

Program Complot
(Version 2021-1)

by

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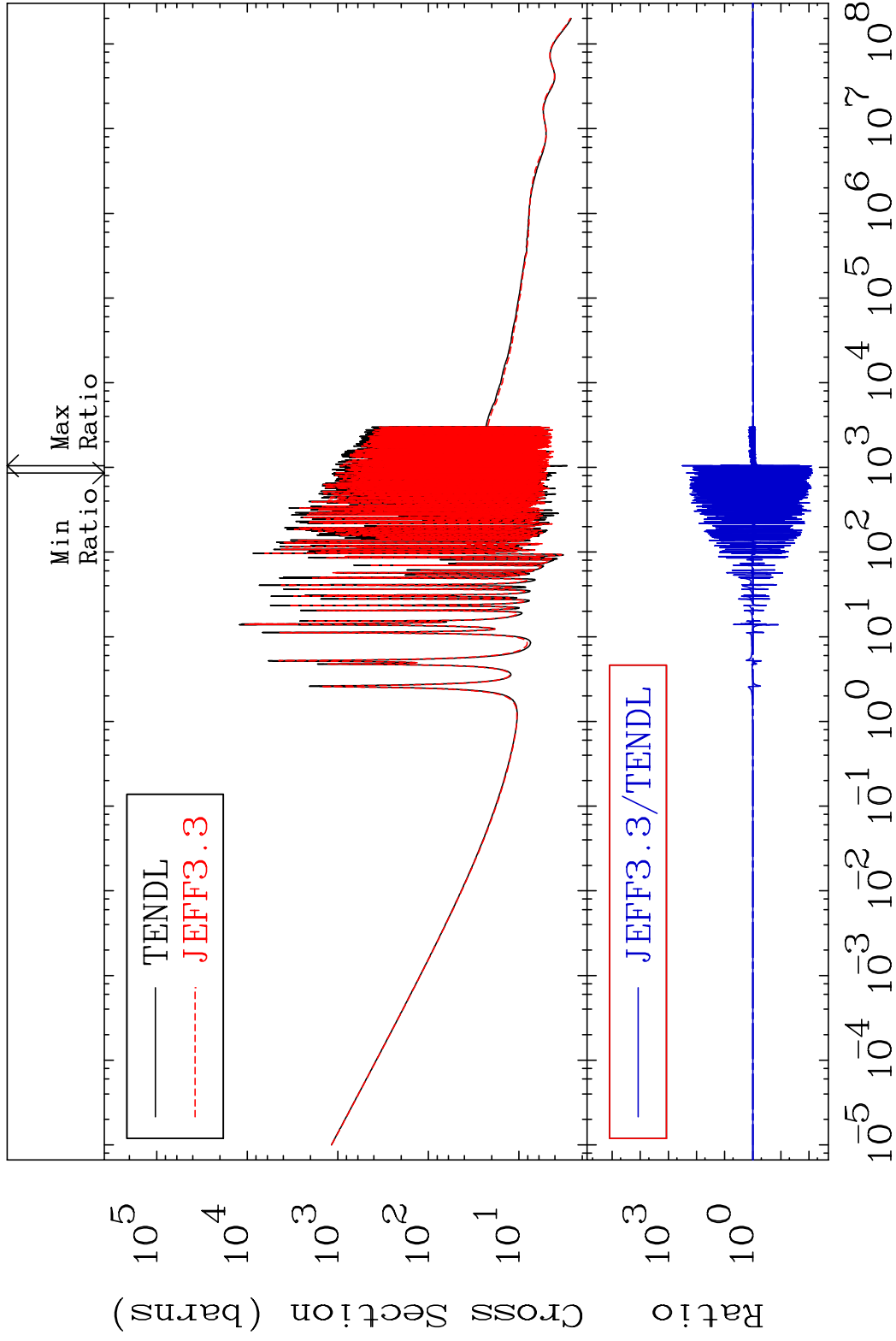
Press Mouse Button to Start

MAT 7125

Total

71-Lu-175

Cross Section -99.25 To 9999. %



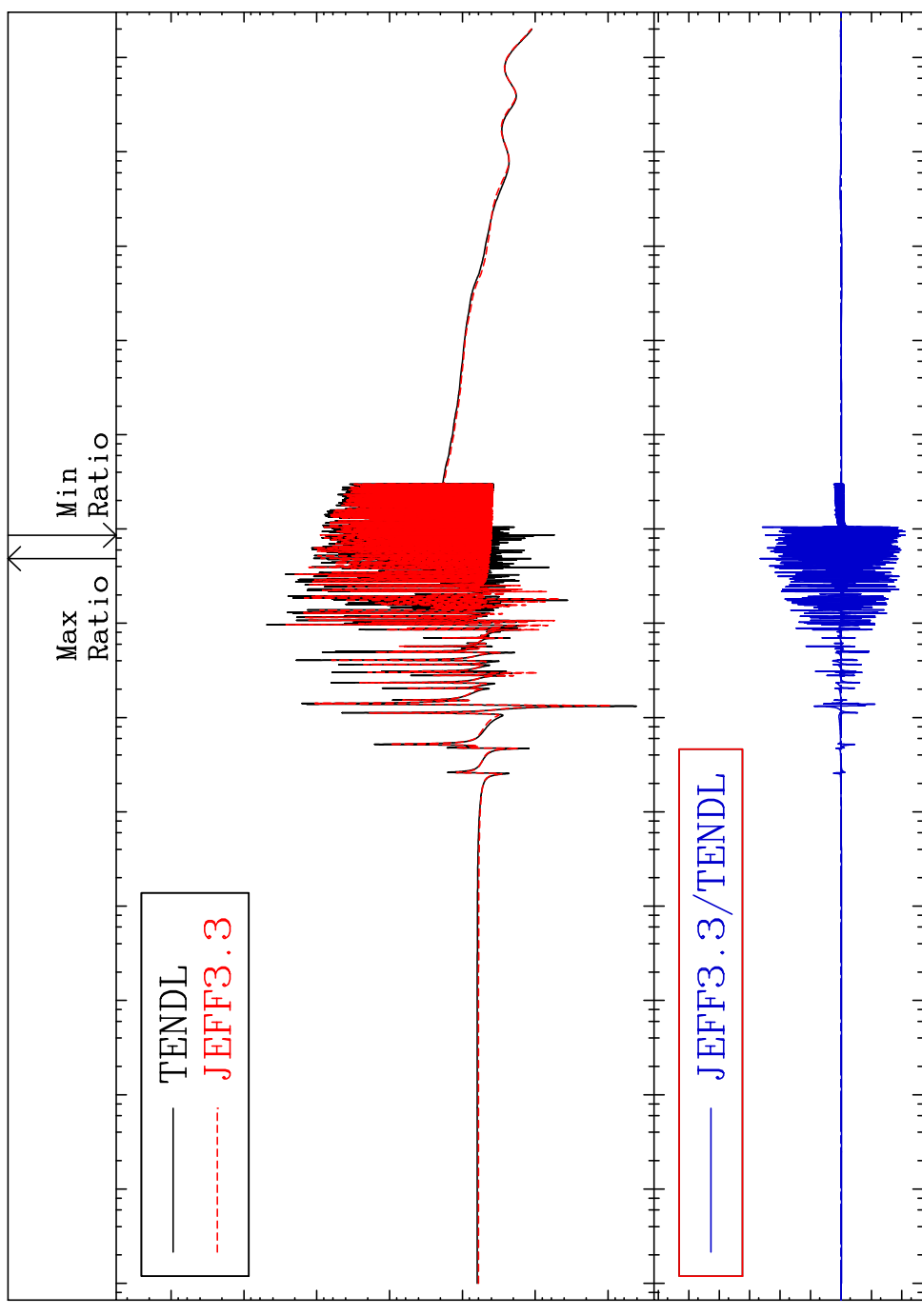
1

Incident Energy (eV)

71-Lu-175

MAT 7125

Elastic Cross Section -99.23 To 9999. %
71-Lu-175

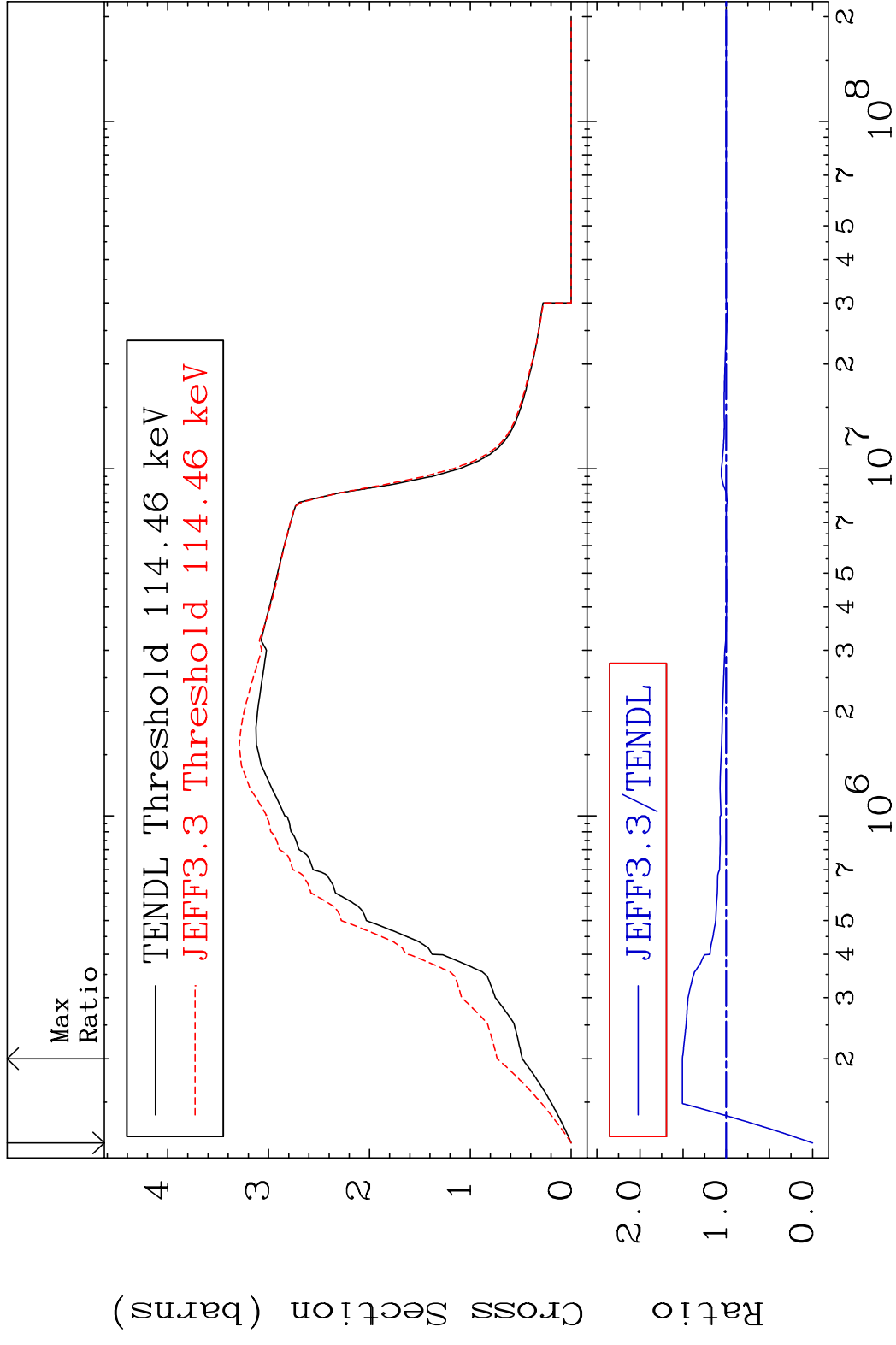


MAT 7125

Inelastic

71-Lu-175

Cross Section -100.0 To 50.91 %

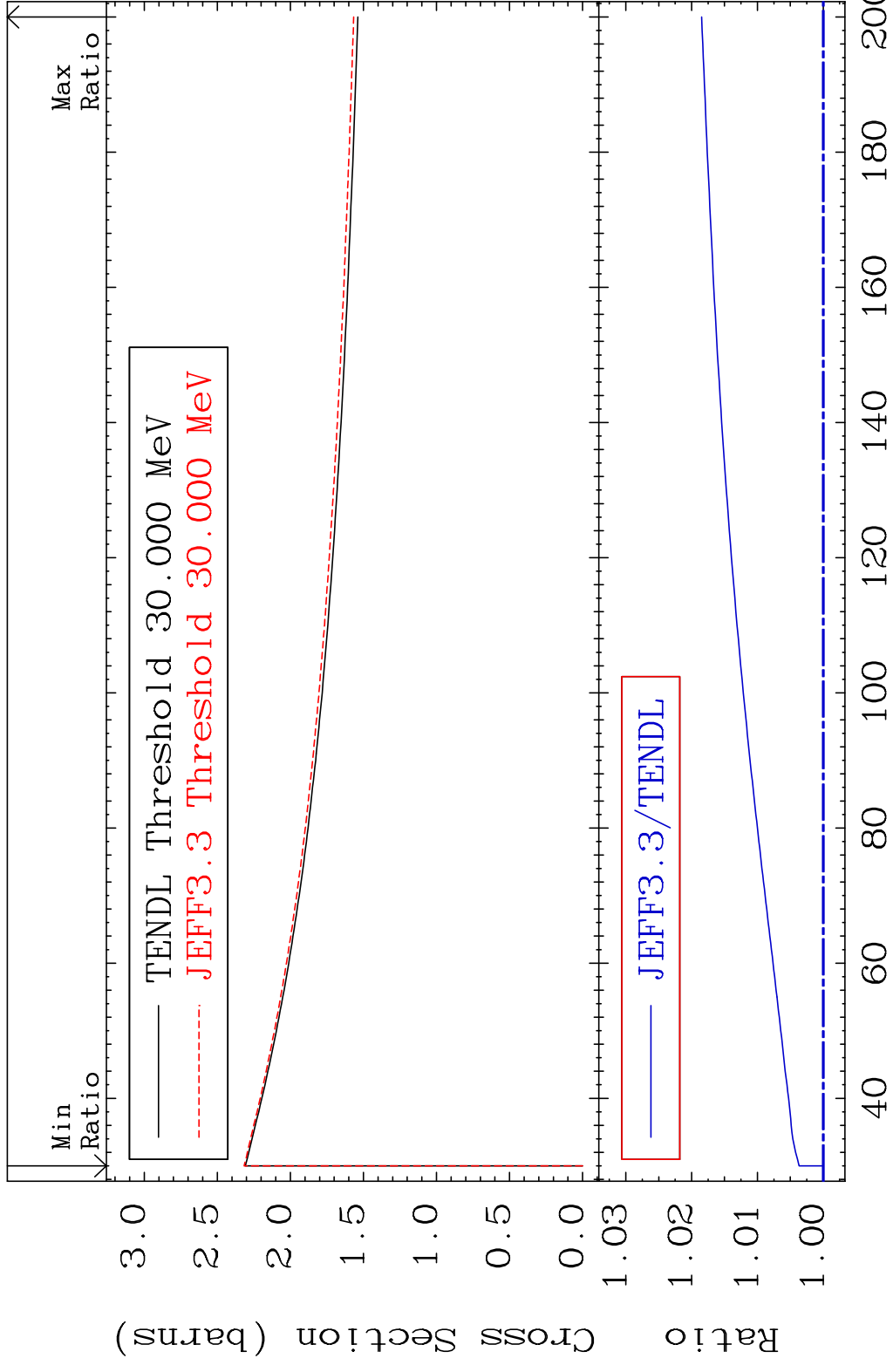


3

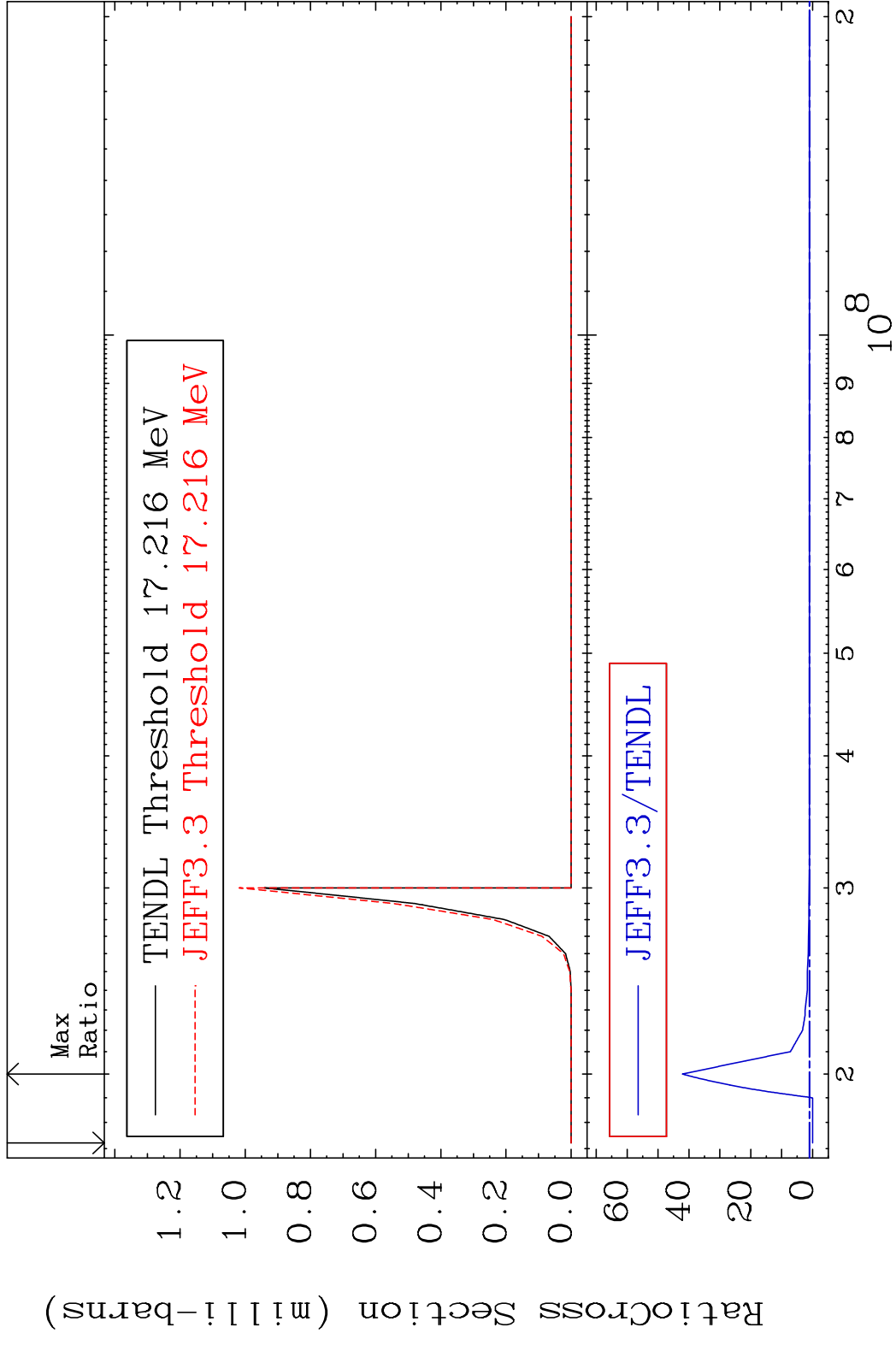
Incident Energy (eV)

71-Lu-175

MAT 7125 (n, remainder) 71-Lu-175
 Cross Section 0.000 To 1.848 %



MAT 7125 (n,2n) d 71-Lu-175
 Cross Section -100.0 To 4114. %

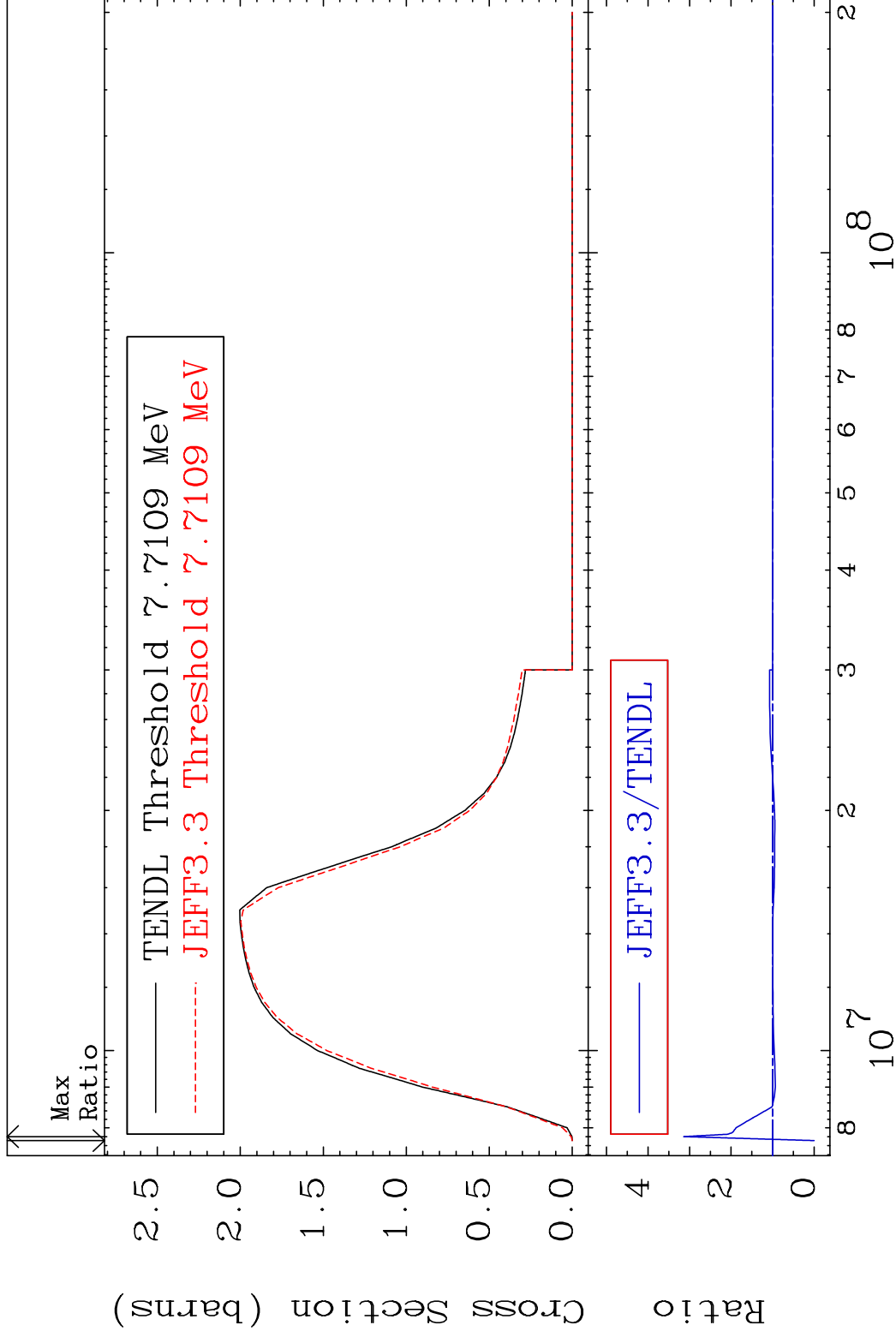


MAT 7125

(n,2n)

71-Lu-175

Cross Section -100.0 To 214.3 %



6

Incident Energy (eV)

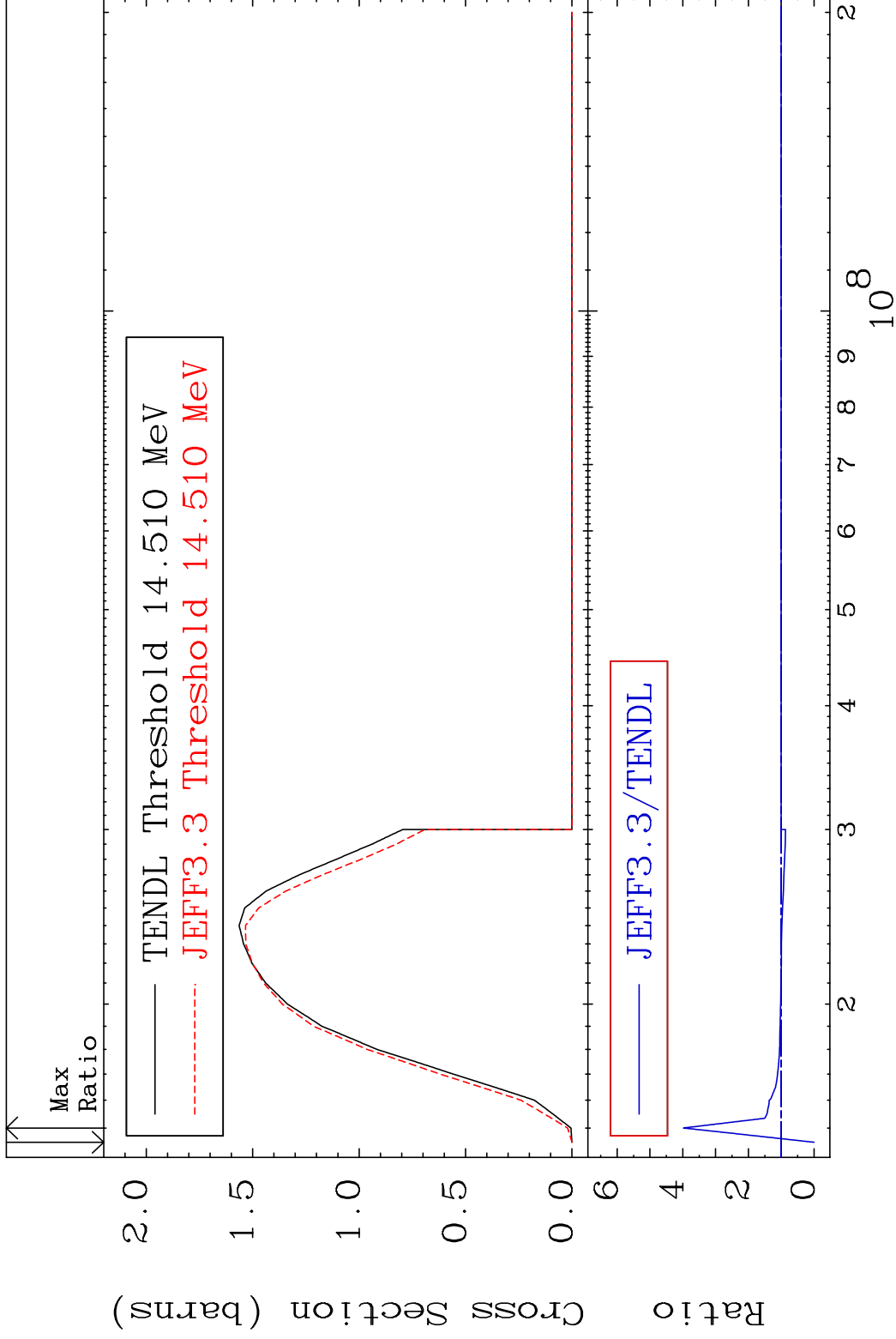
71-Lu-175

MAT 7125

(n,3n)

71-Lu-175

Cross Section -100.0 To 298.0 %



7

Incident Energy (eV)

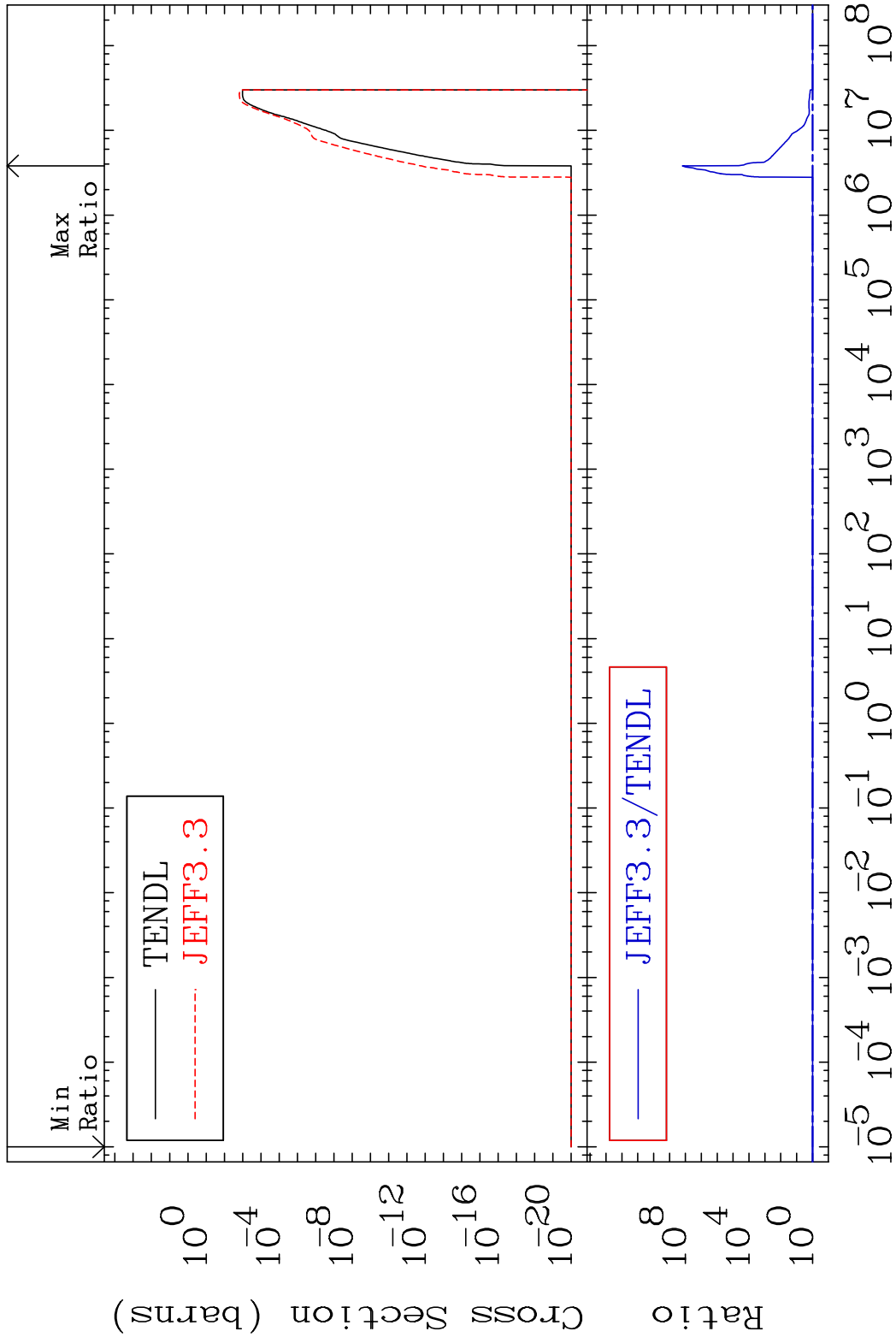
71-Lu-175

MAT 7125

(n, n') α

71-Lu-175

Cross Section 0.000 To 9999. %

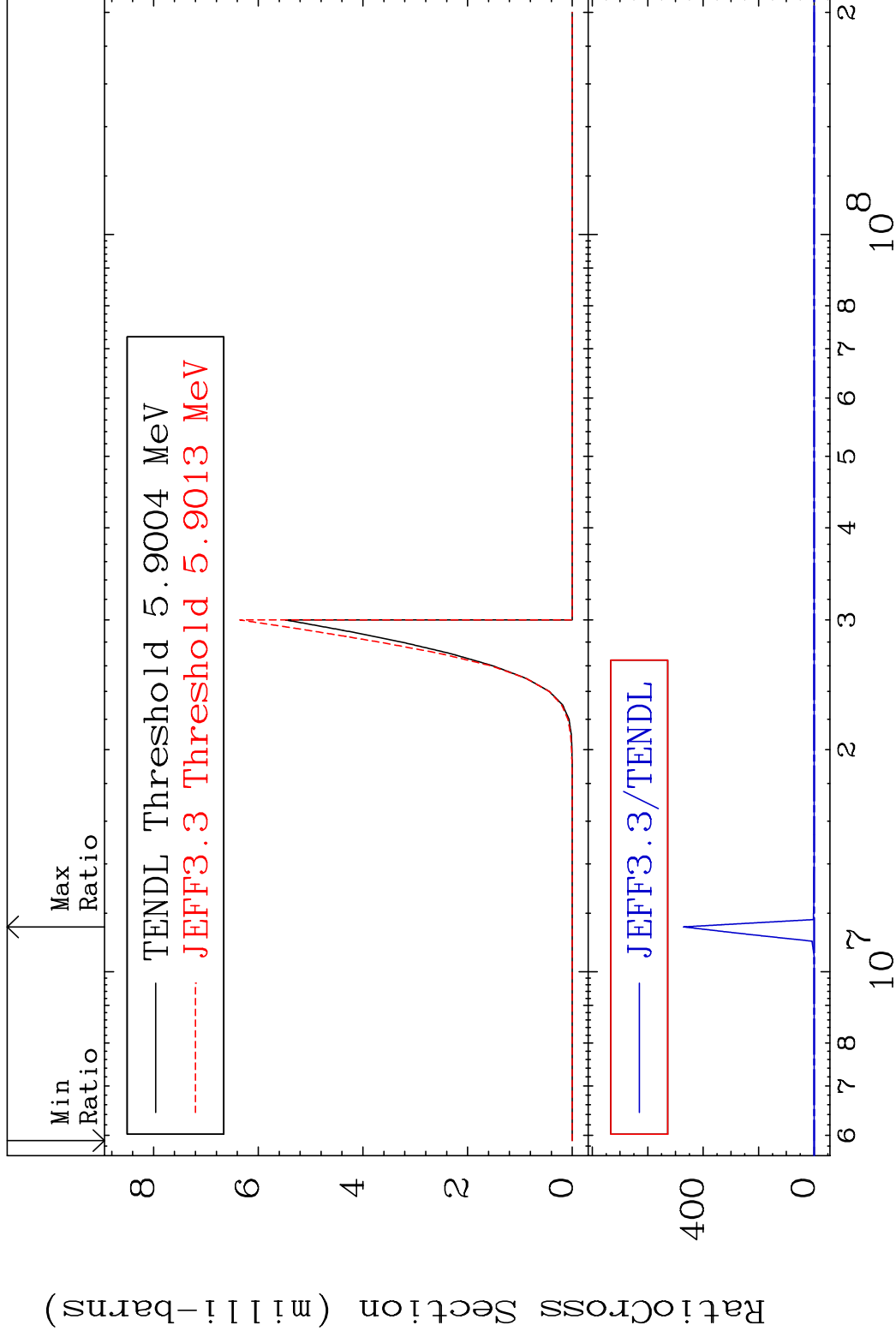


MAT 7125

(n,2n) α

71-Lu-175

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

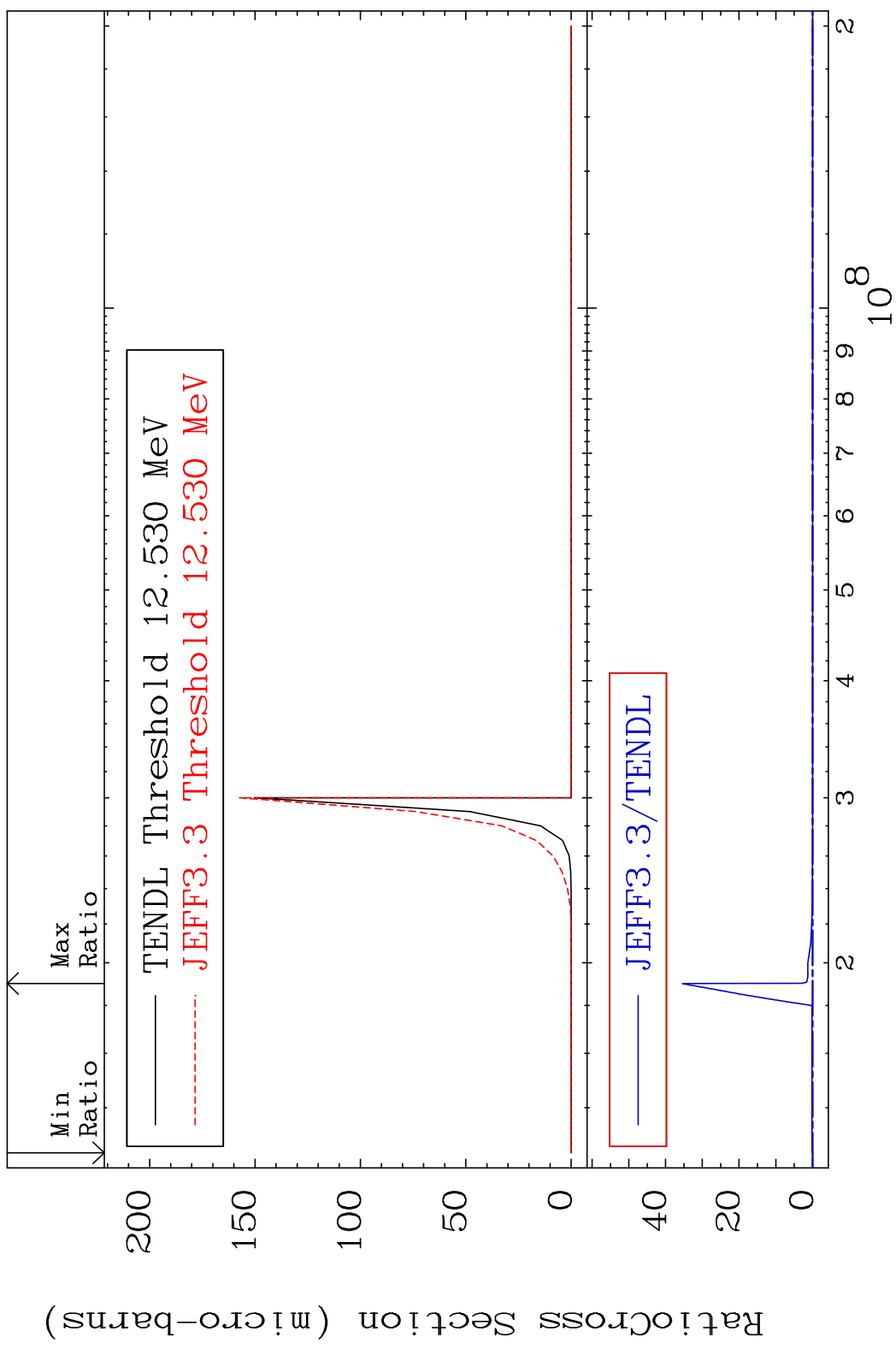
71-Lu-175

MAT 7125

(n,3n) α

71-Lu-175

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

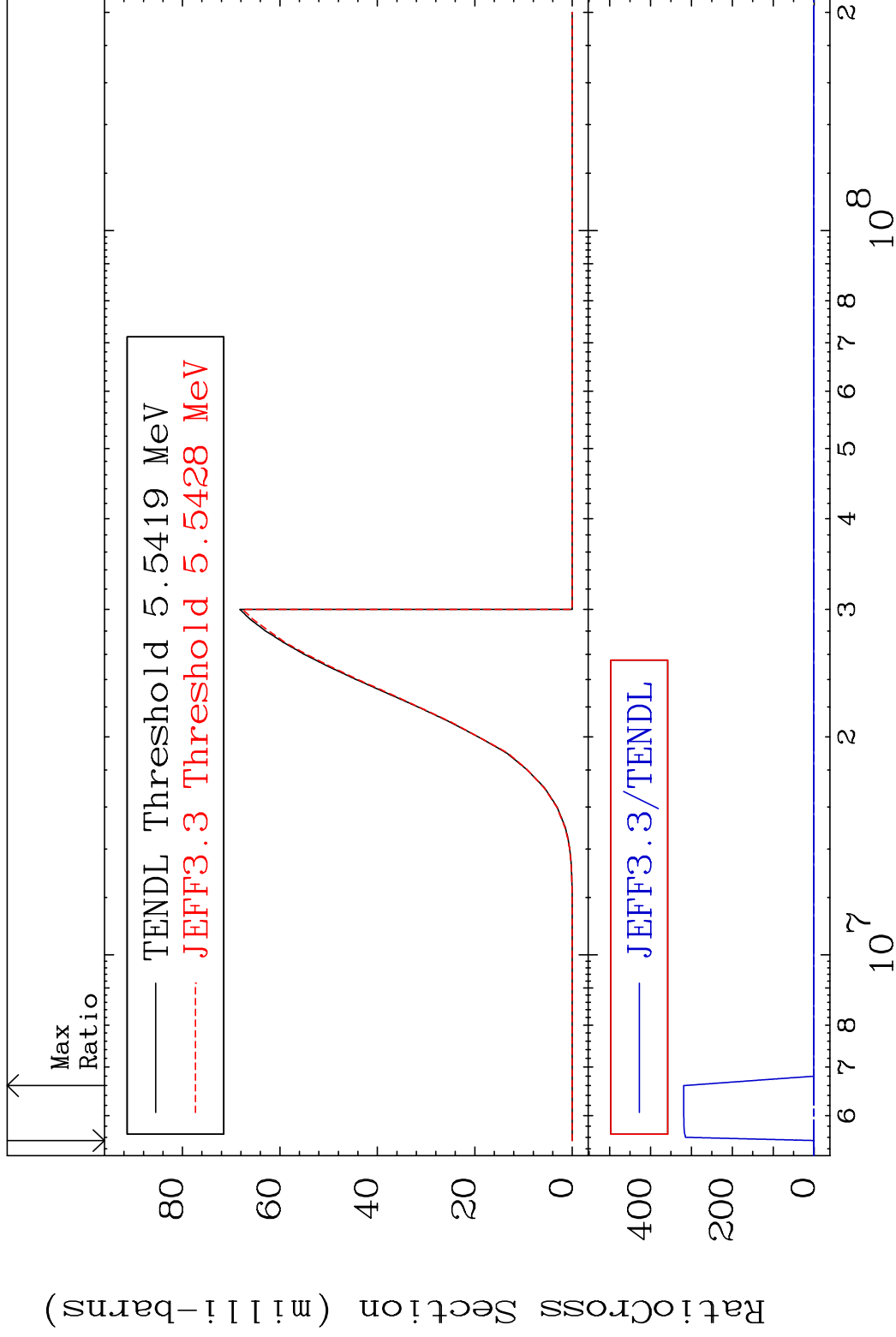
71-Lu-175

MAT 7125

(n, n') p

71-Lu-175

Cross Section -100.0 To 9999. %



11

Incident Energy (eV)

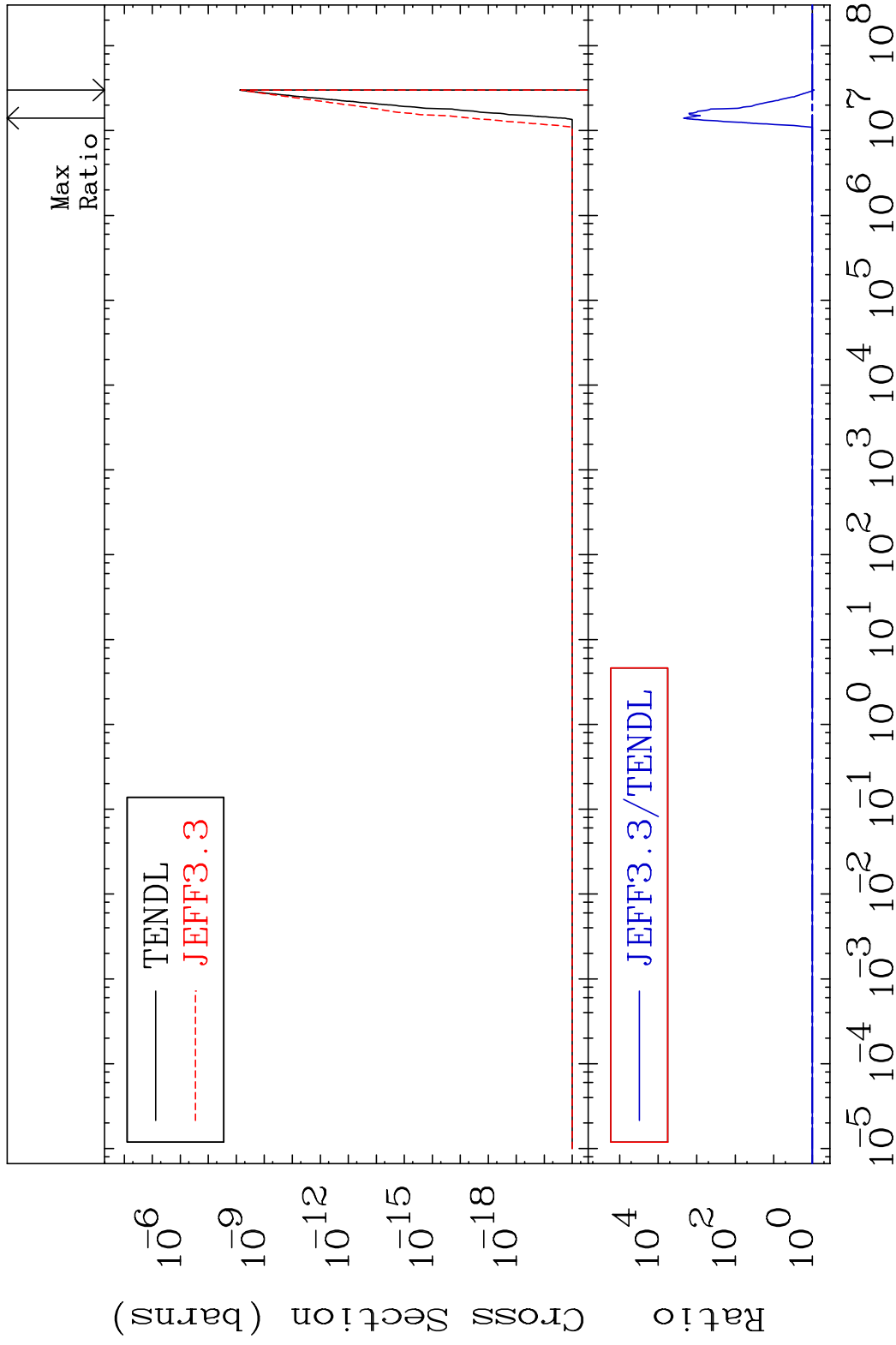
71-Lu-175

MAT 7125

(n, n') 2α

71-Lu-175

Cross Section -9.817 To 9999. %



12

Incident Energy (eV)

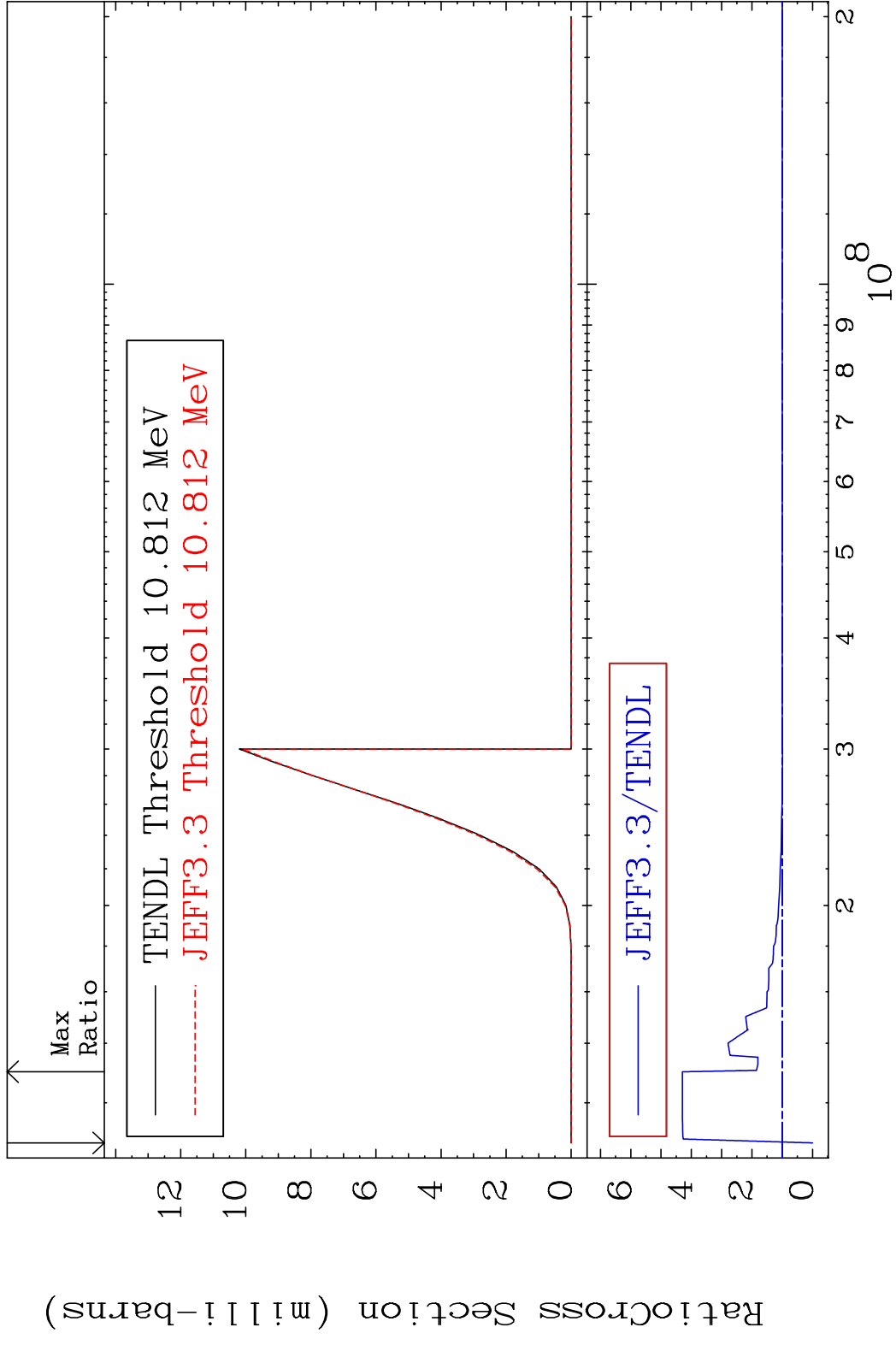
71-Lu-175

MAT 7125

(n, n') d

71-Lu-175

Cross Section -100.0 To 329.7 %

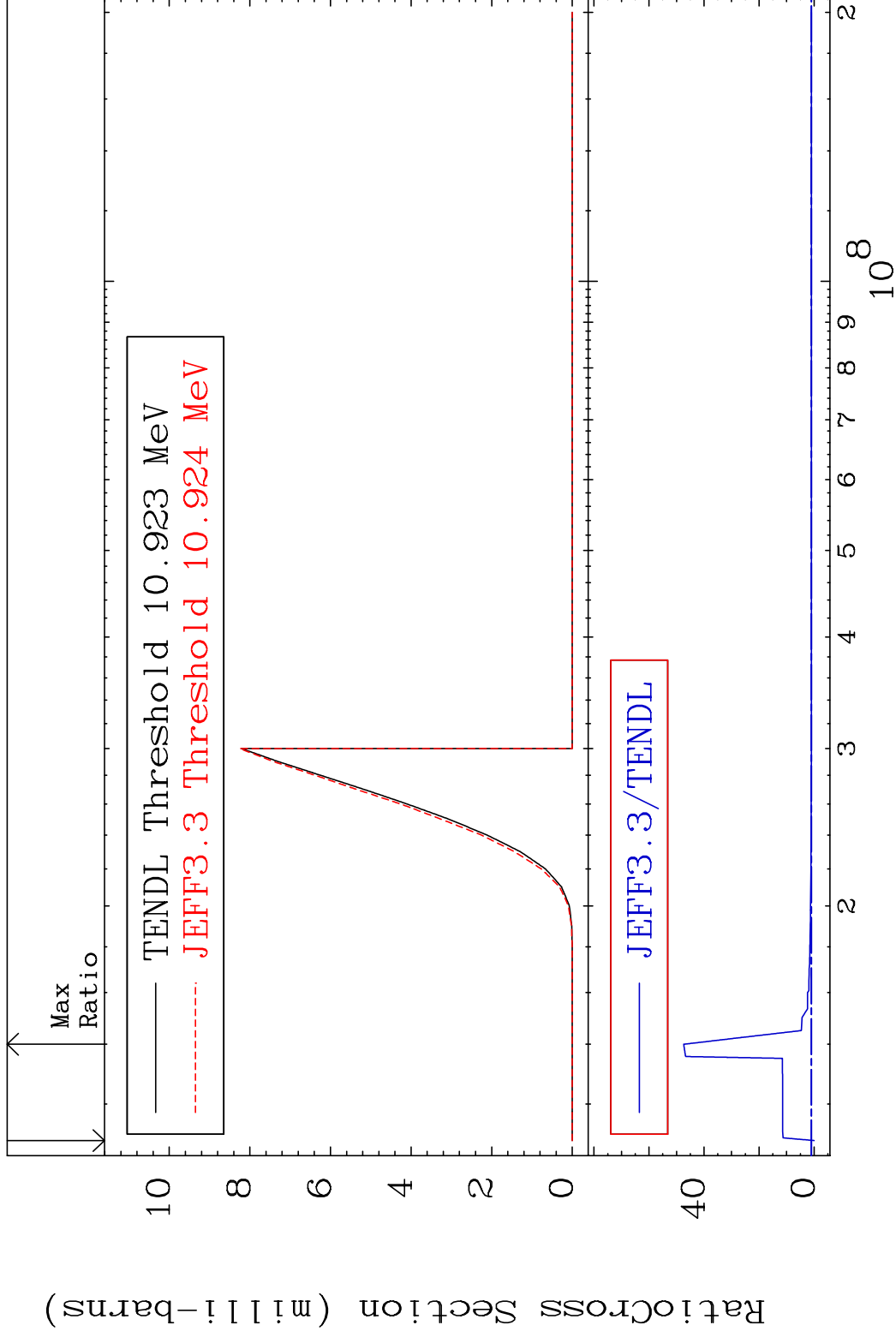


MAT 7125

(n, n') t

71-Lu-175

Cross Section -100.0 To 4641. %

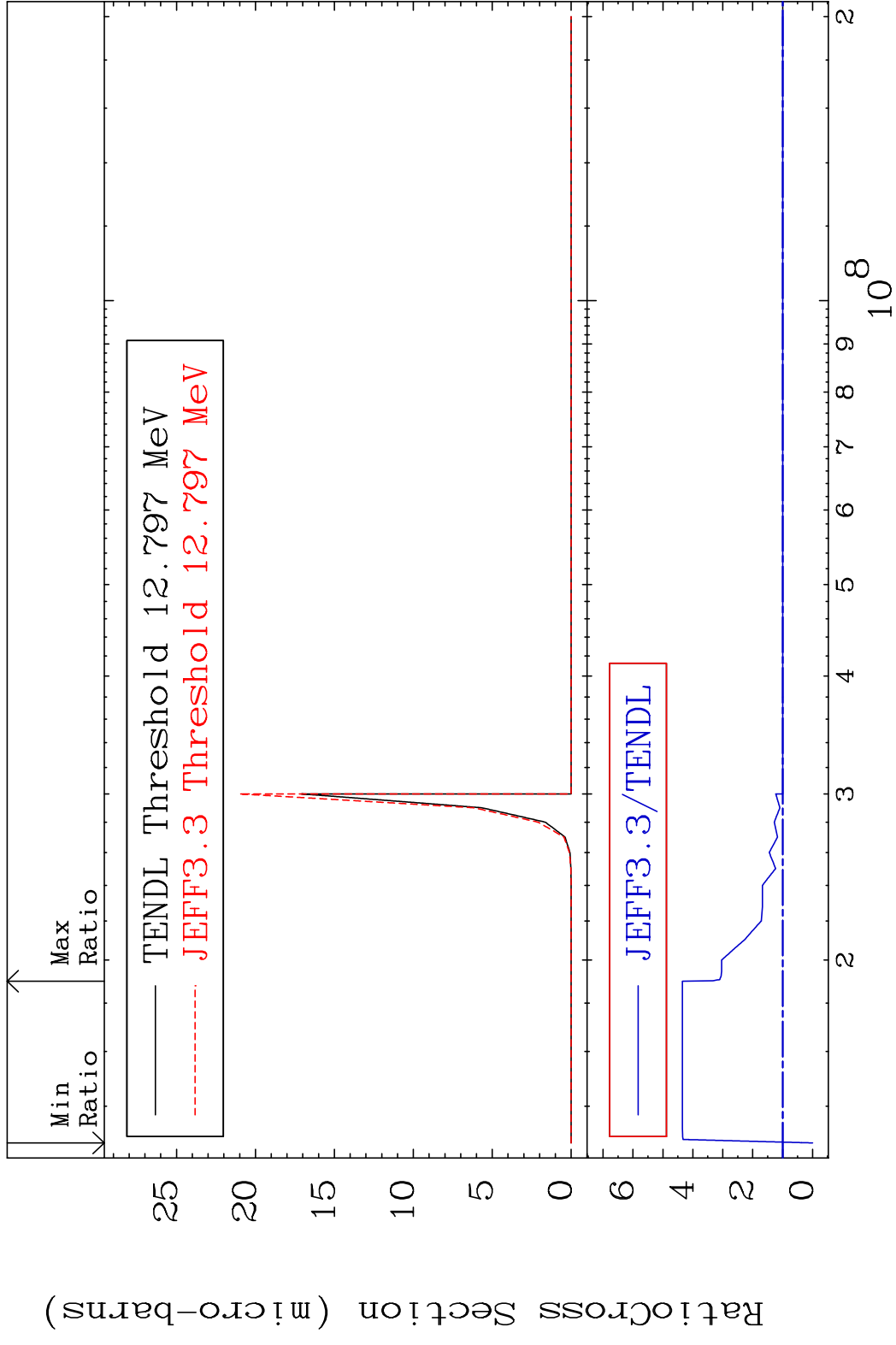


MAT 7125

(n,n') He-3

71-Lu-175

Cross Section -100.0 To 335.0 %

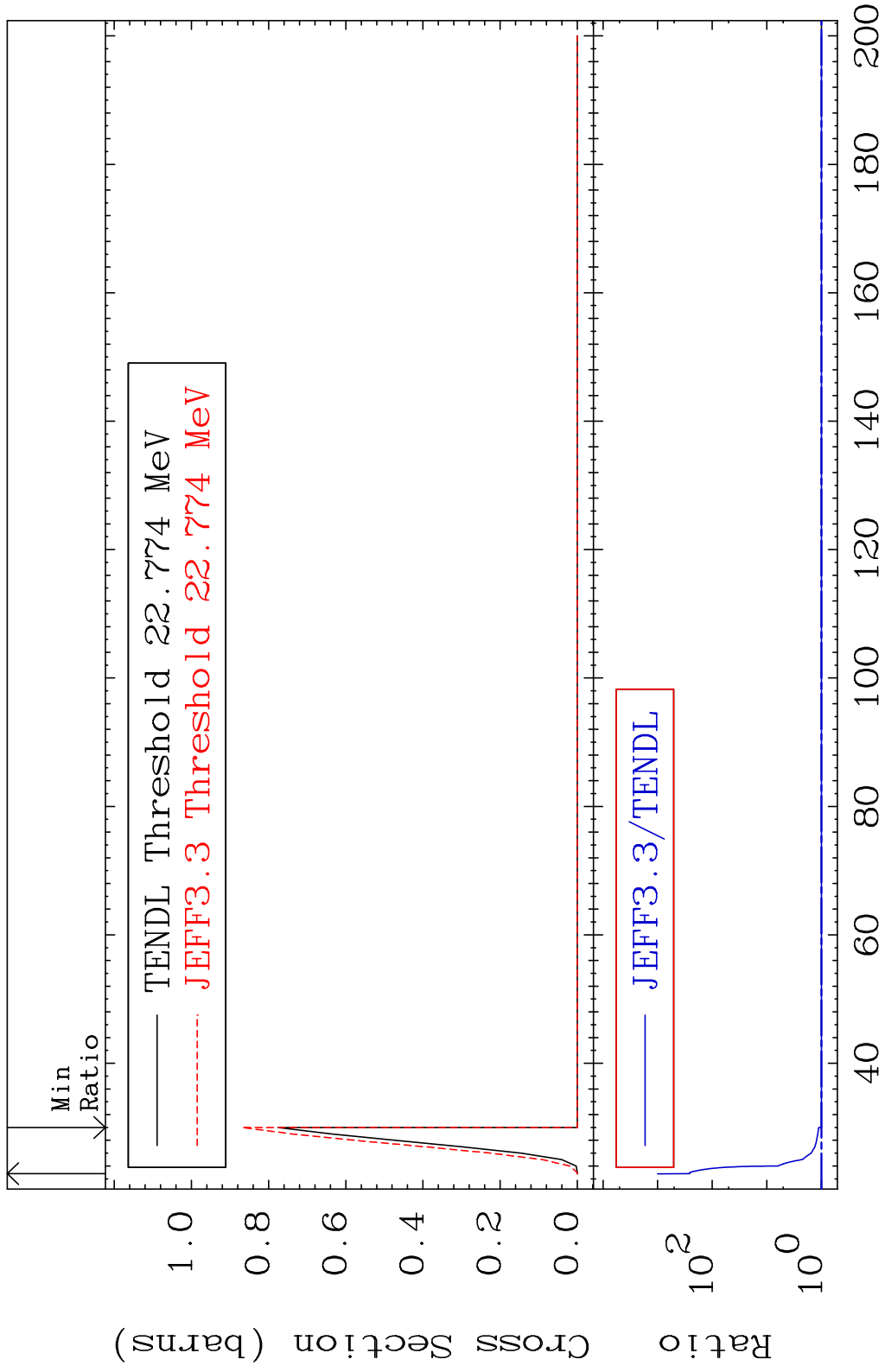


MAT 7125

(n,4n)

71-Lu-175

Cross Section 0.000 To 9999. %

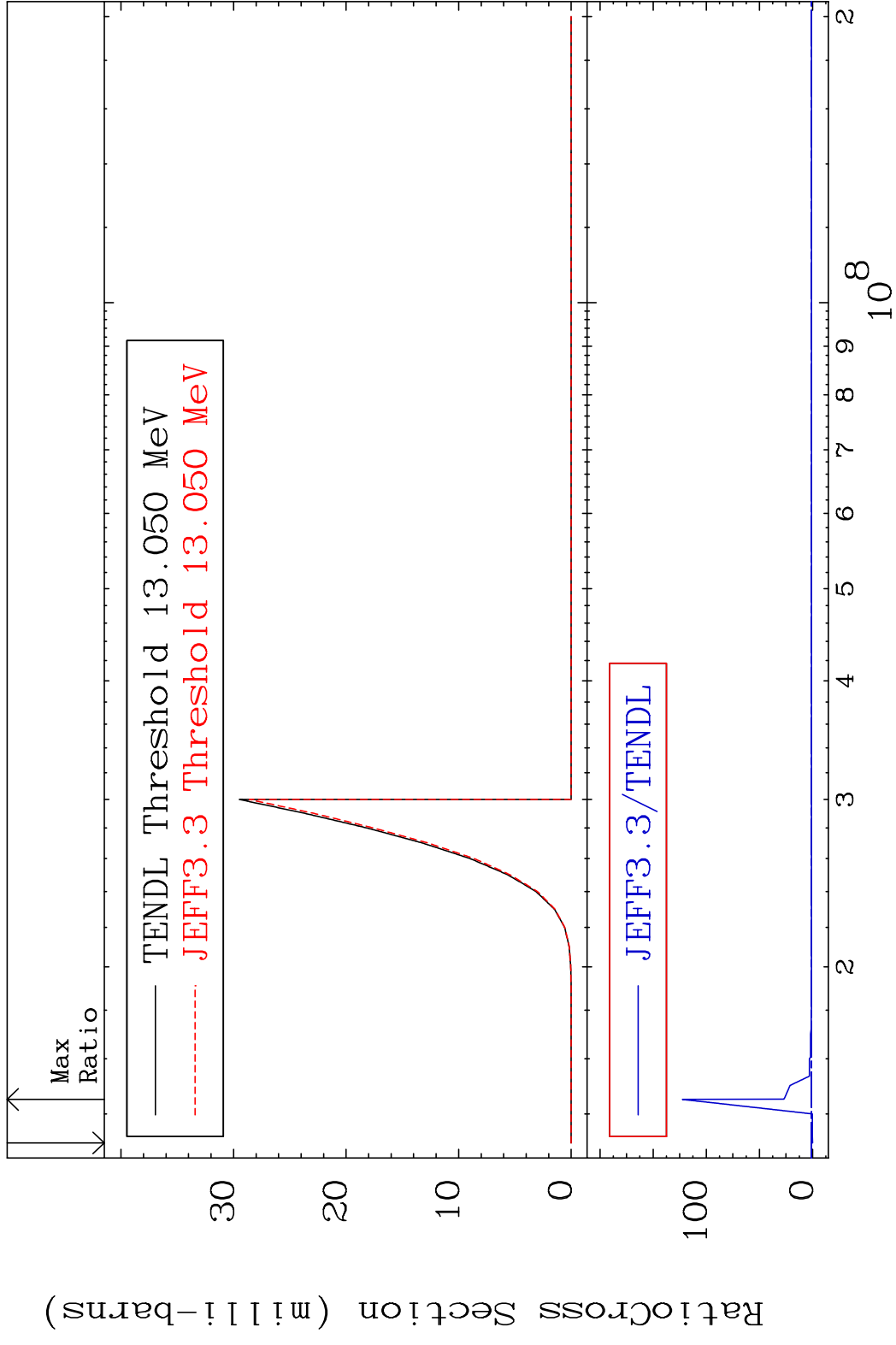


MAT 7125

(n,2n) p

71-Lu-175

Cross Section -100.0 To 9999. %

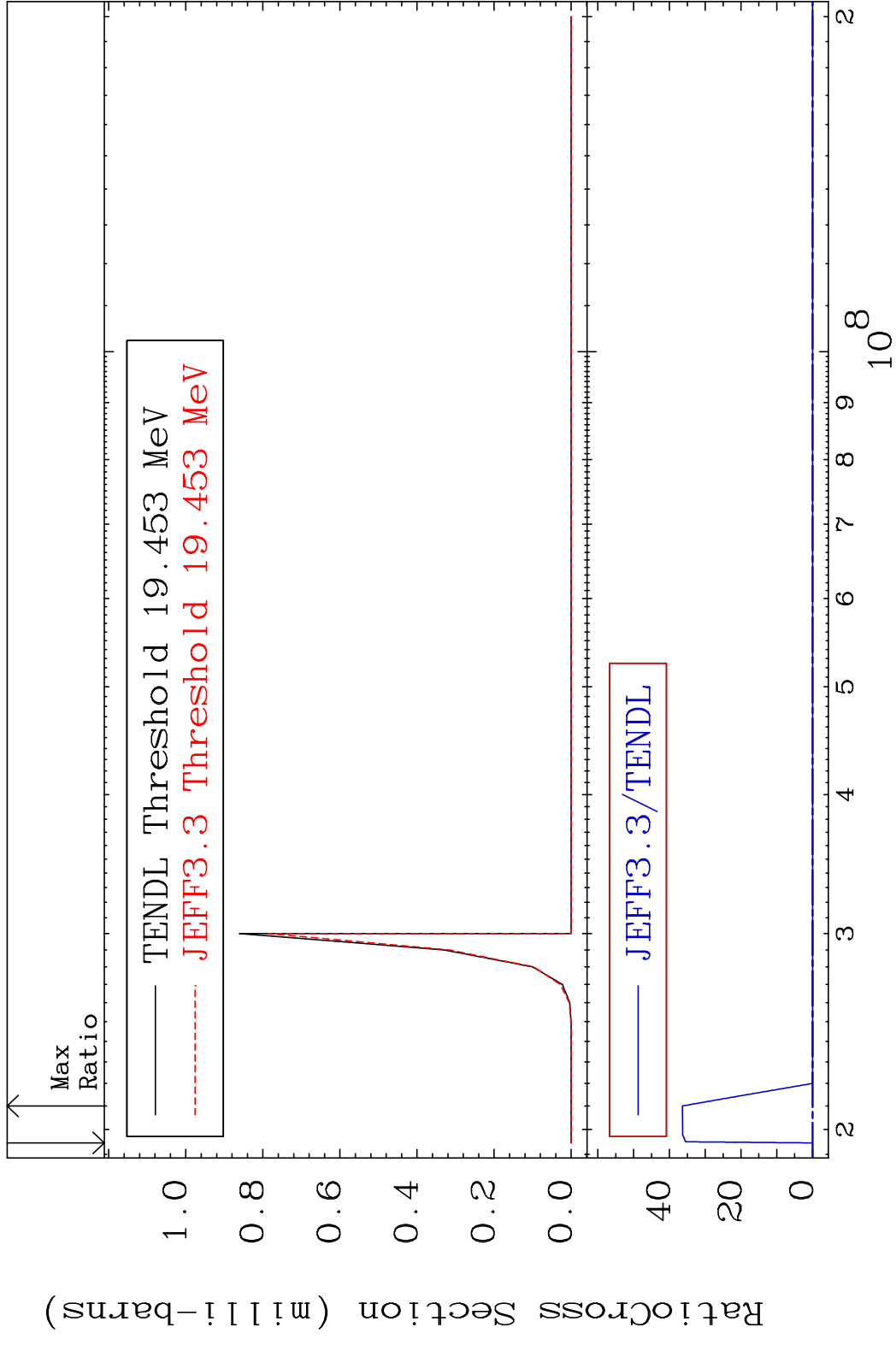


MAT 7125

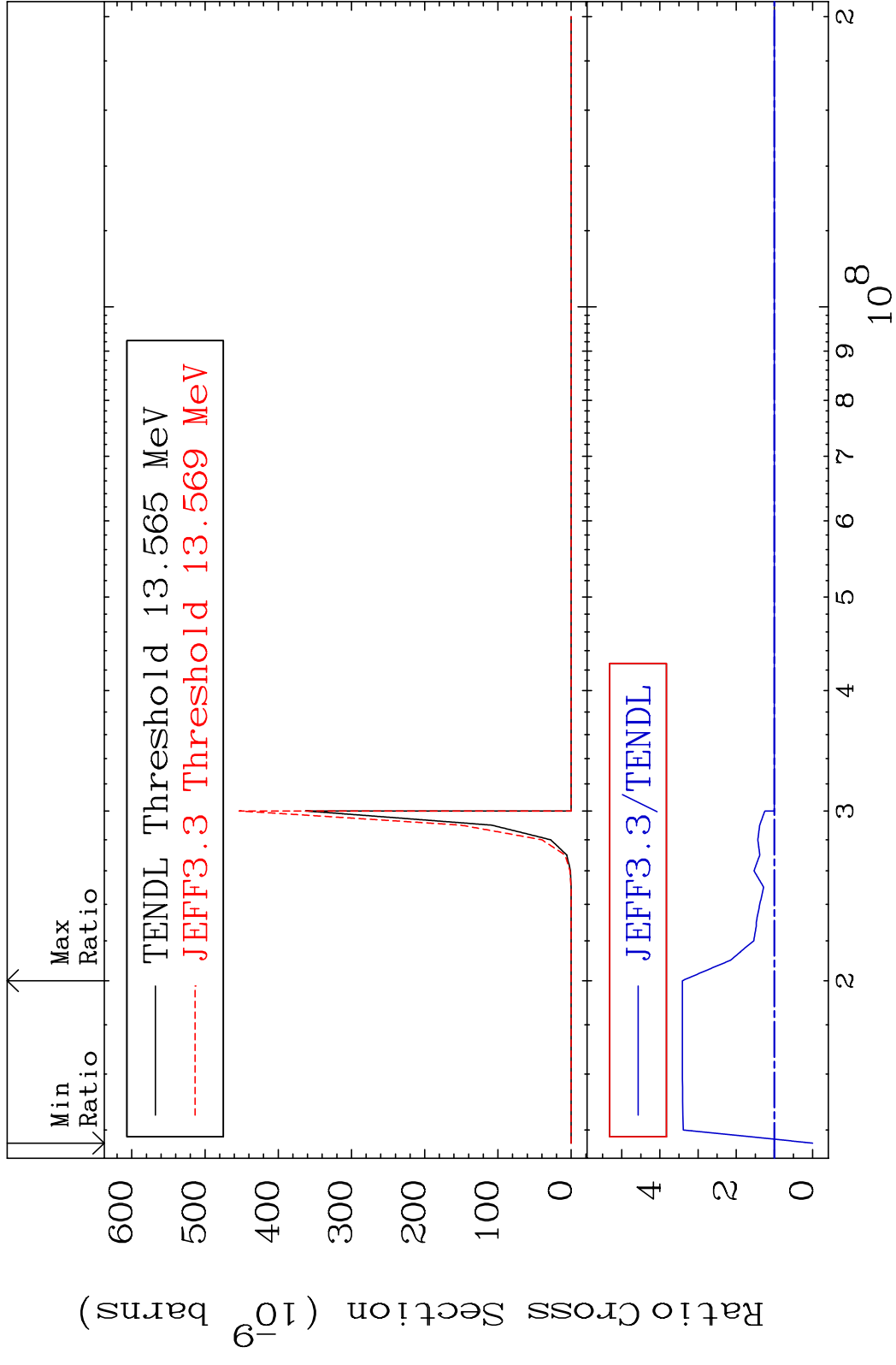
(n,3n) p

71-Lu-175

Cross Section -100.0 To 9999. %



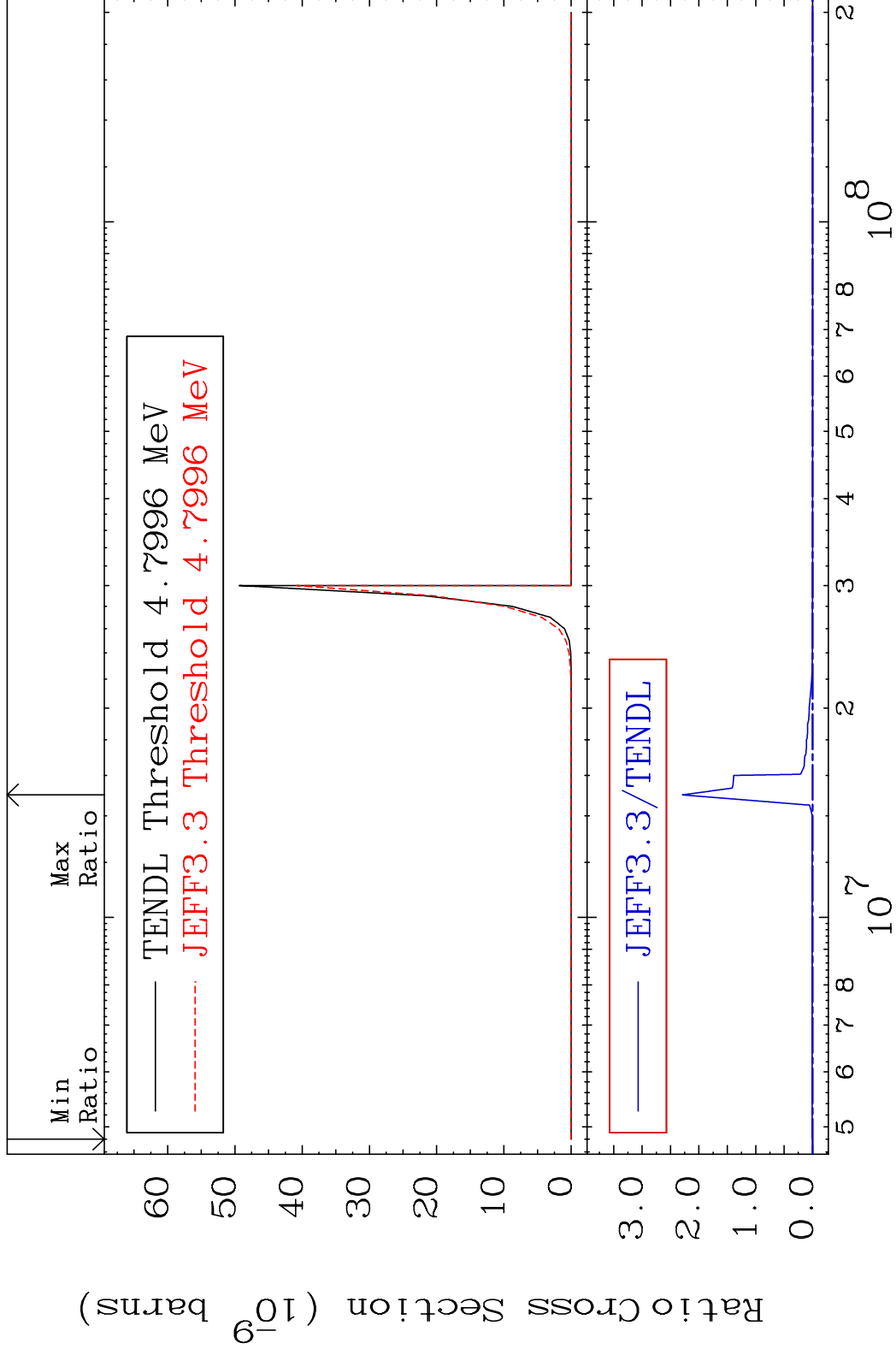
MAT 7125 (n,2n) p 71-Lu-175
 Cross Section -100.0 To 241.2 %



MAT 7125

(n,n') p α 71-Lu-175

Cross Section -100.0 To 9999. %

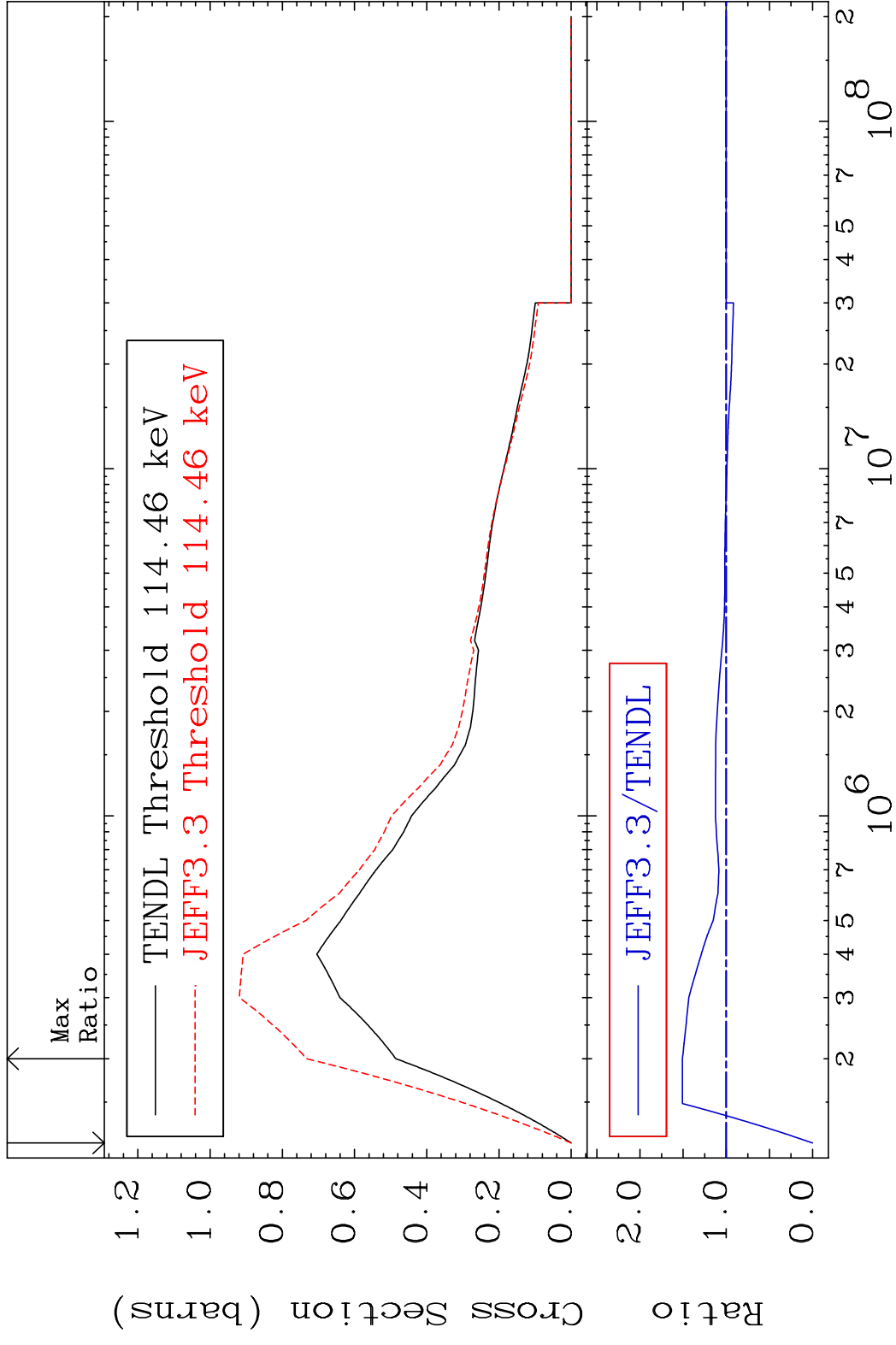


20

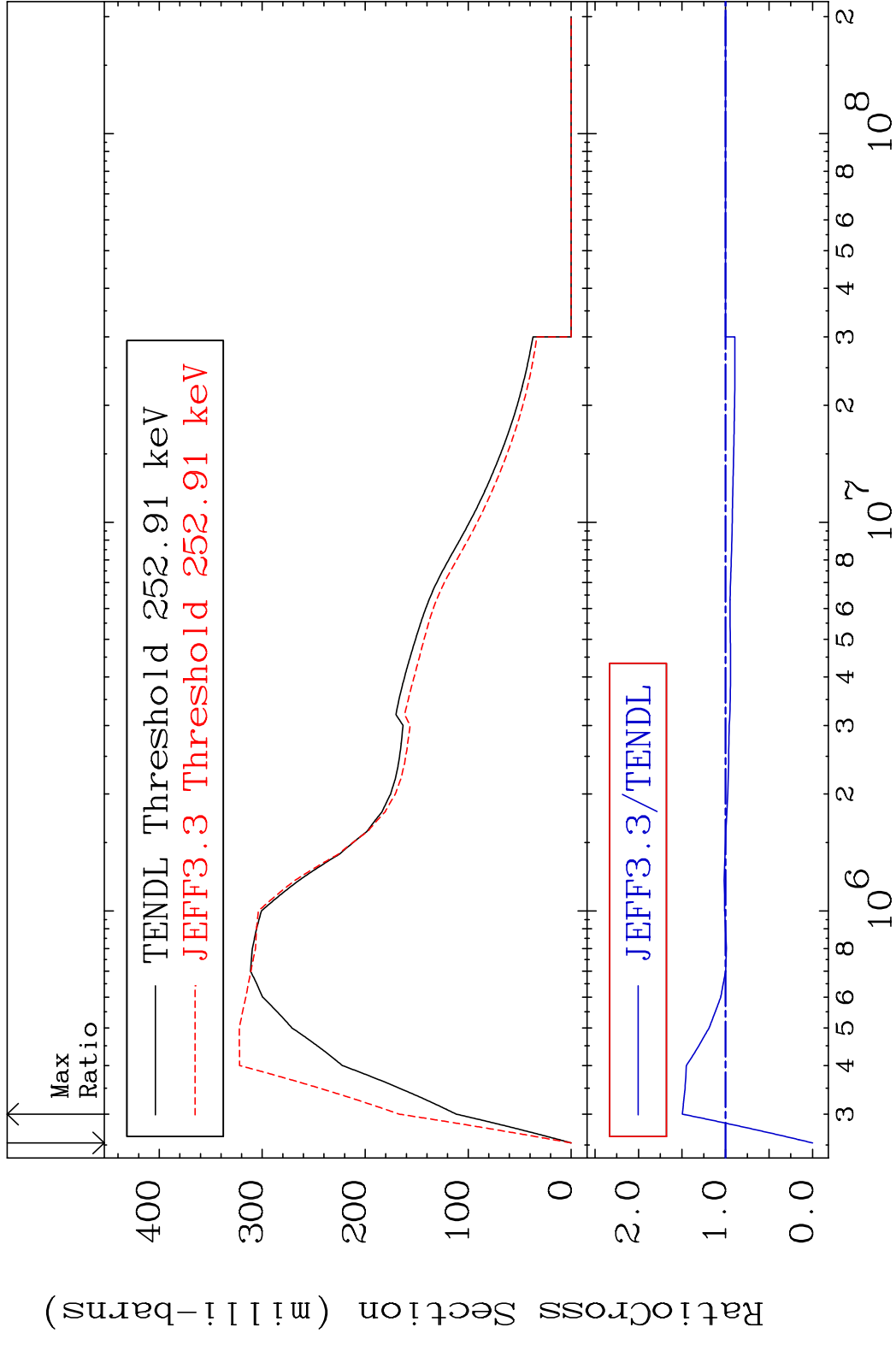
Incident Energy (eV)

71-Lu-175

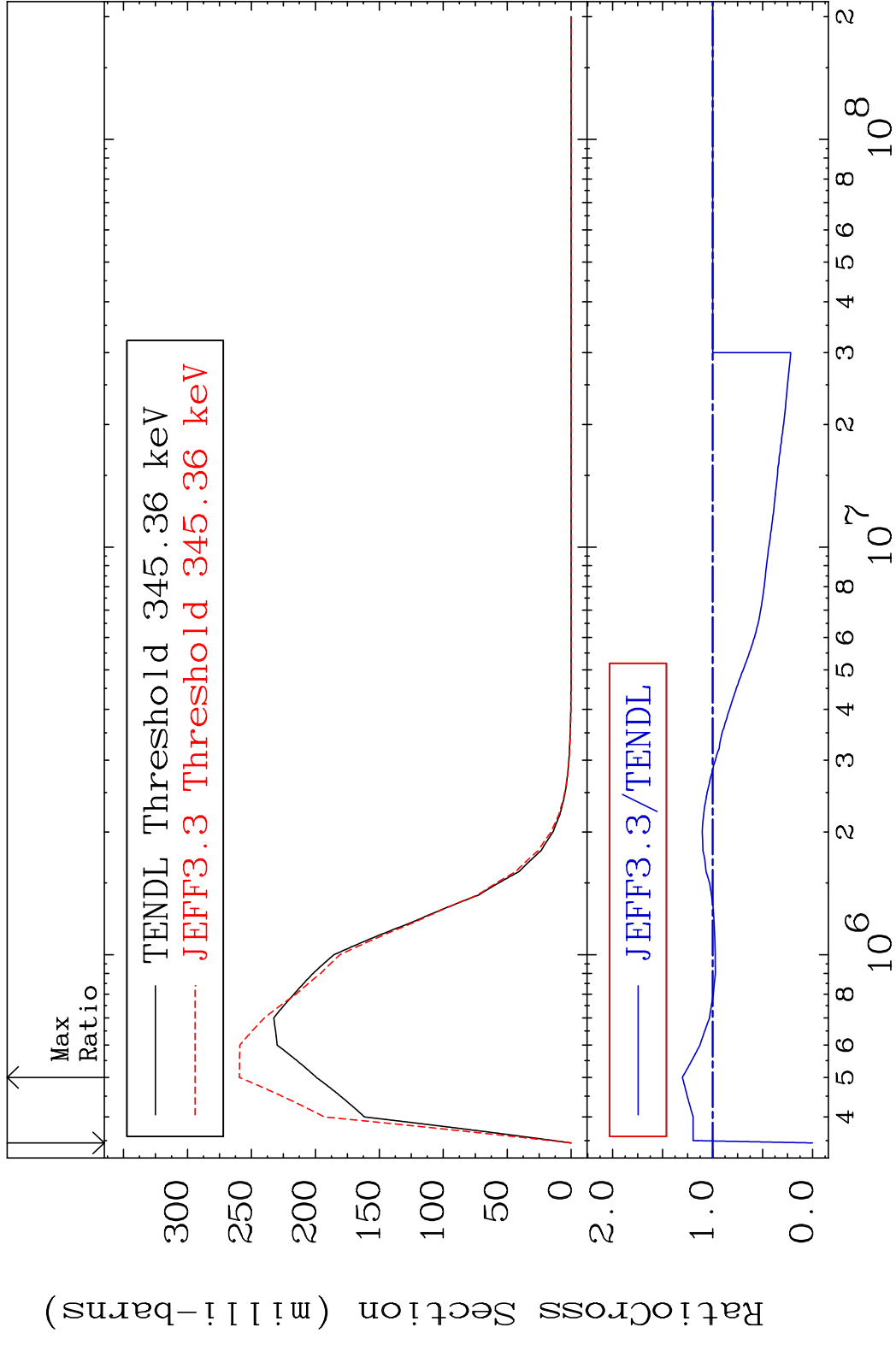
MAT 7125 MT= 51 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 50.91 %



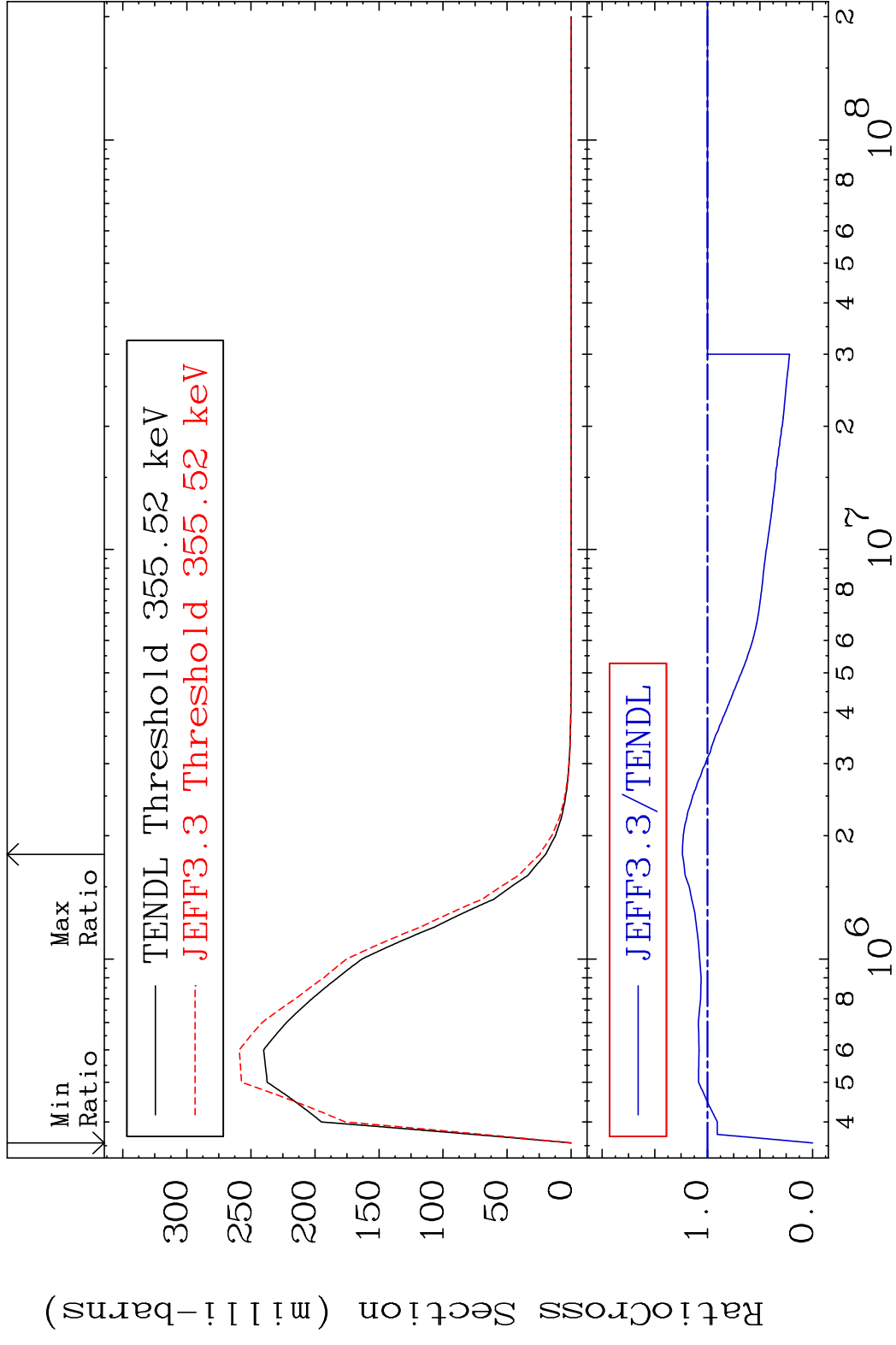
MAT 7125 MT= 52 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 49.60 %



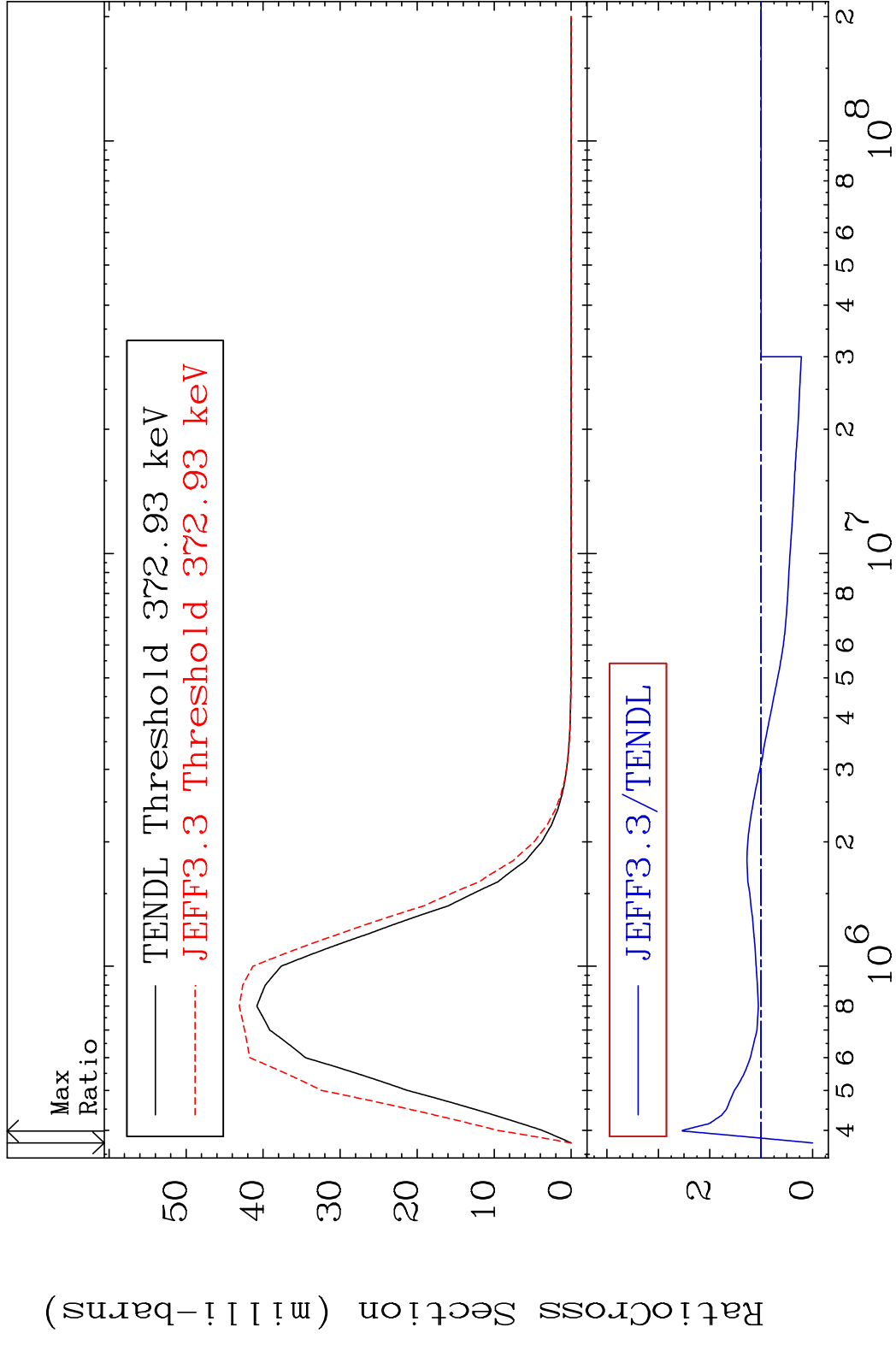
MAT 7125 MT= 53 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 30.28 %



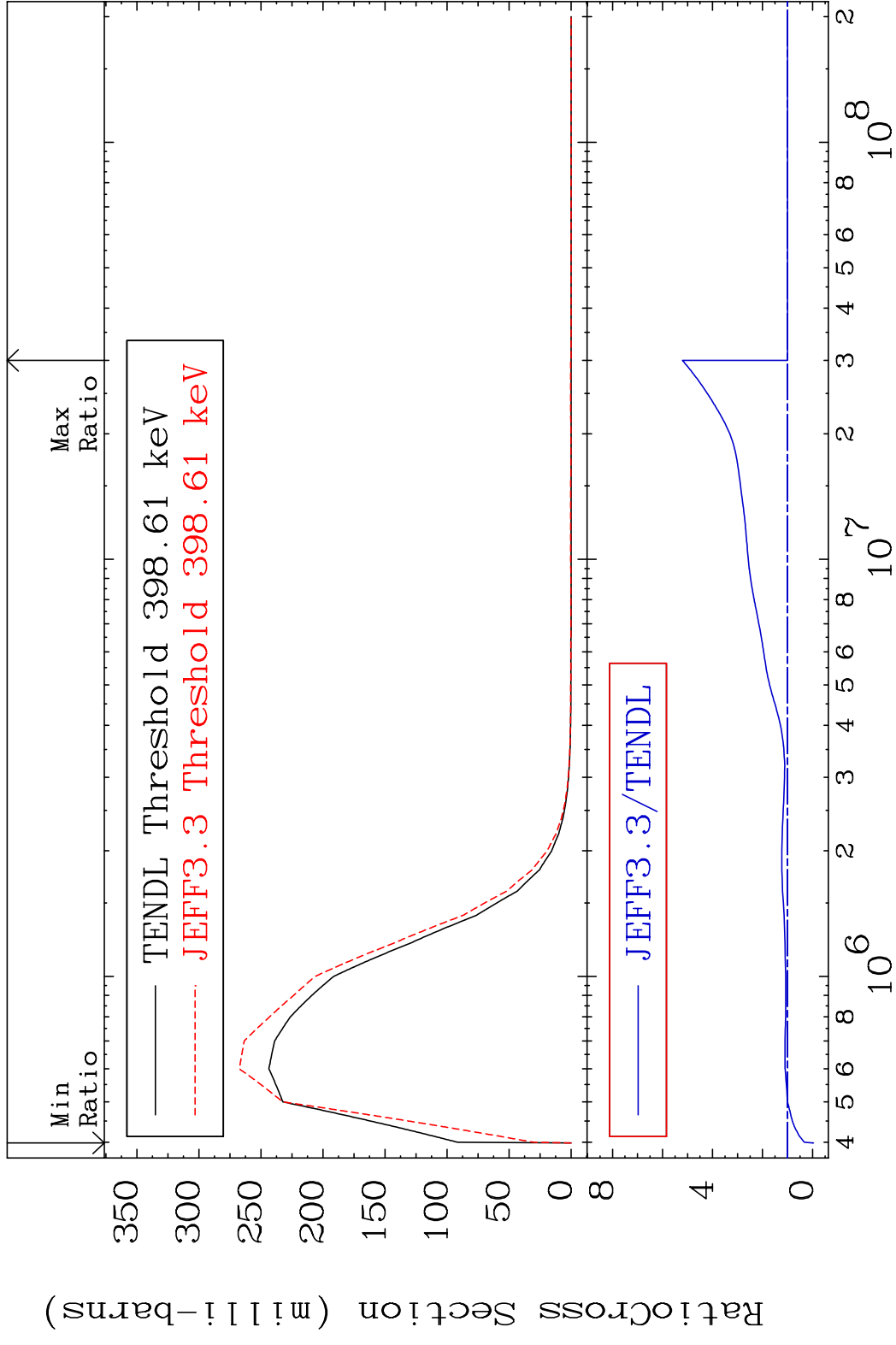
MAT 7125 MT= 54 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 23.80 %



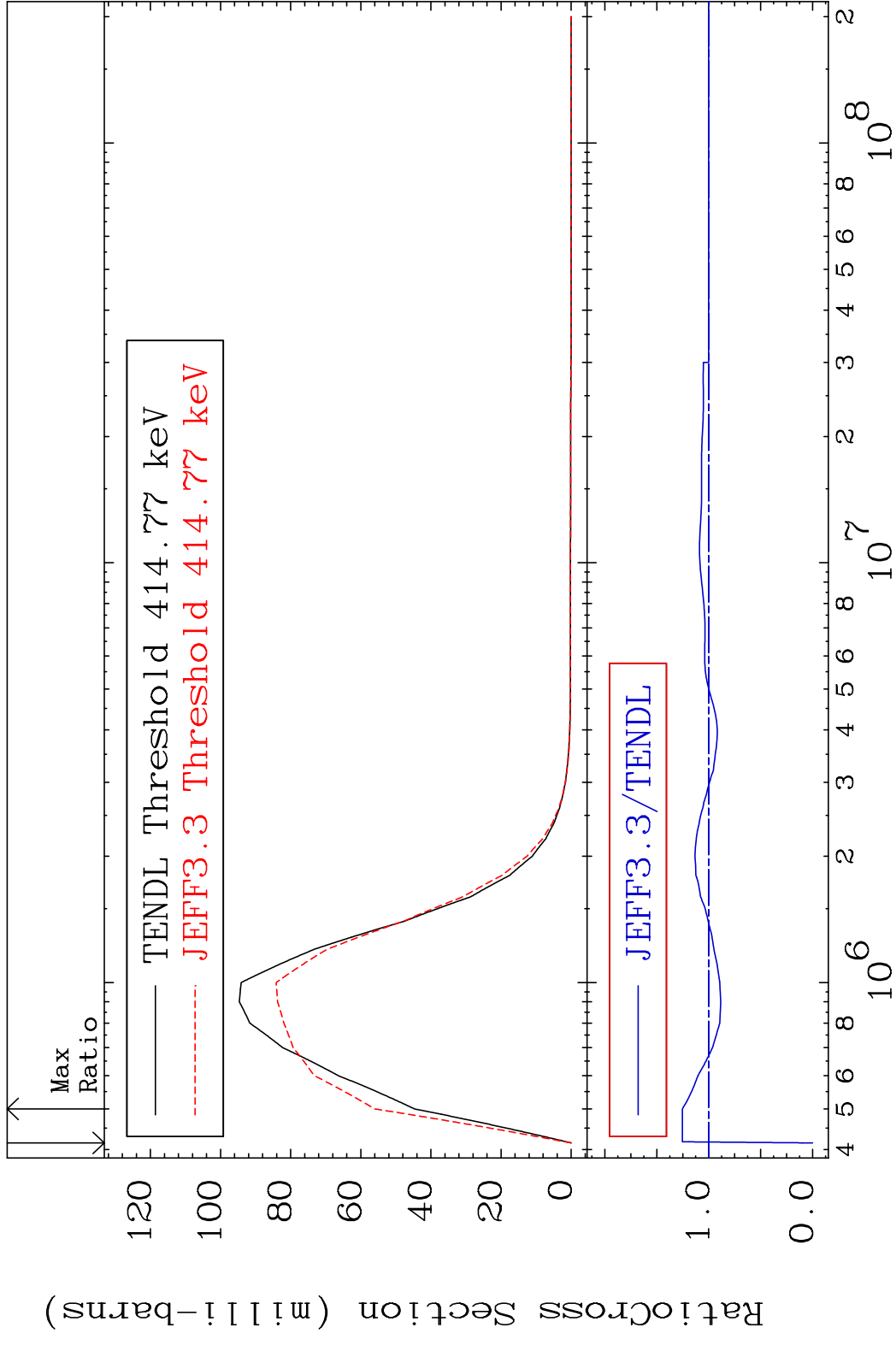
MAT 7125 MT= 55 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 153.4 %



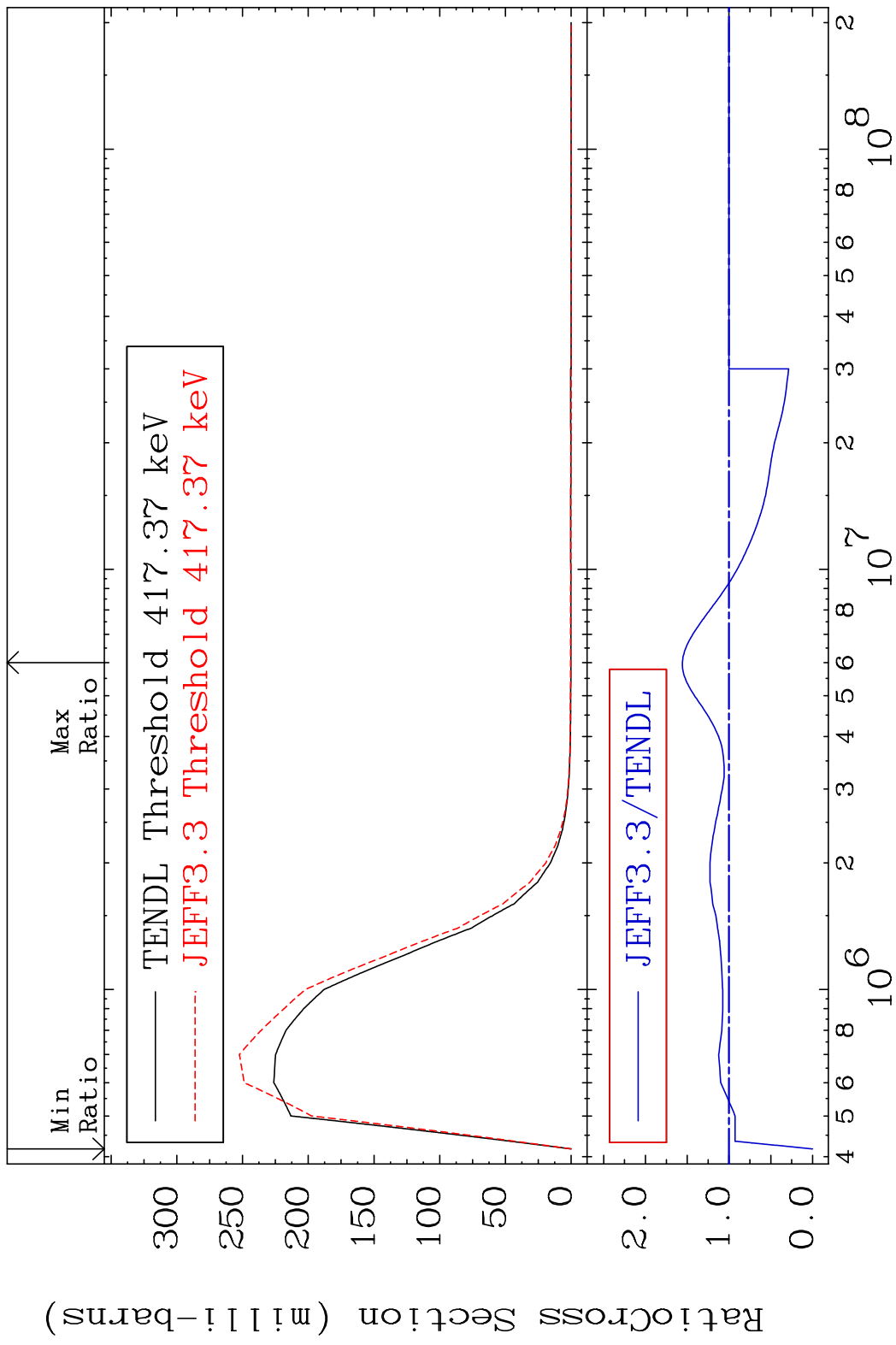
MAT 7125 MT= 56 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 420.7 %



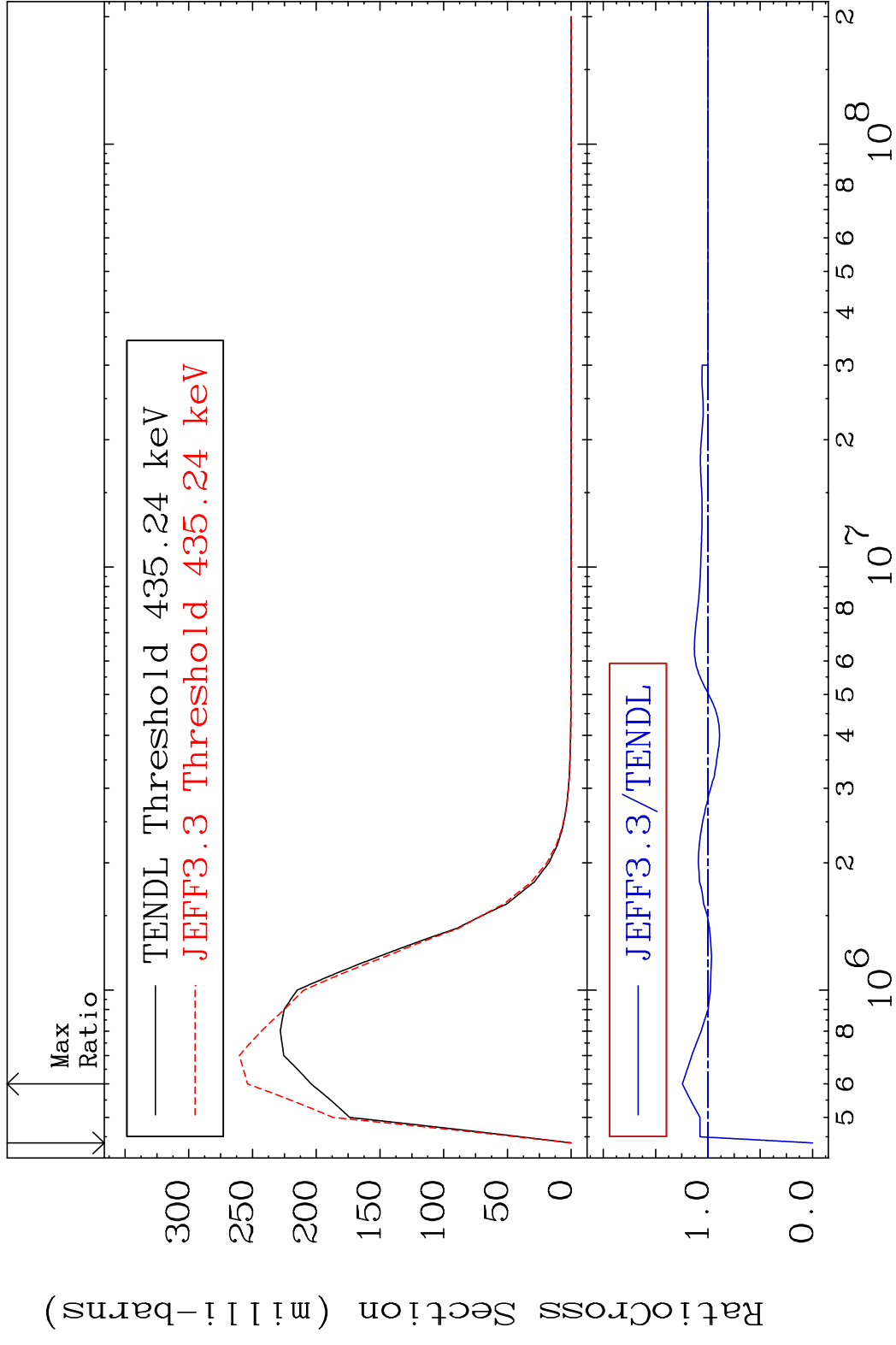
MAT 7125 MT= 57 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 25.37 %



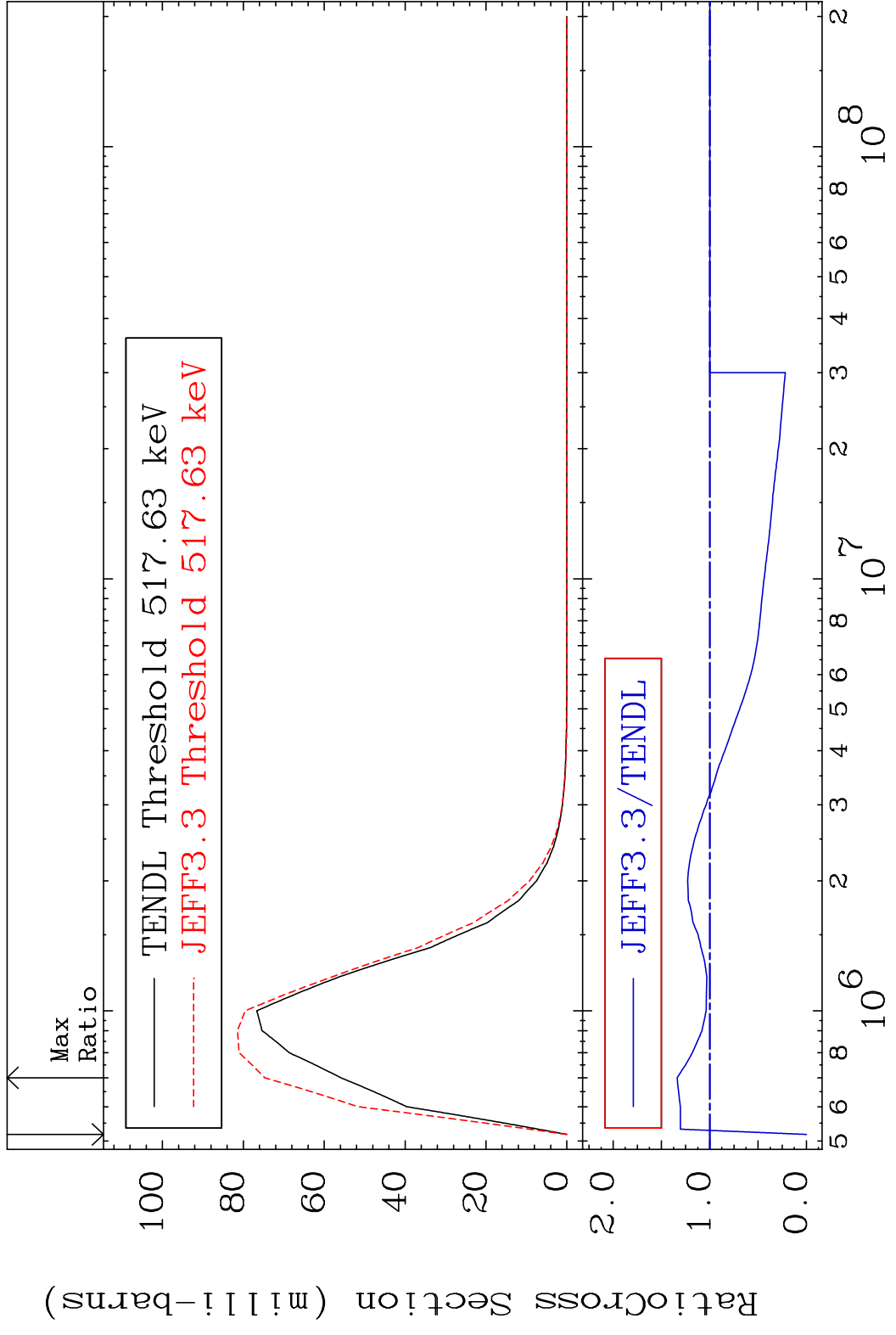
MAT 7125 MT= 58 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 55.82 %



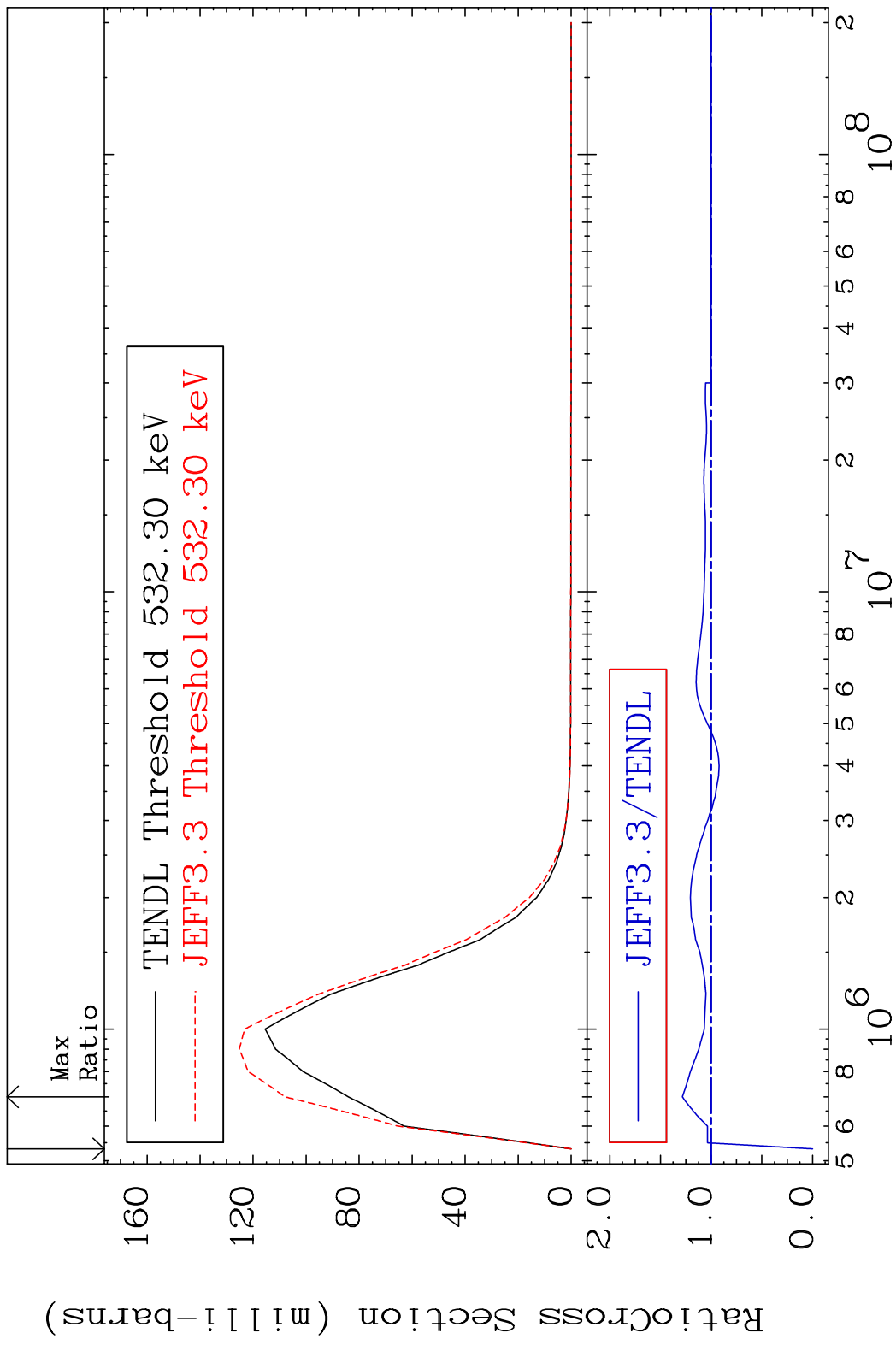
MAT 7125 MT= 59 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 24.45 %



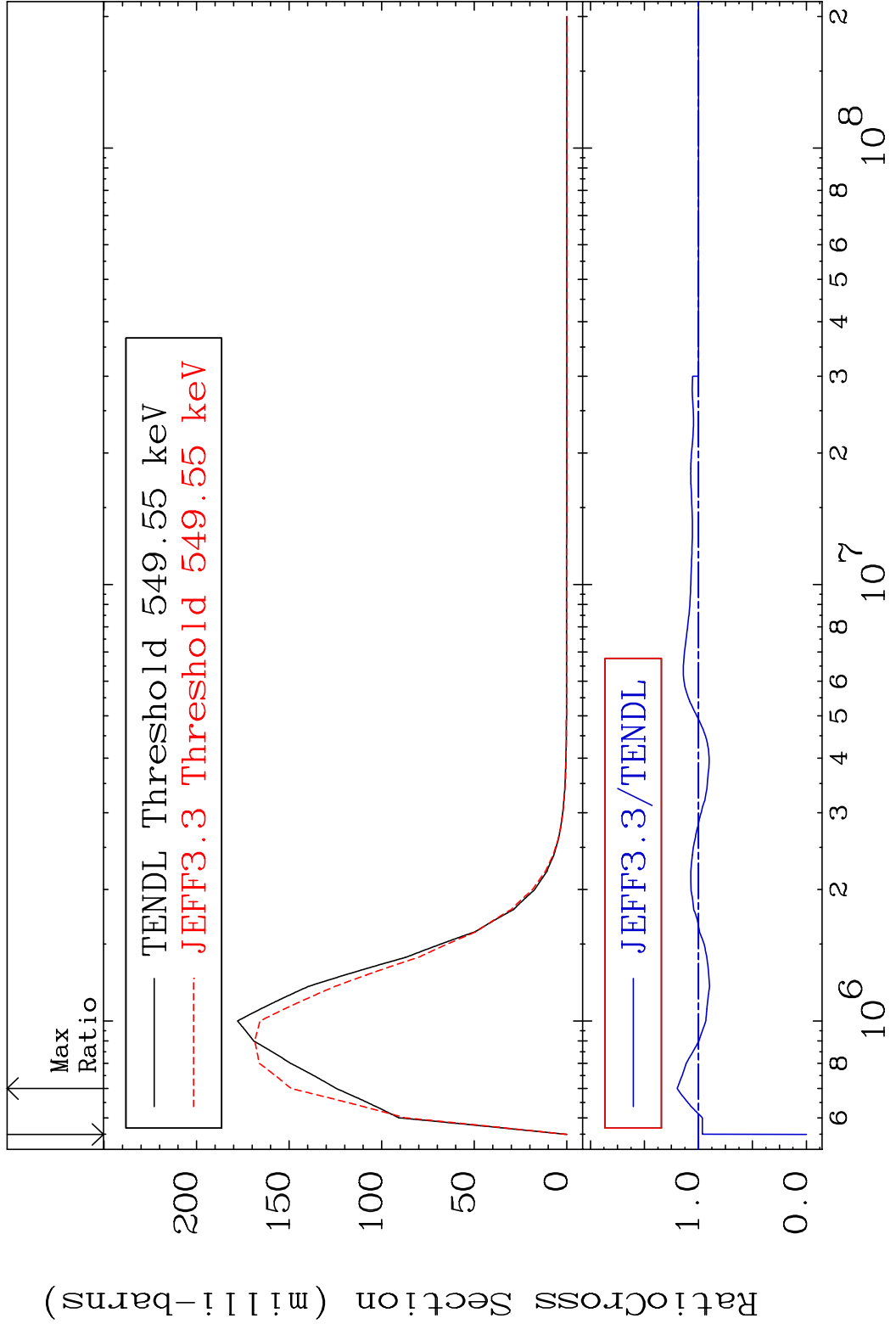
MAT 7125 MT= 60 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 33.74 %



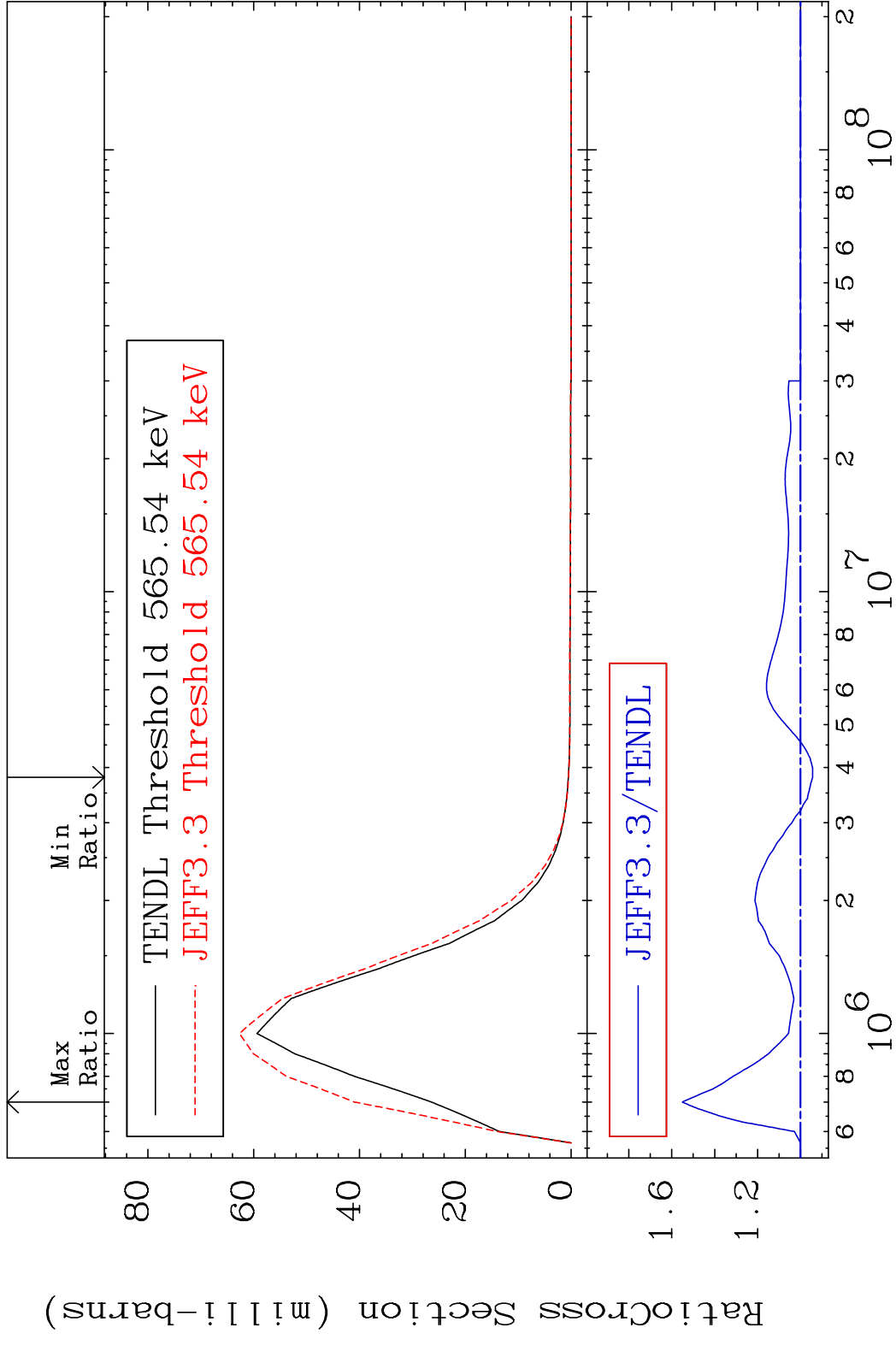
MAT 7125 MT= 61 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 28.41 %



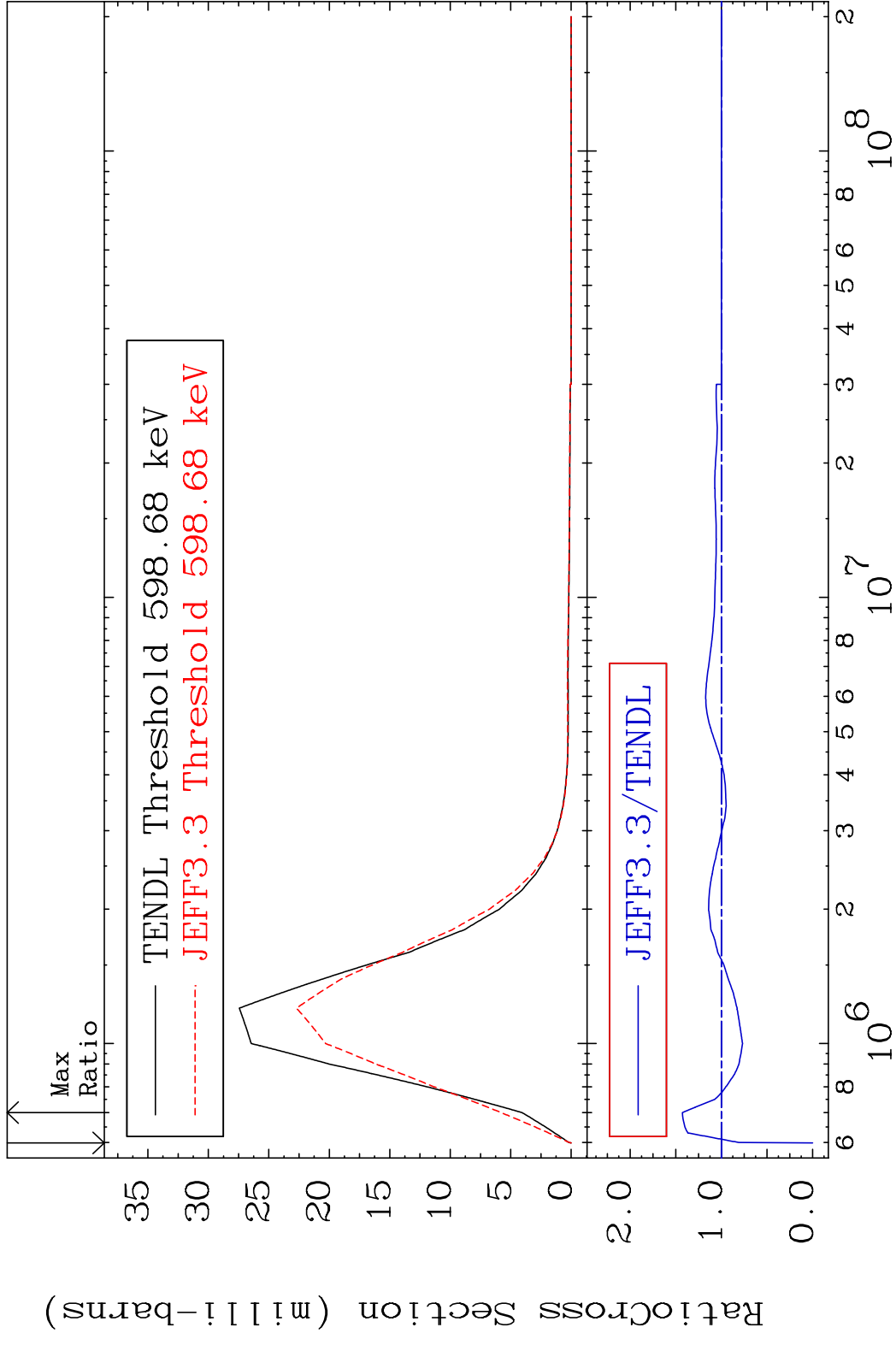
MAT 7125 MT= 62 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 19.68 %



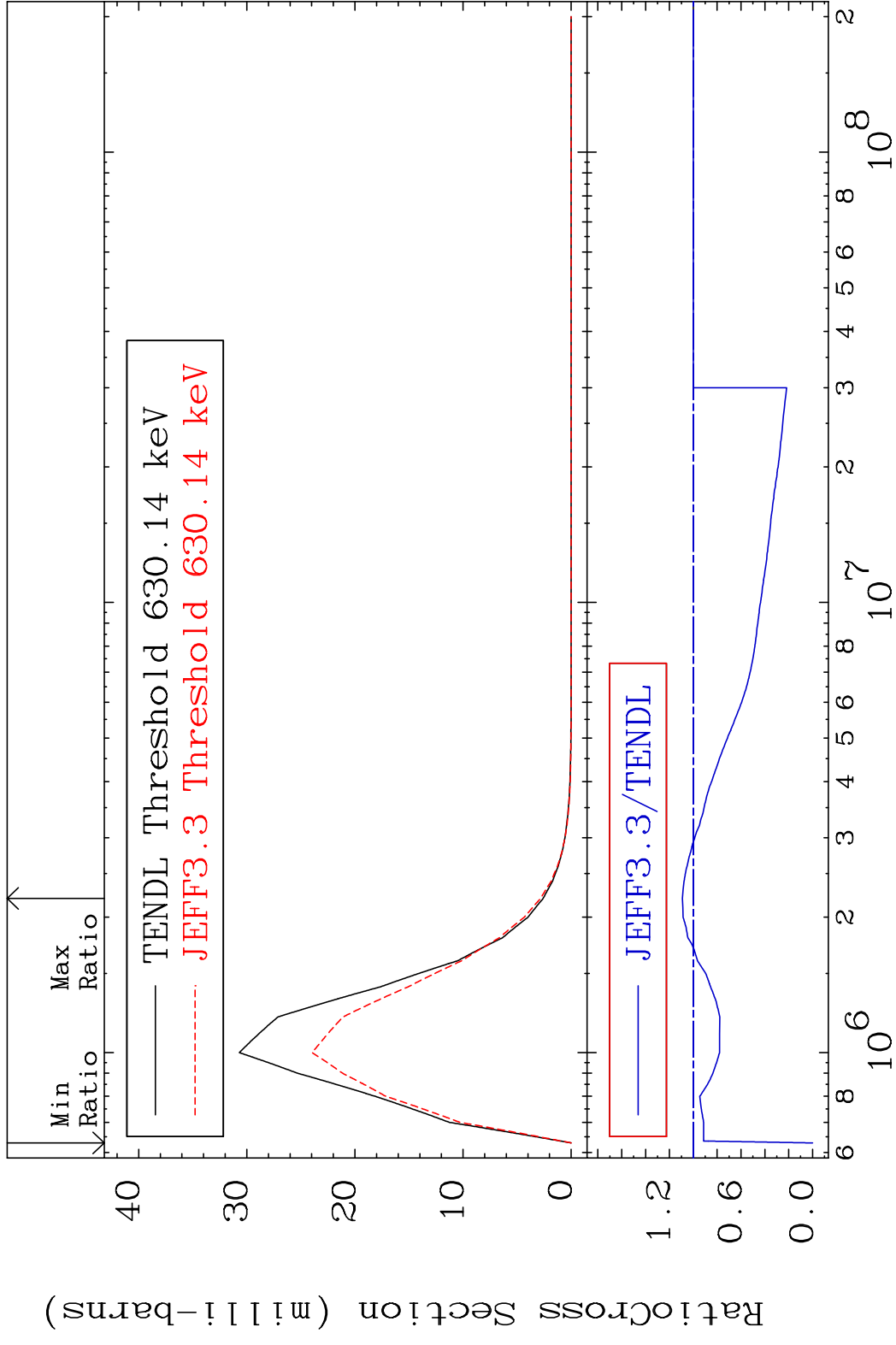
MAT 7125 MT= 63 (n, n') Level 71-Lu-175
 Cross Section -5.603 To 55.05 %



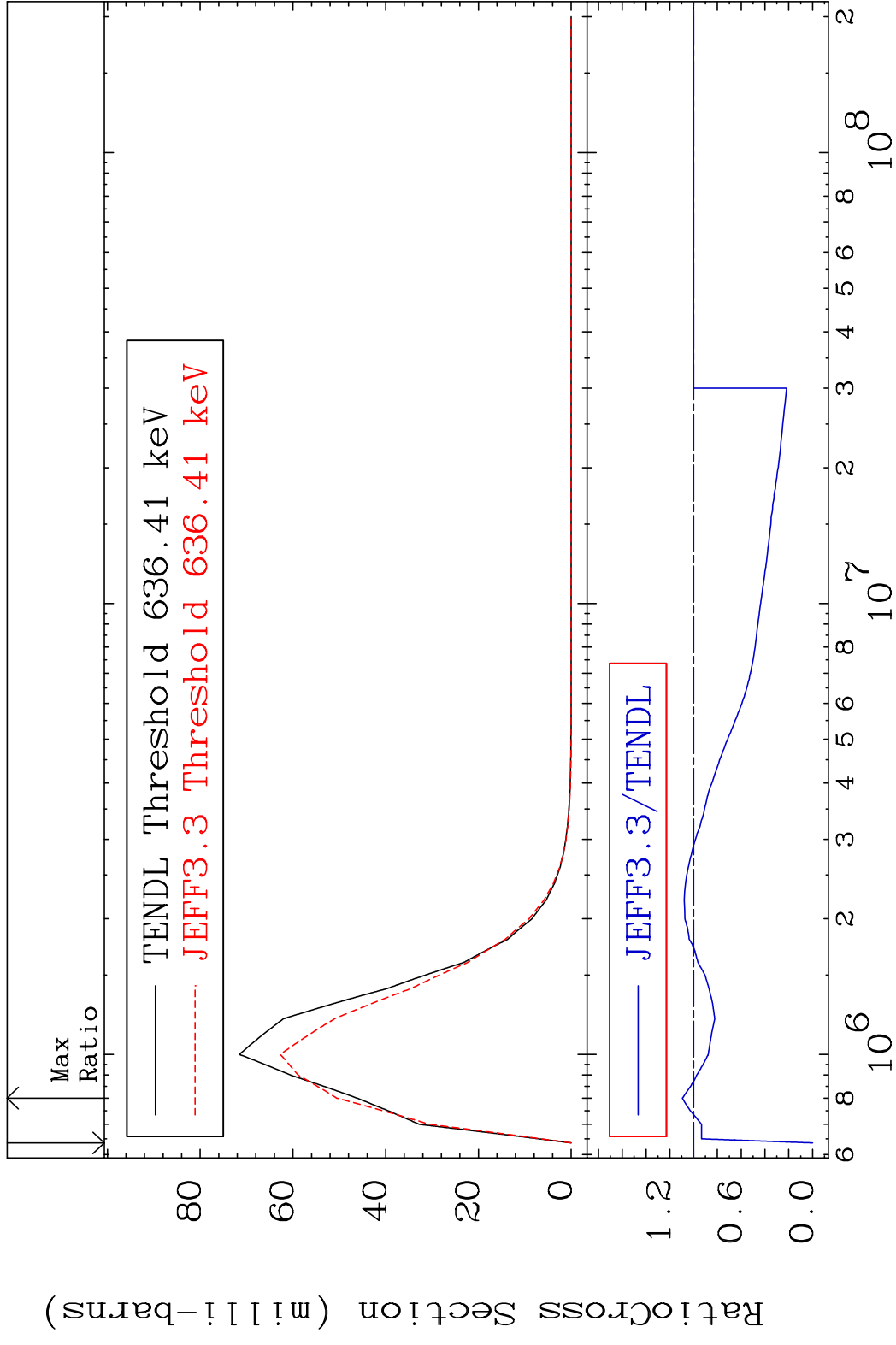
MAT 7125 MT= 64 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 42.75 %



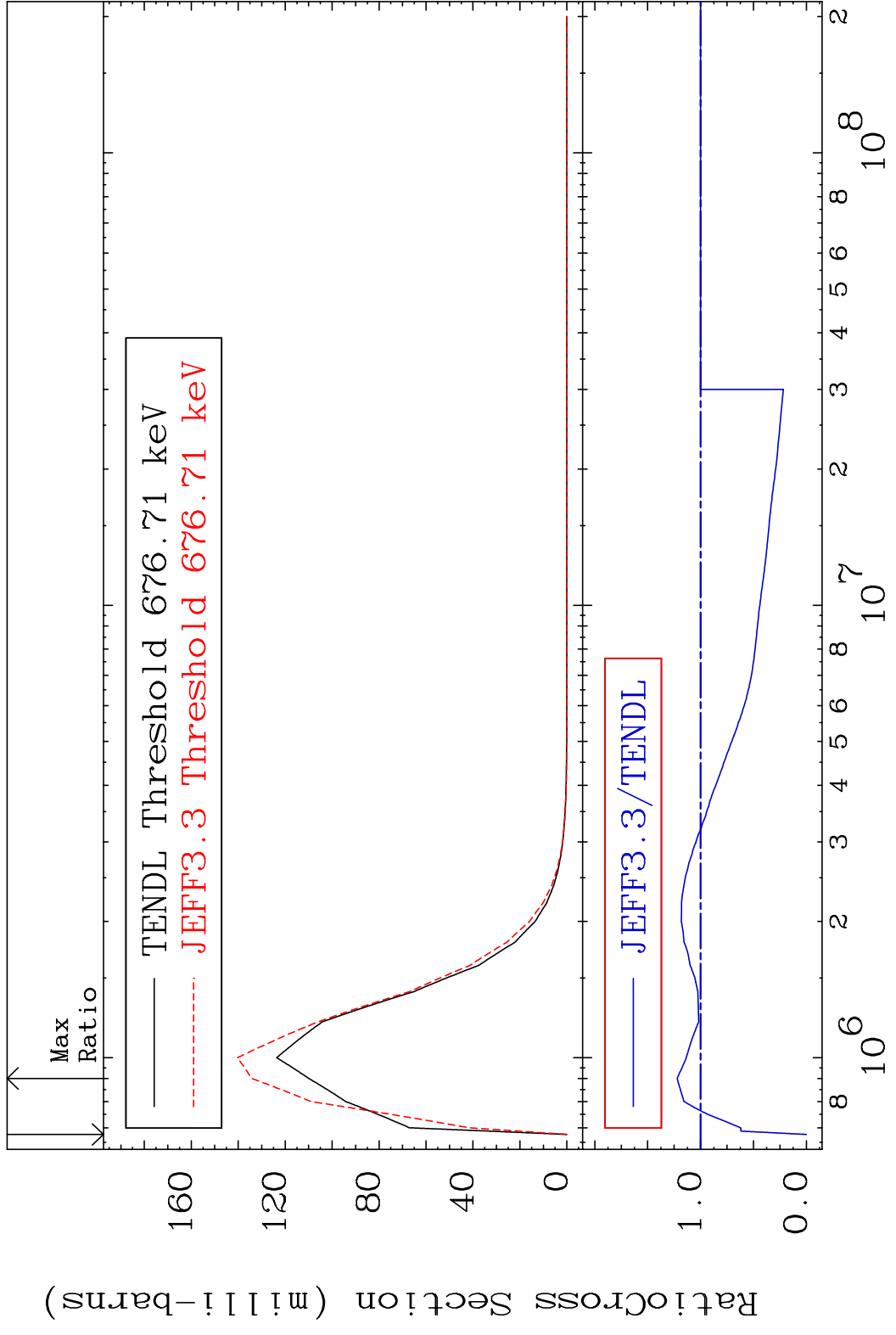
MAT 7125 MT= 65 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 9.174 %



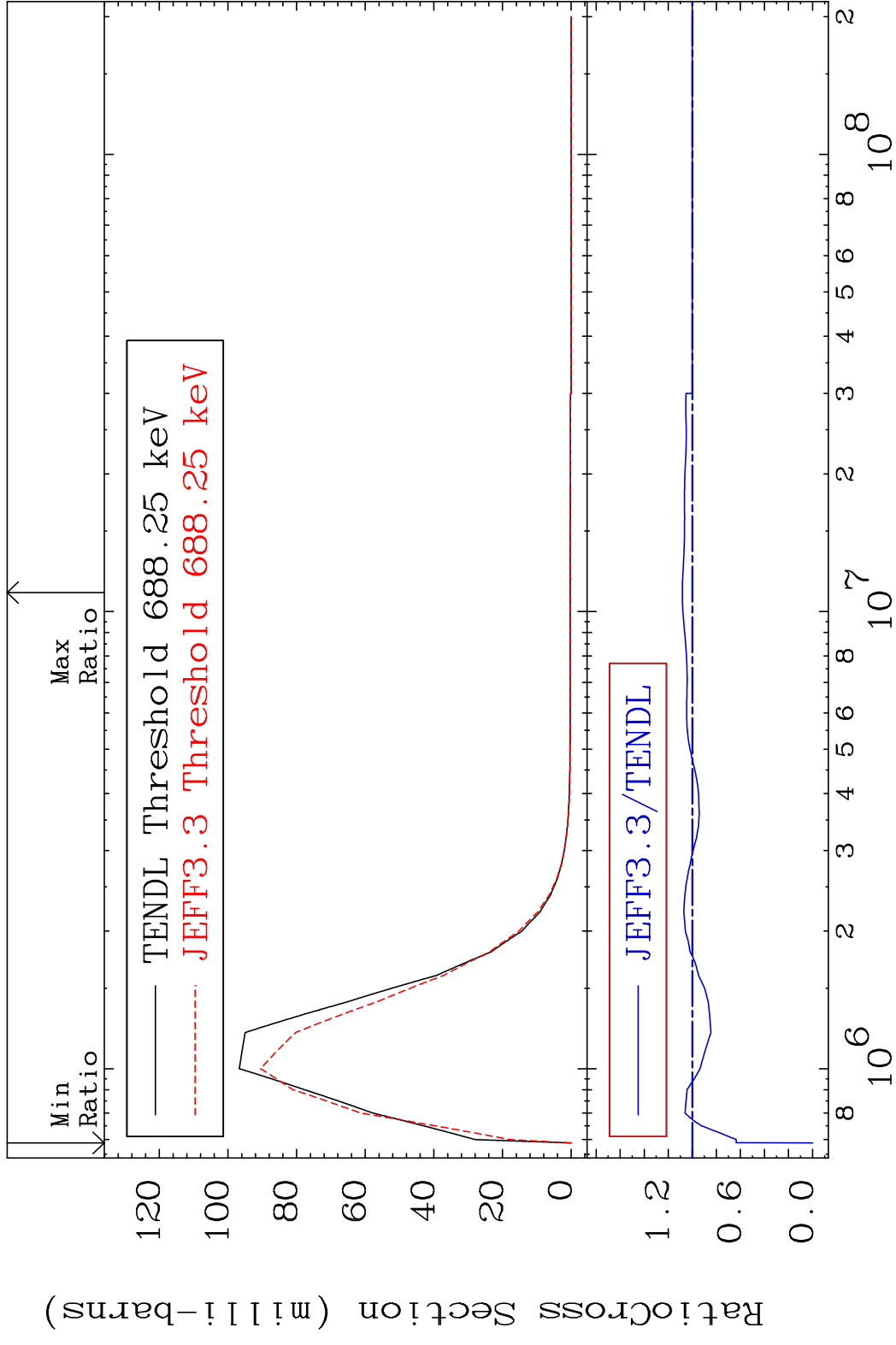
MAT 7125 MT= 66 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 9.455 %



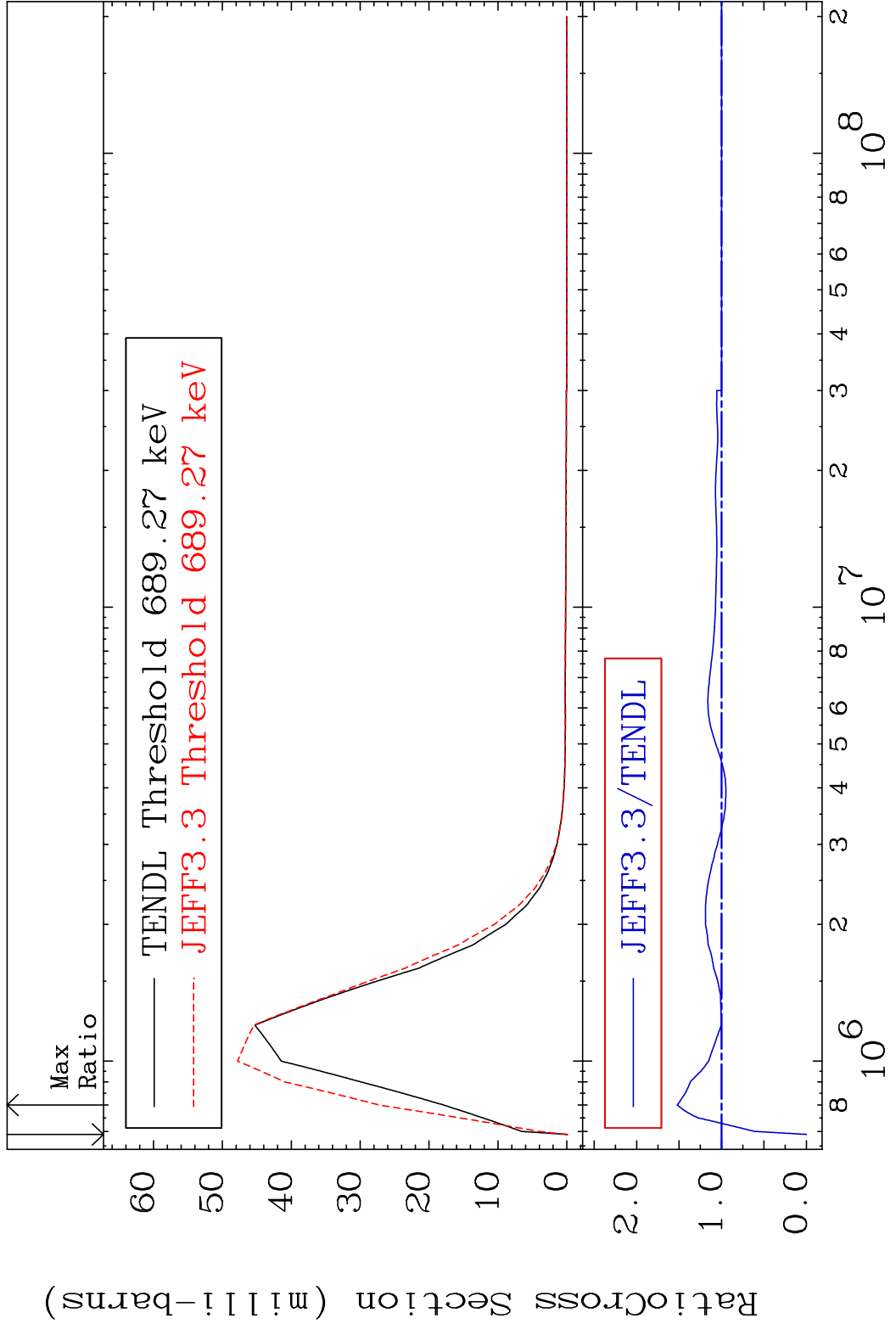
MAT 7125 MT= 67 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 22.11 %



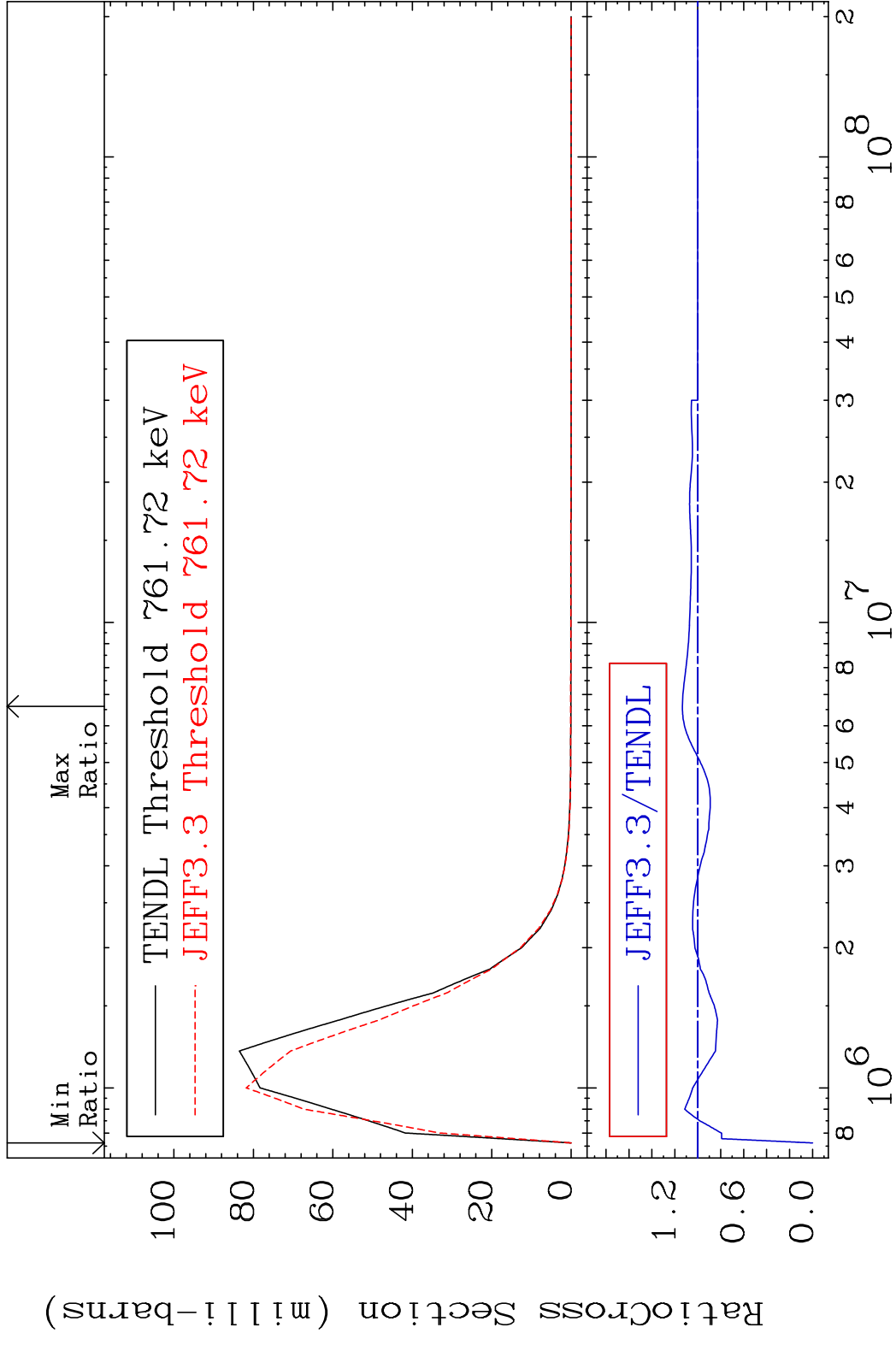
MAT 7125 MT= 68 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 8.276 %



MAT 7125 MT= 69 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 52.26 %

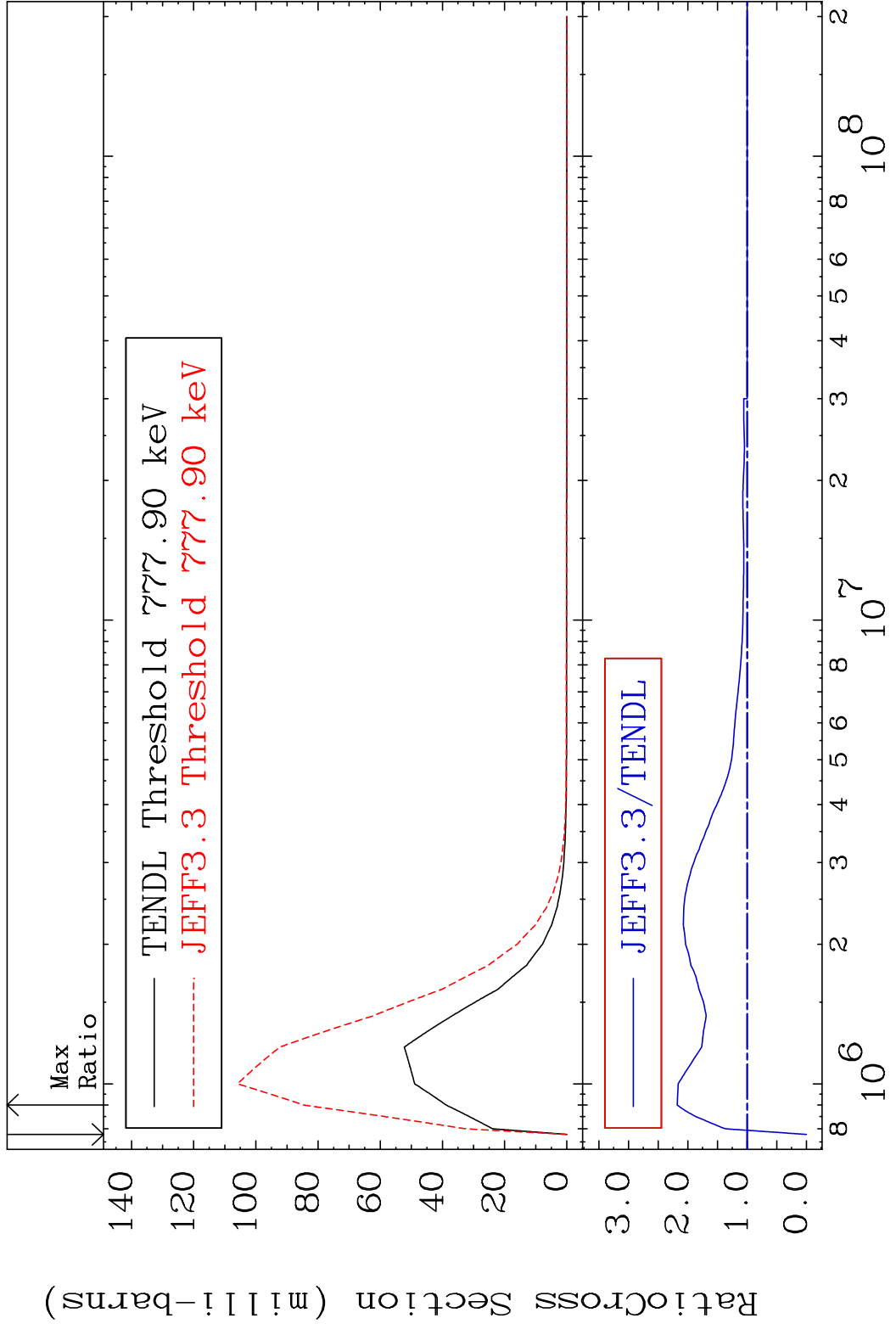


MAT 7125 MT= 70 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 13.44 %

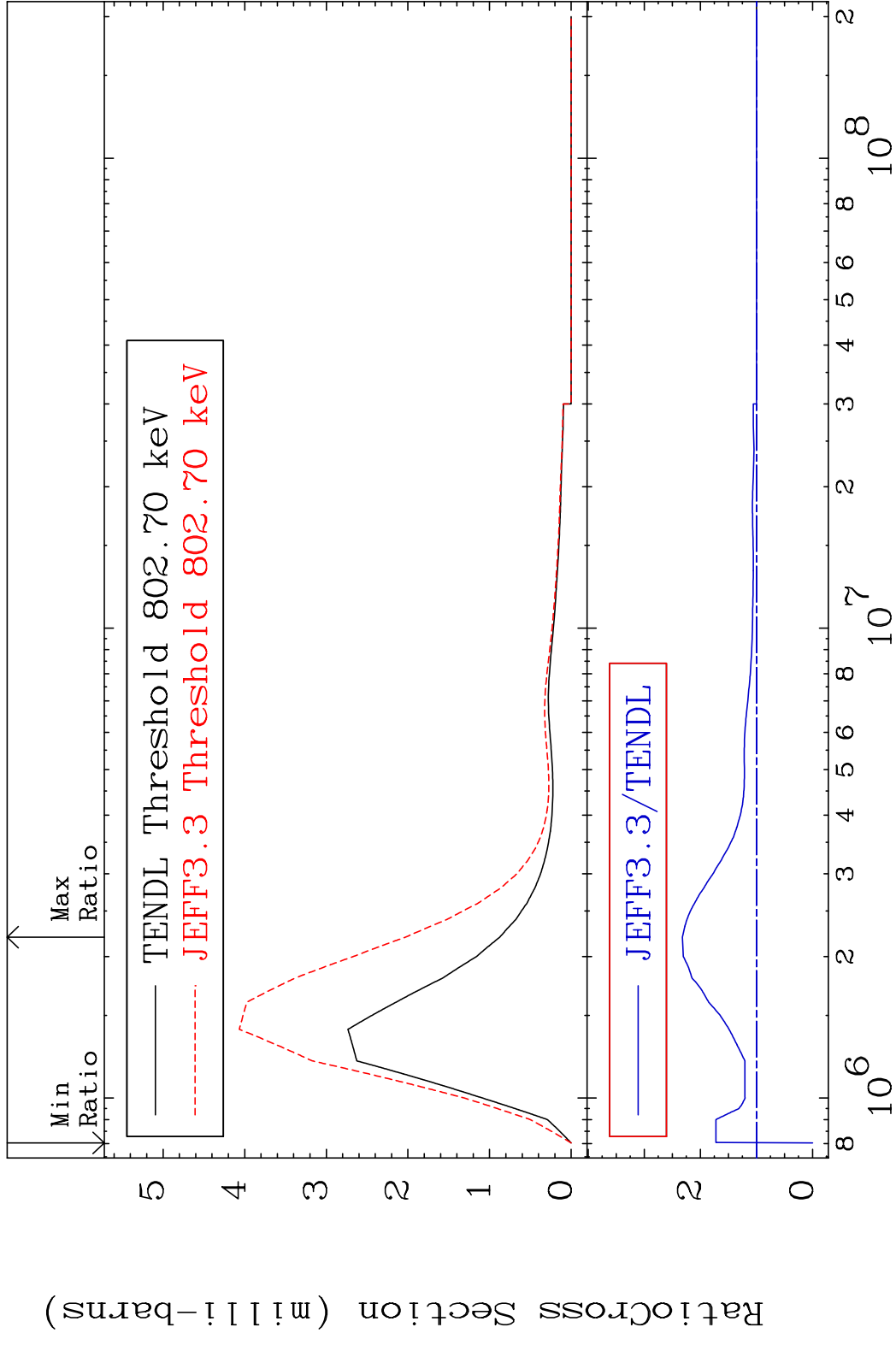


40 Incident Energy (eV) 71-Lu-175

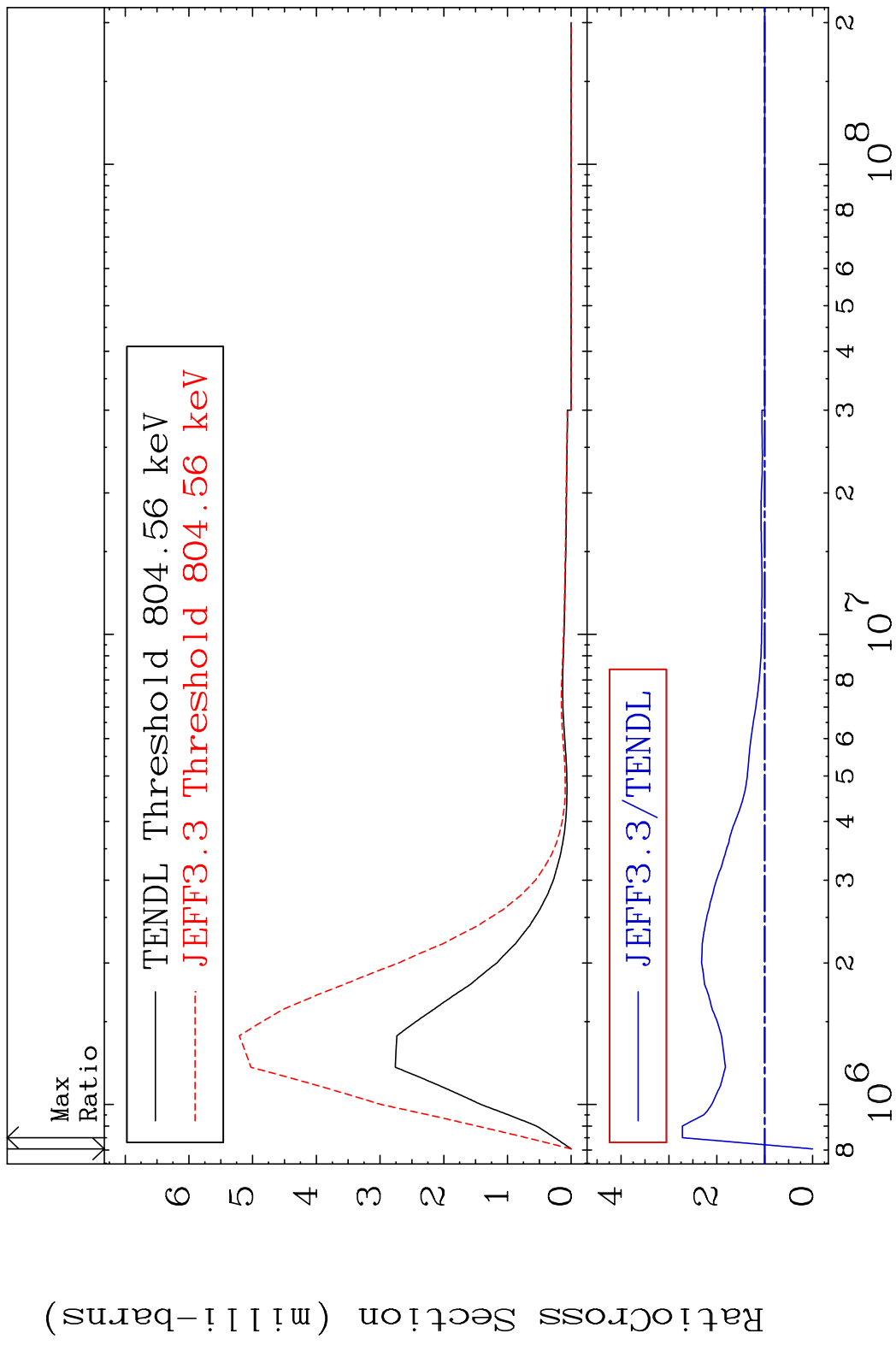
MAT 7125 MT= 71 (n,n') Level 71-Lu-175
 Cross Section -100.0 To 117.9 %



MAT 7125 MT= 72 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 132.1 %

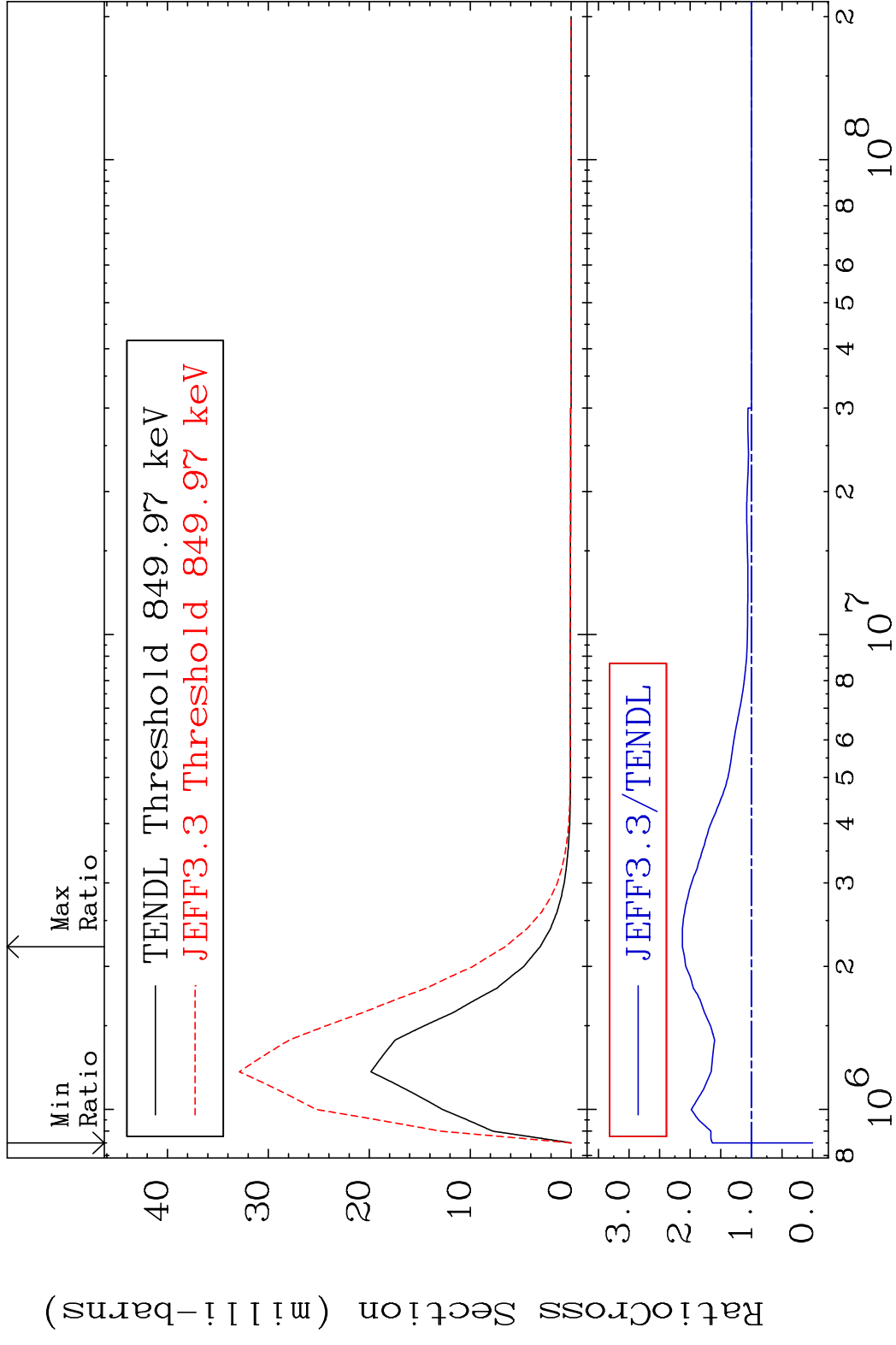


MAT 7125 MT= 73 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 172.0 %

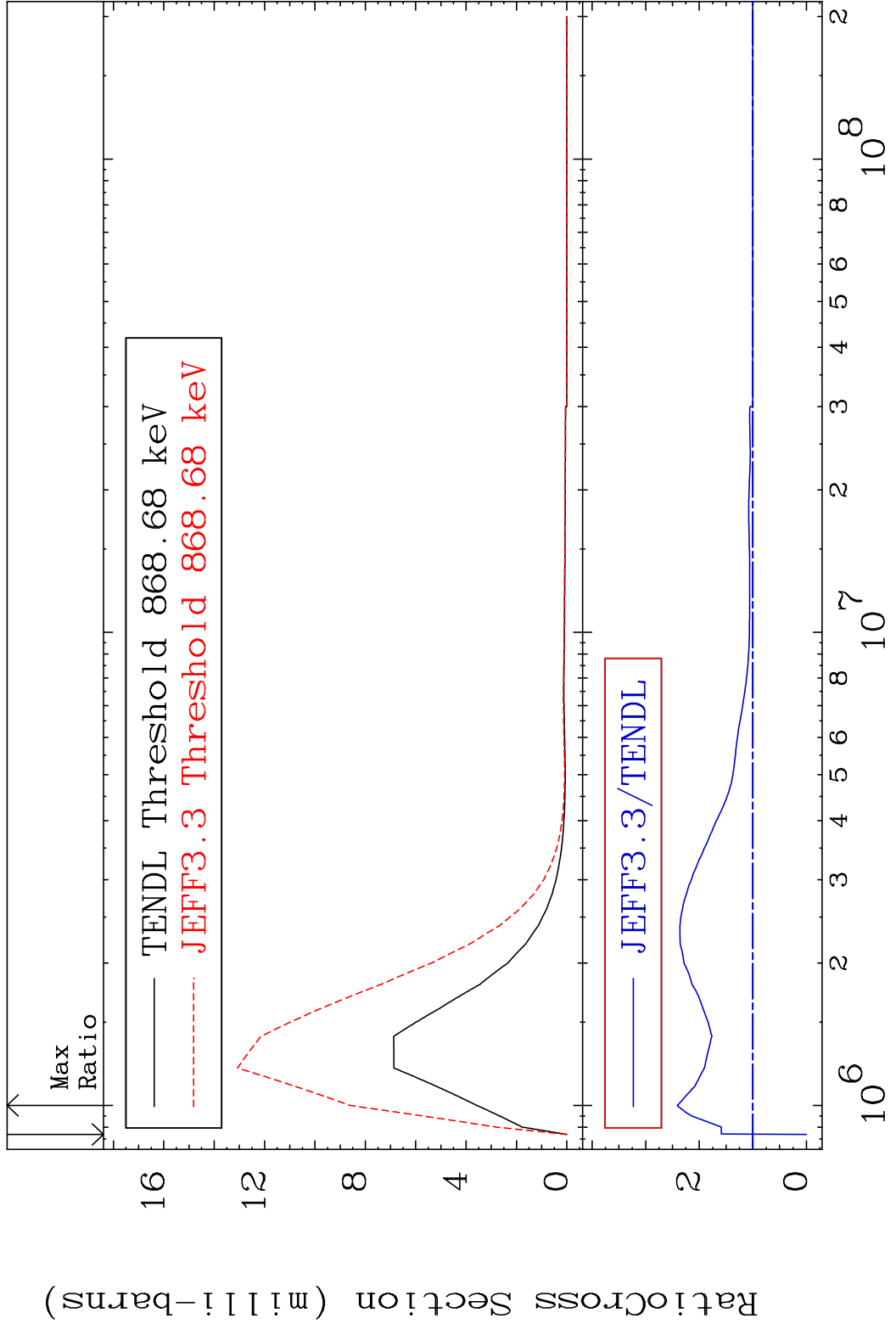


43 Incident Energy (eV) 71-Lu-175

MAT 7125 MT= 74 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 112.8 %

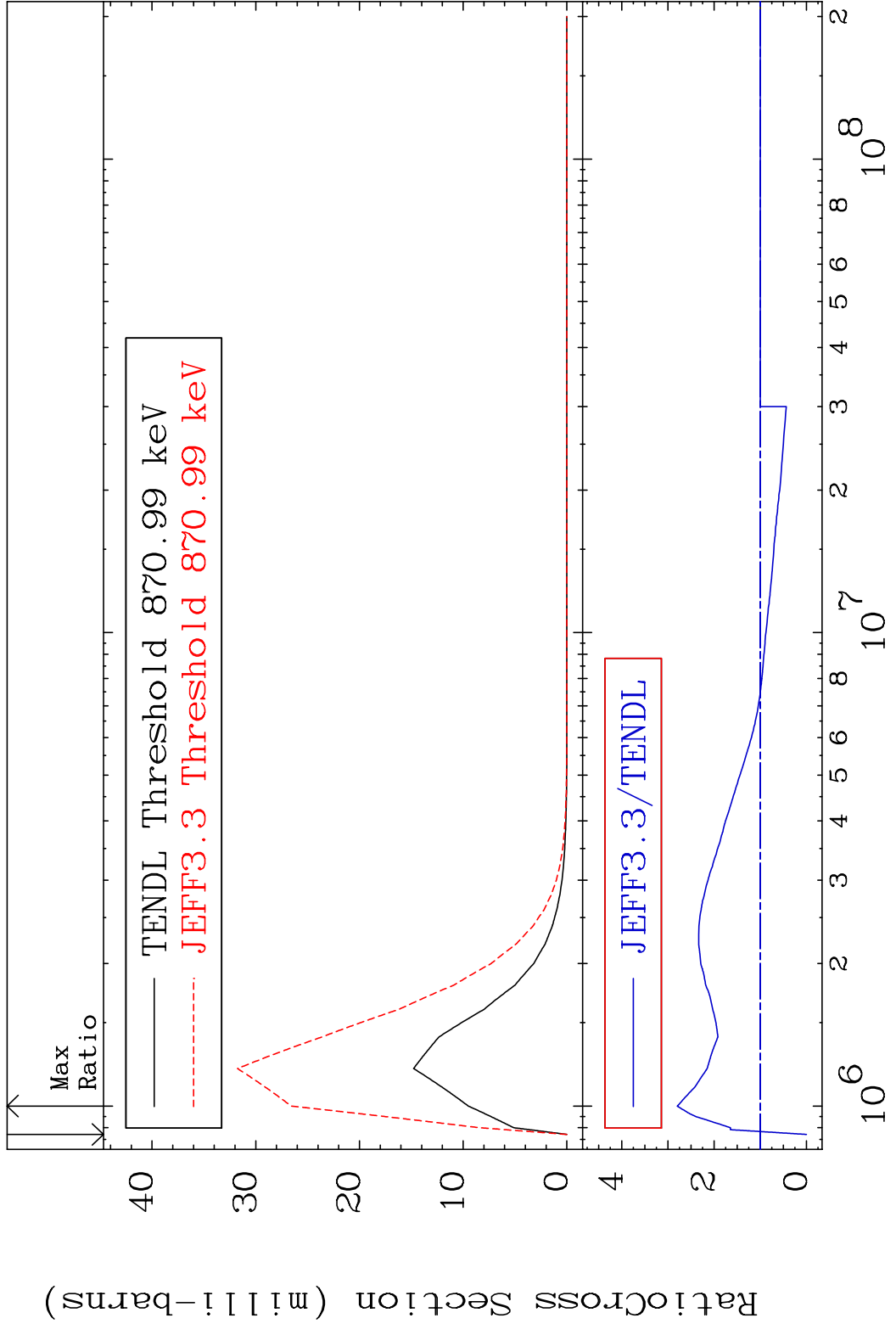


MAT 7125 MT= 75 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 141.2 %

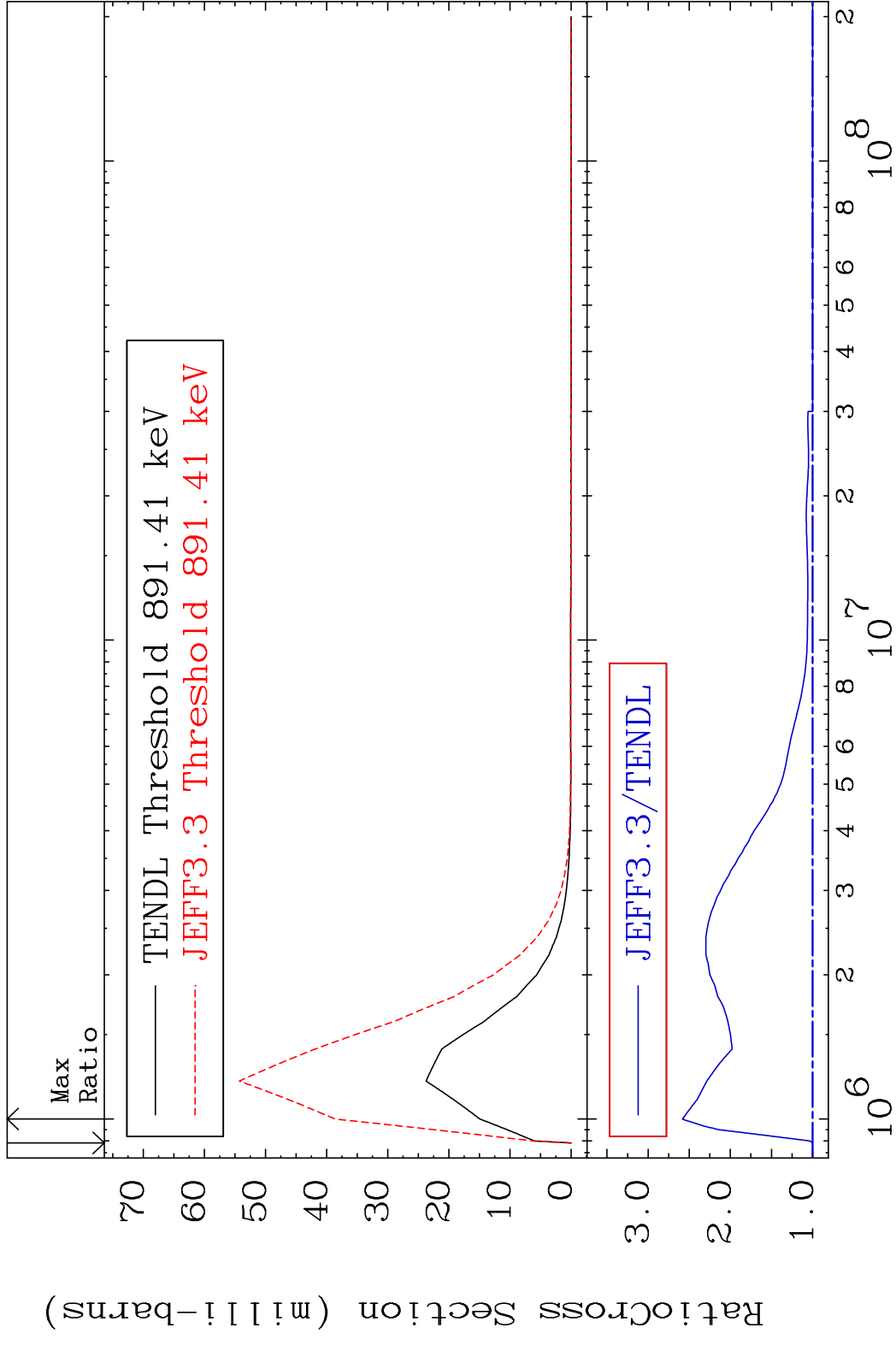


45 Incident Energy (eV) 71-Lu-175

MAT 7125 MT= 76 (n,n') Level 71-Lu-175
 Cross Section -100.0 To 179.8 %

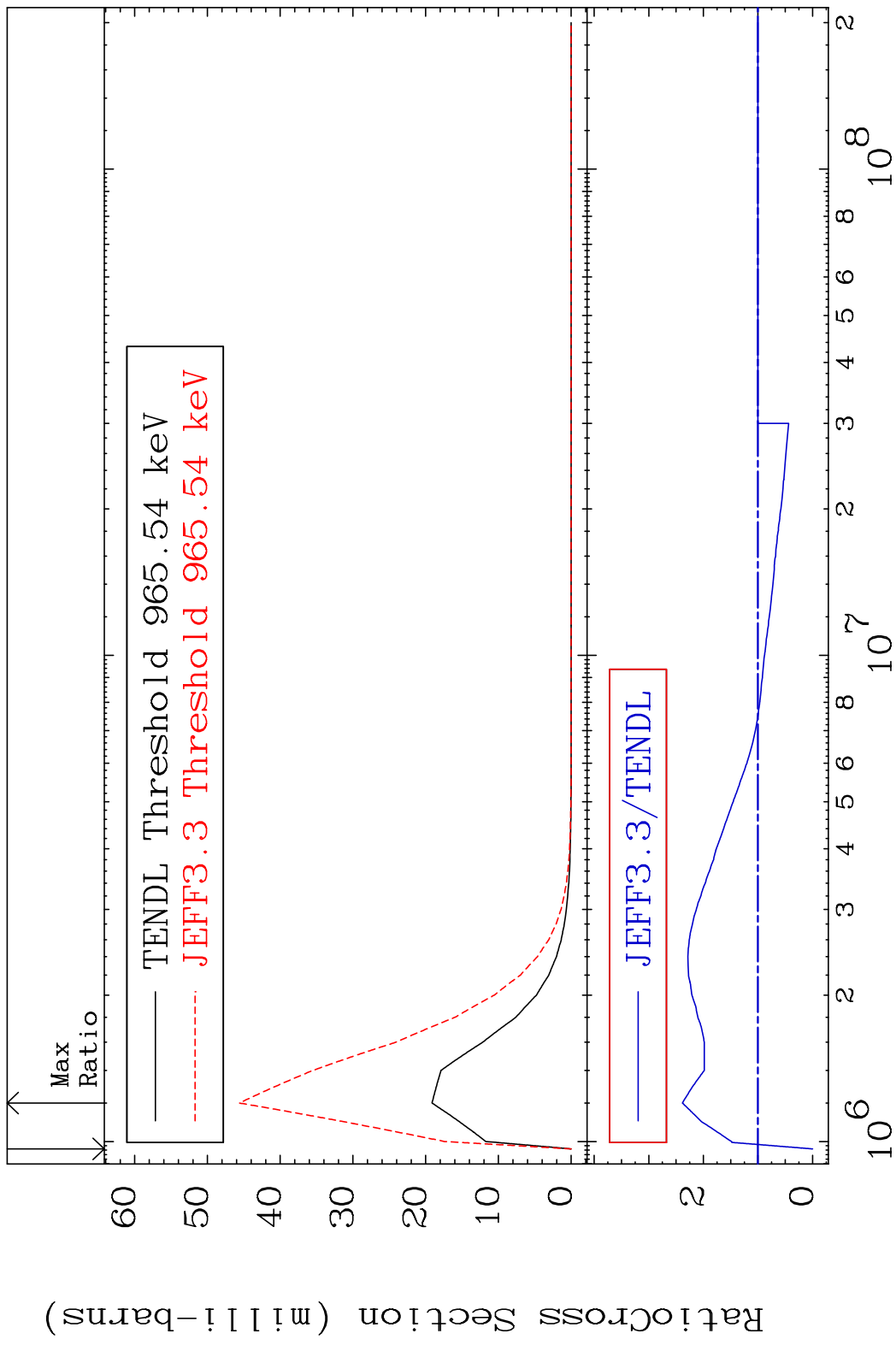


MAT 7125 MT= 77 (n, n') Level 71-Lu-175
 Cross Section 0.000 To 158.4 %



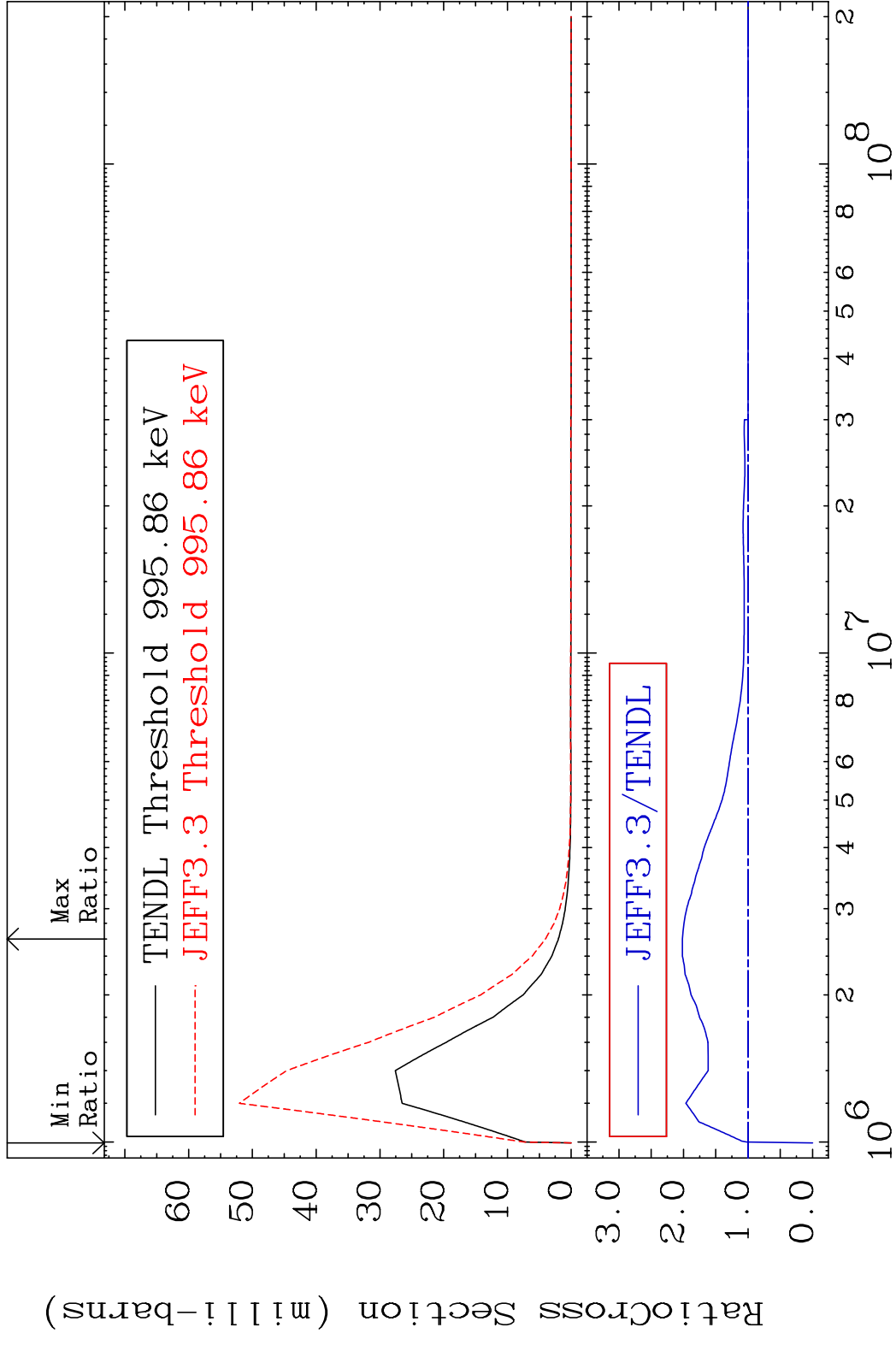
47 Incident Energy (eV) 71-Lu-175

MAT 7125 MT= 78 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 138.5 %



48 Incident Energy (eV) 71-Lu-175

MAT 7125 MT= 79 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 101.8 %



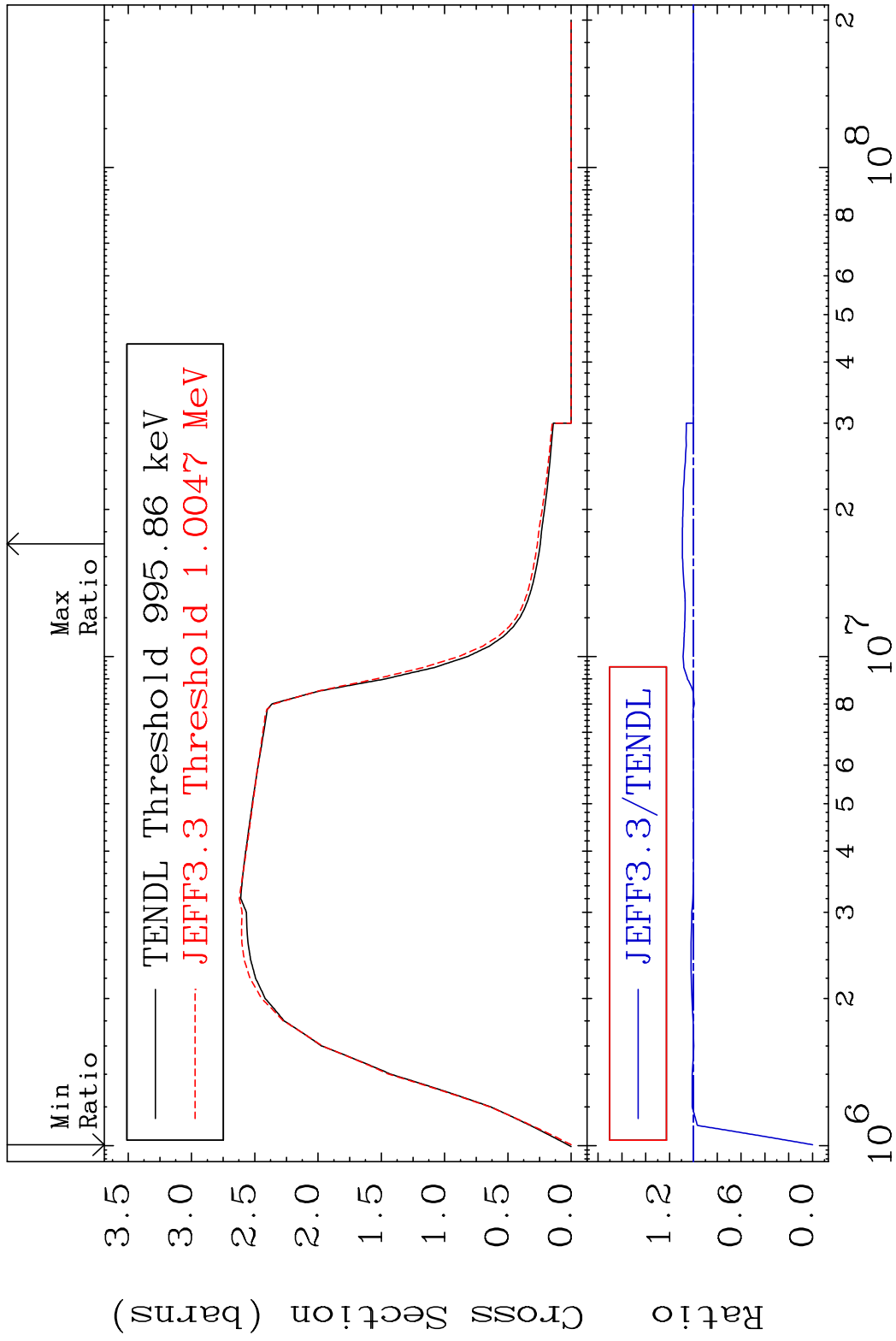
49 Incident Energy (eV) 71-Lu-175

MAT 7125

(n, n') Continuum

71-Lu-175

Cross Section -100.0 To 9.265 %



50

Incident Energy (eV)

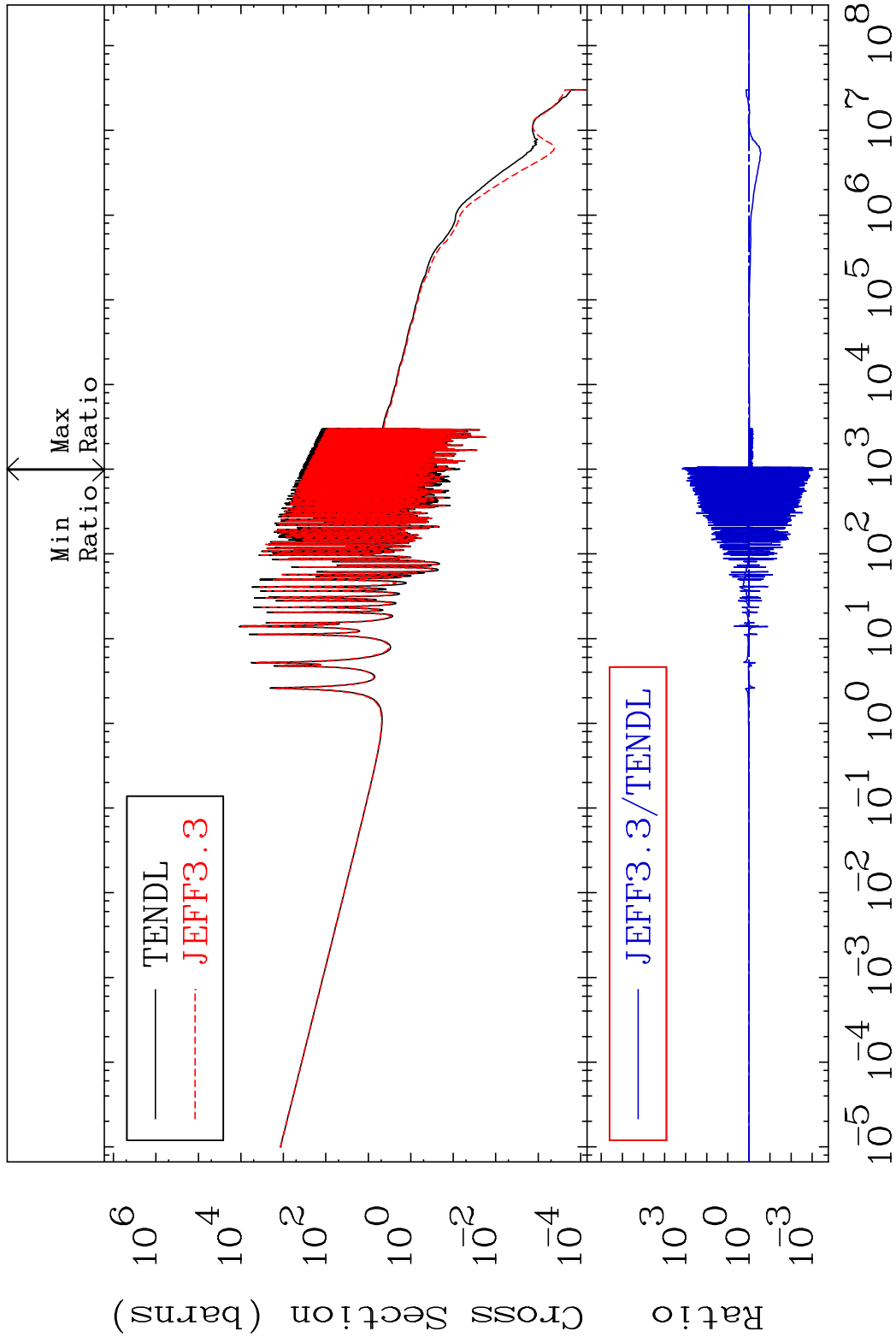
71-Lu-175

MAT 7125

(n, γ)

71-Lu-175

Cross Section -99.90 To 9999. %



51

Incident Energy (eV)

71-Lu-175

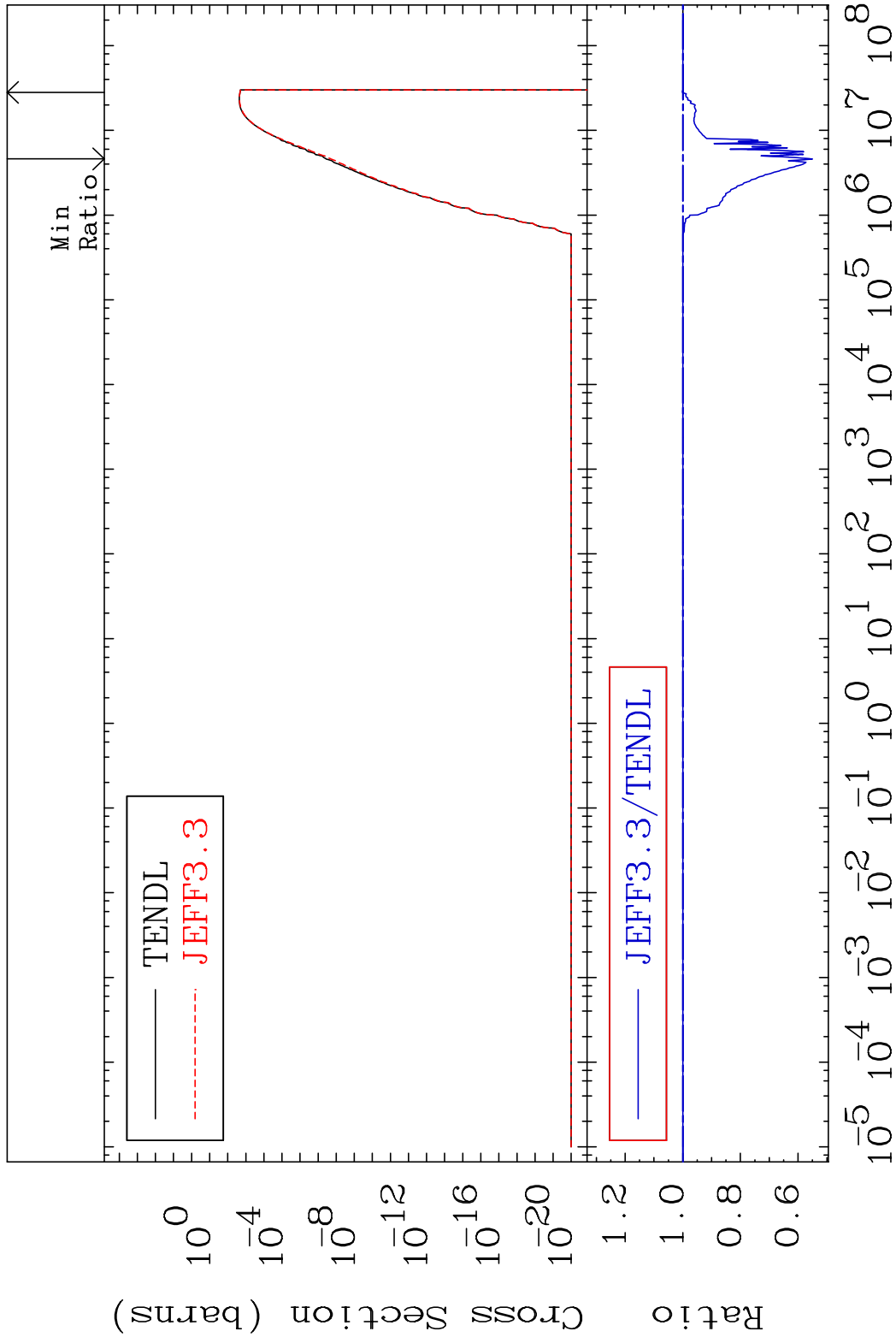
MAT 7125

(n, p)

71-Lu-175

Cross Section

-45.03 To 0.155 %

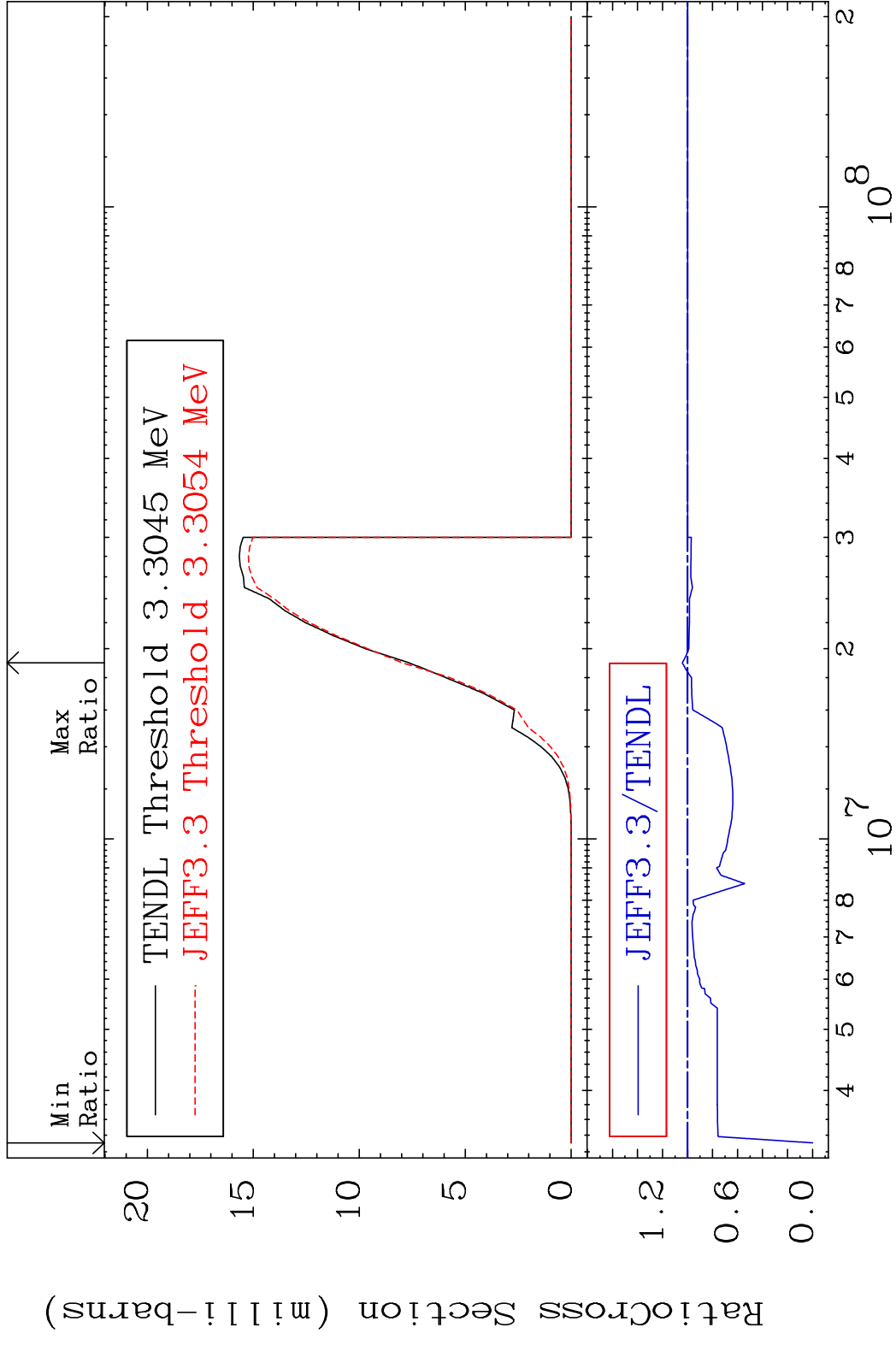


MAT 7125

71-Lu-175

(n,d)

Cross Section -100.0 To 4.135 %

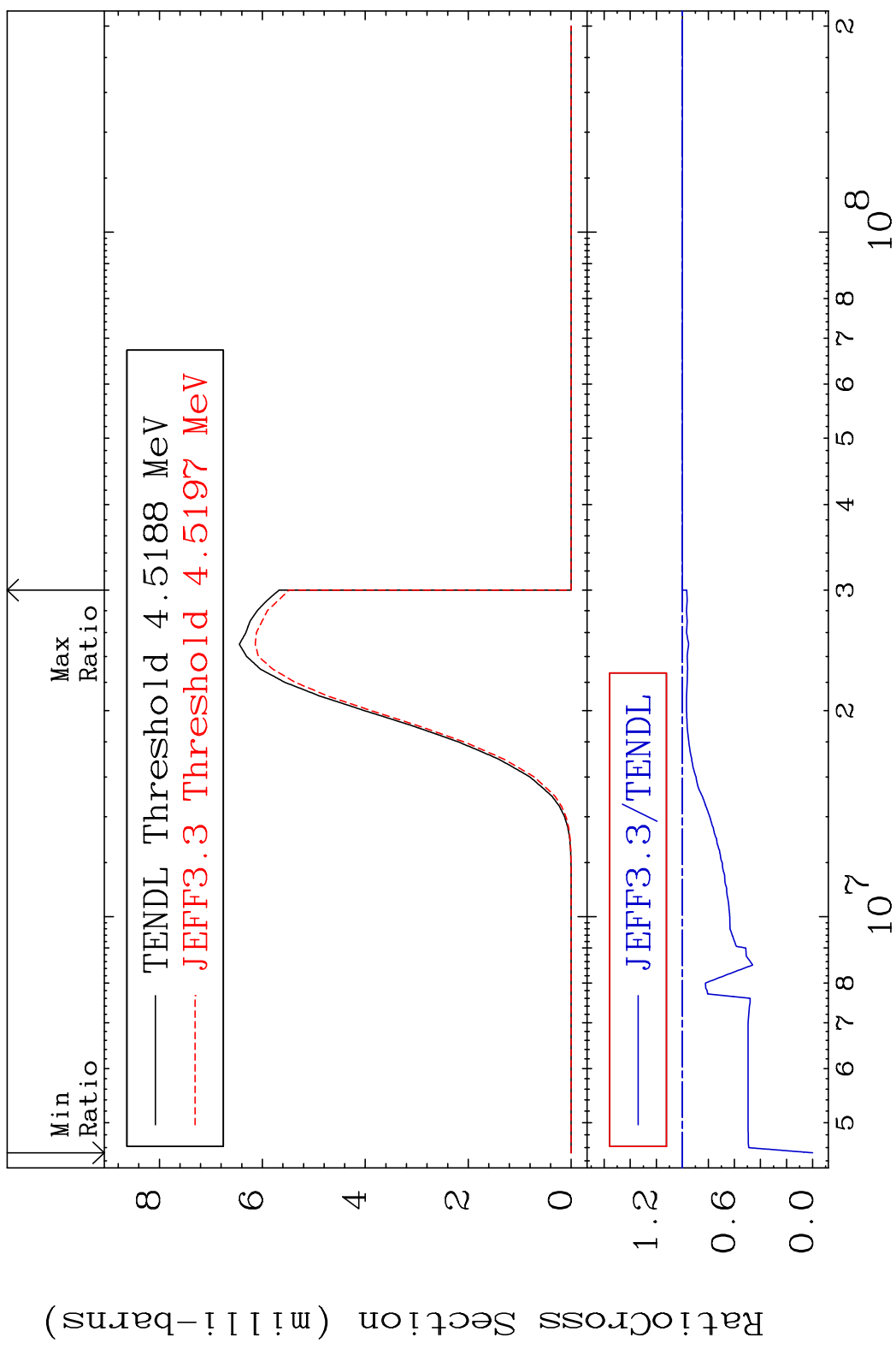


MAT 7125

(n, t)

71-Lu-175

Cross Section -100.0 To 0.000 %

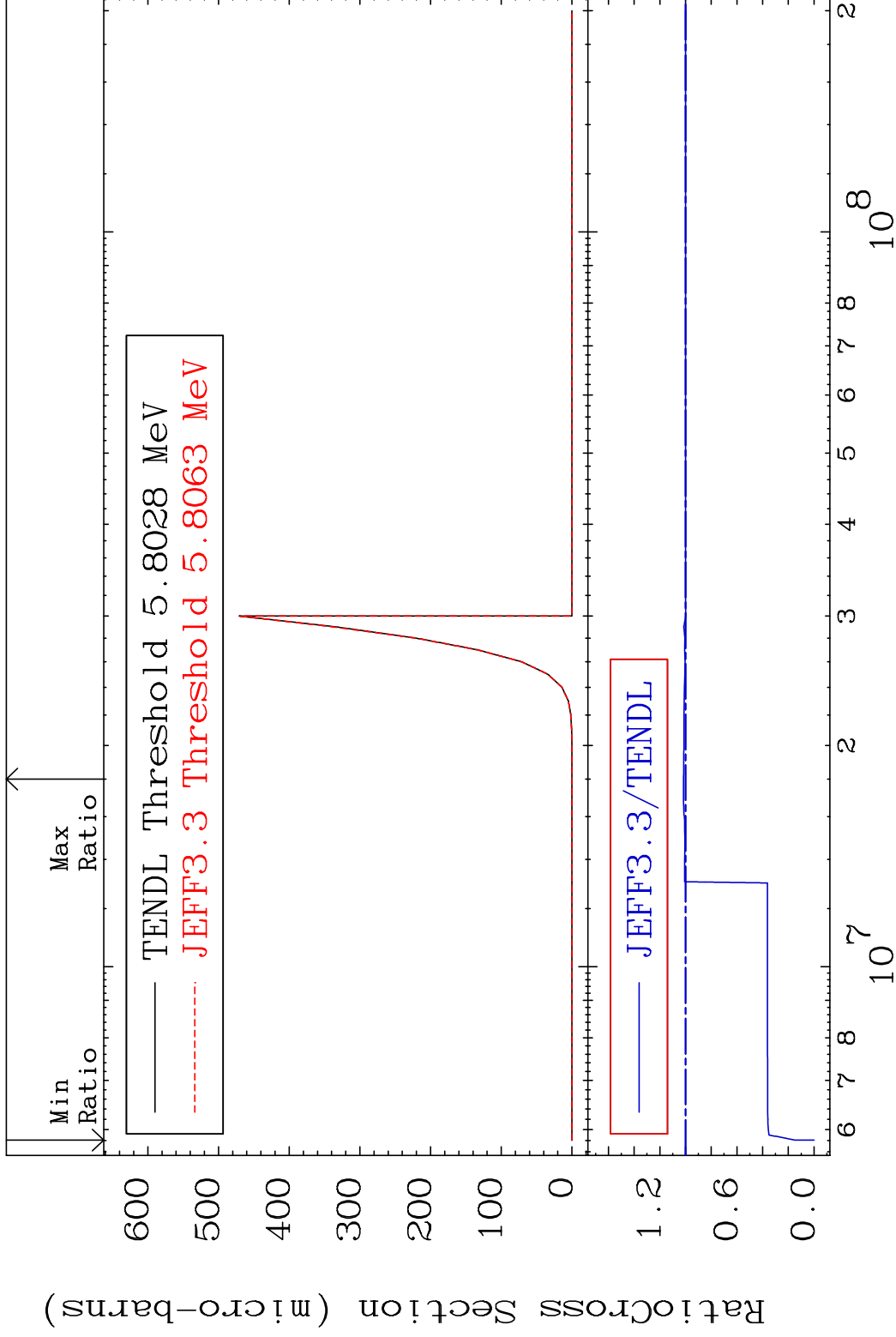


MAT 7125

(n, He-3)

71-Lu-175

Cross Section -100.0 To 1.612 %



55

Incident Energy (eV)

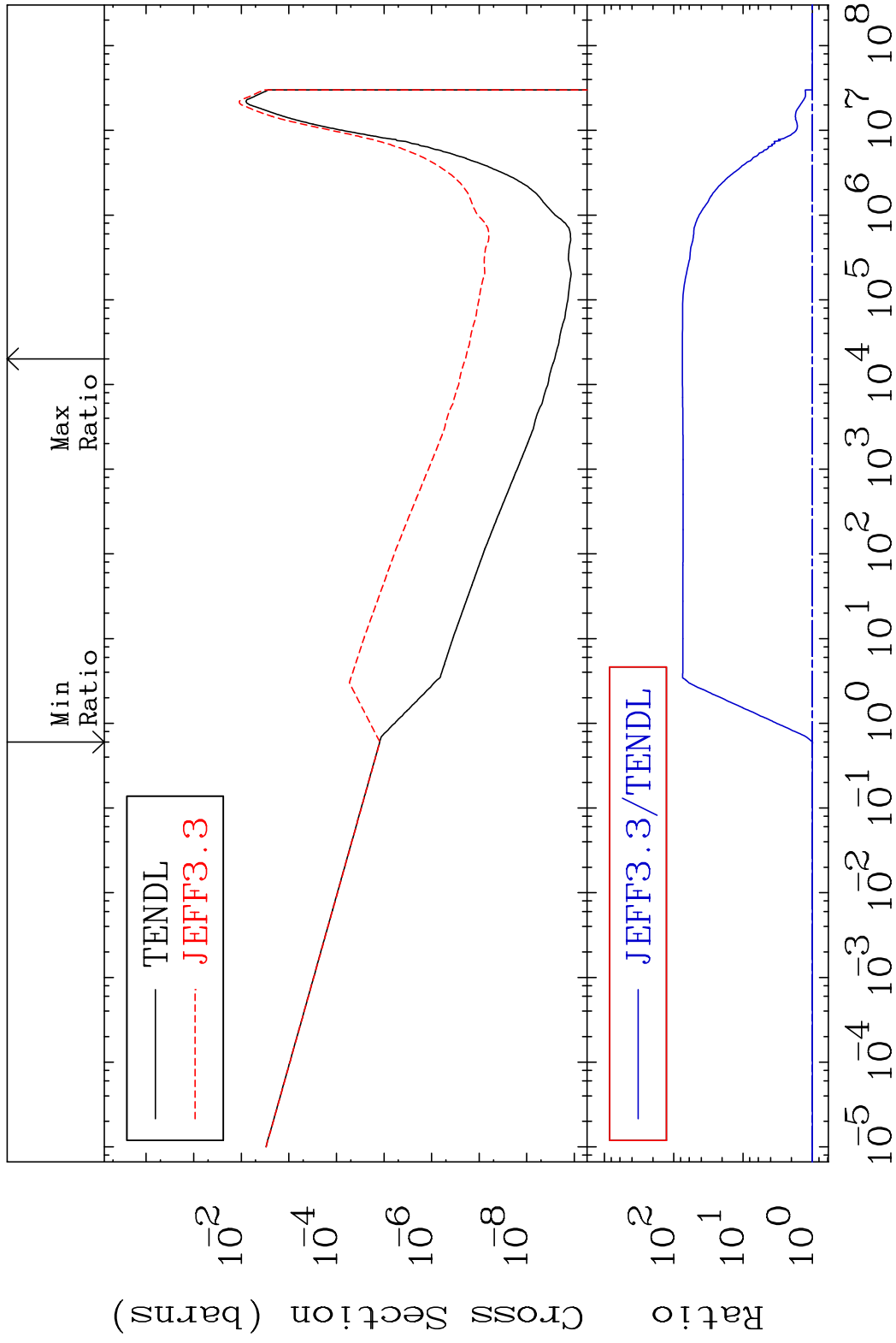
71-Lu-175

MAT 7125

71-Lu-175

(n, α)

Cross Section -0.918 To 7413. %



56

Incident Energy (eV)

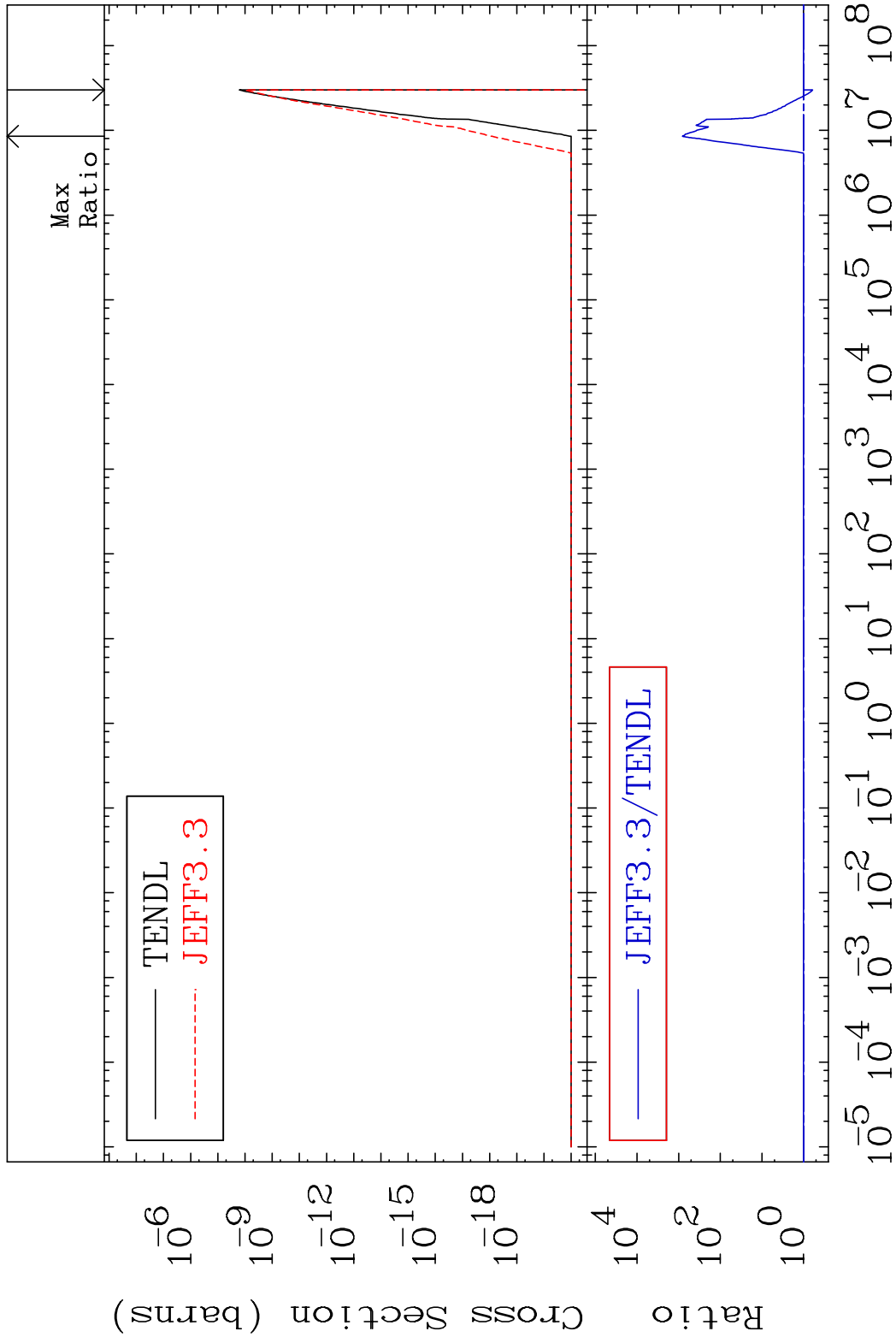
71-Lu-175

MAT 7125

(n, 2α)

71-Lu-175

Cross Section -39.07 To 9999. %

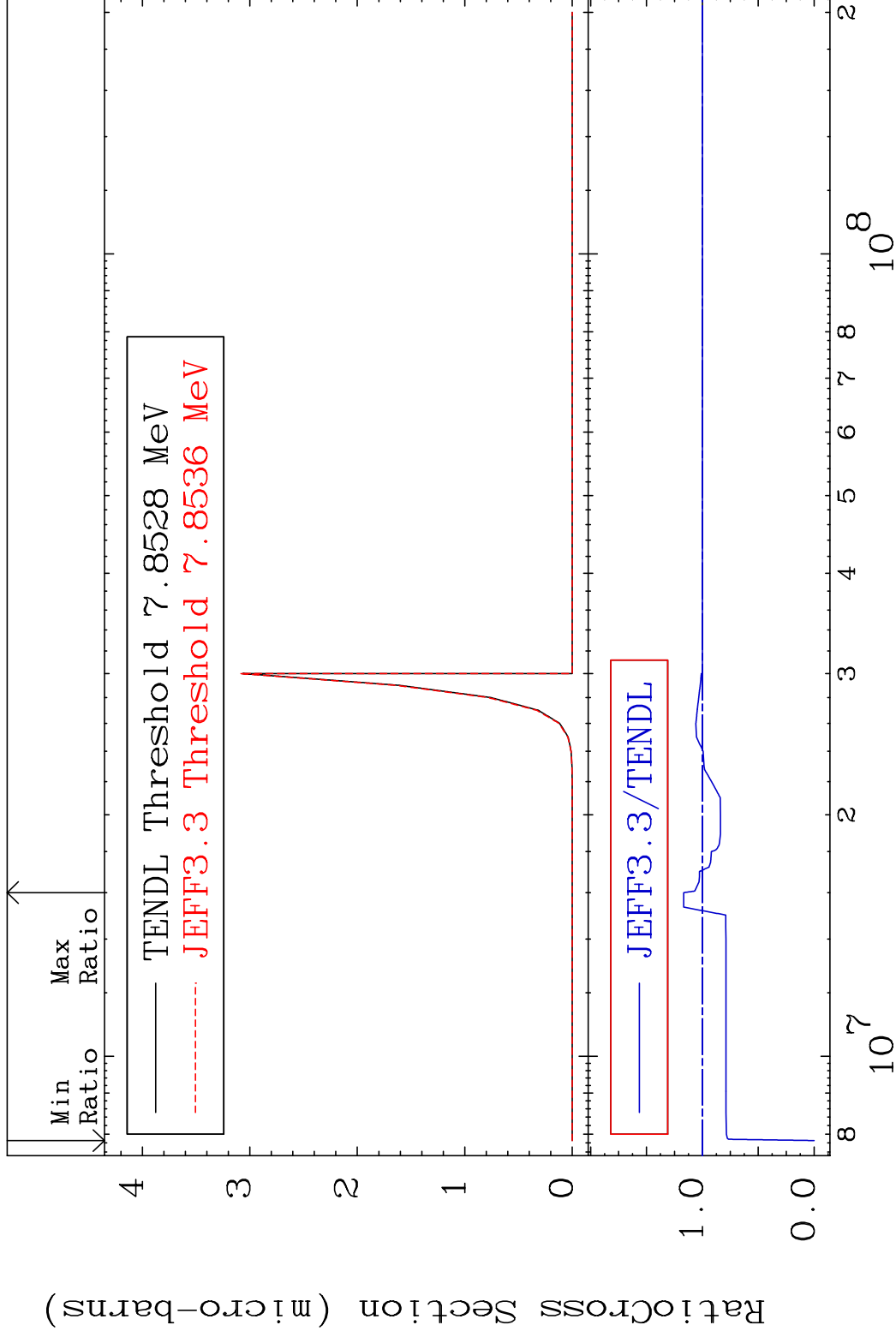


MAT 7125

(n,2p)

71-Lu-175

Cross Section -100.0 To 16.75 %



58

Incident Energy (eV)

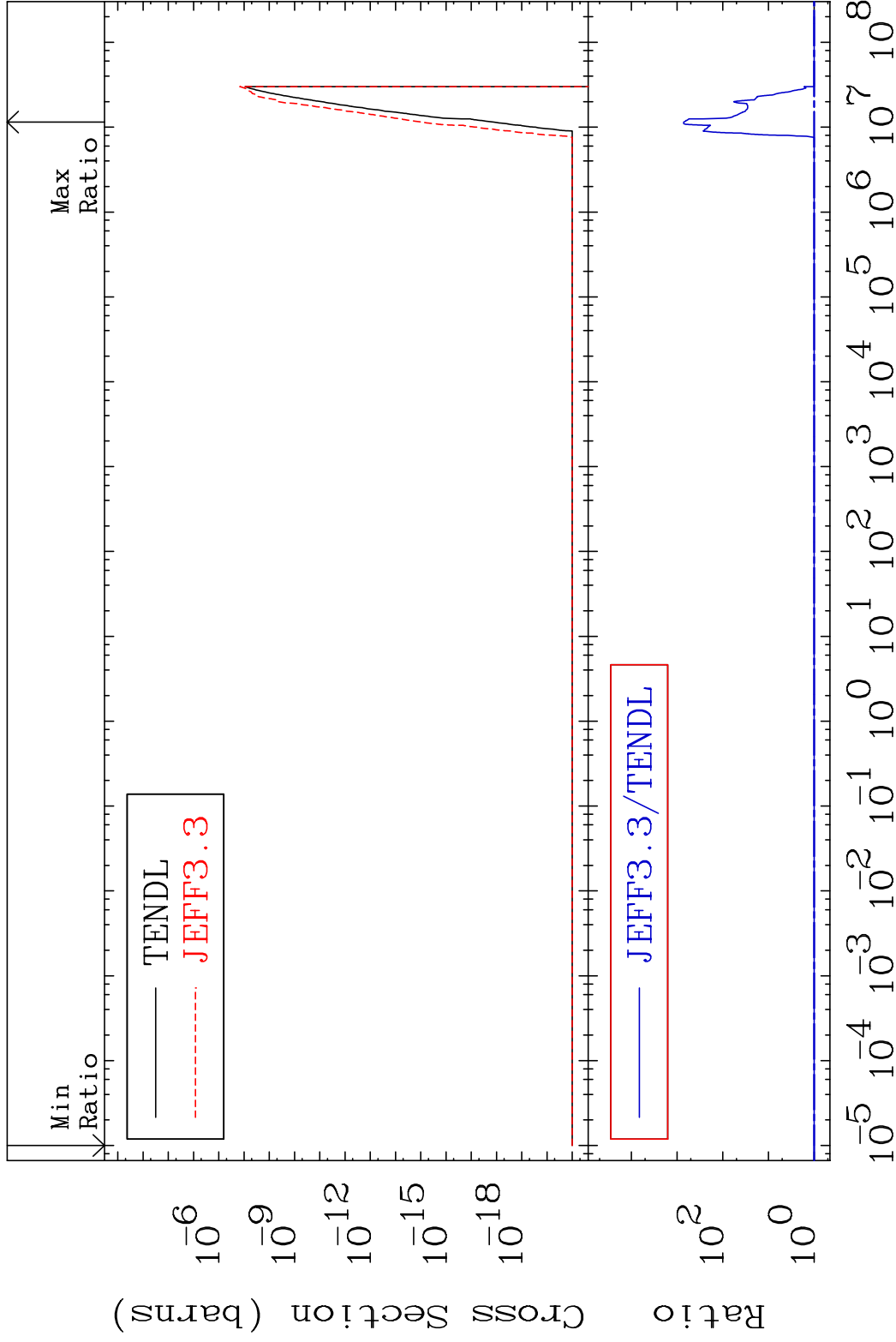
71-Lu-175

MAT 7125

(n,p) α

71-Lu-175

Cross Section 0.000 To 9999. %

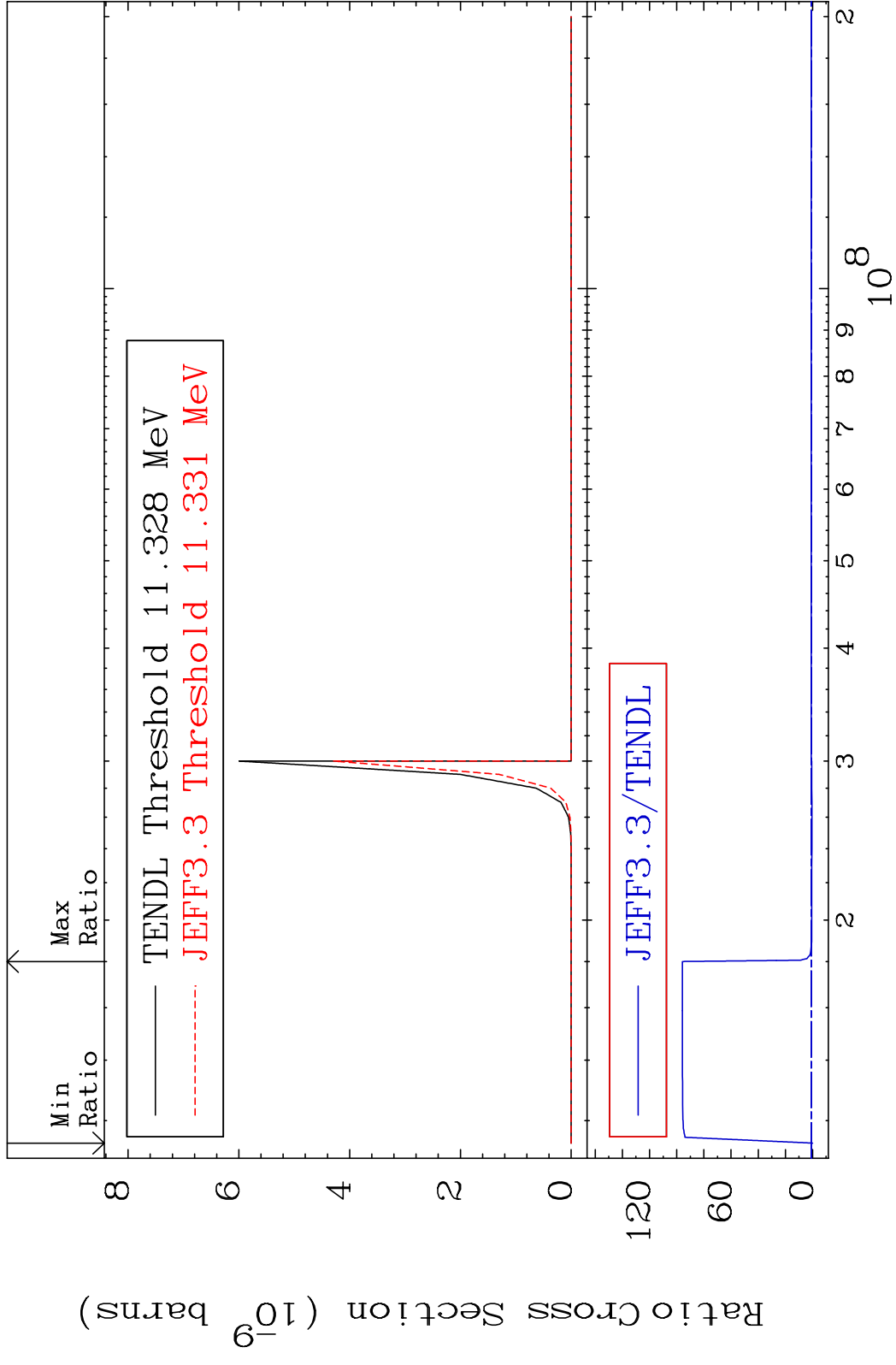


59

Incident Energy (eV)

71-Lu-175

MAT 7125 (n,p) d 71-Lu-175
 Cross Section -100.0 To 9484. %



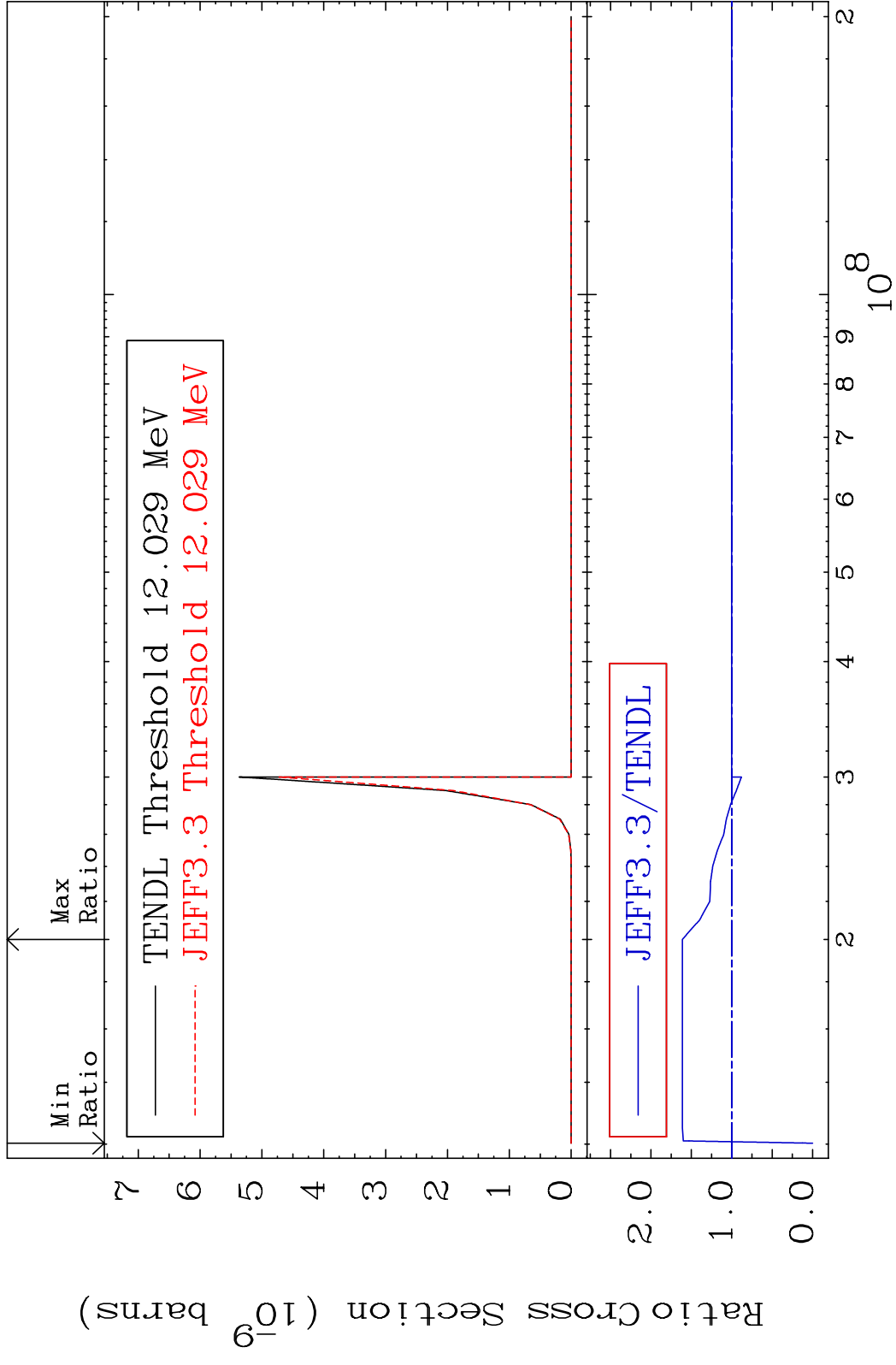
60 Incident Energy (eV) 71-Lu-175

MAT 7125

(n,p) t

71-Lu-175

Cross Section -100.0 To 61.14 %

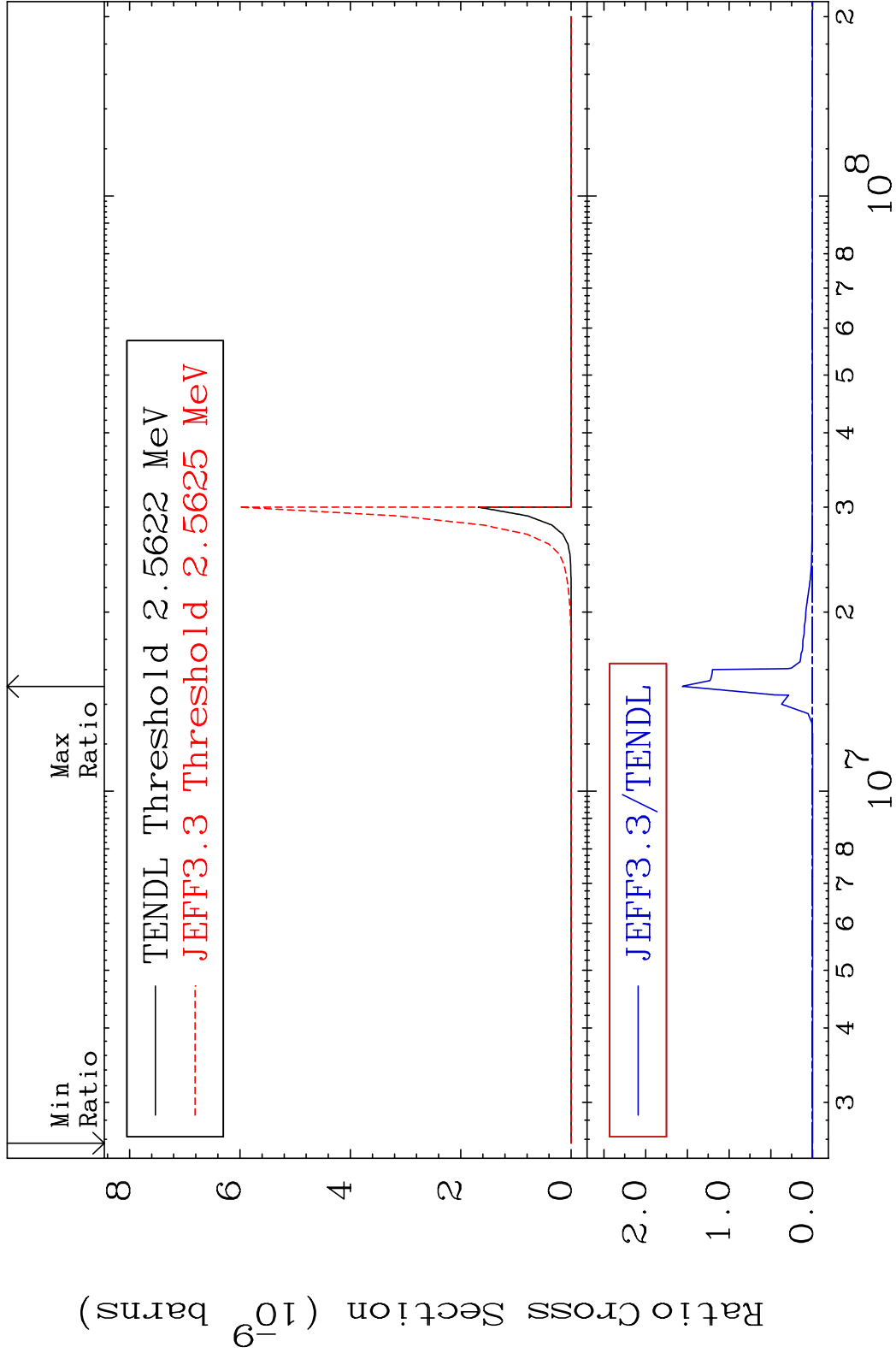


MAT 7125

(n,d) α

71-Lu-175

Cross Section -100.0 To 9999. %

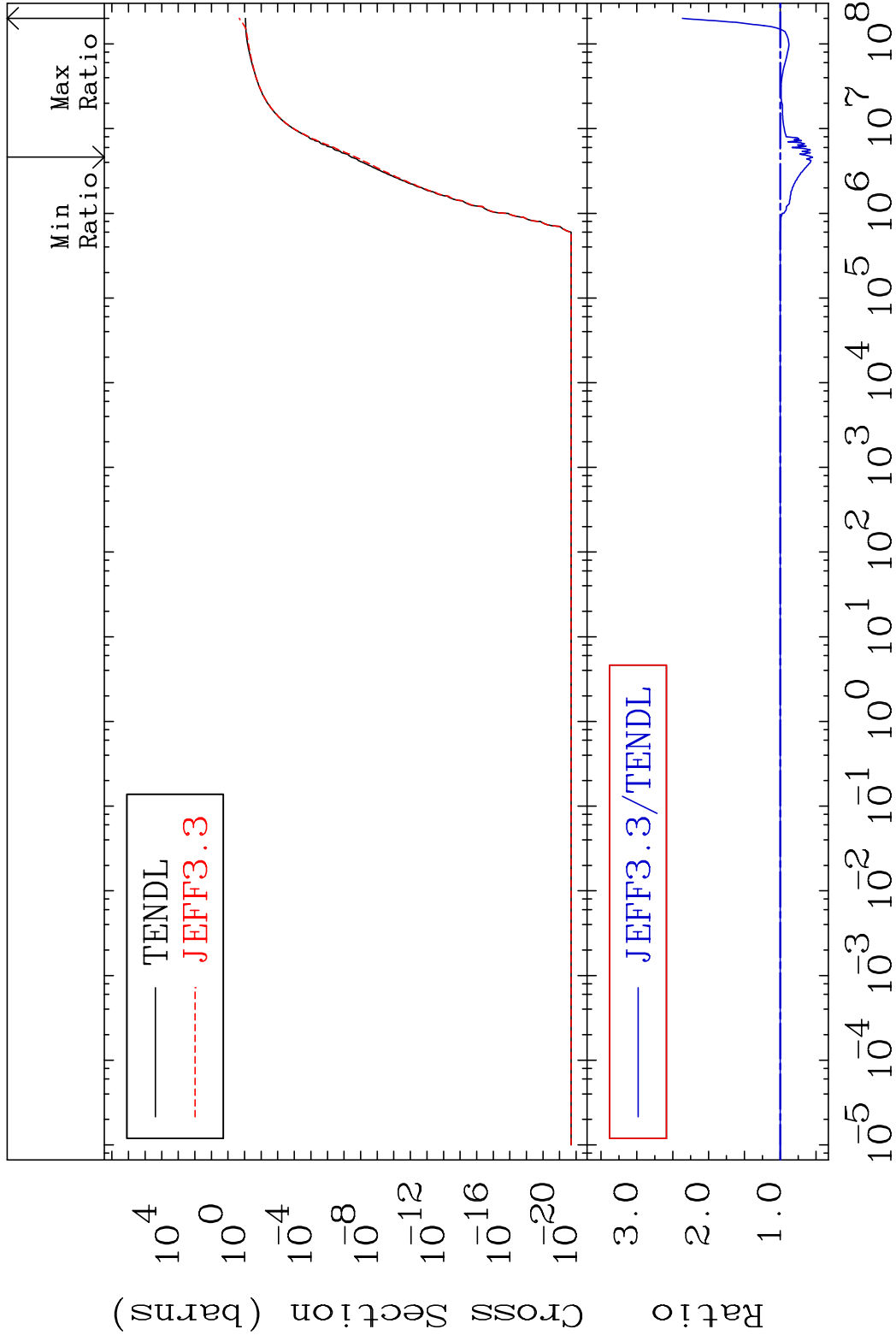


MAT 7125

Hydrogen Production

71-Lu-175

Cross Section -45.03 To 136.6 %



63

Incident Energy (eV)

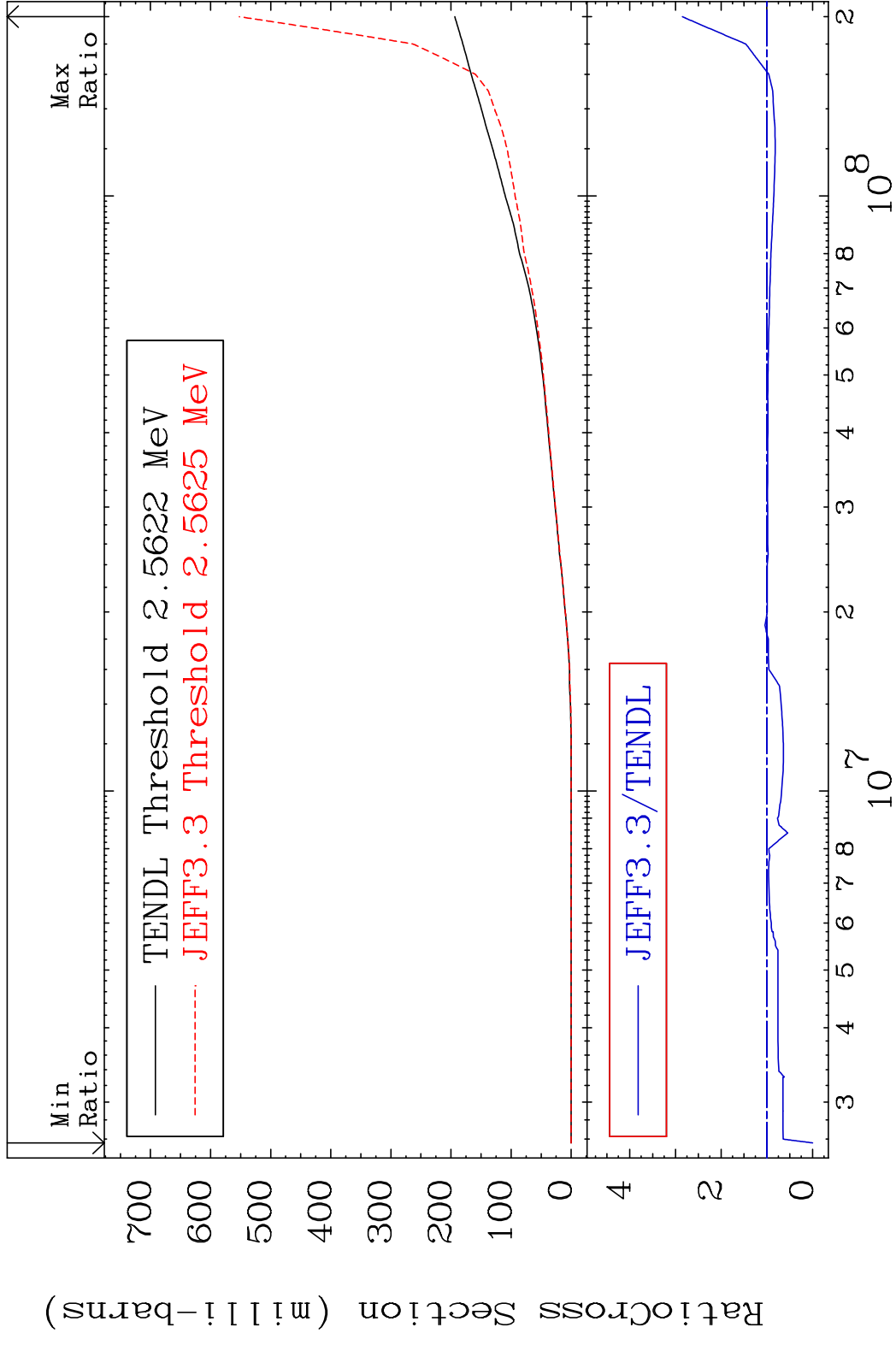
71-Lu-175

MAT 7125

Deuterium Production

71-Lu-175

Cross Section -100.0 To 185.0 %

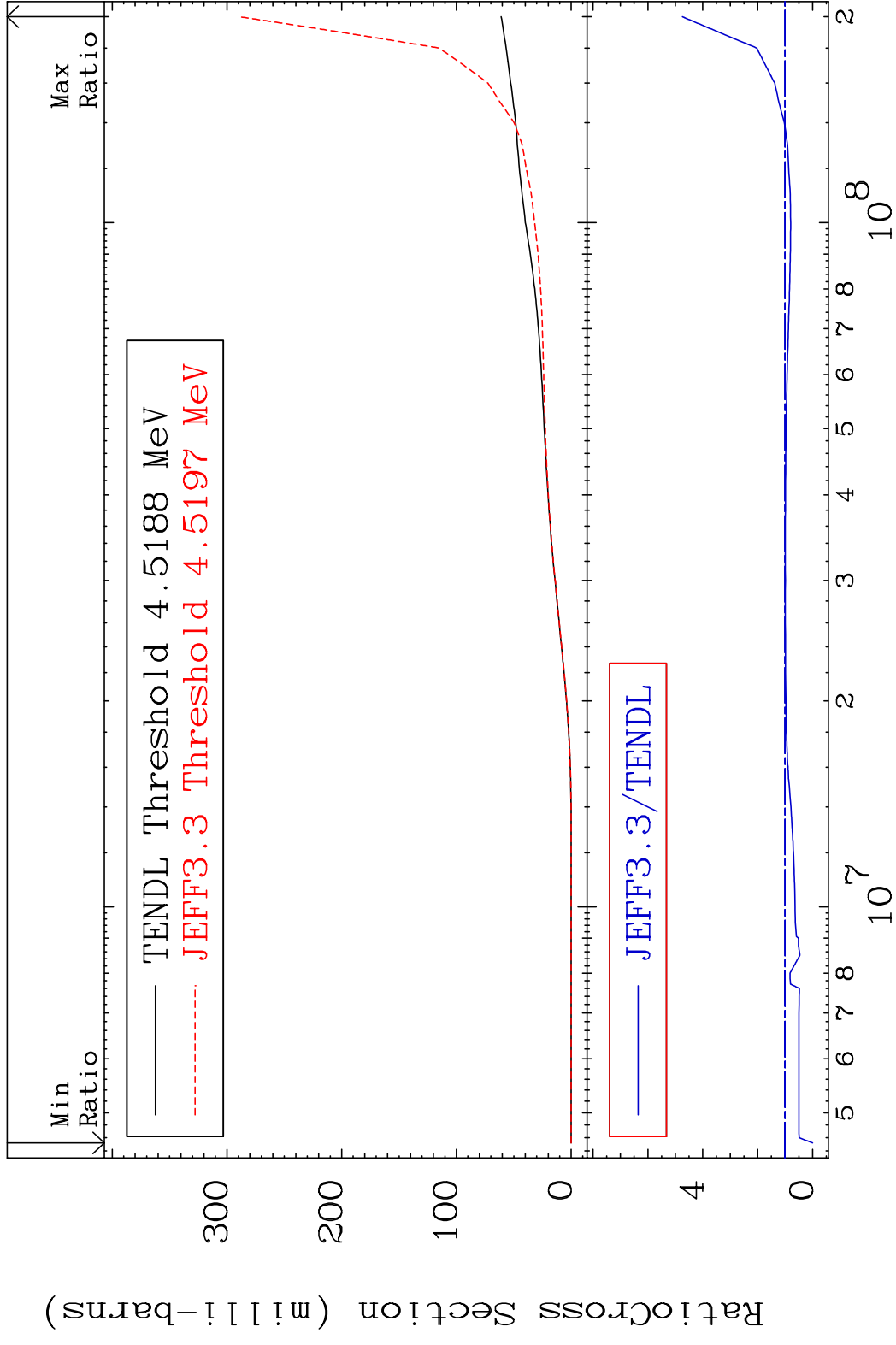


MAT 7125

Tritium Production

71-Lu-175

Cross Section -100.0 To 374.3 %

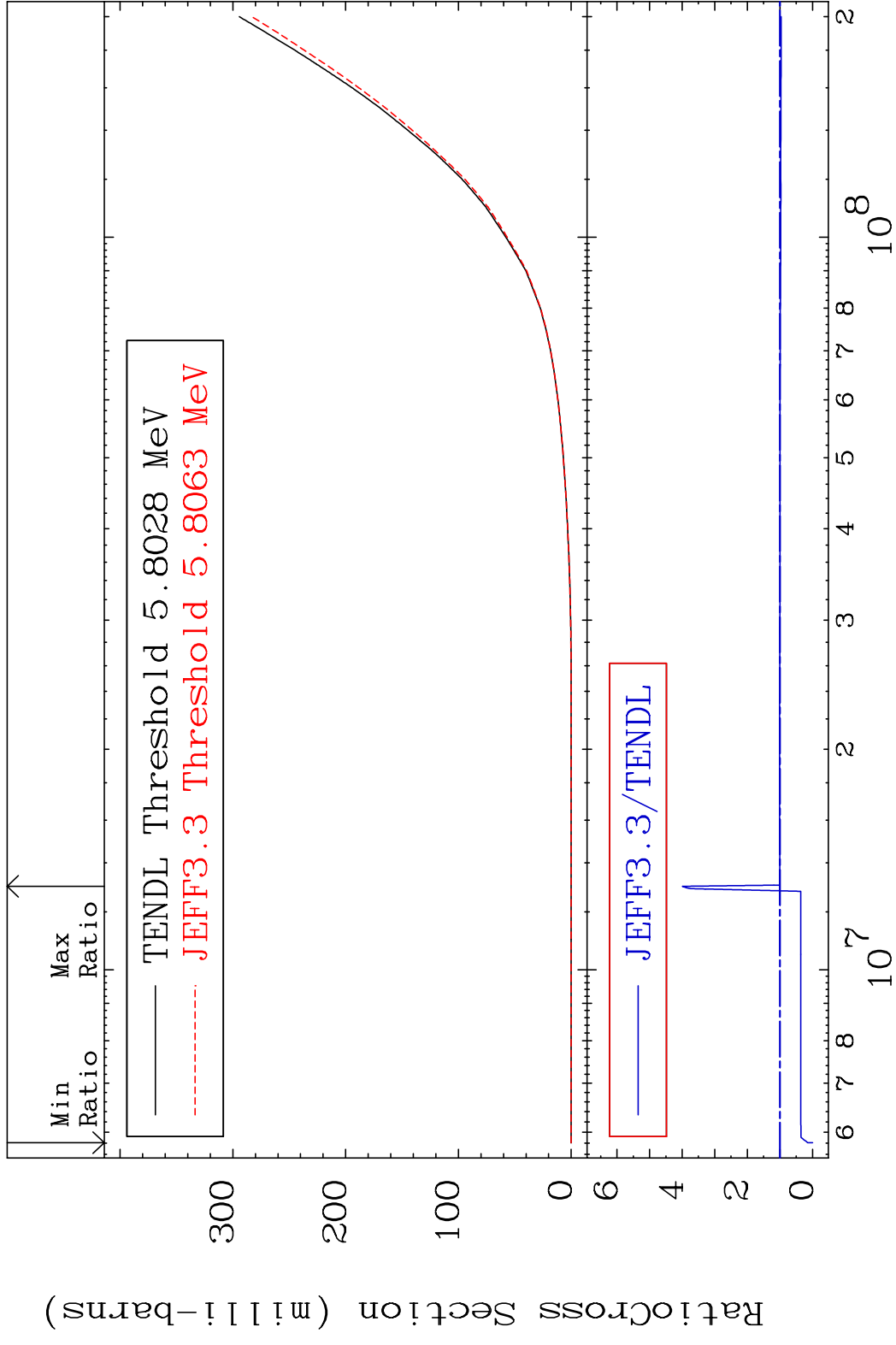


MAT 7125

He-3 Production

71-Lu-175

Cross Section -100.0 To 299.4 %

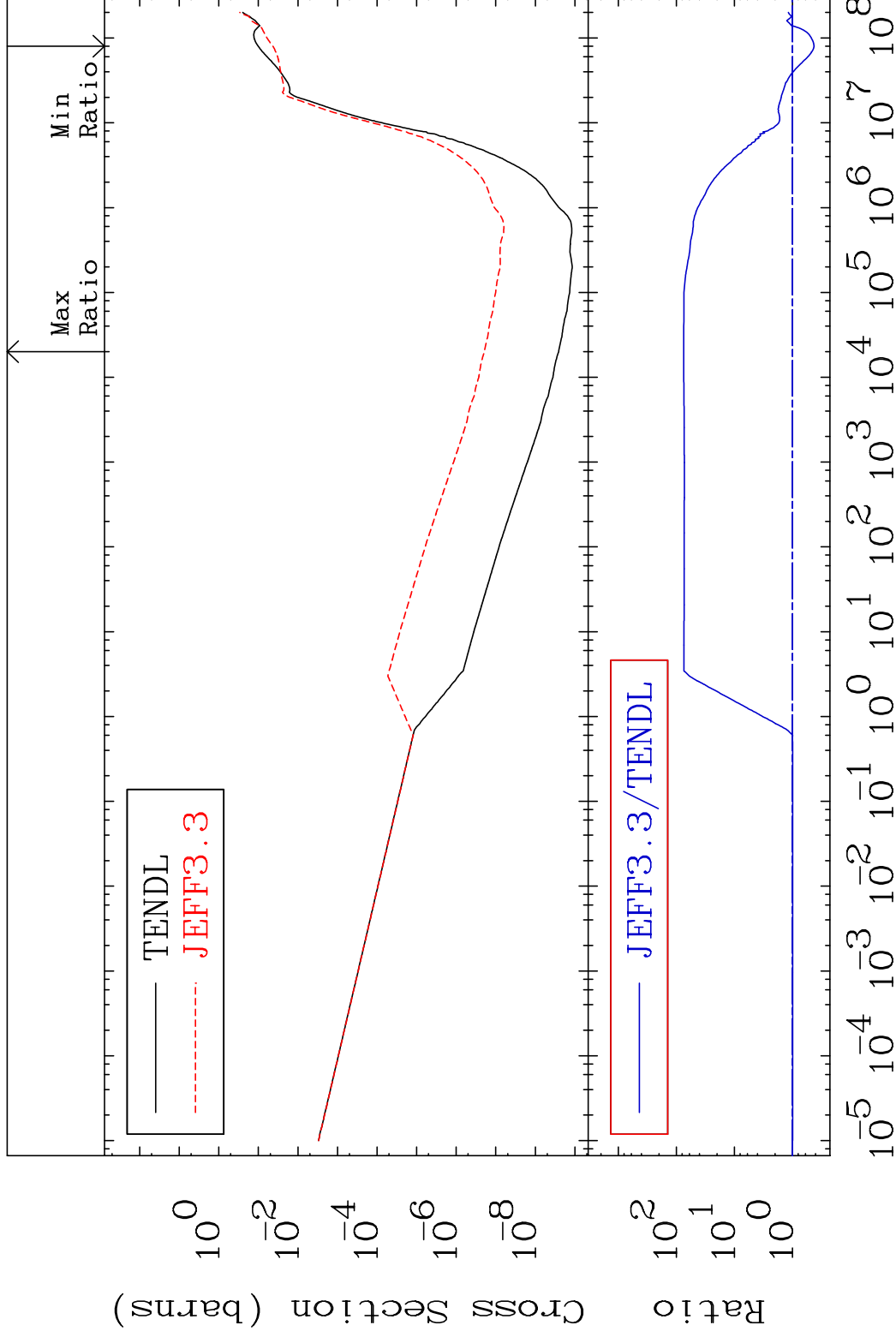


MAT 7125

He-4 Production

71-Lu-175

Cross Section -57.56 To 7413. %



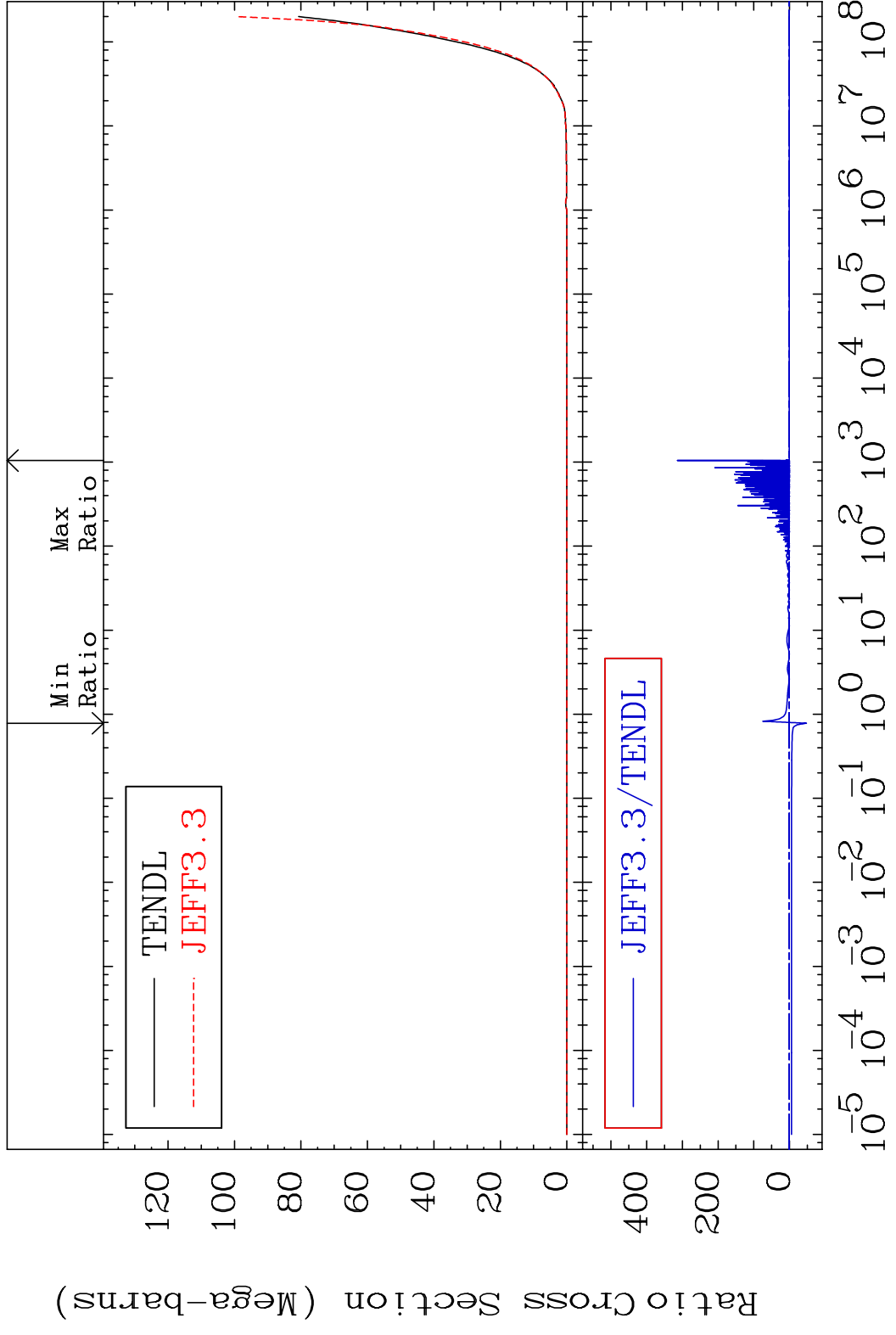
67

Incident Energy (eV)

71-Lu-175

MAT 7125

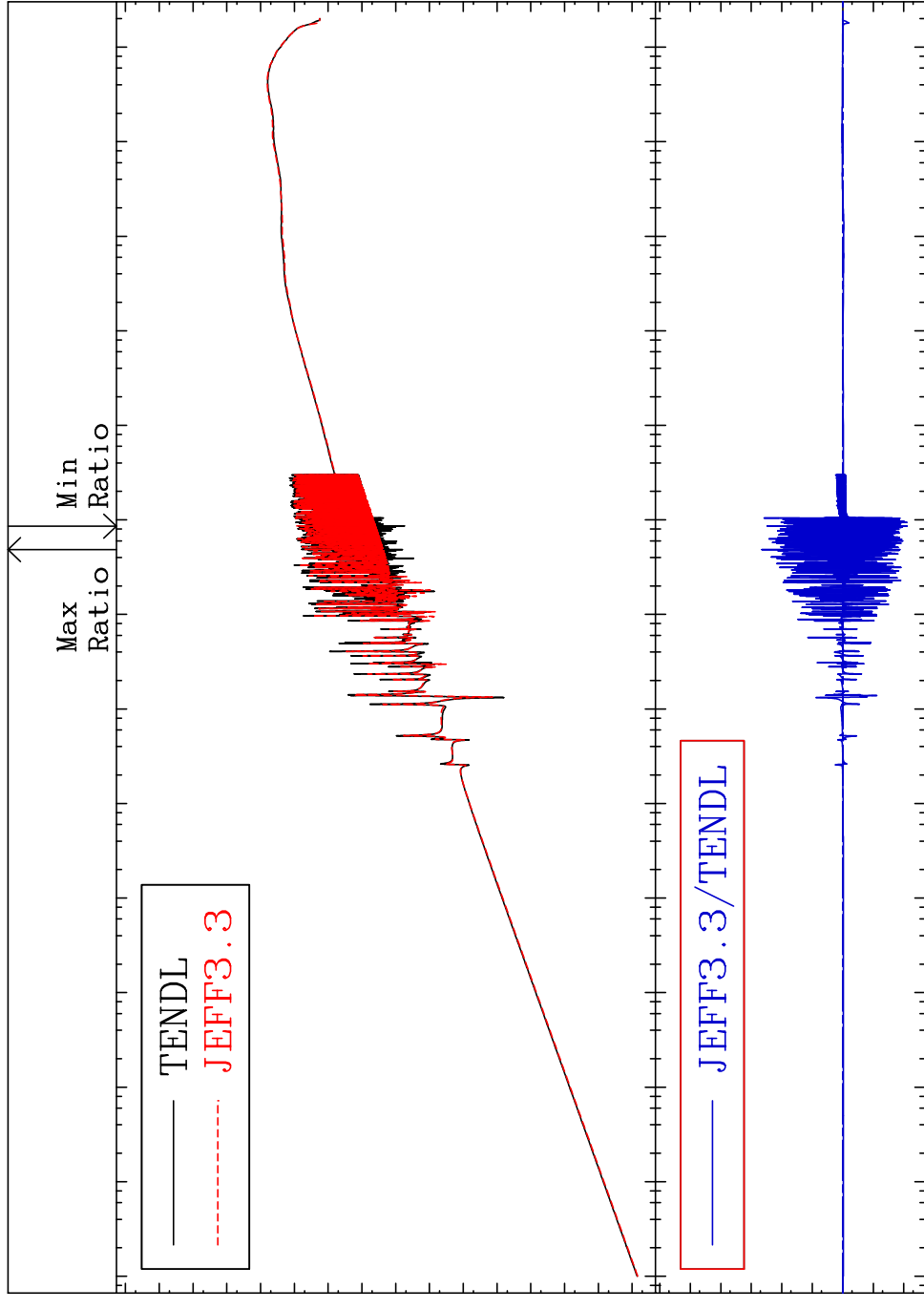
Kerma total (eV-barns) 71-Lu-175
Cross Section -4820. To 9999. %



MAT 7125

Kerma elastic
Cross Section -99.23 To 9999. %

71-Lu-175



Cross Section (barns)
Ratio

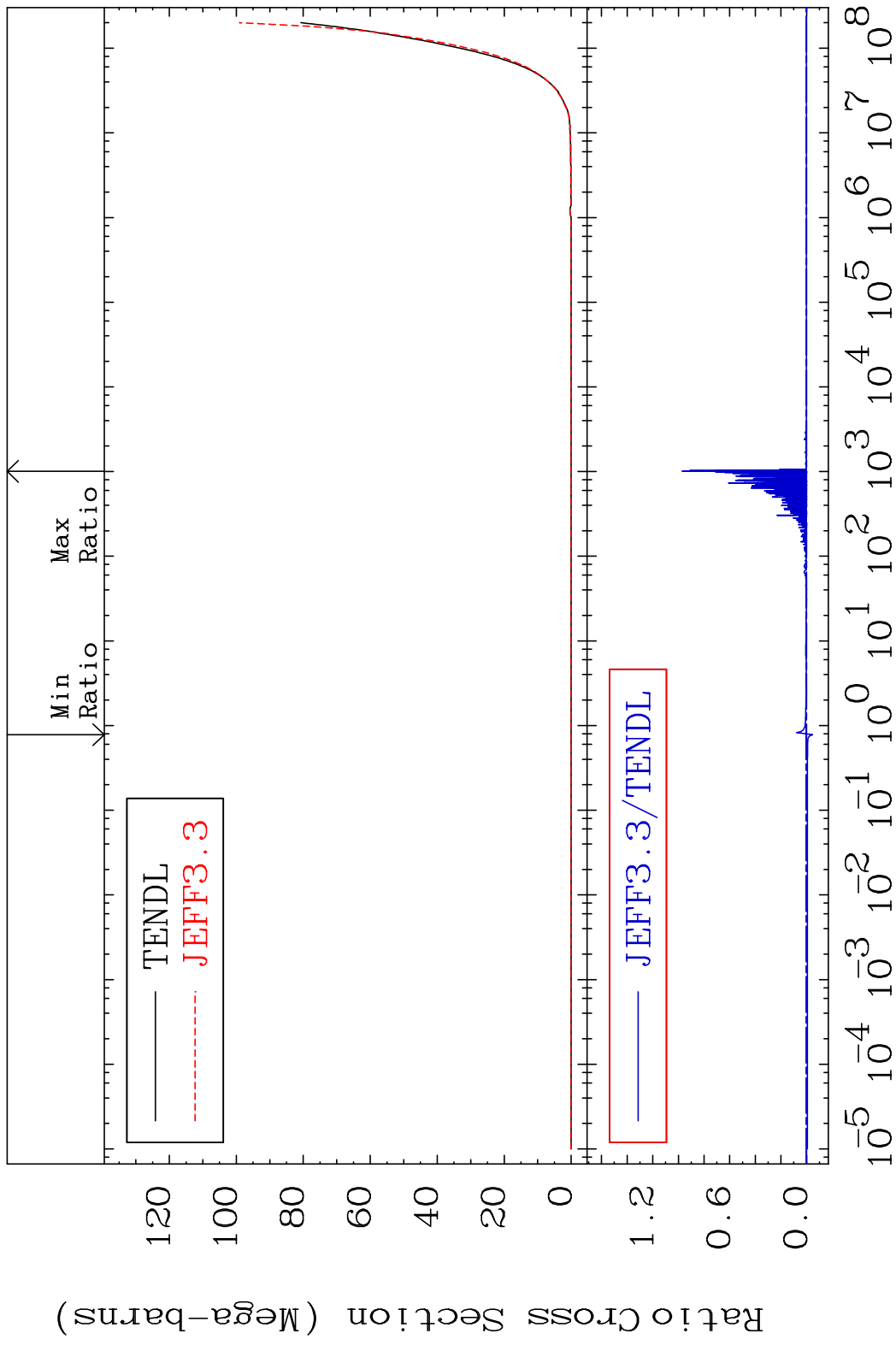
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

69

Incident Energy (eV)

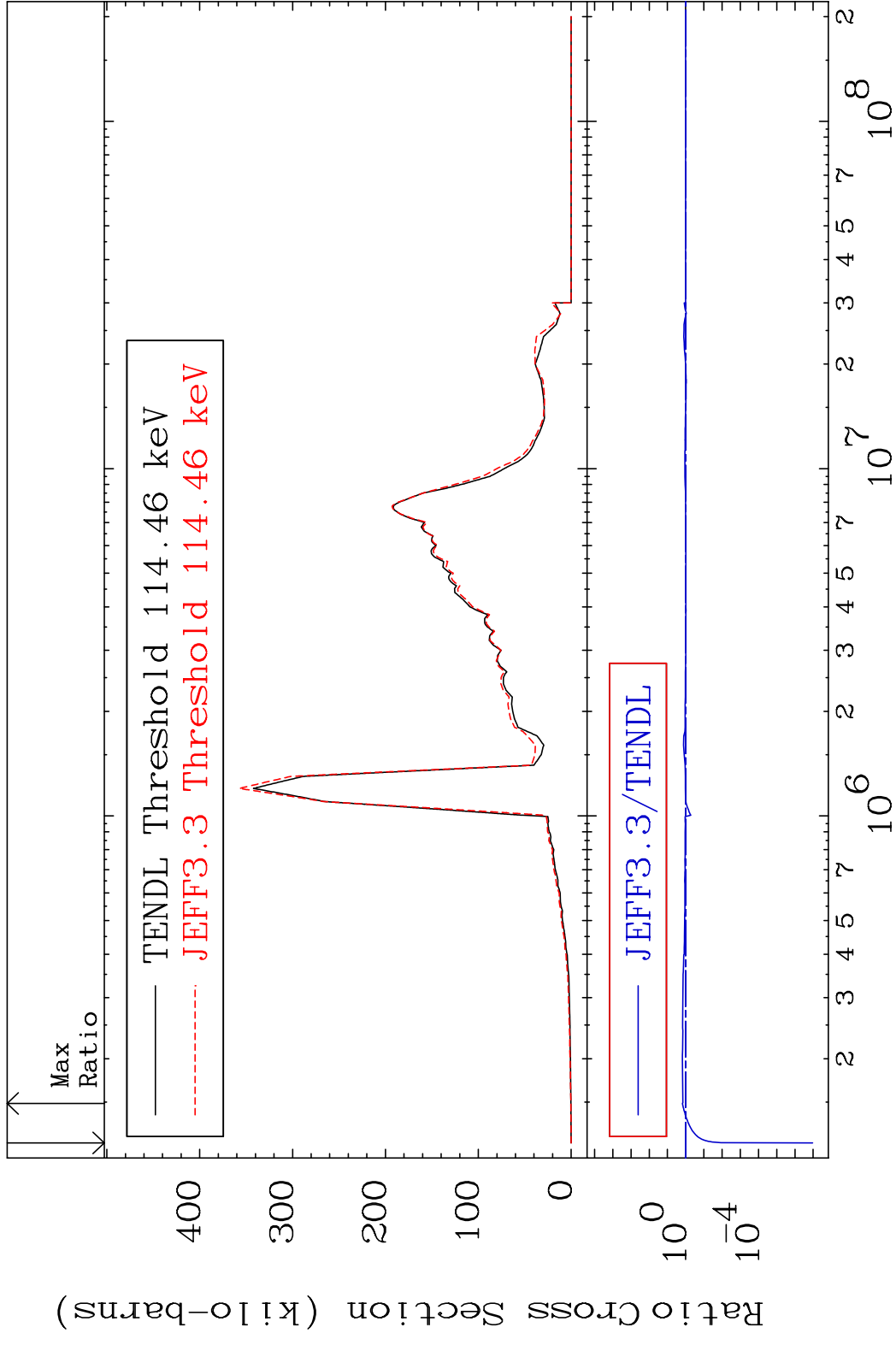
71-Lu-175

MAT 7125 Kerma non-elastic (all but mt2) 71-Lu-175
Cross Section -4739. To 9999. %

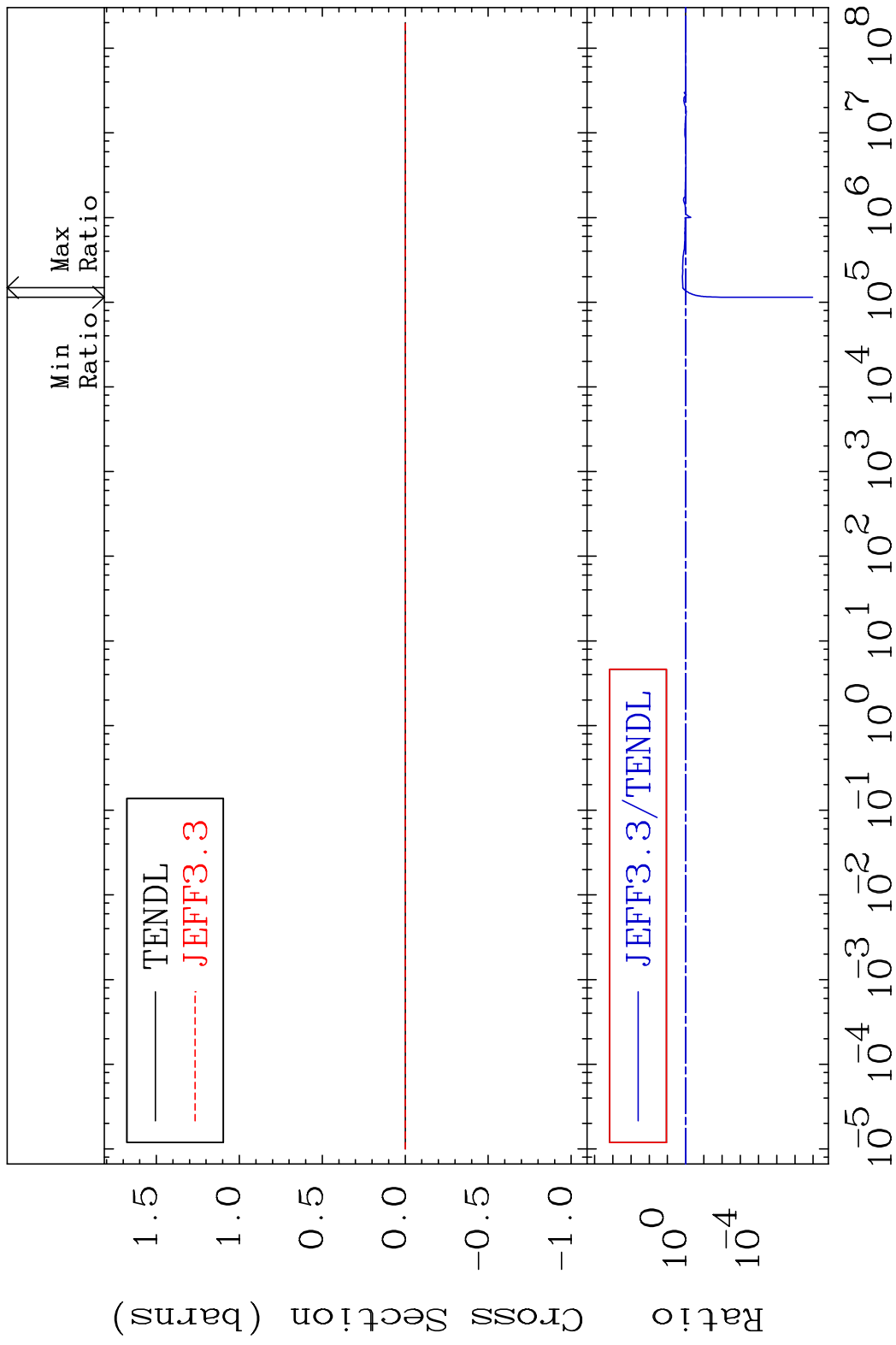


70 Incident Energy (eV) 71-Lu-175

MAT 7125 Kerma inelastic (mt51-91) 71-Lu-175
 Cross Section -100.0 To 51.97 %

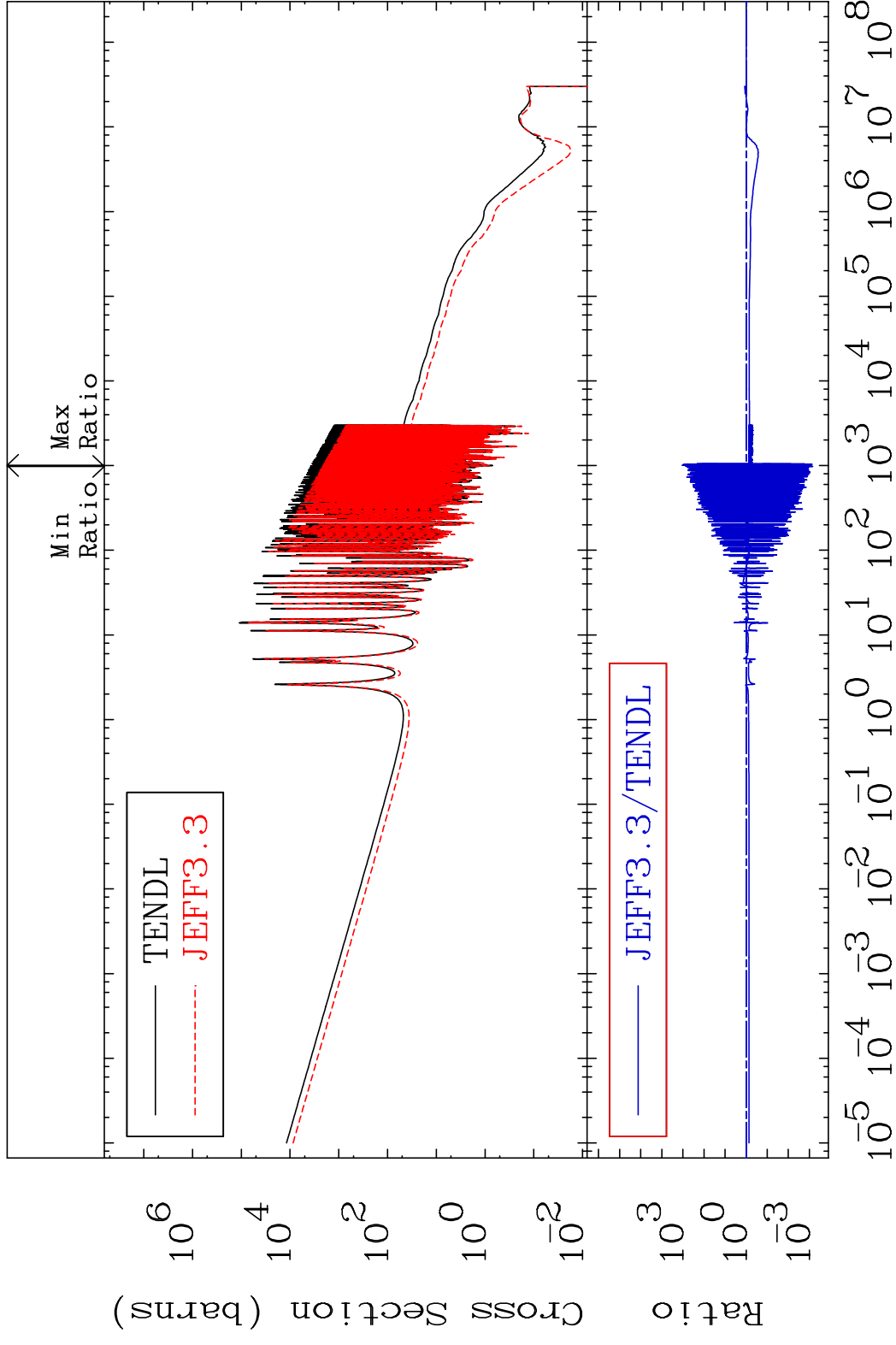


MAT 7125 Kerma fission (mt18 or mt19-20-21-38) 71-Lu-175
 Cross Section -100.0 To 51.97 %



MAT 7125

Kerma capture (mt102) 71-Lu-175
Cross Section -99.93 To 9999. %

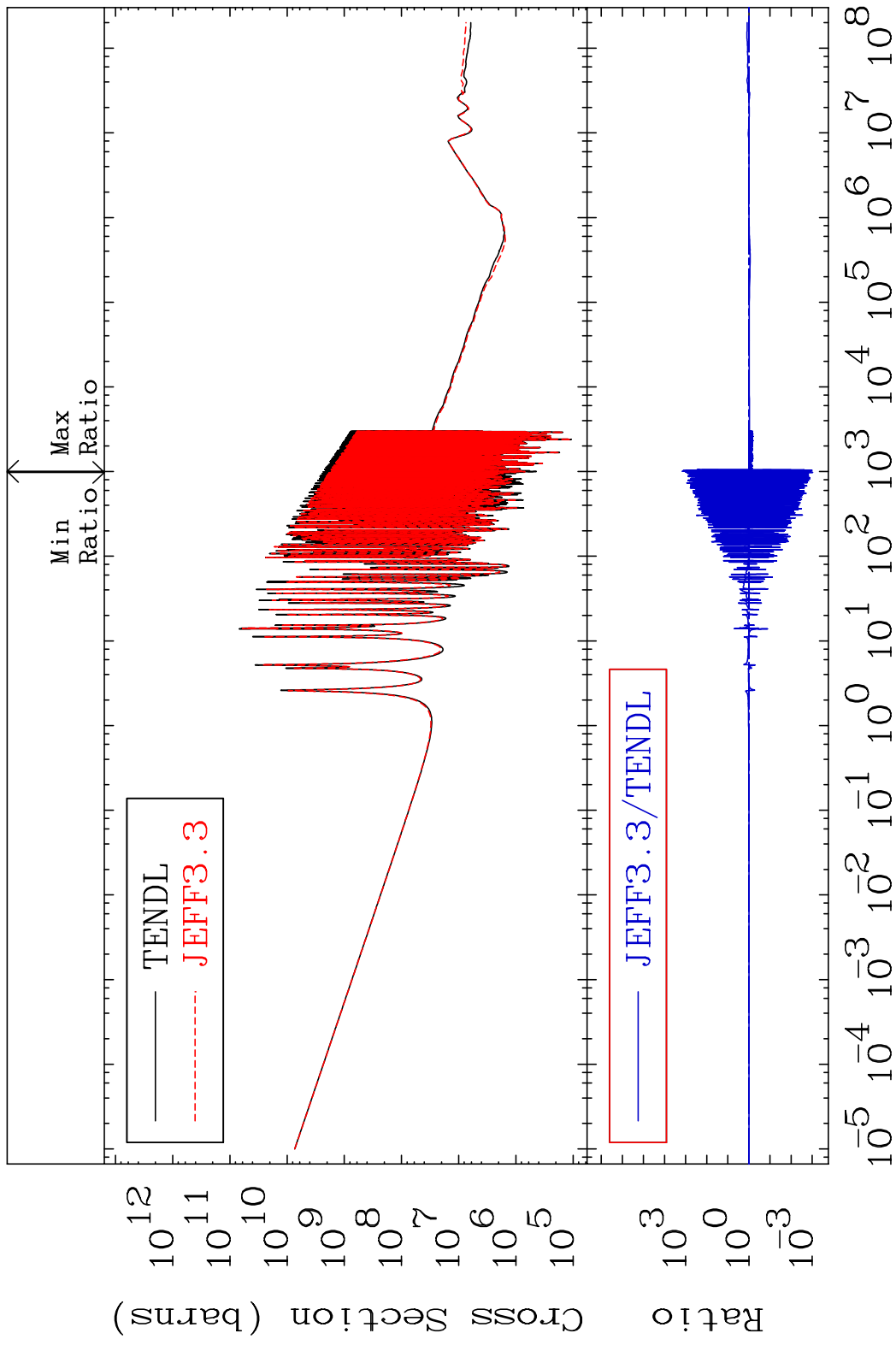


73

Incident Energy (eV)

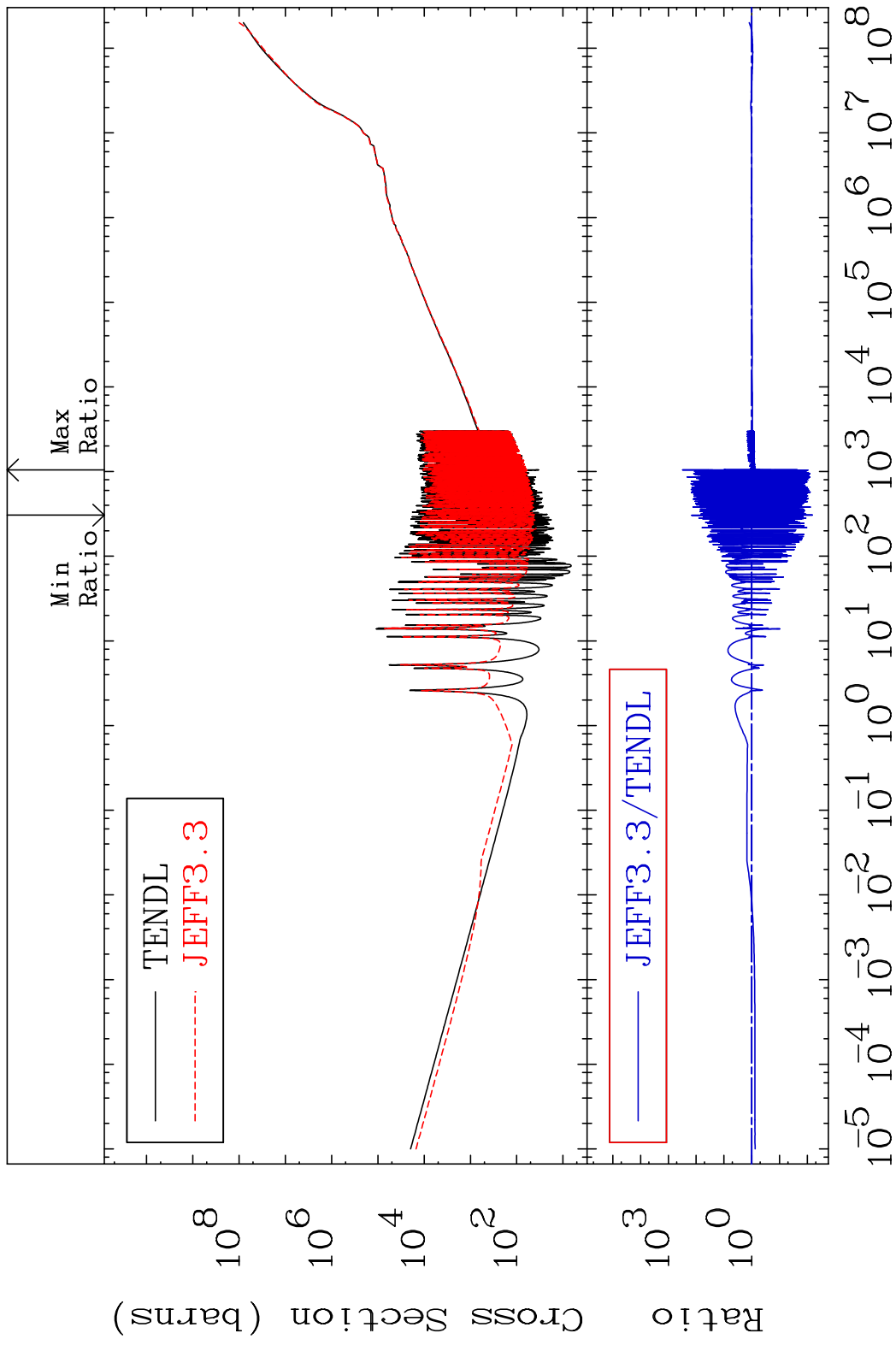
71-Lu-175

MAT 7125 Total photon (eV-barns) 71-Lu-175
 Cross Section -99.90 To 9999. %



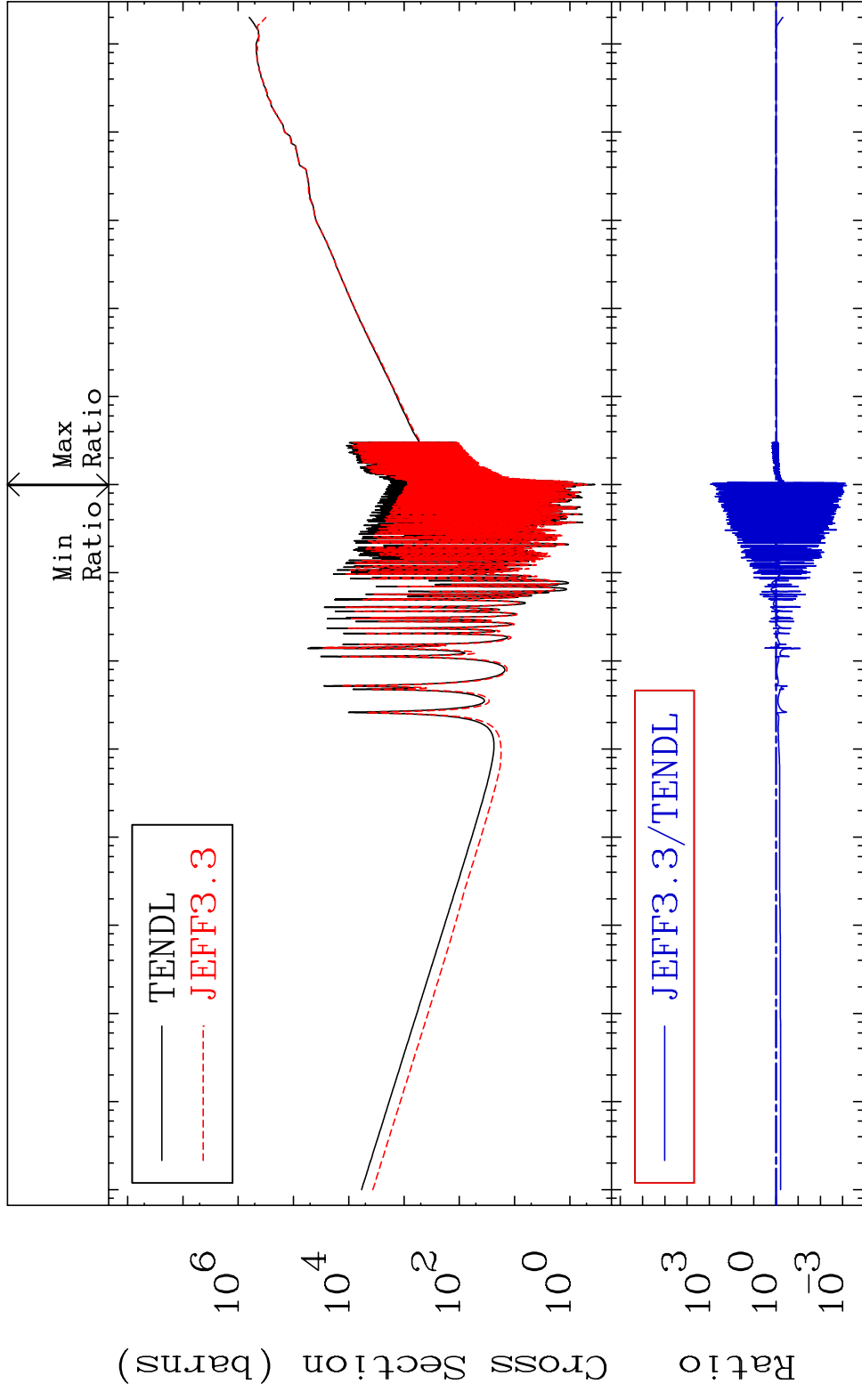
74 Incident Energy (eV) 71-Lu-175

MAT 7125 Total kinematic kerma (high limit) 71-Lu-175
 Cross Section -99.35 To 9999. %



75 Incident Energy (eV) 71-Lu-175

MAT 7125 Dpa total (eV-barns) 71-Lu-175
 Cross Section -99.93 To 9999. %



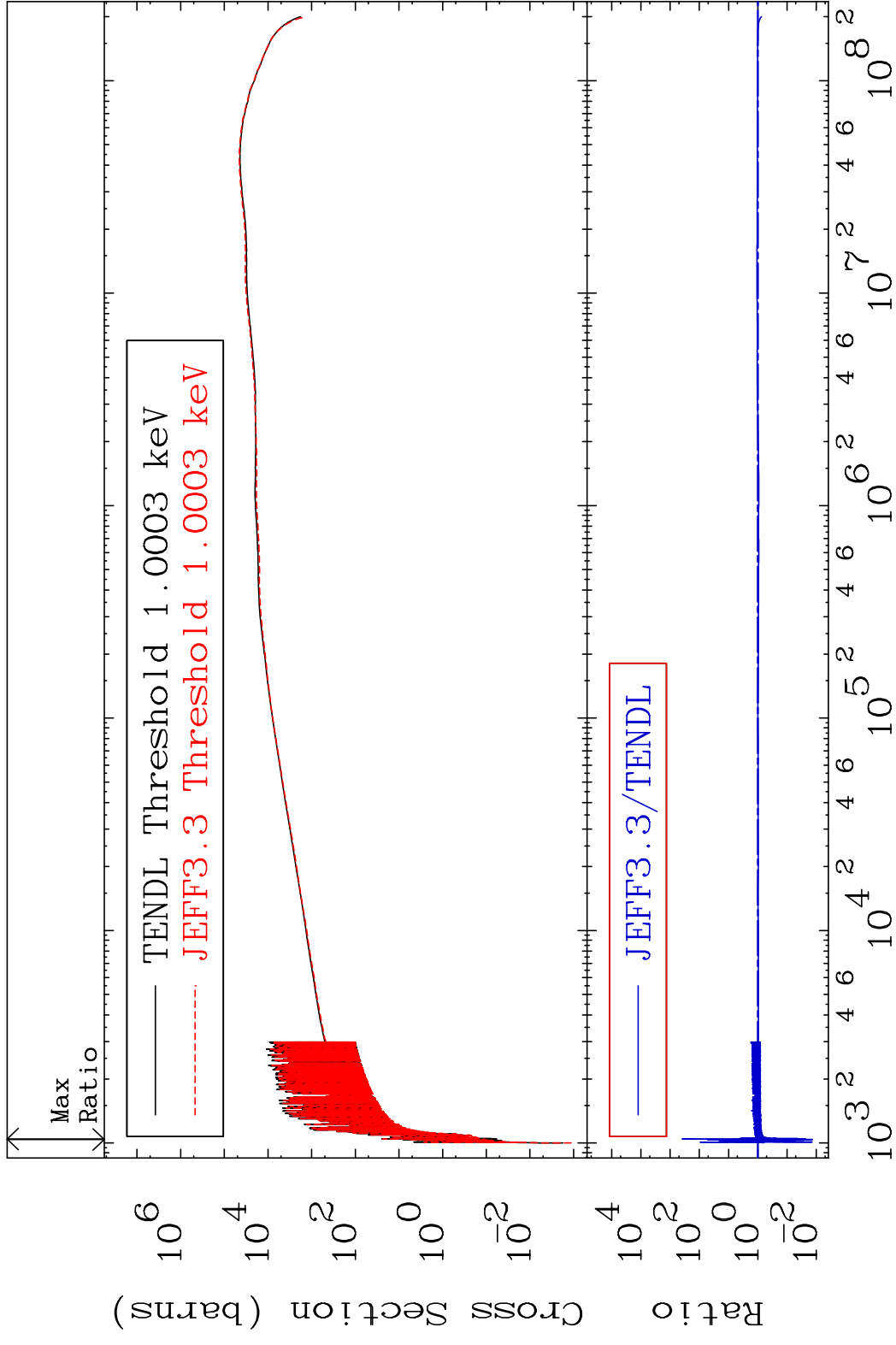
76 Incident Energy (eV) 71-Lu-175

MAT 7125

Dpa elastic (mt2)

71-Lu-175

Cross Section -98.66 To 9999. %

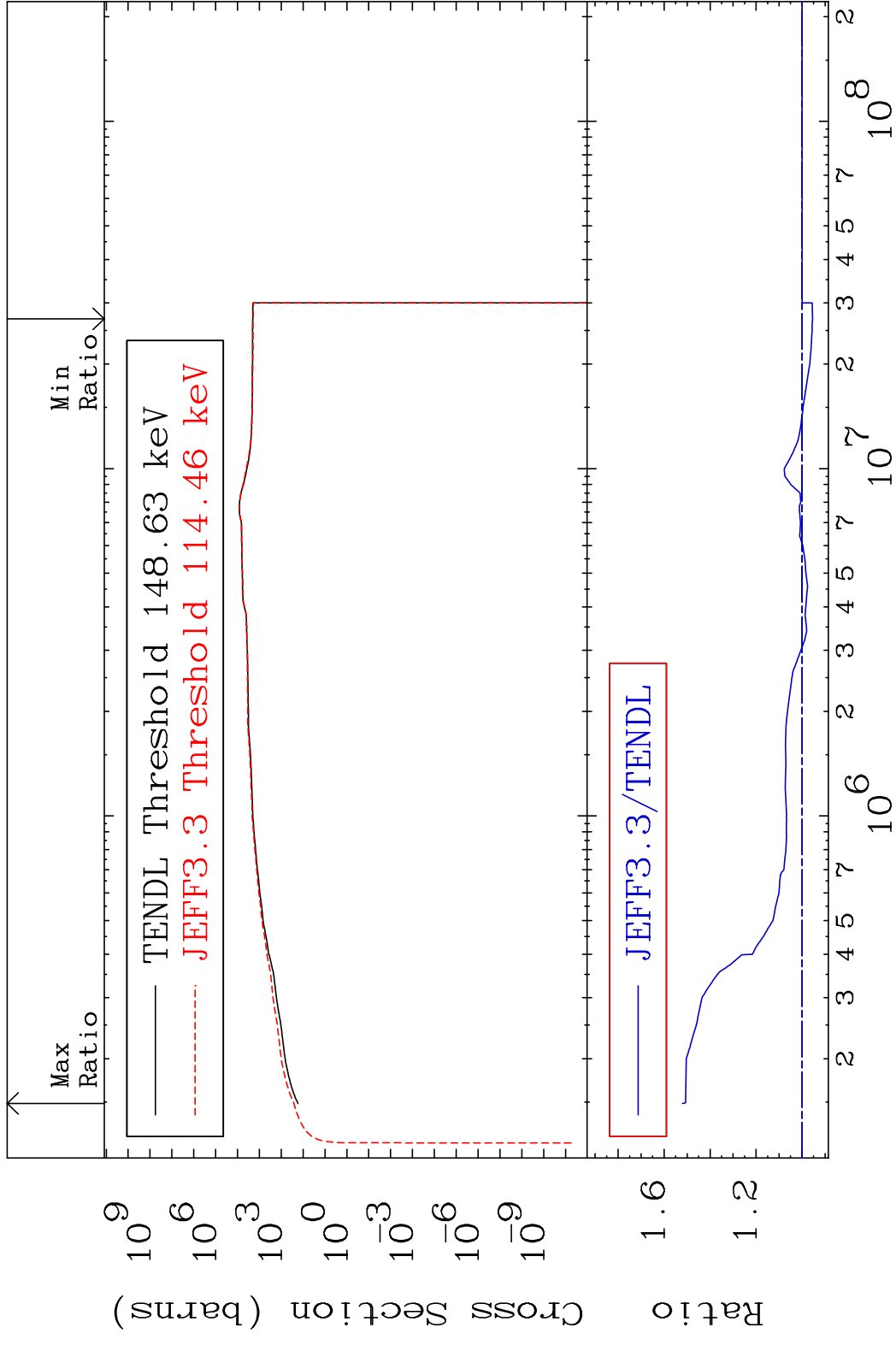


77

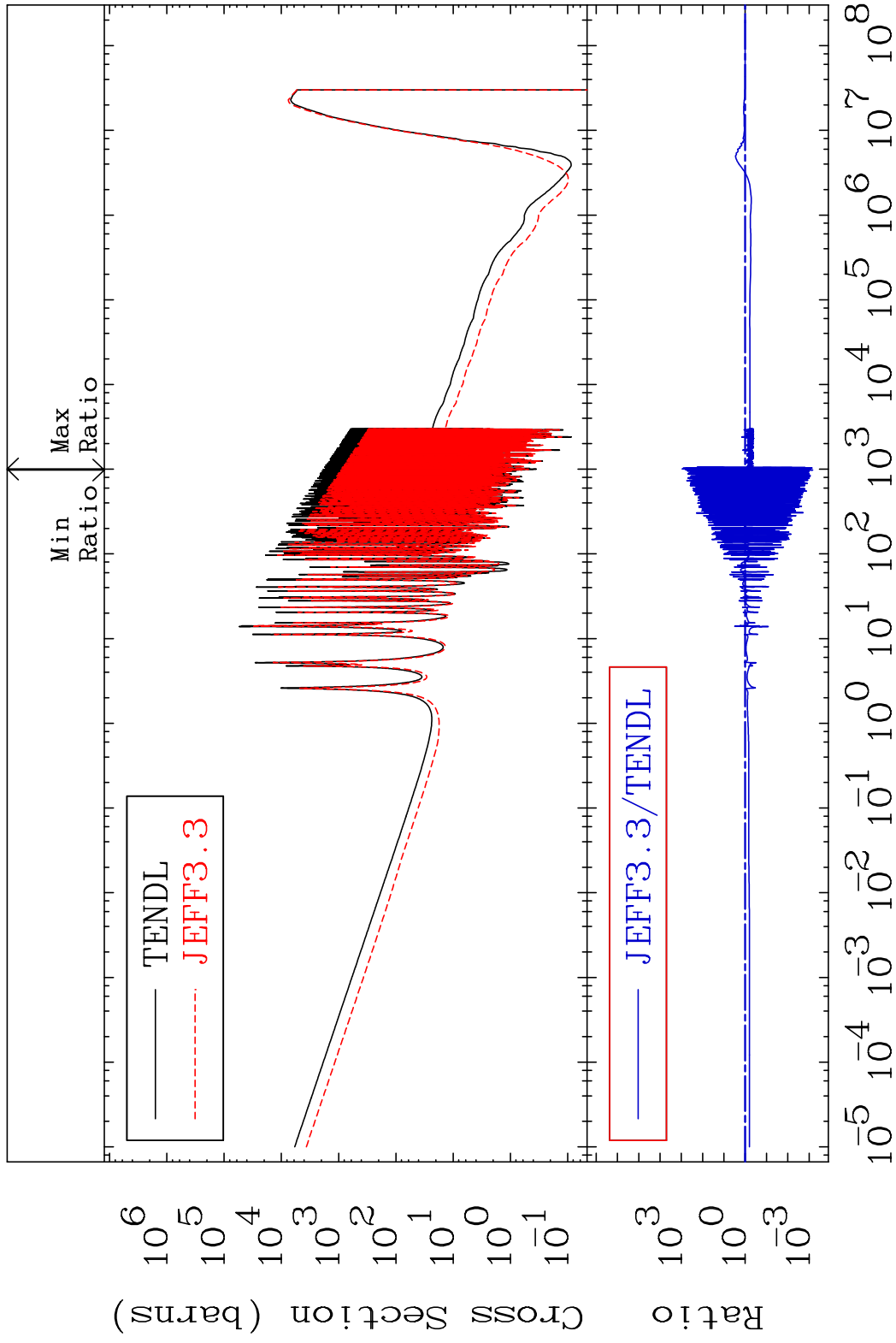
Incident Energy (eV)

71-Lu-175

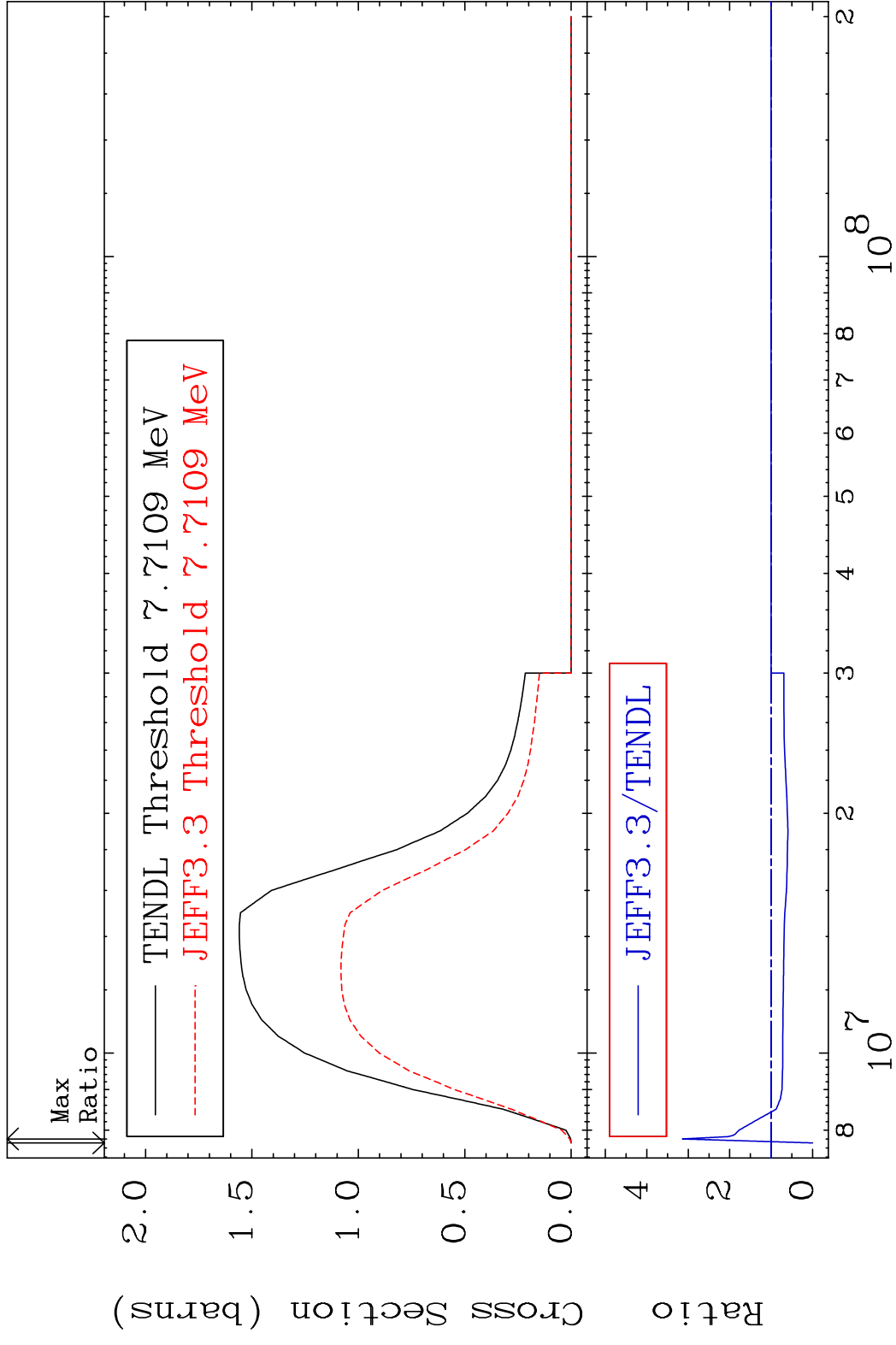
MAT 7125 Dpa inelastic (mt51-91) 71-Lu-175
 Cross Section -4.551 To 52.07 %



MAT 7125 Dpa disappearance (mt102 -120) 71-Lu-175
 Cross Section -99.93 To 9999. %

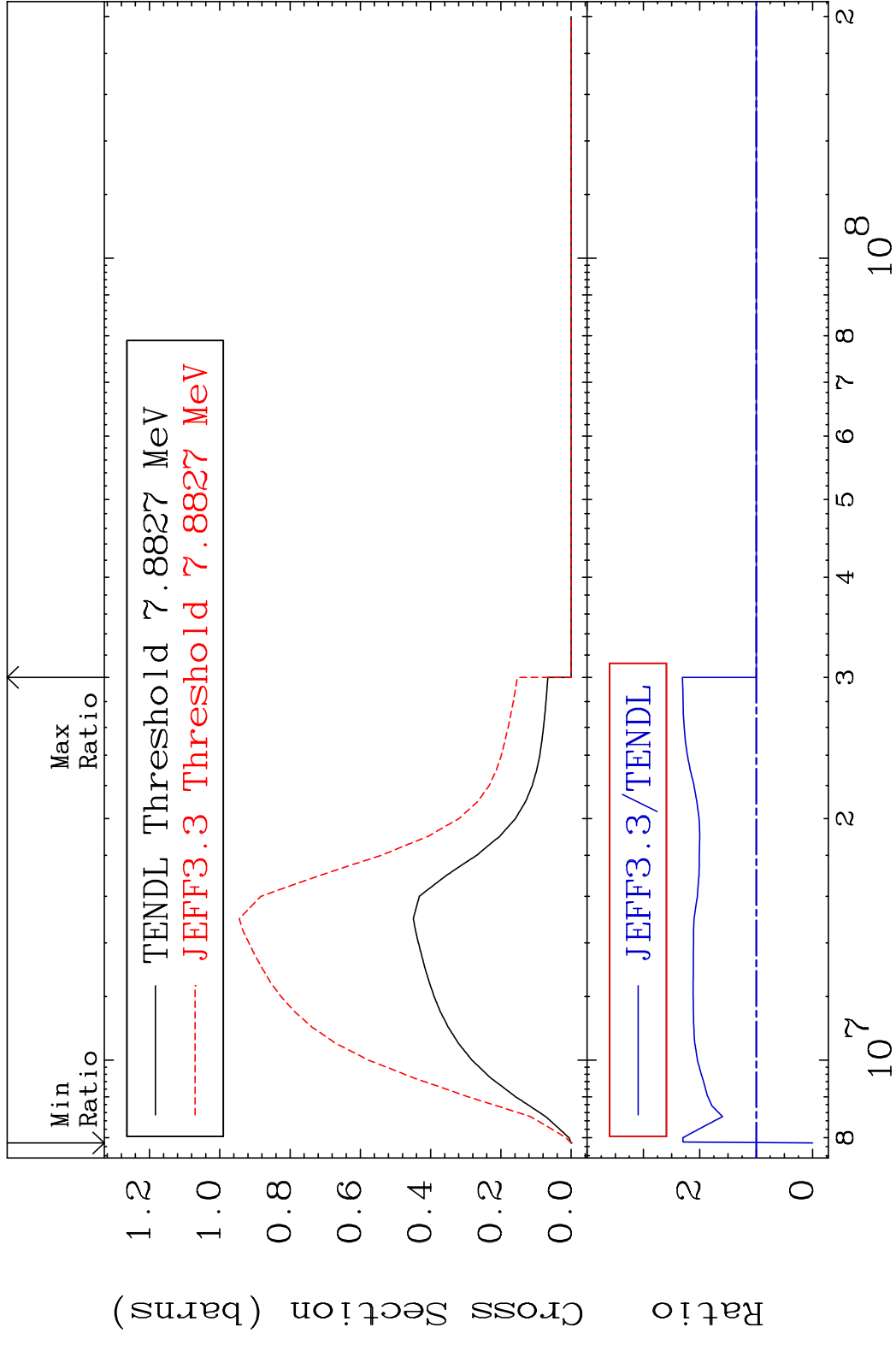


MAT 7125 (n,2n):71-Lu-174g 71-Lu-175
 Radionuclide Production Cross Section 180.0 dth 214.3 %



80 71-Lu-175

MAT 7125 (n,2n):71-Lu-174m3 71-Lu-175
 Radionuclide Production Cross Section 130.0 dpo 131.0 %



MAT 7125 (n,4n):71-Lu-172g 71-Lu-175
 Radionuclide Production Cross Section 9999. %

