

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

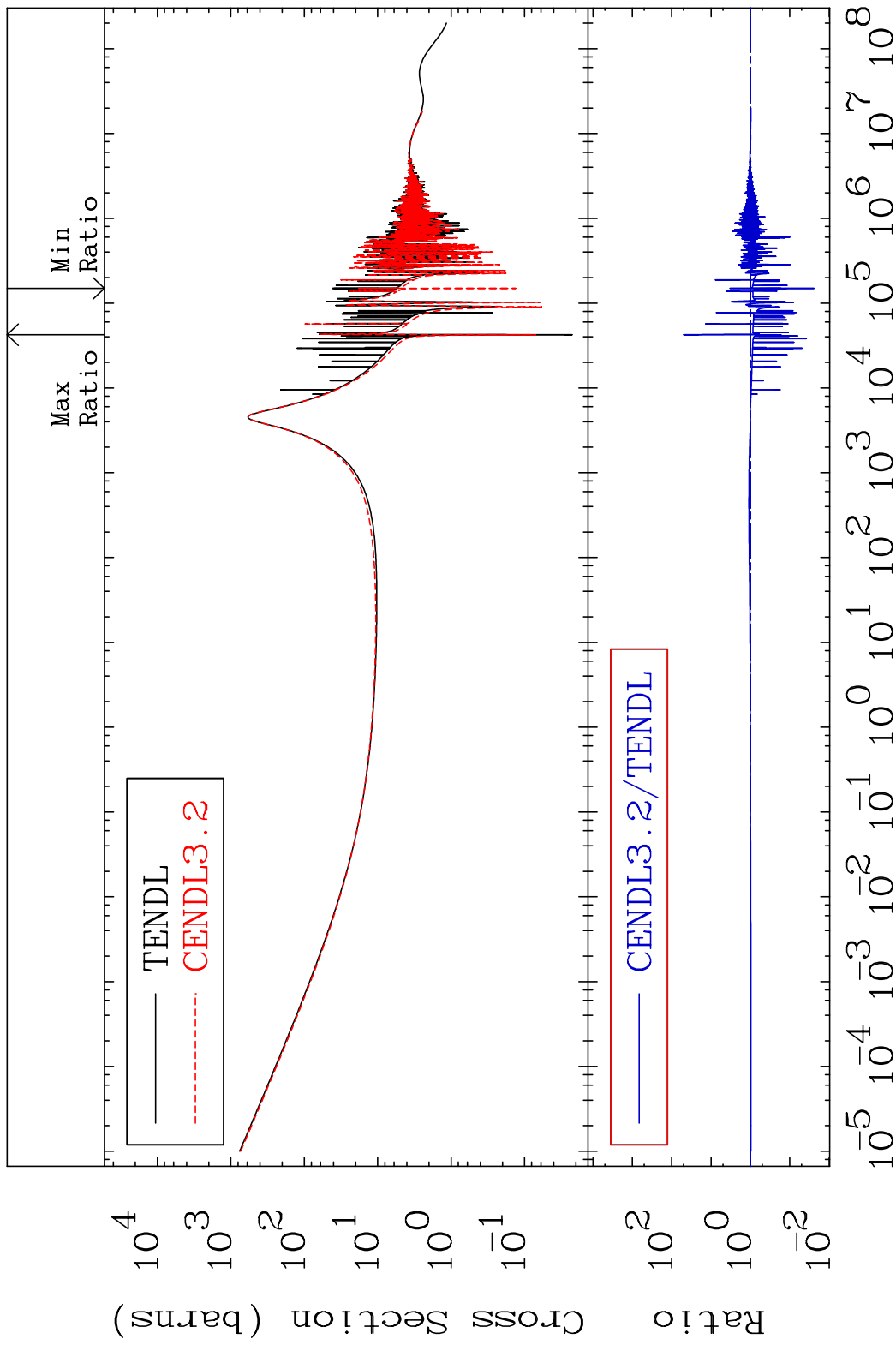
U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 2837 Total 28-Ni-62
 Cross Section -97.55 To 4926. %



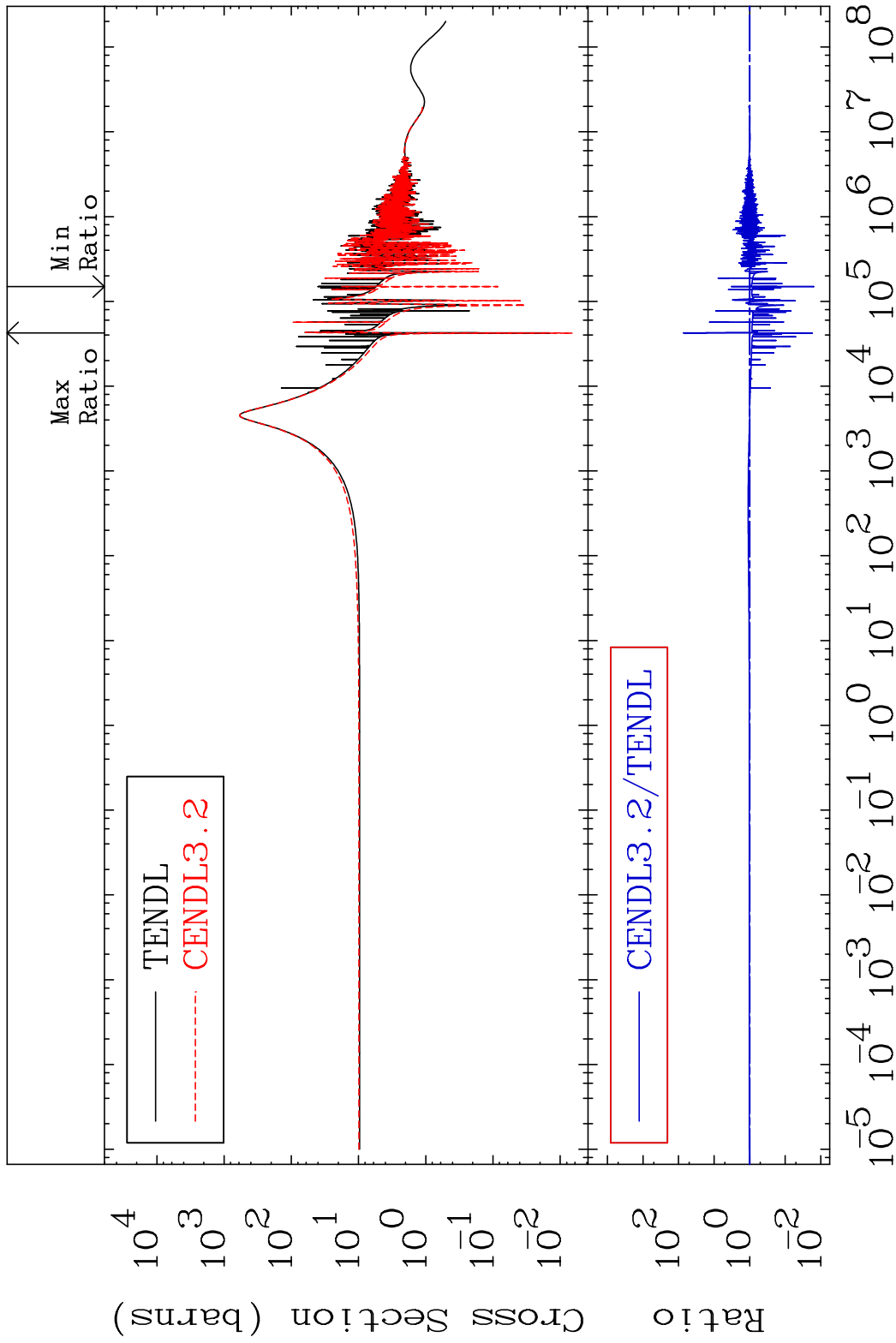
1 Incident Energy (eV) 28-Ni-62

MAT 2837

Elastic

28-Ni-62

Cross Section -98.44 To 7182. %

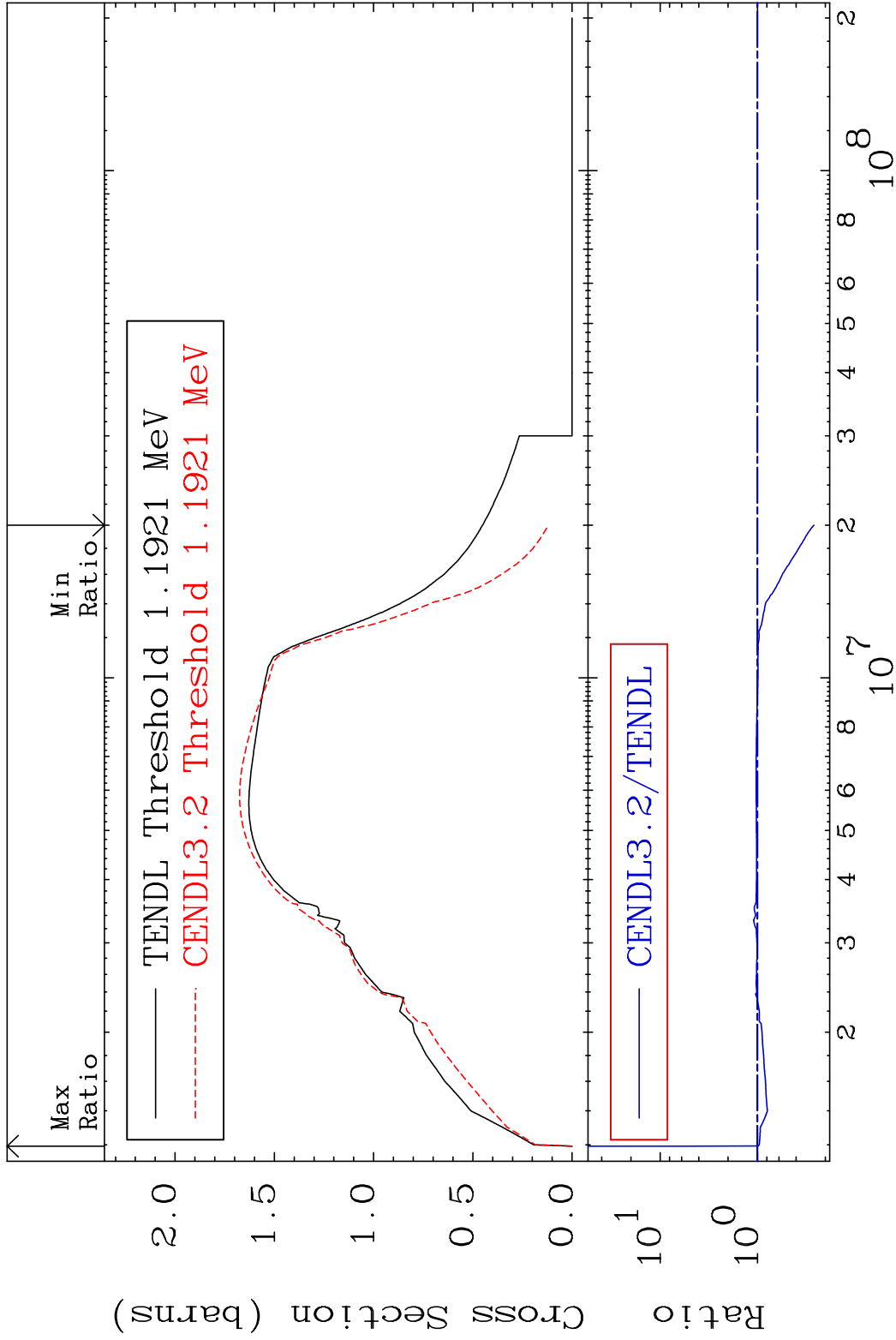


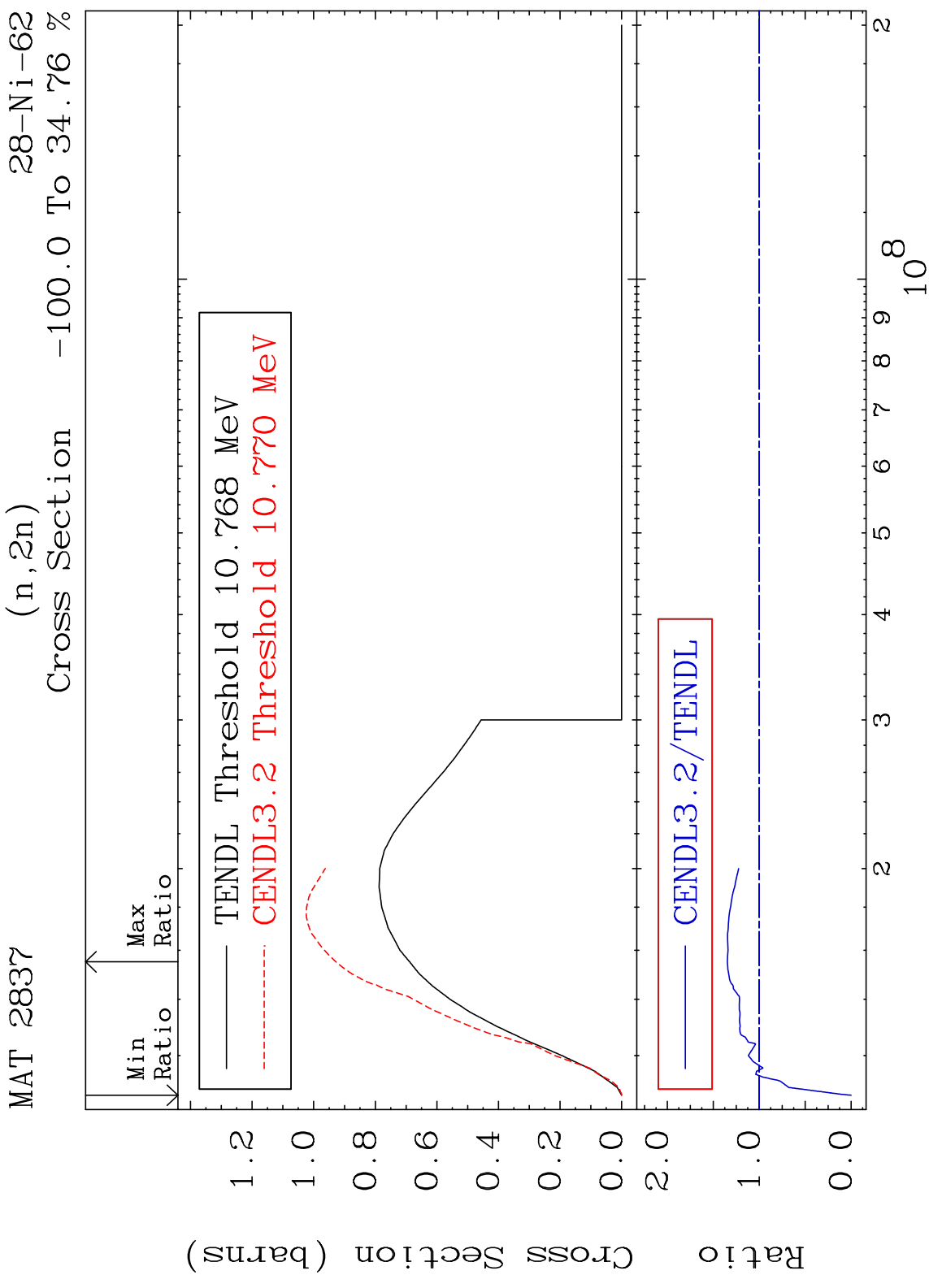
2

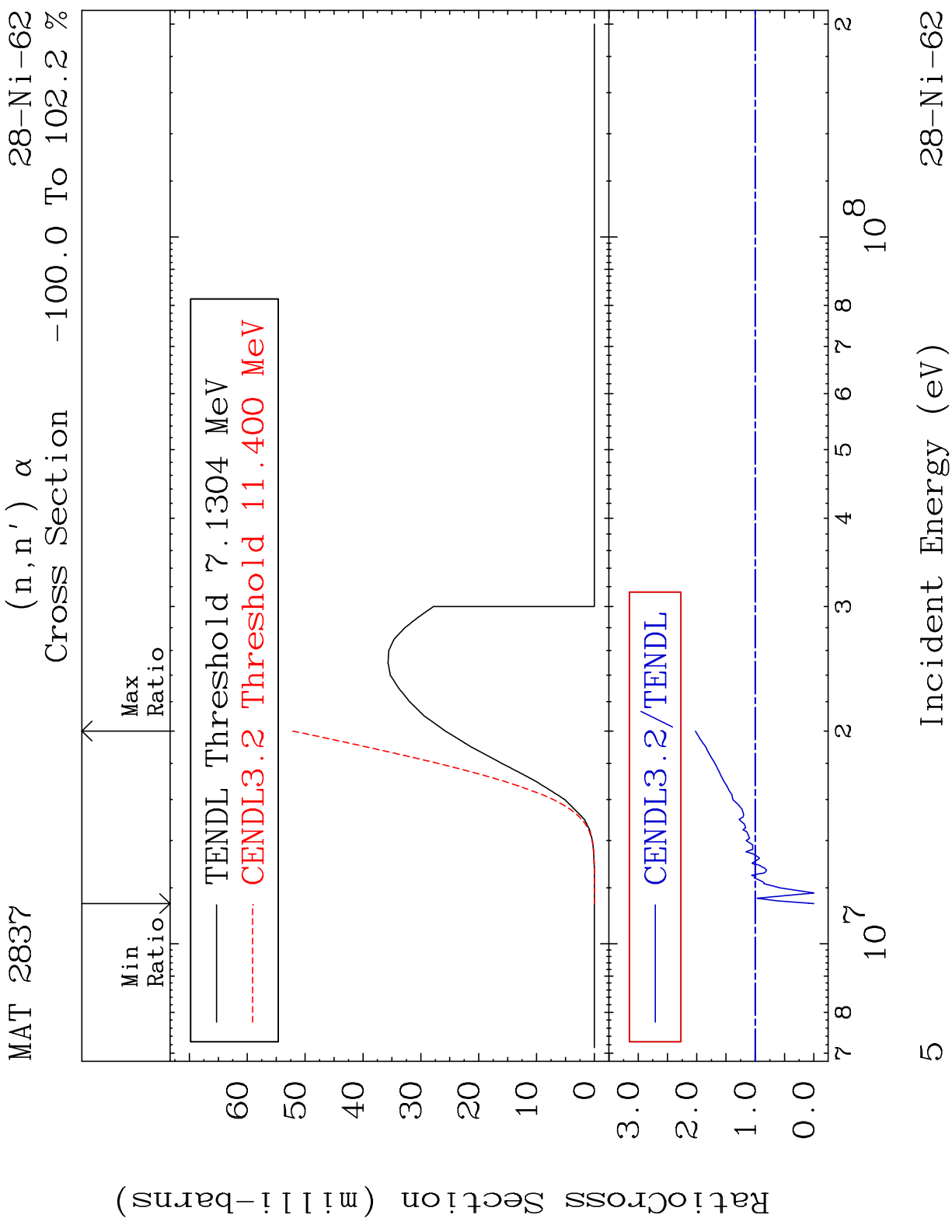
Incident Energy (eV)

28-Ni-62

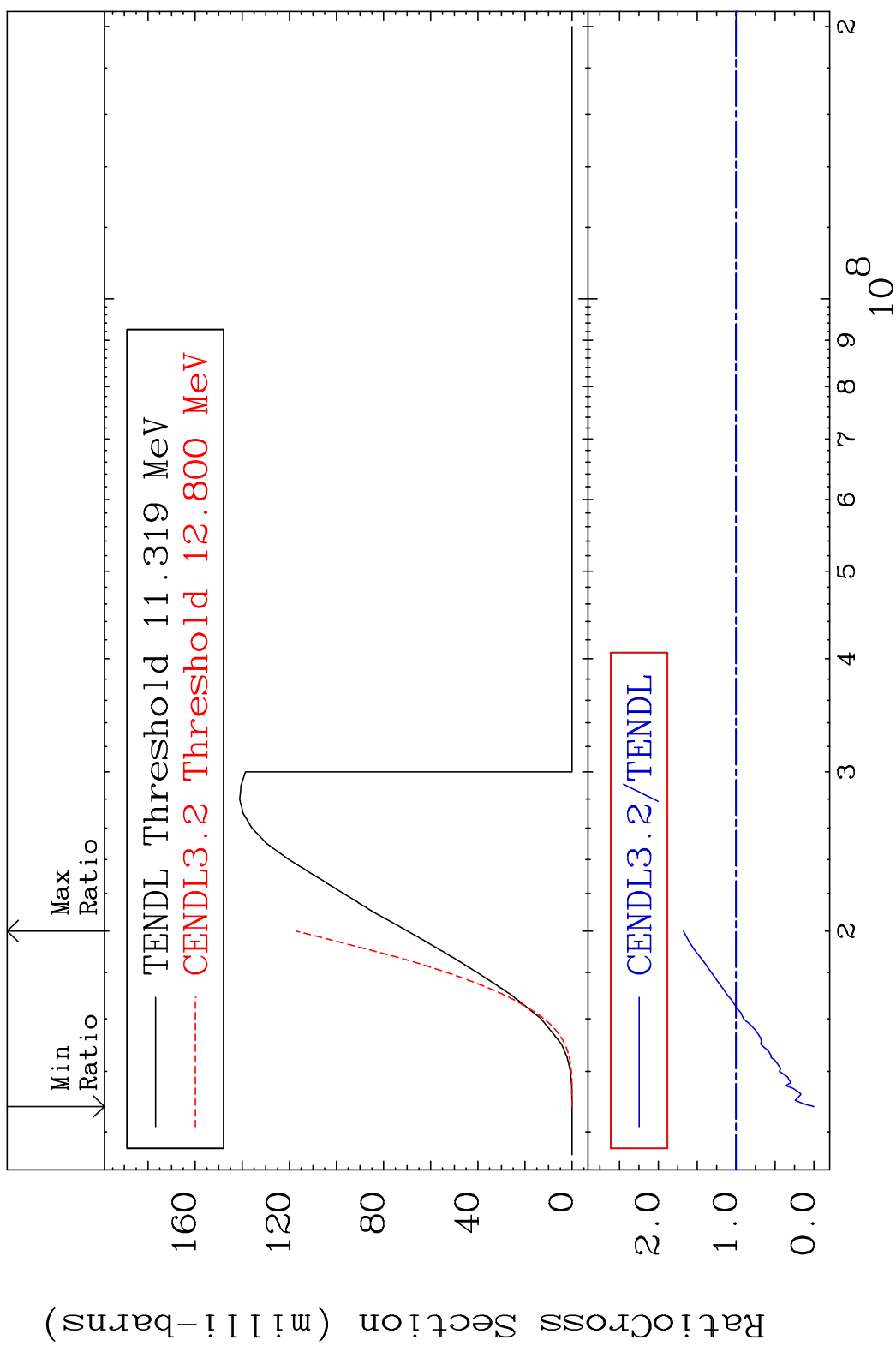
MAT 2837 Inelastic Cross Section -73.77 To 476.5 % 28-Ni-62



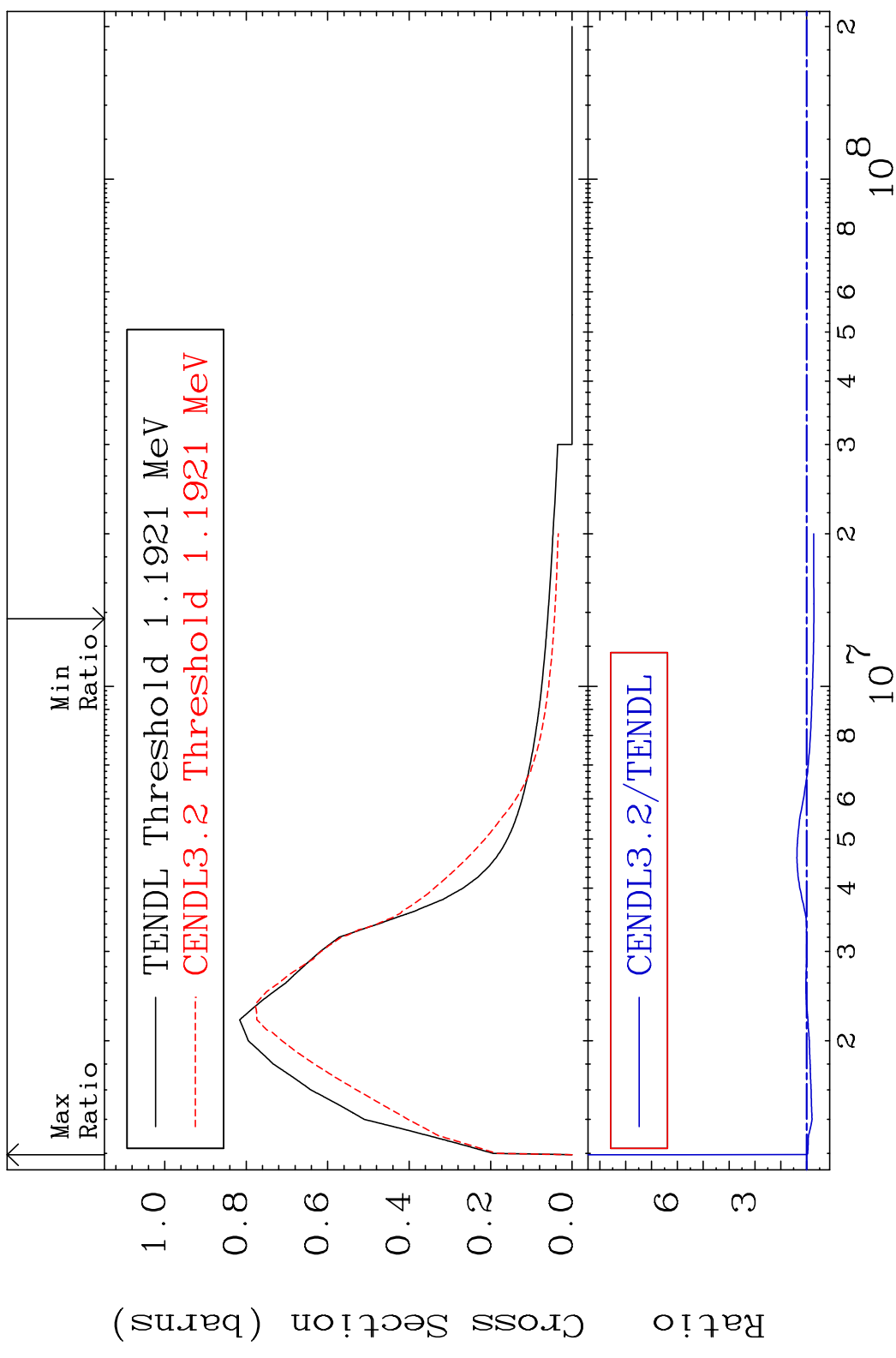




MAT 2837 (n, n') p 28-Ni-62
 Cross Section -100.0 To 67.68 %

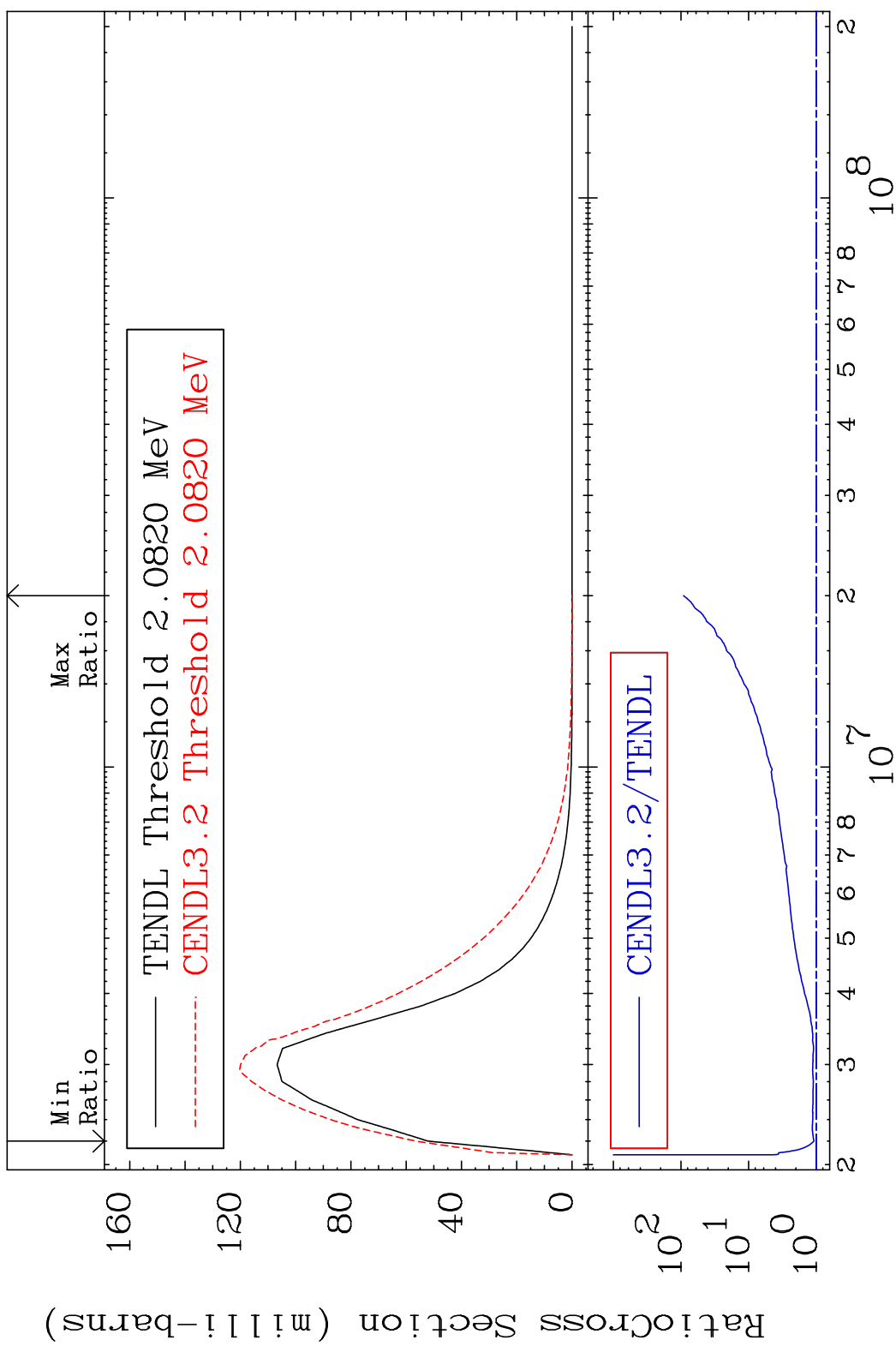


MAT 2837 MT= 51 (n, n') Level 28-Ni-62
 Cross Section -28.14 To 476.5 %



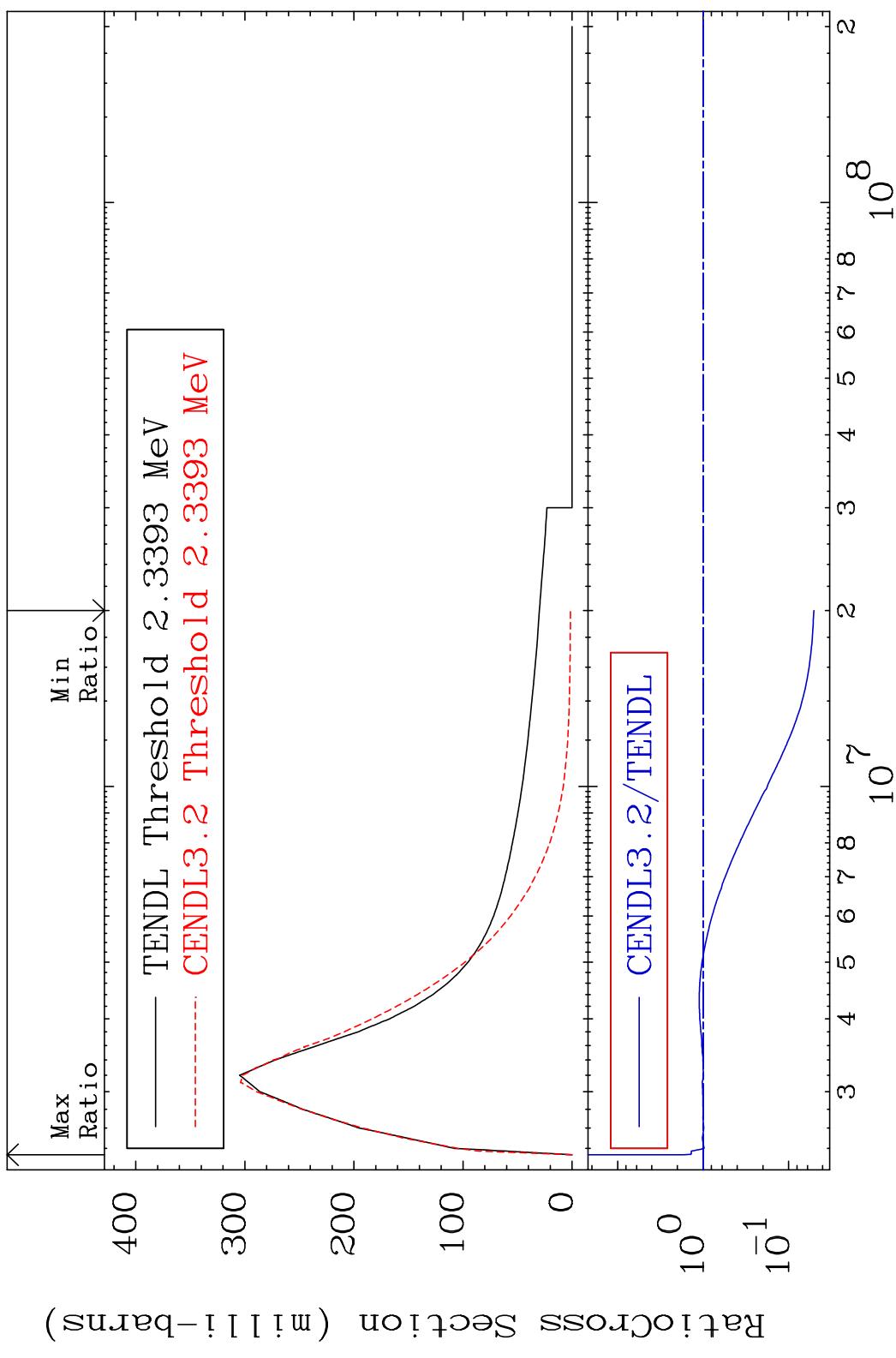
7 Incident Energy (eV) 28-Ni-62

MAT 2837 MT= 52 (n, n') Level 28-Ni-62
 Cross Section 8.596 To 9114. %

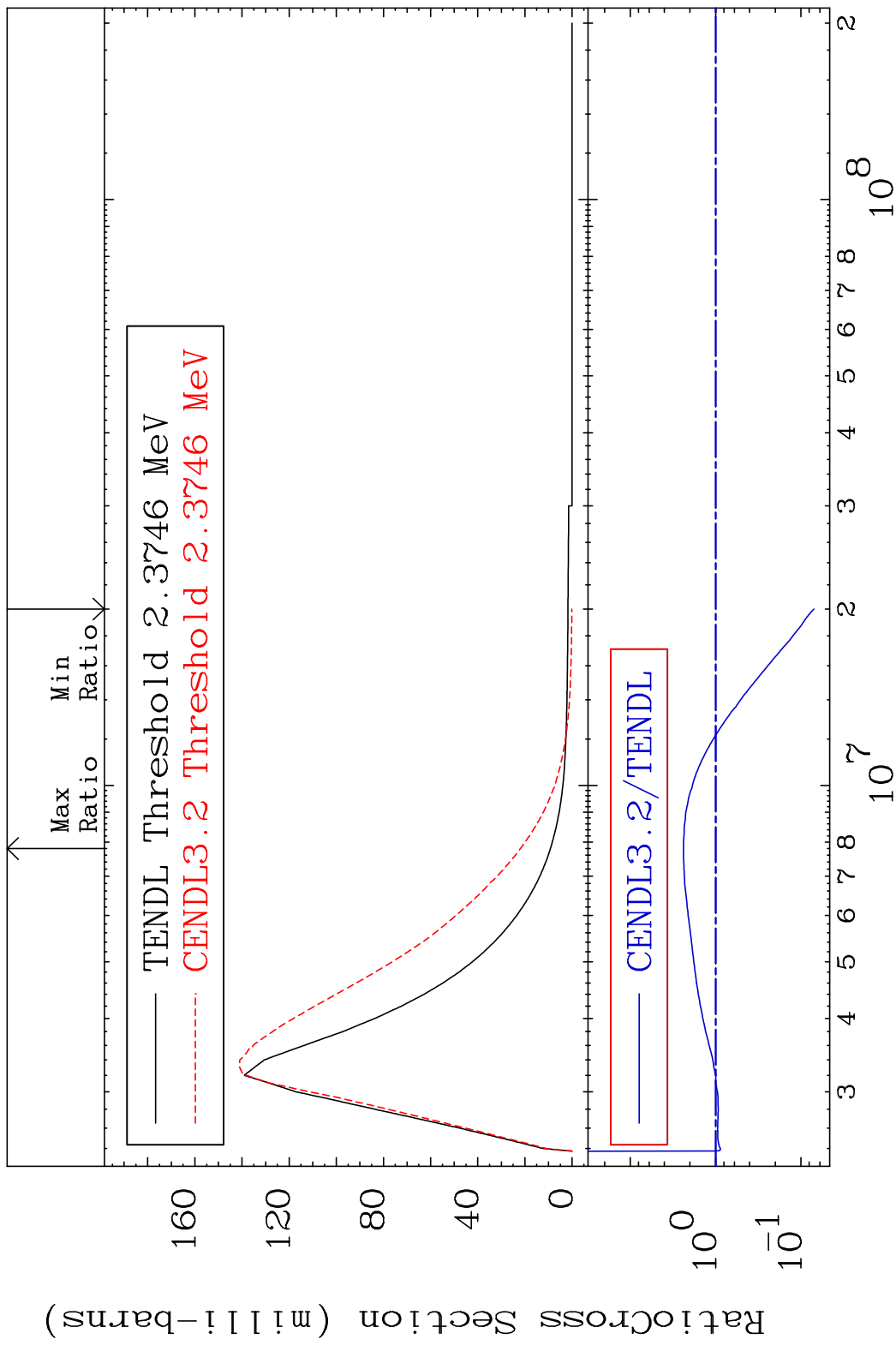


8 Incident Energy (eV) 28-Ni-62

MAT 2837 MT= 53 (n, n') Level 28-Ni-62
 Cross Section -94.93 To 69.98 %

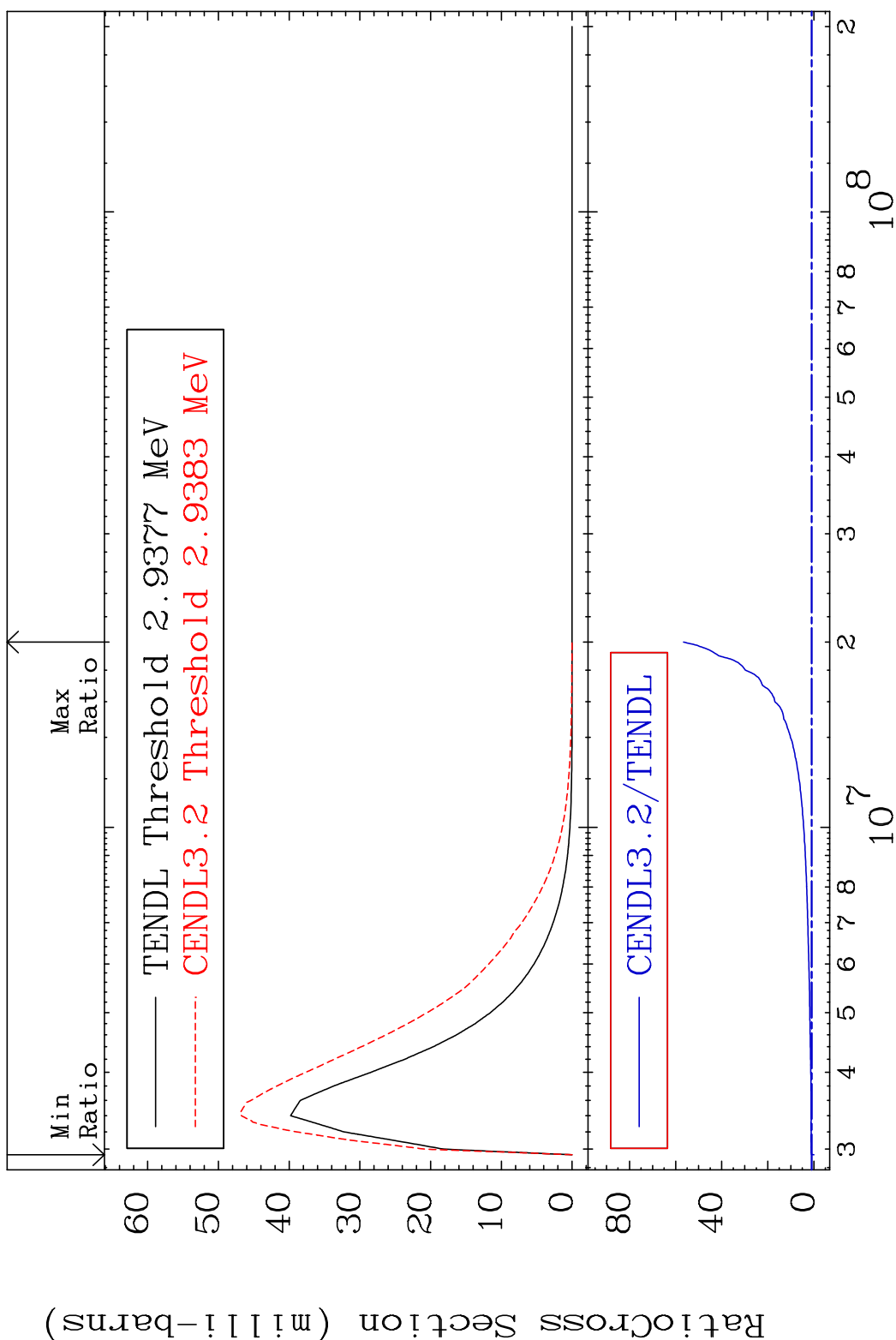


MAT 2837 MT= 54 (n, n') Level 28-Ni-62
 Cross Section -92.95 To 138.3 %



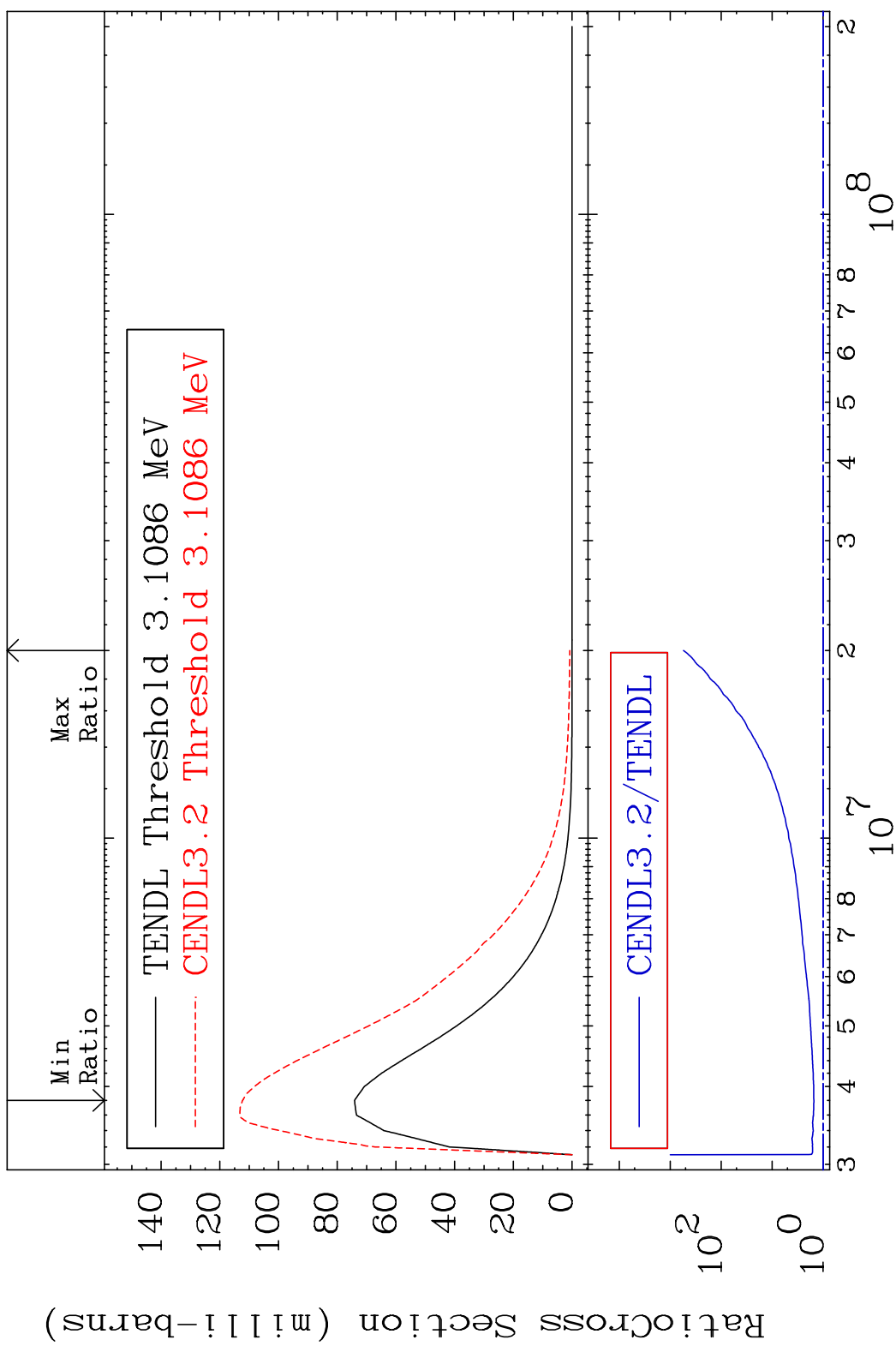
10 Incident Energy (eV) 28-Ni-62

MAT 2837 MT= 55 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 5560. %



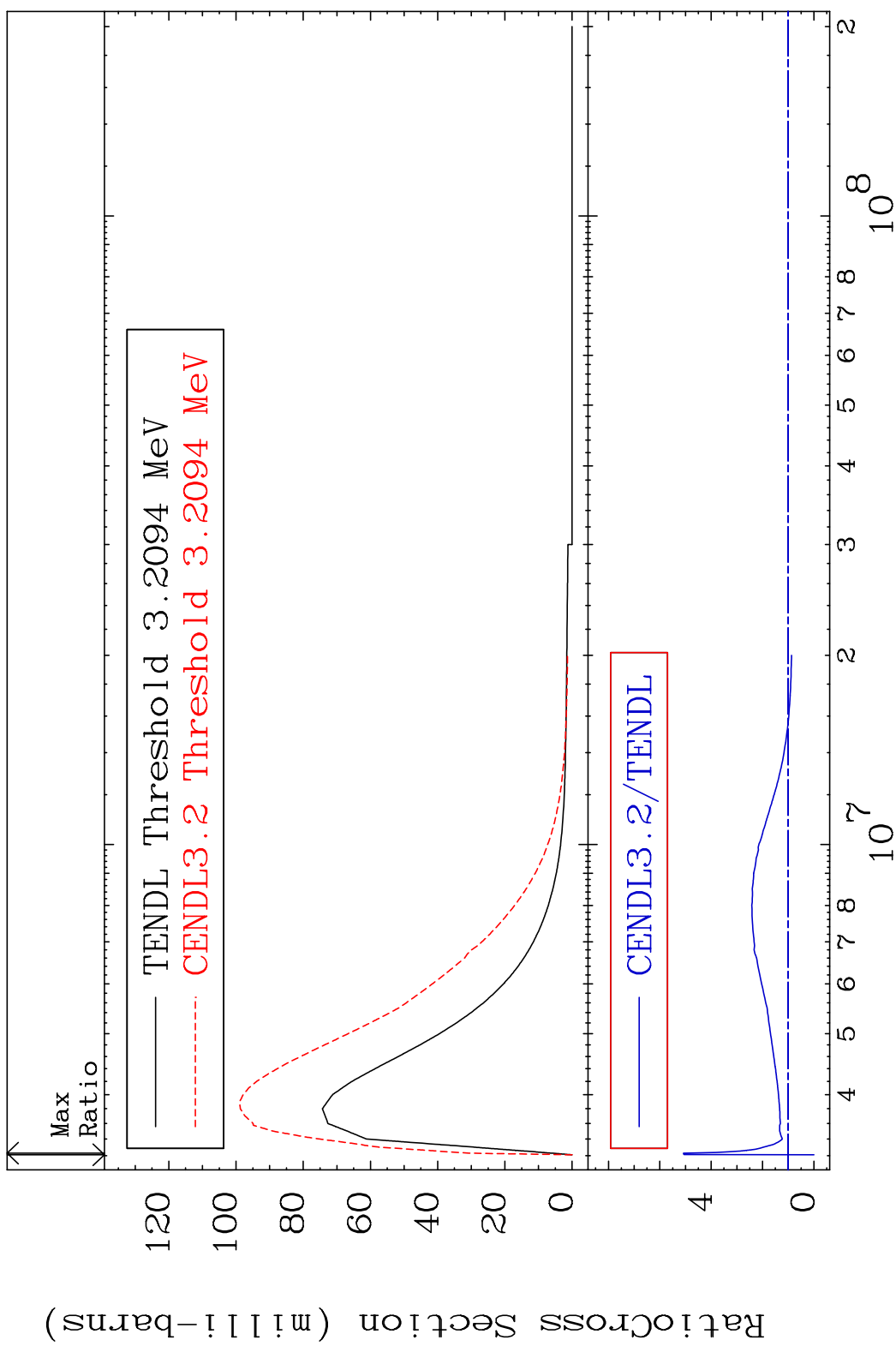
11 Incident Energy (eV) 28-Ni-62

MAT 2837 MT= 56 (n, n') Level 28-Ni-62
 Cross Section 51.46 To 9999. %

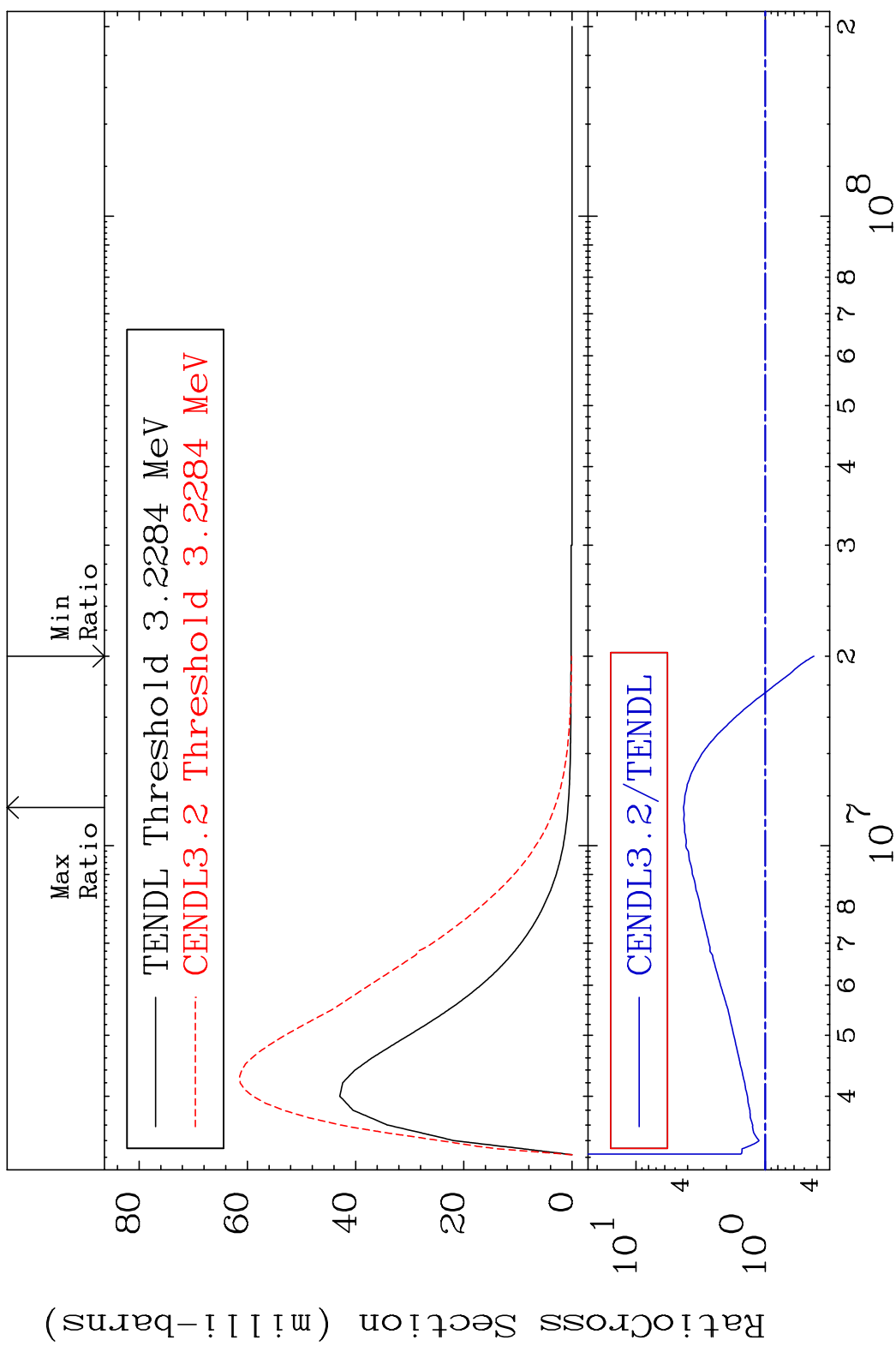


12 Incident Energy (eV) 28-Ni-62

MAT 2837 MT= 57 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 407.9 %

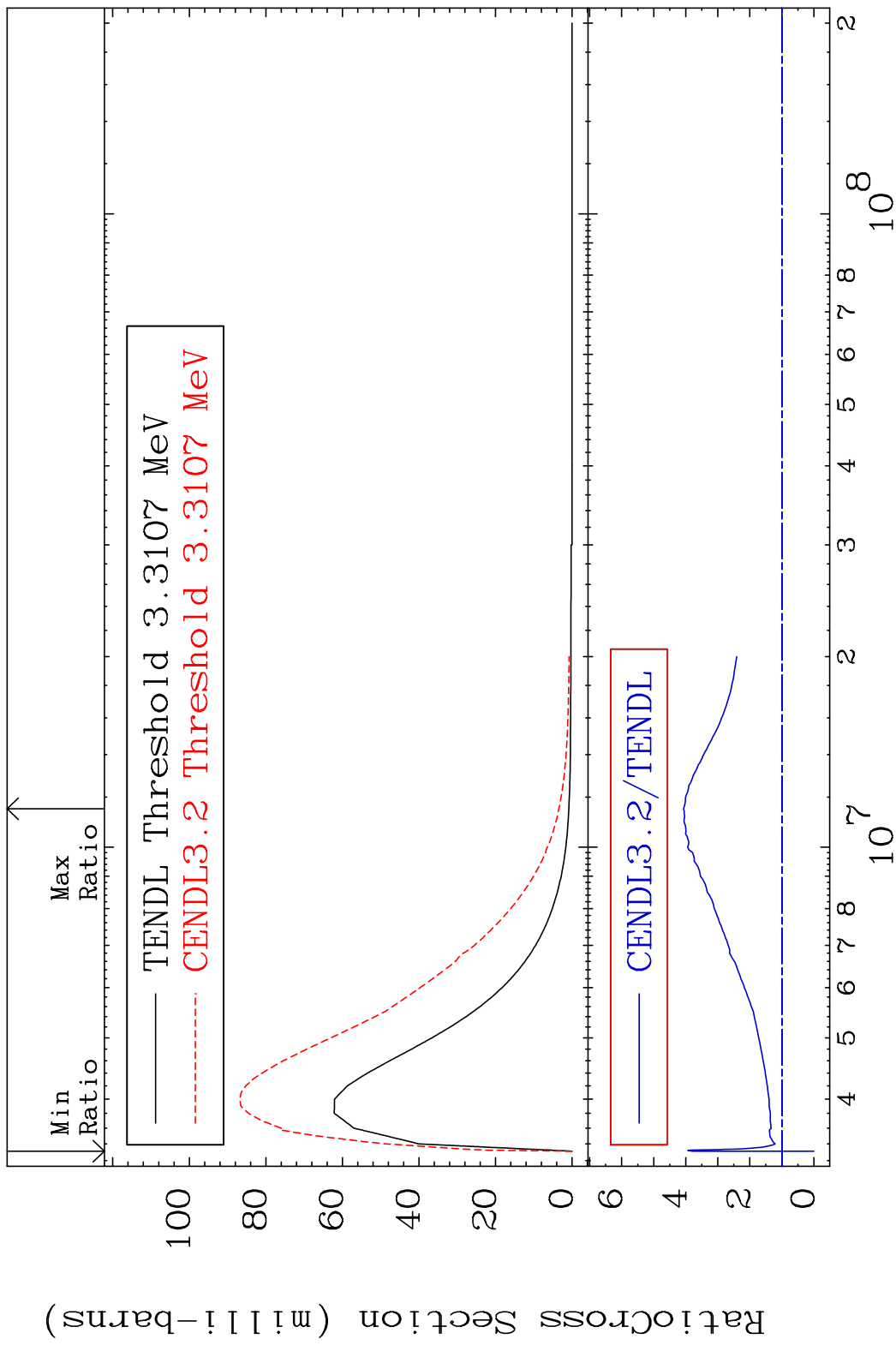


MAT 2837 MT= 58 (n, n') Level 28-Ni-62
 Cross Section -57.84 To 330.0 %



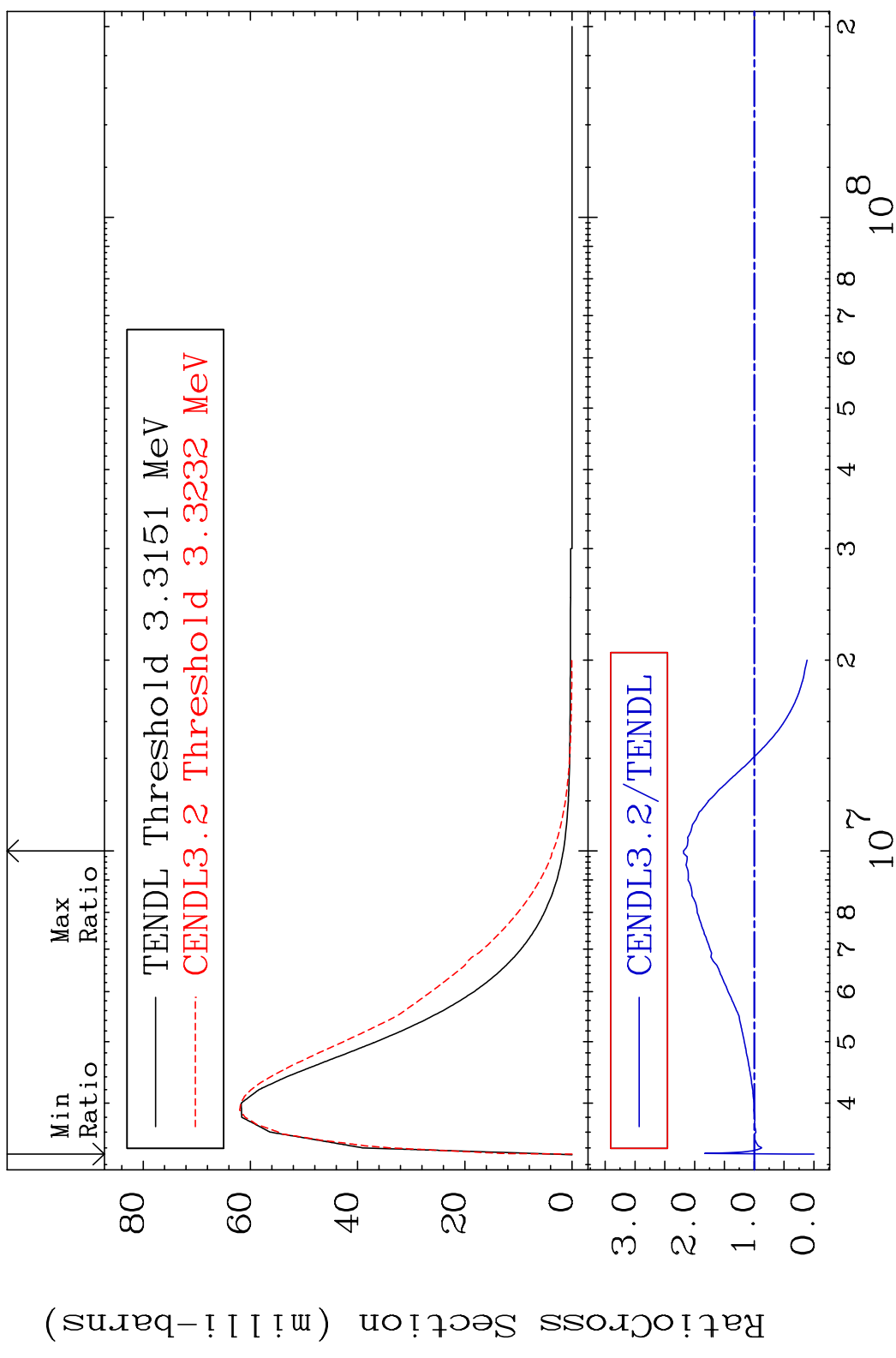
14 Incident Energy (eV) 28-Ni-62

MAT 2837 MT= 59 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 307.2 %



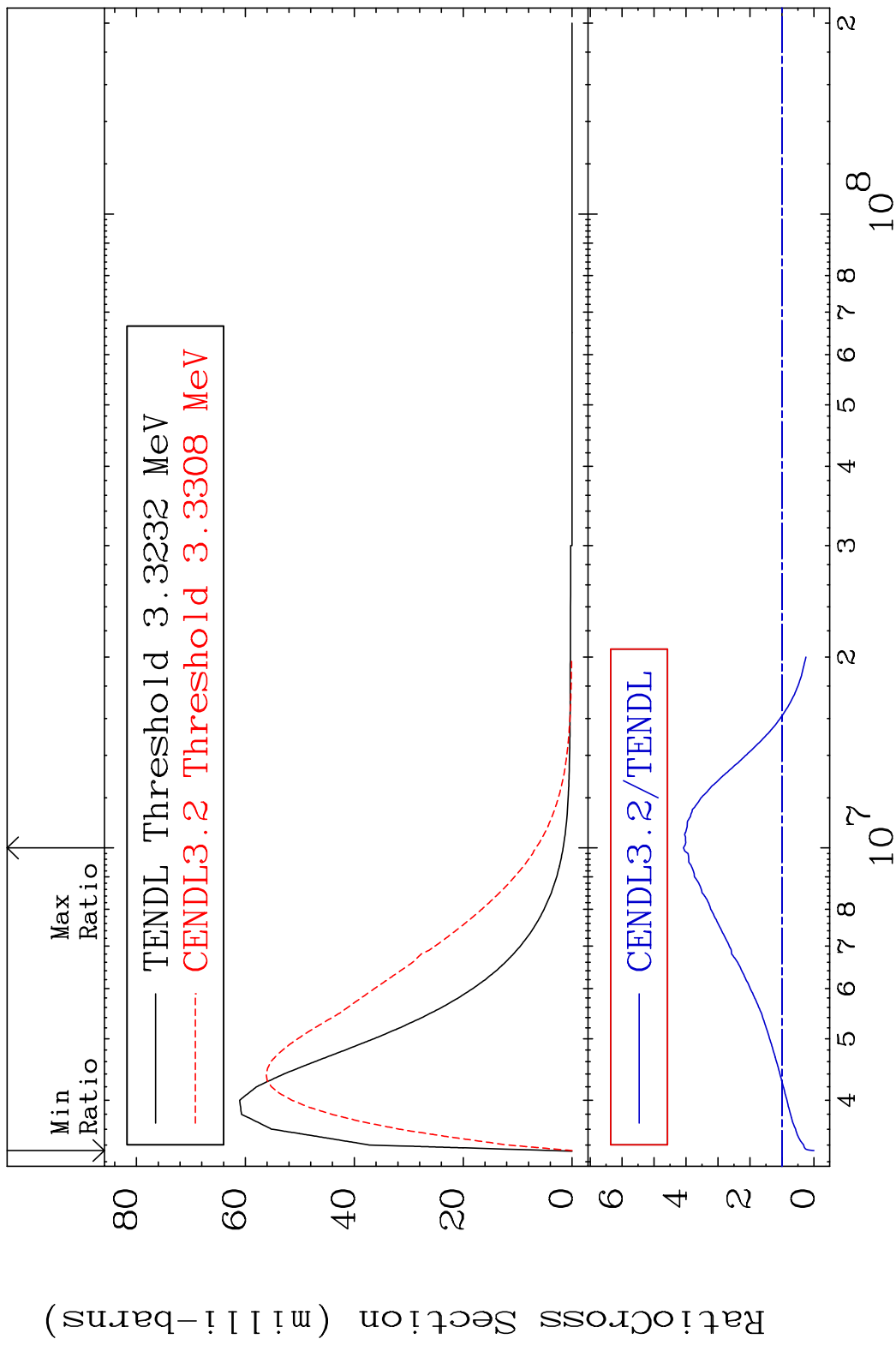
15 Incident Energy (eV) 28-Ni-62

MAT 2837 MT= 60 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 118.7 %



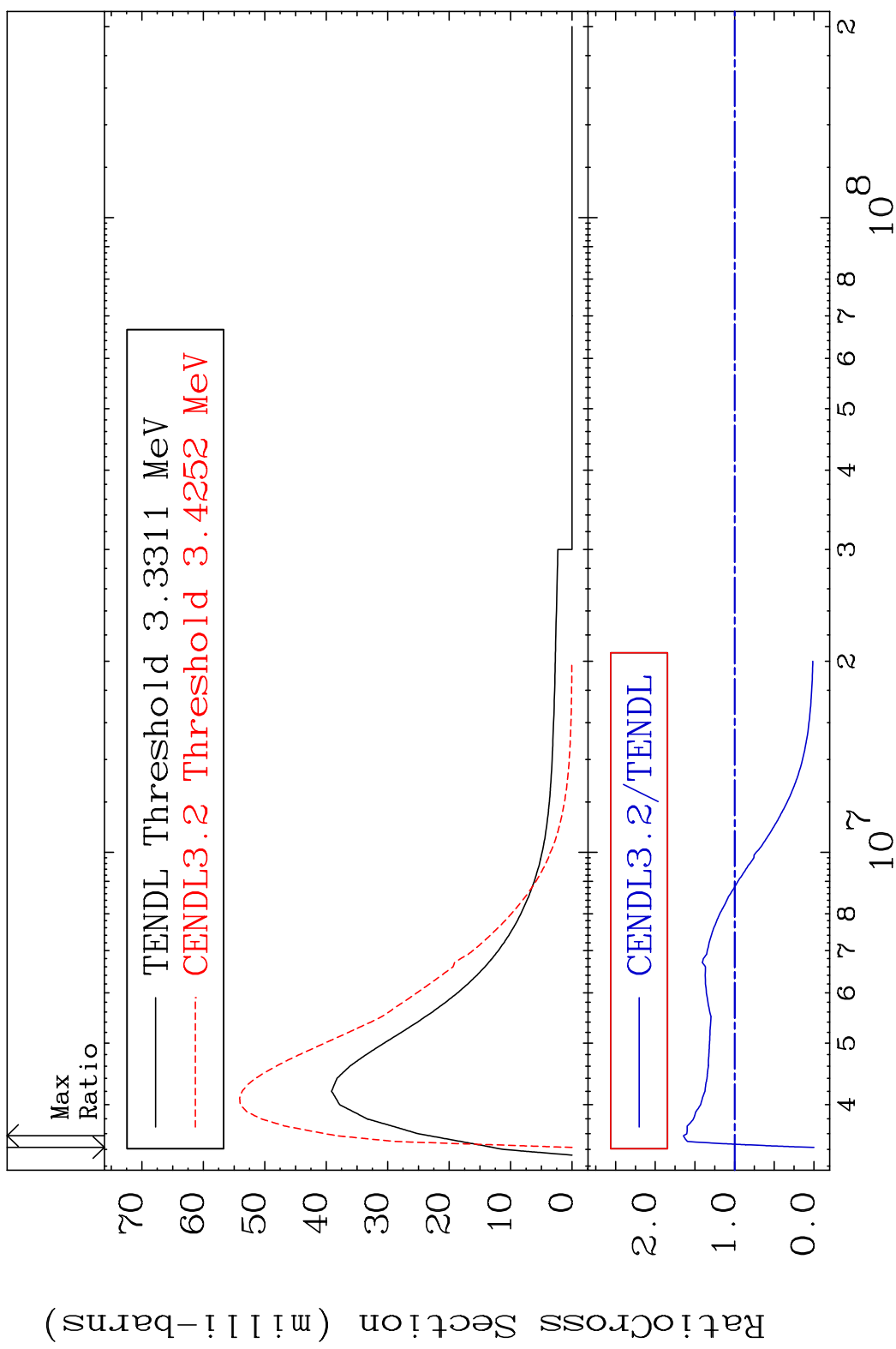
16 Incident Energy (eV) 28-Ni-62

MAT 2837 MT= 61 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 308.1 %

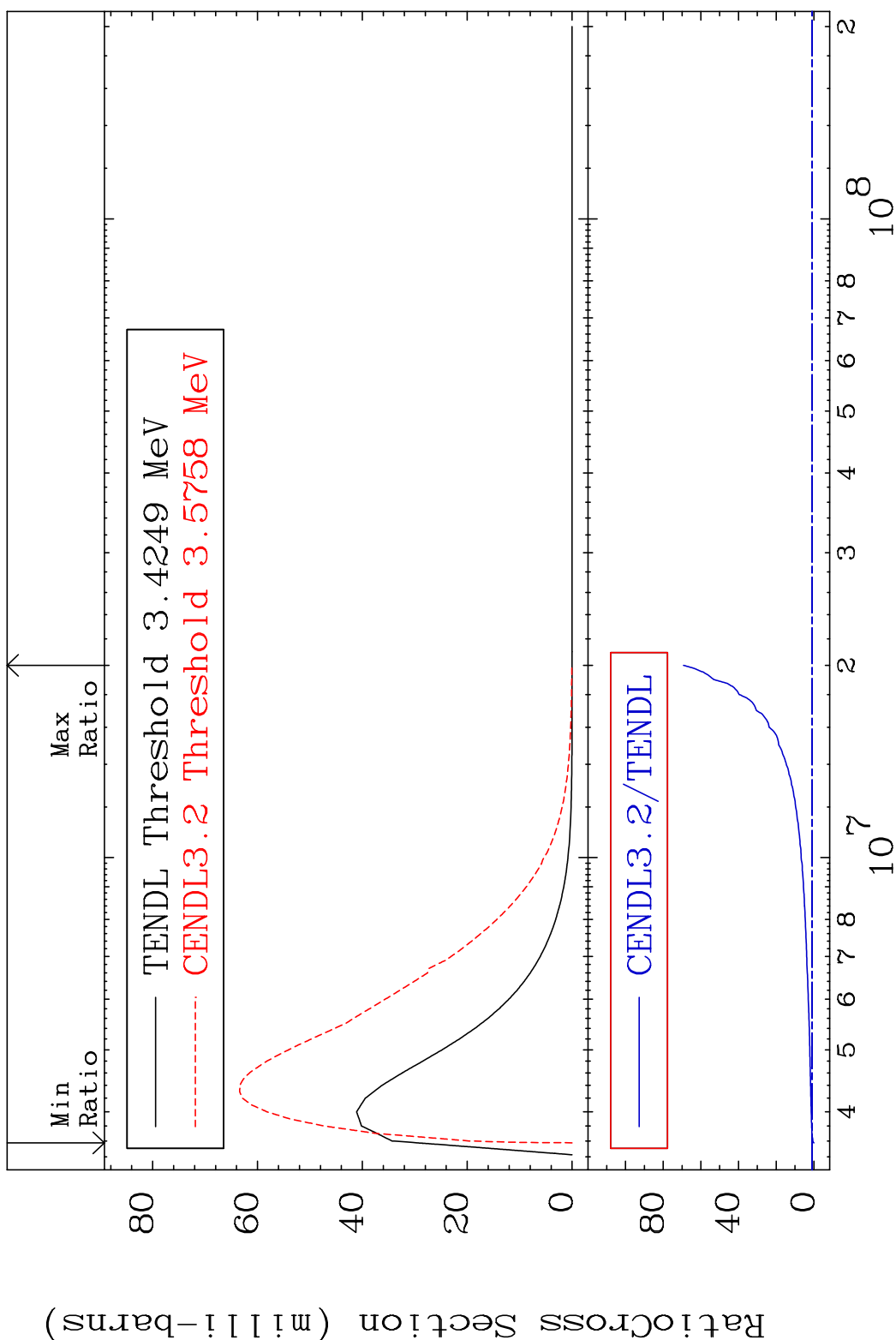


17 Incident Energy (eV) 28-Ni-62

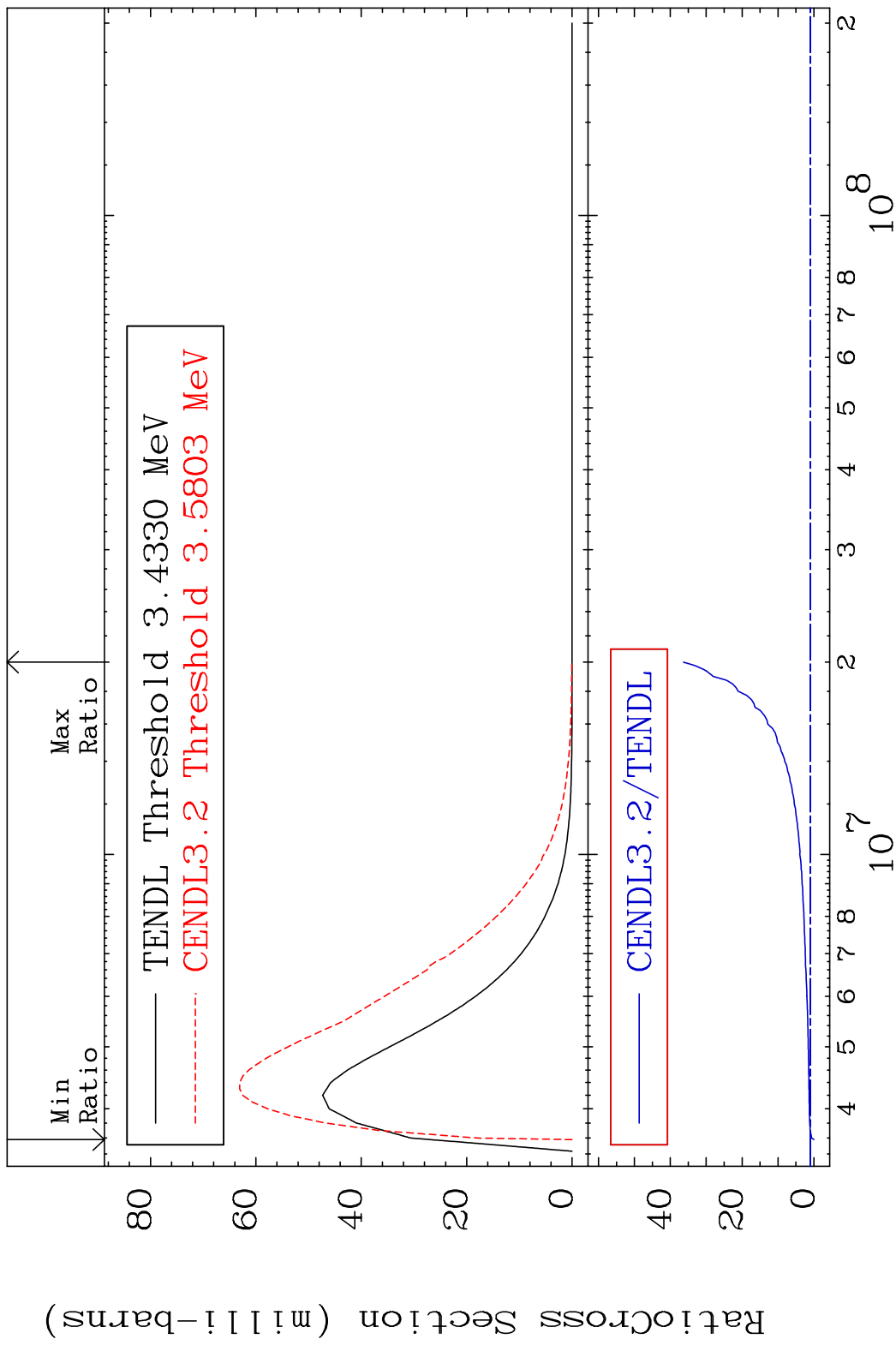
MAT 2837 MT= 62 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 64.43 %



MAT 2837 MT= 63 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 6824. %

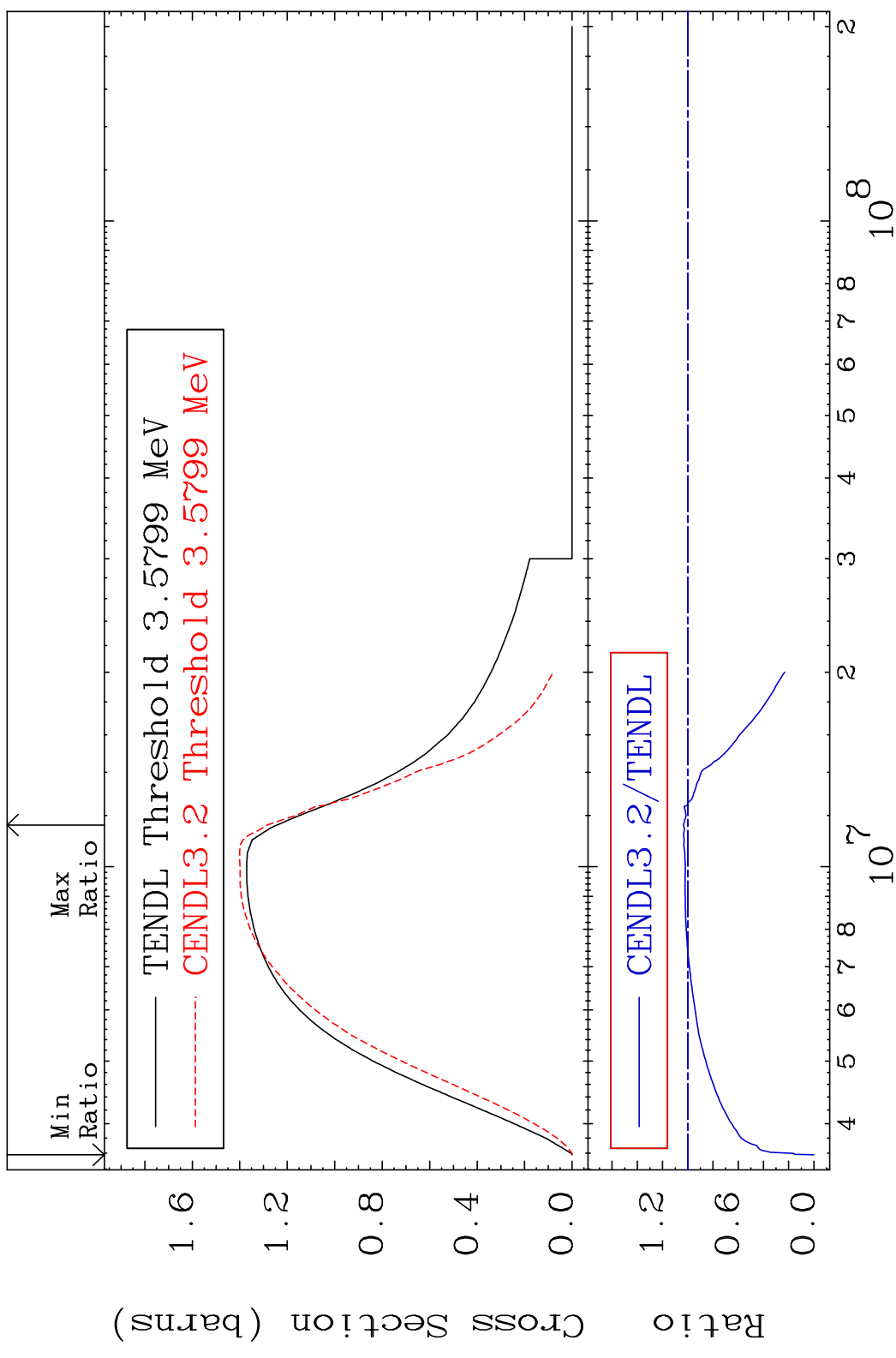


MAT 2837 MT= 64 (n, n') Level 28-Ni-62
 Cross Section -100.0 To 3534. %

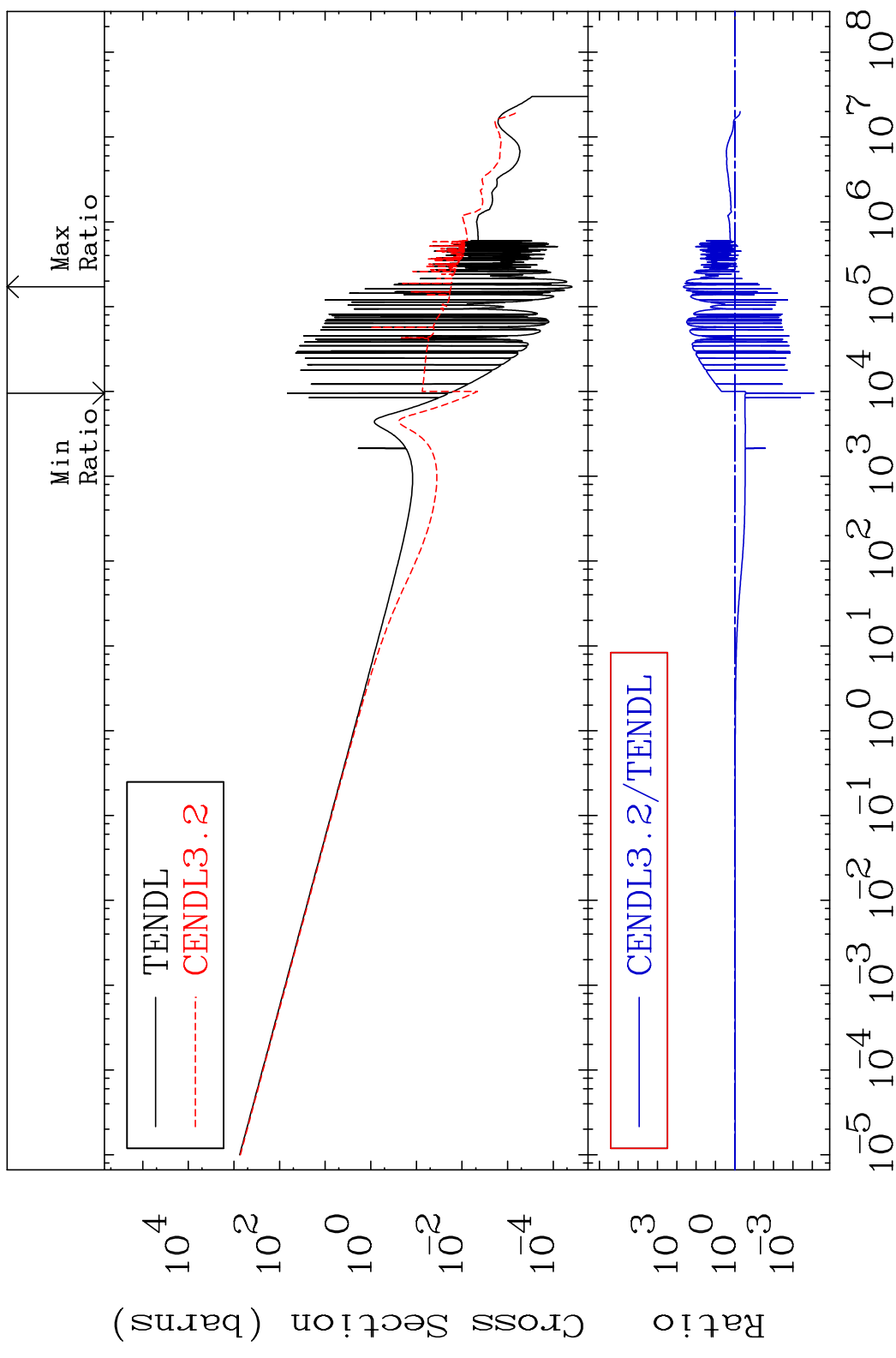


20 Incident Energy (eV) 28-Ni-62

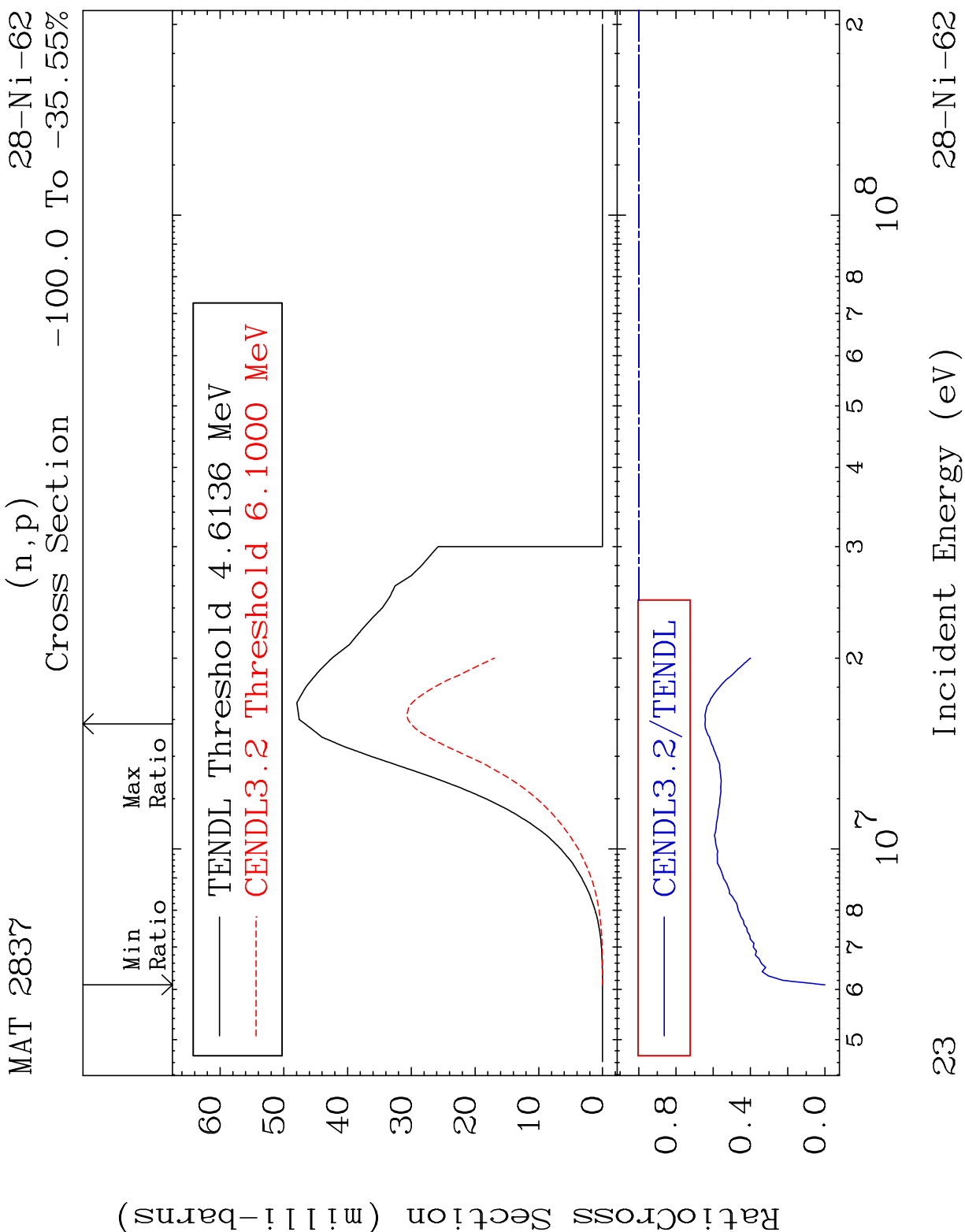
MAT 2837 (n,n') Continuum 28-Ni-62
 Cross Section -100.0 To 3.420 %



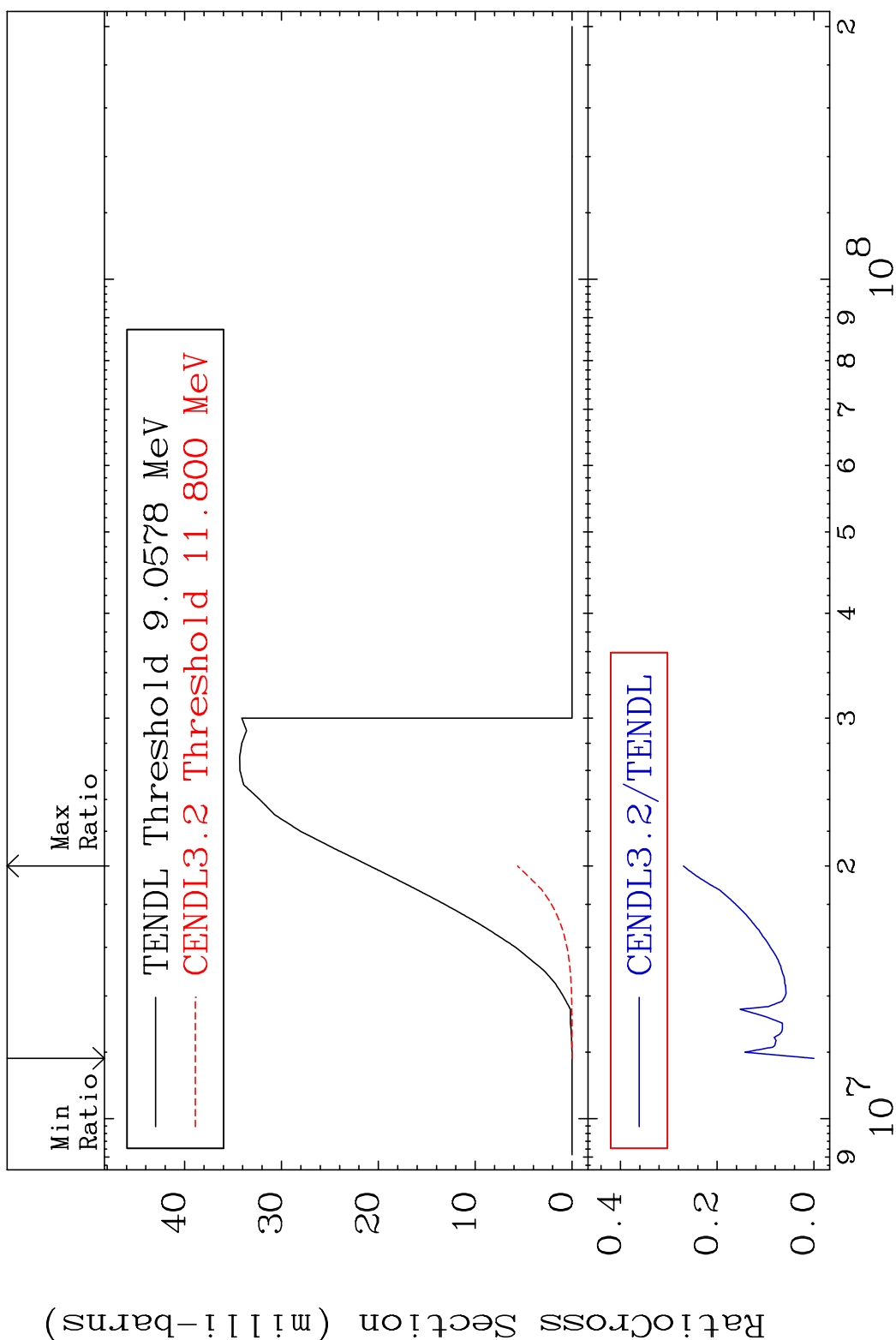
MAT 2837 (n, γ) 28-Ni-62
 Cross Section -99.99 To 9999. %



22 Incident Energy (eV) 28-Ni-62

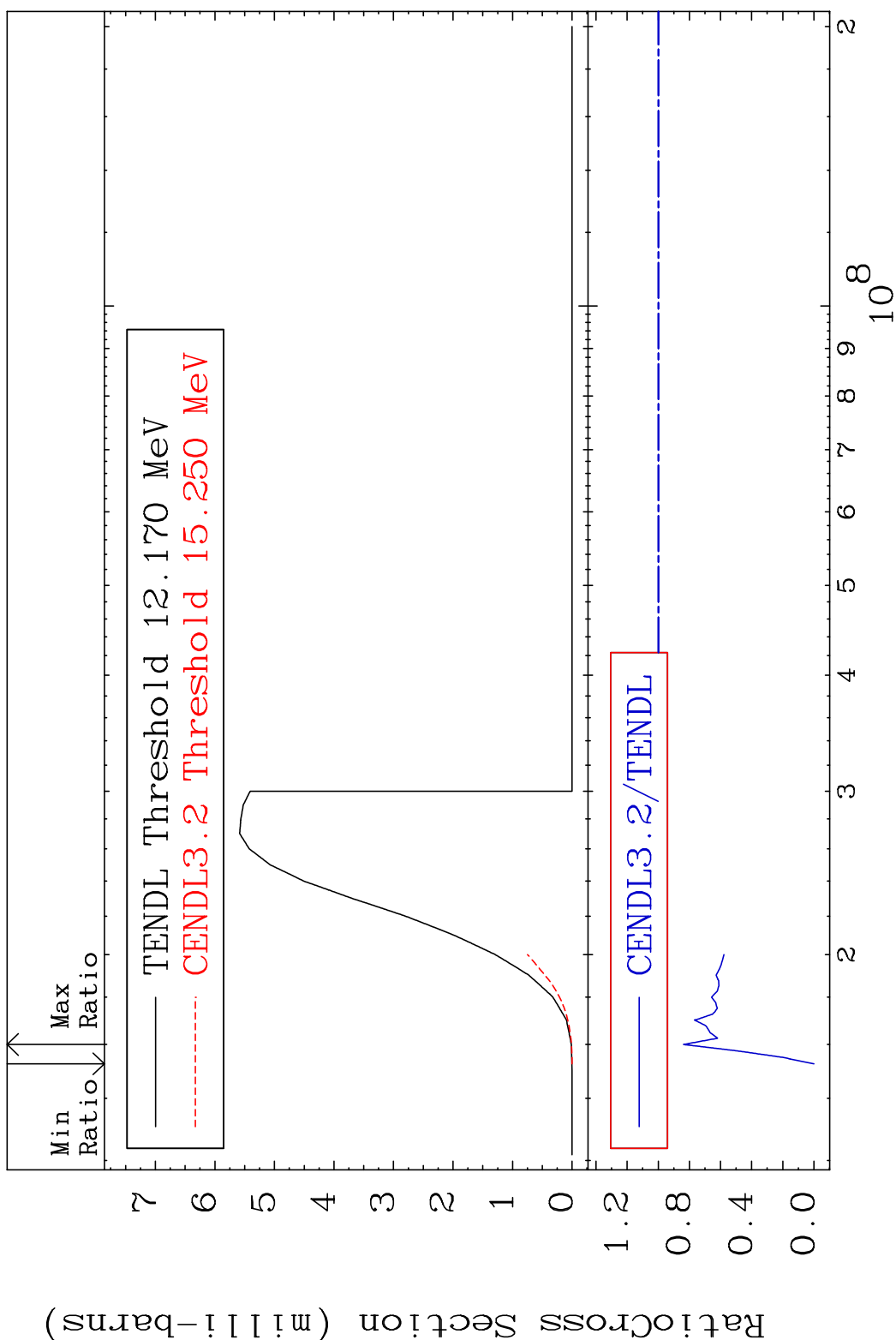


MAT 2837 (n, d) ²⁸Ni-62
 Cross Section -100.0 To -73.03%



24 Incident Energy (eV) ²⁸Ni-62

MAT 2837 (n, t) ²⁸Ni-62
 Cross Section -100.0 To -16.19%



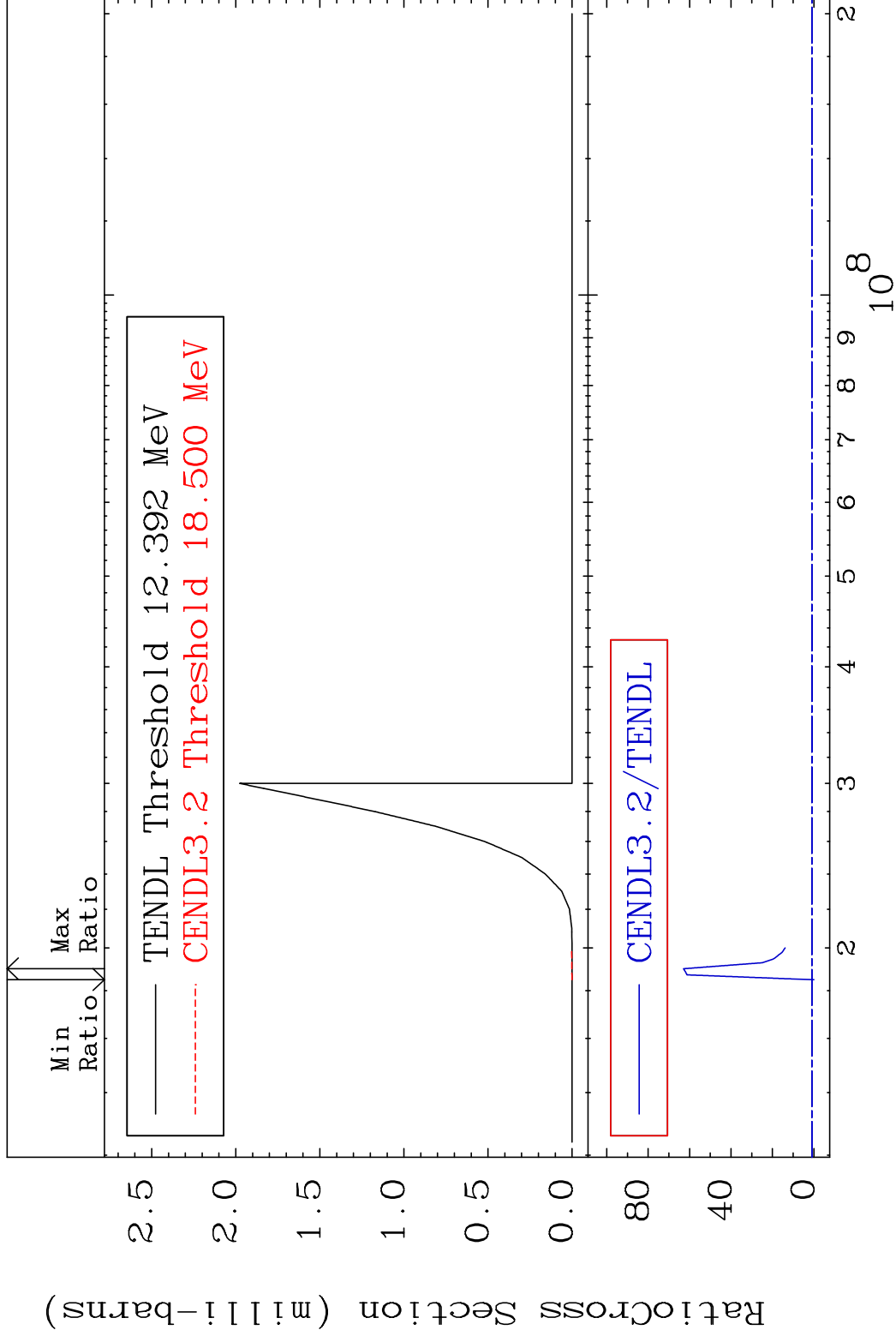
25 Incident Energy (eV) ²⁸Ni-62

MAT 2837

(n, He-3)

28-Ni-62

Cross Section -100.0 To 6196. %

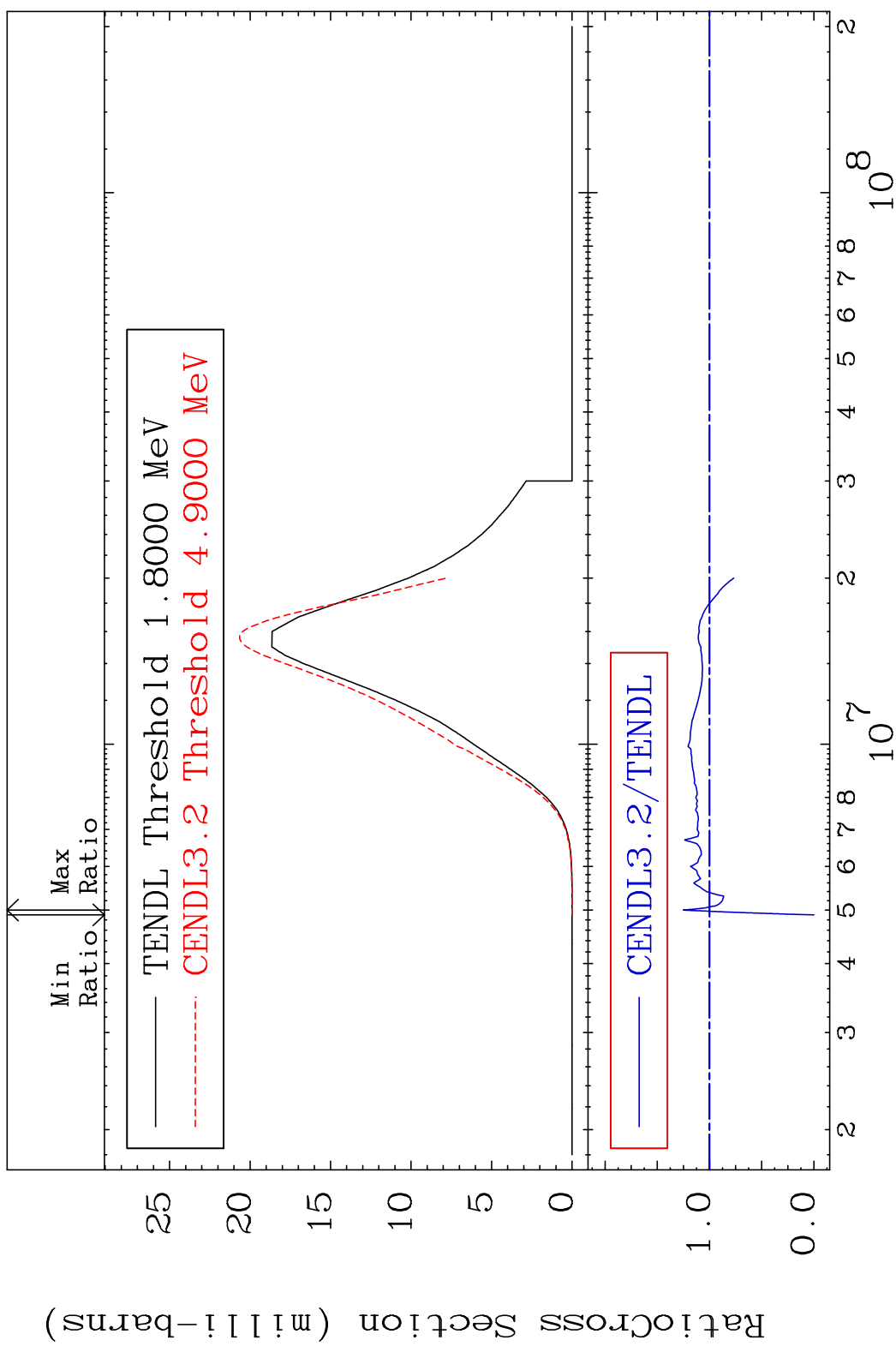


26

Incident Energy (eV)

28-Ni-62

MAT 2837 (n, α) 28-Ni-62
 Cross Section -100.0 To 24.94 %



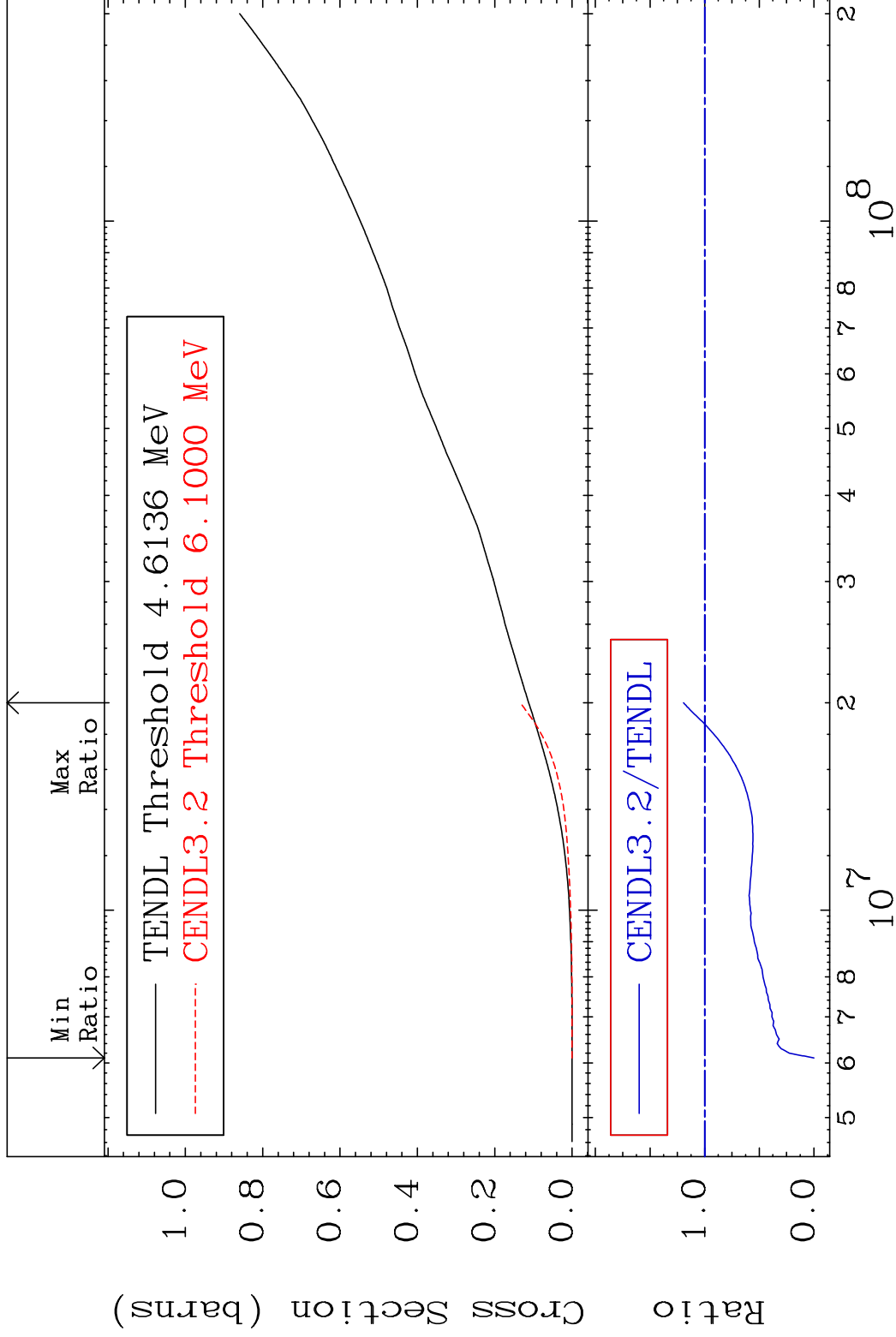
27 28-Ni-62

MAT 2837

Hydrogen Production

²⁸Ni-62

Cross Section -100.0 To 19.40 %



28

Incident Energy (eV)

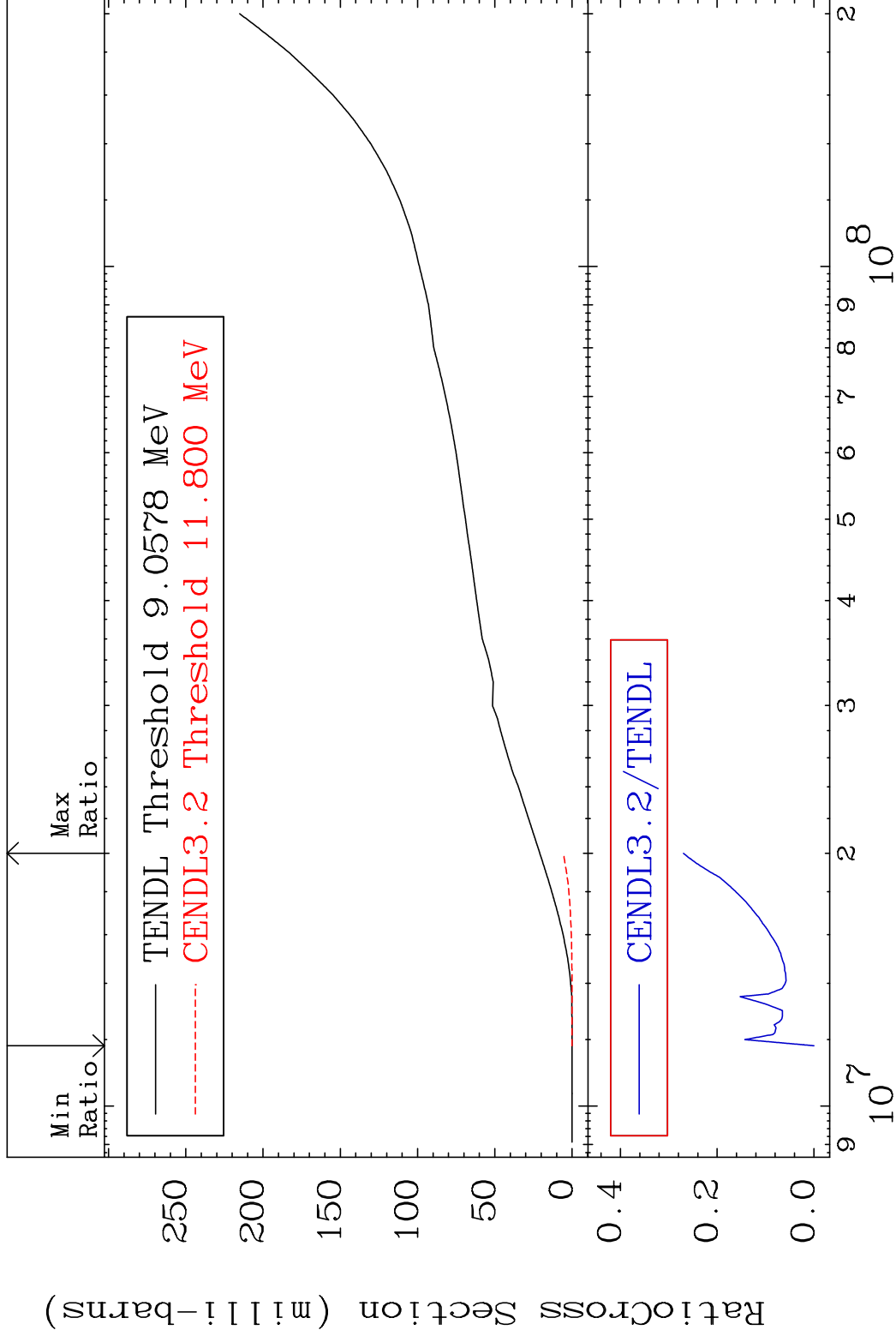
²⁸Ni-62

MAT 2837

Deuterium Production

²⁸Ni-62

Cross Section -100.0 To -73.03%



29

Incident Energy (eV)

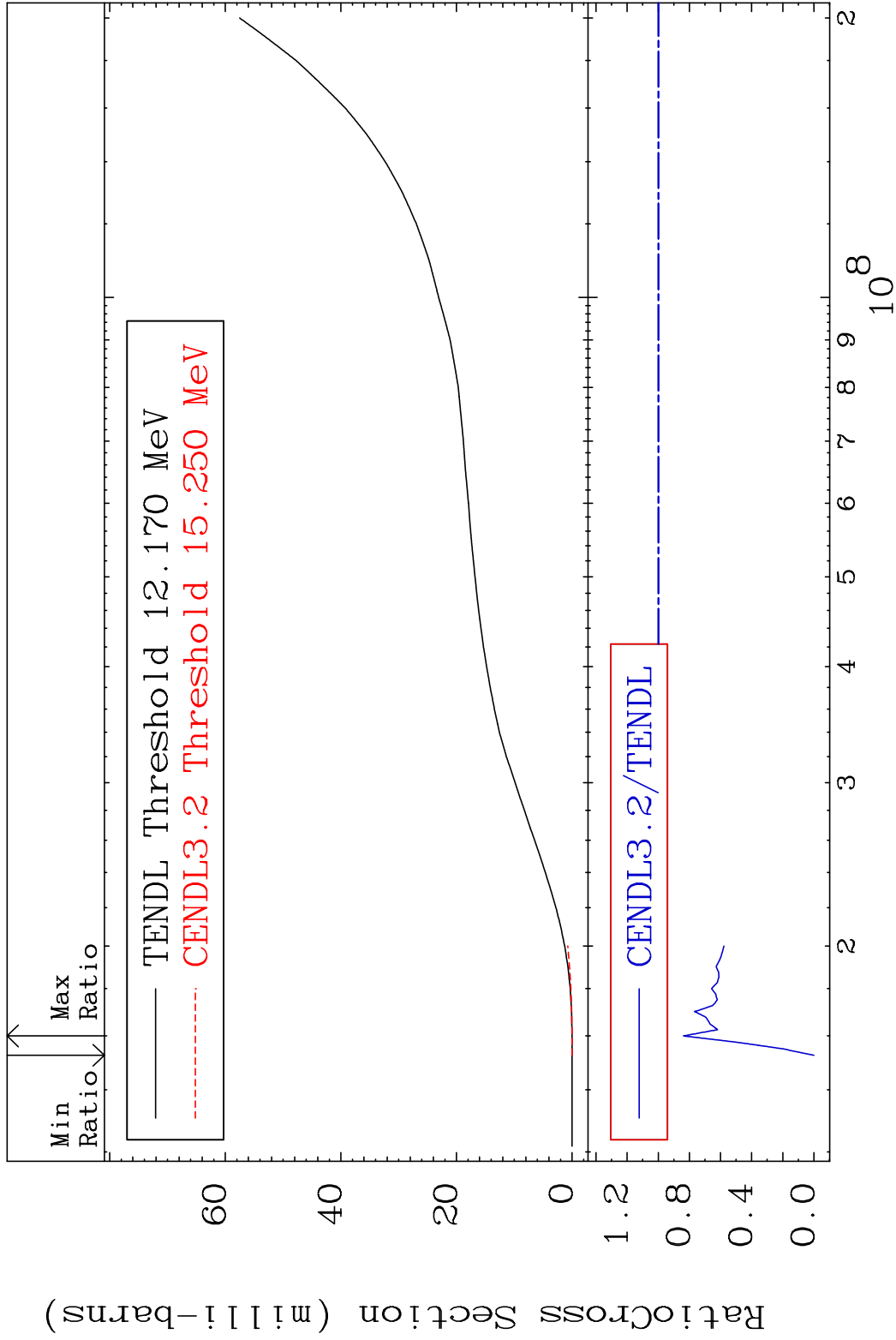
²⁸Ni-62

MAT 2837

Tritium Production

²⁸Ni-62

Cross Section -100.0 To -16.19%



30

Incident Energy (eV)

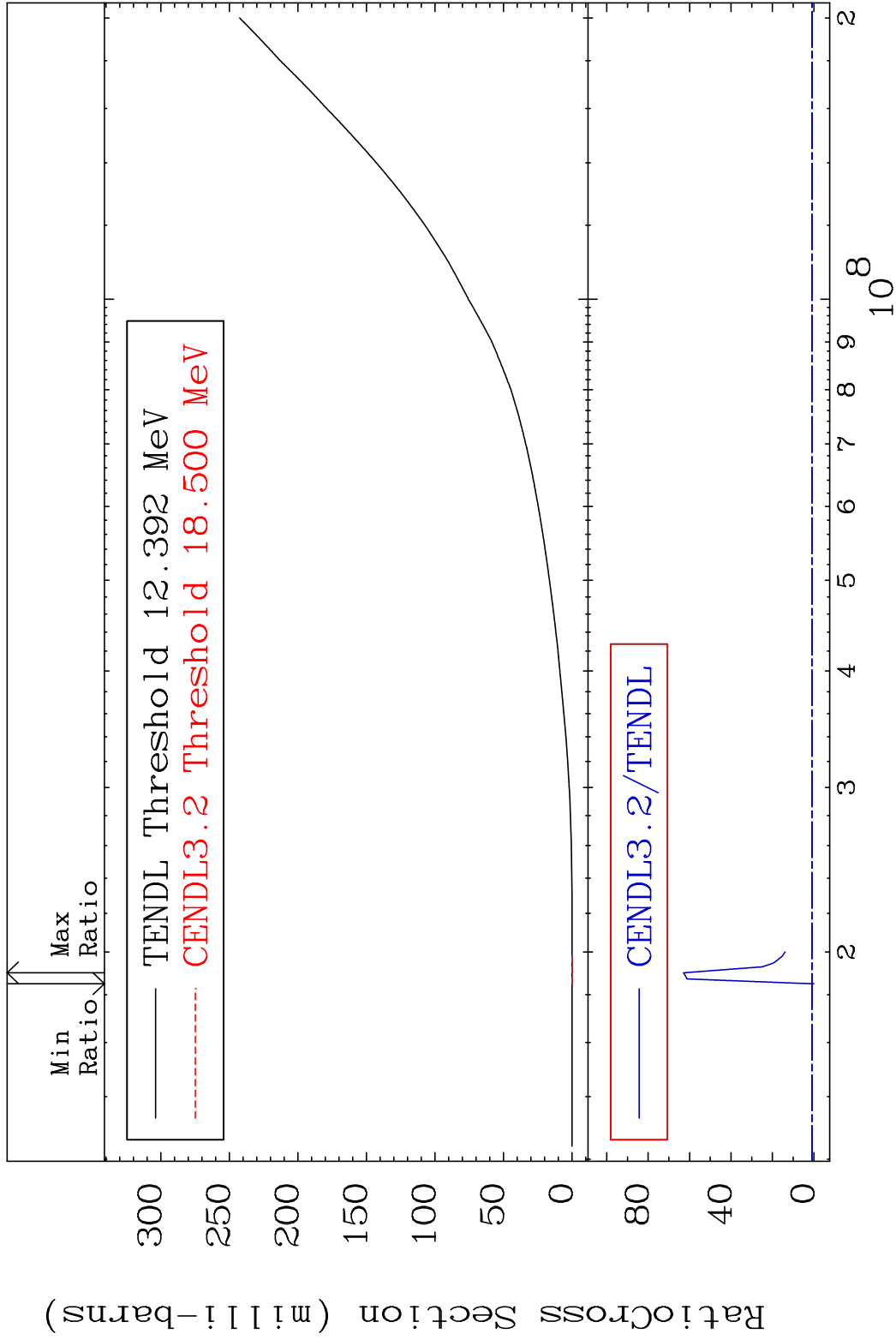
²⁸Ni-62

MAT 2837

He-3 Production

28-Ni-62

Cross Section -100.0 To 6196. %

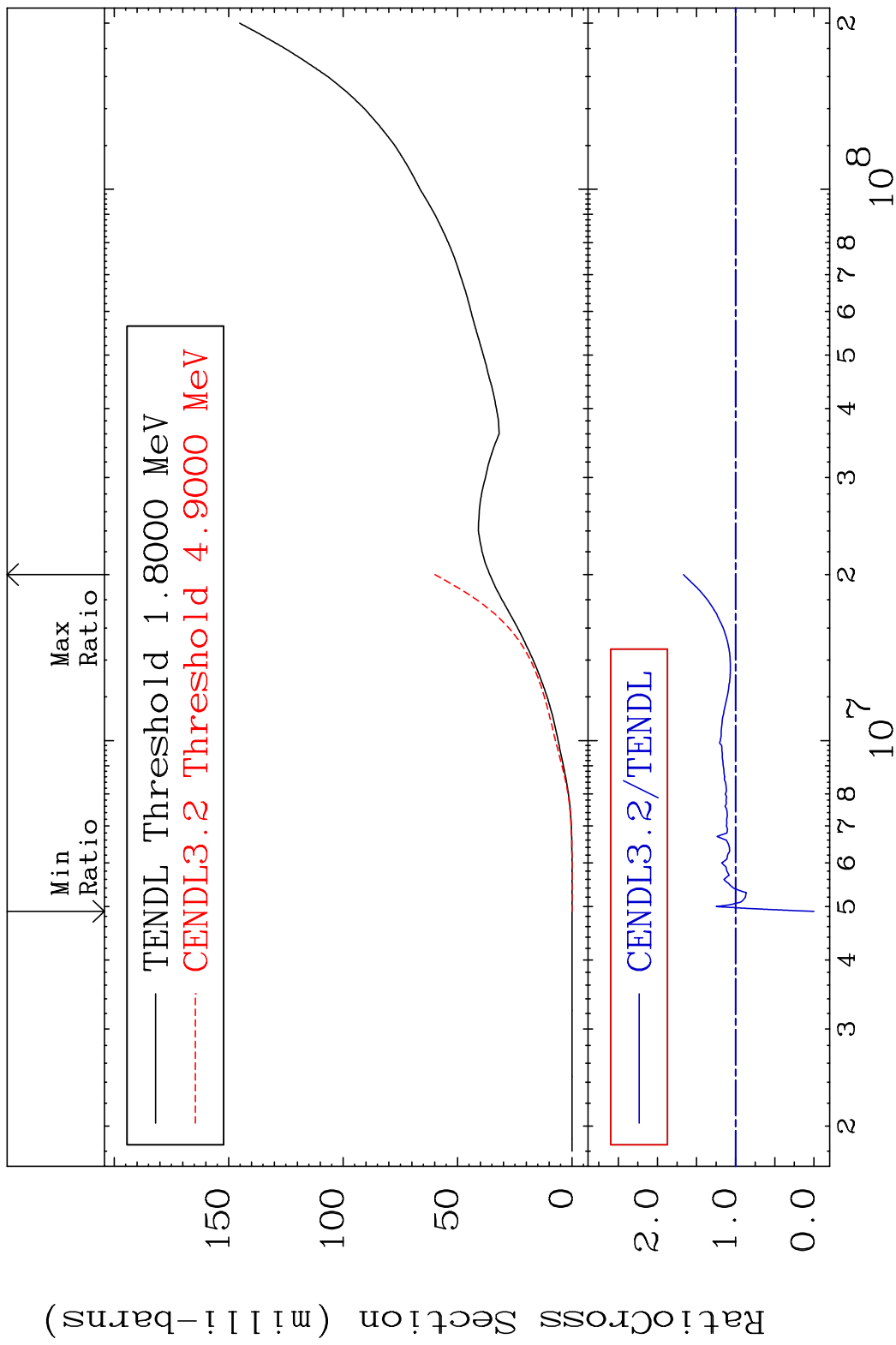


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Incident Energy (eV)

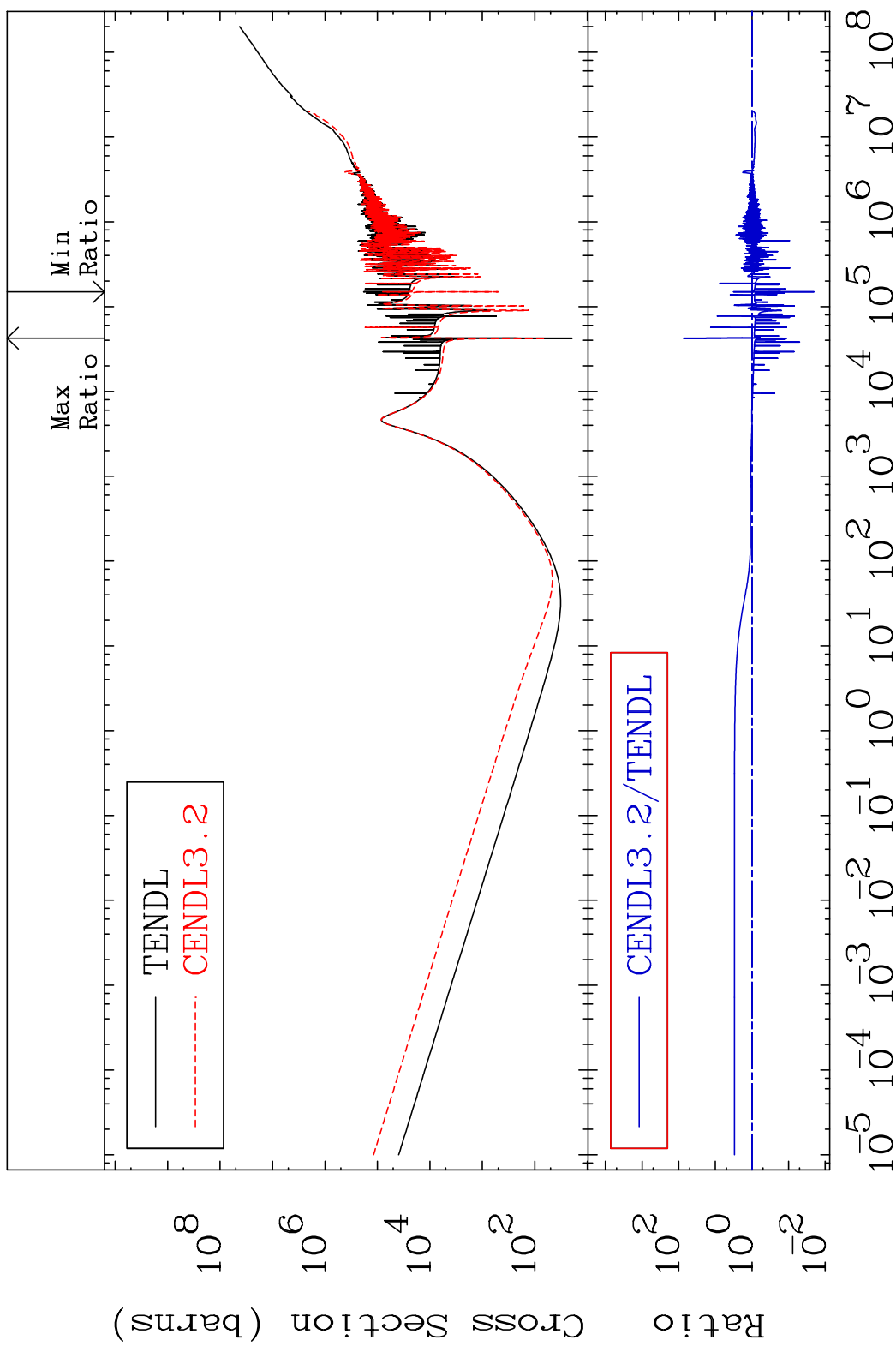
28-Ni-62

MAT 2837 He-4 Production 28-Ni-62
 Cross Section -100.0 To 66.75 %



32 28-Ni-62

MAT 2837 Kerma total (eV-barns) 28-Ni-62
 Cross Section -97.97 To 7315. %

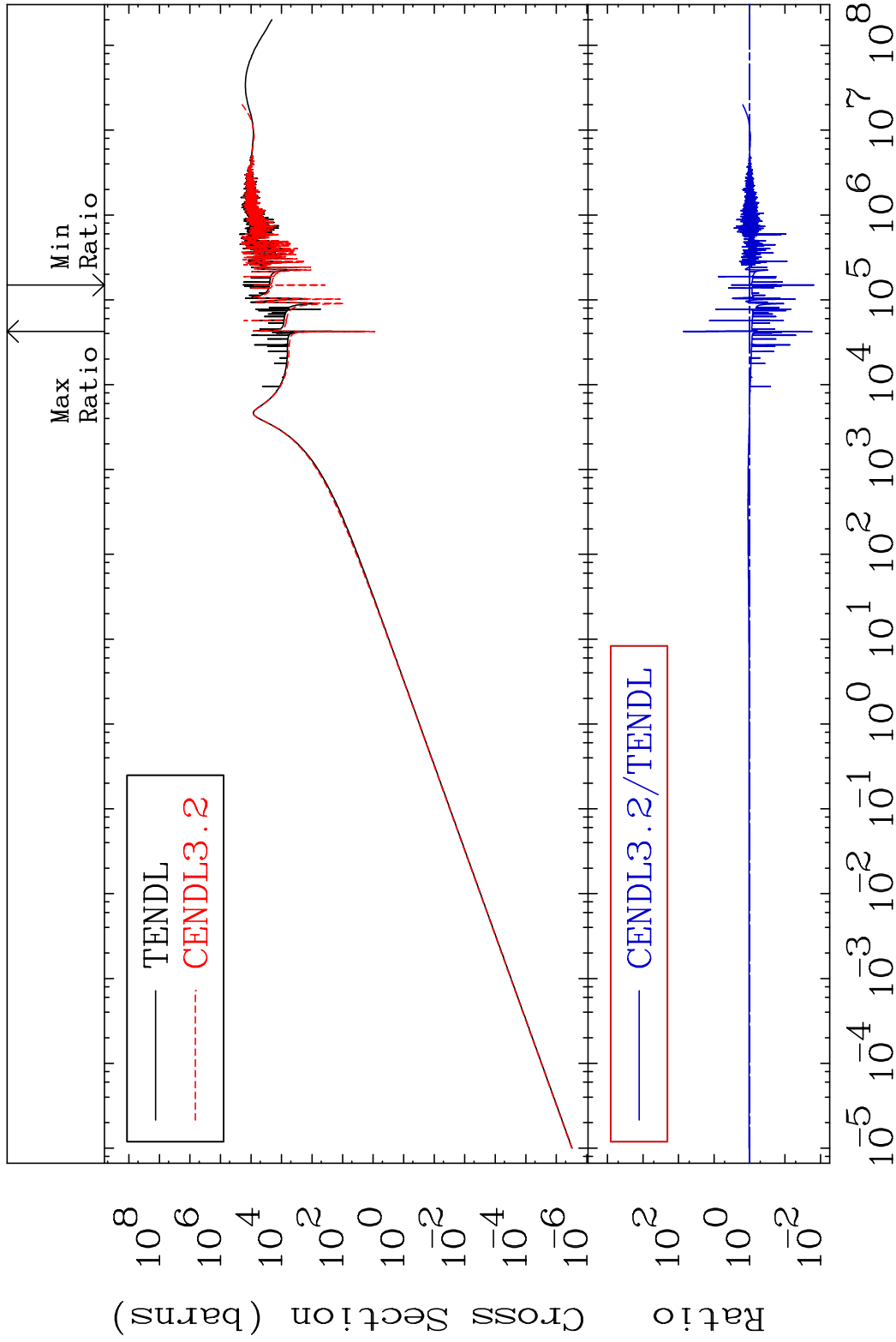


33 Incident Energy (eV) 28-Ni-62

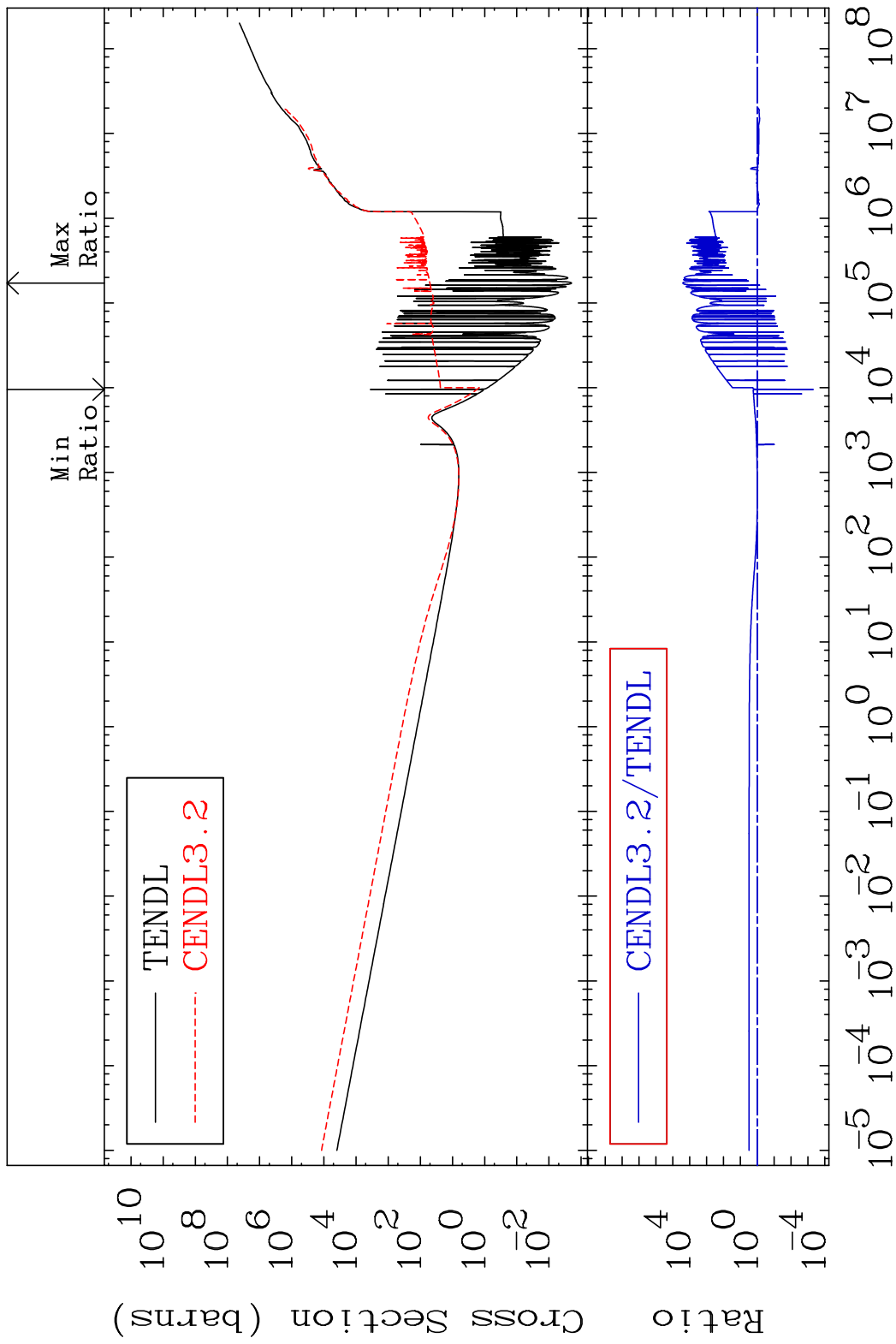
MAT 2837

Kerma elastic
Cross Section

28-Ni-62
-98.47 To 7153. %

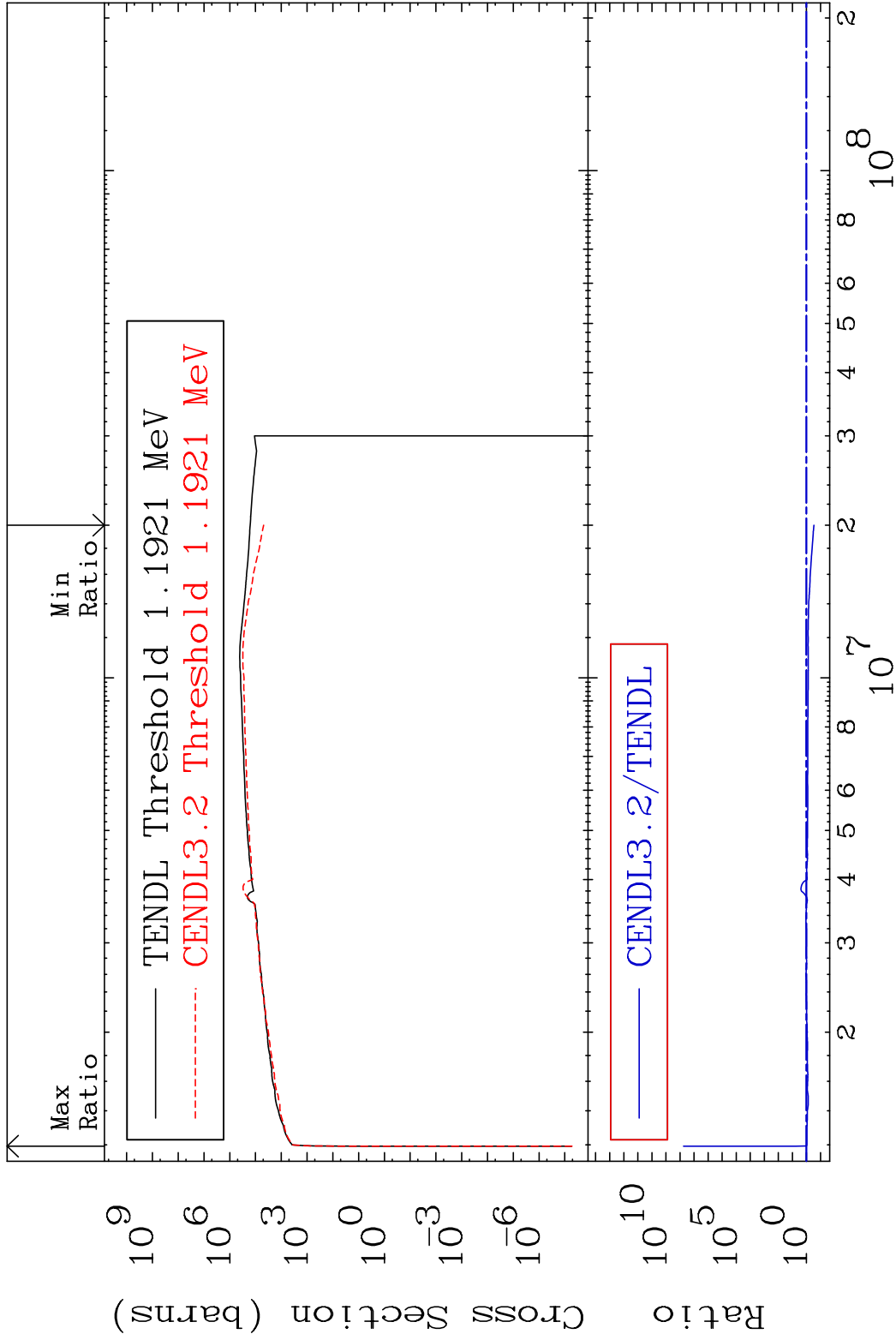


MAT 2837 Kerma non-elastic (all but mt2) 28-Ni-62
 Cross Section -99.95 To 9999. %

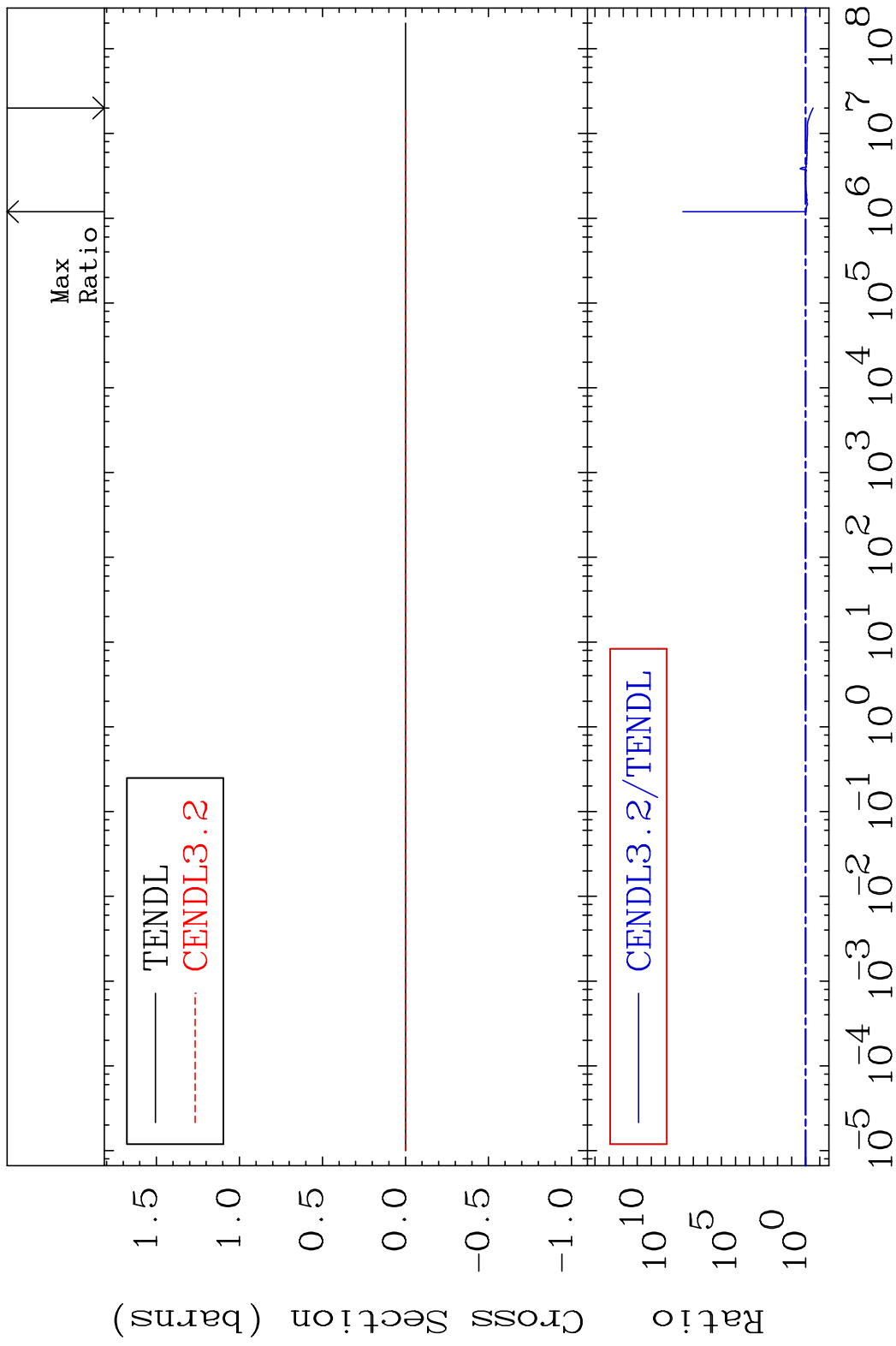


35 Incident Energy (eV) 28-Ni-62

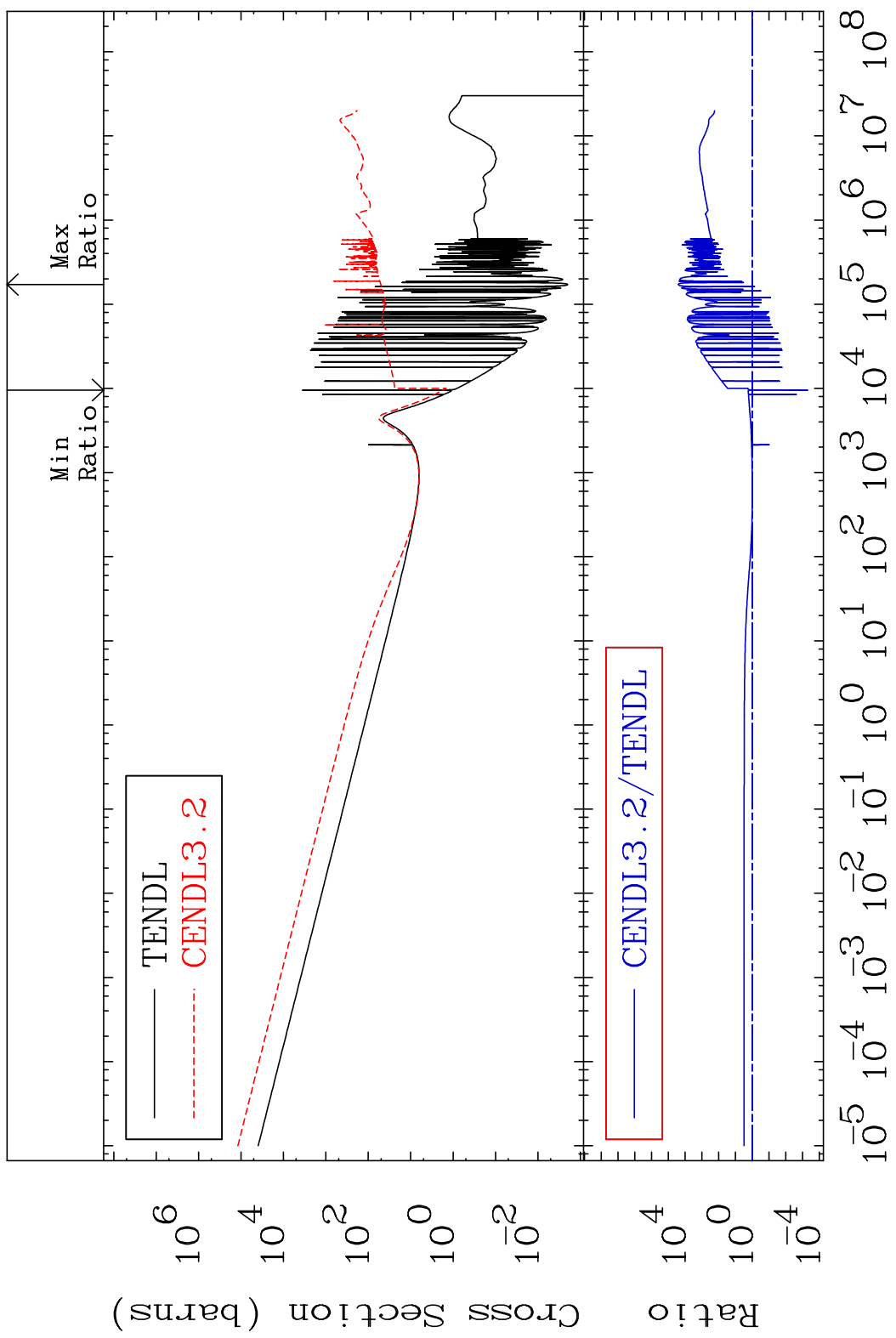
MAT 2837 Kerma inelastic (mt51-91) 28-Ni-62
 Cross Section -70.24 To 9999. %



MAT 2837 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-62
 Cross Section -70.24 To 9999. %

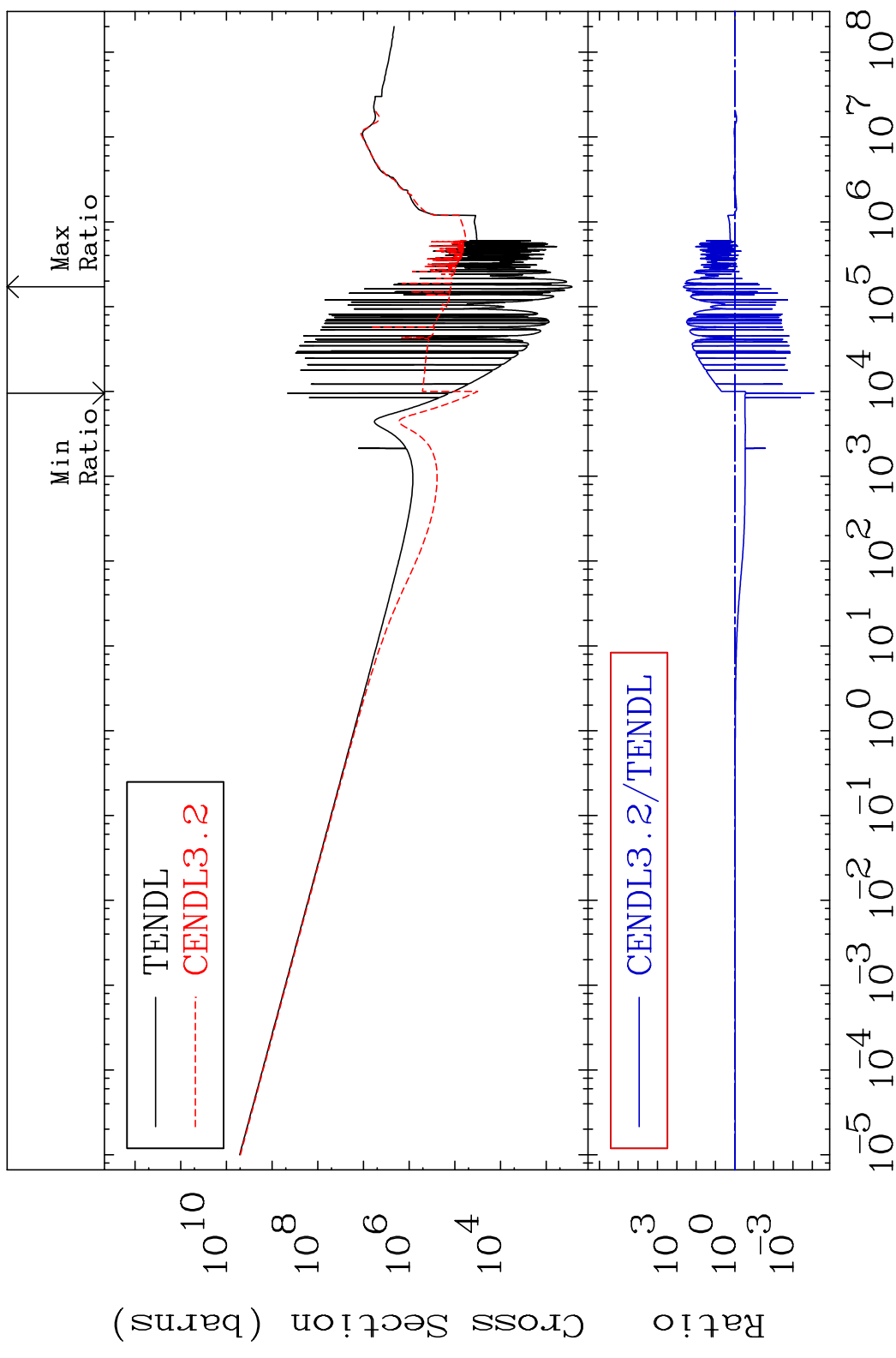


MAT 2837 Kerma capture (mt102) 28-Ni-62
 Cross Section -99.95 To 9999. %



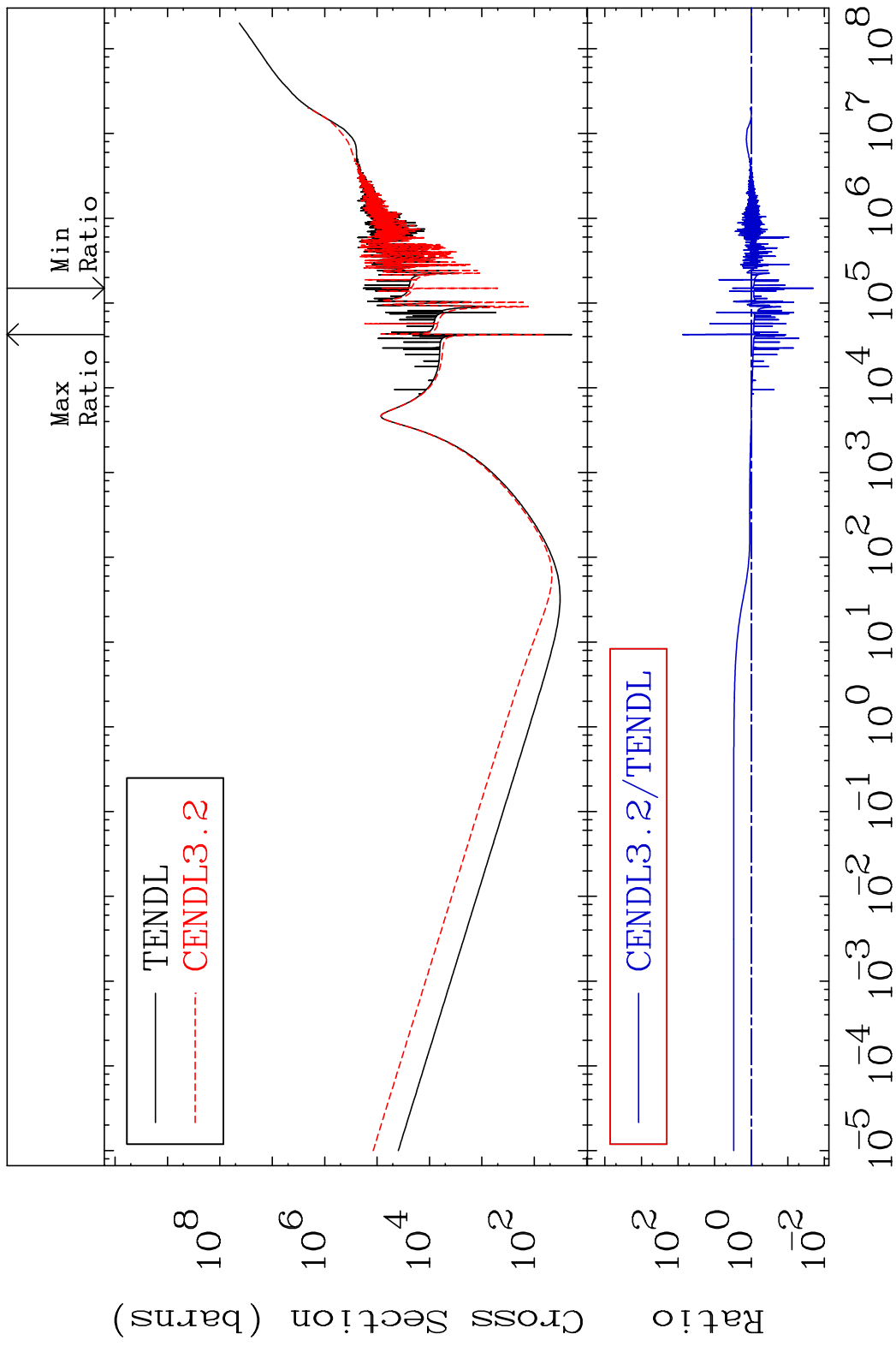
38 Incident Energy (eV) 28-Ni-62

MAT 2837 Total photon (eV-barns) 28-Ni-62
 Cross Section -99.99 To 9999. %



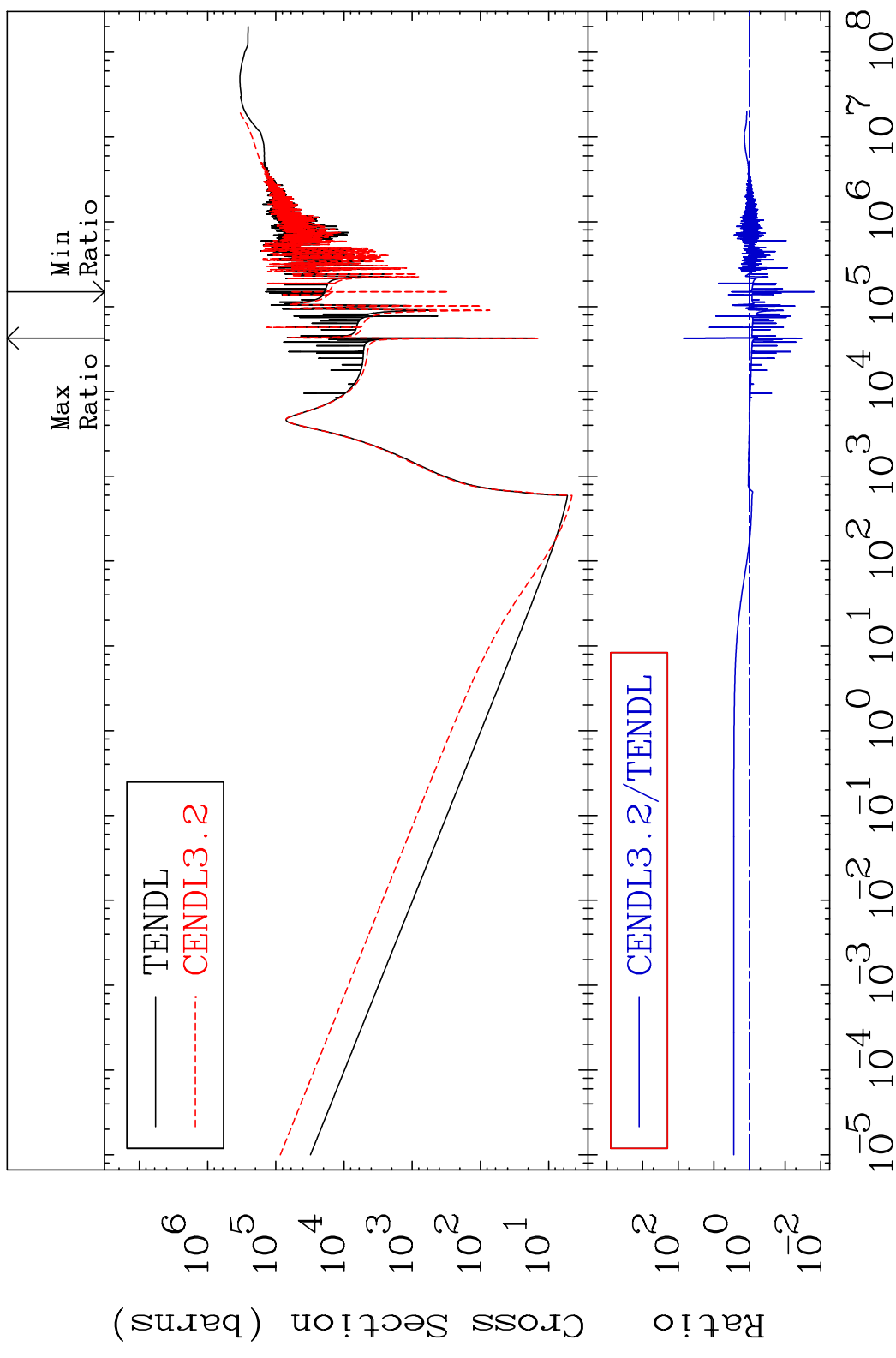
39 Incident Energy (eV) 28-Ni-62

MAT 2837 Total kinematic kerma (high limit) 28-Ni-62
Cross Section -97.97 To 7315. %

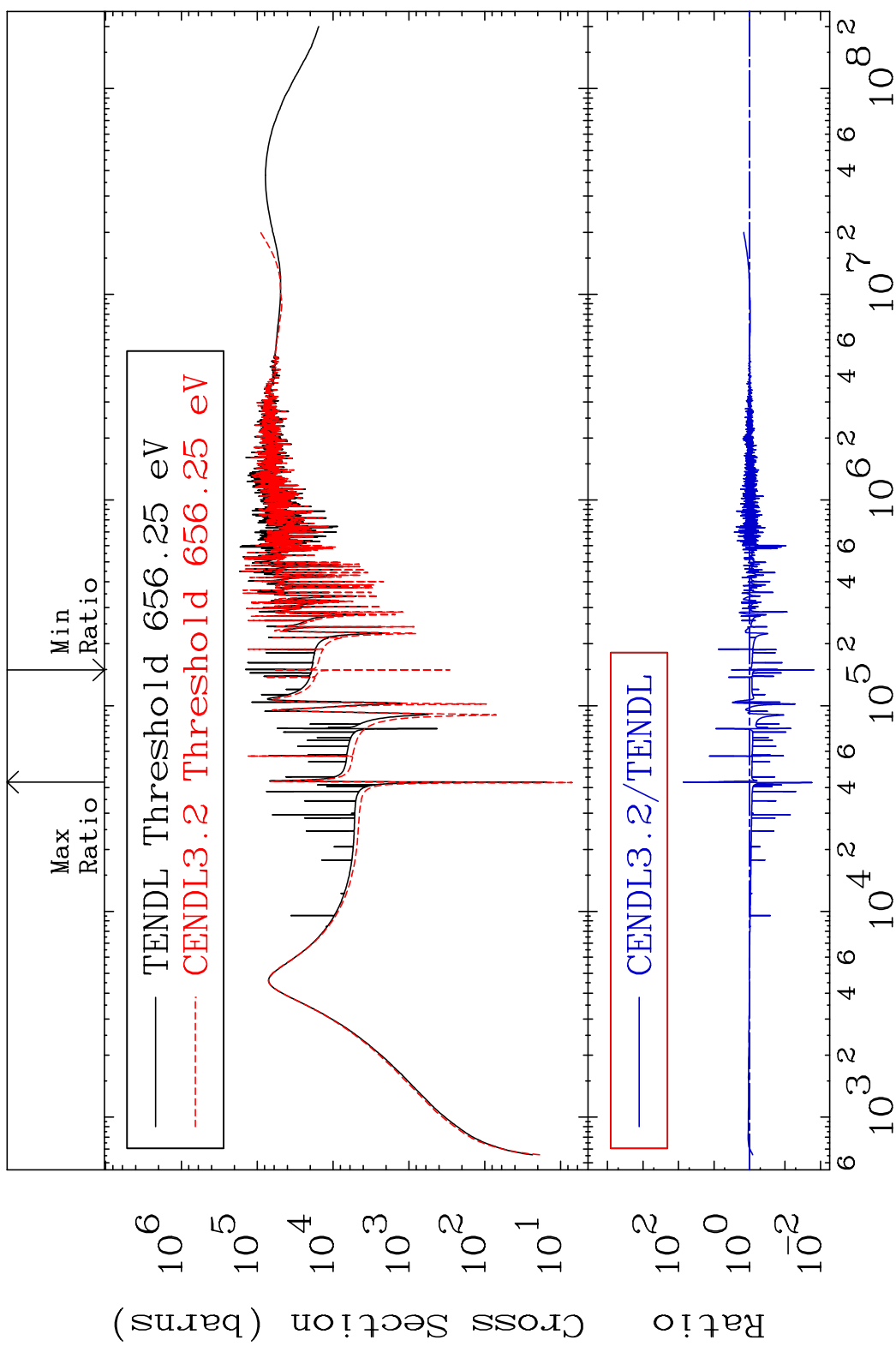


40 Incident Energy (eV) 28-Ni-62

MAT 2837 Dpa total (eV-barns) 28-Ni-62
 Cross Section -98.44 To 7057. %

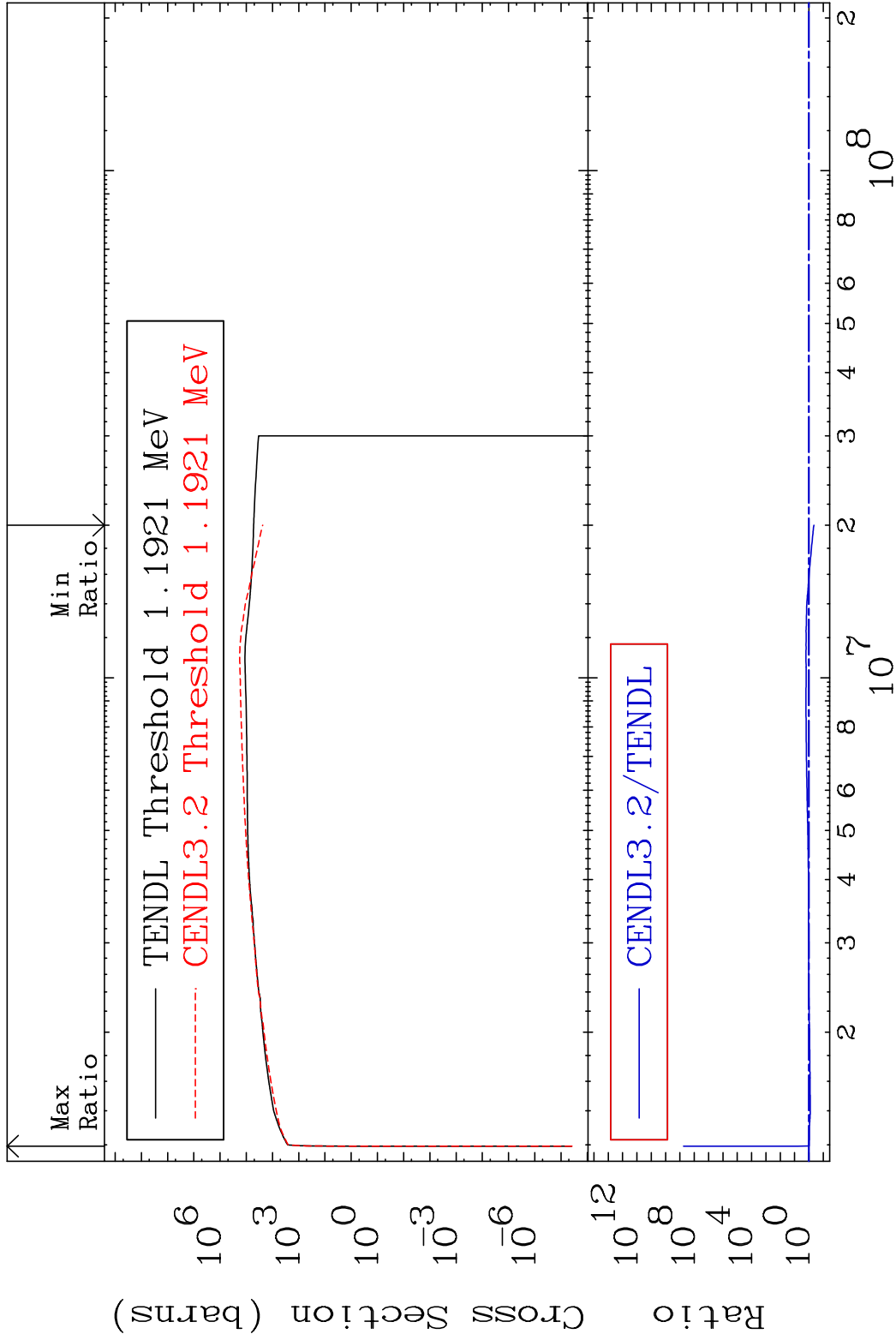


MAT 2837 Dpa elastic (mt2) 28-Ni-62
 Cross Section -98.47 To 7154. %

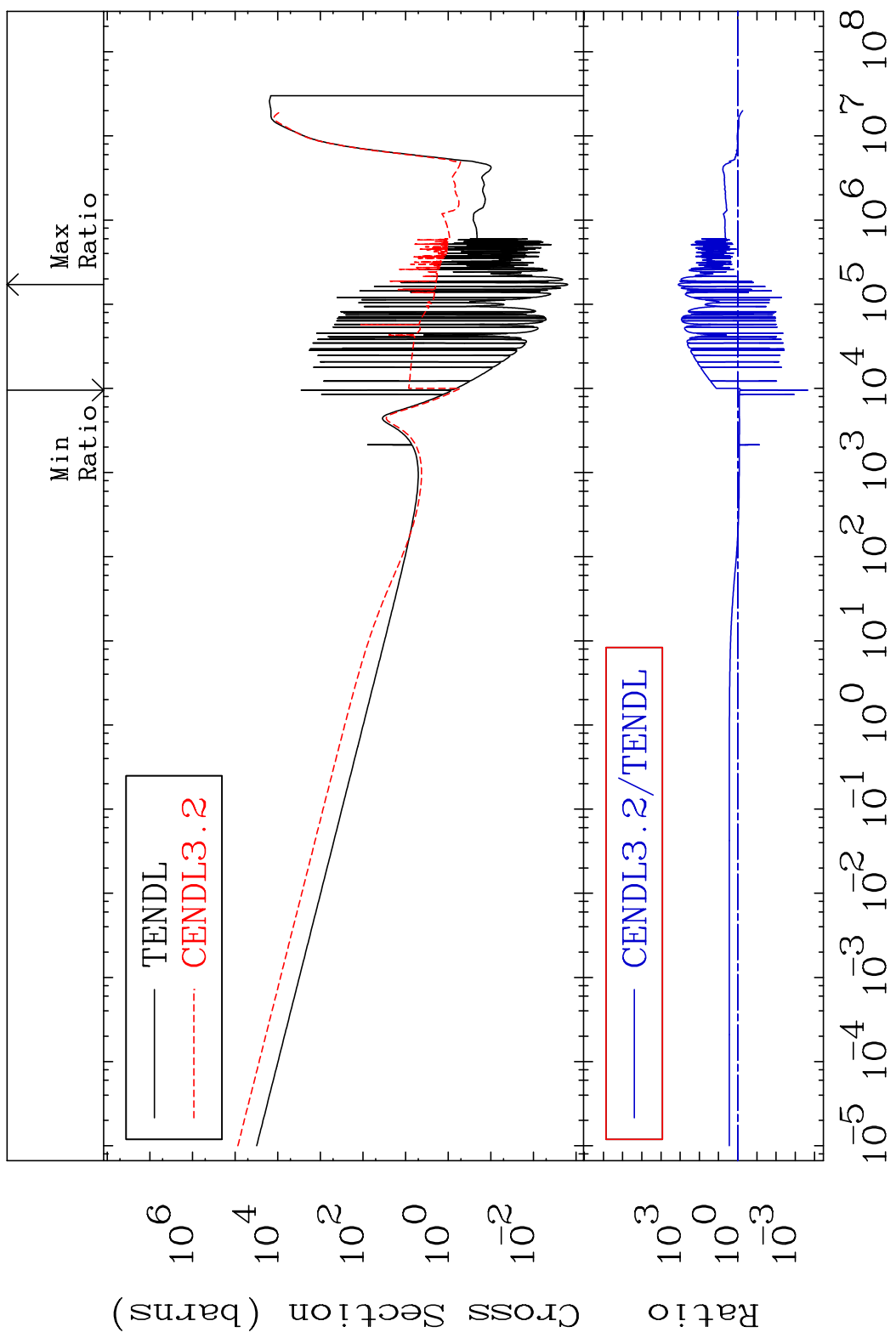


42 Incident Energy (eV) 28-Ni-62

MAT 2837 Dpa inelastic (mt51-91) 28-Ni-62
 Cross Section -54.92 To 9999. %

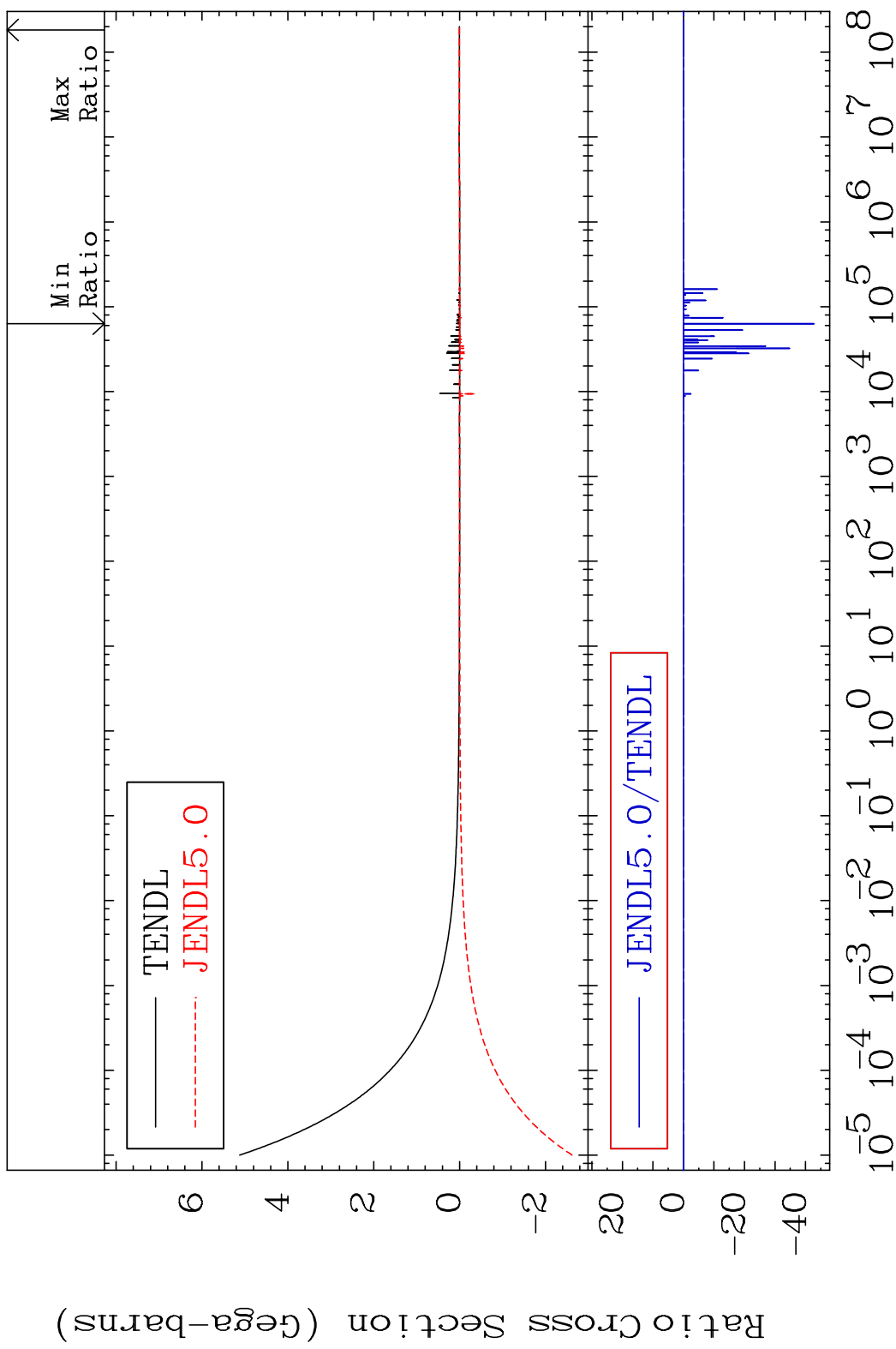


MAT 2837 Dpa disappearance (mt102 -120) 28-Ni-62
 Cross Section -99.98 To 9999. %



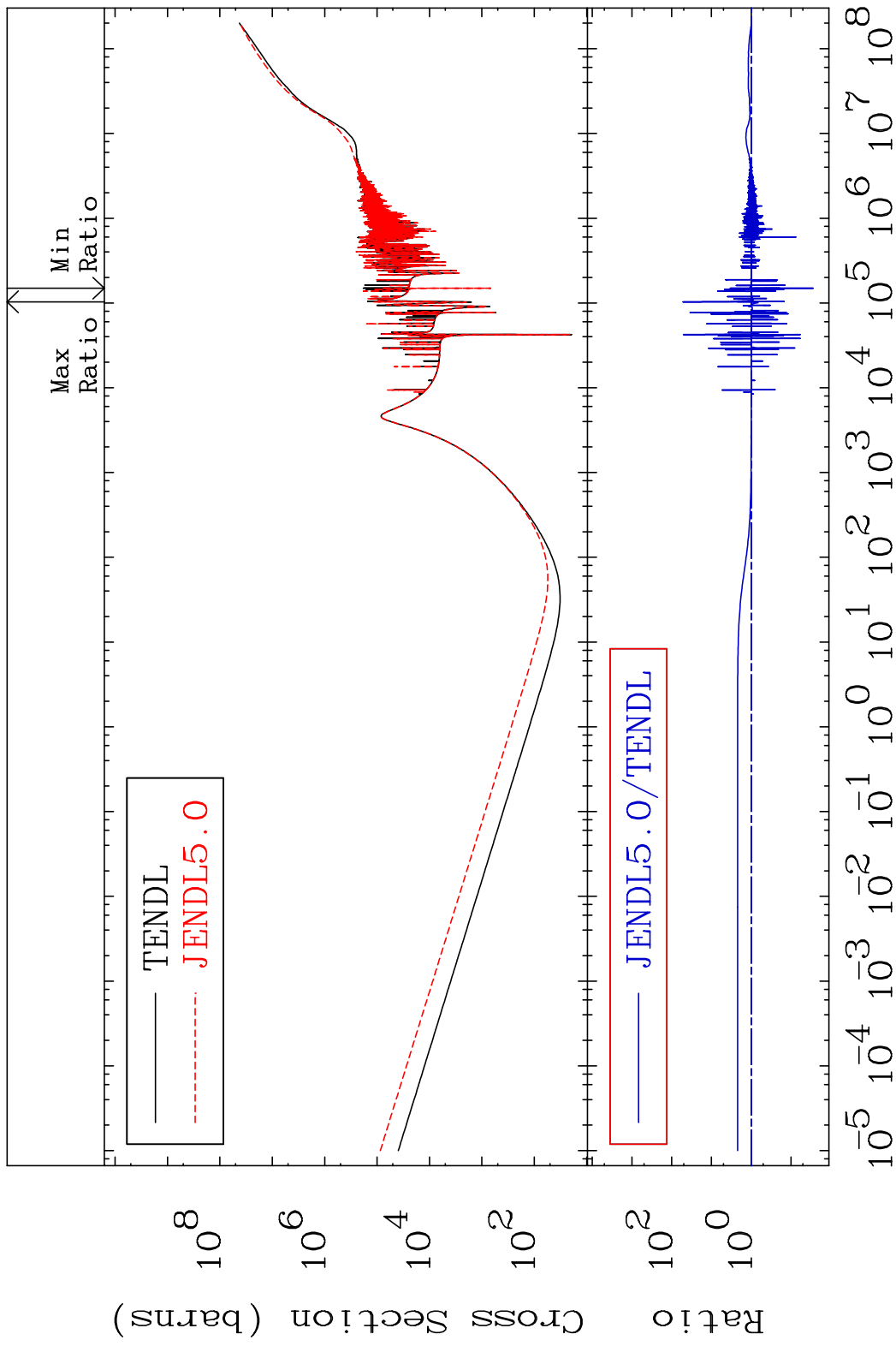
44 Incident Energy (eV) 28-Ni-62

MAT 2837 Total photon (eV-barns) 28-Ni-62
Cross Section -9999. To 97.24 %

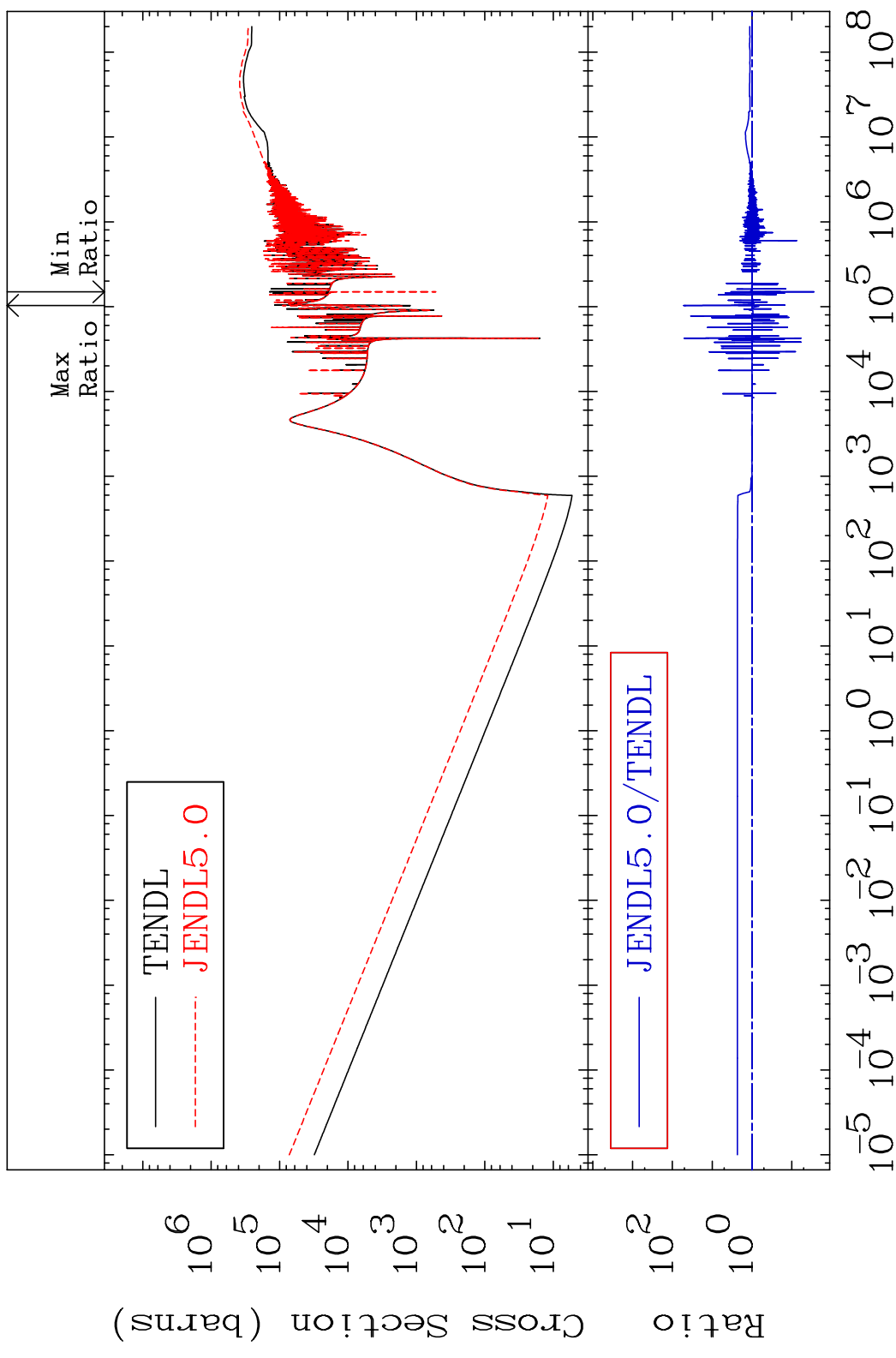


45 Incident Energy (eV) 28-Ni-62

MAT 2837 Total kinematic kerma (high limit) 28-Ni-62
 Cross Section -97.23 To 5167. %

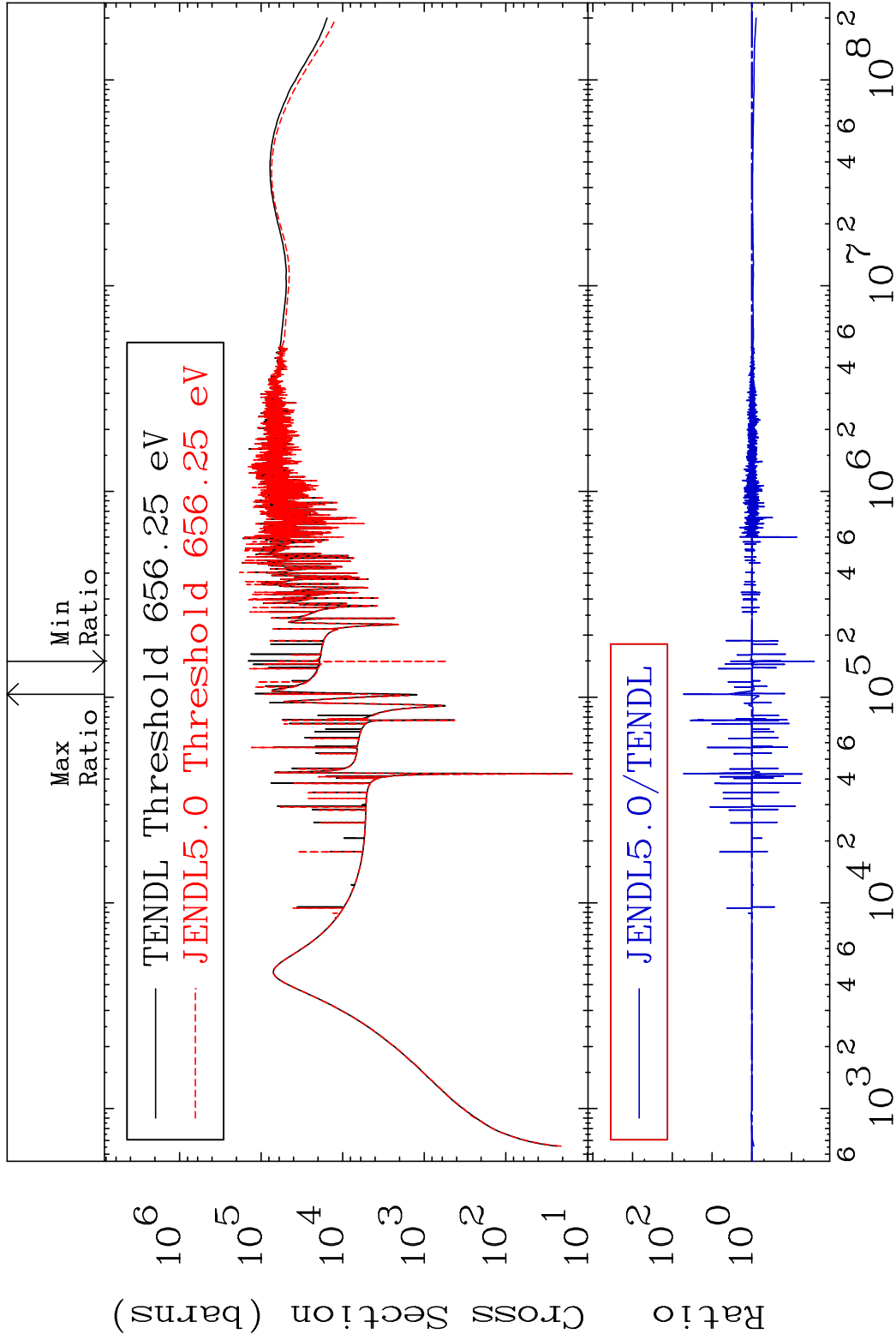


MAT 2837 Dpa total (eV-barns) 28-Ni-62
 Cross Section -97.23 To 5169. %



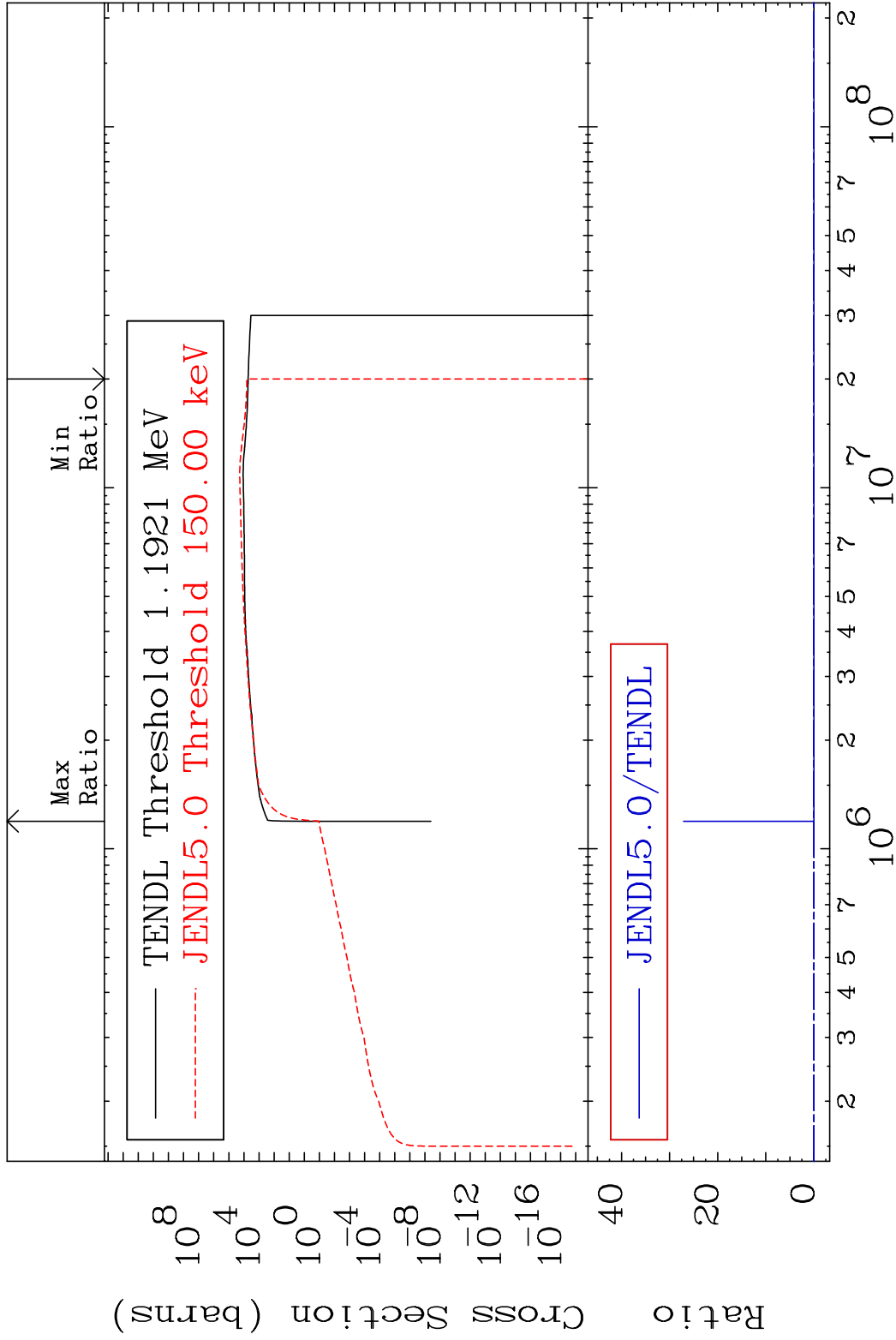
47 Incident Energy (eV) 28-Ni-62

MAT 2837 Dpa elastic (mt2) 28-Ni-62
 Cross Section -97.24 To 5132. %



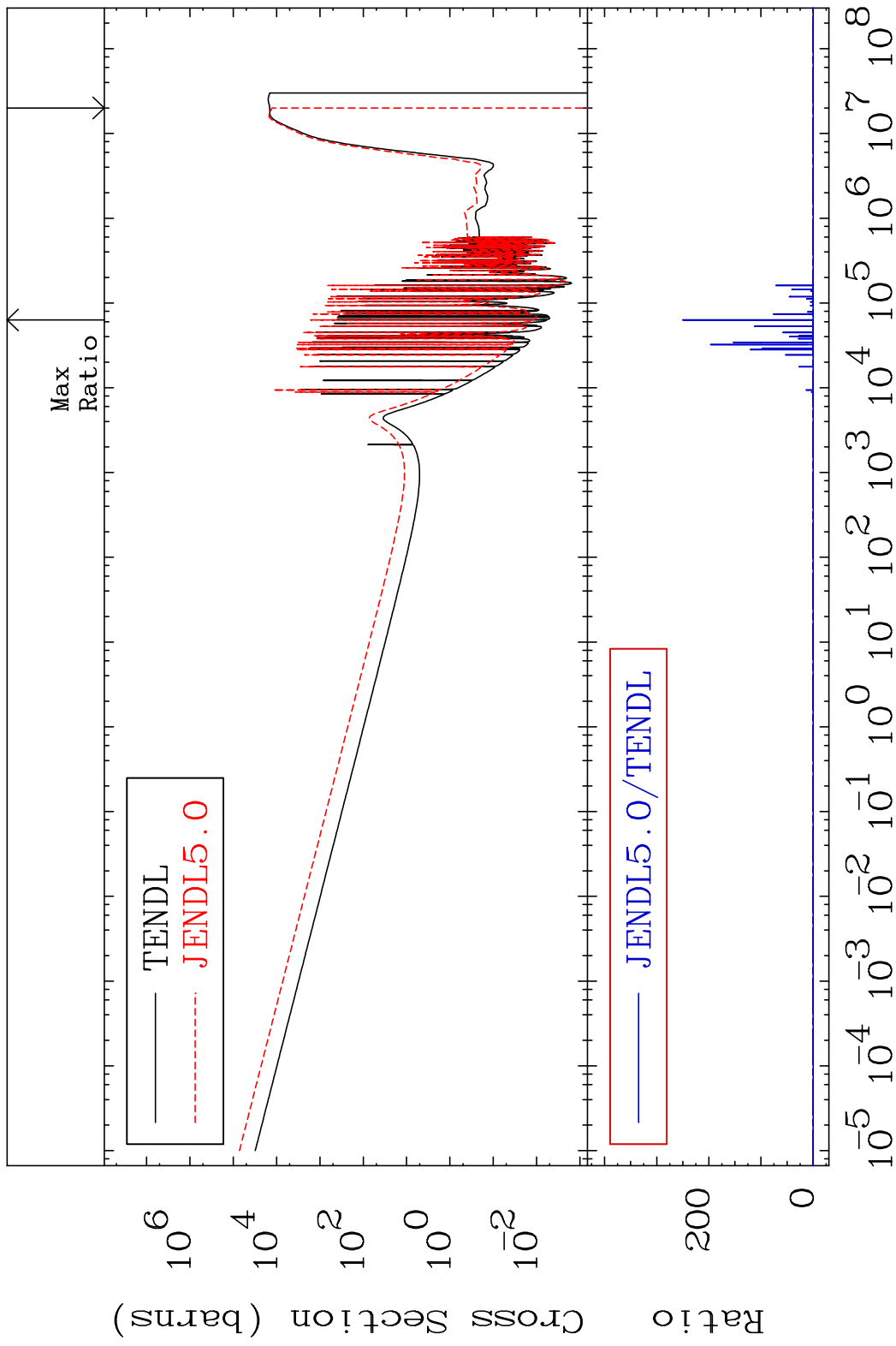
48 Incident Energy (eV) 28-Ni-62

MAT 2837 Dpa inelastic (mt51-91) 28-Ni-62
 Cross Section -100.0 To 9999. %



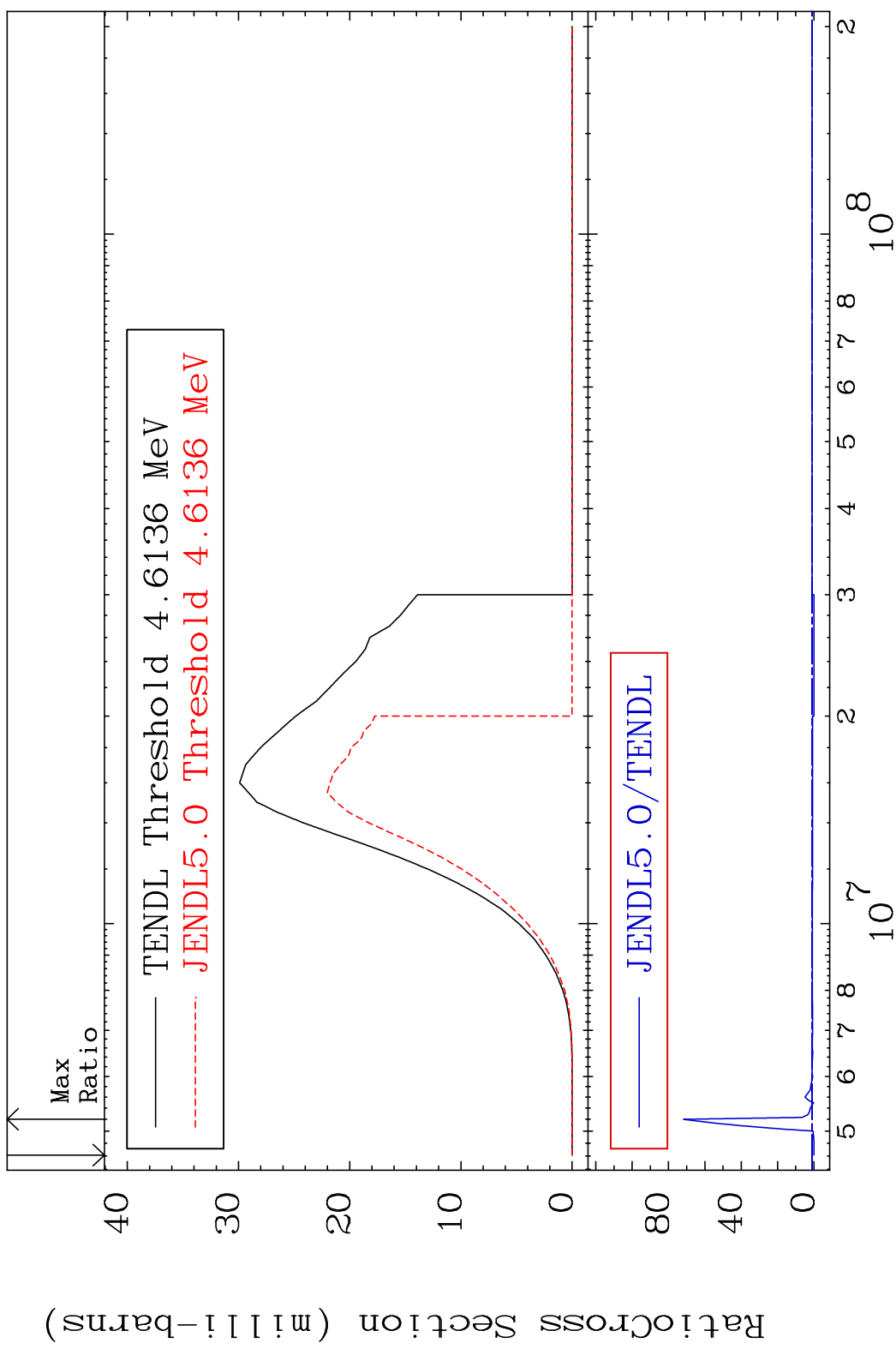
49 Incident Energy (eV) 28-Ni-62

MAT 2837 Dpa disappearance (mt102 -120) 28-Ni-62
Cross Section -100.0 To 9999. %

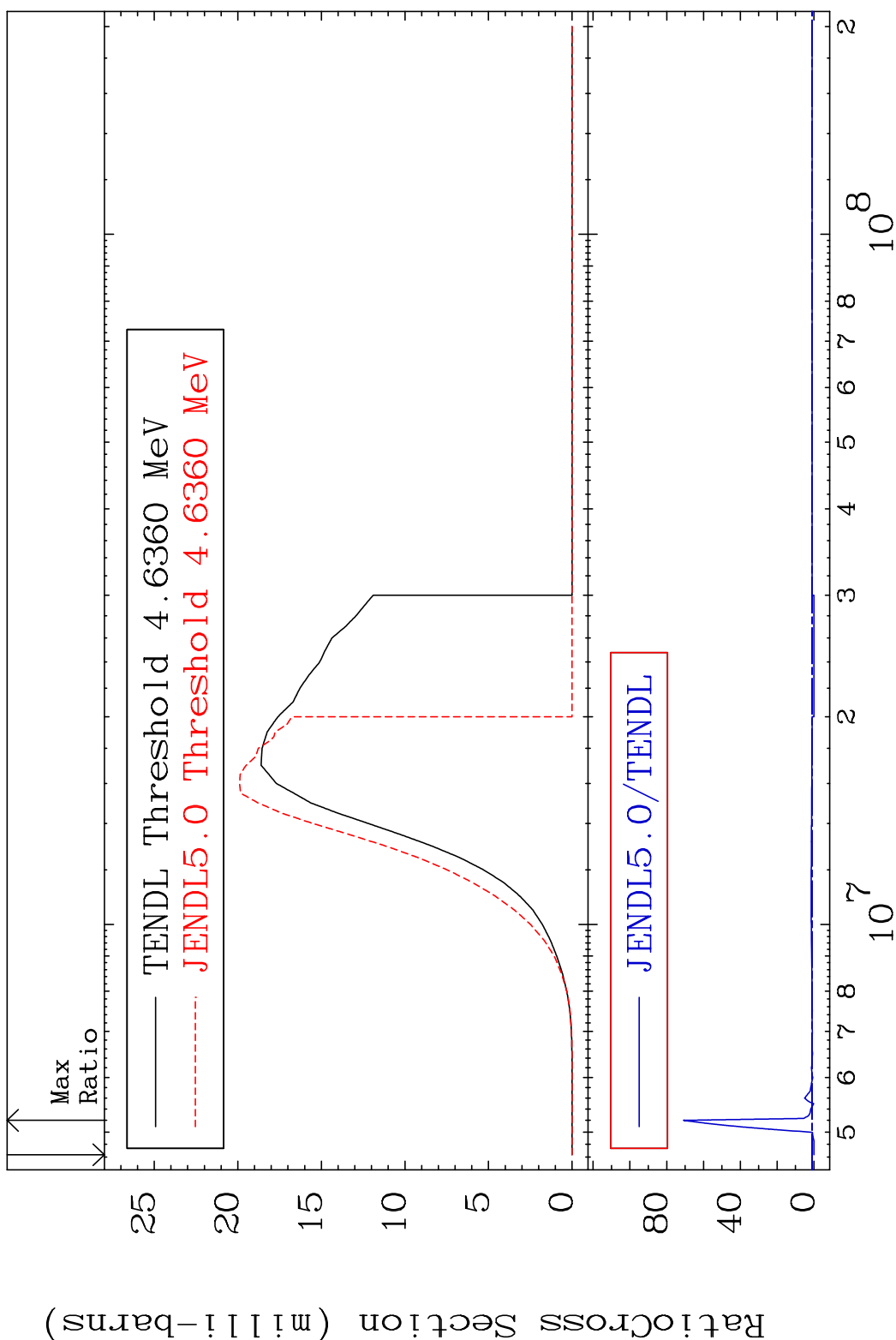


50 Incident Energy (eV) 28-Ni-62

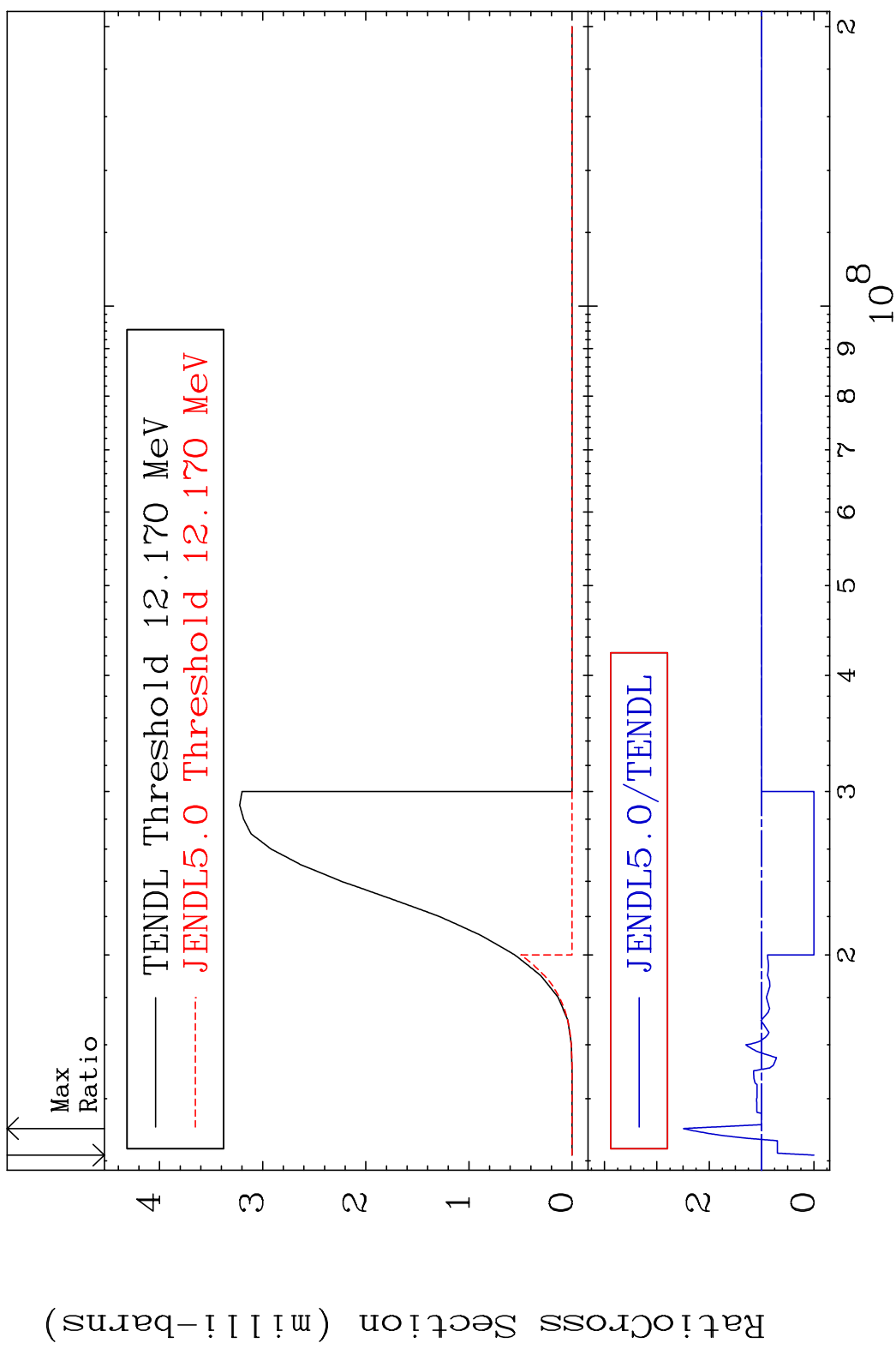
MAT 2837 (n,p):27-Co-62g 28-Ni-62
 Radionuclide Production Cross Section 180000 dth 7078. %



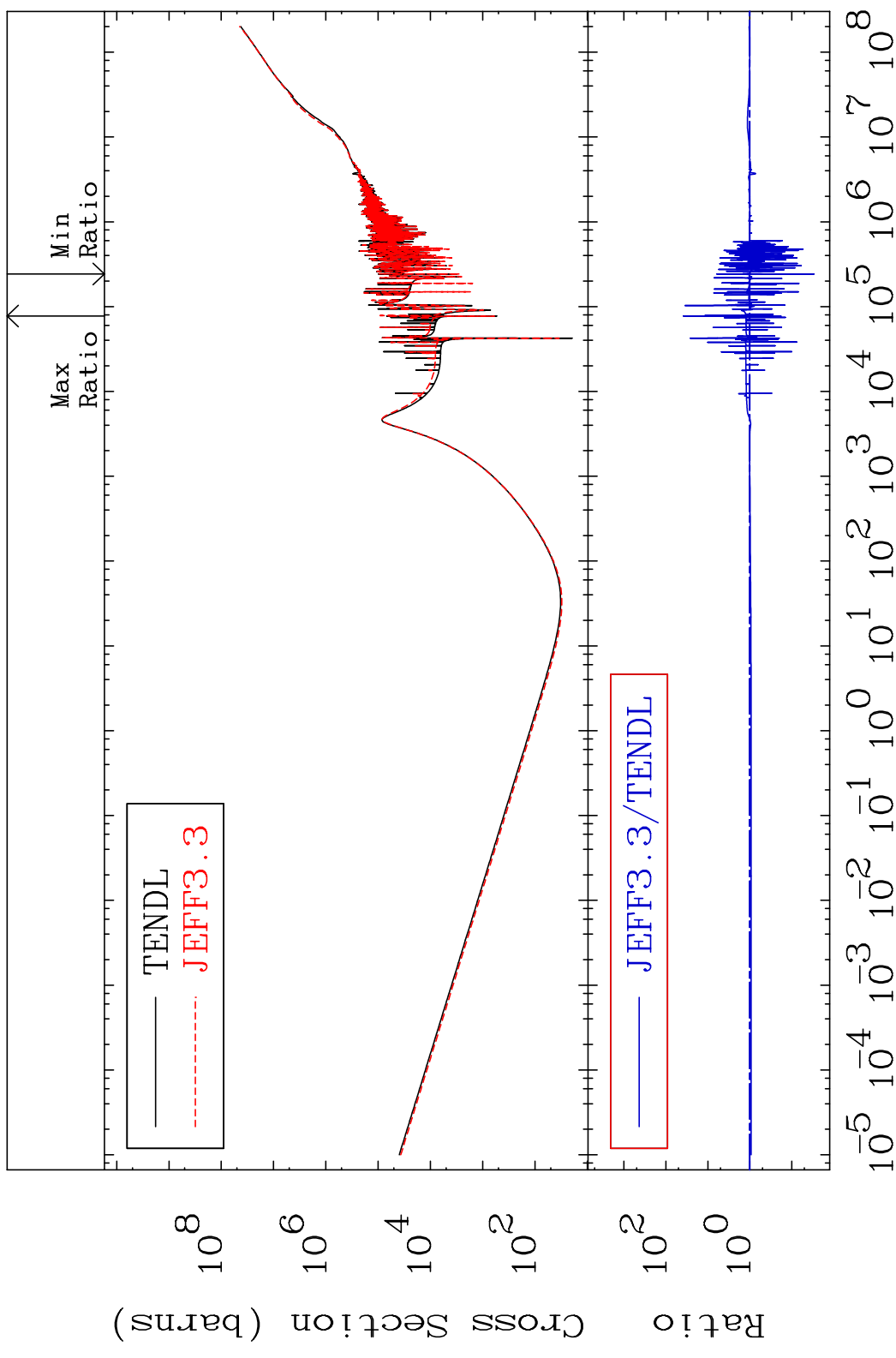
MAT 2837 (n,p):27-Co-62m1 28-Ni-62
 Radionuclide Production Cross Section 180000 dtd 6990. %



MAT 2837 (n, t): 27-Co-60g 28-Ni-62
 Radionuclide Production Cross Section 1800 Ci dth 149.2 %



MAT 2837 Kerma total (eV-barns) 28-Ni-62
 Cross Section -97.03 To 3720. %

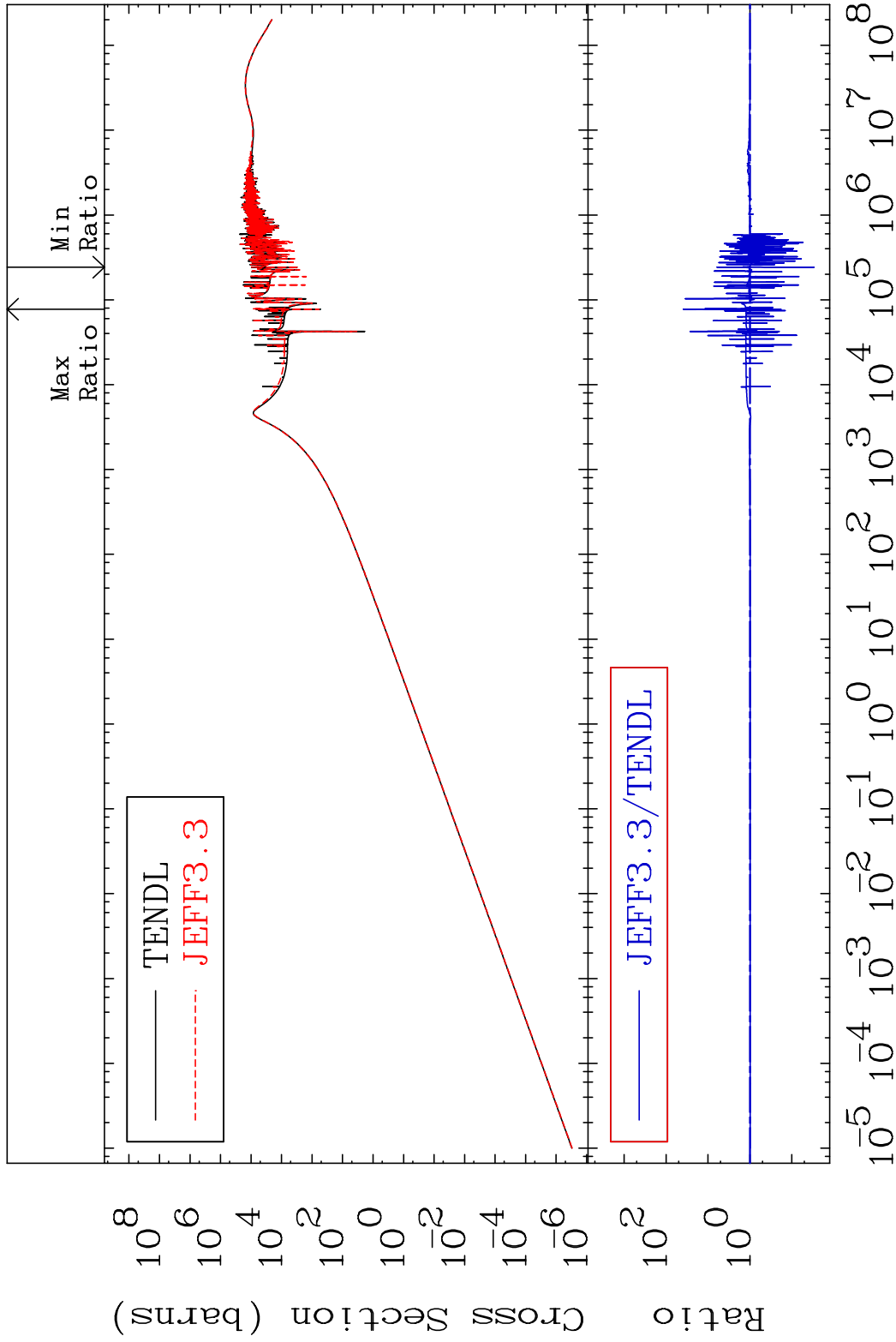


55 Incident Energy (eV) 28-Ni-62

MAT 2837

Kerma elastic
Cross Section

28-Ni-62
-97.03 To 3738. %

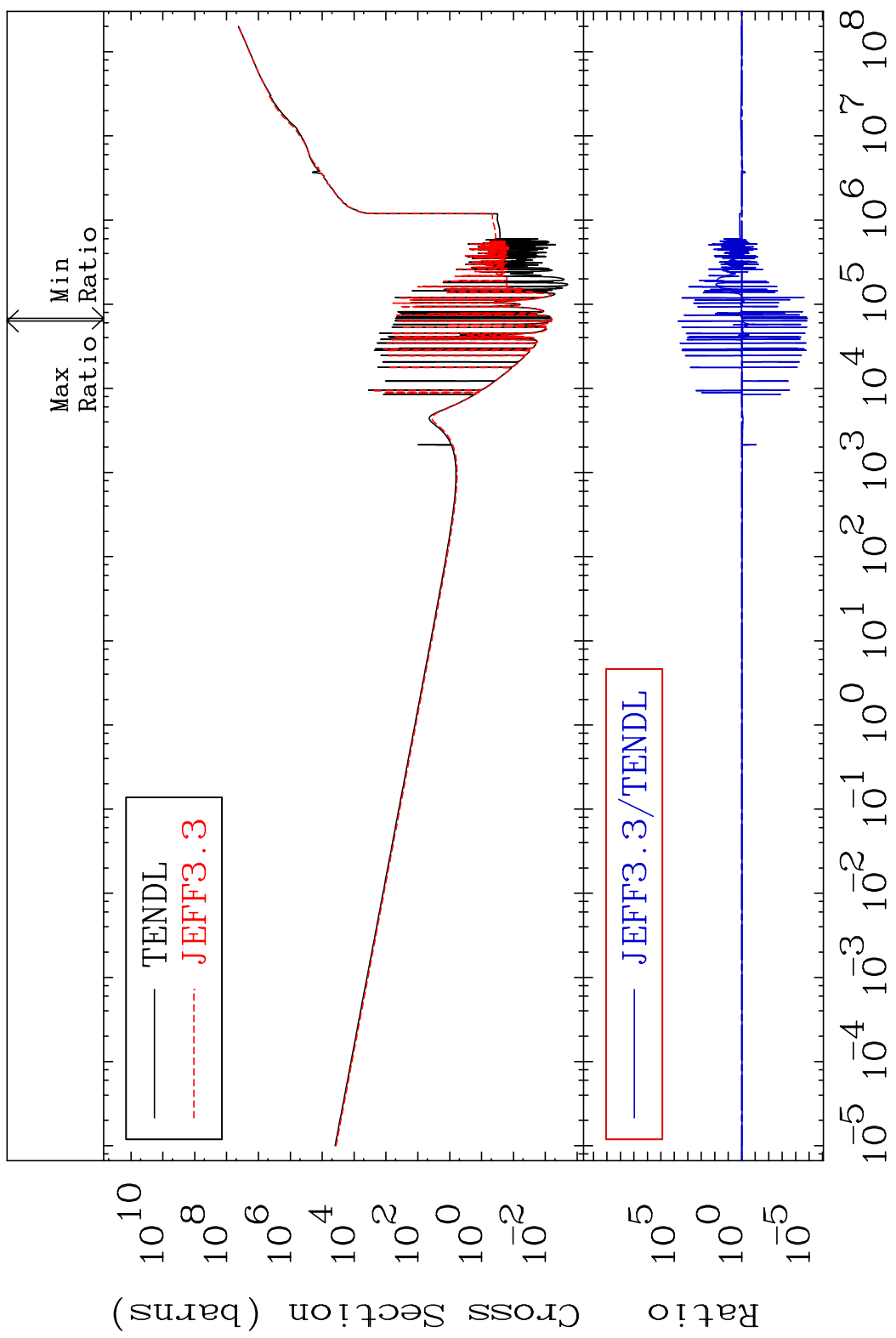


56

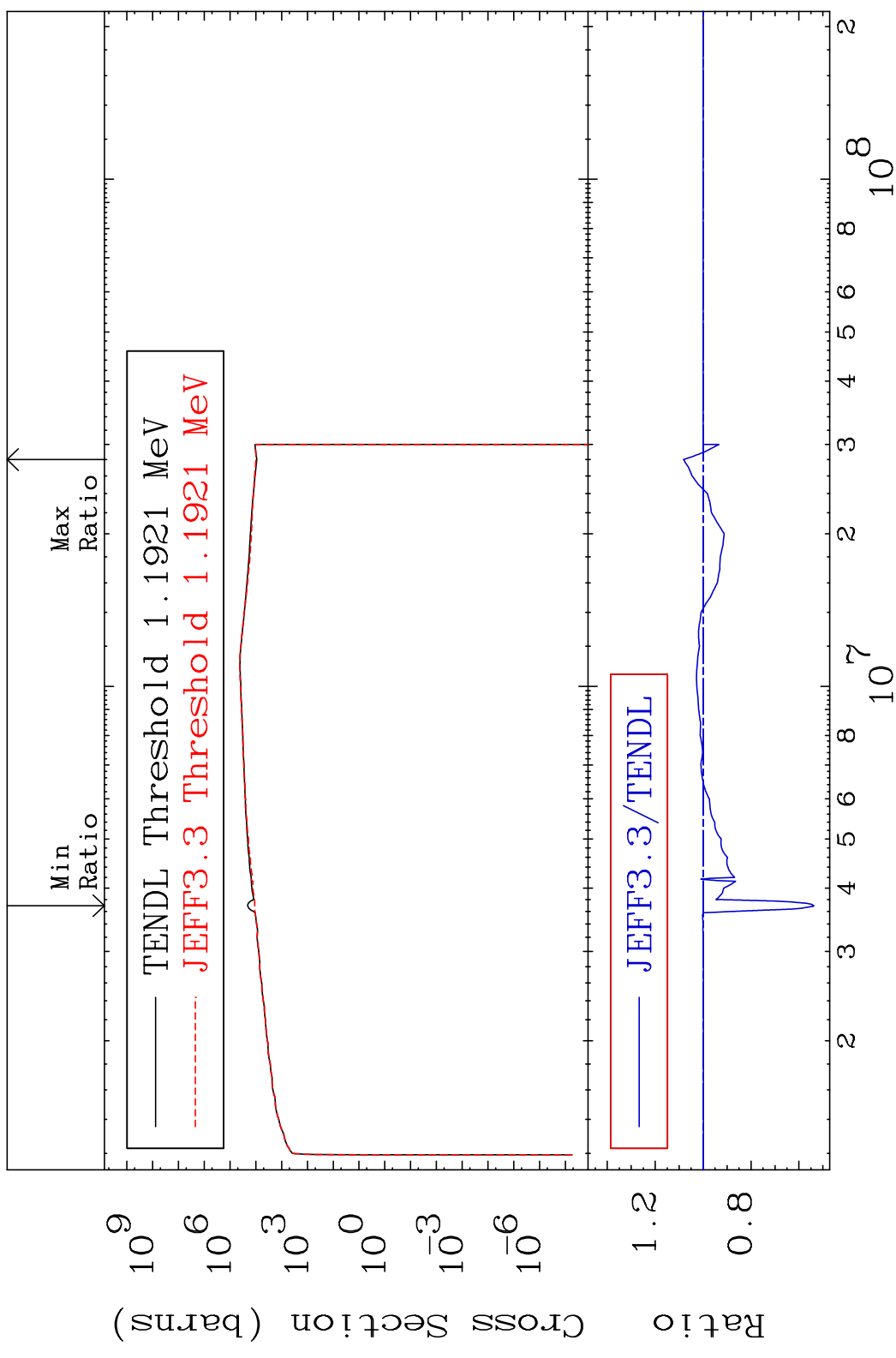
Incident Energy (eV)

28-Ni-62

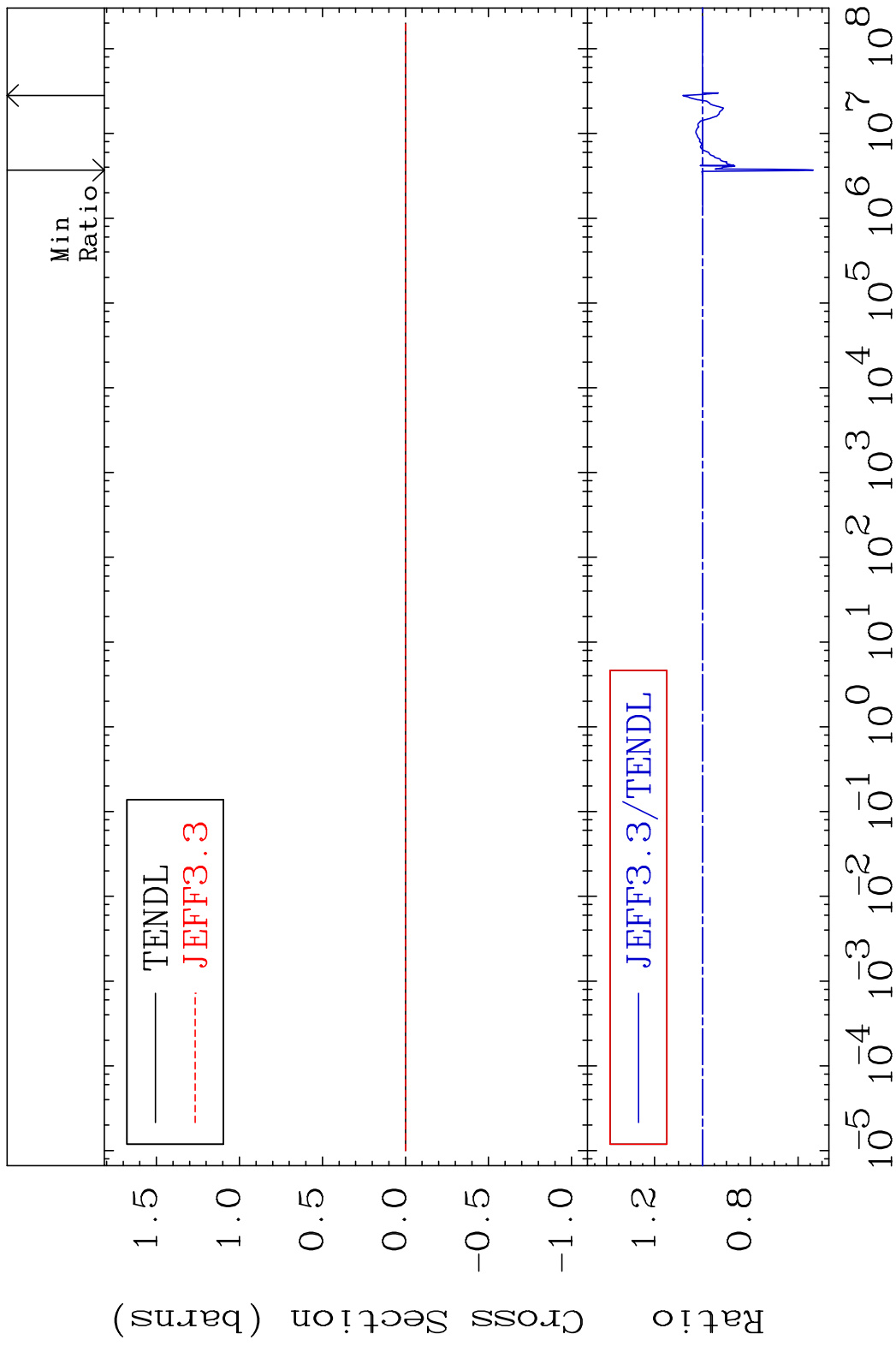
MAT 2837 Kerma non-elastic (all but mt2) 28-Ni-62
 Cross Section -100.0 To 9999. %



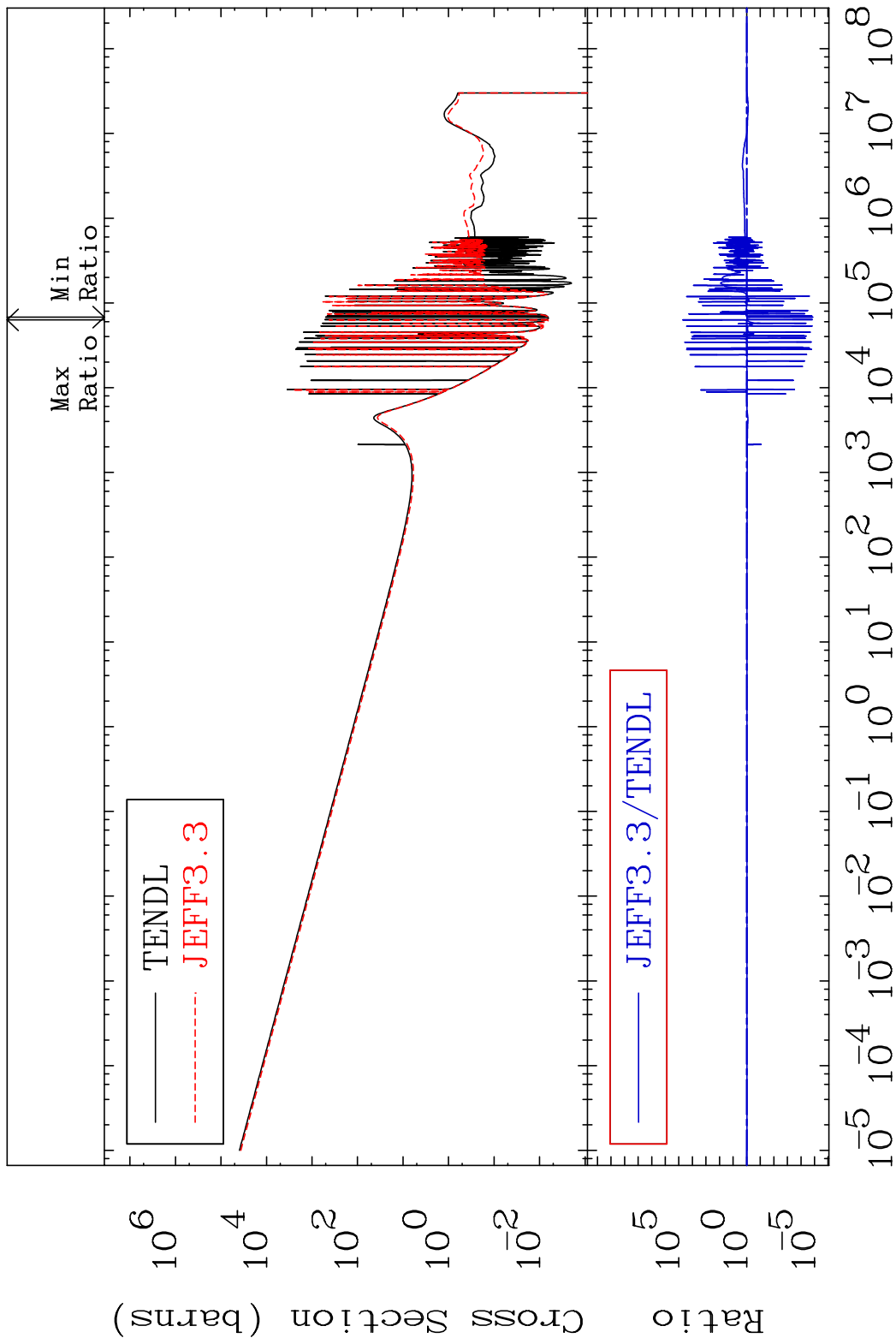
57 Incident Energy (eV) 28-Ni-62



MAT 2837 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-62
 Cross Section -46.23 To 8.208 %

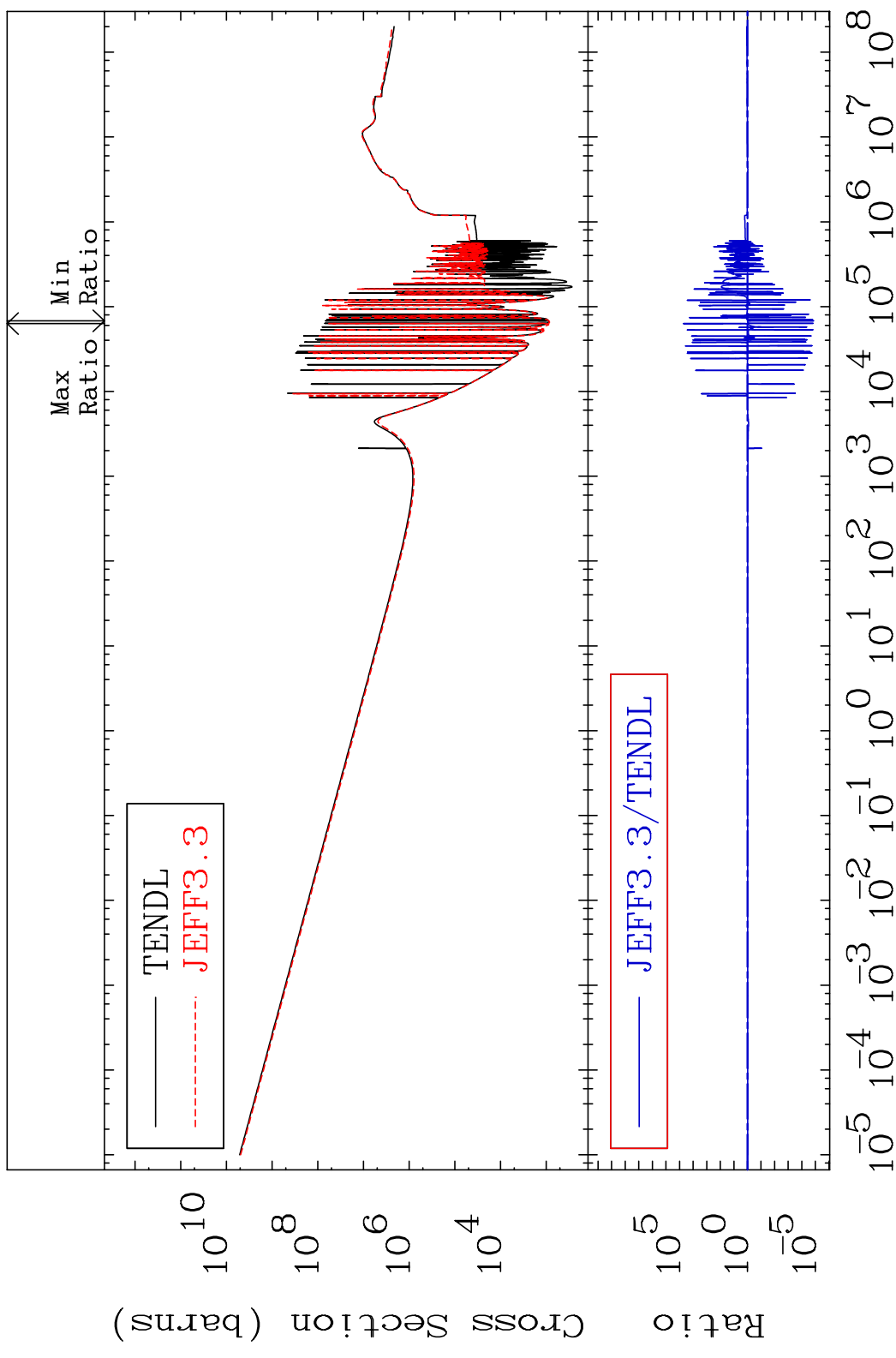


MAT 2837 Kerma capture (mt102) 28-Ni-62
 Cross Section -100.0 To 9999. %



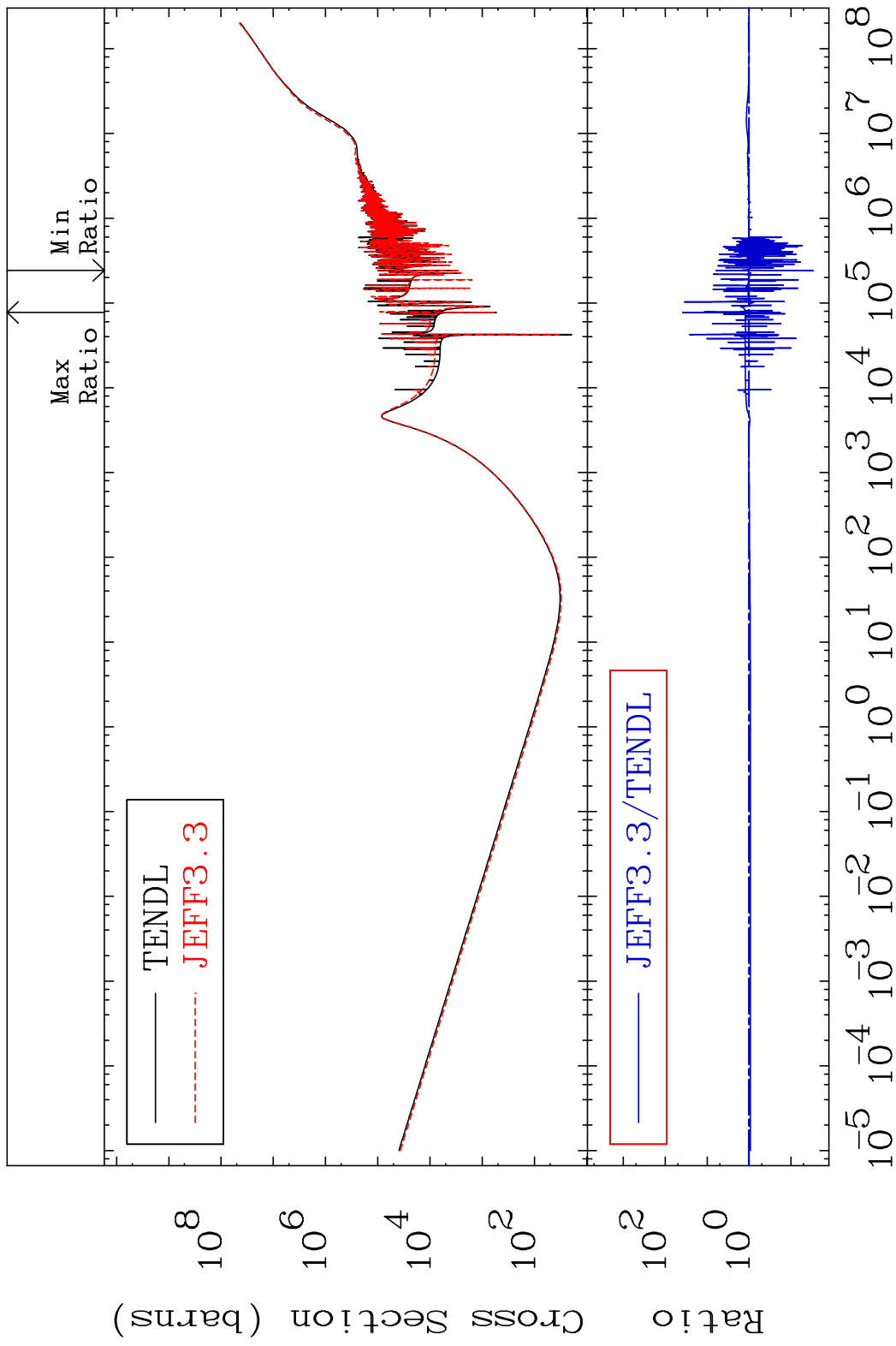
60 Incident Energy (eV) 28-Ni-62

MAT 2837 Total photon (eV-barns) 28-Ni-62
 Cross Section -100.0 To 9999. %



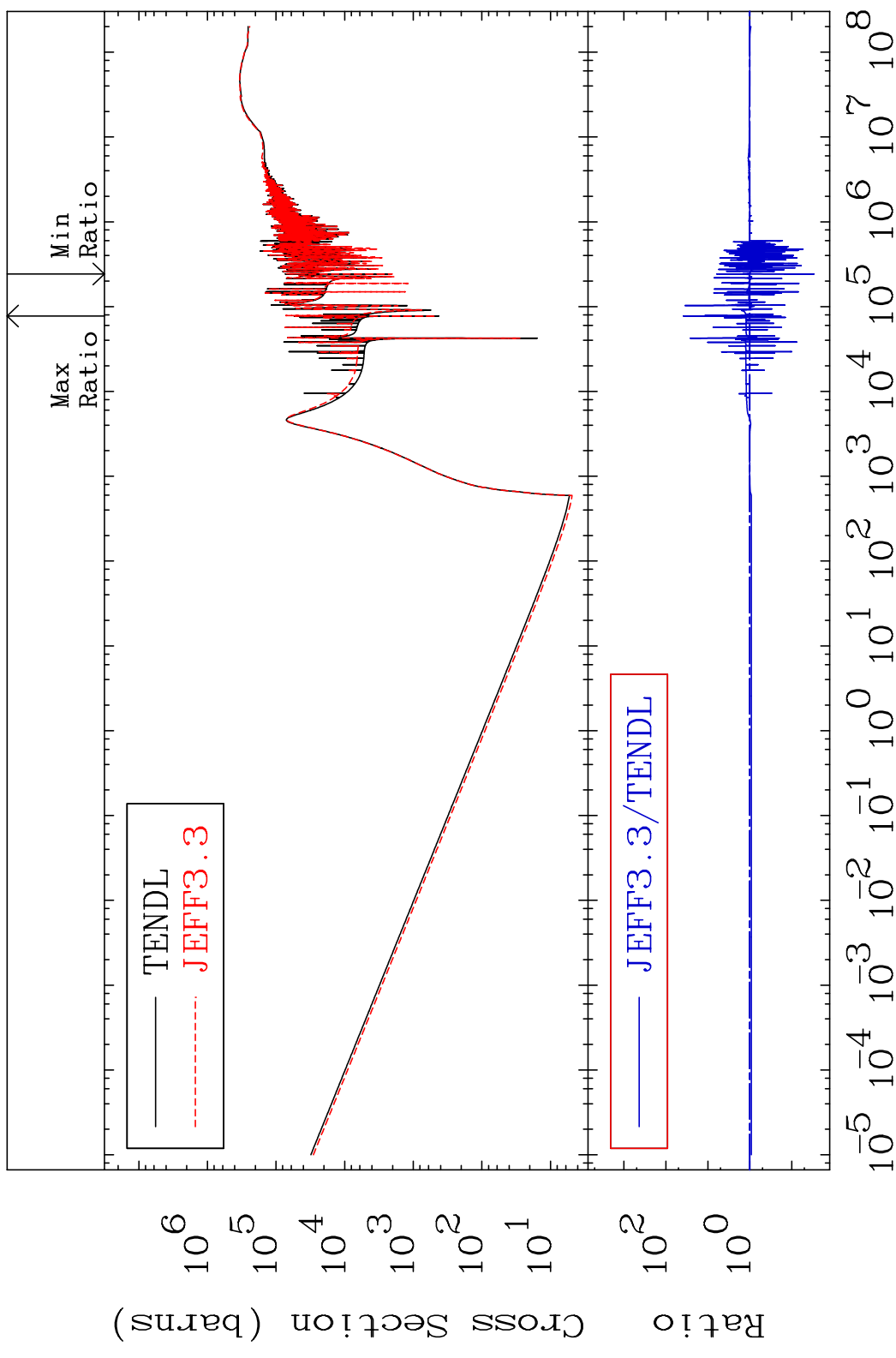
61 Incident Energy (eV) 28-Ni-62

MAT 2837 Total kinematic kerma (high limit) 28-Ni-62
 Cross Section -97.03 To 3720. %



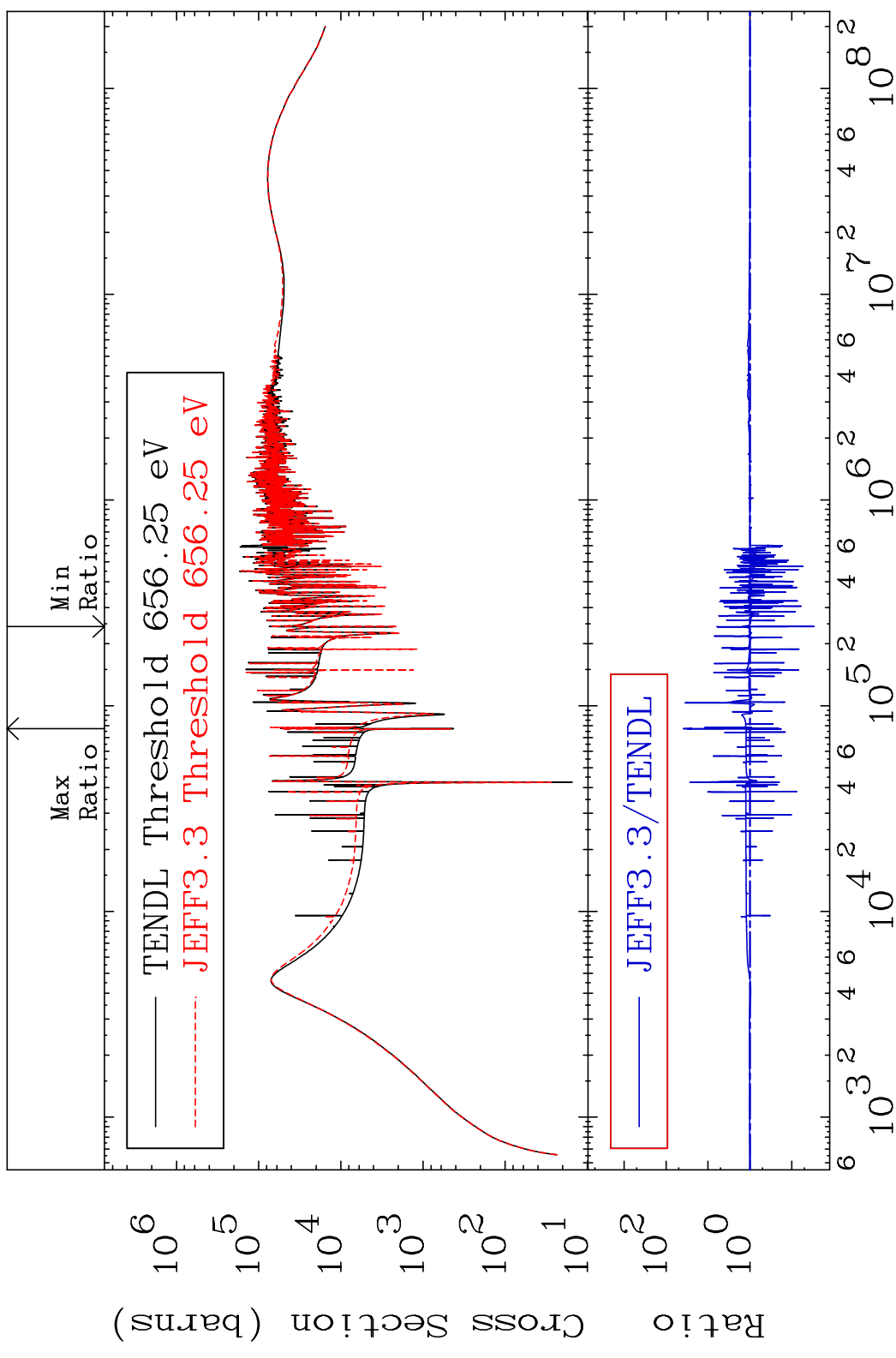
62 Incident Energy (eV) 28-Ni-62

MAT 2837 Dpa total (eV-barns) 28-Ni-62
 Cross Section -97.03 To 3720. %



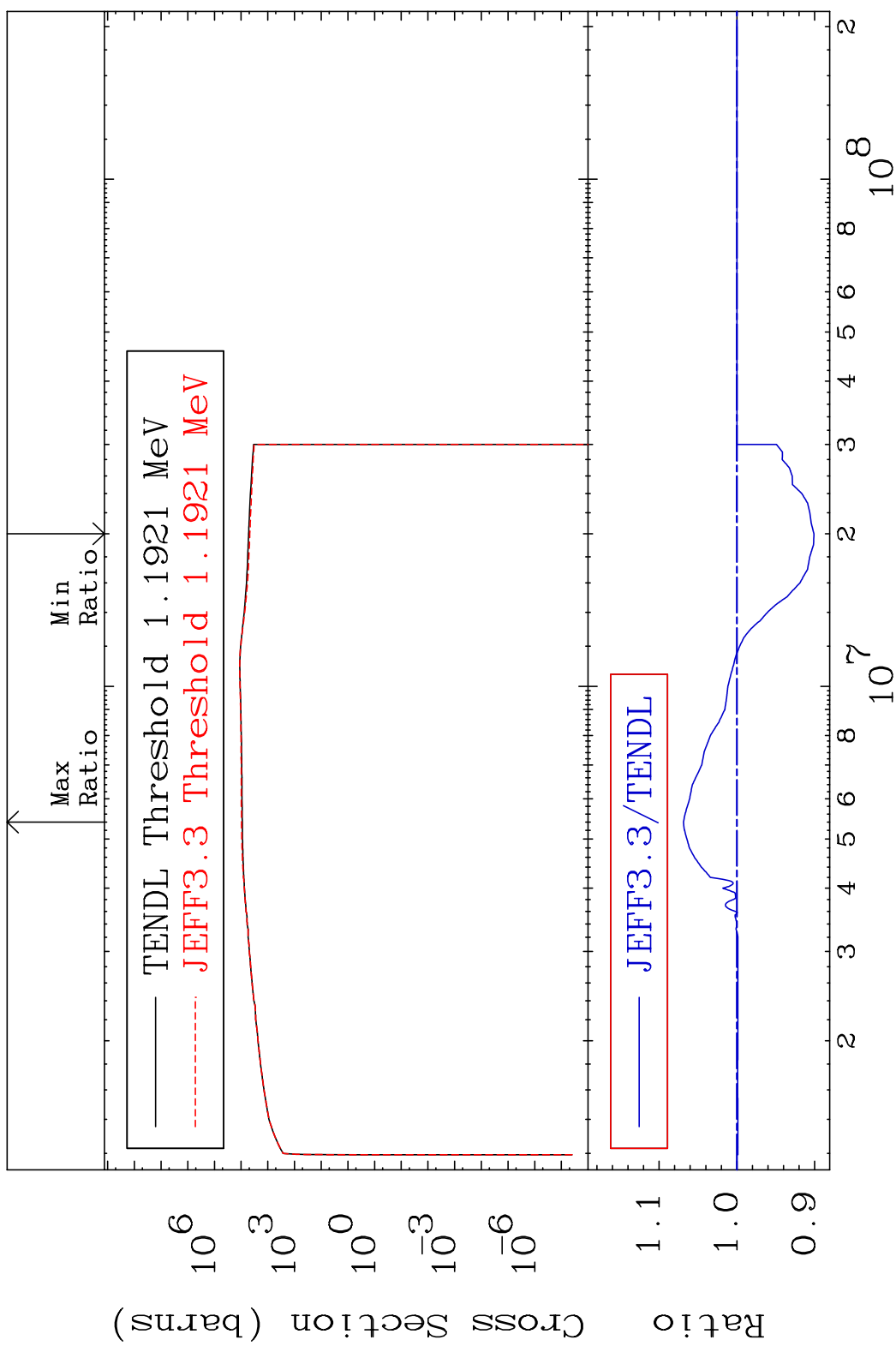
63 Incident Energy (eV) 28-Ni-62

MAT 2837 Dpa elastic (mt2) 28-Ni-62
 Cross Section -97.03 To 3738. %



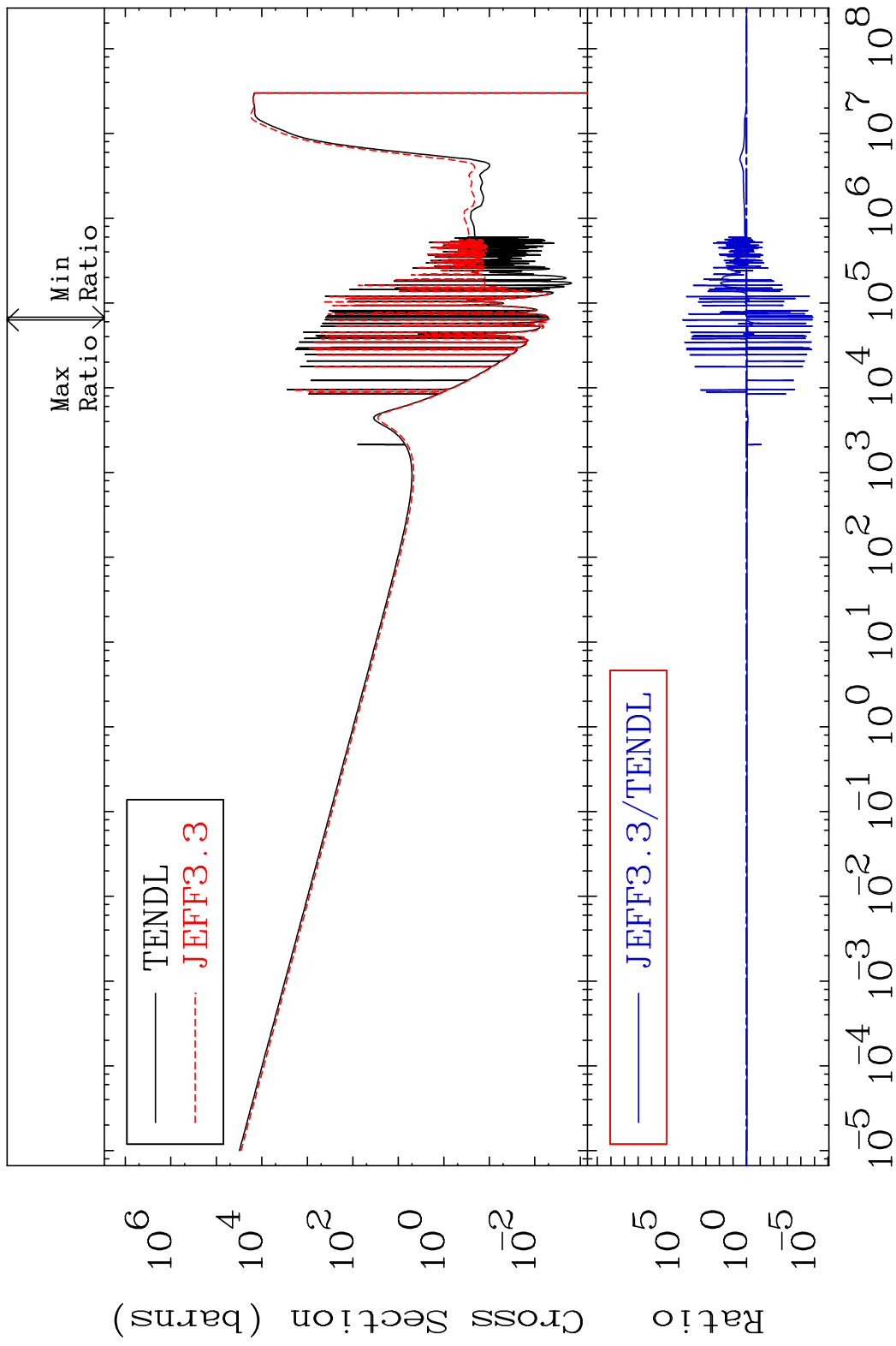
64 Incident Energy (eV) 28-Ni-62

MAT 2837 Dpa inelastic (mt51-91) 28-Ni-62
 Cross Section -9.891 To 6.870 %



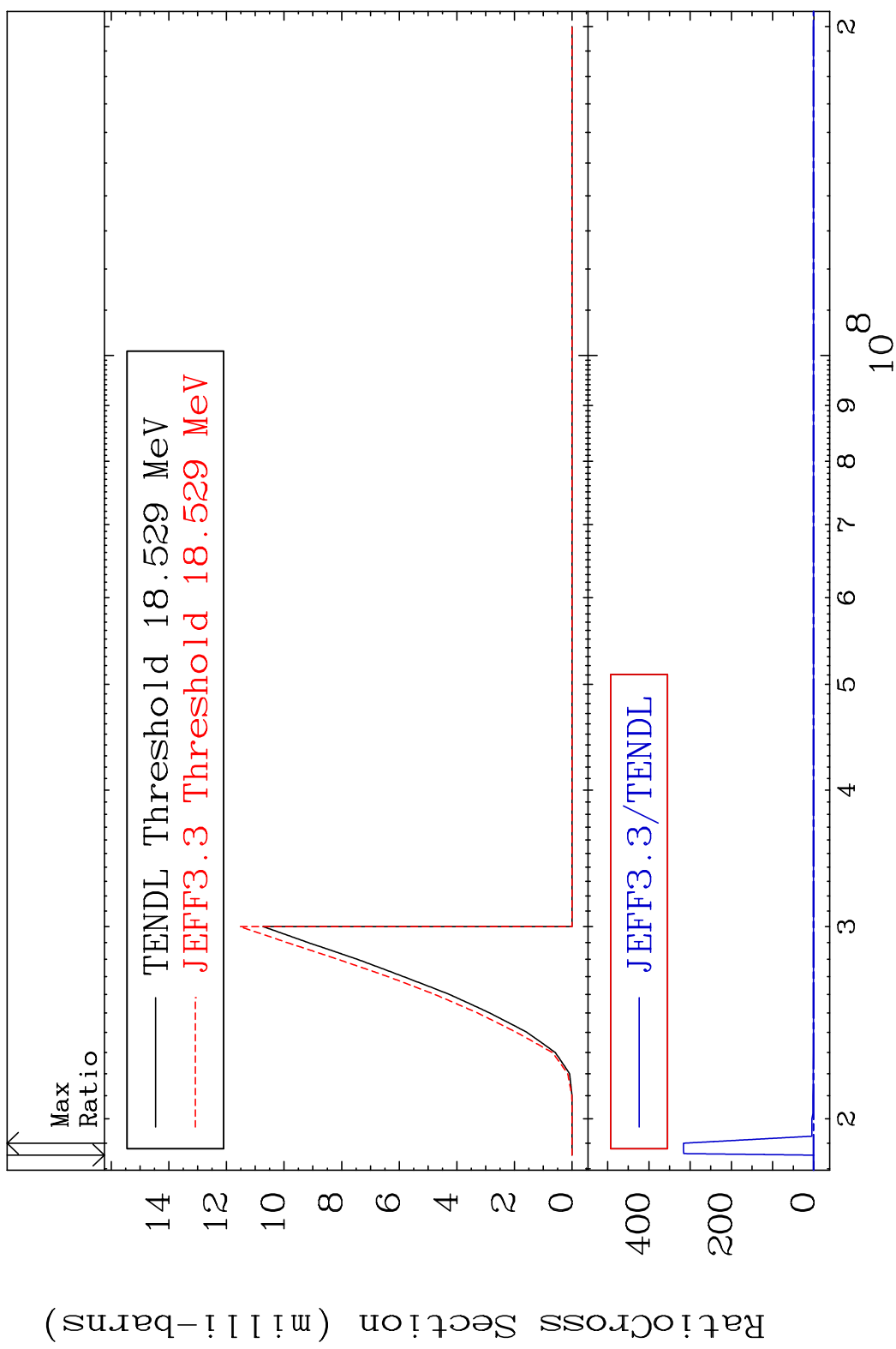
65 Incident Energy (eV) 28-Ni-62

MAT 2837 Dpa disappearance (mt102 -120) 28-Ni-62
 Cross Section -100.0 To 9999. %

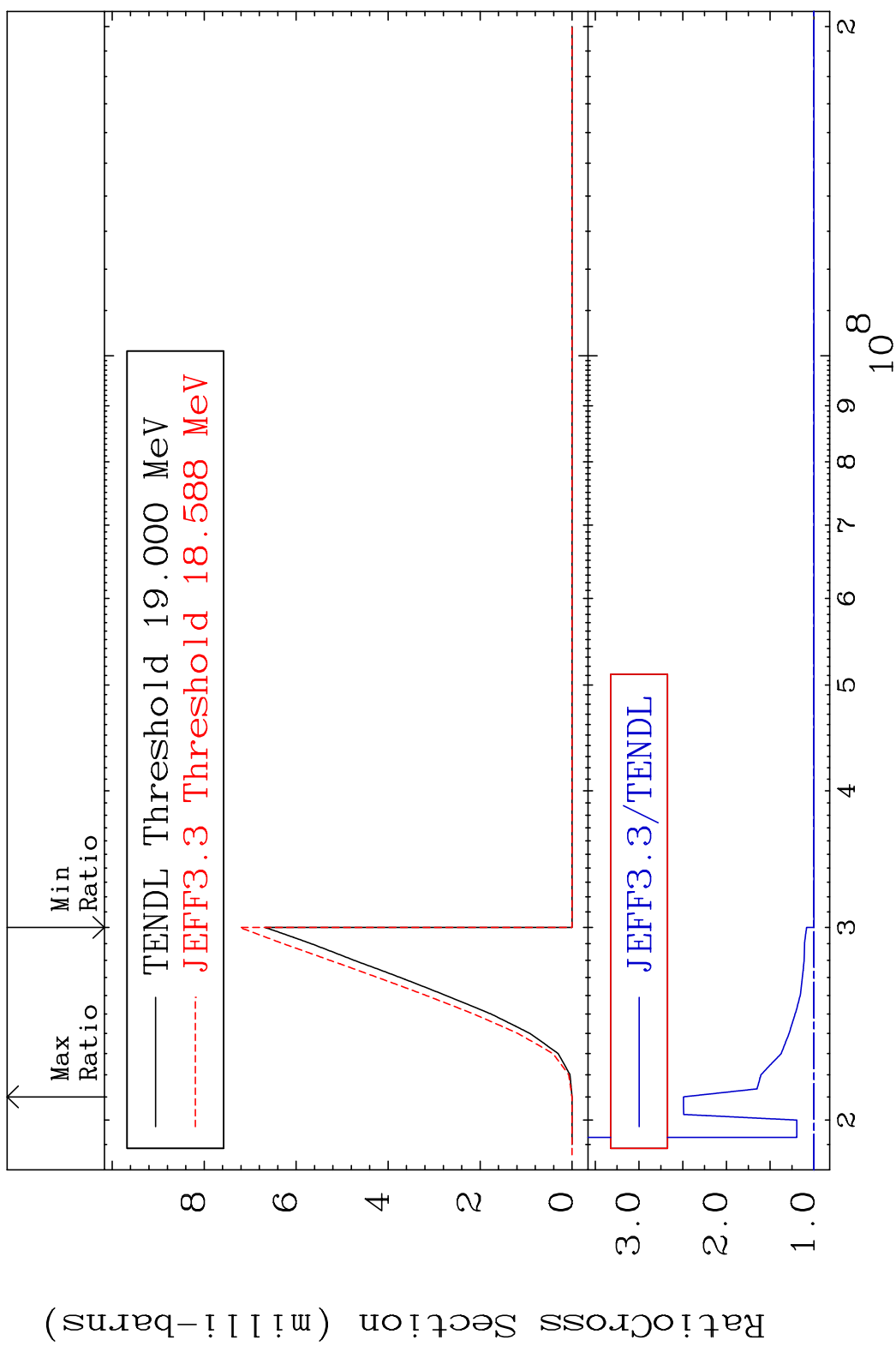


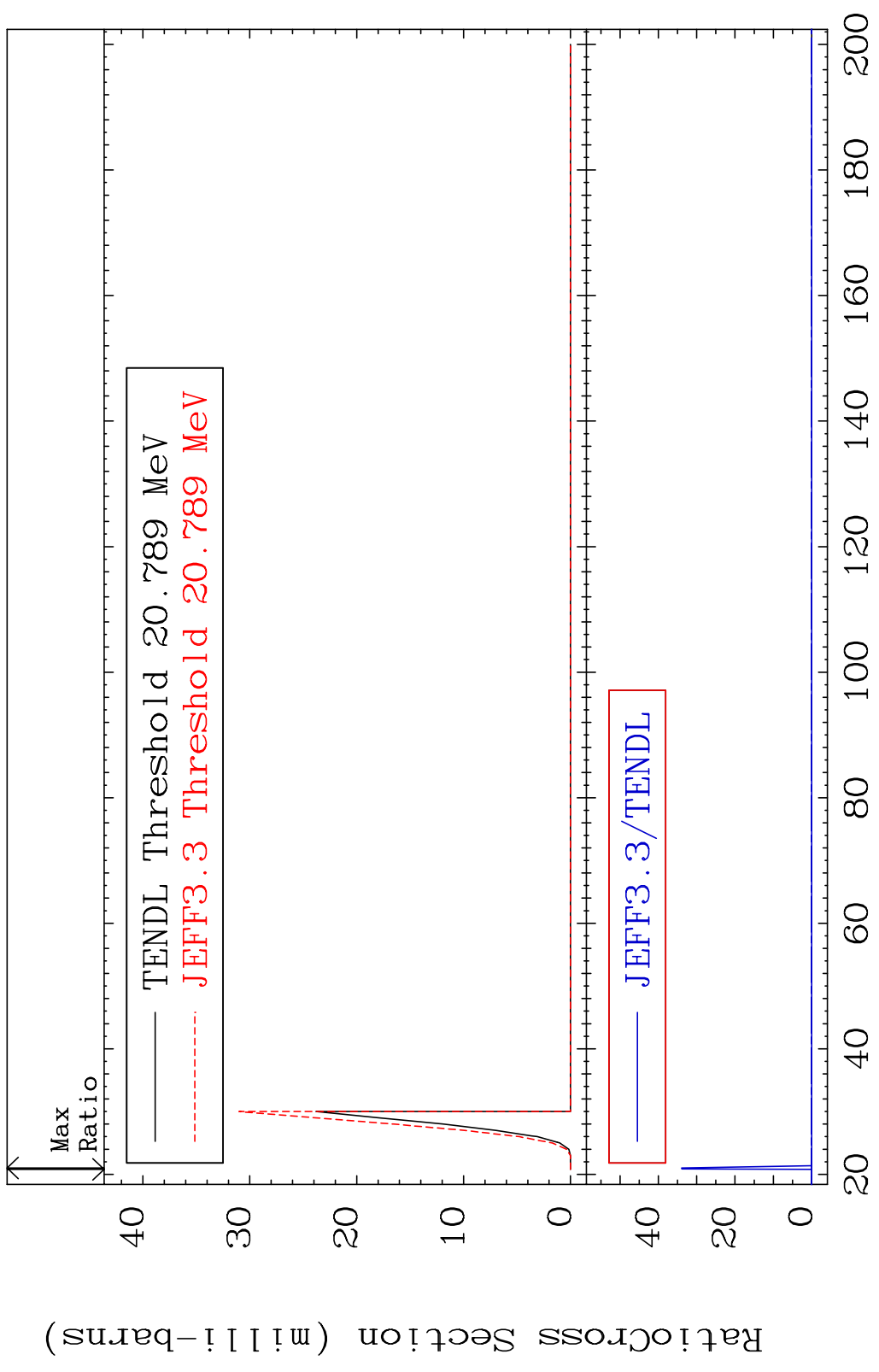
66 Incident Energy (eV) 28-Ni-62

MAT 2837 (n, n') d:27-Co-60g 28-Ni-62
 Radionuclide Production Cross Section 180000 dtd 9999. %

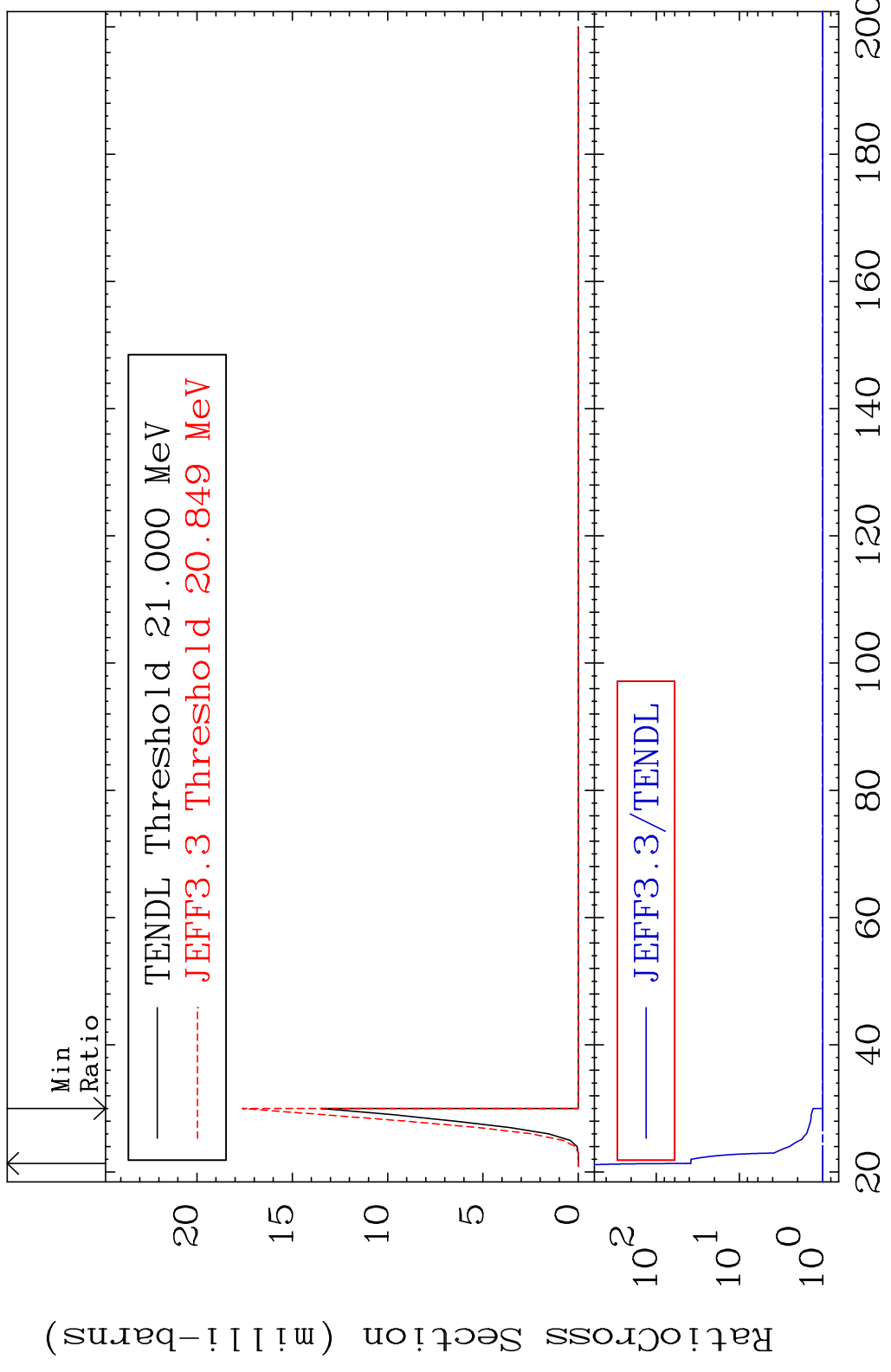


67 Incident Energy (eV) 28-Ni-62



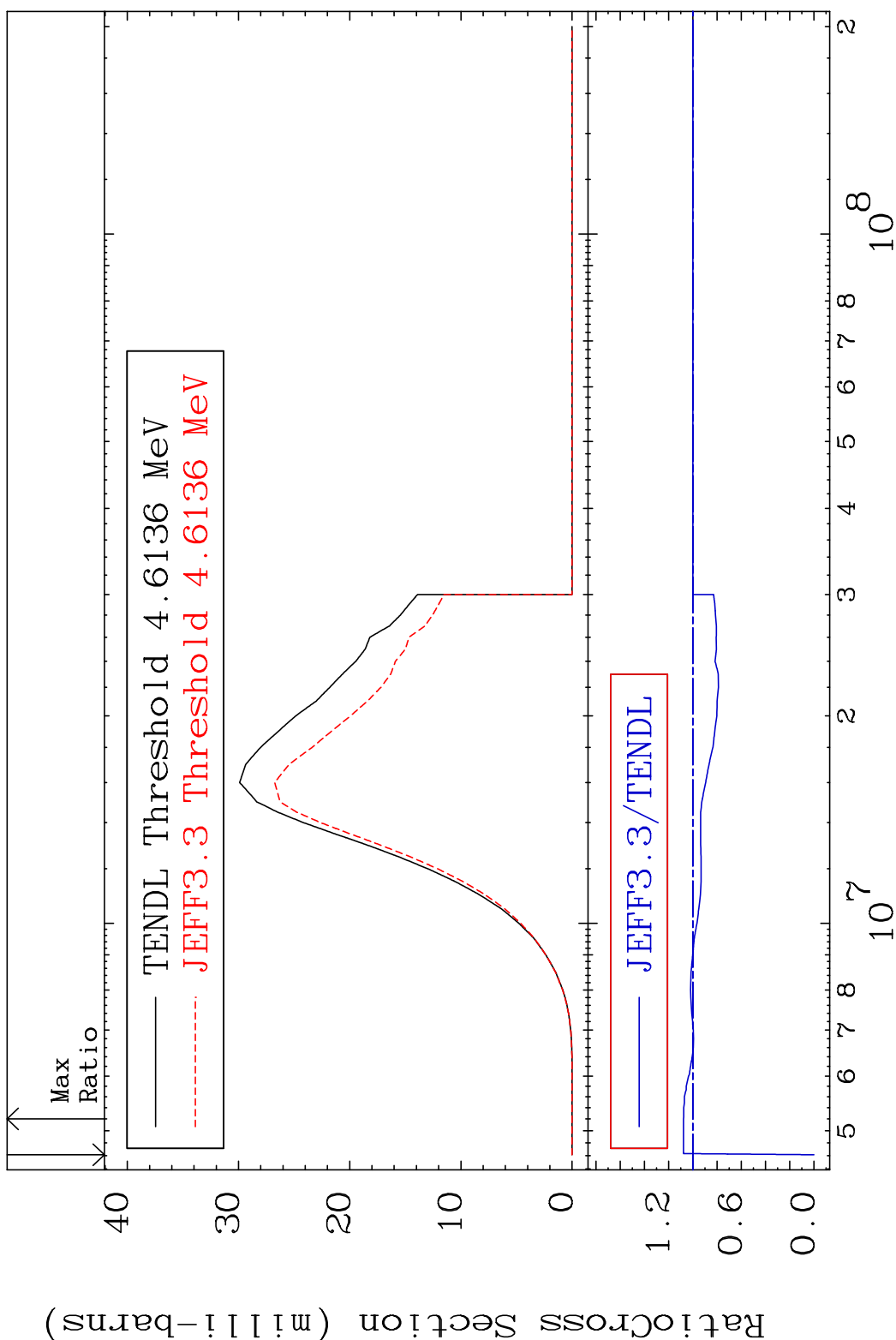


MAT 2837 (n,2n) p:27-Co-60m1 28-Ni-62
 Radionuclide Production Cross Section 3734. %

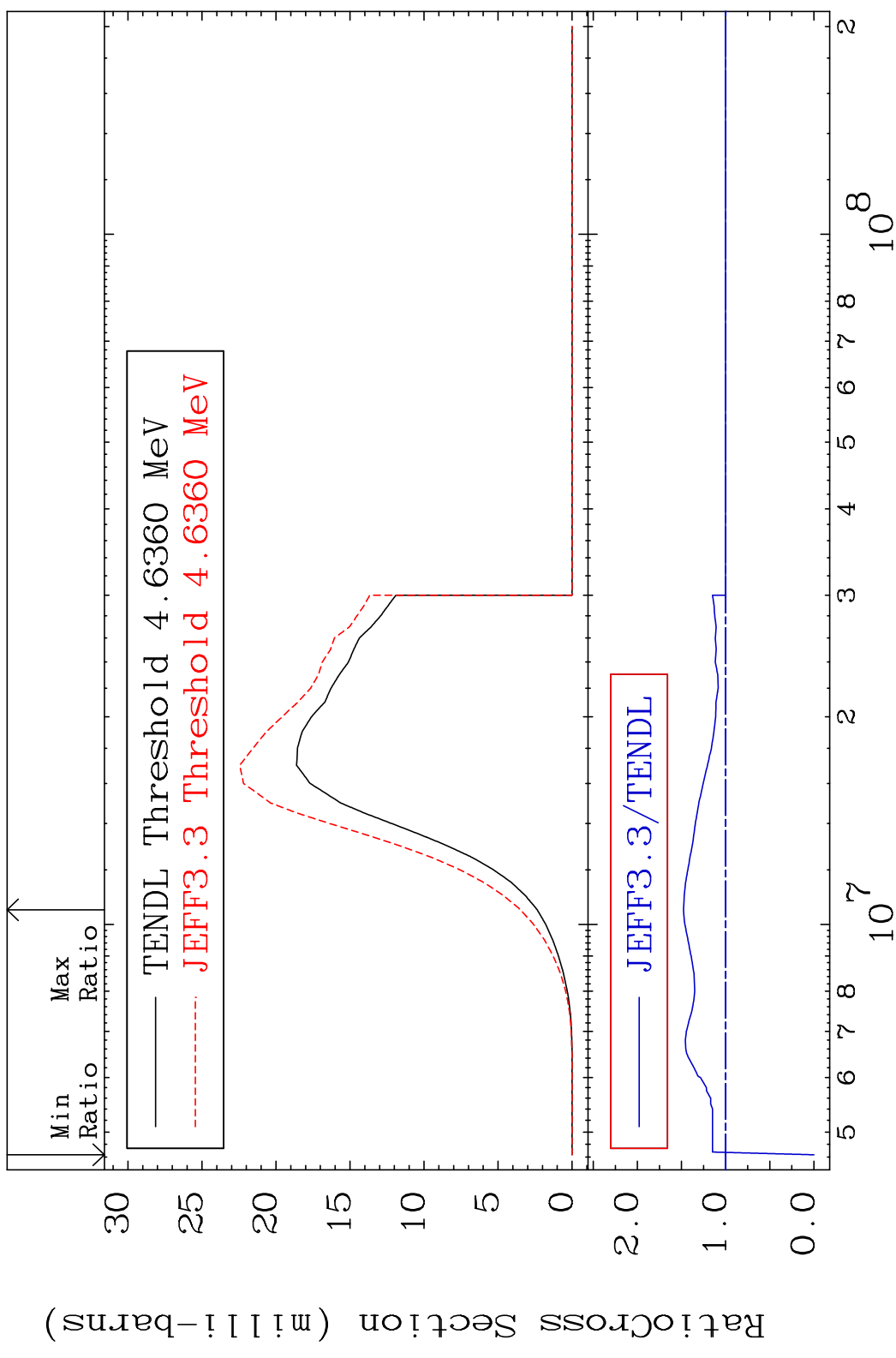


70 Incident Energy (MeV) 28-Ni-62

MAT 2837 (n,p):27-Co-62g 28-Ni-62
 Radionuclide Production Cross Section 180000 dth 7.790 %

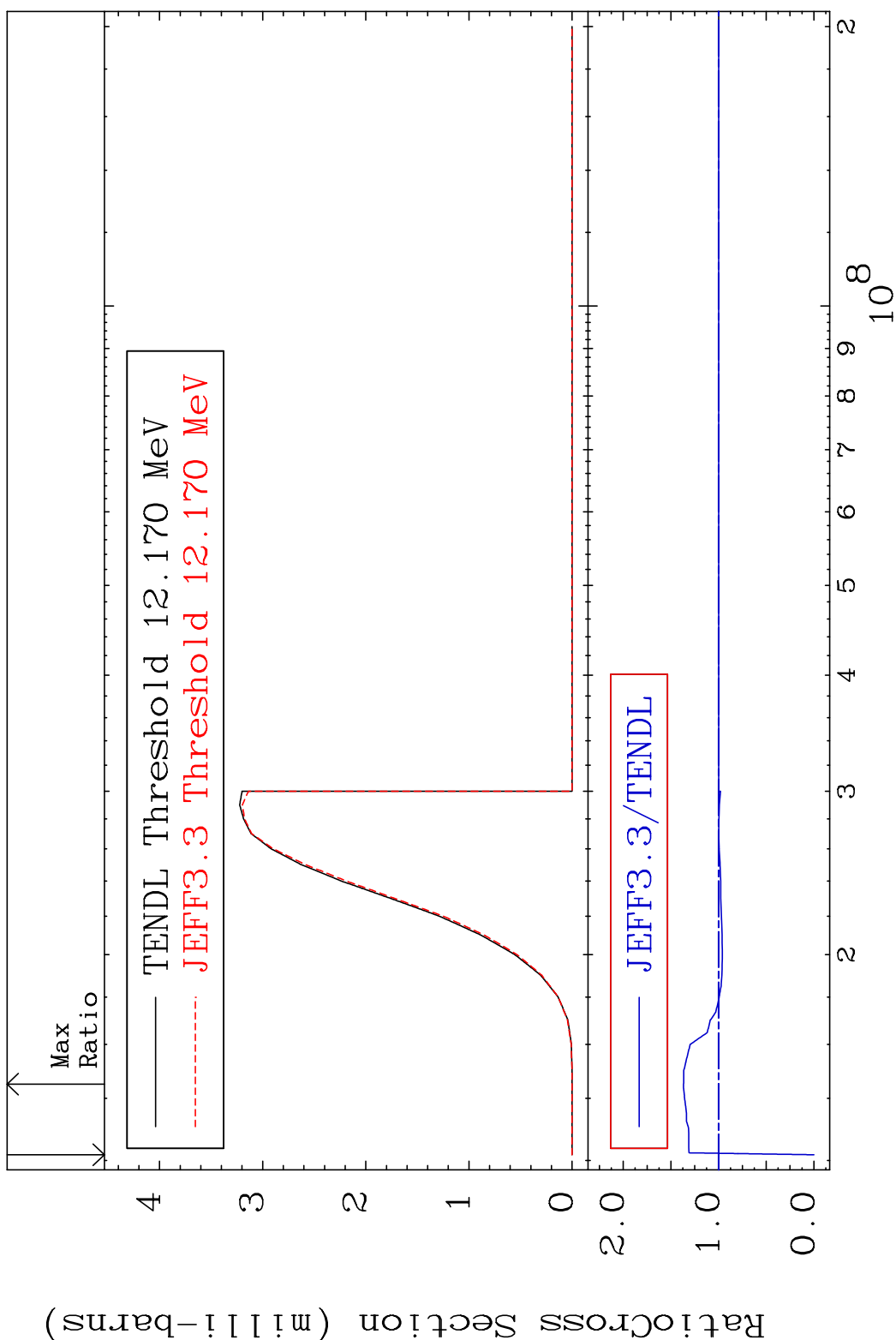


MAT 2837 (n,p):27-Co-62m1 28-Ni-62
 Radionuclide Production Cross Section 47.79 %

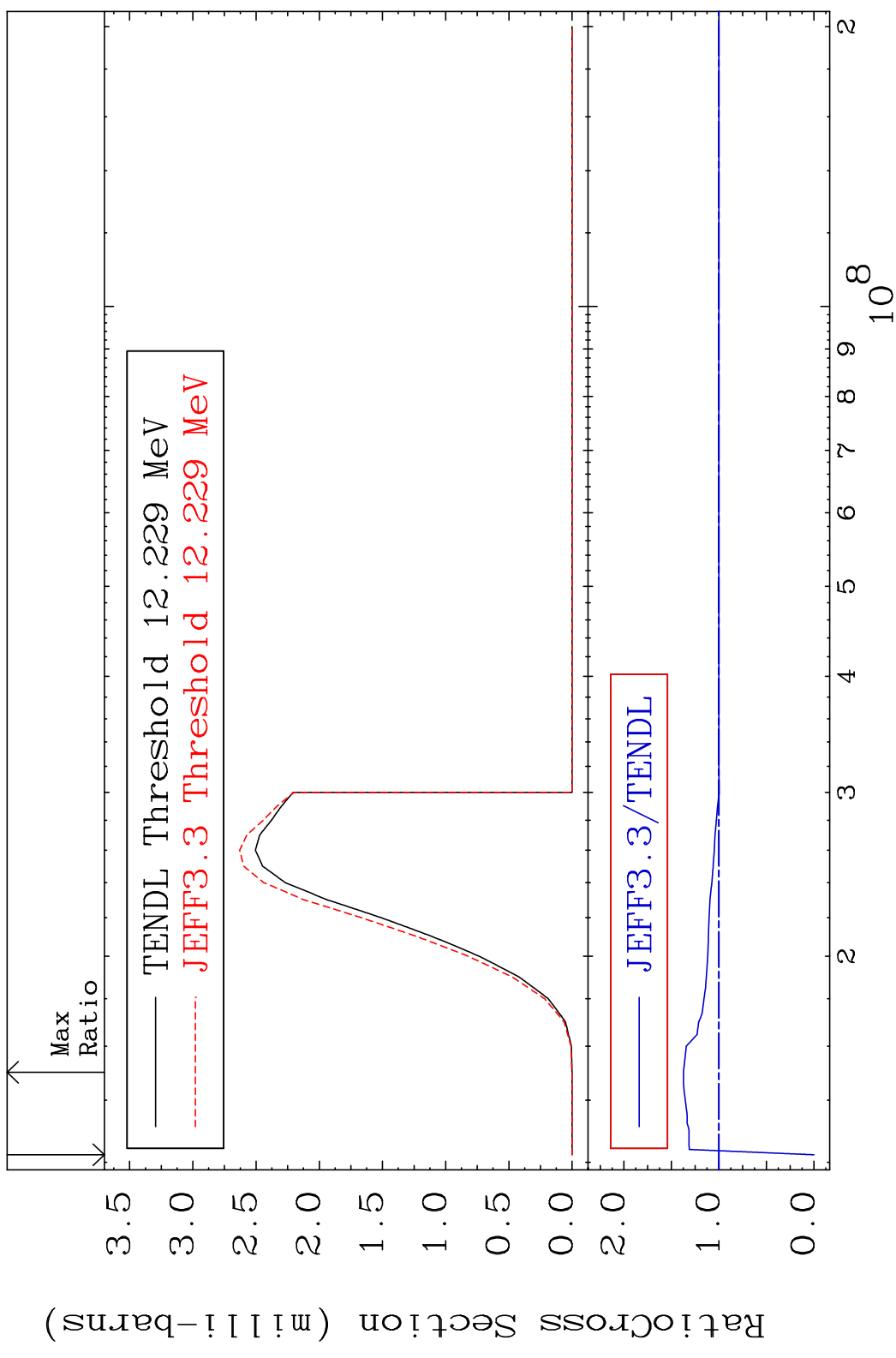


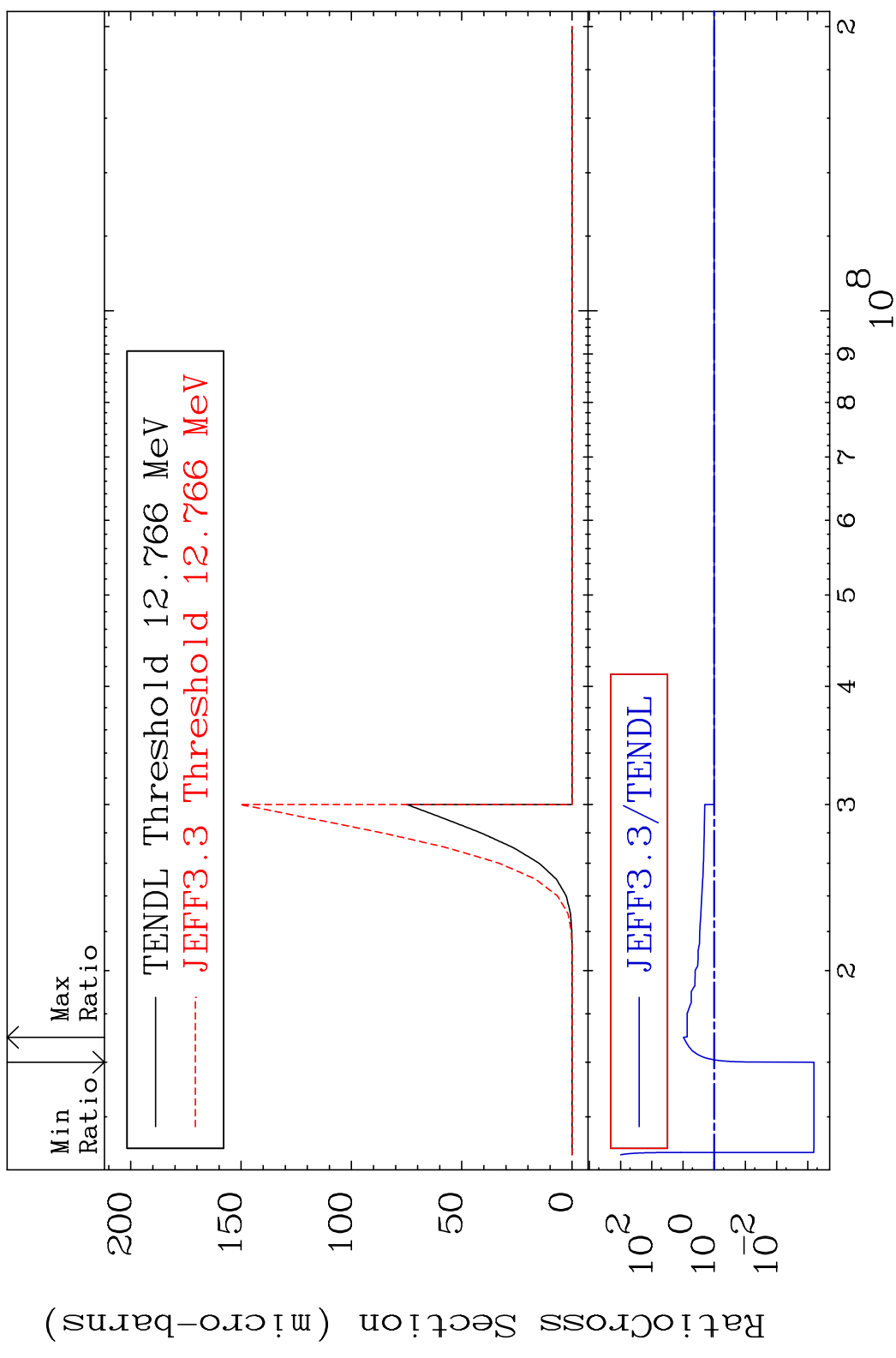
72 28-Ni-62

MAT 2837 (n, t): 27-Co-60g 28-Ni-62
 Radionuclide Production Cross Section 36.84 %

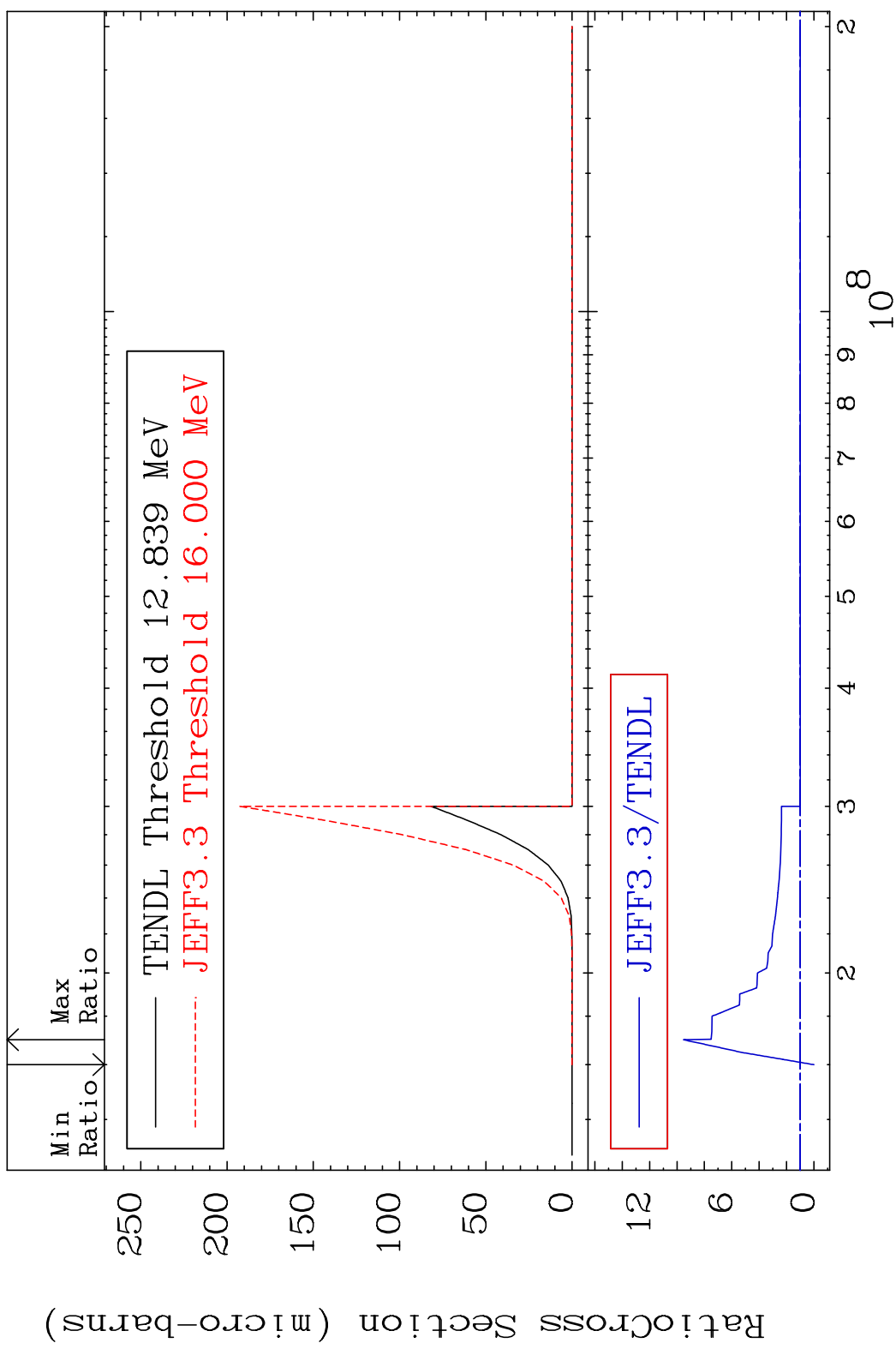


MAT 2837 (n,t):27-Co-60m1 28-Ni-62
 Radionuclide Production Cross Section 18000000 37.36 %





MAT 2837 (n, p) α :25-Mn-58m1 28-Ni-62
 Radionuclide Production Cross Section 180000 dpo 852.9 %



76 Incident Energy (eV) 28-Ni-62