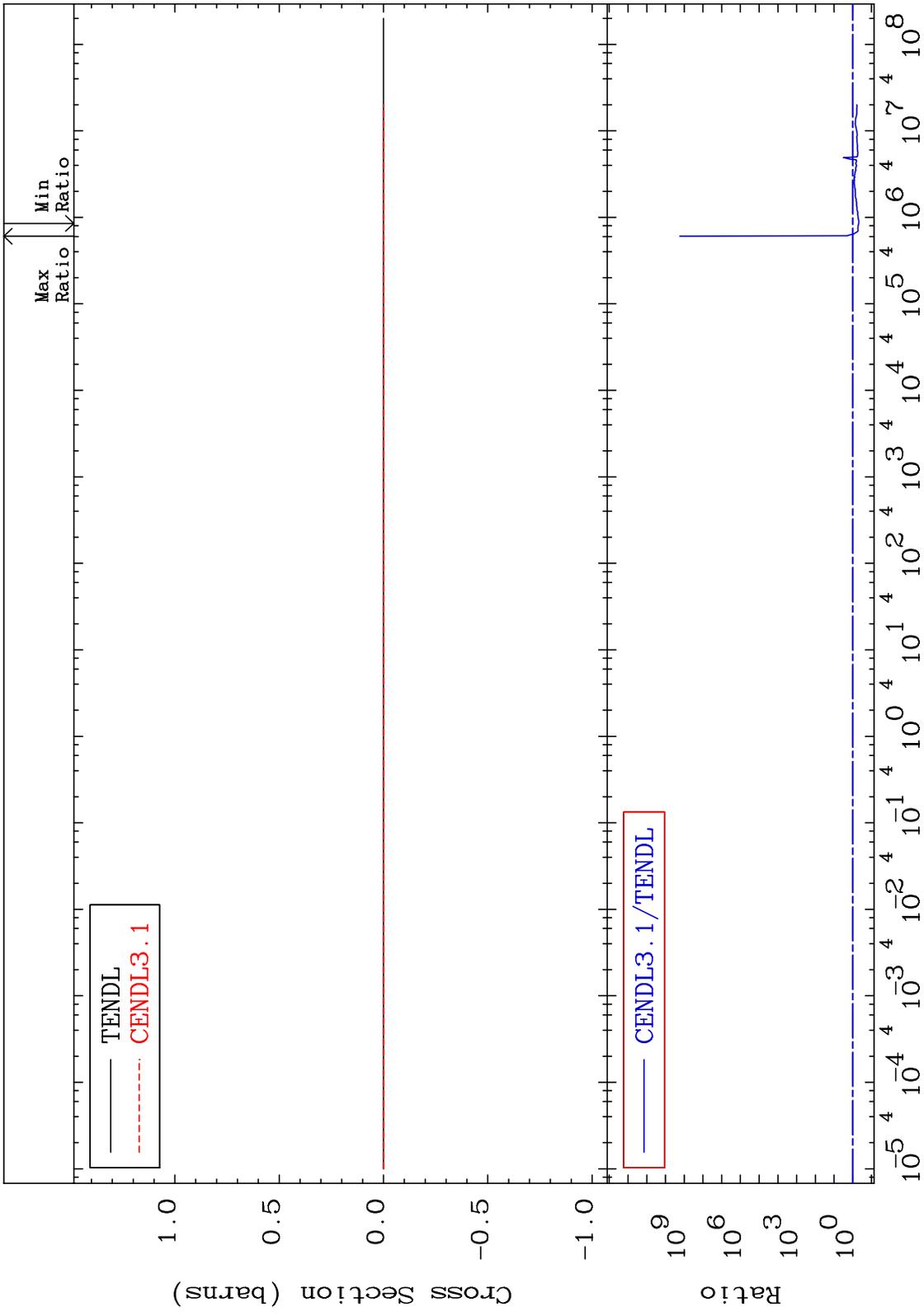
32-Ge-74

MAT 3237      Kerma non-elastic (all but mt2)      32-Ge-74  
 Cross Section      -99.99 To 9999. %





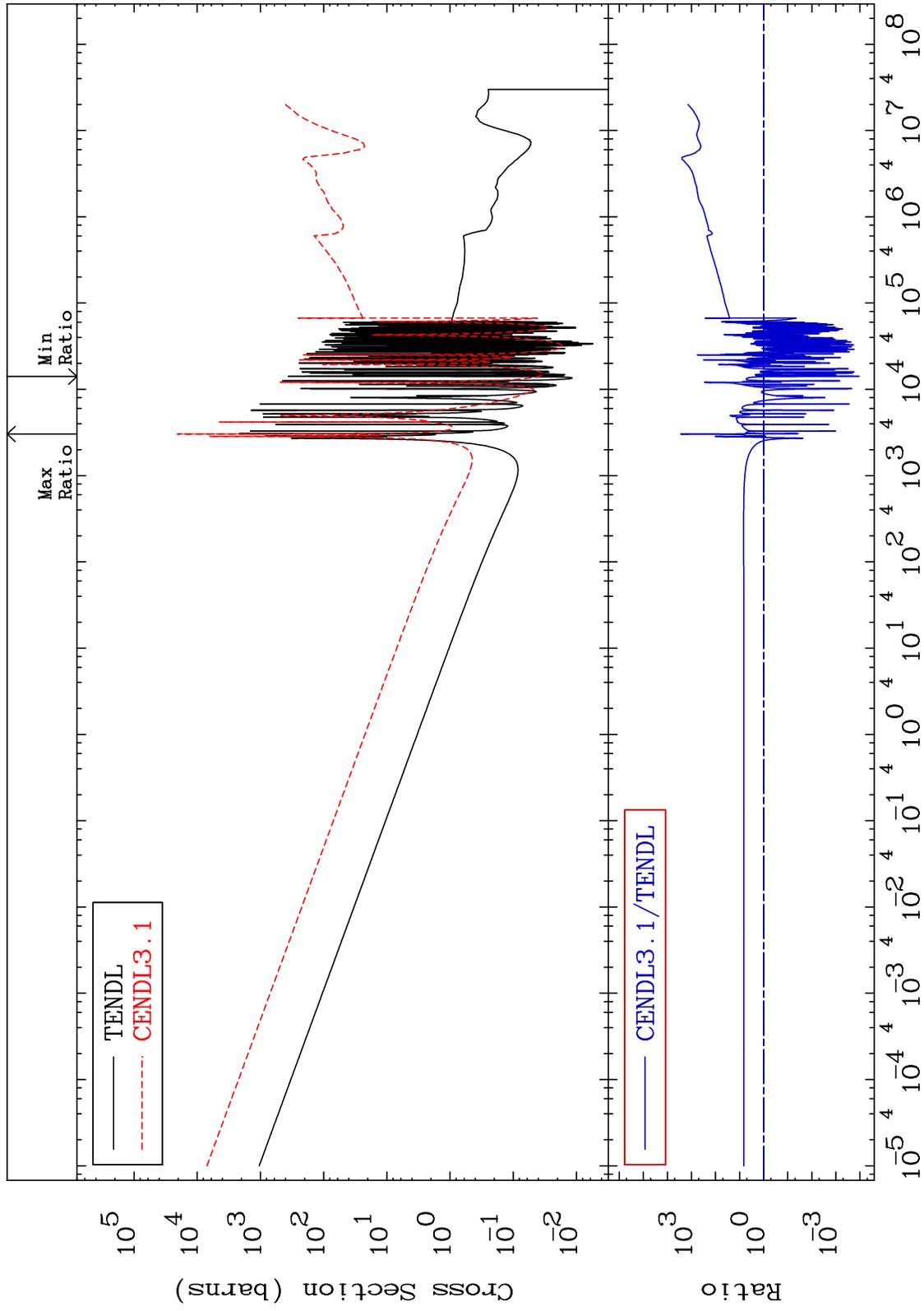
MAT 3237 Kerma fission (mt18 or mt19-20-21-38) 32-Ge-74  
 Cross Section -52.08 To 9999. %



MAT 3237

Kerma capture (mt102)  
Cross Section

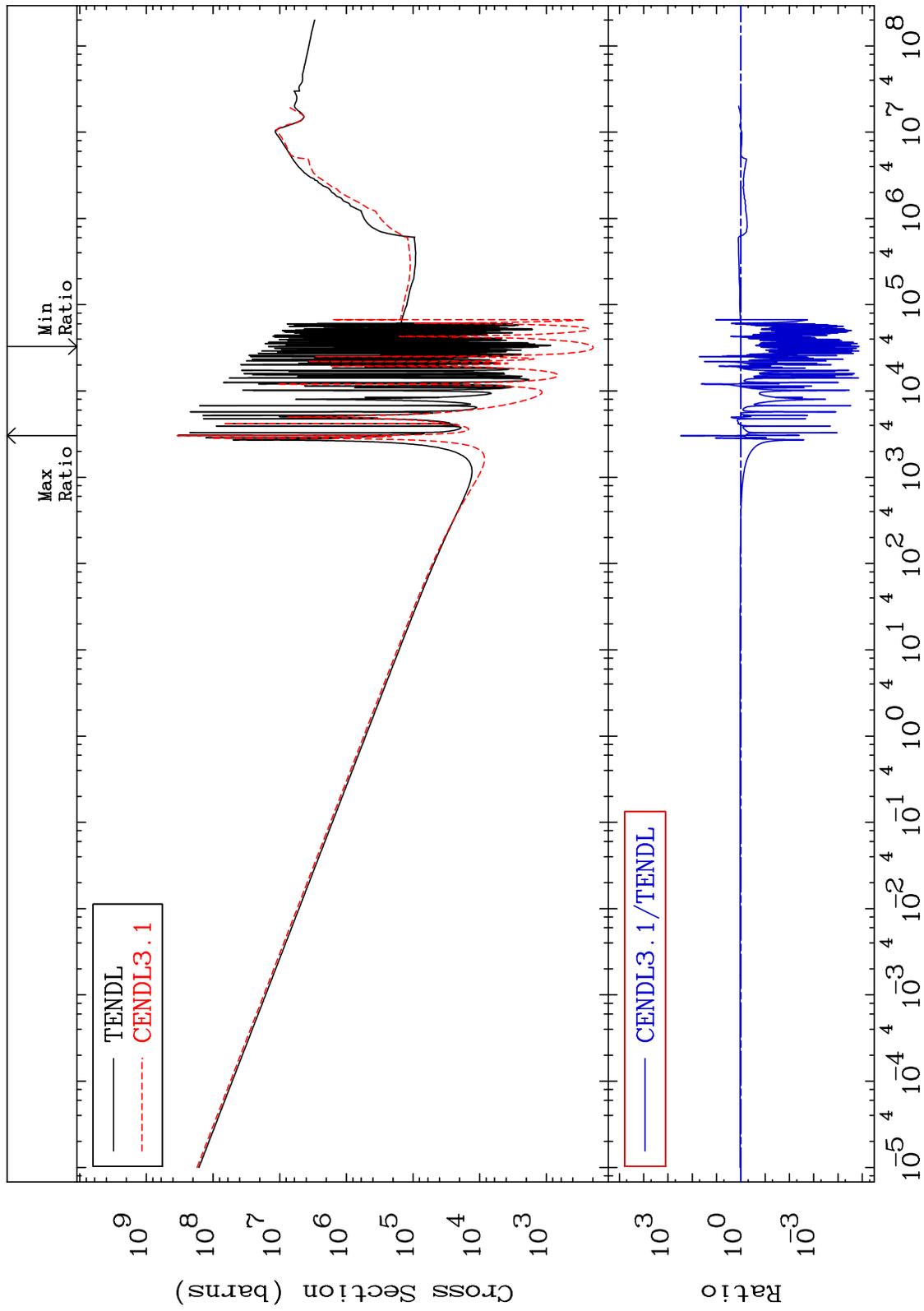
32-Ge-74  
-99.99 To 9999. %



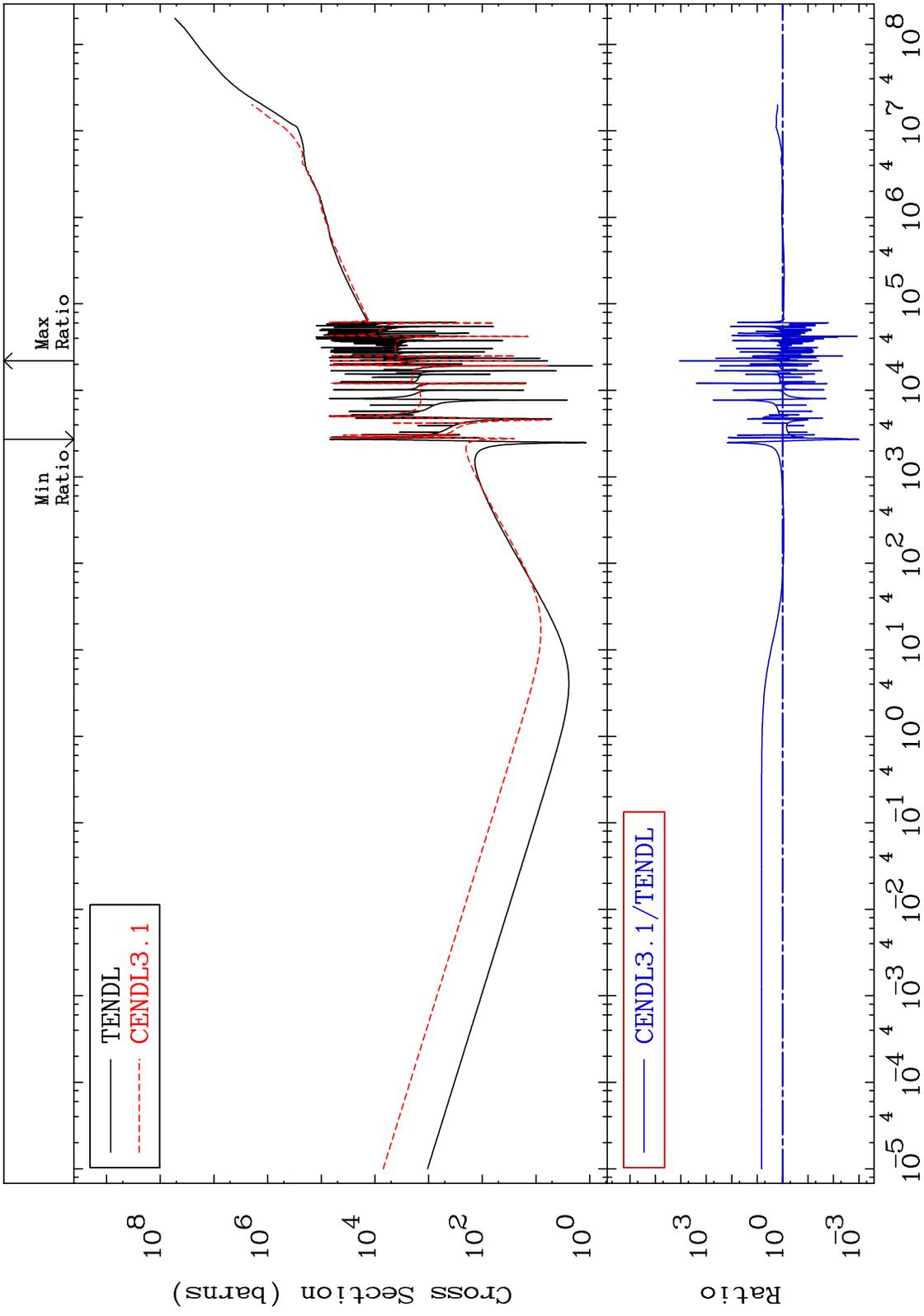
MAT 3237

Total photon (eV-barns)  
Cross Section

32-Ge-74  
-100.0 To 9999. %



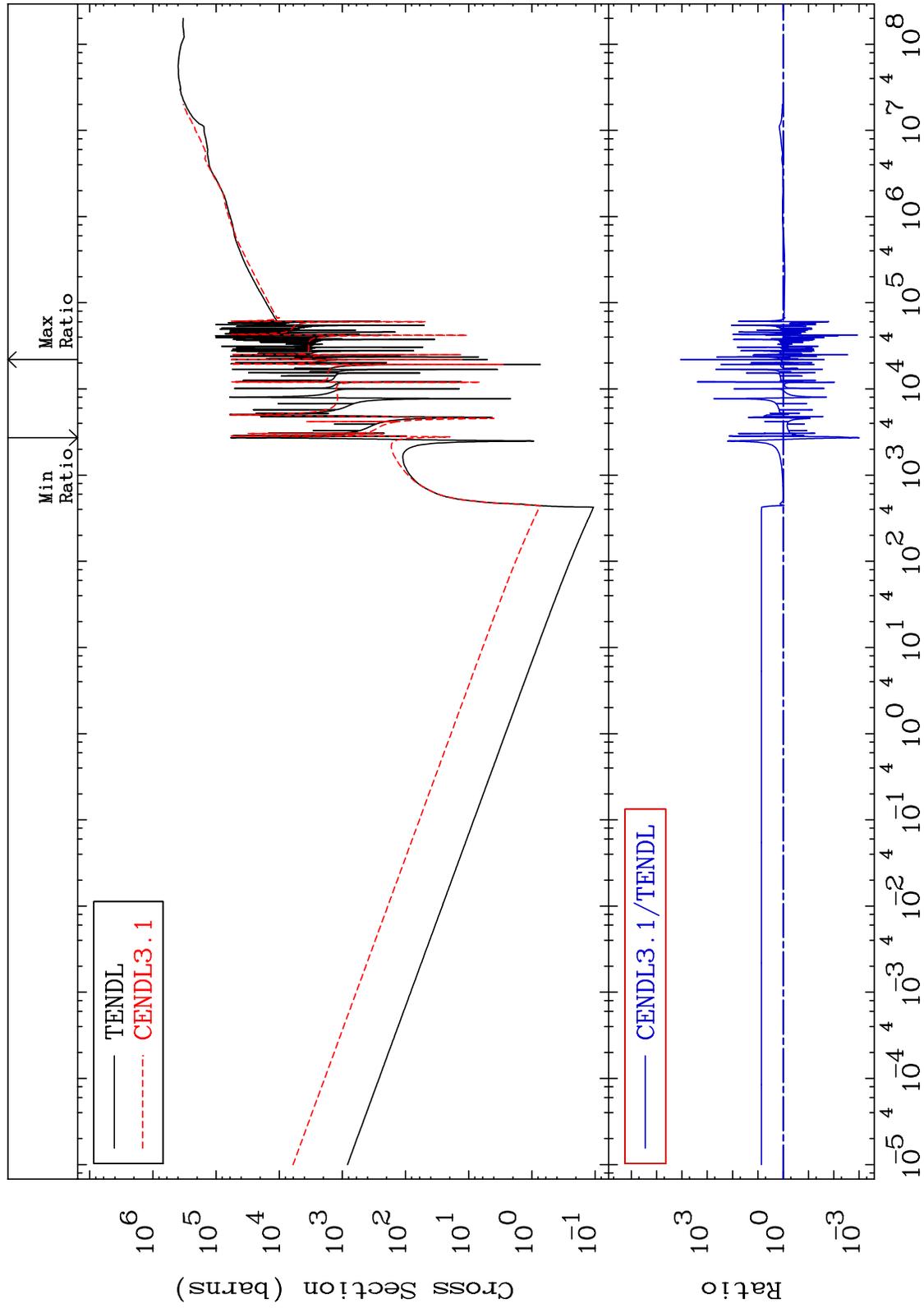
MAT 3237      Total kinematic kerma (high limit)      32-Ge-74  
 Cross Section      -99.90 To 9999. %



MAT 3237

Dpa total (eV-barns)  
Cross Section

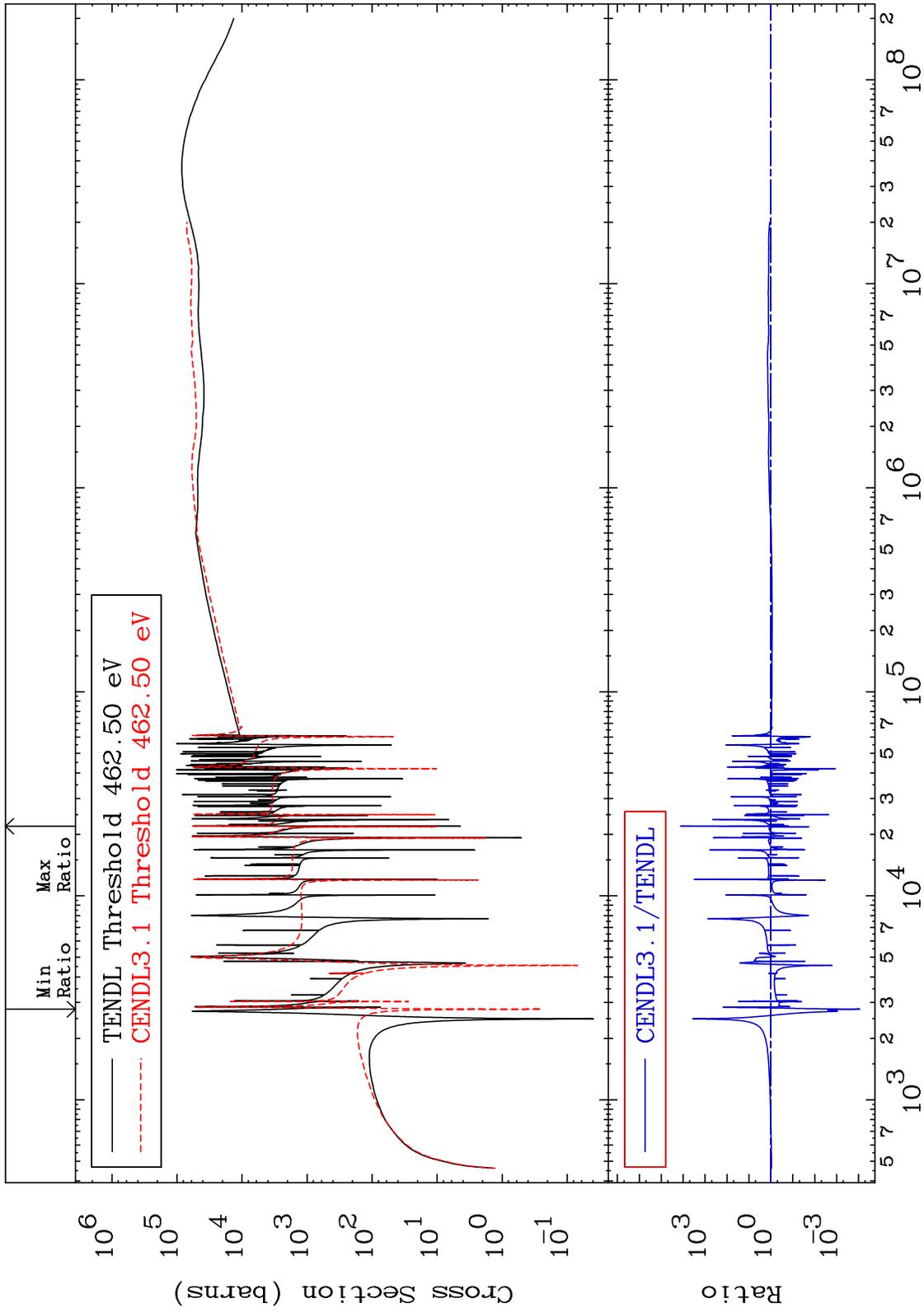
32-Ge-74  
-99.90 To 9999. %



MAT 3237

Dpa elastic (mt2)  
Cross Section

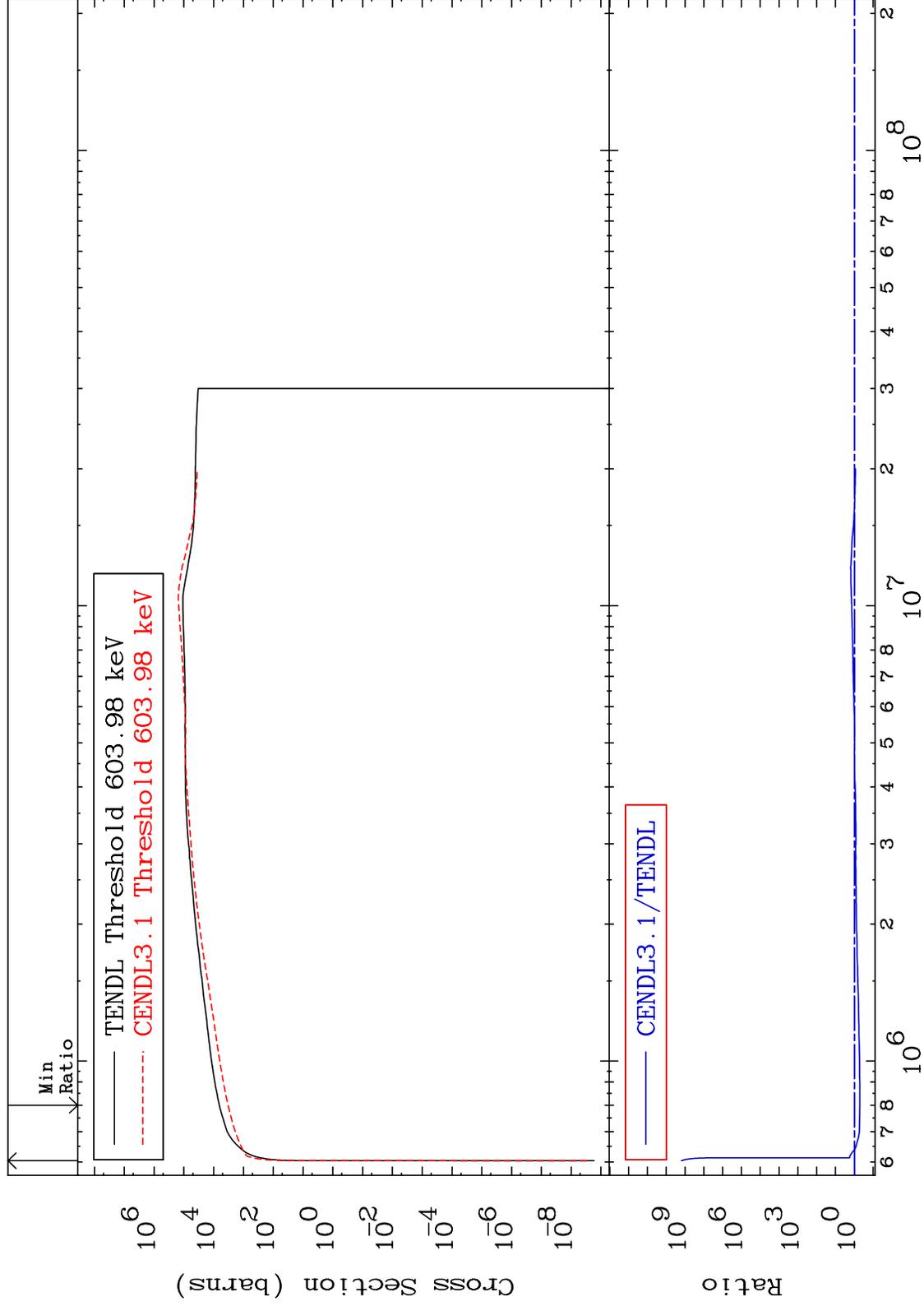
32-Ge-74  
-99.99 To 9999. %



MAT 3237

Dpa inelastic (mt51-91)  
Cross Section

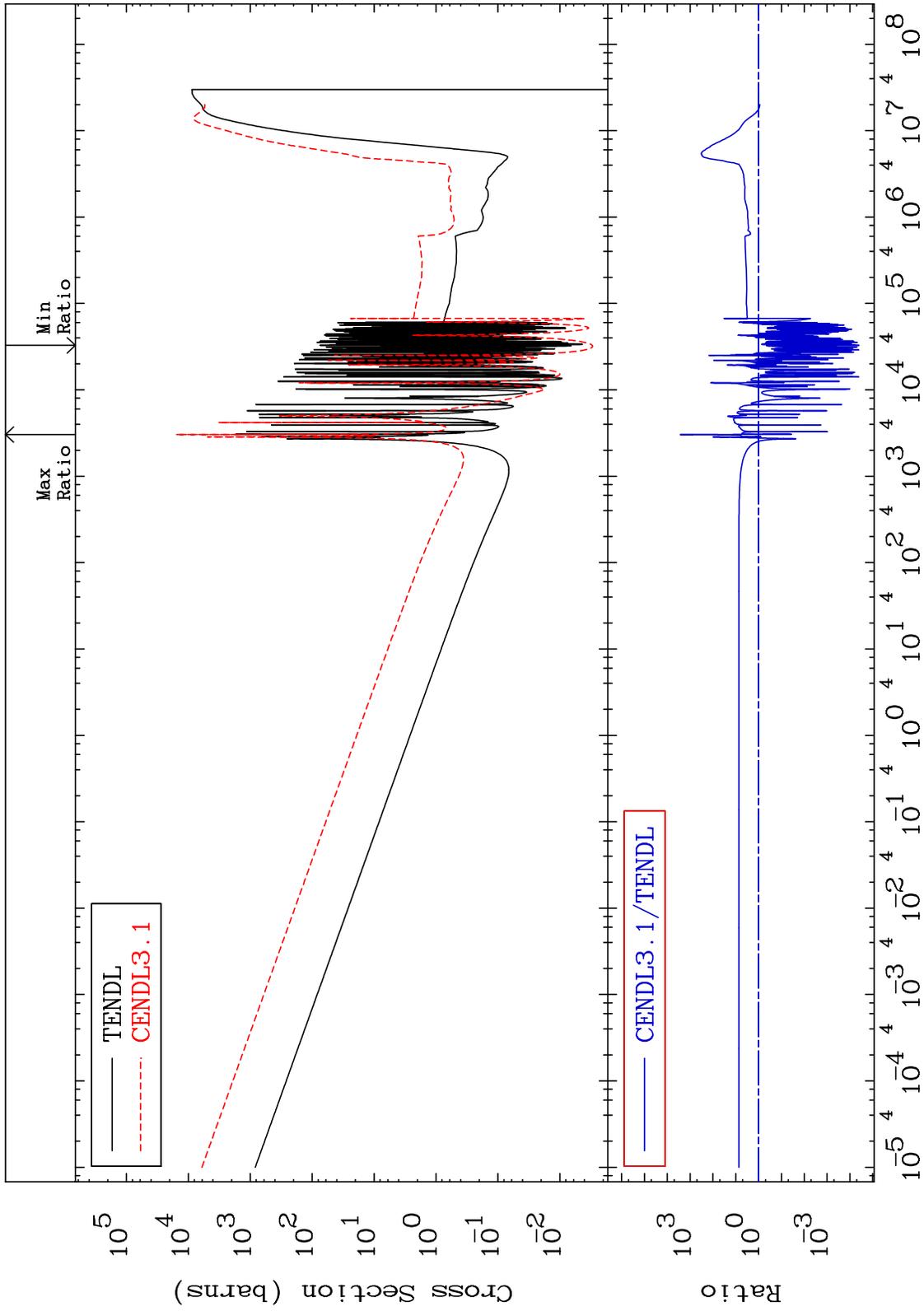
32-Ge-74  
-49.45 To 9999. %



MAT 3237

Dpa disappearance (mt102 -120)  
Cross Section

32-Ge-74  
-100.0 To 9999. %

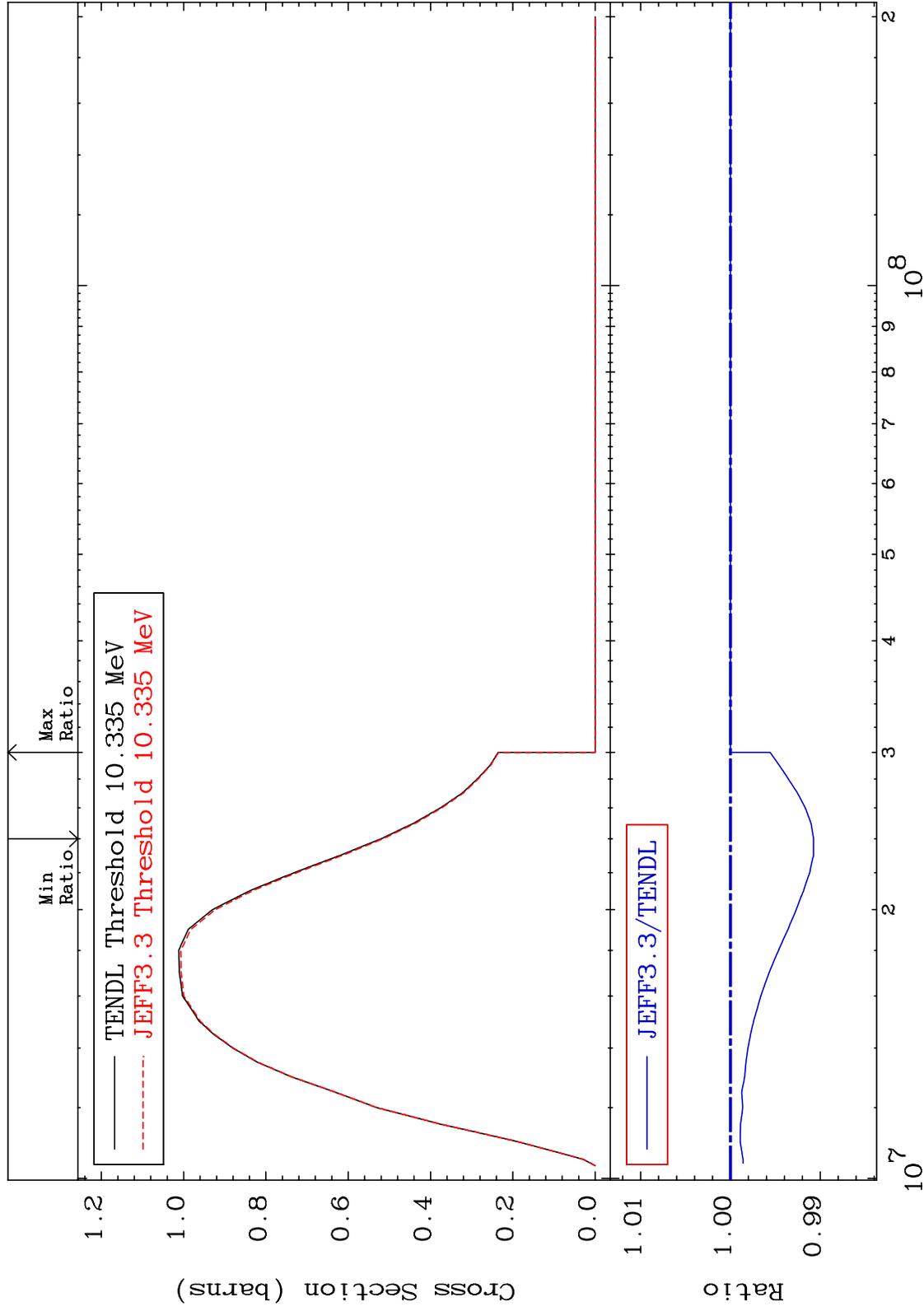


MAT 3237

(n,2n):32-Ge-73g

32-Ge-74

Radionuclide Production Cross Section -0.925 To 0.000 %

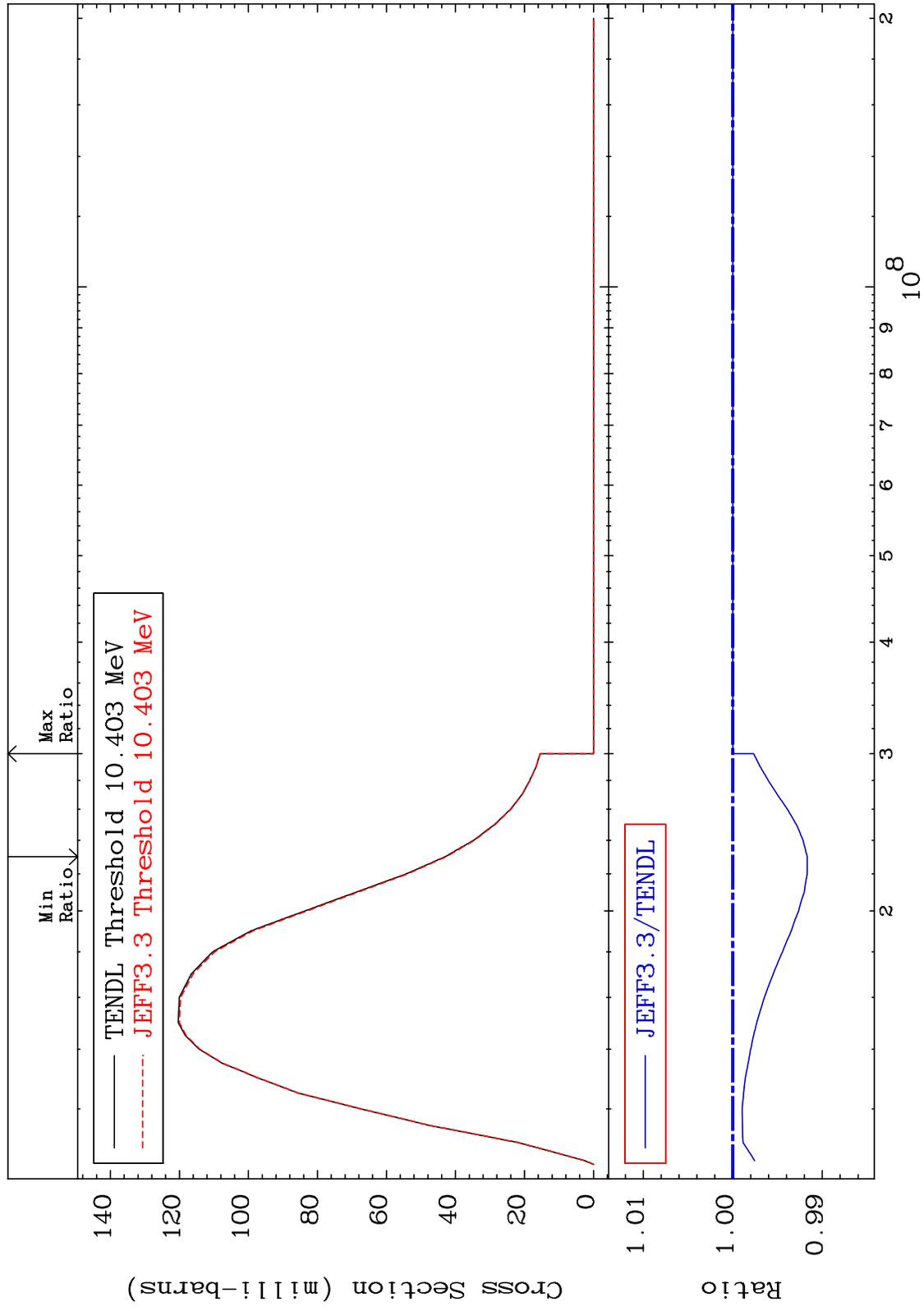


59

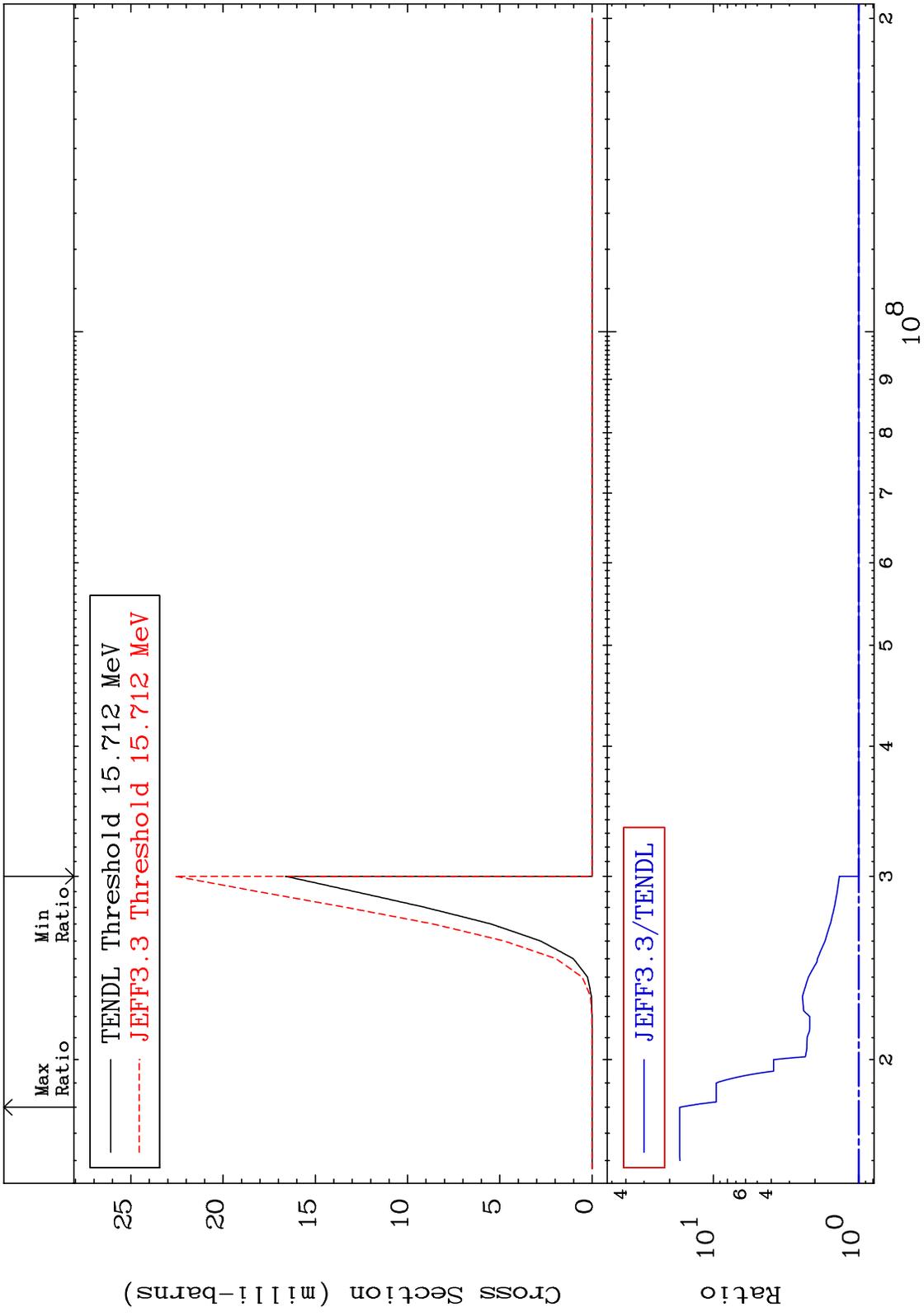
Incident Energy (eV)

32-Ge-74

MAT 3237 (n,2n):32-Ge-73m2 32-Ge-74  
Radionuclide Production Cross Section -0.831 To 0.000 %



MAT 3237 (n,2n)  $\alpha$ :30-Zn-69g 32-Ge-74  
 Radionuclide Production Cross Section 0.000 To 1604. %

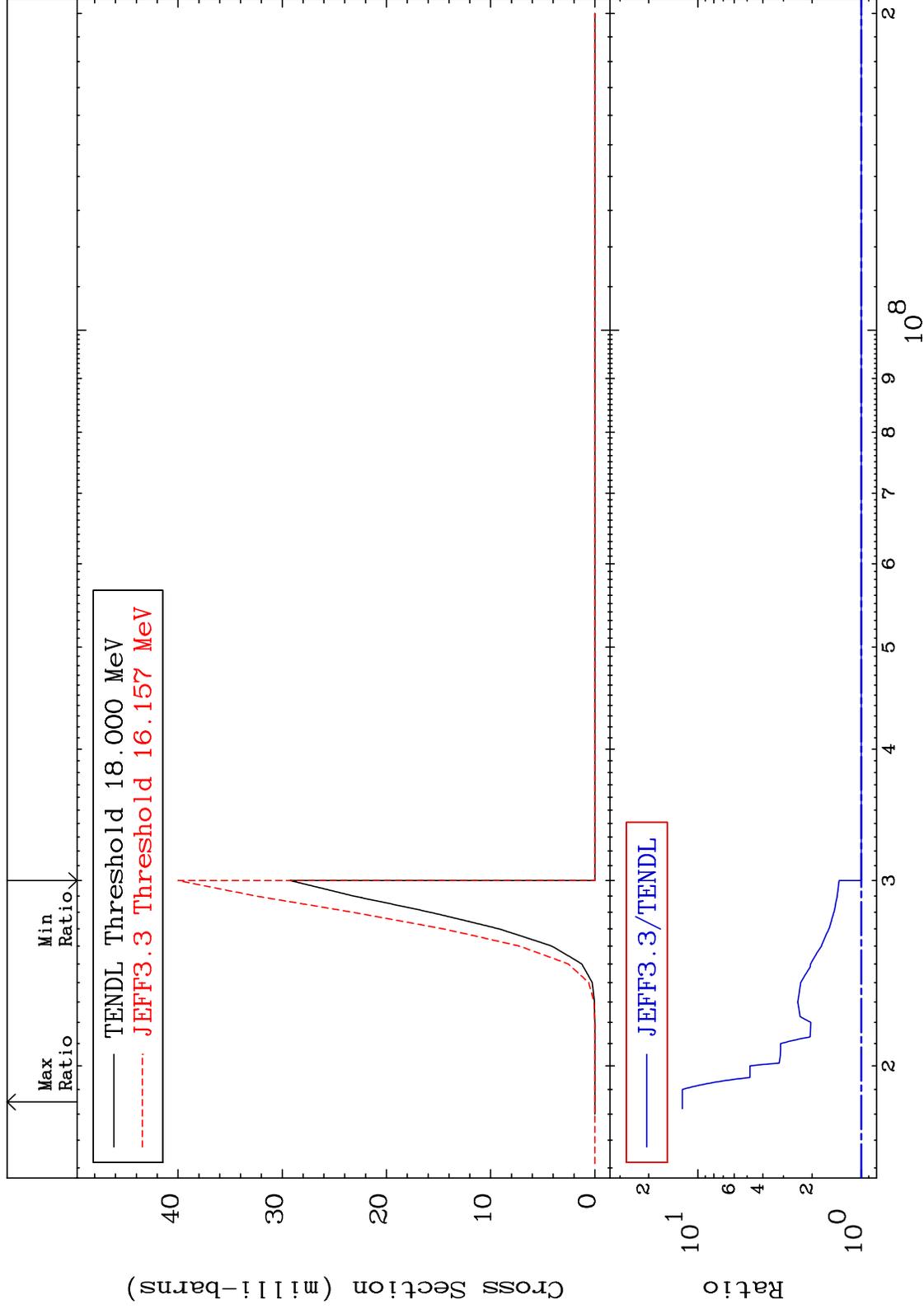


MAT 3237

(n,2n)  $\alpha$ :30-Zn-69m1

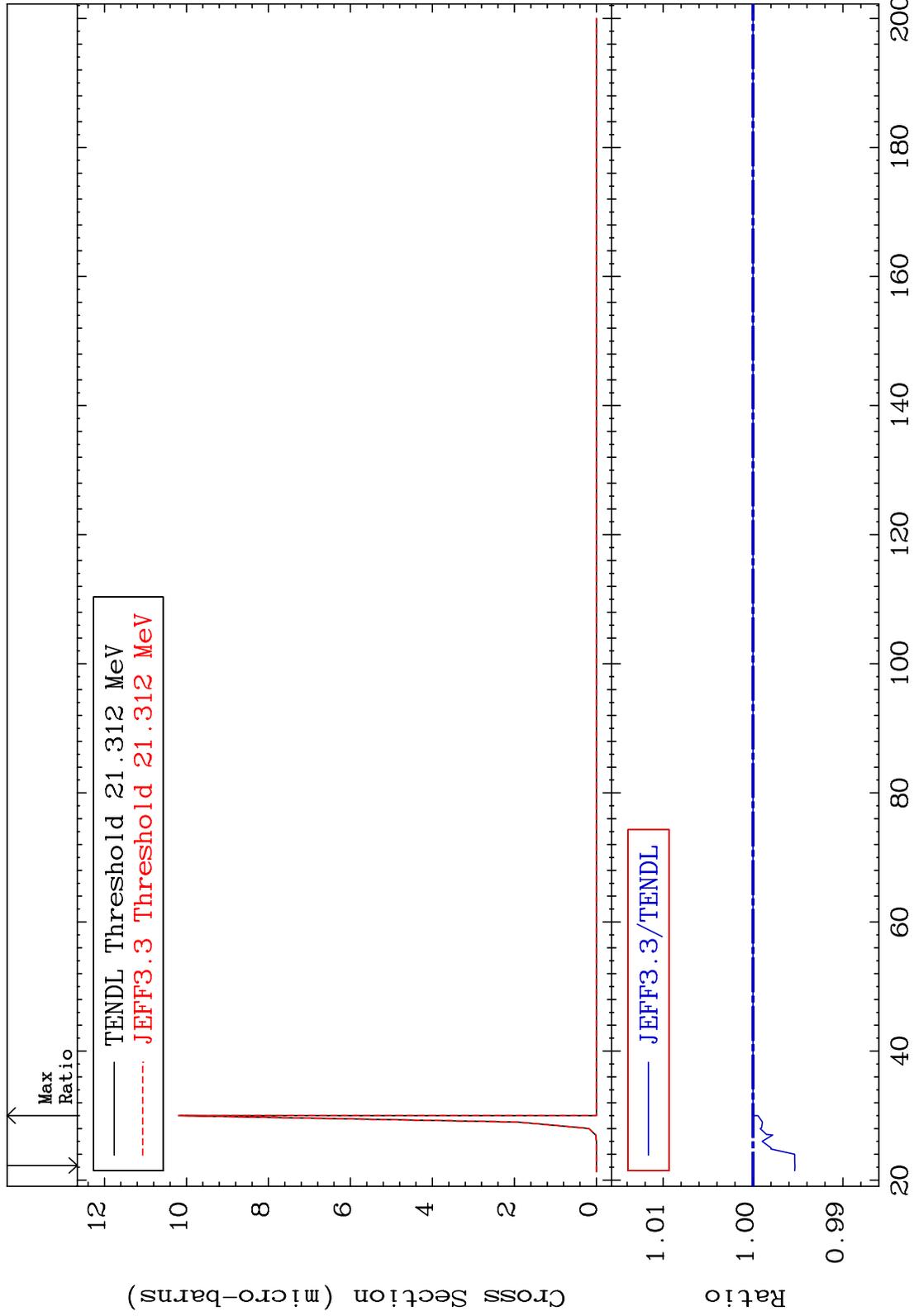
32-Ge-74

Radionuclide Production Cross Section 0.000 To 1144. %



MAT 3237

(n,n') He-3:30-Zn-71g 32-Ge-74  
Radionuclide Production Cross Section -0.465 To 0.000 %



63

Incident Energy (MeV)

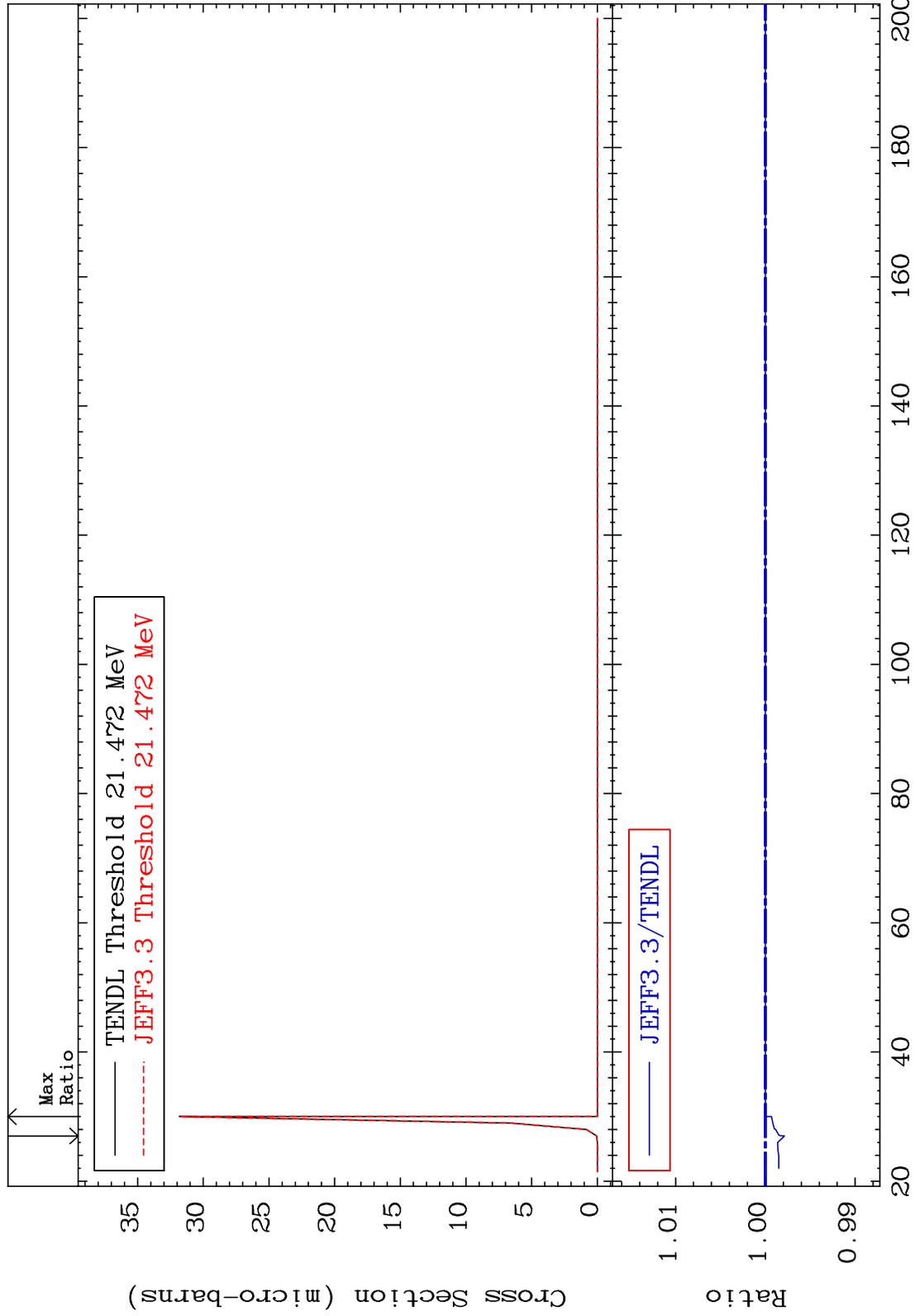
32-Ge-74

MAT 3237

(n, n') He-3:30-Zn-71m1

32-Ge-74

Radionuclide Production Cross Section -0.211 To 0.000 %



64

Incident Energy (MeV)

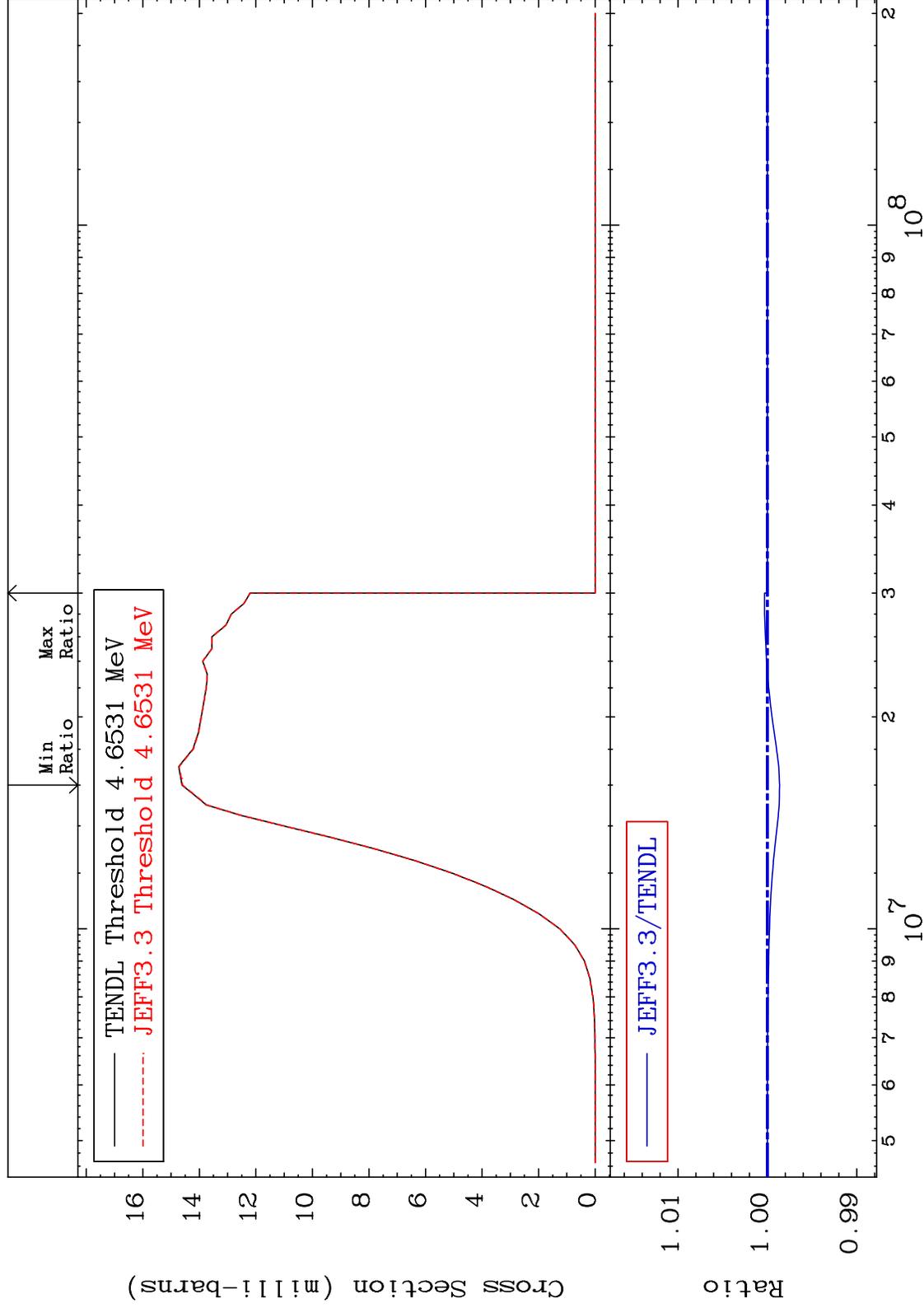
32-Ge-74

MAT 3237

(n,p):31-Ga-74g

32-Ge-74

Radionuclide Production Cross Section -0.136 To 0.032 %



65

Incident Energy (eV)

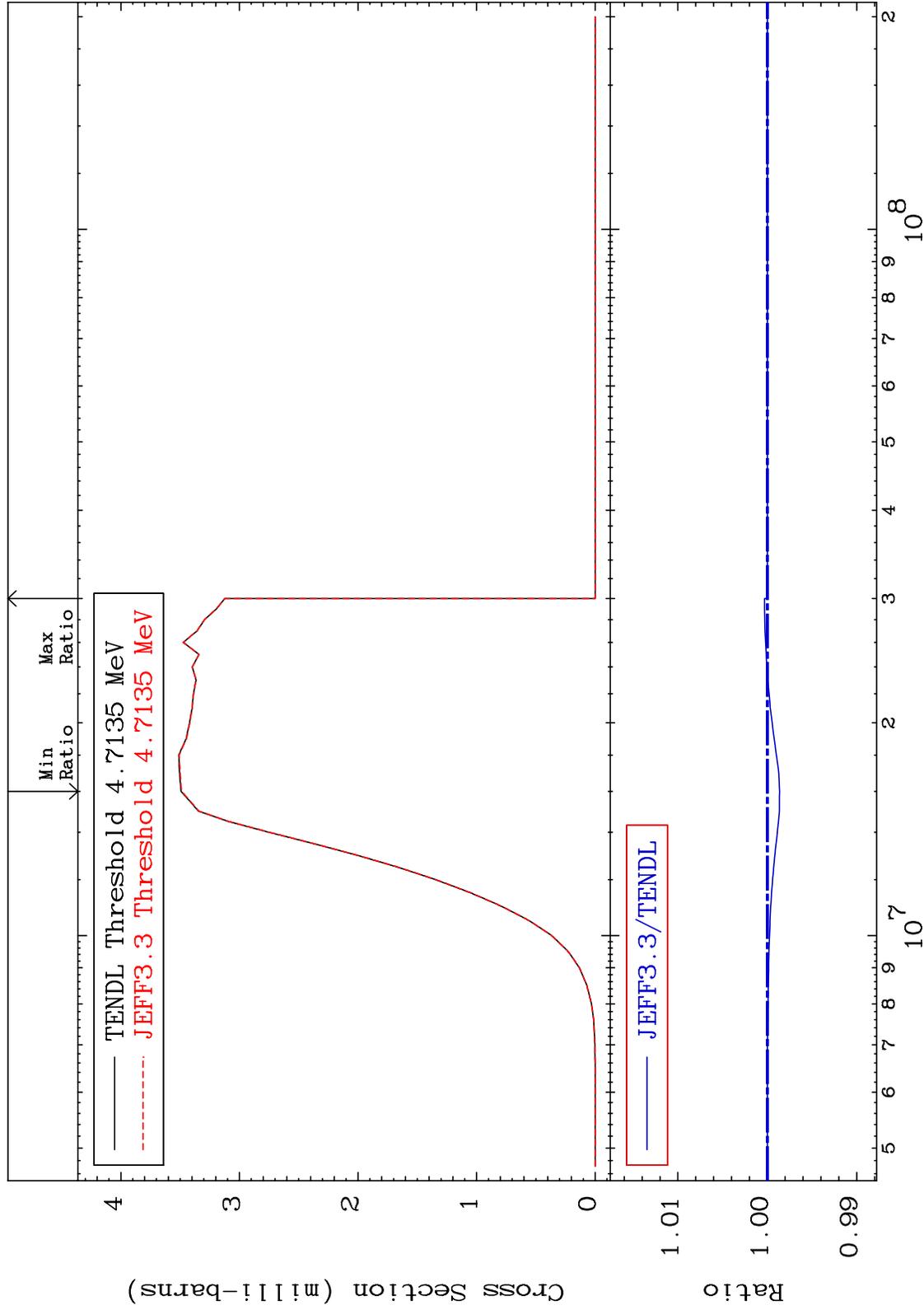
32-Ge-74

MAT 3237

(n,p):31-Ga-74m2

32-Ge-74

Radionuclide Production Cross Section -0.137 To 0.031 %



66

Incident Energy (eV)

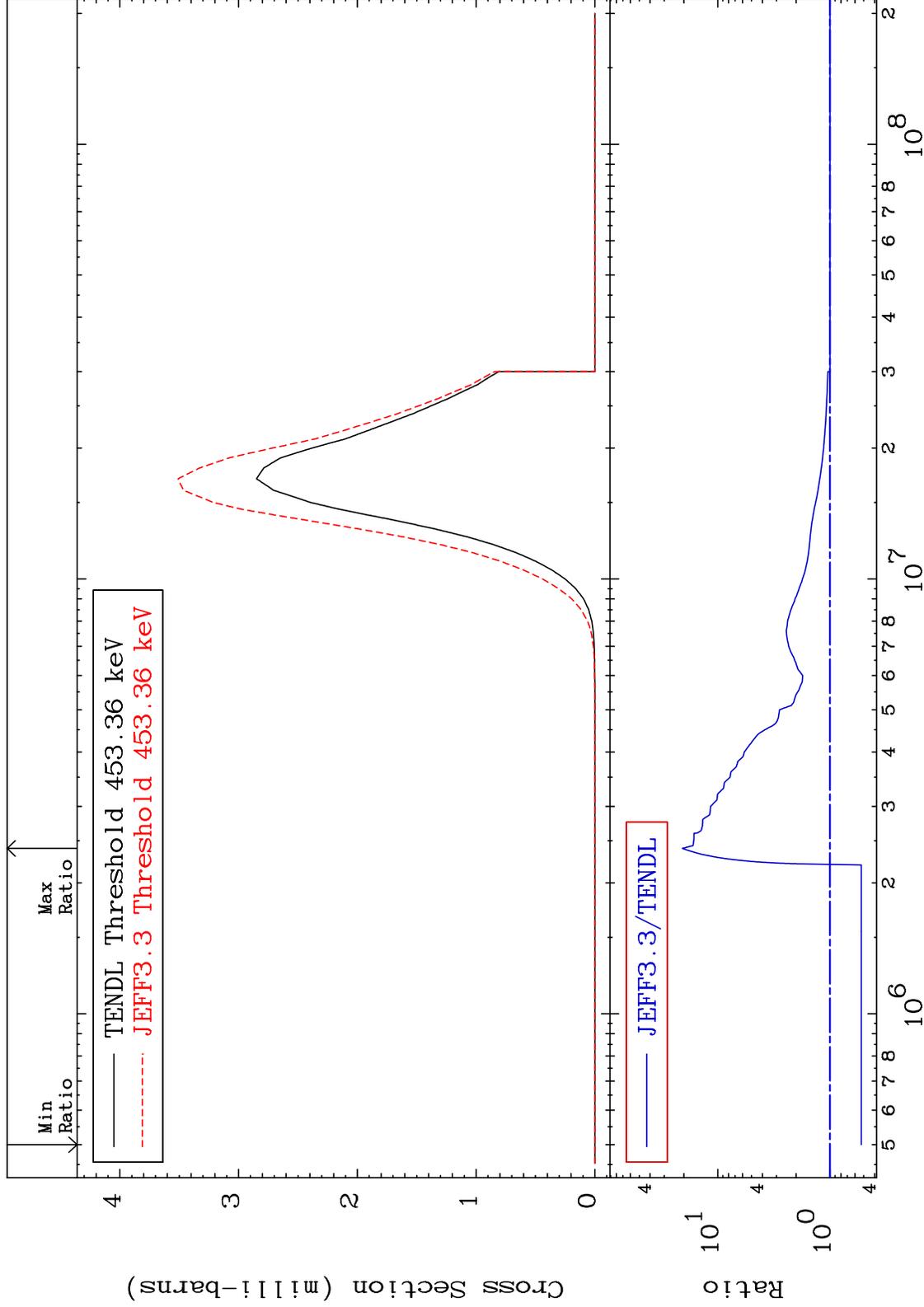
32-Ge-74

MAT 3237

(n,  $\alpha$ ): 30-Zn-71g

32-Ge-74

Radionuclide Production Cross Section -47.41 To 1961. %

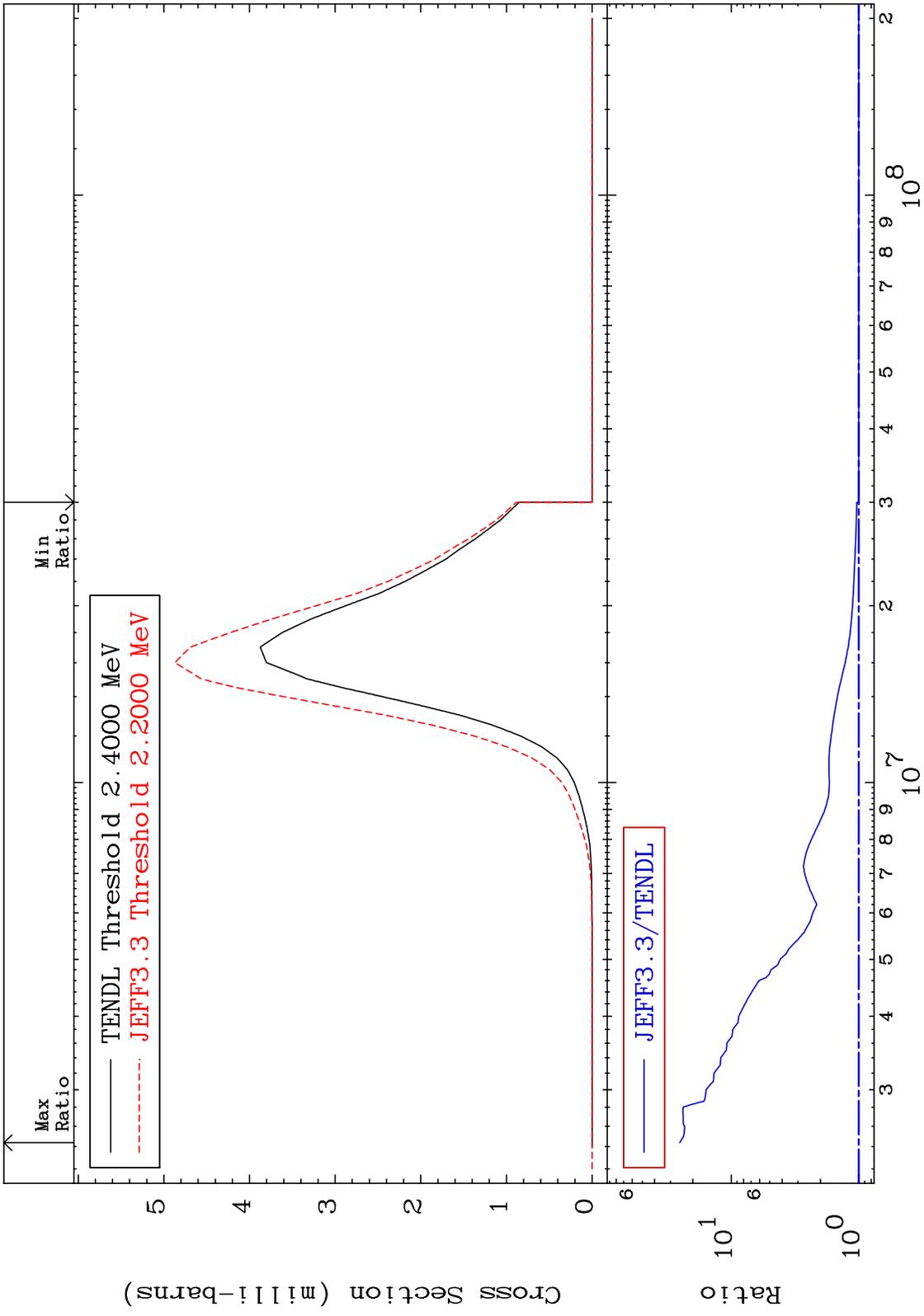


67

Incident Energy (eV)

32-Ge-74

MAT 3237 (n,  $\alpha$ ): 30-Zn-71m1 32-Ge-74  
 Radionuclide Production Cross Section 0.000 To 2437. %

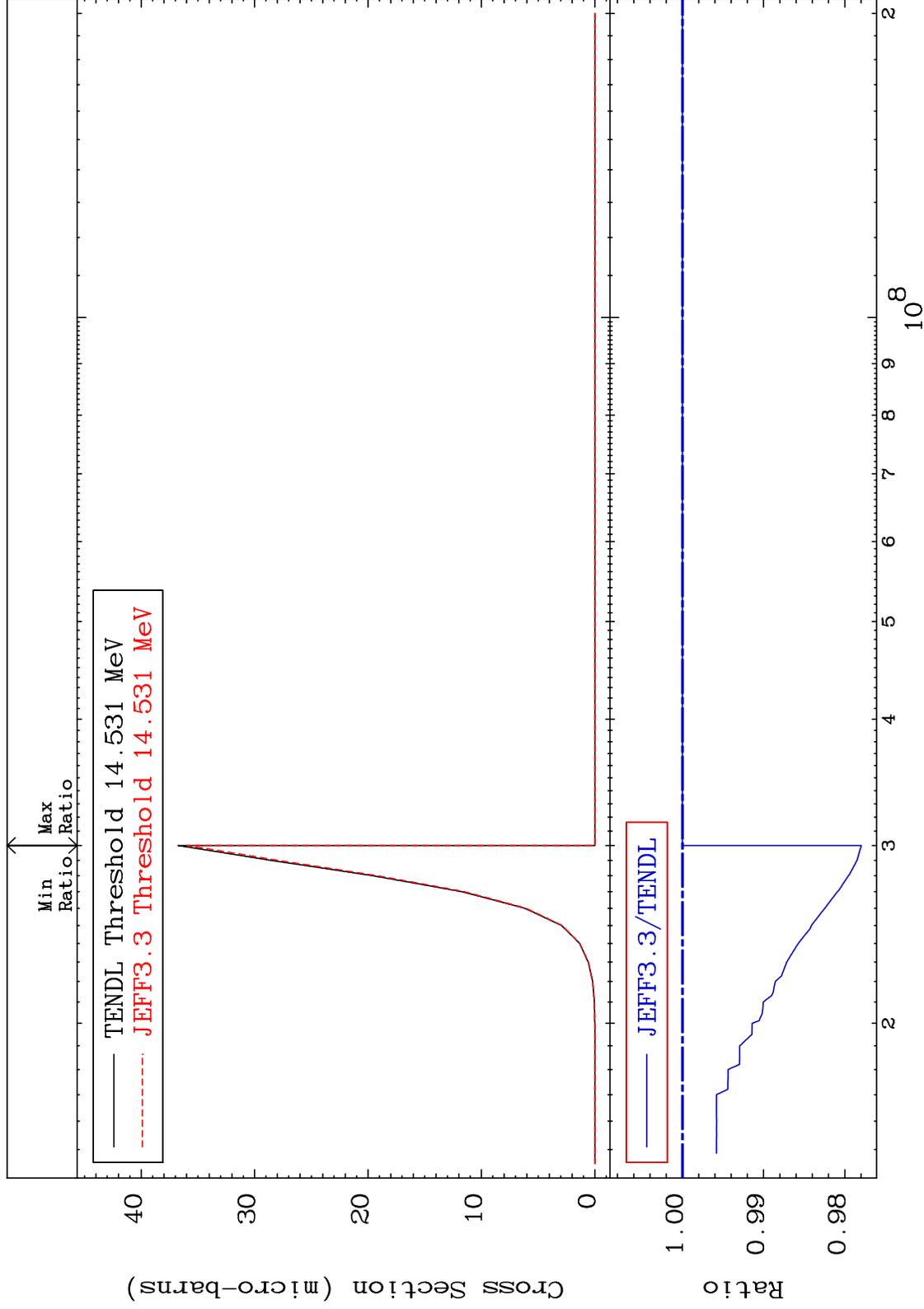


MAT 3237

(n,2p):30-Zn-73g

32-Ge-74

Radionuclide Production Cross Section -2.204 To 0.000 %



69

Incident Energy (eV)

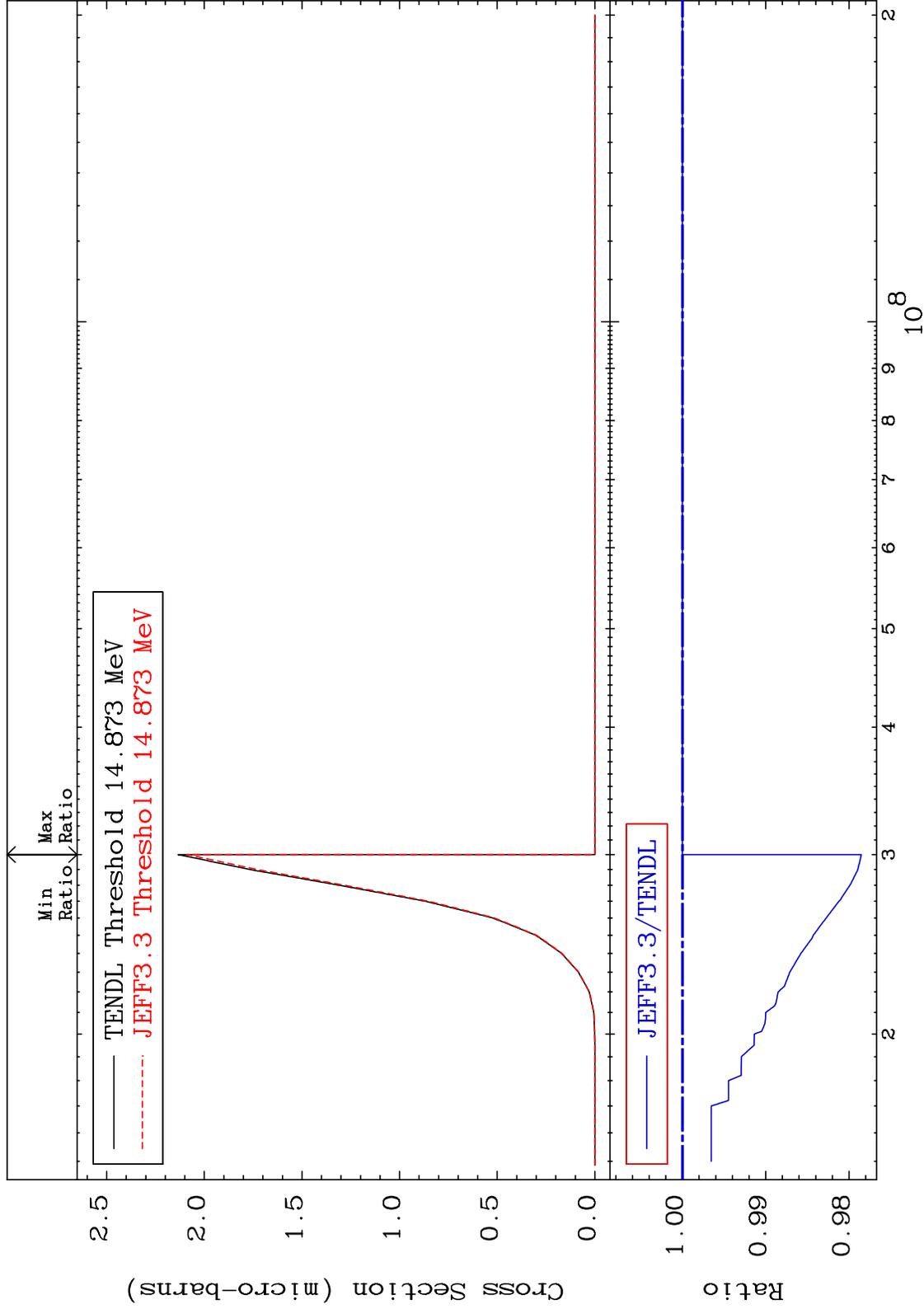
32-Ge-74

MAT 3237

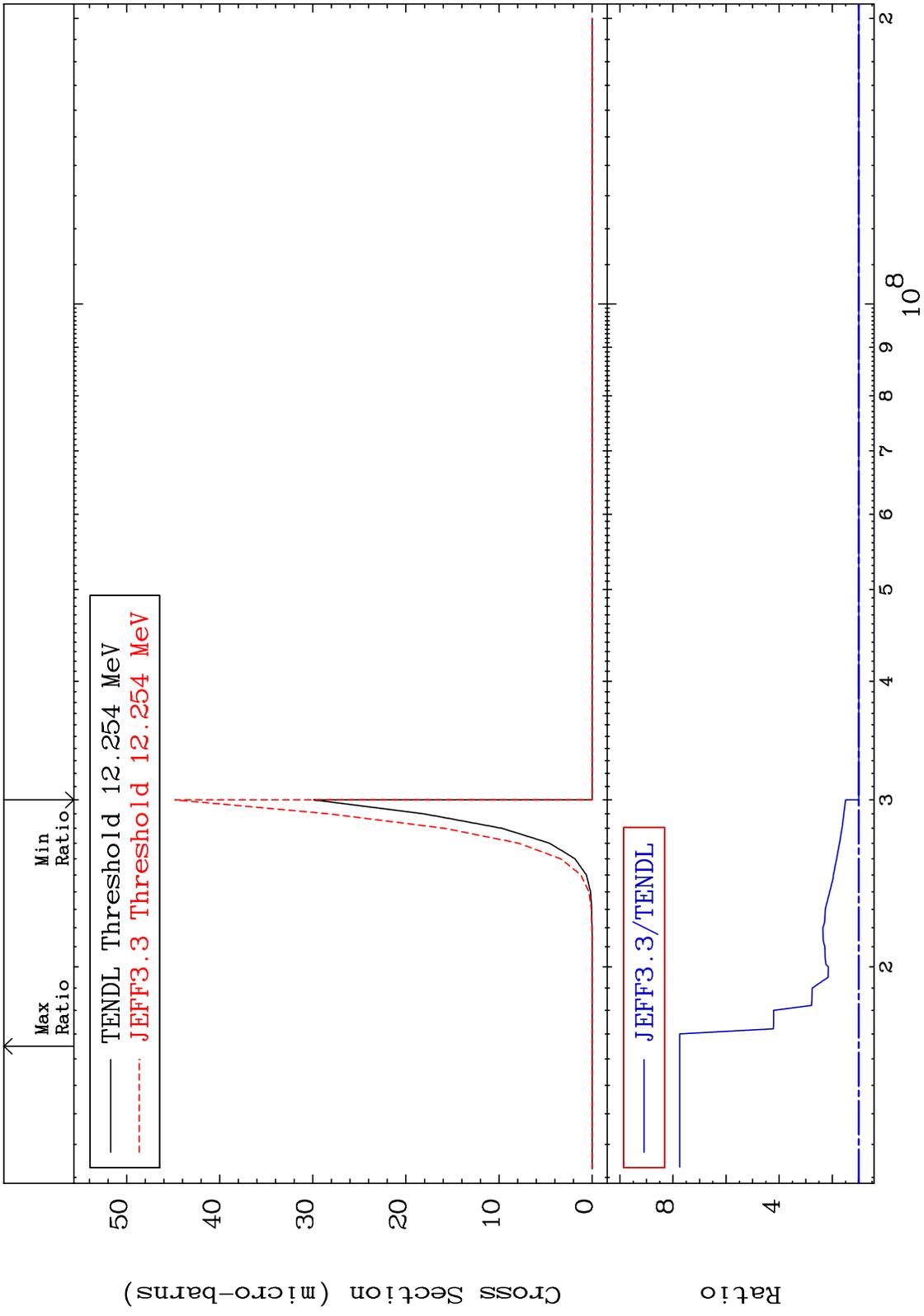
(n,2p):30-Zn-73m3

32-Ge-74

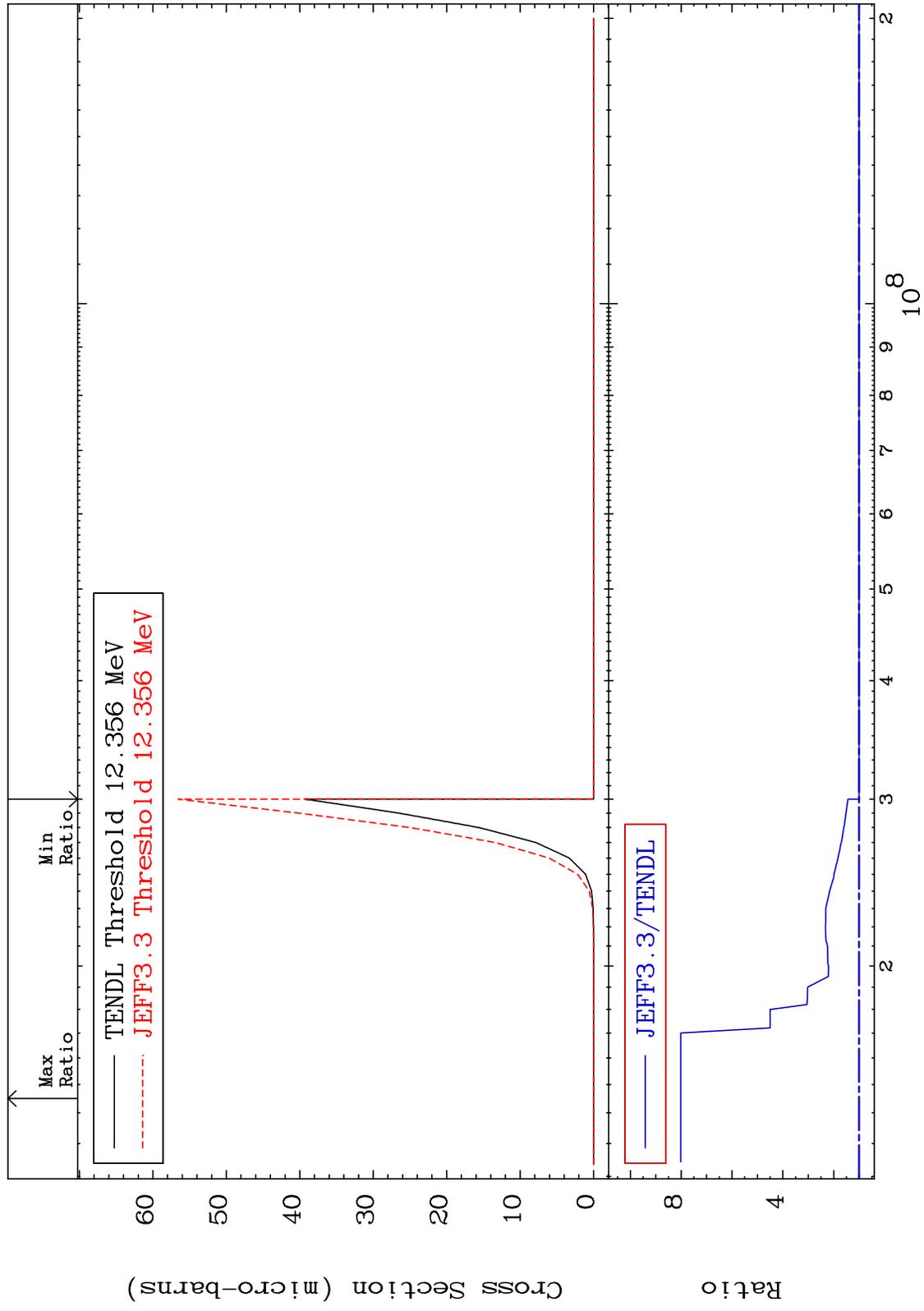
Radionuclide Production Cross Section -2.148 To 0.000 %



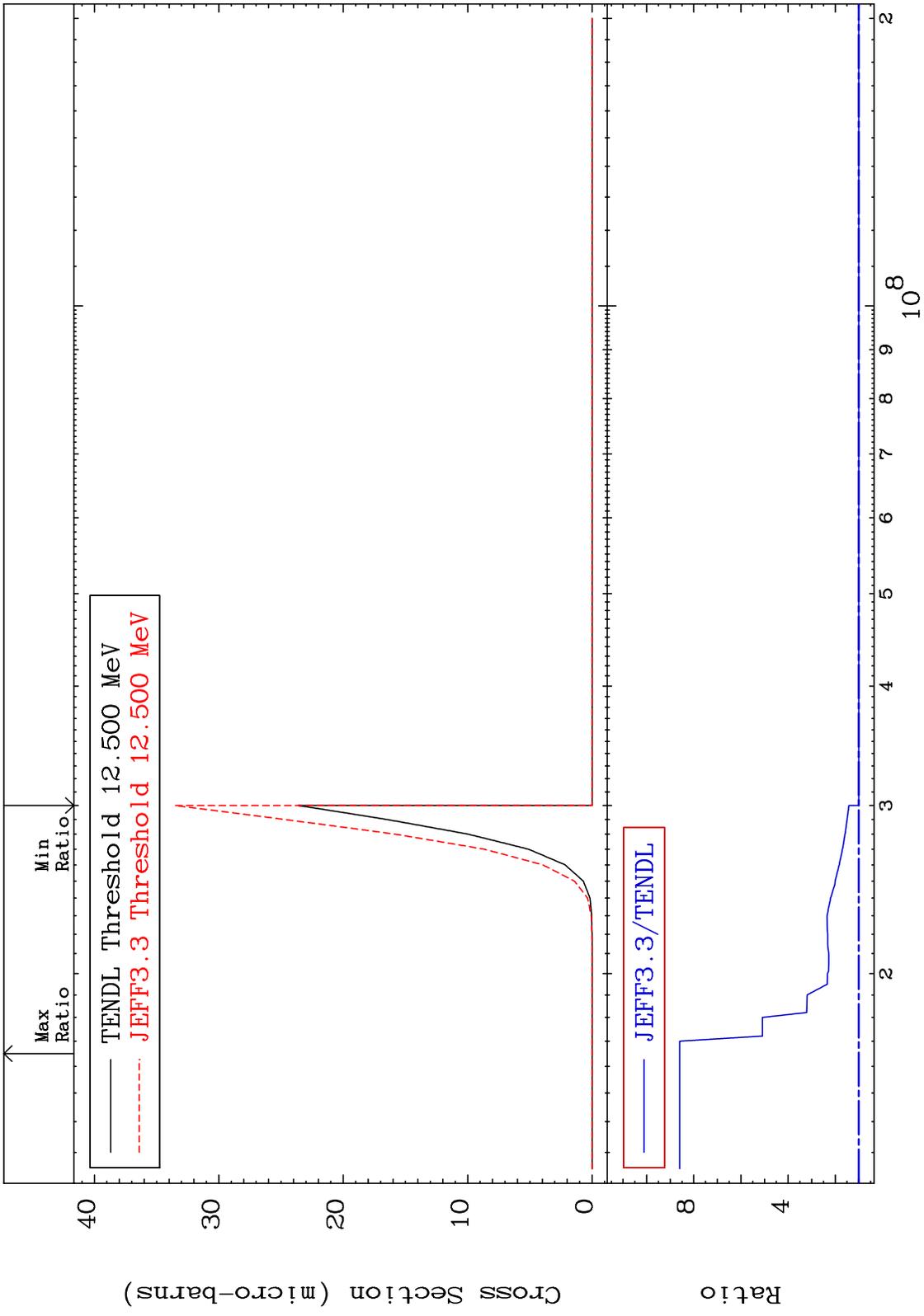
MAT 3237 (n,p)  $\alpha$ :29-Cu-70g 32-Ge-74  
 Radionuclide Production Cross Section 0.000 To 674.6 %



MAT 3237 (n,p)  $\alpha$ :29-Cu-70m1 32-Ge-74  
 Radionuclide Production Cross Section 0.000 To 701.3 %



MAT 3237 (n,p)  $\alpha$ :29-Cu-70m3 32-Ge-74  
Radionuclide Production Cross Section 0.000 To 759.6 %

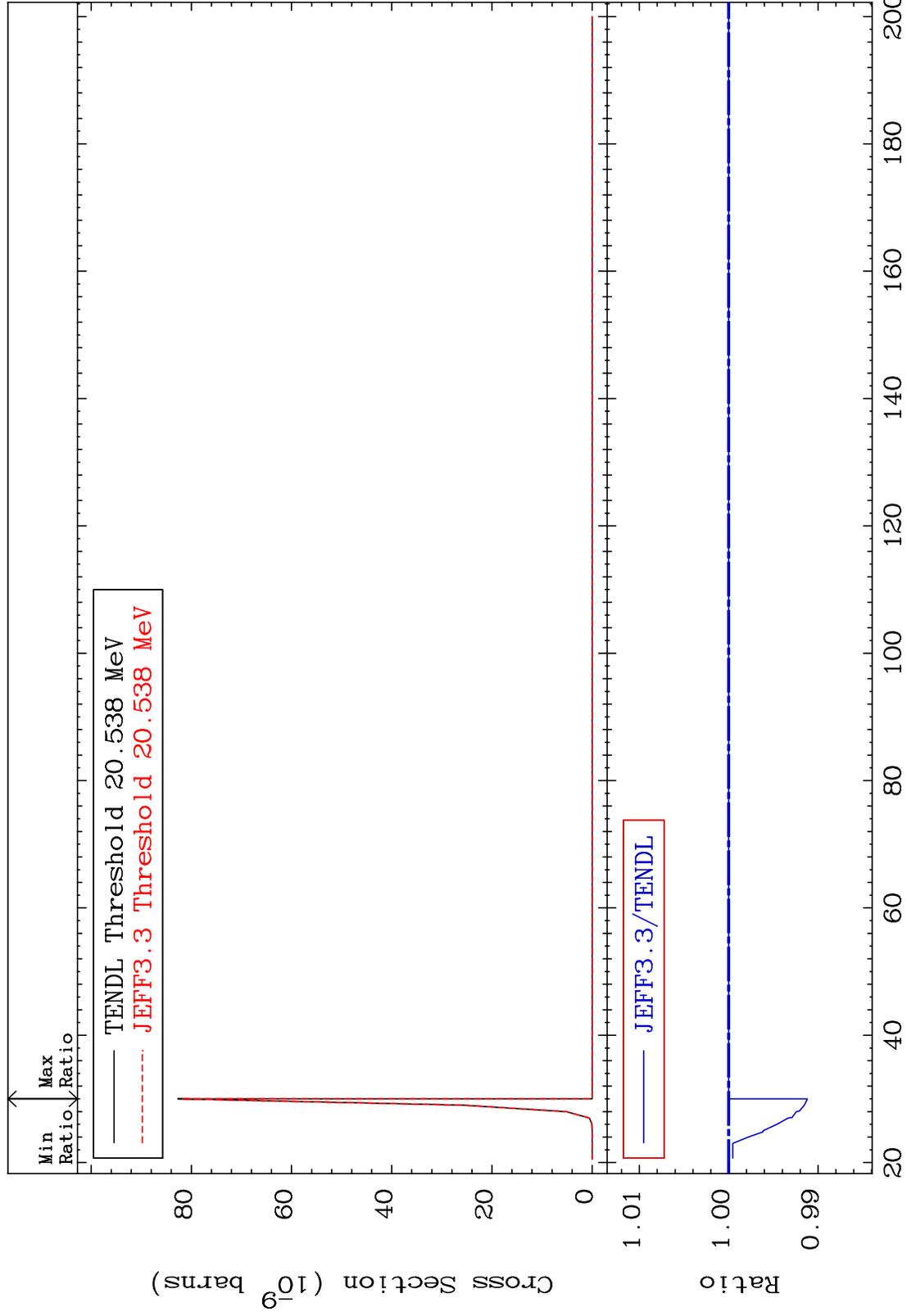


MAT 3237

(n,p) t:30-Zn-71g

32-Ge-74

Radionuclide Production Cross Section -0.882 To 0.000 %



74

Incident Energy (MeV)

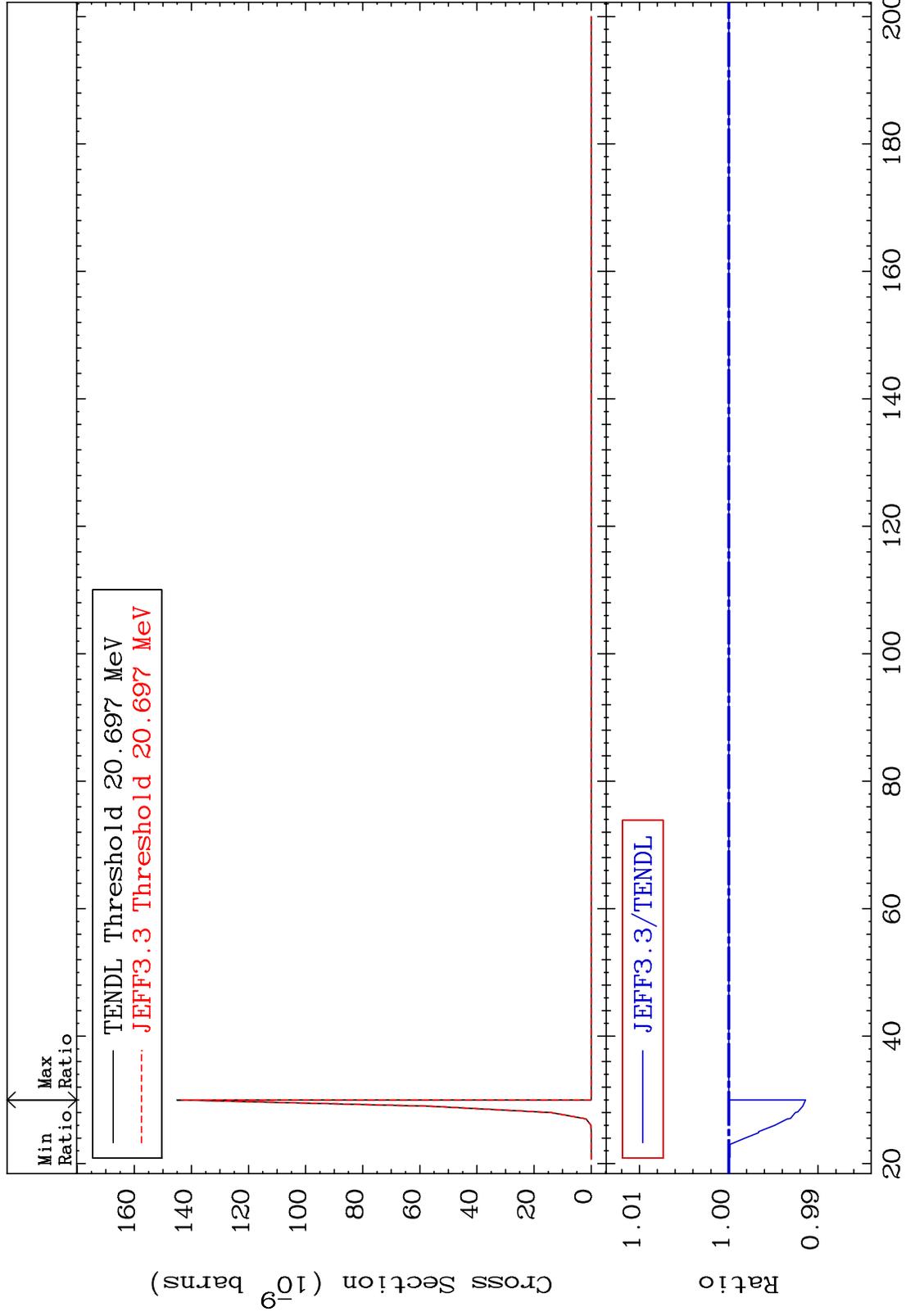
32-Ge-74

MAT 3237

(n,p) t:30-Zn-71m1

32-Ge-74

Radionuclide Production Cross Section -0.860 To 0.000 %



75

Incident Energy (MeV)

32-Ge-74