

Program Complot
(Version 2021-1)

by

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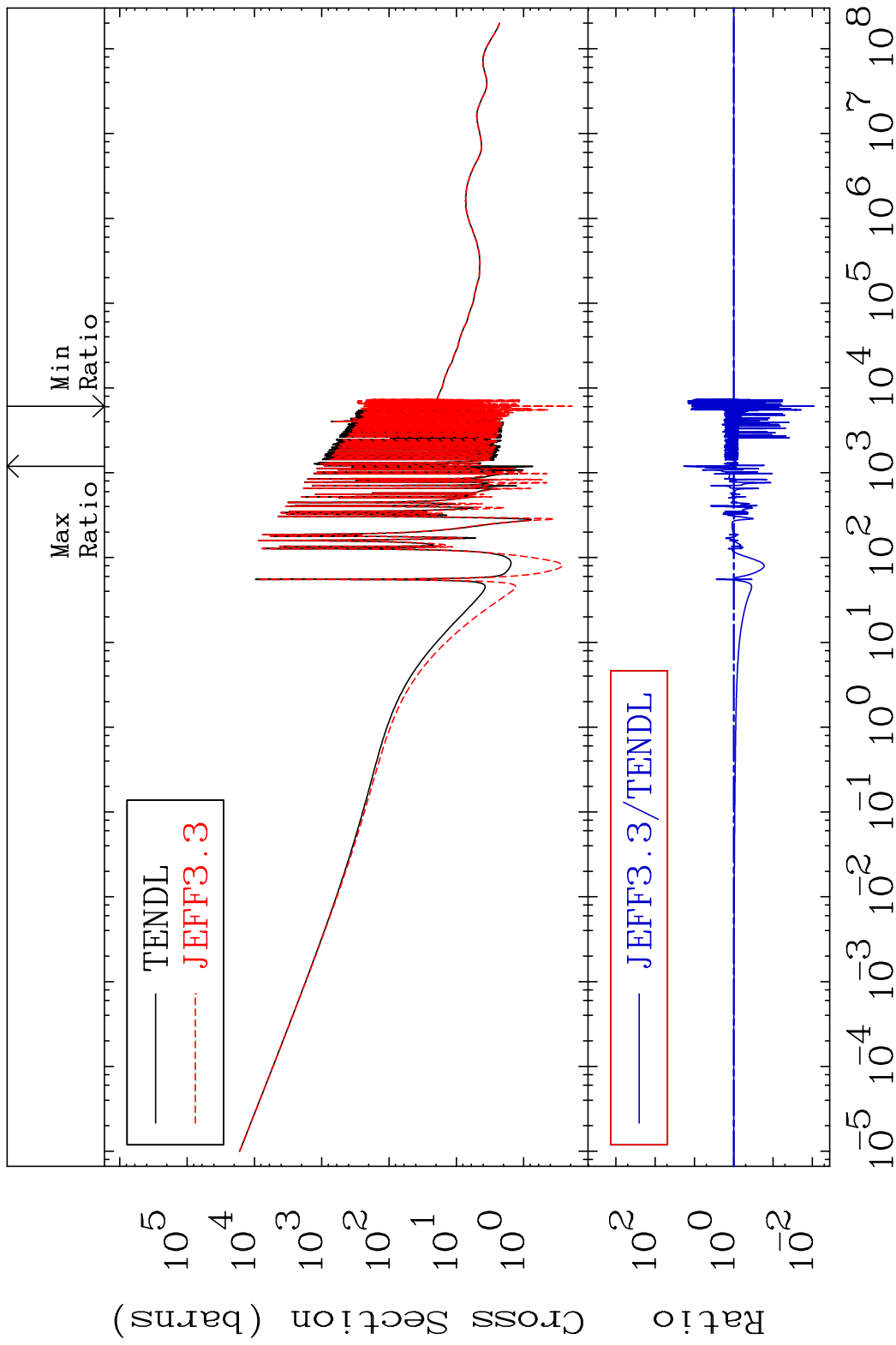
U.S.A.

Tele: 925-443-1911

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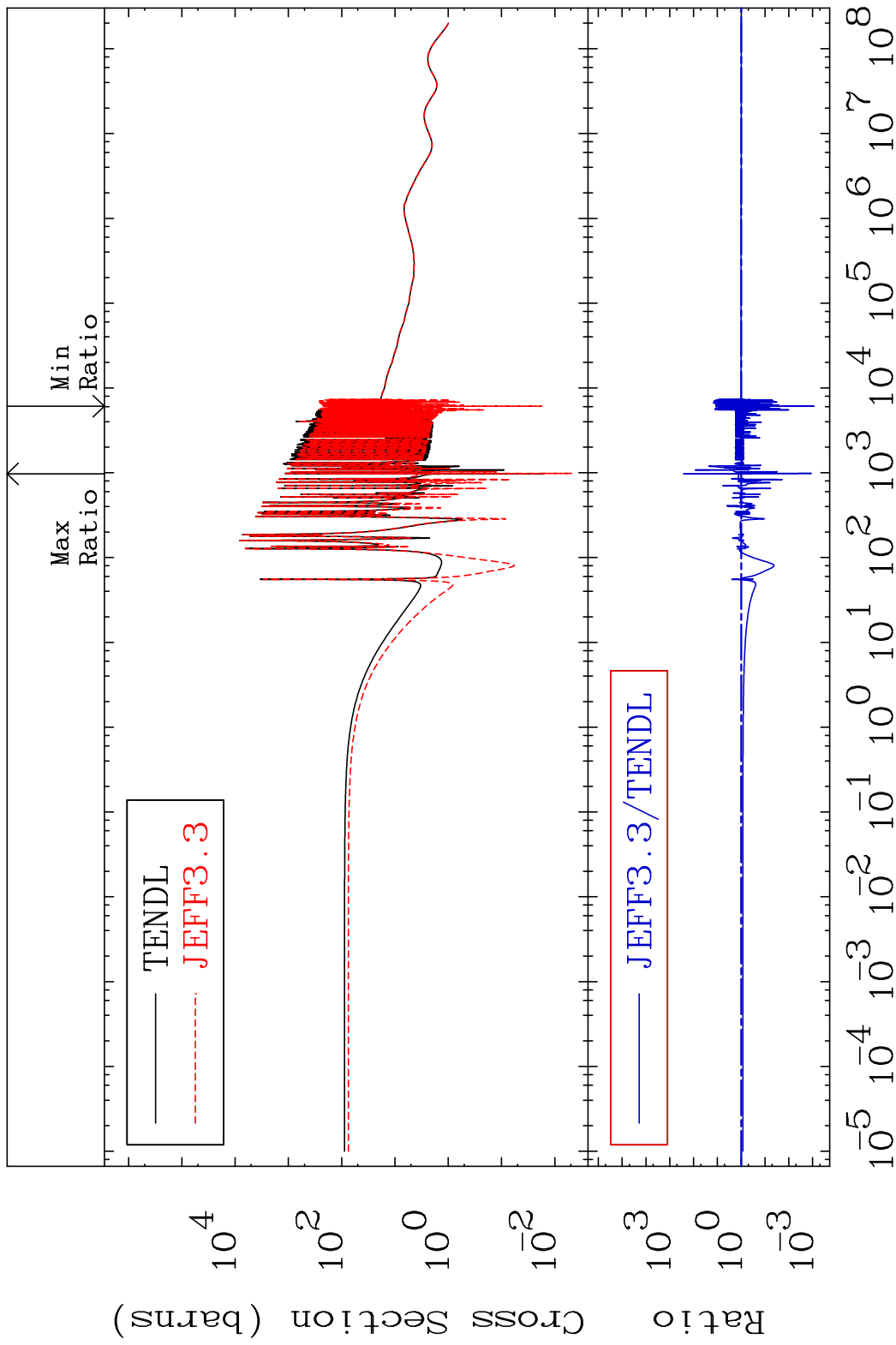
Press Mouse Button to Start

MAT 6028 Total 60-Nd-143
 Cross Section -99.09 To 1811. %



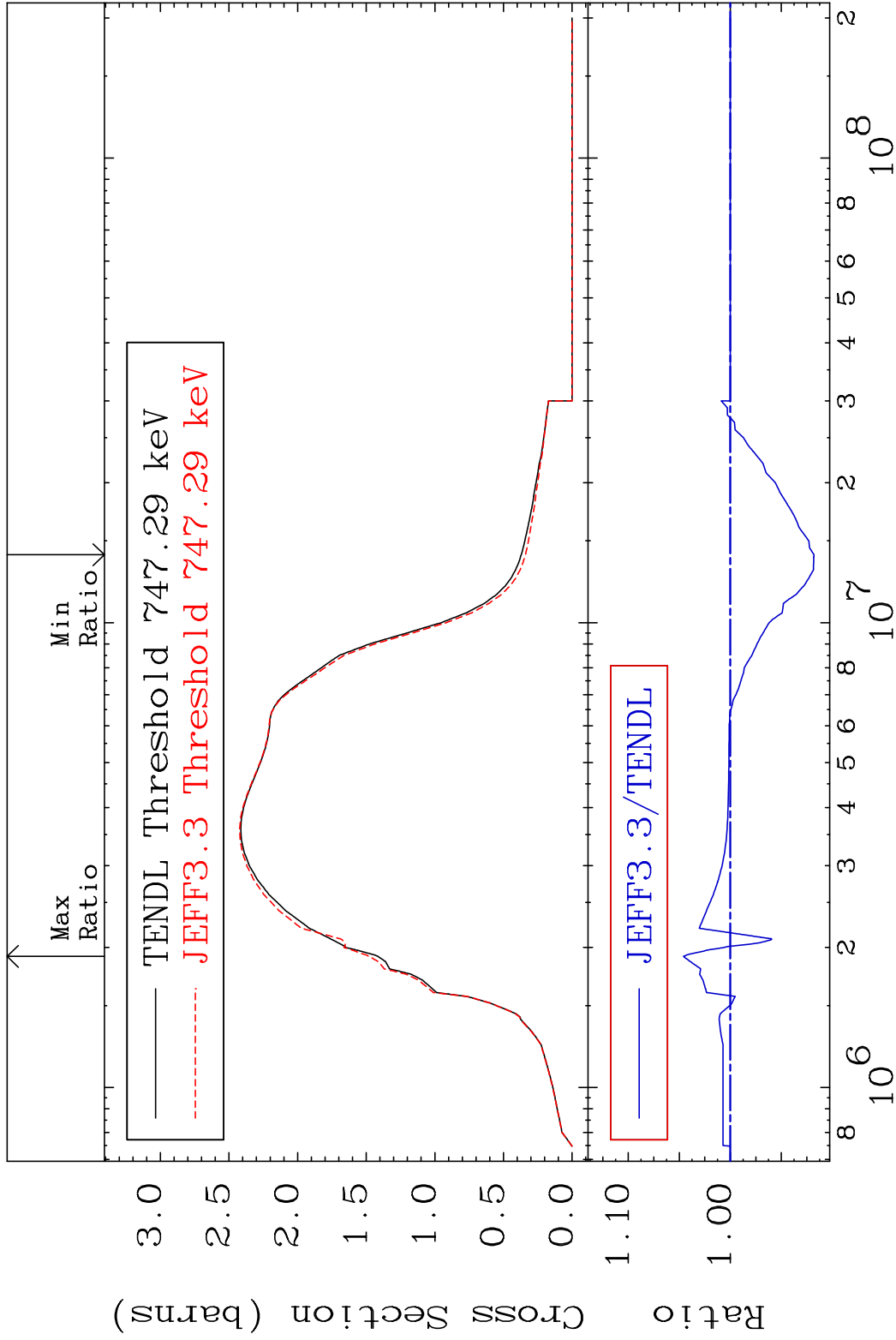
1 Incident Energy (eV) 60-Nd-143

MAT 6028 Elastic 60-Nd-143
 Cross Section -99.91 To 9999. %



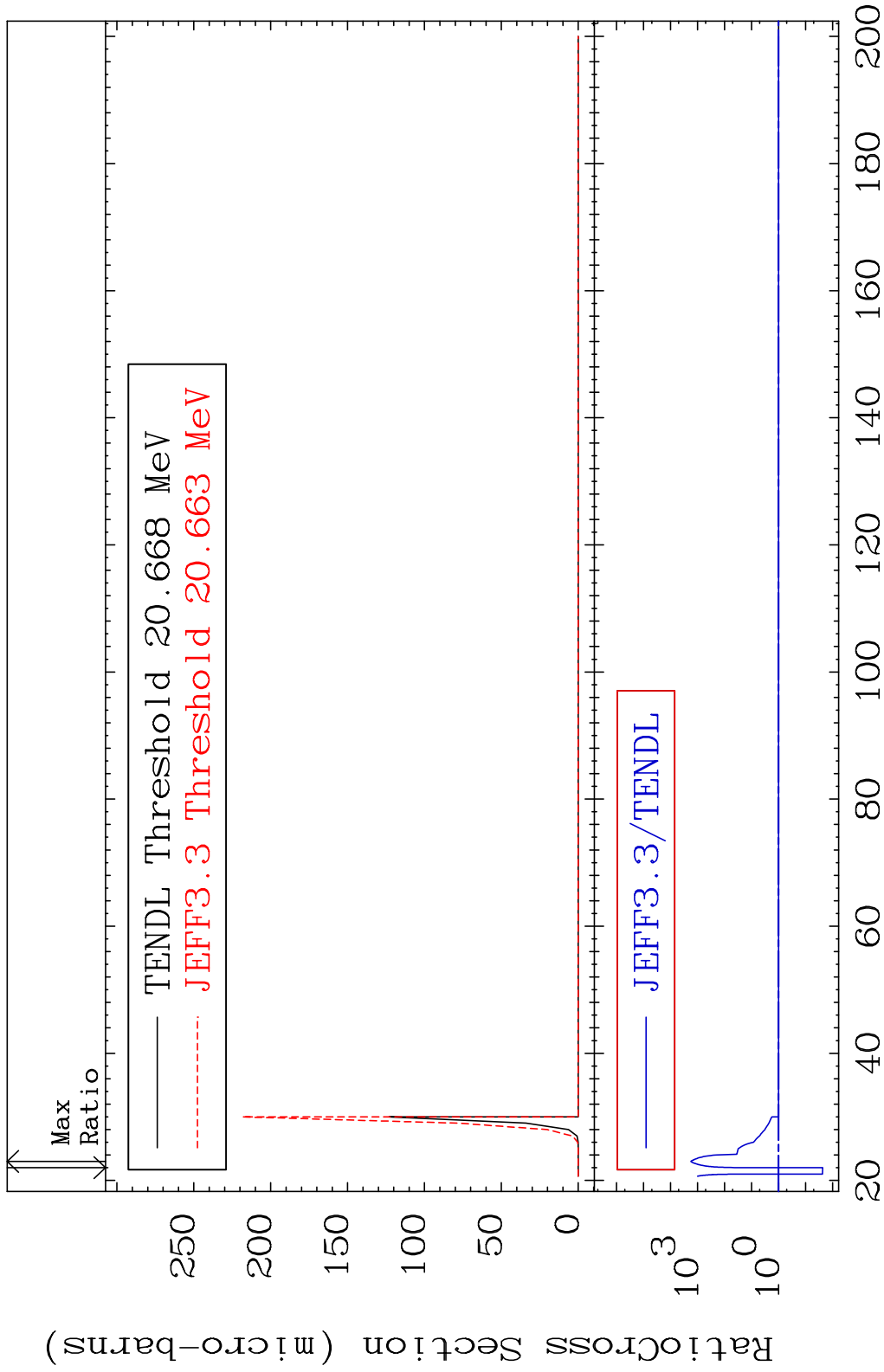
2 Incident Energy (eV) 60-Nd-143

MAT 6028 Inelastic 60-Nd-143
 Cross Section -8.192 To 4.593 %



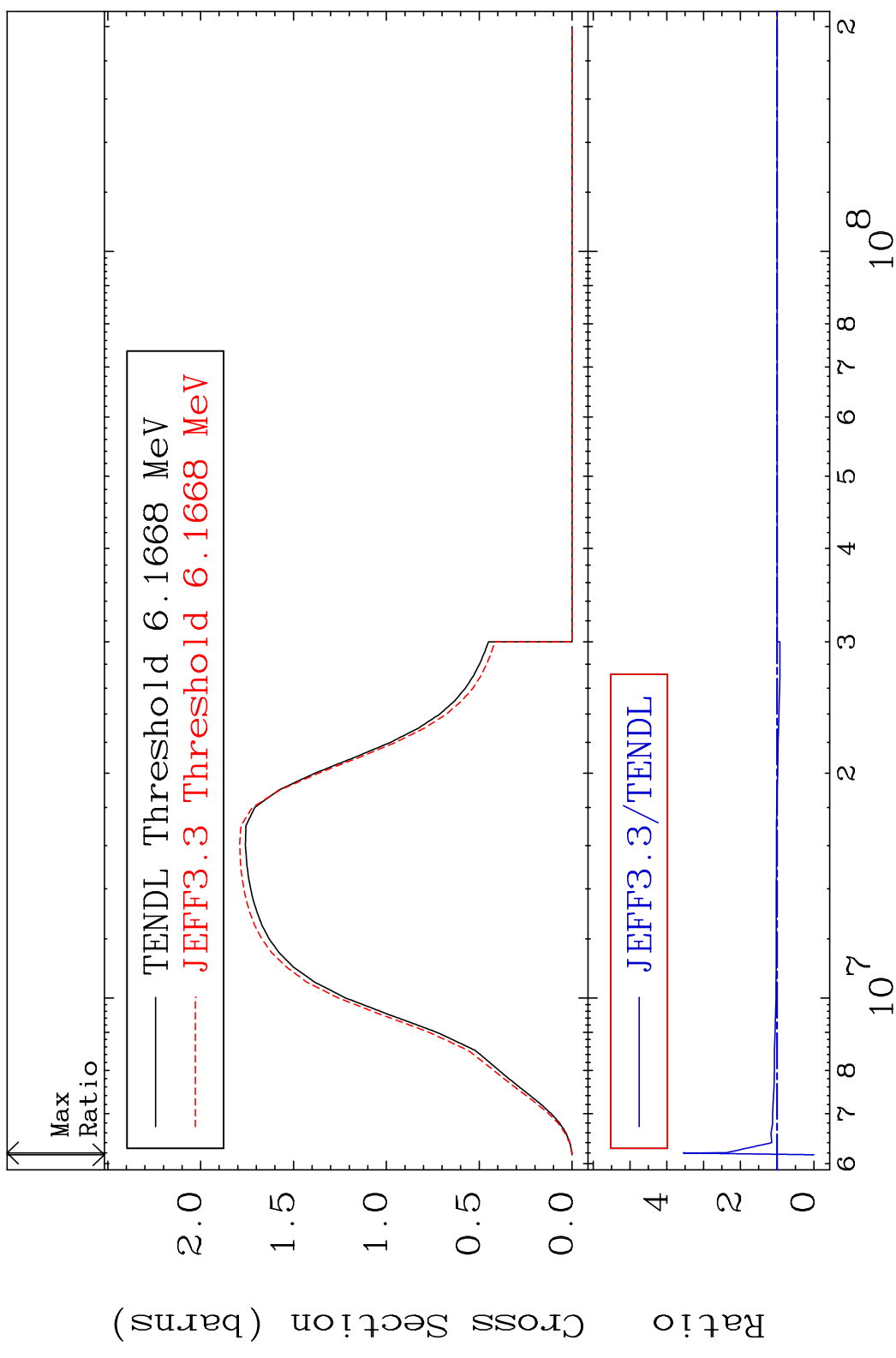
3 Incident Energy (eV) 60-Nd-143

MAT 6028 (n,2n) d 60-Nd-143
Cross Section -97.67 To 9999. %



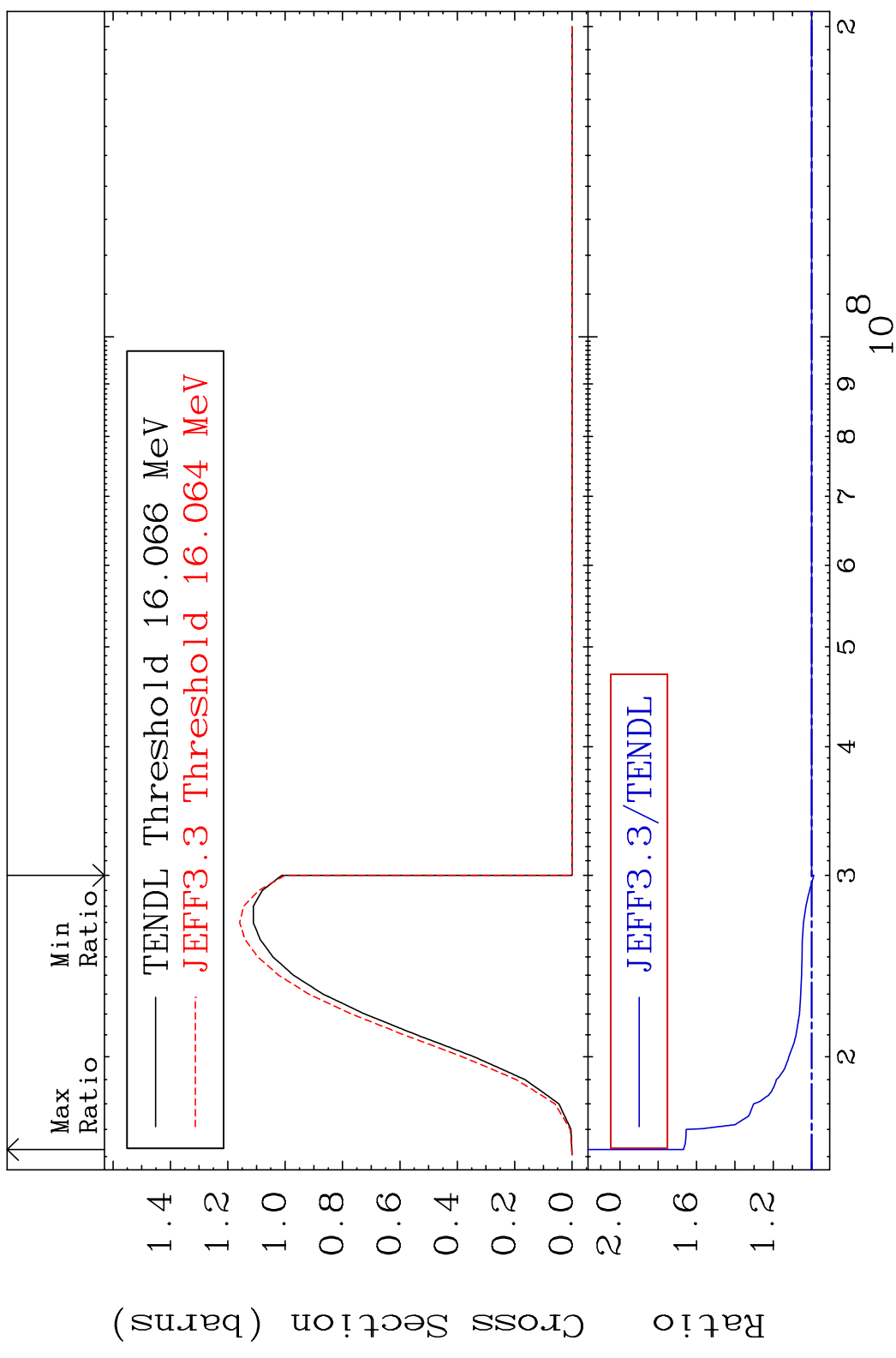
4 Incident Energy (MeV) 60-Nd-143

MAT 6028 (n,2n) 60-Nd-143
 Cross Section -100.0 To 254.5 %



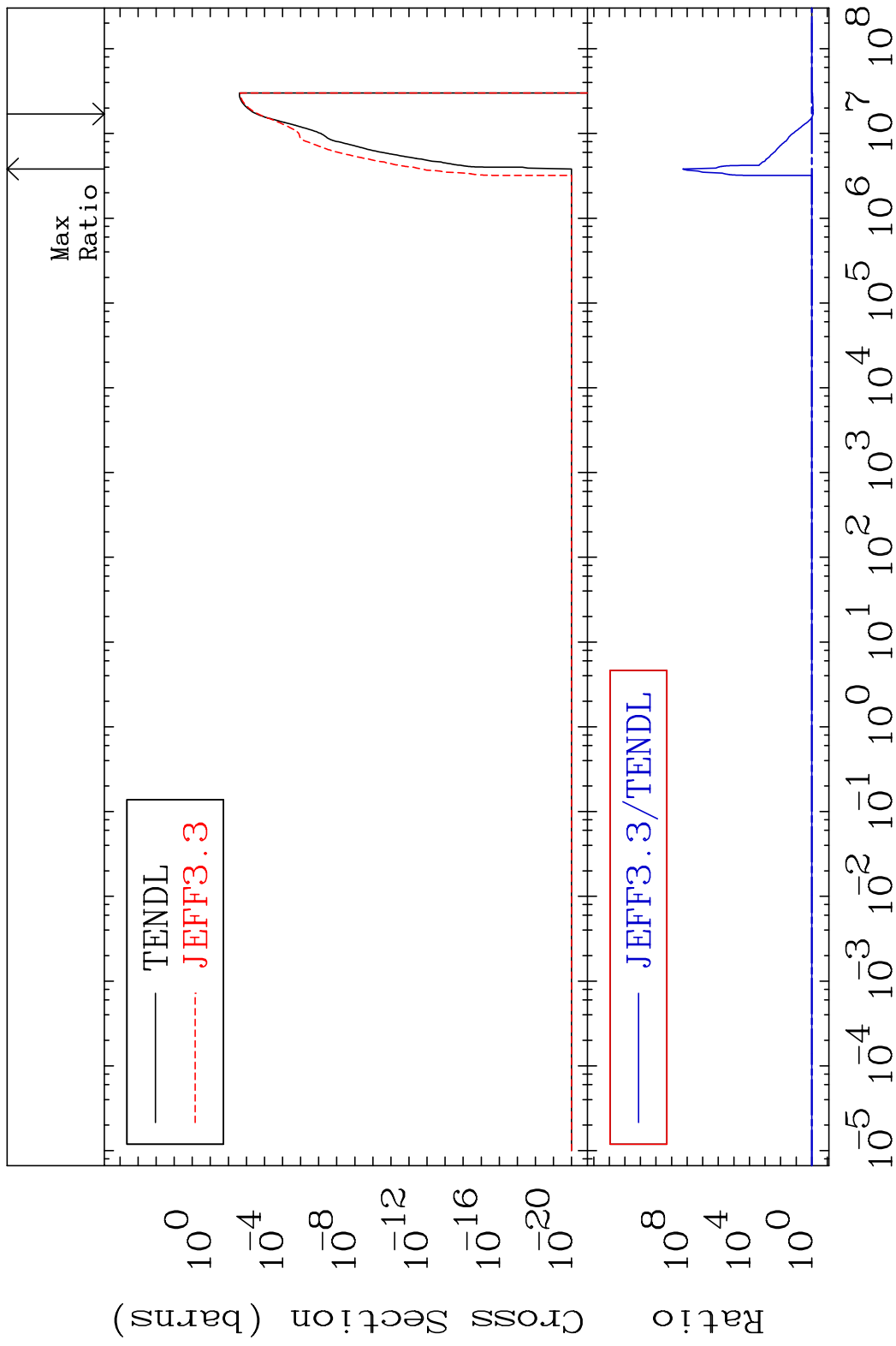
5 Incident Energy (eV) 60-Nd-143

MAT 6028 (n,3n) 60-Nd-143
 Cross Section -1.141 To 66.86 %



MAT 6028

(n, n') α 60-Nd-143
Cross Section -18.39 To 9999. %

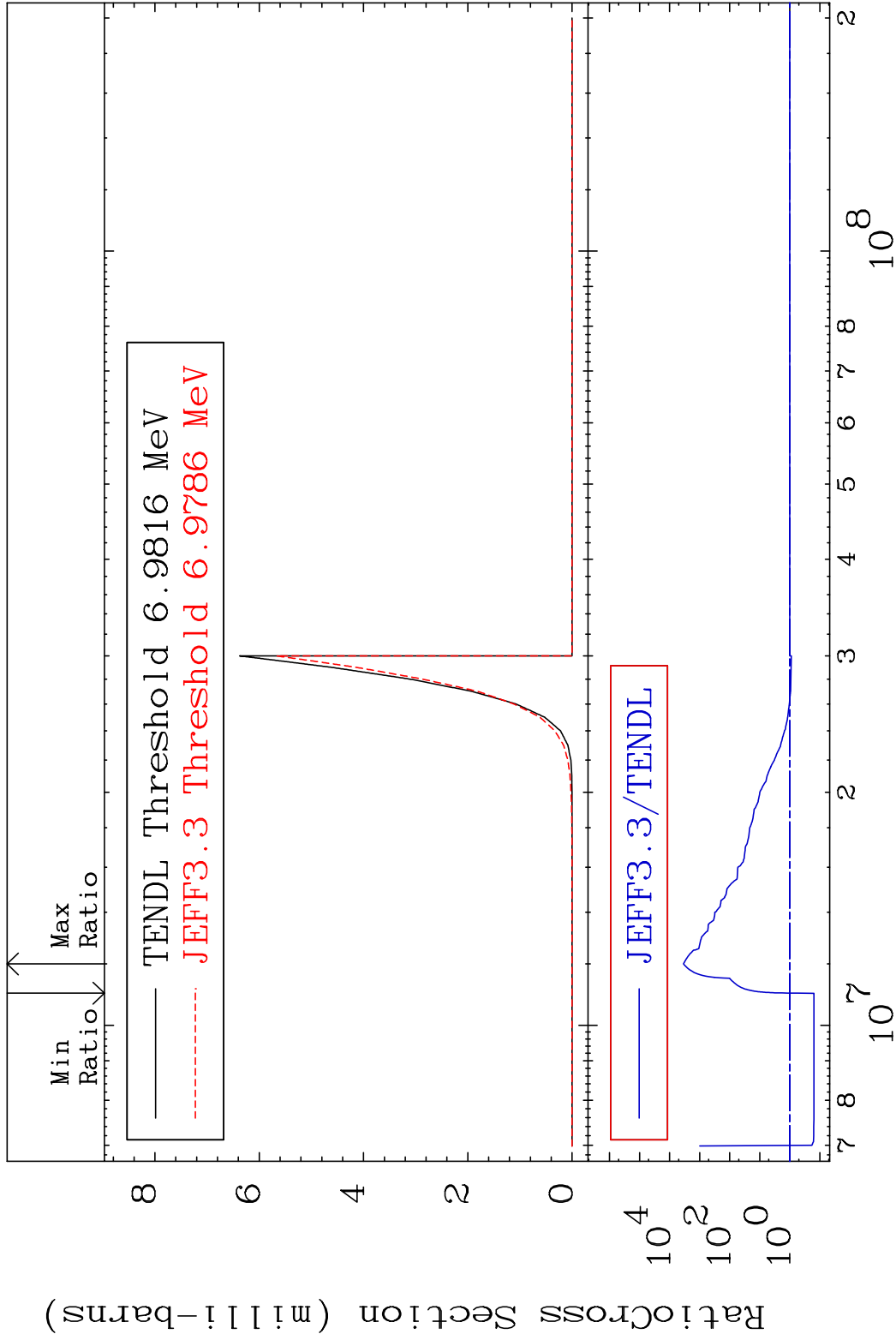


7

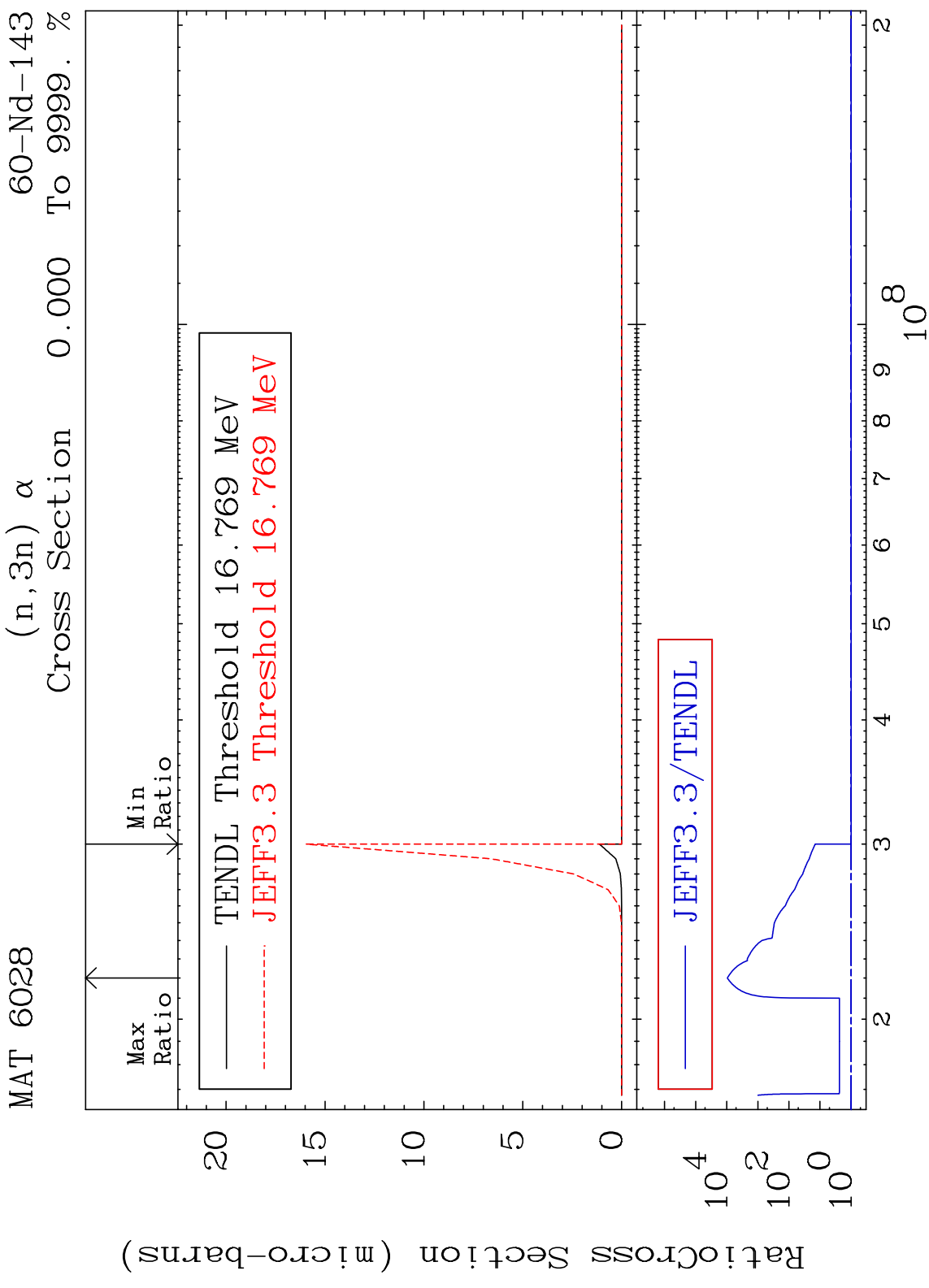
Incident Energy (eV)

60-Nd-143

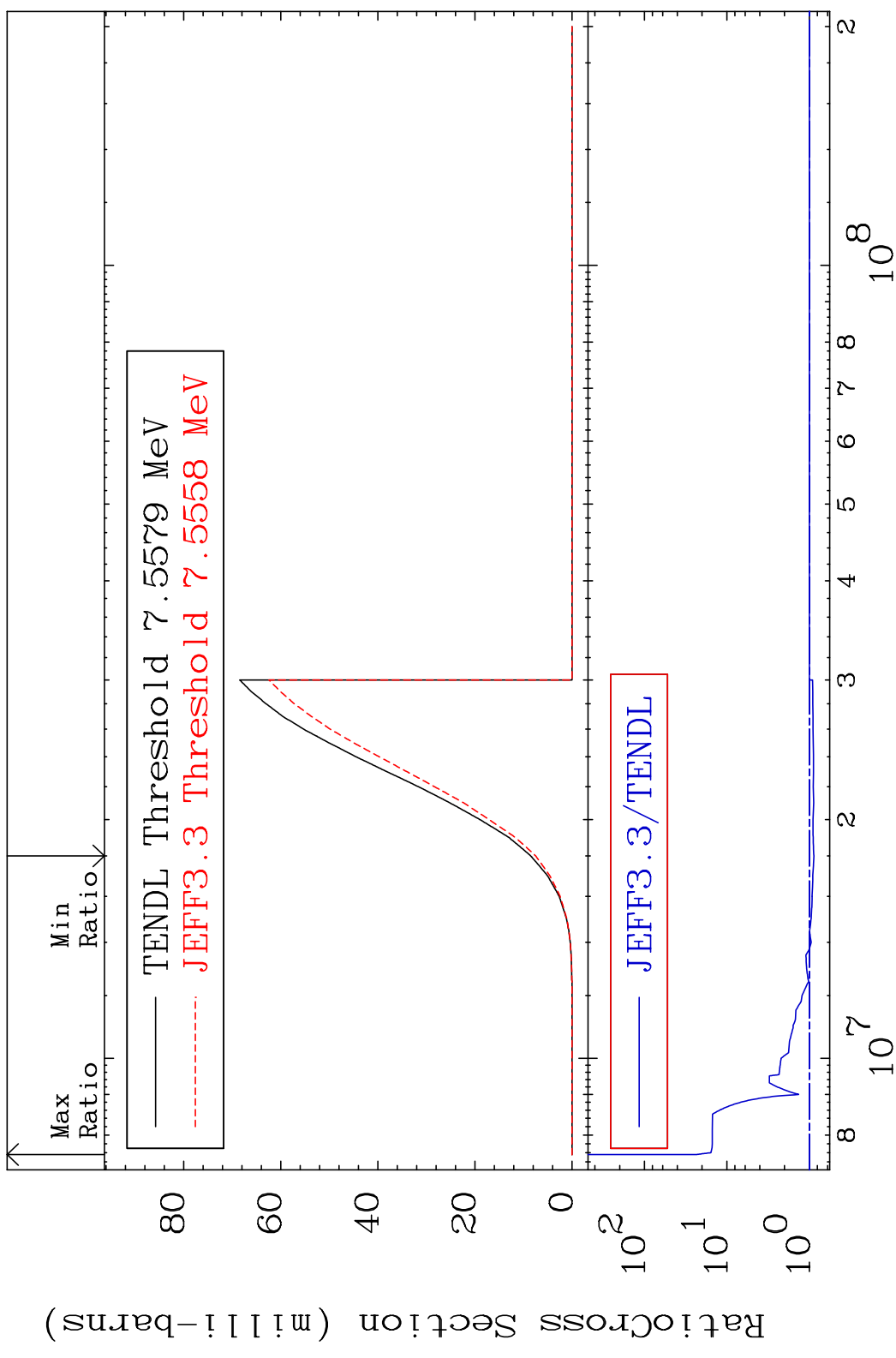
MAT 6028 (n,2n) α 60-Nd-143
 Cross Section -84.26 To 9999. %



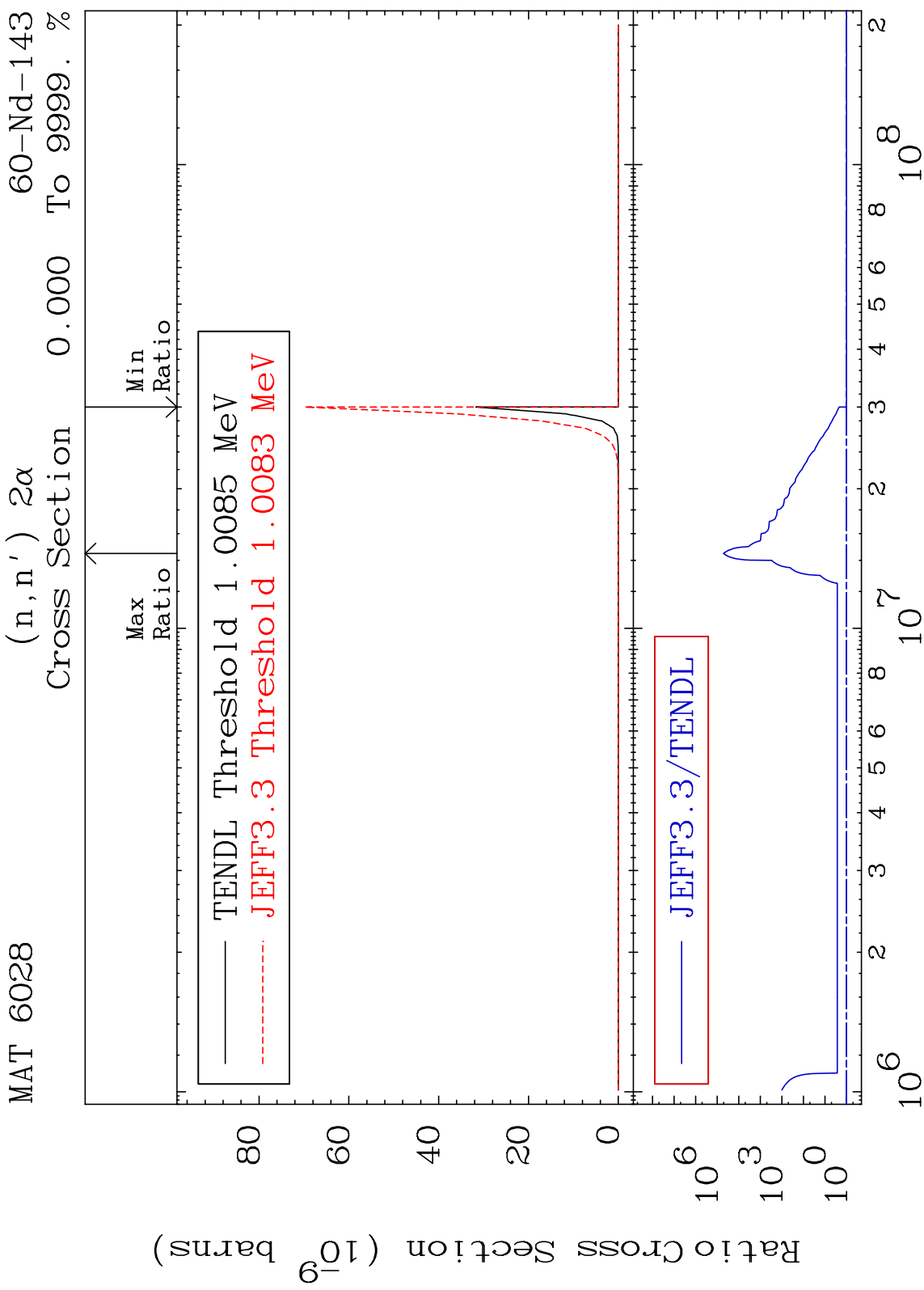
8 60-Nd-143



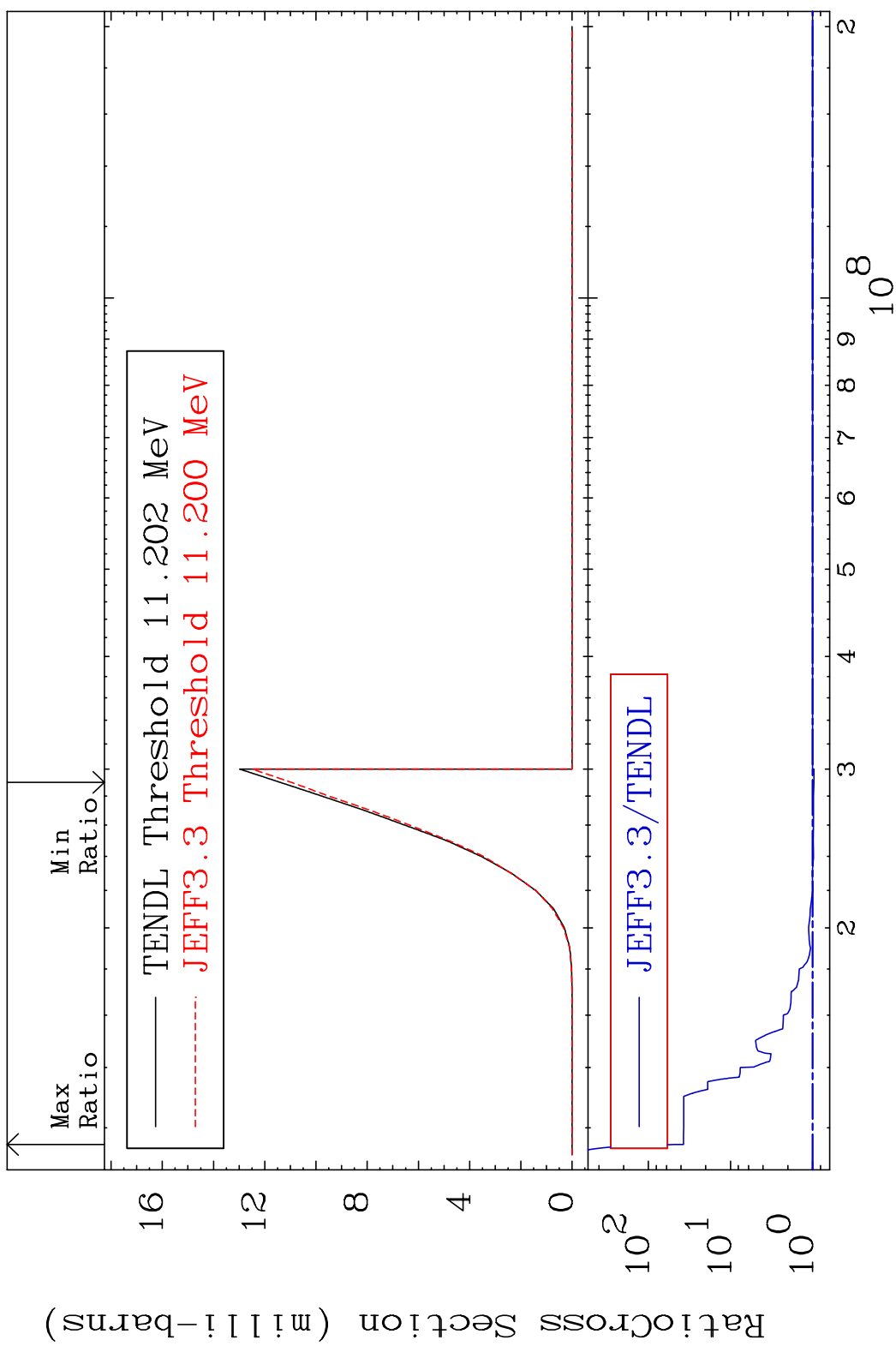
MAT 6028 (n, n') p 60-Nd-143
 Cross Section -11.92 To 3267. %



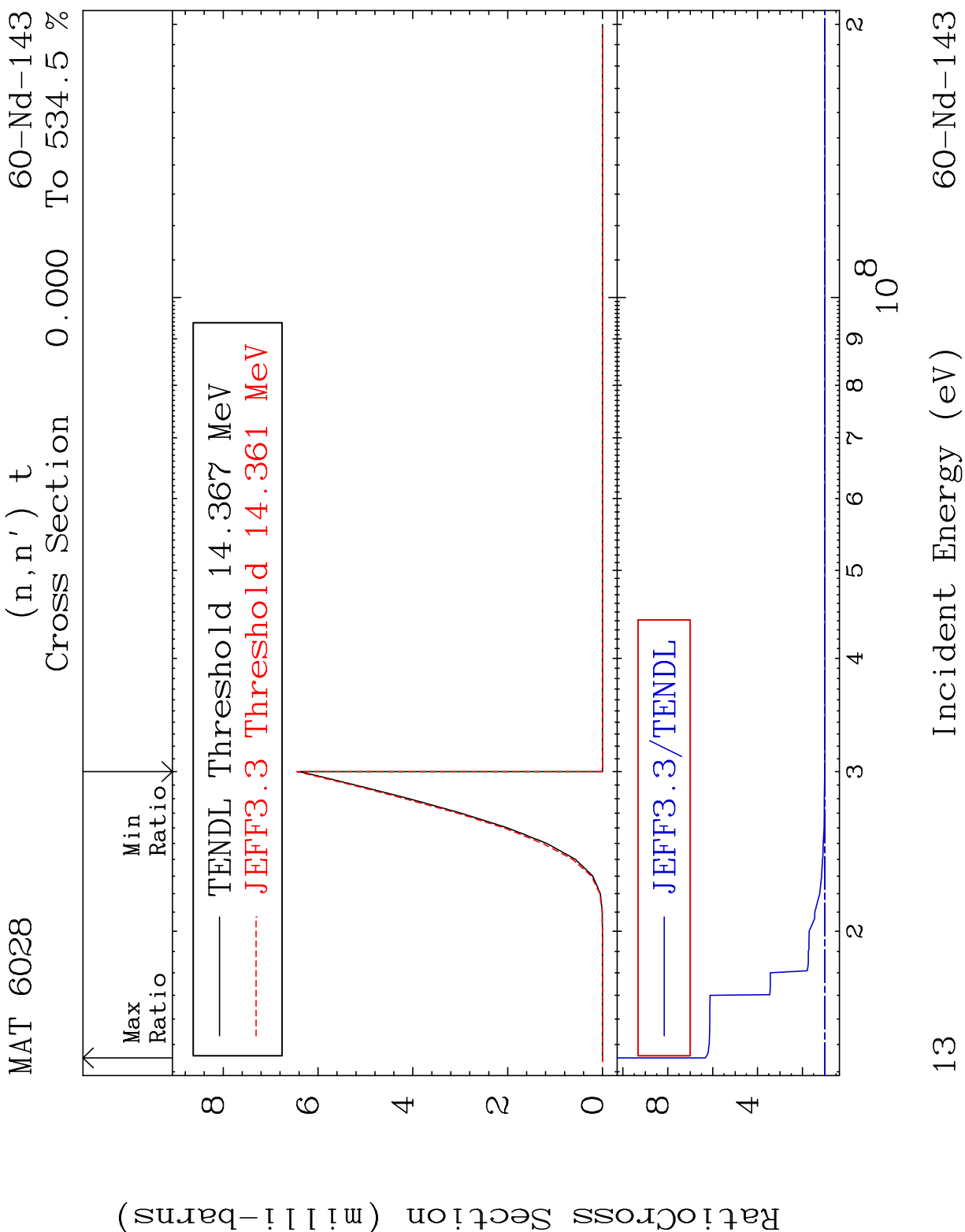
10 Incident Energy (eV) 60-Nd-143

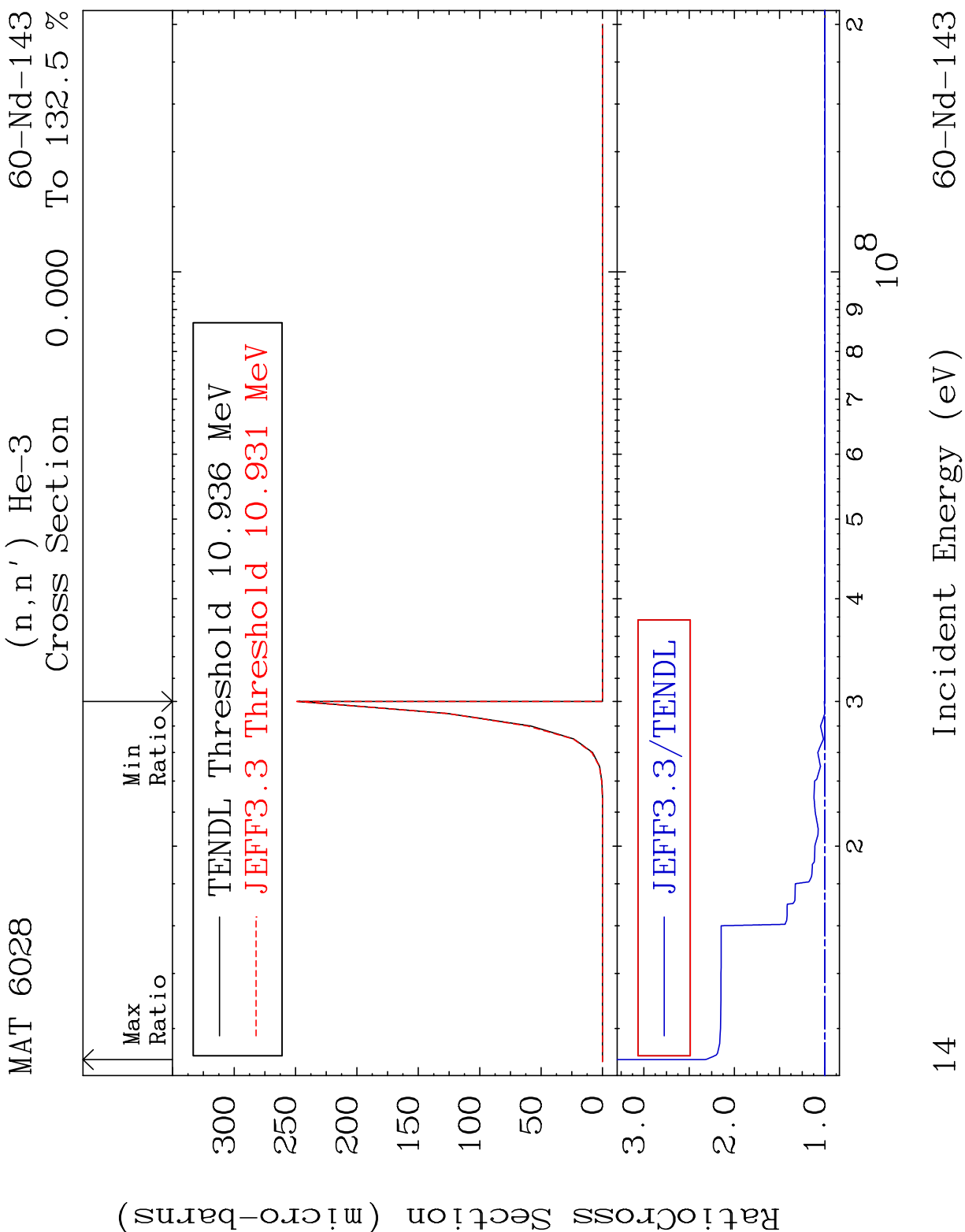


MAT 6028 (n, n') d 60-Nd-143
 Cross Section -3.810 To 3639. %

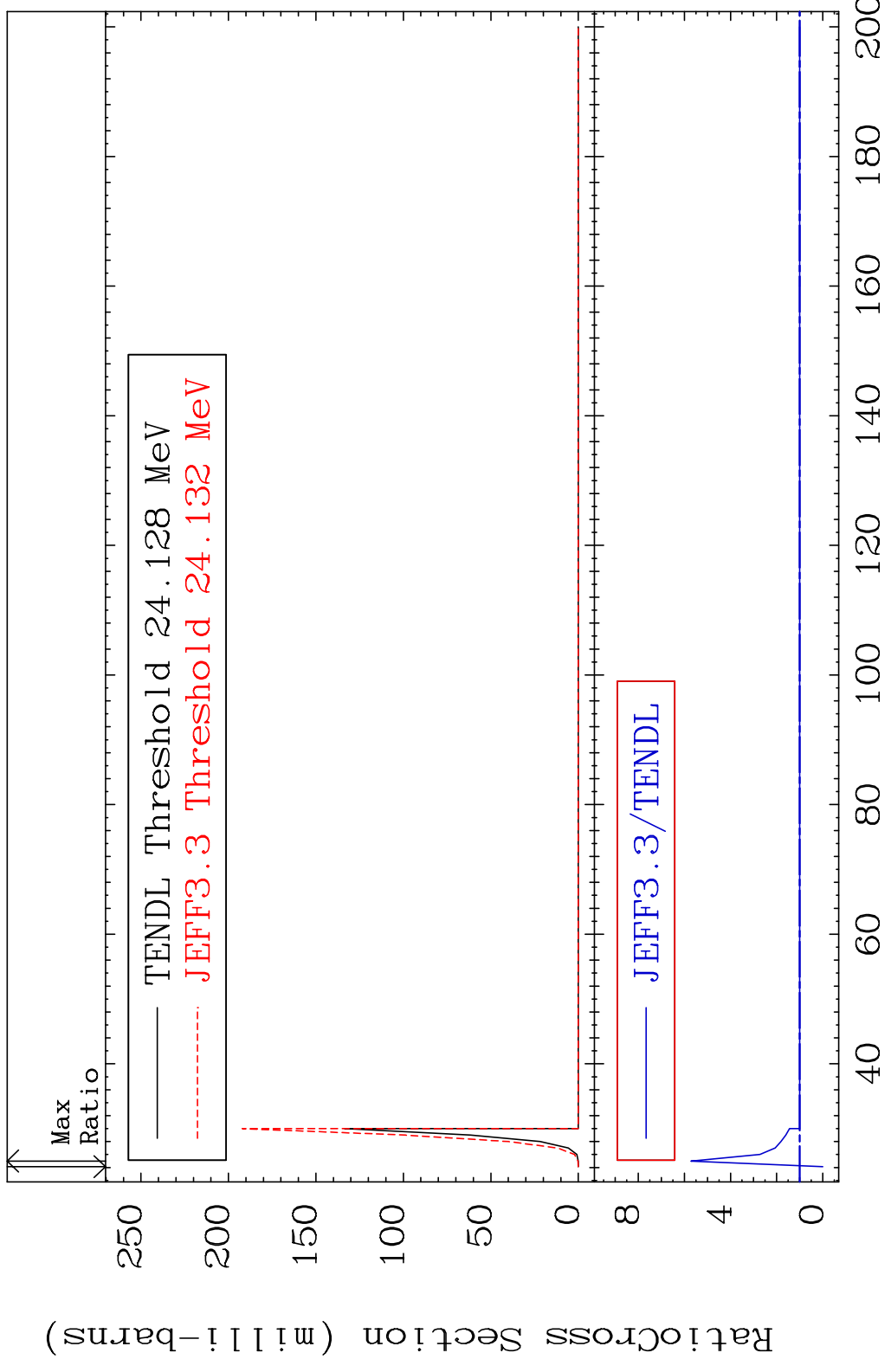


12 60-Nd-143

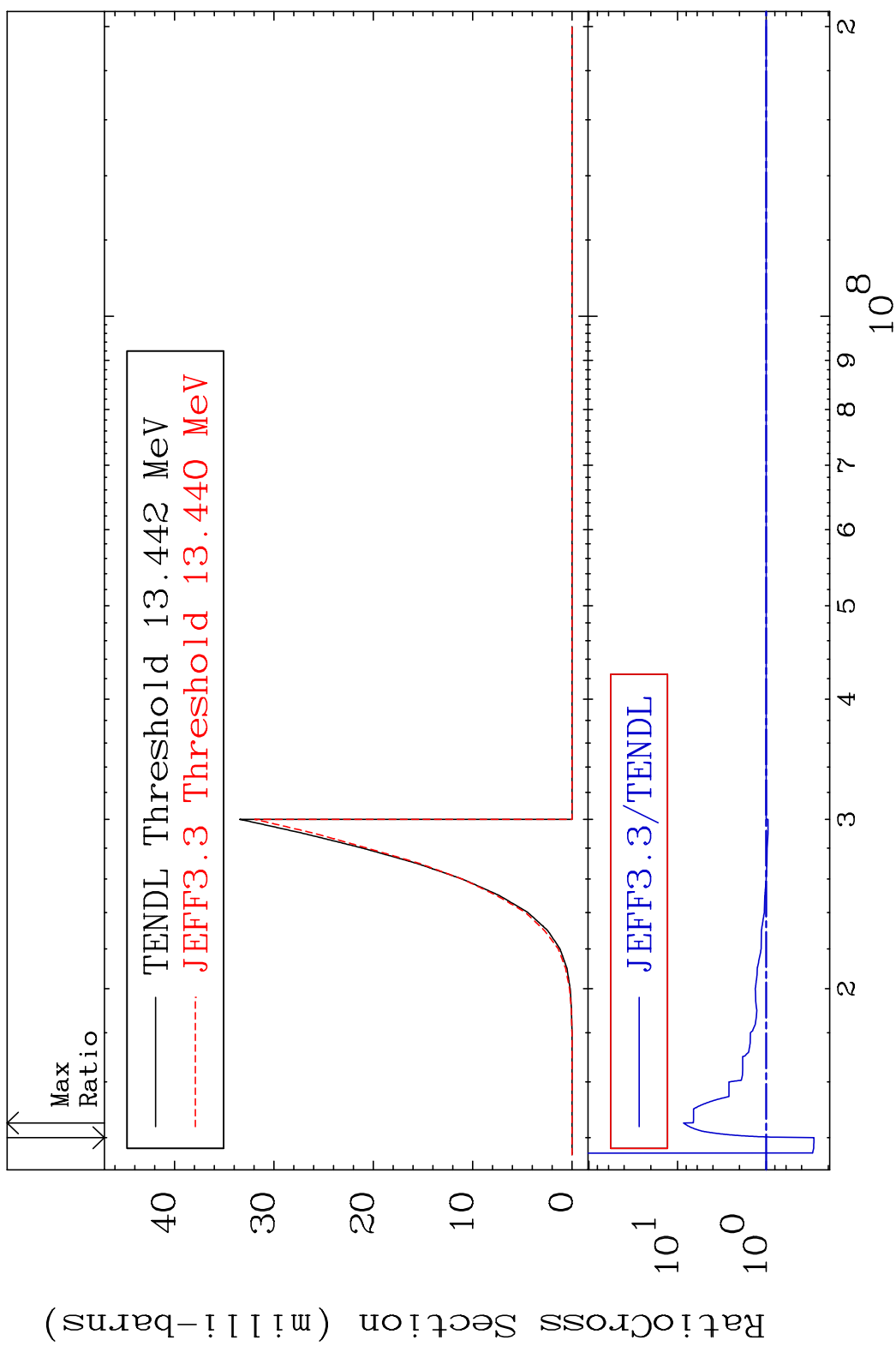




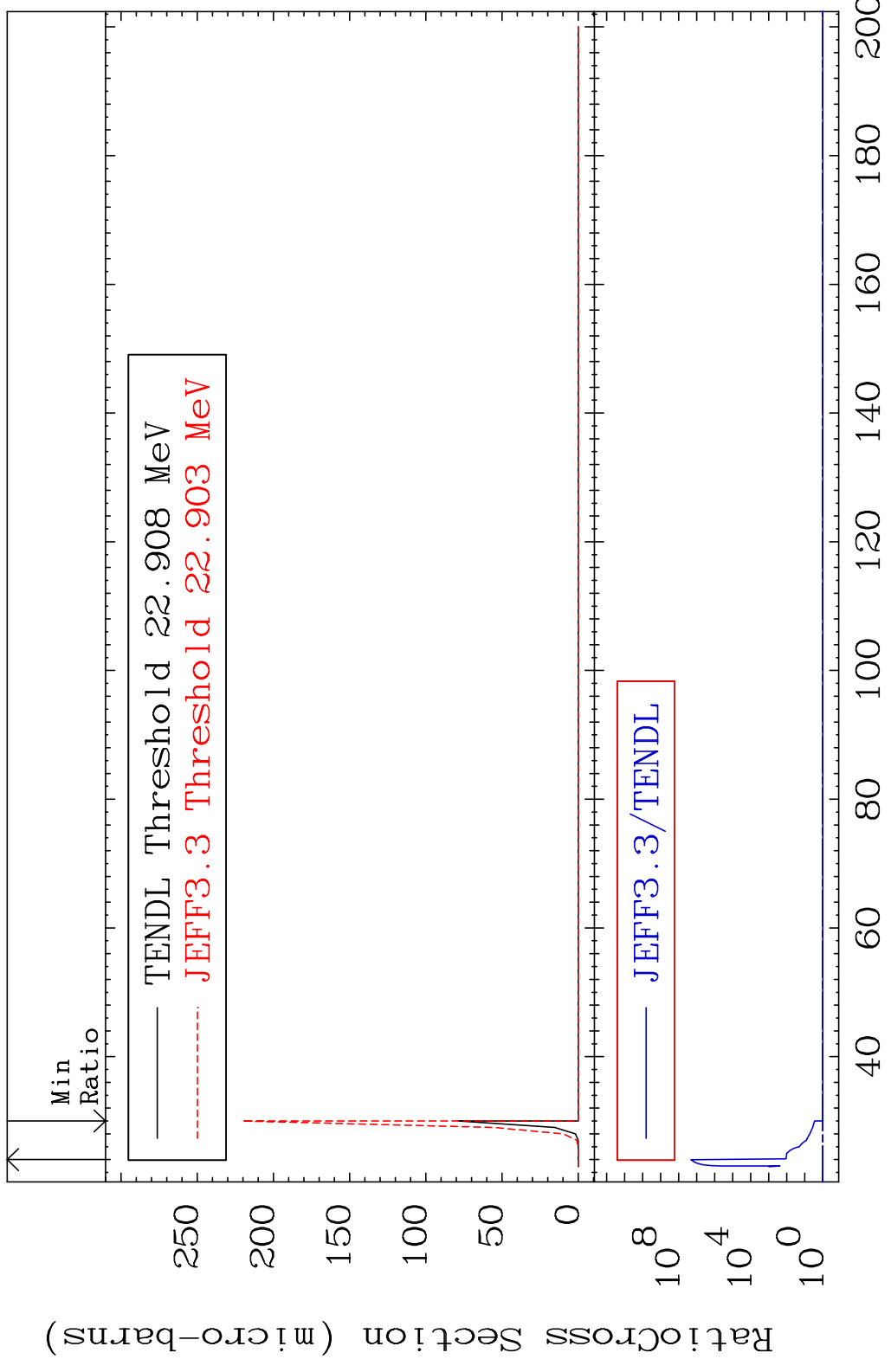
MAT 6028 (n,4n) 60-Nd-143
Cross Section -100.0 To 472.0 %



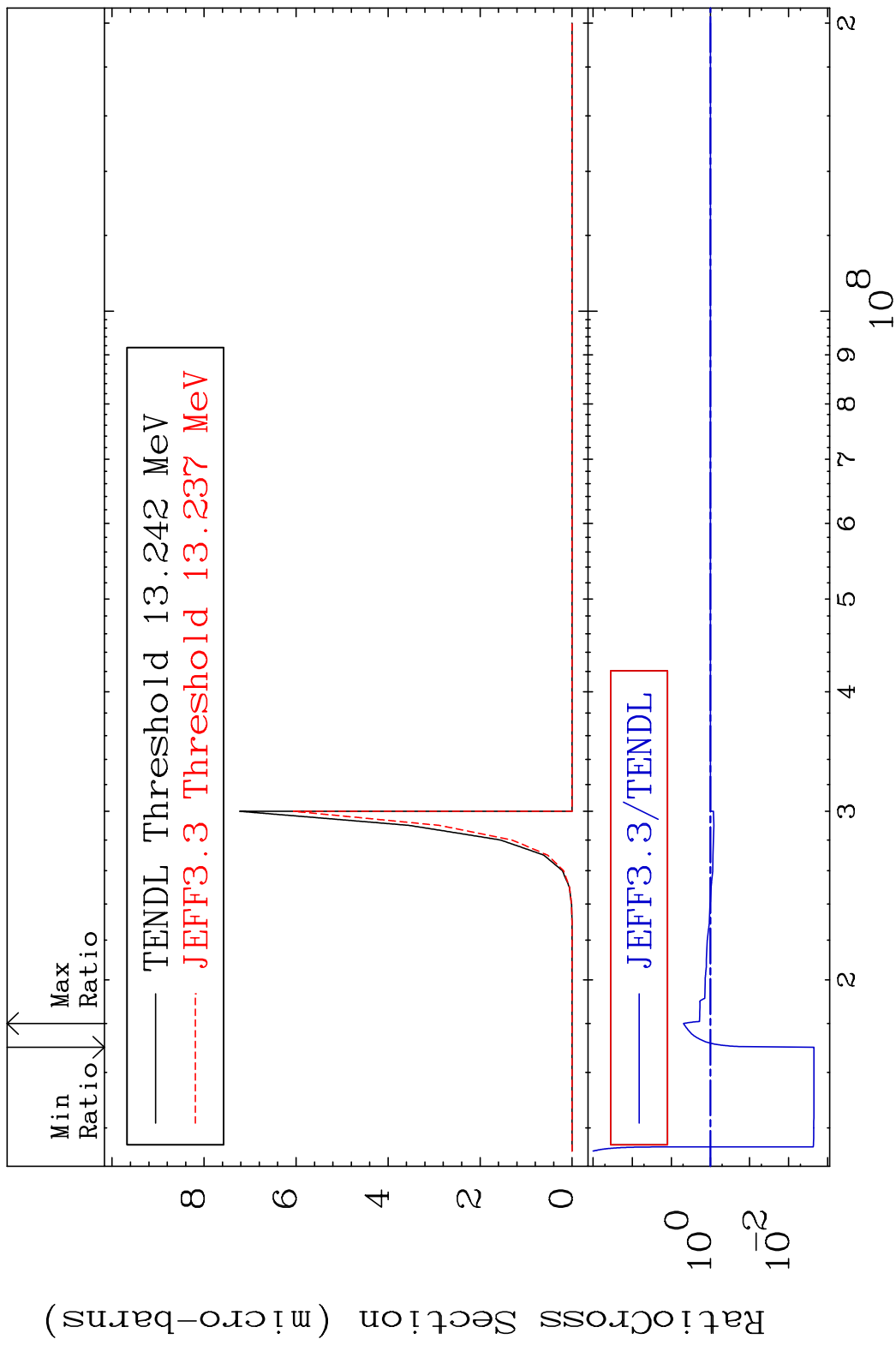
MAT 6028 (n,2n) p 60-Nd-143
 Cross Section -70.94 To 758.0 %



MAT 6028 (n,3n) p 60-Nd-143
Cross Section 0.000 To 9999. %

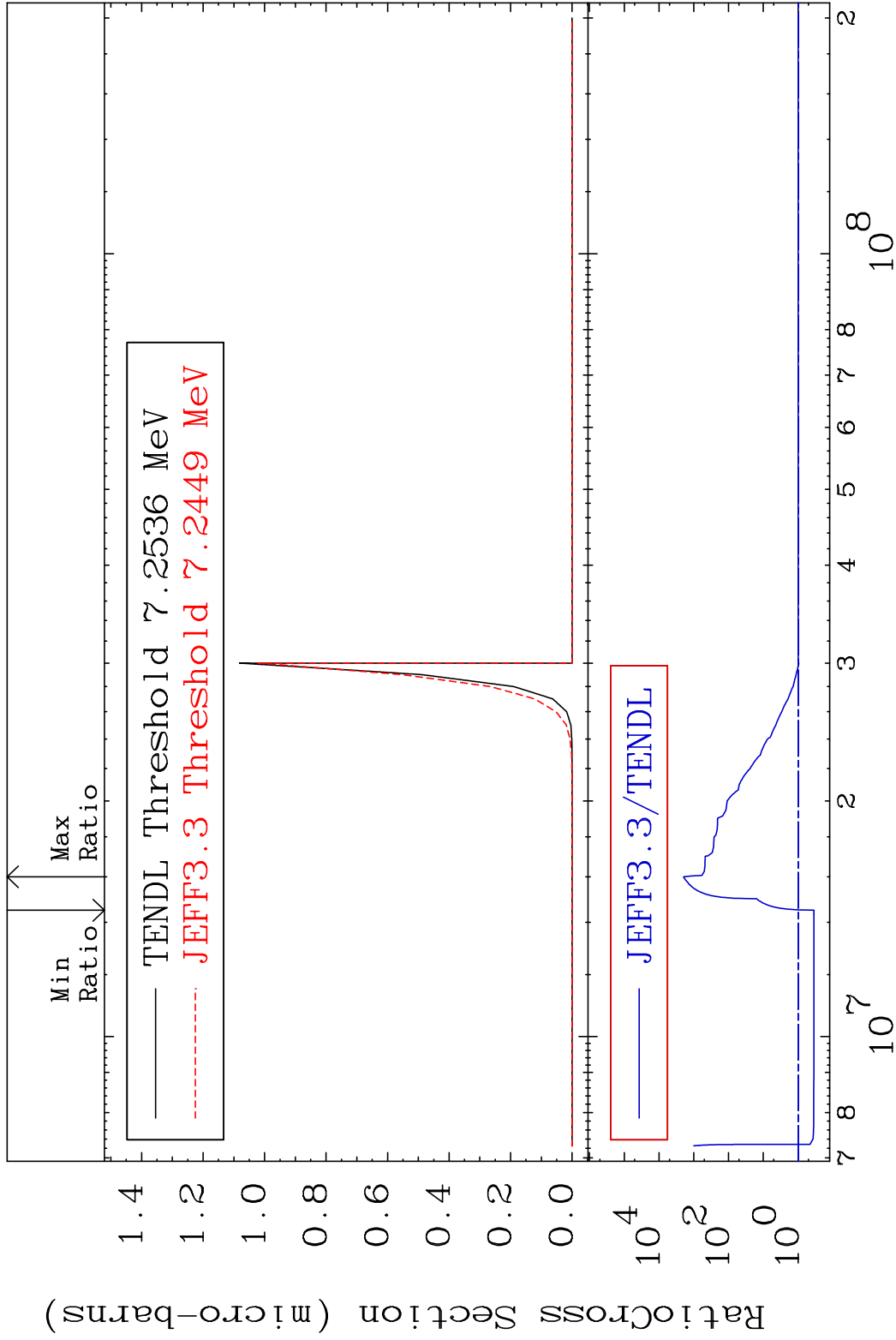


MAT 6028 (n,2n) p 60-Nd-143
 Cross Section -99.77 To 389.6 %

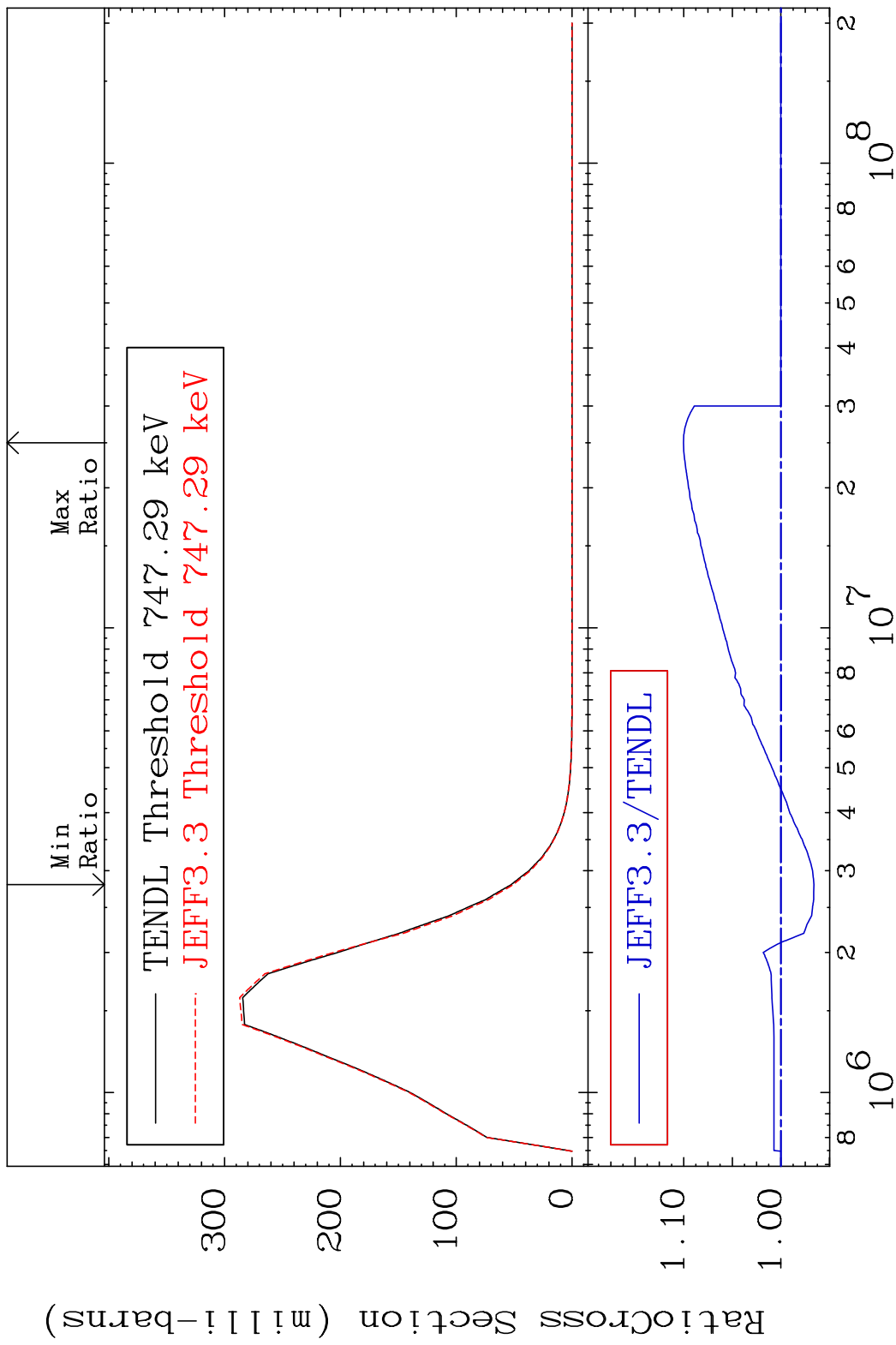


18 Incident Energy (eV) 60-Nd-143

MAT 6028 (n, n') p α 60-Nd-143
 Cross Section -64.90 To 9999. %

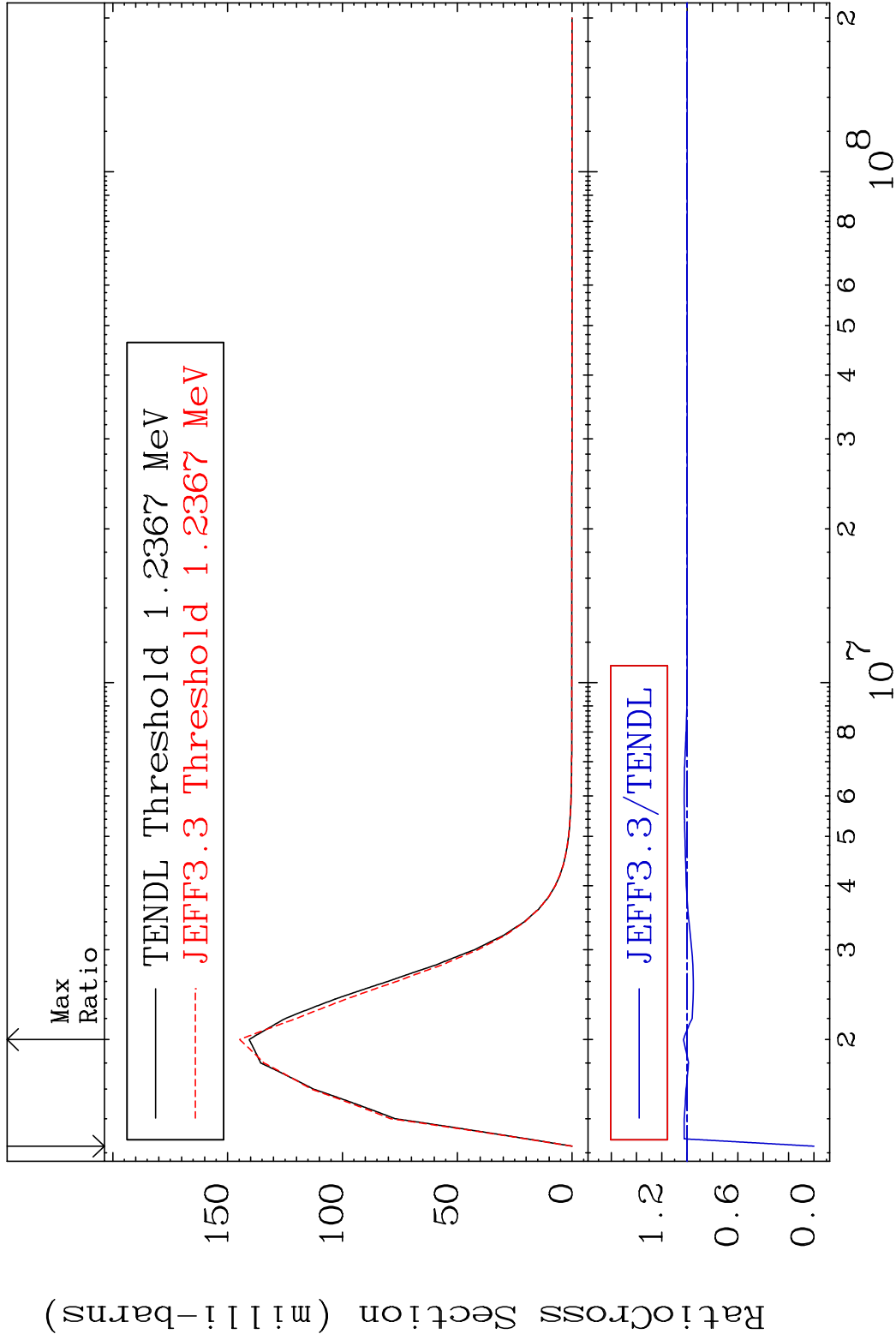


MAT 6028 MT= 51 (n, n') Level 60-Nd-143
 Cross Section -3.390 To 10.02 %

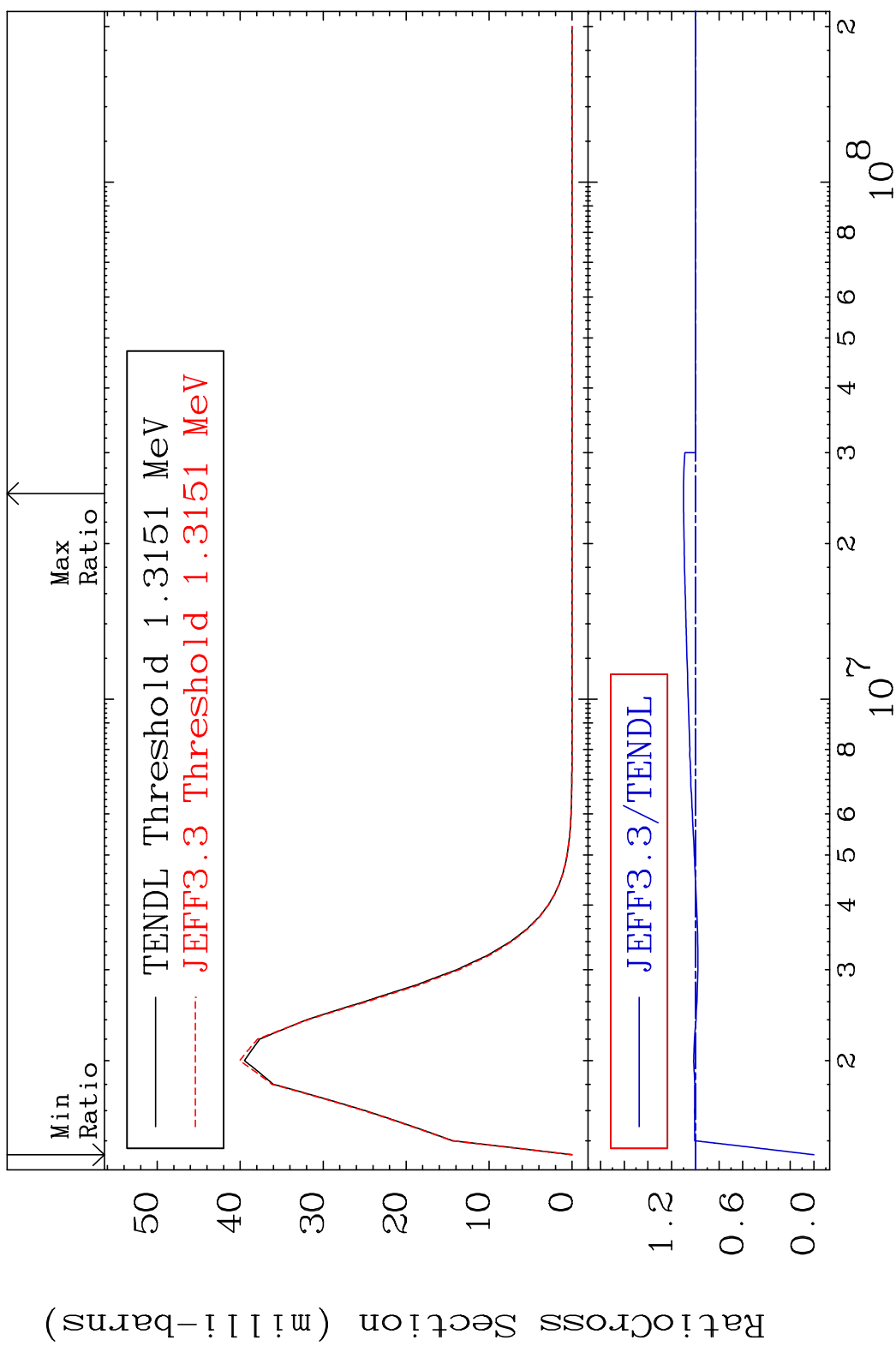


20 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 52 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 2.955 %

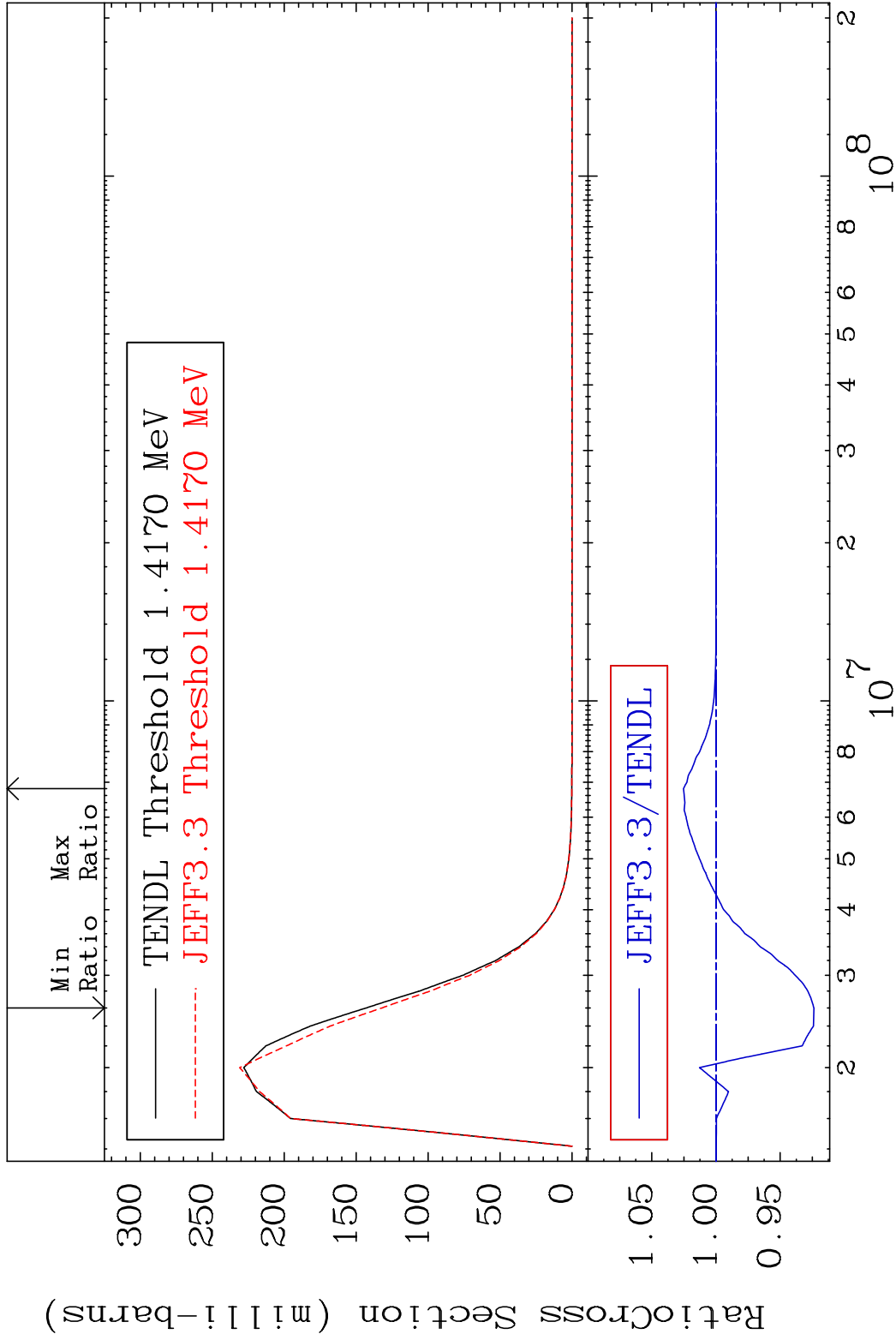


MAT 6028 MT= 53 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 10.03 %

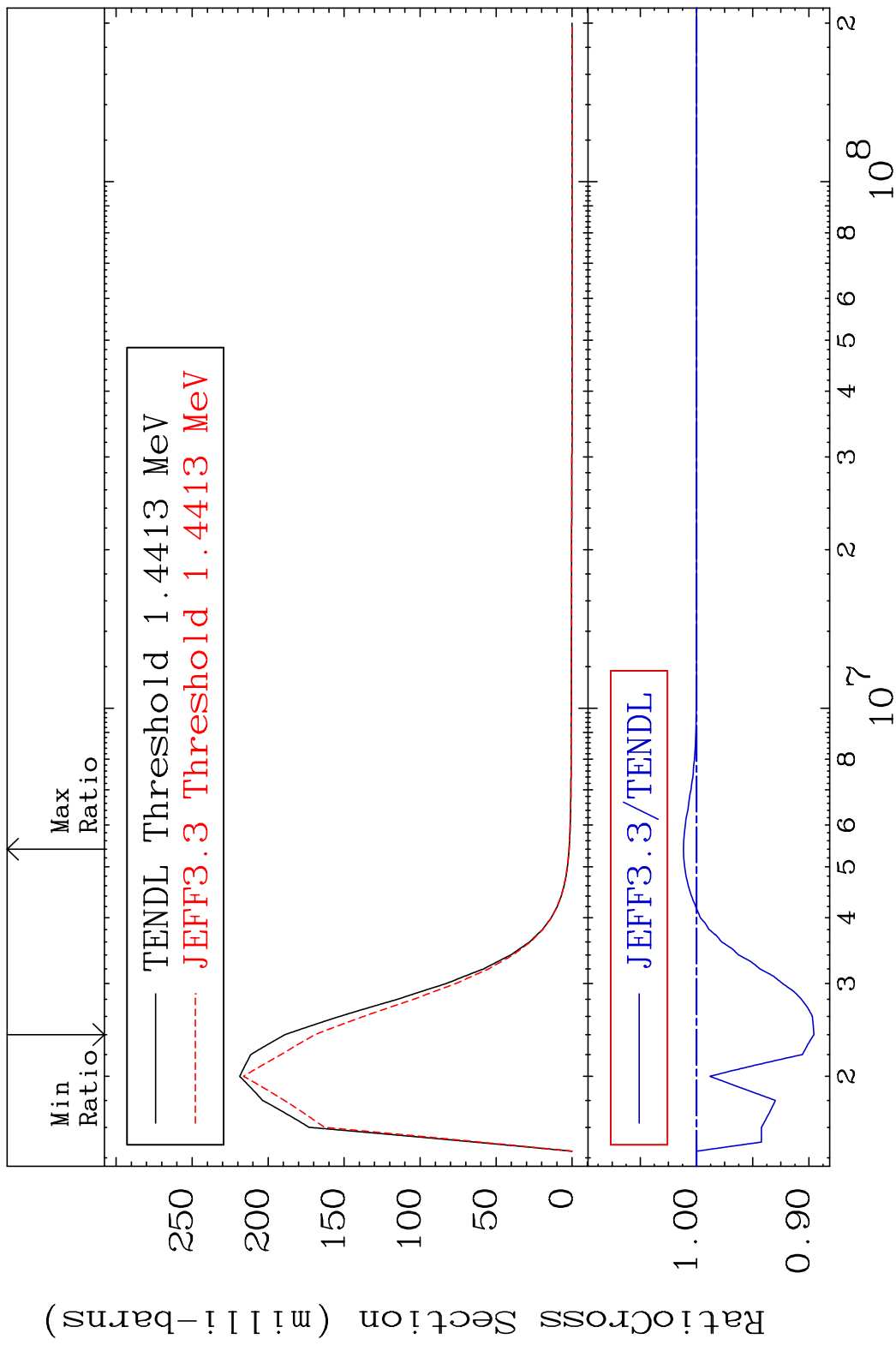


22 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 54 (n, n') Level 60-Nd-143
 Cross Section -7.624 To 2.535 %

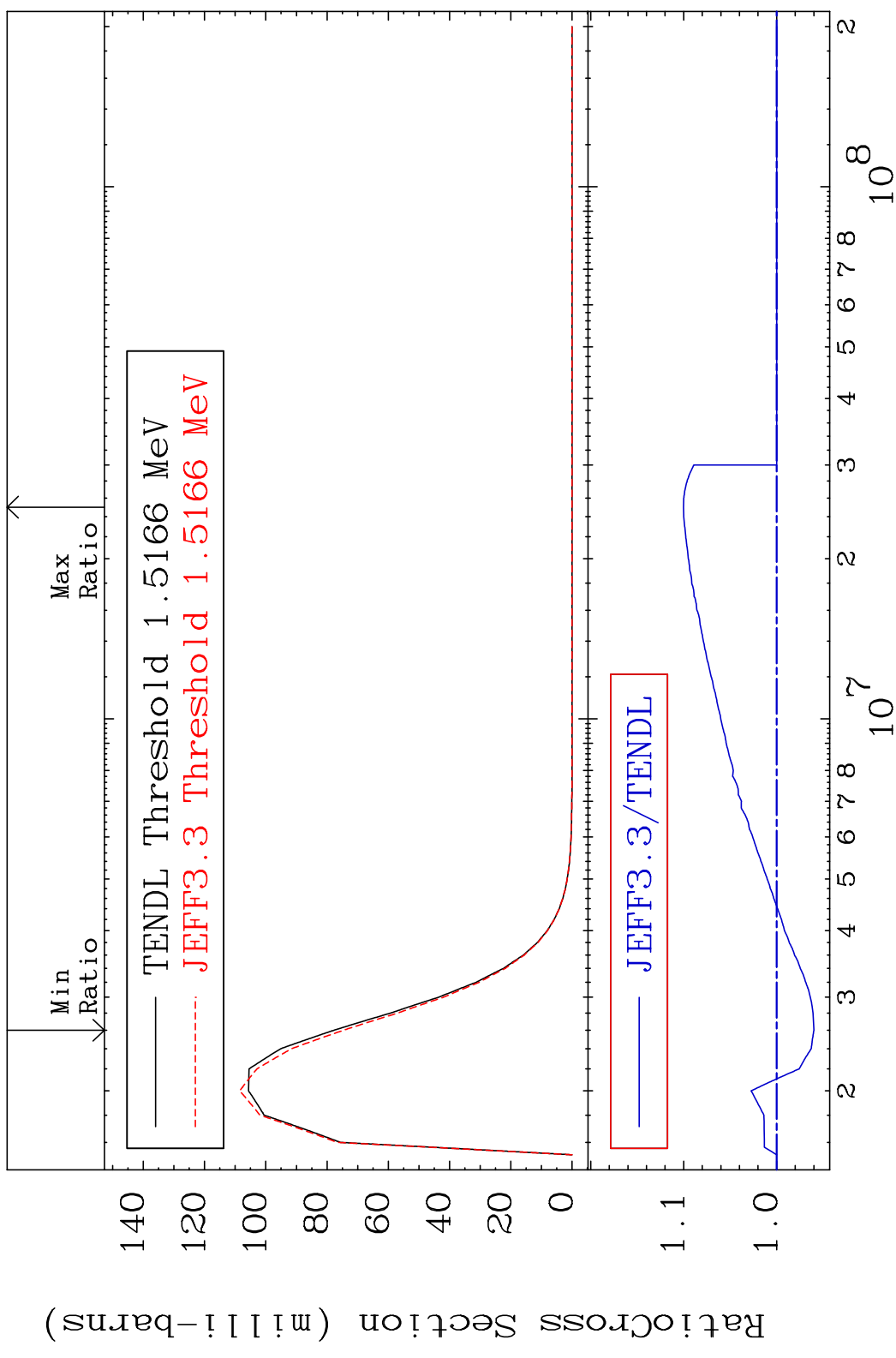


MAT 6028 MT= 55 (n, n') Level 60-Nd-143
 Cross Section -10.44 To 1.162 %

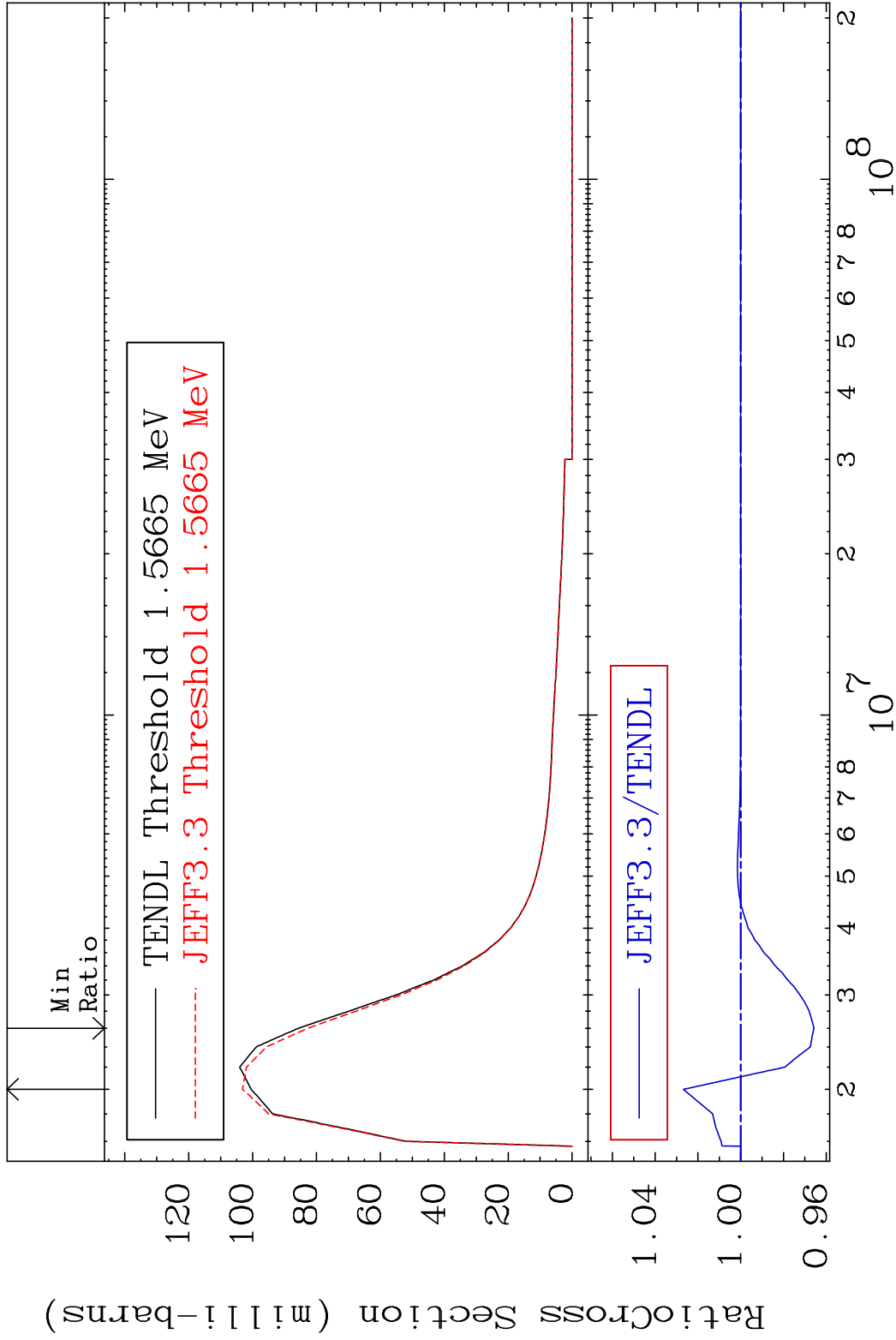


24 60-Nd-143

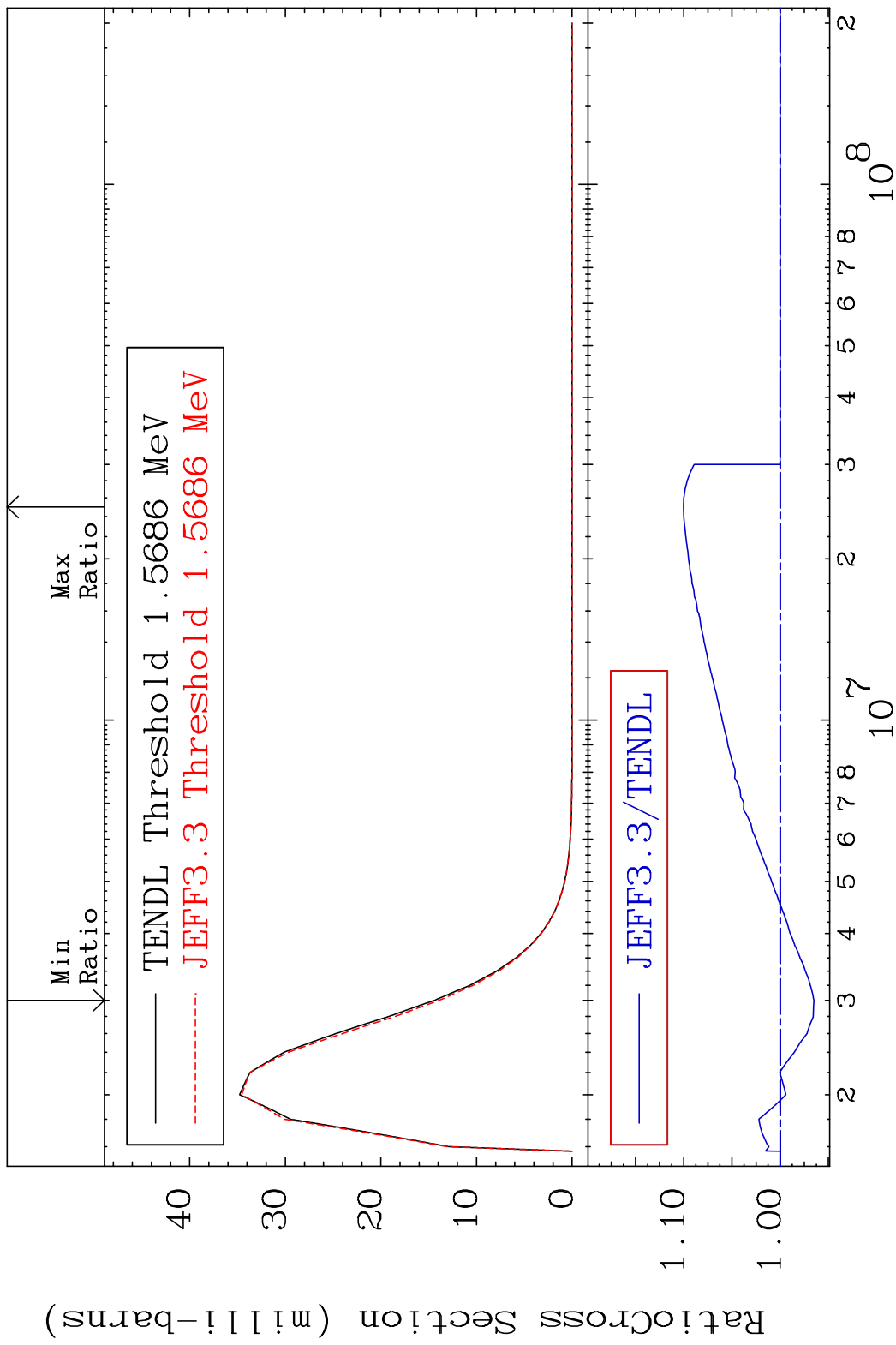
MAT 6028 MT= 56 (n, n') Level 60-Nd-143
 Cross Section -4.002 To 10.02 %



MAT 6028 MT= 57 (n, n') Level 60-Nd-143
 Cross Section -3.420 To 2.677 %

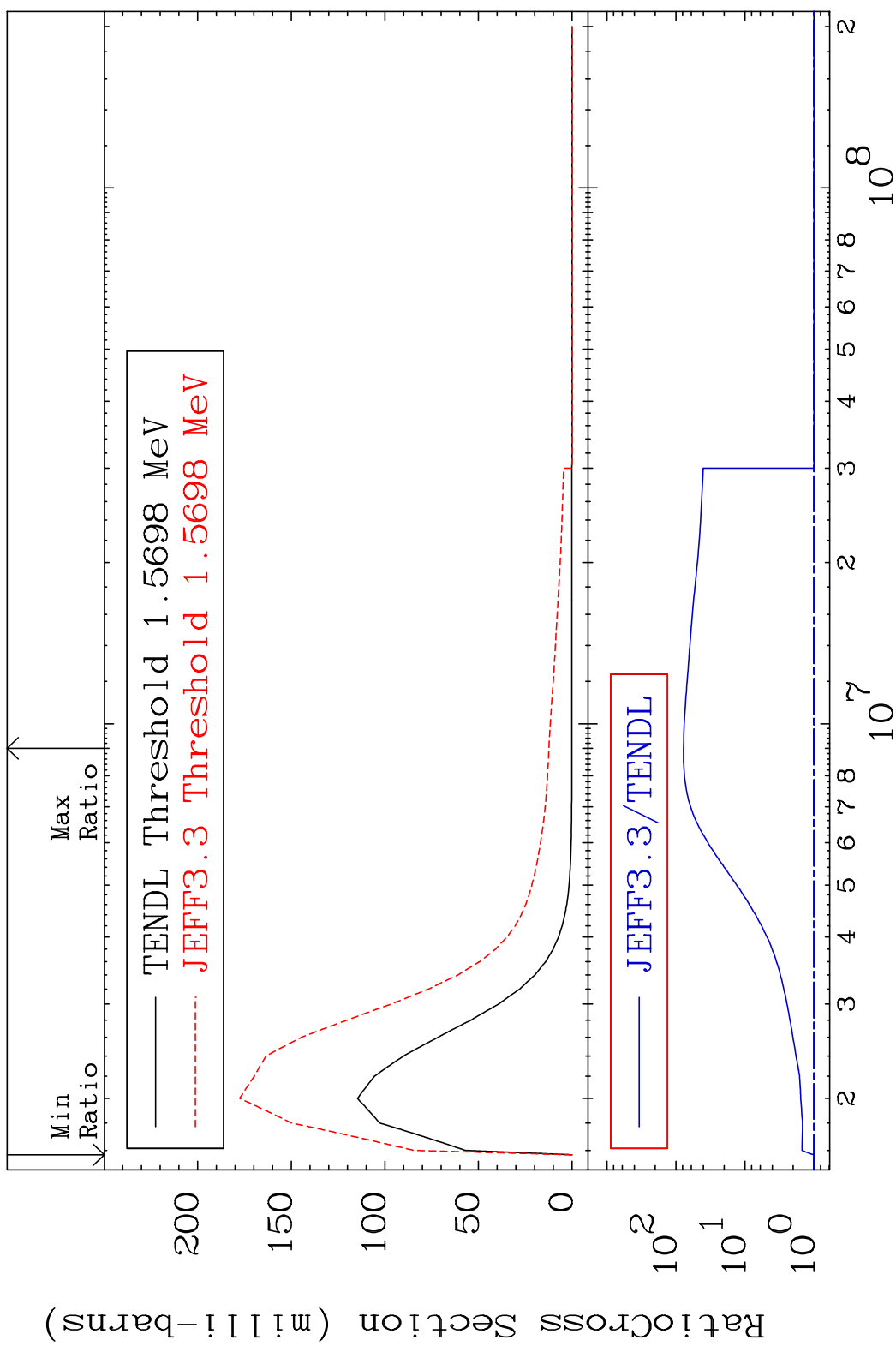


MAT 6028 MT= 58 (n, n') Level 60-Nd-143
 Cross Section -3.493 To 10.03 %

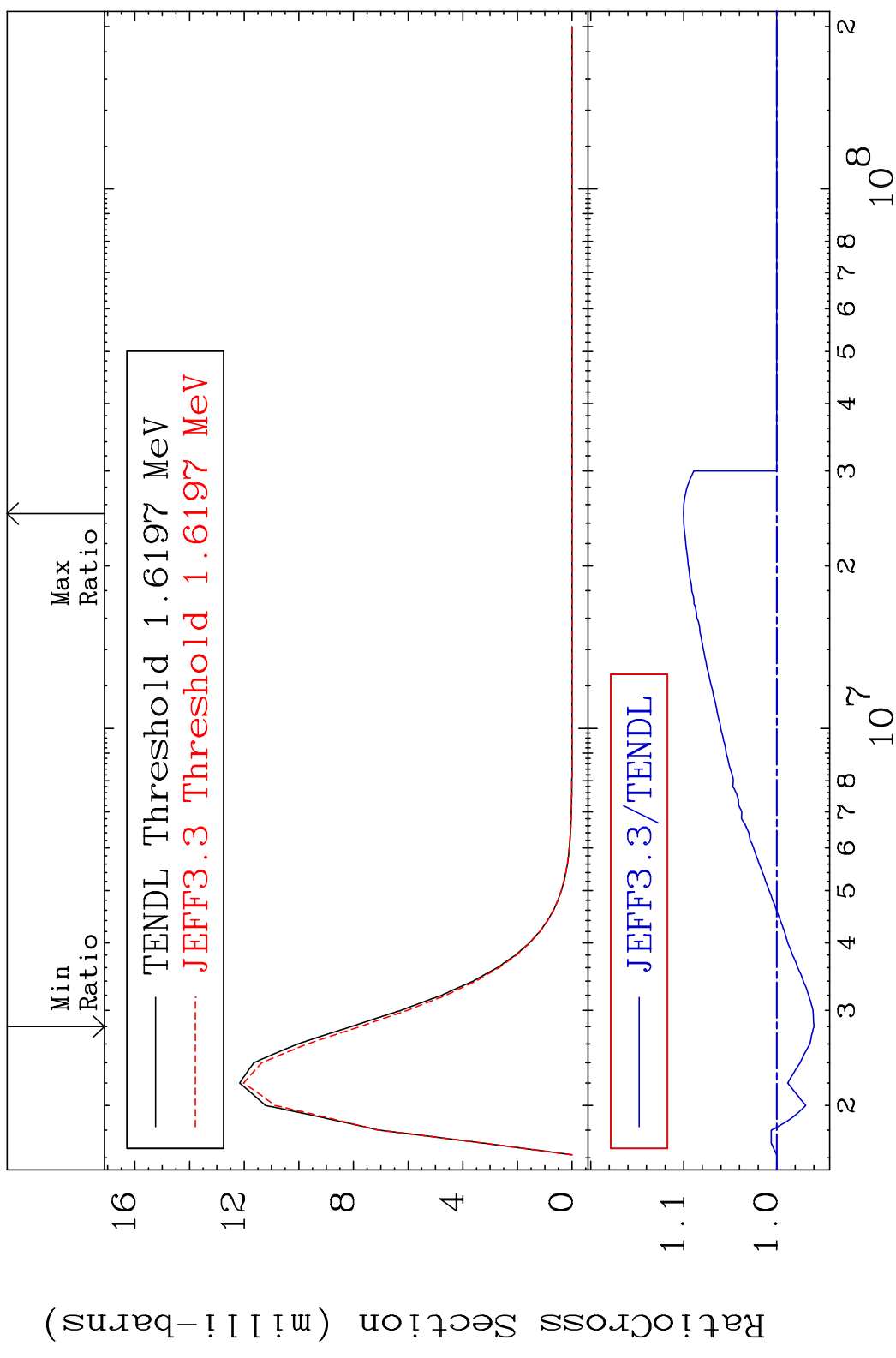


27 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 59 (n, n') Level 60-Nd-143
 Cross Section 0.000 To 7689. %

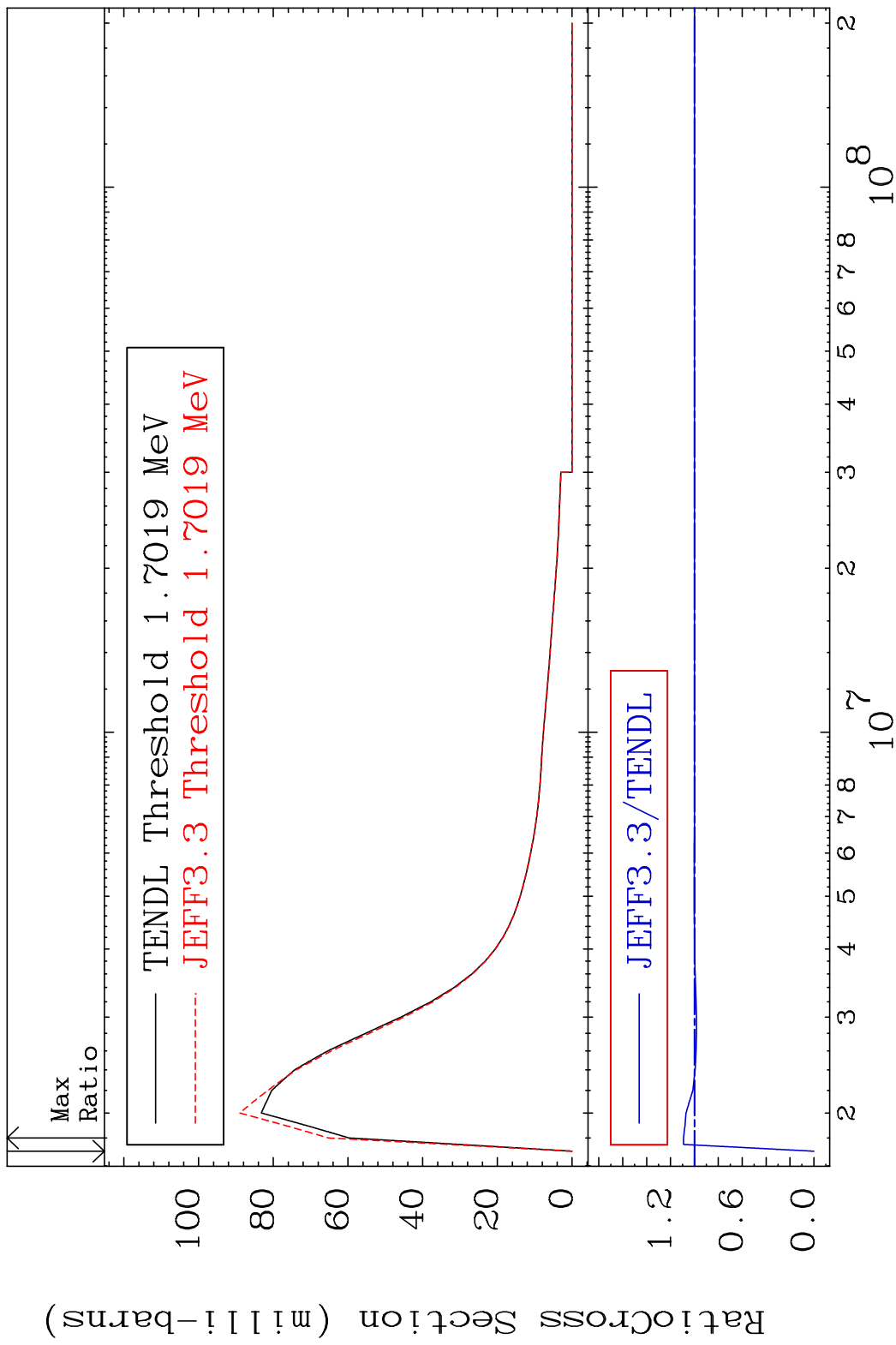


MAT 6028 MT= 60 (n, n') Level 60-Nd-143
 Cross Section -3.999 To 10.03 %



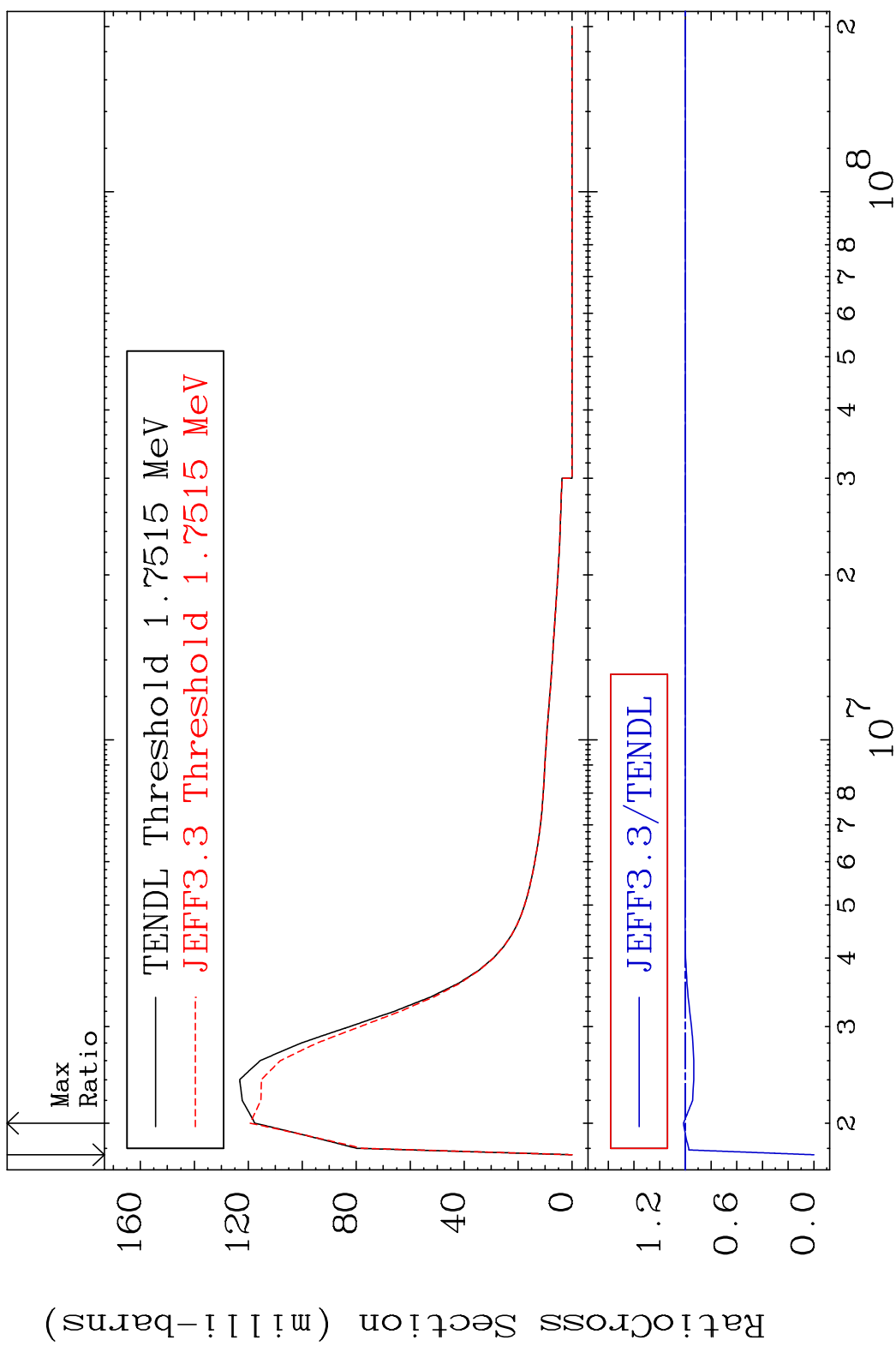
29 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 61 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 9.169 %

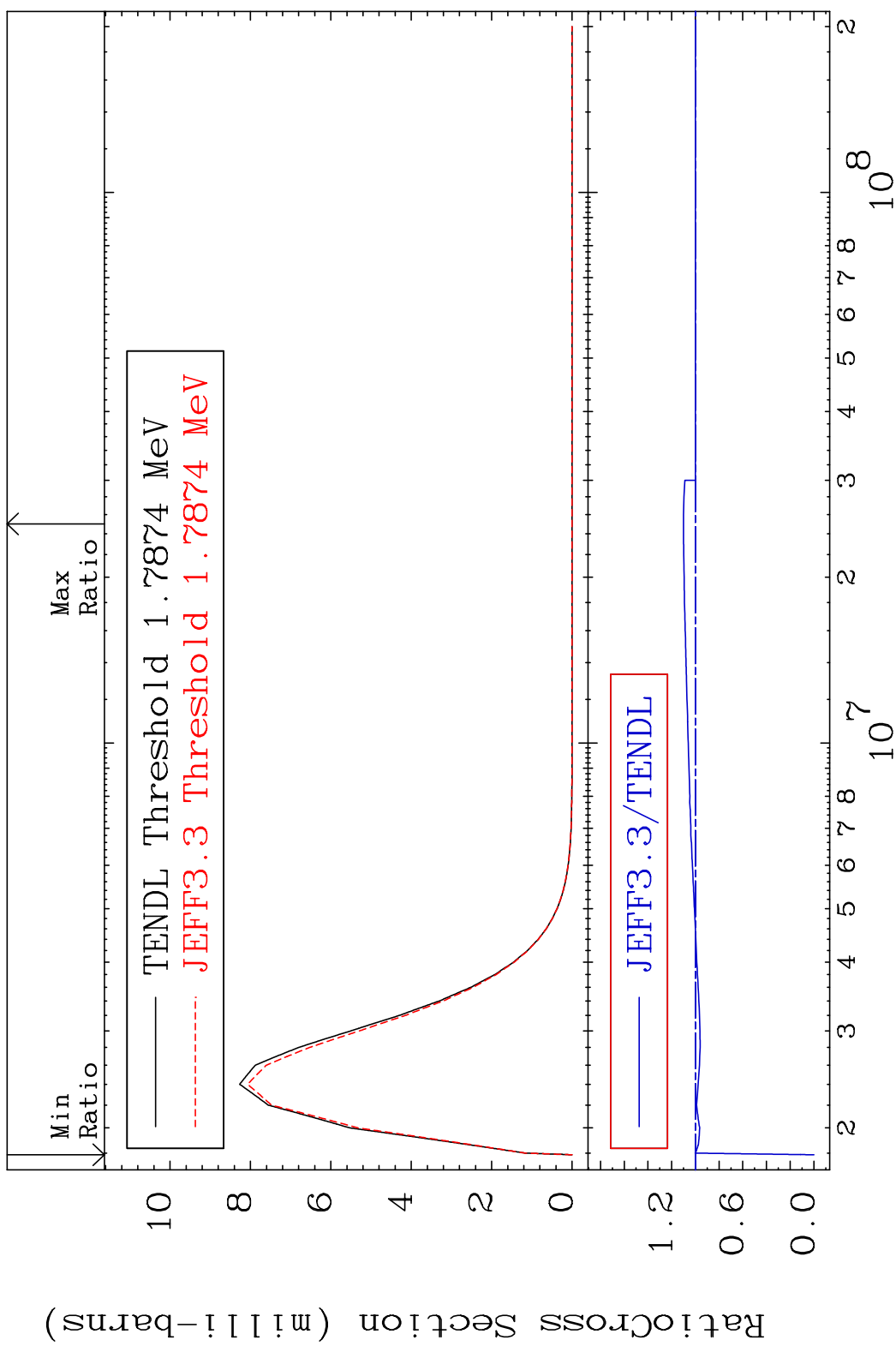


30 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 62 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 1.478 %

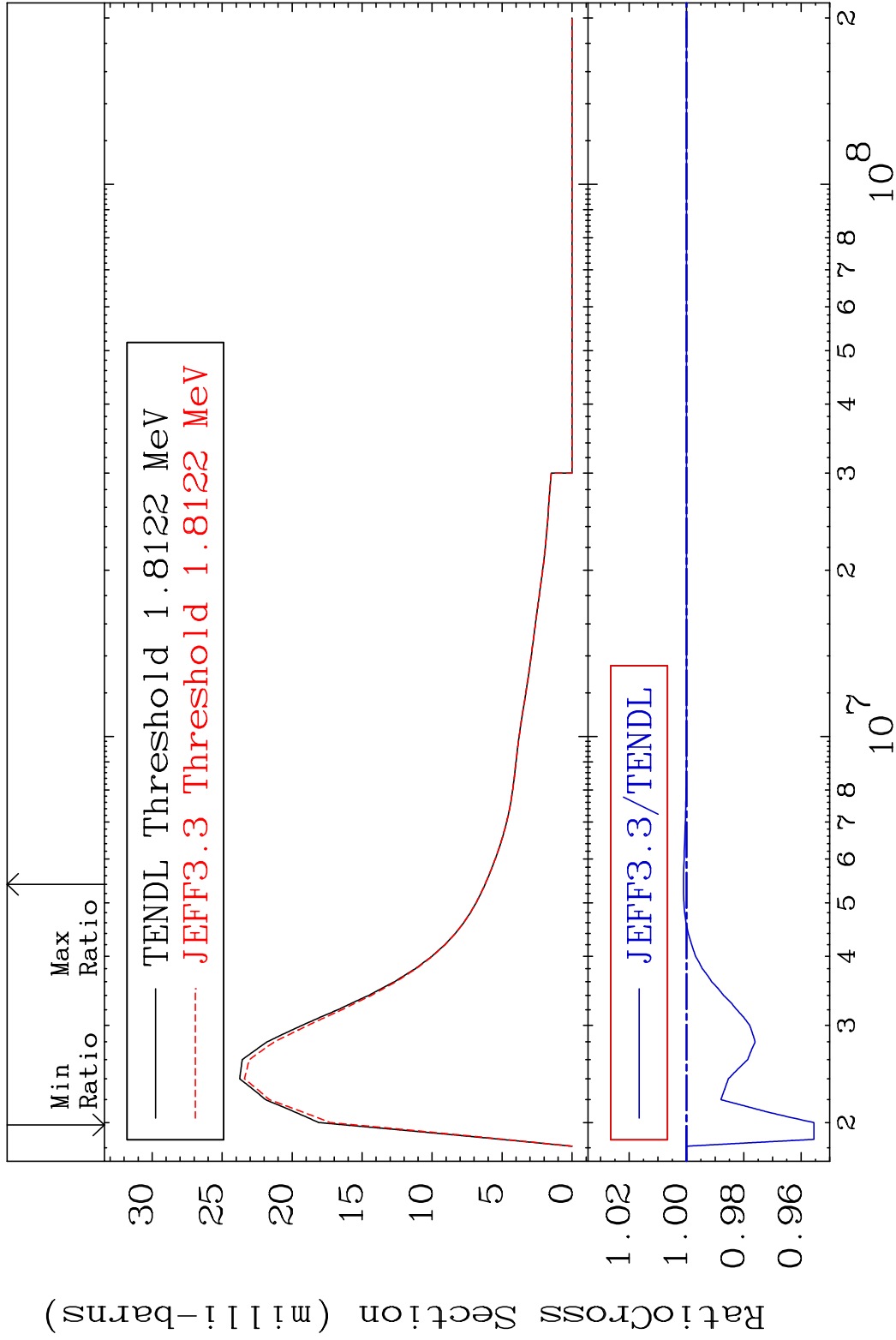


MAT 6028 MT= 63 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 10.03 %



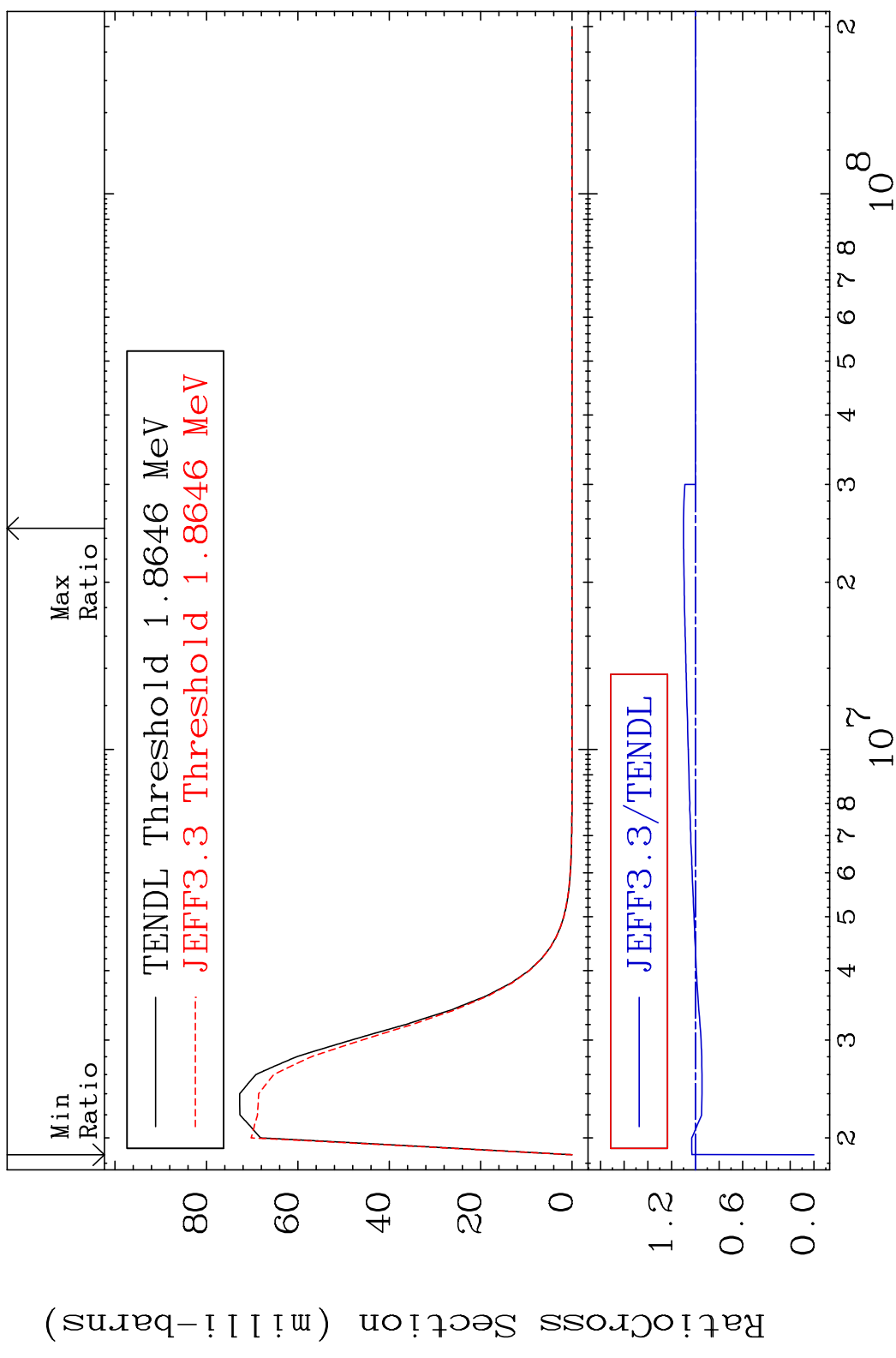
32 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 64 (n, n') Level 60-Nd-143
 Cross Section -4.446 To 0.107 %



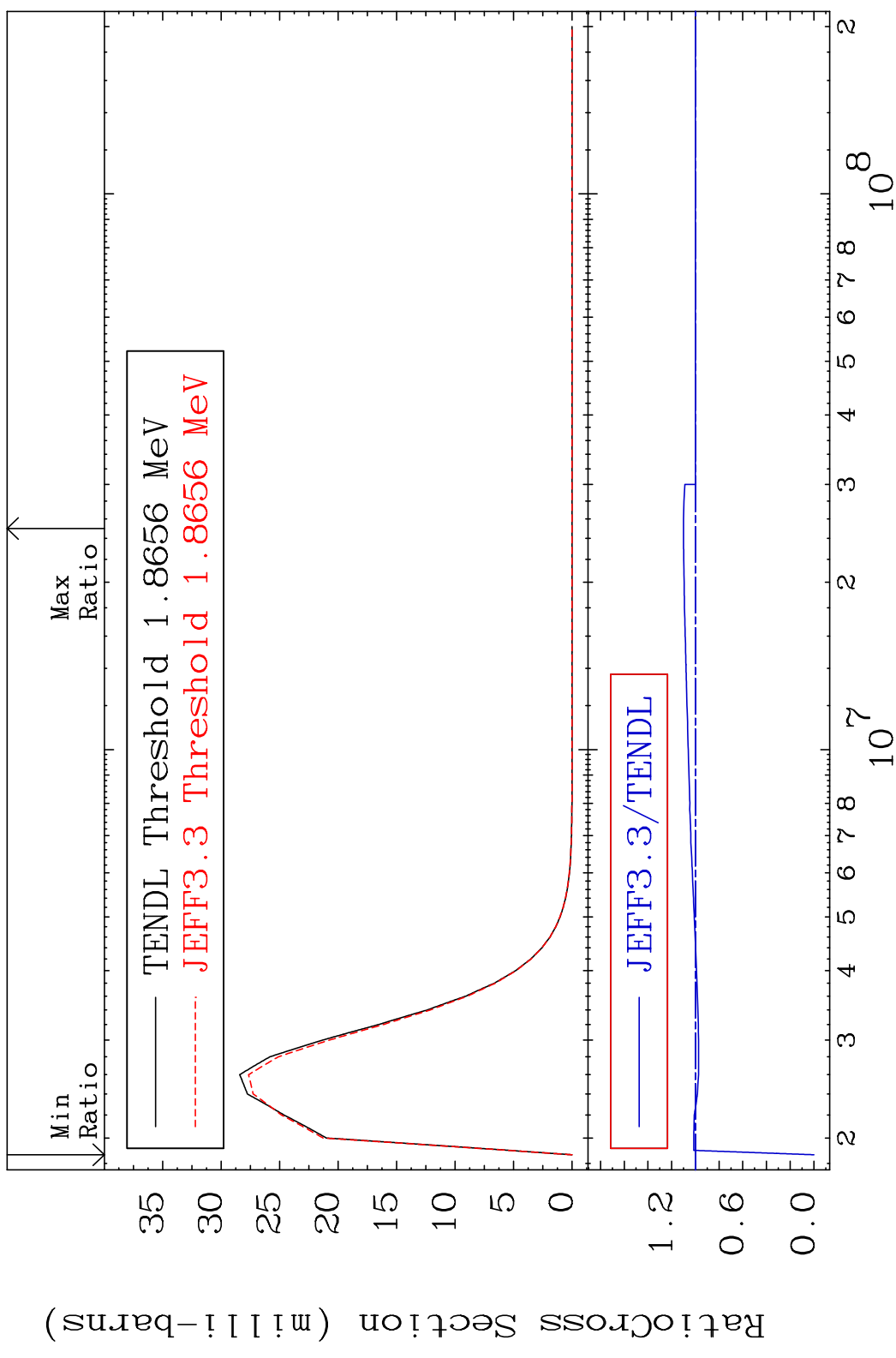
33 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 65 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 10.02 %



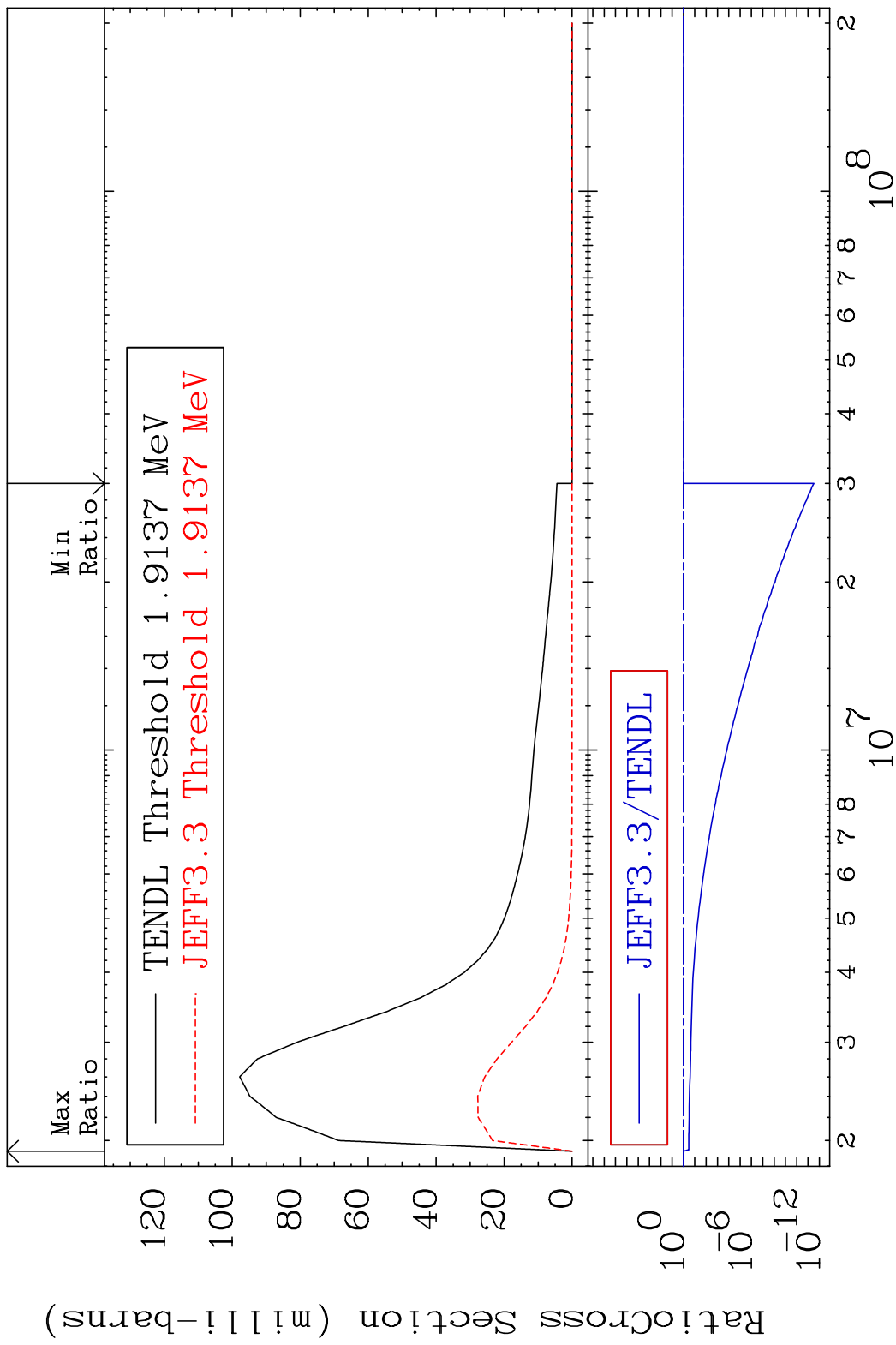
34 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 66 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 10.03 %



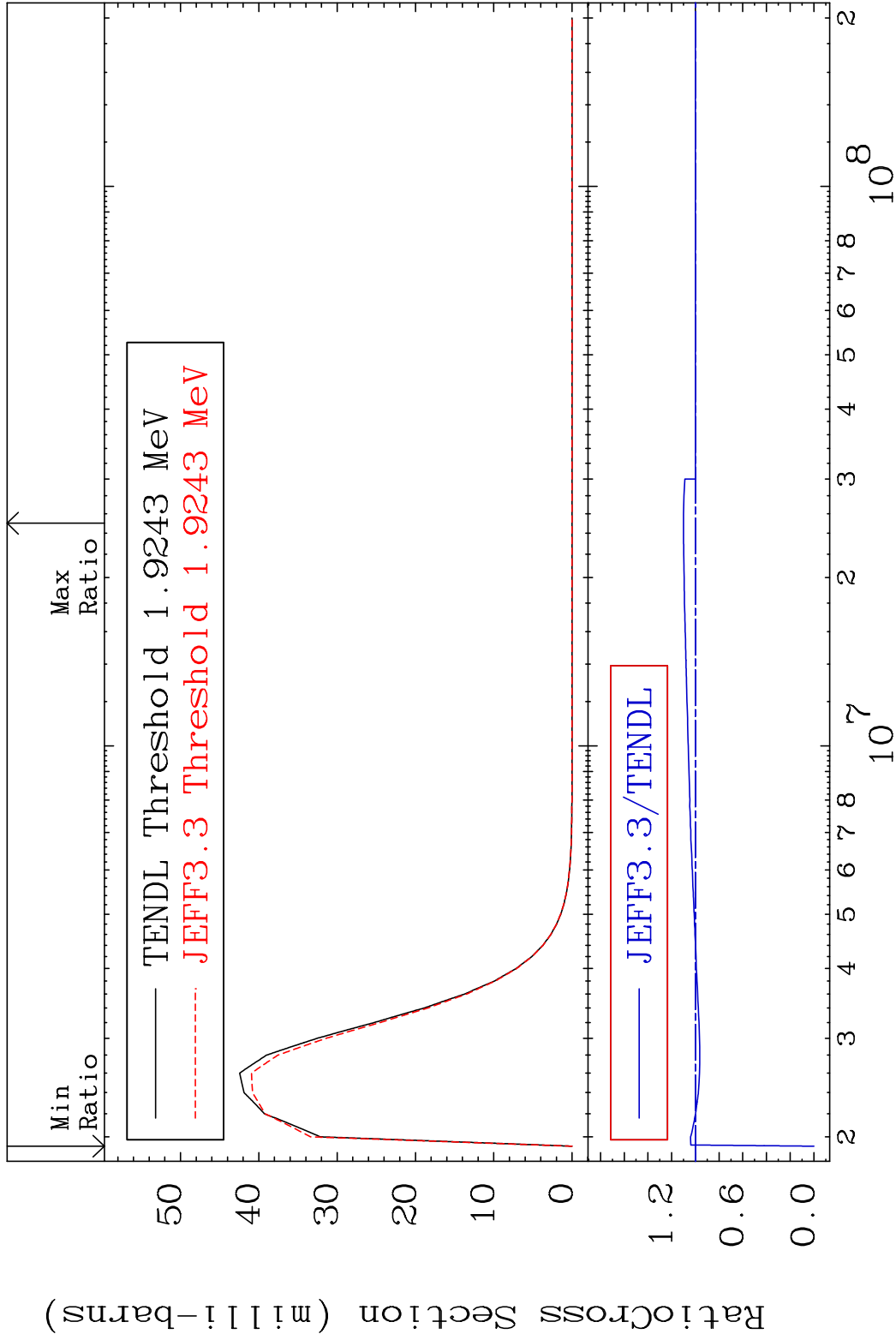
35 60-Nd-143

MAT 6028 MT= 67 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 0.000 %



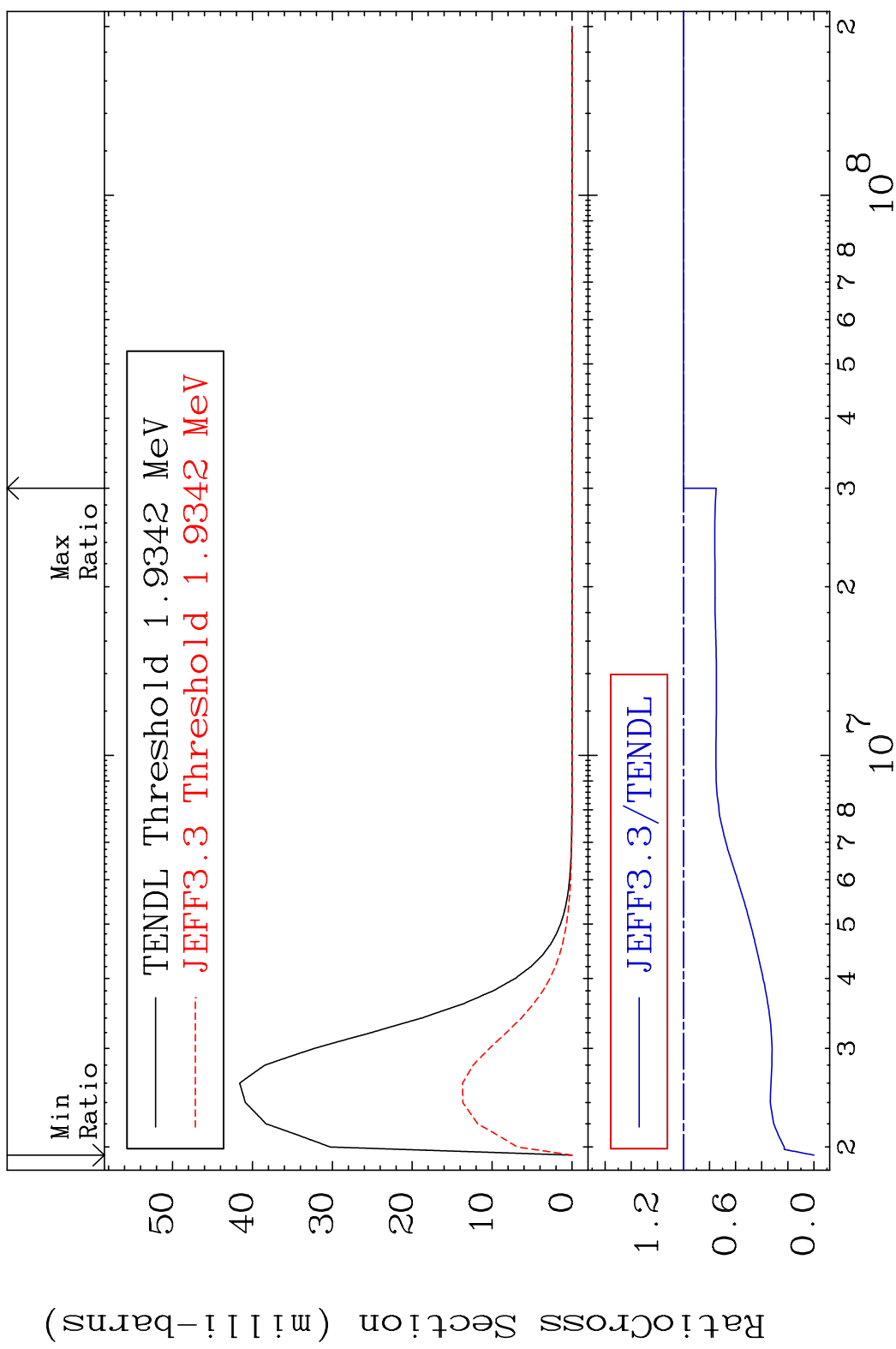
36 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 68 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 10.02 %

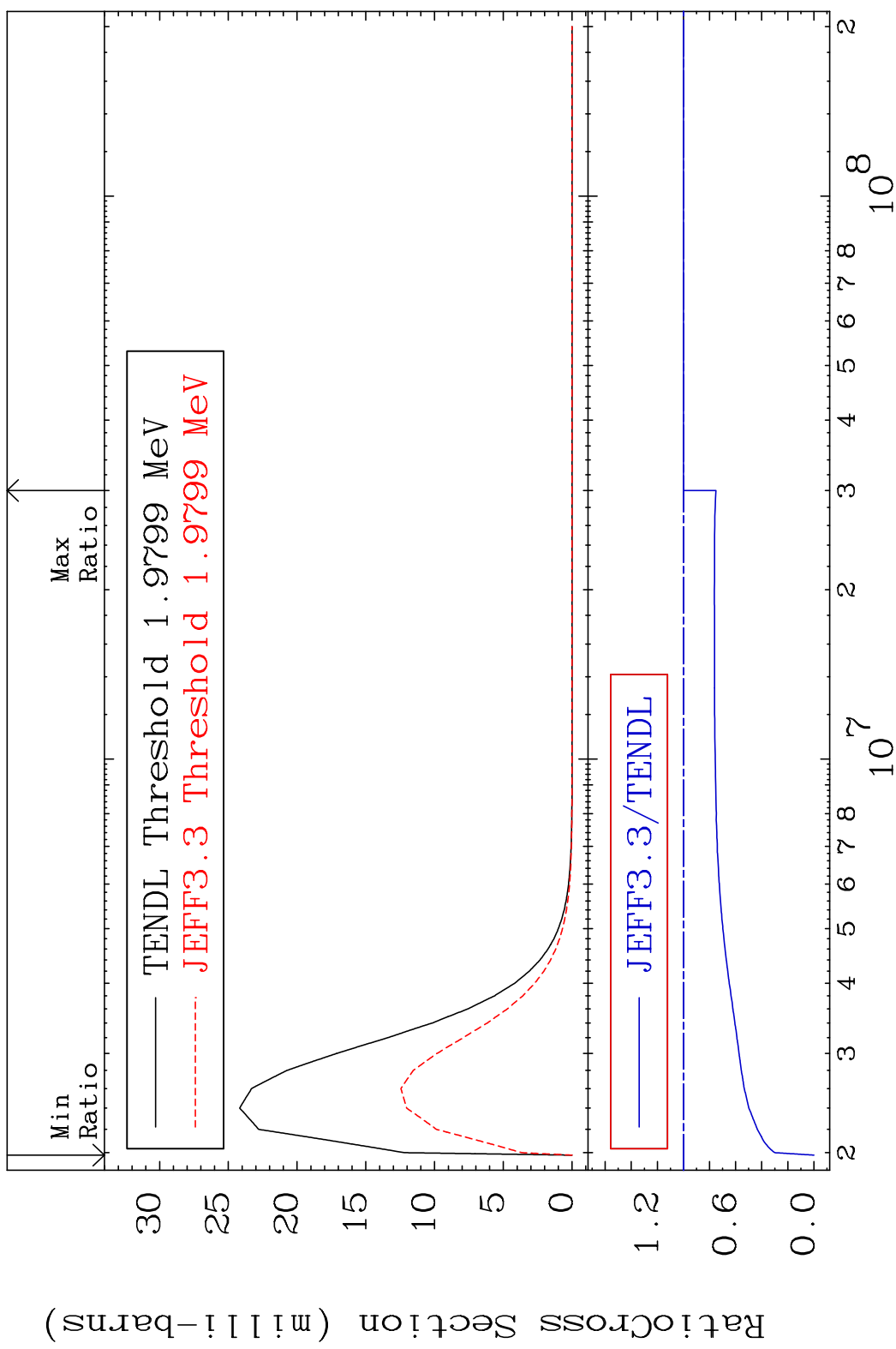


37 Incident Energy (eV) 60-Nd-143

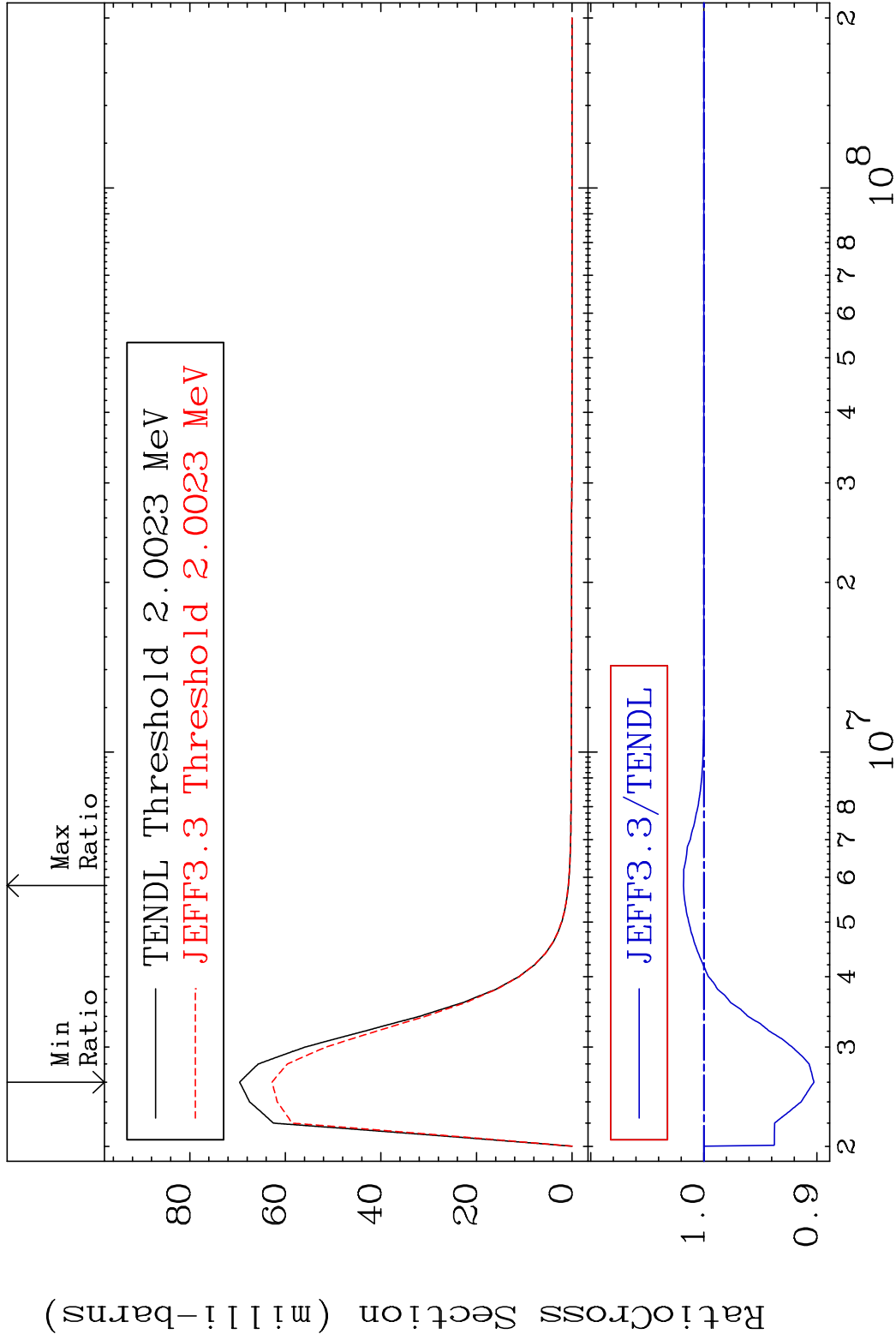
MAT 6028 MT= 69 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 0.000 %



MAT 6028 MT= 70 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 0.000 %

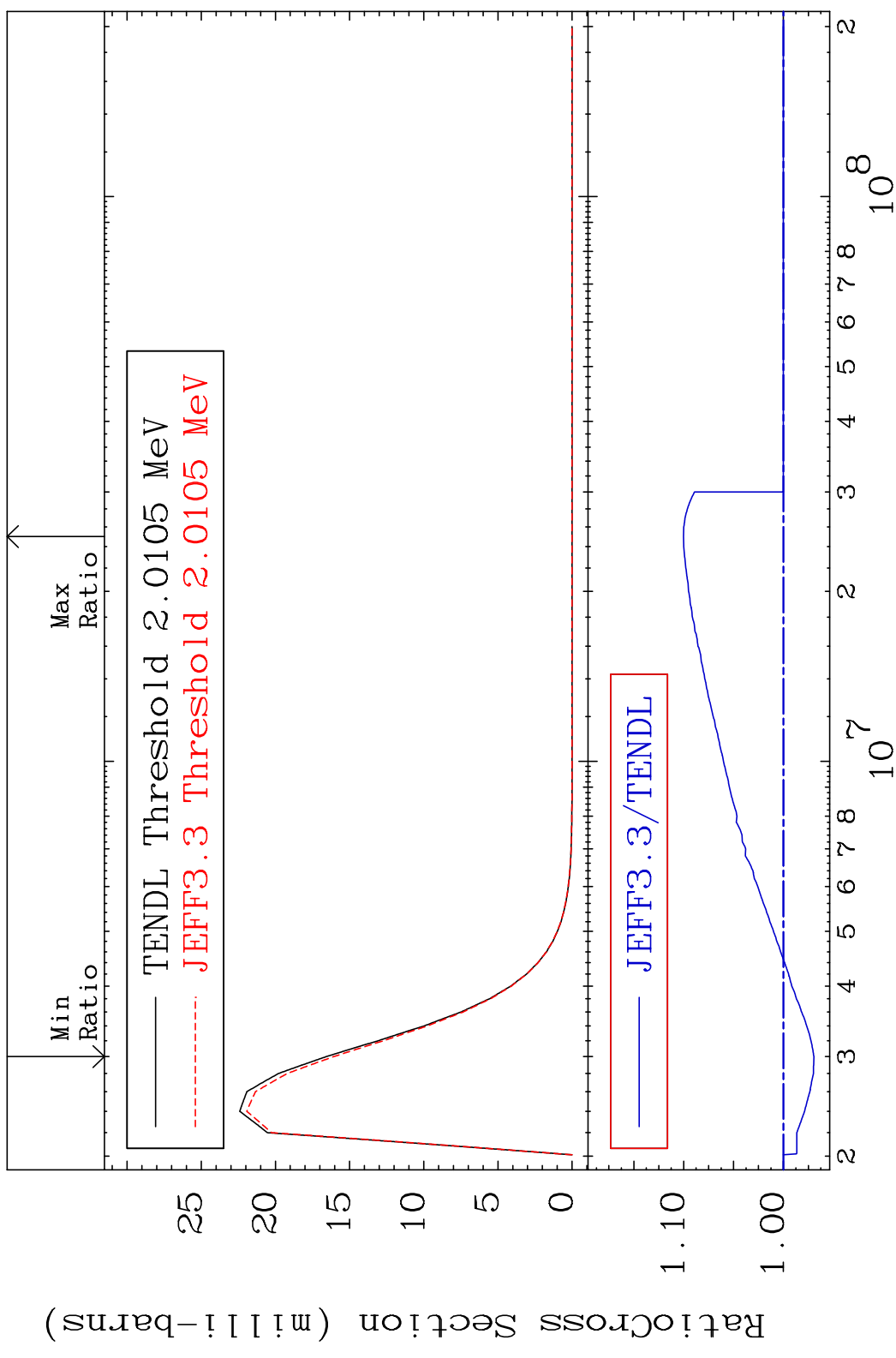


MAT 6028 MT= 71 (n, n') Level 60-Nd-143
 Cross Section -9.724 To 1.805 %



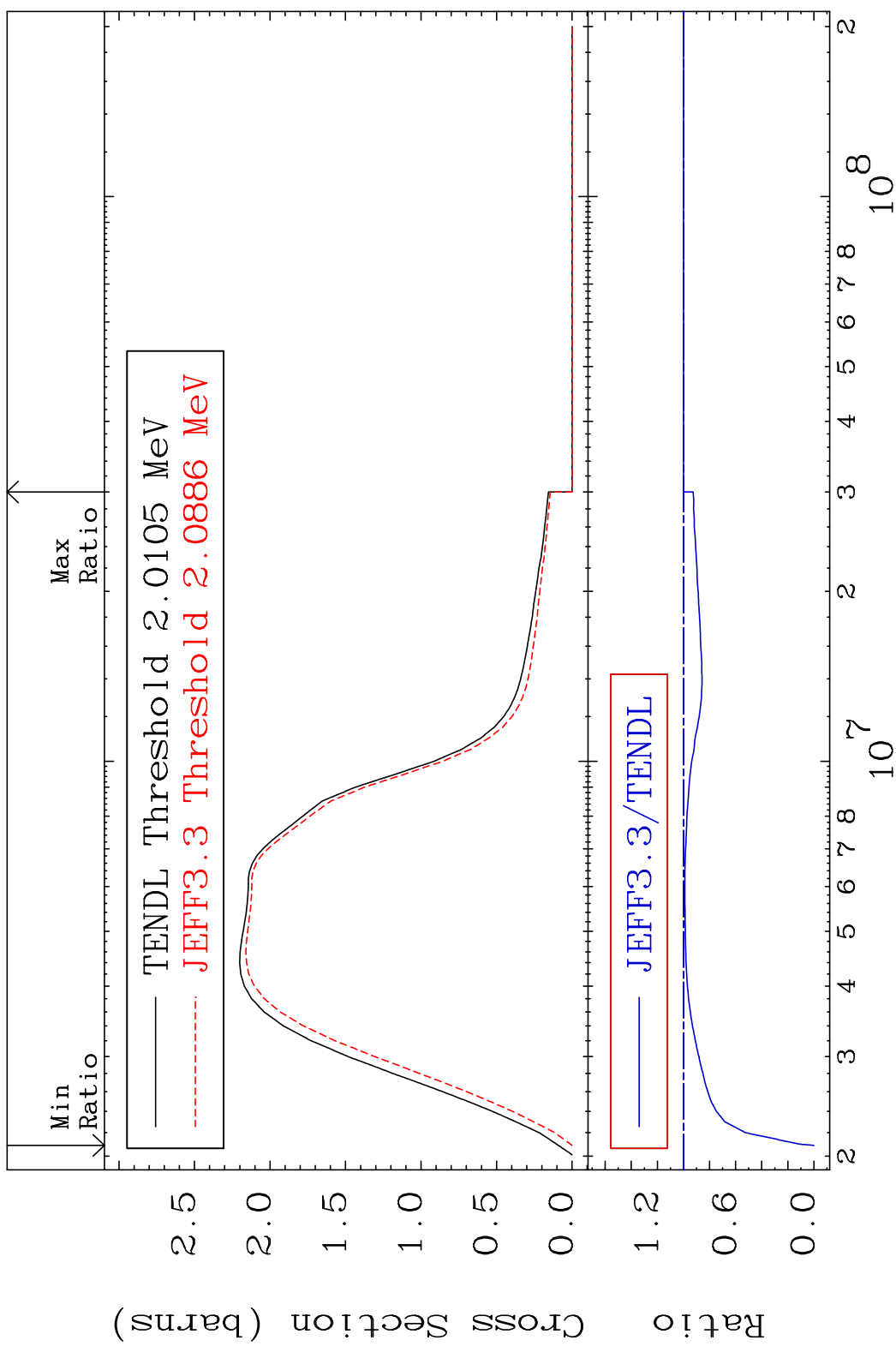
40 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 72 (n, n') Level 60-Nd-143
 Cross Section -3.055 To 10.02 %

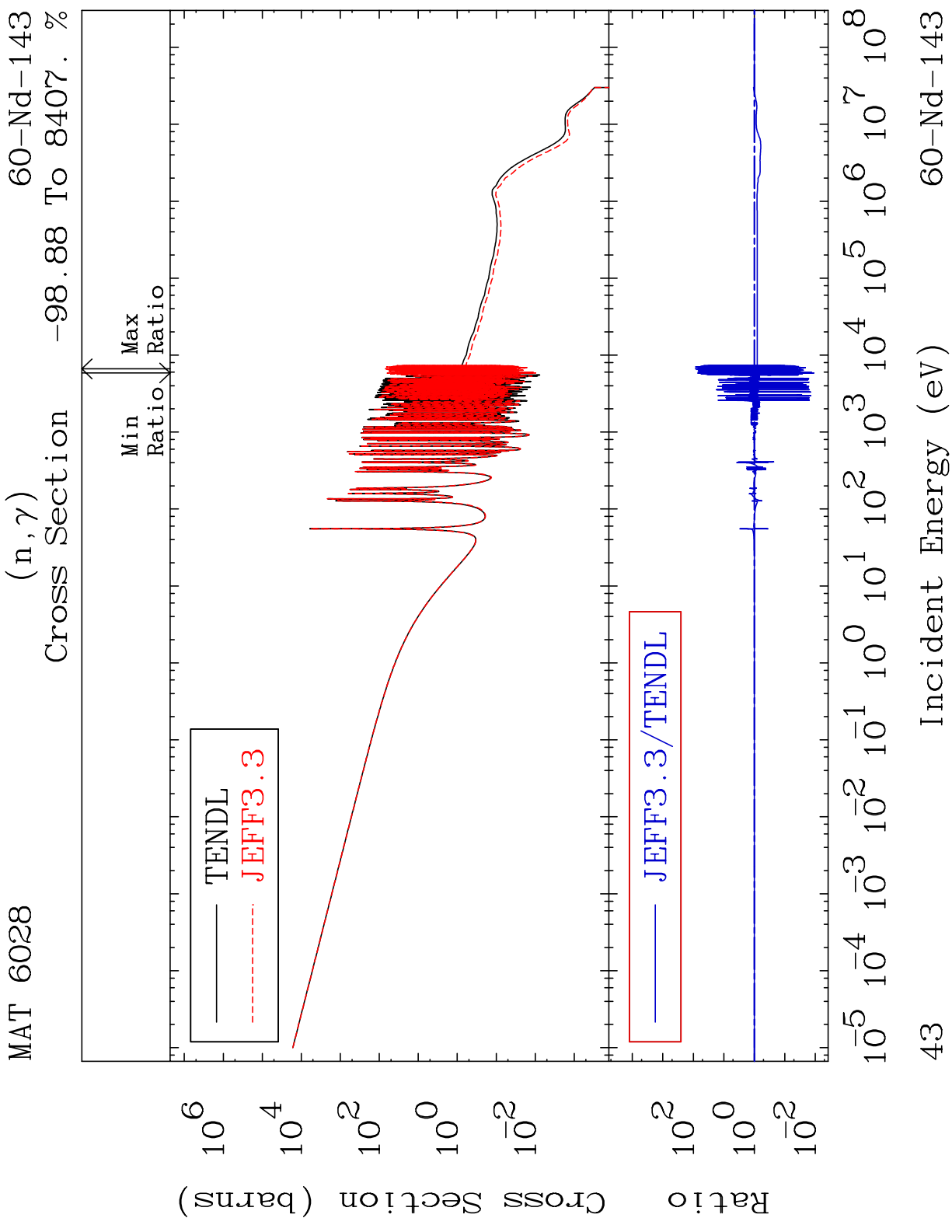


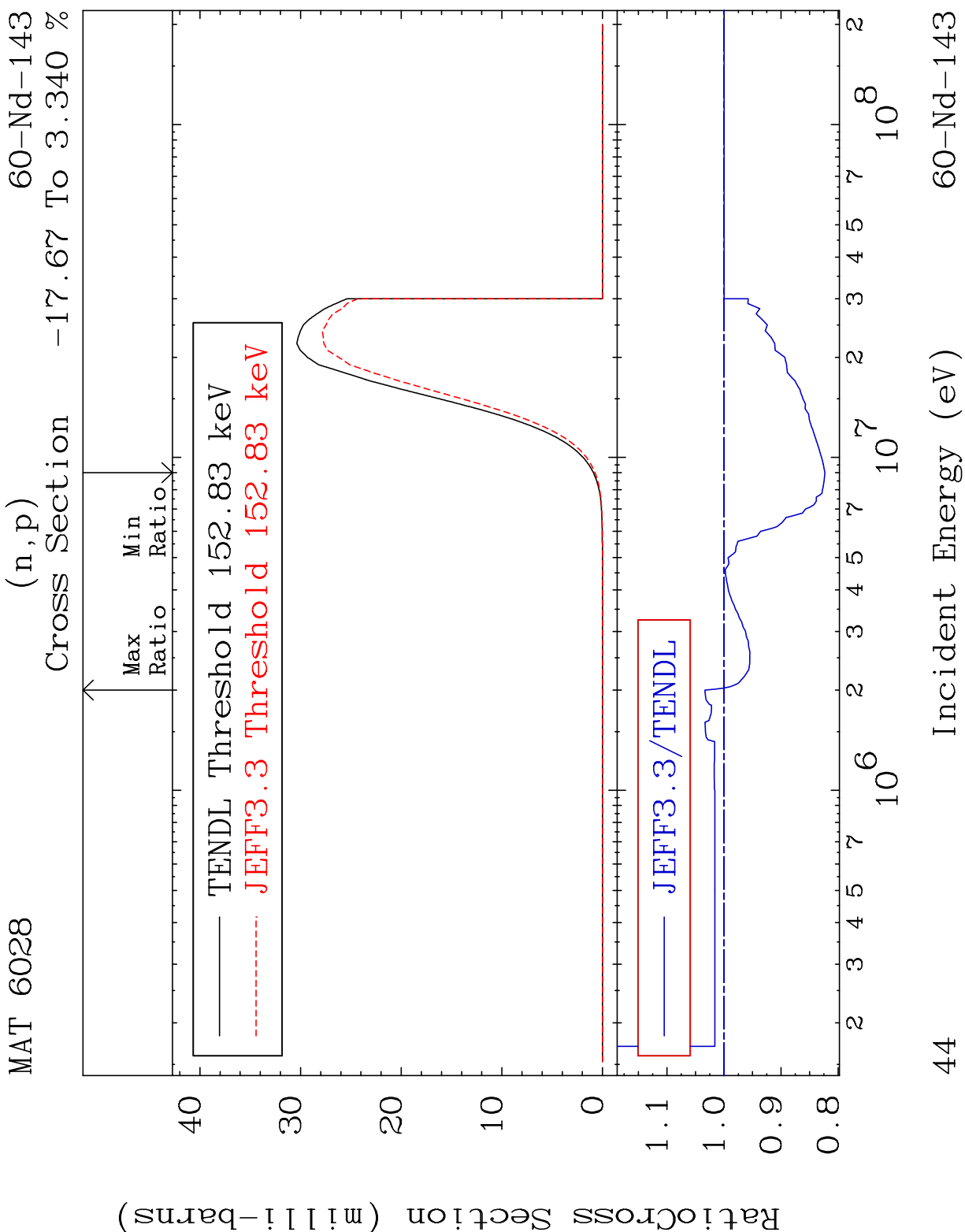
41 Incident Energy (eV) 60-Nd-143

MAT 6028 (n, n') Continuum 60-Nd-143
 Cross Section -100.0 To 0.000 %

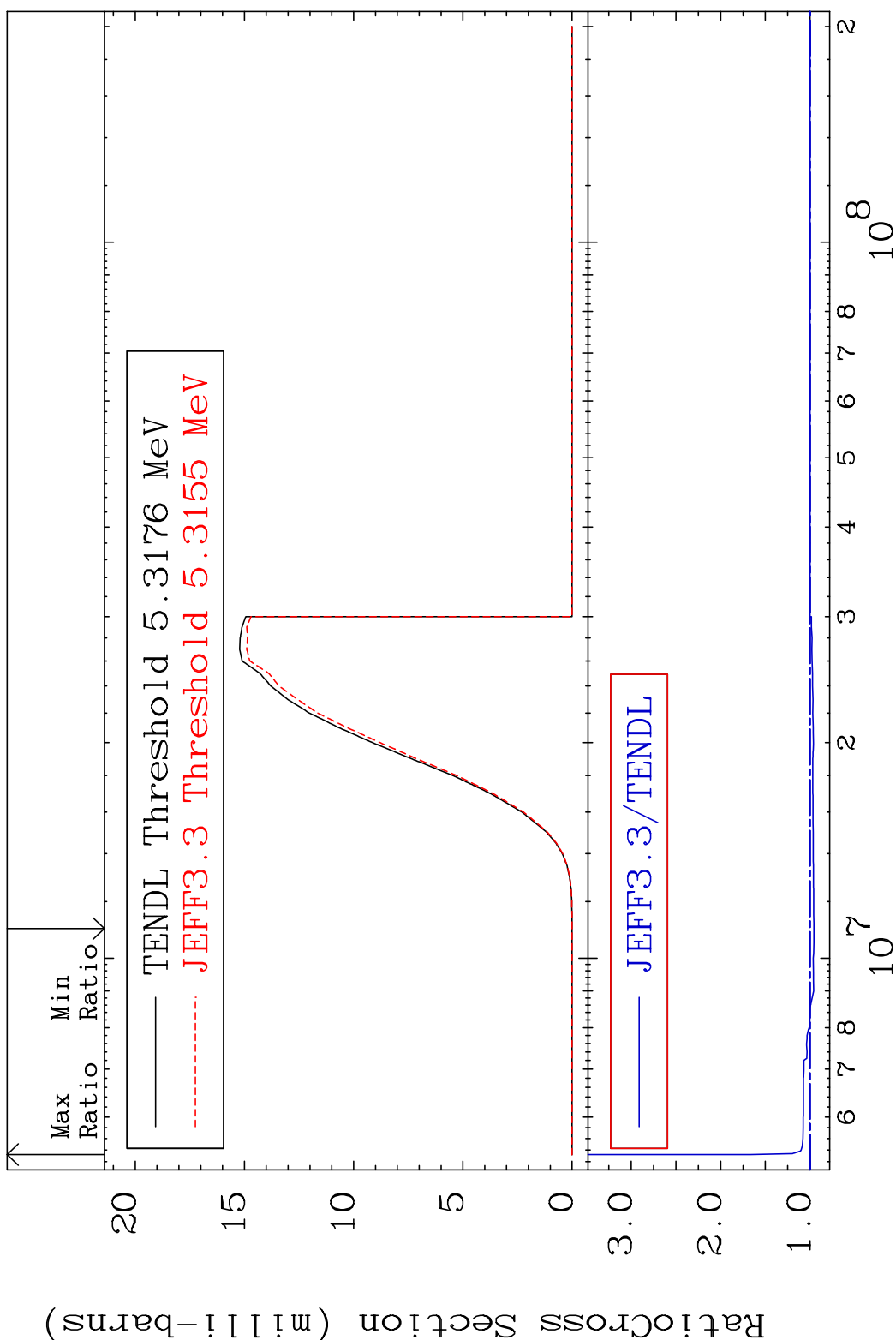


42 Incident Energy (eV) 60-Nd-143

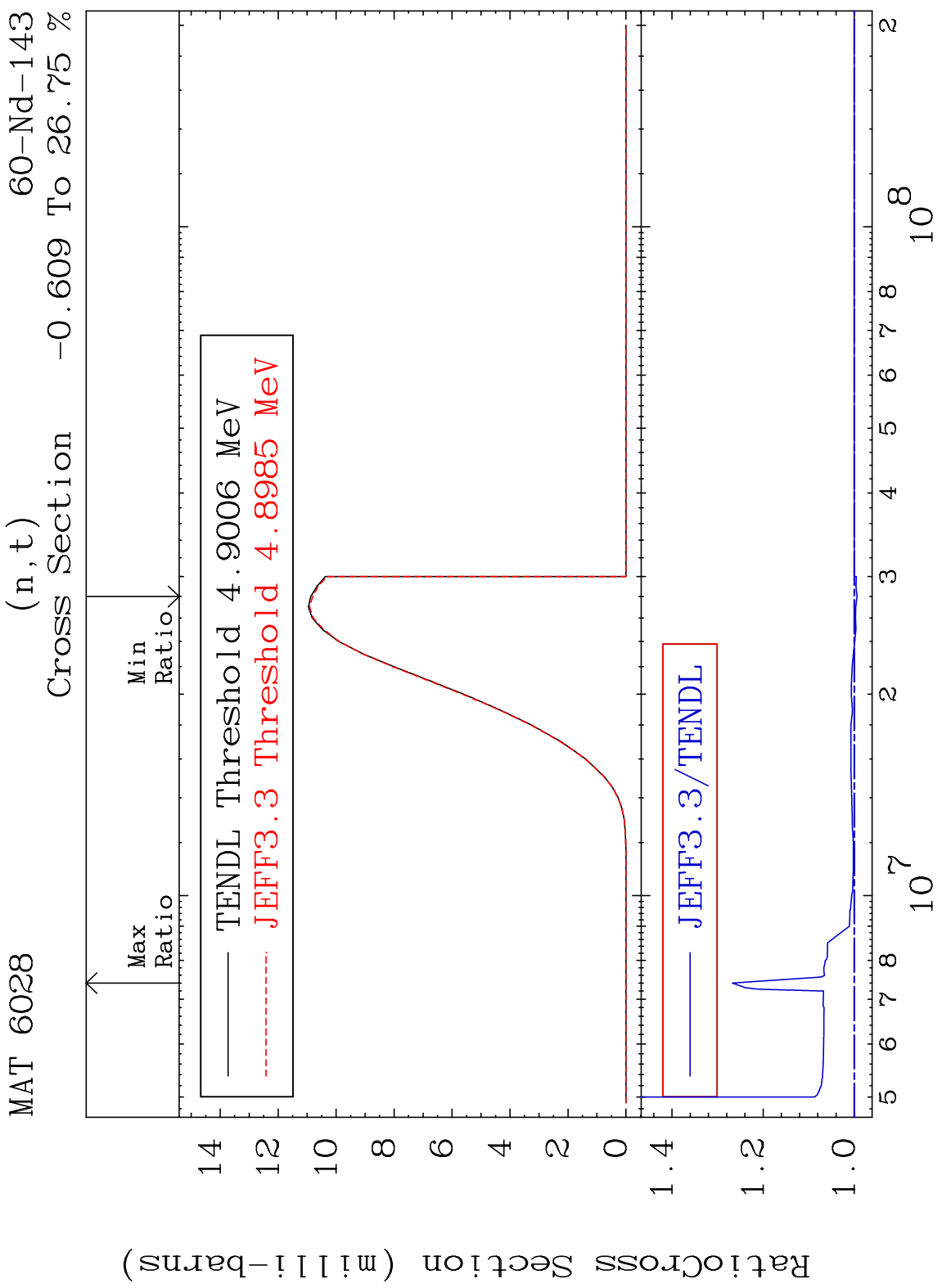




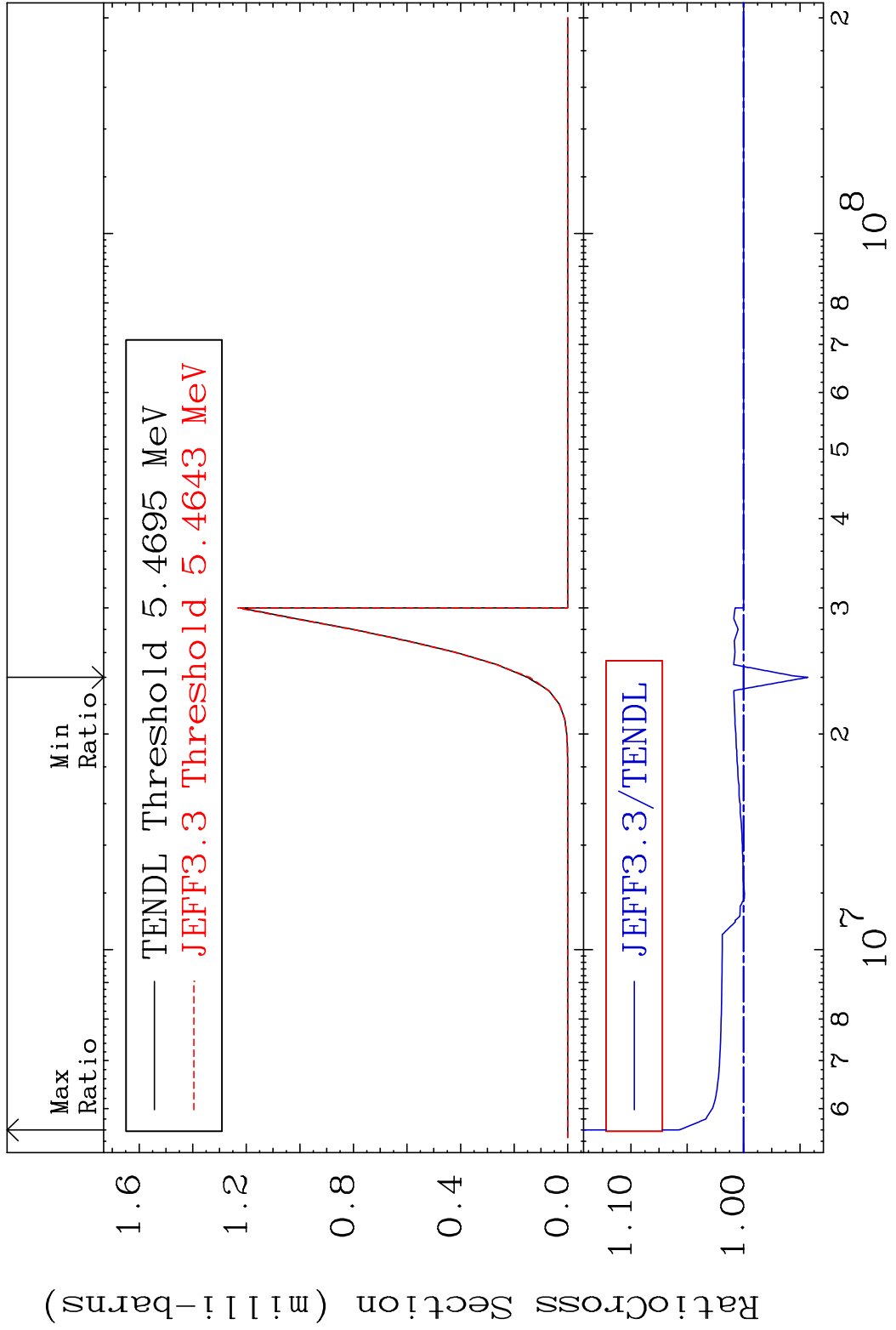
MAT 6028 (n, d) 60-Nd-143
 Cross Section -4.260 To 141.6 %



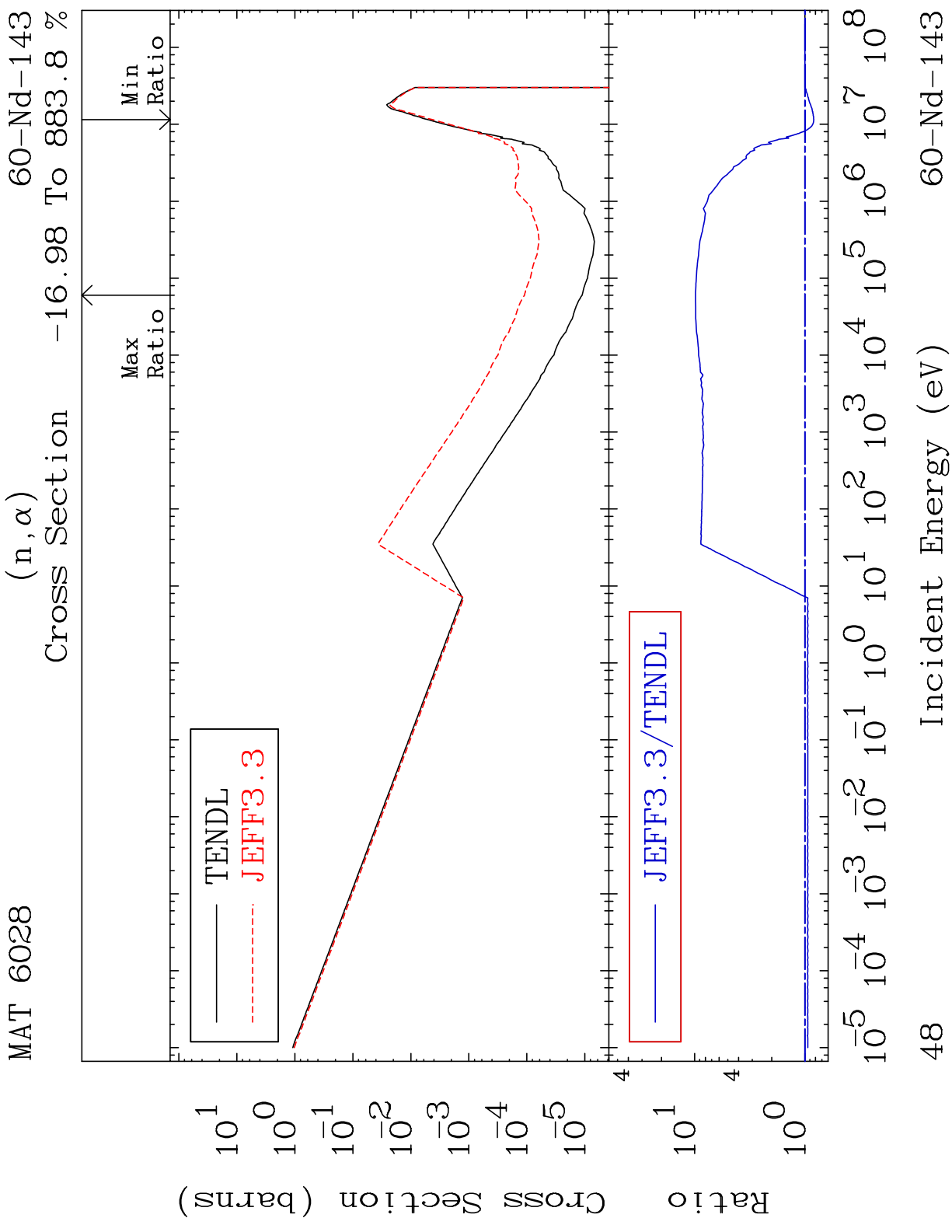
45 60-Nd-143



MAT 6028 (n, He-3) 60-Nd-143
 Cross Section -5.686 To 5.794 %



47 Incident Energy (eV) 60-Nd-143

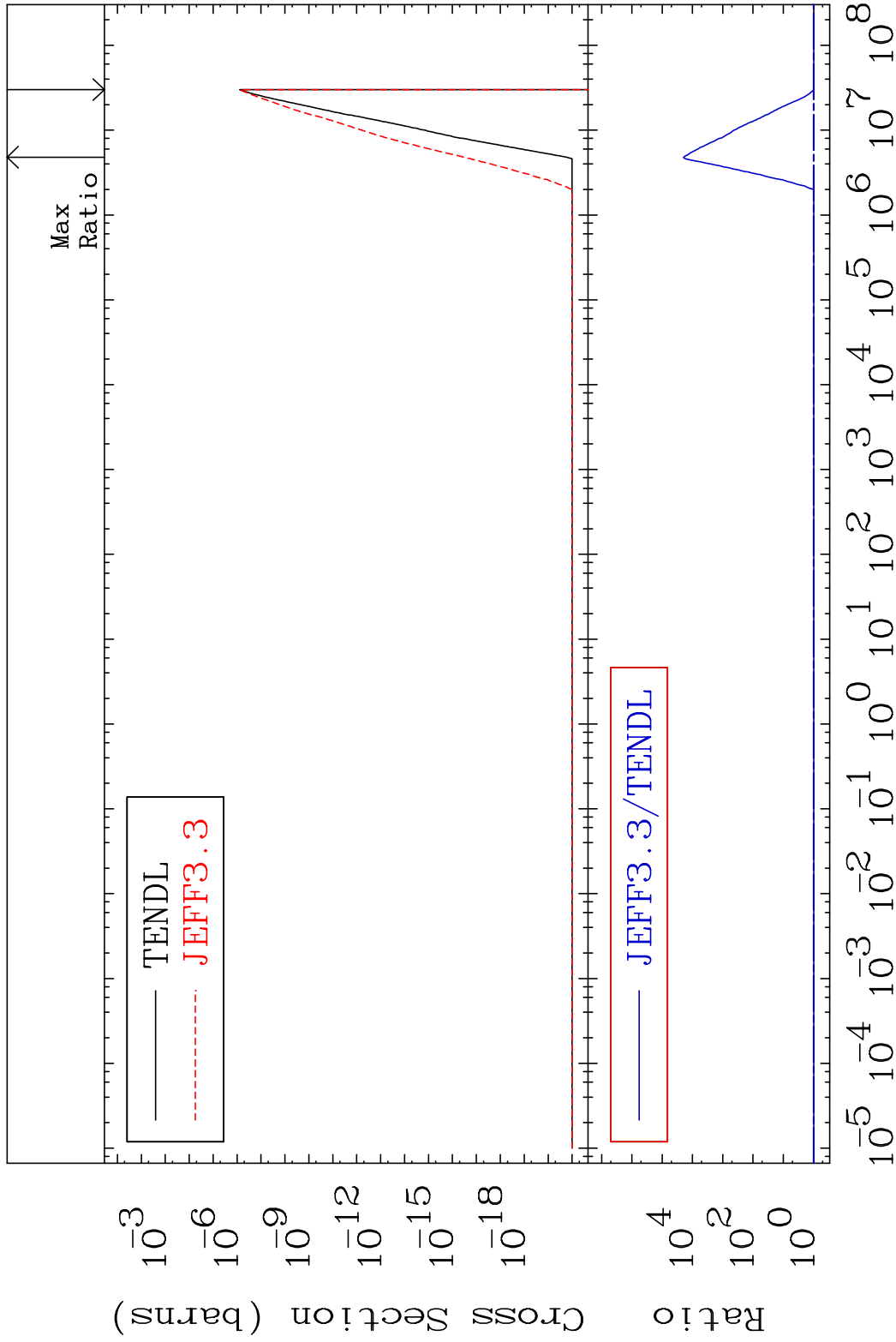


MAT 6028

(n,2α)

60-Nd-143

Cross Section -2.198 To 9999. %

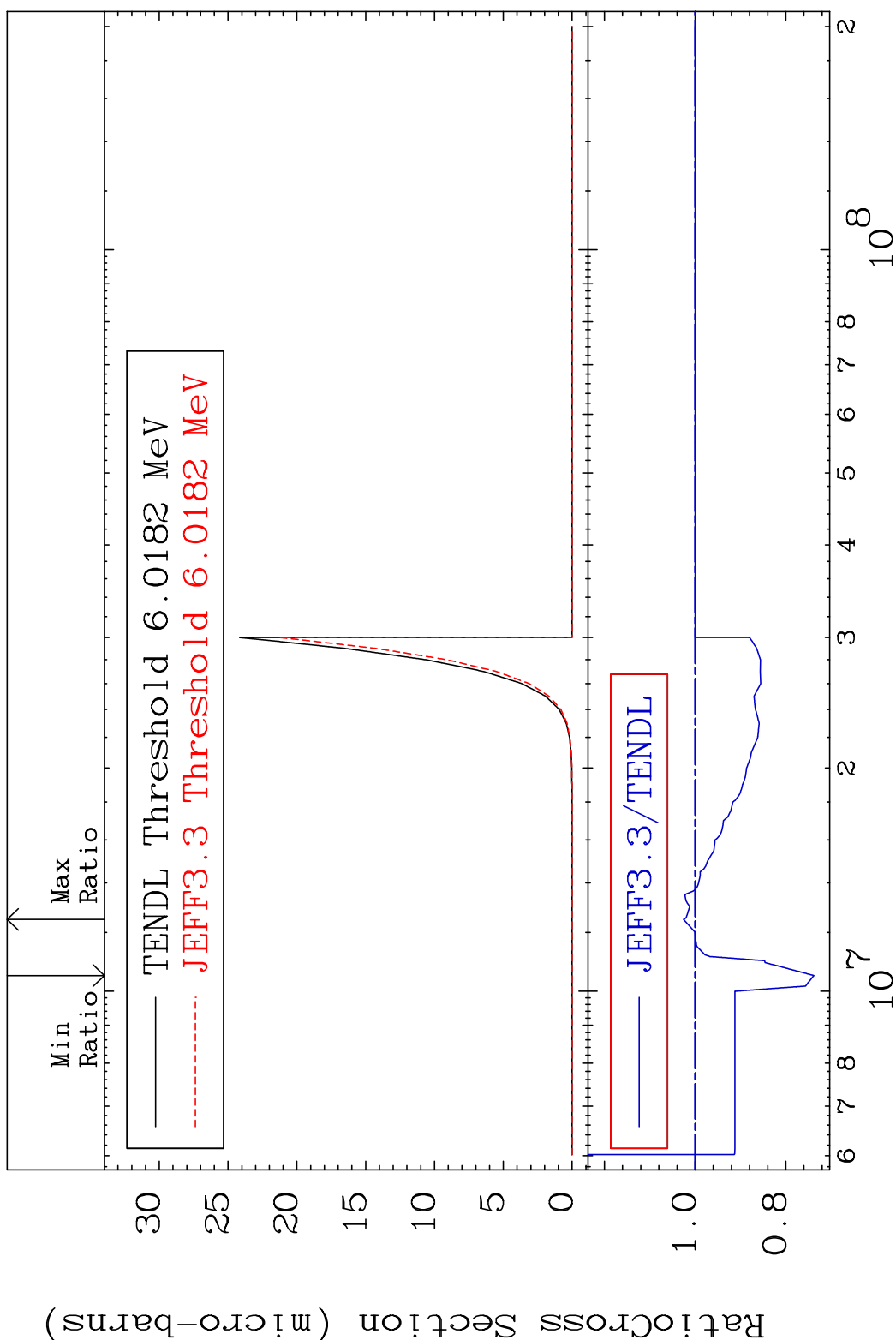


49

Incident Energy (eV)

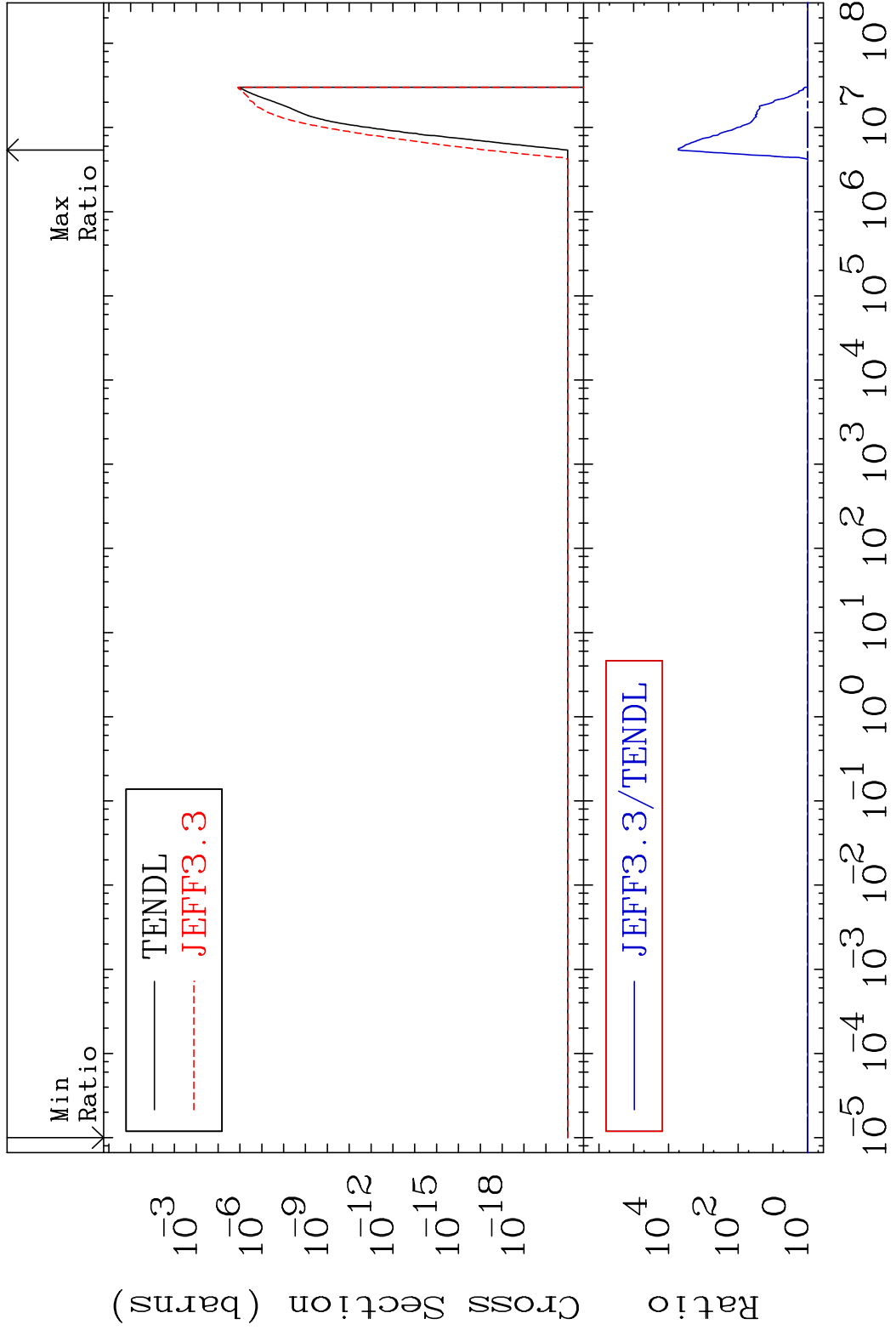
60-Nd-143

MAT 6028 (n,2p) 60-Nd-143
 Cross Section -26.19 To 2.572 %

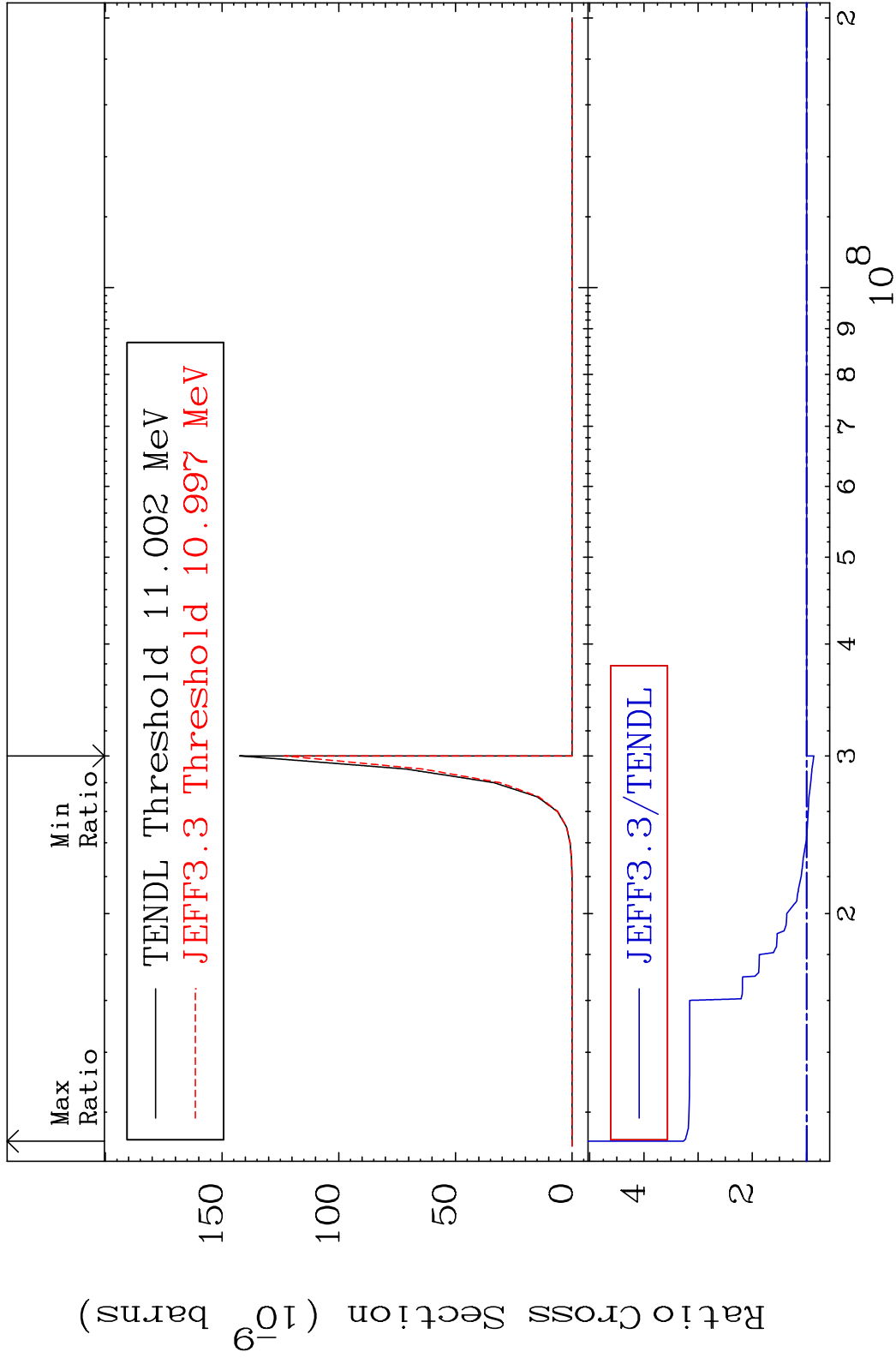


50 60-Nd-143

MAT 6028 (n,p) α 60-Nd-143
 Cross Section 0.000 To 9999. %

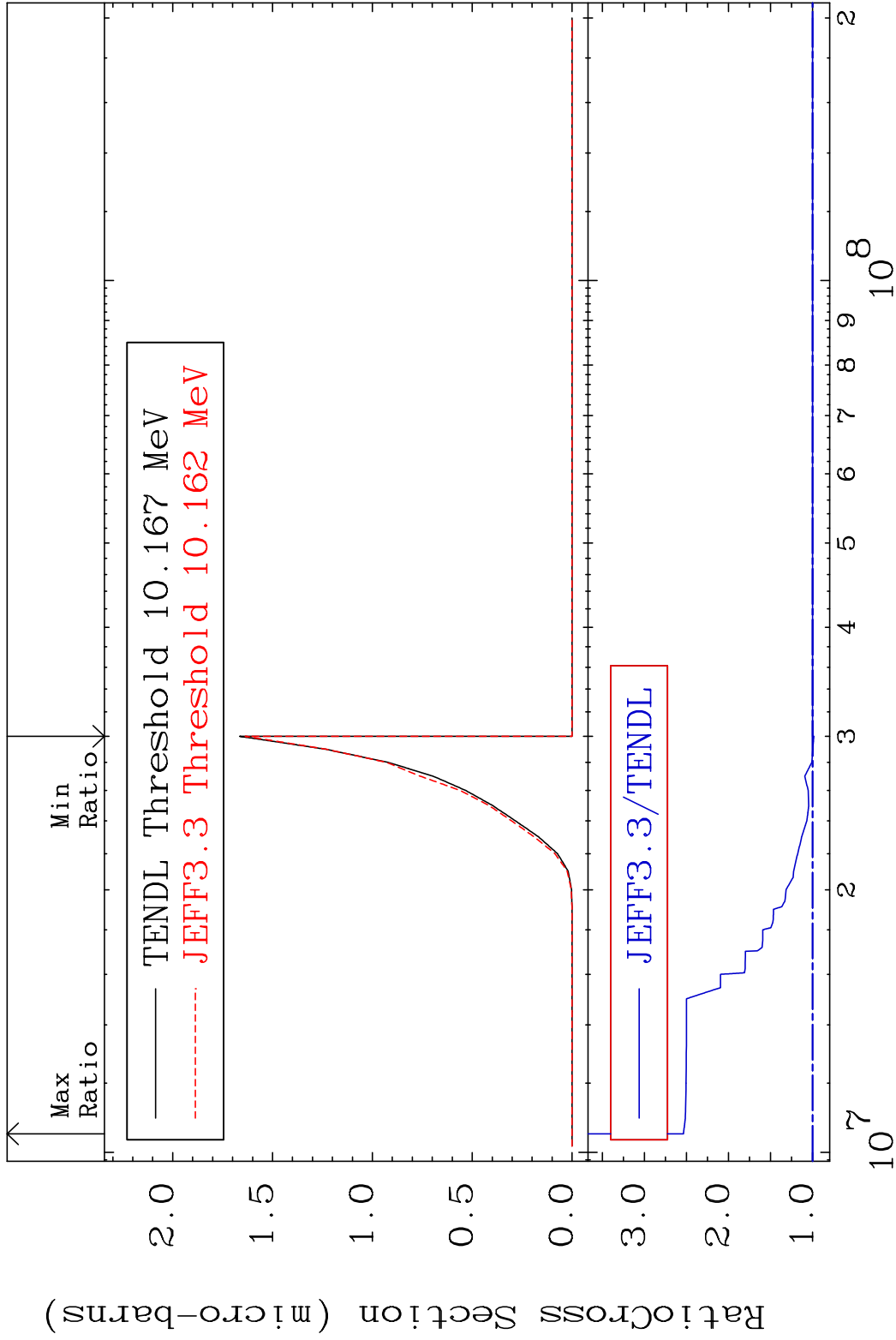


MAT 6028 (n,p) d 60-Nd-143
 Cross Section -13.52 To 227.0 %

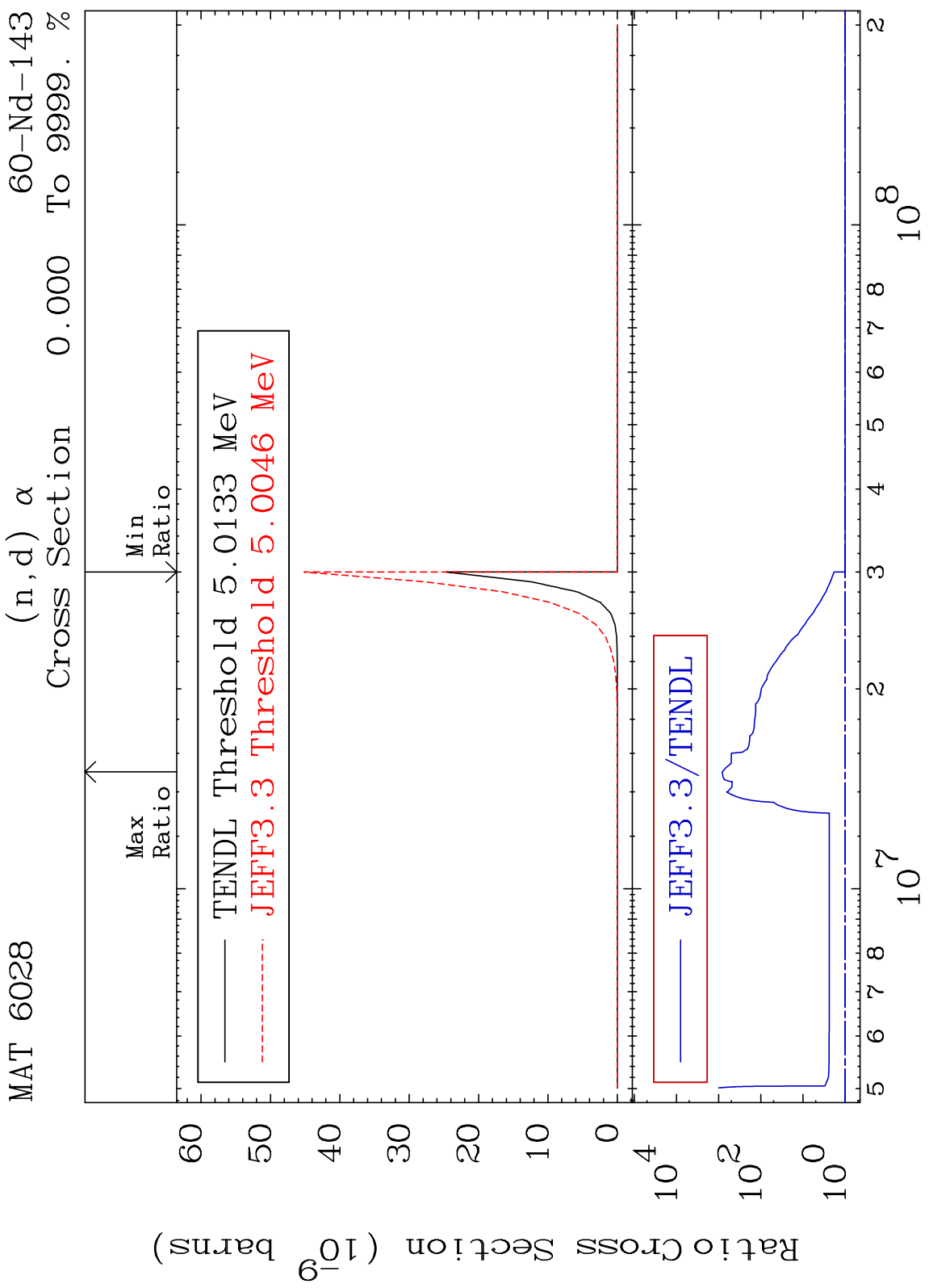


52 60-Nd-143

MAT 6028 (n,p) t 60-Nd-143
 Cross Section -1.658 To 153.5 %



53 Incident Energy (eV) 60-Nd-143

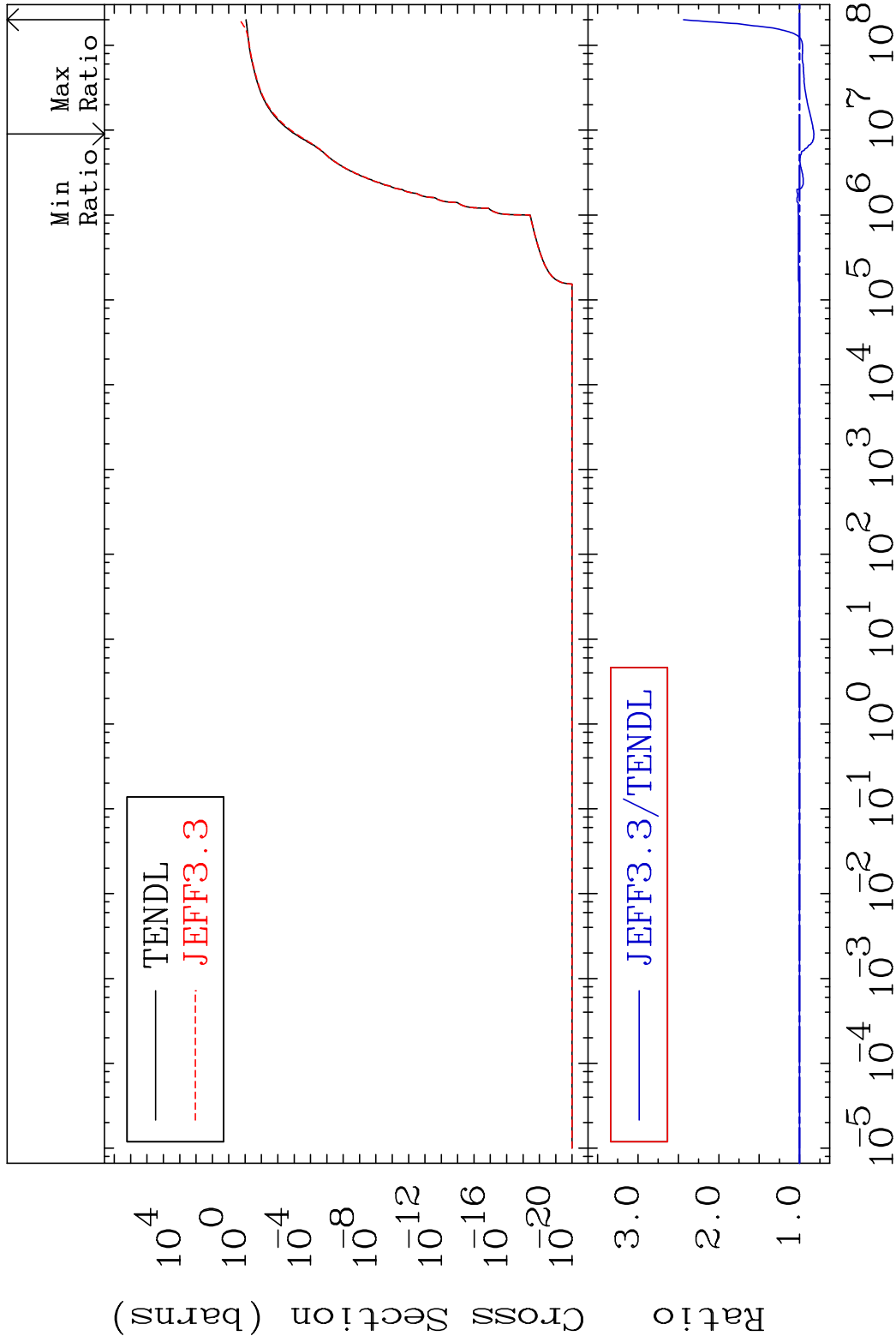


MAT 6028

Hydrogen Production

60-Nd-143

Cross Section -17.67 To 143.8 %

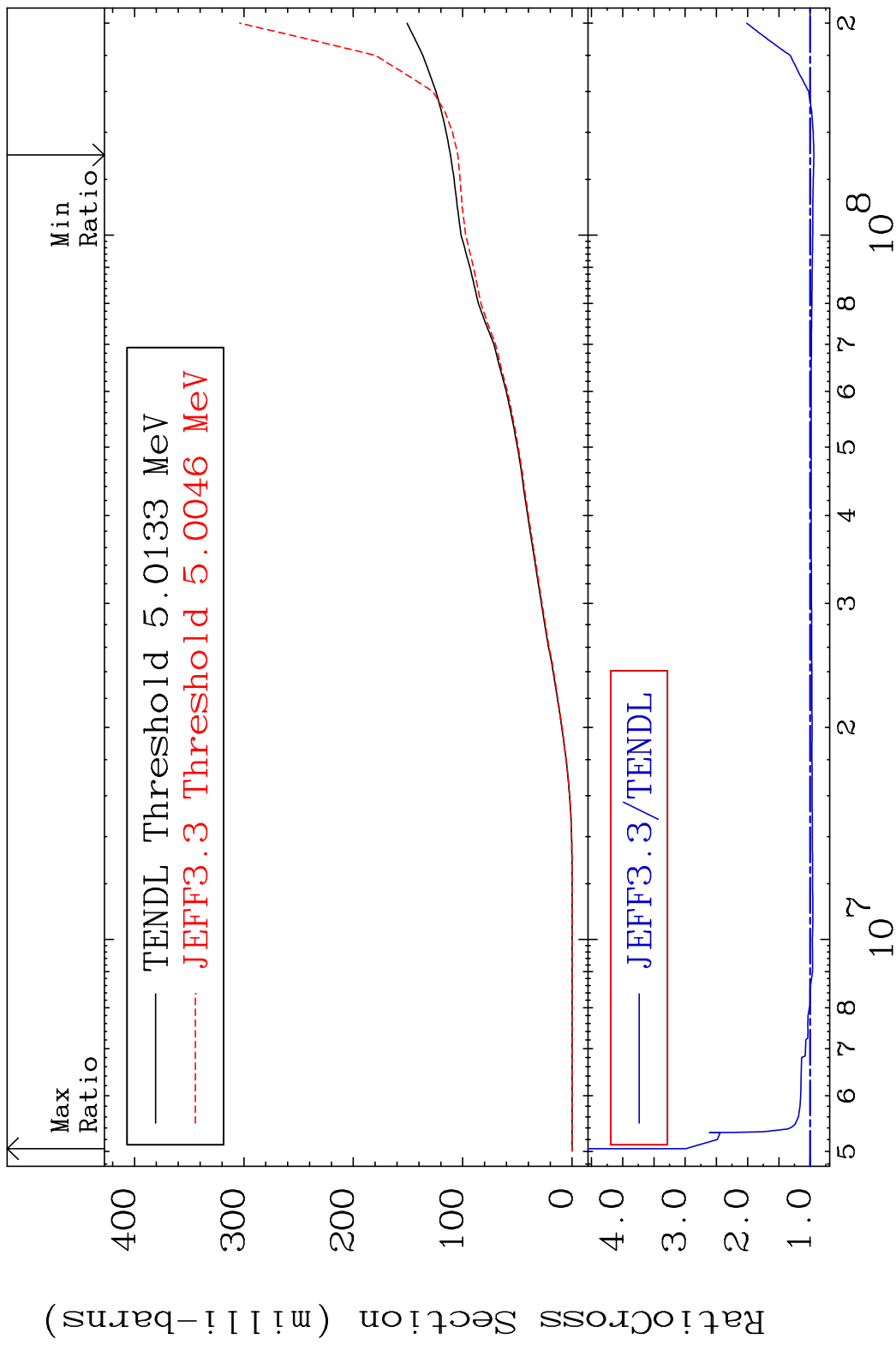


55

Incident Energy (eV)

60-Nd-143

MAT 6028 Deuterium Production 60-Nd-143
 Cross Section -6.054 To 202.8 %



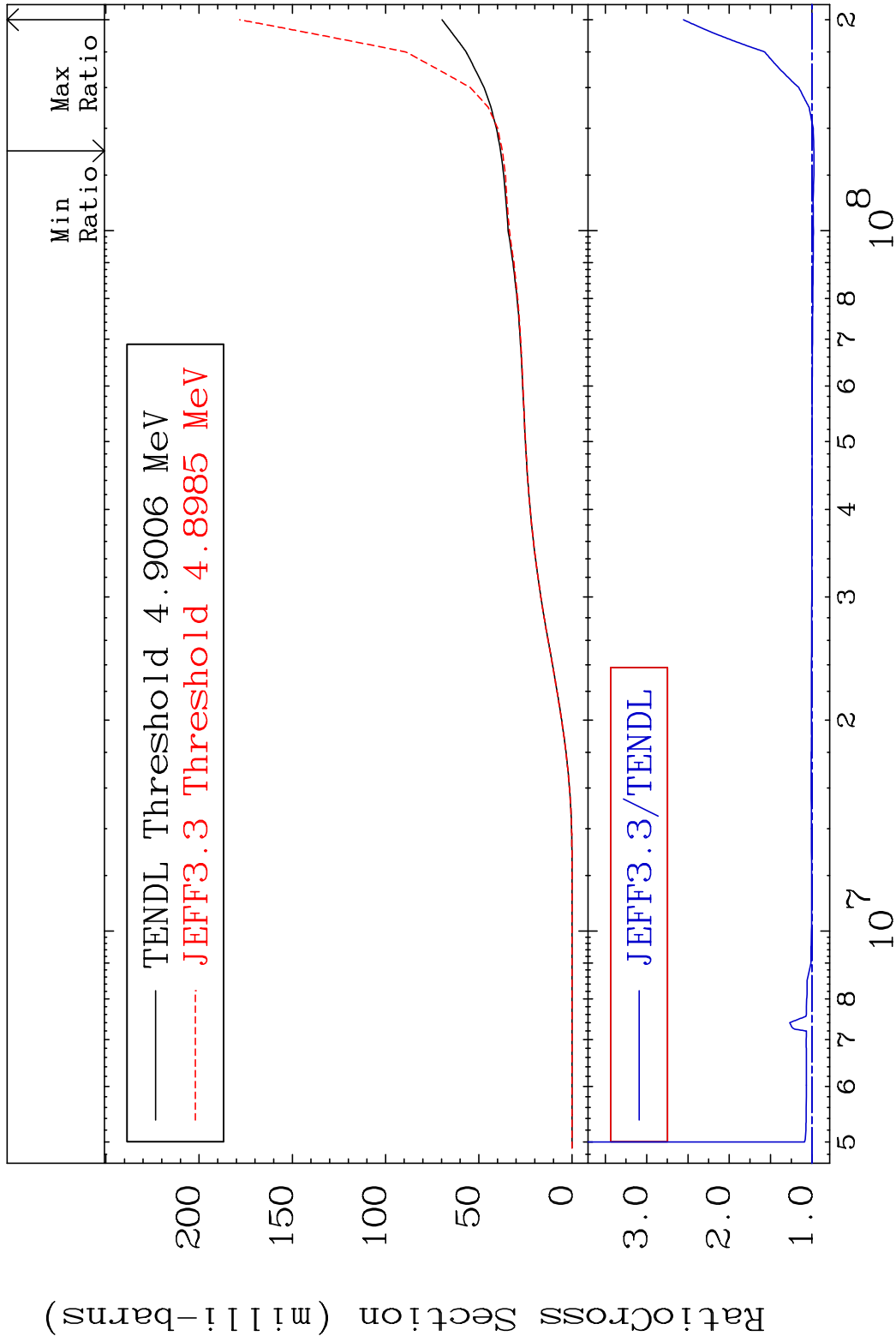
56 Incident Energy (eV) 60-Nd-143

MAT 6028

Tritium Production

60-Nd-143

Cross Section -2.443 To 155.4 %



57

Incident Energy (eV)

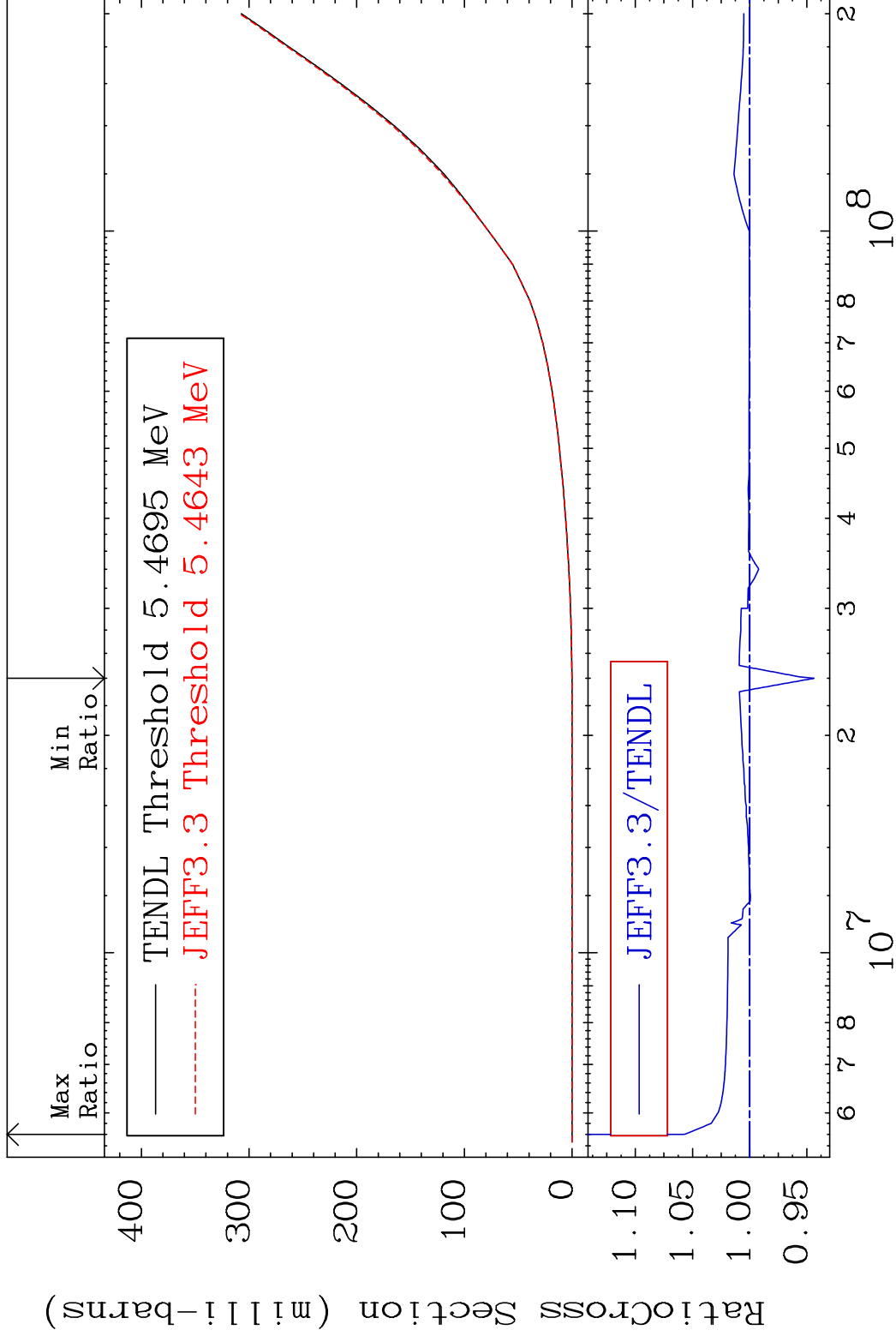
60-Nd-143

MAT 6028

He-3 Production

60-Nd-143

Cross Section -5.618 To 5.794 %

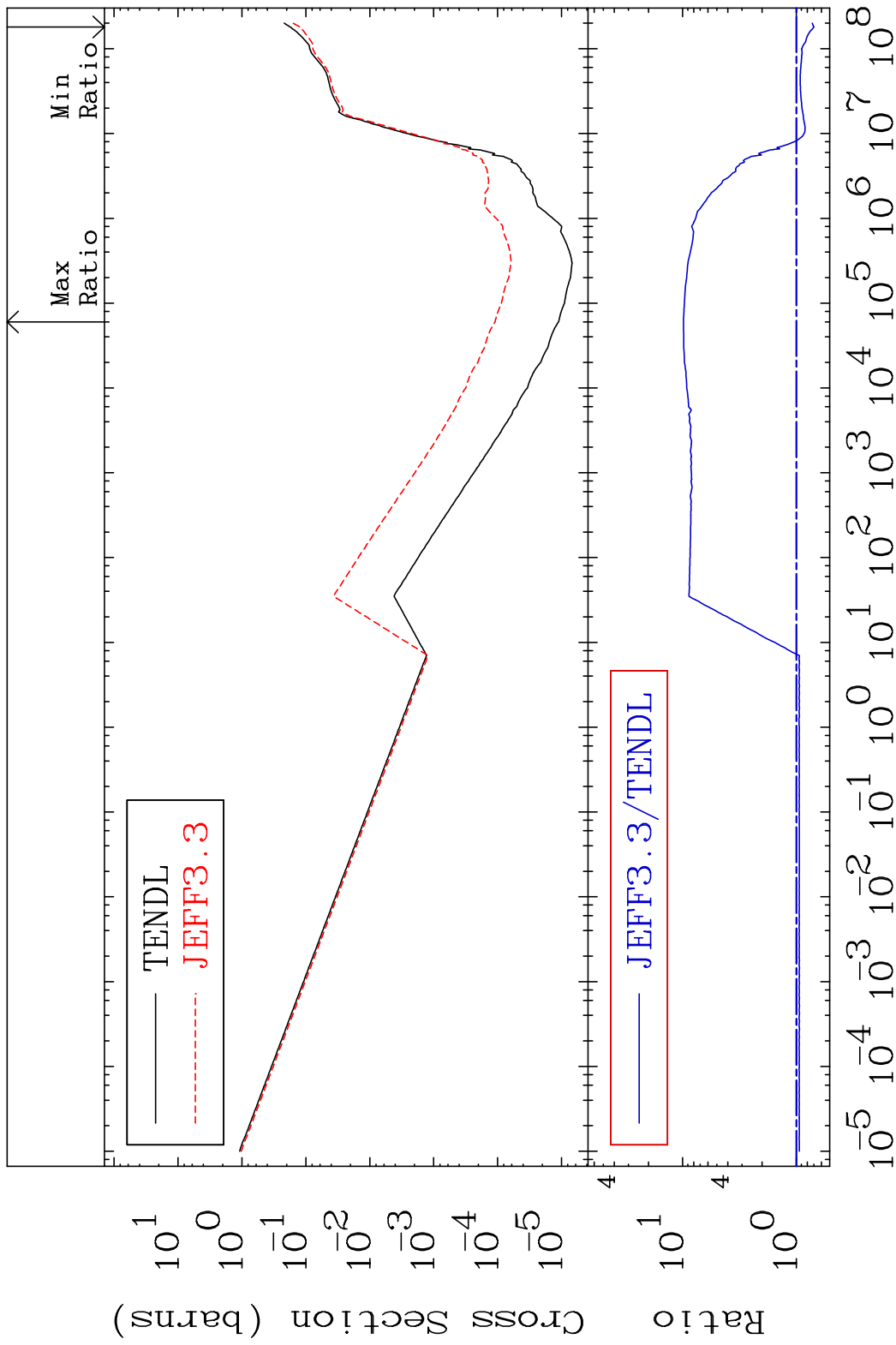


58

Incident Energy (eV)

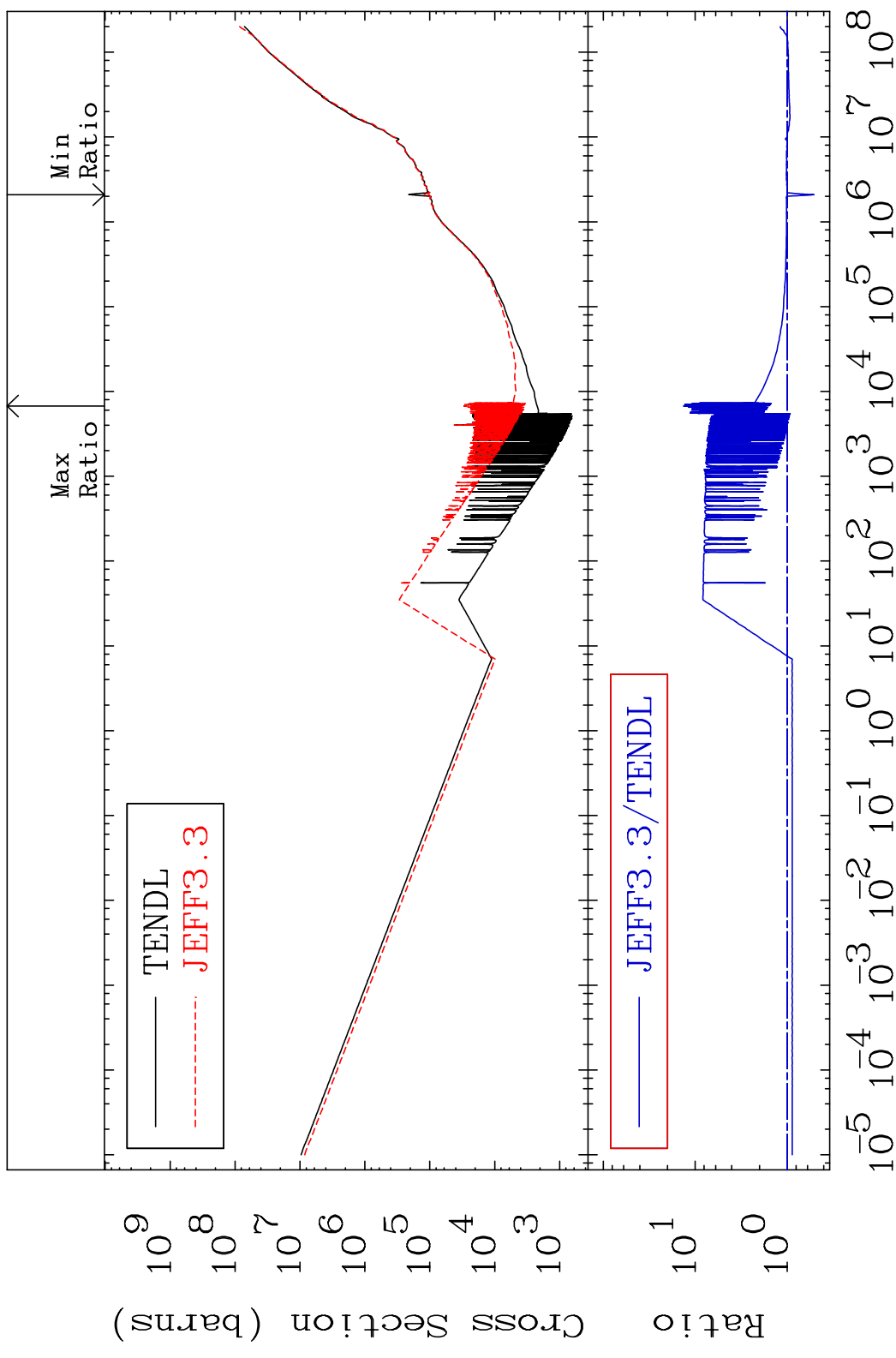
60-Nd-143

MAT 6028 He-4 Production 60-Nd-143
 Cross Section -30.02 To 883.8 %



59 Incident Energy (eV) 60-Nd-143

MAT 6028 Kerma total (eV-barns) 60-Nd-143
 Cross Section -48.78 To 1242. %

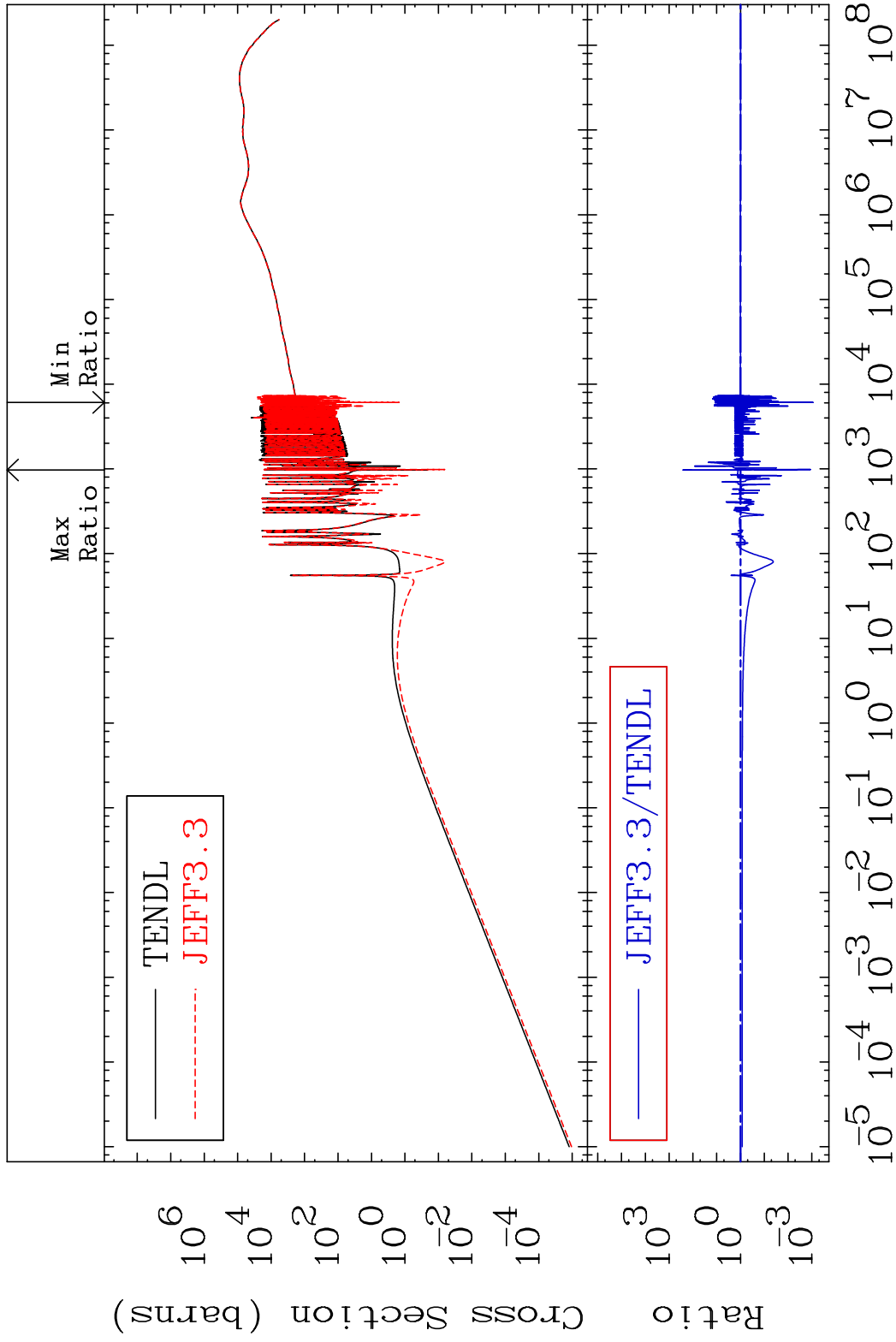


60 Incident Energy (eV) 60-Nd-143

MAT 6028

Kerma elastic
Cross Section

60-Nd-143
-99.91 To 9999. %

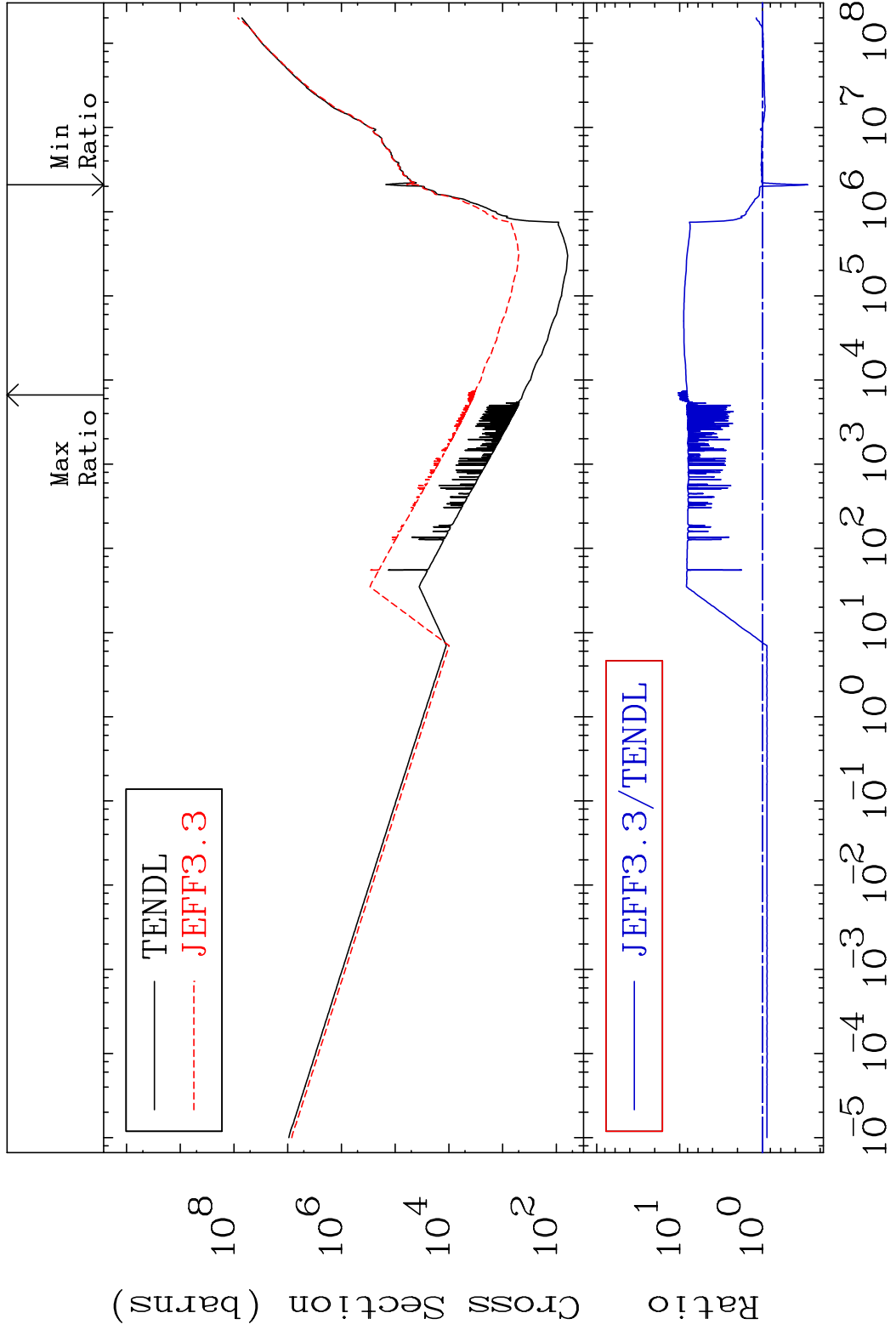


61

Incident Energy (eV)

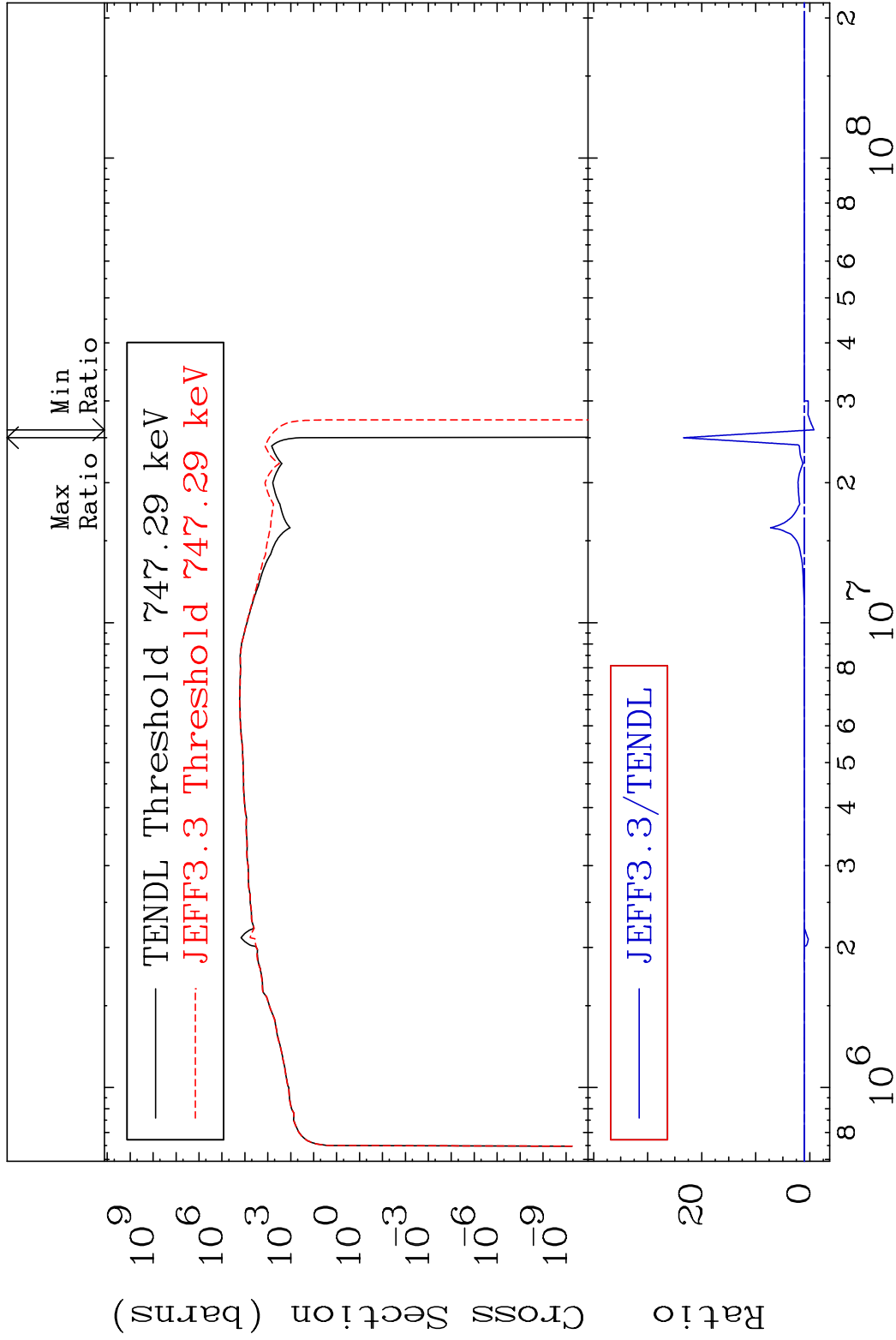
60-Nd-143

MAT 6028 Kerma non-elastic (all but mt2) 60-Nd-143
 Cross Section -71.61 To 937.7 %



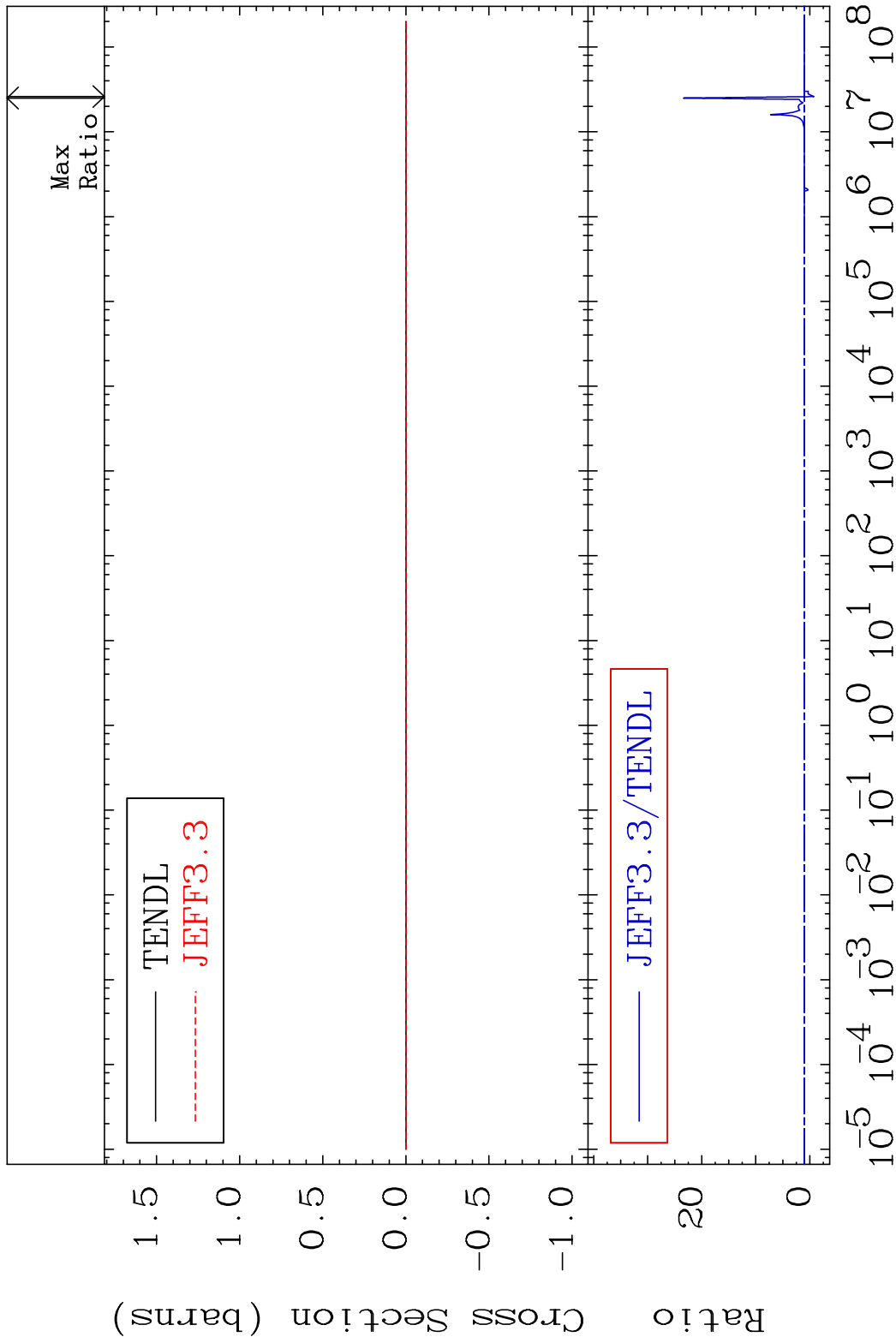
62 Incident Energy (eV) 60-Nd-143

MAT 6028 Kerma inelastic (mt51-91) 60-Nd-143
Cross Section -176.2 To 2238. %



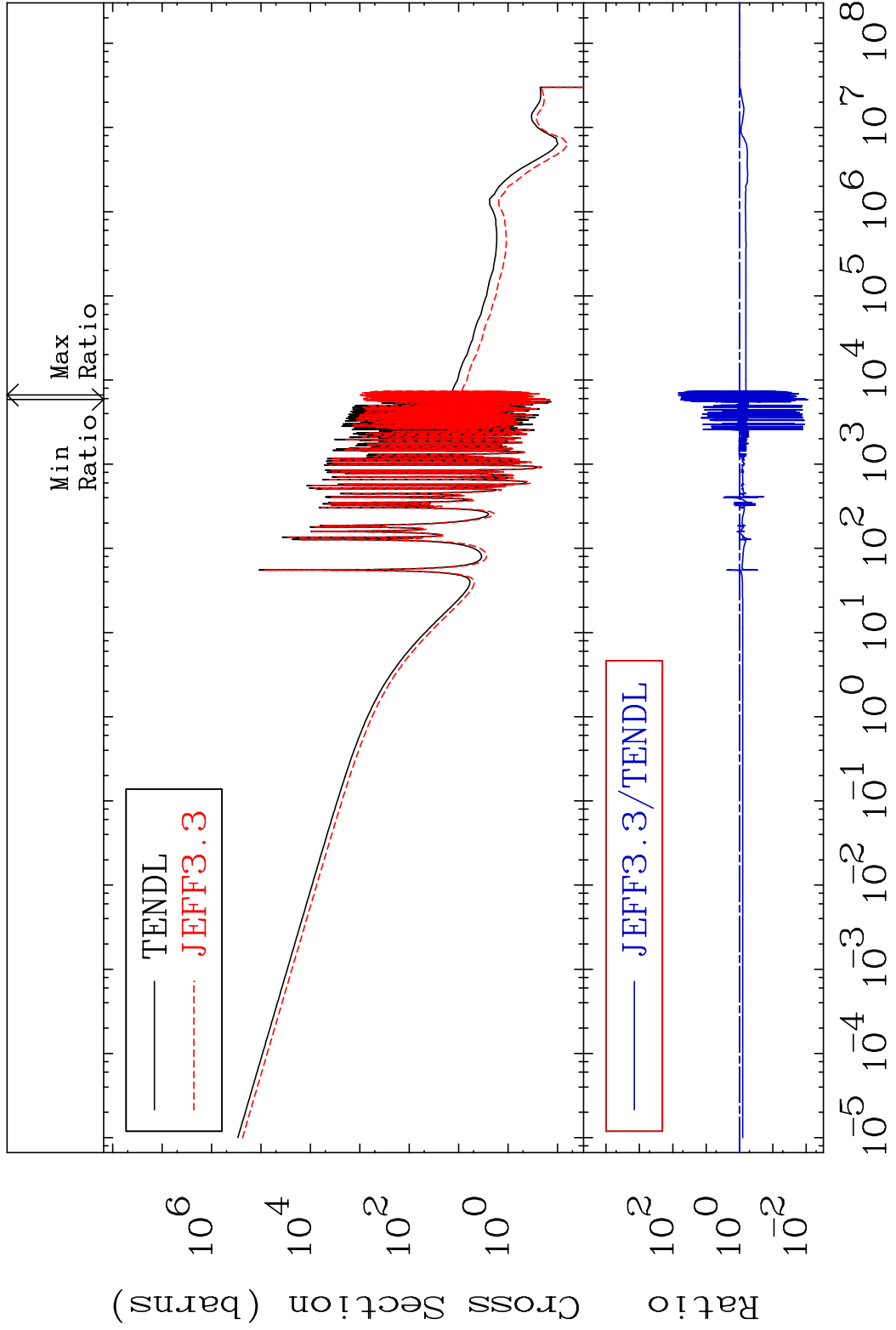
63 Incident Energy (eV) 60-Nd-143

MAT 6028 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-143
Cross Section -176.2 To 2238. %



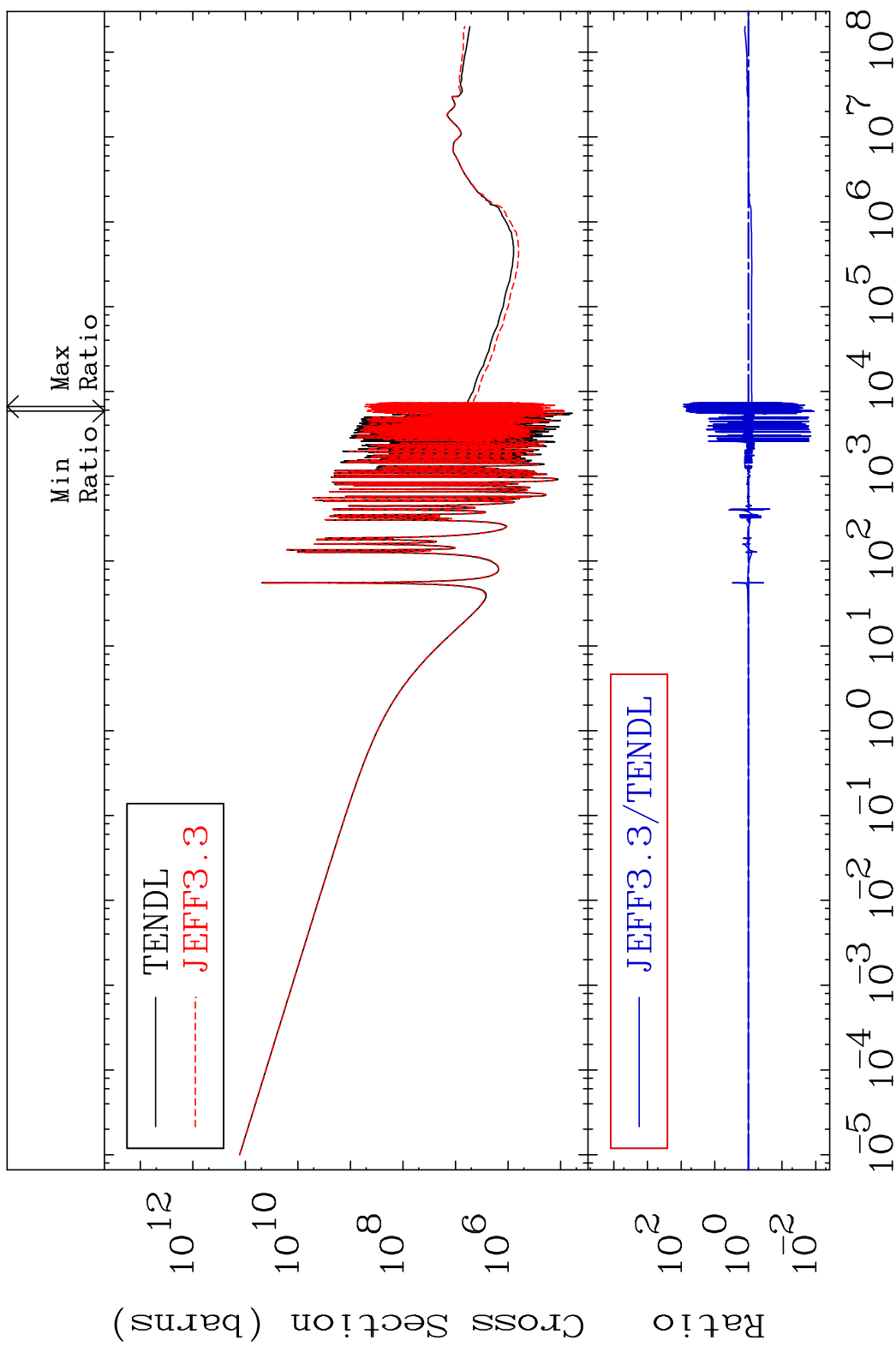
64 Incident Energy (eV) 60-Nd-143

MAT 6028 Kerma capture (mt102) 60-Nd-143
 Cross Section -99.10 To 6742. %



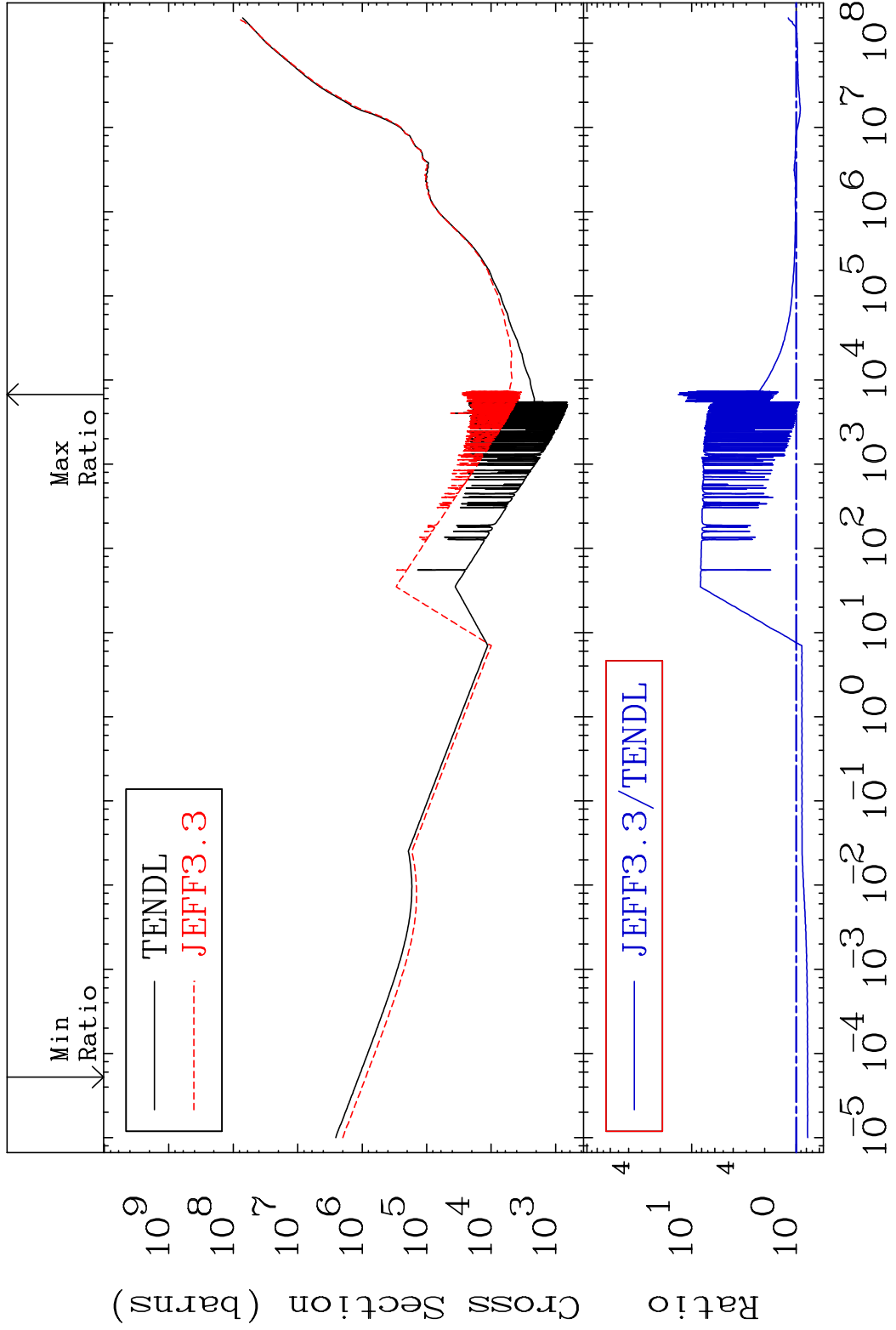
65 Incident Energy (eV) 60-Nd-143

MAT 6028 Total photon (eV-barns) 60-Nd-143
 Cross Section -98.87 To 8407. %



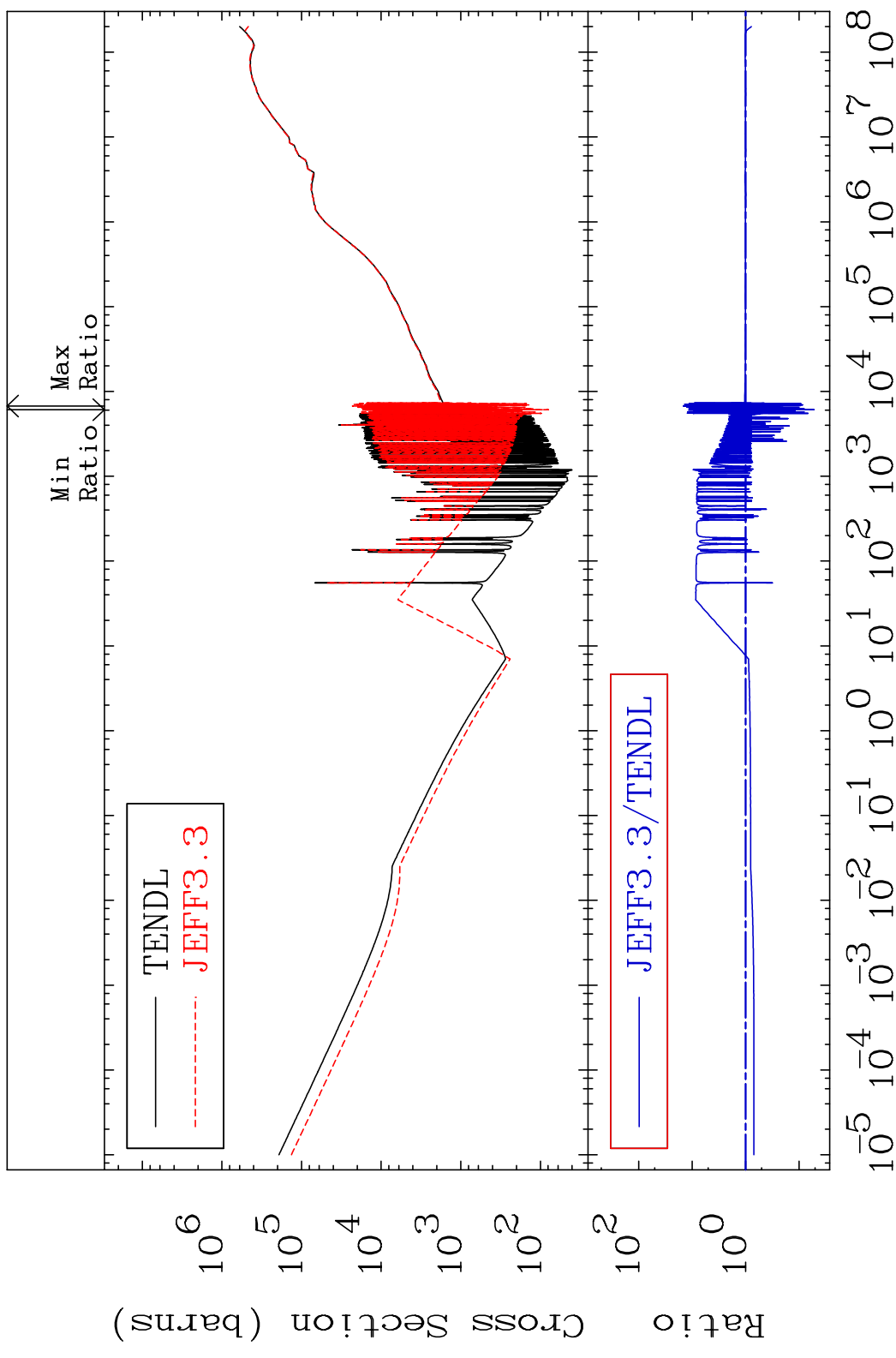
66 Incident Energy (eV) 60-Nd-143

MAT 6028 Total kinematic kerma (high limit) 60-Nd-143
 Cross Section -22.43 To 1241. %



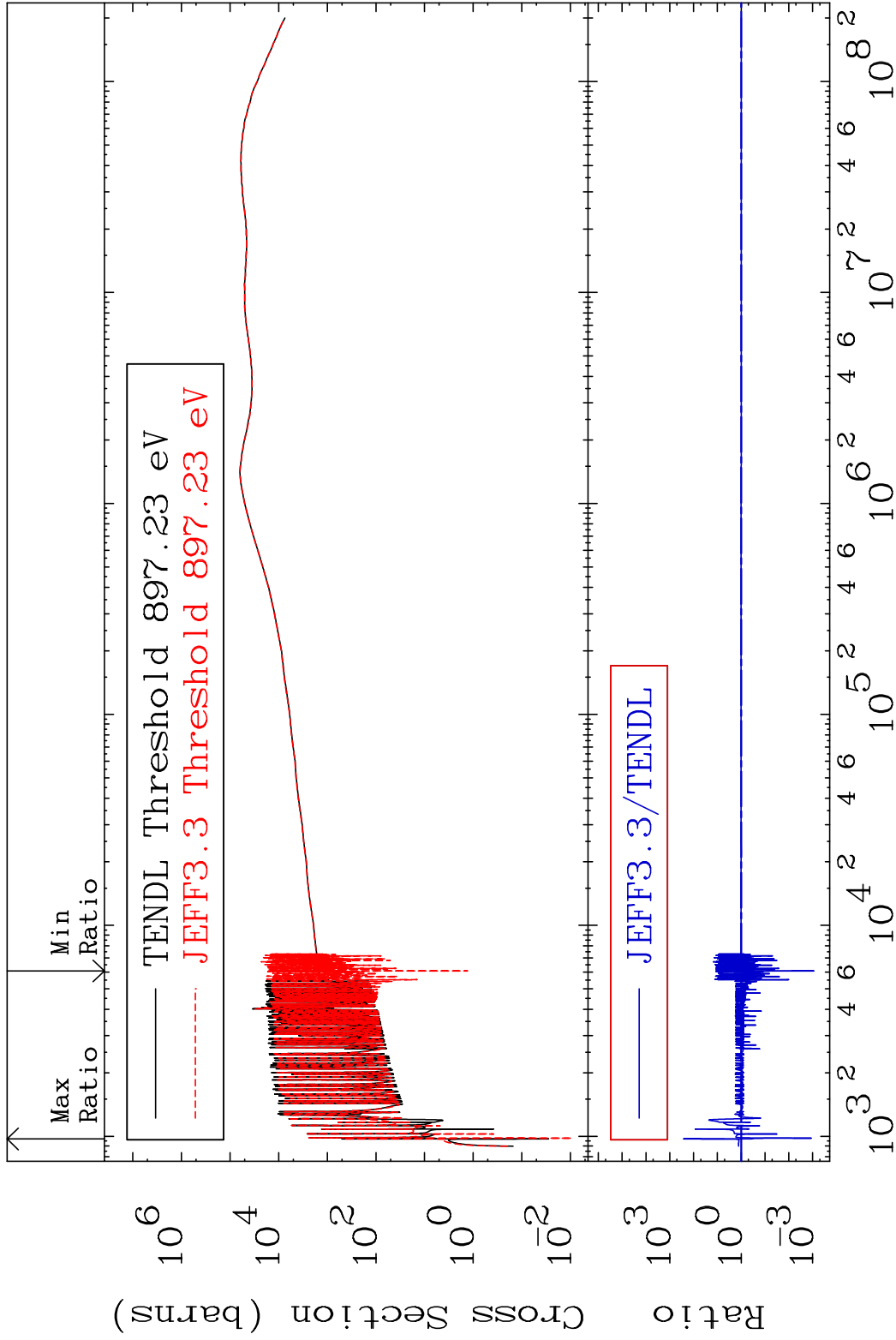
67 Incident Energy (eV) 60-Nd-143

MAT 6028 Dpa total (eV-barns) 60-Nd-143
 Cross Section -94.72 To 1353. %



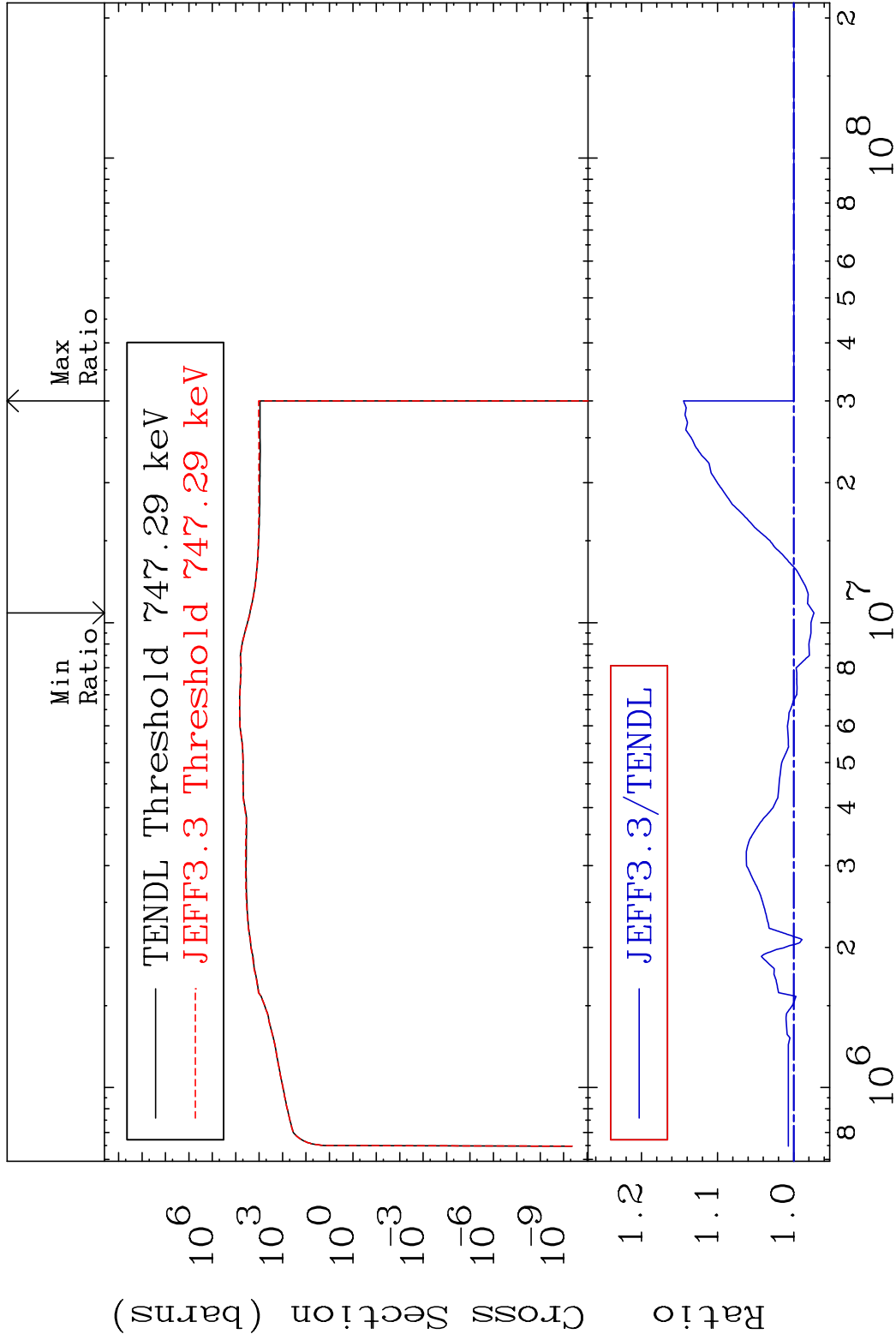
68 Incident Energy (eV) 60-Nd-143

MAT 6028 Dpa elastic (mt2) 60-Nd-143
Cross Section -99.91 To 9999. %



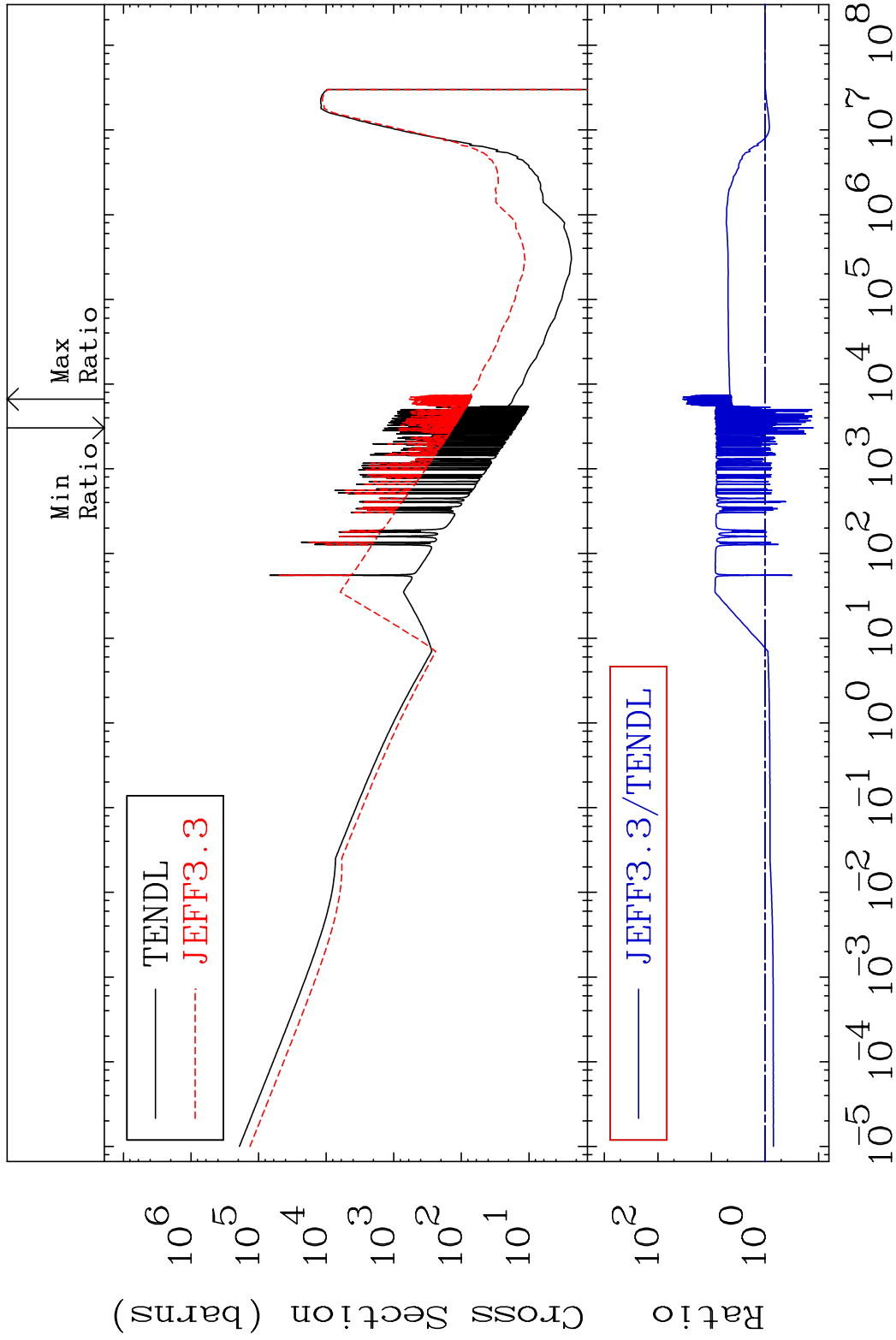
69 Incident Energy (eV) 60-Nd-143

MAT 6028 Dpa inelastic (mt51-91) 60-Nd-143
 Cross Section -2.639 To 14.48 %

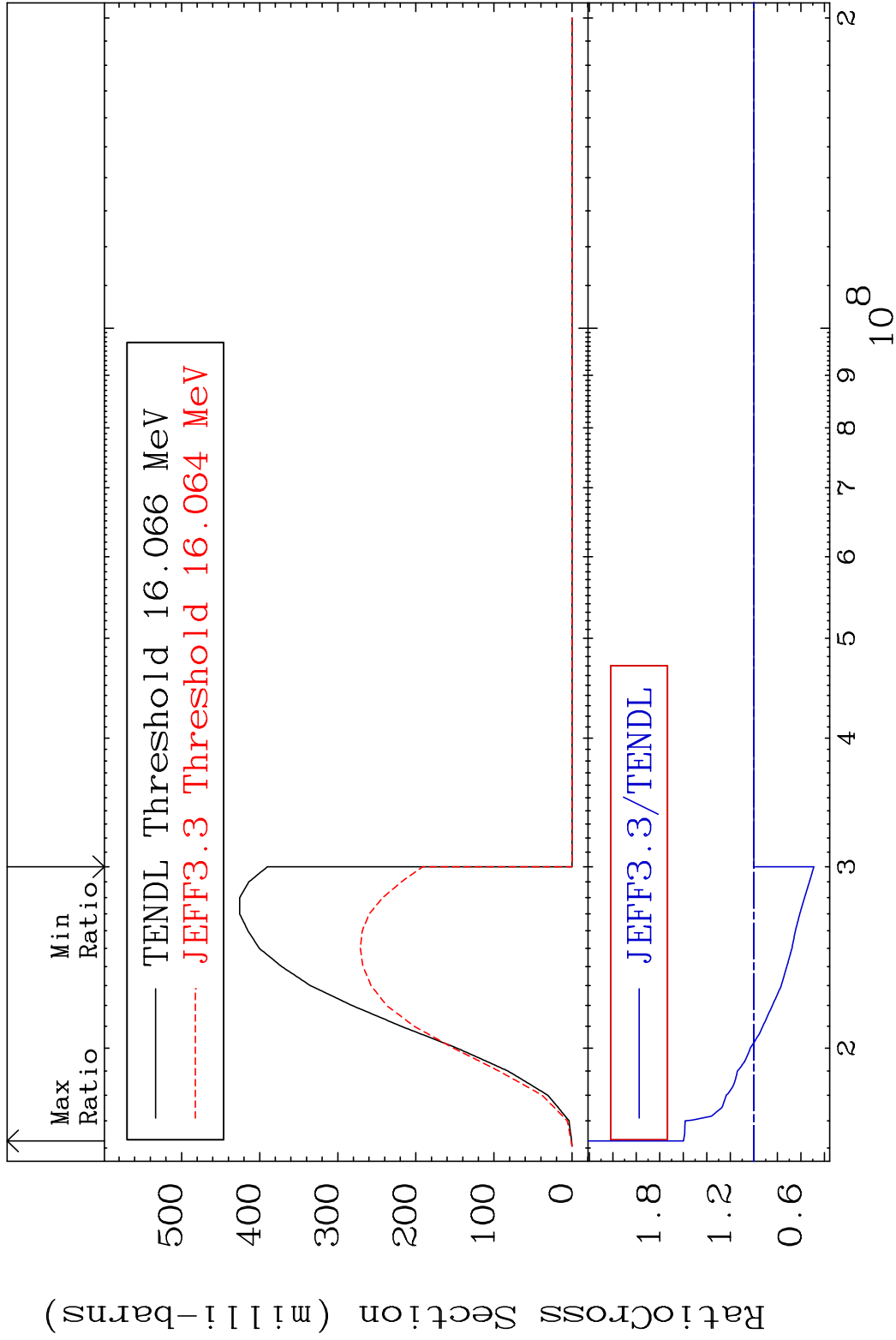


70 Incident Energy (eV) 60-Nd-143

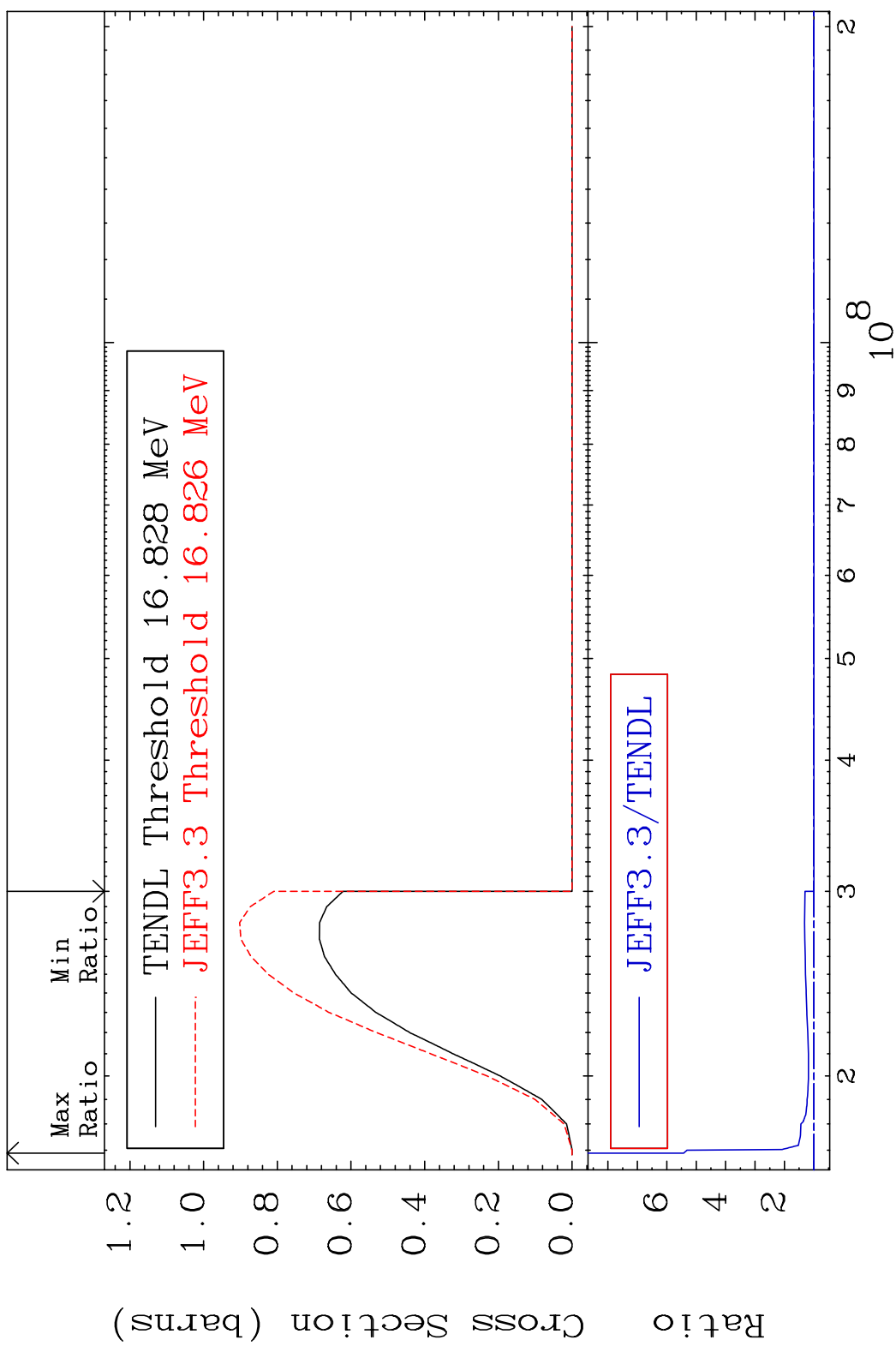
MAT 6028 Dpa disappearance (mt102 -120) 60-Nd-143
Cross Section -87.36 To 3321. %



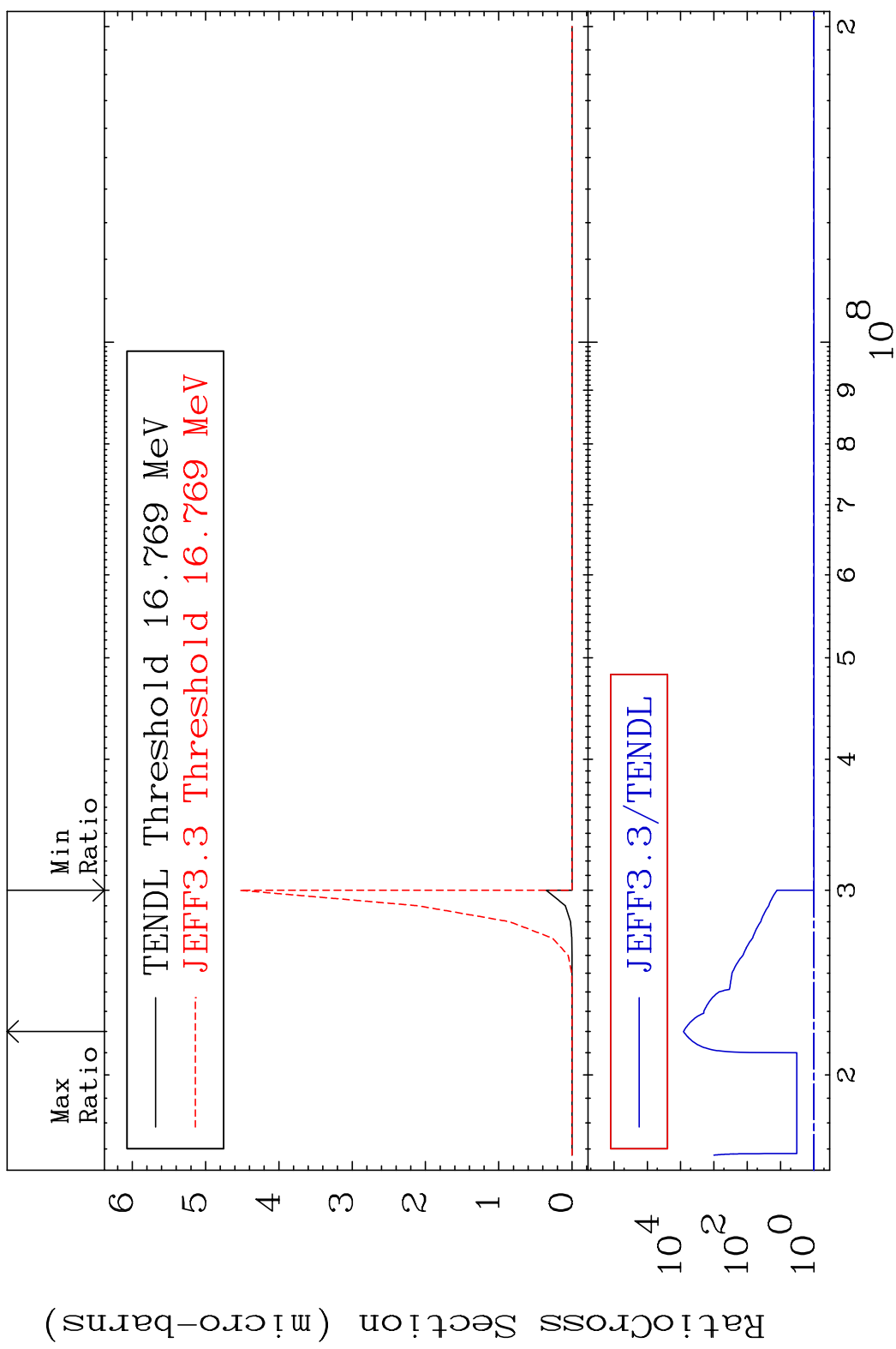
MAT 6028 (n,3n):60-Nd-141g 60-Nd-143
 Radionuclide Production Cross Section 58.991 dpo 59.91 %



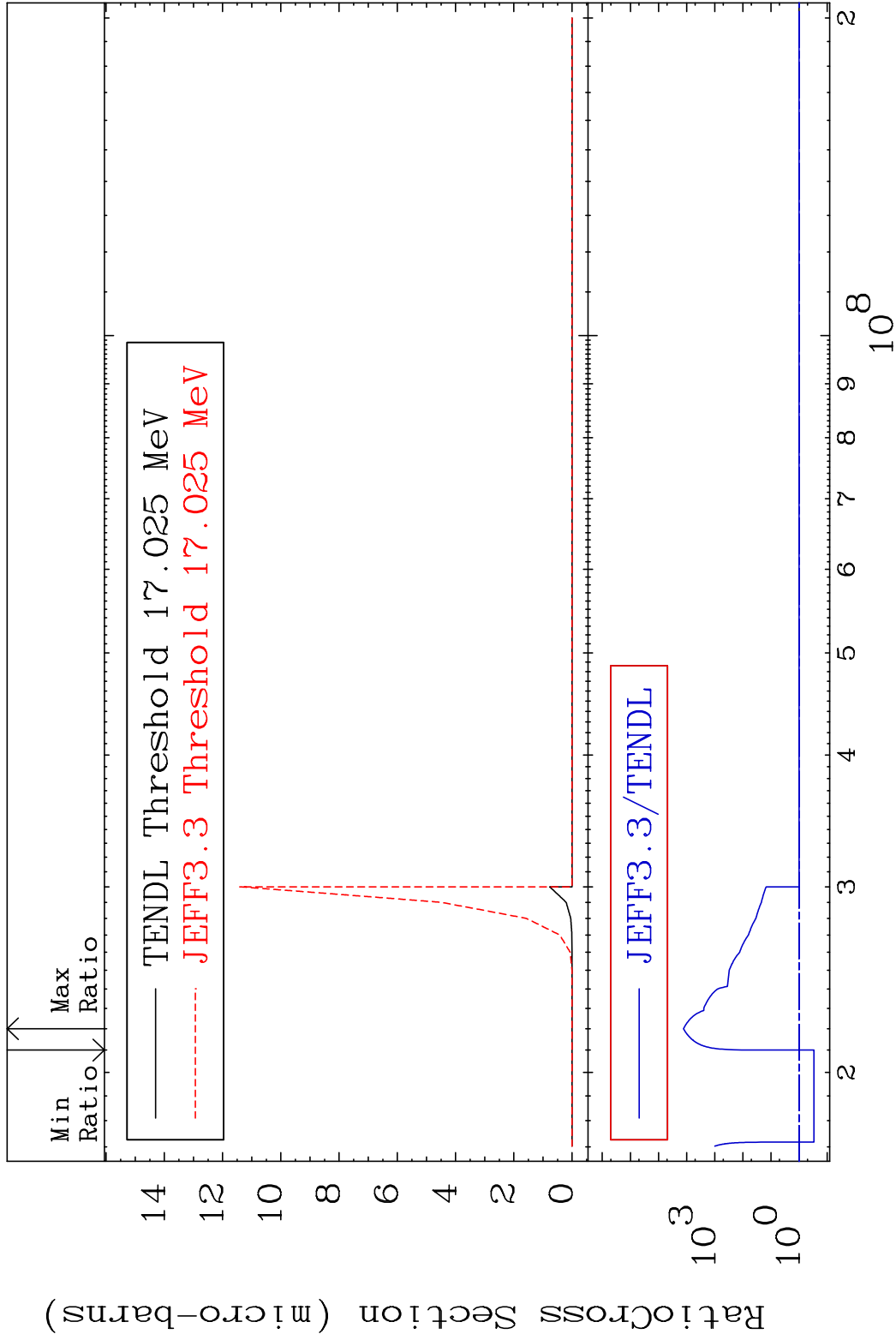
MAT 6028 (n, 3n): 60-Nd-141m2 60-Nd-143
 Radionuclide Production Cross Section 443.3 %



MAT 6028 (n,3n) α :58-Ce-137g 60-Nd-143
 Radionuclide Production Cross Section 9999. %

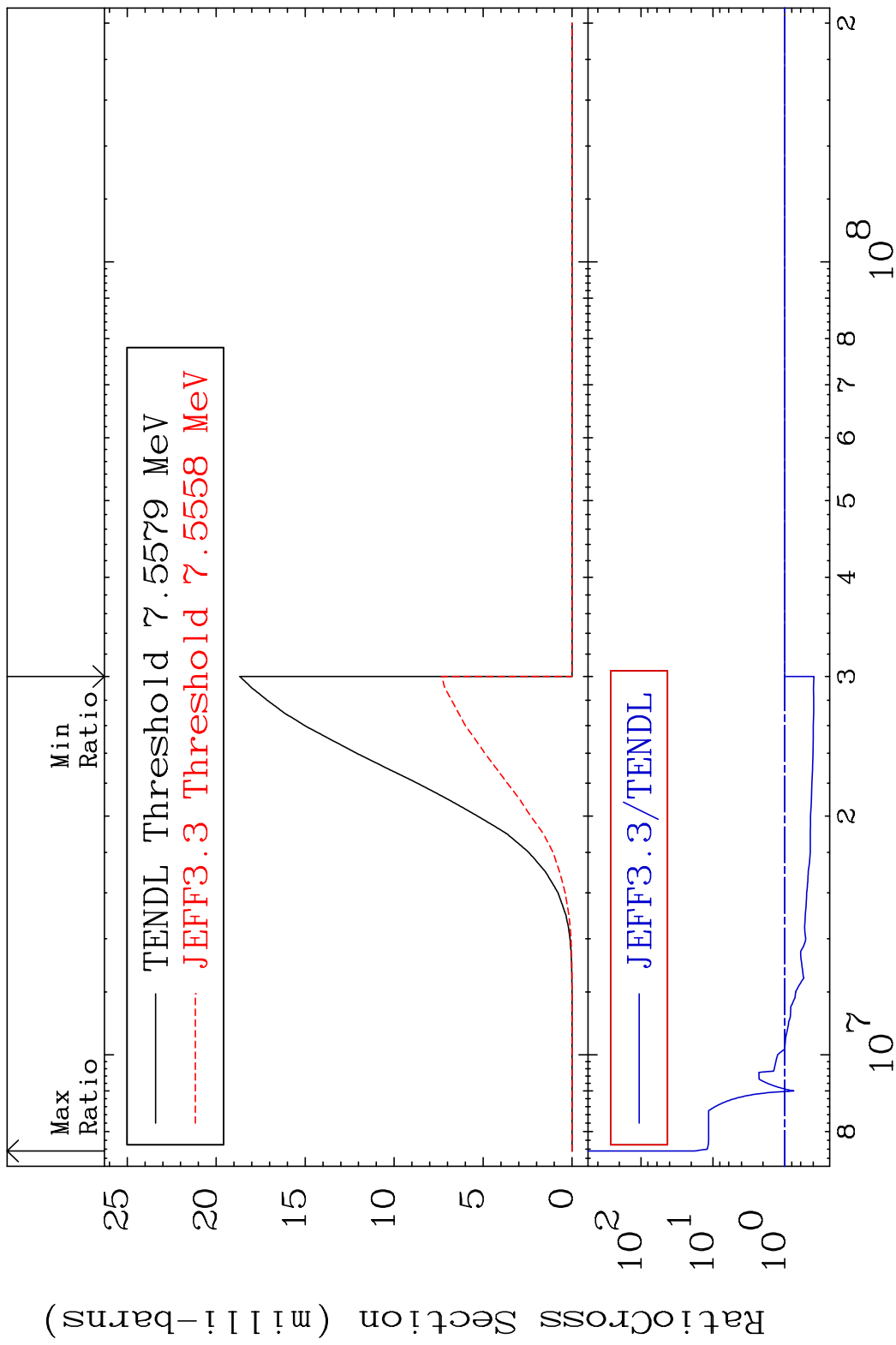


MAT 6028 (n,3n) α :58-Ce-137m2 60-Nd-143
 Radionuclide Production Cross Section



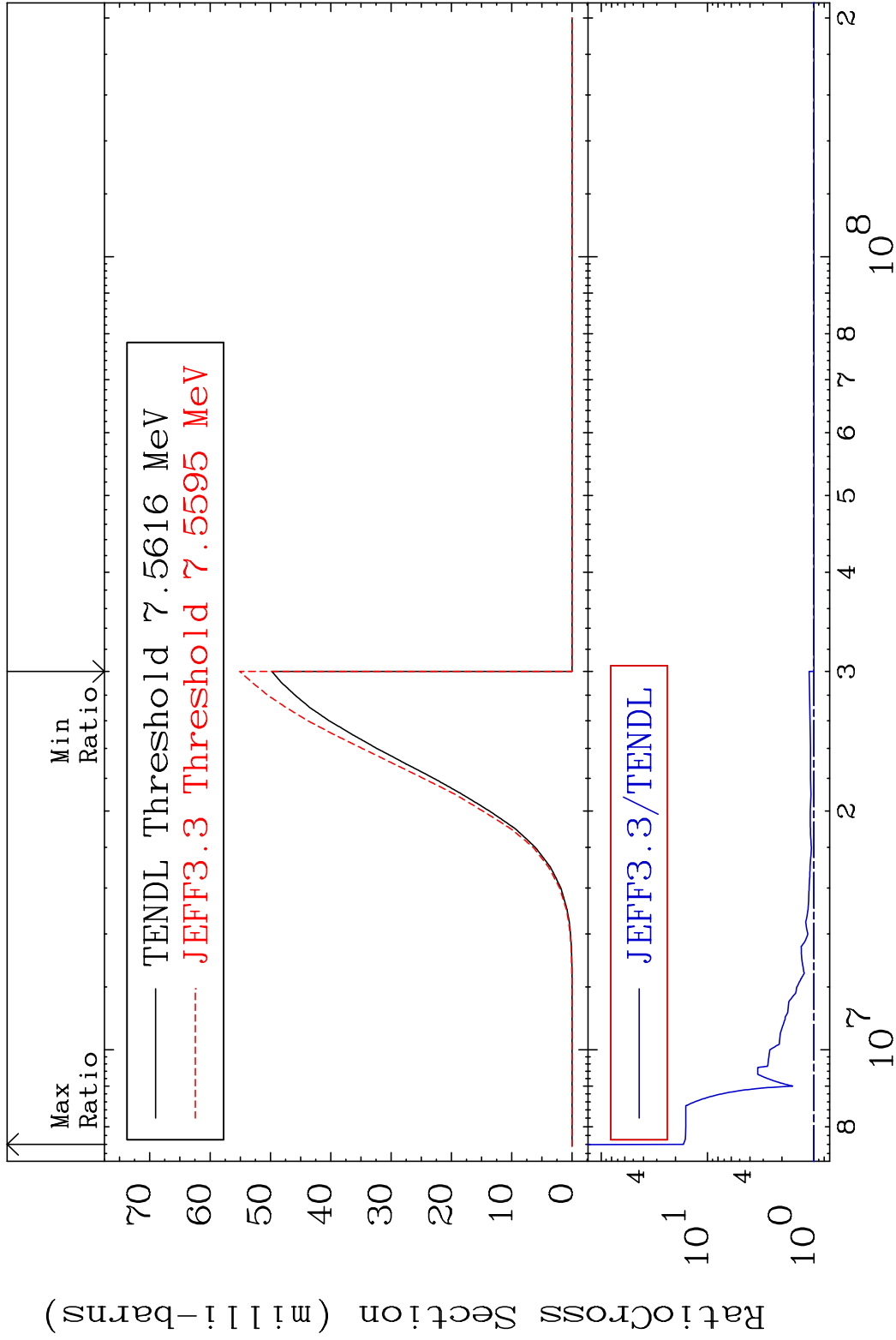
75 Incident Energy (eV) 60-Nd-143

MAT 6028 (n, n') p:59-Pr-142g 60-Nd-143
 Radionuclide Production Cross Section 68e74i d1o 2465. %

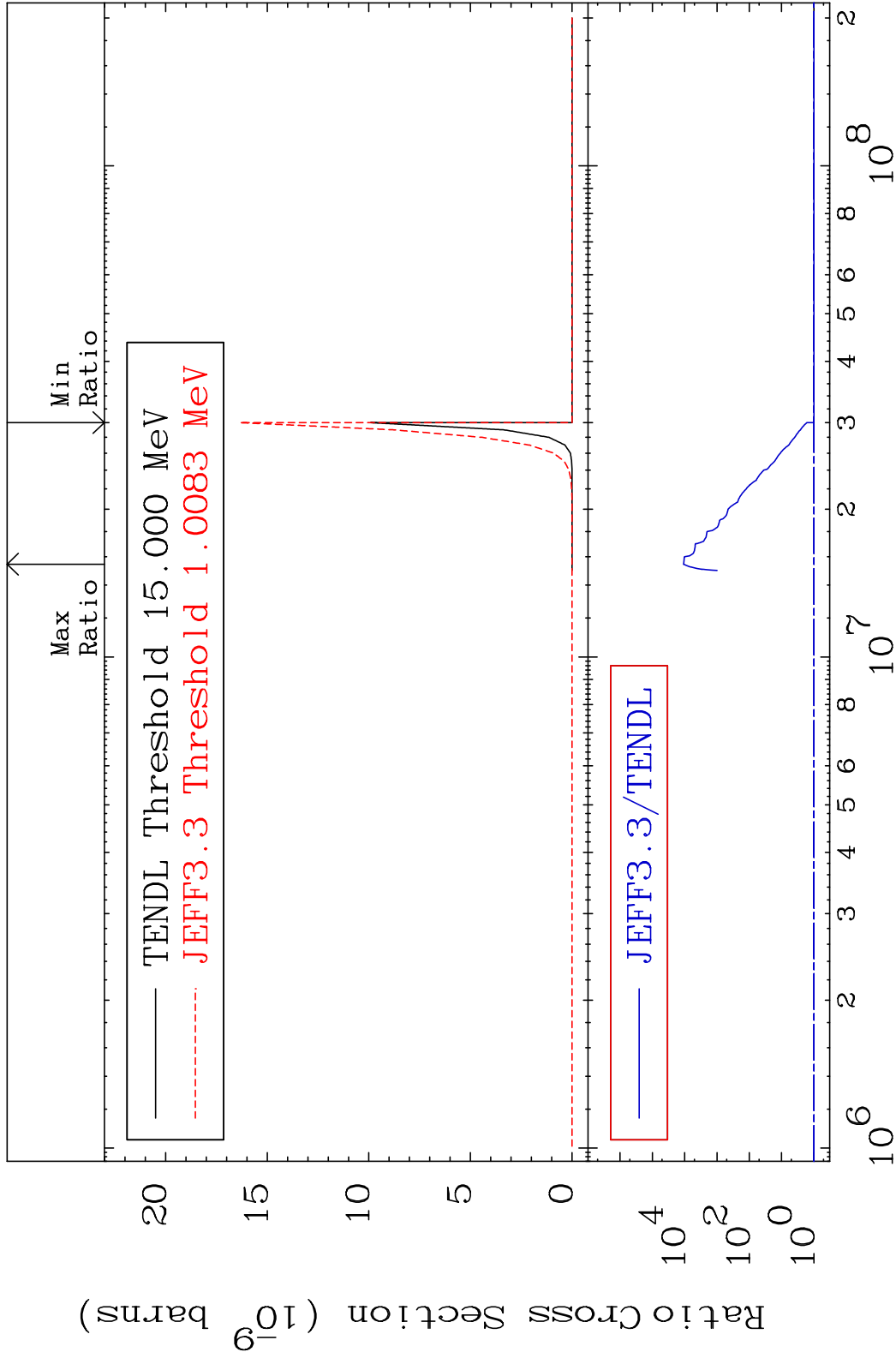


76 Incident Energy (eV) 60-Nd-143

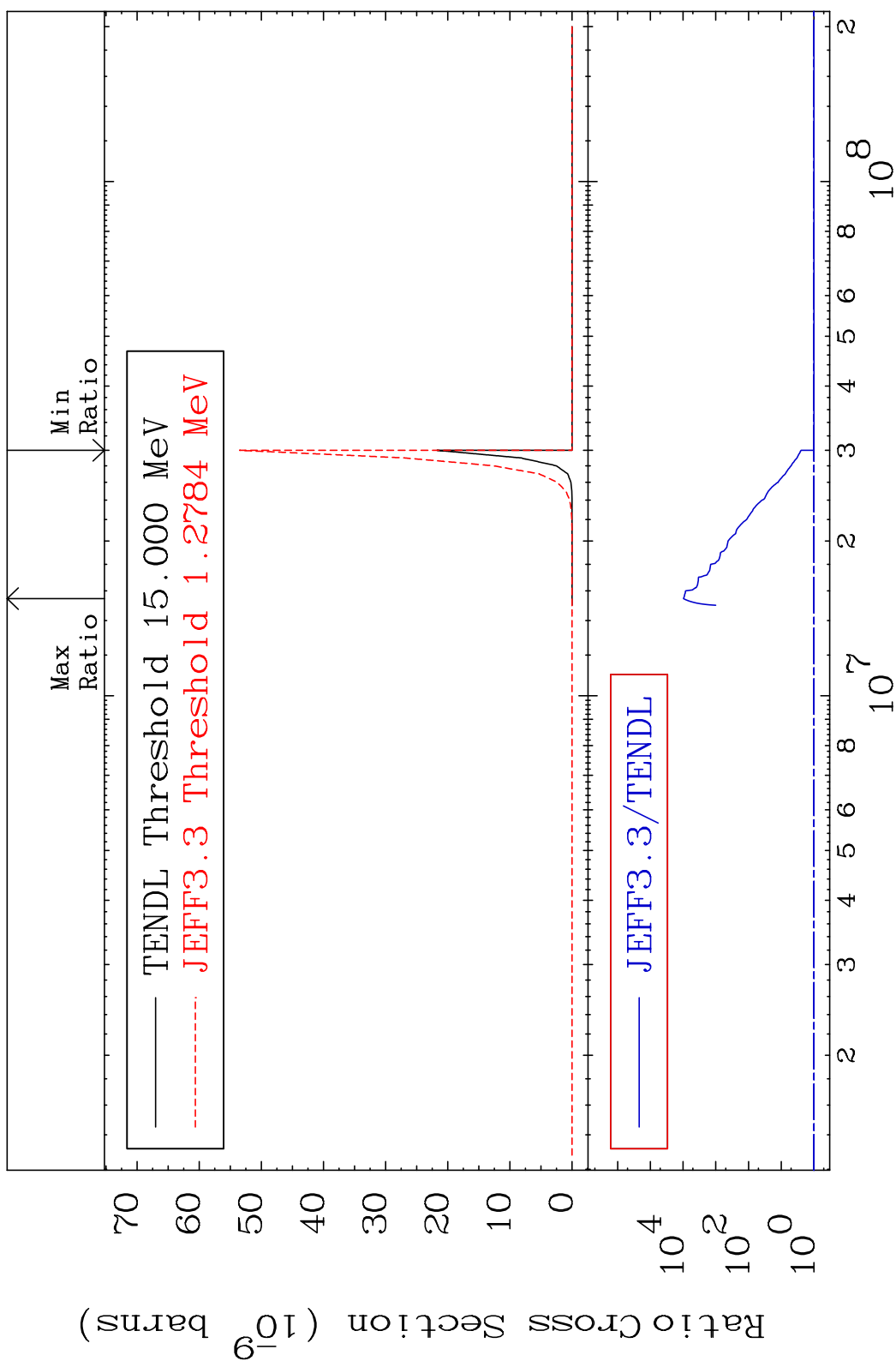
MAT 6028 (n, n') p:59-Pr-142m1 60-Nd-143
 Radionuclide Production Cross Section 1587. %



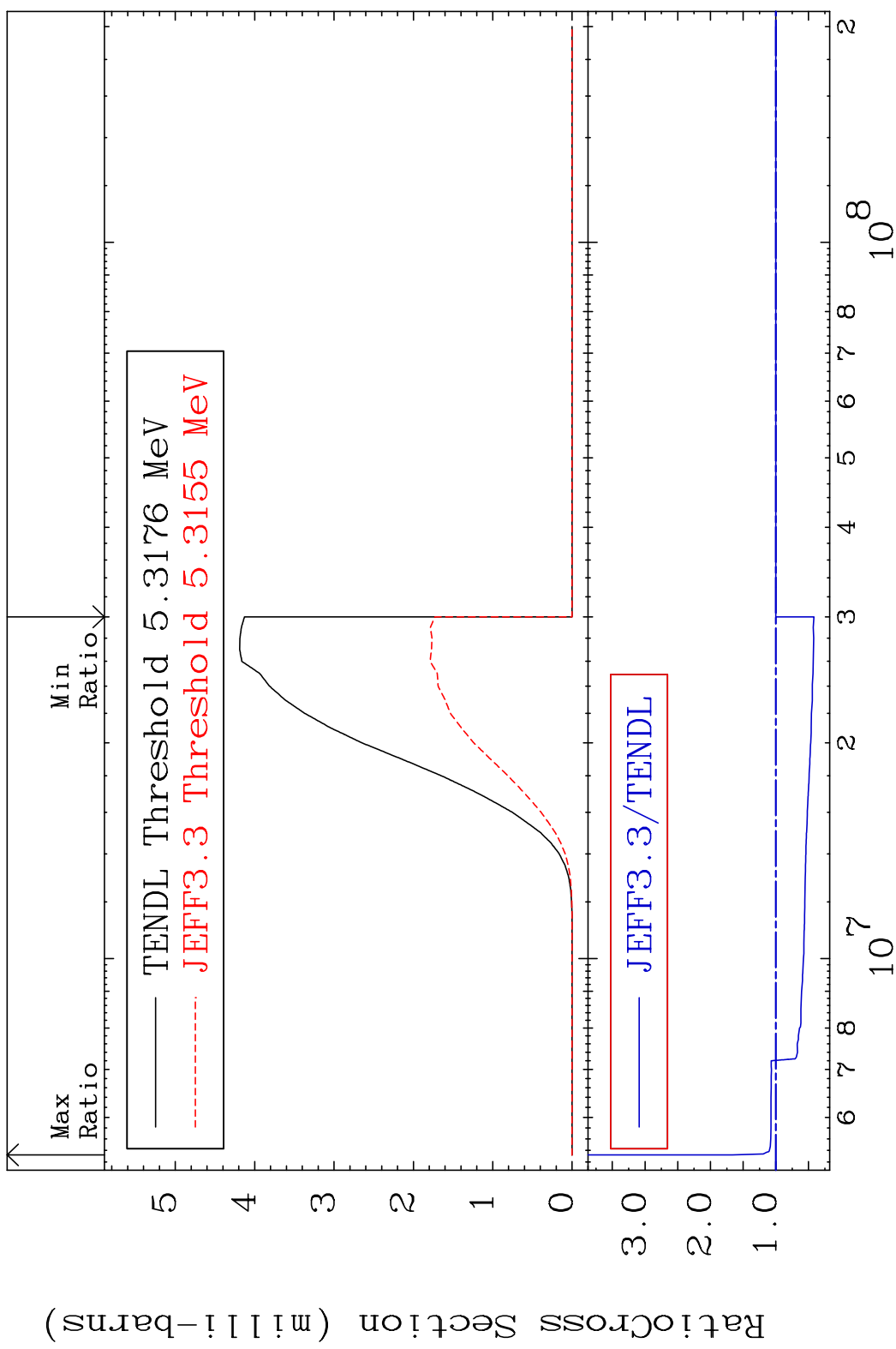
MAT 6028 (n, n') $^{2\alpha}$:56-Ba-135g 60-Nd-143
 Radionuclide Production Cross Section 9999. %



78 Incident Energy (eV) 60-Nd-143

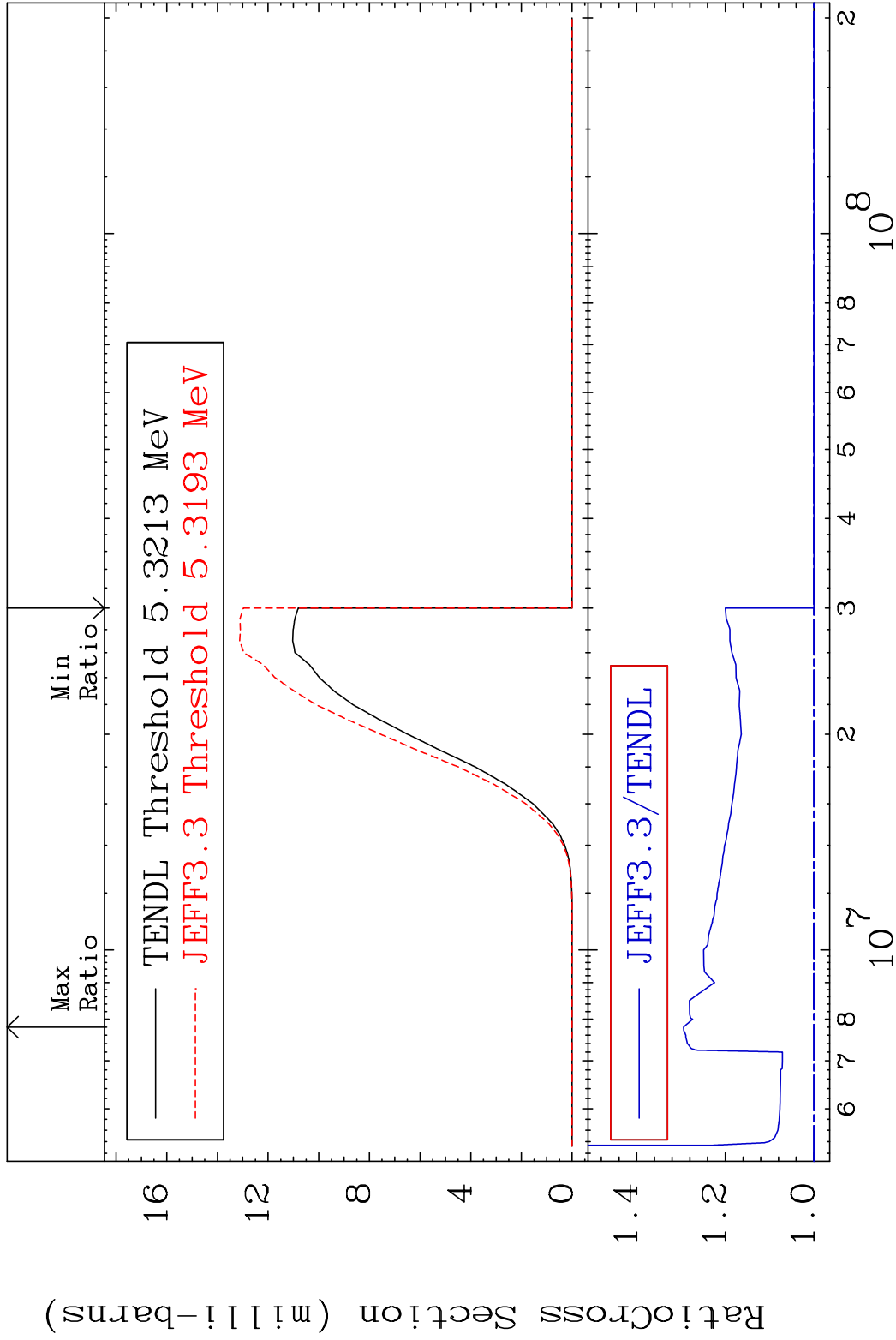


MAT 6028 (n,d):59-Pr-142g 60-Nd-143
 Radionuclide Production Cross Section 58ed4i dfo 141.3 %



80 Incident Energy (eV) 60-Nd-143

MAT 6028 (n, d):59-Pr-142m1 60-Nd-143
 Radionuclide Production Cross Section 29.45 %



81 Incident Energy (eV) 60-Nd-143