

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

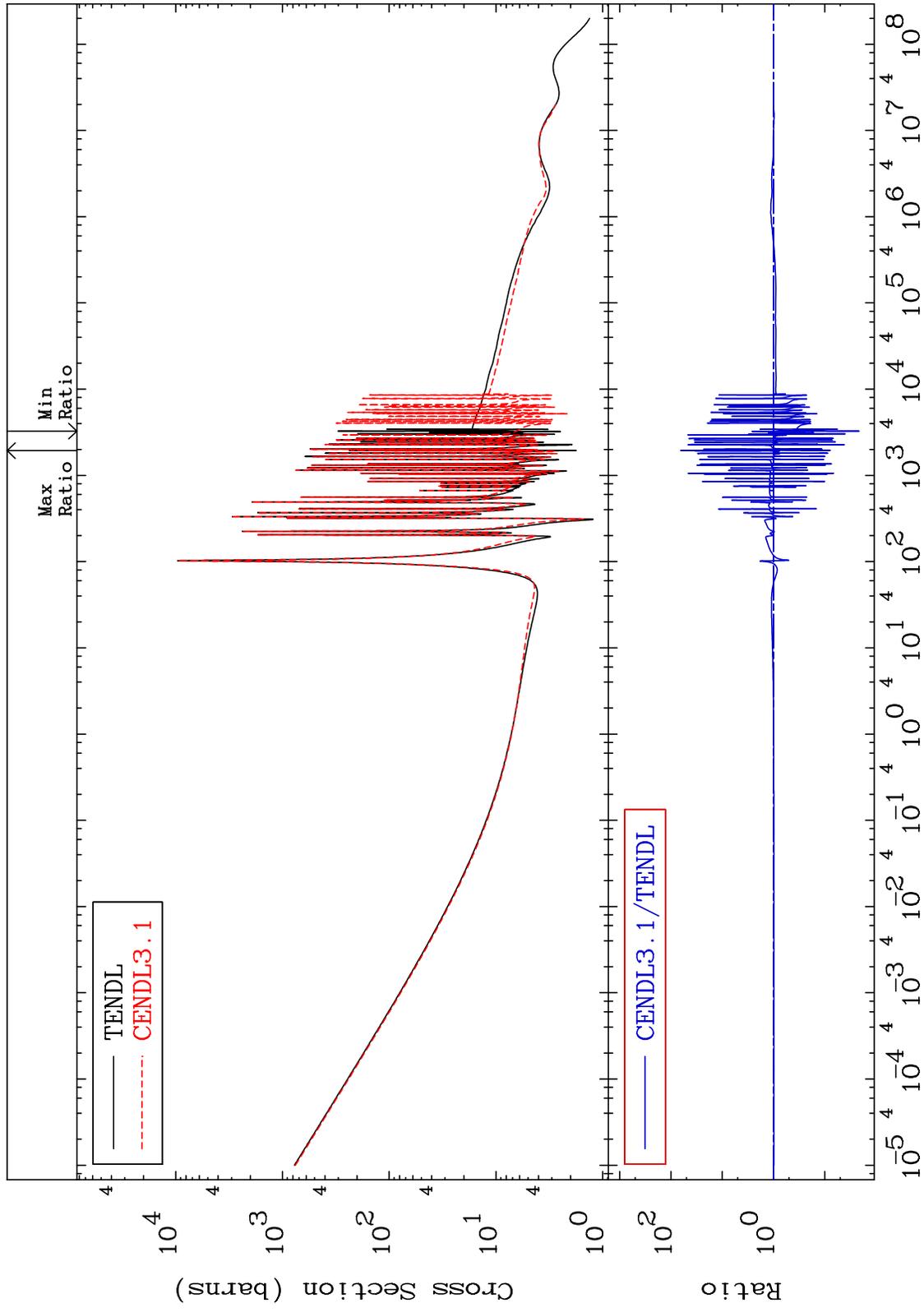
Press Mouse Button to Start

MAT 3234

Total  
Cross Section

32-Ge-73

-97.86 To 6390. %



1

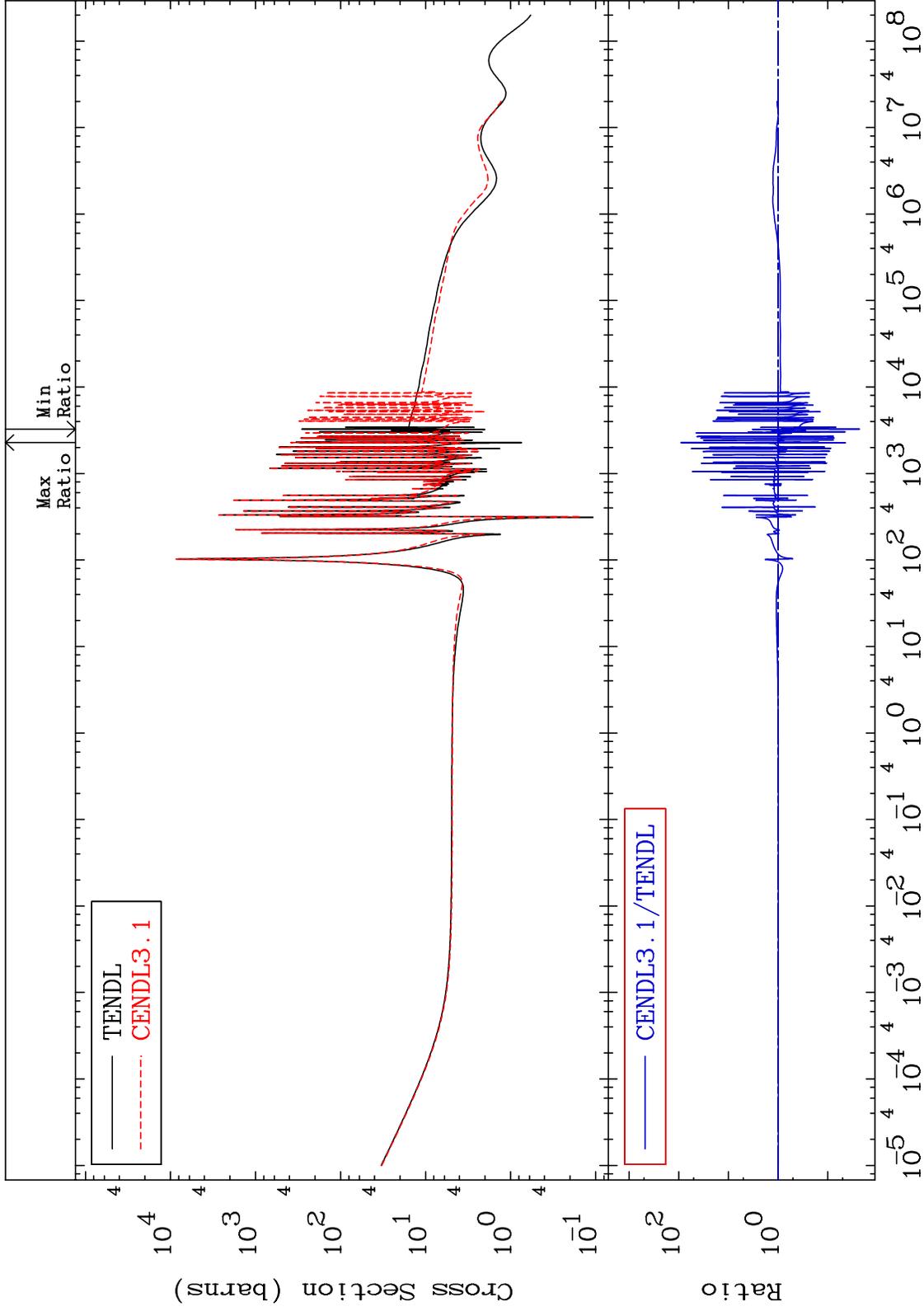
Incident Energy (eV)

32-Ge-73

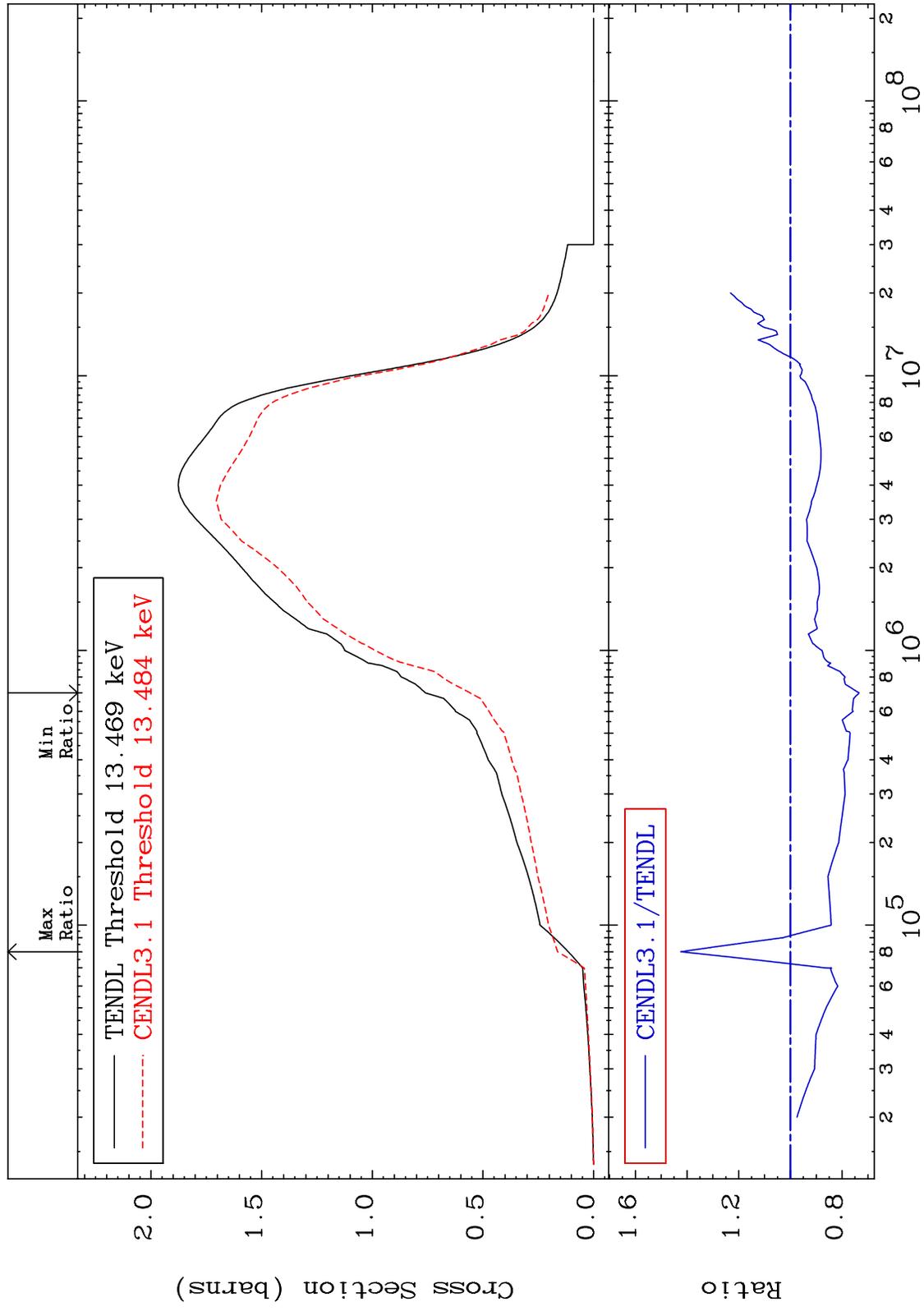
MAT 3234

Elastic  
Cross Section

32-Ge-73  
-97.74 To 8992. %

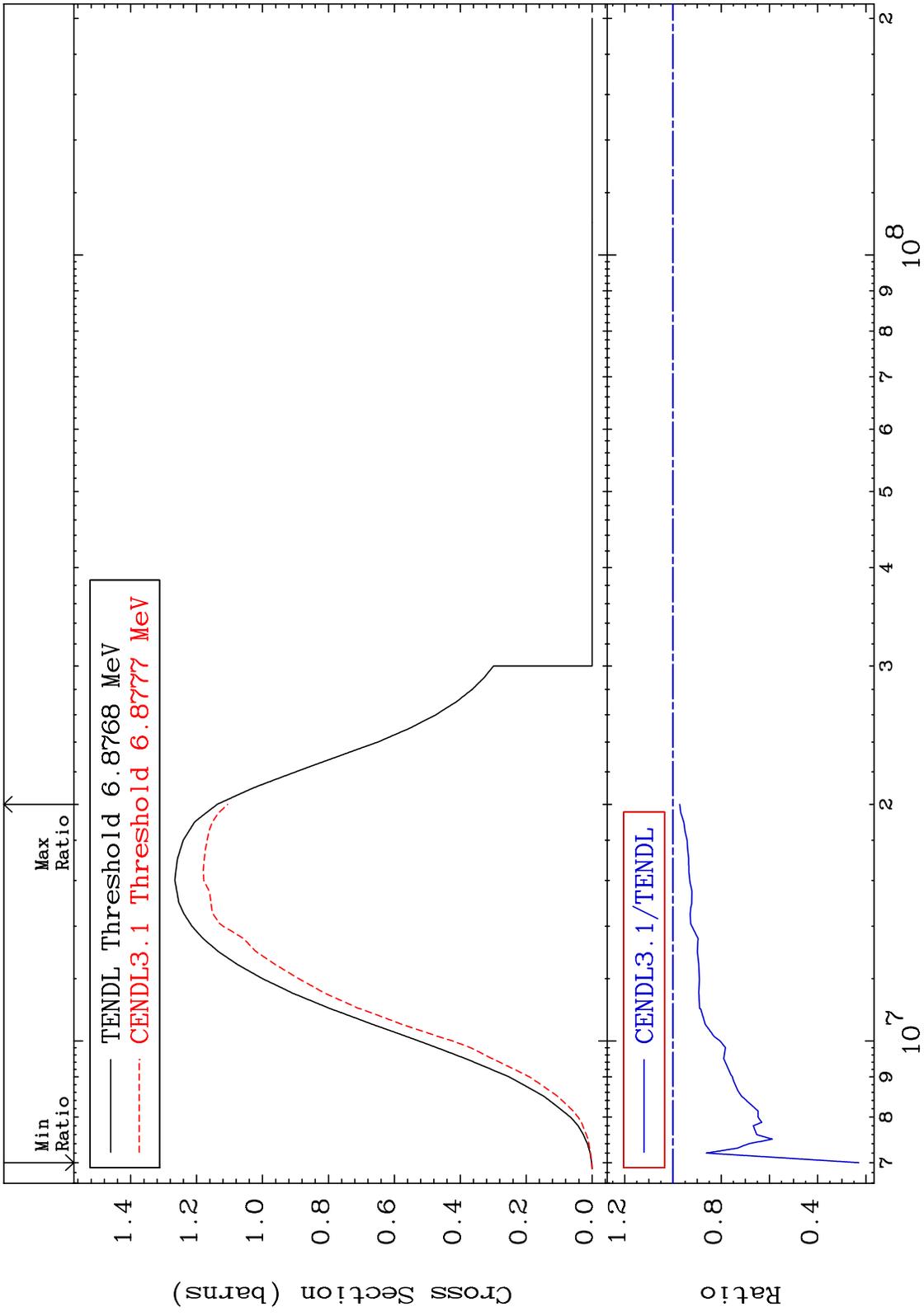


MAT 3234 Inelastic Cross Section 32-Ge-73 -26.59 To 42.39 %

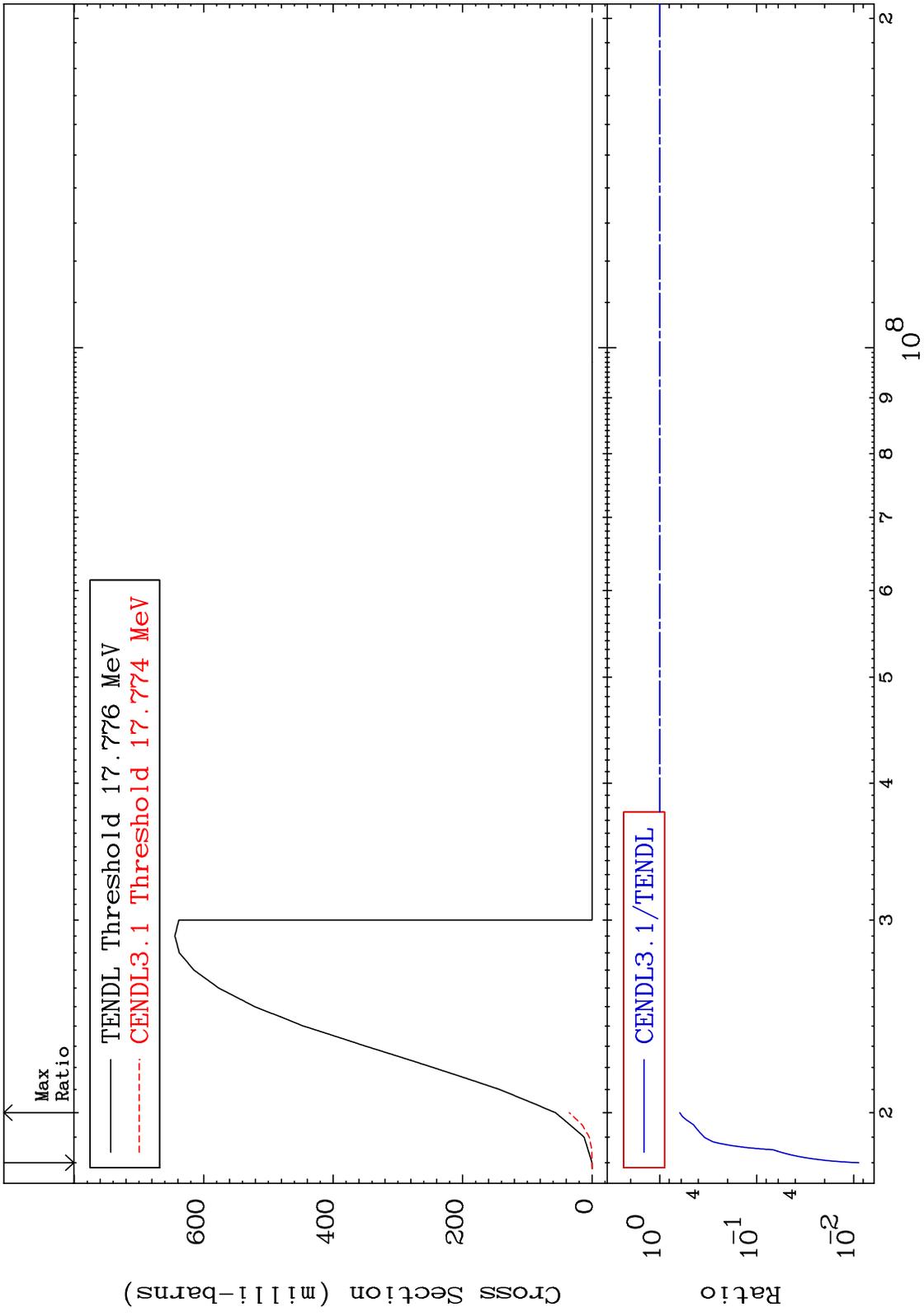


3 32-Ge-73

MAT 3234 (n,2n) 32-Ge-73  
Cross Section -77.04 To -2.799%



MAT 3234 (n,3n) Cross Section 32-Ge-73 -99.11 To -37.78%



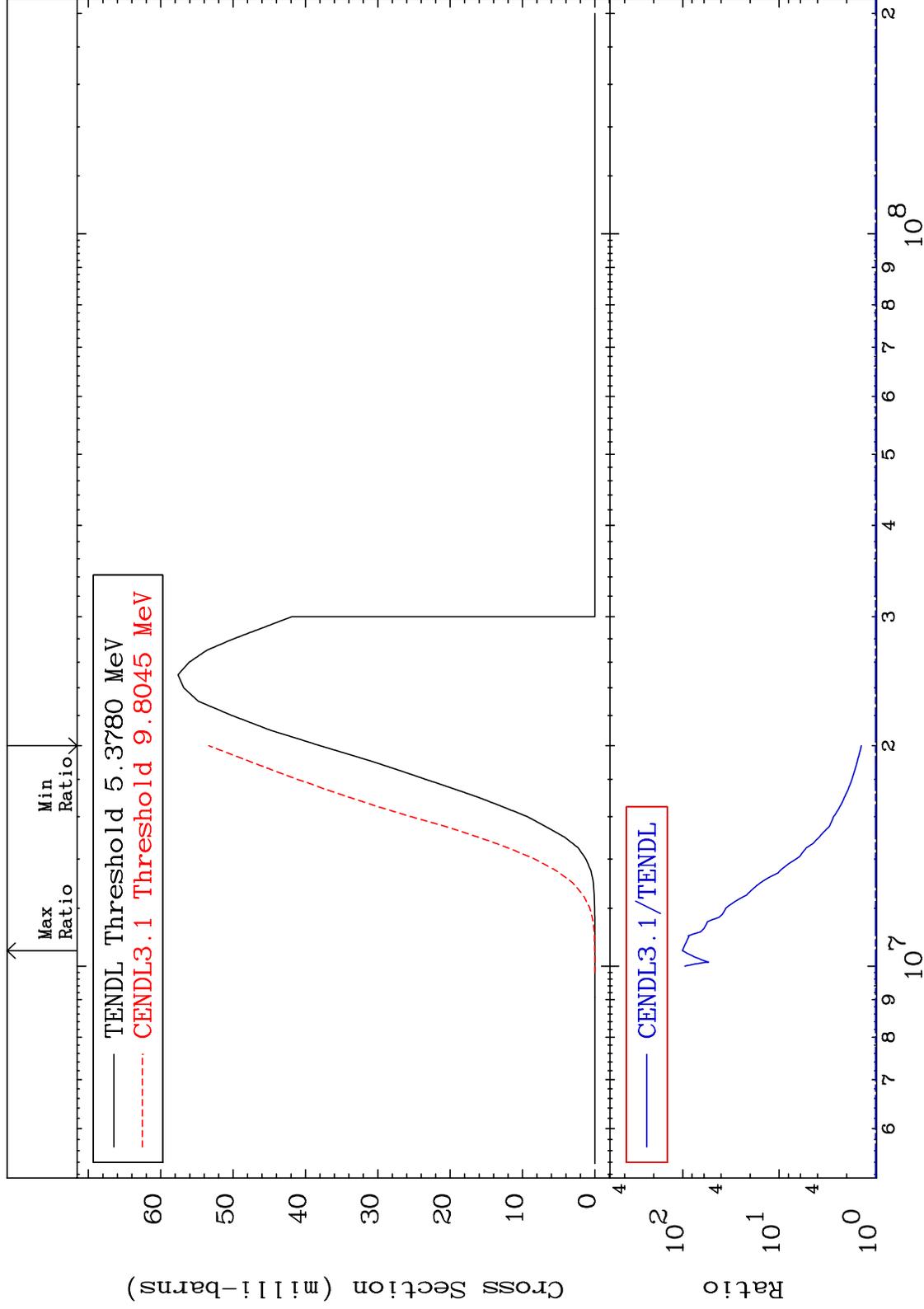
MAT 3234

(n, n')  $\alpha$

32-Ge-73

Cross Section

40.52 To 9965. %

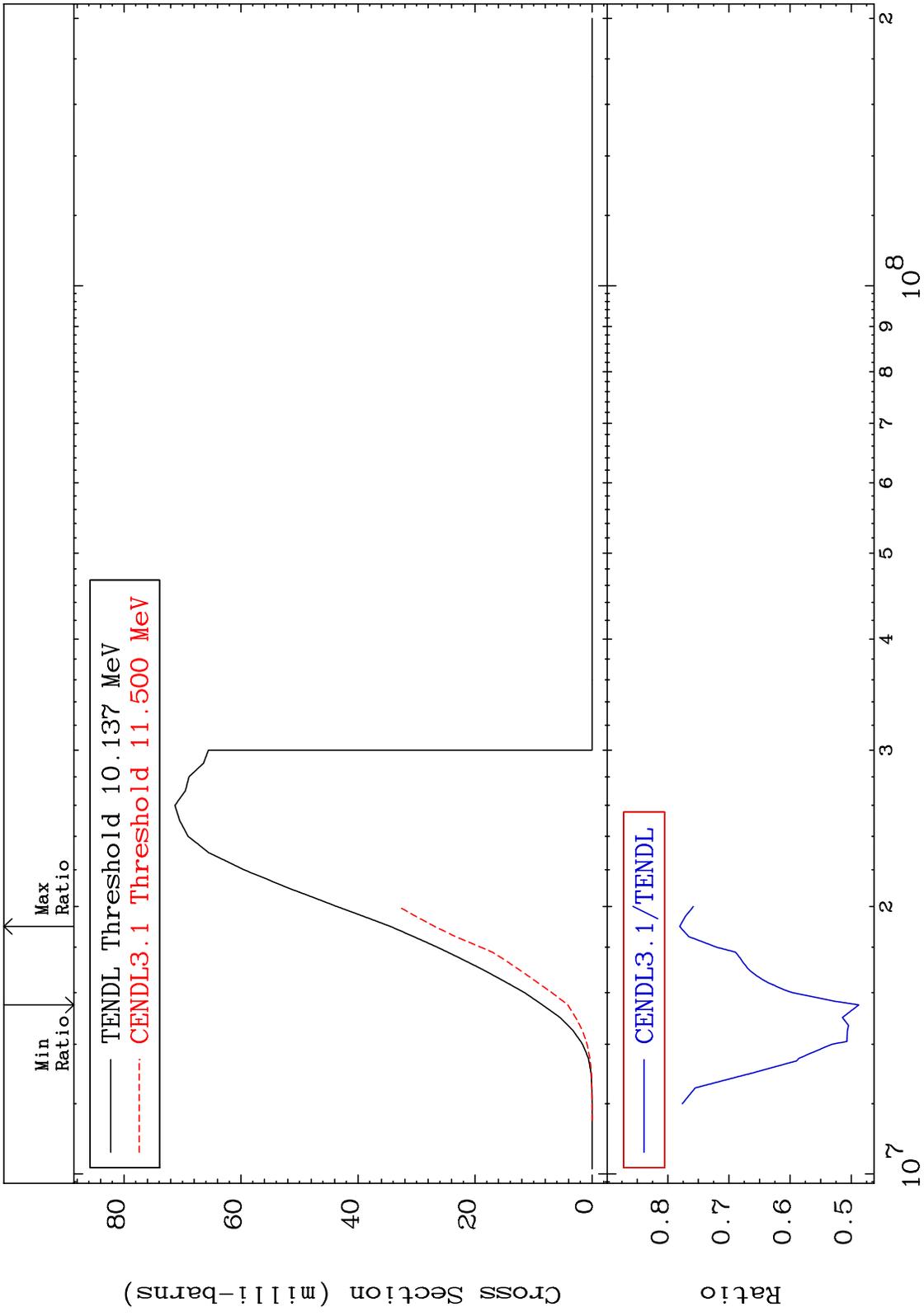


6

Incident Energy (eV)

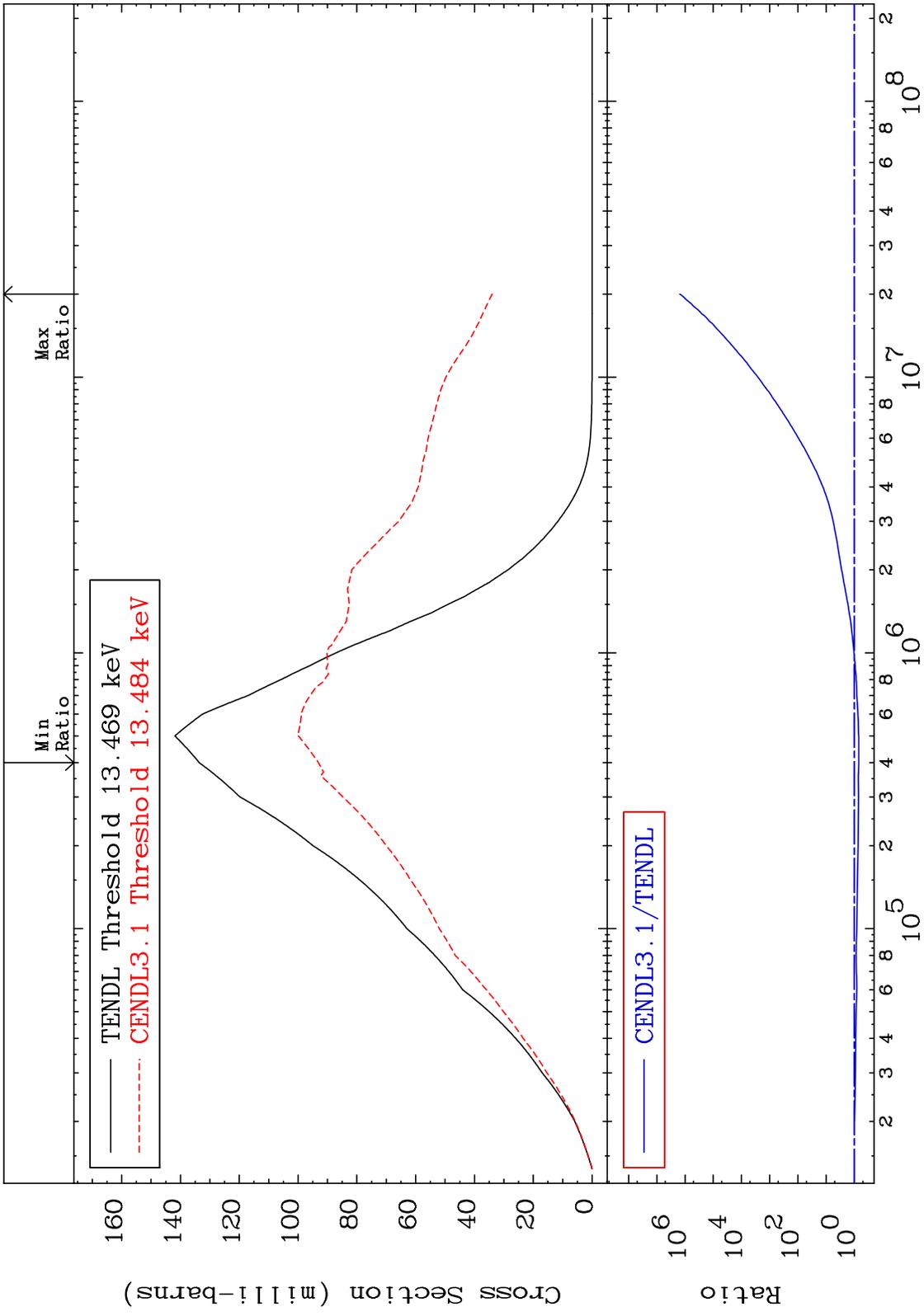
32-Ge-73

MAT 3234 (n,n') p 32-Ge-73  
Cross Section -51.23 To -21.95%

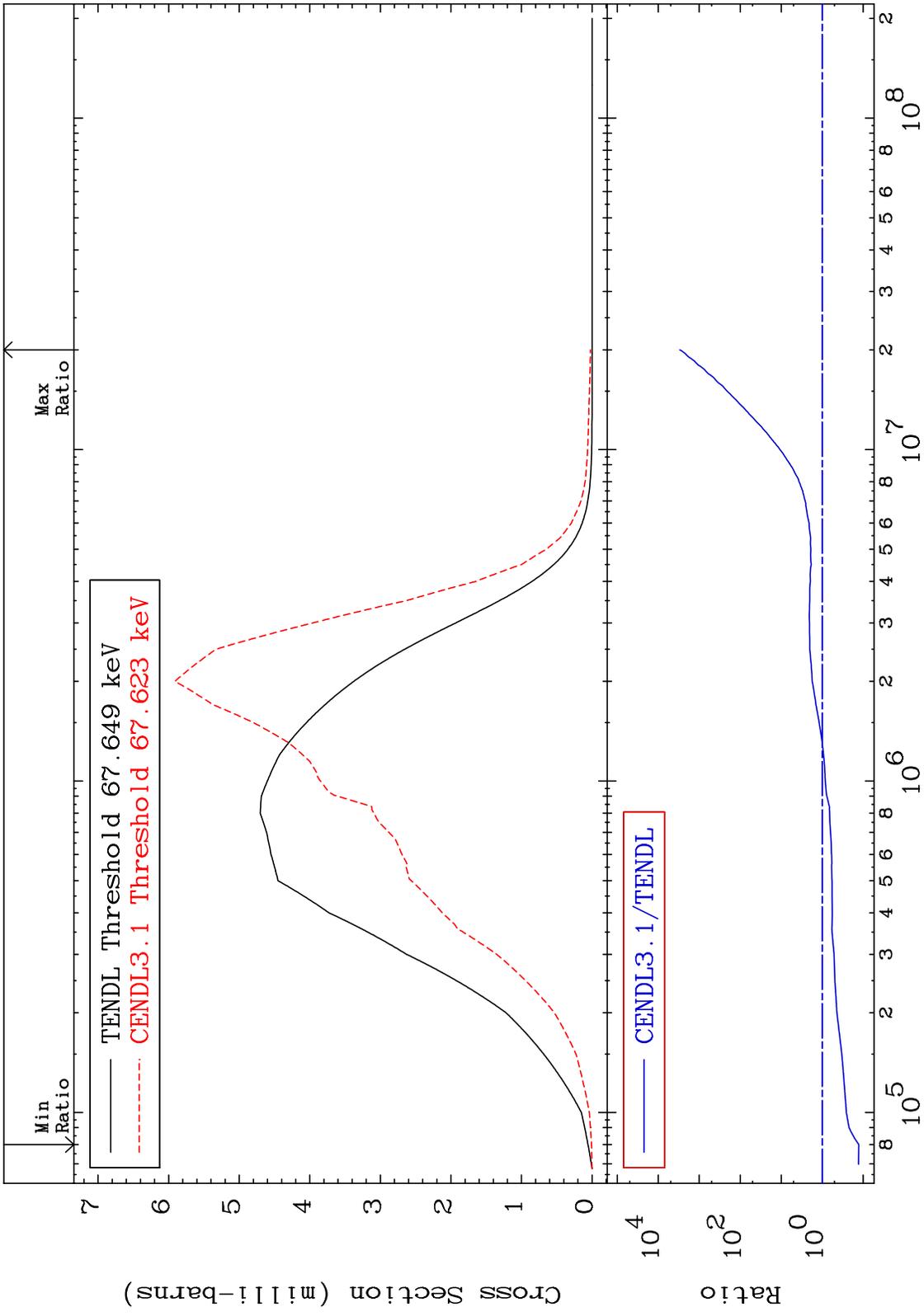


Incident Energy (eV) 32-Ge-73

MAT 3234 MT= 51 (n,n') Level Cross Section -30.33 To 9999. % 32-Ge-73



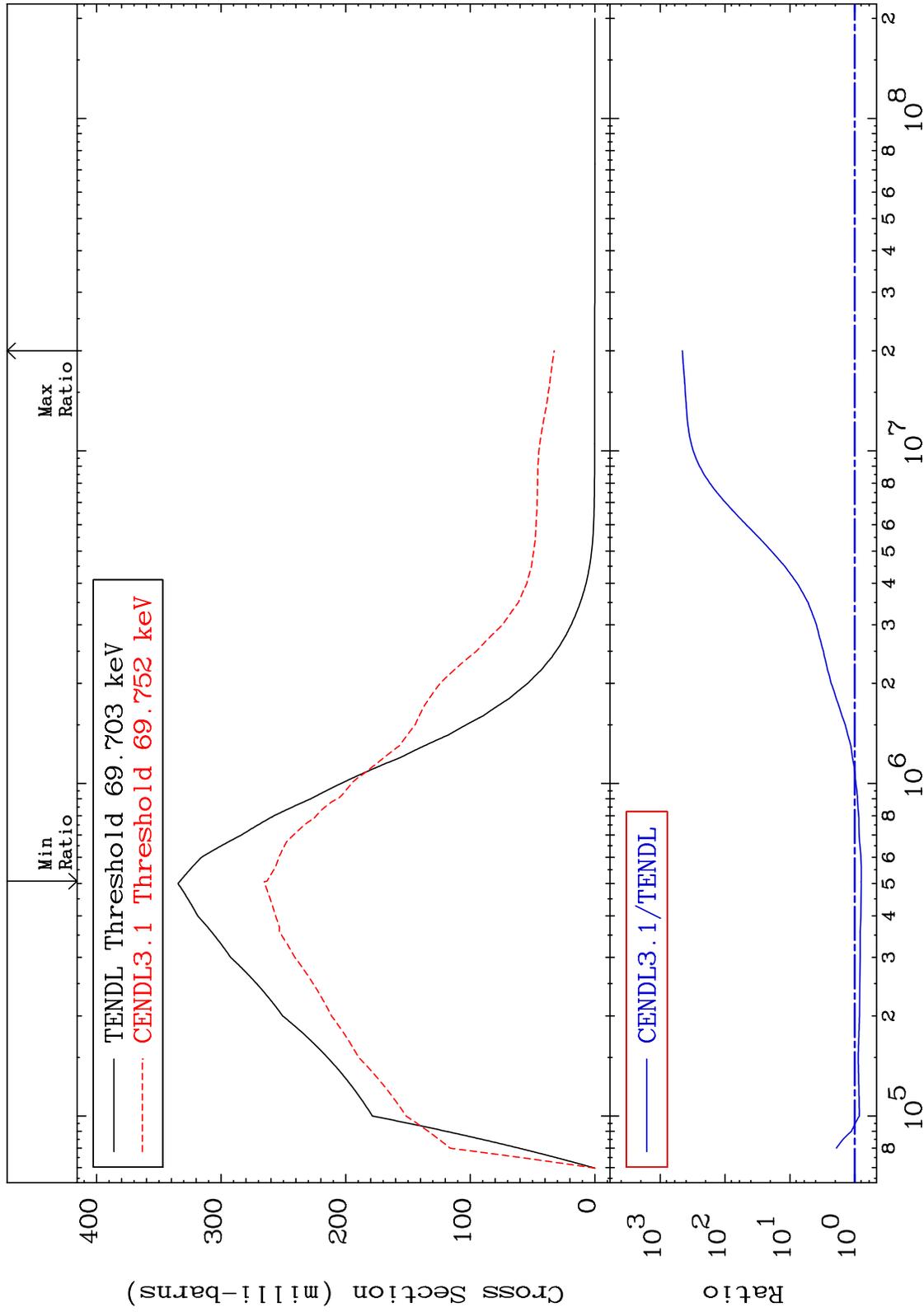
MAT 3234 MT= 52 (n,n') Level Cross Section -87.23 To 9999. % 32-Ge-73



MAT 3234

MT= 53 (n,n') Level  
Cross Section

32-Ge-73  
-20.99 To 9999. %

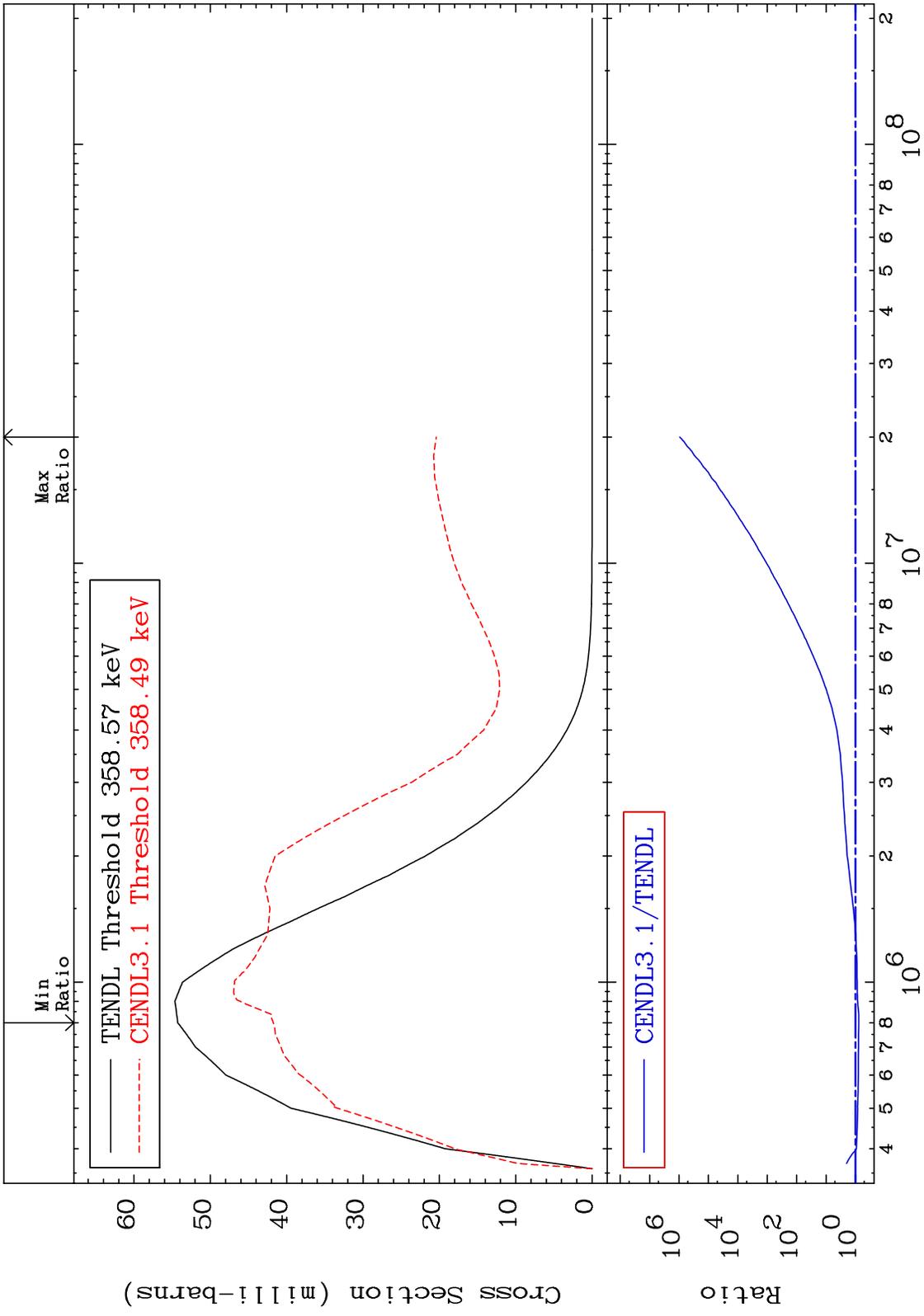


10

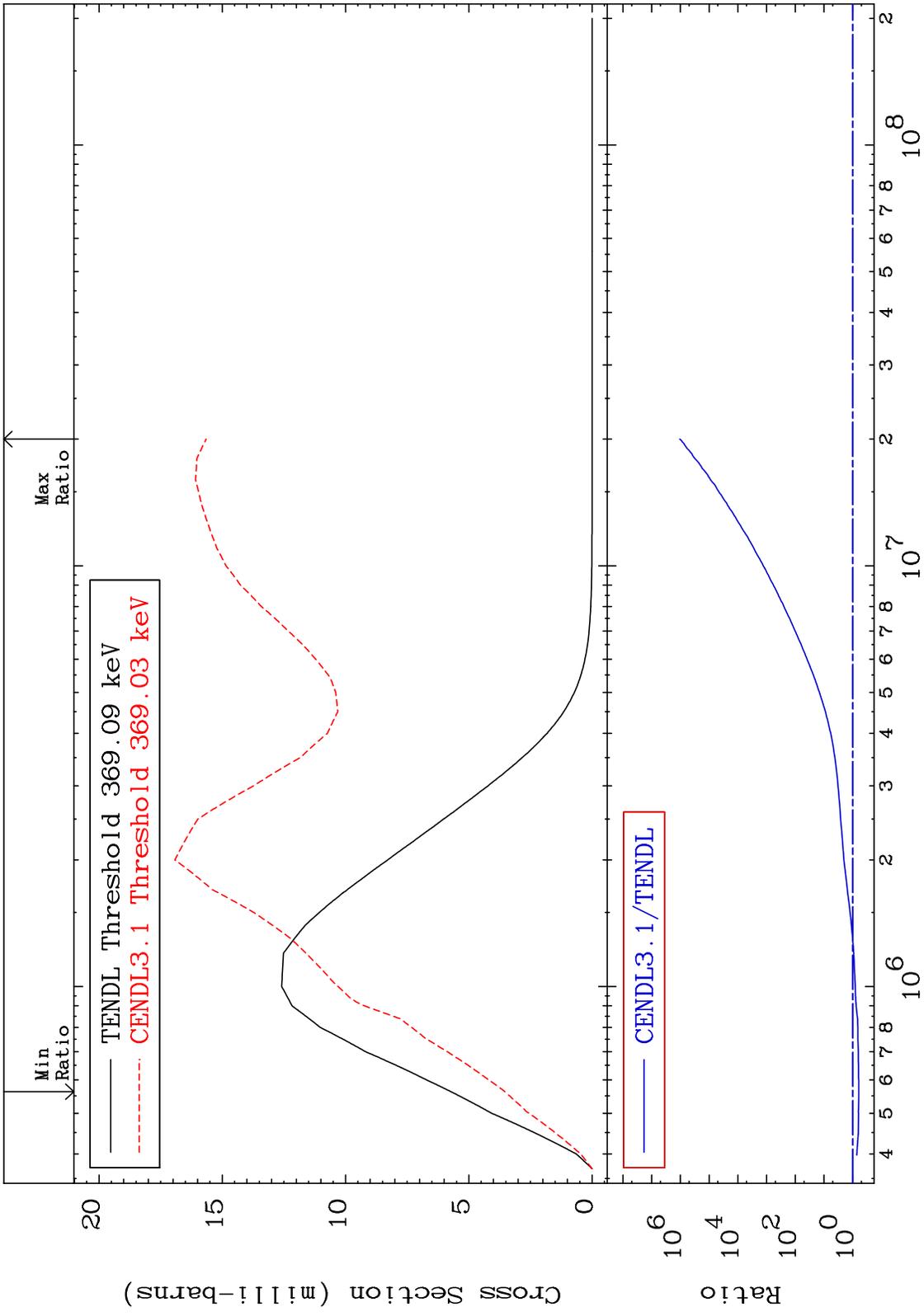
Incident Energy (eV)

32-Ge-73

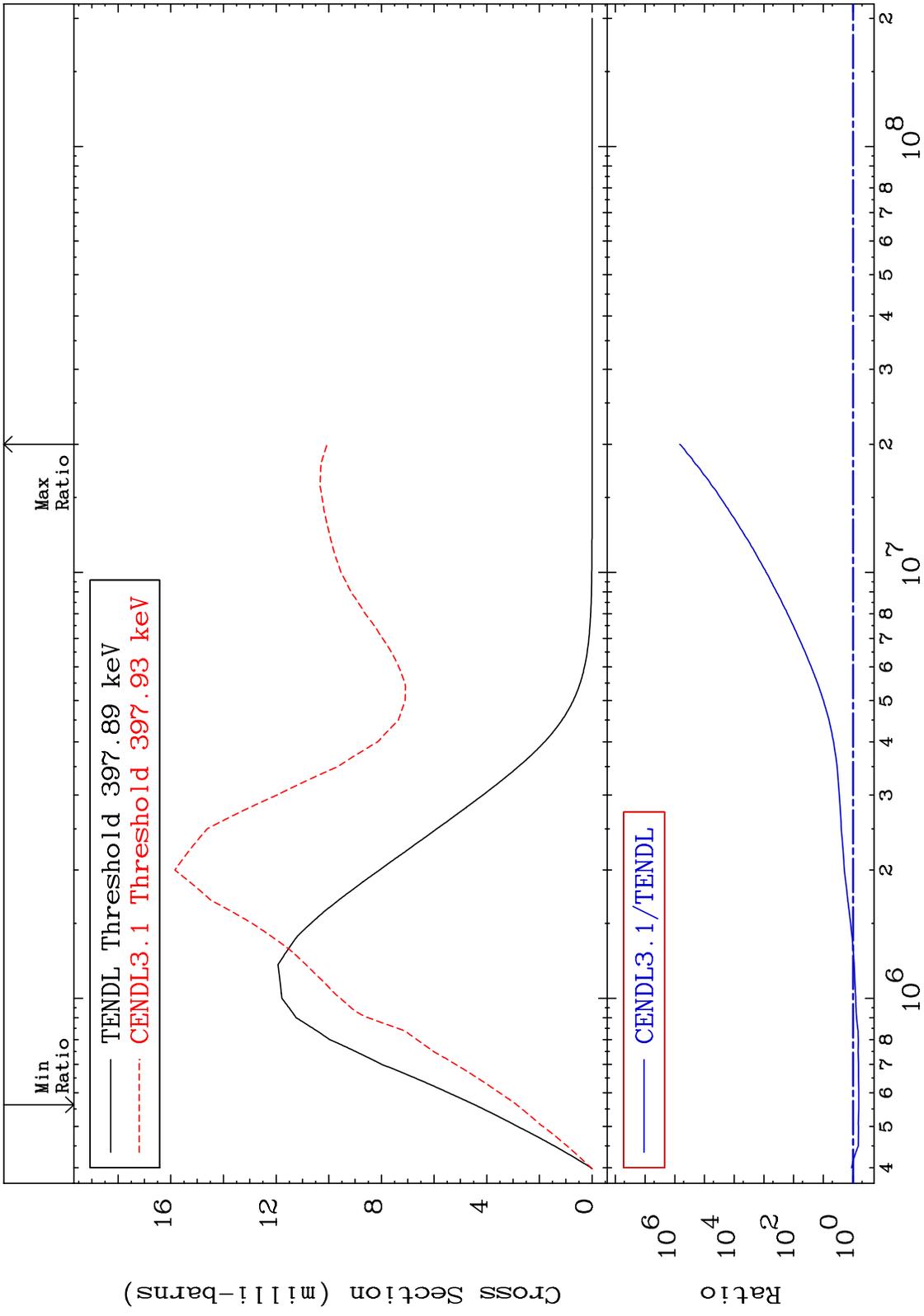
MAT 3234 MT= 54 (n,n') Level Cross Section -23.06 To 9999. % 32-Ge-73



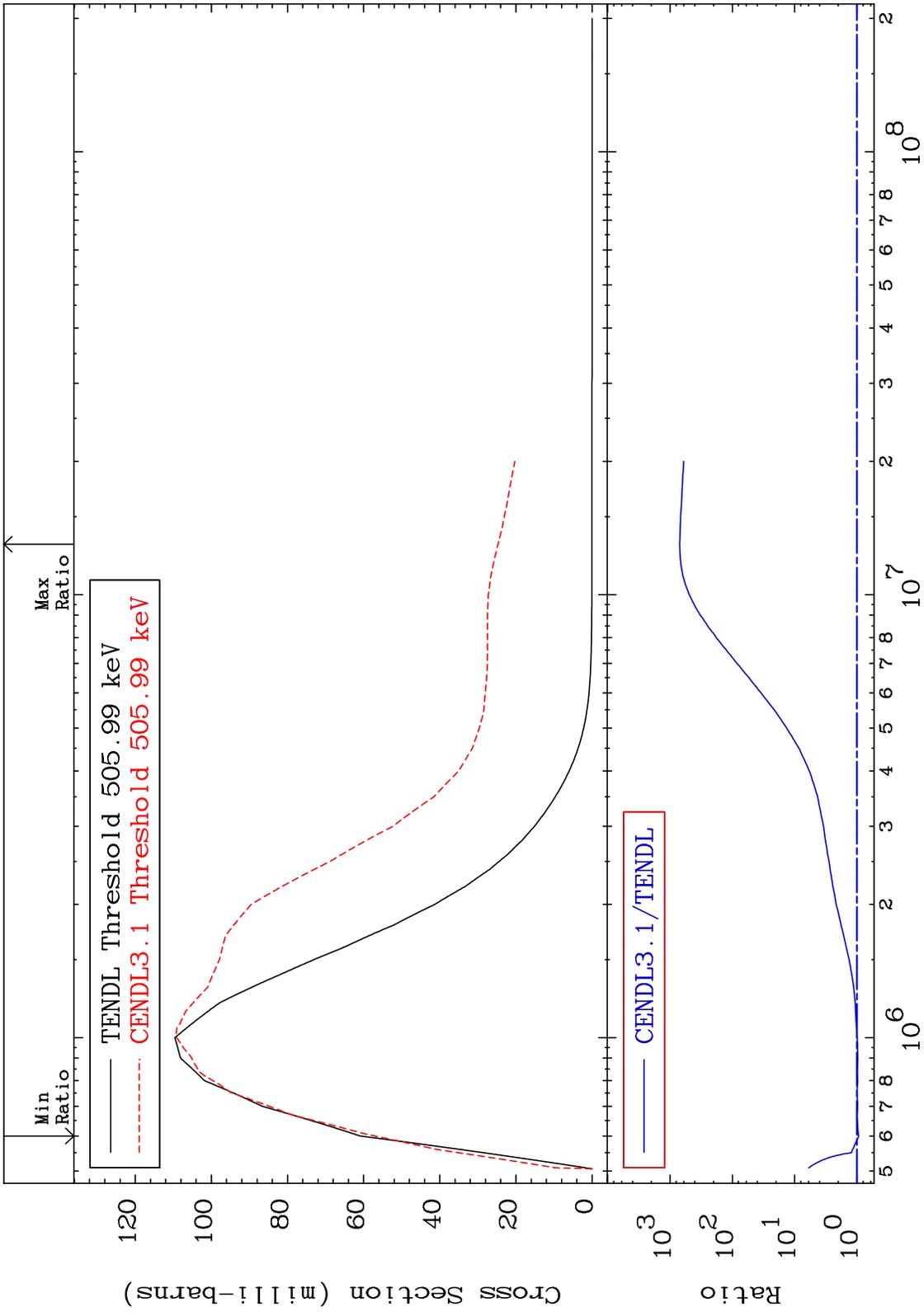
MAT 3234 MT= 55 (n,n') Level Cross Section -38.34 To 9999. % 32-Ge-73



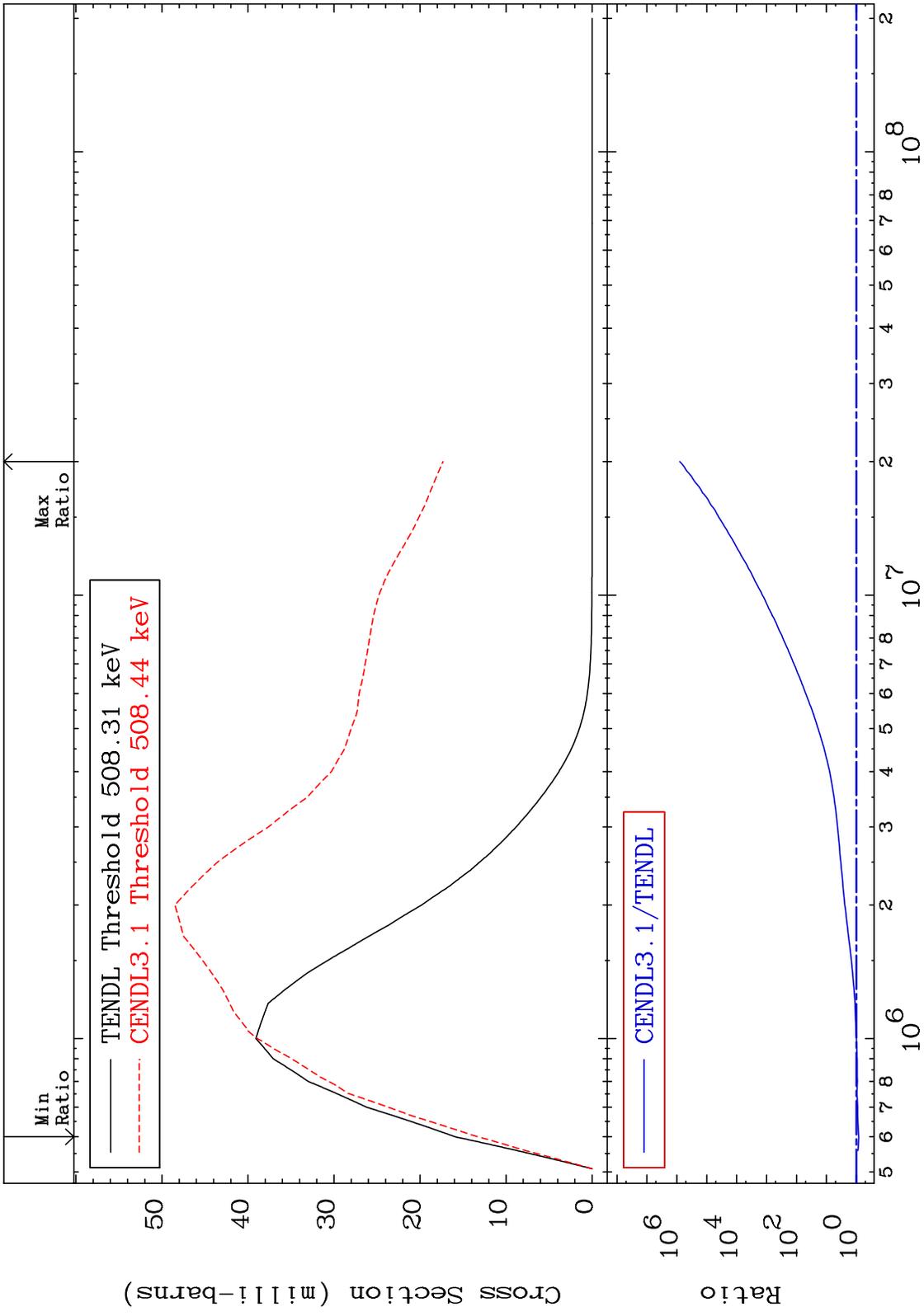
MAT 3234 MT= 56 (n,n') Level Cross Section -36.05 To 9999. % 32-Ge-73



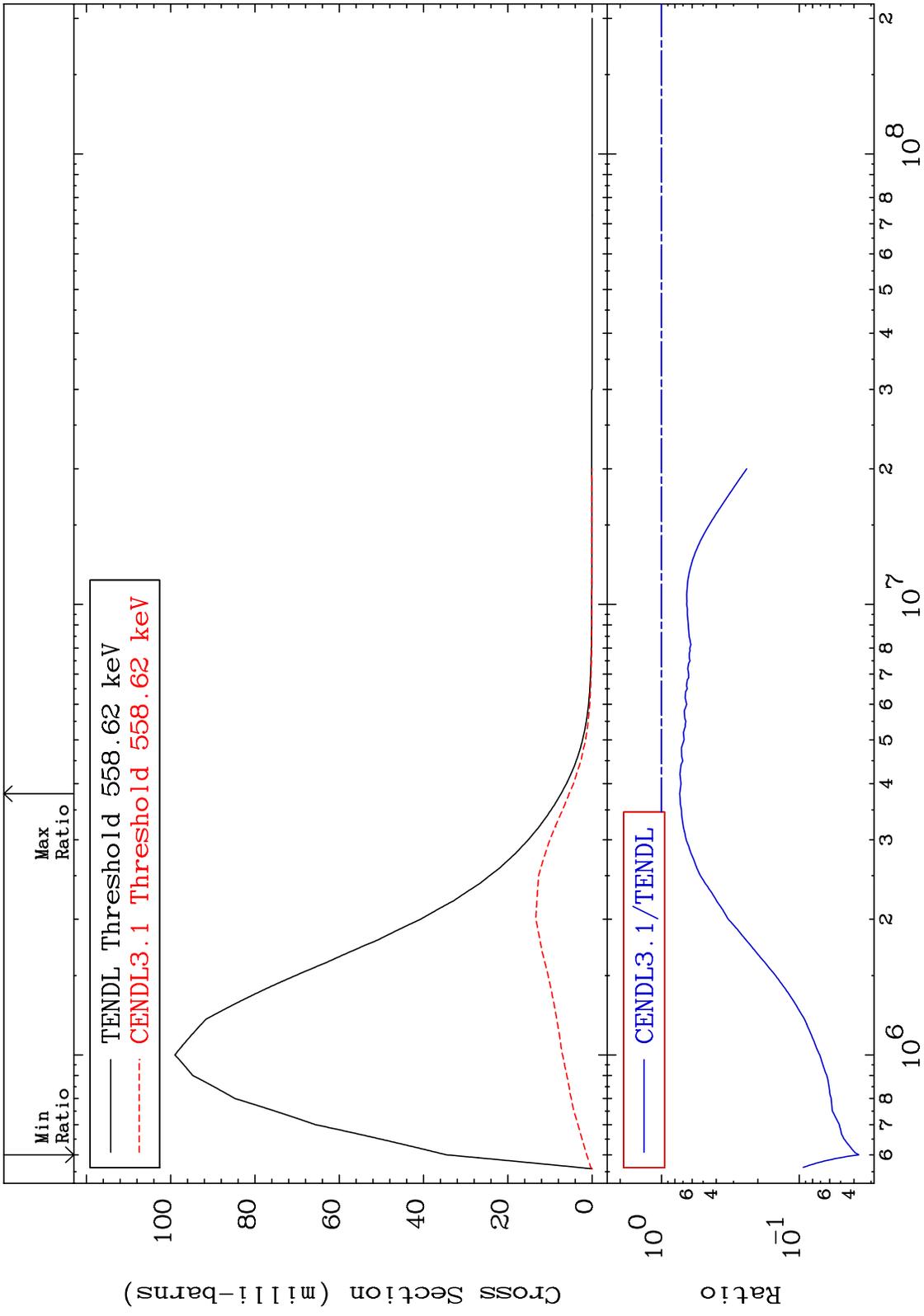
MAT 3234 MT= 57 (n,n') Level Cross Section -6.314 To 9999. % 32-Ge-73



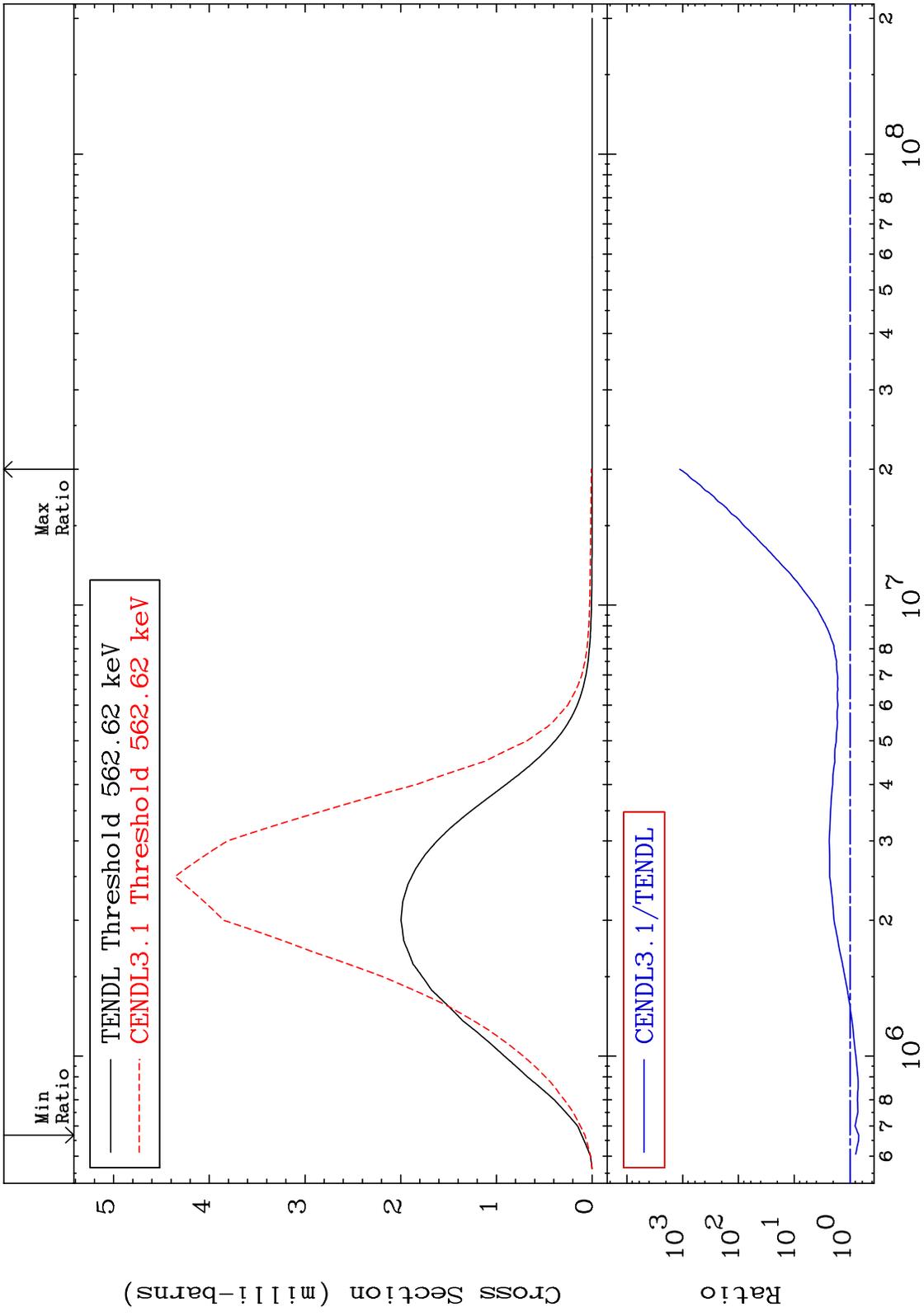
MAT 3234      MT= 58 (n,n') Level Cross Section      32-Ge-73  
 -16.95 To 9999. %



MAT 3234 MT= 59 (n,n') Level Cross Section 32-Ge-73  
 -96.31 To -26.21%

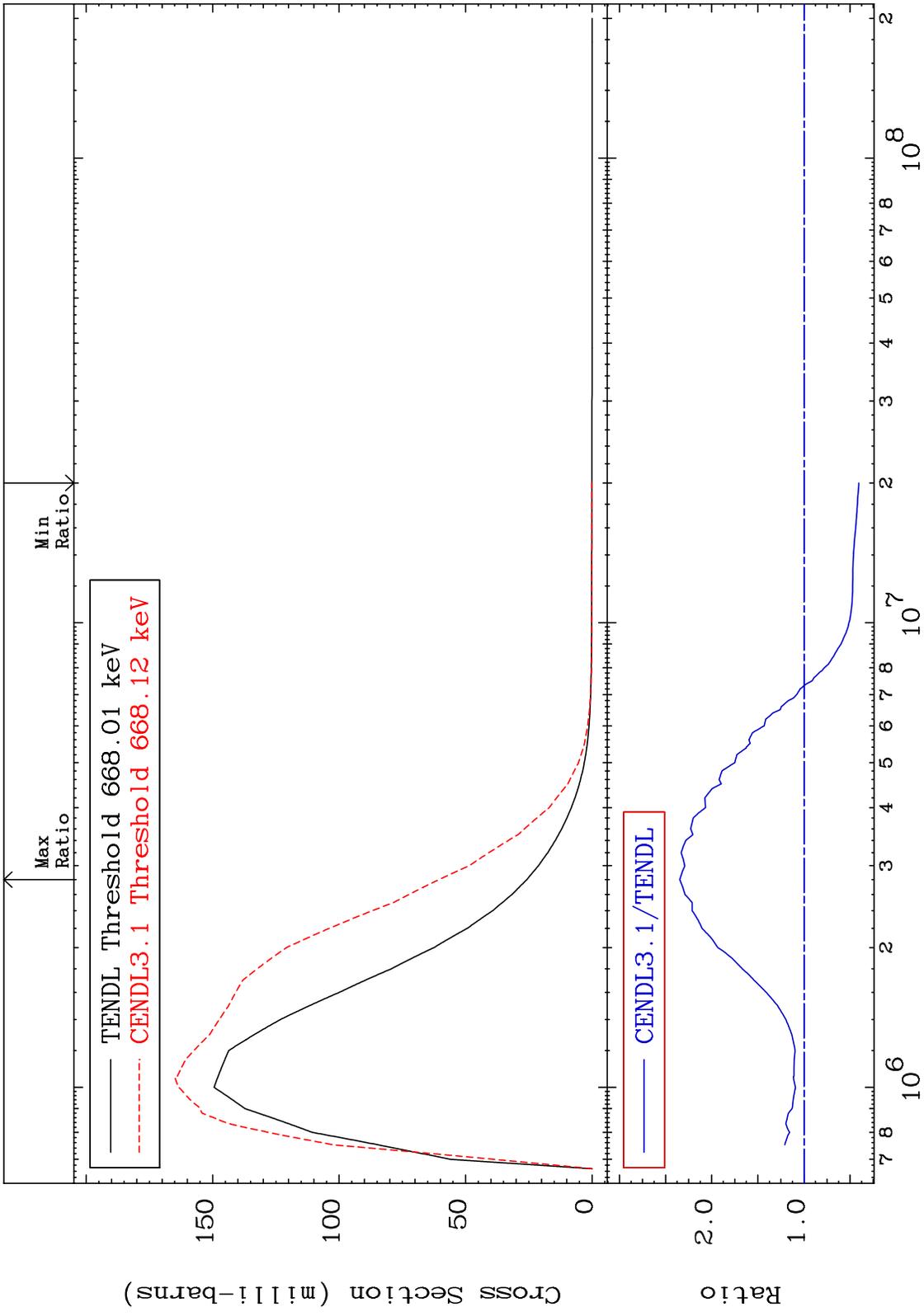


MAT 3234 MT= 60 (n,n') Level Cross Section -30.63 To 9999. % 32-Ge-73

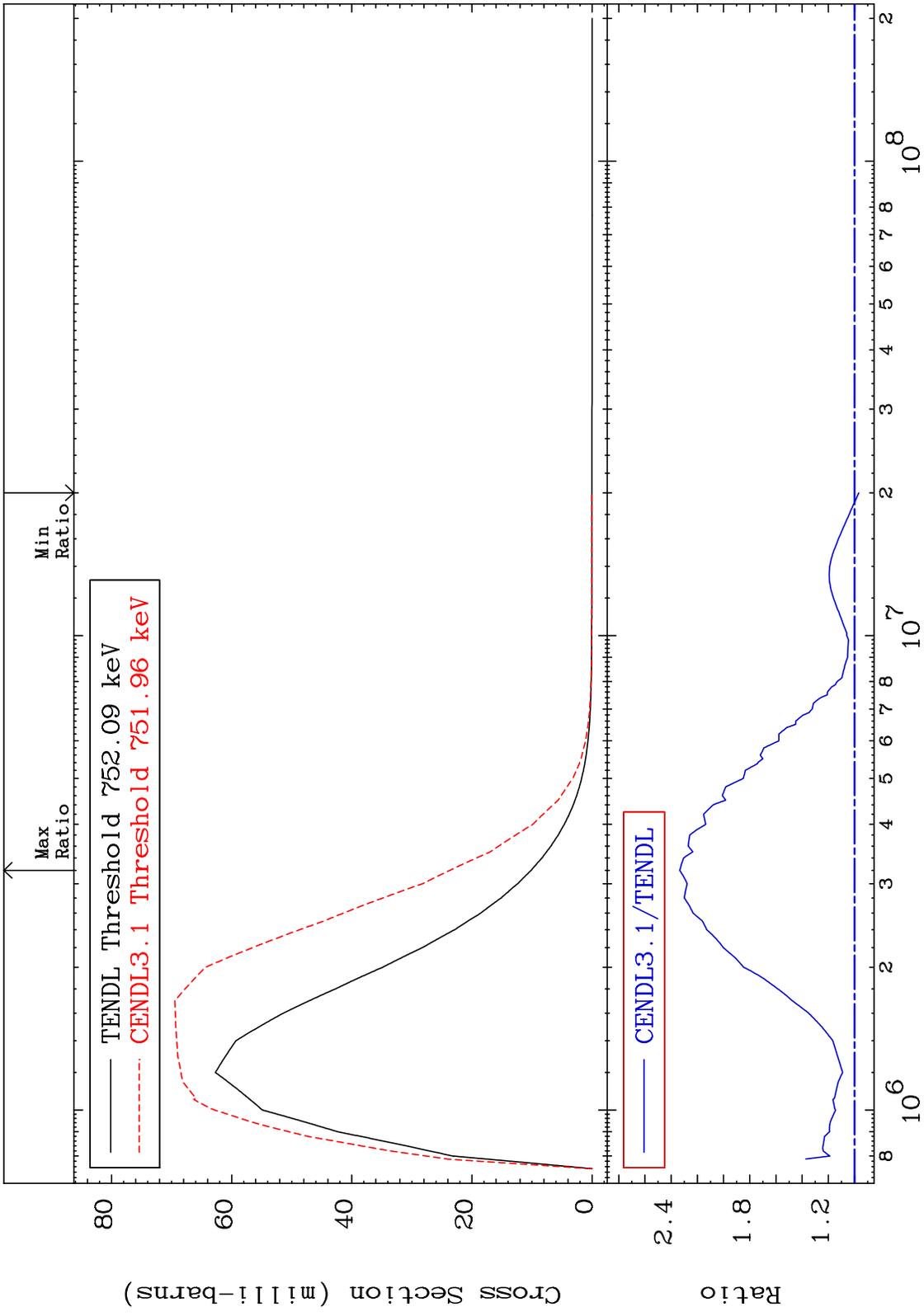




MAT 3234 MT= 62 (n,n') Level Cross Section 32-Ge-73  
 -59.43 To 134.6 %

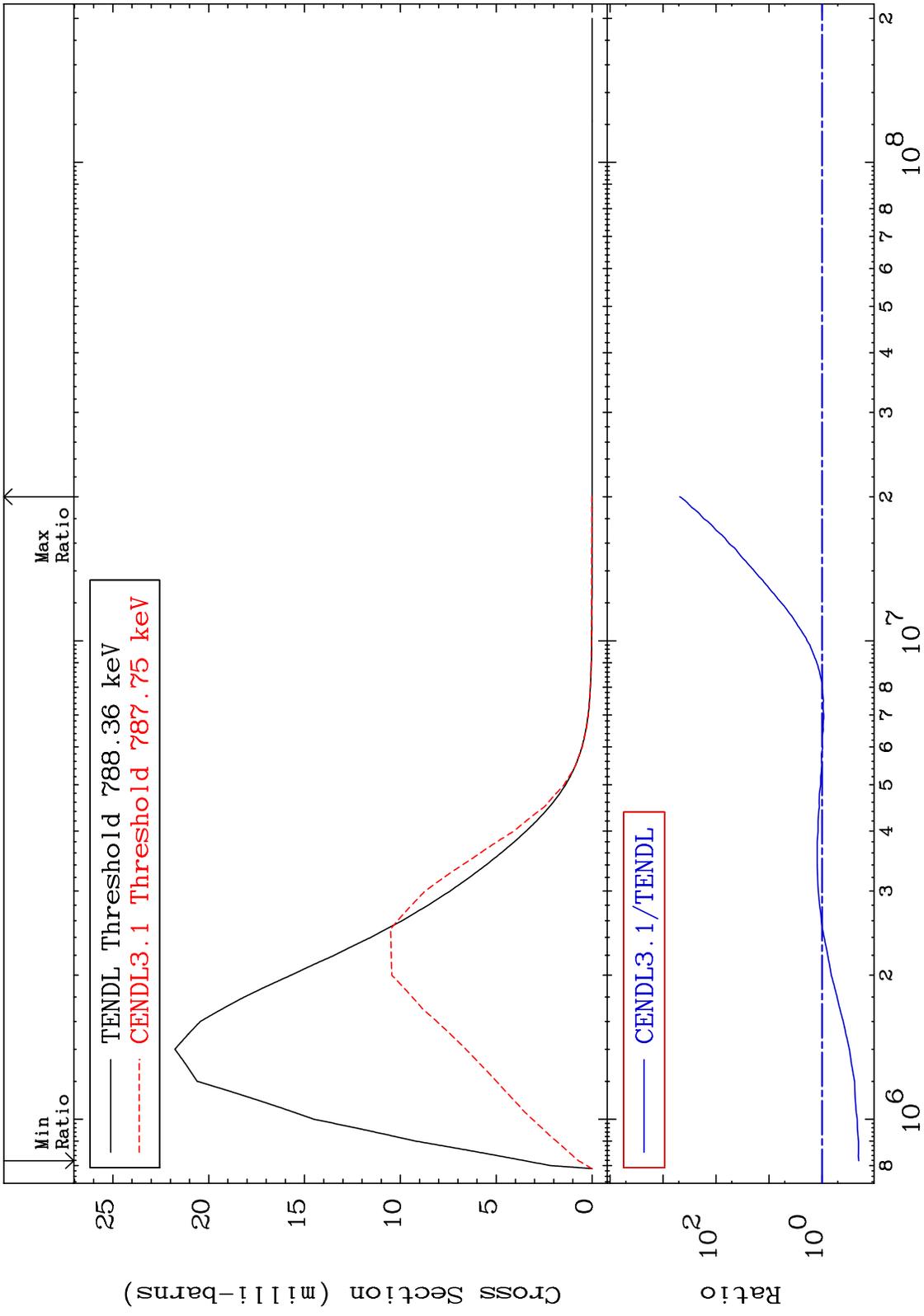


MAT 3234 MT= 63 (n,n') Level Cross Section -3.251 To 133.4 % 32-Ge-73

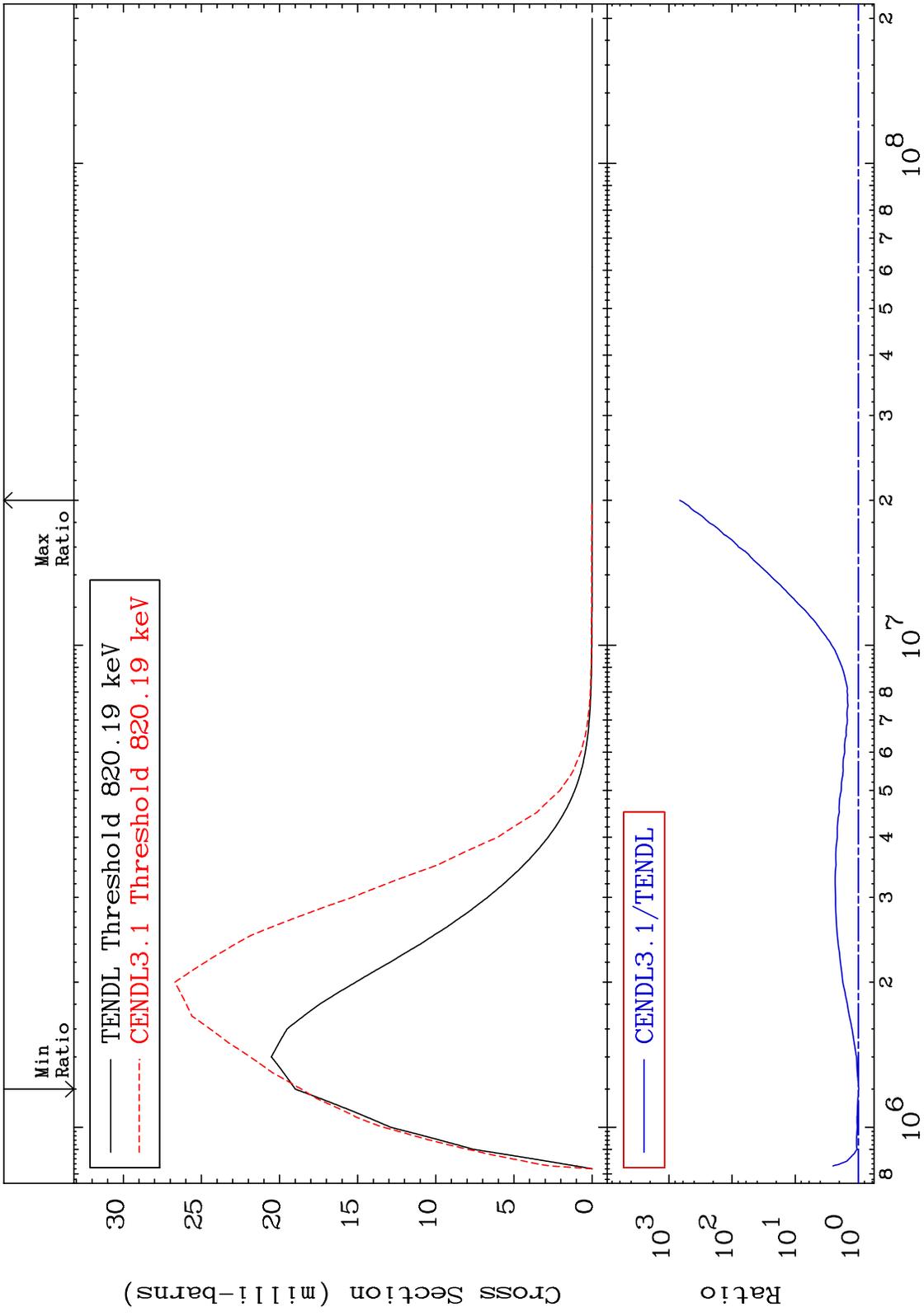


20 Incident Energy (eV) 32-Ge-73

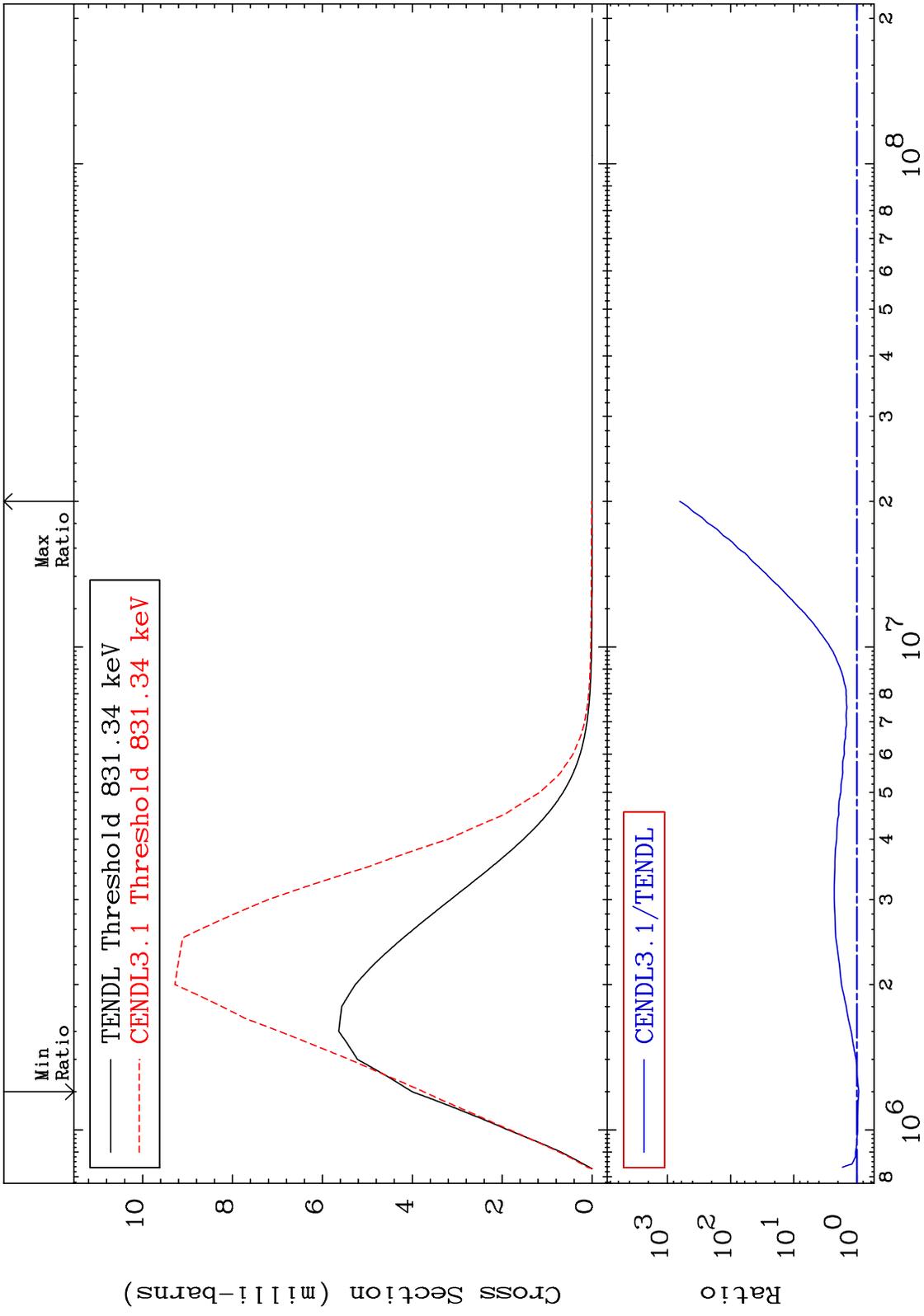
MAT 3234 MT= 64 (n,n') Level Cross Section 32-Ge-73  
 -79.89 To 9999. %



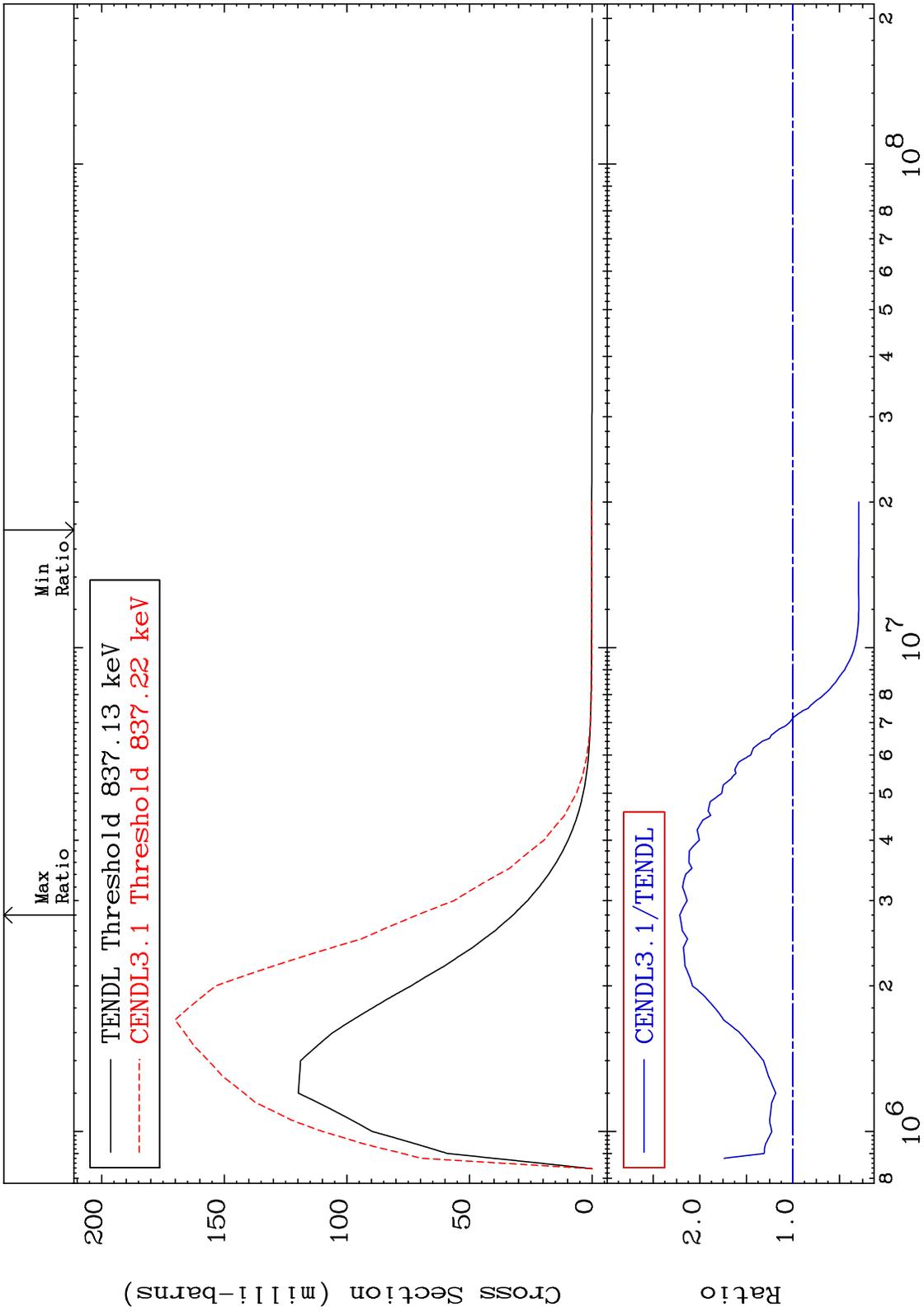
MAT 3234 MT= 65 (n,n') Level Cross Section 32-Ge-73  
 -2.033 To 9999. %



MAT 3234 MT= 66 (n,n') Level Cross Section -6.432 To 9999. % 32-Ge-73



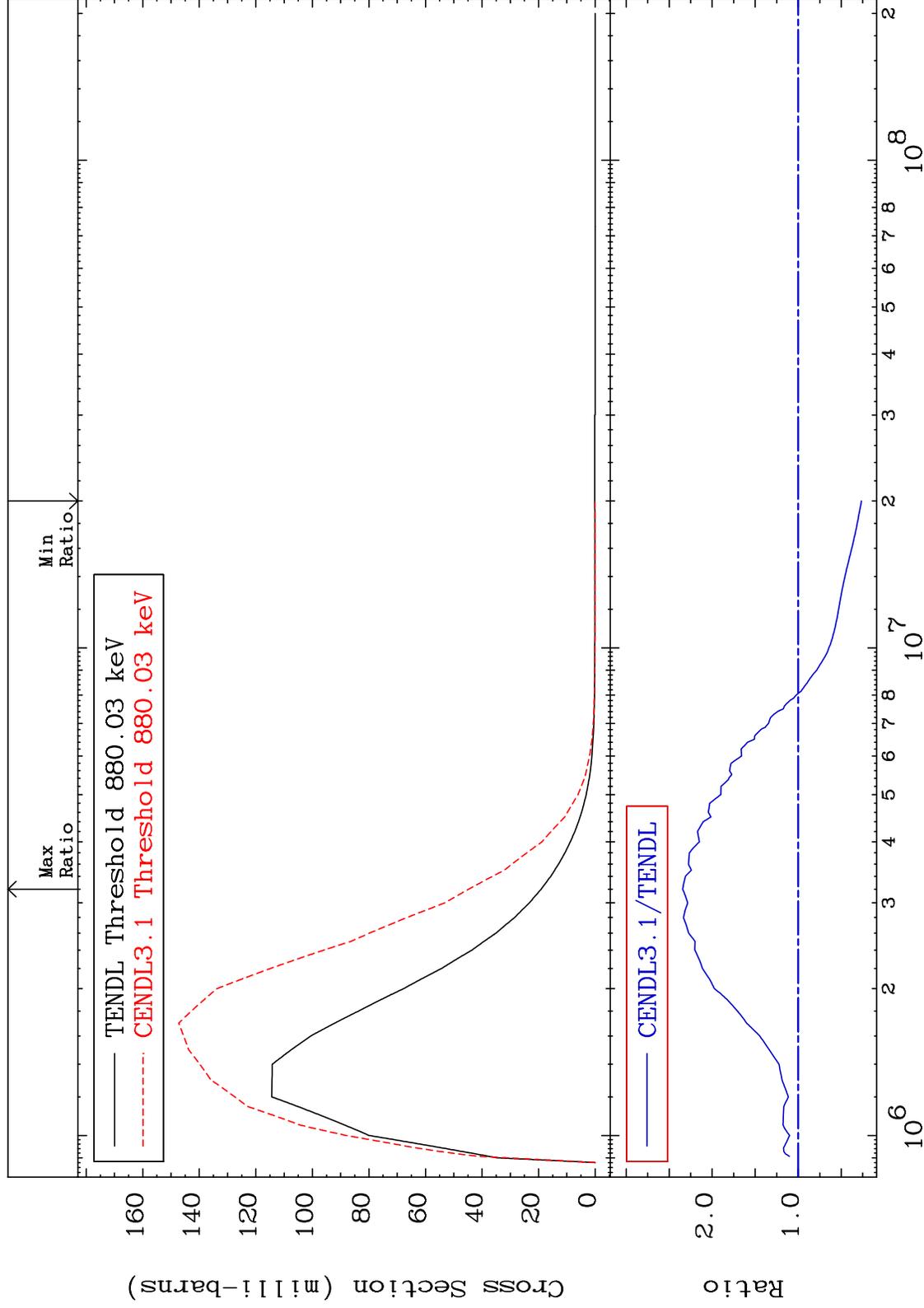
MAT 3234 MT= 67 (n,n') Level Cross Section 32-Ge-73  
 -70.74 To 121.5 %



MAT 3234

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

32-Ge-73  
-73.43 To 134.3 %

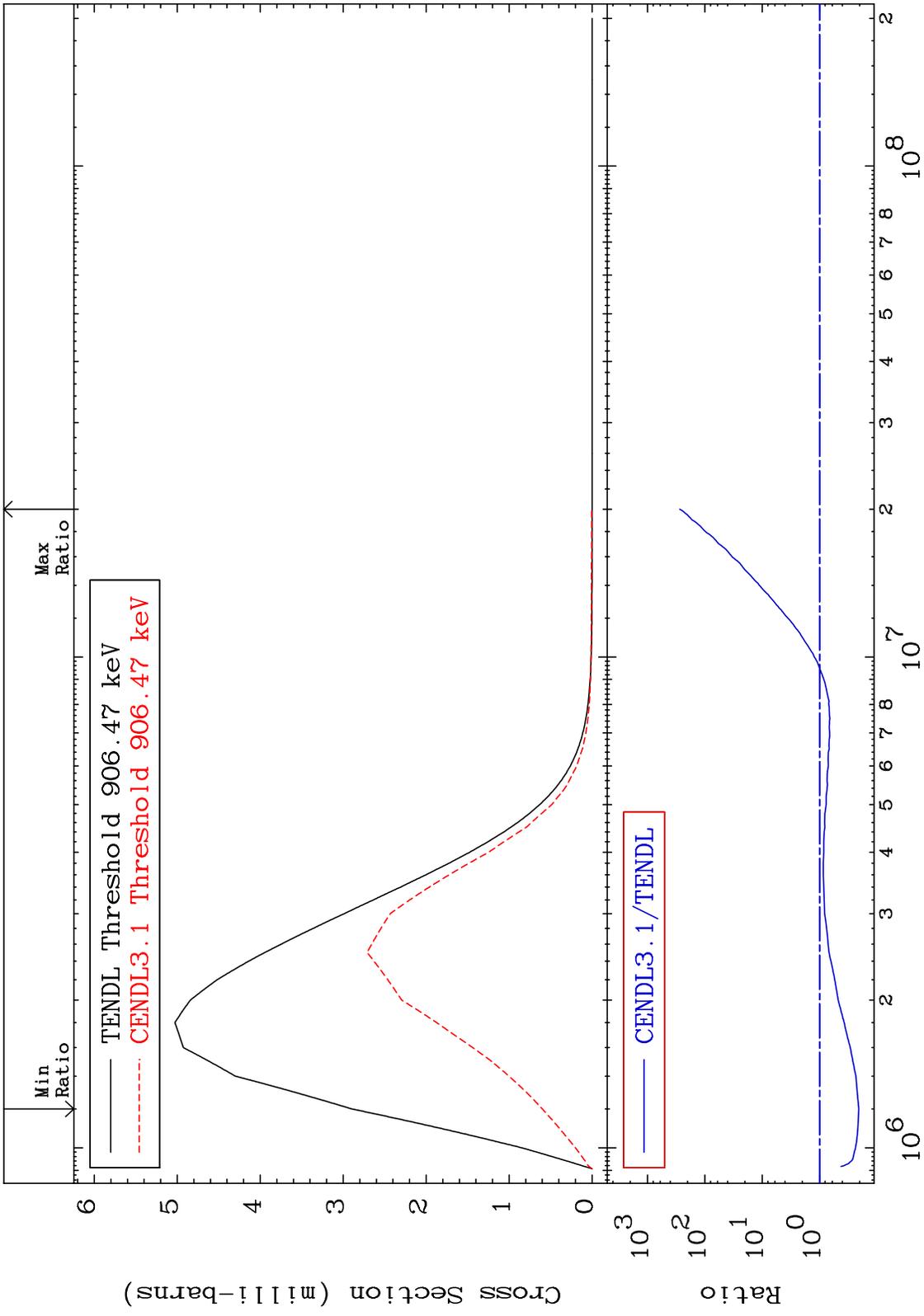


25

Incident Energy (eV)

32-Ge-73

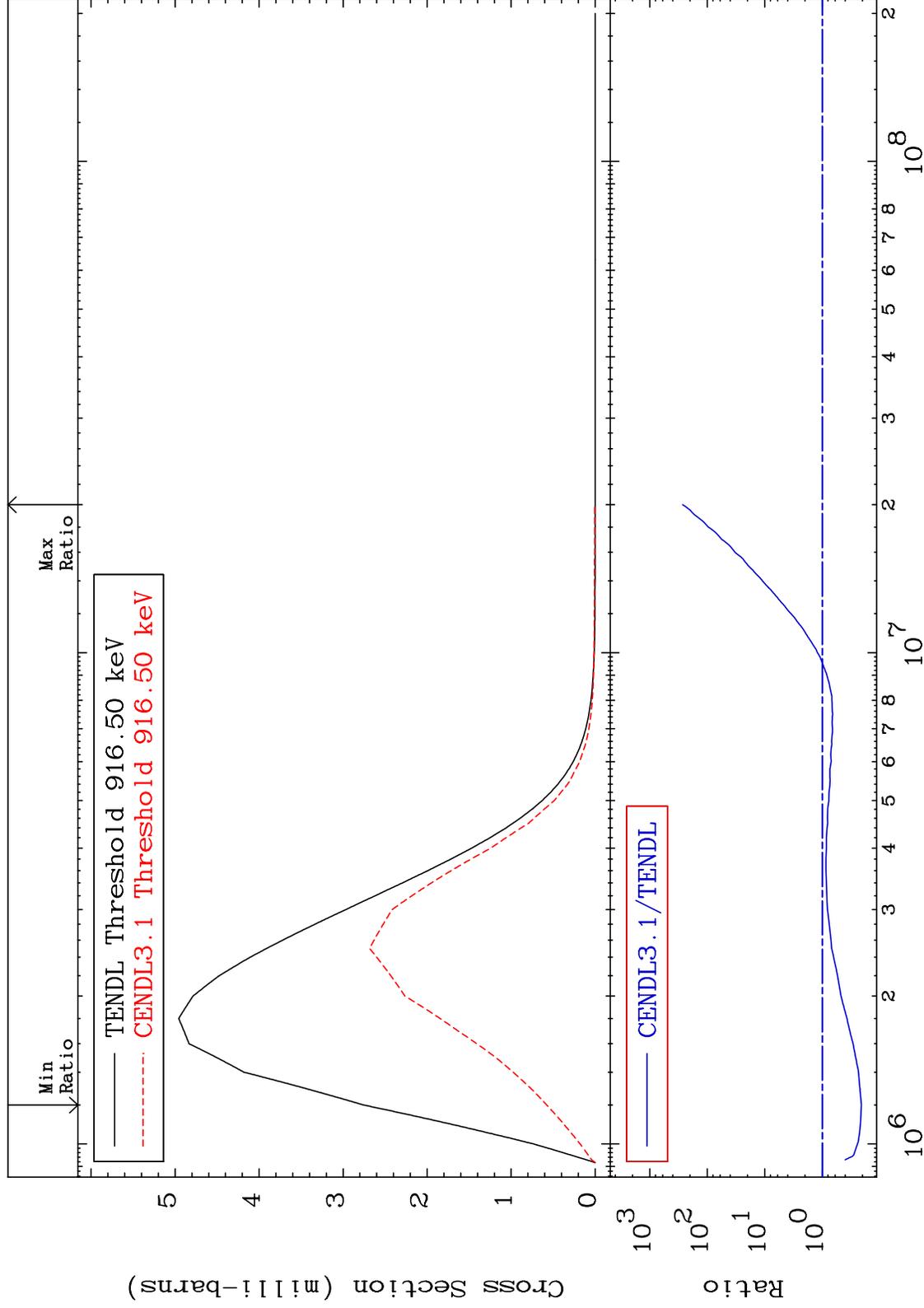
MAT 3234 MT= 69 (n,n') Level Cross Section 32-Ge-73  
 -79.28 To 9999. %



MAT 3234

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

32-Ge-73  
-79.12 To 9999. %



27

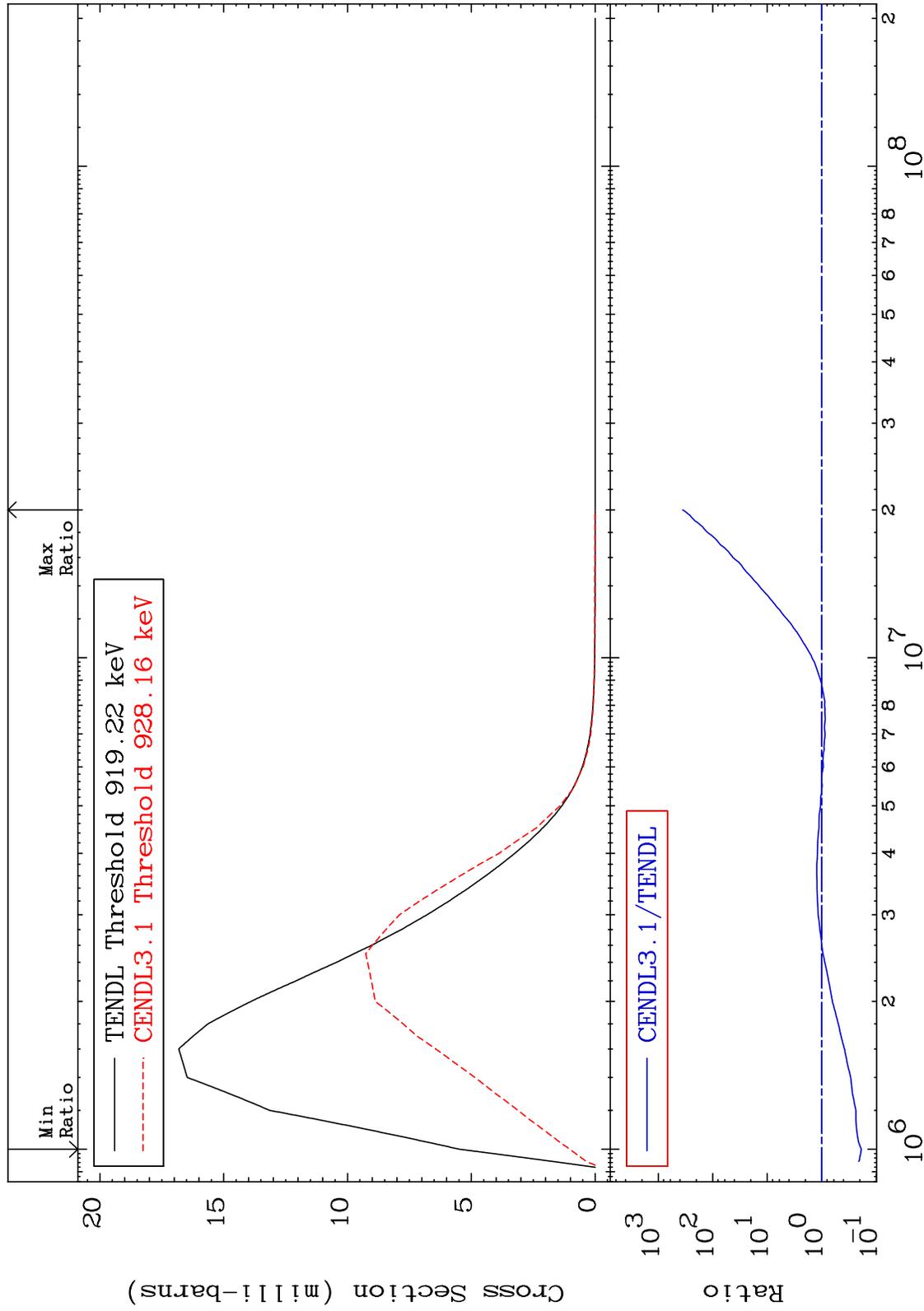
Incident Energy (eV)

32-Ge-73

MAT 3234

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

32-Ge-73  
-81.27 To 9999. %

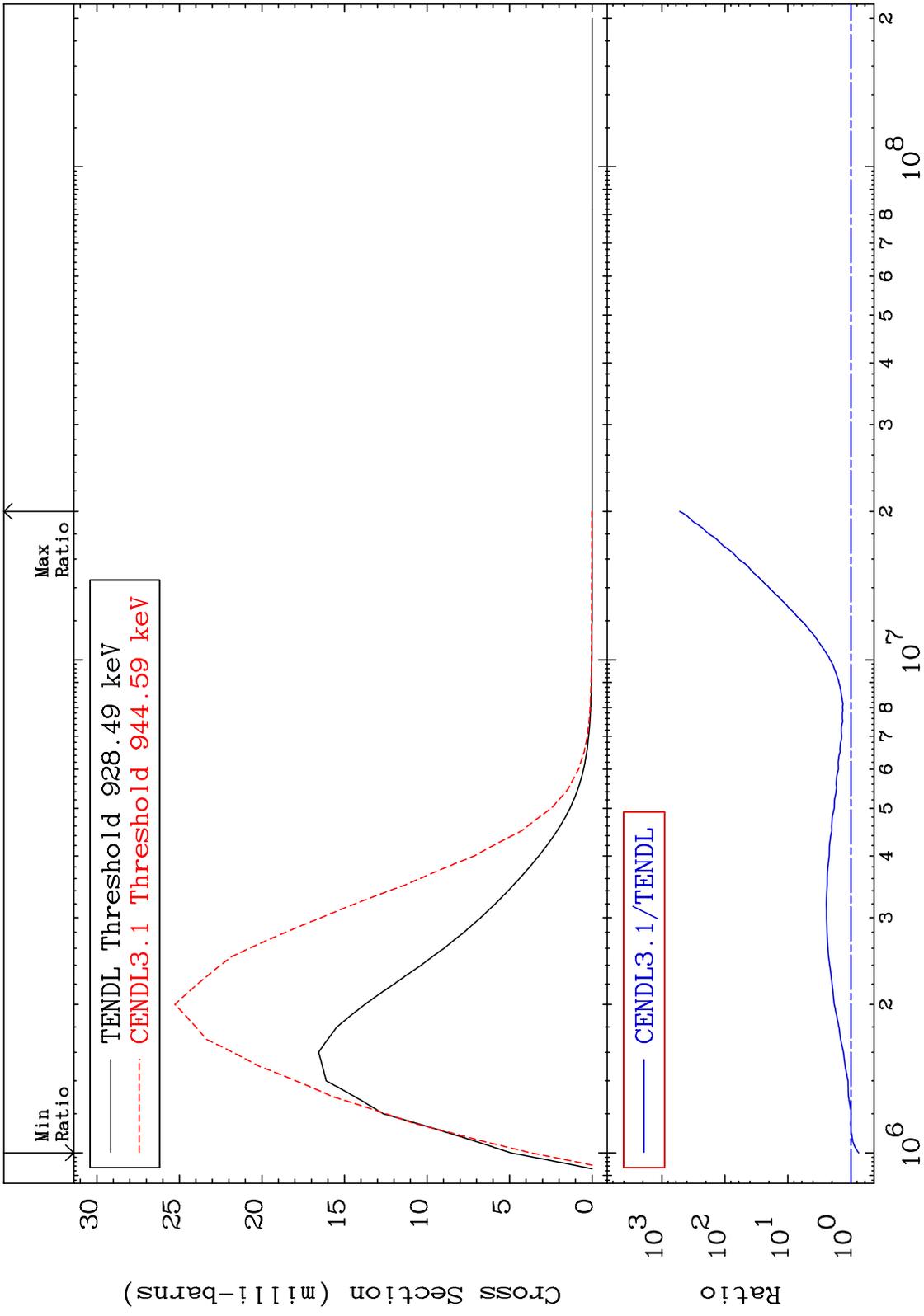


28

Incident Energy (eV)

32-Ge-73

MAT 3234 MT= 72 (n,n') Level Cross Section 32-Ge-73  
 -25.02 To 9999. %



29 Incident Energy (eV) 32-Ge-73

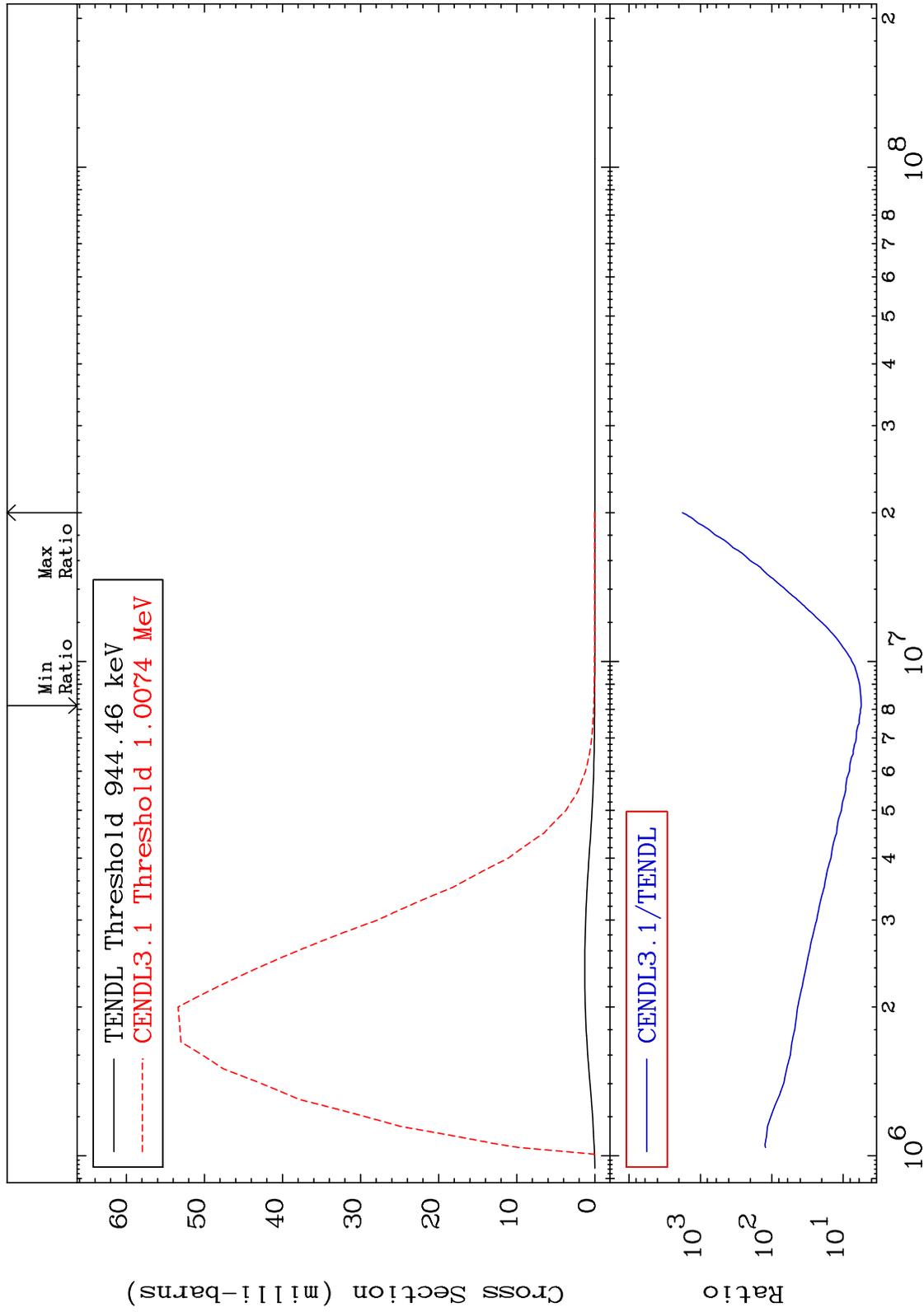
MAT 3234

MT= 73 (n,n') Level

32-Ge-73

457.1 To 9999. %

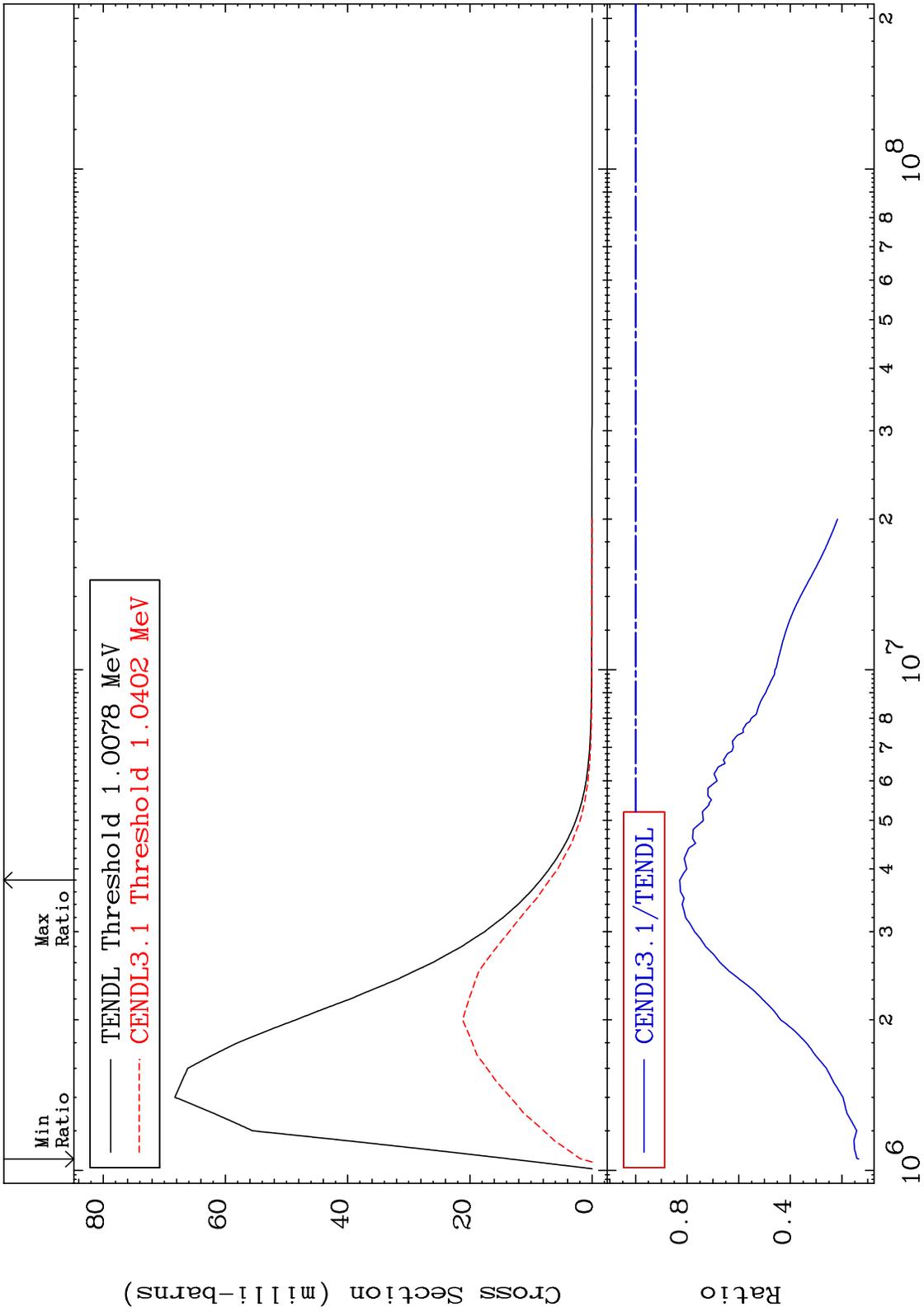
Cross Section



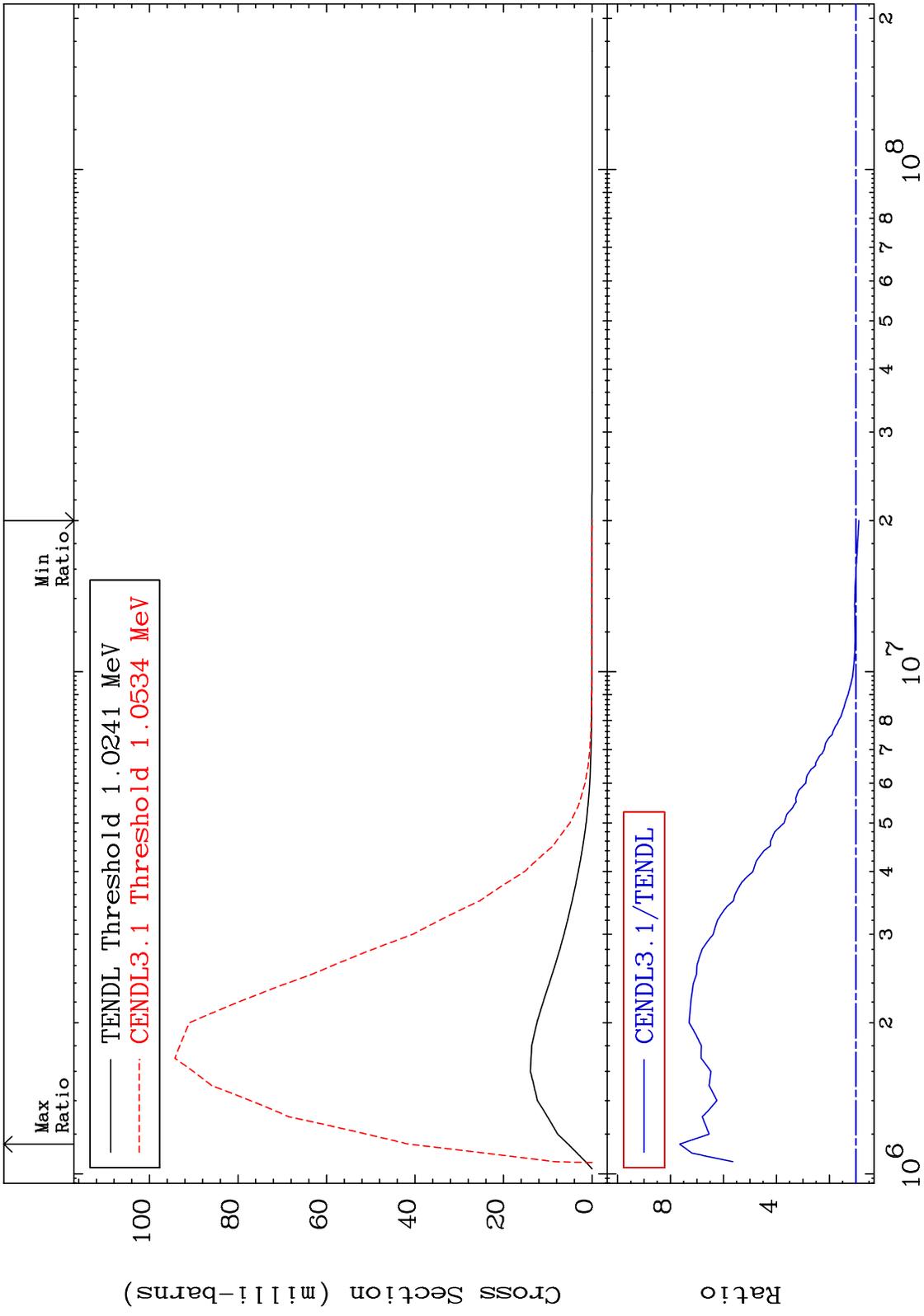
32-Ge-73

32-Ge-73

MAT 3234 MT= 74 (n,n') Level Cross Section 32-Ge-73  
 -86.58 To -17.13%

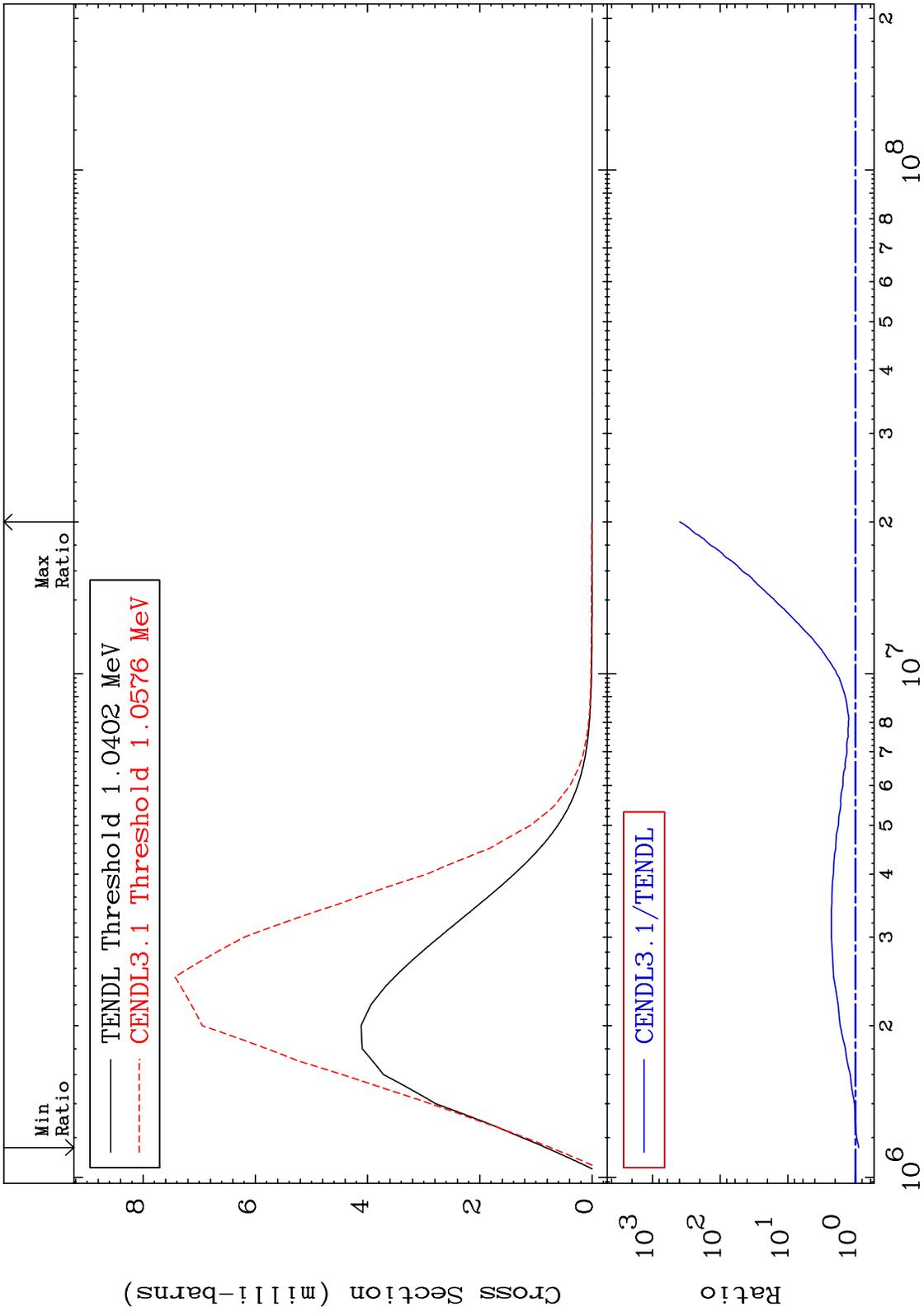


MAT 3234 MT= 75 (n,n') Level Cross Section 32-Ge-73  
 -11.30 To 665.0 %



32 Incident Energy (eV) 32-Ge-73

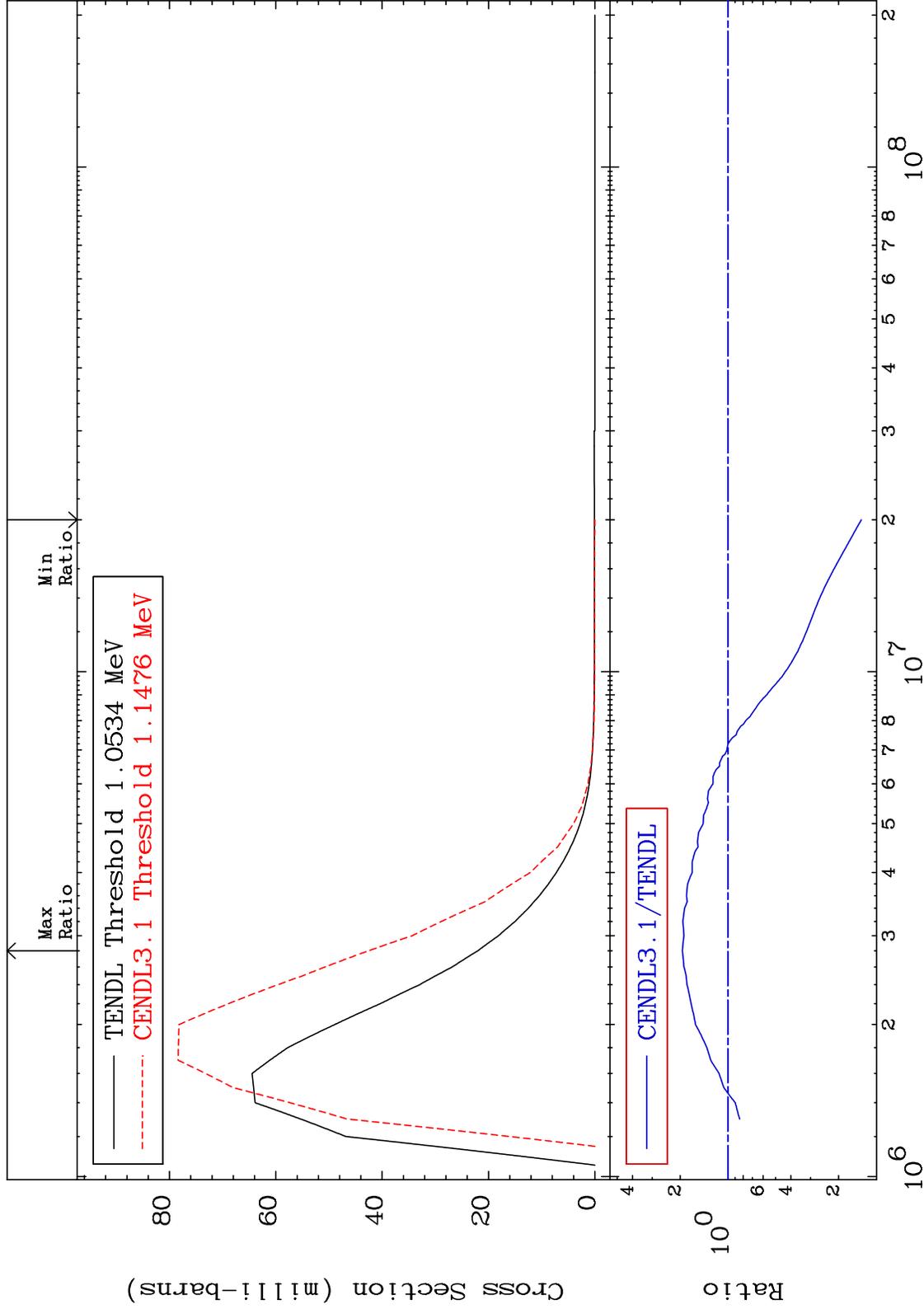
MAT 3234 MT= 76 (n,n') Level Cross Section -10.50 To 9999. % 32-Ge-73



MAT 3234

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

32-Ge-73  
-85.64 To 93.49 %

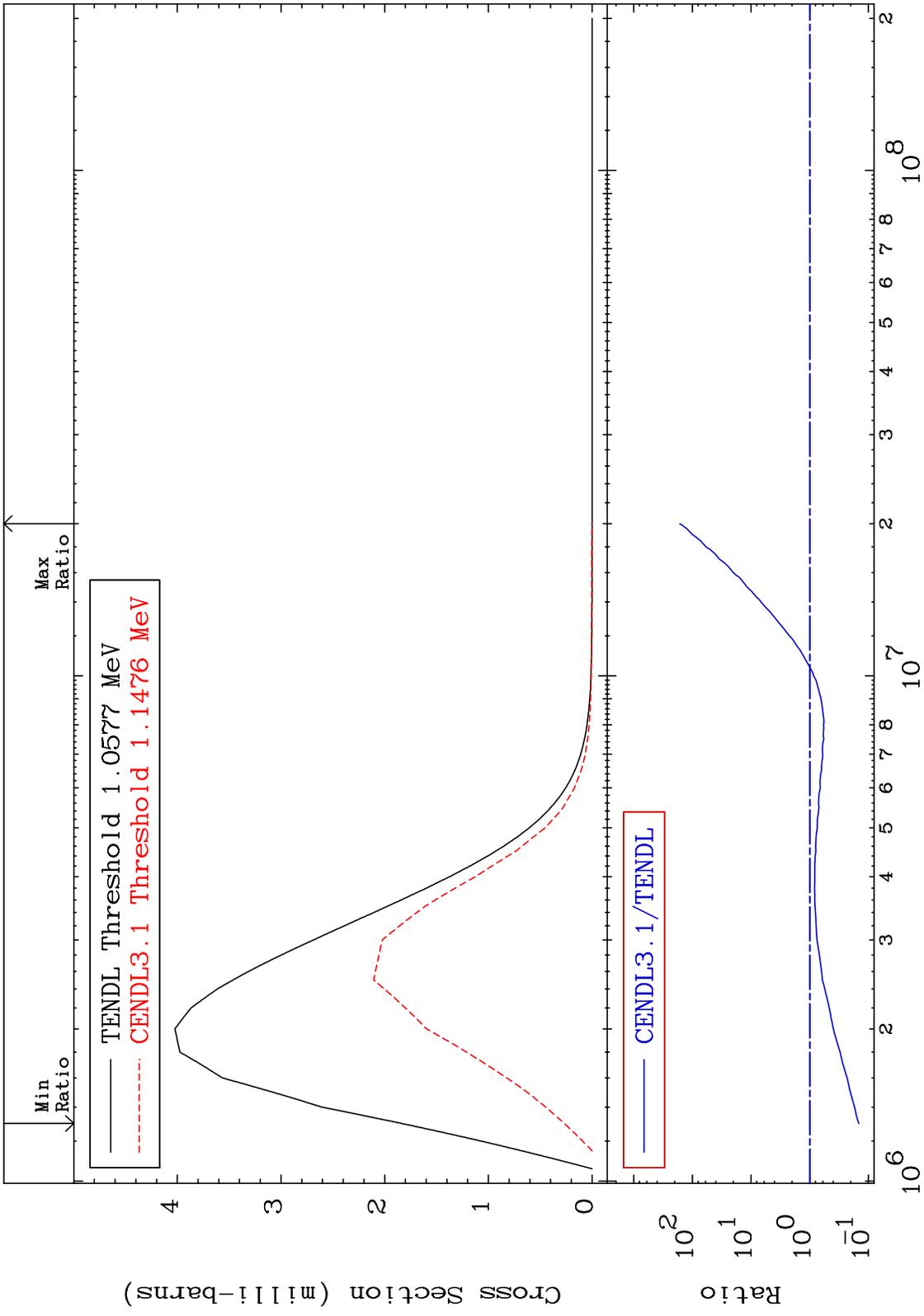


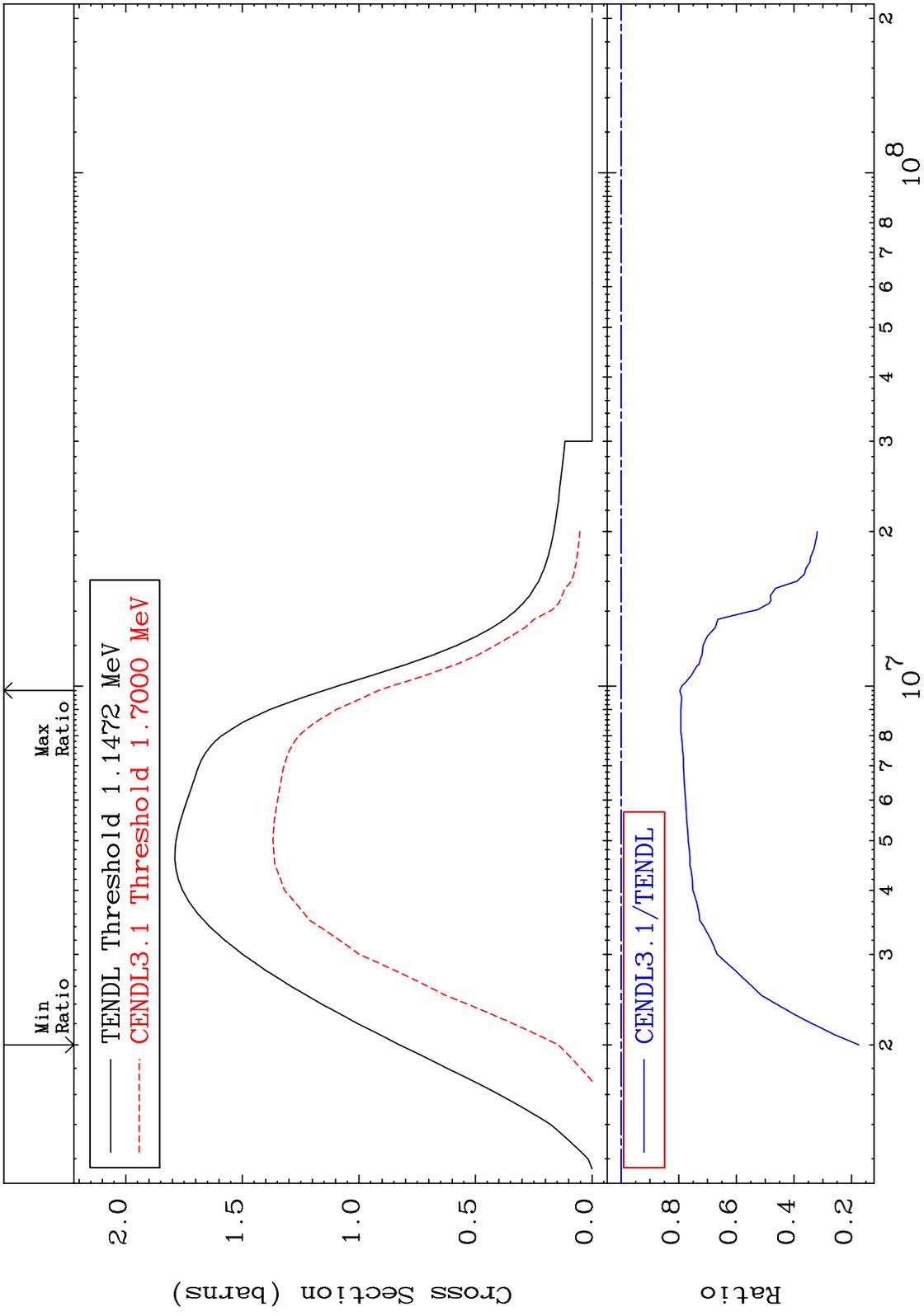
34

Incident Energy (eV)

32-Ge-73

MAT 3234 MT= 78 (n,n') Level Cross Section 32-Ge-73  
 -85.41 To 9999. %





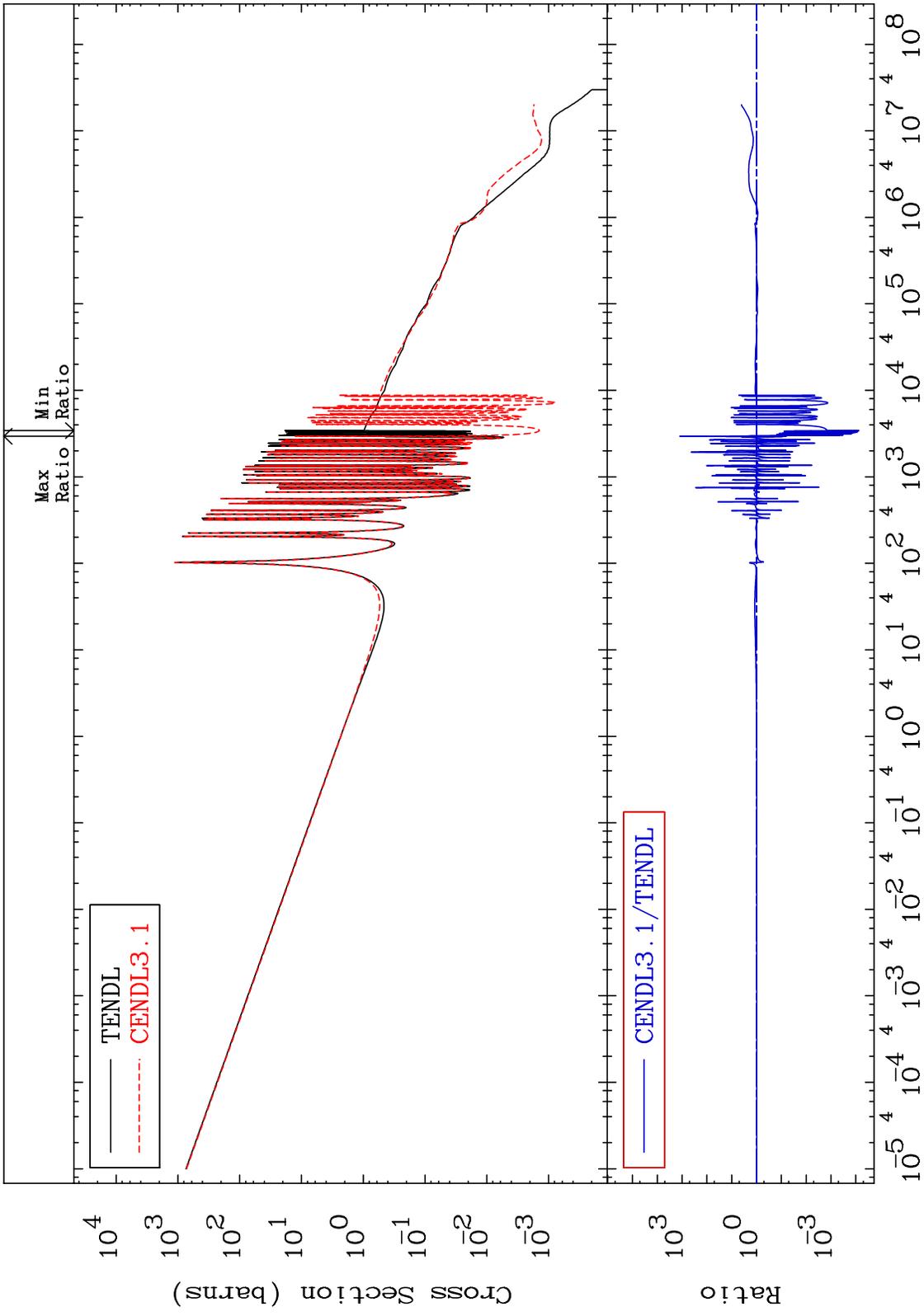
MAT 3234

(n,  $\gamma$ )

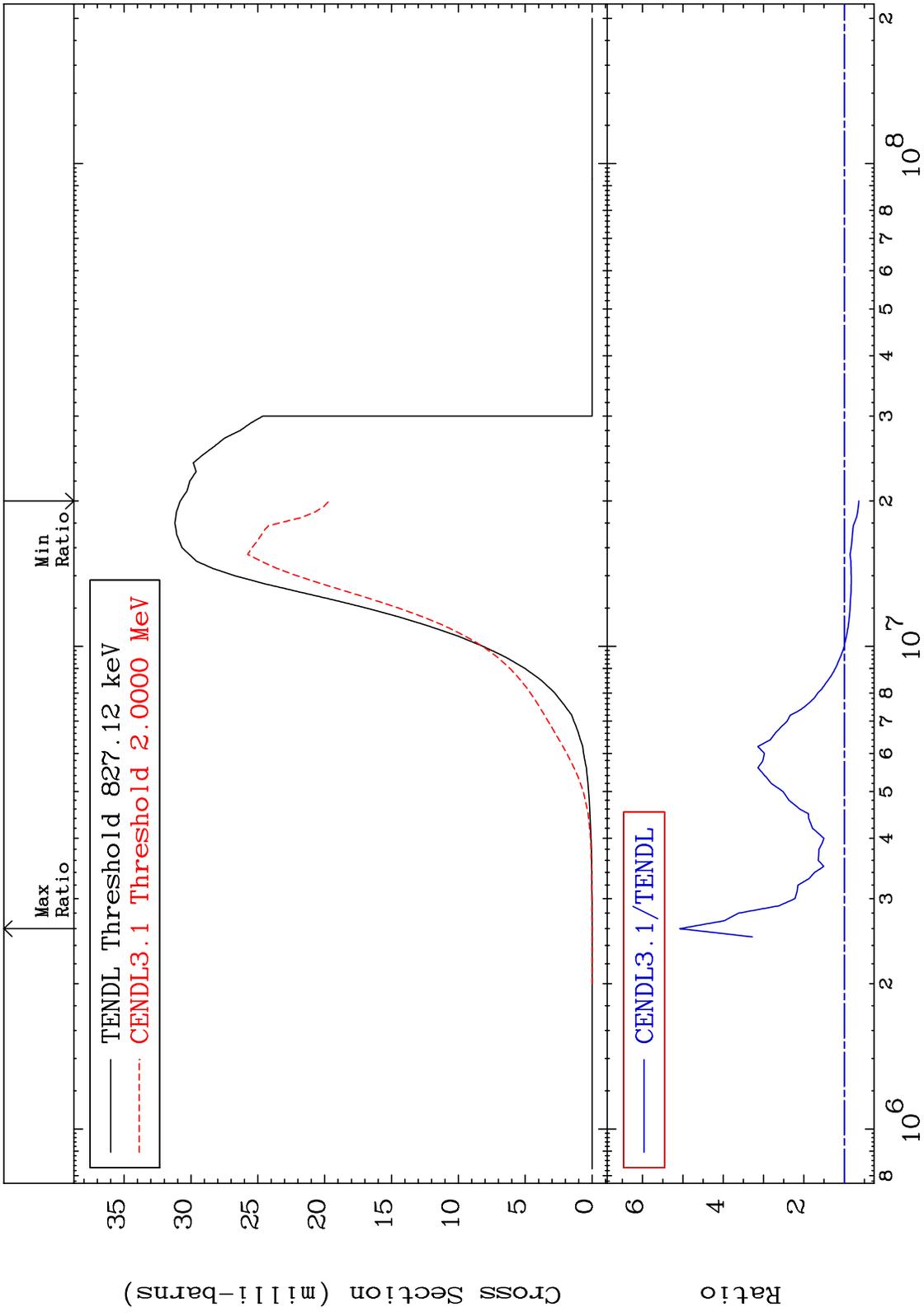
32-Ge-73

Cross Section

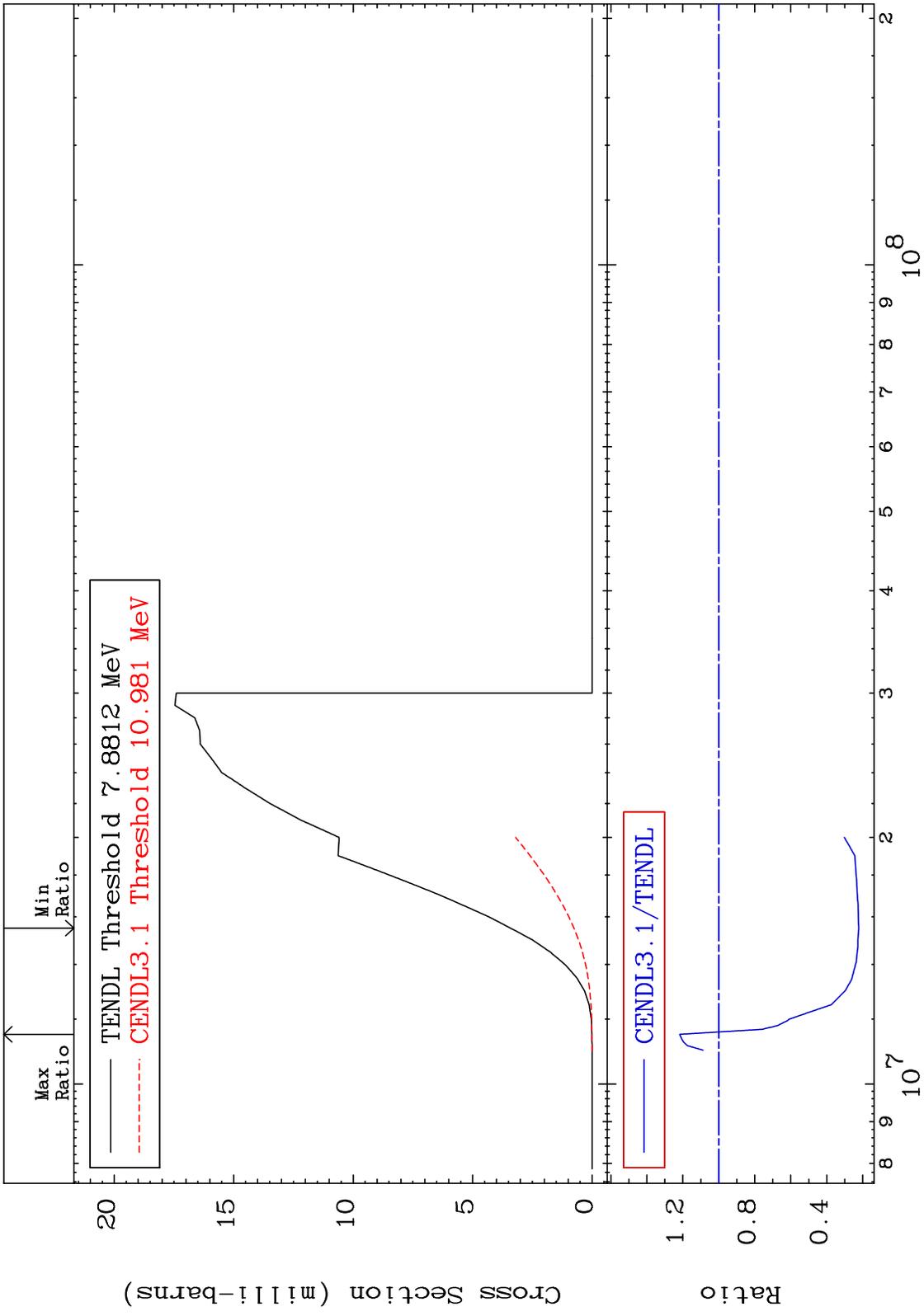
-99.99 To 9999. %



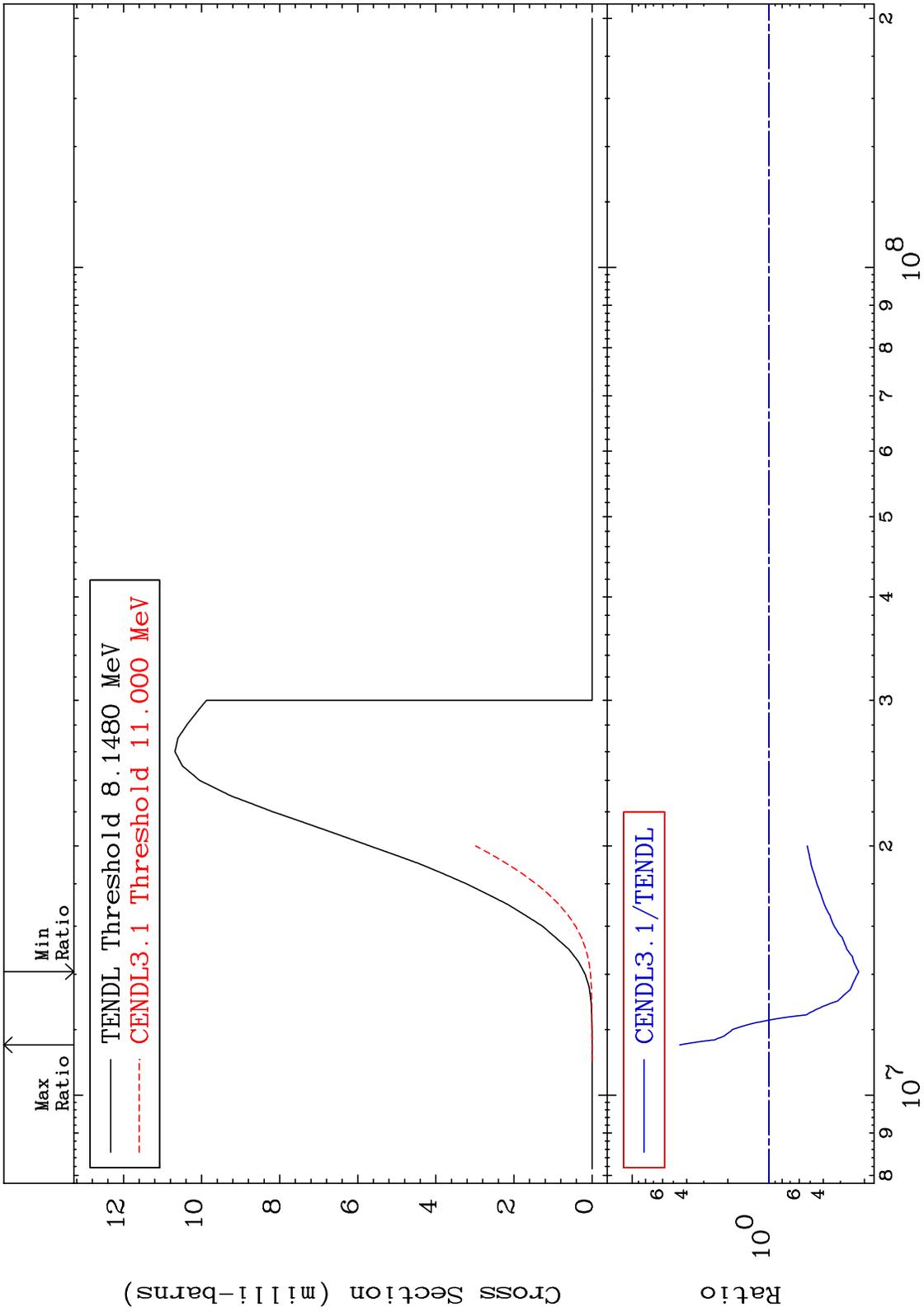
MAT 3234 (n,p) Cross Section 32-Ge-73 -36.15 To 407.8 %



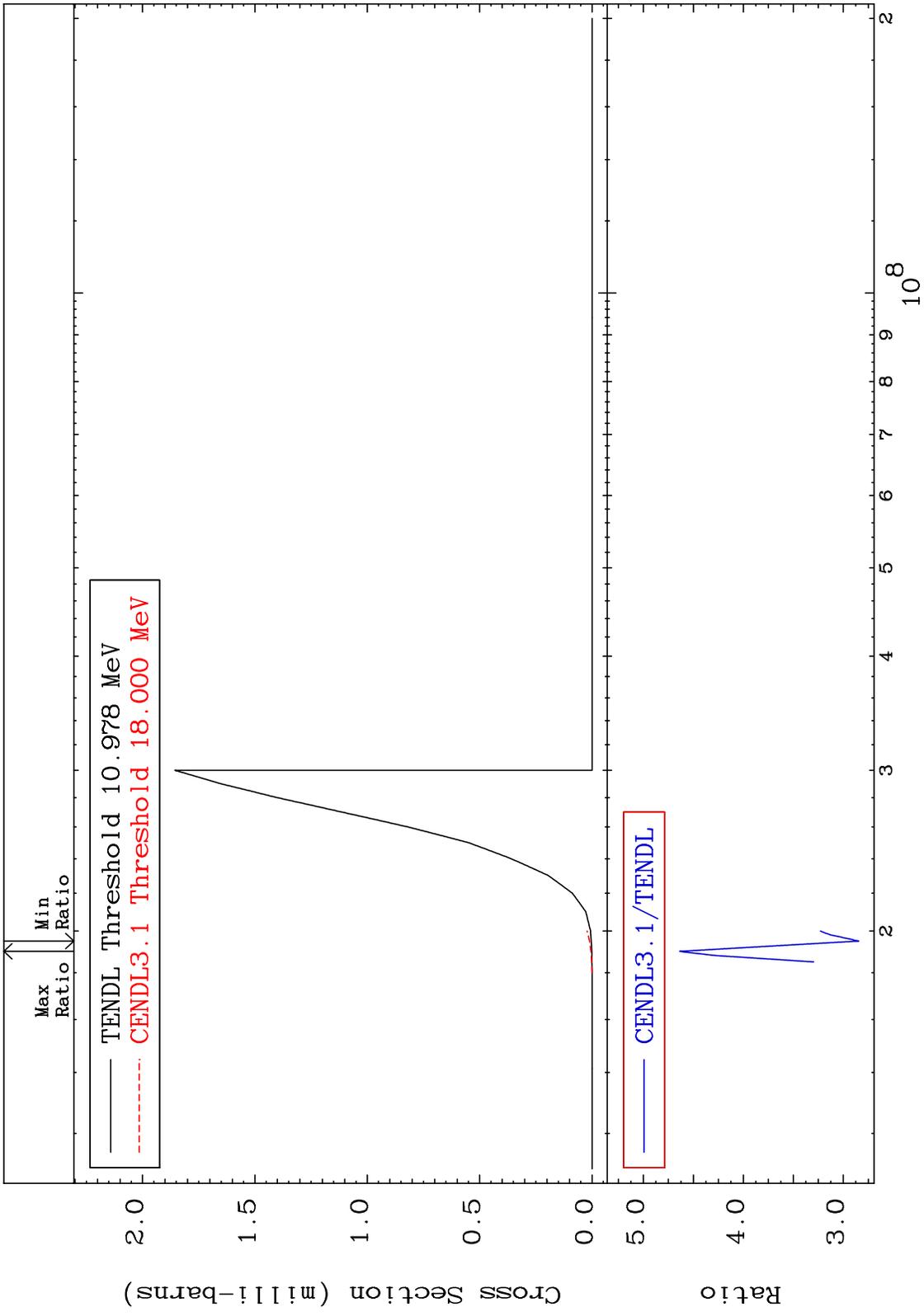
38 32-Ge-73

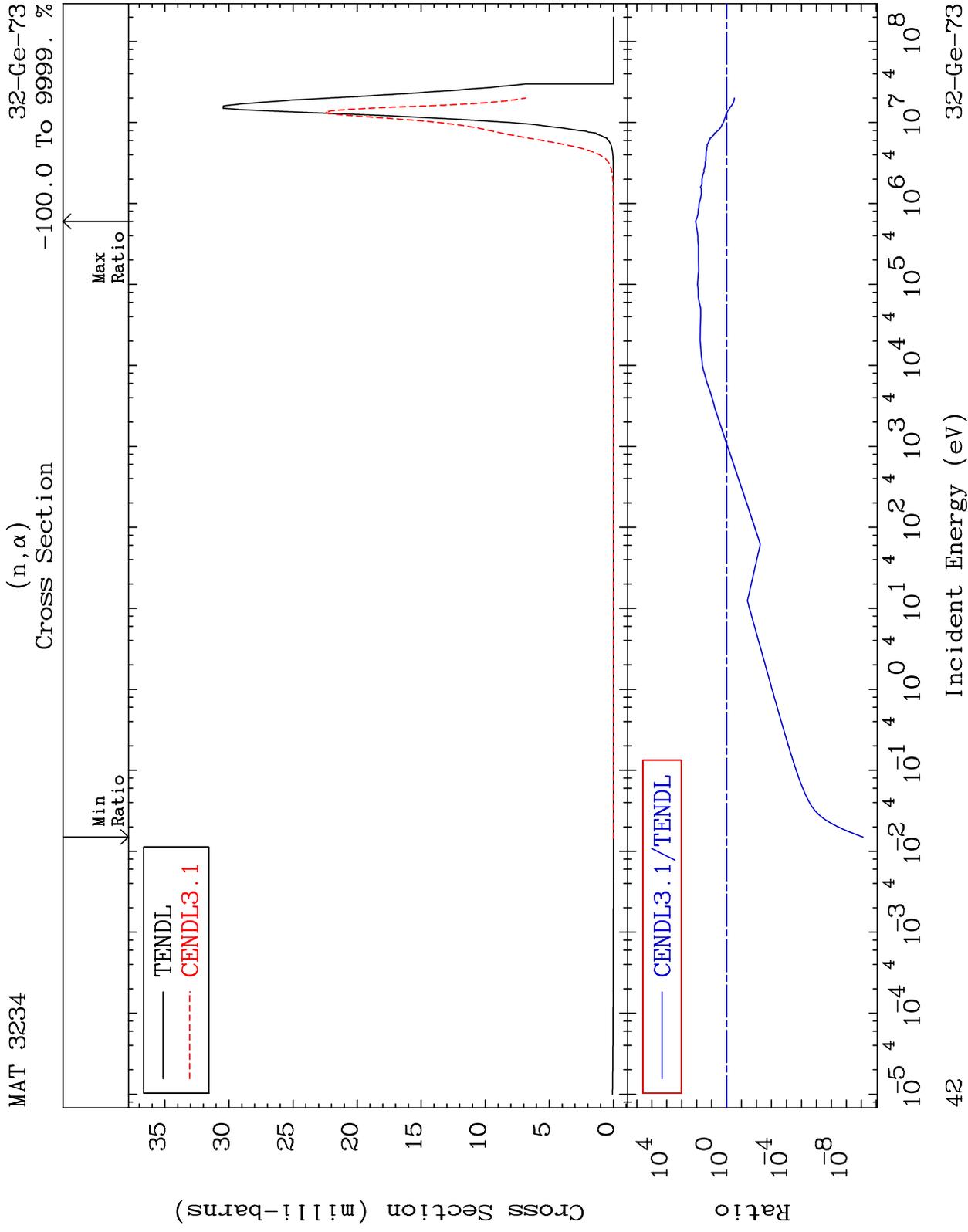


MAT 3234 (n,t) Cross Section 32-Ge-73 -78.00 To 349.4 %

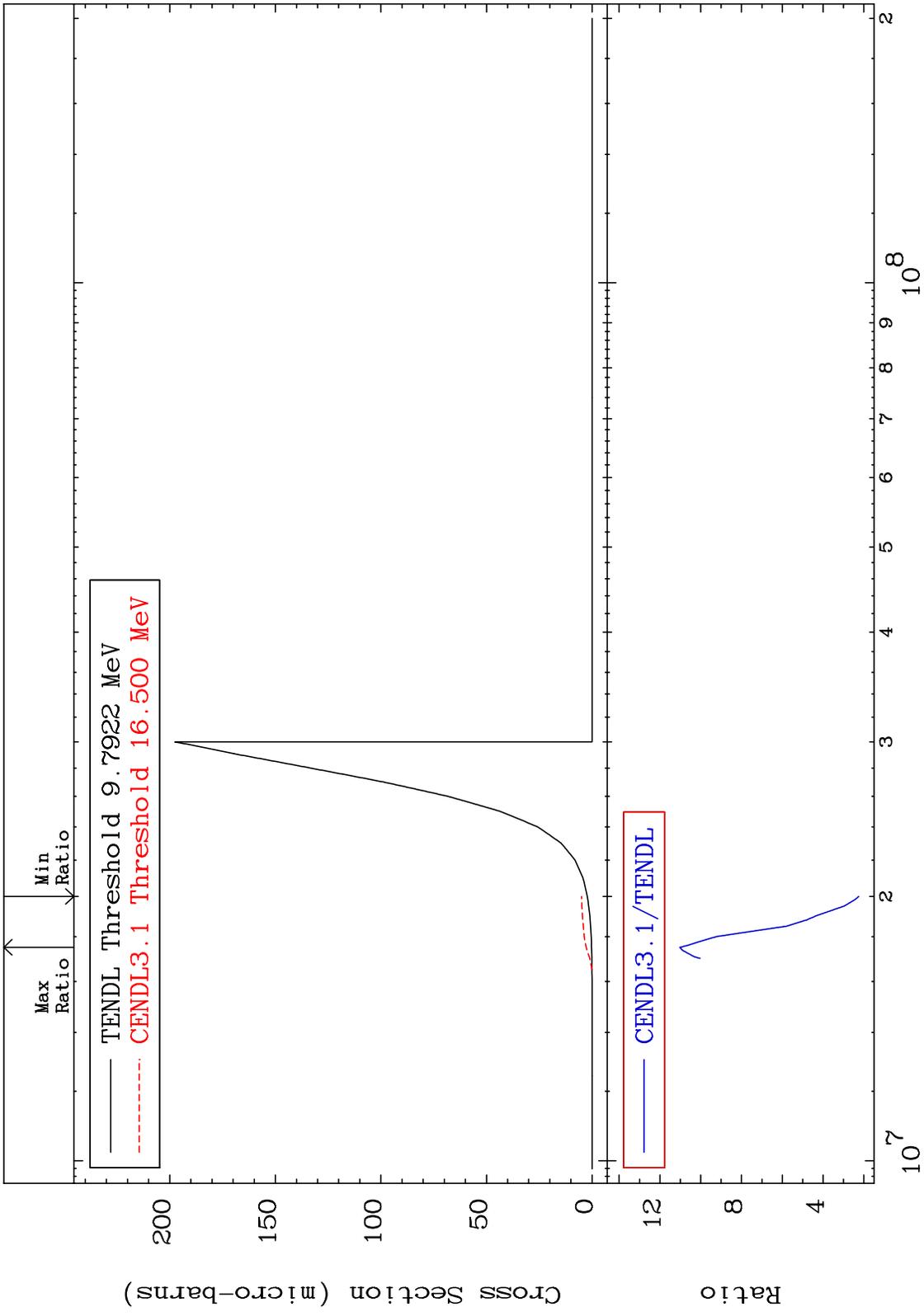


40 32-Ge-73





MAT 3234 (n,2p) Cross Section 32-Ge-73  
 124.9 To 1003. %

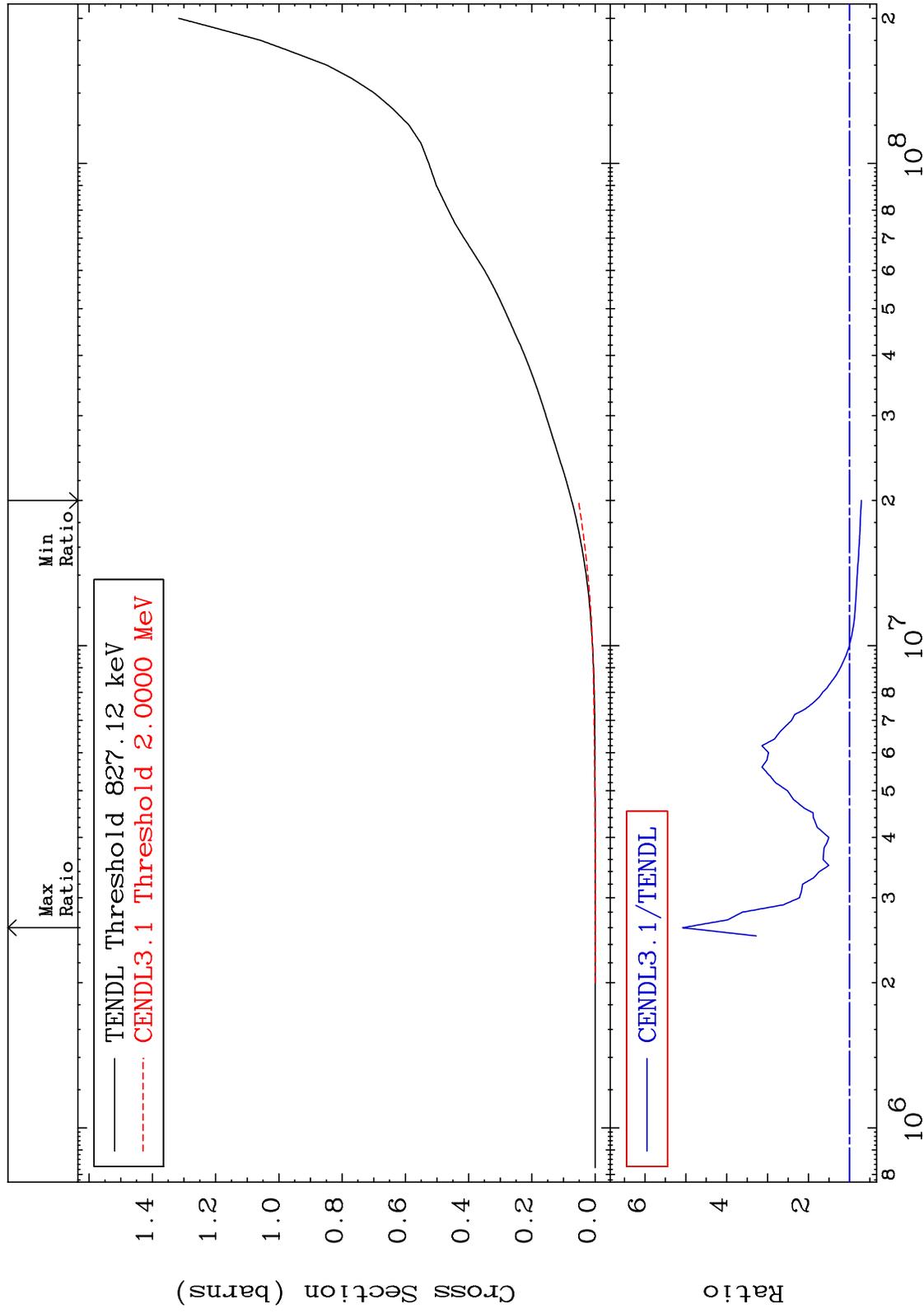


43 32-Ge-73

MAT 3234

Hydrogen Production  
Cross Section

32-Ge-73  
-29.17 To 407.8 %



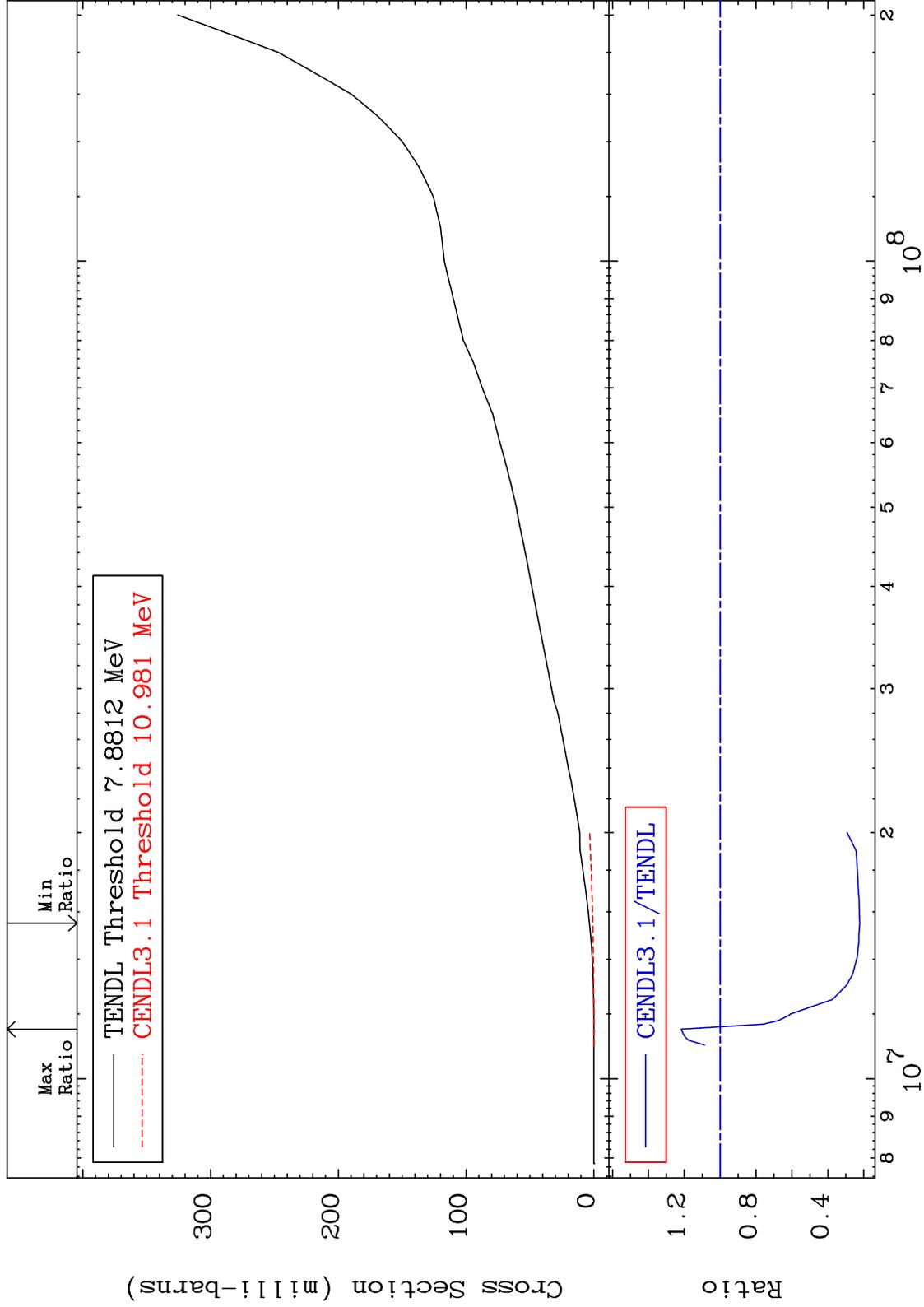
44

32-Ge-73

MAT 3234

### Deuterium Production Cross Section

32-Ge-73  
-77.82 To 21.71 %



45

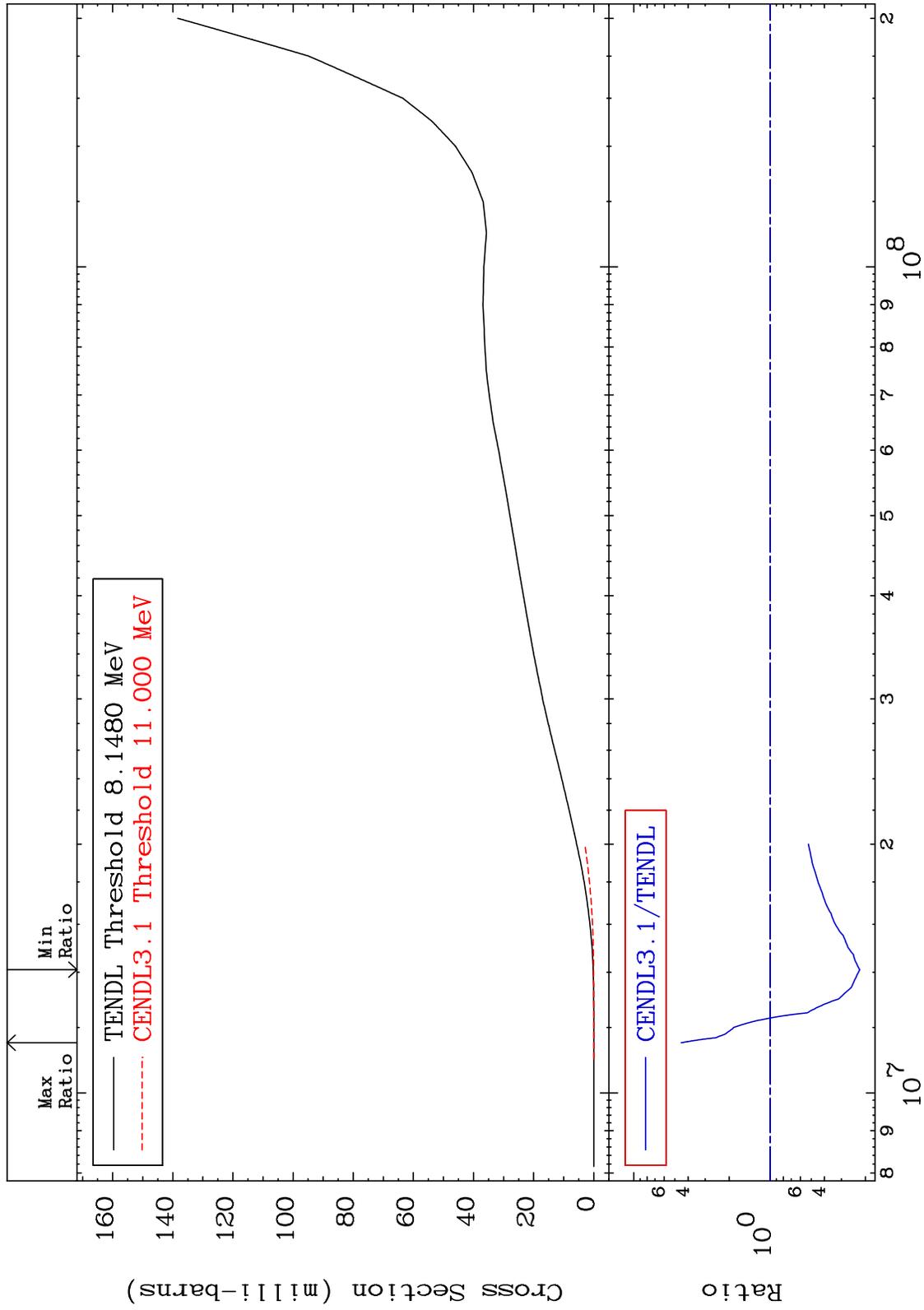
Incident Energy (eV)

32-Ge-73

MAT 3234

Tritium Production  
Cross Section

32-Ge-73  
-78.00 To 349.4 %



46

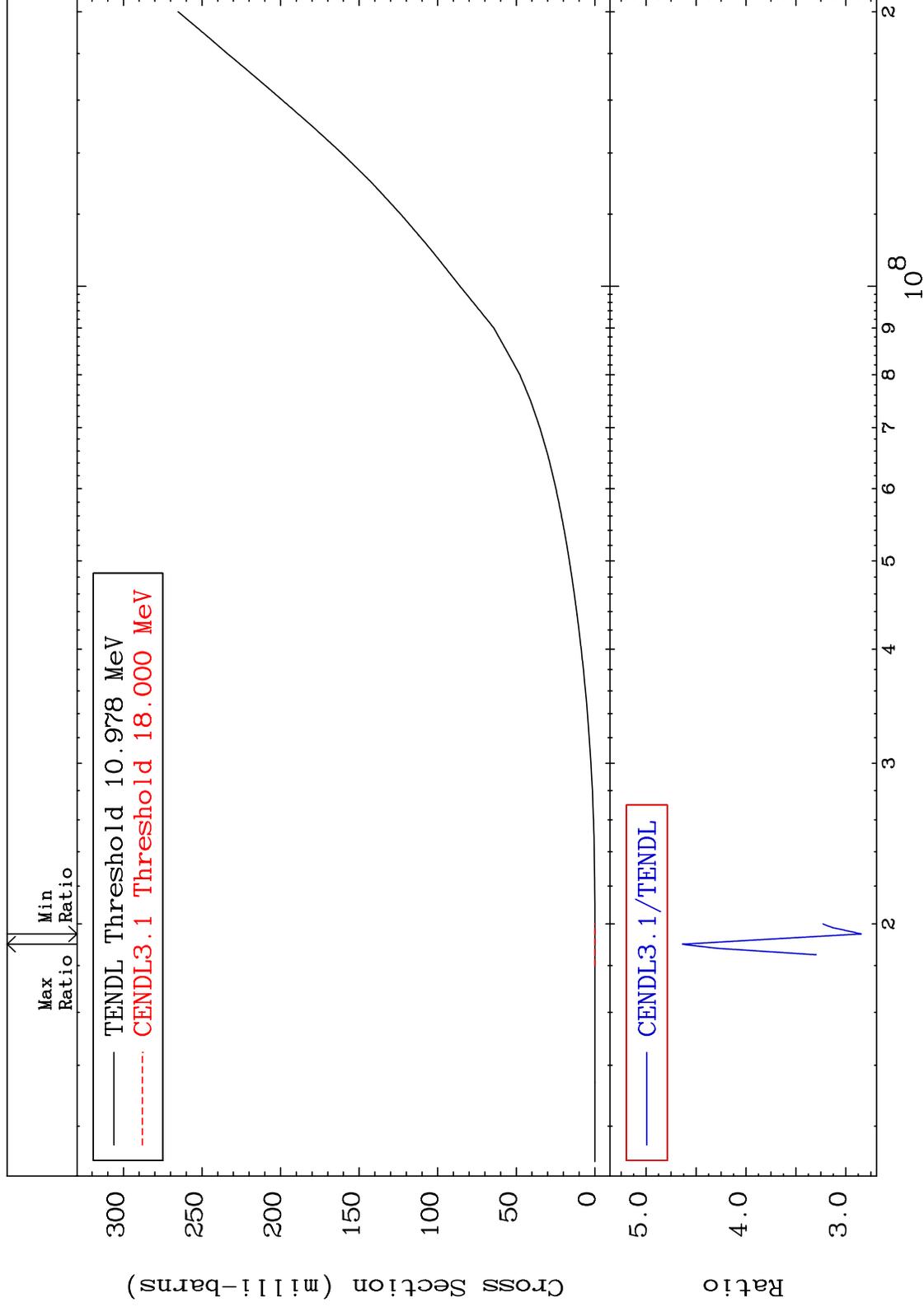
Incident Energy (eV)

32-Ge-73

MAT 3234

He-3 Production  
Cross Section

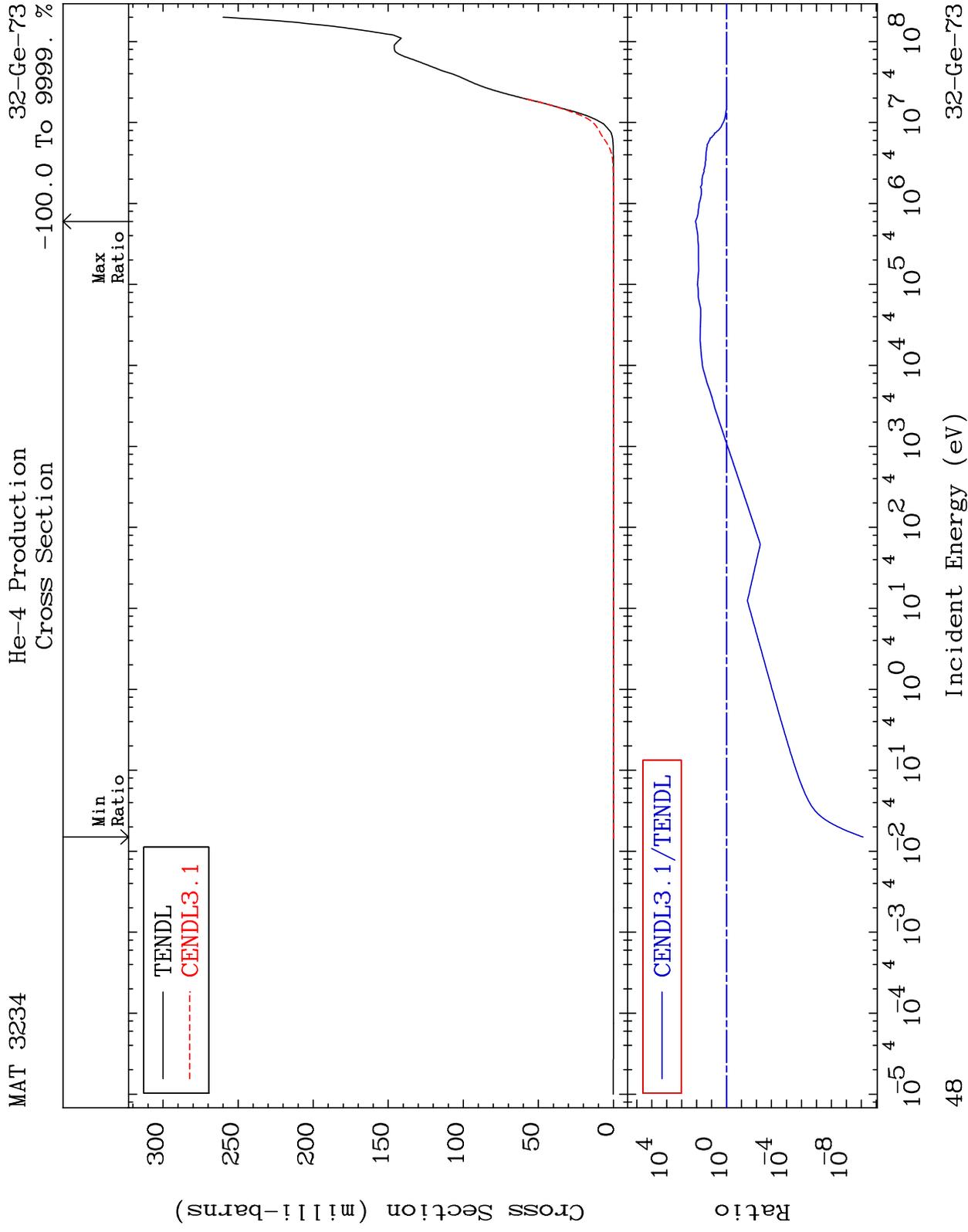
32-Ge-73  
184.5 To 363.6 %



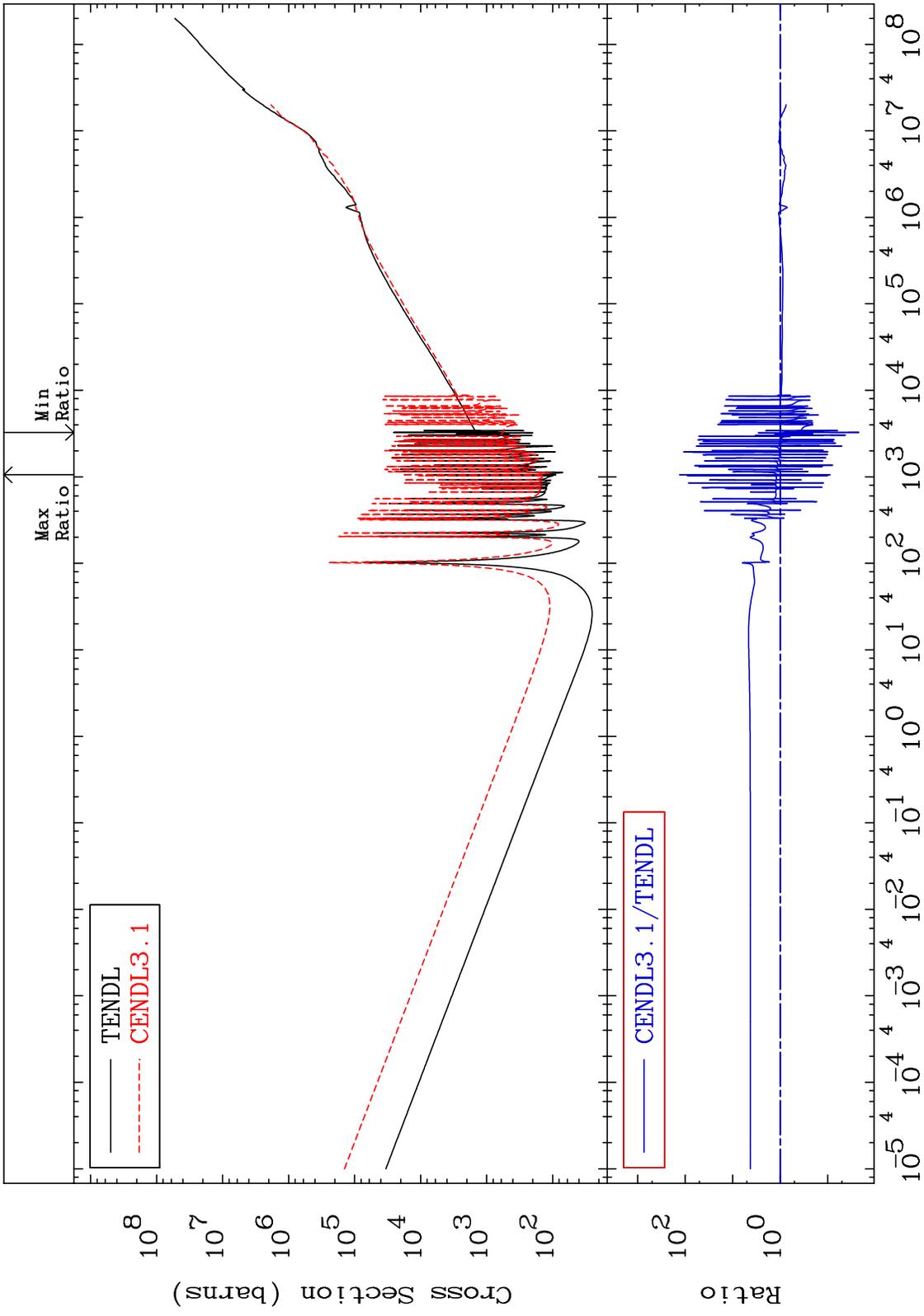
47

Incident Energy (eV)

32-Ge-73



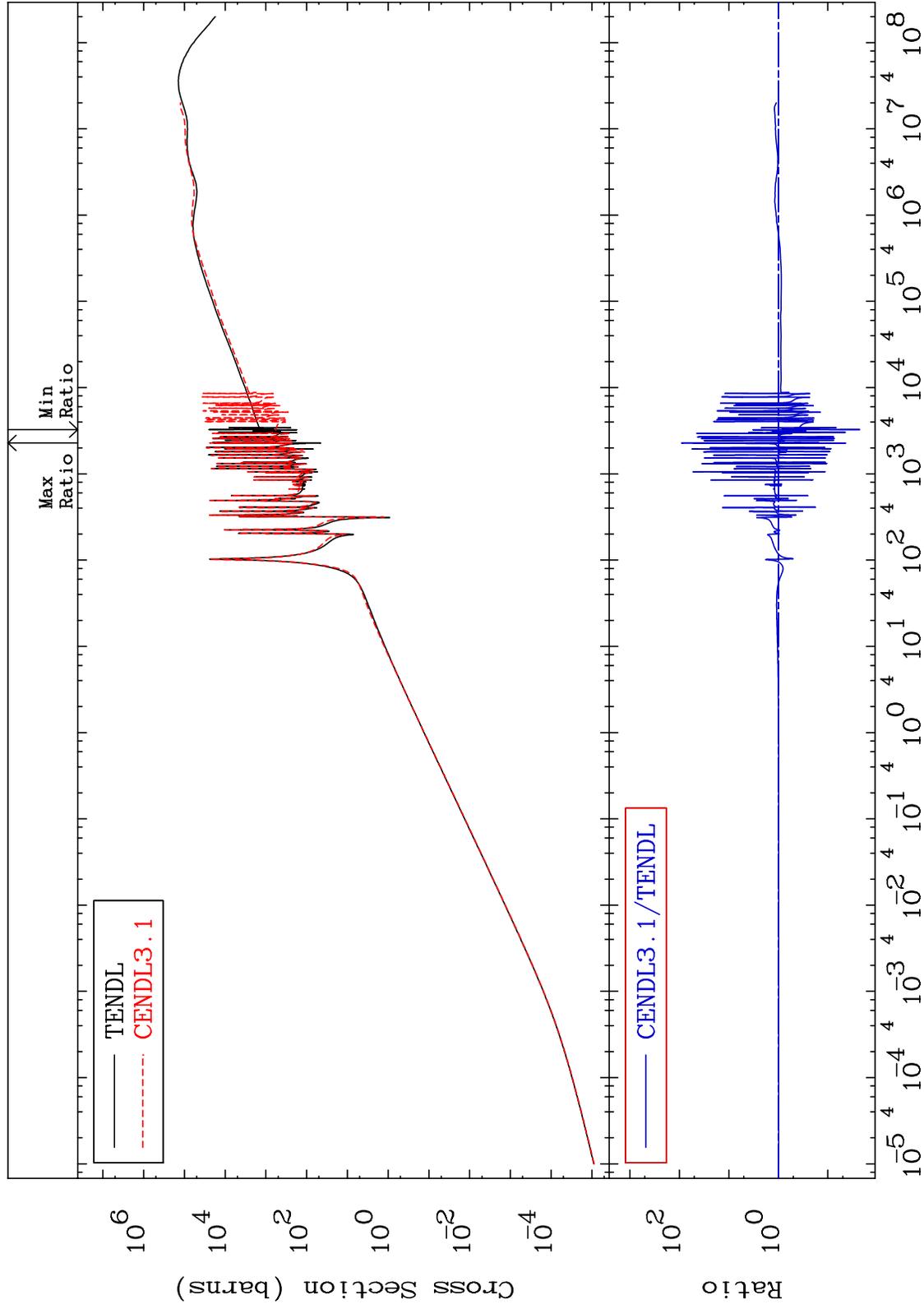
MAT 3234 Kerma total (eV-barns) 32-Ge-73  
 Cross Section -97.80 To 9999. %



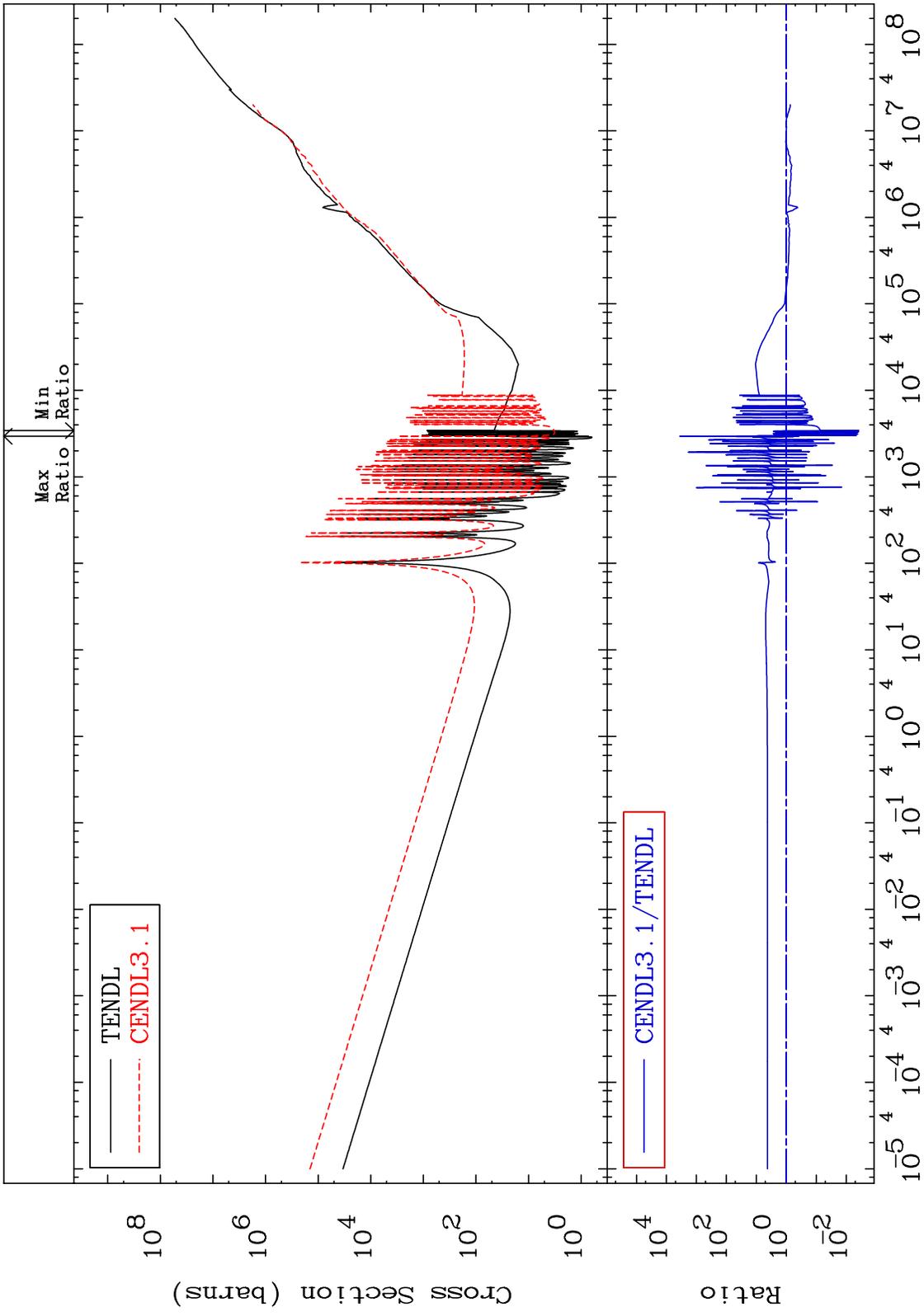
MAT 3234

Kerma elastic  
Cross Section

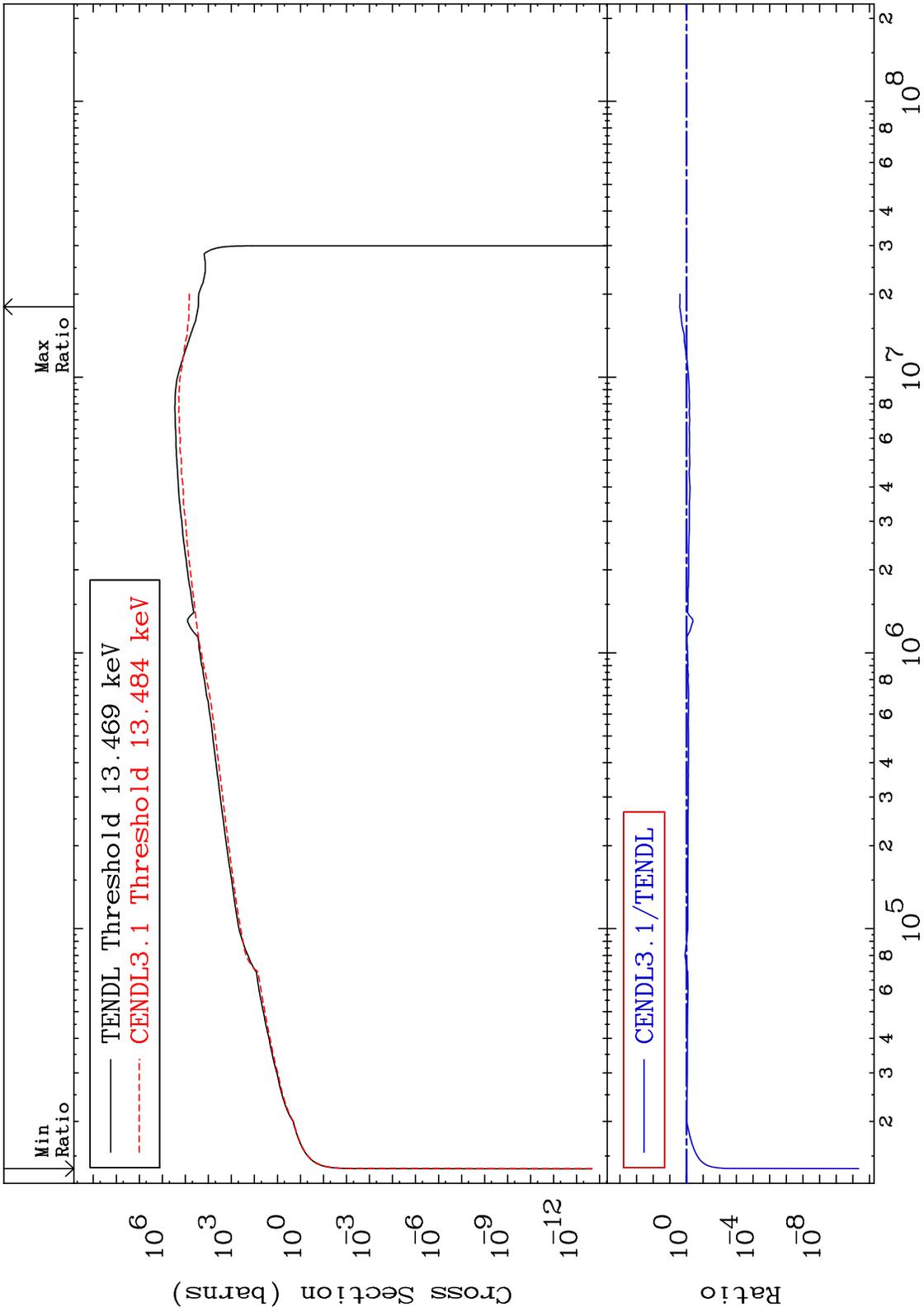
32-Ge-73  
-97.74 To 8989. %



MAT 3234 Kerma non-elastic (all but mt2) 32-Ge-73  
 Cross Section -99.62 To 9999. %



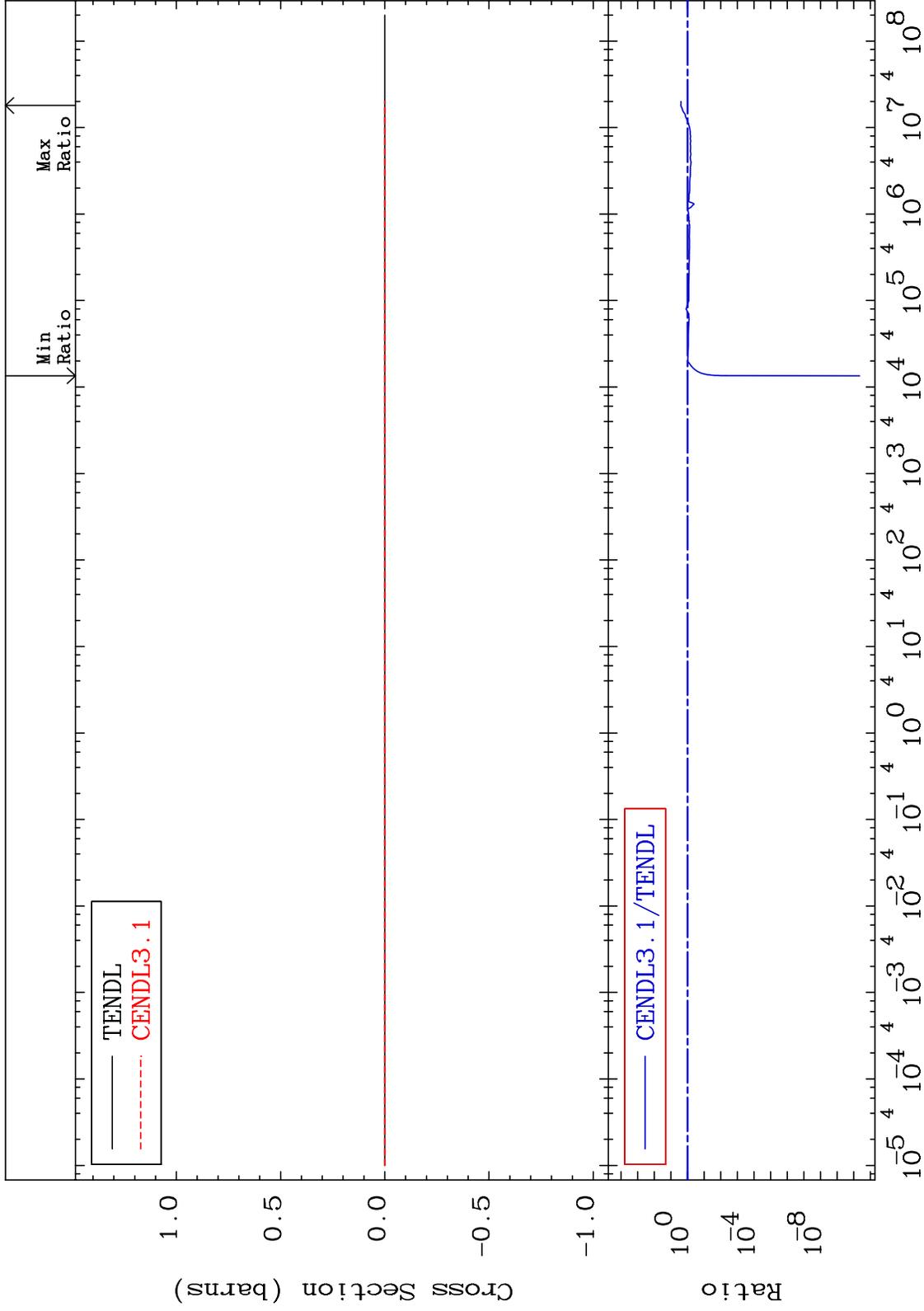
MAT 3234 Kerma inelastic (mt51-91) 32-Ge-73  
 Cross Section -100.0 To 155.7 %



MAT 3234

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

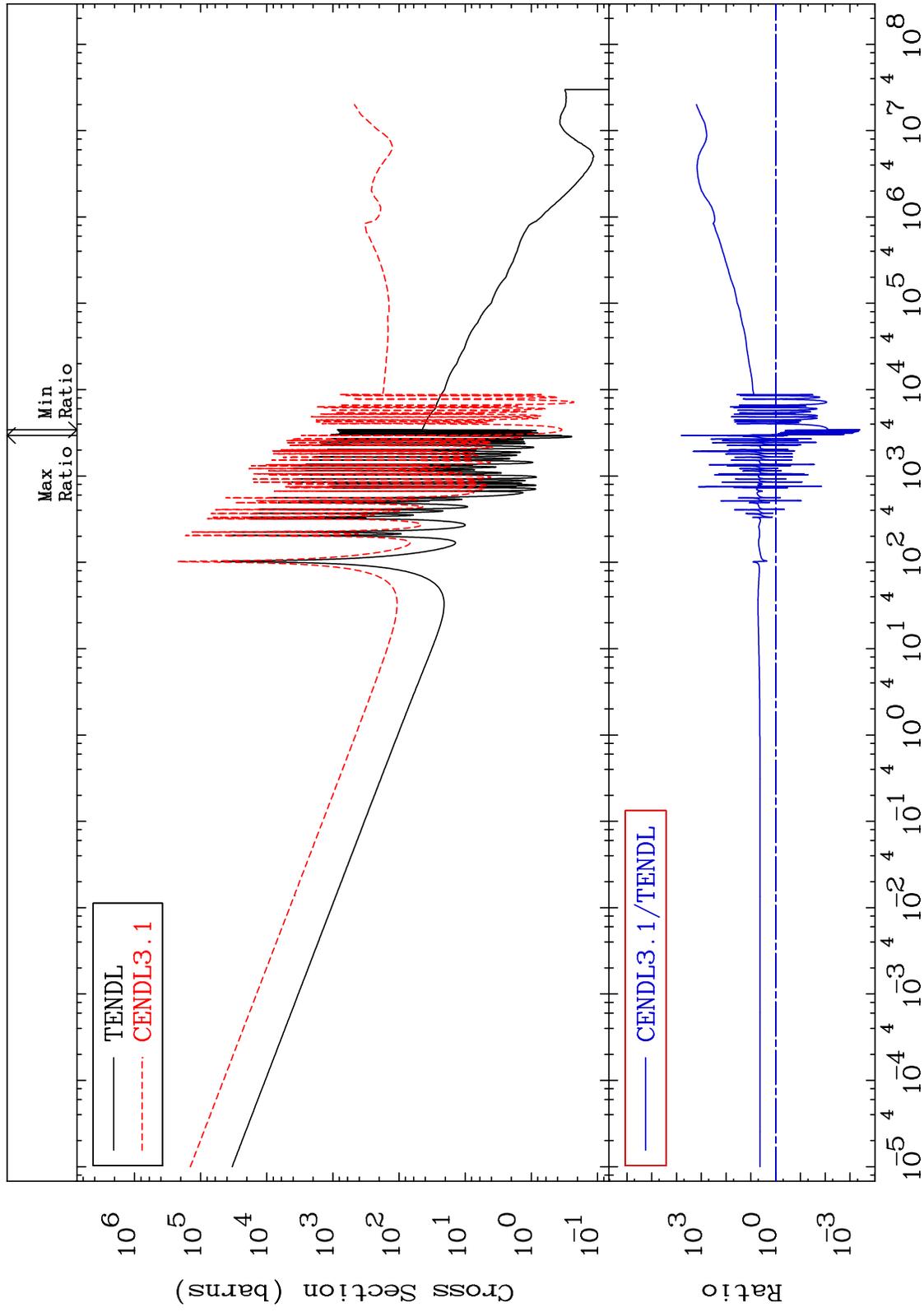
32-Ge-73  
-100.0 To 155.7 %



MAT 3234

Kerma capture (mt102)  
Cross Section

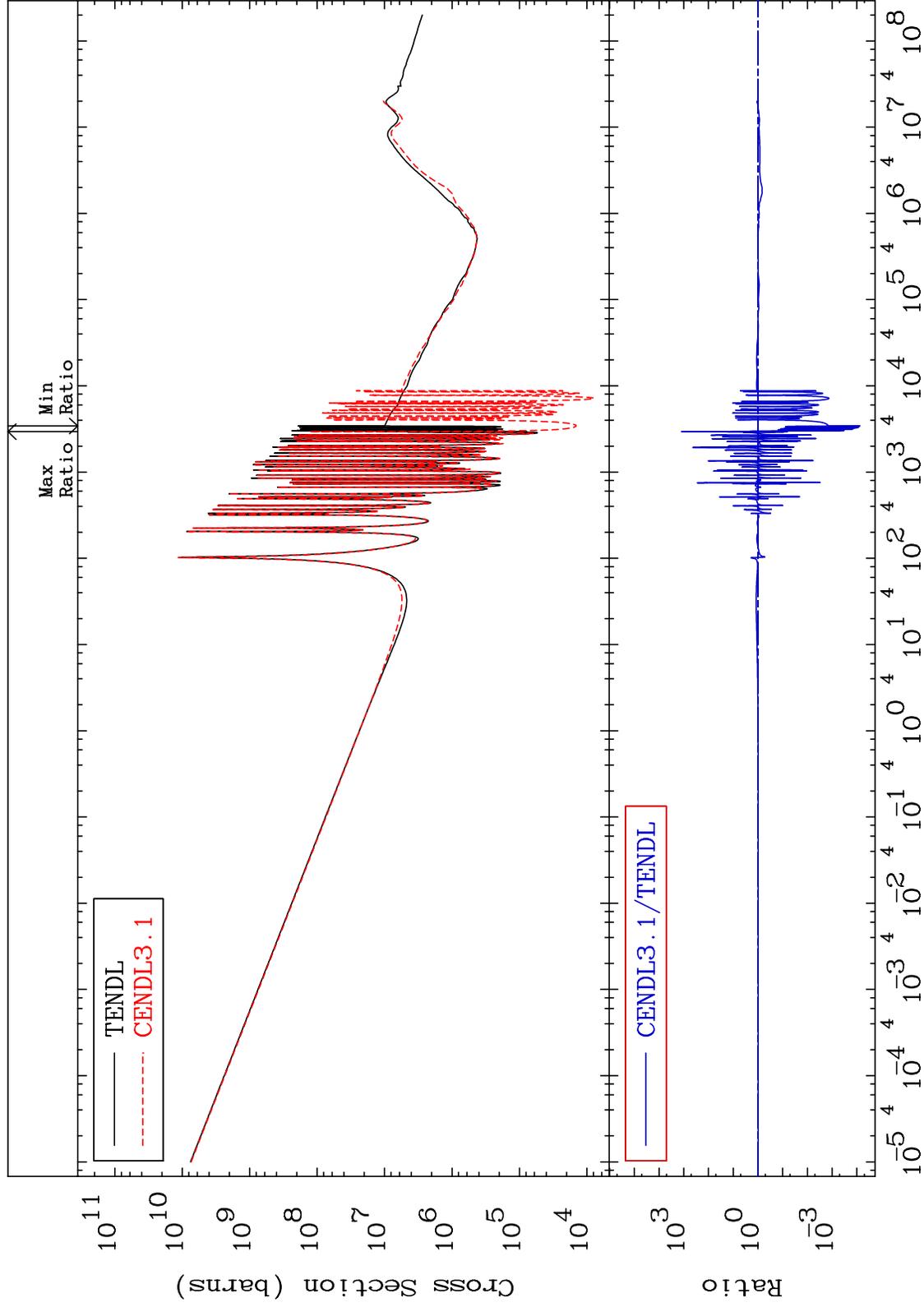
32-Ge-73  
-99.96 To 9999. %



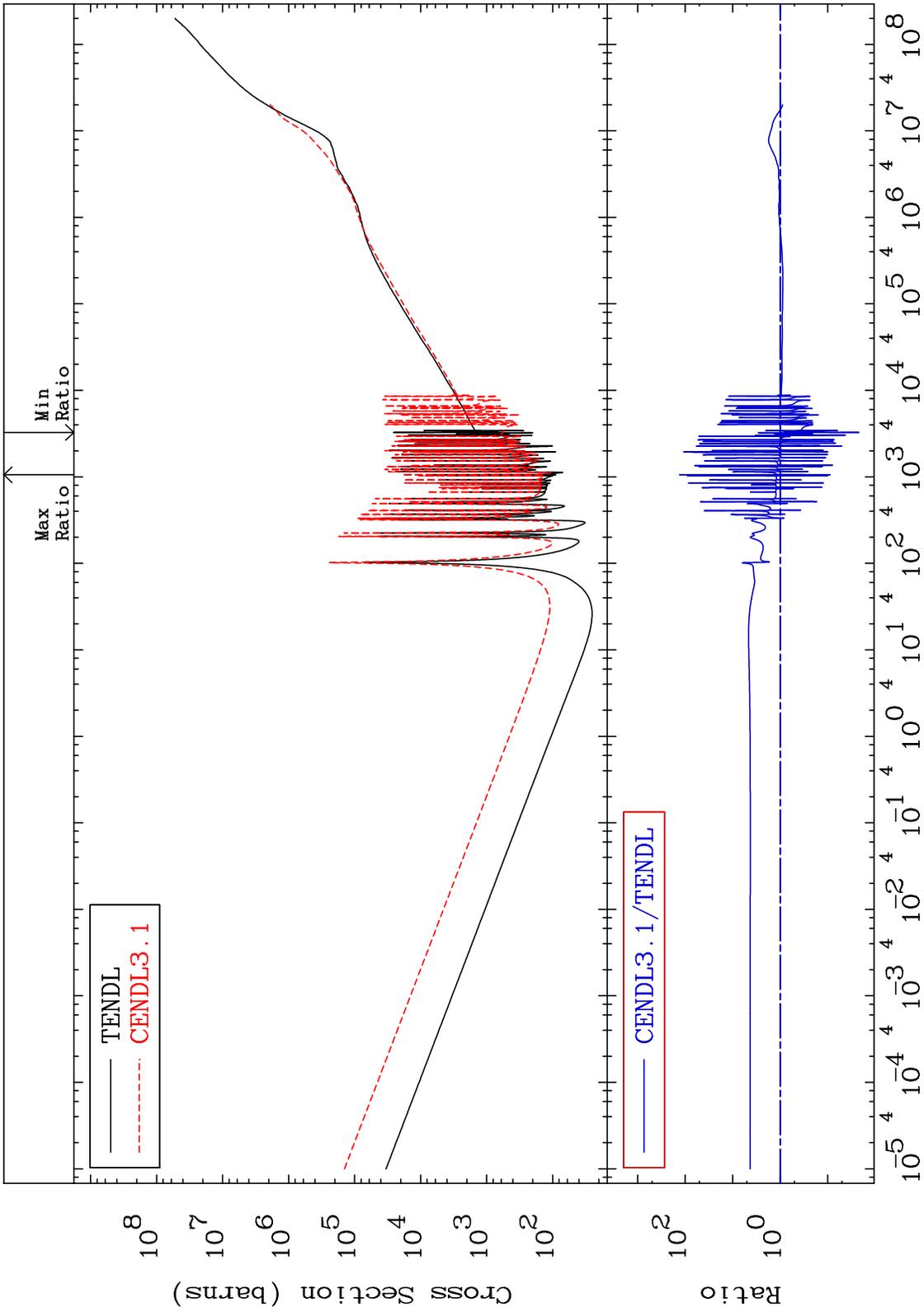
MAT 3234

Total photon (eV-barns)  
Cross Section

32-Ge-73  
-99.99 To 9999. %



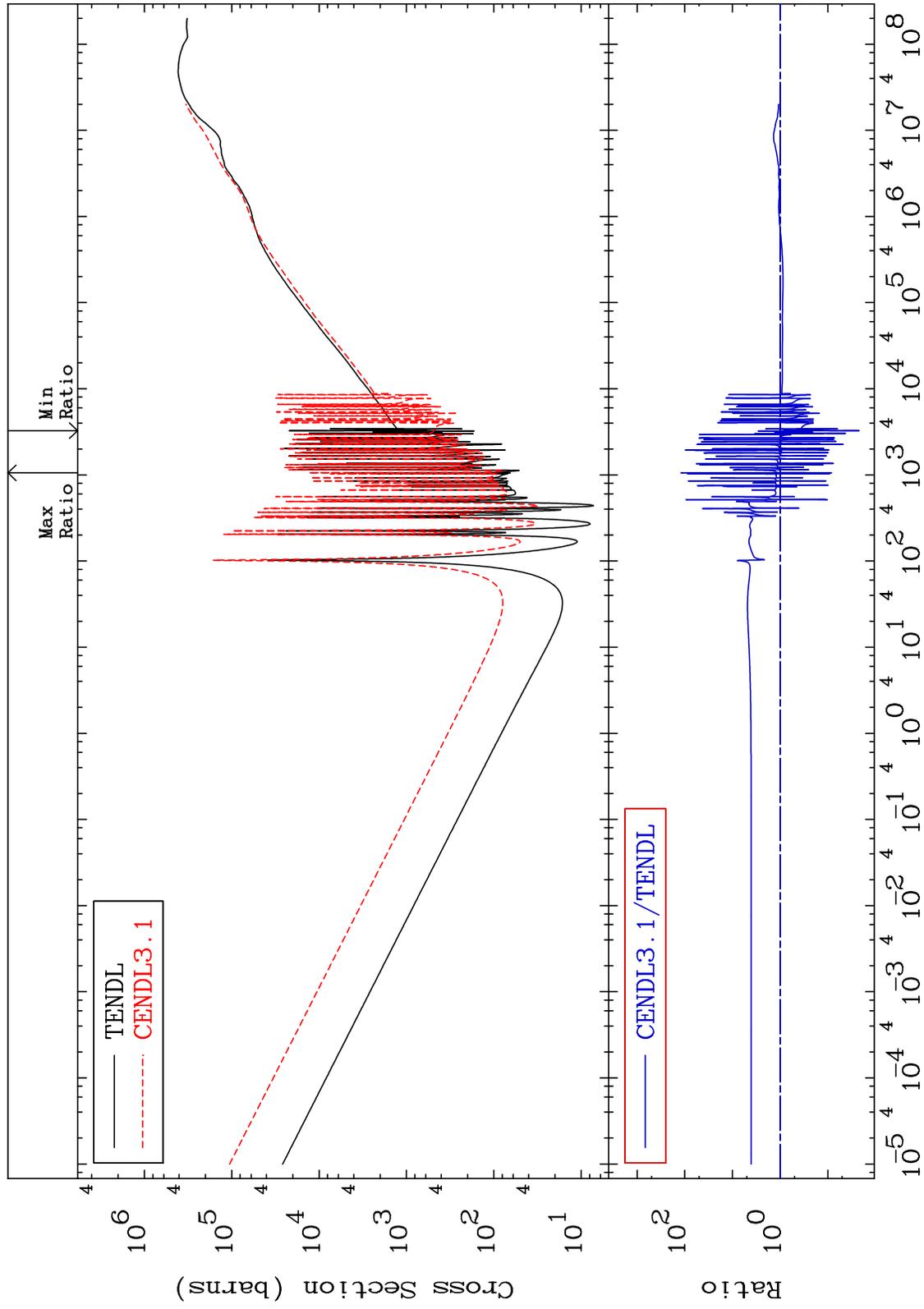
MAT 3234 Total kinematic kerma (high limit) 32-Ge-73  
 Cross Section -97.80 To 9999. %



MAT 3234

Dpa total (eV-barns)  
Cross Section

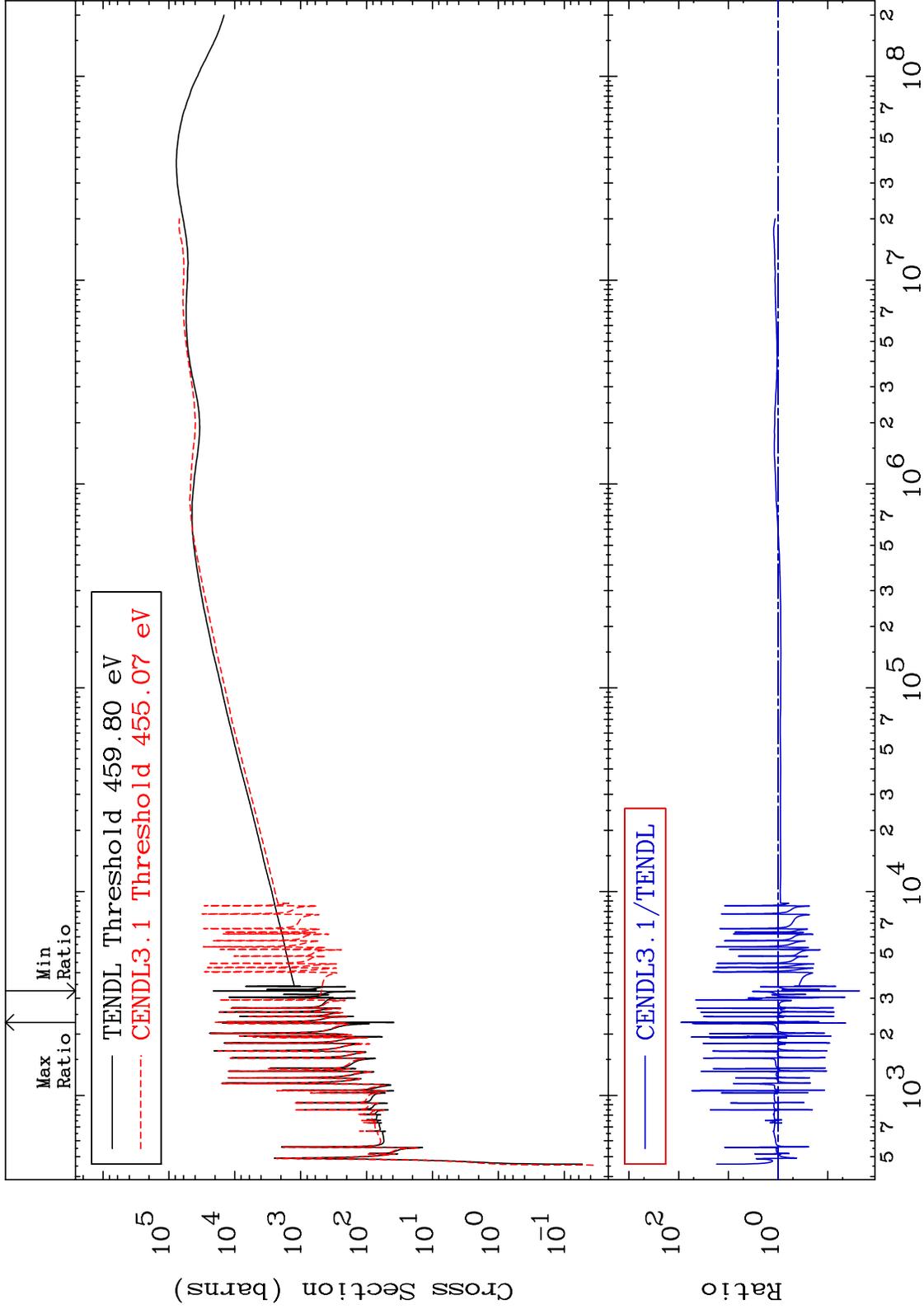
32-Ge-73  
-97.80 To 9999. %

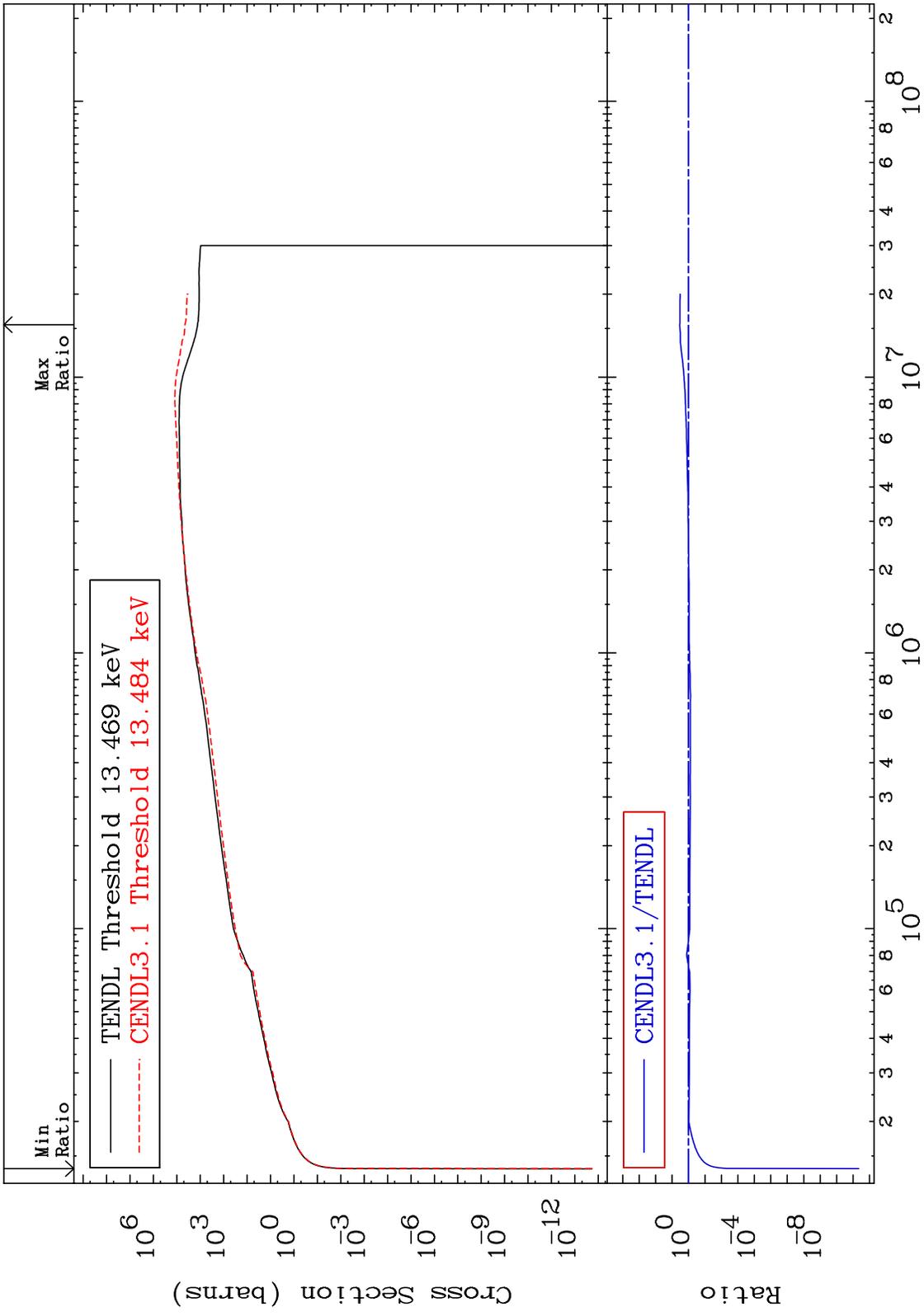


MAT 3234

Dpa elastic (mt2)  
Cross Section

32-Ge-73  
-97.74 To 8954. %

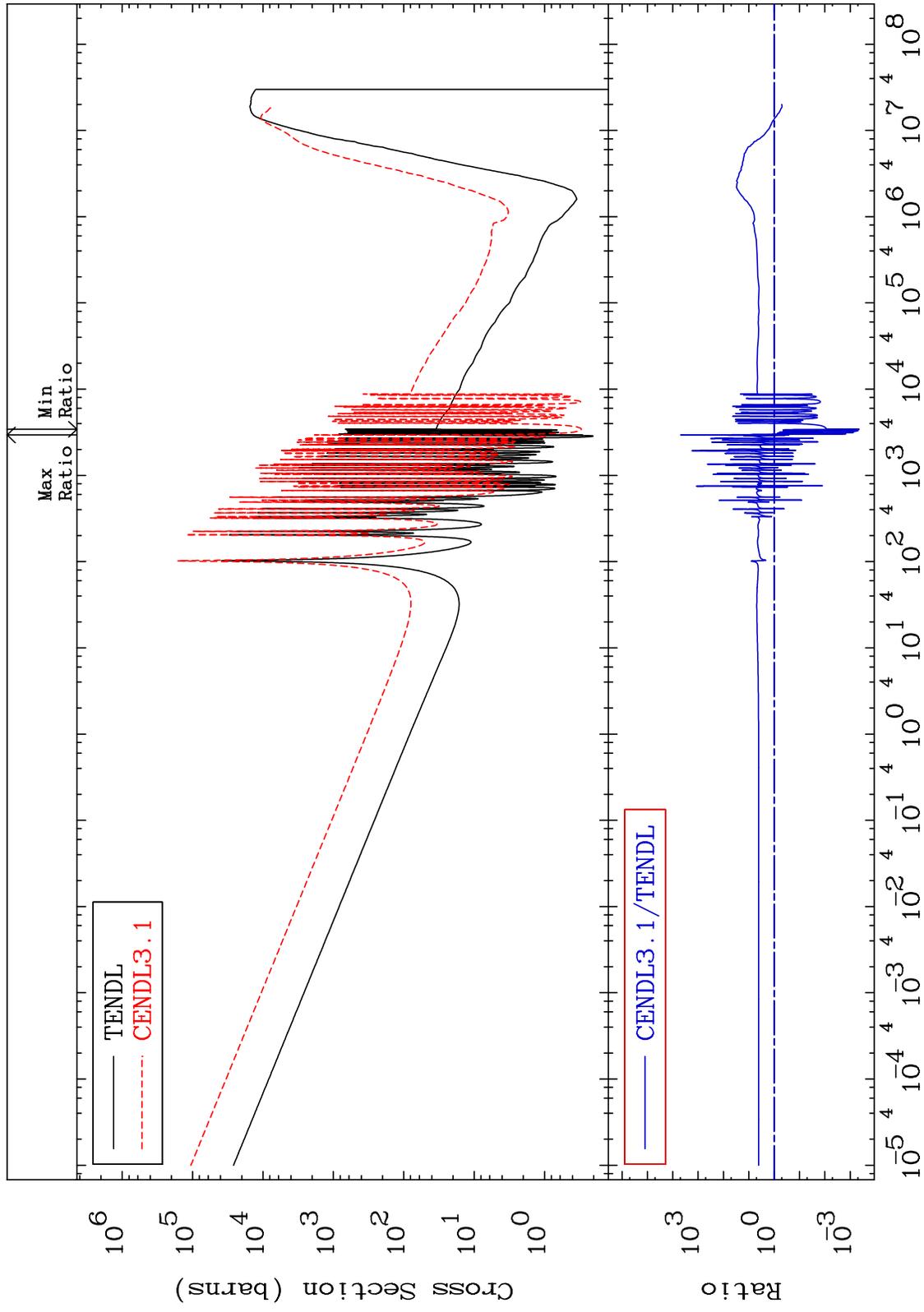




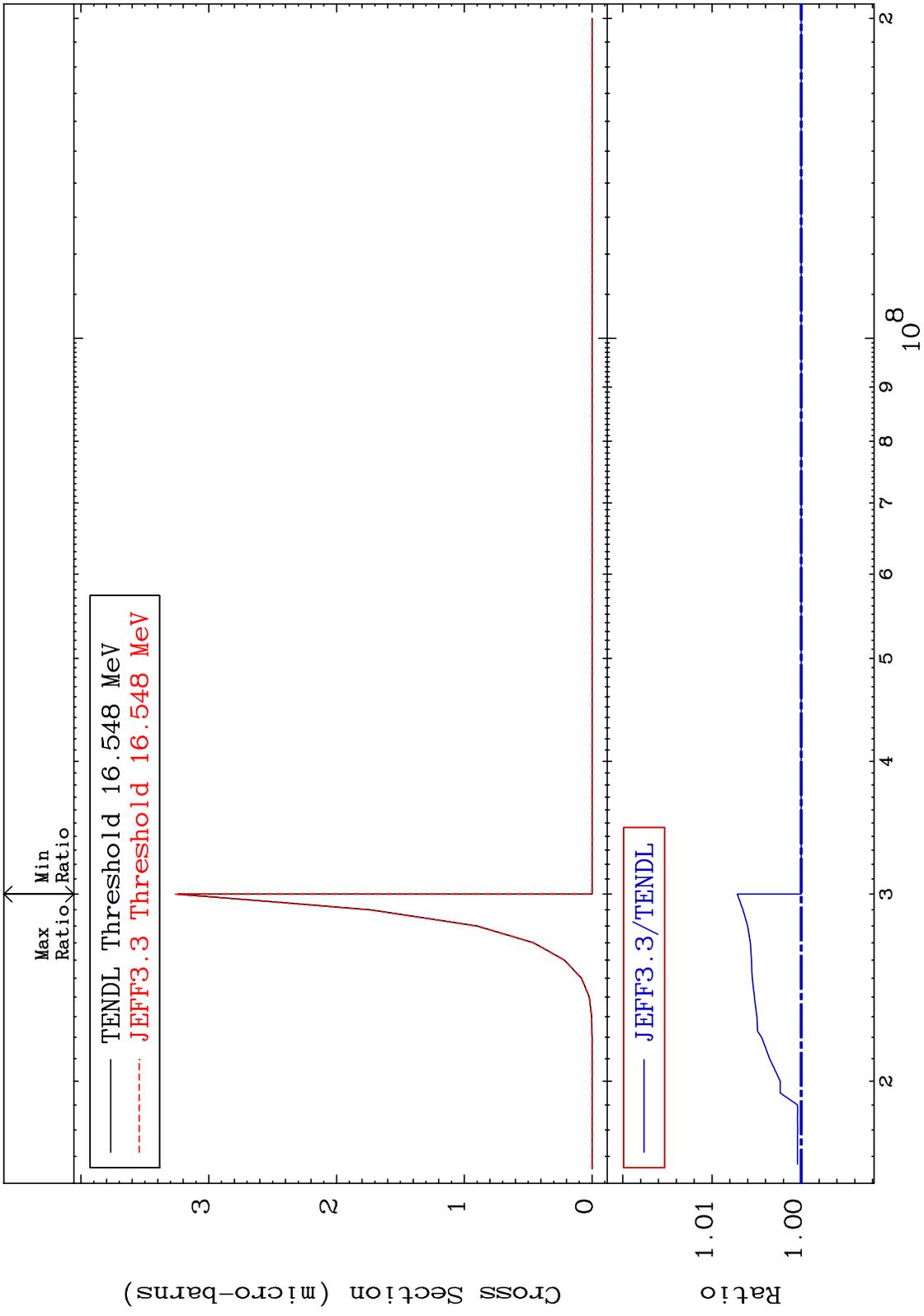
MAT 3234

Dpa disappearance (mt102 -120)  
Cross Section

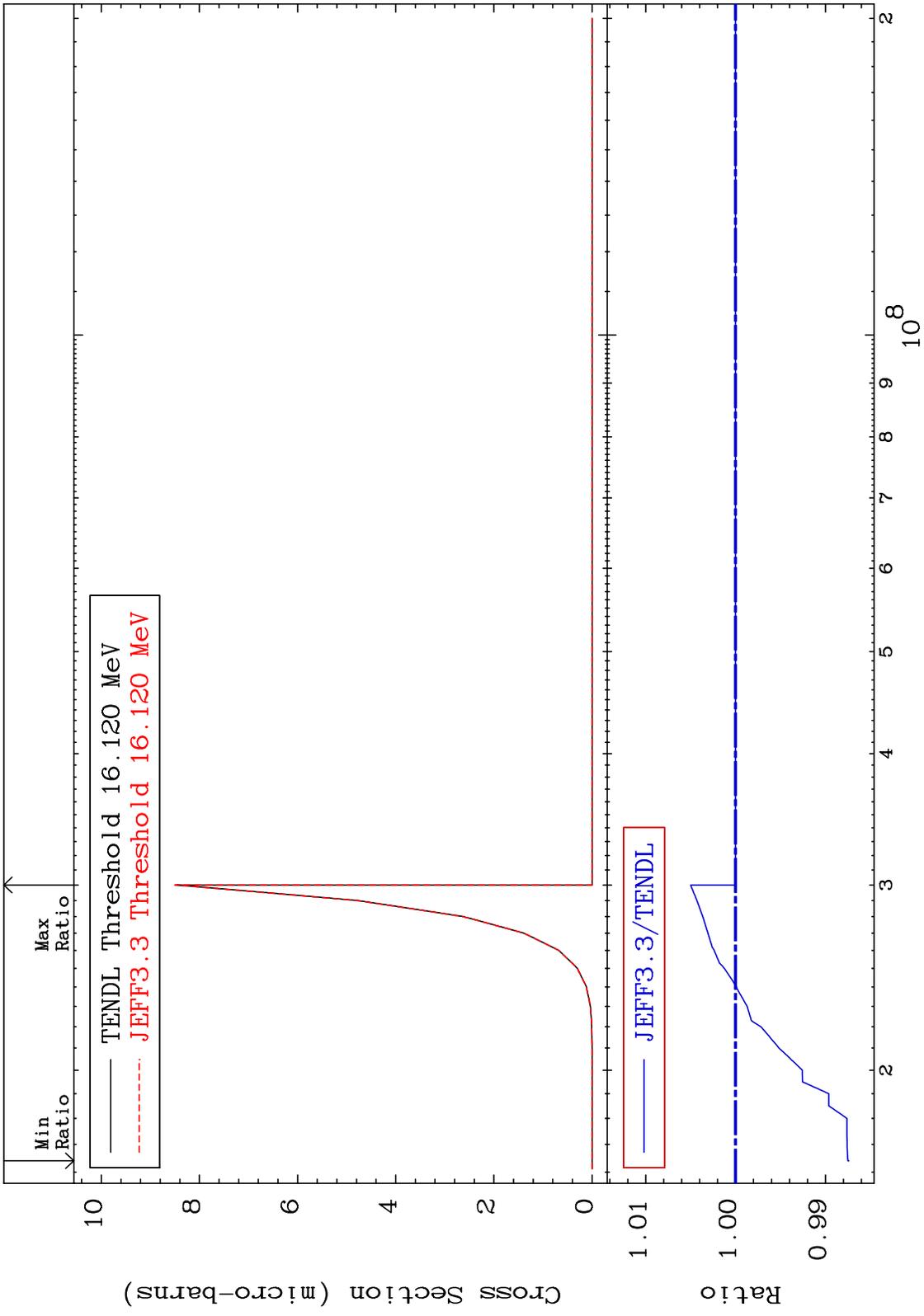
32-Ge-73  
-99.96 To 9999. %



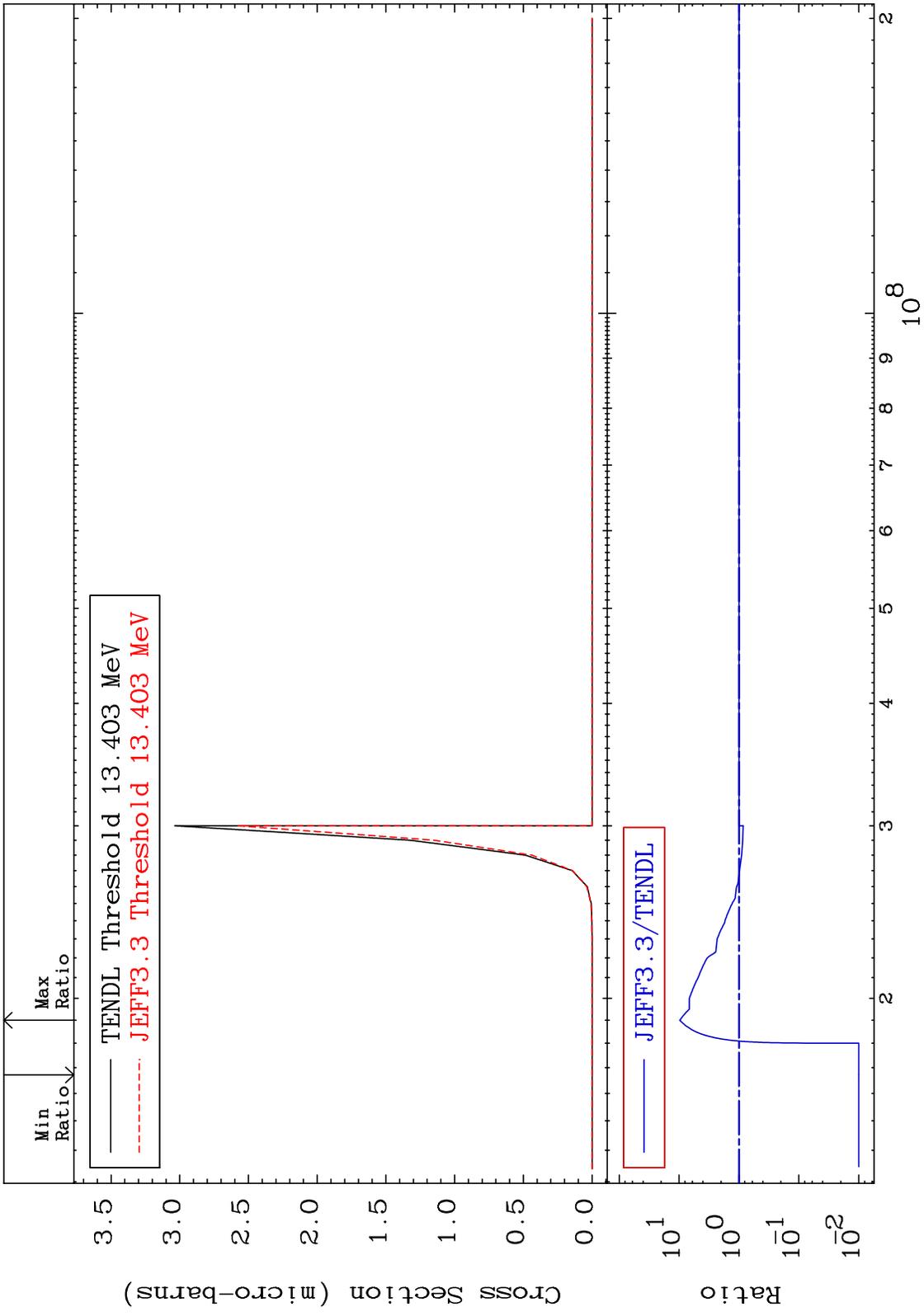
MAT 3234 (n,p) d 32-Ge-73  
 Cross Section 0.000 To 0.716 %



MAT 3234 (n,p) t 32-Ge-73  
 Cross Section -1.251 To 0.501 %



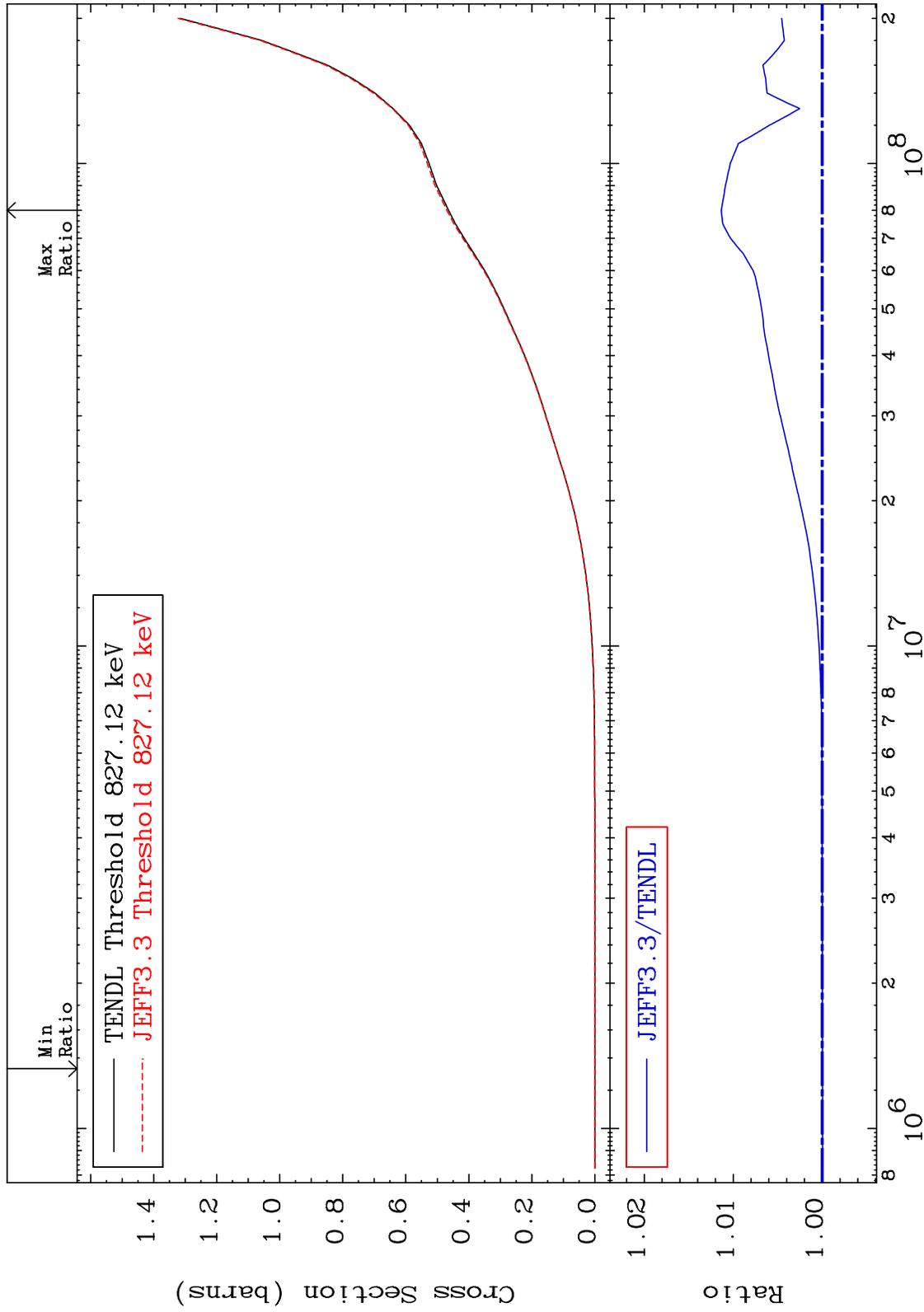
MAT 3234 (n,d)  $\alpha$  32-Ge-73  
 Cross Section -99.00 To 874.9 %



MAT 3234

Hydrogen Production  
Cross Section

32-Ge-73  
-0.004 To 1.135 %



64

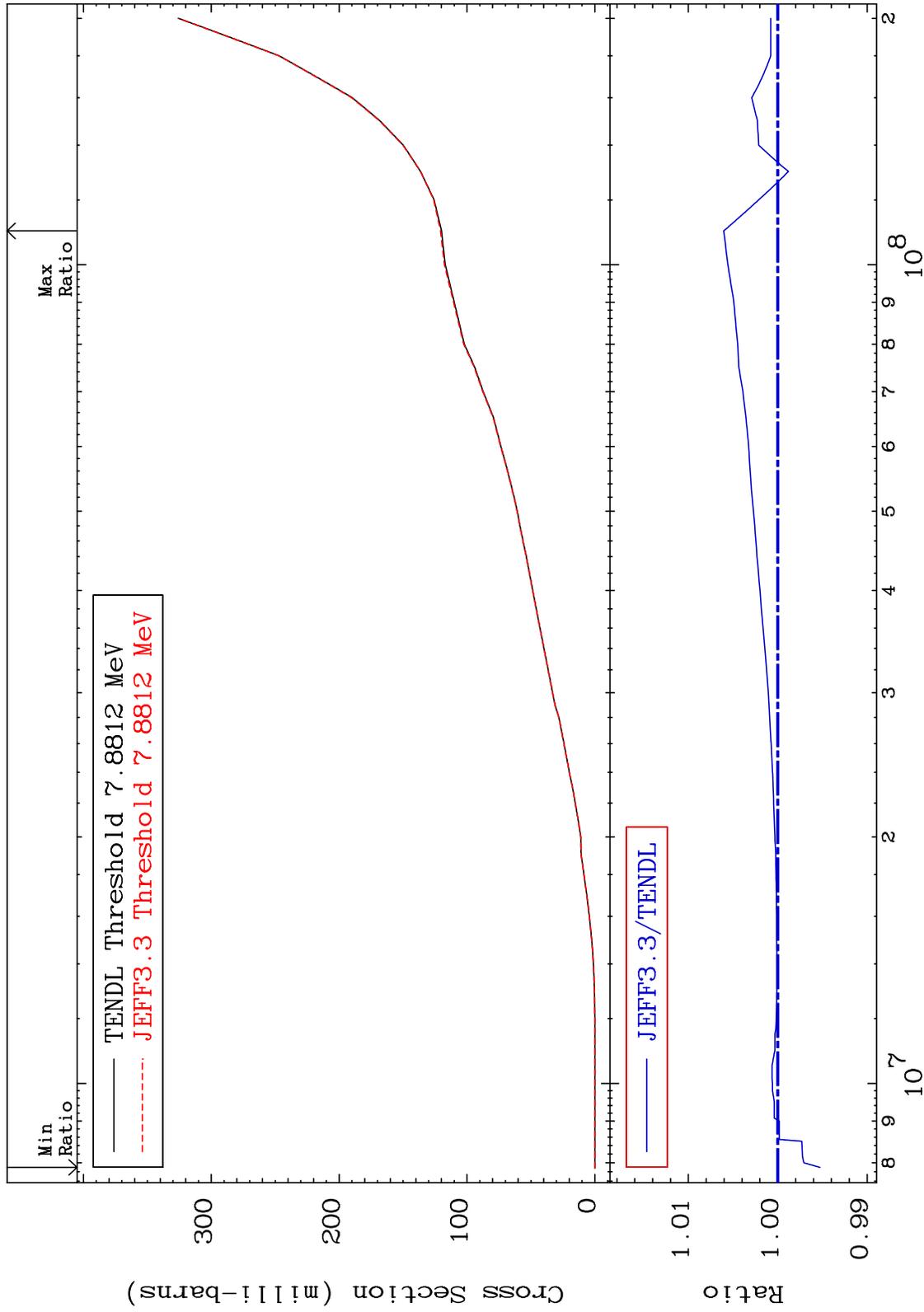
Incident Energy (eV)

32-Ge-73

MAT 3234

Deuterium Production  
Cross Section

32-Ge-73  
-0.472 To 0.604 %



65

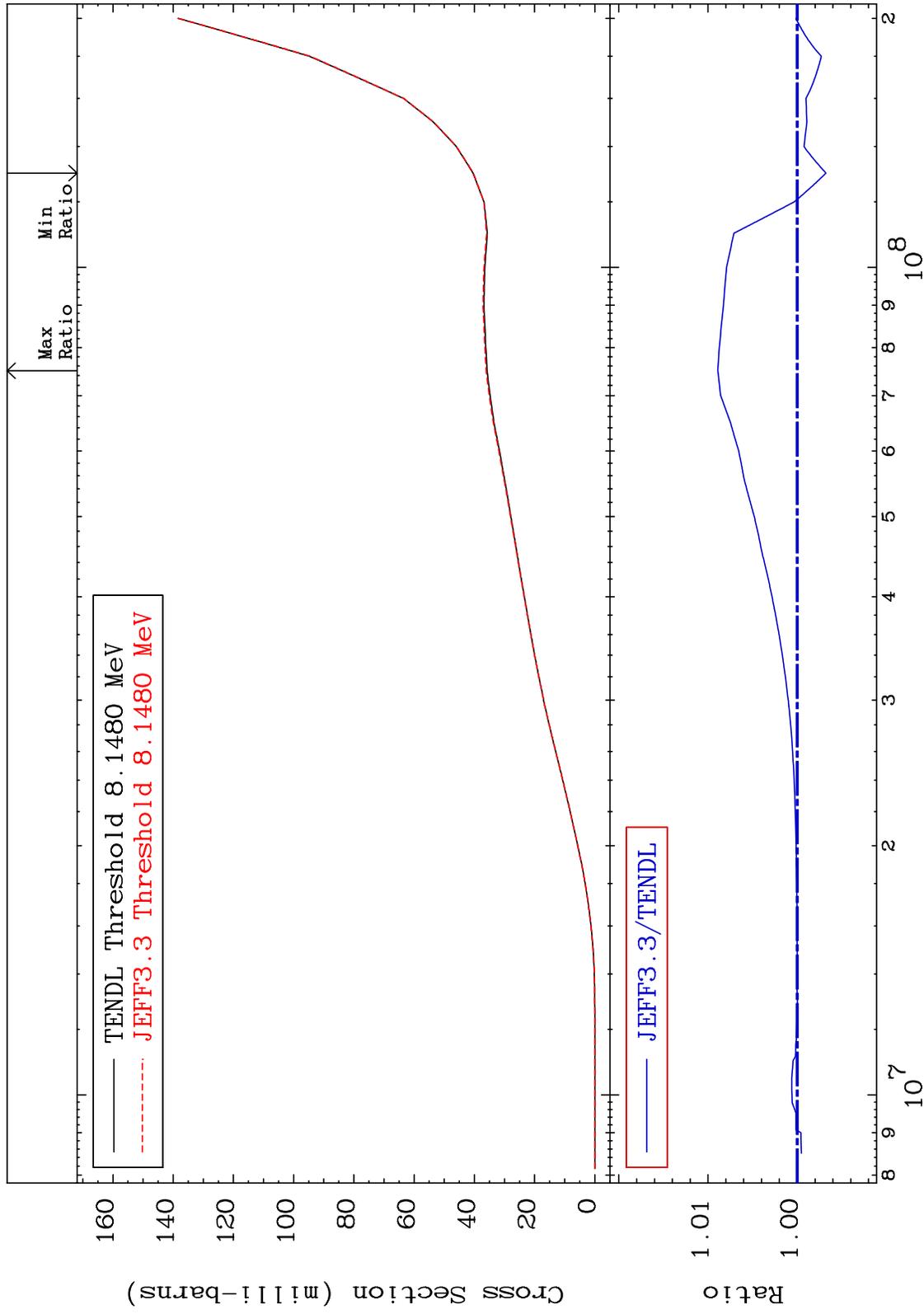
Incident Energy (eV)

32-Ge-73

MAT 3234

Tritium Production  
Cross Section

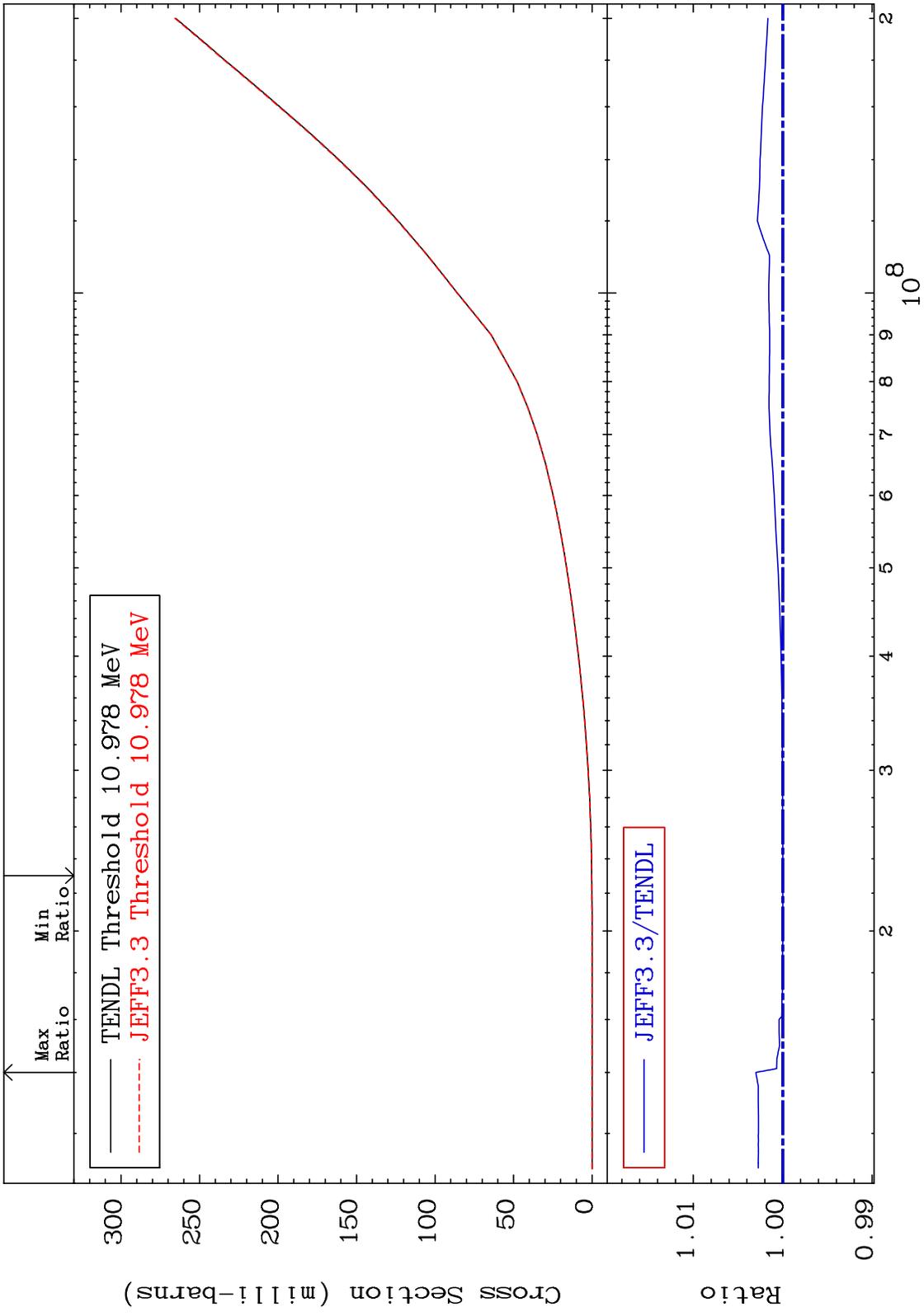
<sup>32</sup>Ge-73  
-0.322 To 0.890 %



66

Incident Energy (eV)

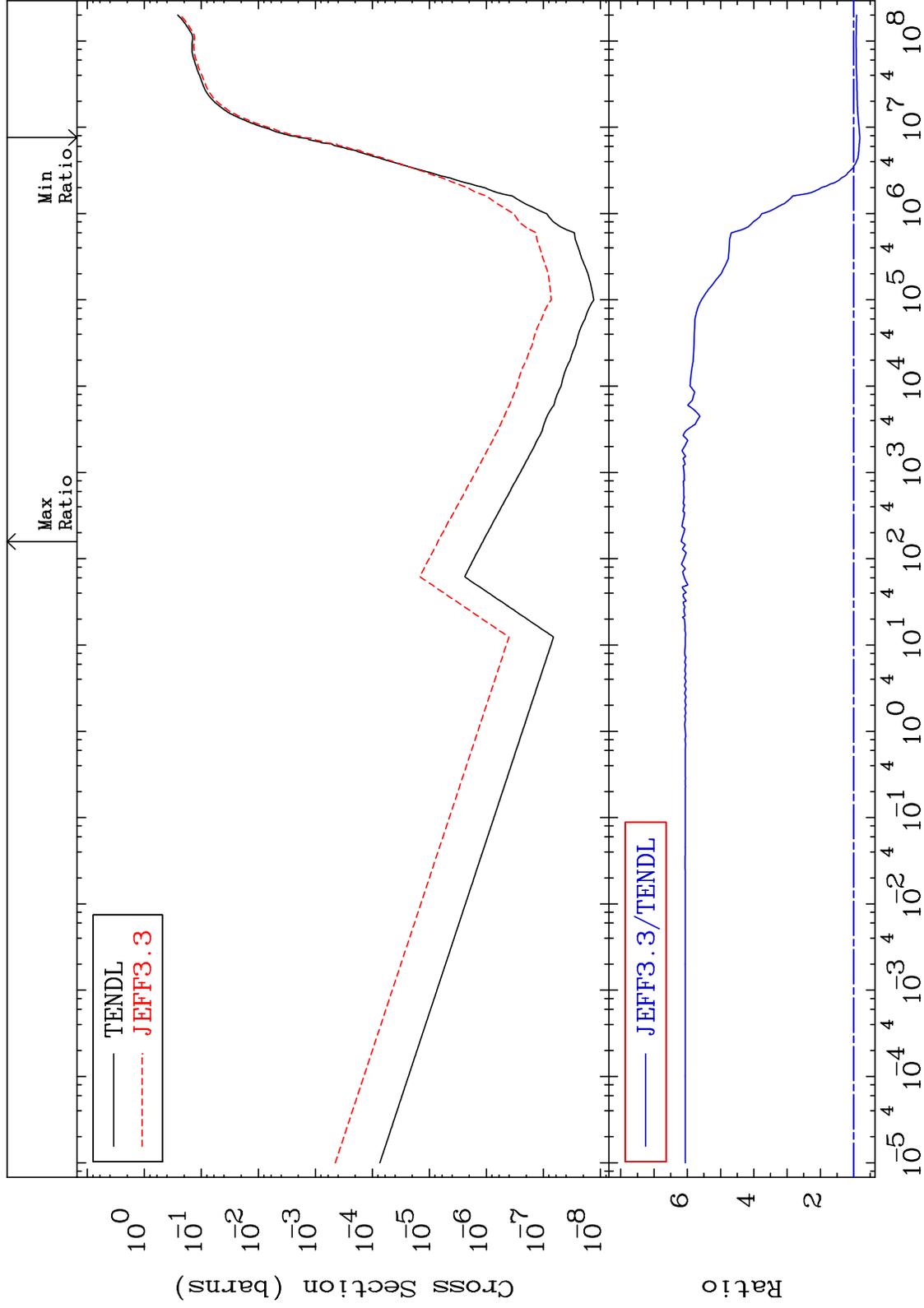
<sup>32</sup>Ge-73



MAT 3234

He-4 Production  
Cross Section

32-Ge-73  
-18.59 To 518.3 %

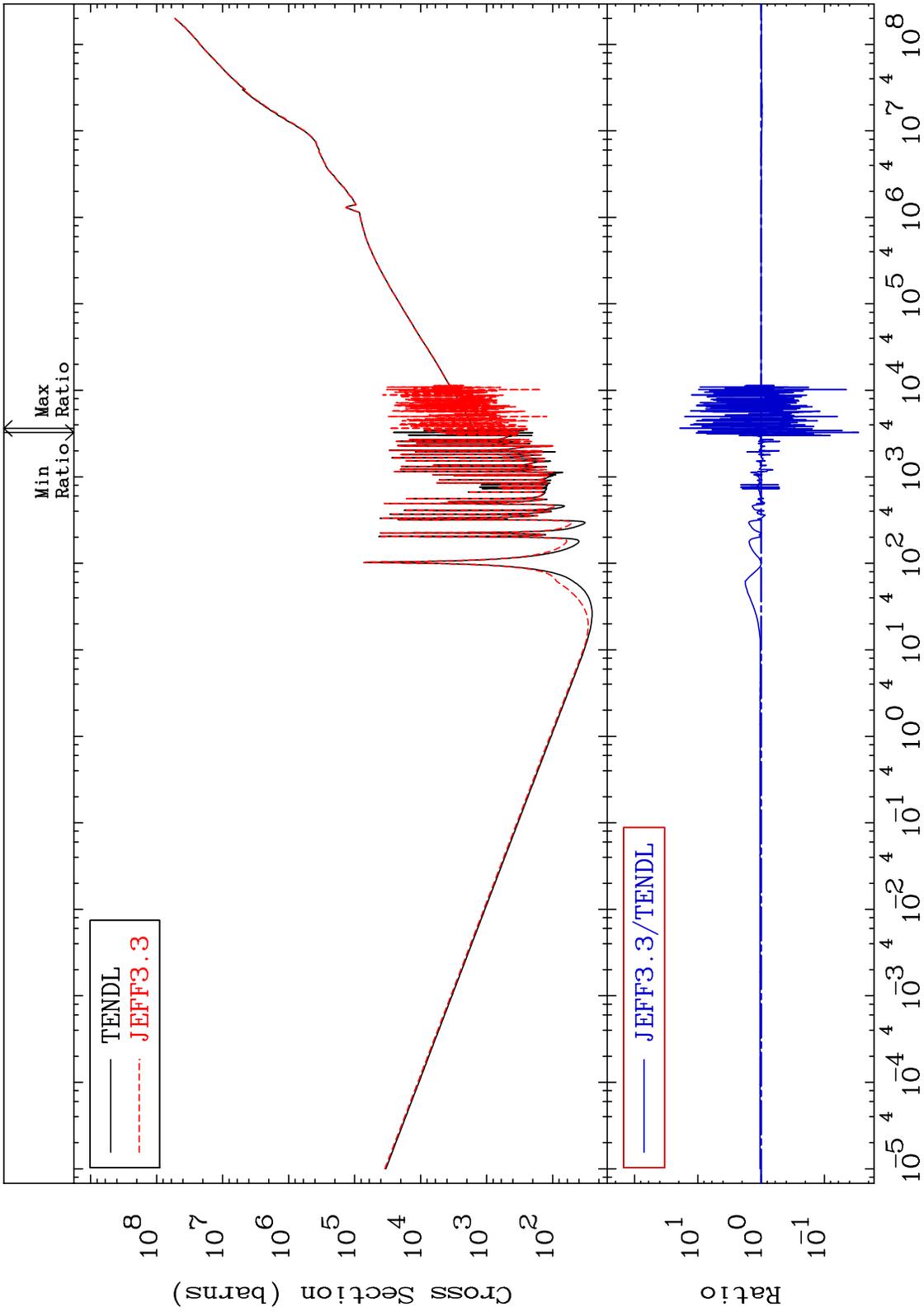


68

Incident Energy (eV)

32-Ge-73

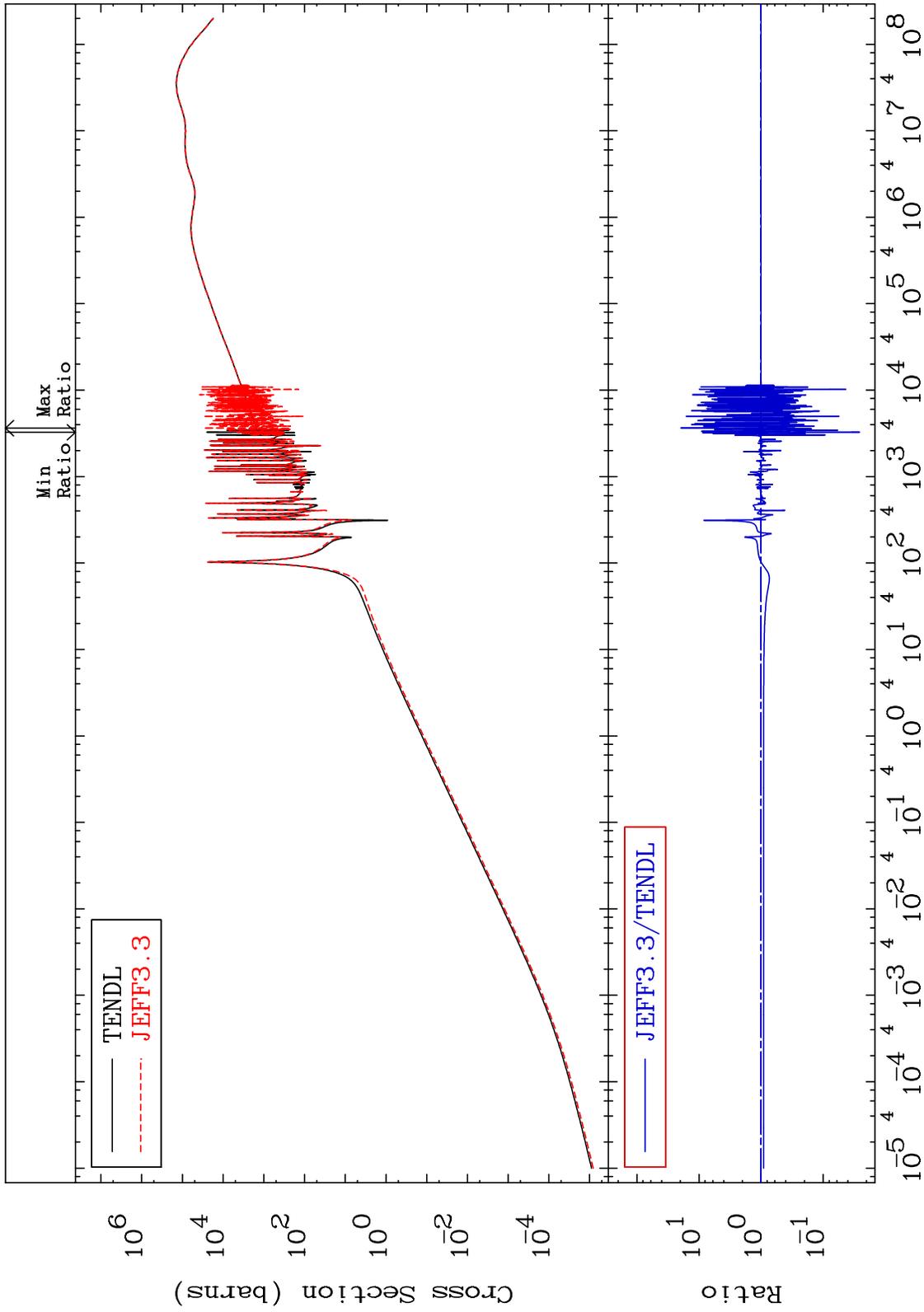
MAT 3234 Kerma total (eV-barns) 32-Ge-73  
 Cross Section -97.14 To 1838. %



MAT 3234

Kerma elastic  
Cross Section

32-Ge-73  
-97.42 To 1866. %



70

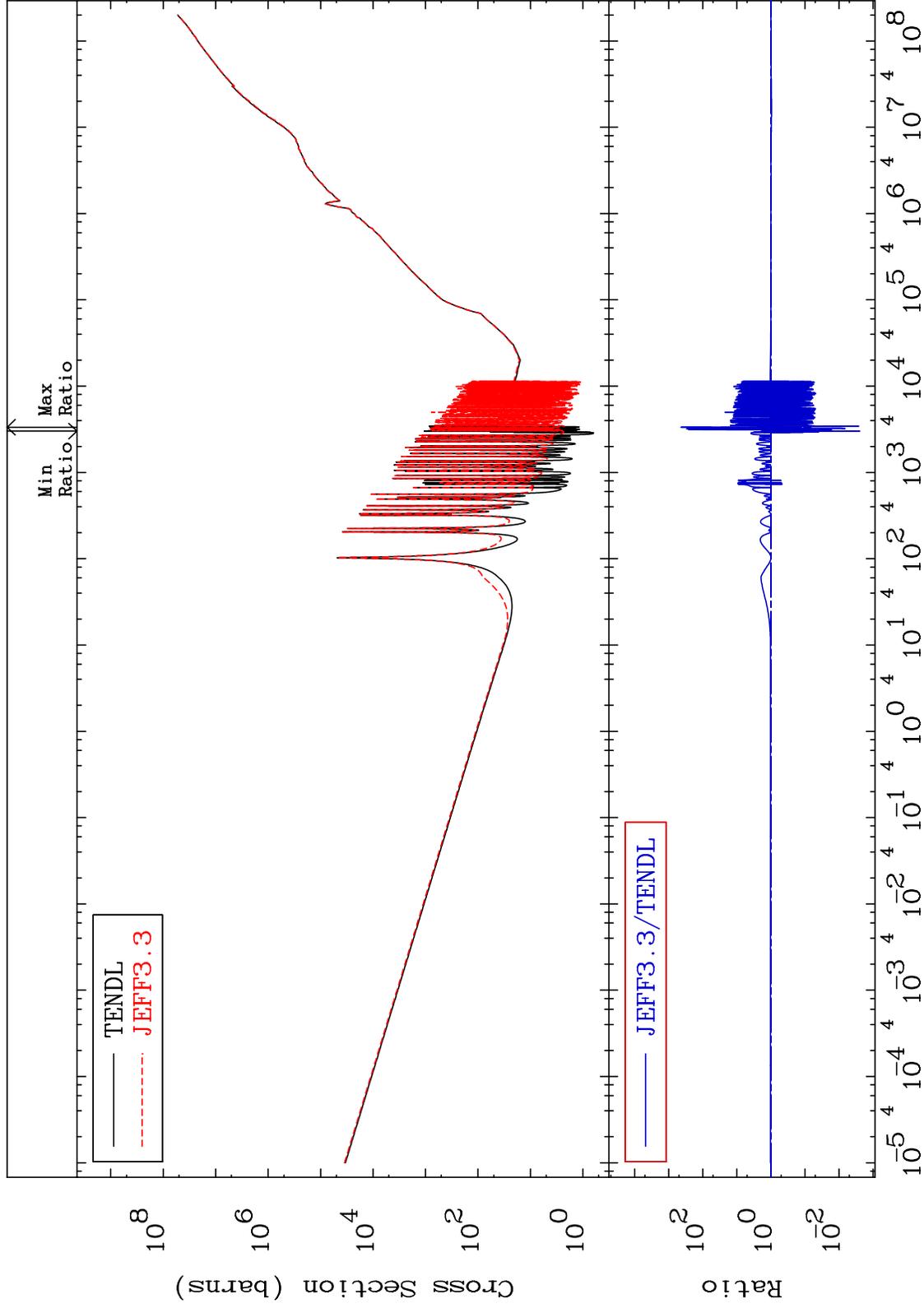
Incident Energy (eV)

32-Ge-73

MAT 3234

Kerma non-elastic (all but mt.2)  
Cross Section

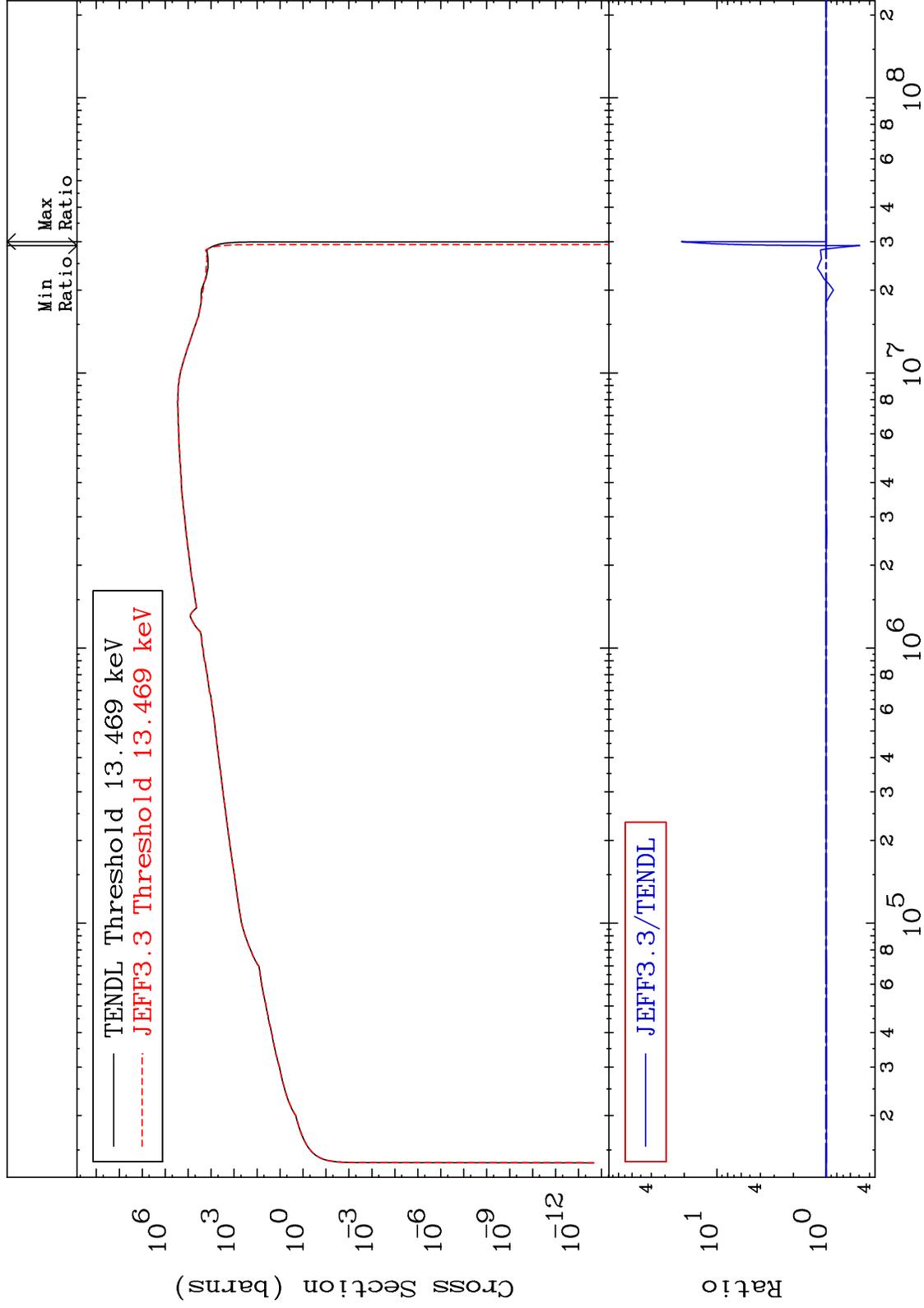
32-Ge-73  
-99.75 To 9999. %



MAT 3234

Kerma inelastic (mt51-91)  
Cross Section

32-Ge-73  
-50.78 To 2028. %



72

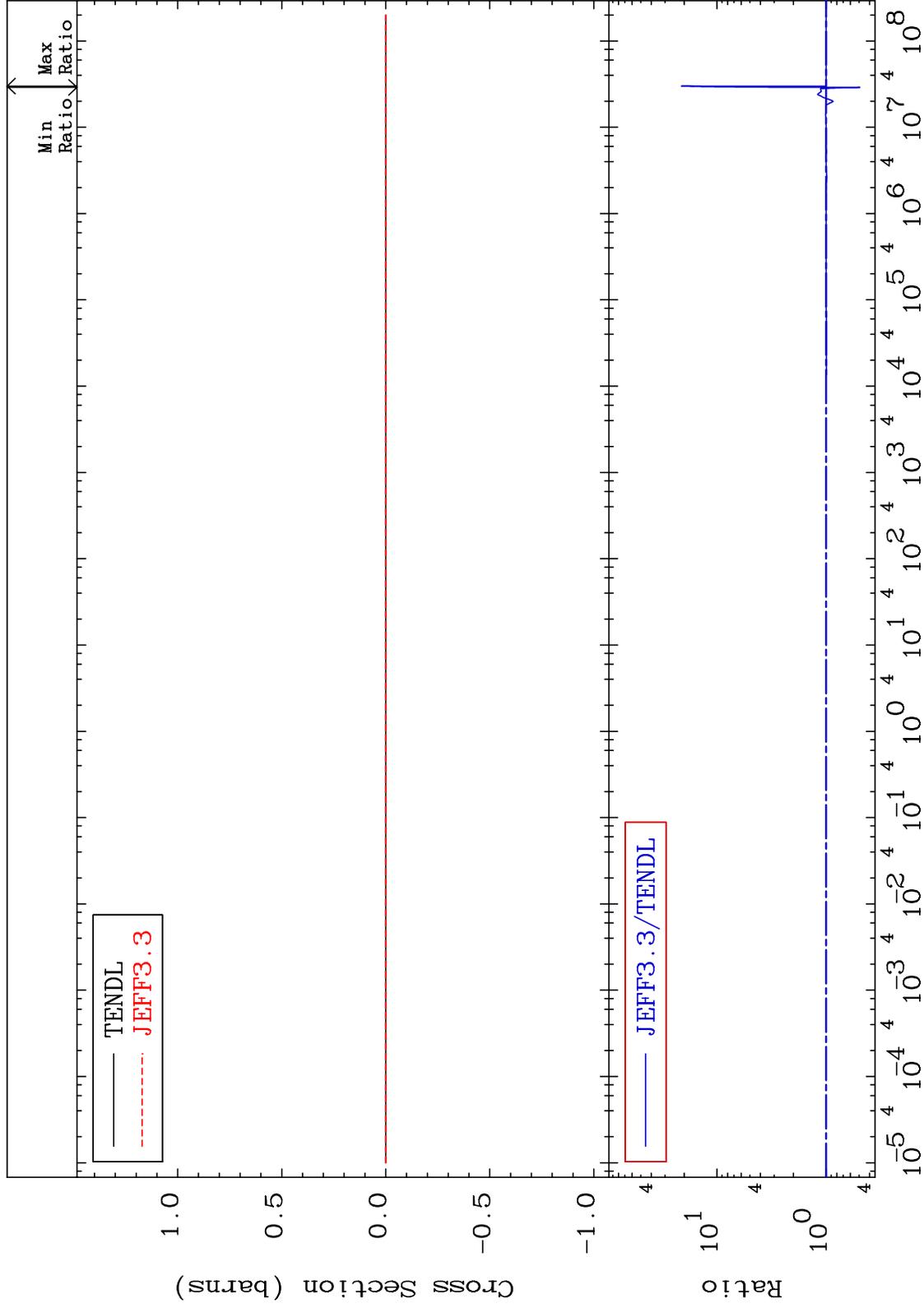
Incident Energy (eV)

32-Ge-73

MAT 3234

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

32-Ge-73  
-50.78 To 2028. %



73

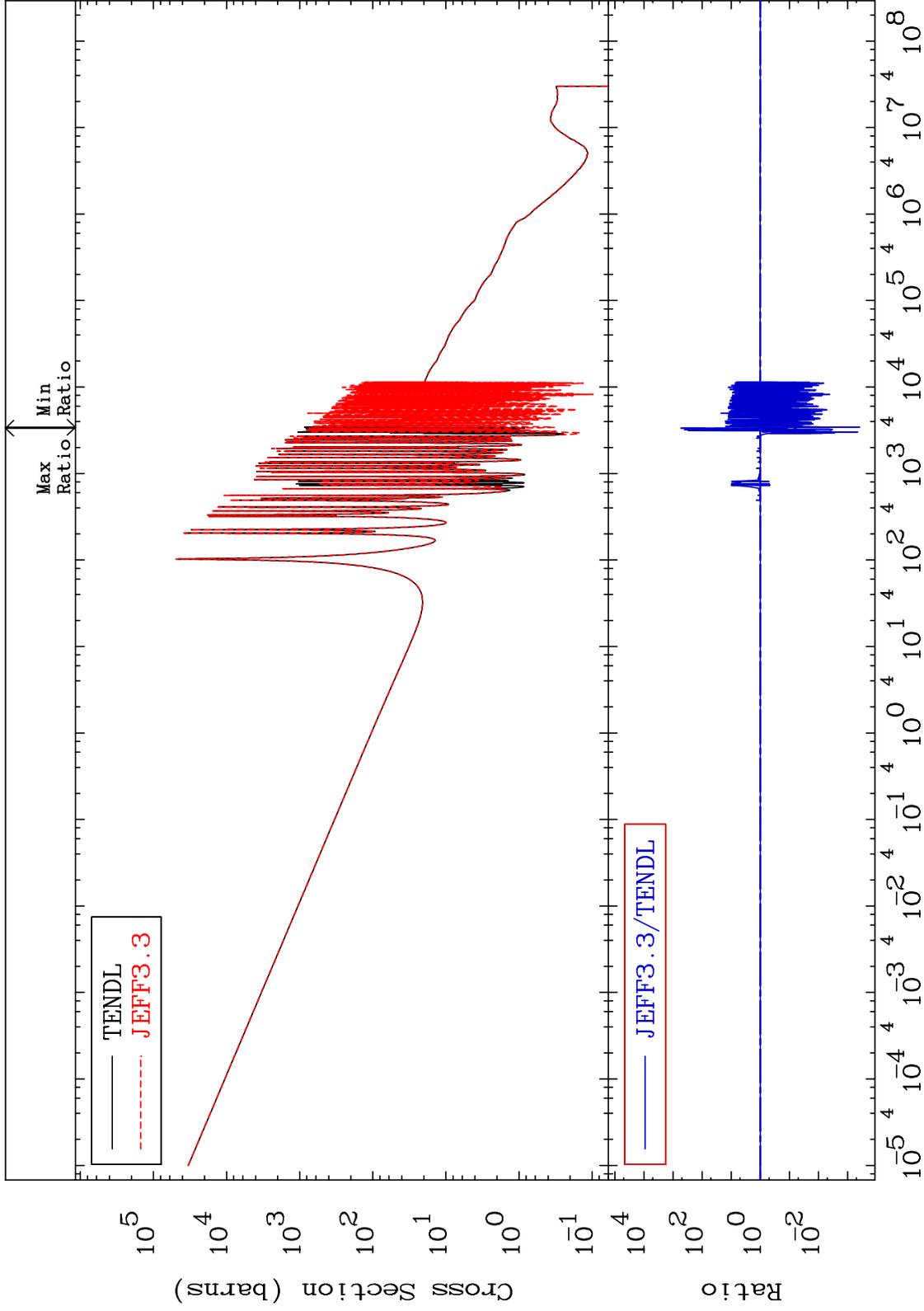
Incident Energy (eV)

32-Ge-73

MAT 3234

Kerma capture (mt102)  
Cross Section

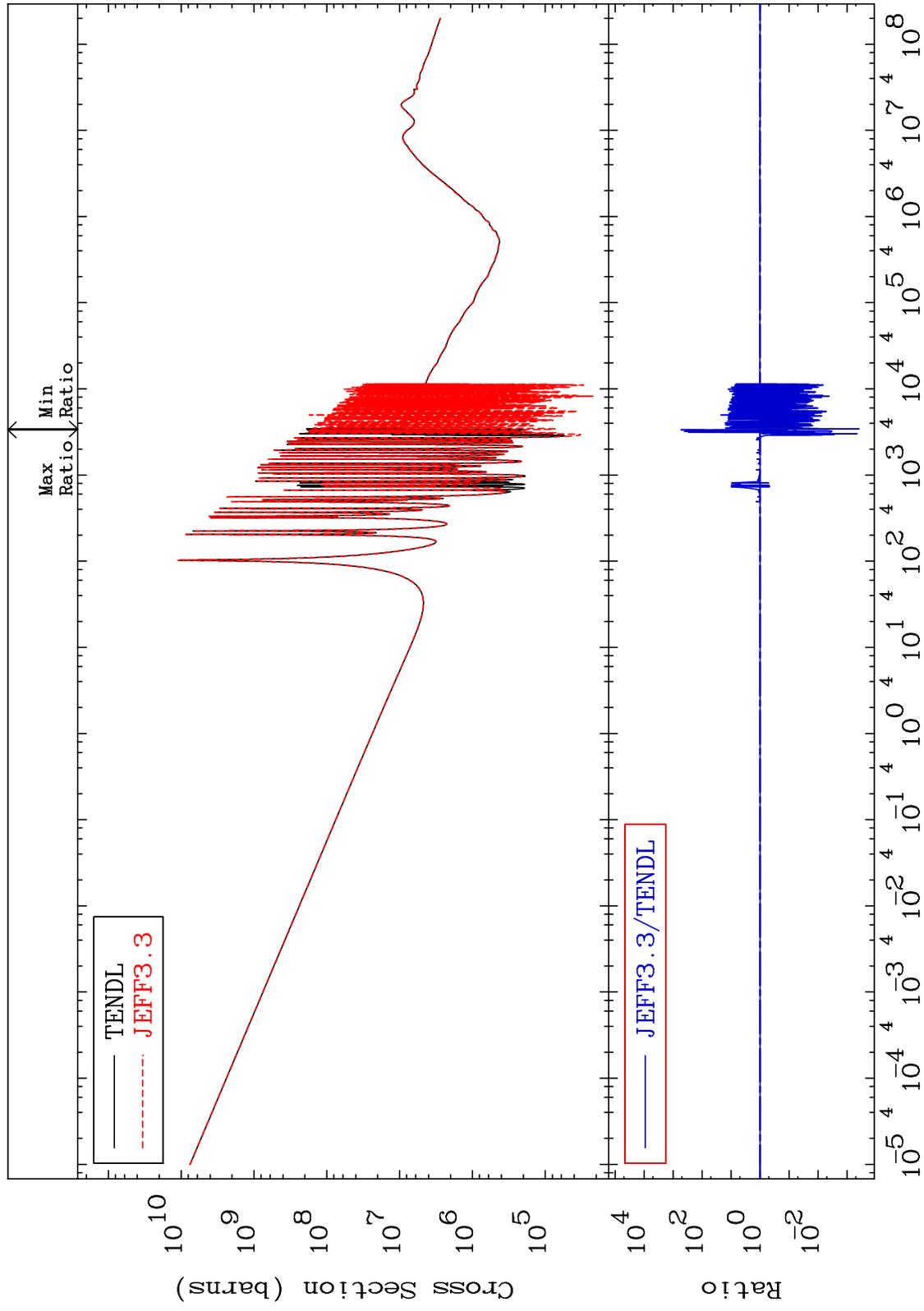
32-Ge-73  
-99.96 To 9999. %



MAT 3234

Total photon (eV-barns)  
Cross Section

32-Ge-73  
-99.96 To 9999. %



75

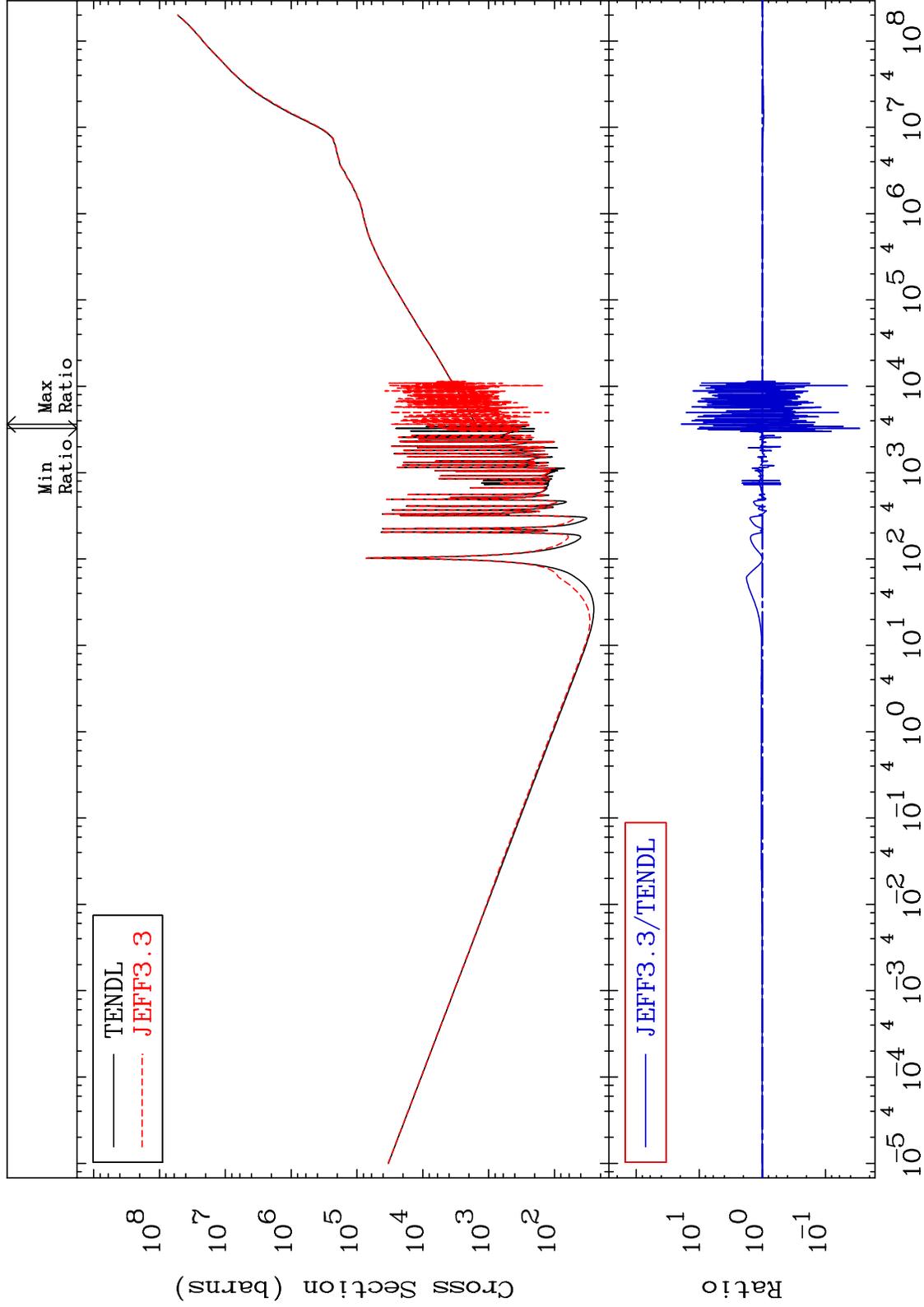
Incident Energy (eV)

32-Ge-73

MAT 3234

Total kinematic kerma (high limit)  
Cross Section

32-Ge-73  
-97.14 To 1838. %



76

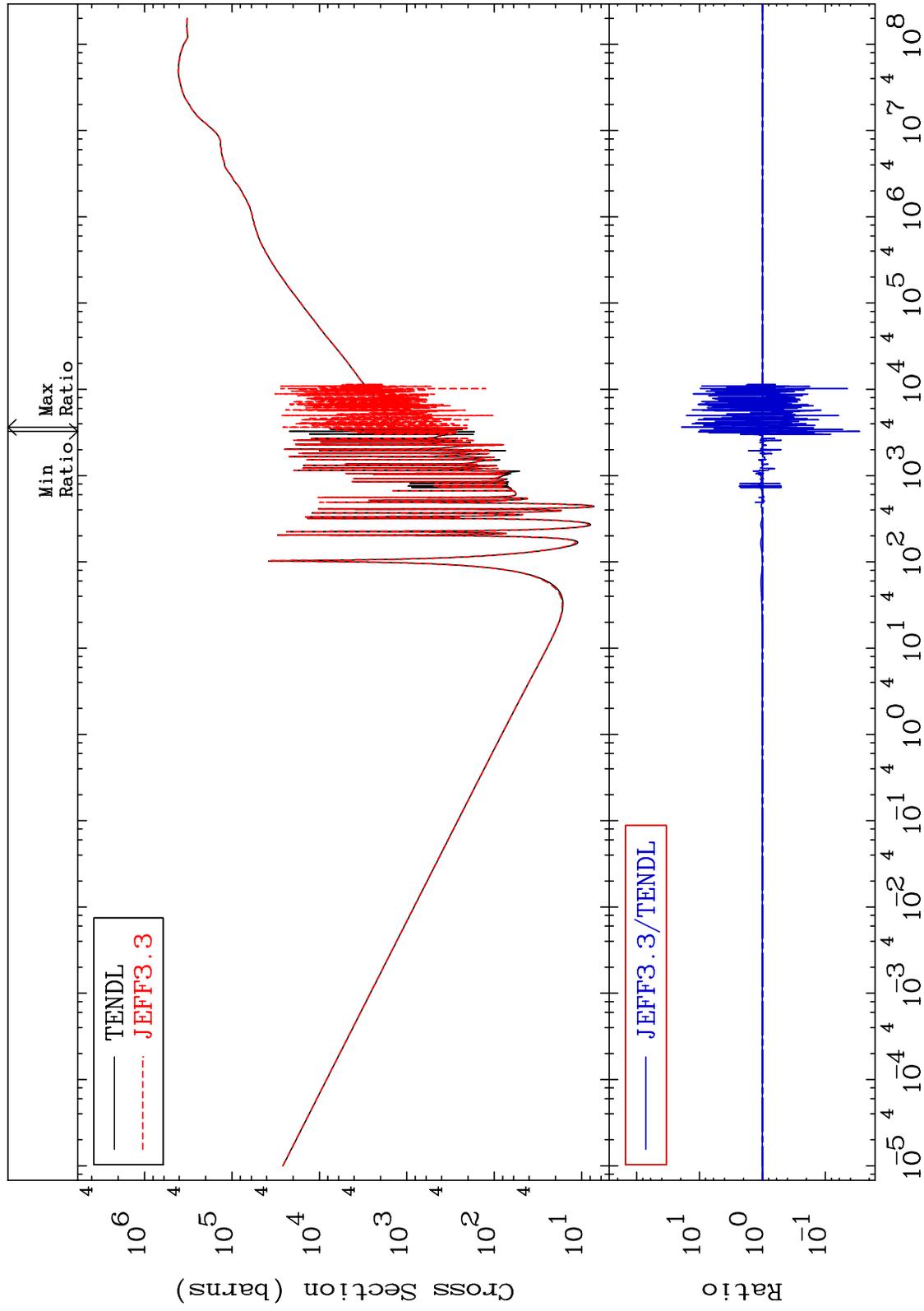
Incident Energy (eV)

32-Ge-73

MAT 3234

Dpa total (eV-barns)  
Cross Section

32-Ge-73  
-97.18 To 1840. %



77

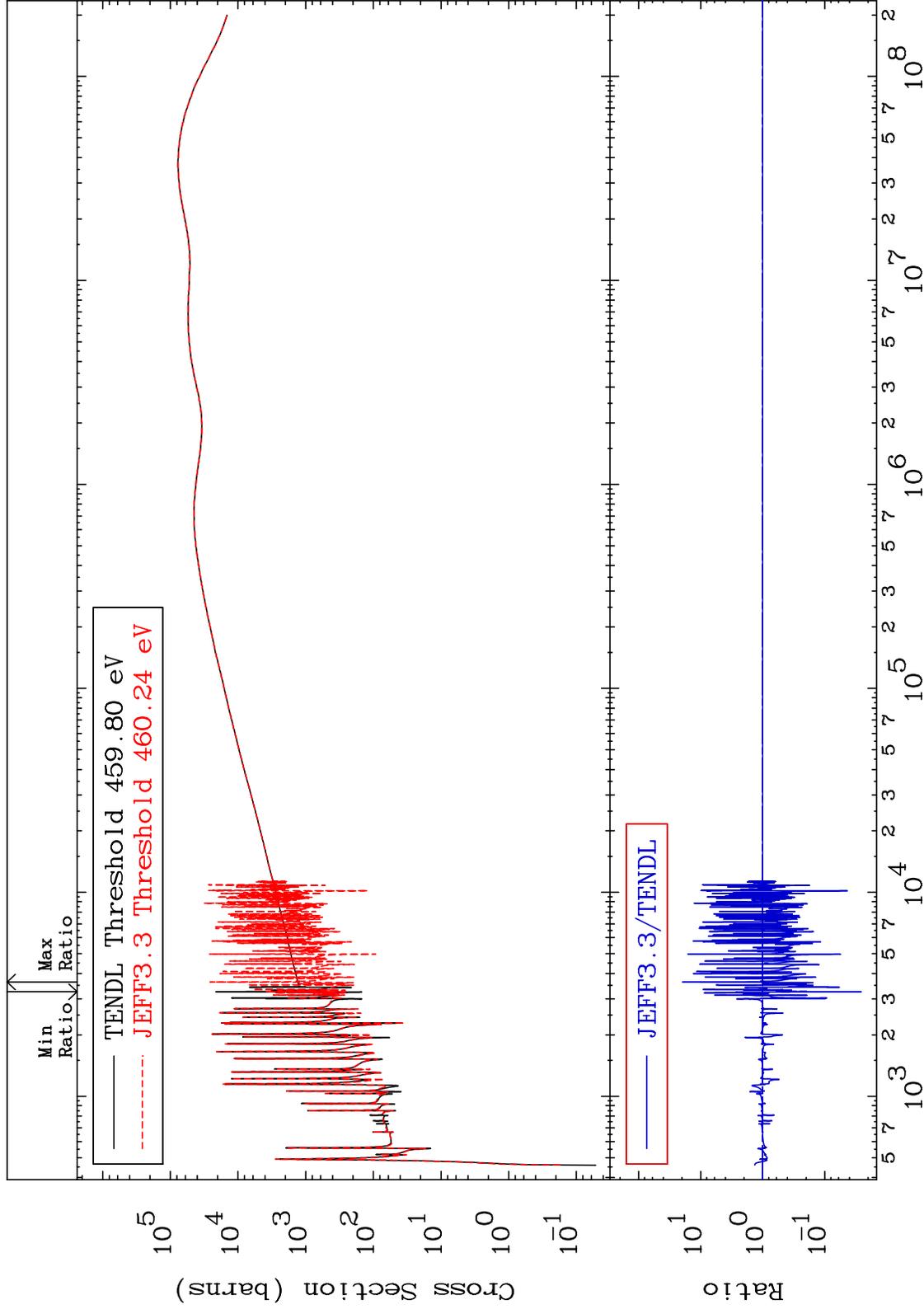
Incident Energy (eV)

32-Ge-73

MAT 3234

Dpa elastic (mt2)  
Cross Section

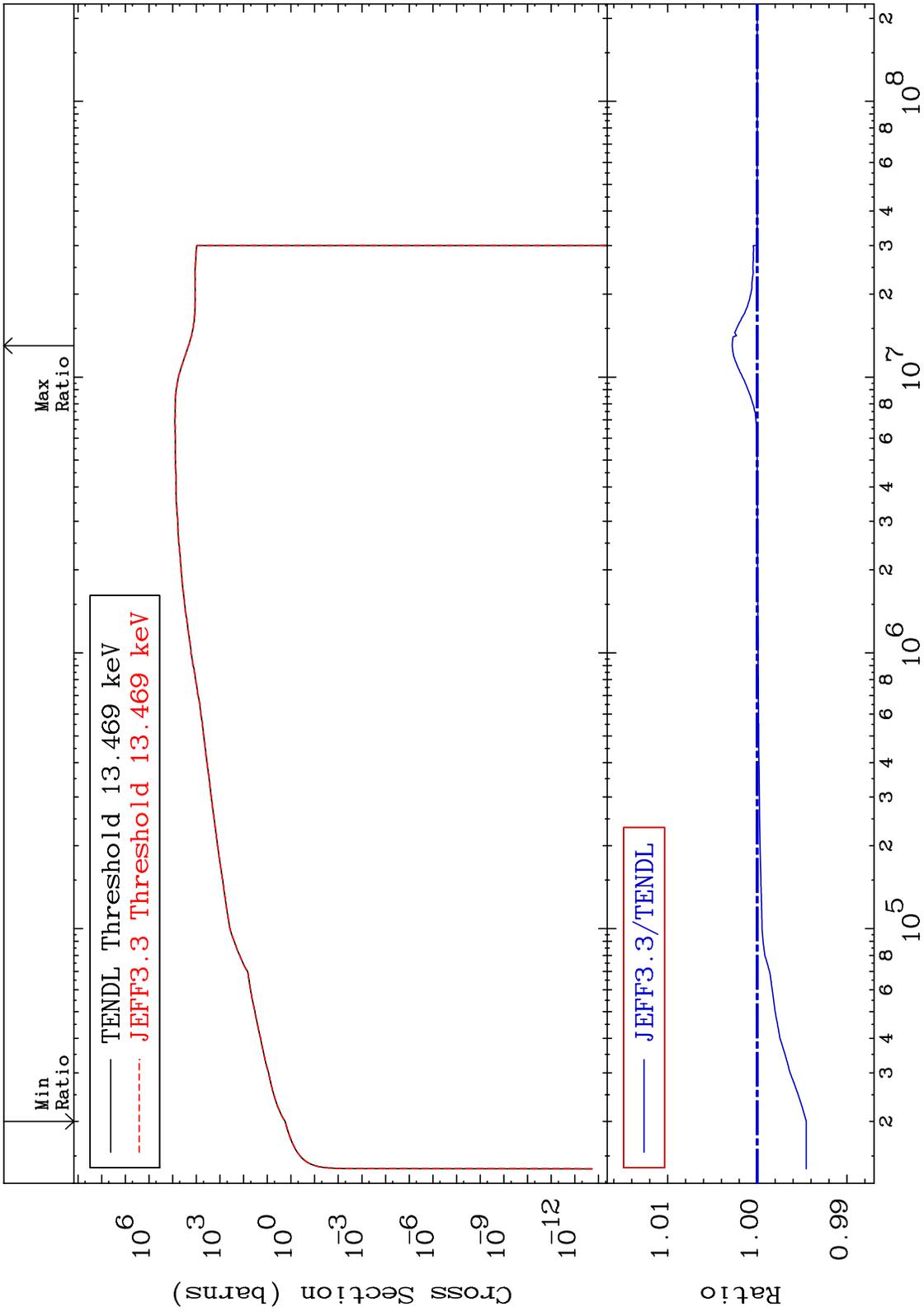
32-Ge-73  
-97.42 To 1867. %



78

32-Ge-73

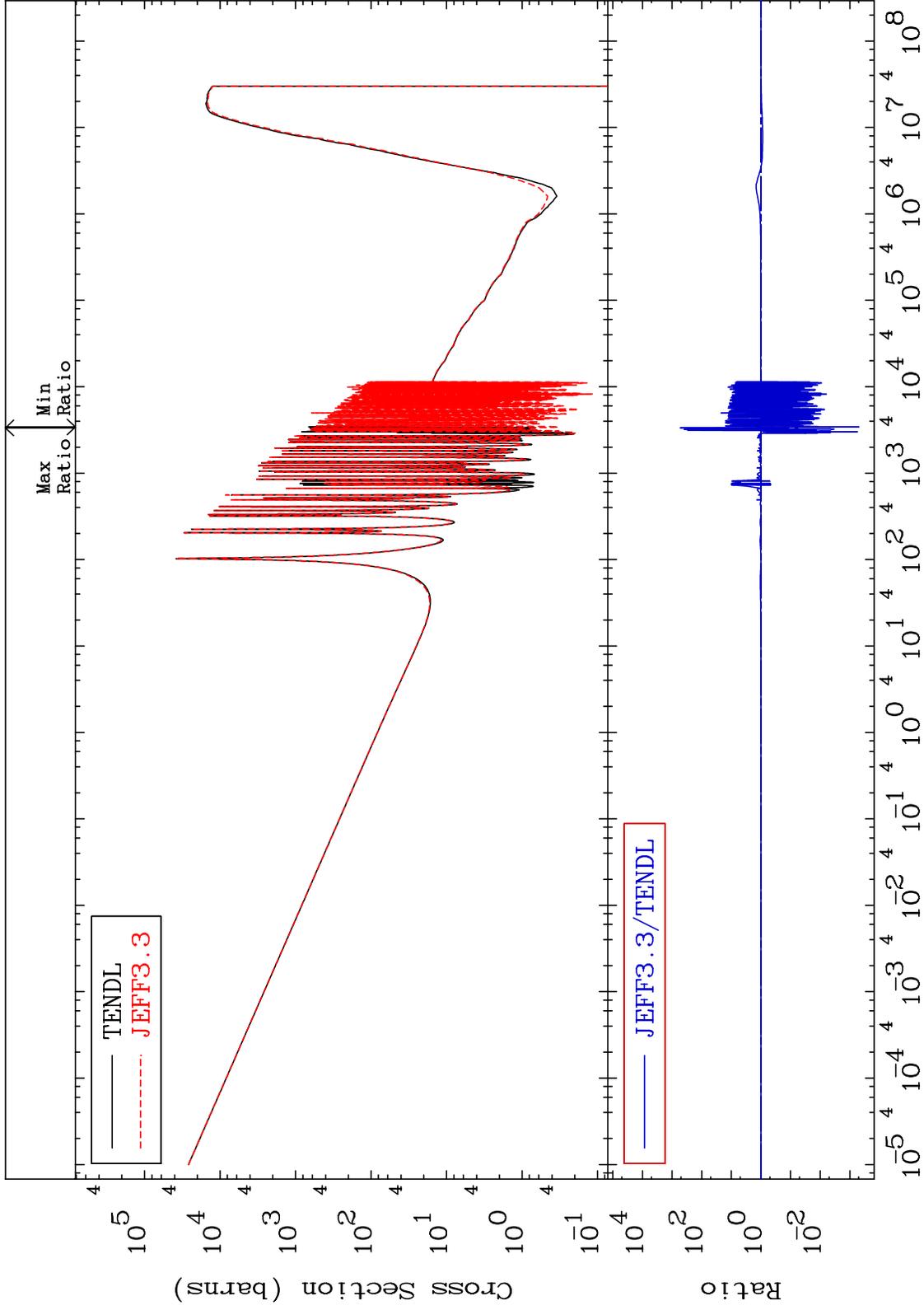
32-Ge-73



MAT 3234

Dpa disappearance (mt102 -120)  
Cross Section

32-Ge-73  
-99.95 To 9999. %

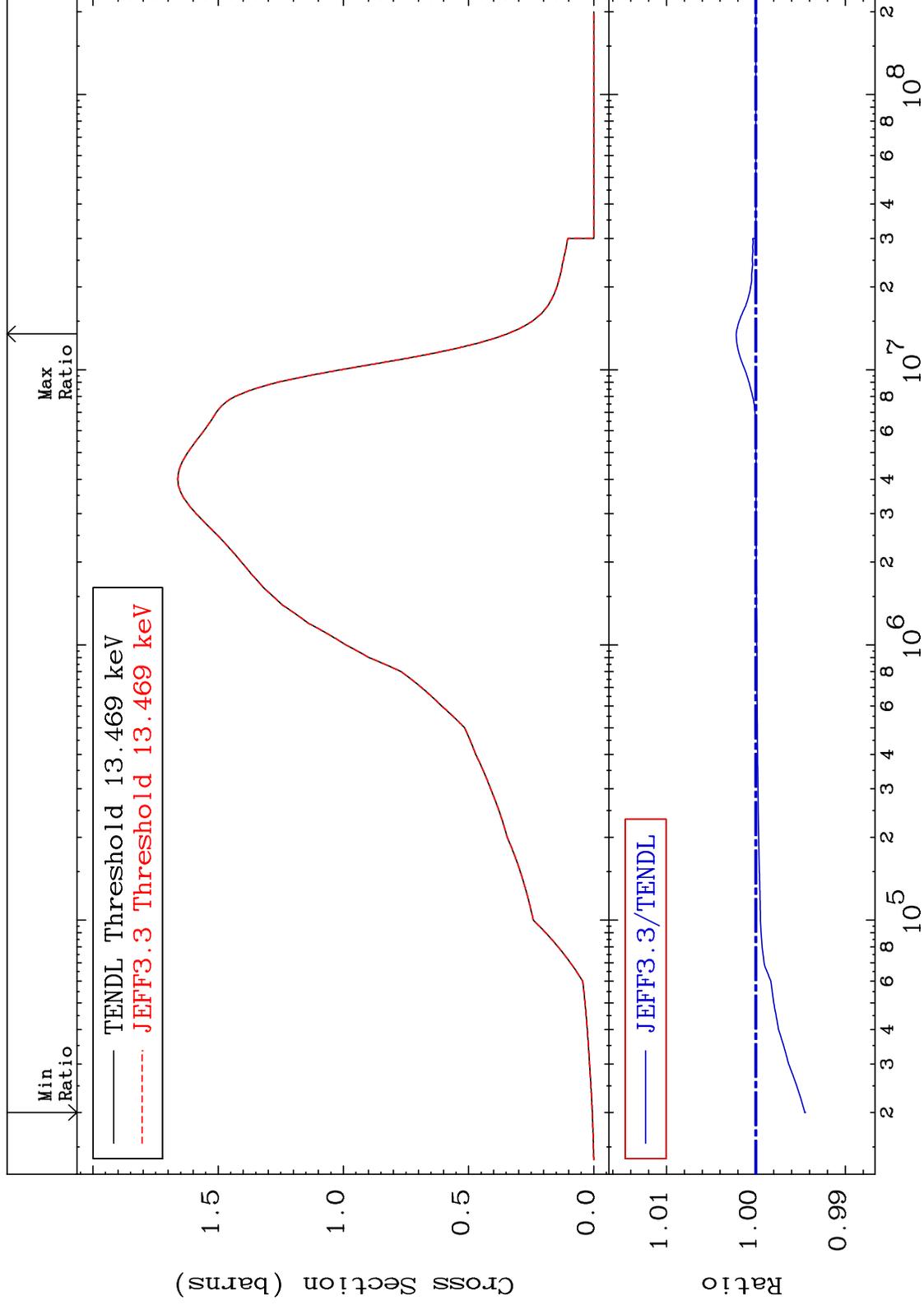


MAT 3234

Inelastic: 32-Ge-73g

32-Ge-73

Radionuclide Production Cross Section -0.547 To 0.219 %

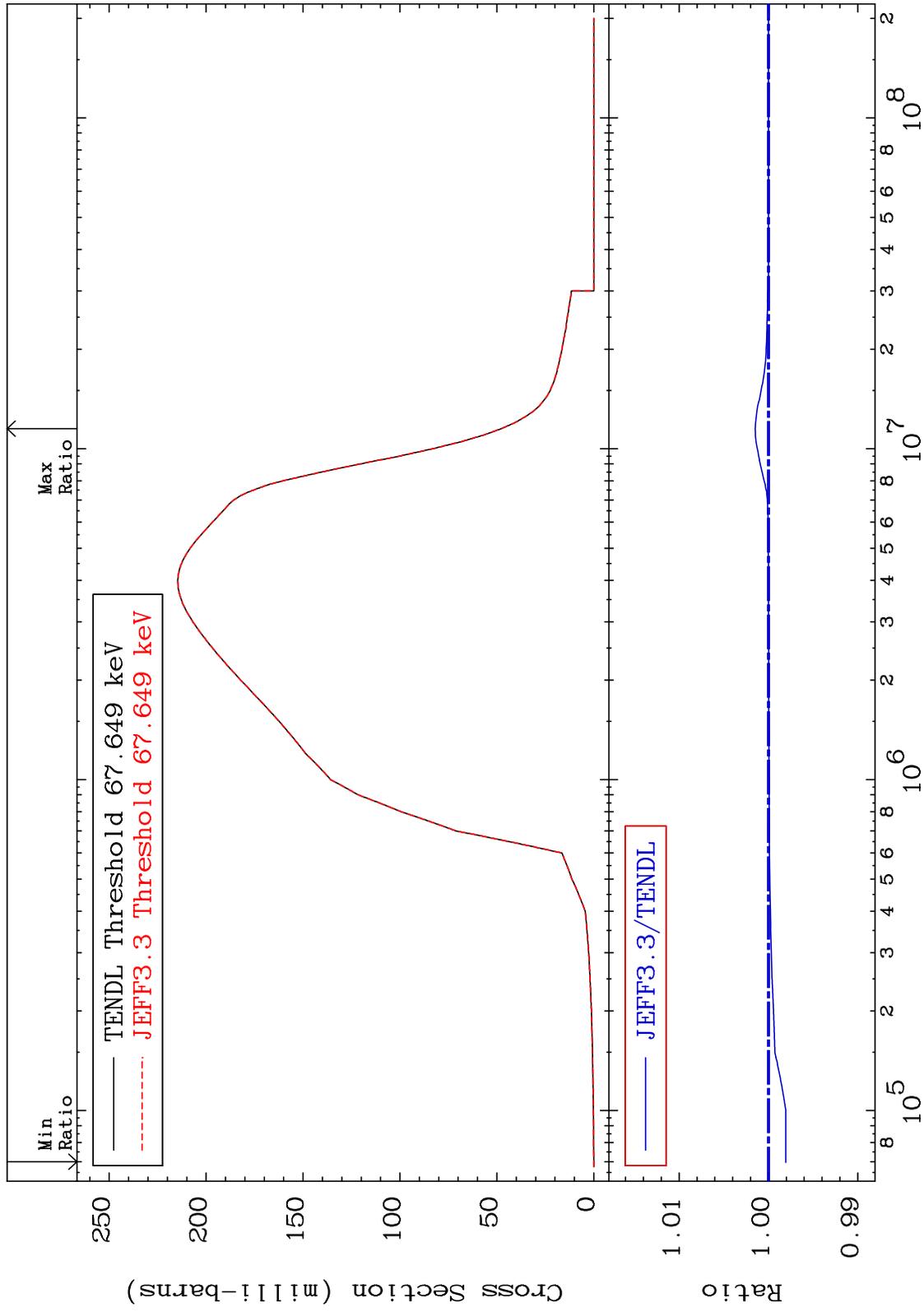


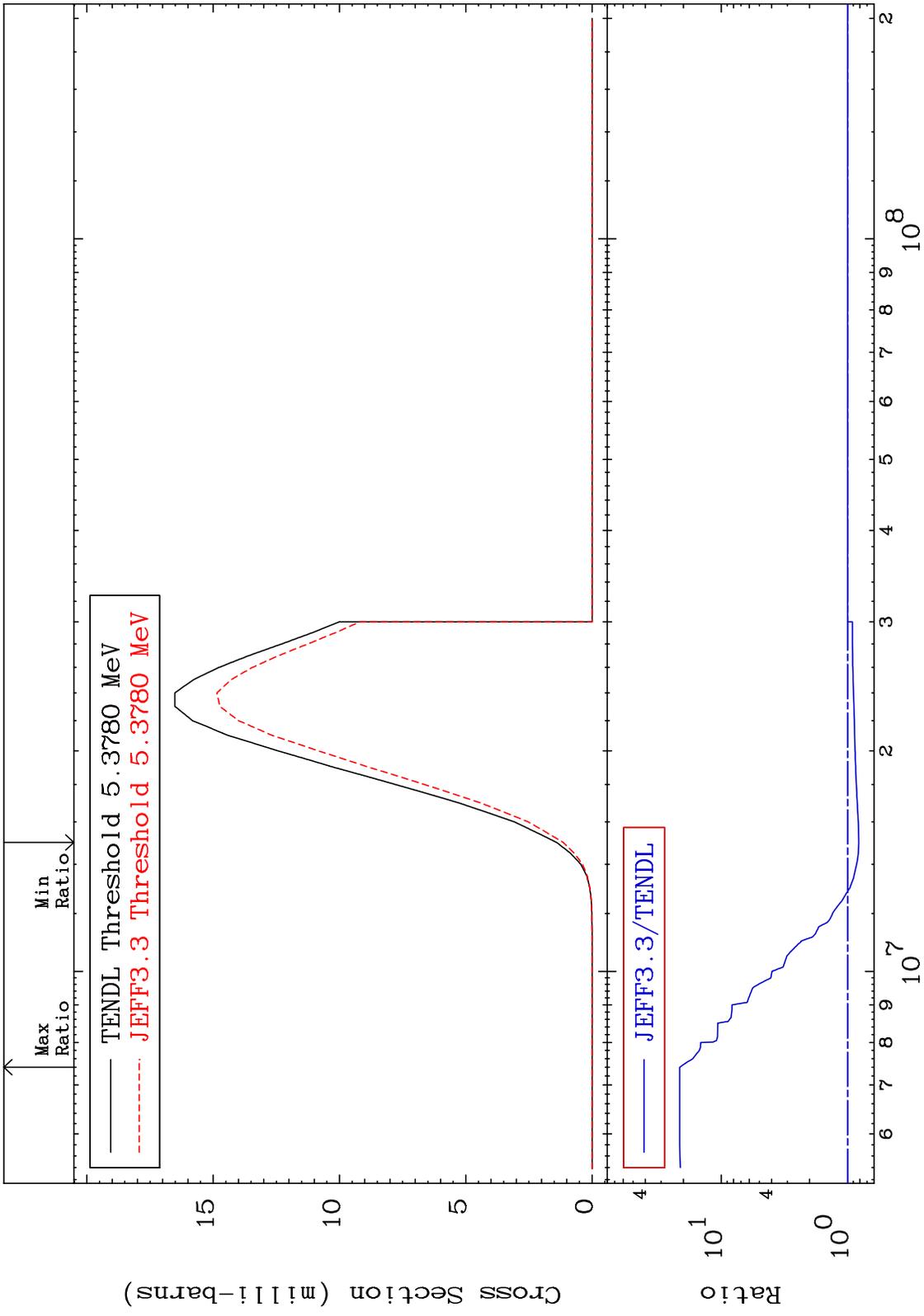
MAT 3234

Inelastic:32-Ge-73m2

32-Ge-73

Radionuclide Production Cross Section -0.194 To 0.148 %



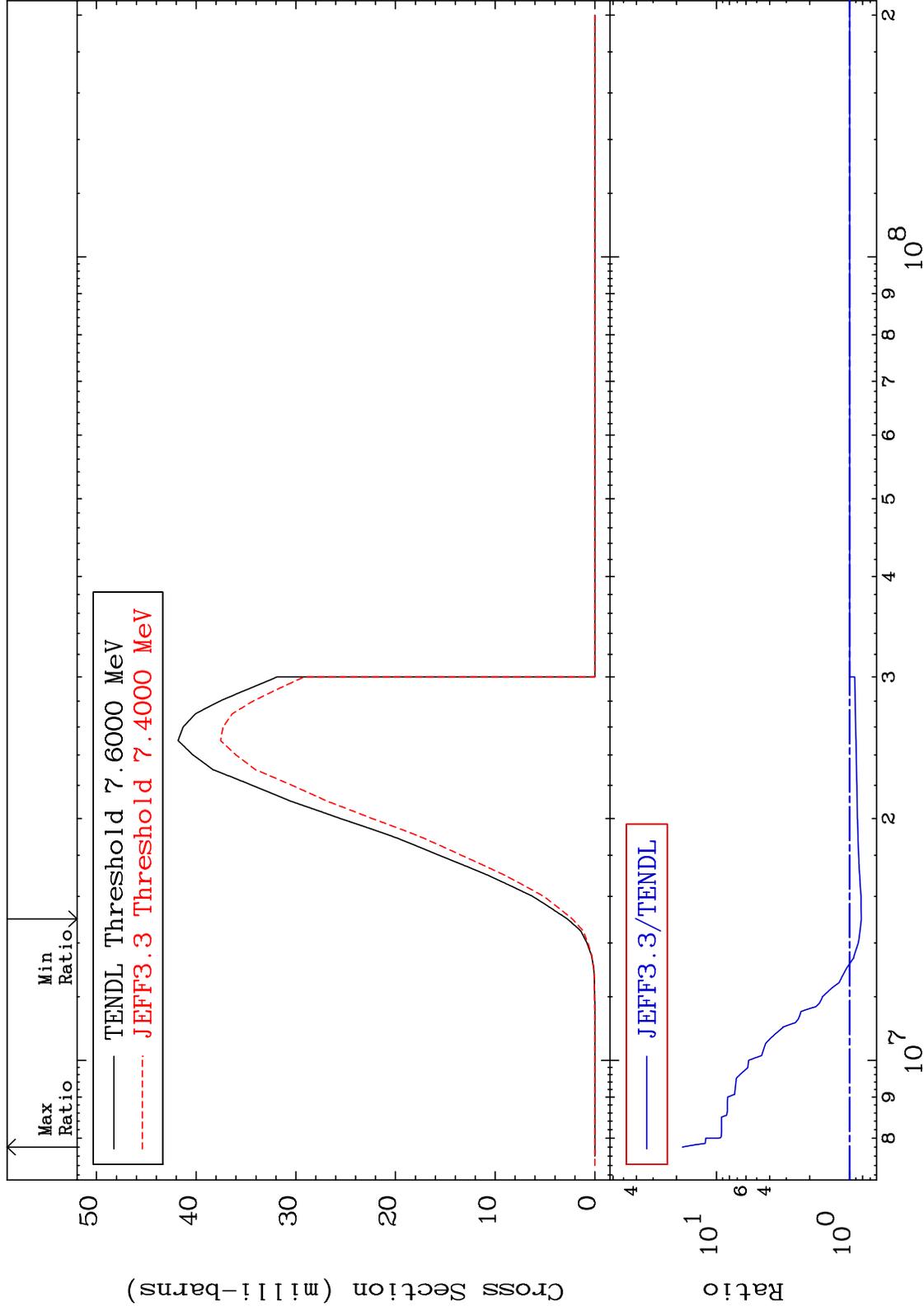


MAT 3234

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

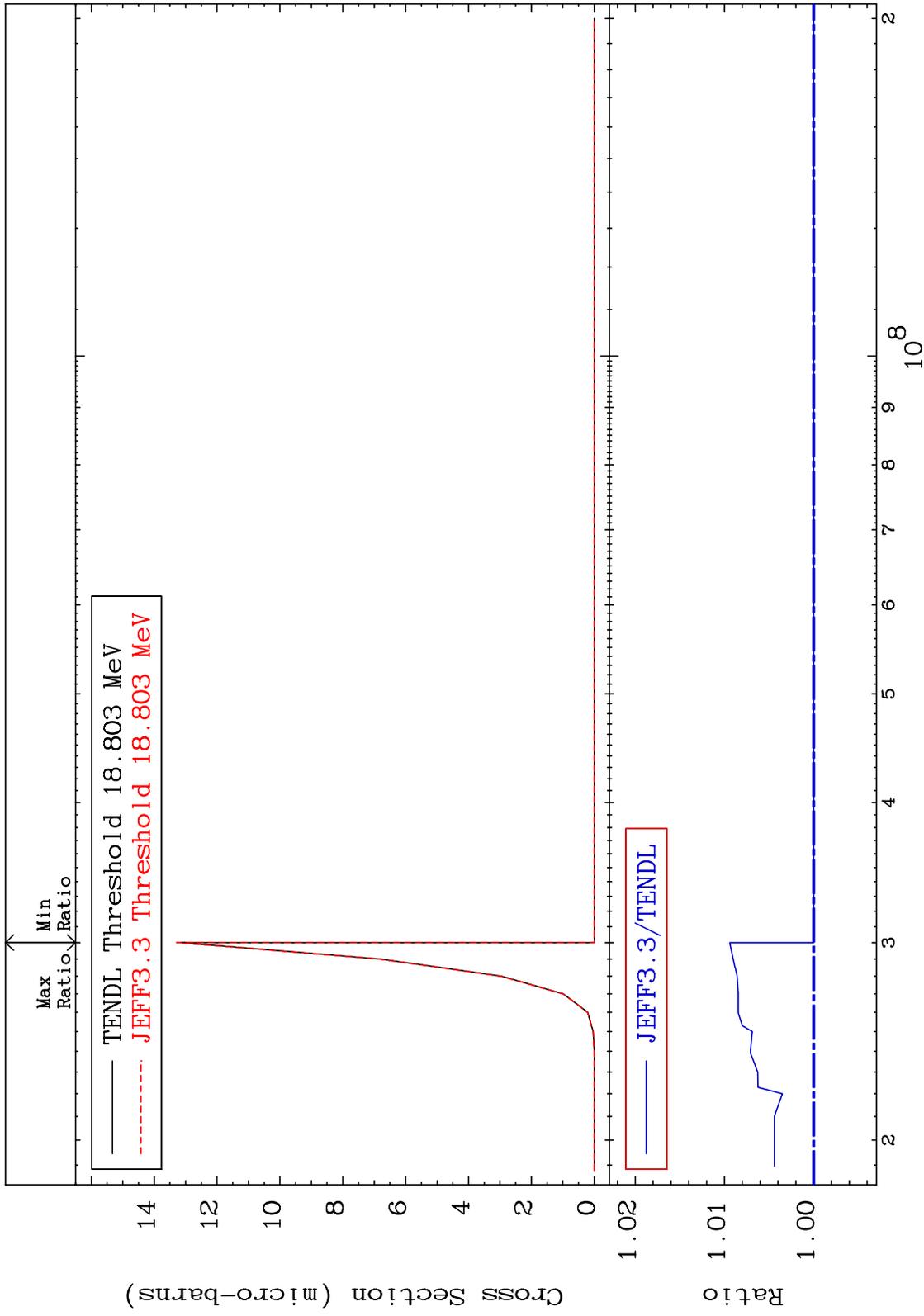
32-Ge-73

Radionuclide Production Cross Section -18.19 To 1704. %



MAT 3234

(n,2n) p:30-Zn-71g 32-Ge-73  
Radionuclide Production Cross Section 0.000 To 0.942 %

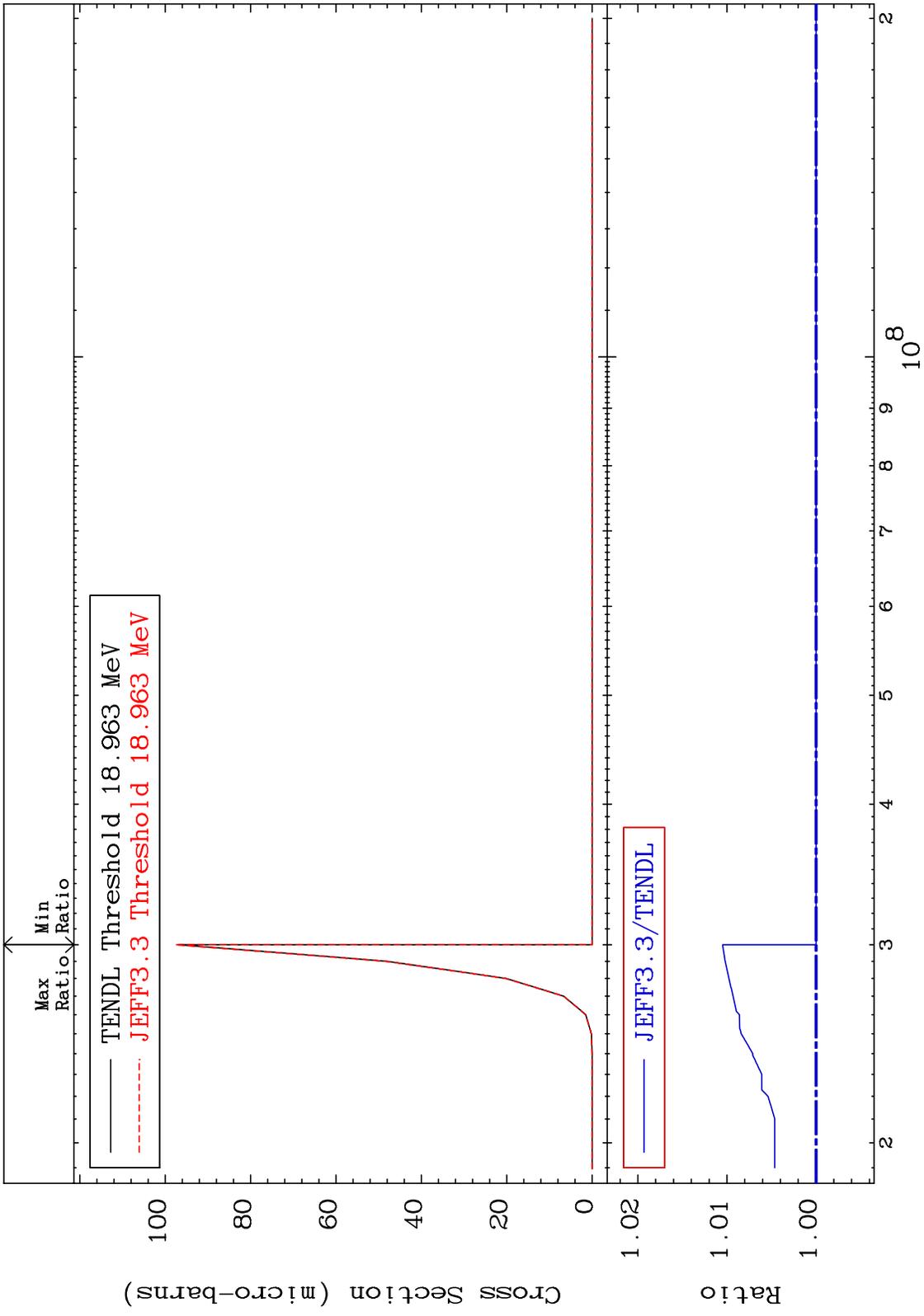


85

Incident Energy (eV)

32-Ge-73

MAT 3234 (n,2n) p:30-Zn-71m1 32-Ge-73  
 Radionuclide Production Cross Section 0.000 To 1.049 %

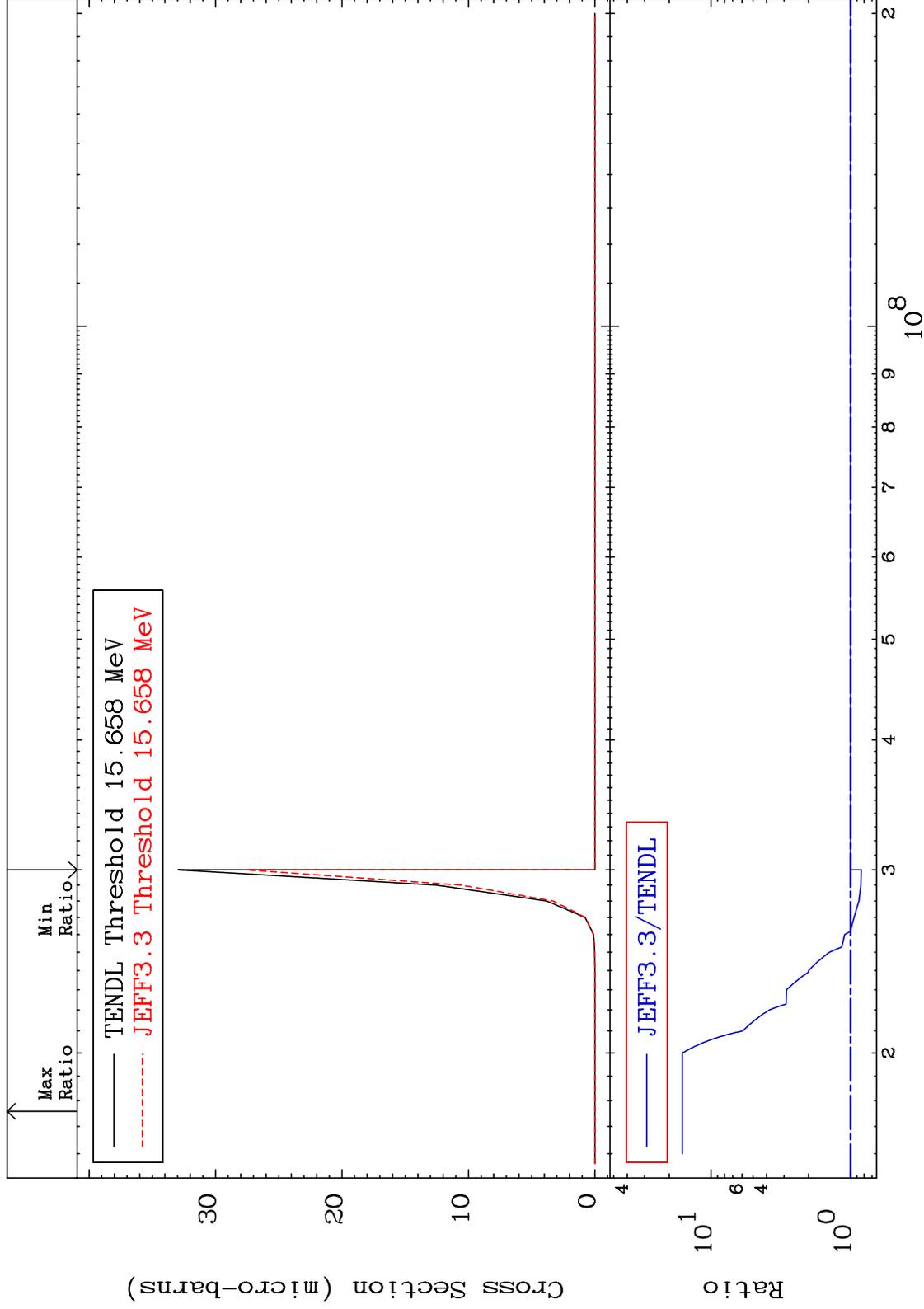


MAT 3234

(n,n') p  $\alpha$ :29-Cu-68g

32-Ge-73

Radionuclide Production Cross Section -16.36 To 1506. %



87

Incident Energy (eV)

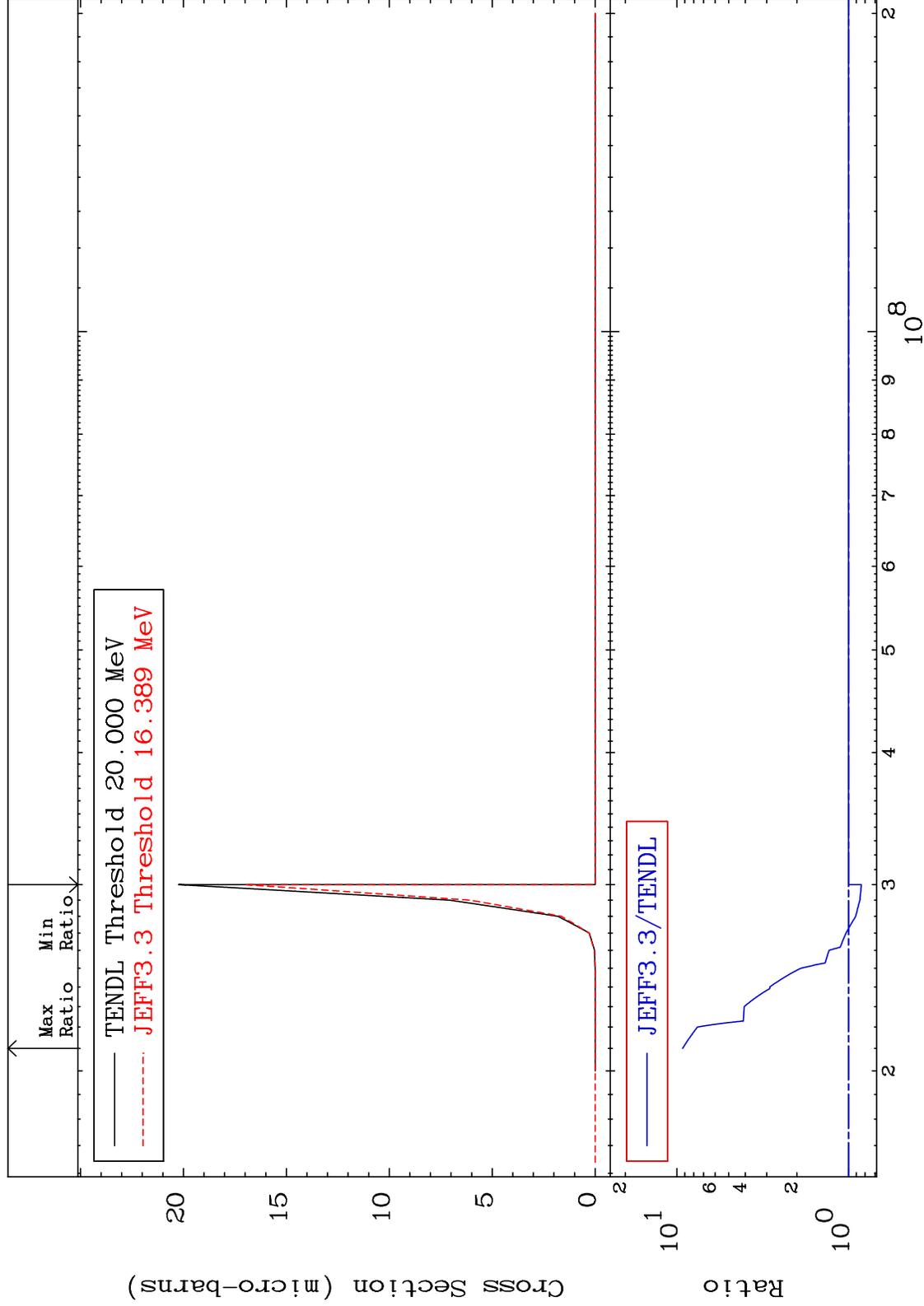
32-Ge-73

MAT 3234

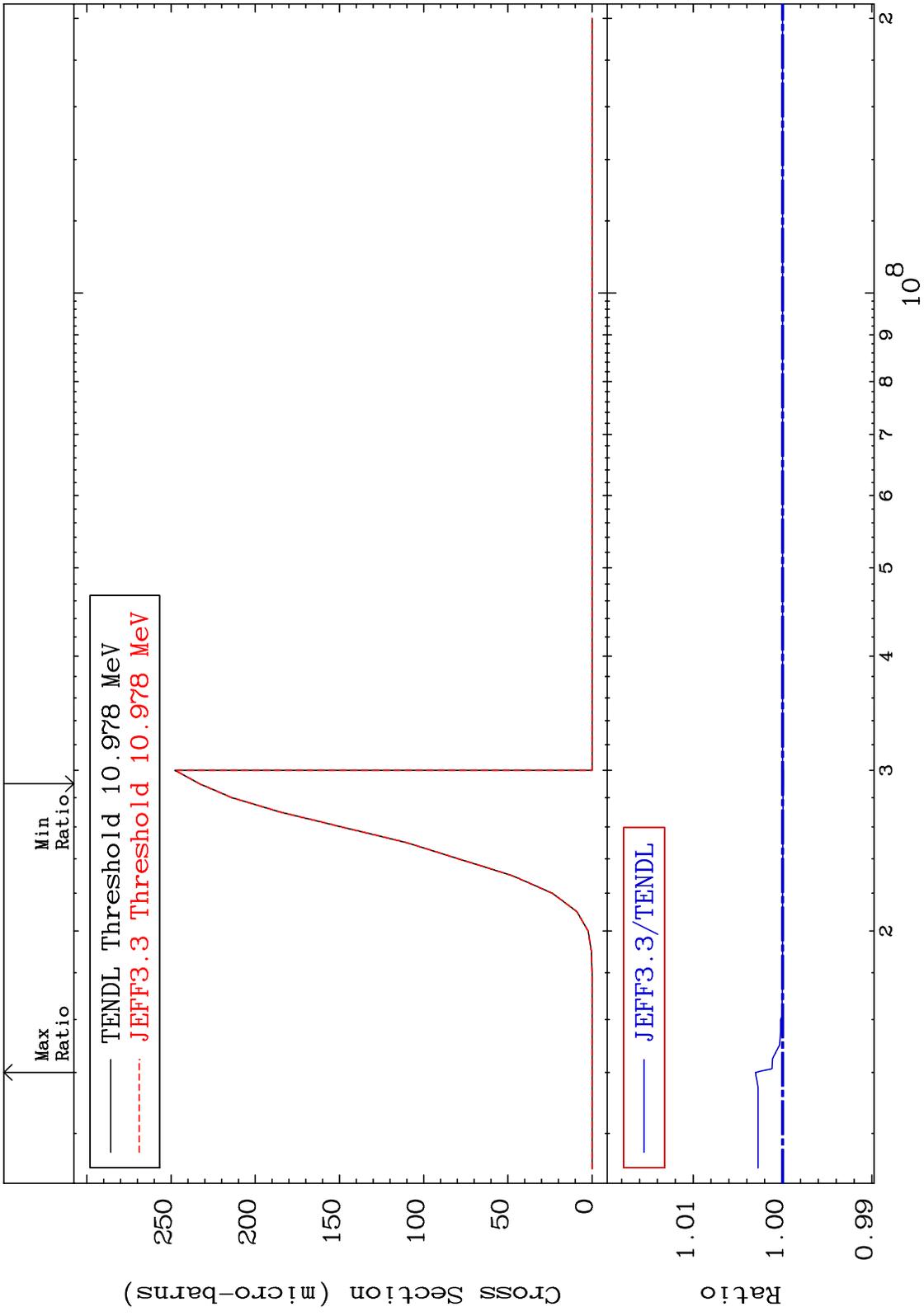
(n,n') p  $\alpha$ :29-Cu-68m3

32-Ge-73

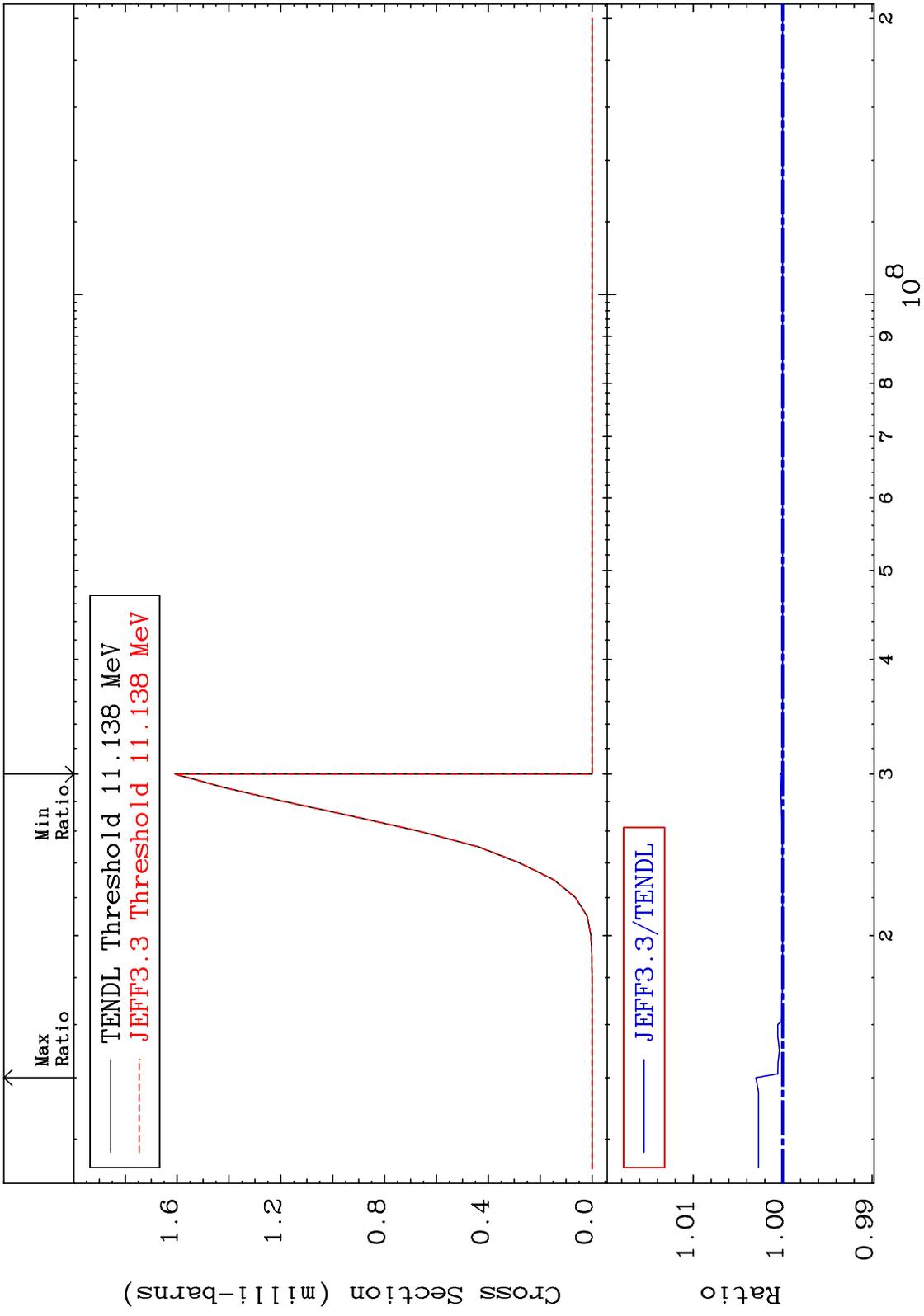
Radionuclide Production Cross Section -15.87 To 827.0 %



MAT 3234 (n,He-3):30-Zn-71g 32-Ge-73  
 Radionuclide Production Cross Section -0.007 To 0.304 %



MAT 3234 (n, He-3) : 30-Zn-71m1 32-Ge-73  
 Radionuclide Production Cross Section 0.000 To 0.299 %

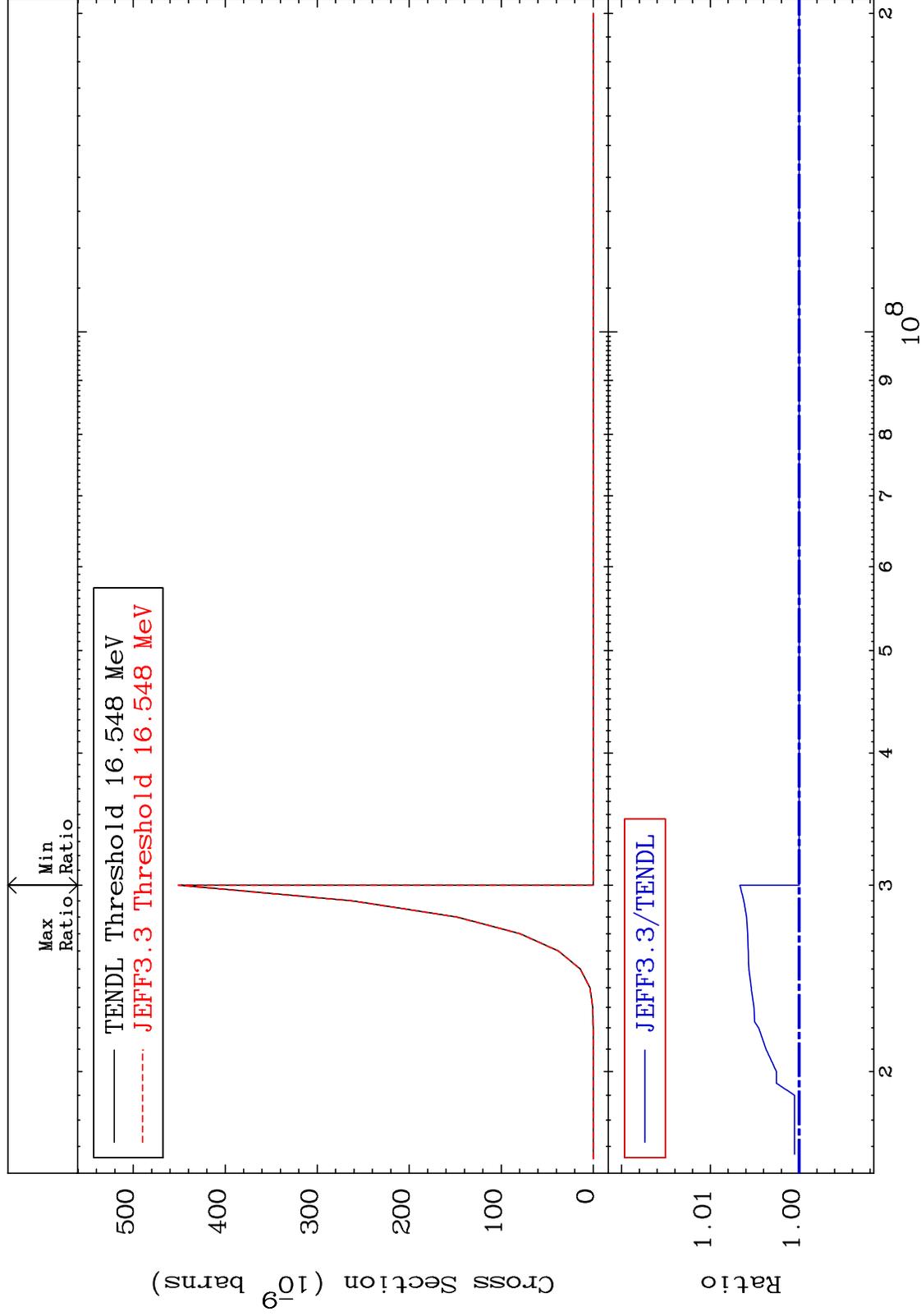


MAT 3234

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

32-Ge-73

Radionuclide Production Cross Section 0.000 To 0.667 %

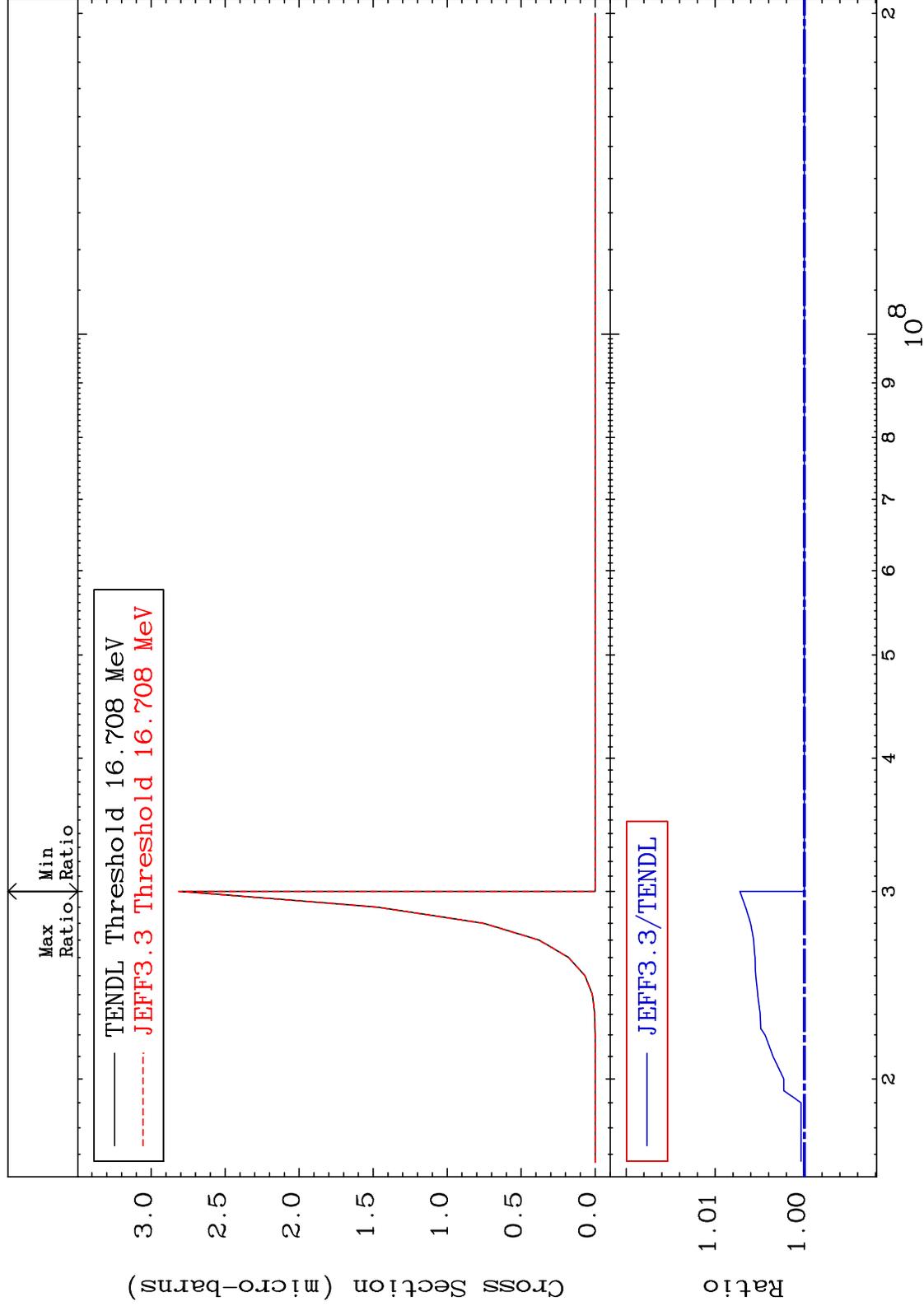


MAT 3234

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

32-Ge-73

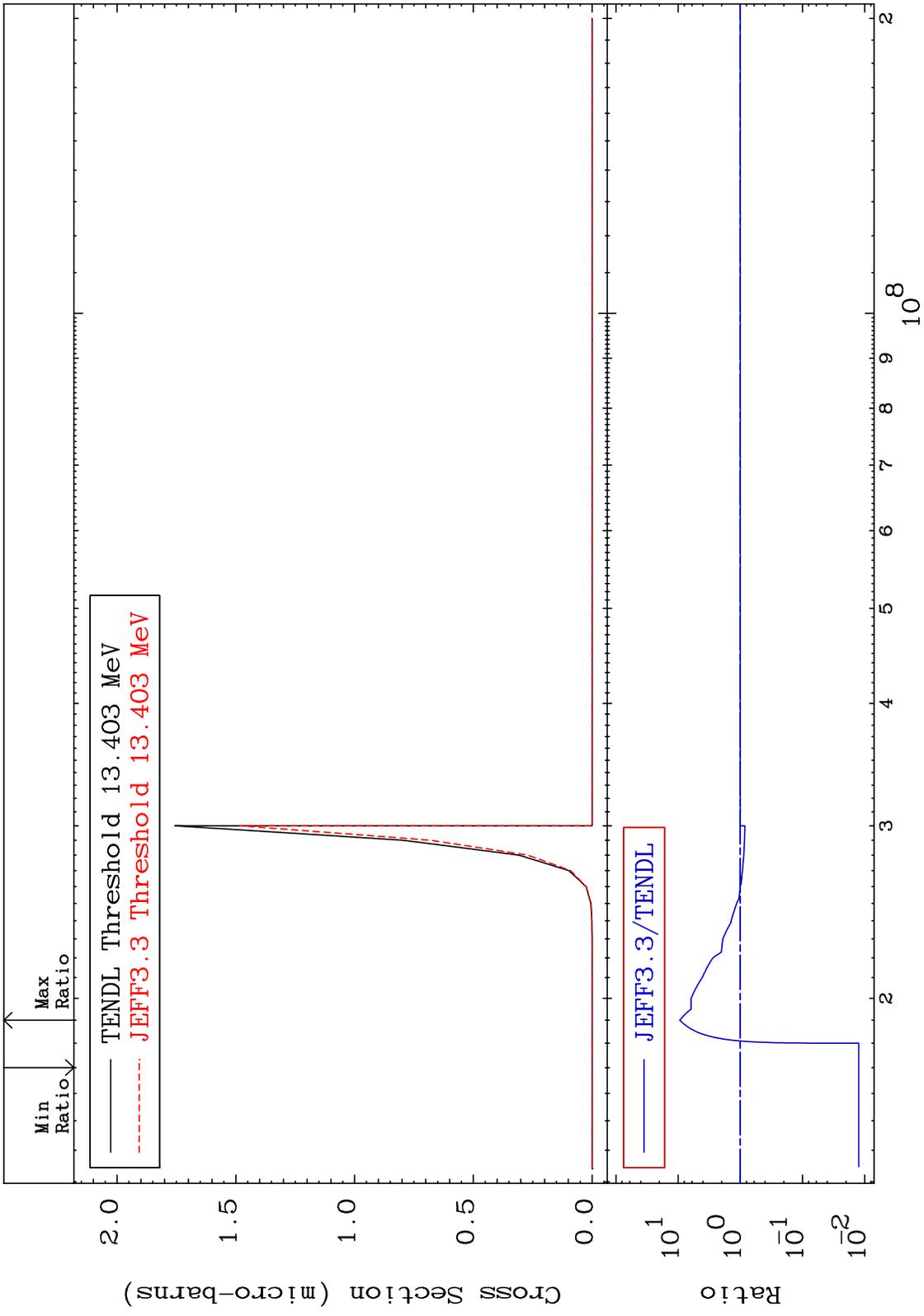
Radionuclide Production Cross Section 0.000 To 0.723 %



92

Incident Energy (eV)

32-Ge-73



MAT 3234

(n, d)  $\alpha$ :29-Cu-68m3

32-Ge-73

Radionuclide Production Cross Section -14.44 To 978.6 %

