

Program Complot
(Version 2021-1)

by

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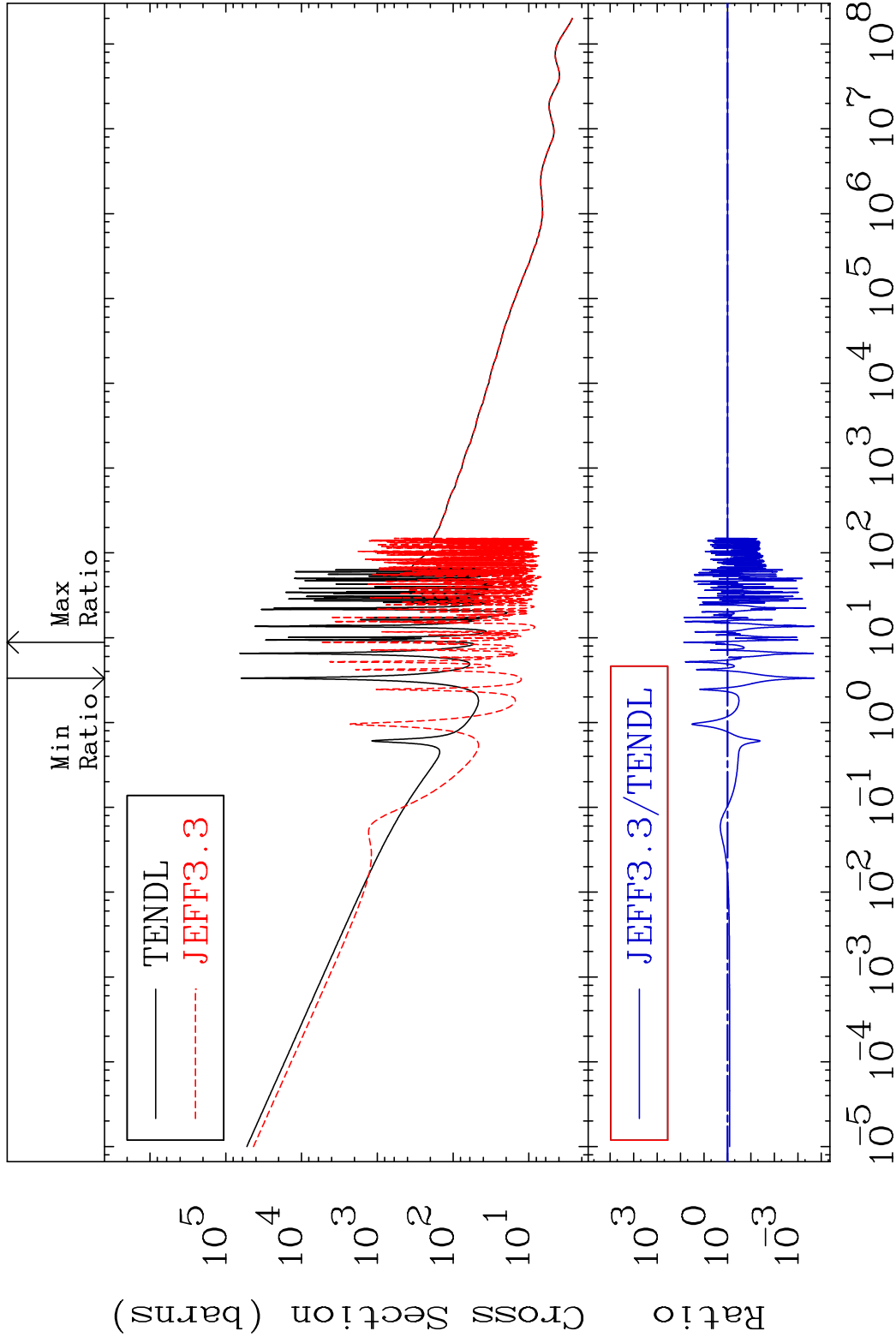
Press Mouse Button to Start

MAT 7131

Total

71-Lu-177

Cross Section -99.98 To 7288. %



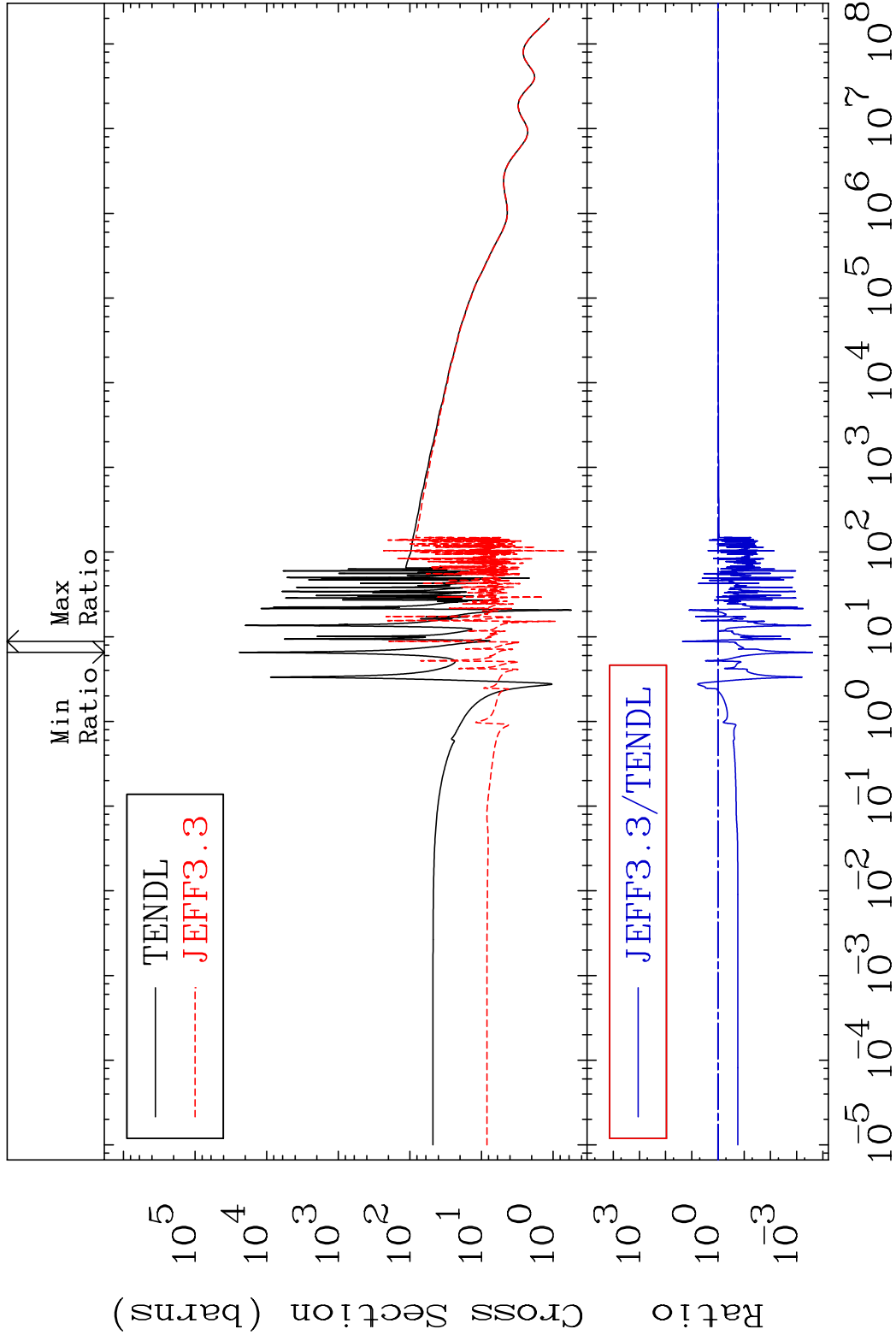
1

Incident Energy (eV)

71-Lu-177

MAT 7131

Elastic Cross Section -99.98 To 2198. %
71-Lu-177

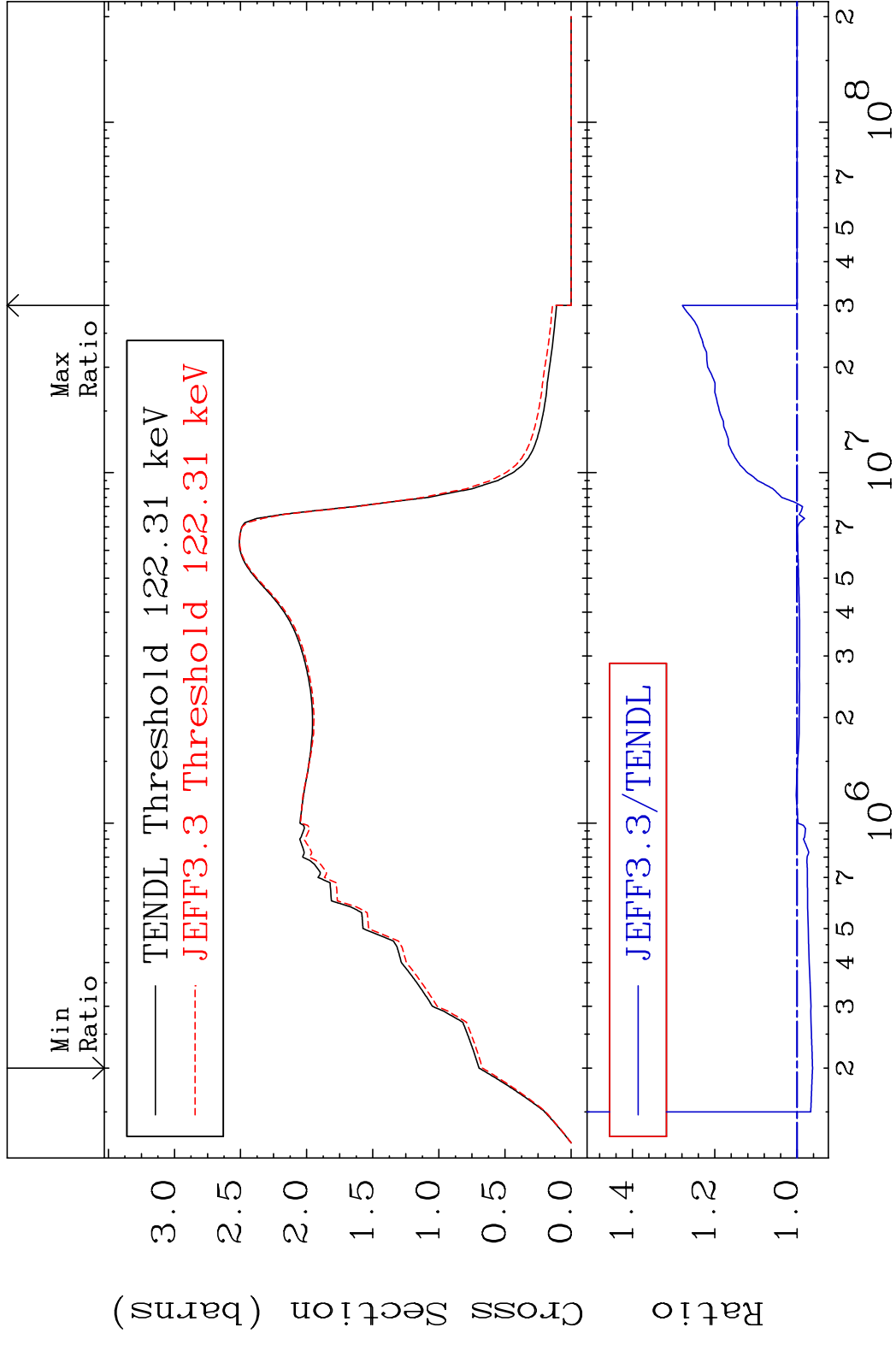


2

Incident Energy (eV)

71-Lu-177

MAT 7131 Inelastic 71-Lu-177
 Cross Section -3.753 To 27.89 %

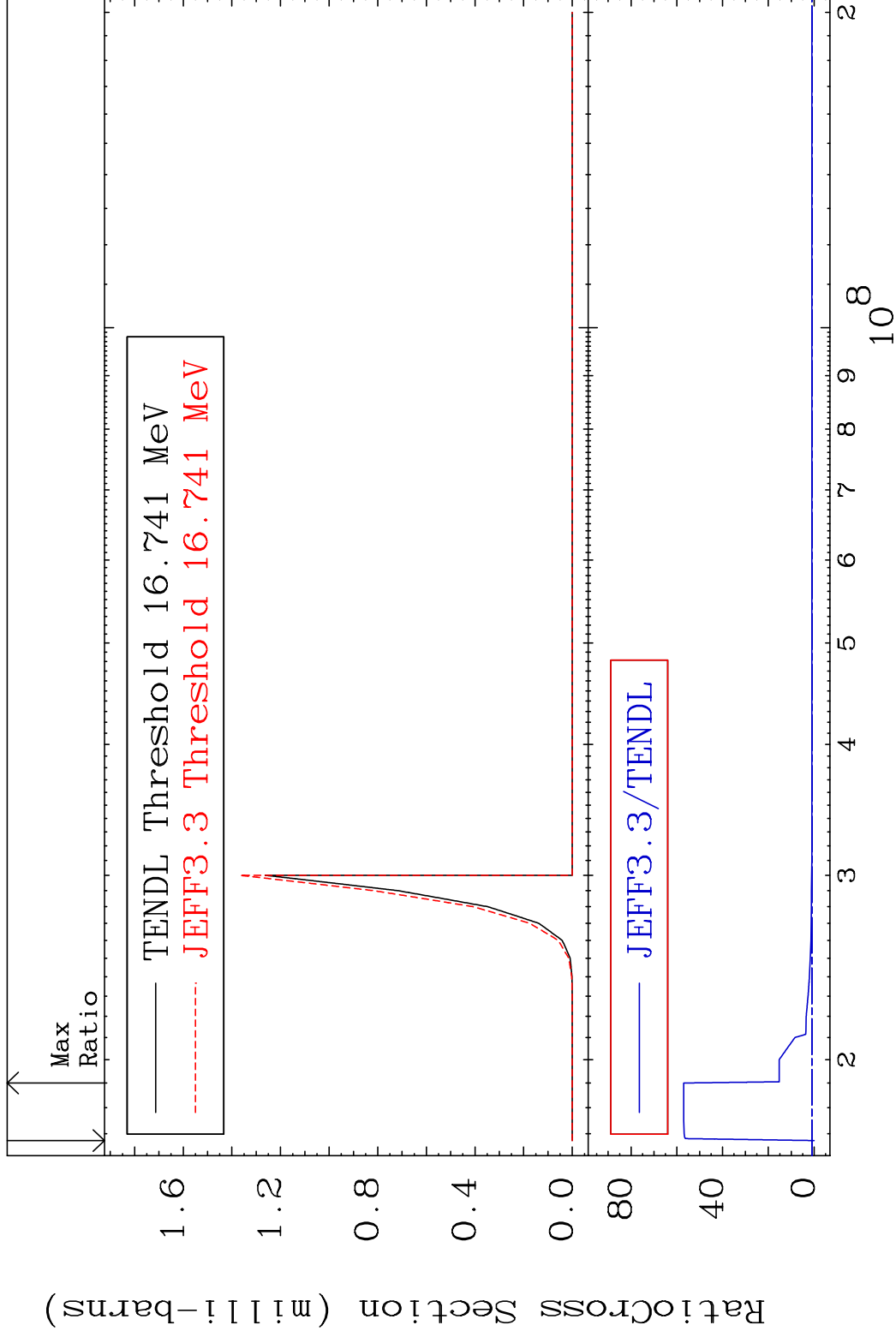


MAT 7131

(n,2n) d

71-Lu-177

Cross Section -100.0 To 5601. %



4

Incident Energy (eV)

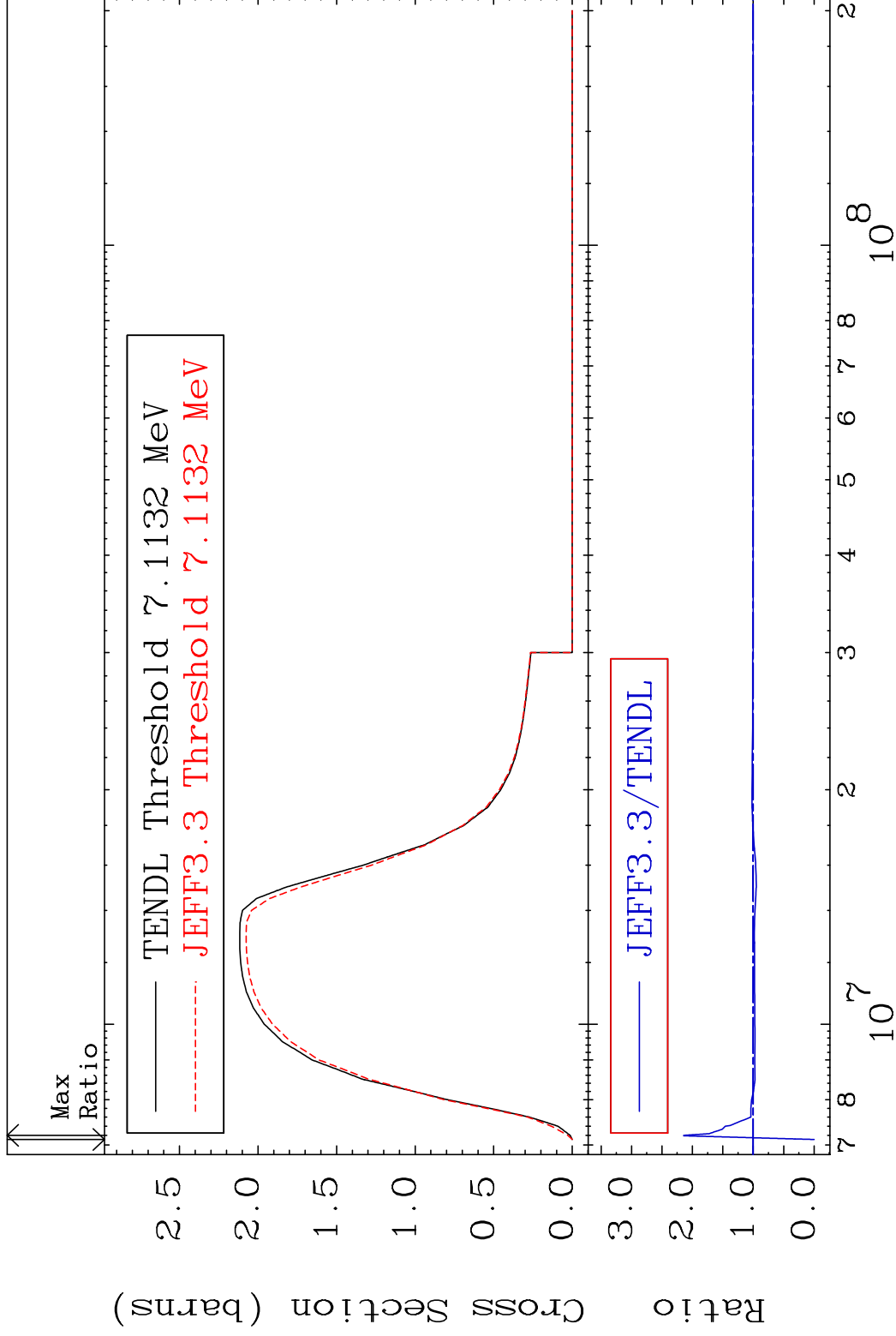
71-Lu-177

MAT 7131

(n,2n)

71-Lu-177

Cross Section -100.0 To 114.3 %



5

Incident Energy (eV)

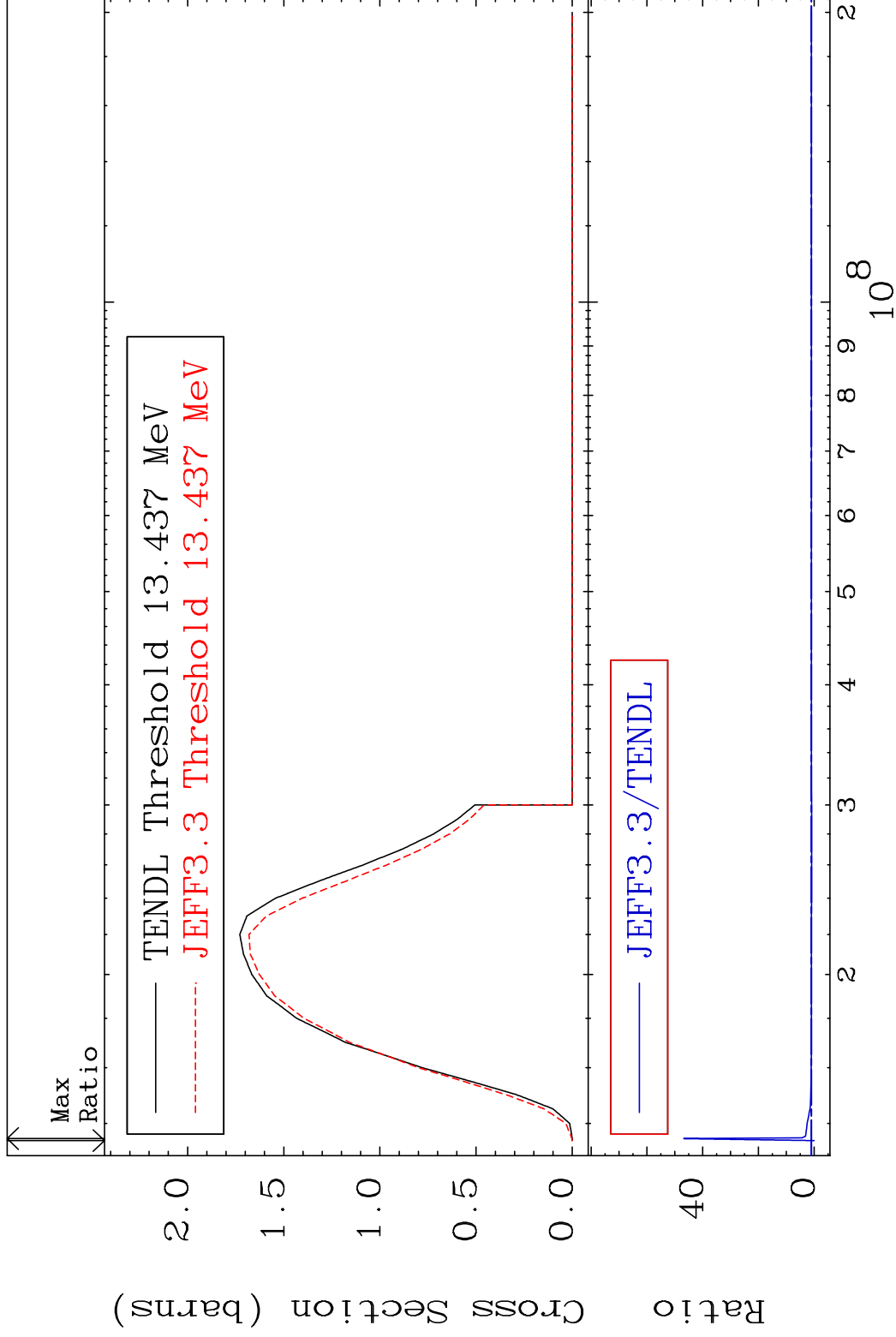
71-Lu-177

MAT 7131

(n,3n)

71-Lu-177

Cross Section -100.0 To 4581. %



6

Incident Energy (eV)

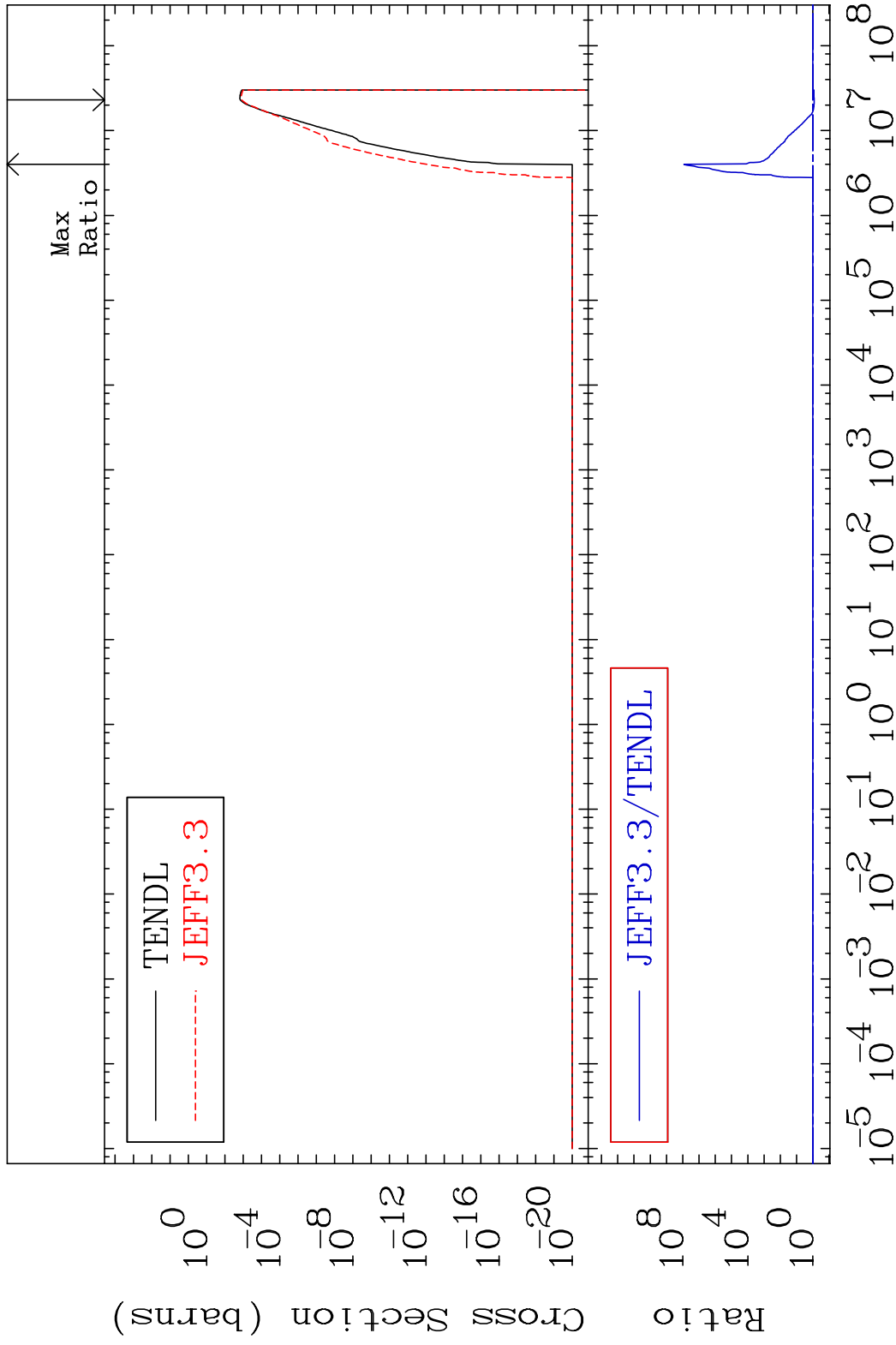
71-Lu-177

MAT 7131

(n, n') α

71-Lu-177

Cross Section -16.76 To 9999. %



7

Incident Energy (eV)

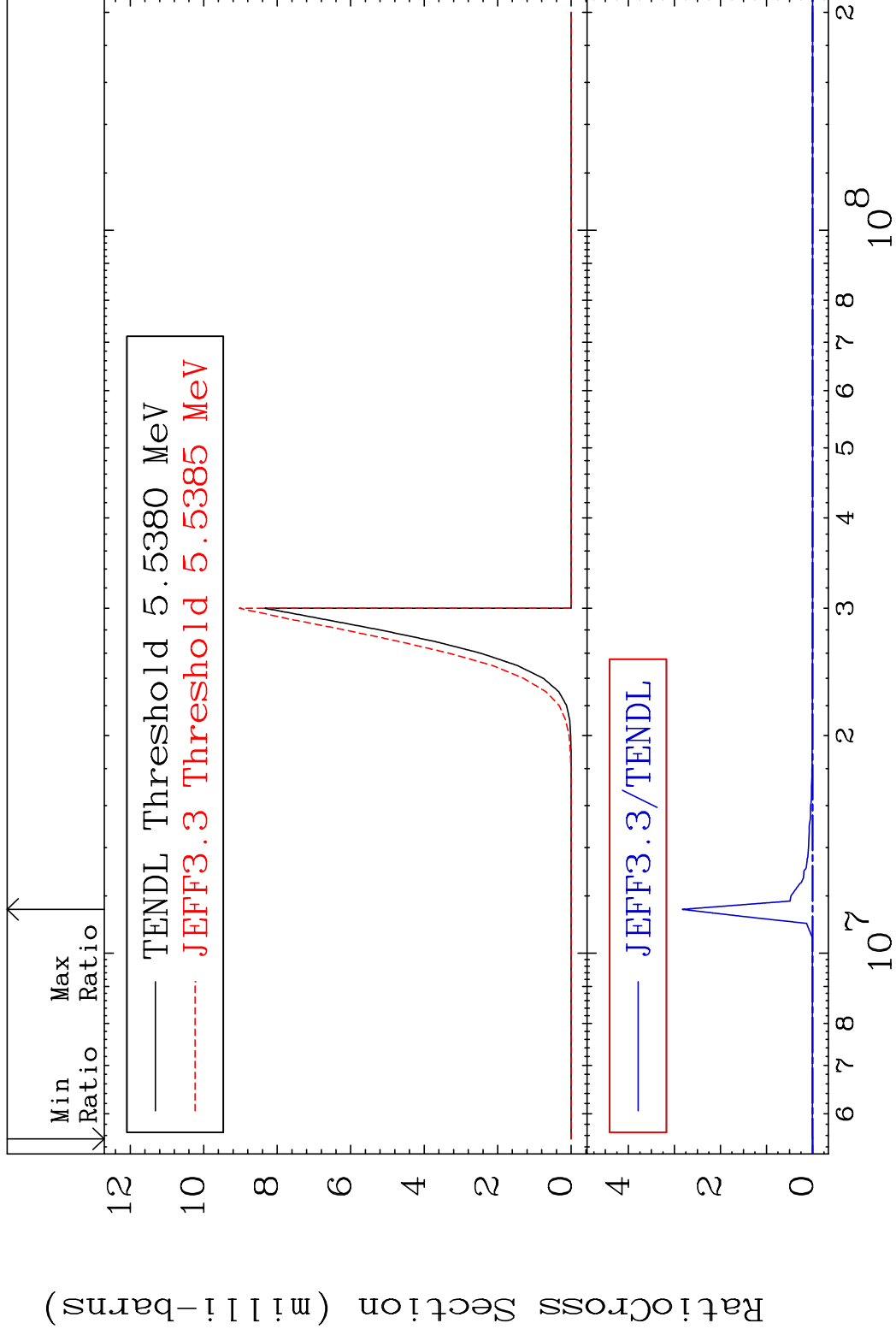
71-Lu-177

MAT 7131

(n,2n) α

71-Lu-177

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

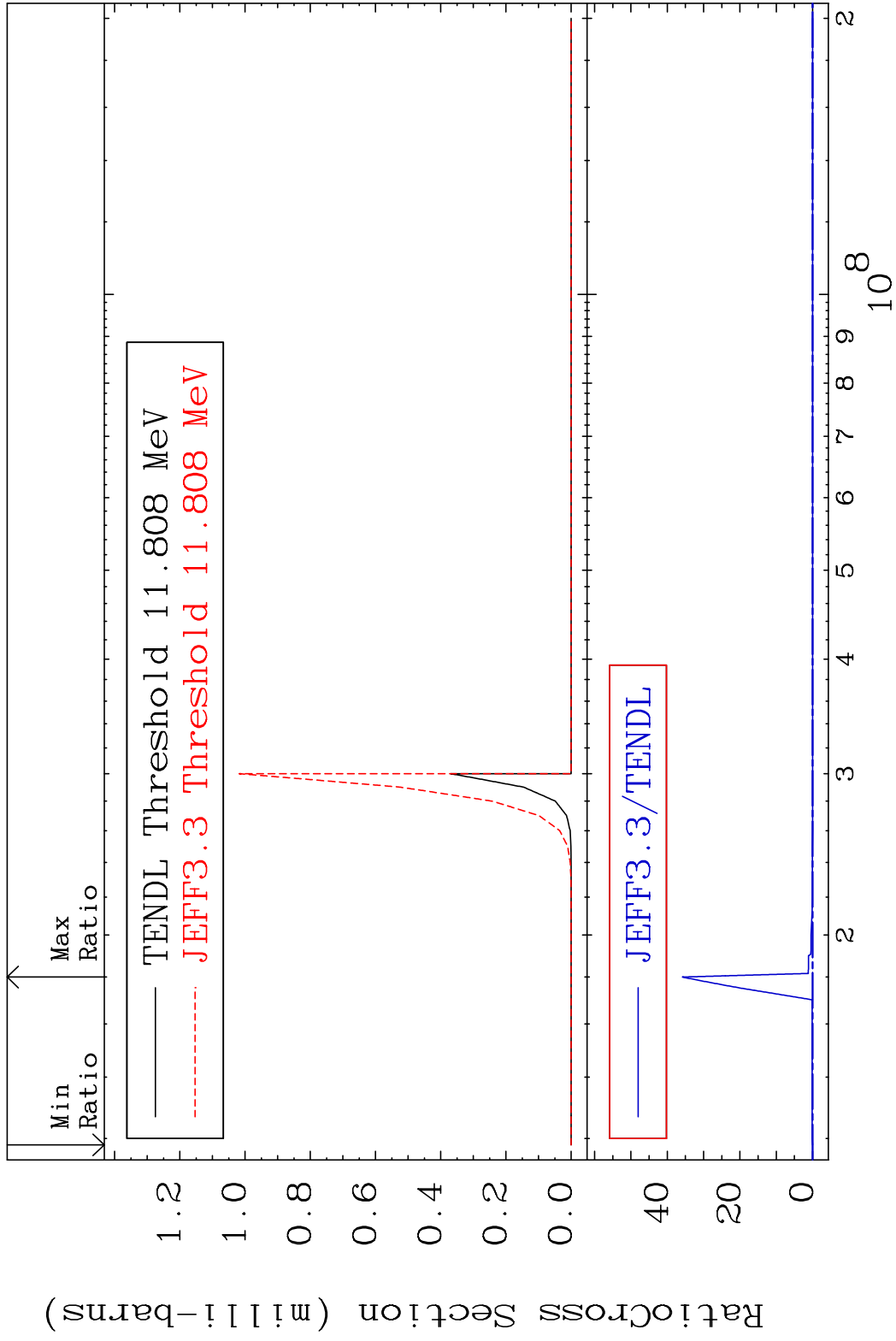
71-Lu-177

MAT 7131

(n,3n) α

71-Lu-177

Cross Section -100.0 To 9999. %

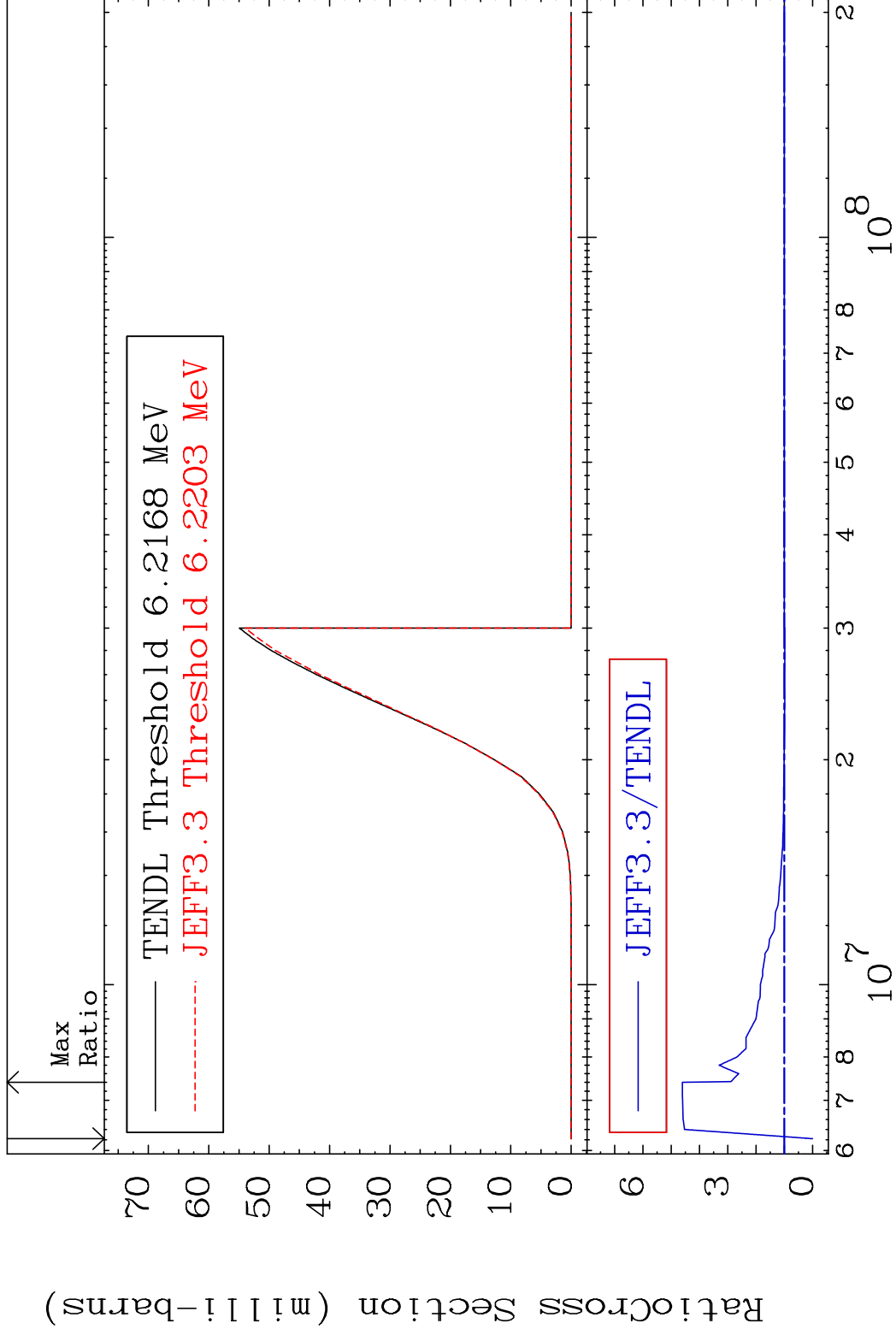


MAT 7131

(n, n') p

71-Lu-177

Cross Section -100.0 To 360.6 %



10

Incident Energy (eV)

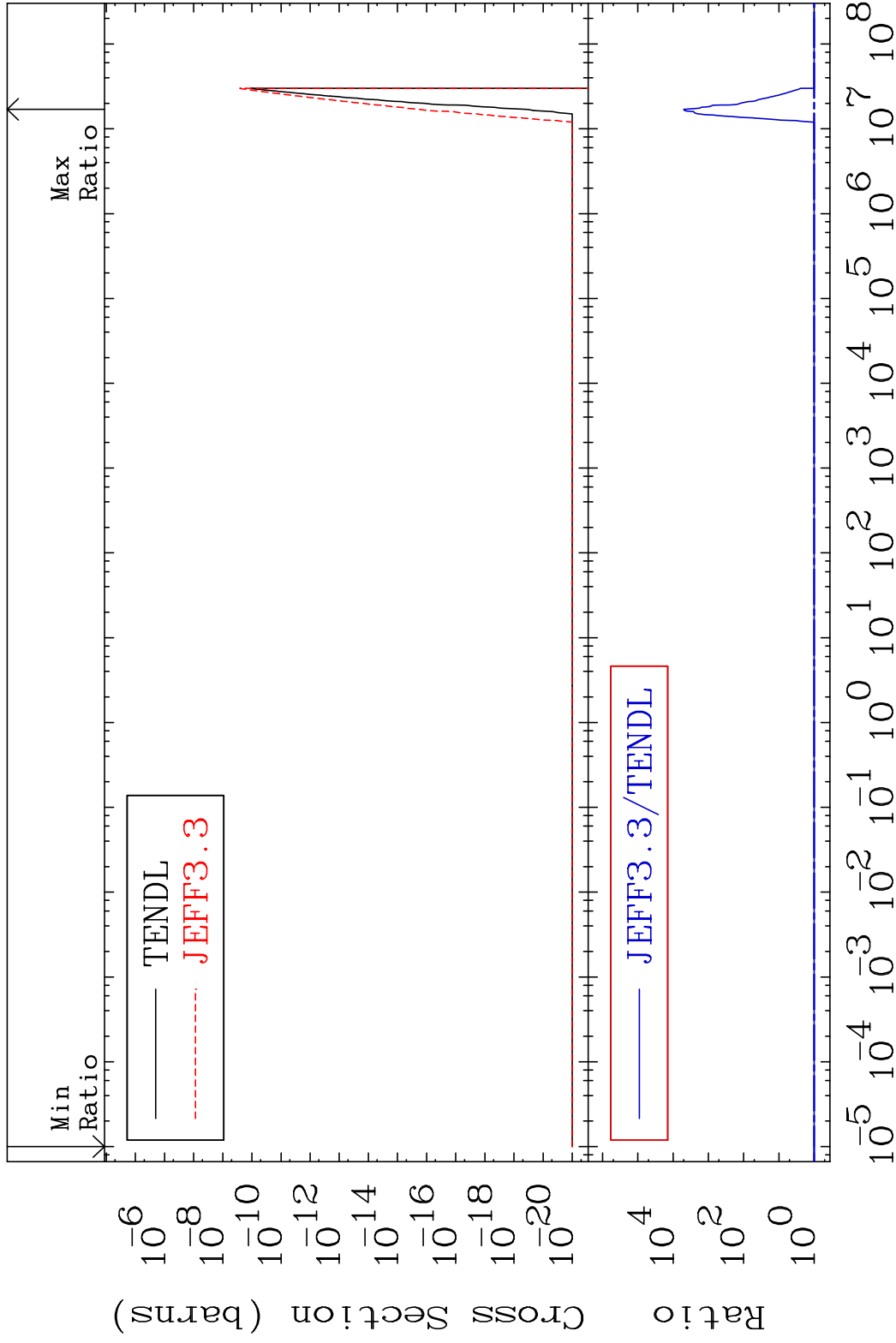
71-Lu-177

MAT 7131

(n, n') 2α

71-Lu-177

Cross Section 0.000 To 9999. %

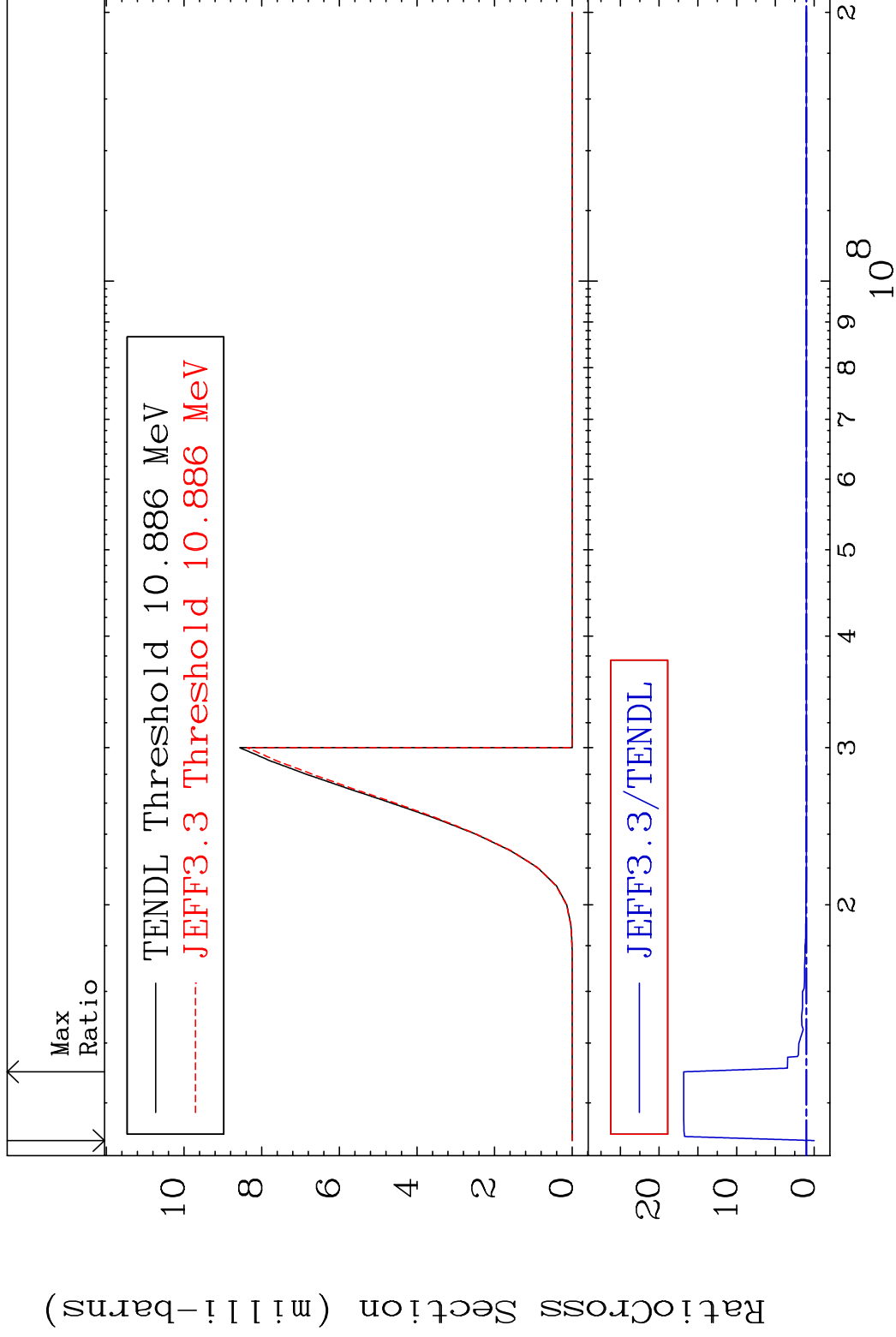


MAT 7131

(n, n') d

71-Lu-177

Cross Section -100.0 To 1583. %

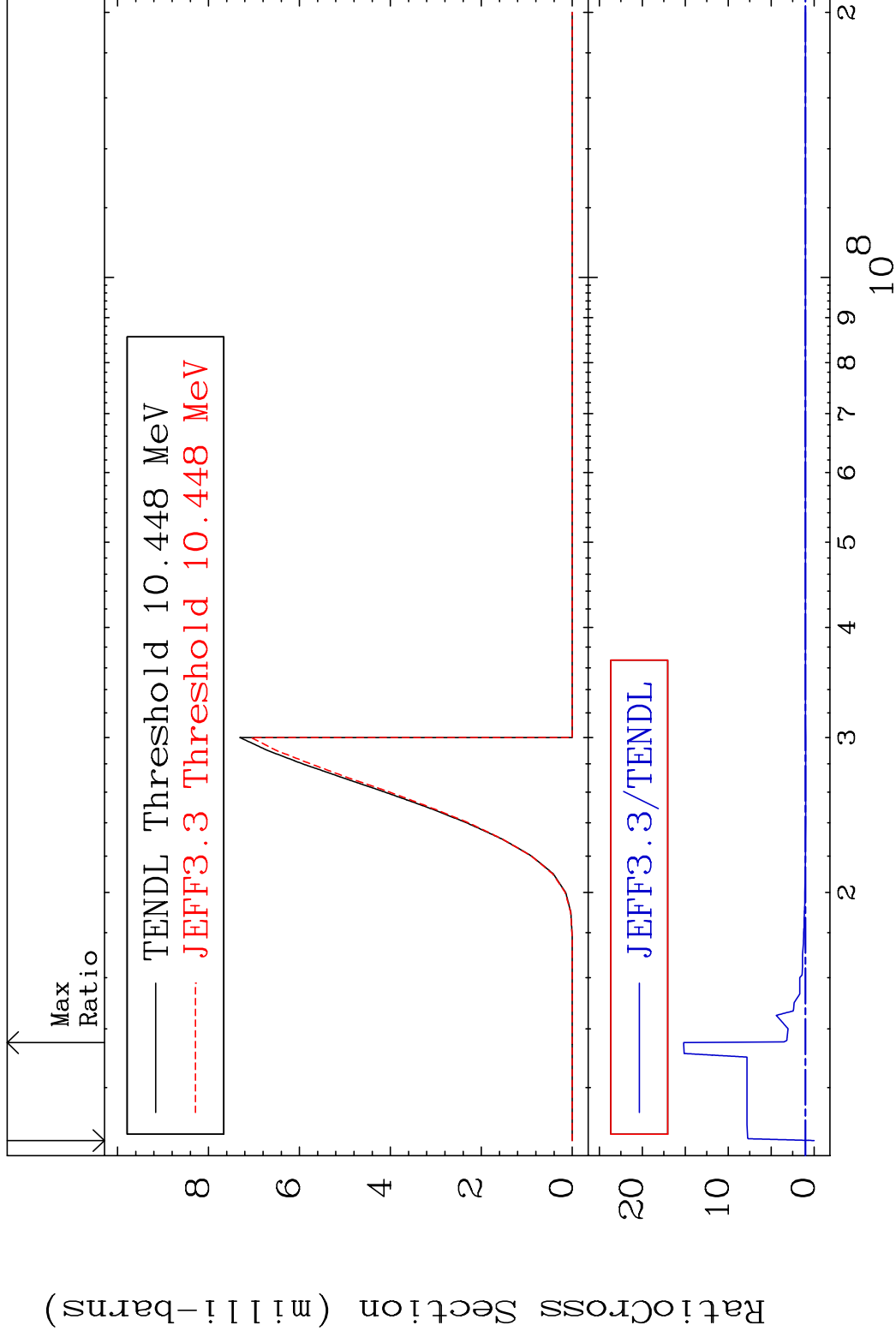


MAT 7131

(n, n') t

71-Lu-177

Cross Section -100.0 To 1418. %



13

Incident Energy (eV)

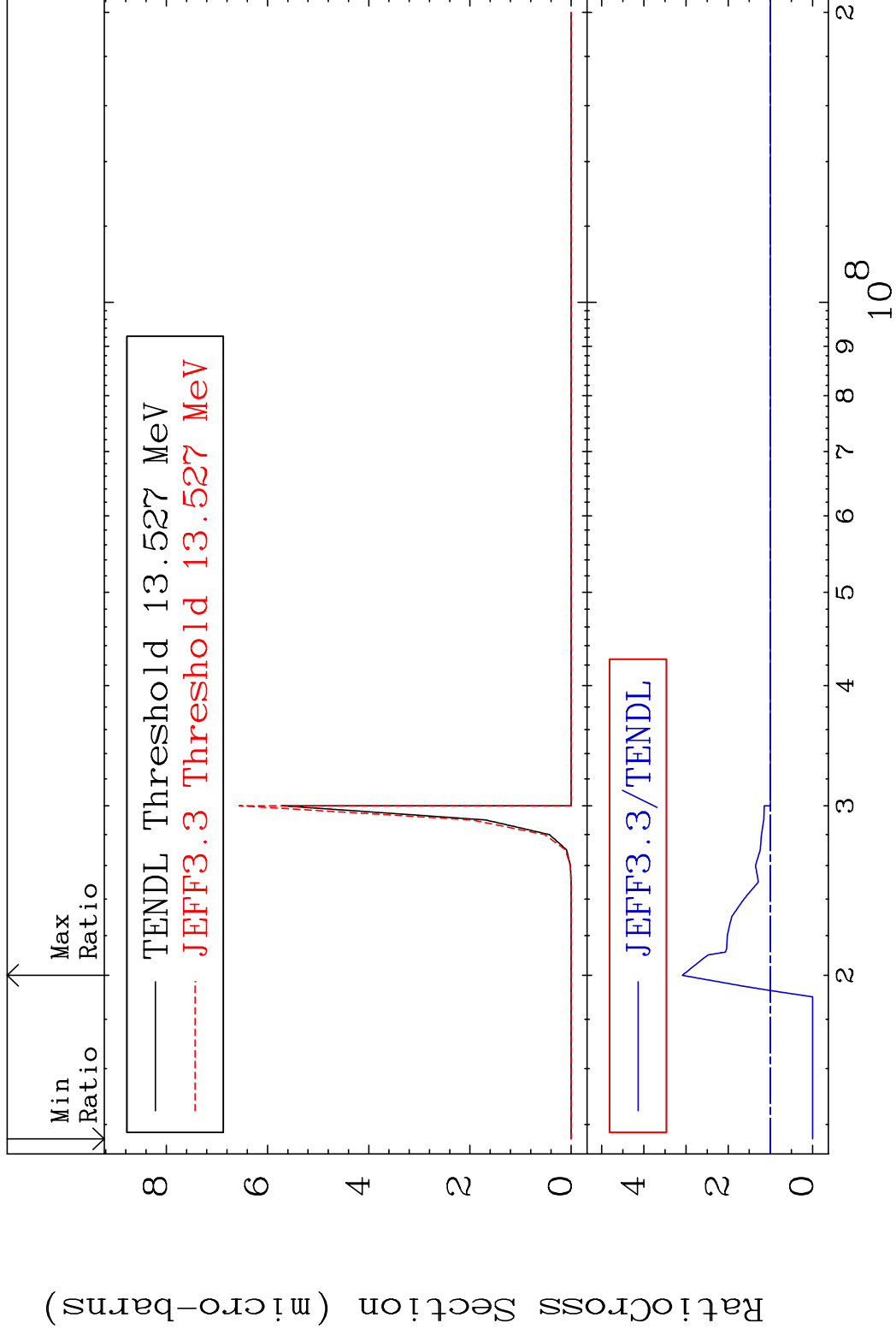
71-Lu-177

MAT 7131

(n,n') He-3

71-Lu-177

Cross Section -100.0 To 208.8 %



14

Incident Energy (eV)

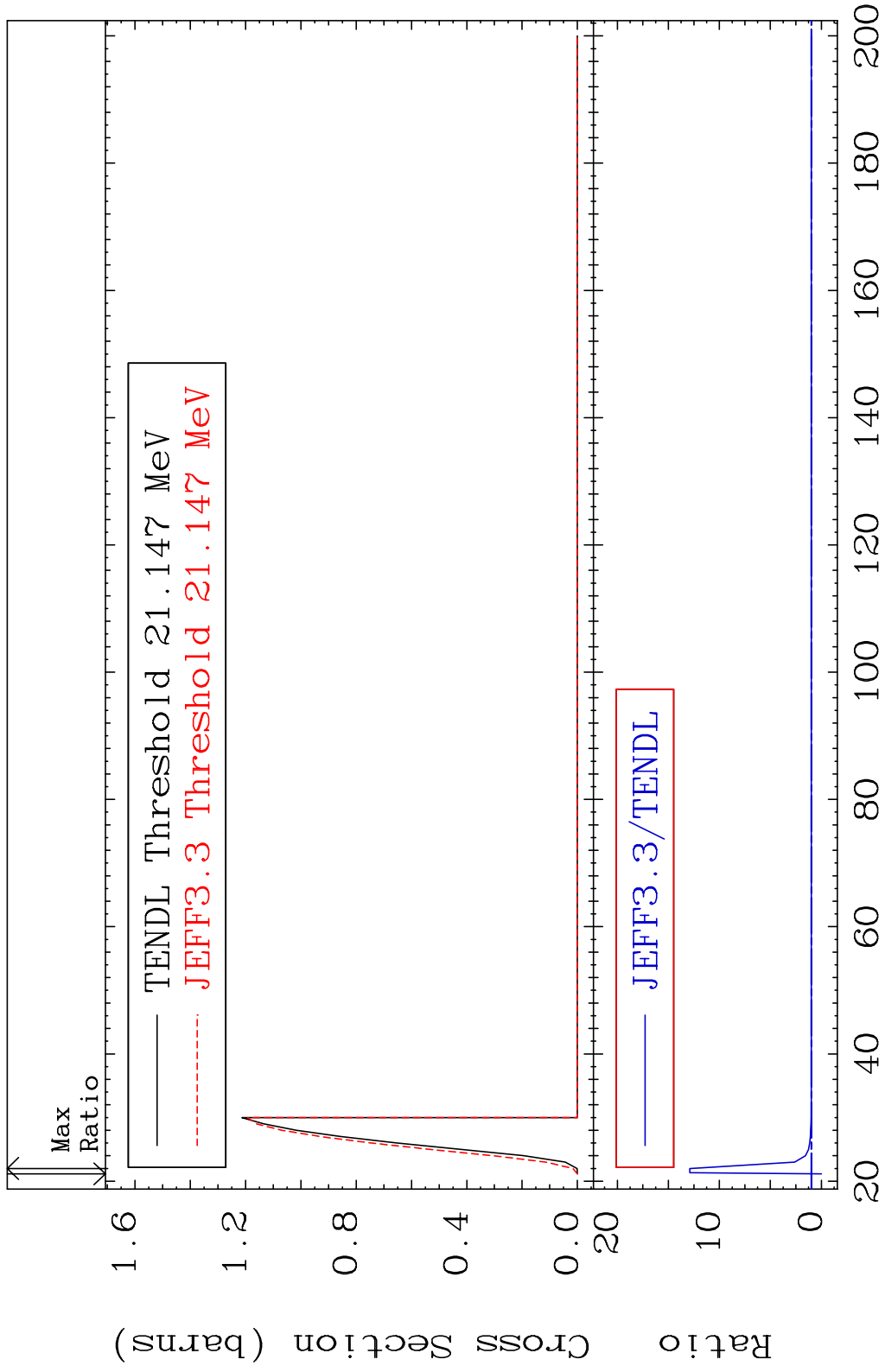
71-Lu-177

MAT 7131

(n,4n)

71-Lu-177

Cross Section -100.0 To 1190. %



15

Incident Energy (MeV)

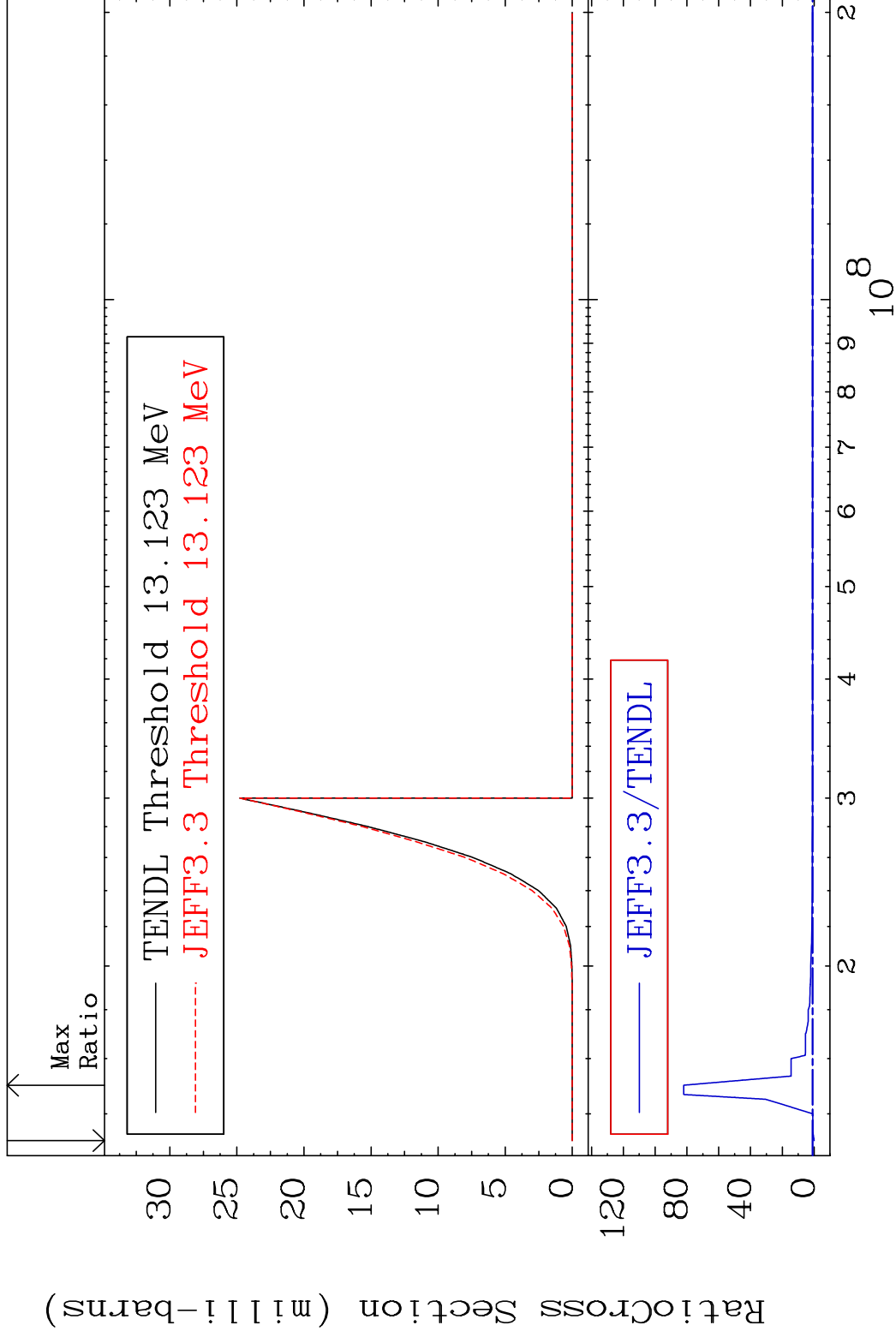
71-Lu-177

MAT 7131

(n,2n) p

71-Lu-177

Cross Section -100.0 To 8105. %

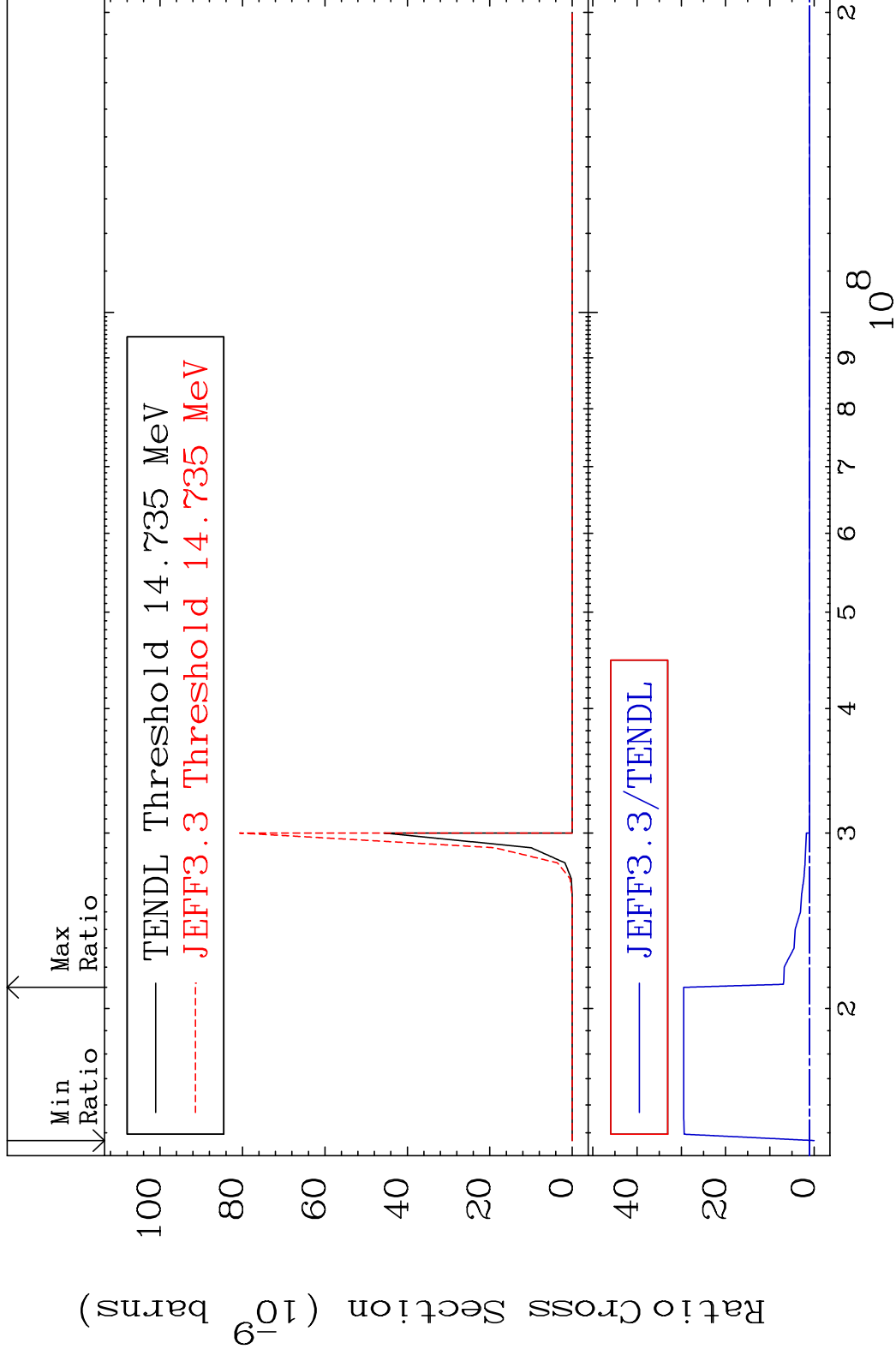


MAT 7131

(n,2n) p

71-Lu-177

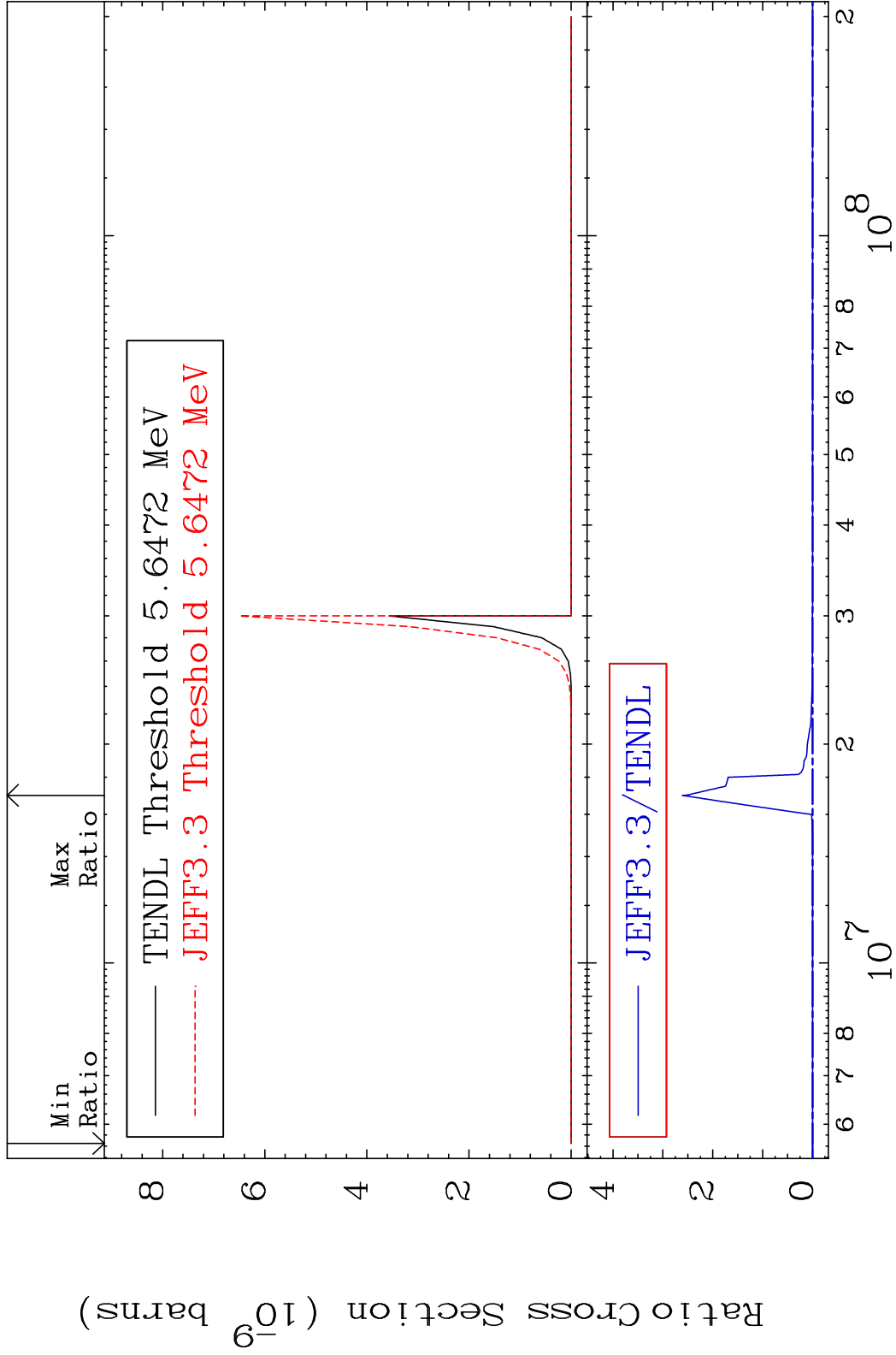
Cross Section -100.0 To 2847. %



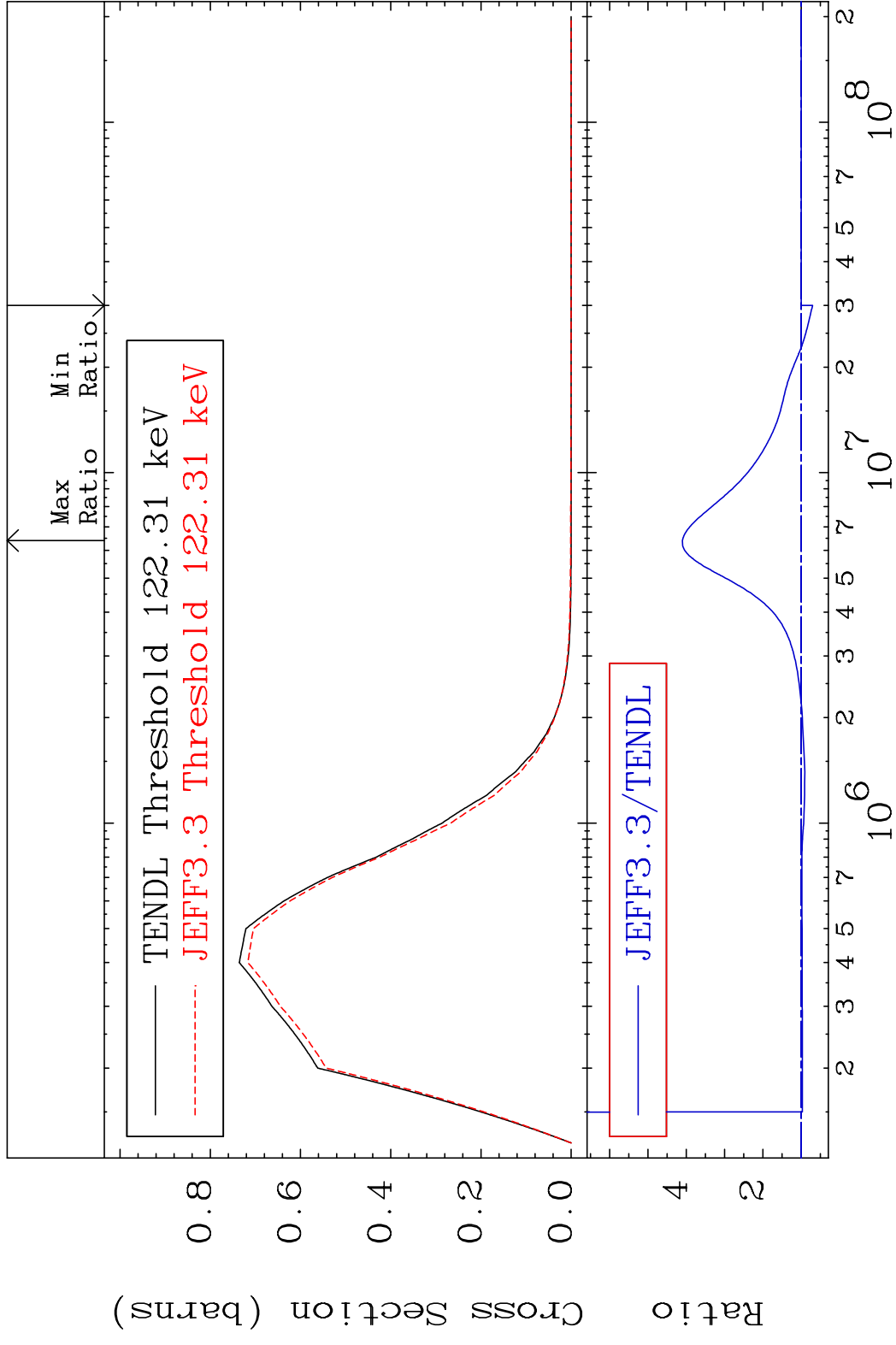
MAT 7131

(n,n') p α 71-Lu-177

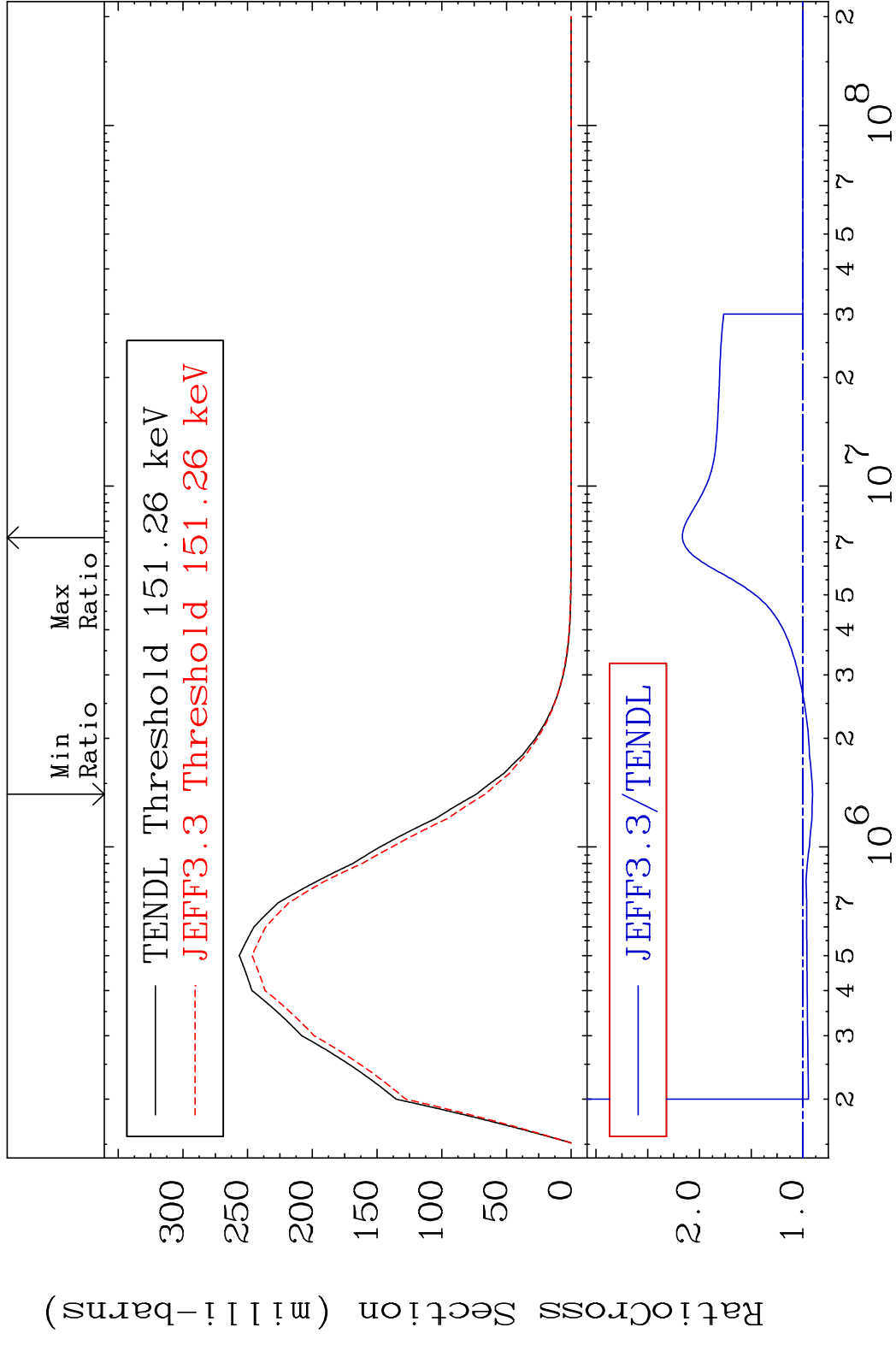
Cross Section -100.0 To 9999. %



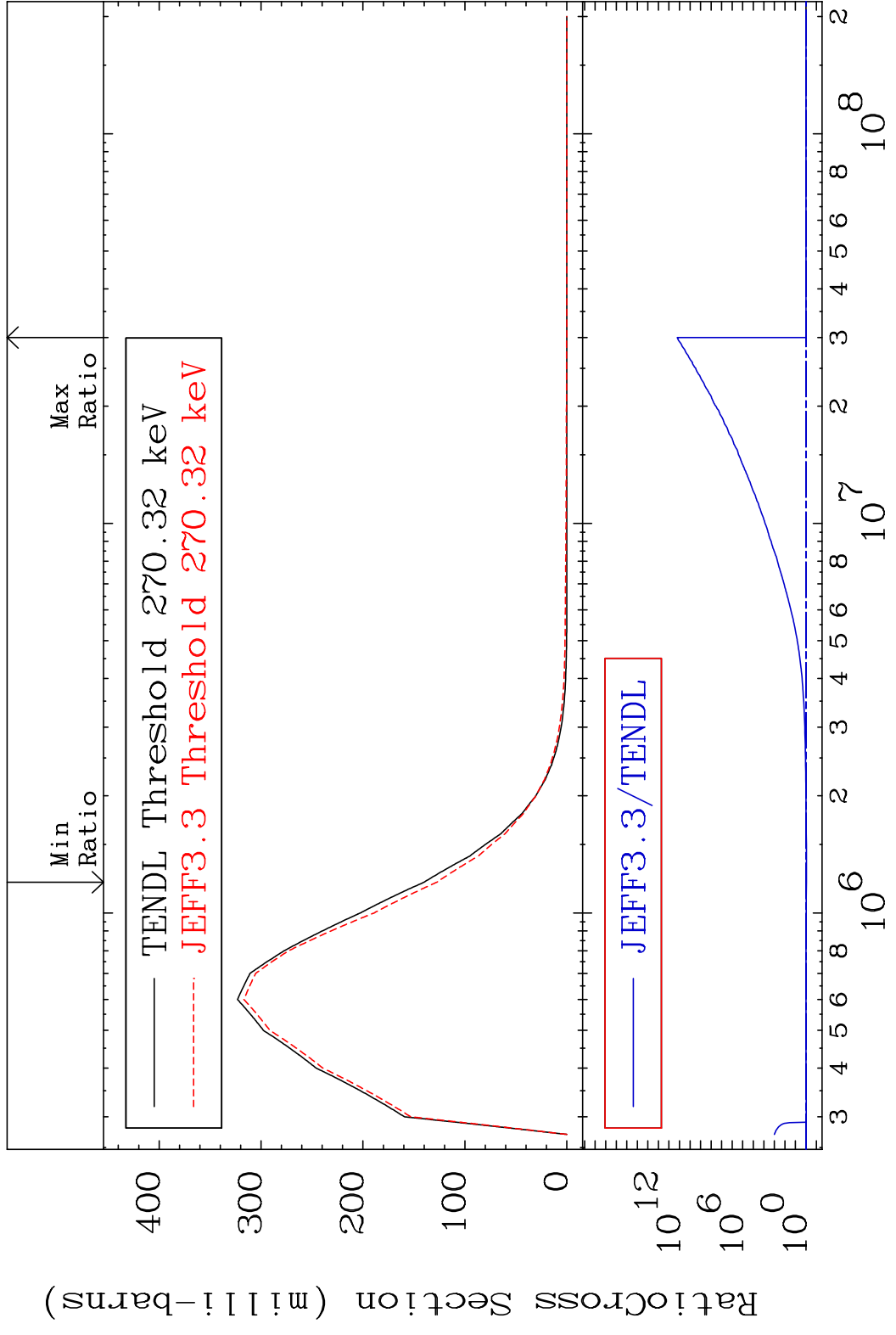
MAT 7131 MT= 51 (n, n') Level 71-Lu-177
 Cross Section -29.79 To 310.1 %



MAT 7131 MT= 52 (n, n') Level 71-Lu-177
 Cross Section -9.337 To 116.6 %



MAT 7131 MT= 53 (n, n') Level 71-Lu-177
 Cross Section -8.965 To 9999. %

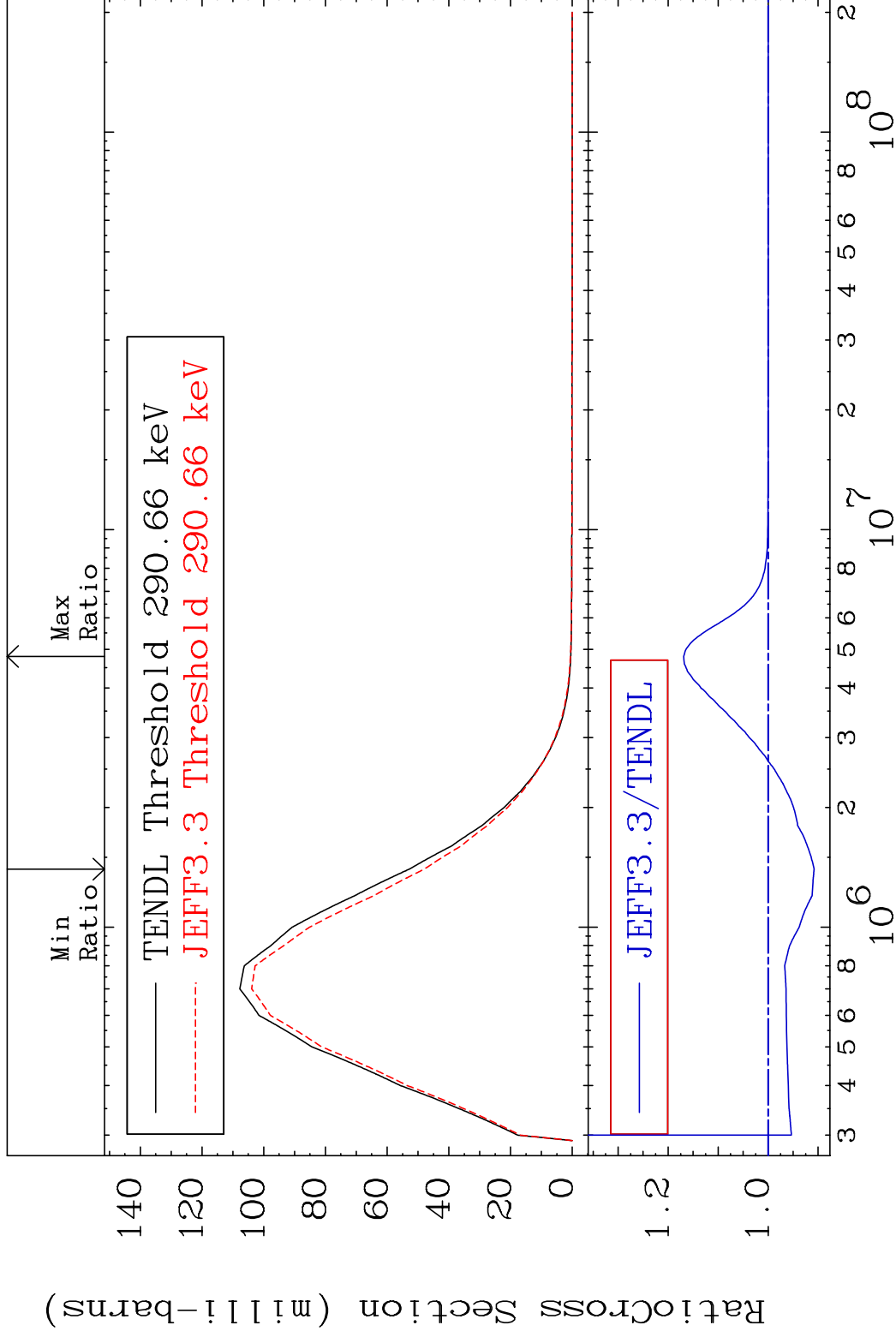


MAT 7131

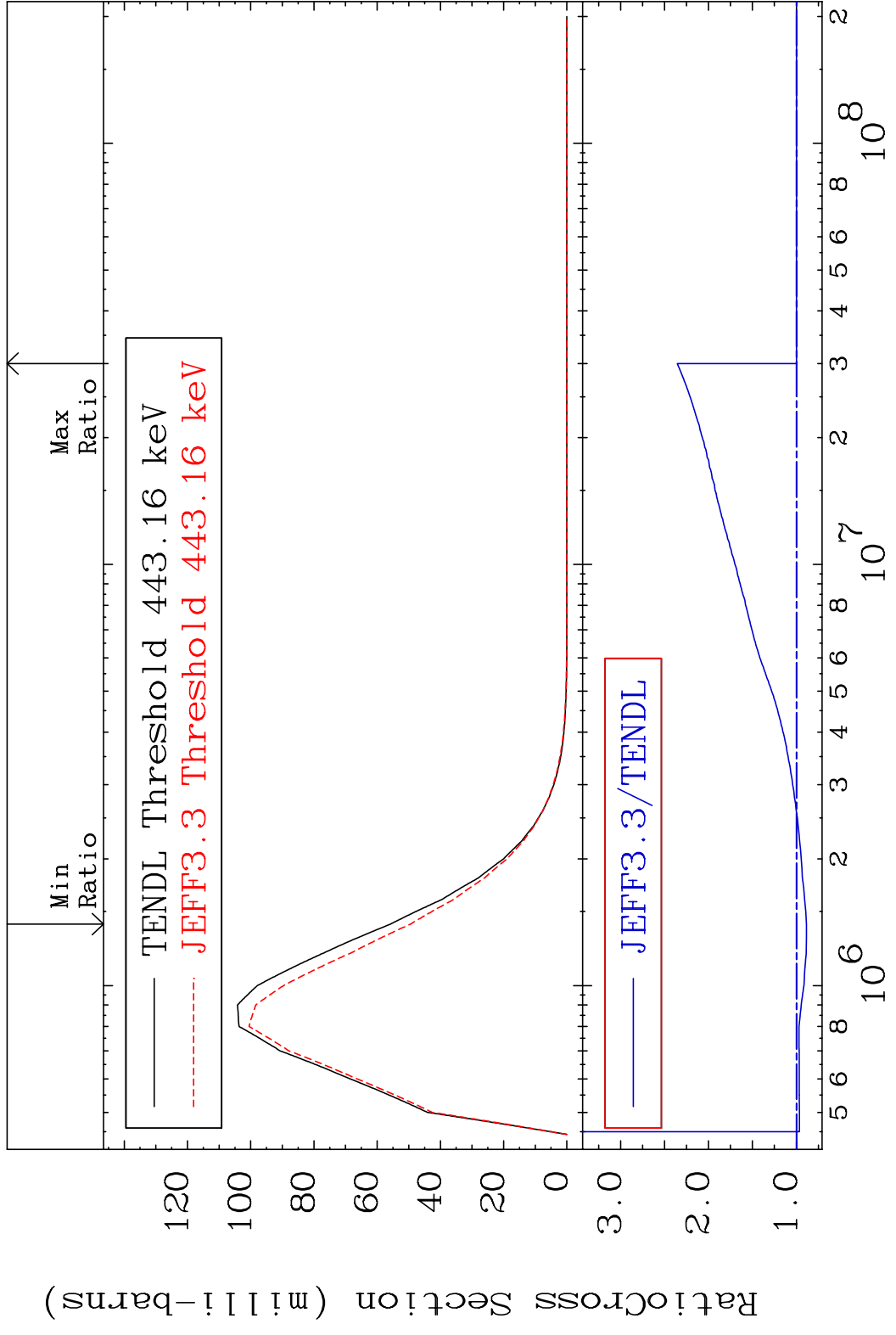
MT= 54 (n, n') Level

71-Lu-177

Cross Section -9.192 To 16.90 %



MAT 7131 MT= 55 (n, n') Level 71-Lu-177
 Cross Section -11.38 To 135.6 %

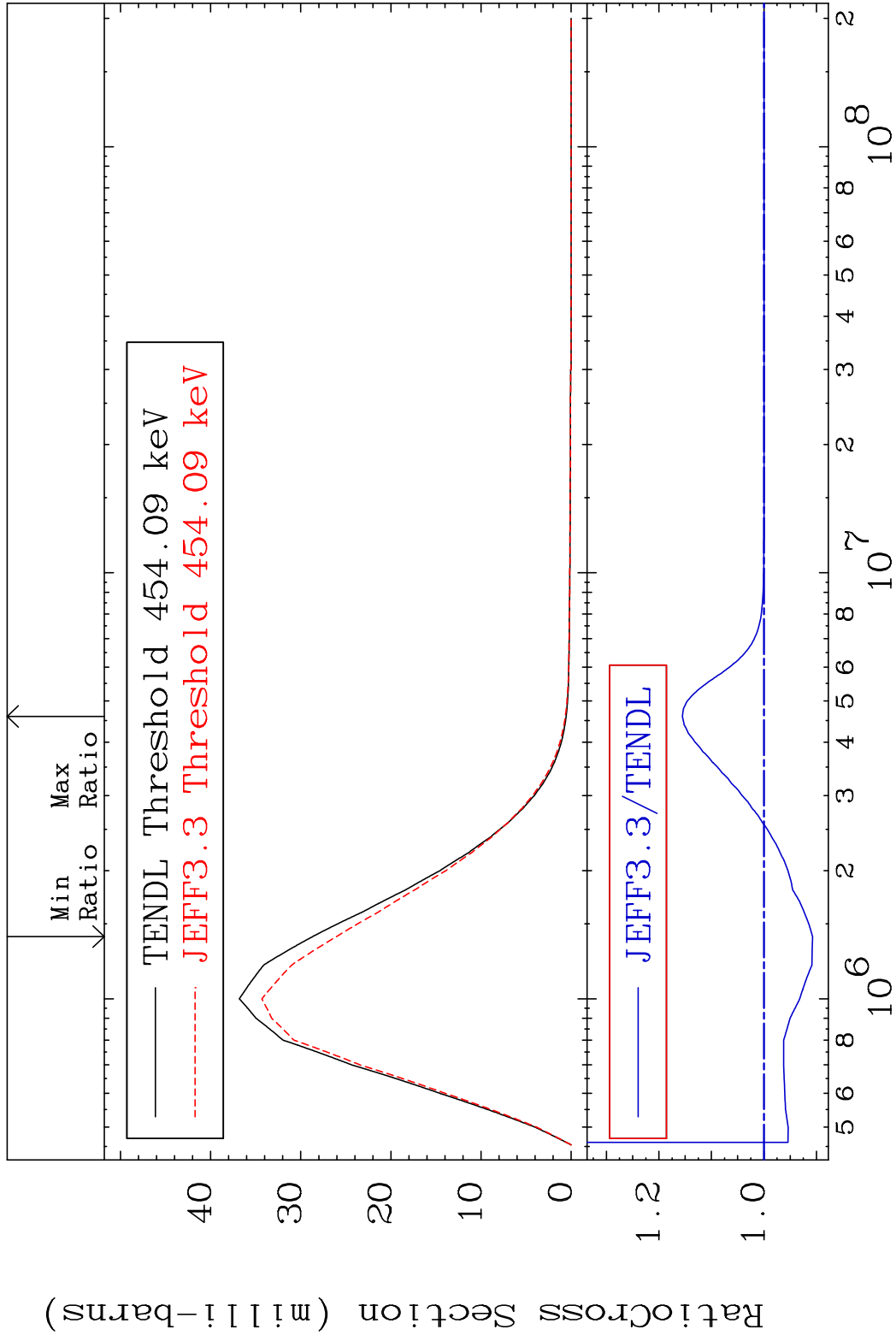


MAT 7131

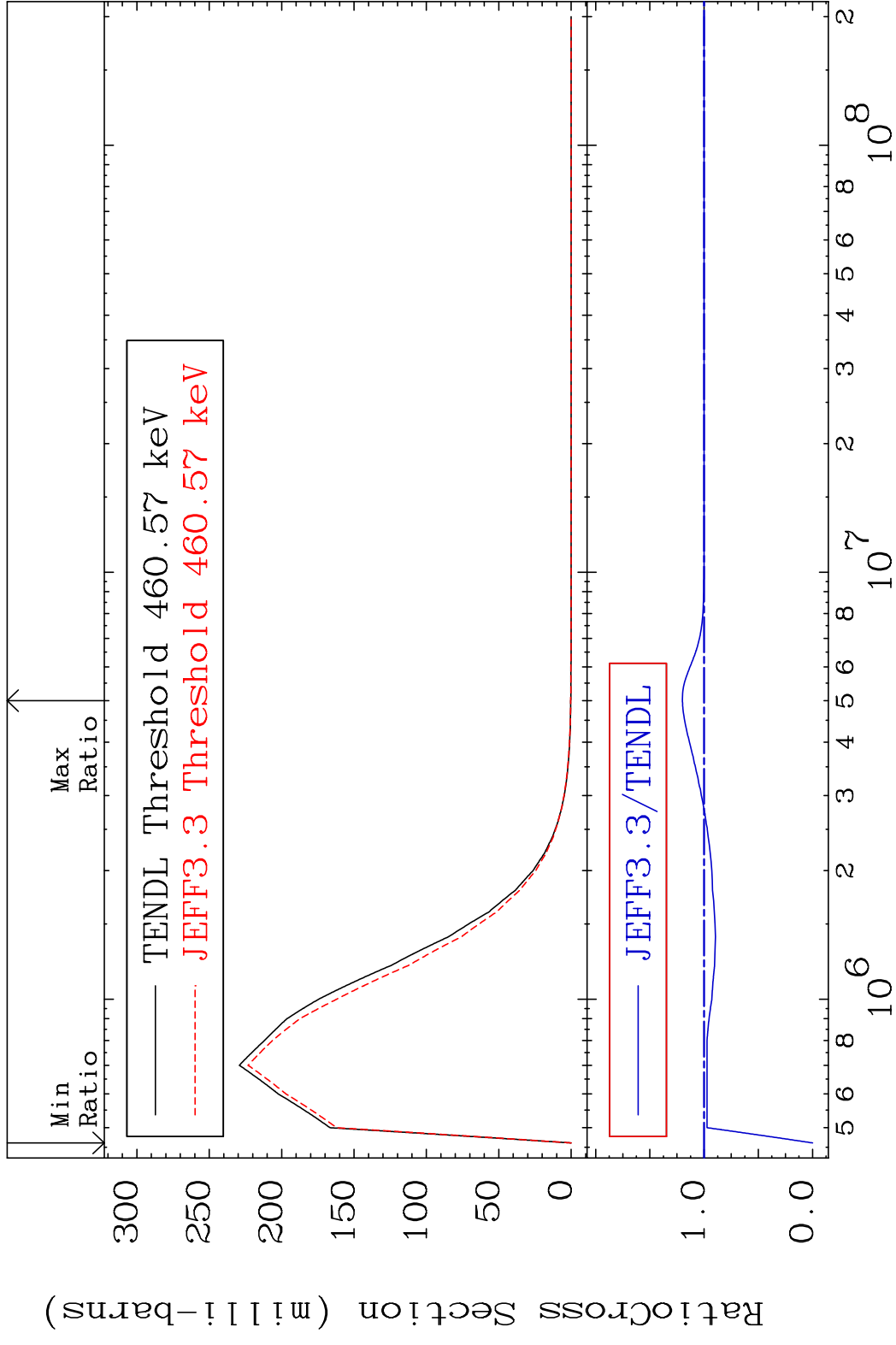
MT= 56 (n, n') Level

71-Lu-177

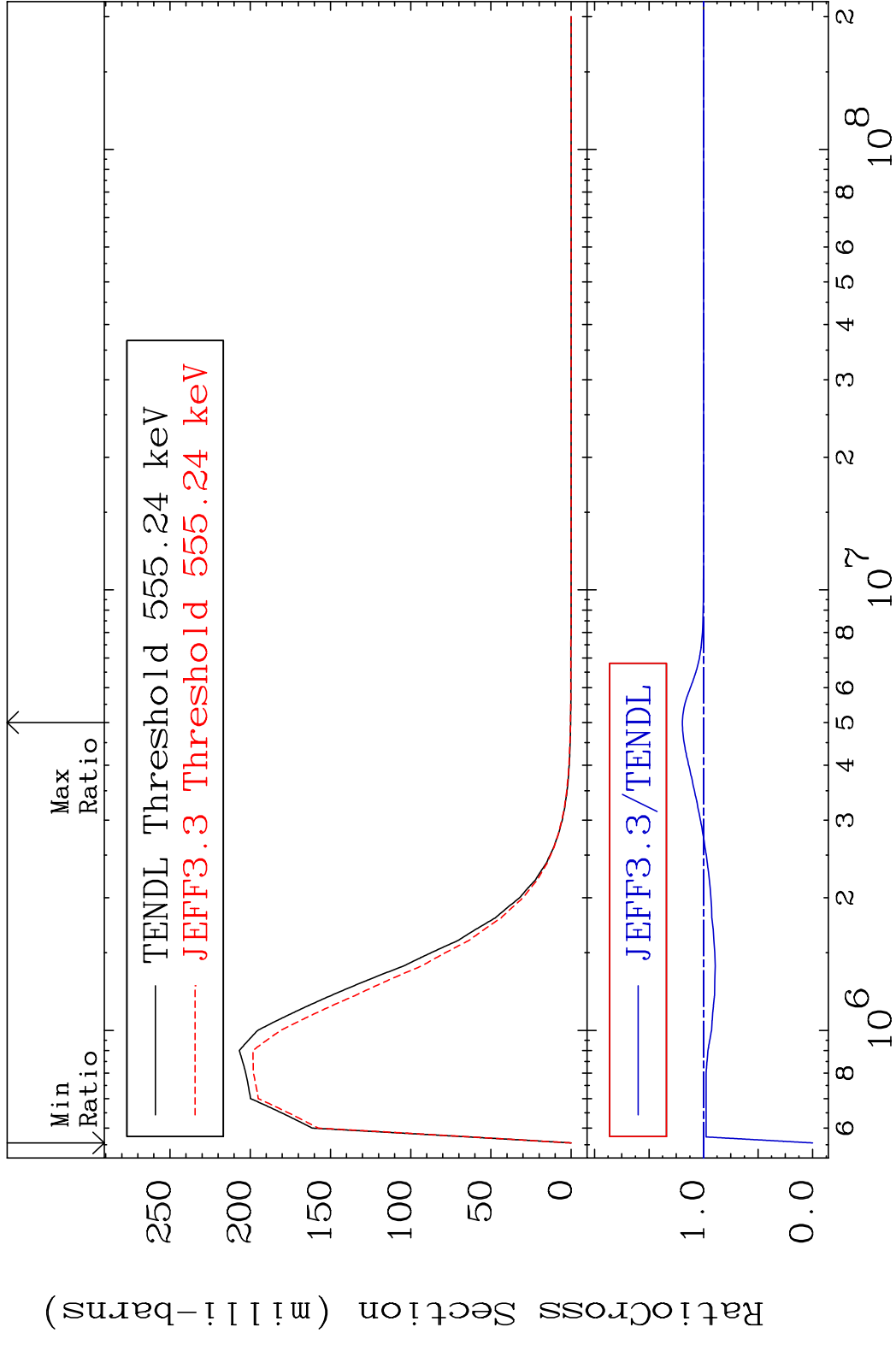
Cross Section -9.258 To 15.54 %



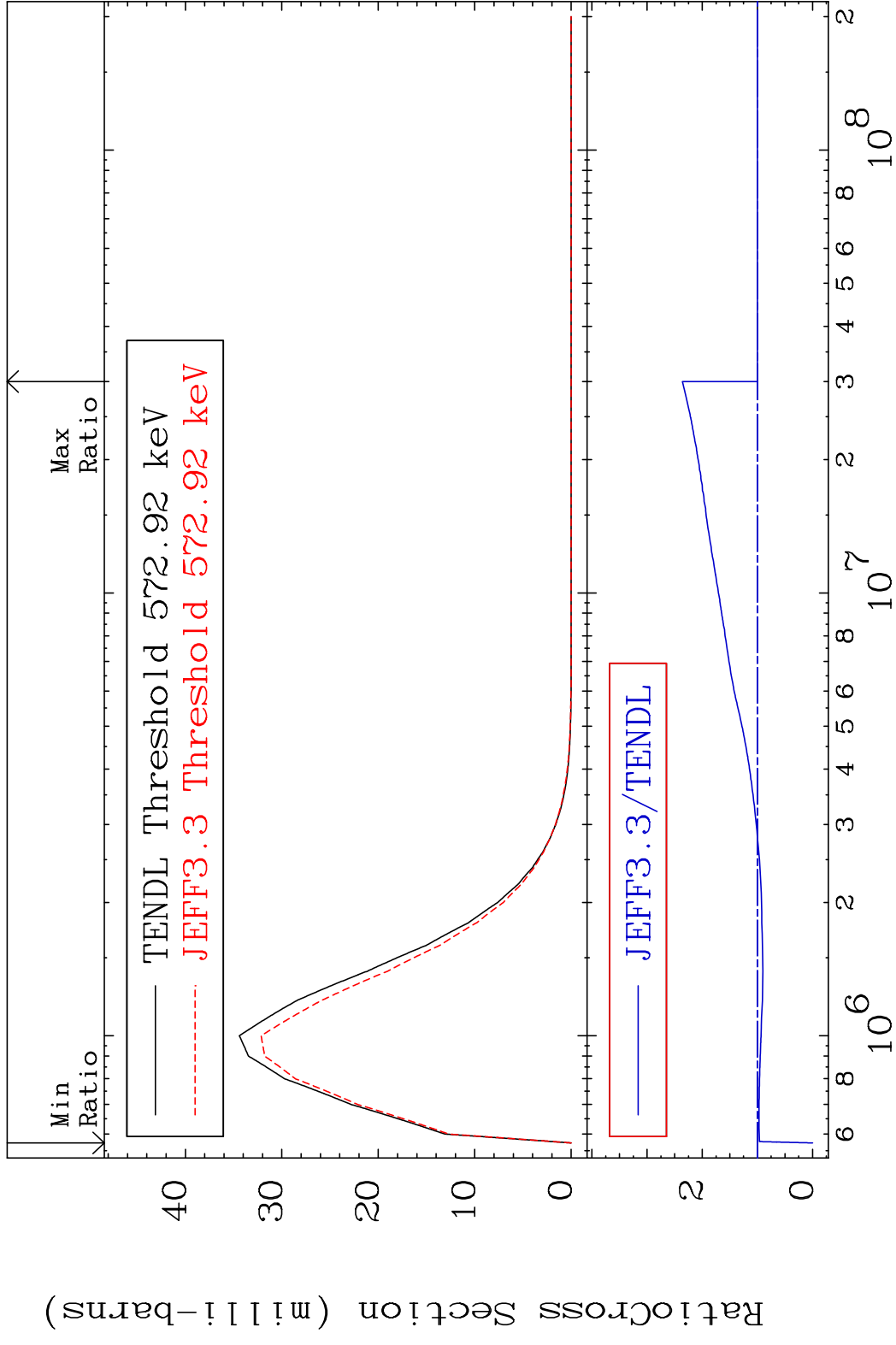
MAT 7131 MT= 57 (n, n') Level 71-Lu-177
 Cross Section -100.0 To 20.06 %



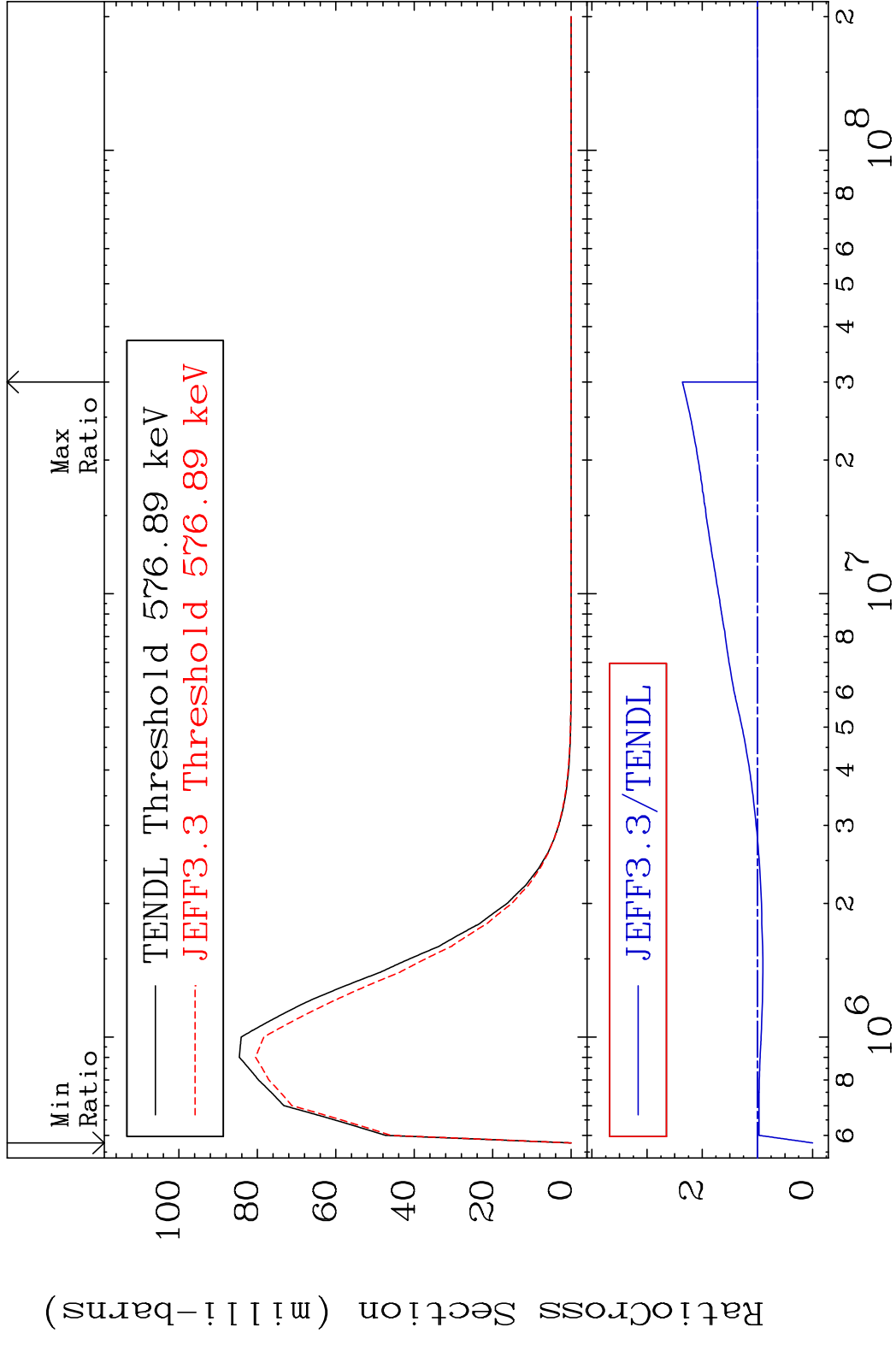
MAT 7131 MT= 58 (n, n') Level 71-Lu-177
 Cross Section -100.0 To 19.41 %



MAT 7131 MT= 59 (n, n') Level 71-Lu-177
 Cross Section -100.0 To 136.1 %



MAT 7131 MT= 60 (n, n') Level 71-Lu-177
 Cross Section -100.0 To 136.0 %

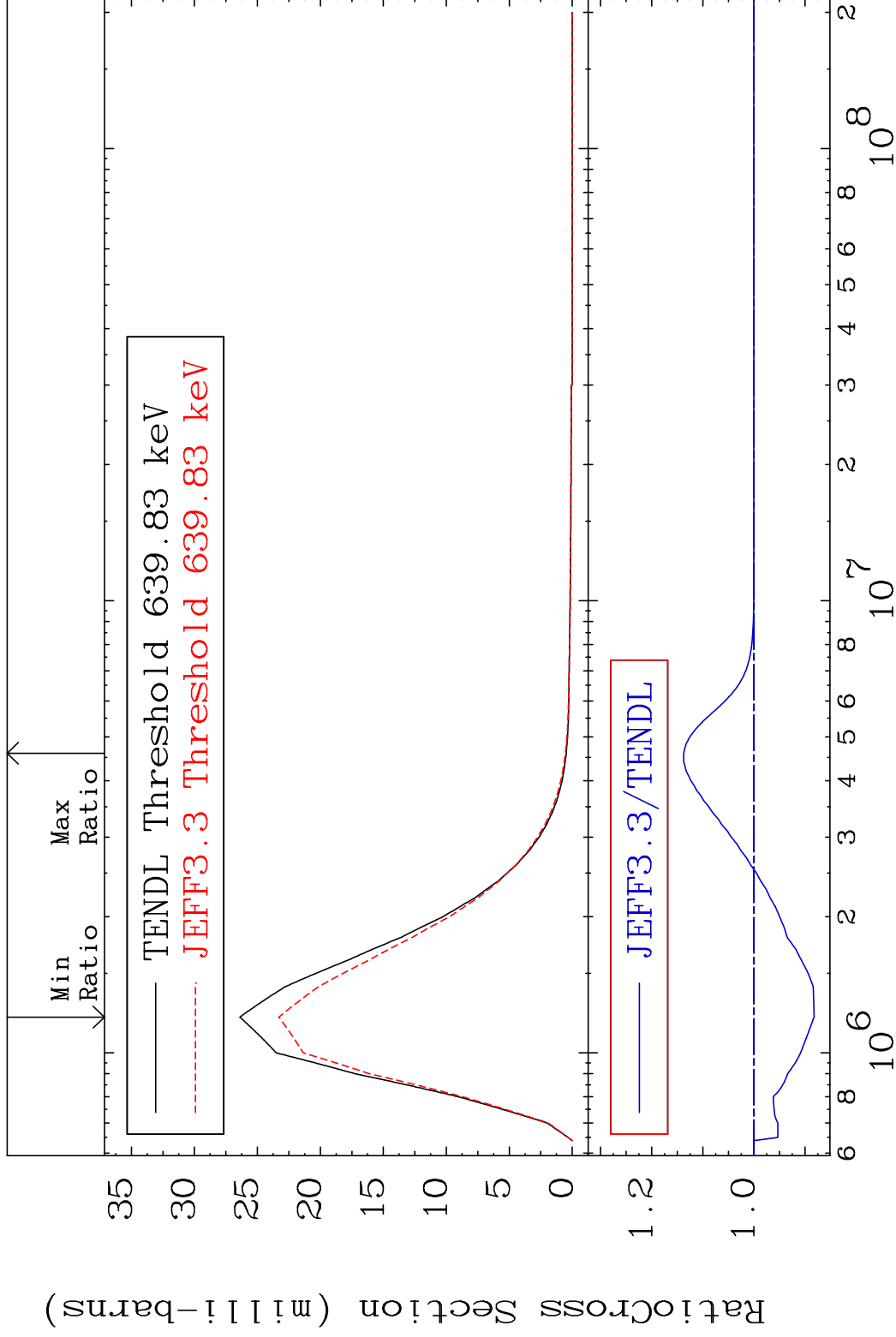


MAT 7131

MT= 61 (n, n') Level

71-Lu-177

Cross Section -11.76 To 13.74 %

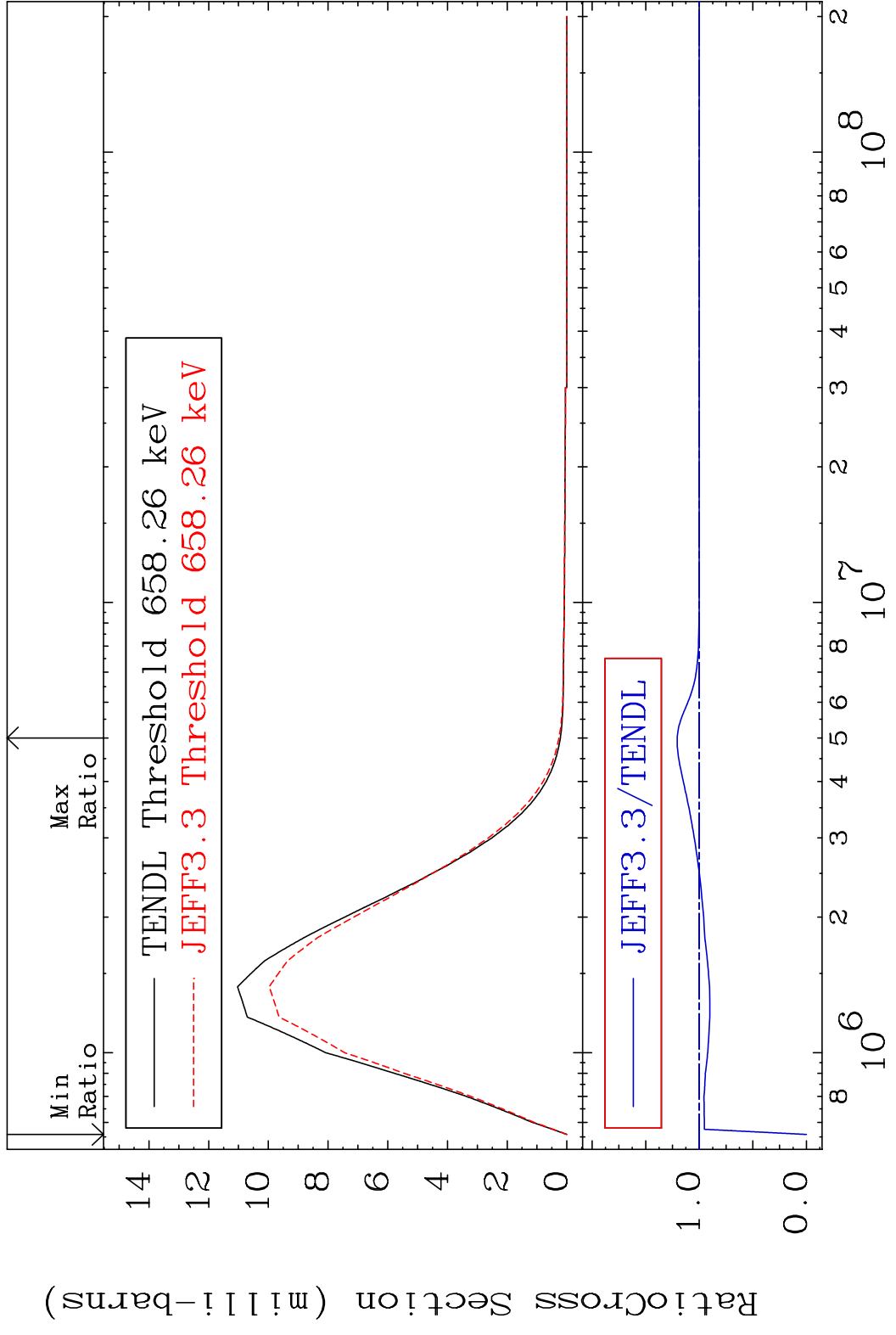


30

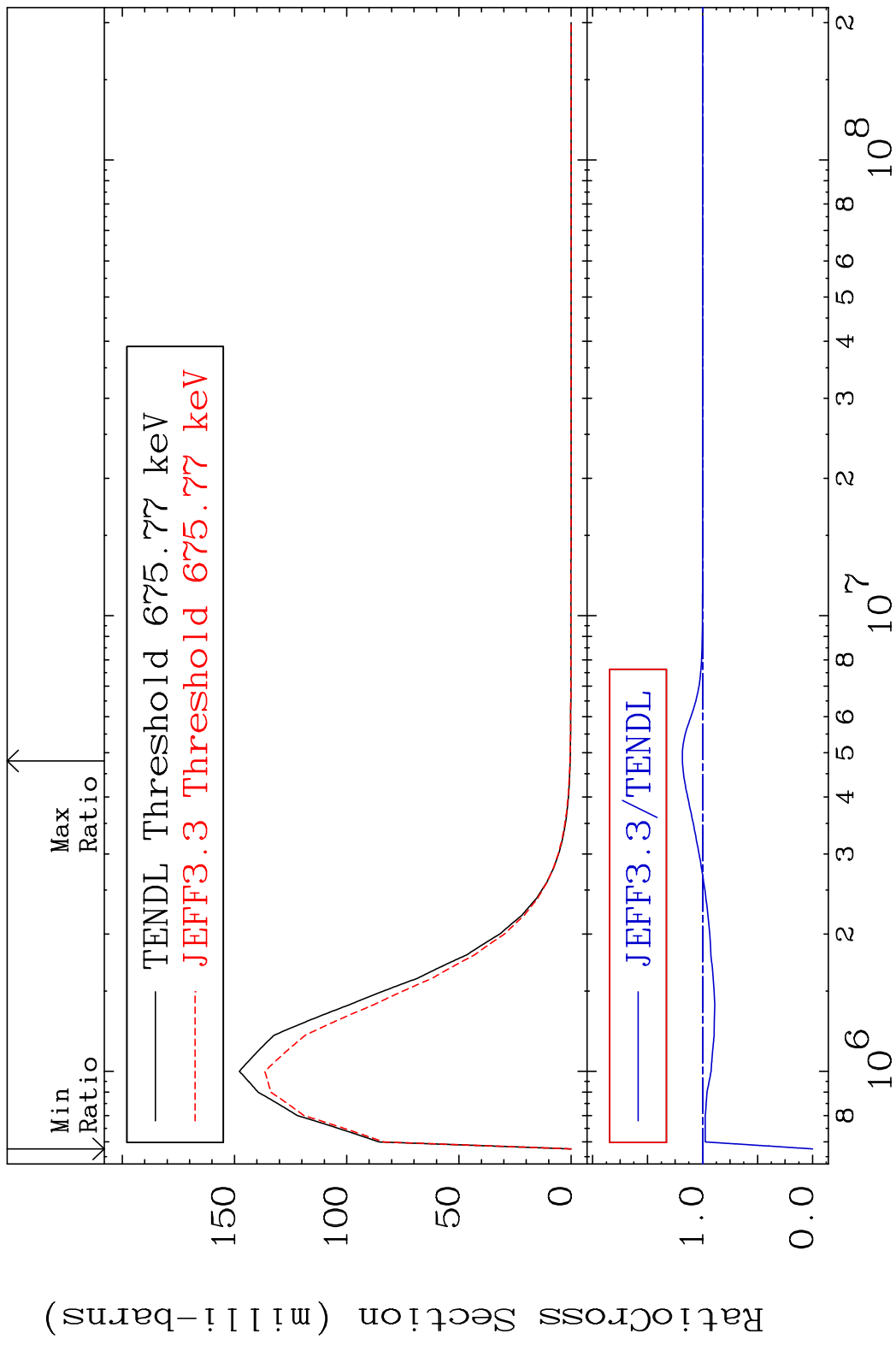
Incident Energy (eV)

71-Lu-177

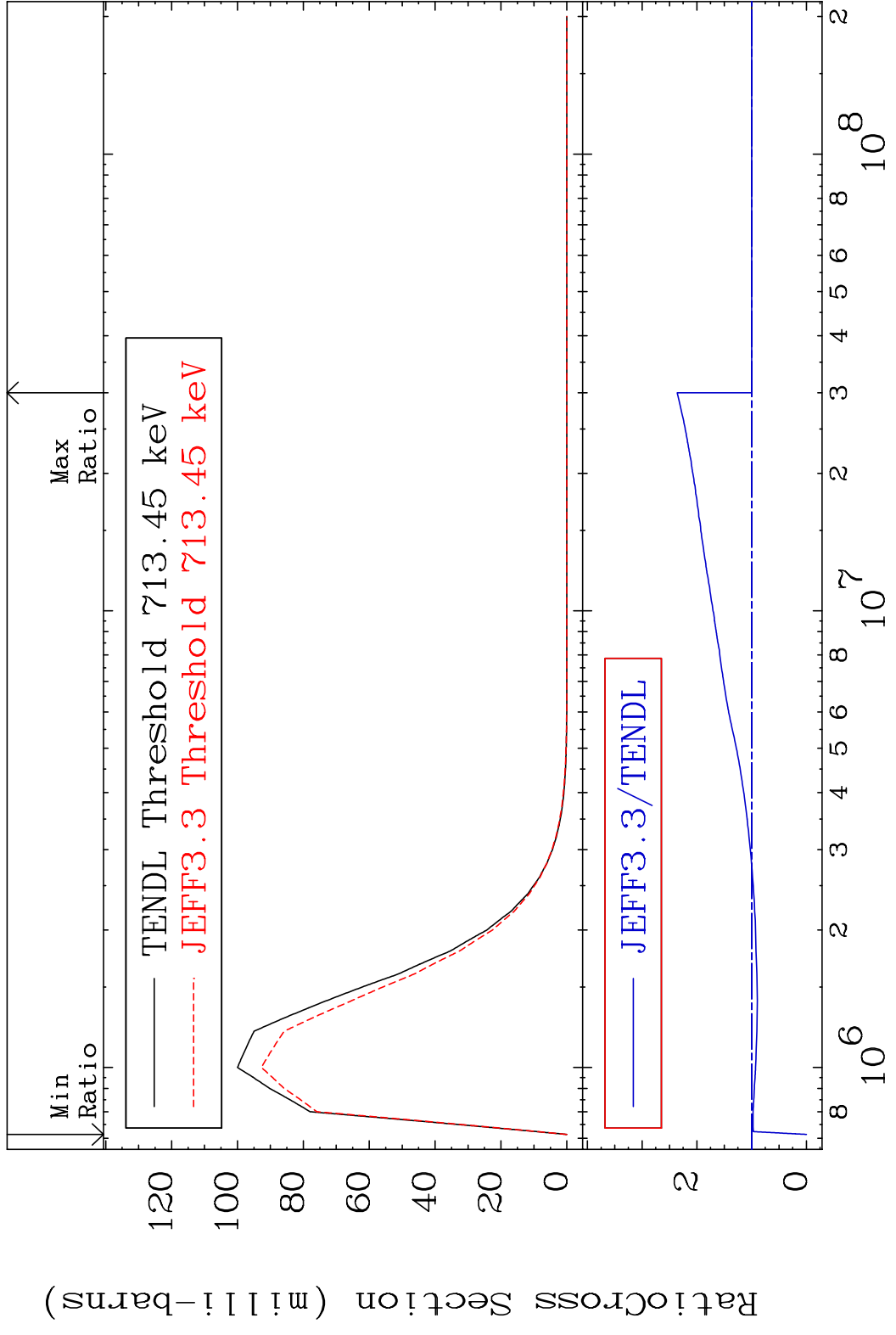
MAT 7131 MT= 62 (n, n') Level 71-Lu-177
 Cross Section -100.0 To 20.60 %



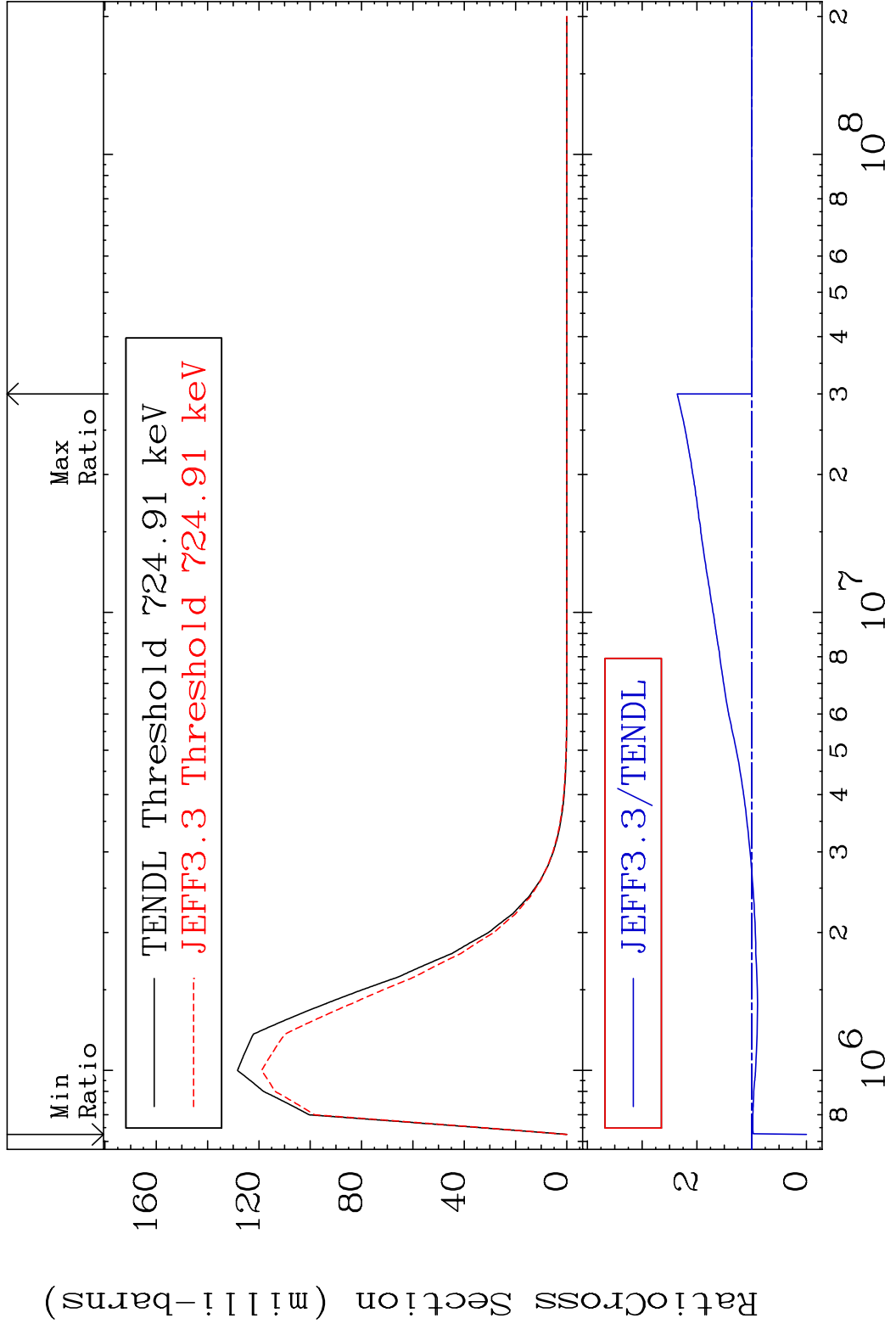
MAT 7131 MT= 63 (n, n') Level 71-Lu-177
 Cross Section -100.0 To 18.40 %



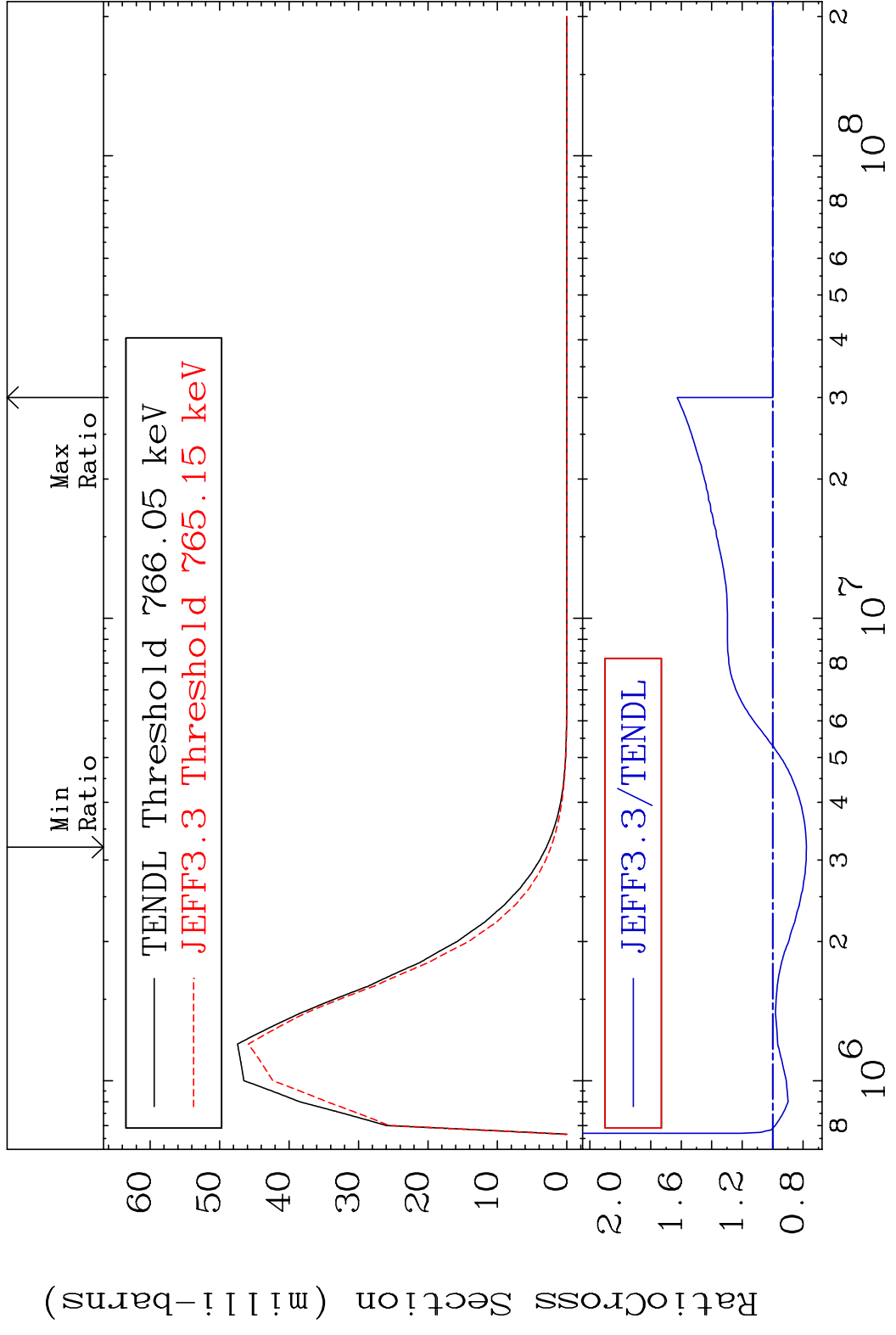
MAT 7131 MT= 64 (n, n') Level 71-Lu-177
 Cross Section -100.0 To 136.0 %



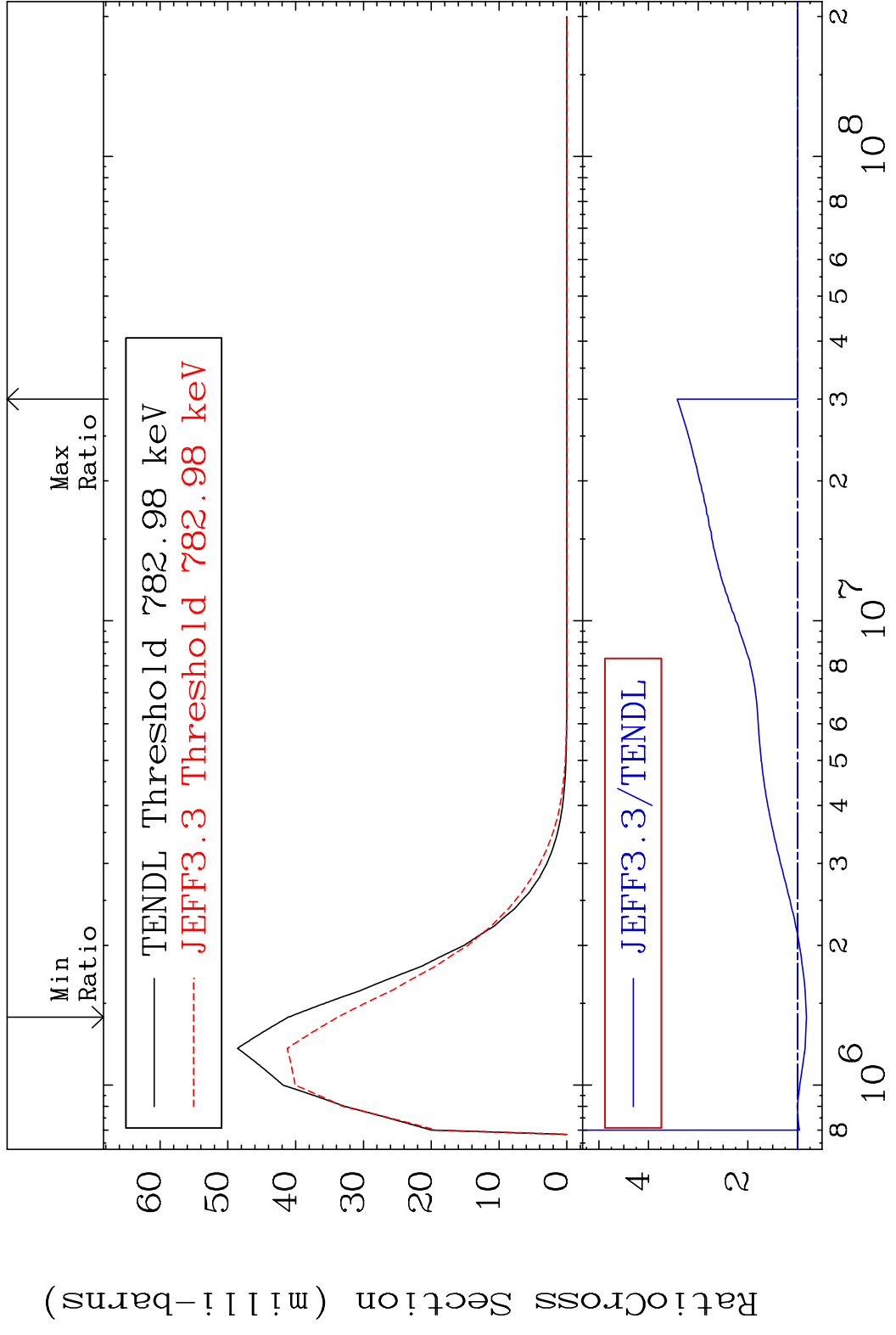
MAT 7131 MT= 65 (n, n') Level 71-Lu-177
 Cross Section -100.0 To 135.9 %



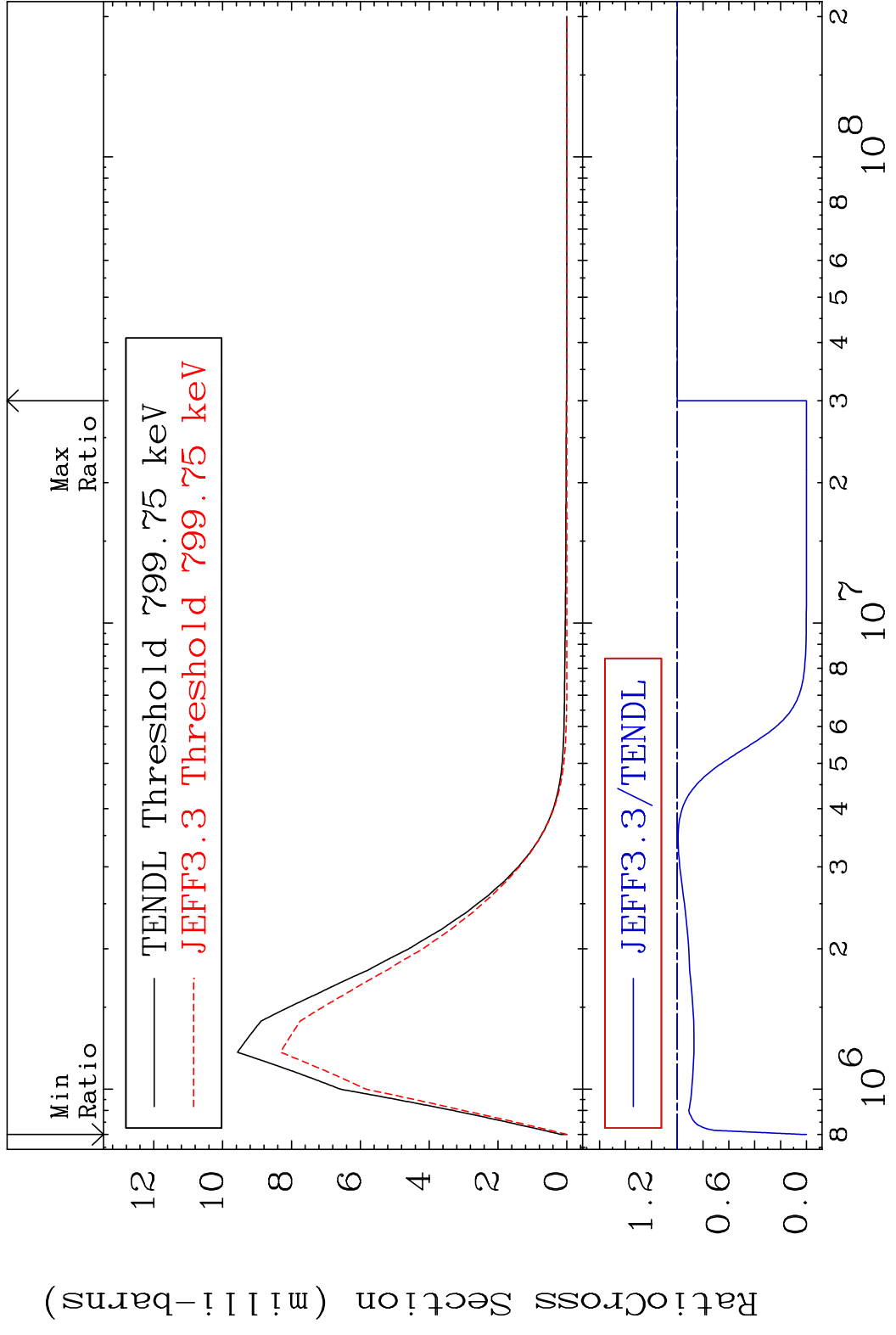
MAT 7131 MT= 66 (n, n') Level 71-Lu-177
 Cross Section -22.14 To 62.68 %



MAT 7131 MT= 67 (n, n') Level 71-Lu-177
 Cross Section -17.73 To 242.4 %



MAT 7131 MT= 68 (n, n') Level 71-Lu-177
 Cross Section -100.0 To 0.000 %

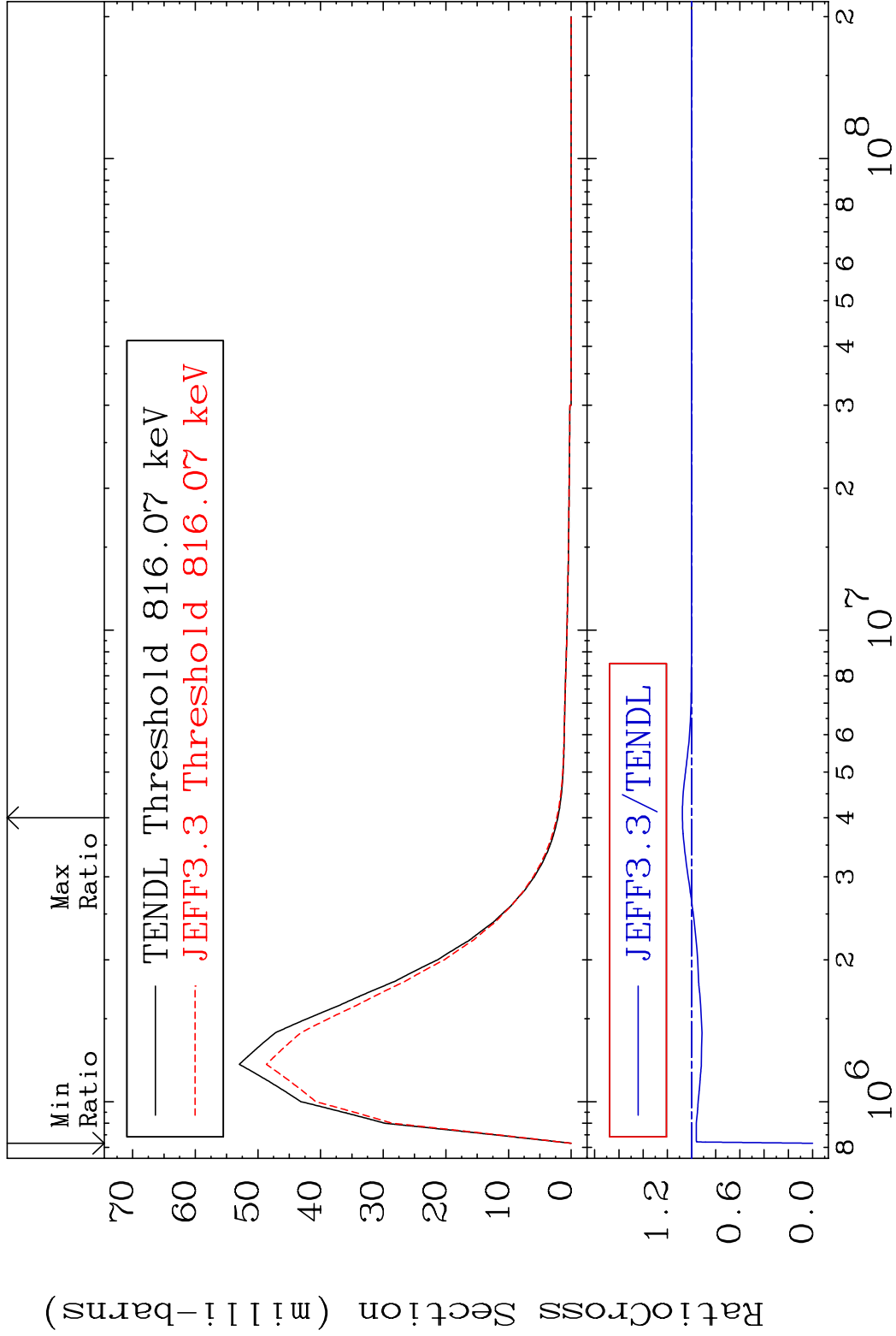


MAT 7131

MT= 69 (n,n') Level

71-Lu-177

Cross Section -100.0 To 7.564 %

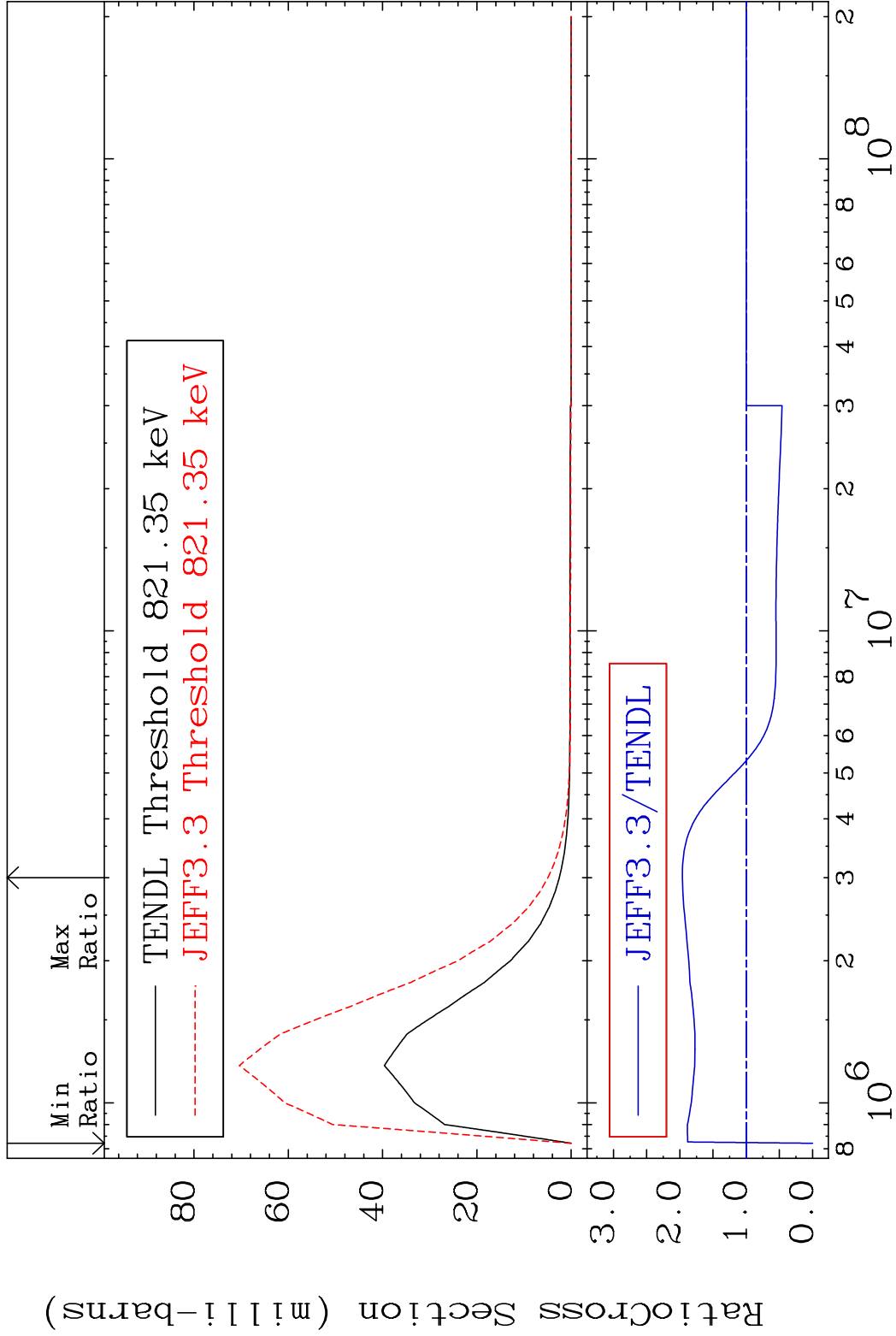


MAT 7131

MT= 70 (n, n') Level

71-Lu-177

Cross Section -100.0 To 96.20 %

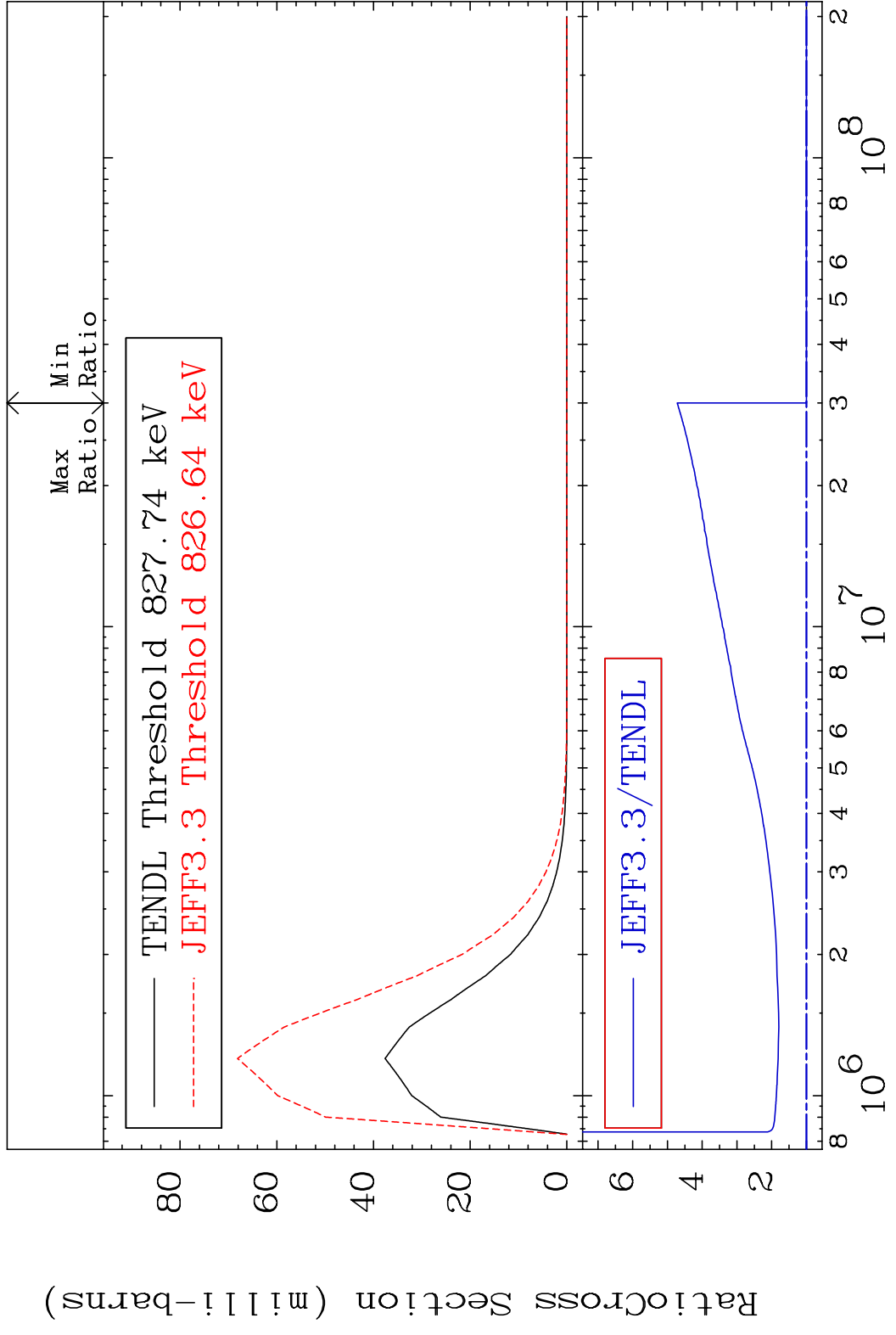


39

Incident Energy (eV)

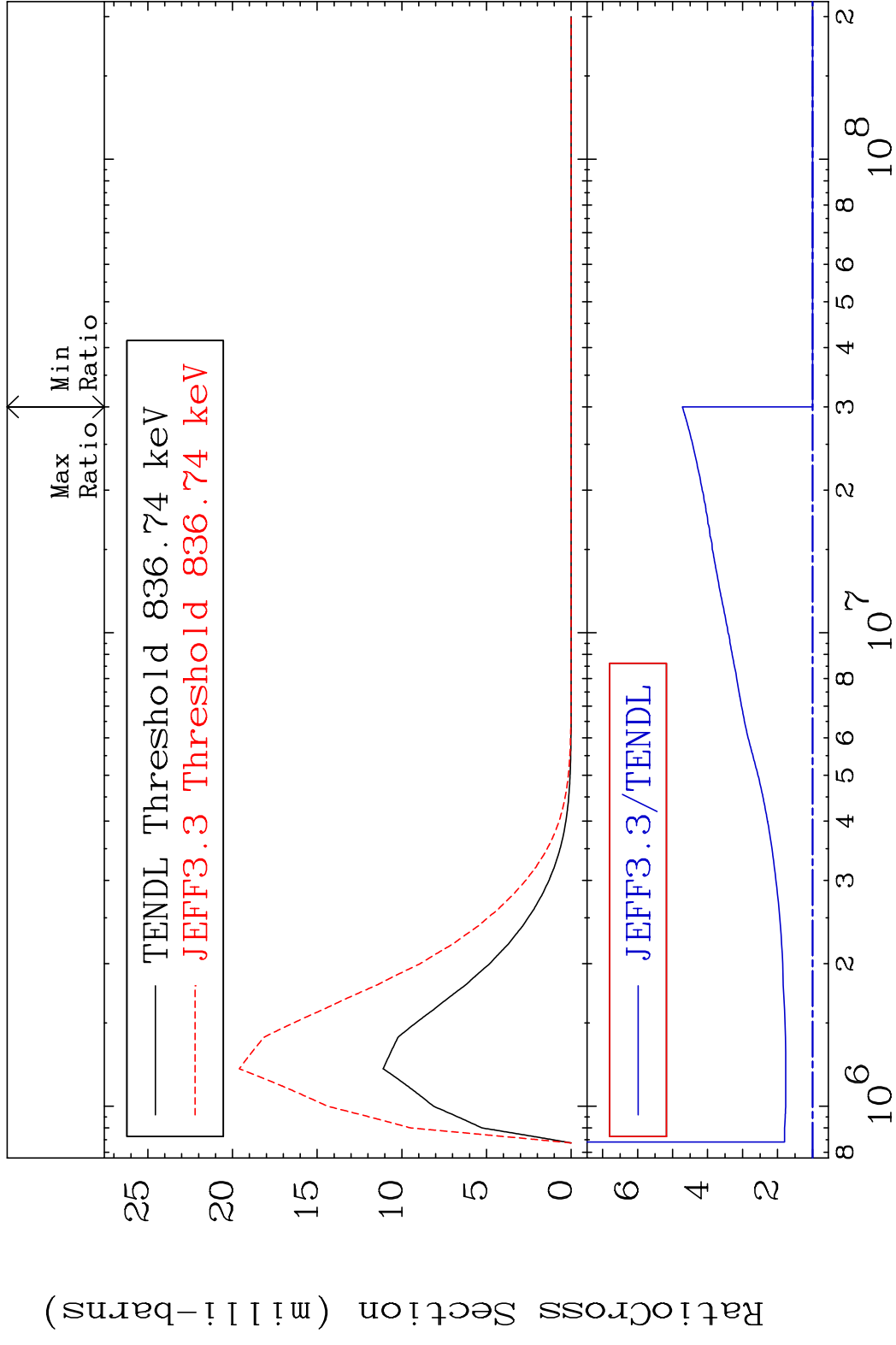
71-Lu-177

MAT 7131 MT= 71 (n, n') Level 71-Lu-177
 Cross Section 0.000 To 372.0 %



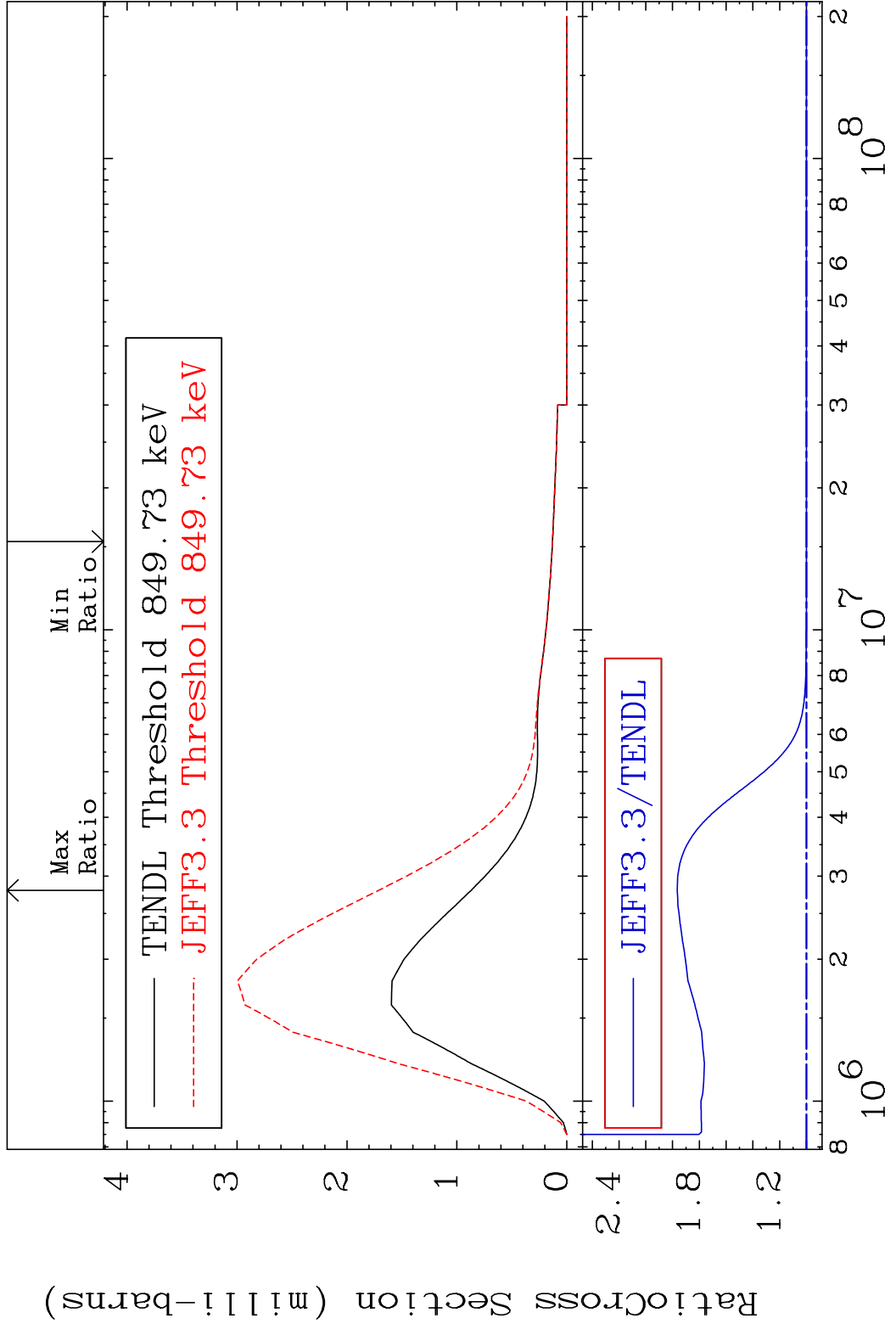
40 8 10⁶ 2 3 4 5 6 8 10⁷ 2 3 4 5 6 8 10⁸ 2 71-Lu-177

MAT 7131 MT= 72 (n, n') Level 71-Lu-177
 Cross Section 0.000 To 372.1 %

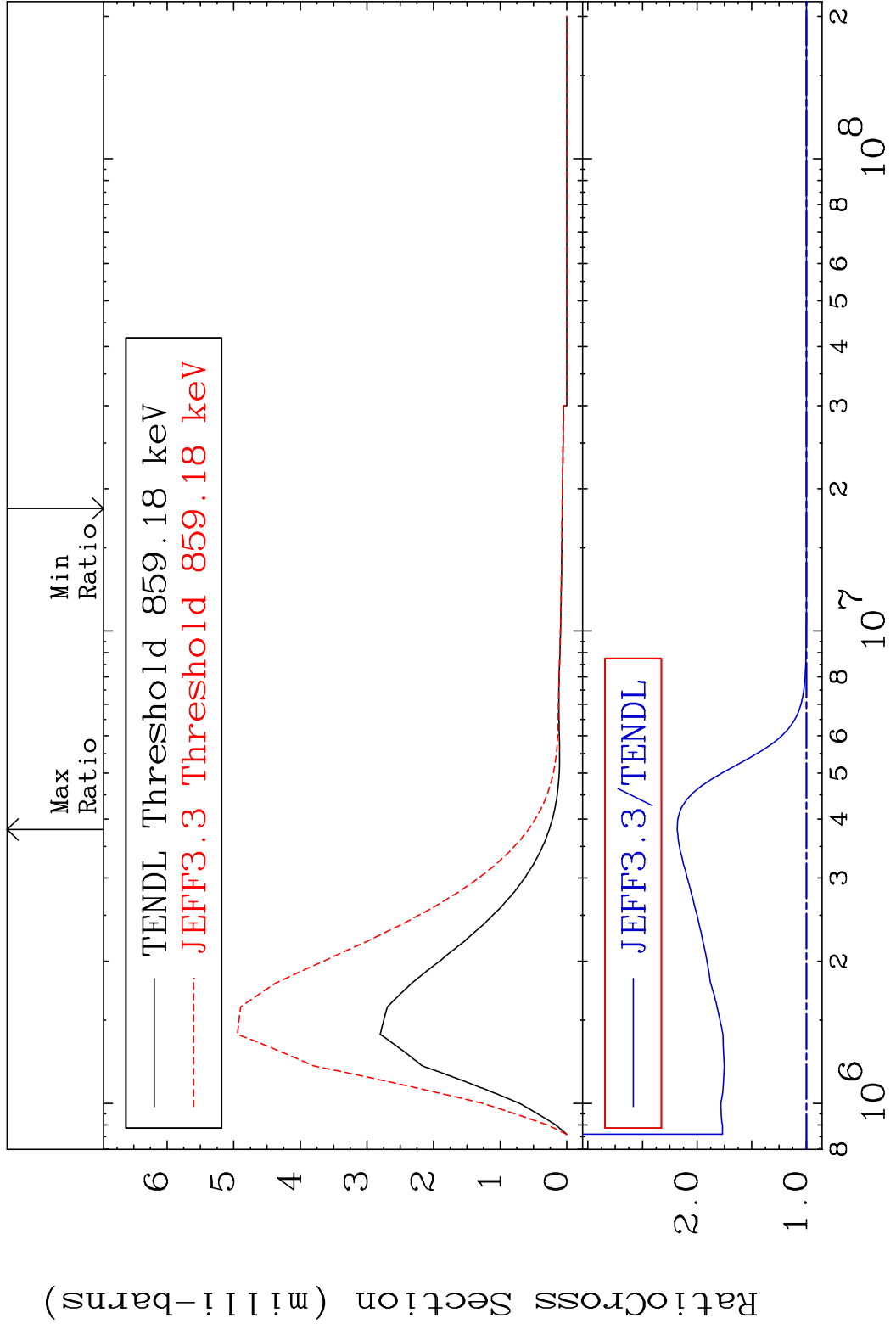


41 Incident Energy (eV) 71-Lu-177

MAT 7131 MT= 73 (n, n') Level 71-Lu-177
 Cross Section 0.000 To 96.55 %

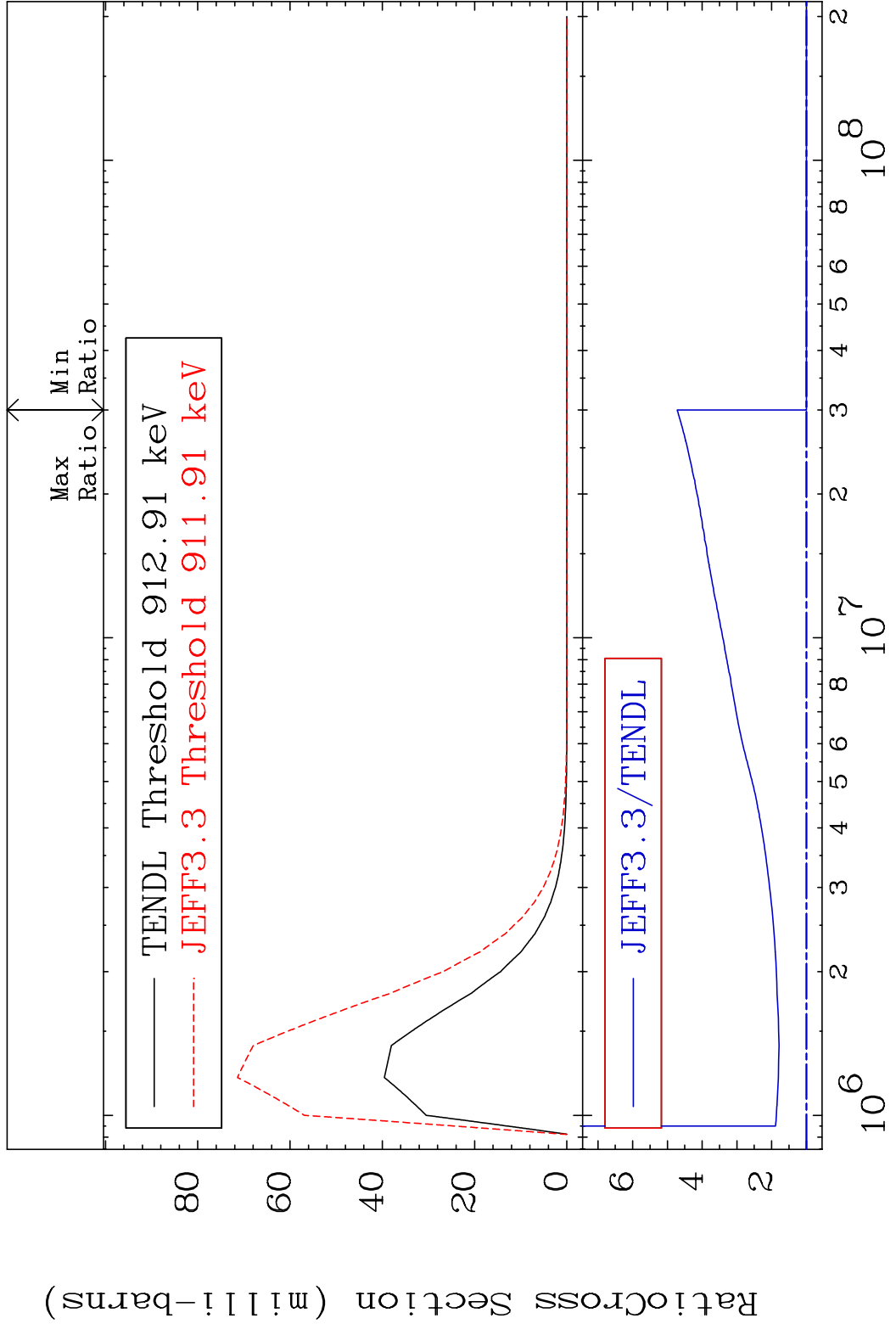


MAT 7131 MT= 74 (n, n') Level 71-Lu-177
 Cross Section 0.000 To 118.3 %



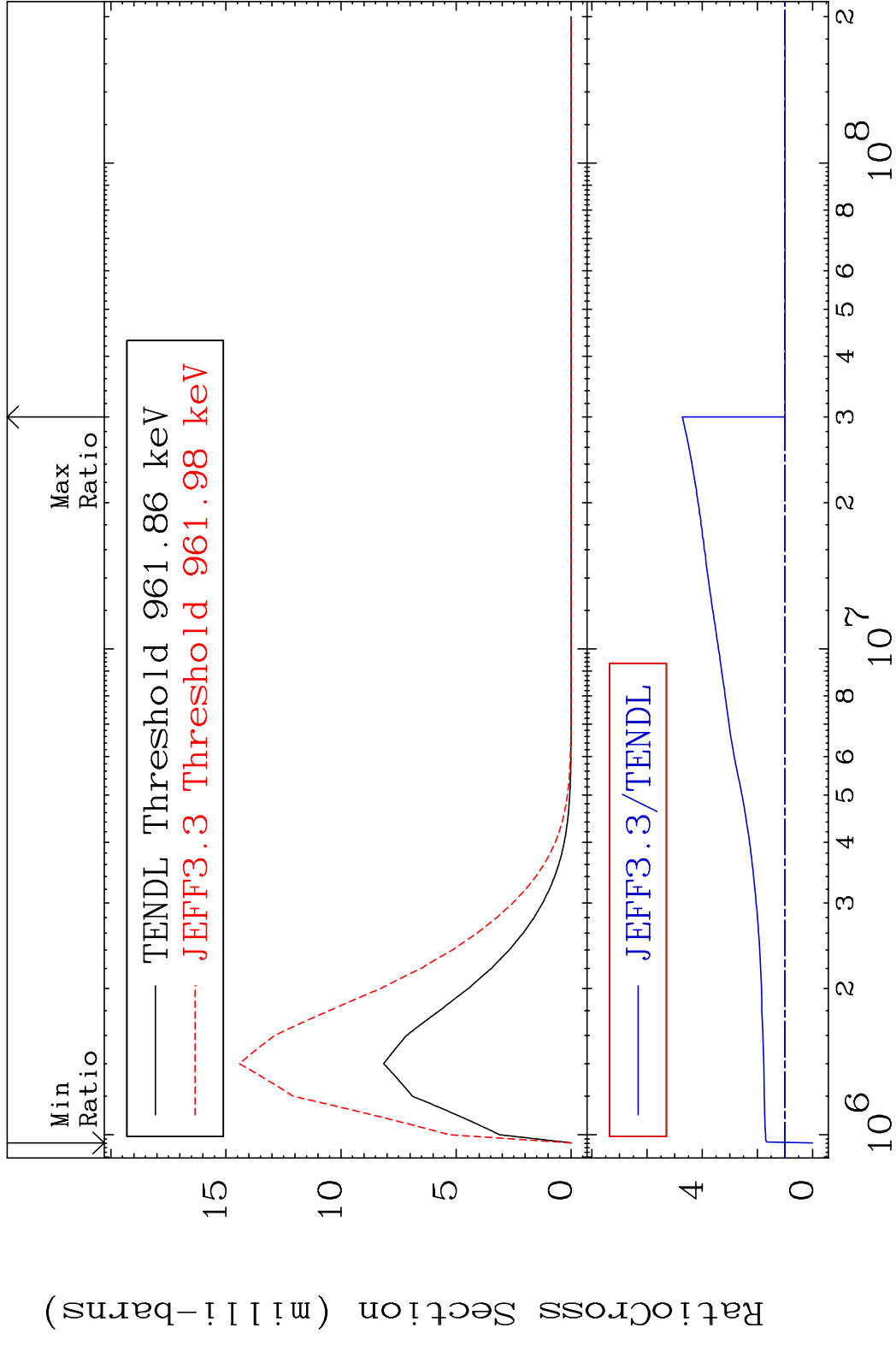
43 Incident Energy (eV) 71-Lu-177

MAT 7131 MT= 75 (n, n') Level 71-Lu-177
 Cross Section 0.000 To 371.9 %



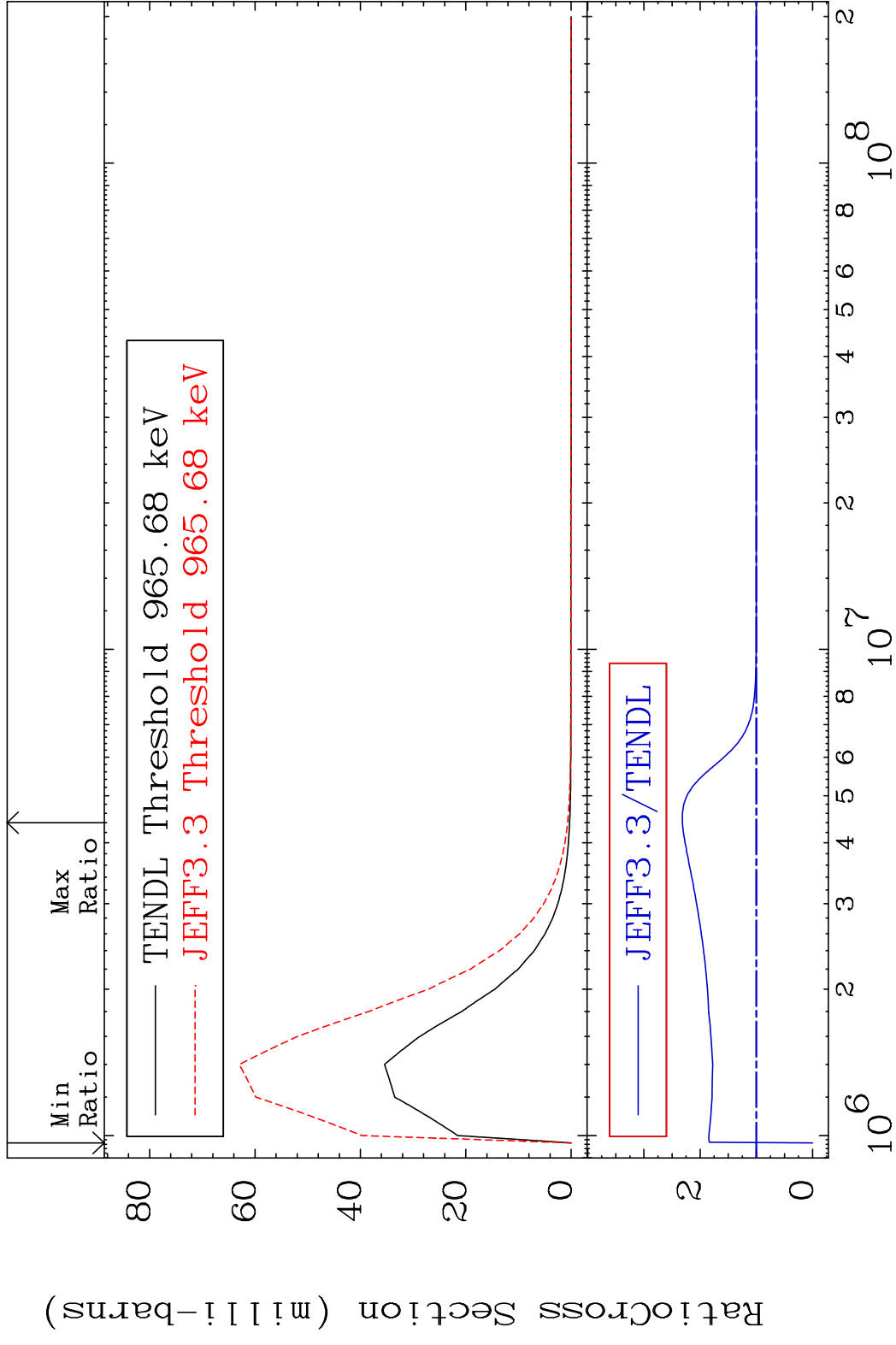
44 Incident Energy (eV) 71-Lu-177

MAT 7131 MT= 76 (n, n') Level 71-Lu-177
 Cross Section -100.0 To 372.1 %



45 Incident Energy (eV) 71-Lu-177

MAT 7131 MT= 77 (n, n') Level 71-Lu-177
 Cross Section -100.0 To 131.6 %



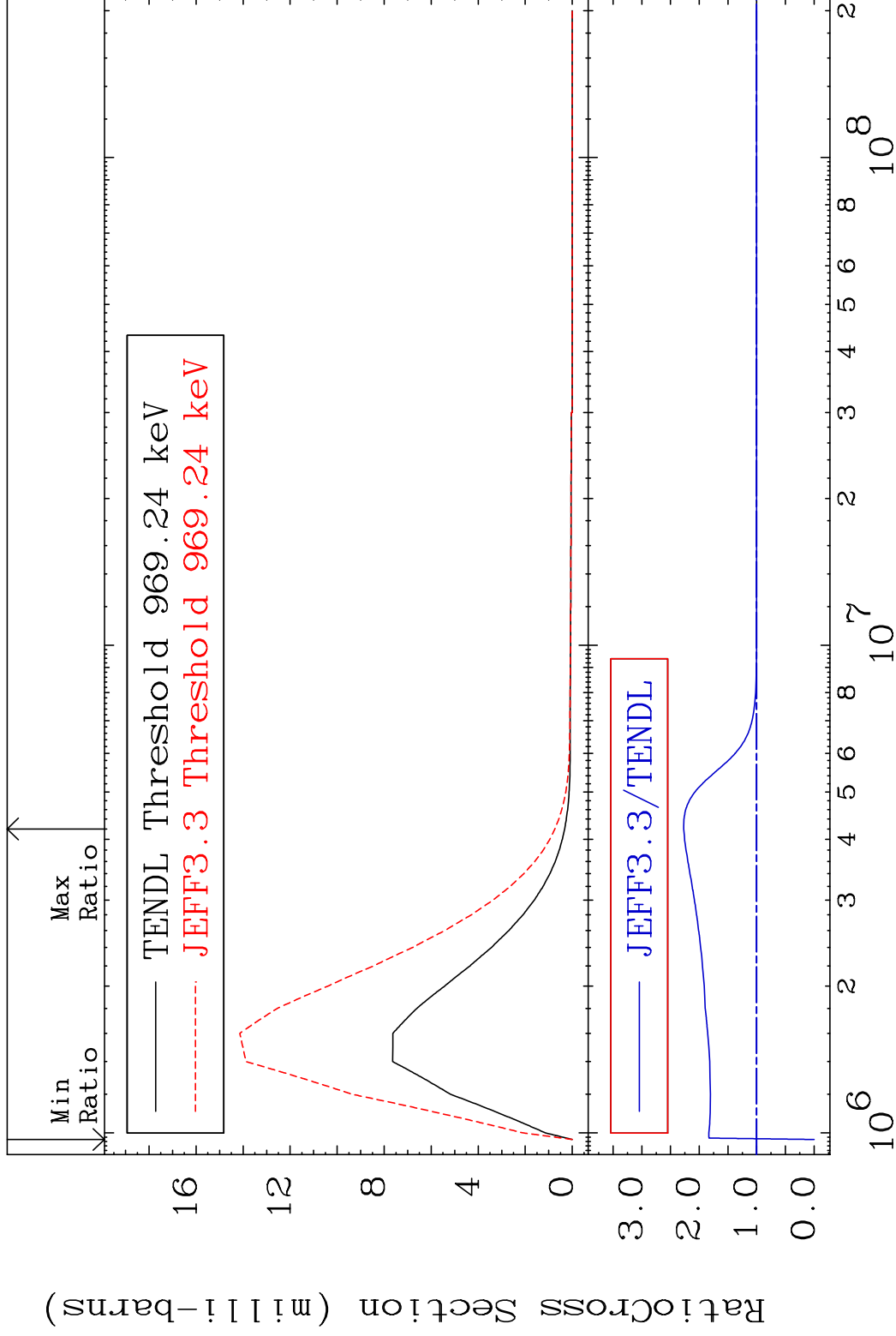
46 Incident Energy (eV) 71-Lu-177

MAT 7131

MT= 78 (n, n') Level

71-Lu-177

Cross Section -100.0 To 127.1 %

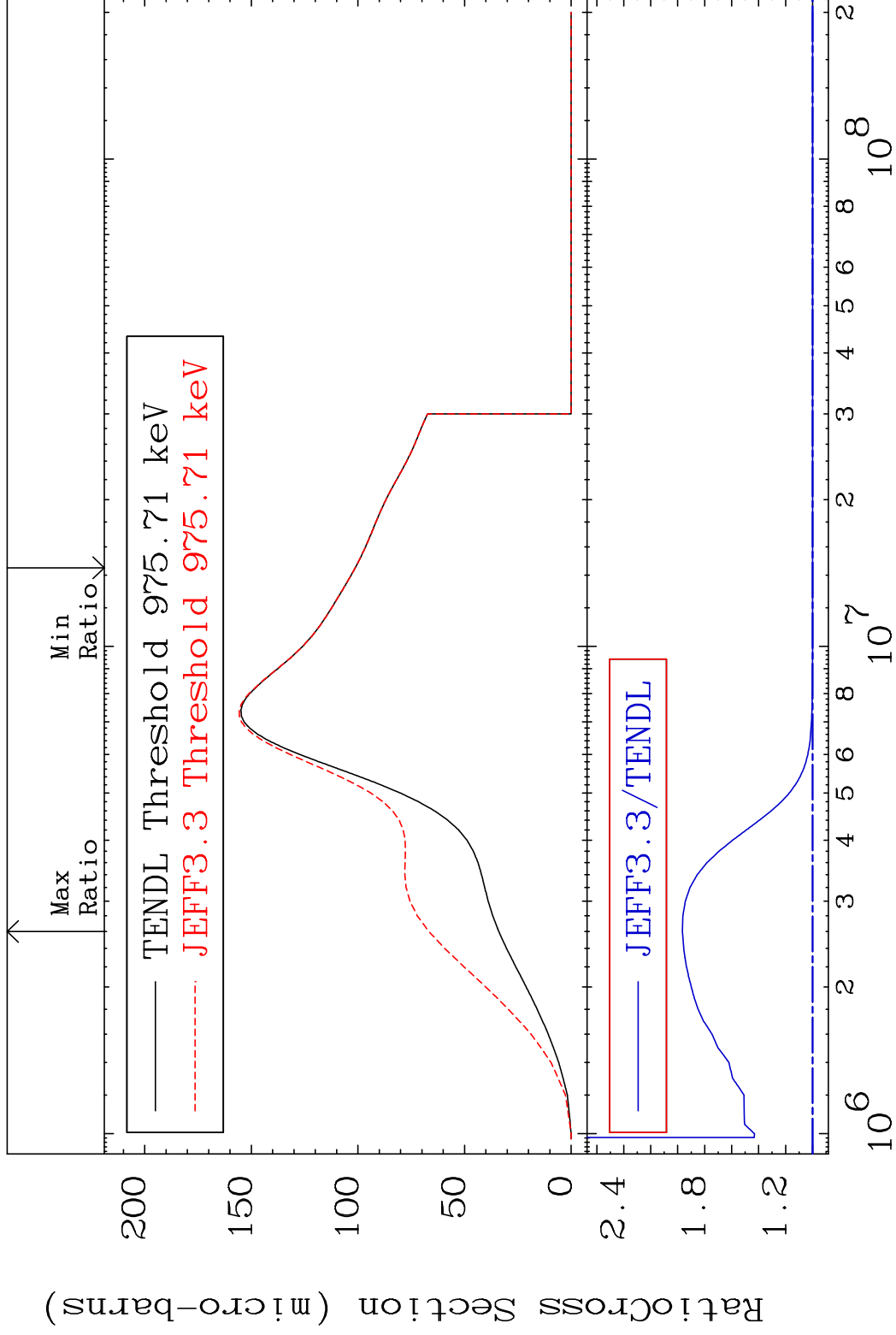


MAT 7131

MT= 79 (n, n') Level

71-Lu-177

Cross Section 0.000 To 96.55 %



48

Incident Energy (eV)

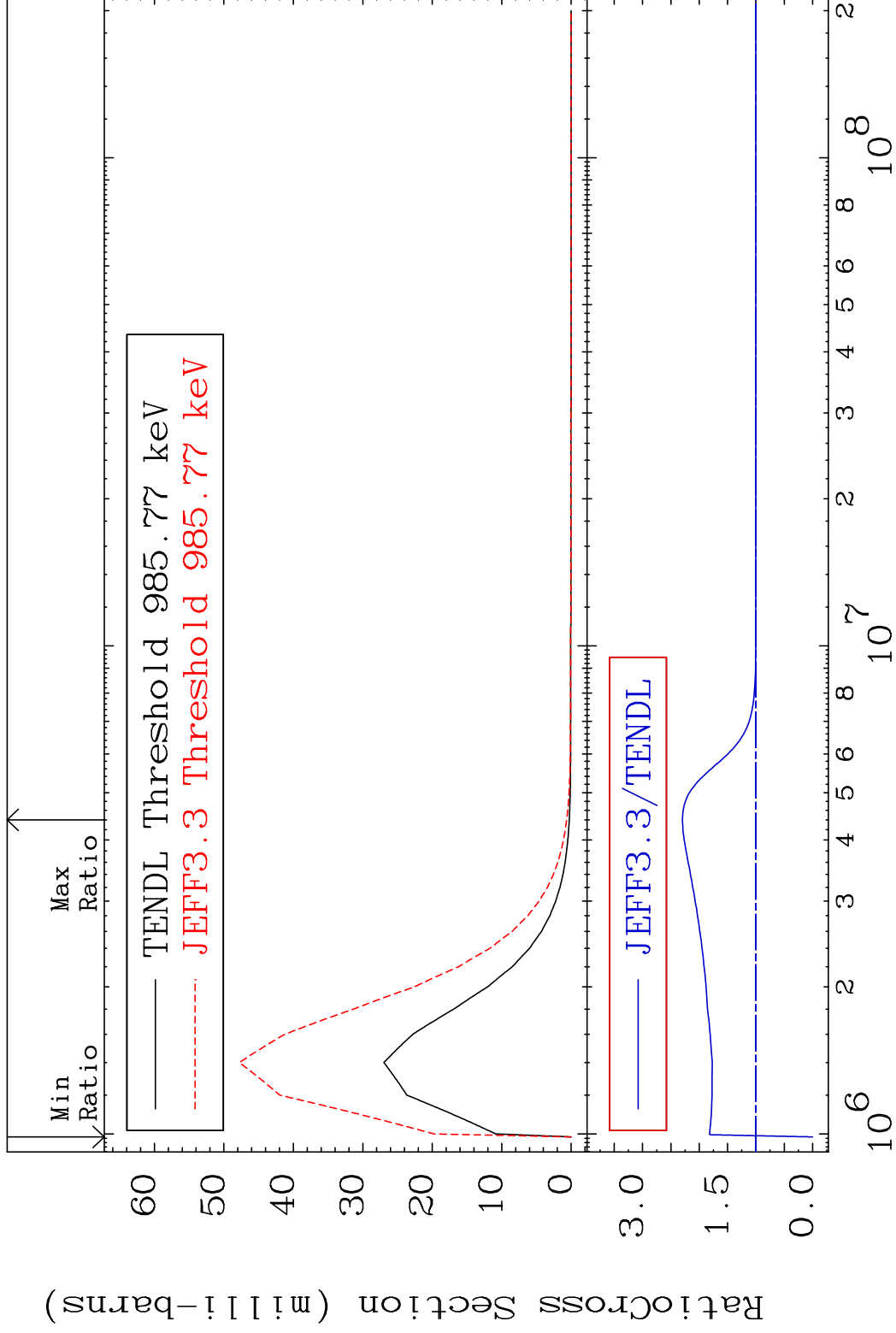
71-Lu-177

MAT 7131

MT= 80 (n, n') Level

71-Lu-177

Cross Section -100.0 To 129.8 %



49

Incident Energy (eV)

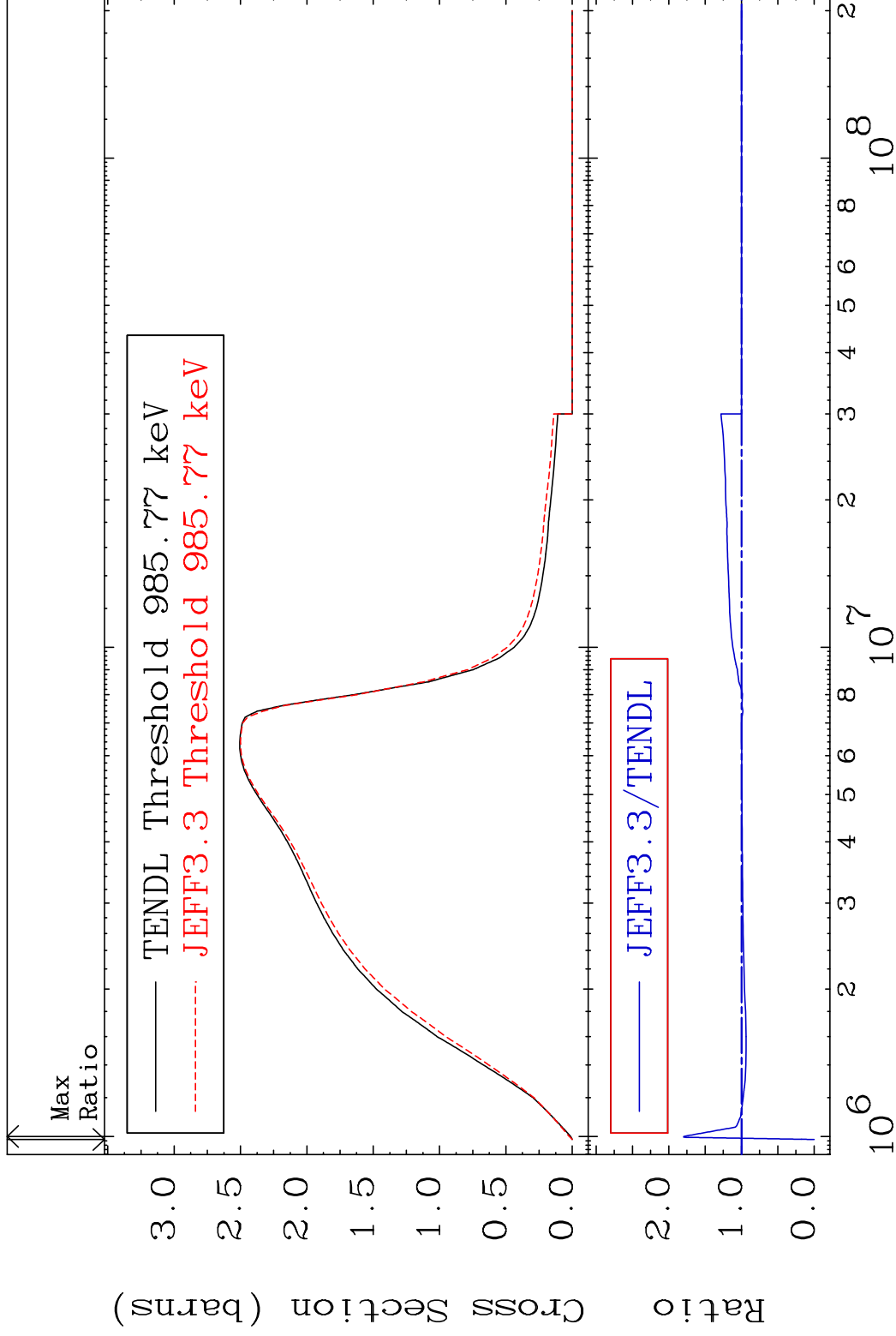
71-Lu-177

MAT 7131

(n, n') Continuum

71-Lu-177

Cross Section -100.0 To 79.55 %



50

Incident Energy (eV)

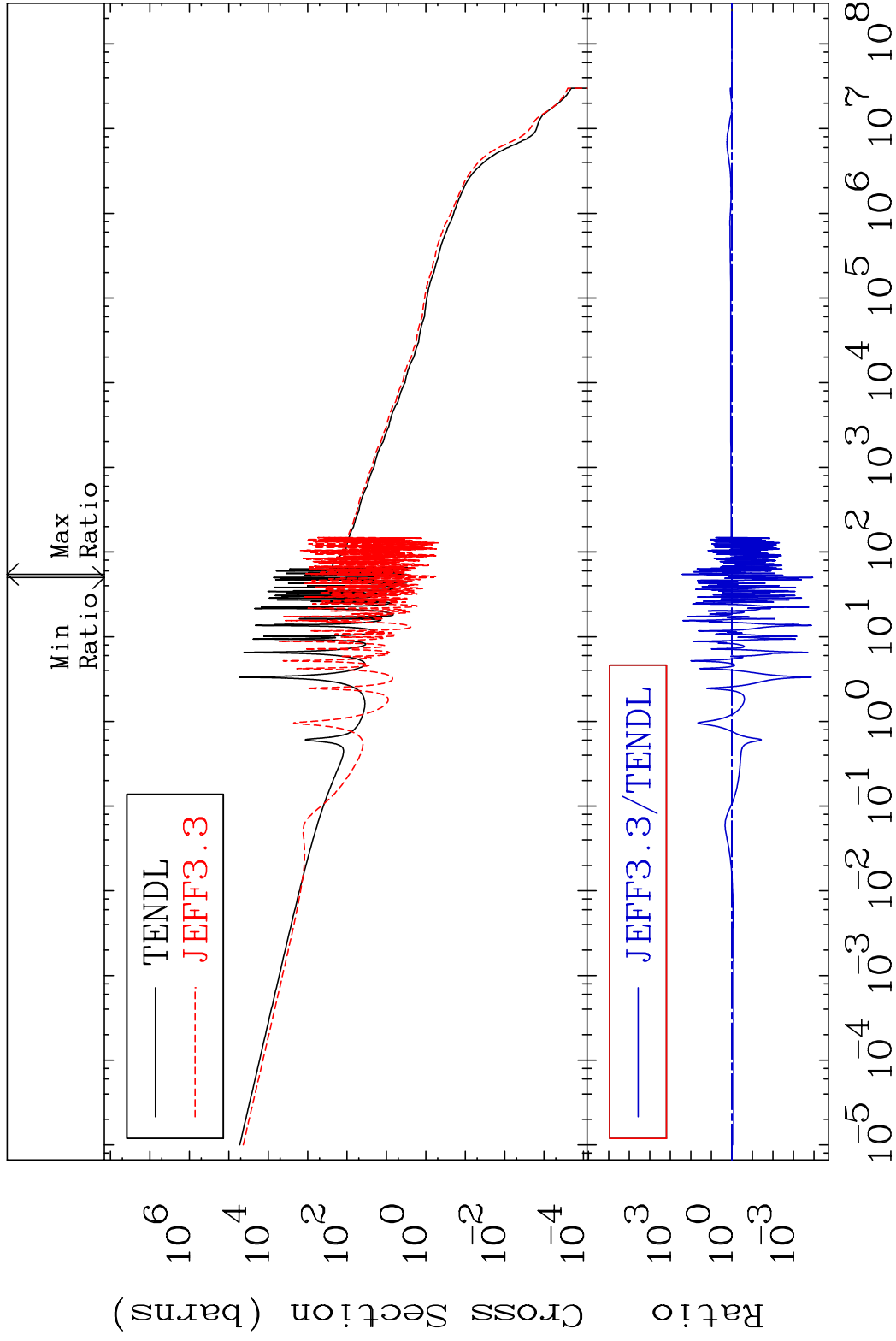
71-Lu-177

MAT 7131

(n, γ)

71-Lu-177

Cross Section -99.99 To 9999. %

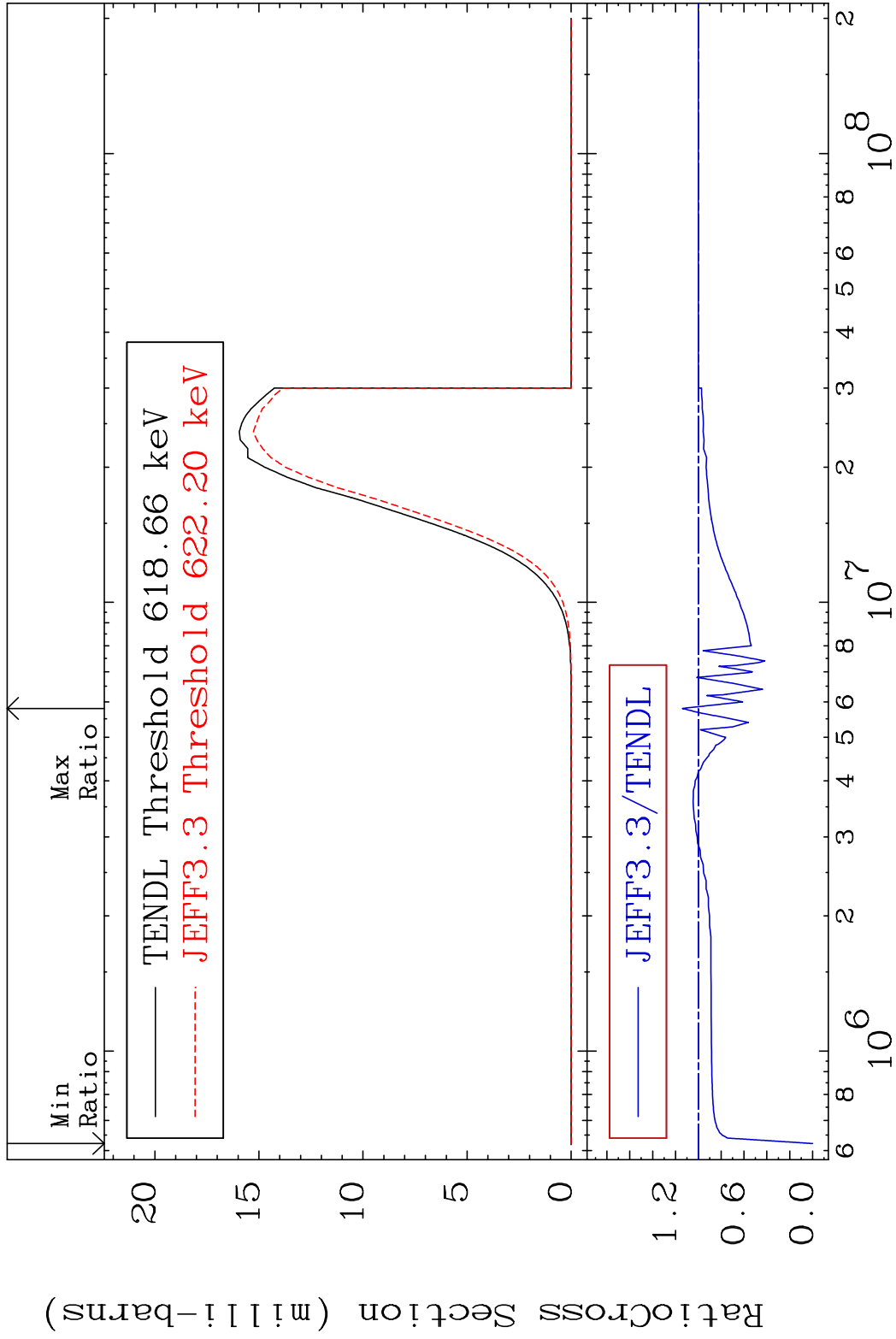


MAT 7131

(n,p)

71-Lu-177

Cross Section -100.0 To 13.98 %

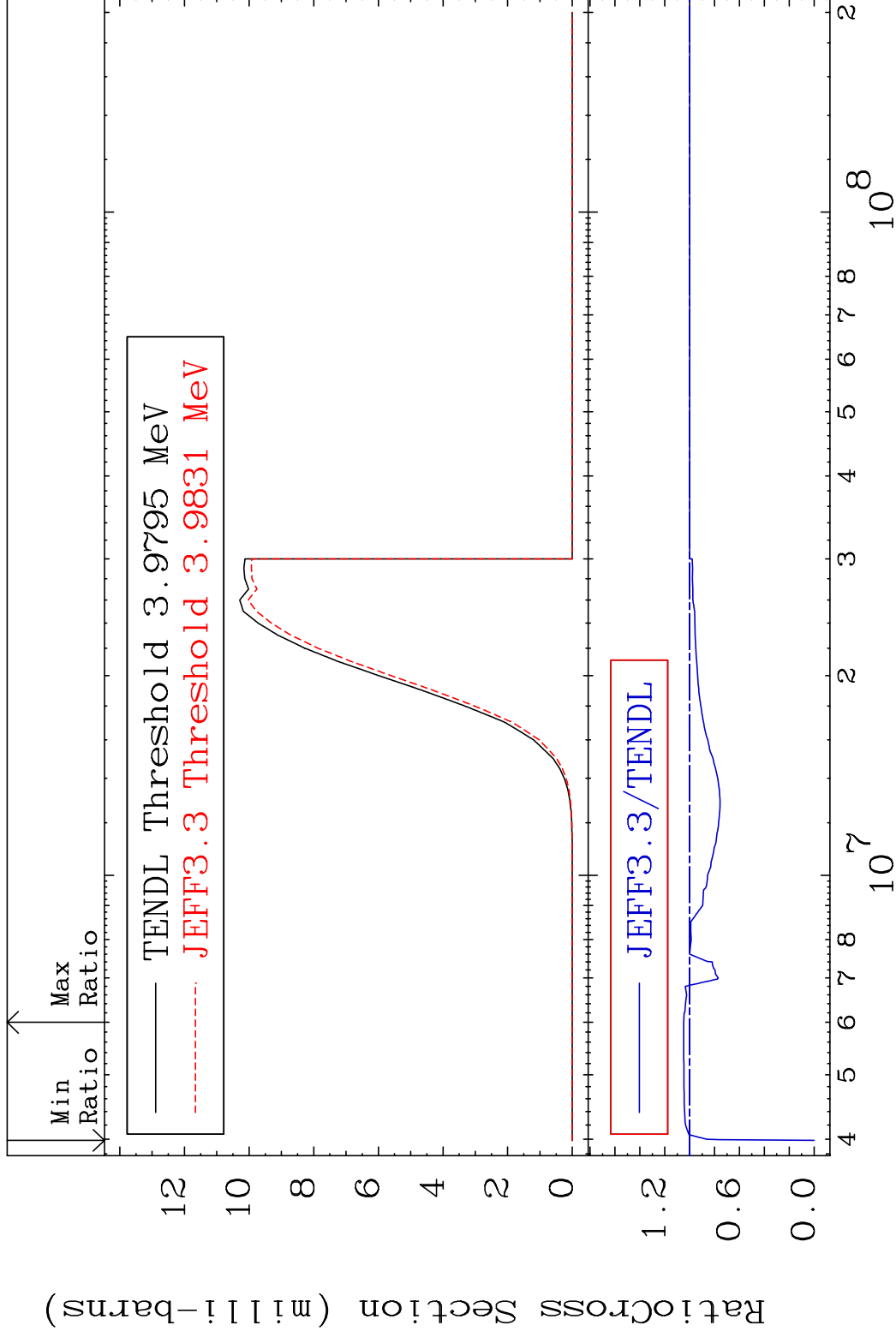


MAT 7131

(n,d)

71-Lu-177

Cross Section -100.0 To 4.829 %

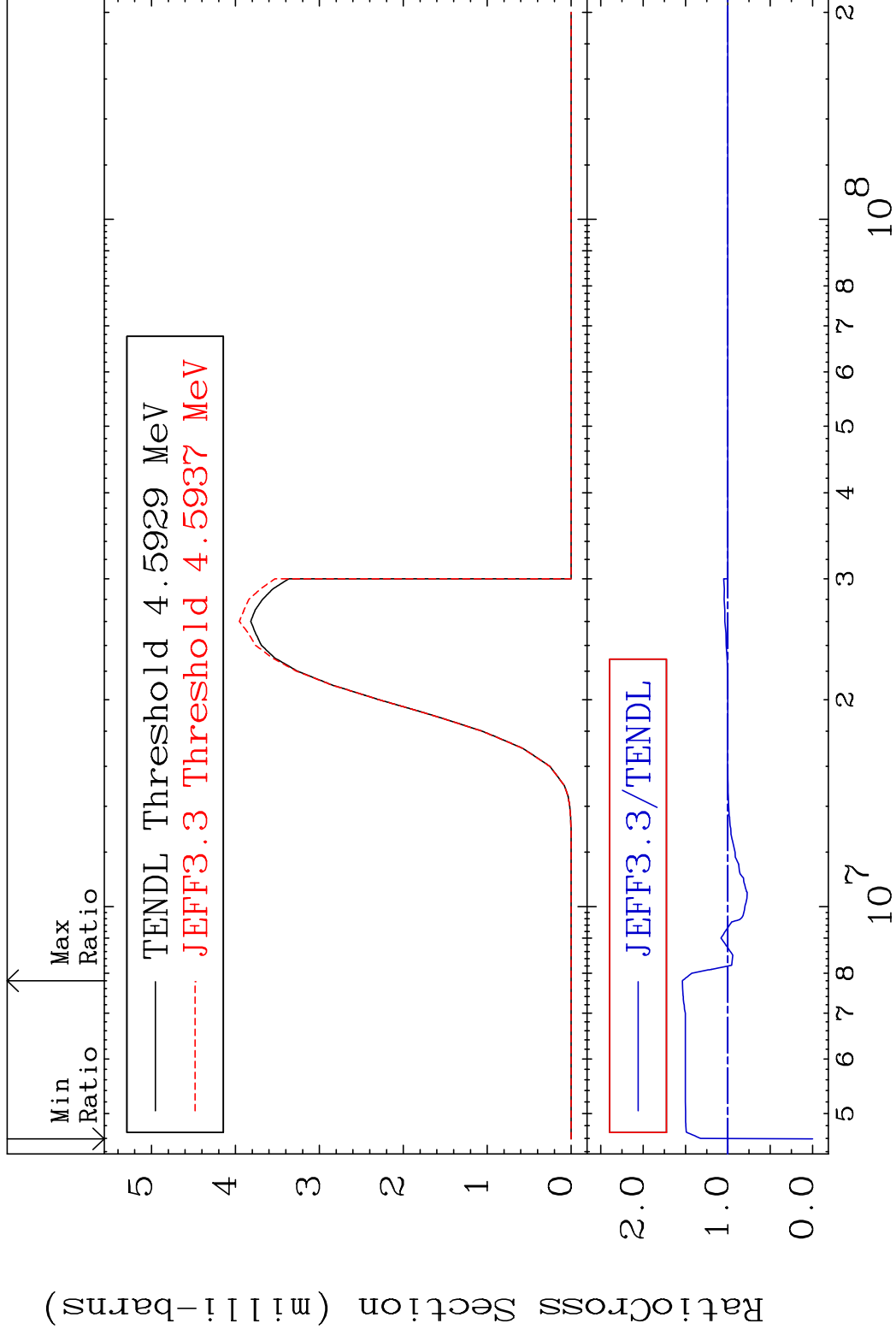


MAT 7131

(n, t)

71-Lu-177

Cross Section -100.0 To 53.74 %

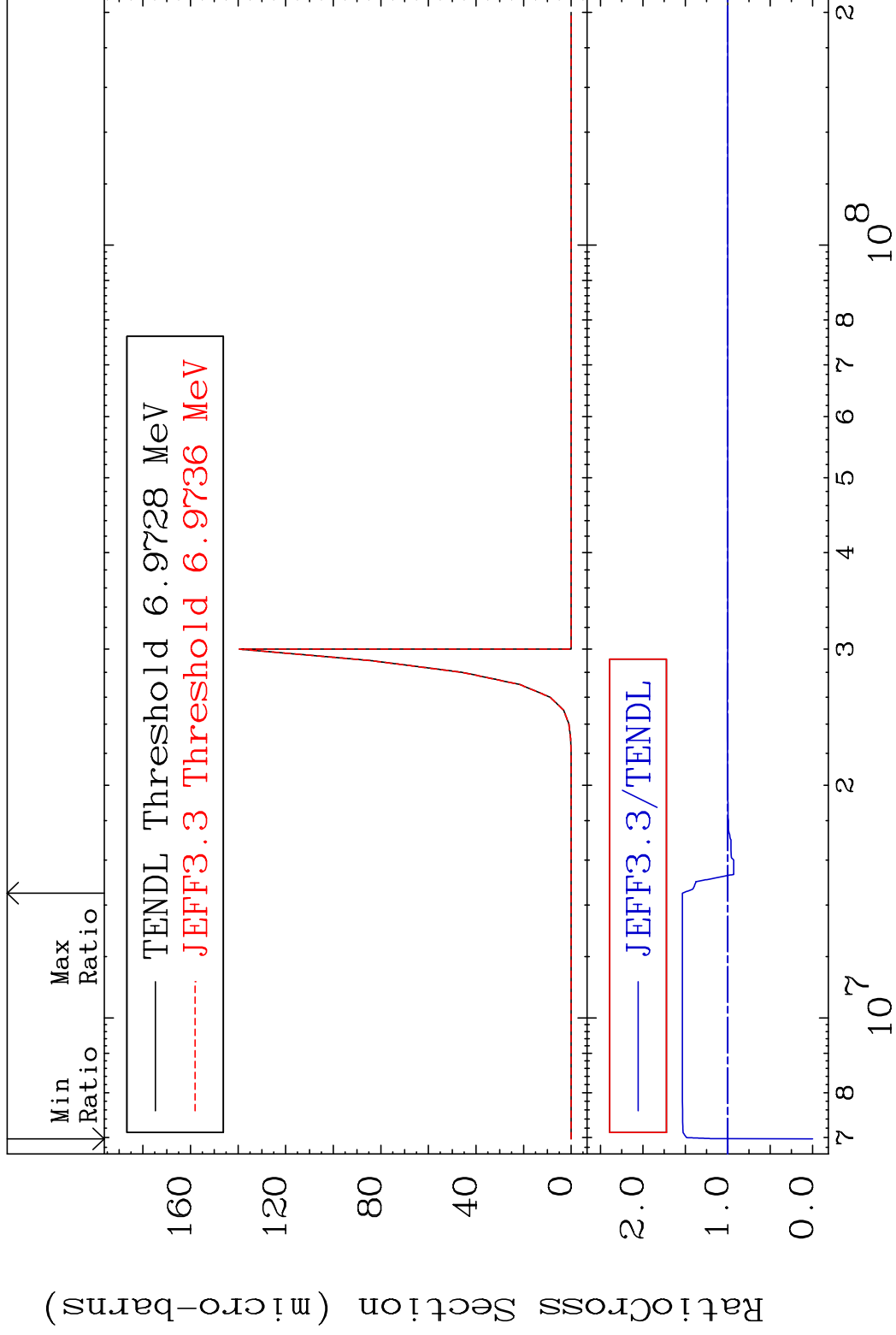


MAT 7131

(n, He-3)

71-Lu-177

Cross Section -100.0 To 53.57 %



55

Incident Energy (eV)

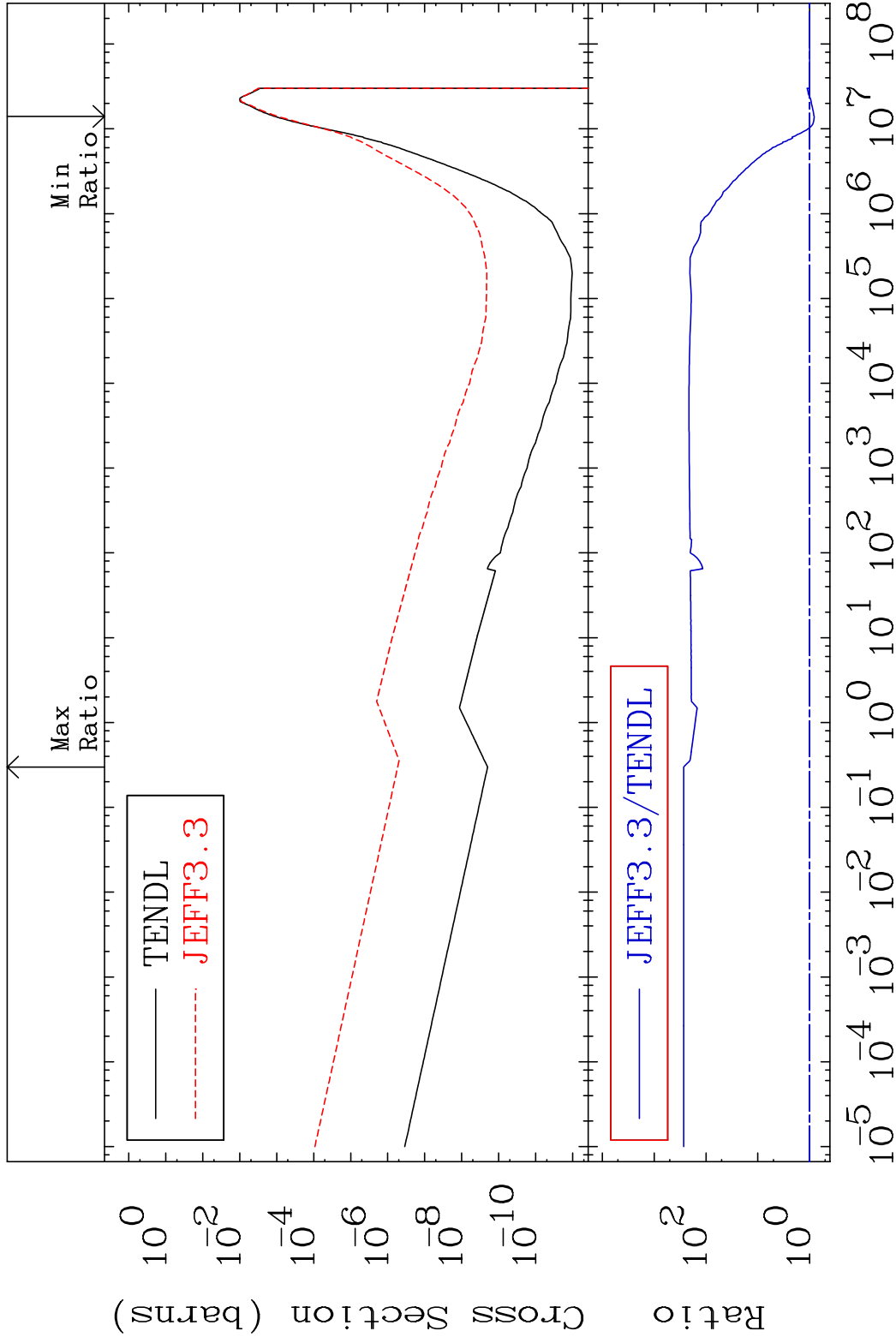
71-Lu-177

MAT 7131

(n, α)

71-Lu-177

Cross Section -18.07 To 9999. %



56

Incident Energy (eV)

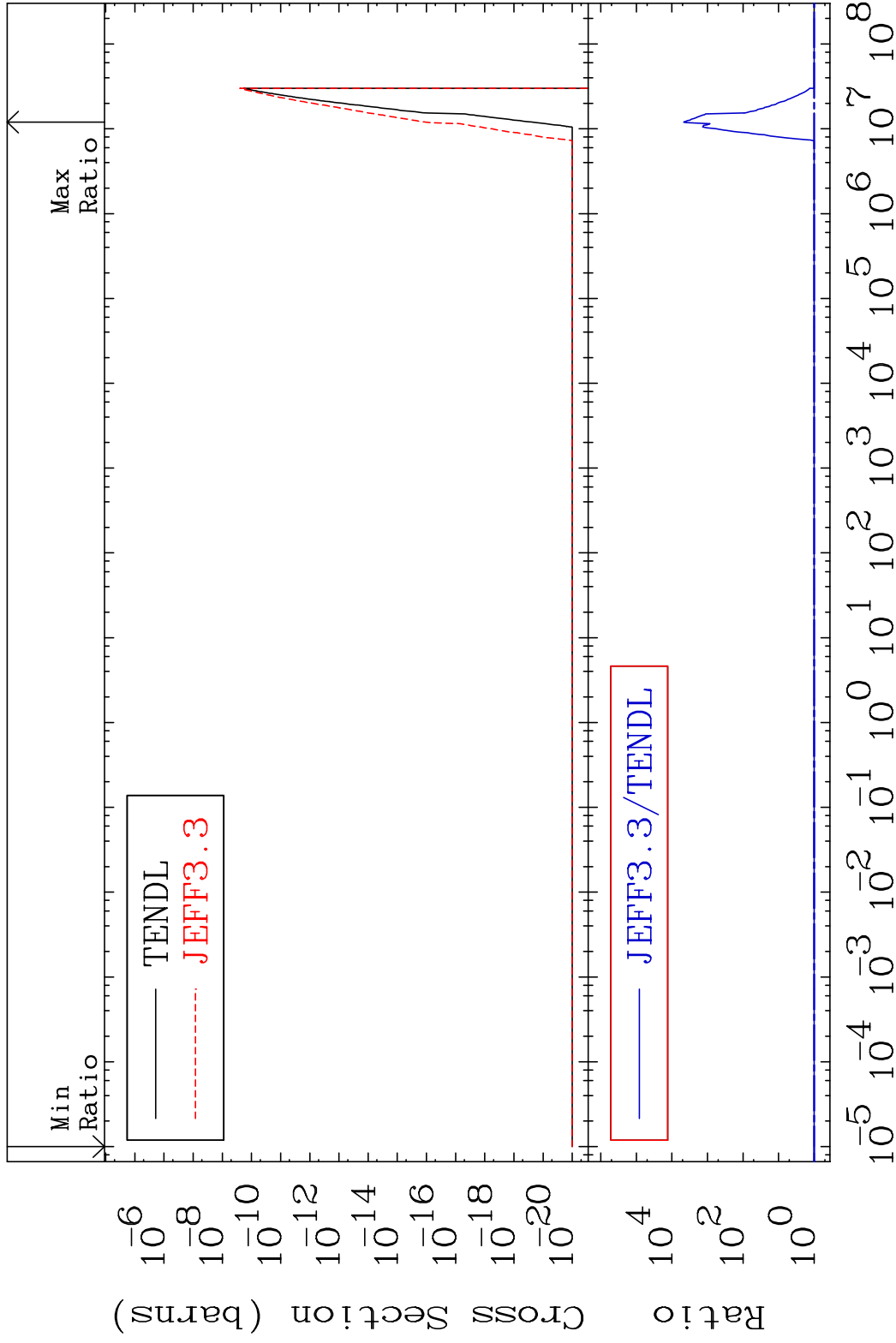
71-Lu-177

MAT 7131

(n, 2α)

71-Lu-177

Cross Section 0.000 To 9999. %

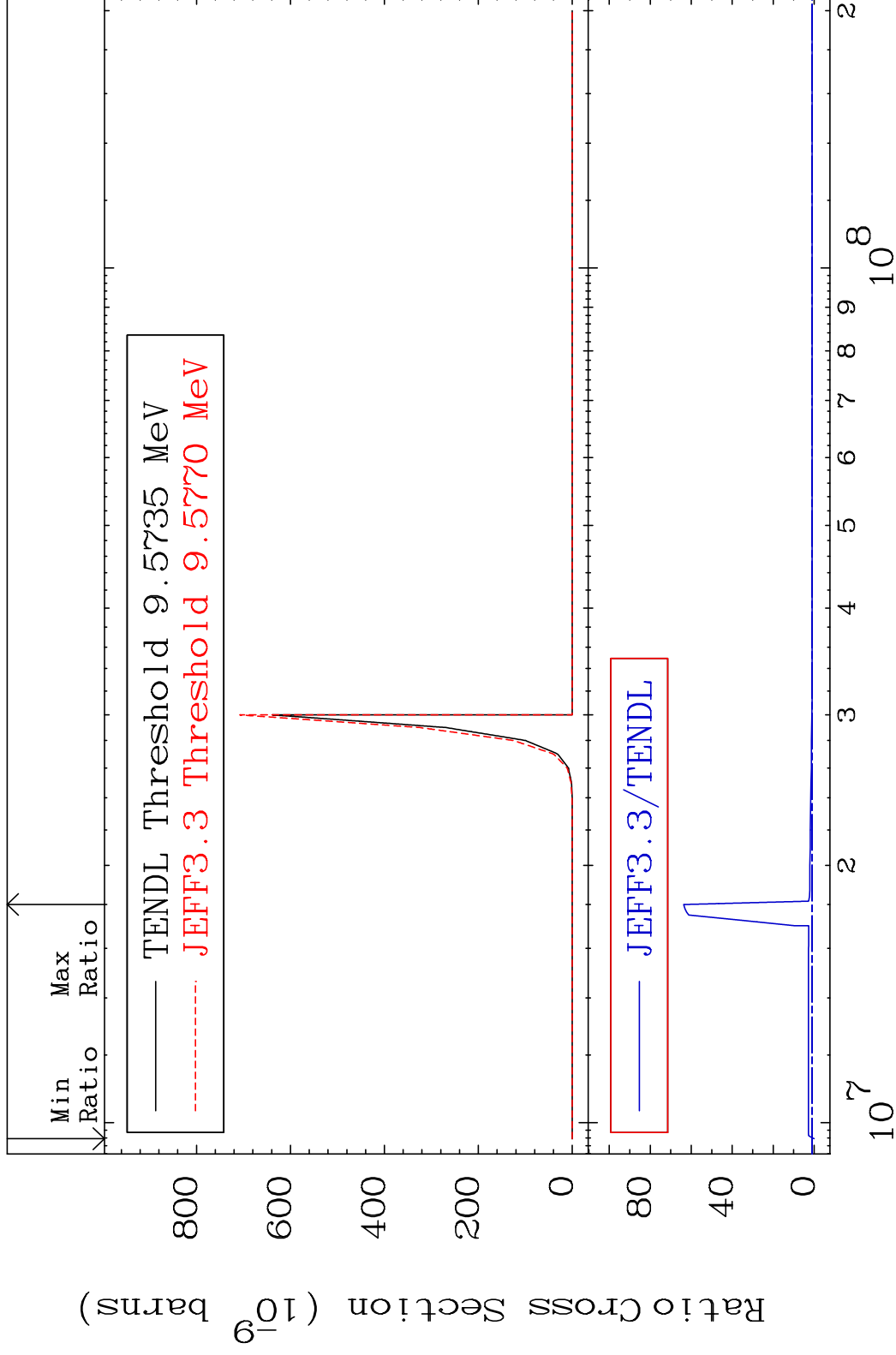


MAT 7131

(n,2p)

71-Lu-177

Cross Section -100.0 To 6269. %



58

Incident Energy (eV)

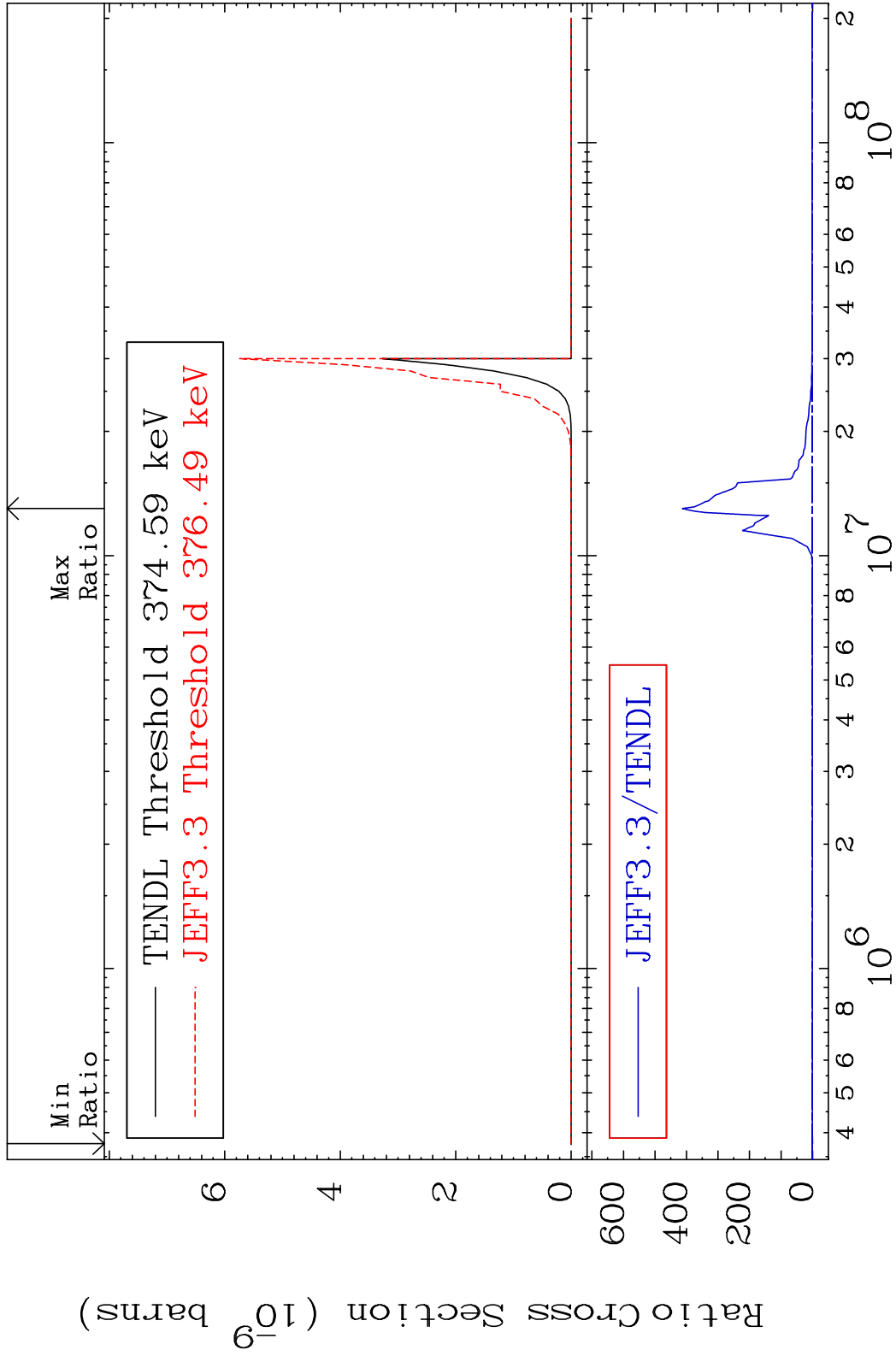
71-Lu-177

MAT 7131

(n,p) α

71-Lu-177

Cross Section -100.0 To 9999. %

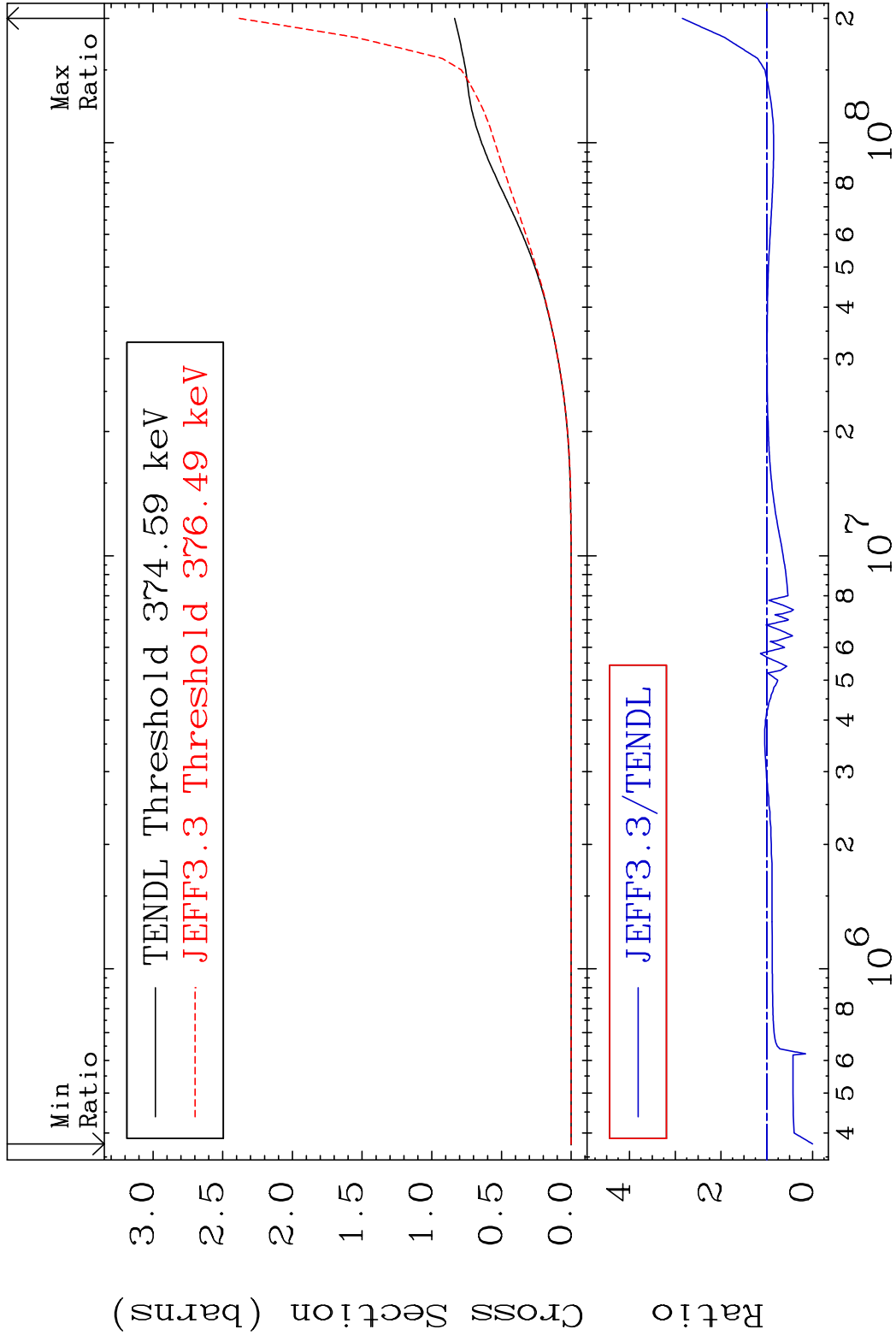


MAT 7131

Hydrogen Production

71-Lu-177

Cross Section -100.0 To 184.4 %



60

Incident Energy (eV)

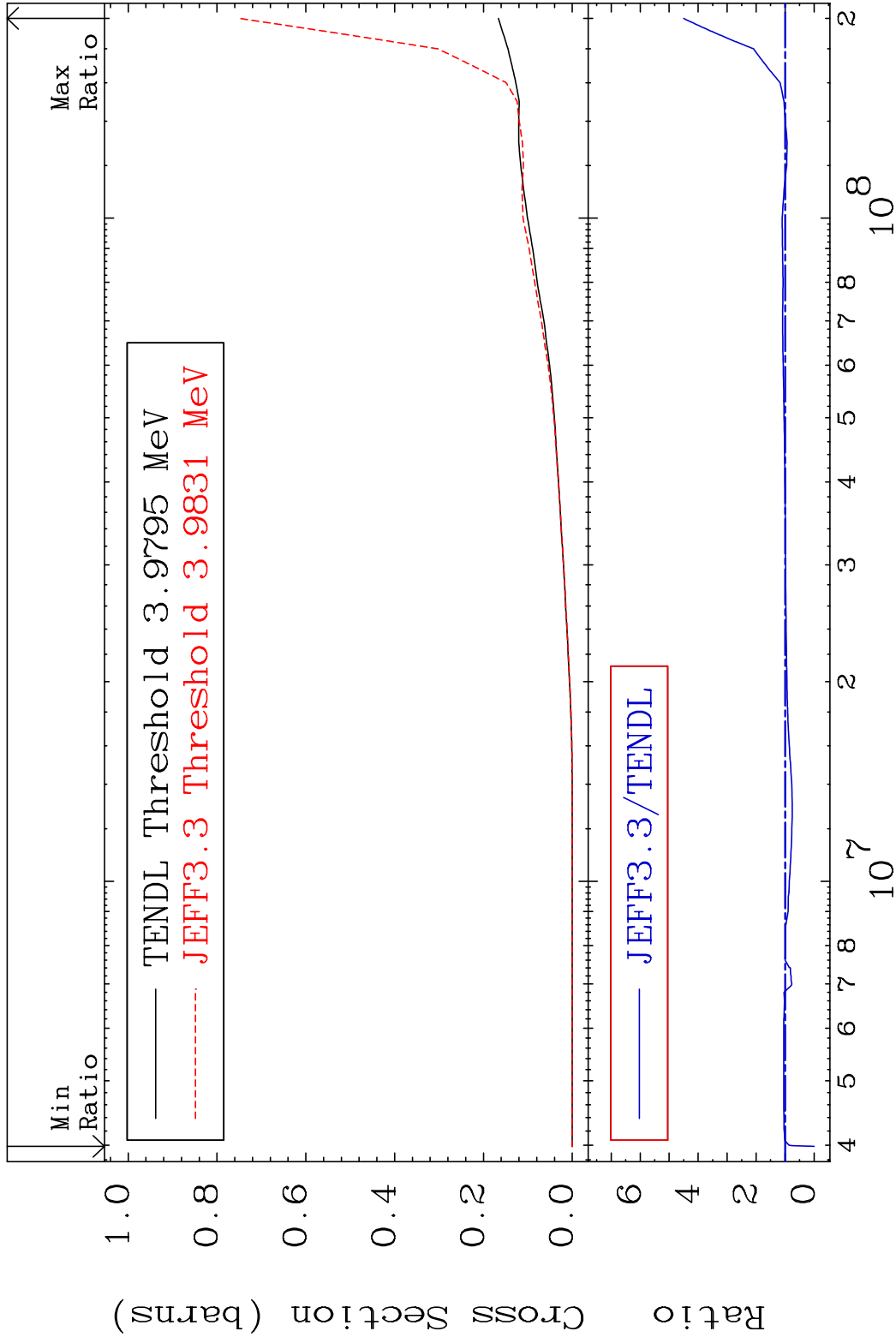
71-Lu-177

MAT 7131

Deuterium Production

71-Lu-177

Cross Section -100.0 To 350.0 %



61

Incident Energy (eV)

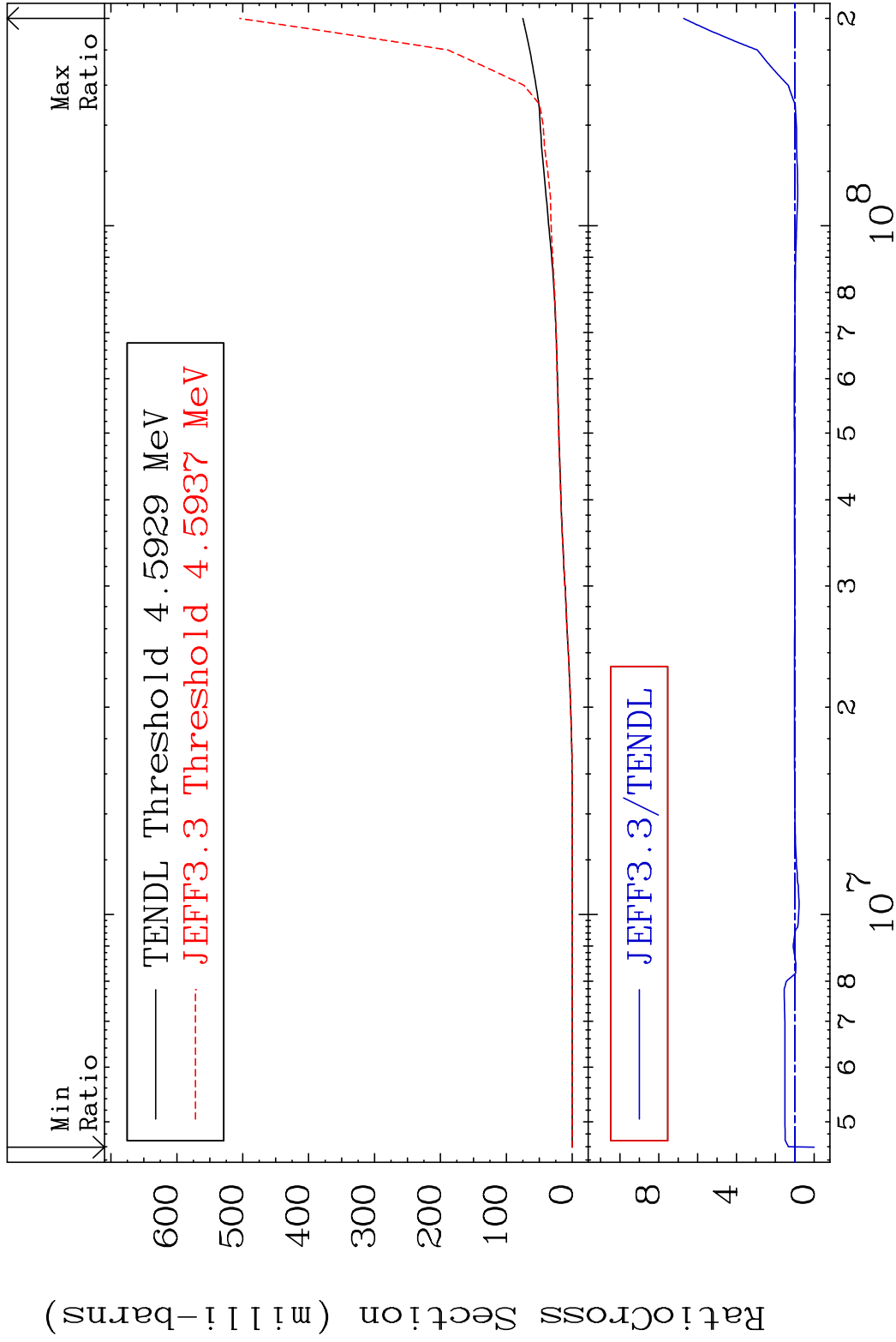
71-Lu-177

MAT 7131

Tritium Production

71-Lu-177

Cross Section -100.0 To 572.0 %



62

Incident Energy (eV)

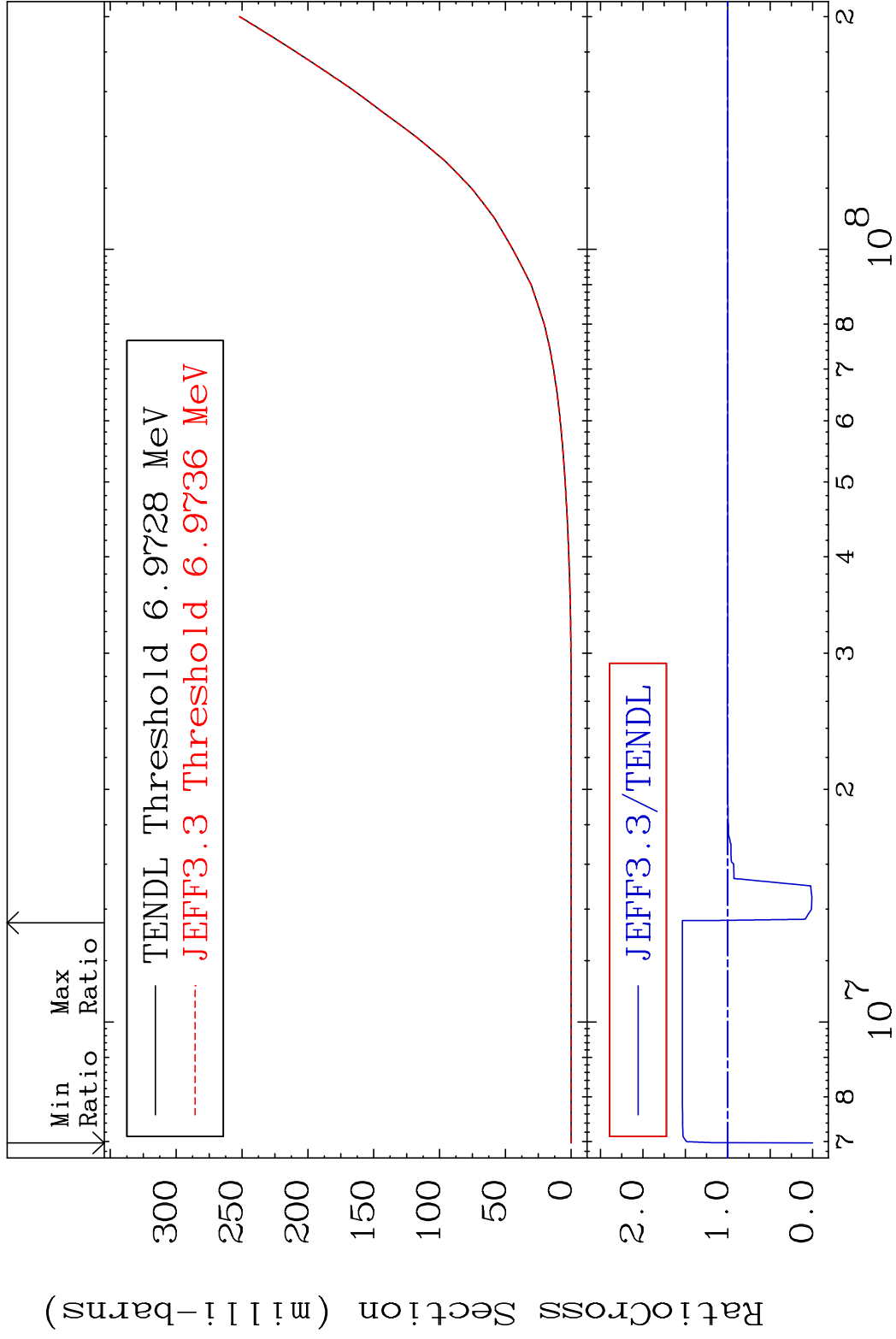
71-Lu-177

MAT 7131

He-3 Production

71-Lu-177

Cross Section -100.0 To 53.57 %



63

Incident Energy (eV)

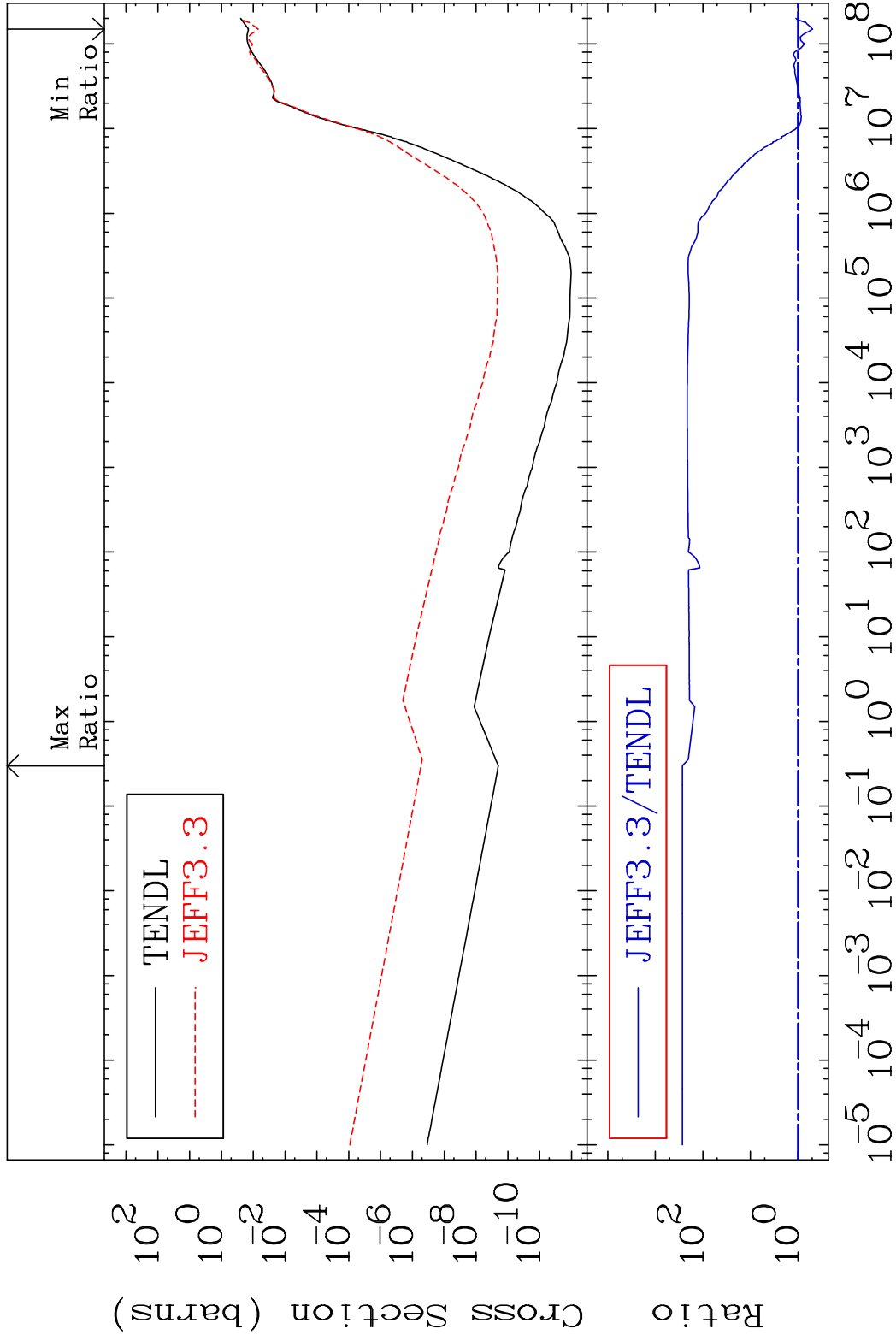
71-Lu-177

MAT 7131

He-4 Production

71-Lu-177

Cross Section -50.81 To 9999. %

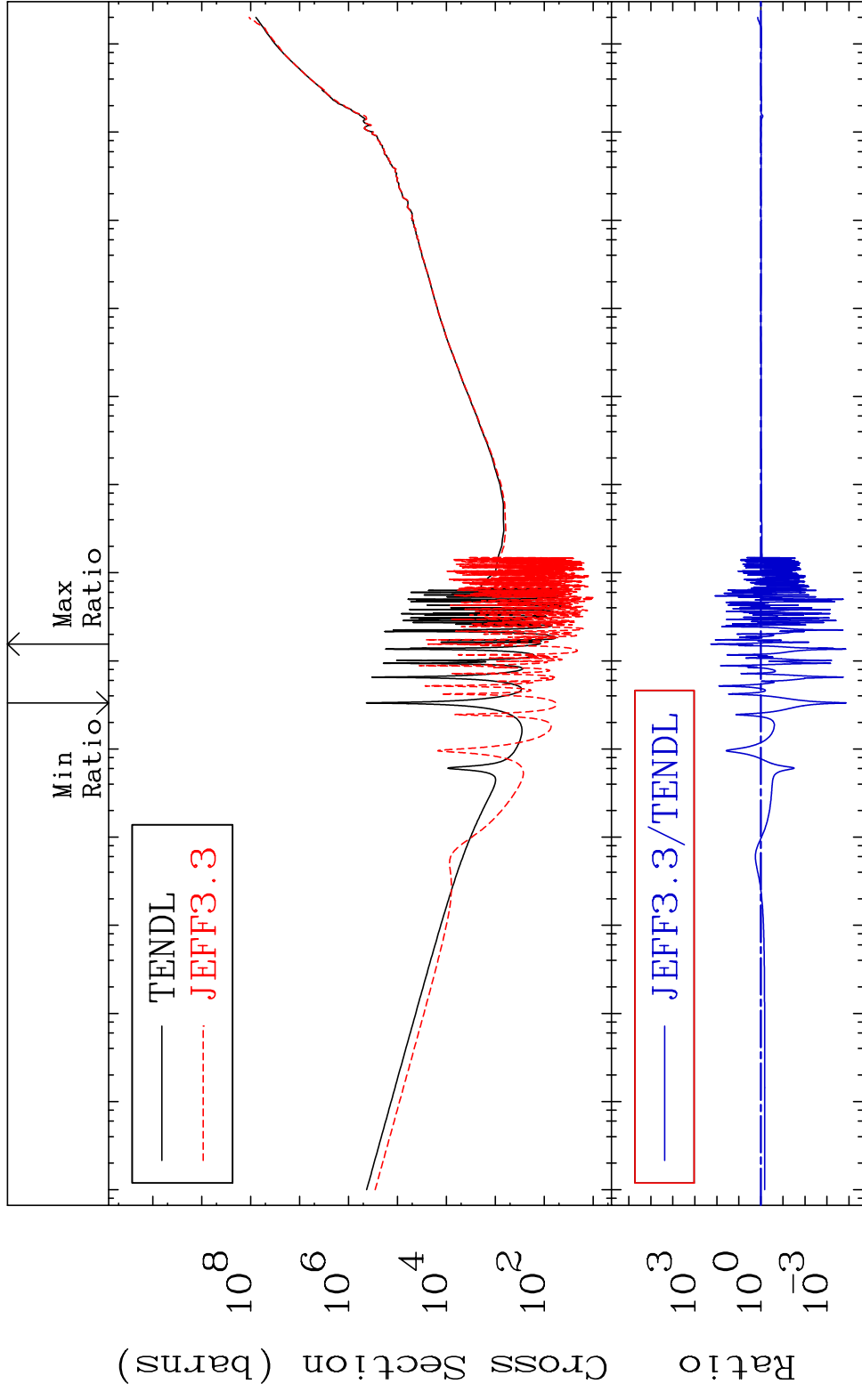


64

Incident Energy (eV)

71-Lu-177

MAT 7131 Kerma total (eV-barns) 71-Lu-177
 Cross Section -99.99 To 9999. %

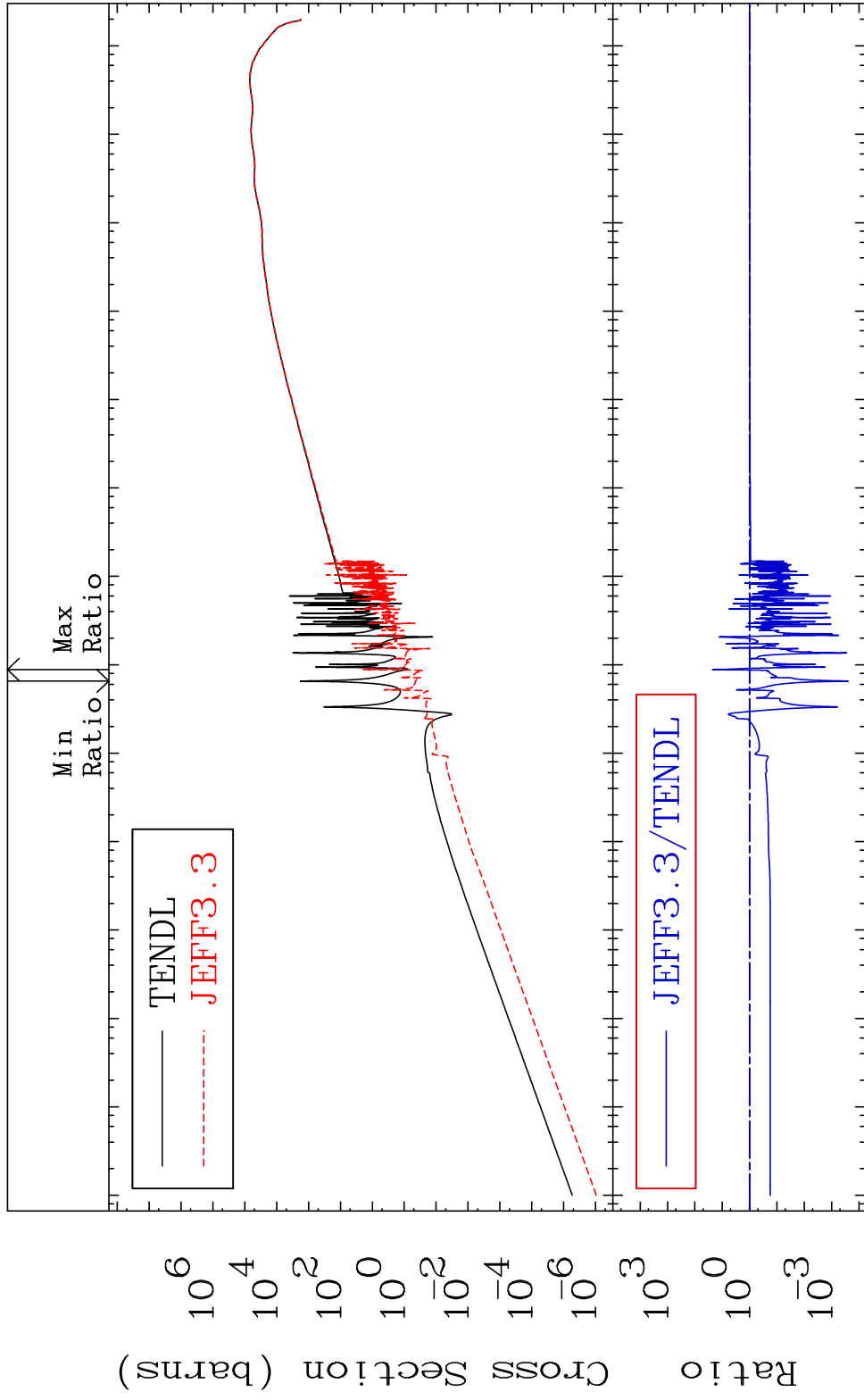


MAT 7131

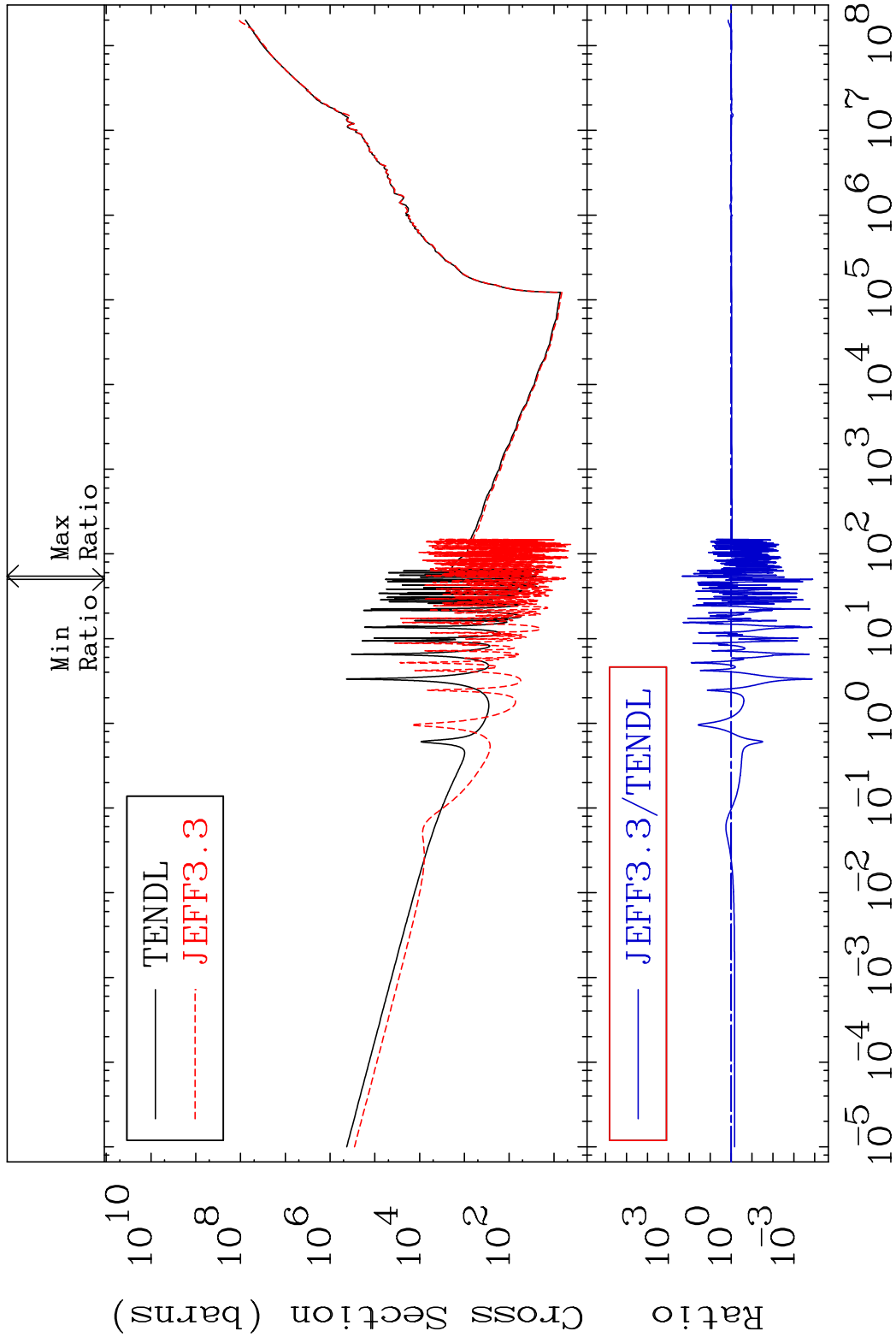
Kerma elastic

71-Lu-177

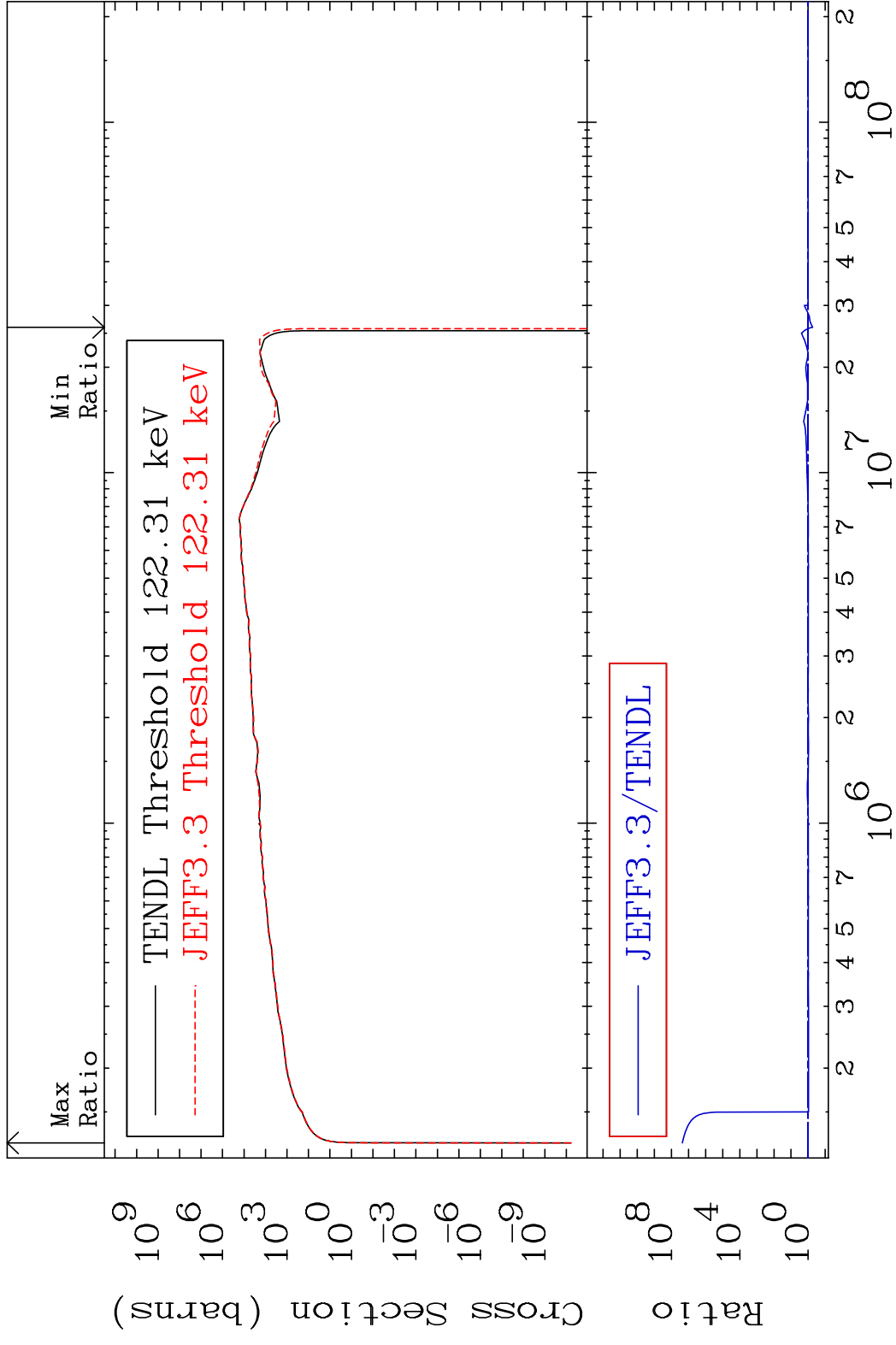
Cross Section -99.98 To 2198. %



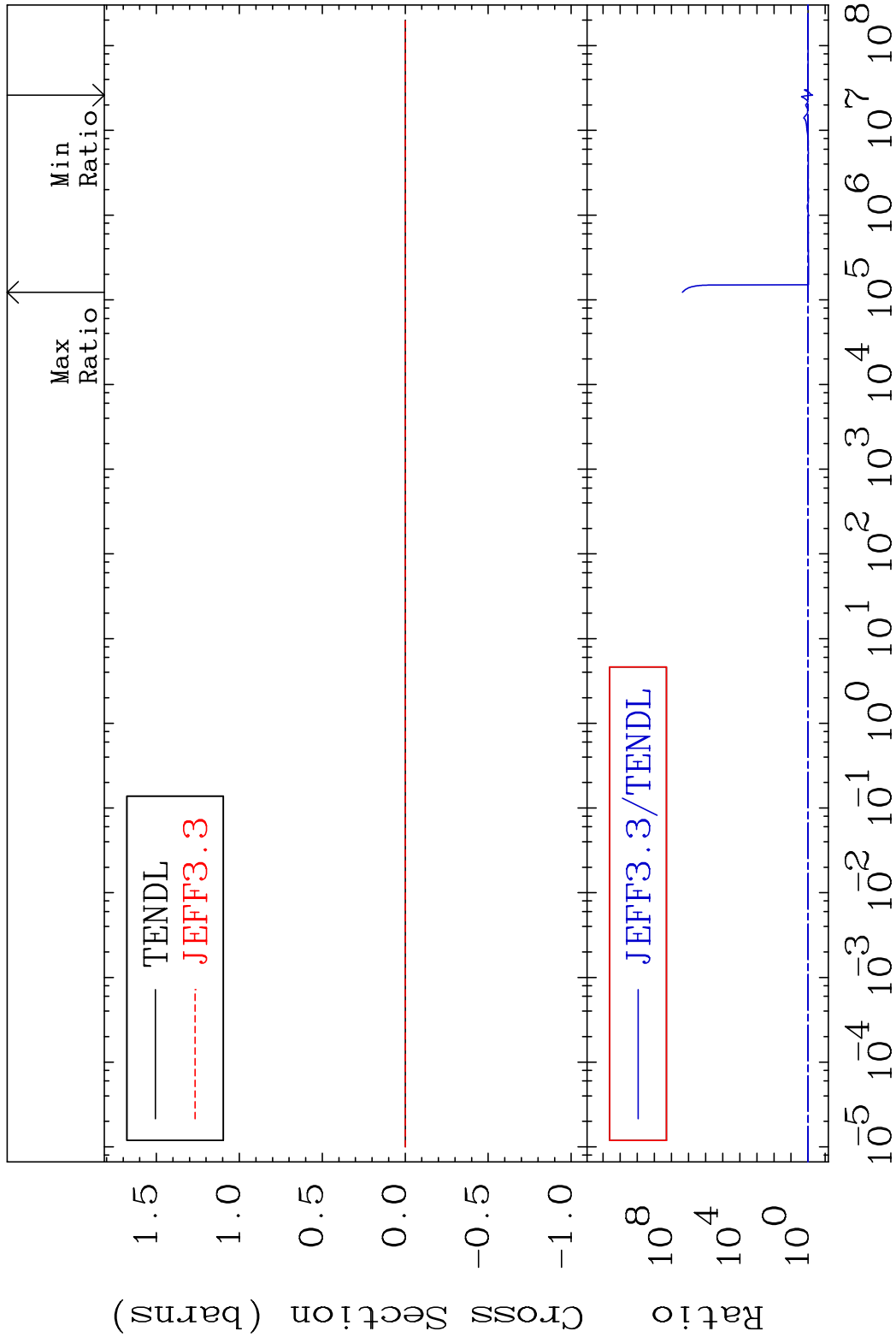
MAT 7131 Kerma non-elastic (all but mt2) 71-Lu-177
 Cross Section -99.99 To 9999. %



MAT 7131 Kerma inelastic (mt51-91) 71-Lu-177
 Cross Section -44.82 To 9999. %



MAT 7131 Kerma fission (mt18 or mt19-20-21-38)71-Lu-177
 Cross Section -44.82 To 9999. %

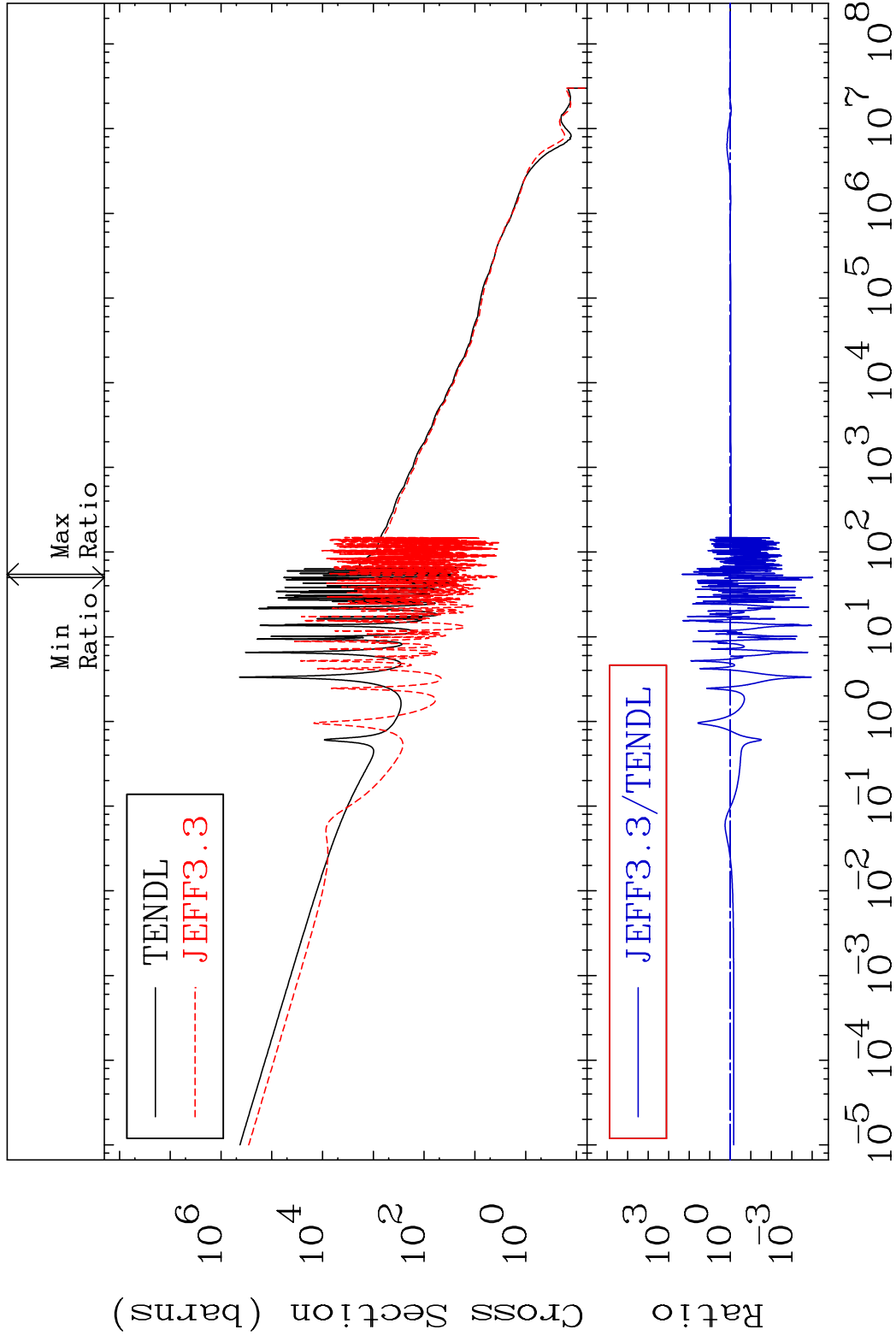


MAT 7131

Kerma capture (mt102)

71-Lu-177

Cross Section -99.99 To 9999. %



70

Incident Energy (eV)

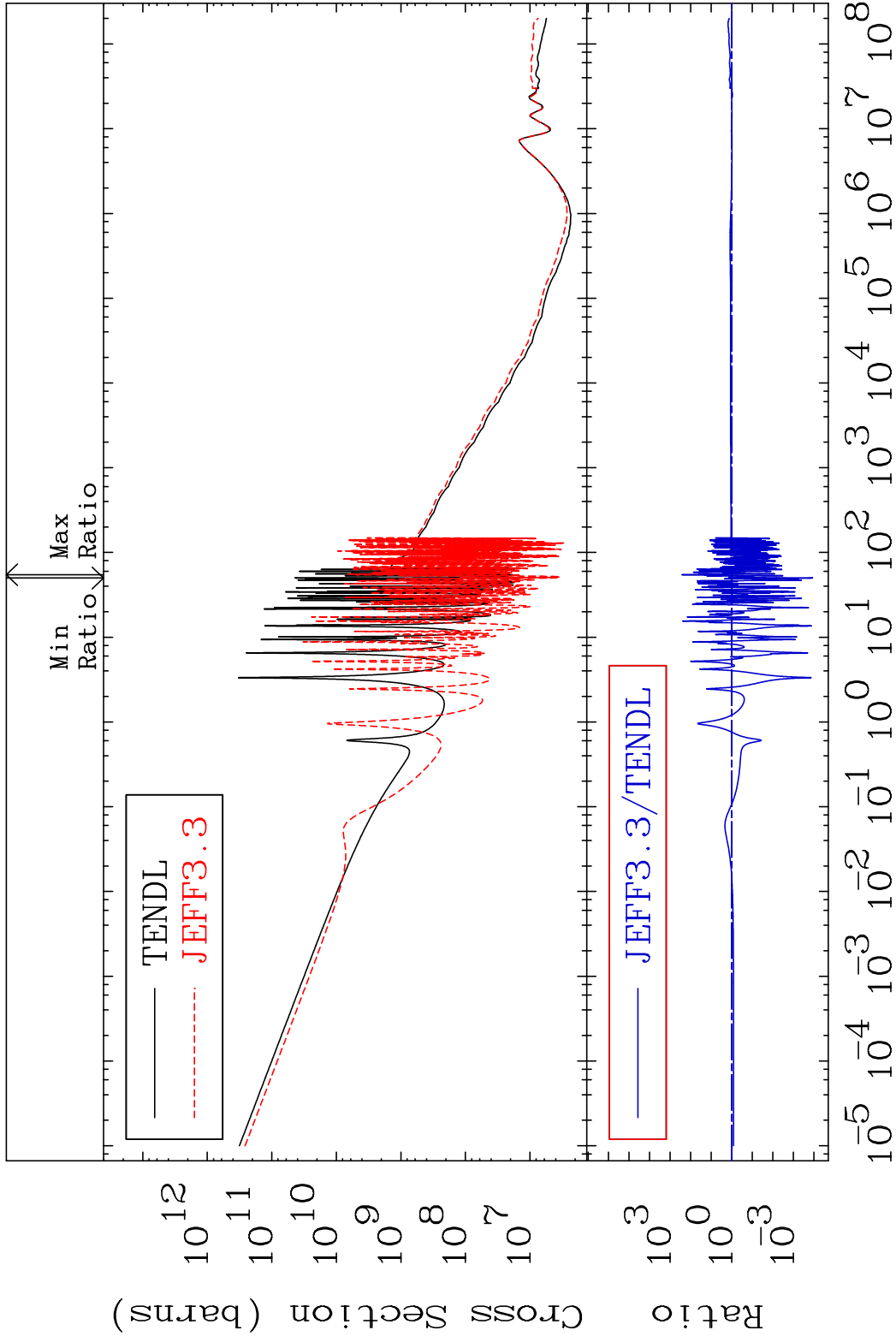
71-Lu-177

MAT 7131

Total photon (eV-barns)

71-Lu-177

Cross Section -99.99 To 9999. %

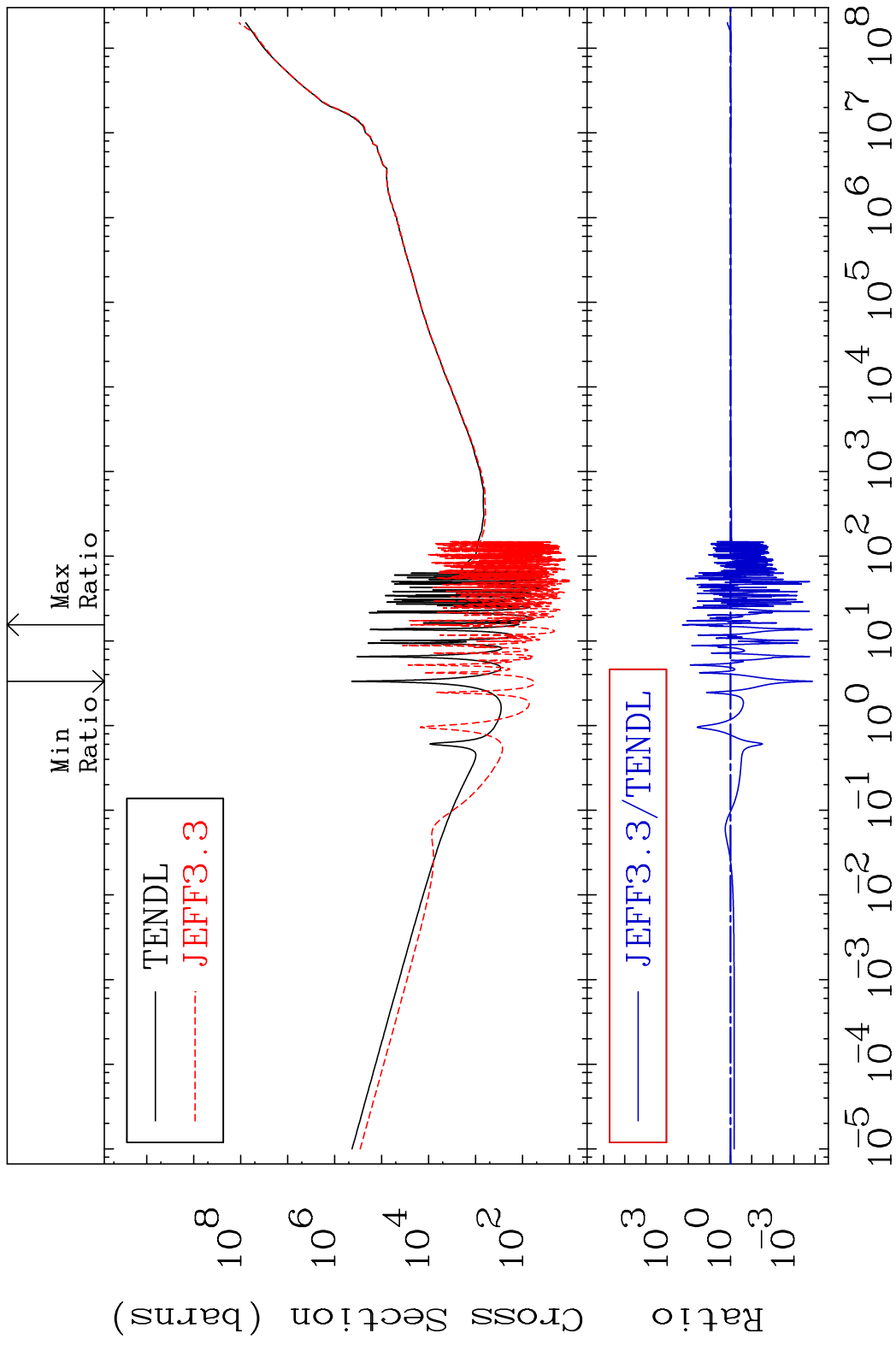


71

Incident Energy (eV)

71-Lu-177

MAT 7131 Total kinematic kerma (high limit) 71-Lu-177
 Cross Section -99.99 To 9999. %

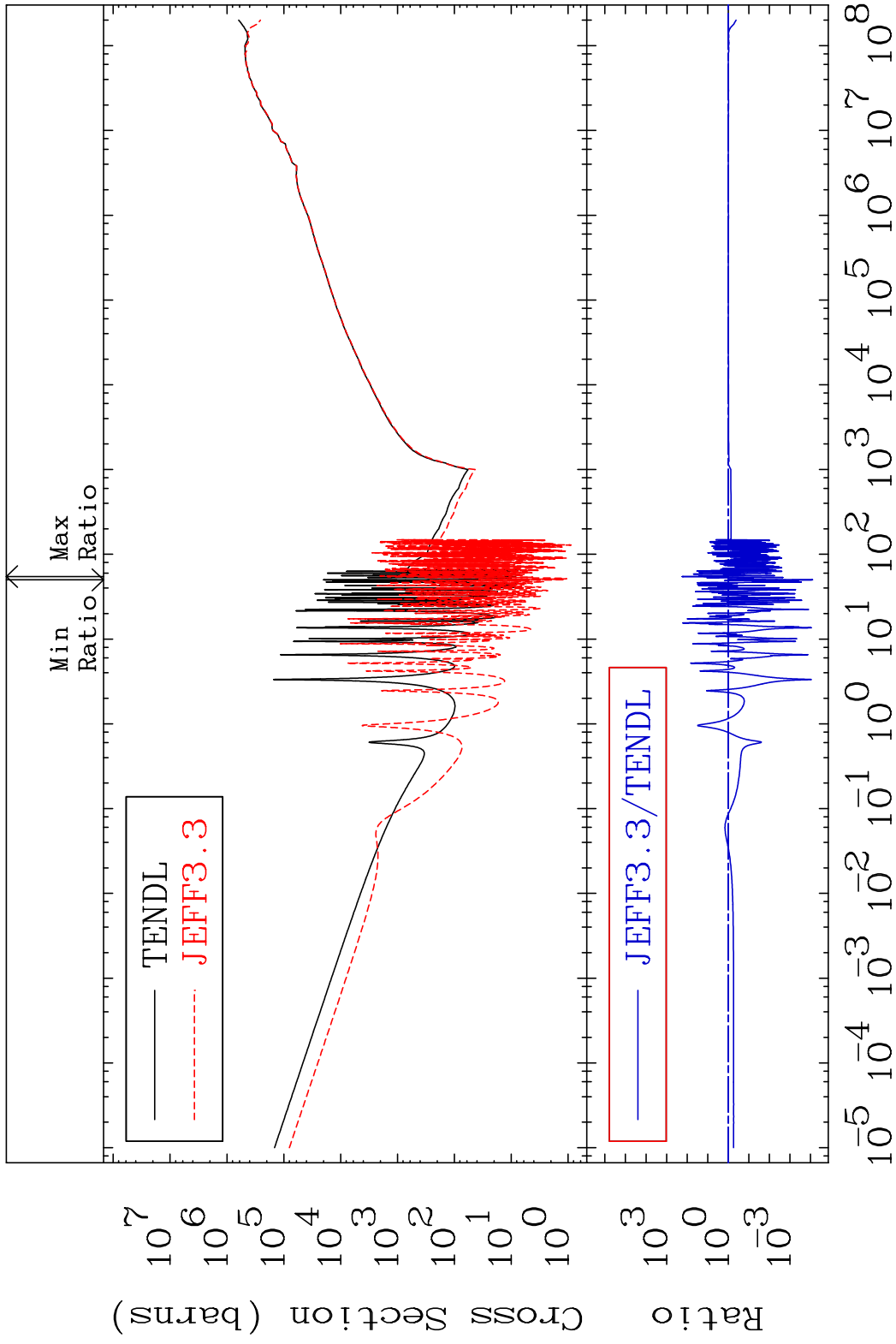


MAT 7131

Dpa total (eV-barns)

71-Lu-177

Cross Section -99.99 To 9999. %



73

Incident Energy (eV)

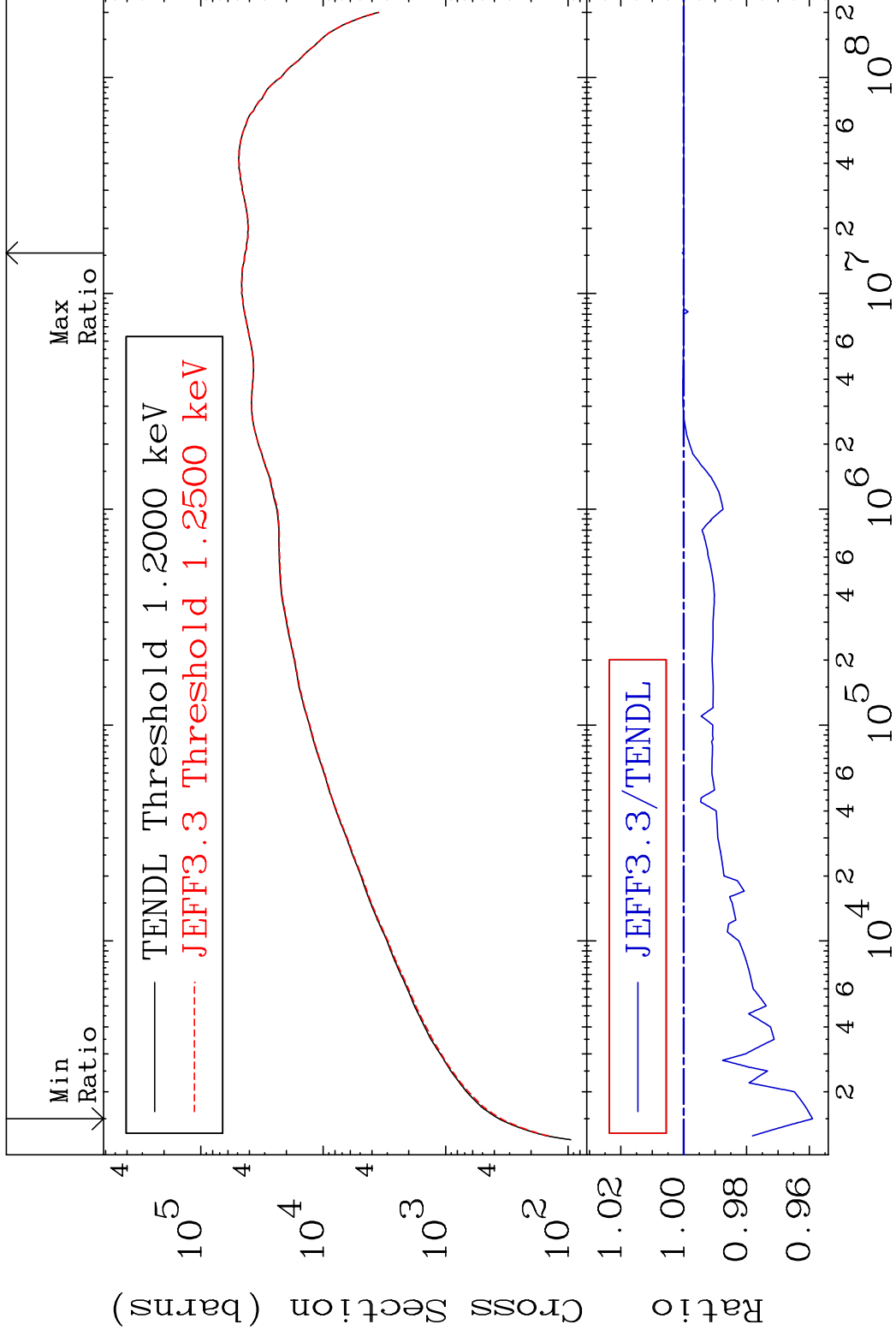
71-Lu-177

MAT 7131

Dpa elastic (mt2)

71-Lu-177

Cross Section -4.099 To 0.049 %

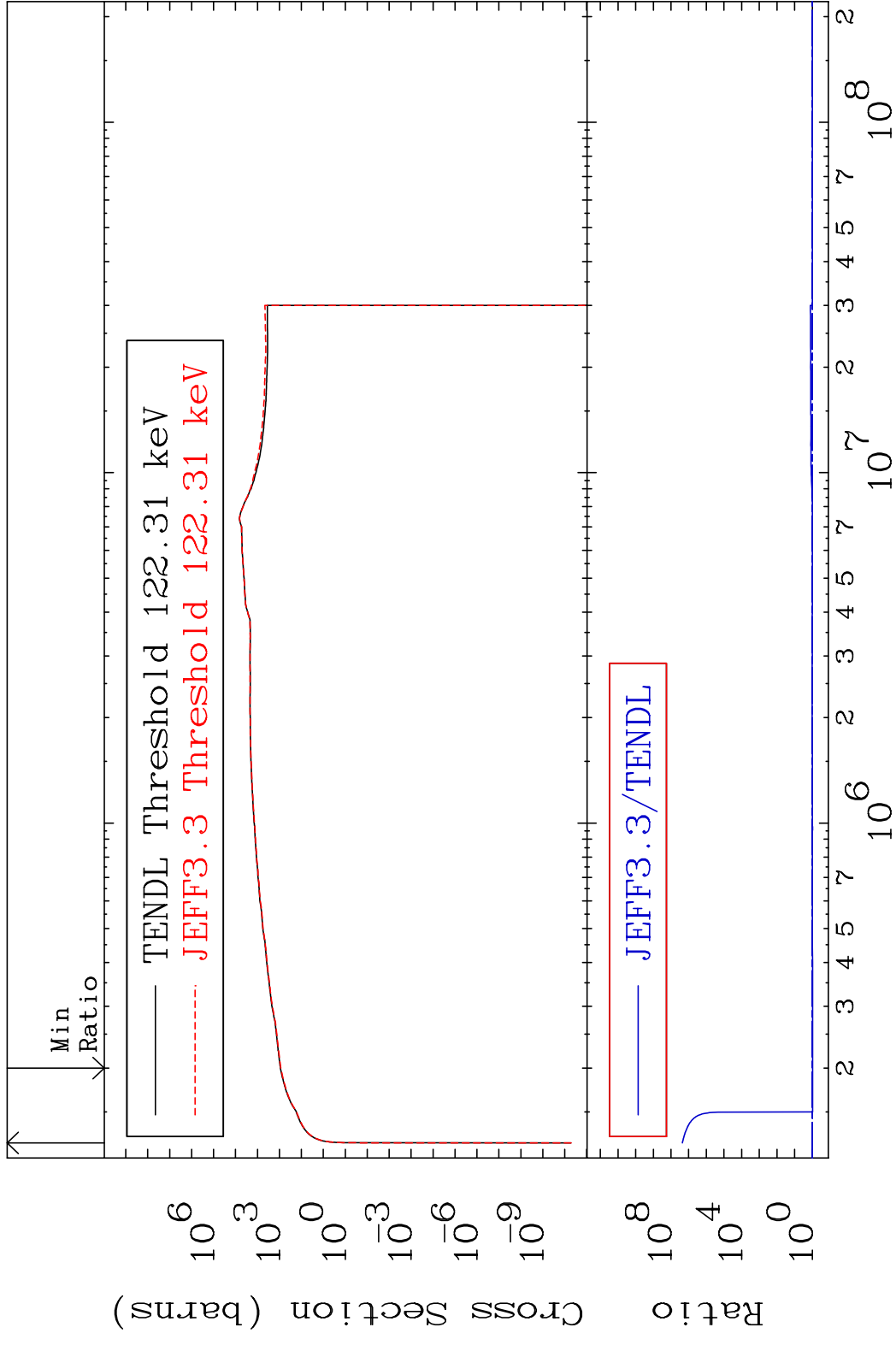


74

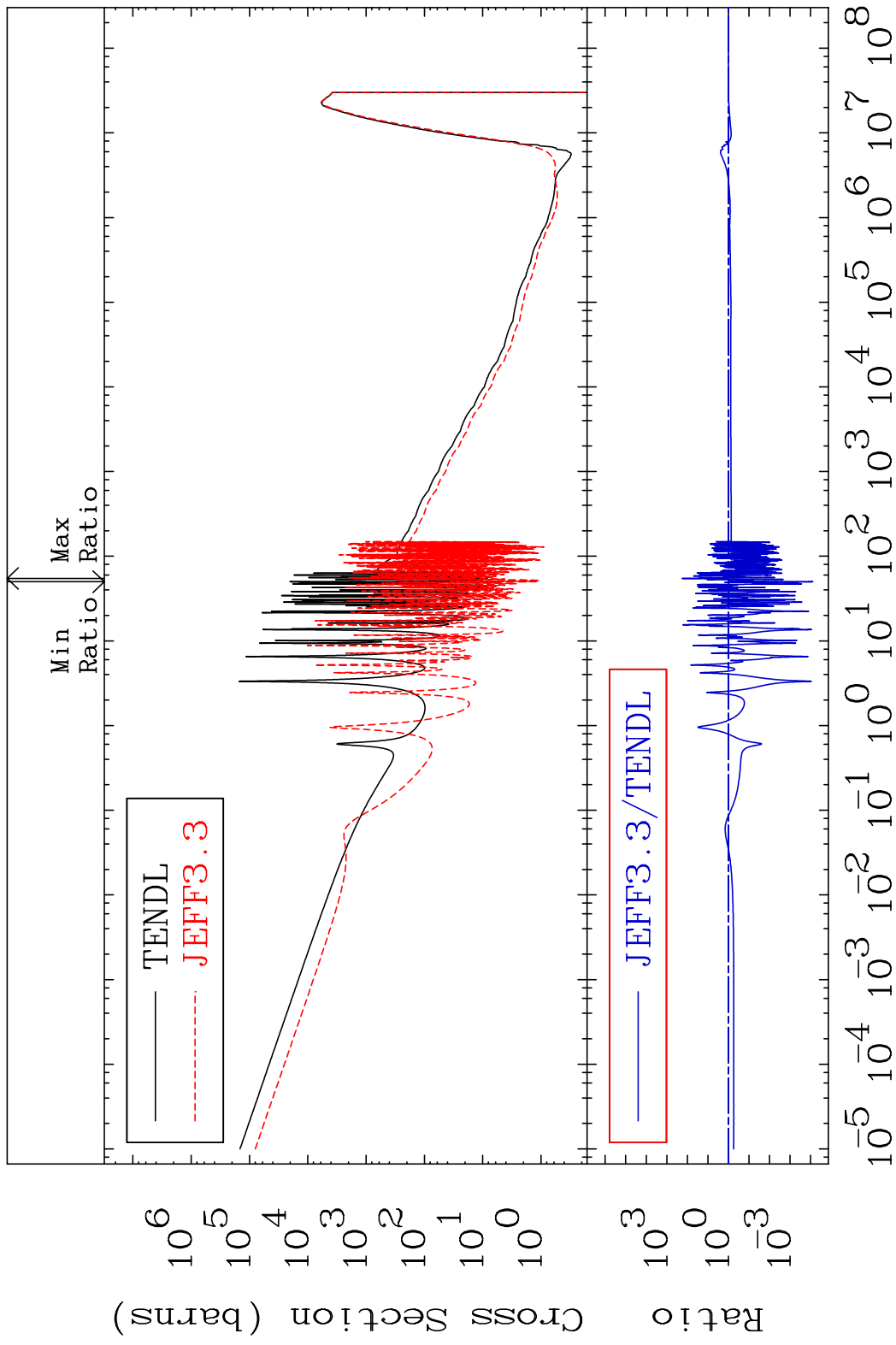
Incident Energy (eV)

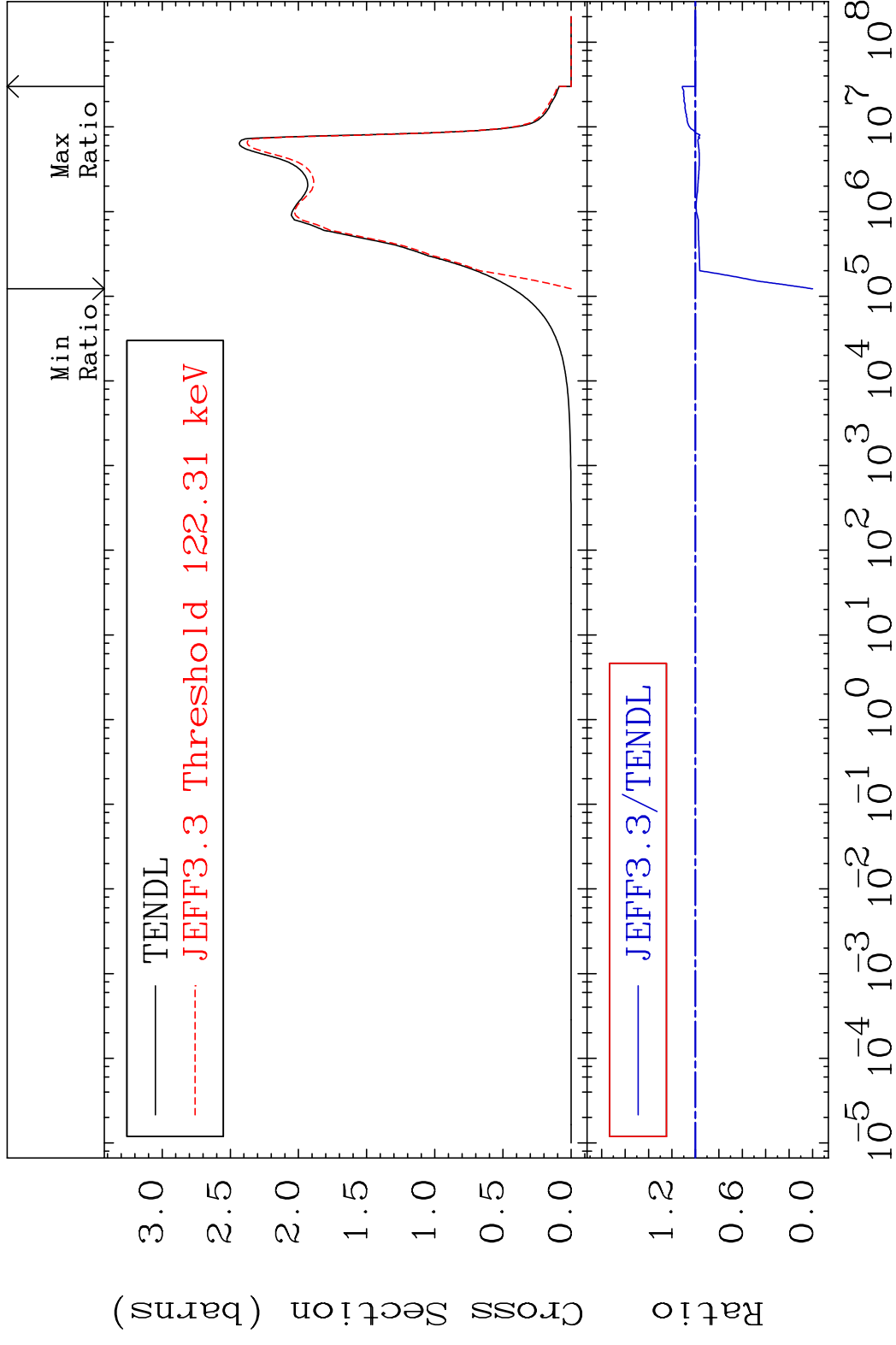
71-Lu-177

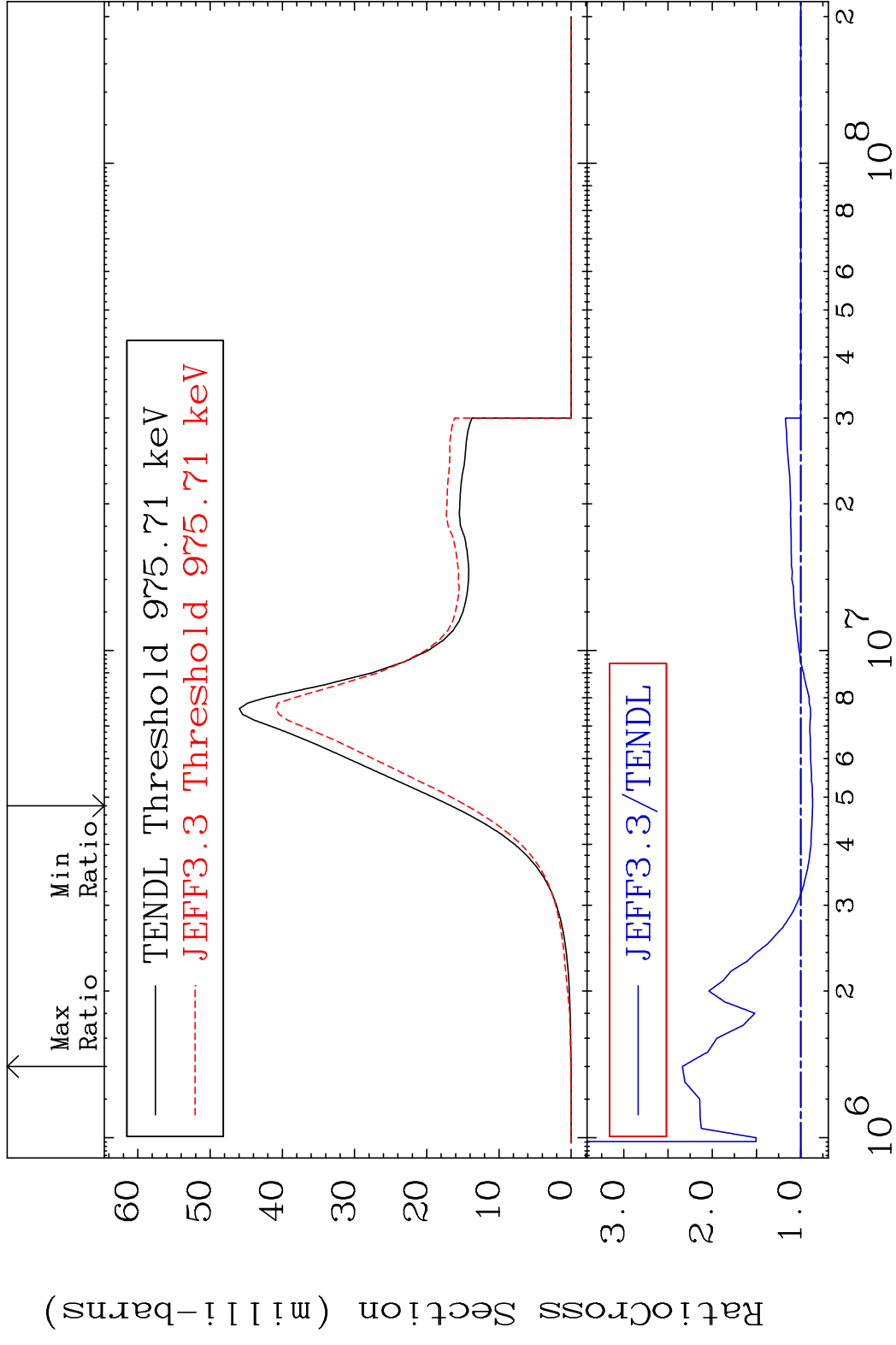
MAT 7131 Dpa inelastic (mt51-91) 71-Lu-177
 Cross Section -3.718 To 9999. %



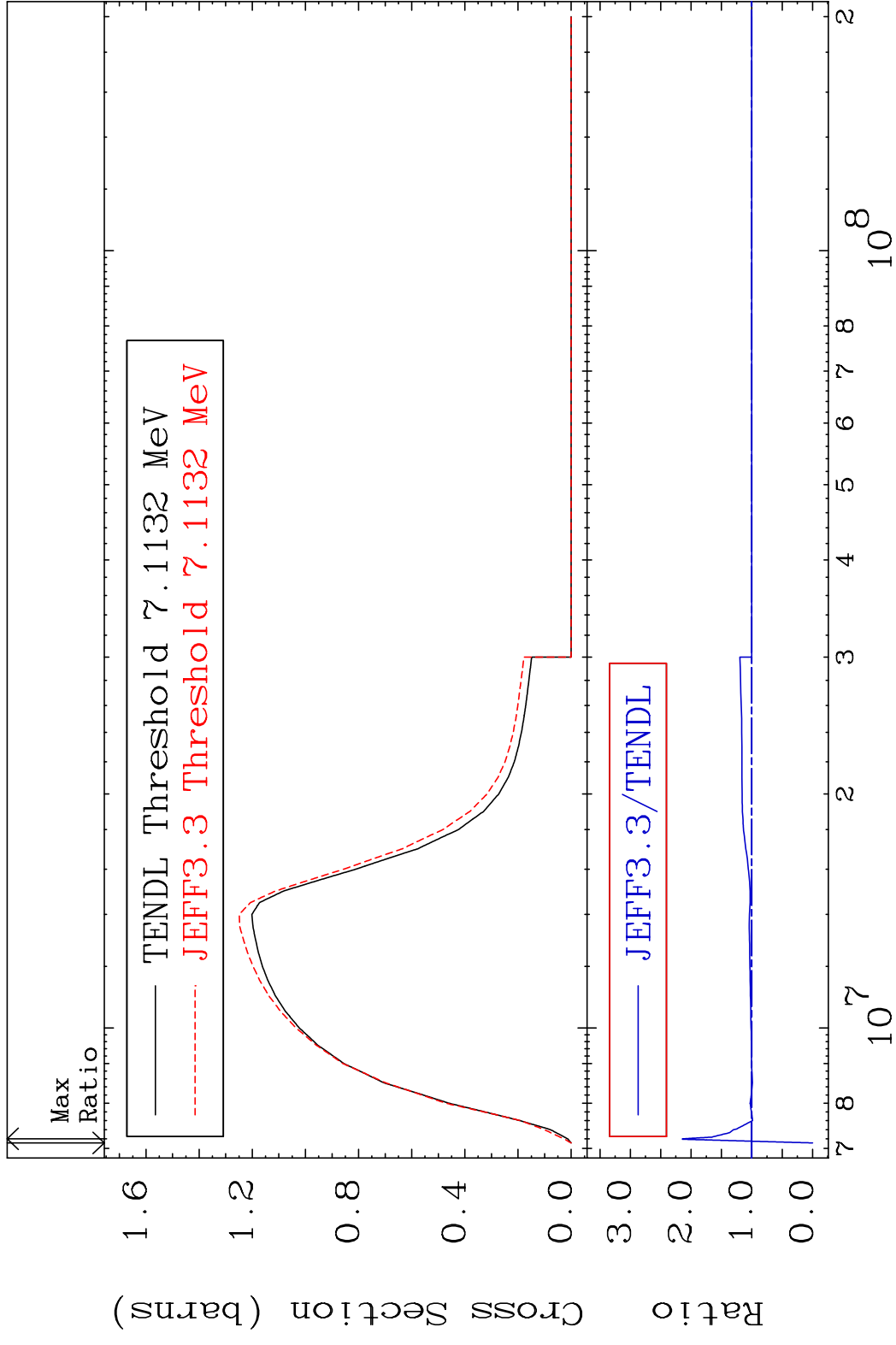
MAT 7131 Dpa disappearance (mt102 -120) 71-Lu-177
 Cross Section -99.99 To 9999. %





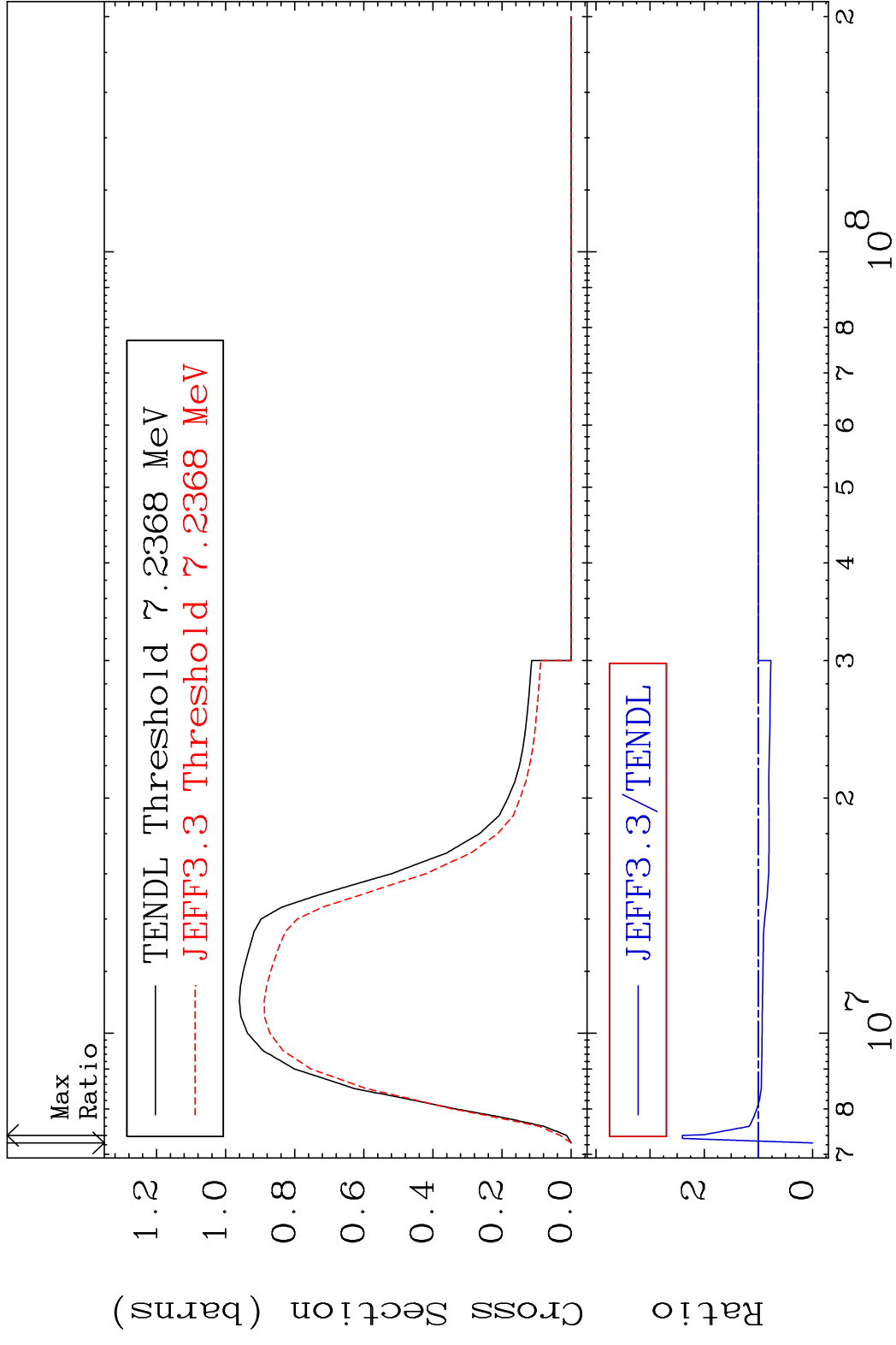


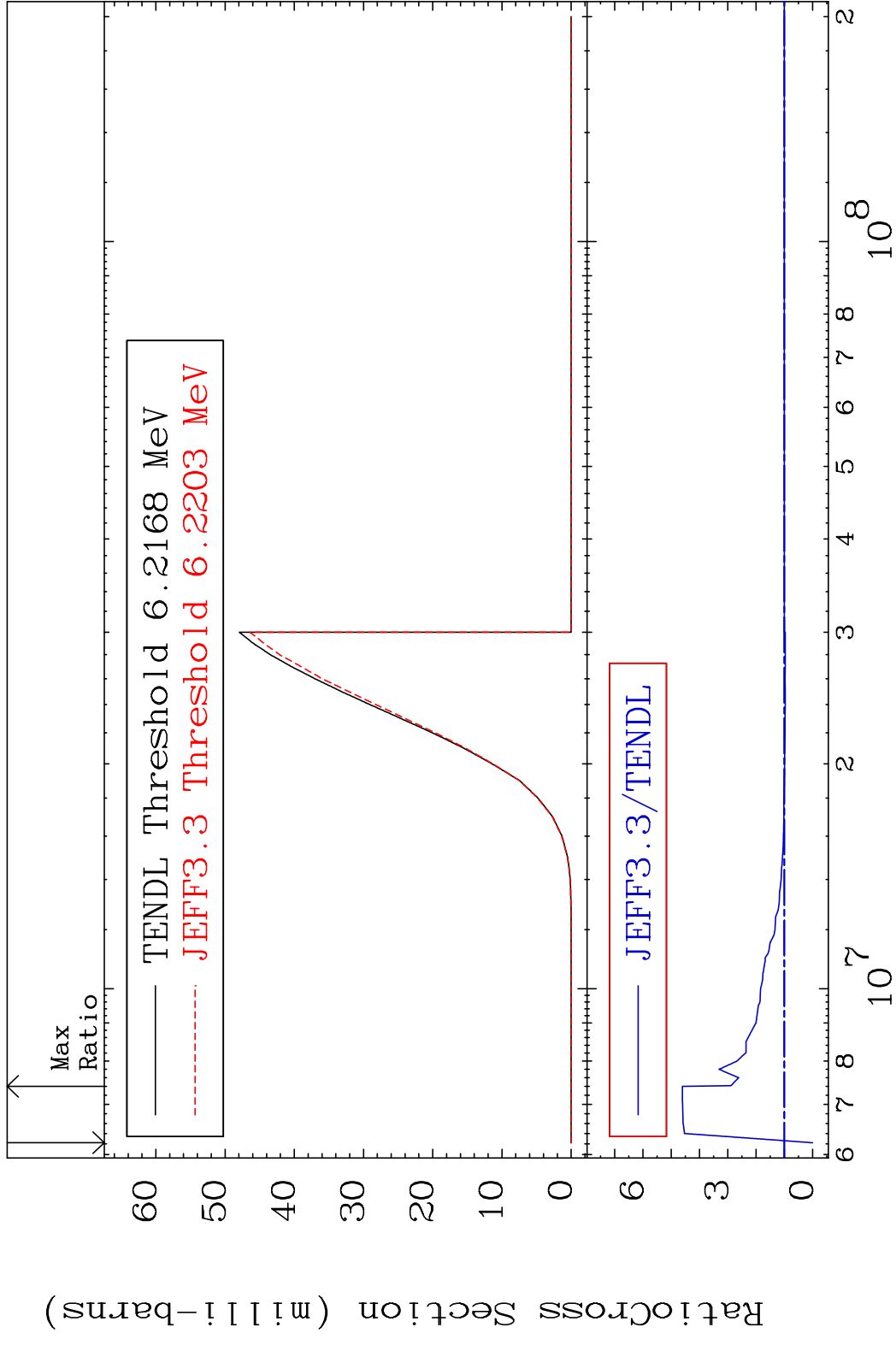
MAT 7131 (n,2n):71-Lu-176g 71-Lu-177
 Radionuclide Production Cross Section 180.0 dth 114.3 %

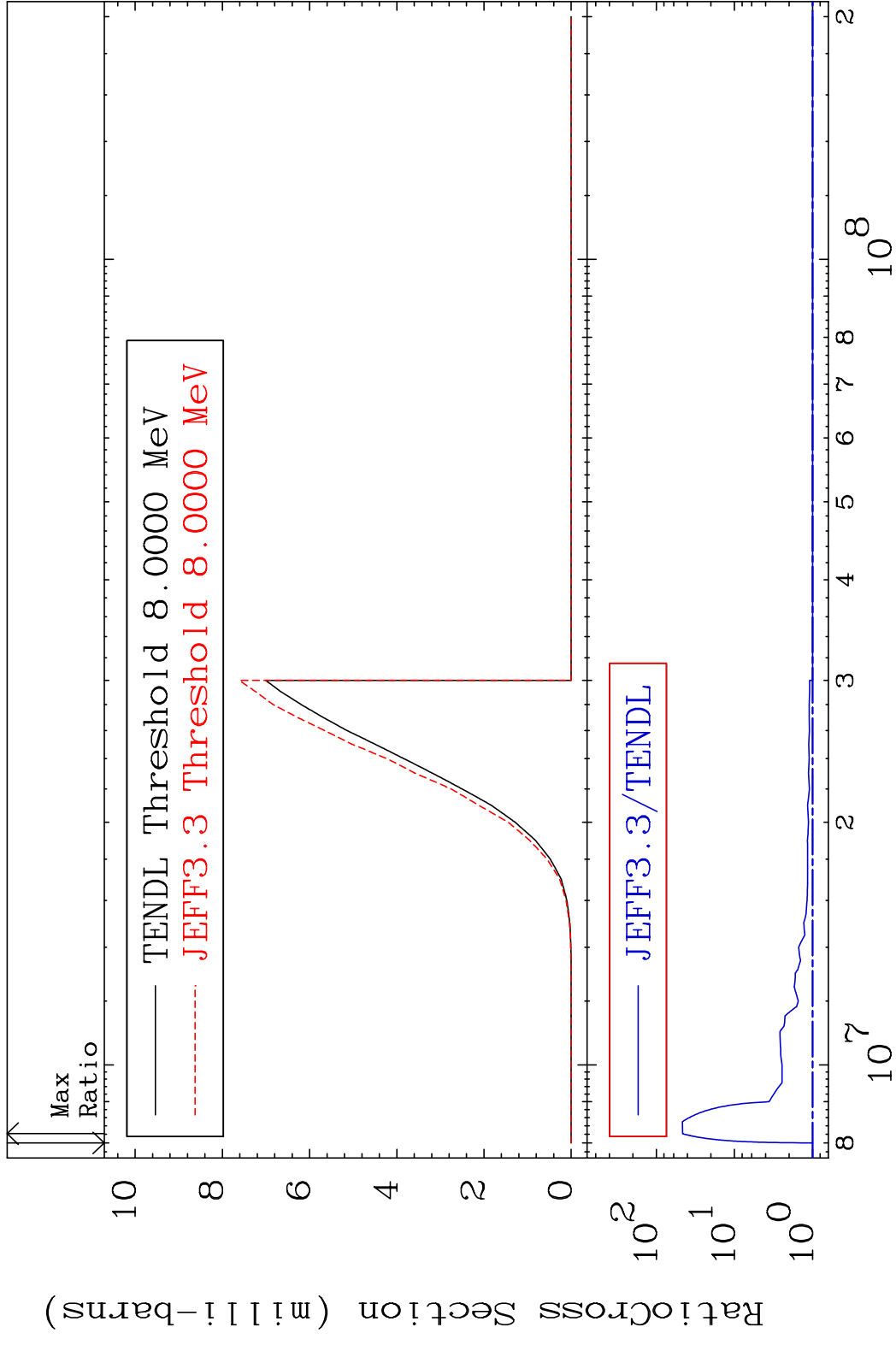


79 Incident Energy (eV) 71-Lu-177

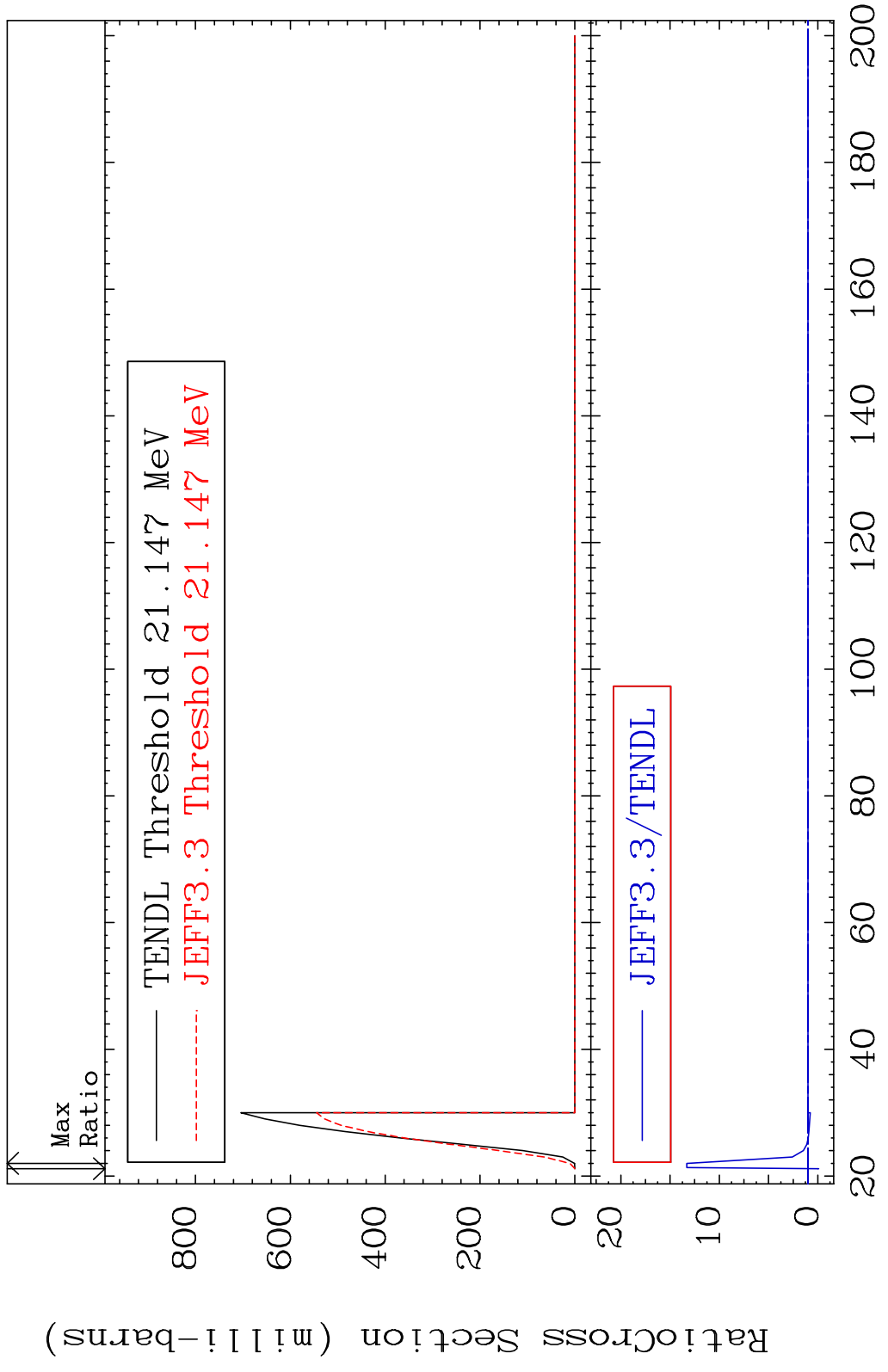
MAT 7131 (n,2n):71-Lu-176m1 71-Lu-177
 Radionuclide Production Cross Section 180.0 dth 140.3 %



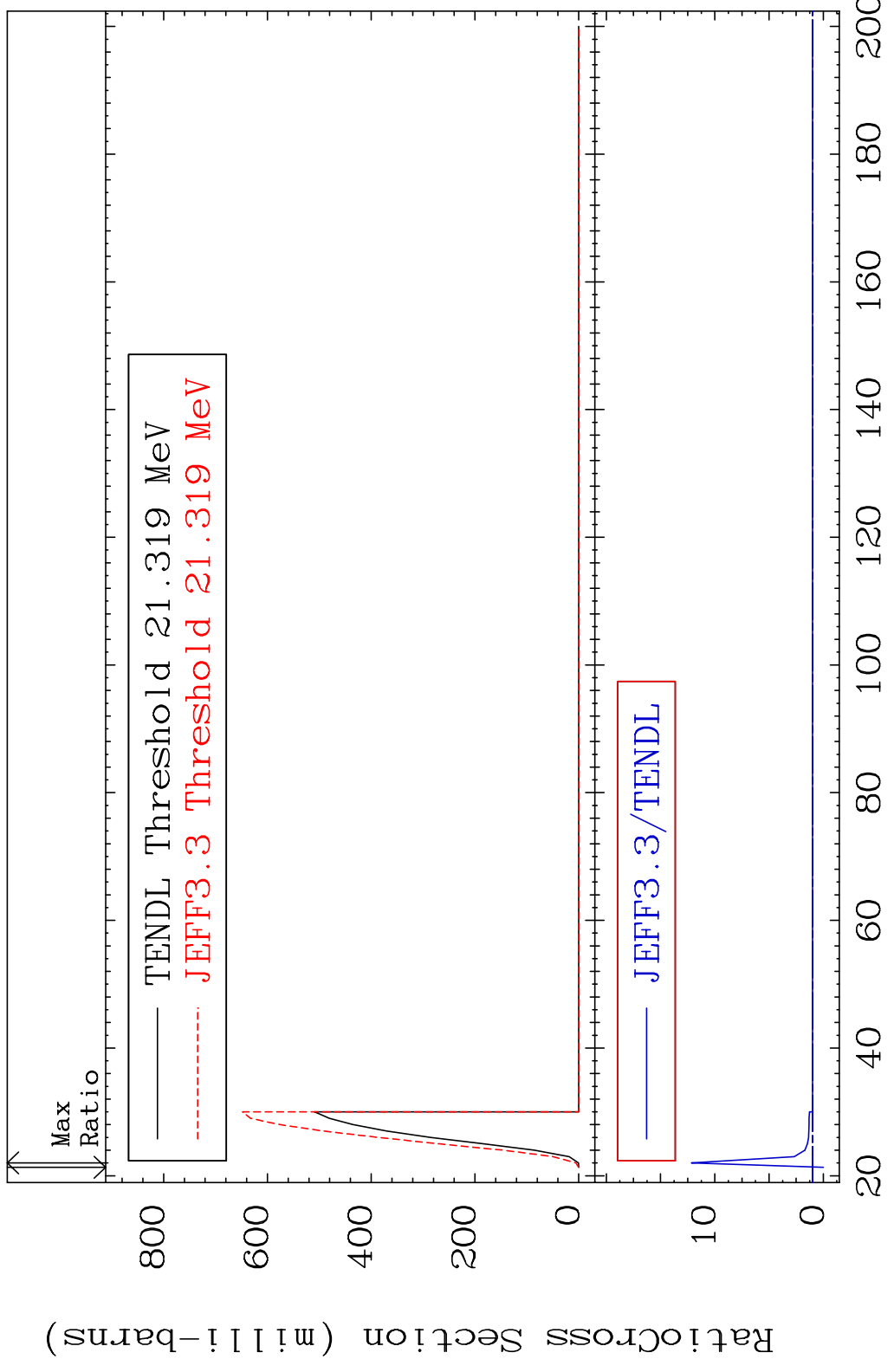




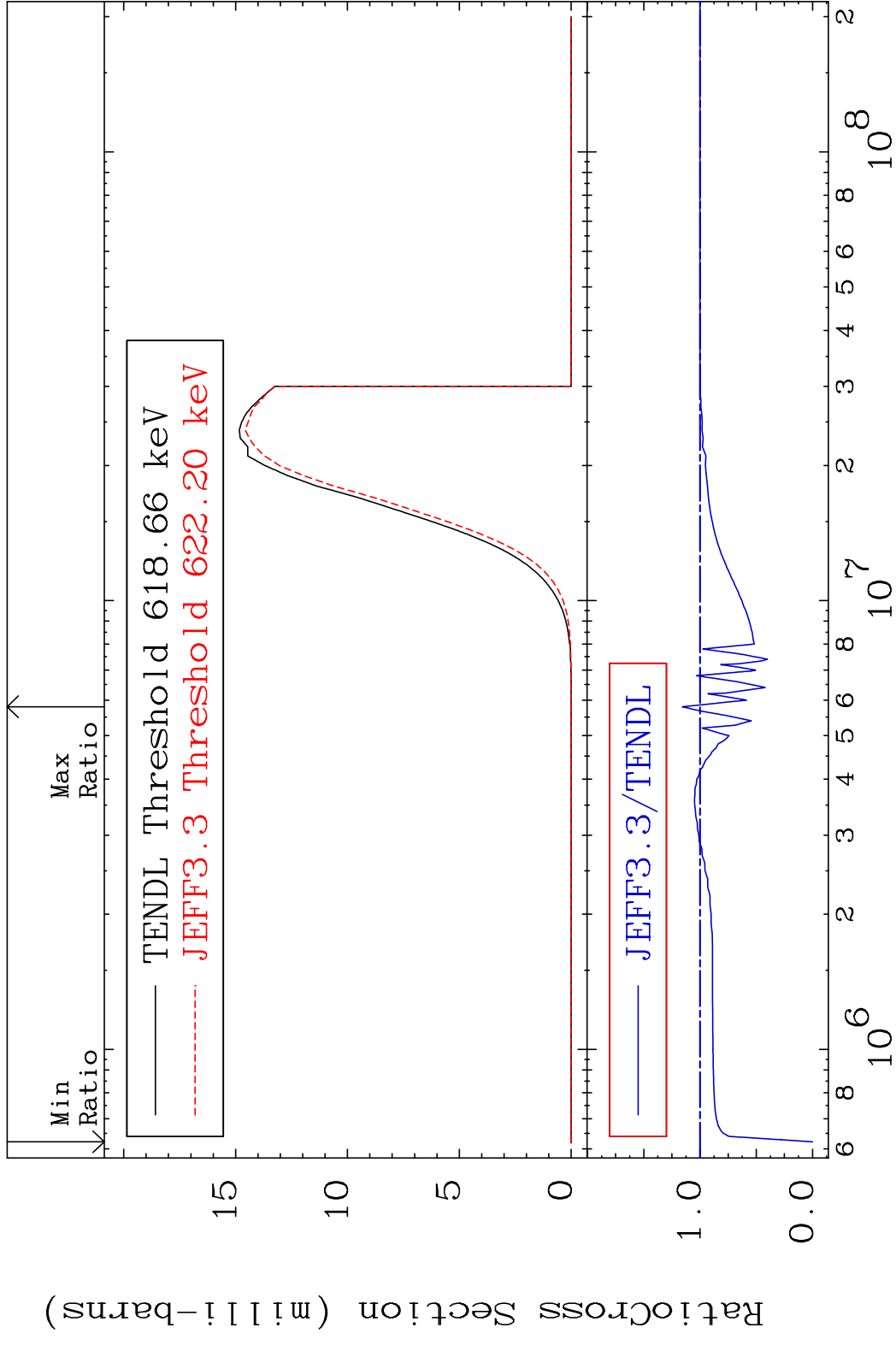
MAT 7131 (n,4n):71-Lu-174g 71-Lu-177
 Radionuclide Production Cross Section 180.01 dth 1231. %

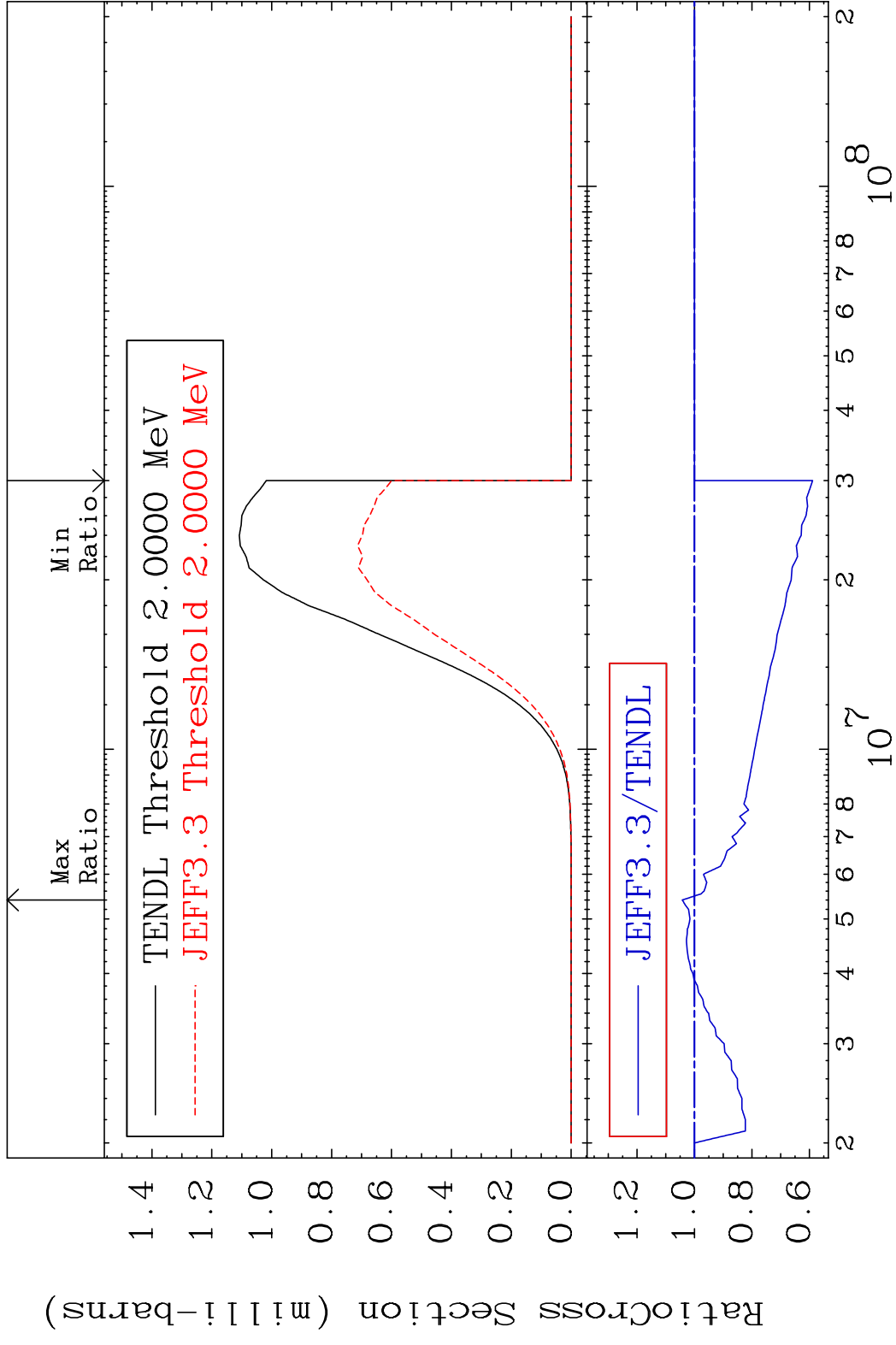


MAT 7131 (n, 4n): 71-Lu-174m3 71-Lu-177
 Radionuclide Production Cross Section 180.0 dth 1116. %



MAT 7131 (n,p):70-Yb-177g 71-Lu-177
 Radionuclide Production Cross Section 15.70 %





MAT 7131 (n,d):70-Yb-176g 71-Lu-177
 Radionuclide Production Cross Section Ratio 4.829 %

