

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

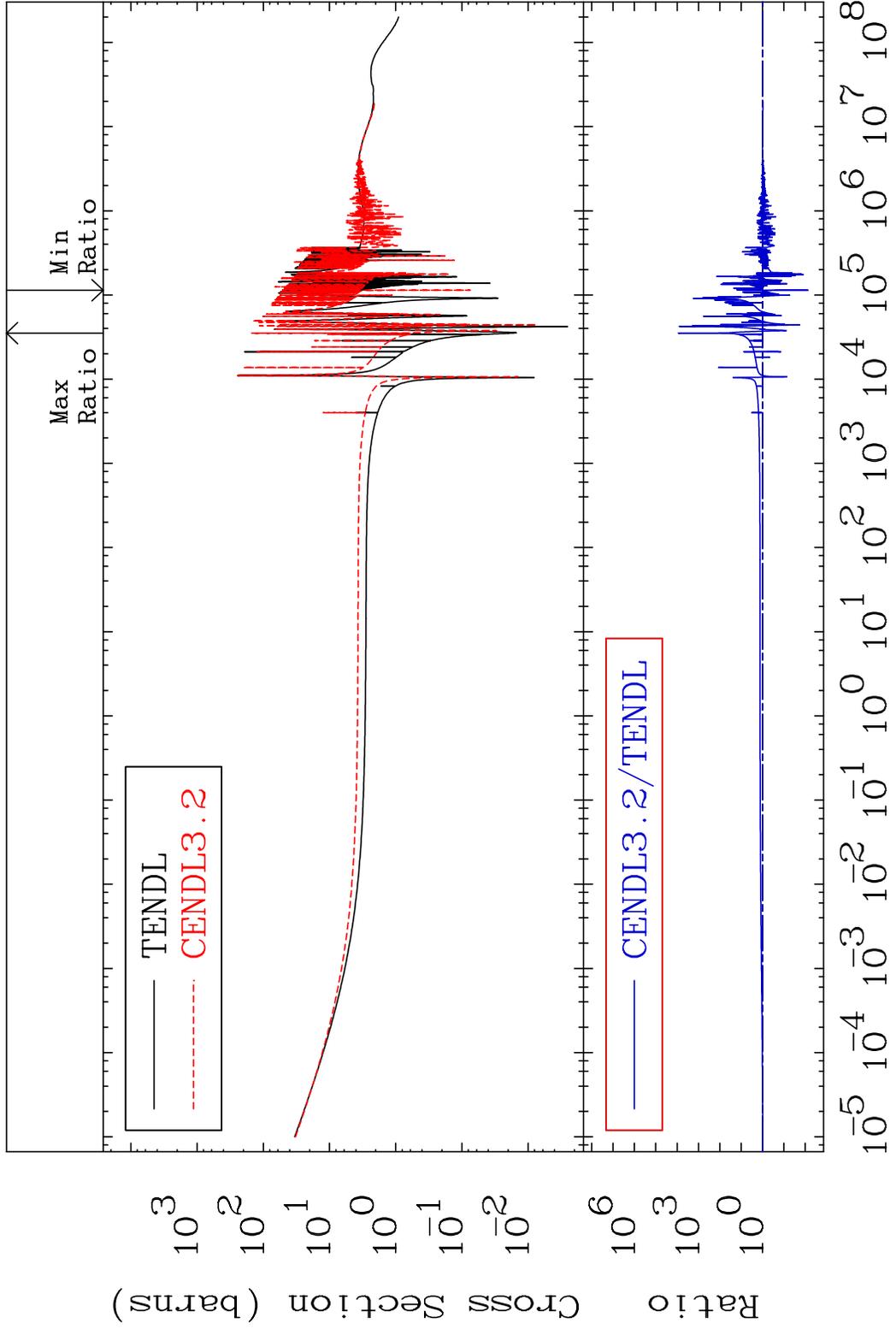
U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

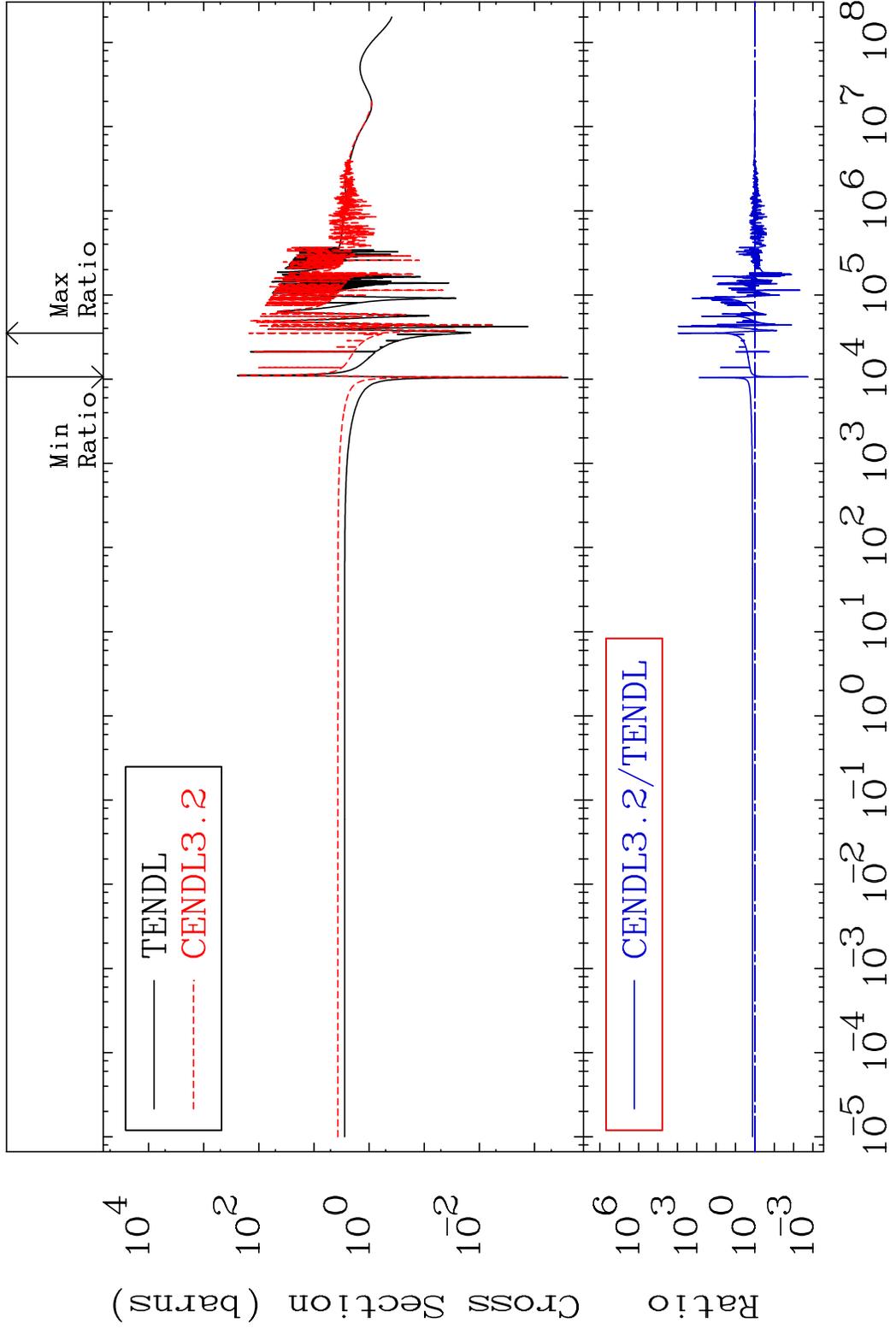
Press Mouse Button to Start

MAT 2225 Total 22-Ti-46
 Cross Section -99.24 To 9999. %

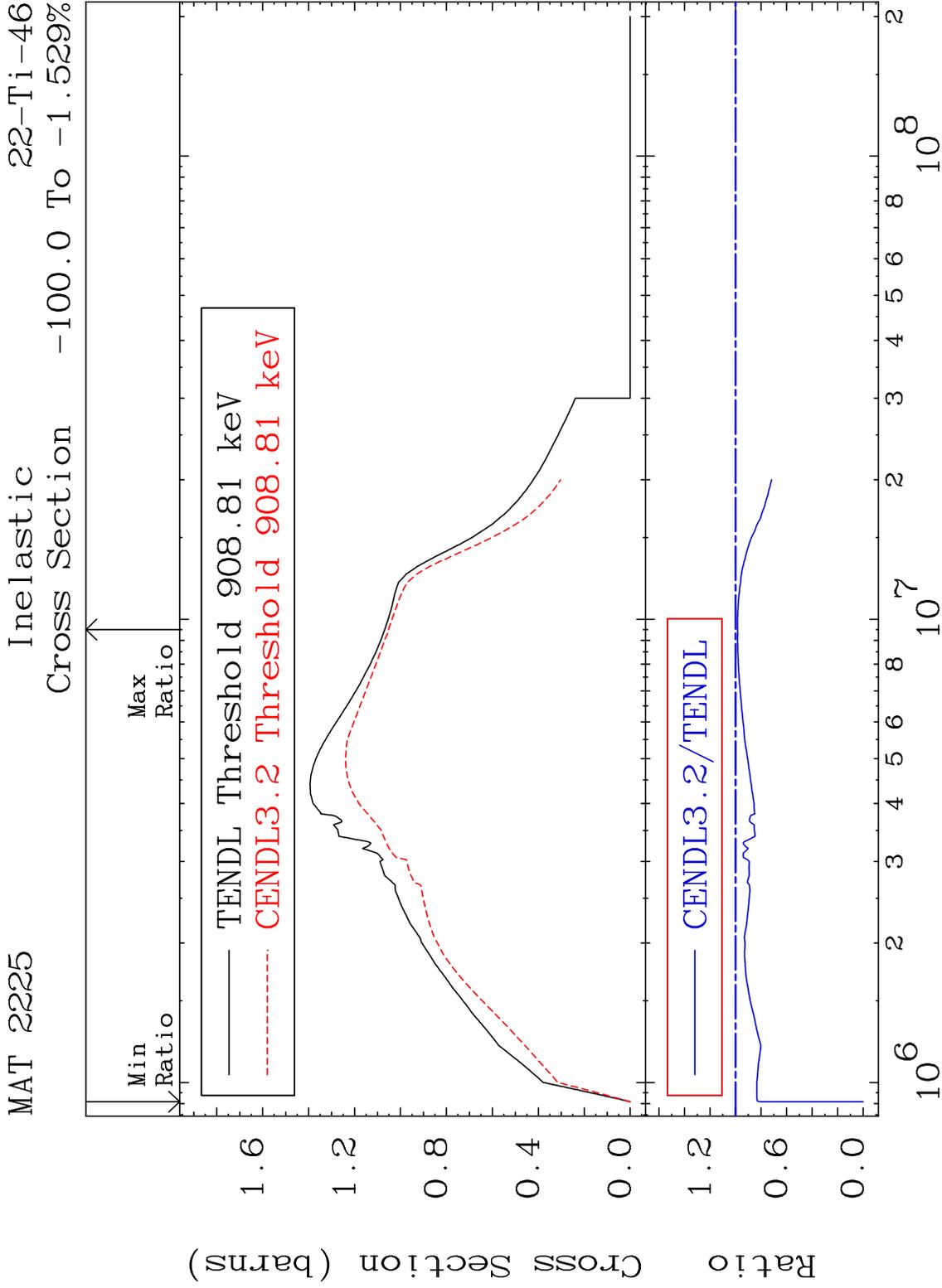


1 Incident Energy (eV) 22-Ti-46

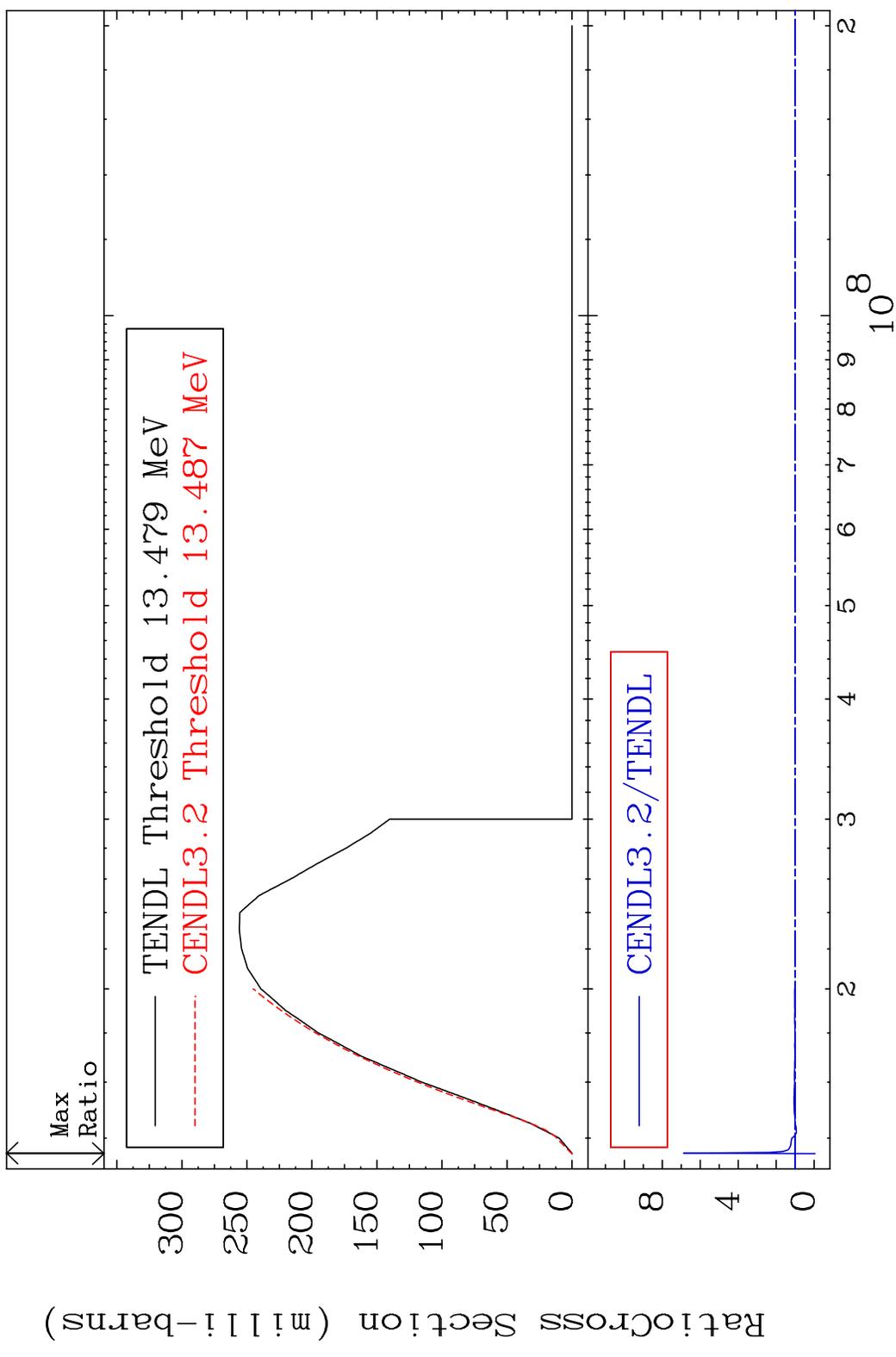
MAT 2225 Elastic 22-Ti-46
Cross Section -99.82 To 9999. %



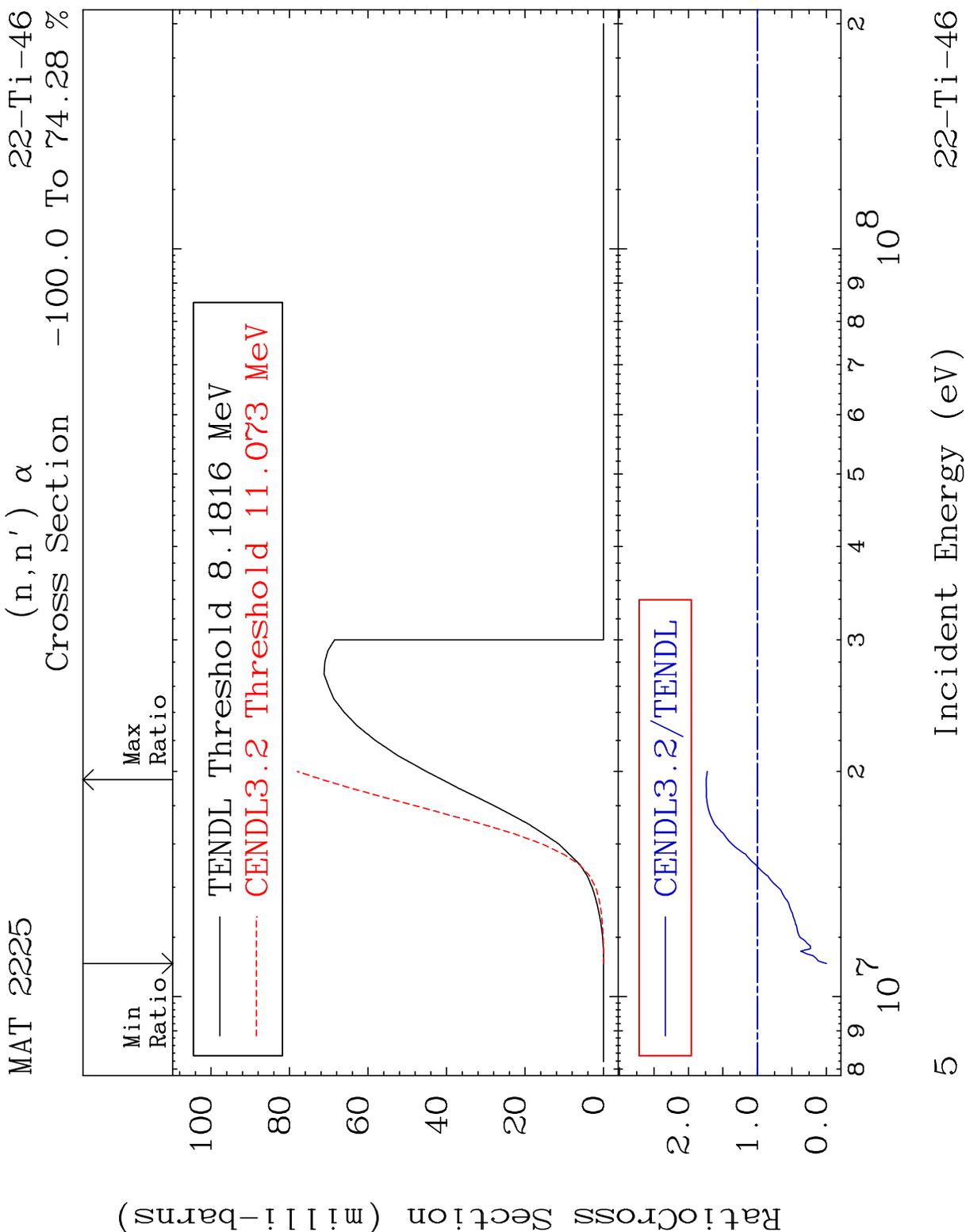
2 Incident Energy (eV) 22-Ti-46

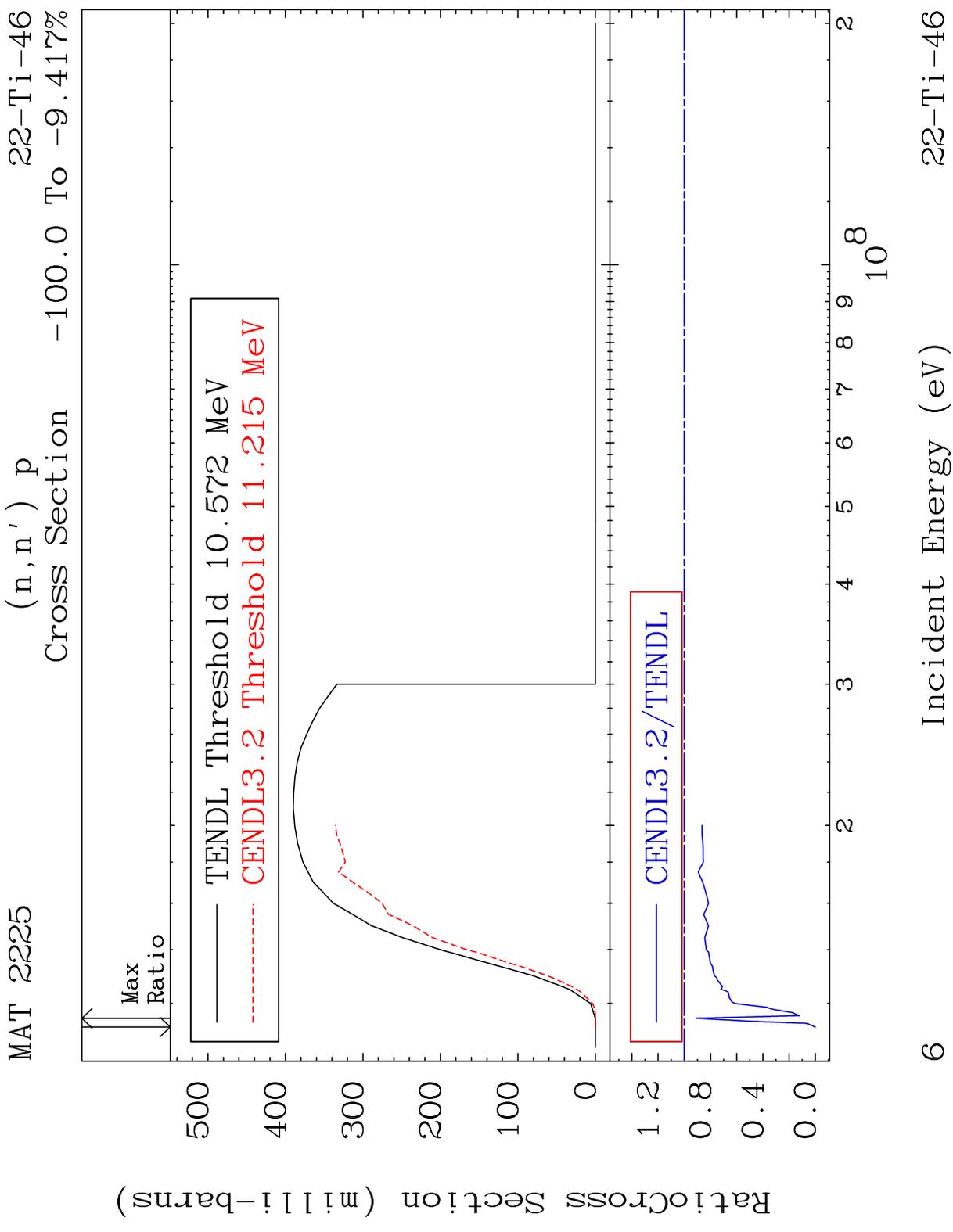


MAT 2225 (n,2n) 22-Ti-46
 Cross Section -100.0 To 588.4 %

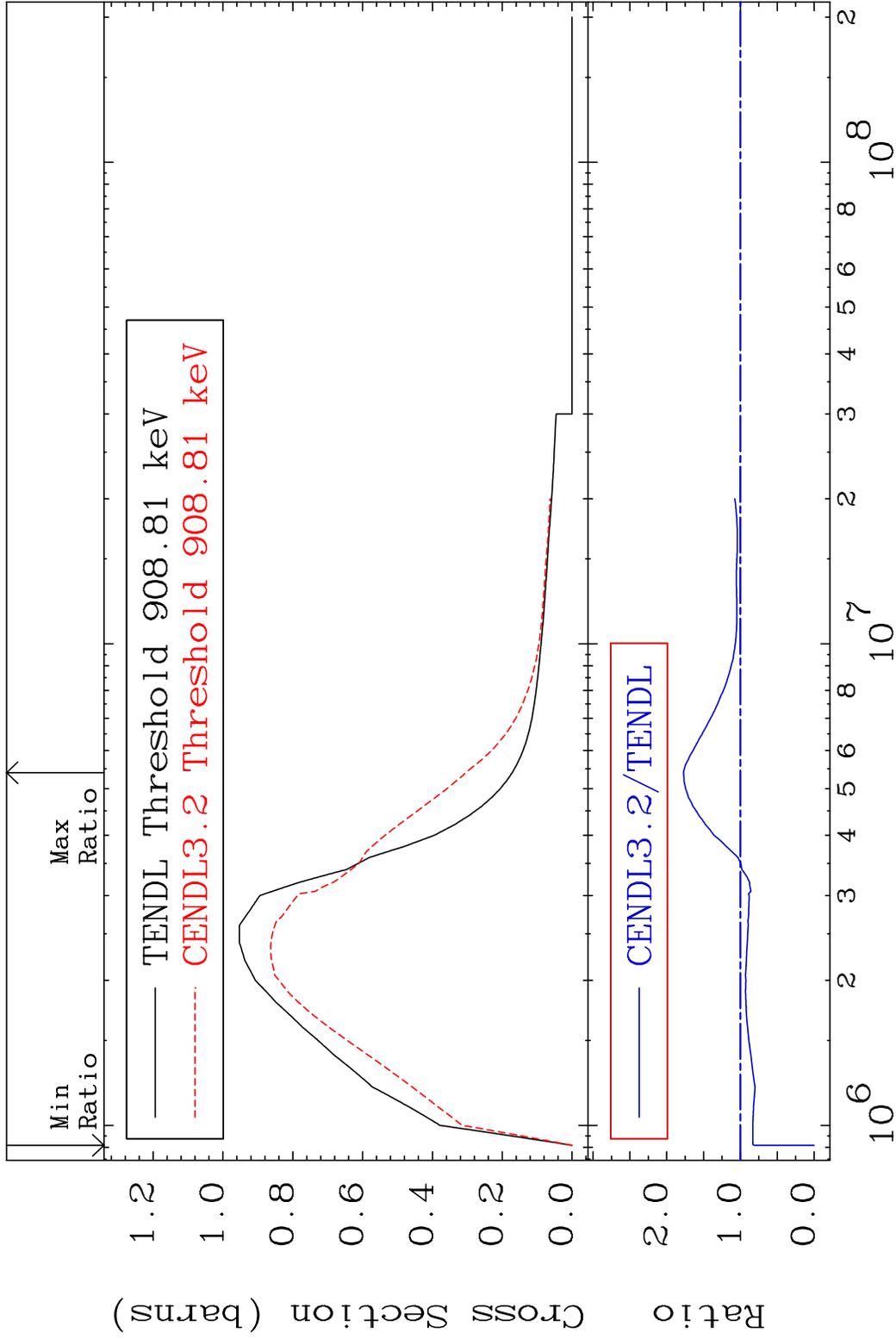


4 22-Ti-46



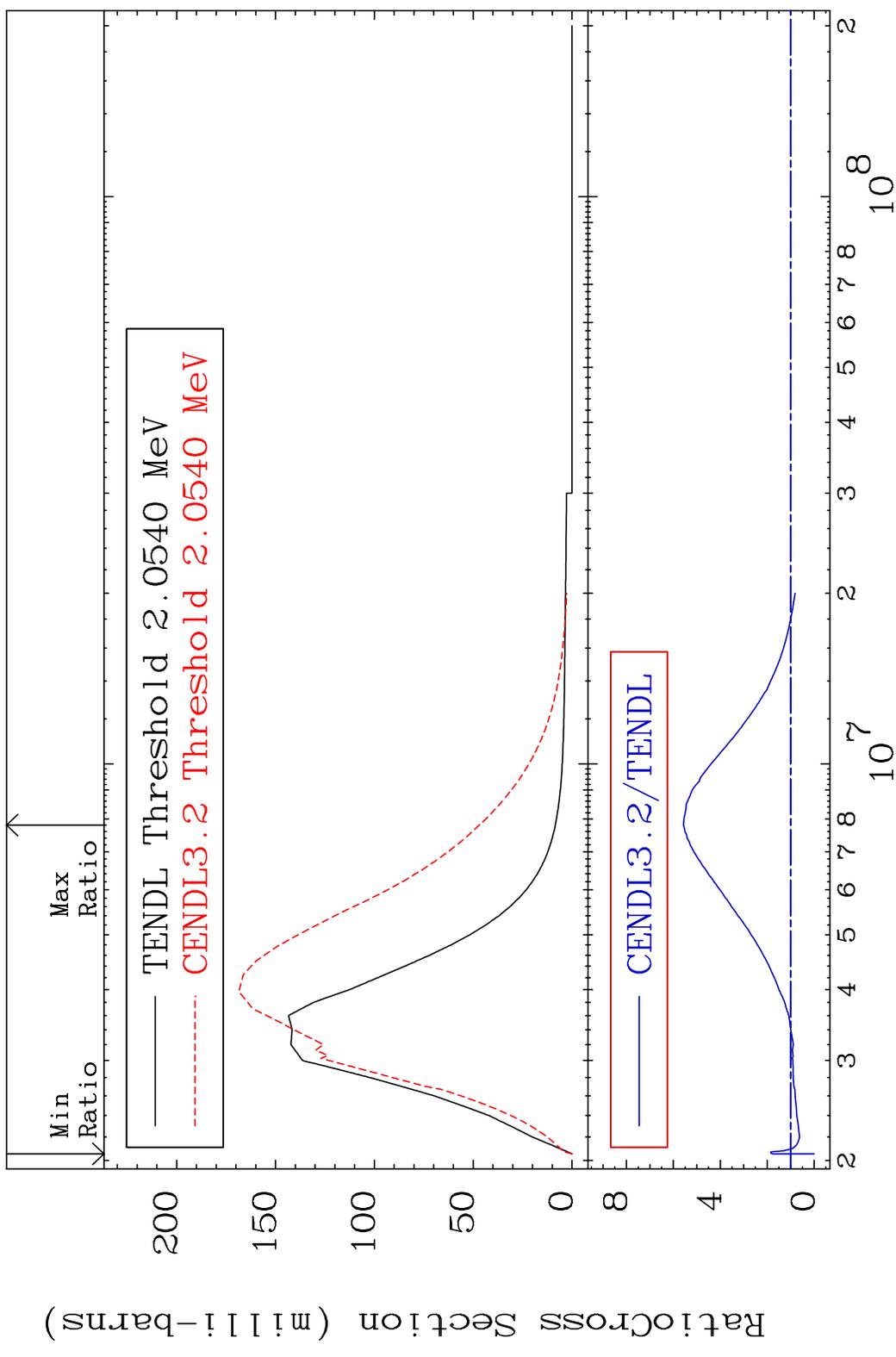


MAT 2225 MT= 51 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 77.23 %



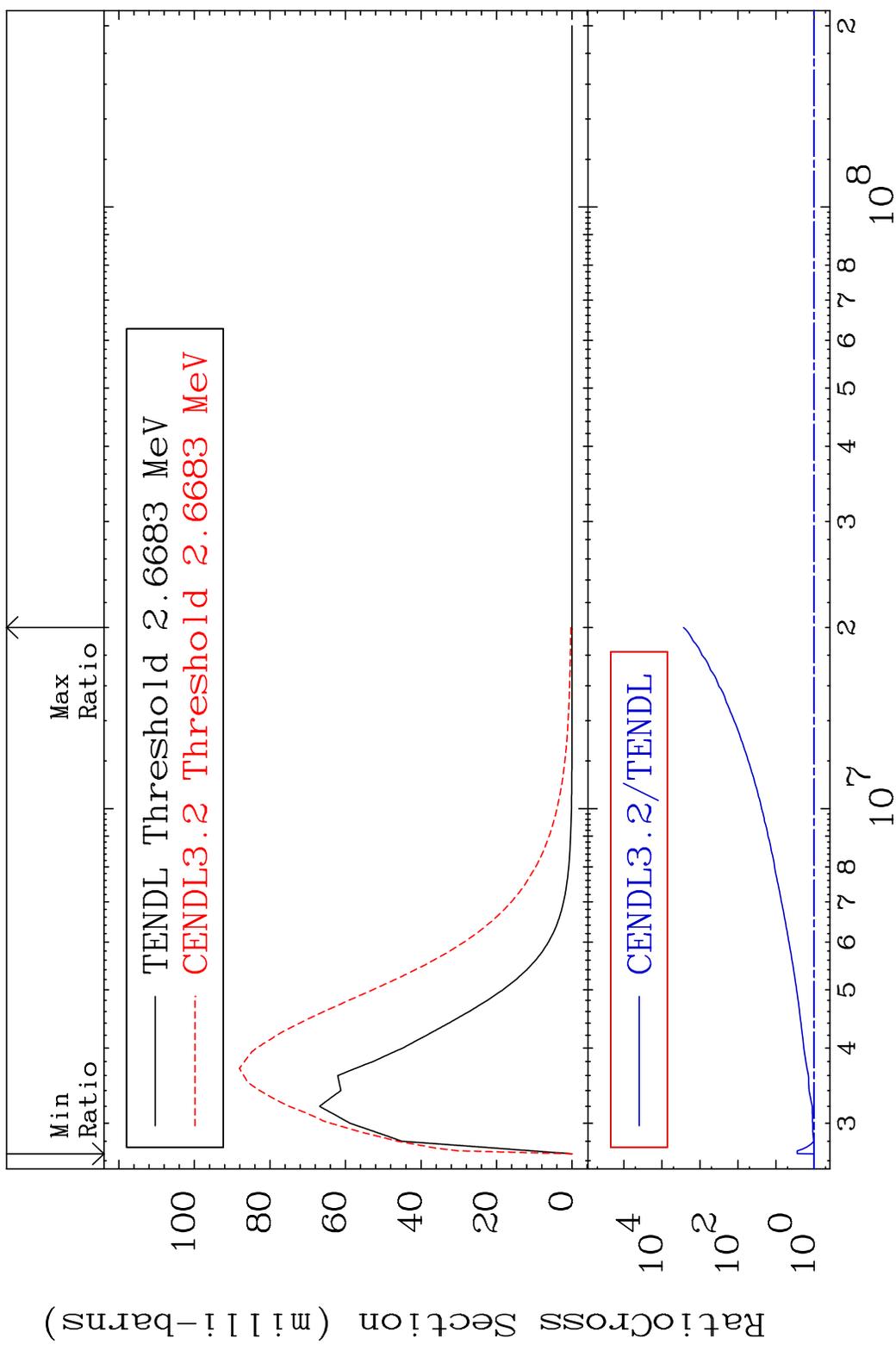
7 Incident Energy (eV) 22-Ti-46

MAT 2225 MT= 52 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 456.7 %

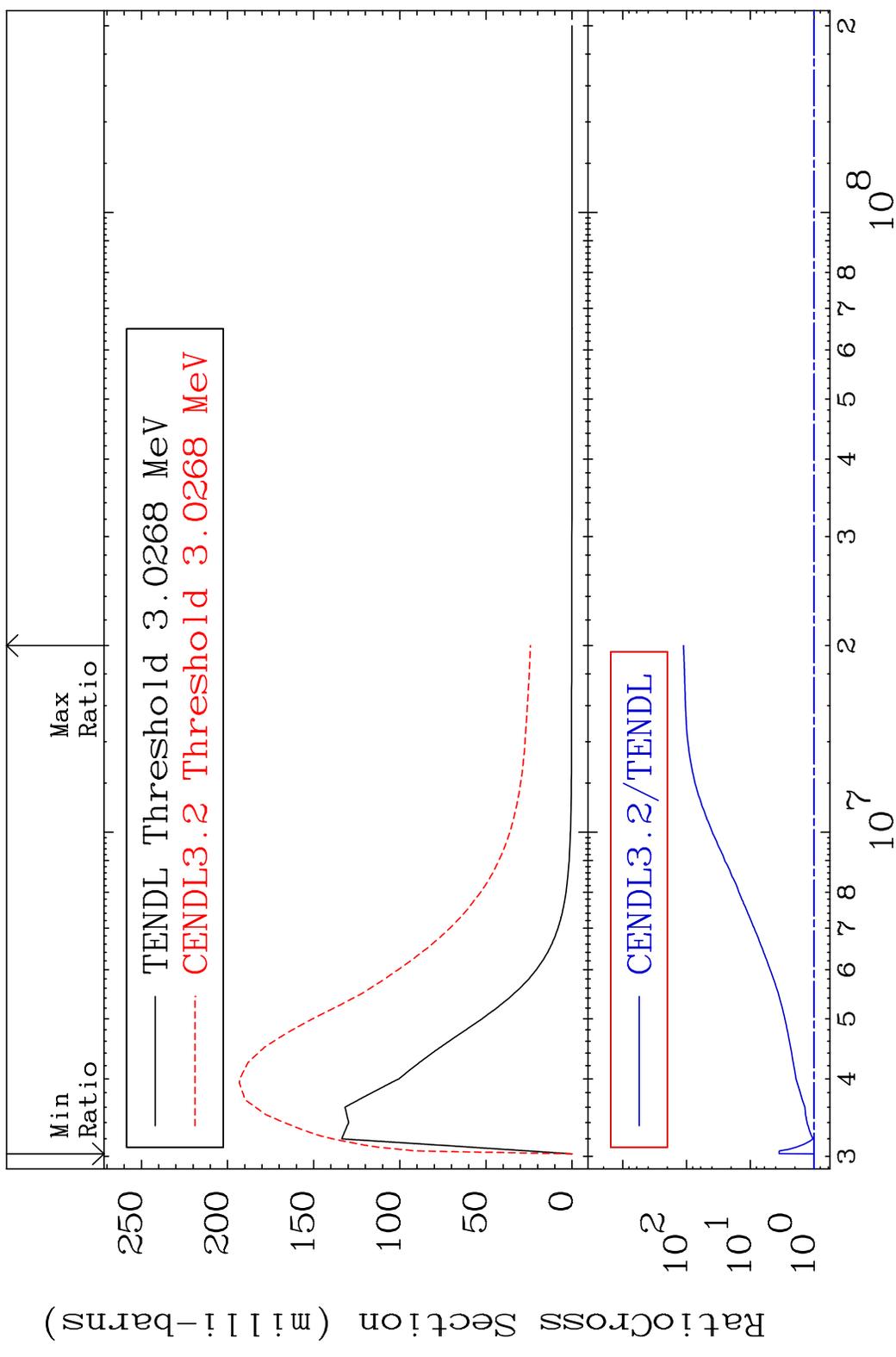


8 Incident Energy (eV) 22-Ti-46

MAT 2225 MT= 53 (n, n') Level 22-Ti-46
 Cross Section 0.000 To 9999. %

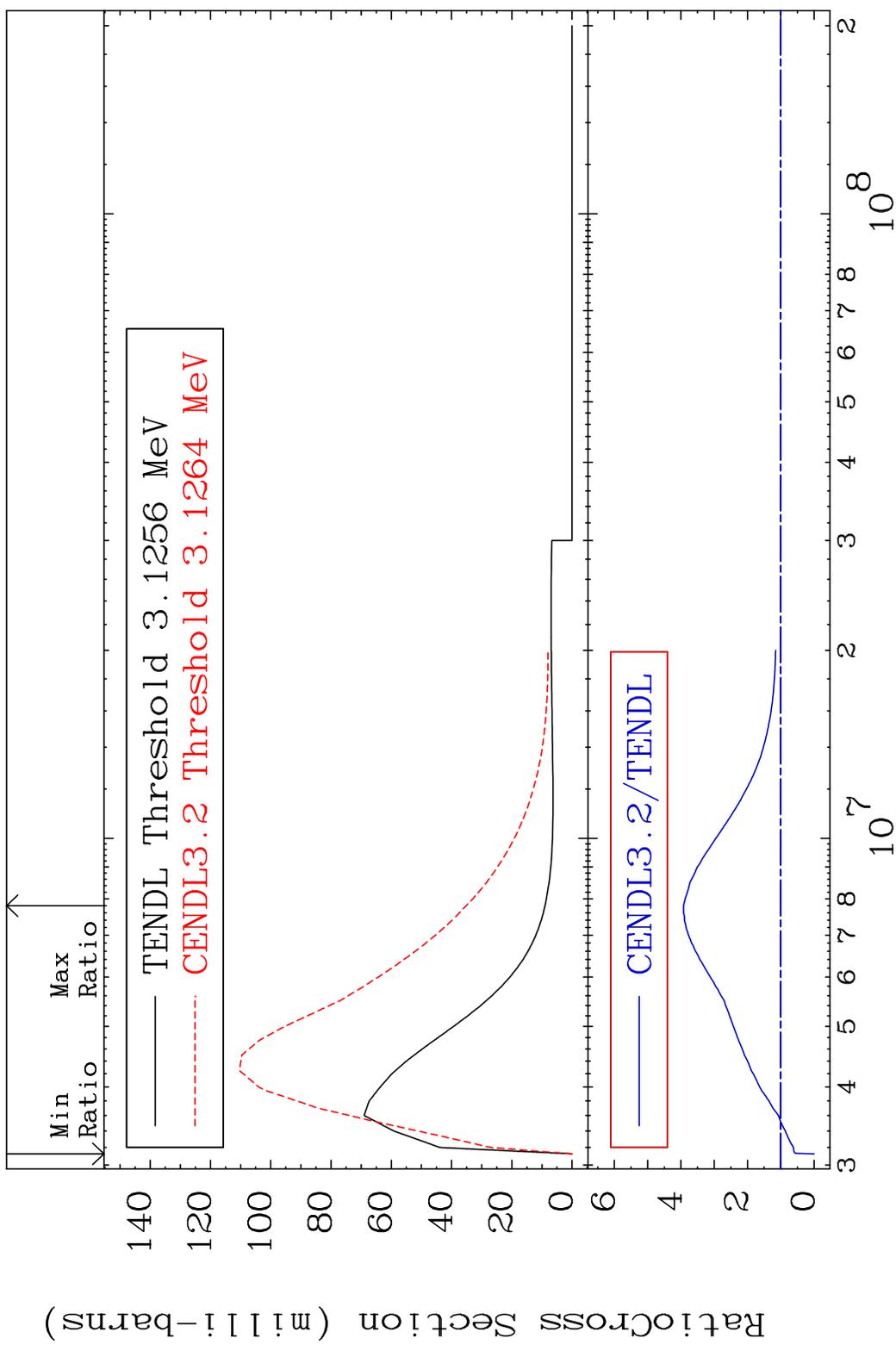


MAT 2225 MT= 54 (n, n') Level 22-Ti-46
 Cross Section 0.000 To 9999. %



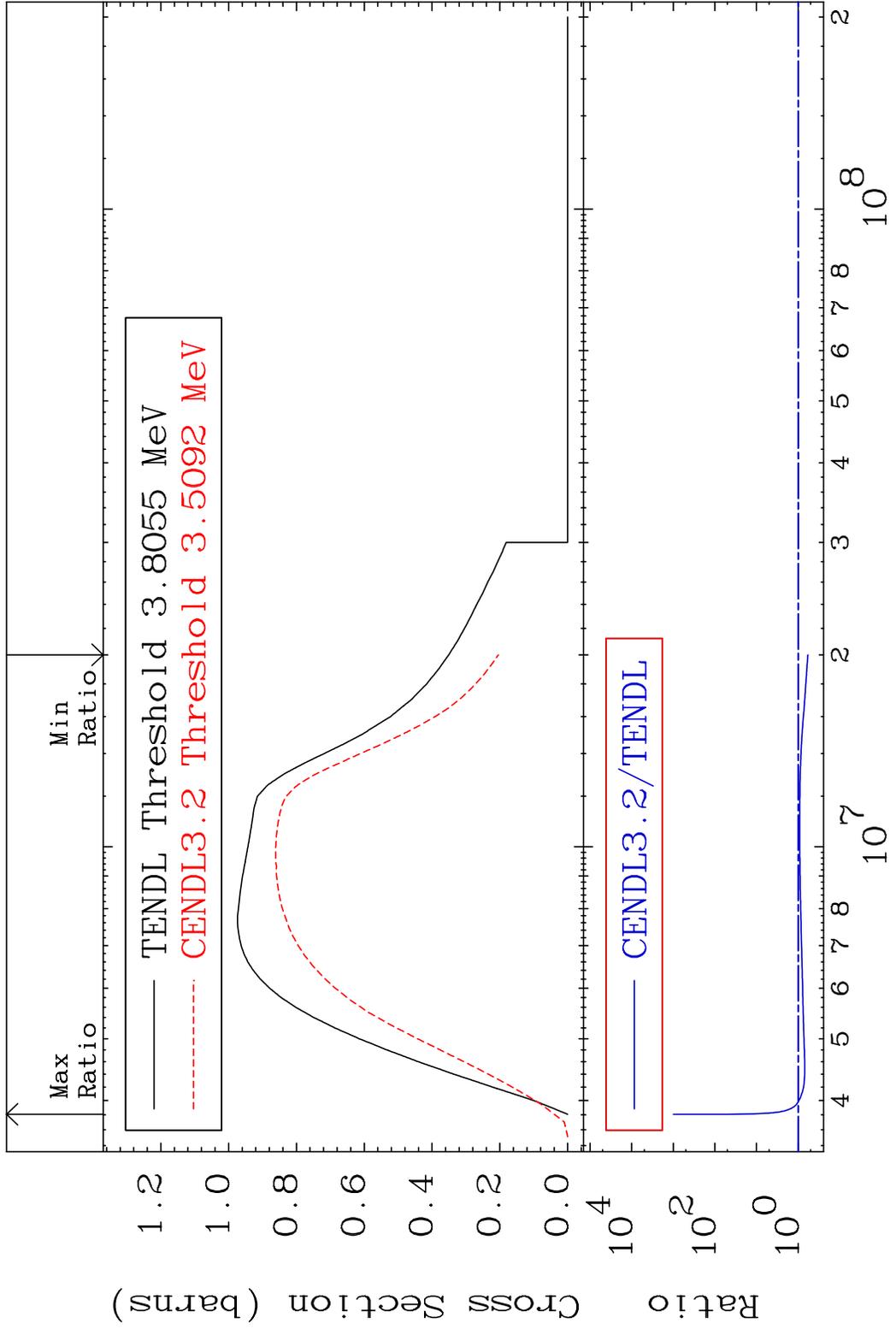
10 Incident Energy (eV) 22-Ti-46

MAT 2225 MT= 55 (n, n') Level 22-Ti-46
 Cross Section -100.0 To 292.2 %

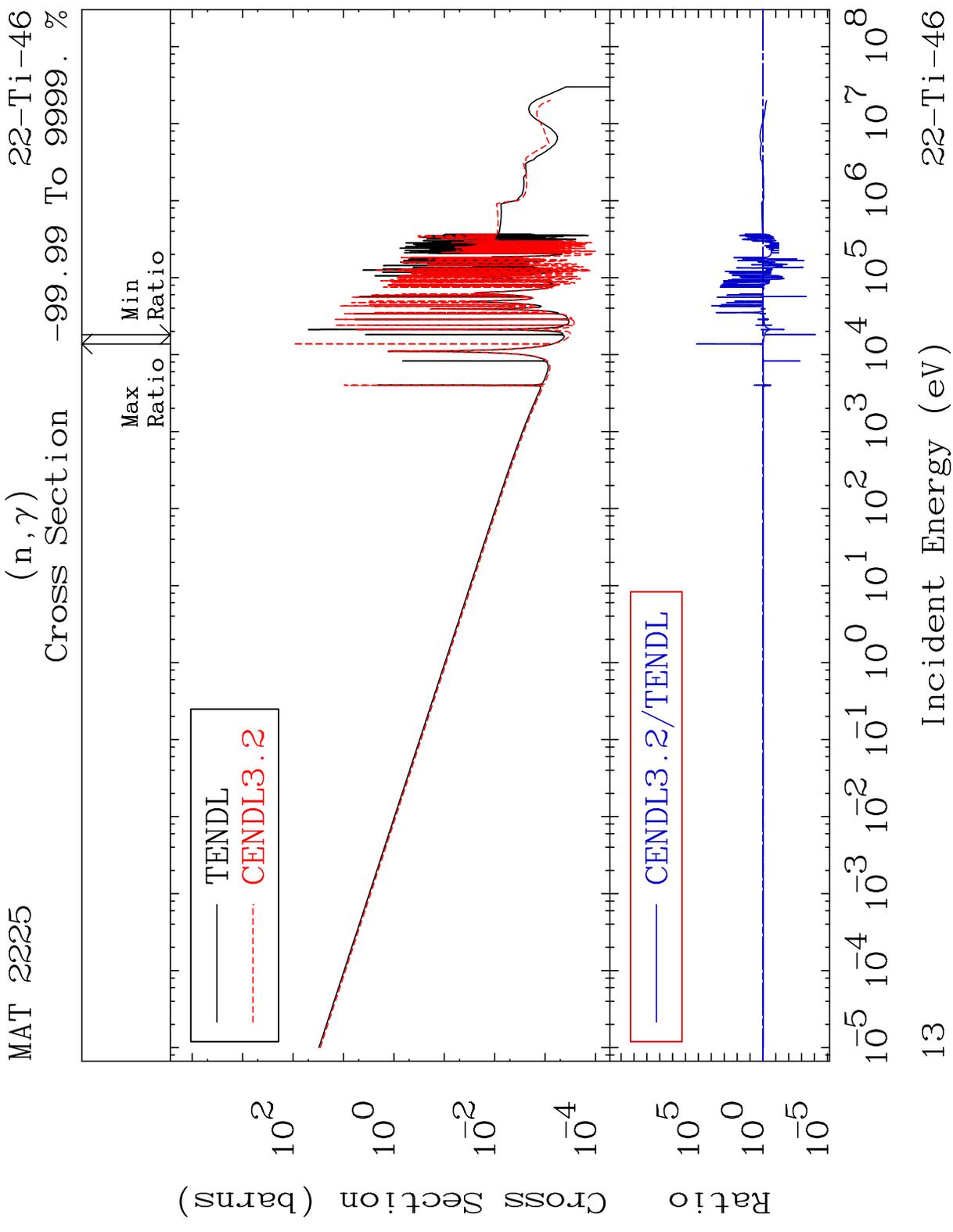


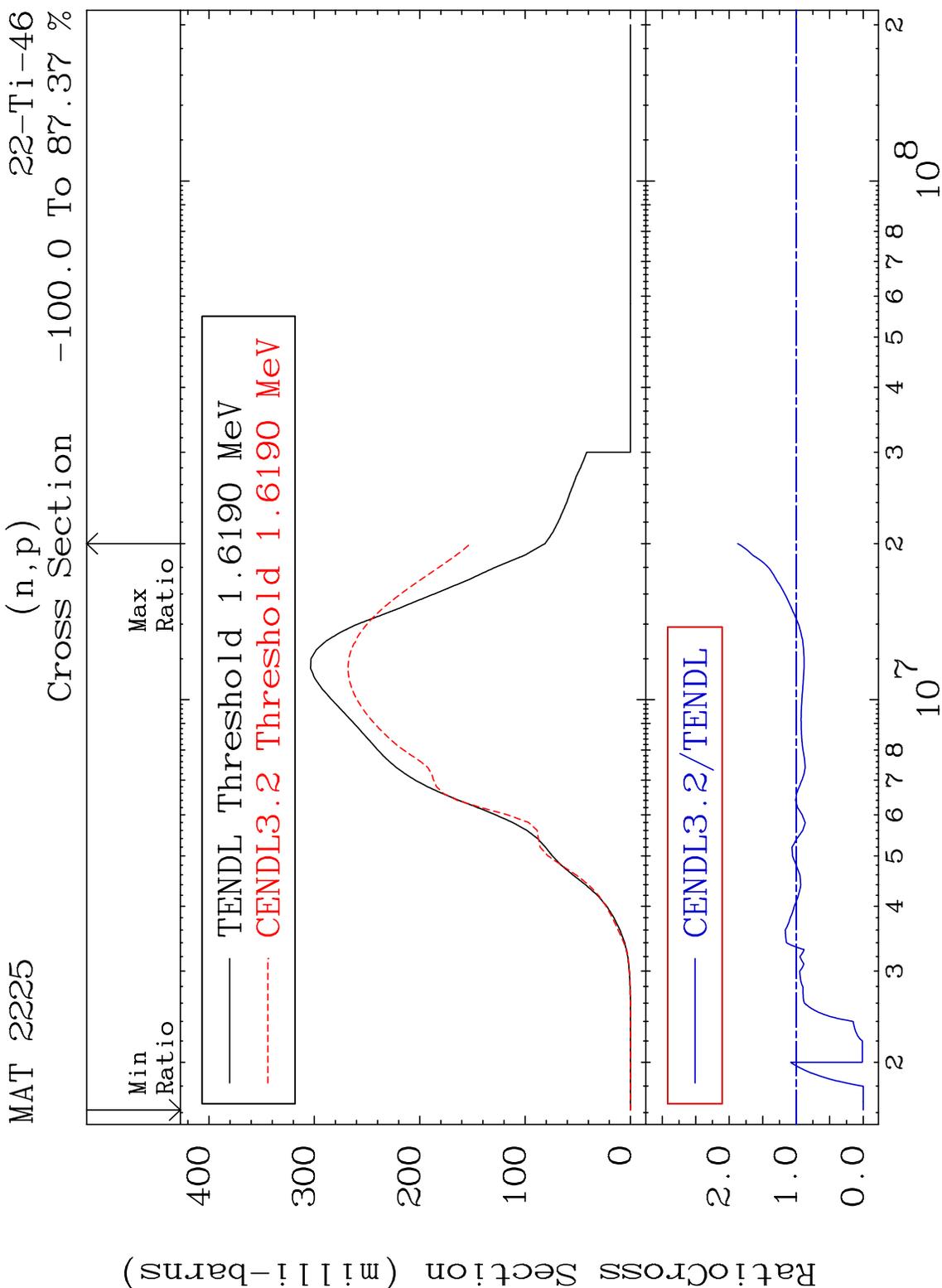
11 Incident Energy (eV) 22-Ti-46

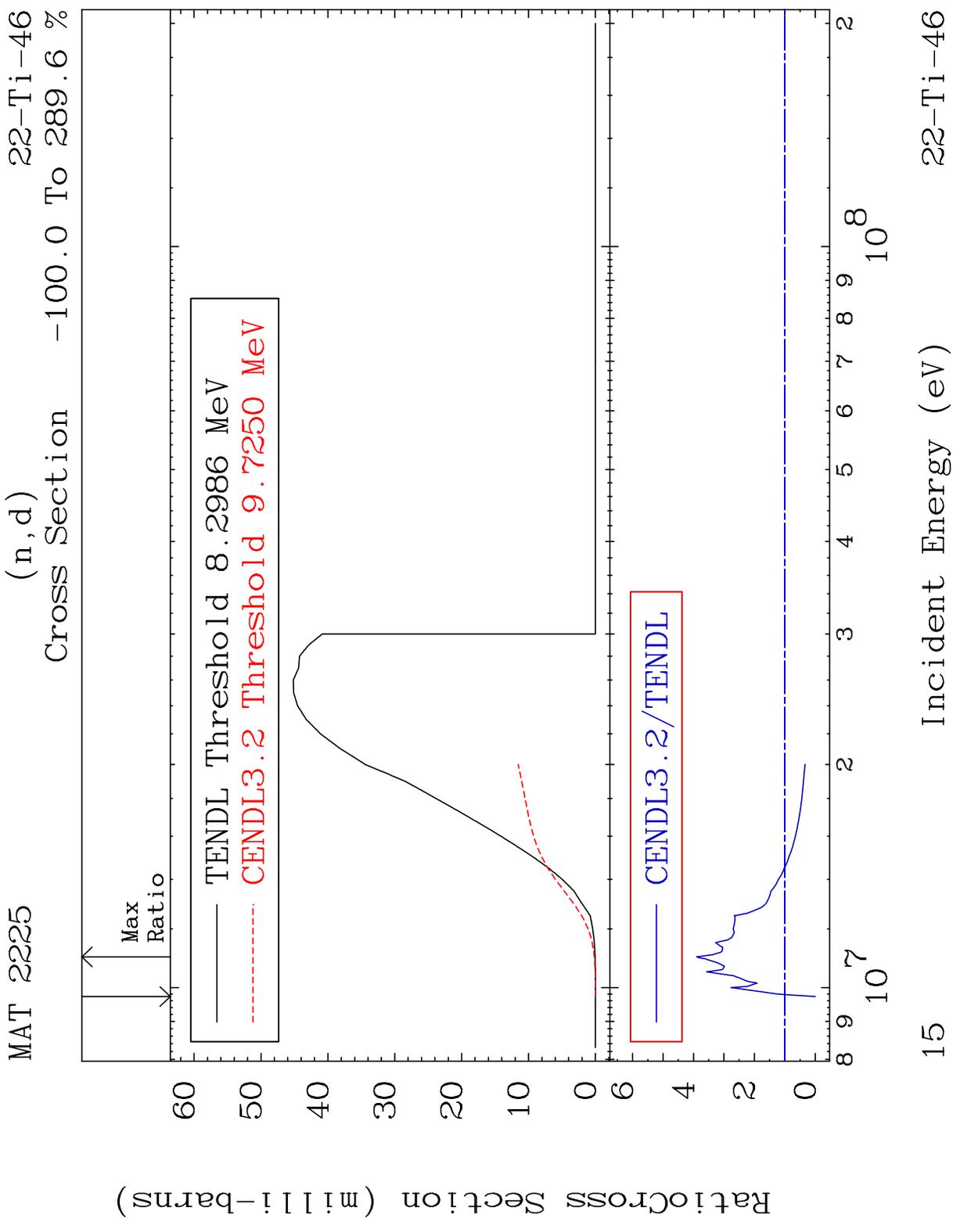
MAT 2225 (n,n') Continuum 22-Ti-46
 Cross Section -41.74 To 9999. %

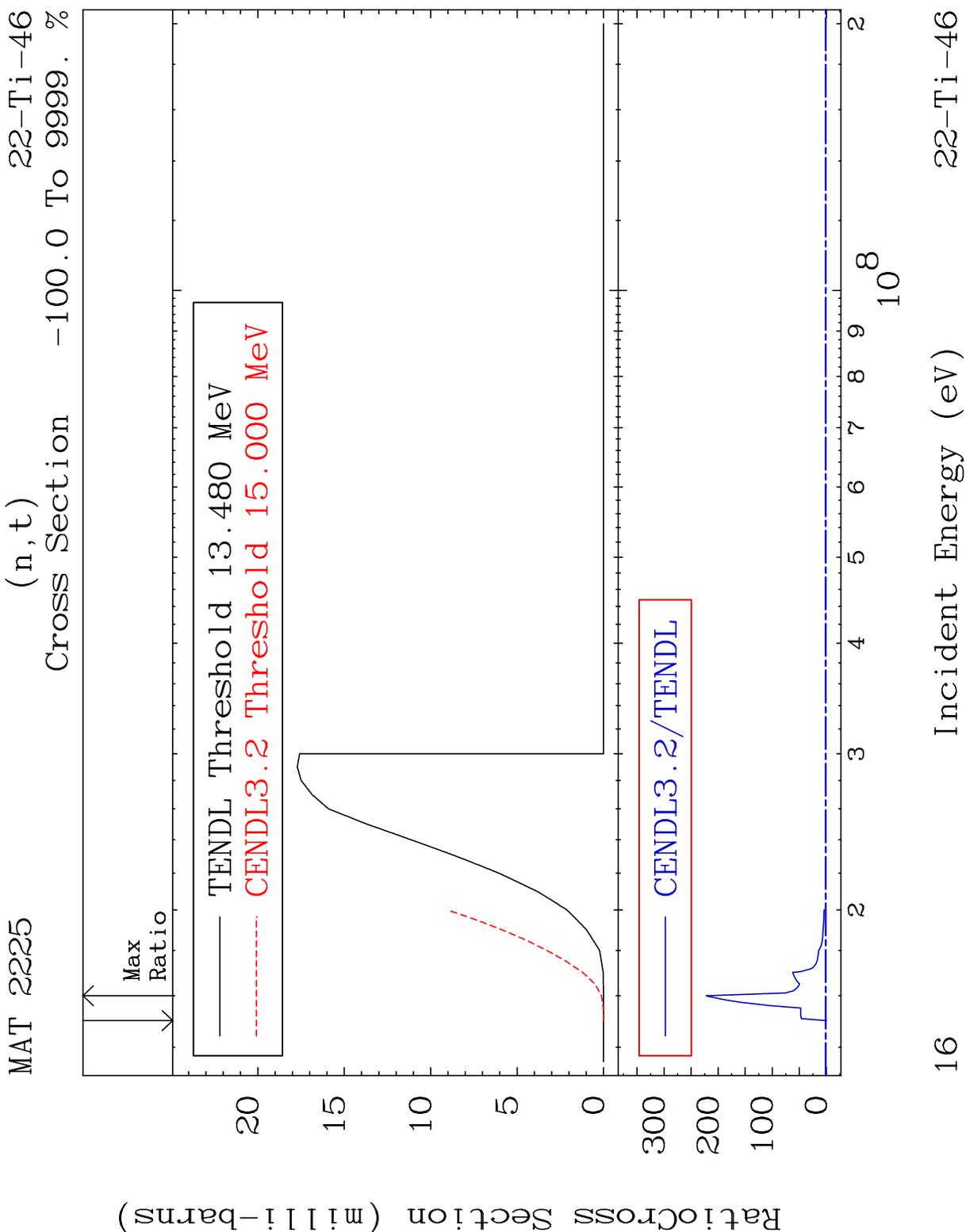


12 Incident Energy (eV) 22-Ti-46

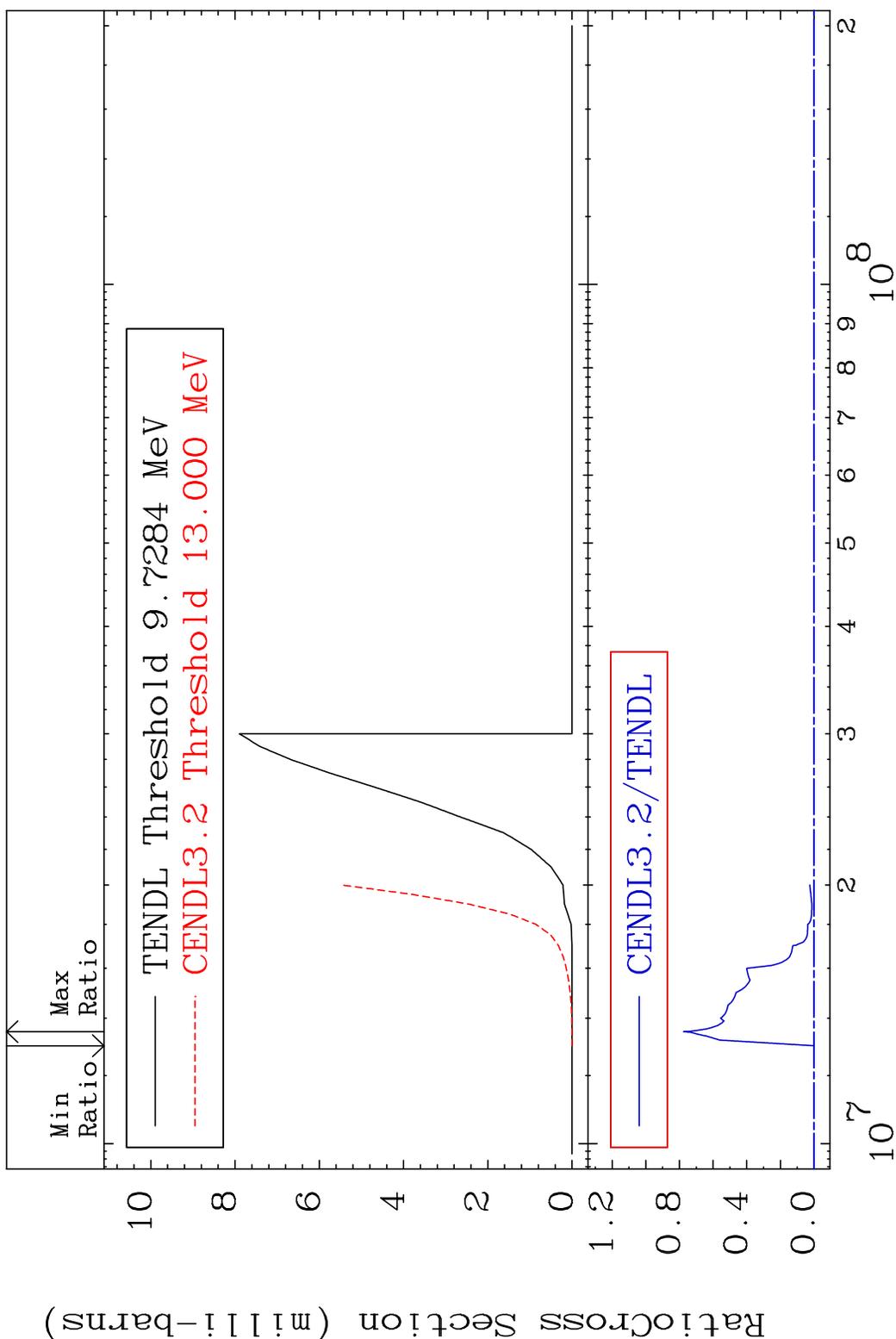




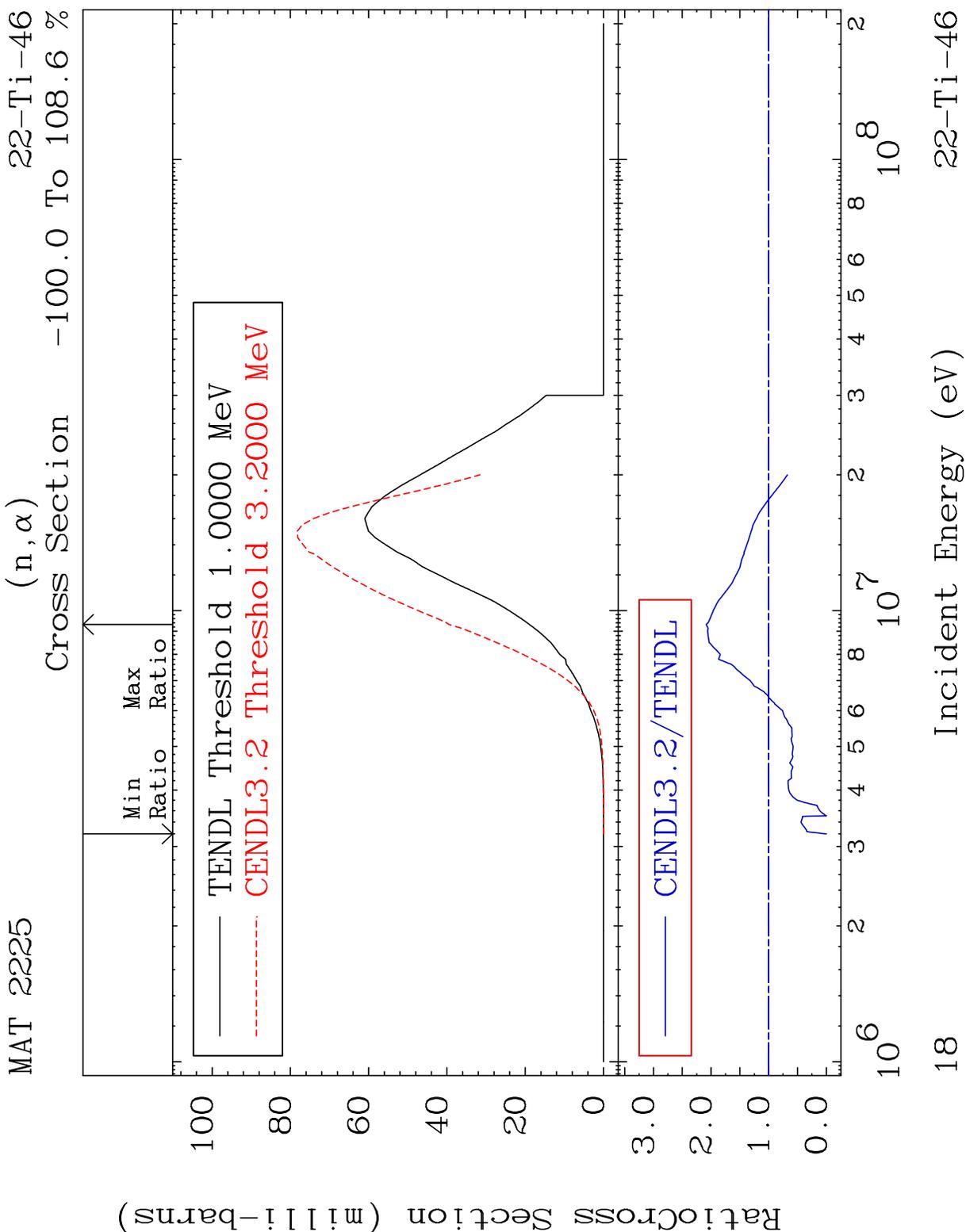


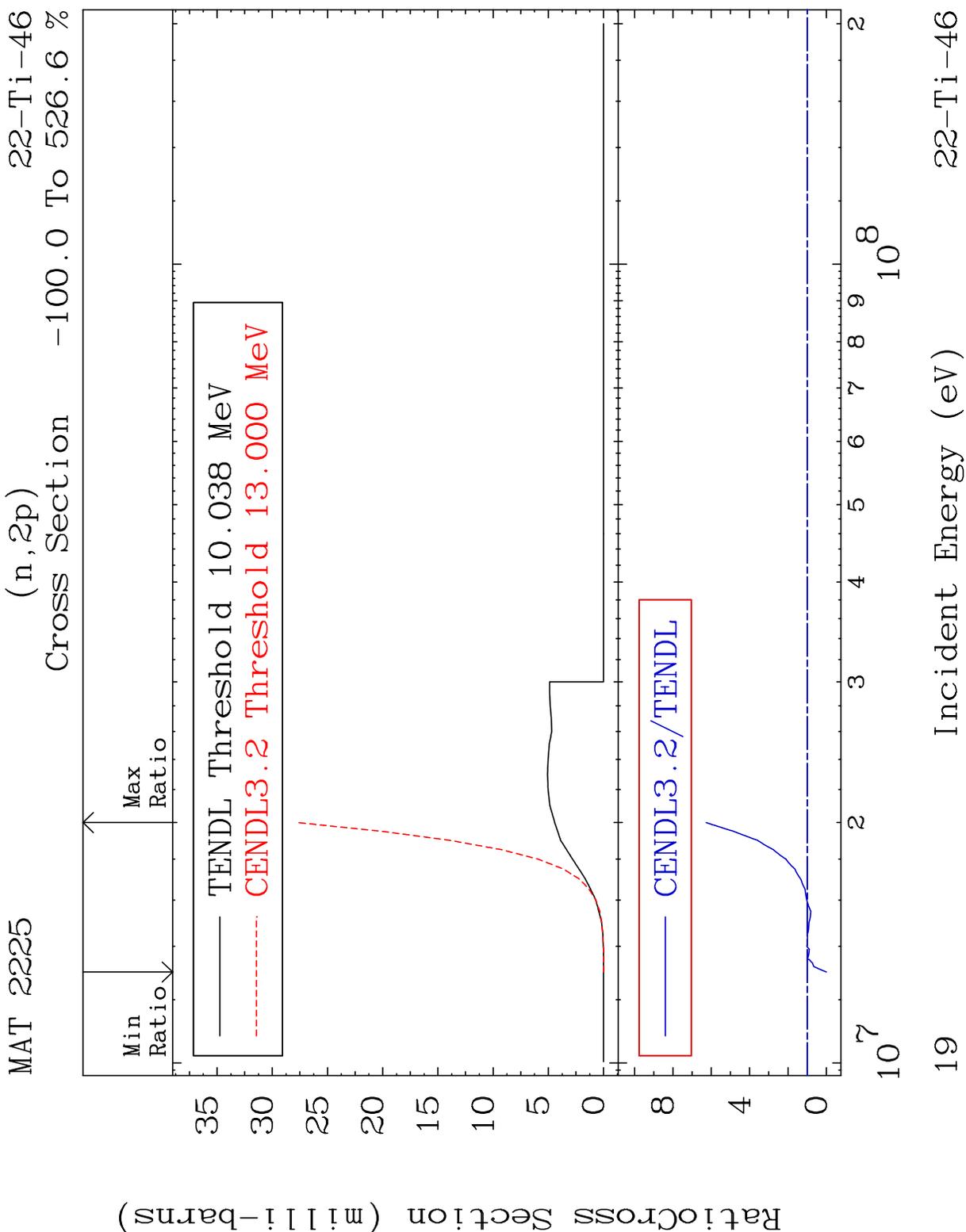


MAT 2225 (n, He-3) 22-Ti-46
 Cross Section -100.0 To 9999. %

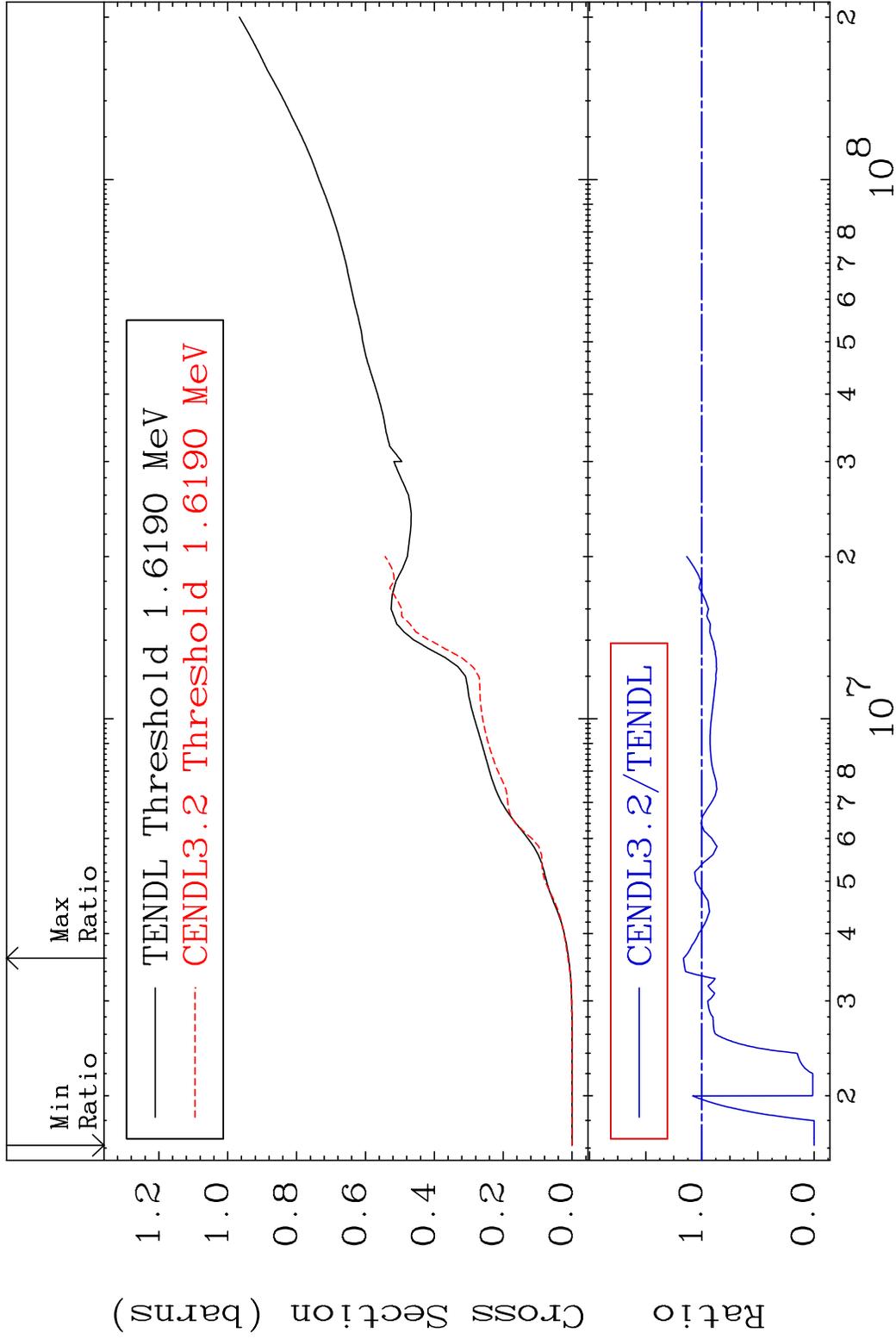


17 Incident Energy (eV) 22-Ti-46



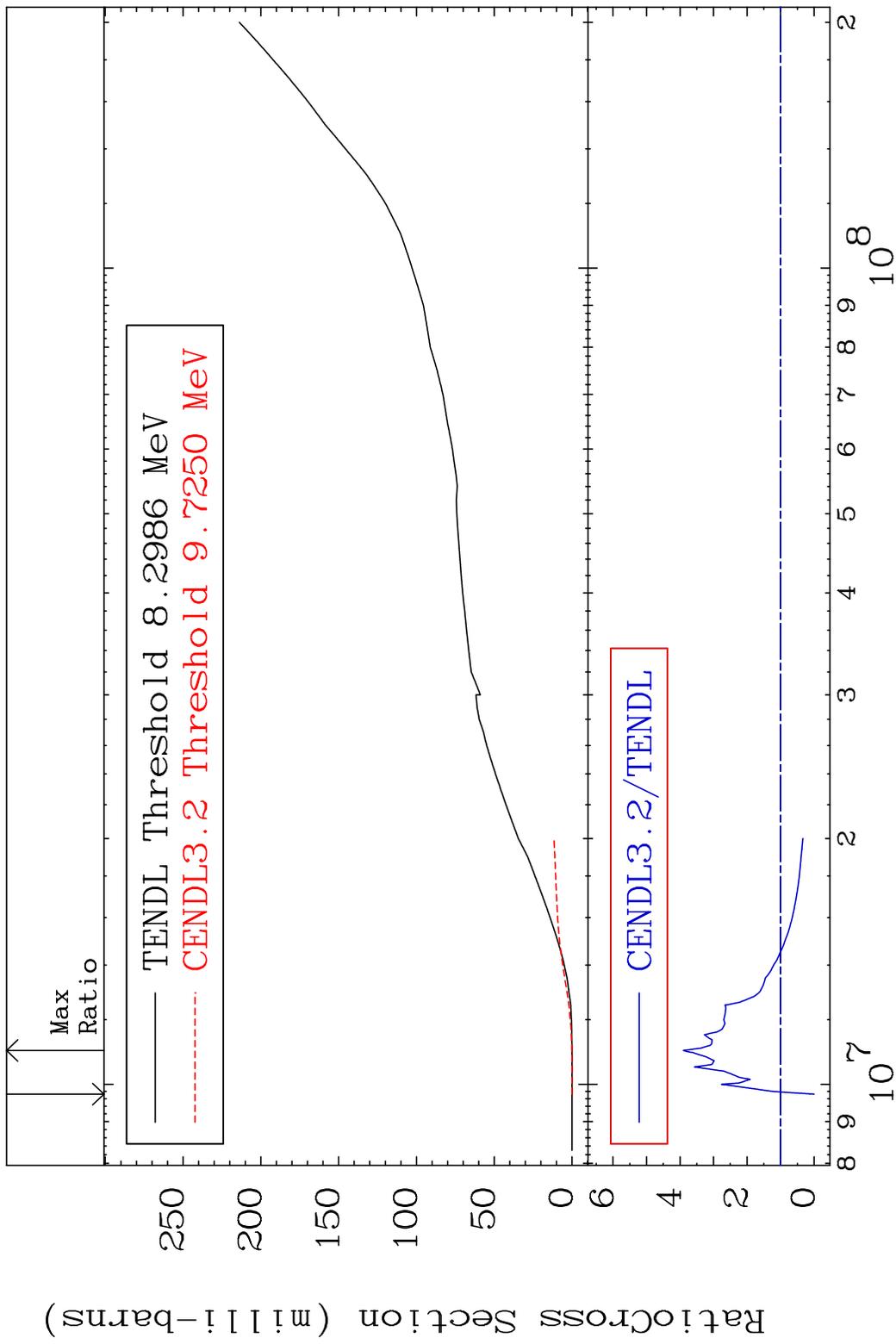


MAT 2225 Hydrogen Production $^{22}\text{Ti-46}$
 Cross Section -100.0 To 16.33 %



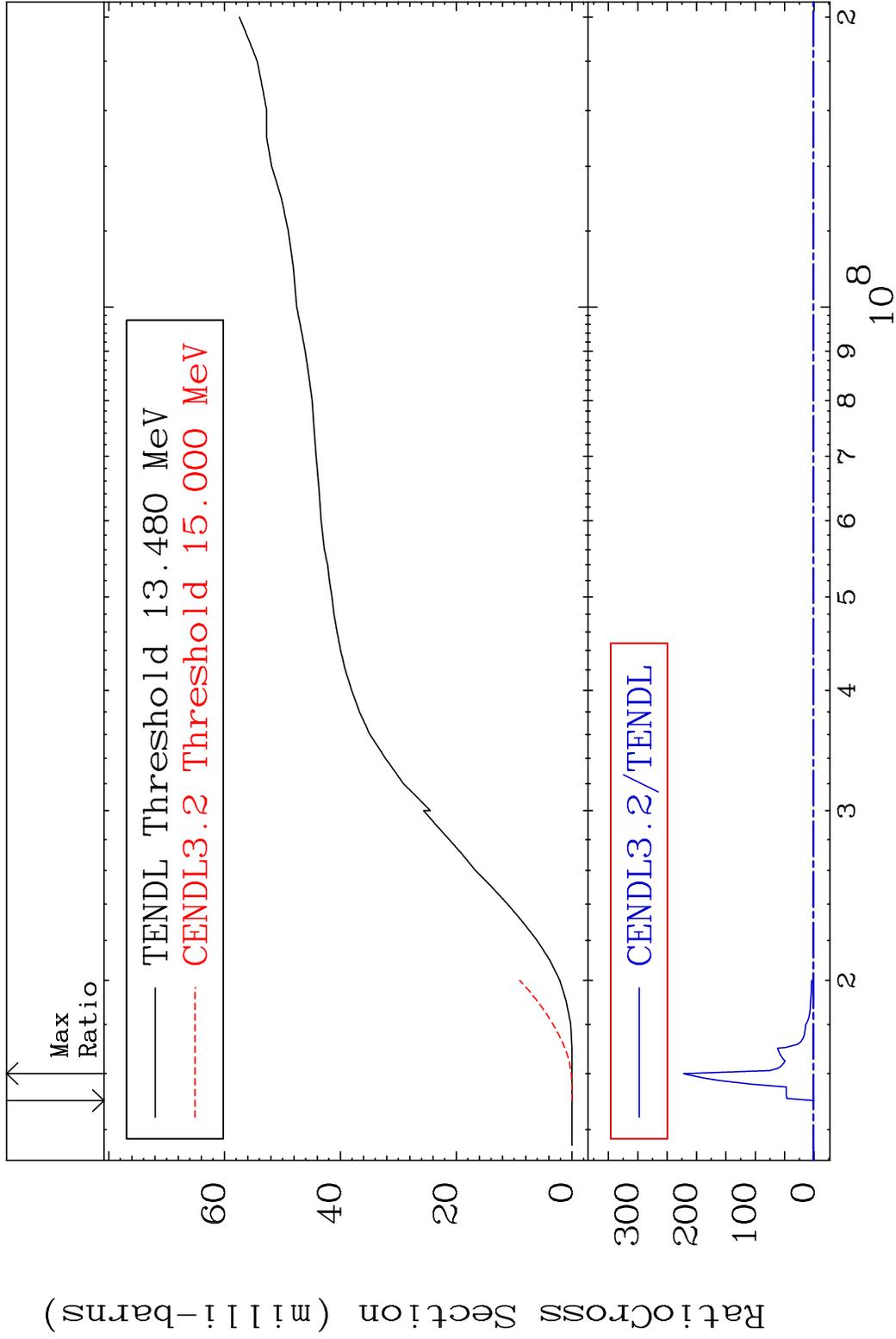
20 Incident Energy (eV) $^{22}\text{Ti-46}$

MAT 2225 Deuterium Production ²²Ti-46
 Cross Section -100.0 To 289.6 %



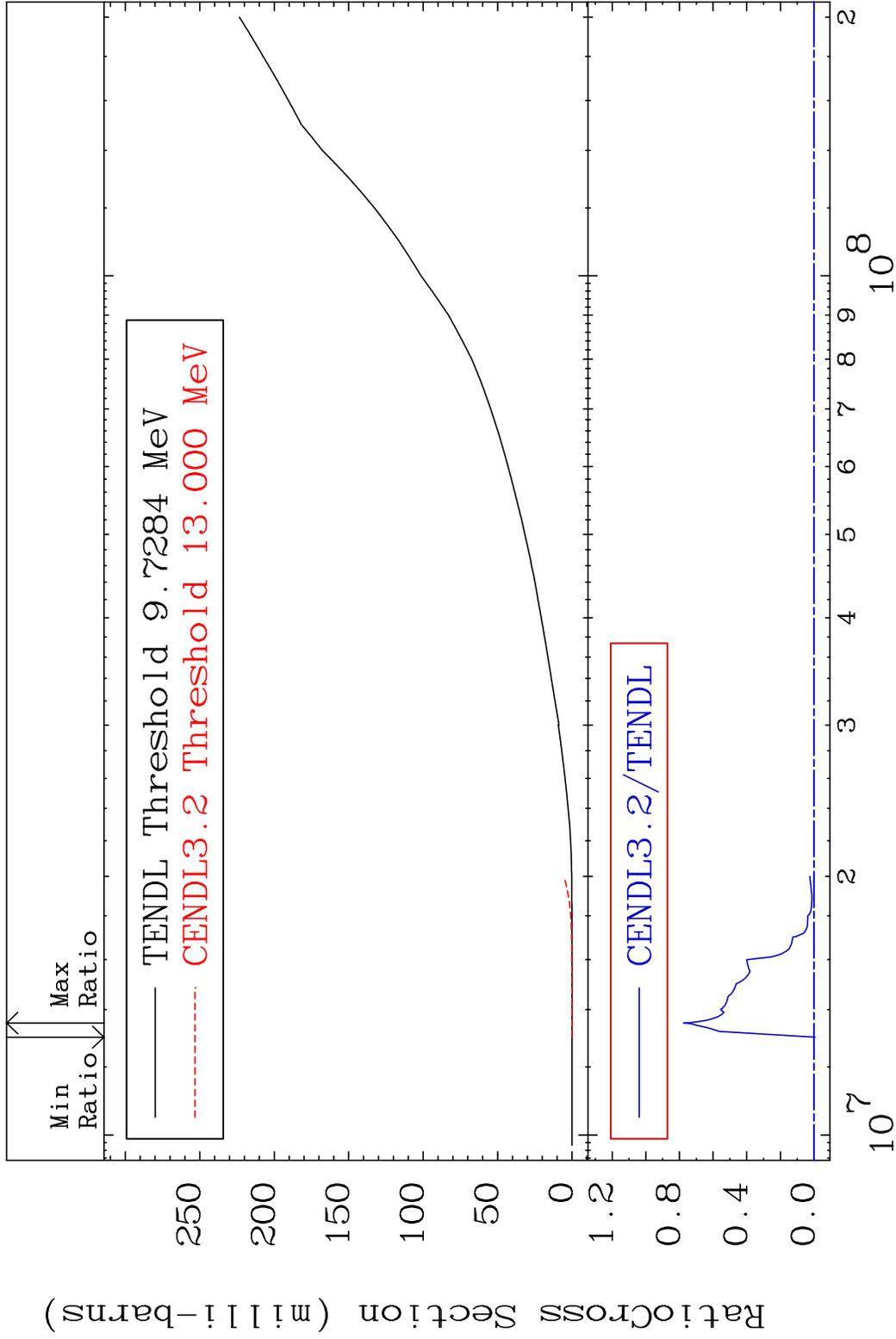
21 ²²Ti-46

MAT 2225 Tritium Production 22-Ti-46
 Cross Section -100.0 To 9999. %



22 22-Ti-46

MAT 2225 He-3 Production 22-Ti-46
 Cross Section -100.0 To 9999. %



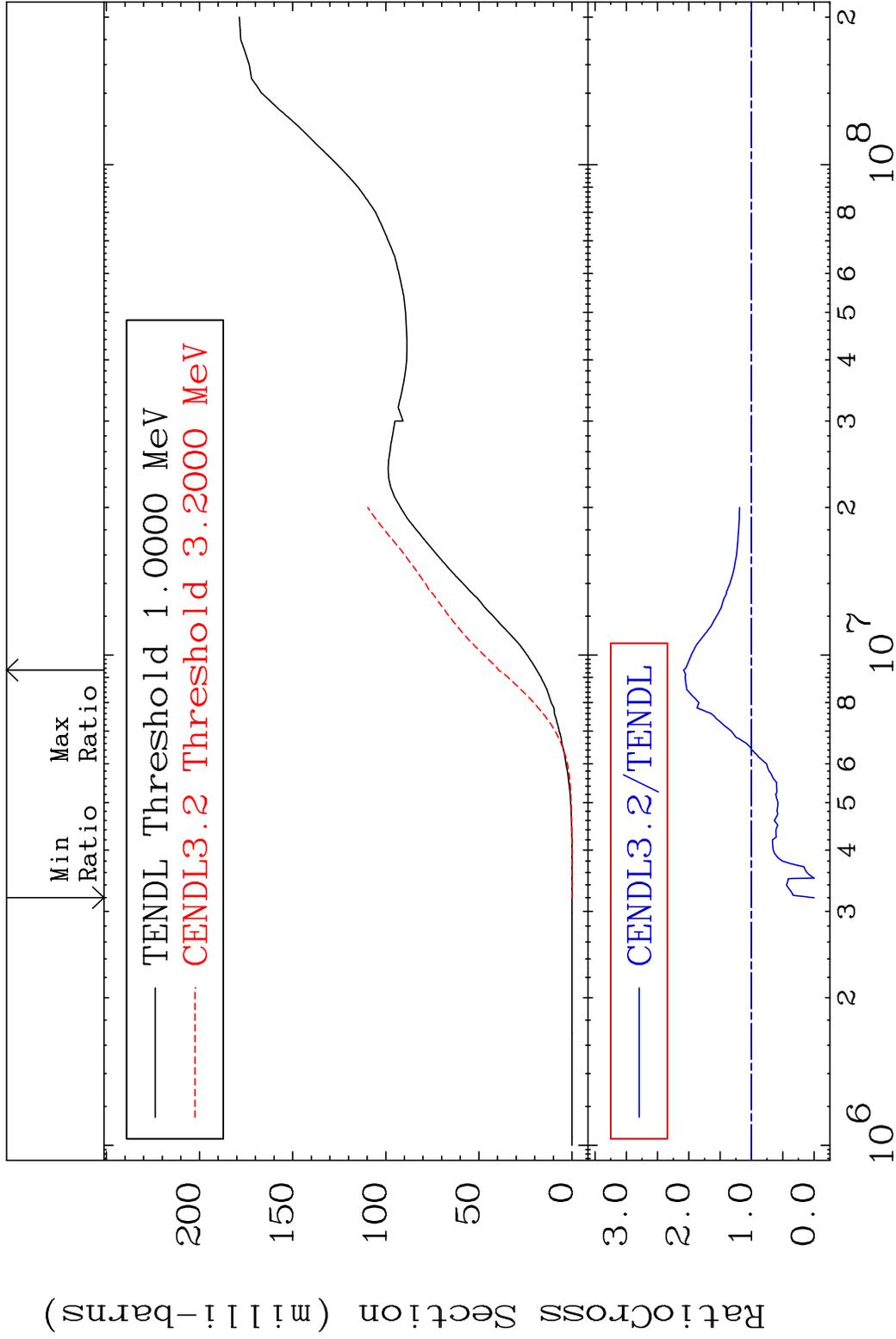
23 22-Ti-46

MAT 2225

He-4 Production

²²Ti-46

Cross Section -100.0 To 108.6 %

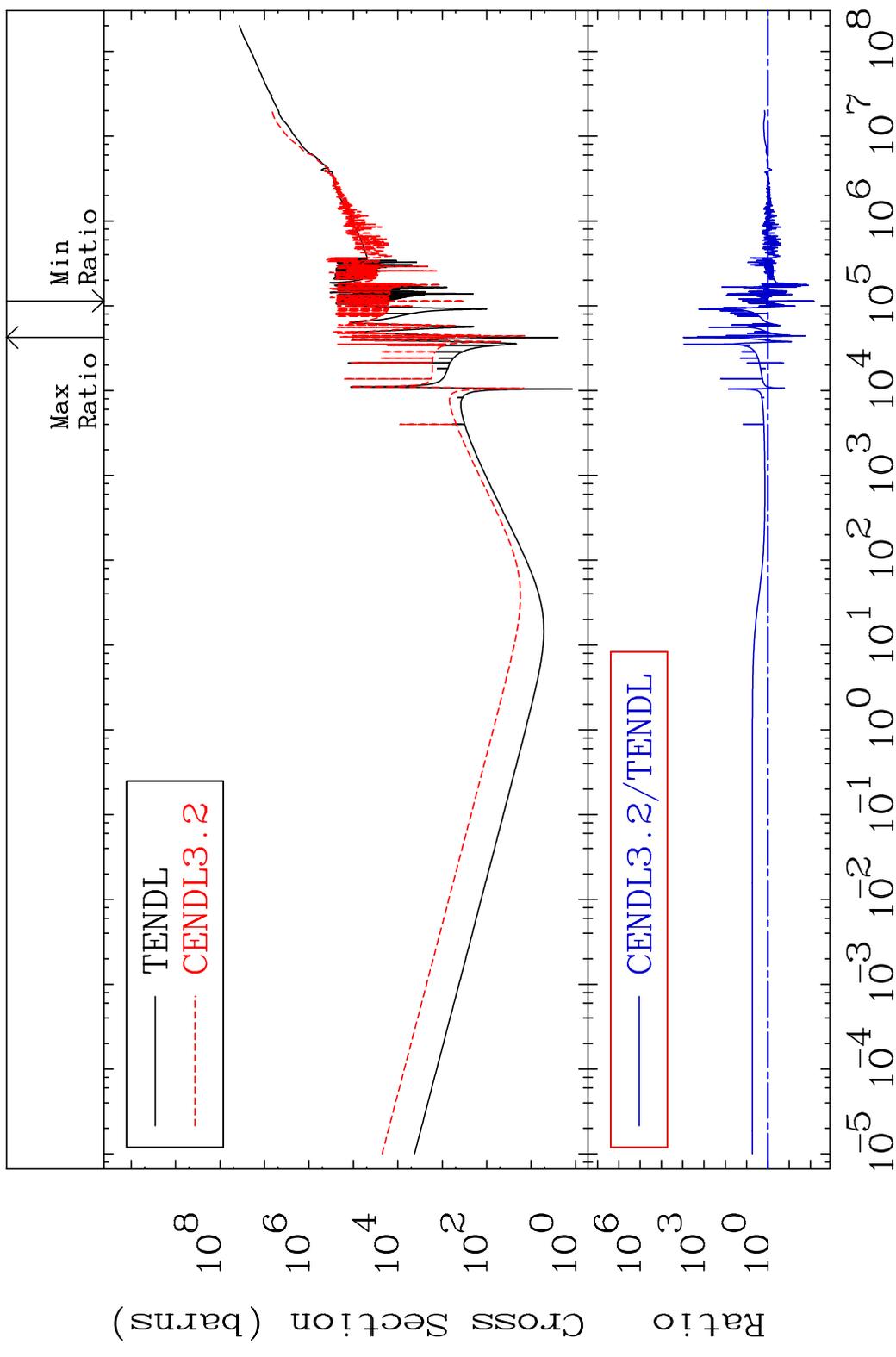


24

Incident Energy (eV)

²²Ti-46

MAT 2225 Kerma total (eV-barns) 22-Ti-46
 Cross Section -99.32 To 9999. %

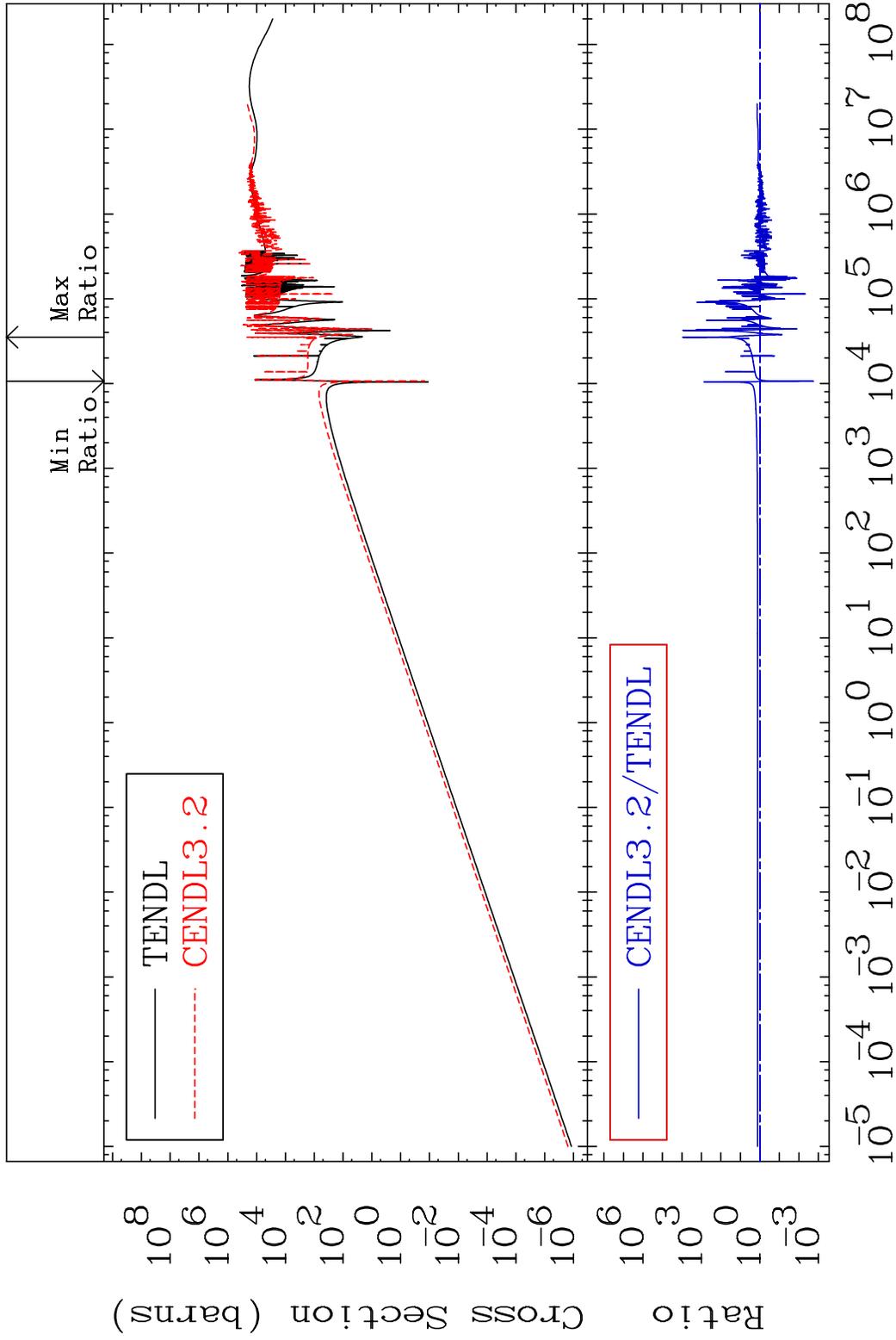


25 Incident Energy (eV) 22-Ti-46

MAT 2225

Kerma elastic
Cross Section

22-Ti-46
-99.82 To 9999. %

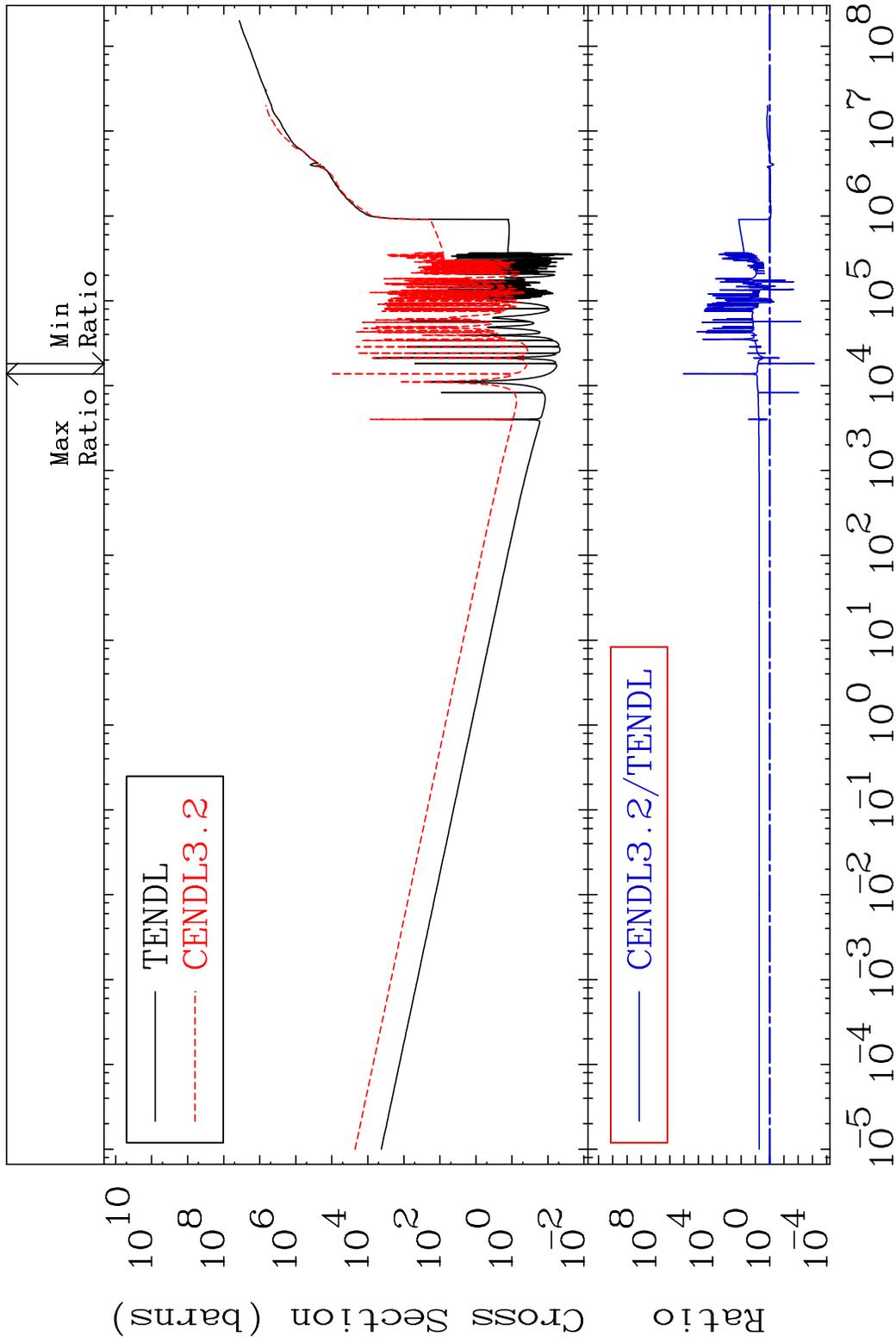


26

Incident Energy (eV)

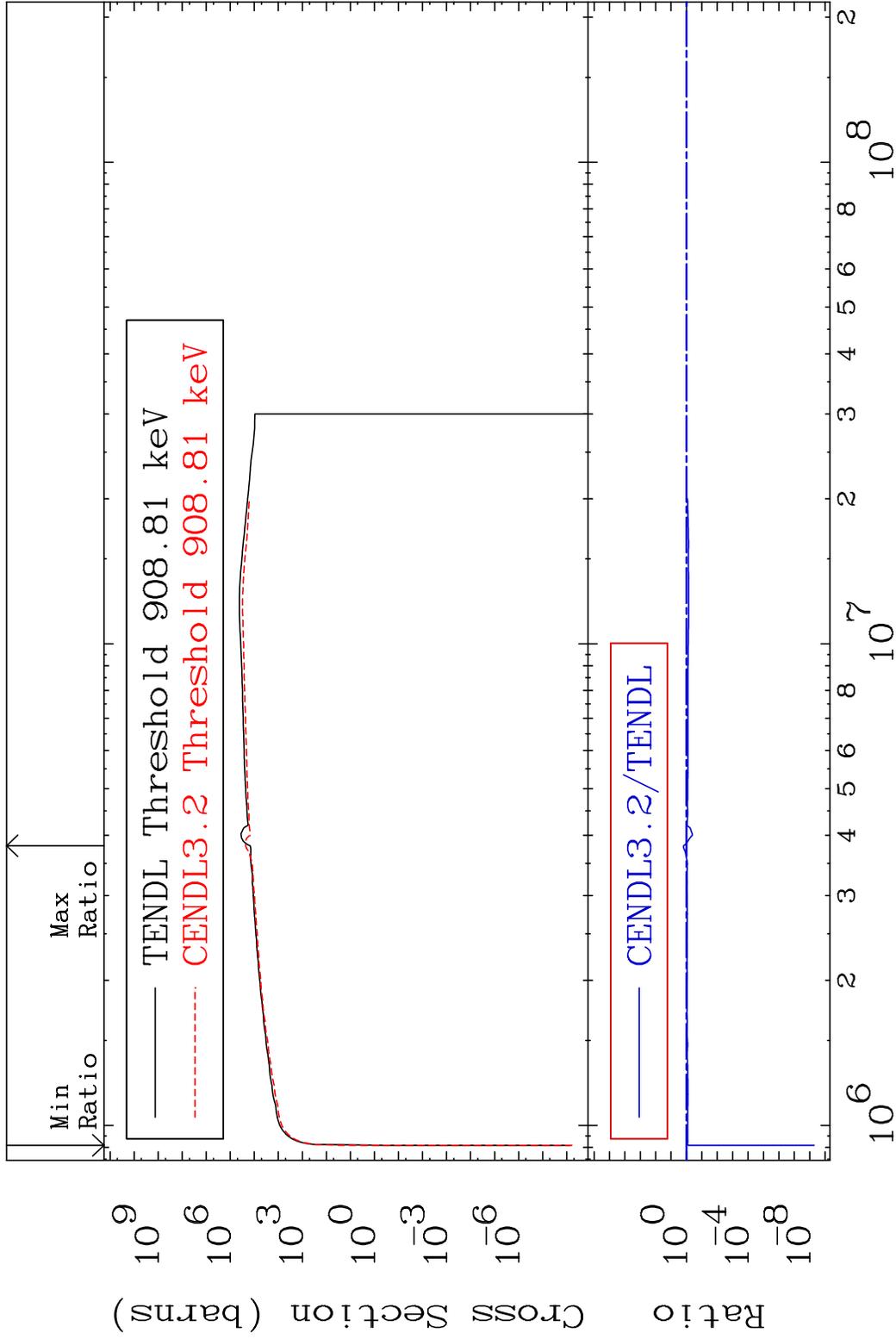
22-Ti-46

MAT 2225 Kerma non-elastic (all but mt2) 22-Ti-46
 Cross Section -99.92 To 9999. %



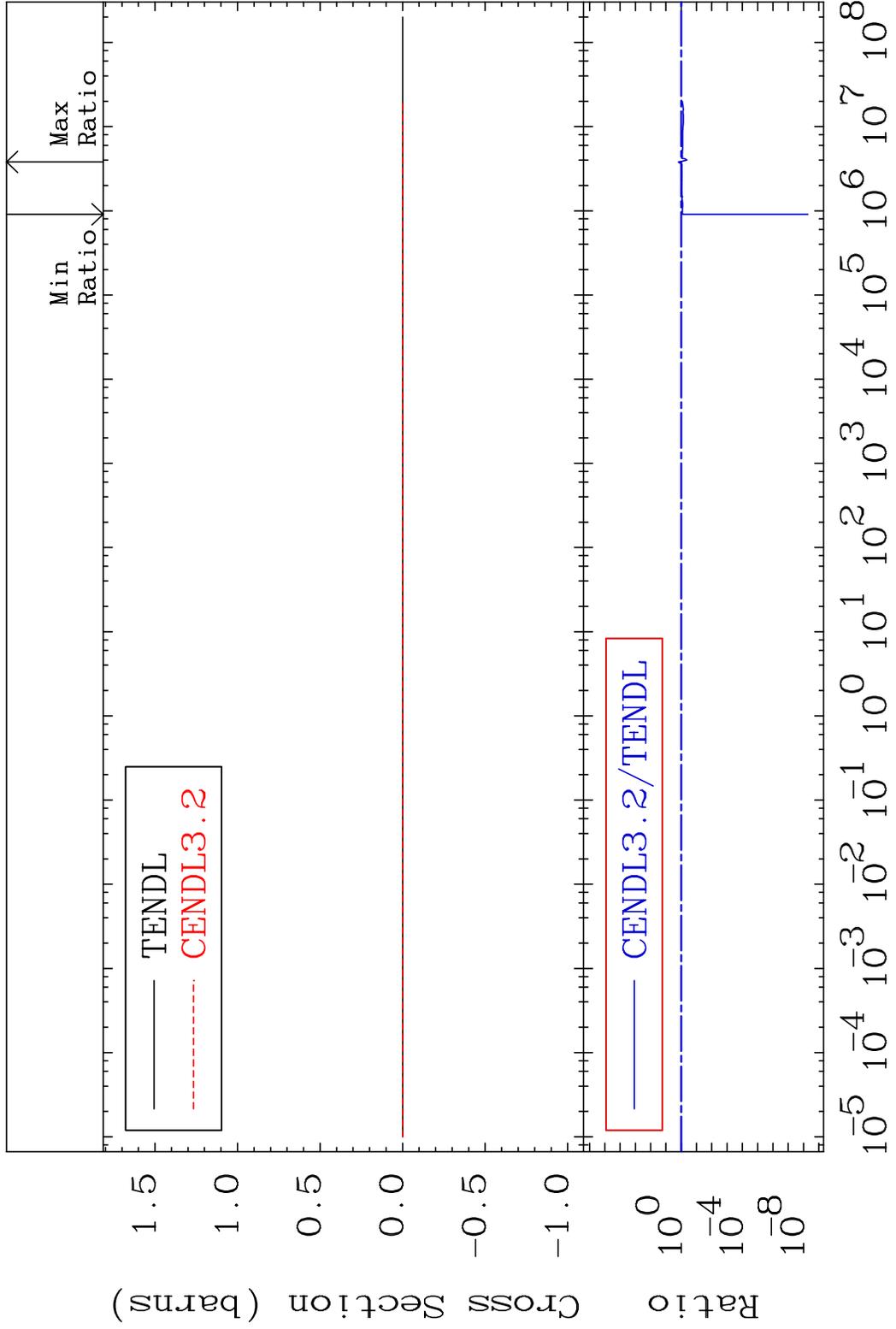
27 Incident Energy (eV) 22-Ti-46

MAT 2225 Kerma inelastic (mt51-91) 22-Ti-46
 Cross Section -100.0 To 55.15 %

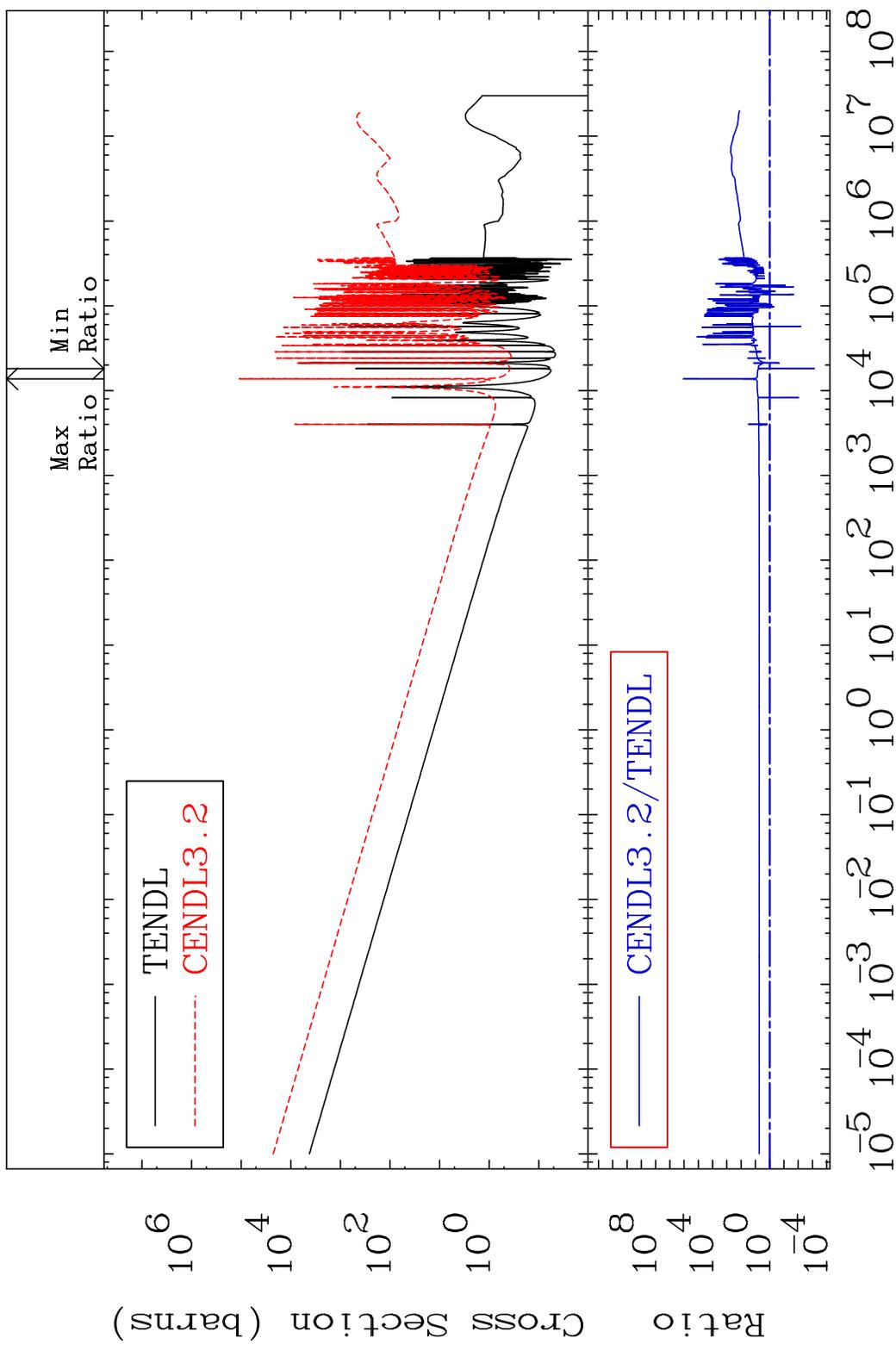


28 Incident Energy (eV) 22-Ti-46

MAT 2225 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-46
 Cross Section -100.0 To 55.15 %

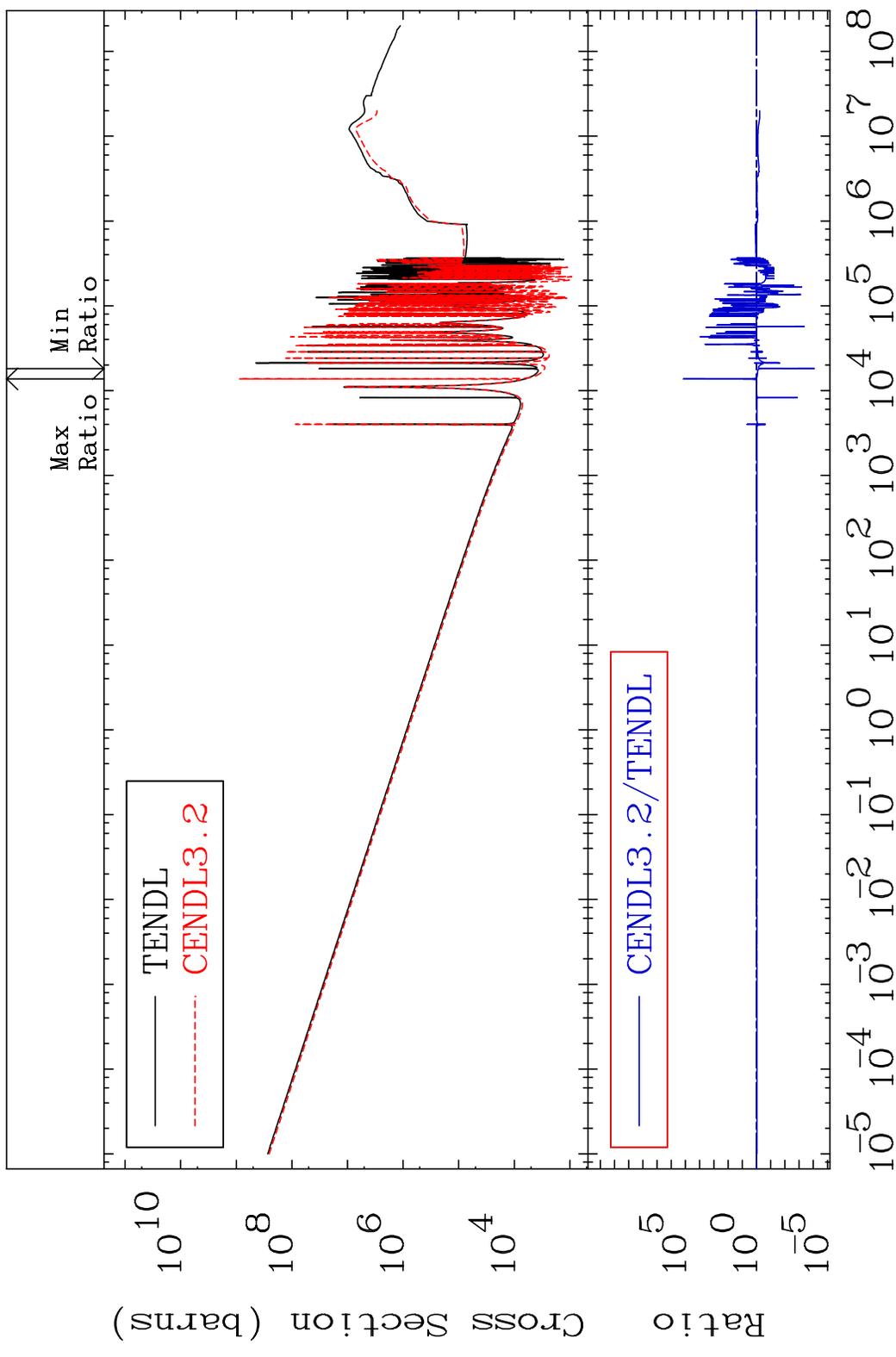


MAT 2225 Kerma capture (mt102) 22-Ti-46
 Cross Section -99.92 To 9999. %



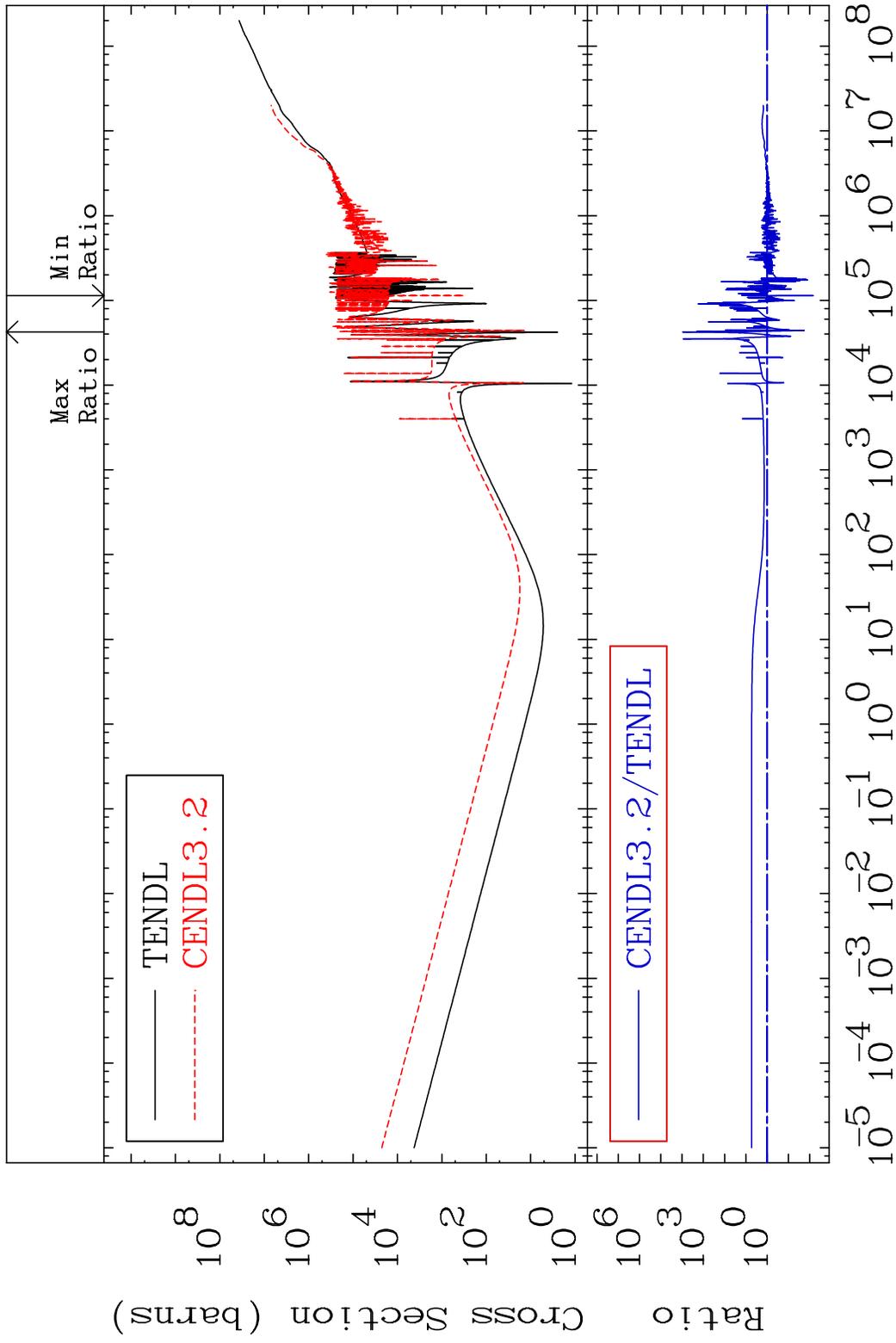
30 Incident Energy (eV) 22-Ti-46

MAT 2225 Total photon (eV-barns) 22-Ti-46
 Cross Section -99.99 To 9999. %



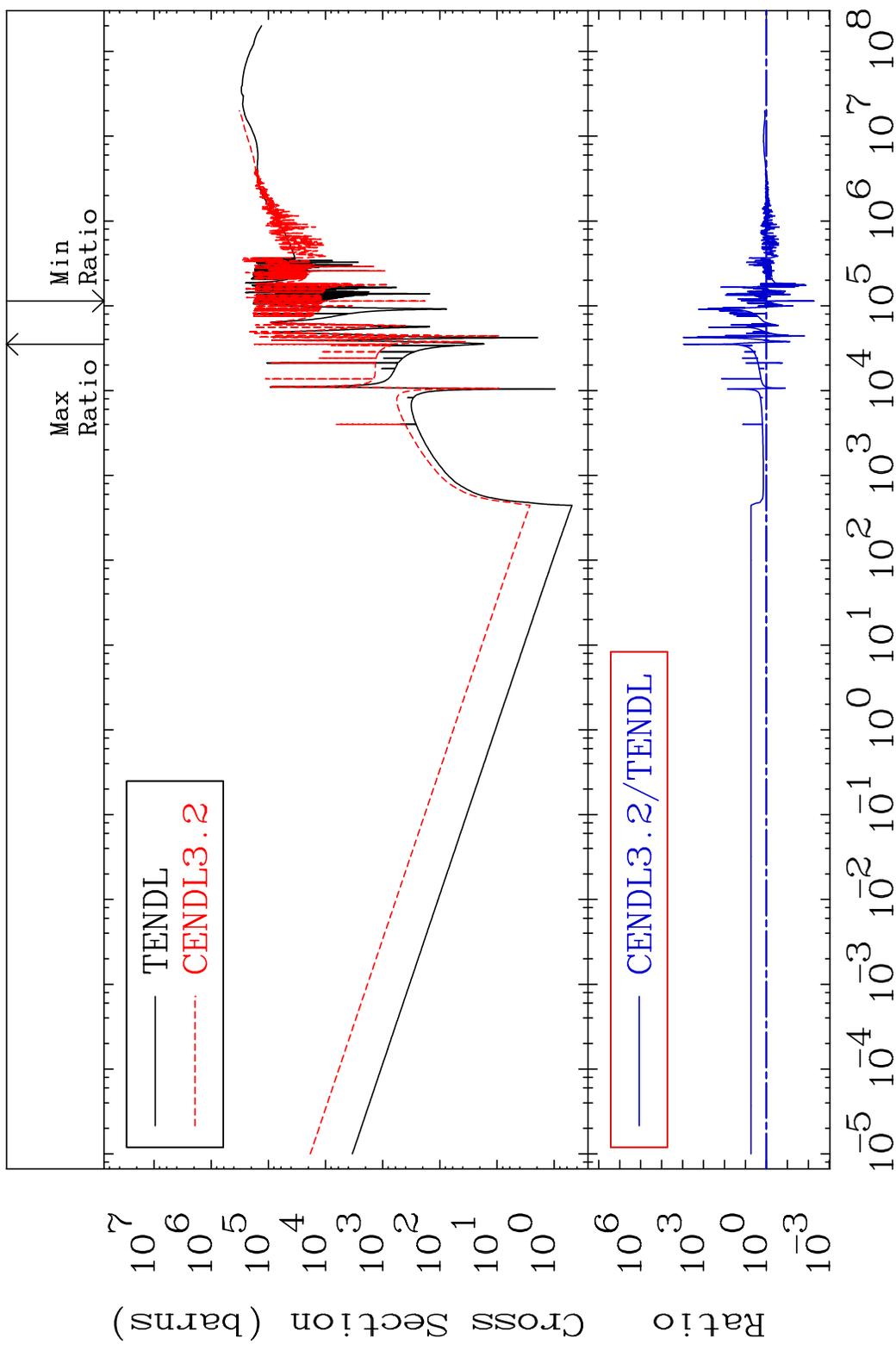
31 Incident Energy (eV) 22-Ti-46

MAT 2225 Total kinematic kerma (high limit) 22-Ti-46
 Cross Section -99.32 To 9999. %



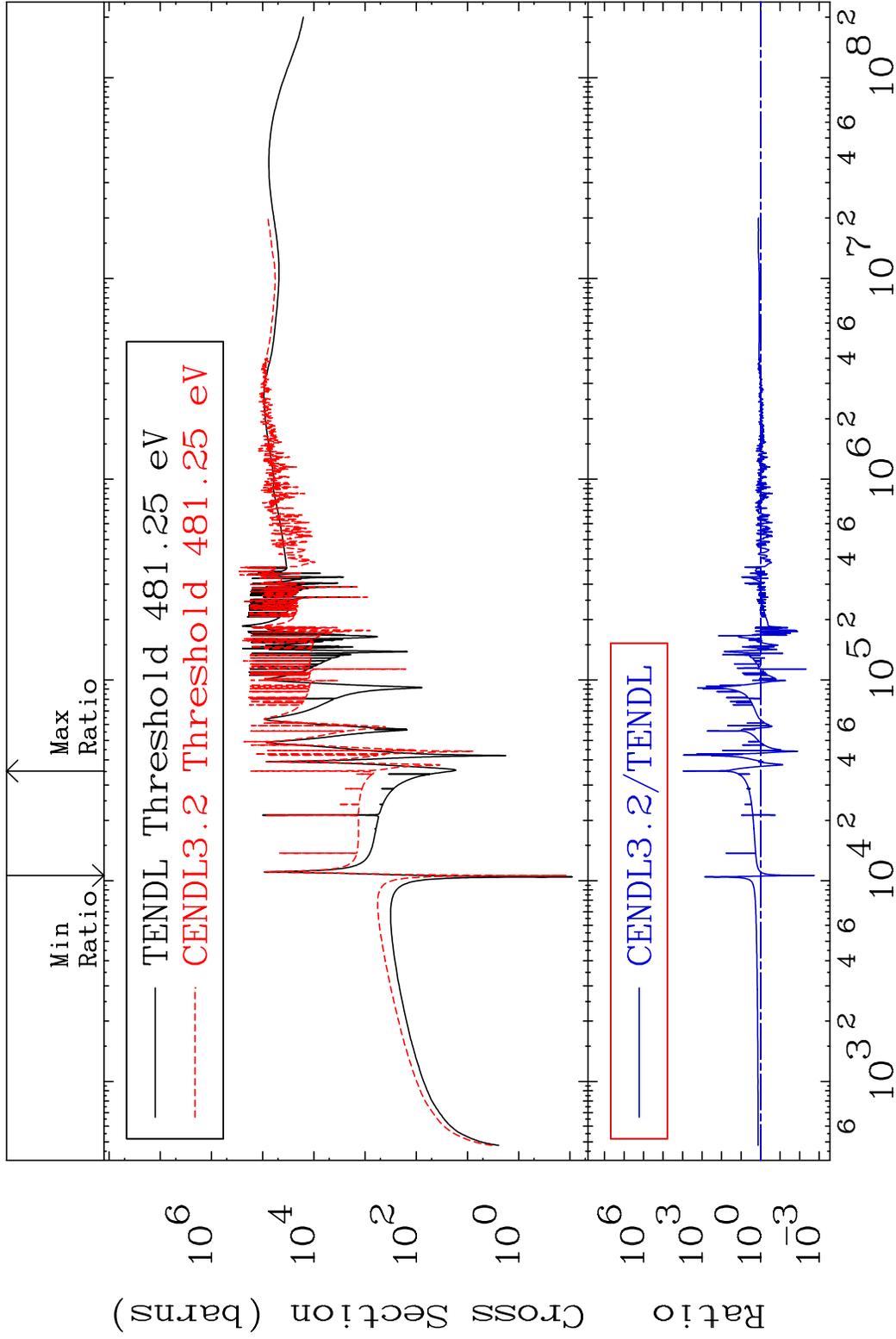
32 Incident Energy (eV) 22-Ti-46

MAT 2225 Dpa total (eV-barns) 22-Ti-46
 Cross Section -99.47 To 9999. %

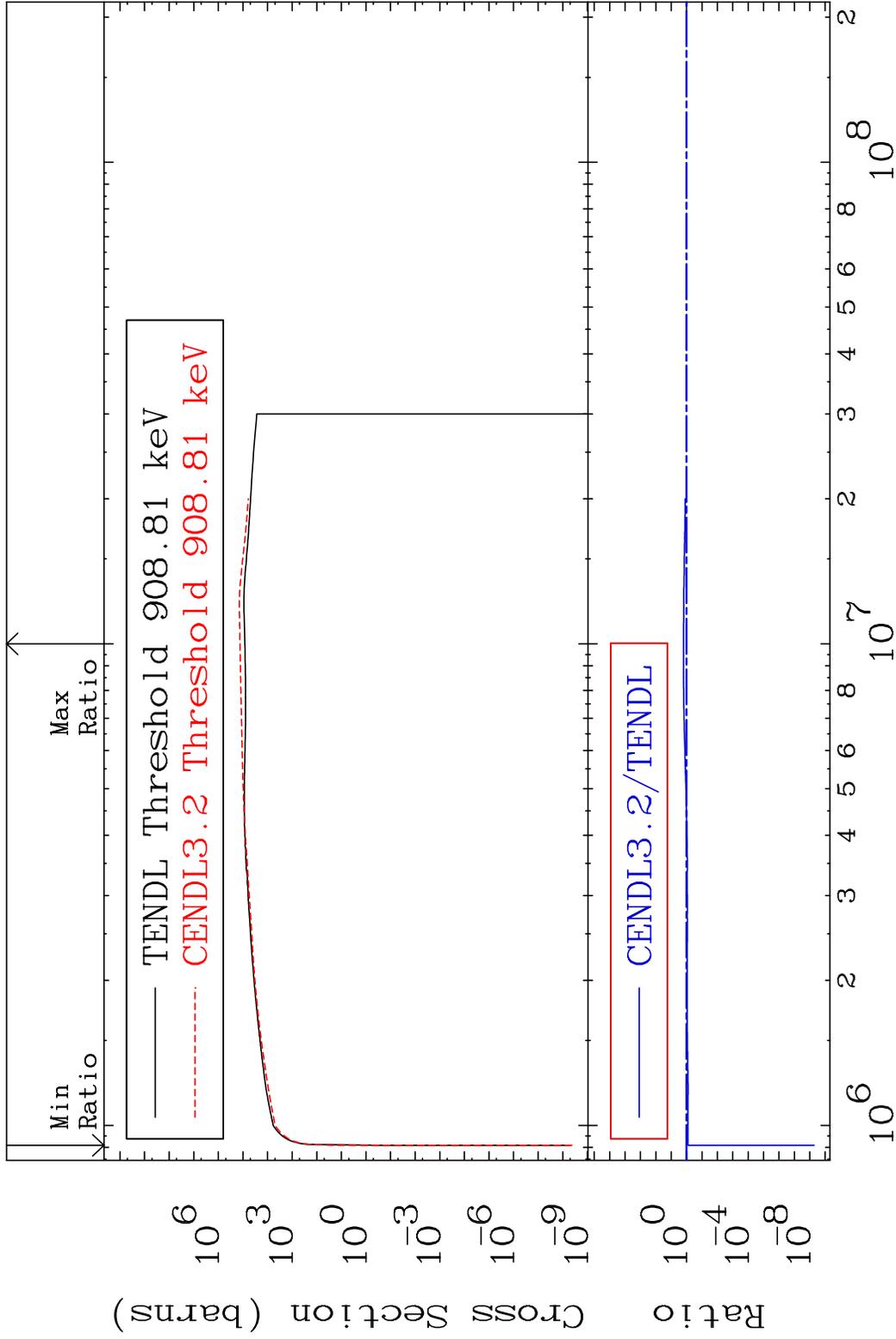


33 Incident Energy (eV) 22-Ti-46

MAT 2225 Dpa elastic (mt2) 22-Ti-46
 Cross Section -99.82 To 9999. %

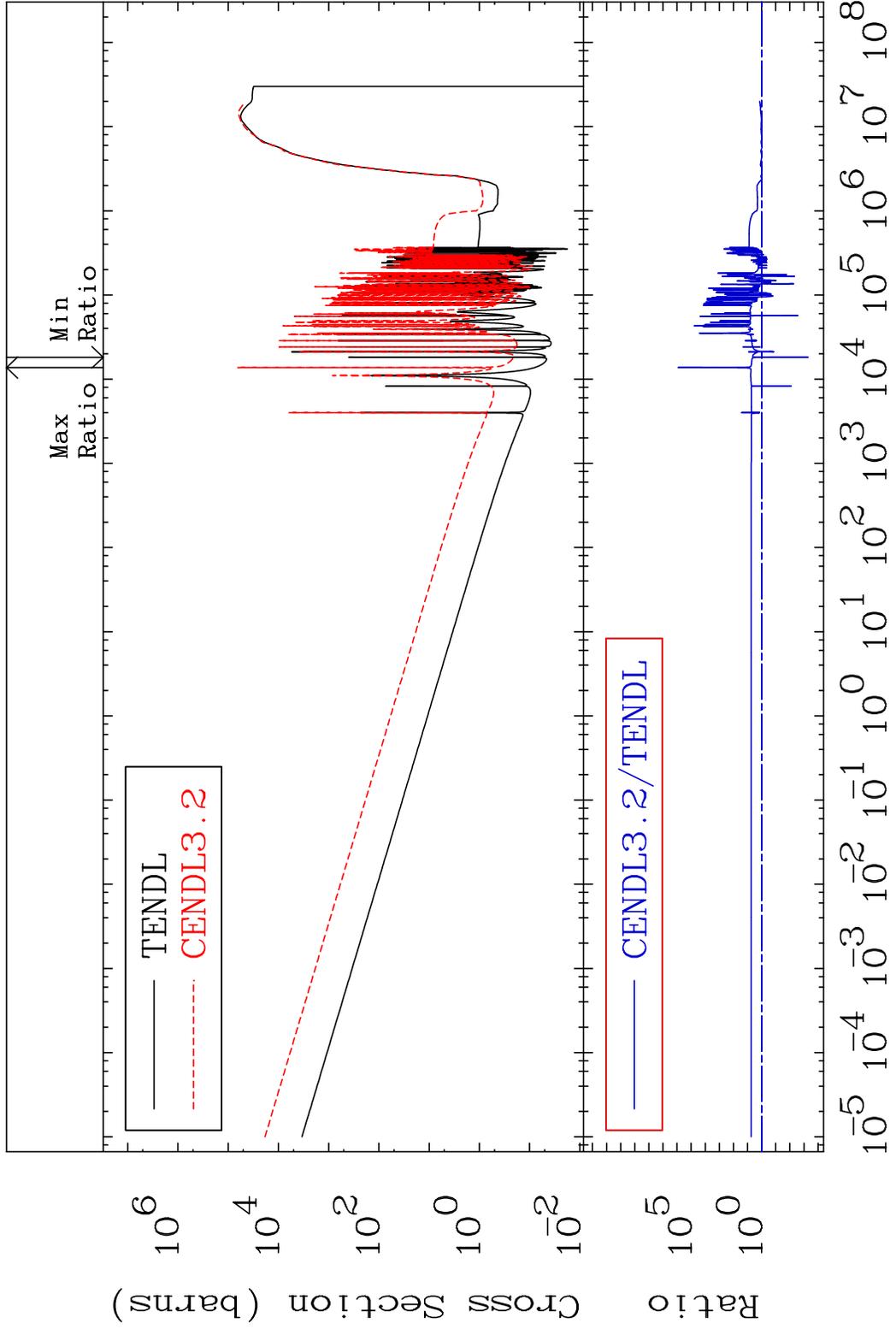


MAT 2225 Dpa inelastic (mt51-91) 22-Ti-46
 Cross Section -100.0 To 58.39 %



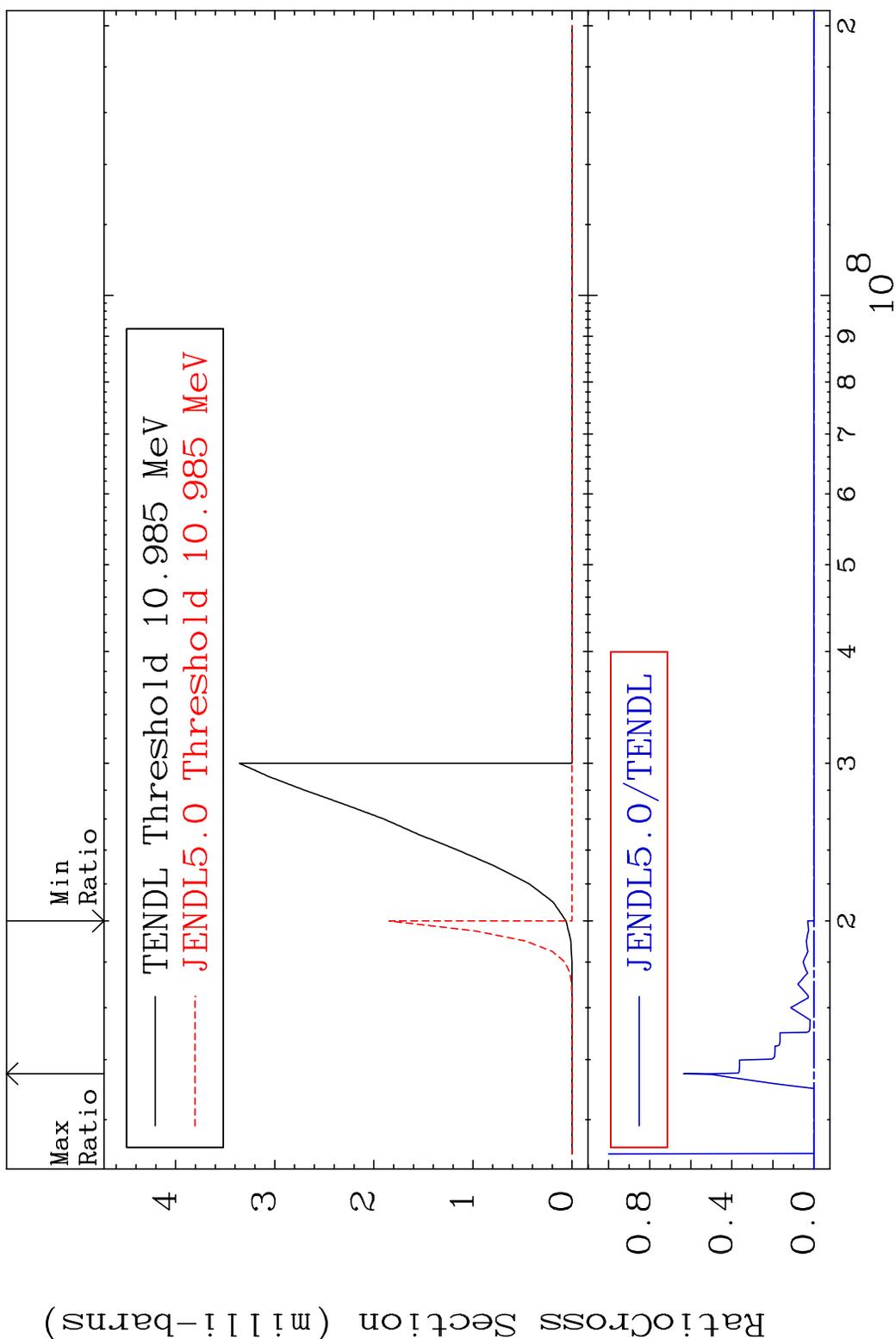
35 Incident Energy (eV) 22-Ti-46

MAT 2225 Dpa disappearance (mt102 -120) 22-Ti-46
 Cross Section -99.95 To 9999. %

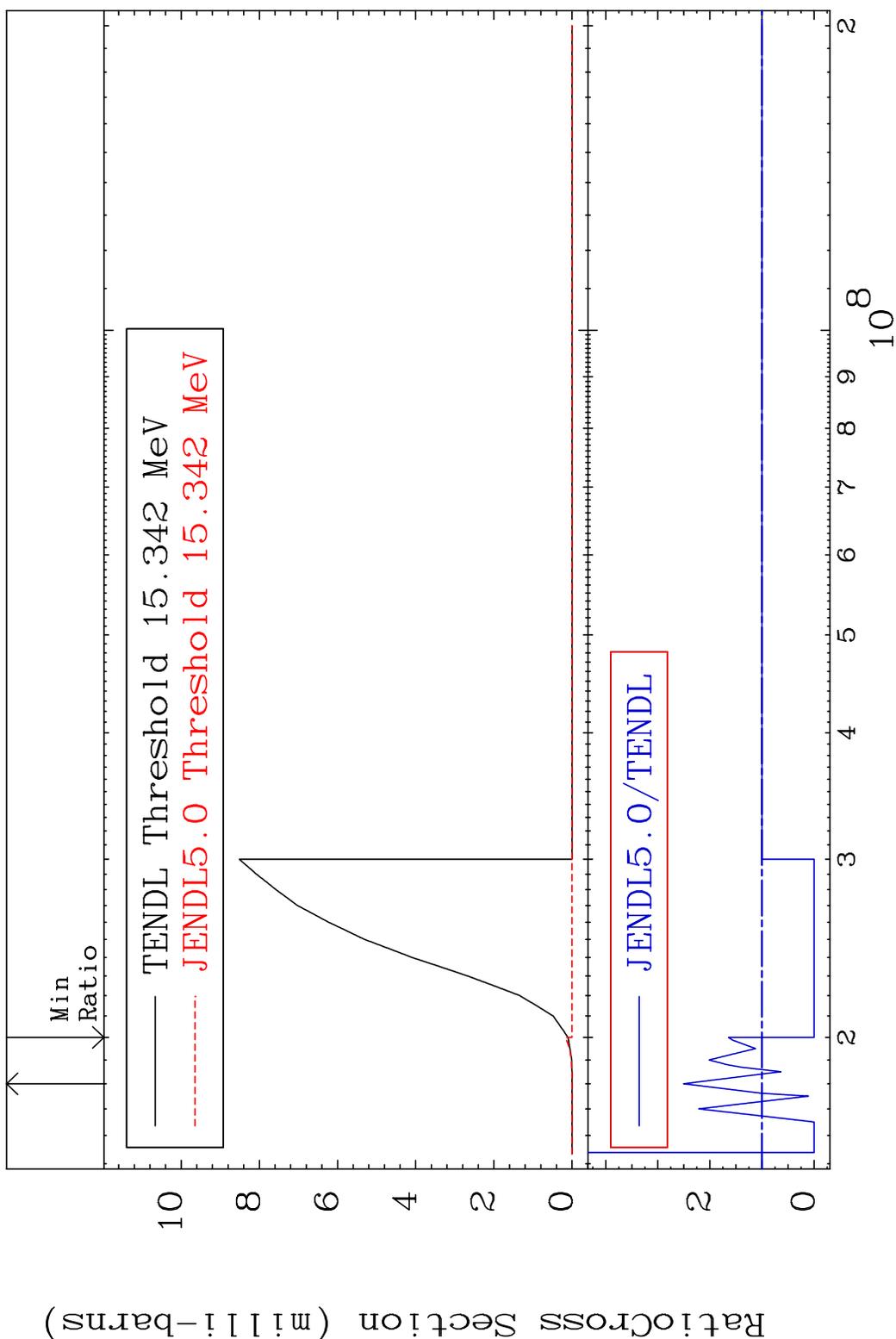


36 Incident Energy (eV) 22-Ti-46

MAT 2225 (n,p) α 22-Ti-46
 Cross Section -100.0 To 9999. %



MAT 2225 (n,p) d 22-Ti-46
 Cross Section -100.0 To 150.7 %

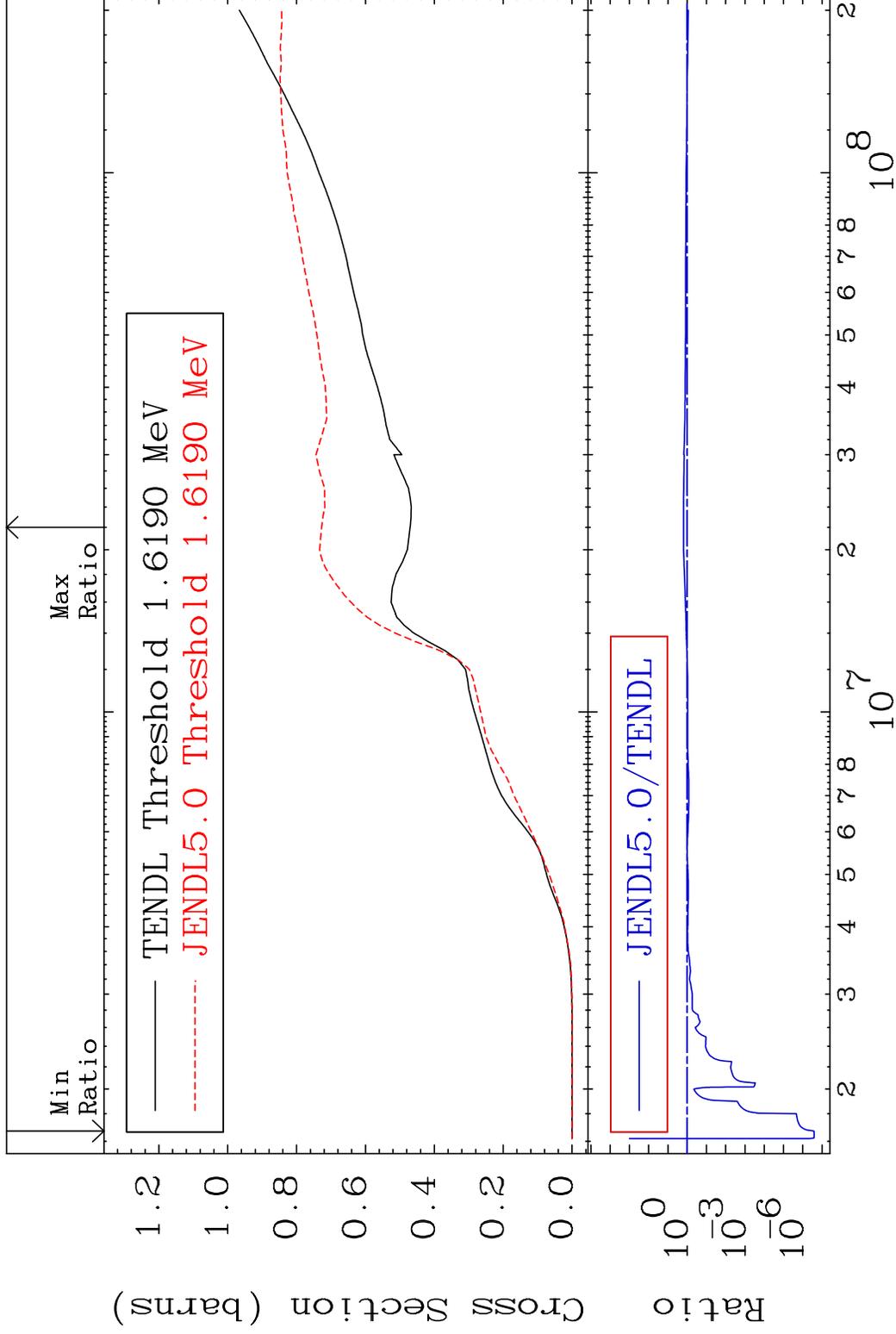


MAT 2225

Hydrogen Production

²²Ti-46

Cross Section -100.0 To 54.68 %

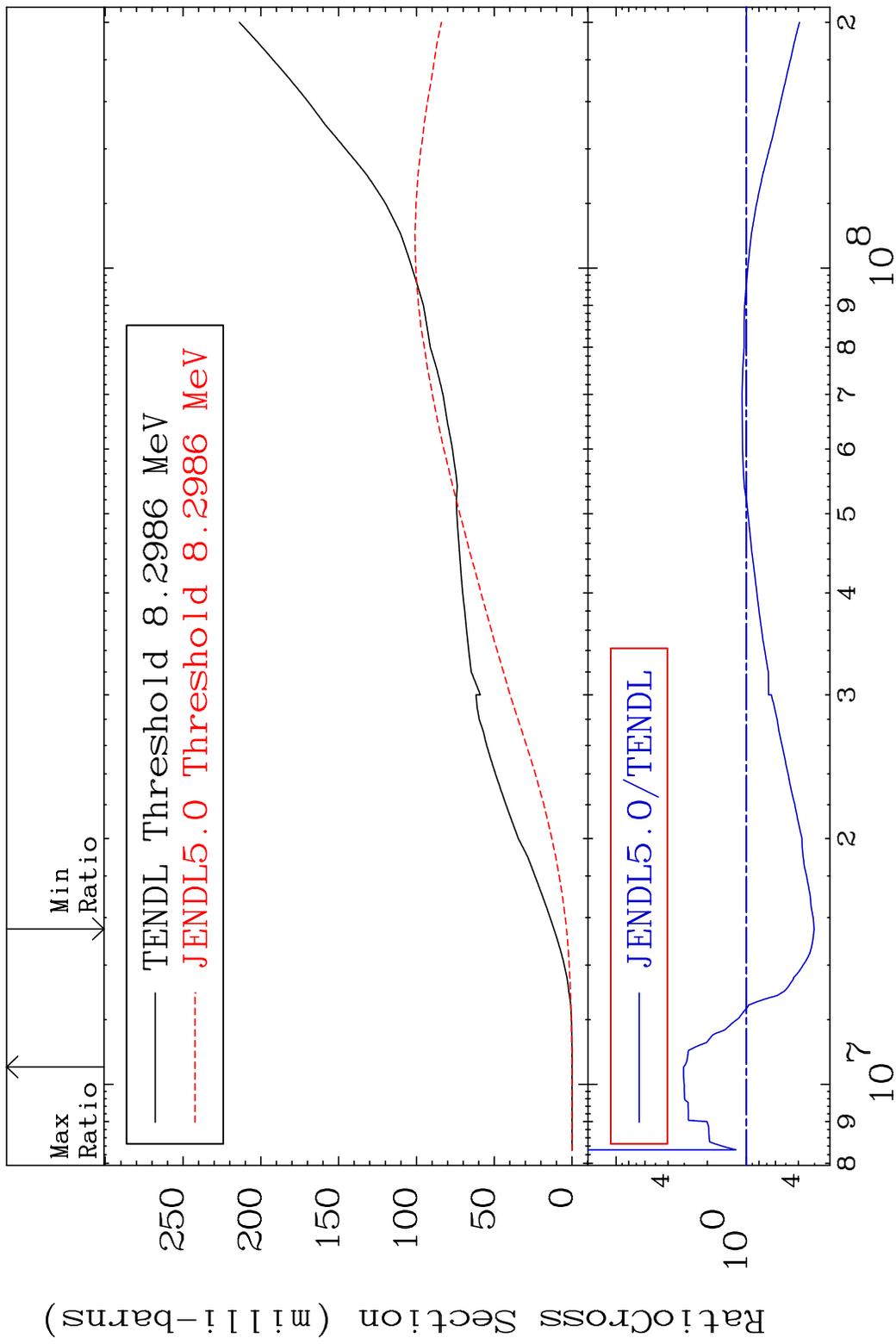


39

Incident Energy (eV)

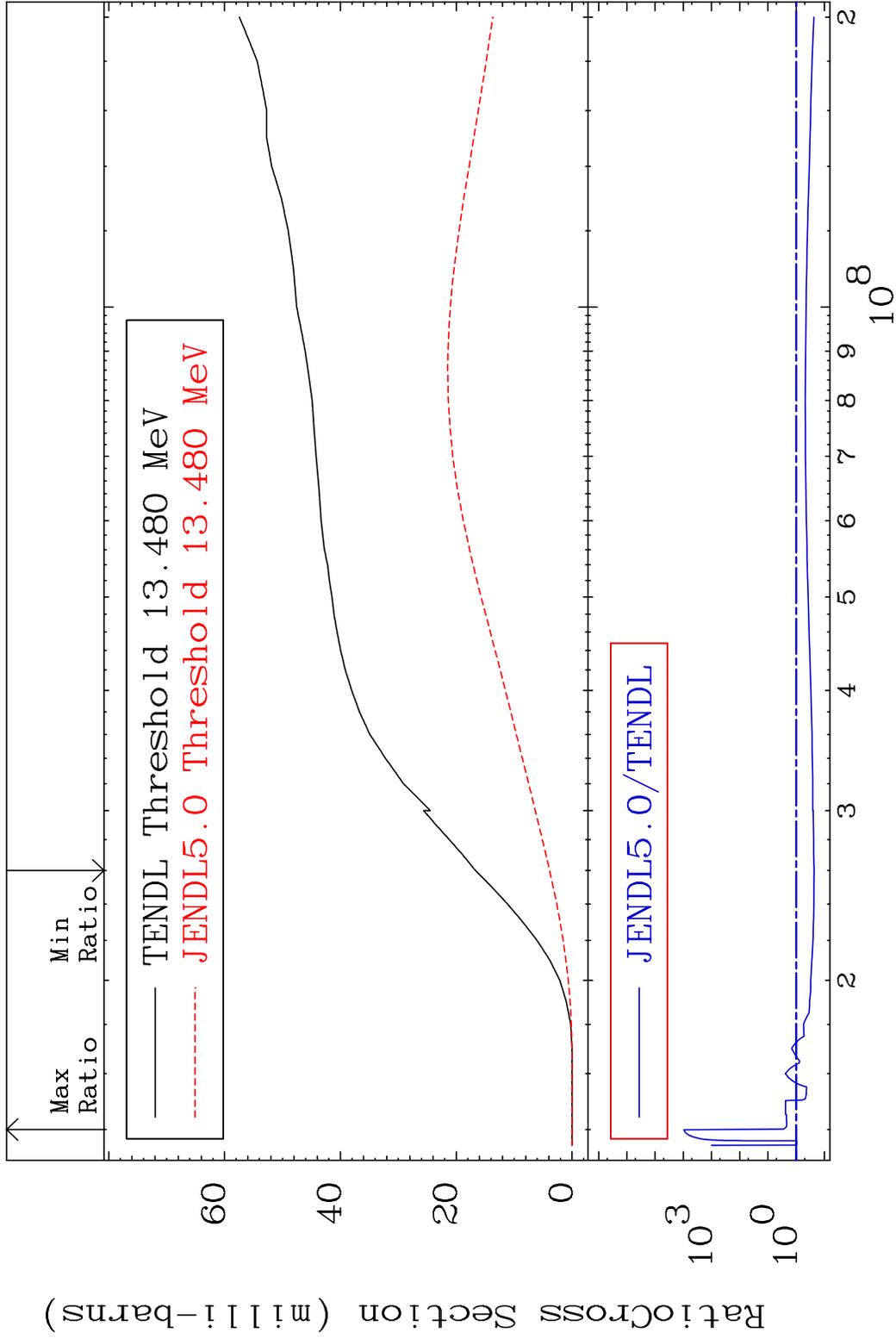
²²Ti-46

MAT 2225 Deuterium Production ²²Ti-46
 Cross Section -69.67 To 203.9 %



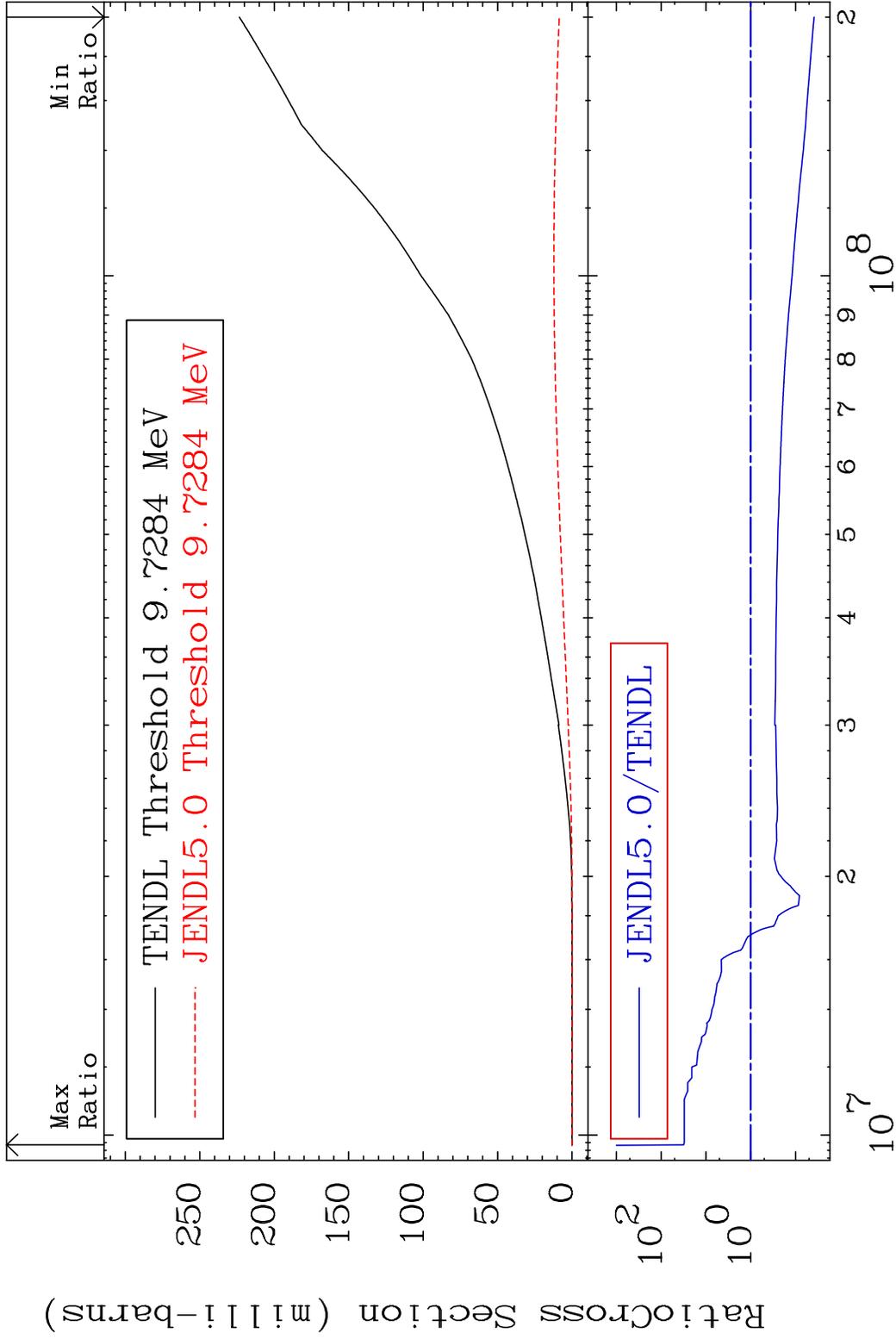
40 22-Ti-46

MAT 2225 Tritium Production 22-Ti-46
 Cross Section -76.77 To 9999. %



41 Incident Energy (eV) 22-Ti-46

MAT 2225 He-3 Production 22-Ti-46
 Cross Section -96.11 To 3064. %



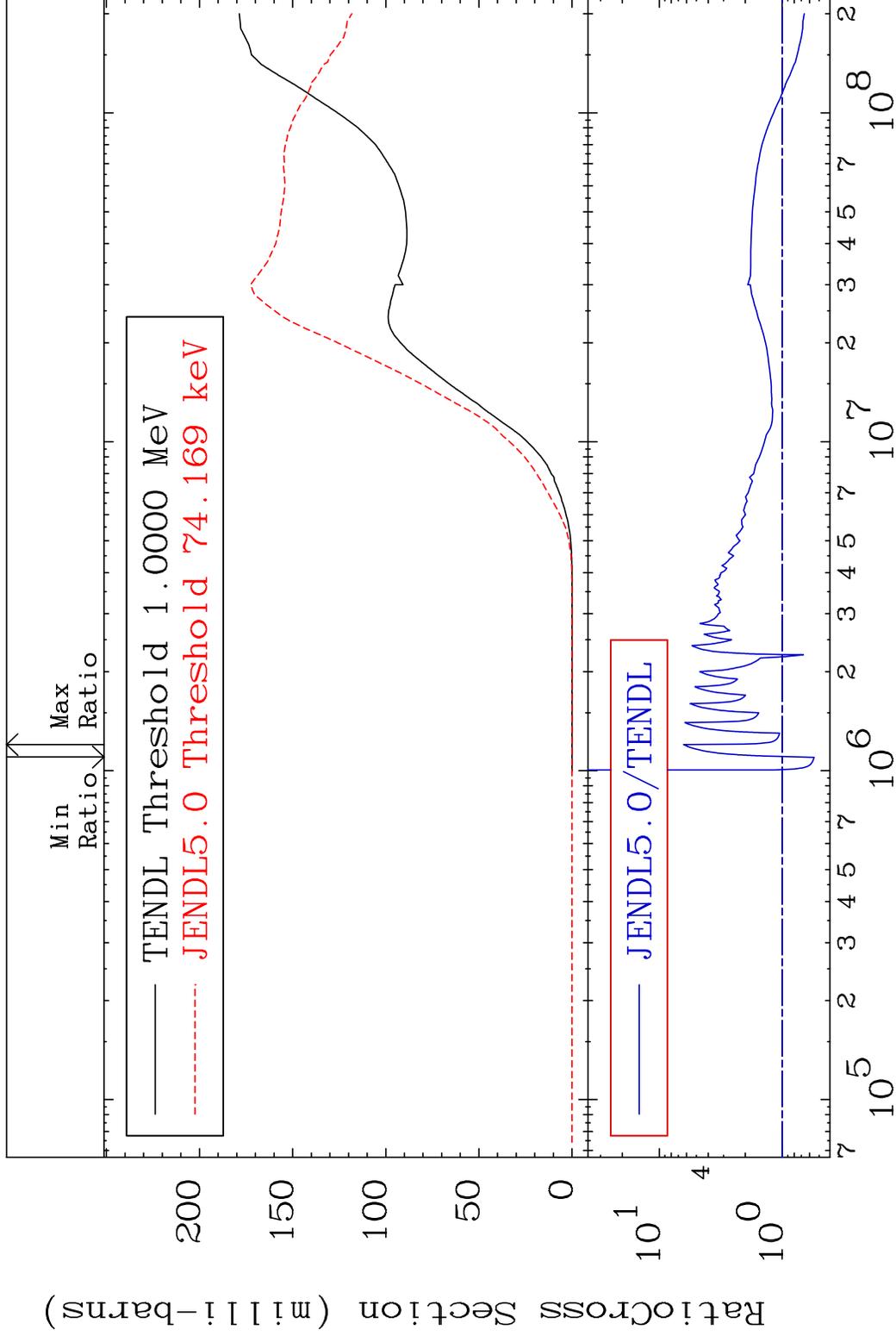
42 22-Ti-46

MAT 2225

He-4 Production

22-Ti-46

Cross Section -44.95 To 535.1 %

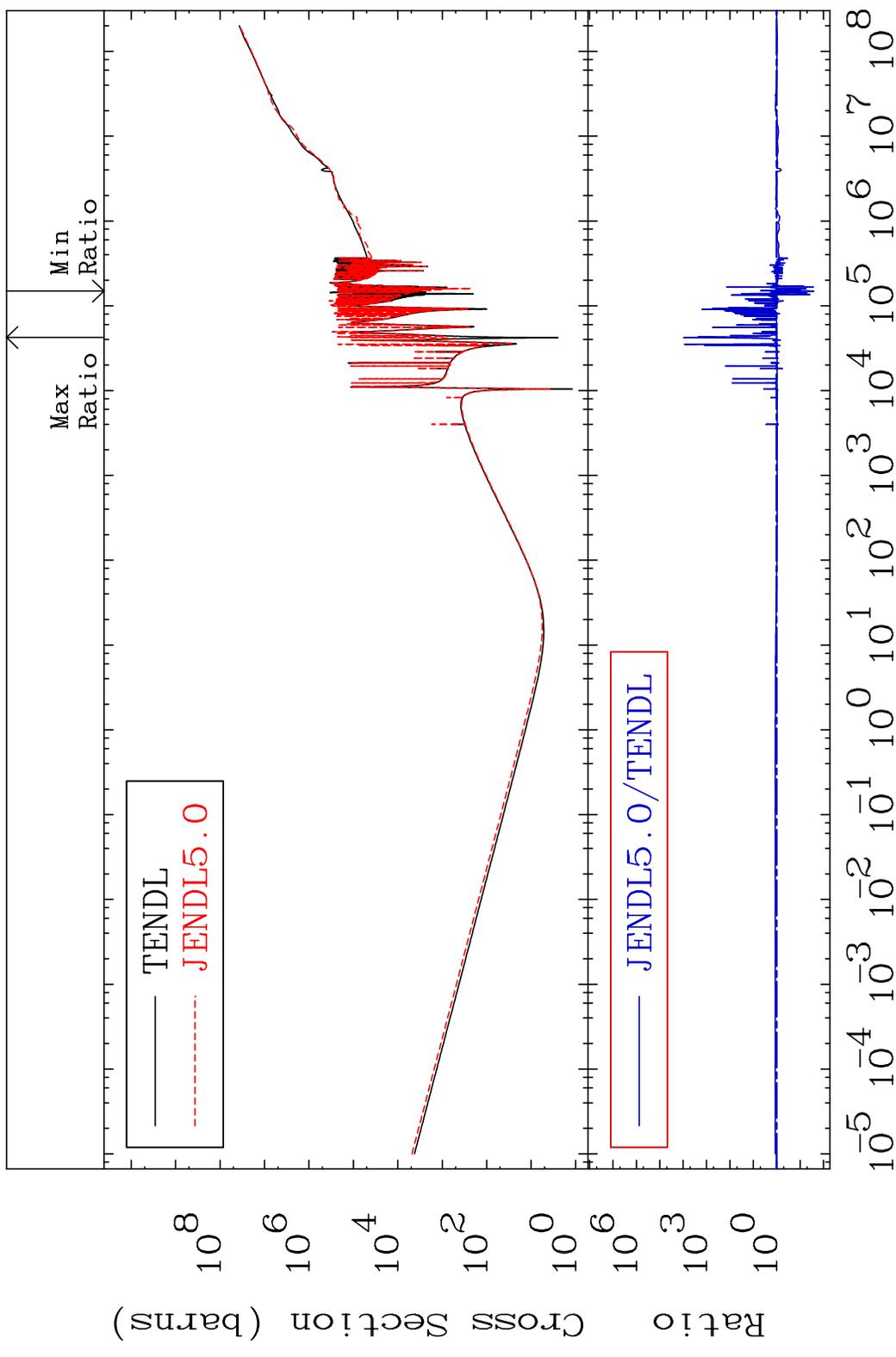


43

Incident Energy (eV)

22-Ti-46

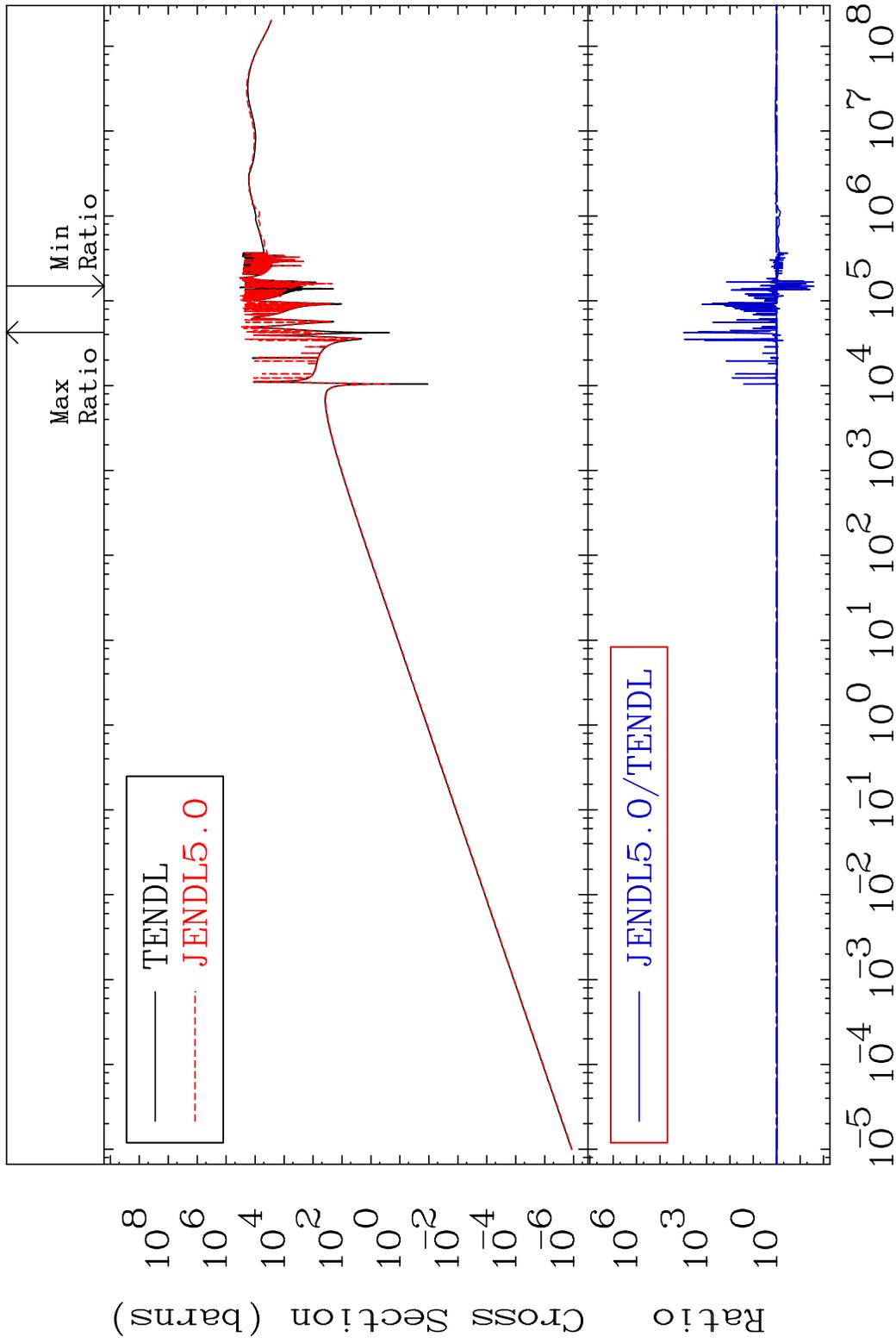
MAT 2225 Kerma total (eV-barns) 22-Ti-46
 Cross Section -97.48 To 9999. %



MAT 2225

Kerma elastic
Cross Section

22-Ti-46
-97.48 To 9999. %

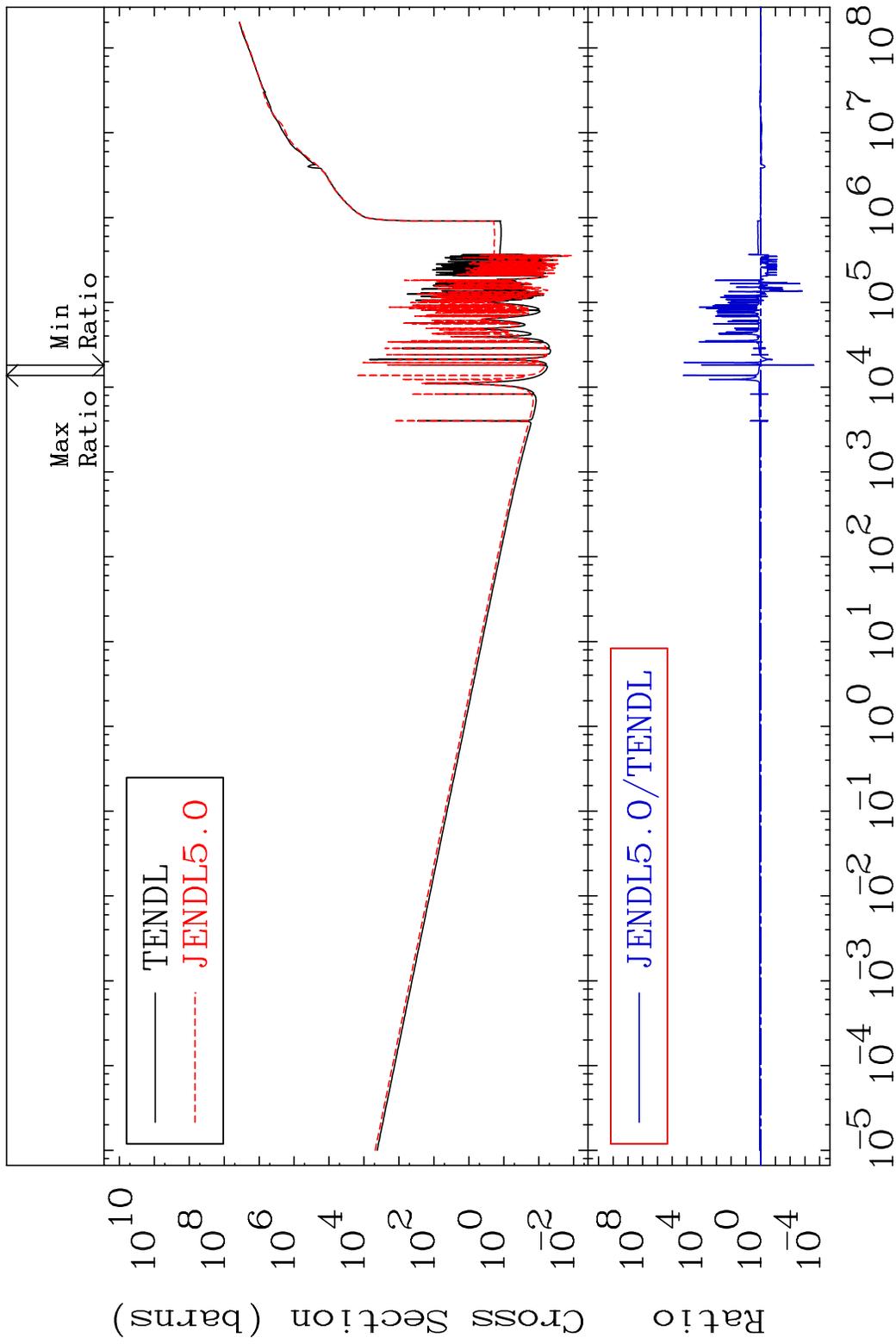


45

Incident Energy (eV)

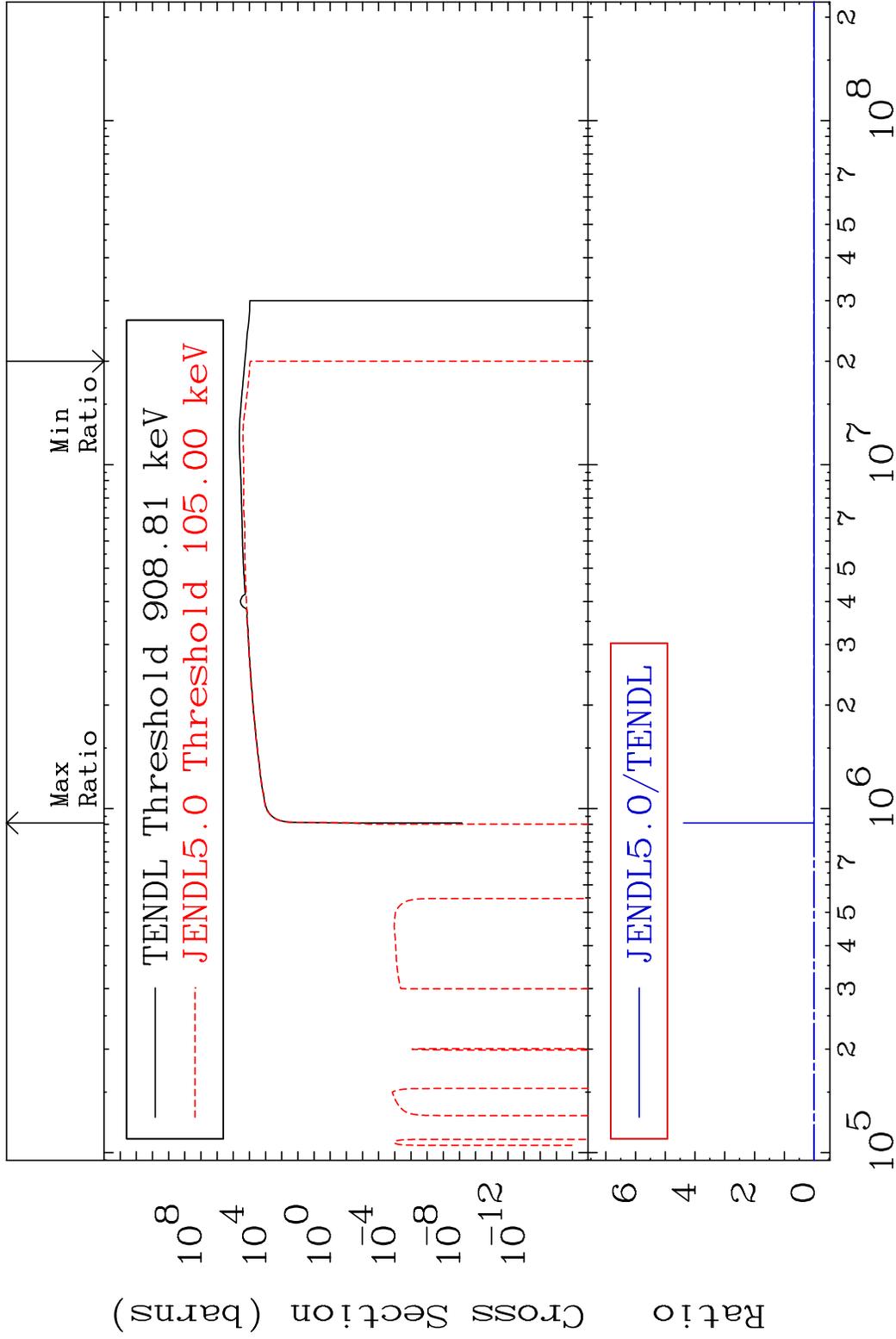
22-Ti-46

MAT 2225 Kerma non-elastic (all but mt2) 22-Ti-46
 Cross Section -99.98 To 9999. %



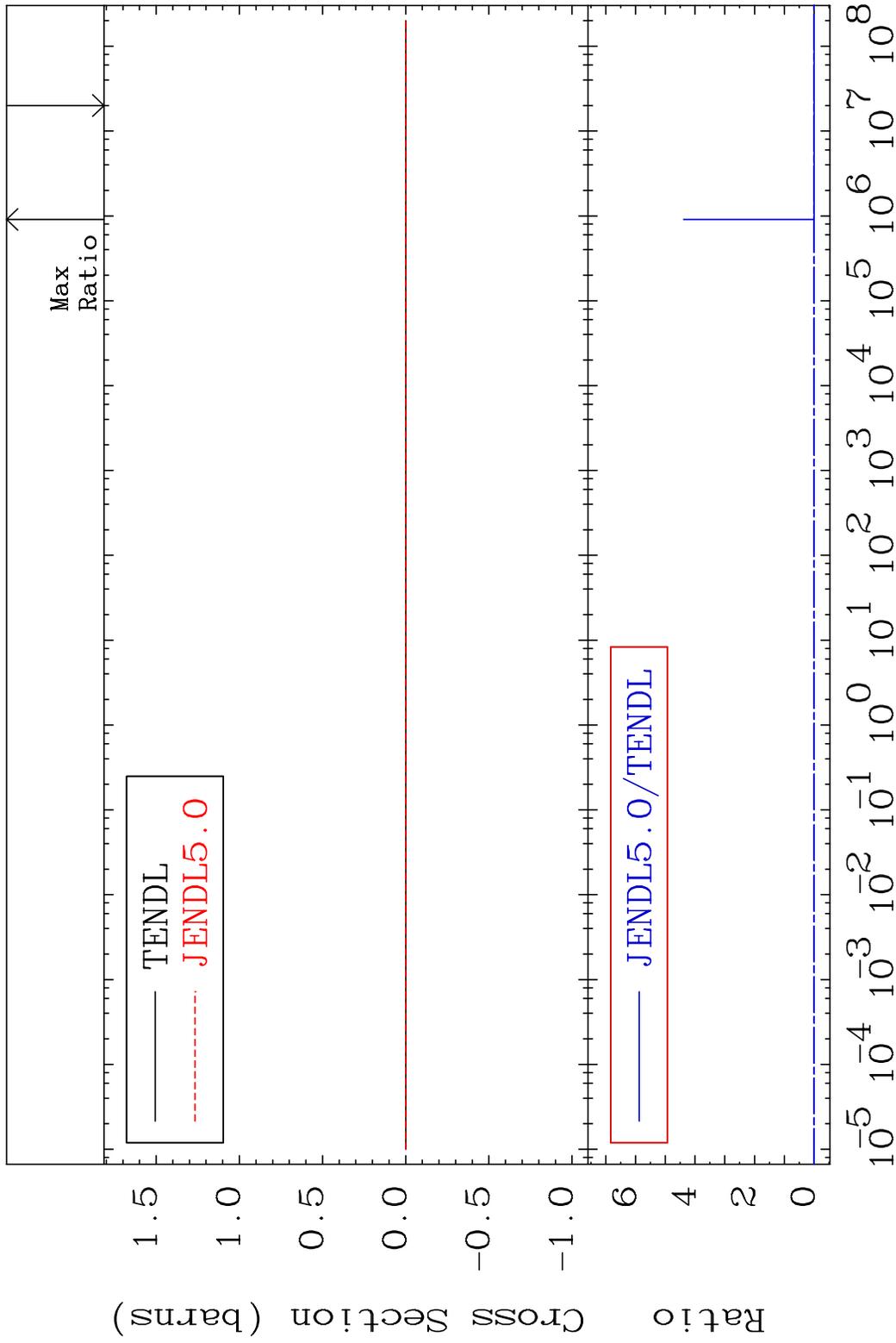
46 Incident Energy (eV) 22-Ti-46

MAT 2225 Kerma inelastic (mt51-91) 22-Ti-46
 Cross Section -100.0 To 9999. %



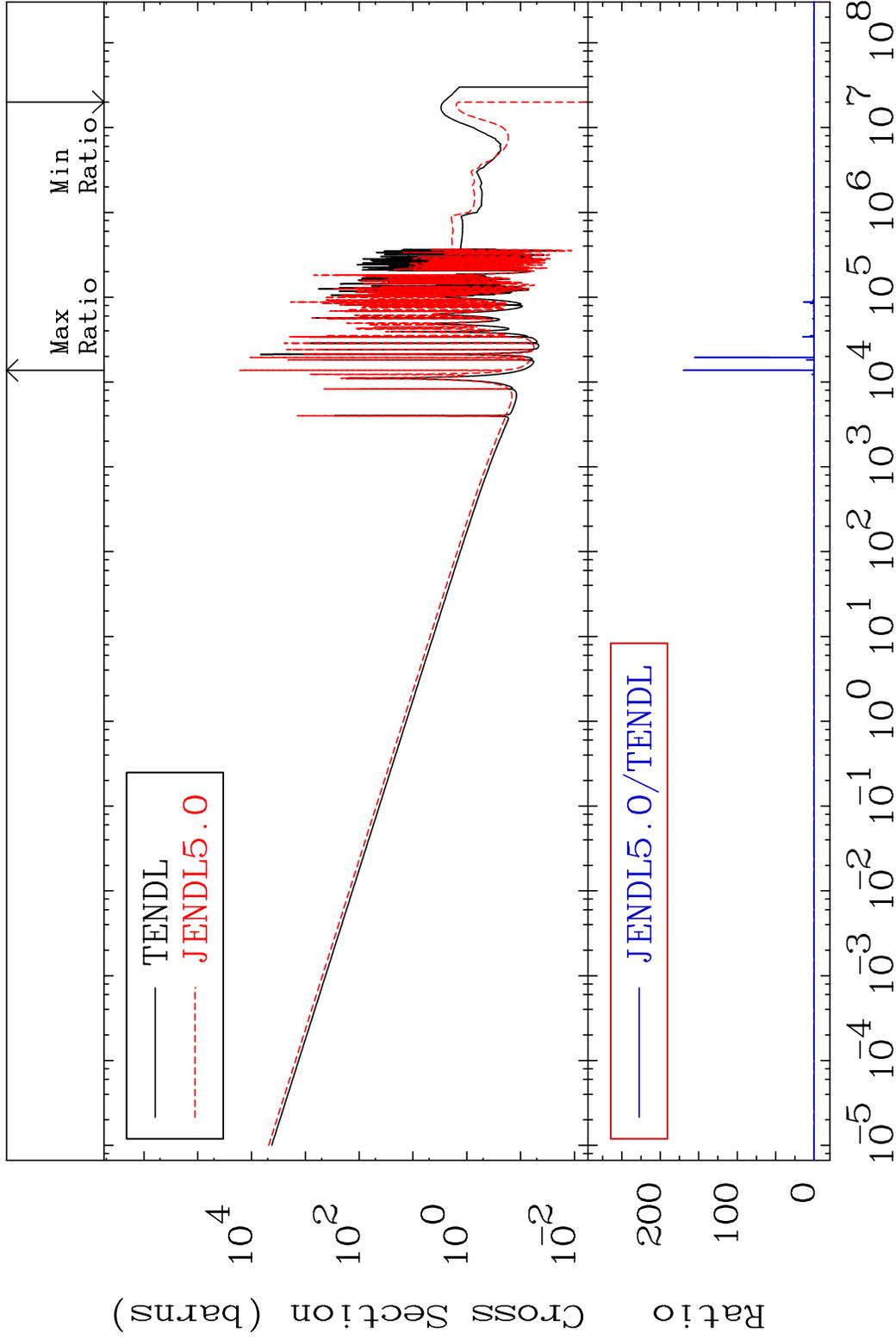
47 Incident Energy (eV) 22-Ti-46

MAT 2225 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-46
 Cross Section -100.0 To 9999. %



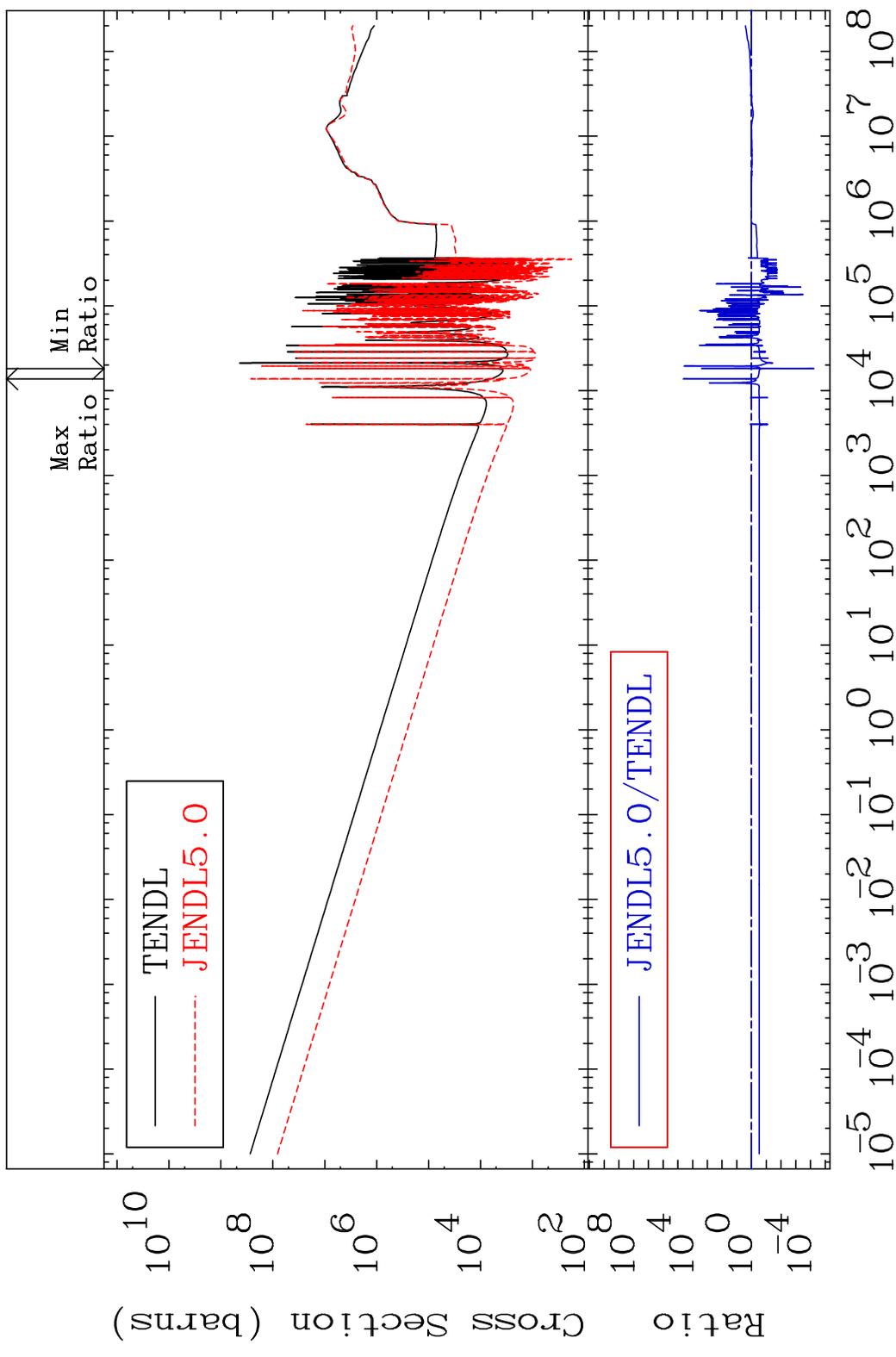
48 Incident Energy (eV) 22-Ti-46

MAT 2225 Kerma capture (mt102) 22-Ti-46
 Cross Section -100.0 To 9999. %



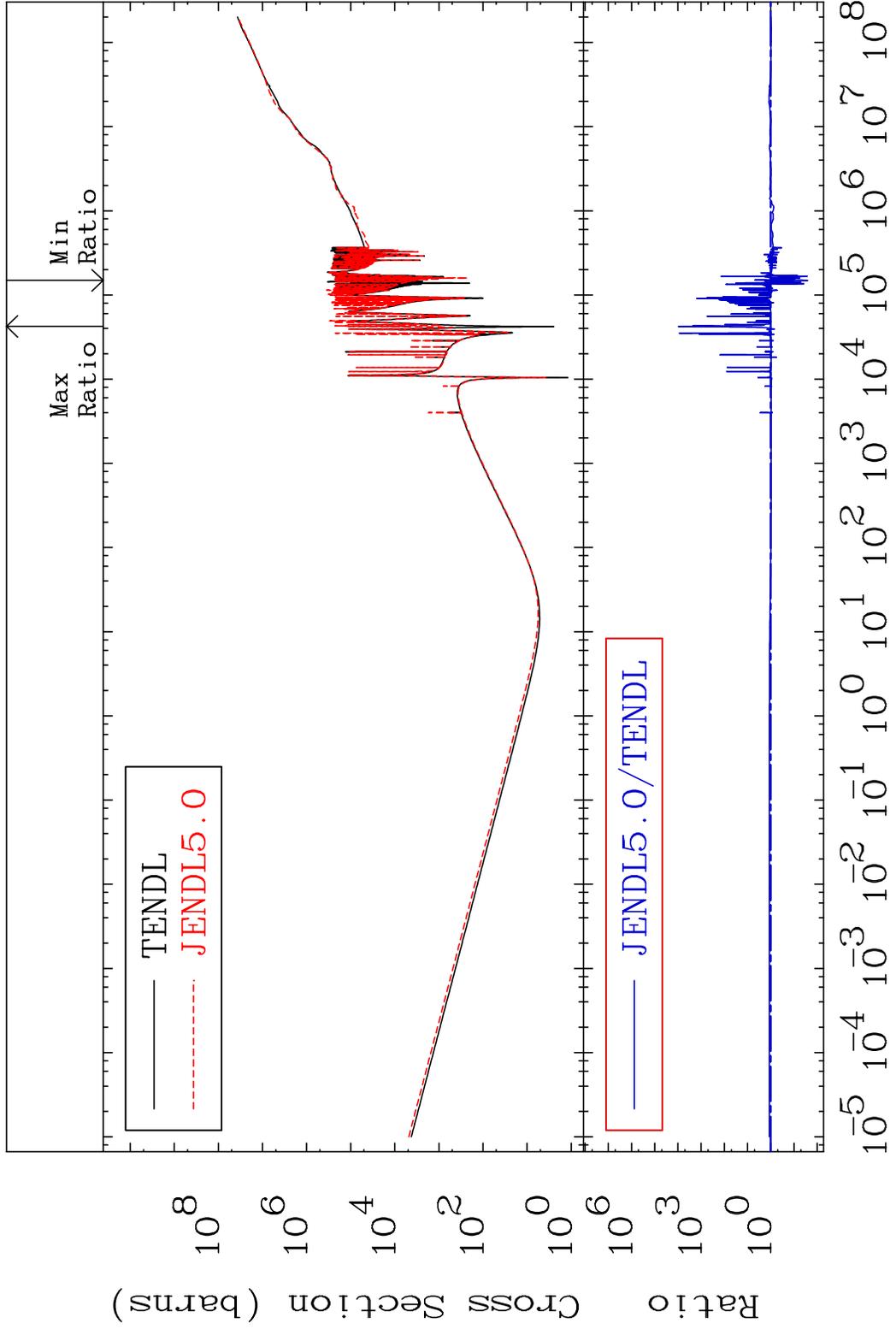
49 Incident Energy (eV) 22-Ti-46

MAT 2225 Total photon (eV-barns) 22-Ti-46
Cross Section -99.99 To 9999. %

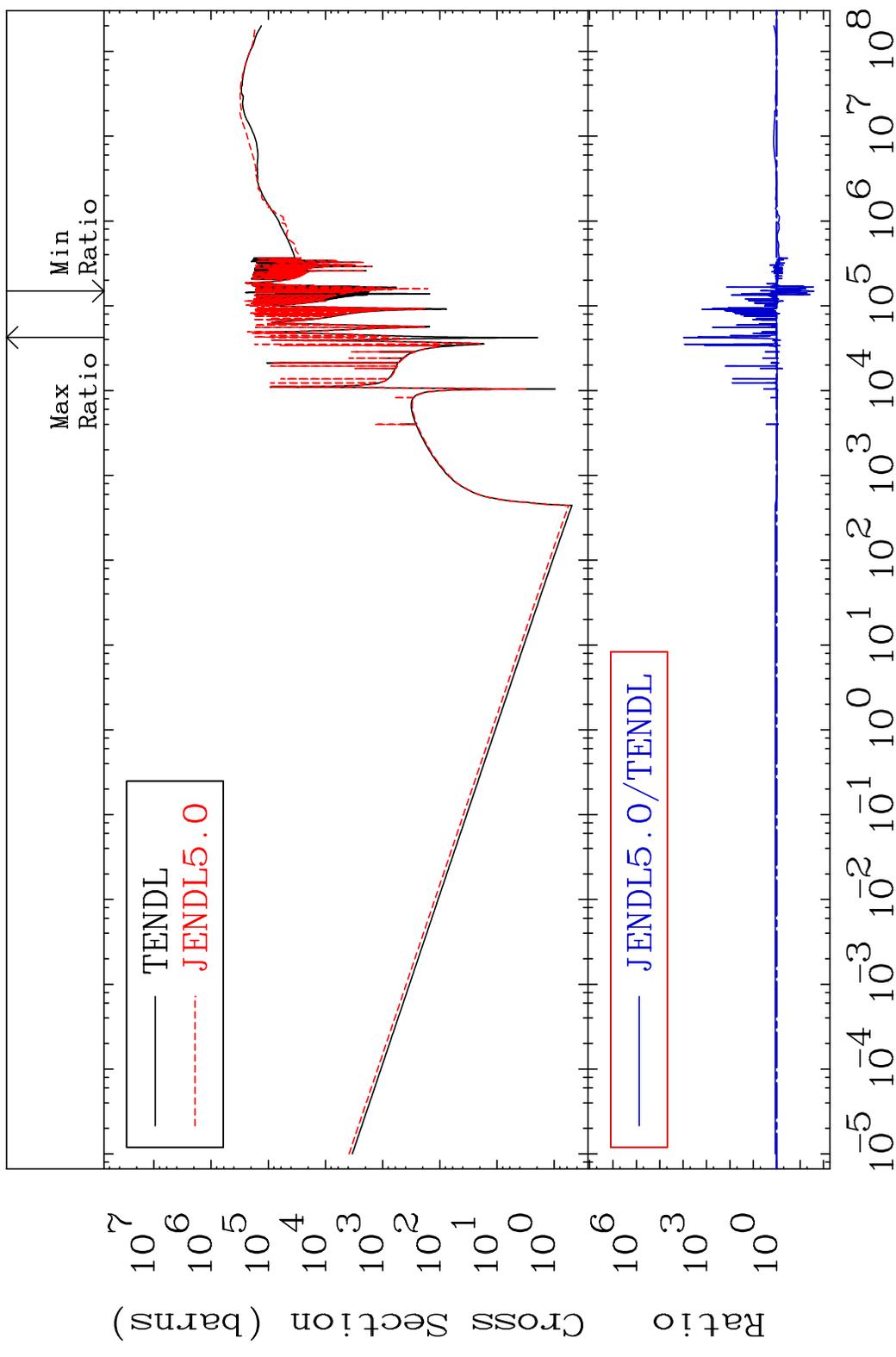


50 Incident Energy (eV) 22-Ti-46

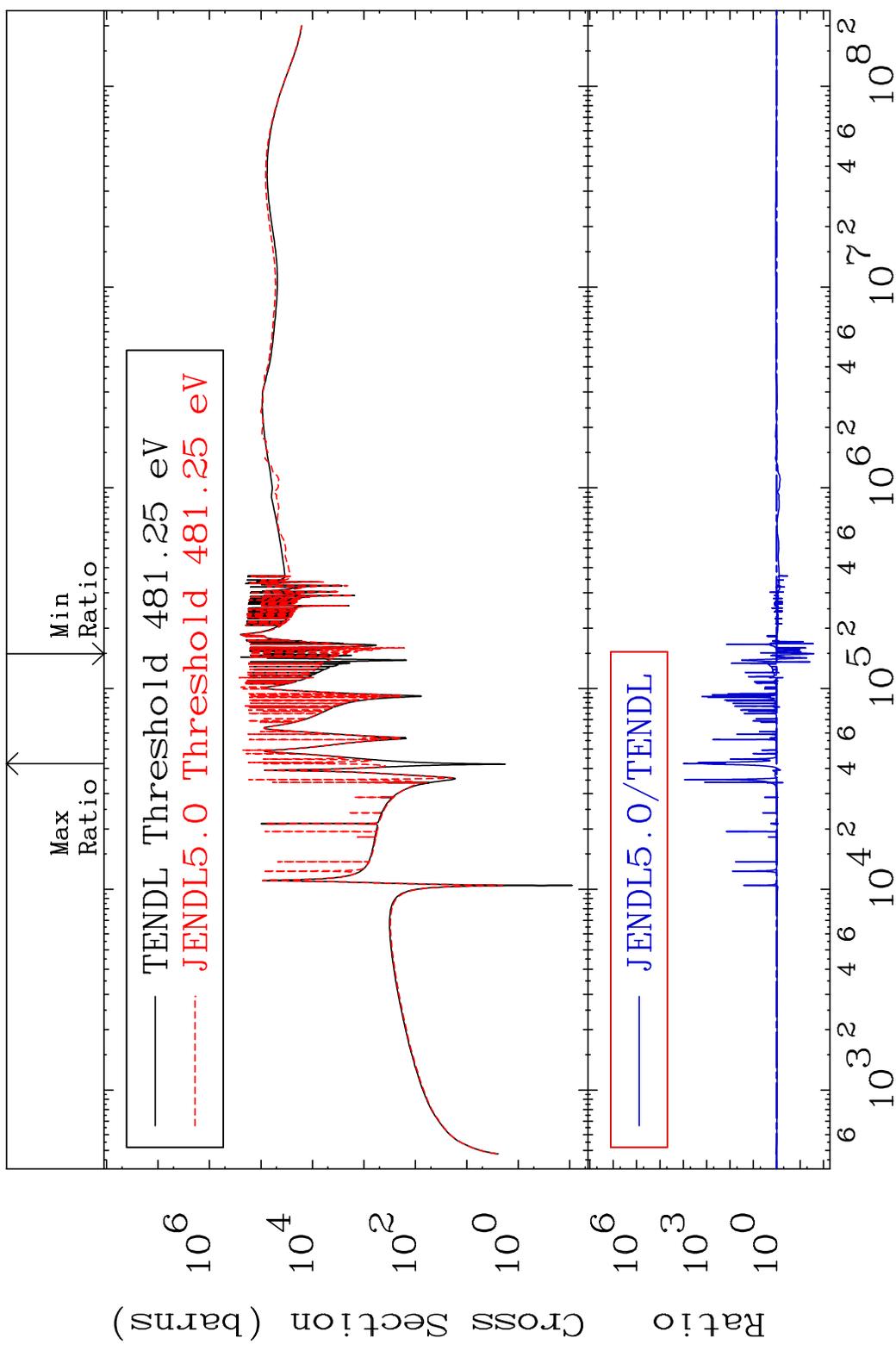
MAT 2225 Total kinematic kerma (high limit) 22-Ti-46
 Cross Section -97.48 To 9999. %



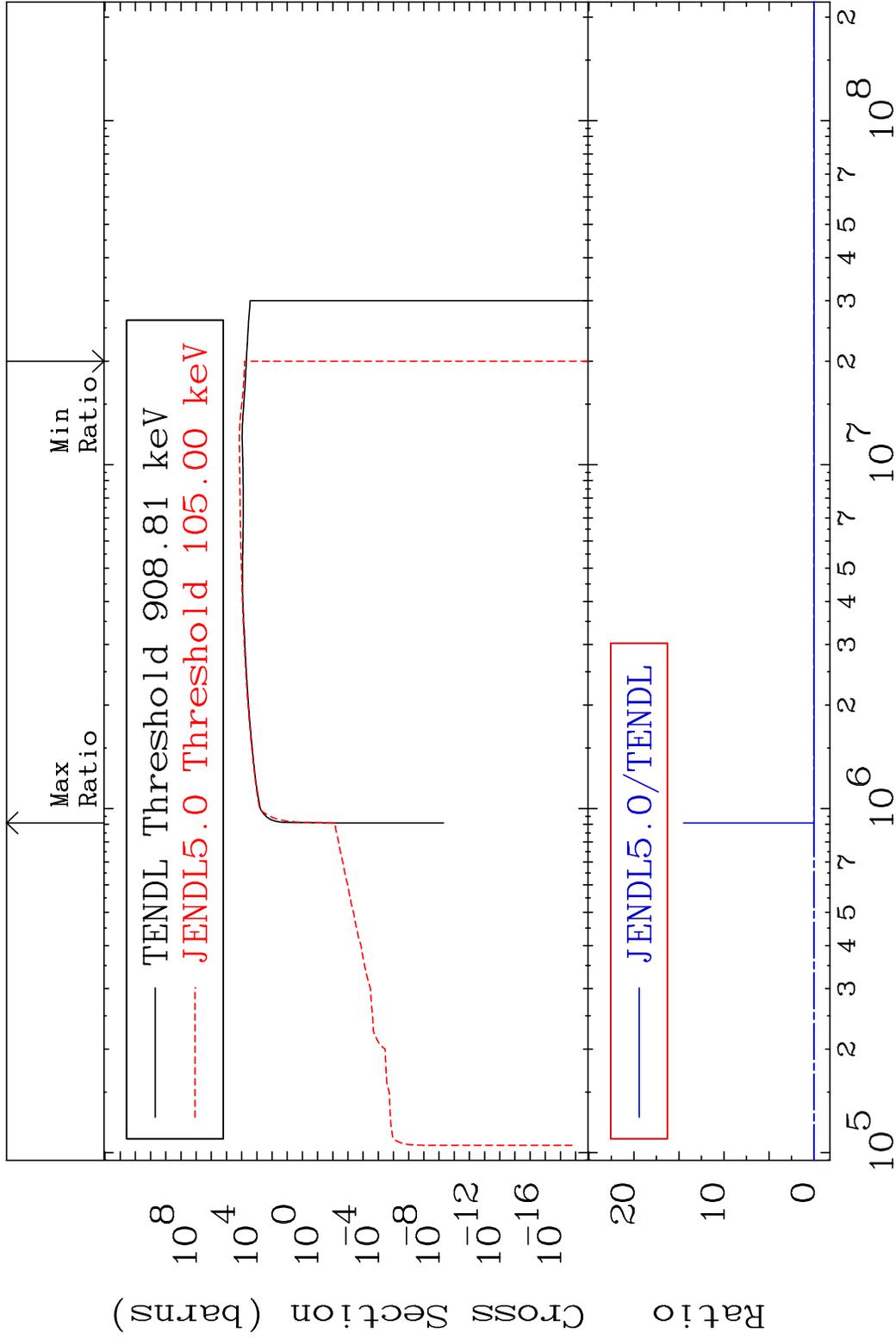
MAT 2225 Dpa total (eV-barns) 22-Ti-46
 Cross Section -97.48 To 9999. %



MAT 2225 Dpa elastic (mt2) 22-Ti-46
 Cross Section -97.48 To 9999. %

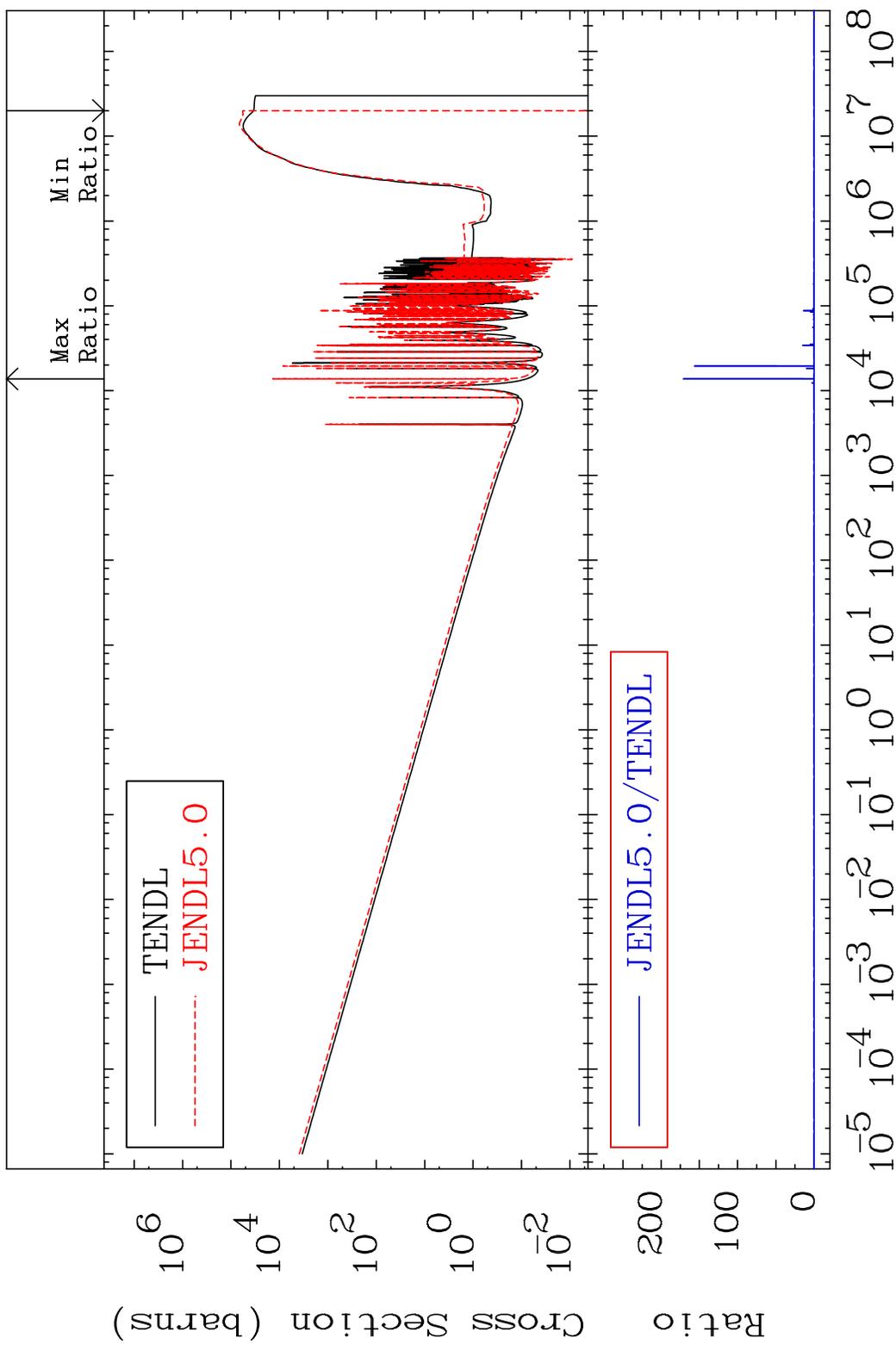


MAT 2225 Dpa inelastic (mt51-91) 22-Ti-46
 Cross Section -100.0 To 9999. %

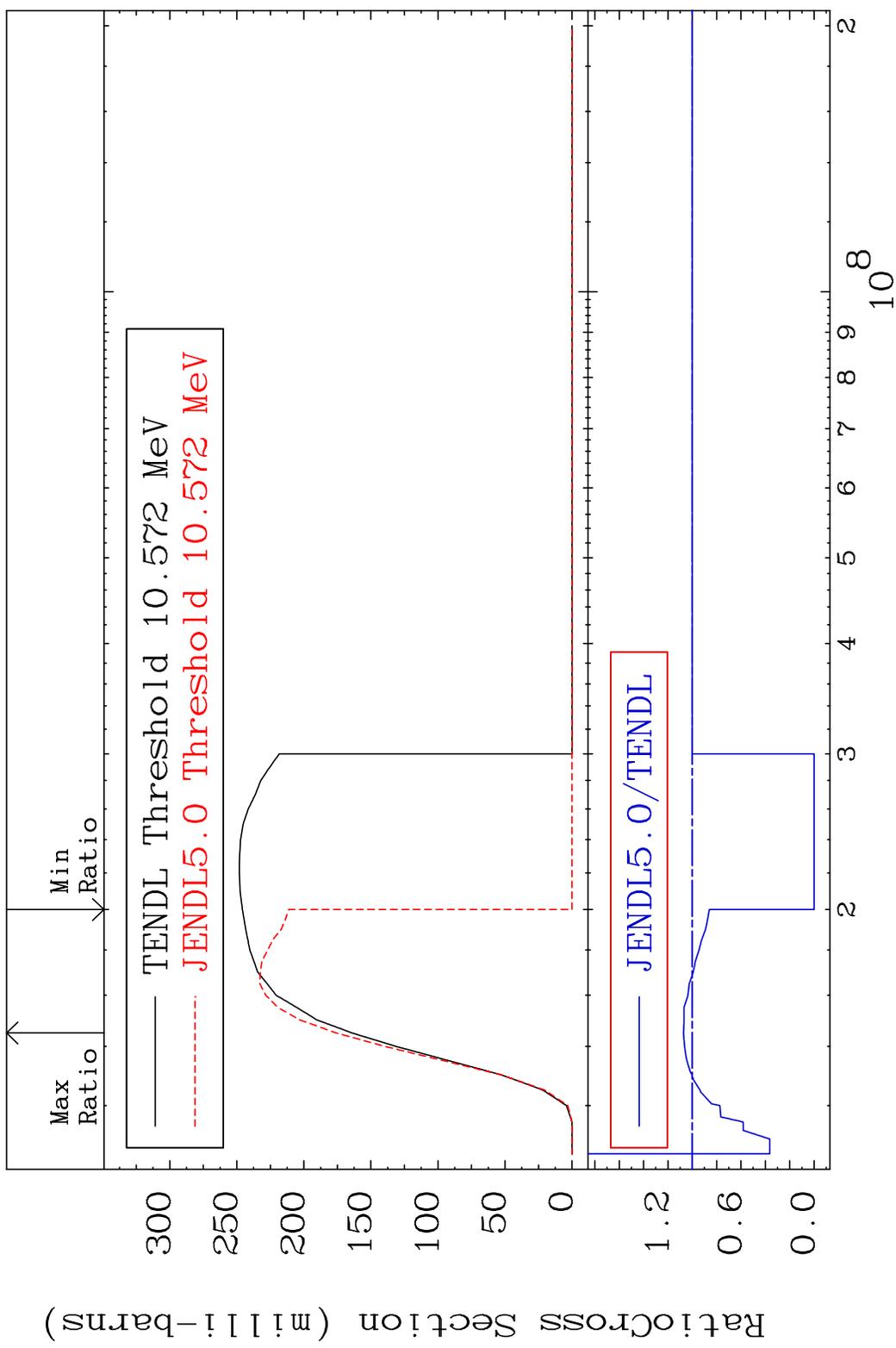


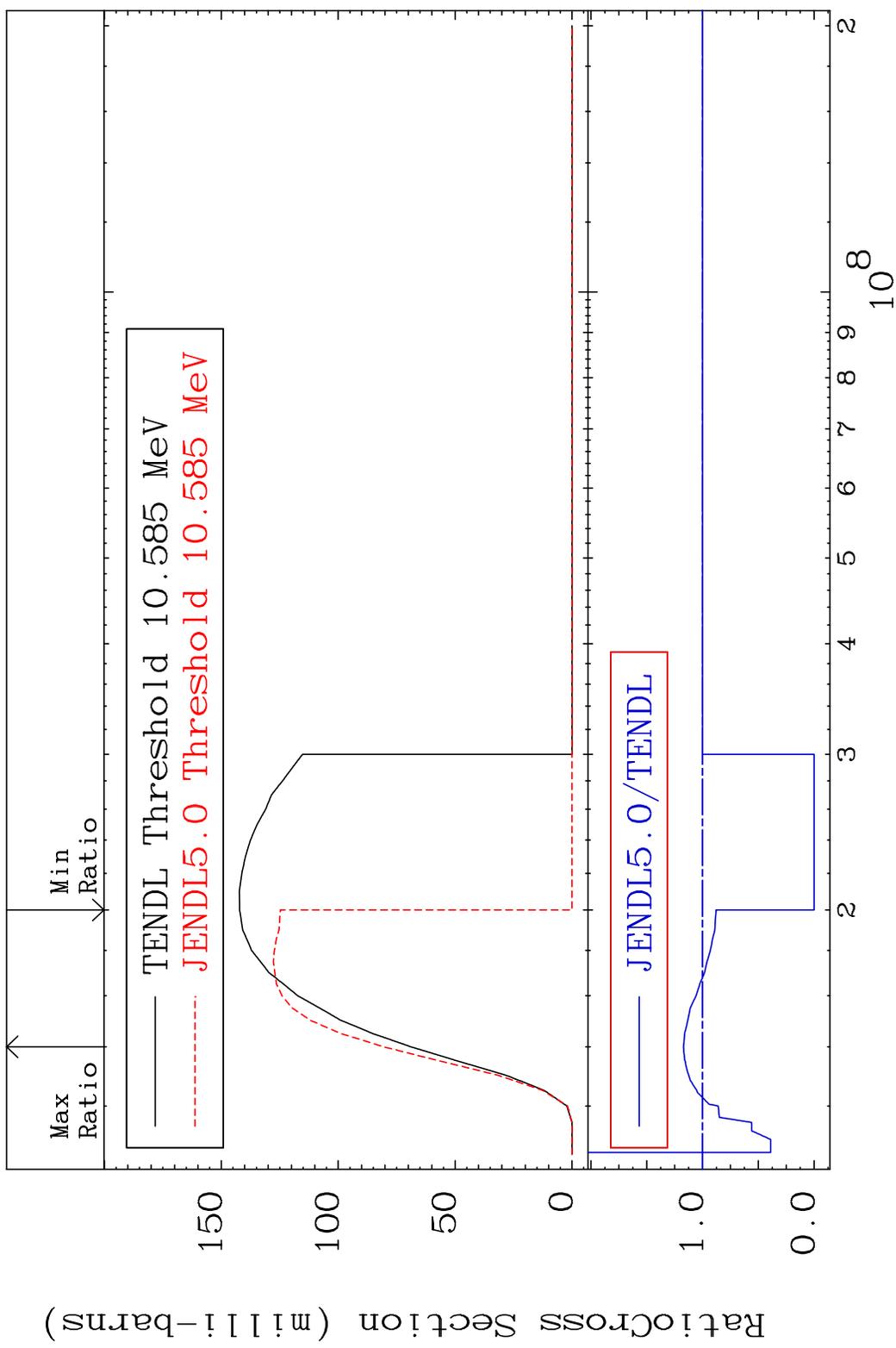
54 Incident Energy (eV) 22-Ti-46

MAT 2225 Dpa disappearance (mt102 -120) 22-Ti-46
 Cross Section -100.0 To 9999. %

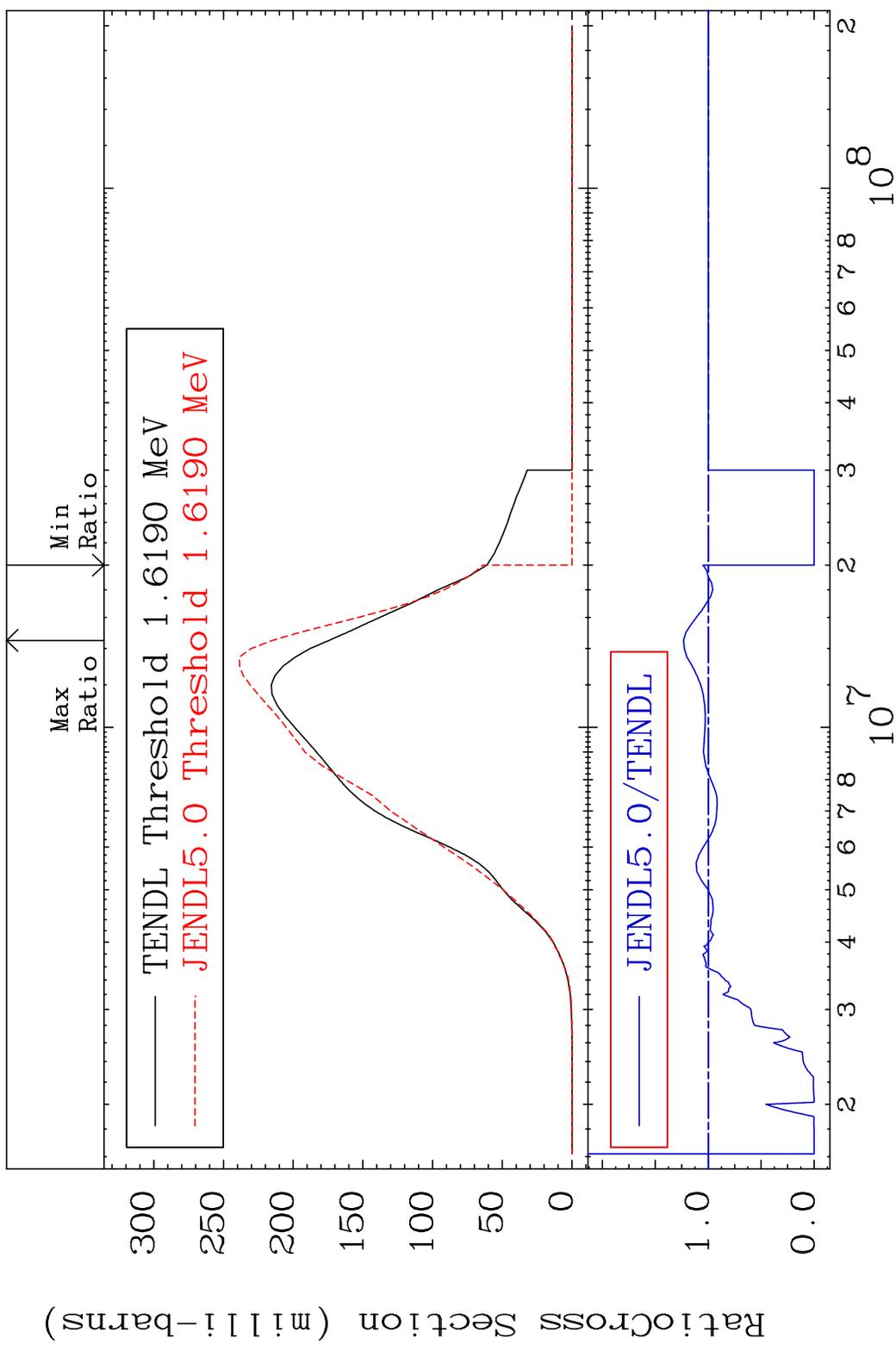


55 Incident Energy (eV) 22-Ti-46

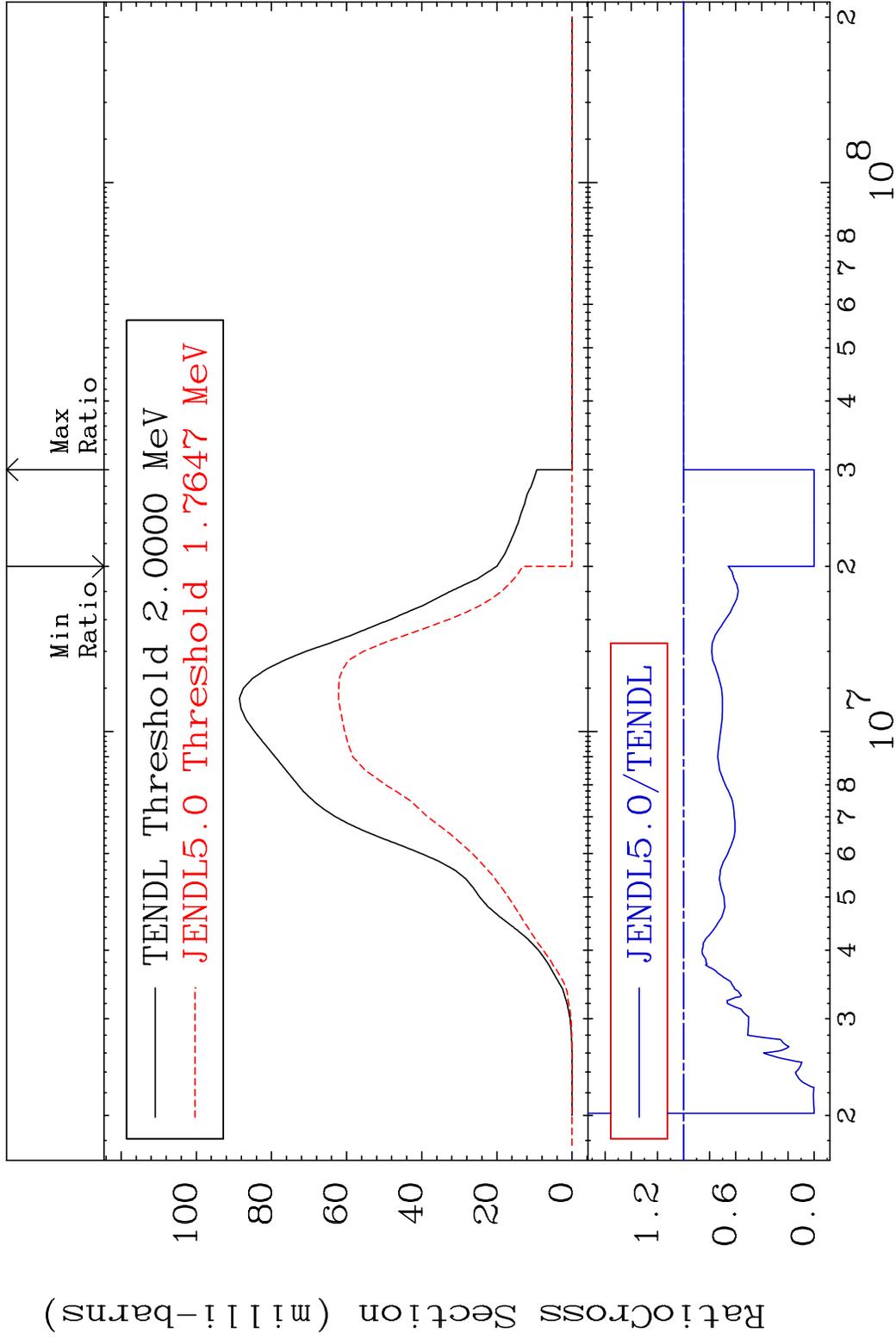




MAT 2225 (n,p):21-Sc-46g 22-Ti-46
 Radionuclide Production Cross Section 180000 dth 23.31 %

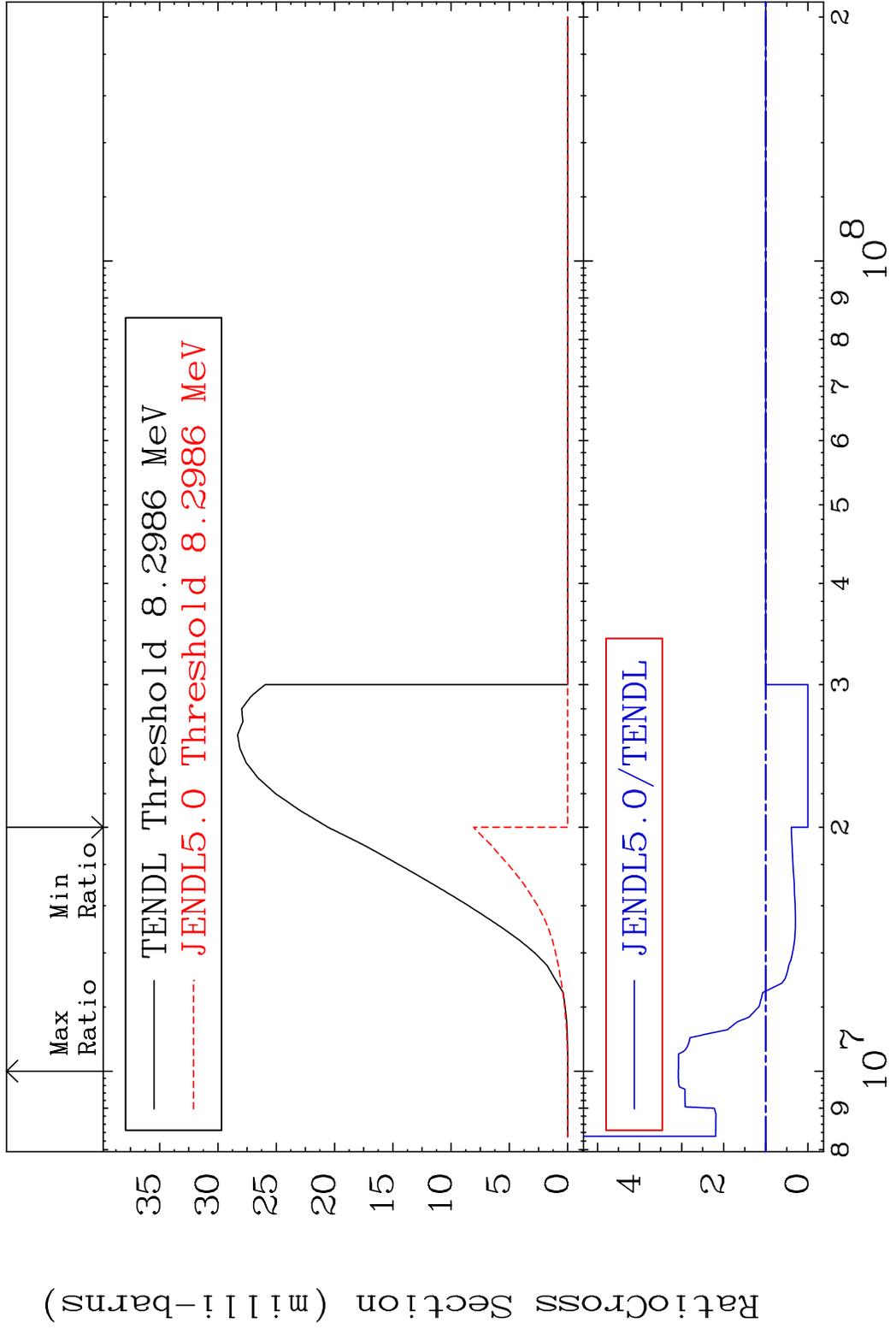


MAT 2225 (n,p):21-Sc-46m2 22-Ti-46
 Radionuclide Production Cross Section 180000 dpo 0.000 %



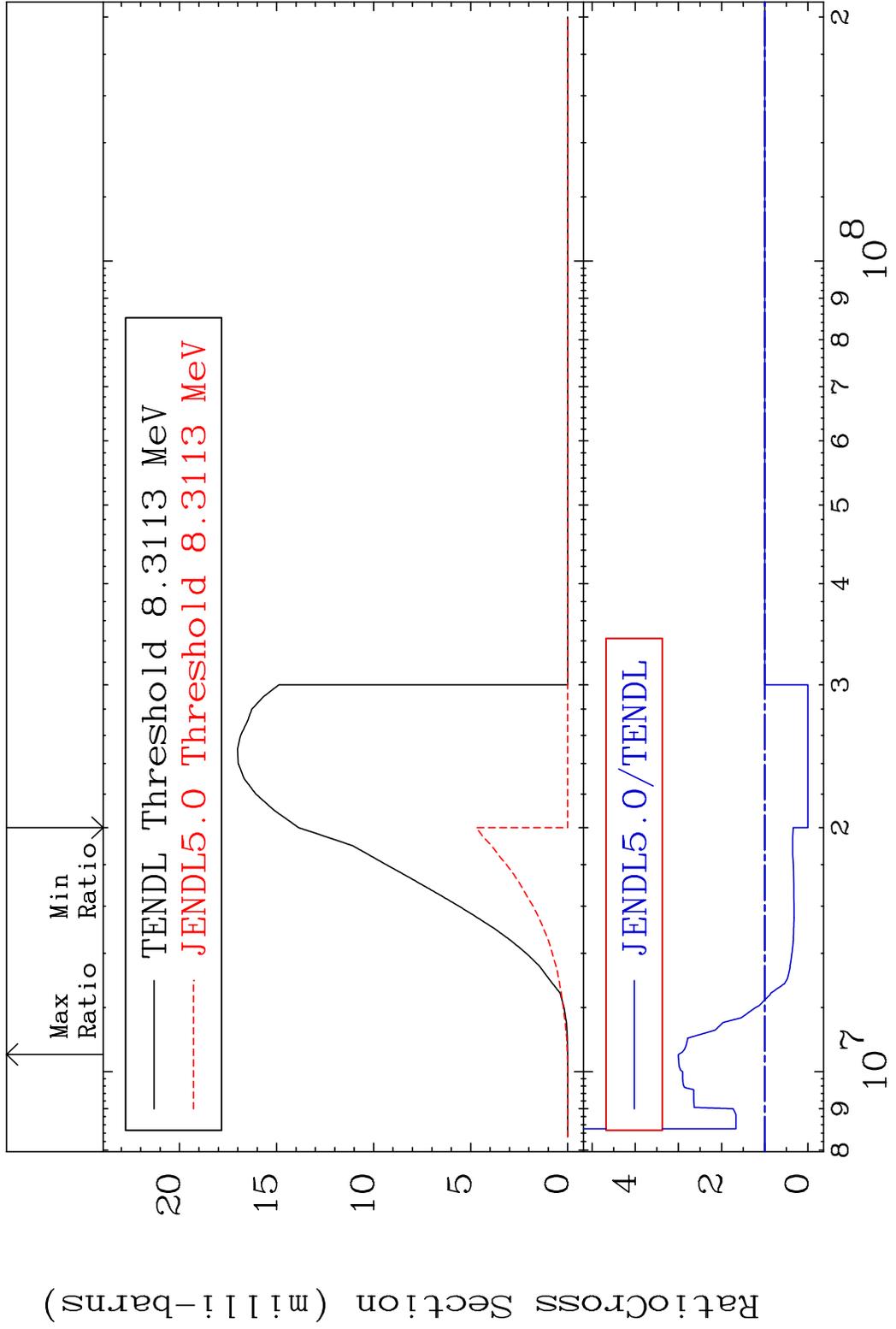
59 Incident Energy (eV) 22-Ti-46

MAT 2225 (n, d): 21-Sc-45g 22-Ti-46
 Radionuclide Production Cross Section 180000 dth 207.9 %

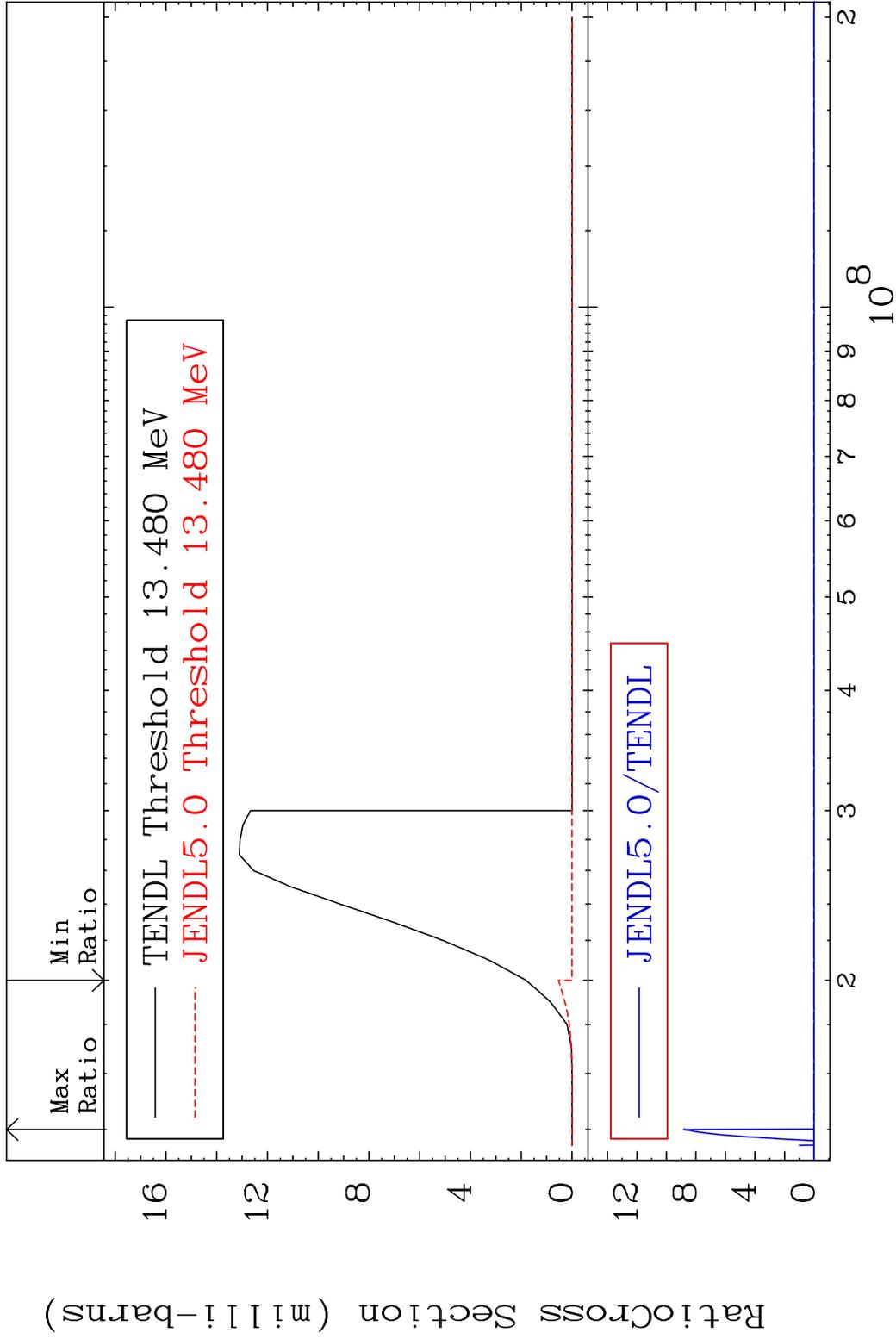


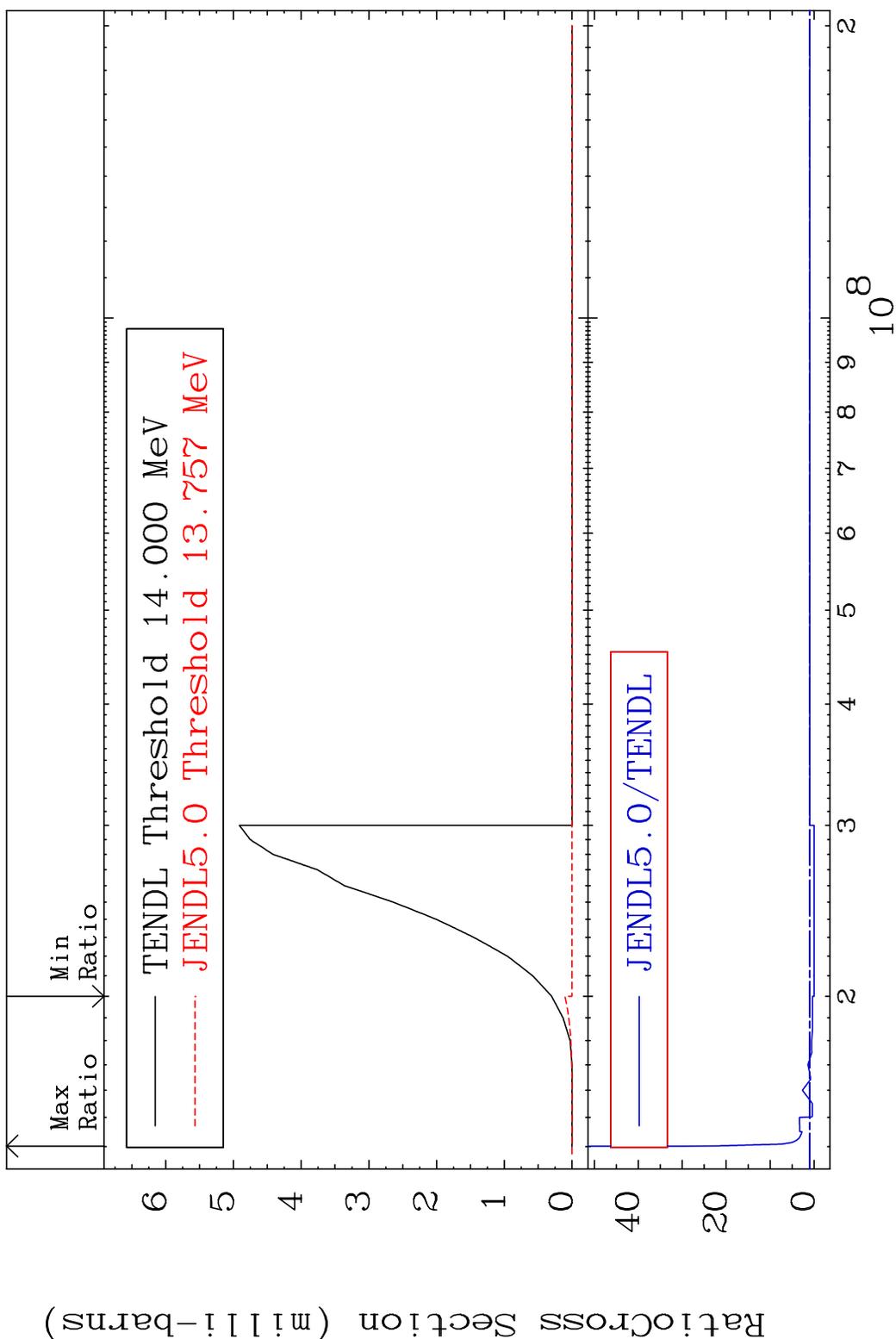
22-Ti-46

MAT 2225 (n,d):21-Sc-45m1 22-Ti-46
 Radionuclide Production Cross Section 180000 dth 200.3 %

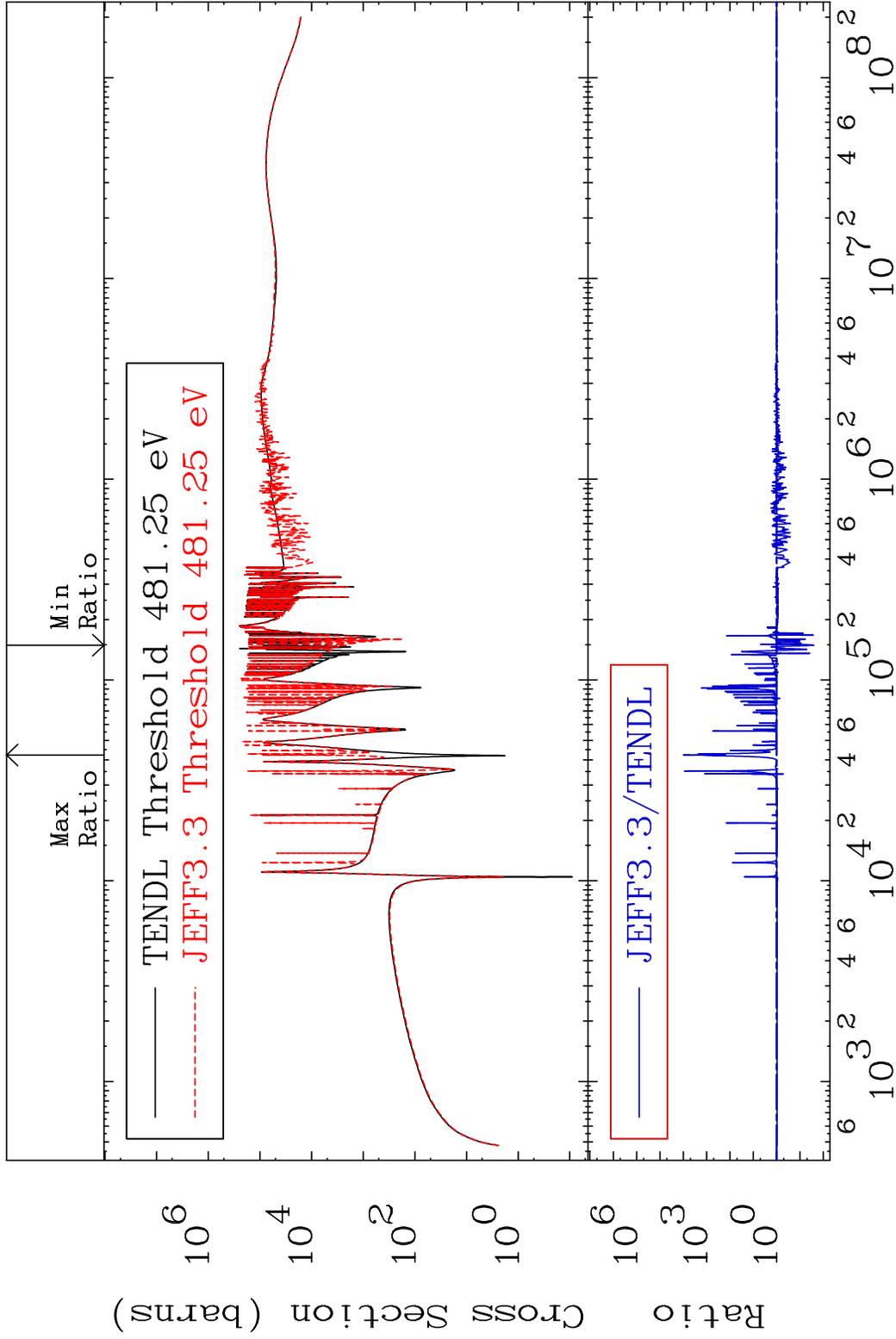


61 22-Ti-46



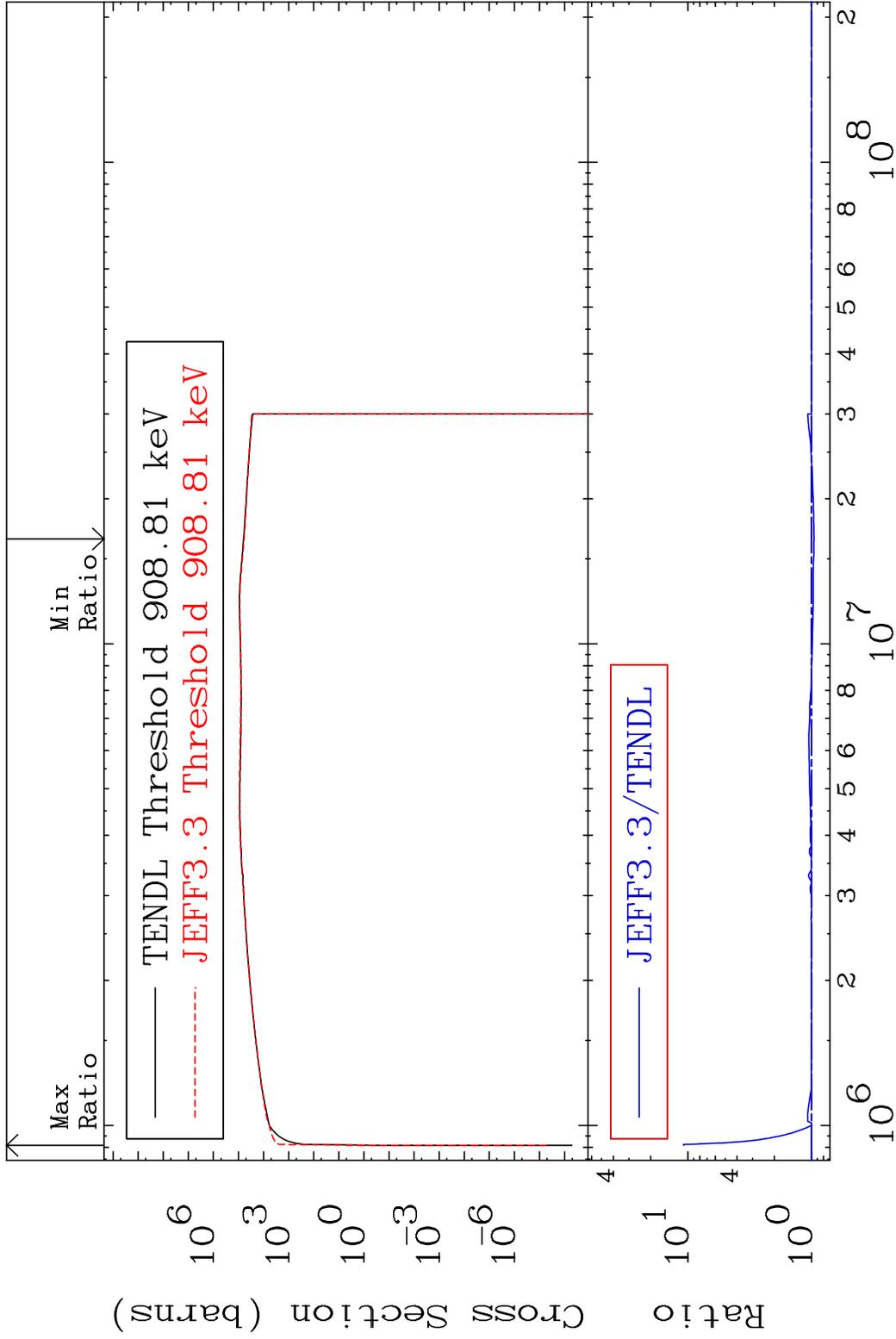


MAT 2225 Dpa elastic (mt2) 22-Ti-46
 Cross Section -97.50 To 9999. %



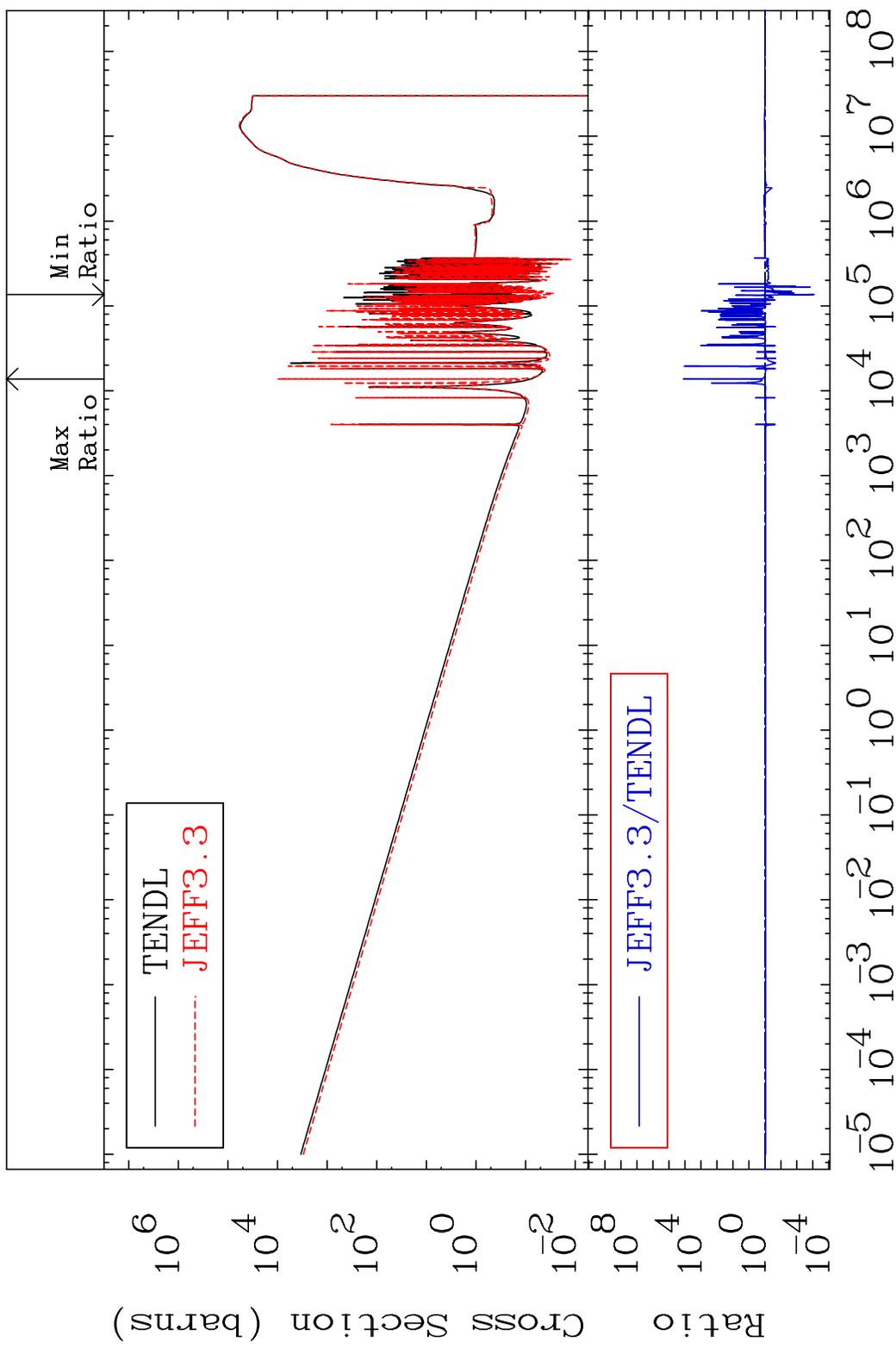
64 Incident Energy (eV) 22-Ti-46

MAT 2225 Dpa inelastic (mt51-91) 22-Ti-46
Cross Section -4.509 To 984.6 %

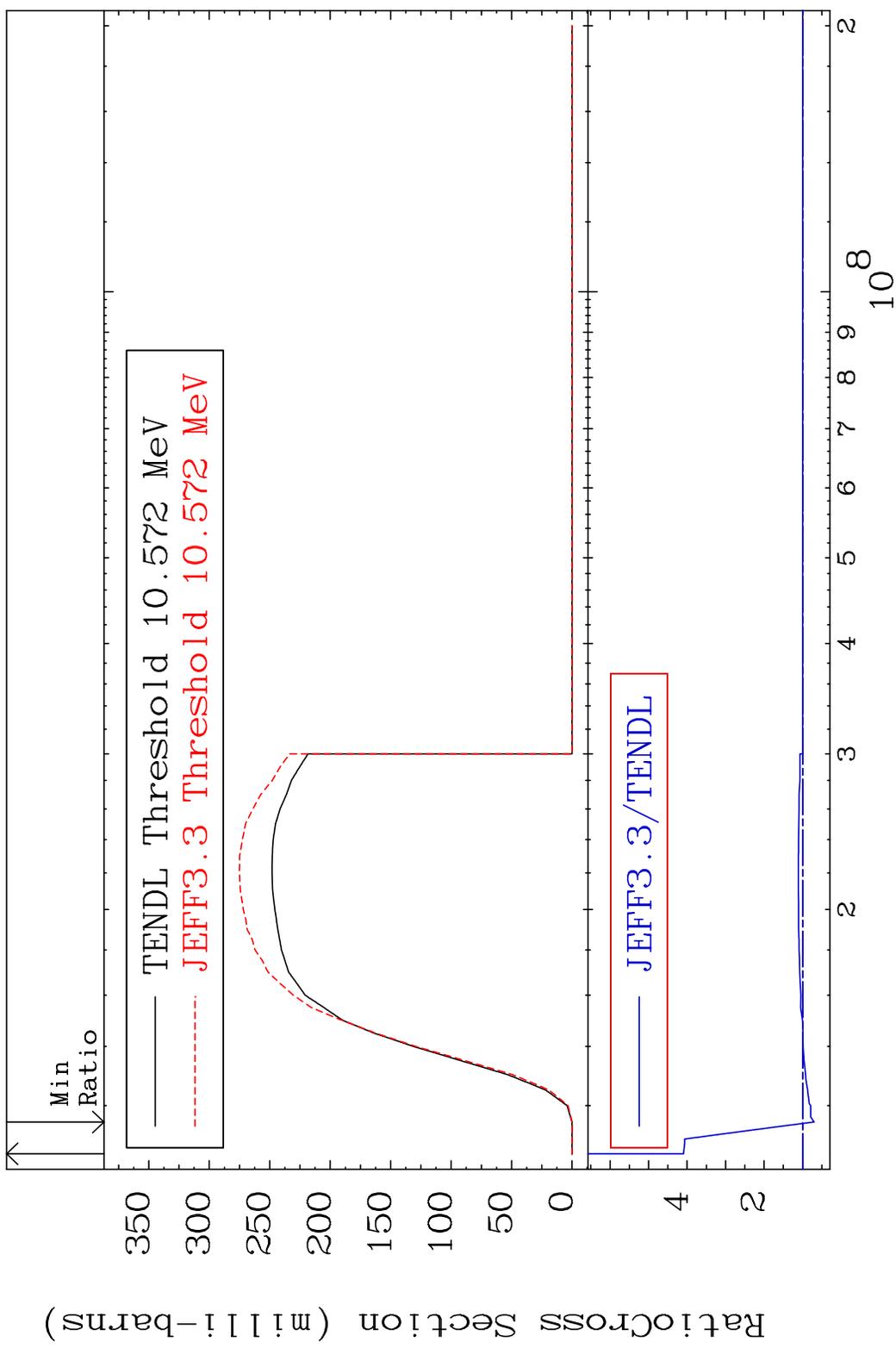


65 Incident Energy (eV) 22-Ti-46

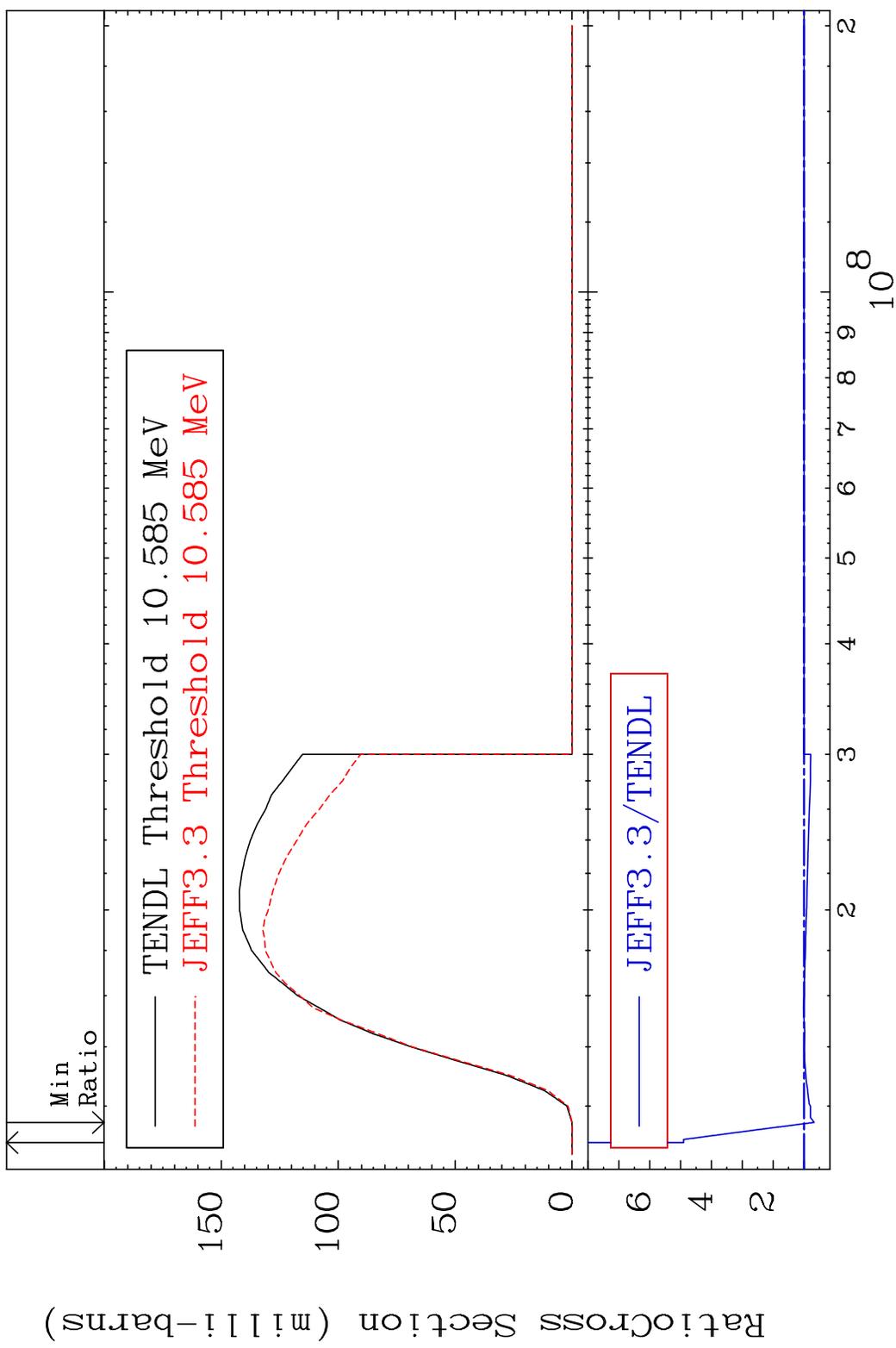
MAT 2225 Dpa disappearance (mt102 -120) 22-Ti-46
 Cross Section -99.92 To 9999. %



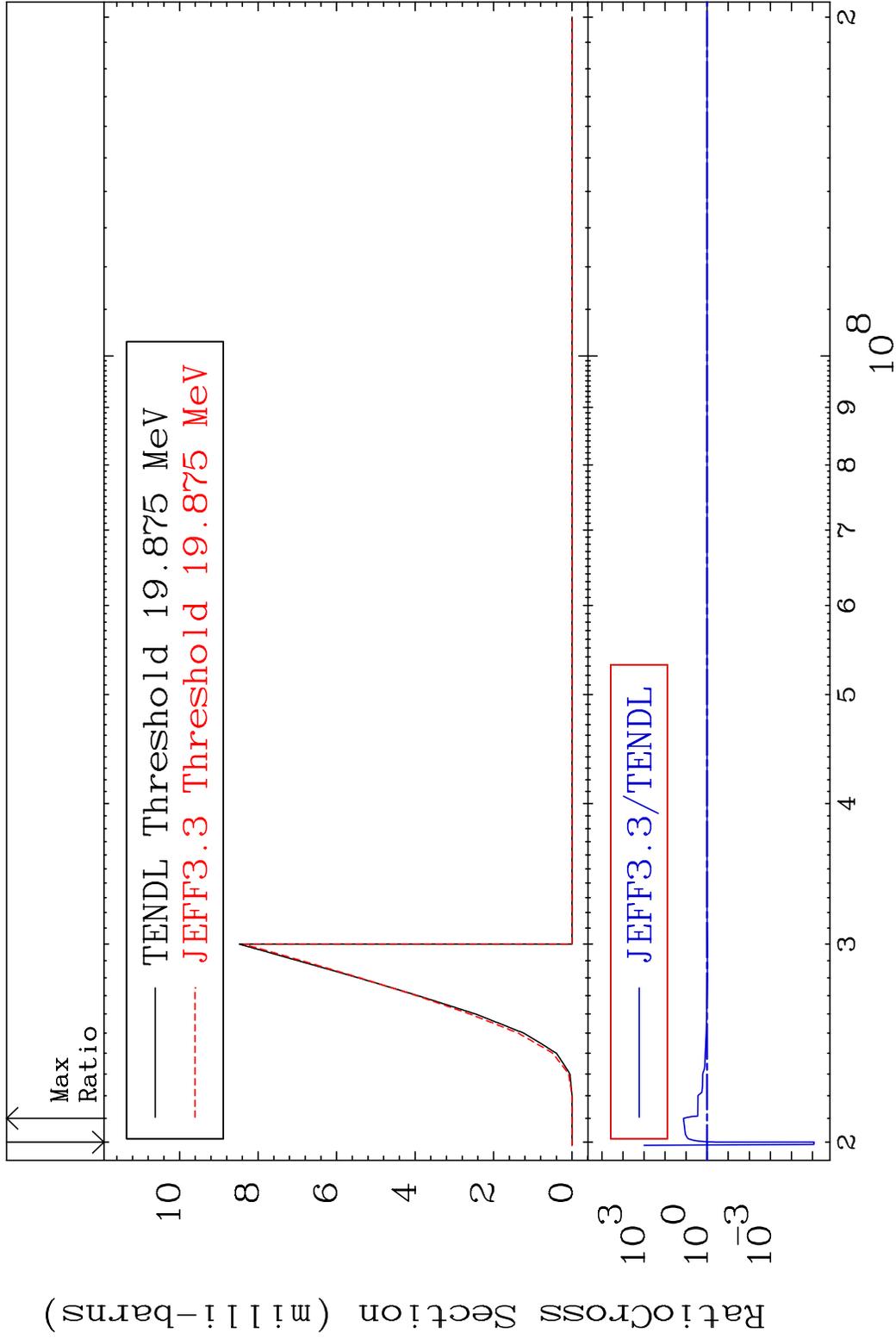
66 Incident Energy (eV) 22-Ti-46



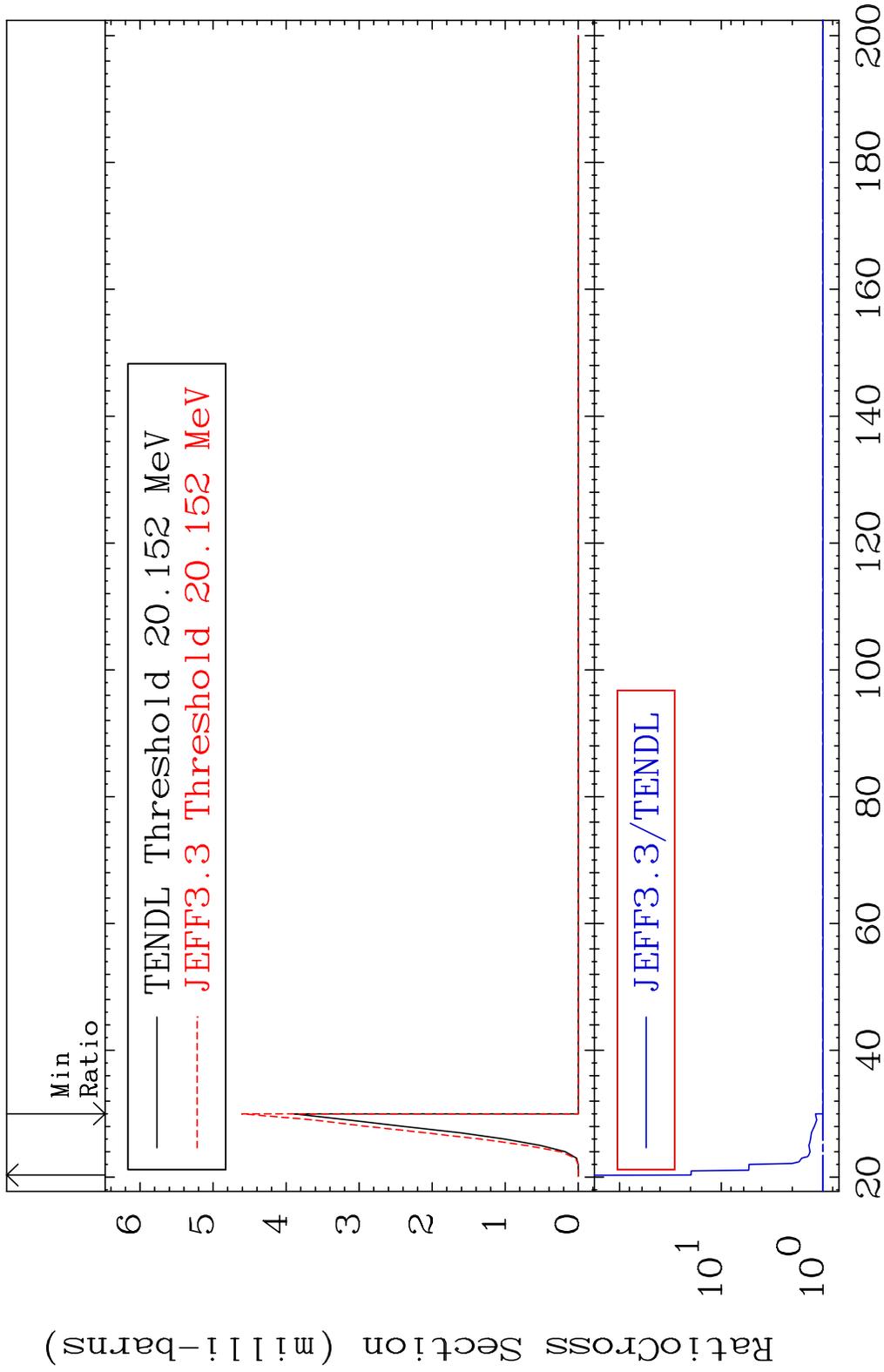
MAT 2225 (n, n') p:21-Sc-45m1 22-Ti-46
 Radionuclide Production Cross Section 32661 d to 390.6 %



68 22-Ti-46

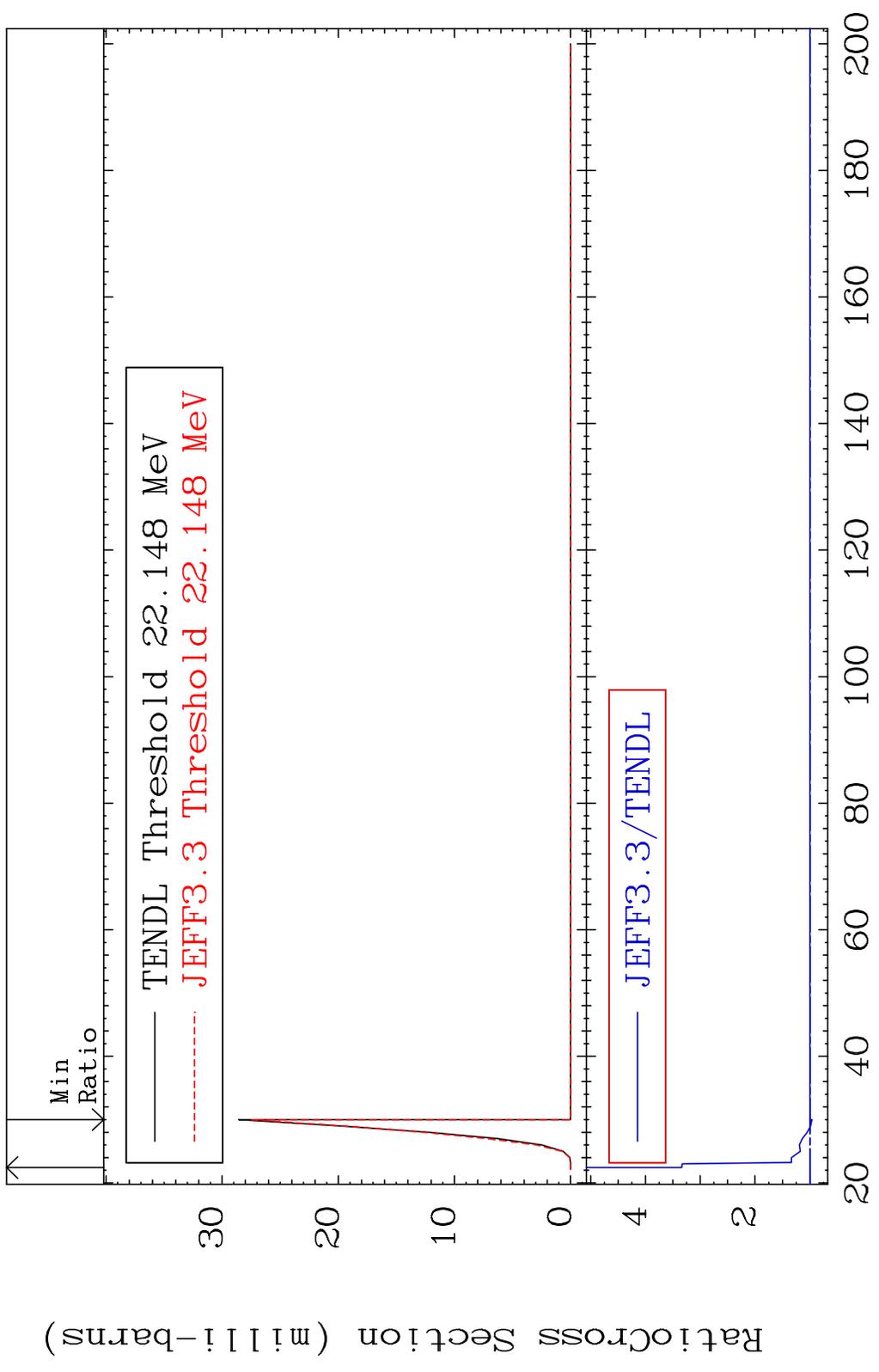


MAT 2225 (n, n') d:21-Sc-44m4 22-Ti-46
Radionuclide Production Cross Section 1883. %

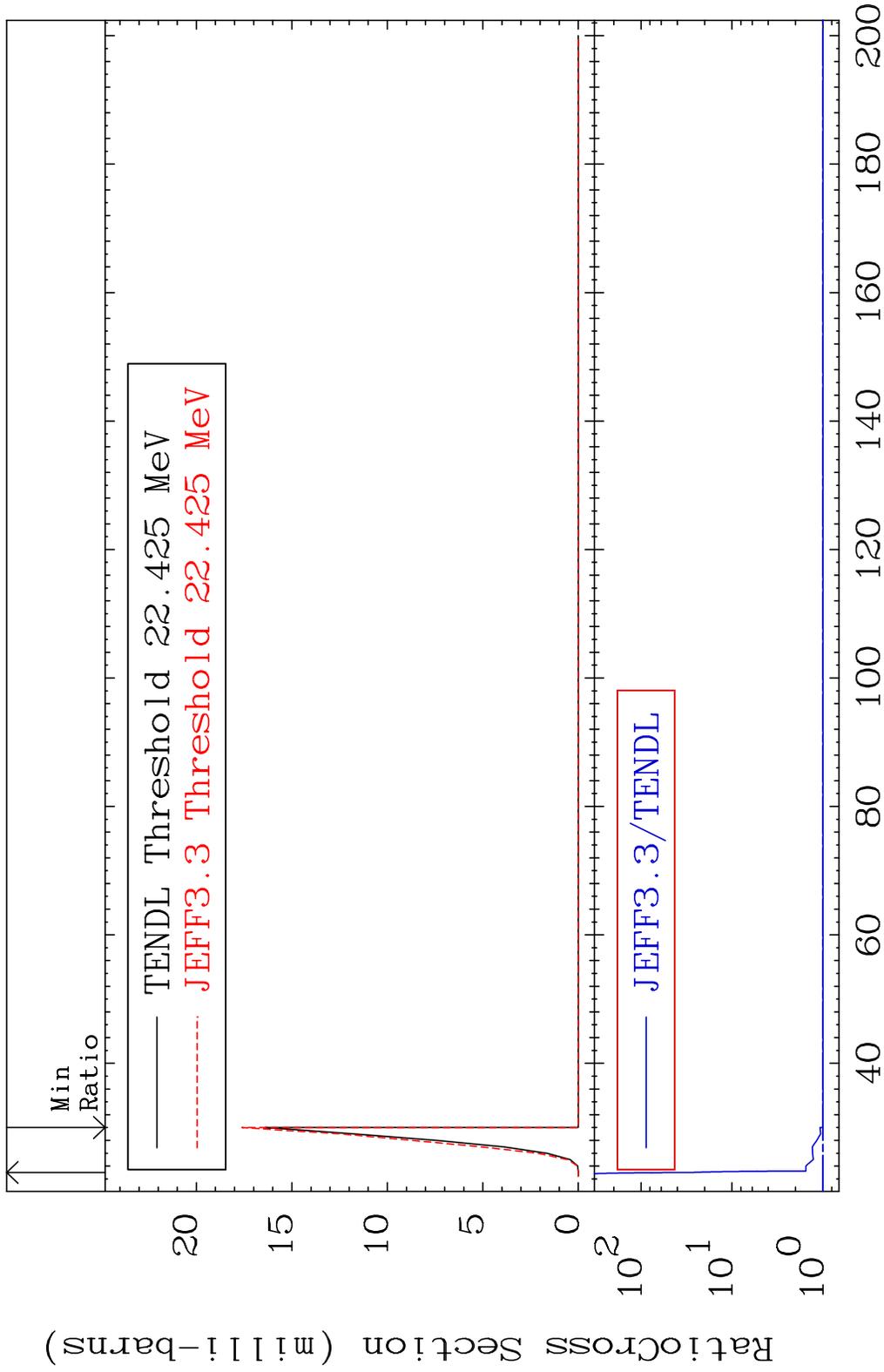


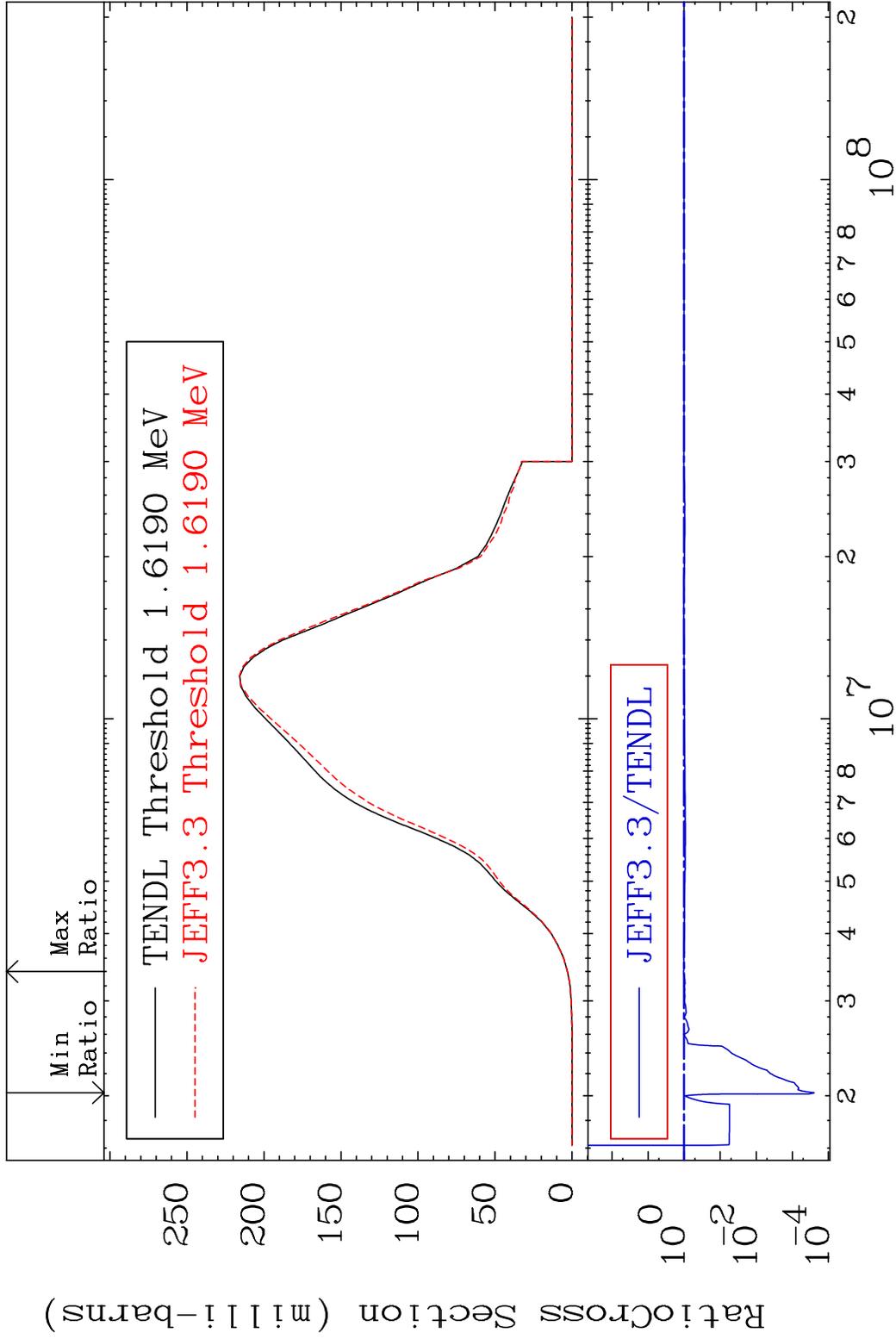
70 Incident Energy (MeV) 22-Ti-46

MAT 2225 (n,2n) p:21-Sc-44g 22-Ti-46
 Radionuclide Production Cross Section 233.9 %

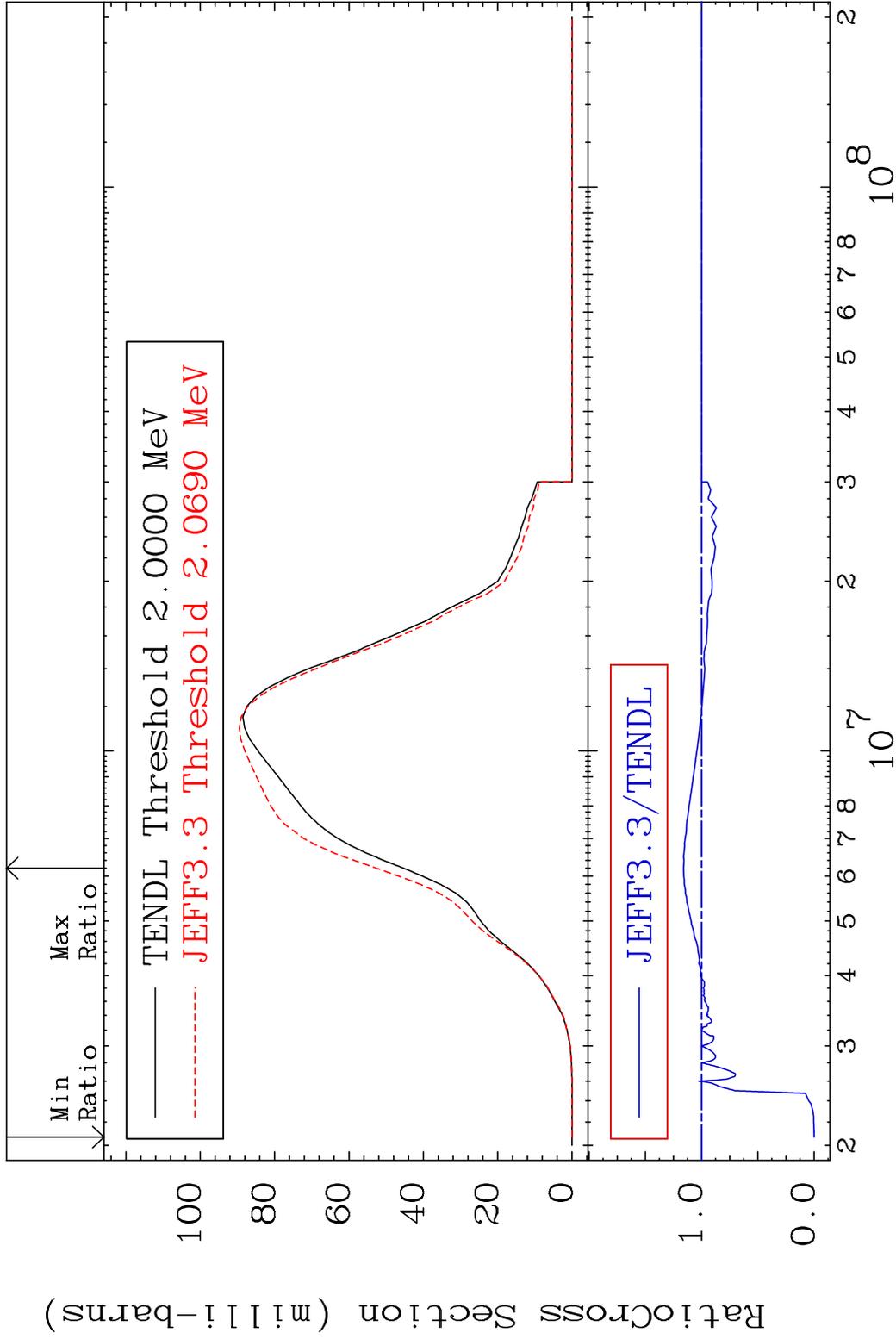


71 22-Ti-46

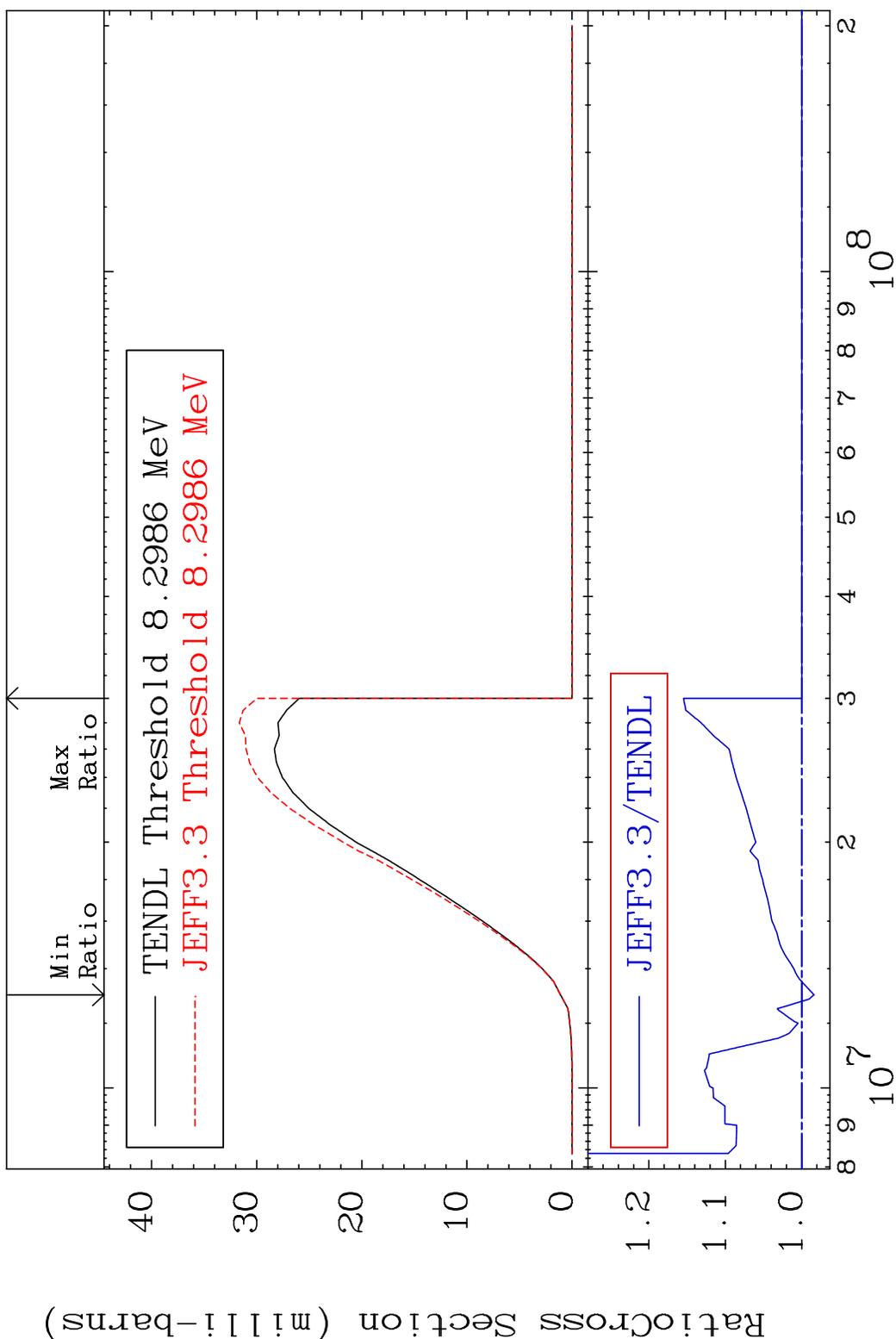




MAT 2225 (n,p):21-Sc-46m2 22-Ti-46
 Radionuclide Production Cross Section 18000 dpo 16.05 %

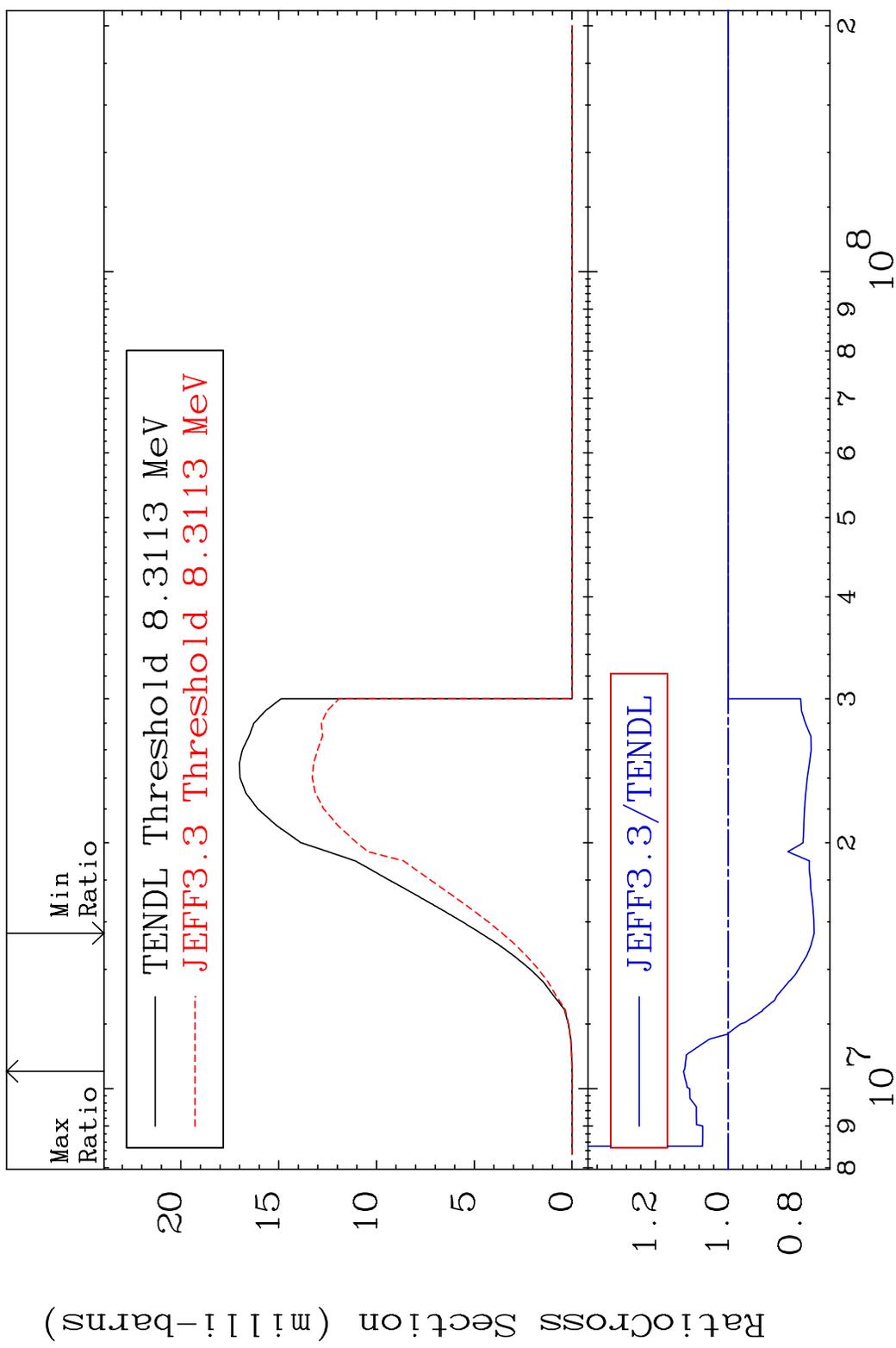


MAT 2225 (n, d): 21-Sc-45g 22-Ti-46
 Radionuclide Production Cross Section 15.47 %

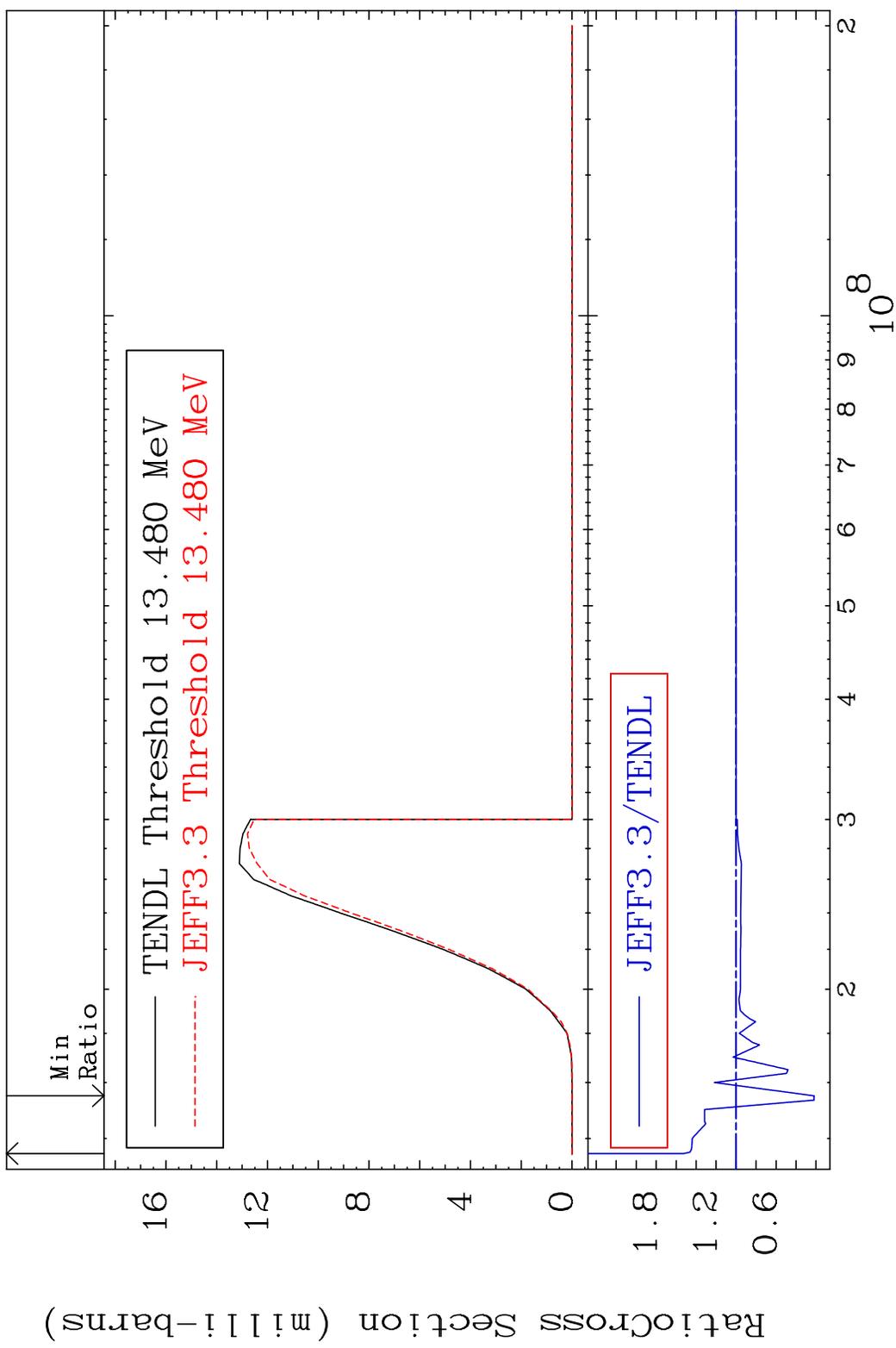


75 22-Ti-46

MAT 2225 (n,d):21-Sc-45m1 22-Ti-46
 Radionuclide Production Cross Section 12.28 %



76 Incident Energy (eV) 22-Ti-46



MAT 2225 (n,t):21-Sc-44m4 22-Ti-46
 Radionuclide Production Cross Section 42.60 %

