

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

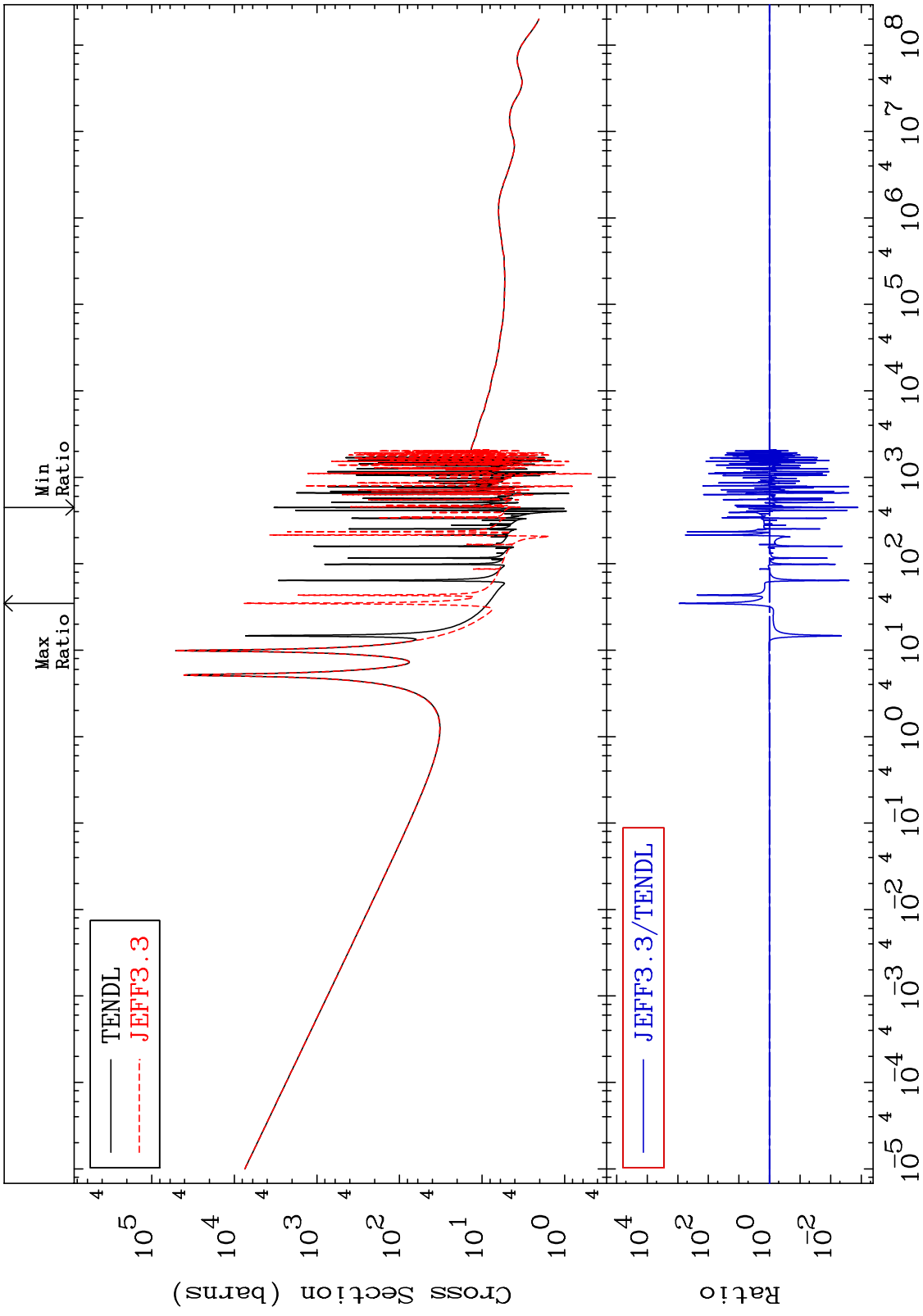
MAT 5425

Total

54-Xe-124

Cross Section

-99.87 To 9999. %



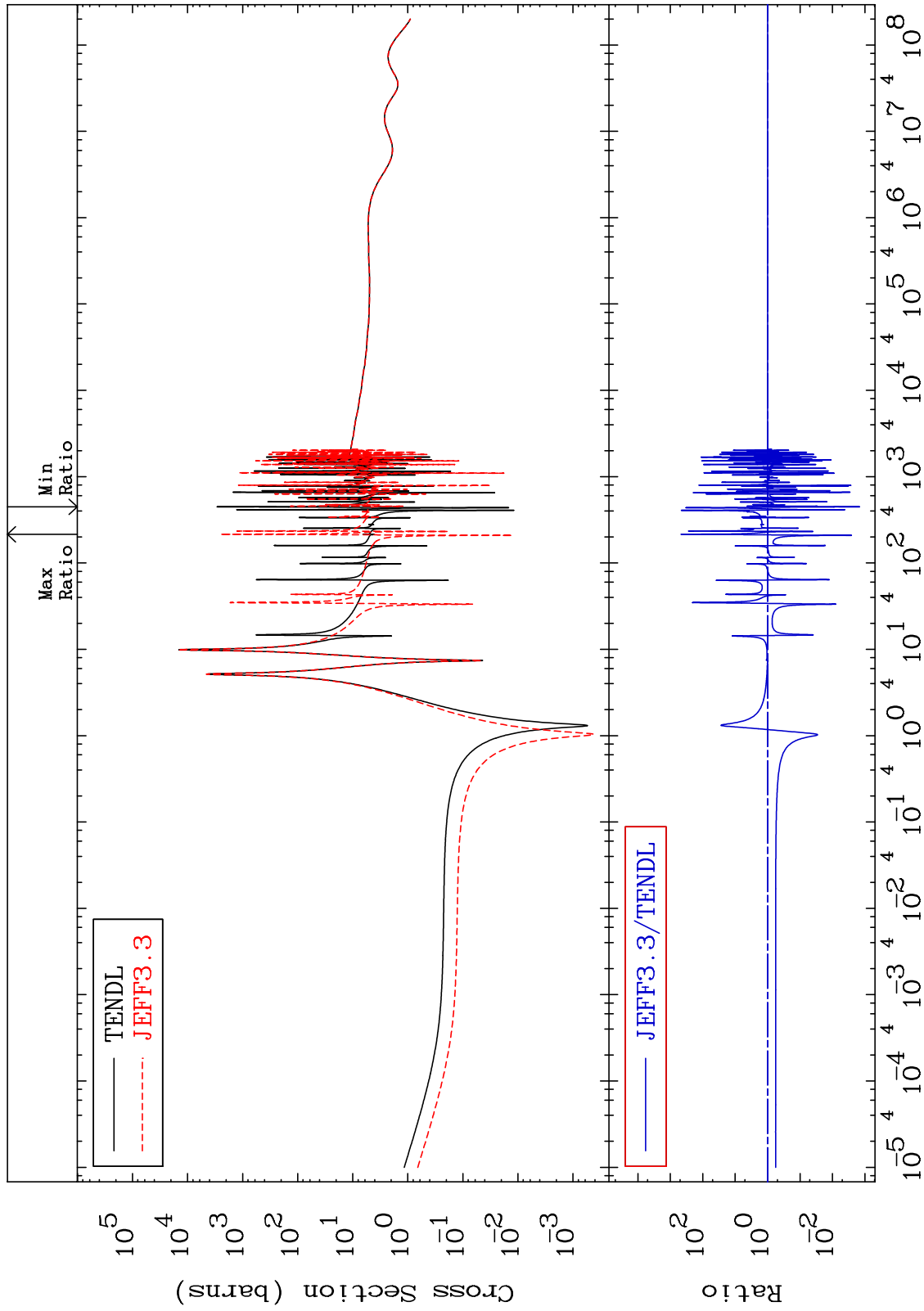
MAT 5425

Elastic

54-Xe-124

Cross Section

-99.86 To 9999. %

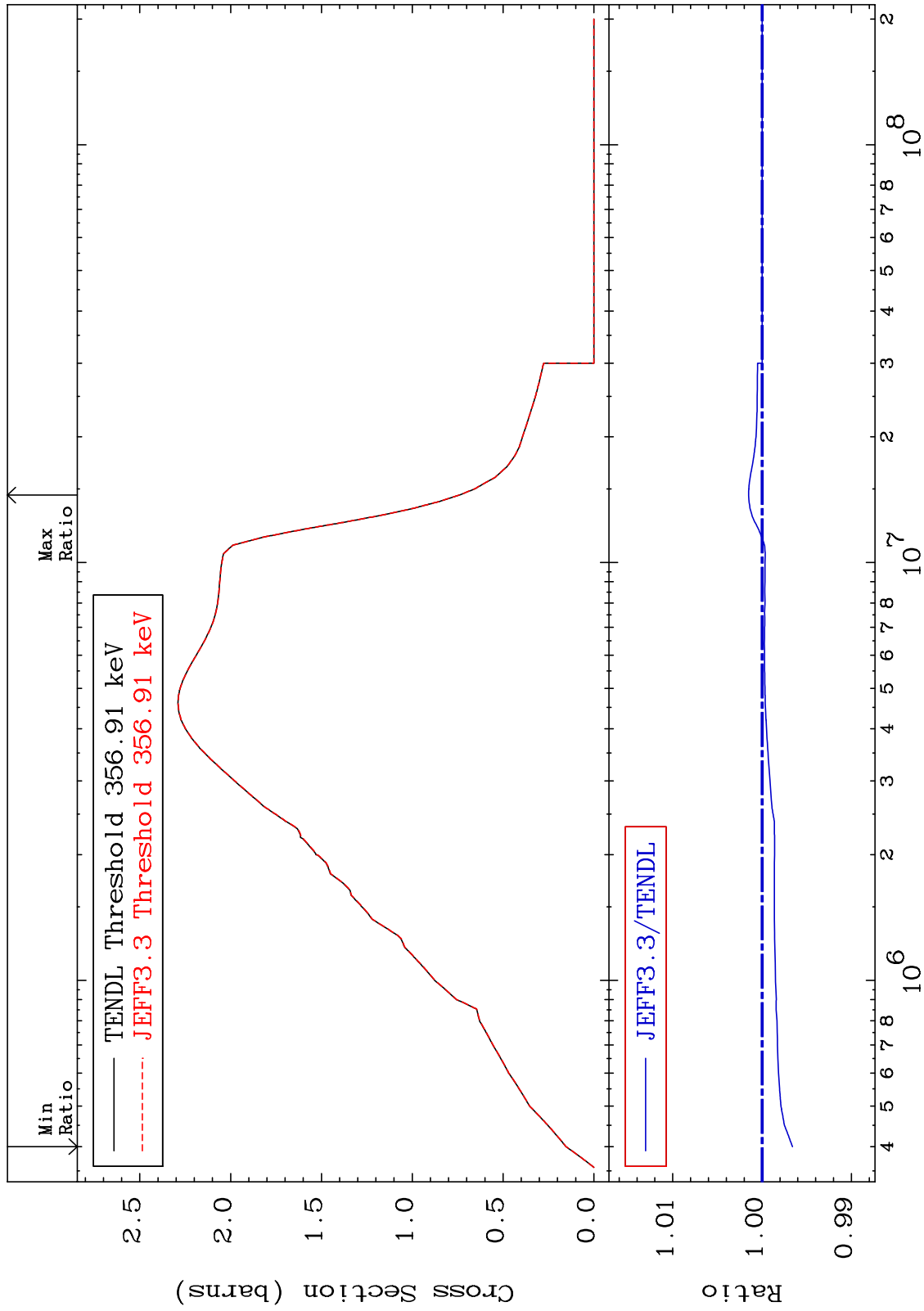


2

Incident Energy (eV)

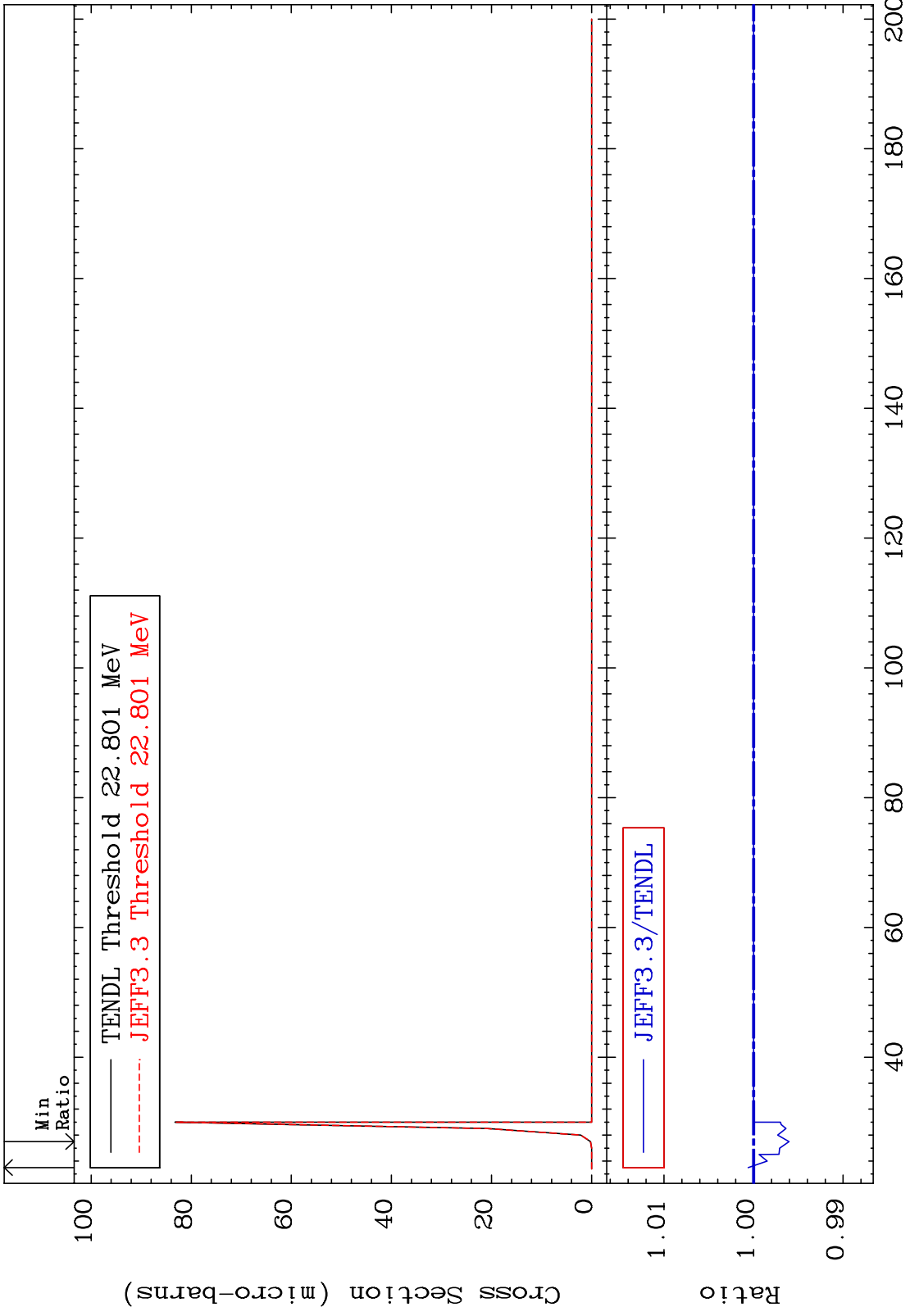
54-Xe-124

MAT 5425 Inelastic Cross Section 54-Xe-124 -0.339 To 0.151 %

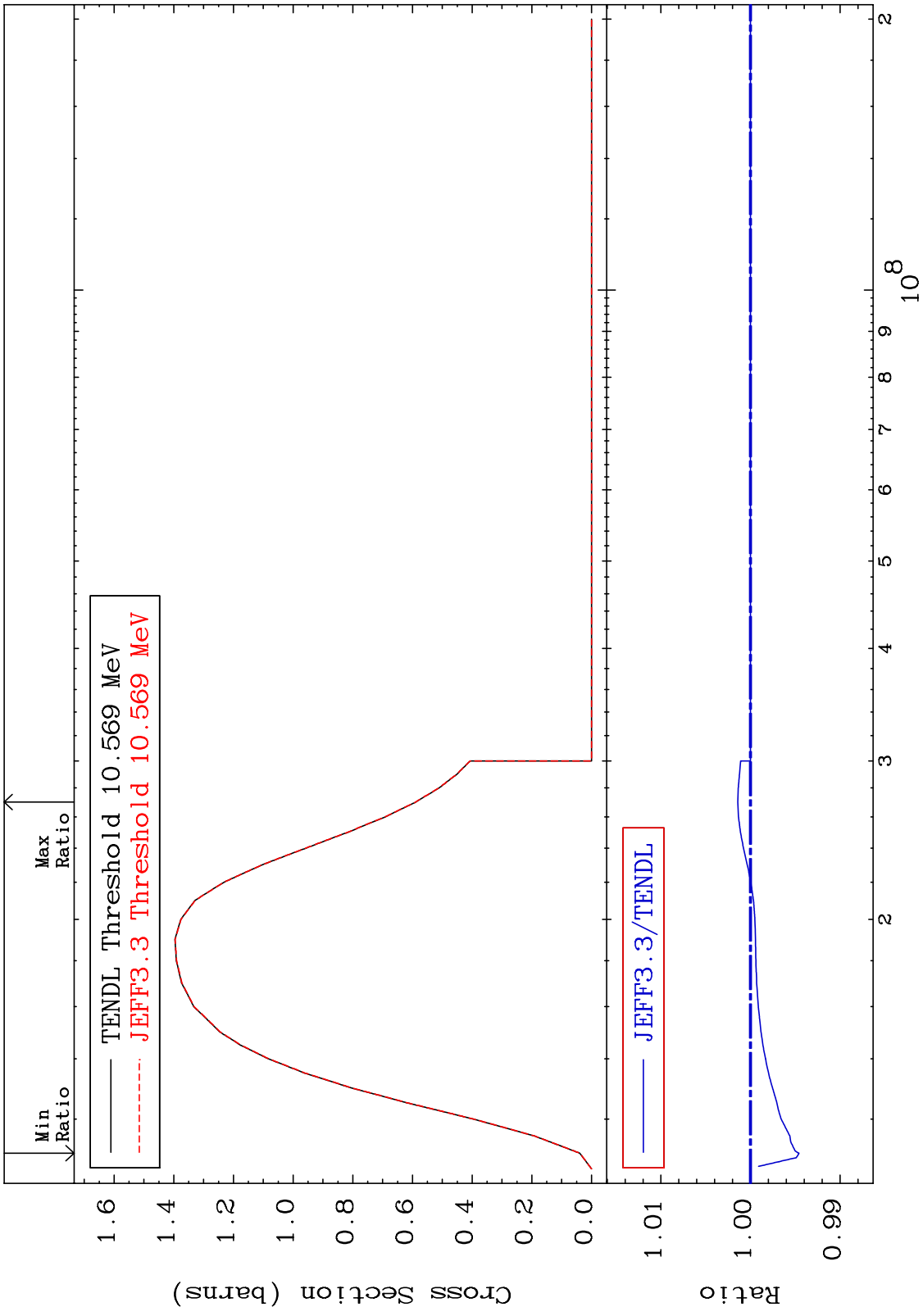


3 Incident Energy (eV) 54-Xe-124

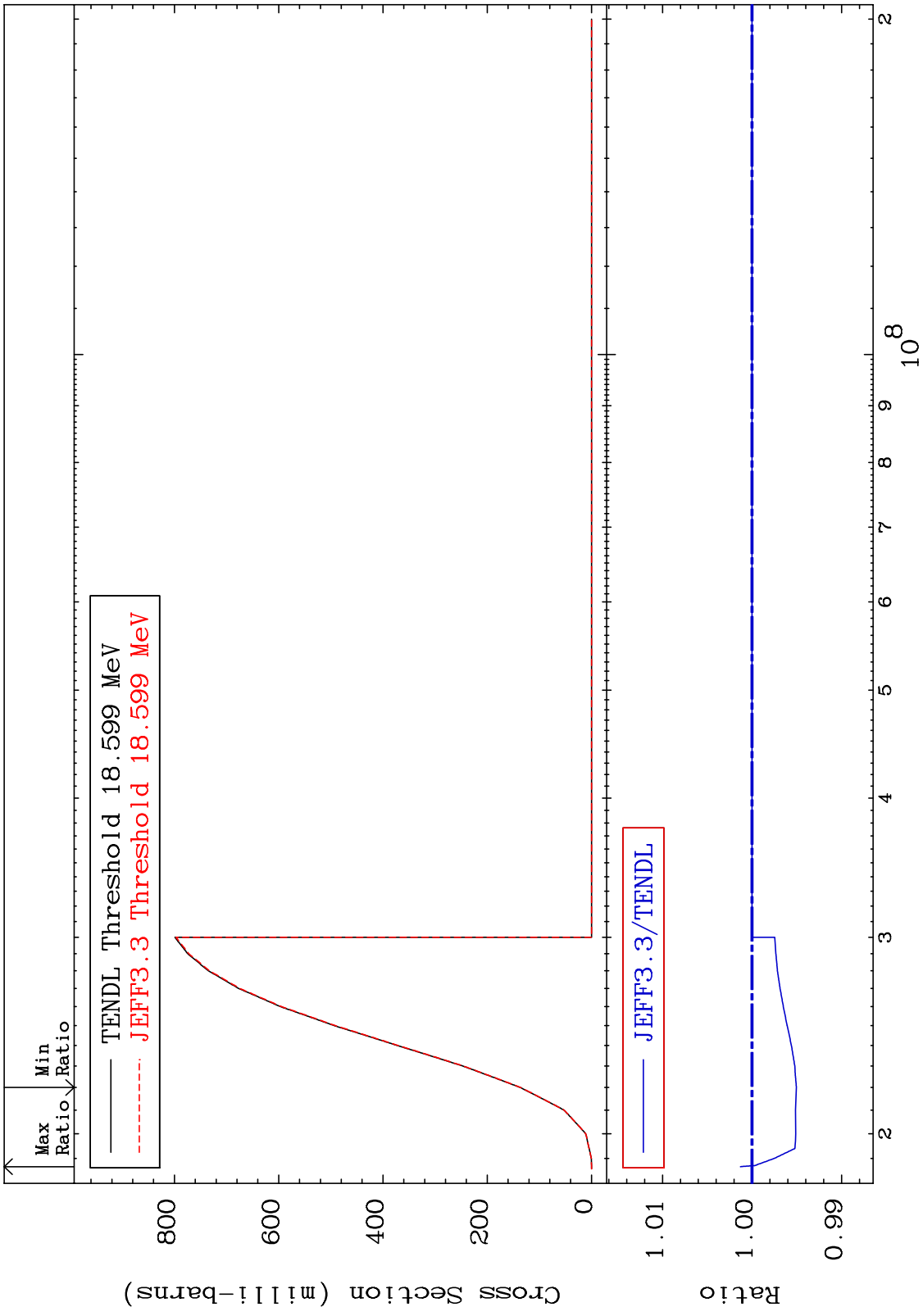
MAT 5425 (n,2n) d 54-Xe-124
Cross Section -0.395 To 0.061 %



MAT 5425 $(n,2n)$ Cross Section 54-Xe-124 -0.542 To 0.142 %



MAT 5425 (n,3n) Cross Section 54-Xe-124 -0.495 To 0.129 %



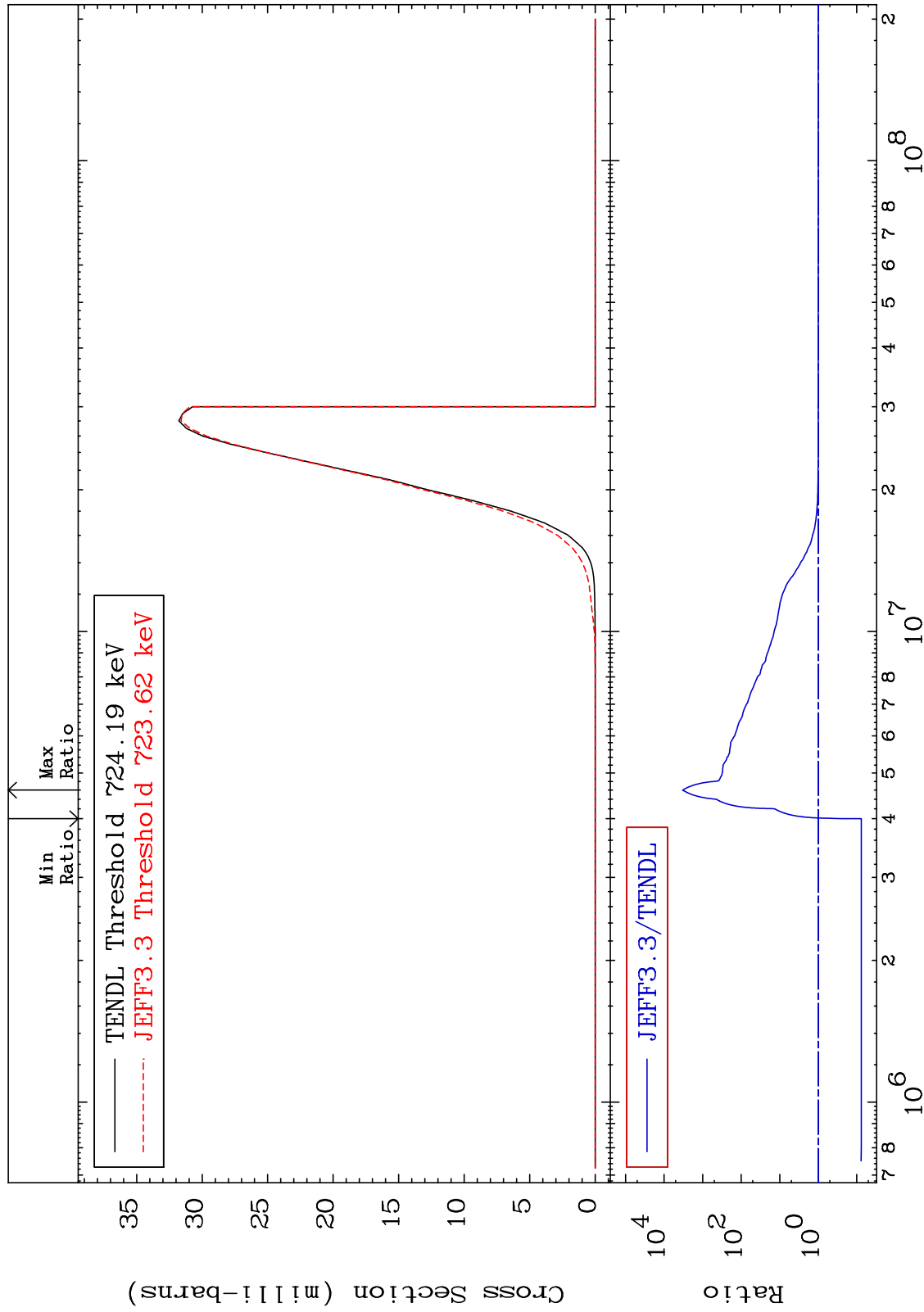
MAT 5425

(n, n') α

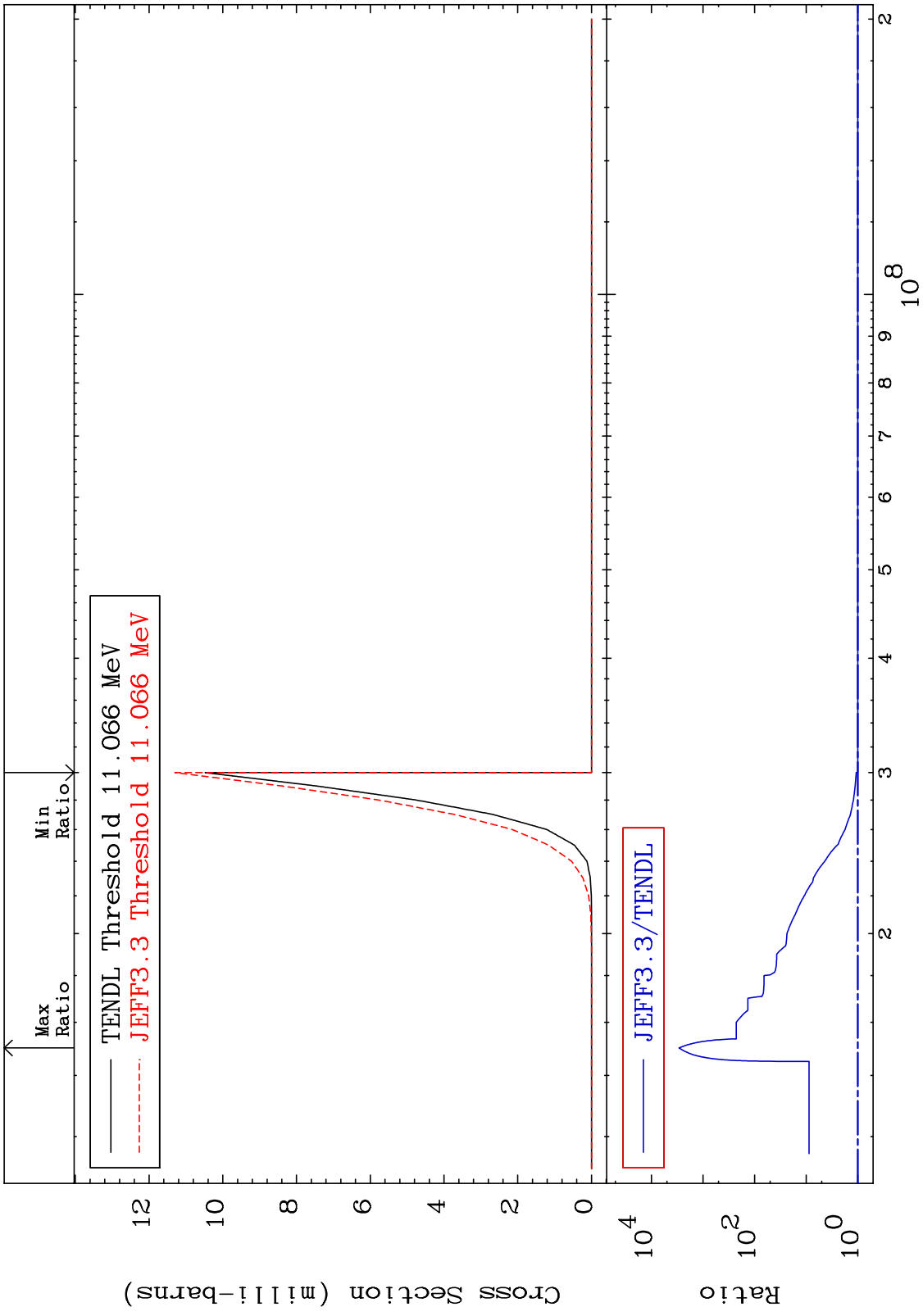
54-Xe-124

-92.38 To 9999. %

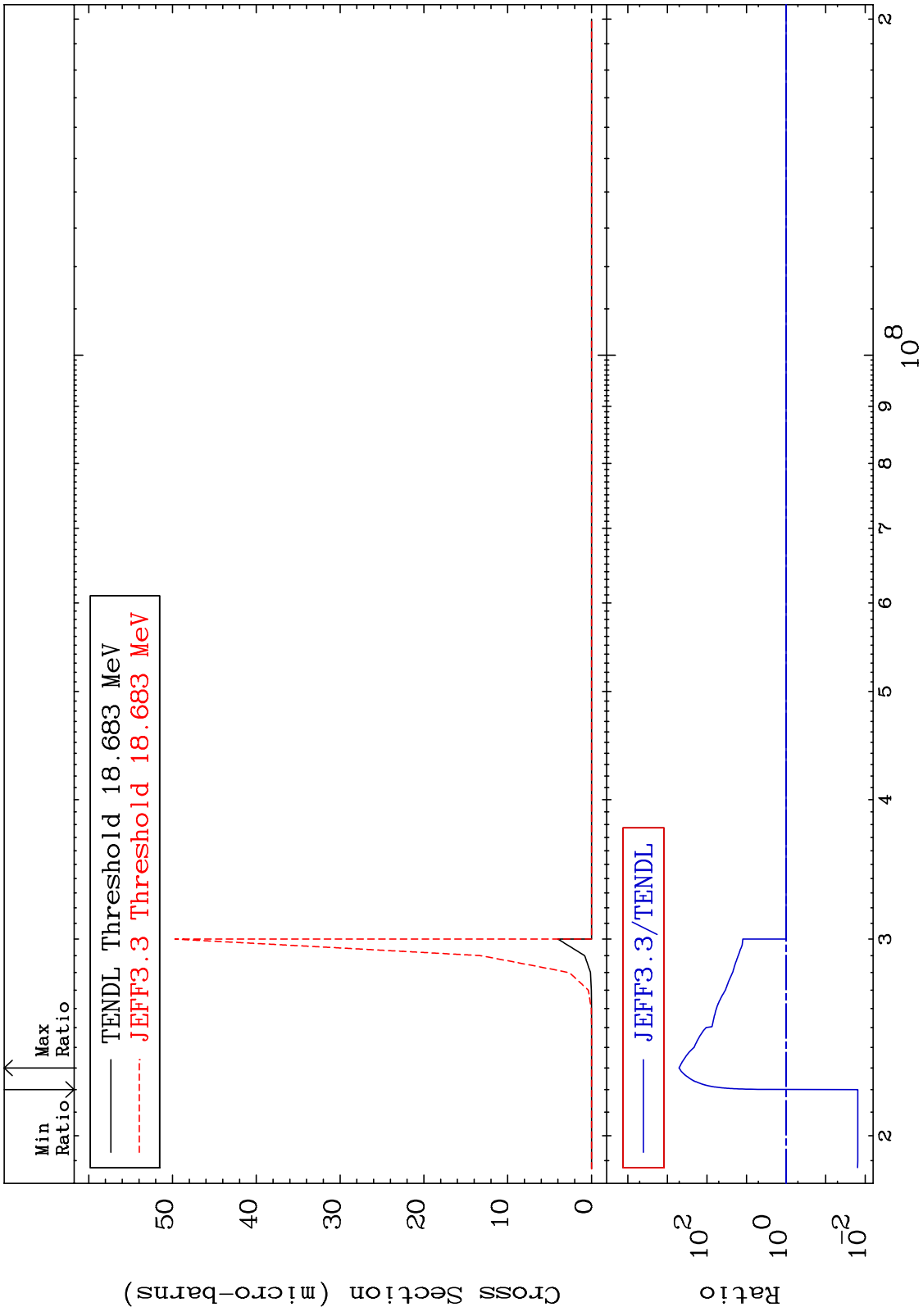
Cross Section



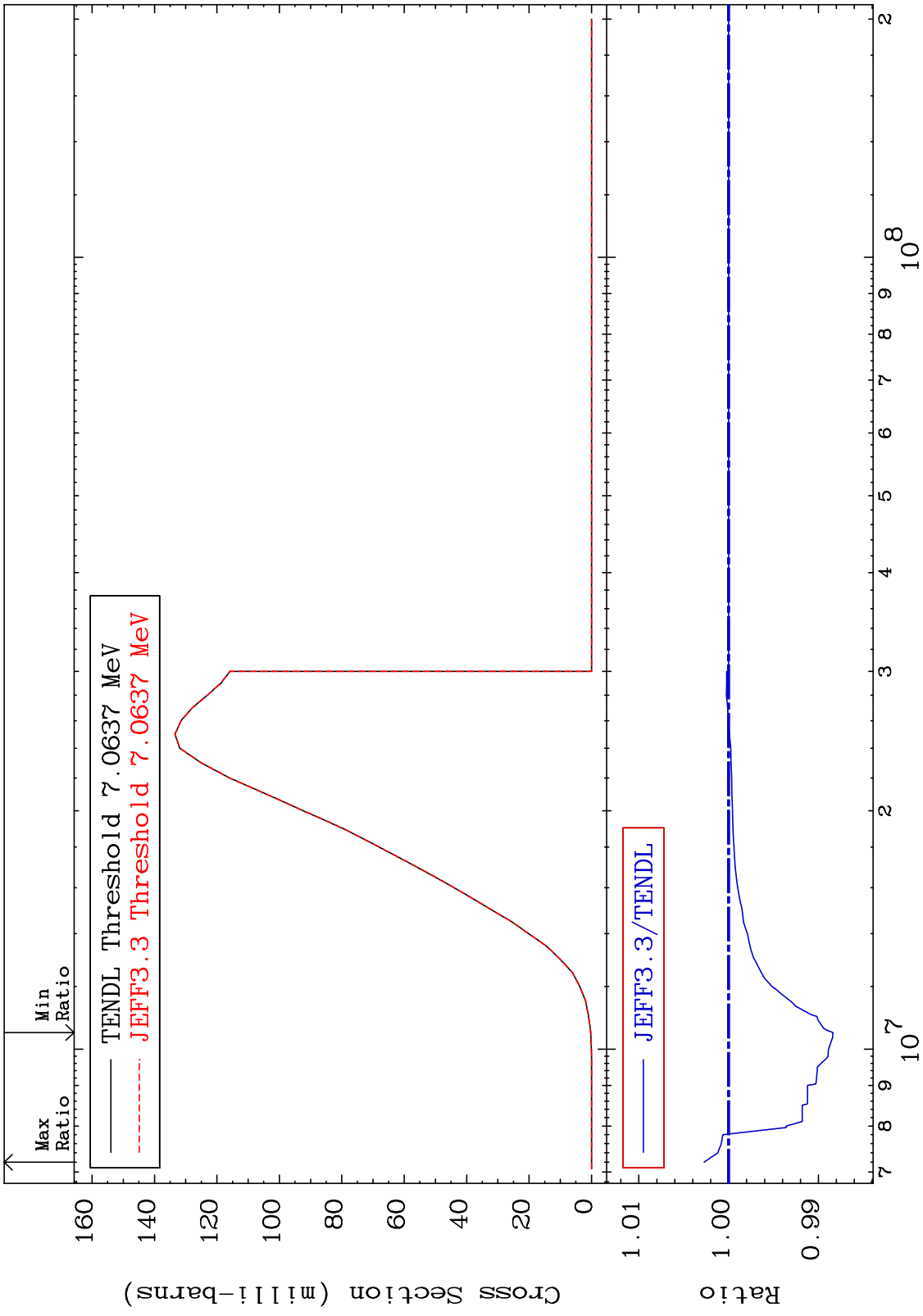
MAT 5425 $(n, 2n) \alpha$ 54-Xe-124
 Cross Section 0.000 To 9999. %



MAT 5425 (n,3n) α 54-Xe-124
 Cross Section -98.47 To 9999. %

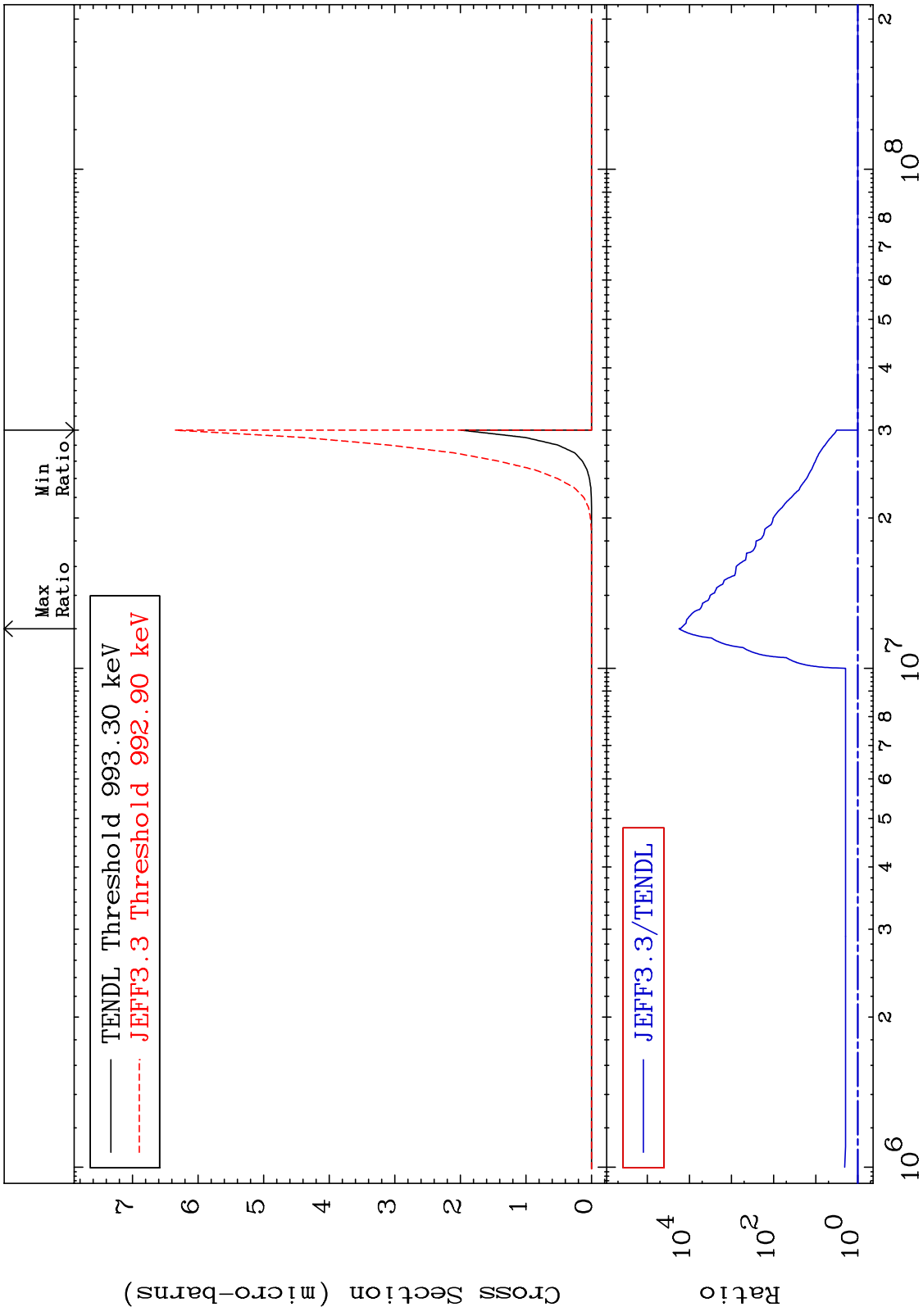


MAT 5425 (n,n') p 54-Xe-124
Cross Section -1.160 To 0.274 %



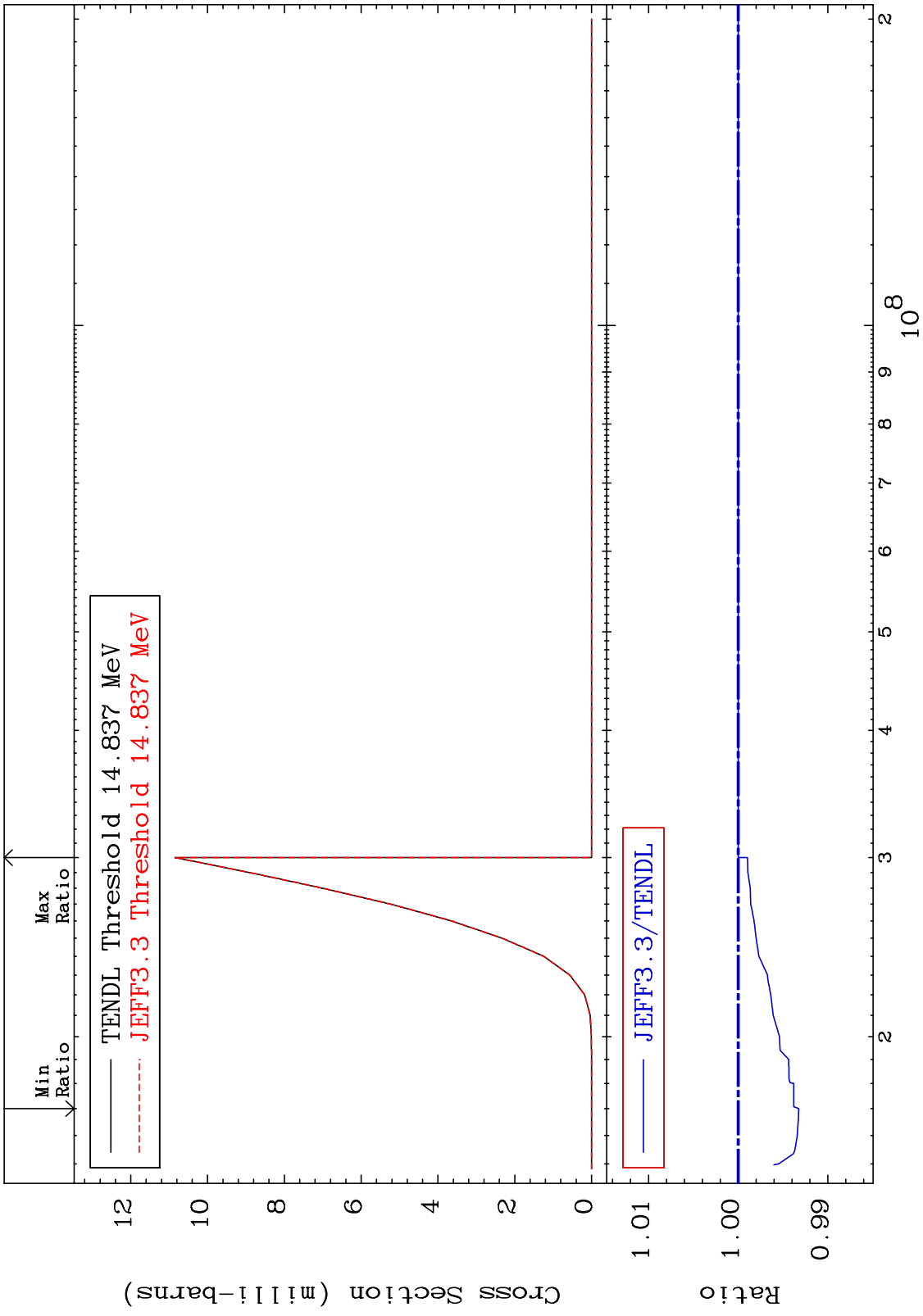
10 54-Xe-124

MAT 5425 $(n, n') 2\alpha$ Cross Section 54-Xe-124 To 9999. %

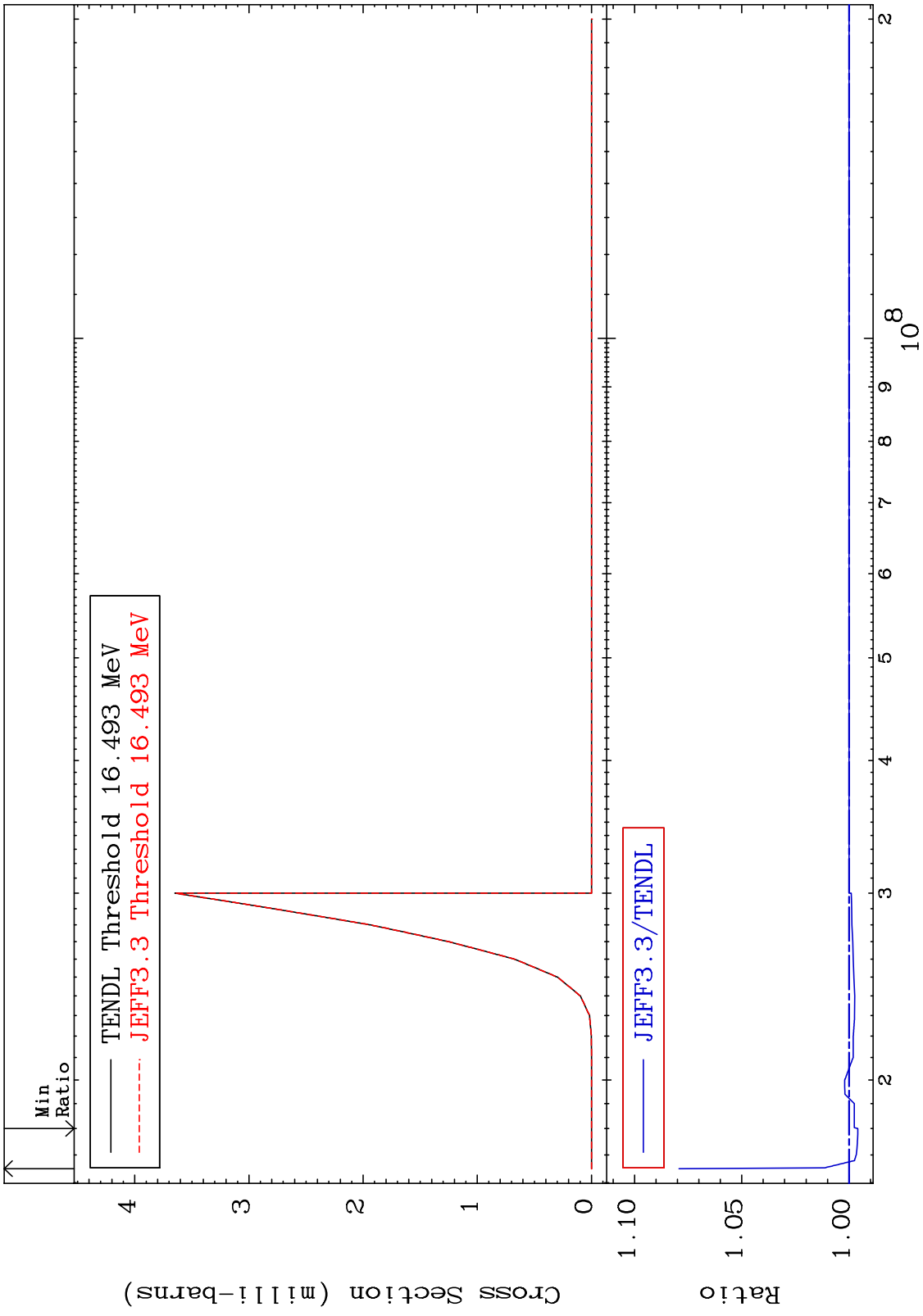


11 Incident Energy (eV) 54-Xe-124

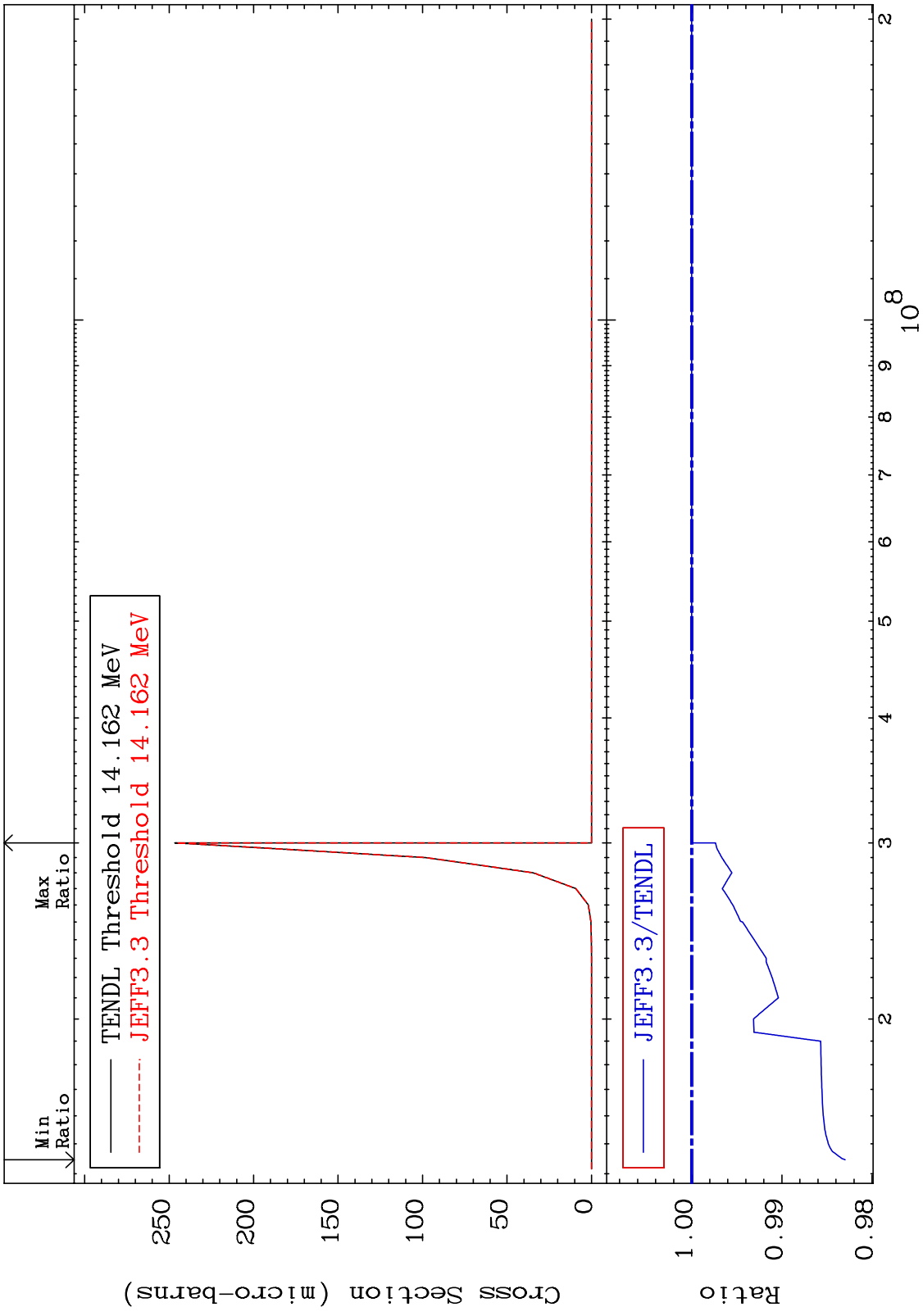
MAT 5425 (n, n') d 54-Xe-124
 Cross Section -0.675 To 0.000 %



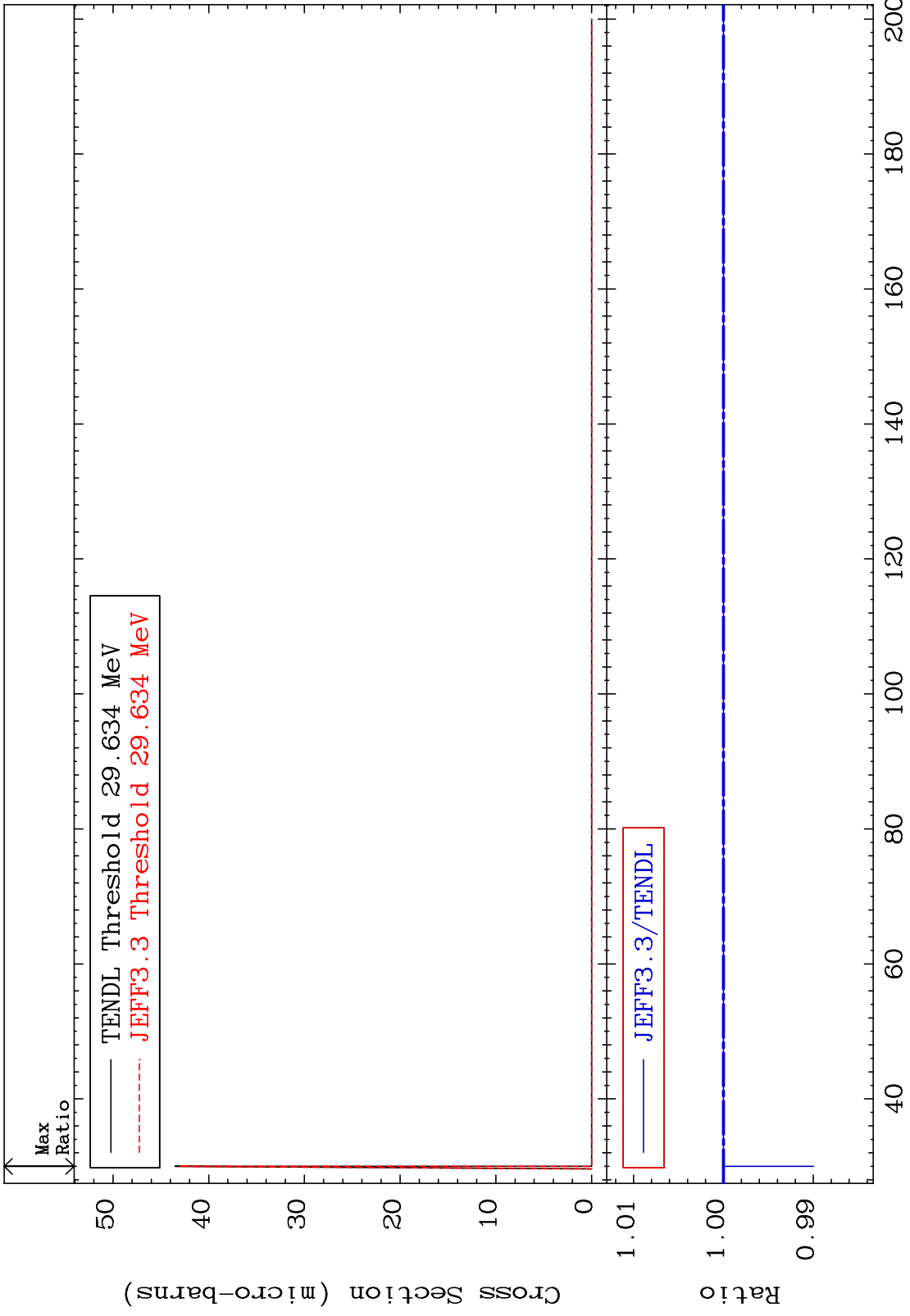
MAT 5425 (n,n') t 54-Xe-124
Cross Section -0.413 To 7.927 %



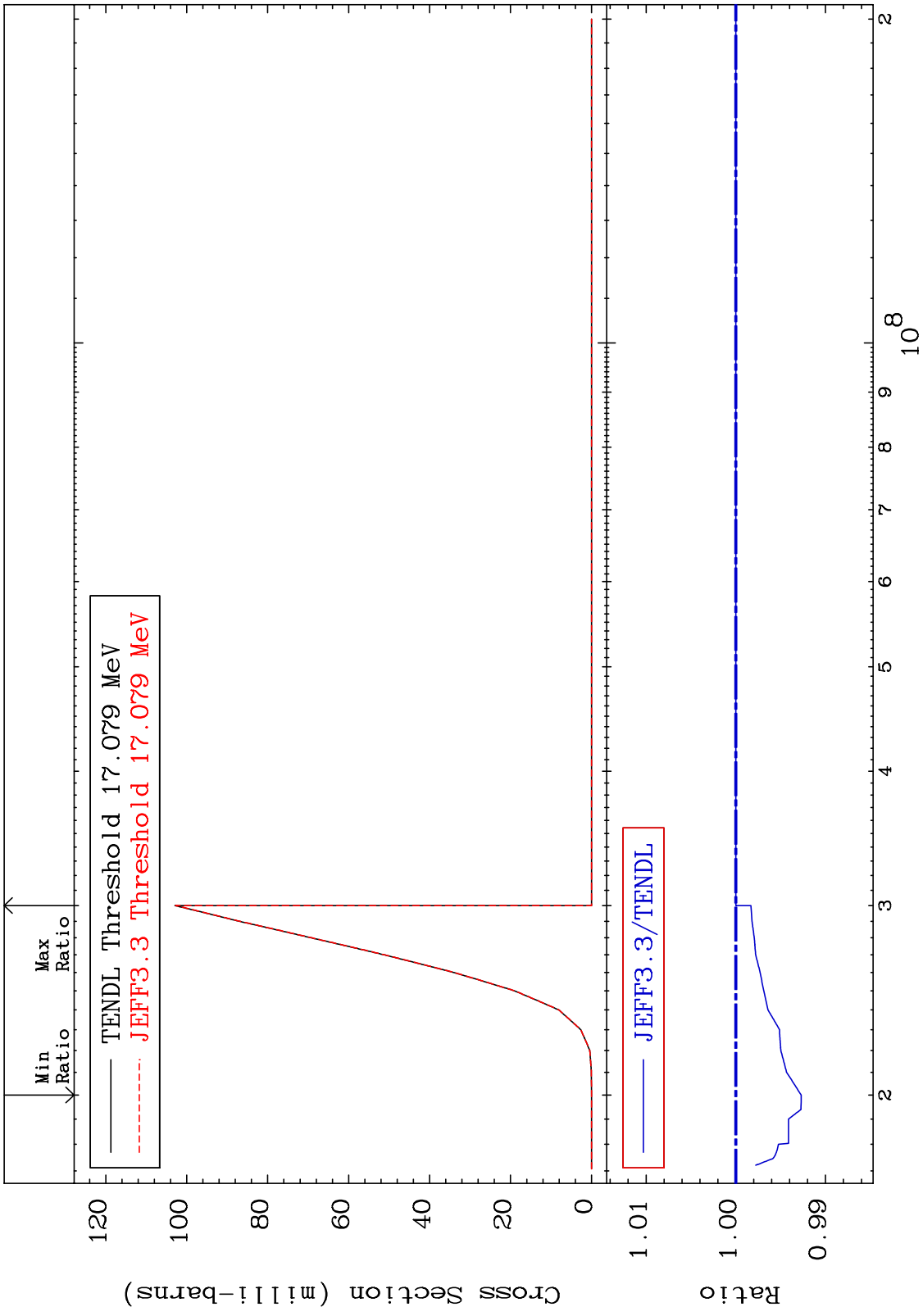
MAT 5425 (n, n') He-3 54-Xe-124
 Cross Section -1.701 To 0.000 %



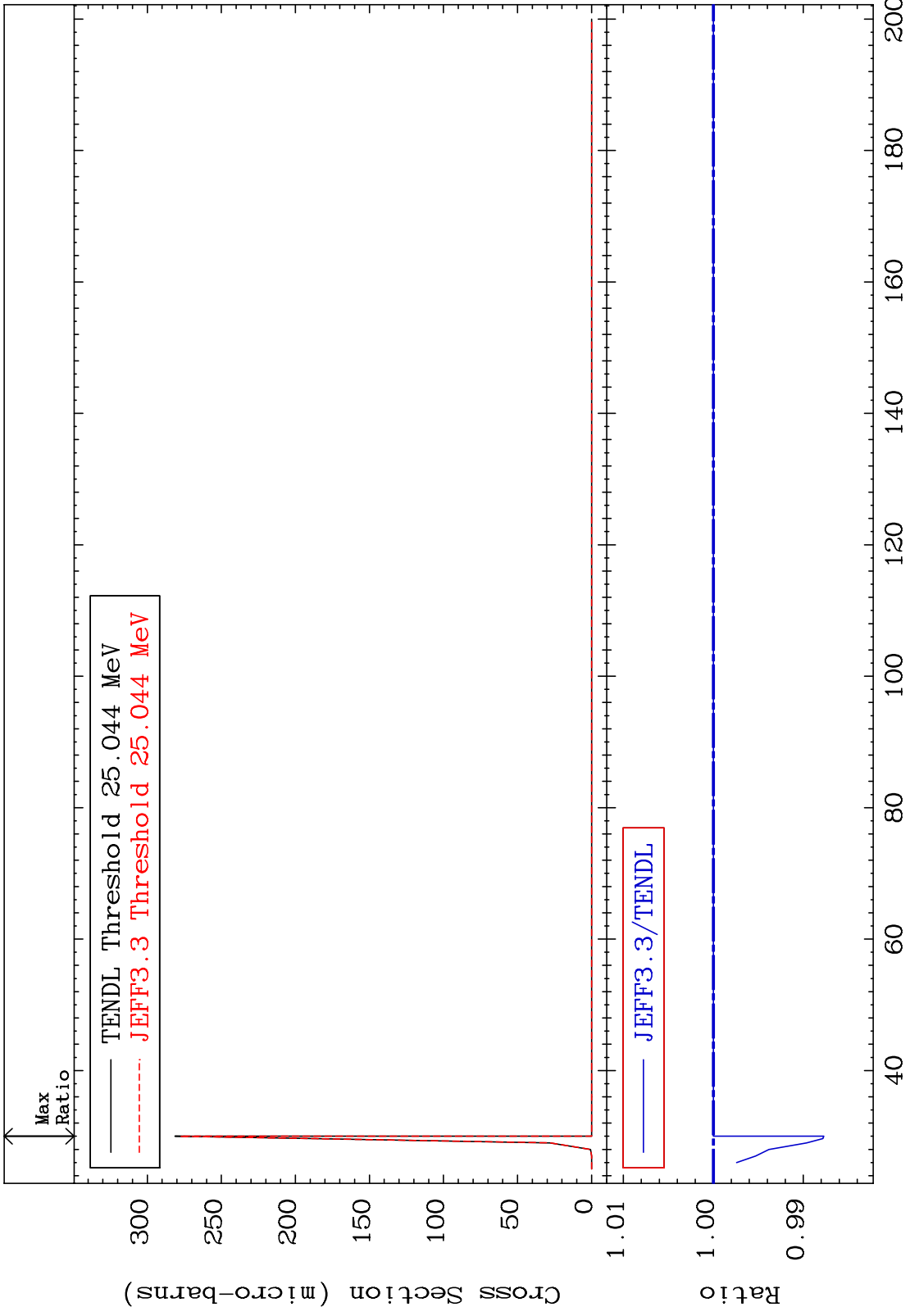
MAT 5425 (n,4n) Cross Section 54-Xe-124 -1.003 To 0.000 %



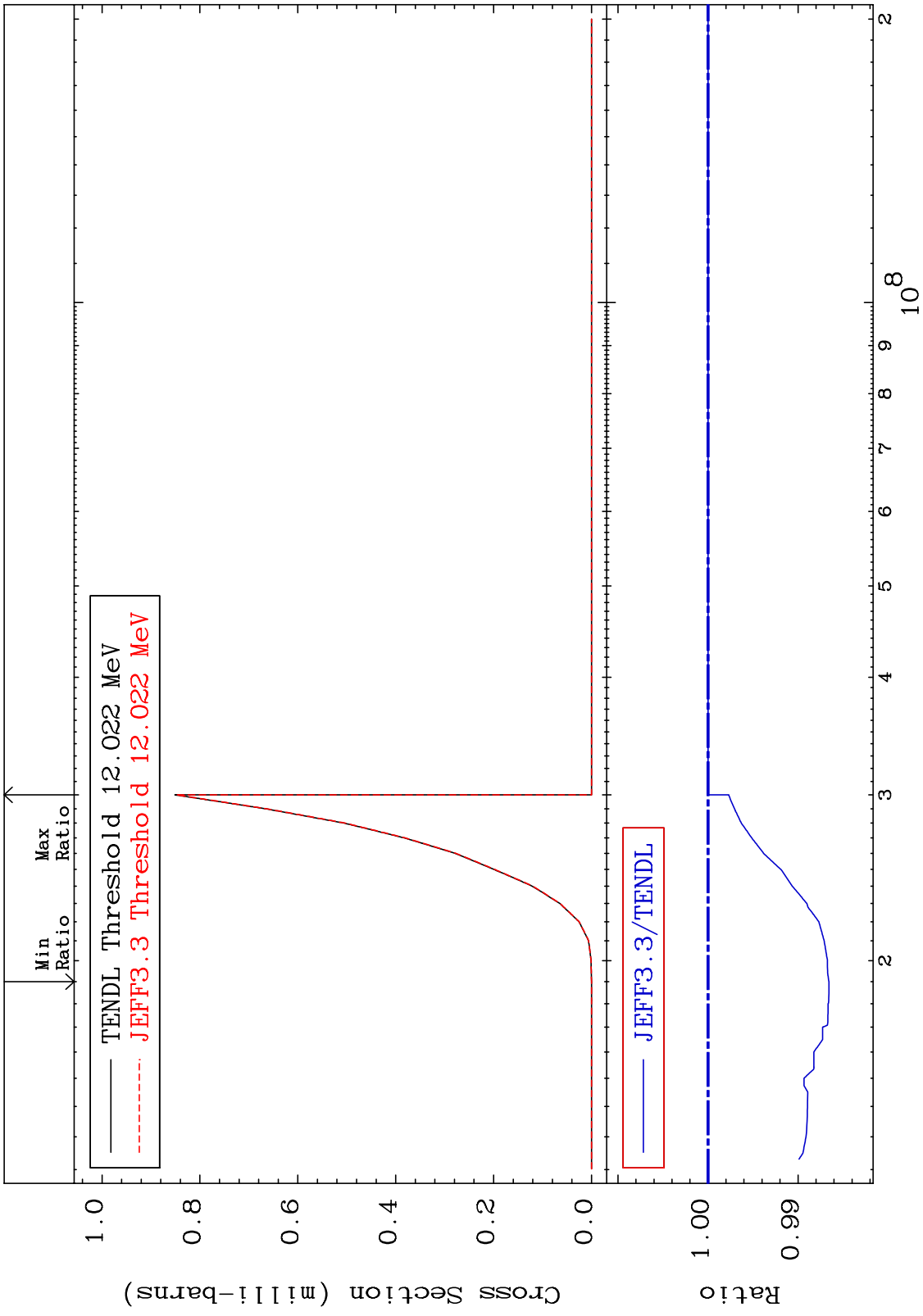
MAT 5425 (n,2n) p 54-Xe-124
 Cross Section -0.728 To 0.000 %



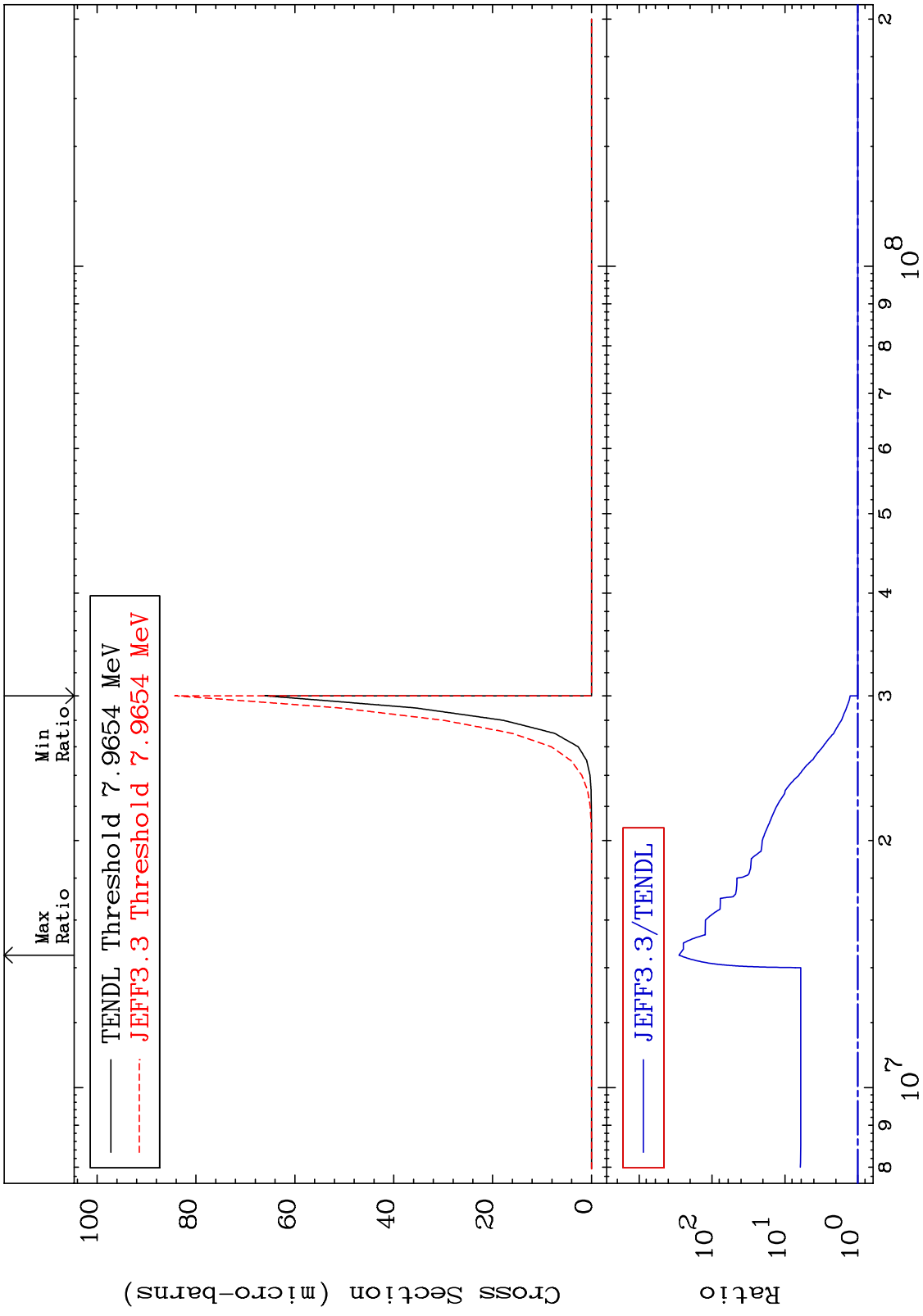
MAT 5425 (n,3n) p 54-Xe-124
Cross Section -1.228 To 0.000 %



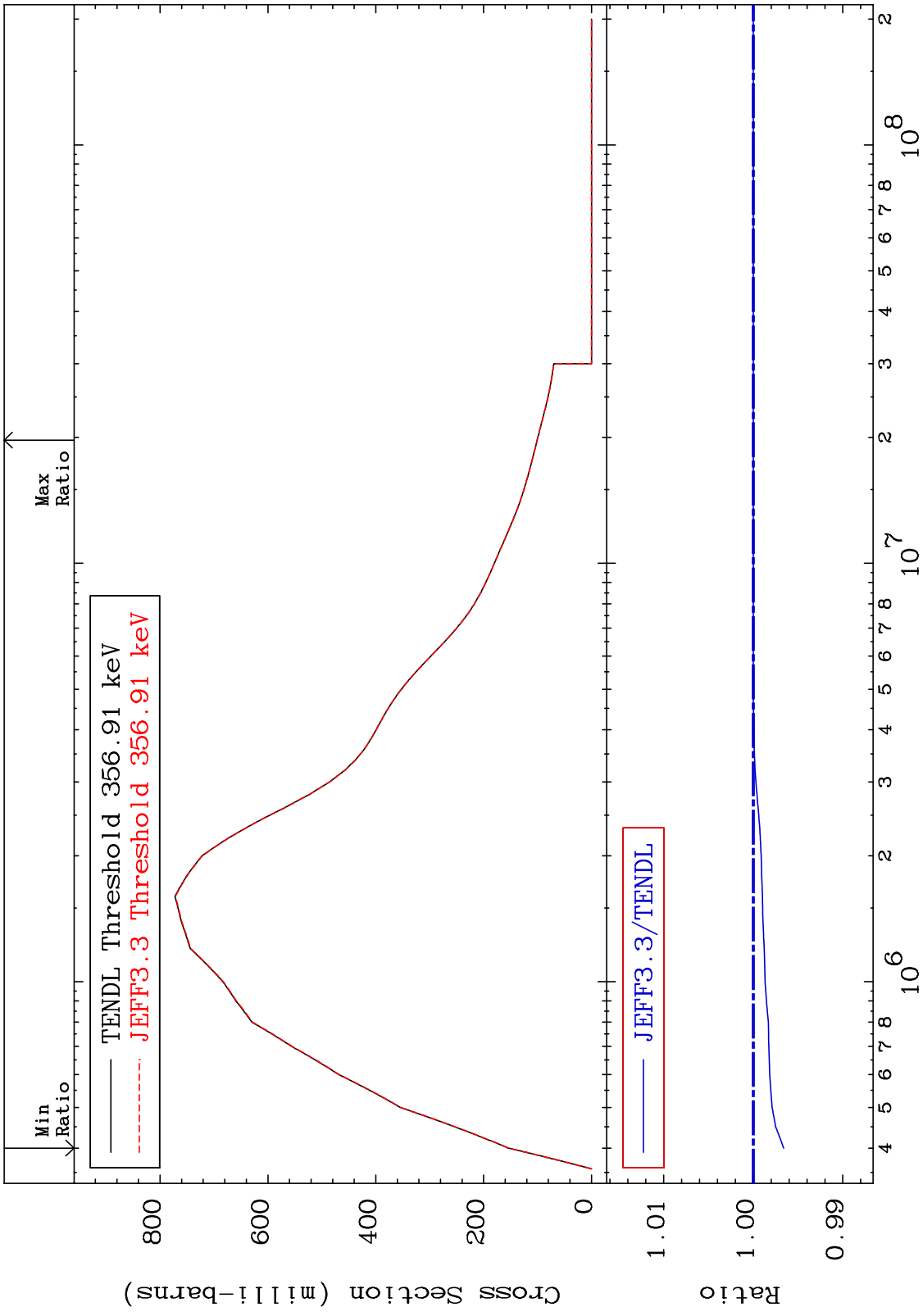
MAT 5425 (n,2n) p 54-Xe-124
 Cross Section -1.343 To 0.000 %



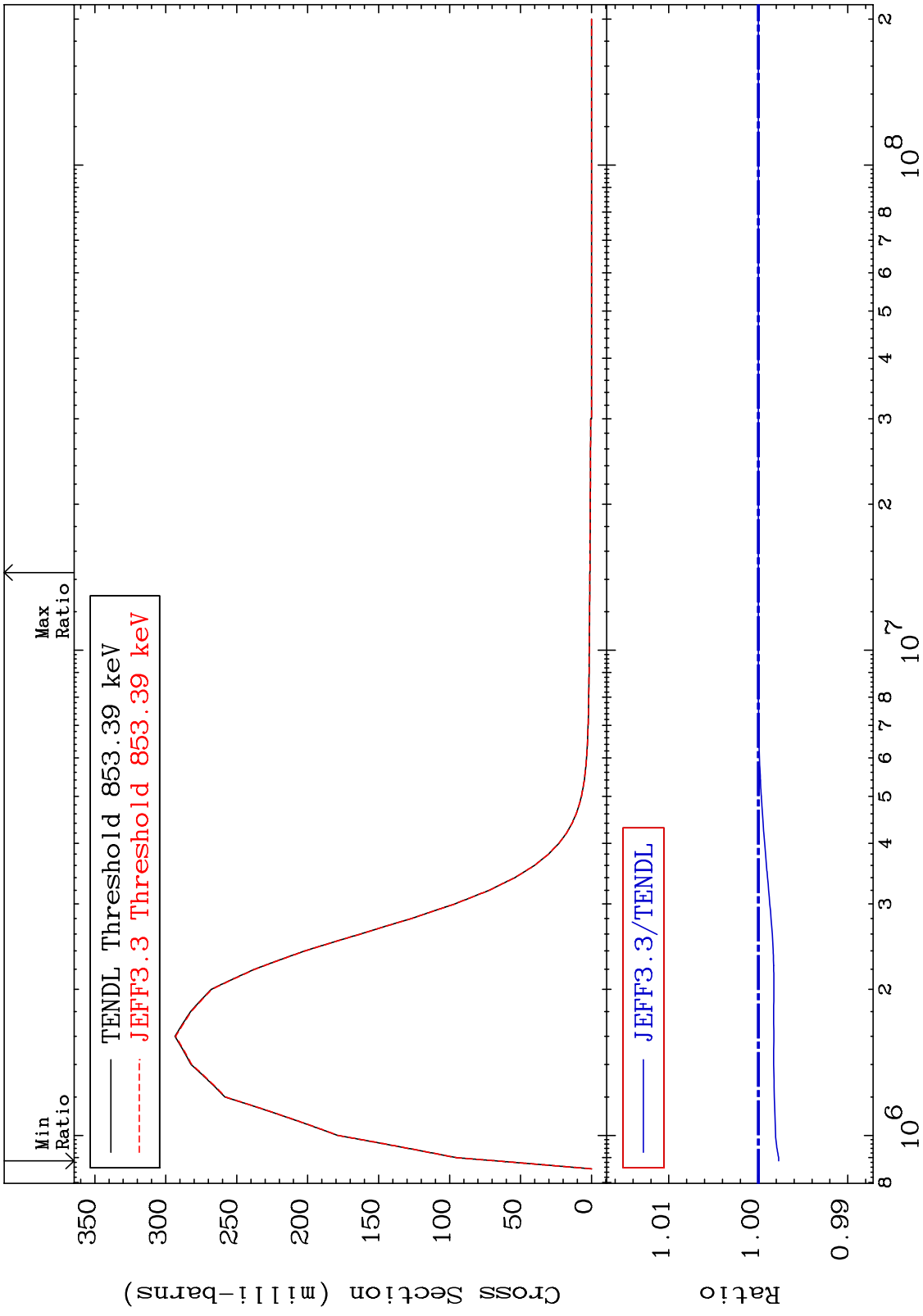
MAT 5425 (n,n') p α 54-Xe-124
 Cross Section 0.000 To 9999. %



MAT 5425 MT= 51 (n,n') Level Cross Section 54-Xe-124 -0.339 To 0.000 %

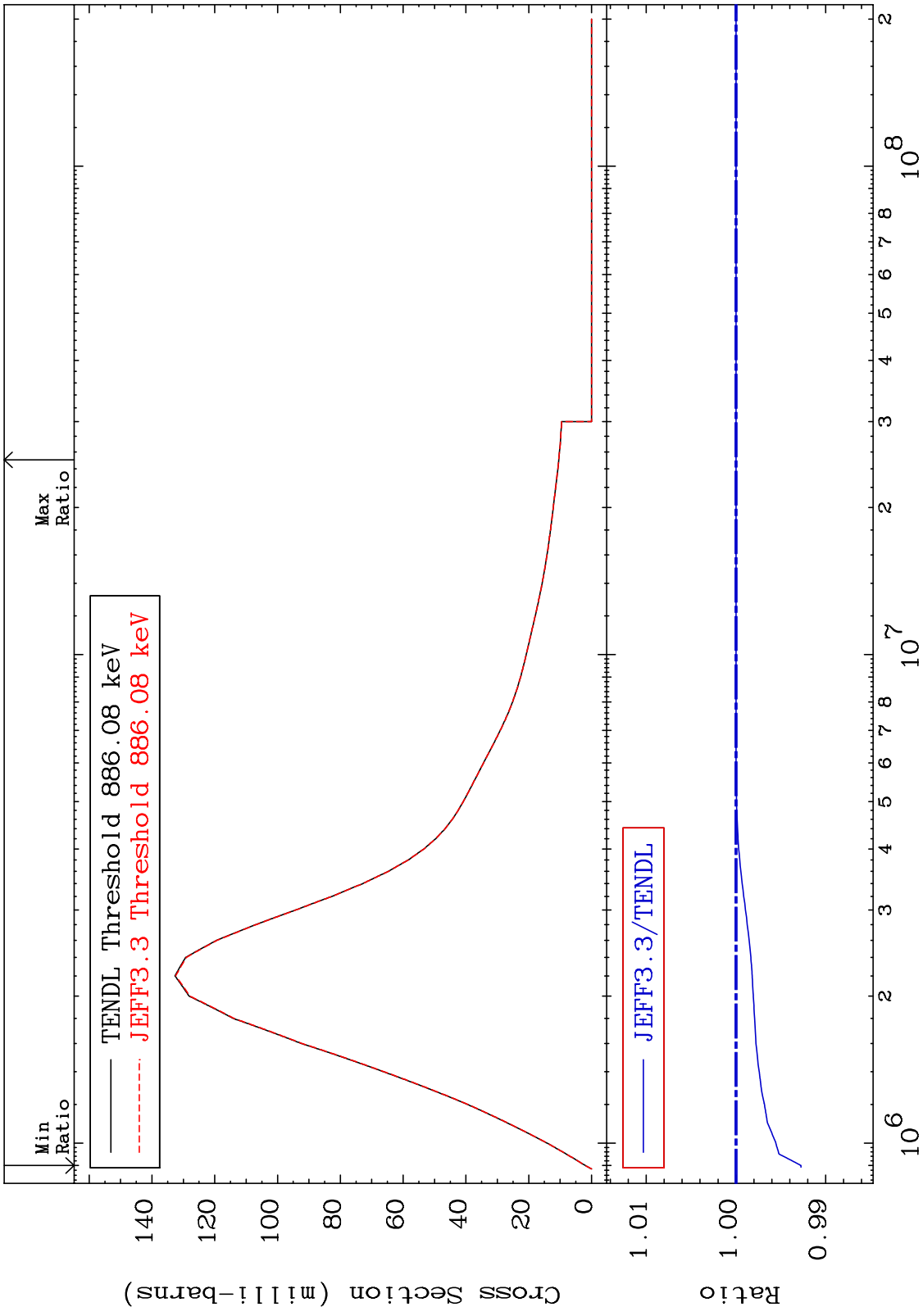


MAT 5425 MT= 52 (n,n') Level Cross Section 54-Xe-124 -0.227 To 0.000 %



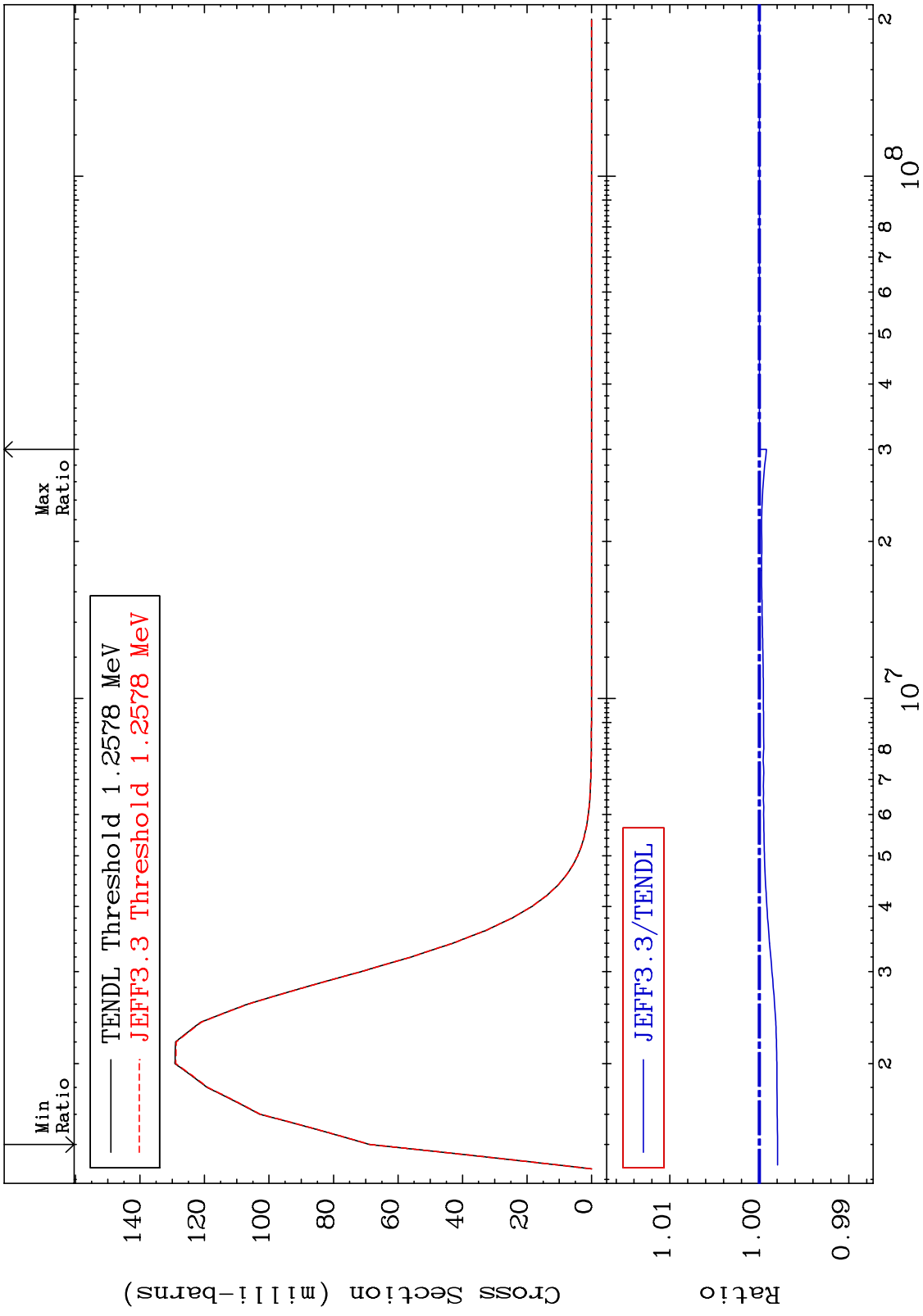
21 54-Xe-124

MAT 5425 MT= 53 (n,n') Level Cross Section 54-Xe-124 -0.724 To 0.000 %

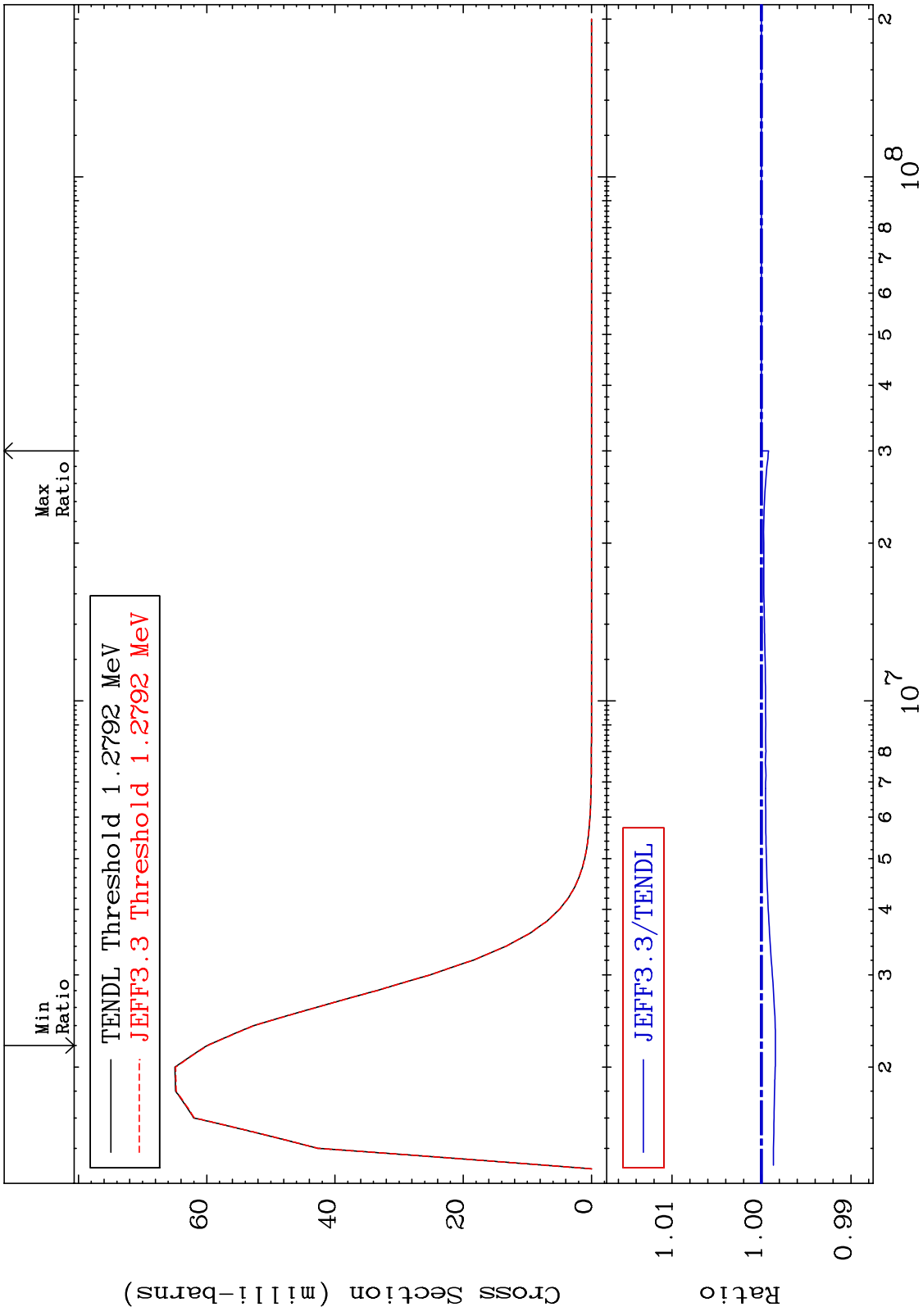


22 Incident Energy (eV) 54-Xe-124

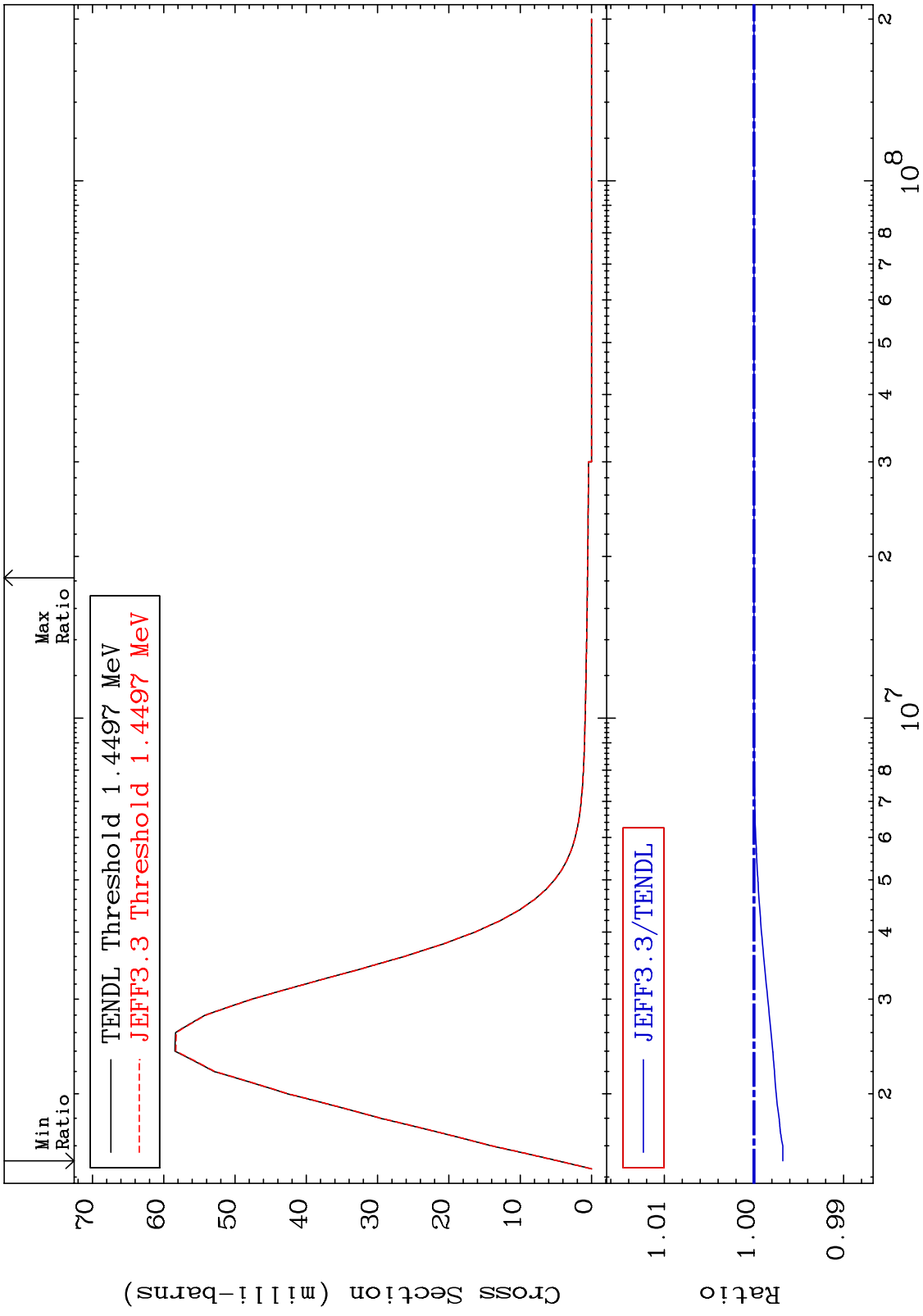
MAT 5425 MT= 54 (n,n') Level Cross Section 54-Xe-124 -0.204 To 0.000 %



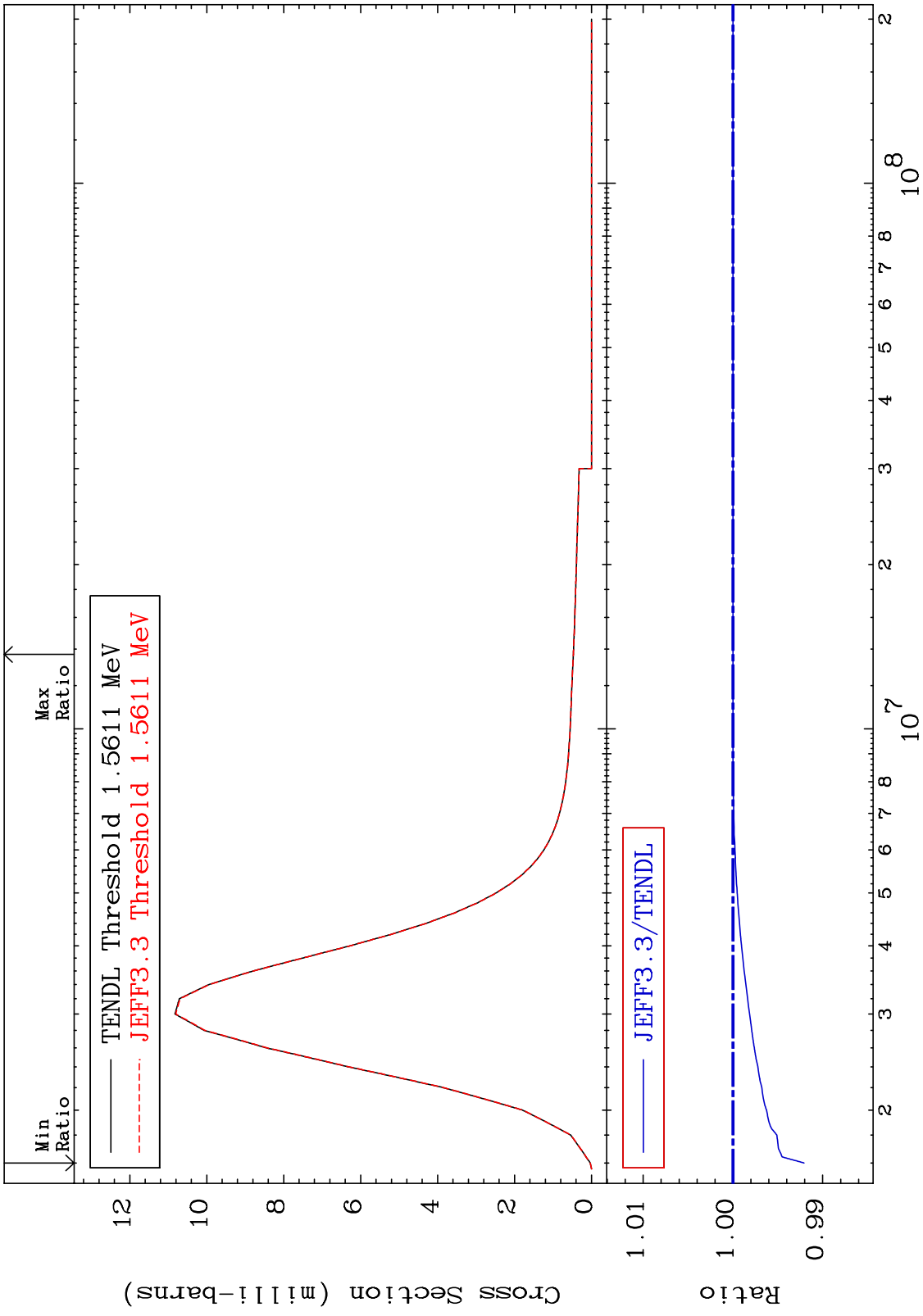
MAT 5425 MT= 55 (n,n') Level Cross Section 54-Xe-124 -0.156 To 0.000 %



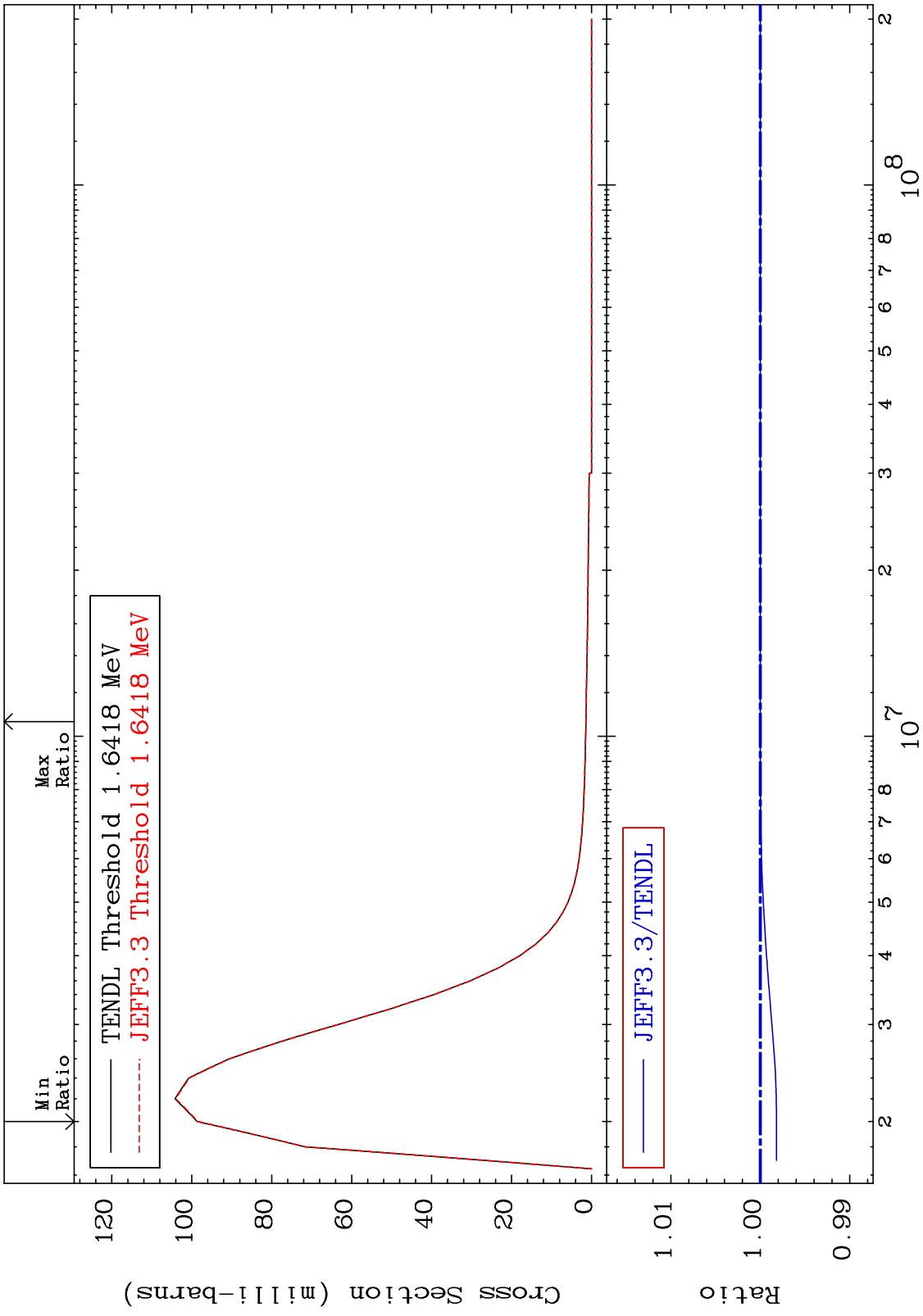
MAT 5425 MT= 56 (n,n') Level Cross Section 54-Xe-124 -0.323 To 0.000 %



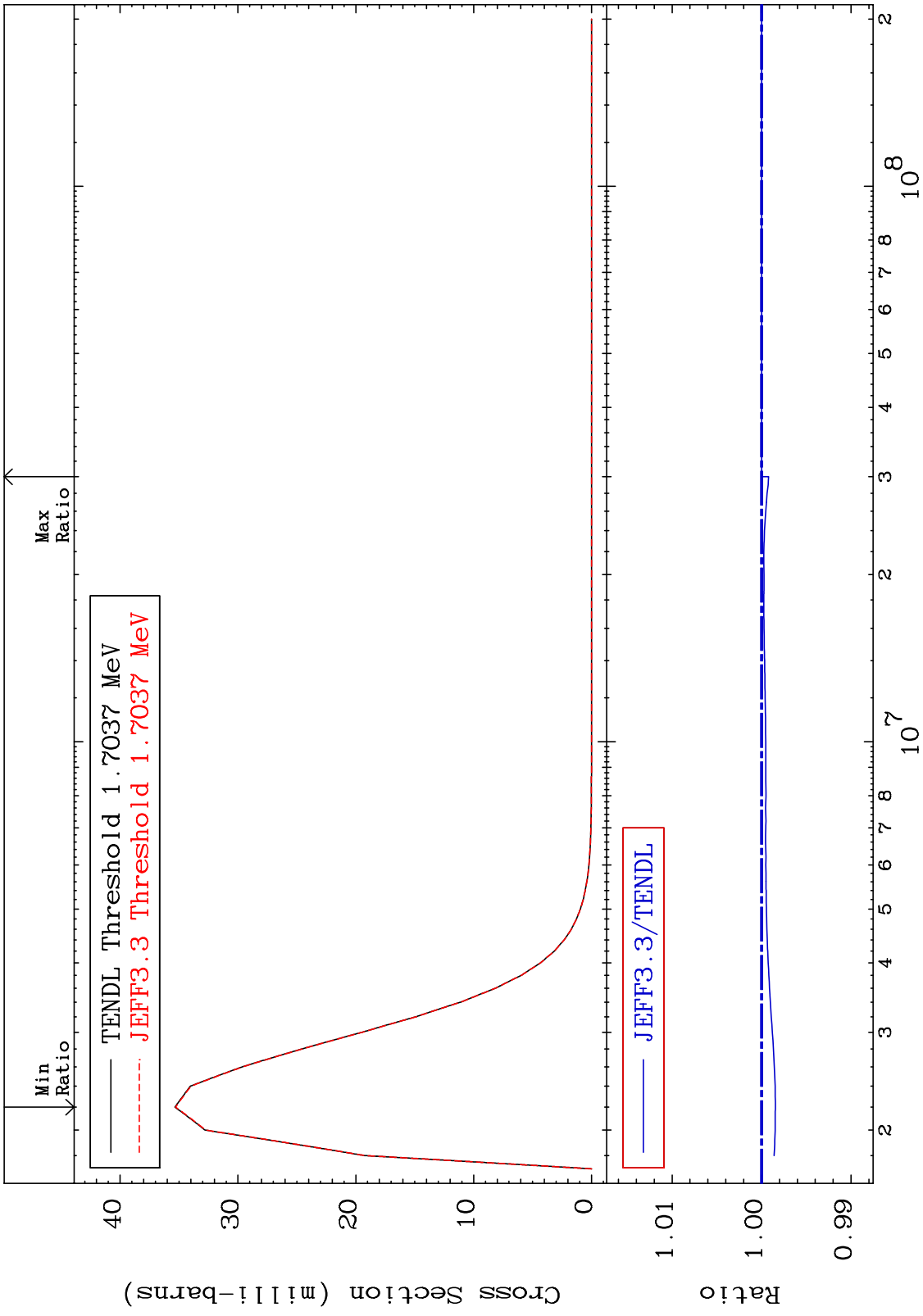
MAT 5425 MT= 57 (n,n') Level Cross Section 54-Xe-124 -0.791 To 0.000 %



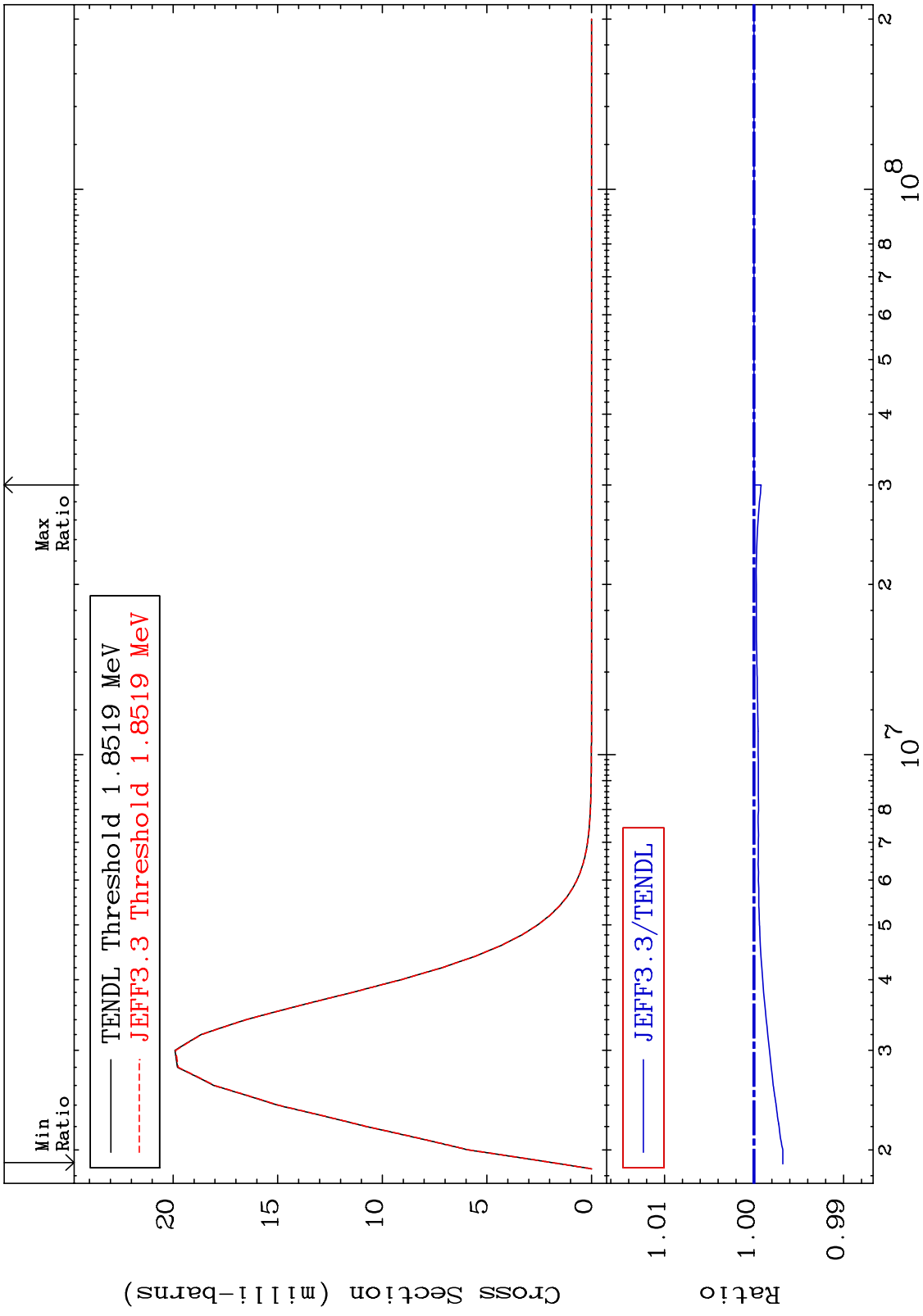
MAT 5425 MT= 58 (n,n') Level Cross Section 54-Xe-124 -0.182 To 0.000 %



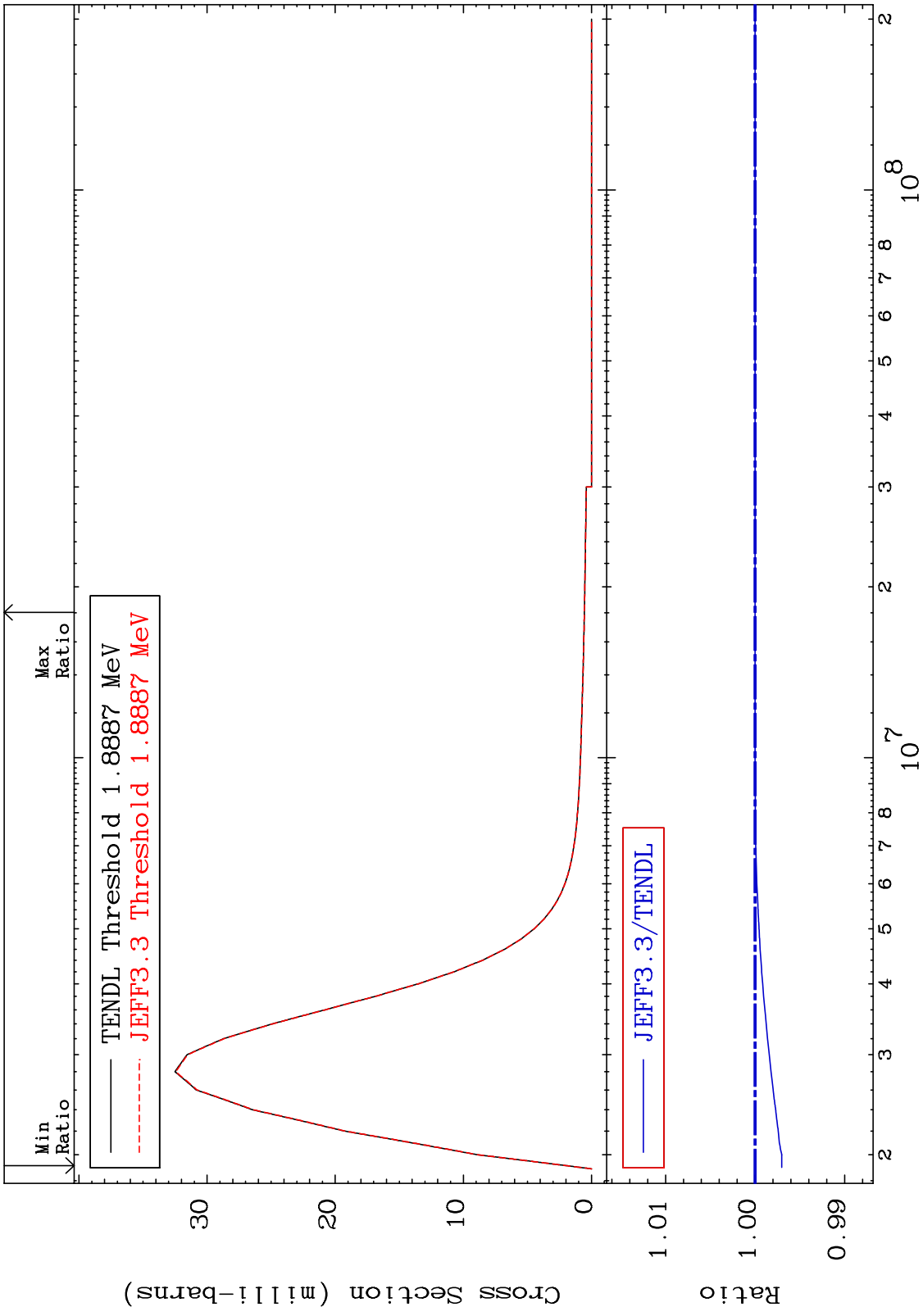
MAT 5425 MT= 59 (n,n') Level Cross Section 54-Xe-124 -0.153 To 0.000 %



MAT 5425 MT= 60 (n,n') Level Cross Section 54-Xe-124 -0.322 To 0.000 %

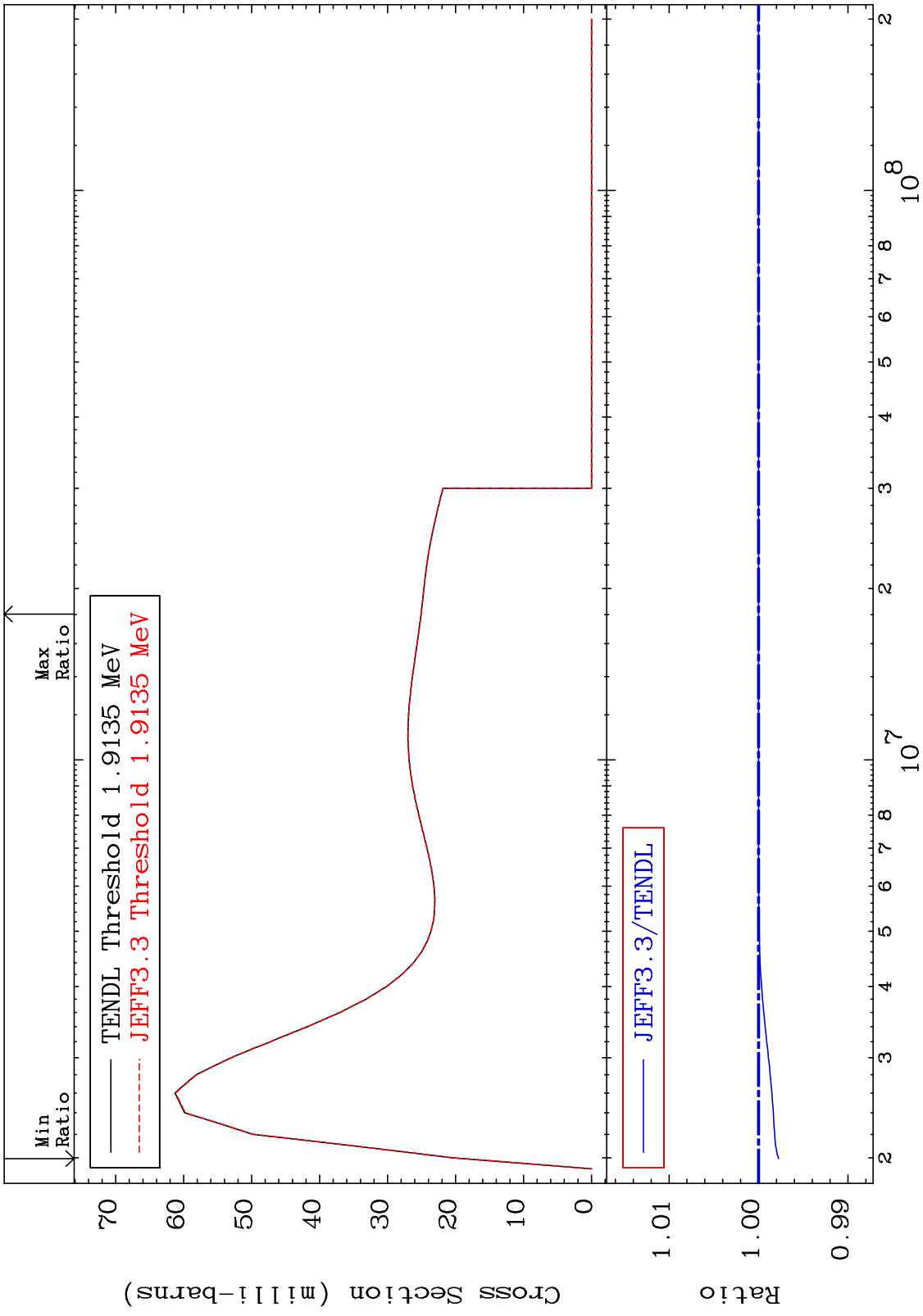


MAT 5425 MT= 61 (n,n') Level Cross Section 54-Xe-124 -0.298 To 0.000 %

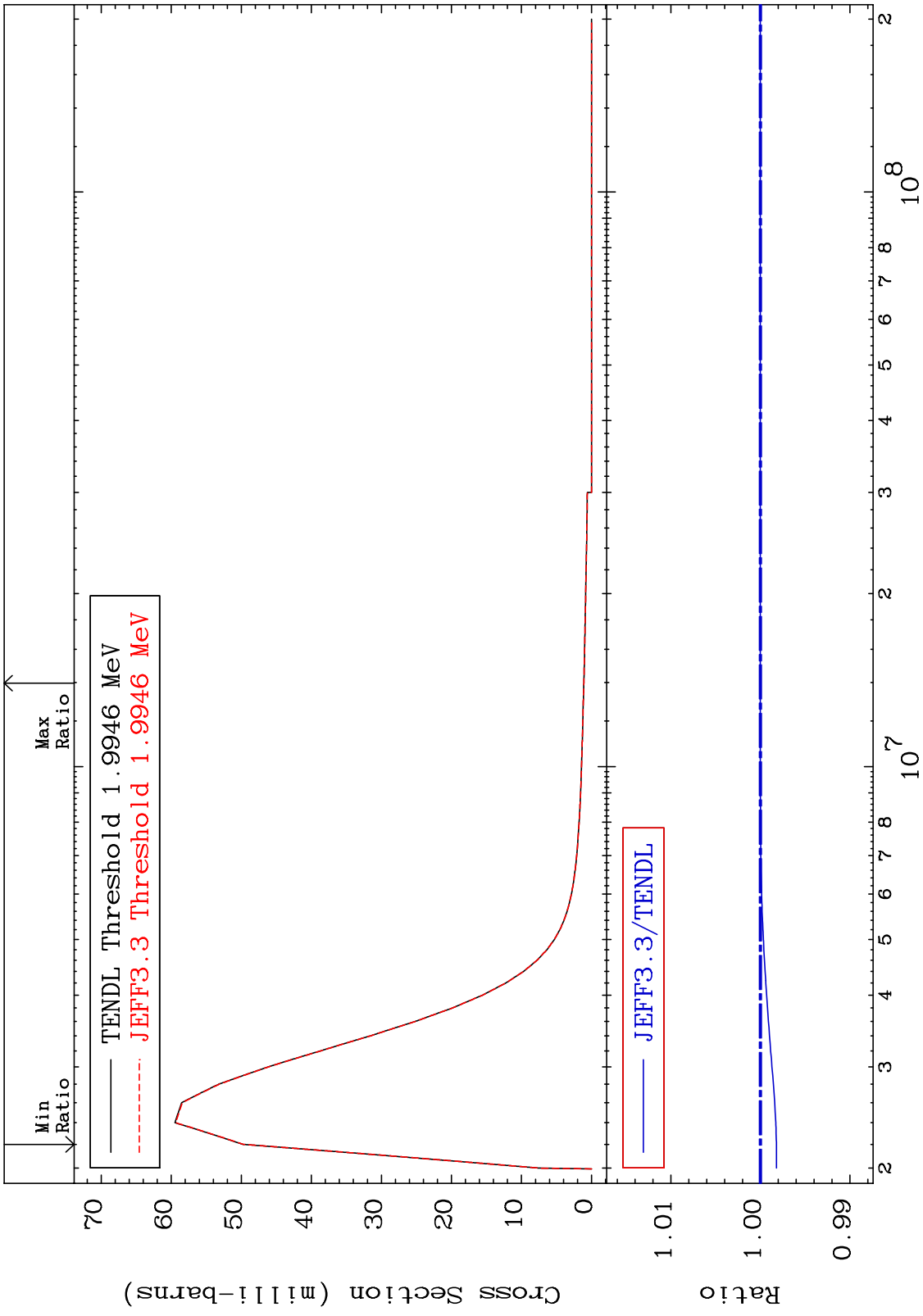


30 54-Xe-124

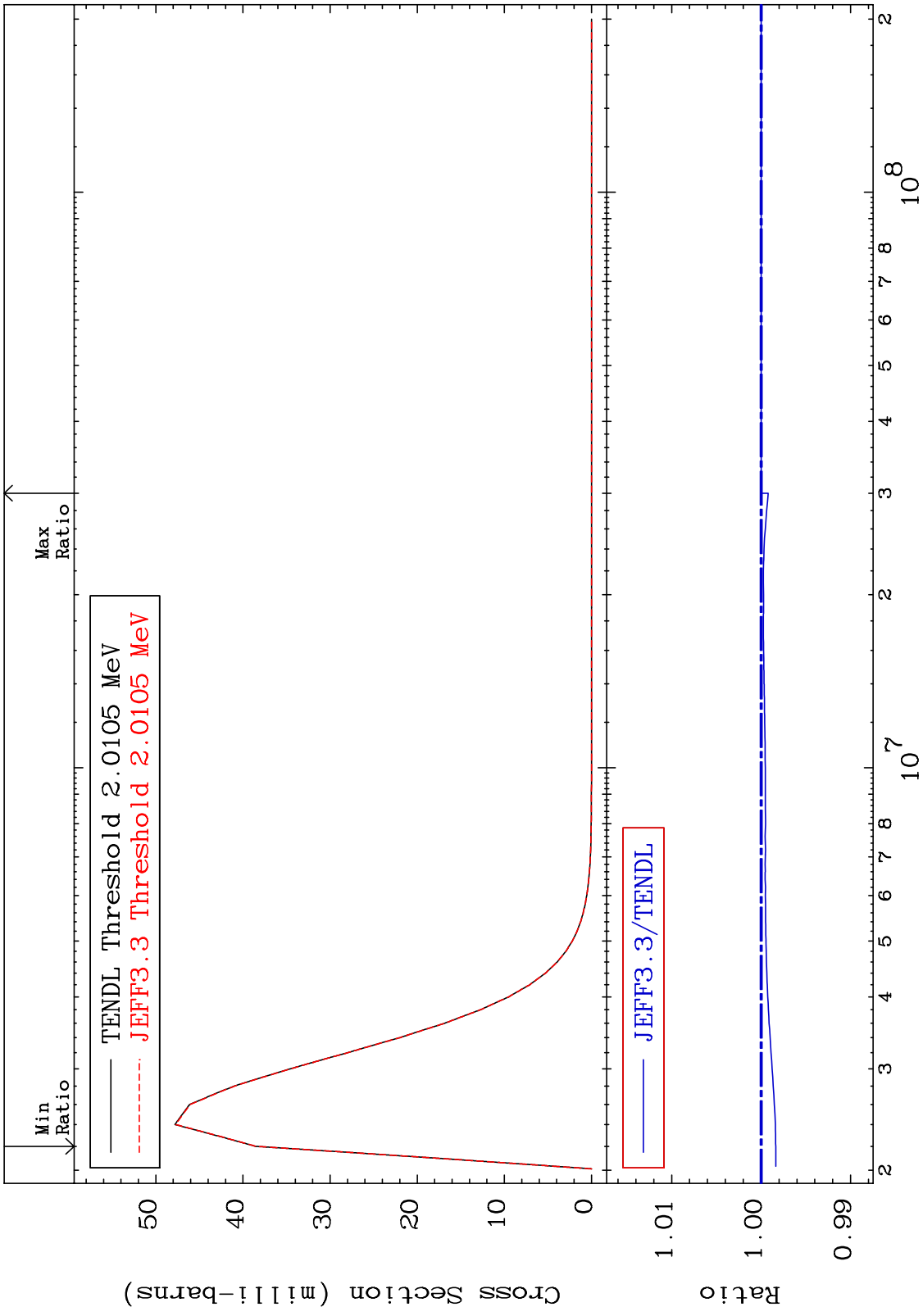
MAT 5425 MT= 62 (n,n') Level Cross Section 54-Xe-124 -0.221 To 0.000 %



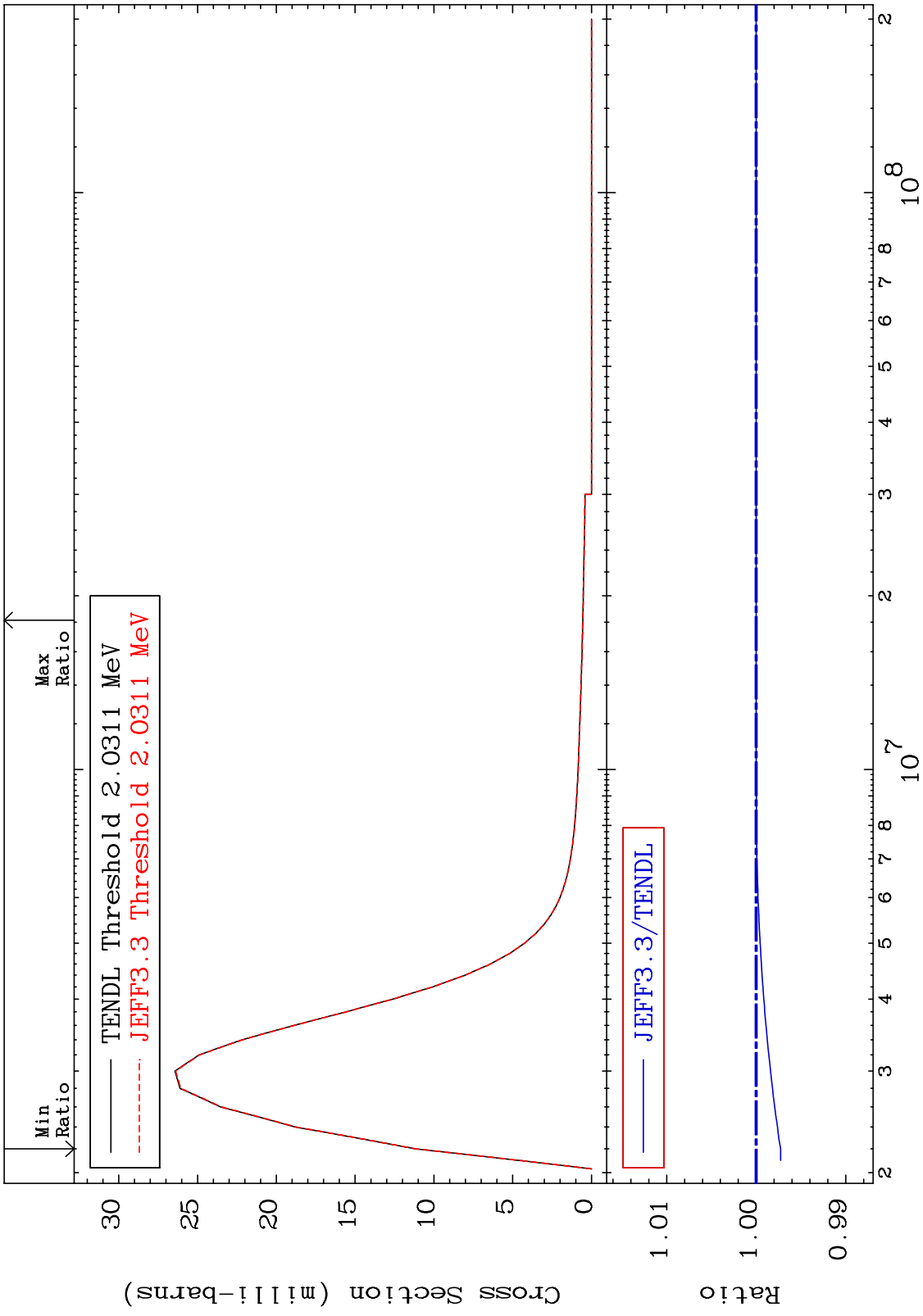
MAT 5425 MT= 63 (n,n') Level Cross Section 54-Xe-124
 -0.180 To 0.000 %



MAT 5425 MT= 64 (n,n') Level Cross Section 54-Xe-124 -0.163 To 0.000 %

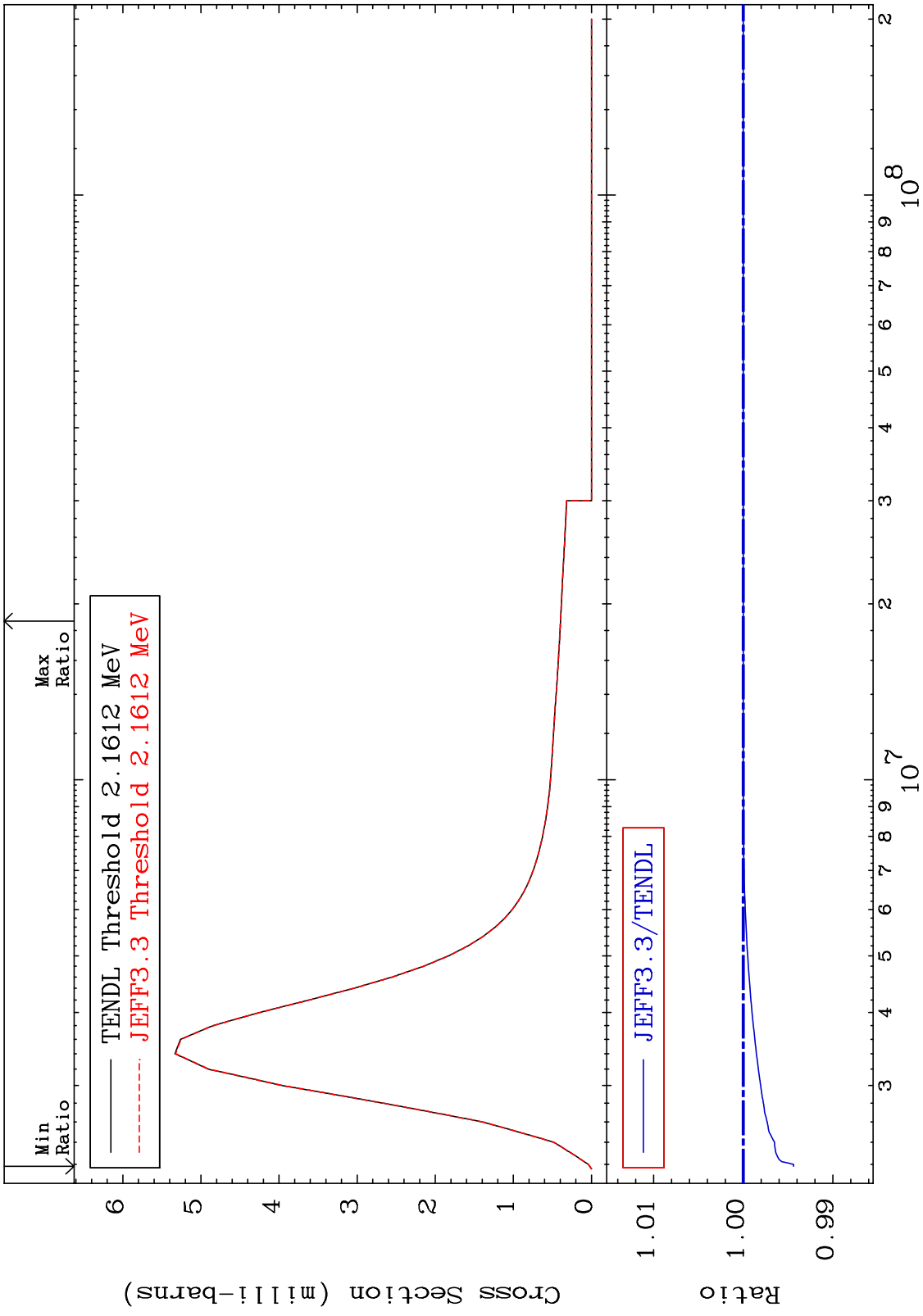


MAT 5425 MT= 65 (n,n') Level Cross Section 54-Xe-124 -0.273 To 0.000 %

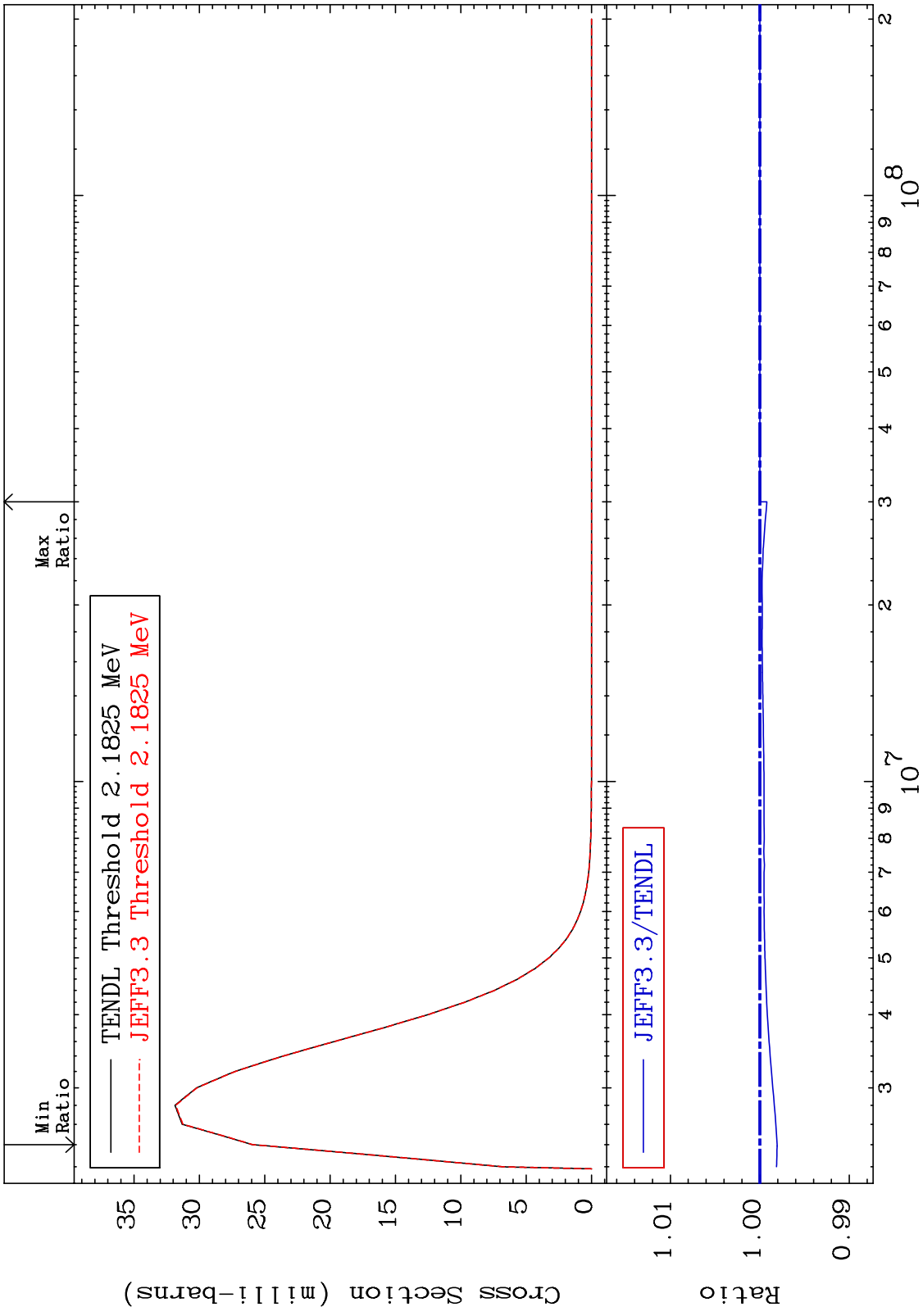


34 Incident Energy (eV) 54-Xe-124

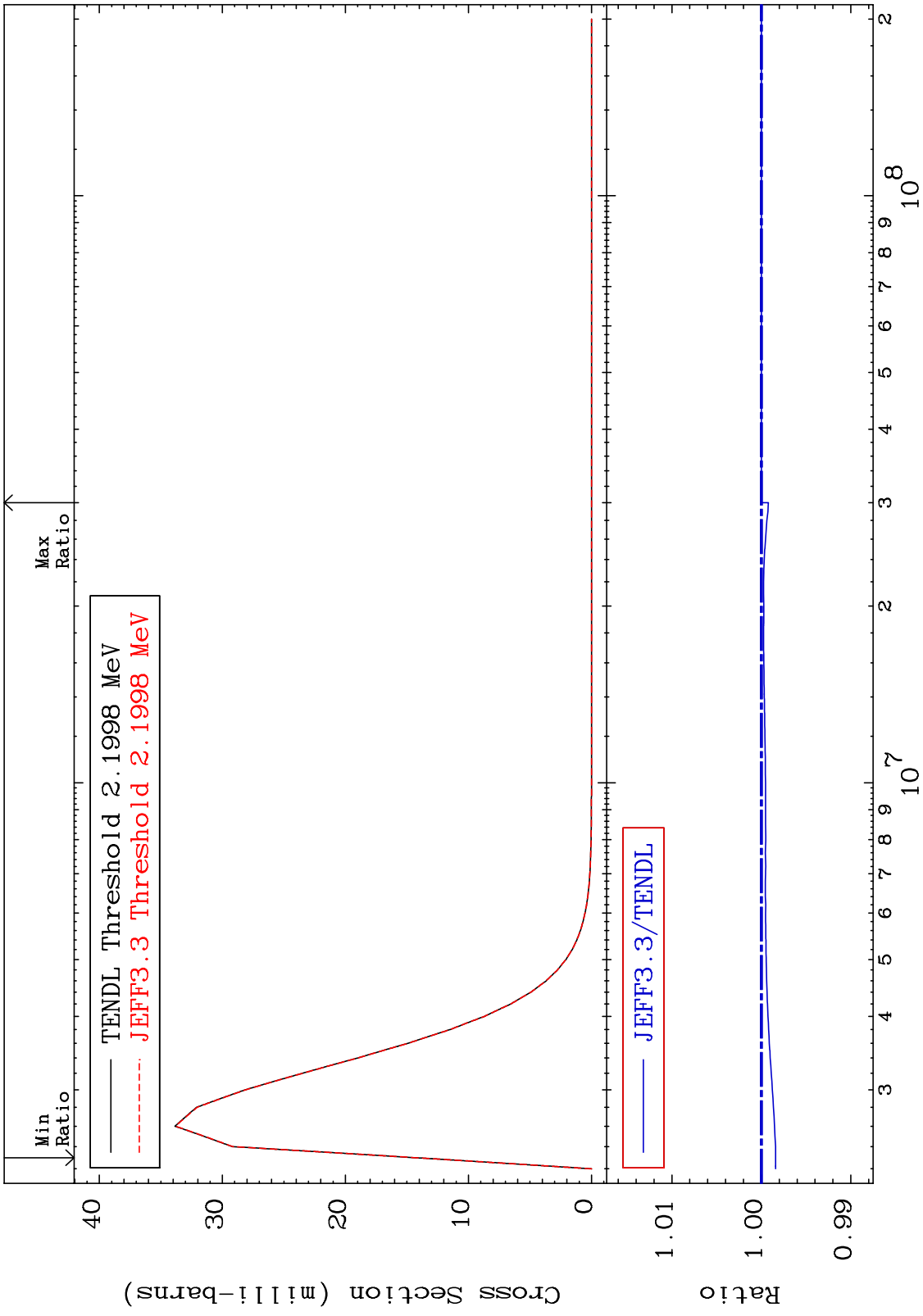
MAT 5425 MT= 66 (n,n') Level Cross Section 54-Xe-124 -0.561 To 0.000 %



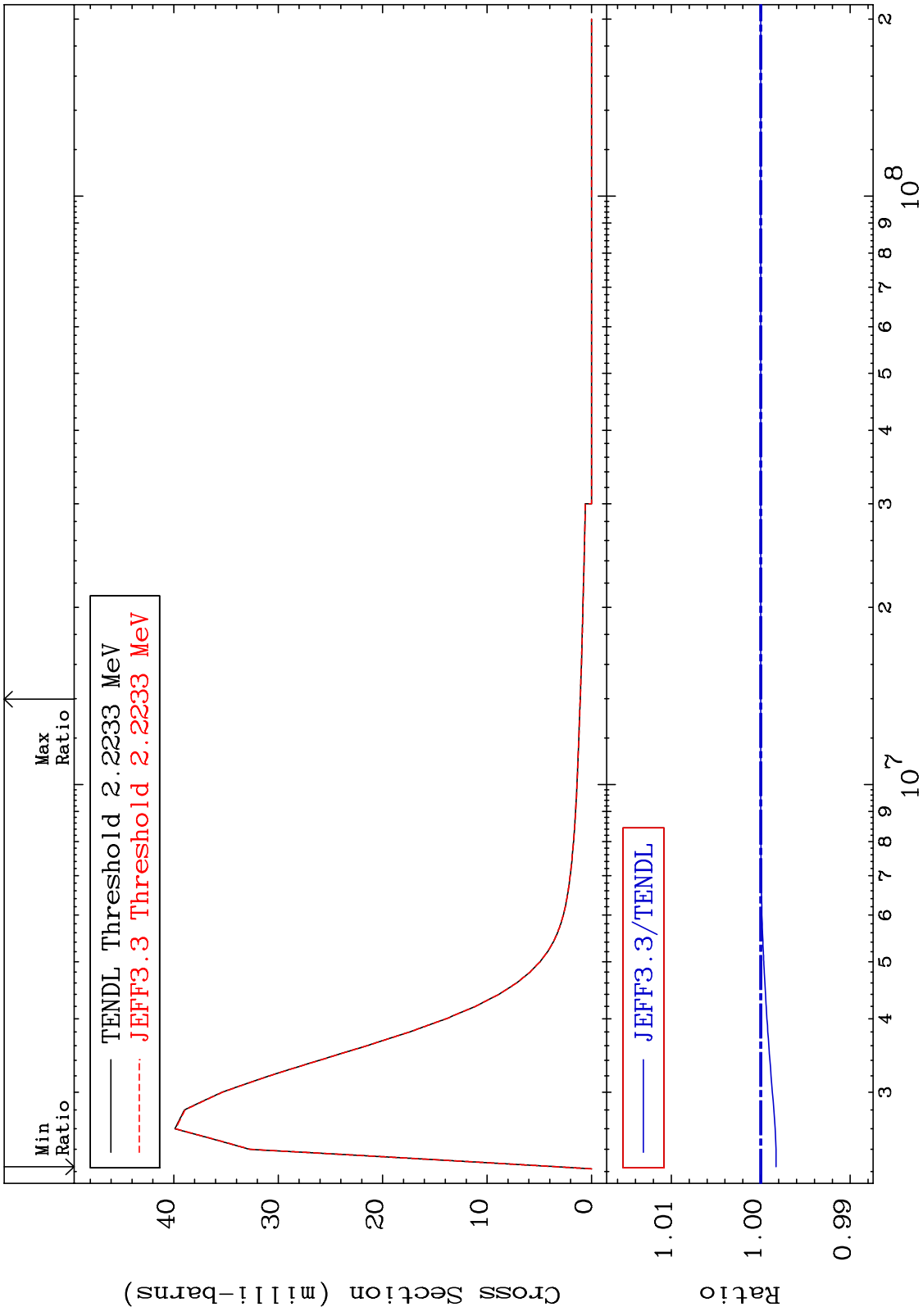
MAT 5425 MT= 67 (n,n') Level Cross Section 54-Xe-124 -0.192 To 0.000 %



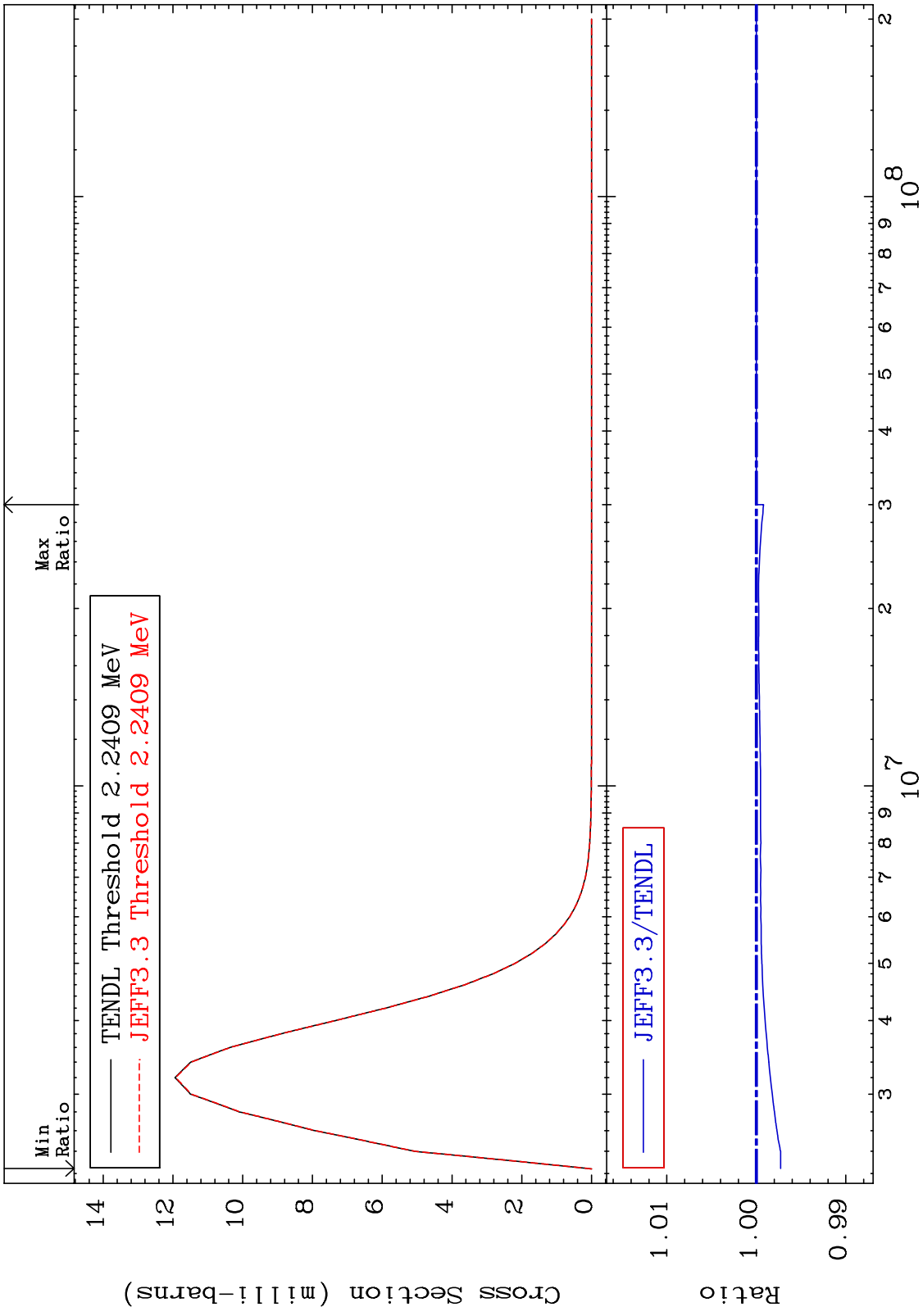
MAT 5425 MT= 68 (n,n') Level Cross Section 54-Xe-124
 -0.158 To 0.000 %



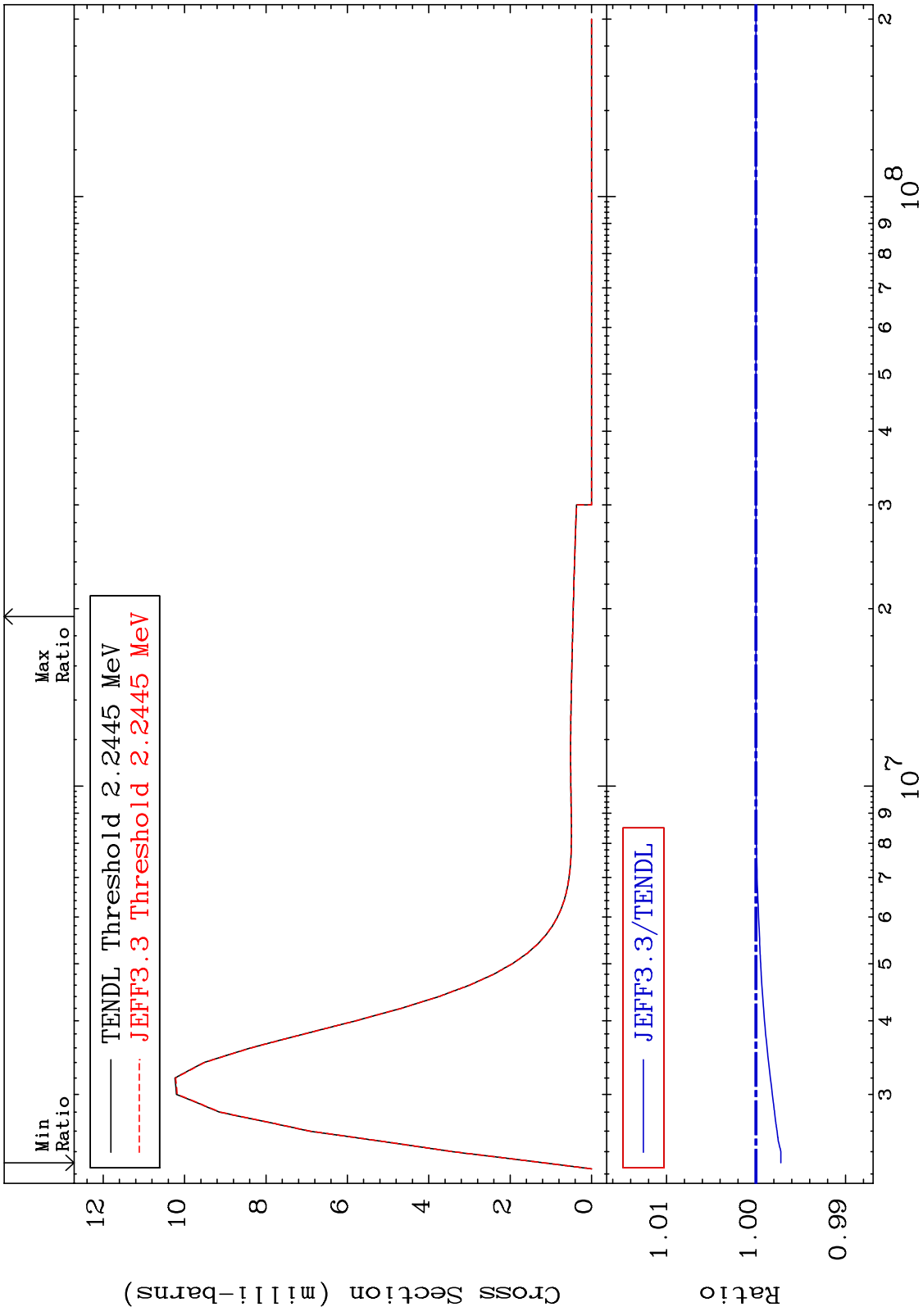
MAT 5425 MT= 69 (n,n') Level Cross Section 54-Xe-124 -0.172 To 0.000 %



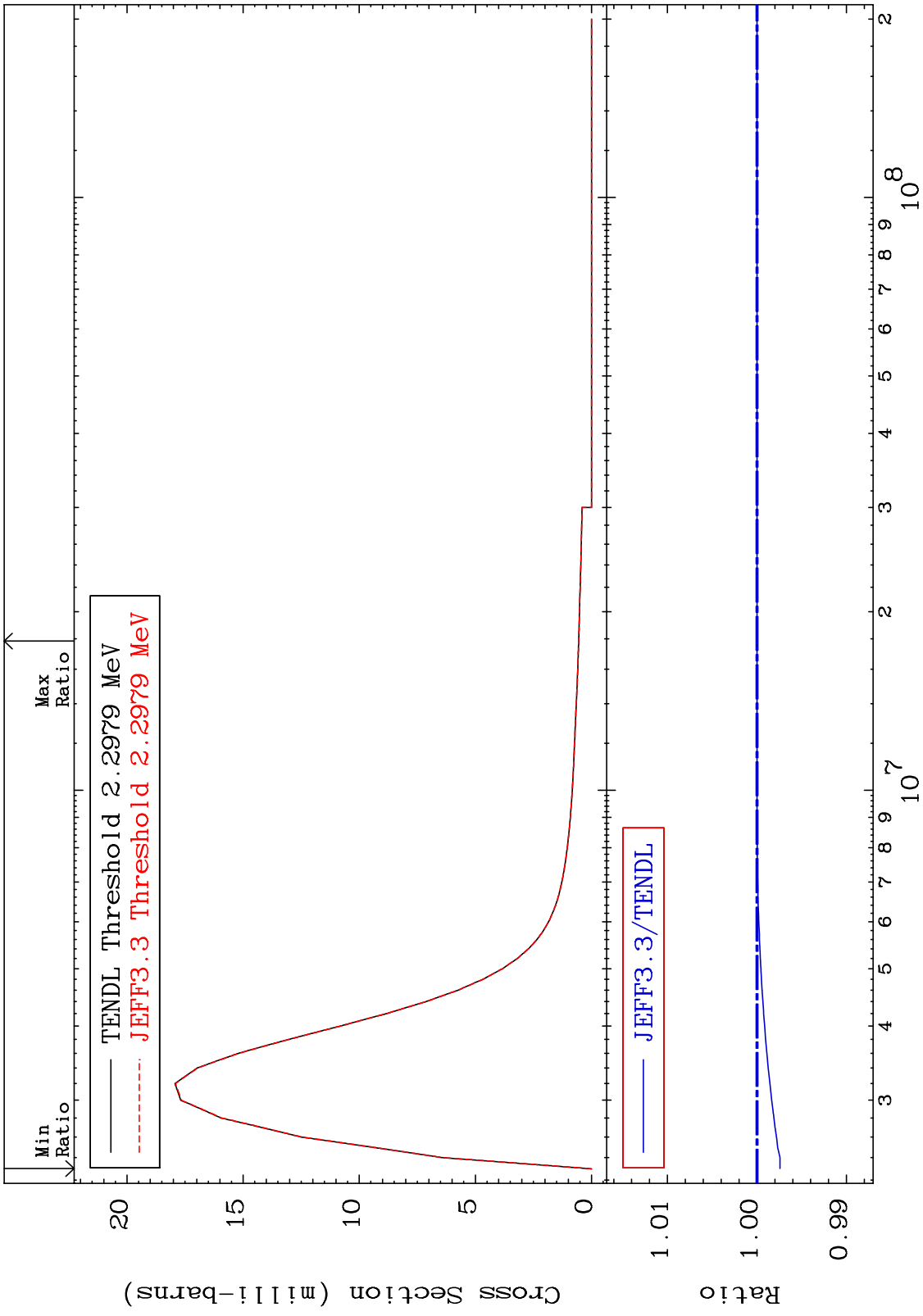
MAT 5425 MT= 70 (n,n') Level Cross Section 54-Xe-124
 -0.270 To 0.000 %



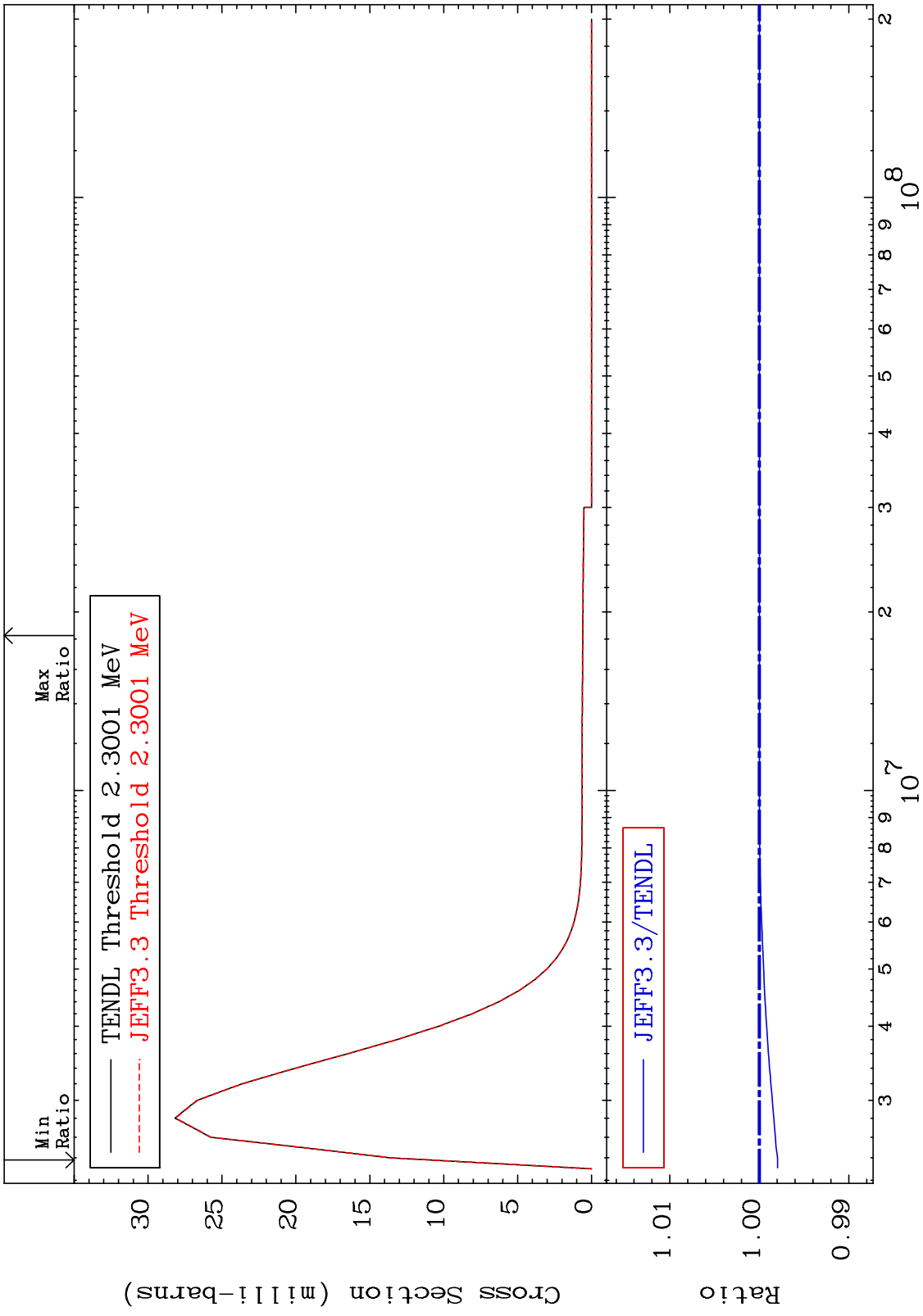
MAT 5425 MT= 71 (n,n') Level Cross Section 54-Xe-124 -0.278 To 0.000 %



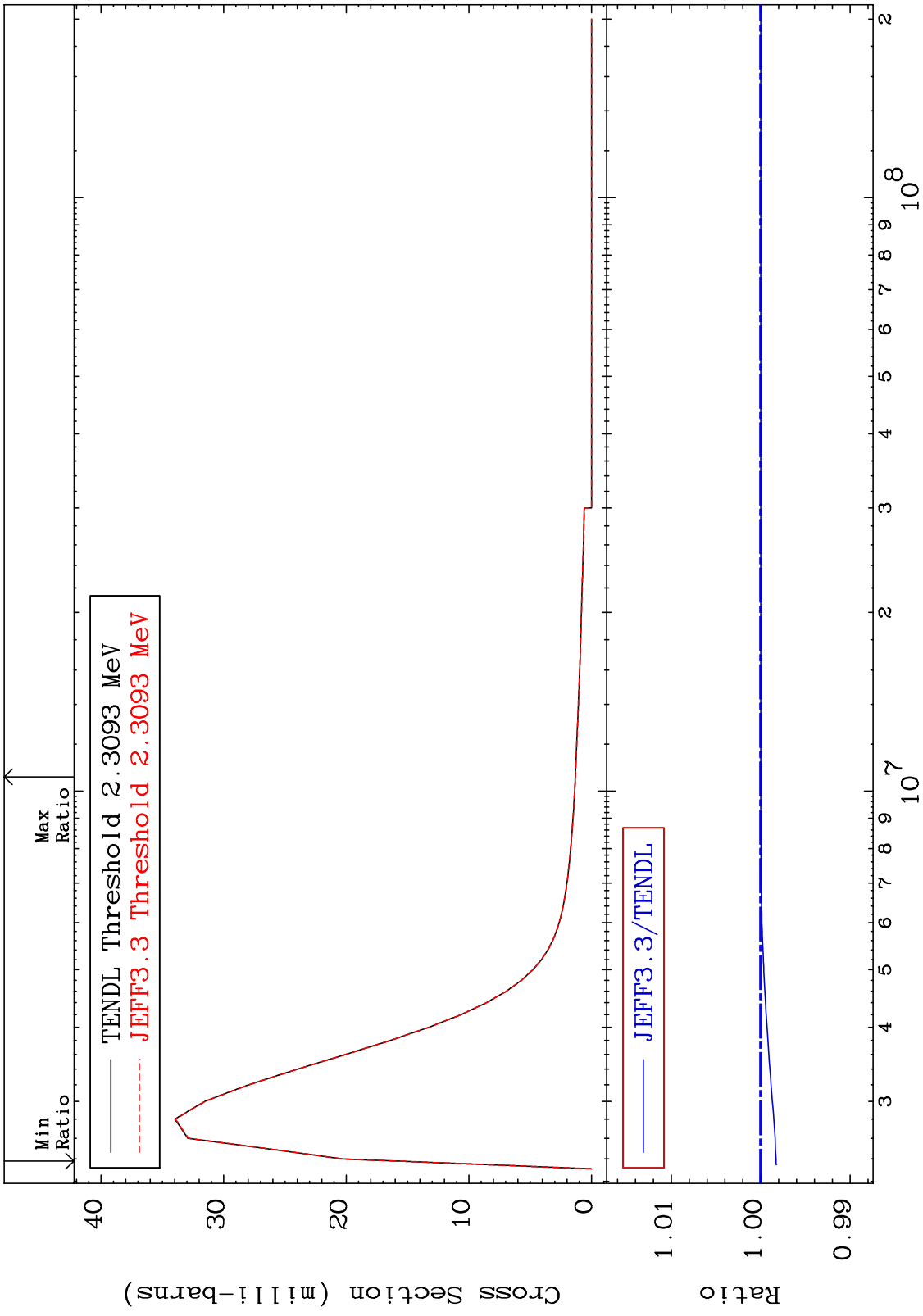
MAT 5425 MT= 72 (n,n') Level Cross Section 54-Xe-124 -0.257 To 0.000 %



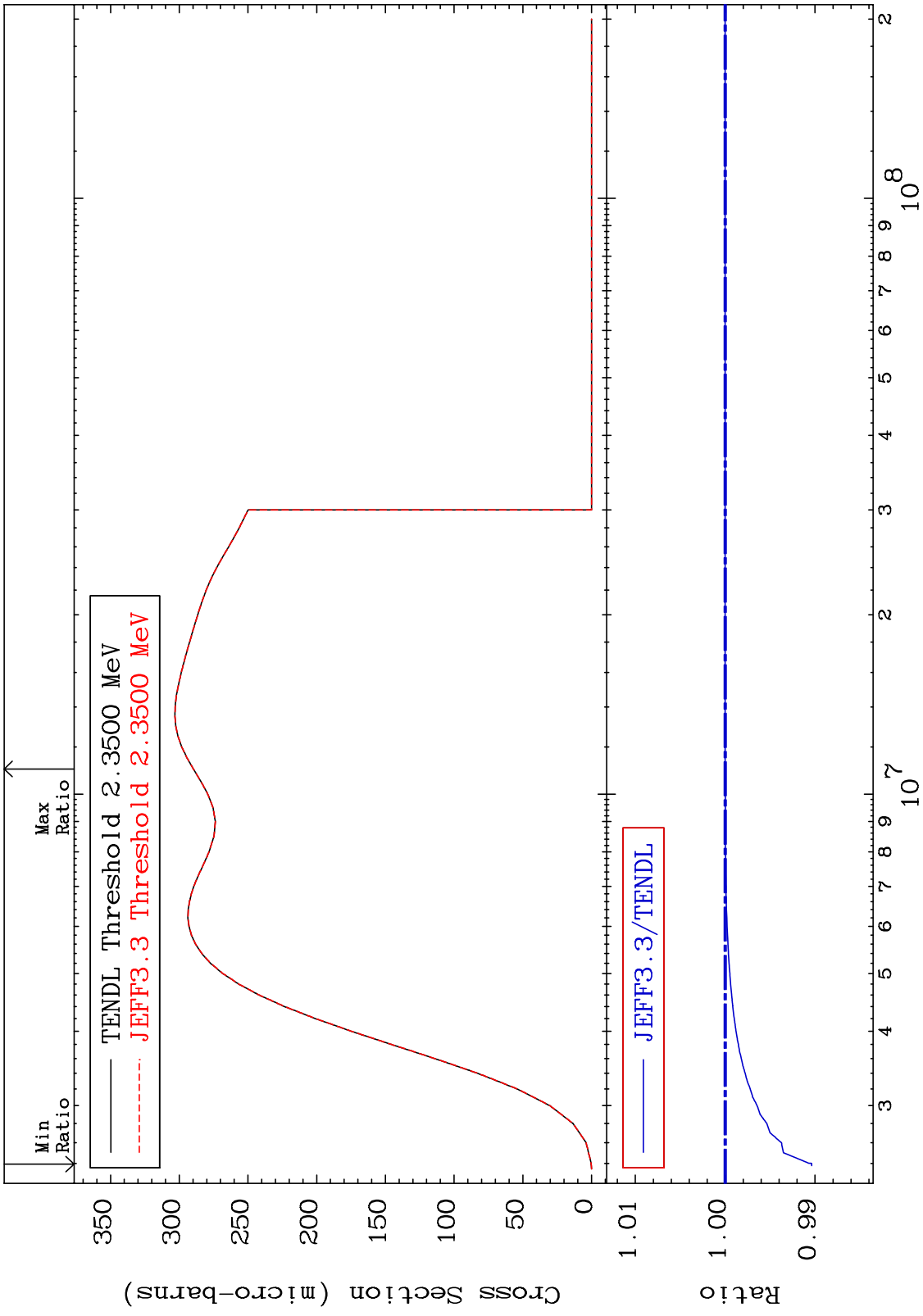
MAT 5425 MT= 73 (n,n') Level Cross Section 54-Xe-124 -0.204 To 0.000 %



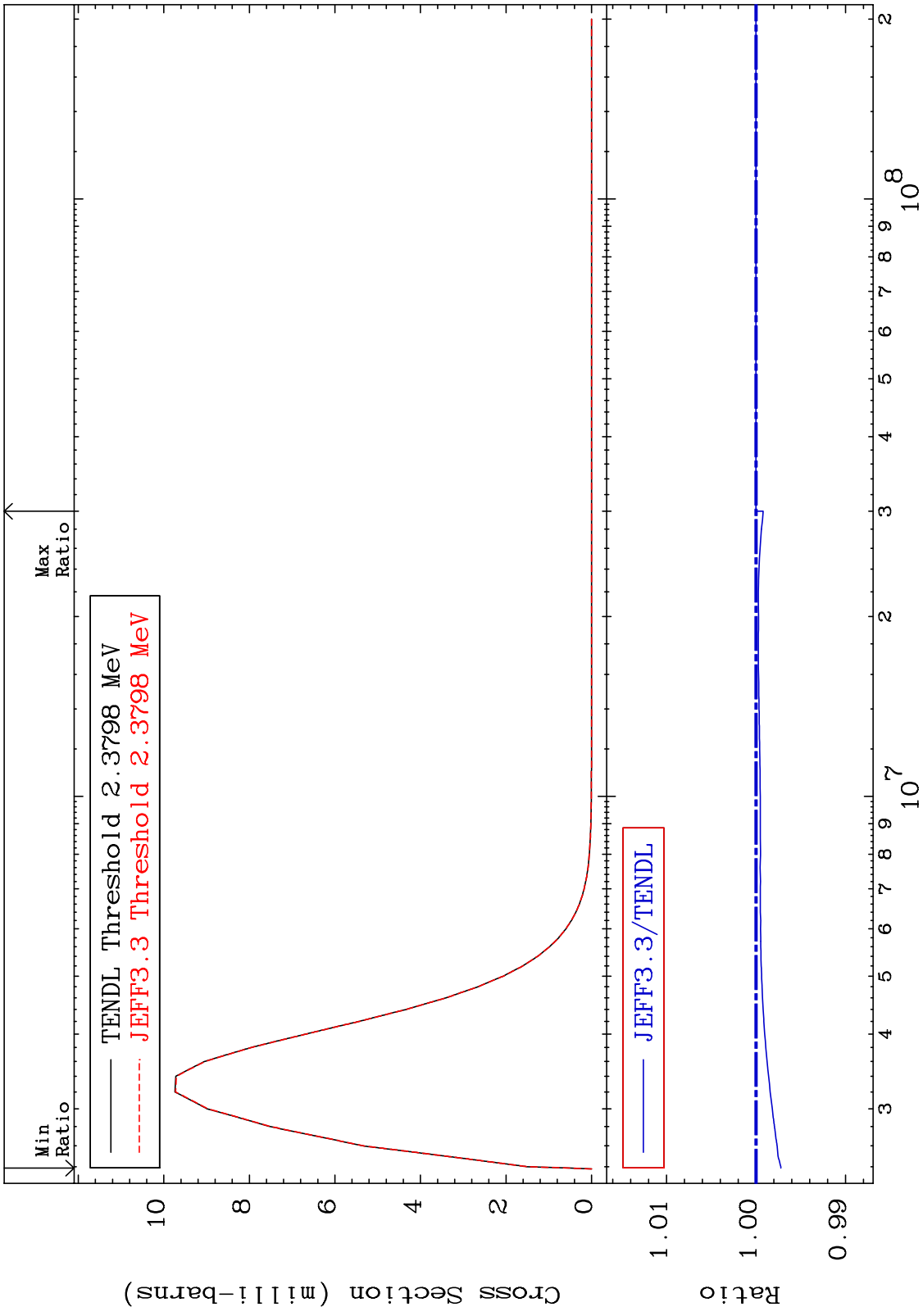
MAT 5425 MT= 74 (n,n') Level Cross Section 54-Xe-124 -0.172 To 0.000 %



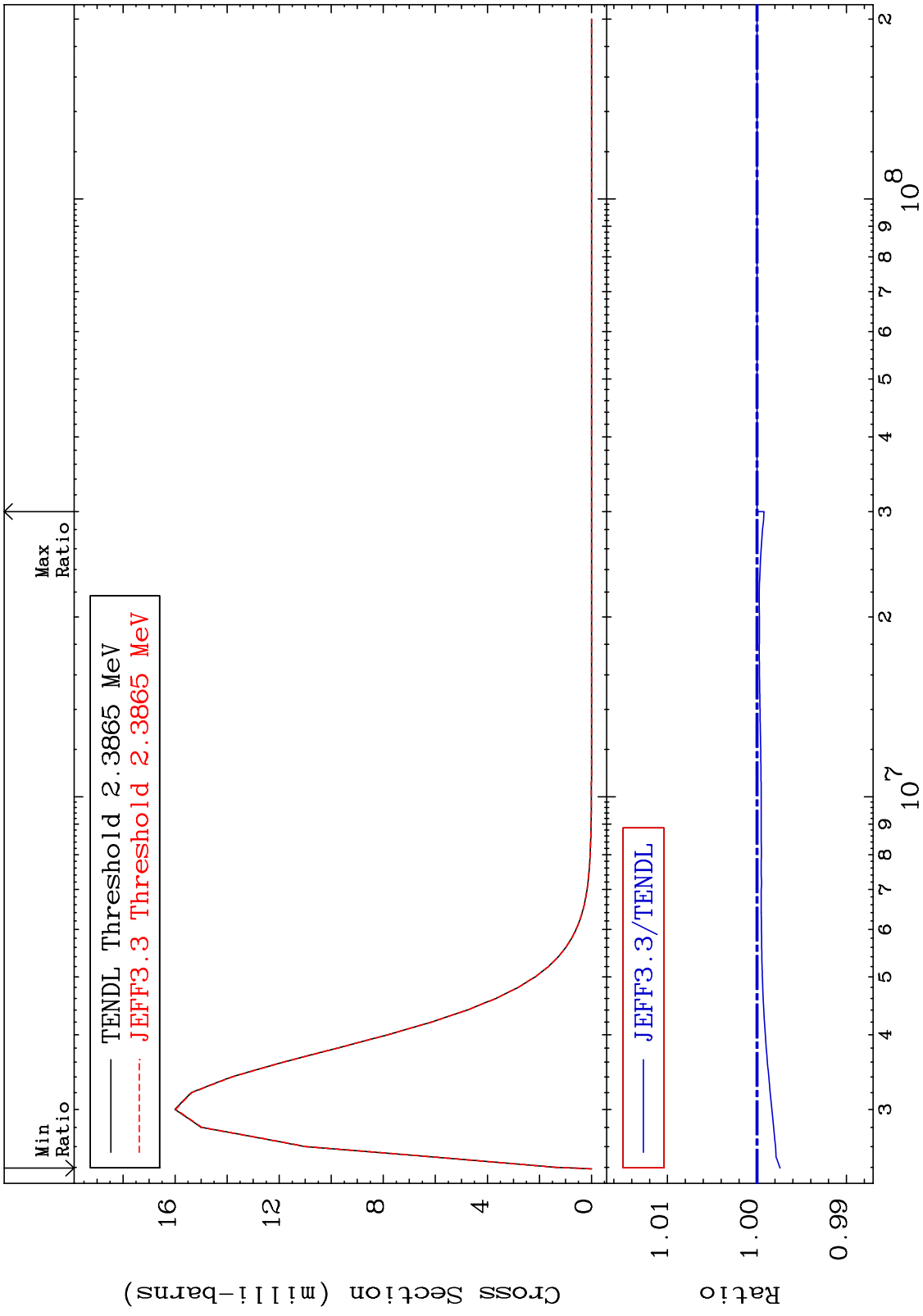
MAT 5425 MT= 75 (n,n') Level Cross Section 54-Xe-124 -0.963 To 0.000 %



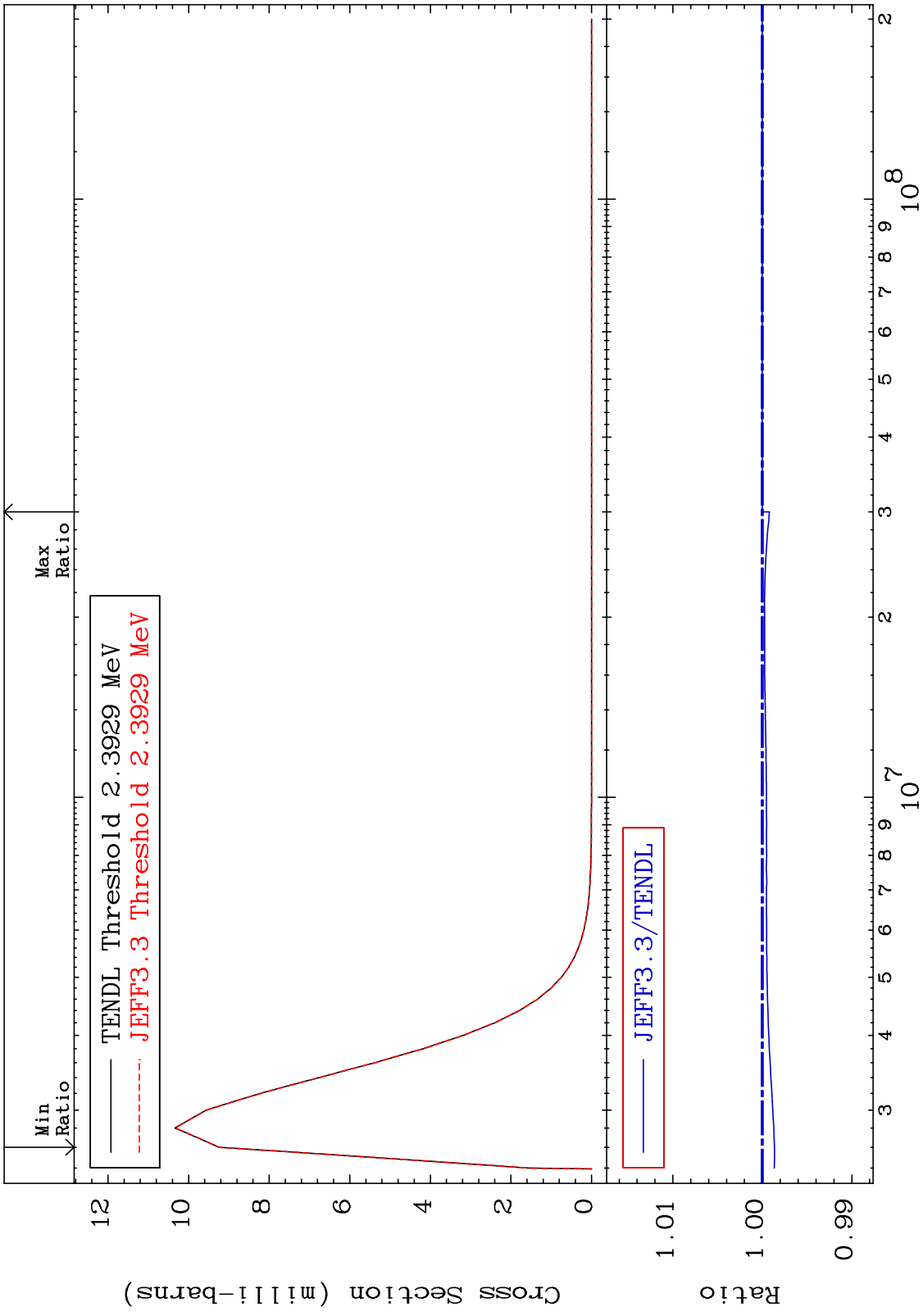
MAT 5425 MT= 76 (n,n') Level Cross Section 54-Xe-124 -0.277 To 0.000 %



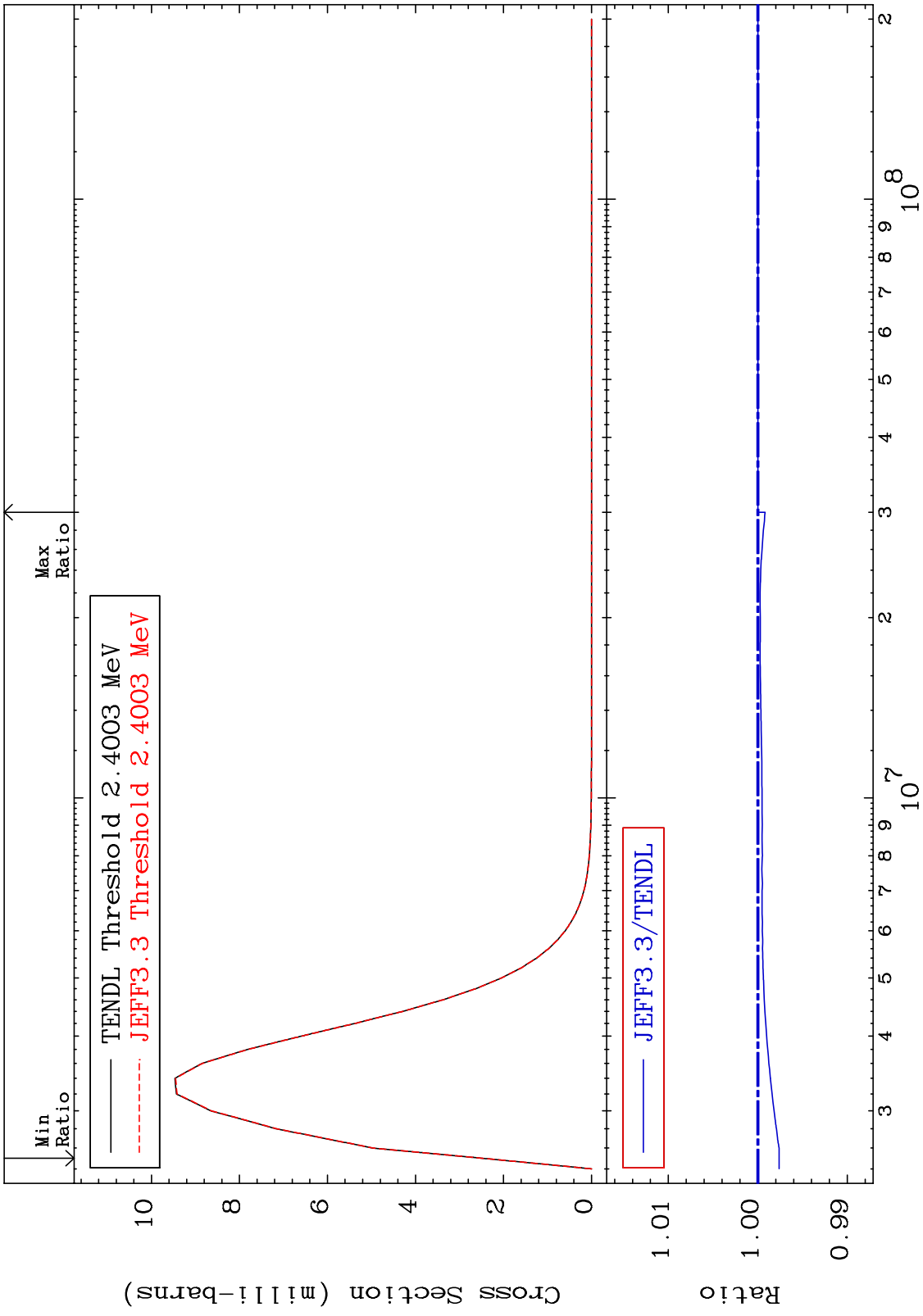
MAT 5425 MT= 77 (n, n') Level Cross Section 54-Xe-124 -0.256 To 0.000 %



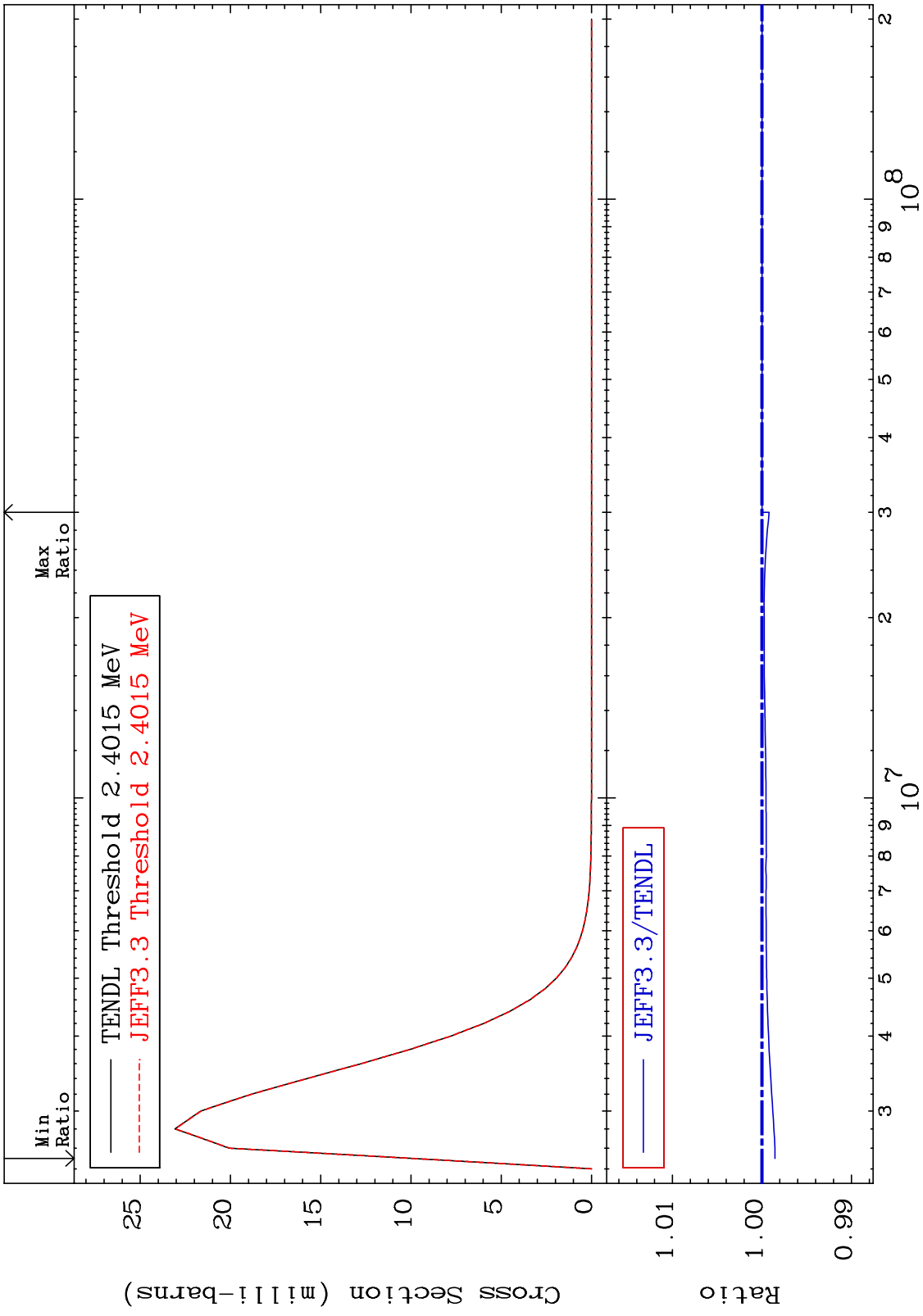
MAT 5425 MT= 78 (n,n') Level Cross Section 54-Xe-124
 -0.137 To 0.000 %



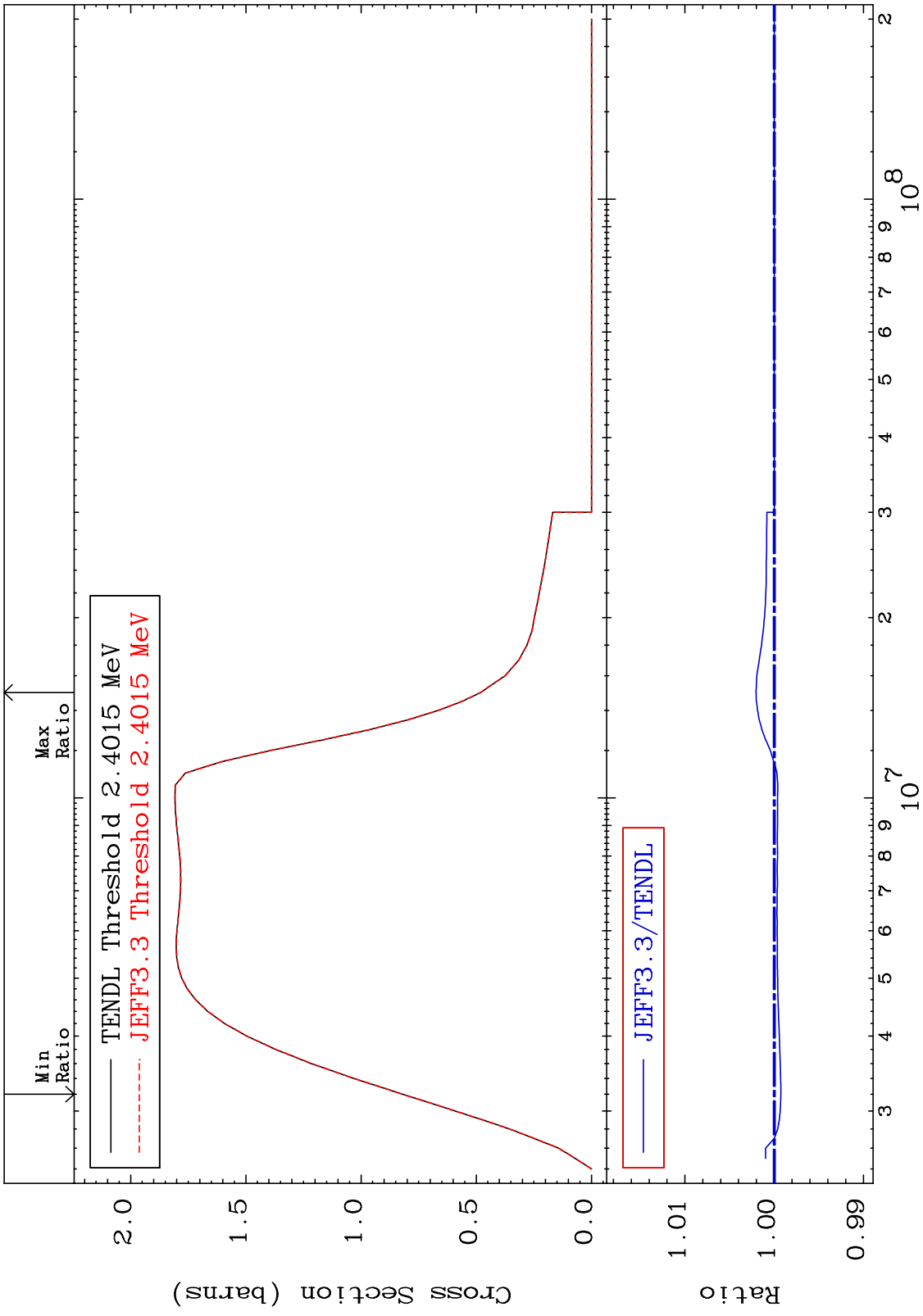
MAT 5425 MT= 79 (n,n') Level Cross Section 54-Xe-124 -0.237 To 0.000 %



MAT 5425 MT= 80 (n,n') Level Cross Section 54-Xe-124 -0.145 To 0.000 %



MAT 5425 (n,n') Continuum Cross Section 54-Xe-124 -0.074 To 0.204 %



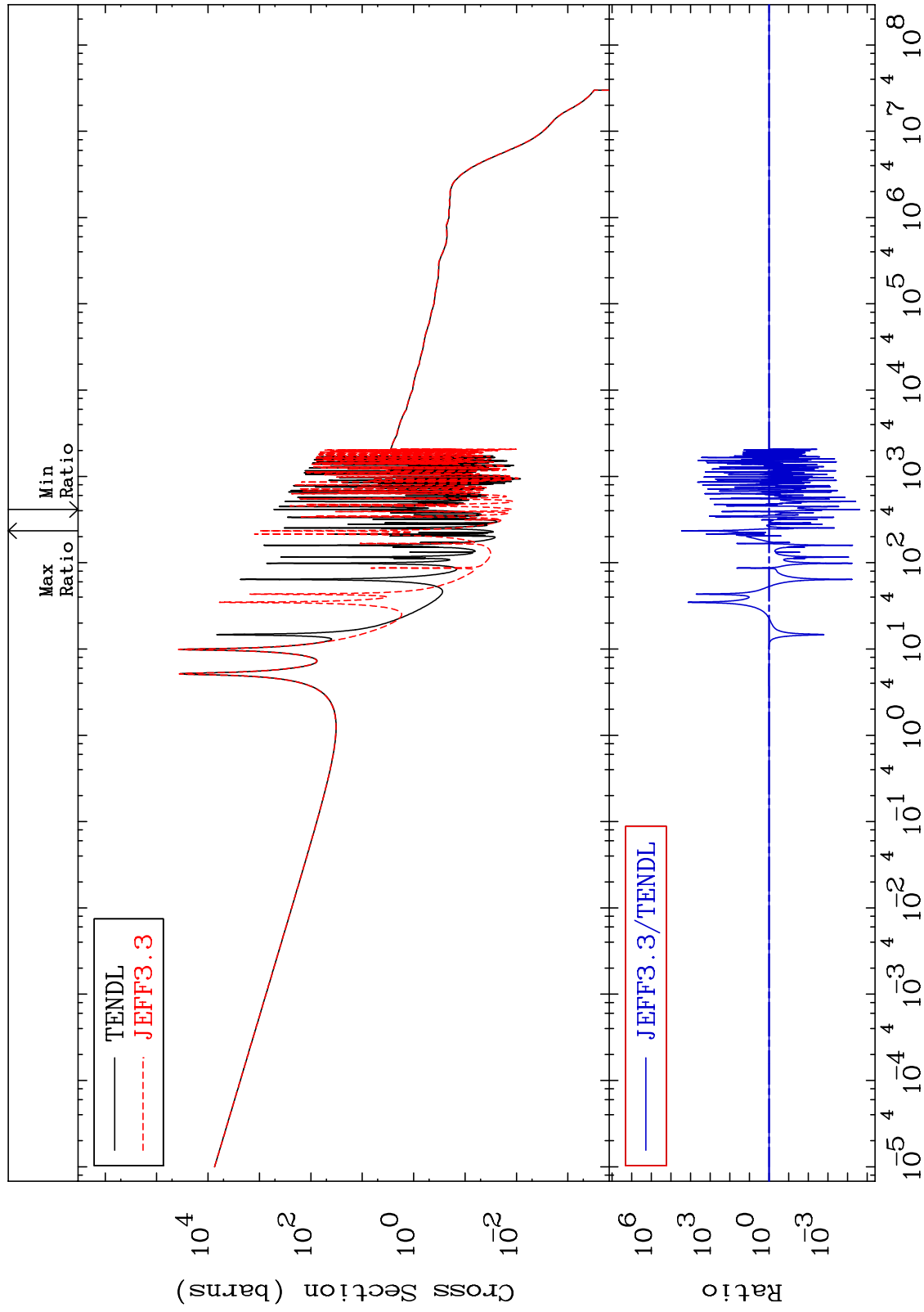
MAT 5425

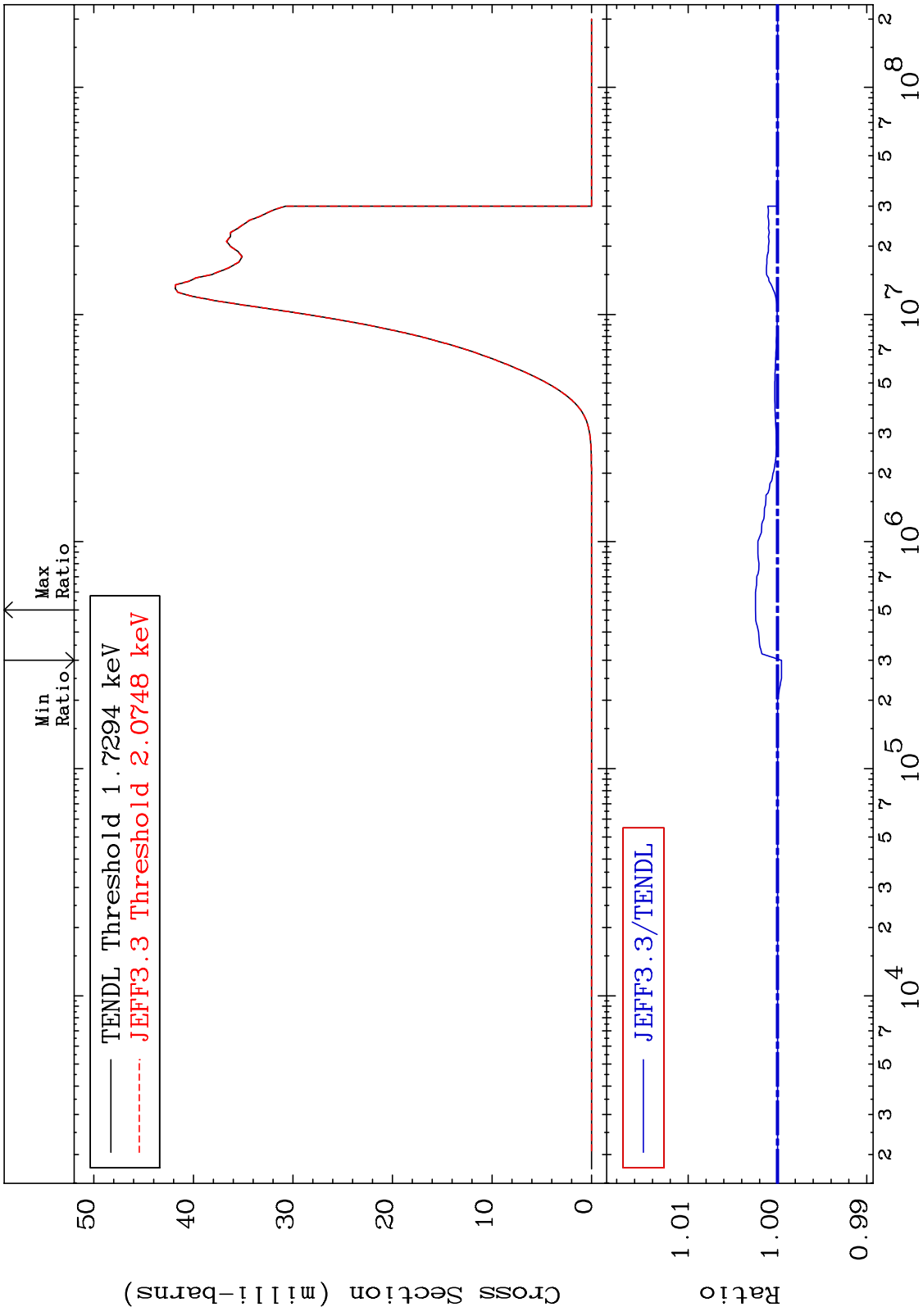
54-Xe-124

(n, γ)

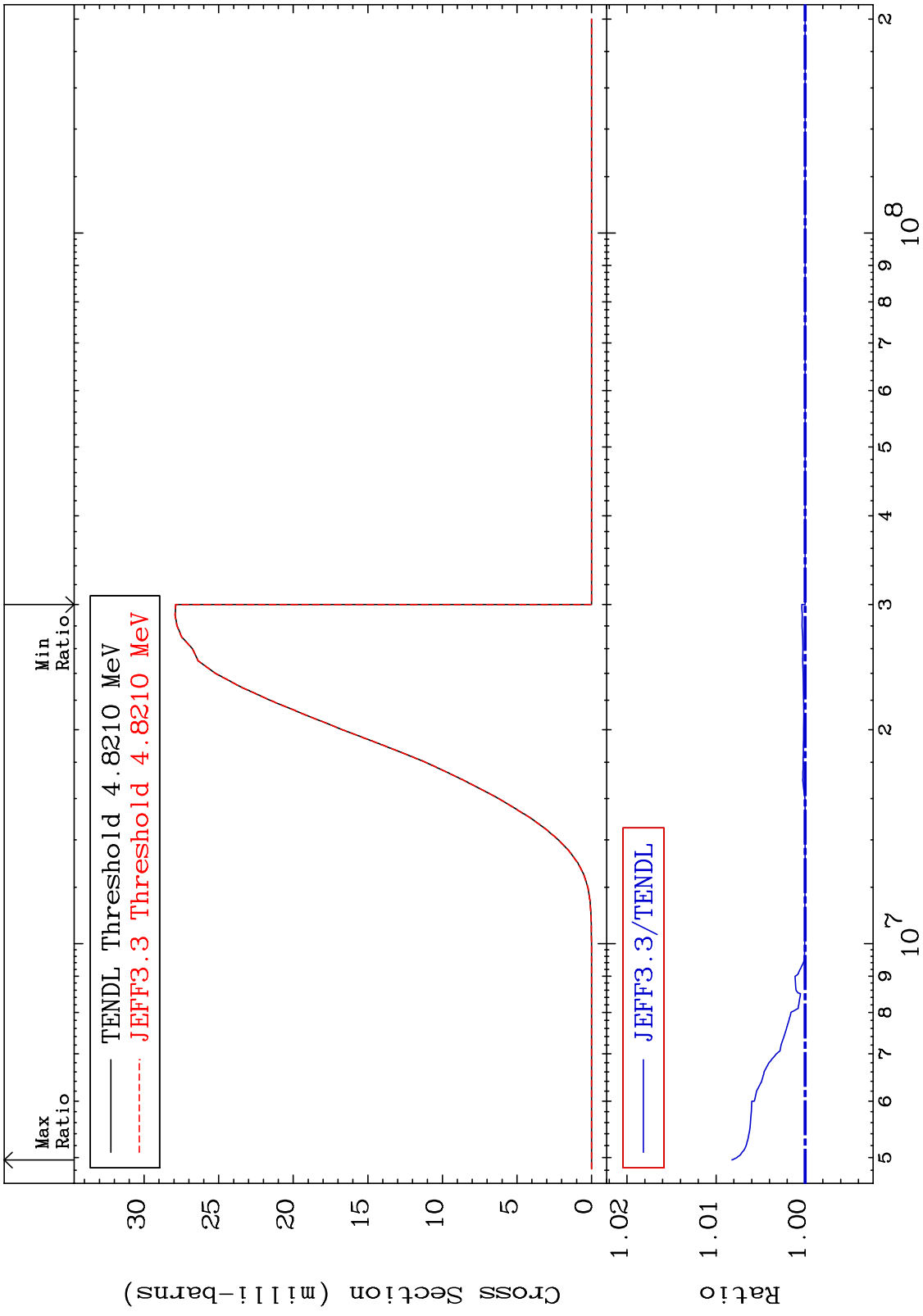
Cross Section

-100.0 To 9999. %

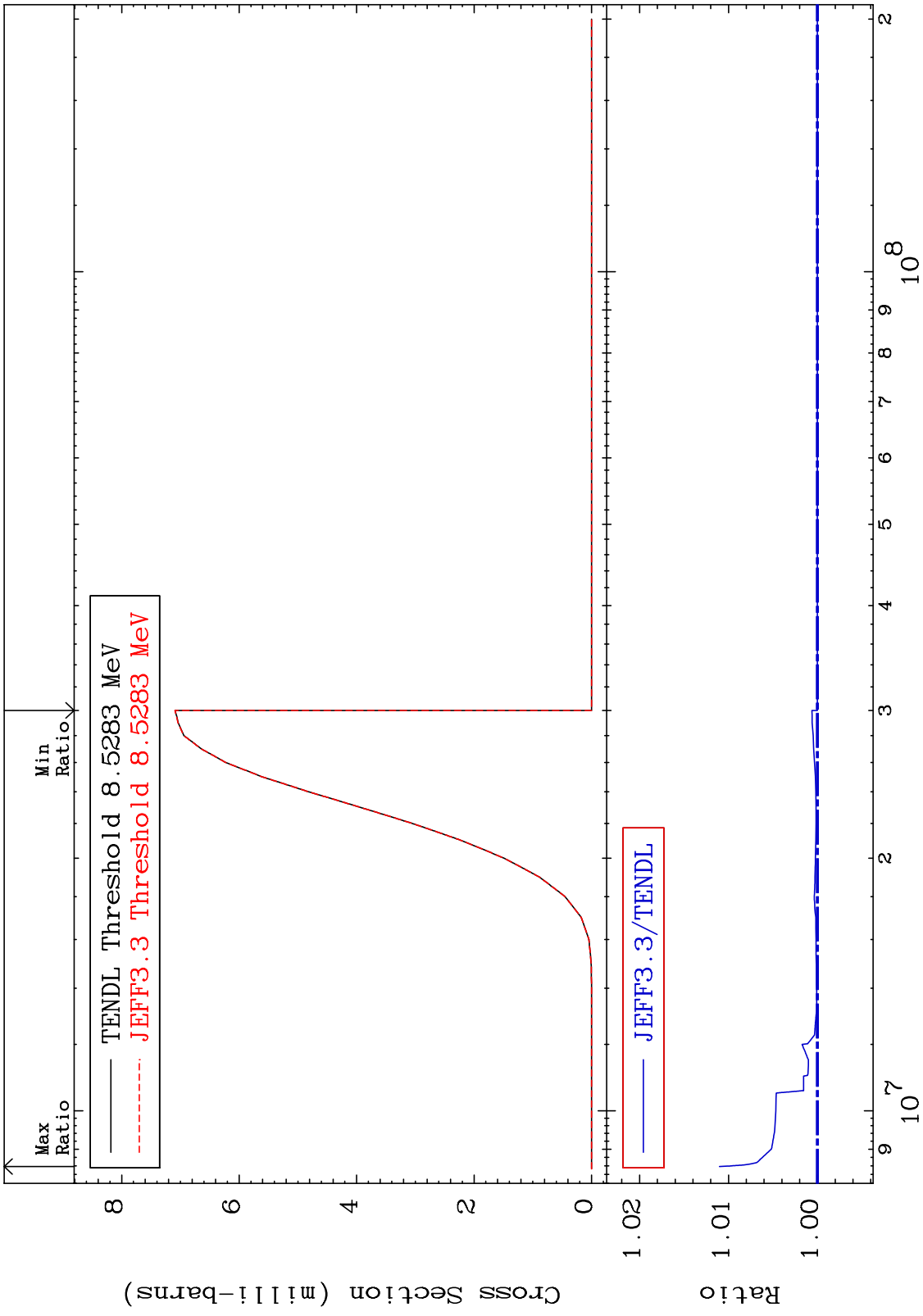




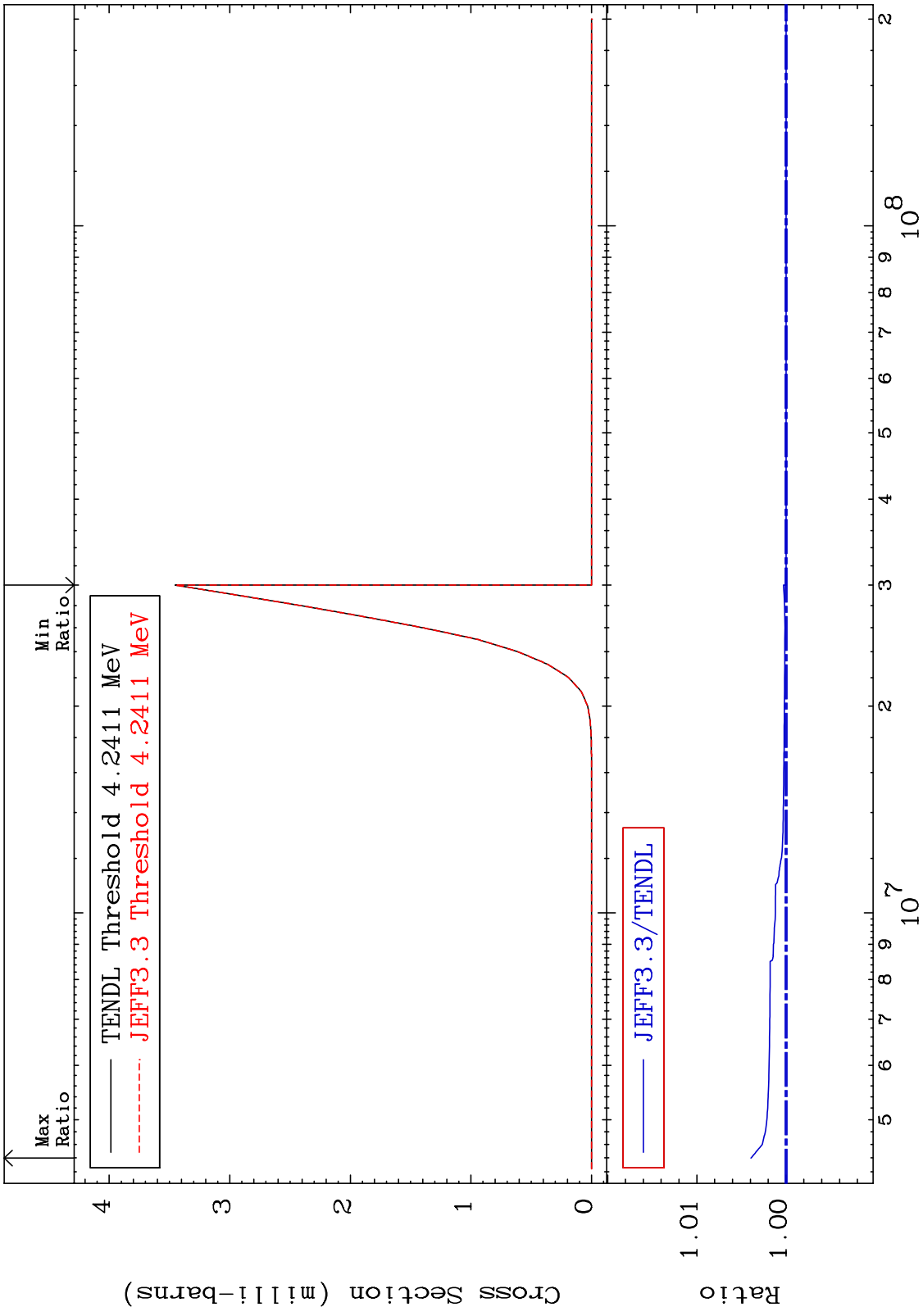
MAT 5425 (n,d) Cross Section 54-Xe-124 To 0.823 %



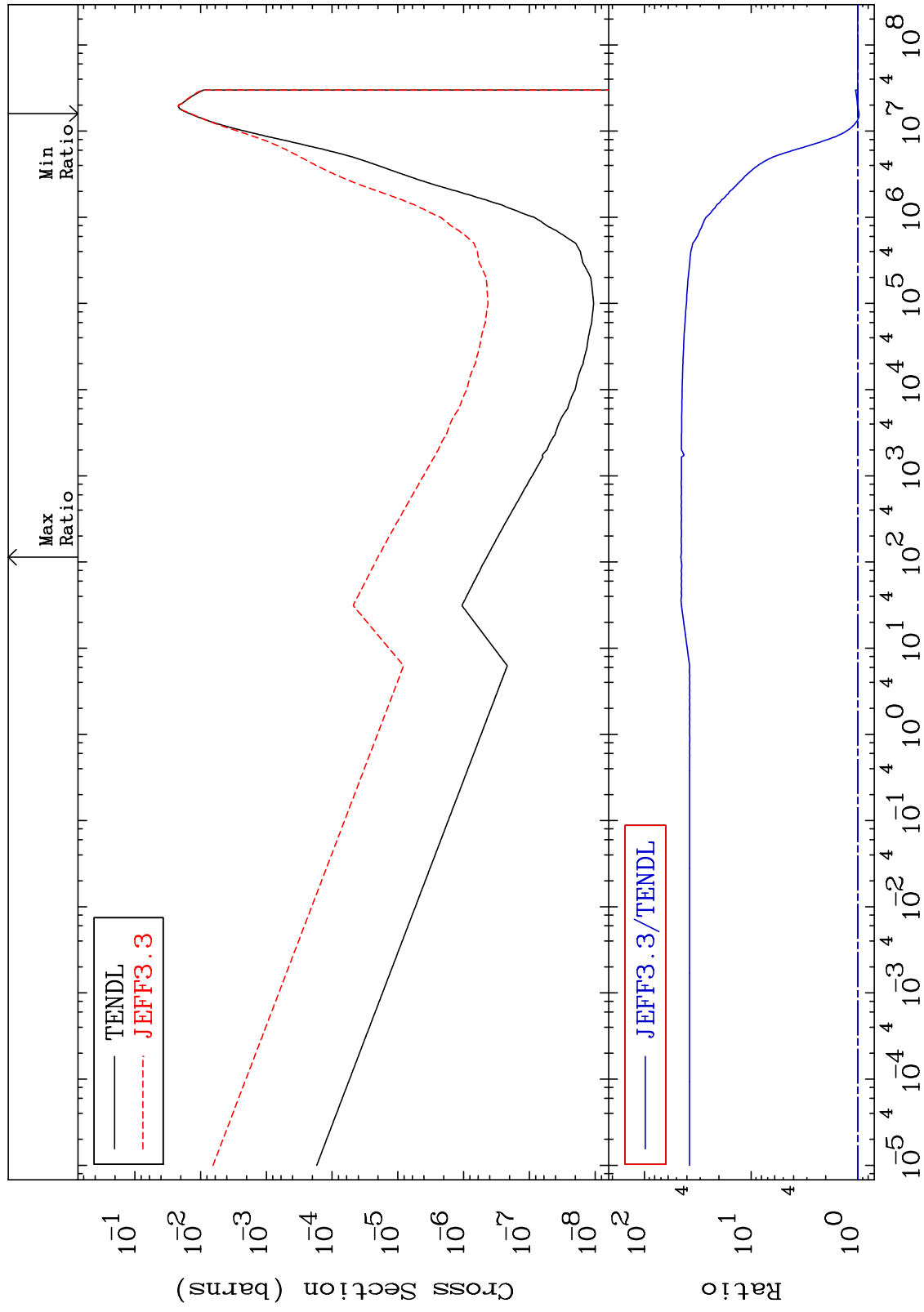
MAT 5425 (n,t) Cross Section 54-Xe-124 To 1.101 %



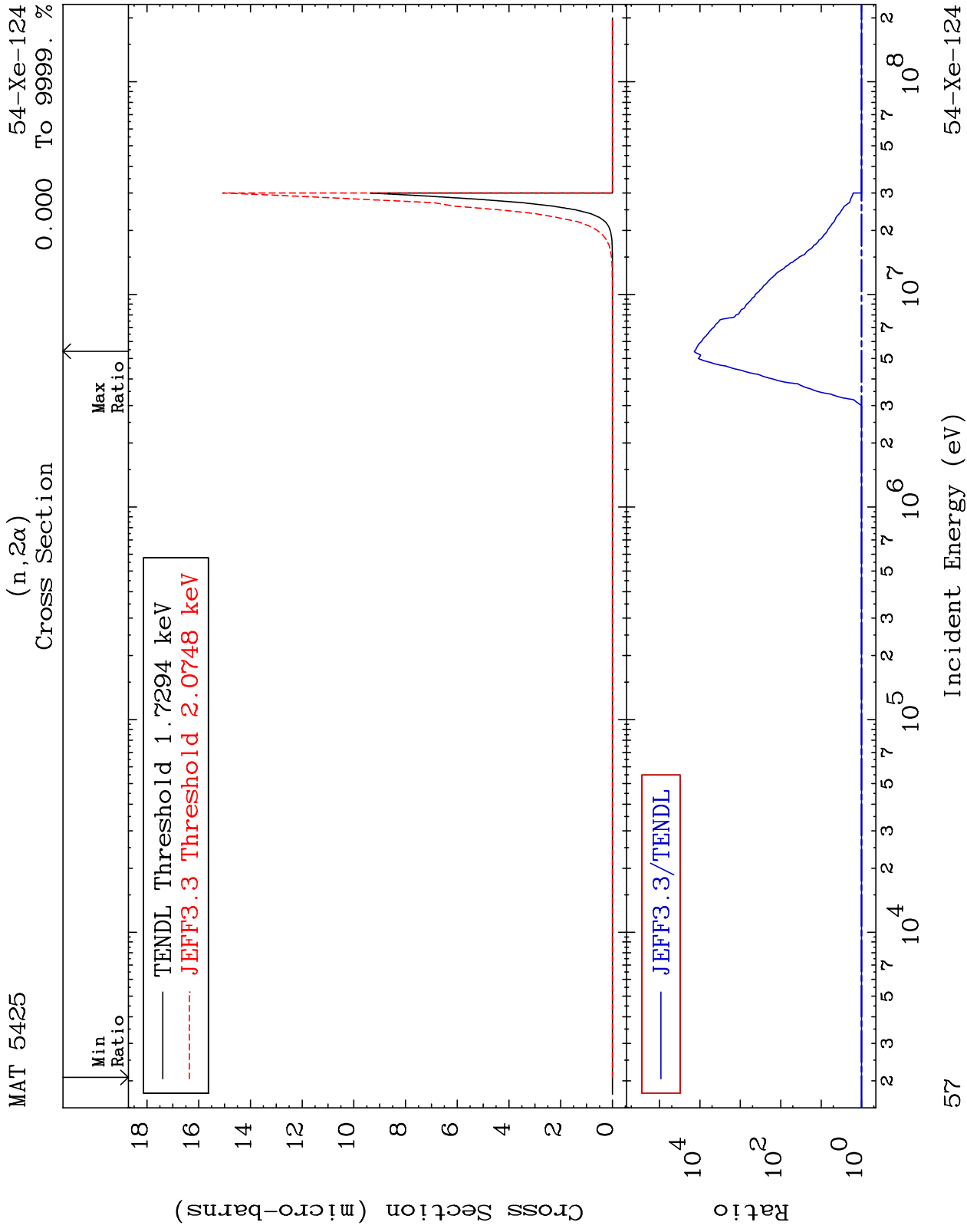
MAT 5425 (n, He-3) Cross Section 54-Xe-124 To 0.395 %



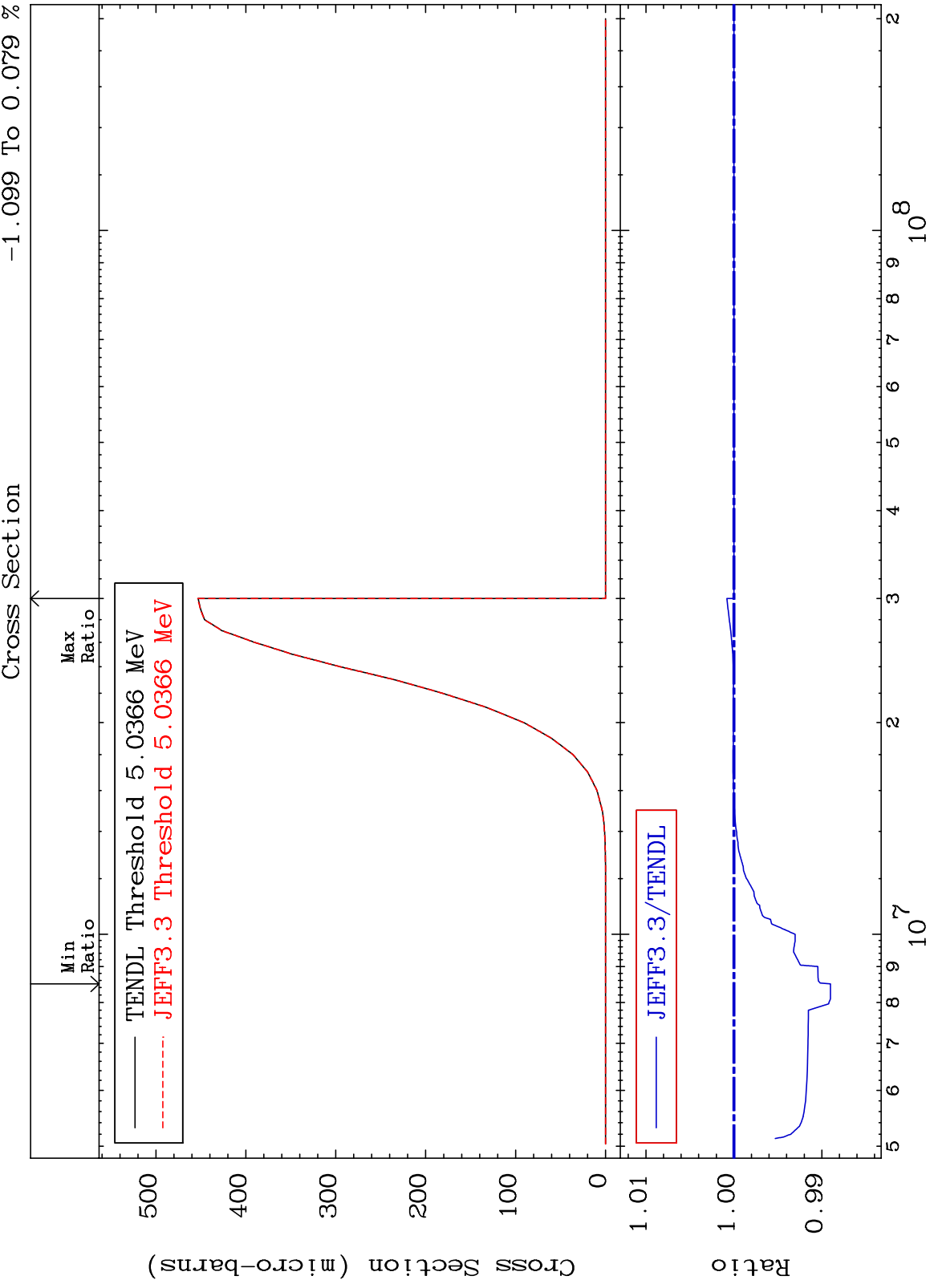
MAT 5425 (n, α) Cross Section 54-Xe-124 -2.679 To 4454. %



56 54-Xe-124



MAT 5425 (n,2p) 54-Xe-124 -1.099 To 0.079 %



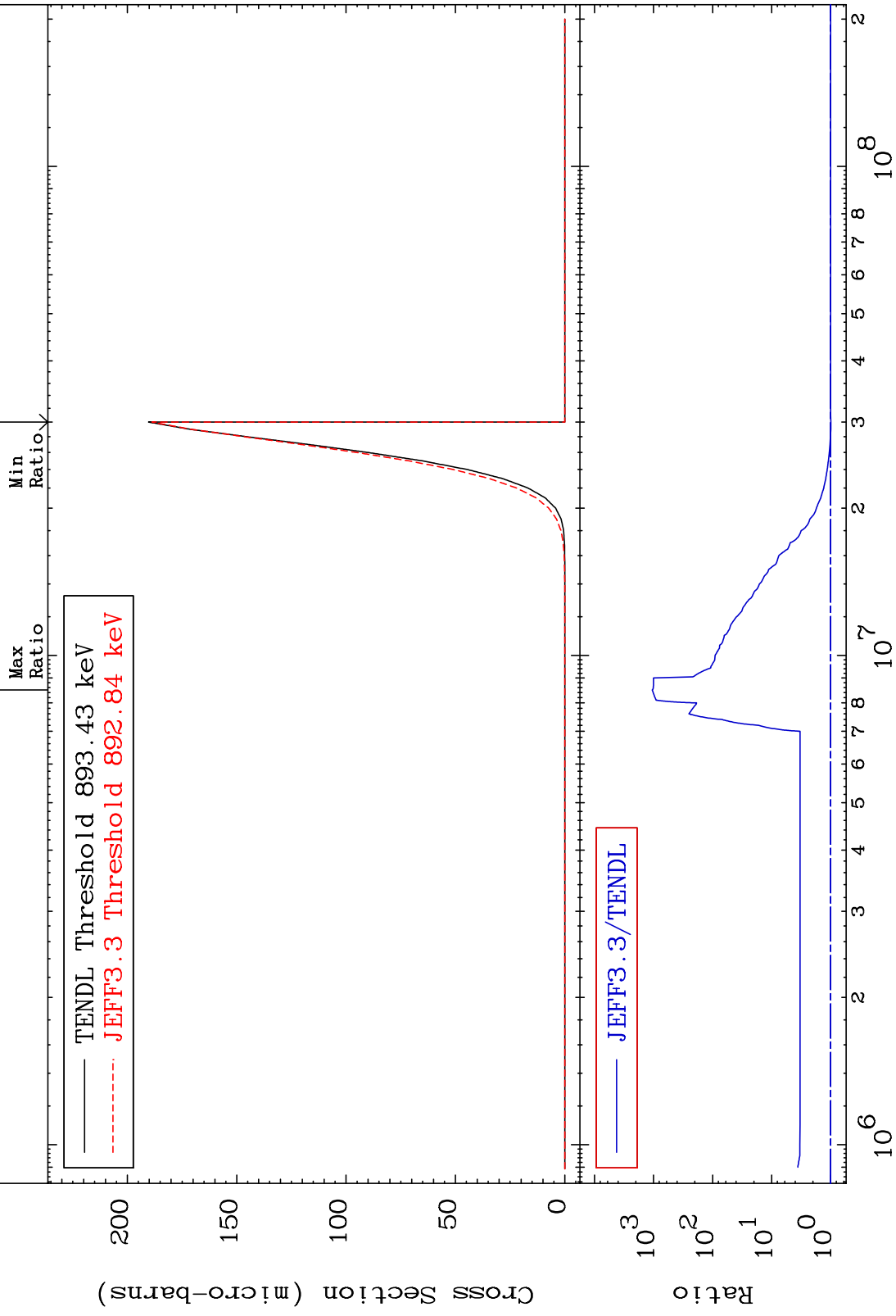
MAT 5425

(n,p) α

54-Xe-124

-0.811 To 9999. %

Cross Section

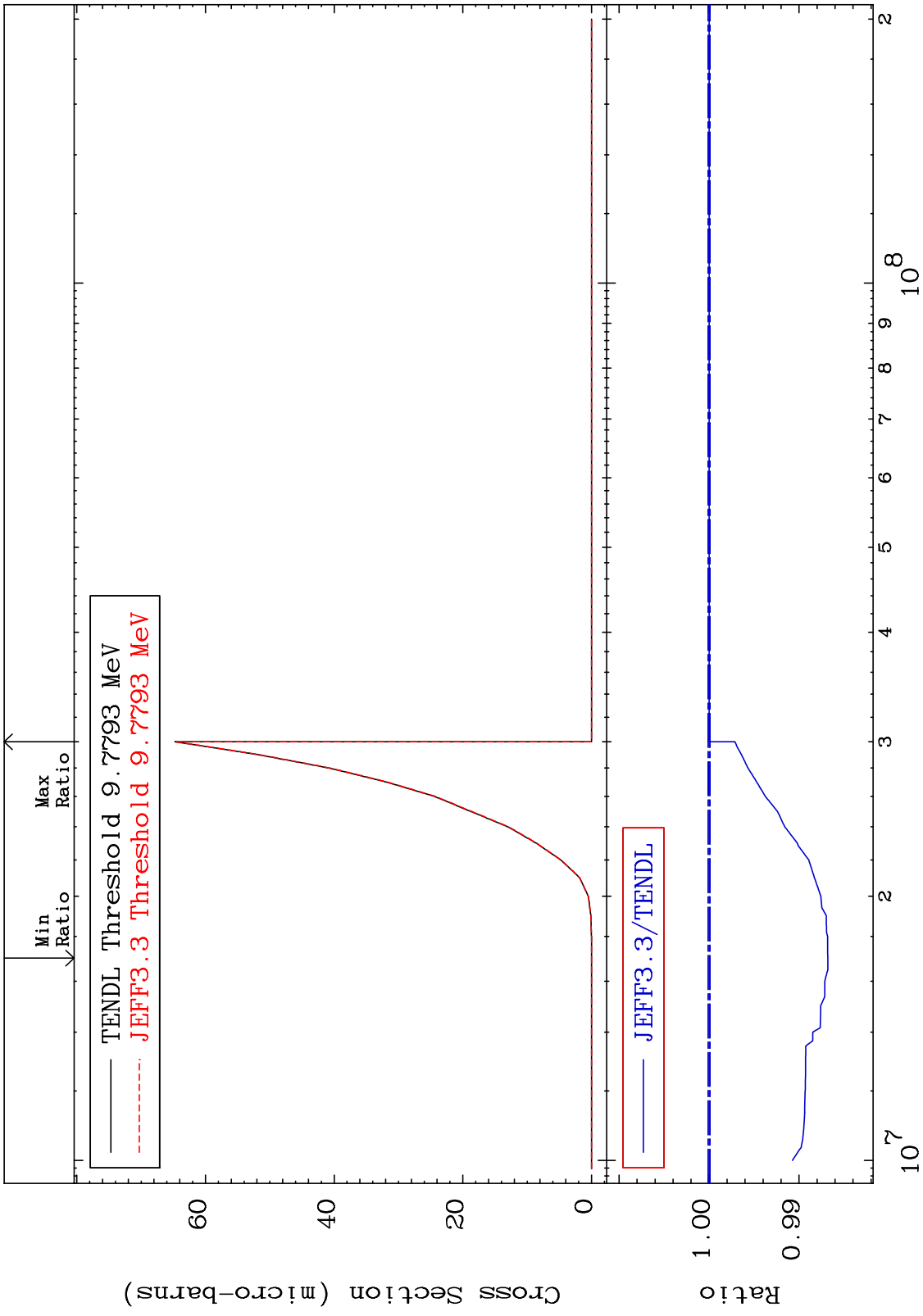


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Incident Energy (eV)

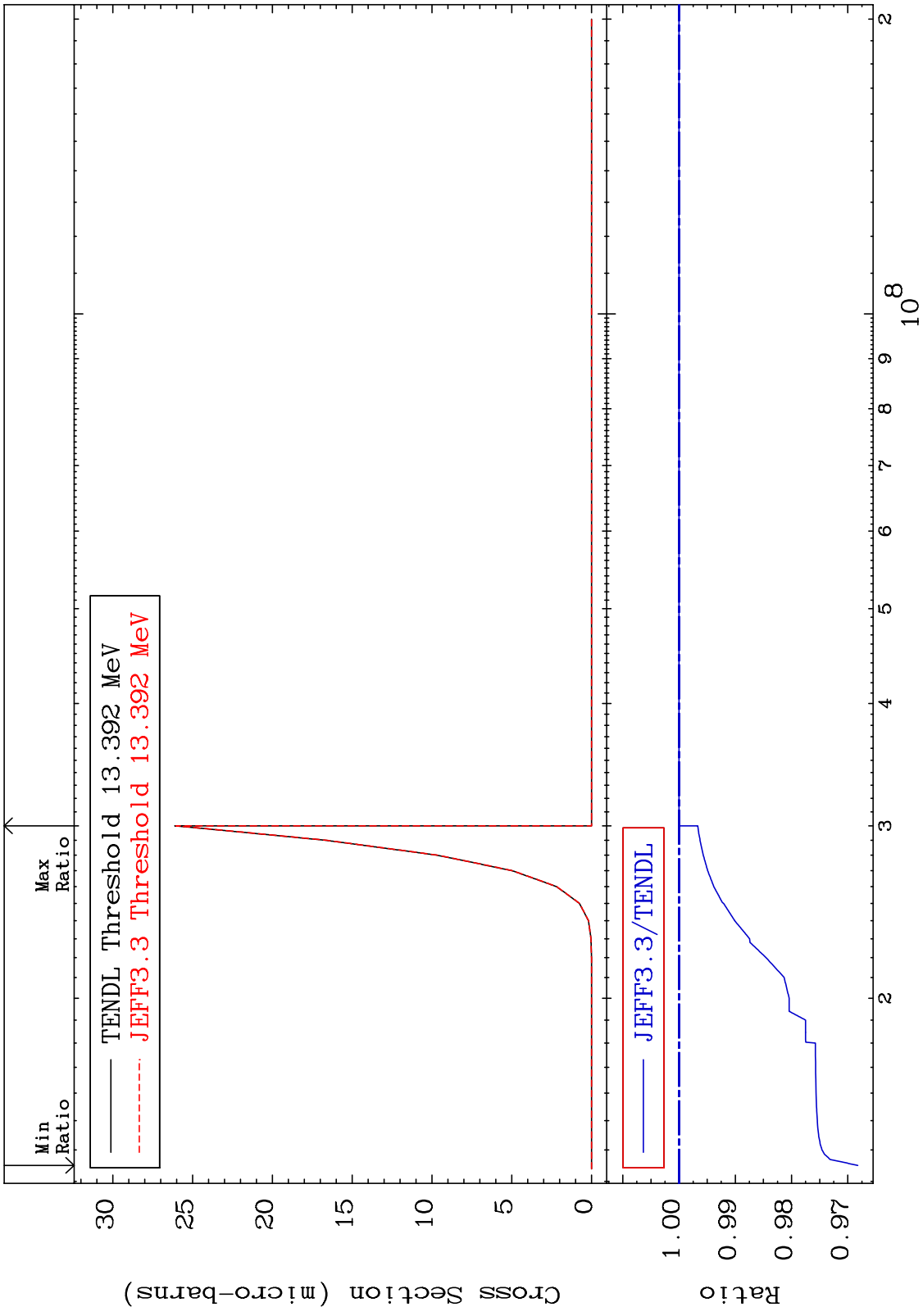
54-Xe-124

MAT 5425 (n,p) d 54-Xe-124
Cross Section -1.320 To 0.000 %

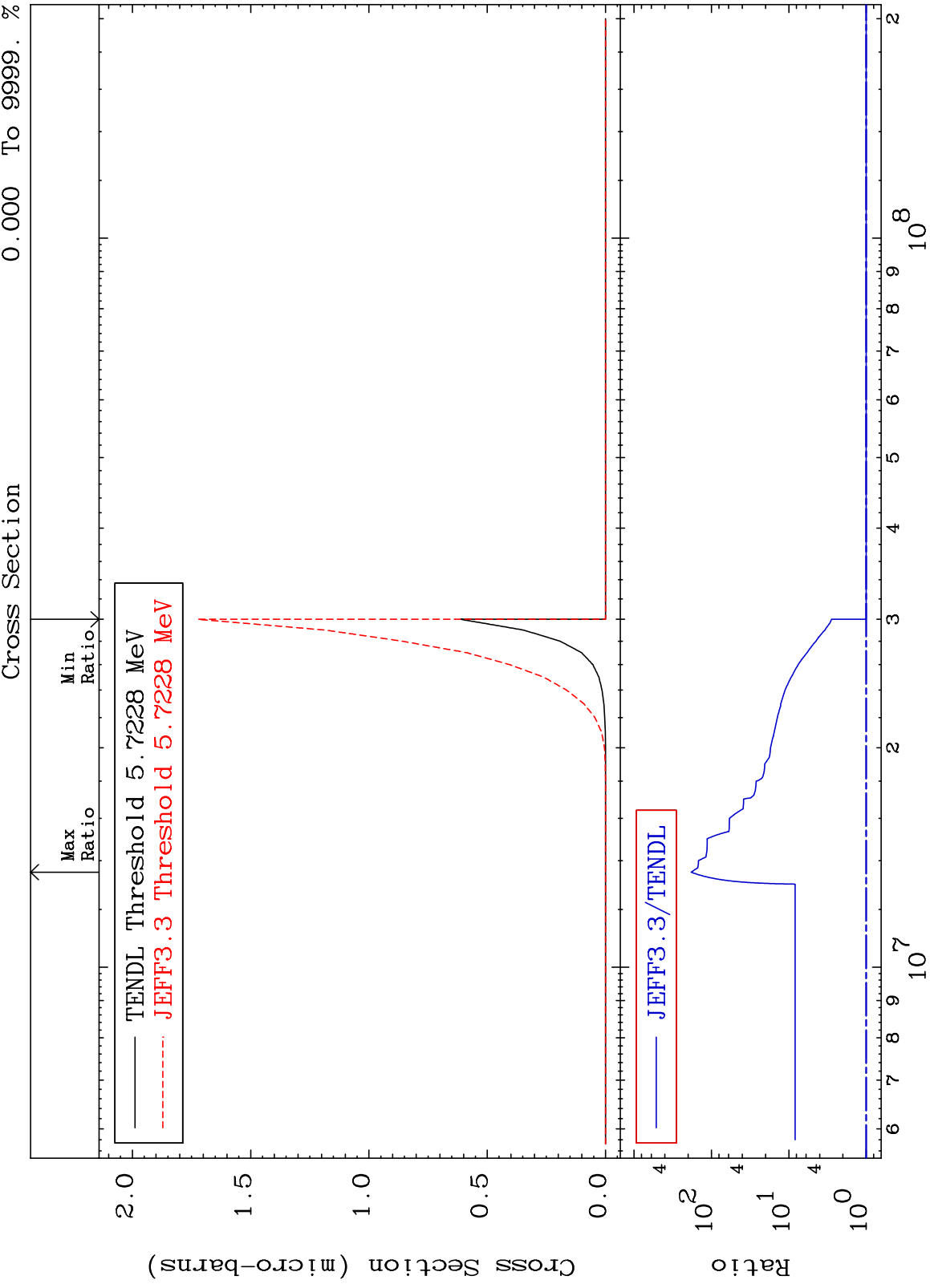


60 10⁷ 1.00 0.99 20 40 60 7 8 9 10⁸ 54-Xe-124

MAT 5425 (n,p) t 54-Xe-124
 Cross Section -3.178 To 0.000 %



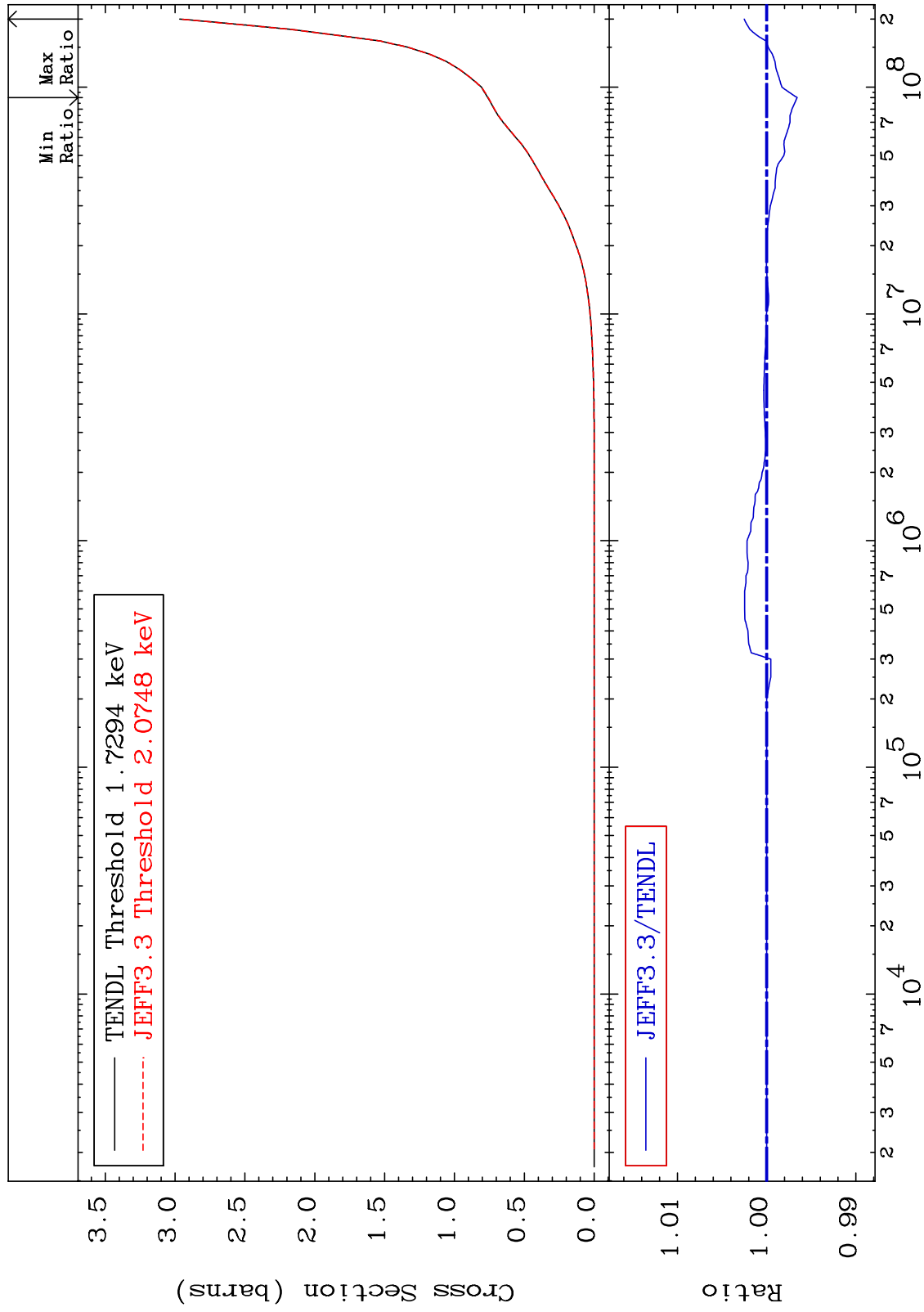
MAT 5425 (n,d) α 54-Xe-124 To 9999. %



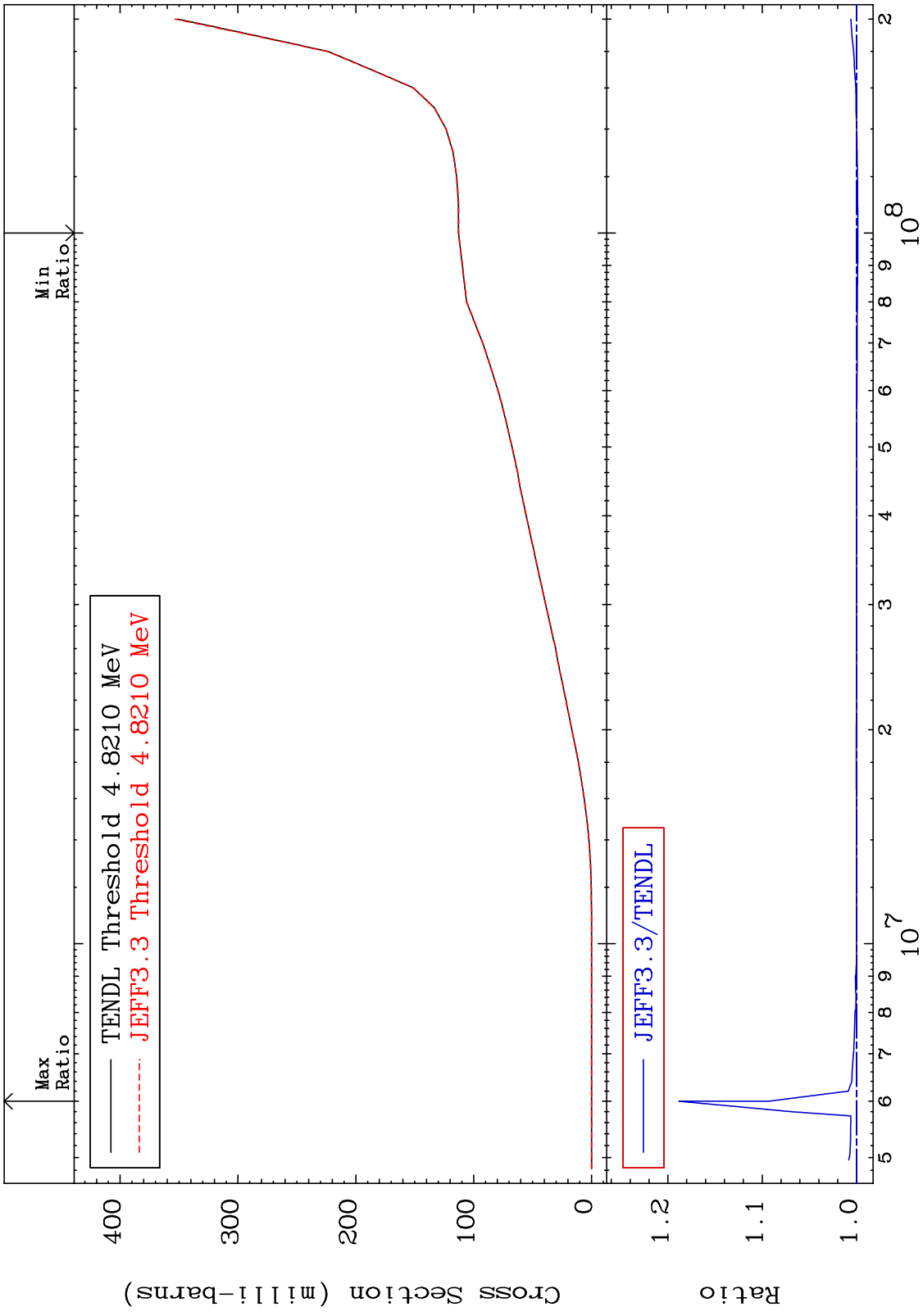
MAT 5425

Hydrogen Production
Cross Section

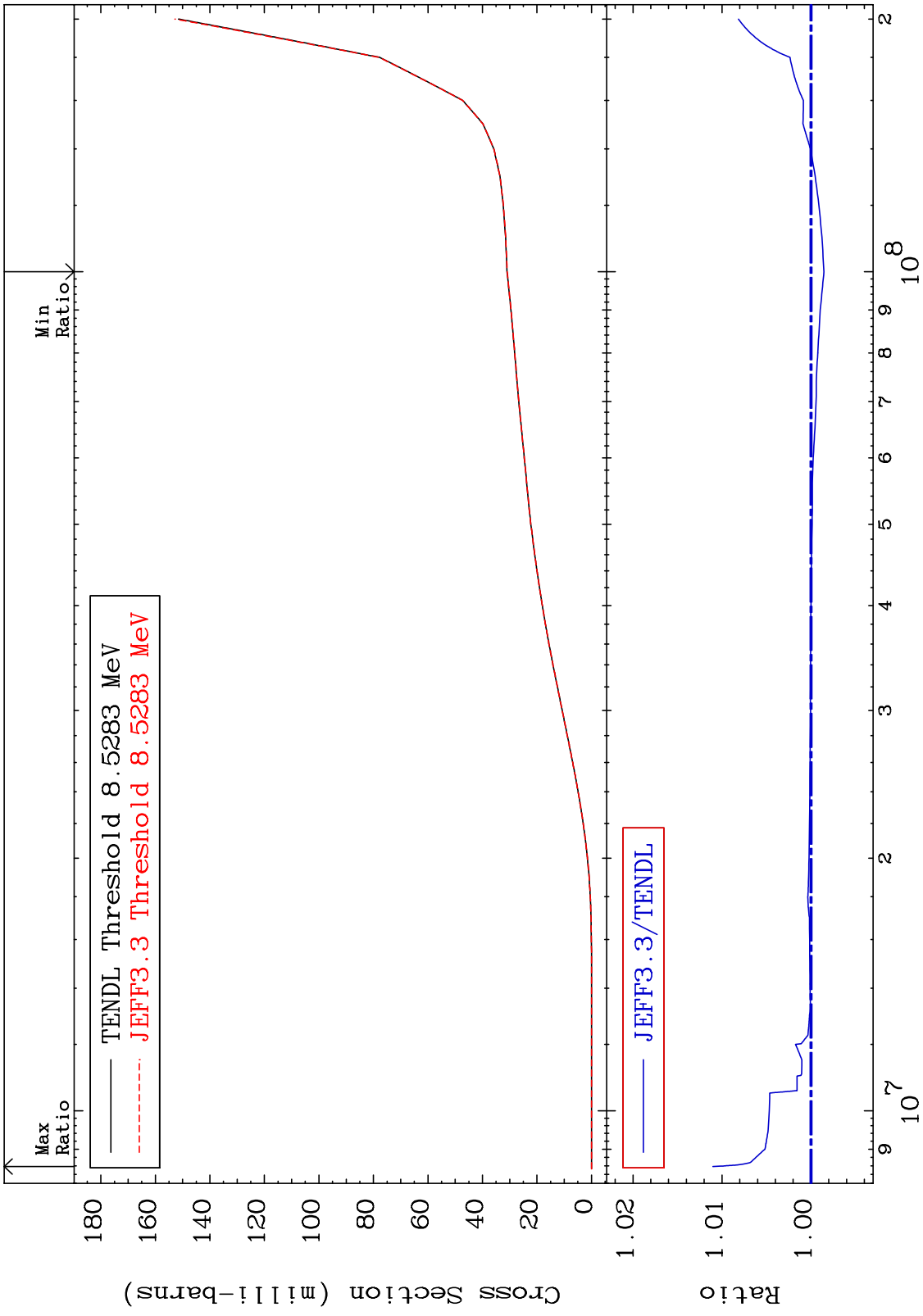
54-Xe-124
-0.341 To 0.252 %



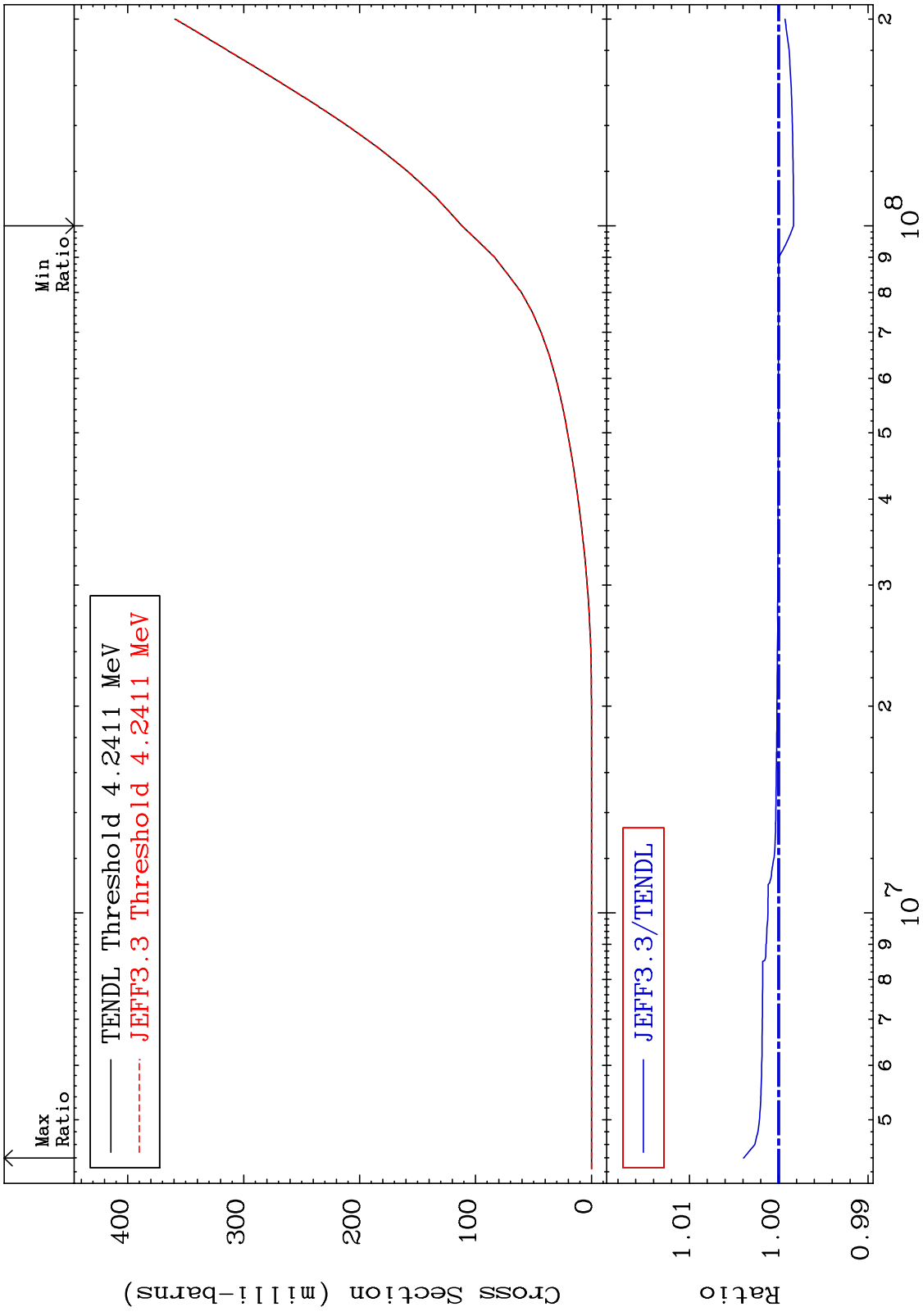
MAT 5425 Deuterium Production Cross Section 54-Xe-124
 -0.140 To 18.82 %



MAT 5425 Tritium Production Cross Section 54-Xe-124 -0.146 To 1.101 %



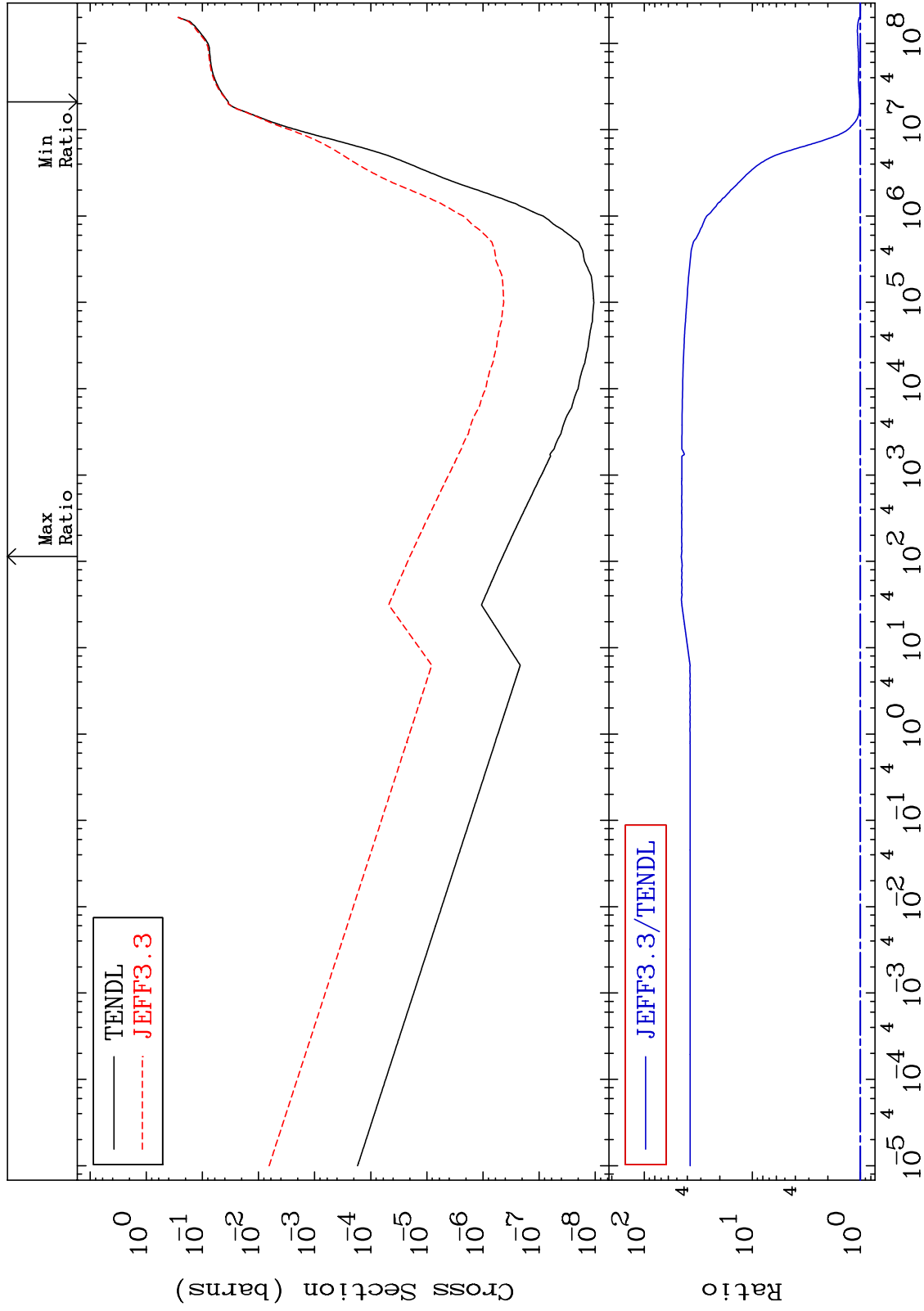
MAT 5425 He-3 Production Cross Section 54-Xe-124
 -0.166 To 0.395 %



MAT 5425

He-4 Production
Cross Section

54-Xe-124
1.311 To 4454. %

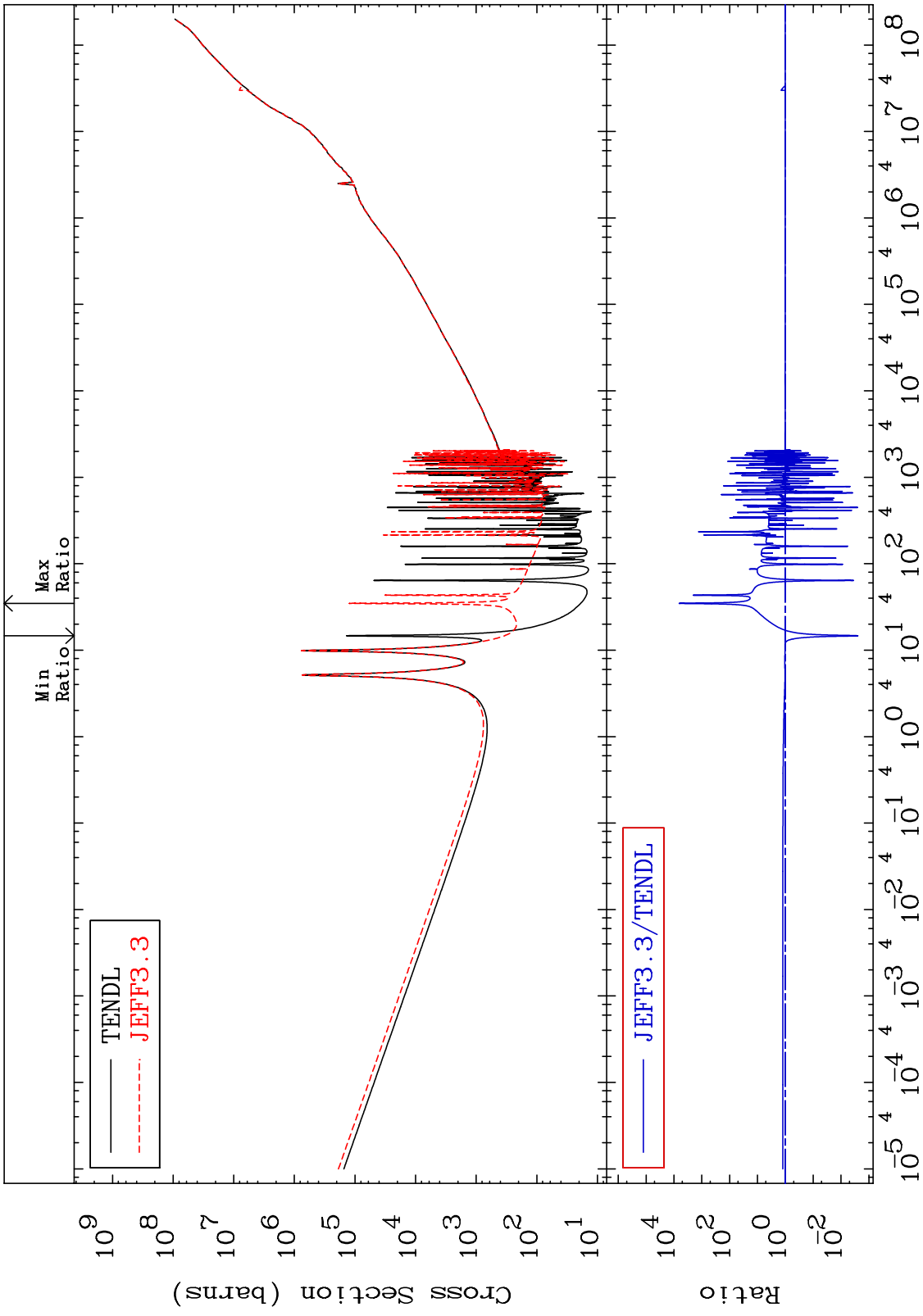


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Incident Energy (eV)

54-Xe-124

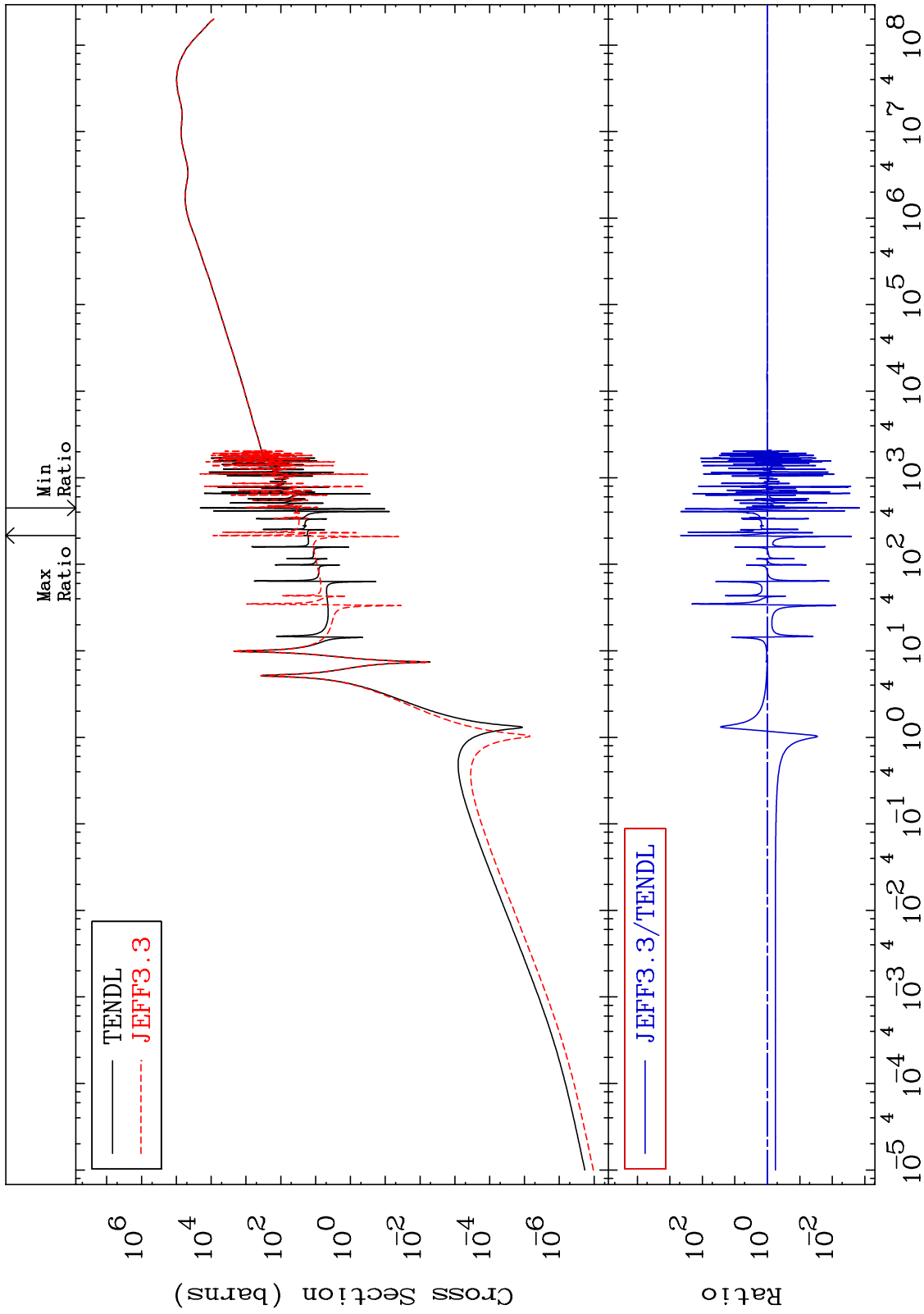
MAT 5425 Kerma total (eV-barns) 54-Xe-124
 Cross Section -99.75 To 9999. %



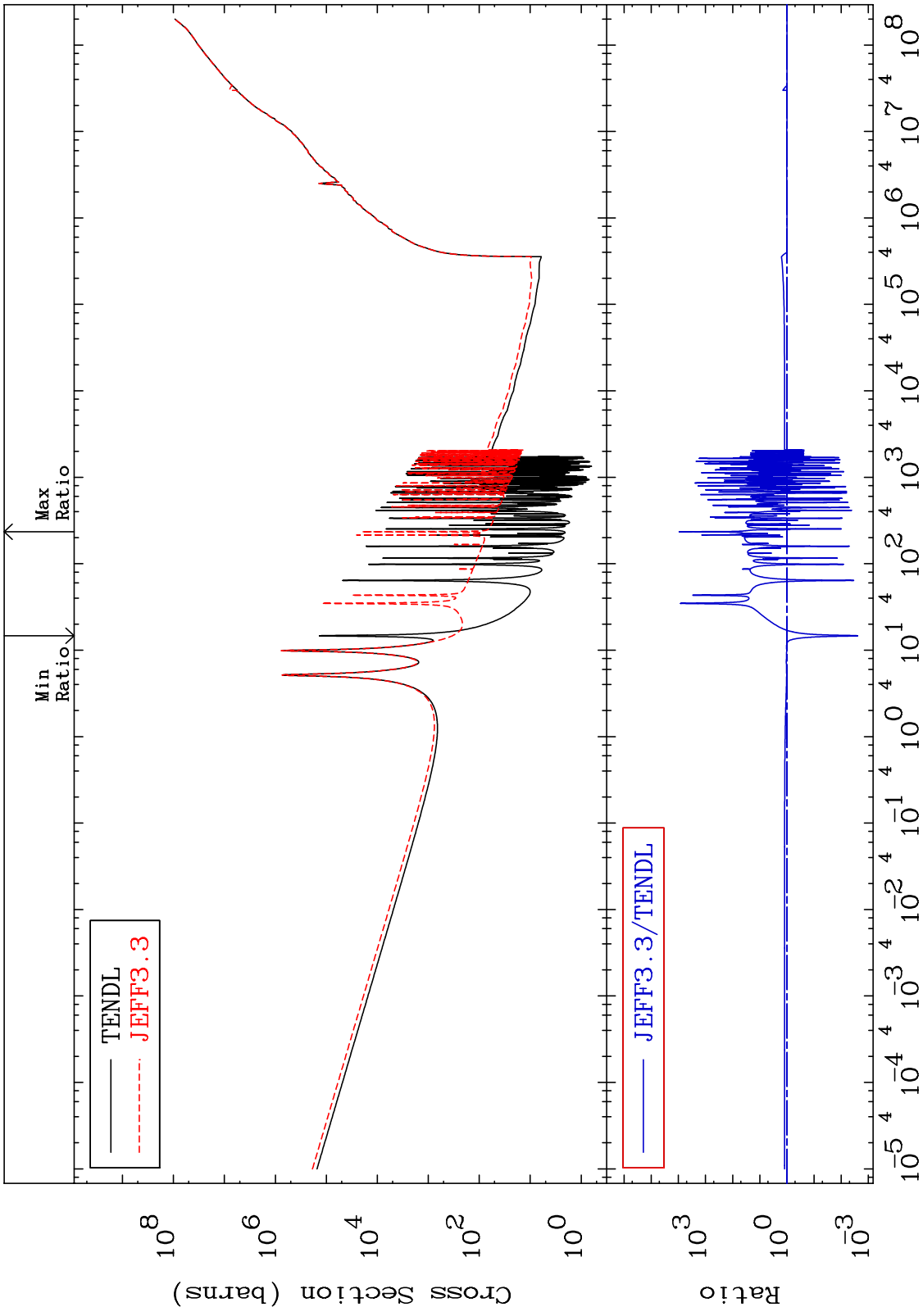
MAT 5425

Kerma elastic
Cross Section

54-Xe-124
-99.86 To 9999. %



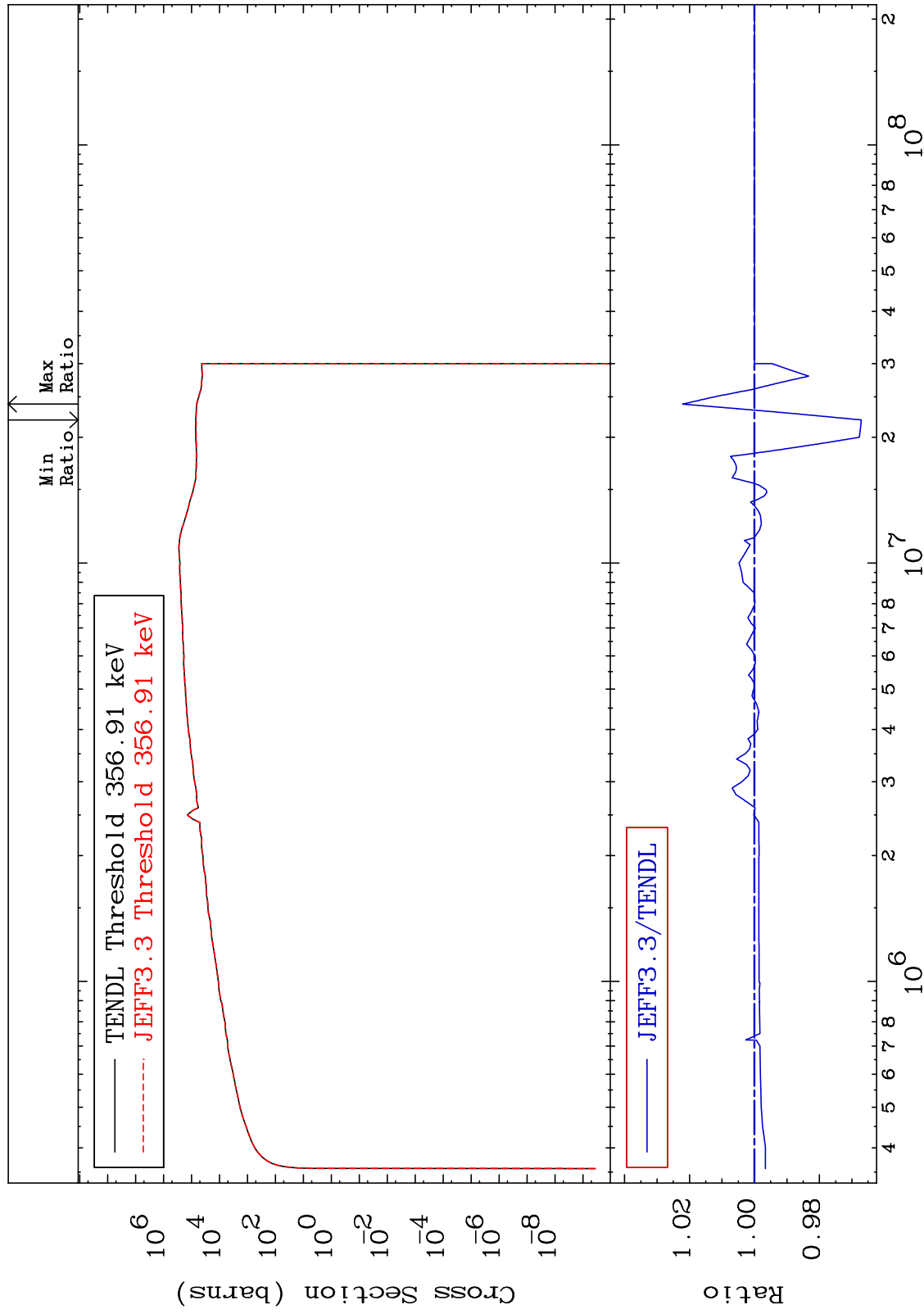
MAT 5425 Kerma non-elastic (all but mt2) 54-Xe-124
 Cross Section -99.76 To 9999. %



MAT 5425

Kerma inelastic (mt51-91)
Cross Section

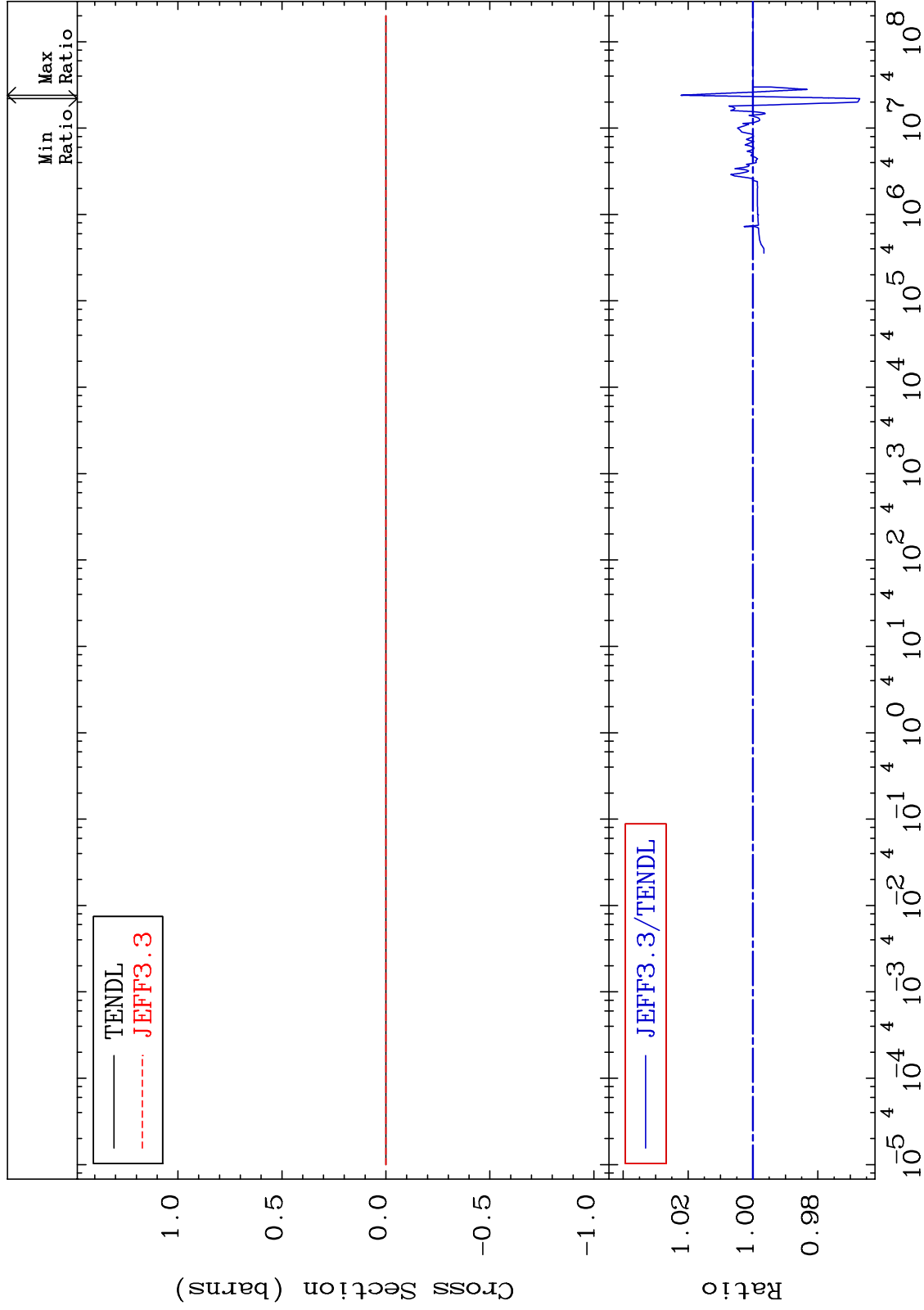
54-Xe-124
-3.292 To 2.211 %



MAT 5425

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

54-Xe-124
-3.292 To 2.211 %



72

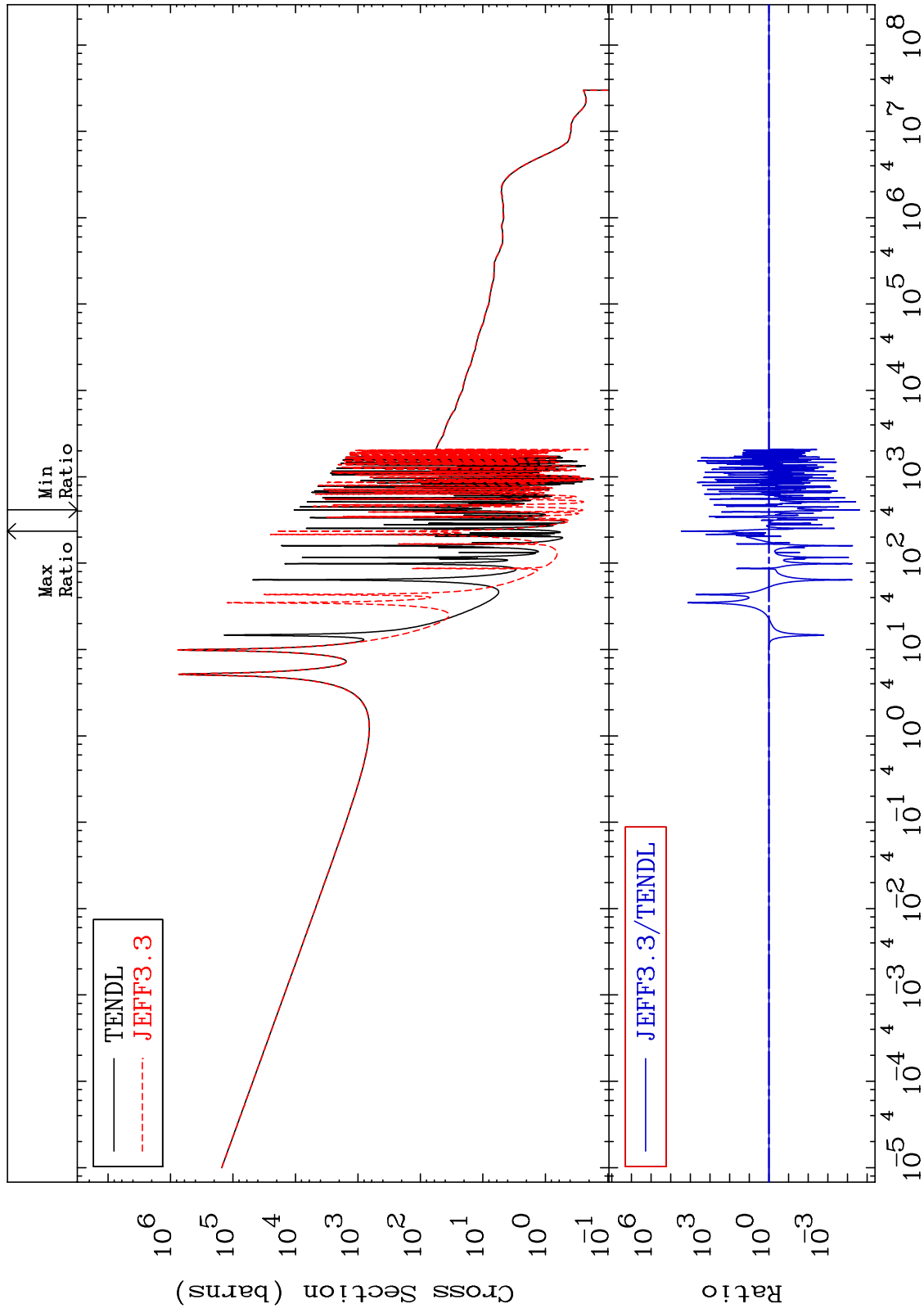
Incident Energy (eV)

54-Xe-124

MAT 5425

Kerma capture (mt102)
Cross Section

54-Xe-124
-100.0 To 9999. %

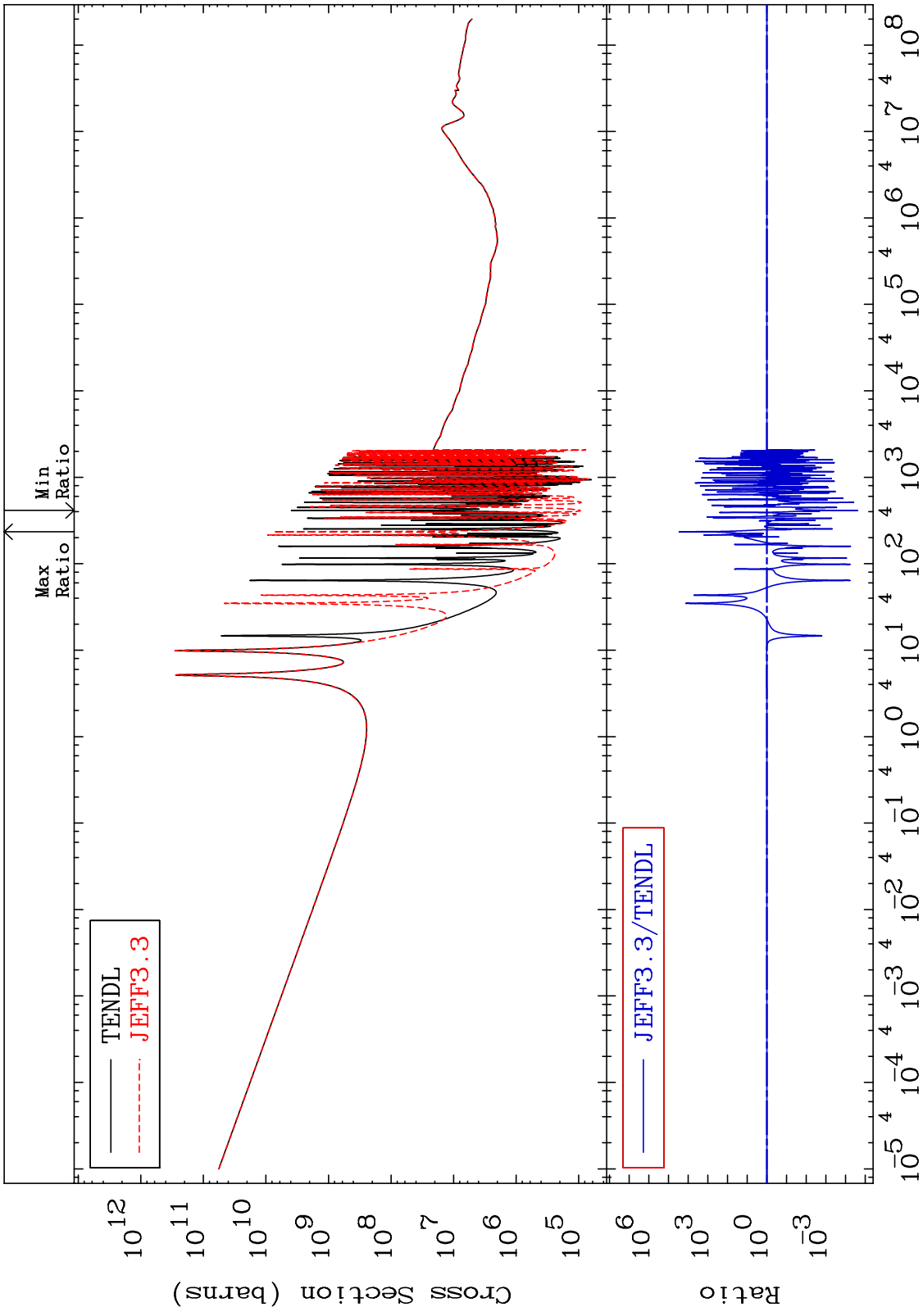


73

Incident Energy (eV)

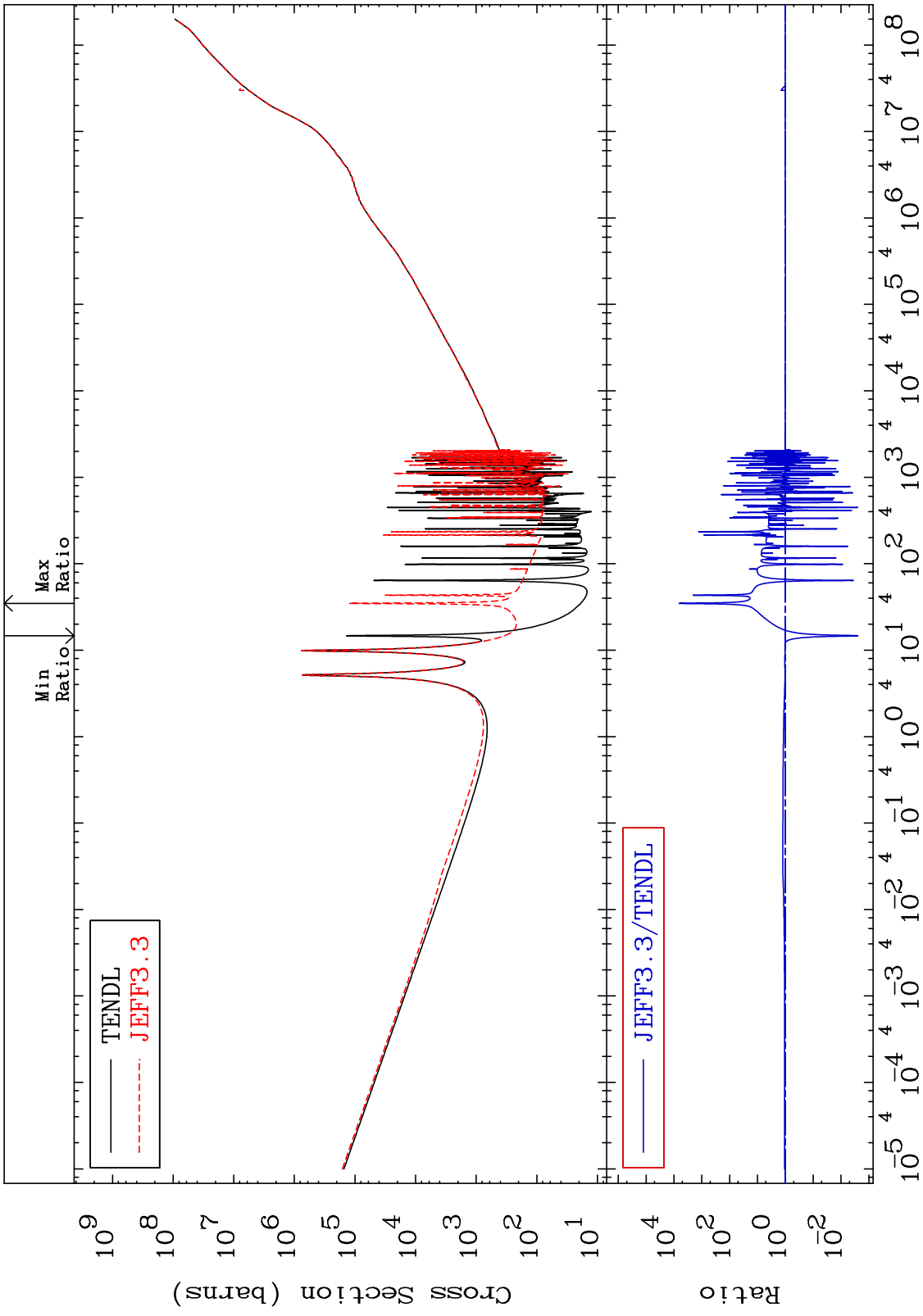
54-Xe-124

MAT 5425 54-Xe-124 -100.0 To 9999. %



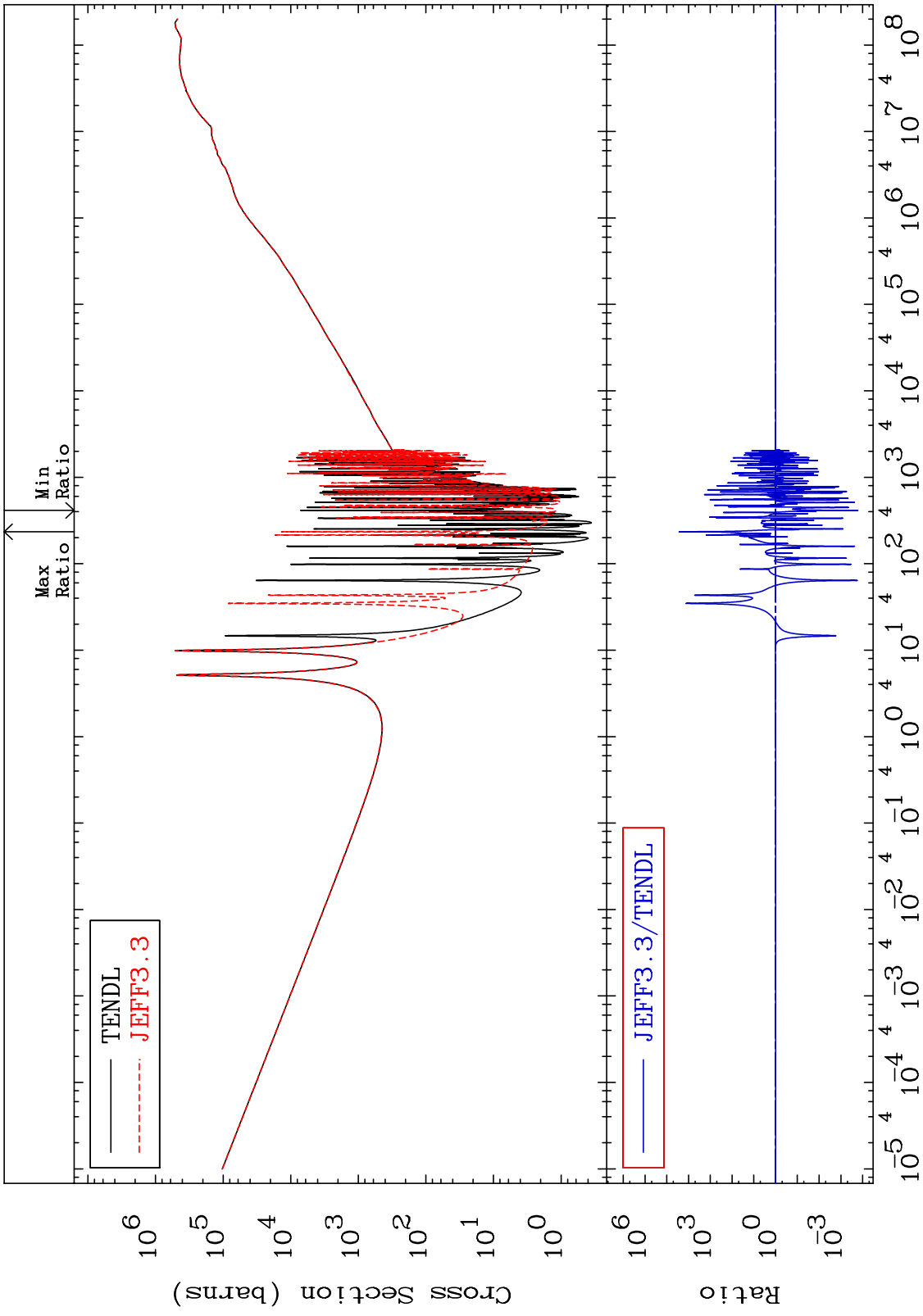
74 54-Xe-124

MAT 5425 Total kinematic kerma (high limit) 54-Xe-124
 -99.75 To 9999. %
 Cross Section



75 Incident Energy (eV) 54-Xe-124

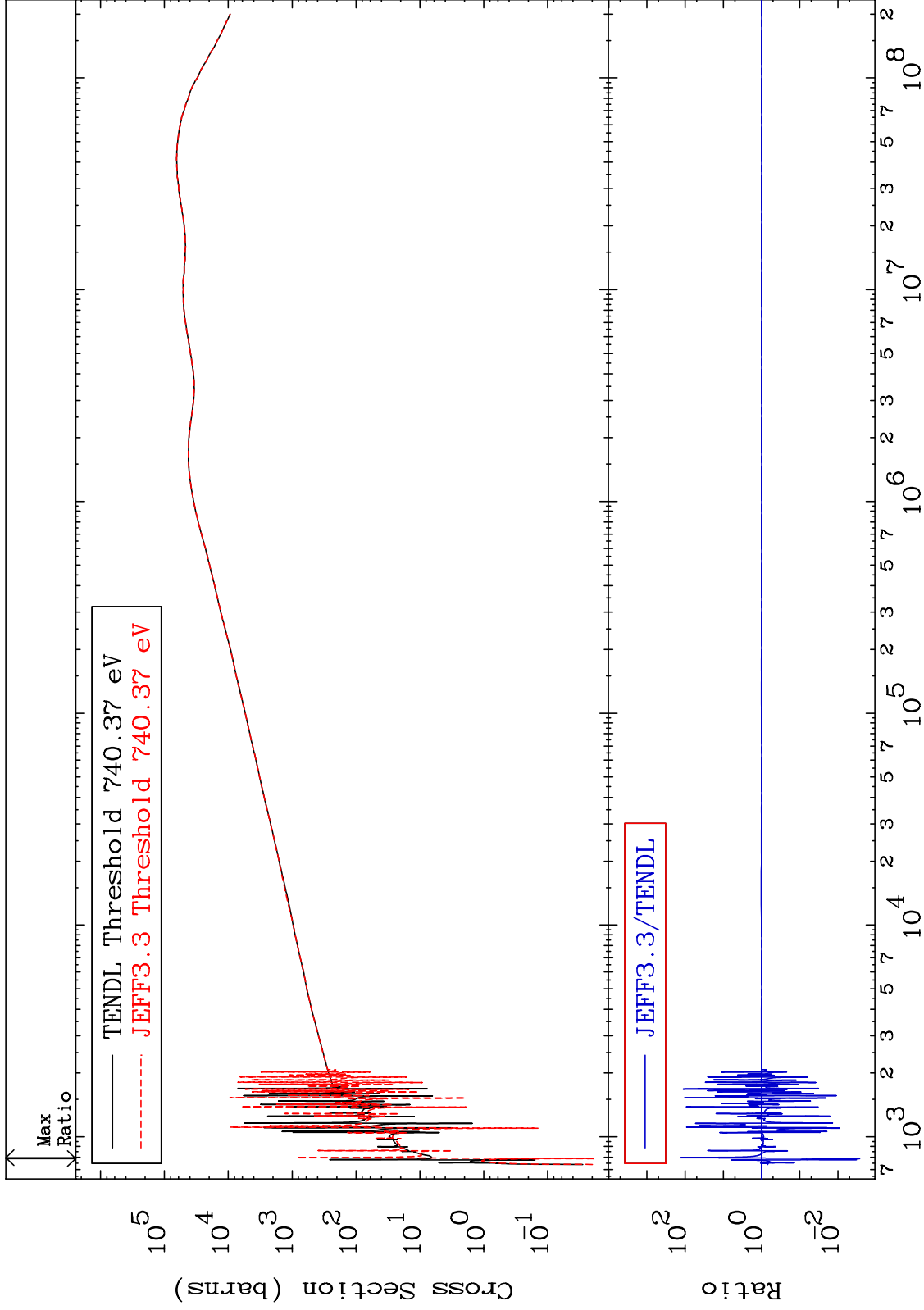
MAT 5425 Dpa total (eV-barns) 54-Xe-124
 Cross Section -99.98 To 9999. %



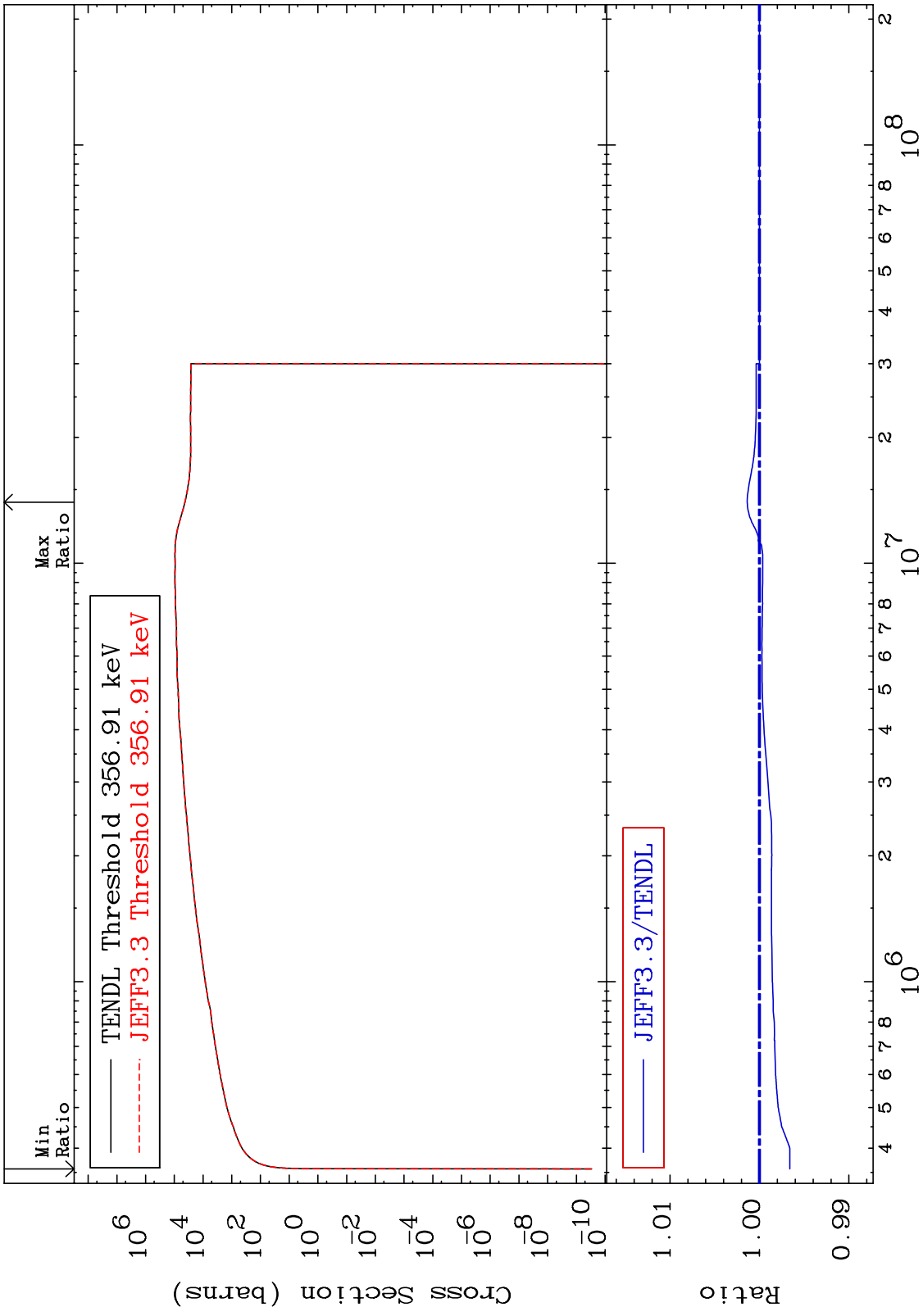
MAT 5425

Dpa elastic (mt2)
Cross Section

54-Xe-124
-99.73 To 9999. %



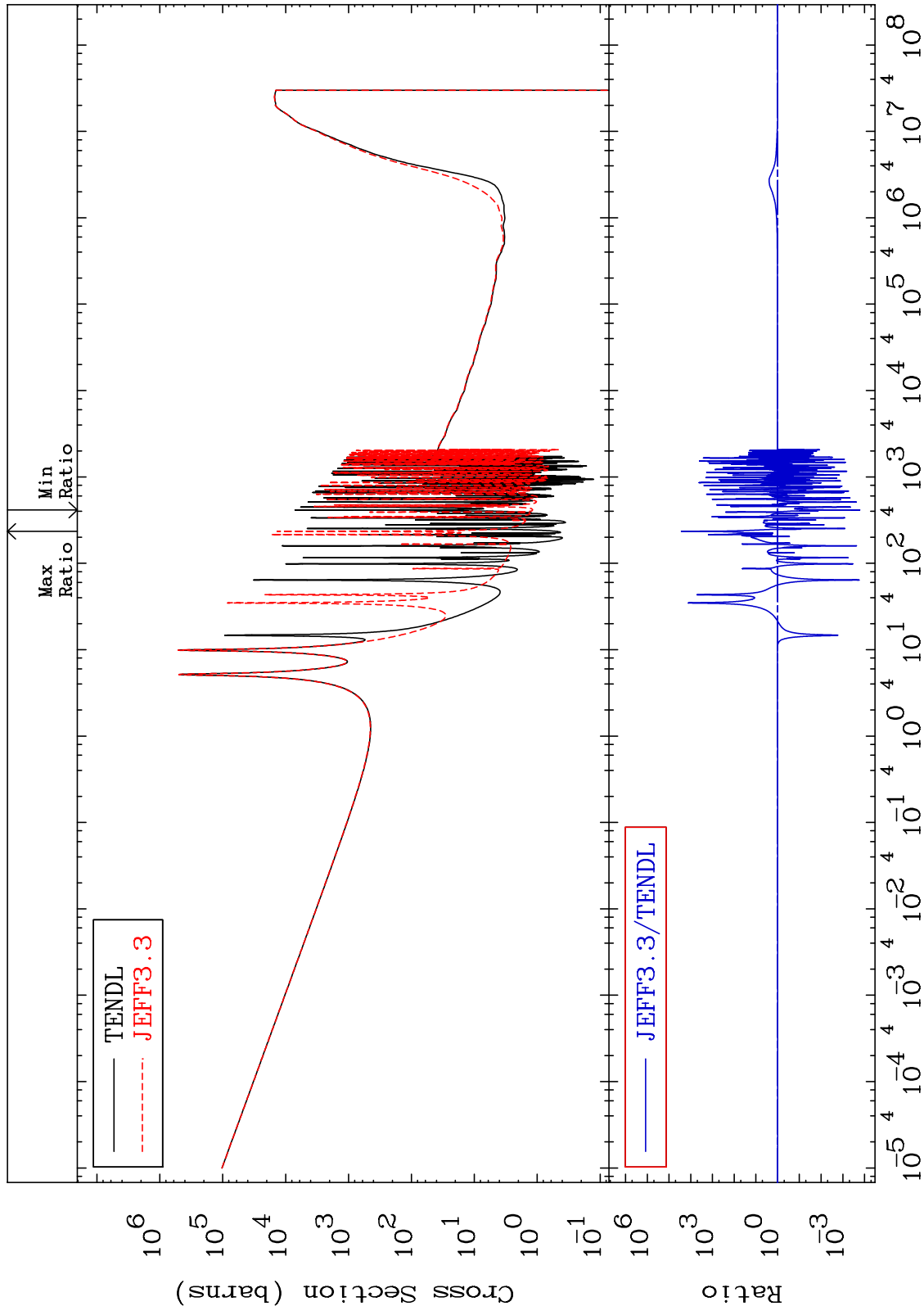
MAT 5425 Dpa inelastic (mt51-91) 54-Xe-124
 Cross Section -0.339 To 0.138 %



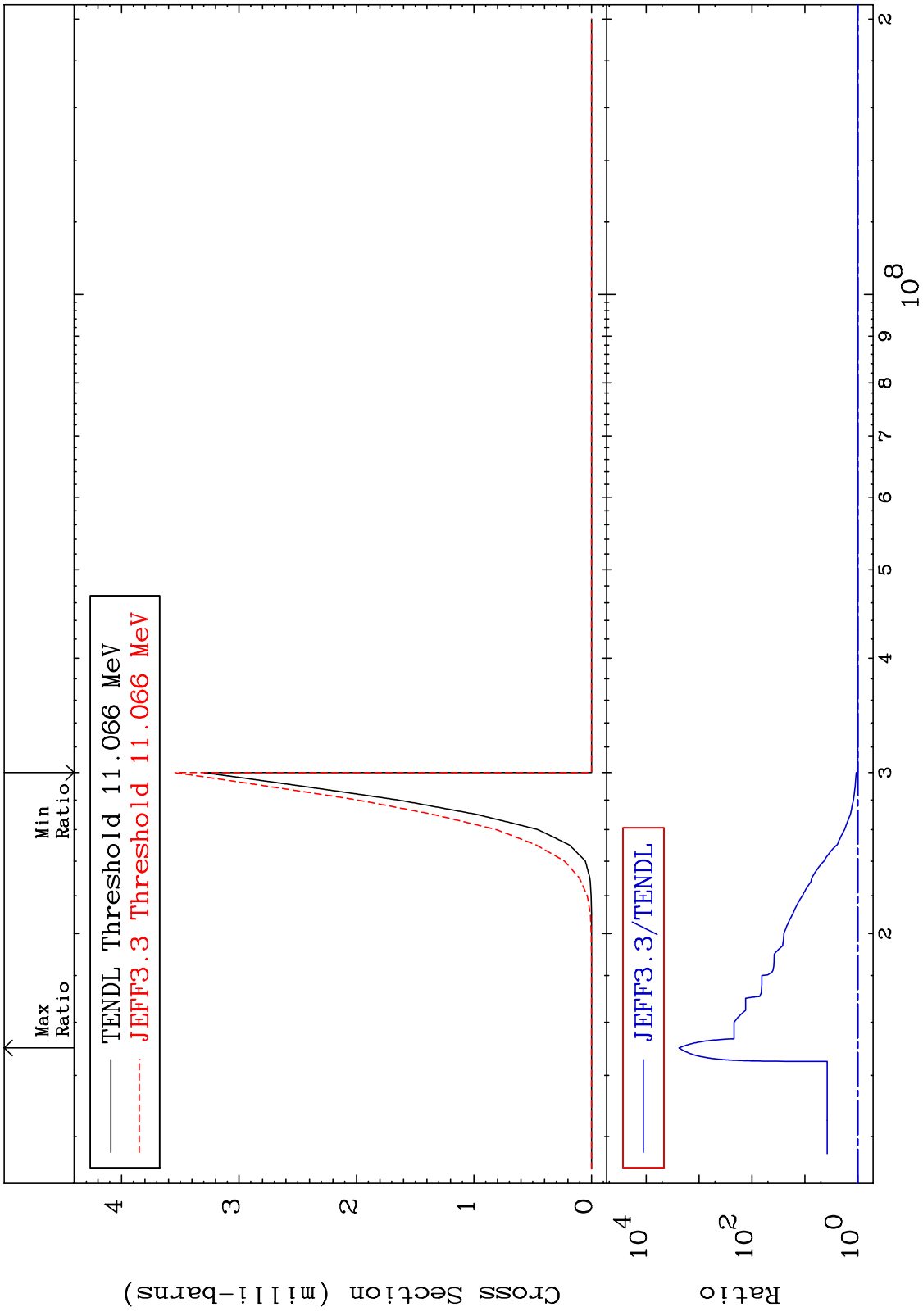
MAT 5425

Dpa disappearance (mt102 -120)
Cross Section

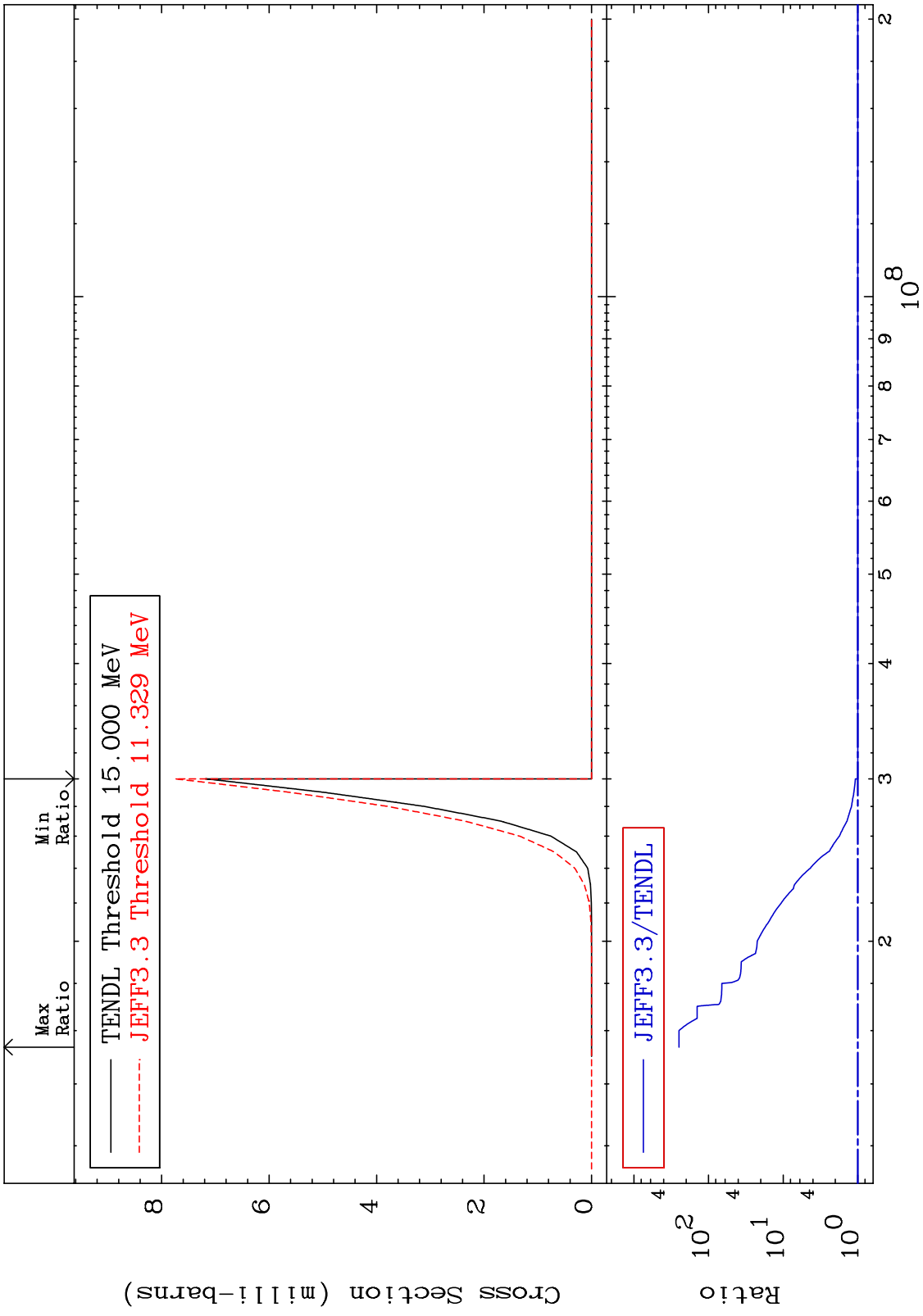
54-Xe-124
-99.98 To 9999. %



MAT 5425 (n,2n) α :52-Te-119g 54-Xe-124
 Radionuclide Production Cross Section 0.000 To 9999. %

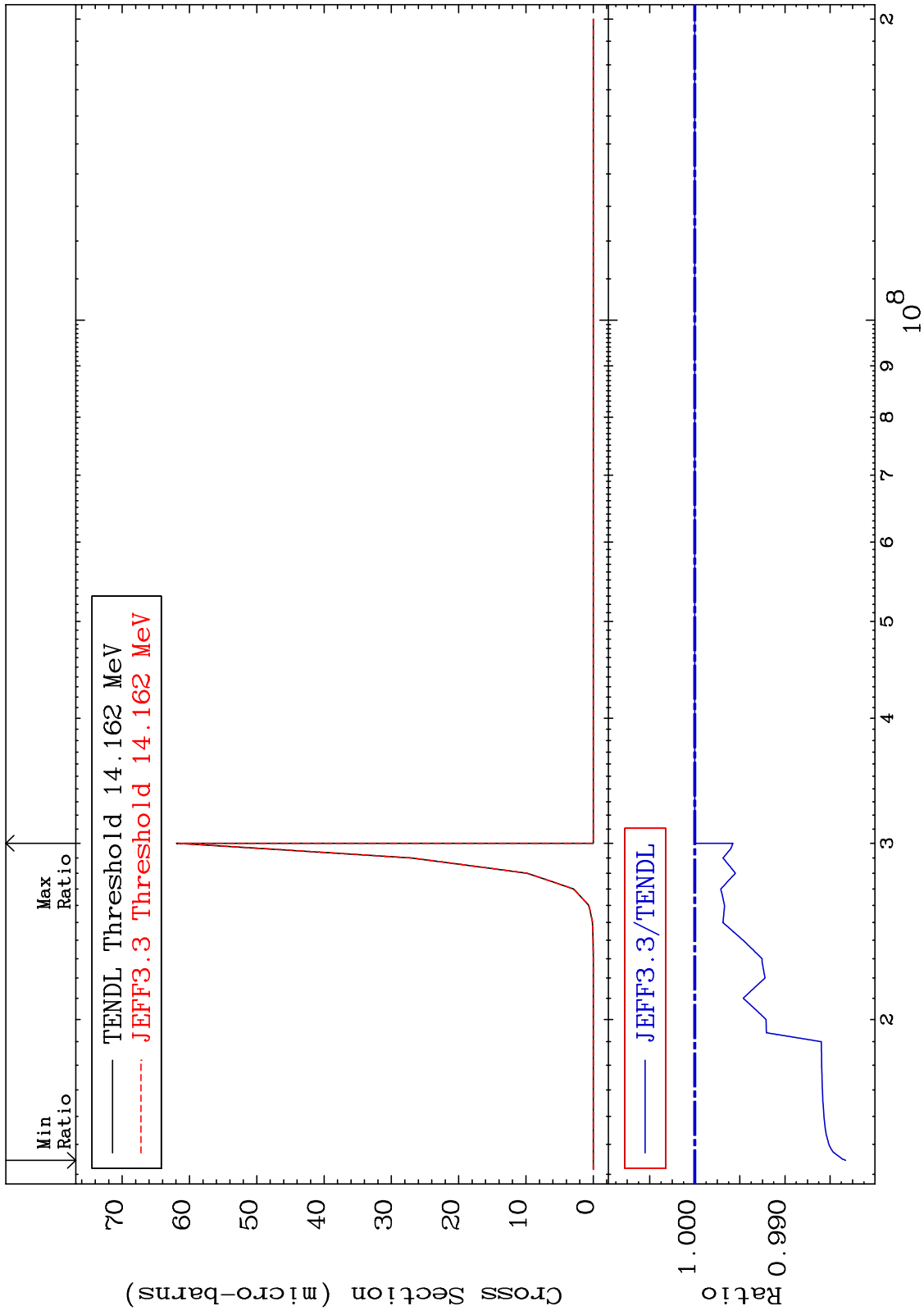


MAT 5425 (n,2n) α :52-Te-119m2 54-Xe-124
 Radionuclide Production Cross Section 0.000 To 9999. %



MAT 5425

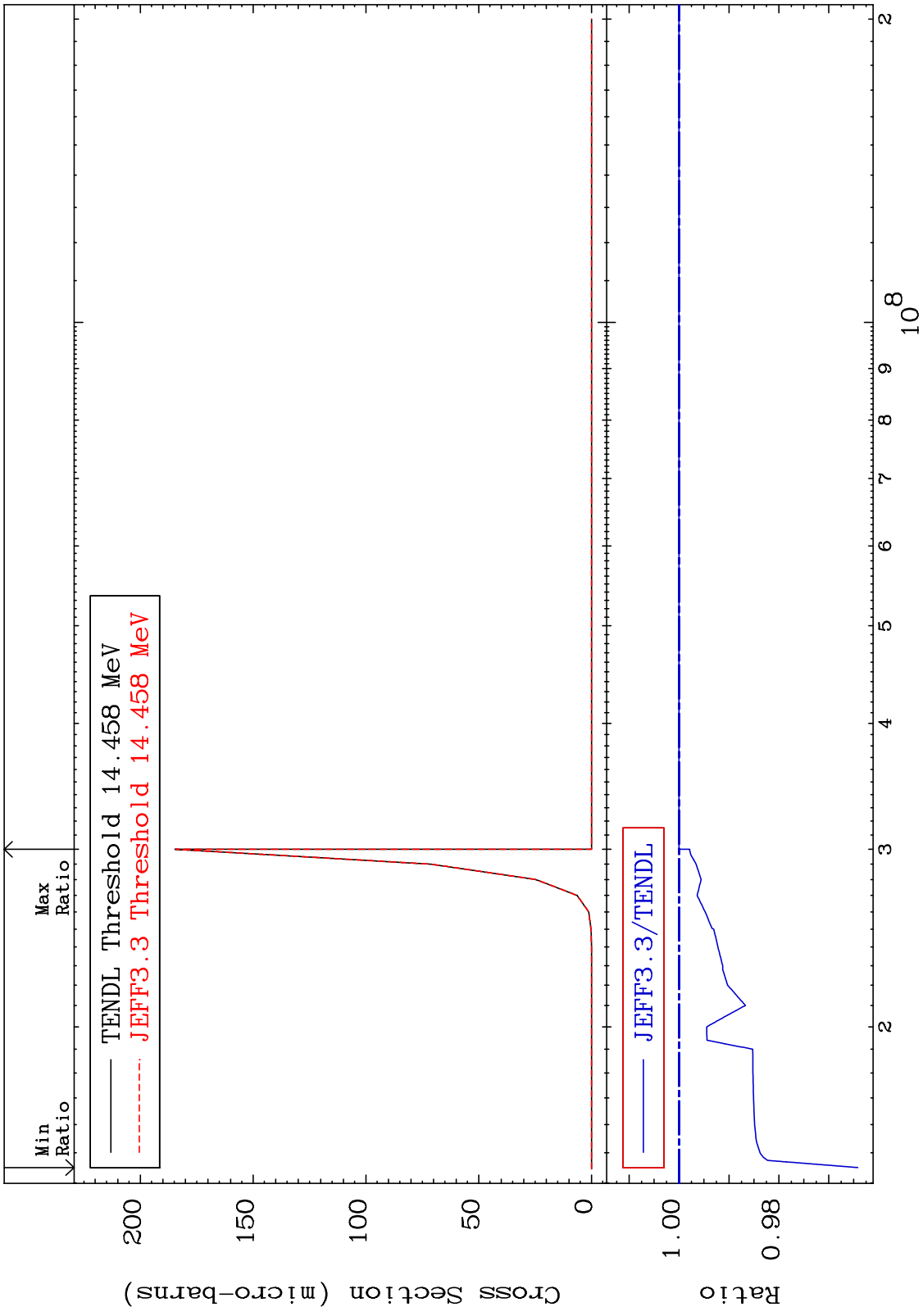
(n,n') He-3:52-Te-121g 54-Xe-124
Radionuclide Production Cross Section -1.673 To 0.000 %



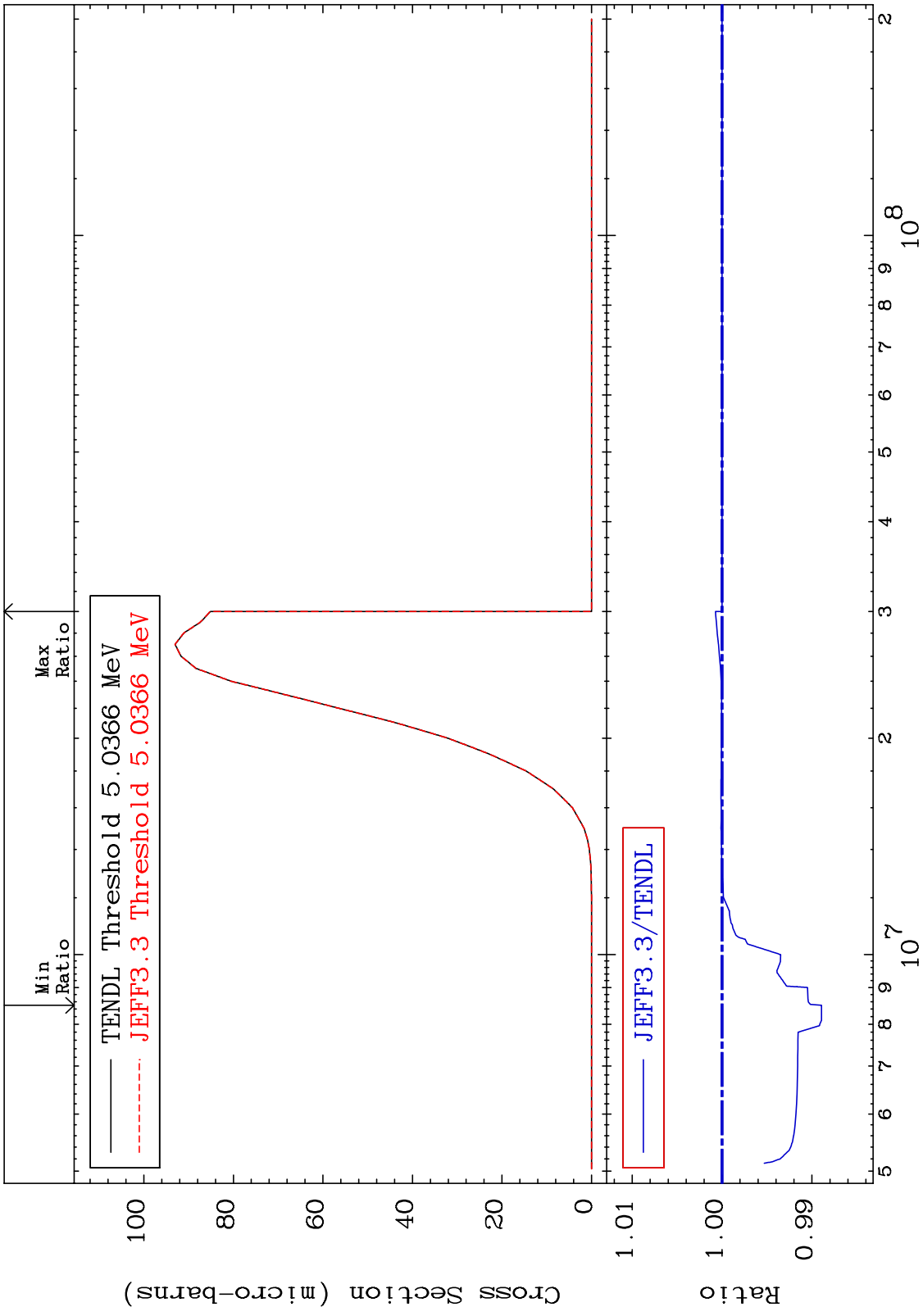
82

54-Xe-124

MAT 5425 (n,n') He-3:52-Te-121m2 54-Xe-124
 Radionuclide Production Cross Section -3.583 To 0.000 %

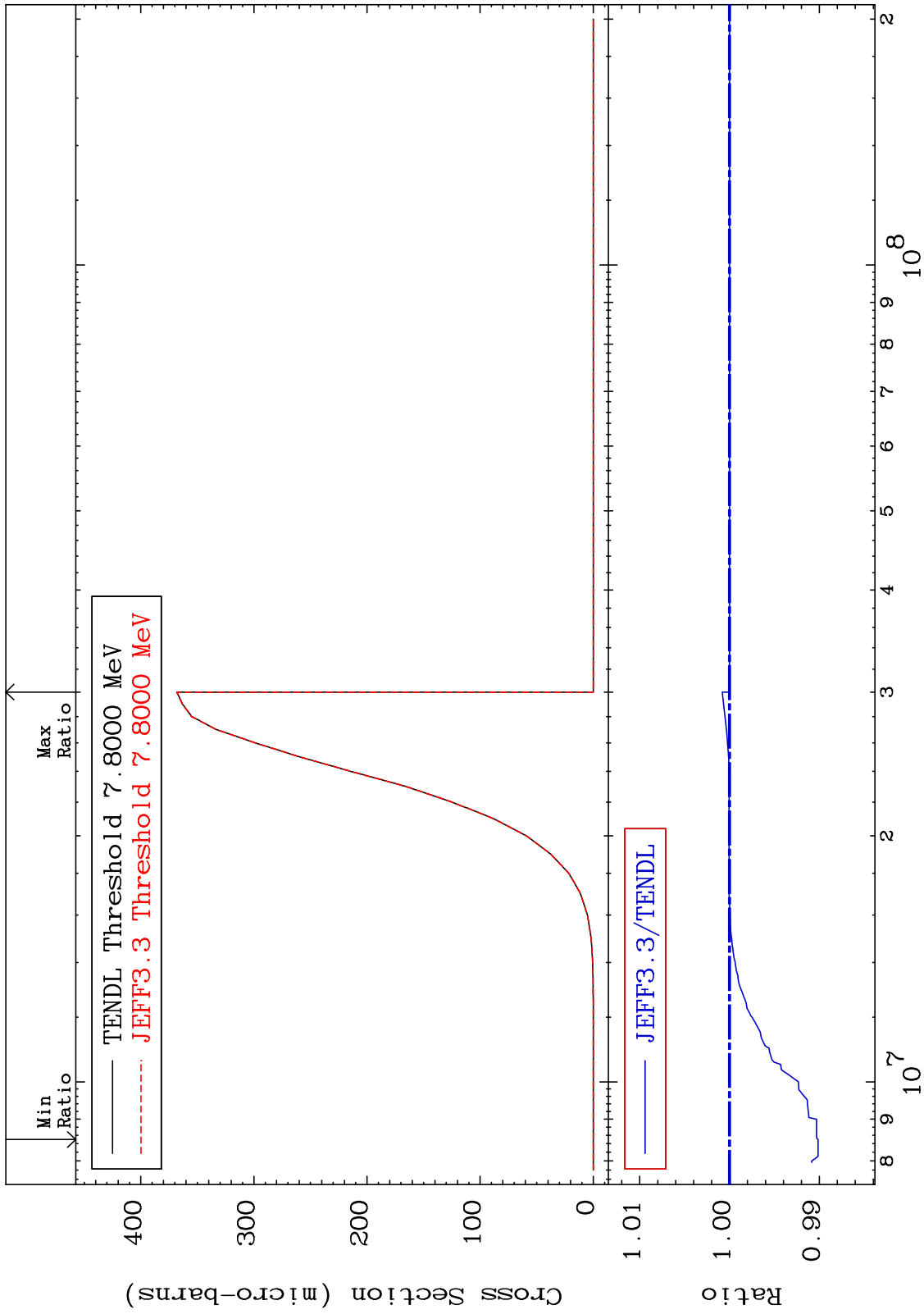


MAT 5425 (n,2p):52-Te-123g 54-Xe-124
 Radionuclide Production Cross Section -1.106 To 0.075 %



MAT 5425 (n,2p):52-Te-123m2 54-Xe-124

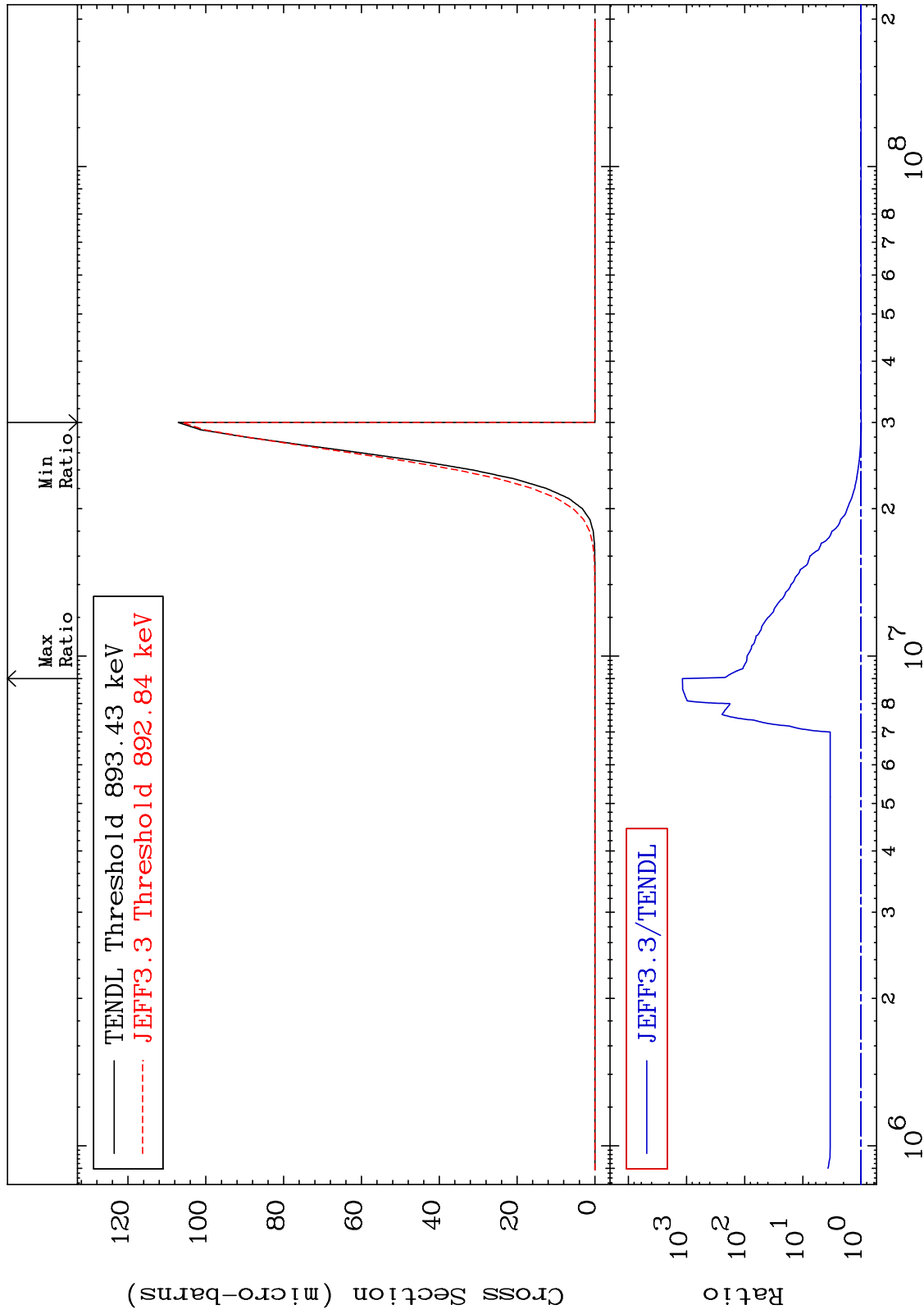
Radionuclide Production Cross Section -0.986 To 0.080 %



MAT 5425

54-Xe-124

(n,p) α :51-Sb-120g
Radionuclide Production Cross Section -0.959 To 9999. %

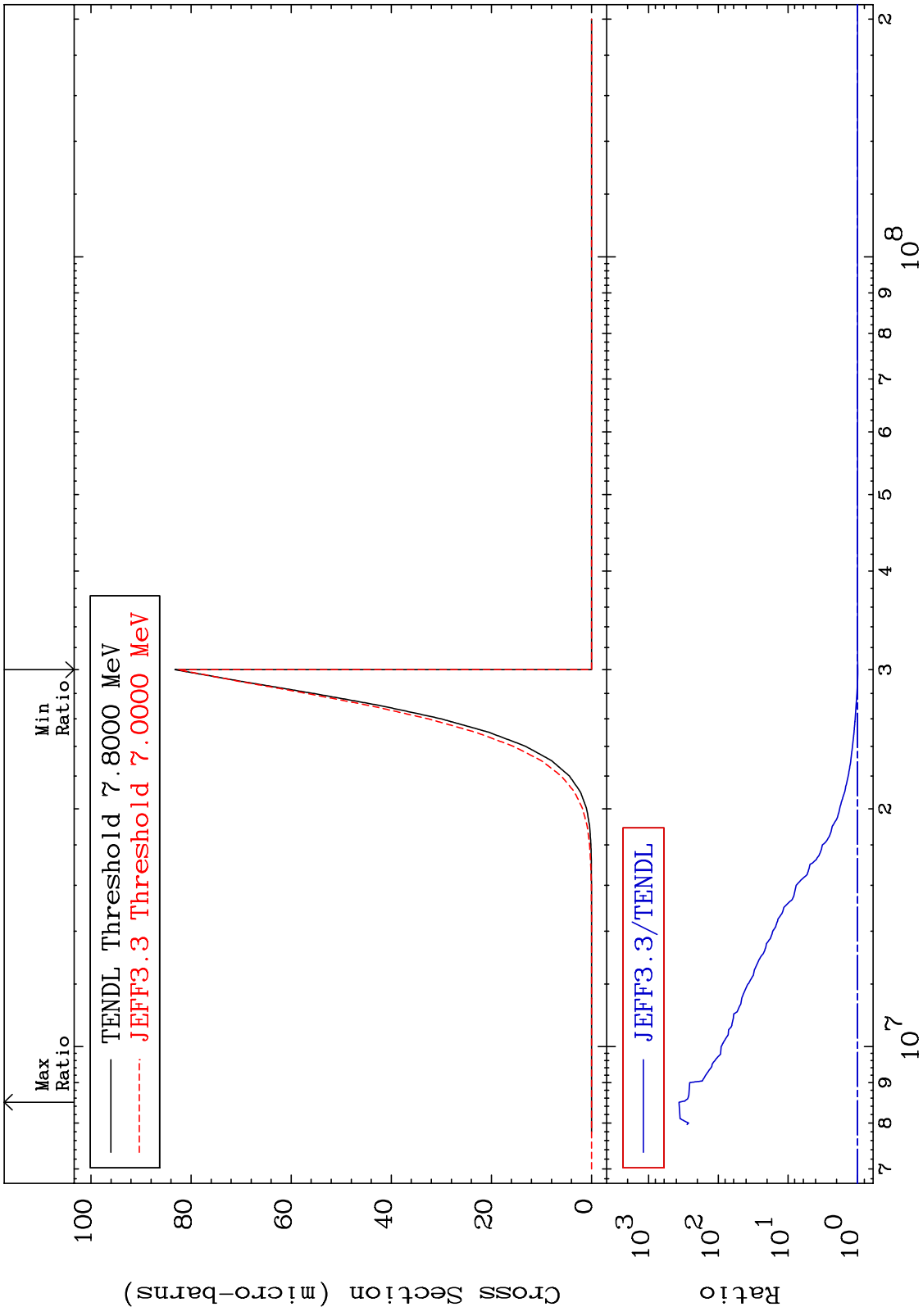


86

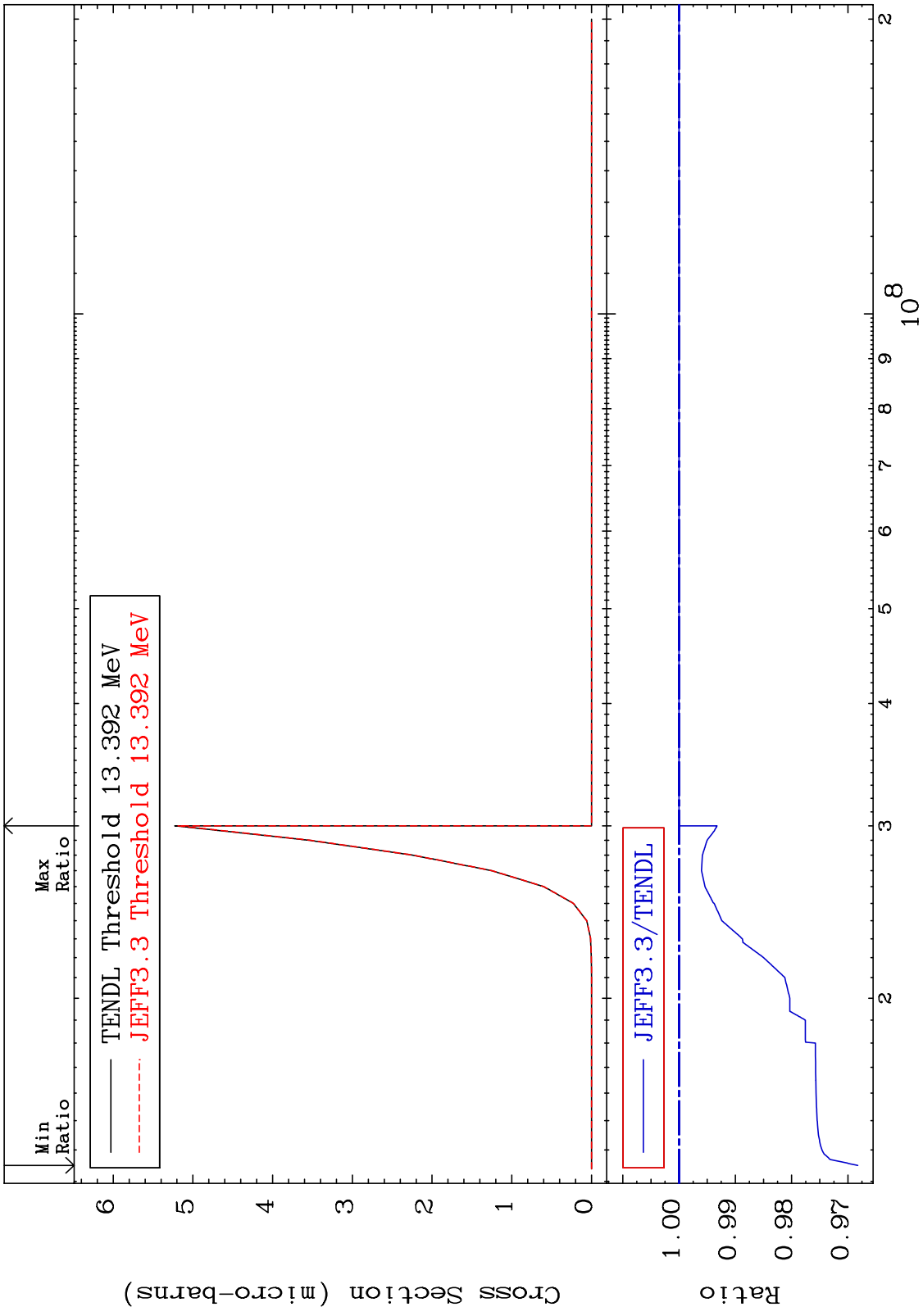
Incident Energy (eV)

54-Xe-124

MAT 5425 (n,p) α :51-Sb-120m6 54-Xe-124
 Radionuclide Production Cross Section -0.622 To 9999. %



MAT 5425 (n,p) t:52-Te-121g 54-Xe-124
 Radionuclide Production Cross Section -3.175 To 0.000 %



MAT 5425 (n,p) t:52-Te-121m2 54-Xe-124
 Radionuclide Production Cross Section -2.883 To 0.000 %

