

Program Complot
(Version 2021-1)

by

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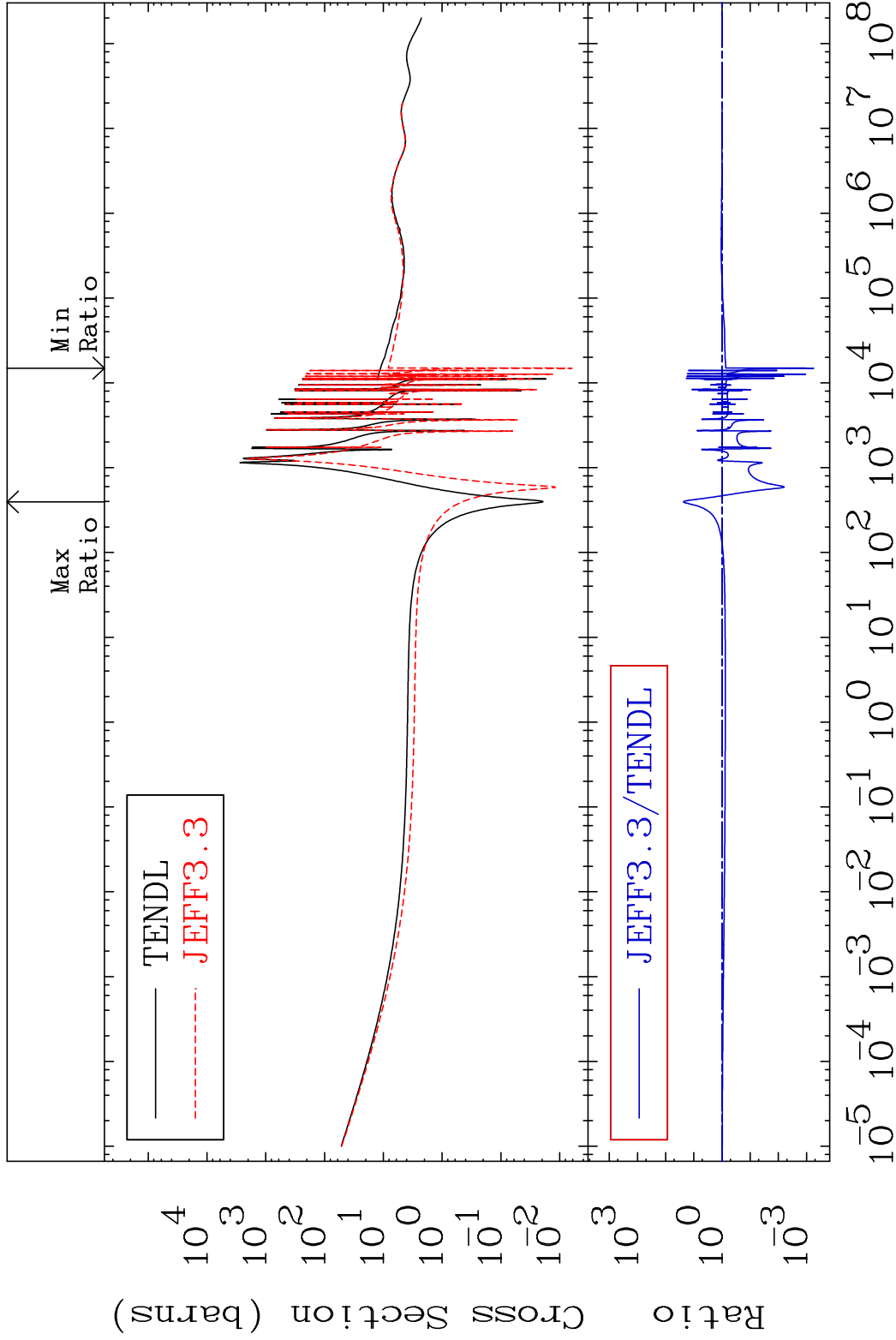
U.S.A.

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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. %



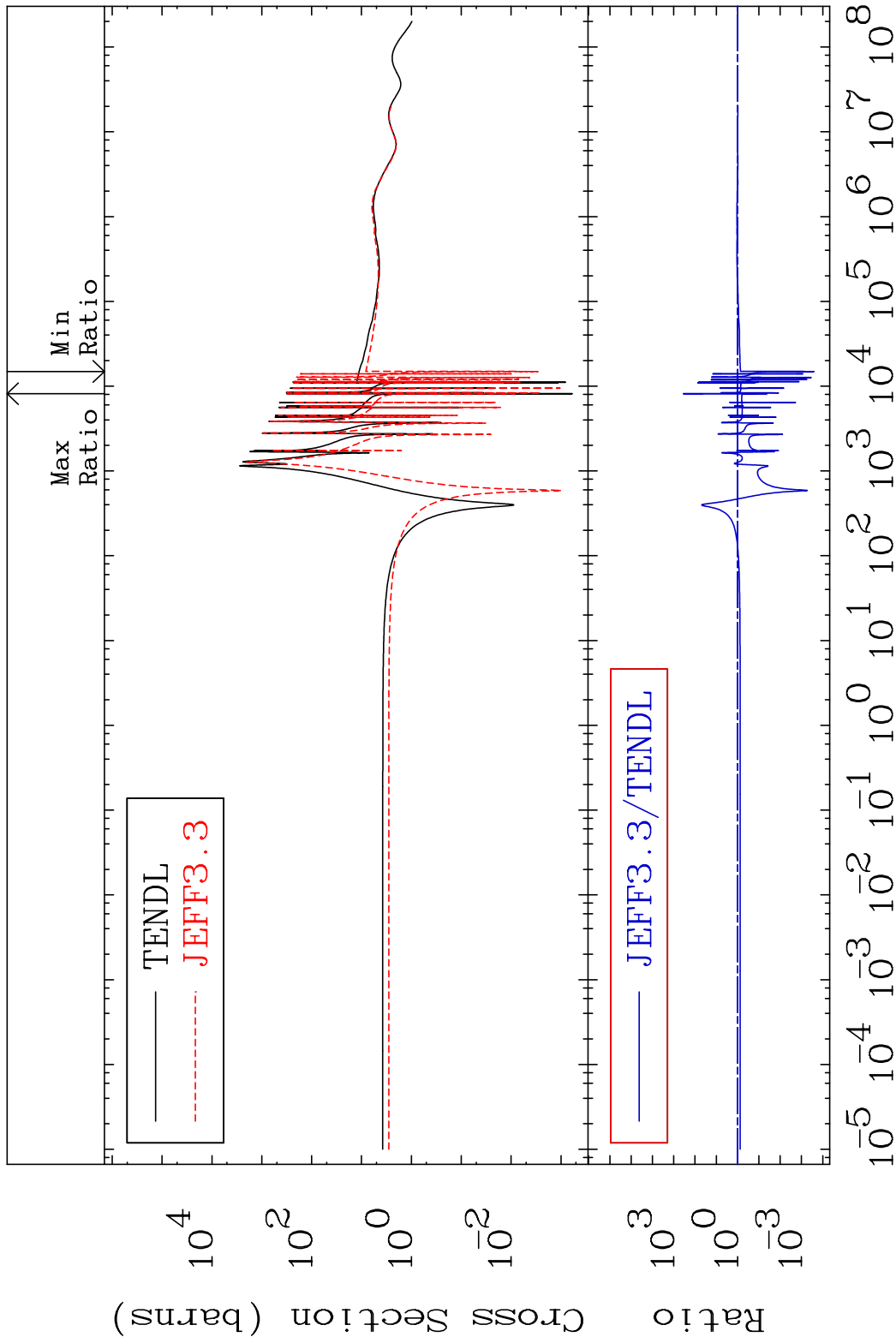
1 Incident Energy (eV) 58-Ce-142

MAT 5843

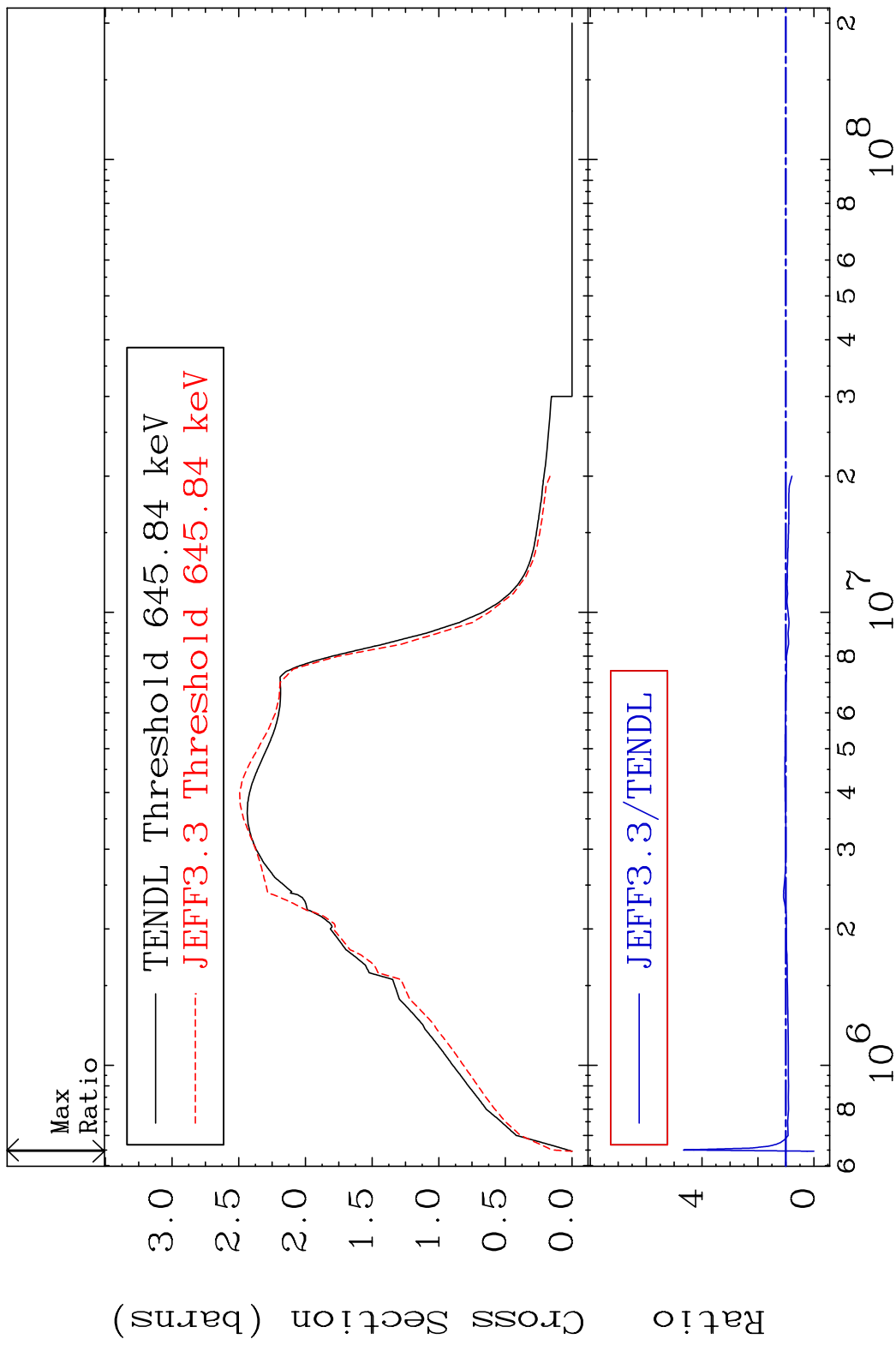
Elastic

58-Ce-142

Cross Section -99.97 To 9999. %

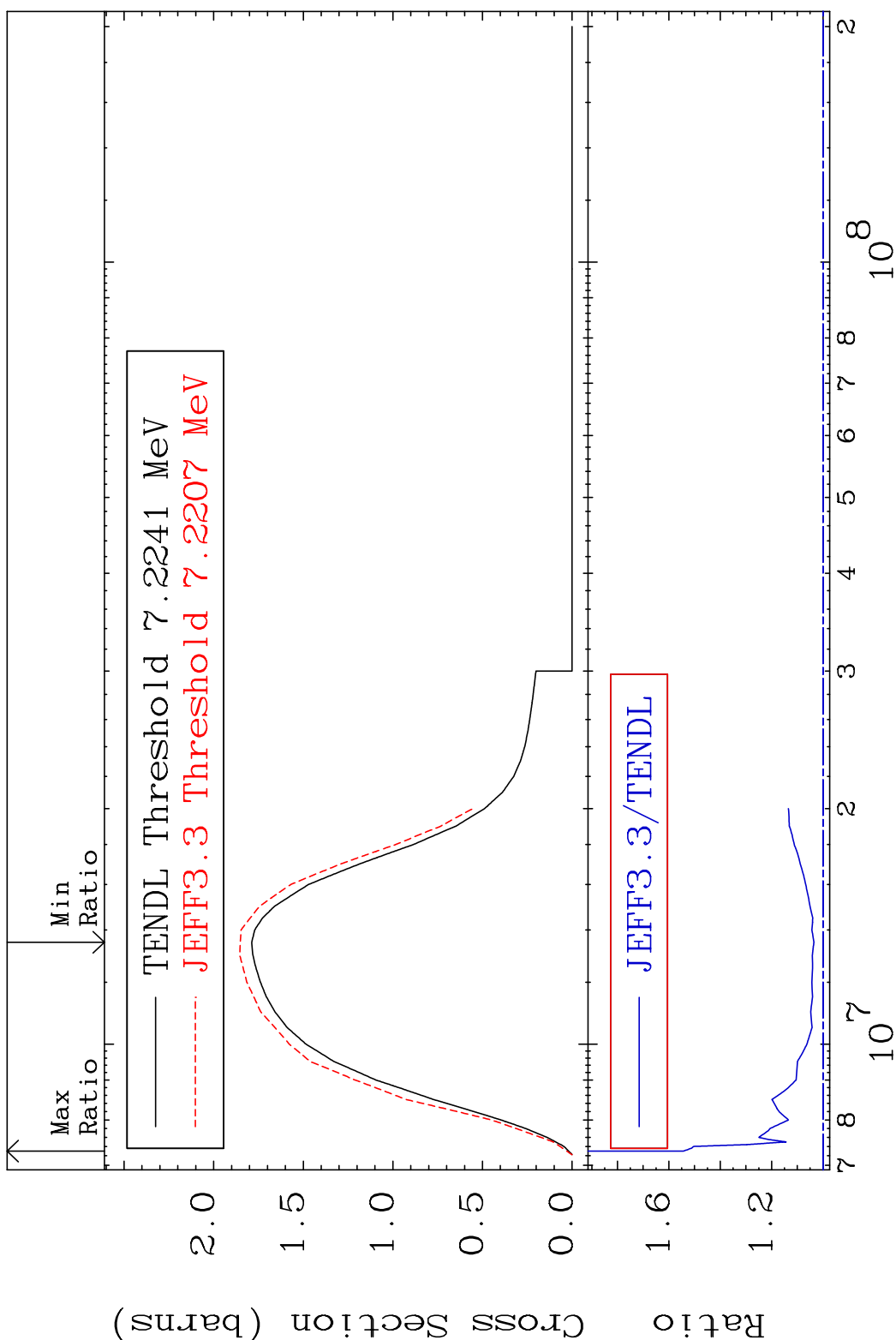


MAT 5843 Inelastic 58-Ce-142
Cross Section -100.0 To 366.6 %



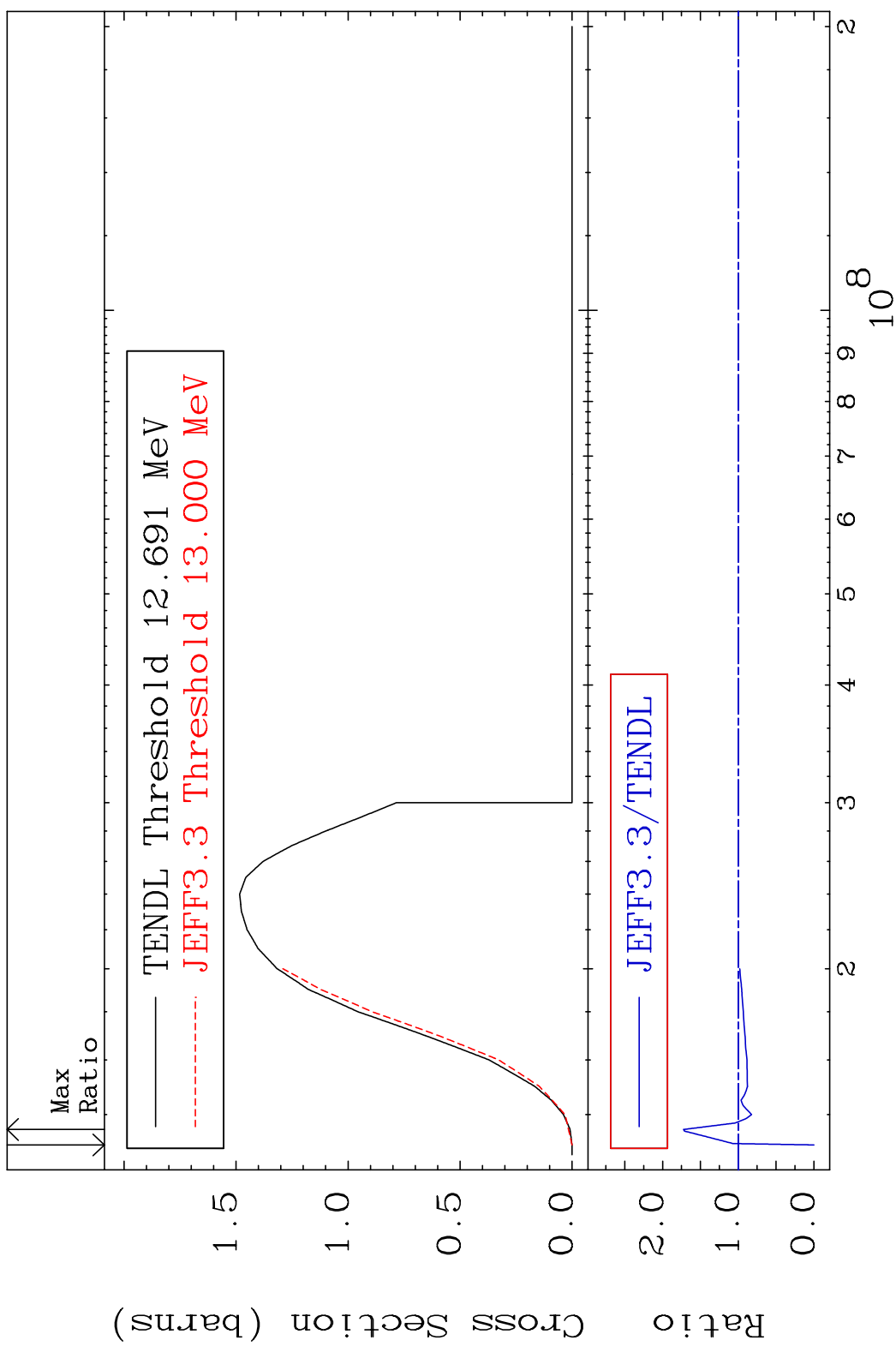
3 Incident Energy (eV) 58-Ce-142

MAT 5843 (n,2n) 58-Ce-142
Cross Section 3.546 To 54.31 %



4 Incident Energy (eV) 58-Ce-142

MAT 5843 (n,3n) 58-Ce-142
 Cross Section -100.0 To 72.43 %

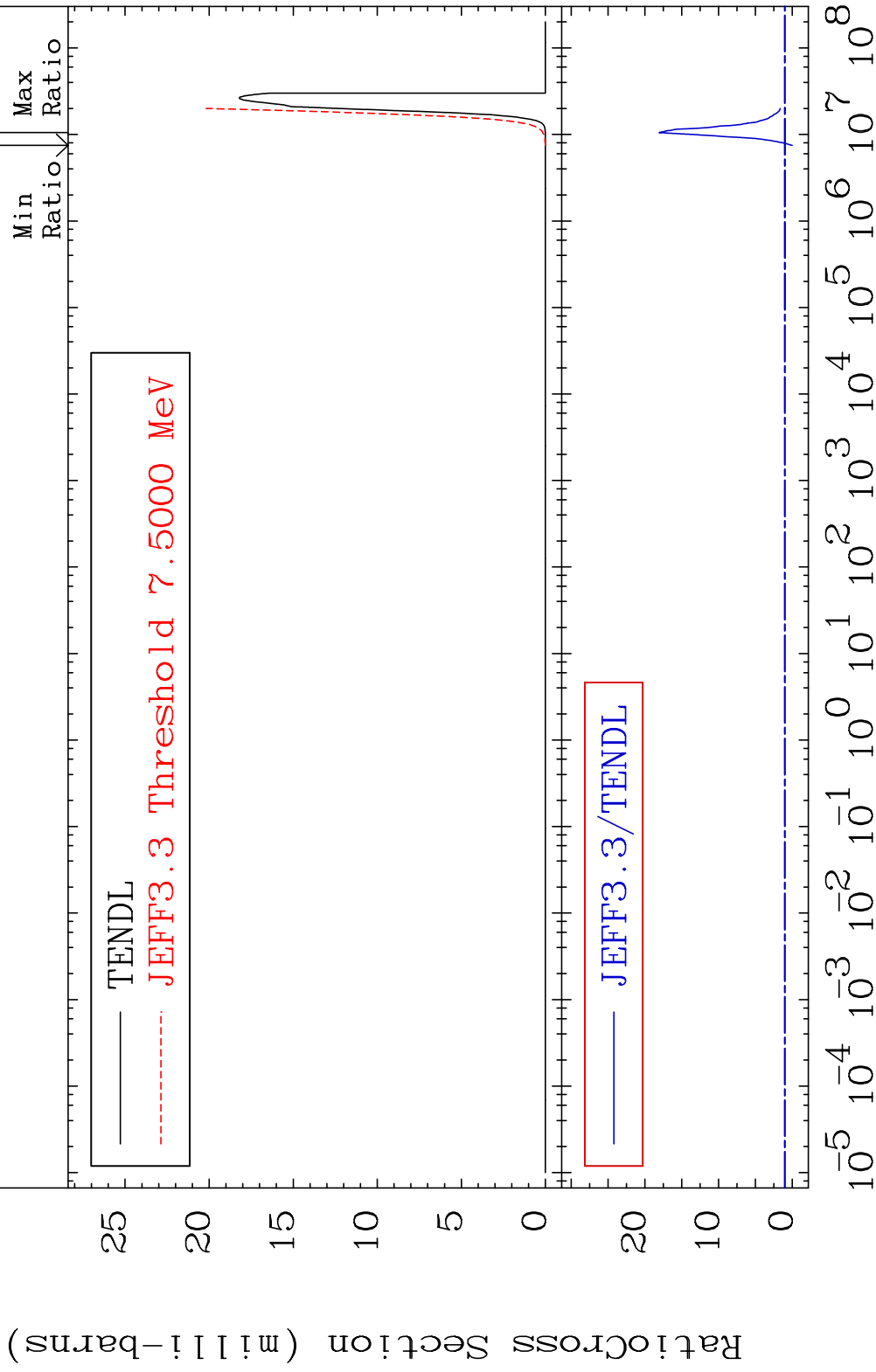


MAT 5843

(n, n') α

58-Ce-142

Cross Section -100.0 To 1708. %

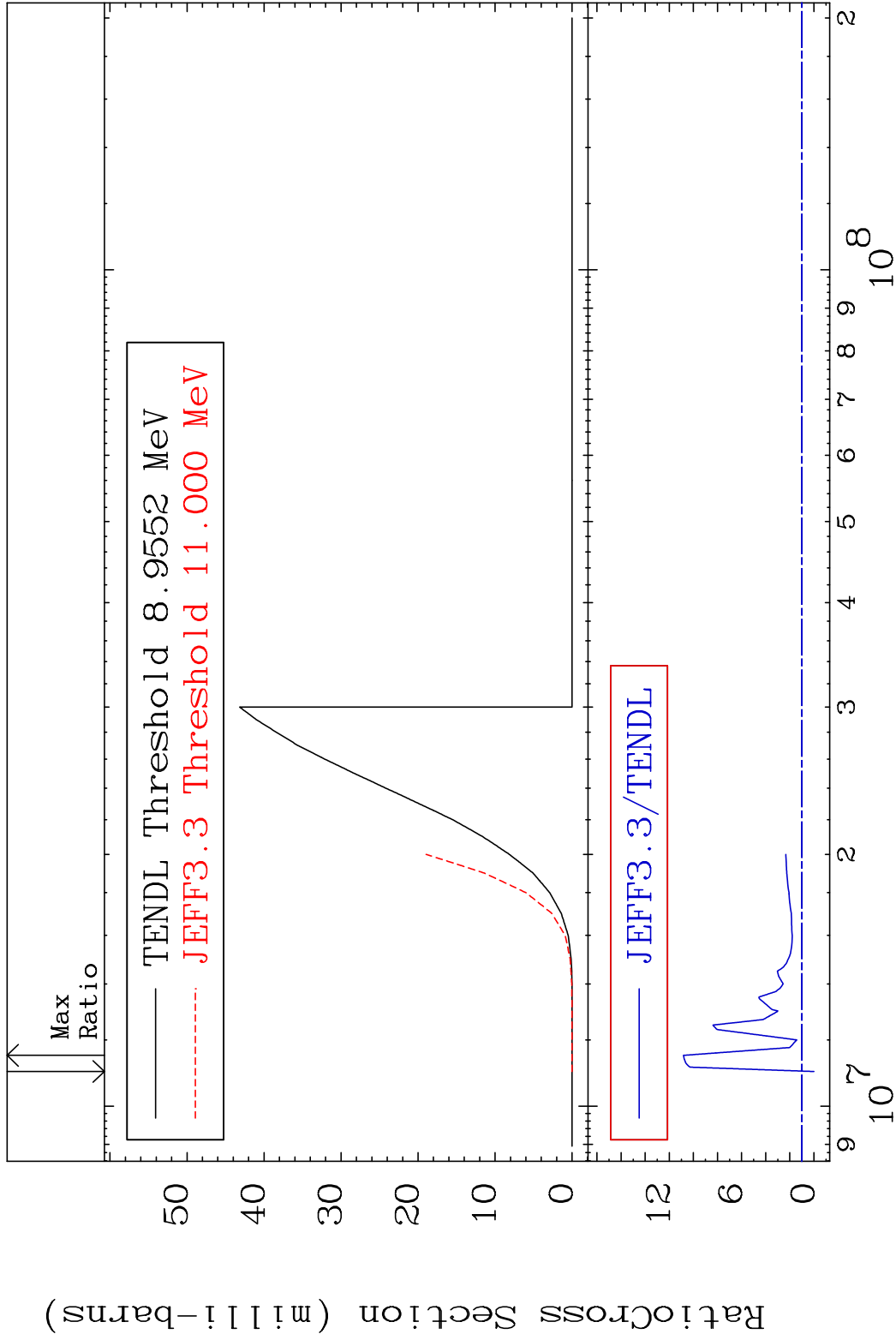


6

Incident Energy (eV)

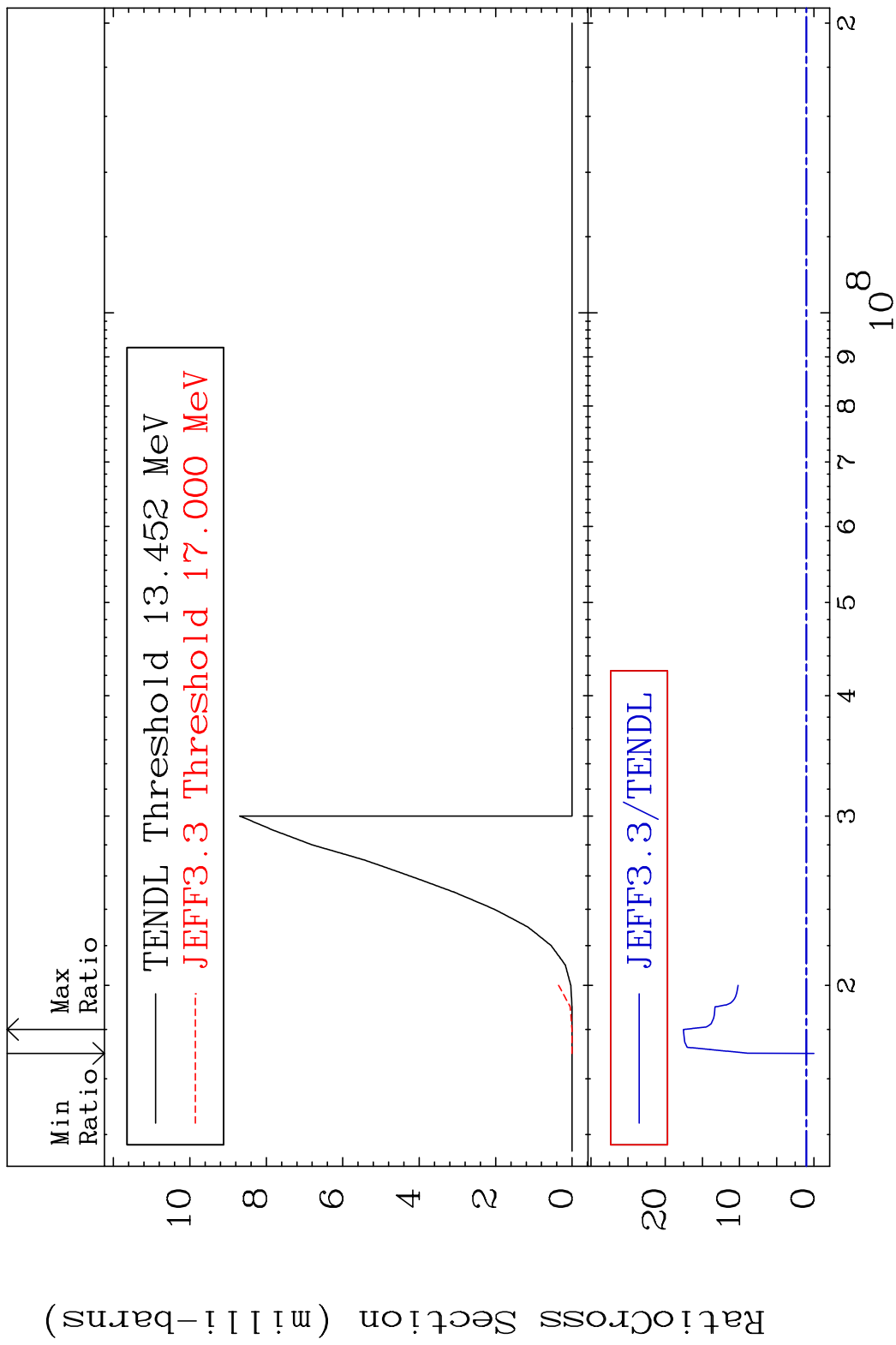
58-Ce-142

MAT 5843 (n, n') p 58-Ce-142
Cross Section -100.0 To 982.5 %



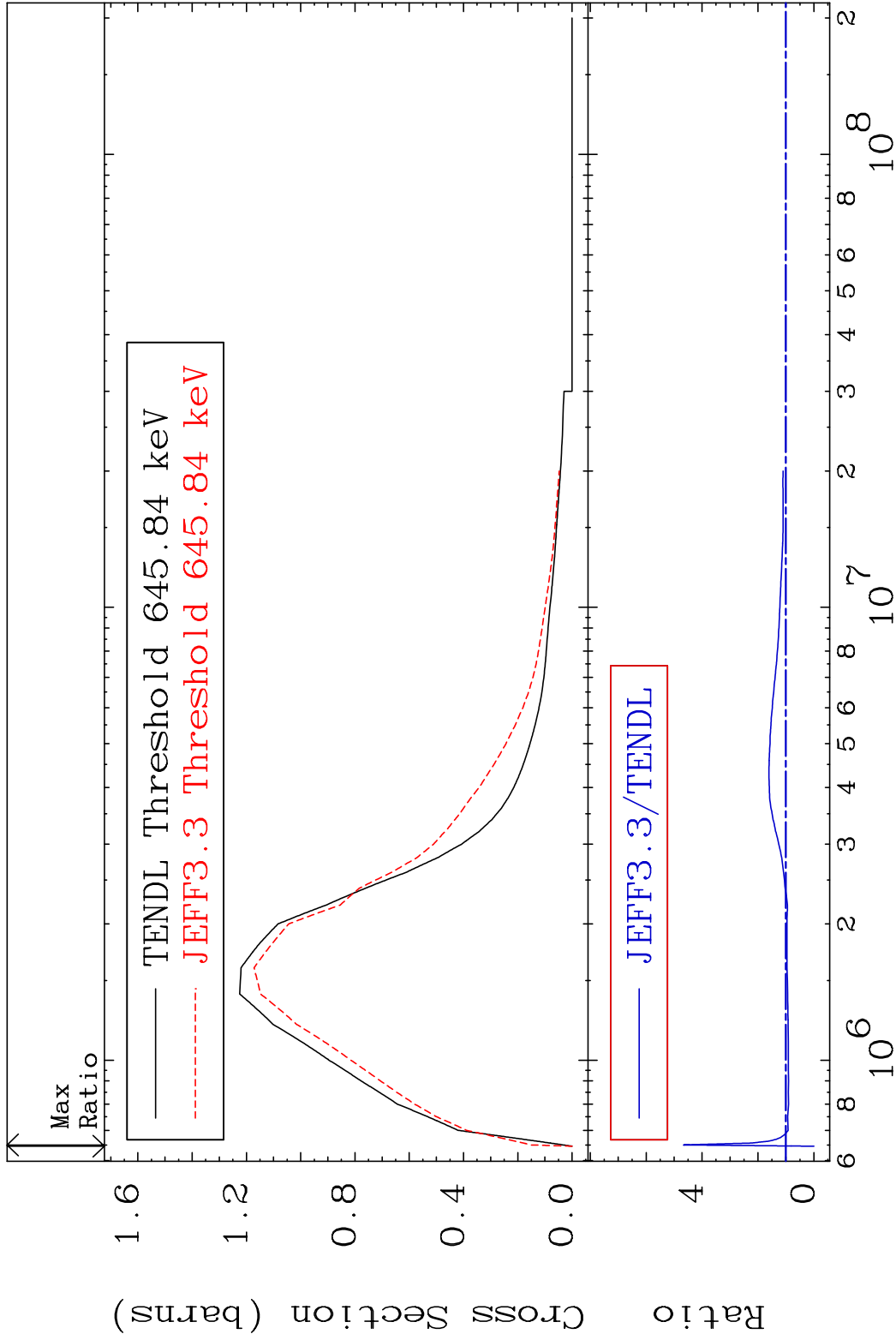
7 Incident Energy (eV) 58-Ce-142

MAT 5843 (n, n') d 58-Ce-142
 Cross Section -100.0 To 1655. %



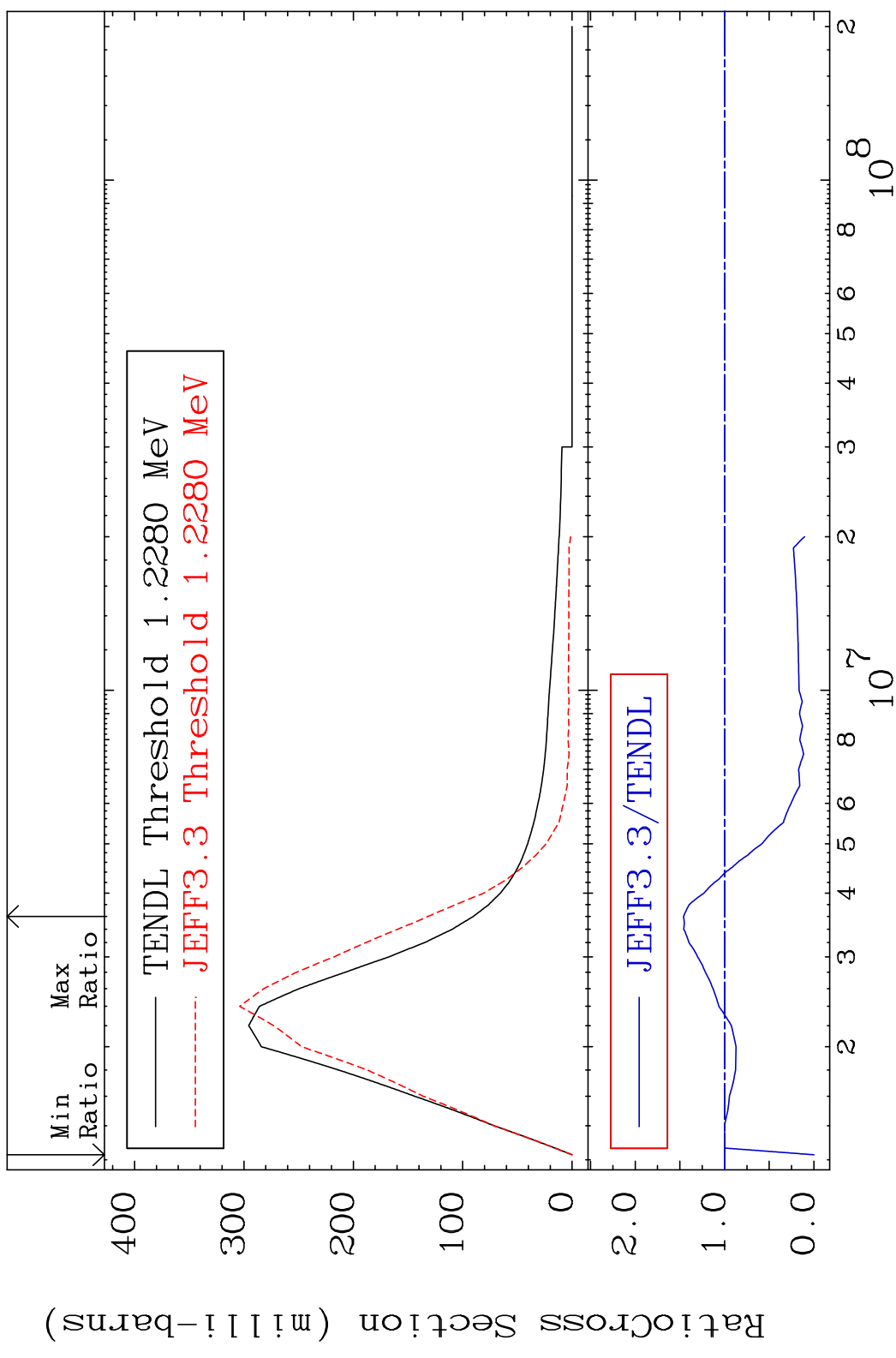
8 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 51 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 366.6 %



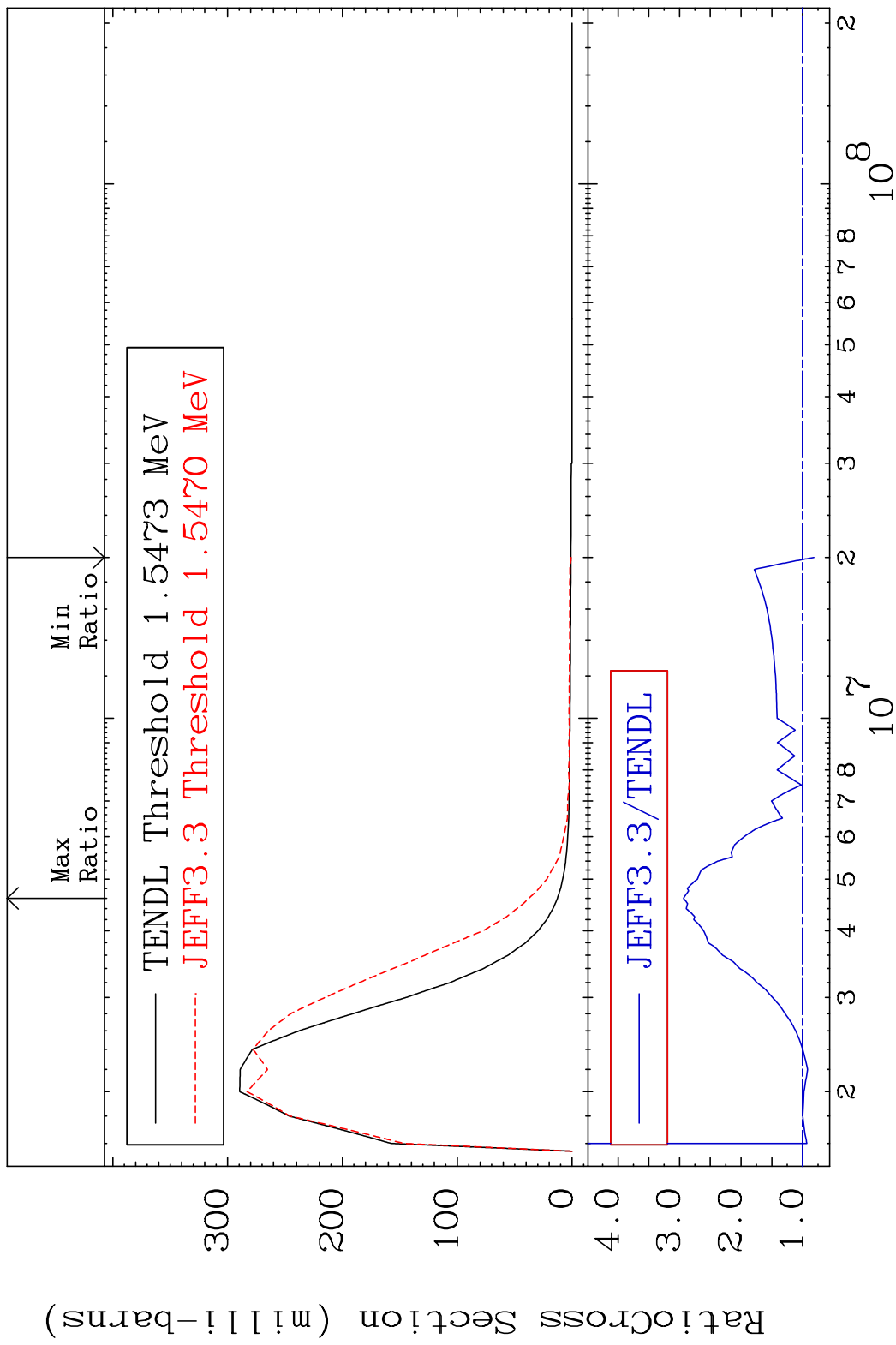
9 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 52 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 46.00 %



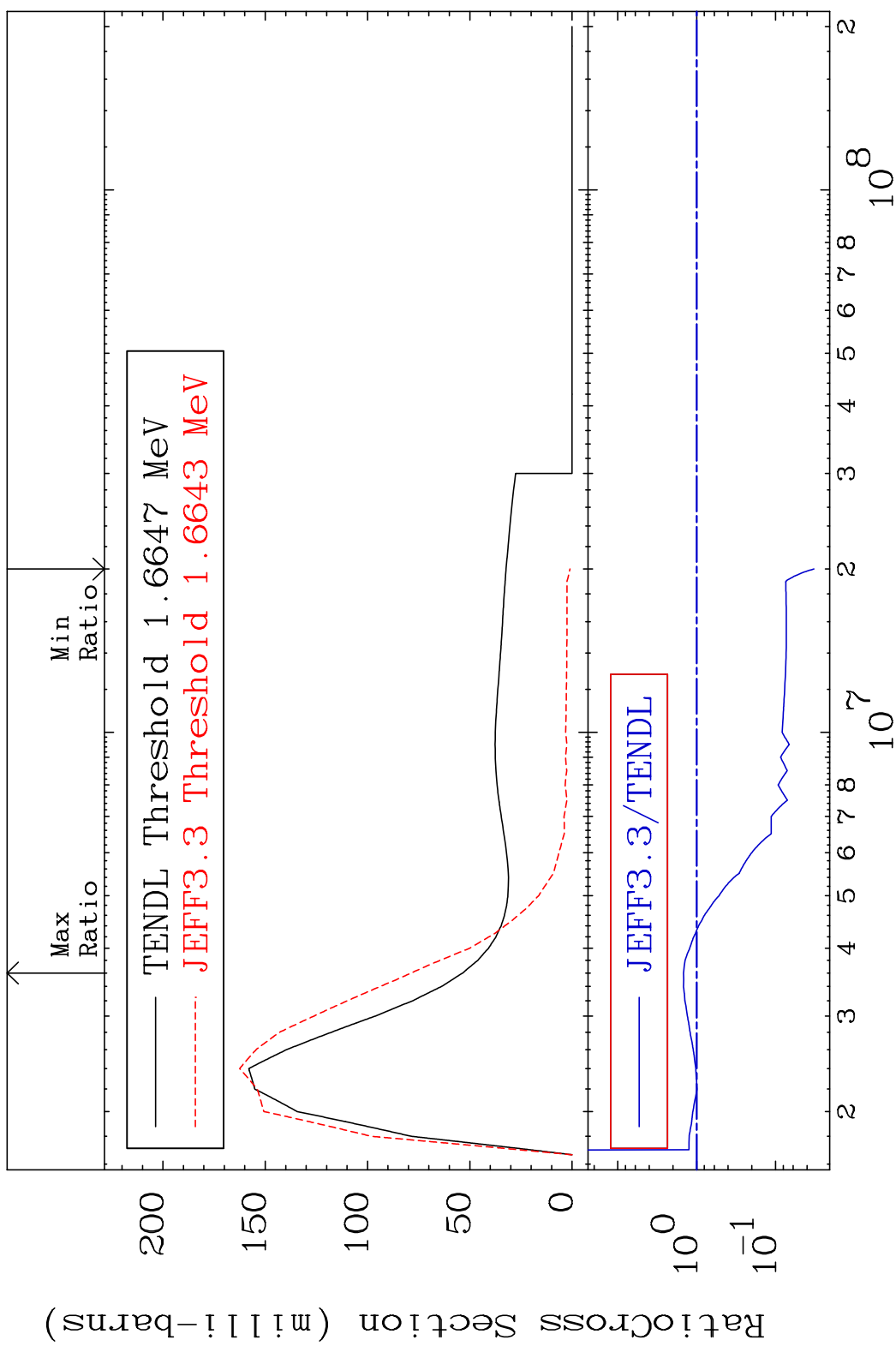
10 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 53 (n, n') Level 58-Ce-142
 Cross Section -18.36 To 193.7 %



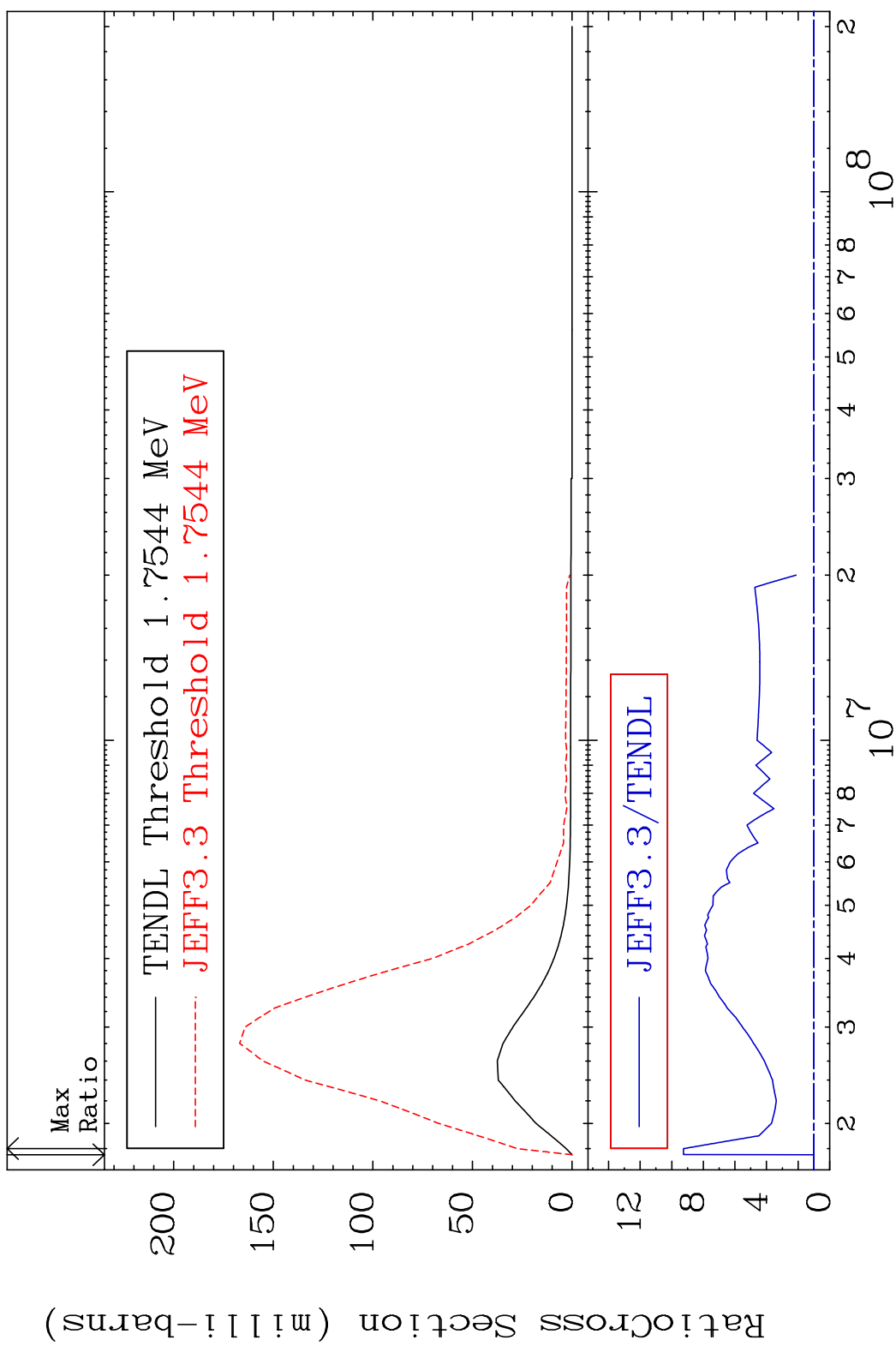
11 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 54 (n, n') Level 58-Ce-142
 Cross Section -96.72 To 47.28 %



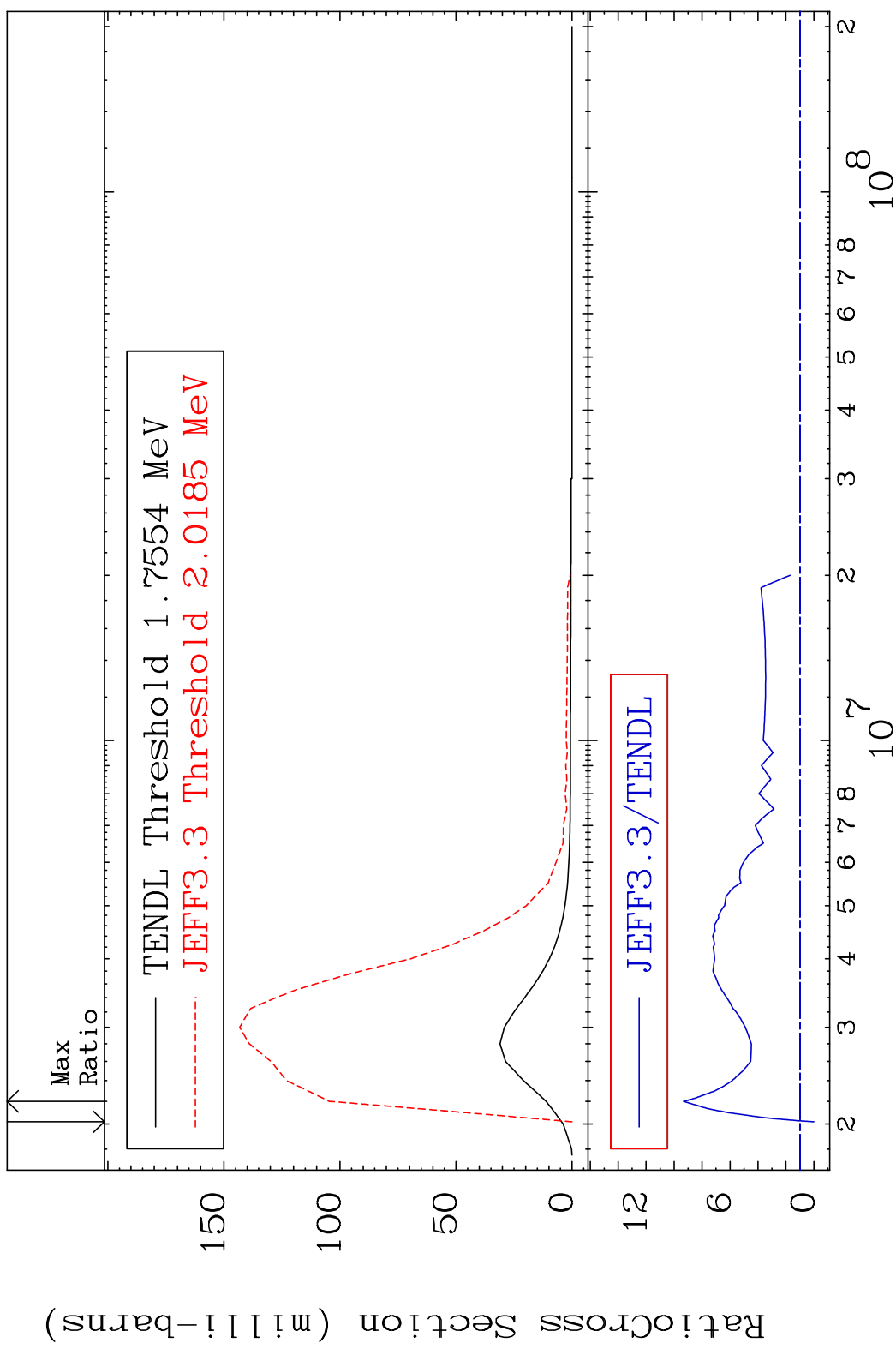
12 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 55 (n, n') Level 58-Ce-142
 Cross Section 0.000 To 825.9 %



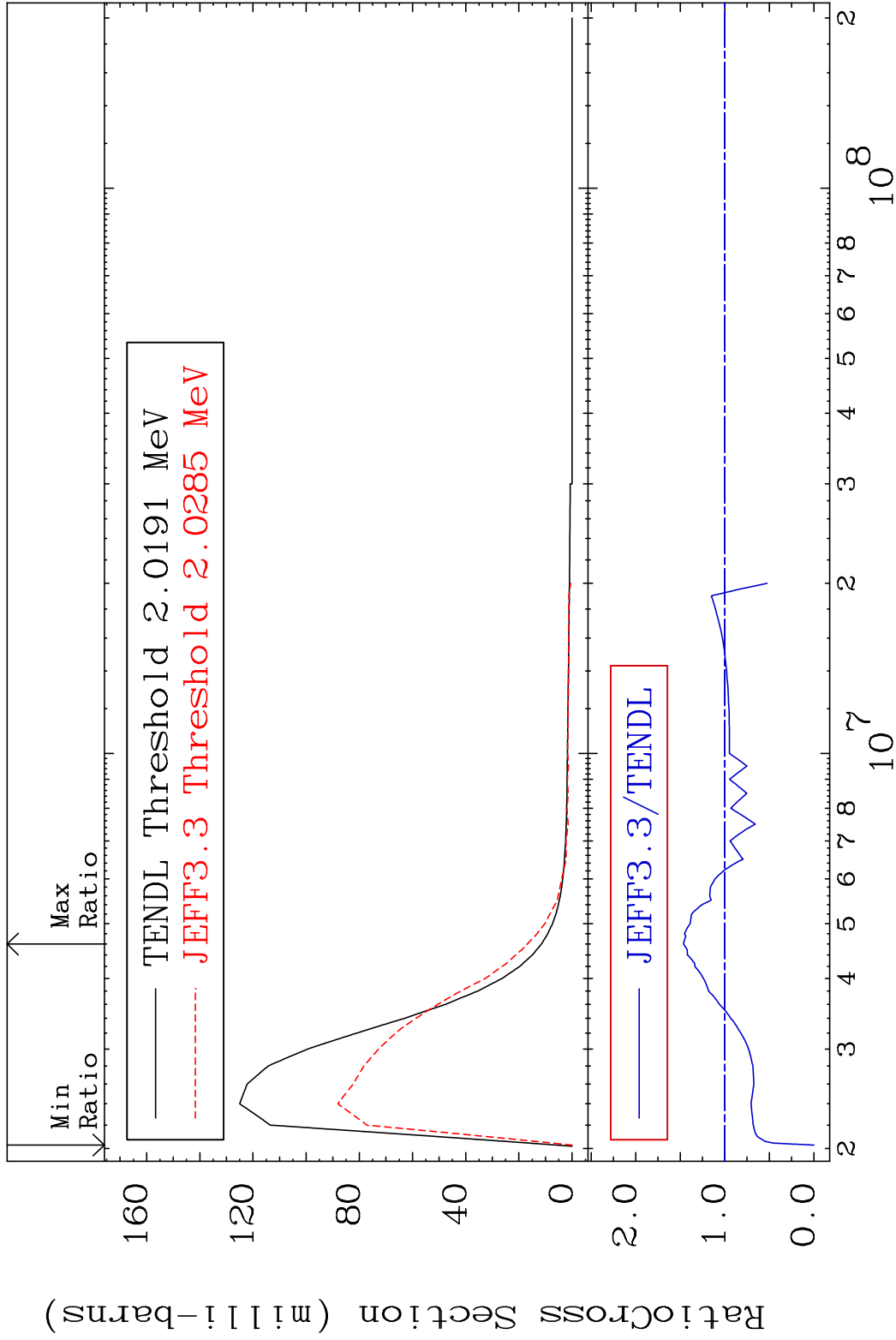
13 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 56 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 833.0 %



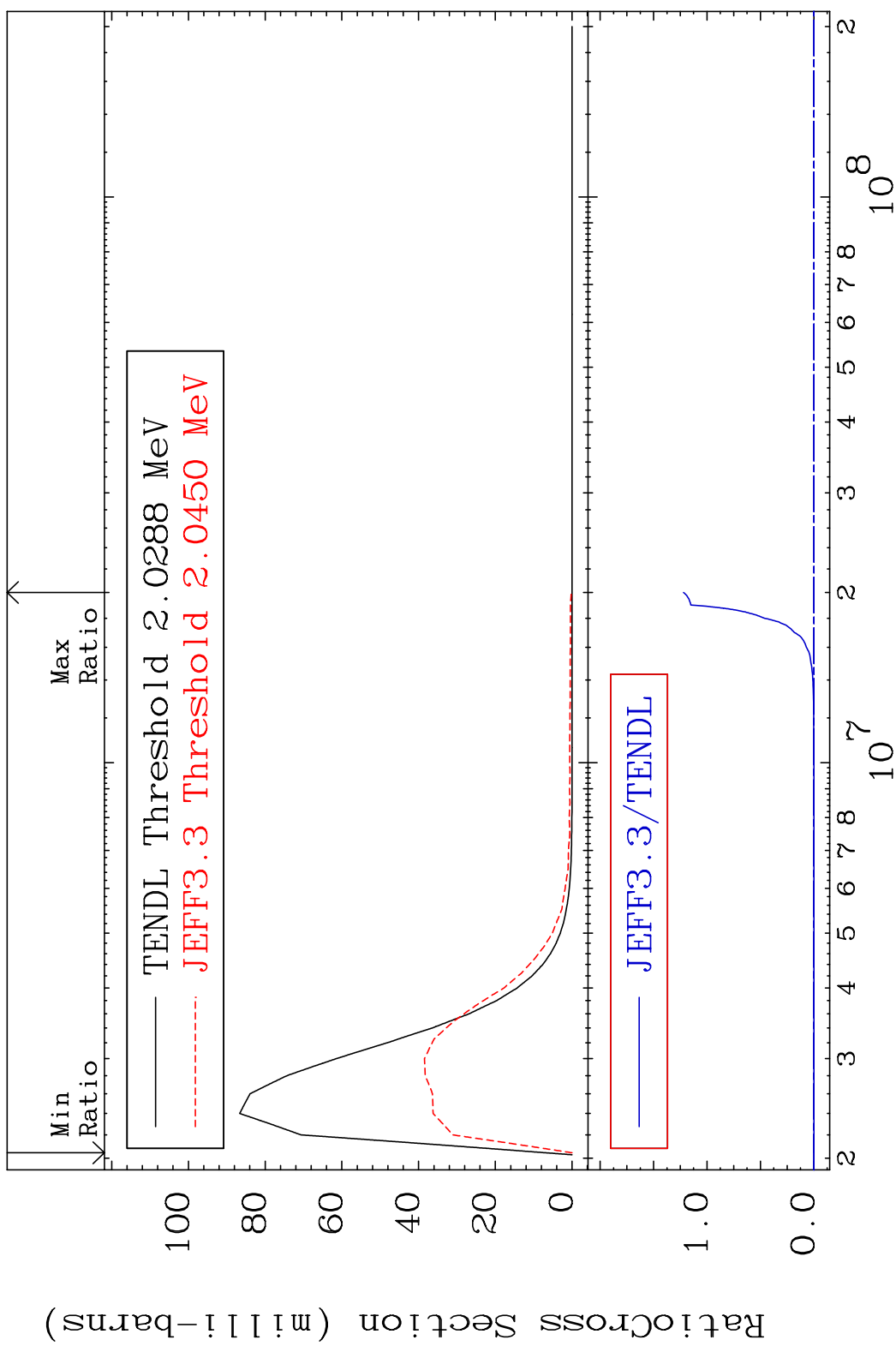
14 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 57 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 46.38 %



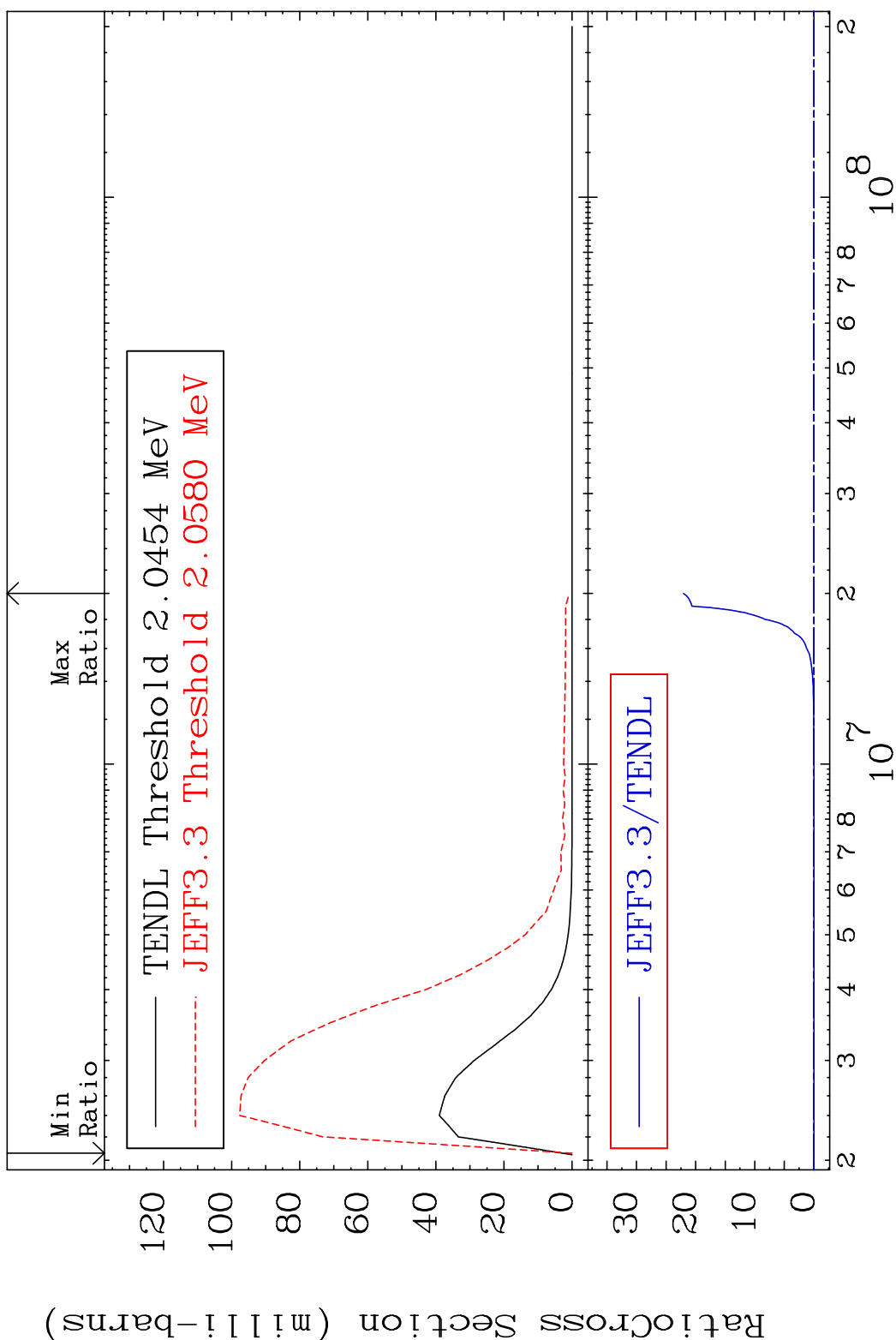
15 Incident Energy (eV) 58-Ce-142

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



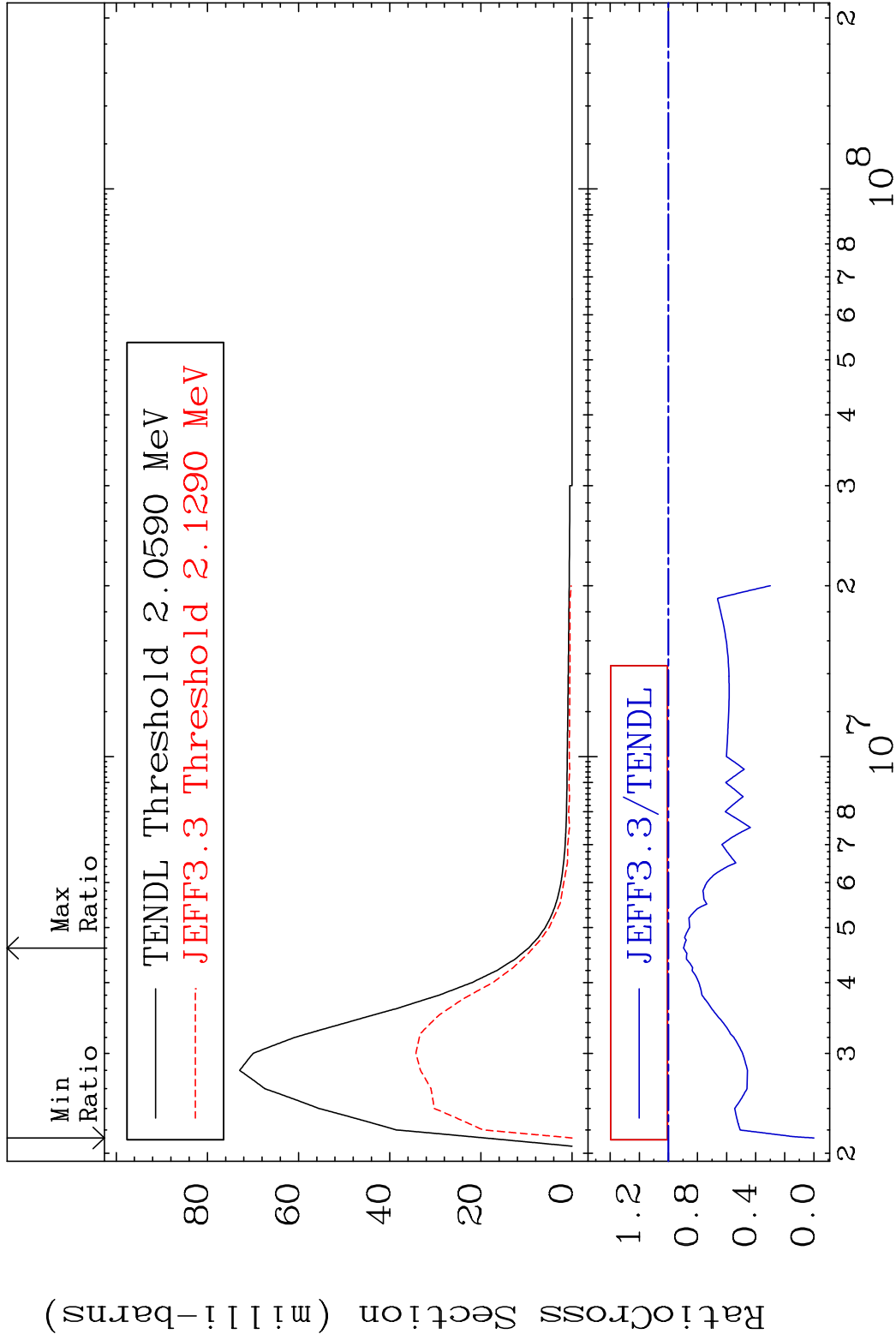
16 Incident Energy (eV) 58-Ce-142

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



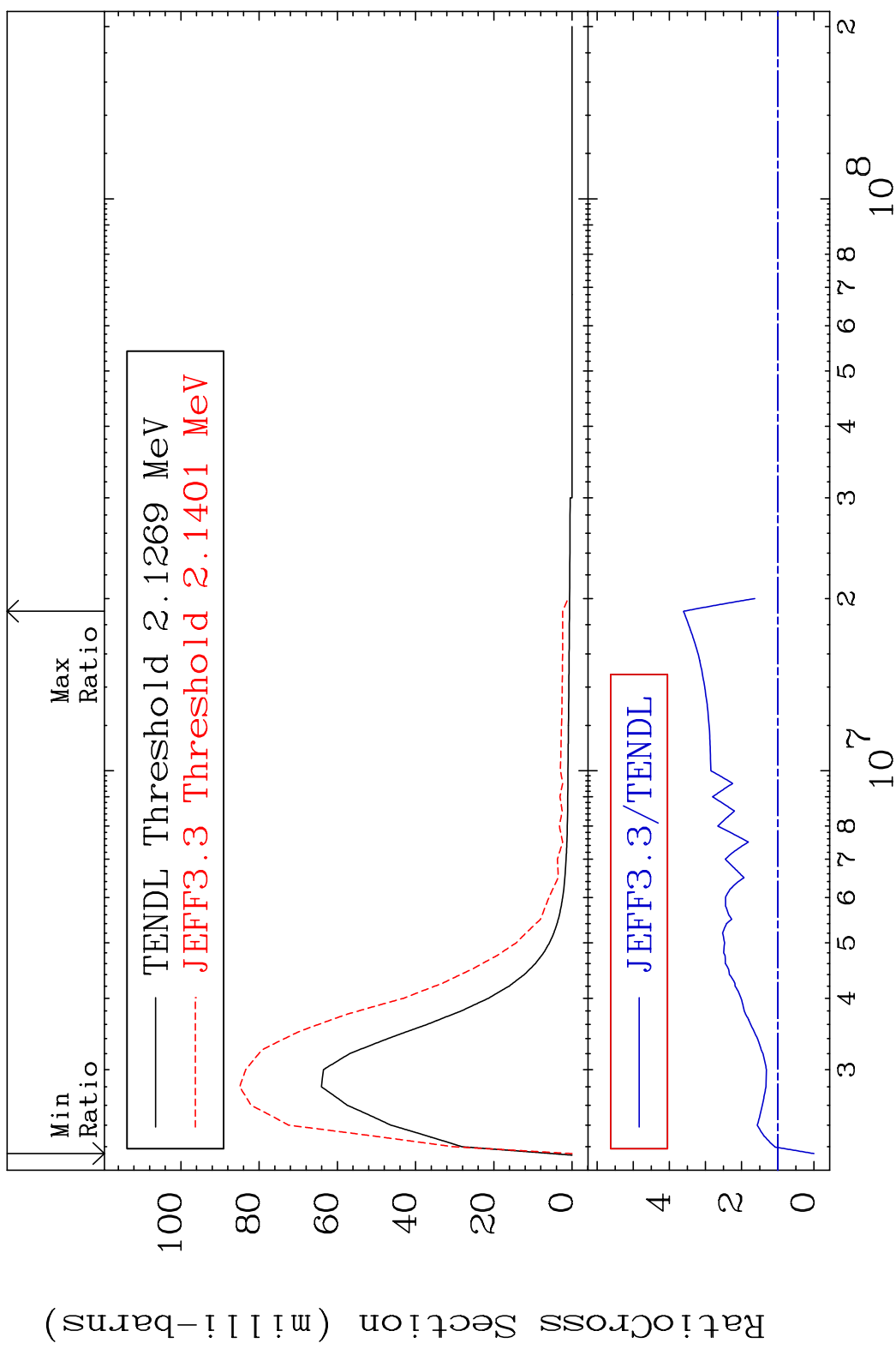
17 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 60 (n, n') Level 58-Ce-142
 Cross Section -100.0 To -10.32%



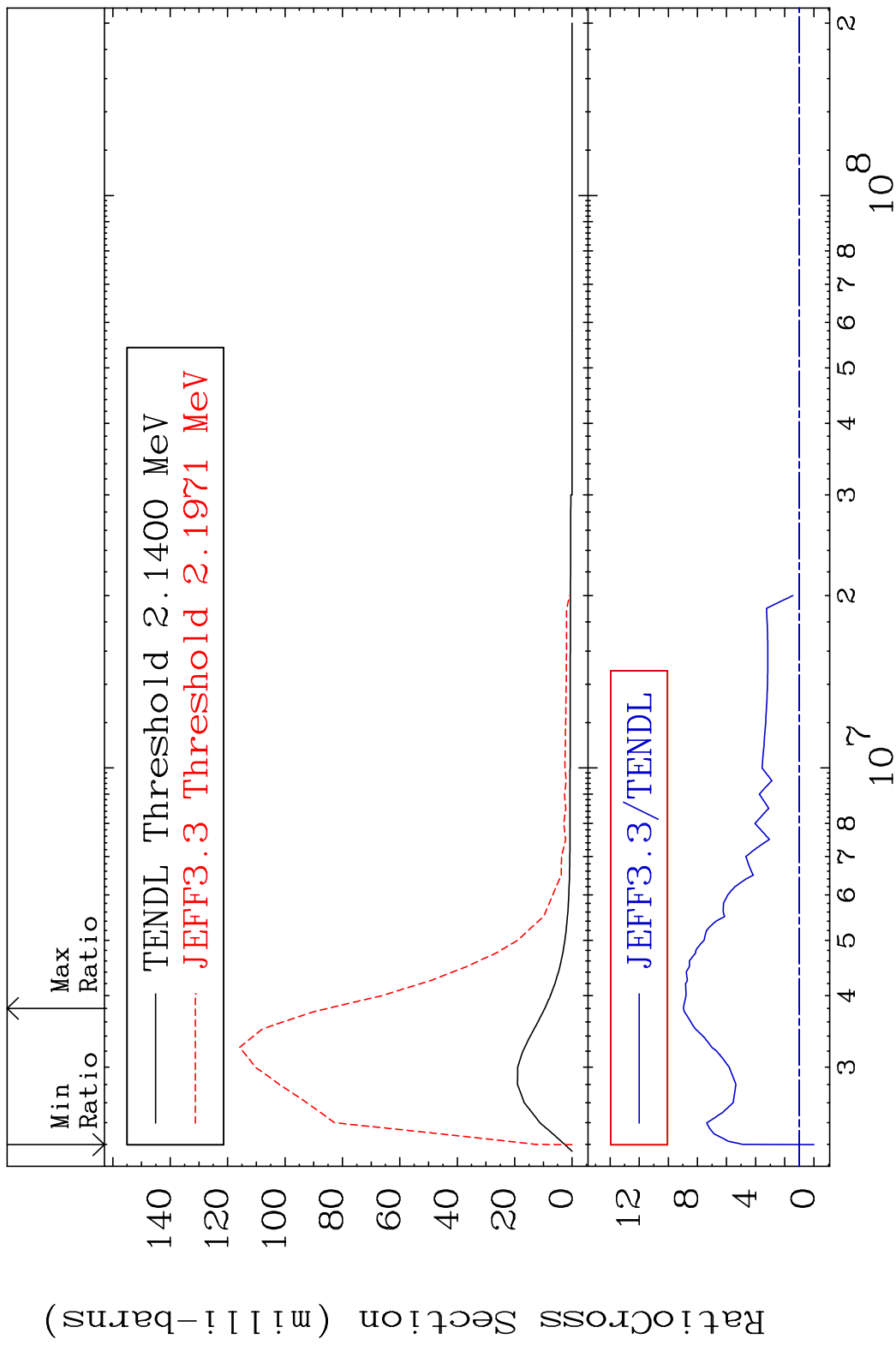
18 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 61 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 261.0 %



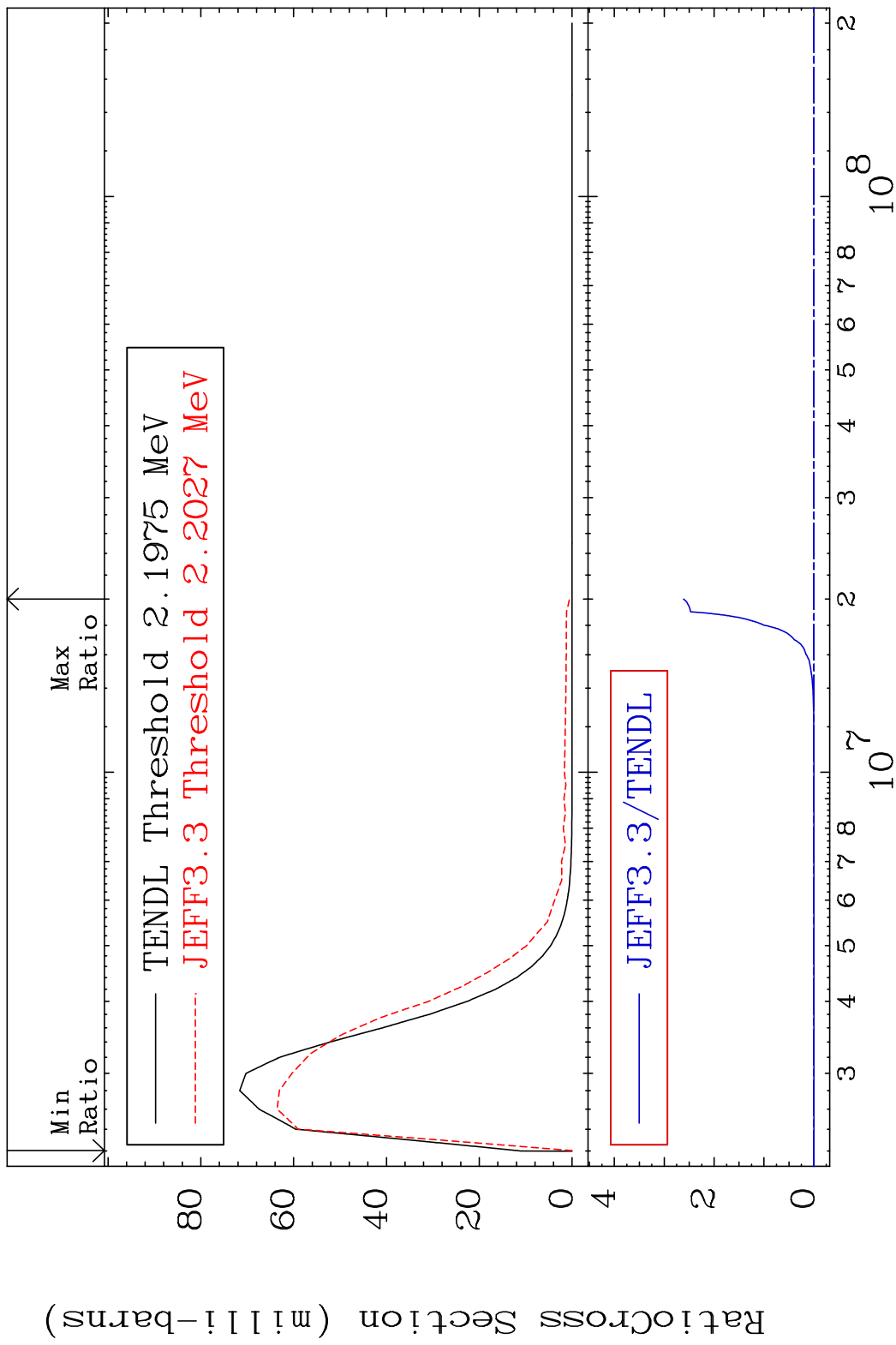
19 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 62 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 795.9 %



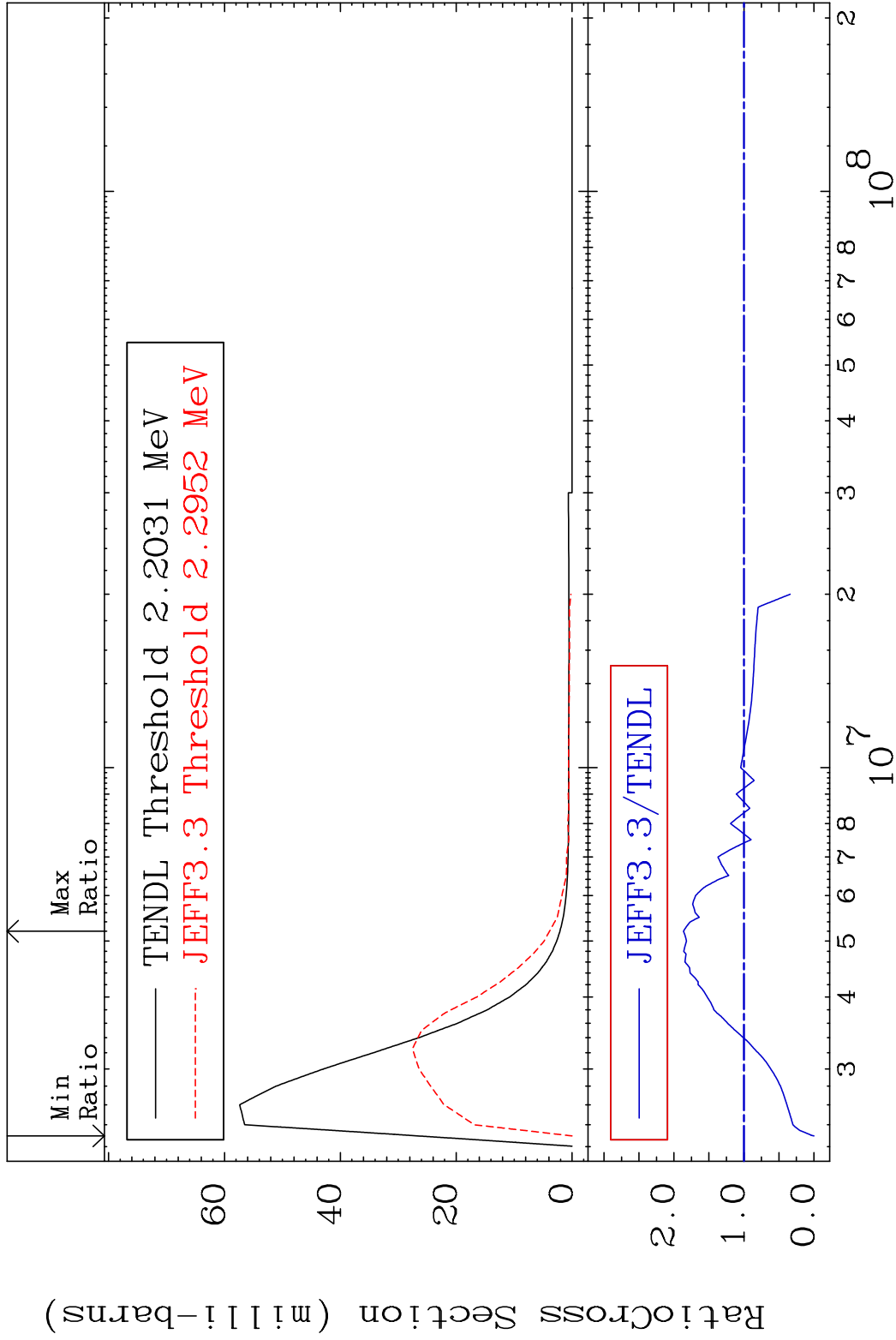
20 Incident Energy (eV) 58-Ce-142

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



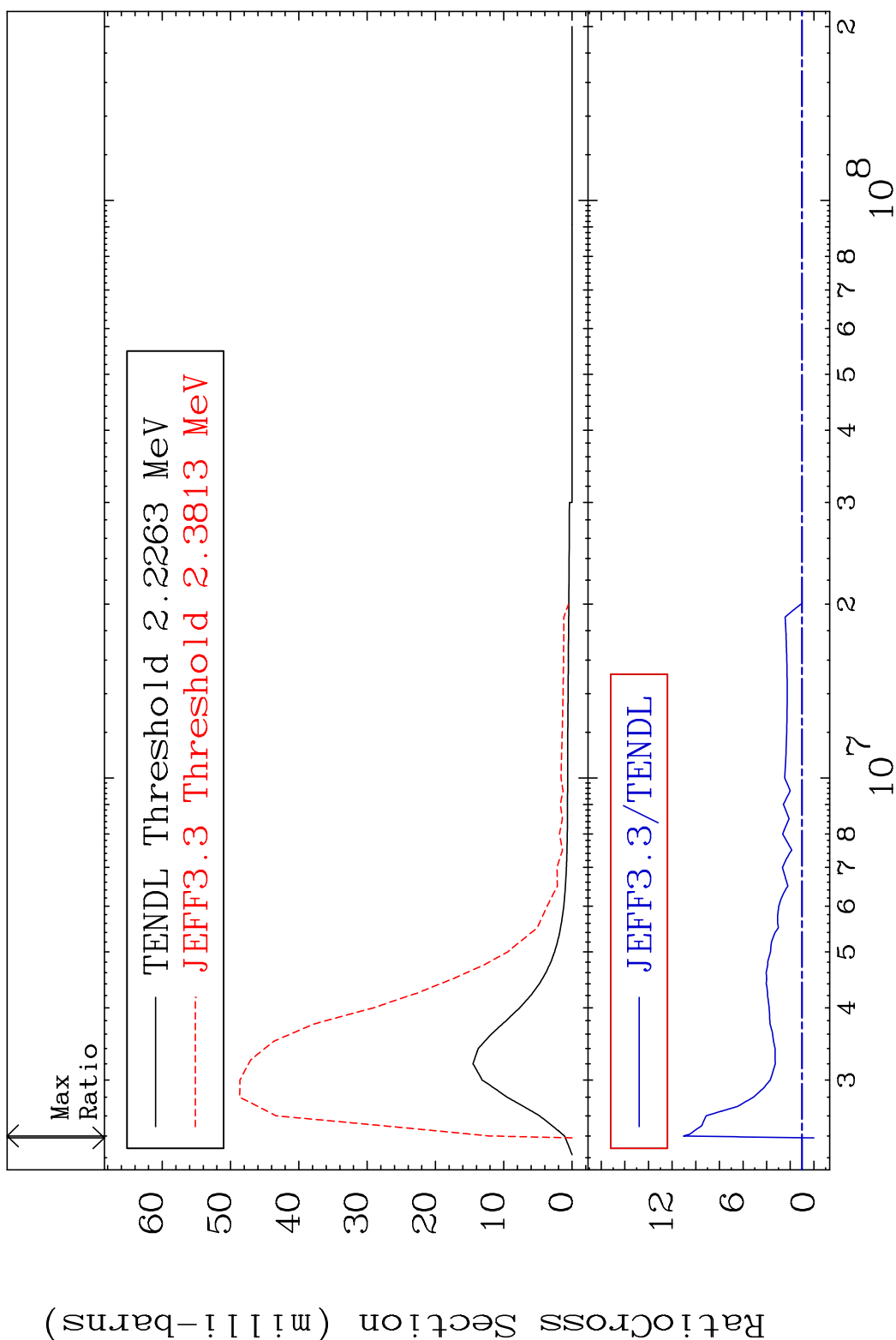
21 Incident Energy (eV) 58-Ce-142

MAT 5843 MT= 64 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 86.41 %



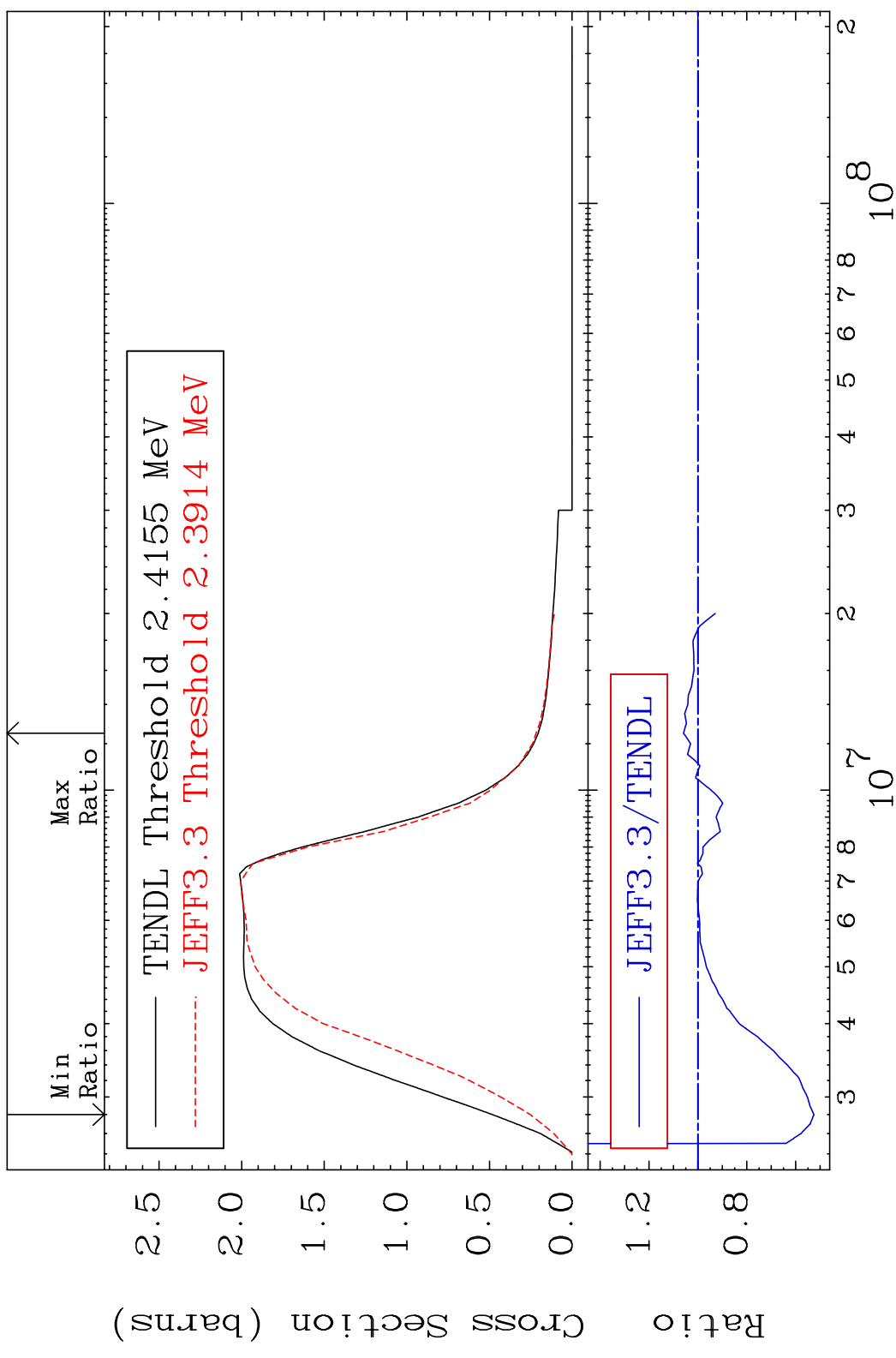
22 58-Ce-142

MAT 5843 MT= 65 (n, n') Level 58-Ce-142
 Cross Section -100.0 To 1004. %



23 Incident Energy (eV) 58-Ce-142

MAT 5843 (n, n') Continuum 58-Ce-142
 Cross Section -47.44 To 5.931 %



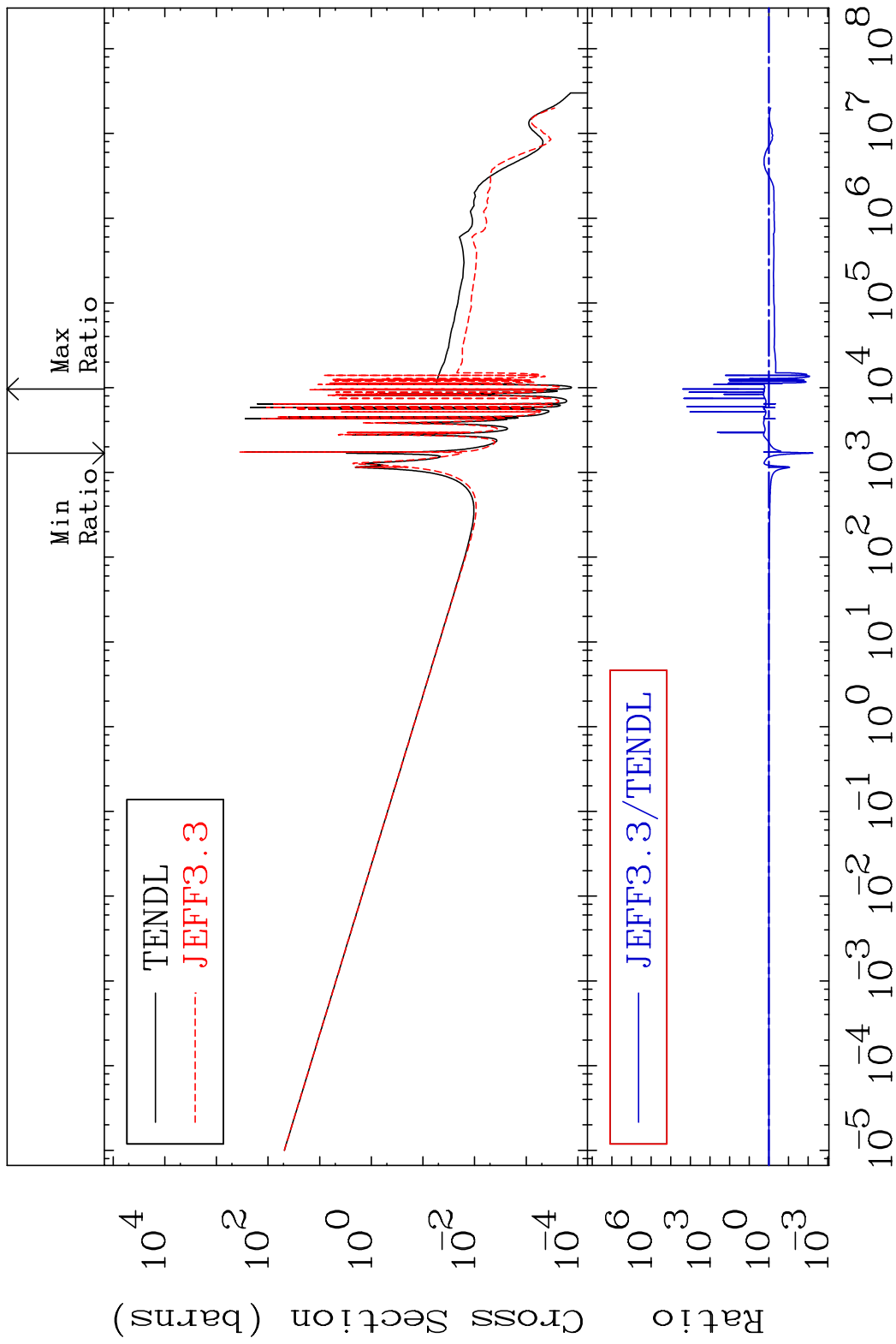
24 Incident Energy (eV) 58-Ce-142

MAT 5843

(n, γ)

58-Ce-142

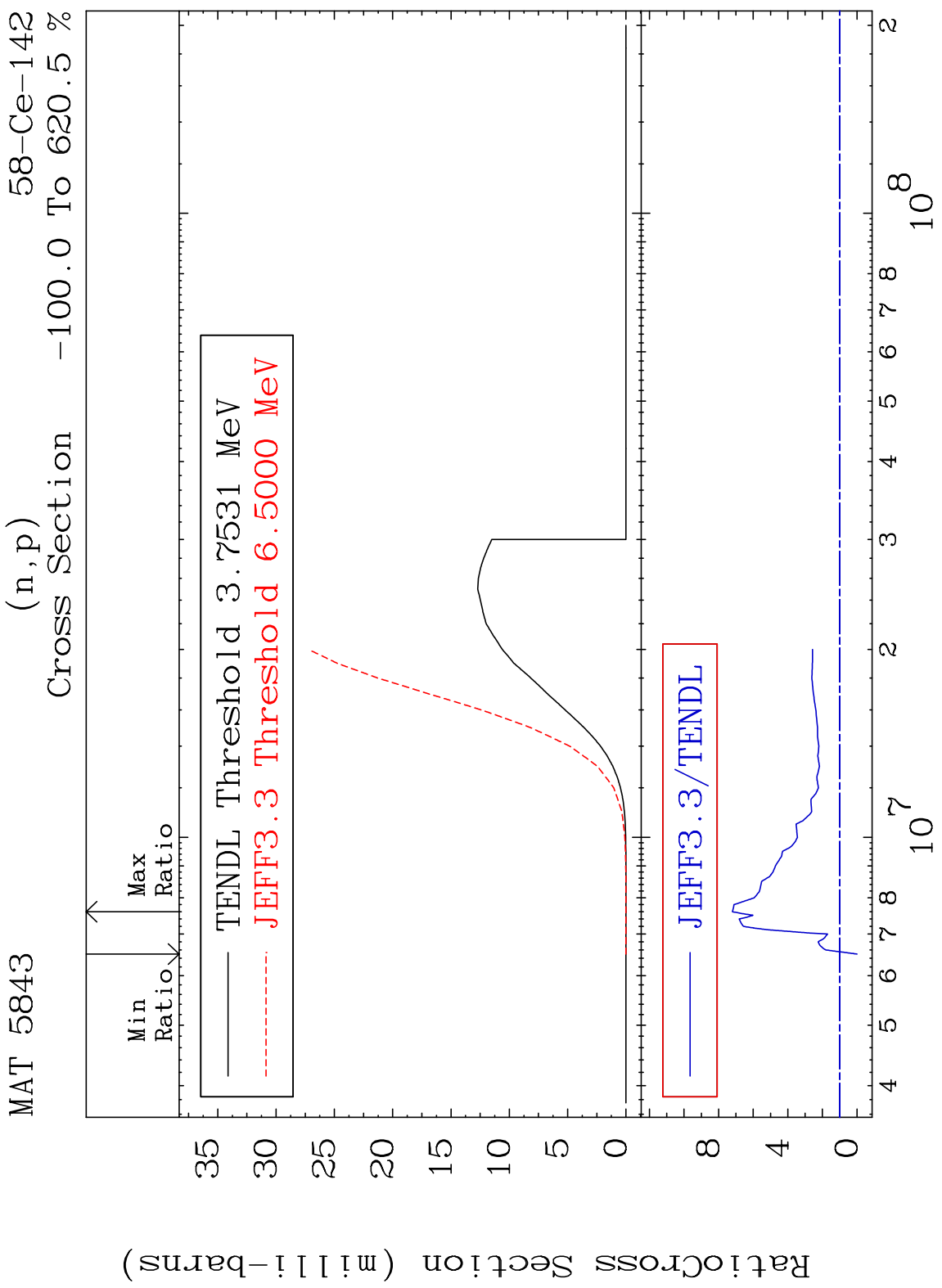
Cross Section -99.44 To 9999. %



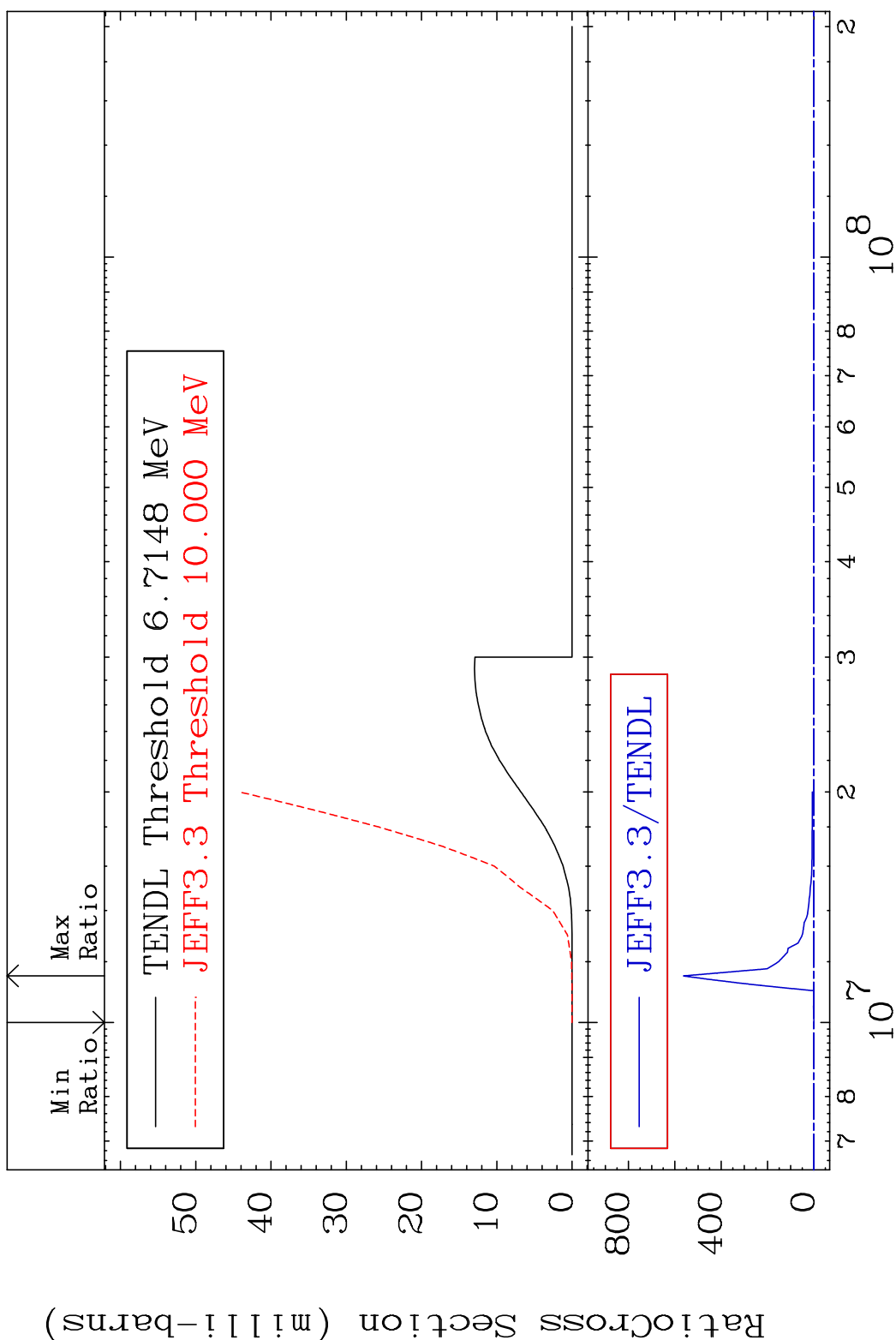
25

Incident Energy (eV)

58-Ce-142

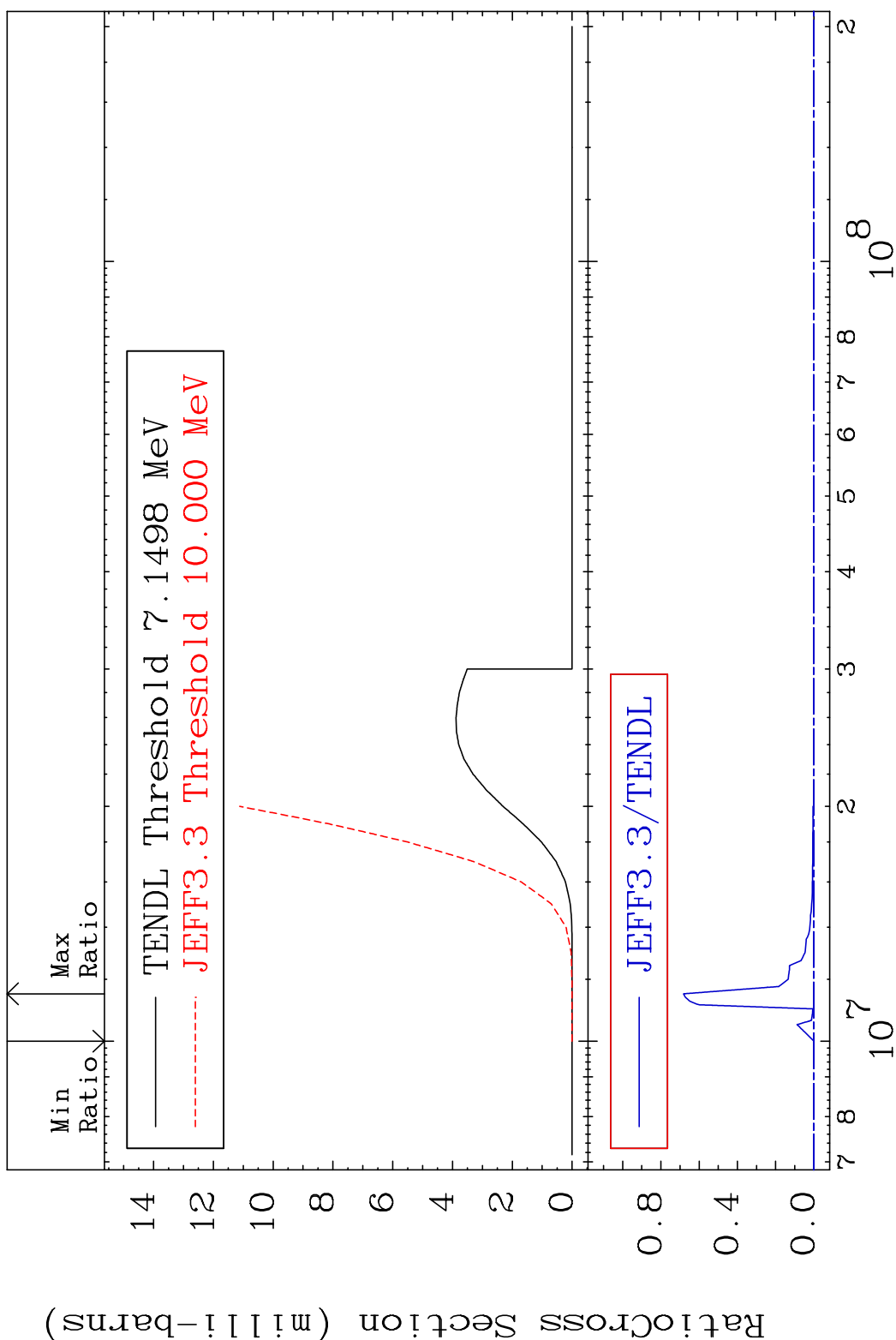


MAT 5843 (n, d) 58-Ce-142
 Cross Section -100.0 To 9999. %

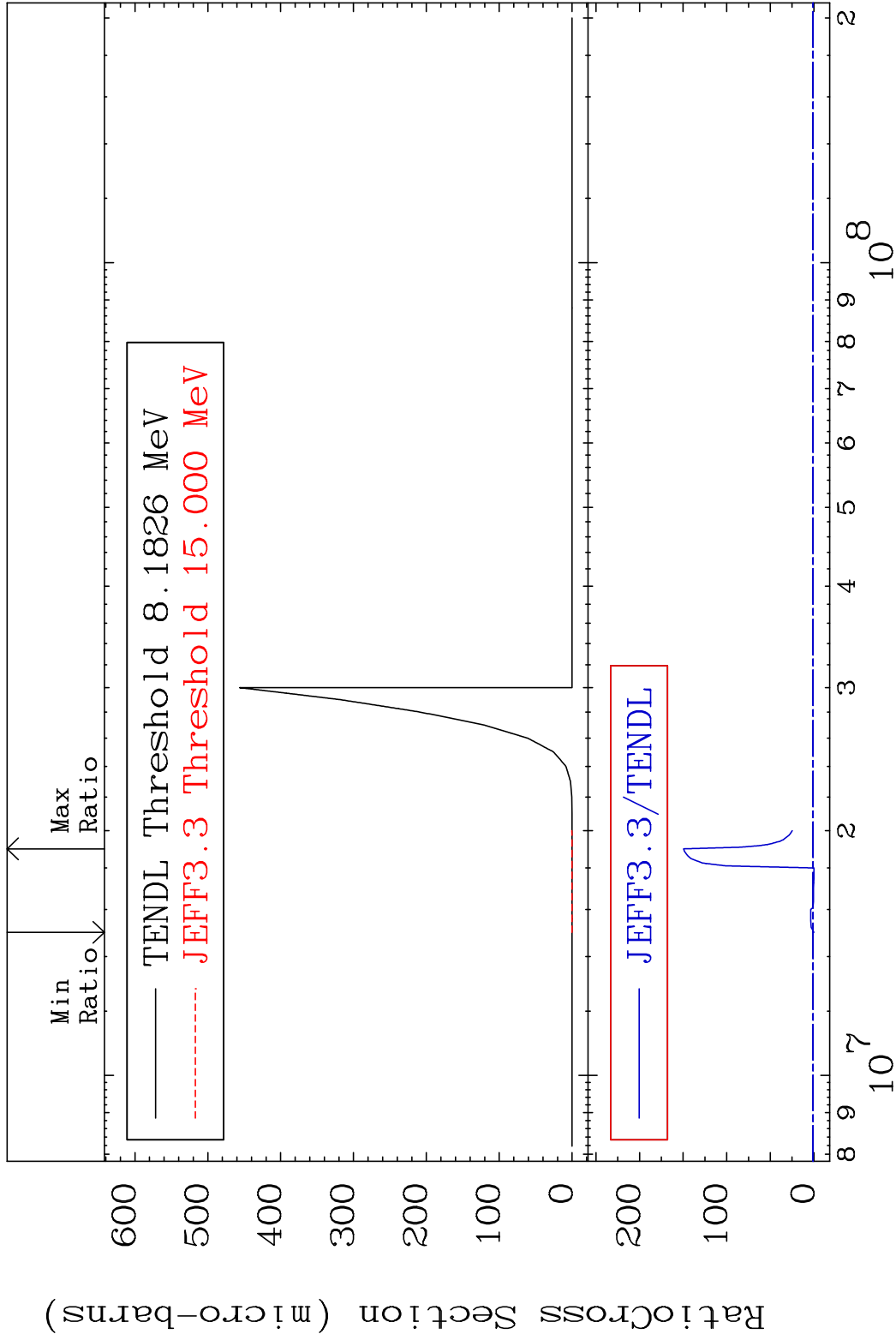


27 Incident Energy (eV) 58-Ce-142

MAT 5843 (n, t) 58-Ce-142
 Cross Section -100.0 To 9999. %



MAT 5843 (n, He-3) 58-Ce-142
 Cross Section -100.0 To 9999. %

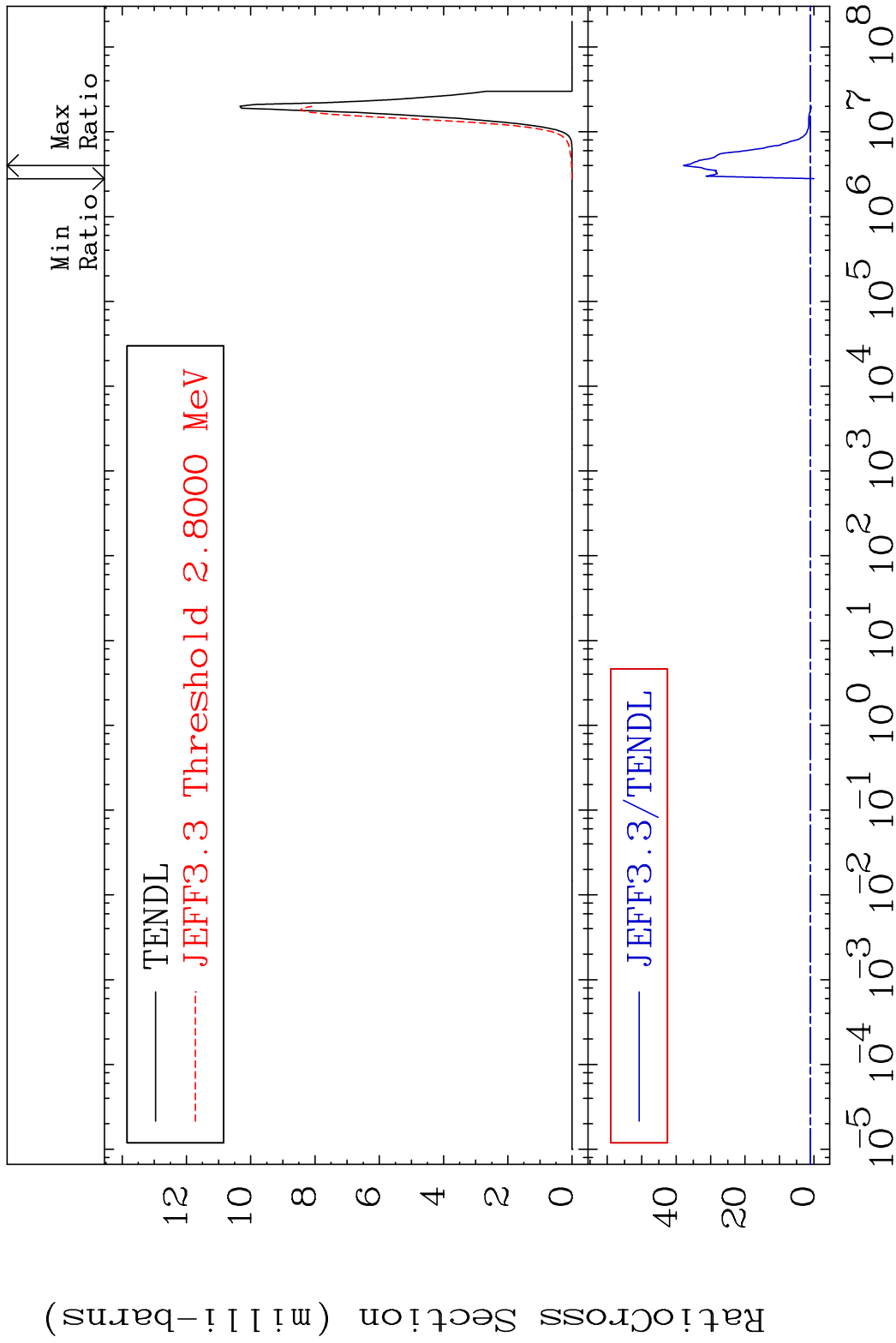


MAT 5843

(n, α)

58-Ce-142

Cross Section -100.0 To 3687. %

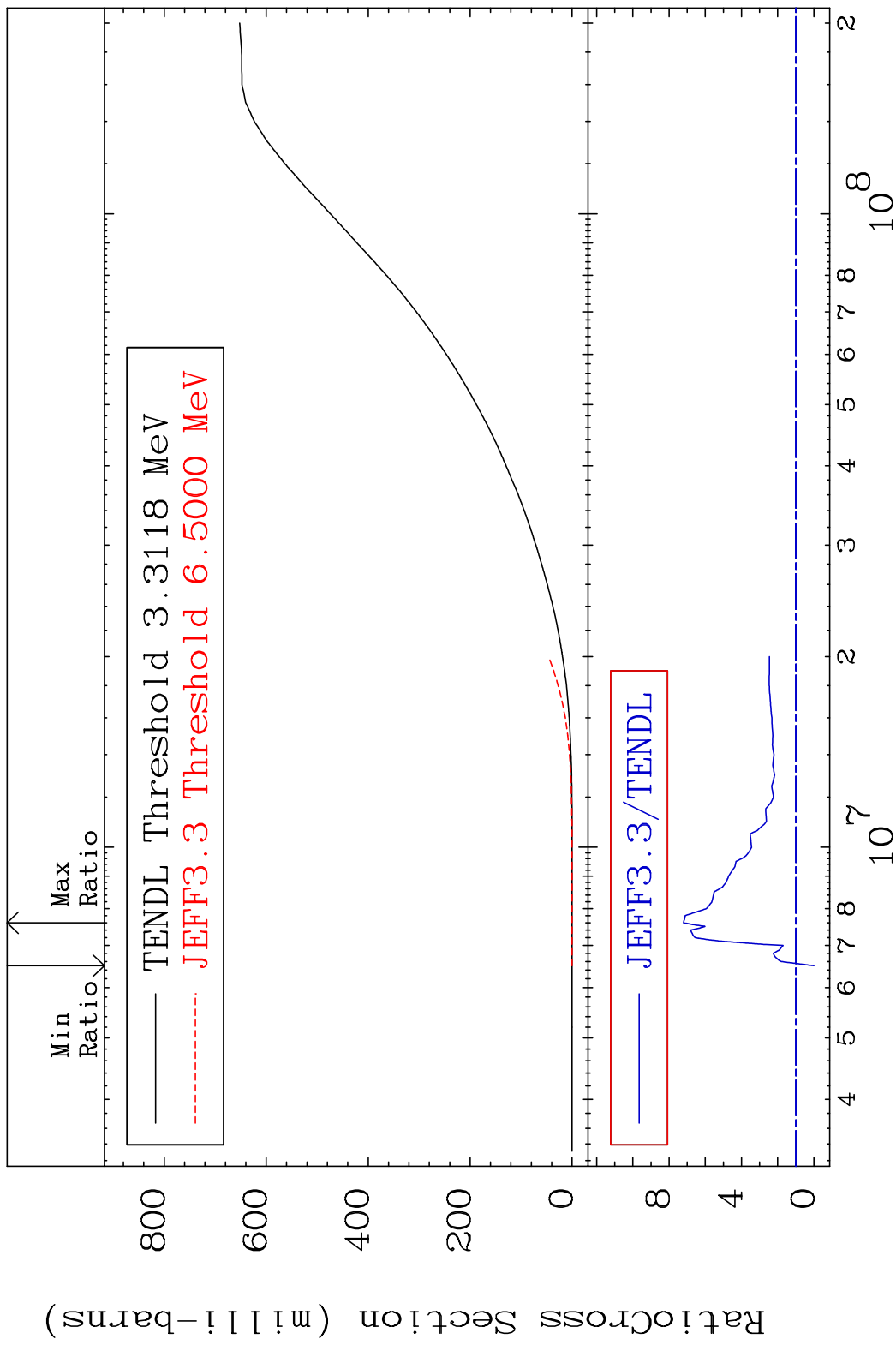


30

Incident Energy (eV)

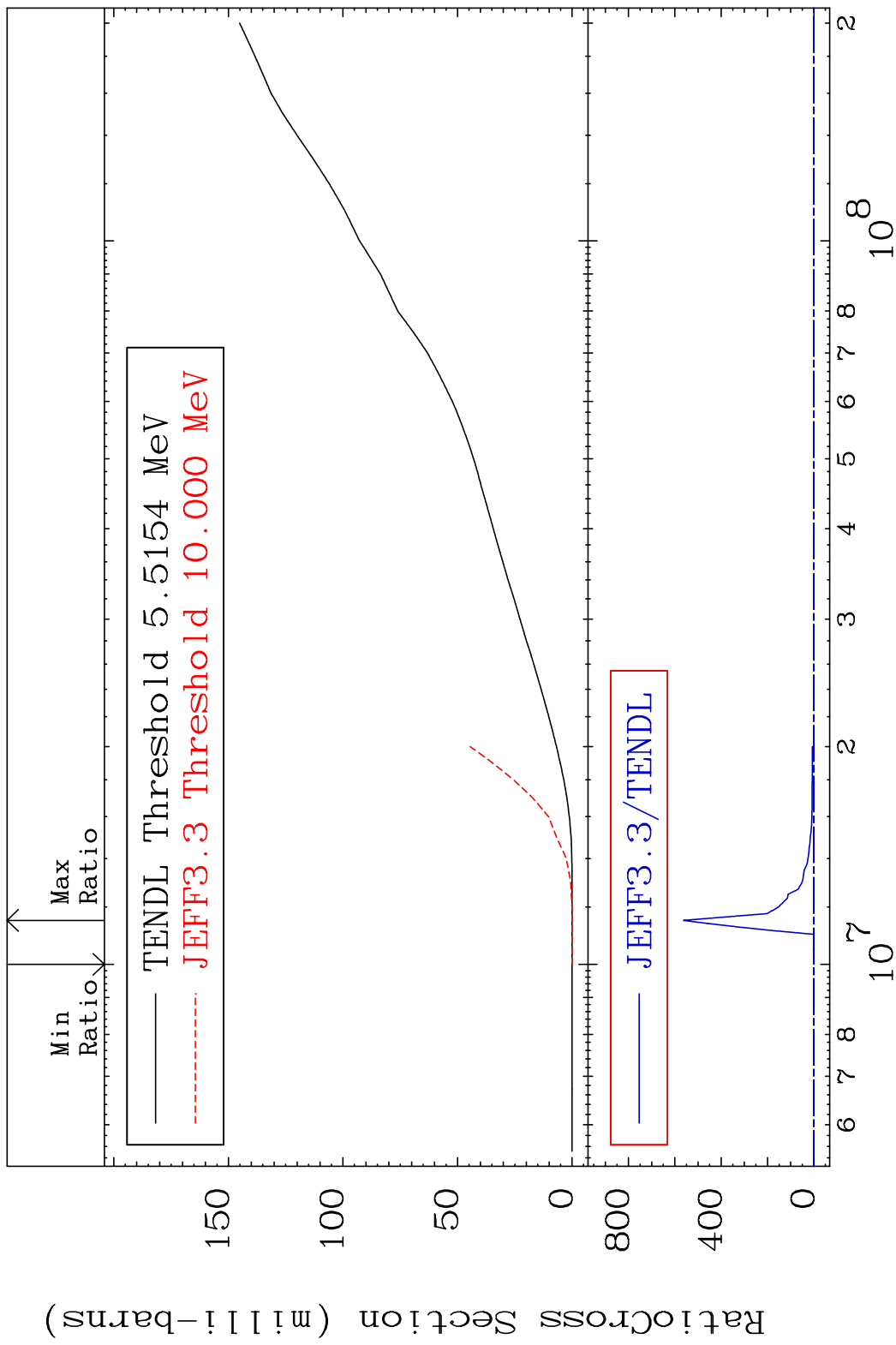
58-Ce-142

MAT 5843 Hydrogen Production 58-Ce-142
 Cross Section -100.0 To 620.5 %



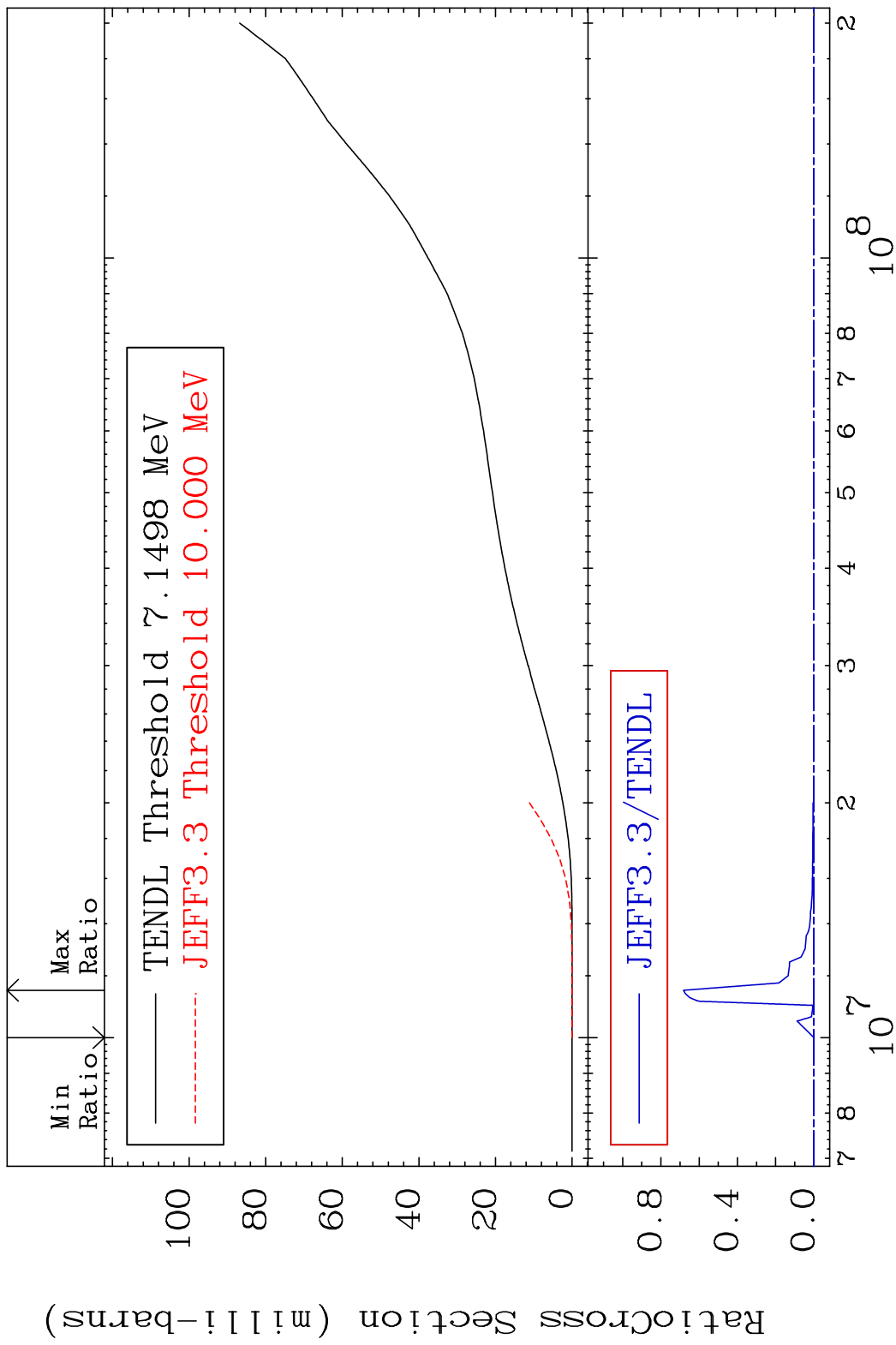
31 Incident Energy (eV) 58-Ce-142

MAT 5843 Deuterium Production 58-Ce-142
 Cross Section -100.0 To 9999. %



32 Incident Energy (eV) 58-Ce-142

MAT 5843 Tritium Production 58-Ce-142
 Cross Section -100.0 To 9999. %



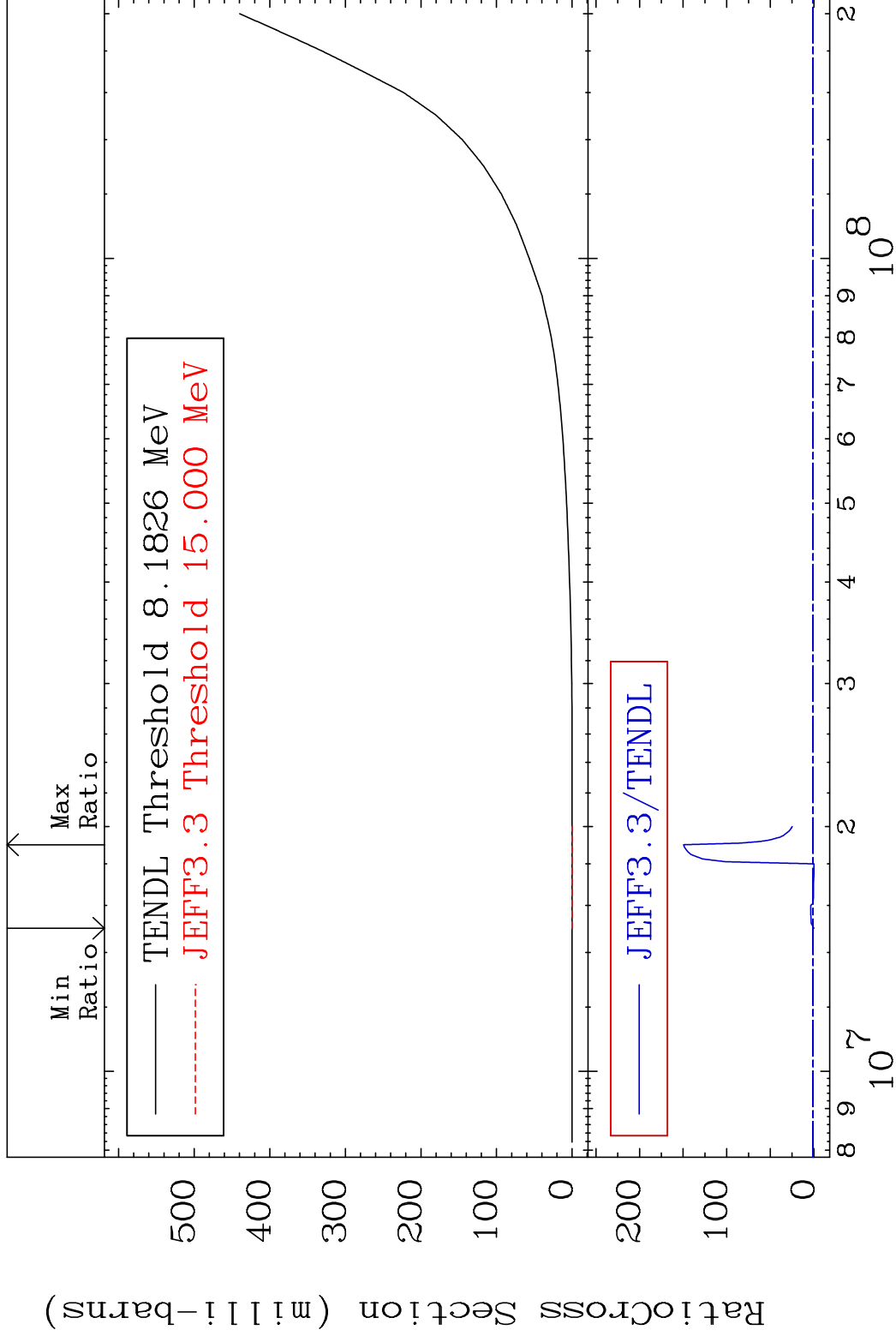
33 Incident Energy (eV) 58-Ce-142

MAT 5843

He-3 Production

58-Ce-142

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

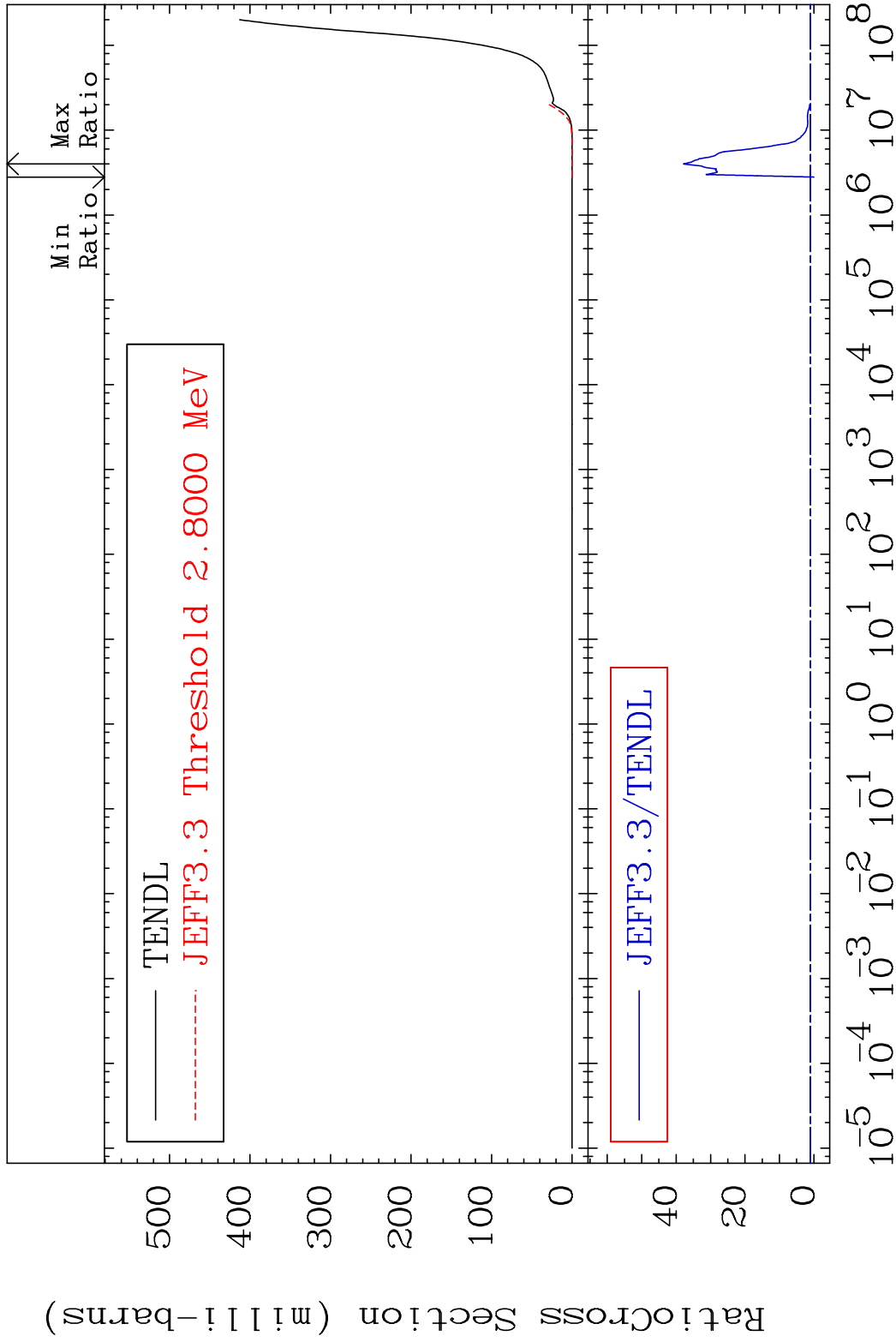
58-Ce-142

MAT 5843

He-4 Production

58-Ce-142

Cross Section -100.0 To 3687. %

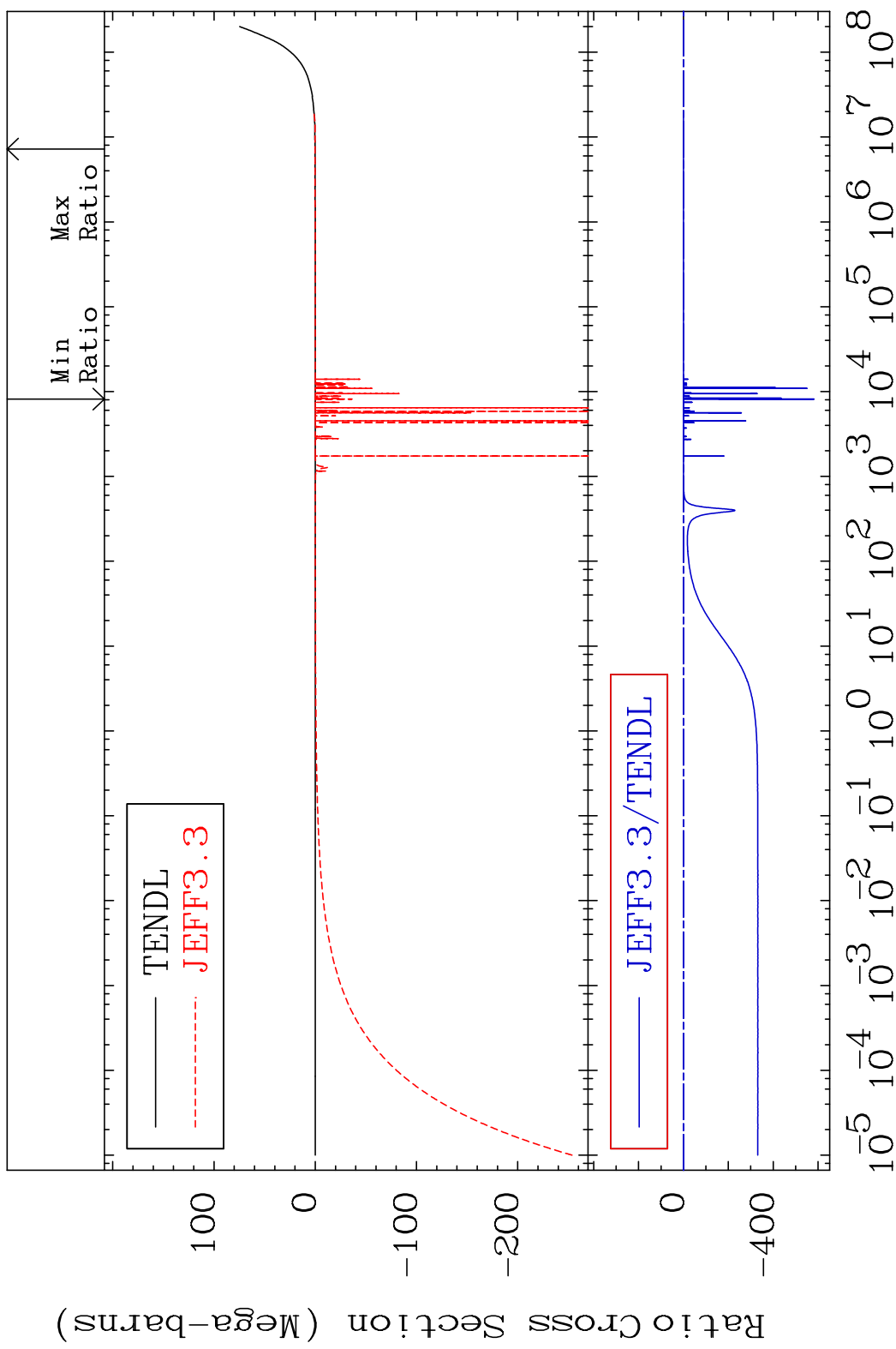


35

Incident Energy (eV)

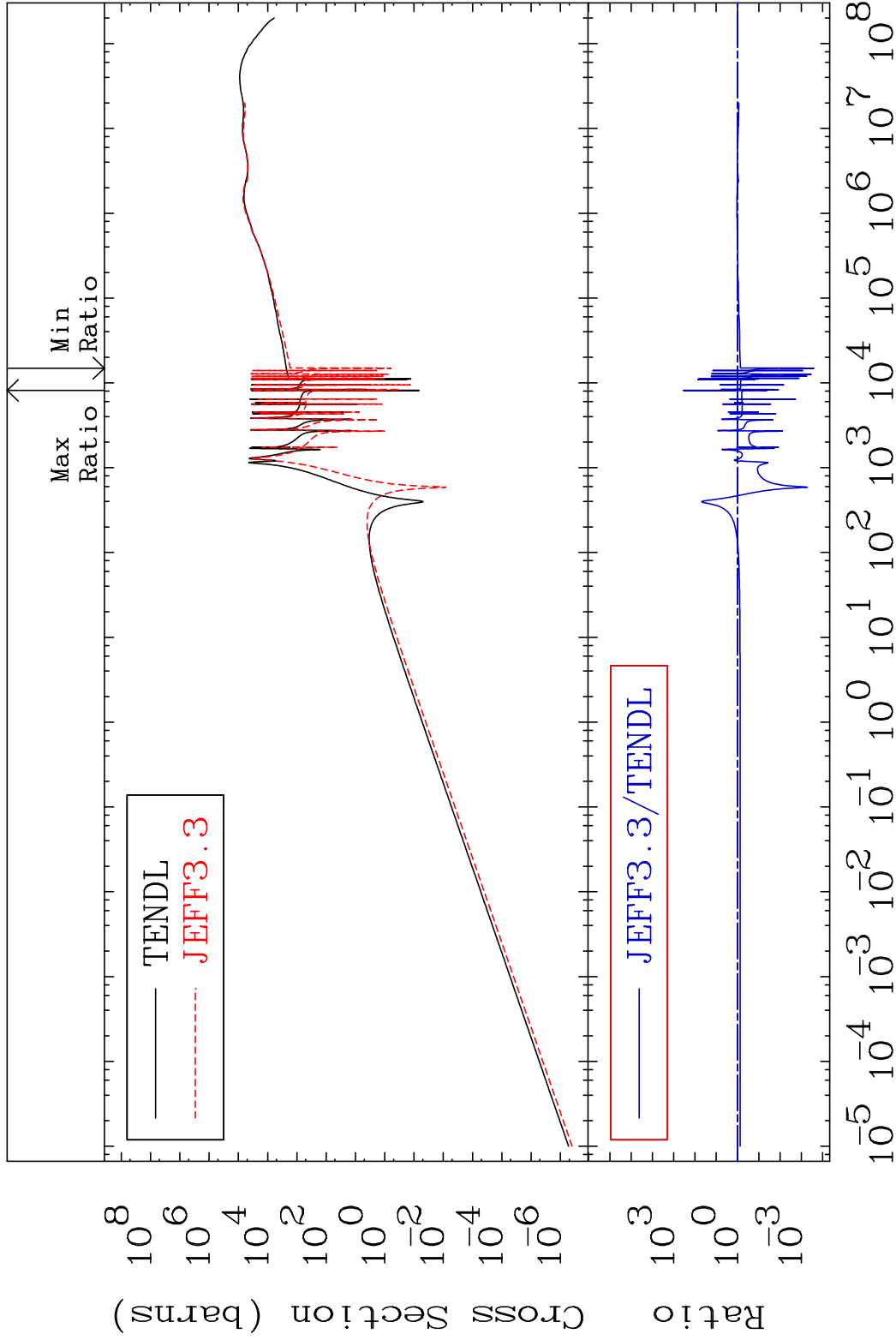
58-Ce-142

MAT 5843 Kerma total (eV-barns) 58-Ce-142
 Cross Section -9999. To 64.28 %



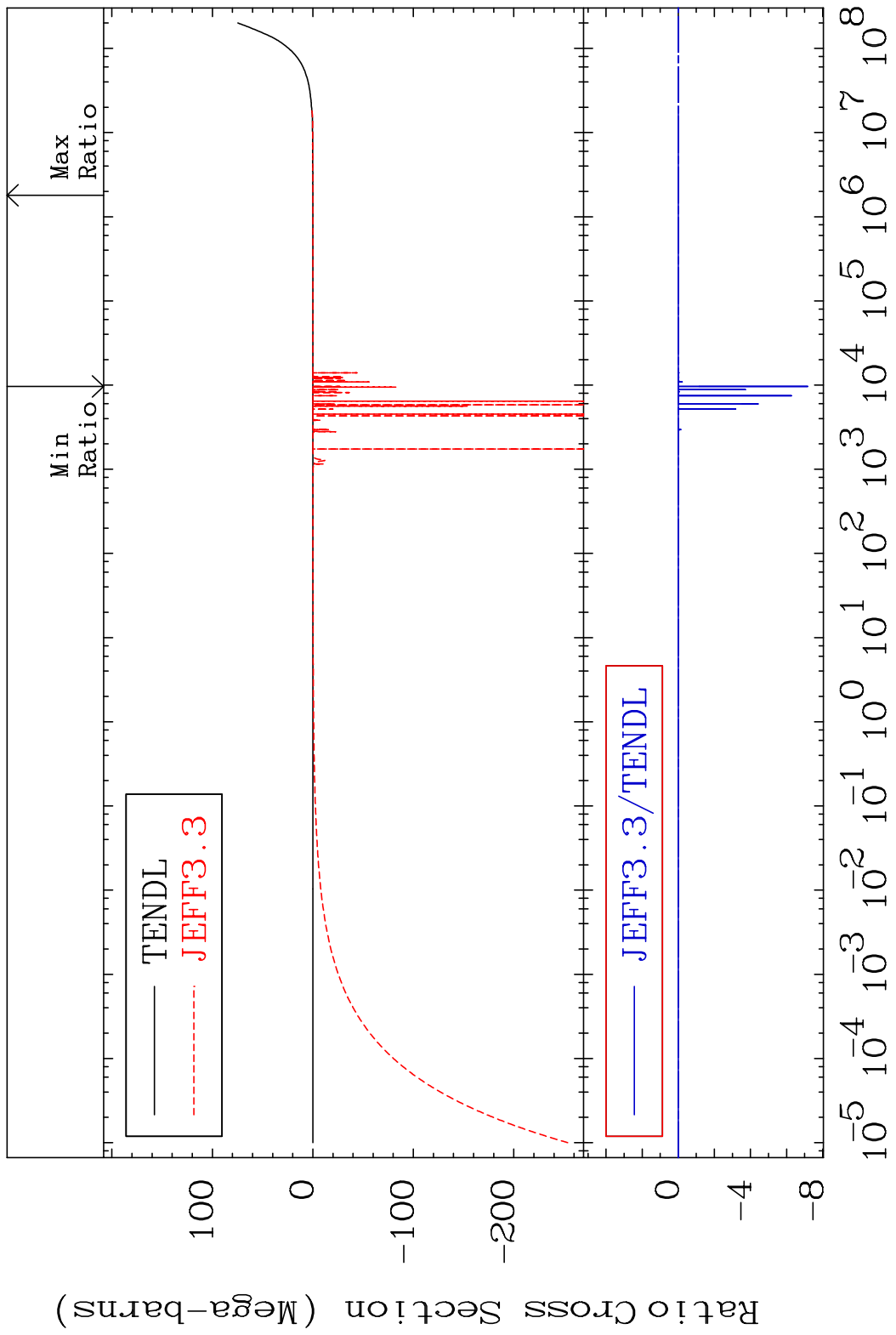
36 Incident Energy (eV) 58-Ce-142

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



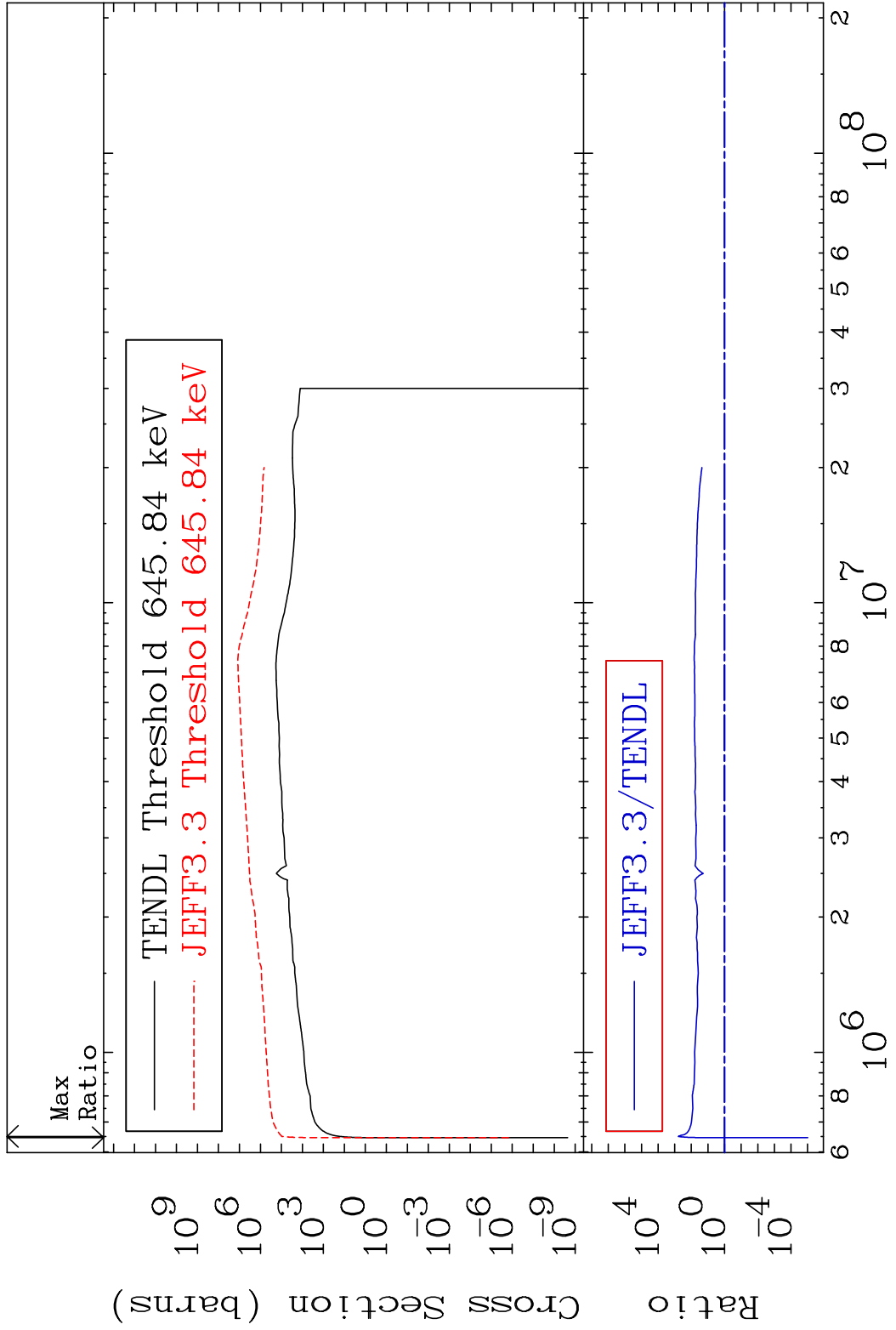
37 Incident Energy (eV) 58-Ce-142

MAT 5843 Kerma non-elastic (all but mt2) 58-Ce-142
 Cross Section -9999. To 150.0 %



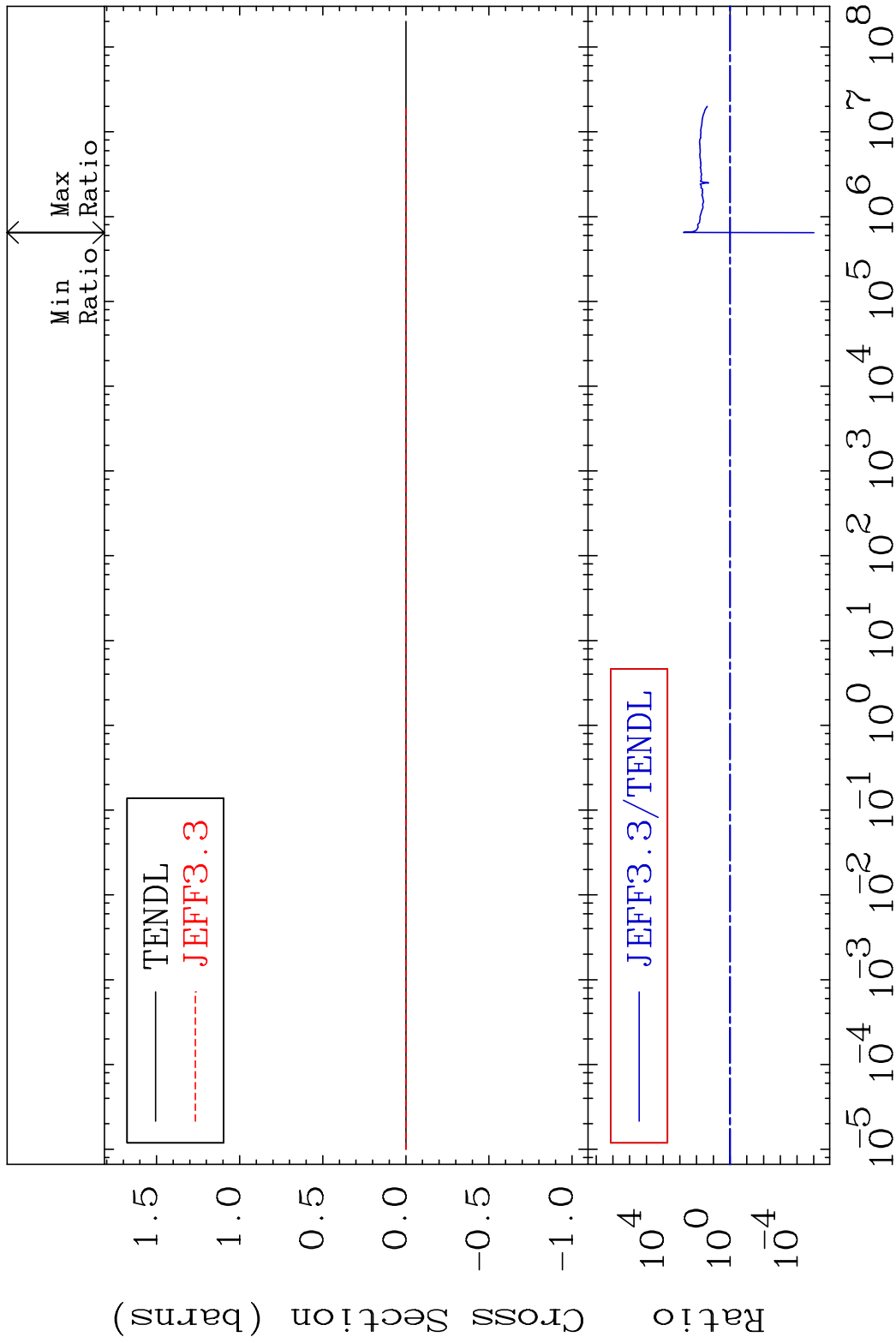
38 Incident Energy (eV) 58-Ce-142

MAT 5843 Kerma inelastic (mt51-91) 58-Ce-142
 Cross Section -100.0 To 9999. %



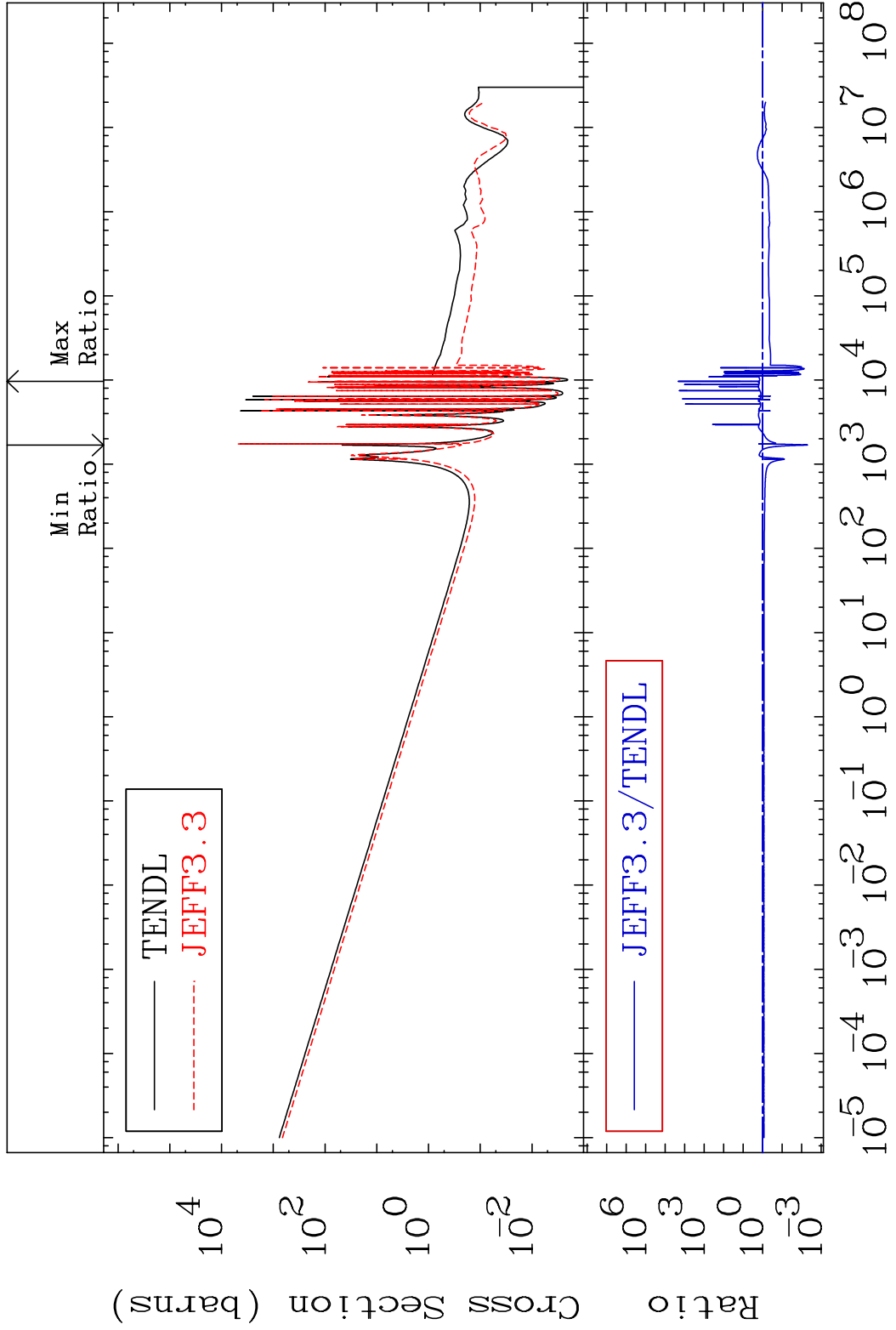
39 Incident Energy (eV) 58-Ce-142

MAT 5843 Kerma fission (mt18 or mt19-20-21-38) 58-Ce-142
 Cross Section -100.0 To 9999. %



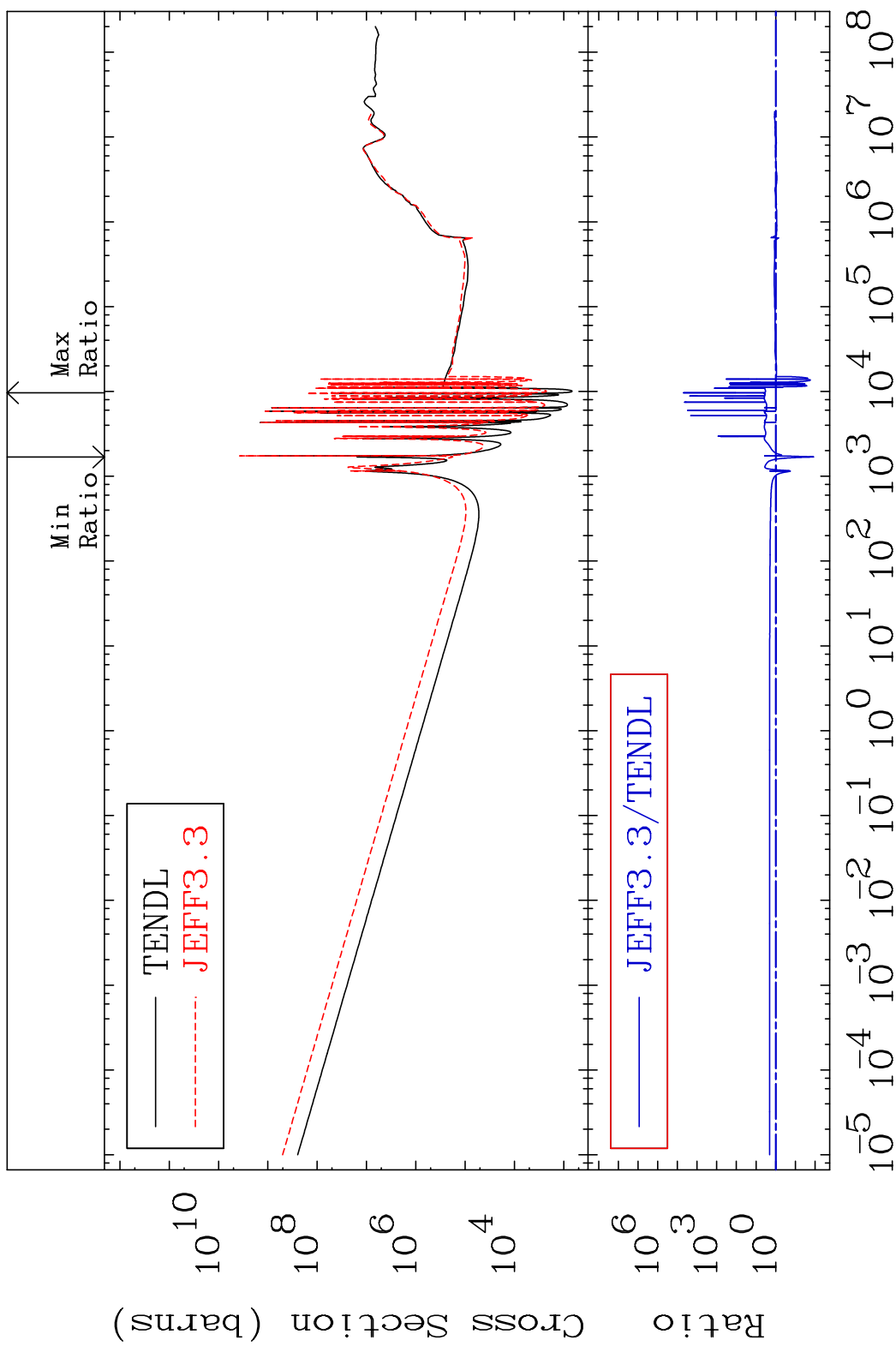
40 Incident Energy (eV) 58-Ce-142

MAT 5843 Kerma capture (mt102) 58-Ce-142
 Cross Section -99.51 To 9999. %



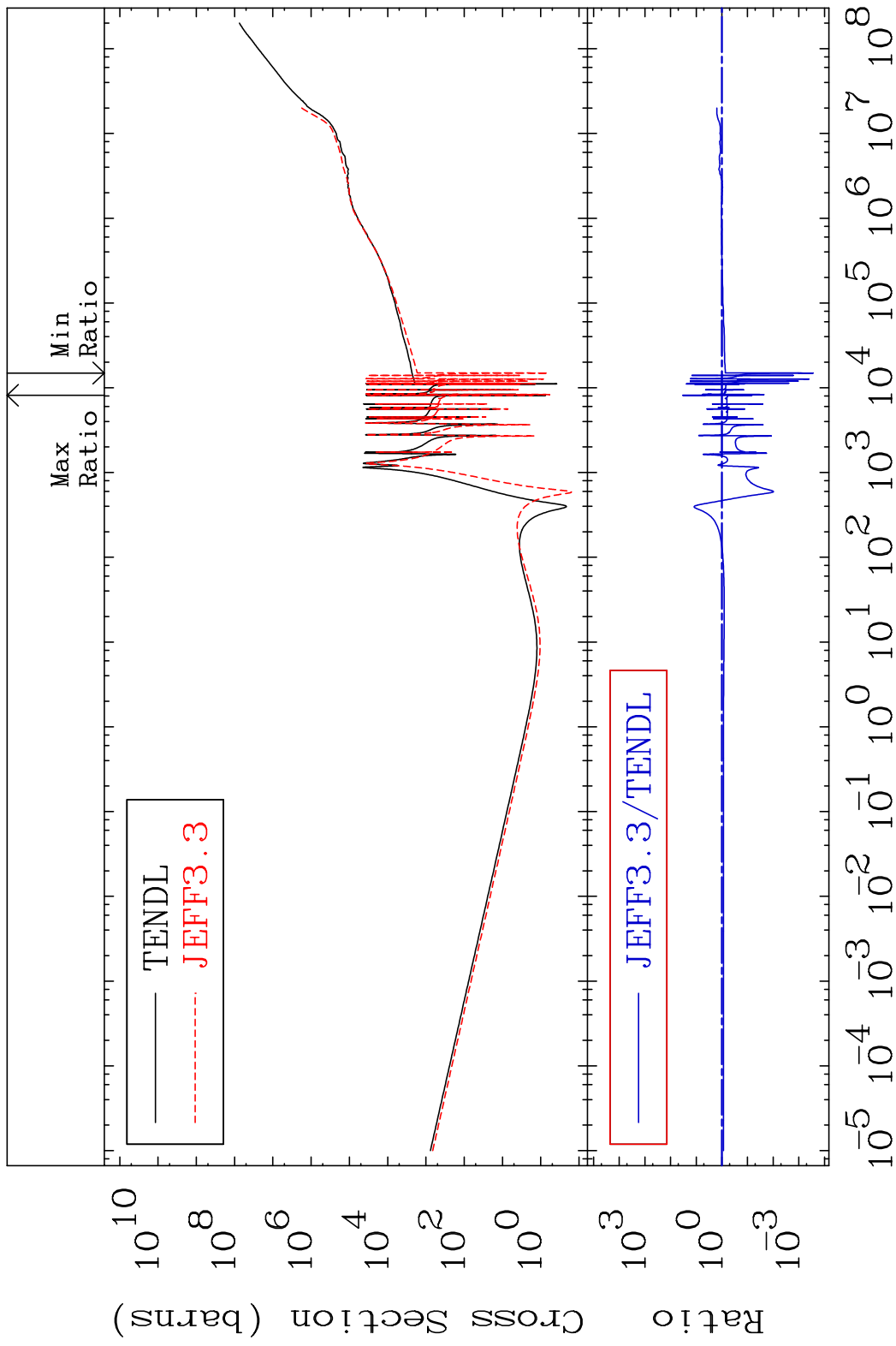
41 Incident Energy (eV) 58-Ce-142

MAT 5843 Total photon (eV-barns) 58-Ce-142
Cross Section -98.86 To 9999. %



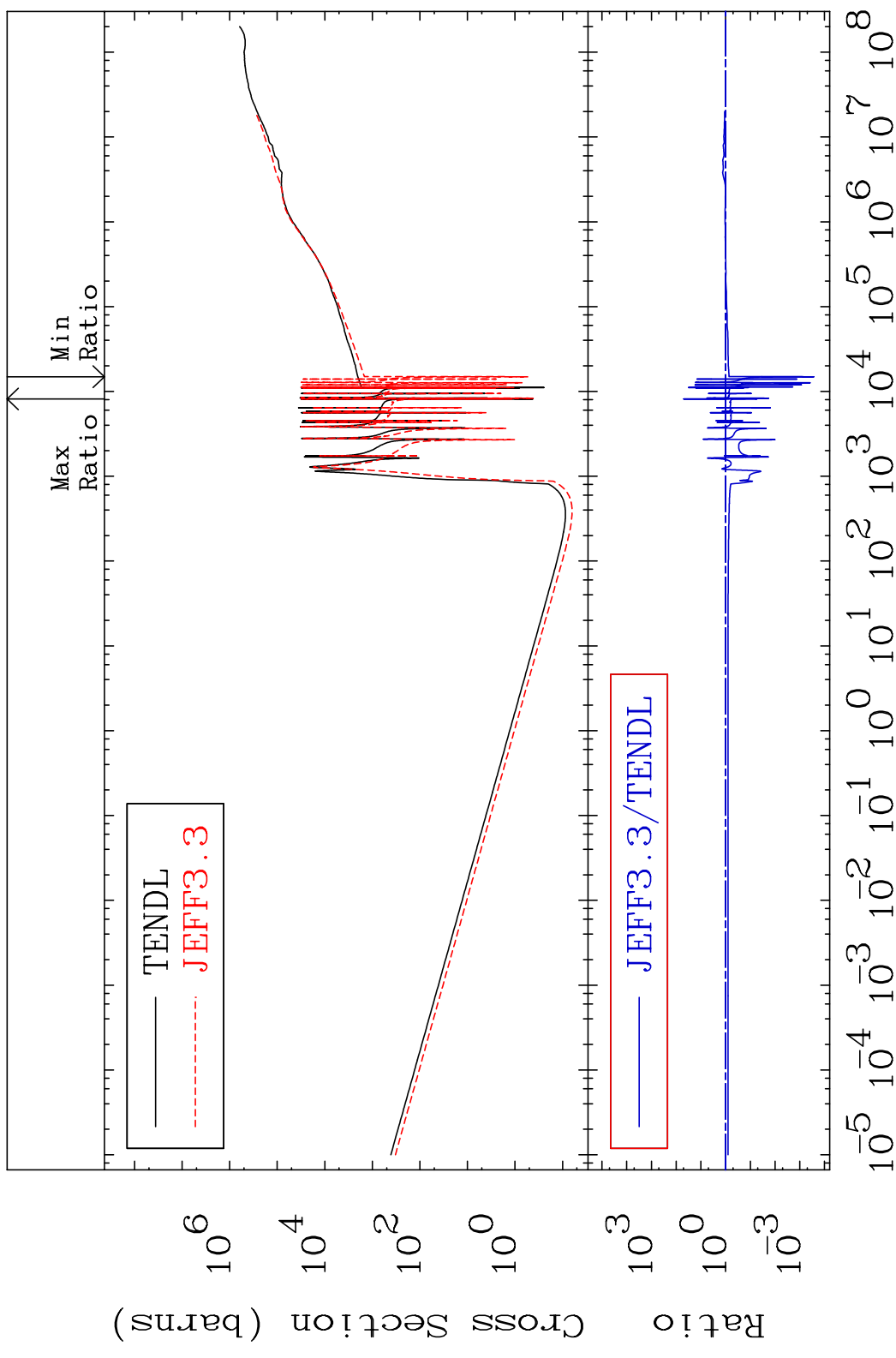
42 Incident Energy (eV) 58-Ce-142

MAT 5843 Total kinematic kerma (high limit) 58-Ce-142
 Cross Section -99.97 To 3234. %



43 Incident Energy (eV) 58-Ce-142

MAT 5843 Dpa total (eV-barns) 58-Ce-142
 Cross Section -99.97 To 4962. %

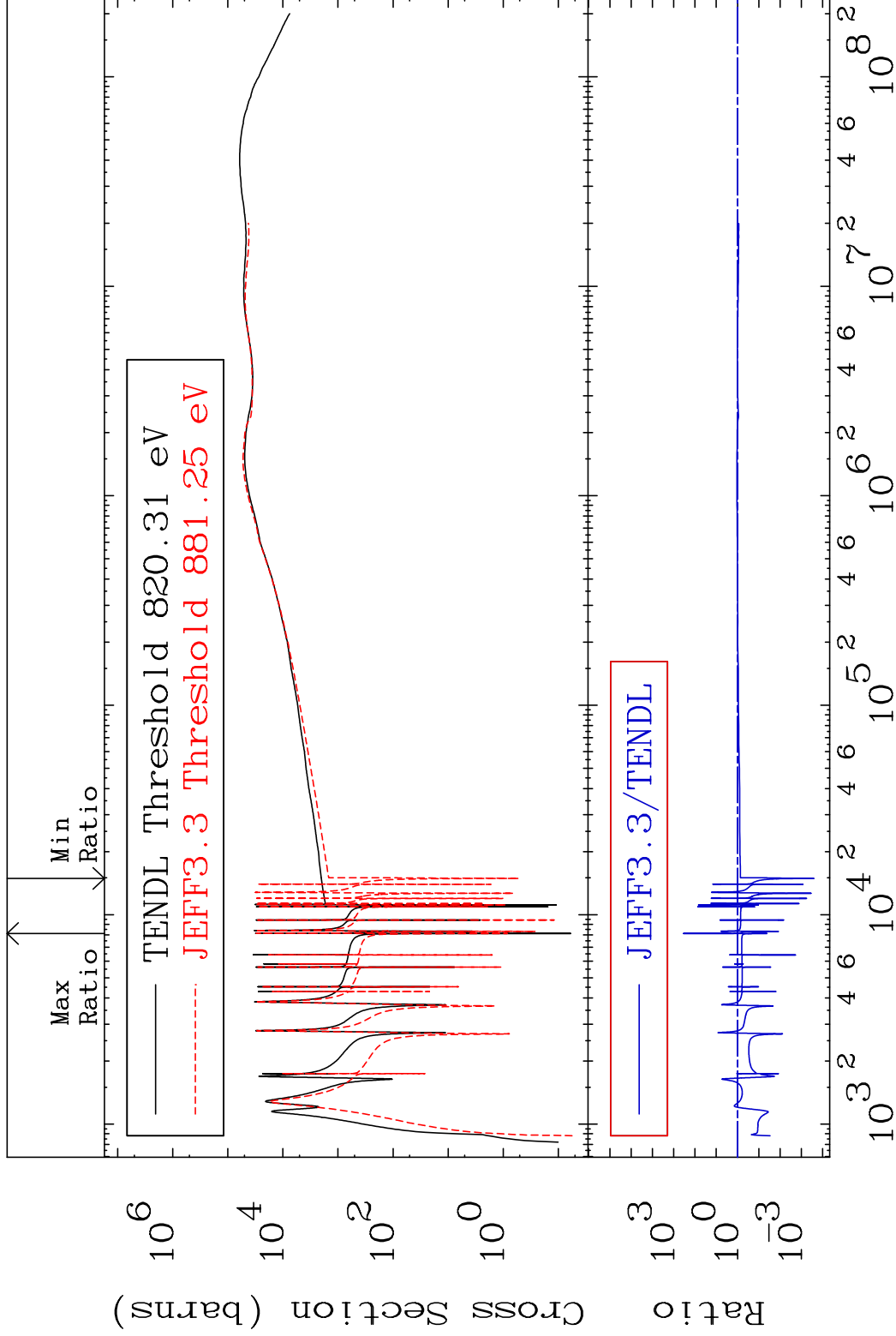


MAT 5843

Dpa elastic (mt2)

58-Ce-142

Cross Section -99.97 To 9999. %

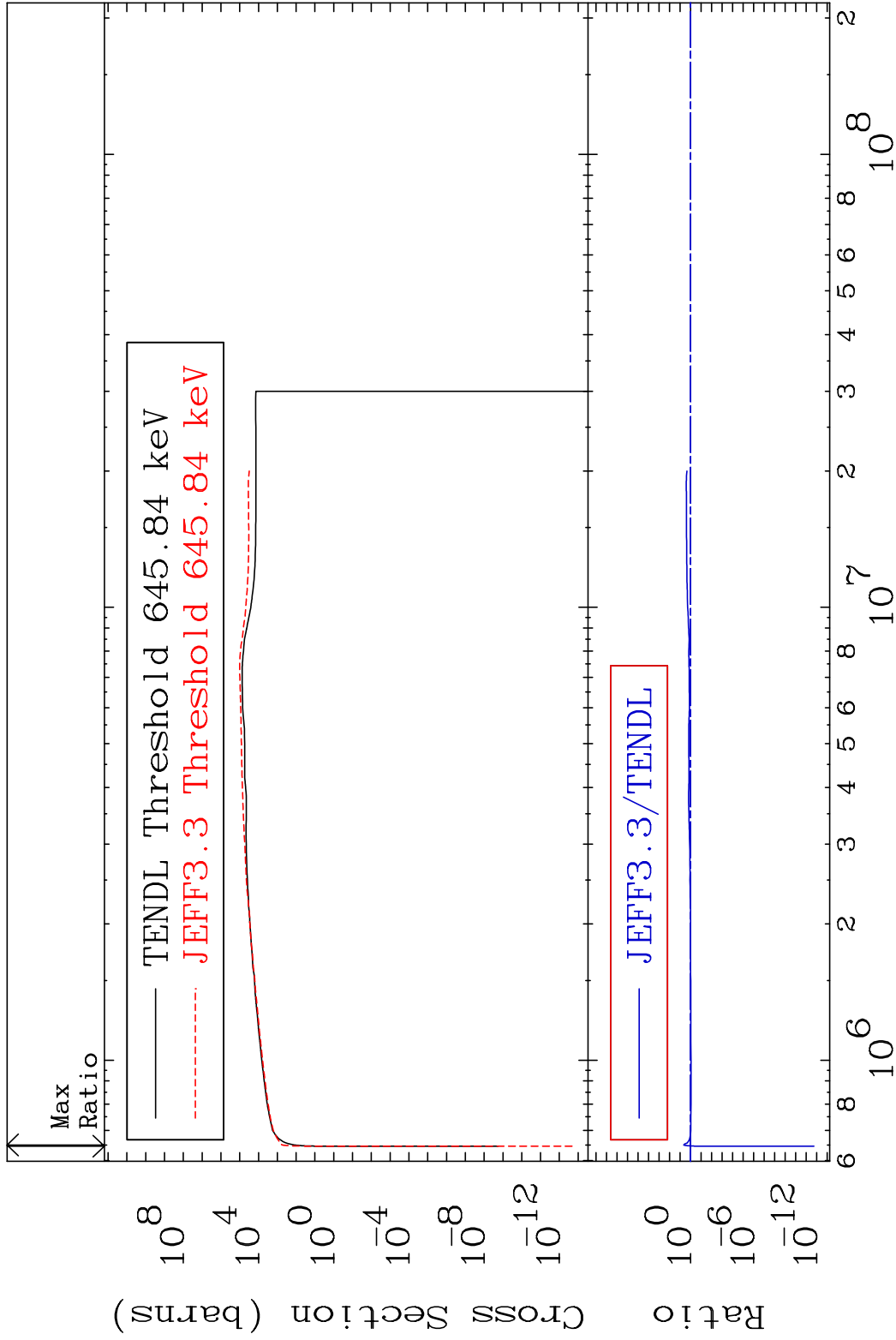


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Incident Energy (eV)

58-Ce-142

MAT 5843 Dpa inelastic (mt51-91) 58-Ce-142
 Cross Section -100.0 To 366.6 %



46 Incident Energy (eV) 58-Ce-142

MAT 5843 Dpa disappearance (mt102 -120) 58-Ce-142
 Cross Section -99.54 To 9999. %

