

Program Complot  
(Version 2021-1)

by

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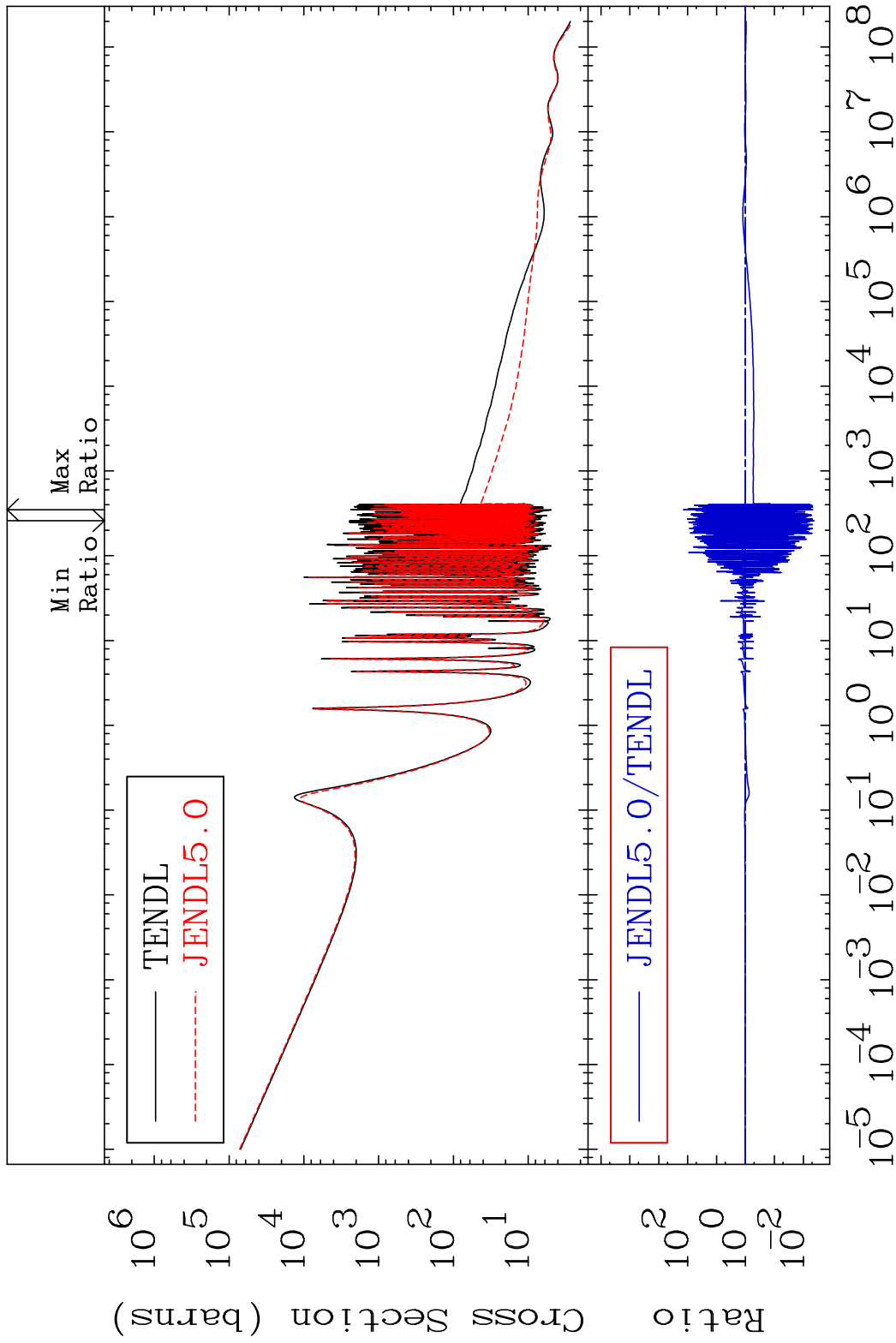
Press Mouse Button to Start

MAT 7128

Total

71-Lu-176

Cross Section -99.57 To 9999. %



71-Lu-176

Incident Energy (eV)

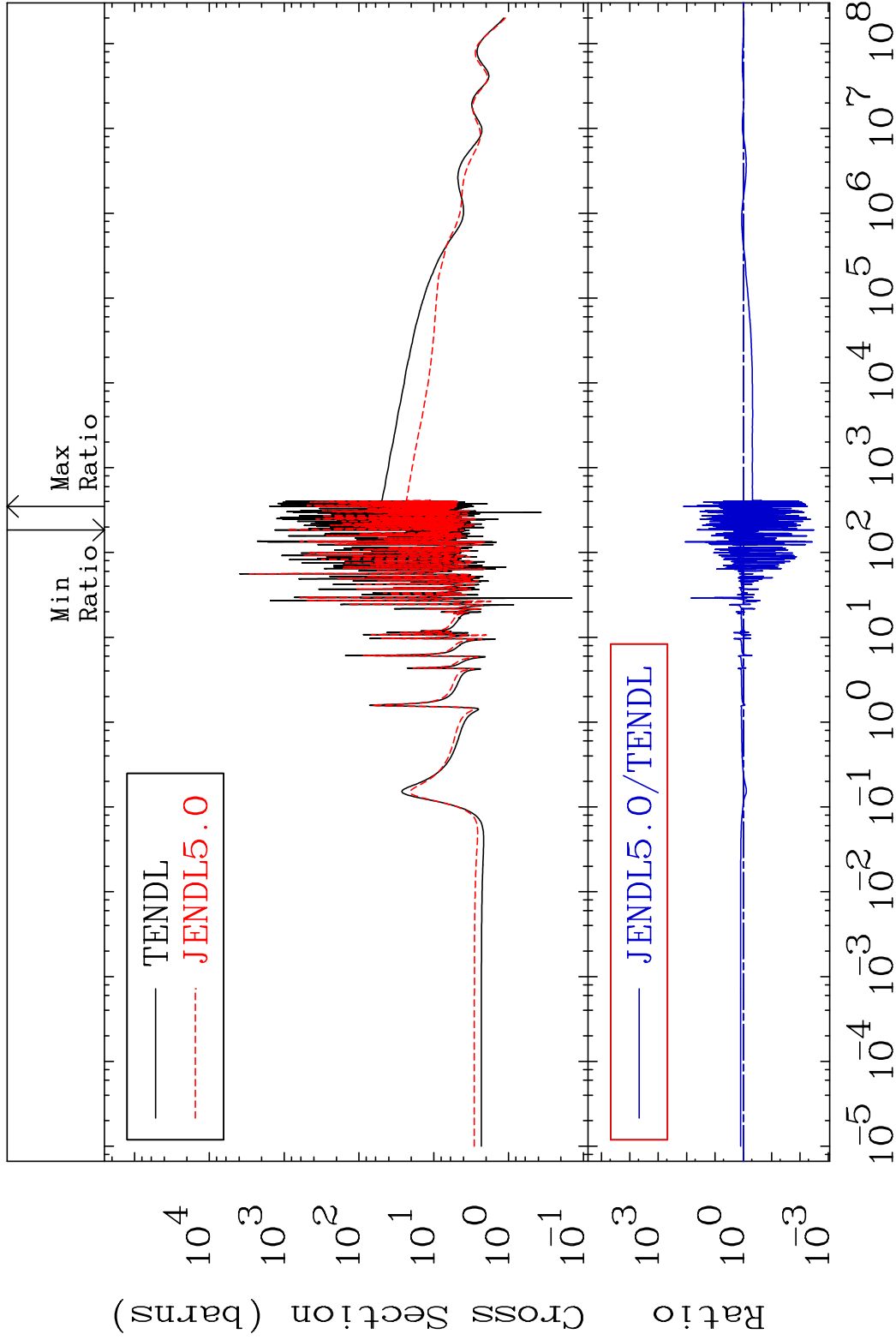
1

MAT 7128

Elastic

71-Lu-176

Cross Section -99.68 To 9999. %

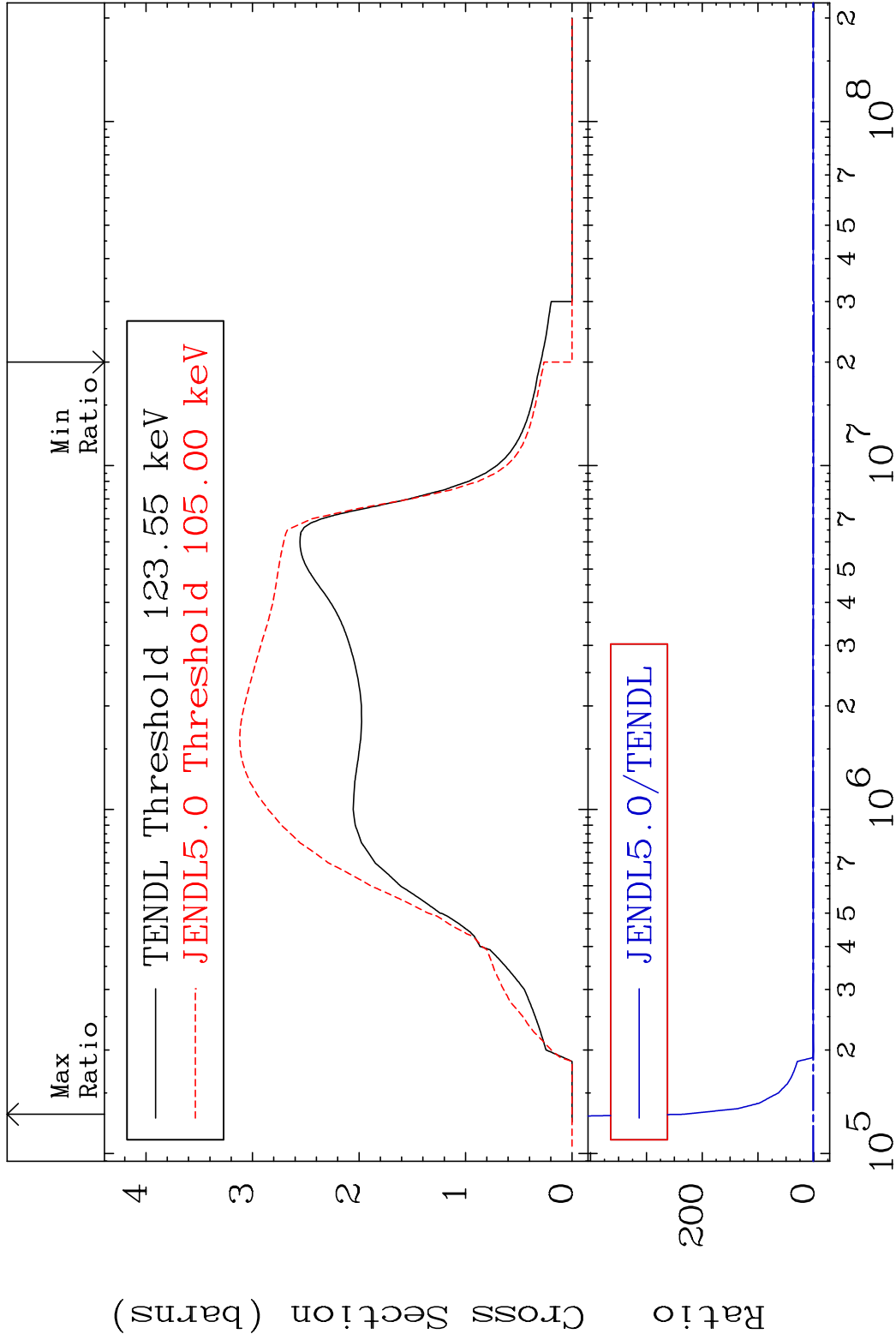


2

Incident Energy (eV)

71-Lu-176

MAT 7128 Inelastic 71-Lu-176  
Cross Section -100.0 To 9999. %



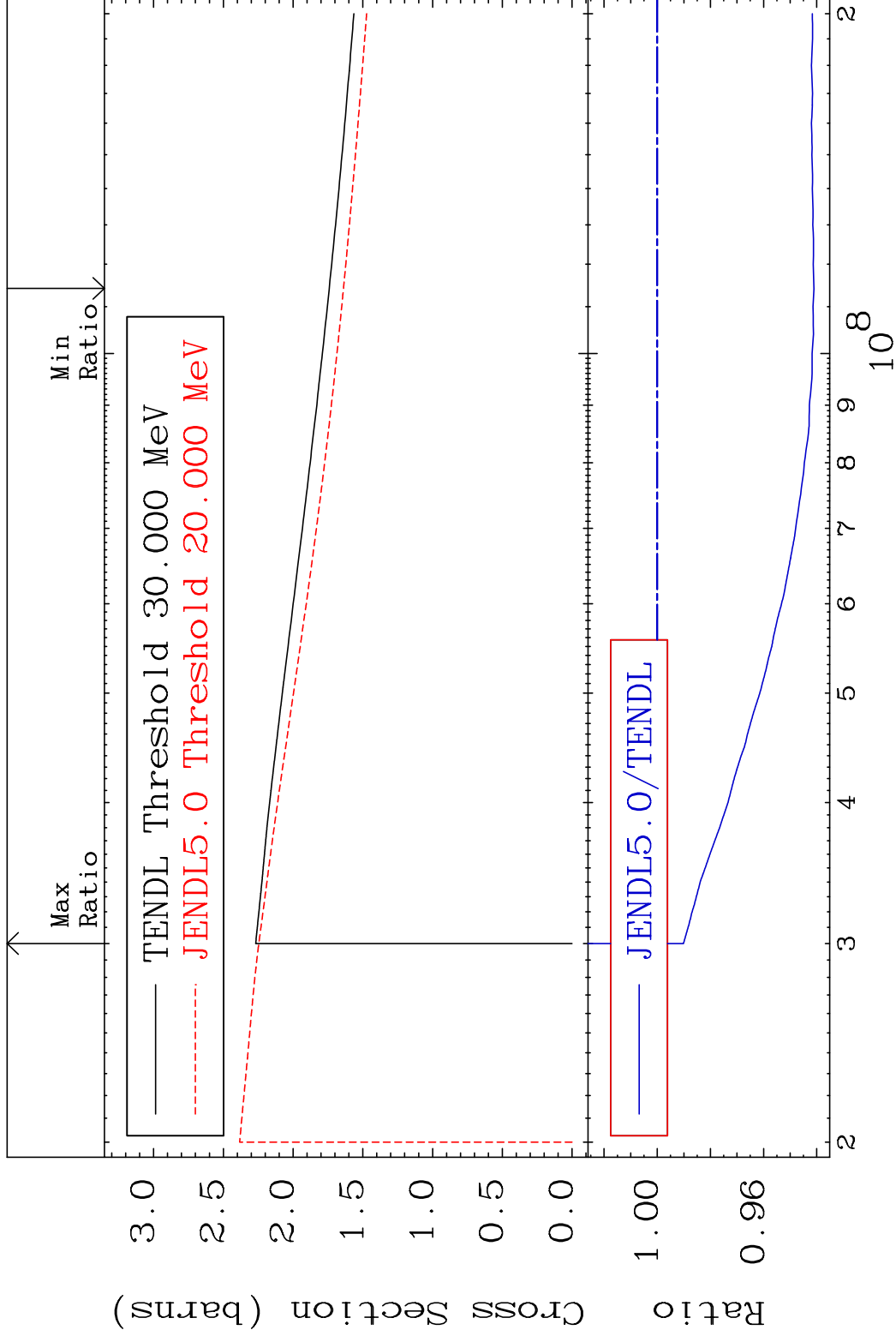
3 Incident Energy (eV) 71-Lu-176

MAT 7128

(n, remainder)

71-Lu-176

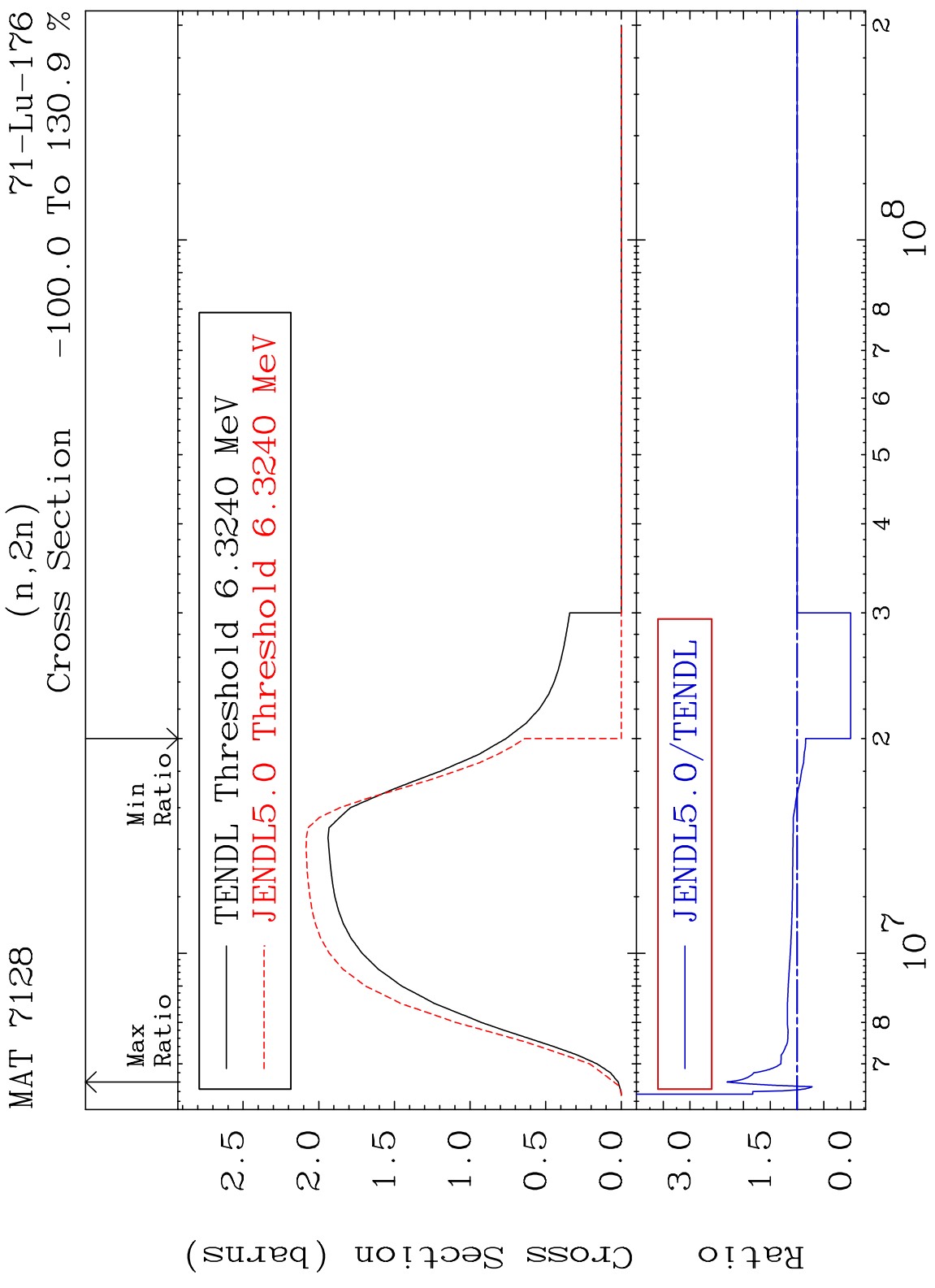
Cross Section -5.892 To -0.985%



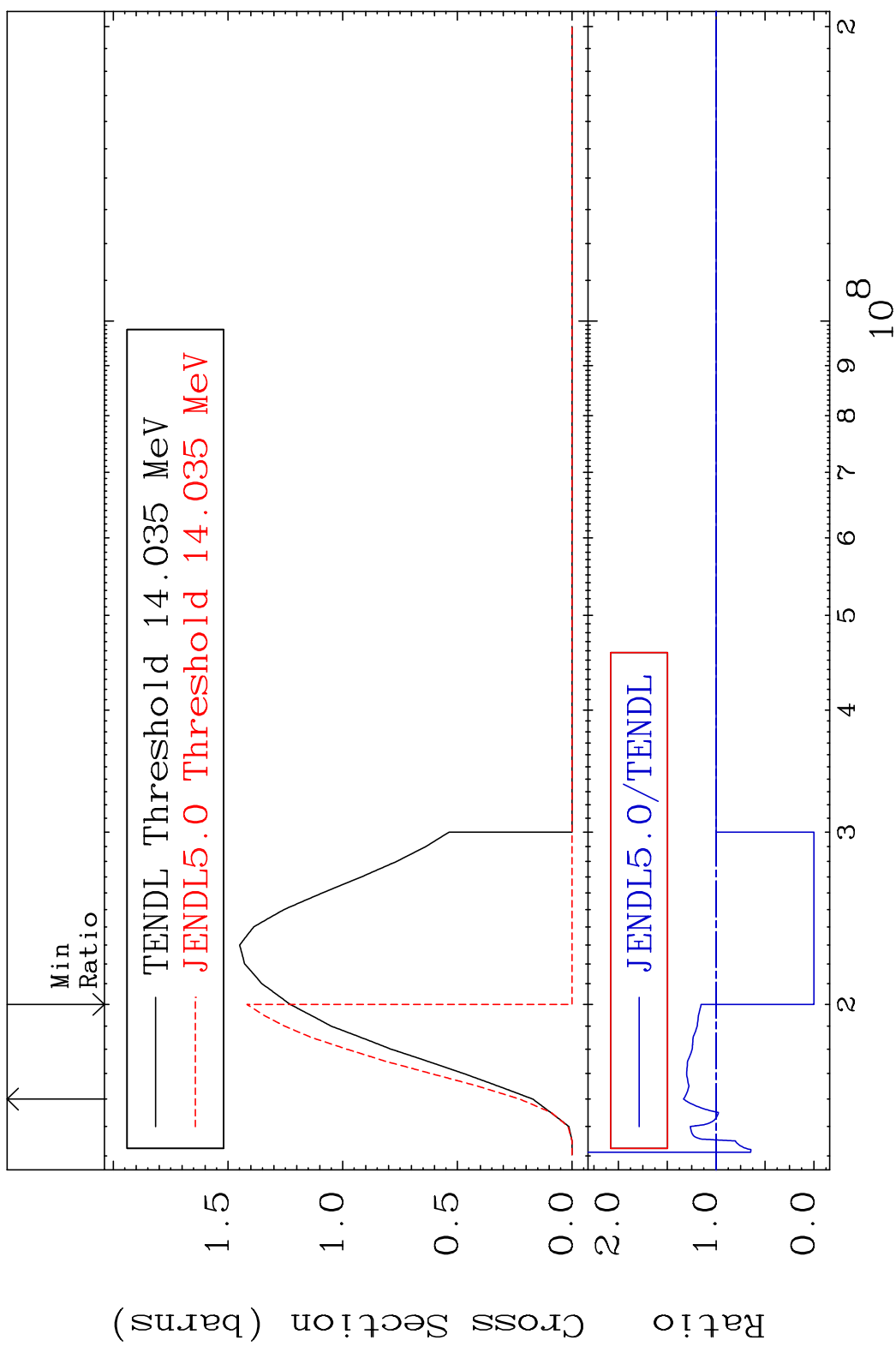
4

Incident Energy (eV)

71-Lu-176



MAT 7128 (n,3n) 71-Lu-176  
 Cross Section -100.0 To 33.38 %

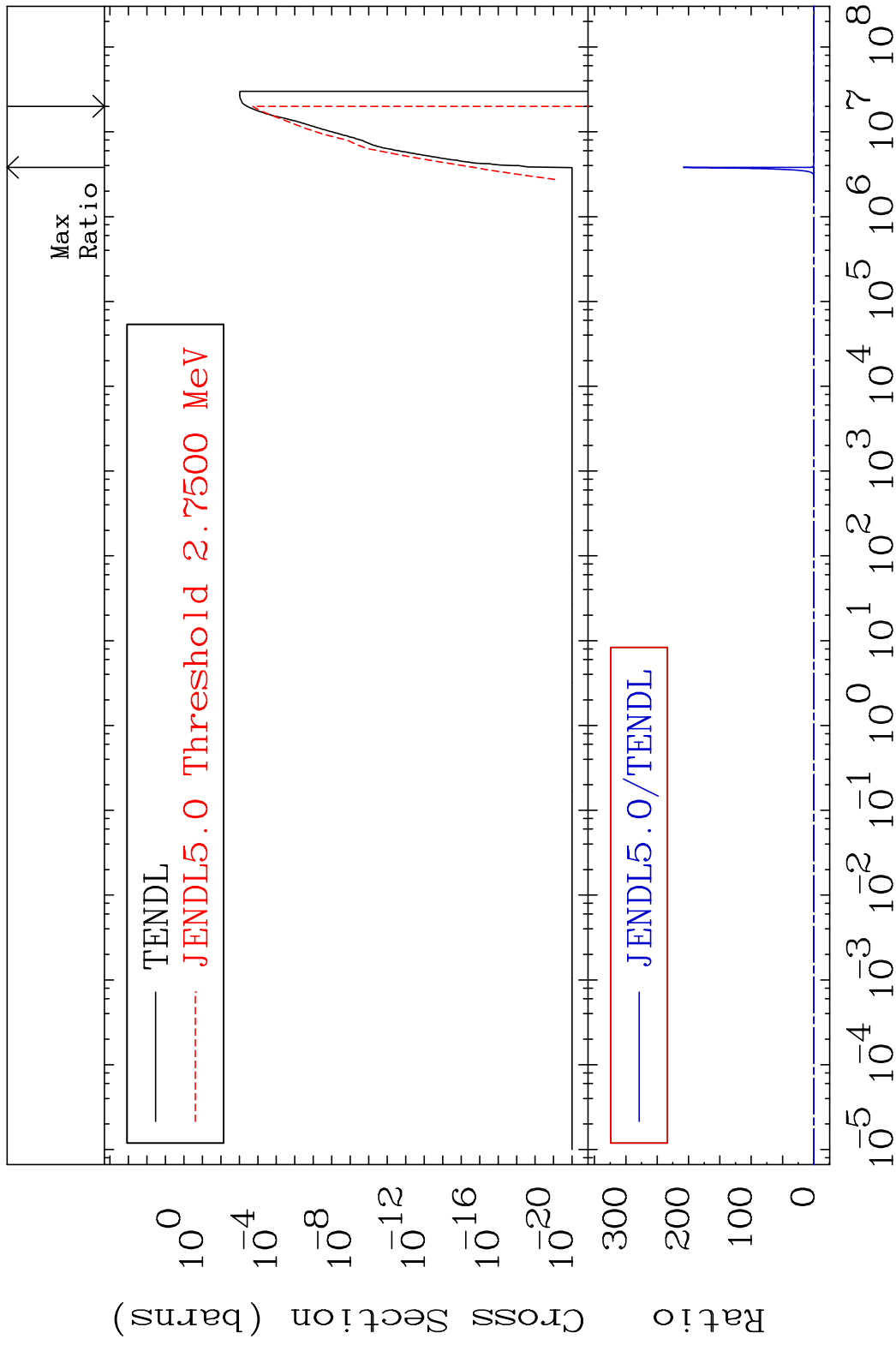


MAT 7128

(n, n')  $\alpha$

71-Lu-176

Cross Section -100.0 To 9999. %



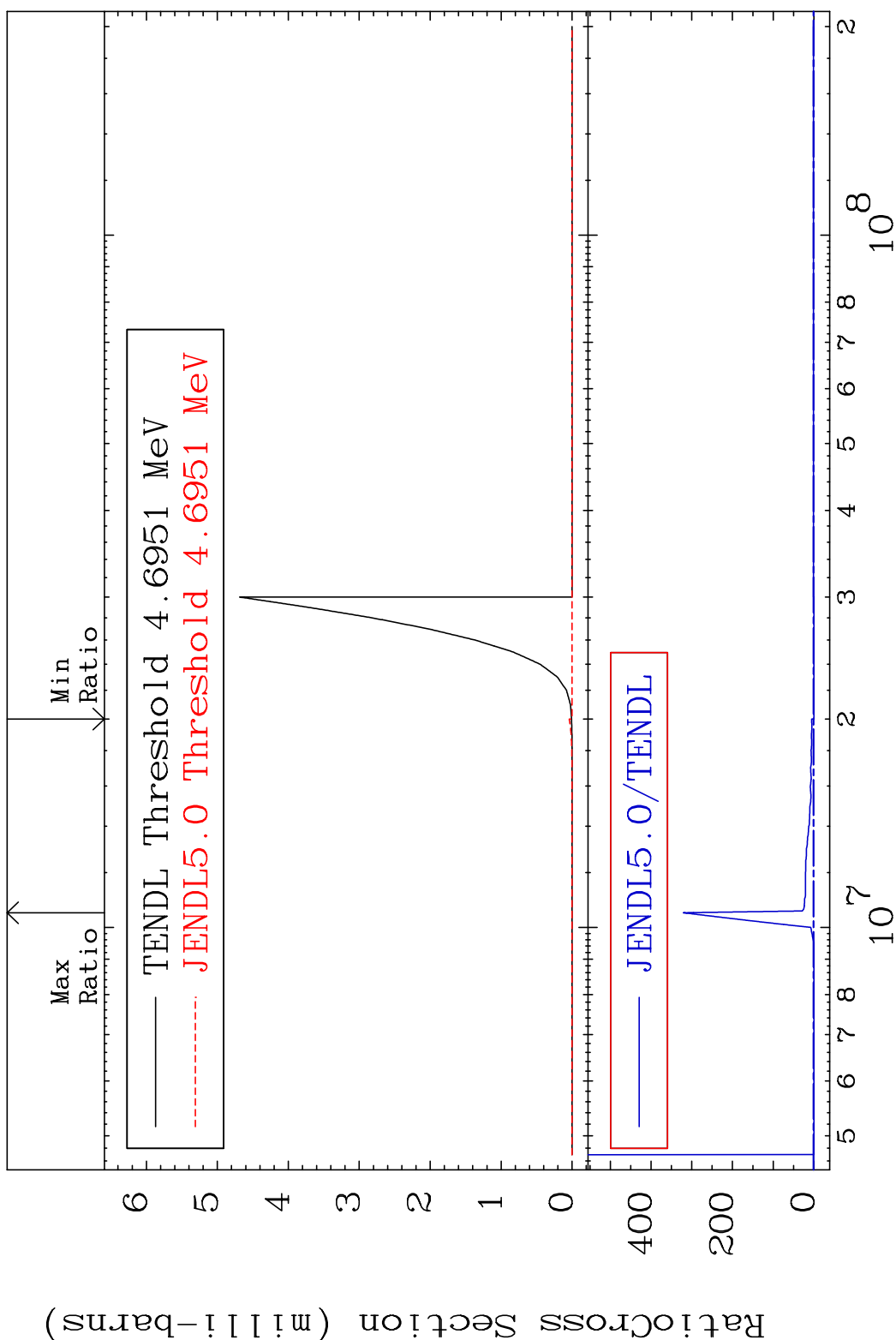
7

Incident Energy (eV)

71-Lu-176

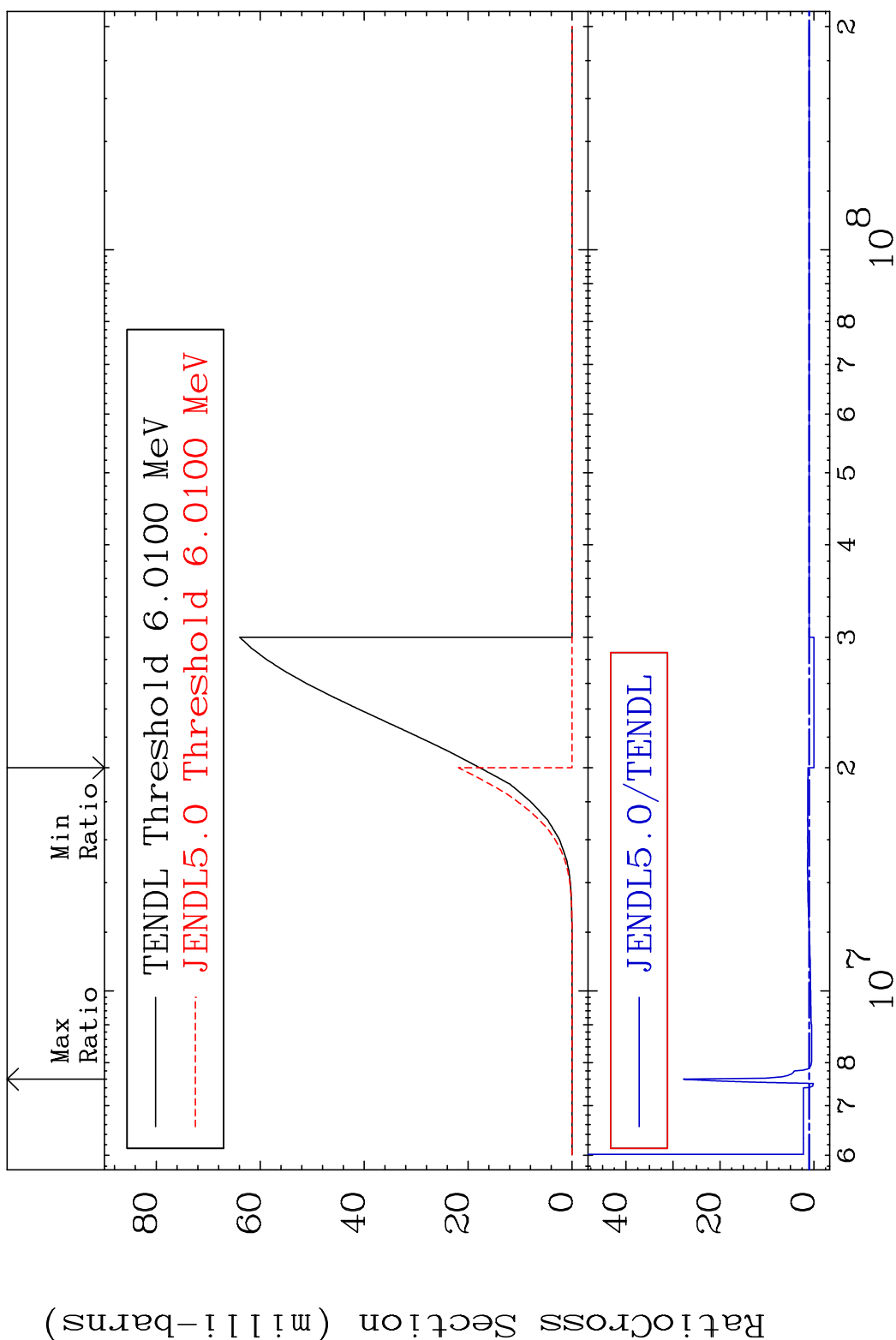


MAT 7128 (n,2n)  $\alpha$  71-Lu-176  
 Cross Section -100.0 To 9999. %

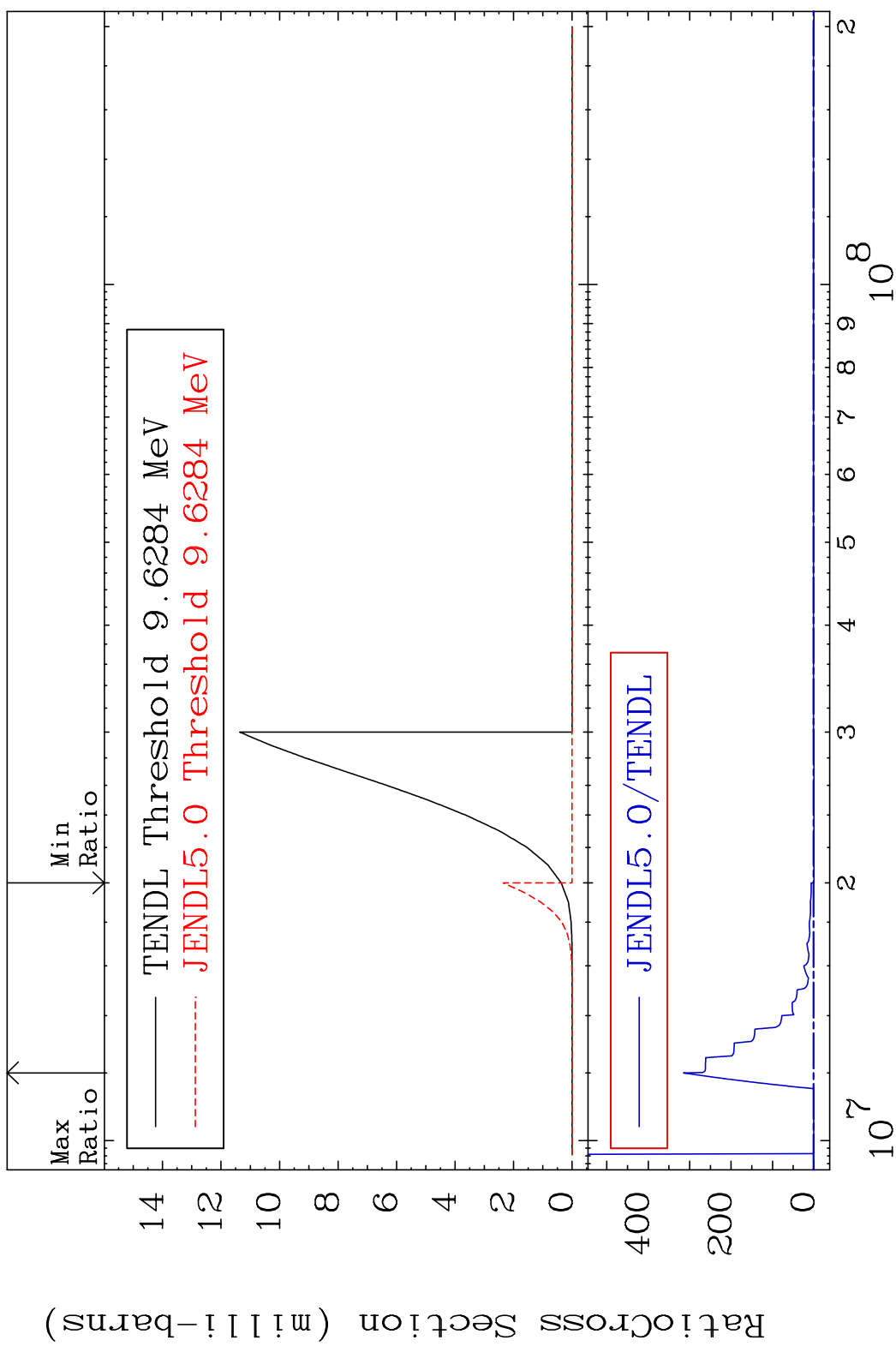


8 Incident Energy (eV) 71-Lu-176

MAT 7128 (n, n') p 71-Lu-176  
 Cross Section -100.0 To 2677. %



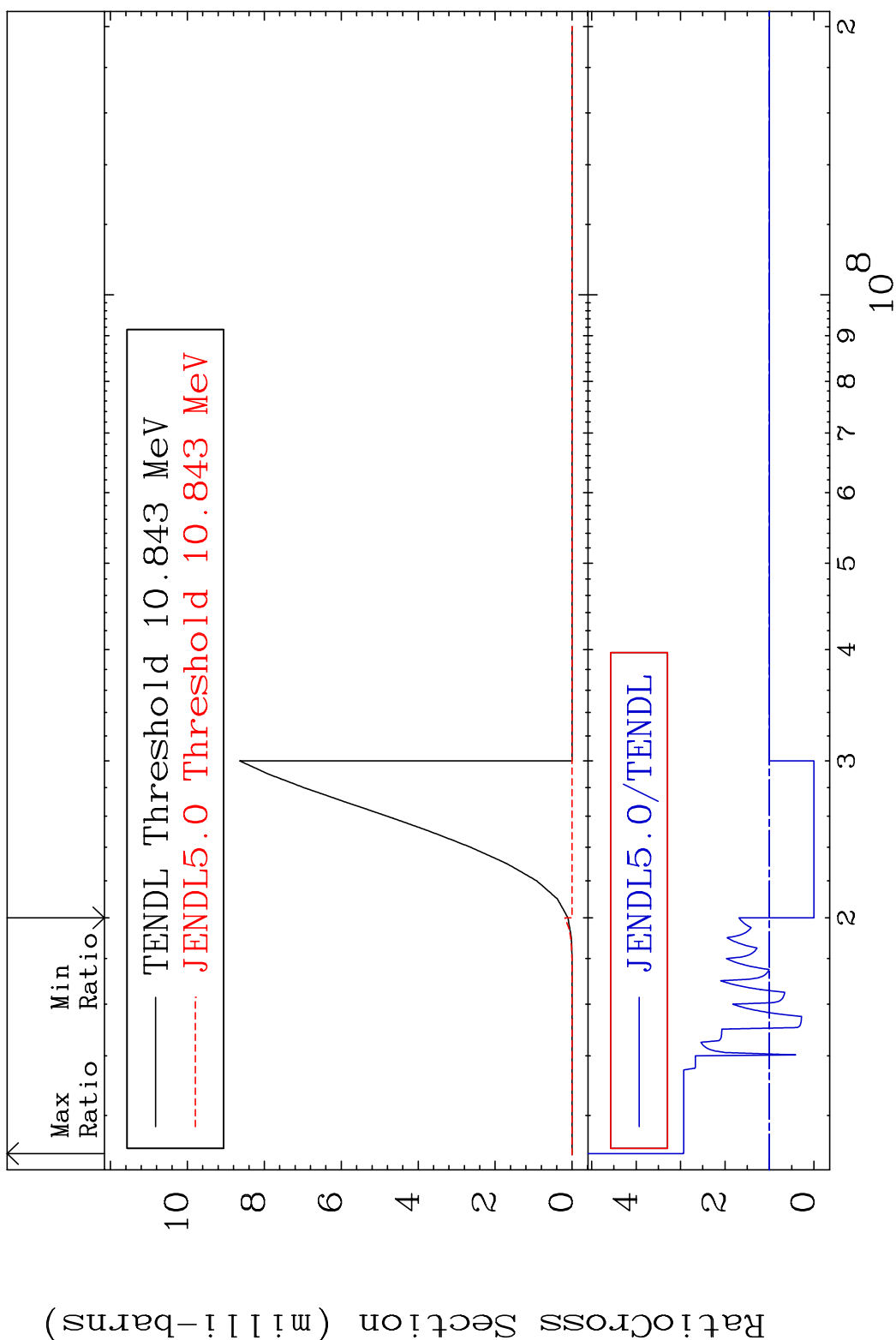
MAT 7128 (n, n') d 71-Lu-176  
 Cross Section -100.0 To 9999. %



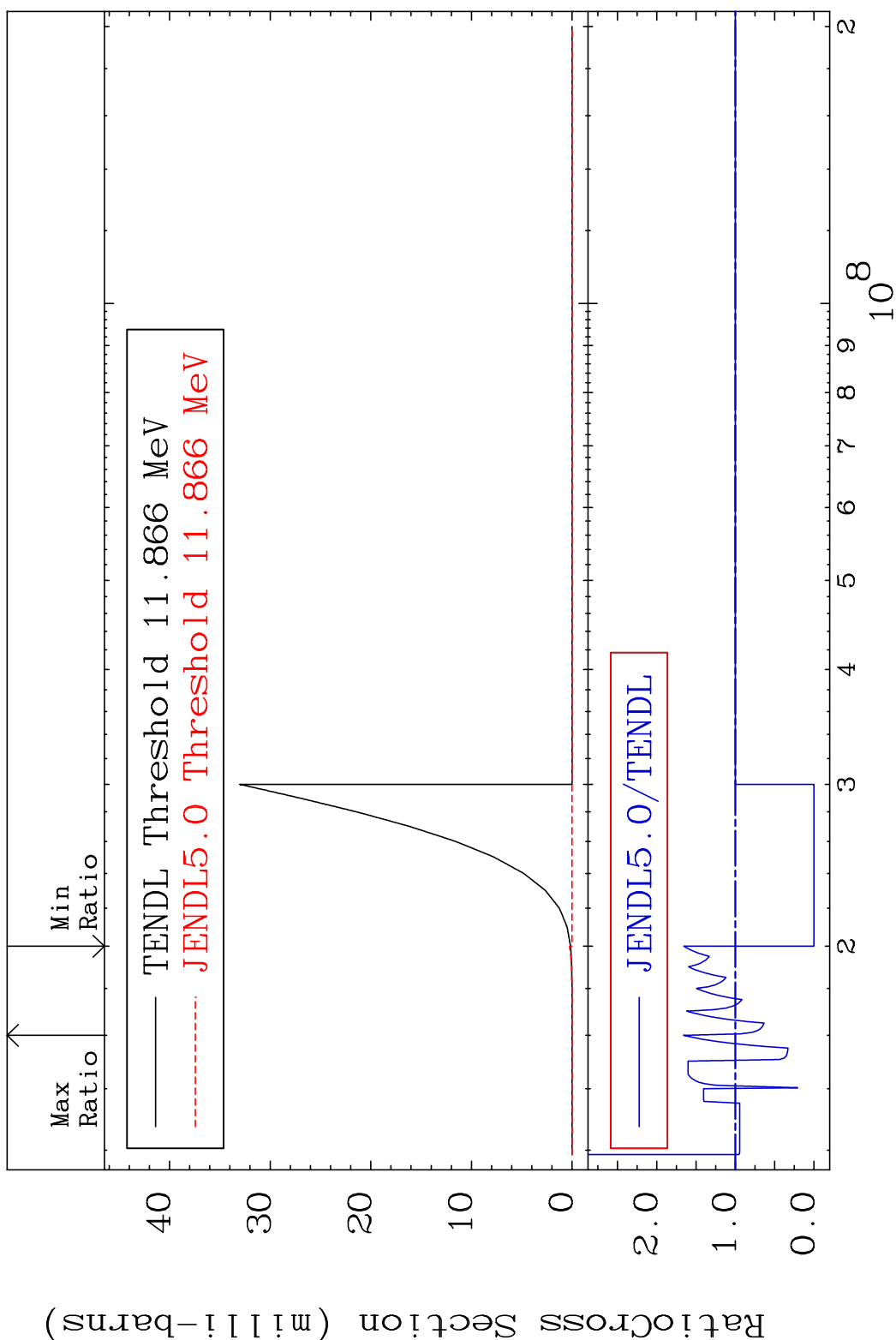
10 100 1000 10000 100000 1000000 10000000 100000000 200000000

71-Lu-176

MAT 7128 (n, n') t 71-Lu-176  
 Cross Section -100.0 To 193.5 %

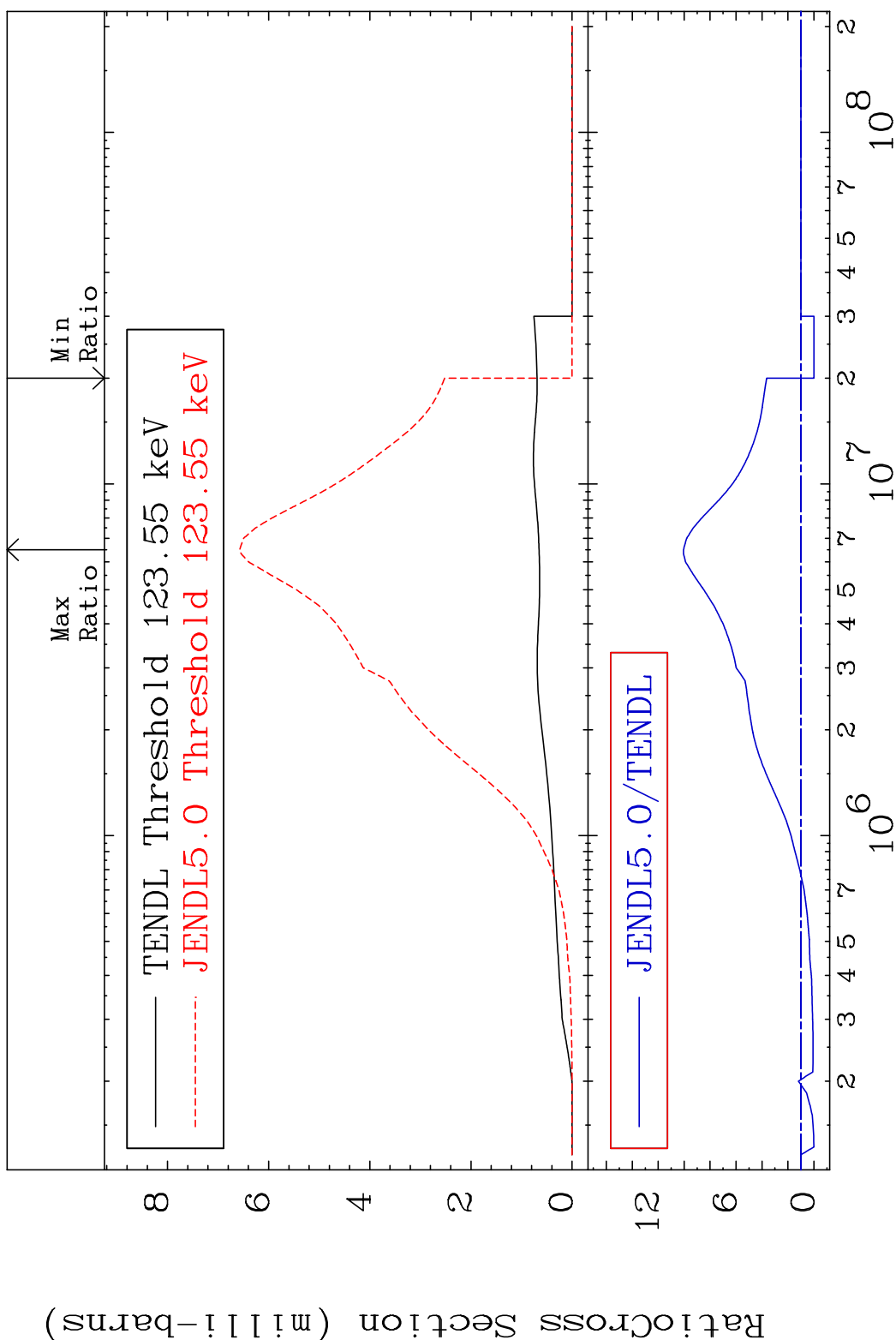


MAT 7128 (n,2n) p 71-Lu-176  
 Cross Section -100.0 To 66.03 %



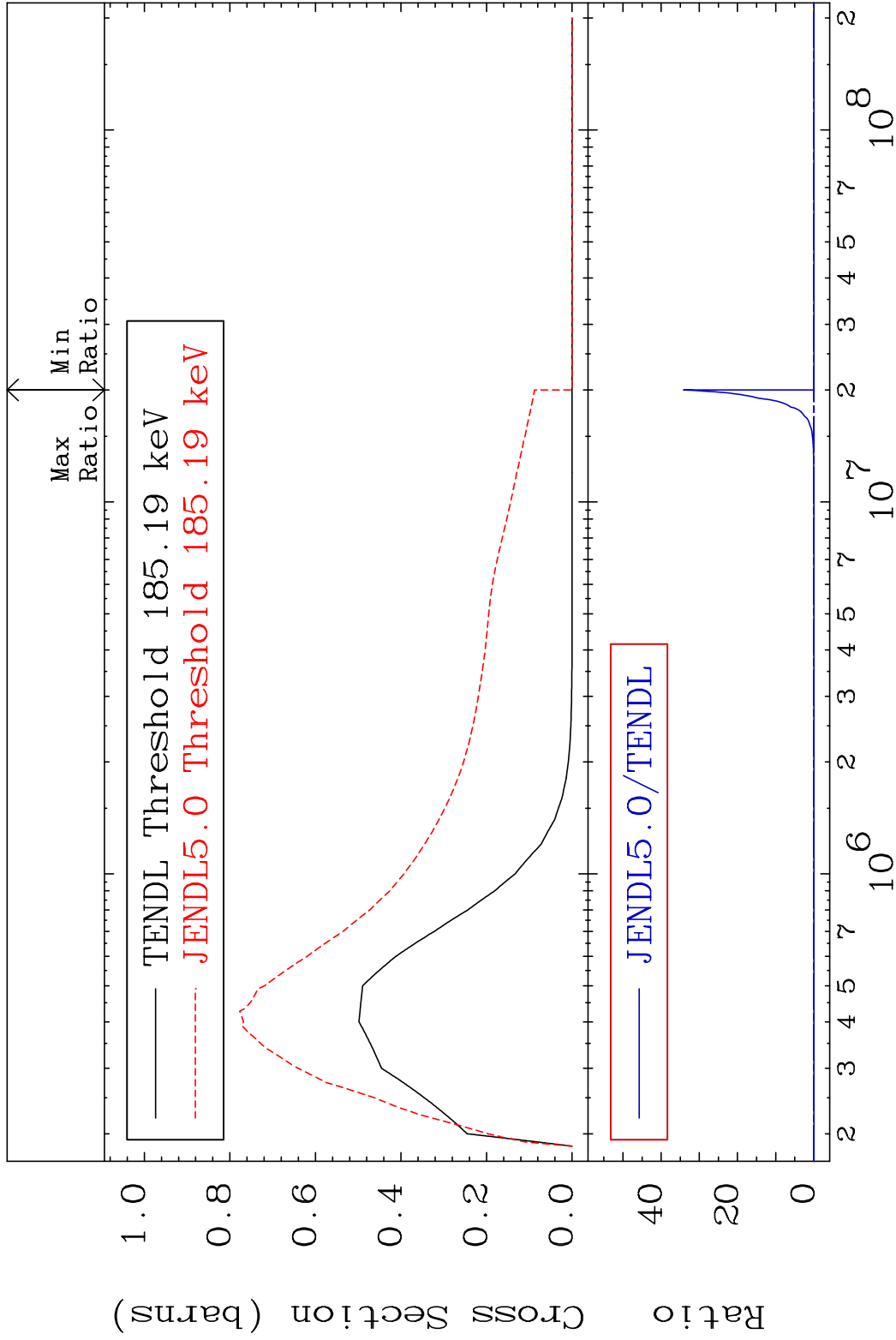
12 Incident Energy (eV) 71-Lu-176

MAT 7128 MT= 51 (n, n') Level 71-Lu-176  
 Cross Section -100.0 To 905.3 %



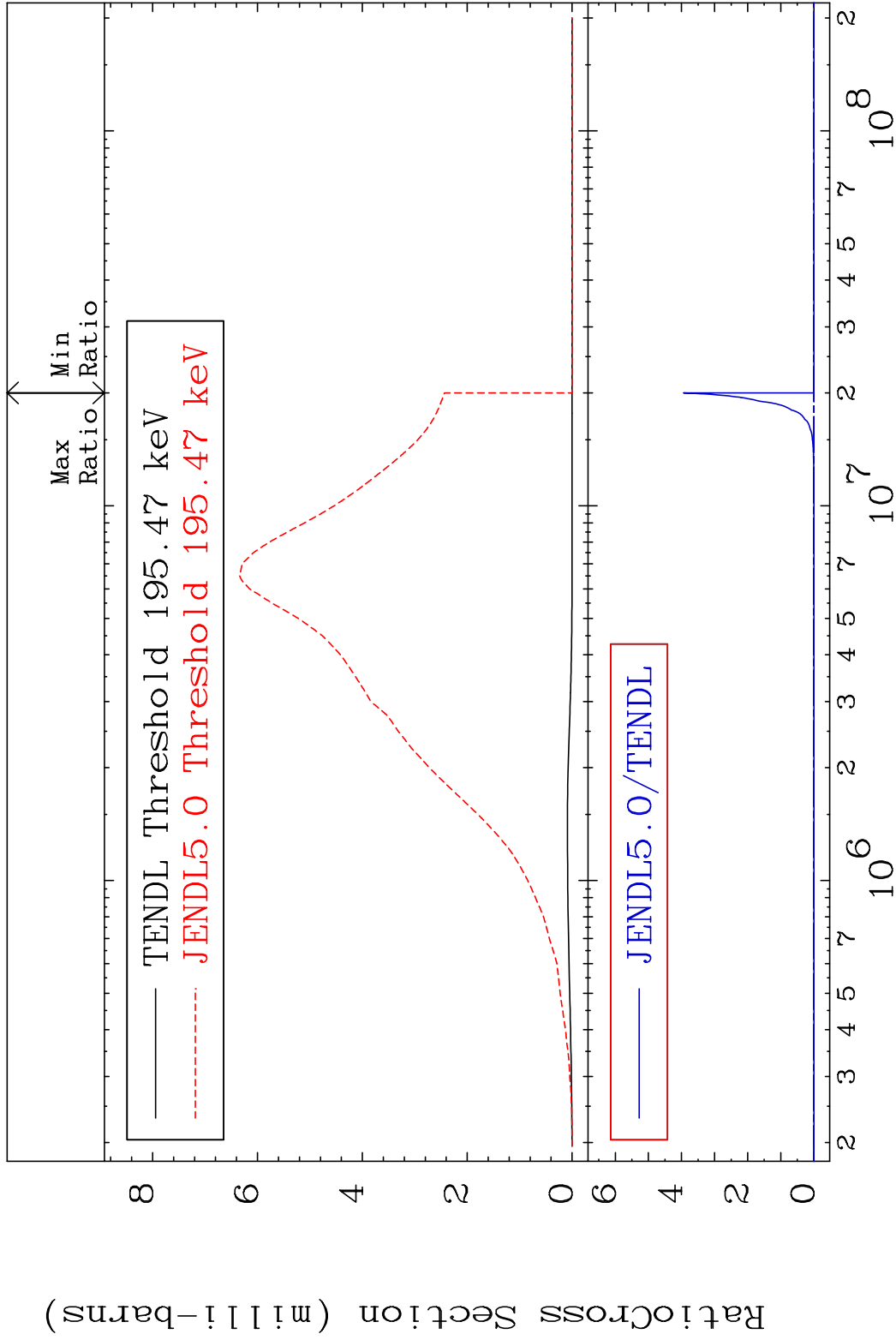
13 Incident Energy (eV) 71-Lu-176

MAT 7128 MT= 52 (n, n') Level 71-Lu-176  
 Cross Section -100.0 To 9999. %



14 Incident Energy (eV) 71-Lu-176

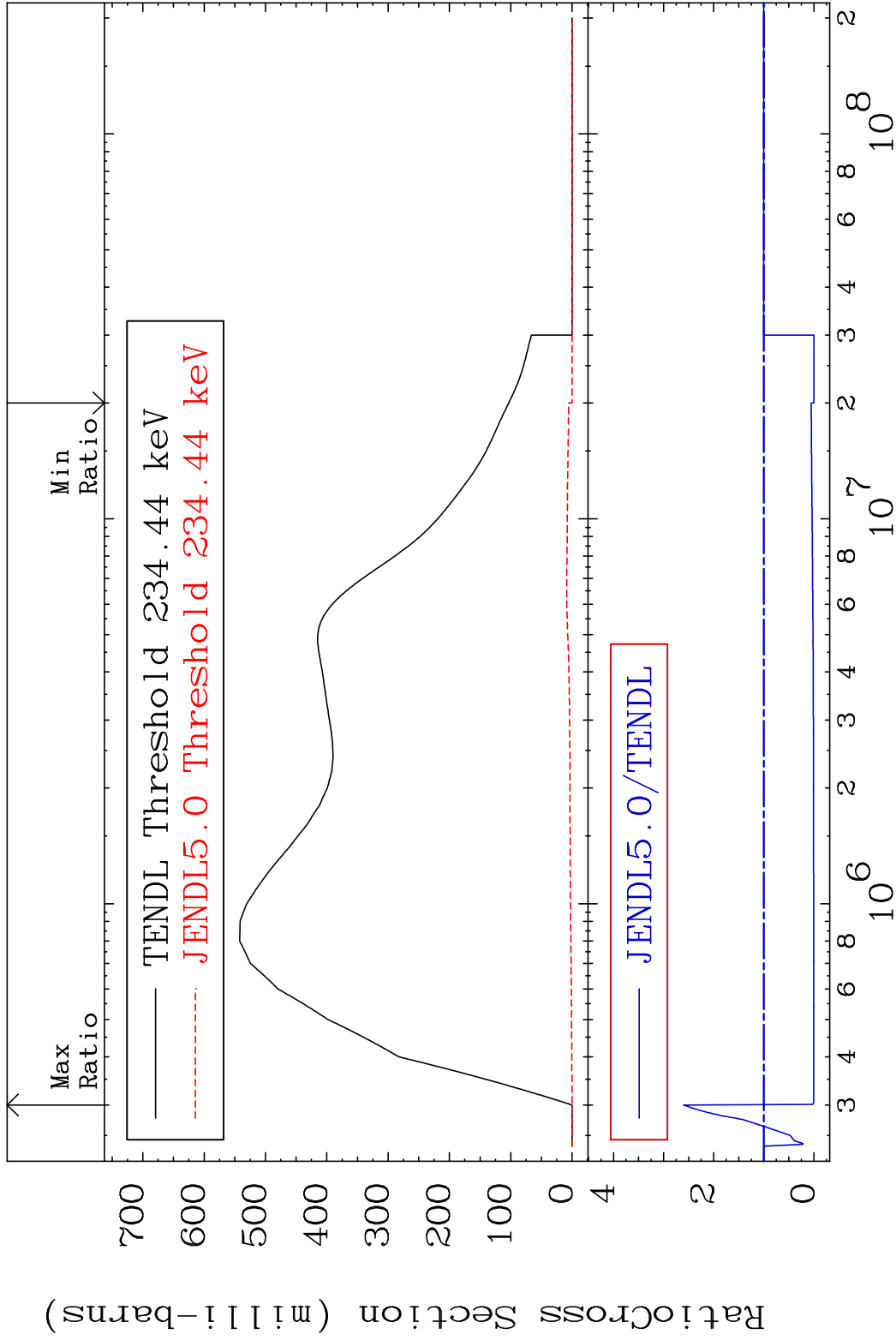
MAT 7128 MT= 53 (n, n') Level 71-Lu-176  
 Cross Section -100.0 To 9999. %



15 71-Lu-176

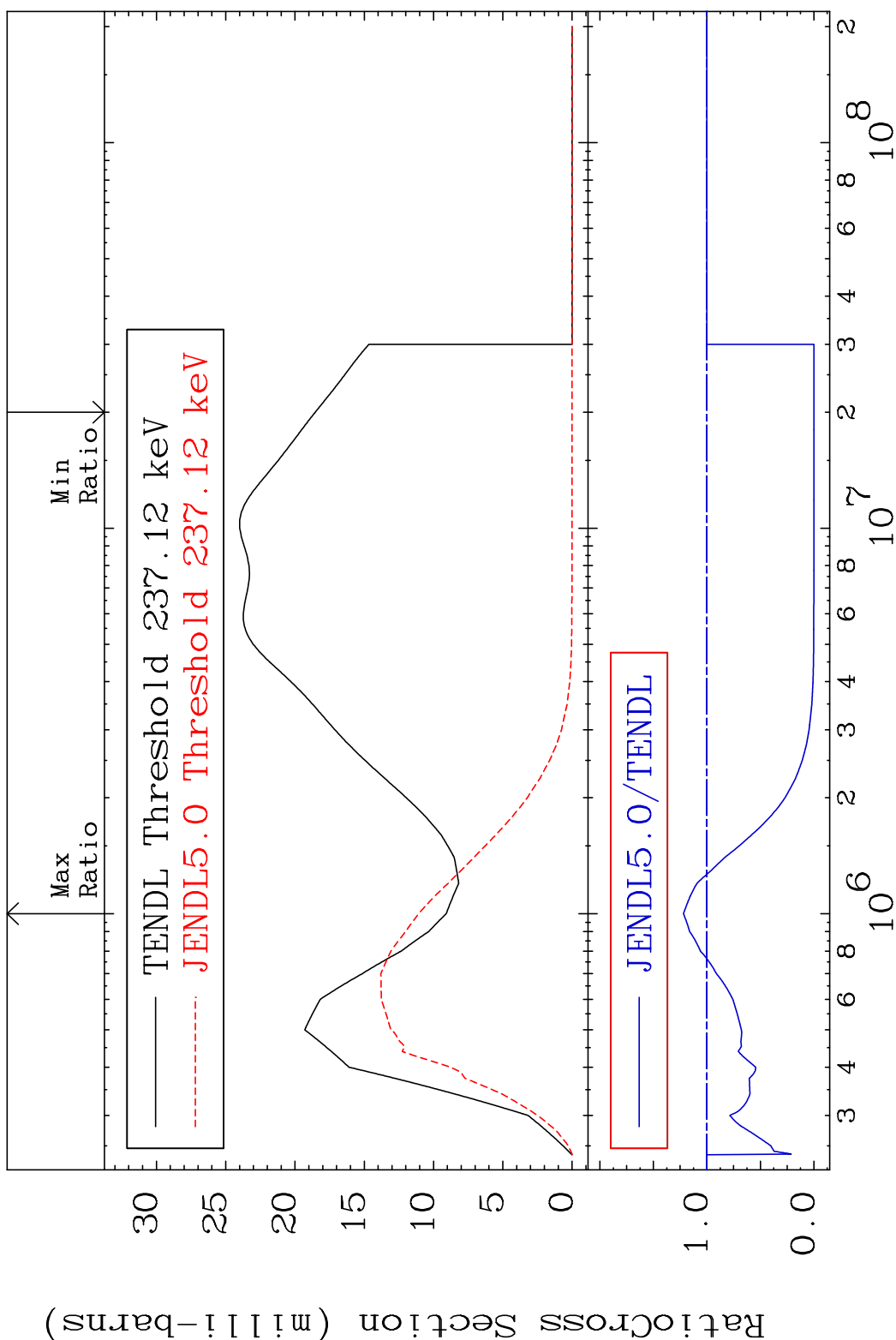


MAT 7128 MT= 54 (n, n') Level 71-Lu-176  
 Cross Section -100.0 To 160.4 %



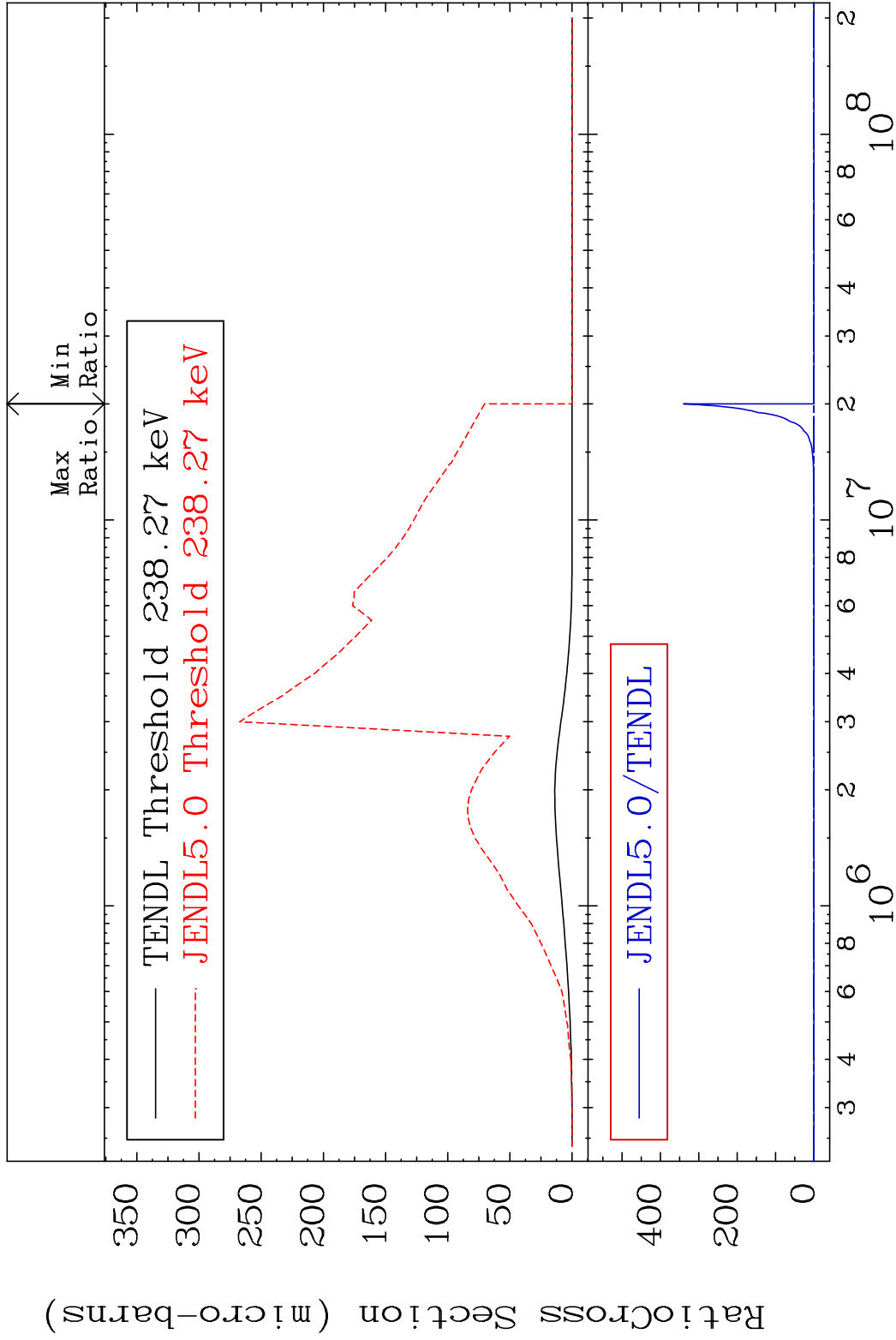
16 Incident Energy (eV) 71-Lu-176

MAT 7128 MT= 55 (n, n') Level 71-Lu-176  
 Cross Section -100.0 To 21.90 %



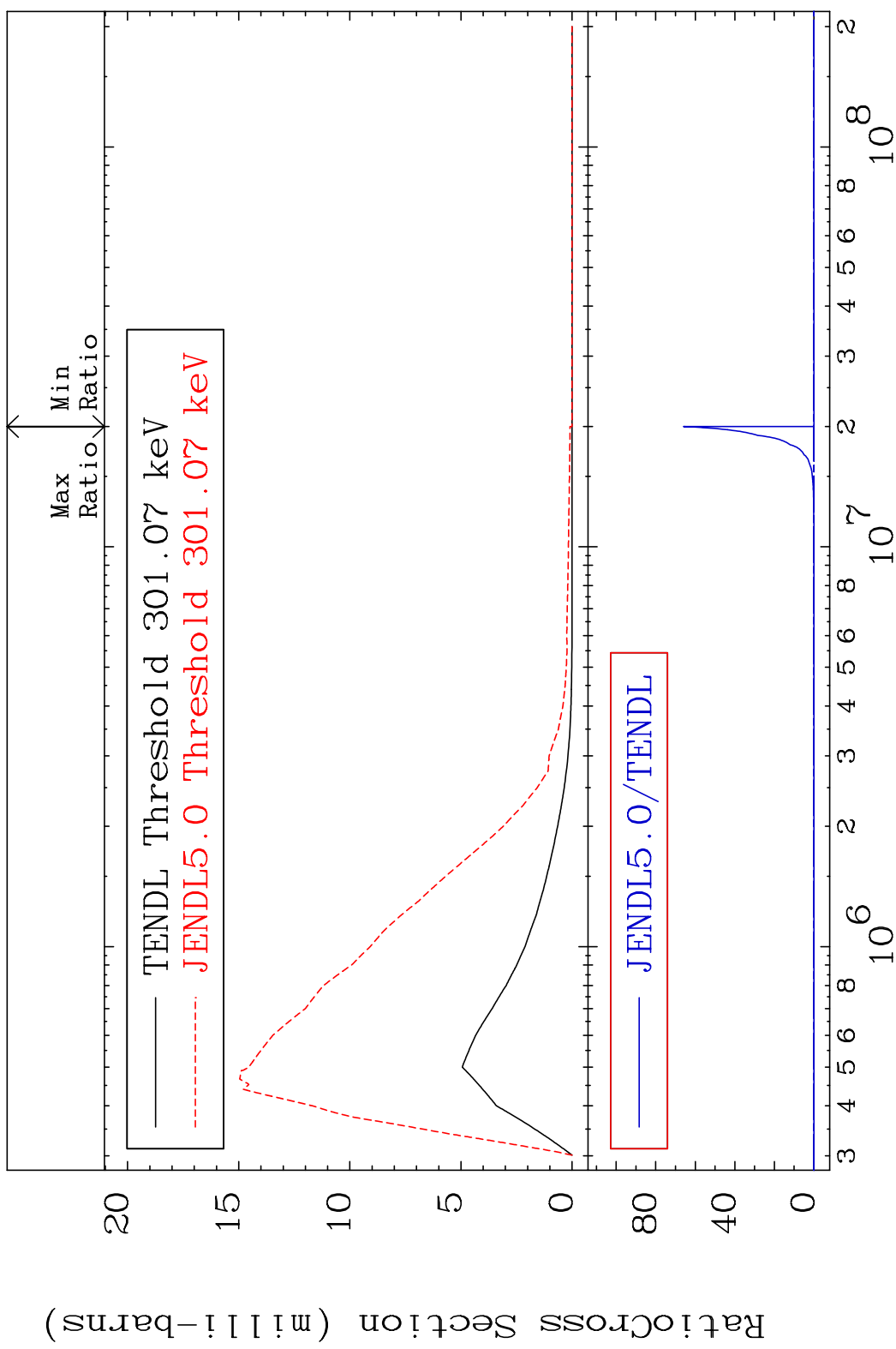
17 Incident Energy (eV) 71-Lu-176

MAT 7128 MT= 56 (n, n') Level 71-Lu-176  
 Cross Section -100.0 To 9999. %



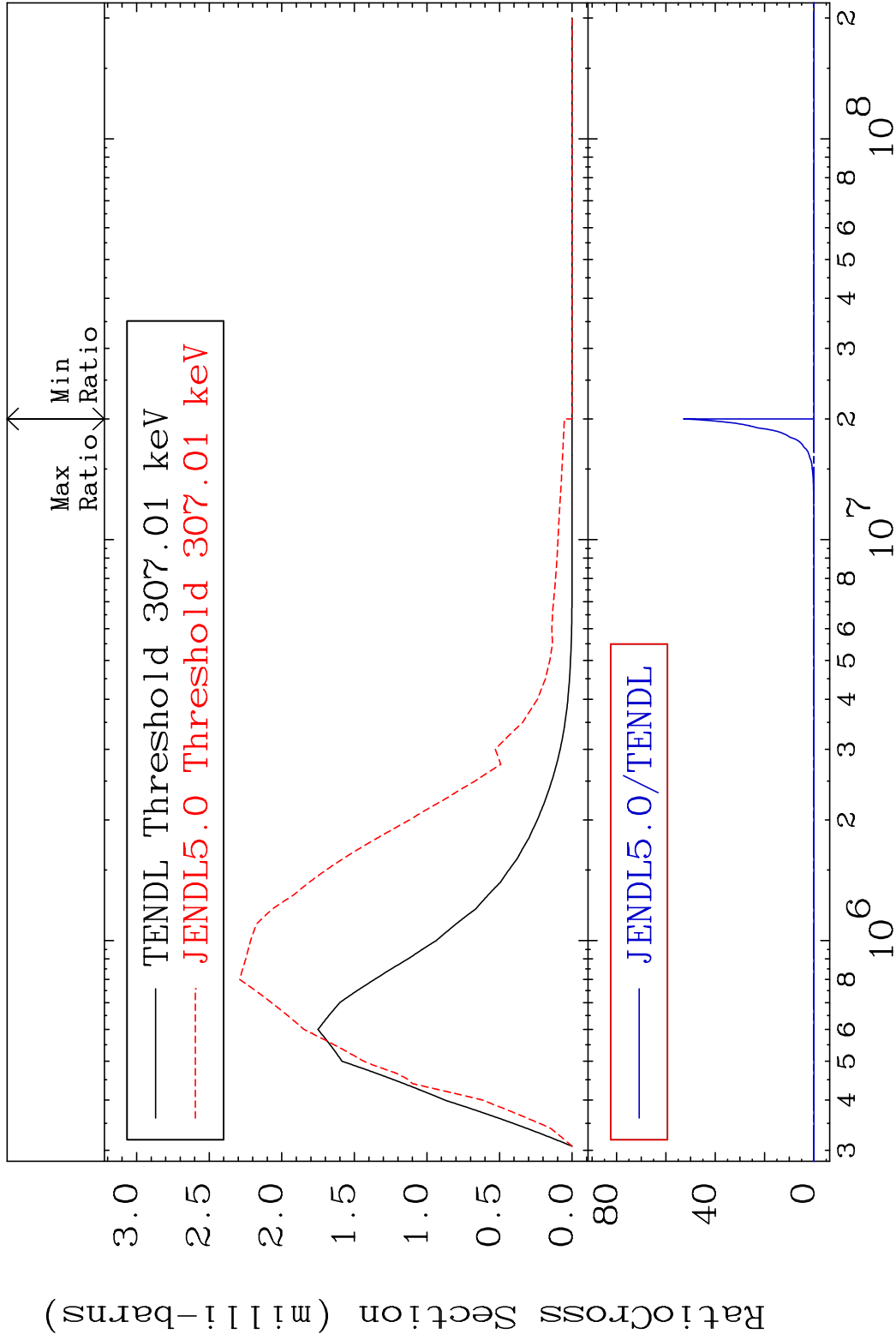
18 Incident Energy (eV) 71-Lu-176

MAT 7128 MT= 57 (n, n') Level 71-Lu-176  
 Cross Section -100.0 To 9999. %



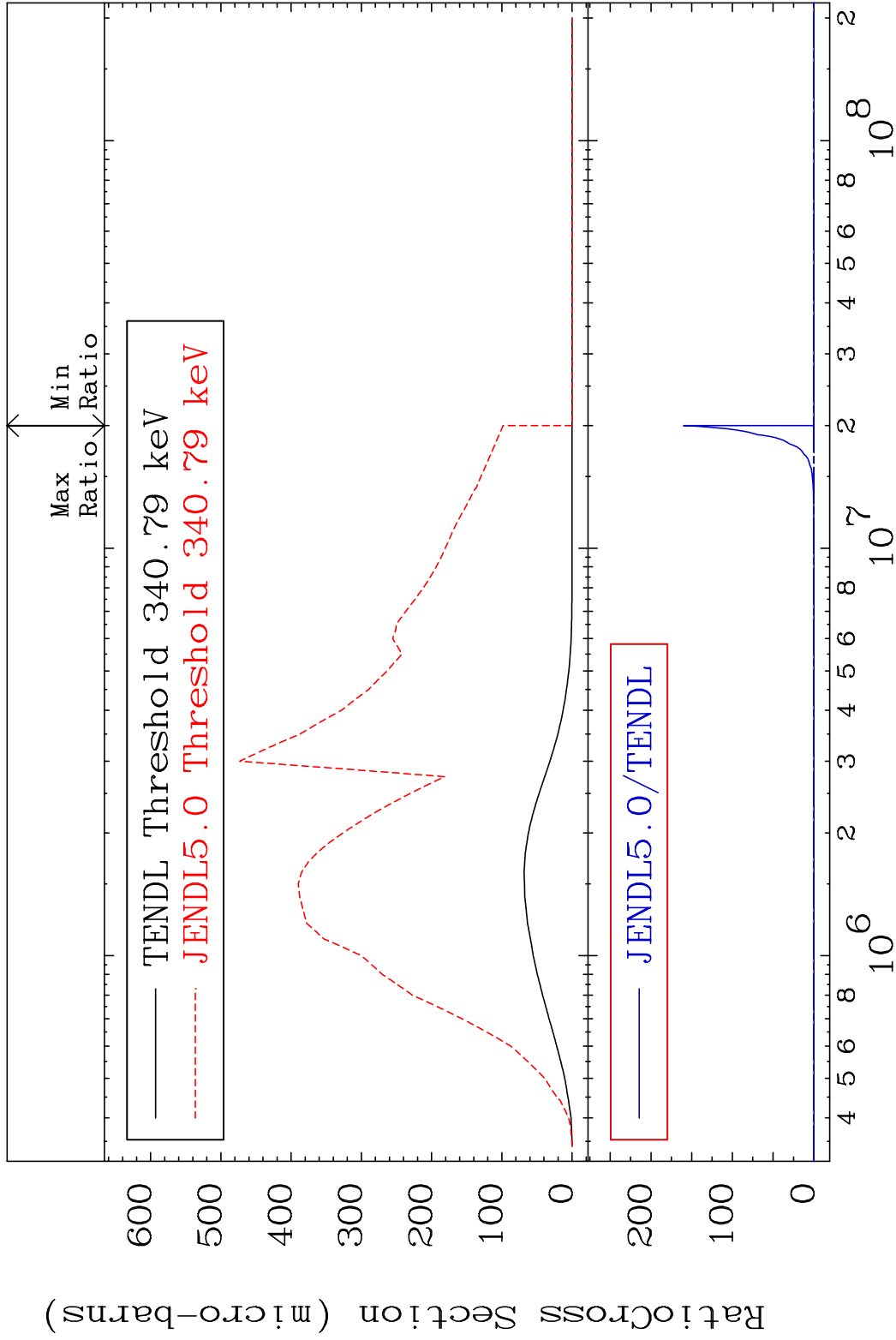
19 Incident Energy (eV) 71-Lu-176

MAT 7128 MT= 58 (n, n') Level 71-Lu-176  
 Cross Section -100.0 To 9999. %

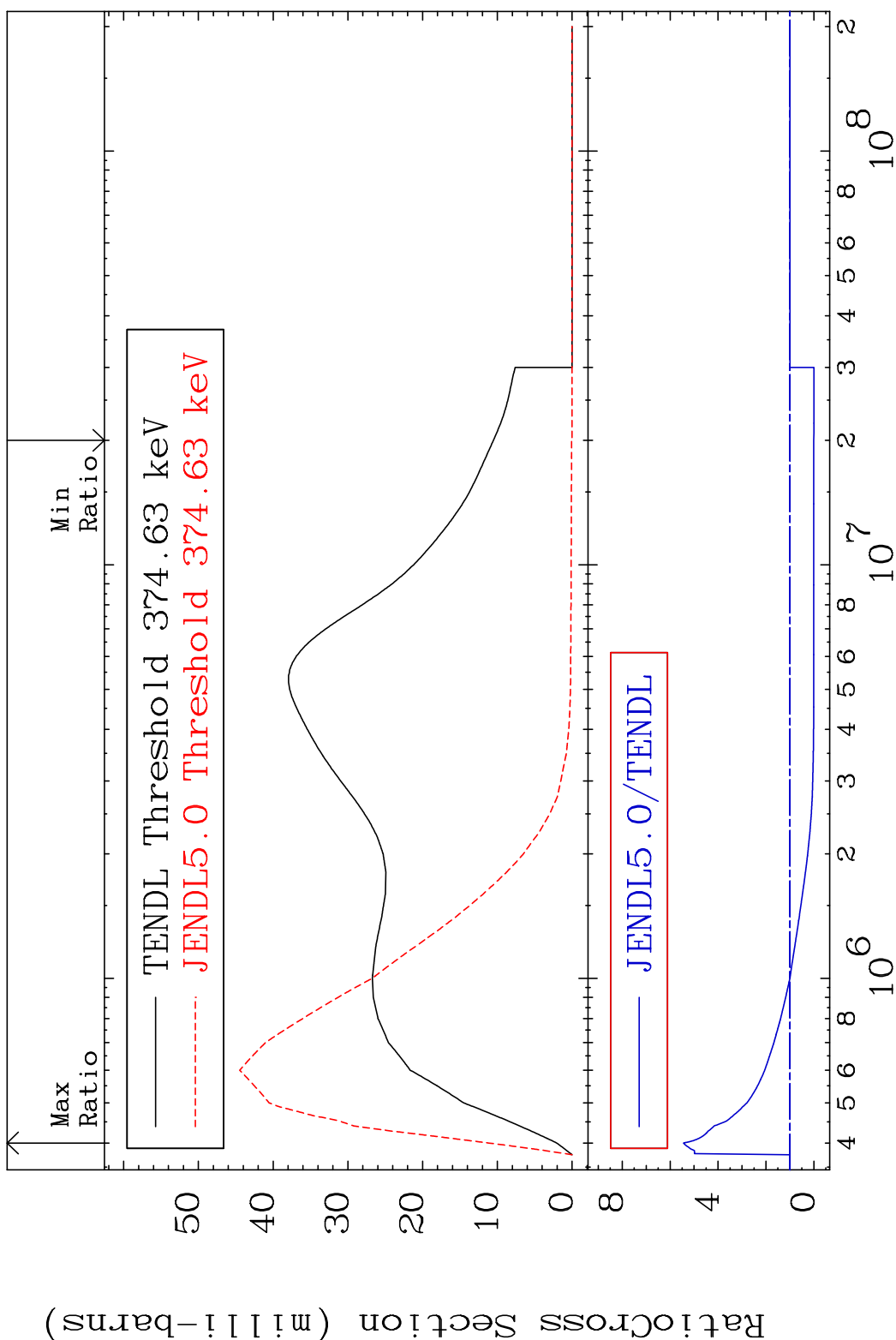


20 Incident Energy (eV) 71-Lu-176

MAT 7128 MT= 59 (n, n') Level 71-Lu-176  
 Cross Section -100.0 To 9999. %

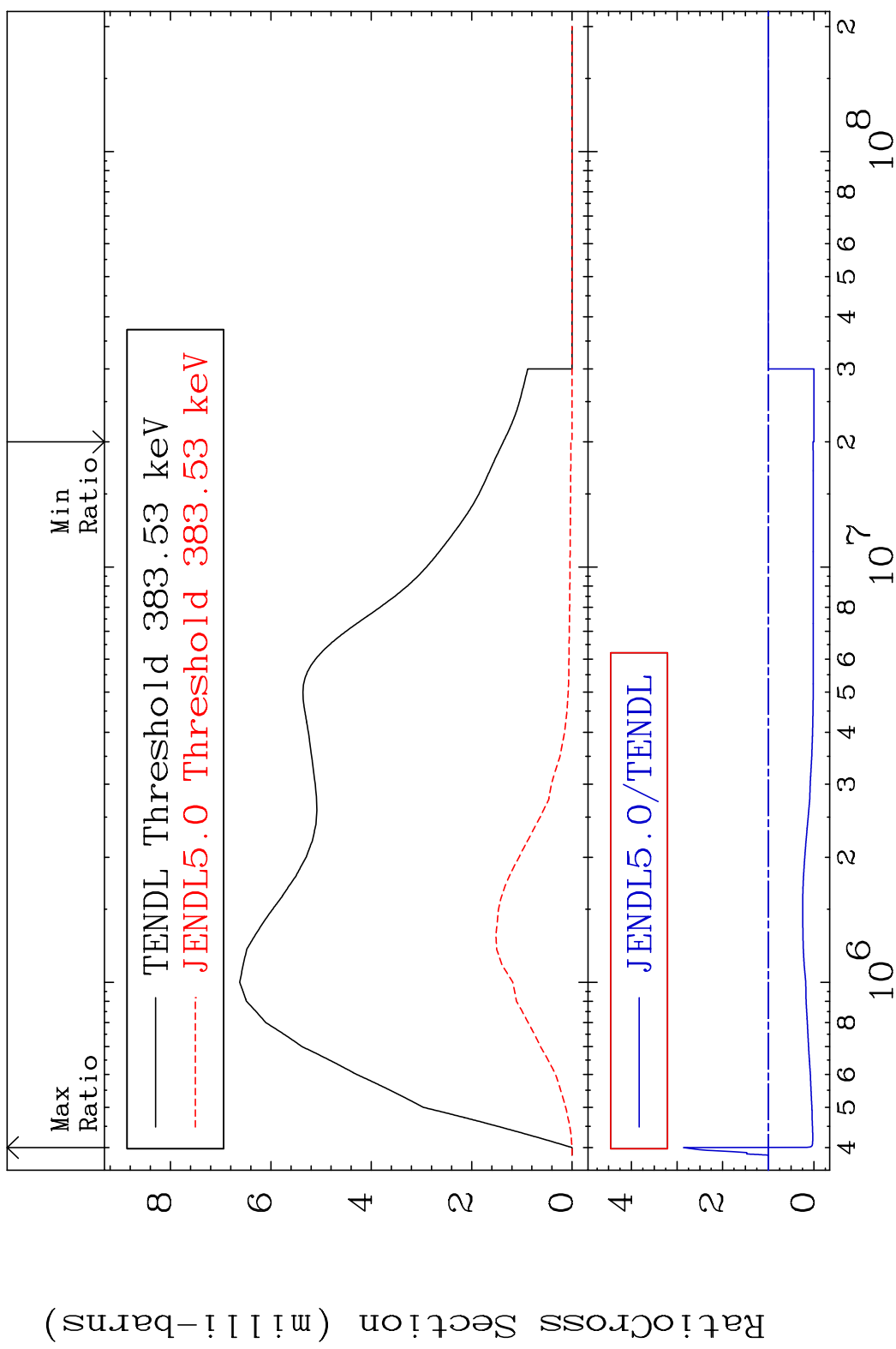


MAT 7128 MT= 60 (n, n') Level 71-Lu-176  
 Cross Section -100.0 To 444.4 %



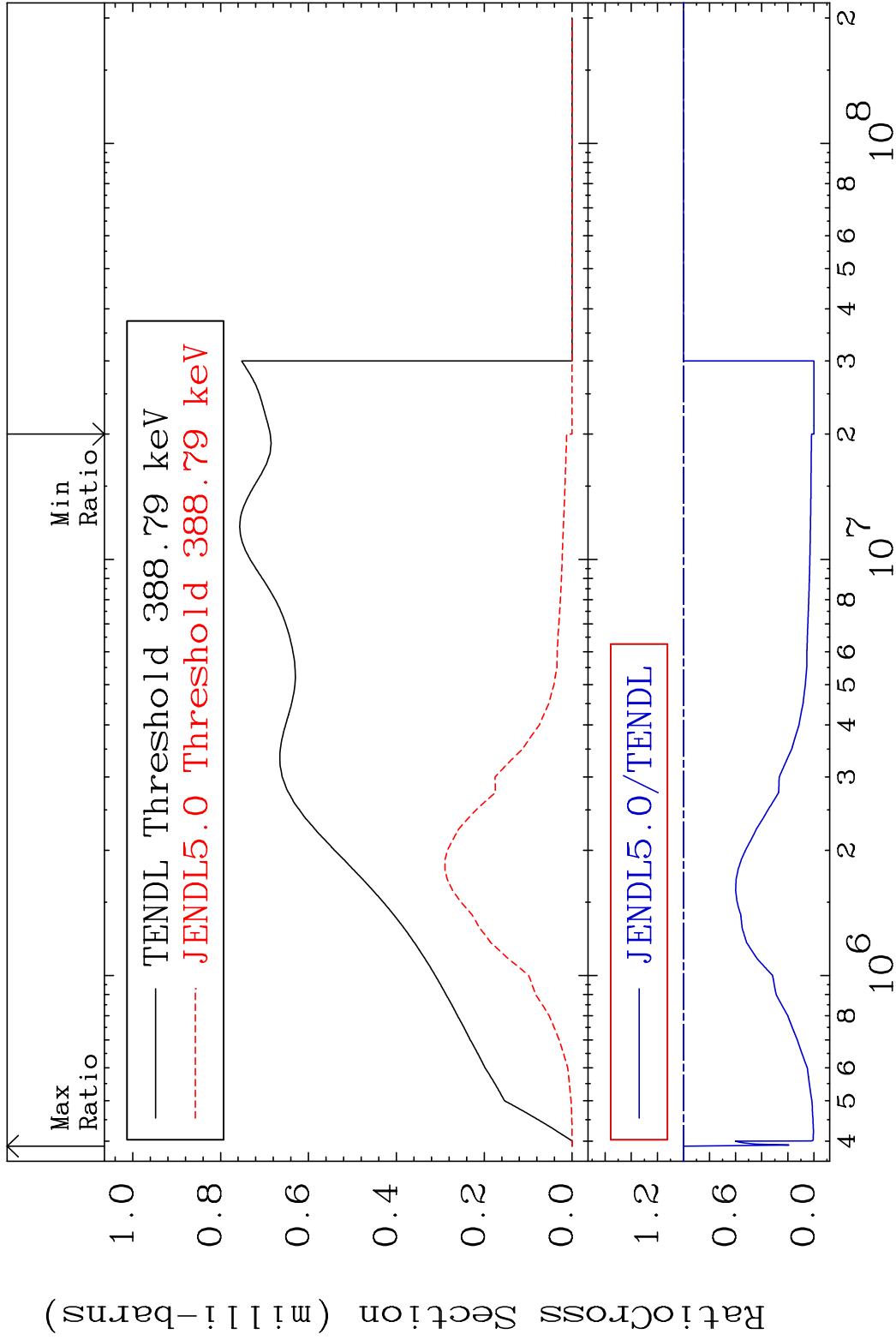
22 Incident Energy (eV) 71-Lu-176

MAT 7128 MT= 61 (n, n') Level 71-Lu-176  
 Cross Section -100.0 To 185.9 %

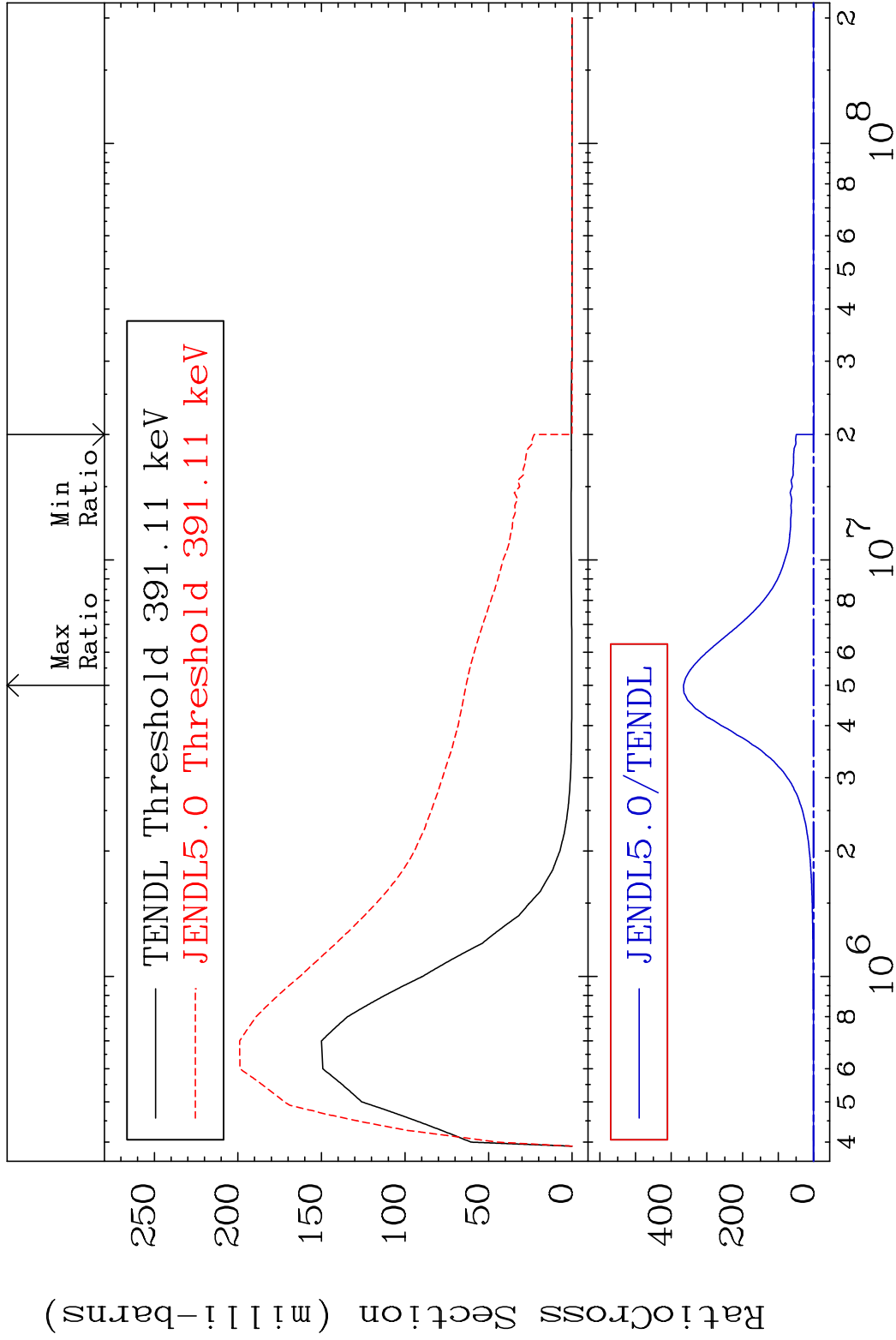




MAT 7128 MT= 62 (n, n') Level 71-Lu-176  
 Cross Section -100.0 To 0.000 %

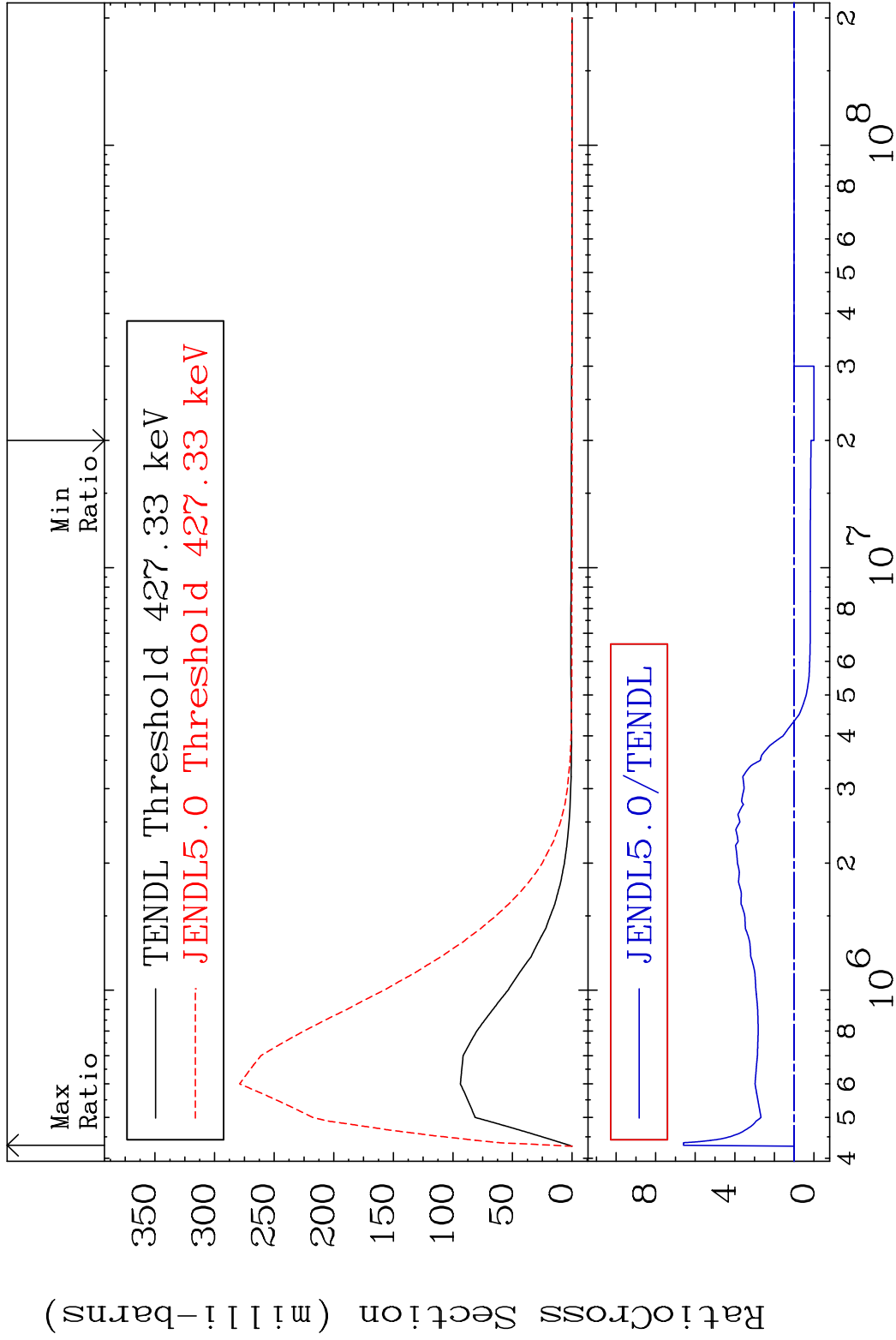


MAT 7128 MT= 63 (n, n') Level 71-Lu-176  
 Cross Section -100.0 To 9999. %



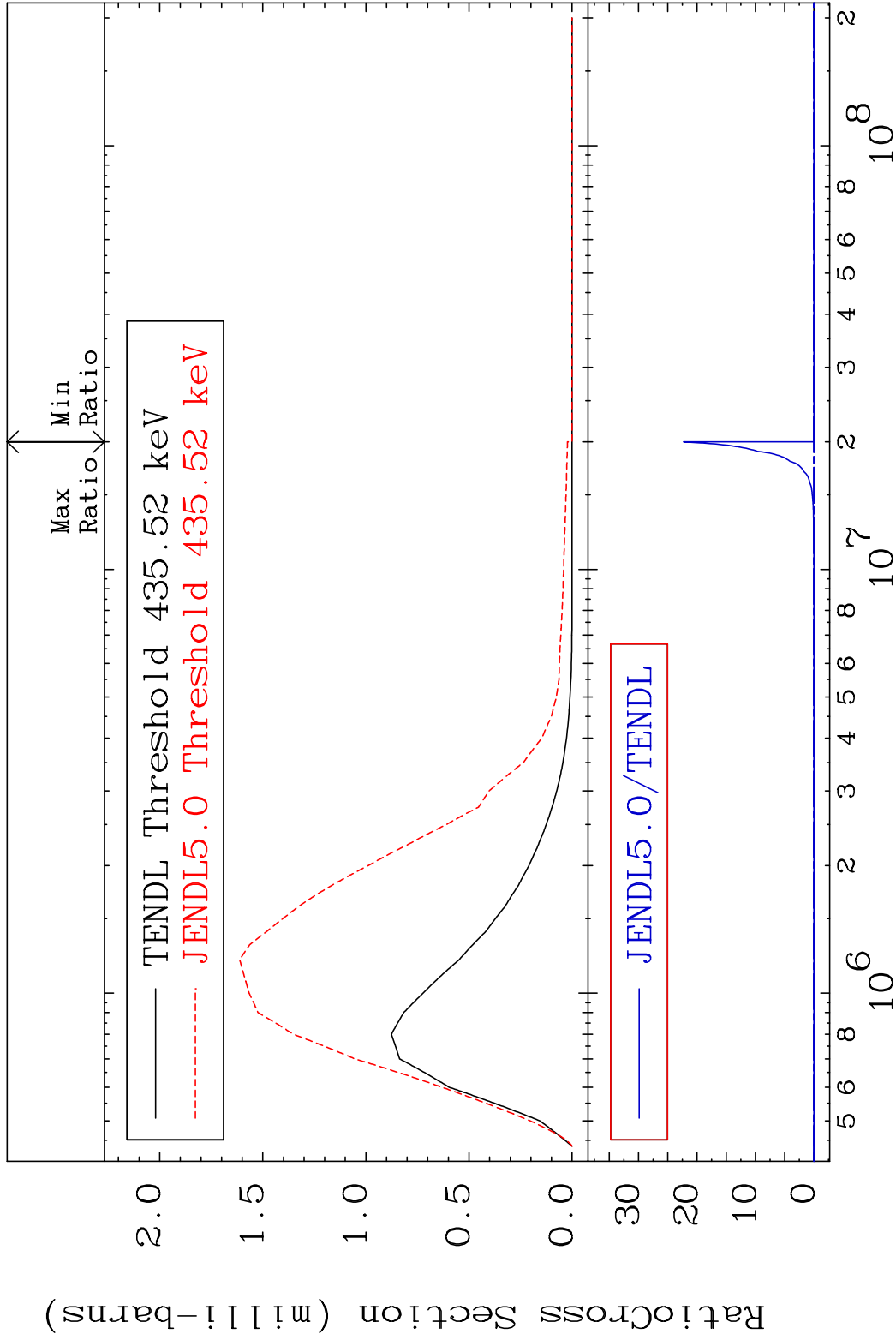
25 Incident Energy (eV) 71-Lu-176

MAT 7128 MT= 64 (n, n') Level 71-Lu-176  
 Cross Section -100.0 To 559.6 %

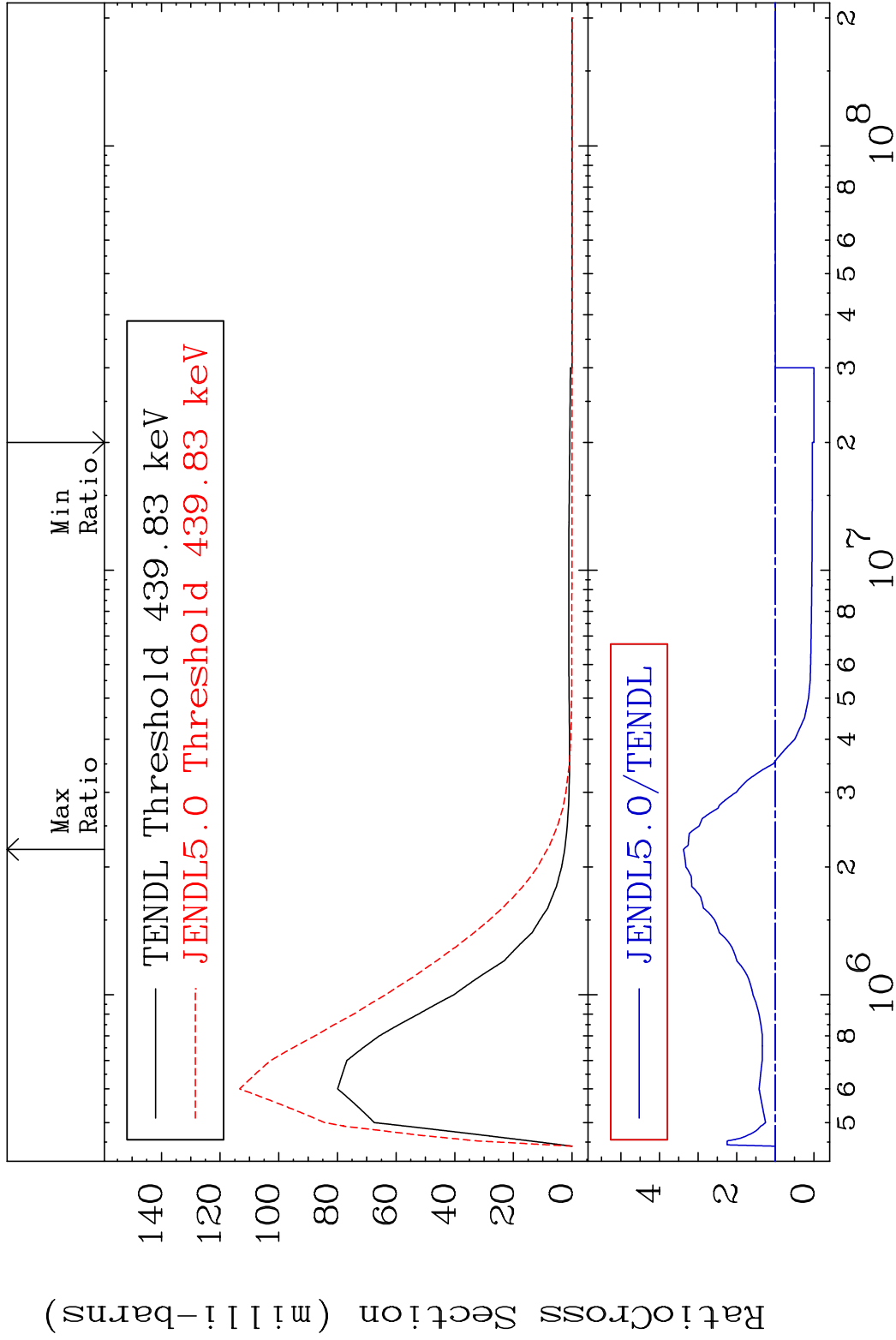


26 Incident Energy (eV) 71-Lu-176

MAT 7128 MT= 65 (n, n') Level 71-Lu-176  
 Cross Section -100.0 To 9999. %

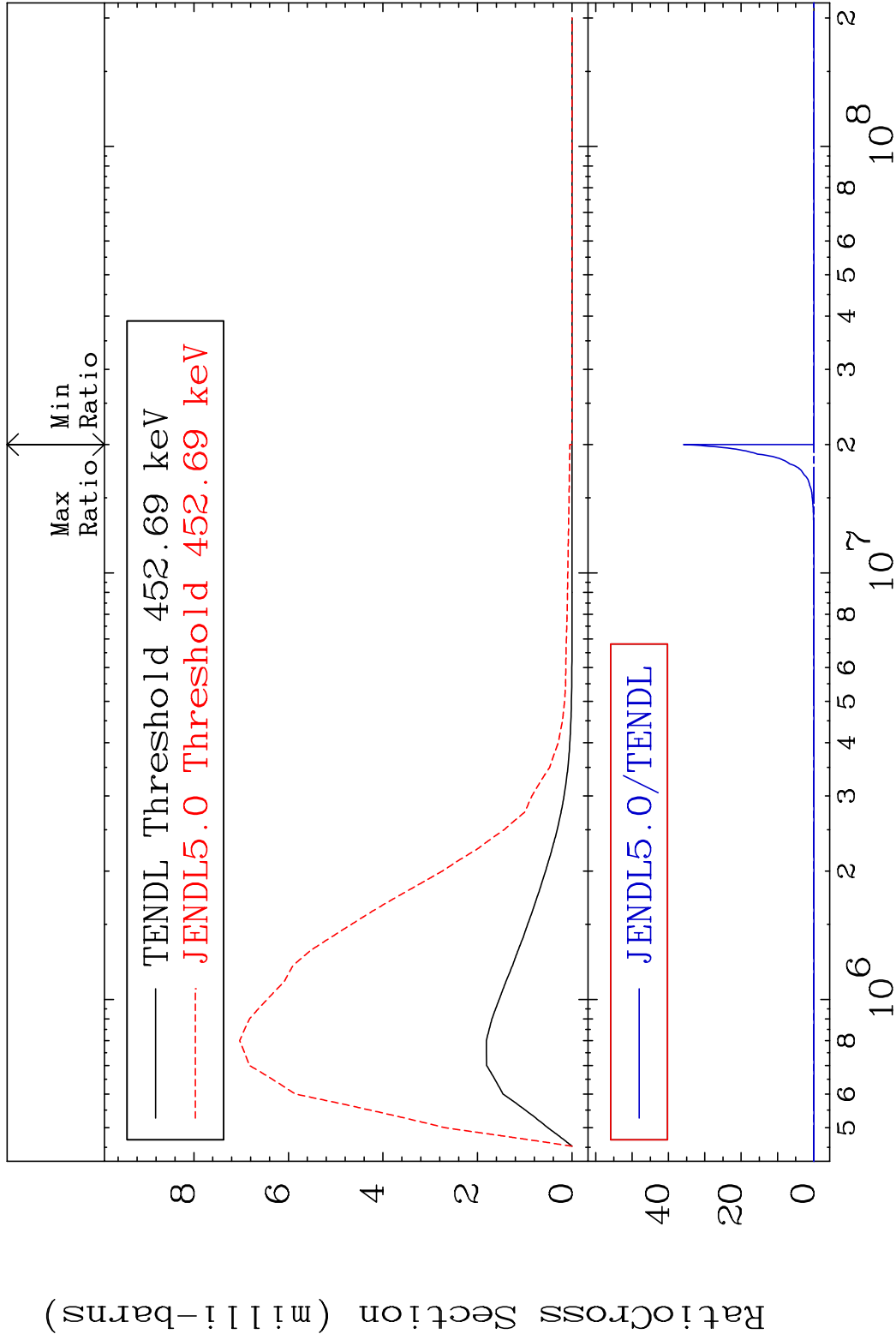


MAT 7128 MT= 66 (n, n') Level 71-Lu-176  
 Cross Section -100.0 To 237.7 %



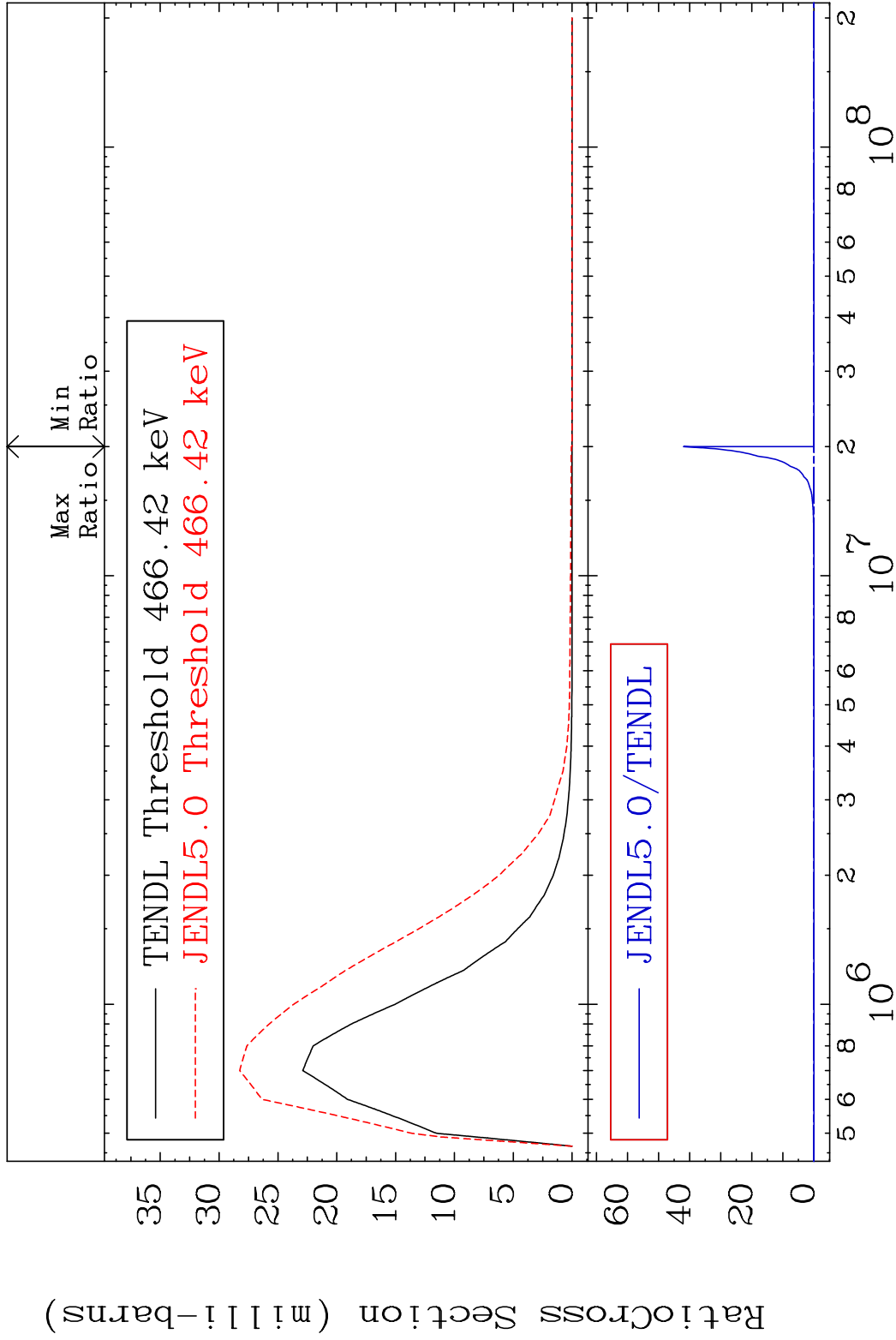
28 Incident Energy (eV) 71-Lu-176

MAT 7128 MT= 67 (n, n') Level 71-Lu-176  
 Cross Section -100.0 To 9999. %



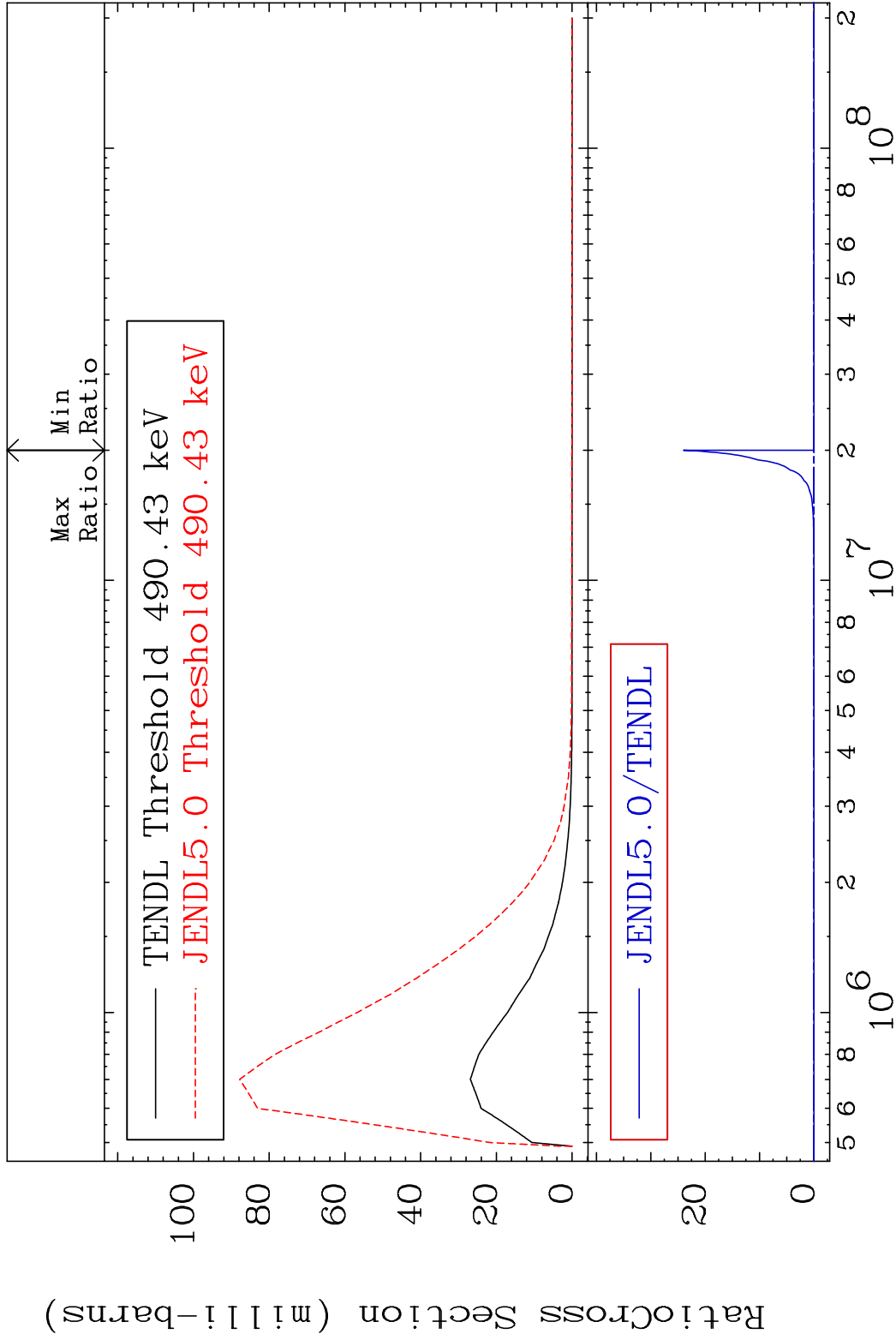
29 Incident Energy (eV) 71-Lu-176

MAT 7128 MT= 68 (n, n') Level 71-Lu-176  
 Cross Section -100.0 To 9999. %



30 Incident Energy (eV) 71-Lu-176

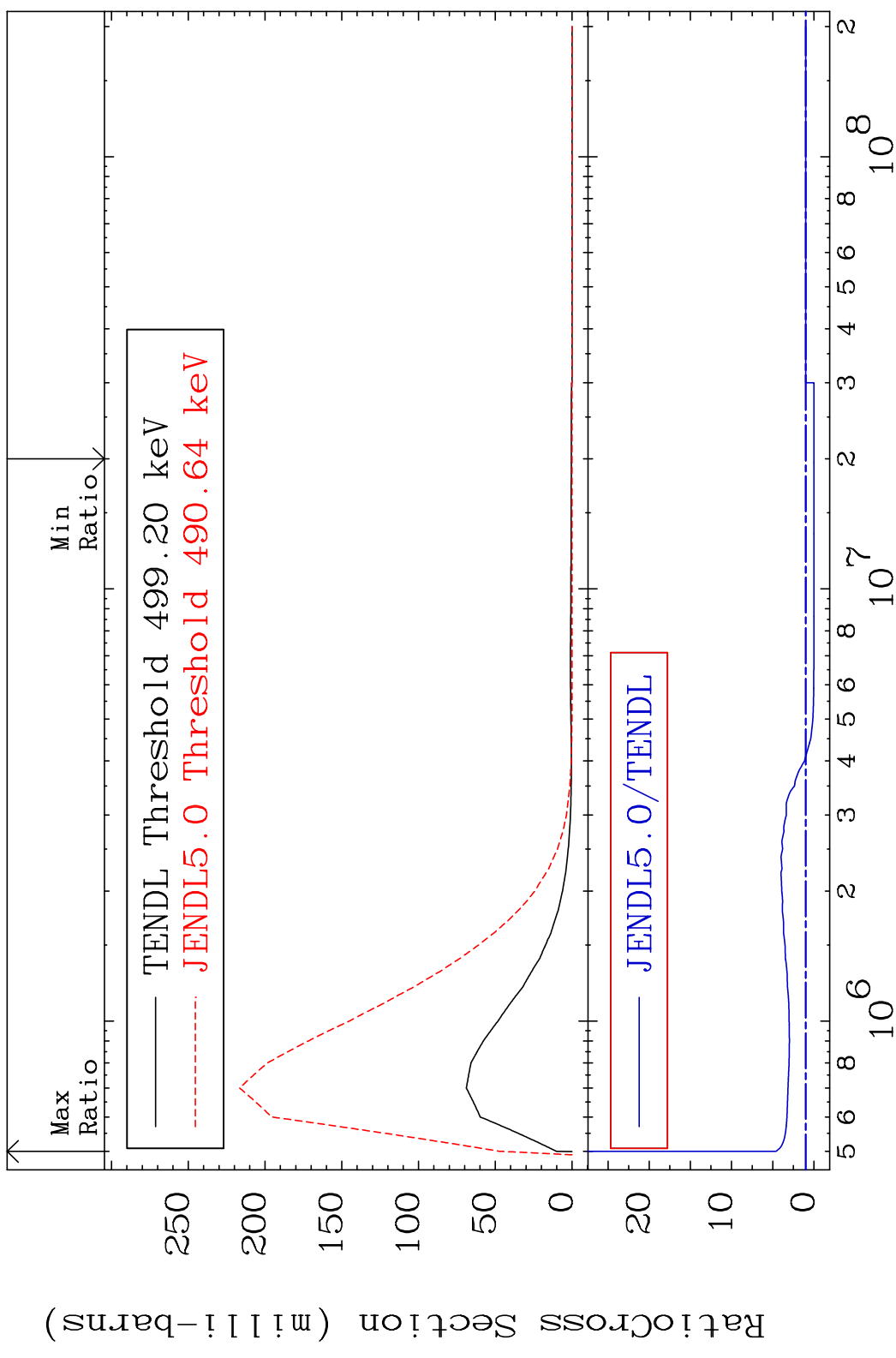
MAT 7128 MT= 69 (n, n') Level 71-Lu-176  
 Cross Section -100.0 To 9999. %



31 Incident Energy (eV) 71-Lu-176

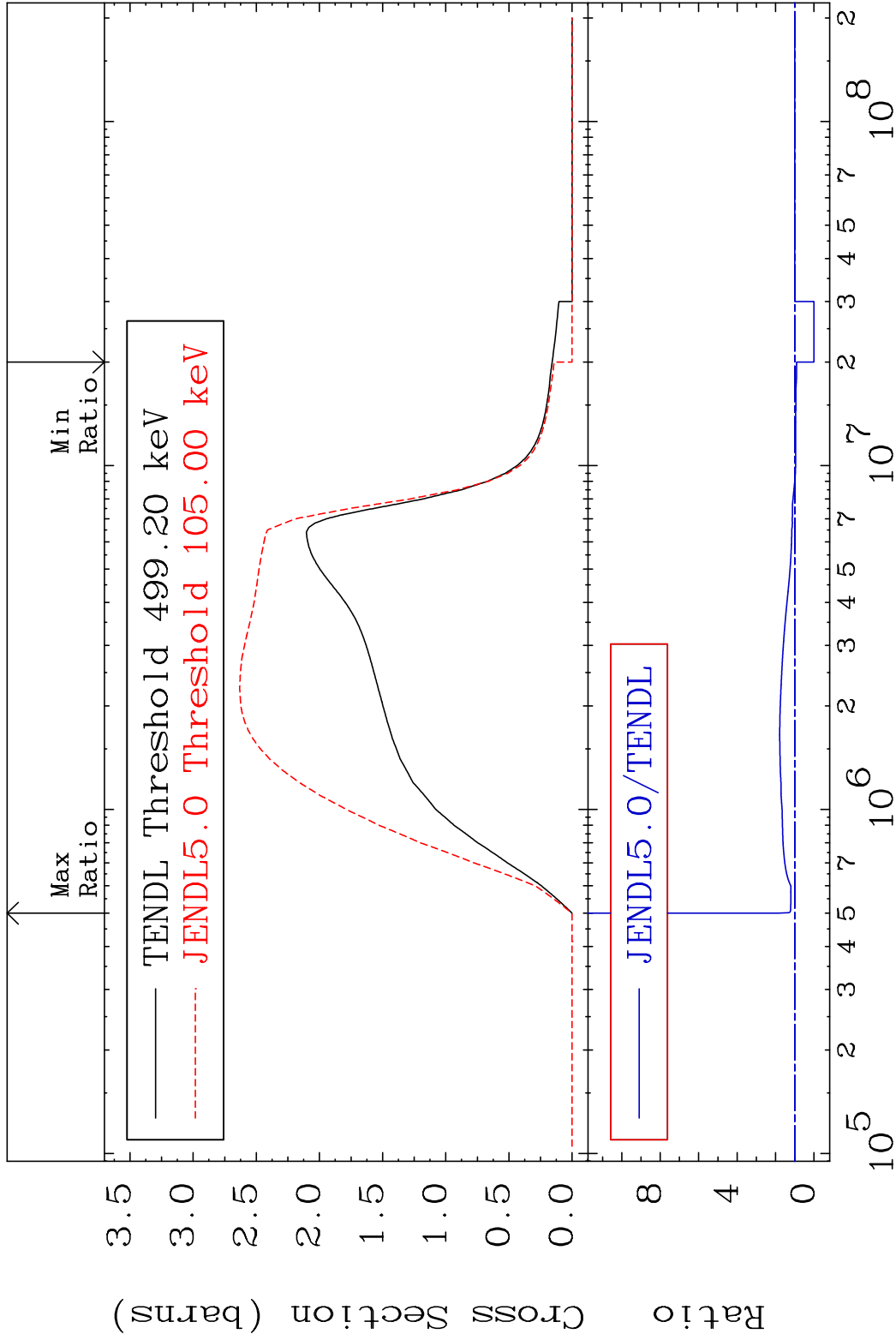


MAT 7128 MT= 70 (n, n') Level 71-Lu-176  
 Cross Section -100.0 To 1485. %

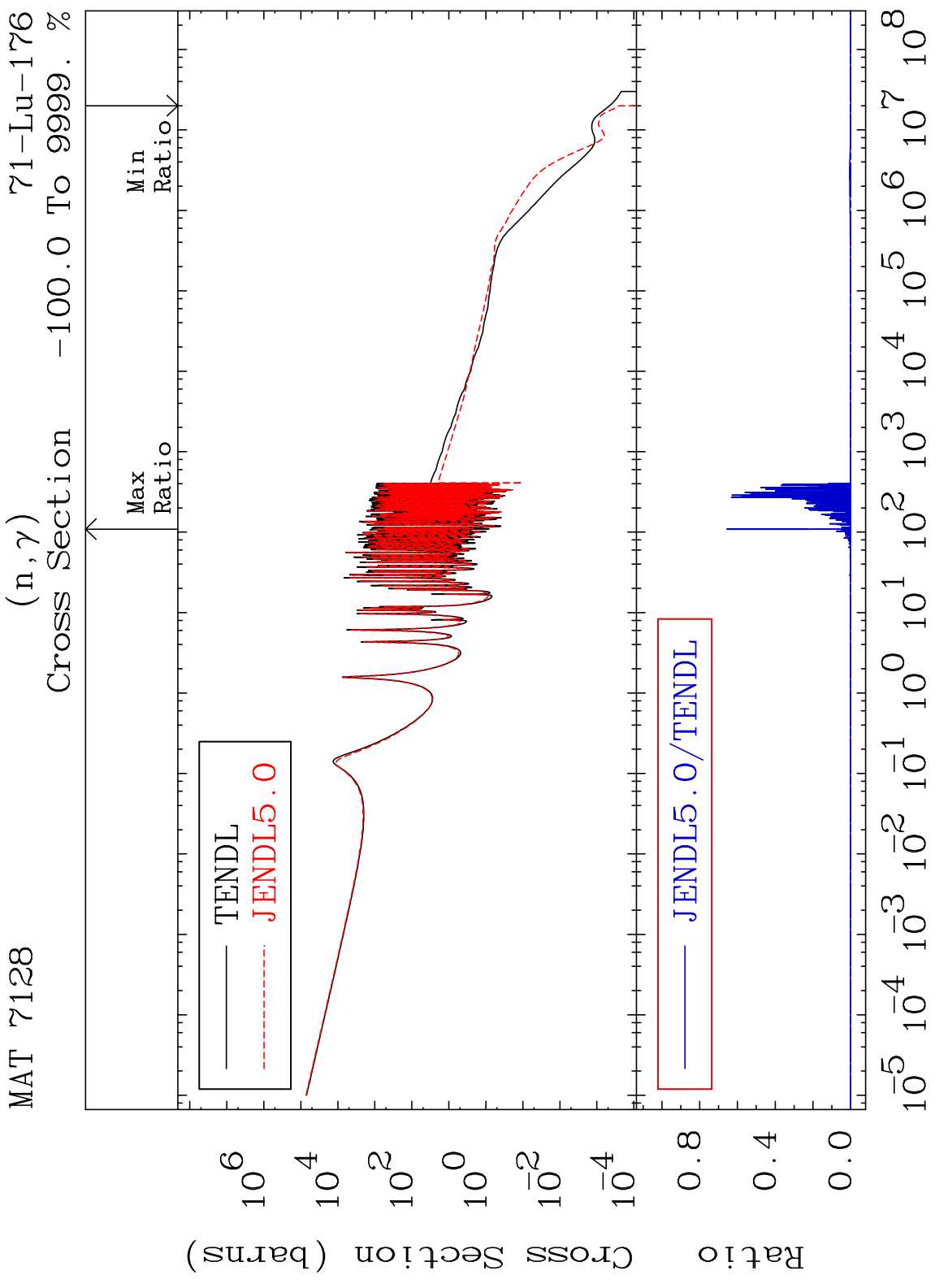


32 Incident Energy (eV) 71-Lu-176

MAT 7128 (n,n') Continuum 71-Lu-176  
 Cross Section -100.0 To 579.3 %



33 Incident Energy (eV) 71-Lu-176

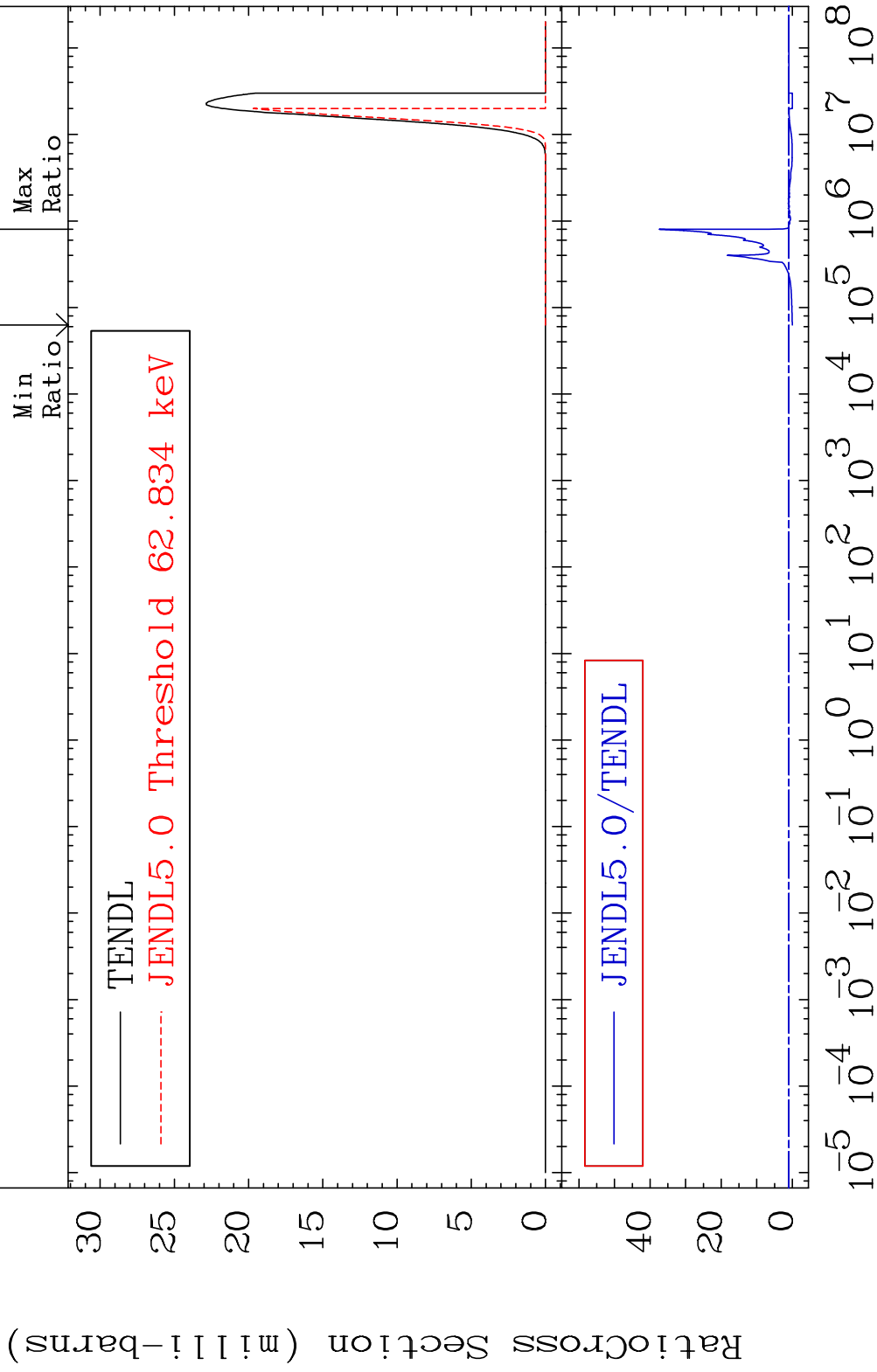


MAT 7128

(n, p)

71-Lu-176

Cross Section -100.0 To 3644. %

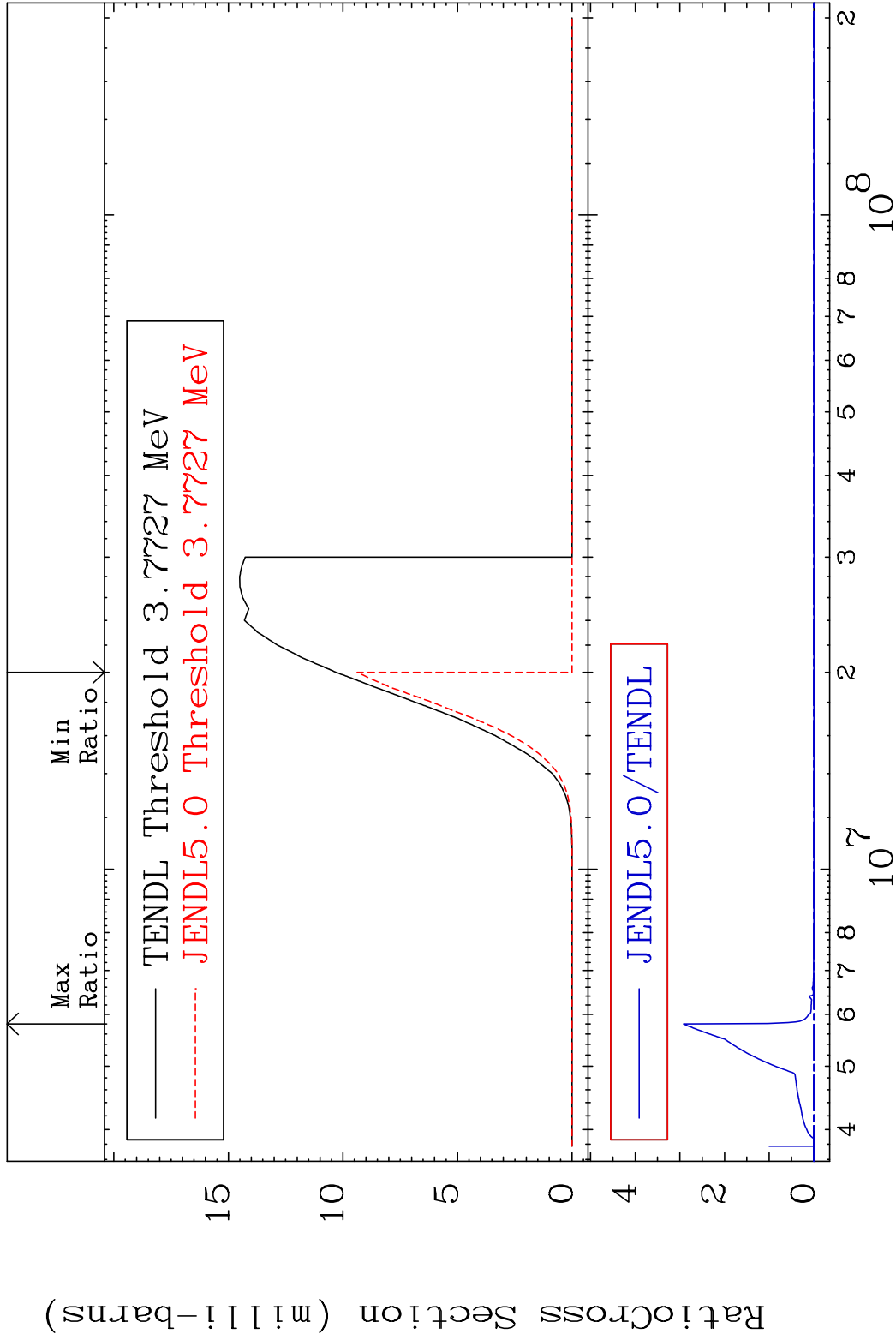


35

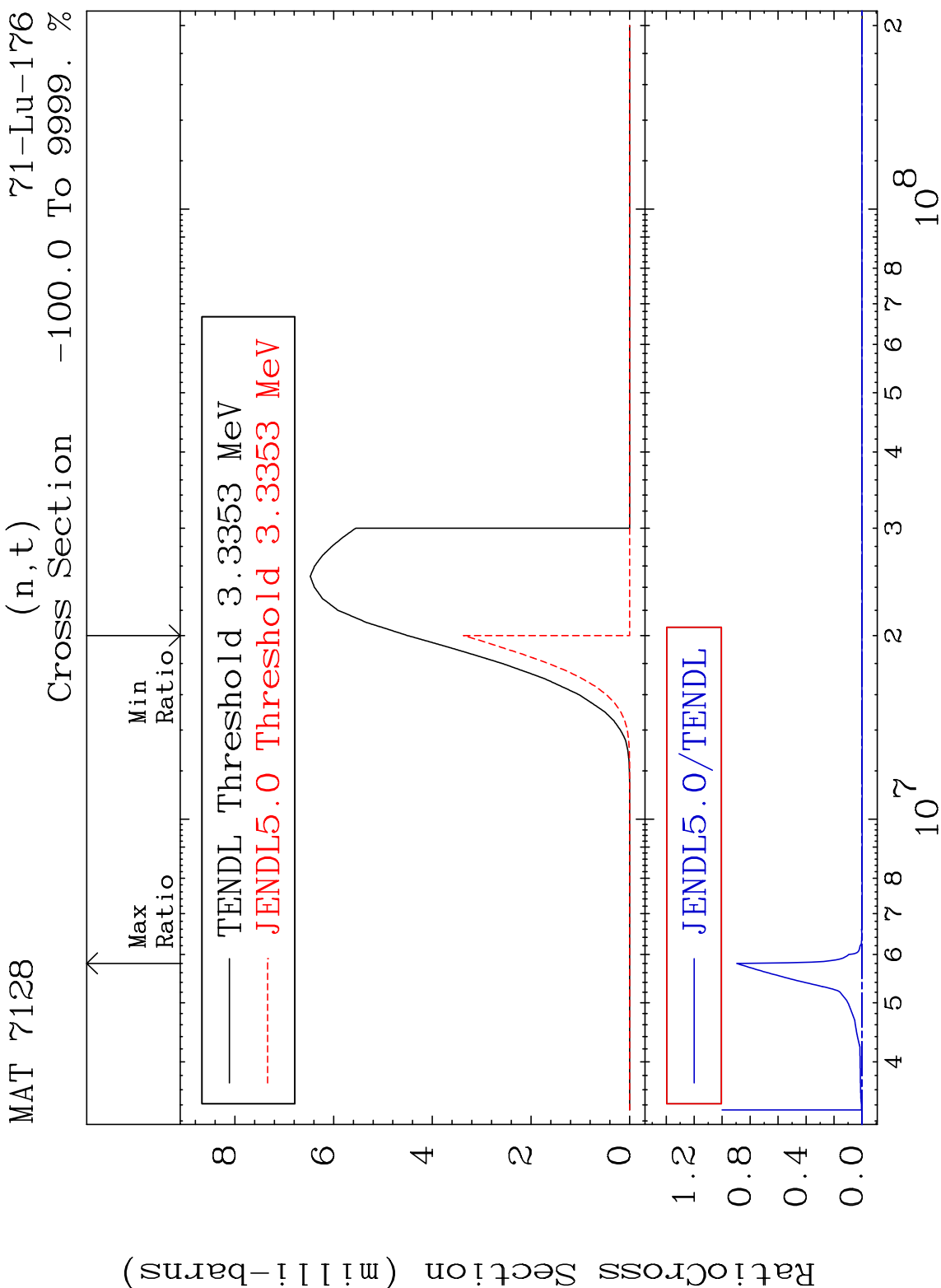
Incident Energy (eV)

71-Lu-176

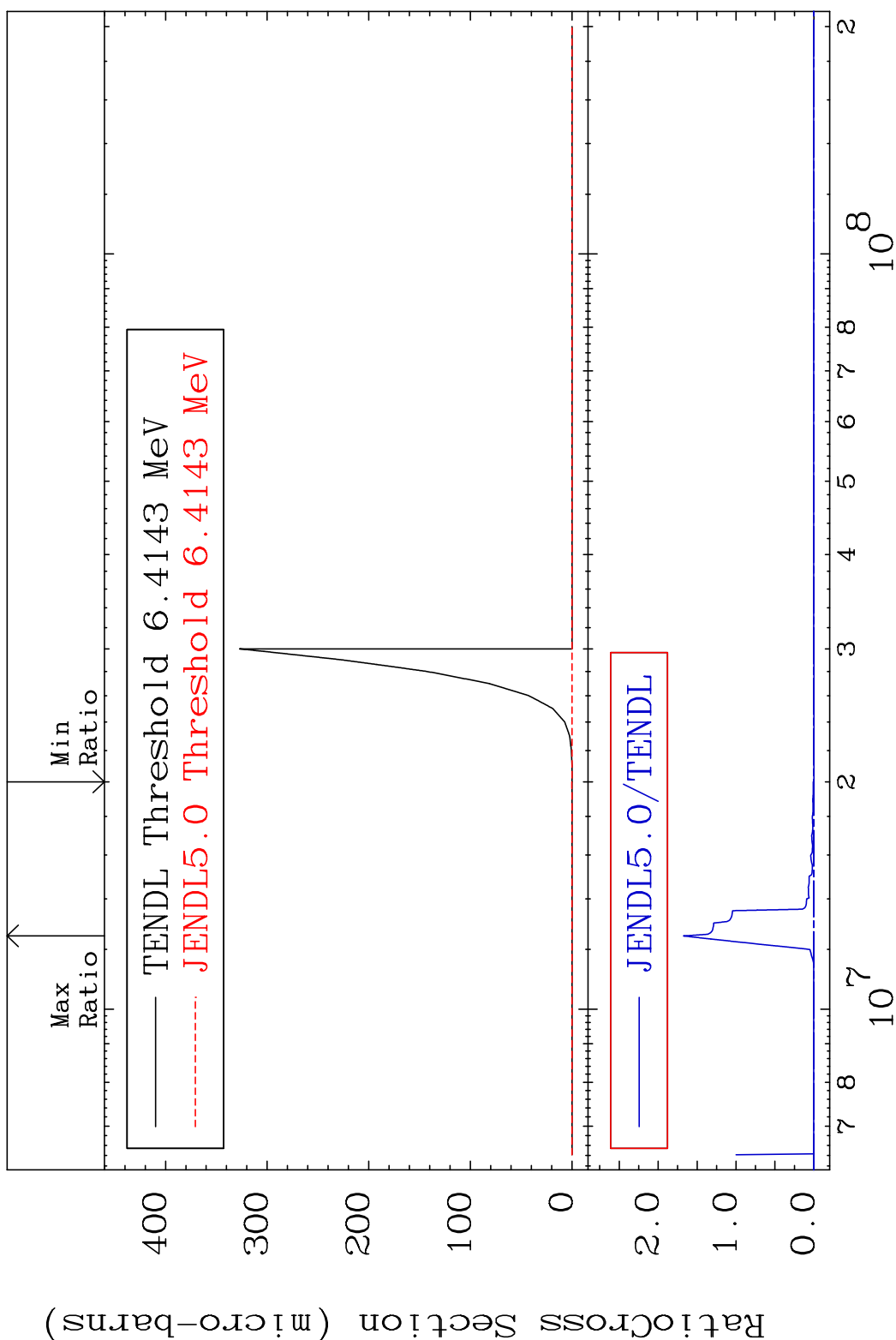
MAT 7128 (n, d) 71-Lu-176  
 Cross Section -100.0 To 9999. %



36 Incident Energy (eV) 71-Lu-176

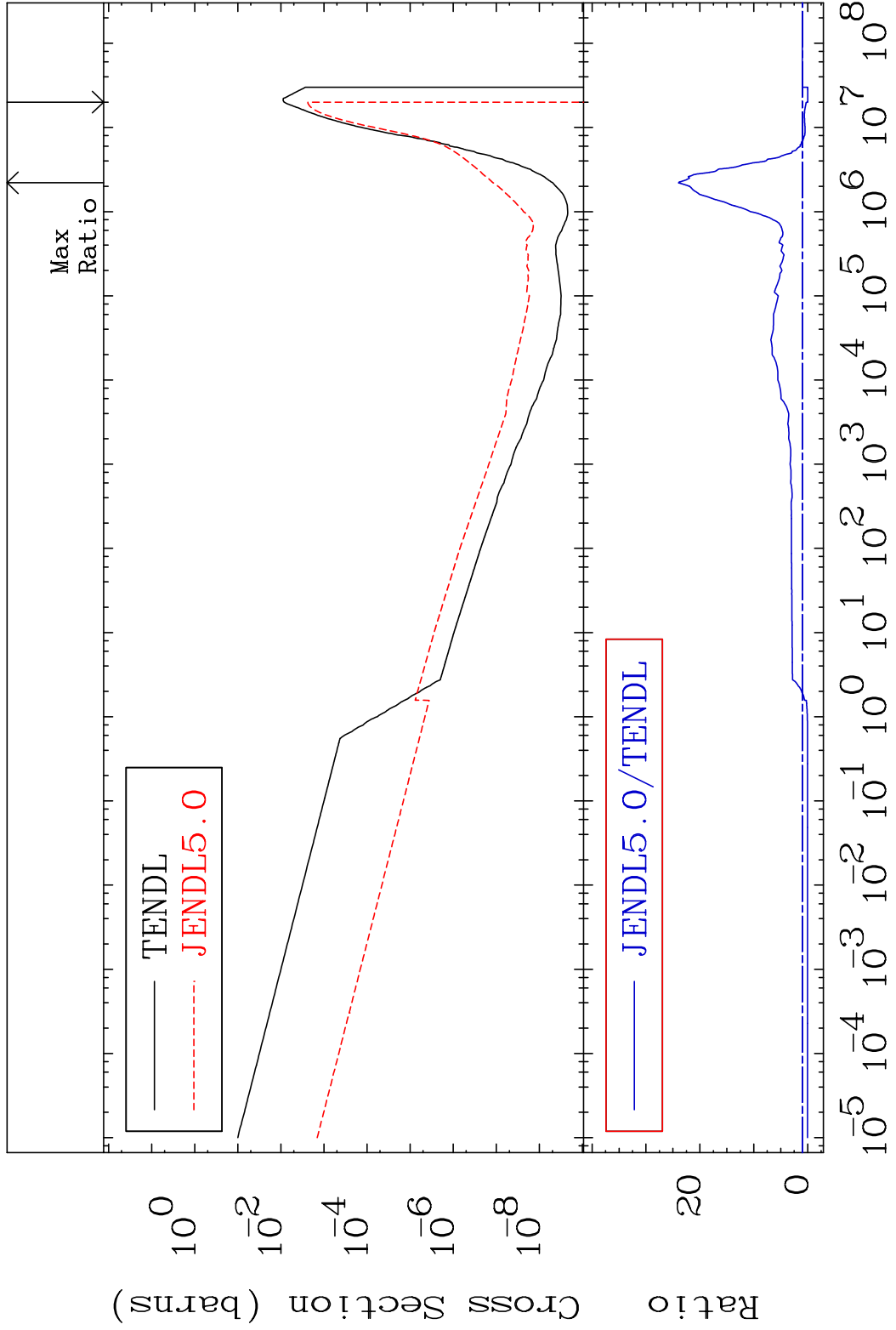


MAT 7128 (n, He-3) 71-Lu-176  
 Cross Section -100.0 To 9999. %



38 71-Lu-176

MAT 7128 (n,  $\alpha$ ) 71-Lu-176  
 Cross Section -100.0 To 2301. %

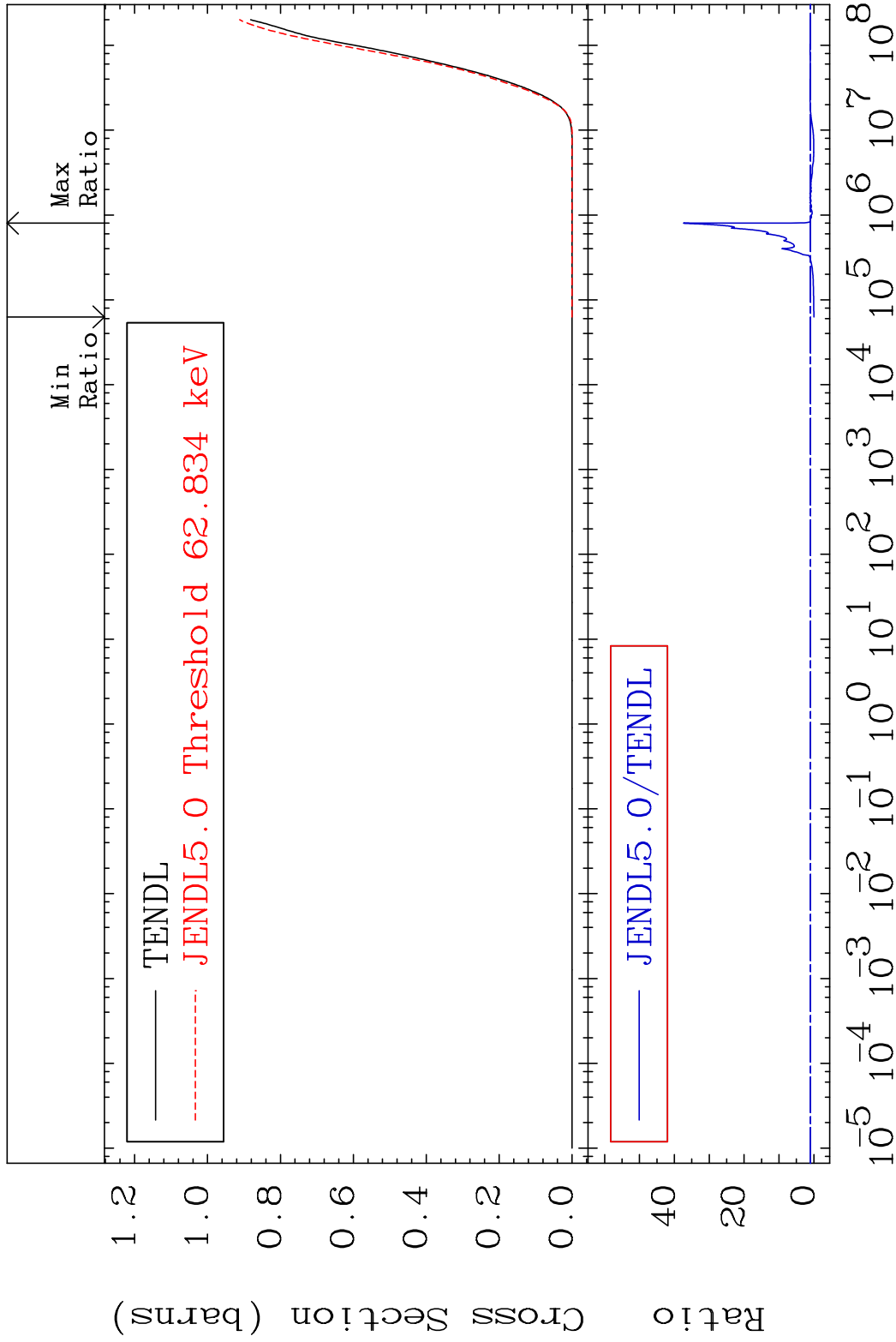


39 Incident Energy (eV) 71-Lu-176



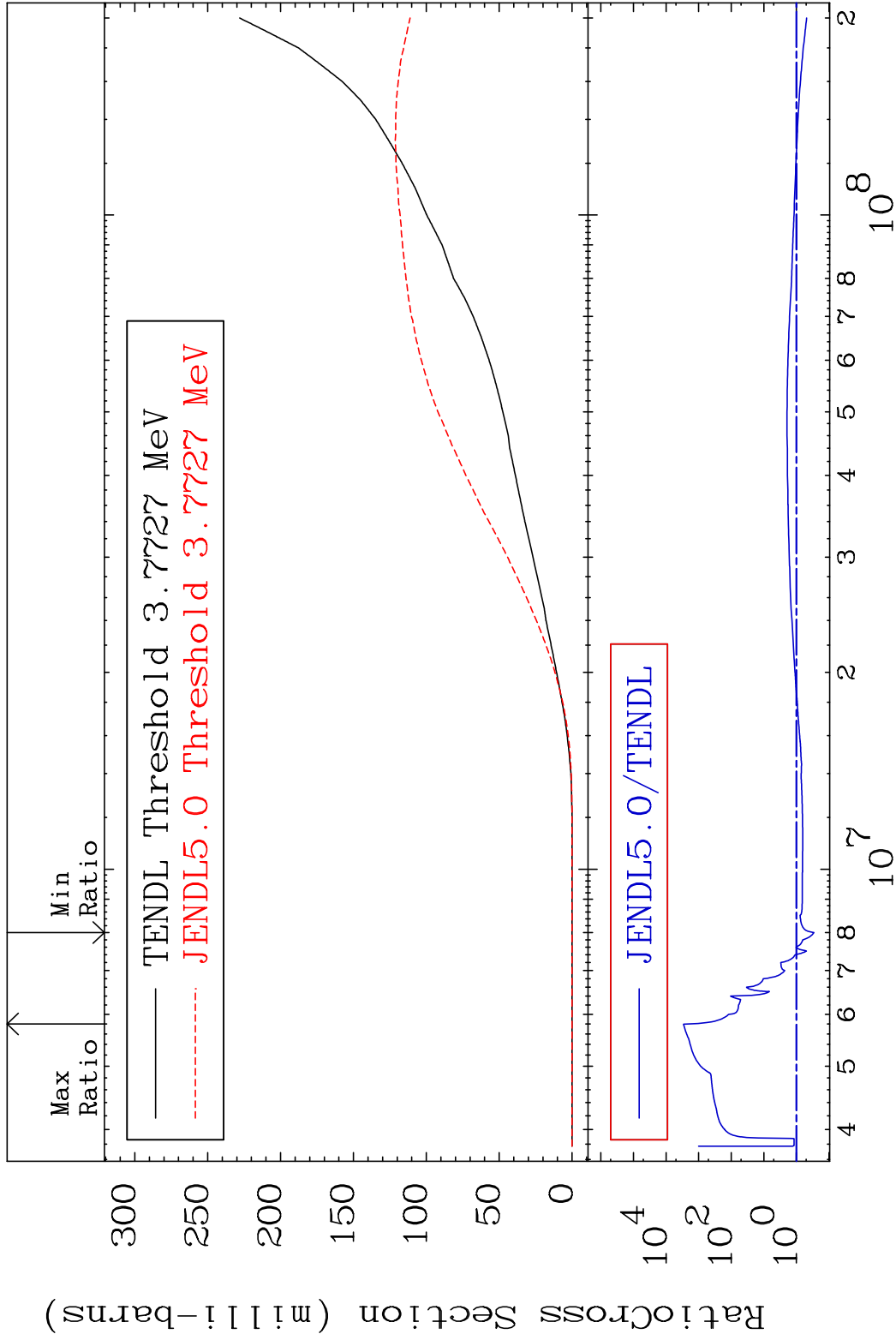
MAT 7128

Hydrogen Production 71-Lu-176  
Cross Section -100.0 To 3639. %



40 Incident Energy (eV) 71-Lu-176

MAT 7128 Deuterium Production 71-Lu-176  
 Cross Section -70.86 To 9999. %

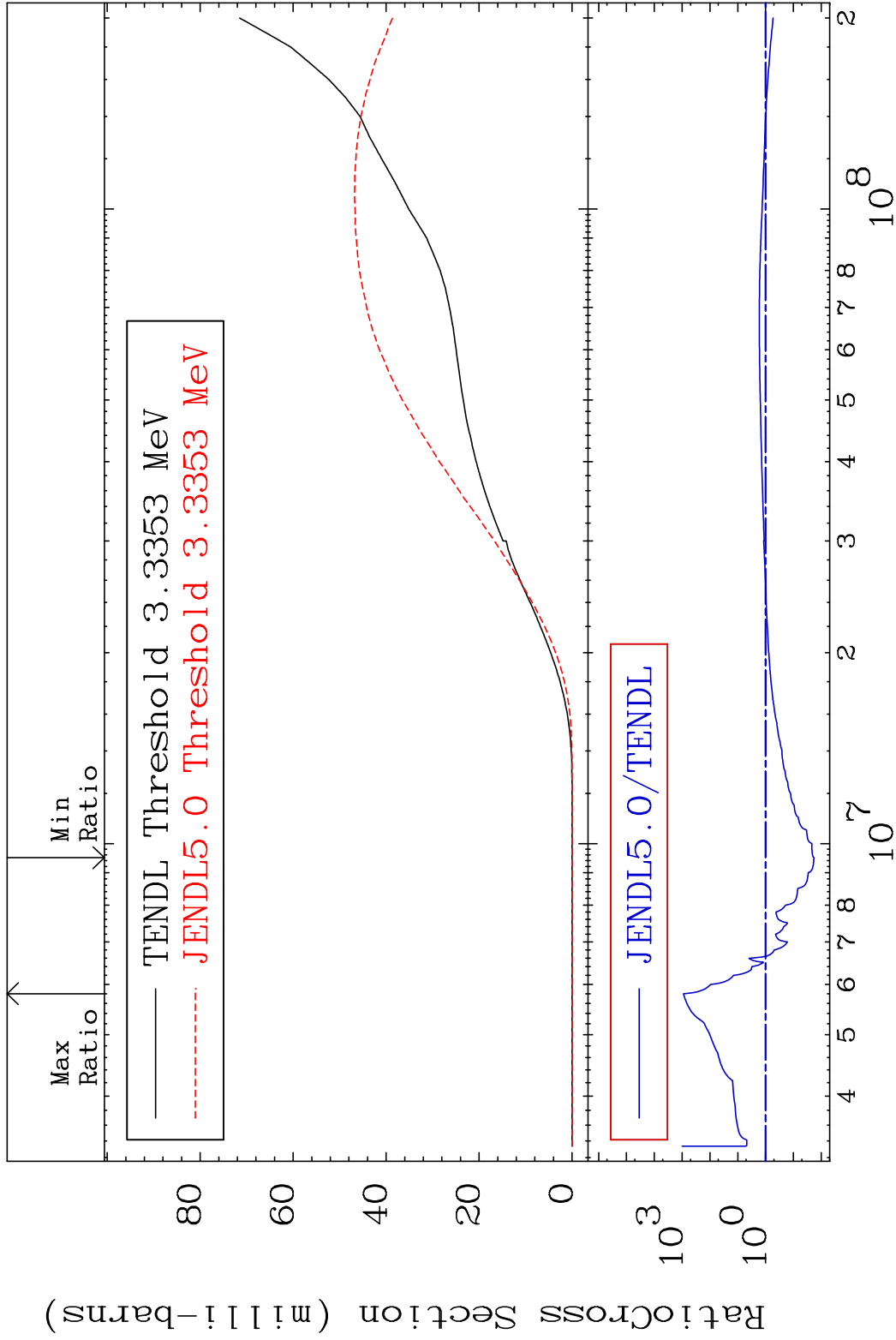


MAT 7128

Tritium Production

71-Lu-176

Cross Section -98.16 To 9999. %



42

Incident Energy (eV)

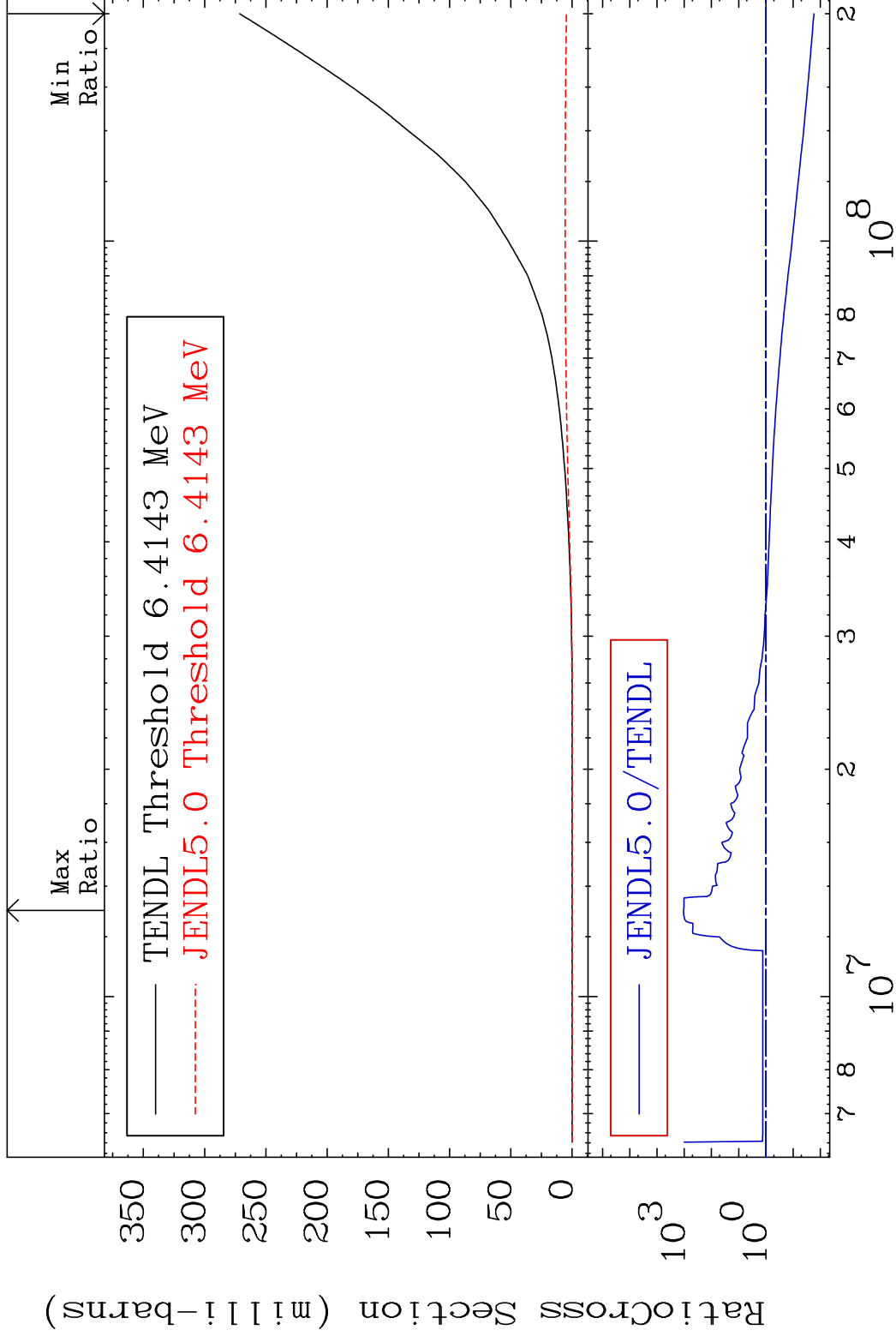
71-Lu-176

MAT 7128

He-3 Production

71-Lu-176

Cross Section -98.28 To 9999. %



43

Incident Energy (eV)

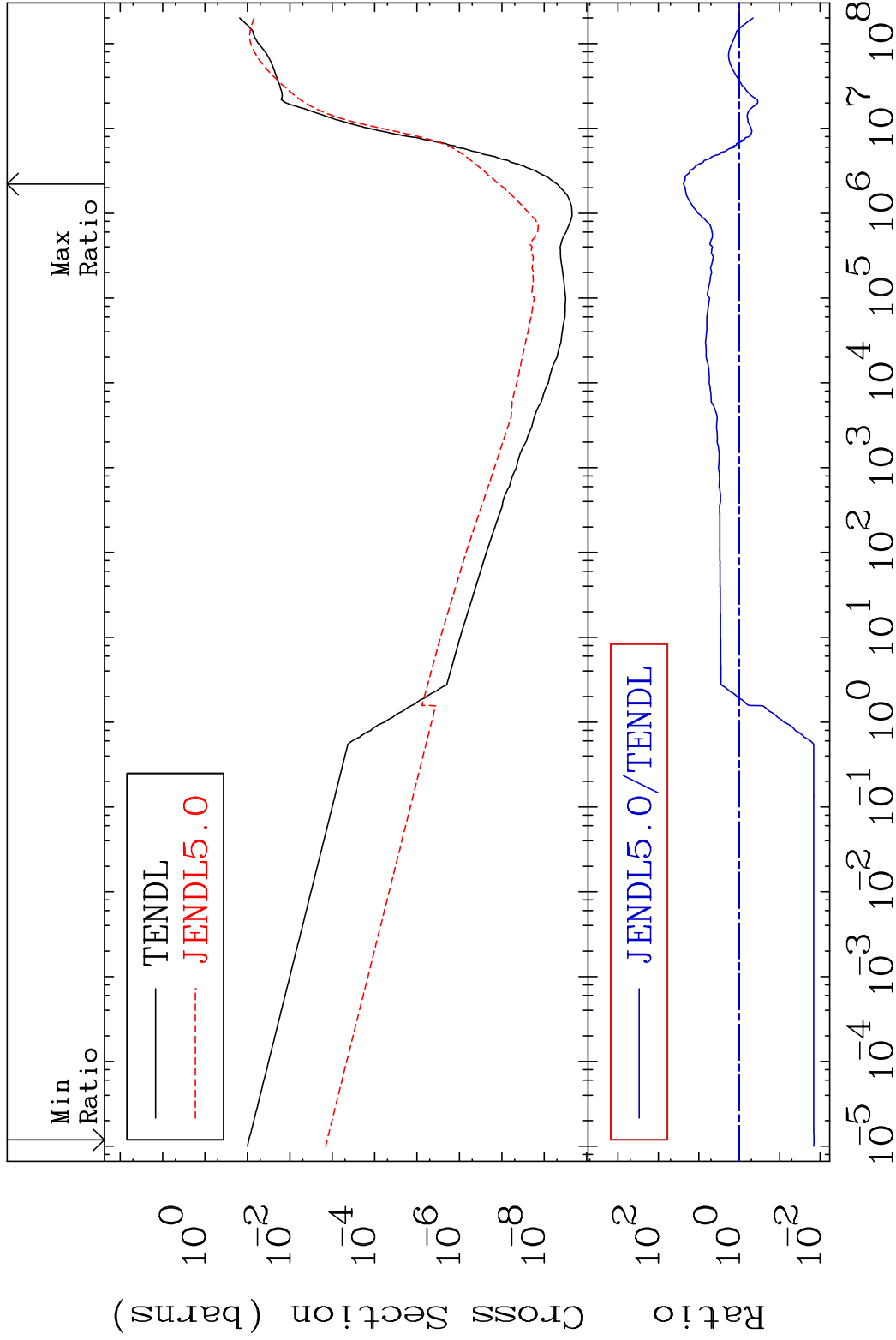
71-Lu-176

MAT 7128

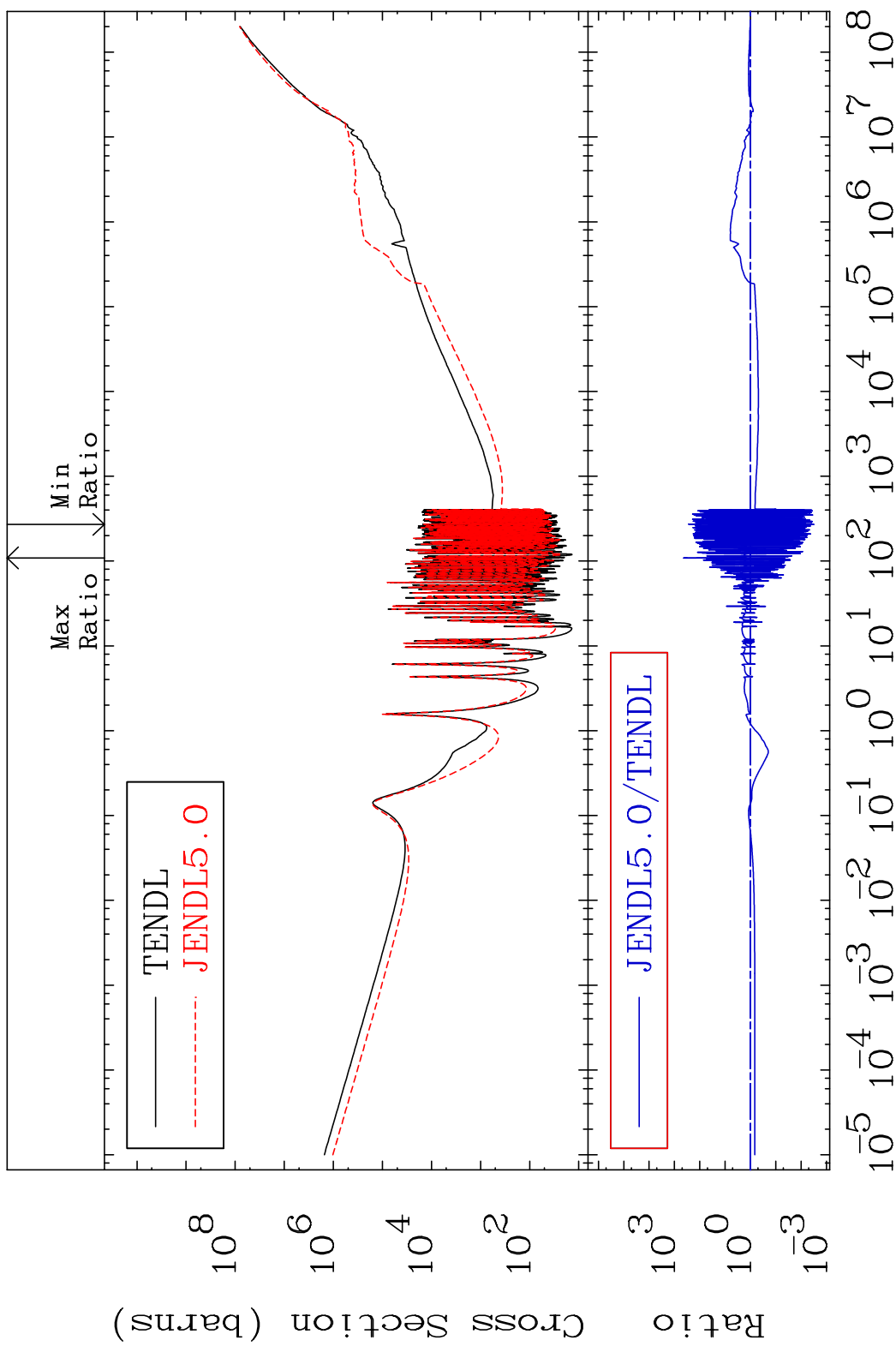
He-4 Production

71-Lu-176

Cross Section -98.58 To 2301. %



MAT 7128 Kerma total (eV-barns) 71-Lu-176  
 Cross Section -99.69 To 9999. %



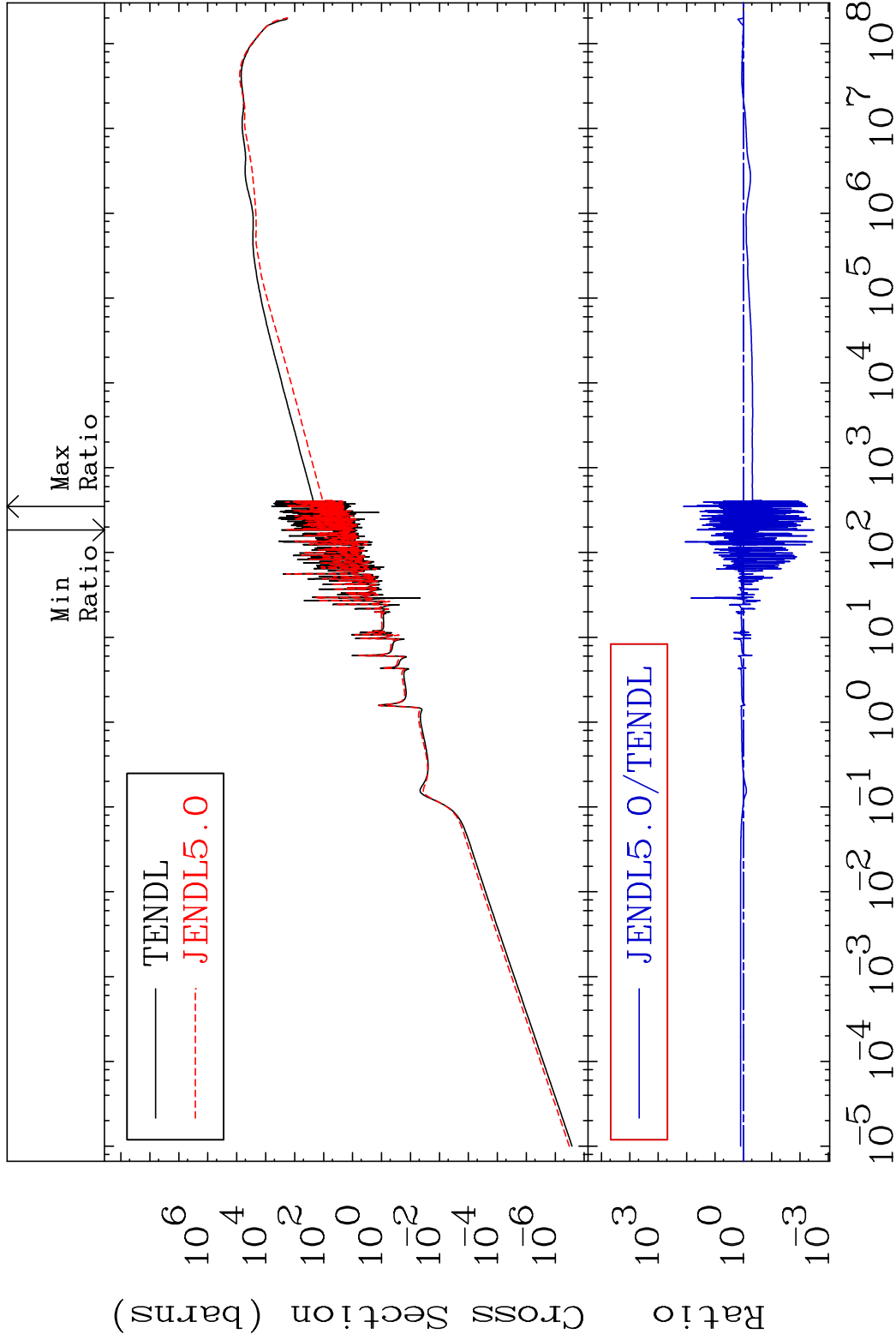
45 Incident Energy (eV) 71-Lu-176

MAT 7128

Kerma elastic

71-Lu-176

Cross Section -99.68 To 9999. %

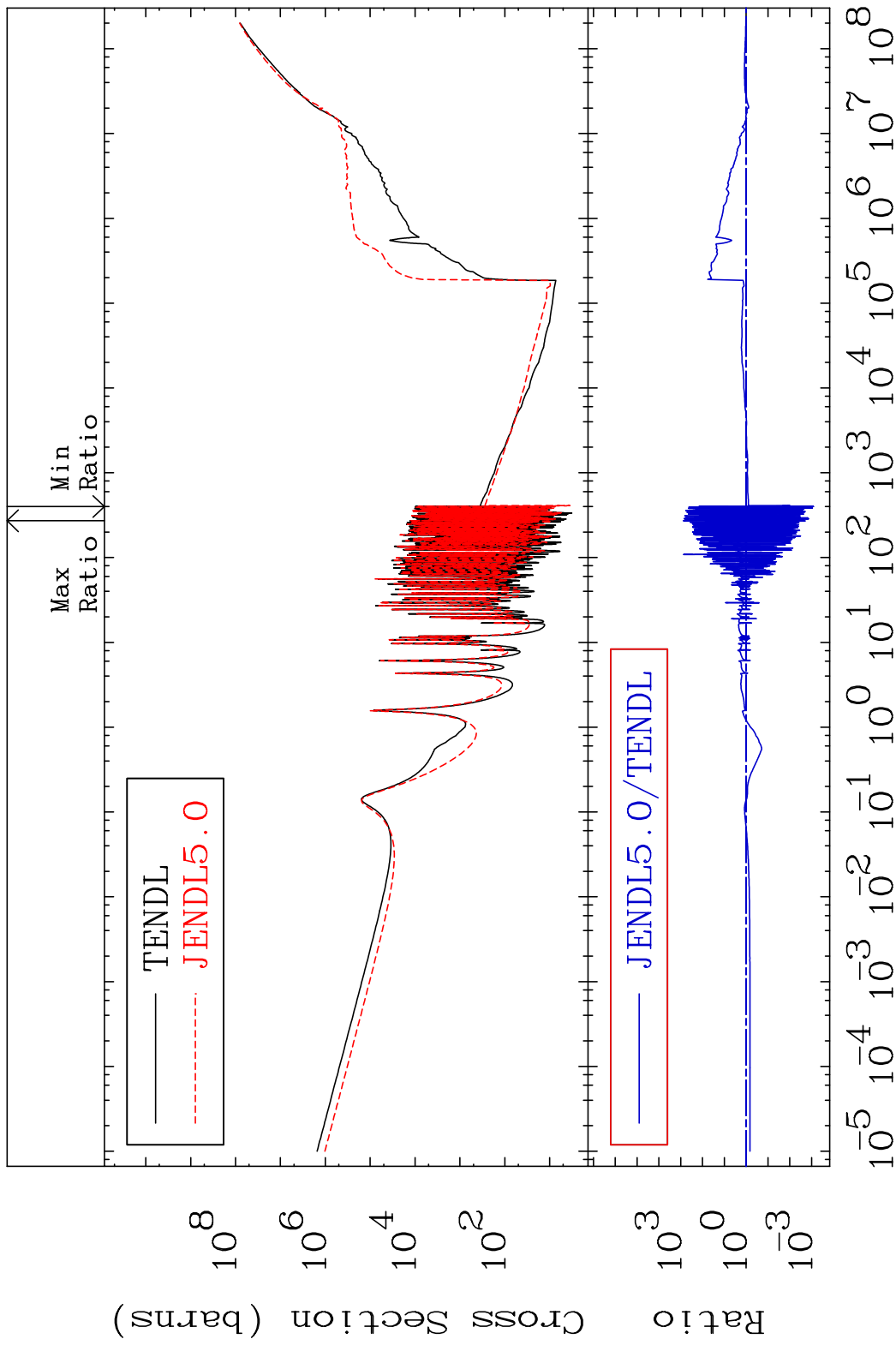


46

Incident Energy (eV)

71-Lu-176

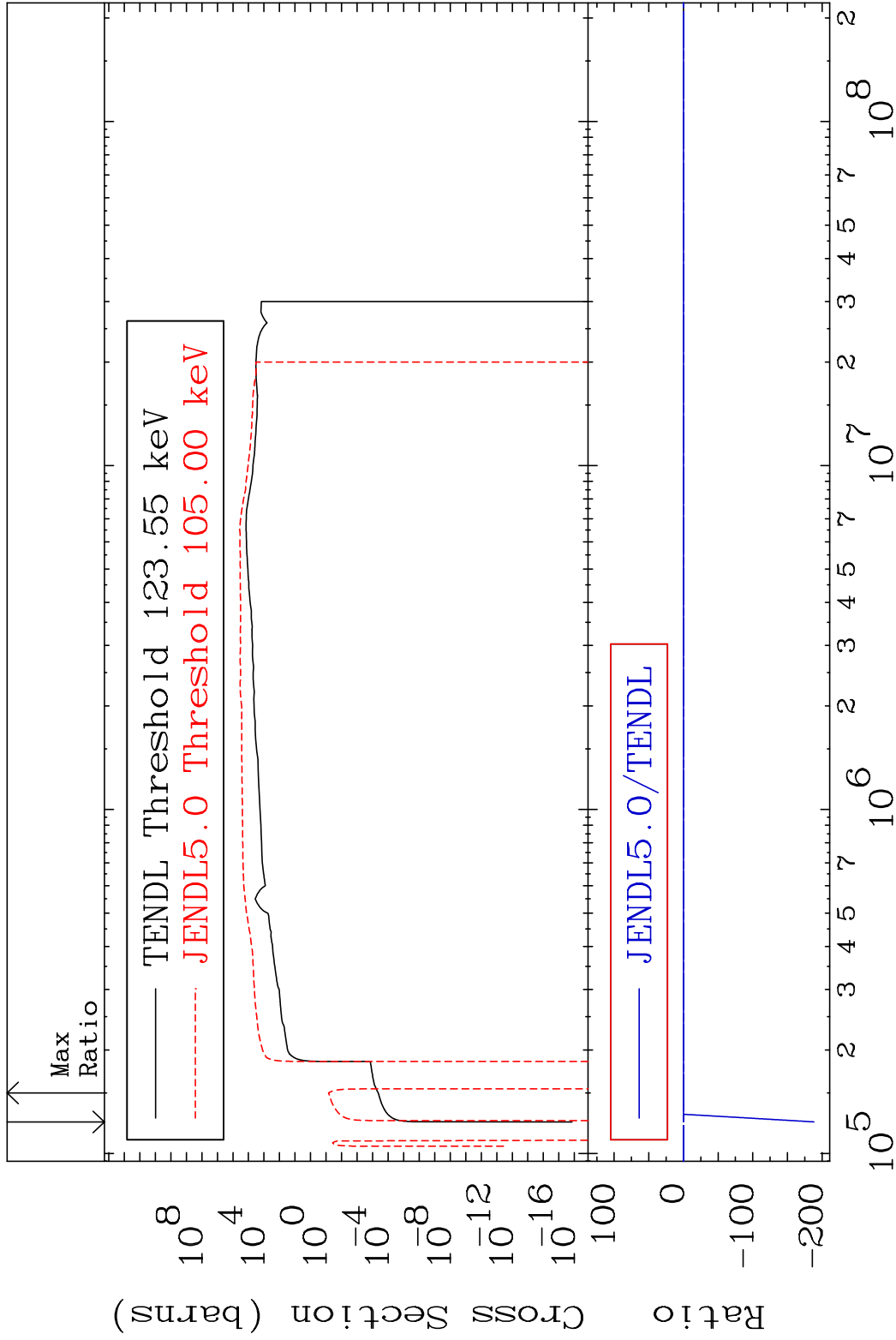
MAT 7128 Kerma non-elastic (all but mt2) 71-Lu-176  
 Cross Section -99.92 To 9999. %



47 Incident Energy (eV) 71-Lu-176

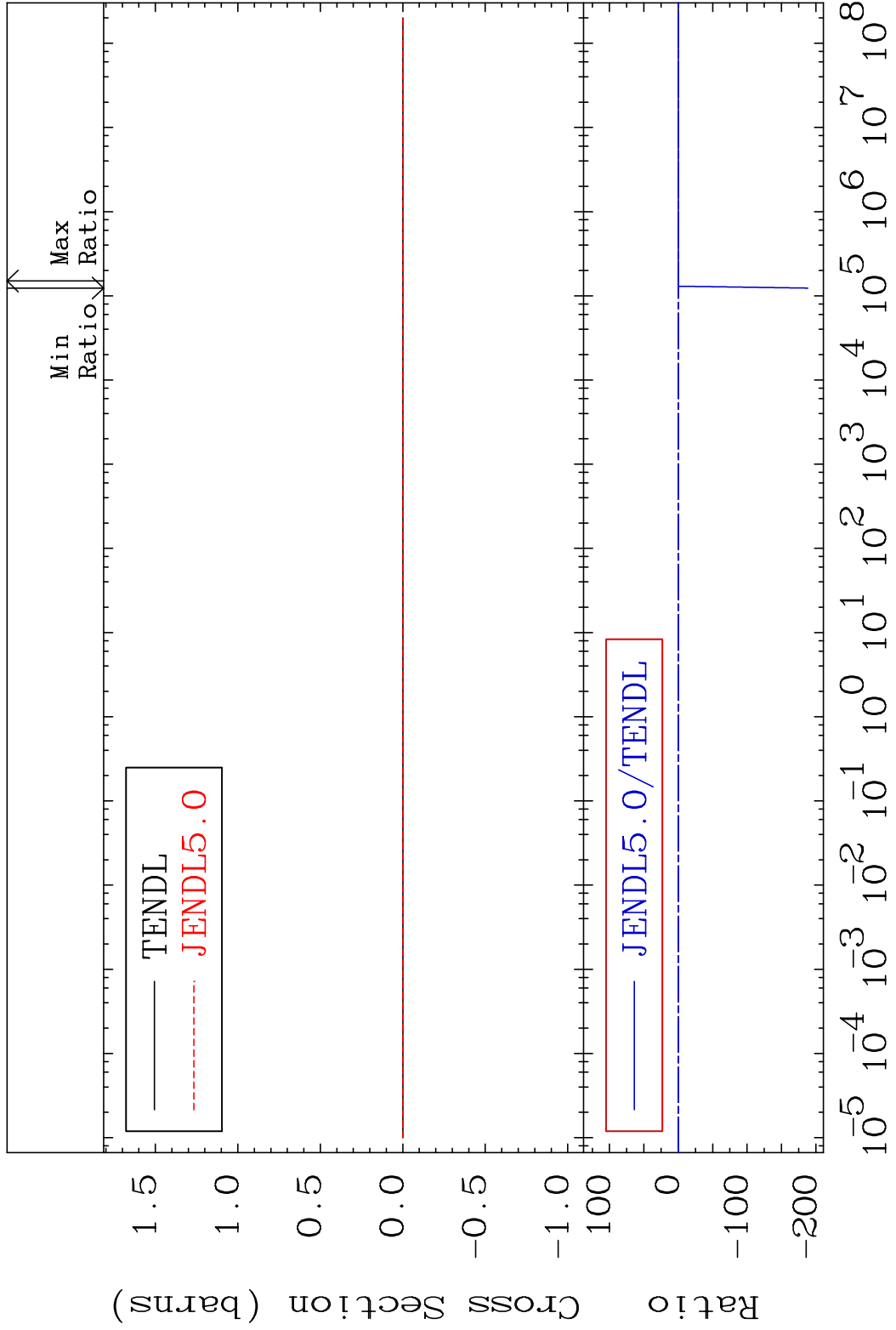


MAT 7128 Kerma inelastic (mt51-91) 71-Lu-176  
 Cross Section -9999. To 9999. %

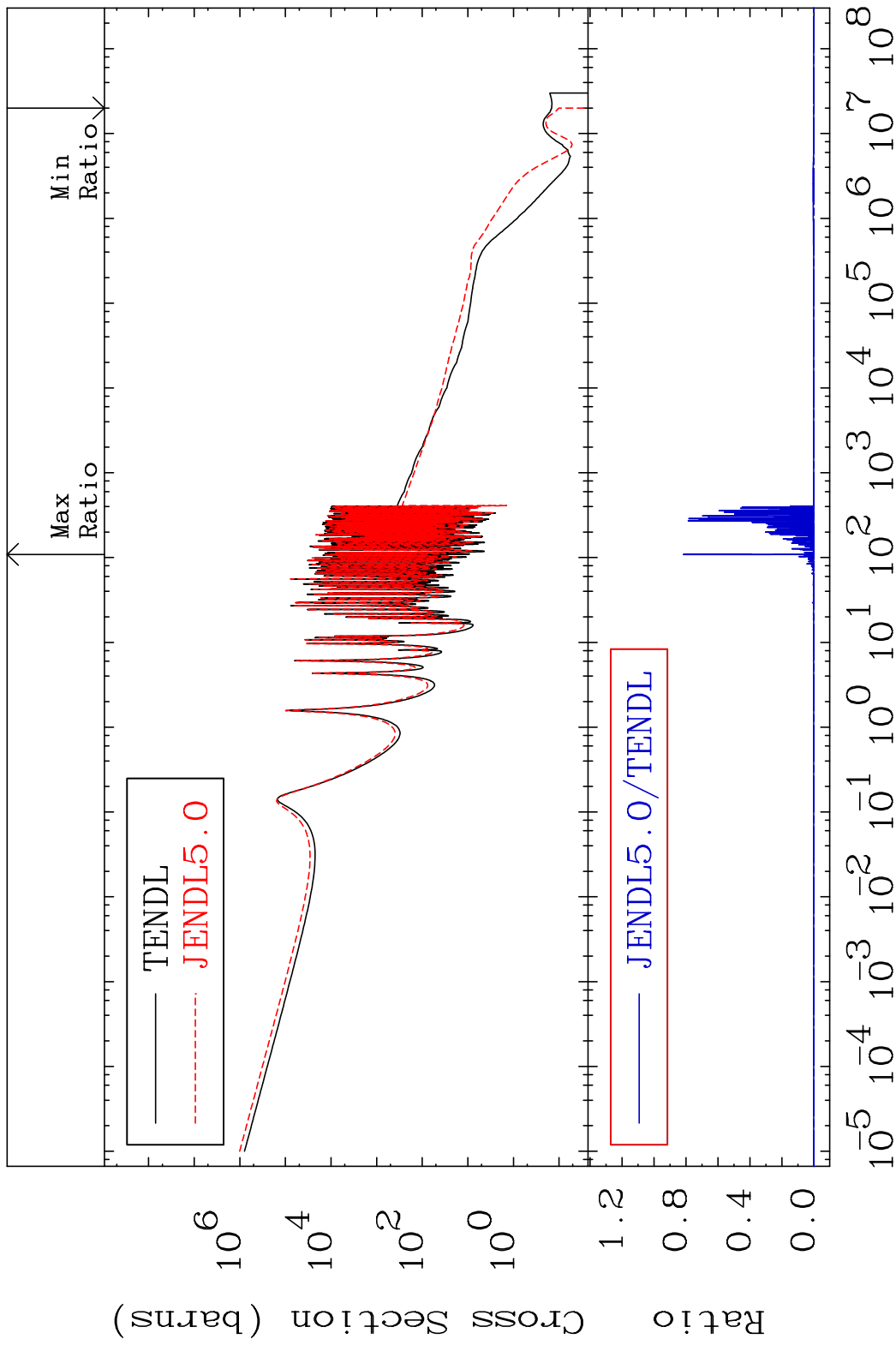


48 Incident Energy (eV) 71-Lu-176

MAT 7128 Kerma fission (mt18 or mt19-20-21-38) 71-Lu-176  
 Cross Section -9999. To 9999. %

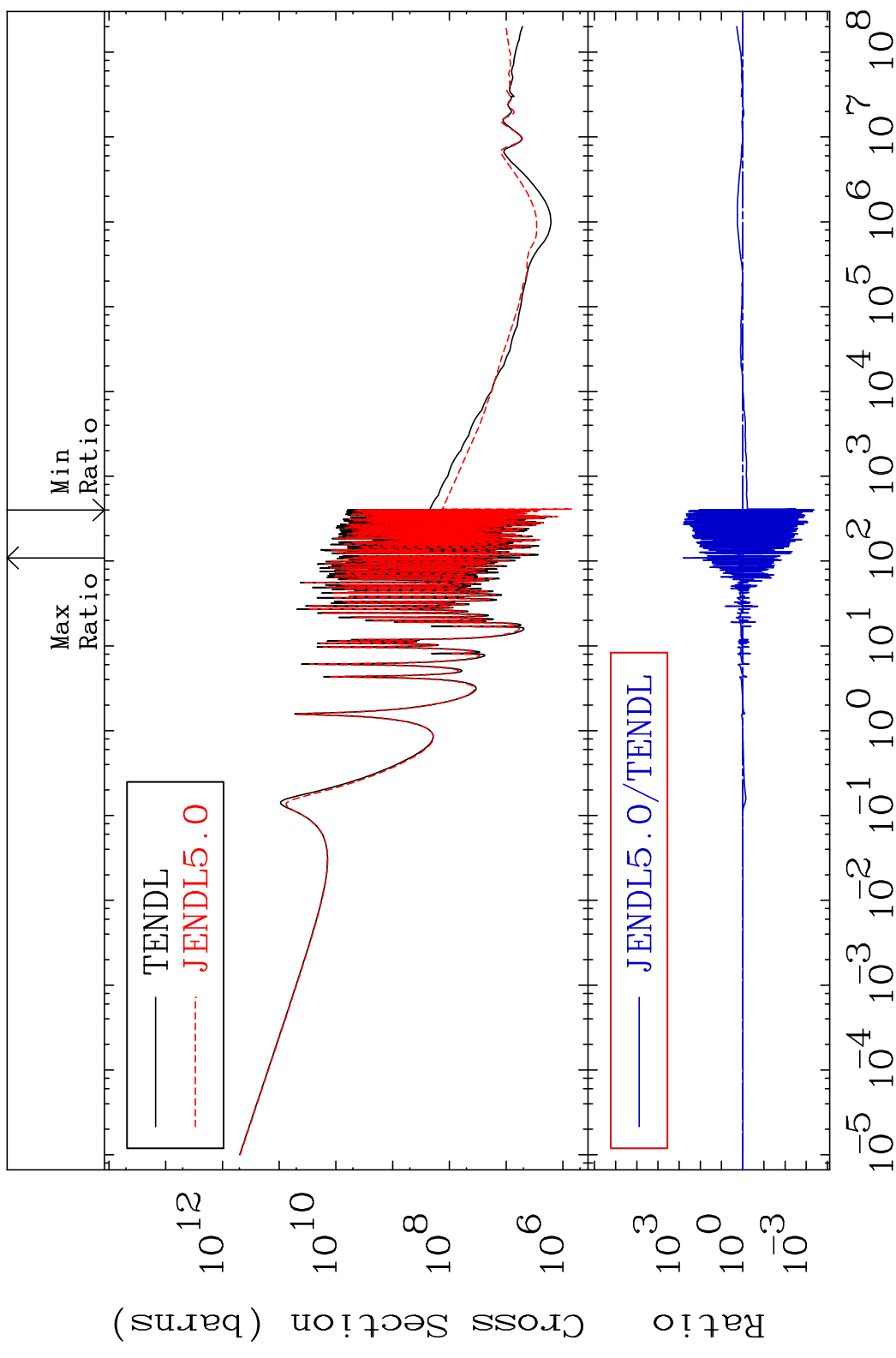


MAT 7128 Kerma capture (mt102) 71-Lu-176  
 Cross Section -100.0 To 9999. %

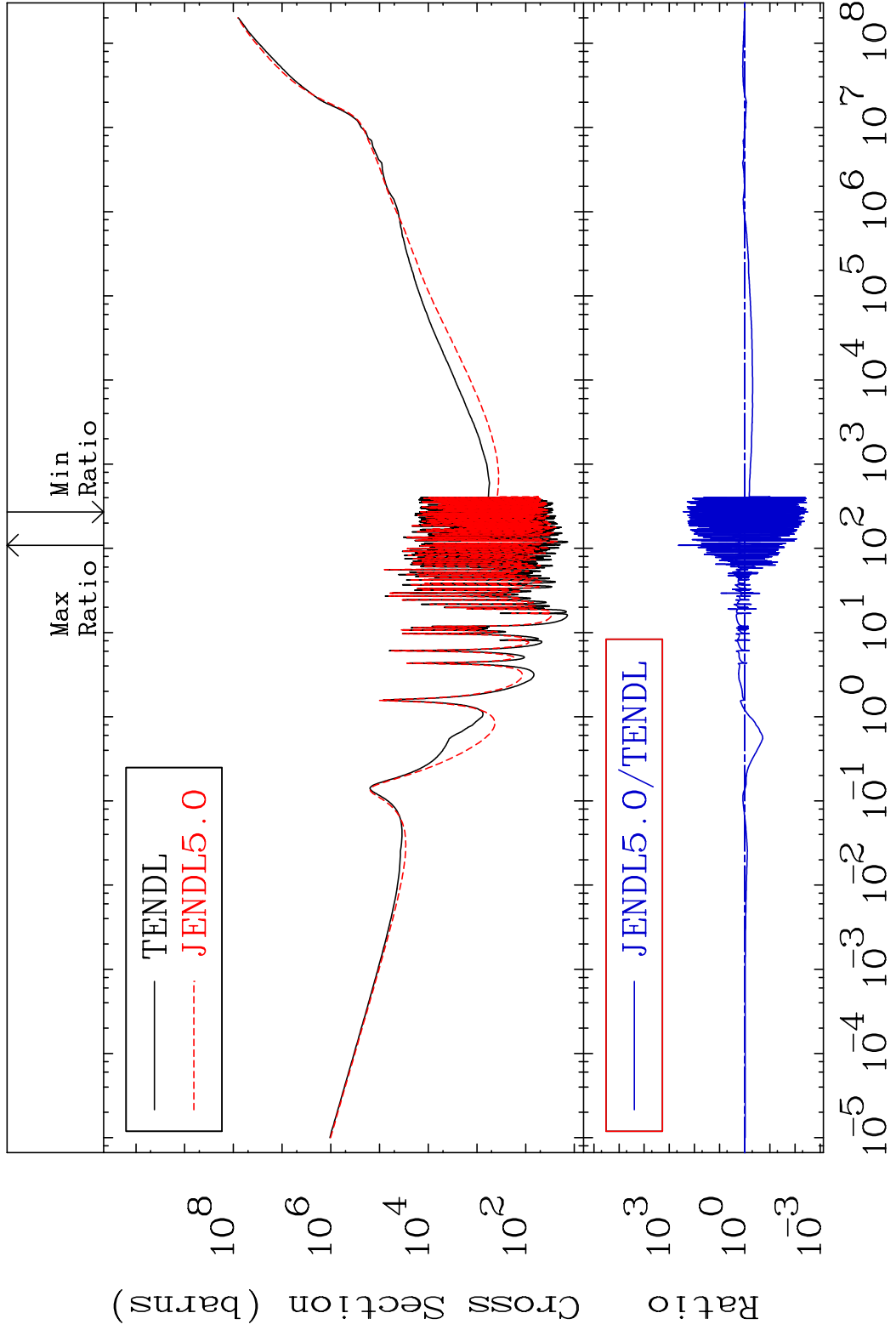


50 Incident Energy (eV) 71-Lu-176

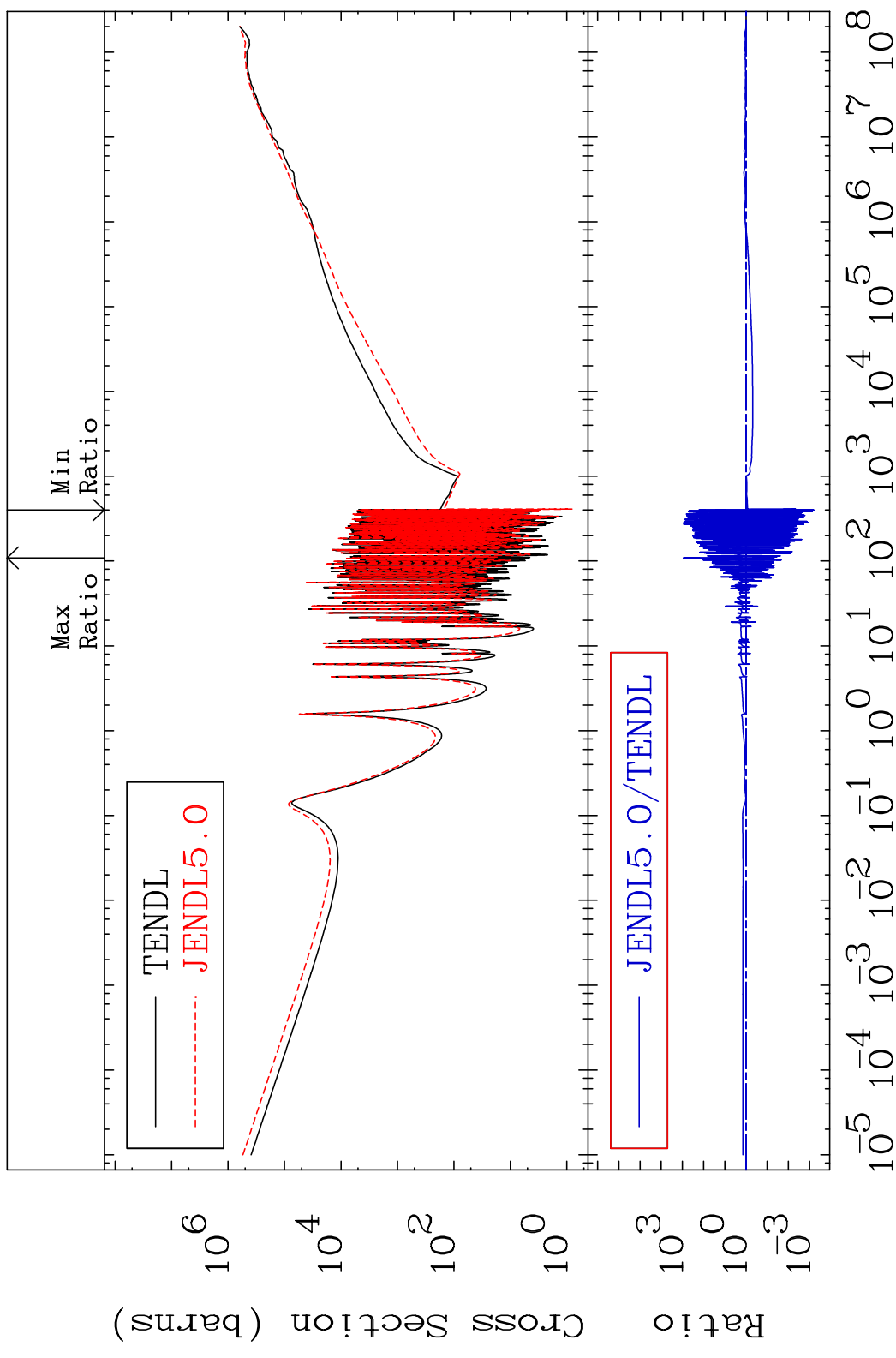
MAT 7128 Total photon (eV-barns) 71-Lu-176  
 Cross Section -99.96 To 9999. %



MAT 7128 Total kinematic kerma (high limit) 71-Lu-176  
 Cross Section -99.69 To 9999. %



MAT 7128      Dpa total (eV-barns)      71-Lu-176  
 Cross Section      -99.94 To 9999. %



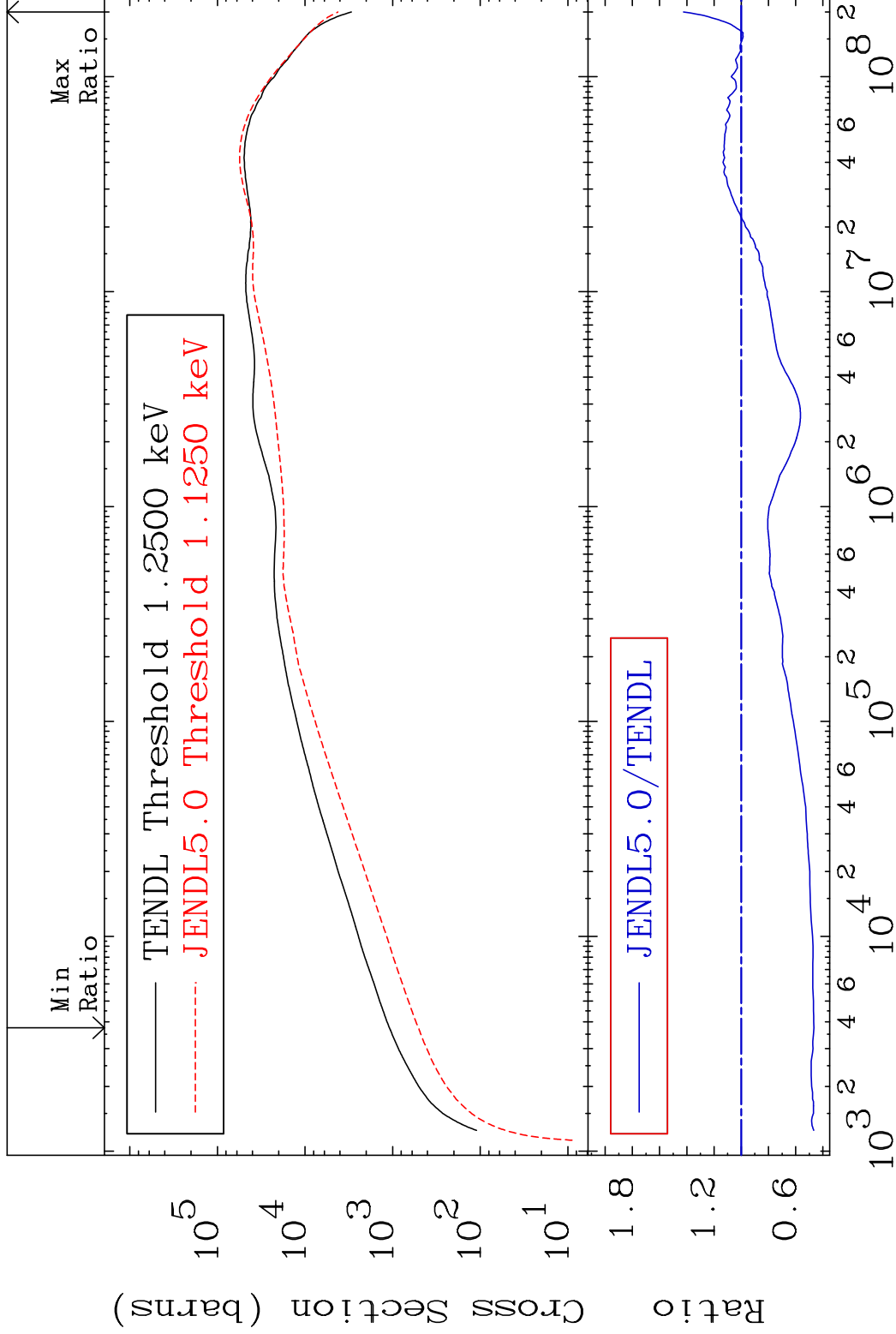
53      Incident Energy (eV)      71-Lu-176

MAT 7128

Dpa elastic (mt2)

71-Lu-176

Cross Section -53.36 To 42.46 %

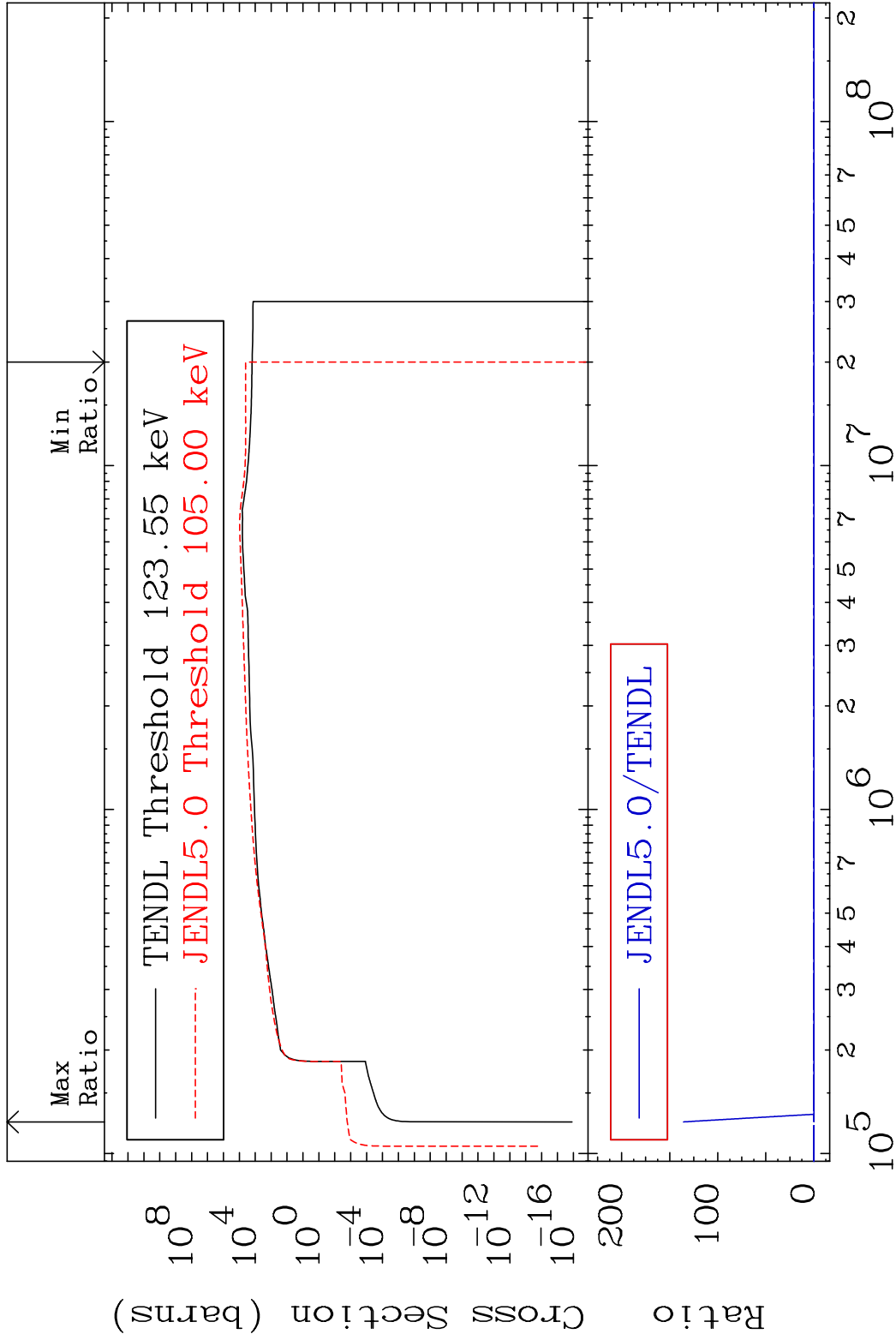


54

Incident Energy (eV)

71-Lu-176

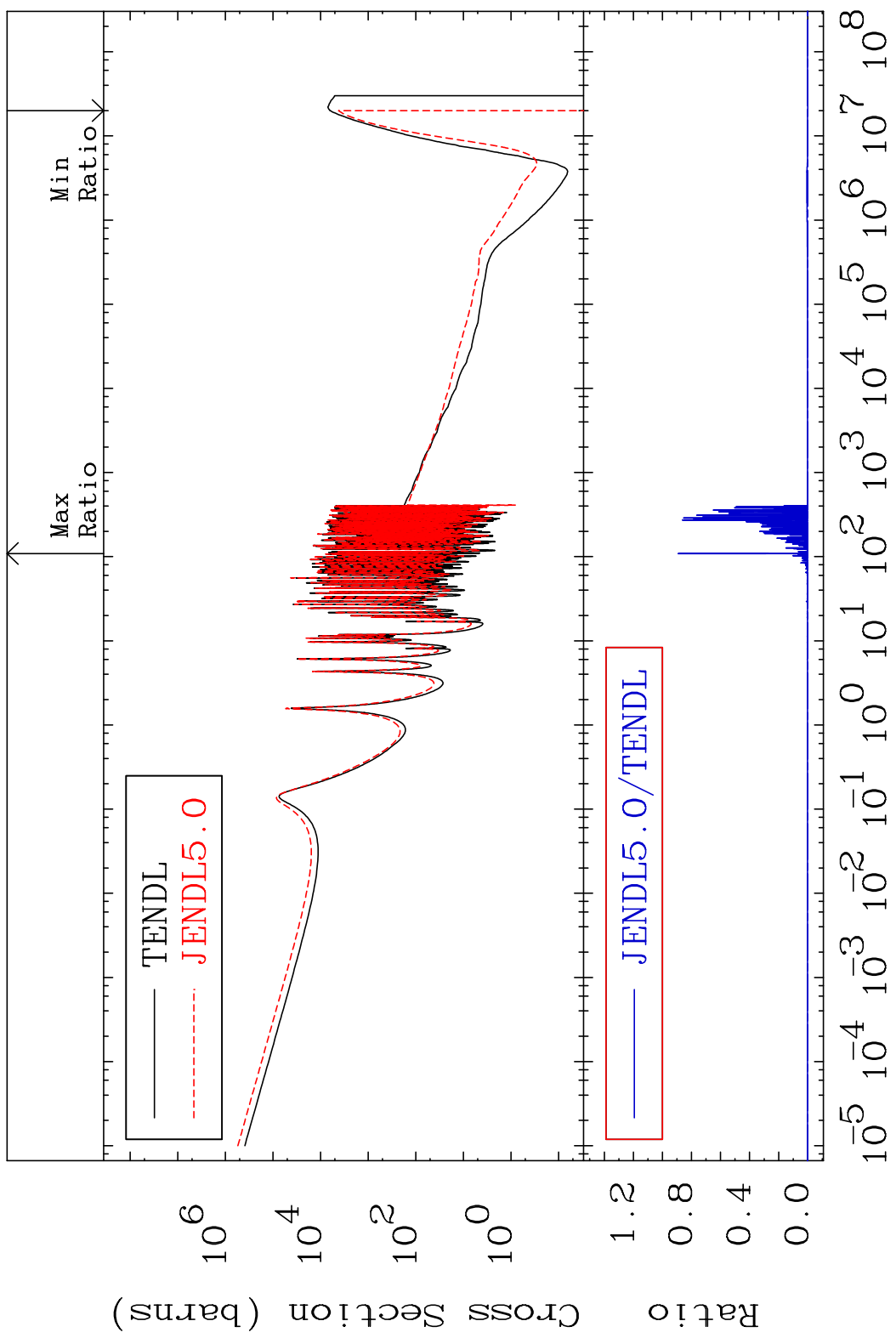
MAT 7128 Dpa inelastic (mt51-91) 71-Lu-176  
 Cross Section -100.0 To 9999. %



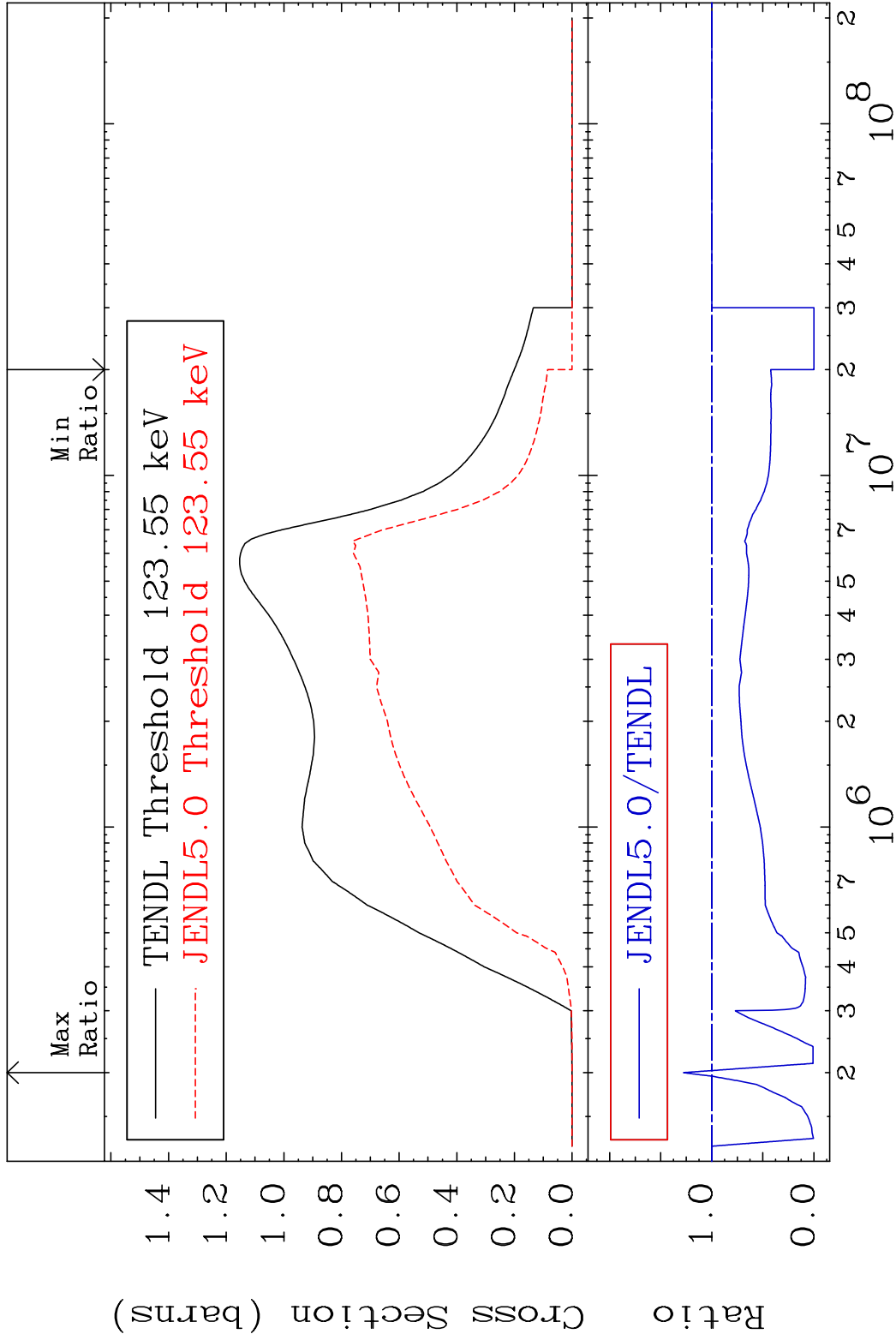
55 Incident Energy (eV) 71-Lu-176

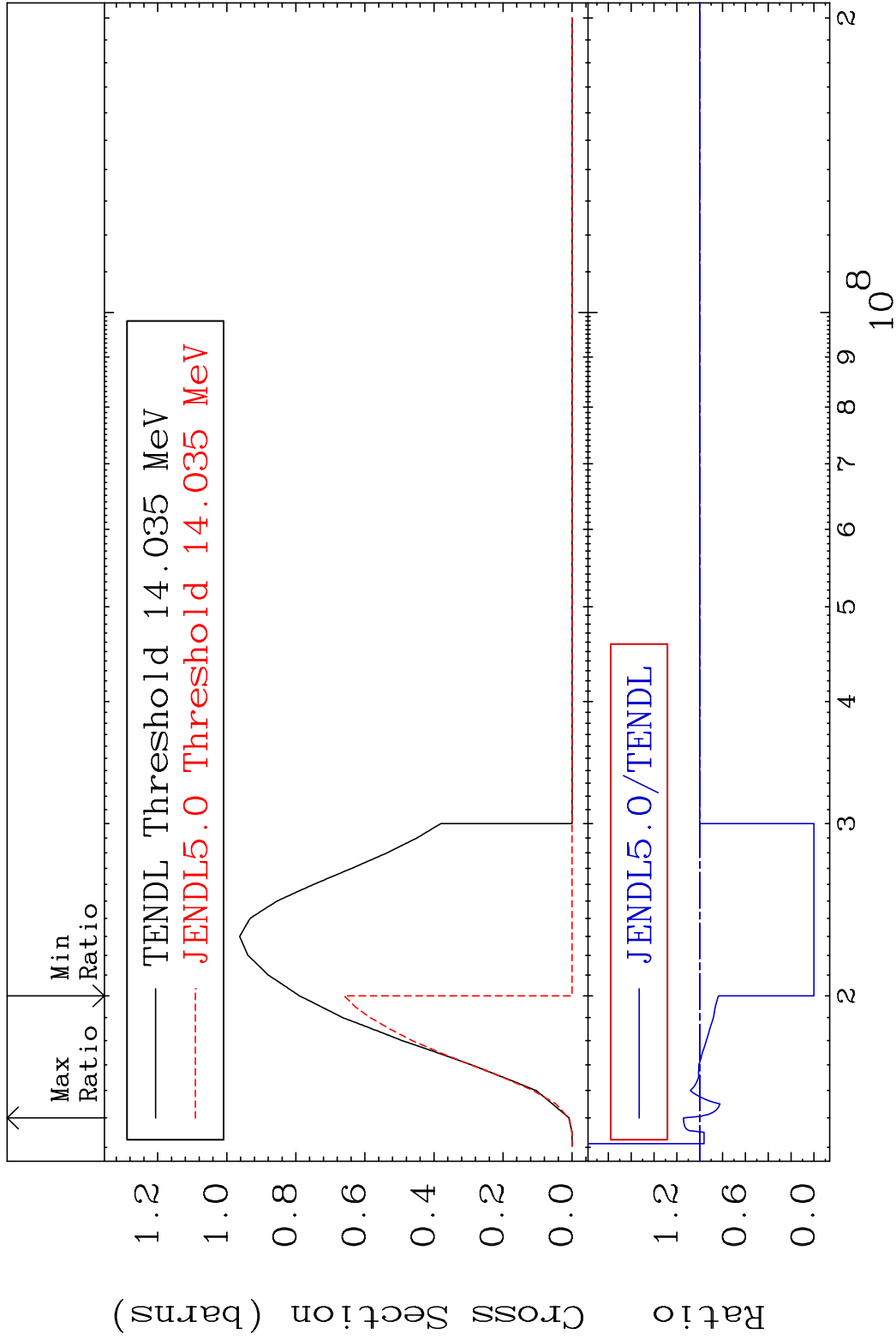


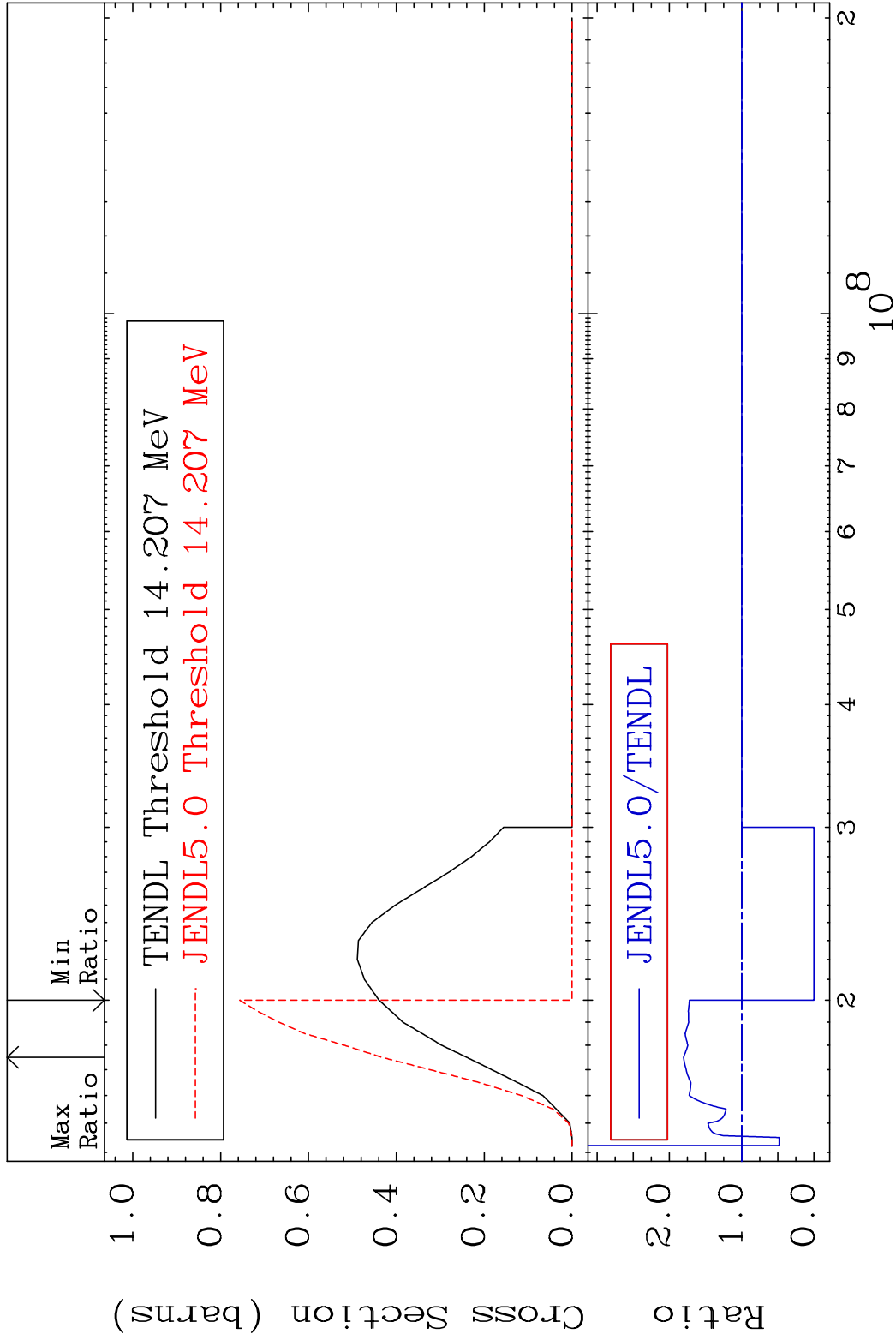
MAT 7128 Dpa disappearance (mt102 -120) 71-Lu-176  
 Cross Section -100.0 To 9999. %



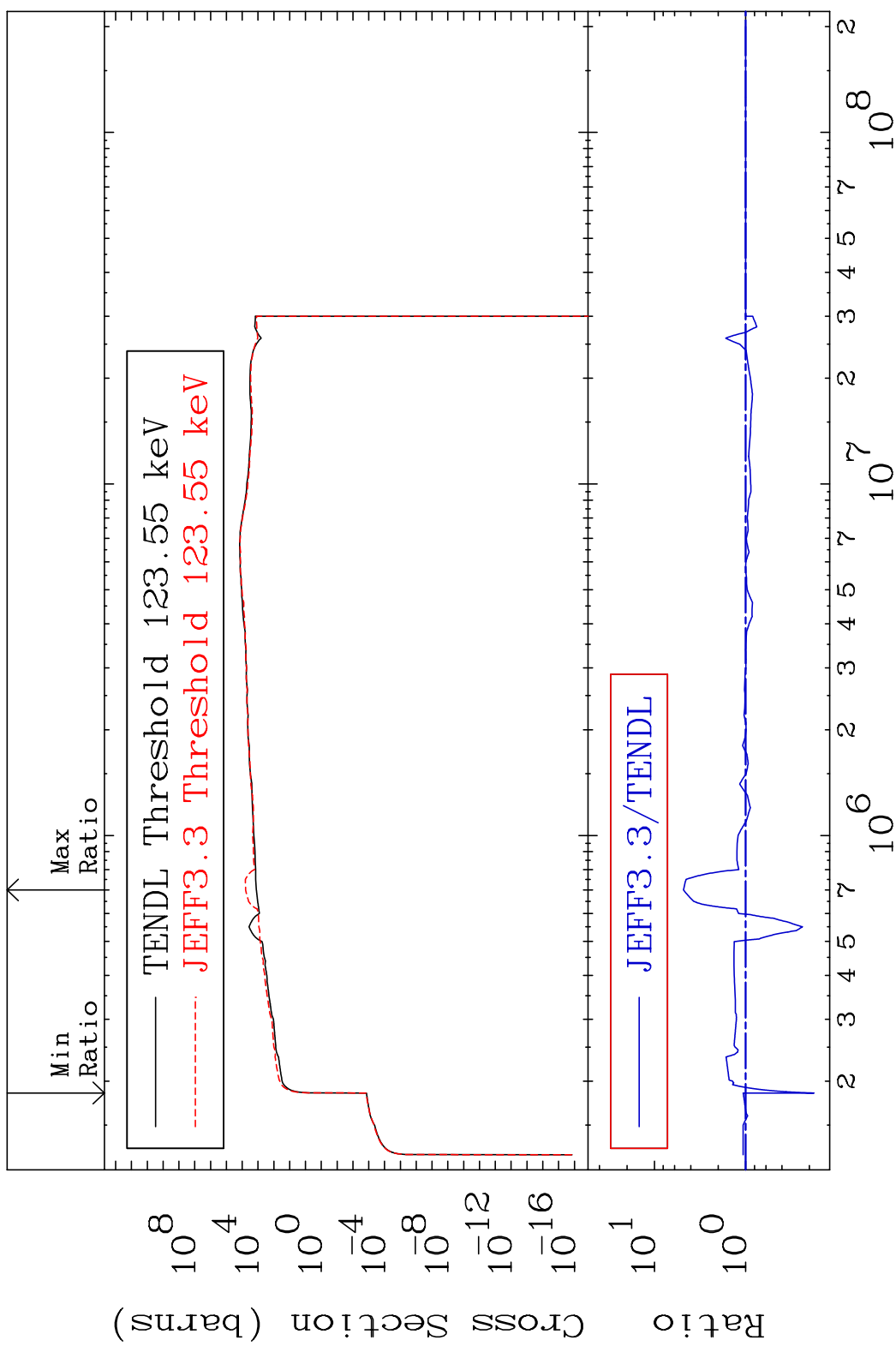
MAT 7128 Inelastic: 71-Lu-176m1 71-Lu-176  
 Radionuclide Production Cross Section 1800.0 dpo 27.75 %



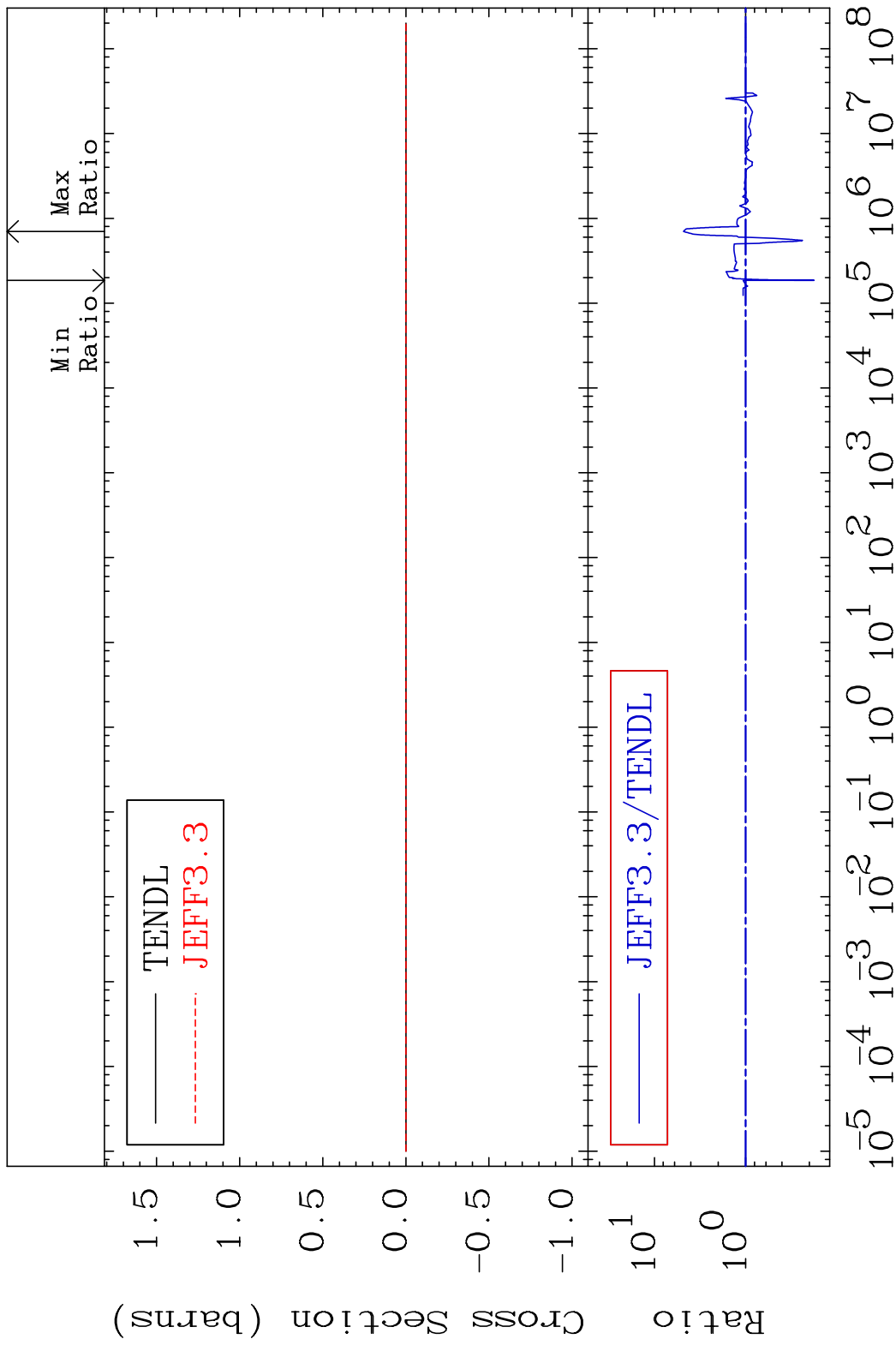




MAT 7128 Kerma inelastic (mt51-91) 71-Lu-176  
 Cross Section -82.14 To 380.6 %

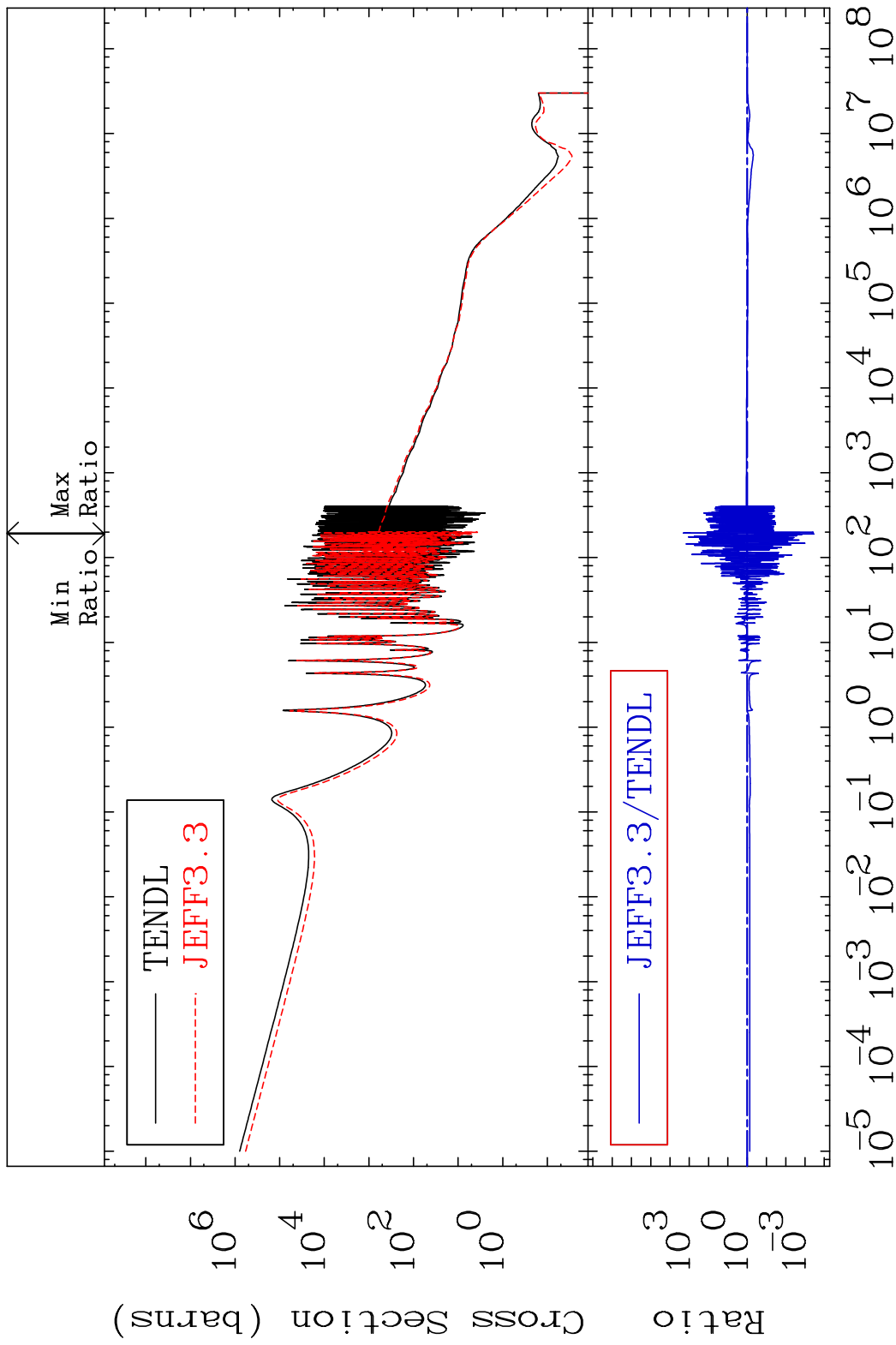


MAT 7128 Kerma fission (mt18 or mt19-20-21-38) 71-Lu-176  
 Cross Section -82.14 To 380.6 %



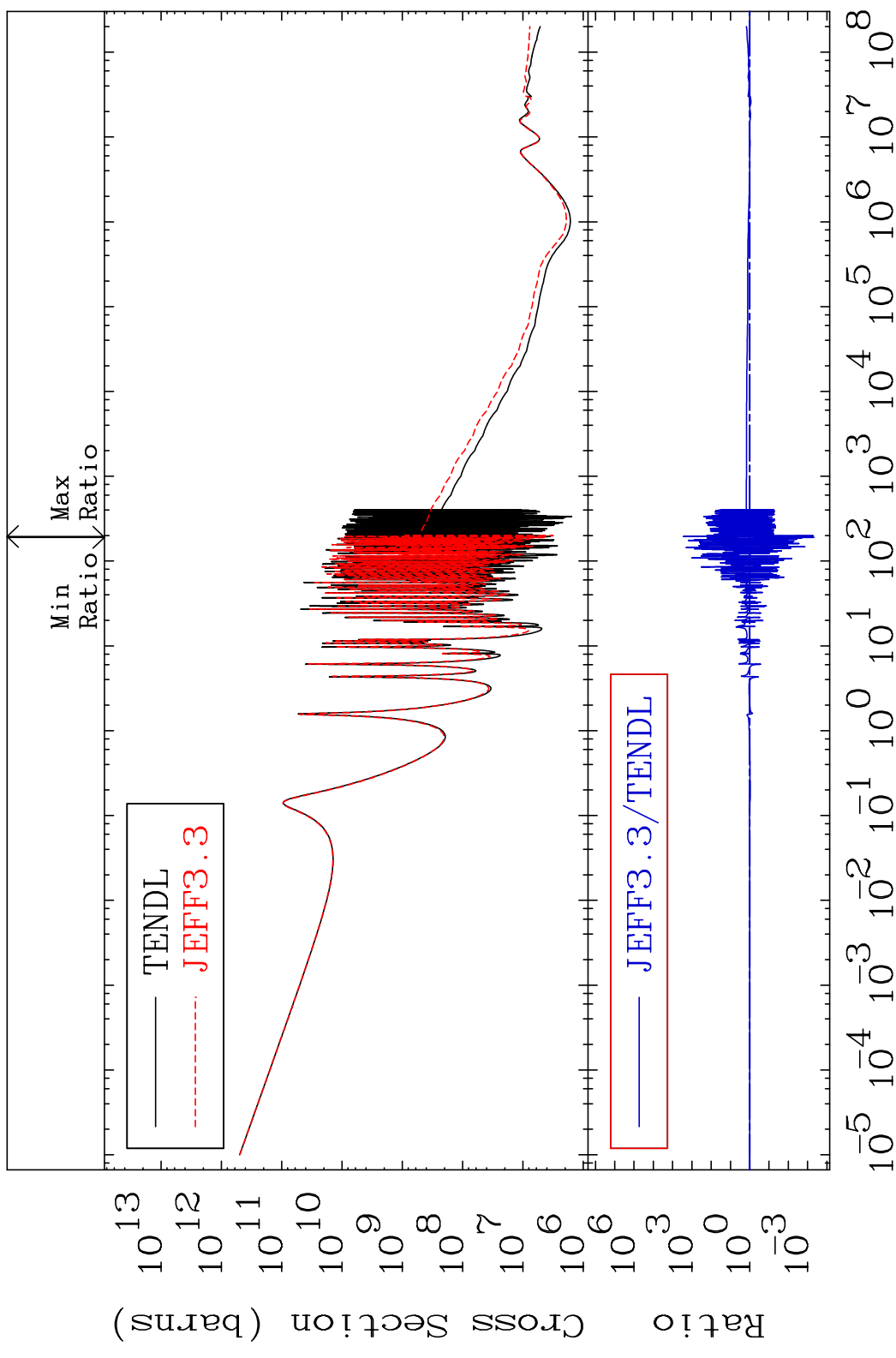
61 Incident Energy (eV) 71-Lu-176

MAT 7128 Kerma capture (mt102) 71-Lu-176  
 Cross Section -99.97 To 9999. %



62 Incident Energy (eV) 71-Lu-176

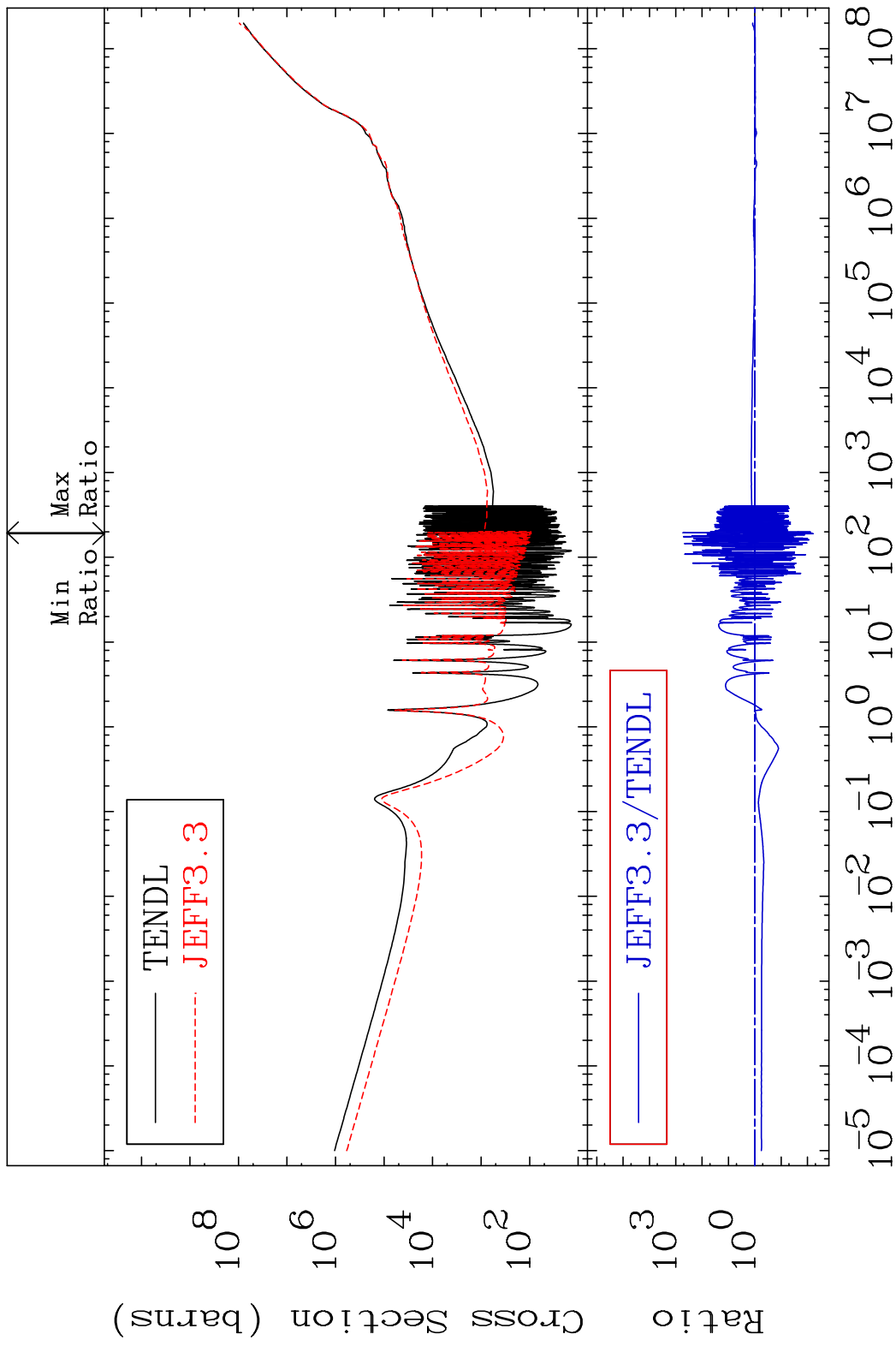
MAT 7128 Total photon (eV-barns) 71-Lu-176  
 Cross Section -99.95 To 9999. %



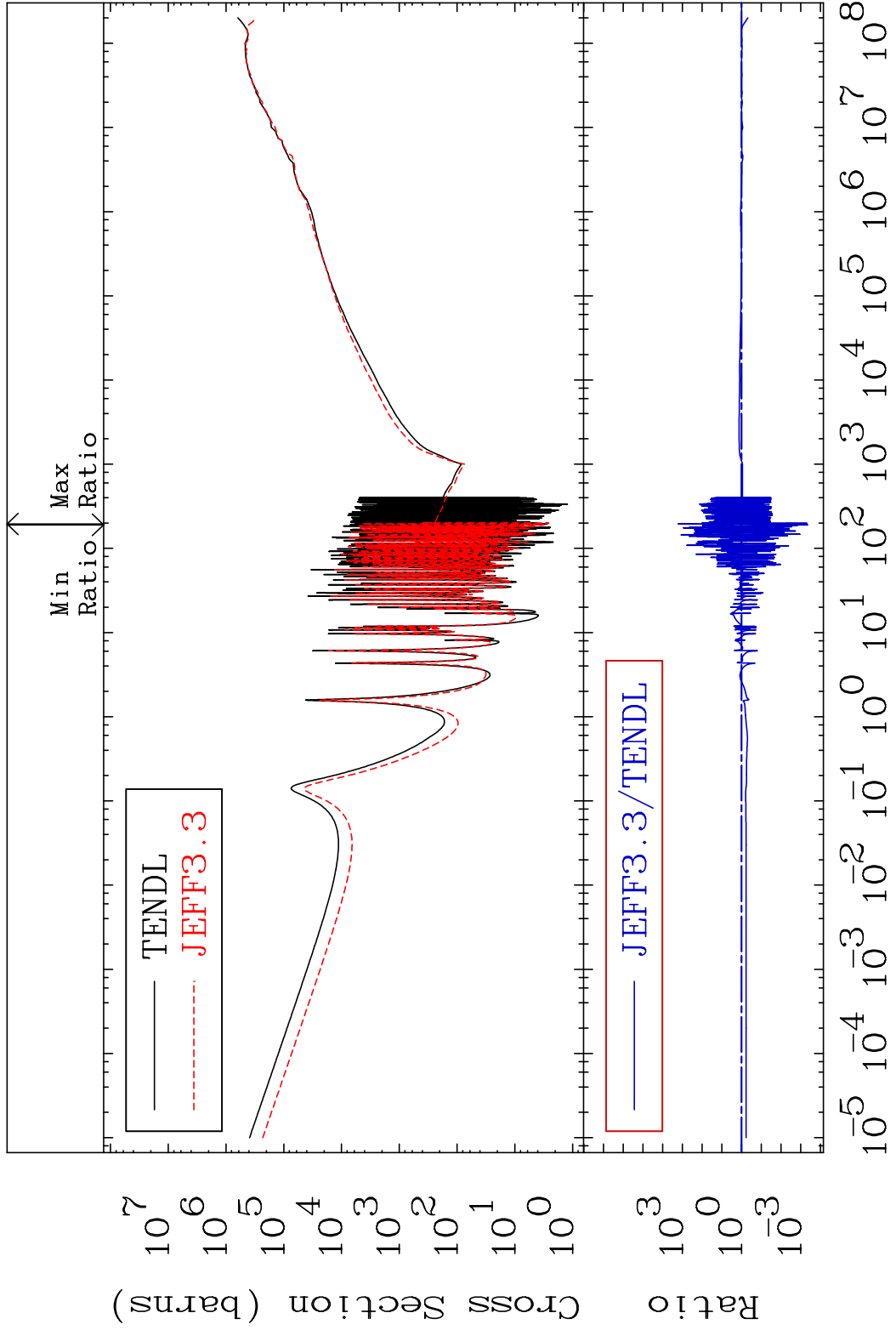
63 Incident Energy (eV) 71-Lu-176



MAT 7128 Total kinematic kerma (high limit) 71-Lu-176  
 Cross Section -99.39 To 9999. %



MAT 7128      Dpa total (eV-barns)      71-Lu-176  
 Cross Section      -99.96 To 9999. %



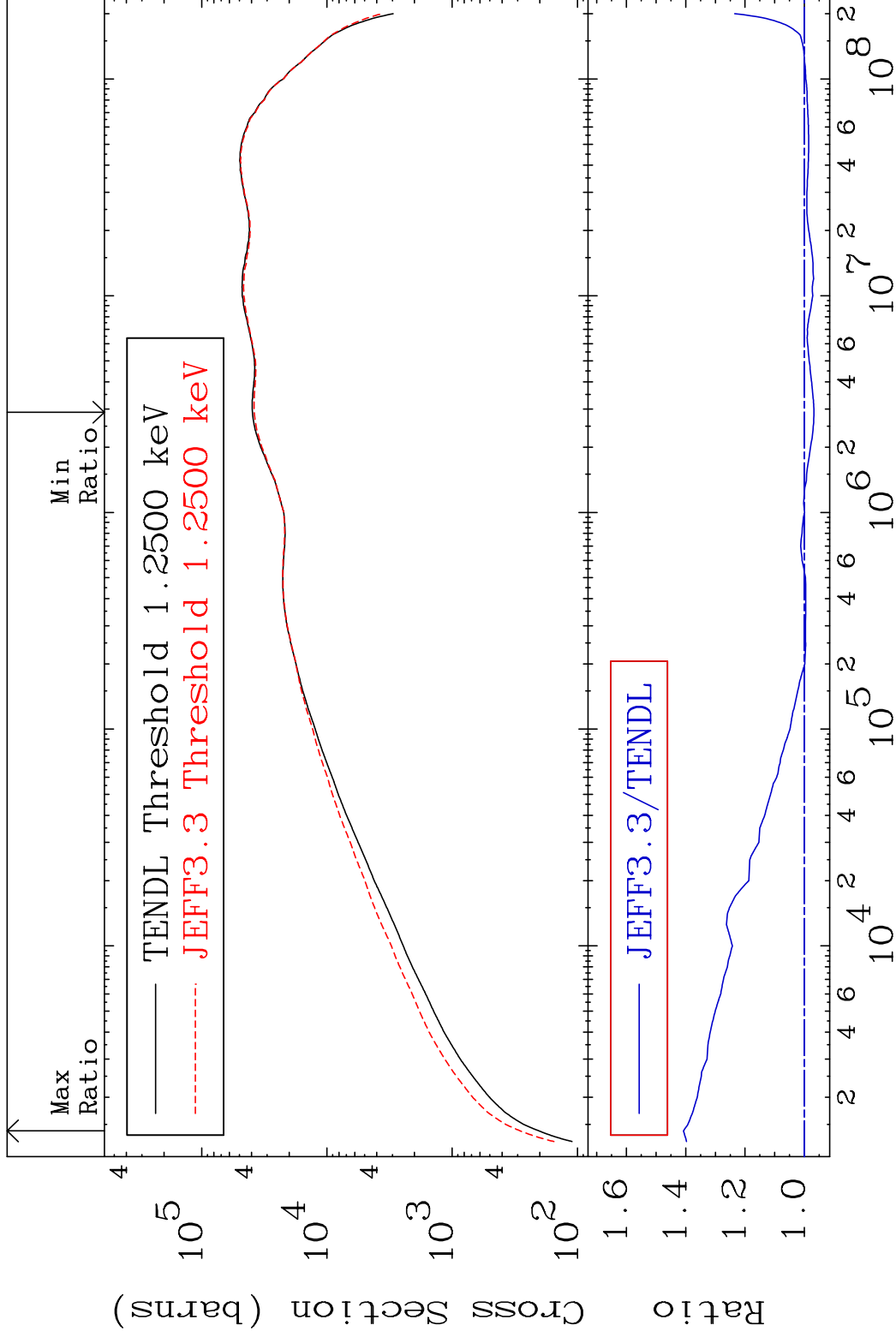
65      Incident Energy (eV)      71-Lu-176

MAT 7128

Dpa elastic (mt2)

71-Lu-176

Cross Section -3.199 To 40.76 %

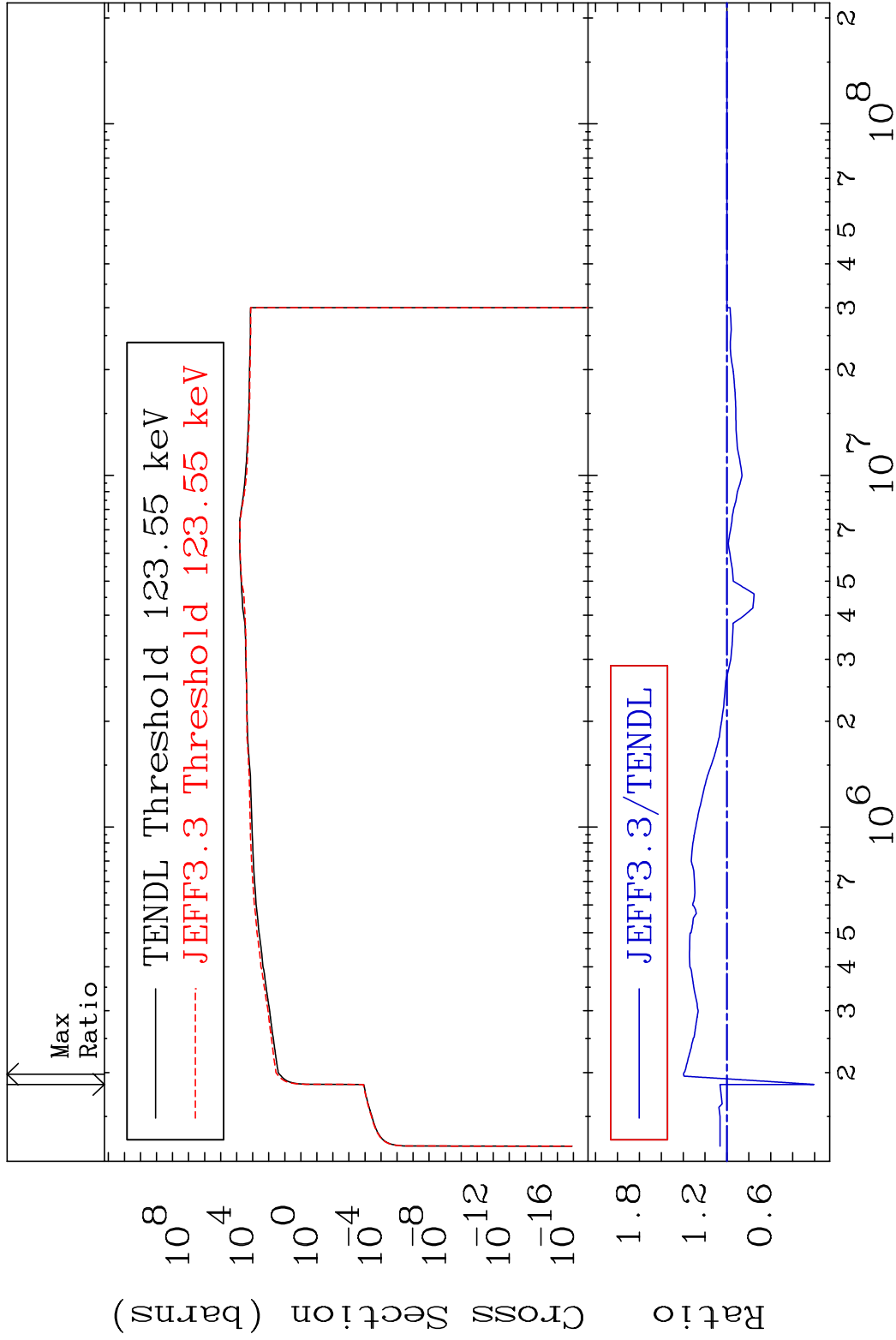


66

Incident Energy (eV)

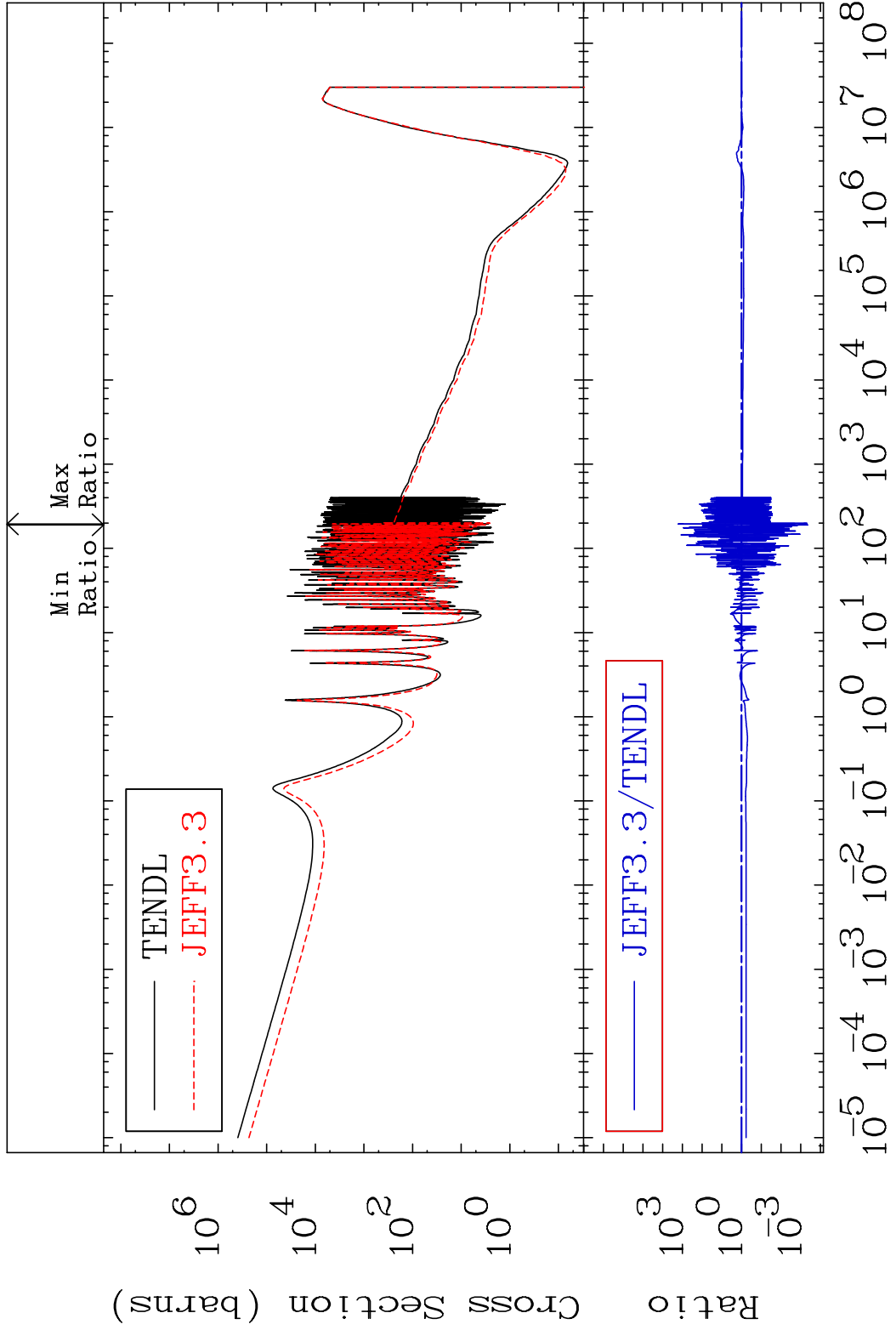
71-Lu-176

MAT 7128 Dpa inelastic (mt51-91) 71-Lu-176  
 Cross Section -79.43 To 39.75 %

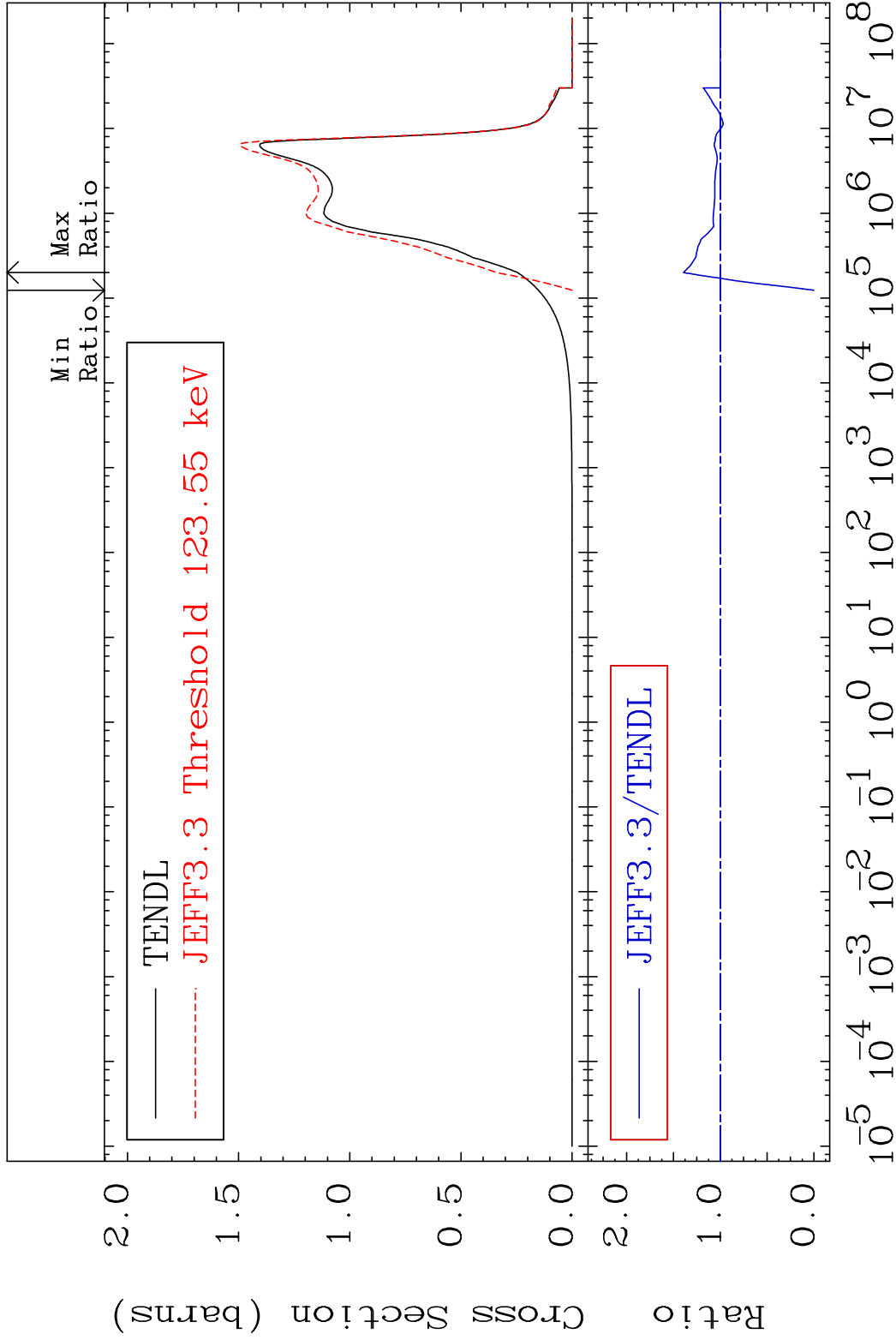


67 Incident Energy (eV) 71-Lu-176

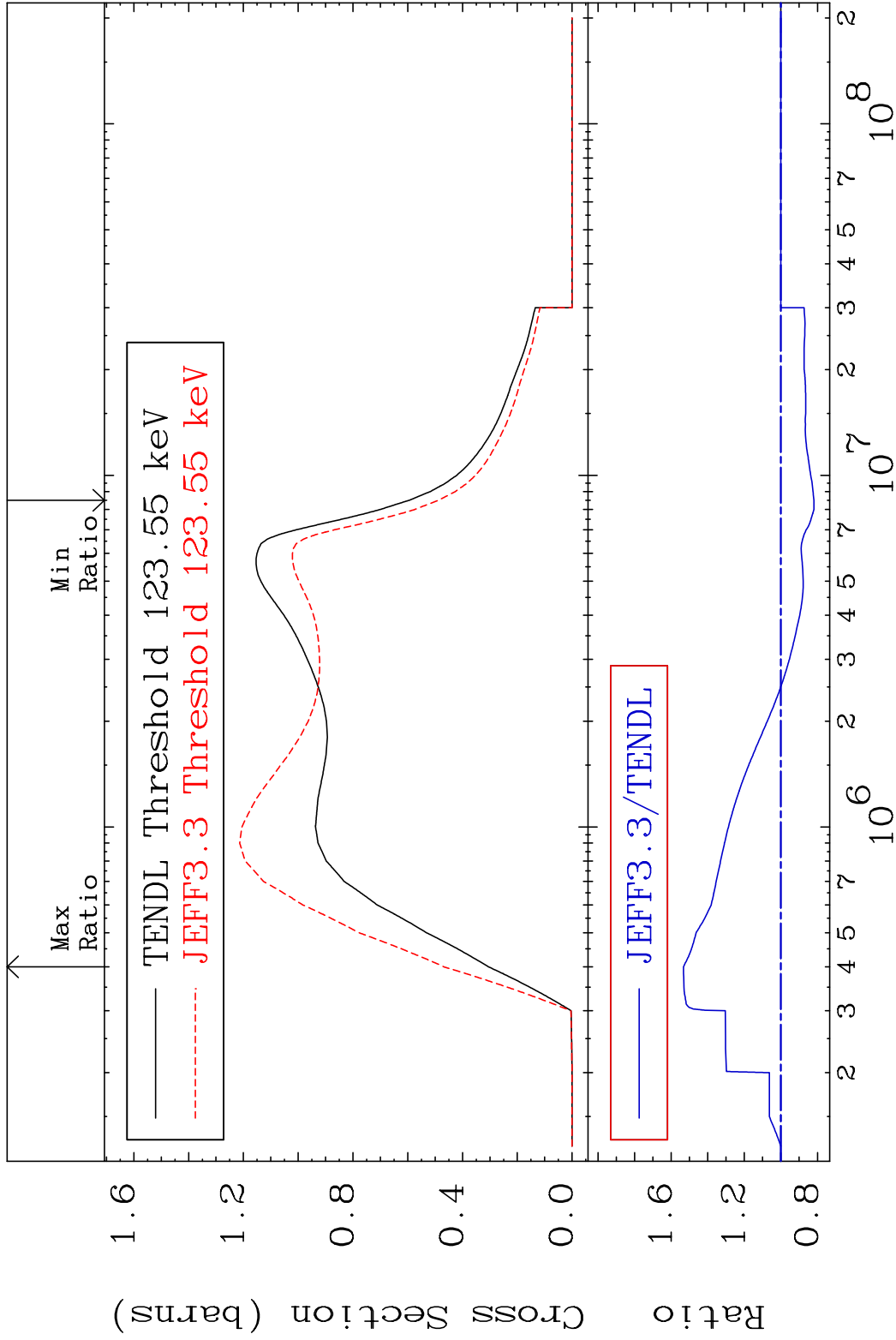
MAT 7128 Dpa disappearance (mt102 -120) 71-Lu-176  
 Cross Section -99.96 To 9999. %



68 Incident Energy (eV) 71-Lu-176

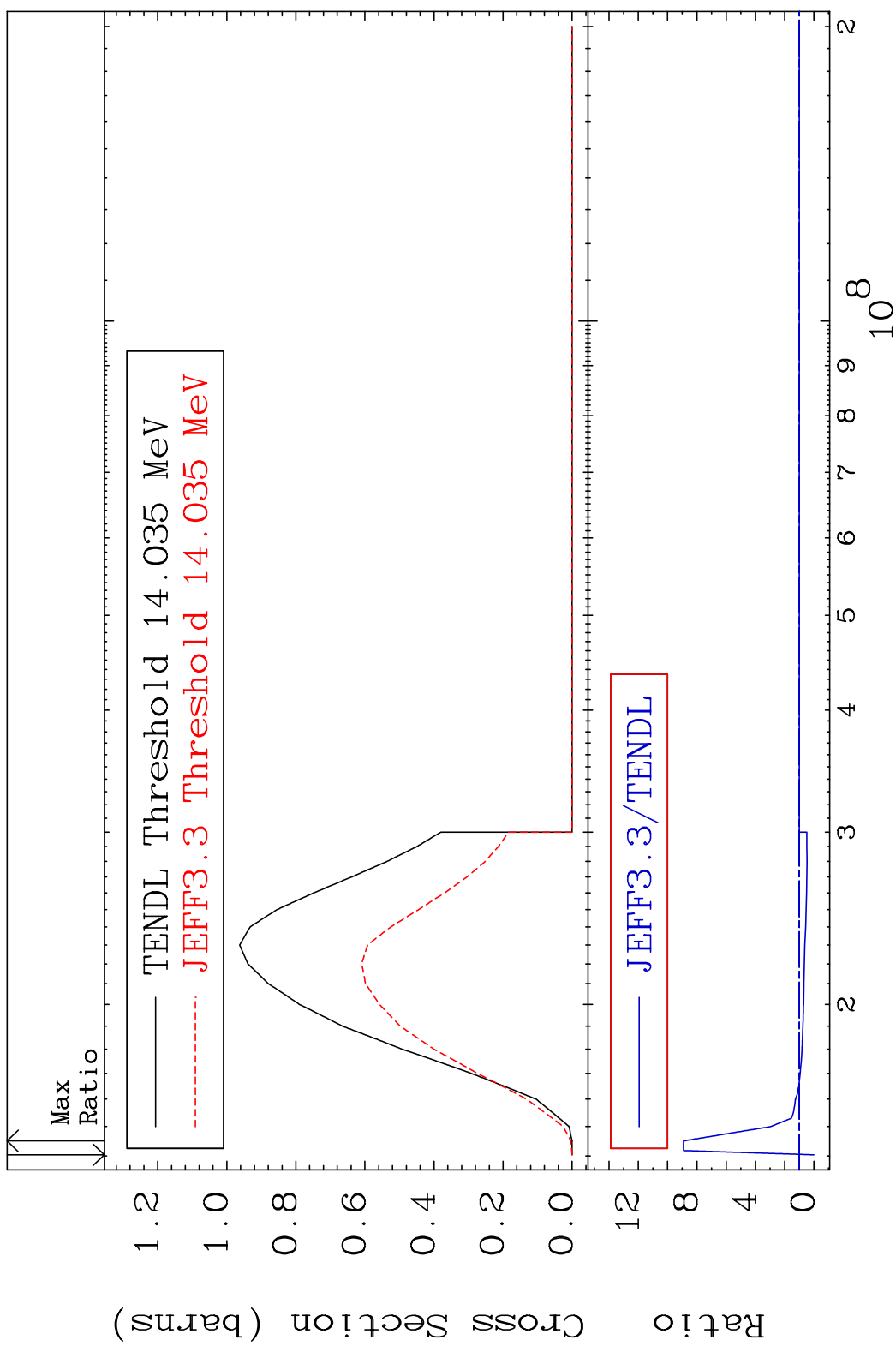


MAT 7128 Inelastic: 71-Lu-176m1 71-Lu-176  
 Radionuclide Production Cross Section 53.29 %



70 71-Lu-176

MAT 7128 (n,3n): 71-Lu-174g 71-Lu-176  
 Radionuclide Production Cross Section 1800.0 dpo 791.6 %



71 Incident Energy (eV) 71-Lu-176



MAT 7128 (n, 3n): 71-Lu-174m3 71-Lu-176  
 Radionuclide Production Cross Section 1800.0 d/d 753.2 %

