

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

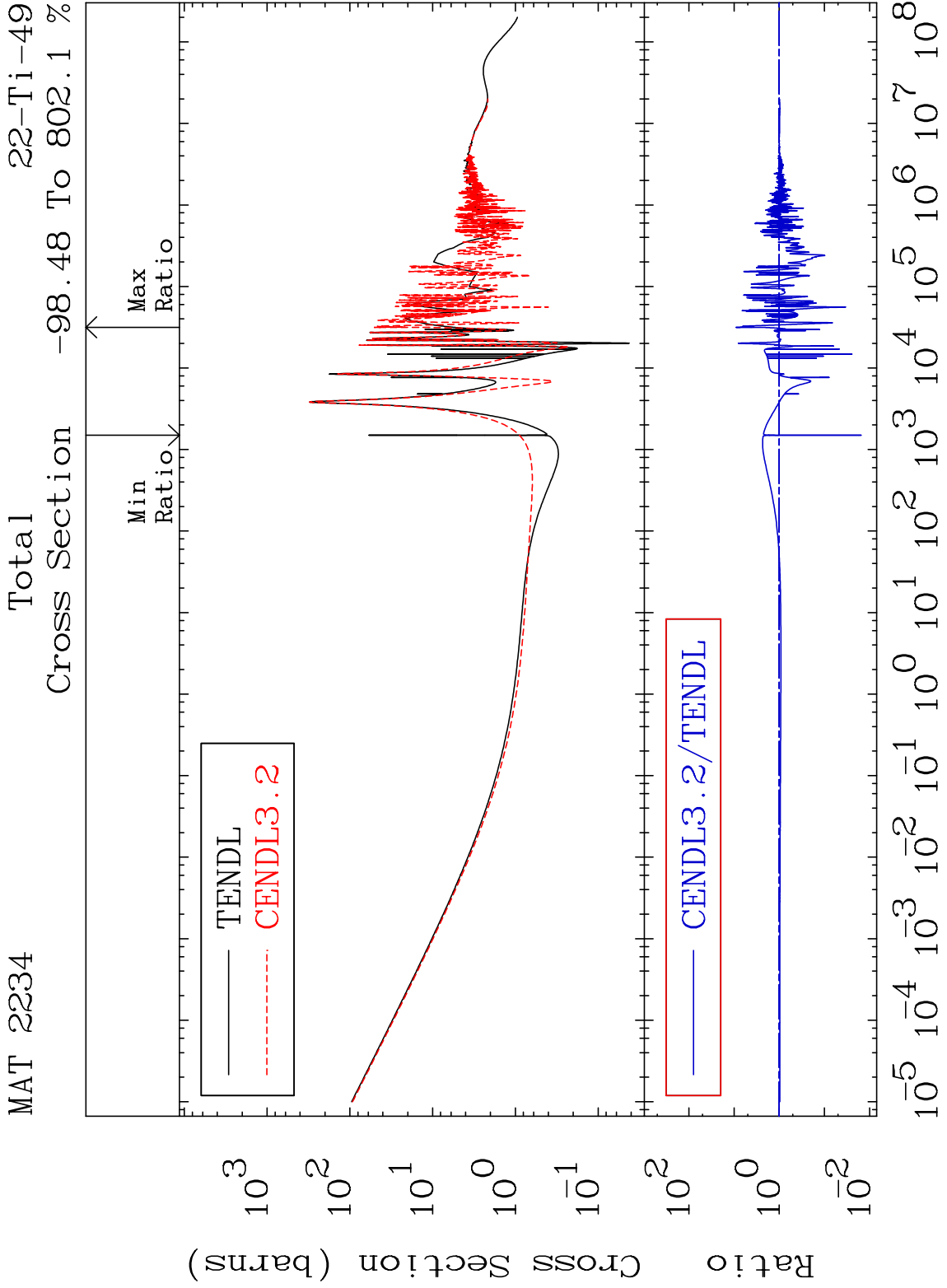
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Press Mouse Button to Start



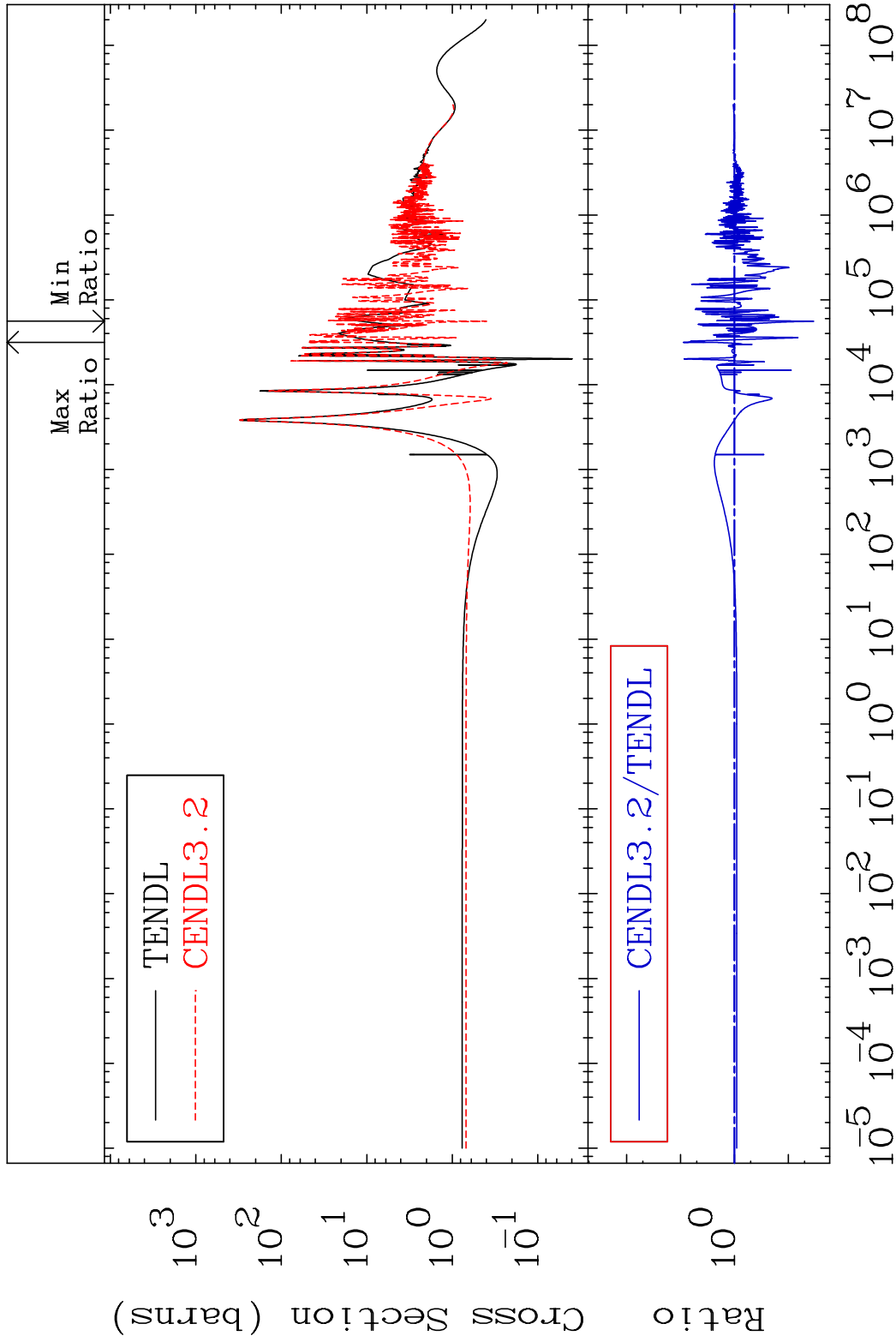
1 Incident Energy (eV) ²²Ti-49

MAT 2234

Elastic

²²Ti-49

Cross Section -96.64 To 781.4 %

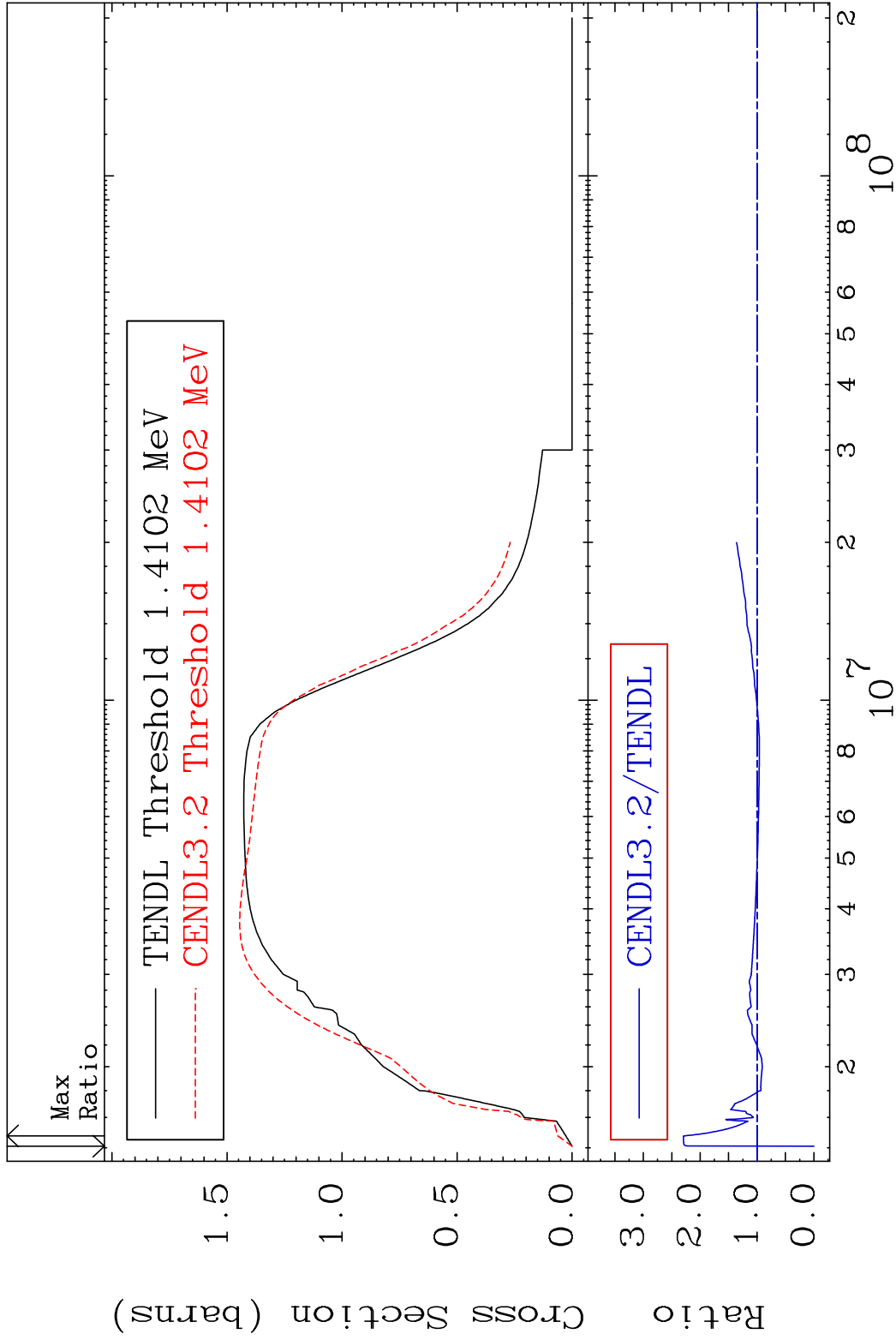


2

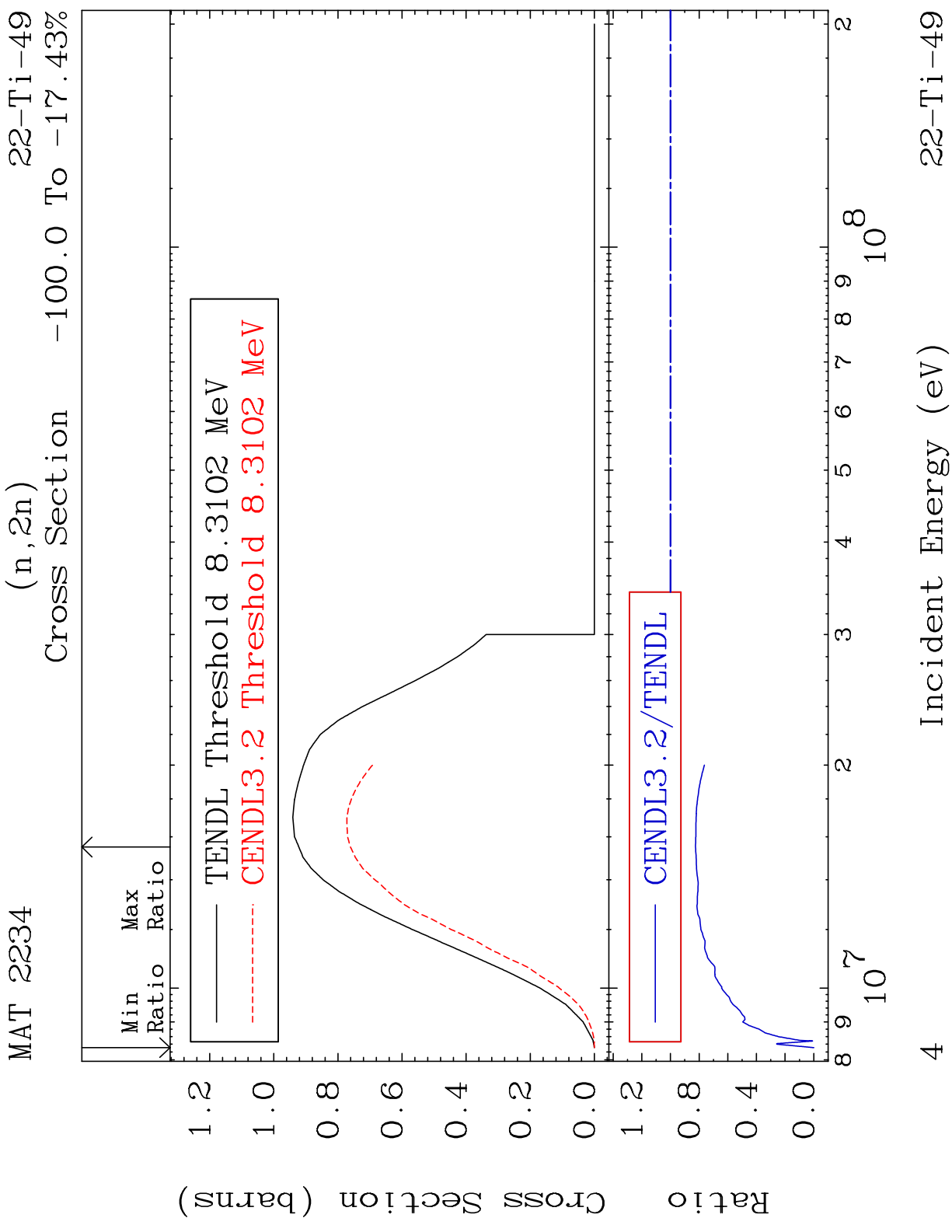
Incident Energy (eV)

²²Ti-49

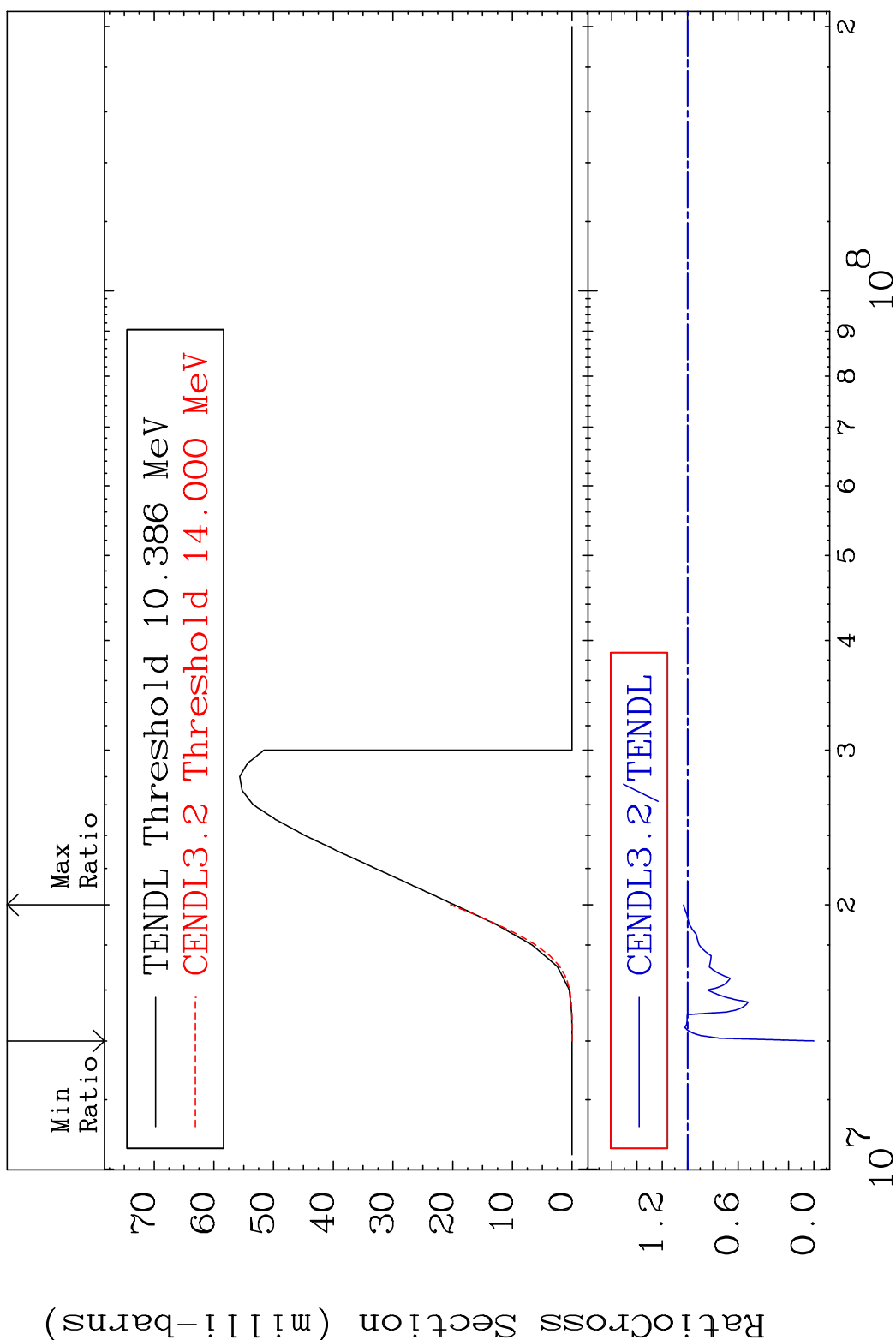
MAT 2234 Inelastic ²²Ti-49
 Cross Section -100.0 To 129.4 %



3 Incident Energy (eV) ²²Ti-49

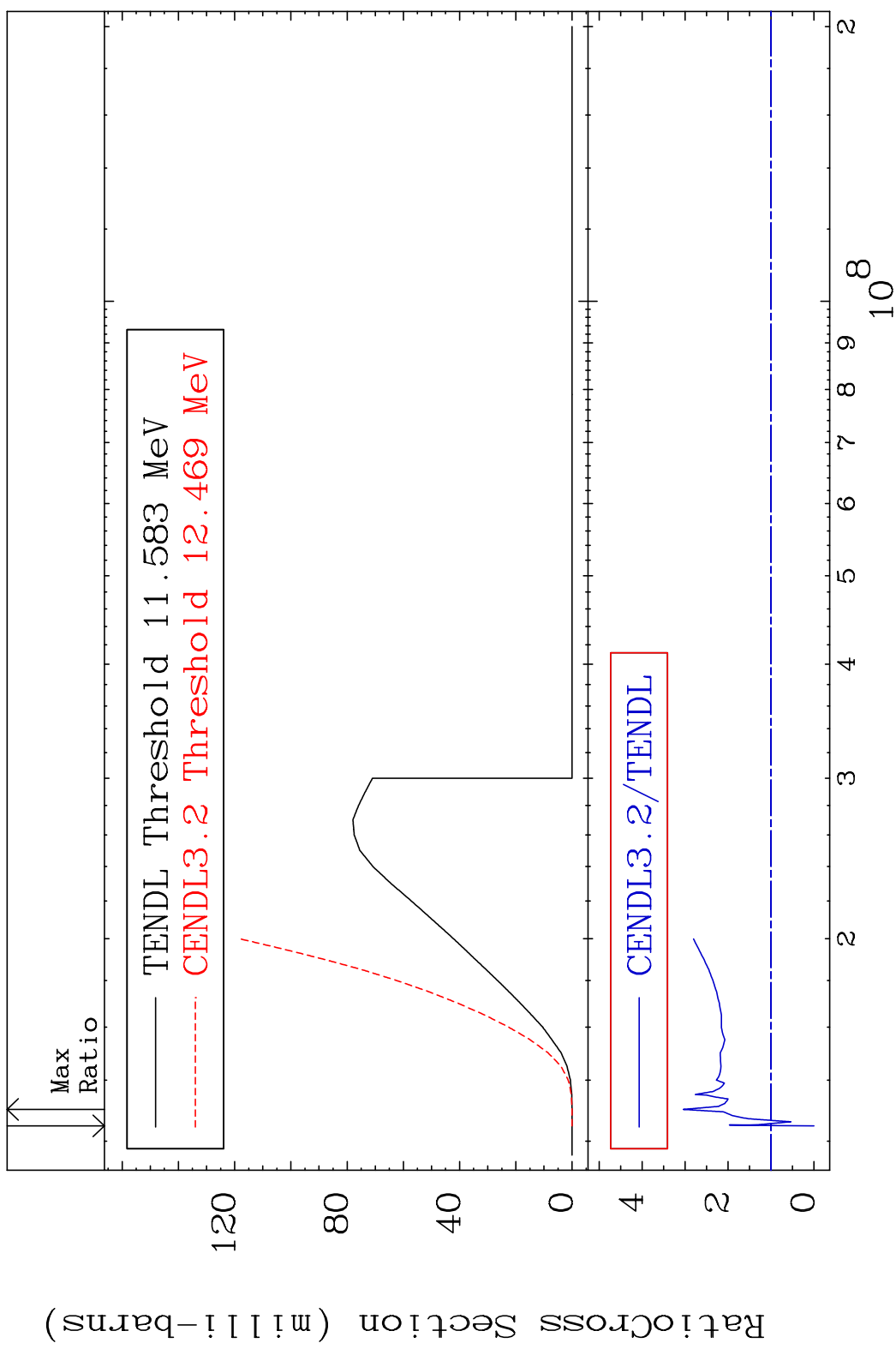


MAT 2234 (n, n') α $^{22}\text{Ti}-49$
 Cross Section -100.0 To 3.213 %

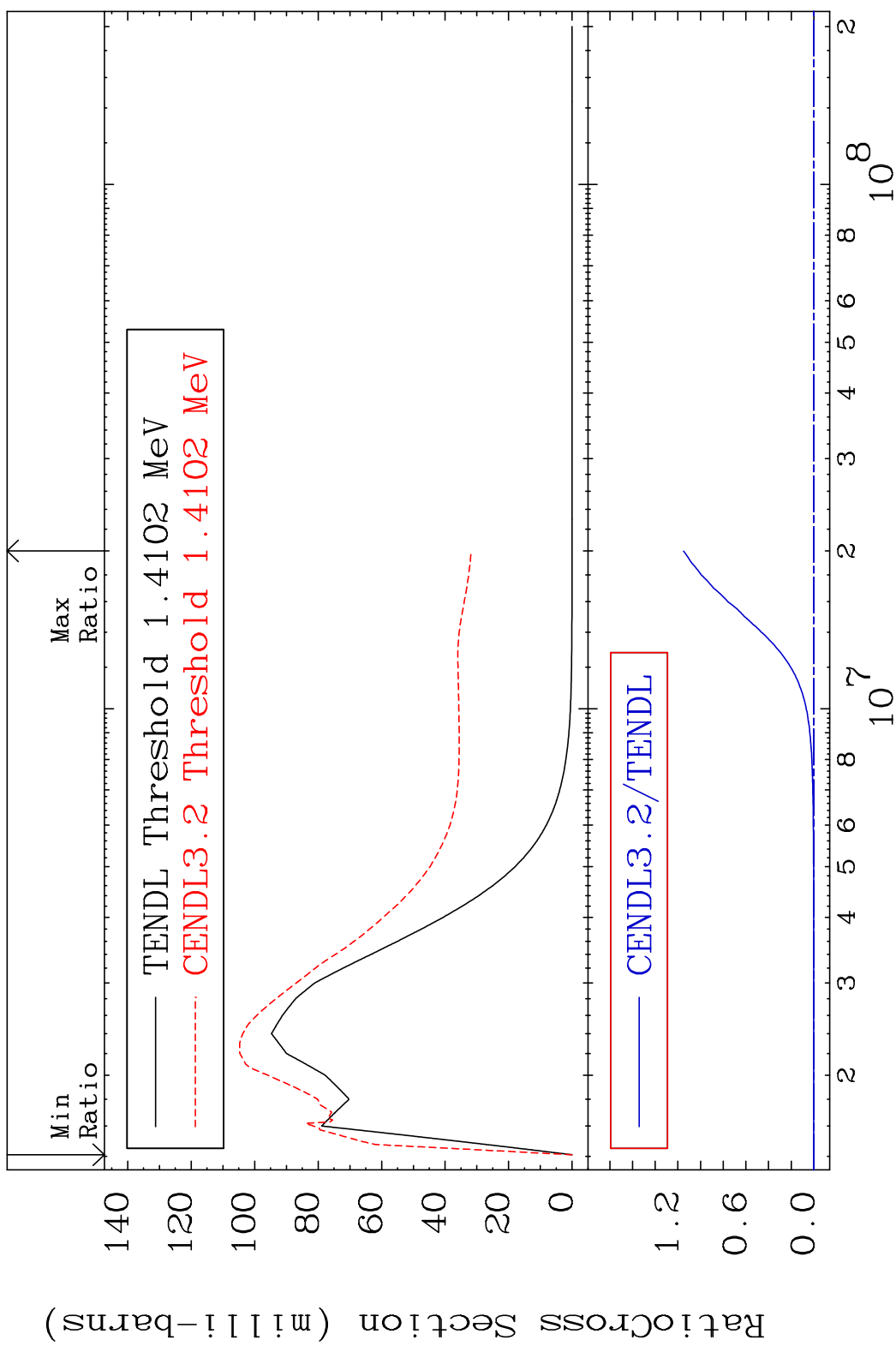


5 $^{22}\text{Ti}-49$

MAT 2234 (n, n') p 22-Ti-49
 Cross Section -100.0 To 203.9 %

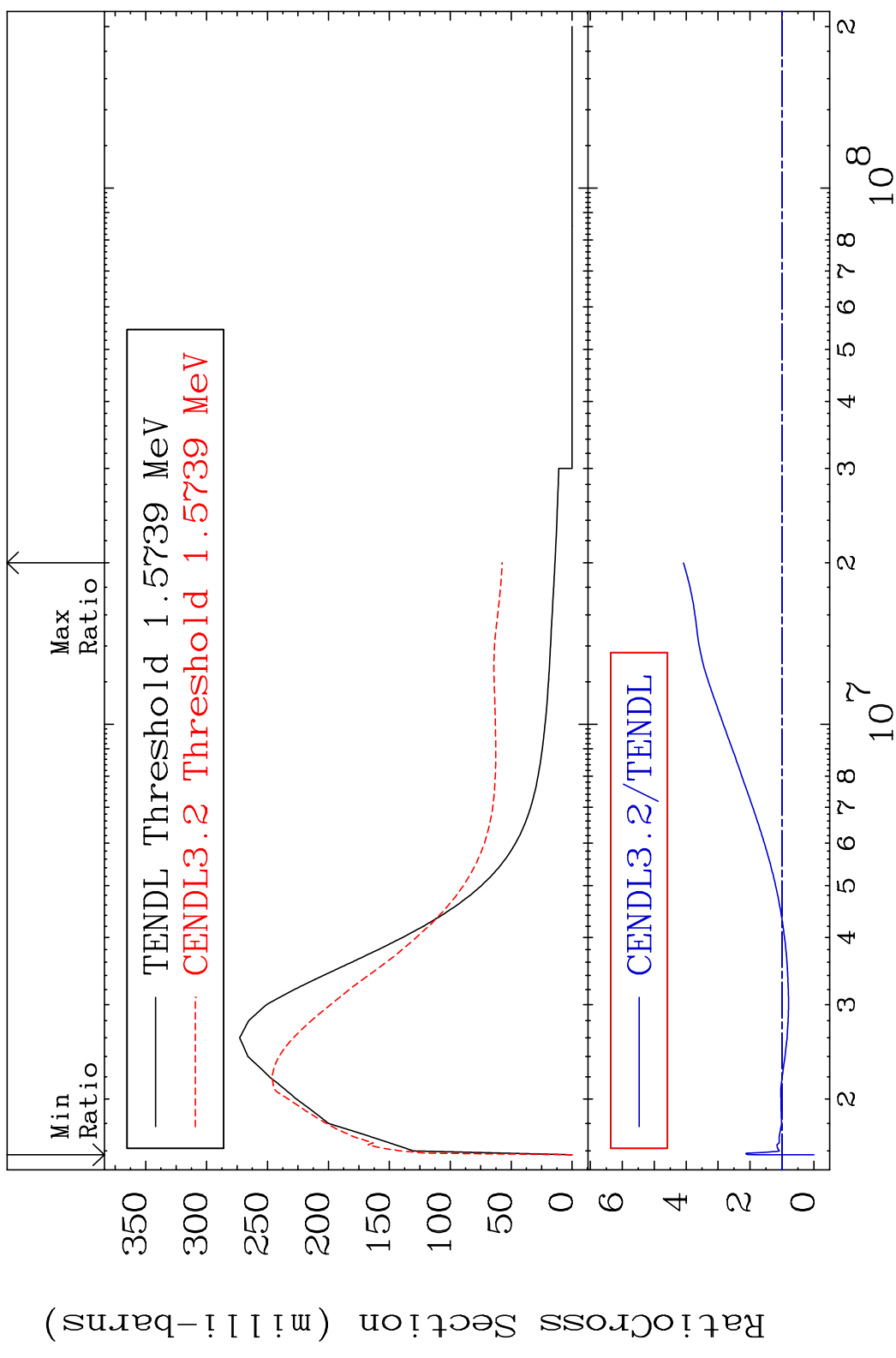


MAT 2234 MT= 51 (n, n') Level 22-Ti-49
 Cross Section -100.0 To 9999. %

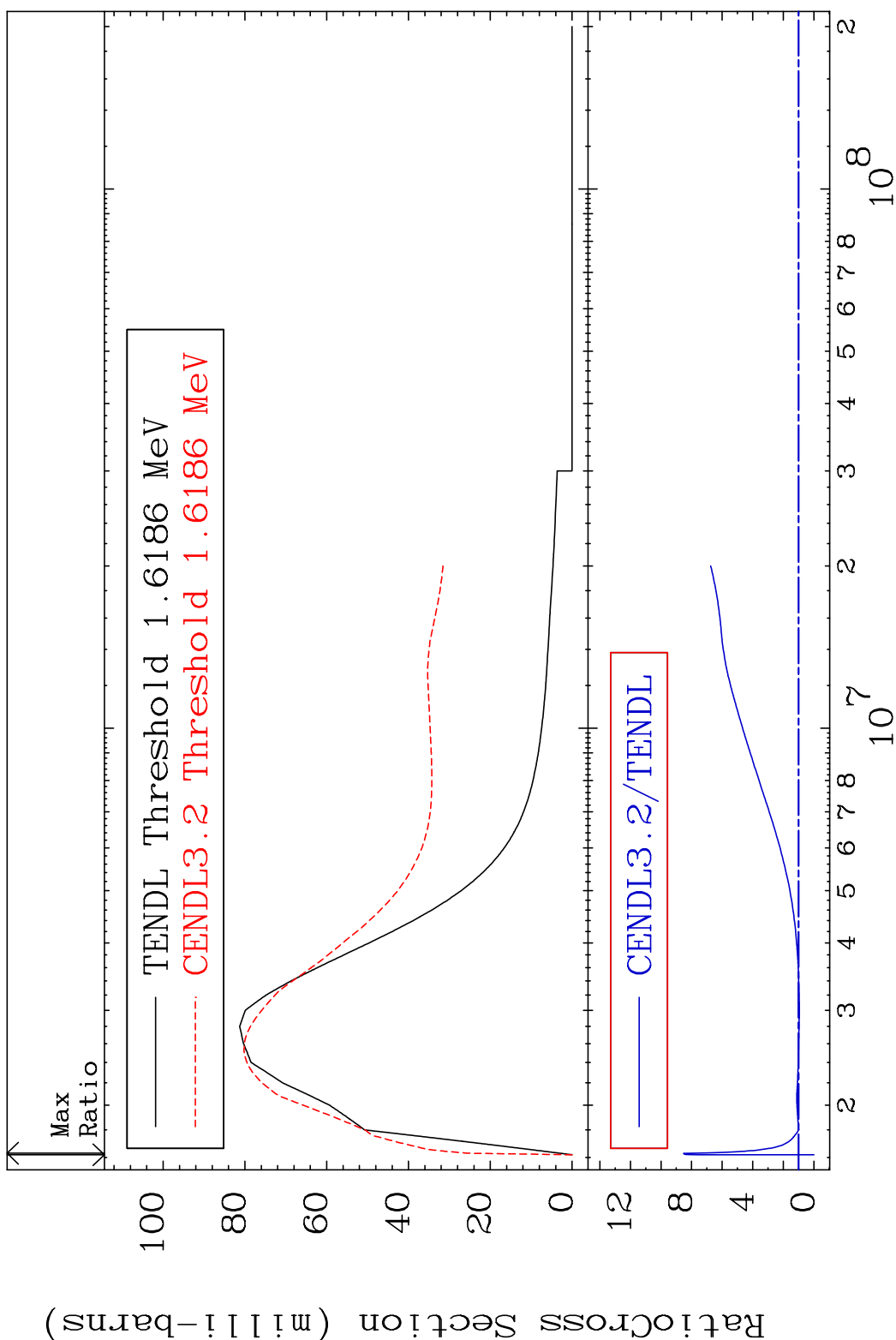


7 Incident Energy (eV) 22-Ti-49

MAT 2234 MT= 52 (n, n') Level 22-Ti-49
 Cross Section -100.0 To 308.4 %

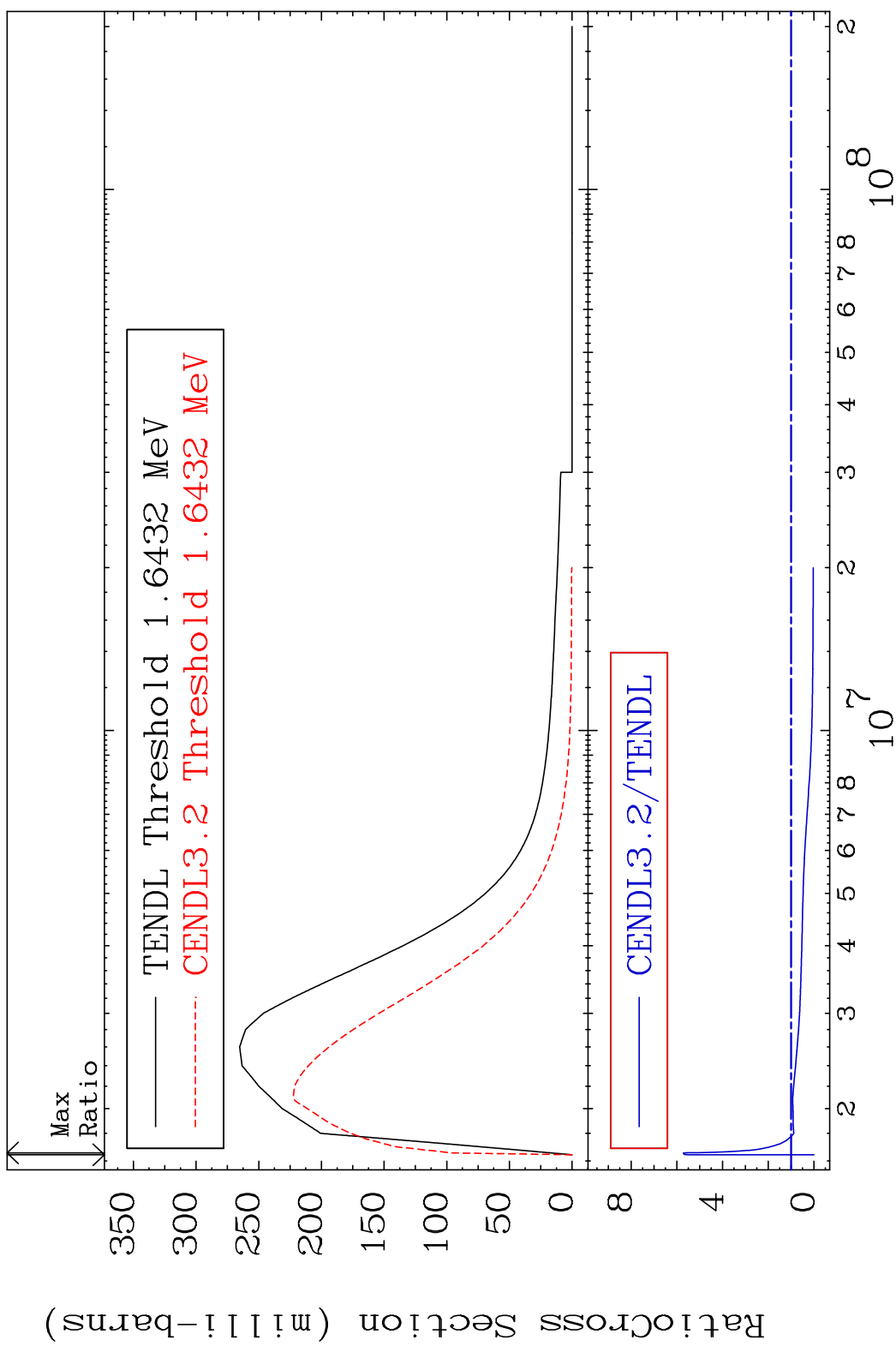


MAT 2234 MT= 53 (n, n') Level 22-Ti-49
 Cross Section -100.0 To 753.2 %



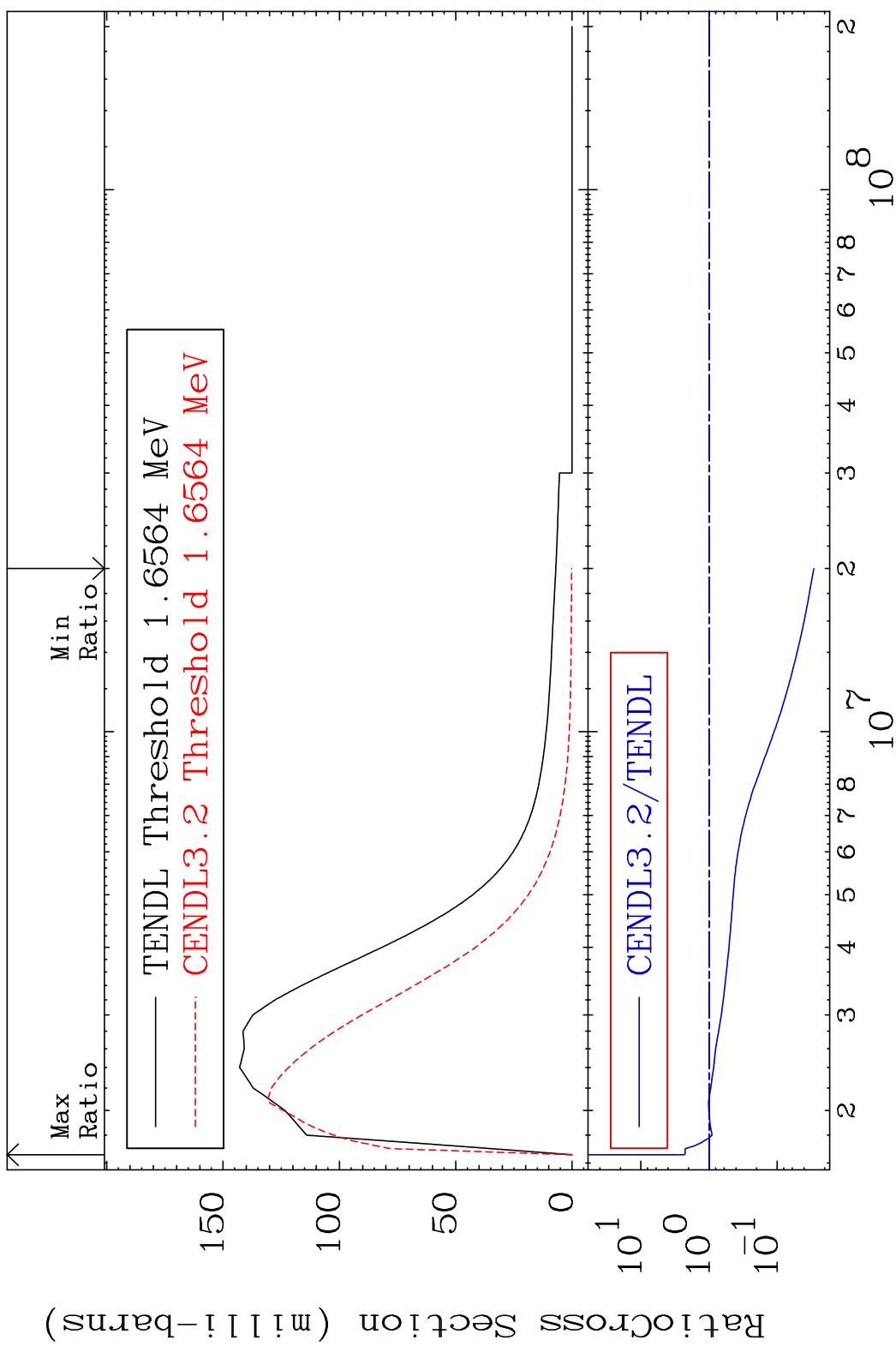
9 Incident Energy (eV) 22-Ti-49

MAT 2234 MT= 54 (n, n') Level 22-Ti-49
 Cross Section -100.0 To 471.0 %



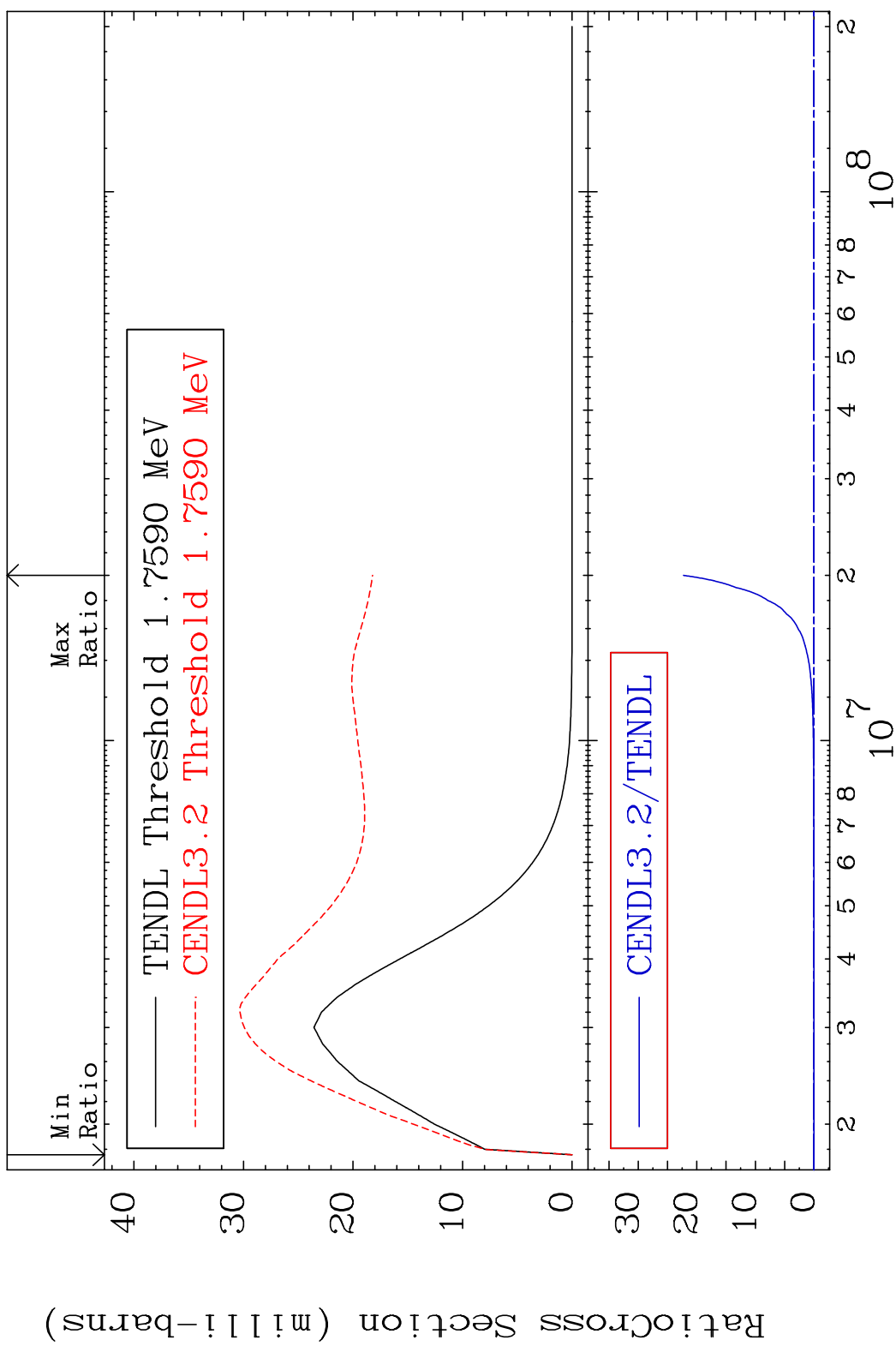
10 Incident Energy (eV) 22-Ti-49

MAT 2234 MT= 55 (n, n') Level 22-Ti-49
 Cross Section -97.11 To 137.0 %



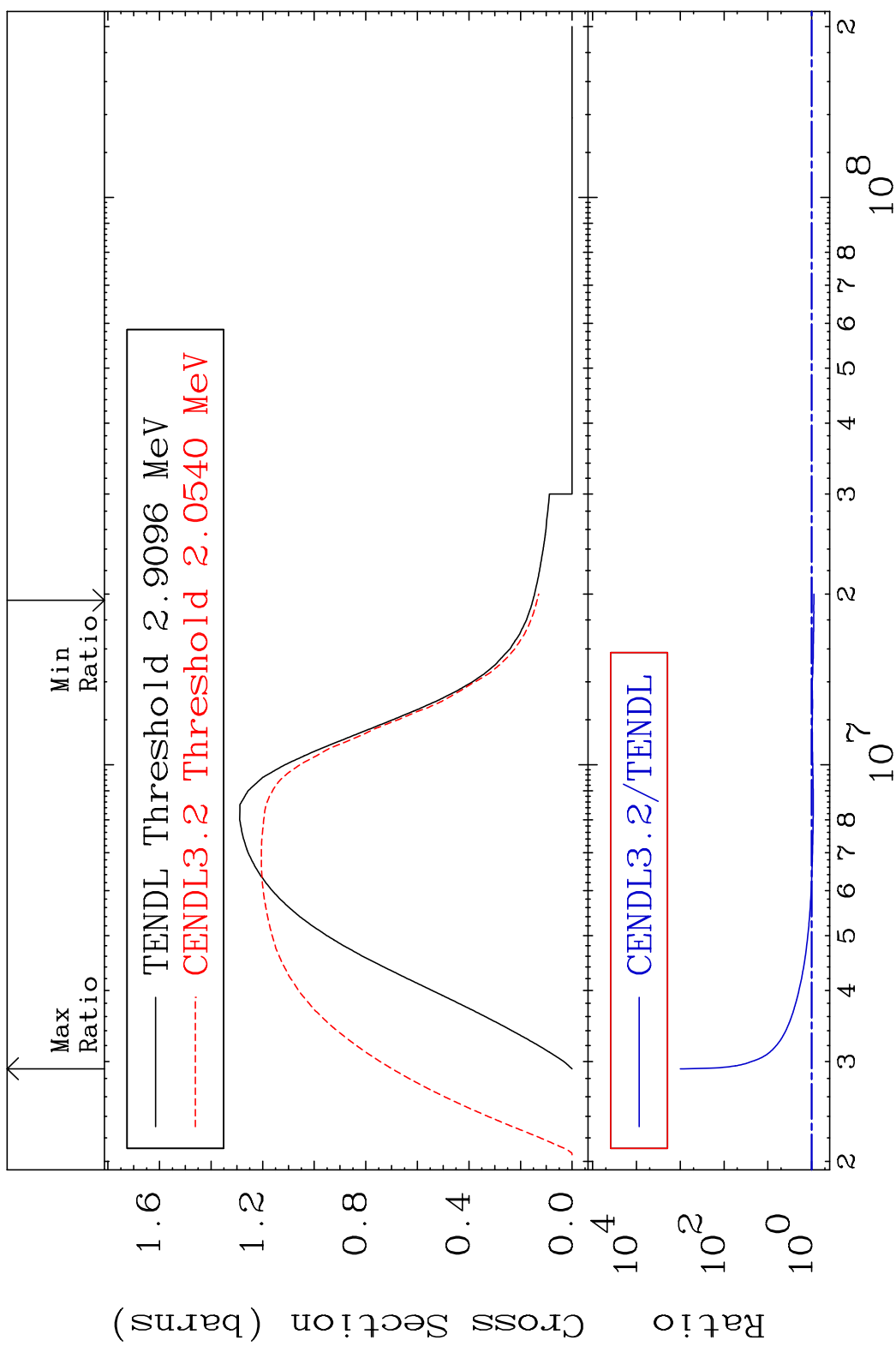
11 Incident Energy (eV) 22-Ti-49

MAT 2234 MT= 56 (n, n') Level 22-Ti-49
 Cross Section -100.0 To 9999. %

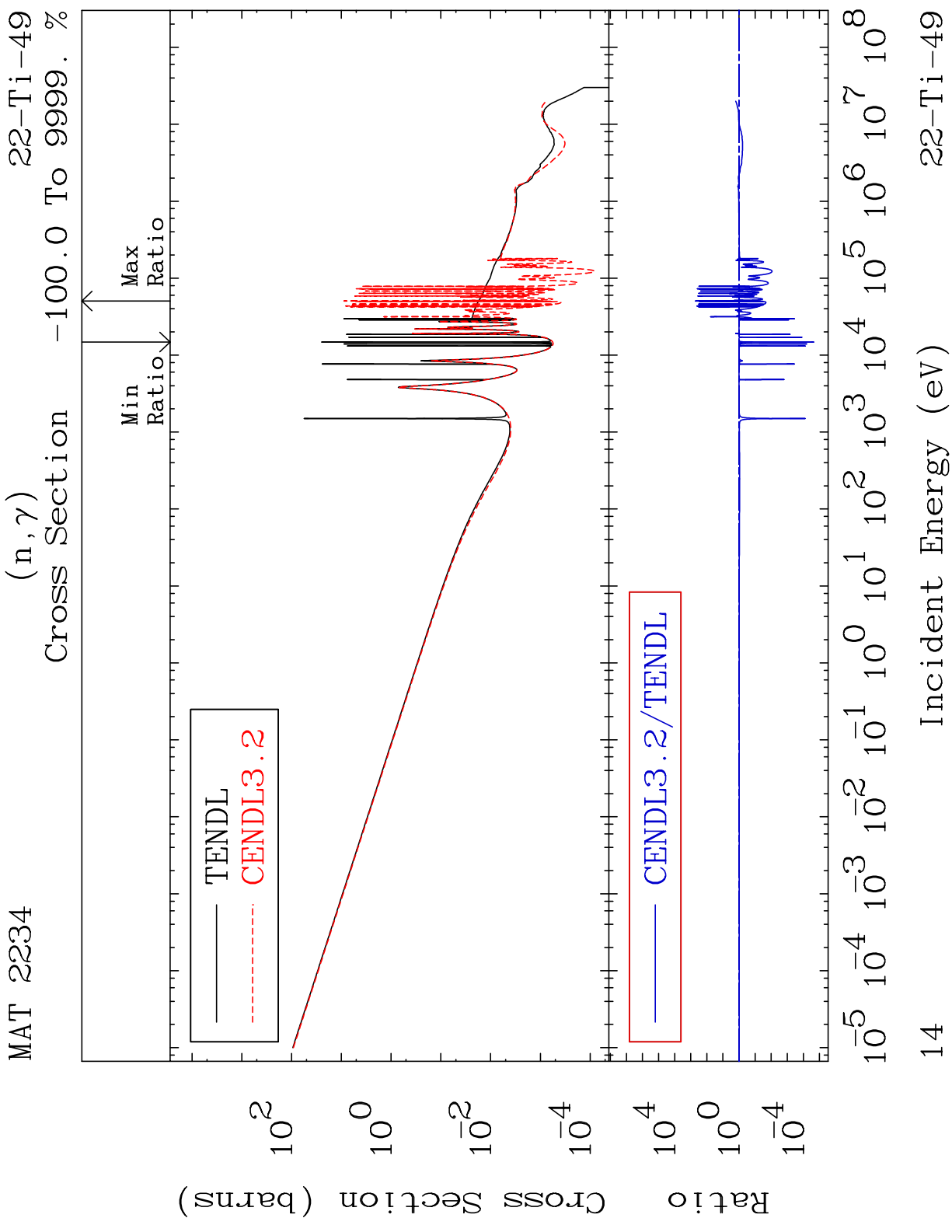


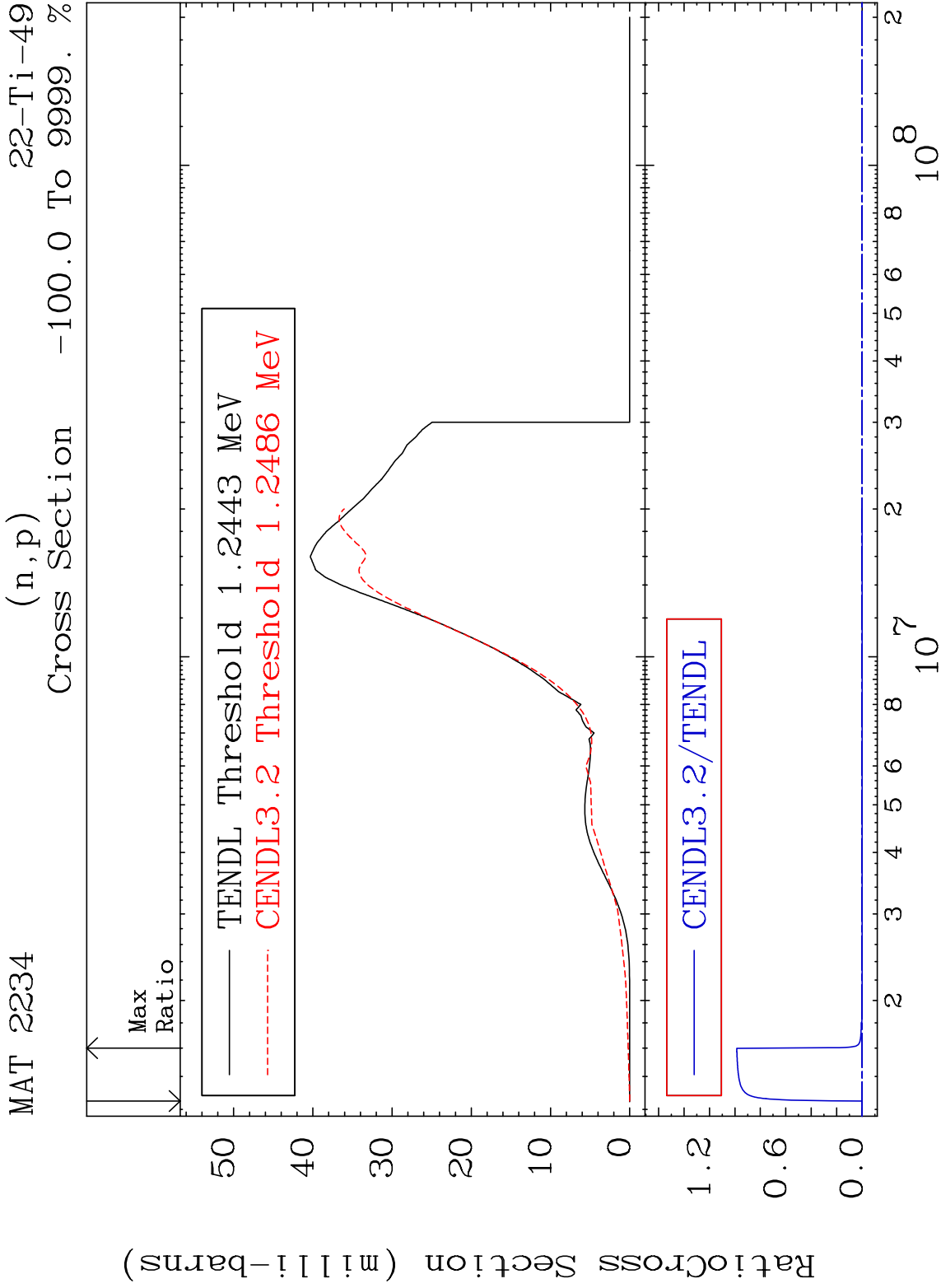
12 Incident Energy (eV) 22-Ti-49

MAT 2234 (n, n') Continuum 22-Ti-49
 Cross Section -10.85 To 9999. %

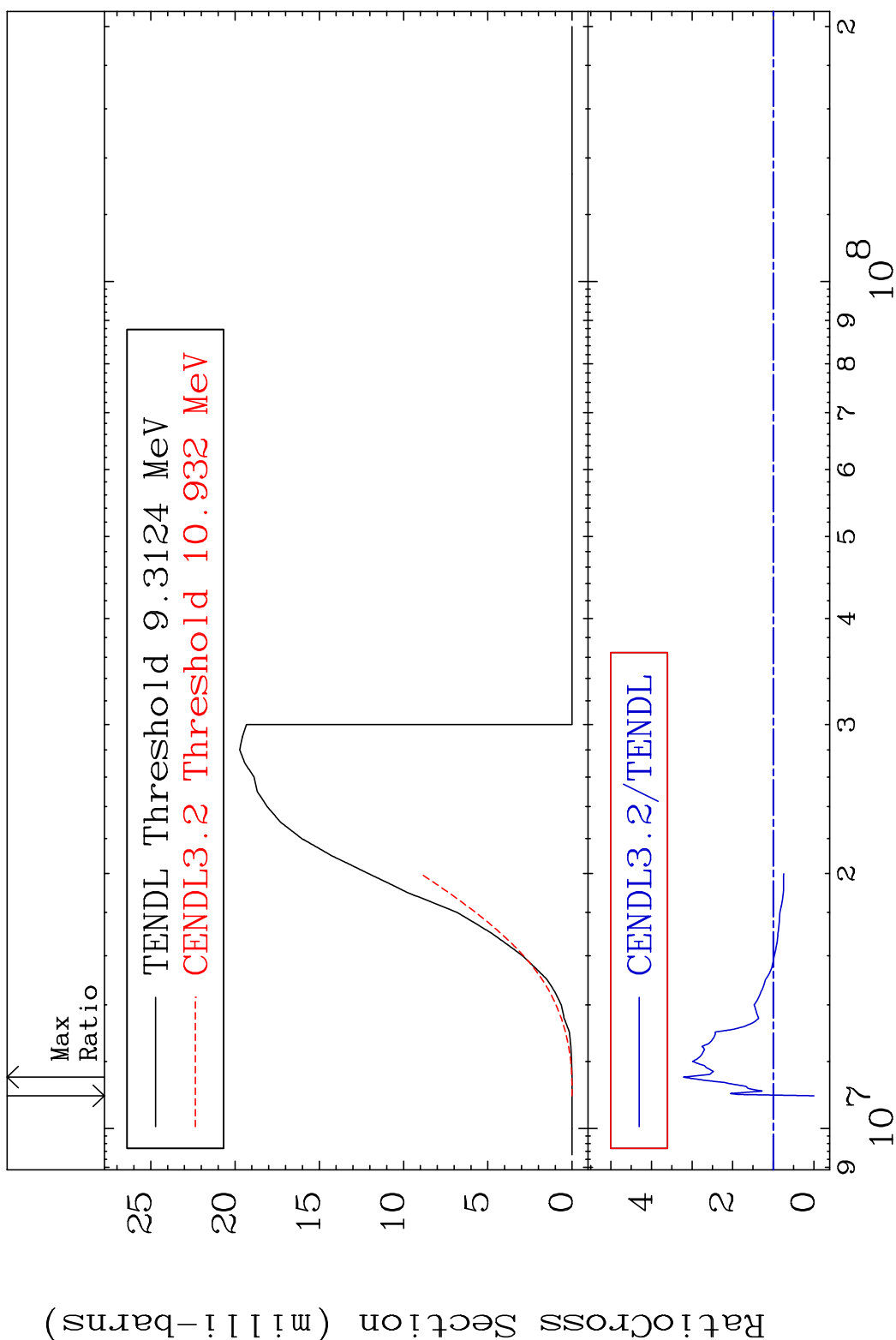


13 Incident Energy (eV) 22-Ti-49

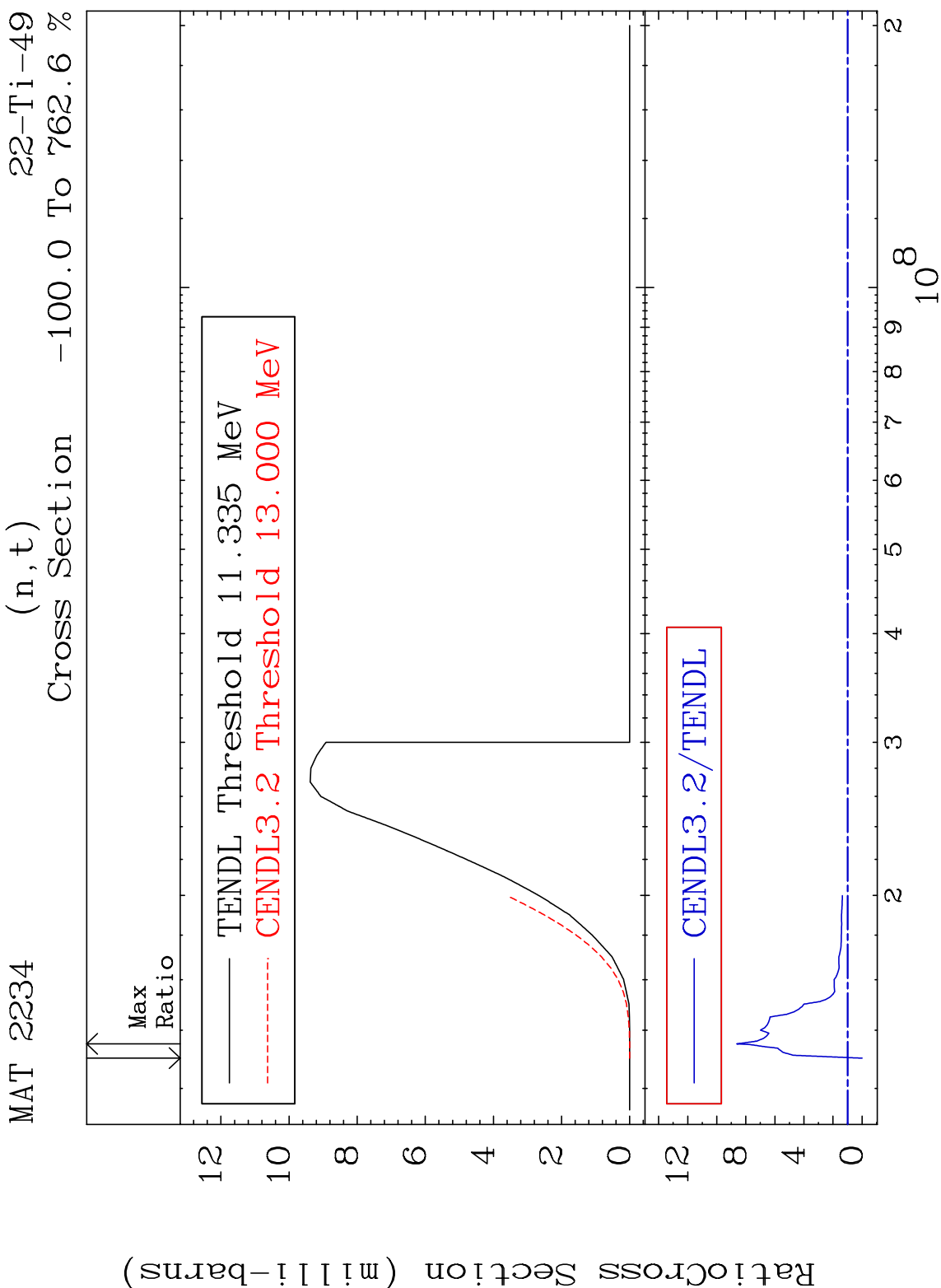




MAT 2234 (n, d) 22-Ti-49
Cross Section -100.0 To 221.4 %



16 22-Ti-49

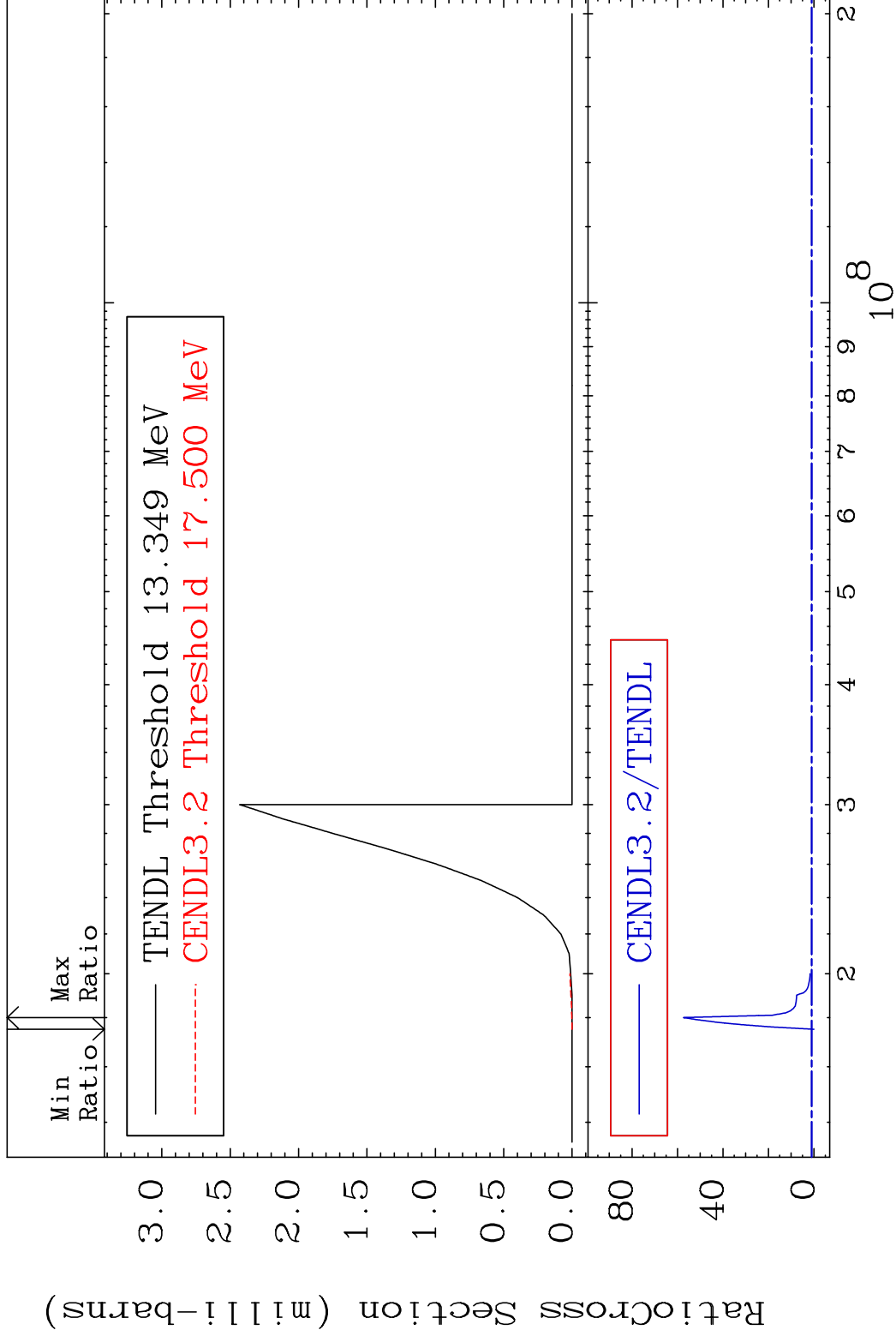


MAT 2234

(n, He-3)

22-Ti-49

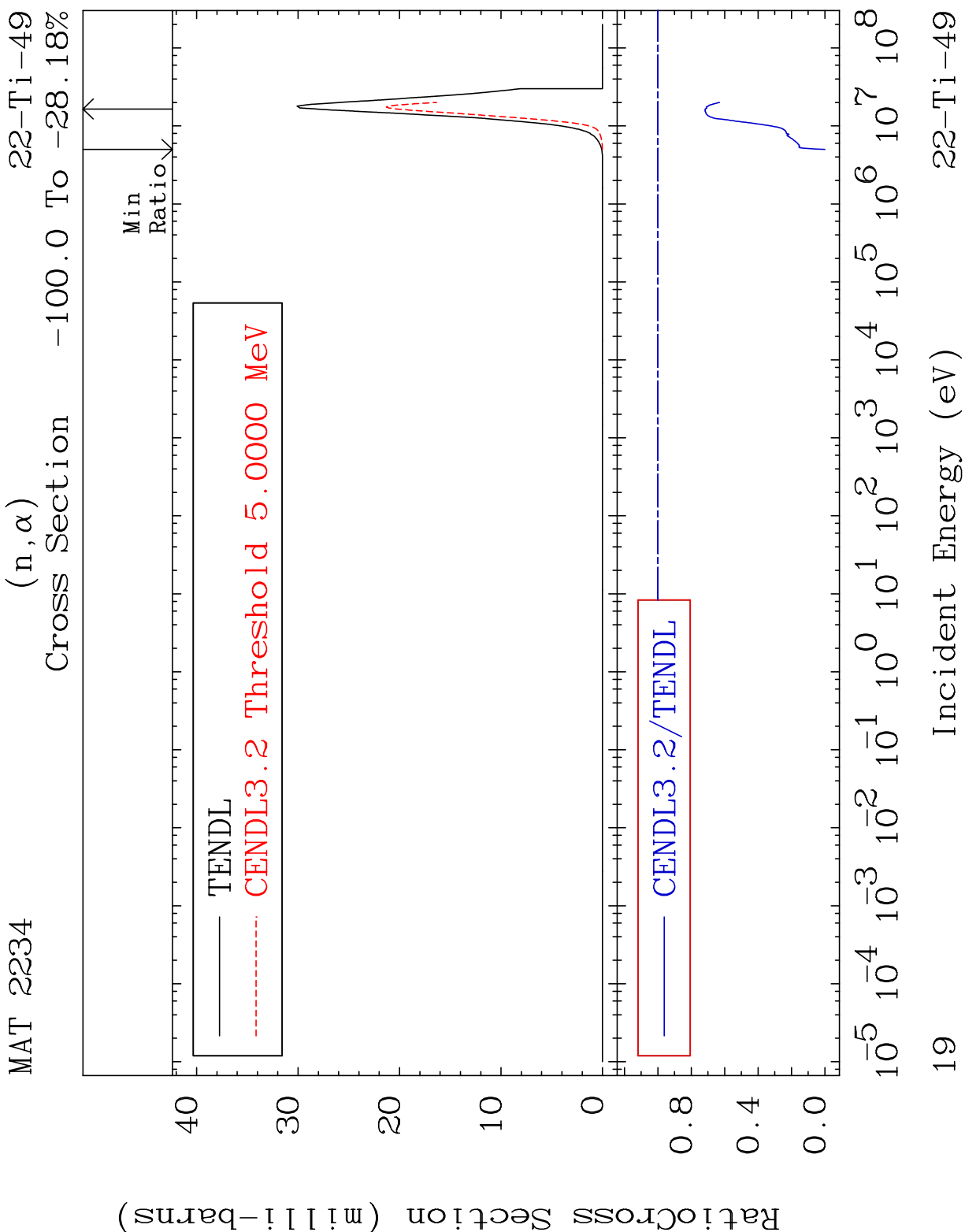
Cross Section -100.0 To 5636. %

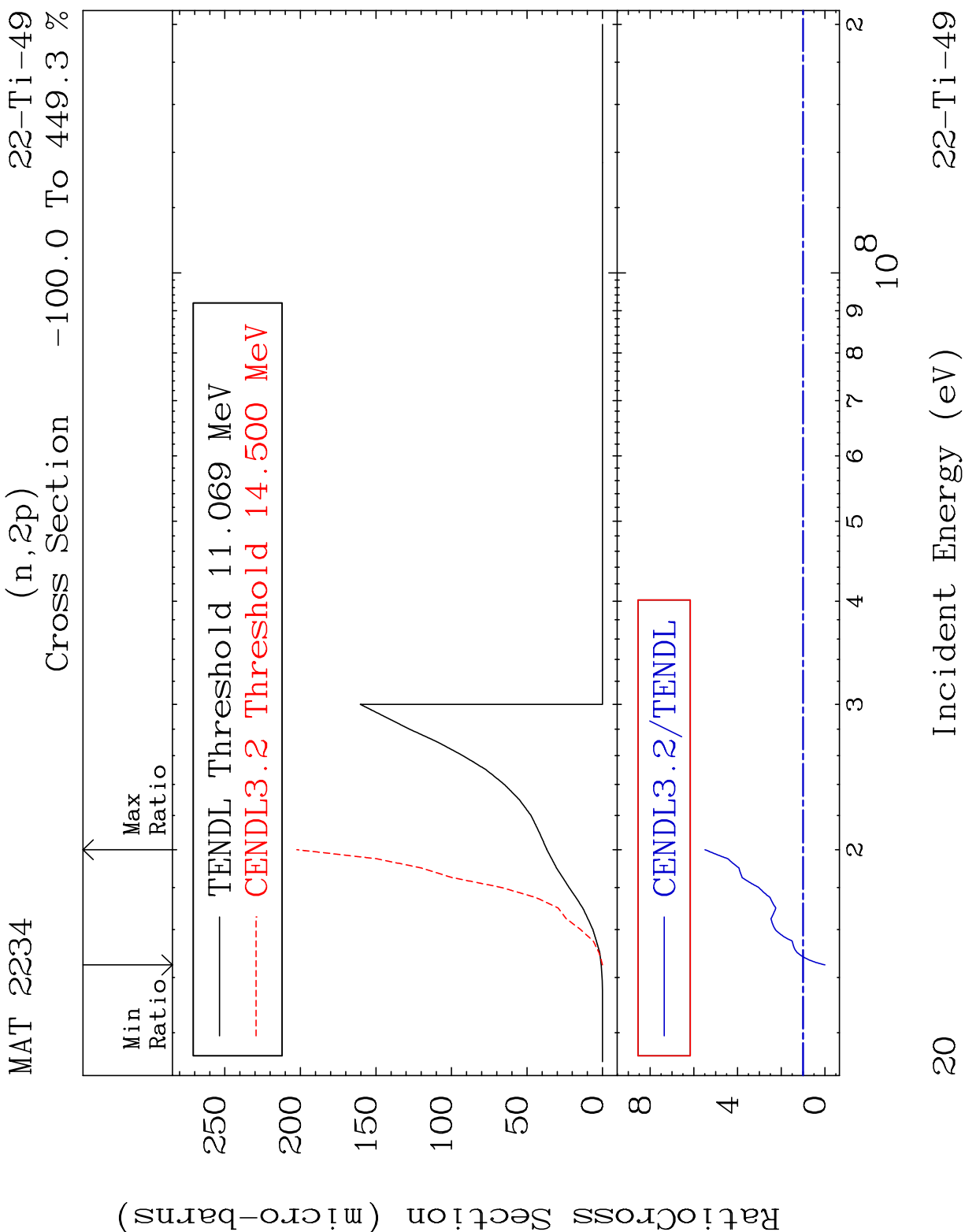


18

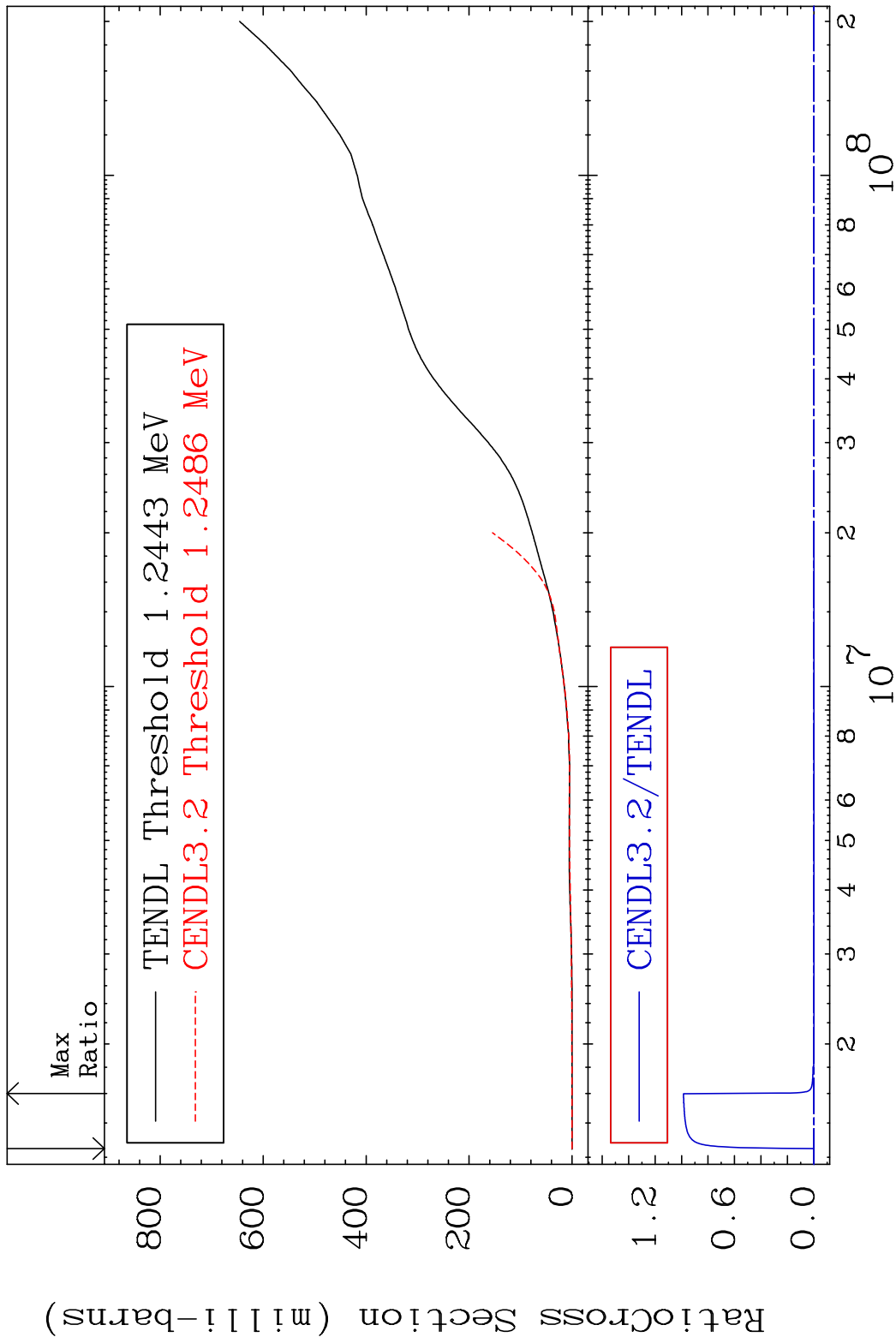
Incident Energy (eV)

22-Ti-49



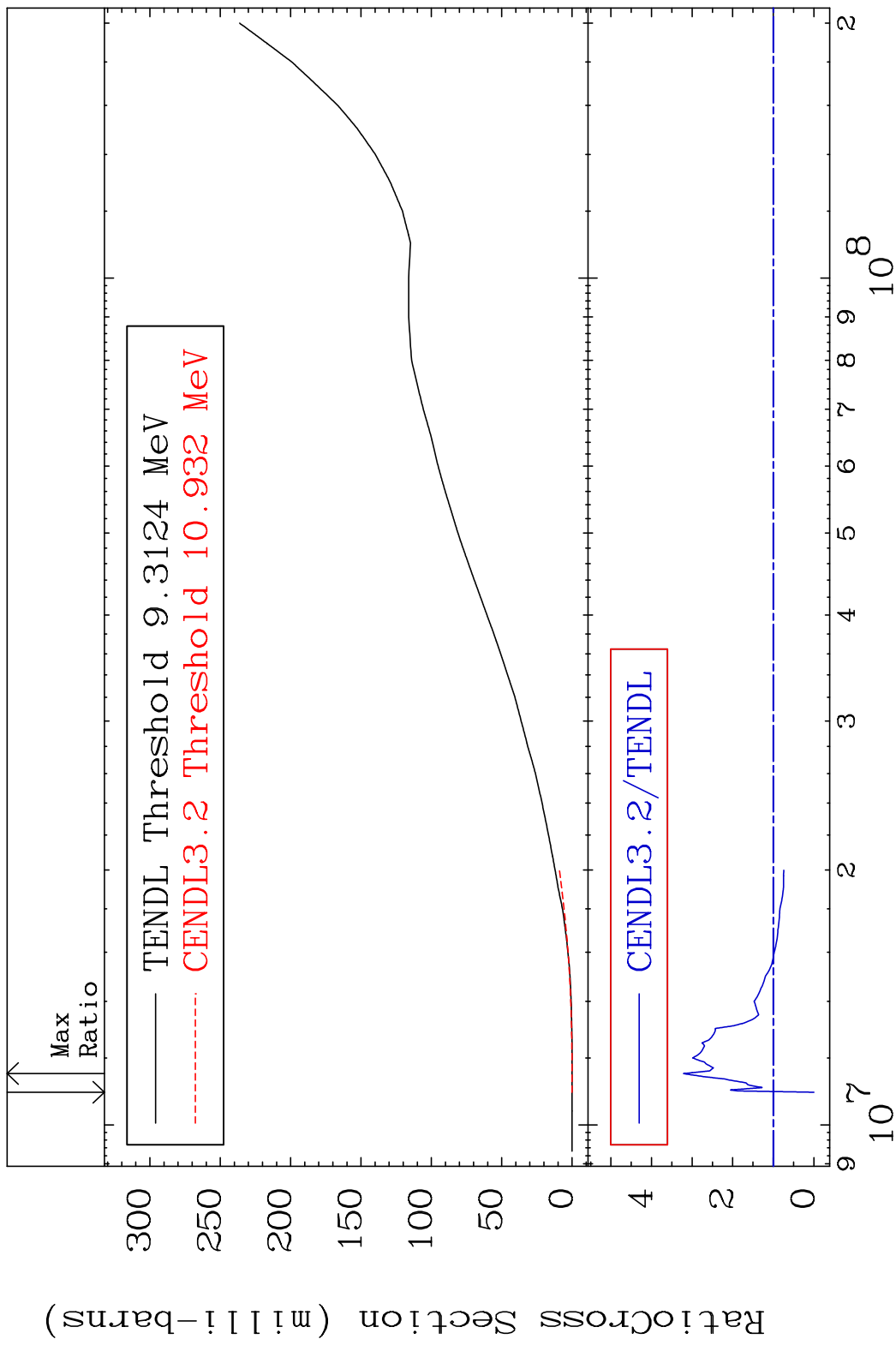


MAT 2234 Hydrogen Production 22-Ti-49
Cross Section -100.0 To 9999. %



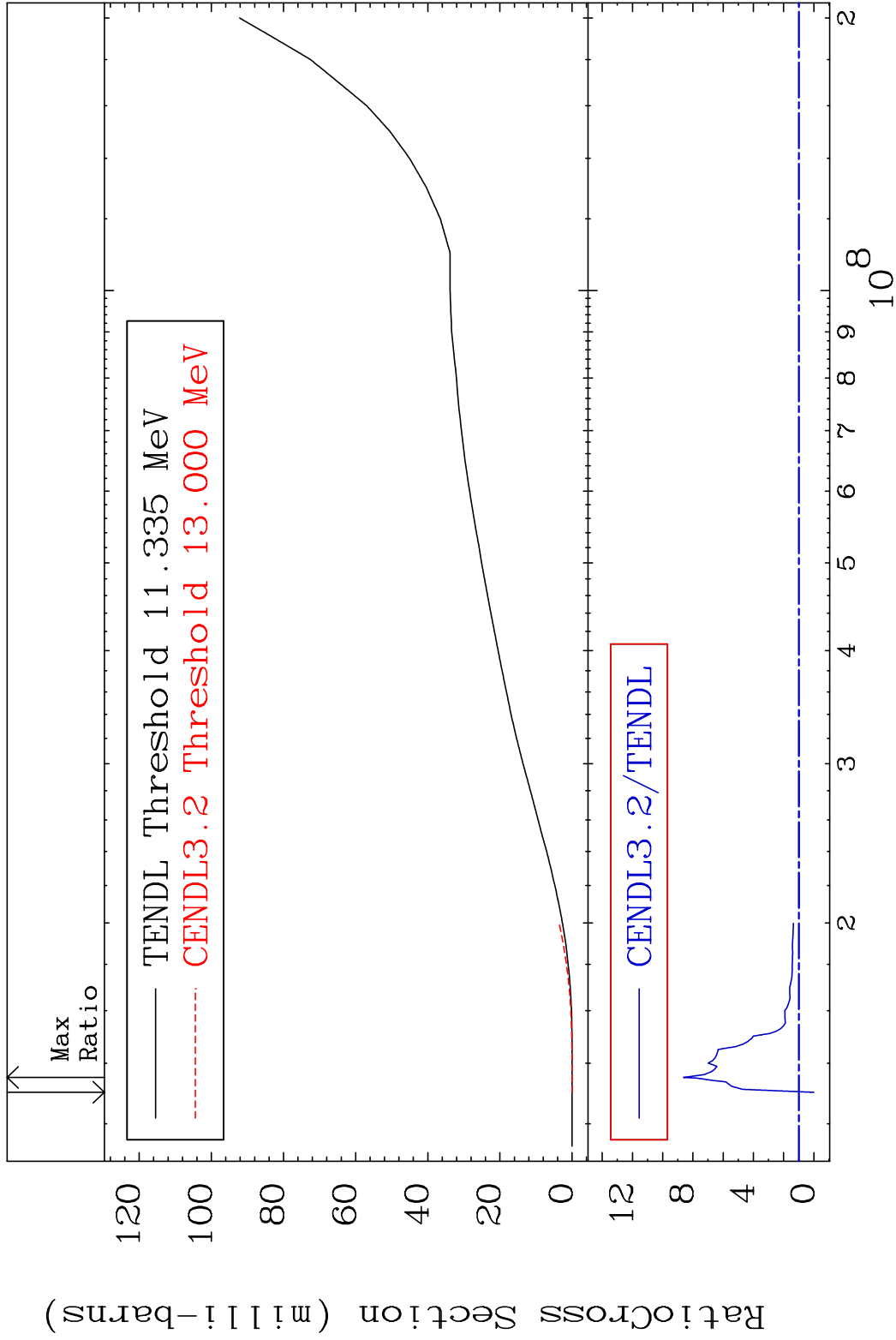
21 Incident Energy (eV) 22-Ti-49

MAT 2234 Deuterium Production ²²Ti-49
 Cross Section -100.0 To 221.4 %



22 Incident Energy (eV) ²²Ti-49

MAT 2234 Tritium Production ²²Ti-49
 Cross Section -100.0 To 762.6 %



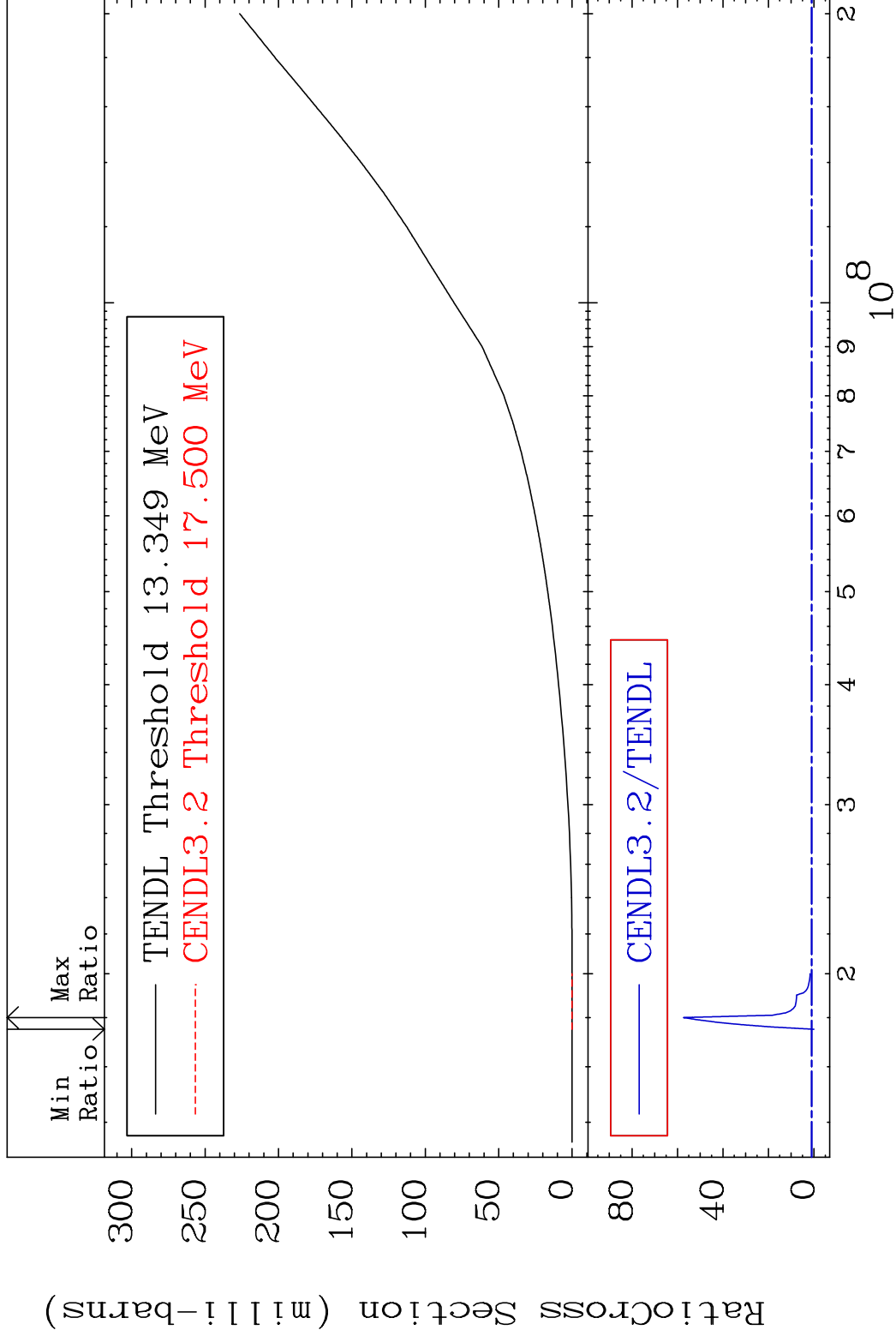
23 Incident Energy (eV) ²²Ti-49

MAT 2234

He-3 Production

22-Ti-49

Cross Section -100.0 To 5636. %



24

Incident Energy (eV)

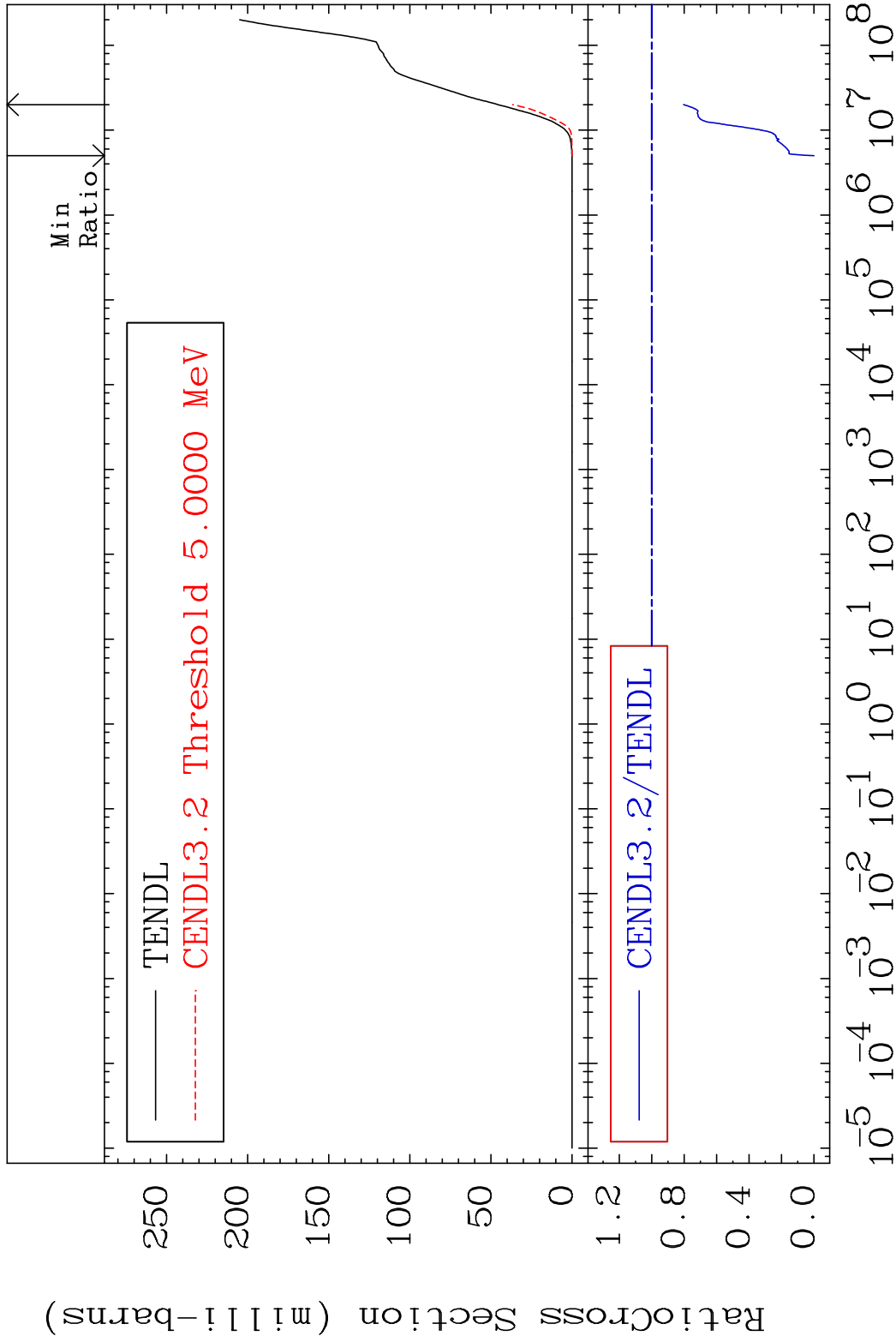
22-Ti-49

MAT 2234

He-4 Production

22-Ti-49

Cross Section -100.0 To -19.61%

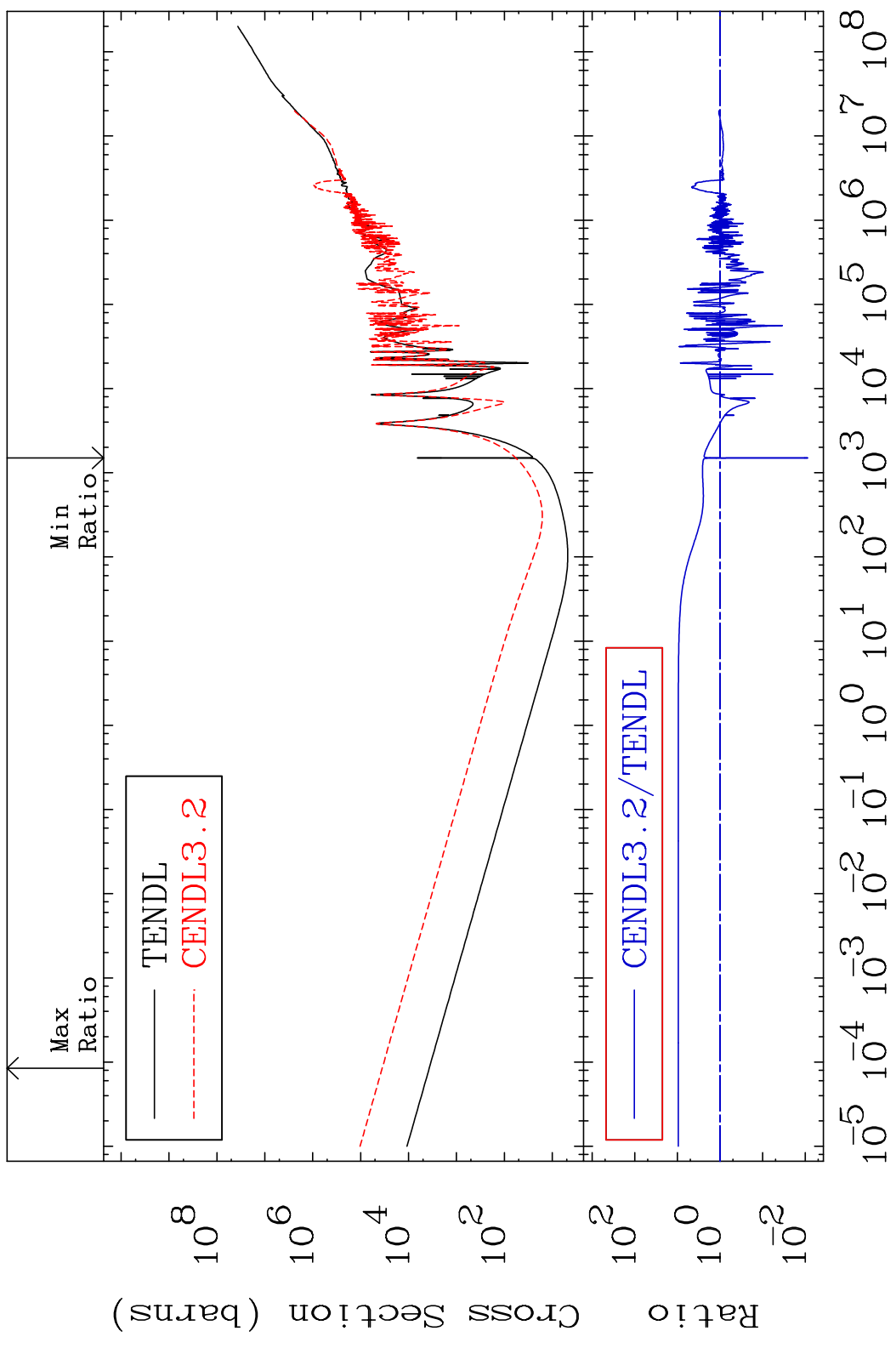


25

Incident Energy (eV)

22-Ti-49

MAT 2234 Kerma total (eV-barns) 22-Ti-49
 Cross Section -99.12 To 858.6 %

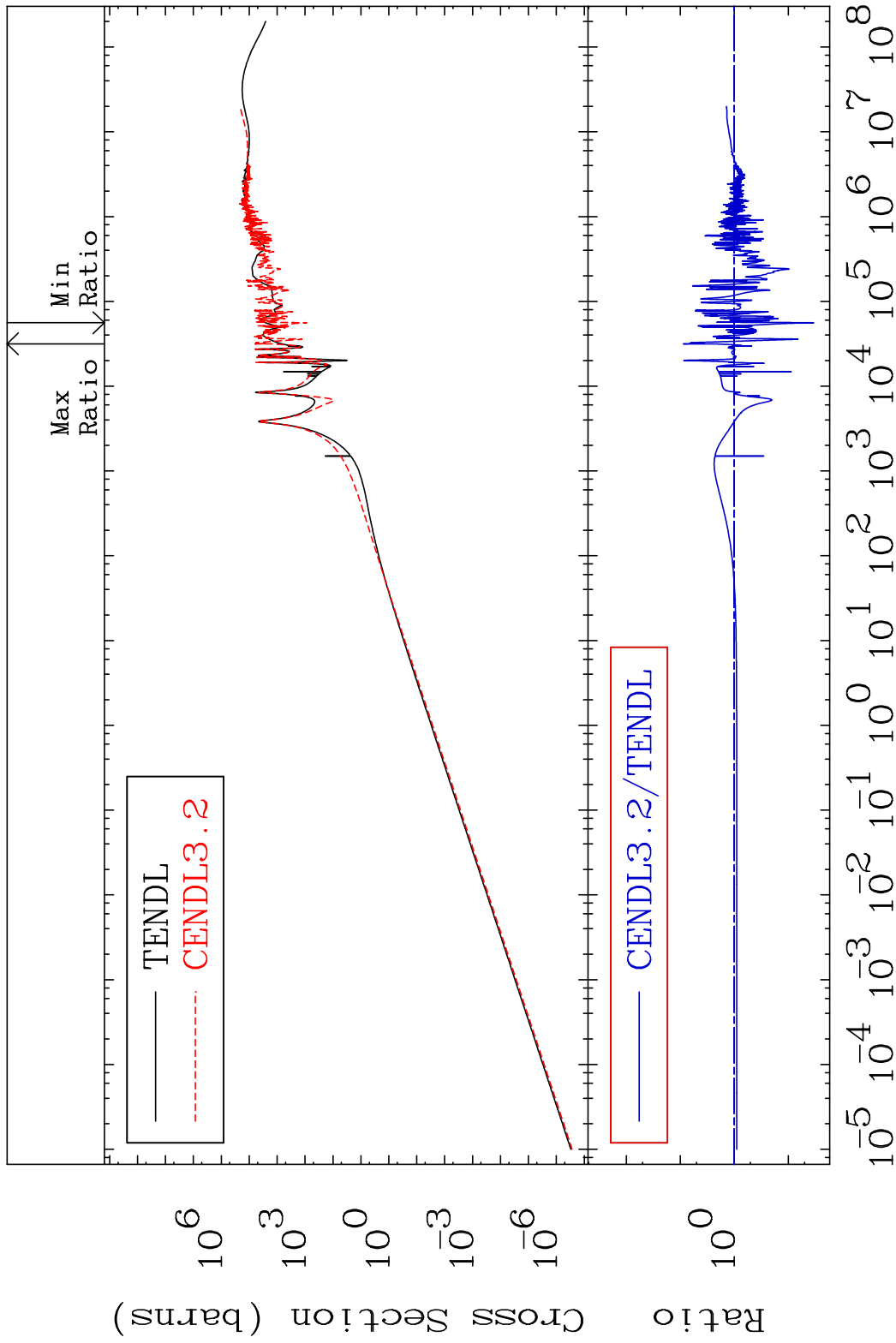


26 Incident Energy (eV) 22-Ti-49

MAT 2234

Kerma elastic
Cross Section

22-Ti-49
-96.65 To 774.1 %

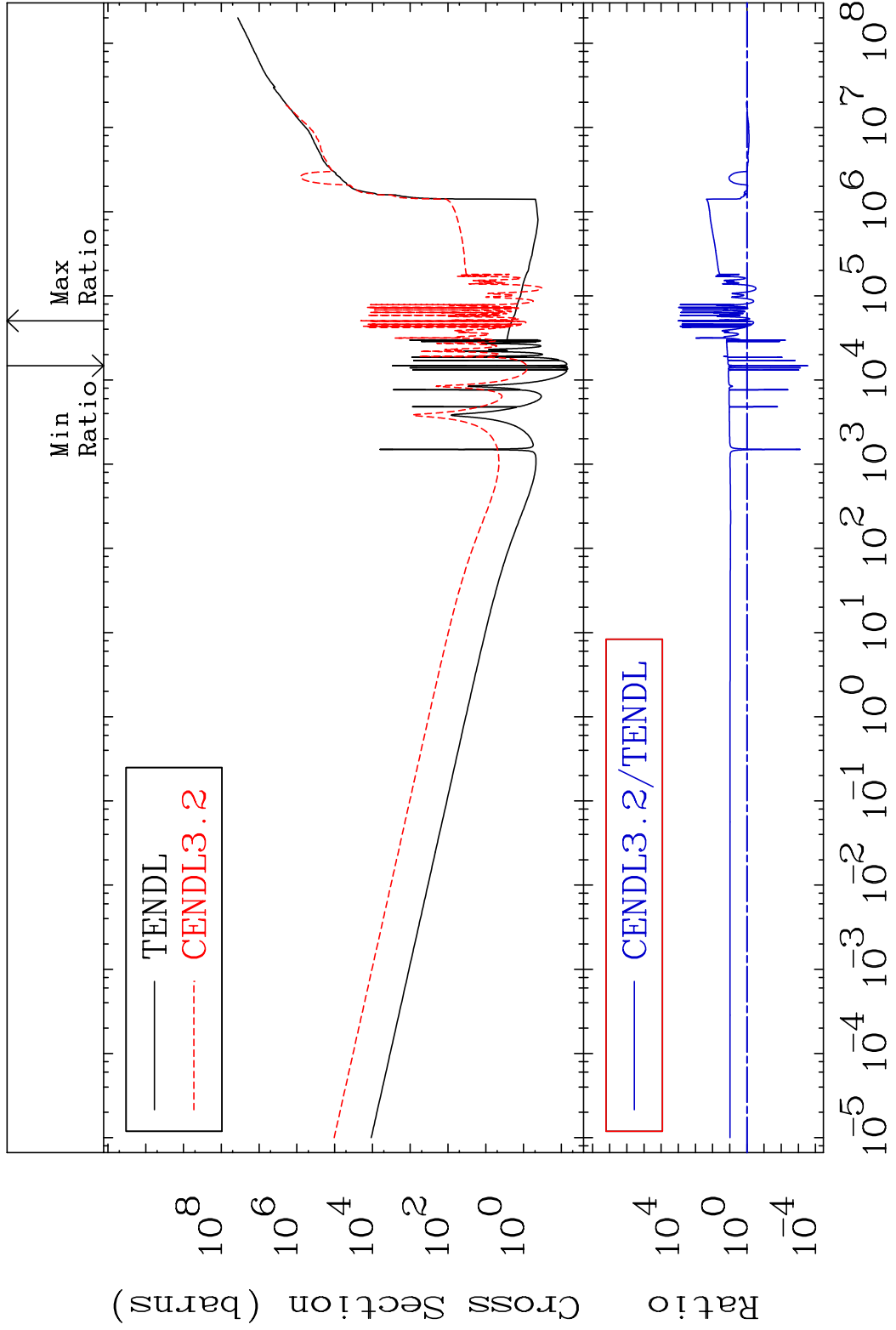


27

Incident Energy (eV)

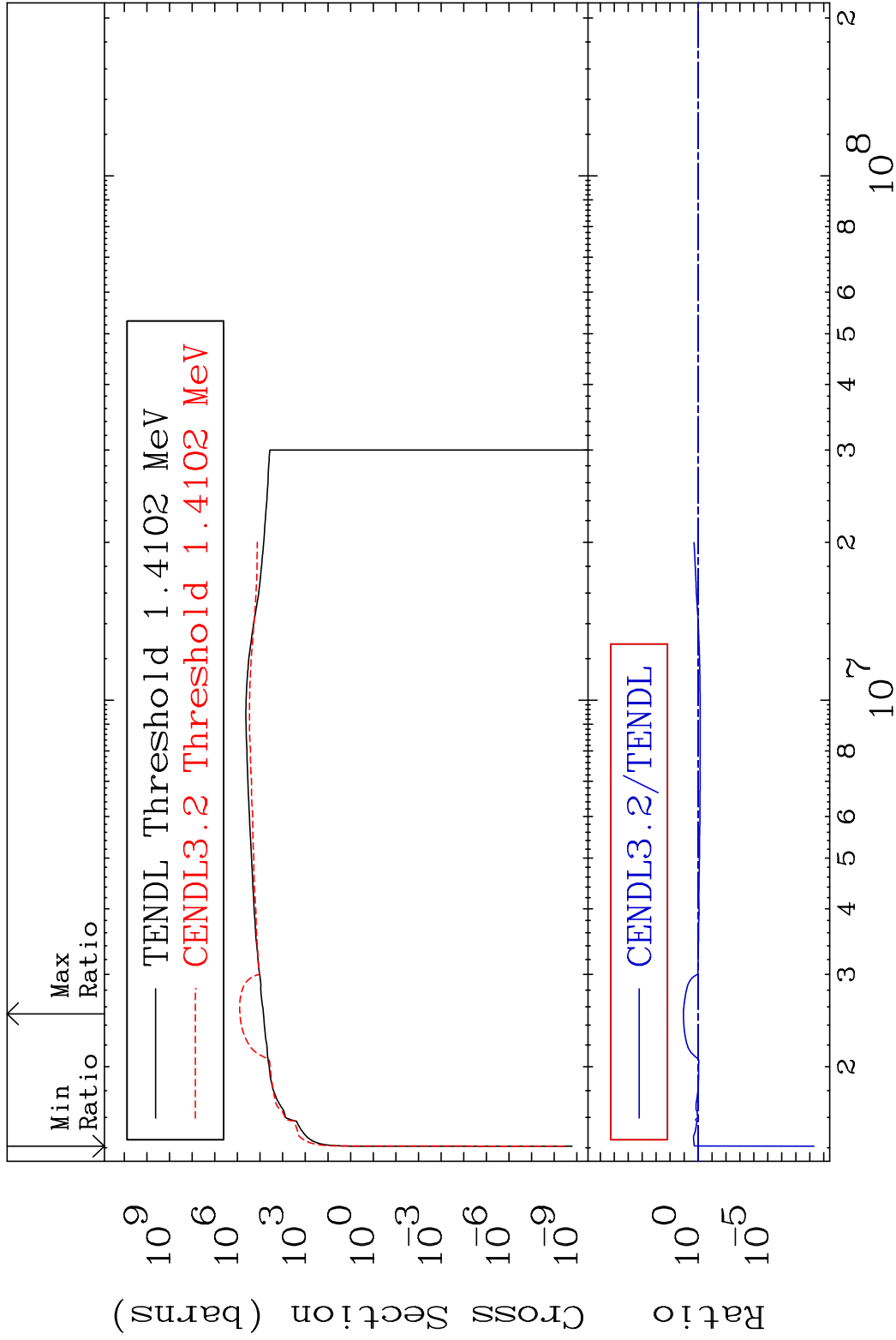
22-Ti-49

MAT 2234 Kerma non-elastic (all but mt2) 22-Ti-49
 Cross Section -99.97 To 9999. %

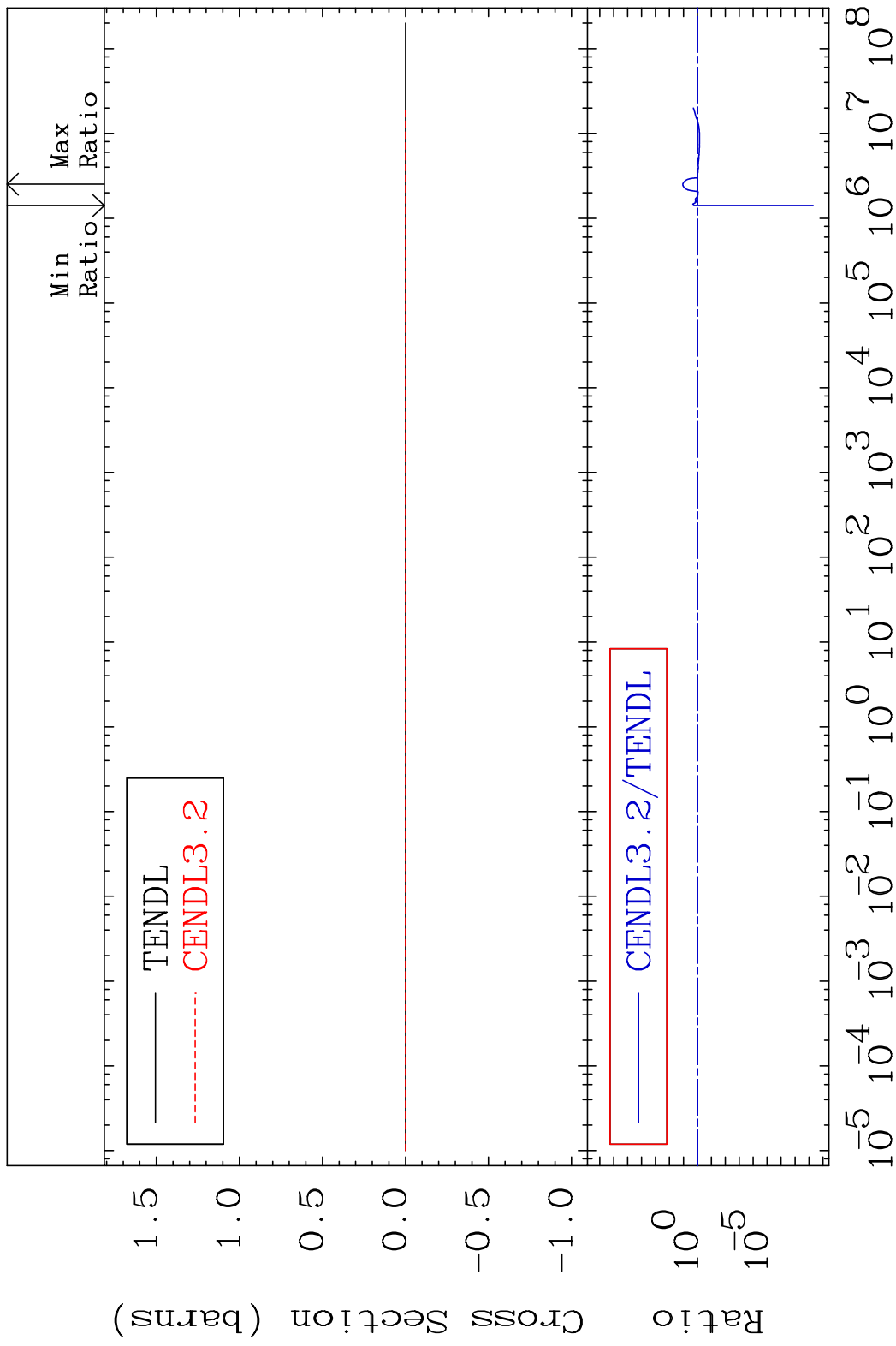


28 Incident Energy (eV) 22-Ti-49

MAT 2234 Kerma inelastic (mt51-91) 22-Ti-49
 Cross Section -100.0 To 1007. %

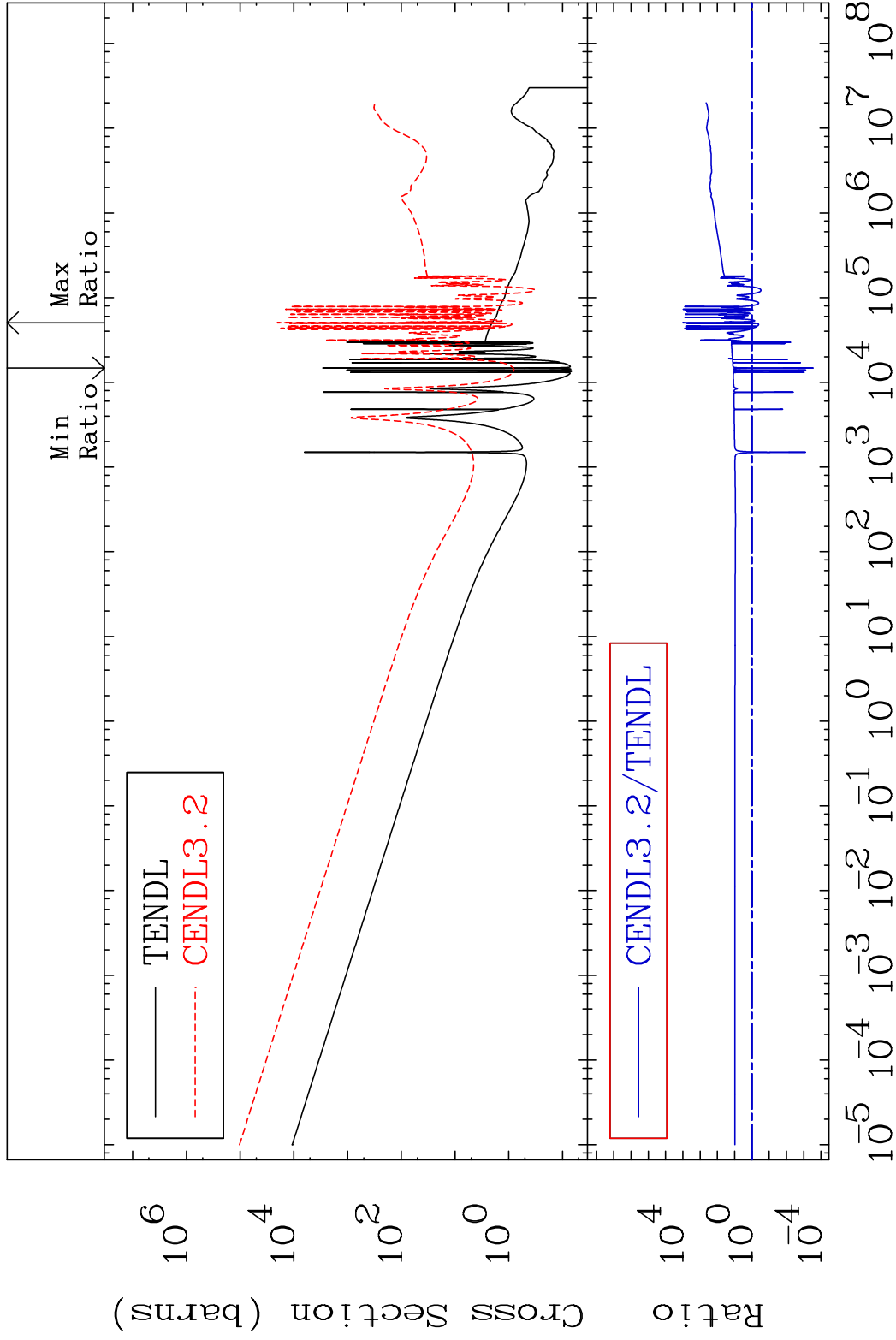


MAT 2234 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-49
 Cross Section -100.0 To 1007. %



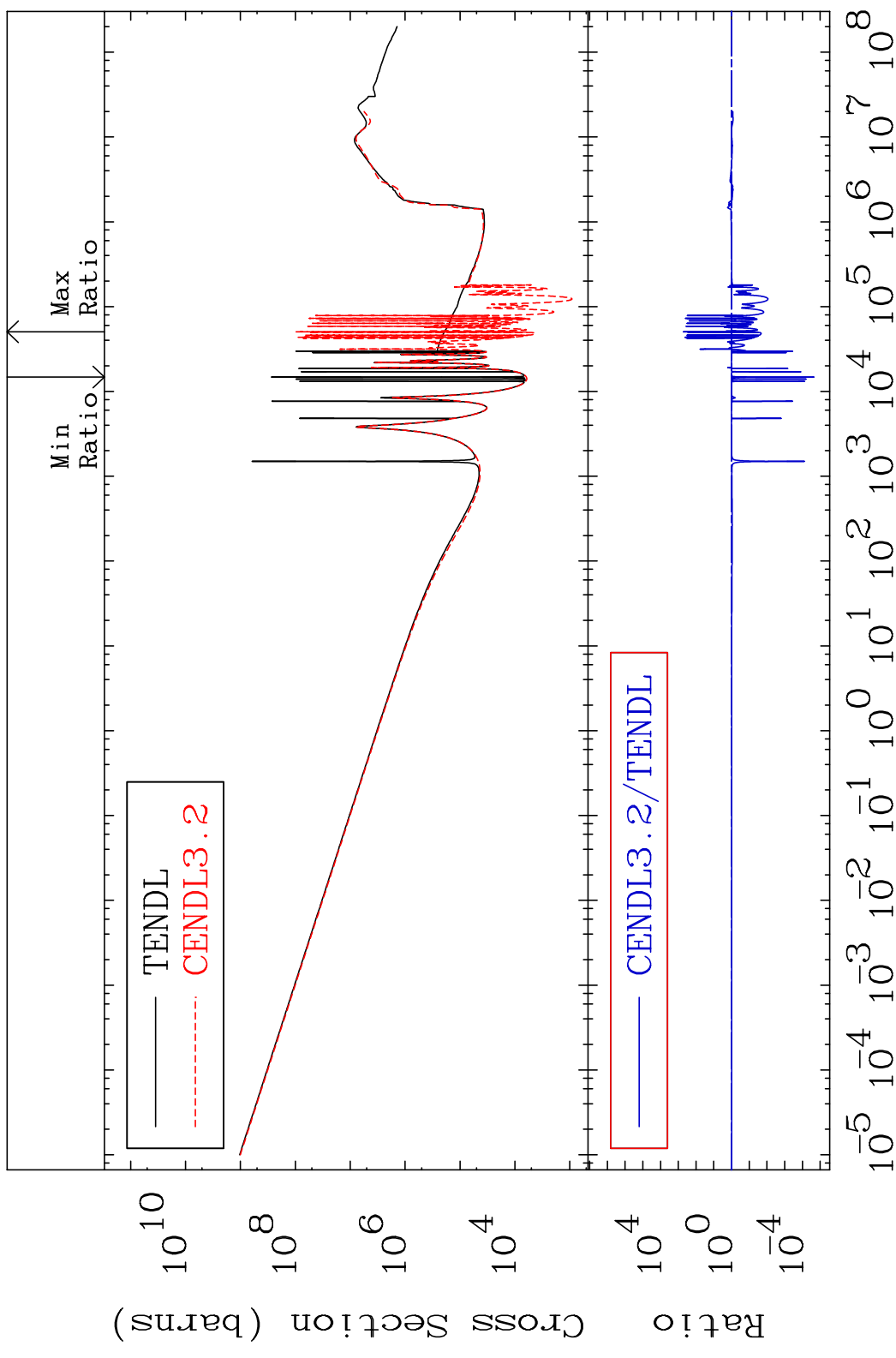
30 Incident Energy (eV) 22-Ti-49

MAT 2234 Kerma capture (mt102) 22-Ti-49
 Cross Section -99.97 To 9999. %



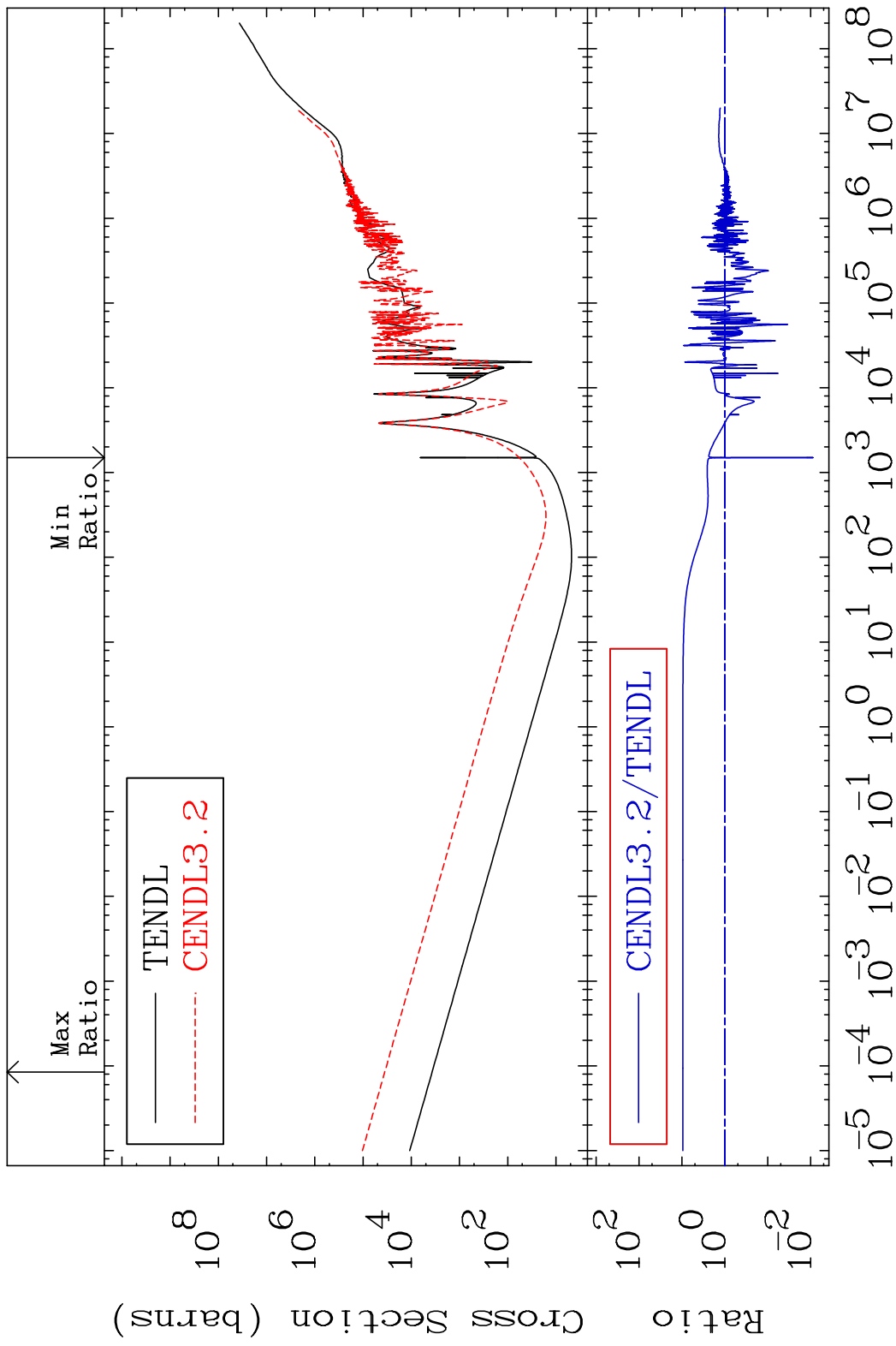
31 Incident Energy (eV) 22-Ti-49

MAT 2234 Total photon (eV-barns) 22-Ti-49
 Cross Section -100.0 To 9999. %

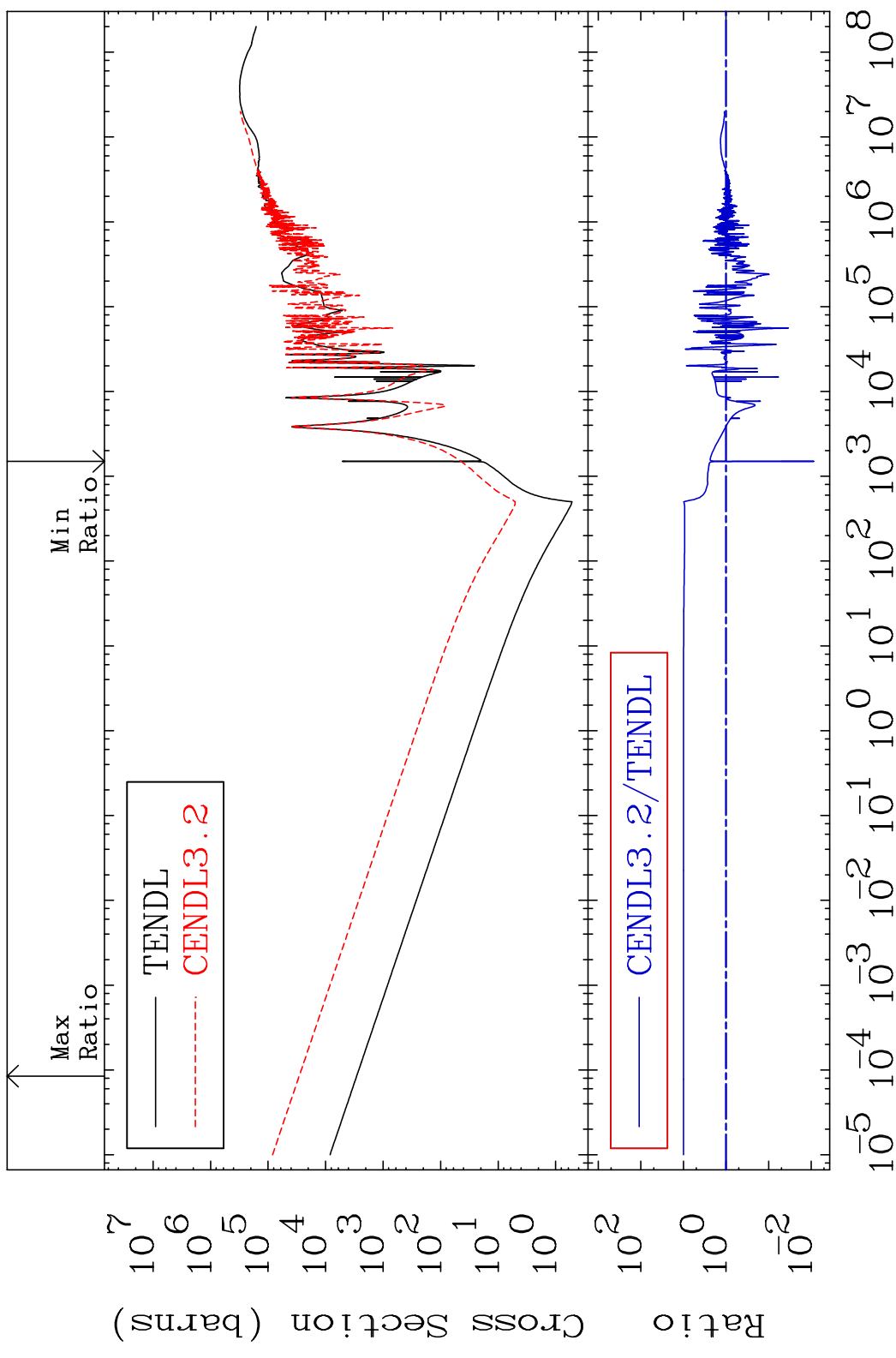


32 Incident Energy (eV) 22-Ti-49

MAT 2234 Total kinematic kerma (high limit) 22-Ti-49
Cross Section -99.12 To 858.6 %

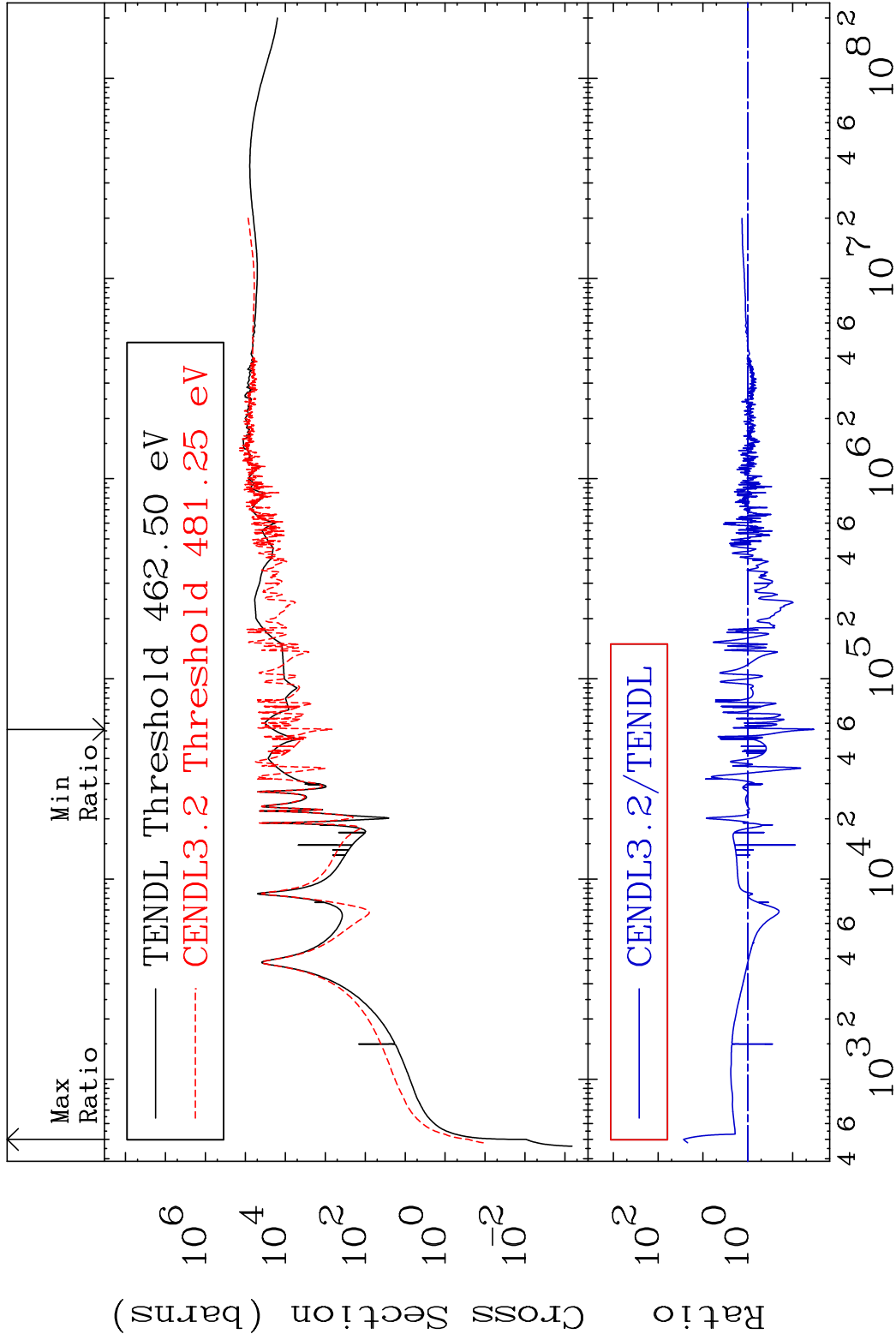


MAT 2234 Dpa total (eV-barns) ²²Ti-49
 Cross Section -99.13 To 900.4 %



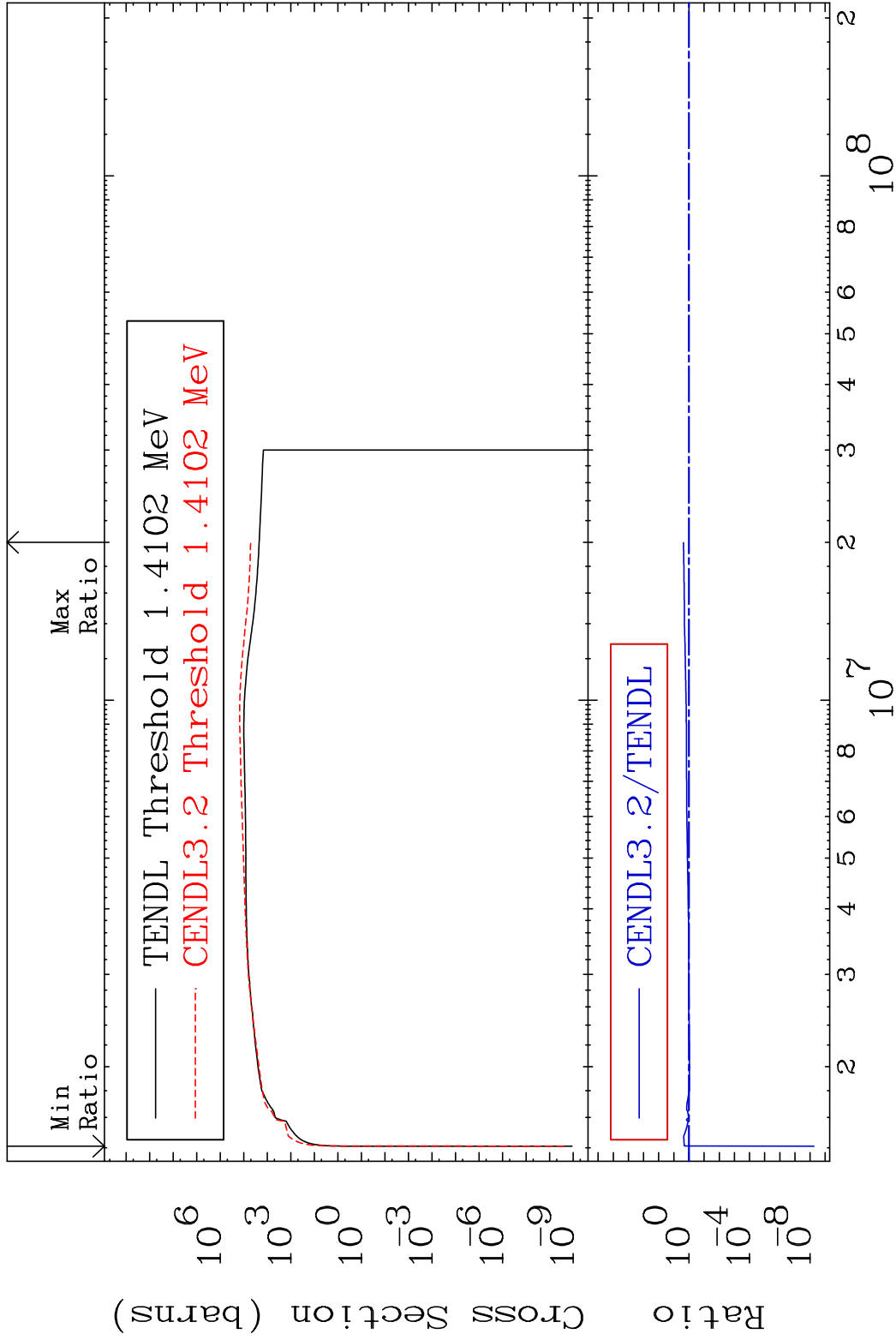
34 Incident Energy (eV) ²²Ti-49

MAT 2234 Dpa elastic (mt2) 22-Ti-49
 Cross Section -96.65 To 2619. %



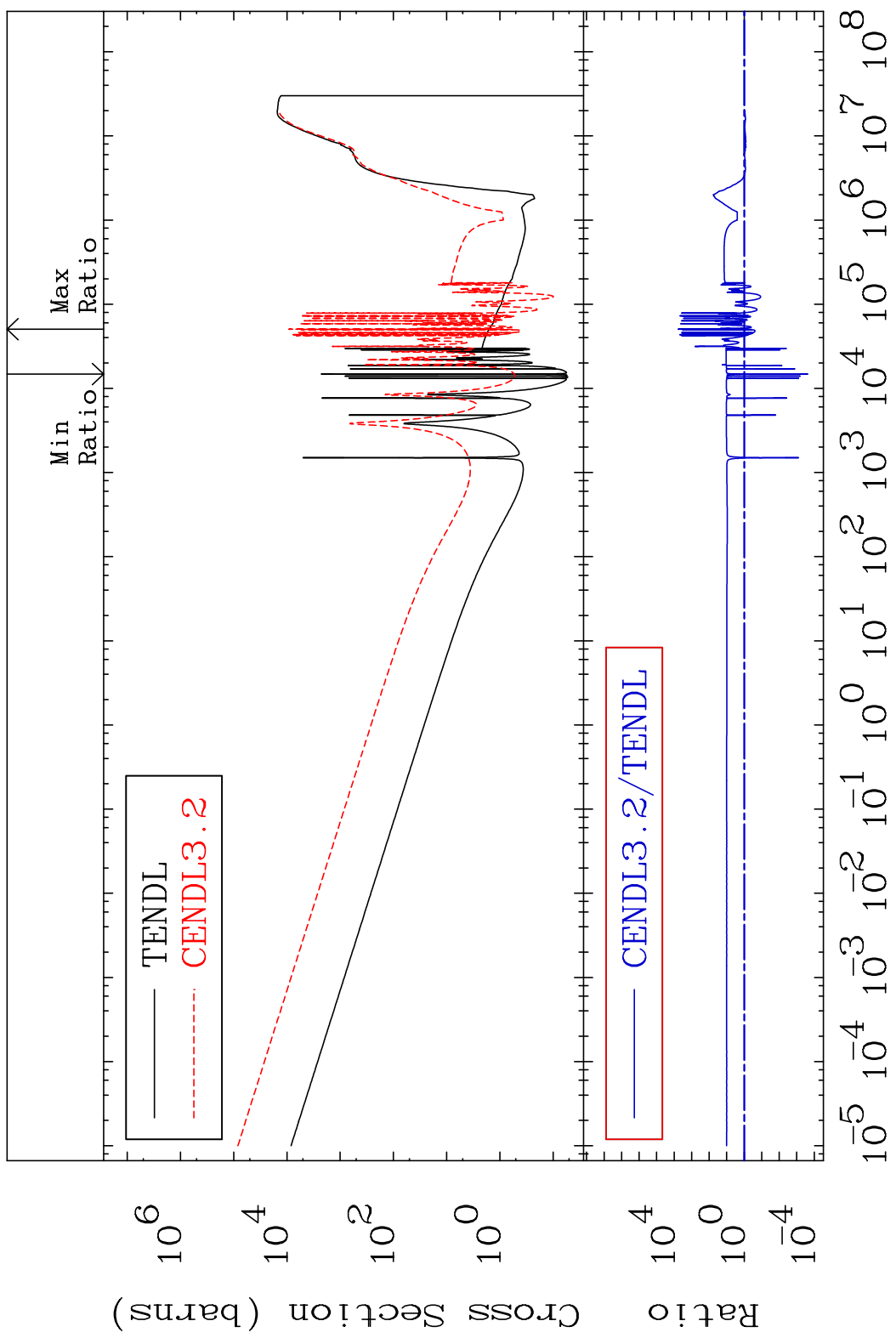
35 Incident Energy (eV) 22-Ti-49

MAT 2234 Dpa inelastic (mt51-91) ²²Ti-49
 Cross Section -100.0 To 131.5 %

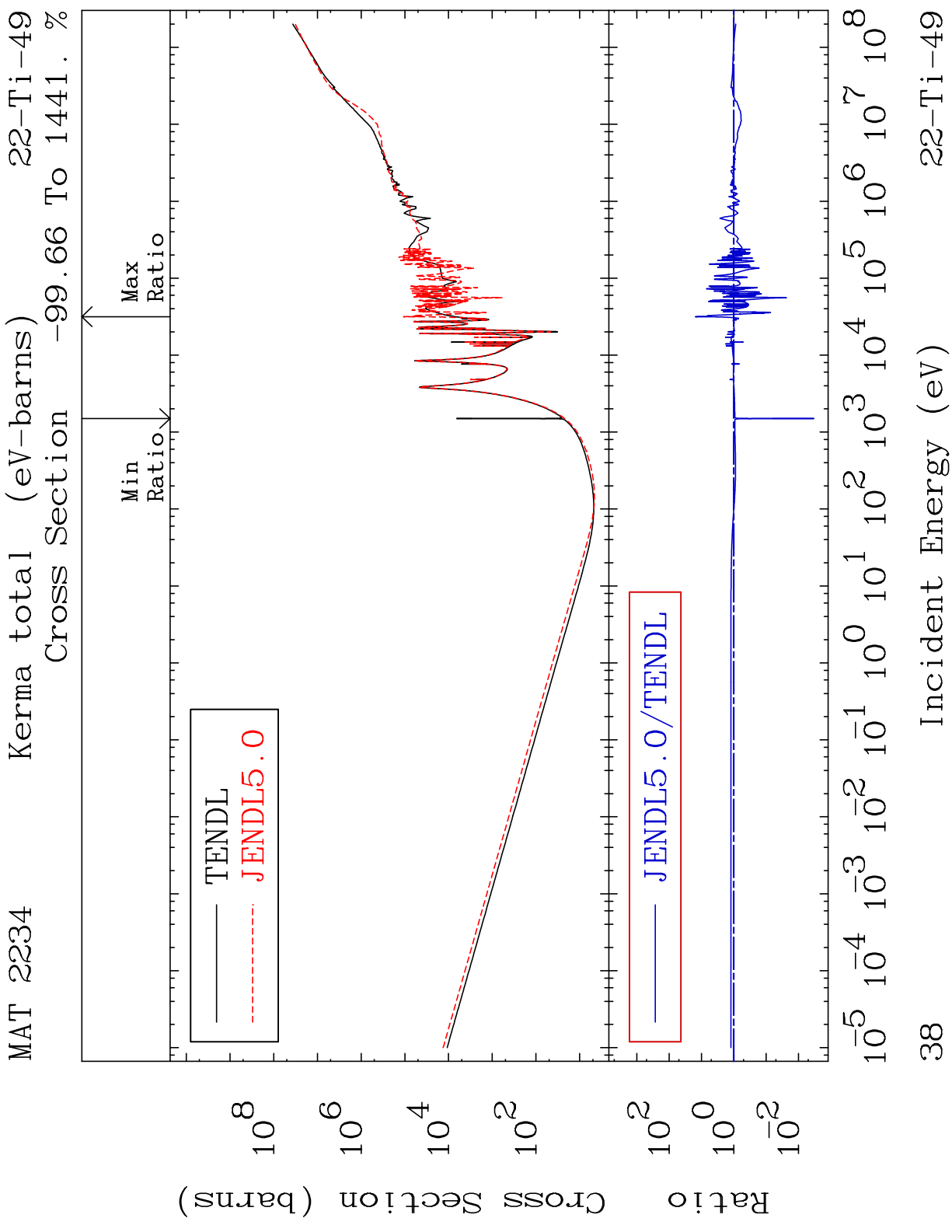


36 Incident Energy (eV) ²²Ti-49

MAT 2234 Dpa disappearance (mt102 -120) 22-Ti-49
 Cross Section -99.98 To 9999. %



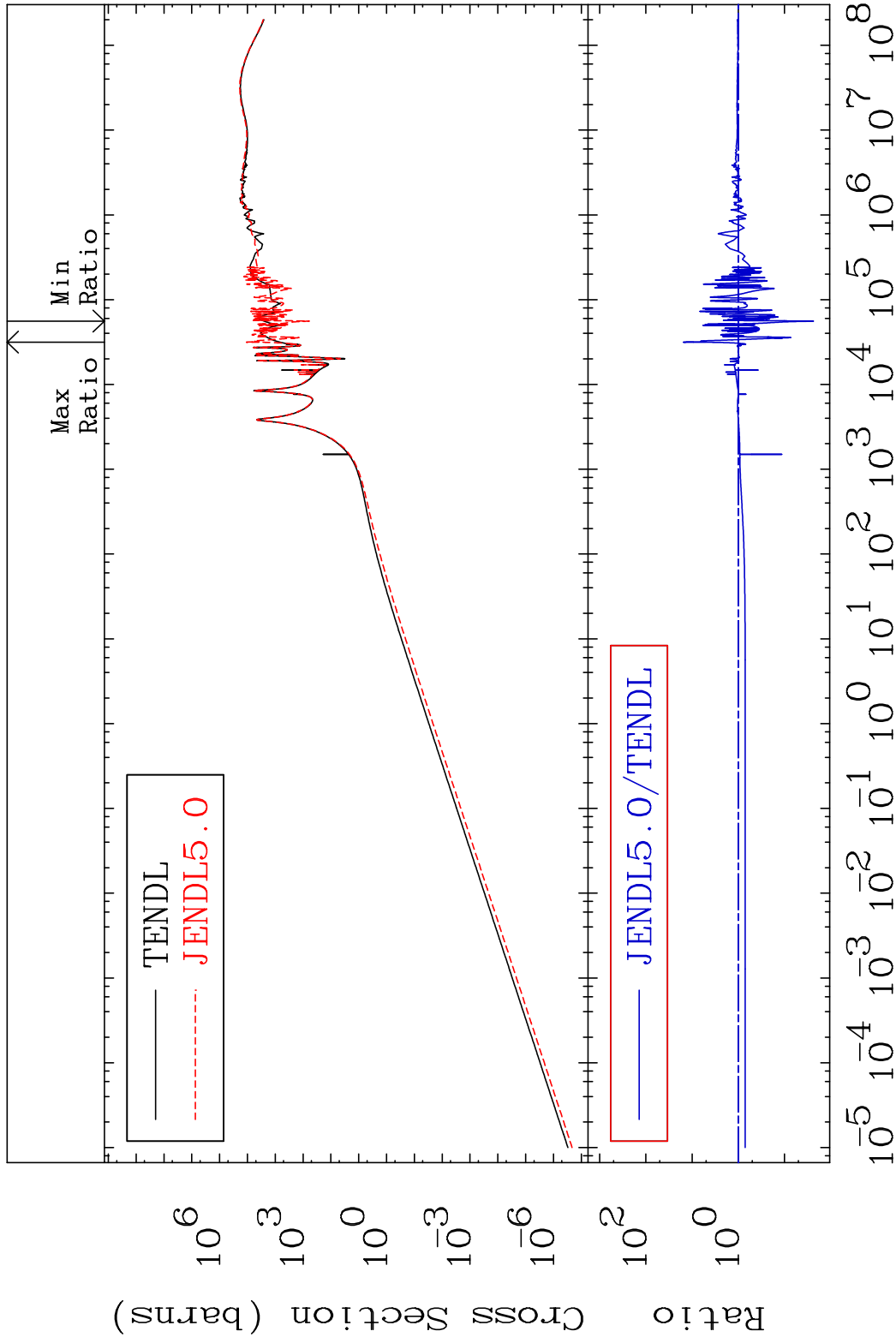
37 Incident Energy (eV) 22-Ti-49



MAT 2234

Kerma elastic
Cross Section

22-Ti-49
-97.68 To 1438. %

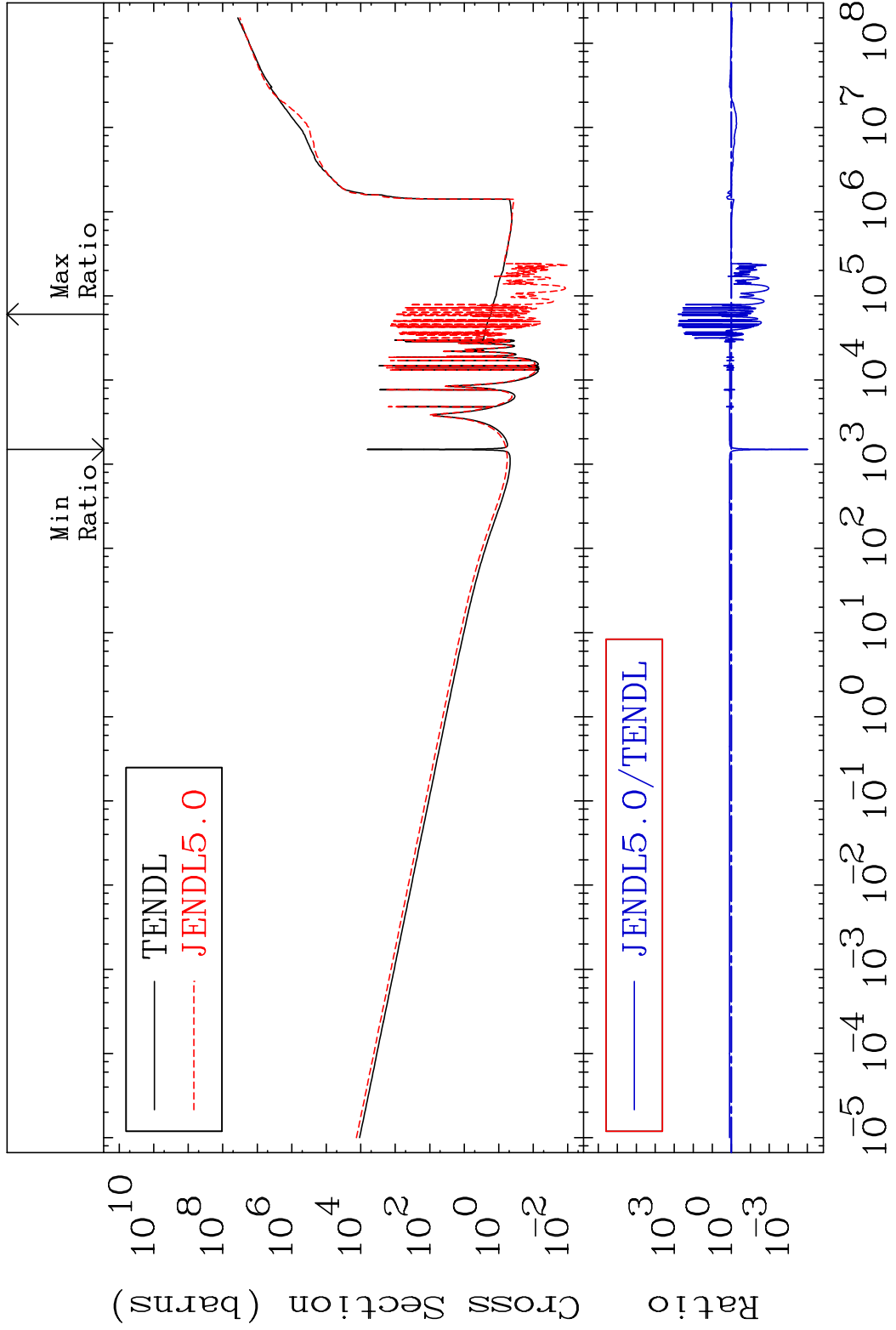


39

Incident Energy (eV)

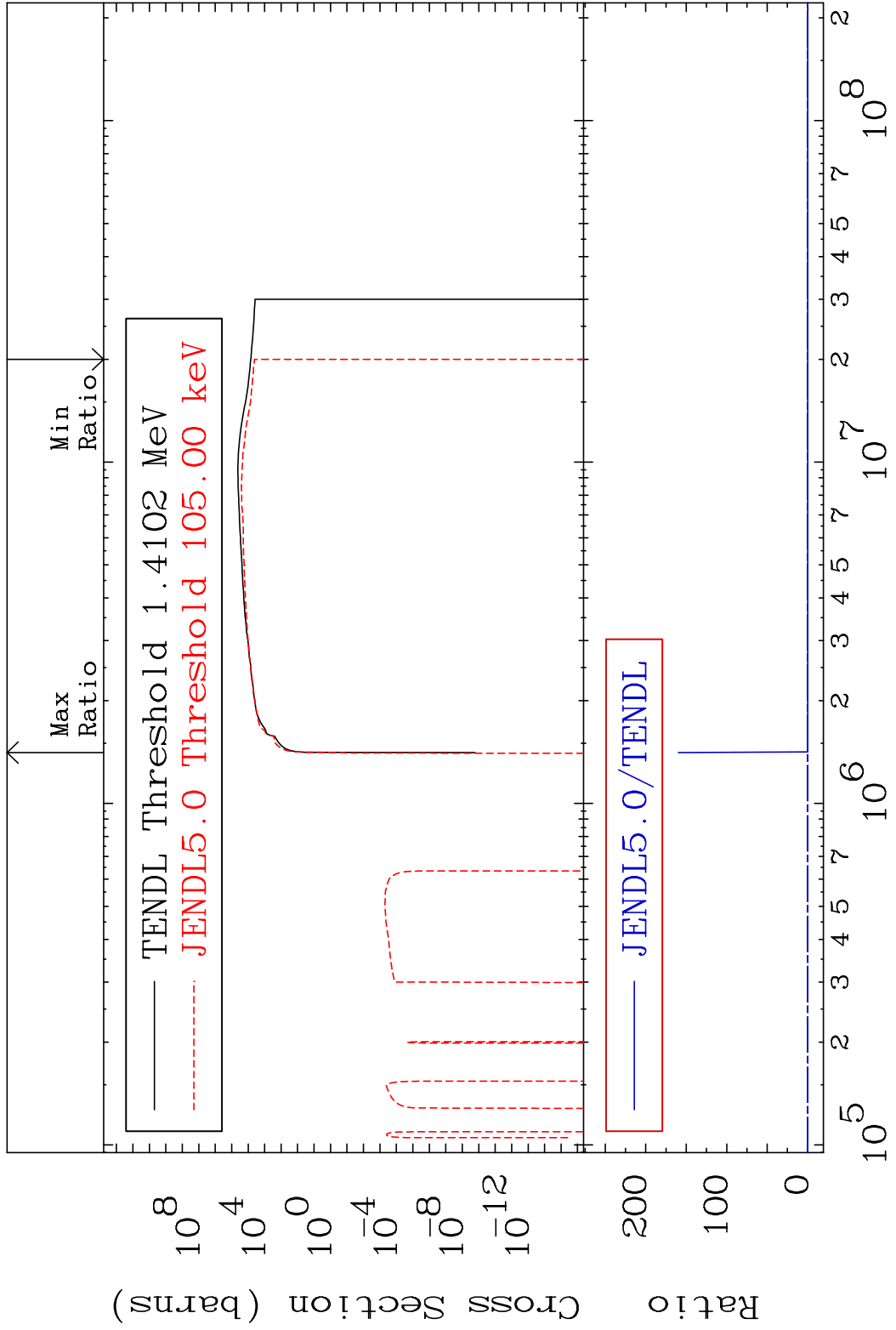
22-Ti-49

MAT 2234 Kerma non-elastic (all but mt2) 22-Ti-49
 Cross Section -99.99 To 9999. %



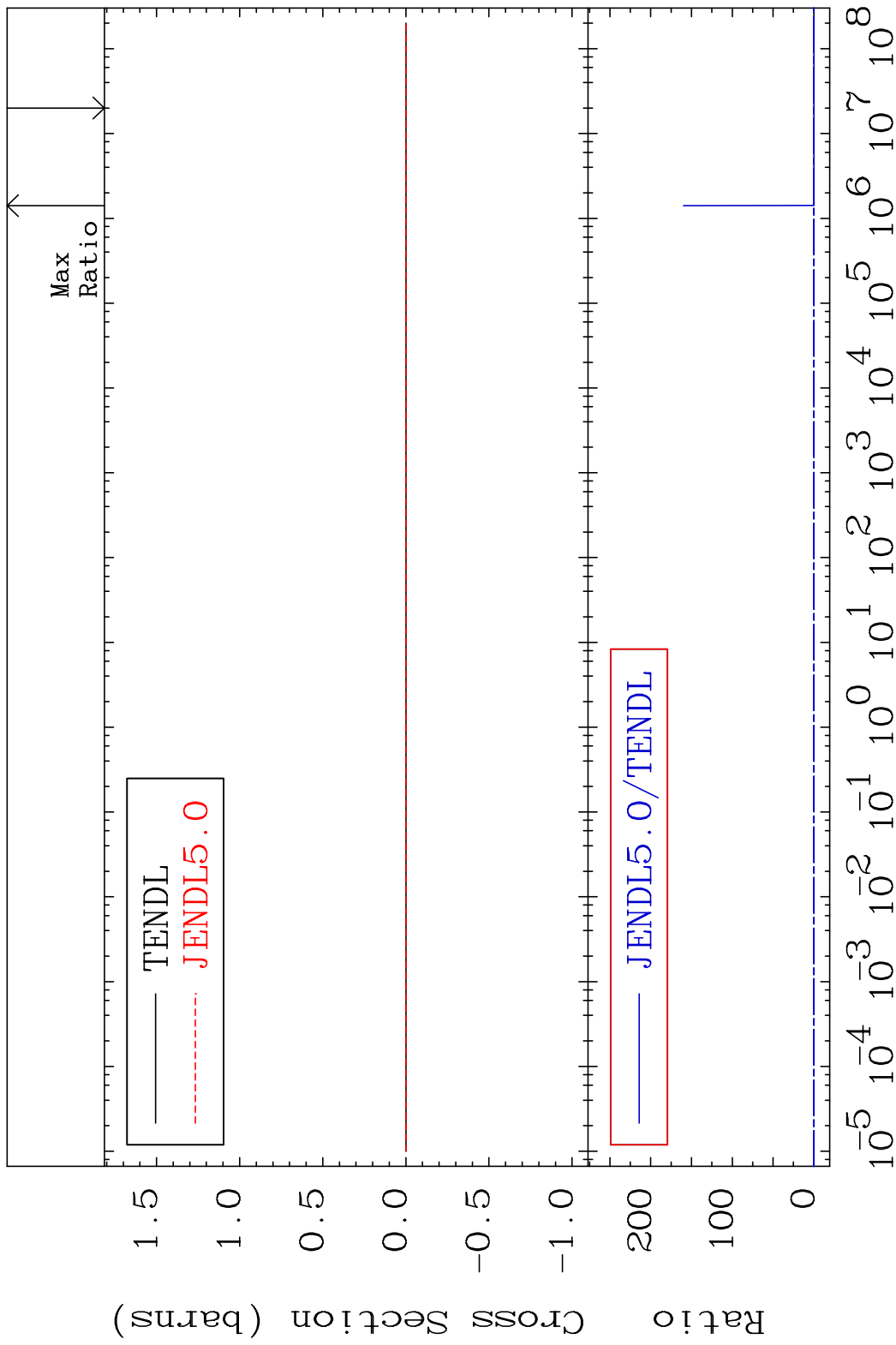
40 Incident Energy (eV) 22-Ti-49

MAT 2234 Kerma inelastic (mt51-91) 22-Ti-49
 Cross Section -100.0 To 9999. %



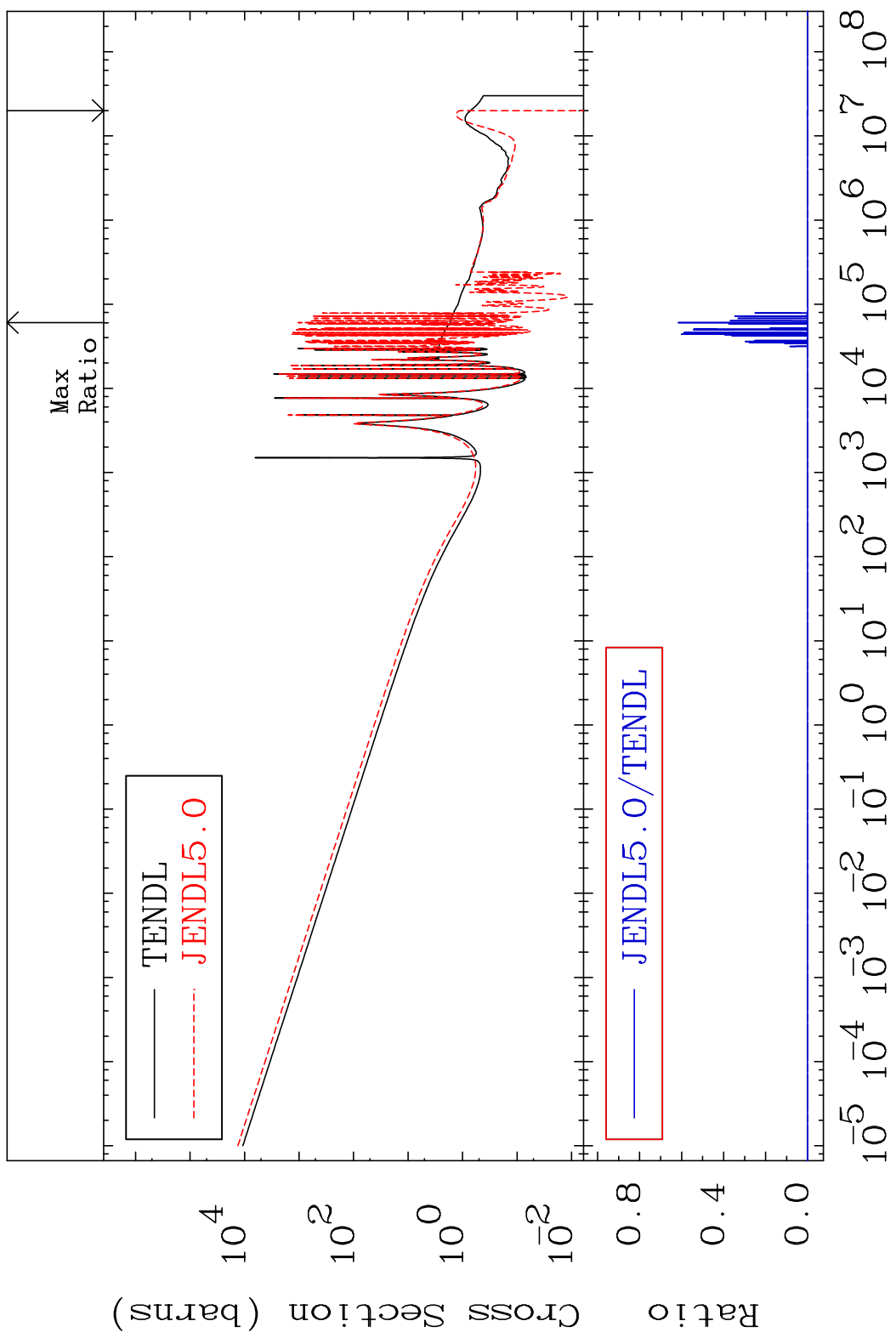
41 Incident Energy (eV) 22-Ti-49

MAT 2234 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-49
 Cross Section -100.0 To 9999. %



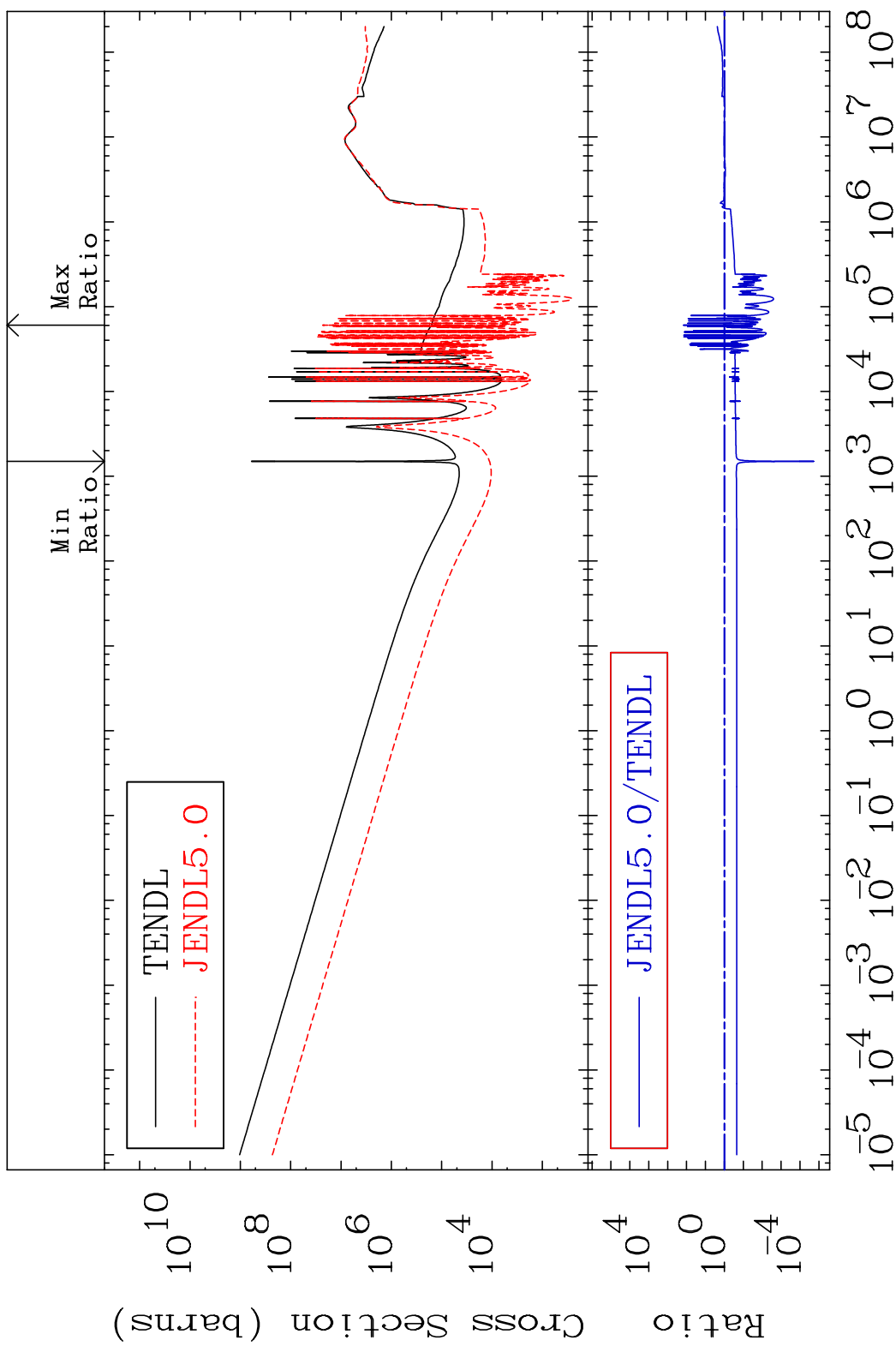
42 Incident Energy (eV) 22-Ti-49

MAT 2234 Kerma capture (mt102) 22-Ti-49
Cross Section -100.0 To 9999. %



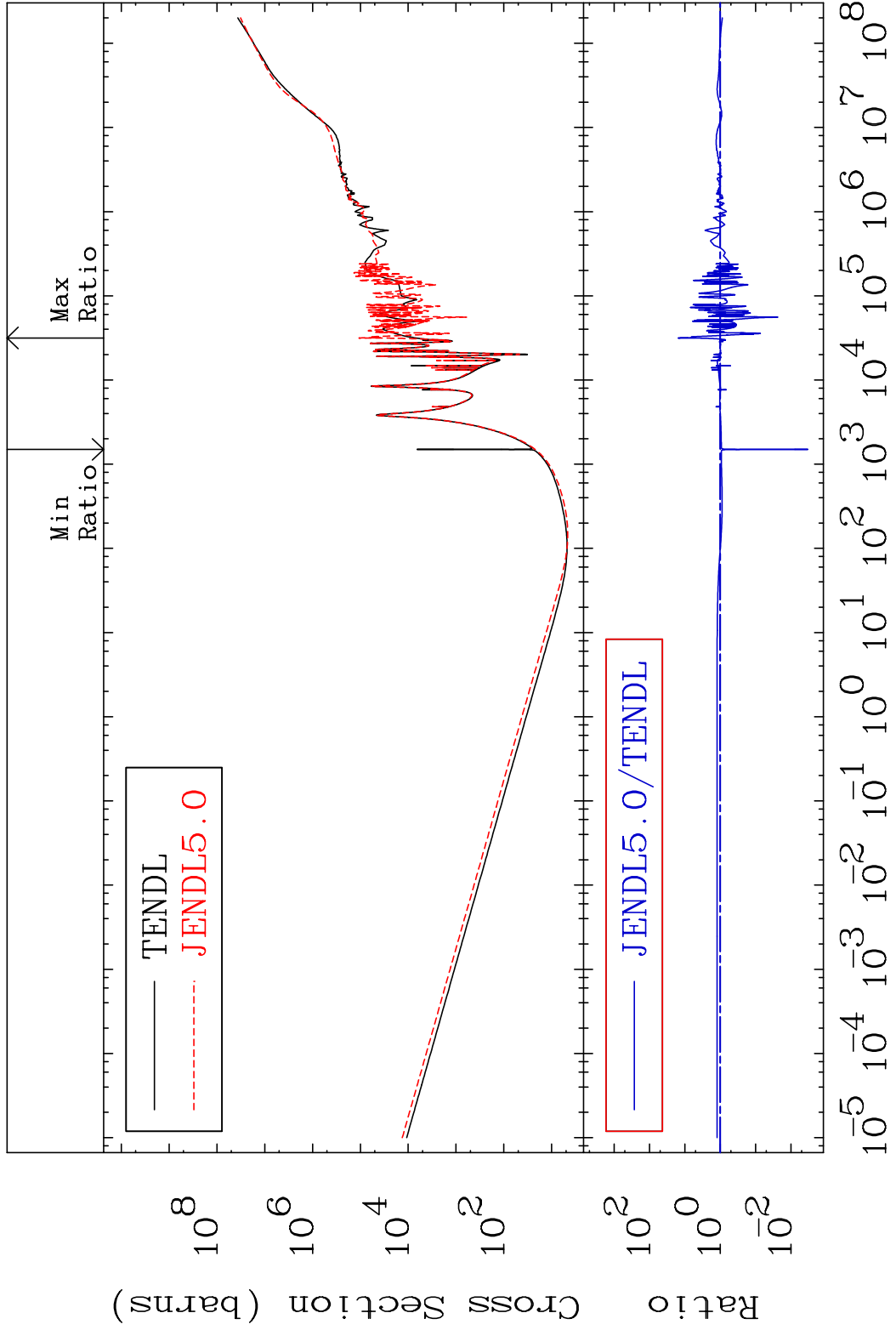
43 Incident Energy (eV) 22-Ti-49

MAT 2234 Total photon (eV-barns) 22-Ti-49
 Cross Section -100.0 To 9999. %



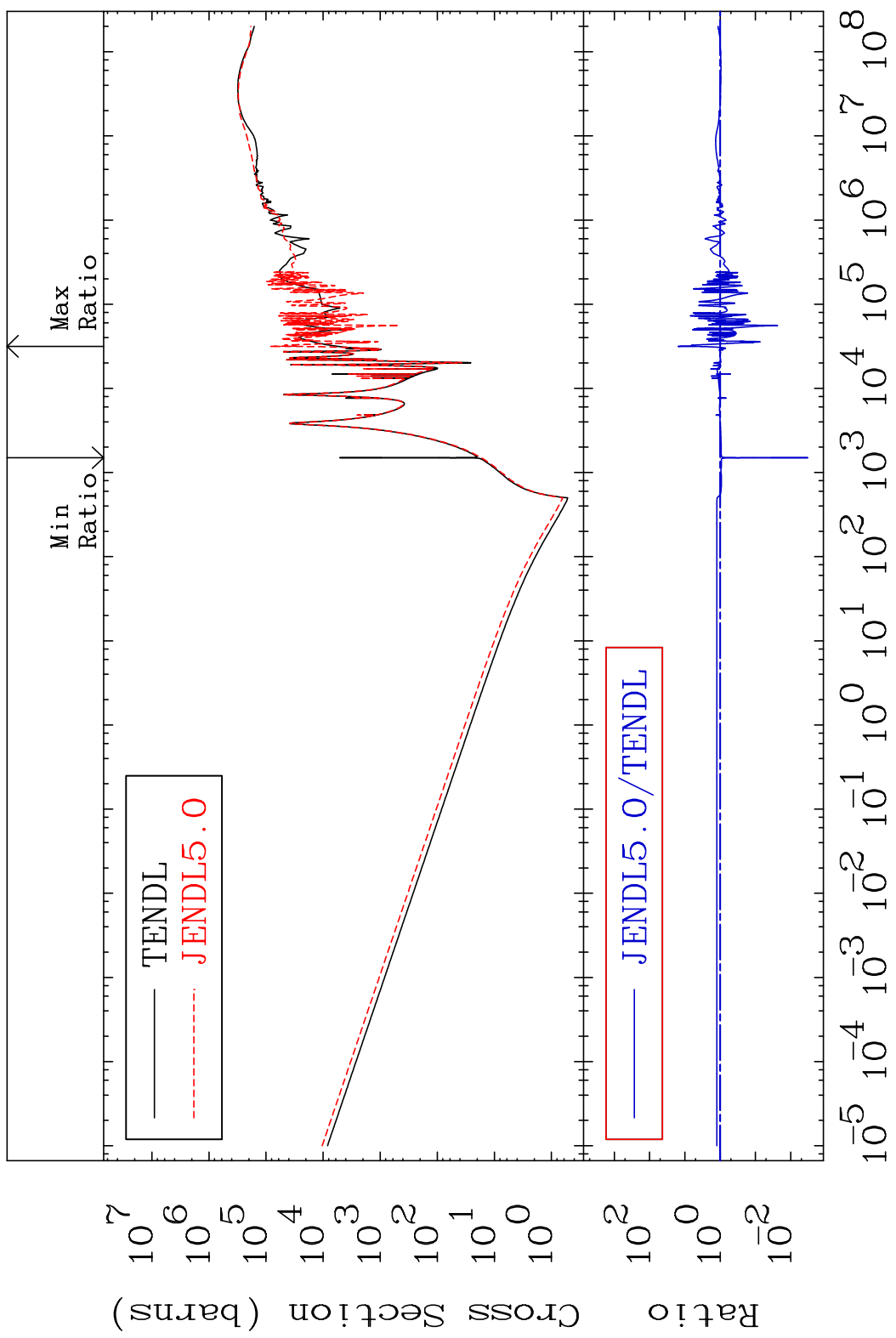
44 Incident Energy (eV) 22-Ti-49

MAT 2234 Total kinematic kerma (high limit) 22-Ti-49
Cross Section -99.66 To 1441. %



45 Incident Energy (eV) 22-Ti-49

MAT 2234 Dpa total (eV-barns) ²²Ti-49
 Cross Section -99.67 To 1441. %



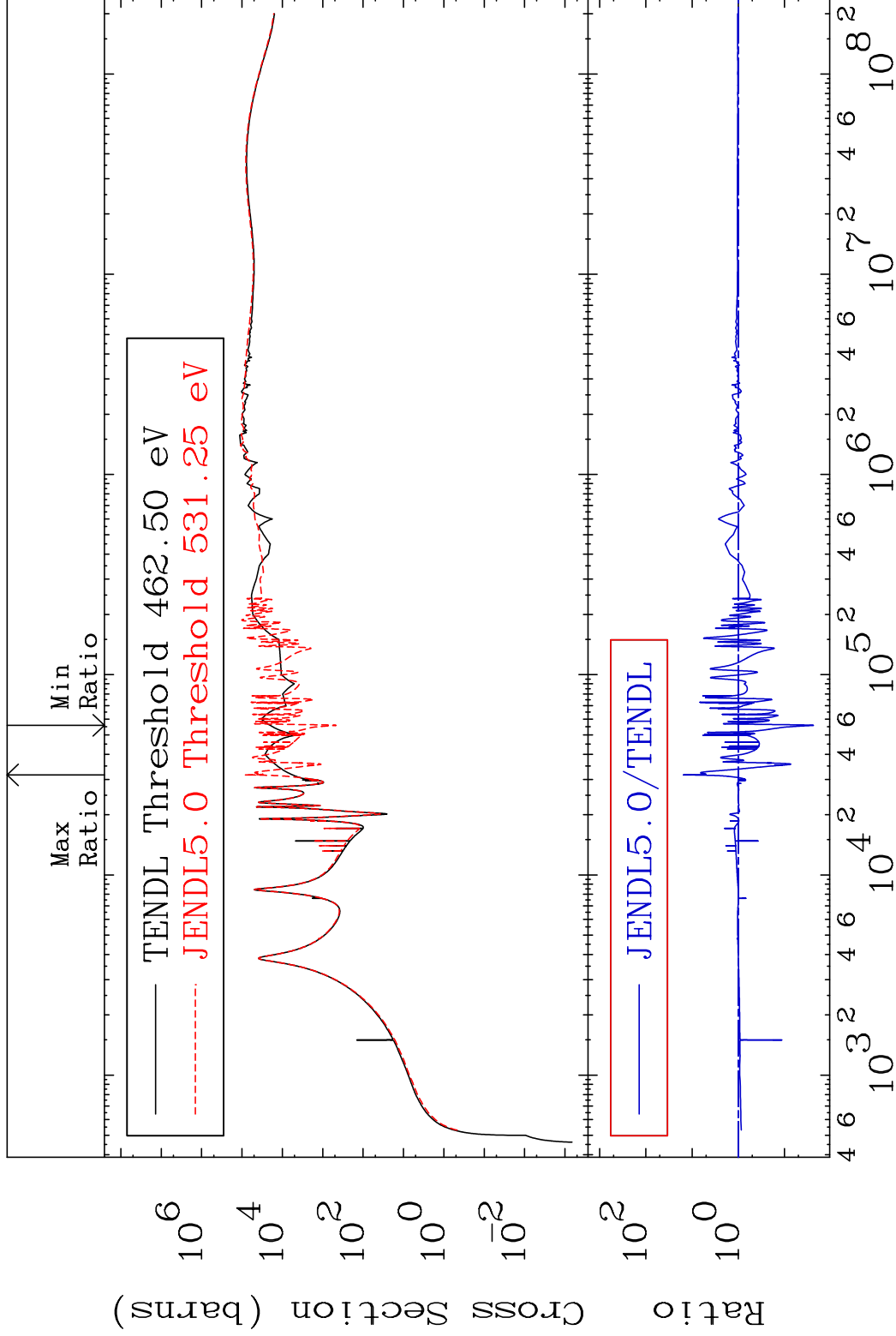
46 Incident Energy (eV) ²²Ti-49

MAT 2234

Dpa elastic (mt2)

22-Ti-49

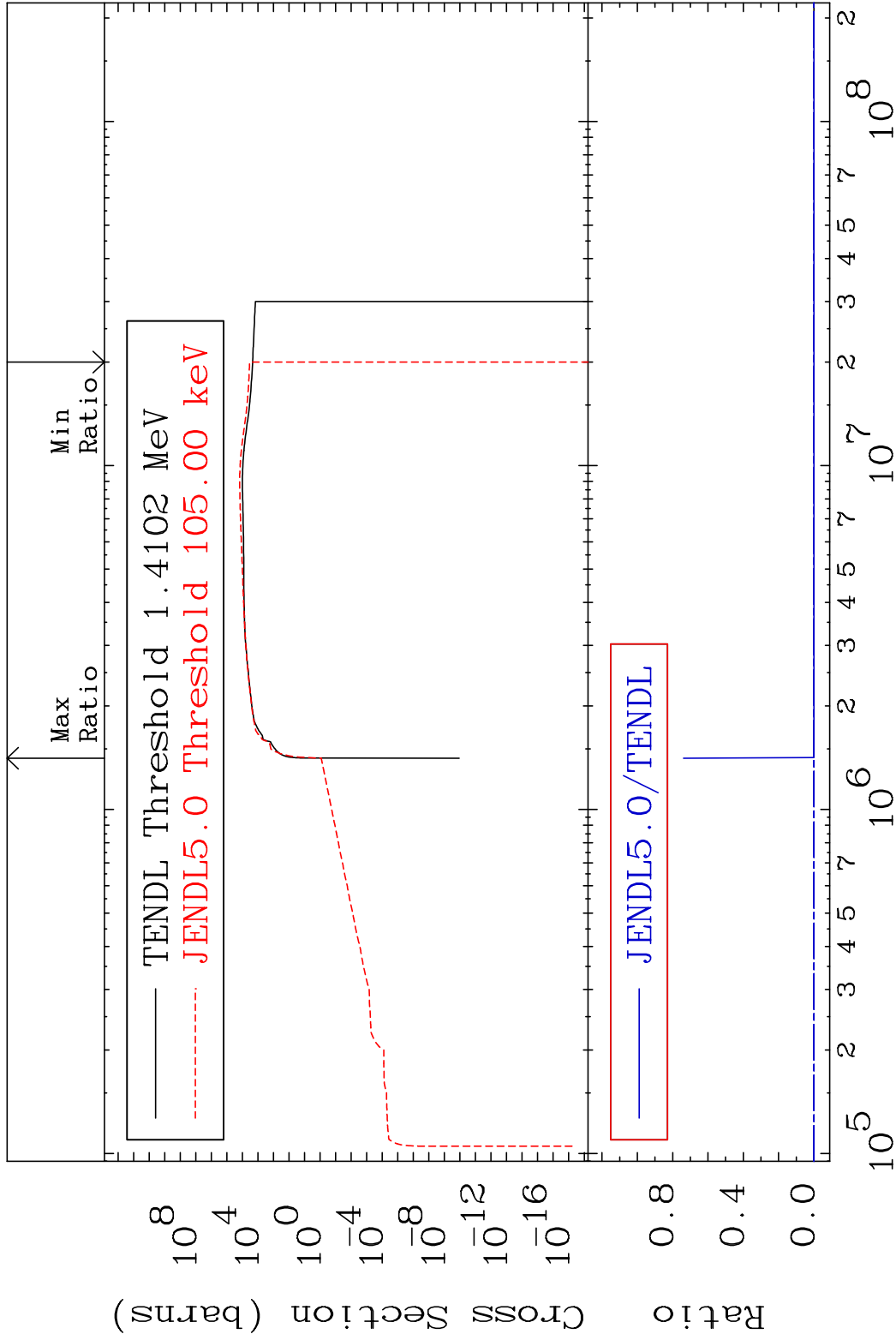
Cross Section -97.68 To 1439. %



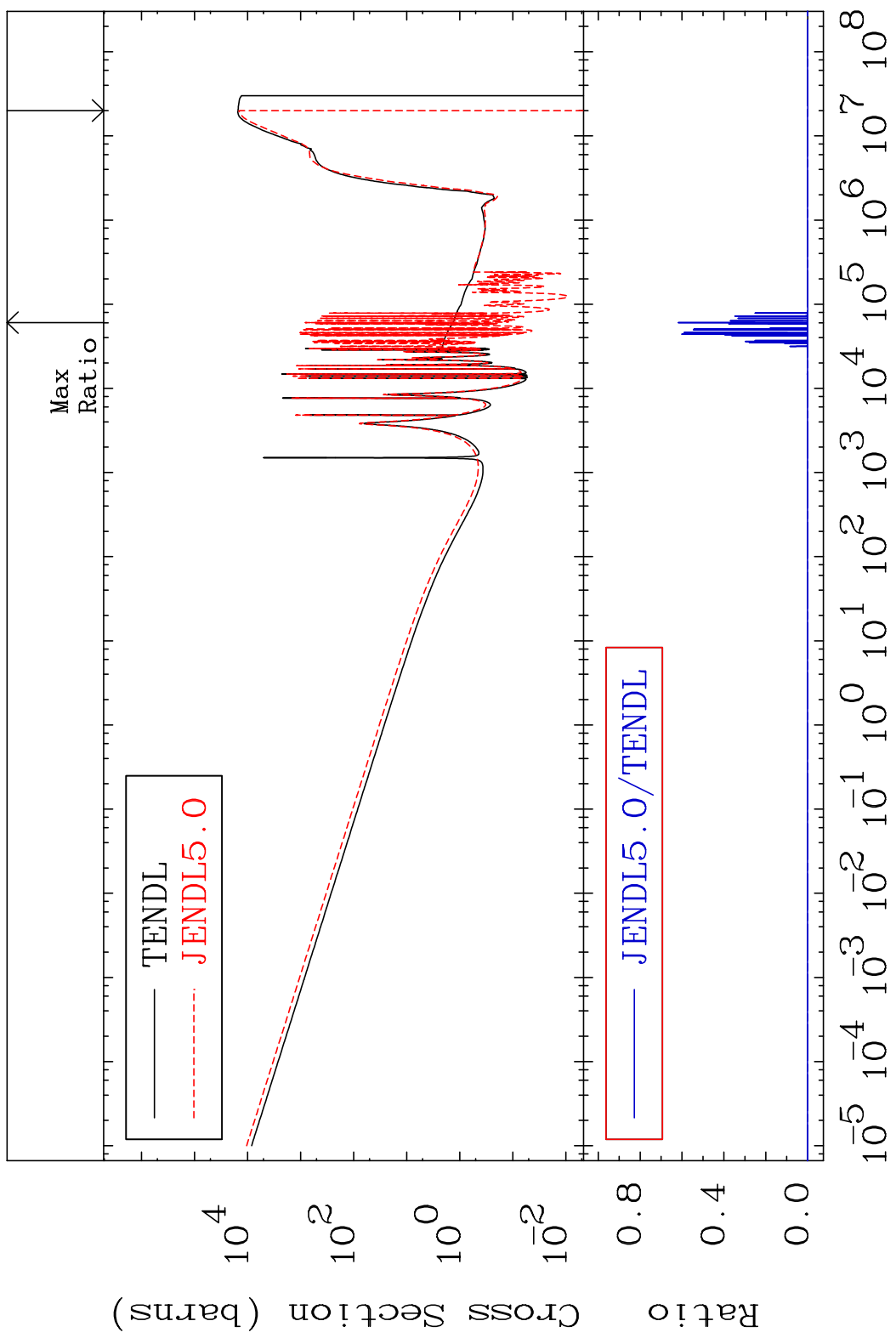
47

Incident Energy (eV)

22-Ti-49



MAT 2234 Dpa disappearance (mt102 -120) 22-Ti-49
 Cross Section -100.0 To 9999. %



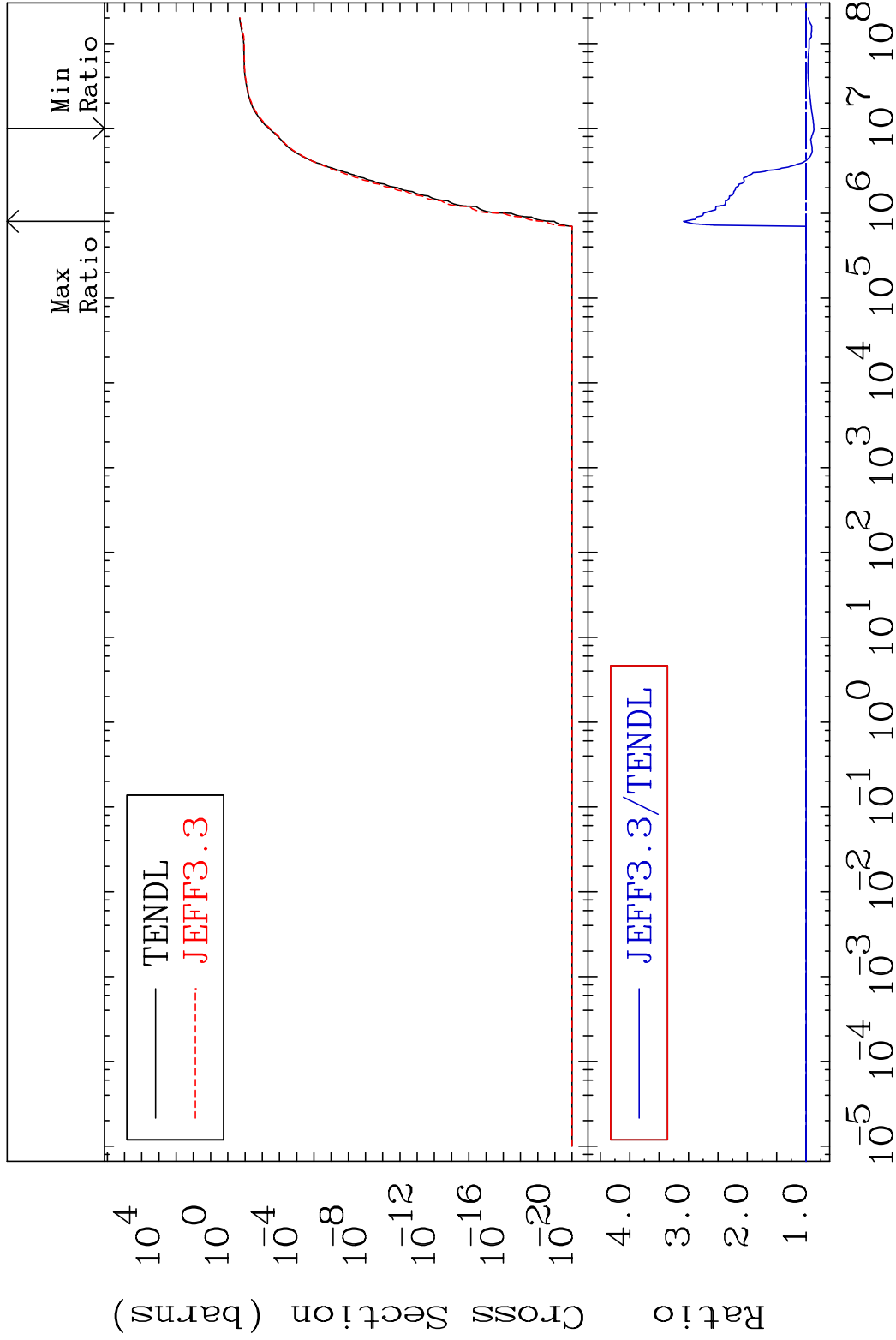
49 Incident Energy (eV) 22-Ti-49

MAT 2234

He-4 Production

22-Ti-49

Cross Section -13.32 To 208.6 %

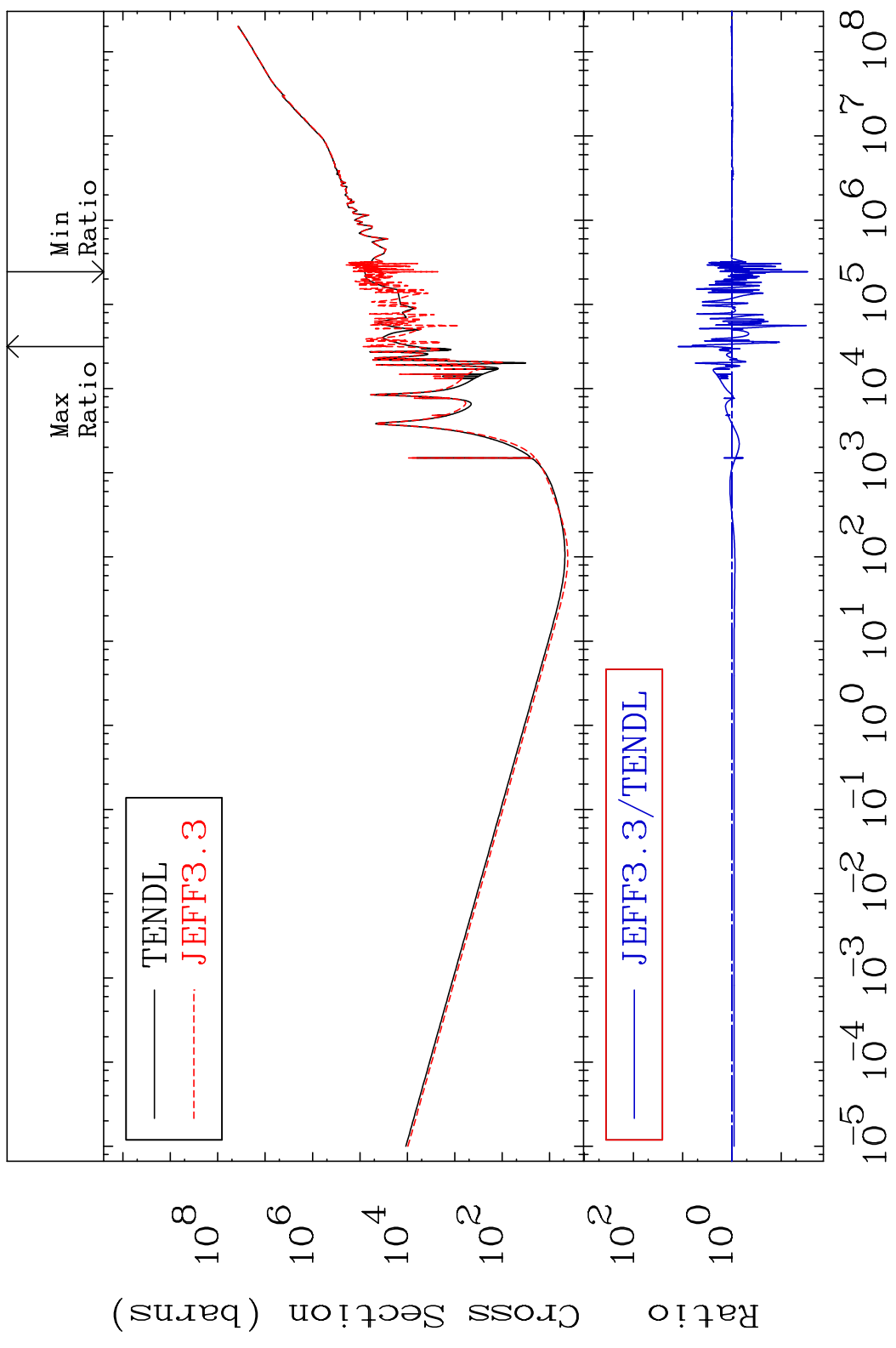


50

Incident Energy (eV)

22-Ti-49

MAT 2234 Kerma total (eV-barns) ²²Ti-49
 Cross Section -97.12 To 1127. %

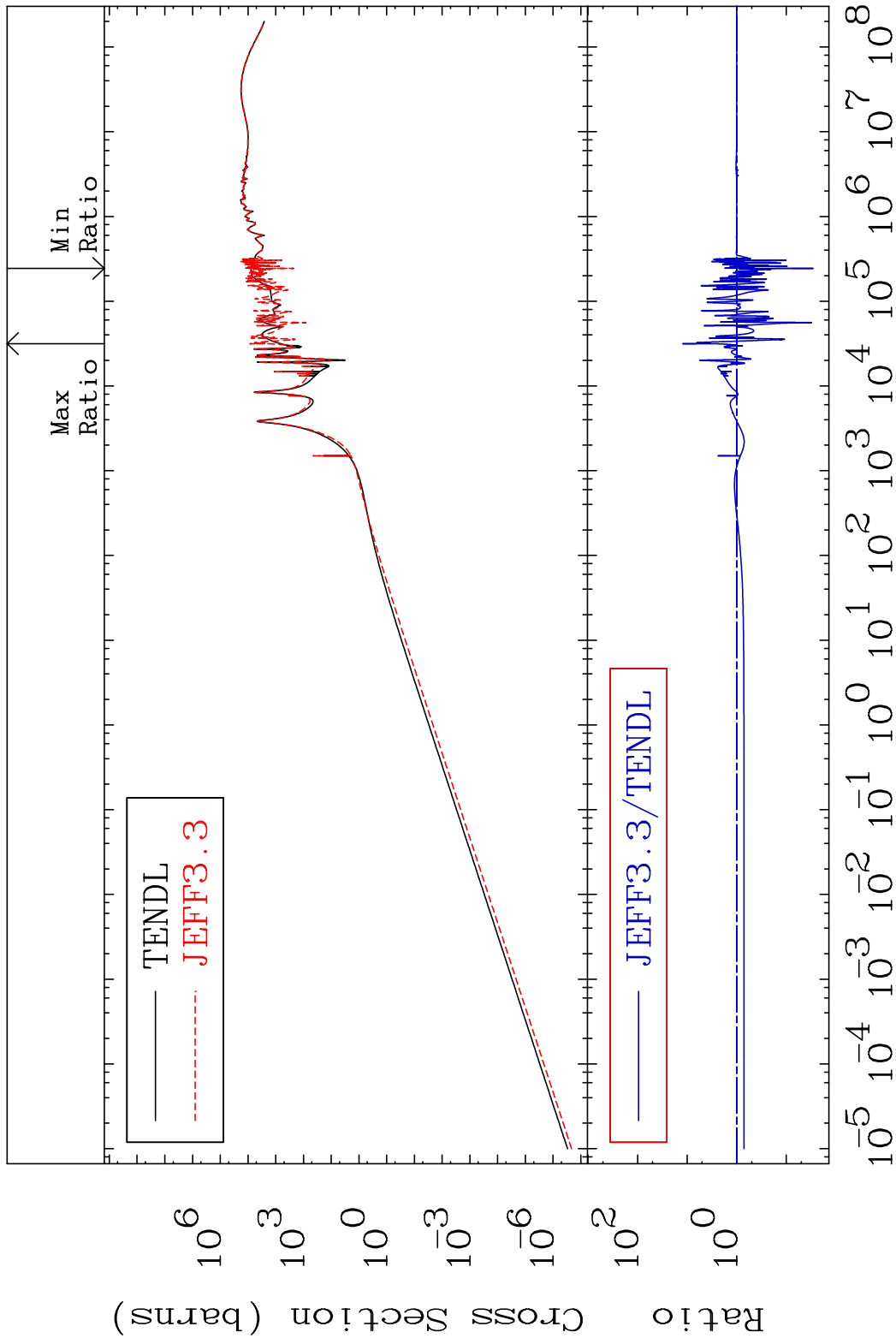


51 Incident Energy (eV) ²²Ti-49

MAT 2234

Kerma elastic
Cross Section

22-Ti-49
-97.12 To 1123. %

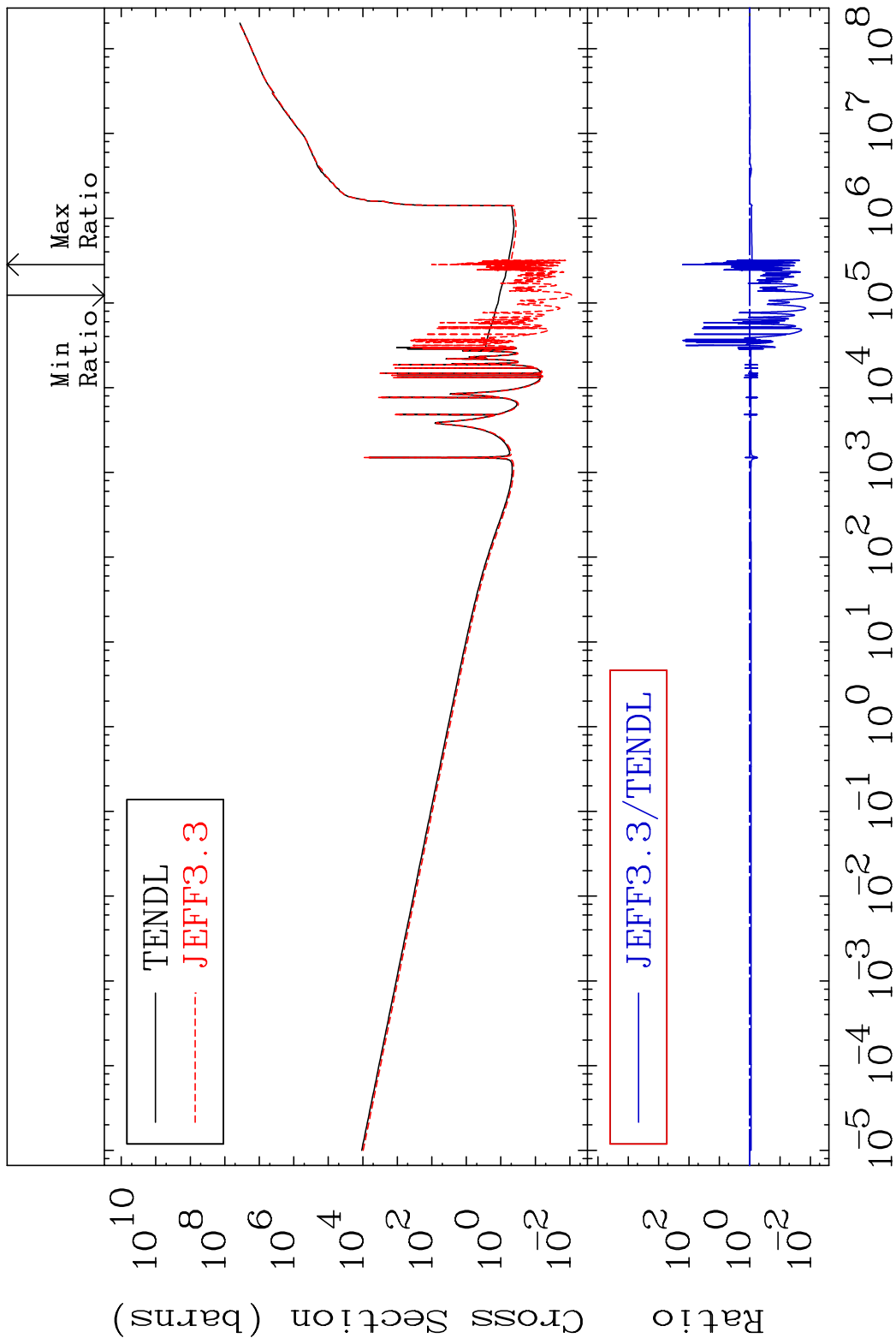


52

Incident Energy (eV)

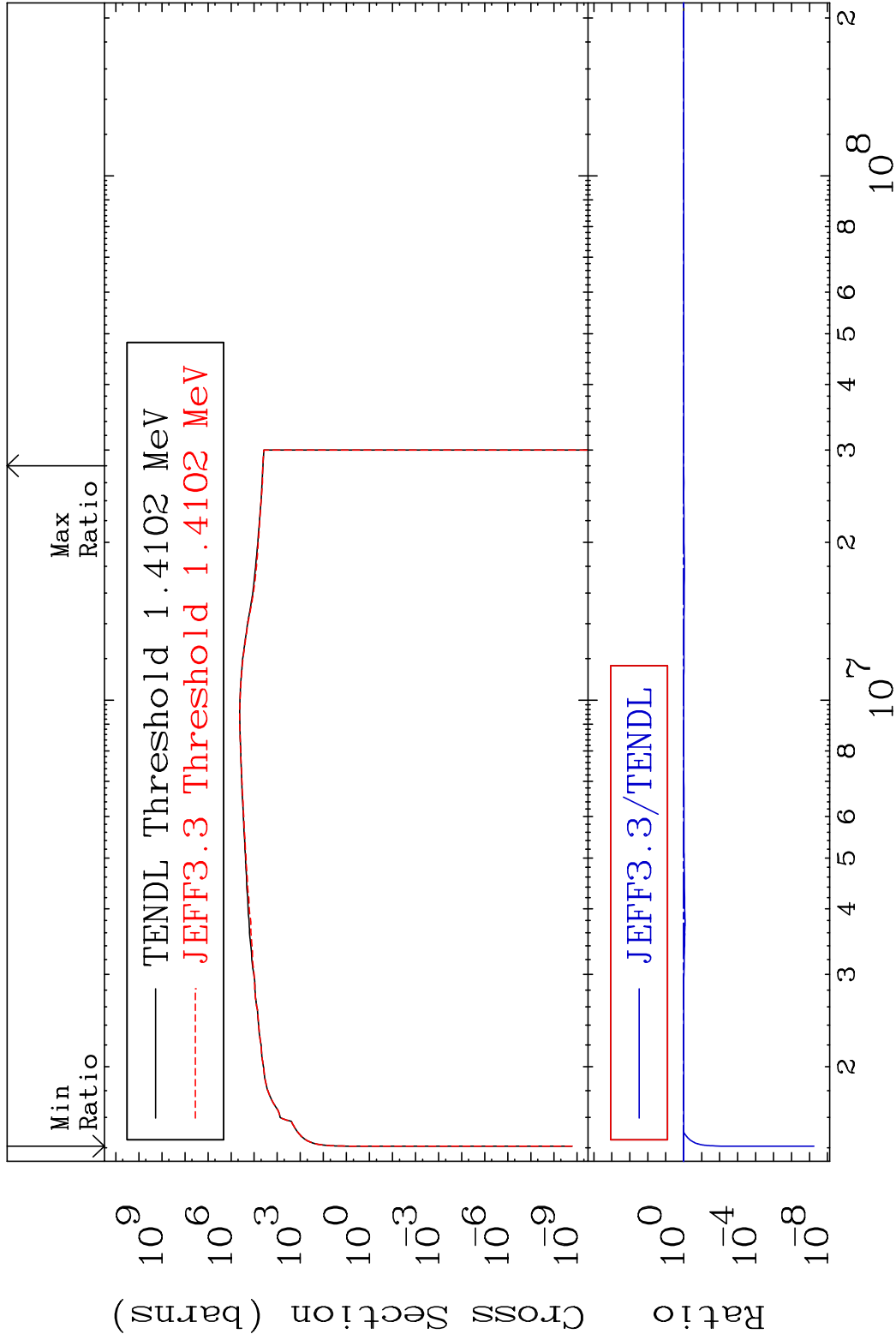
22-Ti-49

MAT 2234 Kerma non-elastic (all but mt2) 22-Ti-49
 Cross Section -99.19 To 9999. %

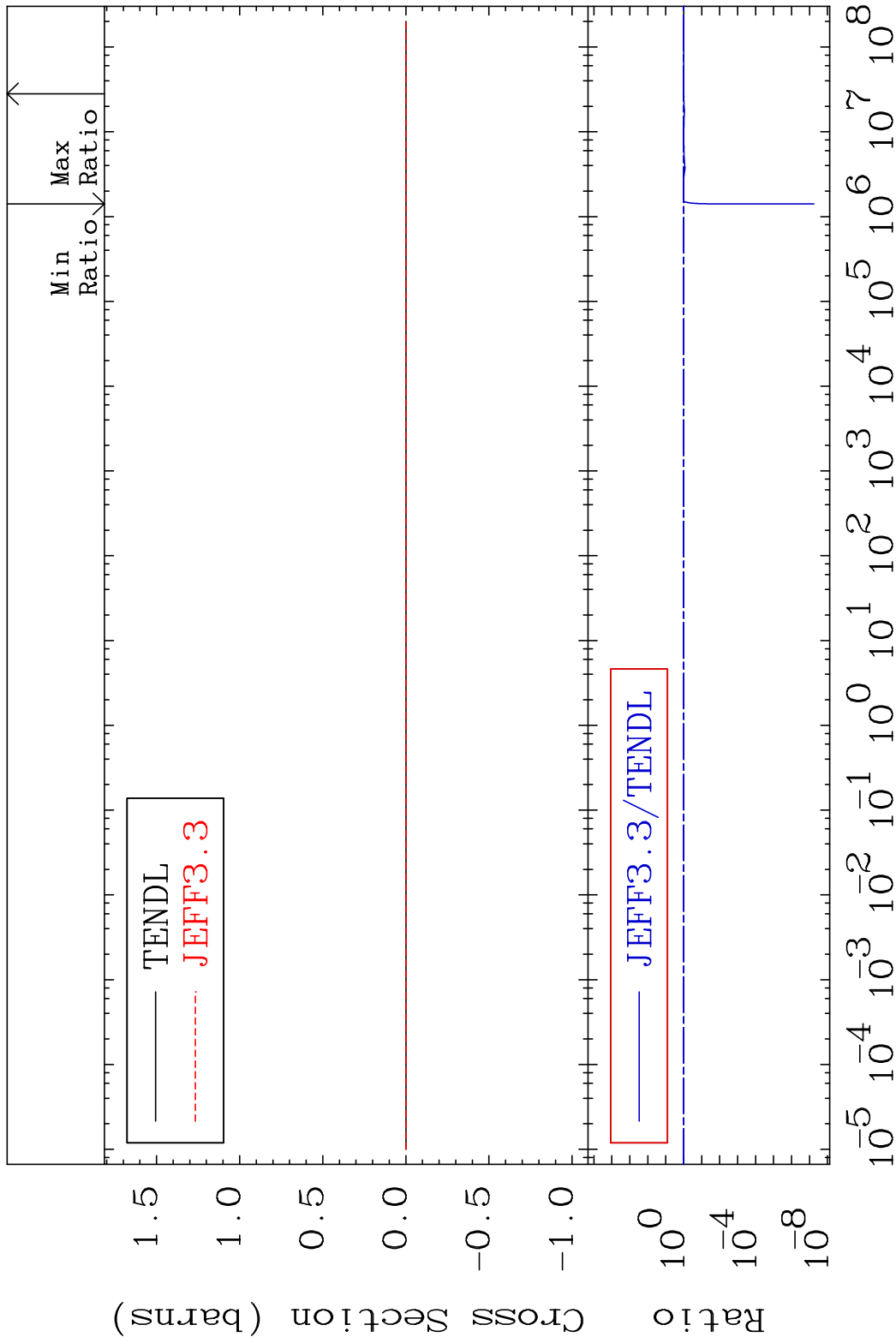


53 Incident Energy (eV) 22-Ti-49

MAT 2234 Kerma inelastic (mt51-91) 22-Ti-49
 Cross Section -100.0 To 3.272 %

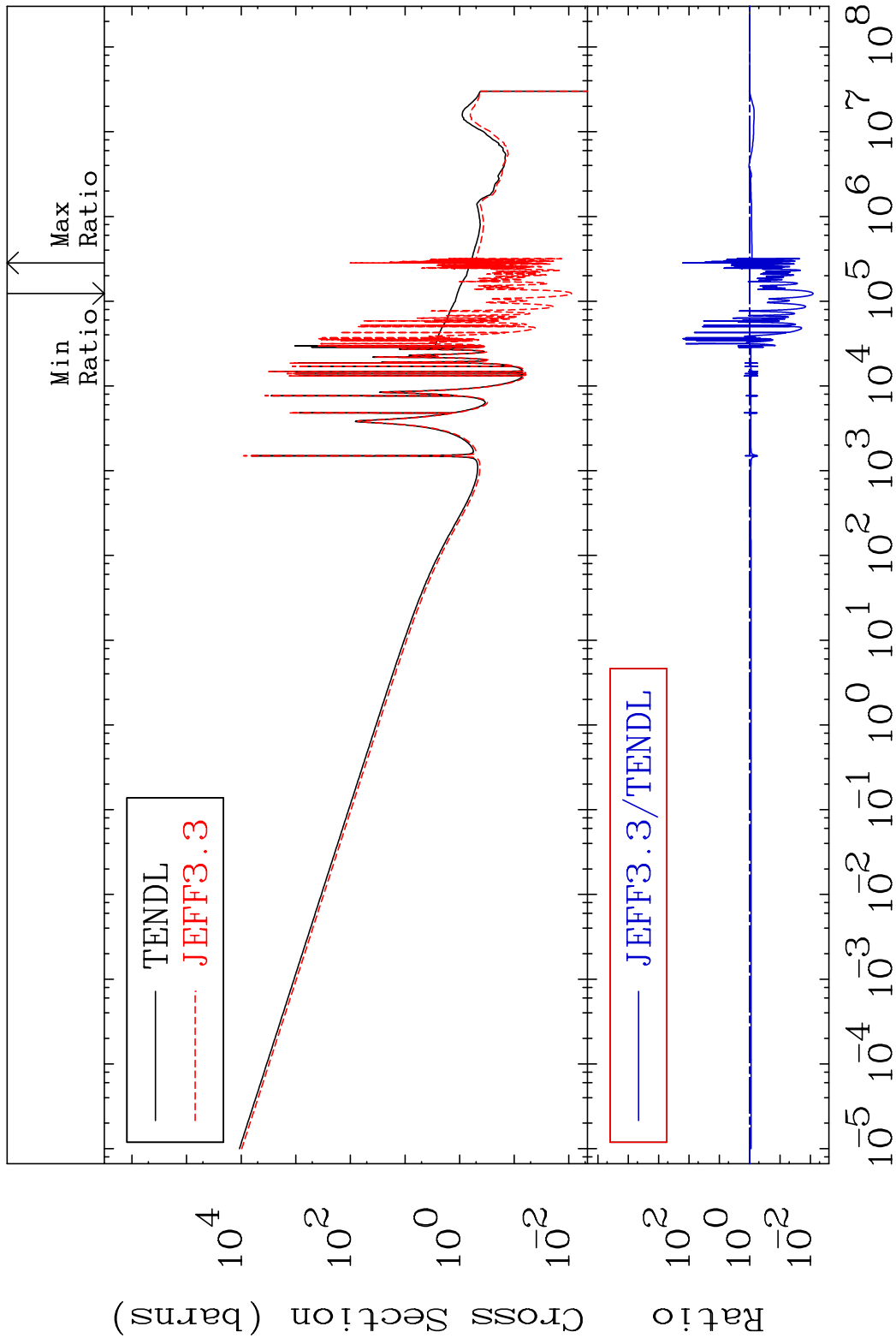


MAT 2234 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-49
 Cross Section -100.0 To 3.272 %



MAT 2234

Kerma capture (mt102) 22-Ti-49
Cross Section -99.19 To 9999. %

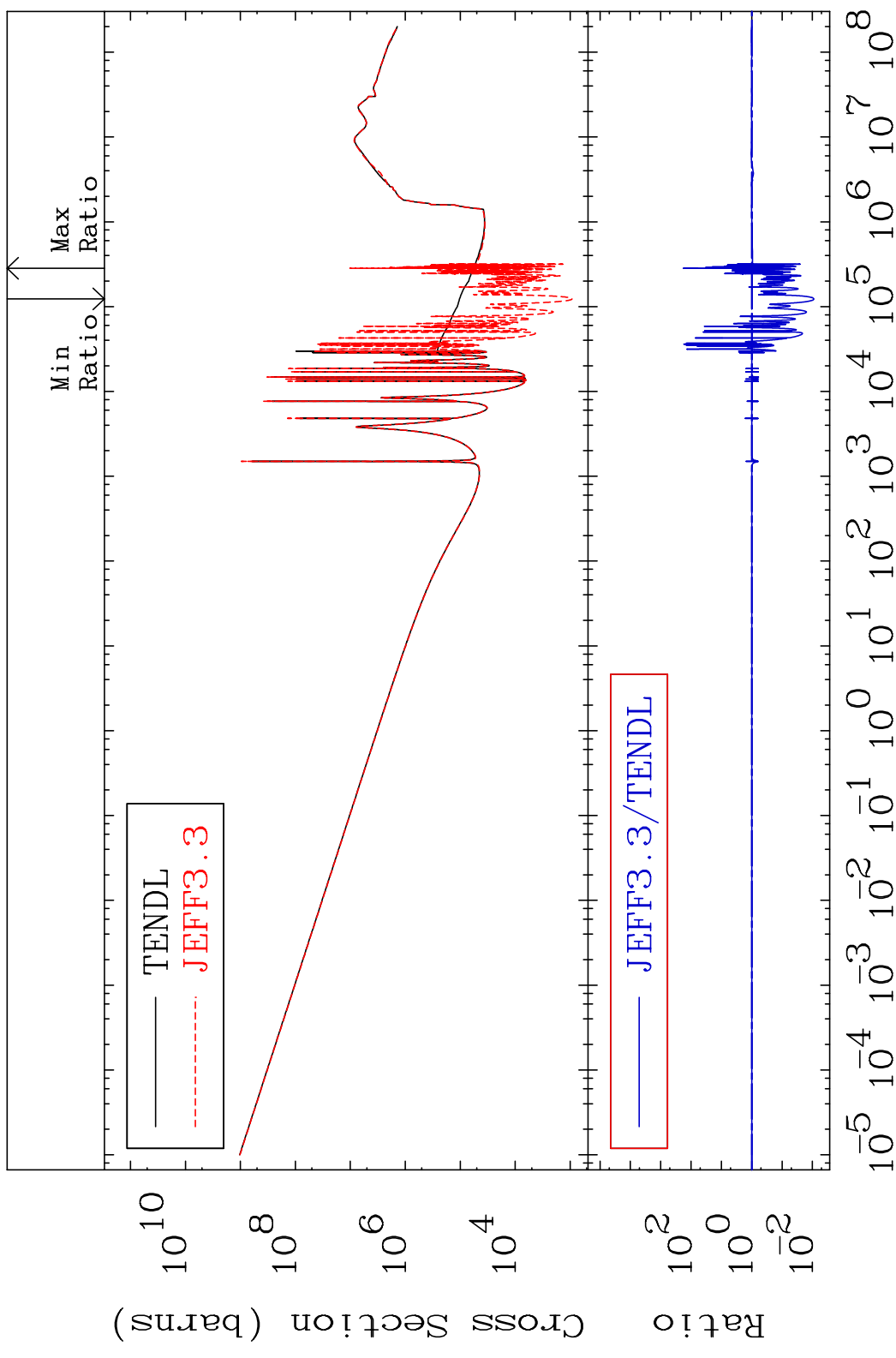


56

Incident Energy (eV)

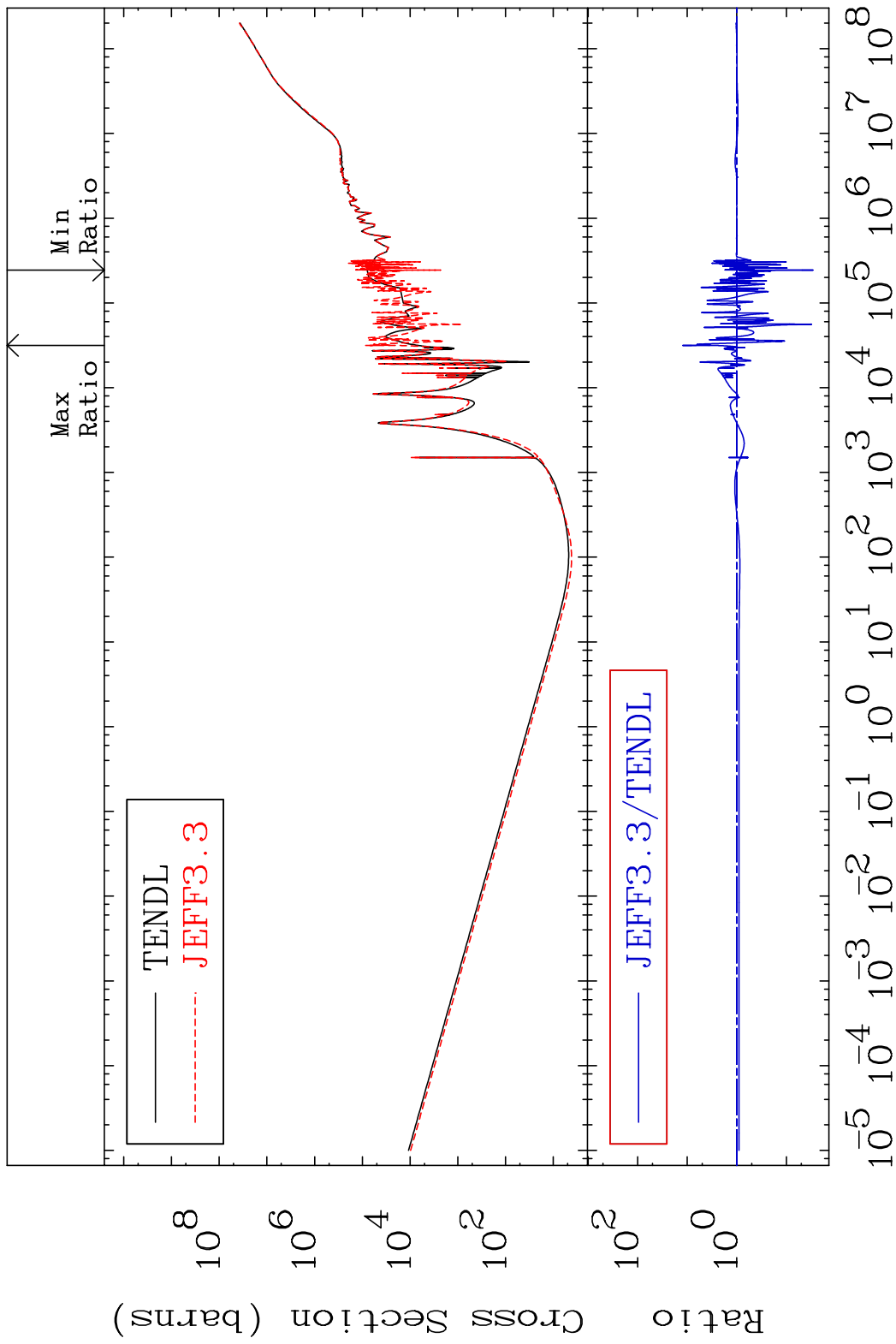
22-Ti-49

MAT 2234 Total photon (eV-barns) 22-Ti-49
 Cross Section -99.10 To 9999. %

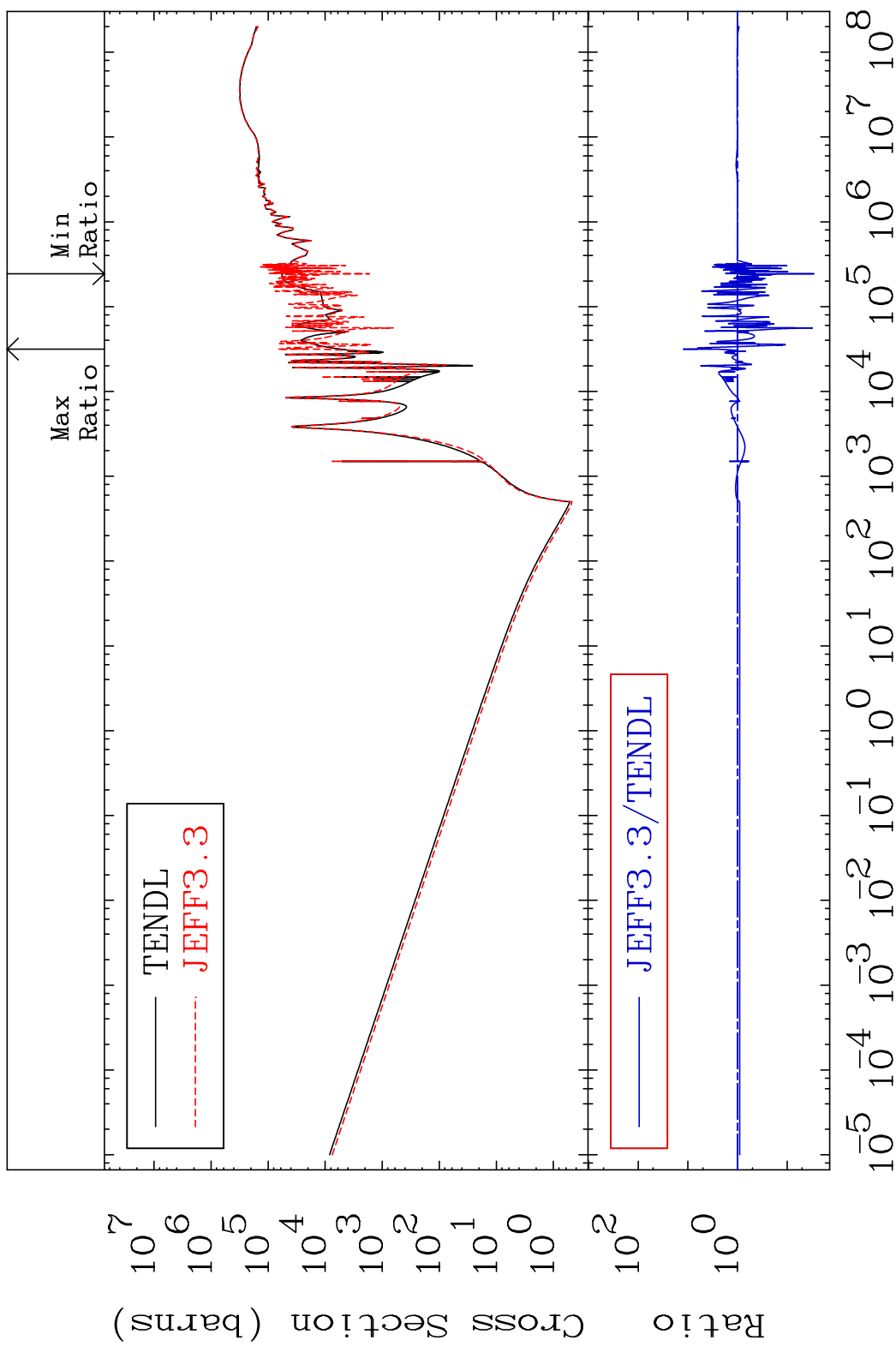


57 Incident Energy (eV) 22-Ti-49

MAT 2234 Total kinematic kerma (high limit) 22-Ti-49
 Cross Section -97.12 To 1127. %



MAT 2234 Dpa total (eV-barns) ²²Ti-49
 Cross Section -97.12 To 1127. %



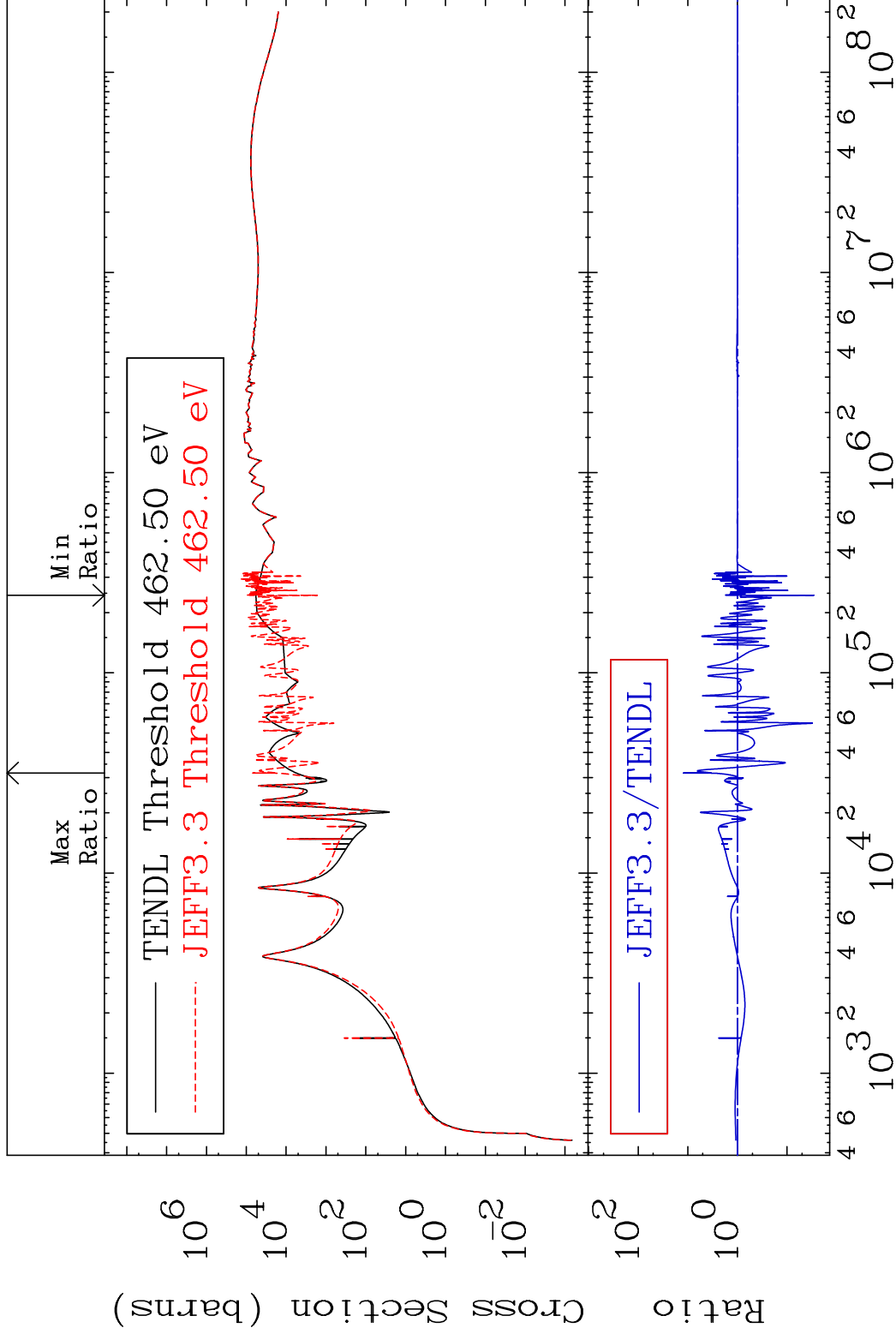
59 Incident Energy (eV) ²²Ti-49

MAT 2234

Dpa elastic (mt2)

22-Ti-49

Cross Section -97.12 To 1123. %

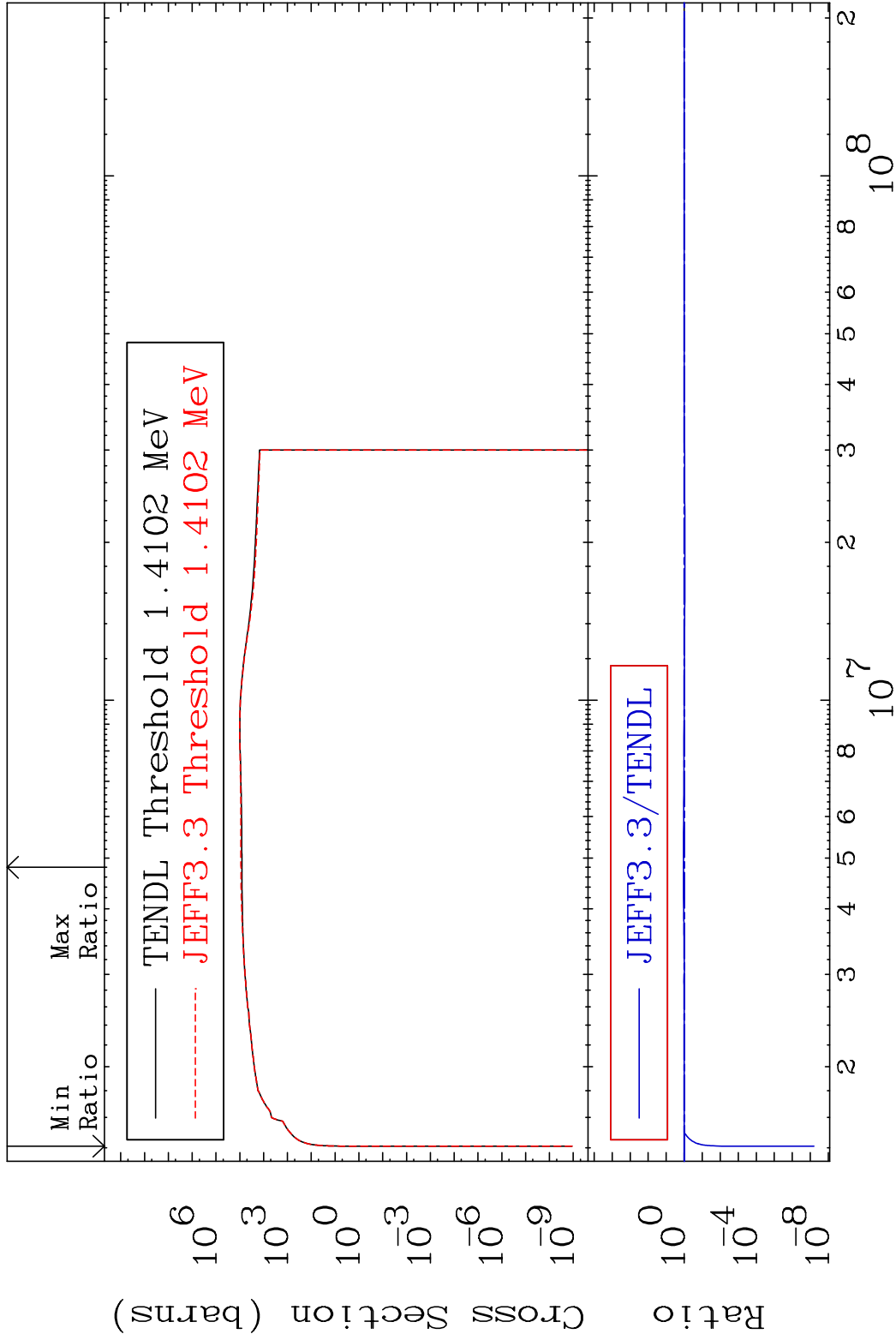


60

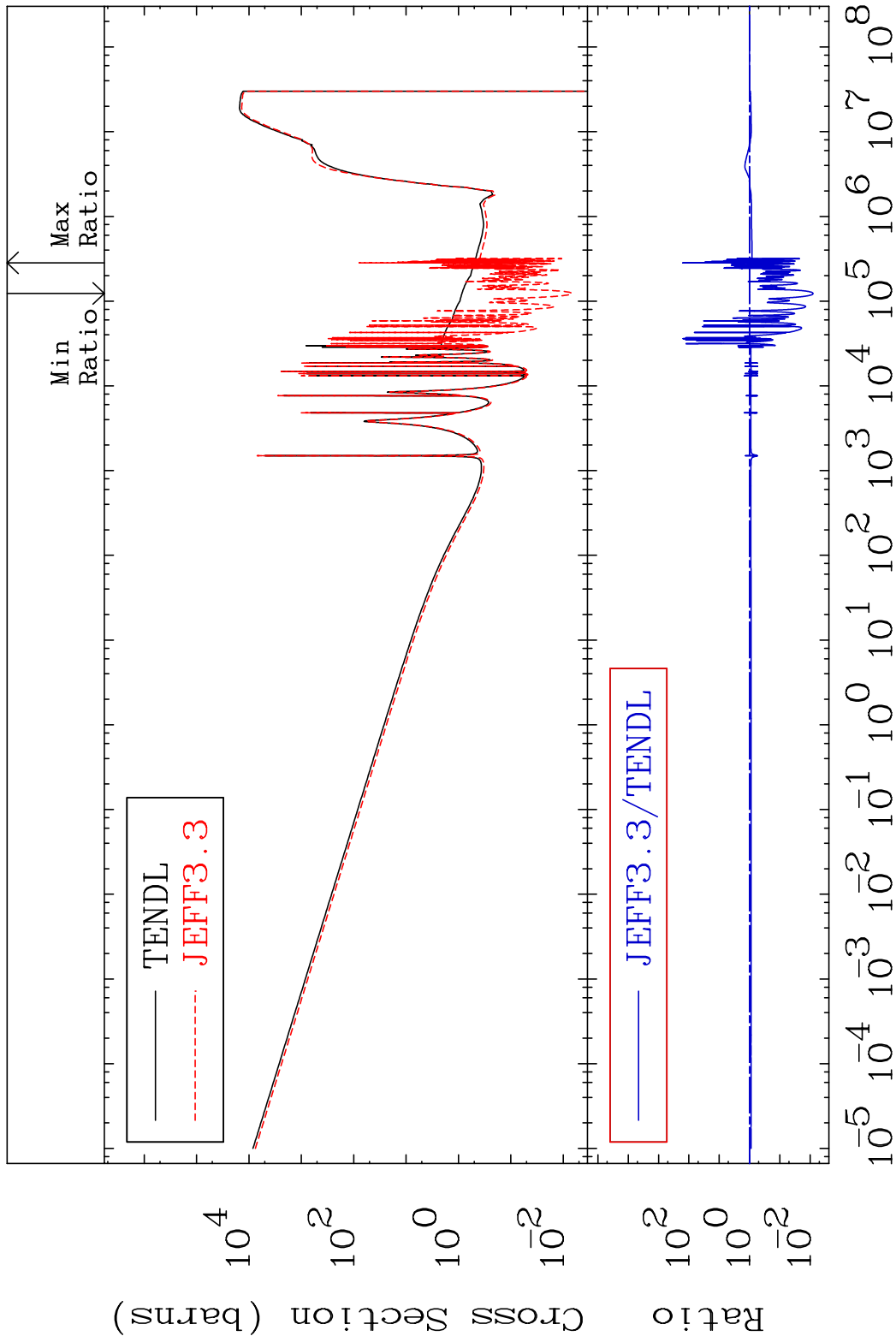
Incident Energy (eV)

22-Ti-49

MAT 2234 Dpa inelastic (mt51-91) ²²Ti-49
 Cross Section -100.0 To 9.998 %

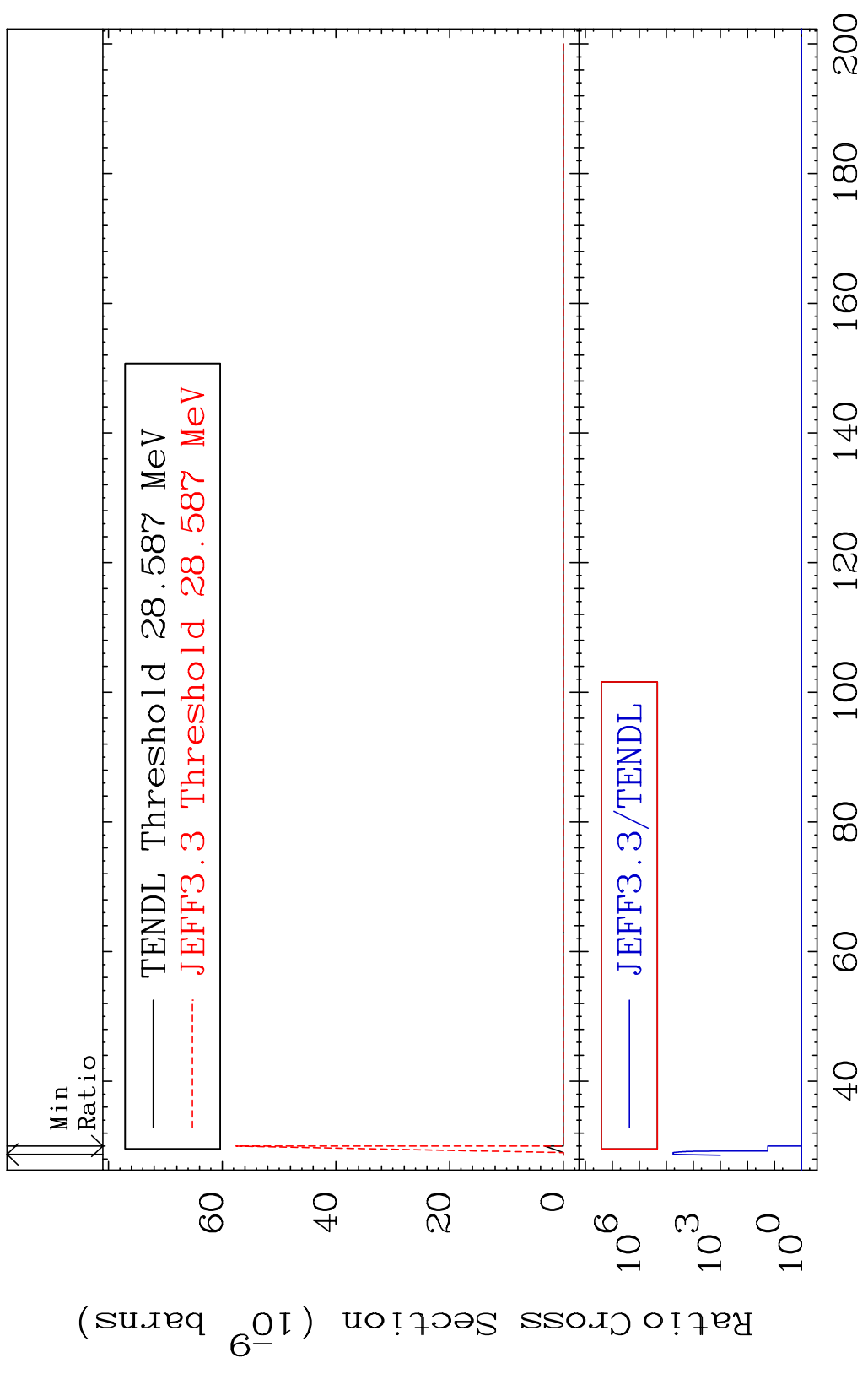


MAT 2234 Dpa disappearance (mt102 -120) 22-Ti-49
 Cross Section -99.19 To 9999. %



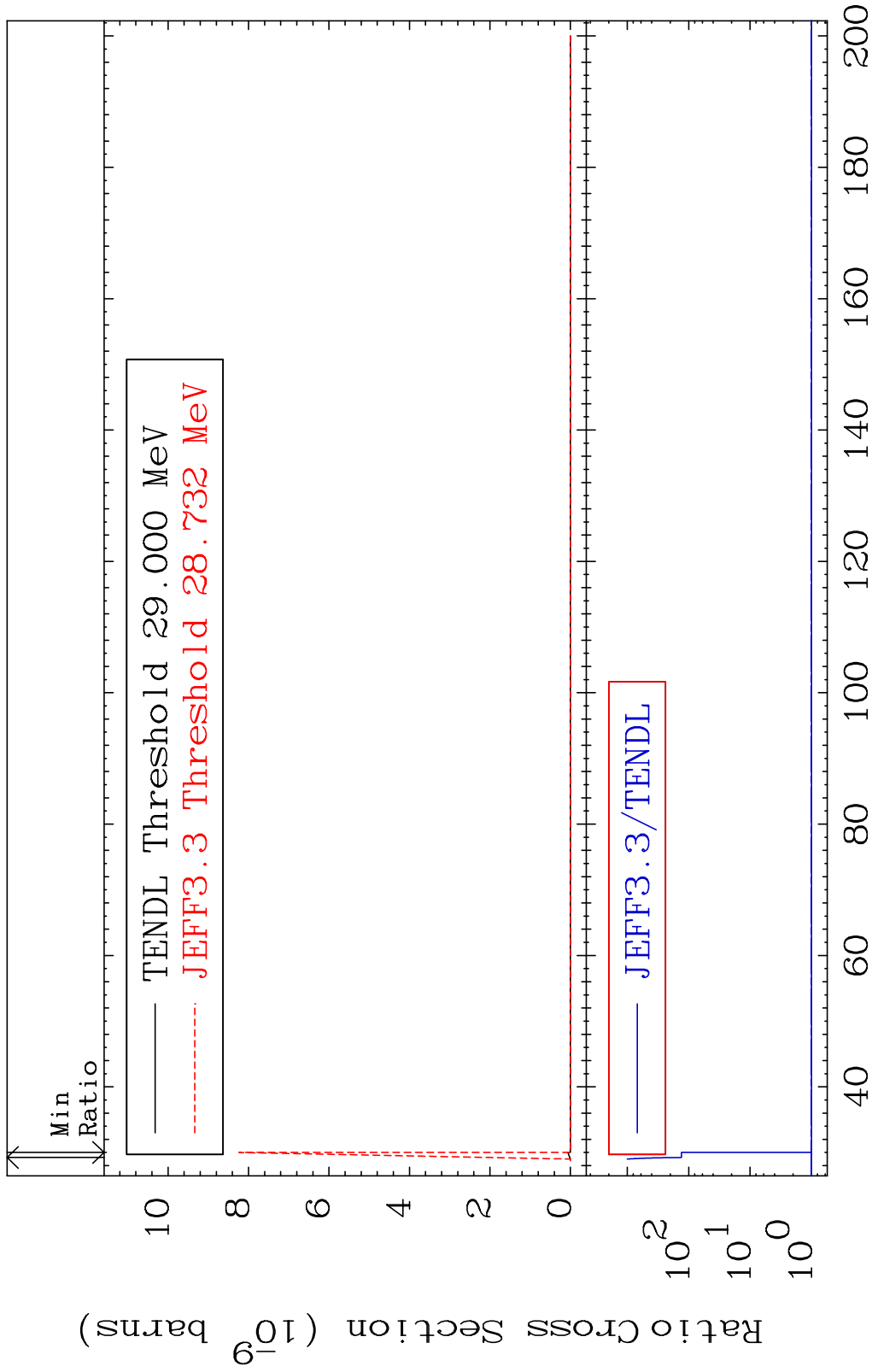
62 Incident Energy (eV) 22-Ti-49

MAT 2234 (n,2n) d:21-Sc-46g 22-Ti-49
 Radionuclide Production Cross Section 9999. %



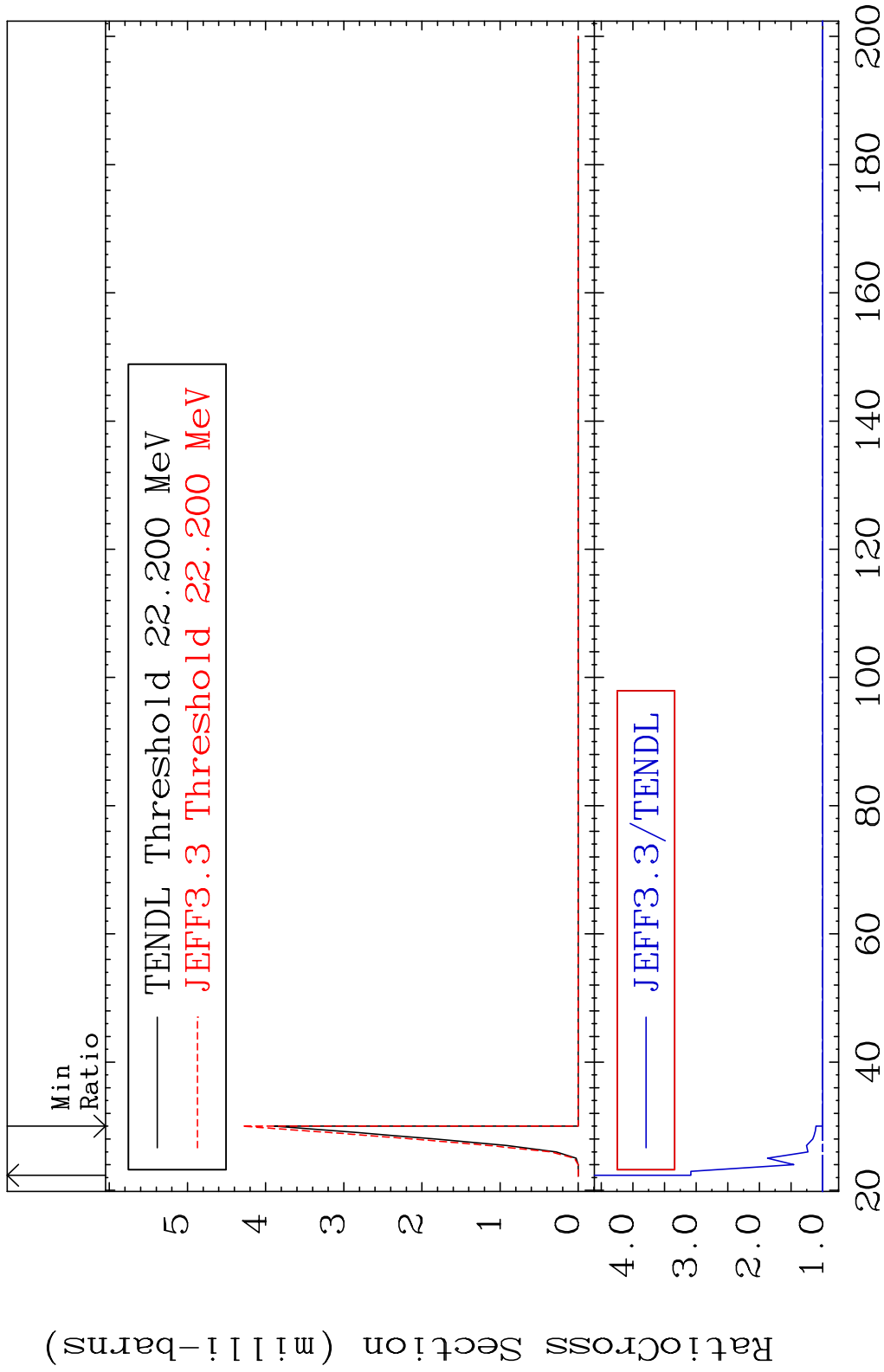
63 Incident Energy (MeV) 22-Ti-49

MAT 2234 (n,2n) d:21-Sc-46m2 22-Ti-49
 Radionuclide Production Cross Section 9999. %



64 Incident Energy (MeV) 22-Ti-49

MAT 2234 (n, n') t:21-Sc-46g 22-Ti-49
 Radionuclide Production Cross Section 208.4 %



65 Incident Energy (MeV) 22-Ti-49

MAT 2234 (n, n') t:21-Sc-46m2 22-Ti-49
 Radionuclide Production Cross Section 9037. %

