

Program Complot  
(Version 2021-1)

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  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

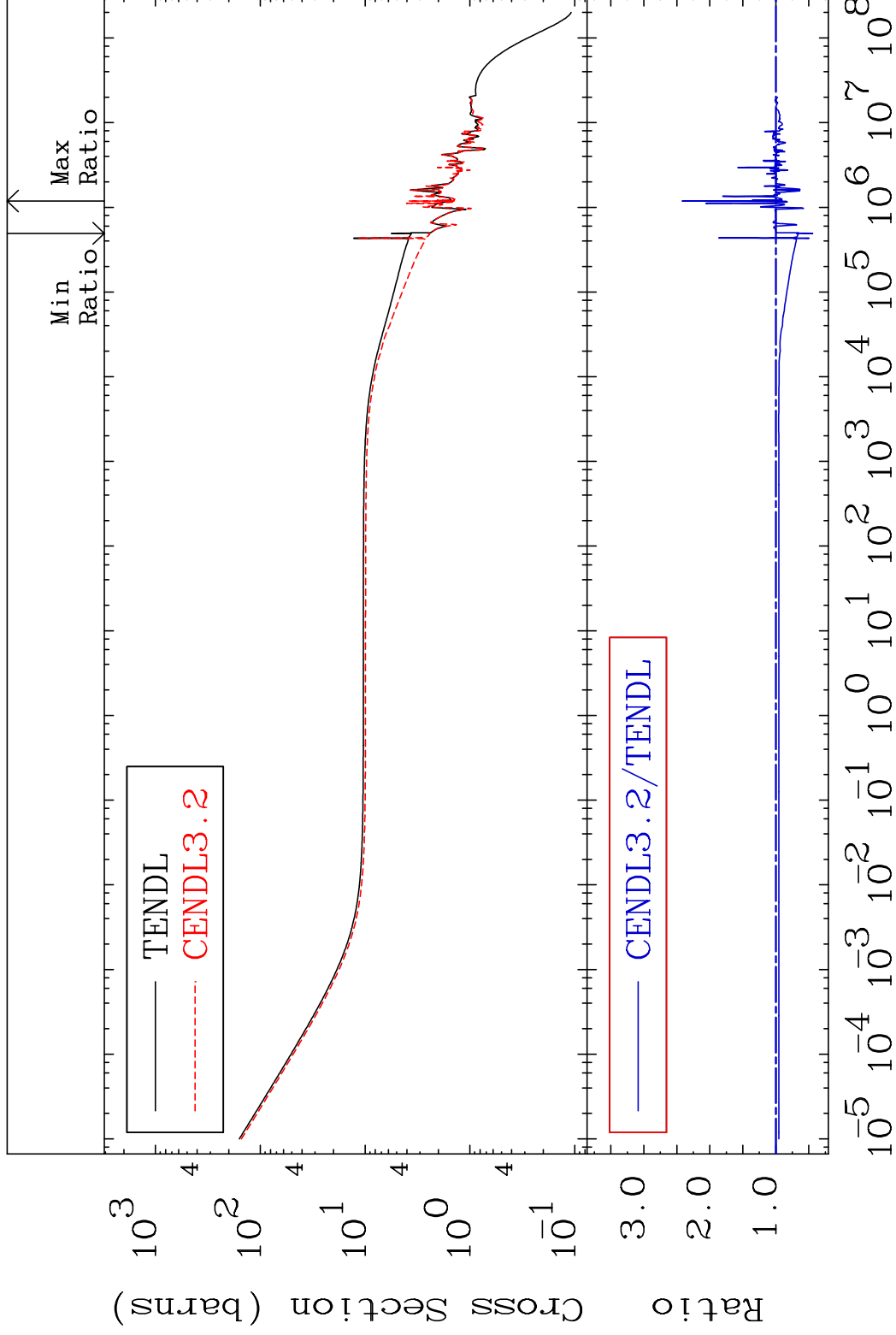


MAT 725

Elastic

7-N -14

Cross Section -55.73 To 141.6 %

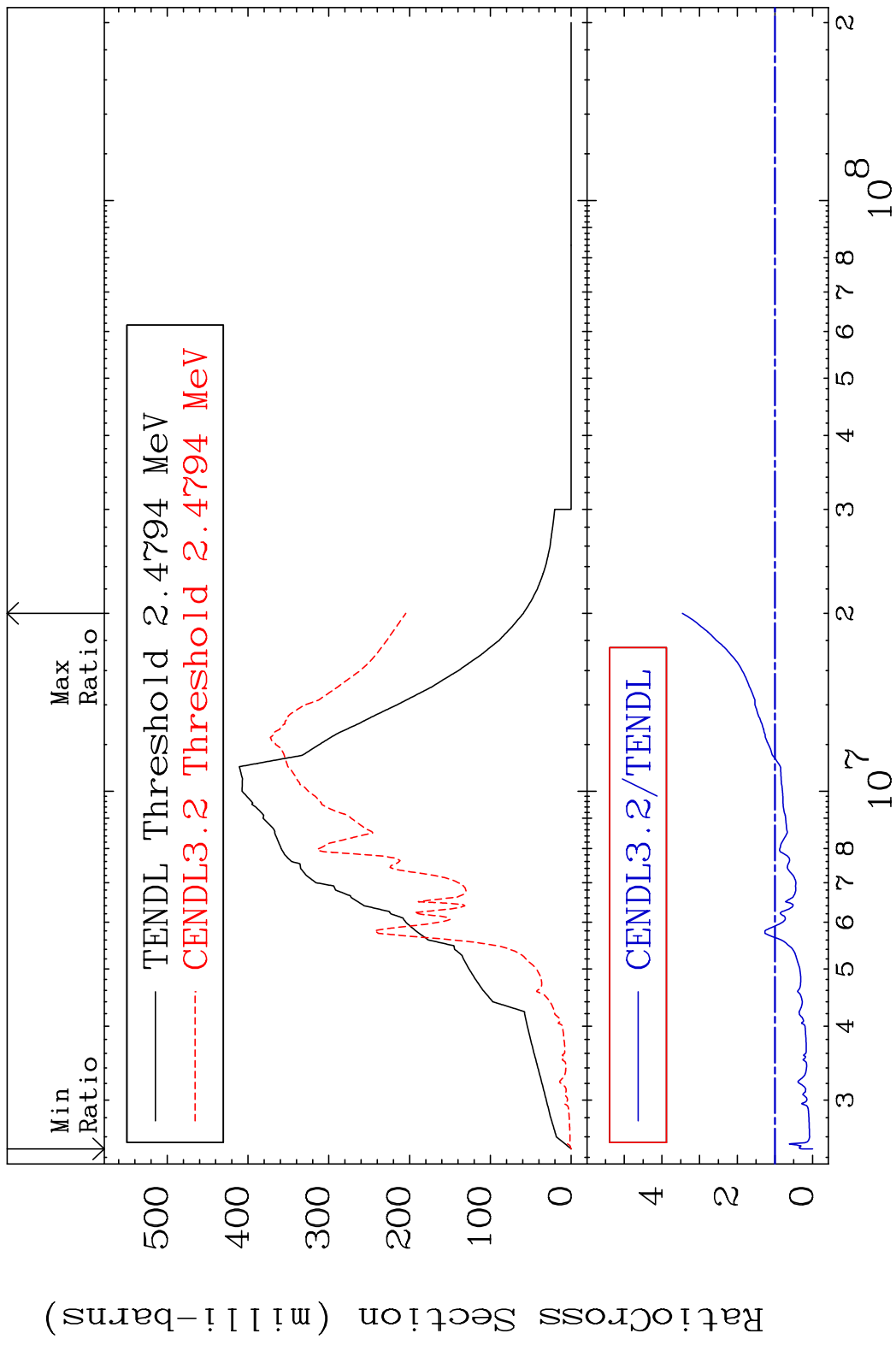


2

Incident Energy (eV)

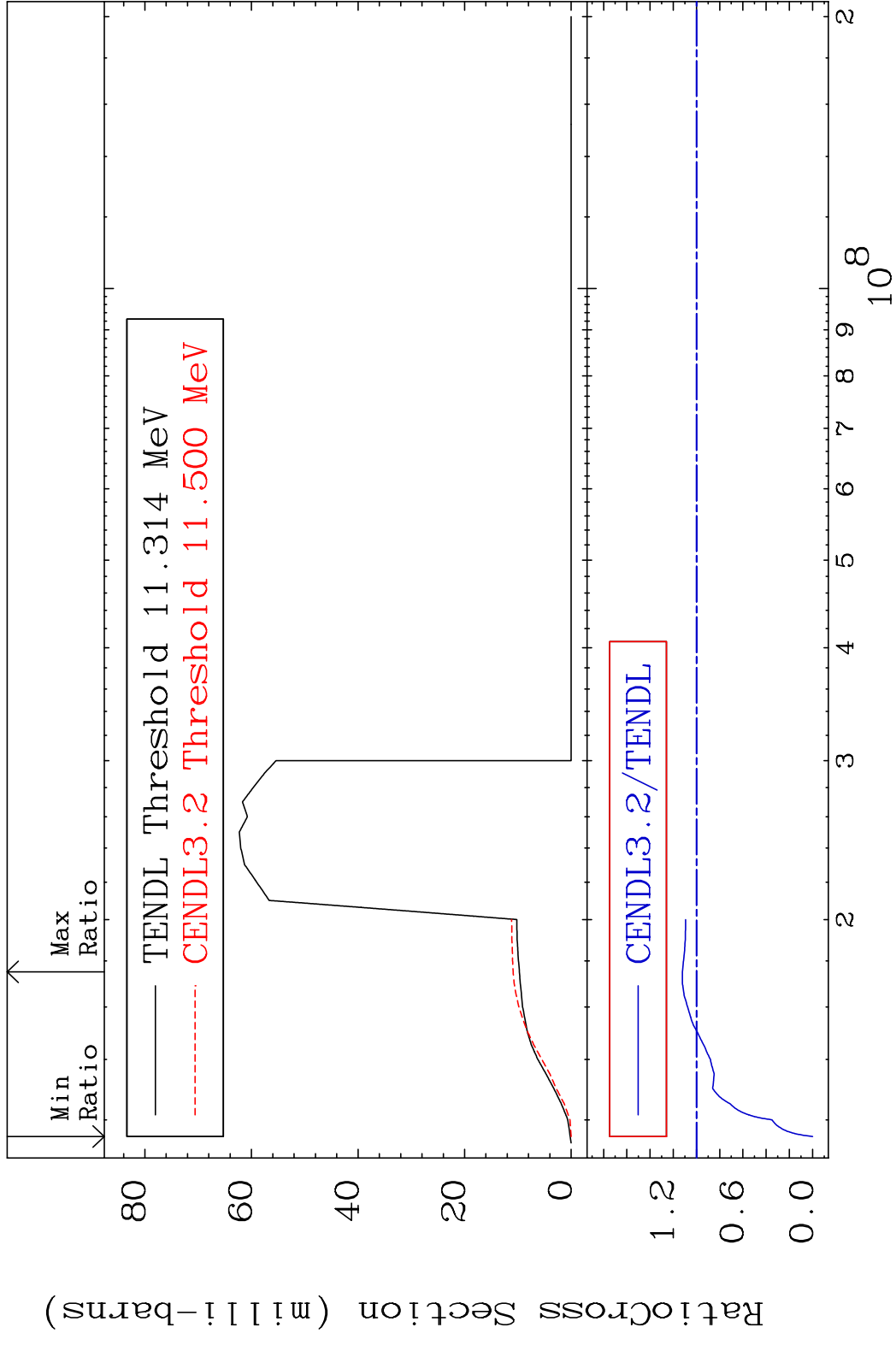
7-N -14

MAT 725 Inelastic Cross Section -100.0 To 245.8 % 7-N -14

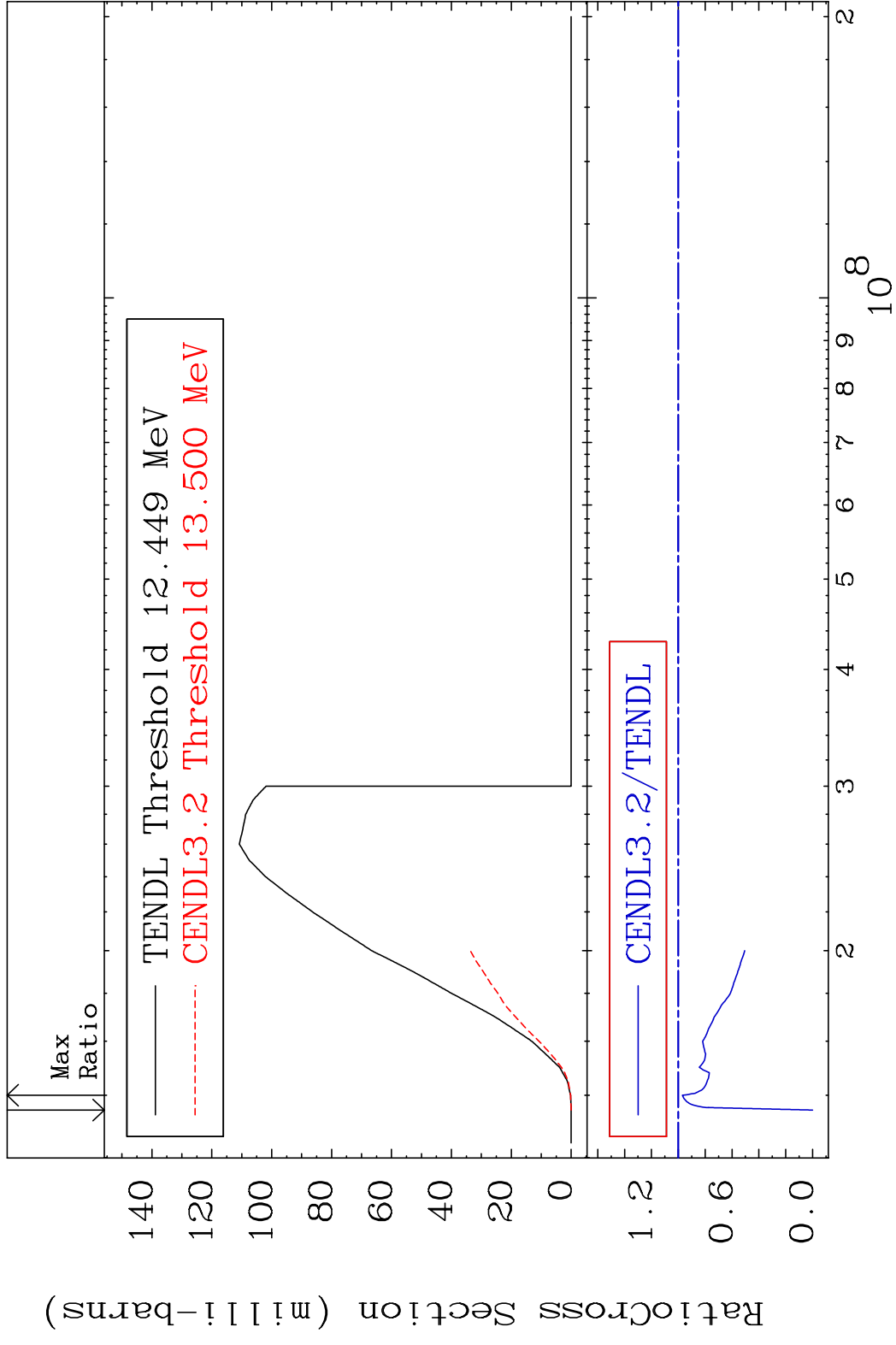


3 3 Incident Energy (eV) 7-N -14

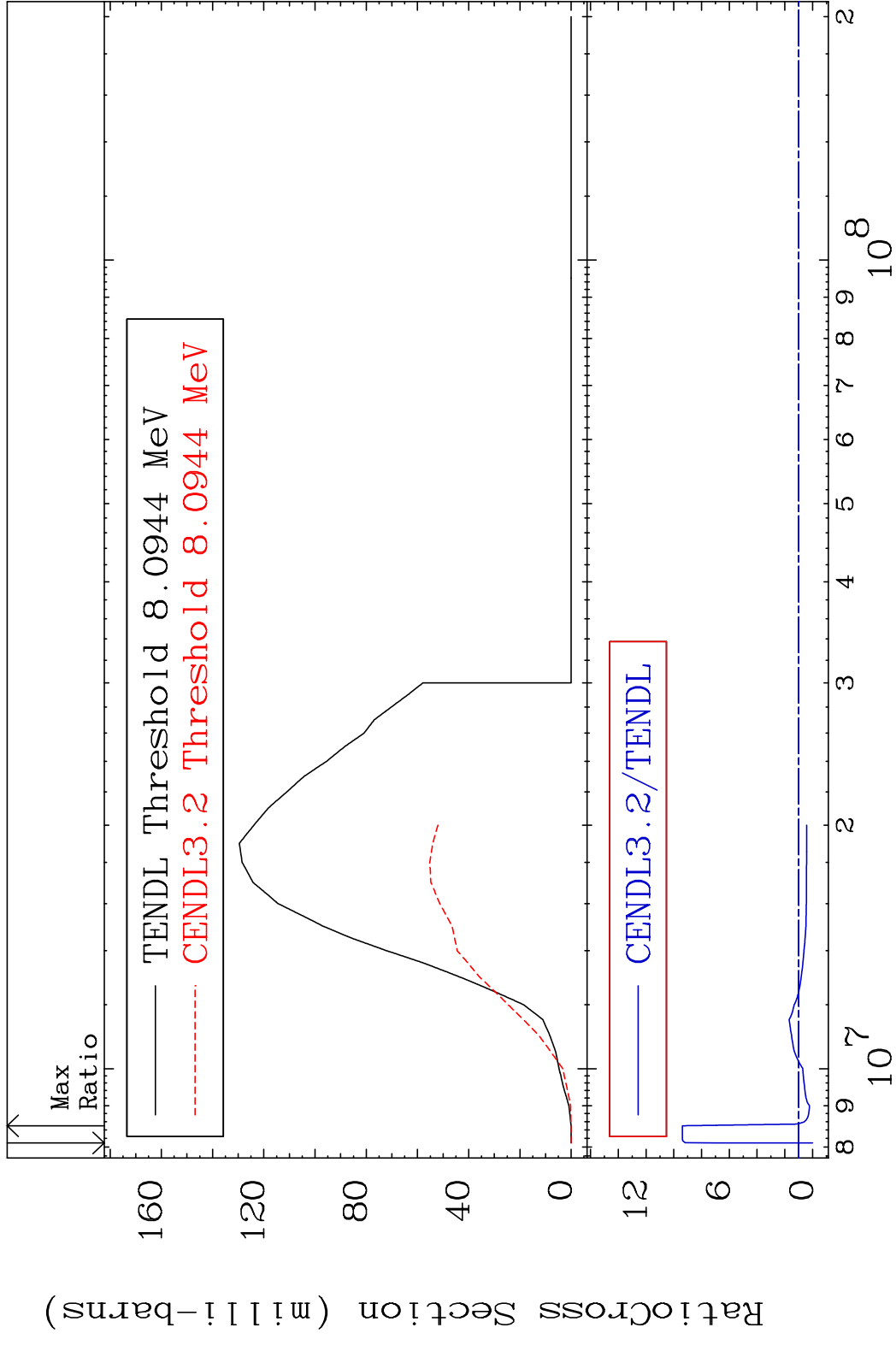
MAT 725 (n,2n) 7-N -14  
 Cross Section -100.0 To 12.17 %



MAT 725 (n, n')  $\alpha$  7-N -14  
 Cross Section -100.0 To -3.018%

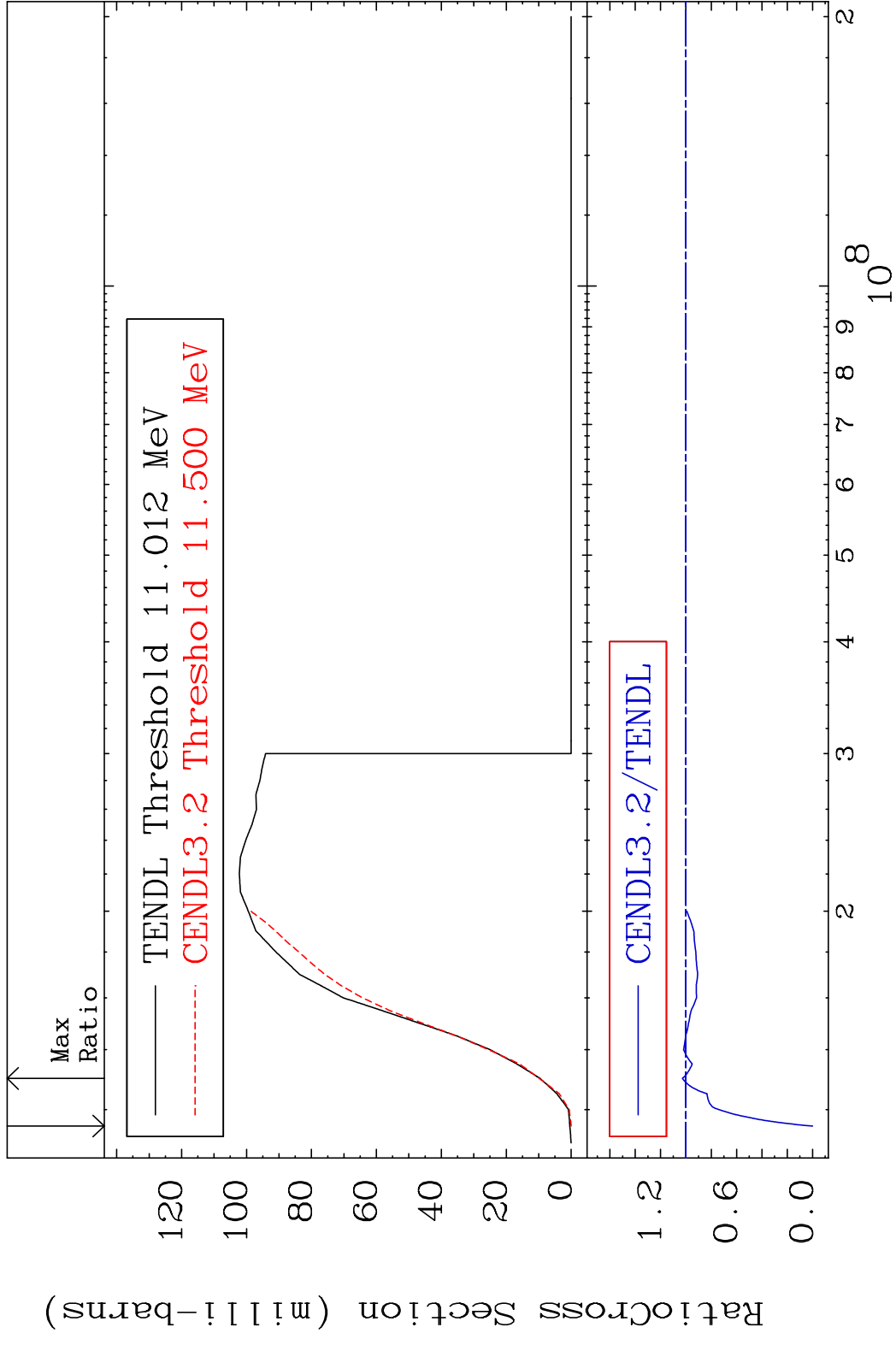


MAT 725 (n, n') p 7-N -14  
 Cross Section -100.0 To 838.4 %

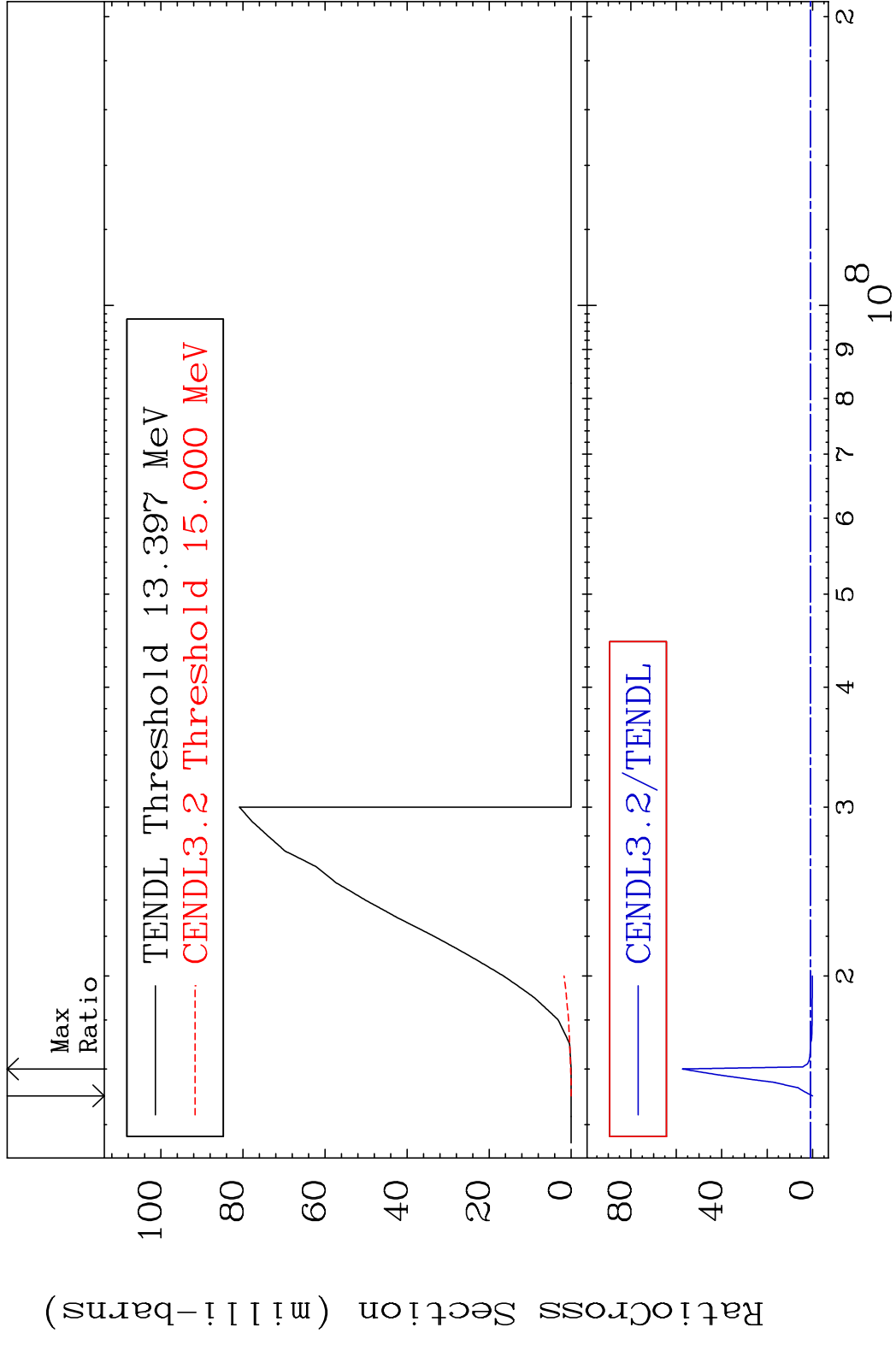


6 8 9 10 2 3 4 5 6 7 8 9 10 8 7-N -14

MAT 725 (n, n') d 7-N -14  
 Cross Section -100.0 To 2.807 %

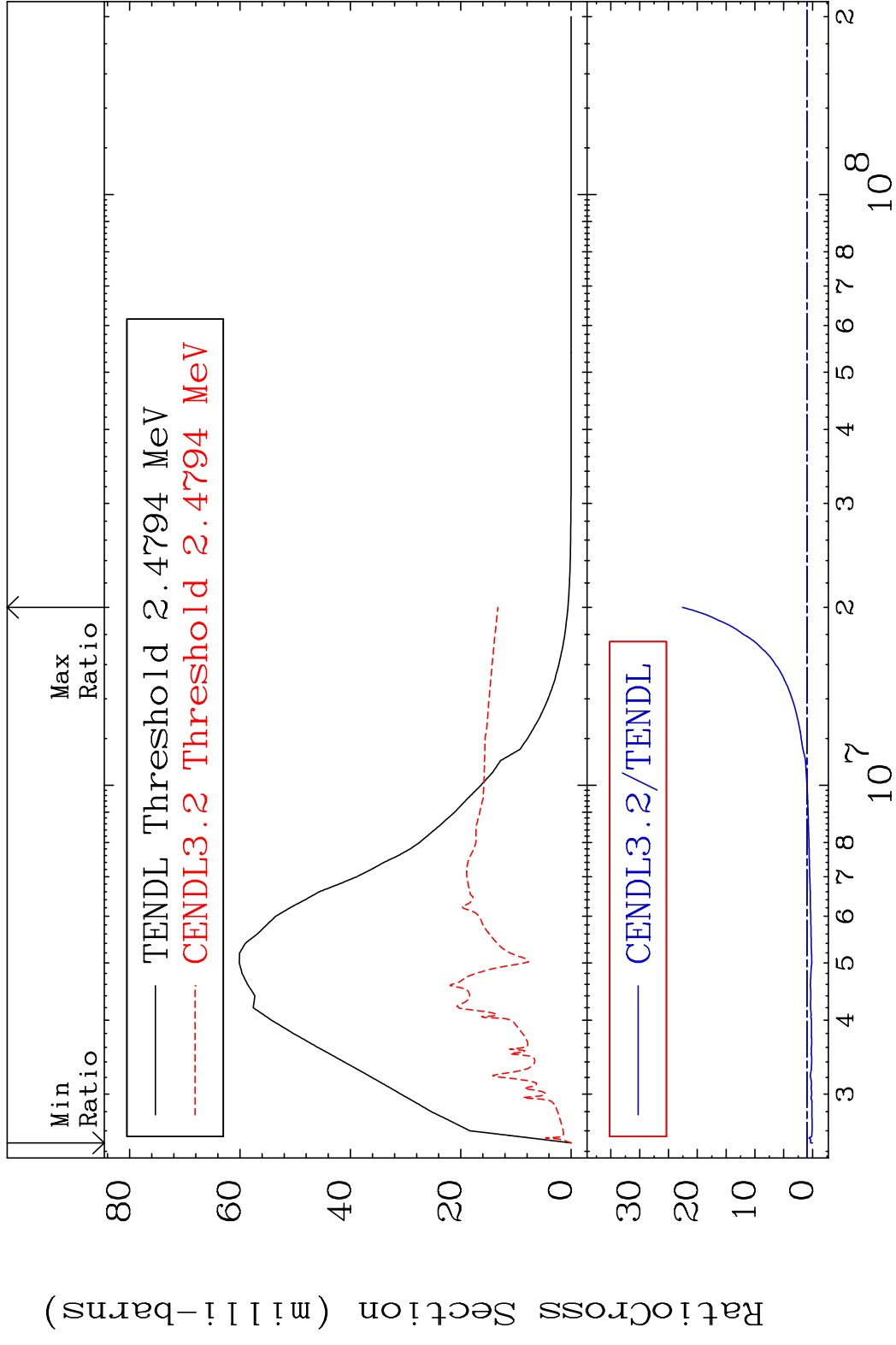


MAT 725 (n,2n) p 7-N -14  
 Cross Section -100.0 To 5633. %

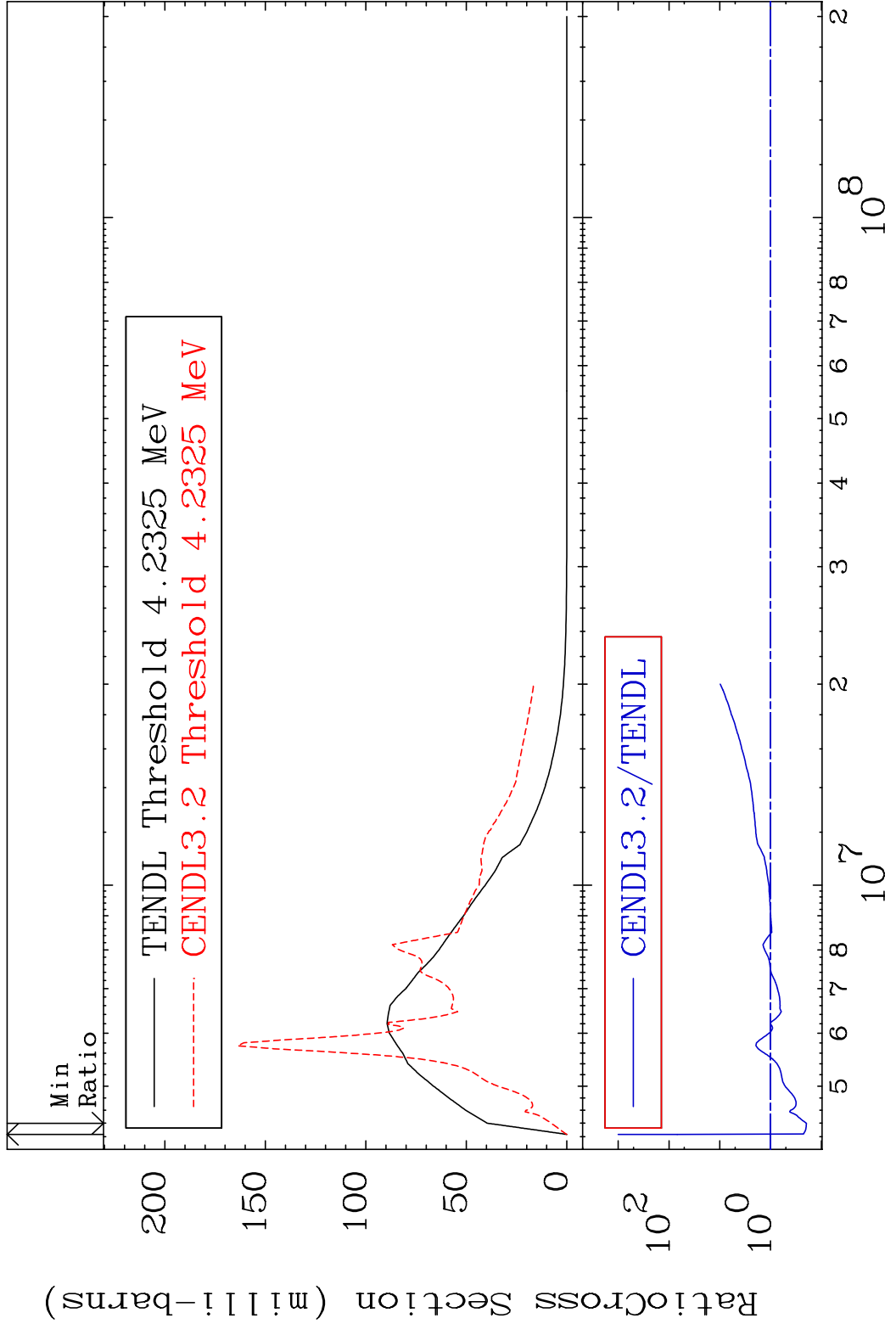


8 Incident Energy (eV) 7-N -14

MAT 725 MT= 51 (n, n') Level 7-N -14  
 Cross Section -100.0 To 2159. %

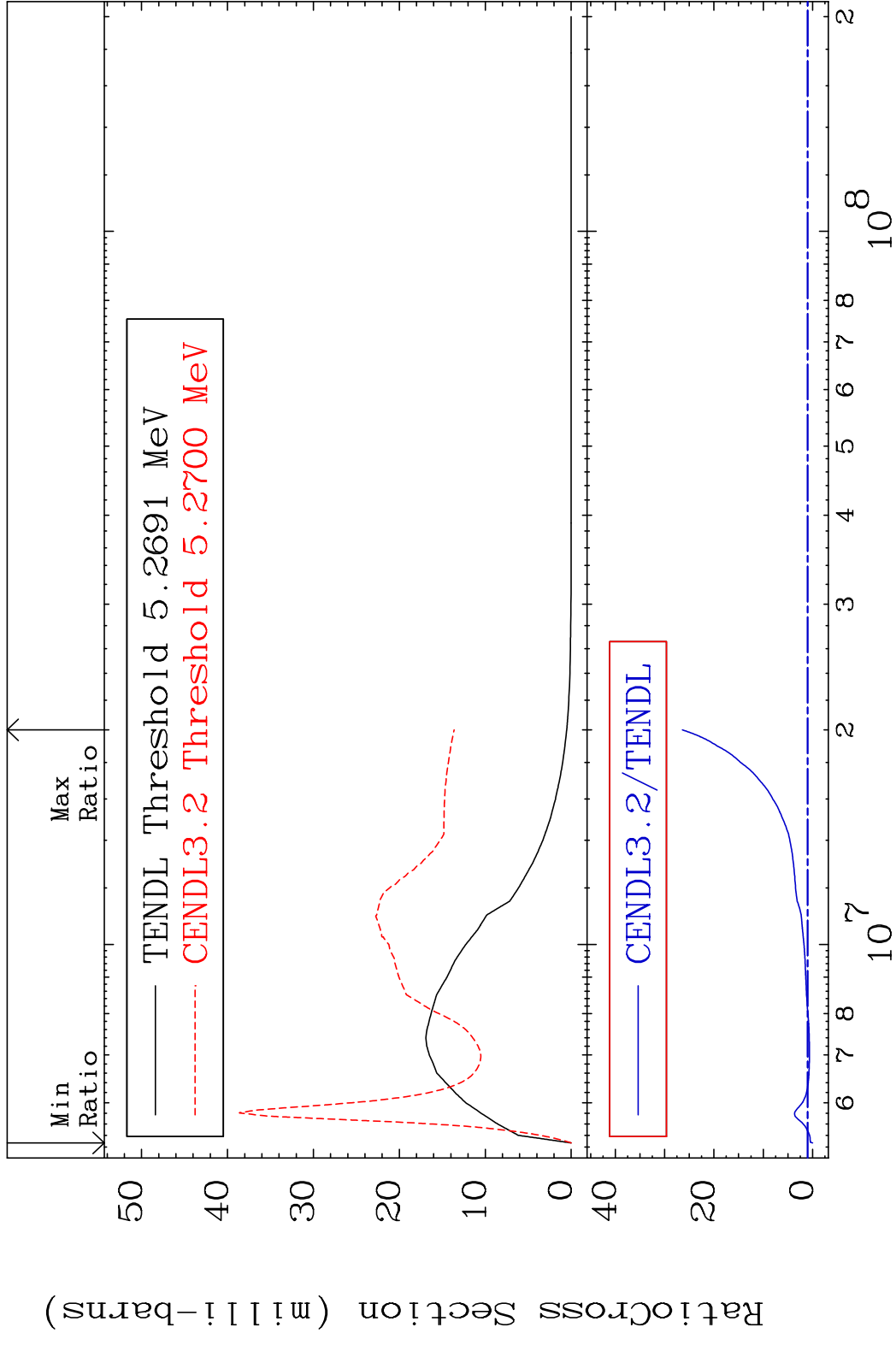


MAT 725 MT= 52 (n, n') Level 7-N -14  
 Cross Section -80.31 To 6787. %

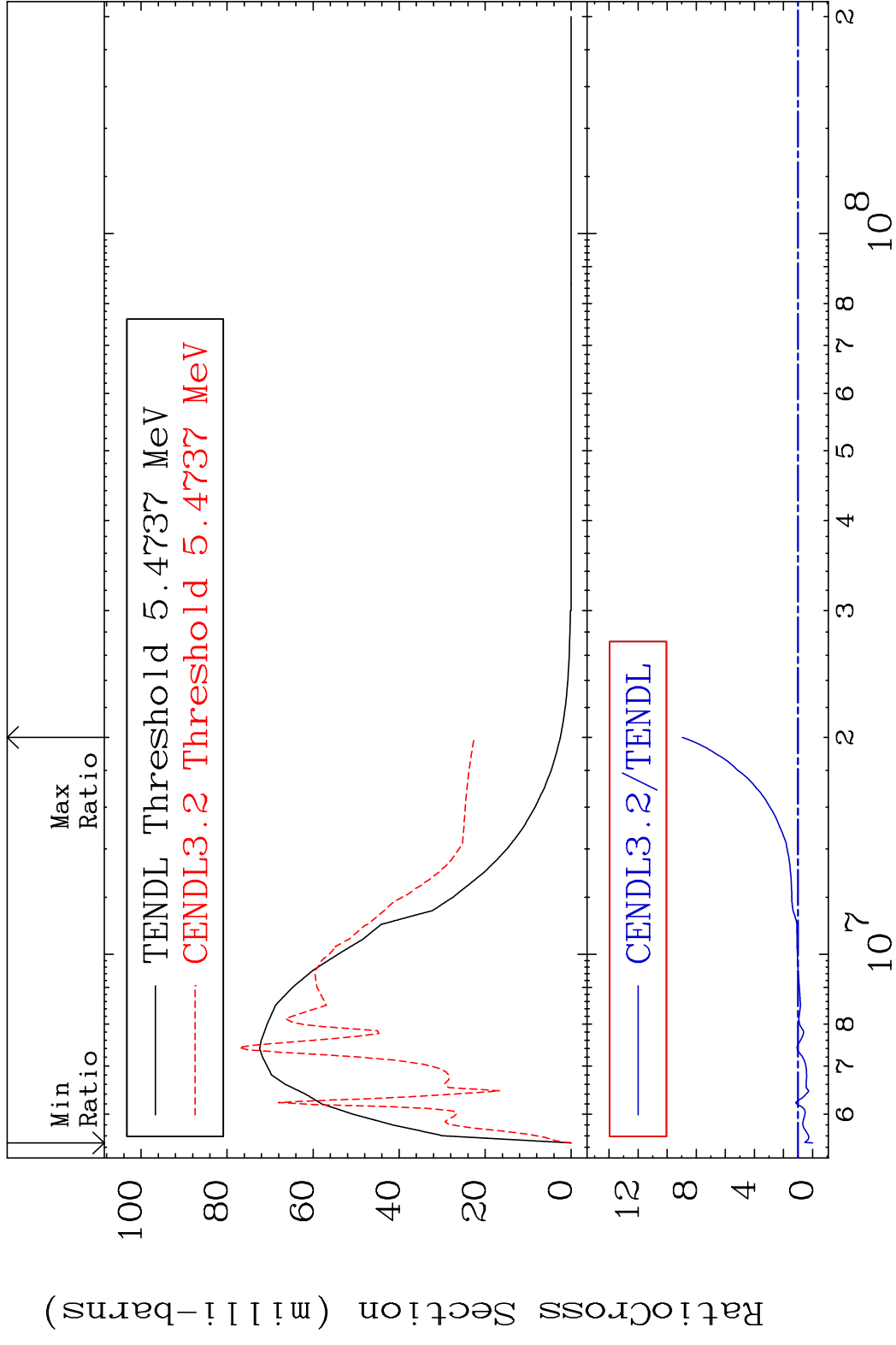


10 Incident Energy (eV) 7-N -14

MAT 725 MT= 53 (n, n') Level 7-N -14  
 Cross Section -100.0 To 2541. %

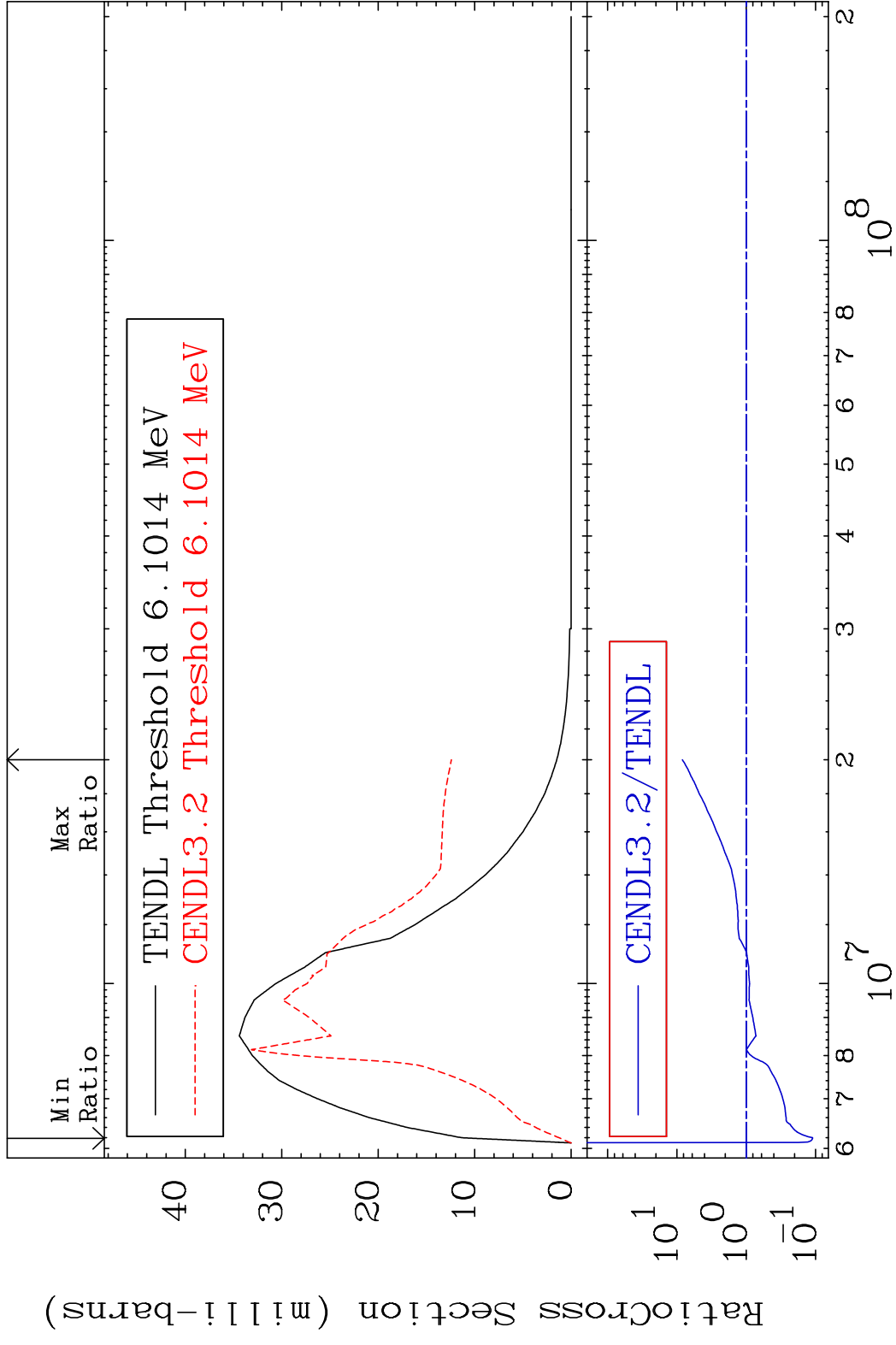


MAT 725 MT= 54 (n,n') Level 7-N -14  
 Cross Section -100.0 To 795.6 %

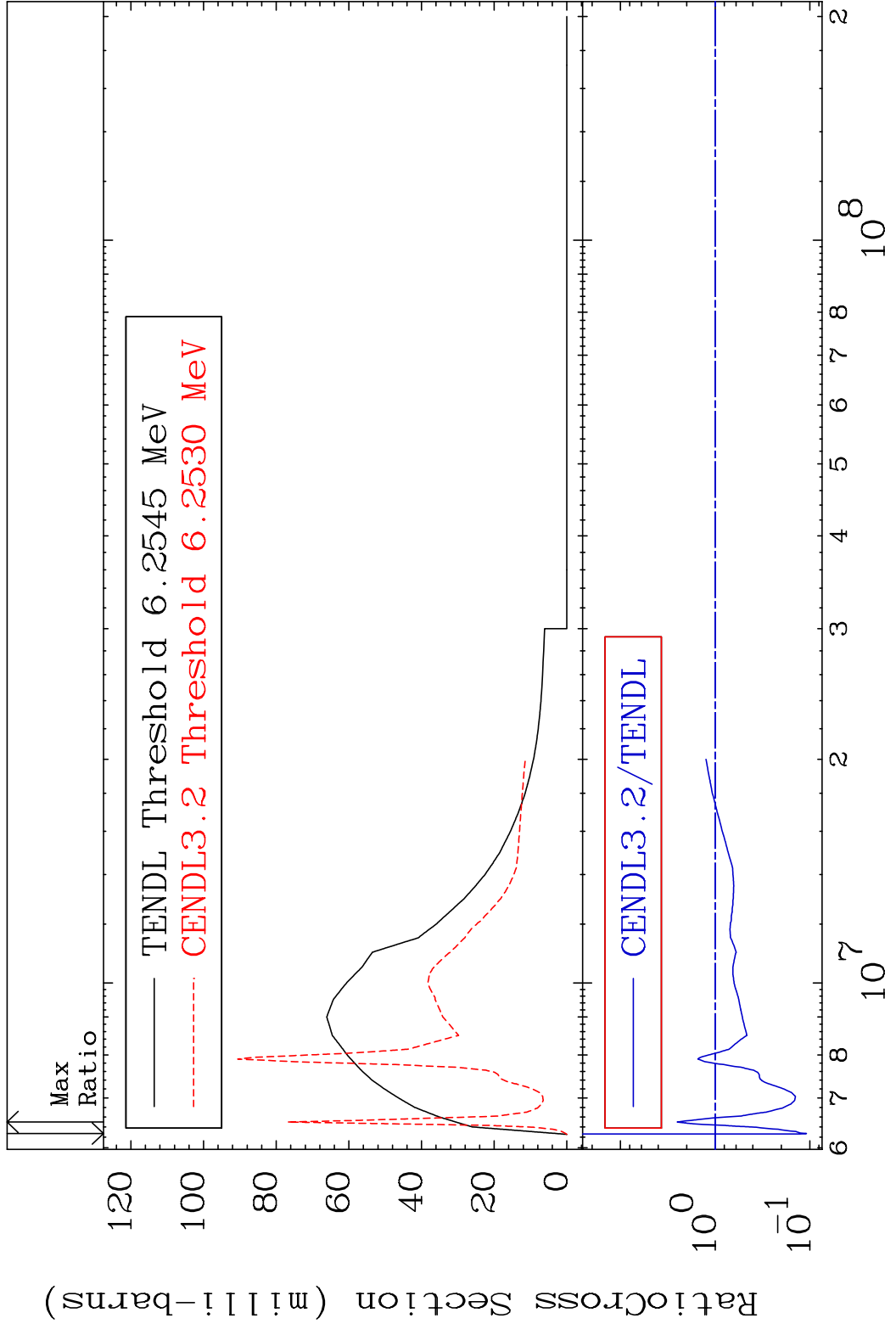


12 Incident Energy (eV) 7-N -14

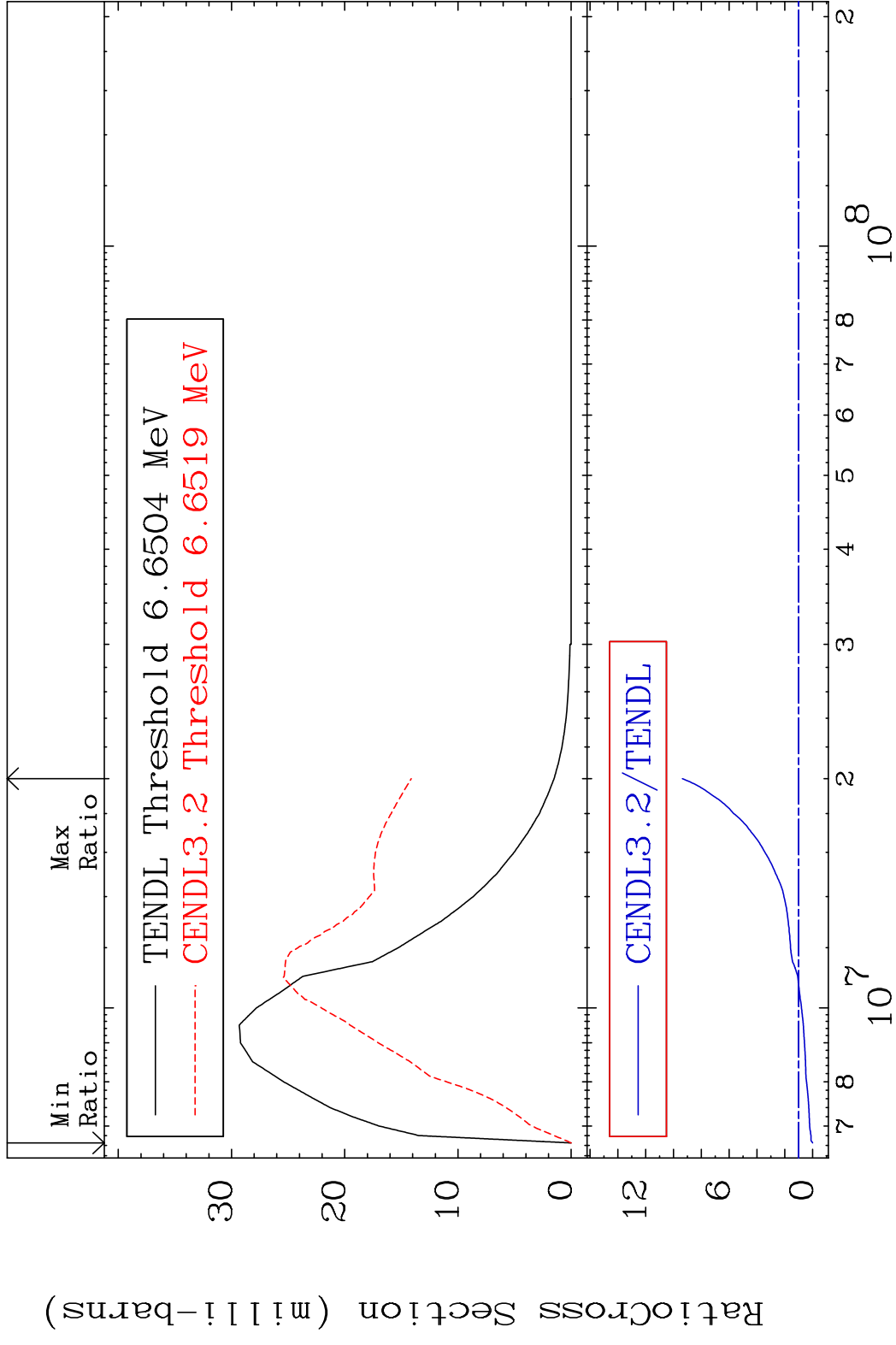
MAT 725 MT= 55 (n, n') Level 7-N -14  
 Cross Section -88.97 To 734.5 %



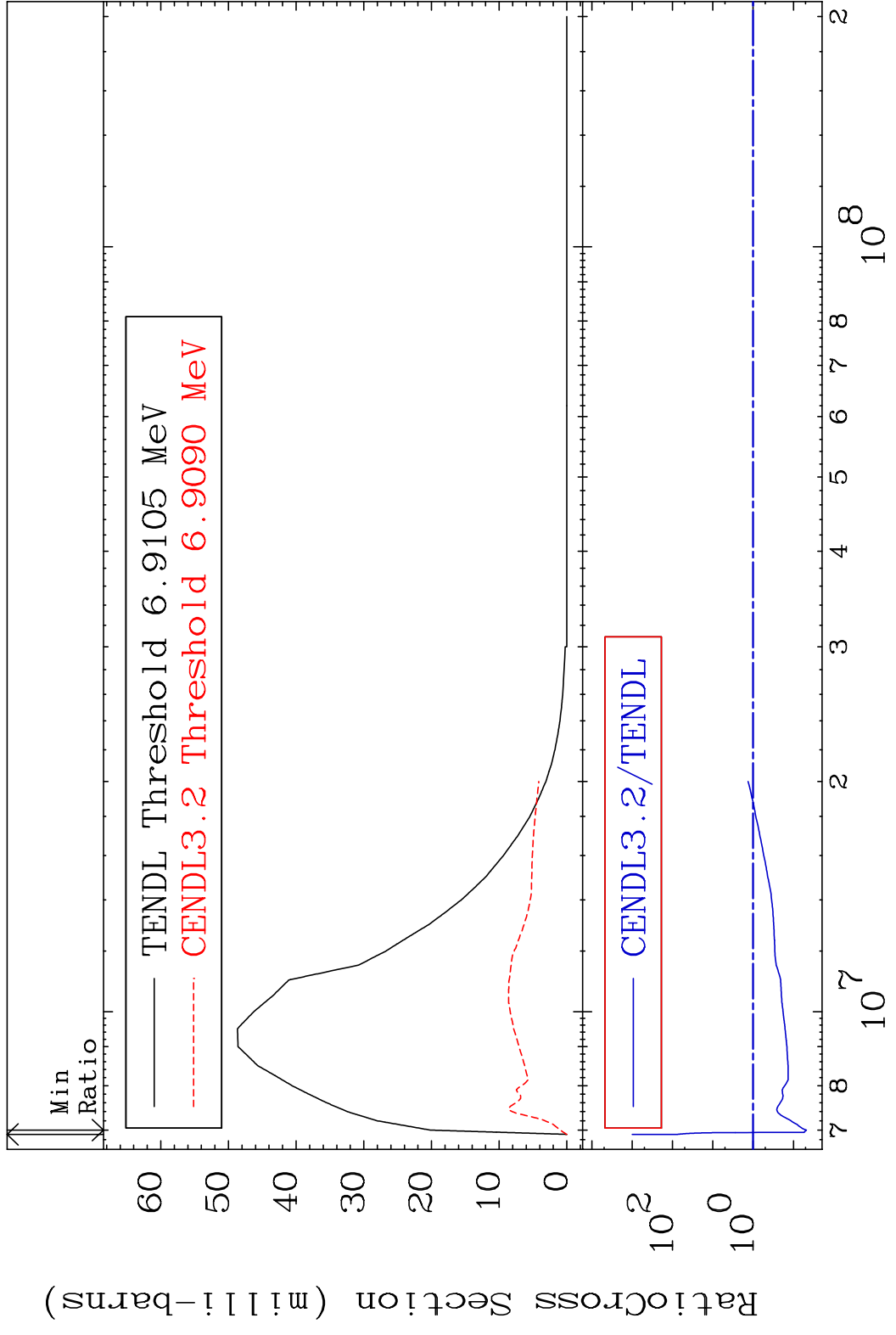
MAT 725 MT= 56 (n,n') Level 7-N -14  
 Cross Section -89.14 To 151.9 %



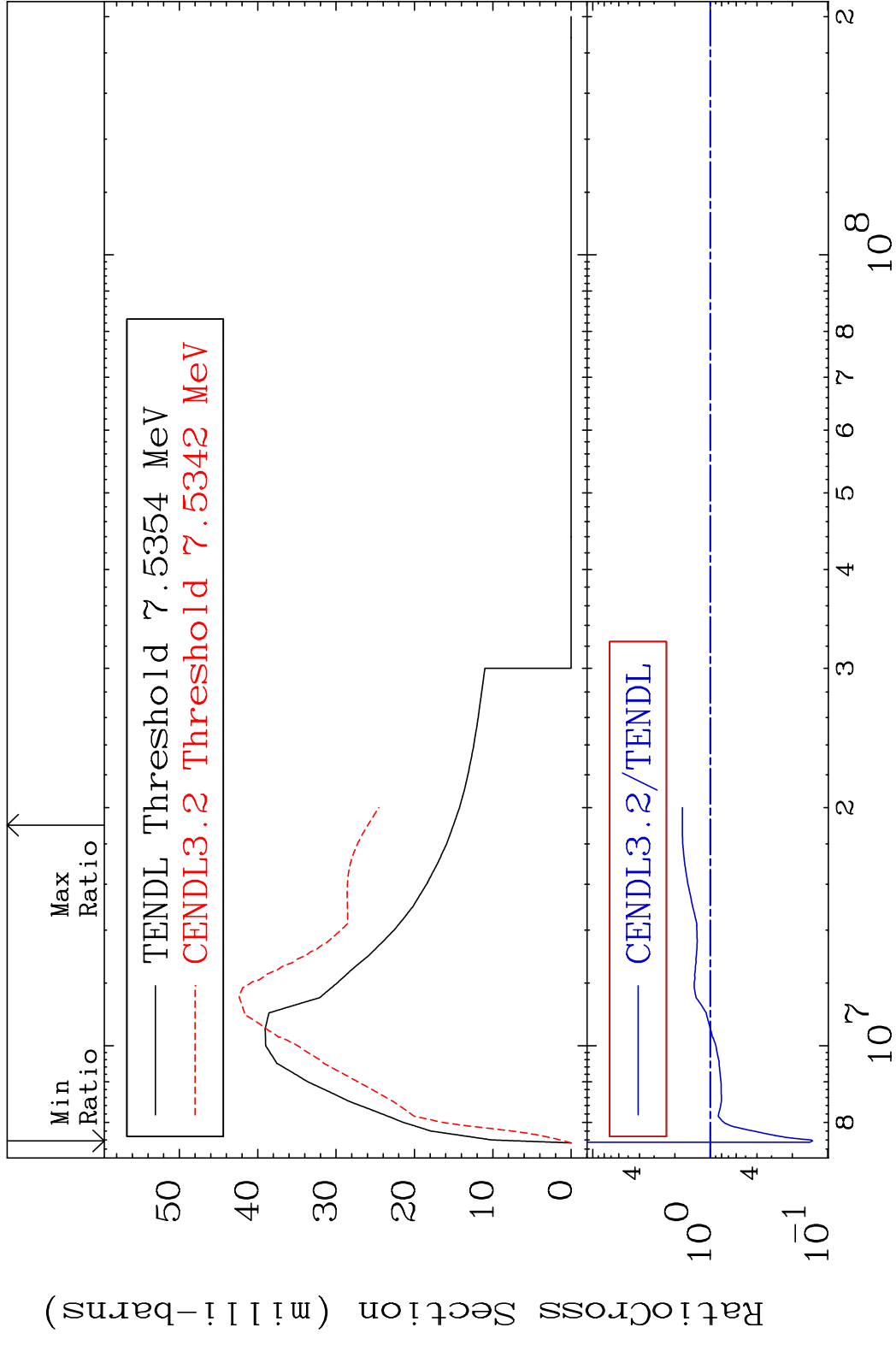
MAT 725 MT= 57 (n, n') Level 7-N -14  
 Cross Section -100.0 To 836.3 %



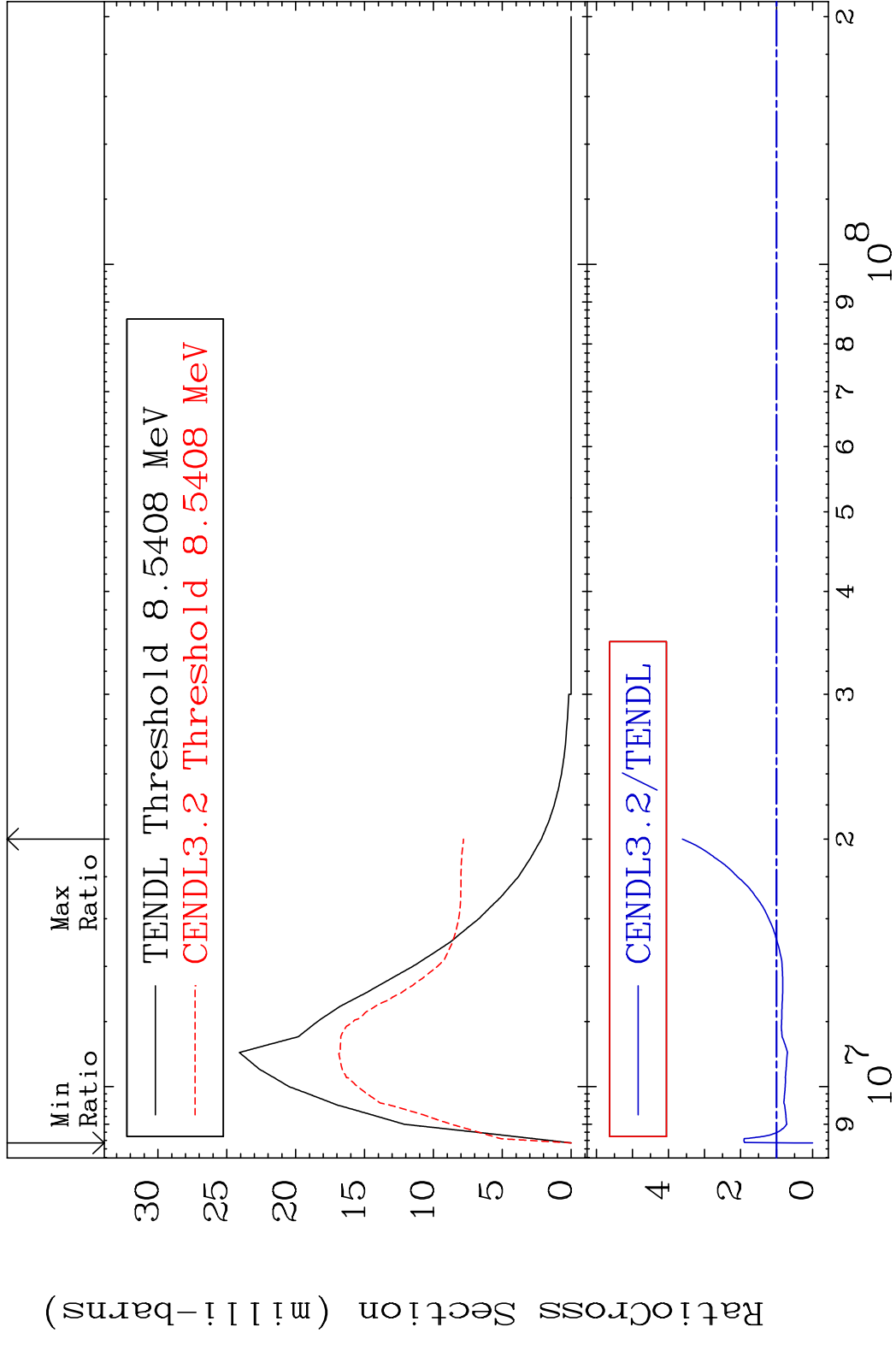
MAT 725 MT= 58 (n, n') Level 7-N -14  
 Cross Section -95.23 To 7564. %



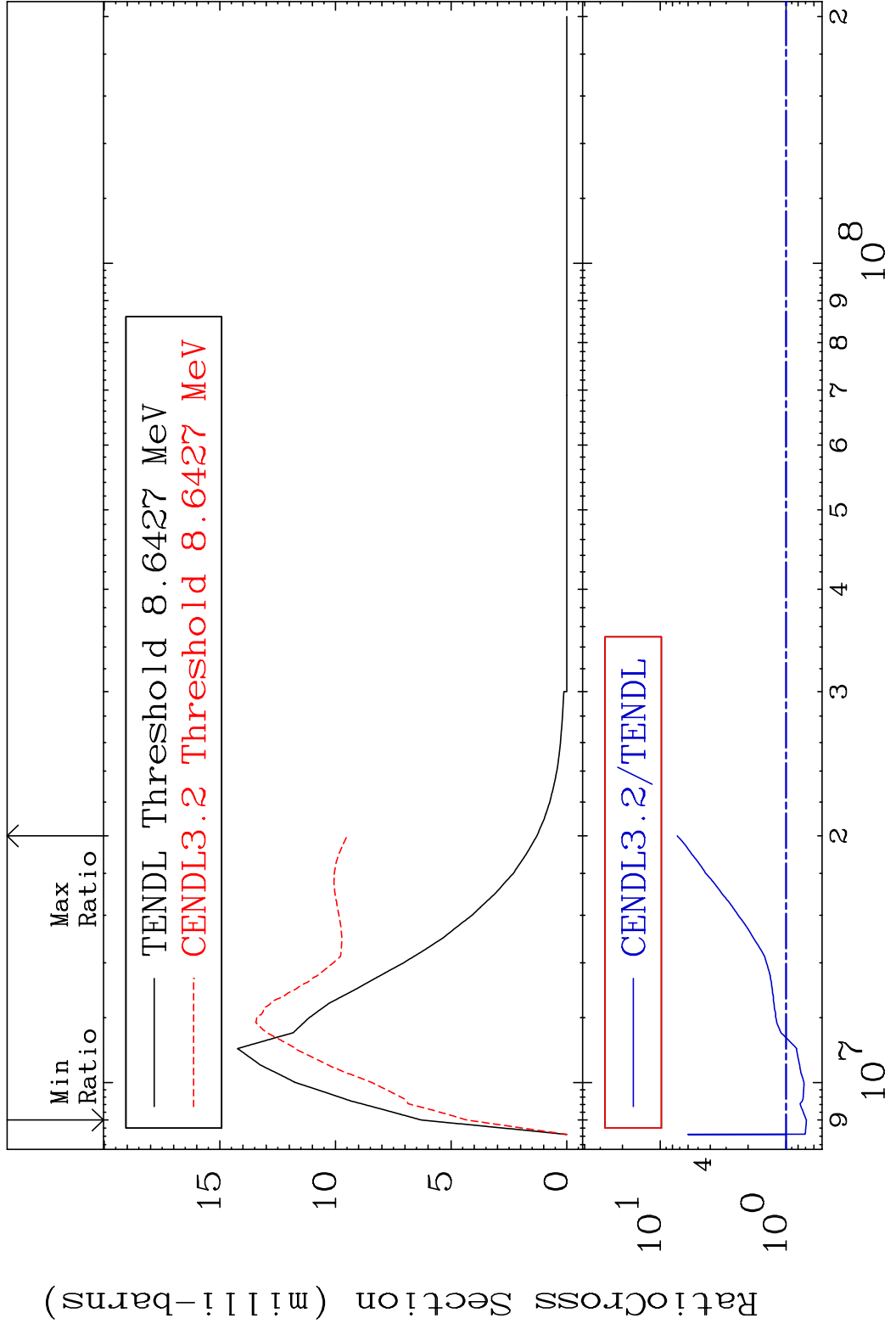
MAT 725 MT= 59 (n, n') Level 7-N -14  
 Cross Section -86.56 To 72.78 %



MAT 725 MT= 60 (n, n') Level 7-N -14  
 Cross Section -100.0 To 261.3 %

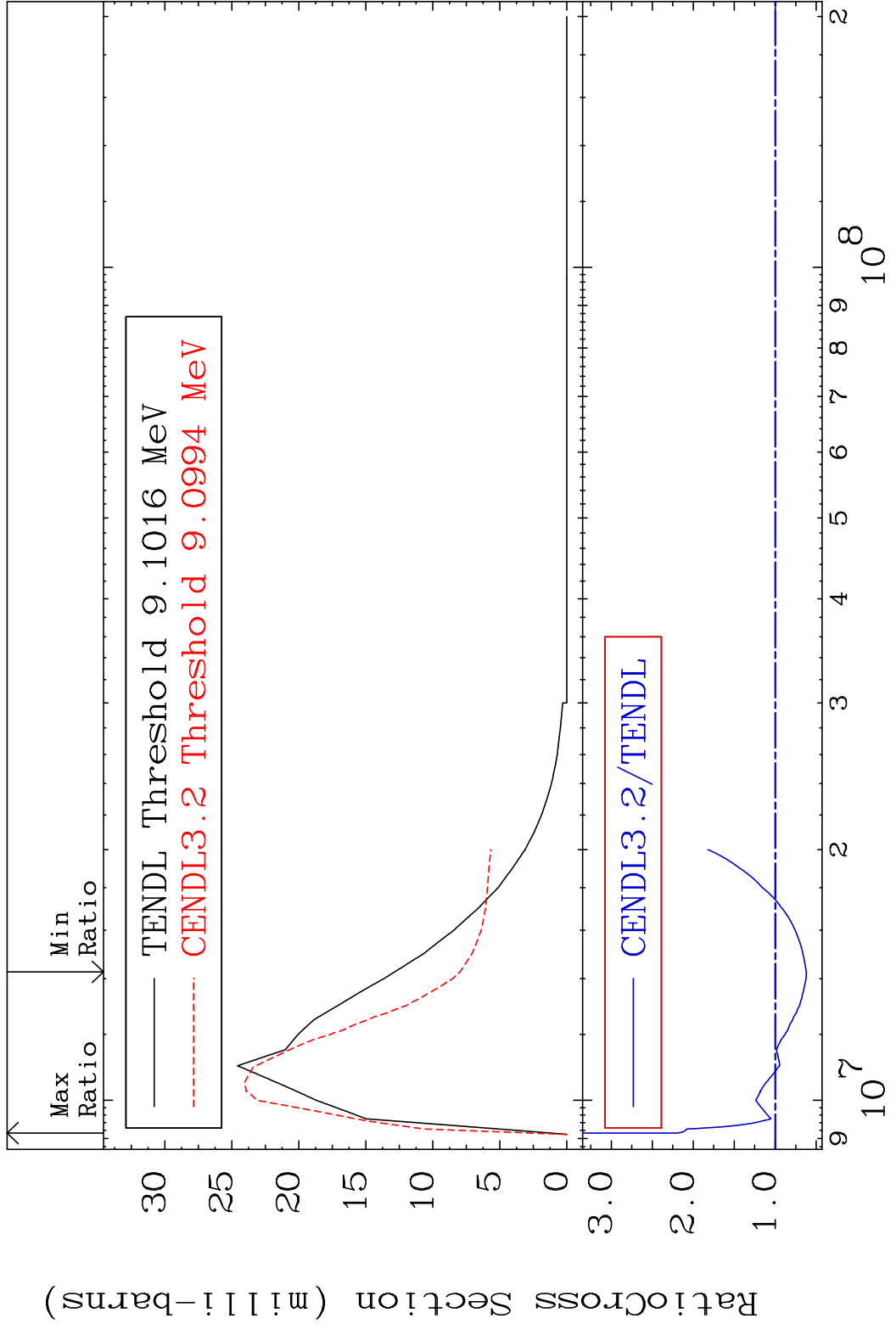


MAT 725 MT= 61 (n, n') Level 7-N -14  
 Cross Section -31.19 To 634.1 %



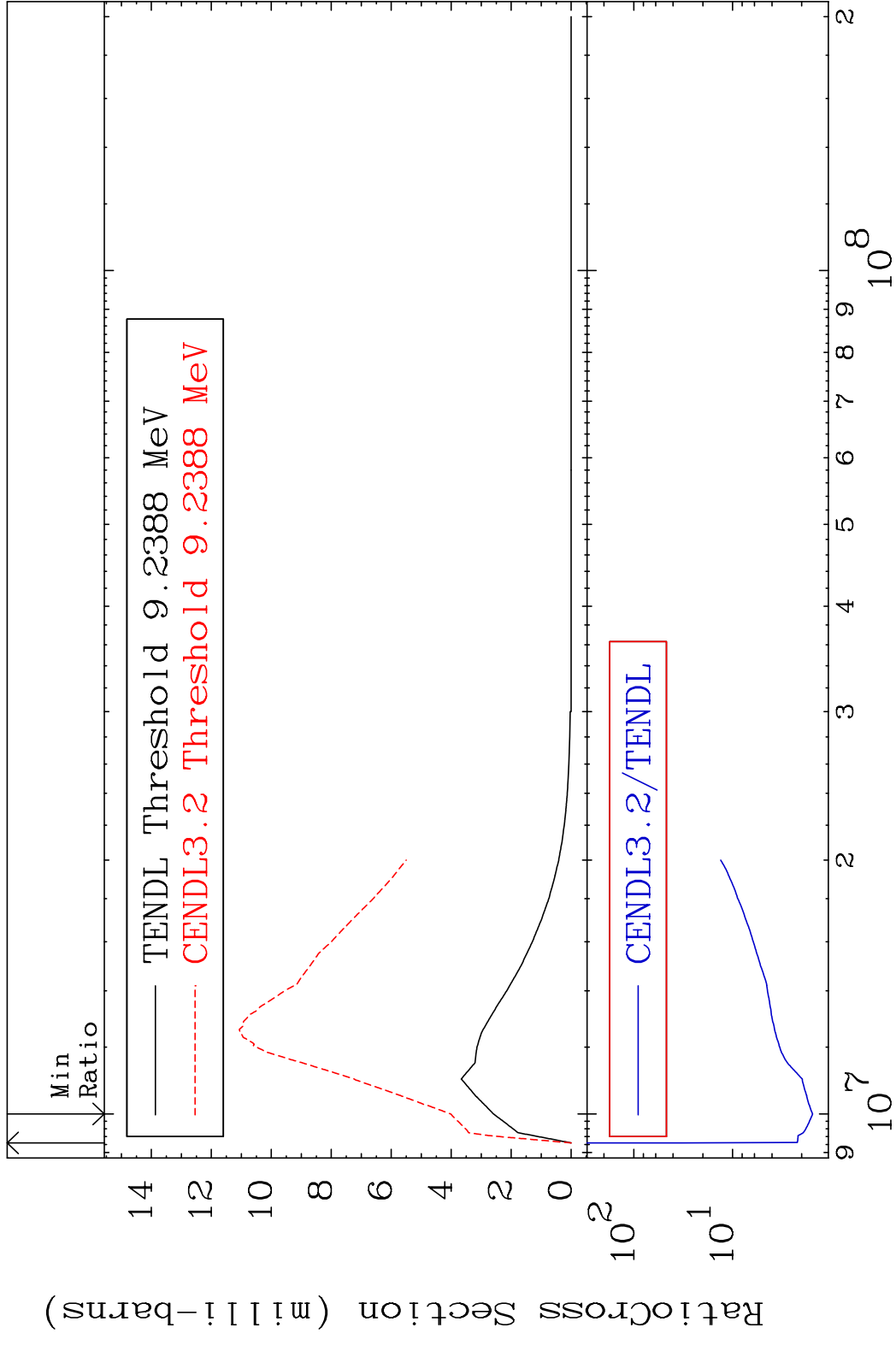
19 19 Incident Energy (eV) 7-N -14

MAT 725 MT= 62 (n, n') Level 7-N -14  
 Cross Section -38.04 To 119.6 %

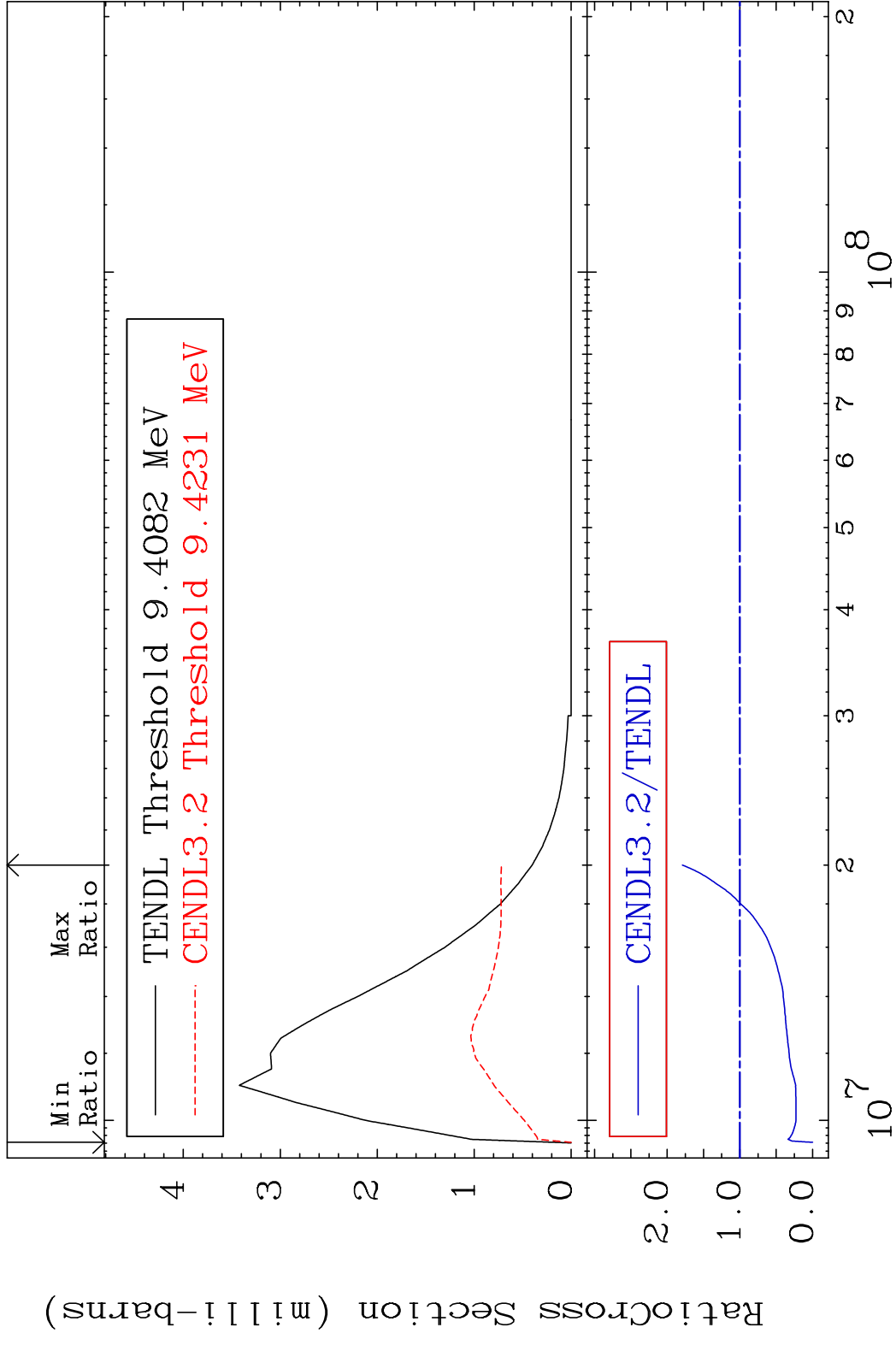


20 Incident Energy (eV) 7-N -14

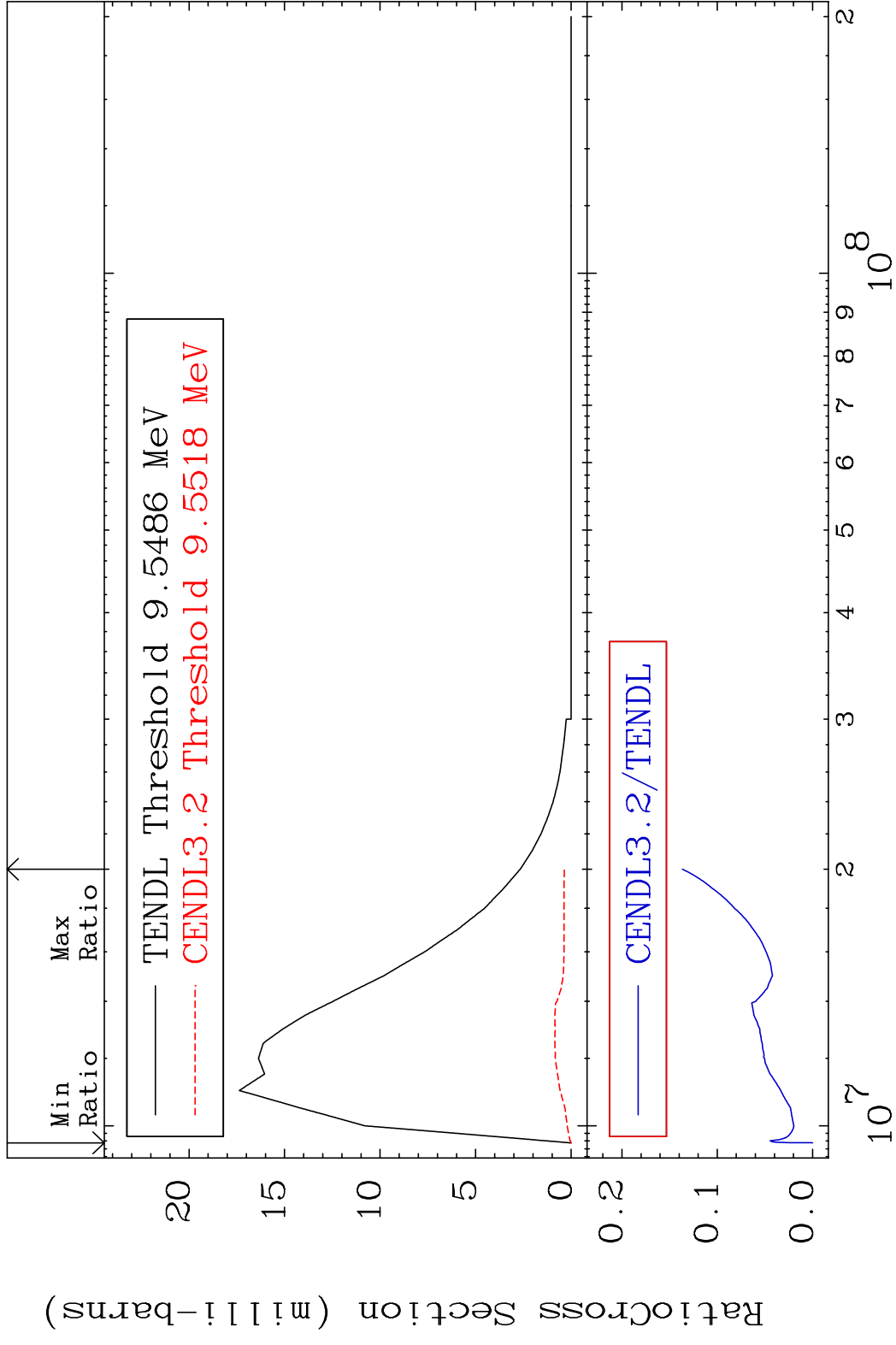
MAT 725 MT= 63 (n, n') Level 7-N -14  
 Cross Section 55.22 To 3125. %



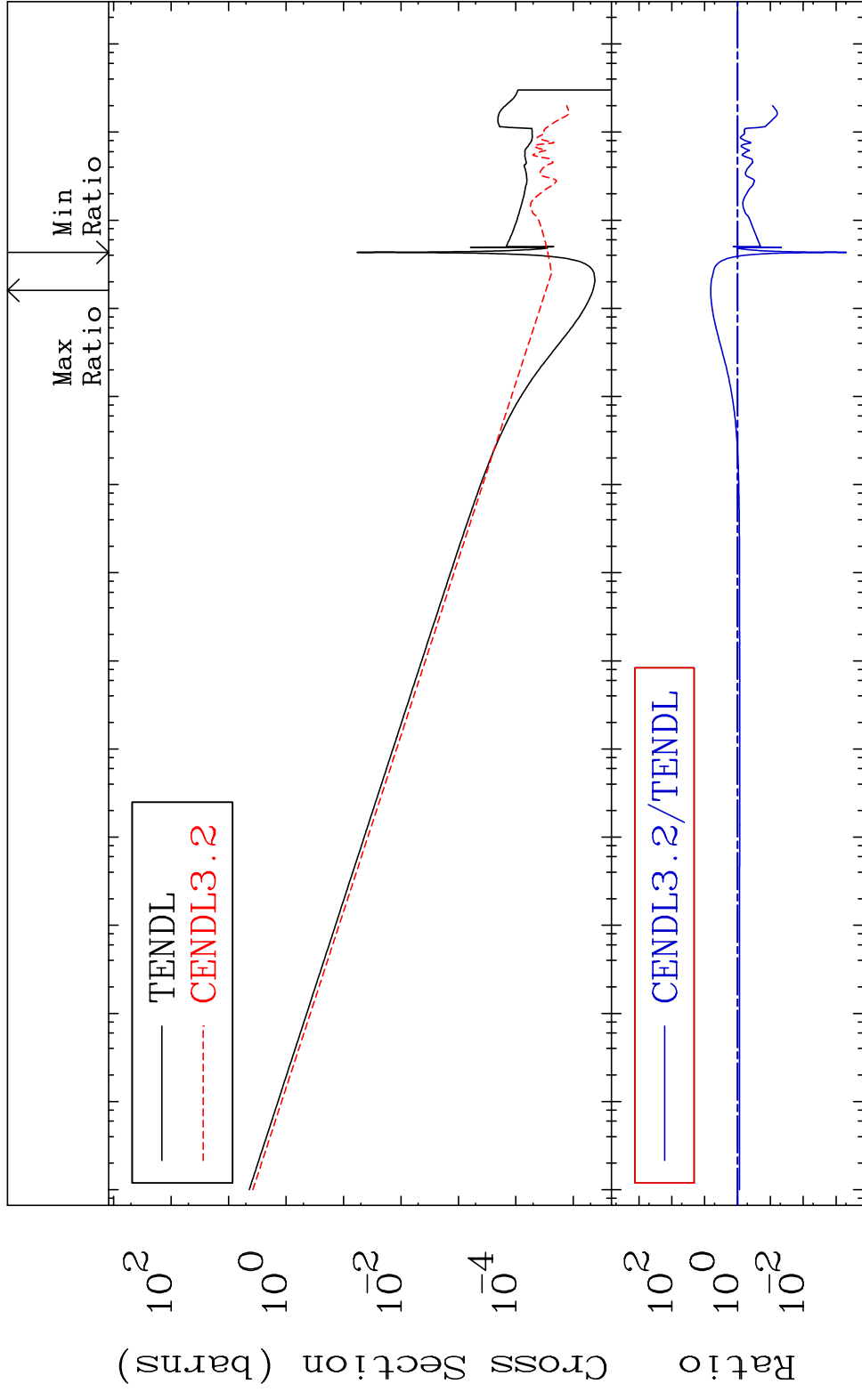
MAT 725 MT= 64 (n, n') Level 7-N -14  
 Cross Section -100.0 To 79.18 %



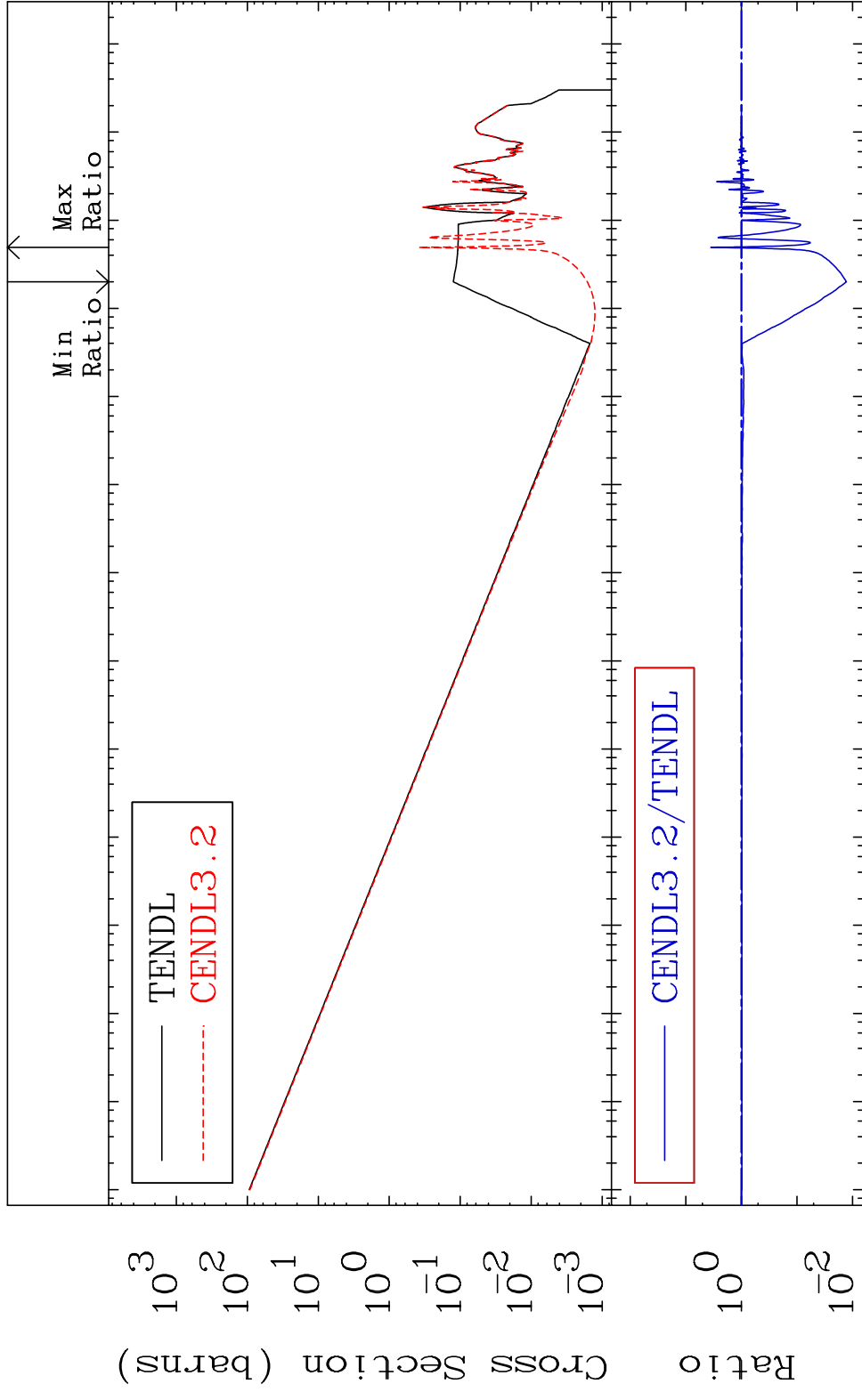
MAT 725 MT= 65 (n, n') Level 7-N -14  
 Cross Section -100.0 To -86.34%



MAT 725 (n,  $\gamma$ ) Cross Section 7-N -14  
 -99.95 To 555.5 %

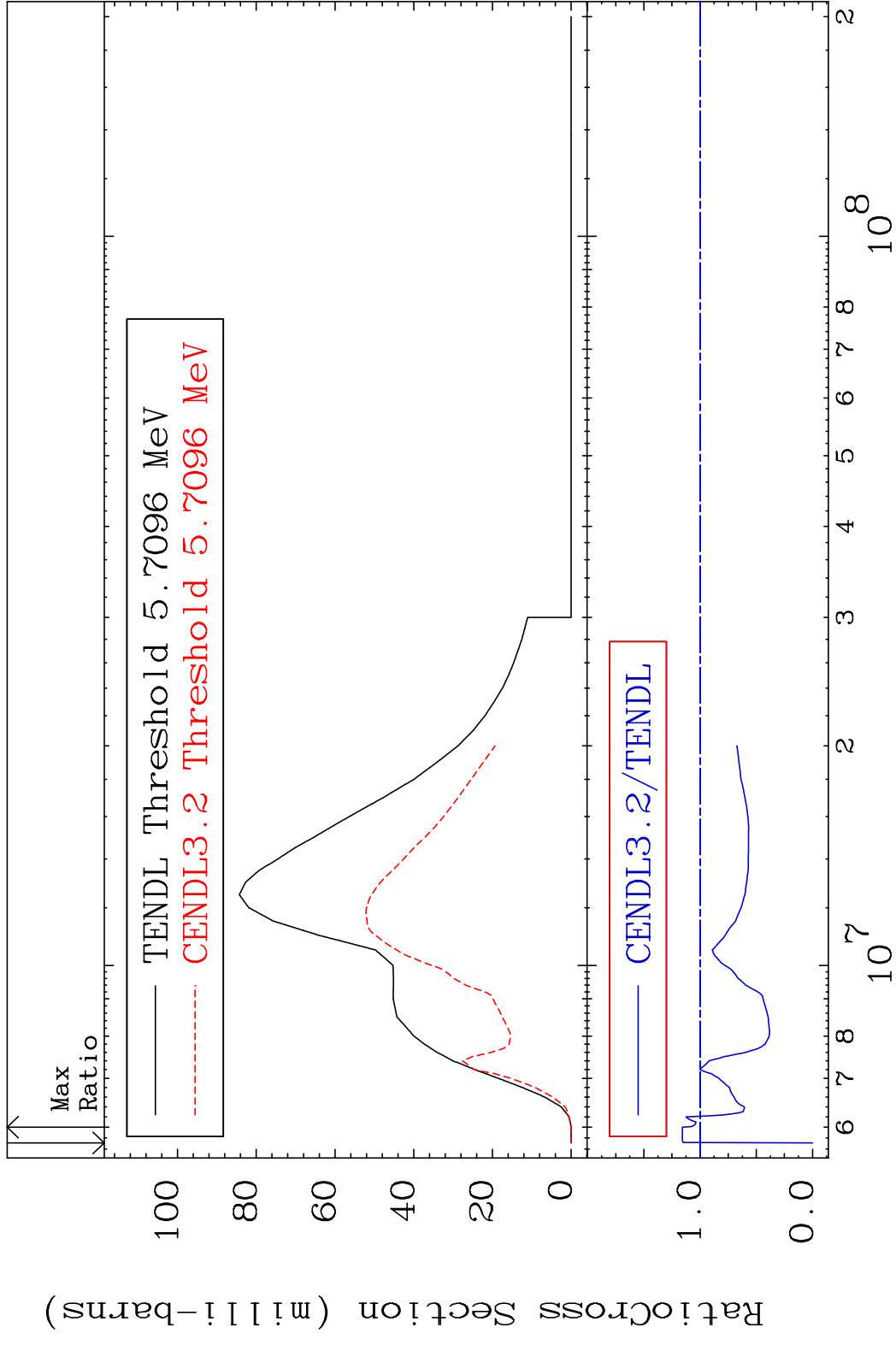


MAT 725 (n,p) Cross Section -98.70 To 256.5 % 7-N -14

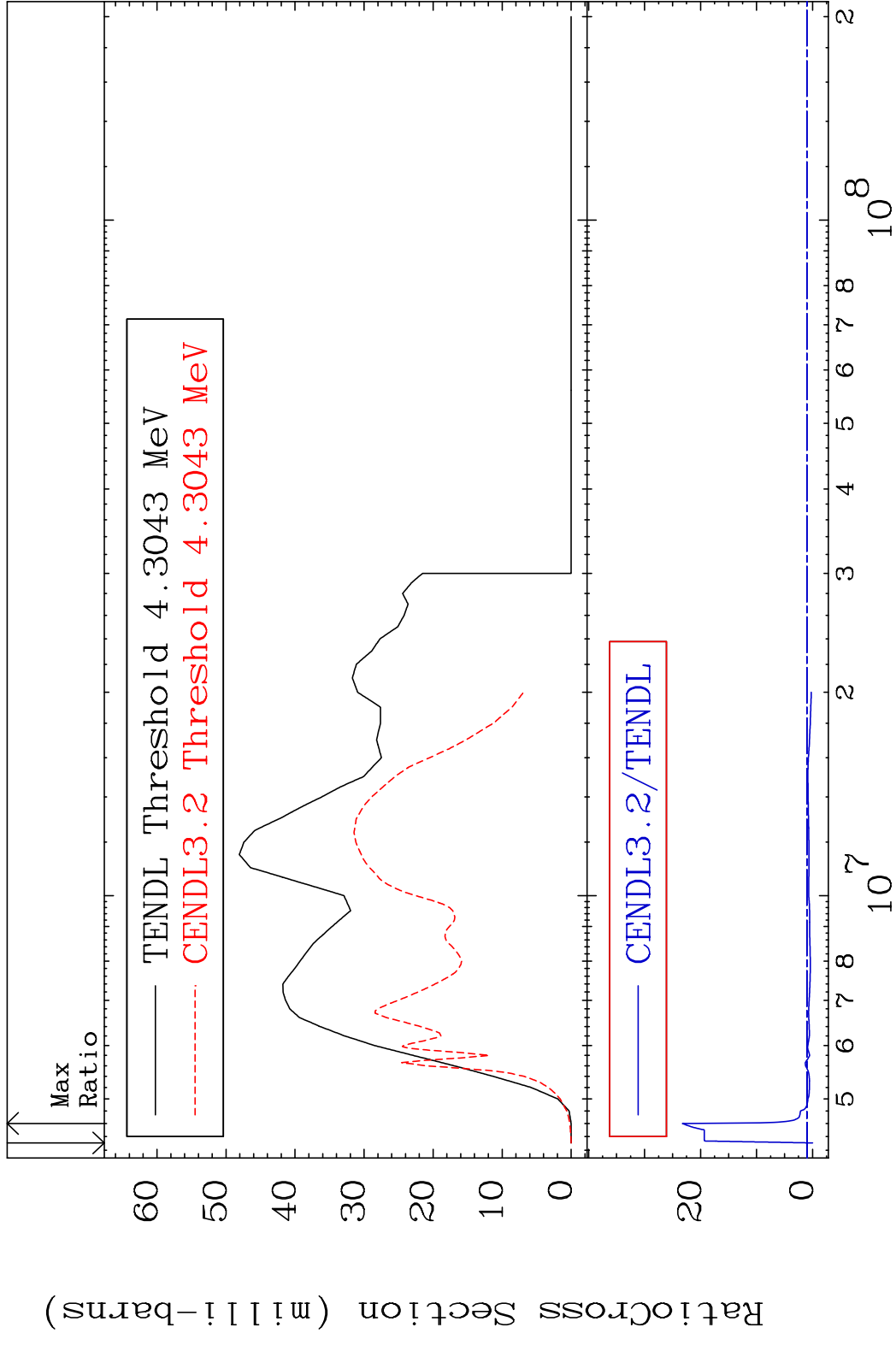


25 Incident Energy (eV) 7-N -14

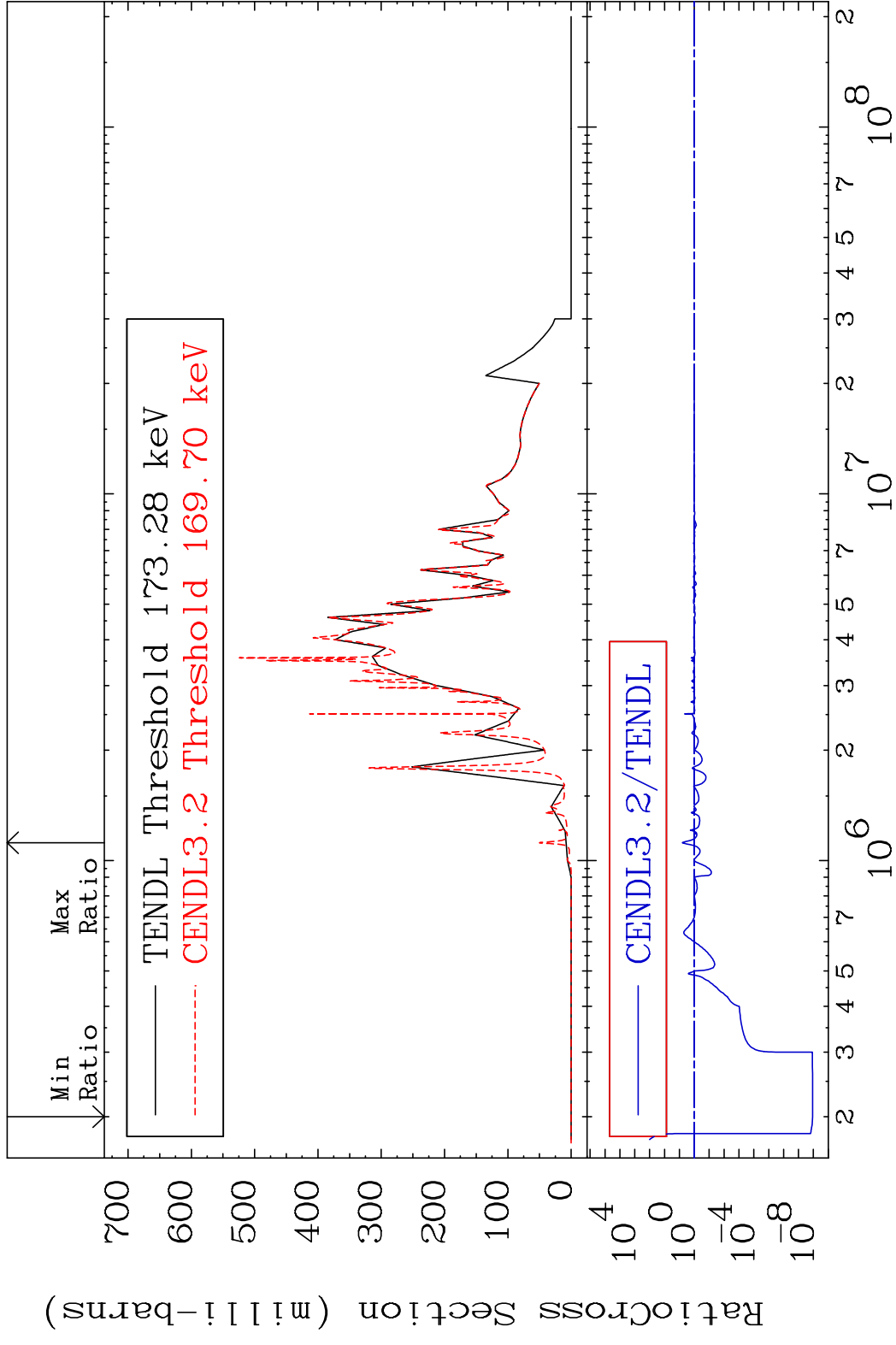
MAT 725 (n,d) 7-N -14  
 Cross Section -100.0 To 15.77 %



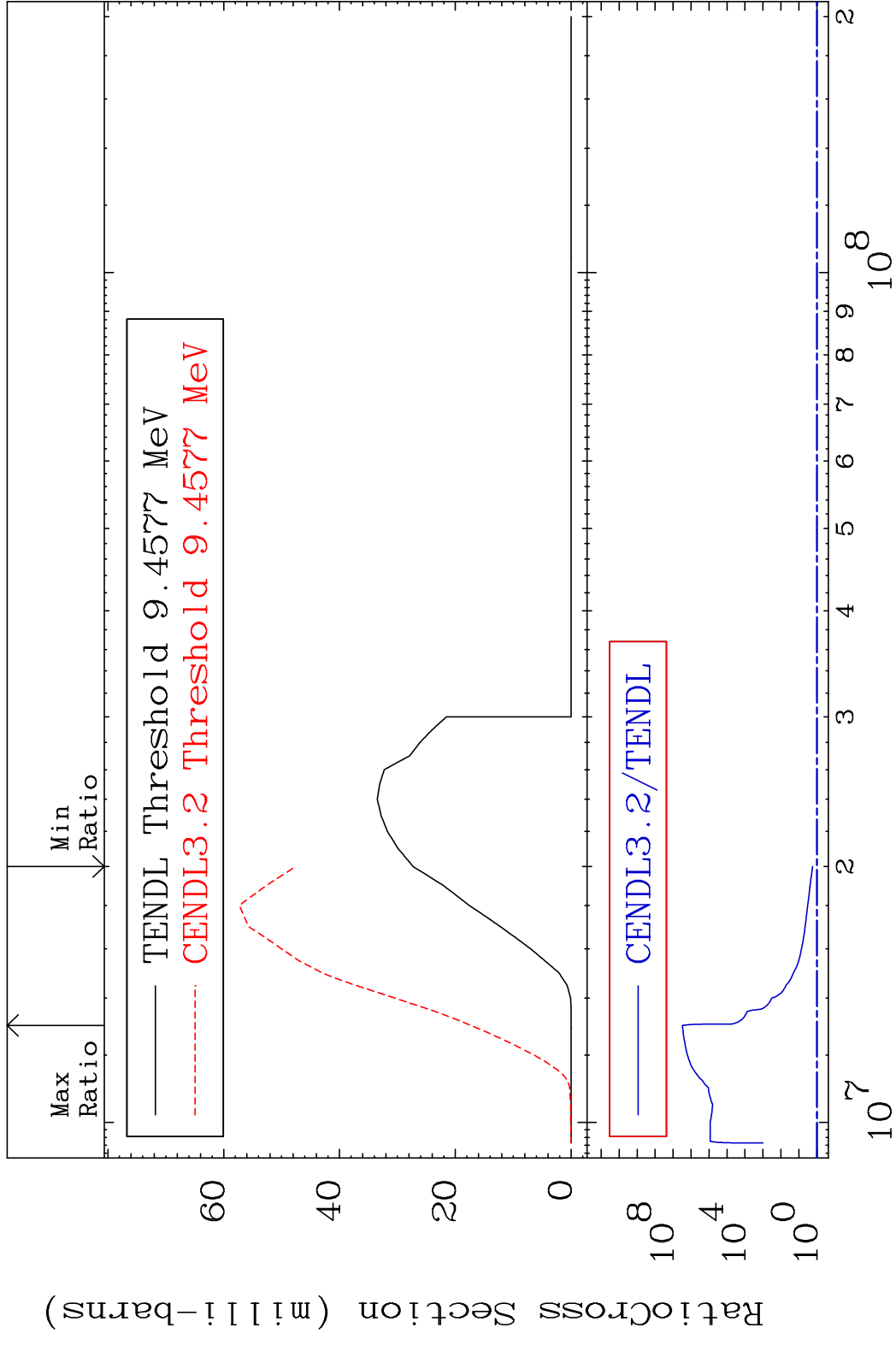
MAT 725 (n, t) 7-N -14  
 Cross Section -100.0 To 2225. %



MAT 725 (n,  $\alpha$ ) 7-N -14  
 Cross Section -100.0 To 534.1 %



MAT 725 (n,2α) 7-N -14  
 Cross Section 74.16 To 9999. %



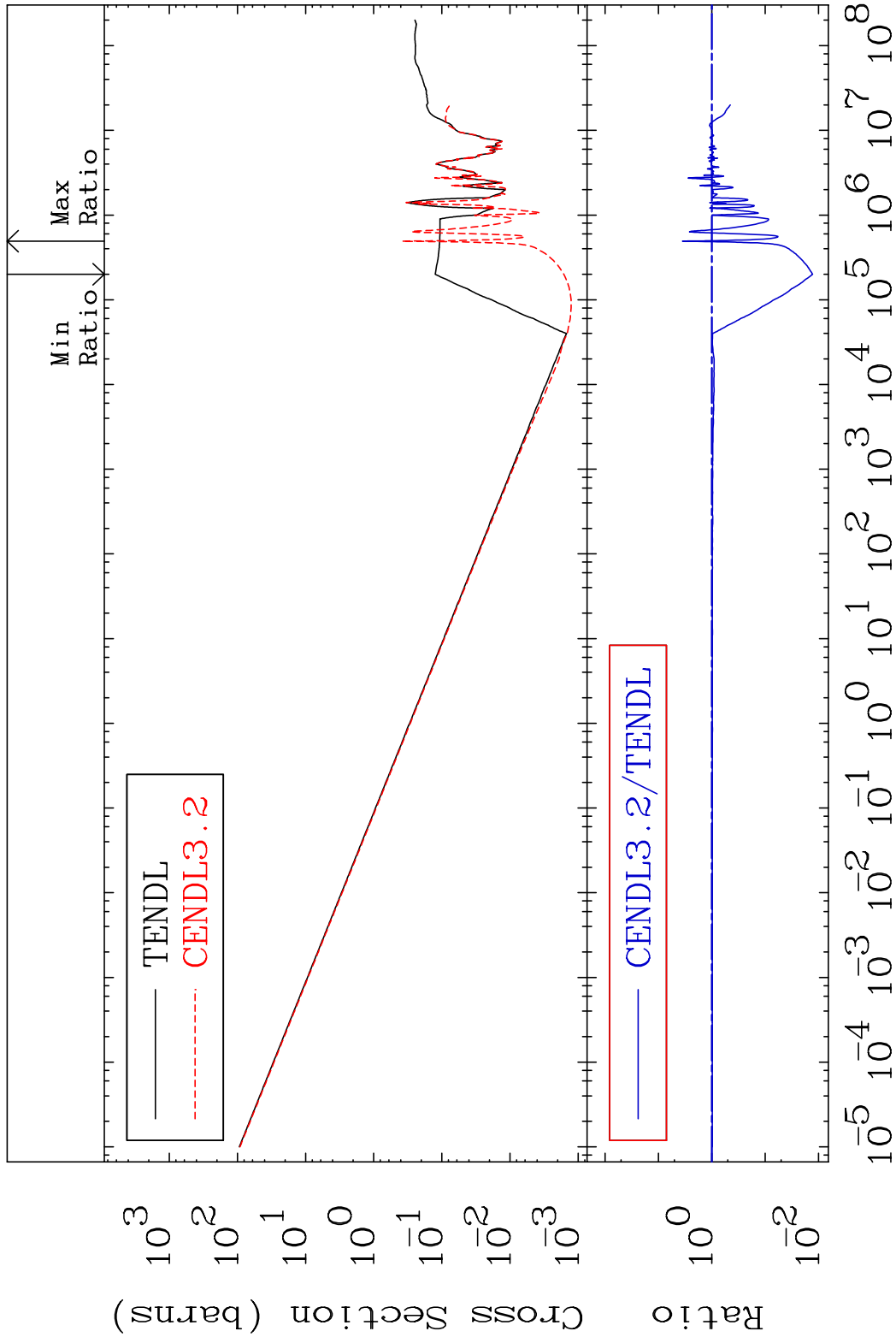
29 Incident Energy (eV) 7-N -14

MAT 725

Hydrogen Production

7-N -14

Cross Section -98.70 To 256.5 %

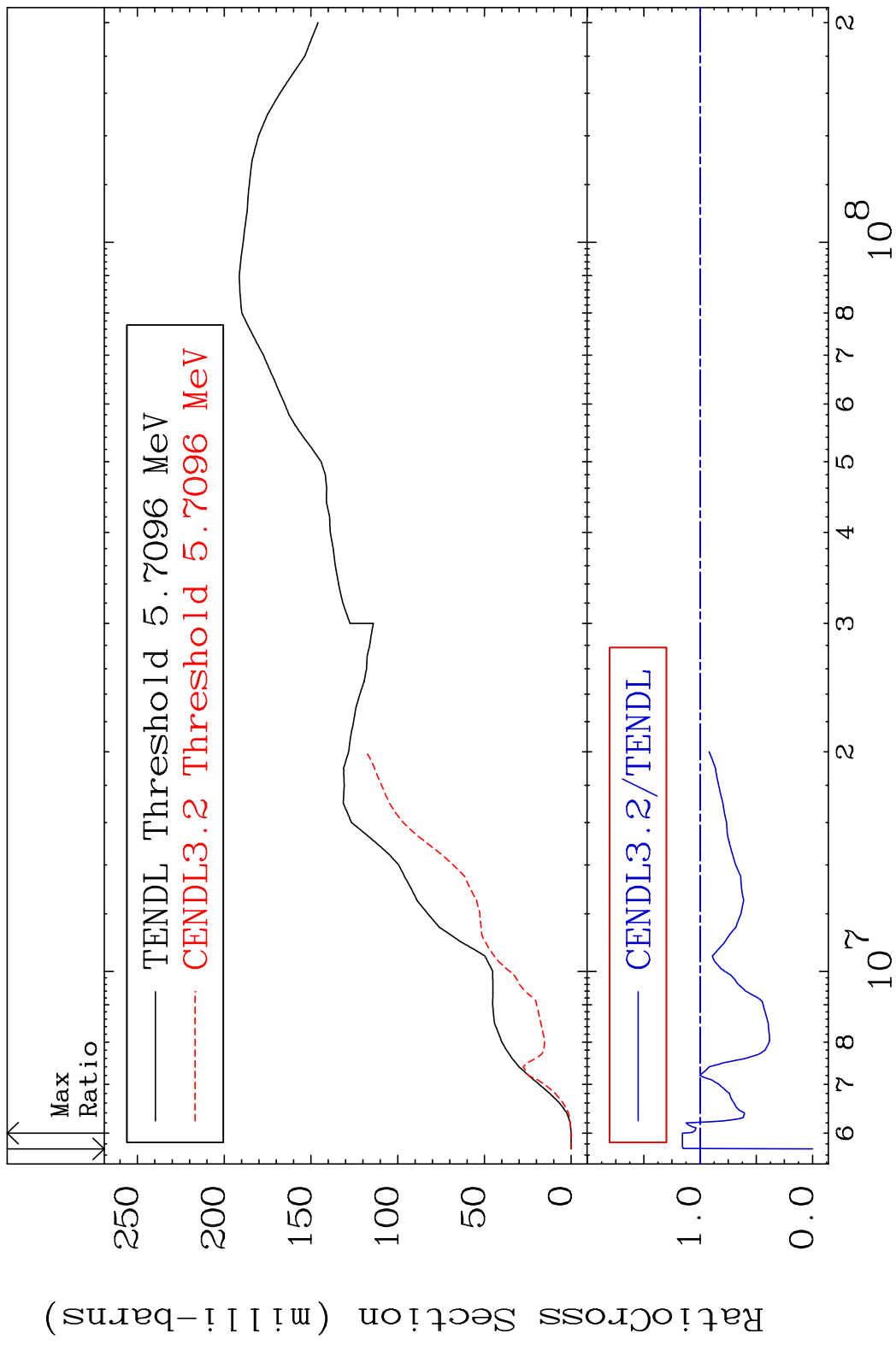


30

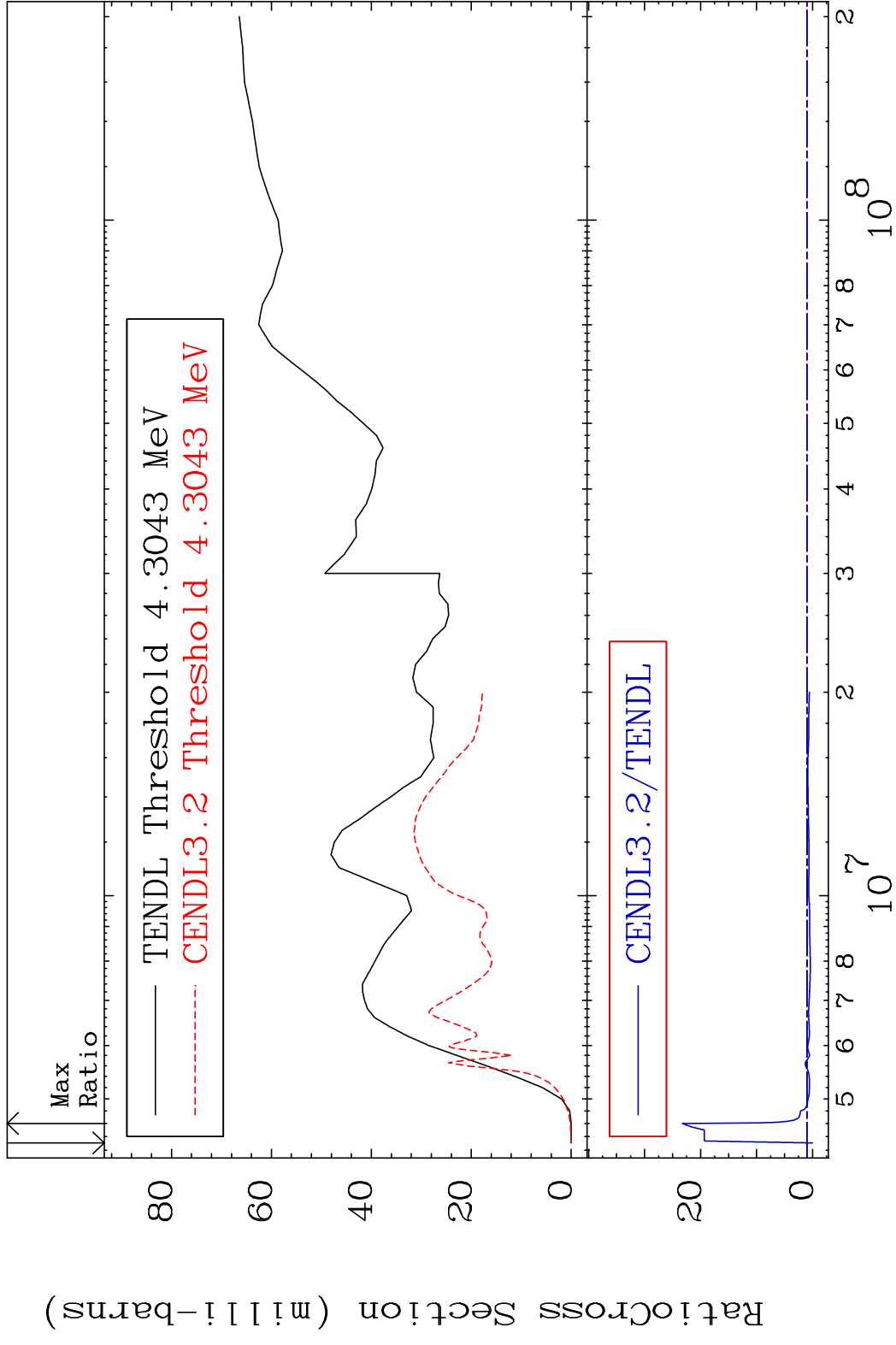
Incident Energy (eV)

7-N -14

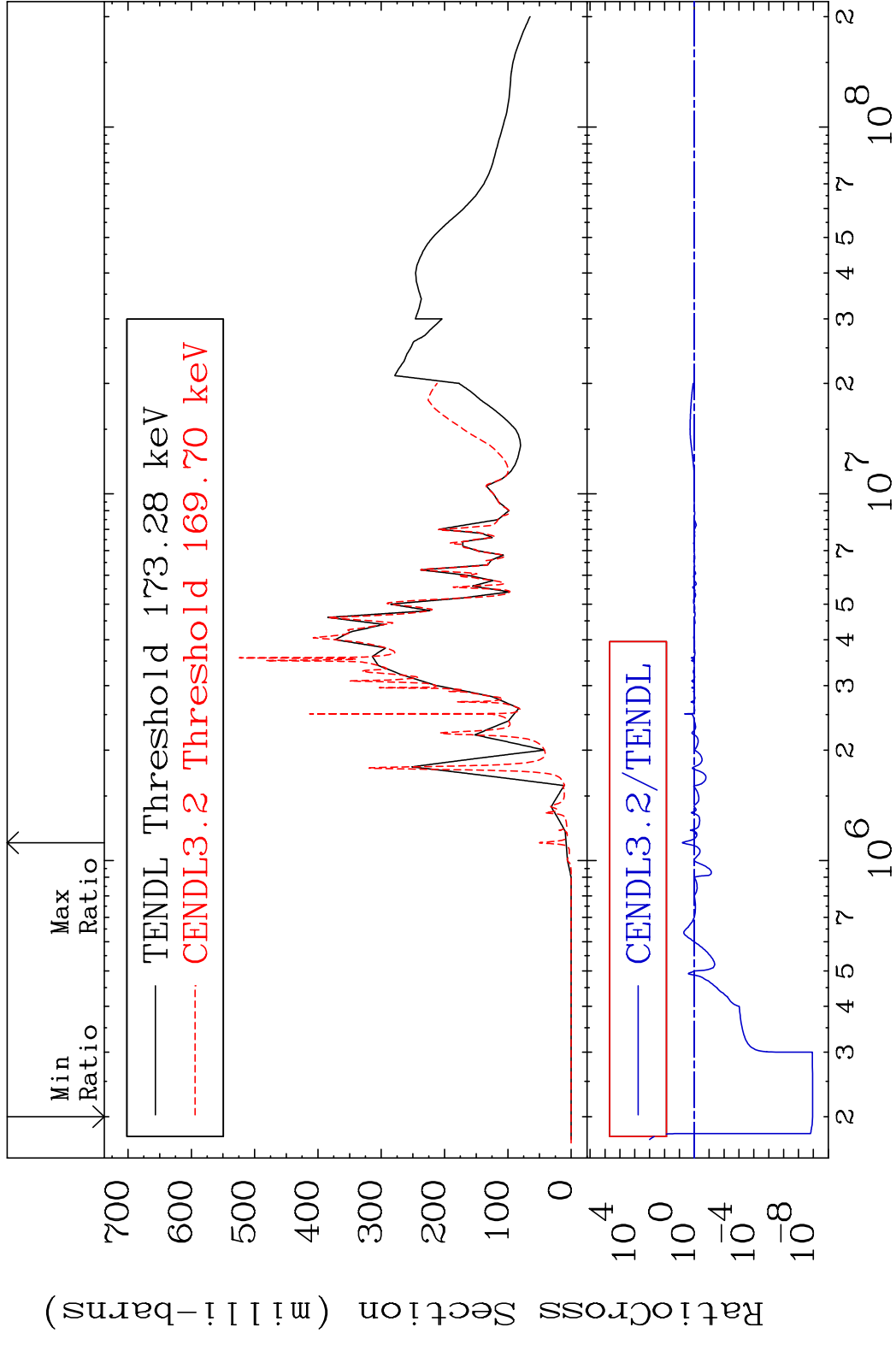
MAT 725 Deuterium Production 7-N -14  
 Cross Section -100.0 To 15.77 %



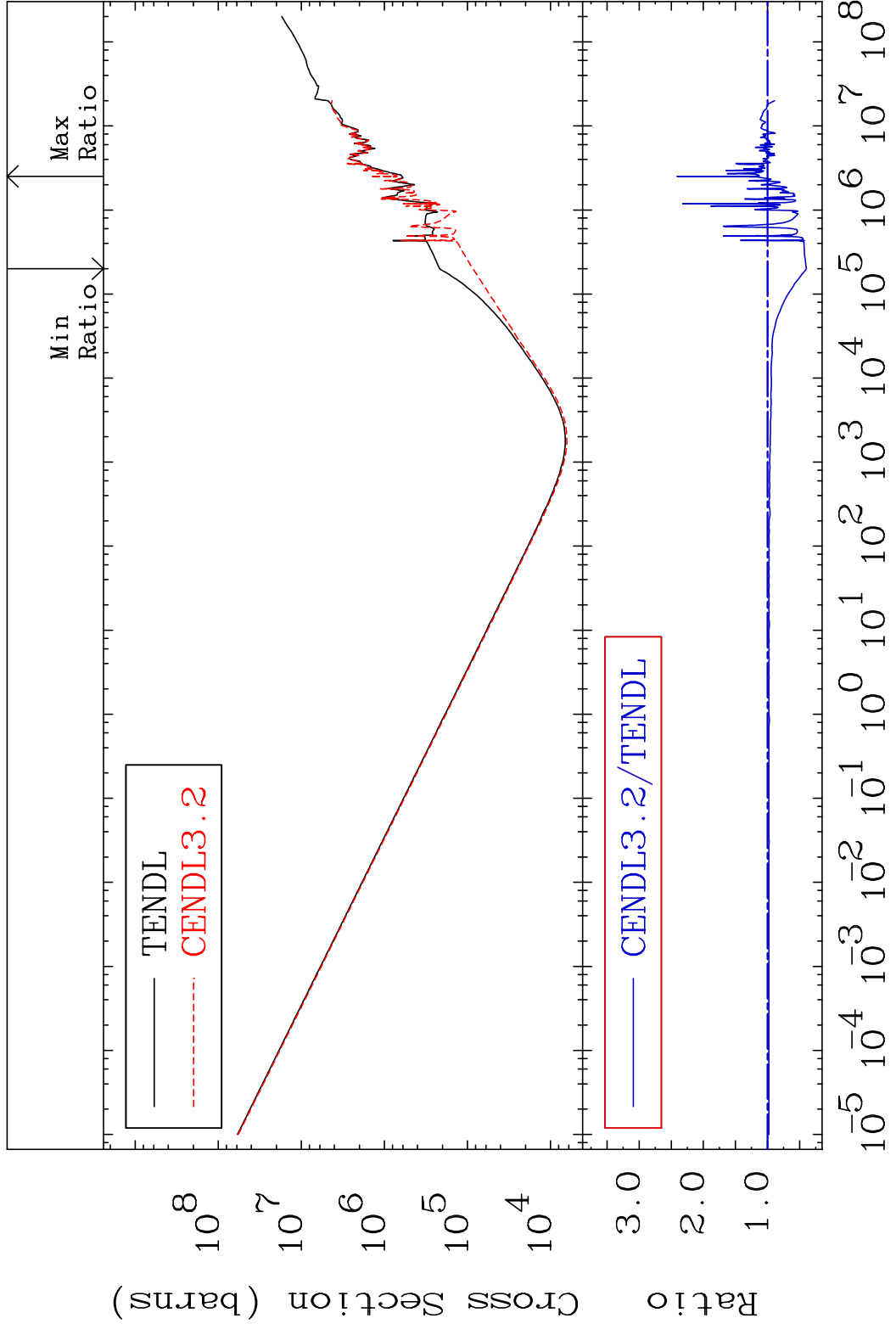
MAT 725 Tritium Production 7-N -14  
 Cross Section -100.0 To 2225. %



MAT 725 He-4 Production 7-N -14  
 Cross Section -100.0 To 534.1 %



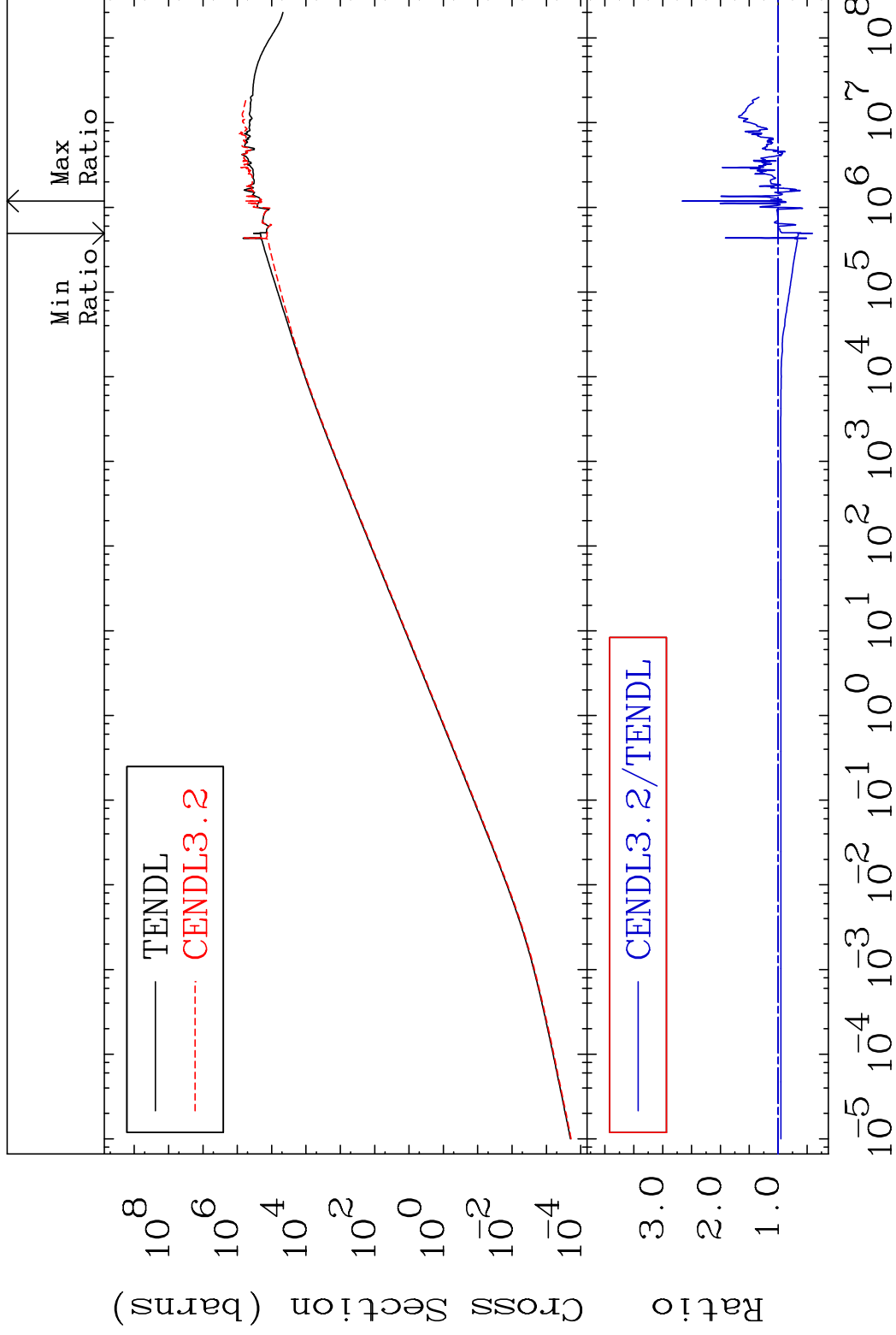
MAT 725 Kerma total (eV-barns) 7-N -14  
 Cross Section -60.53 To 140.8 %



MAT 725

Kerma elastic  
Cross Section

7-N -14  
-59.58 To 165.9 %

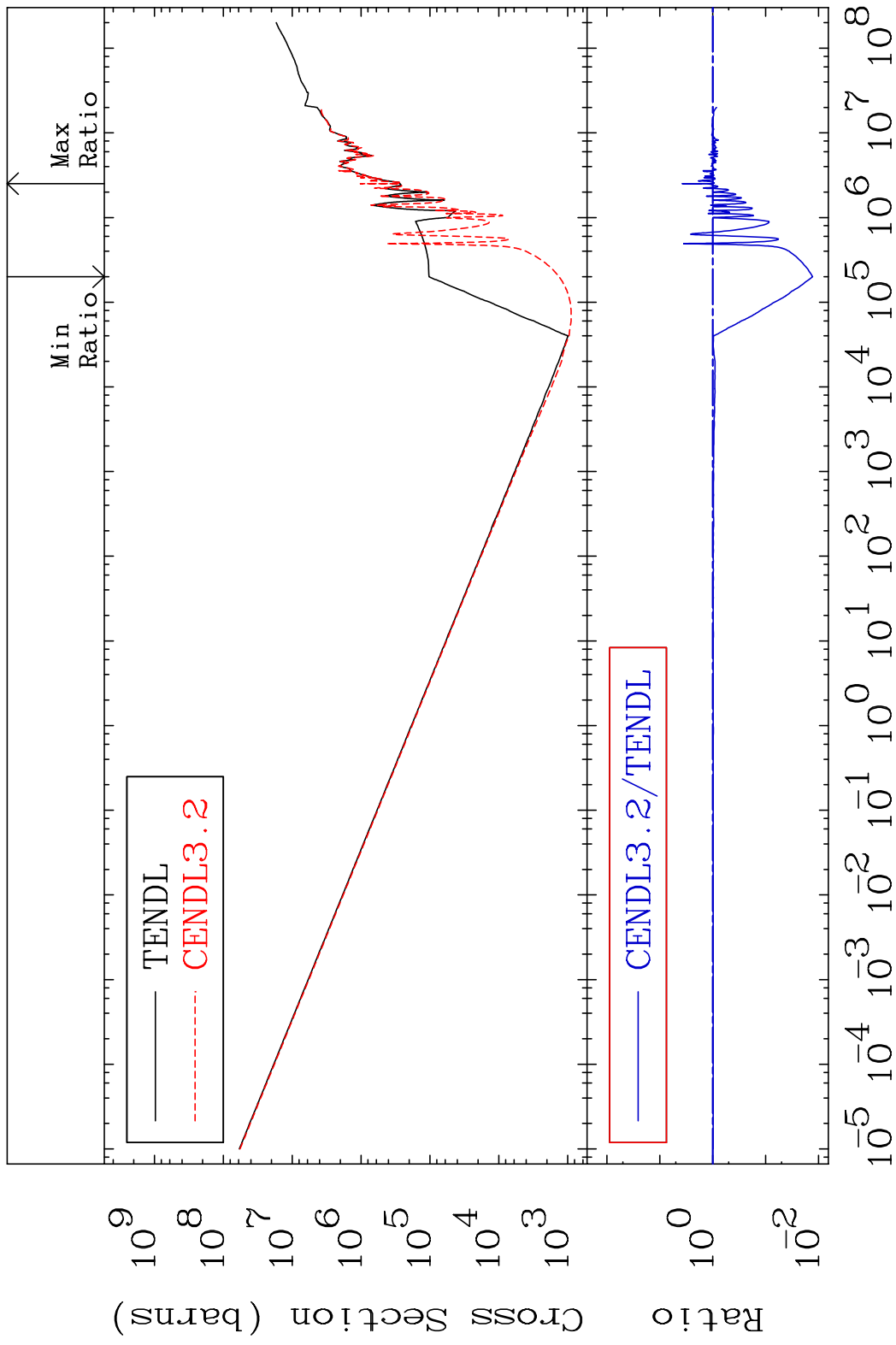


35

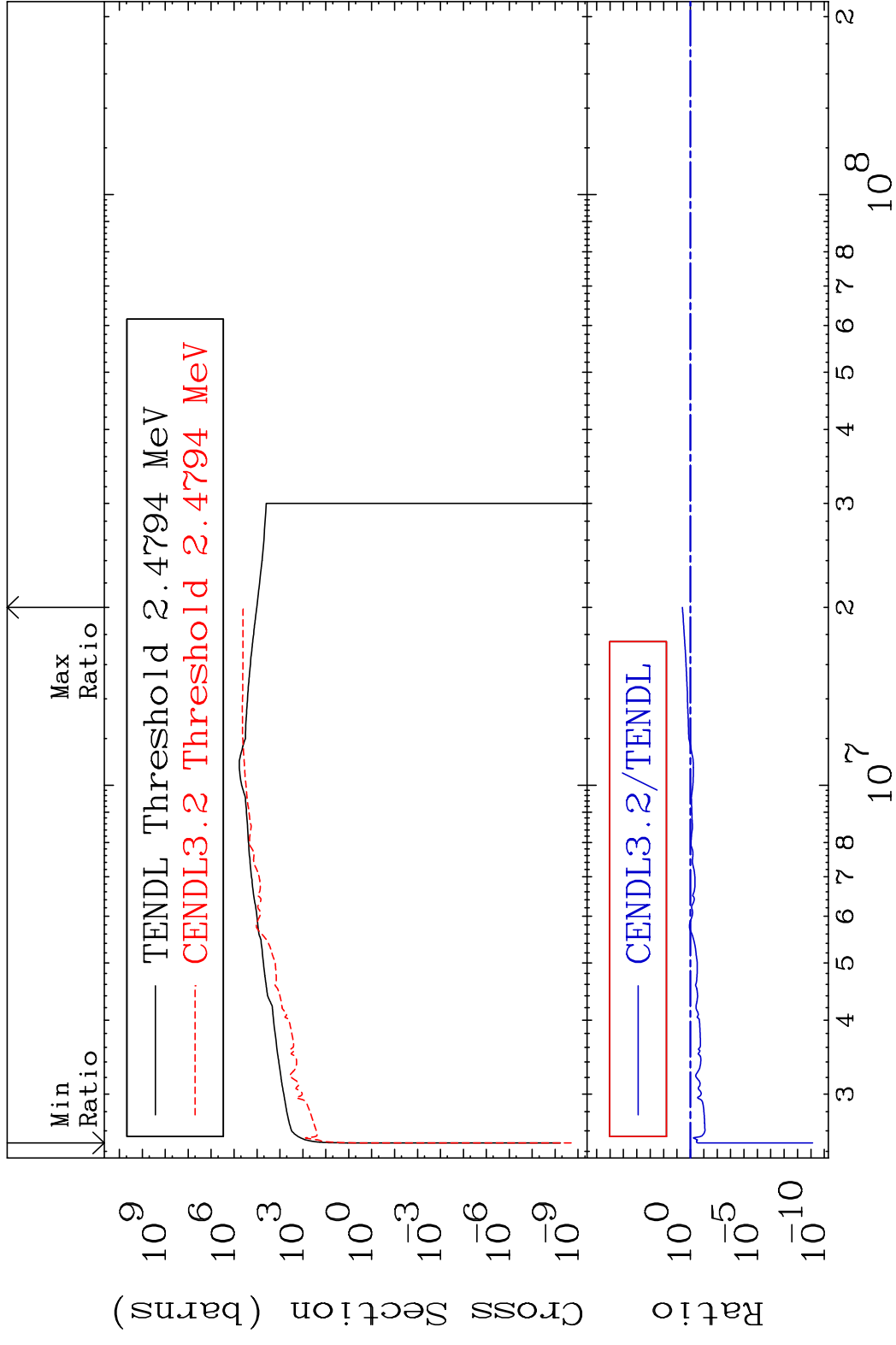
Incident Energy (eV)

7-N -14

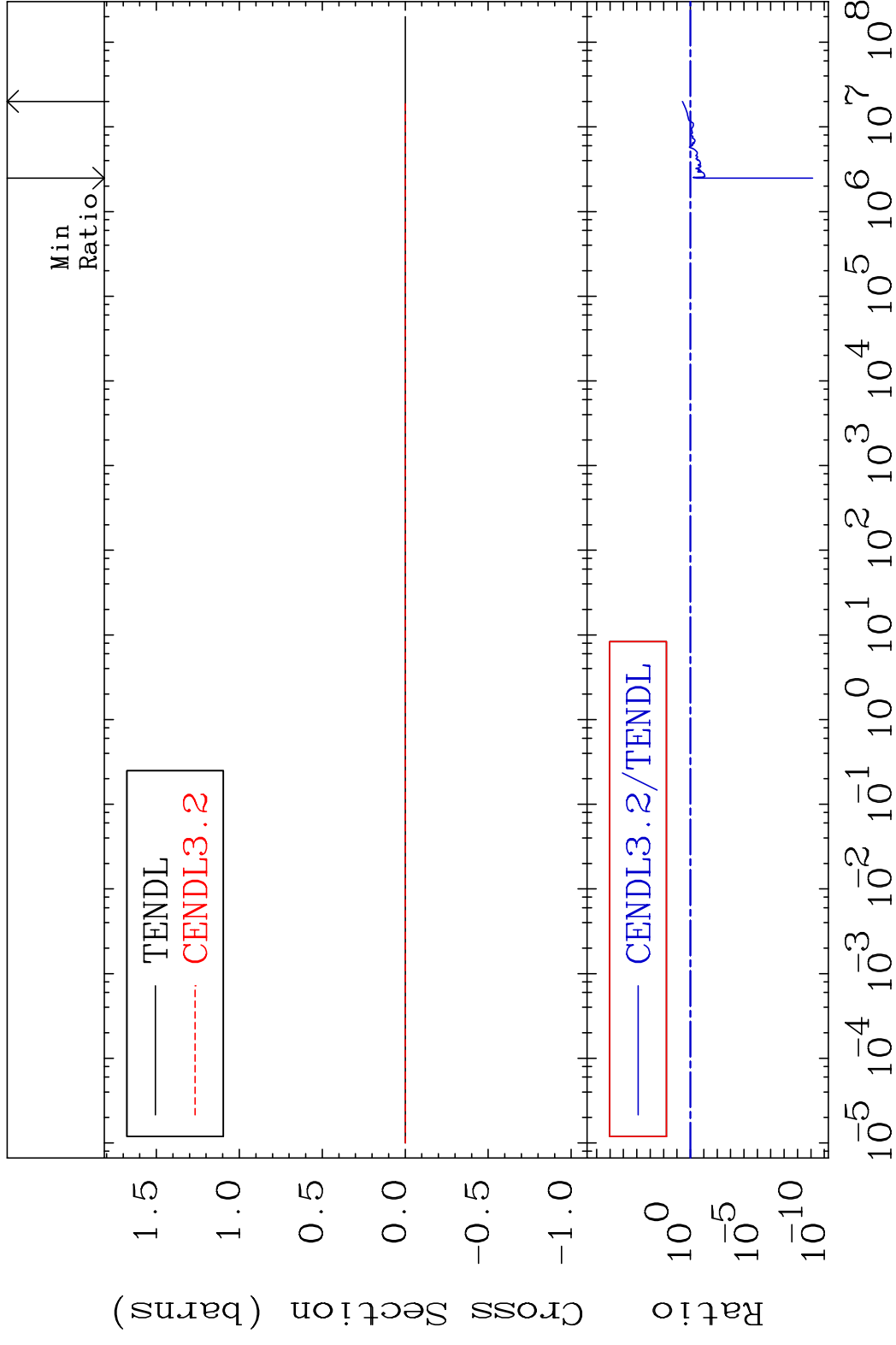
MAT 725 Kerma non-elastic (all but mt2) 7-N -14  
 Cross Section -98.70 To 275.6 %



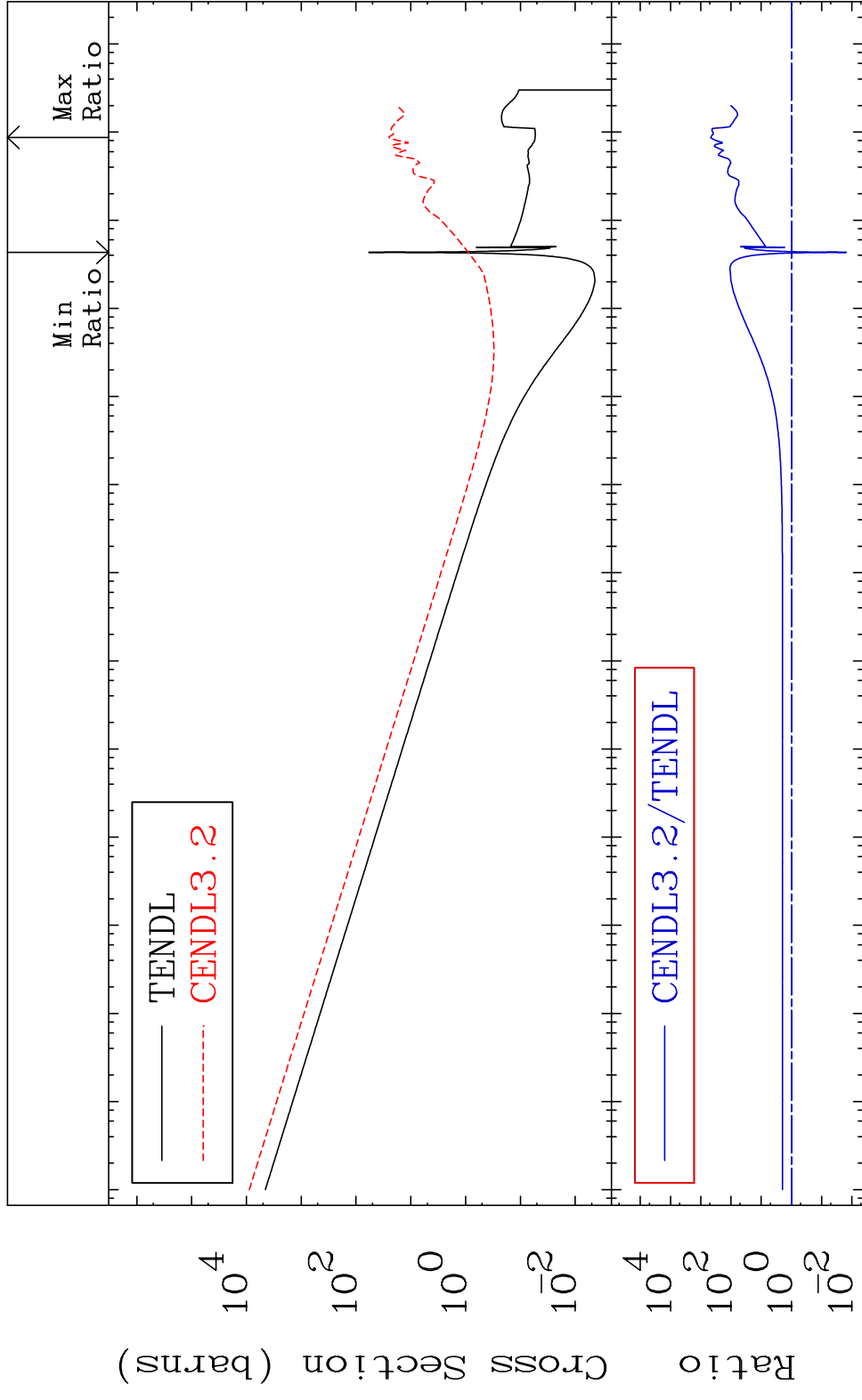
MAT 725 Kerma inelastic (mt51-91) 7-N -14  
 Cross Section -100.0 To 297.4 %



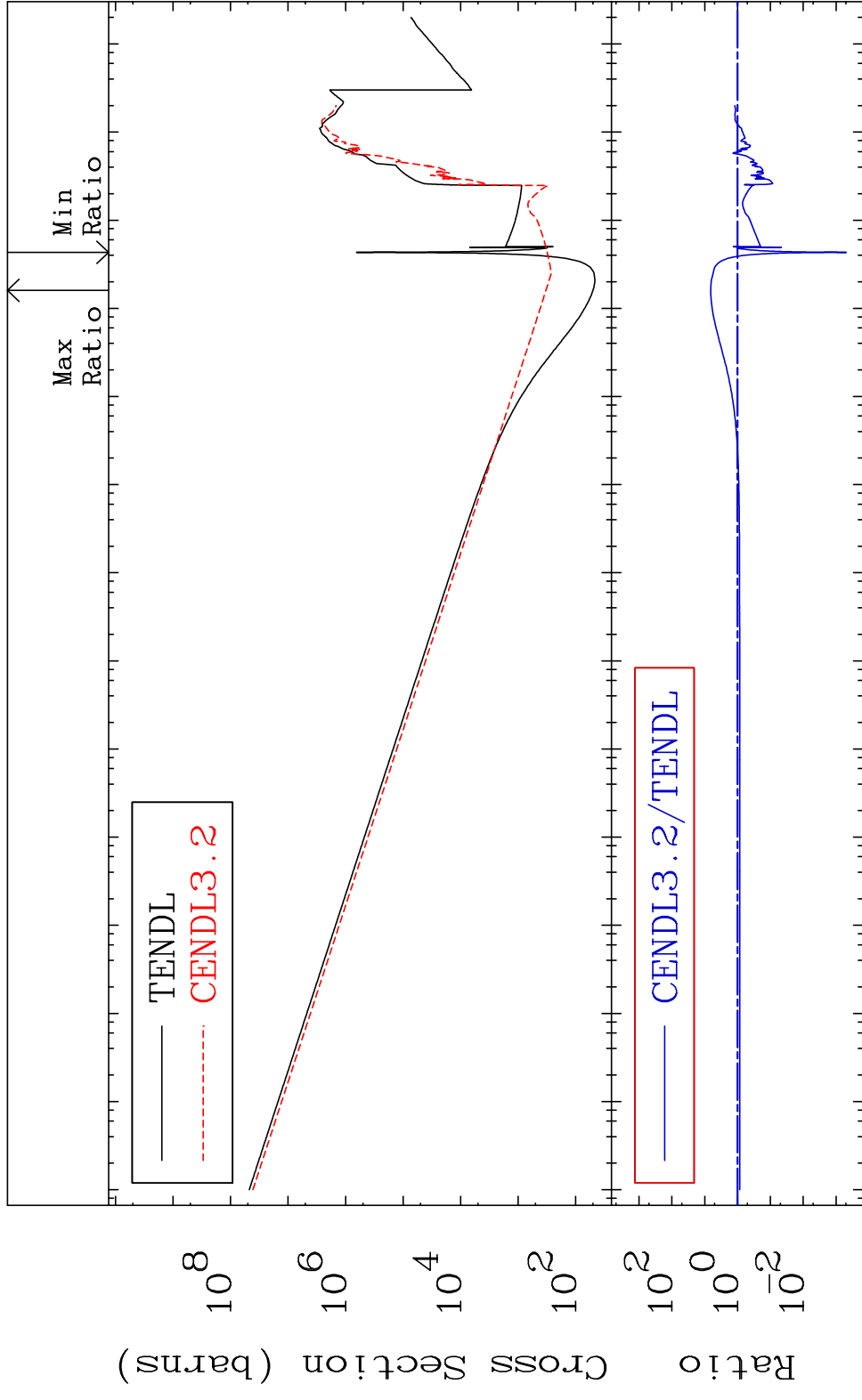
MAT 725 Kerma fission (mt18 or mt19-20-21-38) 7-N -14  
 Cross Section -100.0 To 297.4 %



MAT 725 Kerma capture (mt102) 7-N -14  
 Cross Section -98.48 To 9999. %

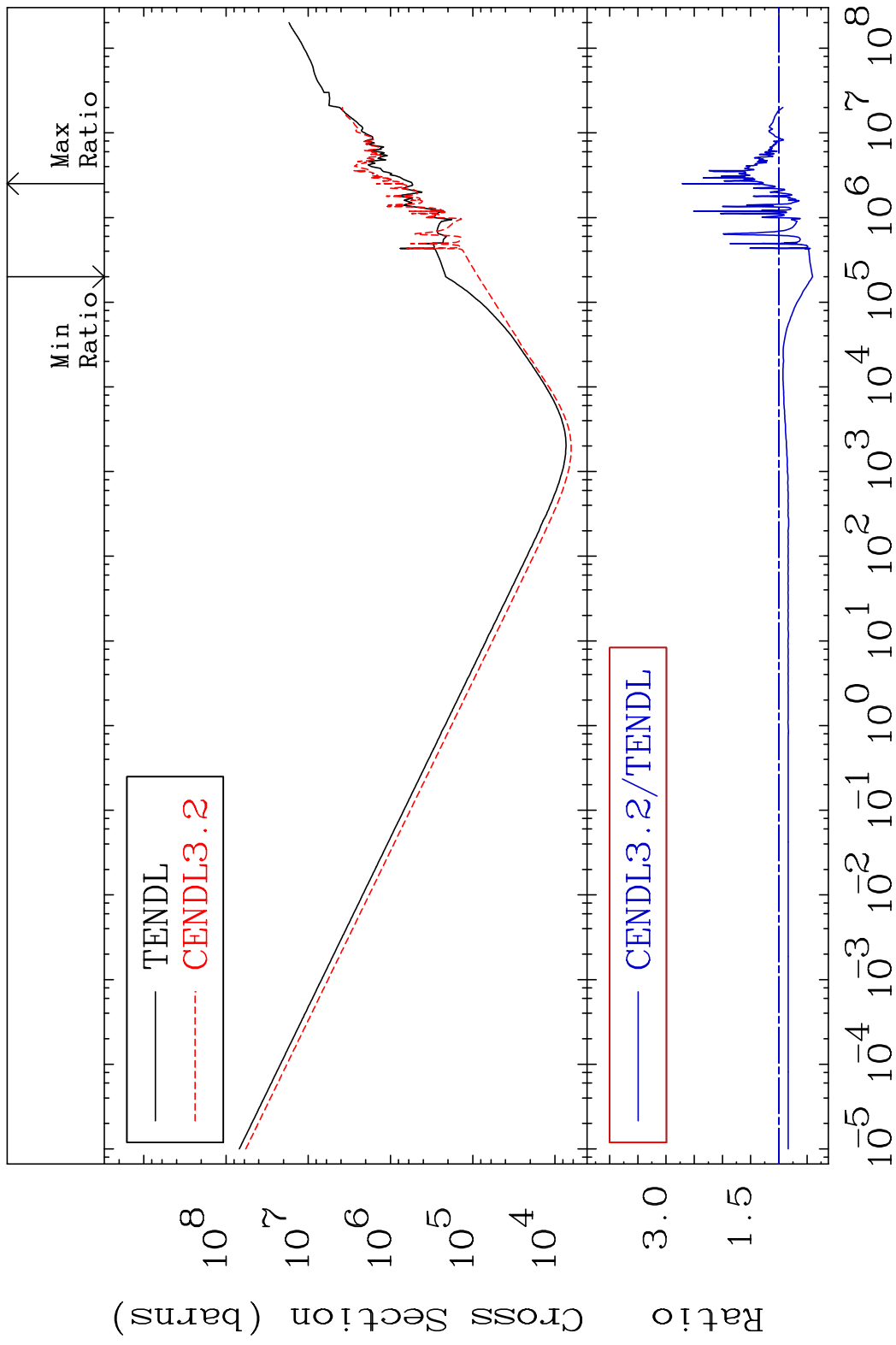


MAT 725 Total photon (eV-barns) 7-N -14  
Cross Section -99.95 To 555.8 %



40 Incident Energy (eV) 7-N -14

MAT 725 Total kinematic kerma (high limit) 7-N -14  
 Cross Section -59.80 To 171.0 %

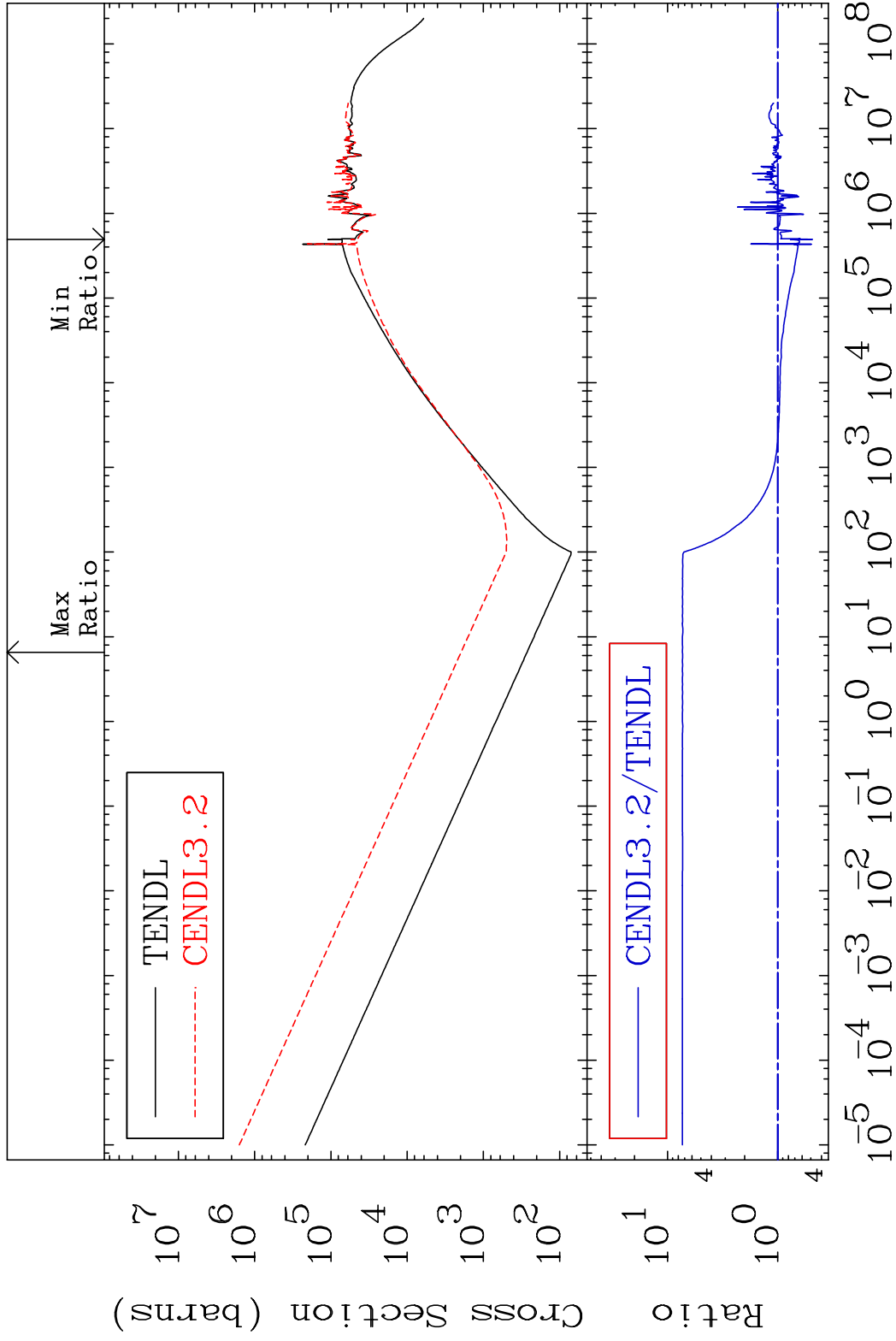


MAT 725

Dpa total (eV-barns)

7-N -14

Cross Section -51.74 To 634.7 %

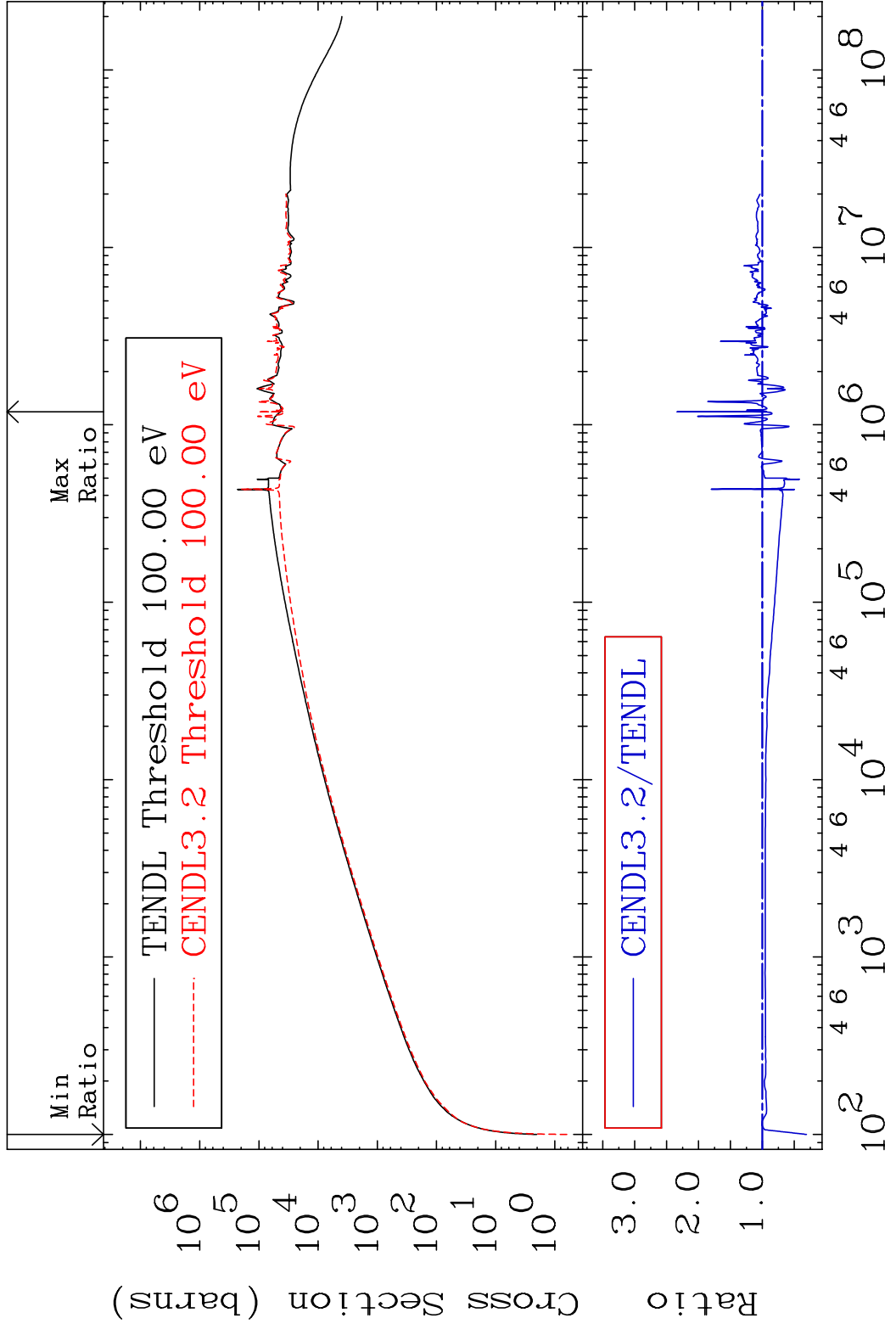


42

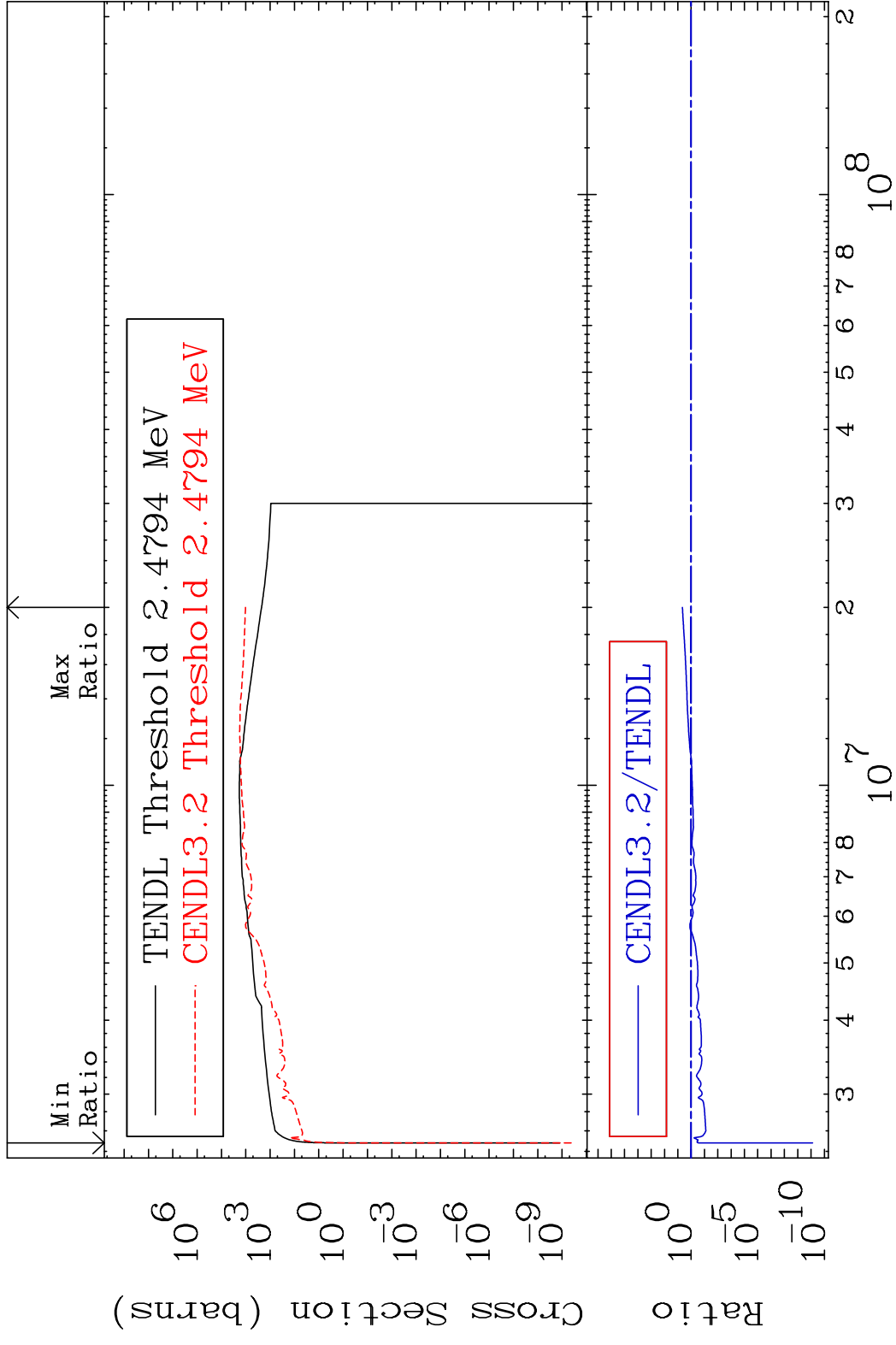
Incident Energy (eV)

7-N -14

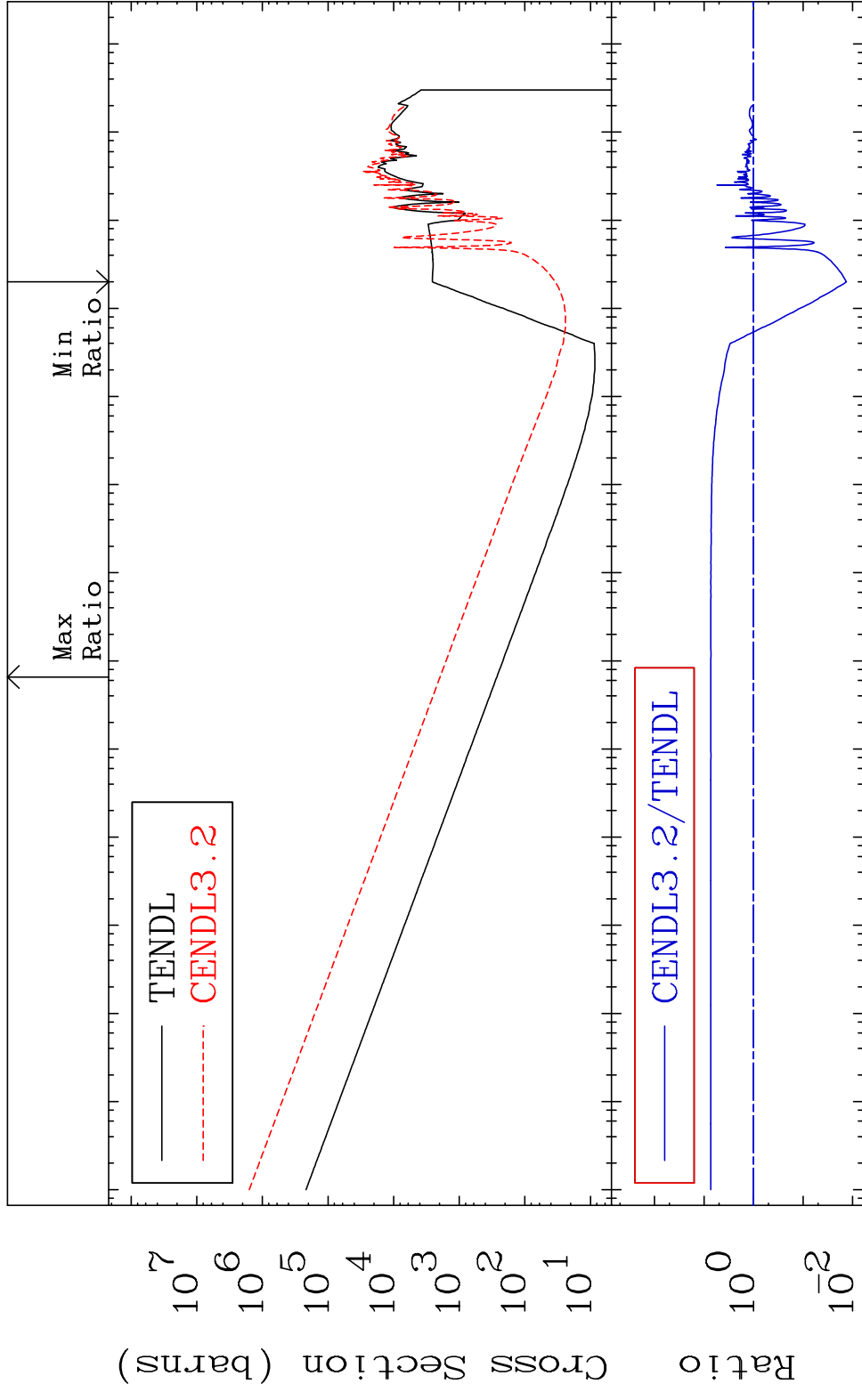
MAT 725 Dpa elastic (mt2) 7-N -14  
 Cross Section -68.97 To 133.5 %



MAT 725 Dpa inelastic (mt51-91) 7-N -14  
 Cross Section -100.0 To 356.8 %



MAT 725    Dpa disappearance (mt102 -120)    7-N -14  
 Cross Section    -98.66 To 634.7 %



45    Incident Energy (eV)    7-N -14