

Program Complot
(Version 2021-1)

by

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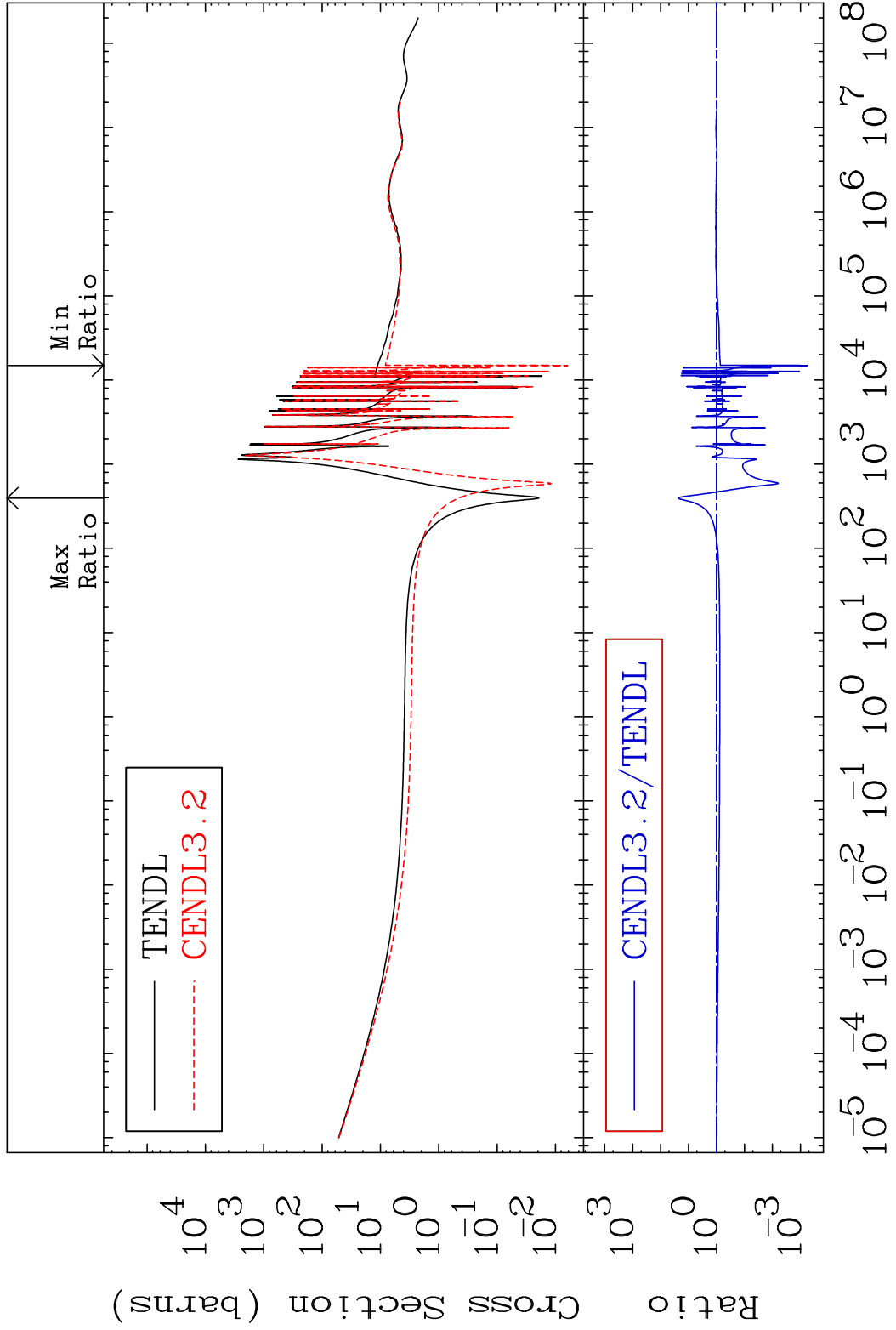
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5843 Total 58-Ce-142
 Cross Section -99.95 To 2234. %



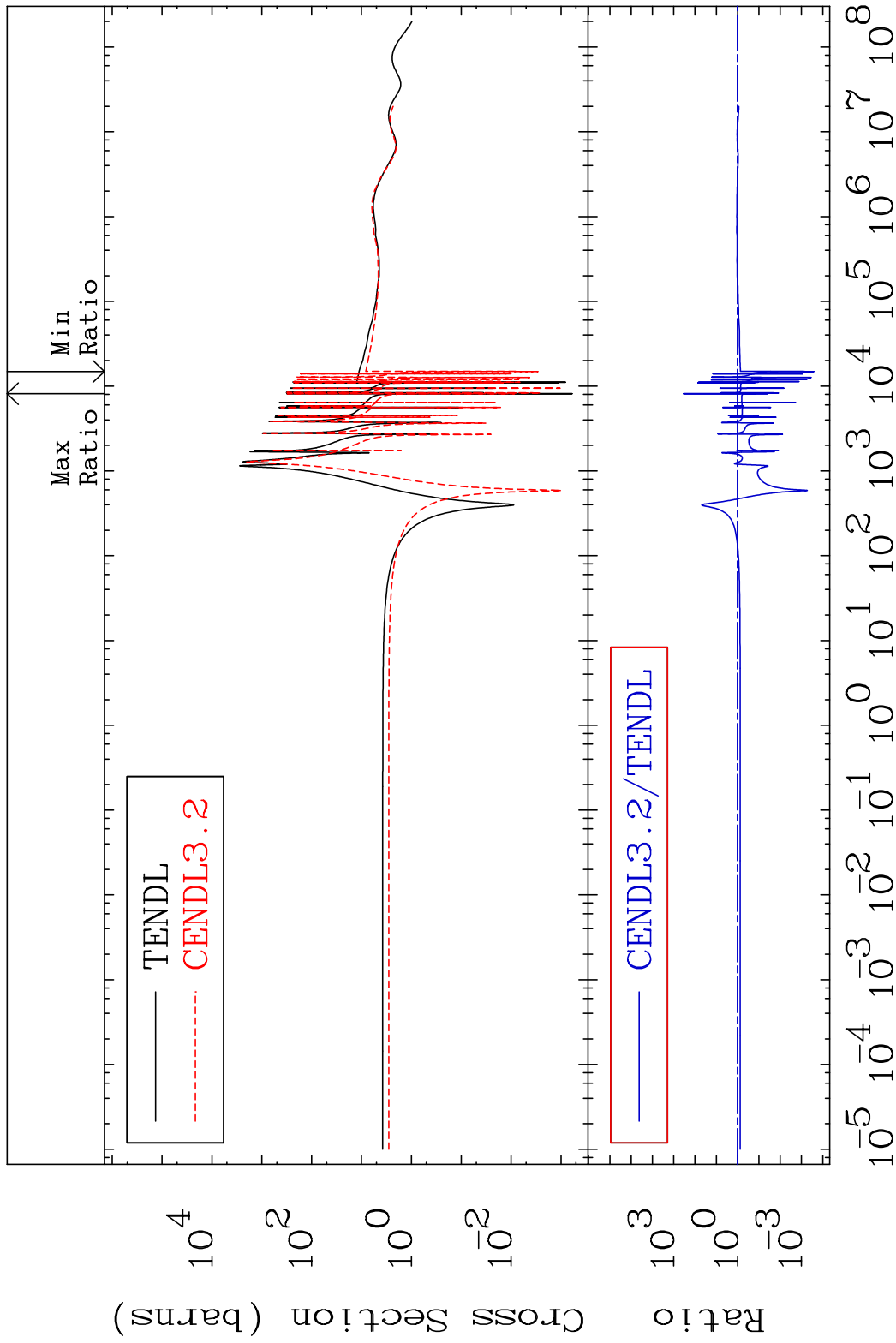
1 Incident Energy (eV) 58-Ce-142

MAT 5843

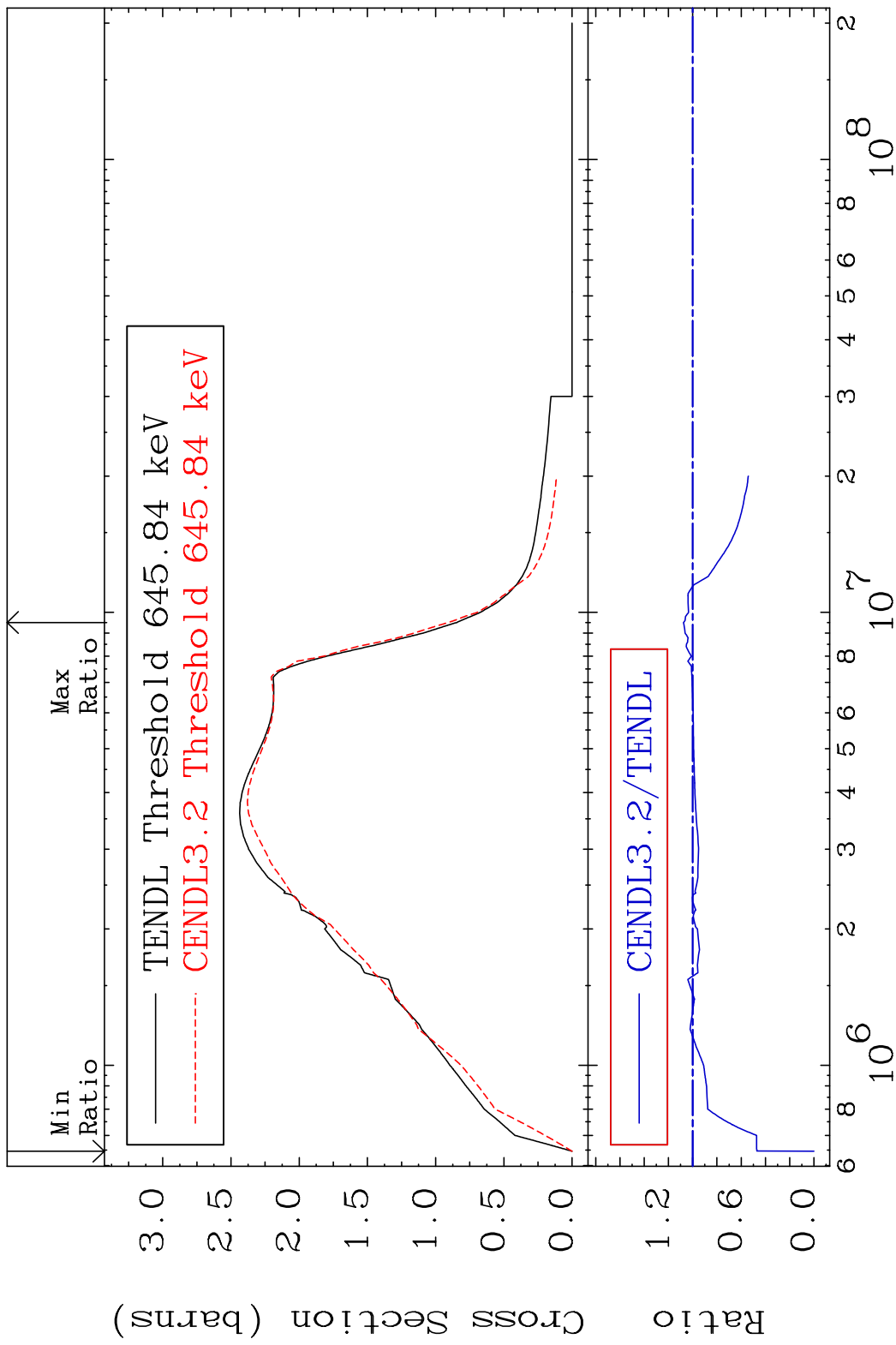
Elastic

58-Ce-142

Cross Section -99.97 To 9999. %

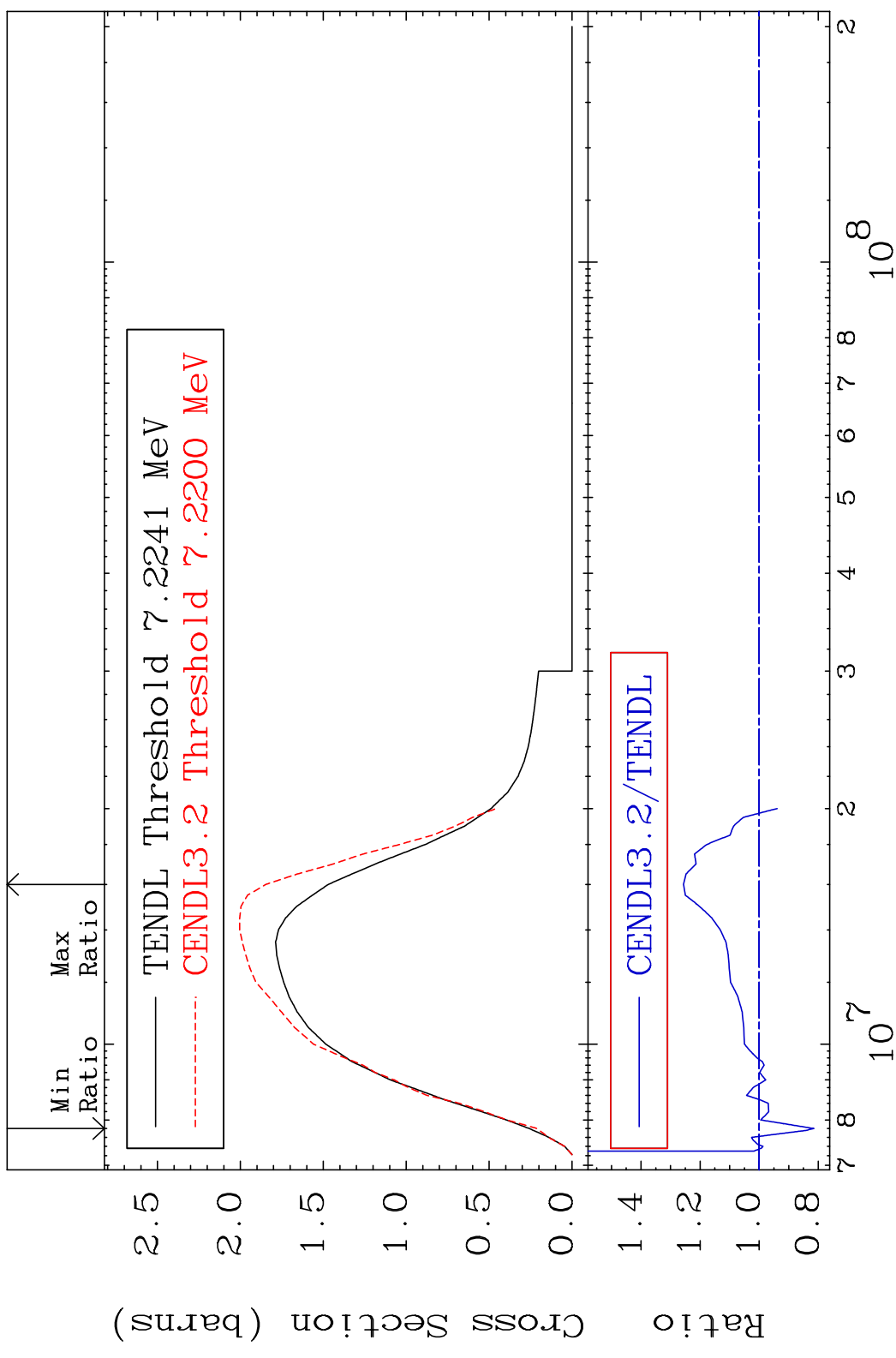


MAT 5843 Inelastic 58-Ce-142
 Cross Section -100.0 To 7.650 %



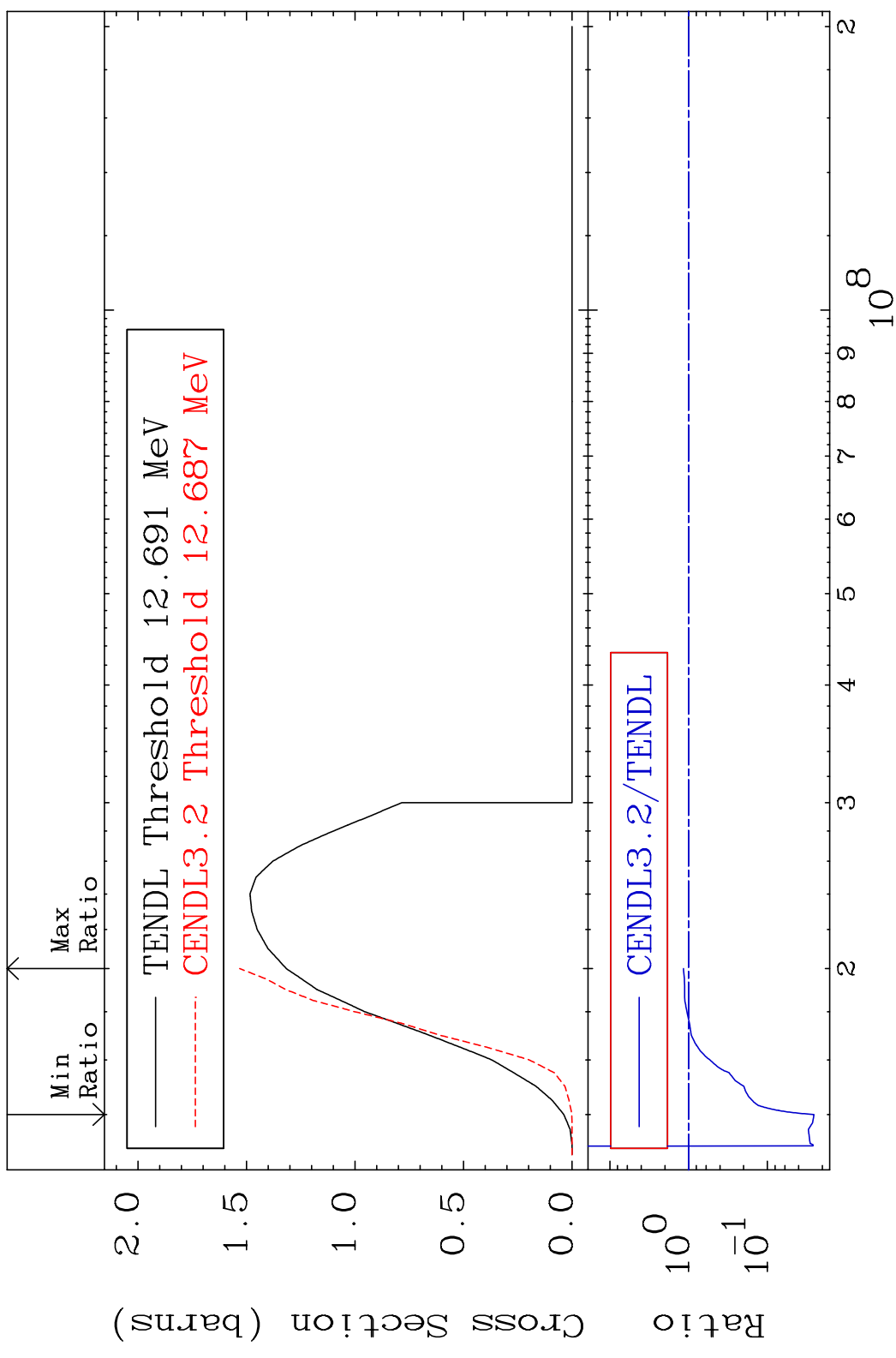
3 Incident Energy (eV) 58-Ce-142

MAT 5843 (n,2n) 58-Ce-142
 Cross Section -18.53 To 25.63 %



4 Incident Energy (eV) 58-Ce-142

MAT 5843 (n,3n) 58-Ce-142
 Cross Section -97.43 To 16.29 %

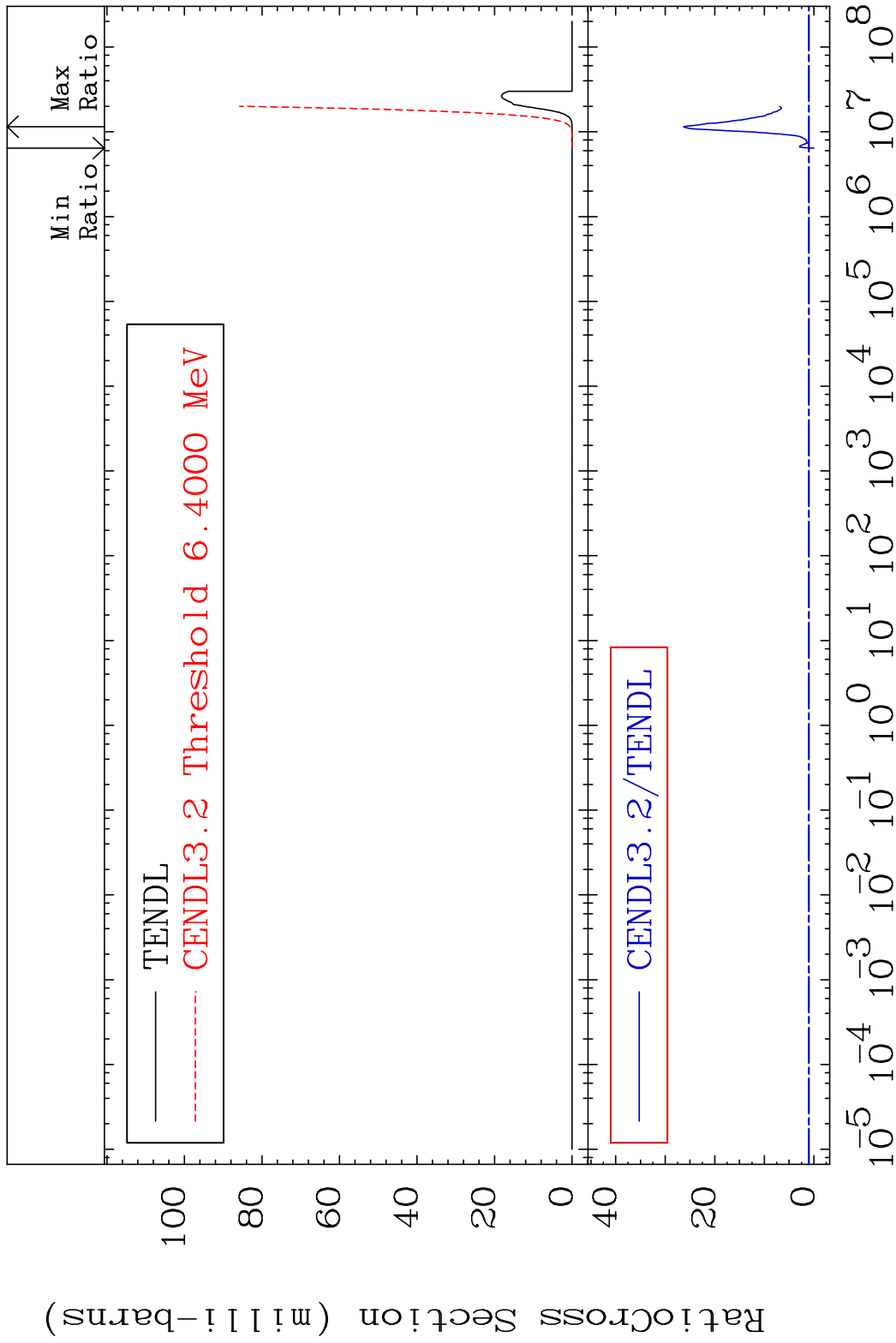


MAT 5843

(n, n') α

58-Ce-142

Cross Section -100.0 To 2532. %

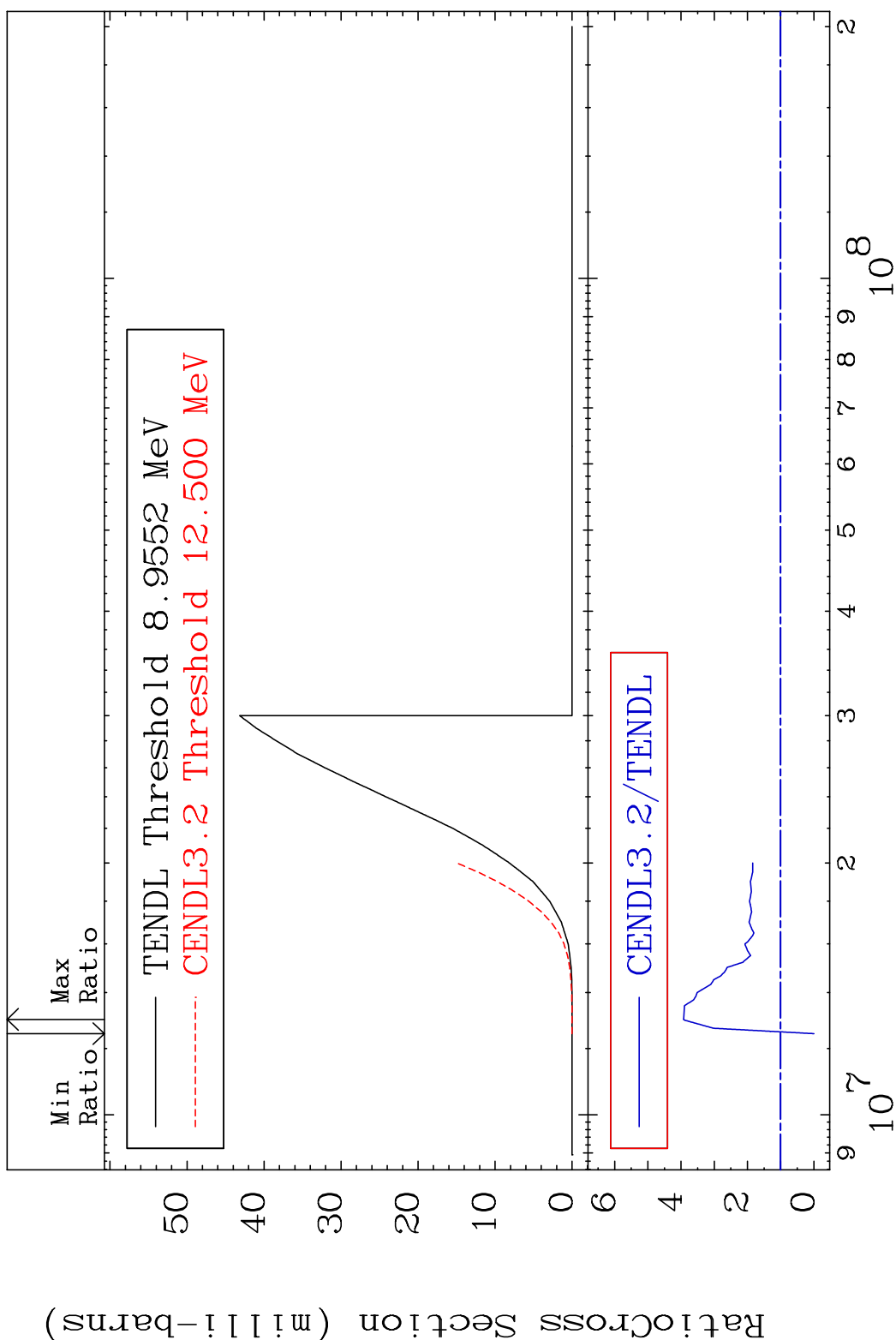


6

Incident Energy (eV)

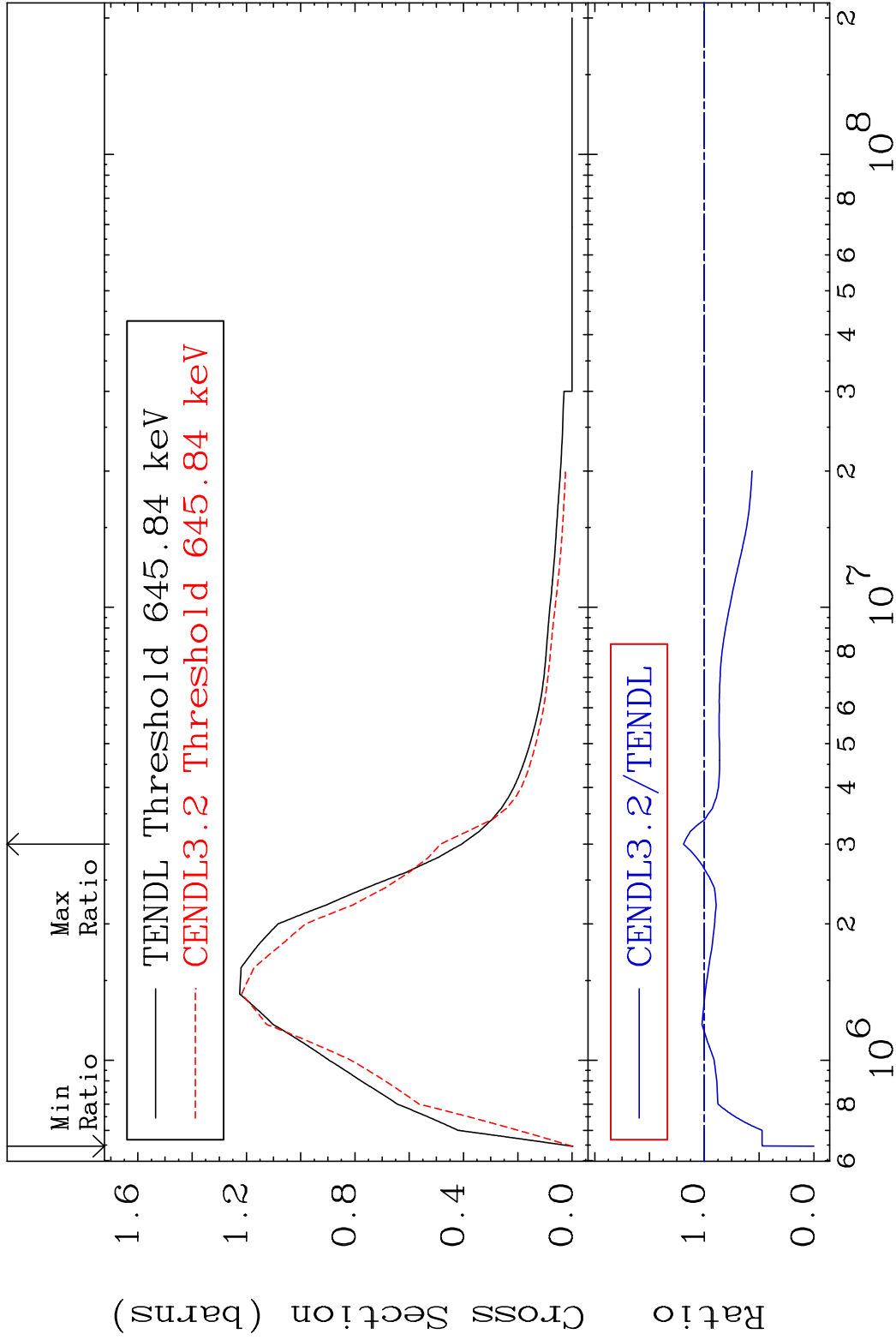
58-Ce-142

MAT 5843 (n, n') p 58-Ce-142
 Cross Section -100.0 To 292.8 %



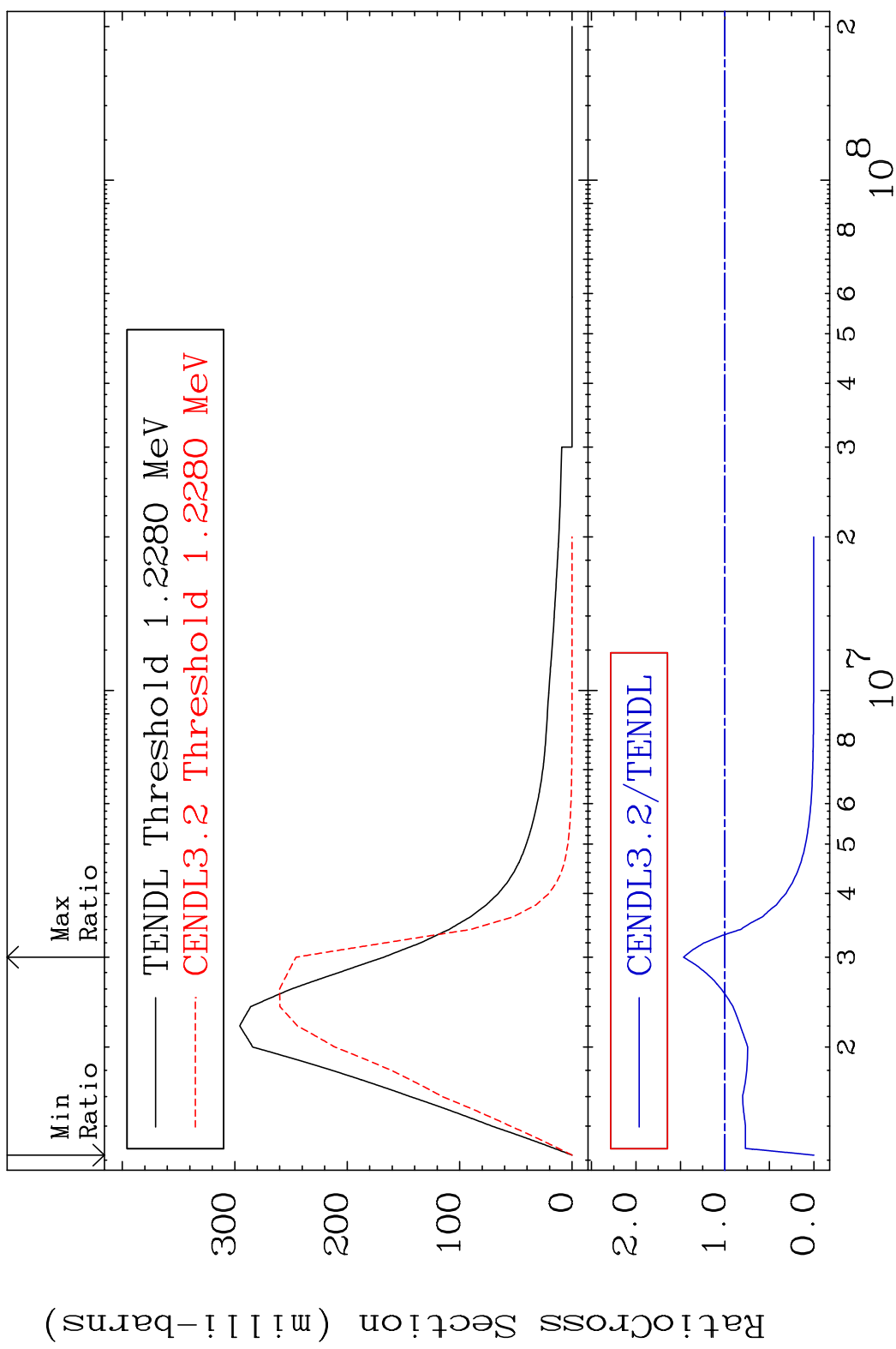
7 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 51 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 19.04 %

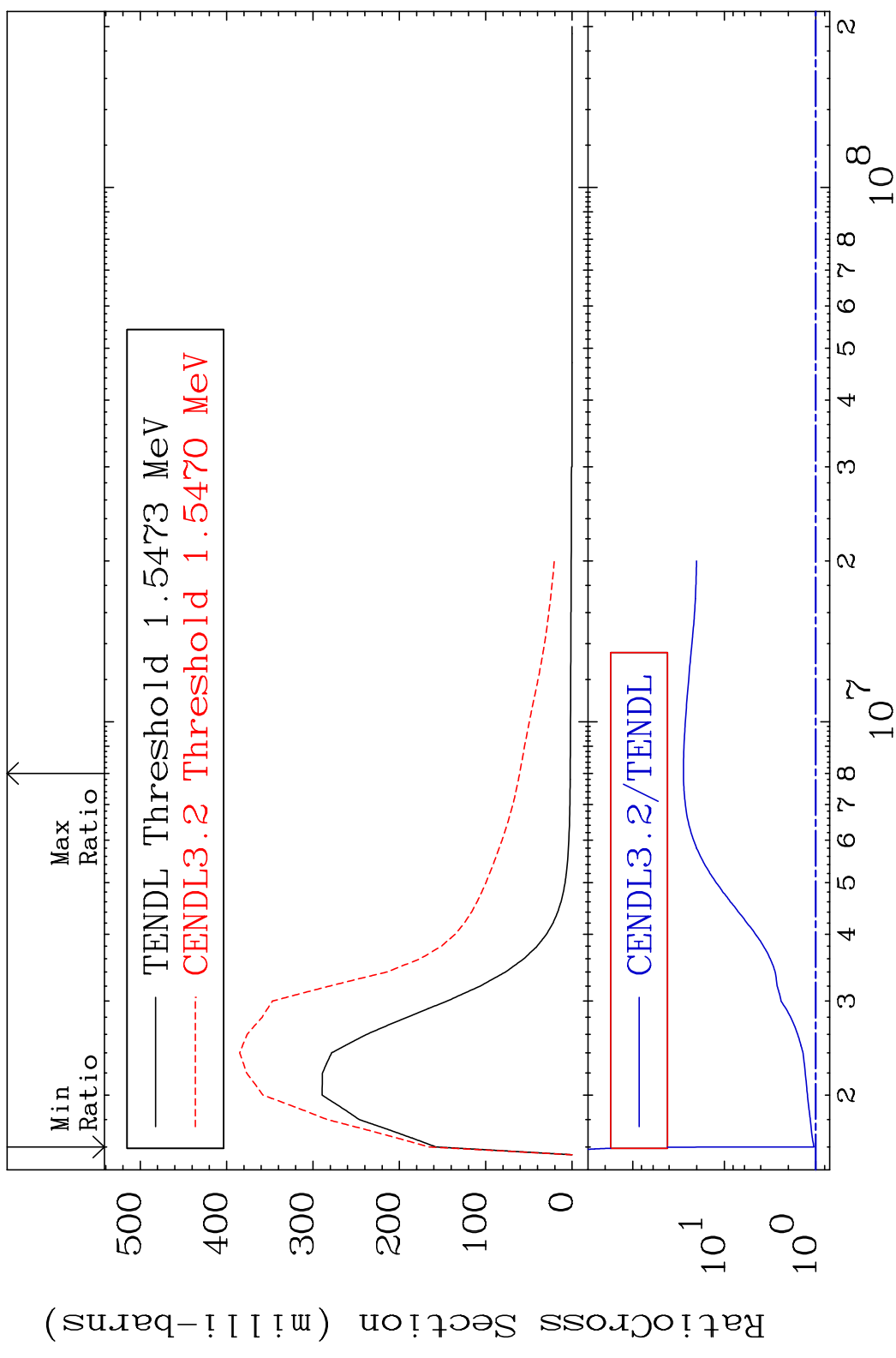


8 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 52 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 46.60 %

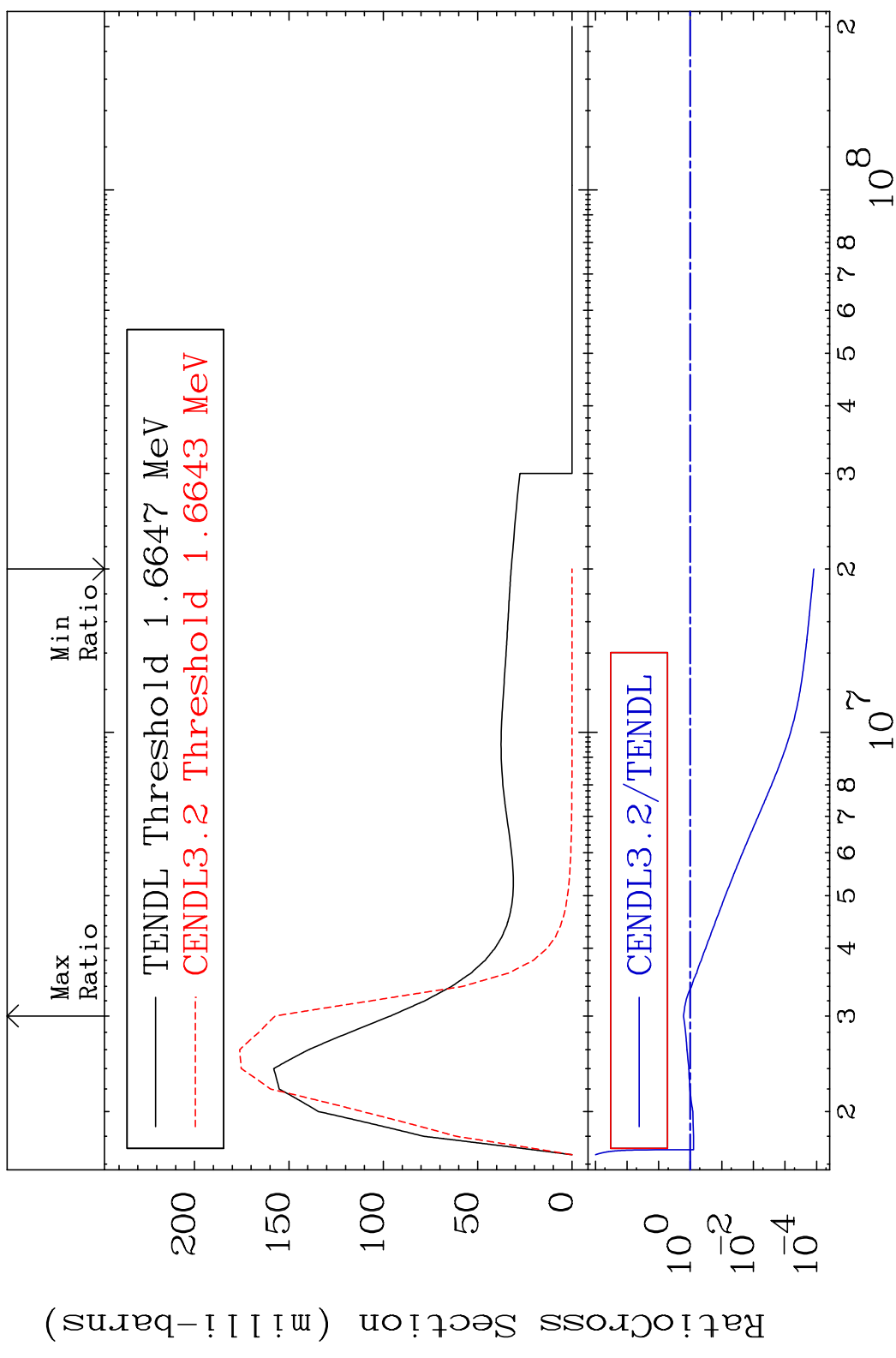


MAT 5843 MT= 53 (n, n') Level 58-Ce-142
 Cross Section 5.121 To 2690. %



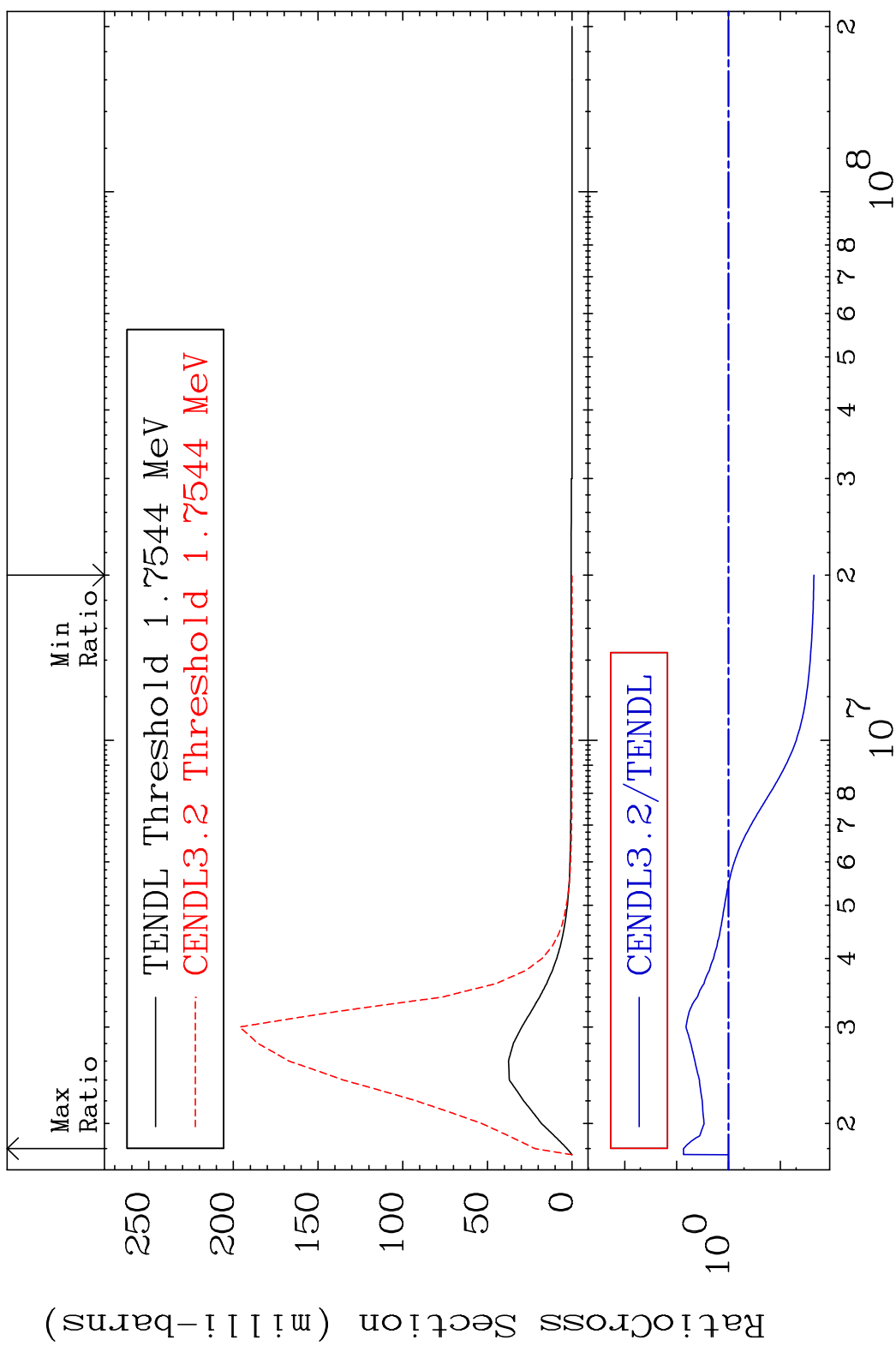
10 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 54 (n, n') Level 58-Ce-142
 Cross Section -99.99 To 63.71 %



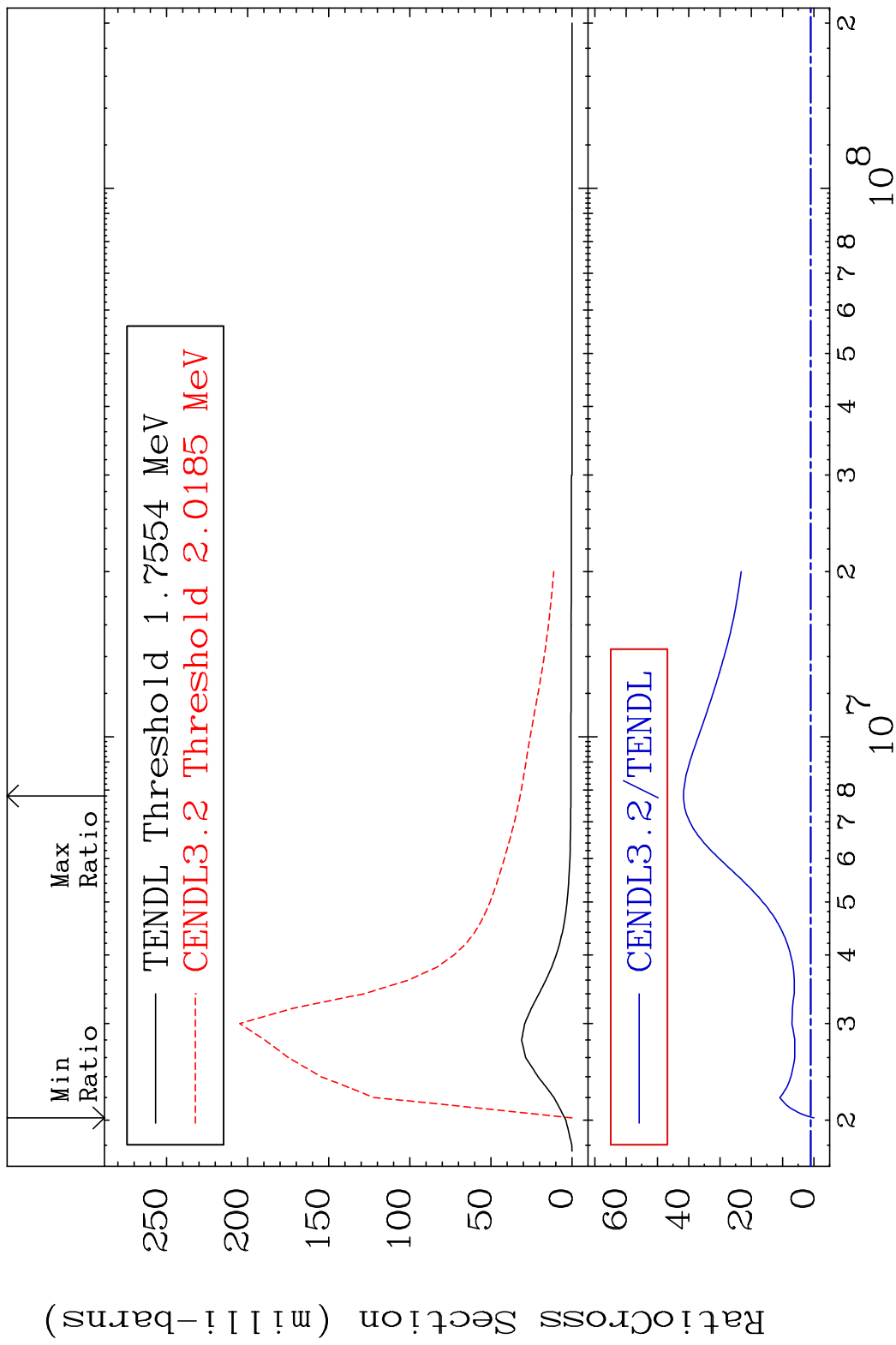
11 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 55 (n, n') Level 58-Ce-142
 Cross Section -97.74 To 639.1 %



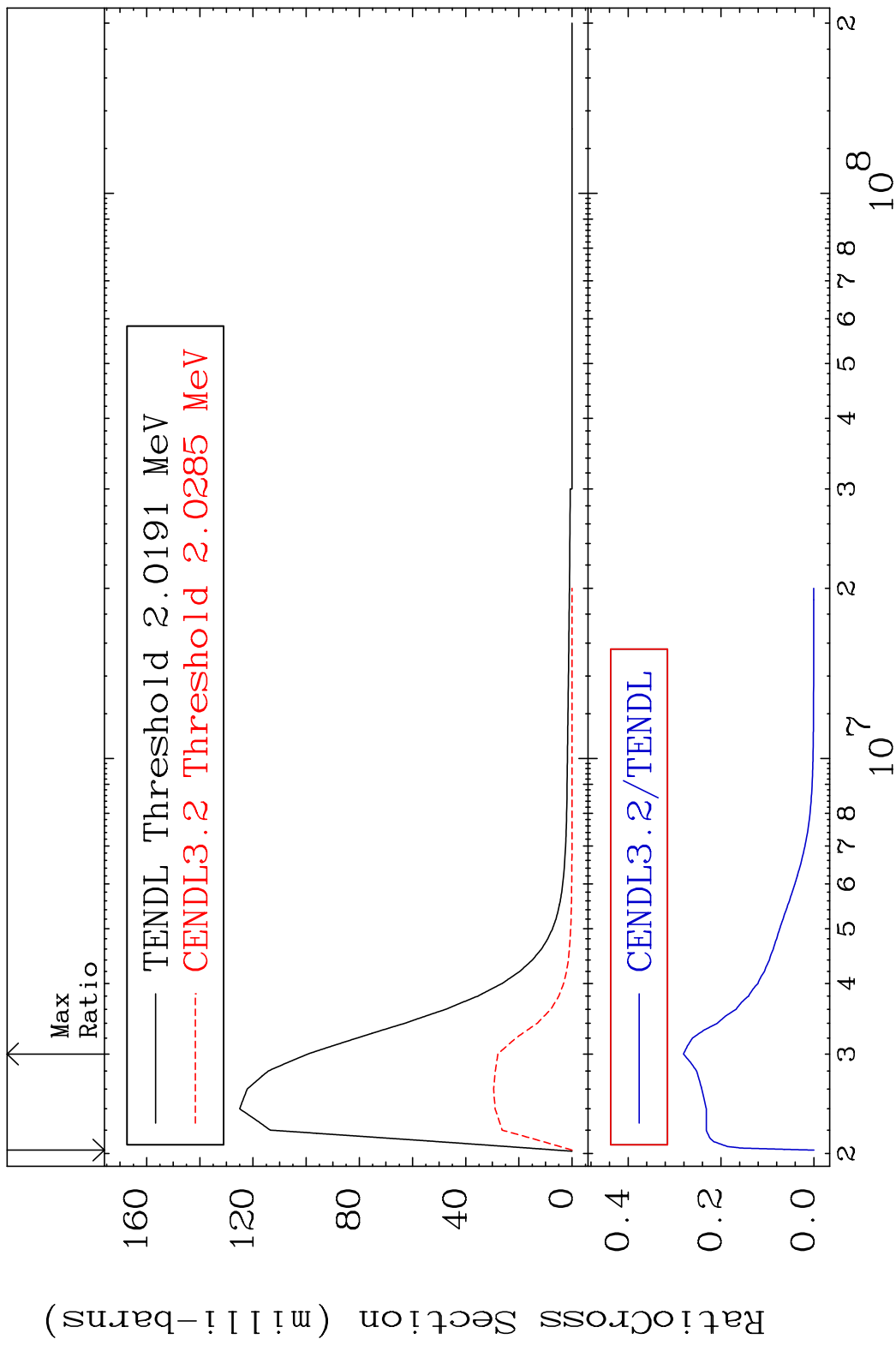
12 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 56 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 4067. %



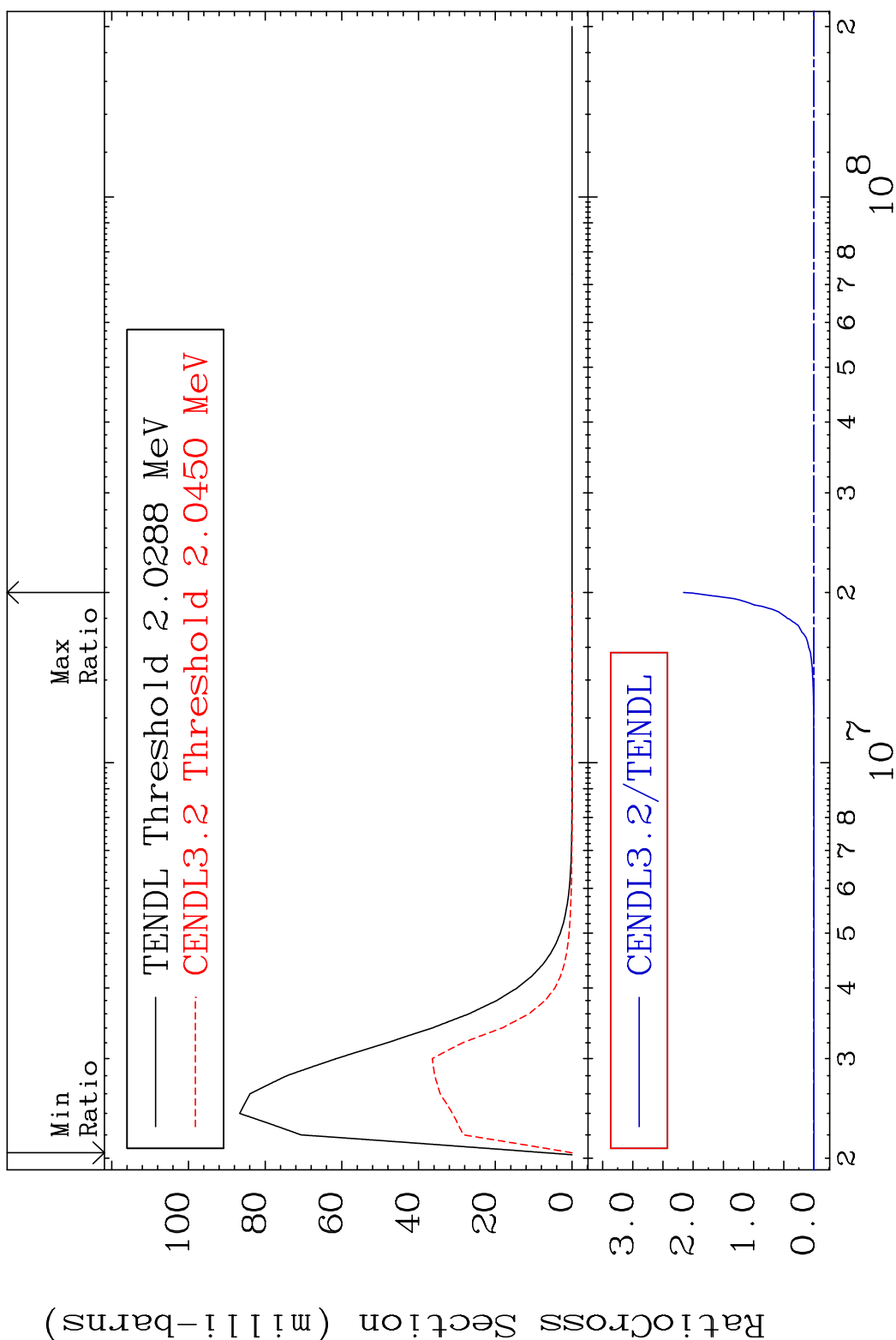
13 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 57 (n, n') Level 58-Ce-142
 Cross Section -100.0 To -71.92%



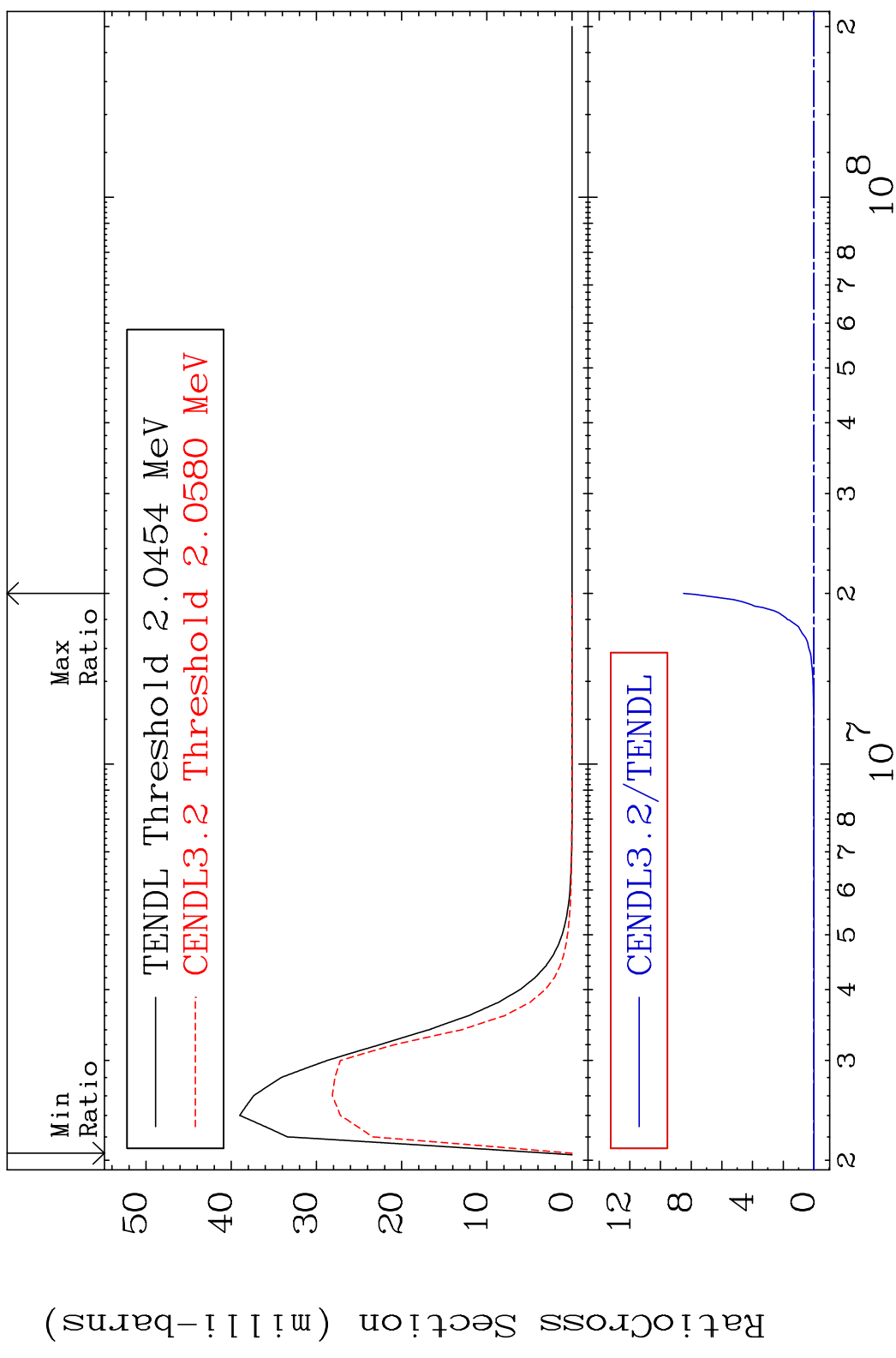
14 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 58 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 9999. %



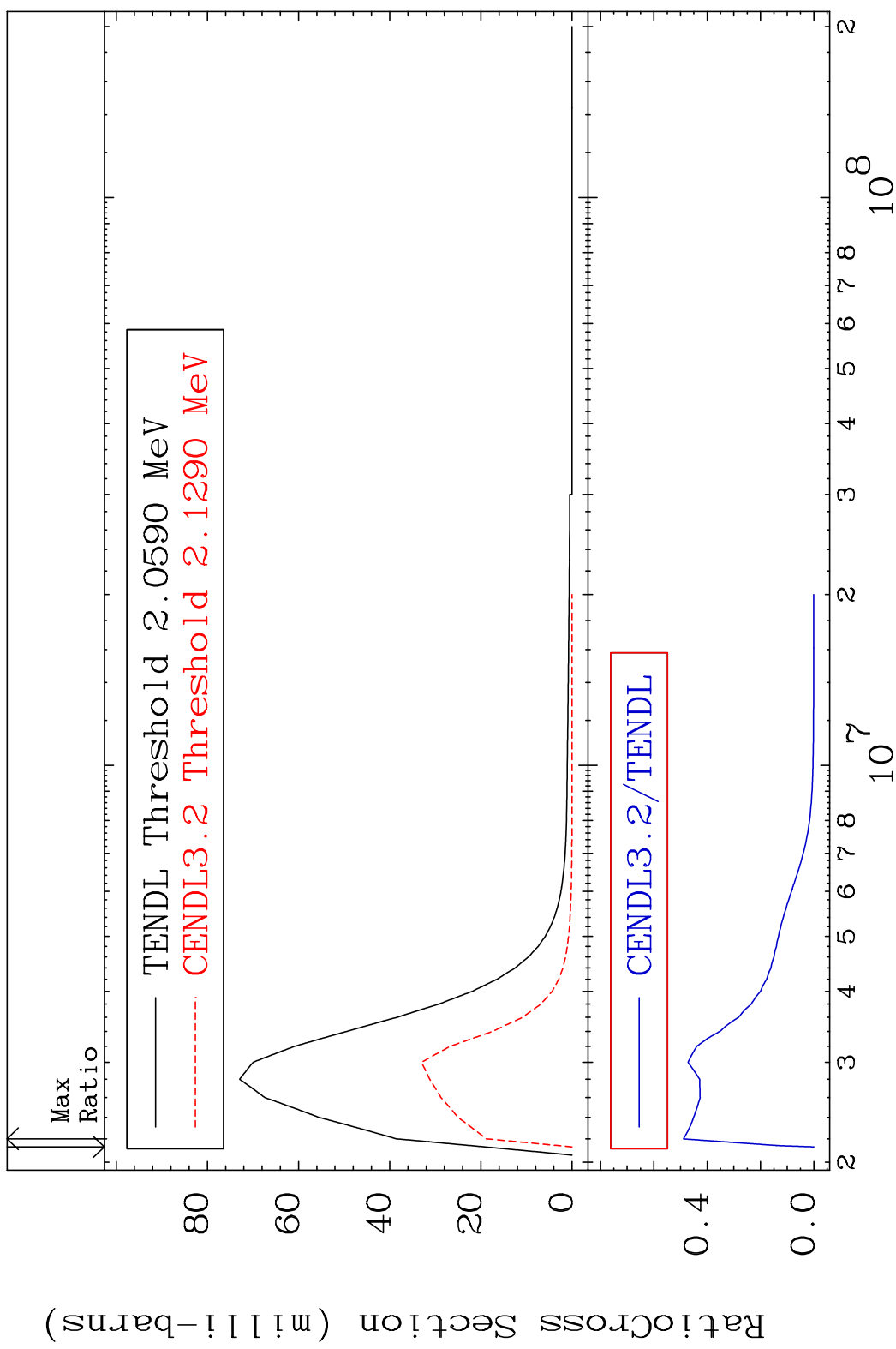
15 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 59 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 9999. %



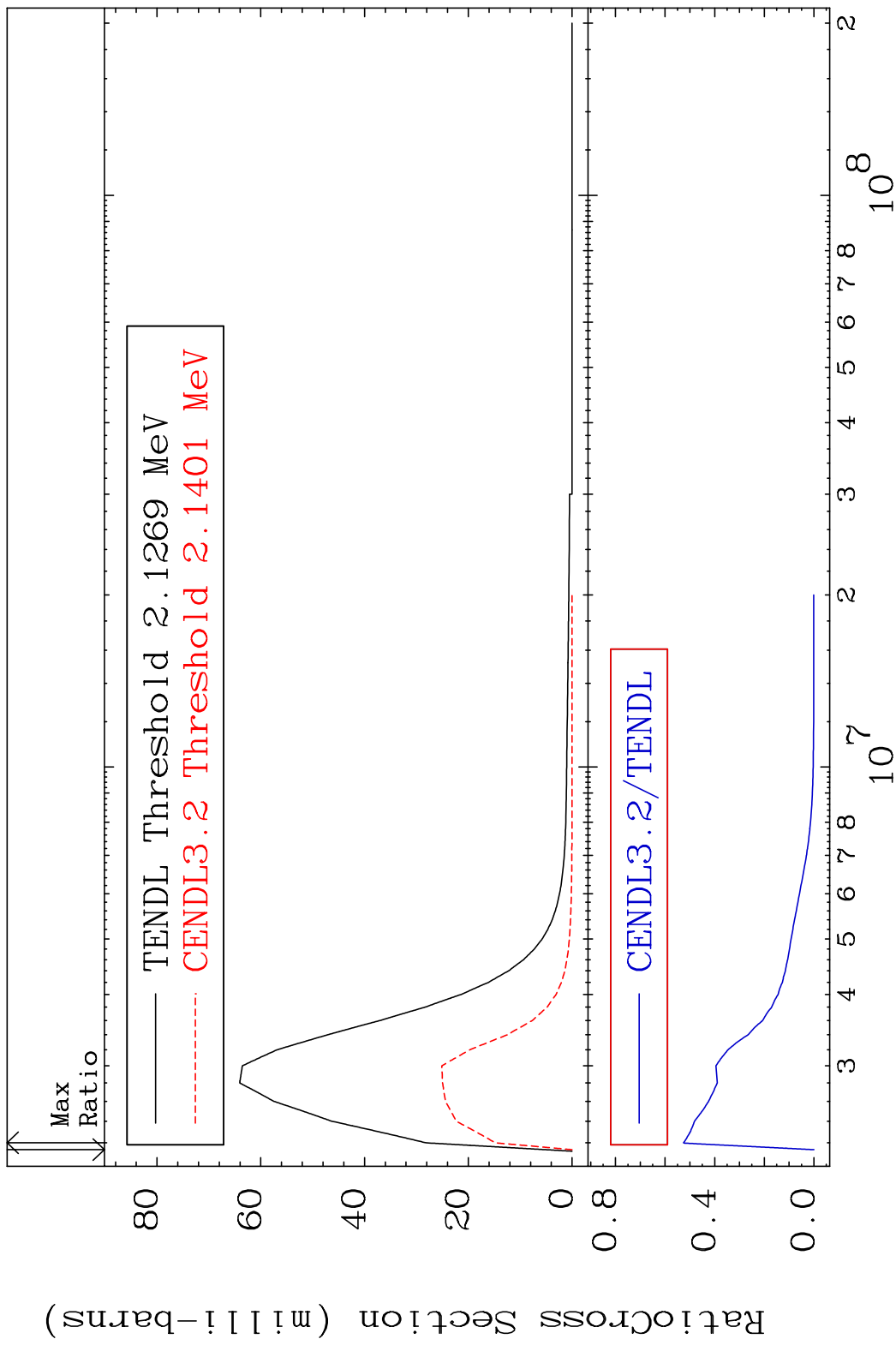
16 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 60 (n, n') Level 58-Ce-142
 Cross Section -100.0 To -51.10%



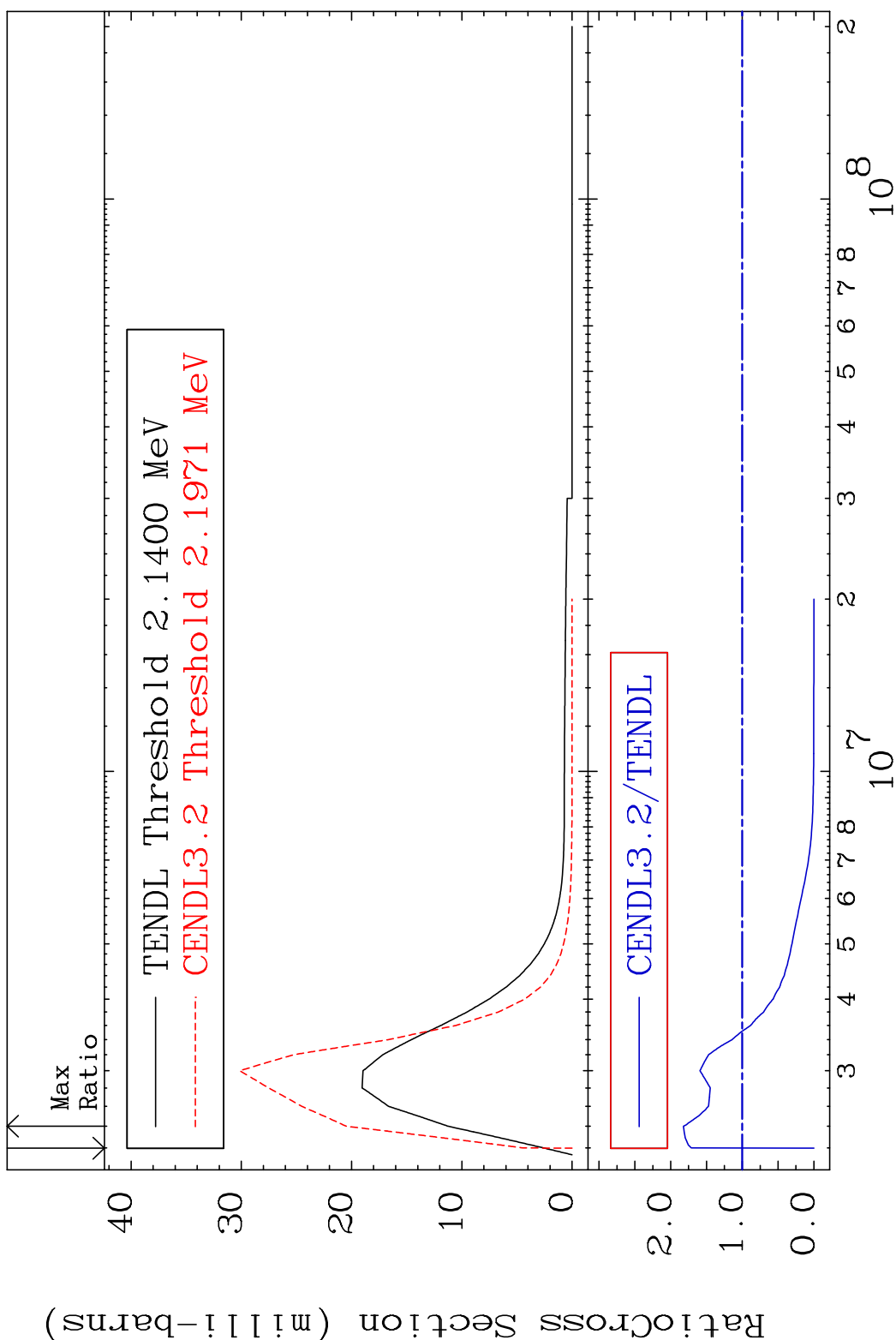
17 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 61 (n, n') Level 58-Ce-142
 Cross Section -100.0 To -47.41%



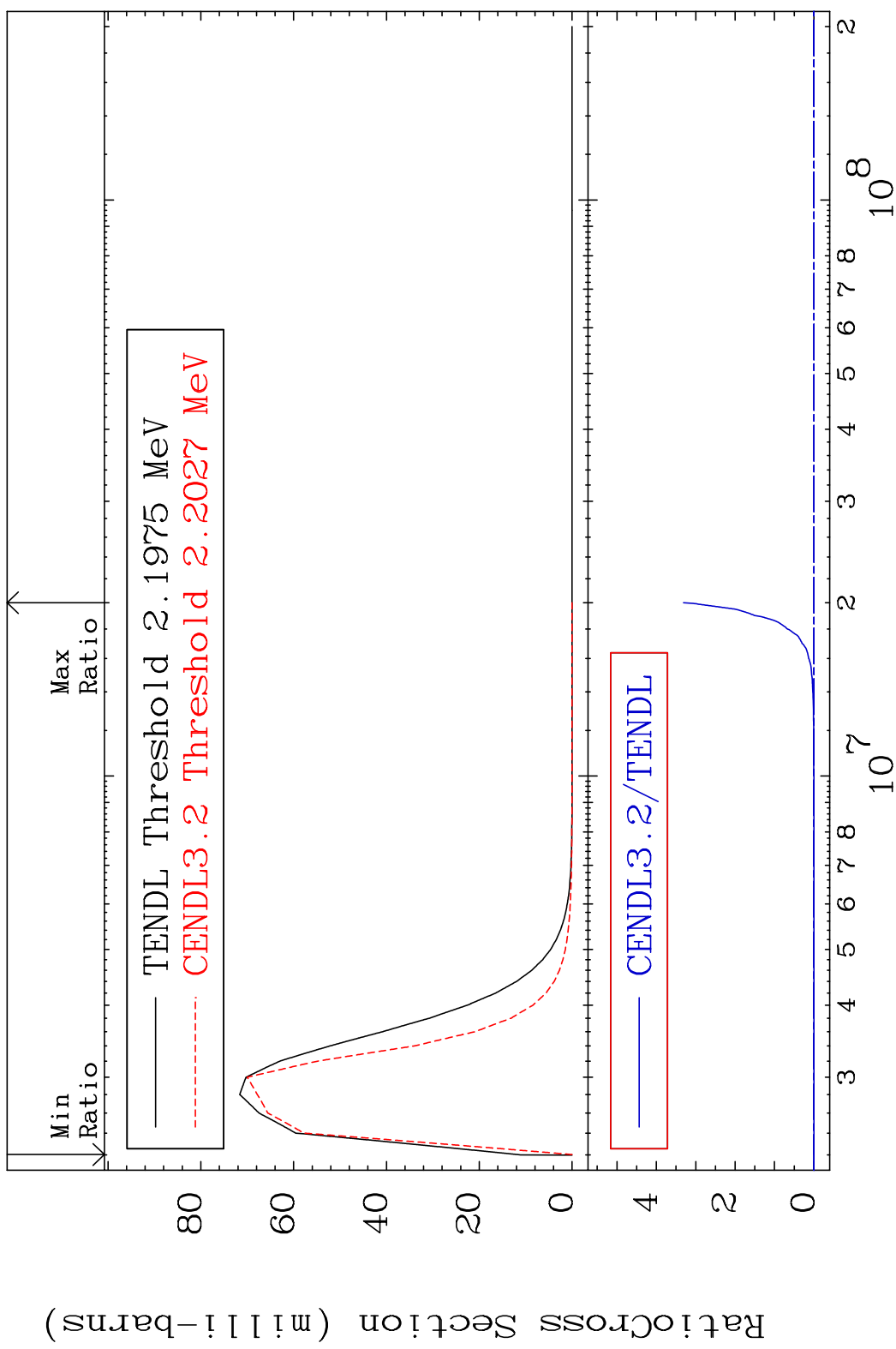
18 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 62 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 82.15 %



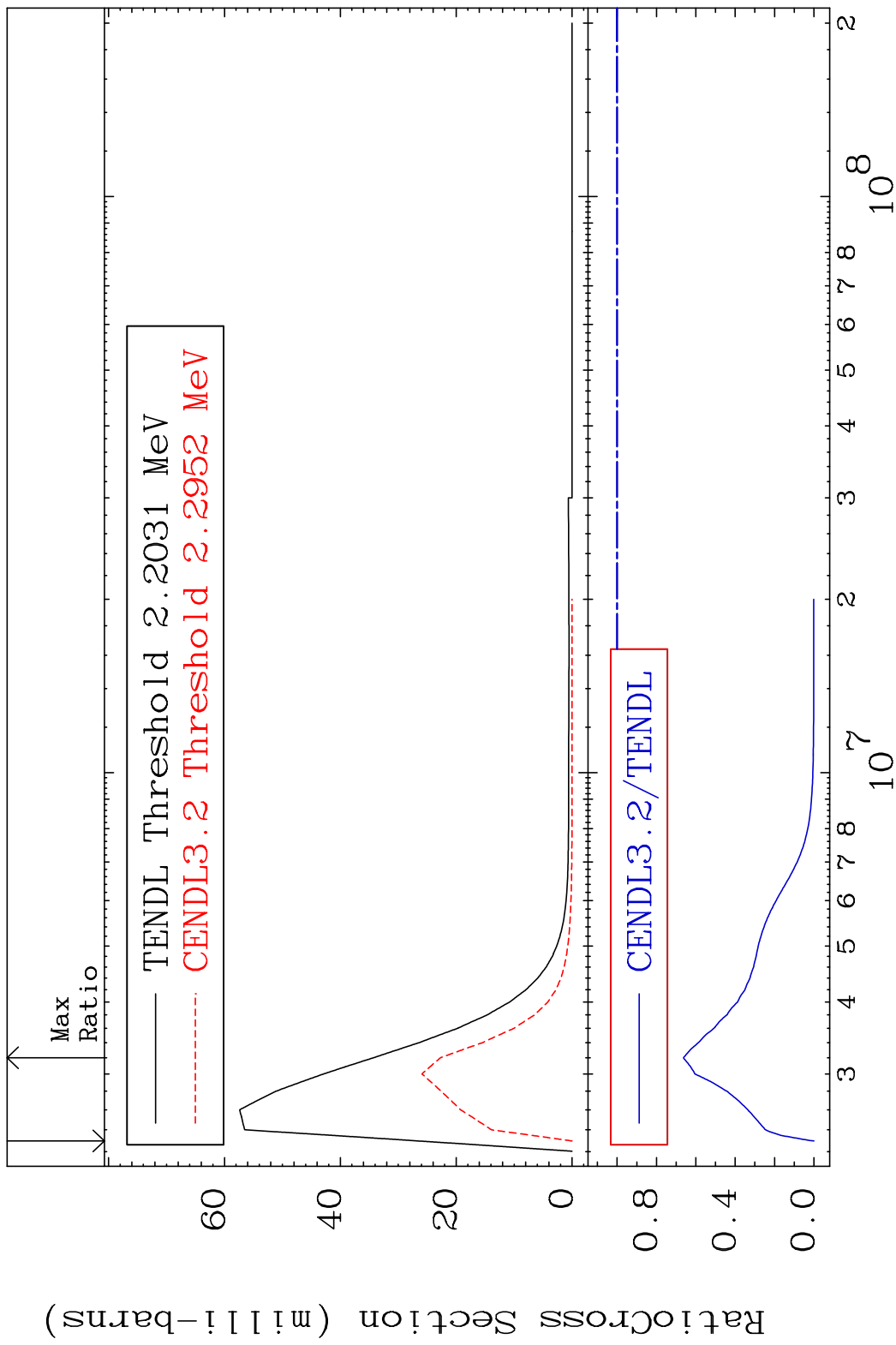
19 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 63 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 9999. %



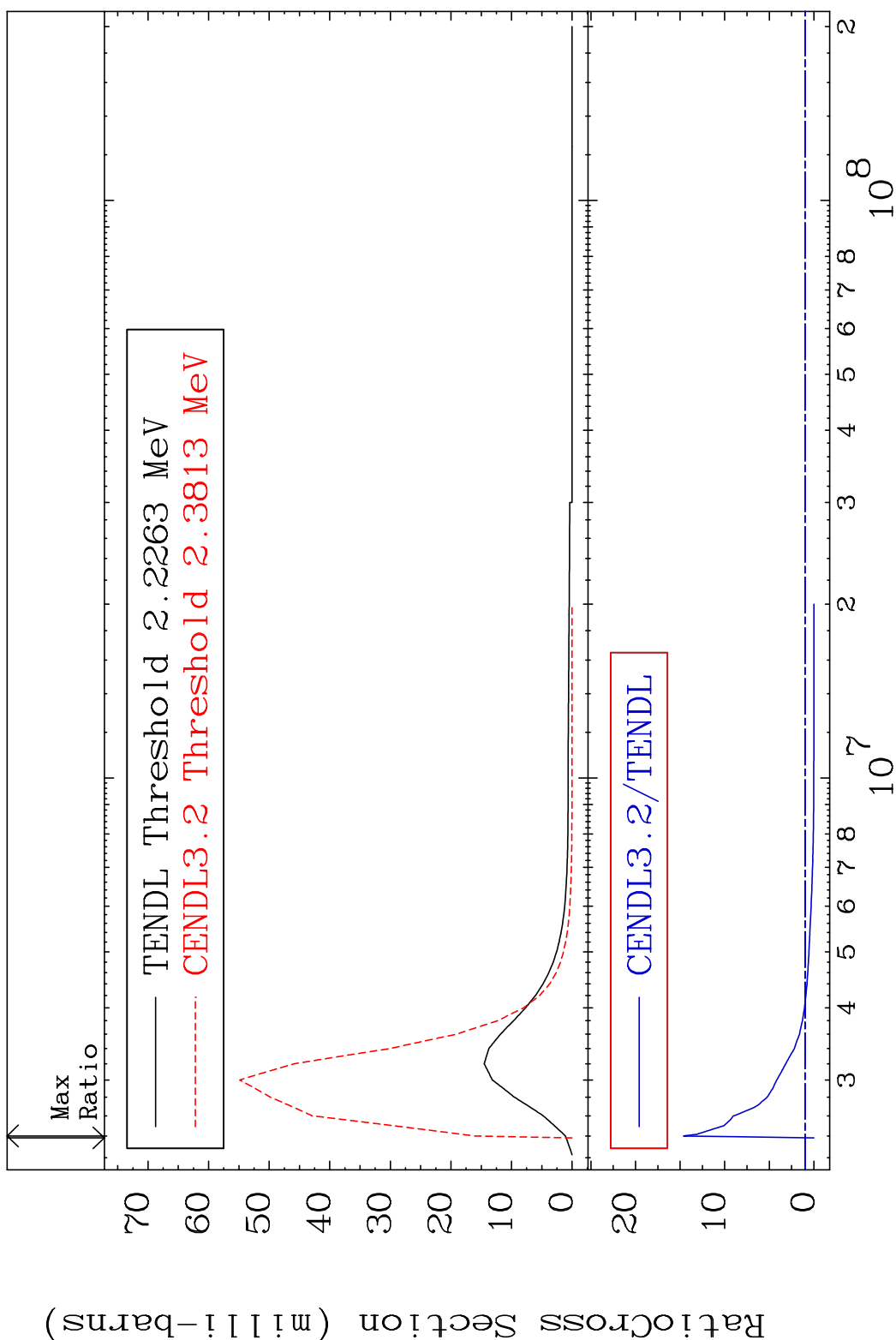
20 58-Ce-142

MAT 5843 MT= 64 (n, n') Level 58-Ce-142
 Cross Section -100.0 To -33.71%

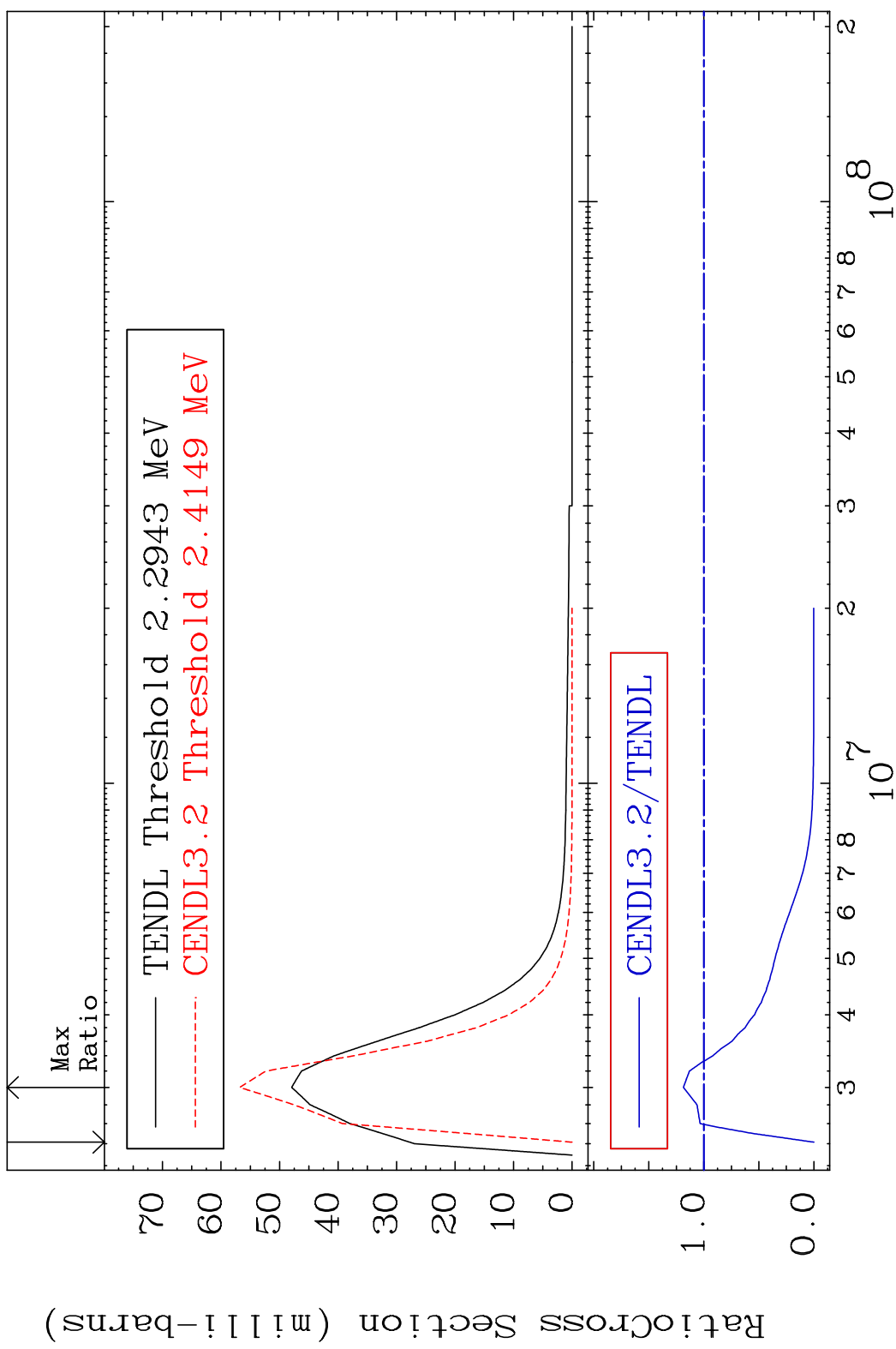


21 Incident Energy (eV) 58-Ce-142

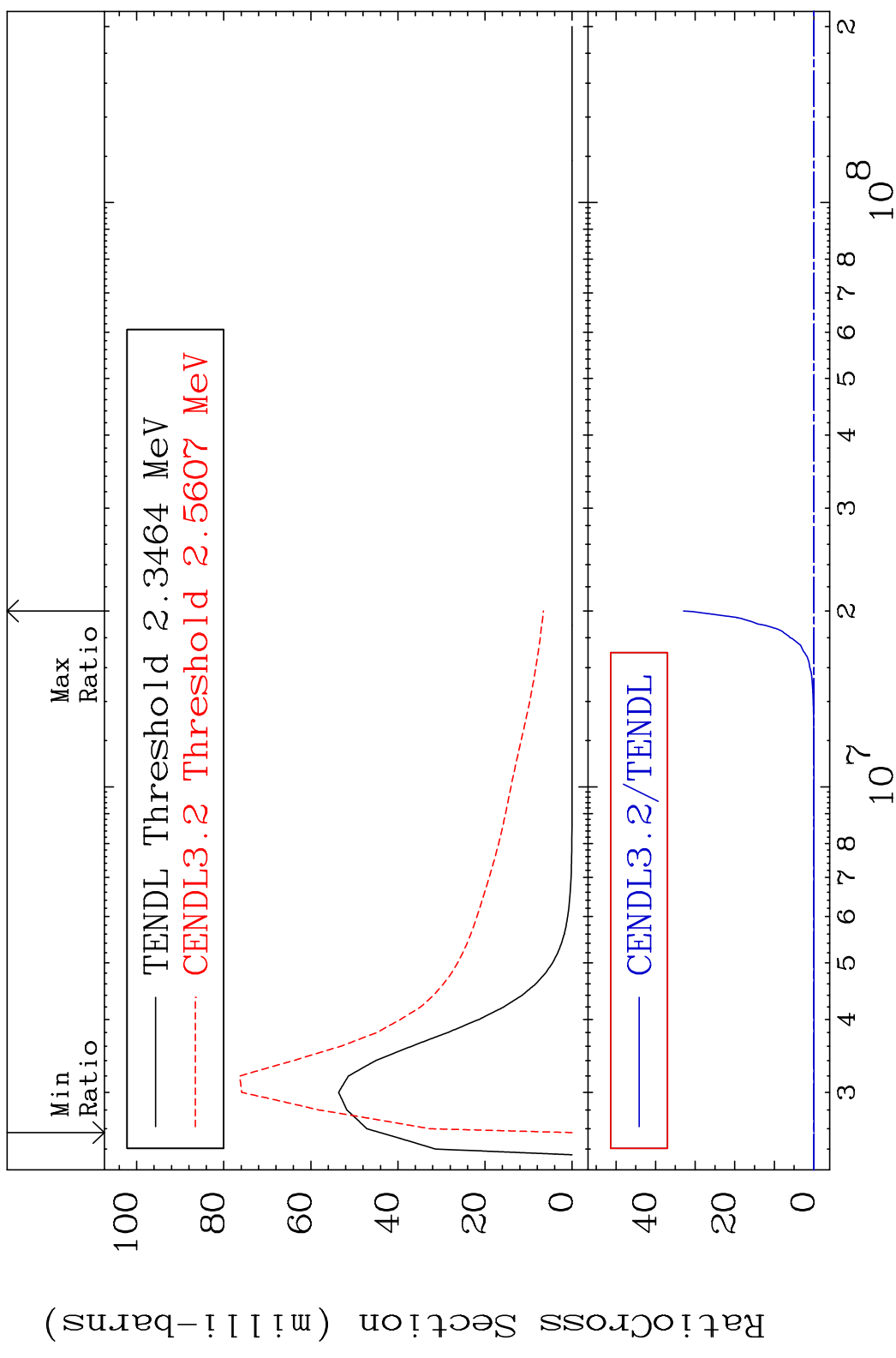
MAT 5843 MT= 65 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 1362. %



MAT 5843 MT= 66 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 18.53 %

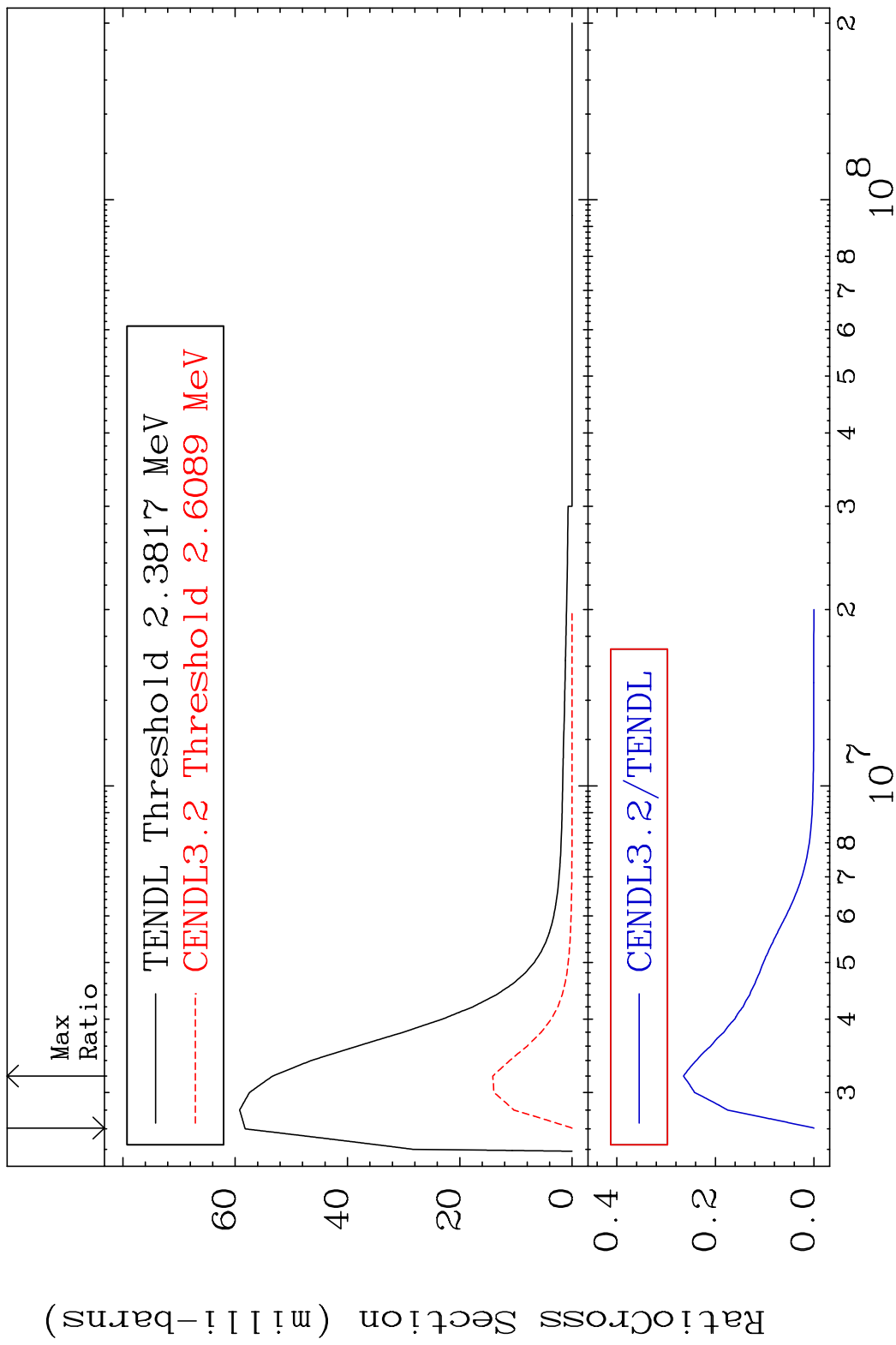


MAT 5843 MT= 67 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 9999. %



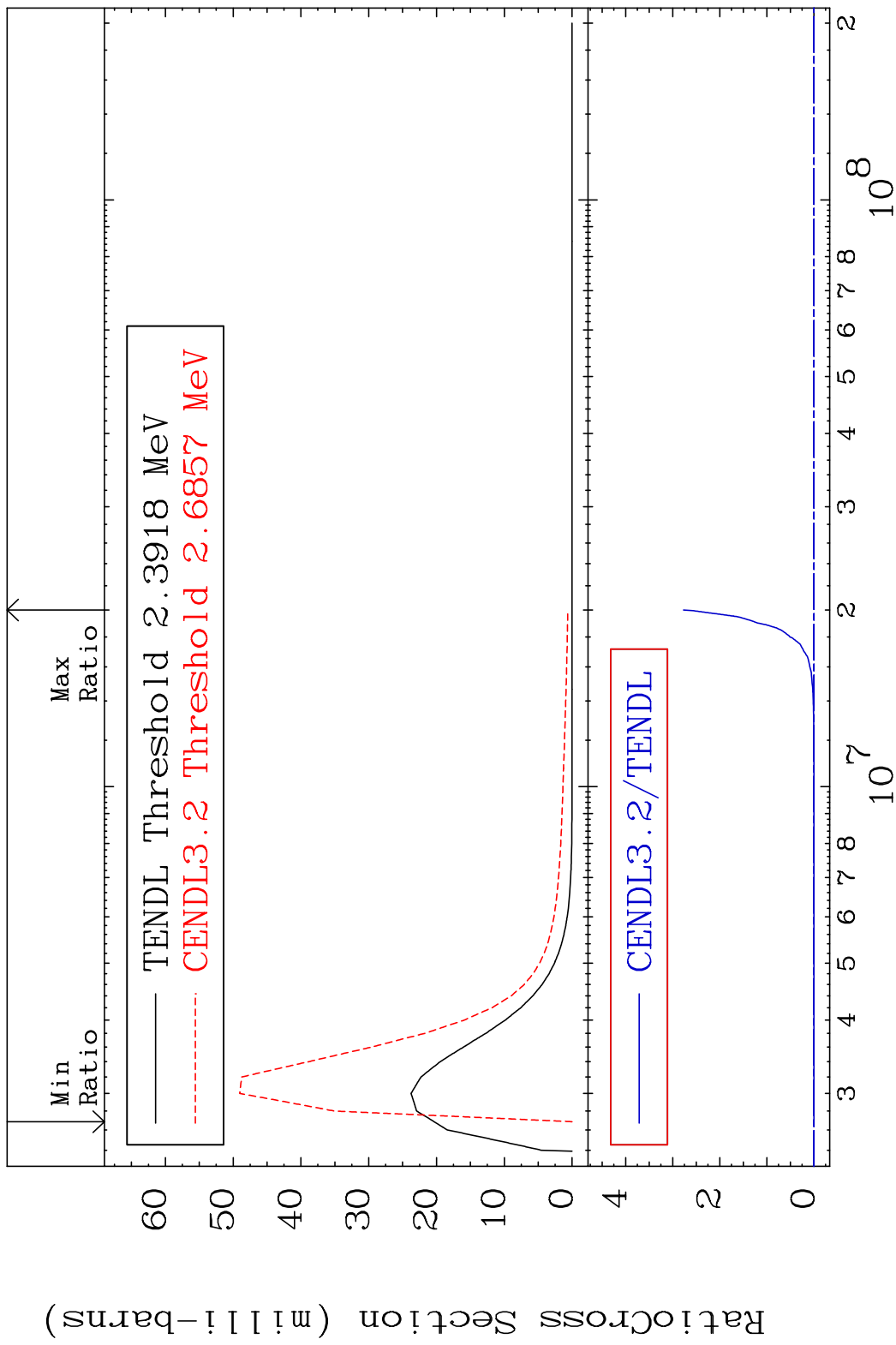
24 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 68 (n, n') Level 58-Ce-142
 Cross Section -100.0 To -73.52%



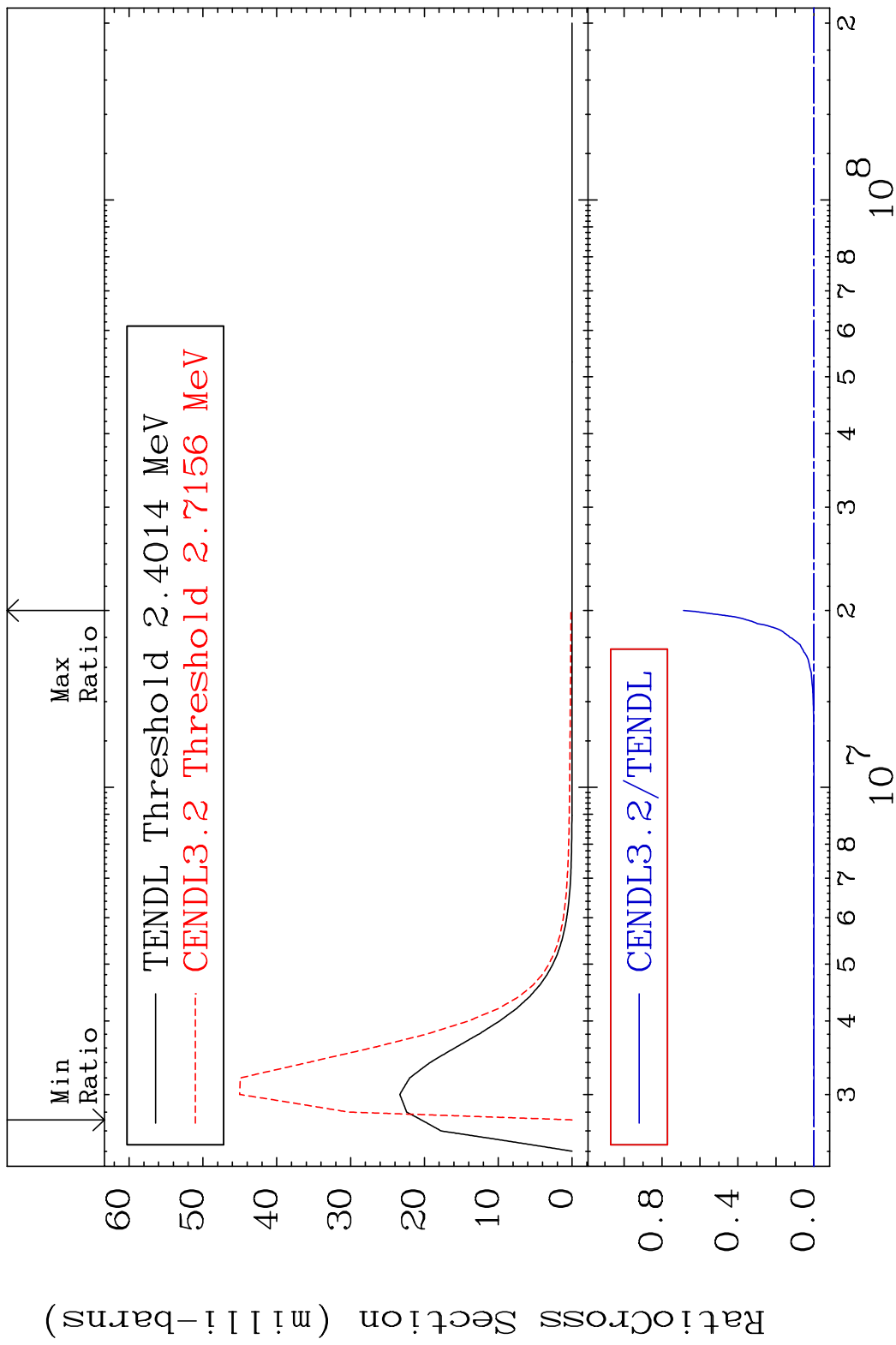
25 58-Ce-142

MAT 5843 MT= 69 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 9999. %



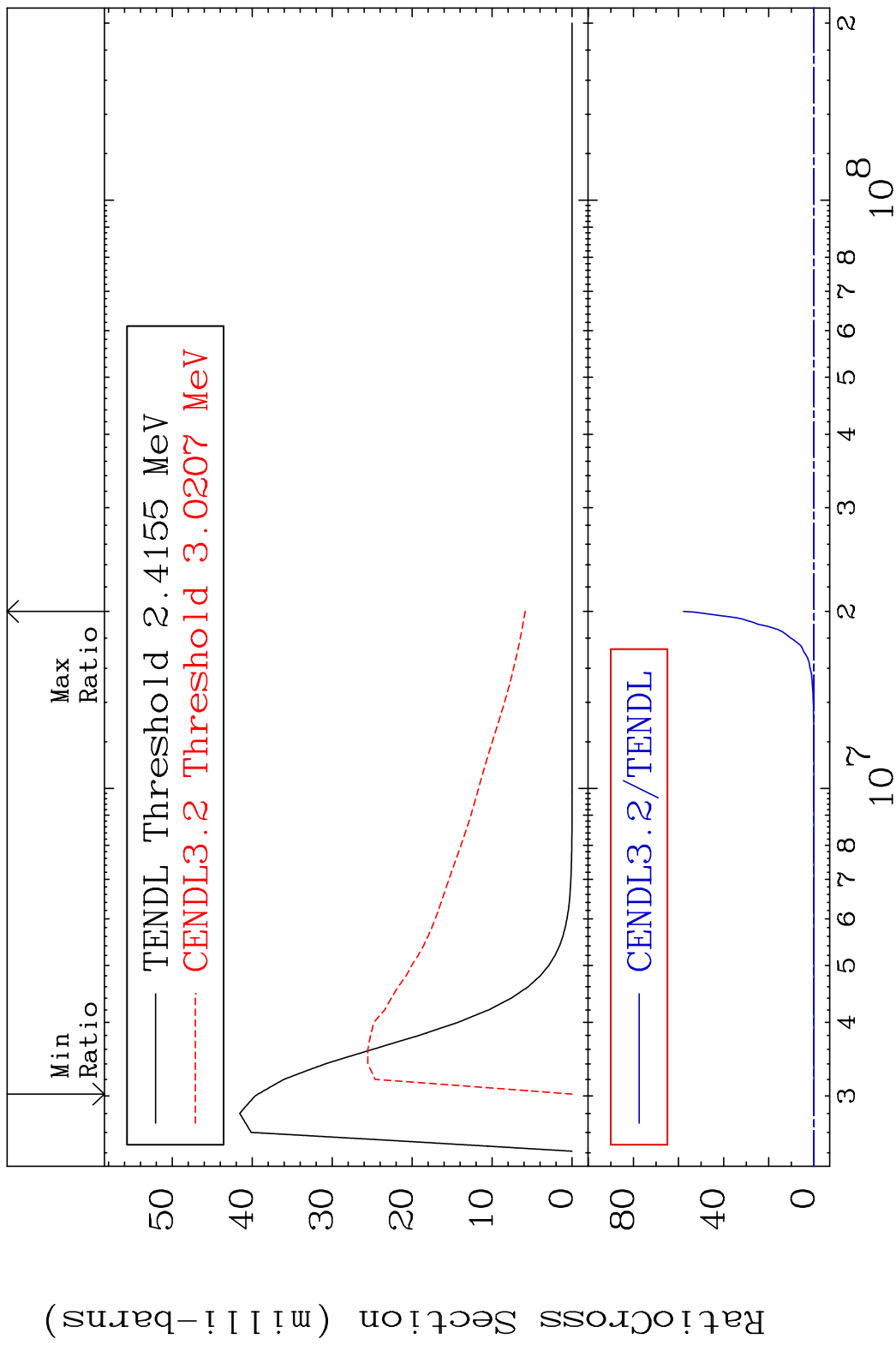
26 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 70 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 9999. %



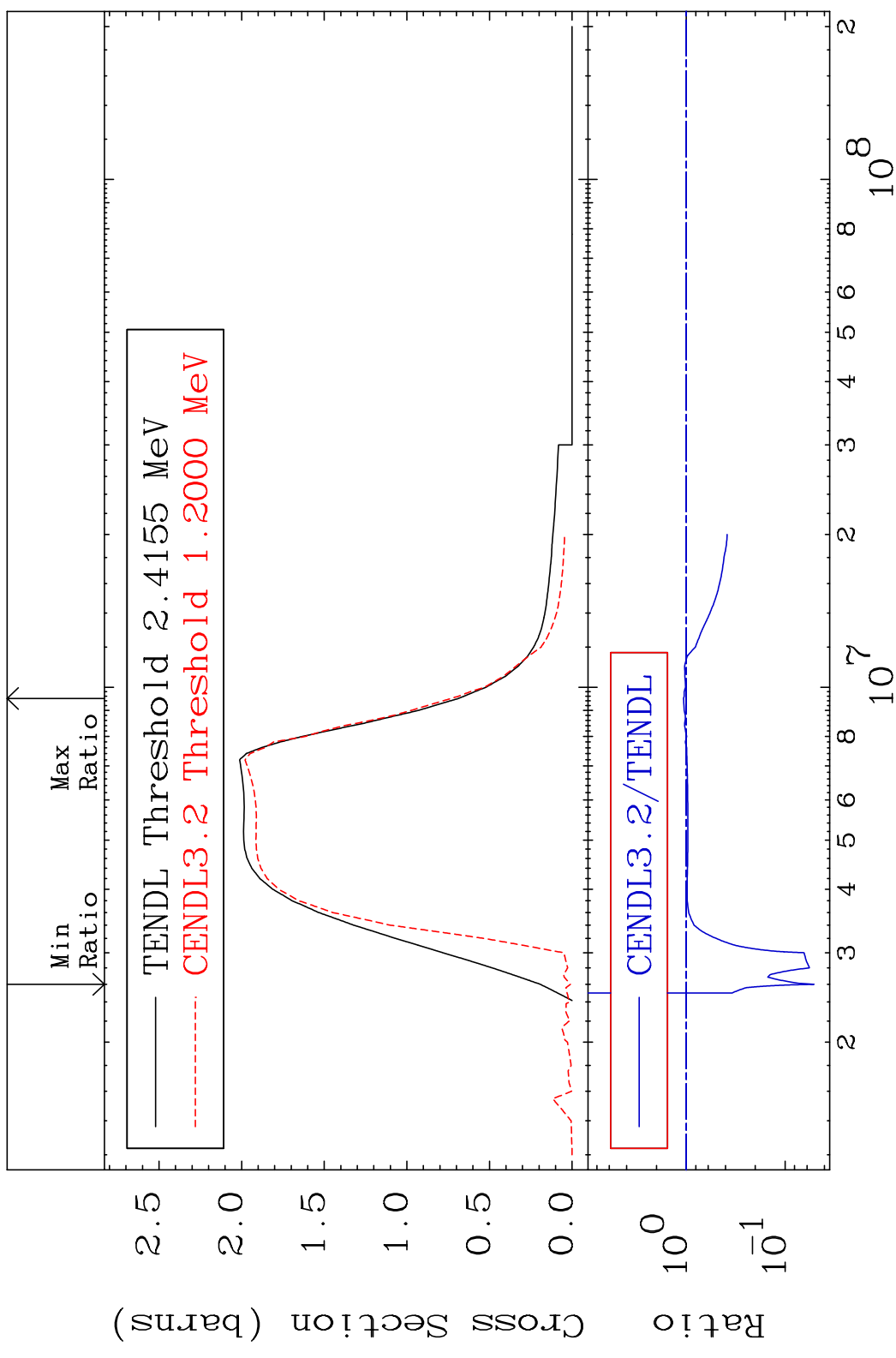
27 Incident Energy (eV) 58-Ce-142

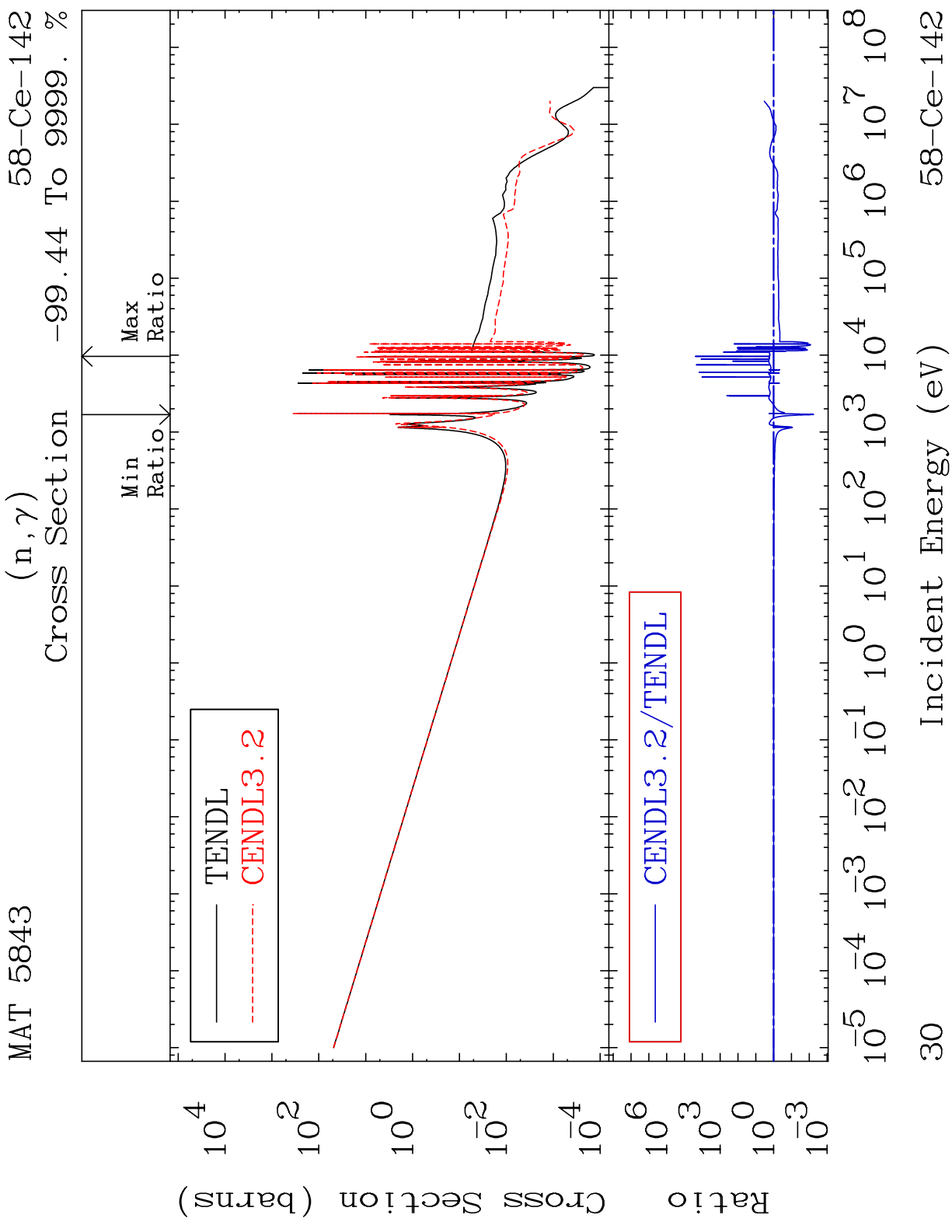
MAT 5843 MT= 71 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 9999. %

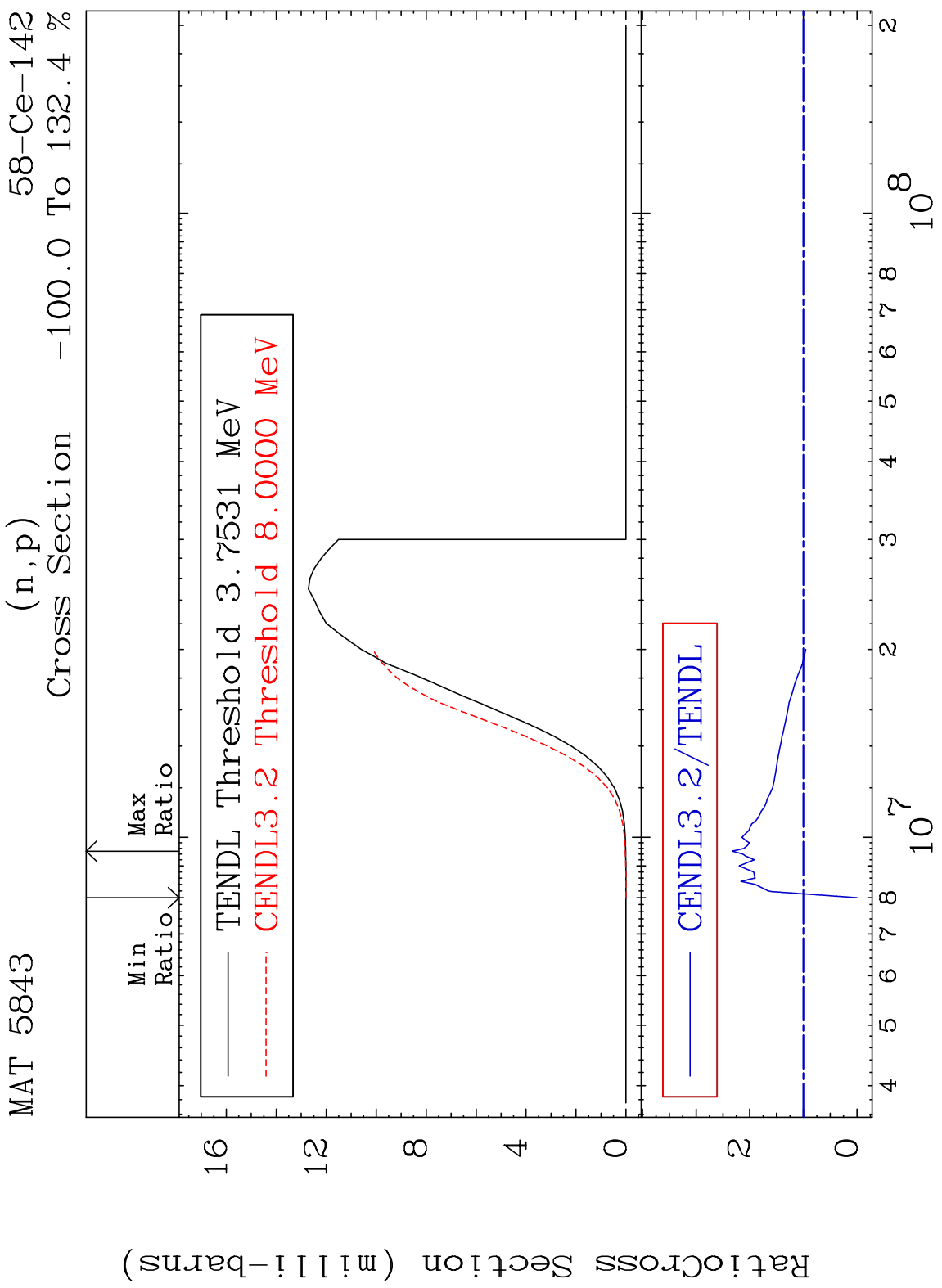


28 Incident Energy (eV) 58-Ce-142

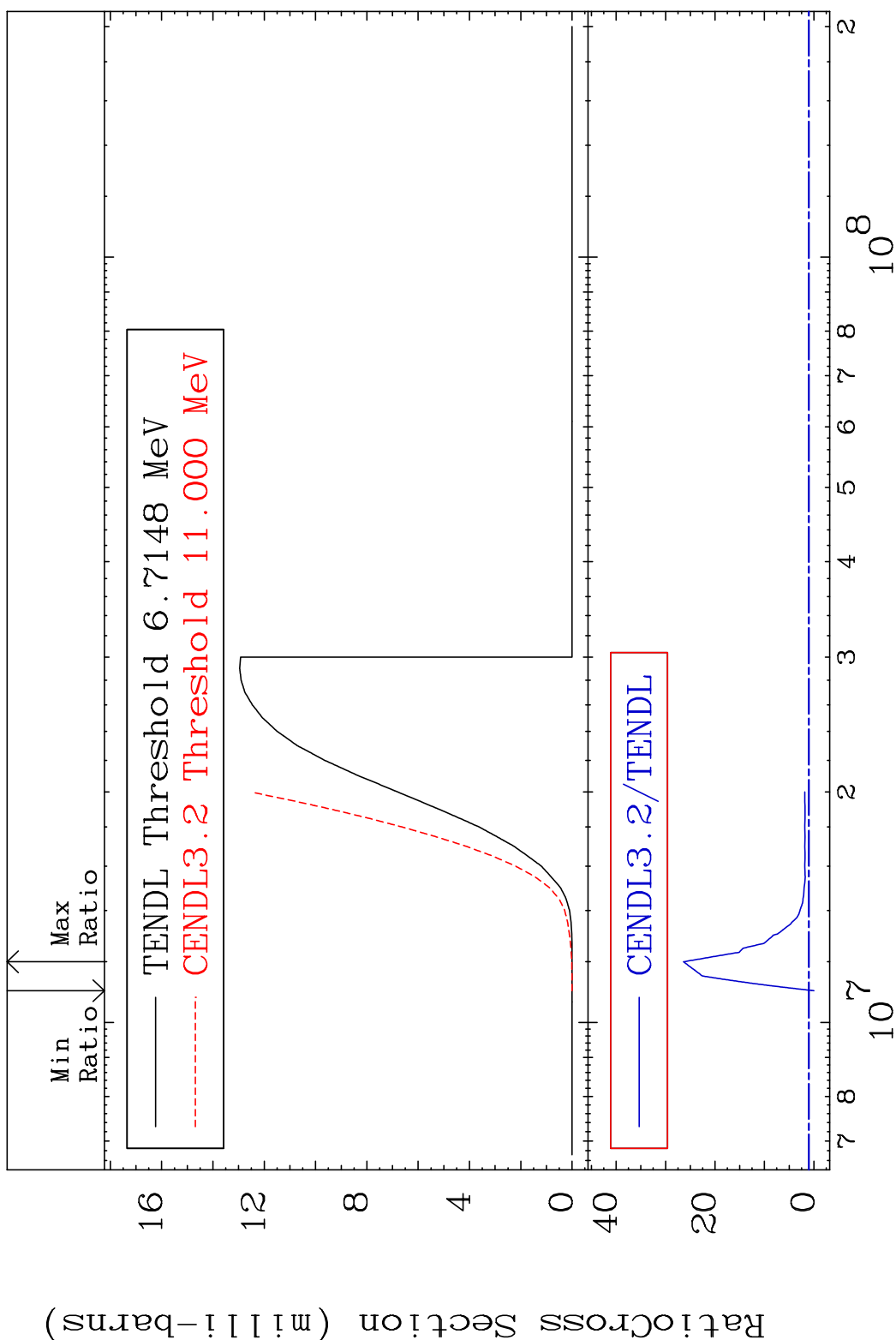
MAT 5843 (n, n') Continuum 58-Ce-142
 Cross Section -94.89 To 6.612 %





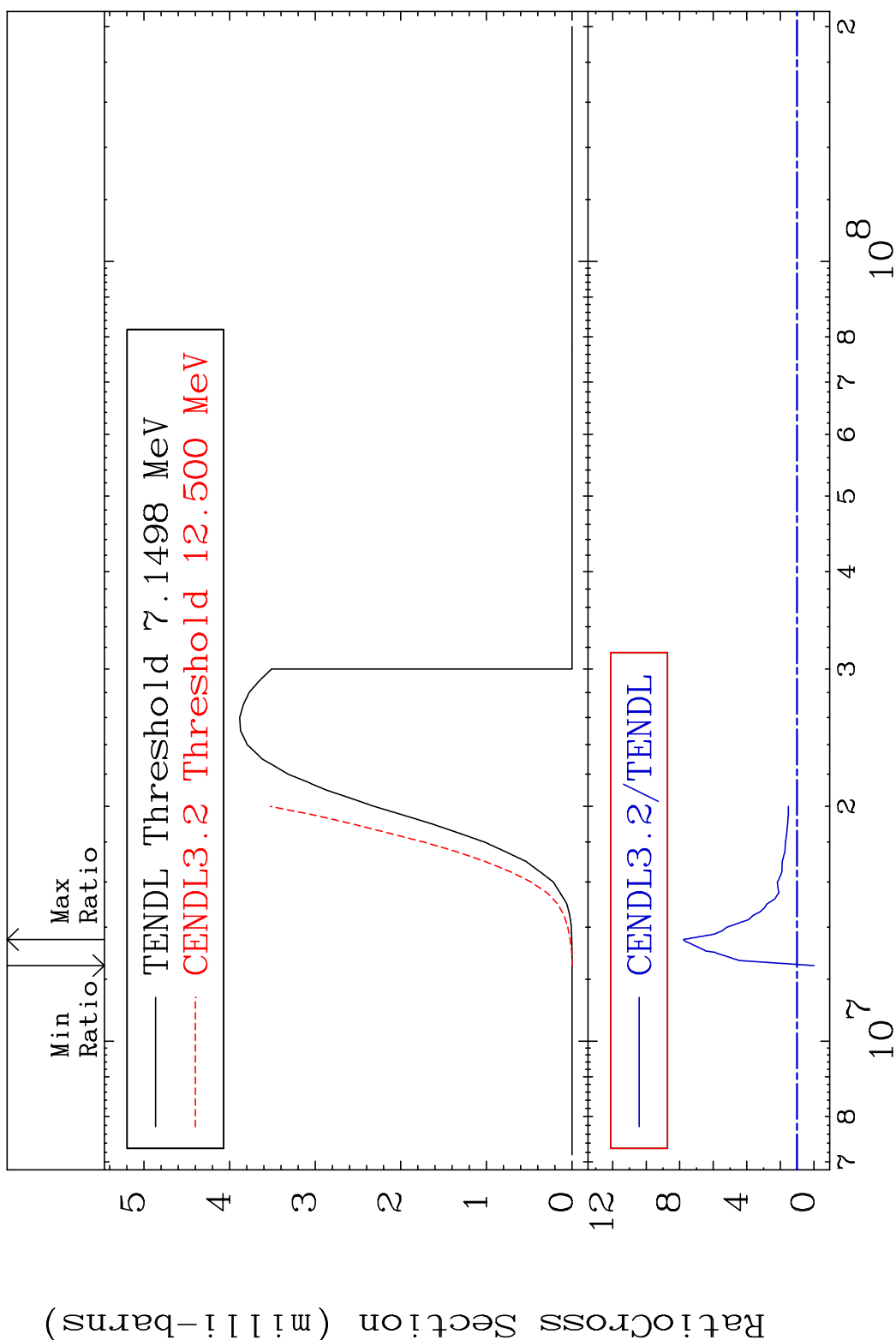


MAT 5843 (n, d) 58-Ce-142
 Cross Section -100.0 To 2538. %



32 Incident Energy (eV) 58-Ce-142

MAT 5843 (n, t) 58-Ce-142
 Cross Section -100.0 To 677.6 %



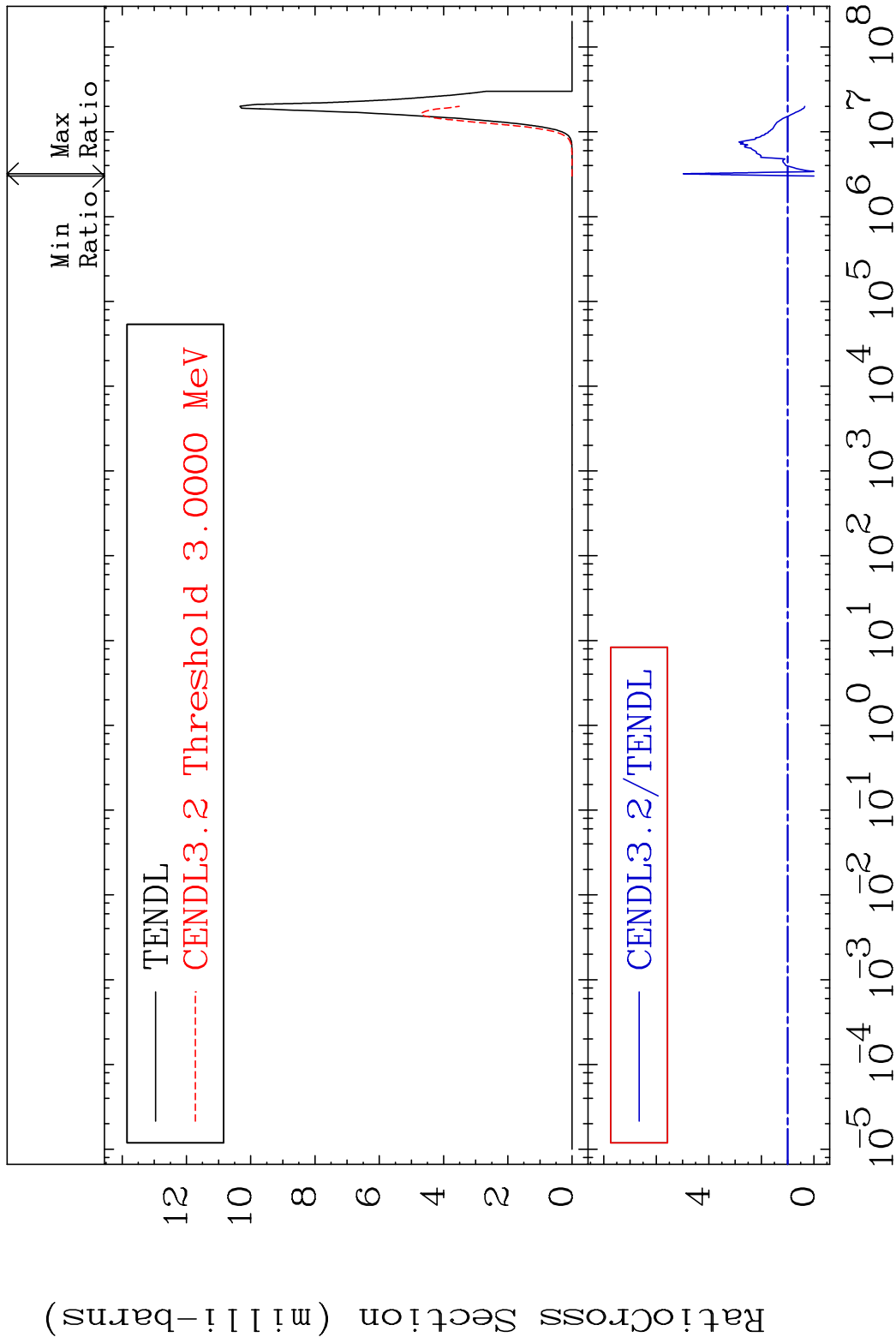
33 Incident Energy (eV) 58-Ce-142

MAT 5843

(n, α)

58-Ce-142

Cross Section -100.0 To 396.4 %



34

Incident Energy (eV)

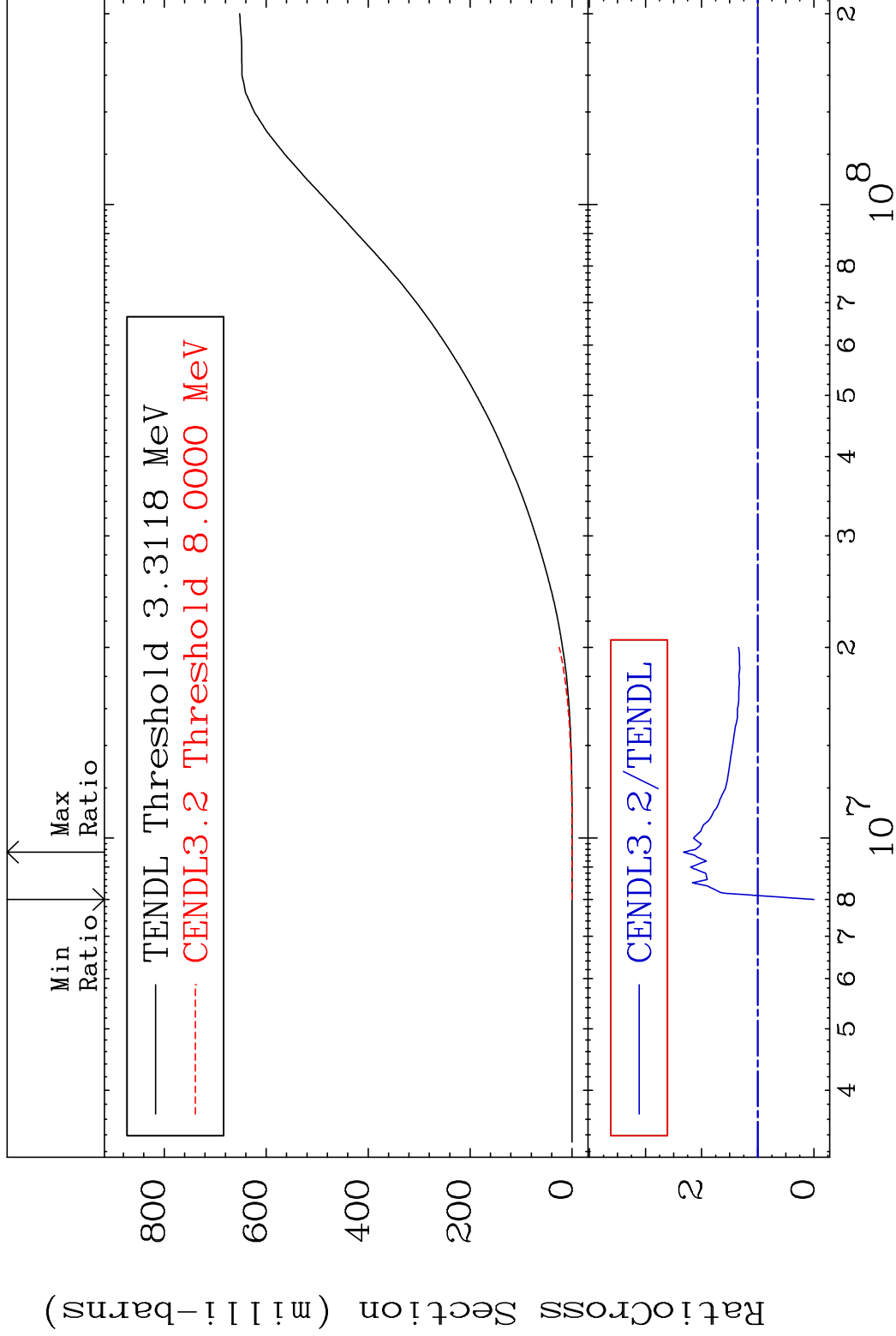
58-Ce-142

MAT 5843

Hydrogen Production

58-Ce-142

Cross Section -100.0 To 132.4 %

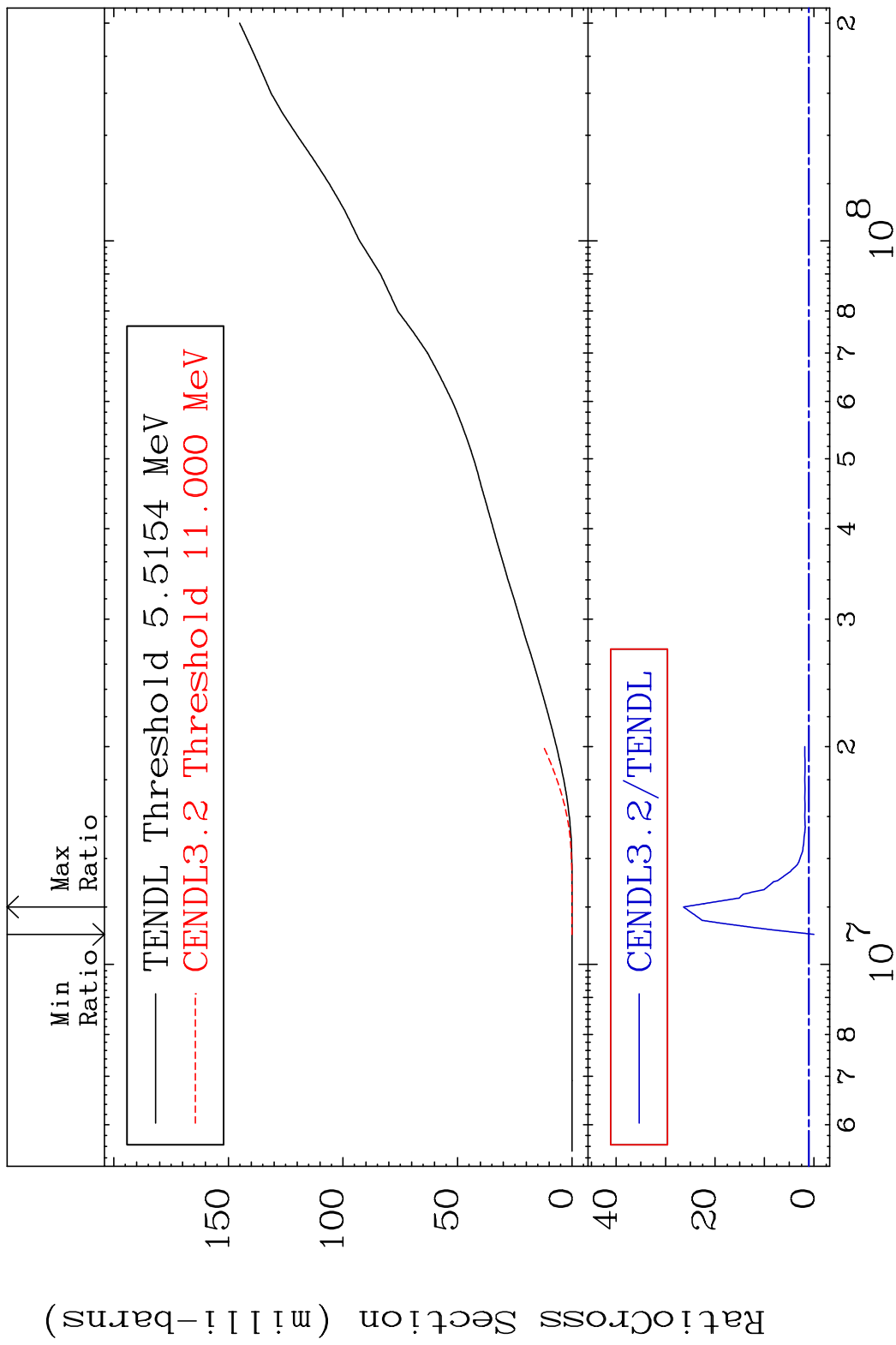


35

Incident Energy (eV)

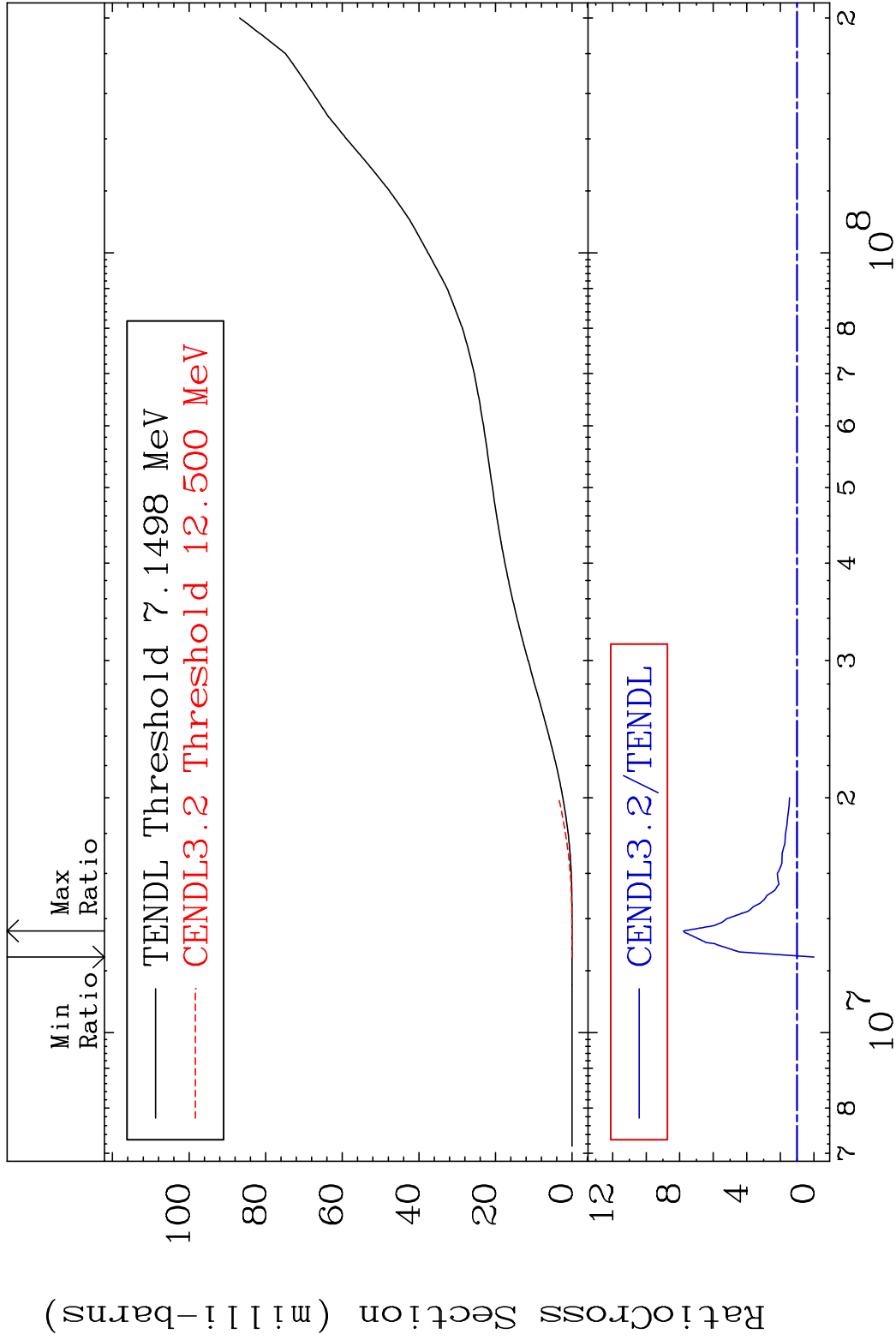
58-Ce-142

MAT 5843 Deuterium Production 58-Ce-142
 Cross Section -100.0 To 2538. %



36 Incident Energy (eV) 58-Ce-142

MAT 5843 Tritium Production 58-Ce-142
 Cross Section -100.0 To 677.6 %



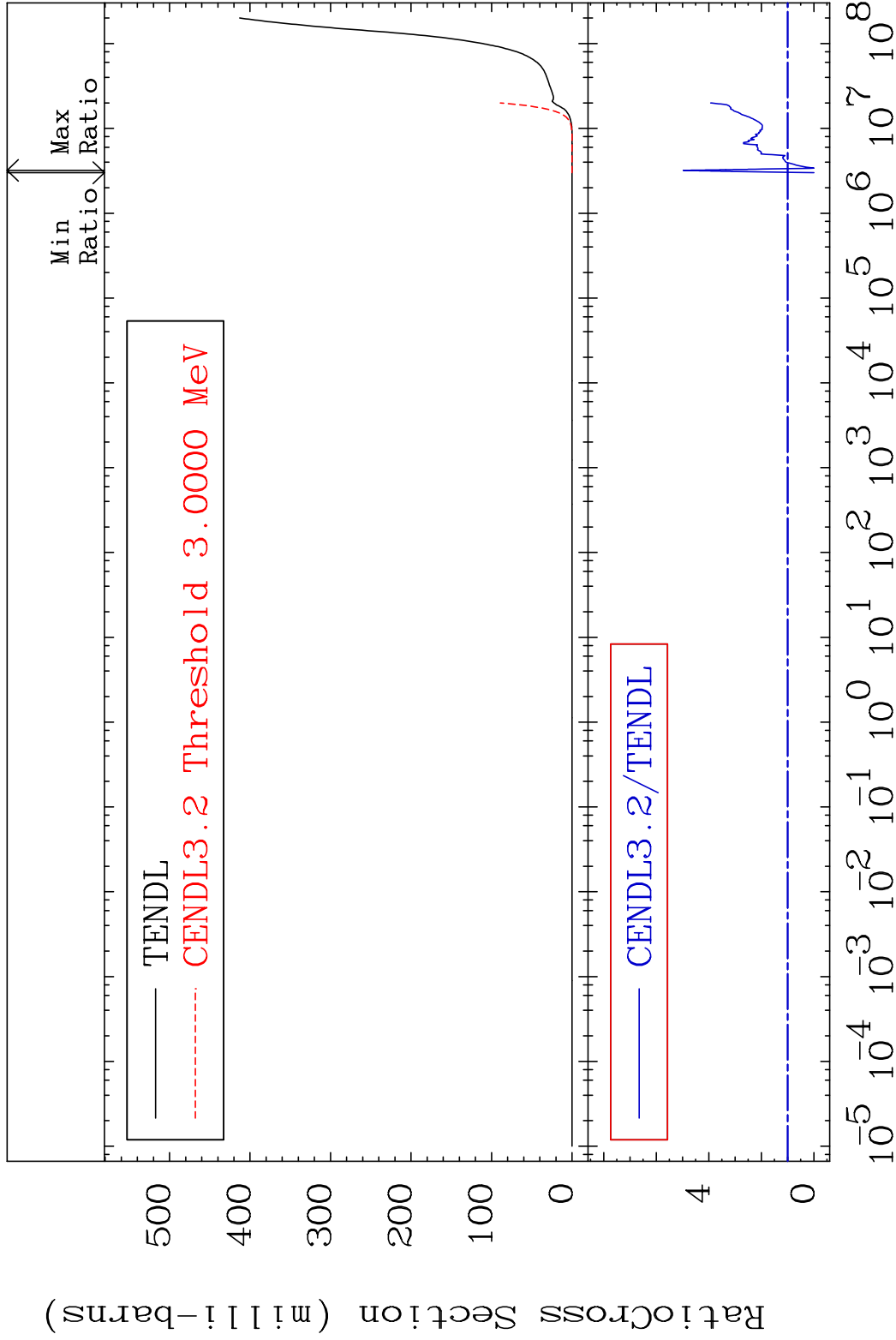
37 58-Ce-142

MAT 5843

He-4 Production

58-Ce-142

Cross Section -100.0 To 396.4 %

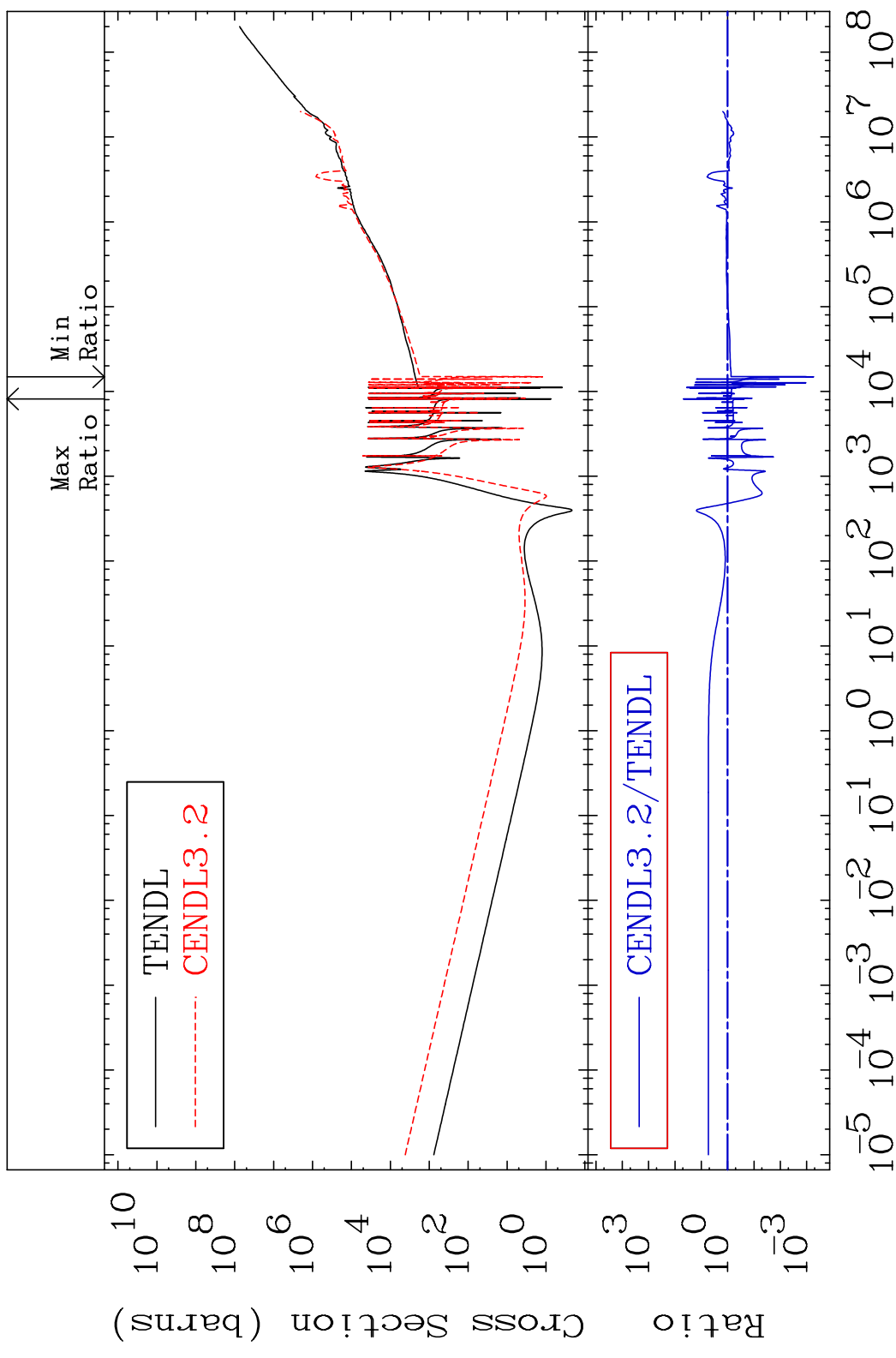


38

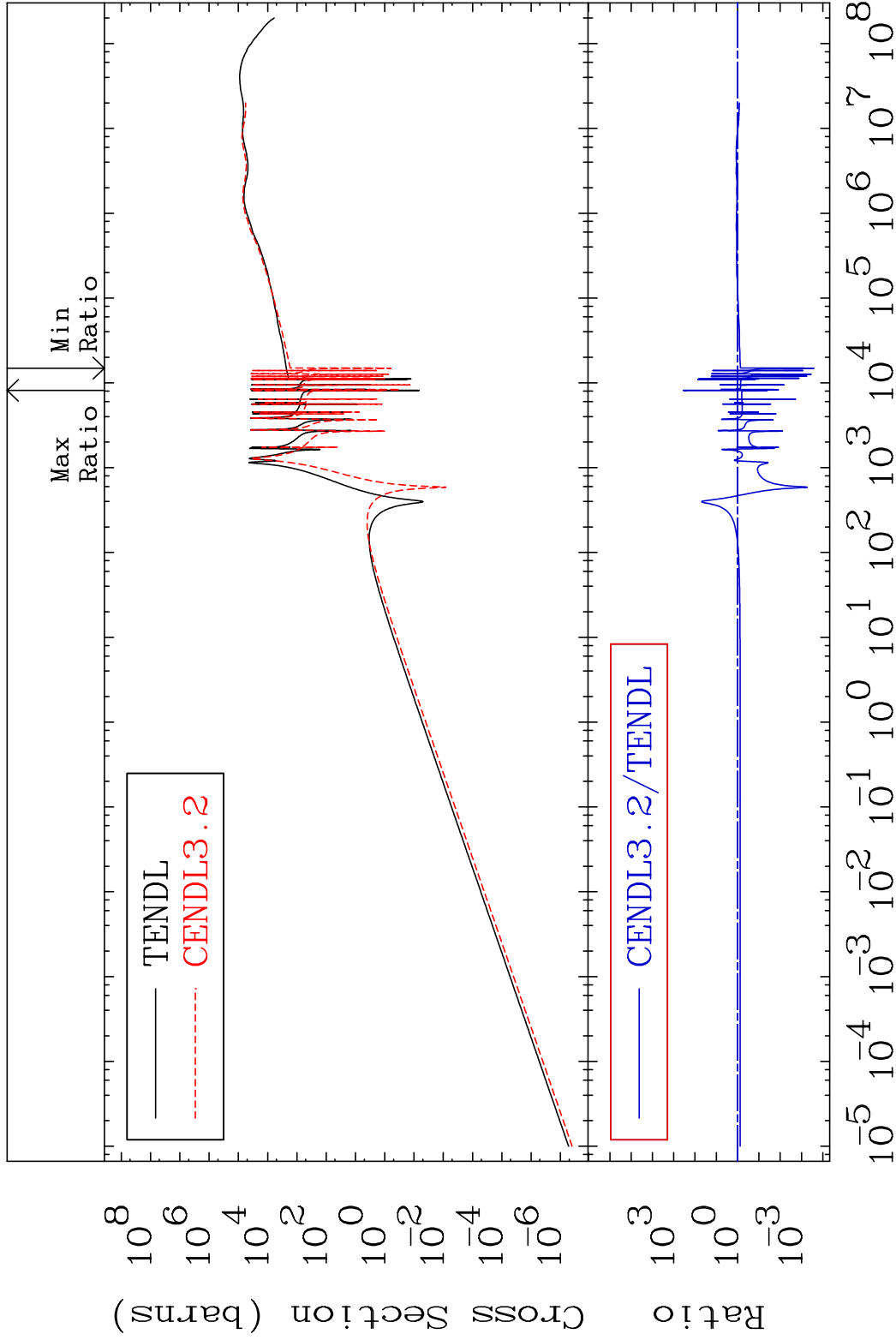
Incident Energy (eV)

58-Ce-142

MAT 5843 Kerma total (eV-barns) 58-Ce-142
 Cross Section -99.95 To 4667. %

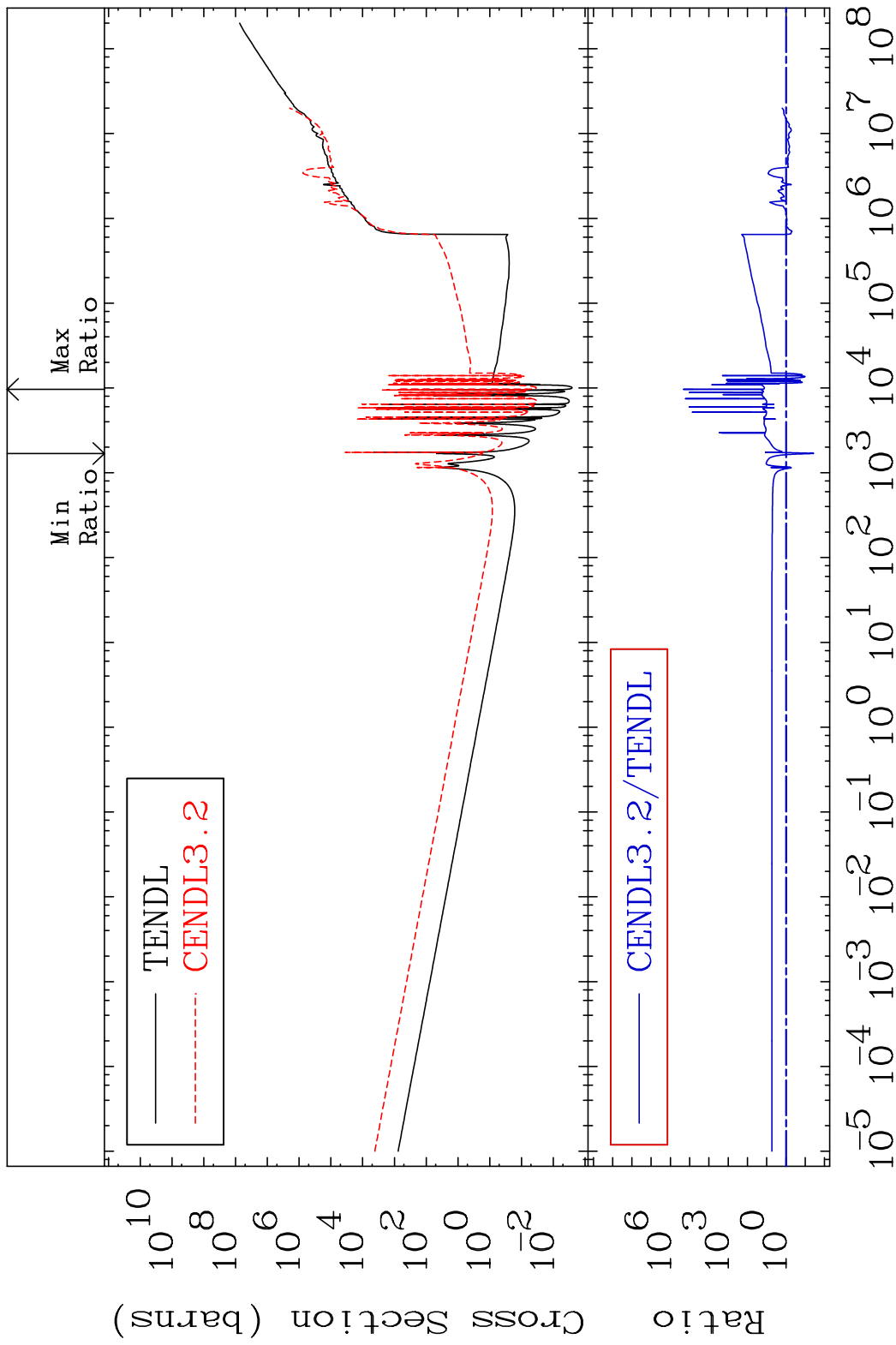


MAT 5843 Kerma elastic 58-Ce-142
 Cross Section -99.97 To 9999. %



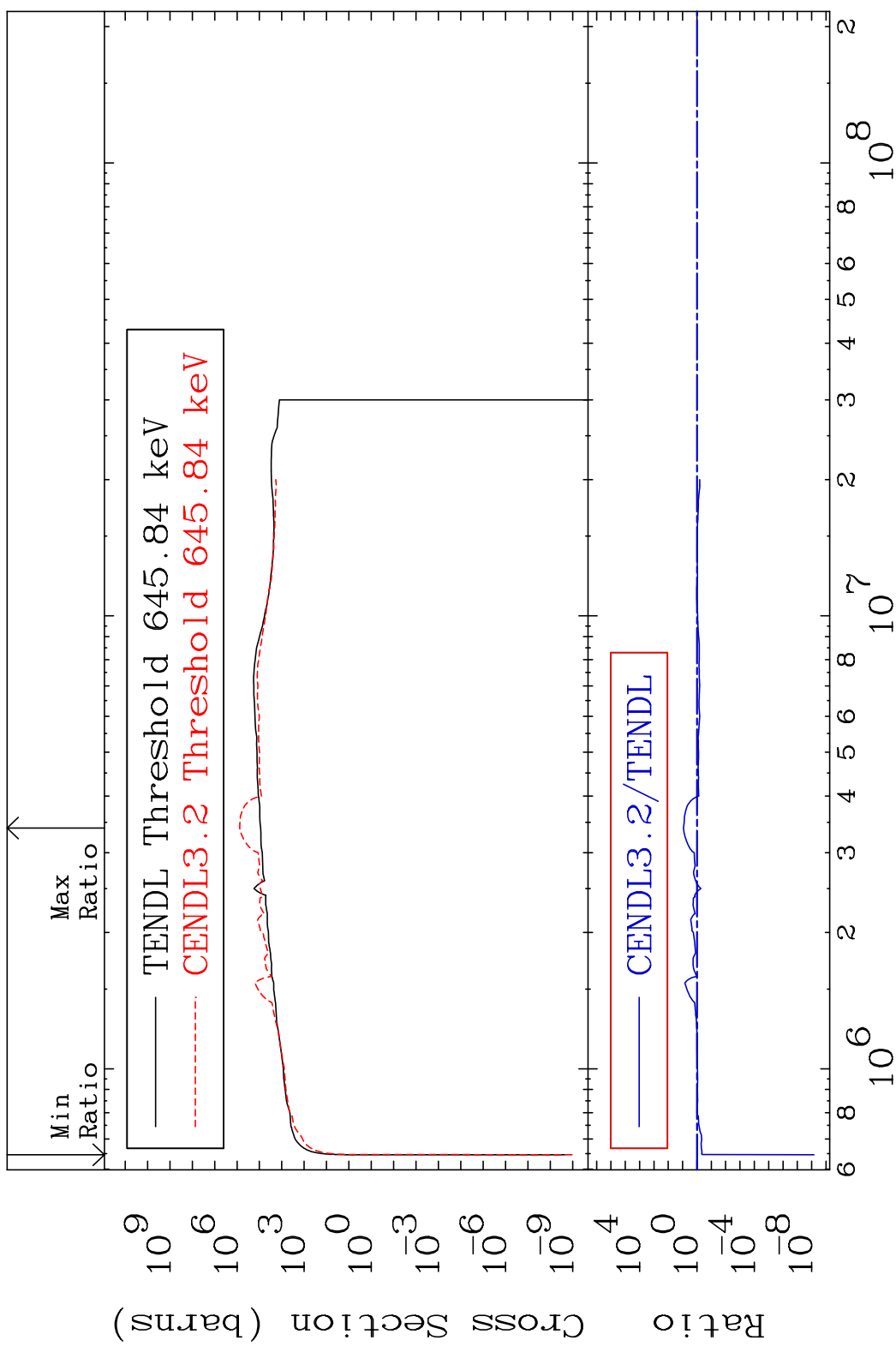
40 Incident Energy (eV) 58-Ce-142

MAT 5843 Kerma non-elastic (all but mt2) 58-Ce-142
 Cross Section -96.44 To 9999. %



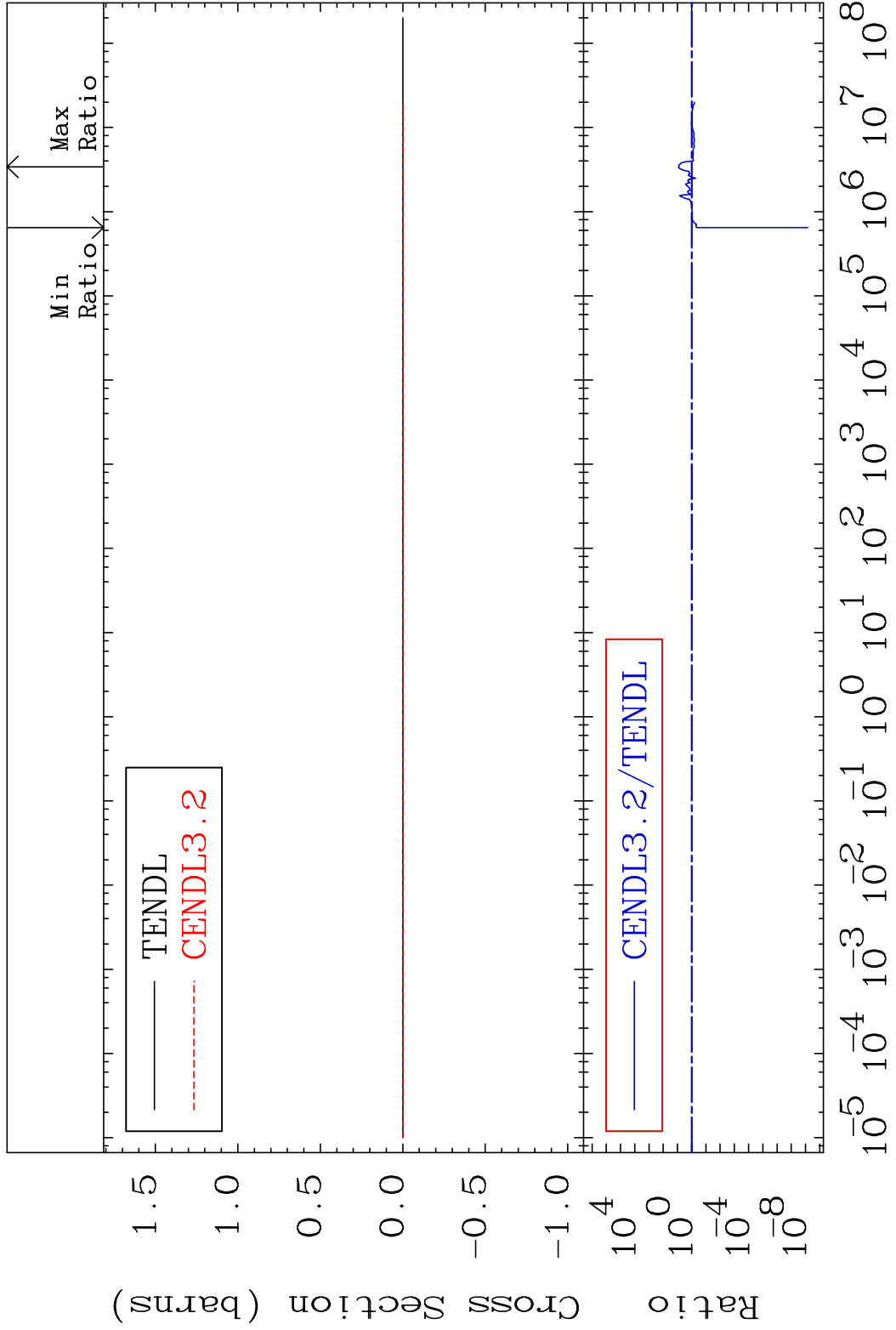
41 Incident Energy (eV) 58-Ce-142

MAT 5843 Kerma inelastic (mt51-91) 58-Ce-142
 Cross Section -100.0 To 773.5 %



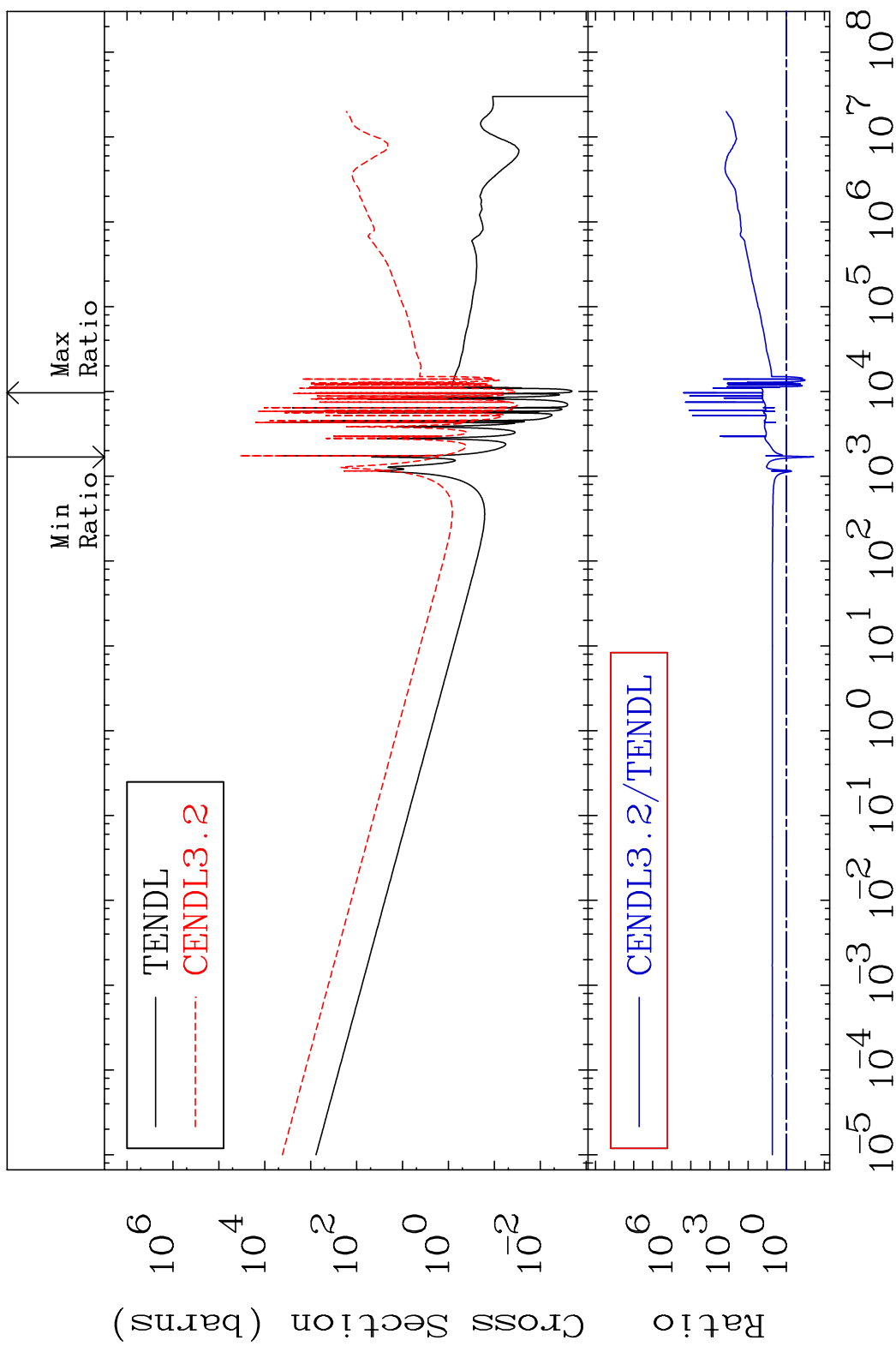
42 Incident Energy (eV) 58-Ce-142

MAT 5843 Kerma fission (mt18 or mt19-20-21-38) 58-Ce-142
 Cross Section -100.0 To 773.5 %

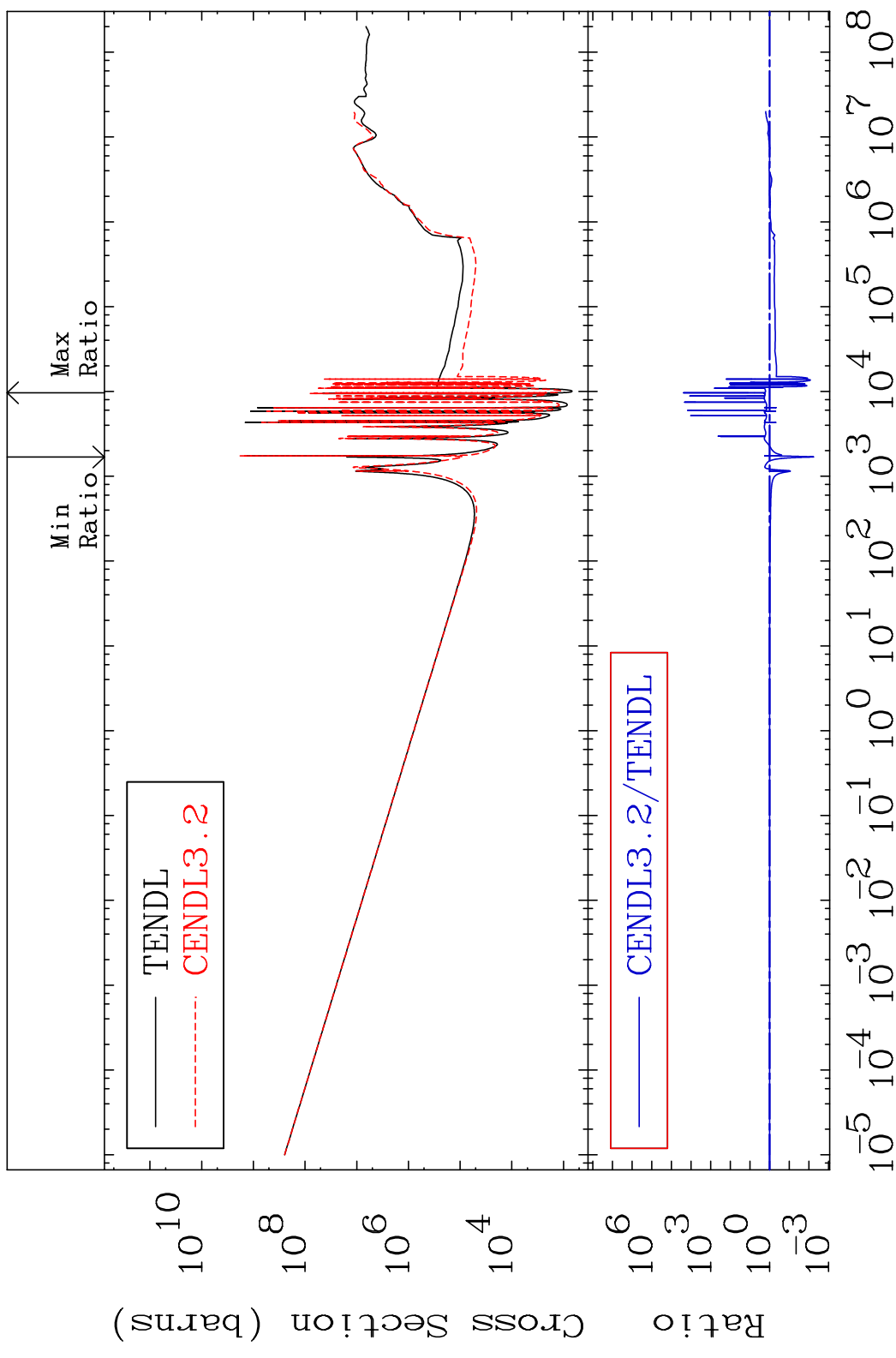


43 Incident Energy (eV) 58-Ce-142

MAT 5843 Kerma capture (mt102) 58-Ce-142
 Cross Section -96.44 To 9999. %

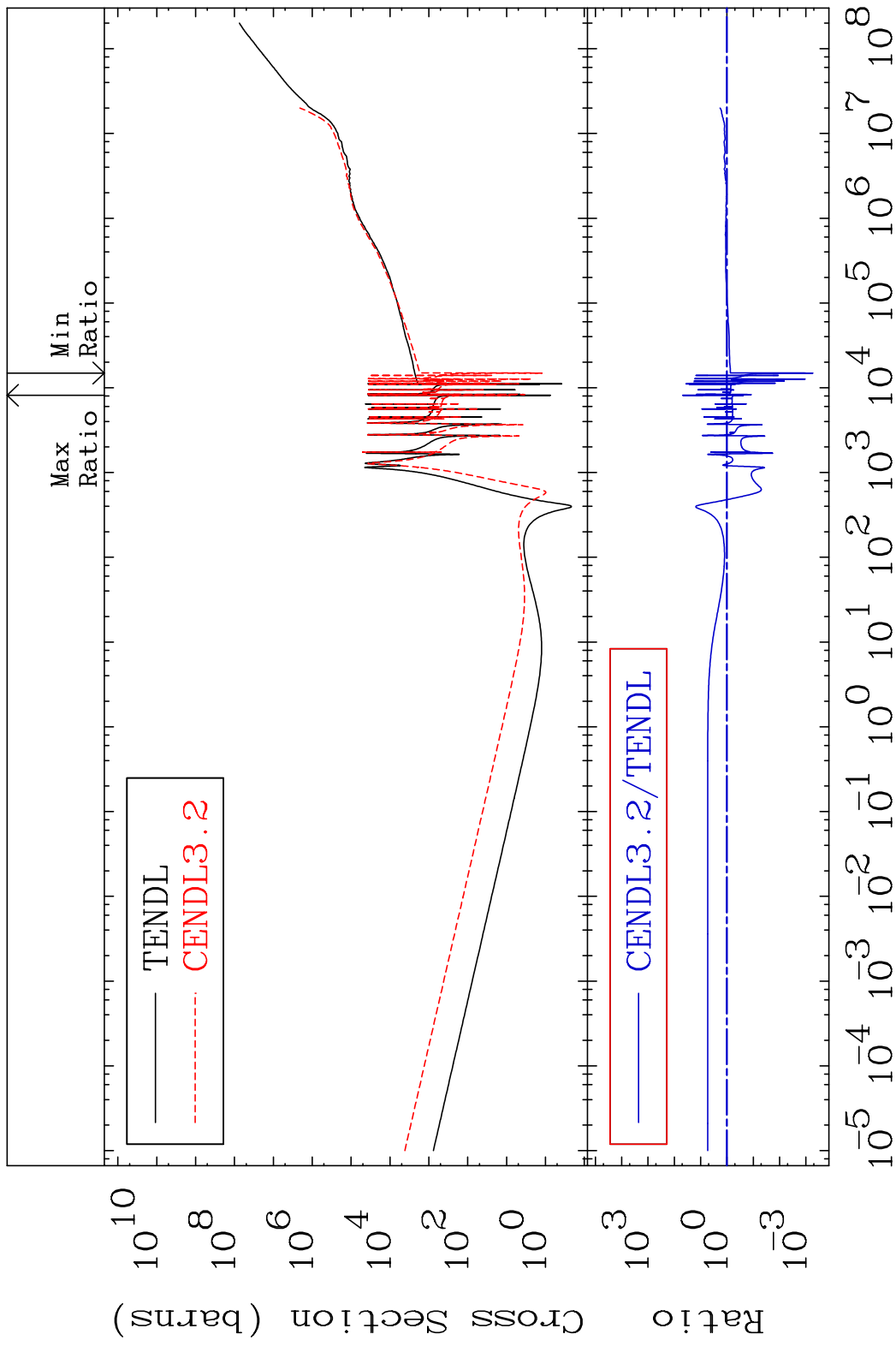


MAT 5843 Total photon (eV-barns) 58-Ce-142
Cross Section -99.44 To 9999. %



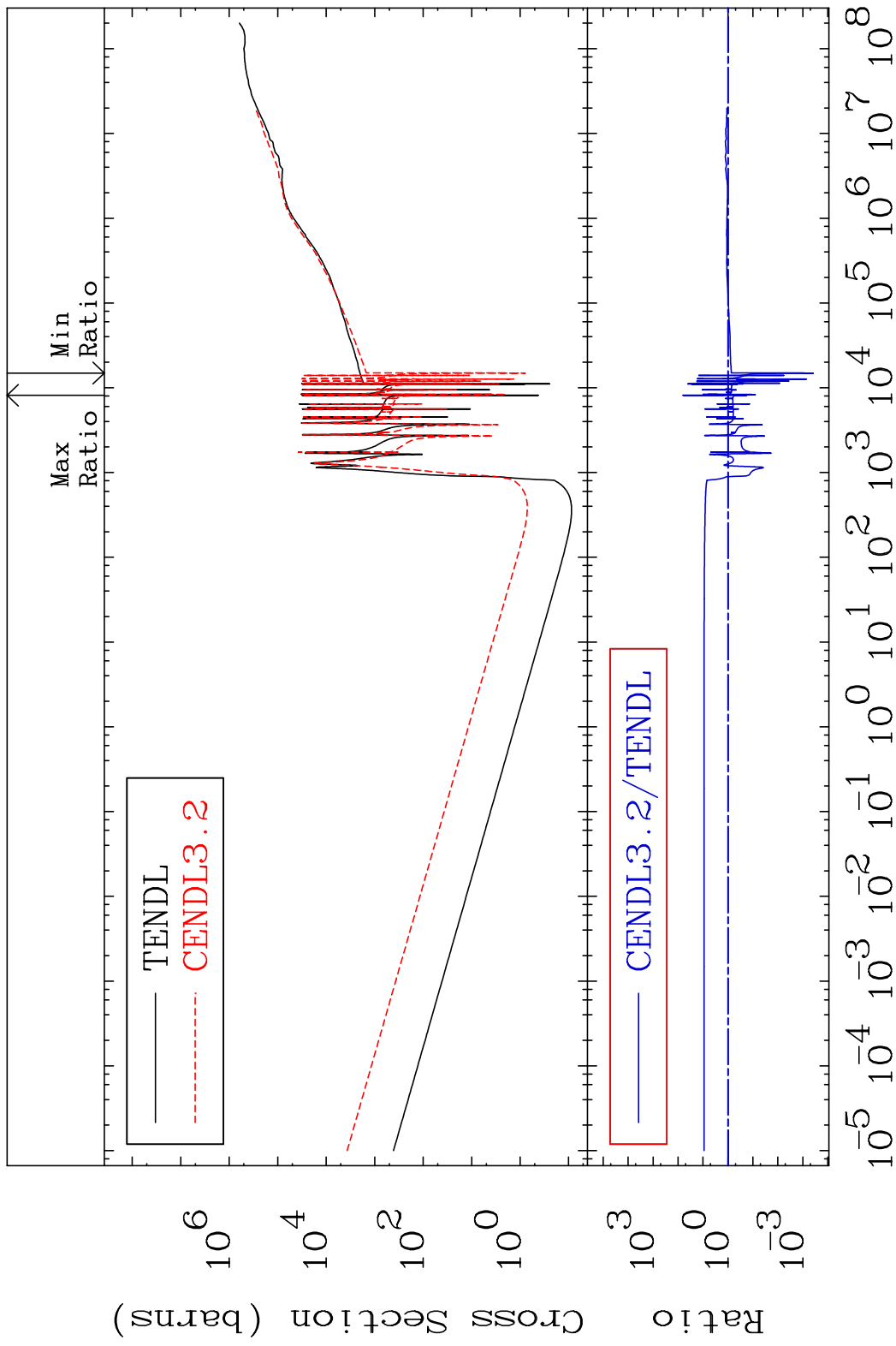
45 Incident Energy (eV) 58-Ce-142

MAT 5843 Total kinematic kerma (high limit) 58-Ce-142
 Cross Section -99.95 To 4667. %



46 Incident Energy (eV) 58-Ce-142

MAT 5843 Dpa total (eV-barns) 58-Ce-142
 Cross Section -99.96 To 6344. %



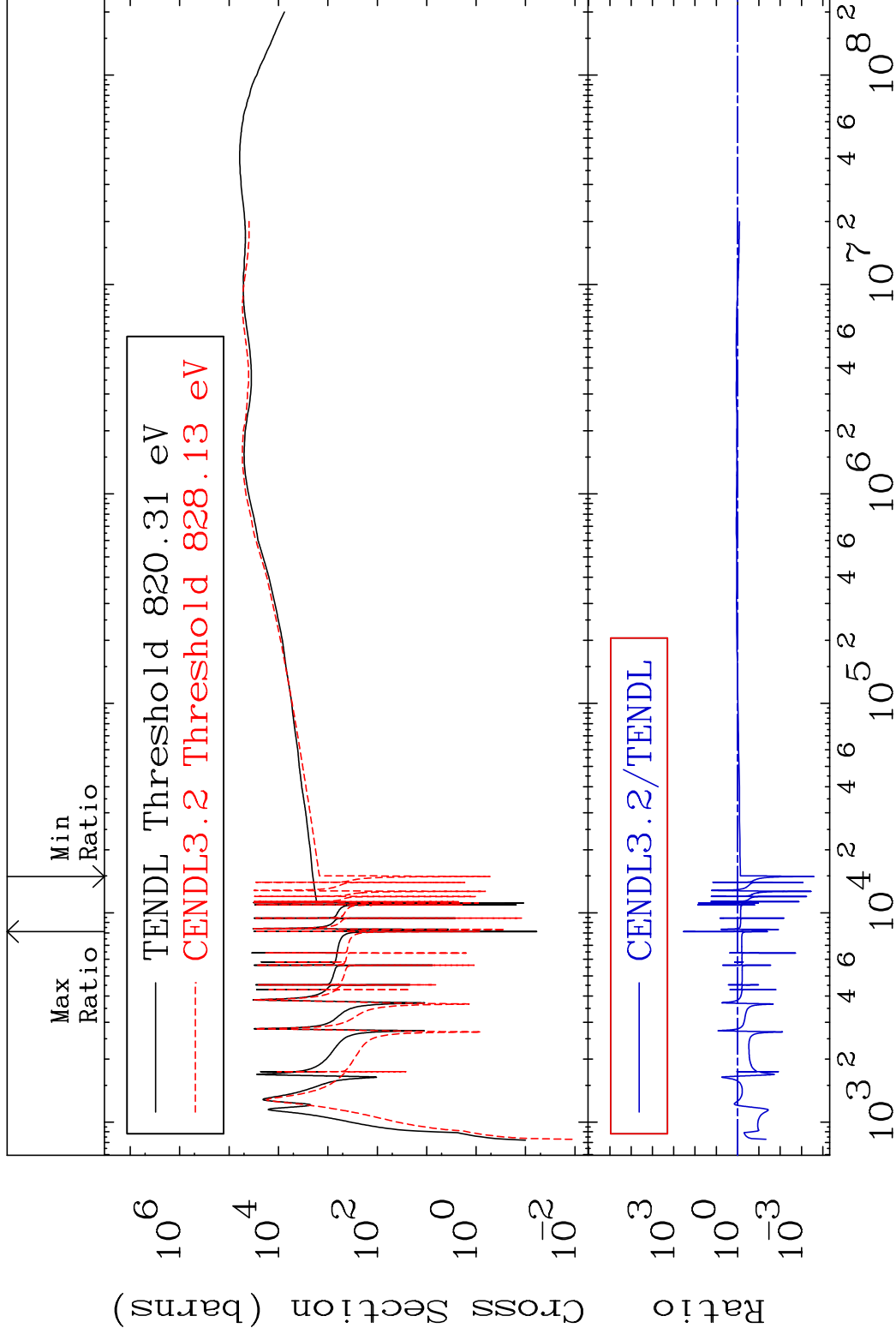
47 Incident Energy (eV) 58-Ce-142

MAT 5843

Dpa elastic (mt2)

58-Ce-142

Cross Section -99.97 To 9999. %

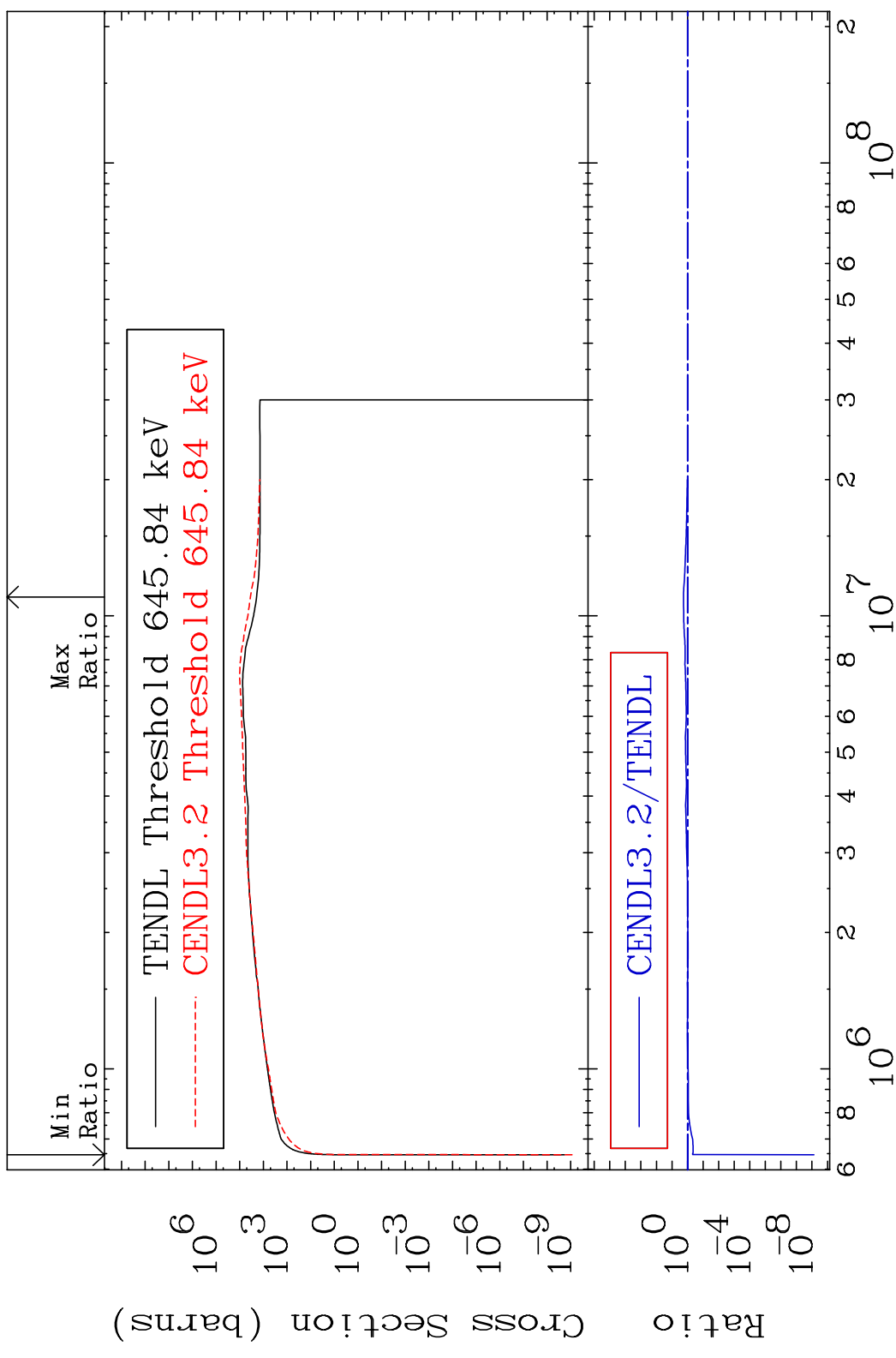


48

Incident Energy (eV)

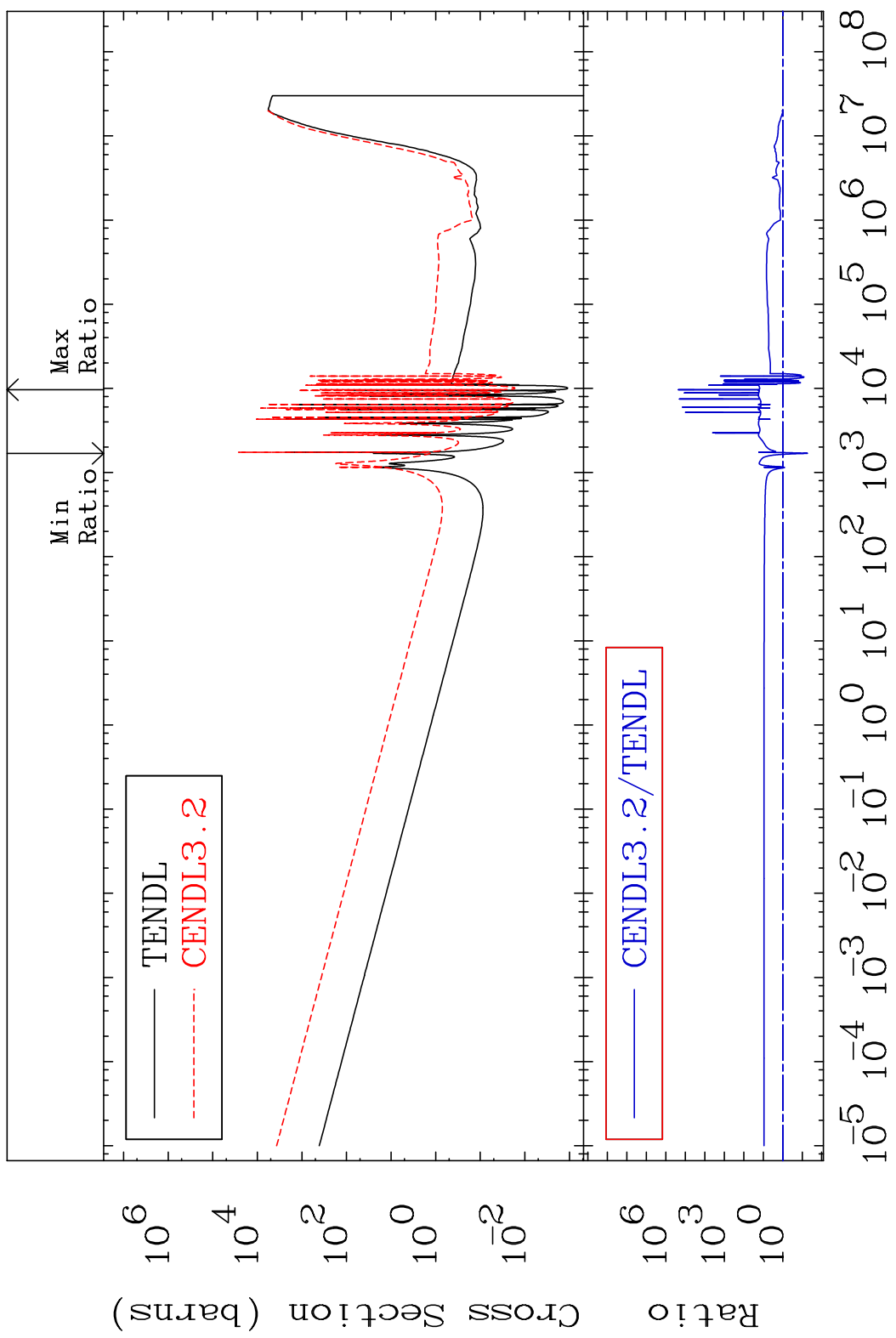
58-Ce-142

MAT 5843 Dpa inelastic (mt51-91) 58-Ce-142
 Cross Section -100.0 To 82.86 %



49 58-Ce-142

MAT 5843 Dpa disappearance (mt102 -120) 58-Ce-142
 Cross Section -94.78 To 9999. %



50 Incident Energy (eV) 58-Ce-142