

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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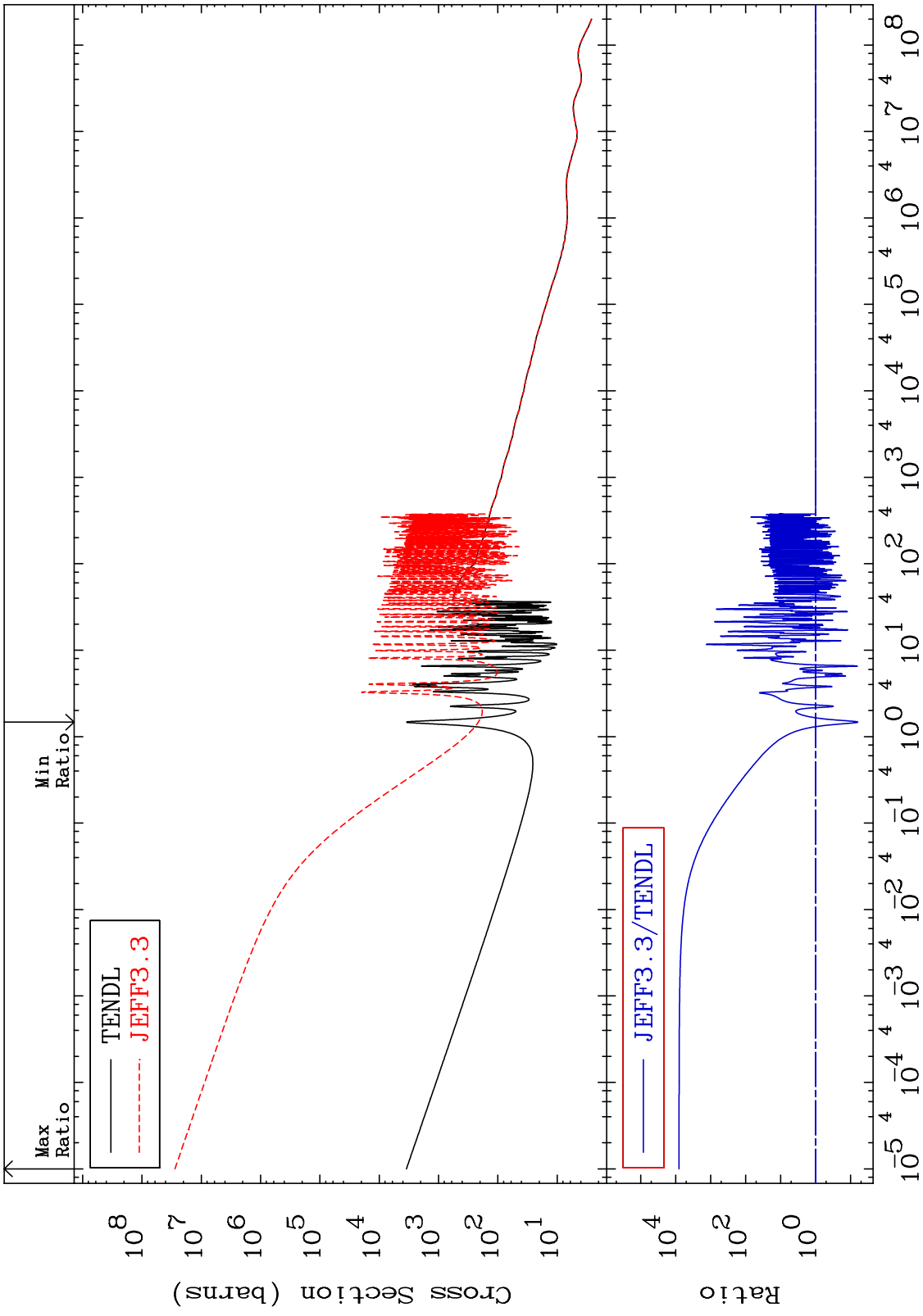
U.S.A.

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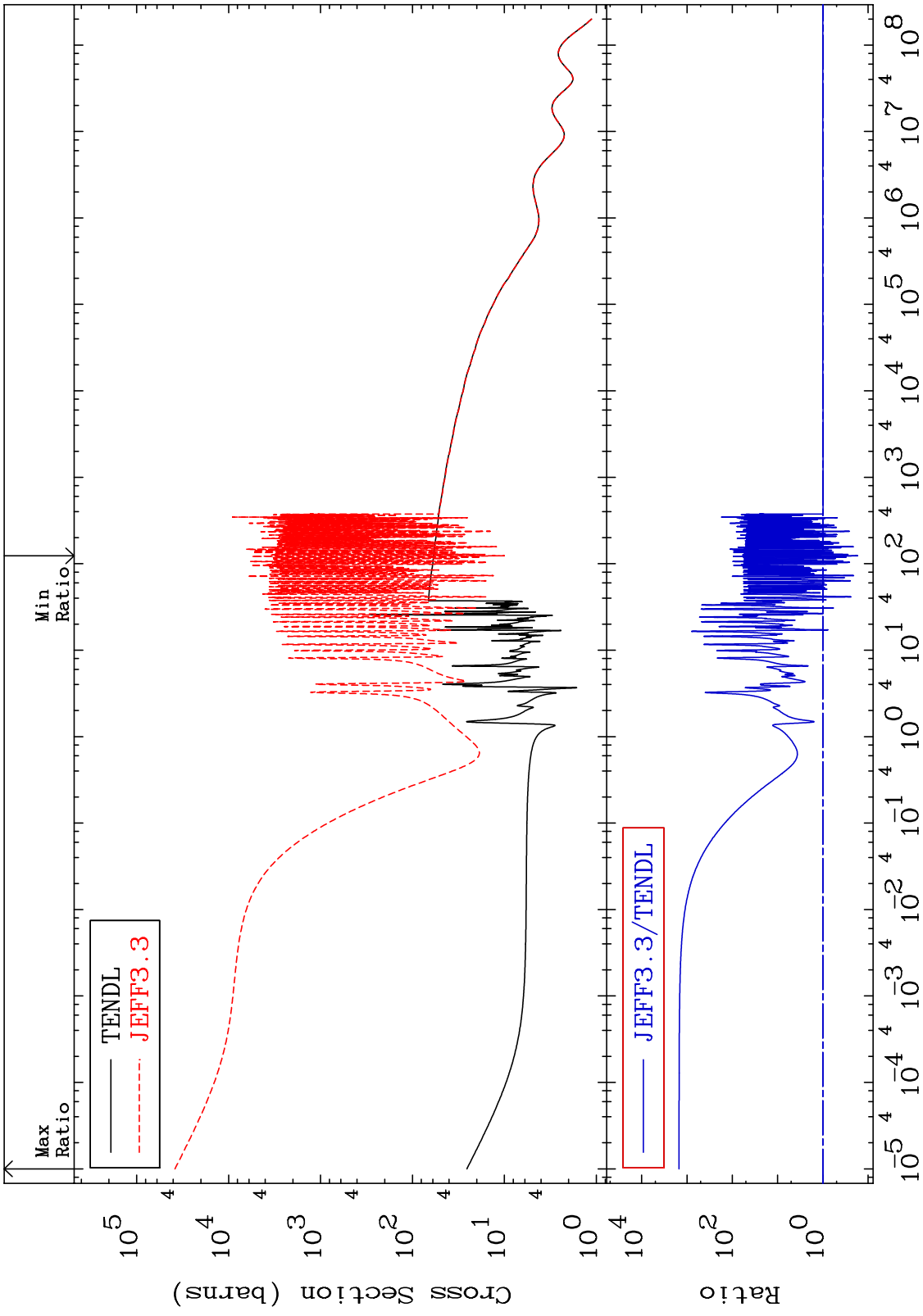
Press Mouse Button to Start

MAT 7119 71-Lu-173
Total -93.82 To 9999. %
Cross Section

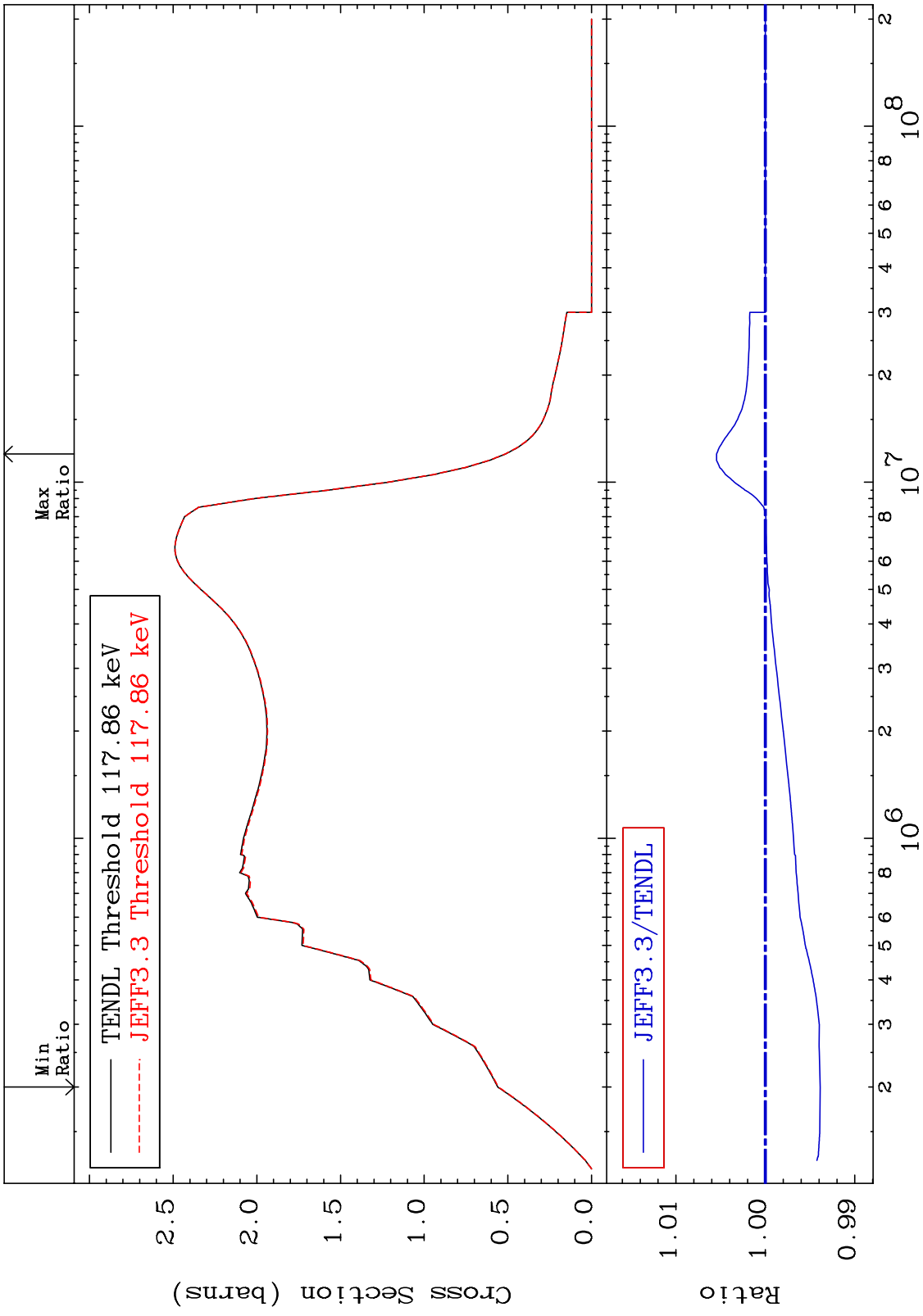


Incident Energy (eV) 71-Lu-173

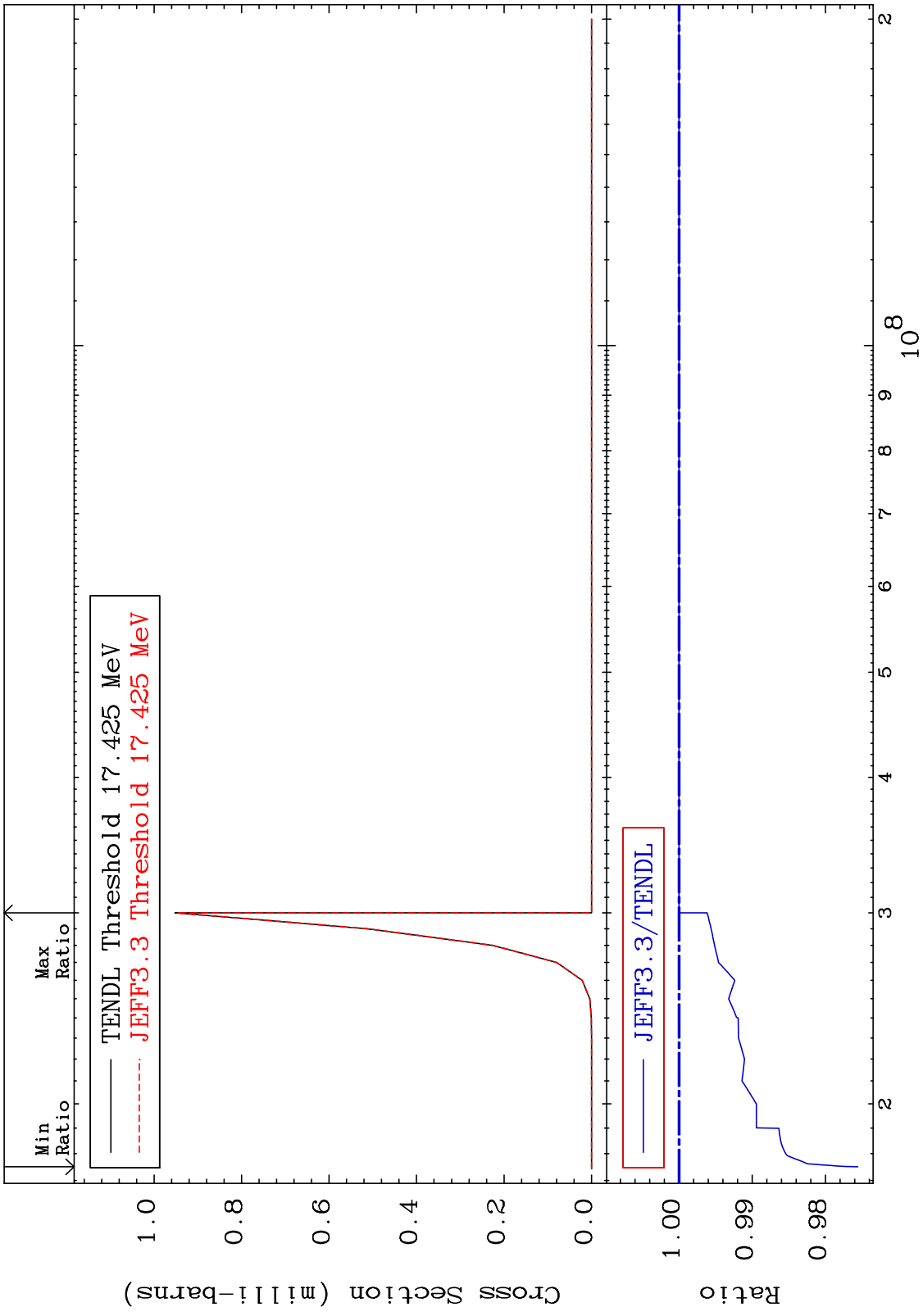
MAT 7119 Elastic Cross Section 71-Lu-173 -83.09 To 9999. %



2 71-Lu-173



MAT 7119 (n,2n) d 71-Lu-173
 Cross Section -2.441 To 0.000 %



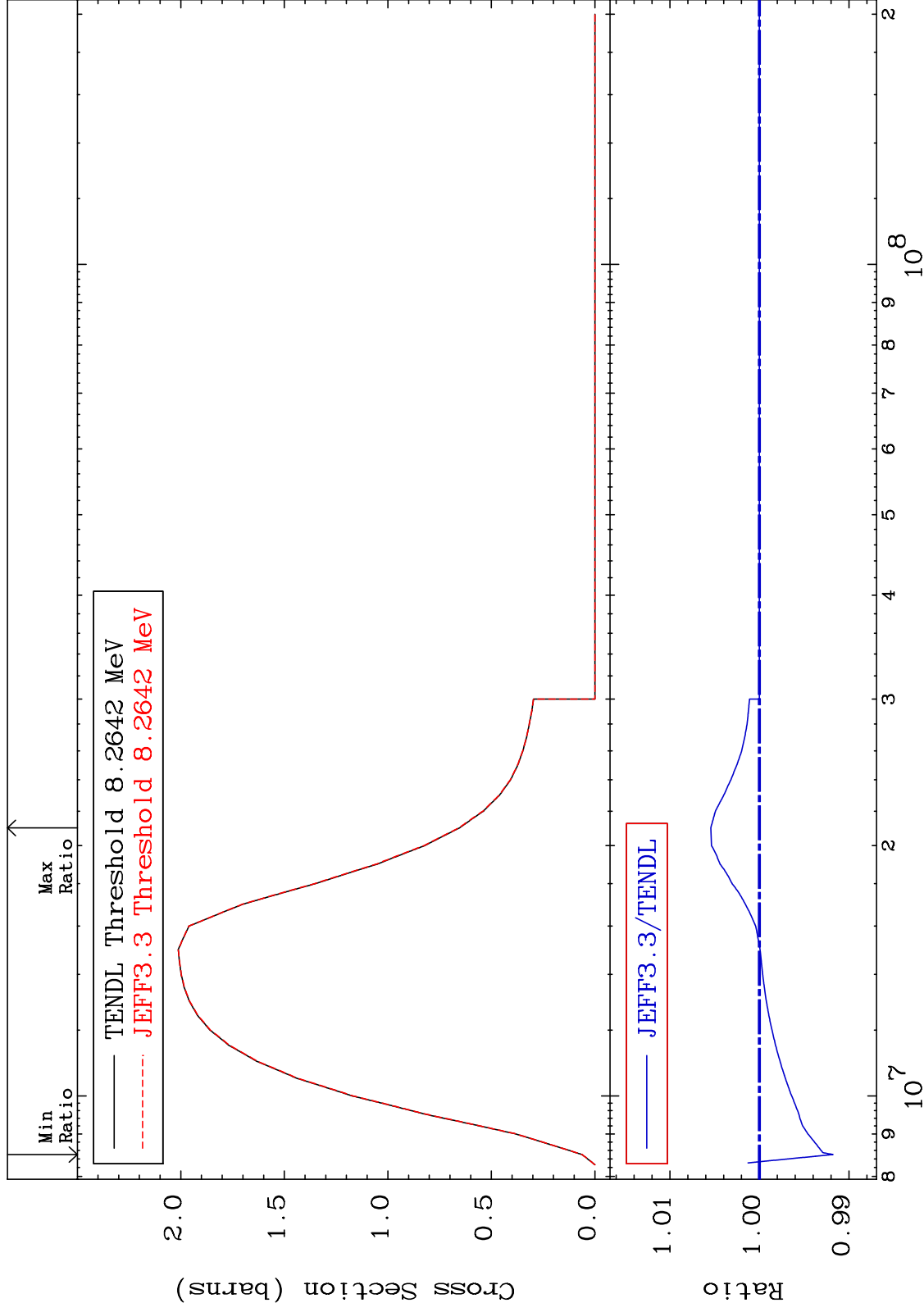
MAT 7119

(n,2n)

71-Lu-173

-0.822 To 0.544 %

Cross Section



5

Incident Energy (eV)

71-Lu-173

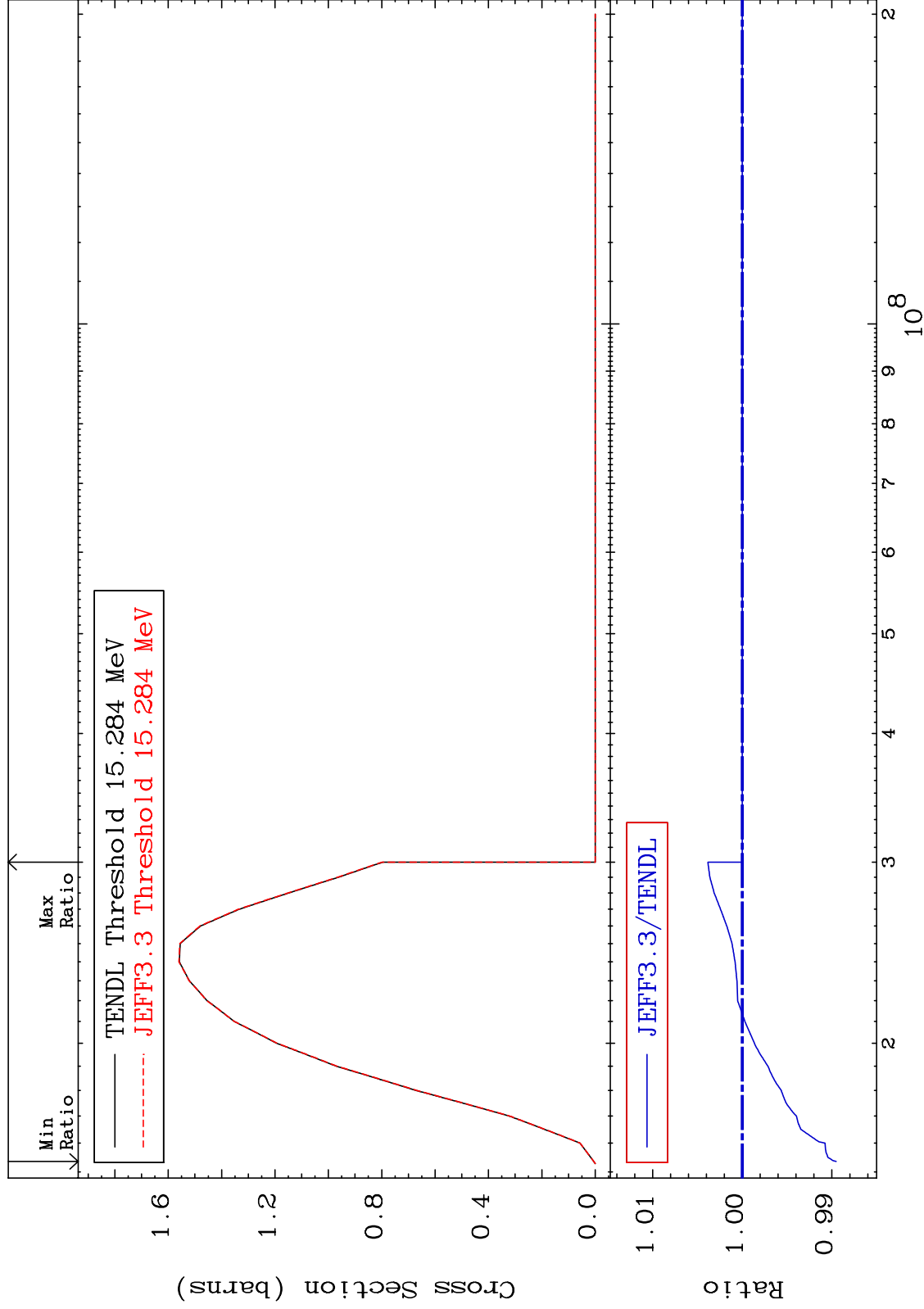
MAT 7119

(n,3n)

71-Lu-173

Cross Section

-1.047 To 0.384 %



6

Incident Energy (eV)

71-Lu-173

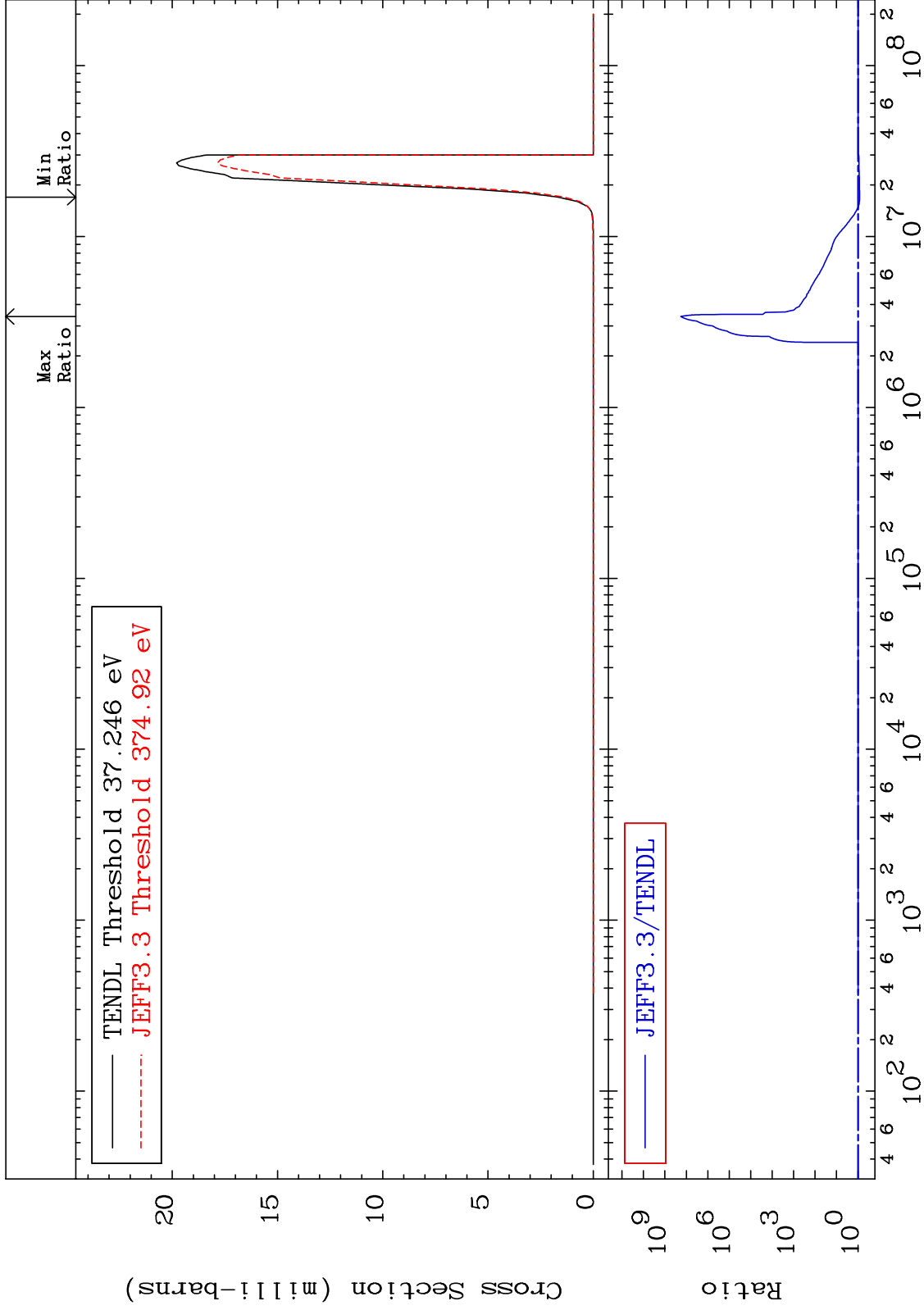
MAT 7119

(n, n') α

71-Lu-173

Cross Section

-16.46 To 9999. %

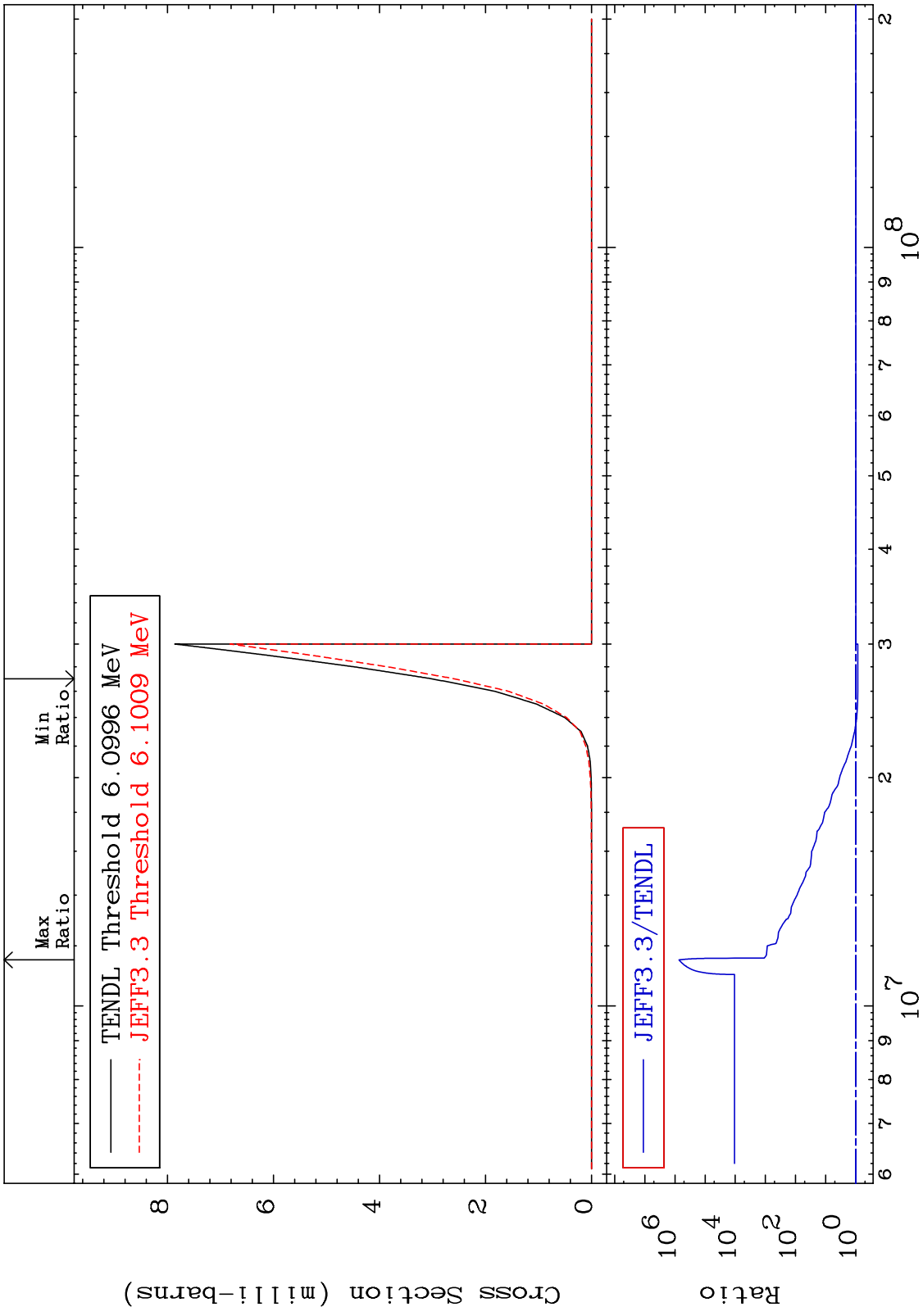


7

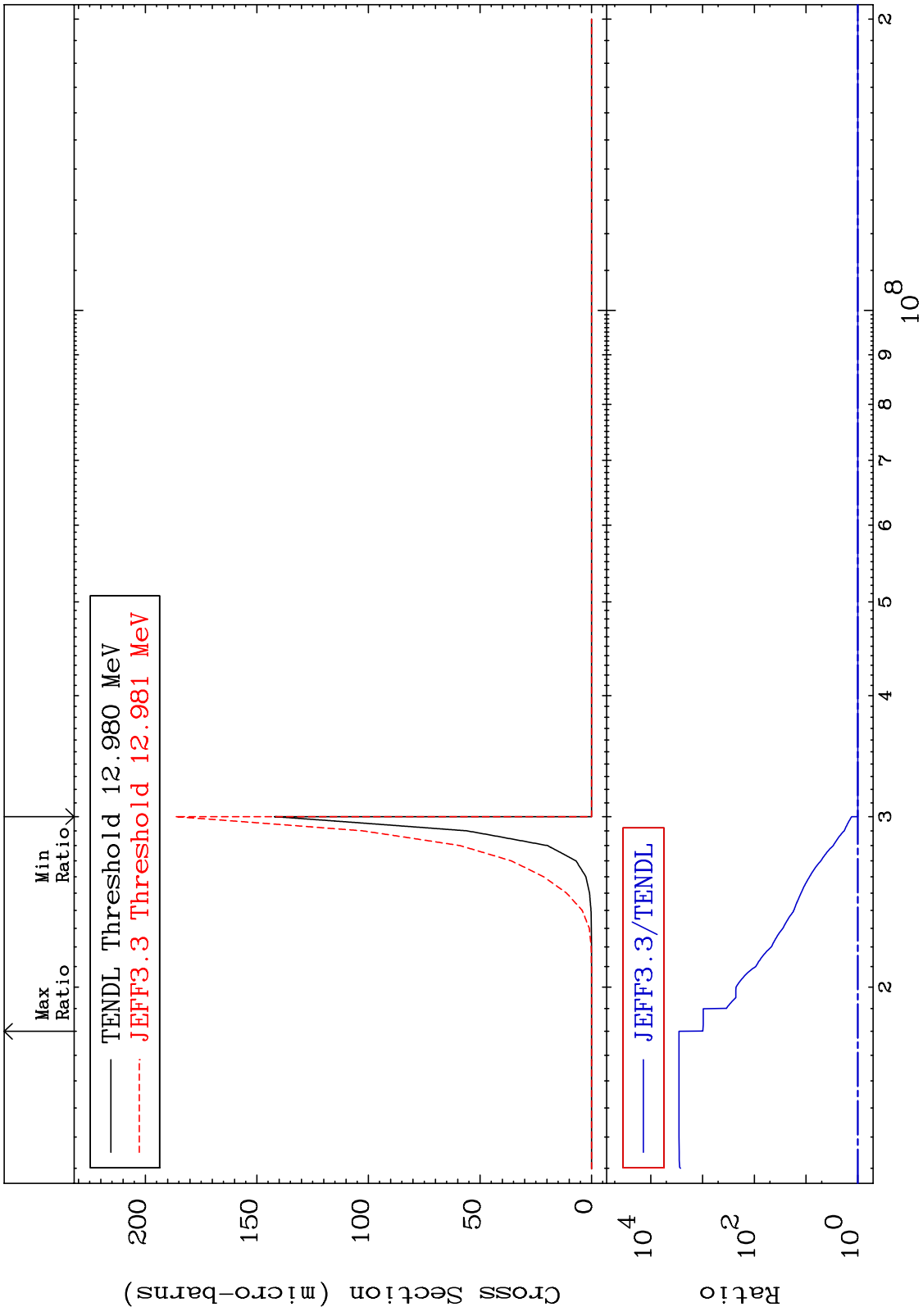
Incident Energy (eV)

71-Lu-173

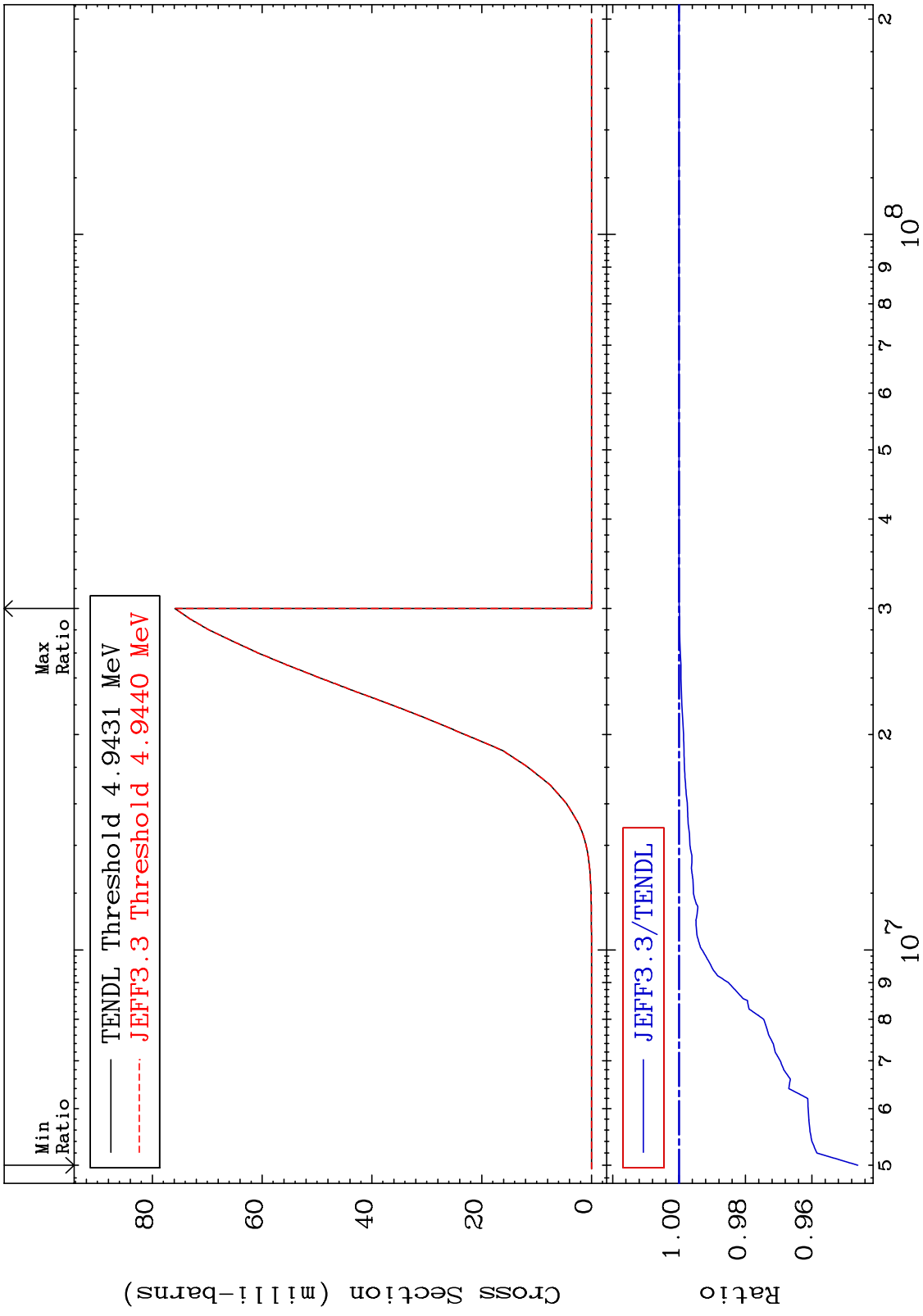
MAT 7119 71-Lu-173
(n,2n) α
Cross Section
-14.08 To 9999. %



MAT 7119 $(n, 3n) \alpha$ 71-Lu-173
 Cross Section 0.000 To 9999. %

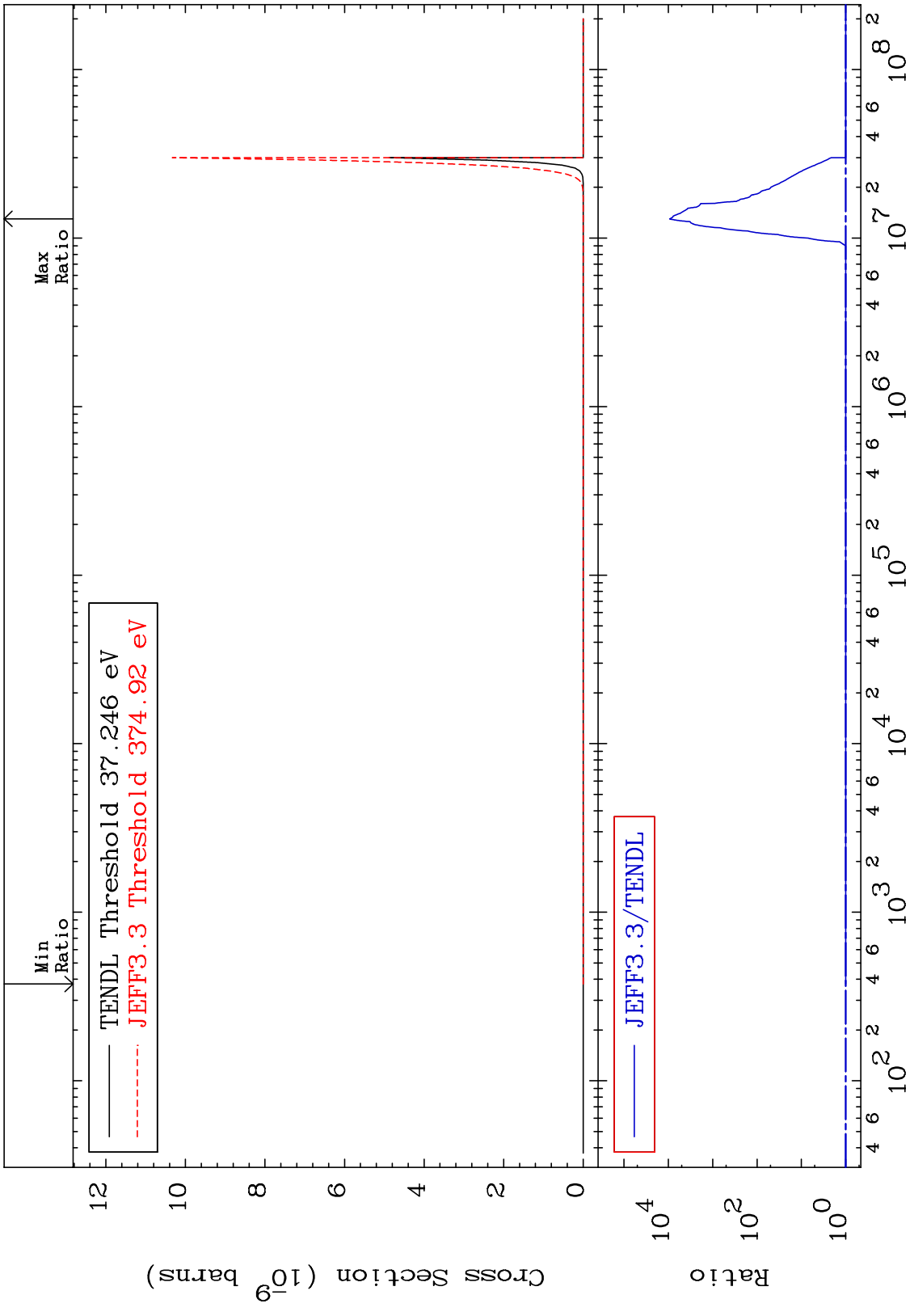


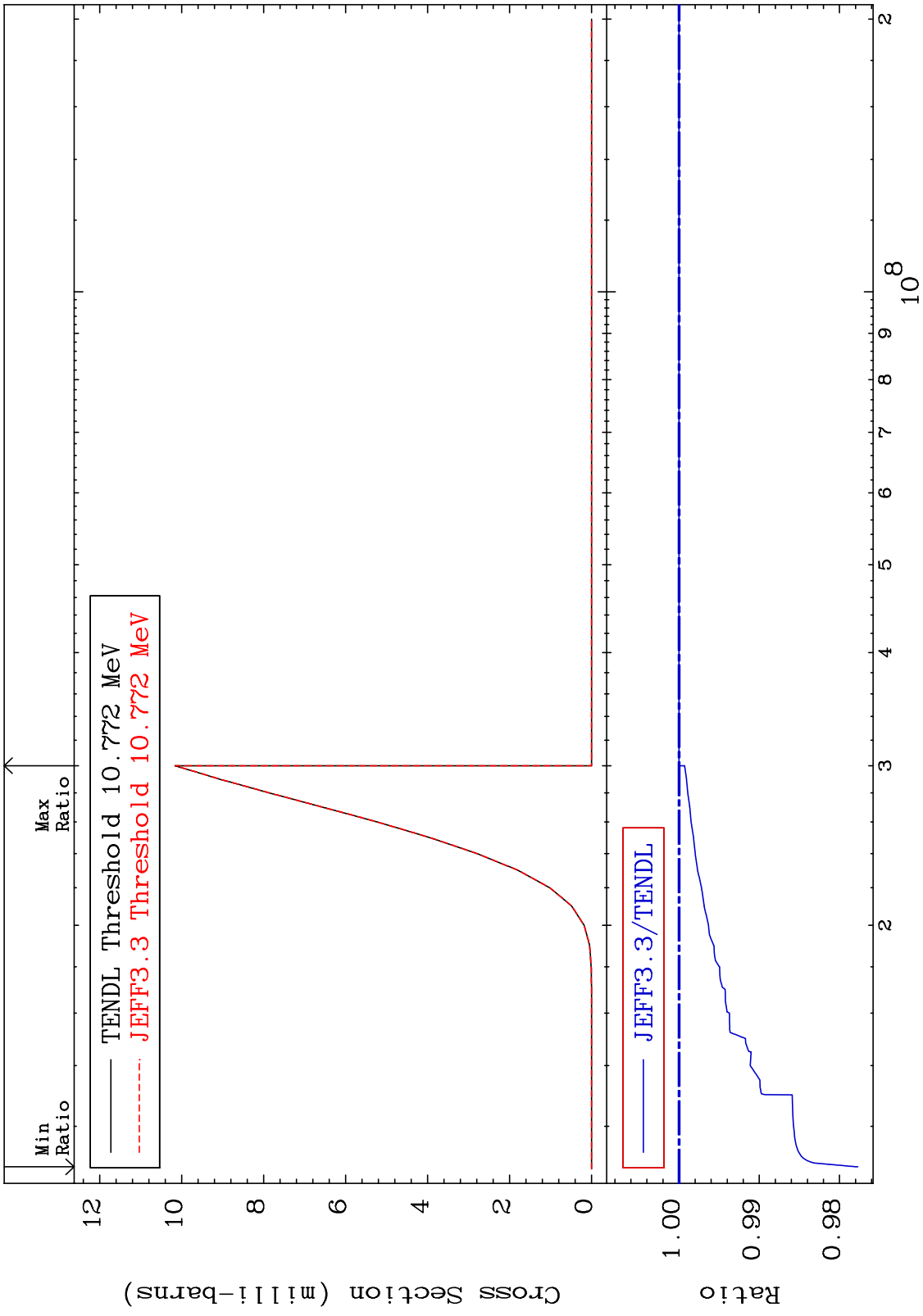
MAT 7119 $(n, n') p$ 71-Lu-173
 Cross Section -5.385 To 0.000 %

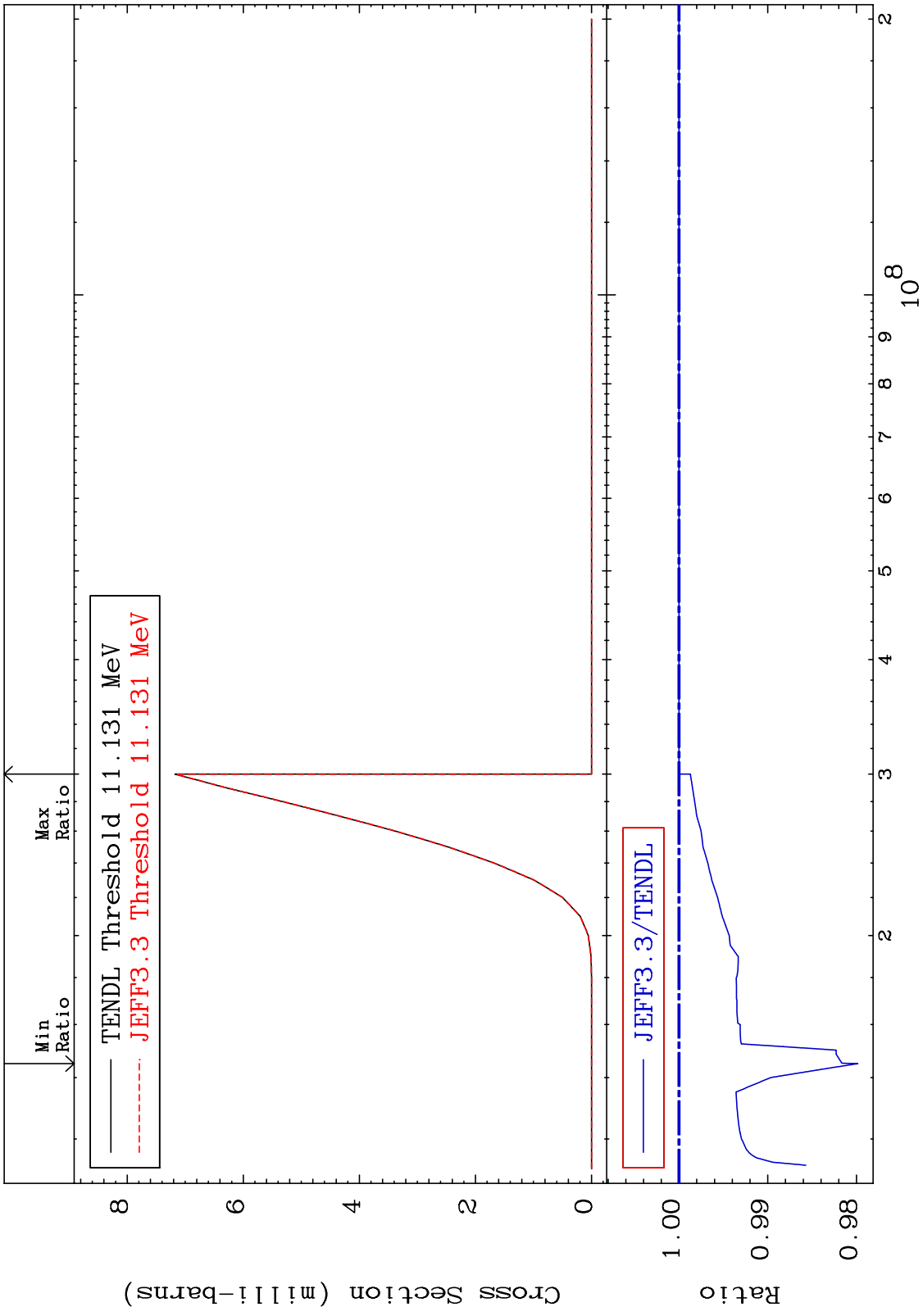


10 71-Lu-173

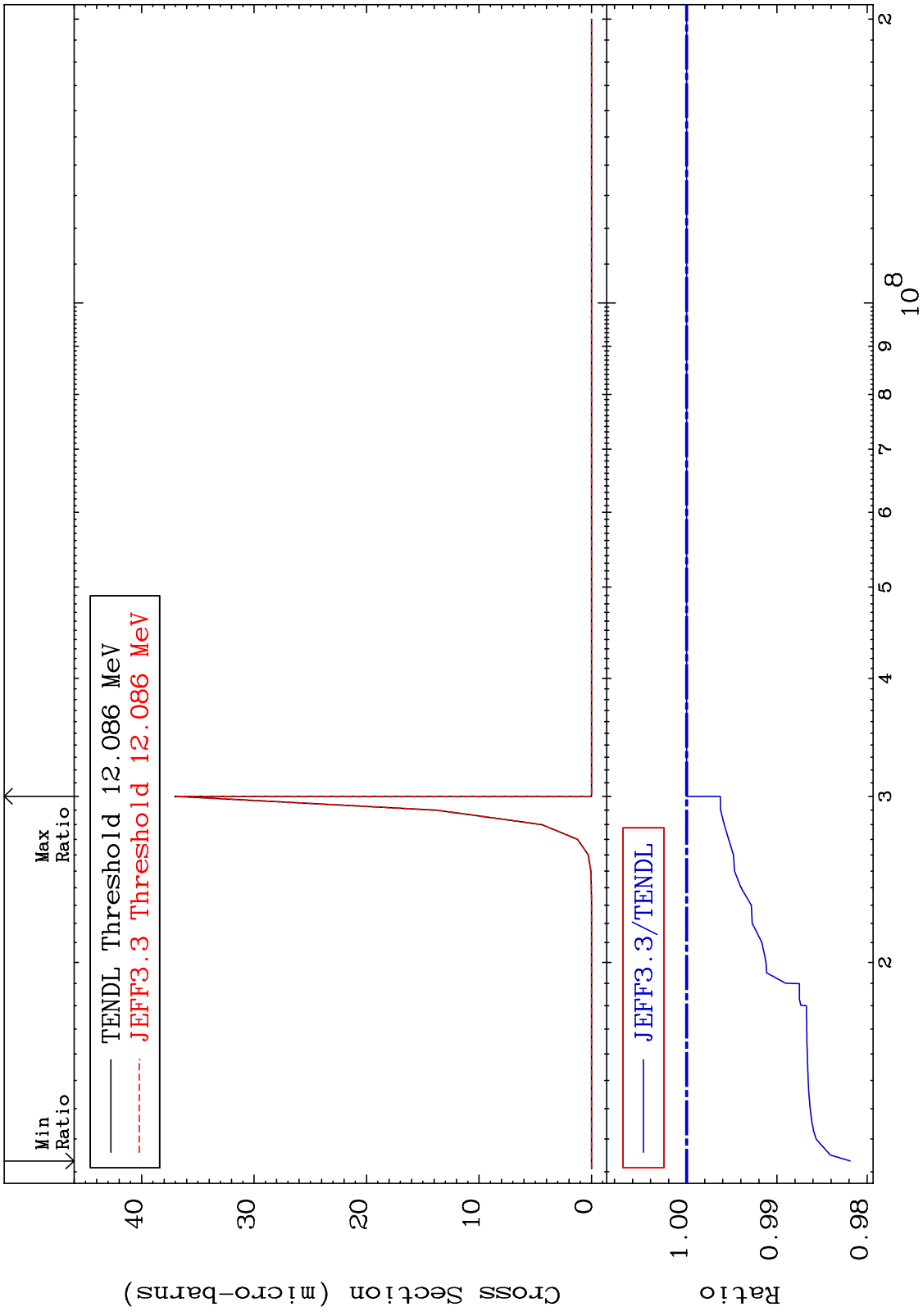
MAT 7119 (n,n') 2α Cross Section 71-Lu-173 To 9999. %







MAT 7119 (n, n') He-3 71-Lu-173
 Cross Section -1.812 To 0.000 %



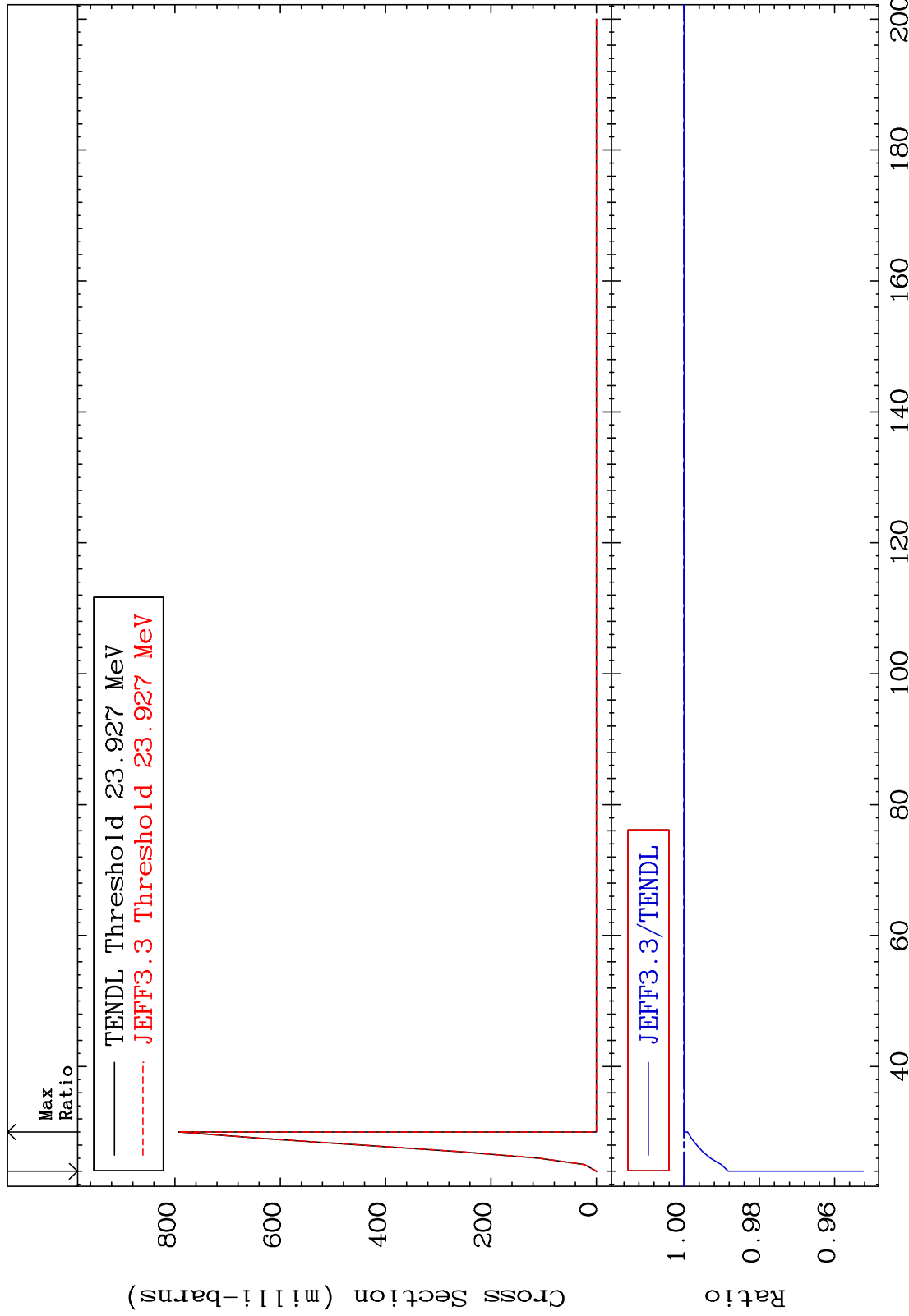
MAT 7119

(n,4n)

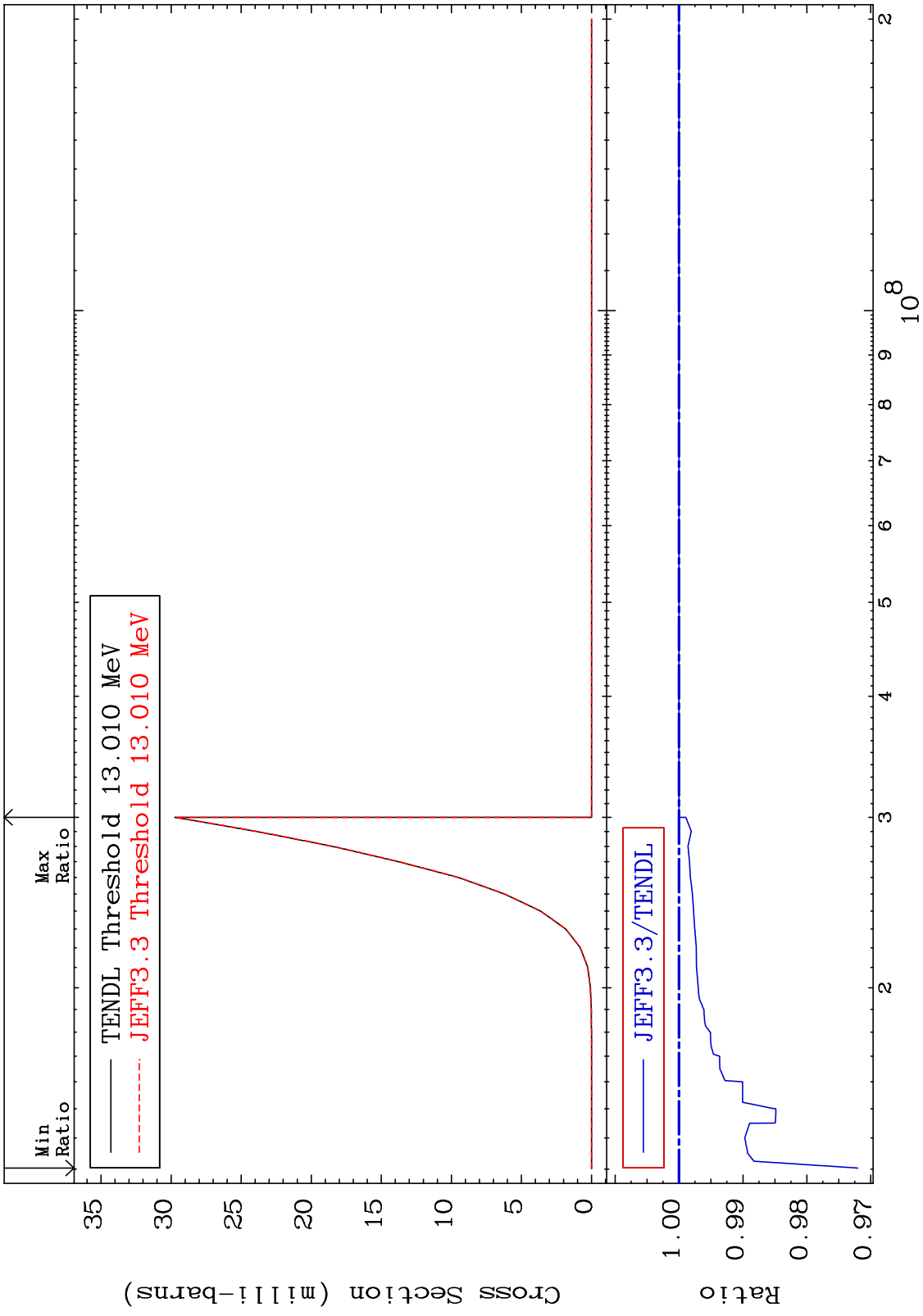
⁷¹Lu-173

Cross Section

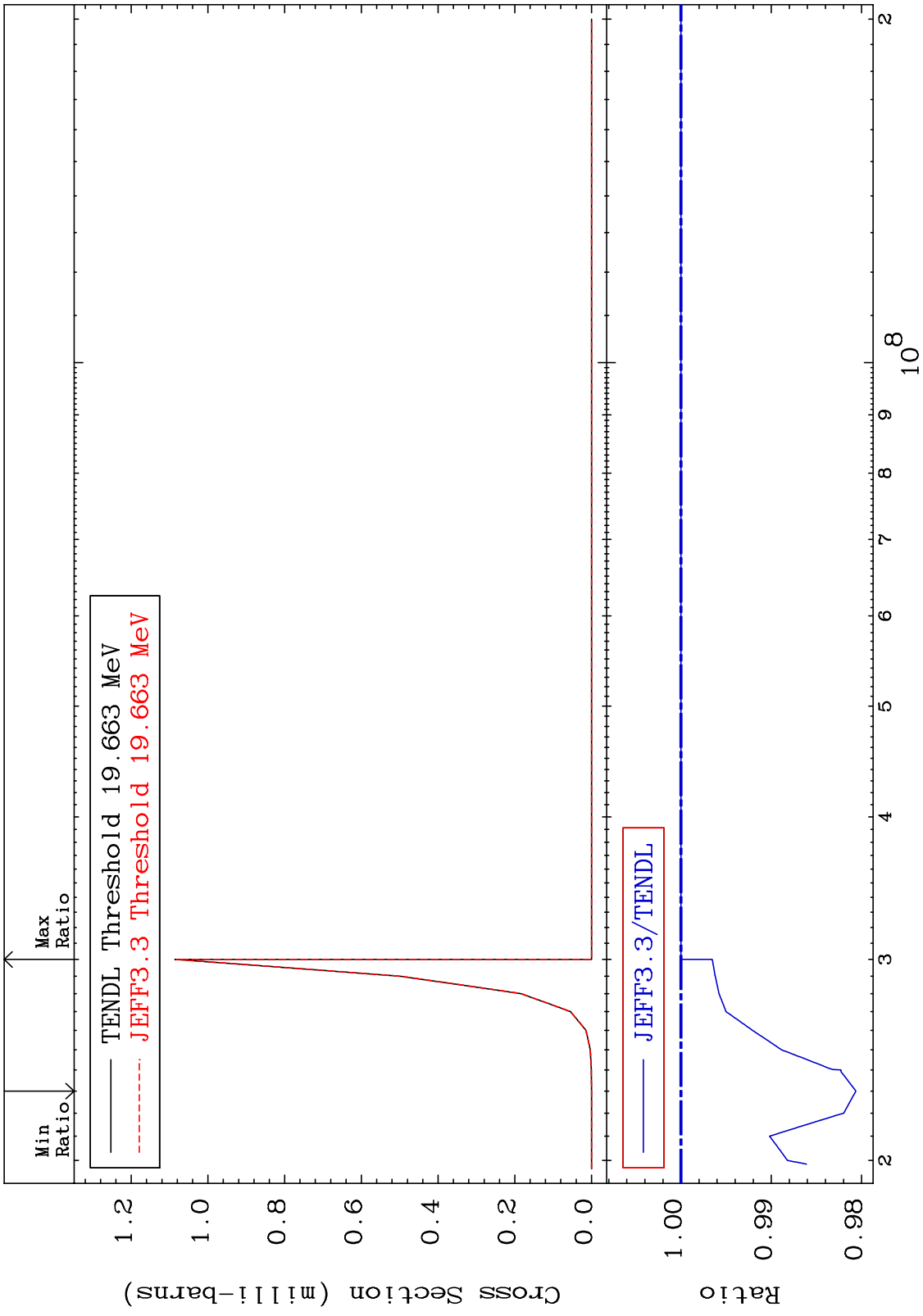
-4.766 To 0.000 %



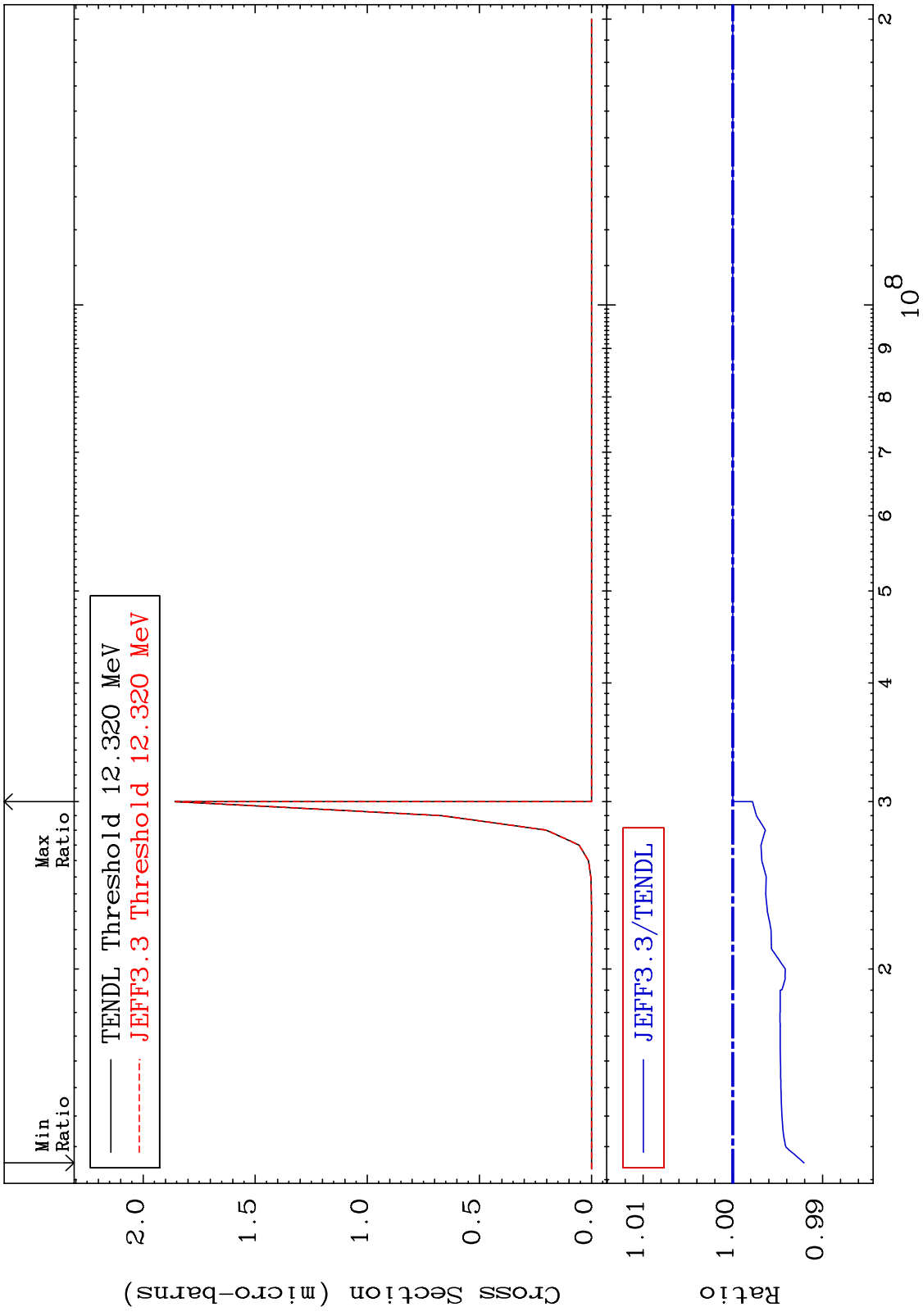
MAT 7119 (n,2n) p 71-Lu-173
 Cross Section -2.799 To 0.000 %



MAT 7119 (n,3n) p 71-Lu-173
 Cross Section -1.937 To 0.000 %



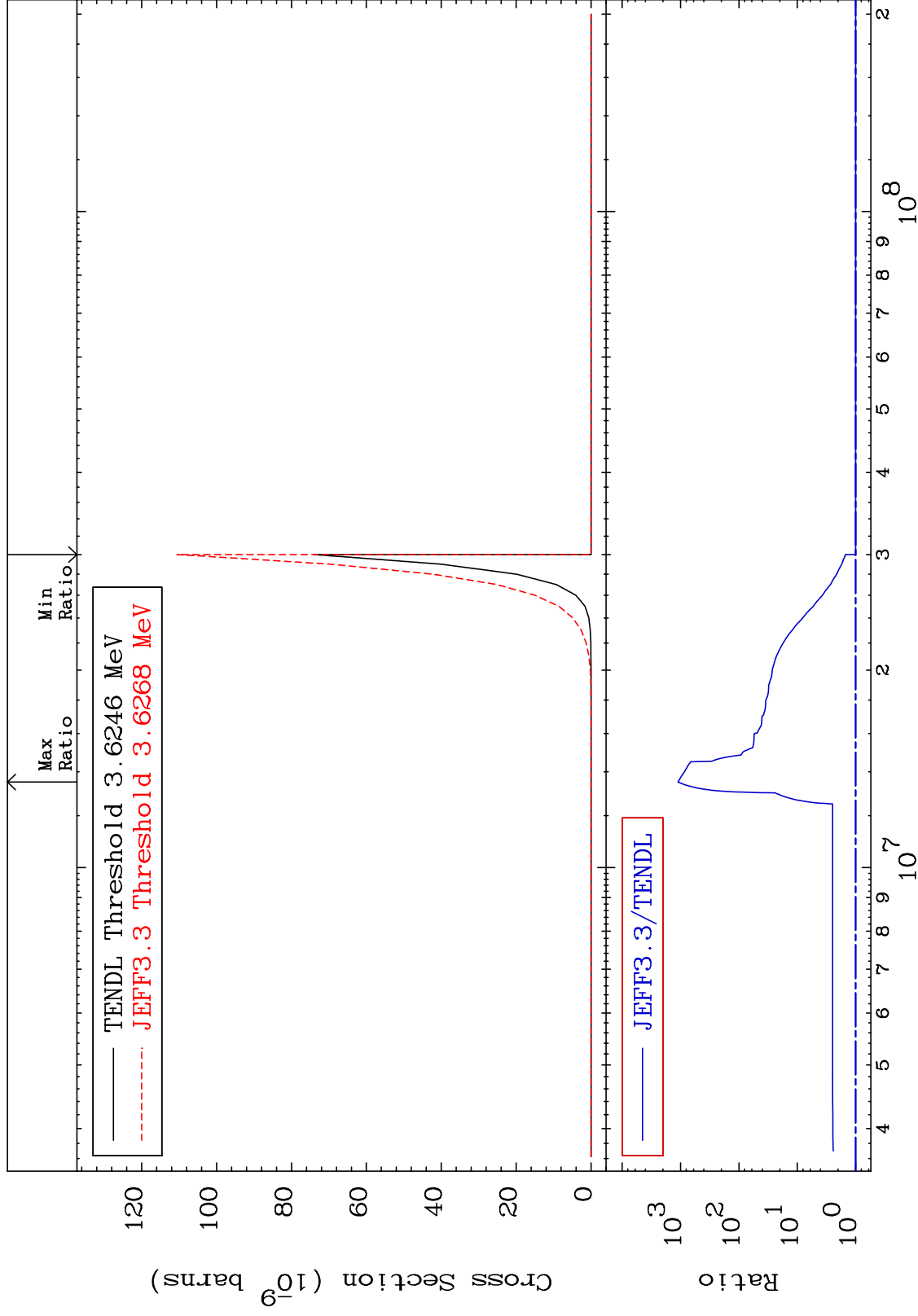
MAT 7119 (n,2n) p 71-Lu-173
 Cross Section -0.793 To 0.000 %



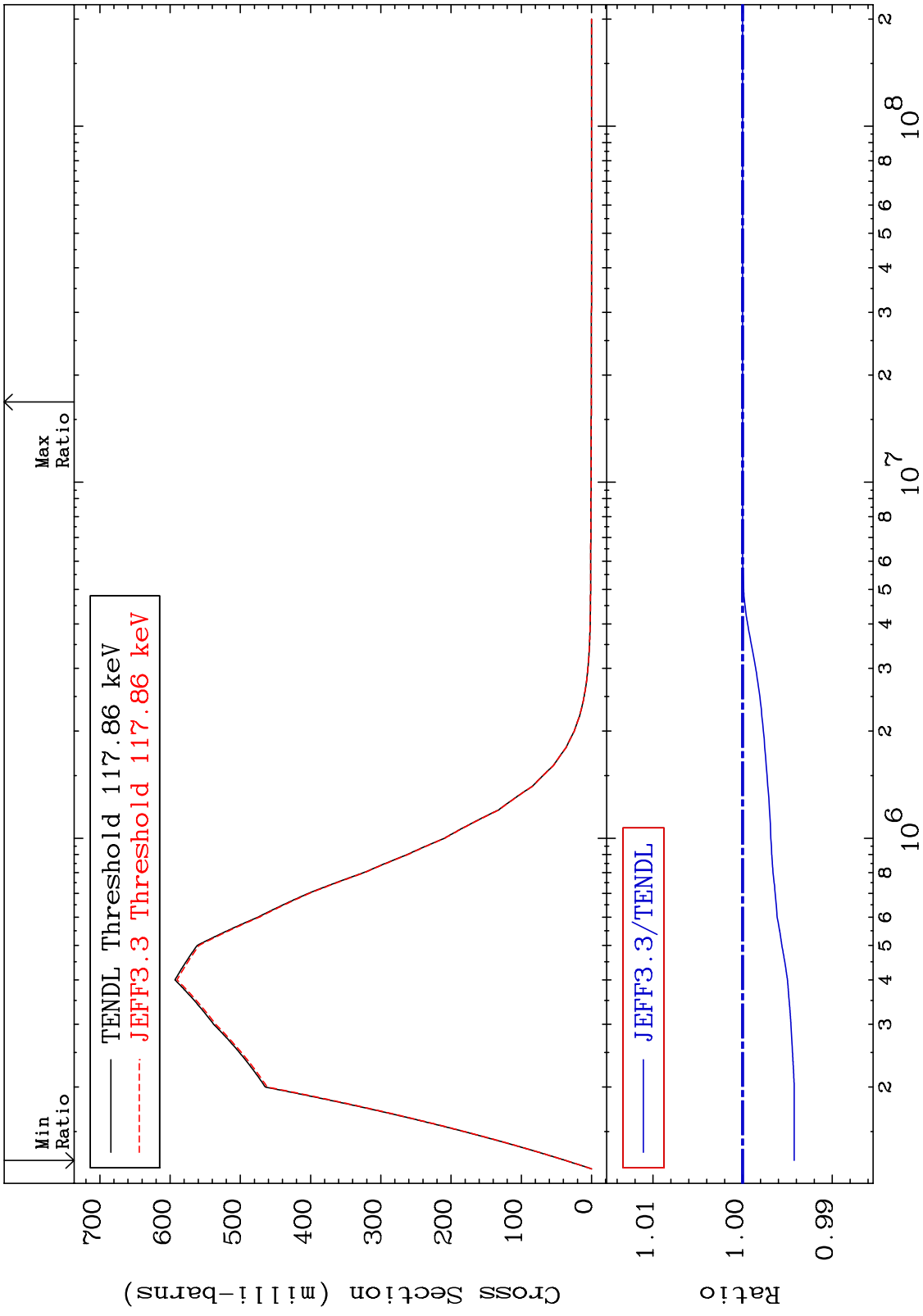
MAT 7119

(n,n') p α
Cross Section

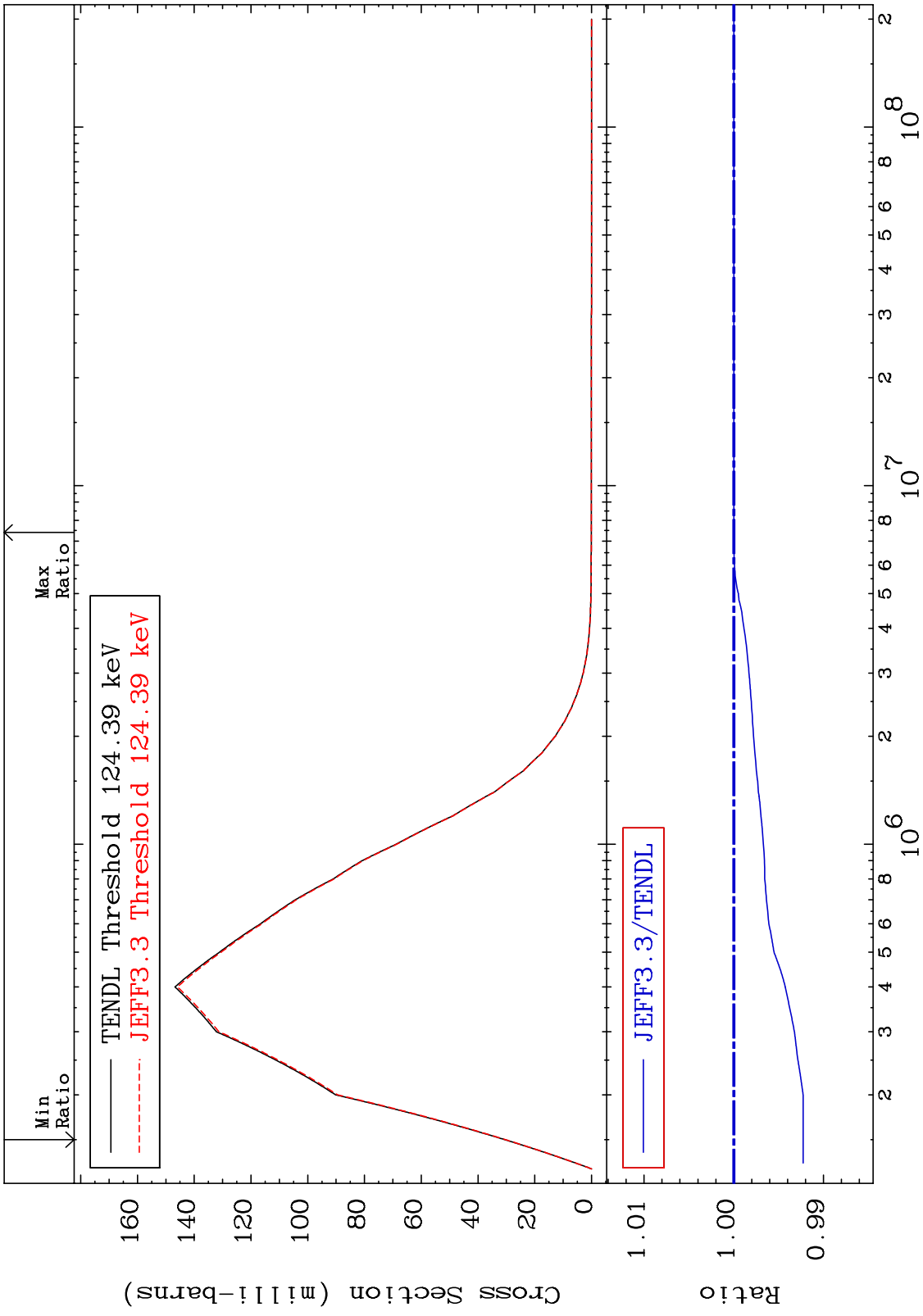
71-Lu-173
To 9999. %
0.000



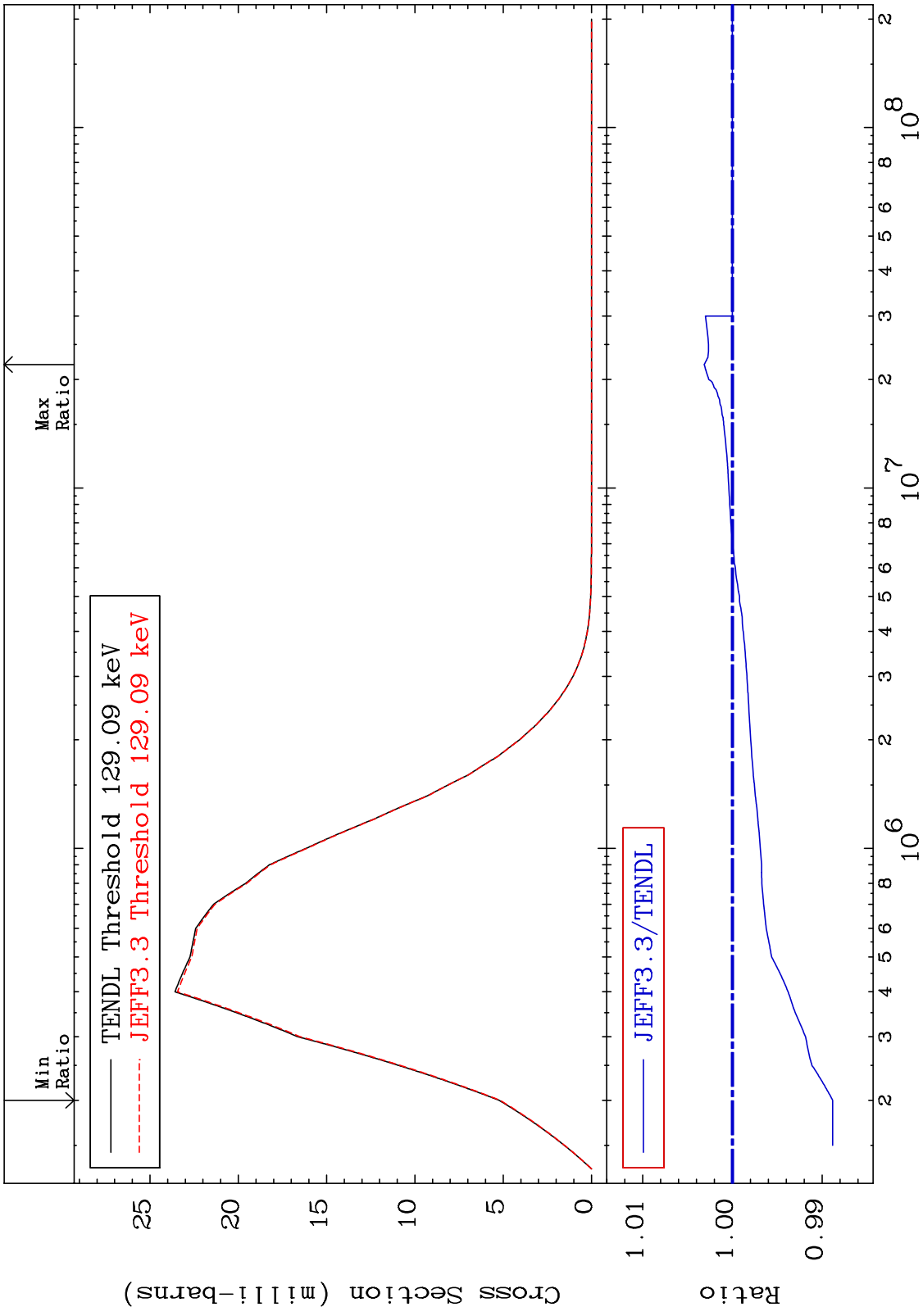
MAT 7119 MT= 51 (n,n') Level Cross Section 71-Lu-173 -0.576 To 0.000 %



MAT 7119 MT= 52 (n,n') Level Cross Section 71-Lu-173
 -0.773 To 0.000 %

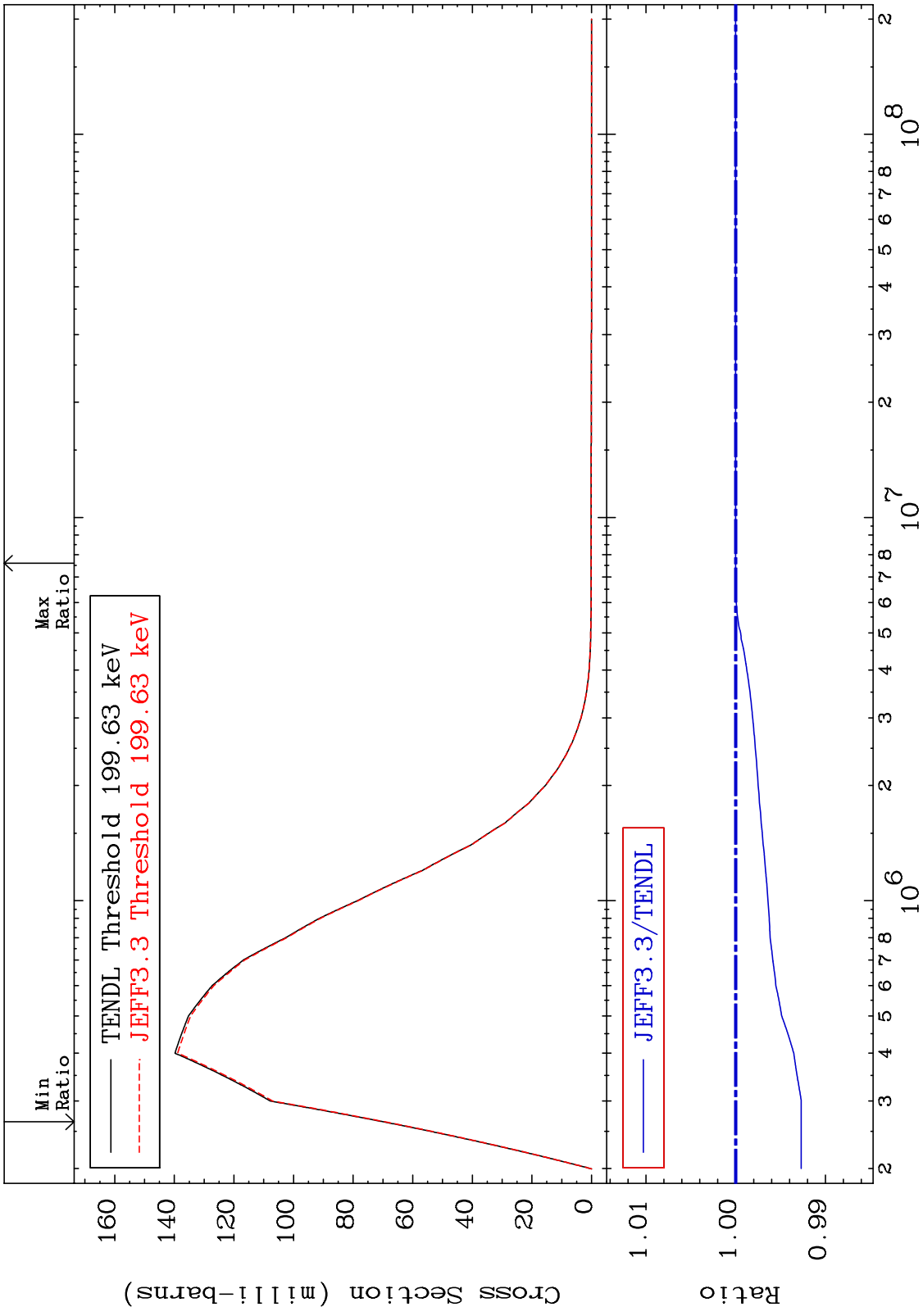


MAT 7119 MT= 53 (n,n') Level Cross Section 71-Lu-173
 -1.117 To 0.314 %

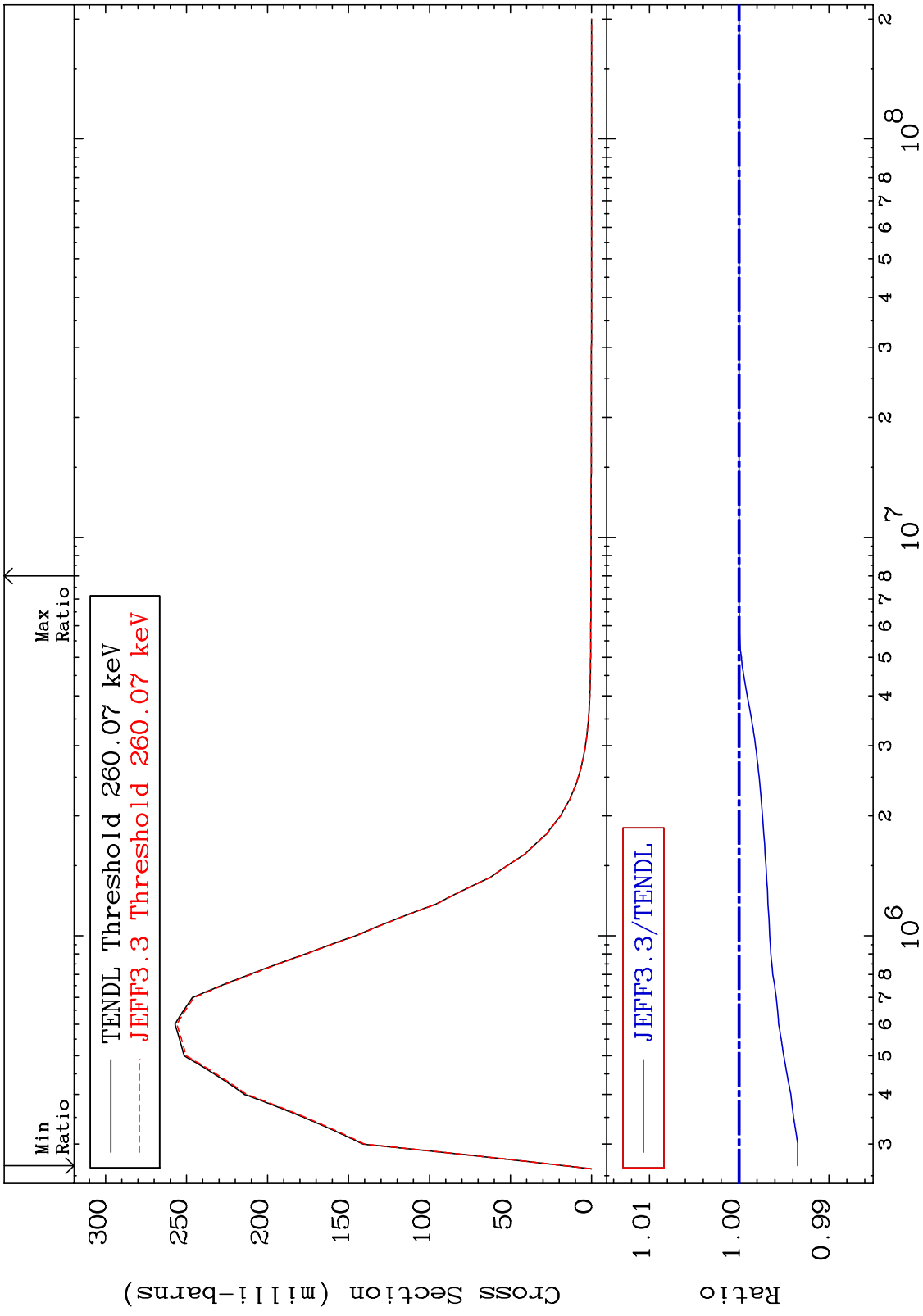


Incident Energy (eV) 71-Lu-173

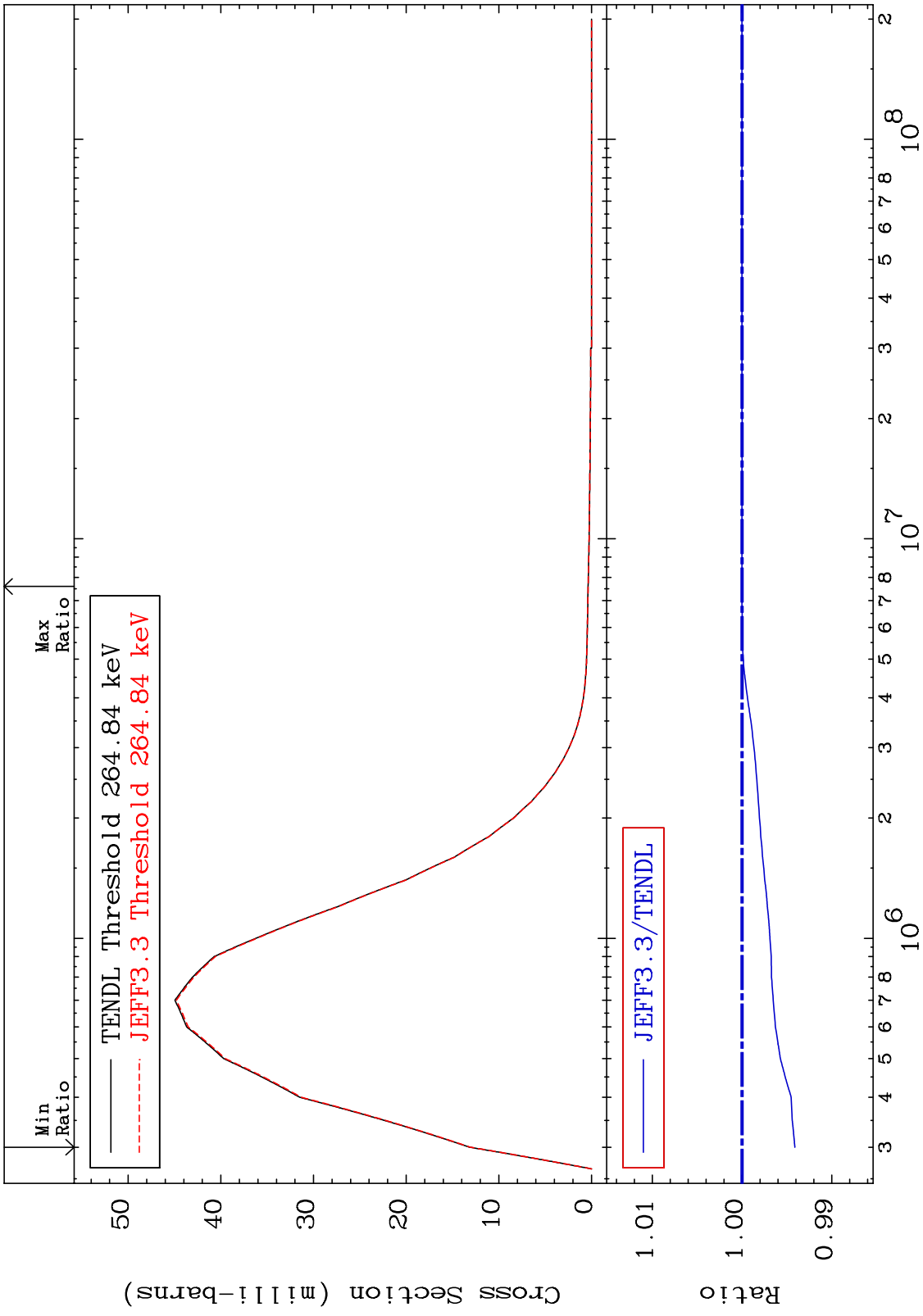
MAT 7119 MT= 54 (n,n') Level Cross Section -0.731 To 0.000 % 71-Lu-173



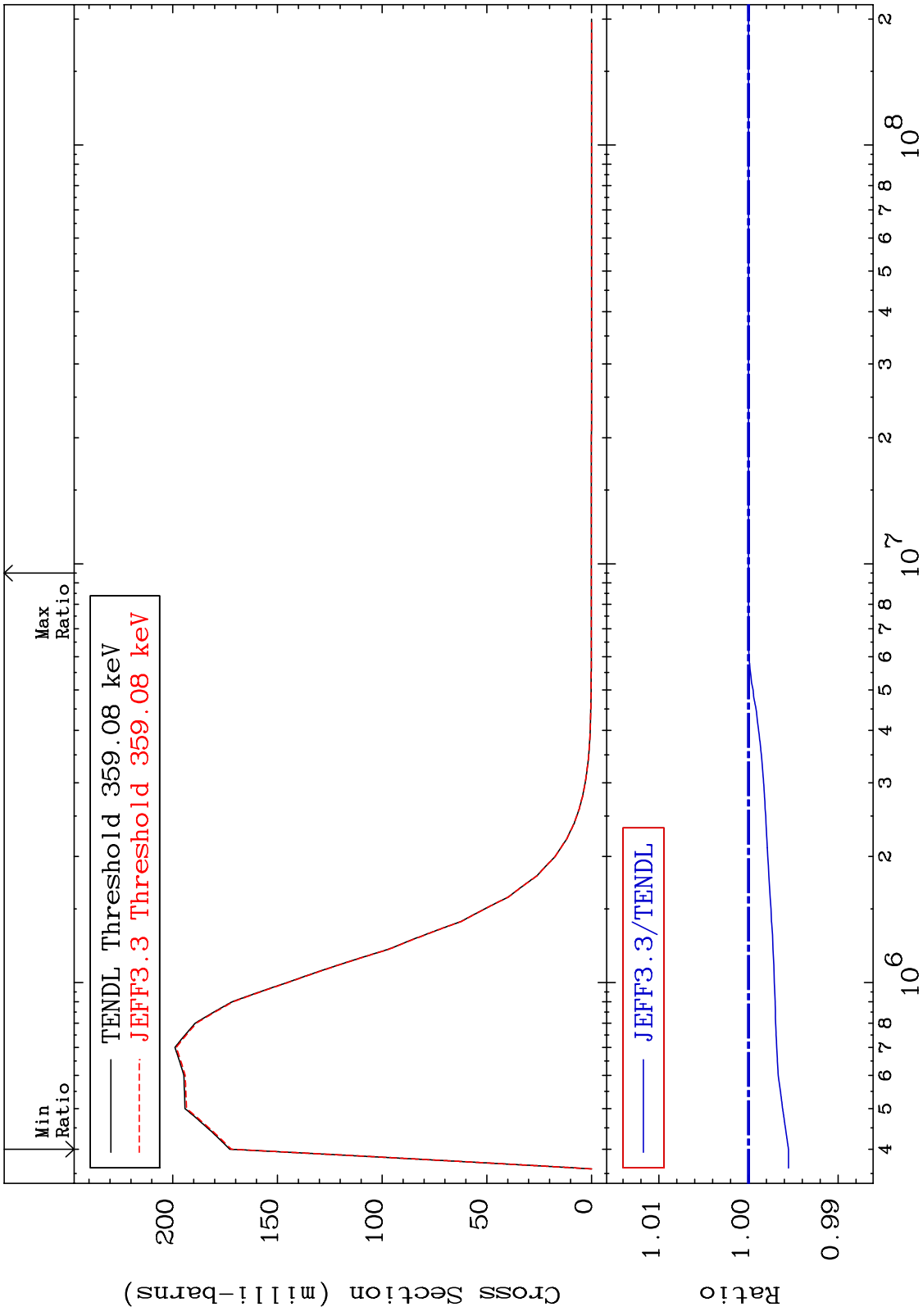
MAT 7119 MT= 55 (n,n') Level Cross Section 71-Lu-173
 -0.654 To 0.000 %



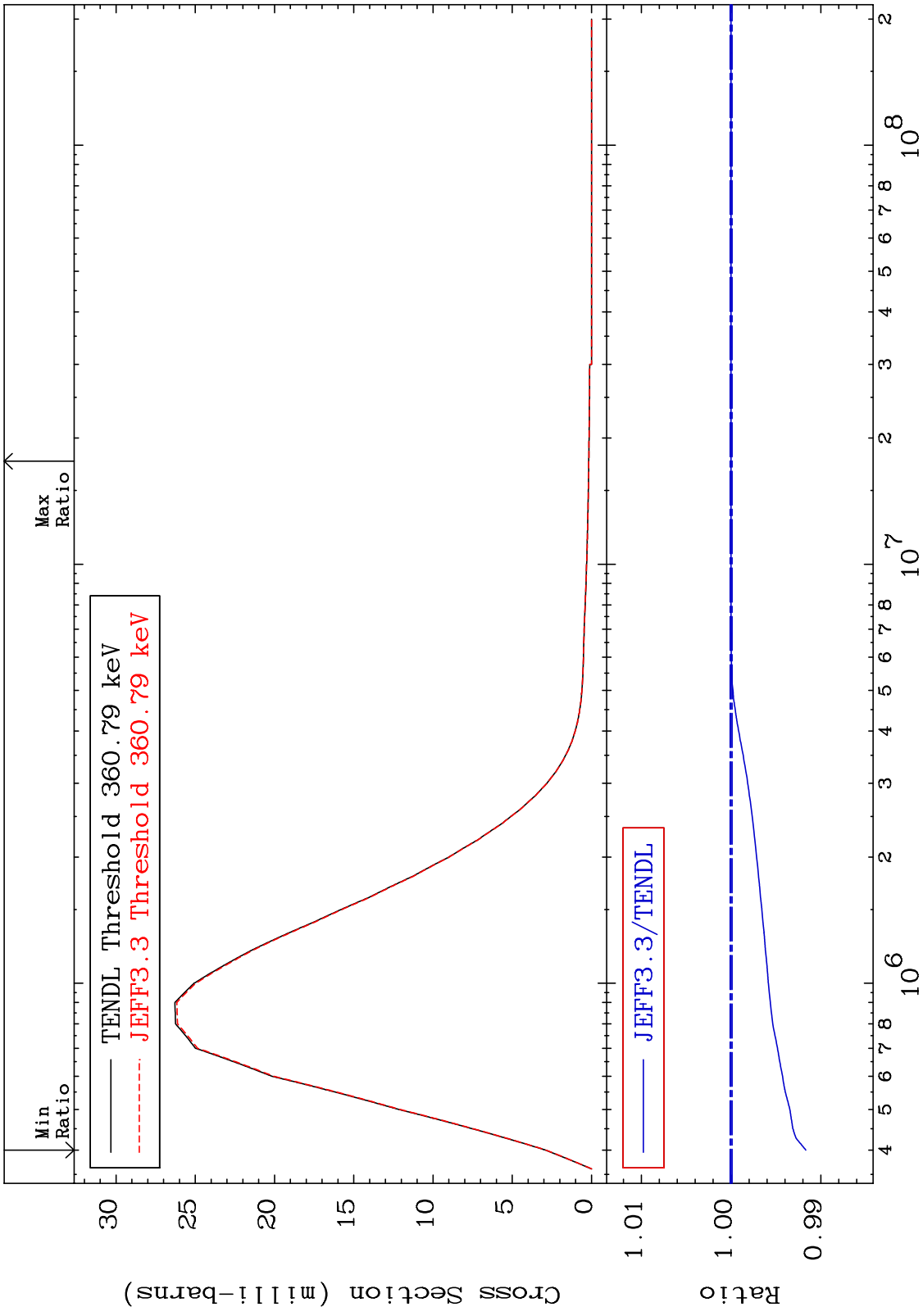
MAT 7119 MT= 56 (n,n') Level Cross Section 71-Lu-173
 -0.589 To 0.000 %



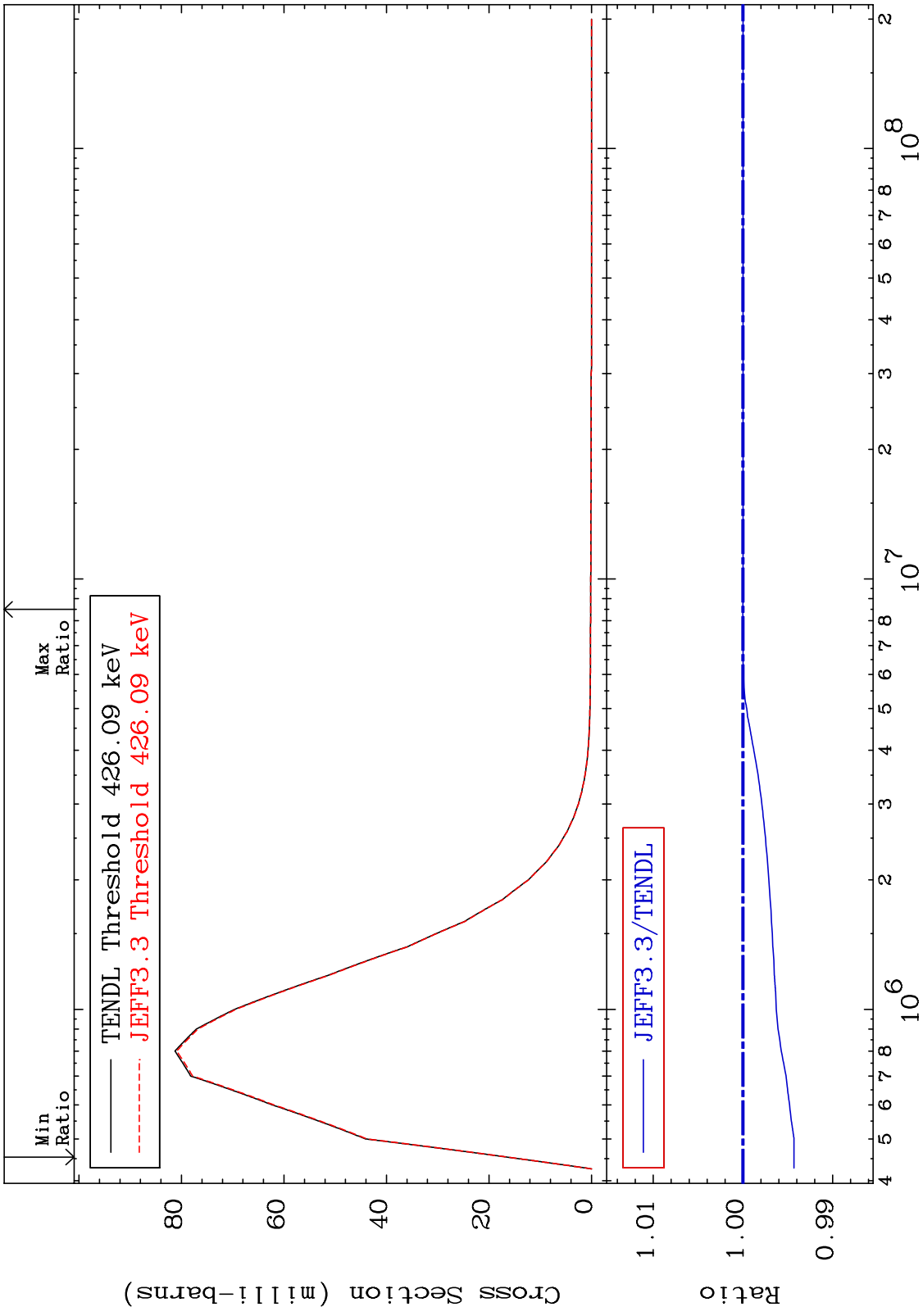
MAT 7119 MT= 57 (n,n') Level Cross Section 71-Lu-173
 -0.447 To 0.000 %



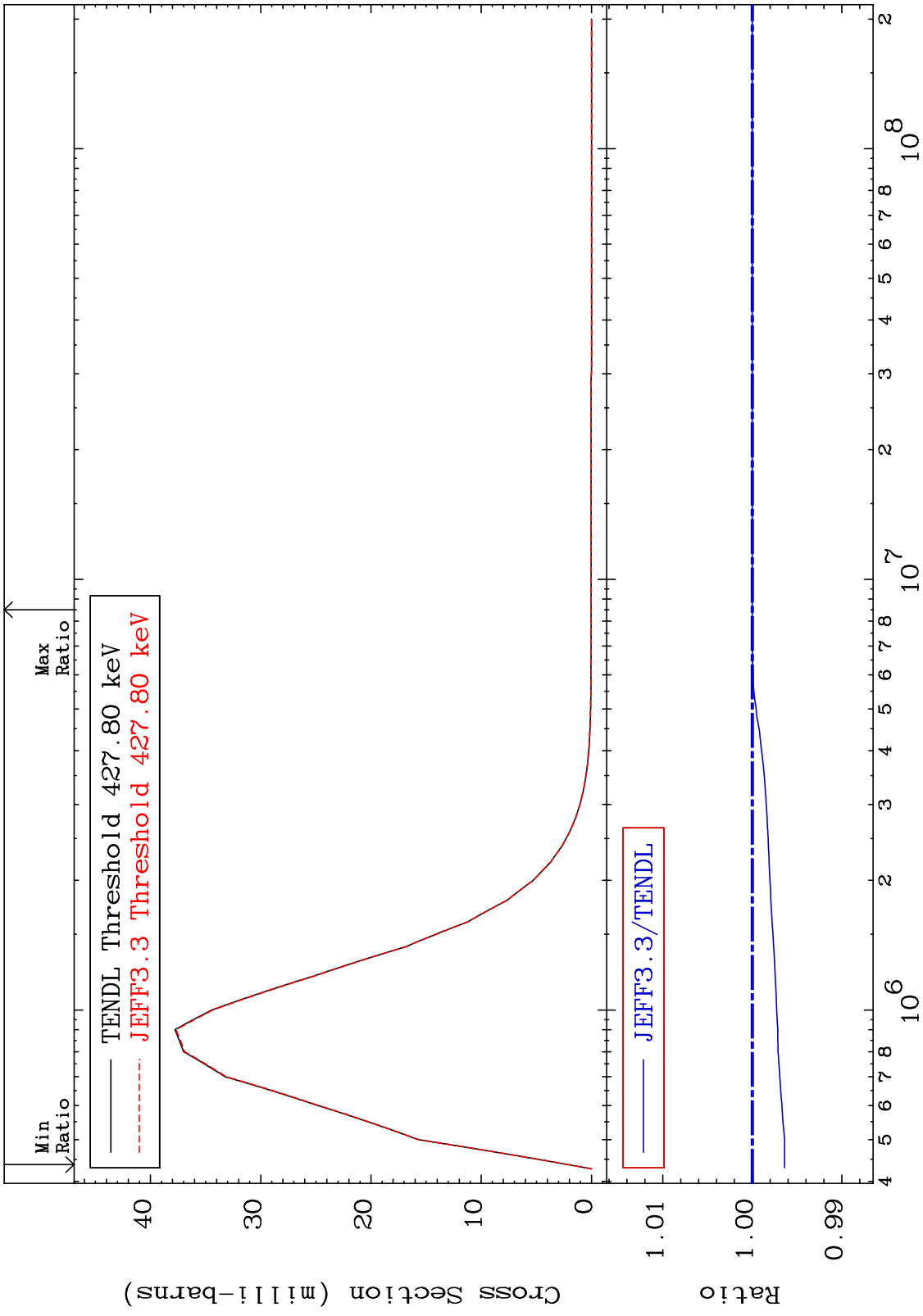
MAT 7119 MT= 58 (n,n') Level Cross Section 71-Lu-173 -0.832 To 0.000 %



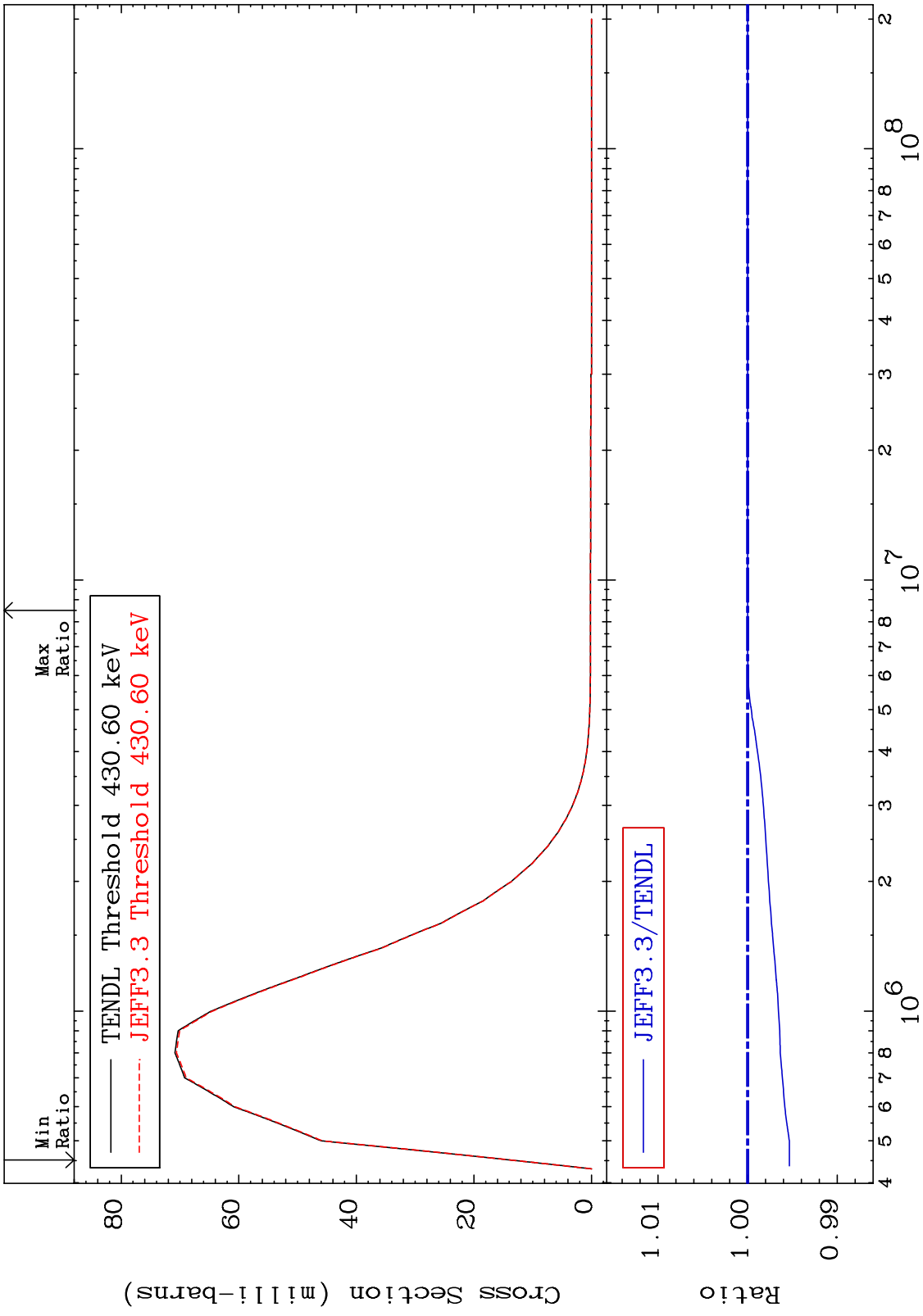
MAT 7119 MT= 59 (n,n') Level Cross Section 71-Lu-173
 -0.570 To 0.000 %



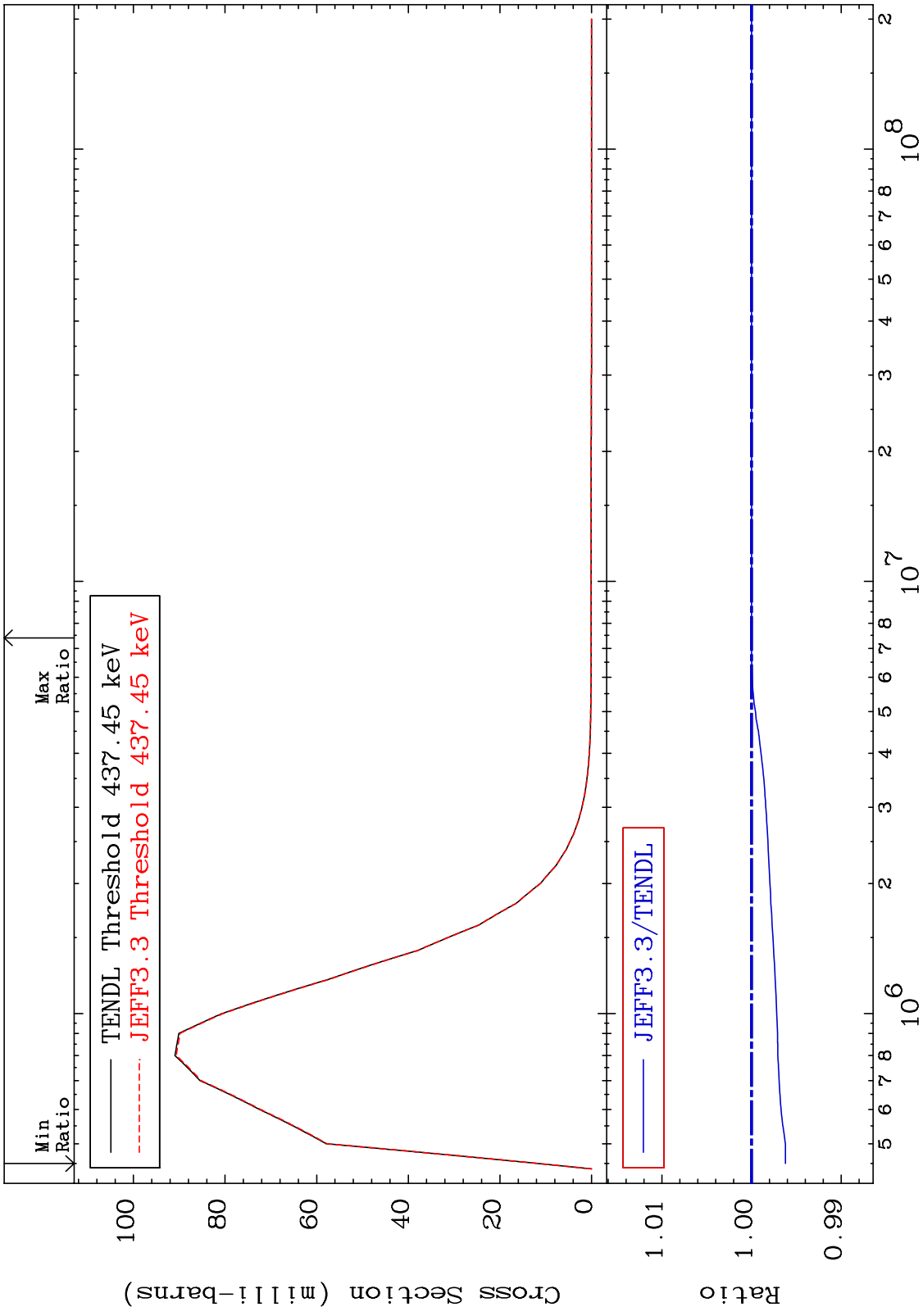
MAT 7119 MT= 60 (n,n') Level Cross Section 71-Lu-173
 -0.361 To 0.000 %



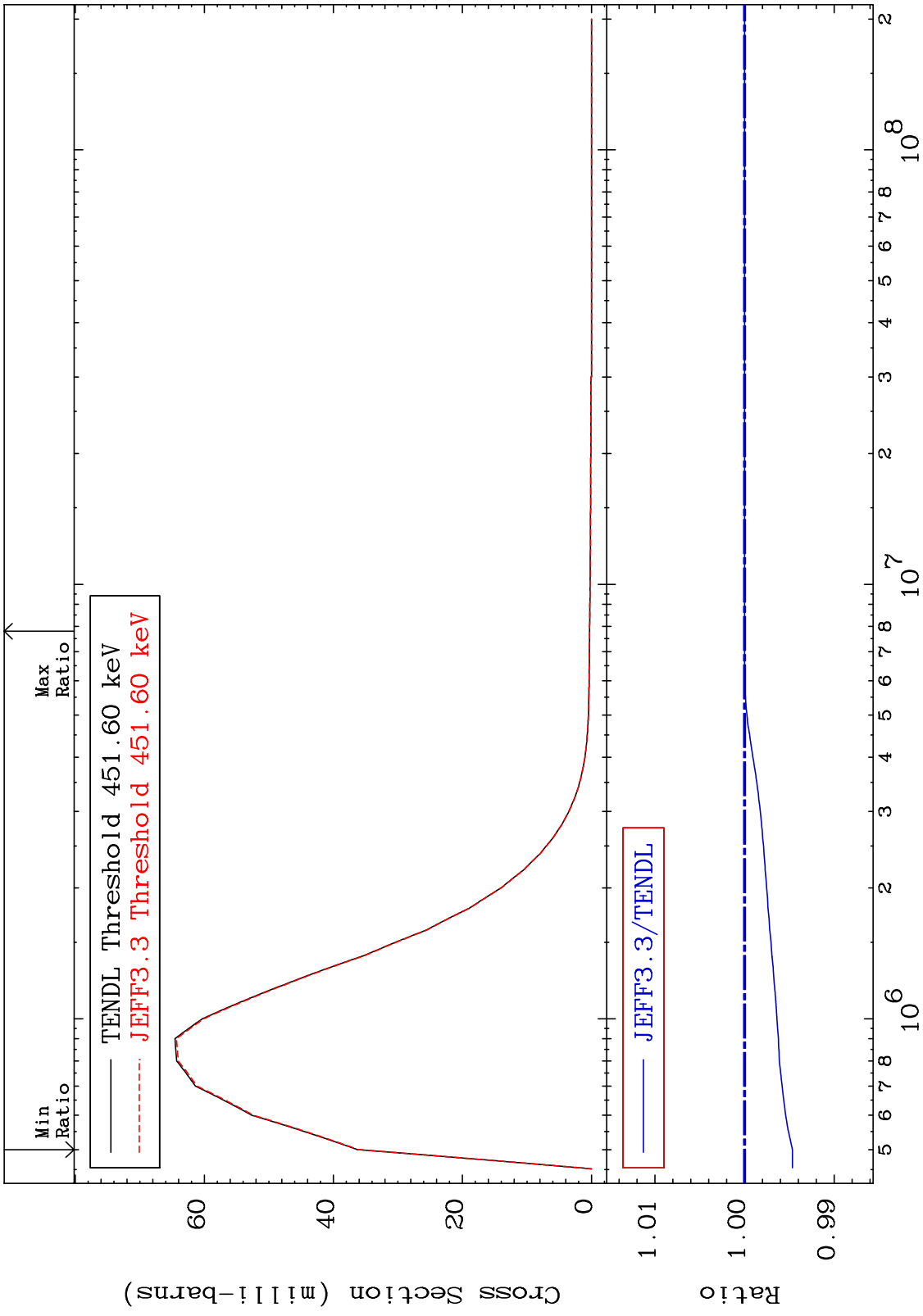
MAT 7119 MT= 61 (n,n') Level Cross Section 71-Lu-173
 -0.465 To 0.000 %



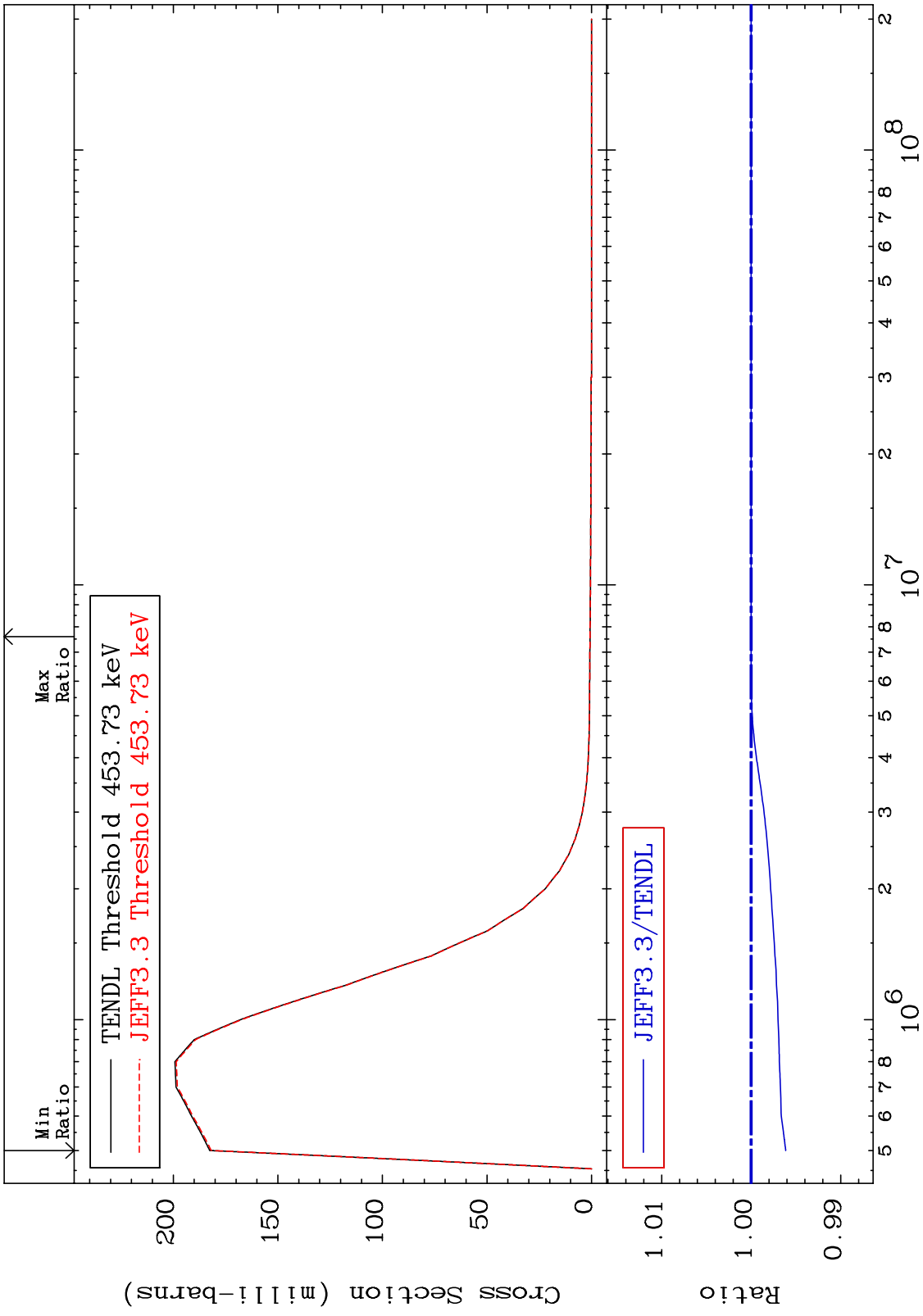
MAT 7119 MT= 62 (n,n') Level Cross Section 71-Lu-173
 -0.378 To 0.000 %



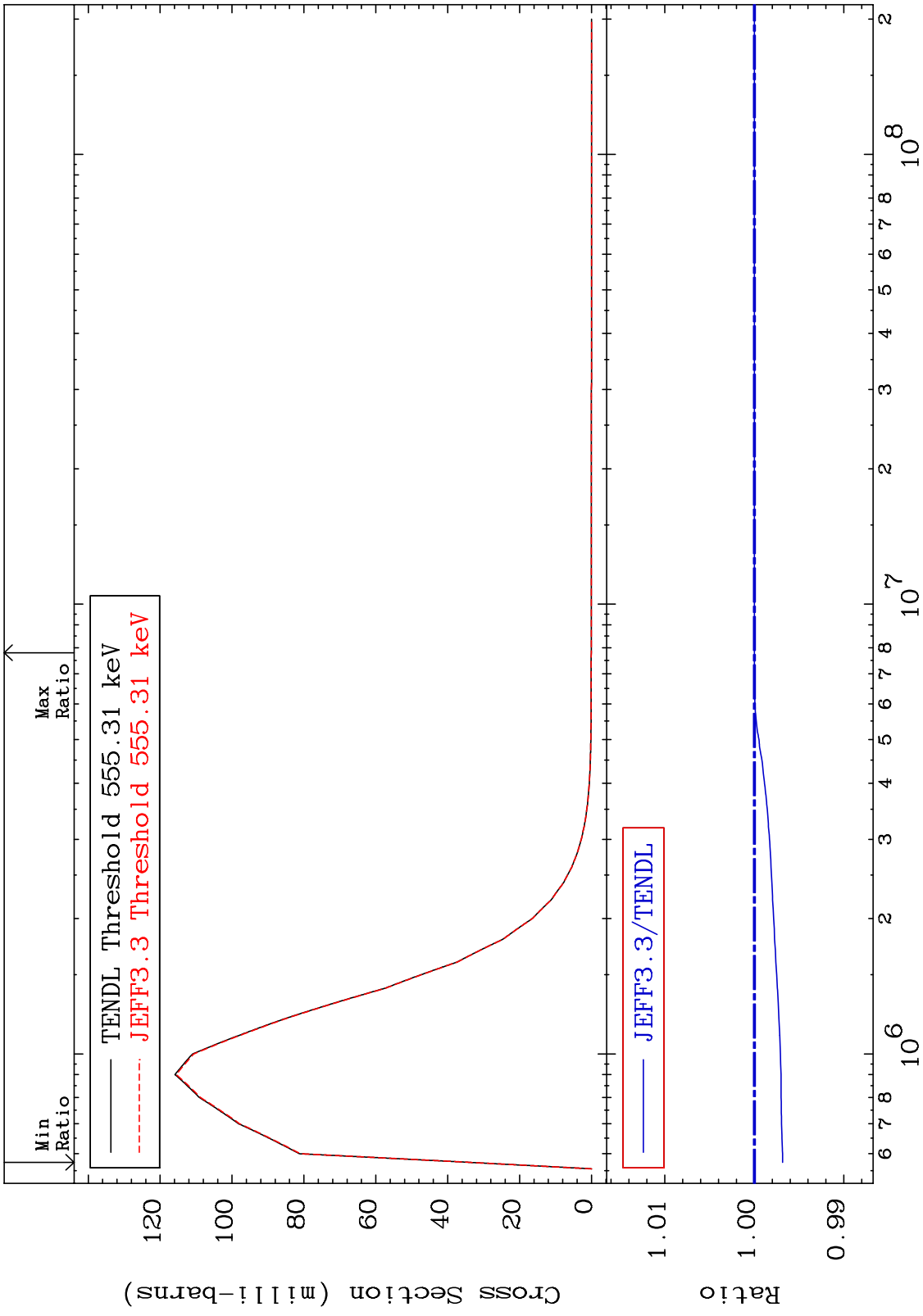
MAT 7119 MT= 63 (n,n') Level Cross Section 71-Lu-173
 -0.534 To 0.000 %



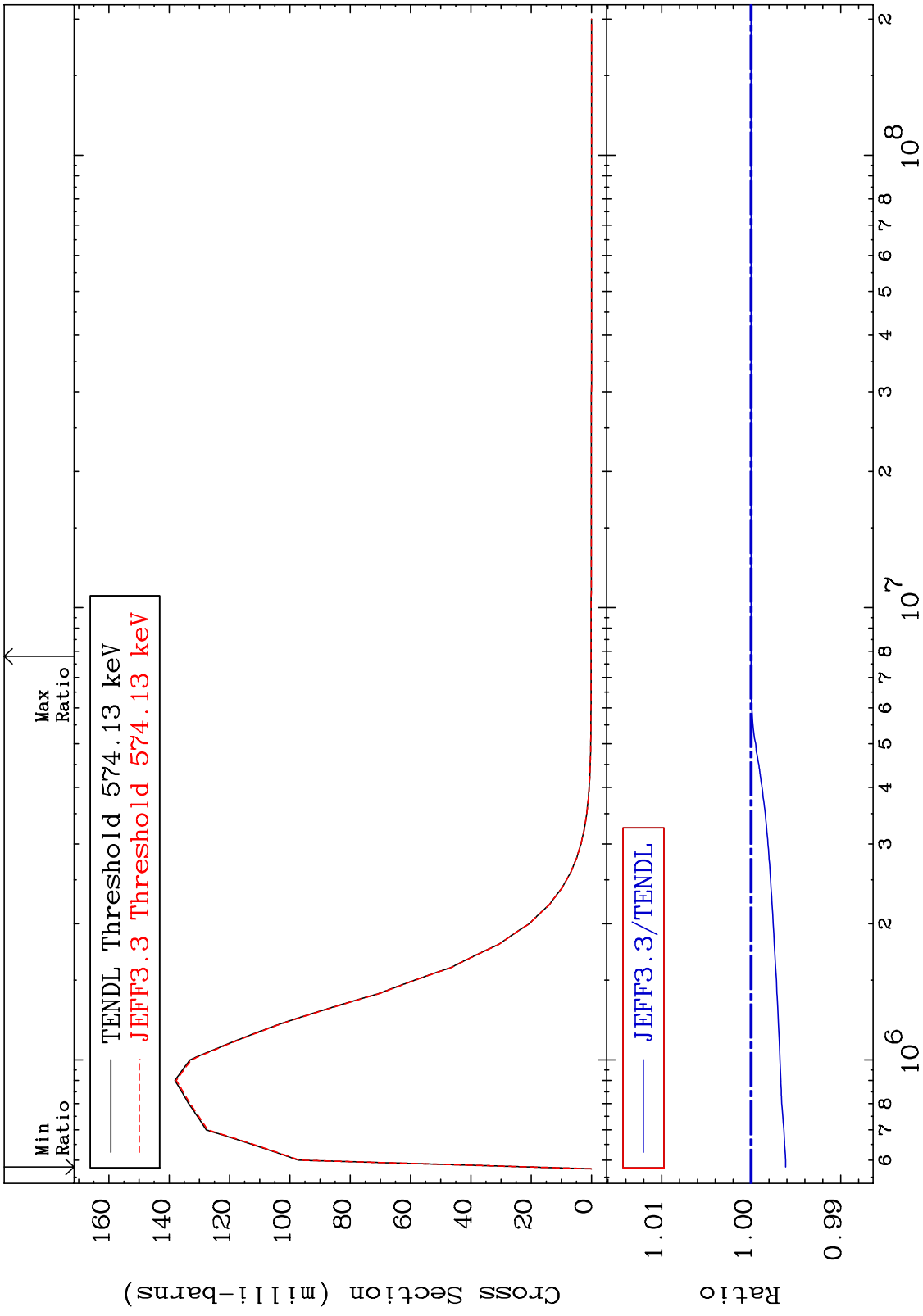
MAT 7119 MT= 64 (n,n') Level Cross Section 71-Lu-173
 -0.386 To 0.000 %



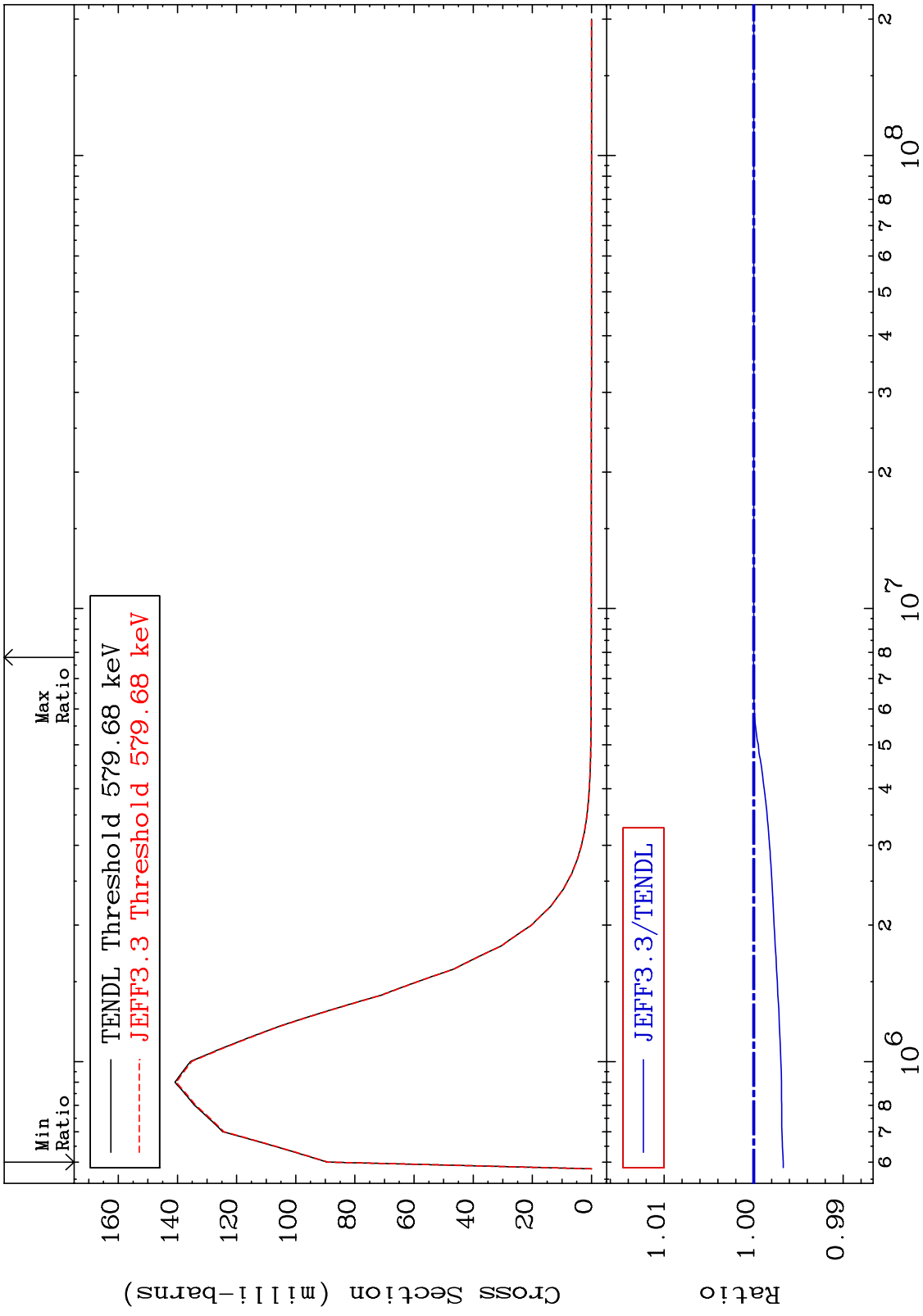
MAT 7119 MT= 65 (n,n') Level Cross Section 71-Lu-173
 -0.316 To 0.000 %



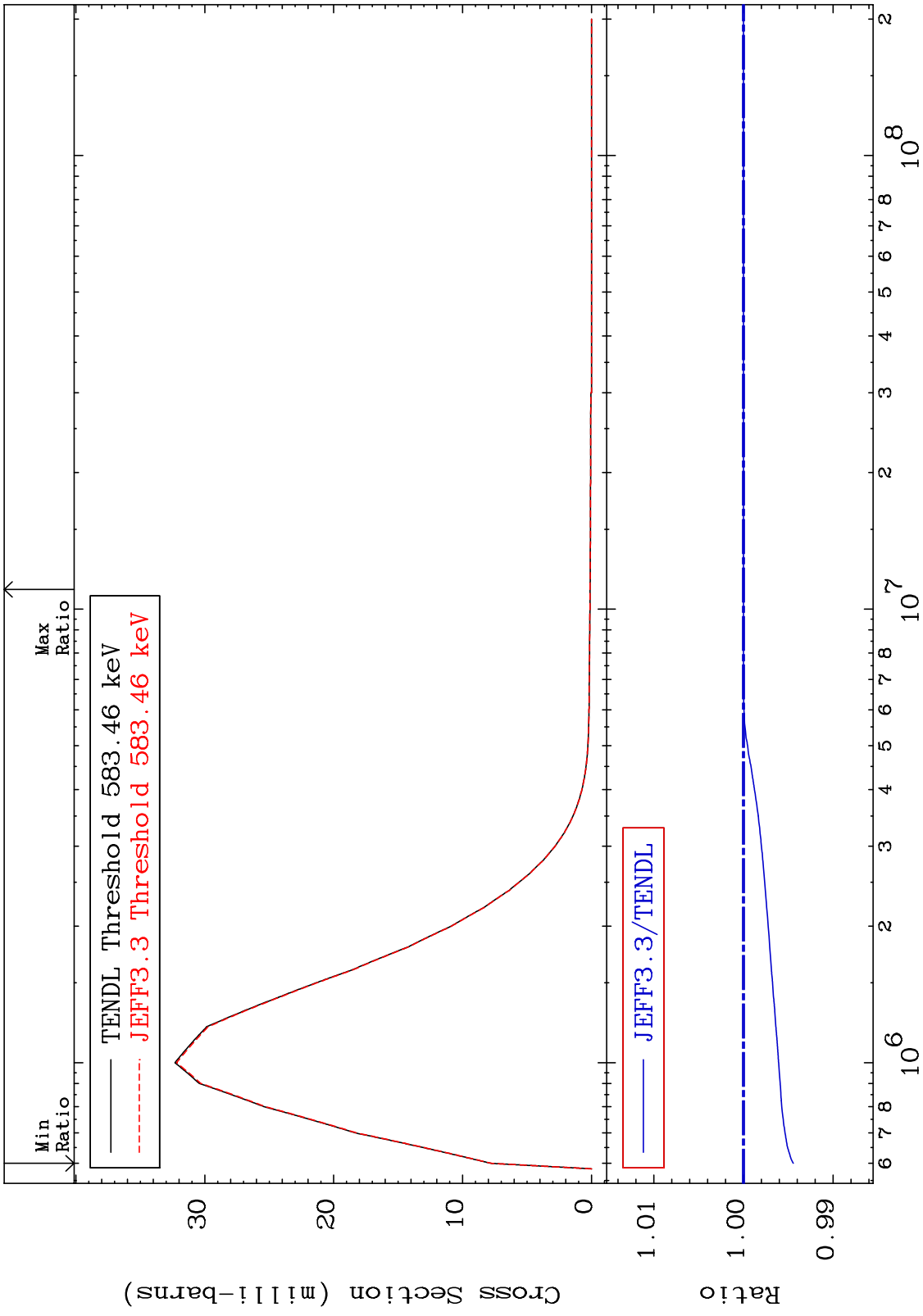
MAT 7119 MT= 66 (n,n') Level Cross Section 71-Lu-173
 -0.386 To 0.000 %



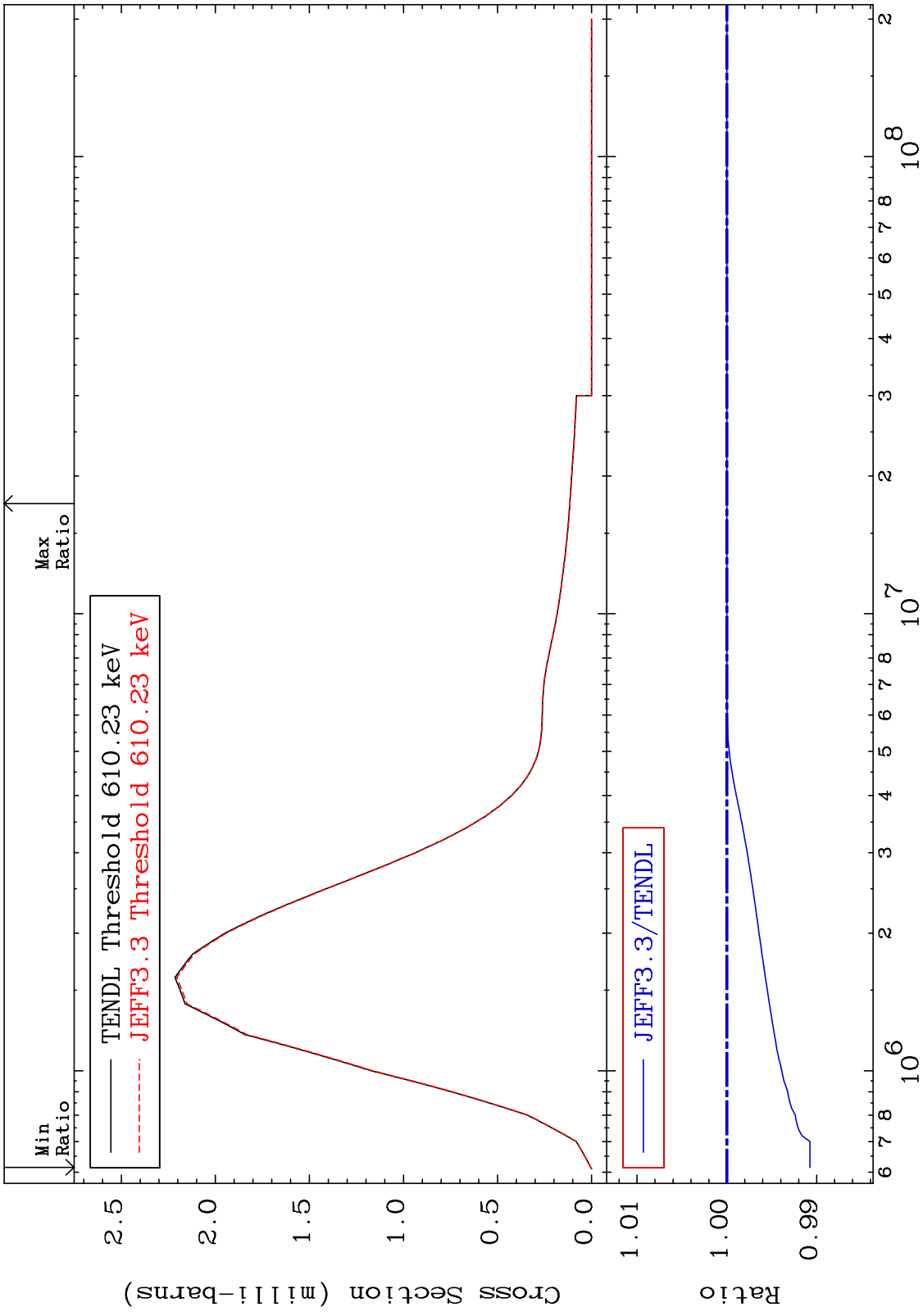
MAT 7119 MT= 67 (n,n') Level Cross Section 71-Lu-173
 -0.331 To 0.000 %



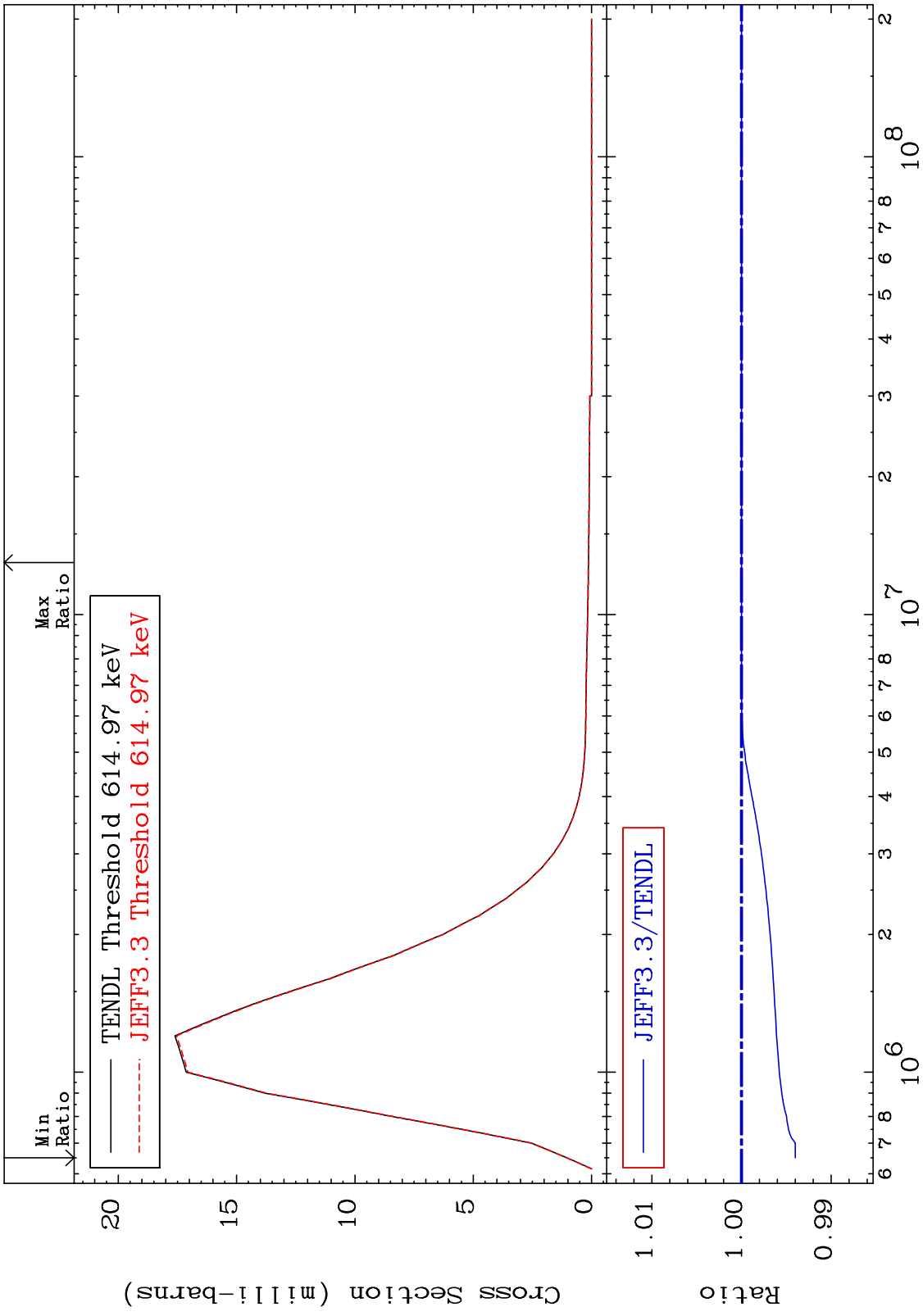
MAT 7119 MT= 68 (n,n') Level Cross Section 71-Lu-173 -0.556 To 0.000 %



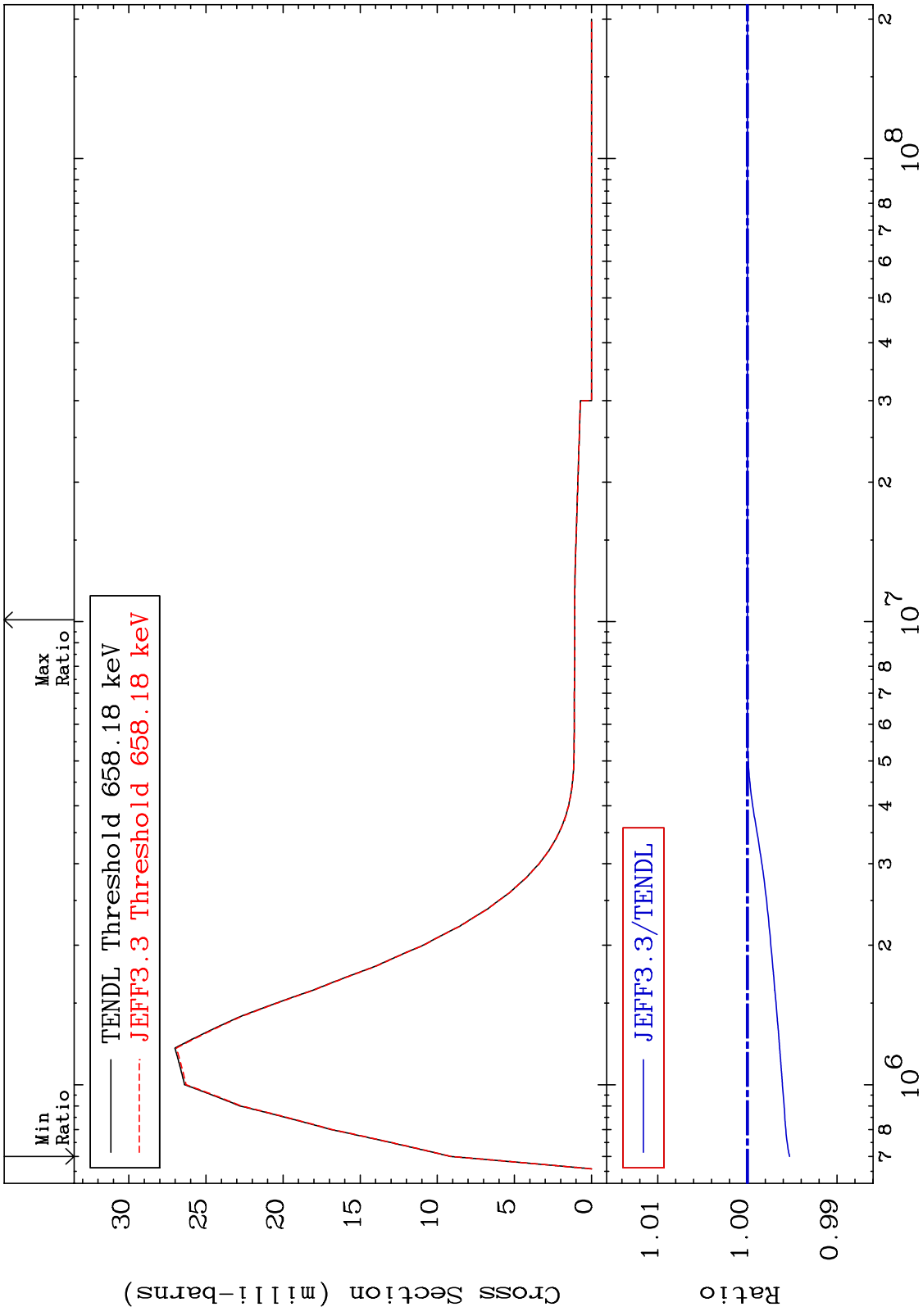
MAT 7119 MT= 69 (n,n') Level Cross Section 71-Lu-173 -0.926 To 0.000 %



MAT 7119 MT= 70 (n,n') Level Cross Section 71-Lu-173 -0.600 To 0.000 %

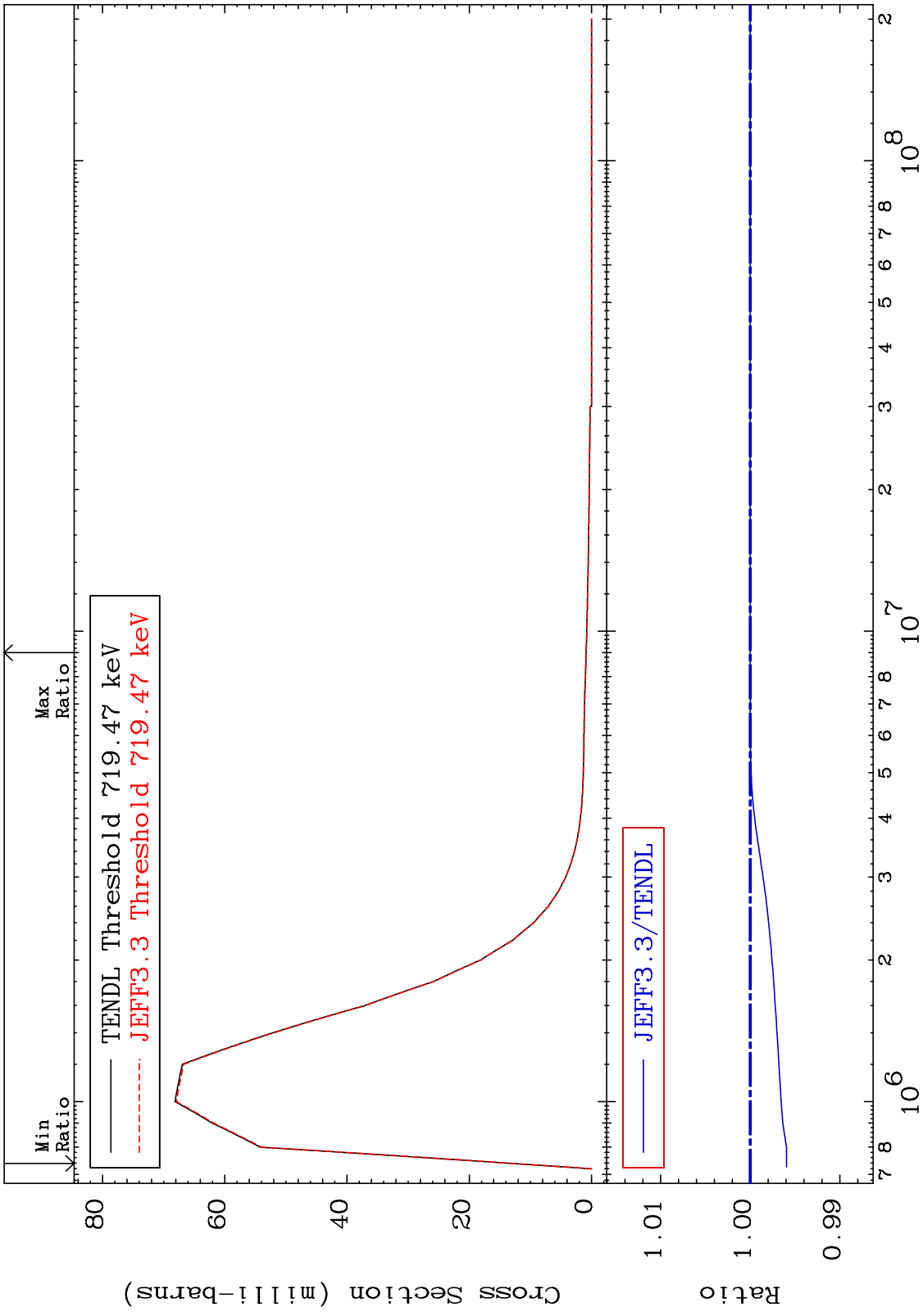


MAT 7119 MT= 71 (n,n') Level Cross Section 71-Lu-173 -0.471 To 0.000 %

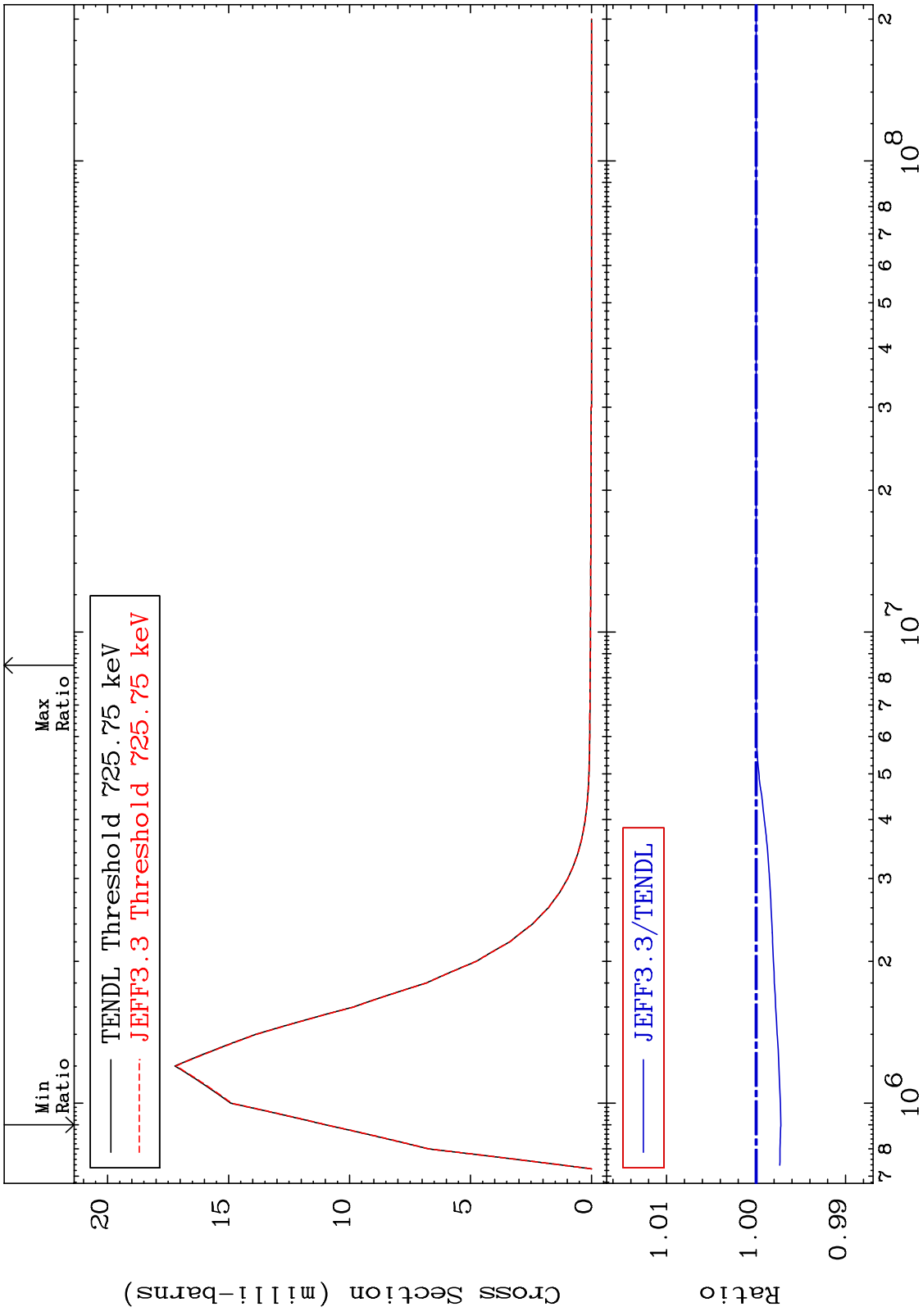


40 71-Lu-173

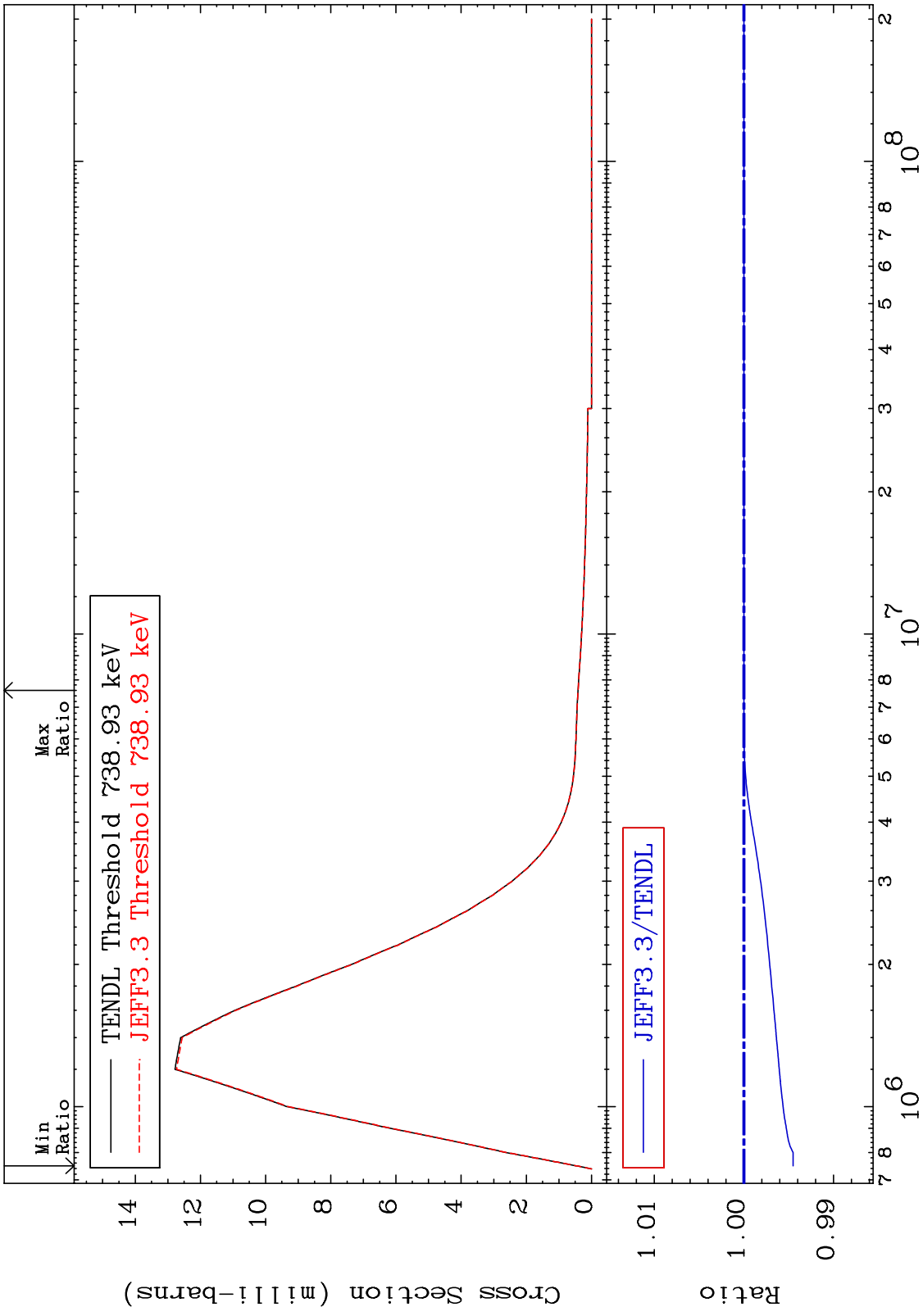
MAT 7119 MT= 72 (n,n') Level Cross Section 71-Lu-173
 -0.405 To 0.000 %



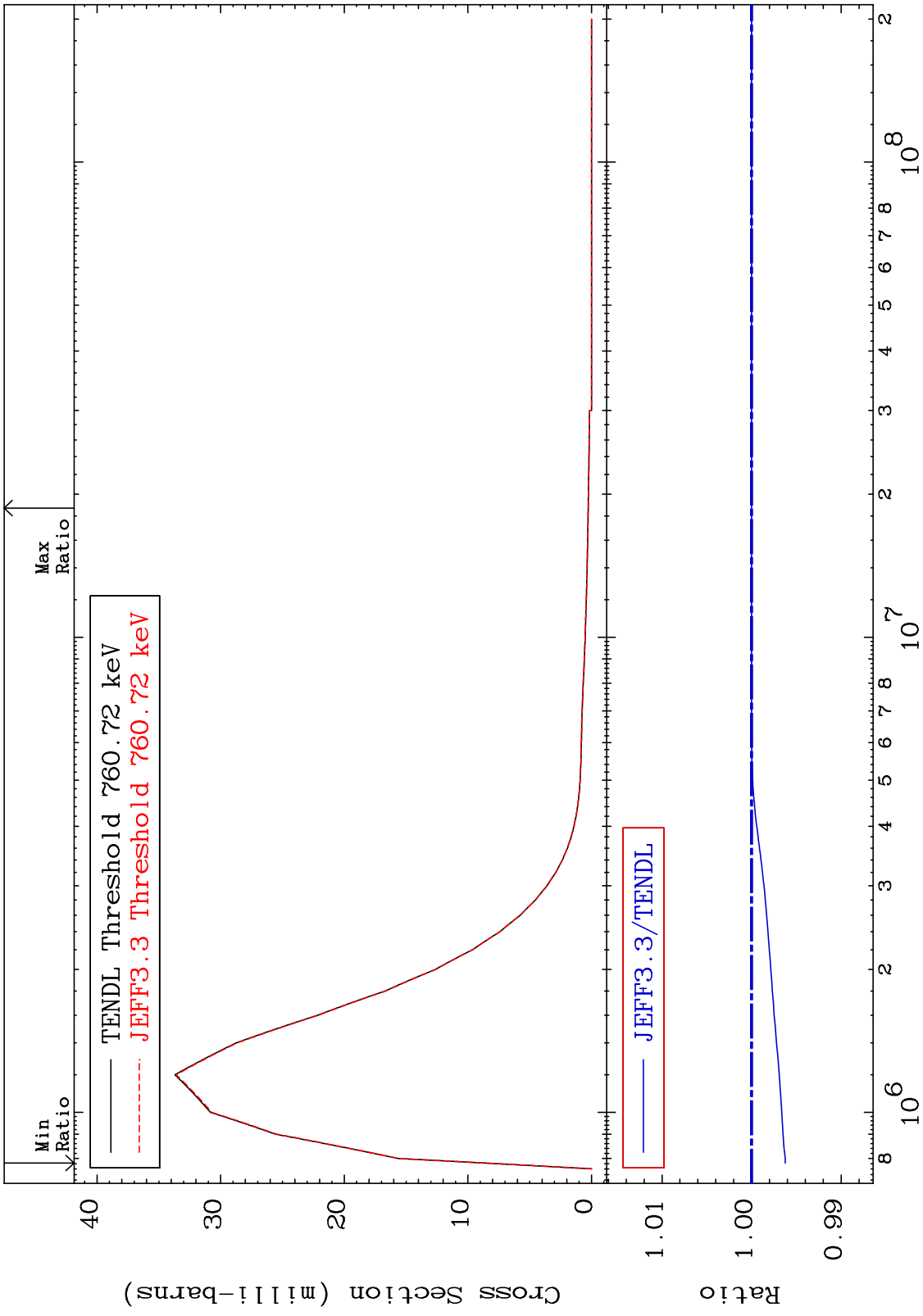
MAT 7119 MT= 73 (n,n') Level Cross Section 71-Lu-173
 -0.276 To 0.000 %



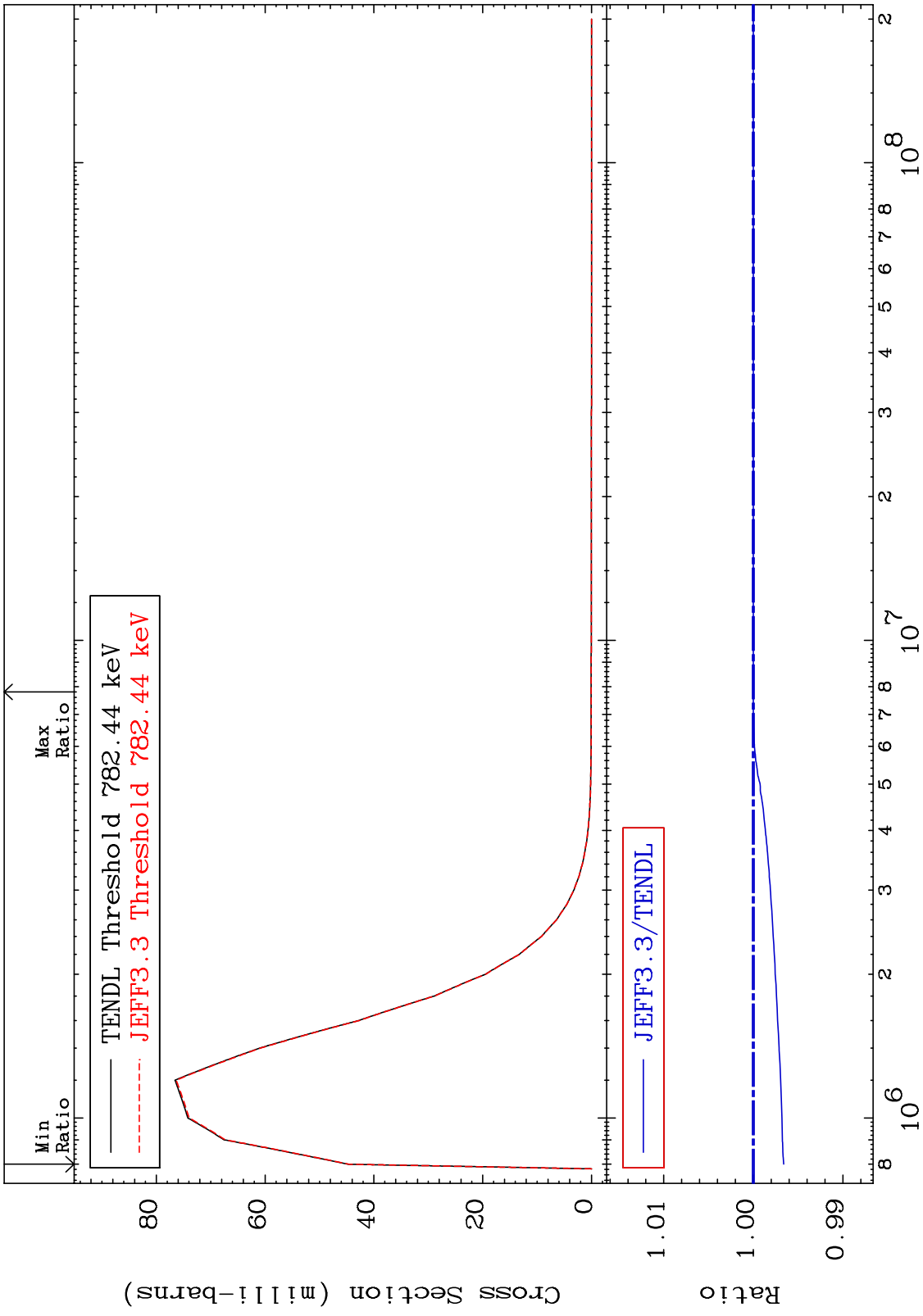
MAT 7119 MT= 74 (n,n') Level Cross Section 71-Lu-173 -0.548 To 0.000 %



MAT 7119 MT= 75 (n,n') Level Cross Section 71-Lu-173 -0.376 To 0.000 %



MAT 7119 MT= 76 (n,n') Level Cross Section 71-Lu-173
 -0.338 To 0.000 %

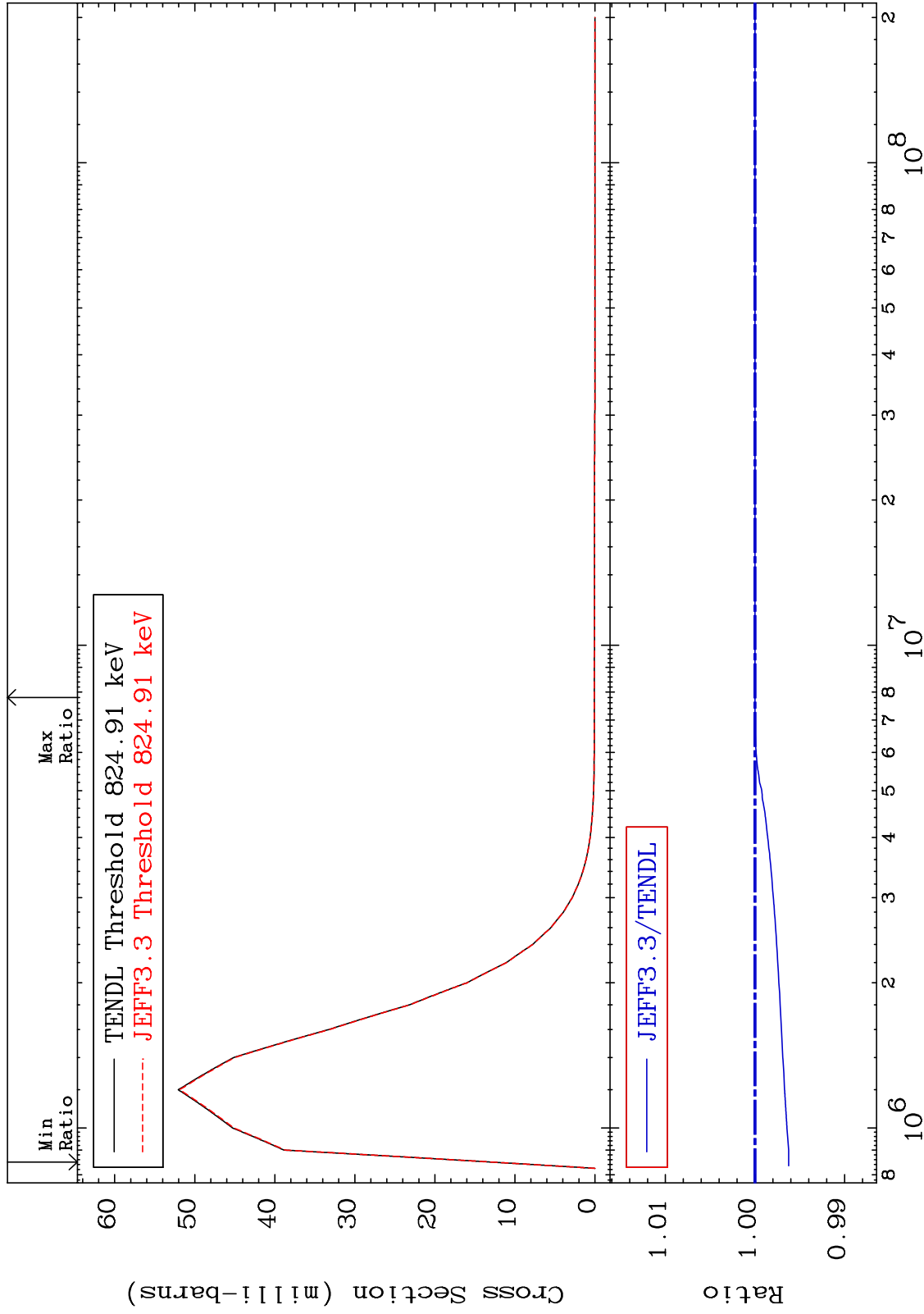


45 71-Lu-173

MAT 7119

MT= 77 (n,n') Level
Cross Section

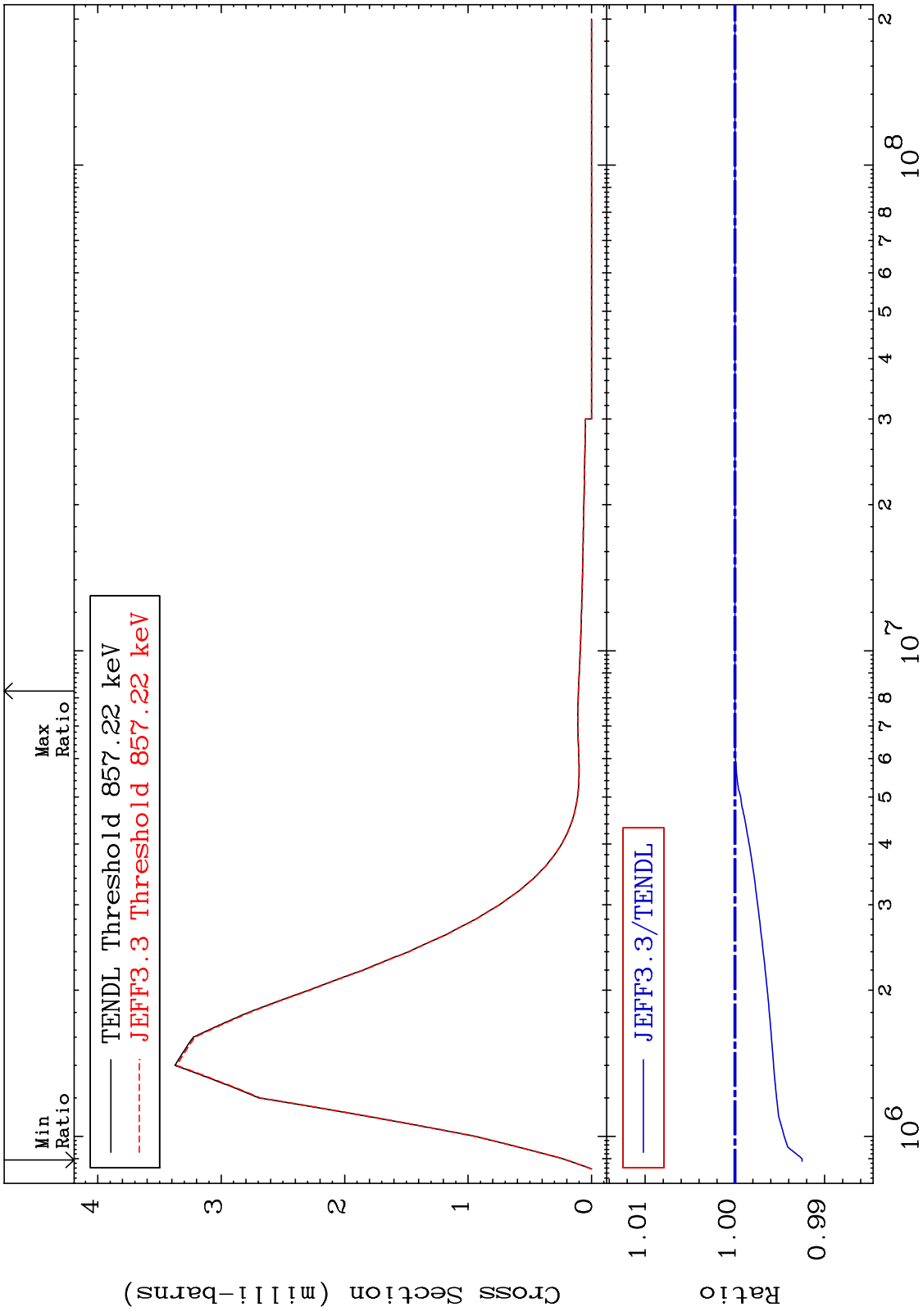
71-Lu-173
-0.377 To 0.000 %



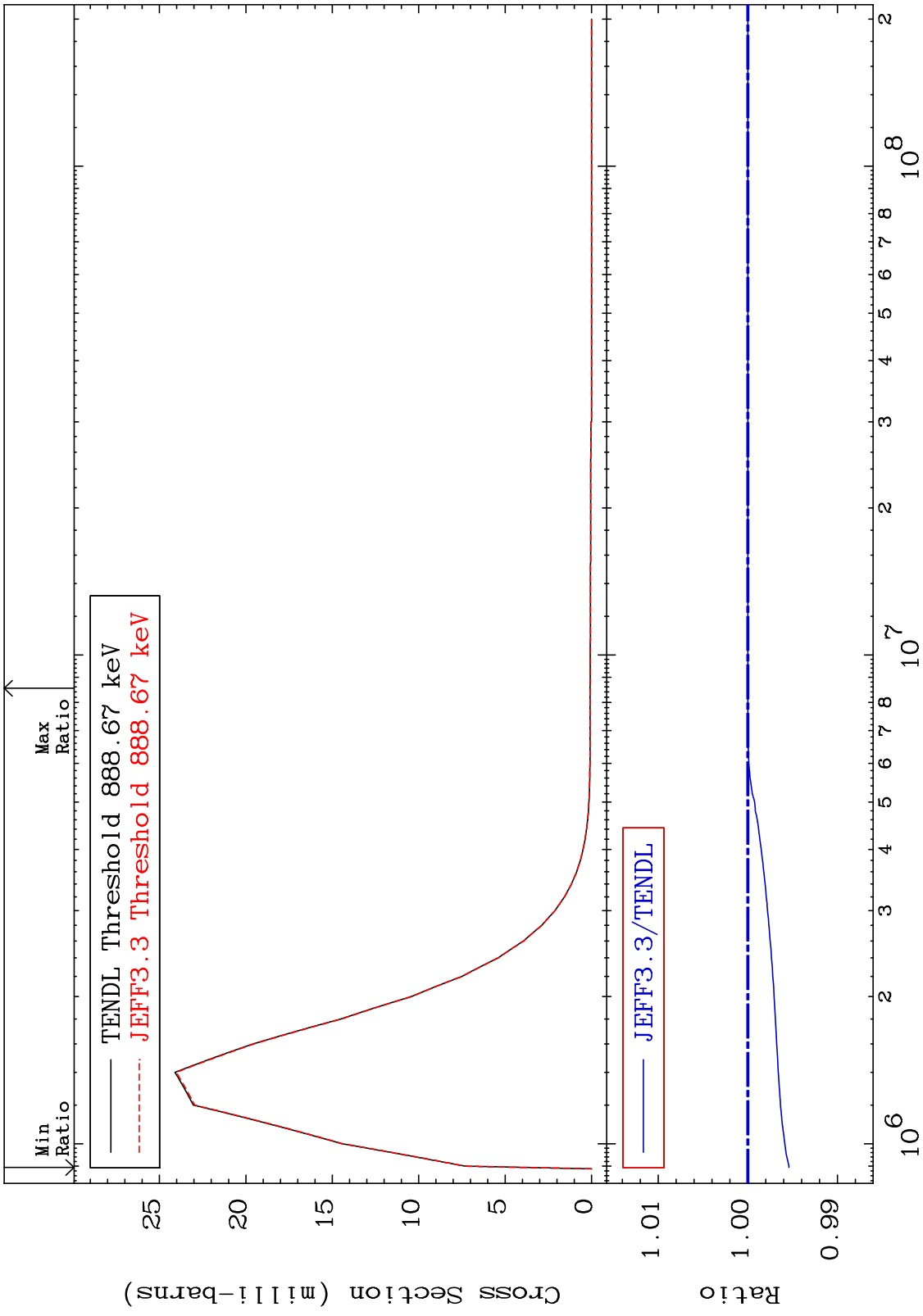
46

71-Lu-173

MAT 7119 MT= 78 (n,n') Level Cross Section 71-Lu-173 -0.747 To 0.000 %

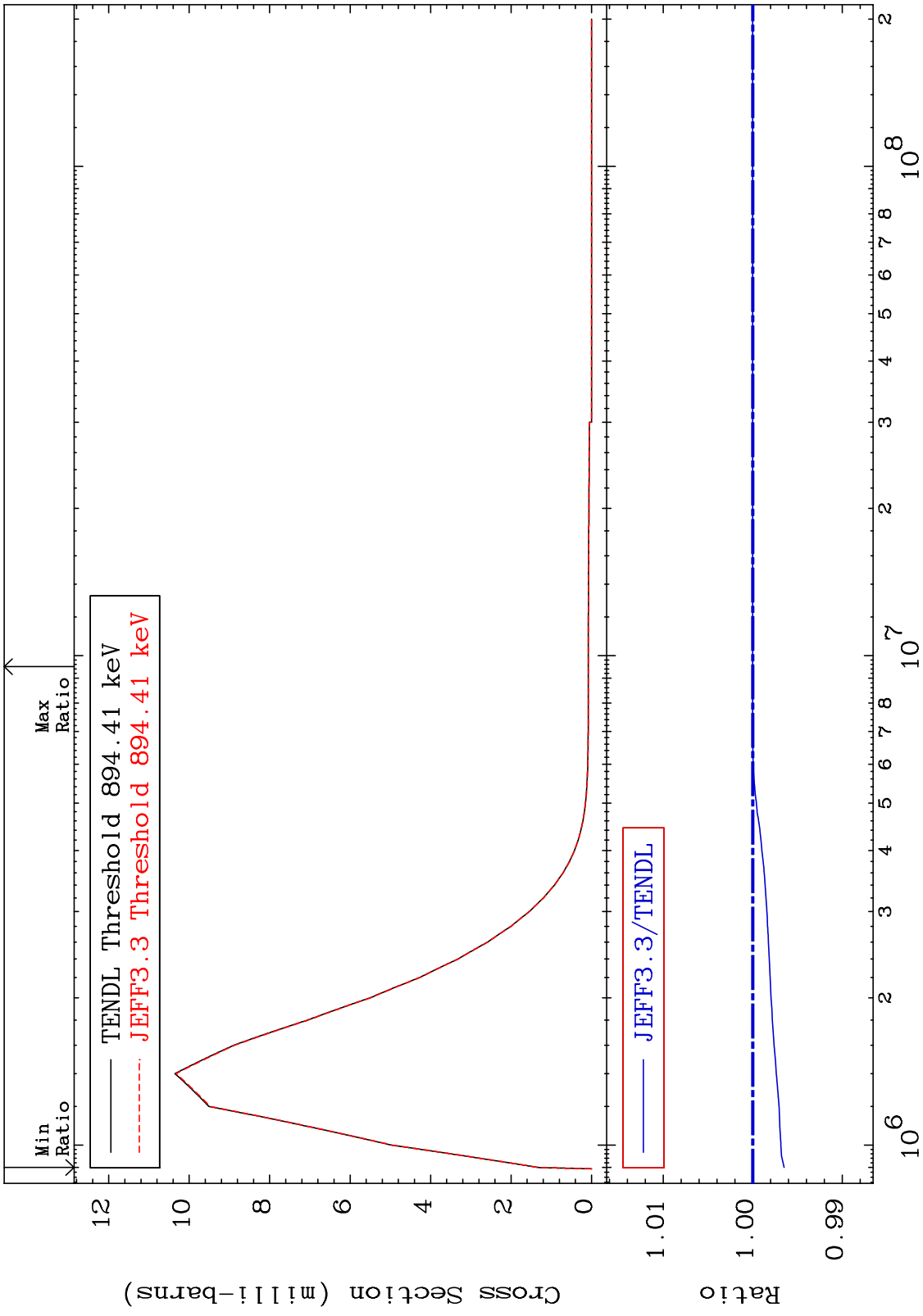


MAT 7119 MT= 79 (n,n') Level Cross Section 71-Lu-173
 -0.459 To 0.000 %



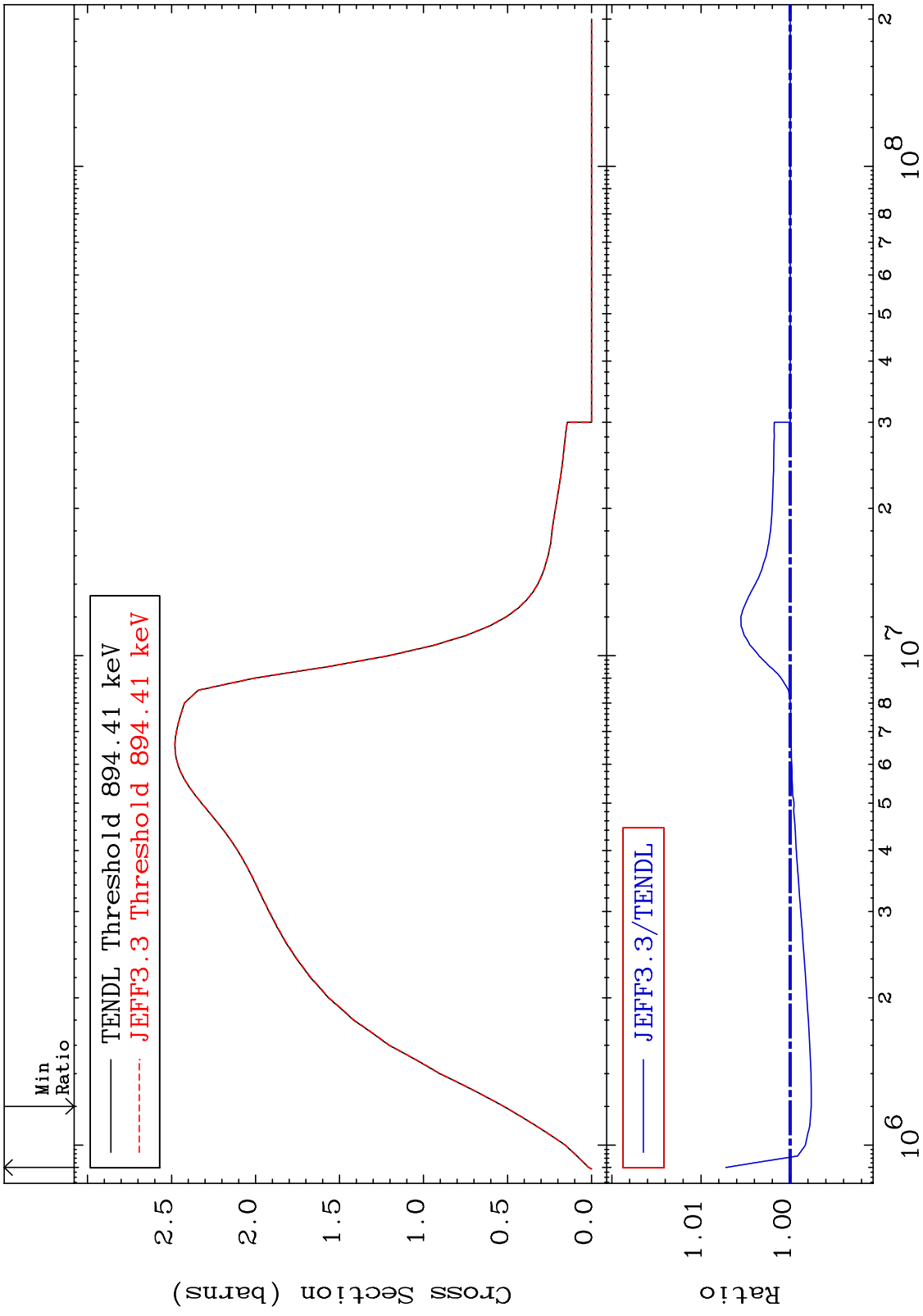
48 71-Lu-173

MAT 7119 MT= 80 (n,n') Level Cross Section 71-Lu-173
 -0.351 To 0.000 %



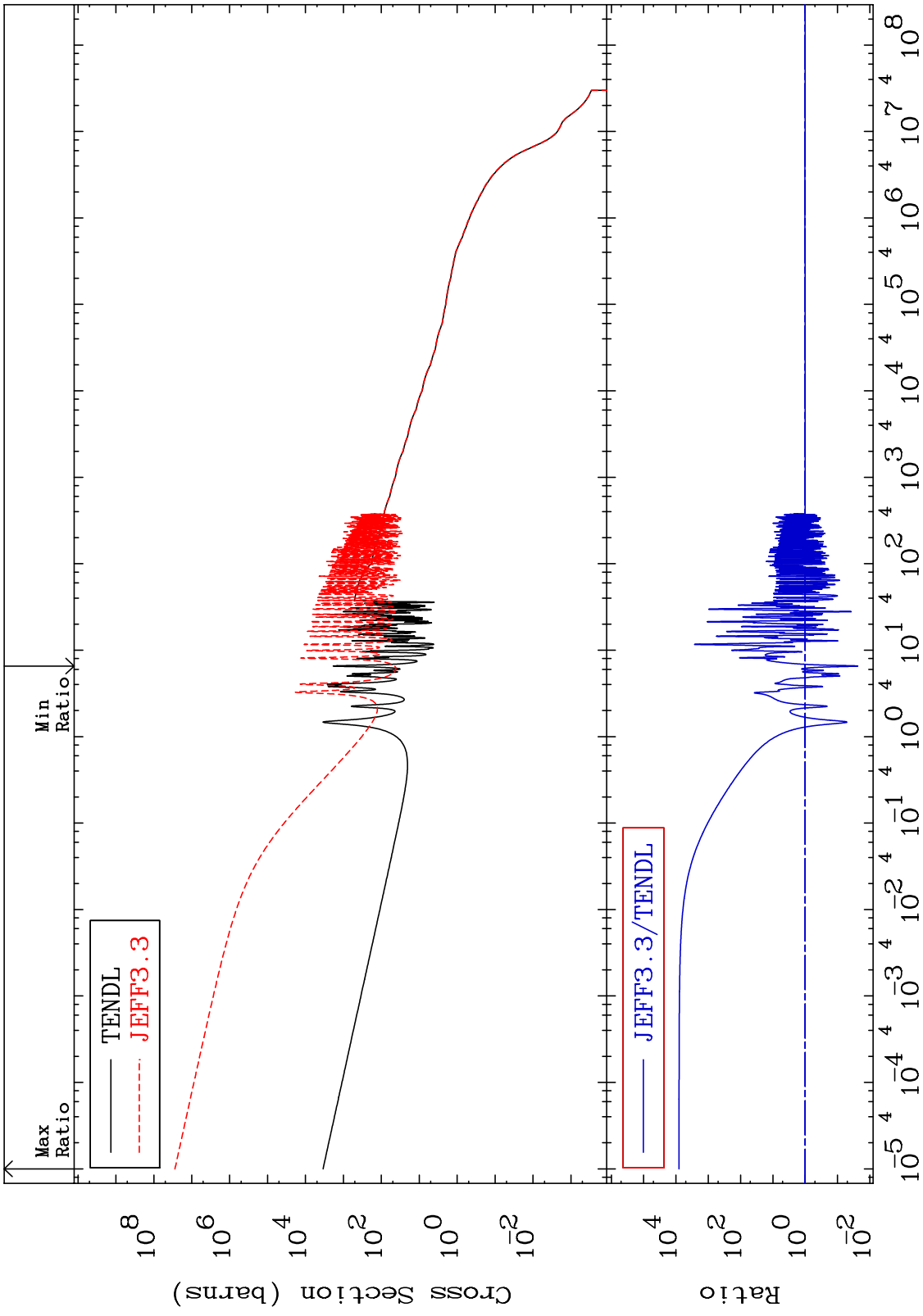
49 71-Lu-173

MAT 7119 (n, n') Continuum Cross Section 71-Lu-173 -0.236 To 0.723 %



50 Incident Energy (eV) 71-Lu-173

MAT 7119 71-Lu-173
-97.65 To 9999. %
 (n, γ)
 Cross Section

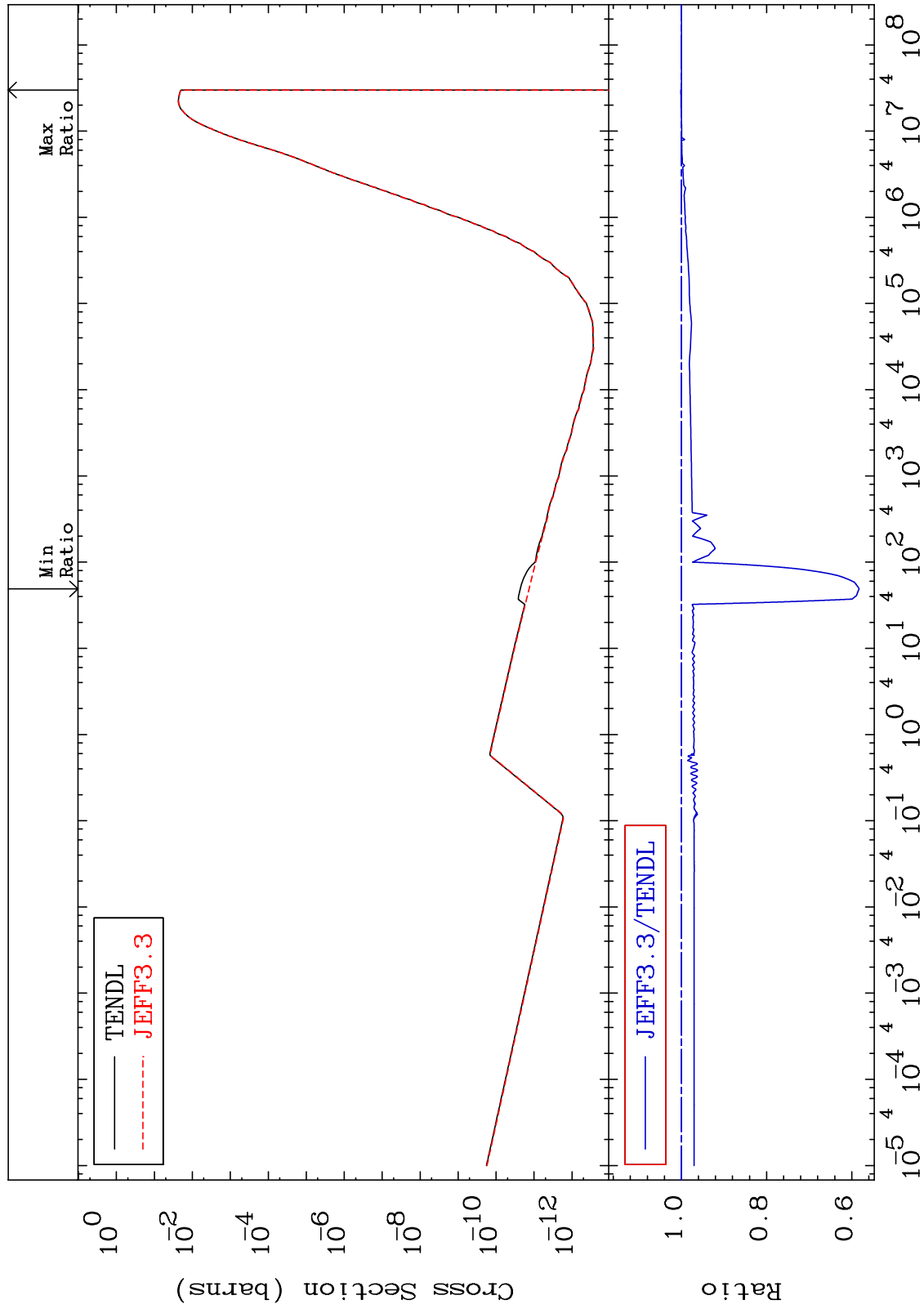


MAT 7119

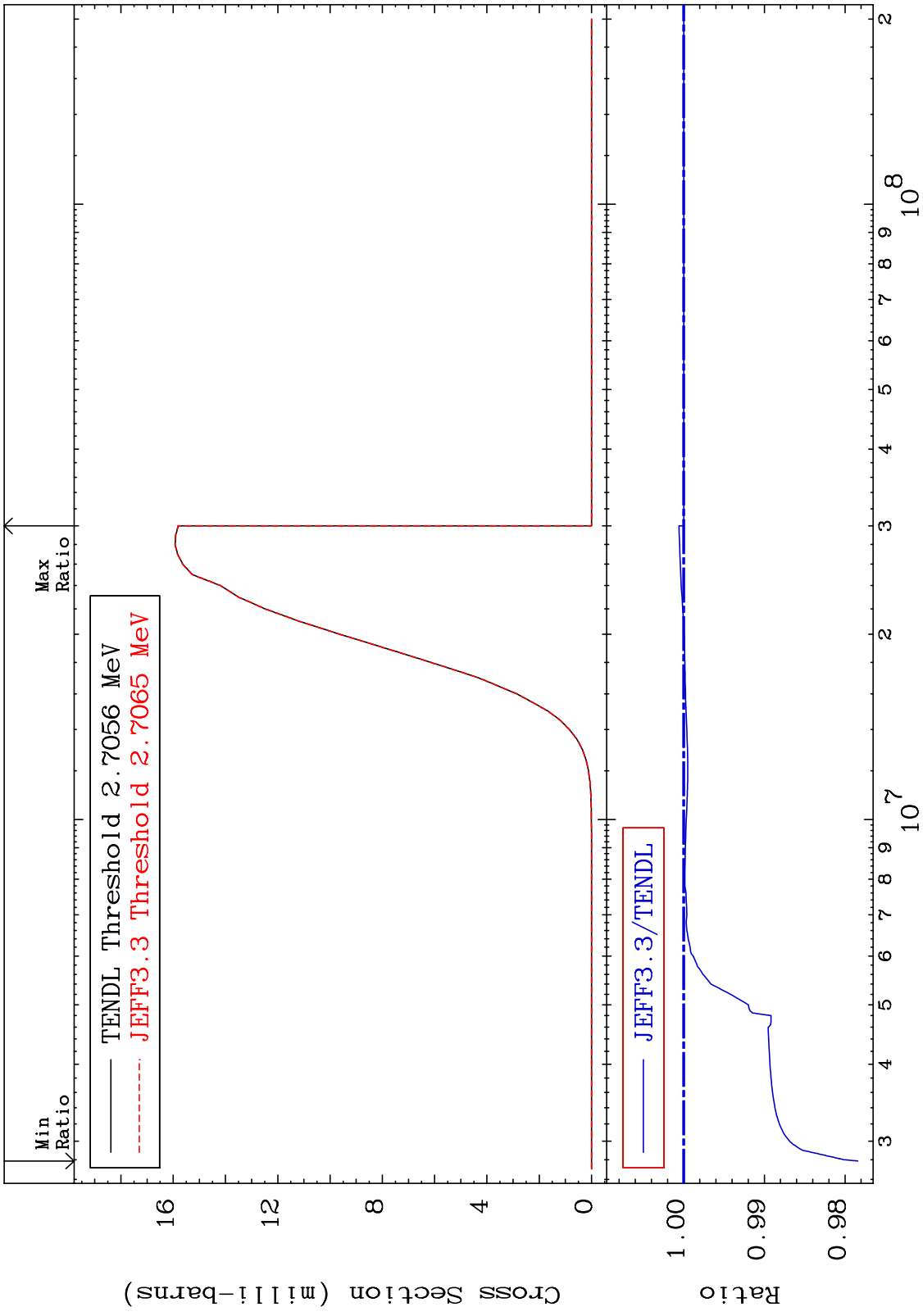
(n,p)

Cross Section

71-Lu-173
-41.71 To 0.135 %

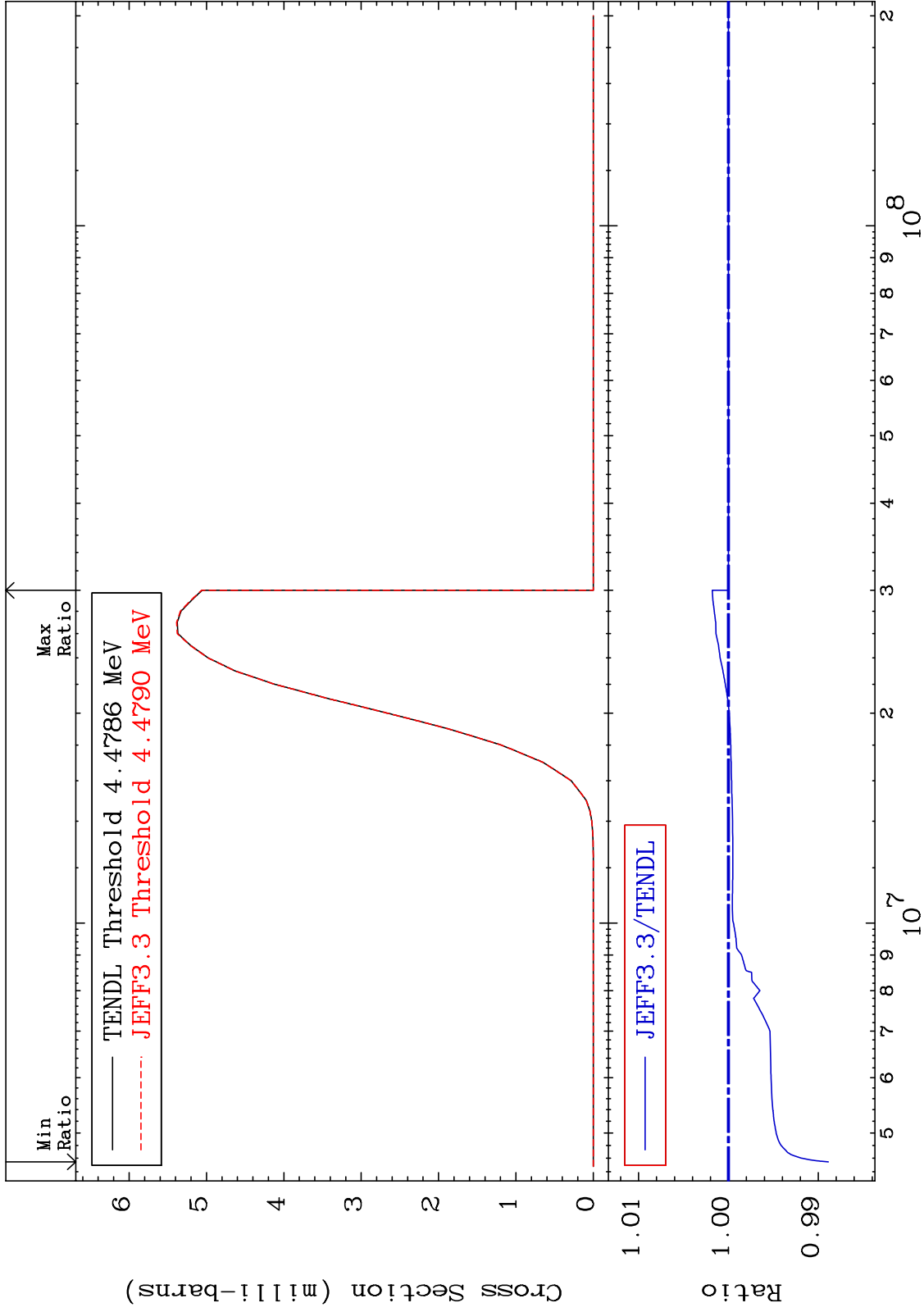


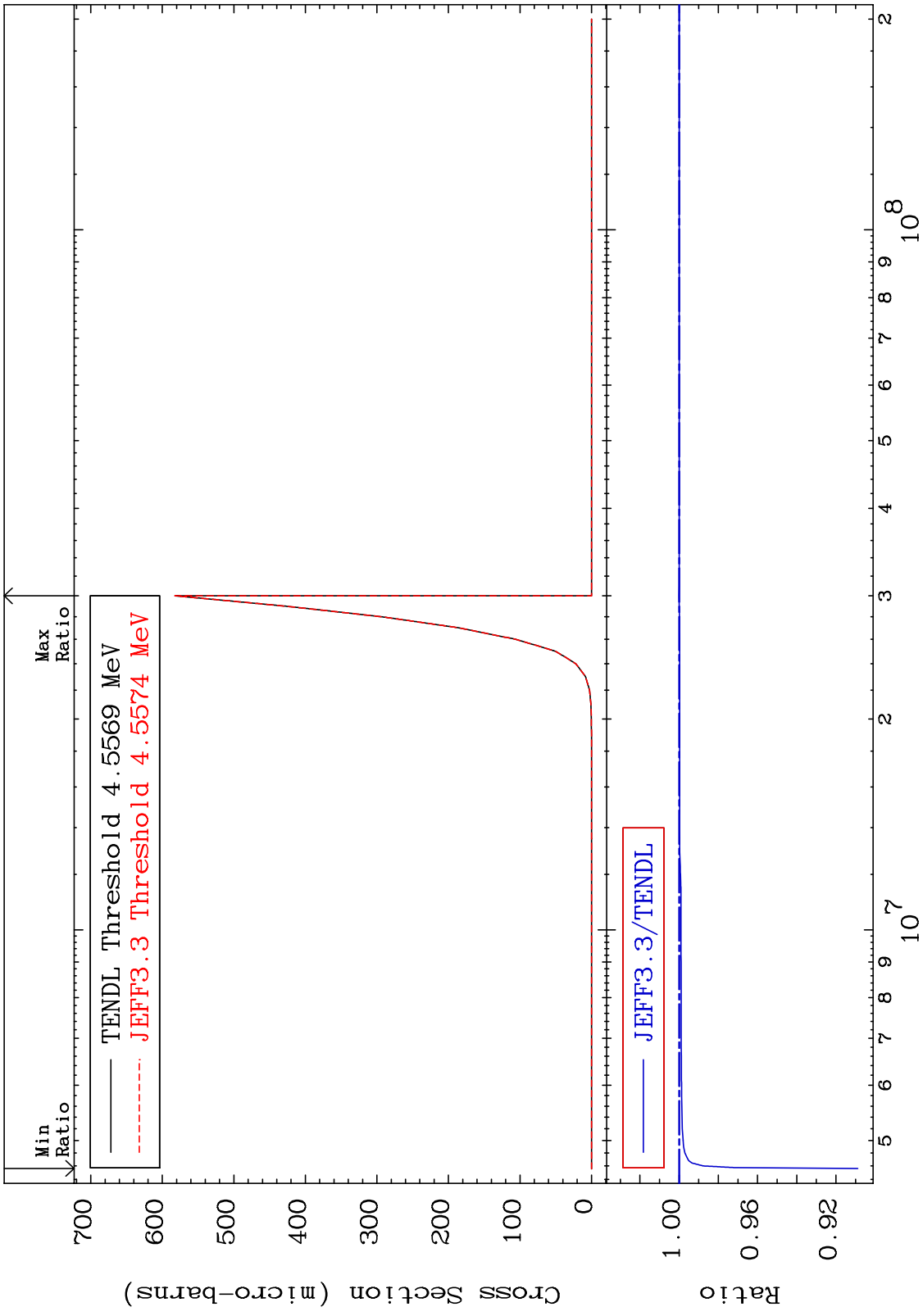
MAT 7119 (n,d) 71-Lu-173
 Cross Section -2.159 To 0.058 %



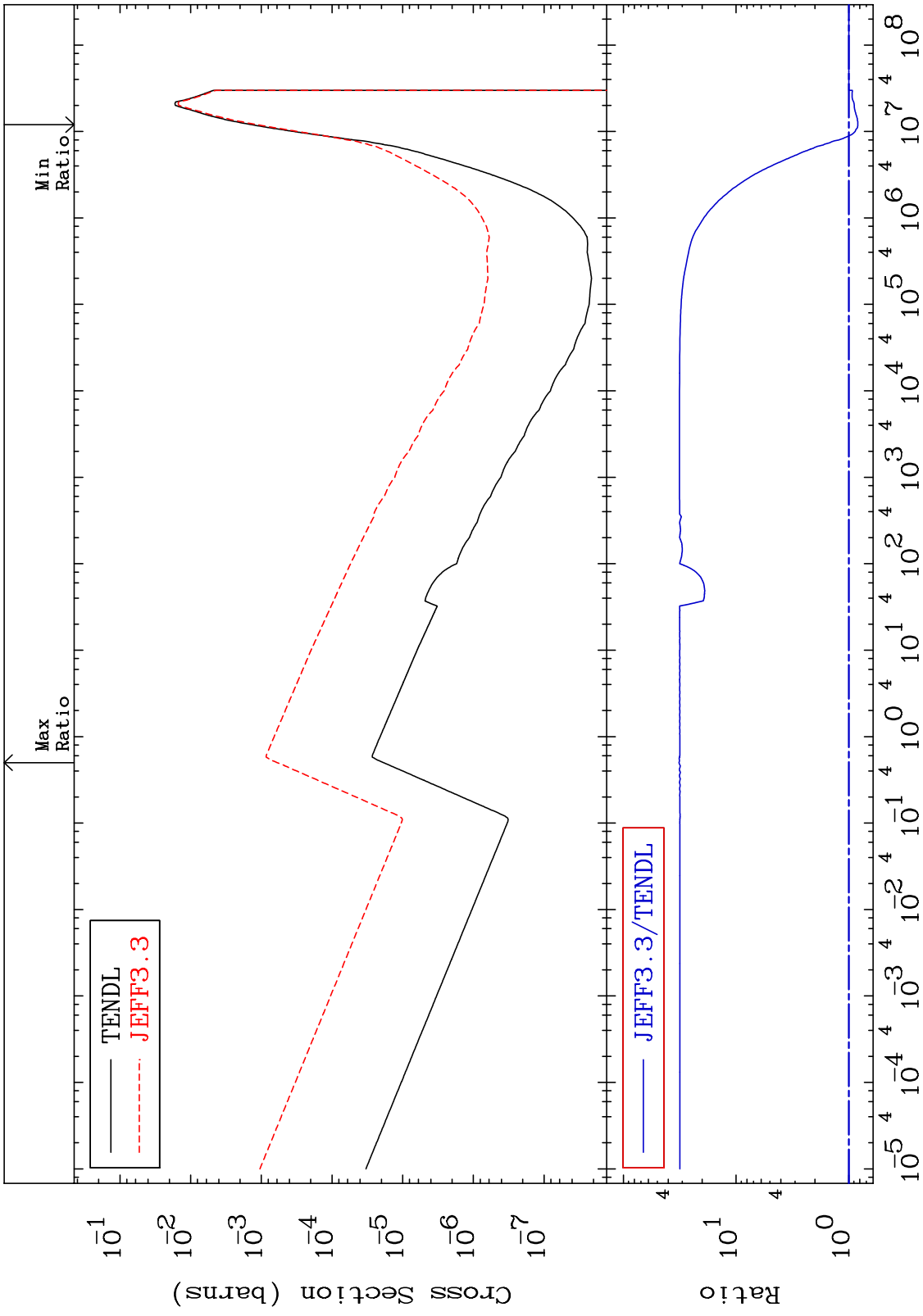
MAT 7119

(n, t) Cross Section
71-Lu-173
-1.111 To 0.181 %

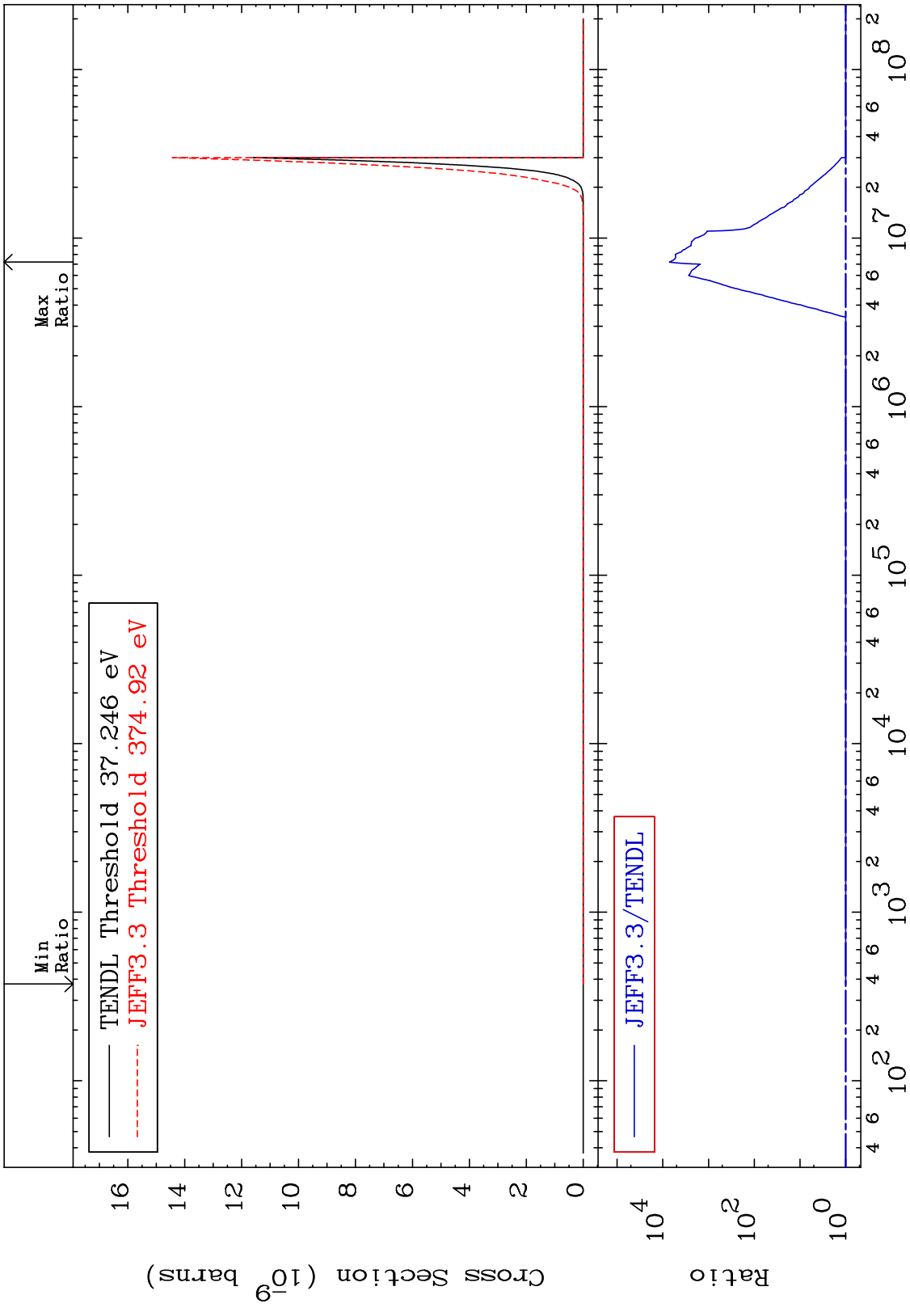




MAT 7119 71-Lu-173
-16.89 To 3108. %
 (n,α) Cross Section



MAT 7119 $(n, 2\alpha)$ Cross Section 71-Lu-173 To 9999. %



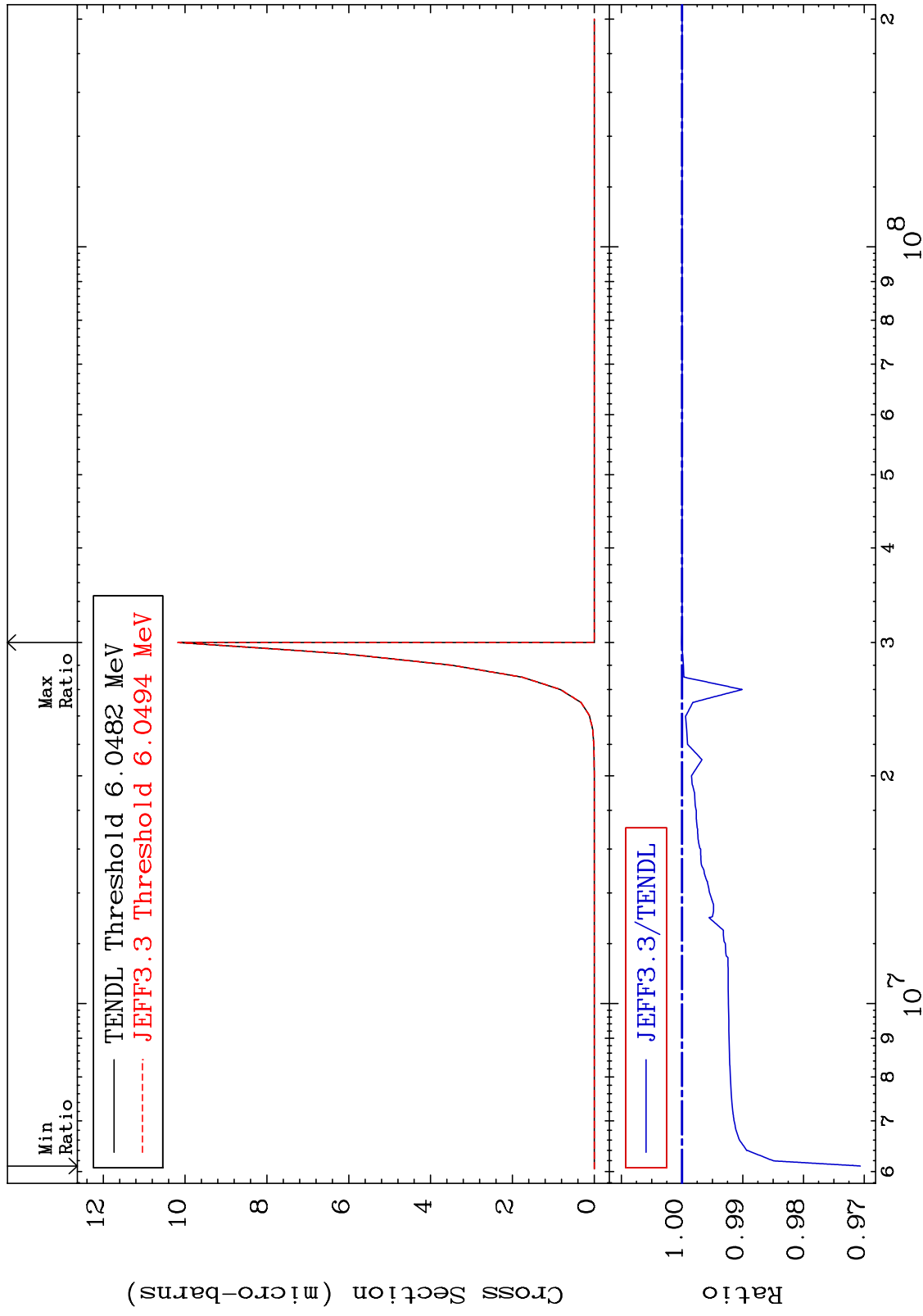
MAT 7119

(n,2p)

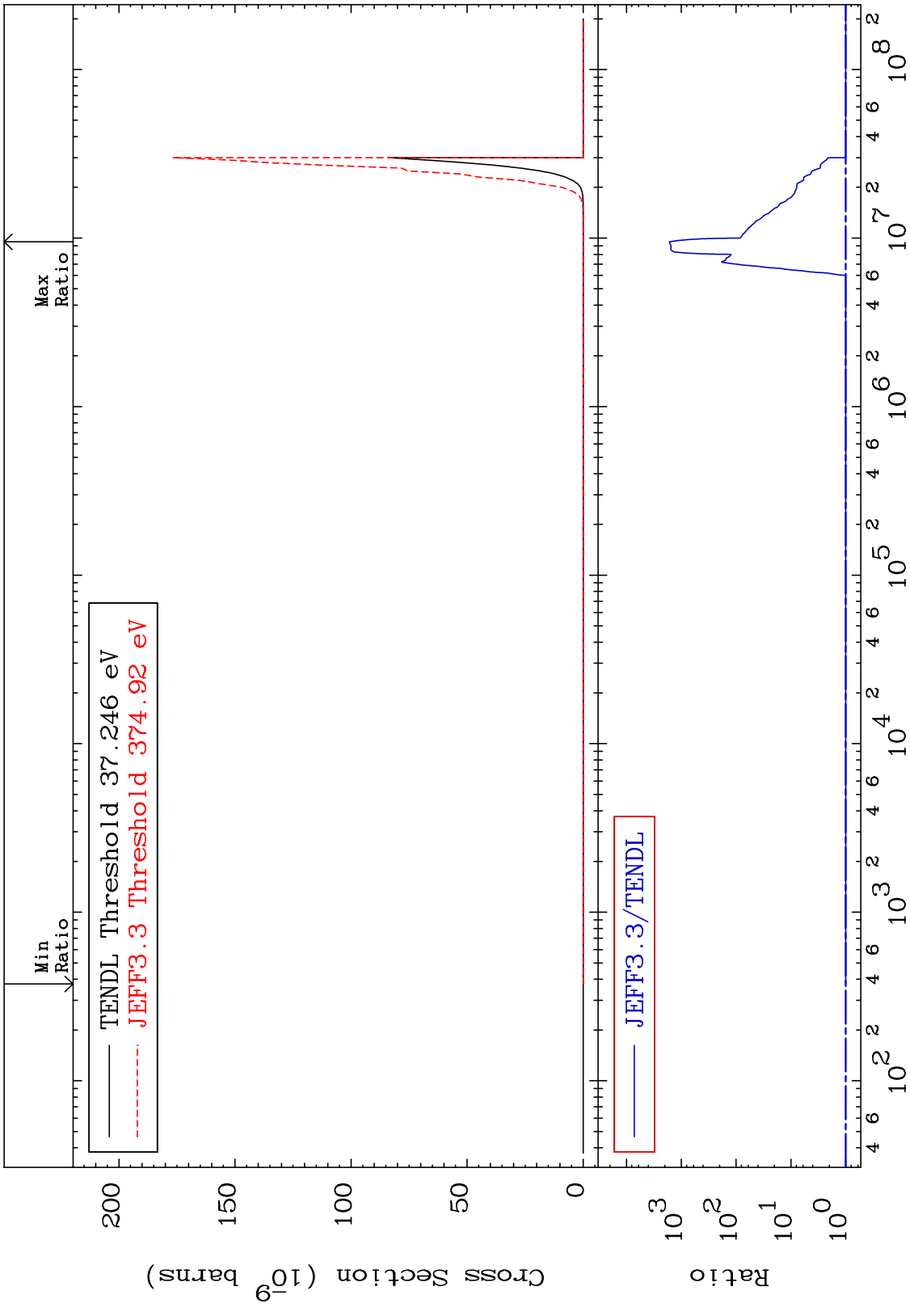
⁷¹Lu-173

-2.937 To 0.005 %

Cross Section



MAT 7119 (n,p) α 71-Lu-173
Cross Section To 9999. %



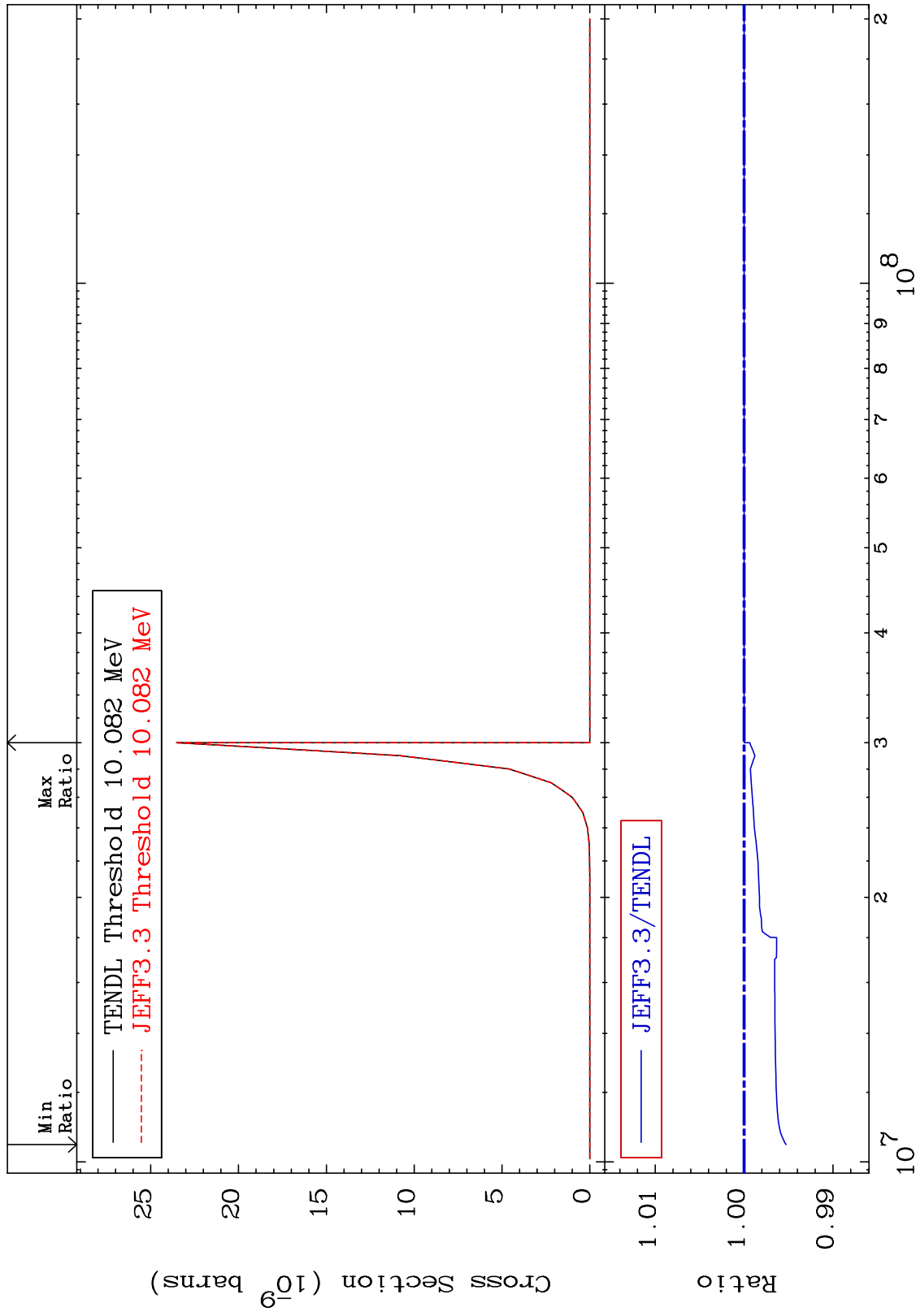
MAT 7119

(n,p) d

71-Lu-173

Cross Section

-0.473 To 0.000 %

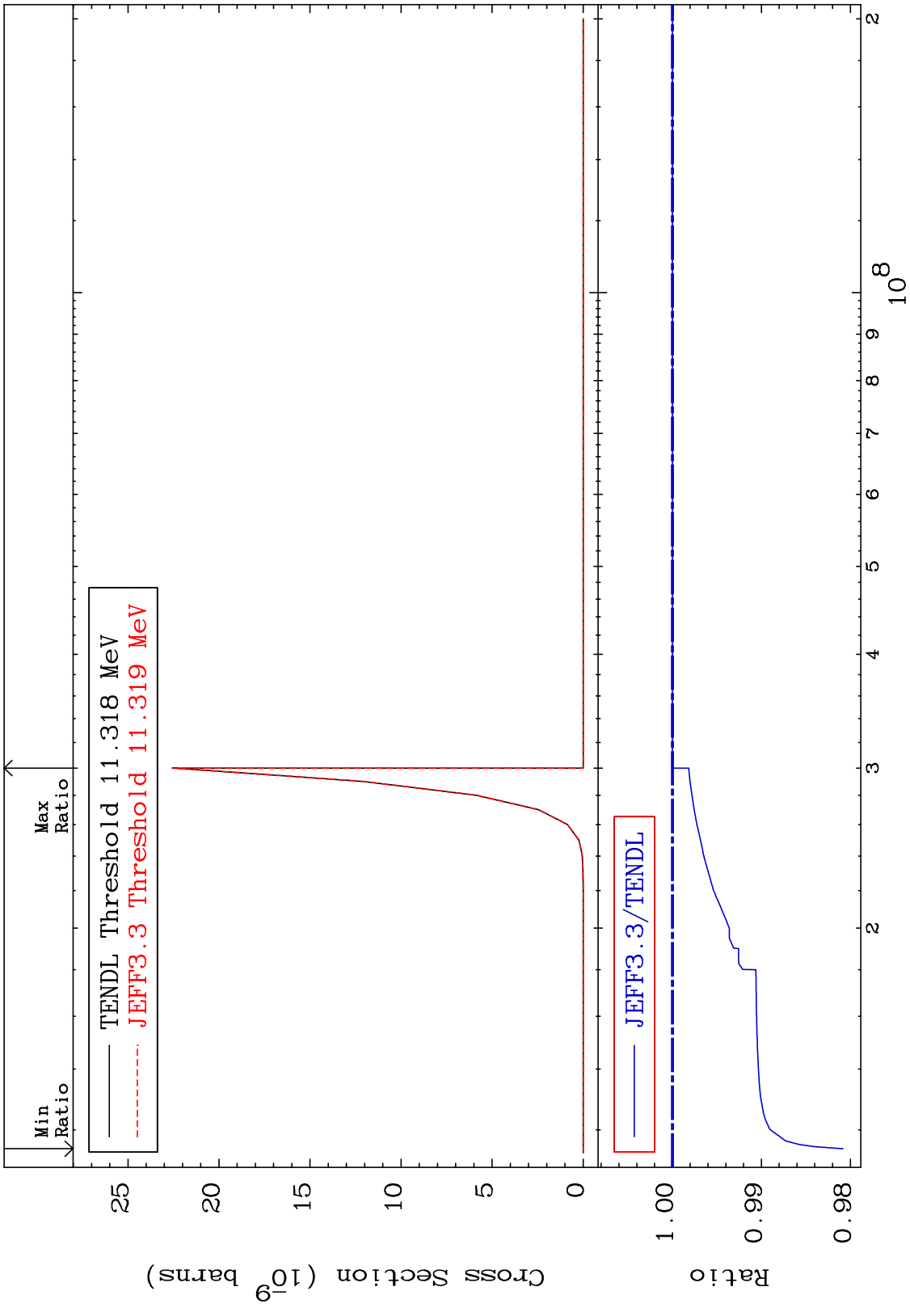


60

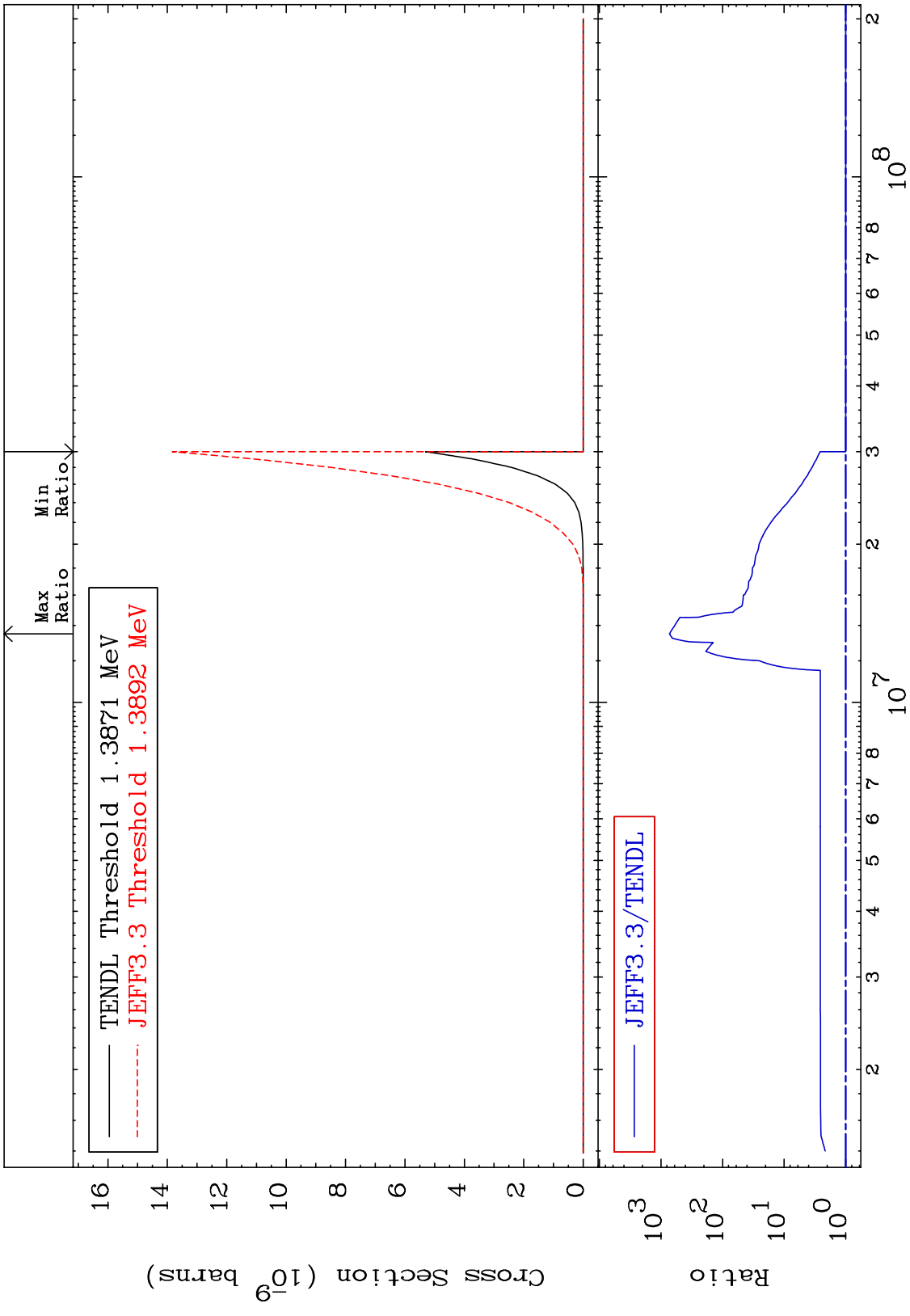
Incident Energy (eV)

71-Lu-173

MAT 7119 (n,p) t 71-Lu-173
 Cross Section -1.915 To 0.000 %



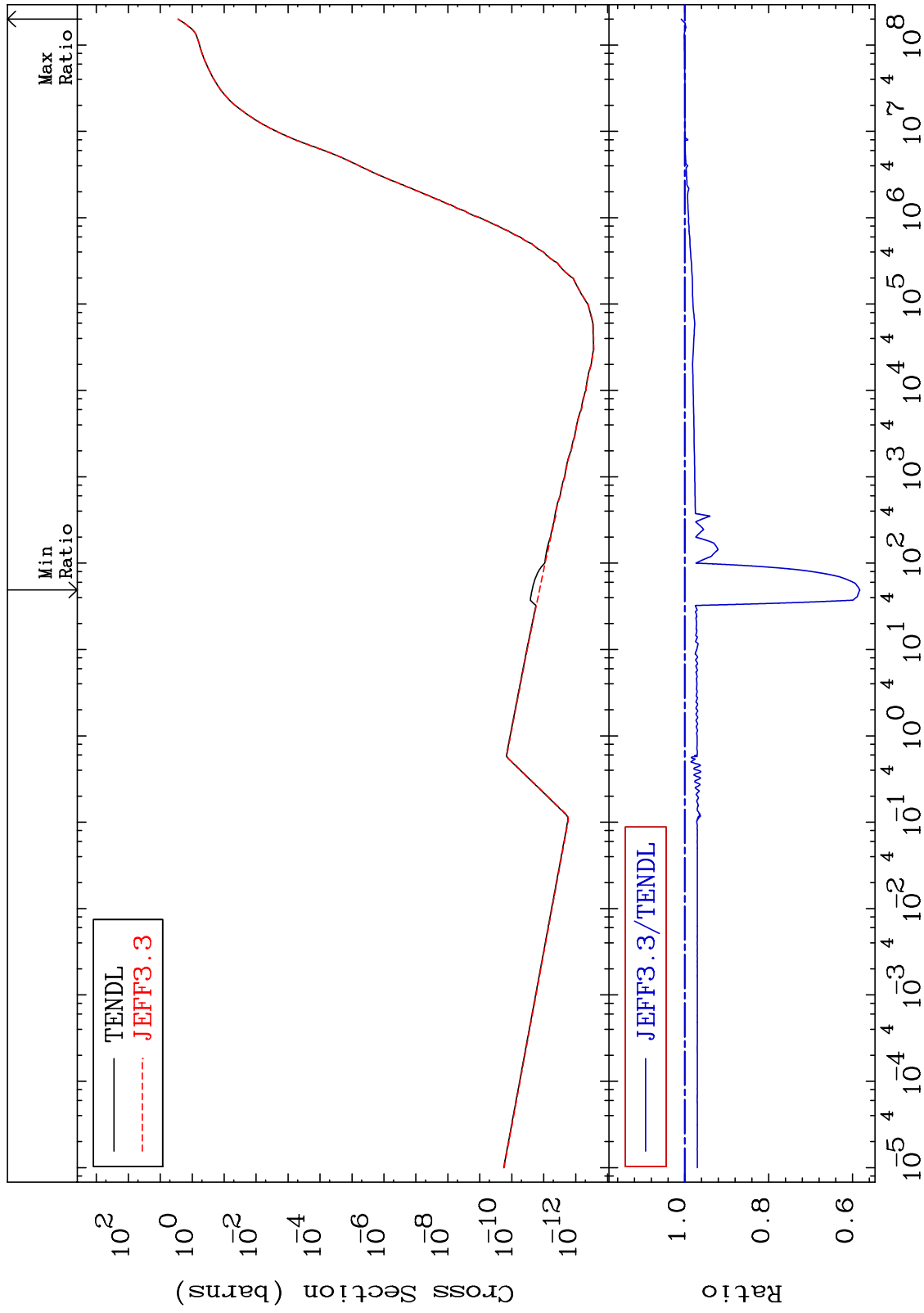
MAT 7119 $(n, d) \alpha$ Cross Section 71-Lu-173 To 9999. %

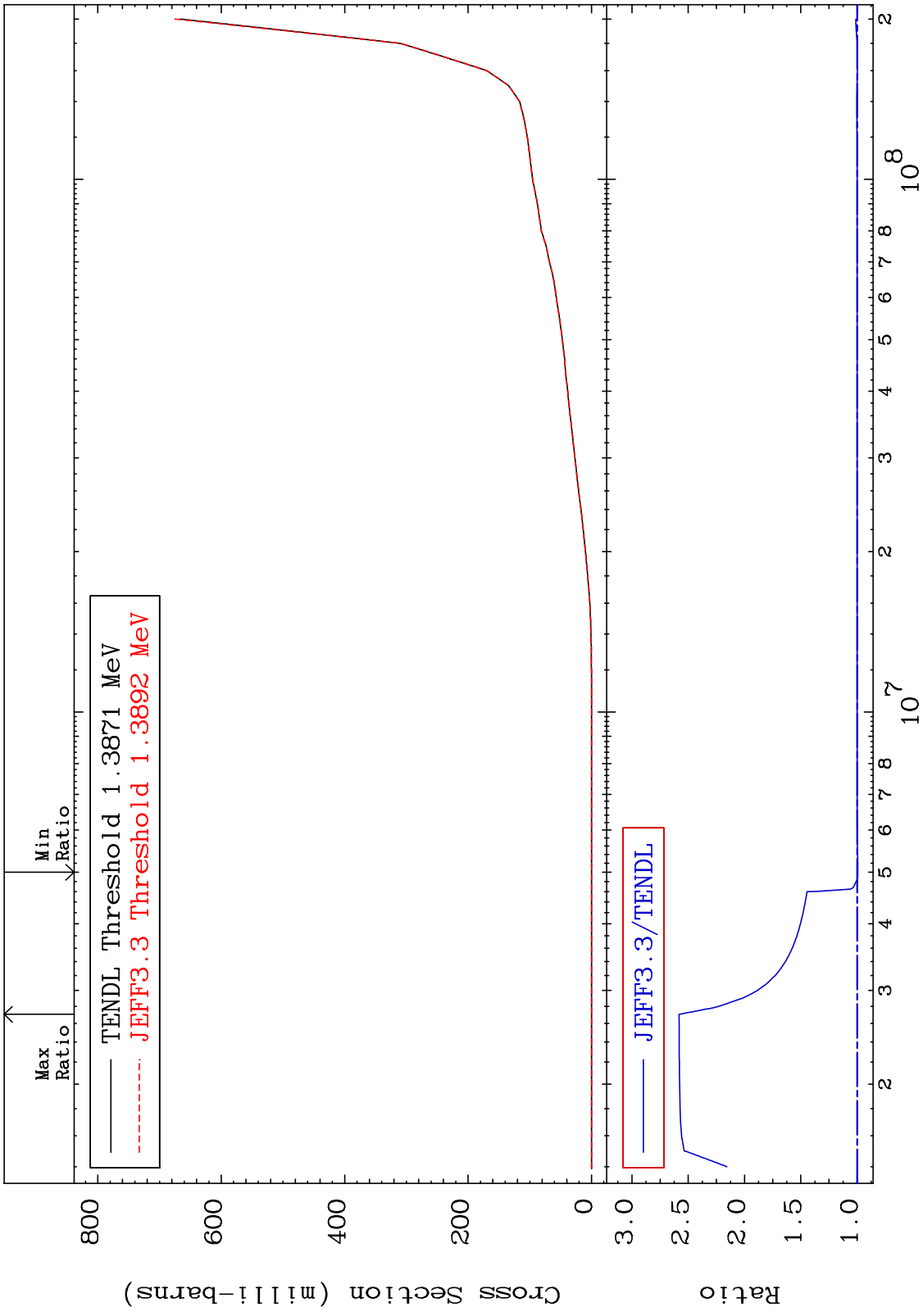


MAT 7119

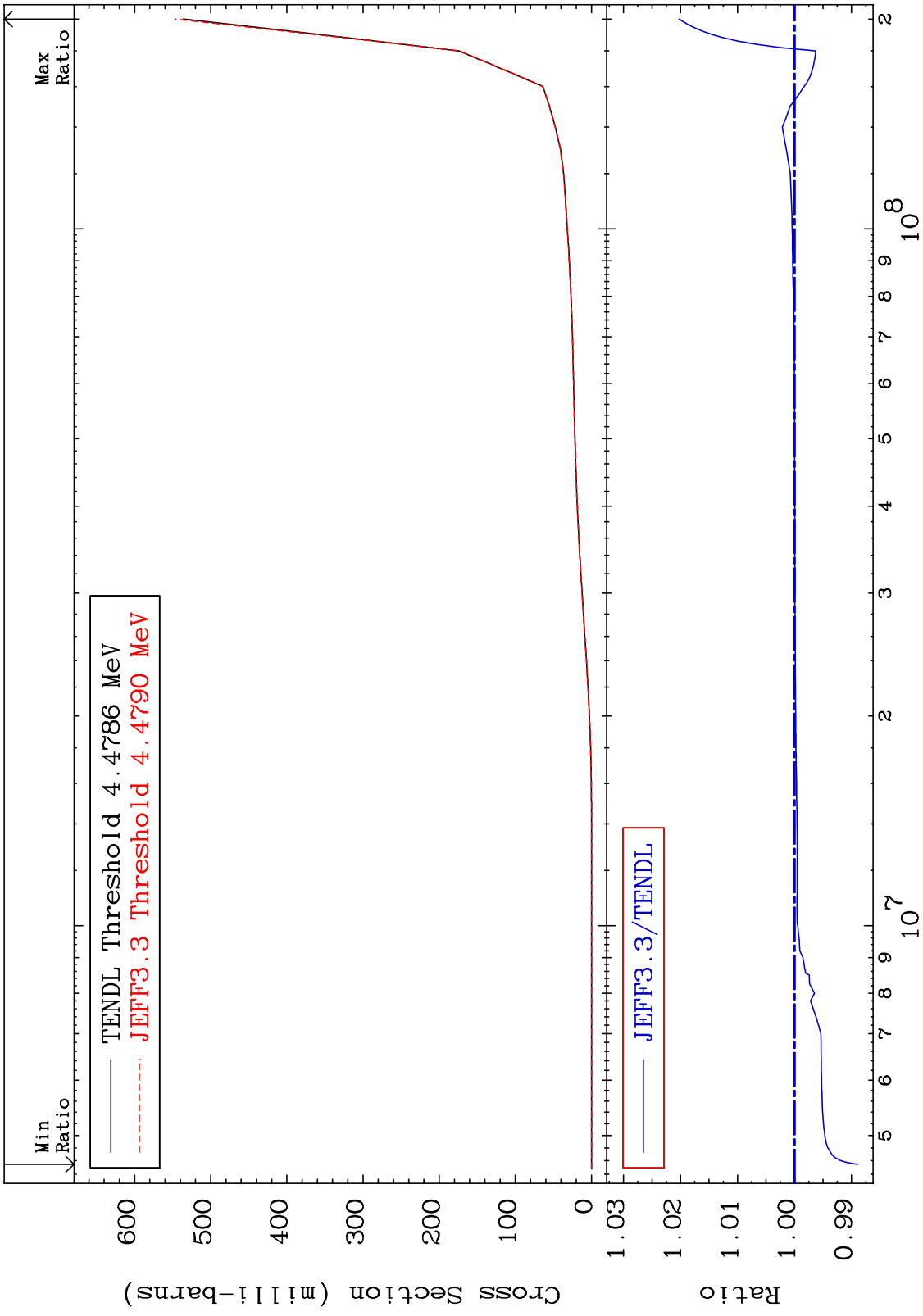
Hydrogen Production
Cross Section

71-Lu-173
-41.71 To 0.841 %





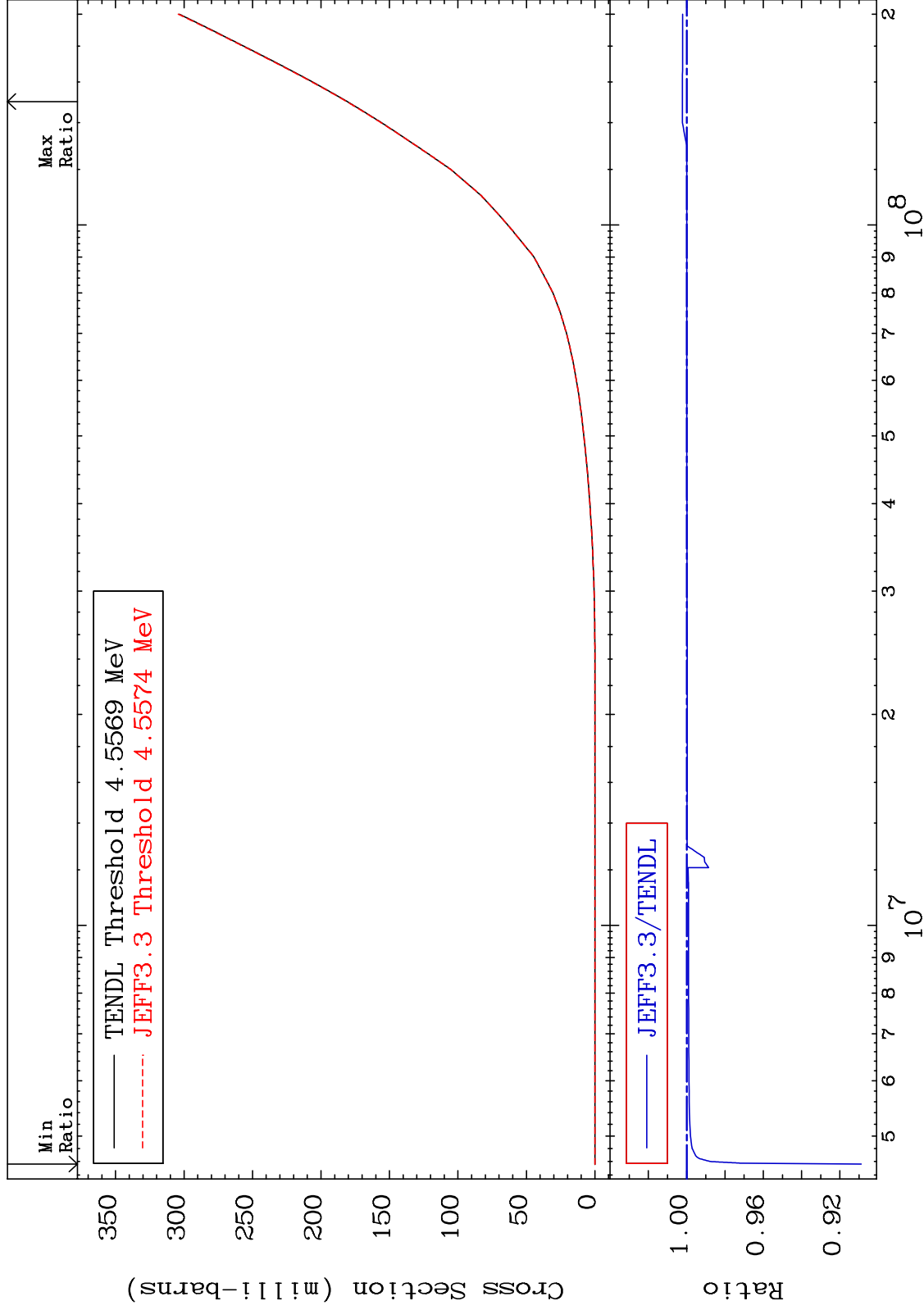
MAT 7119 Tritium Production Cross Section 71-Lu-173 -1.111 To 2.026 %



MAT 7119

He-3 Production
Cross Section

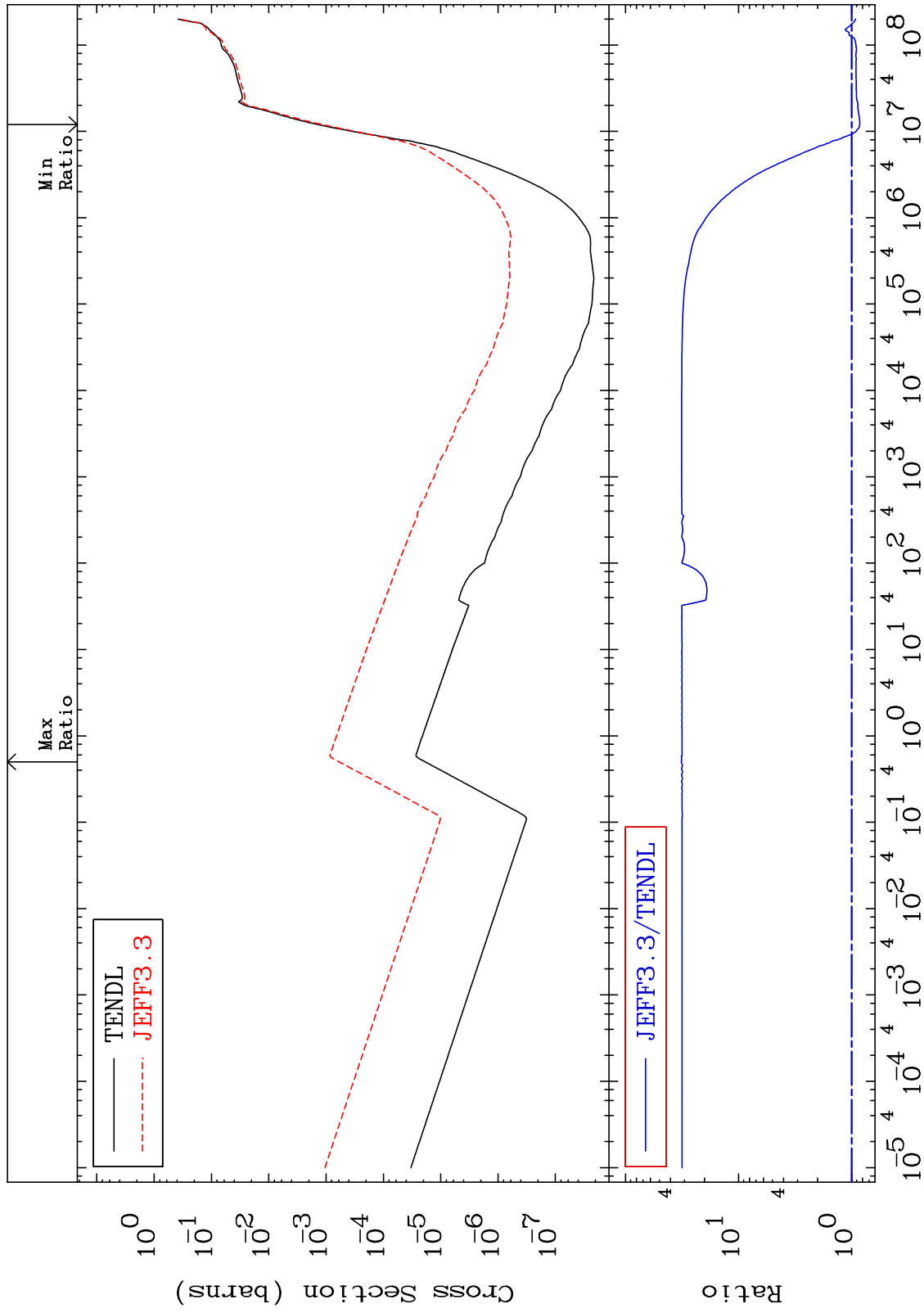
71-Lu-173
-9.117 To 0.221 %



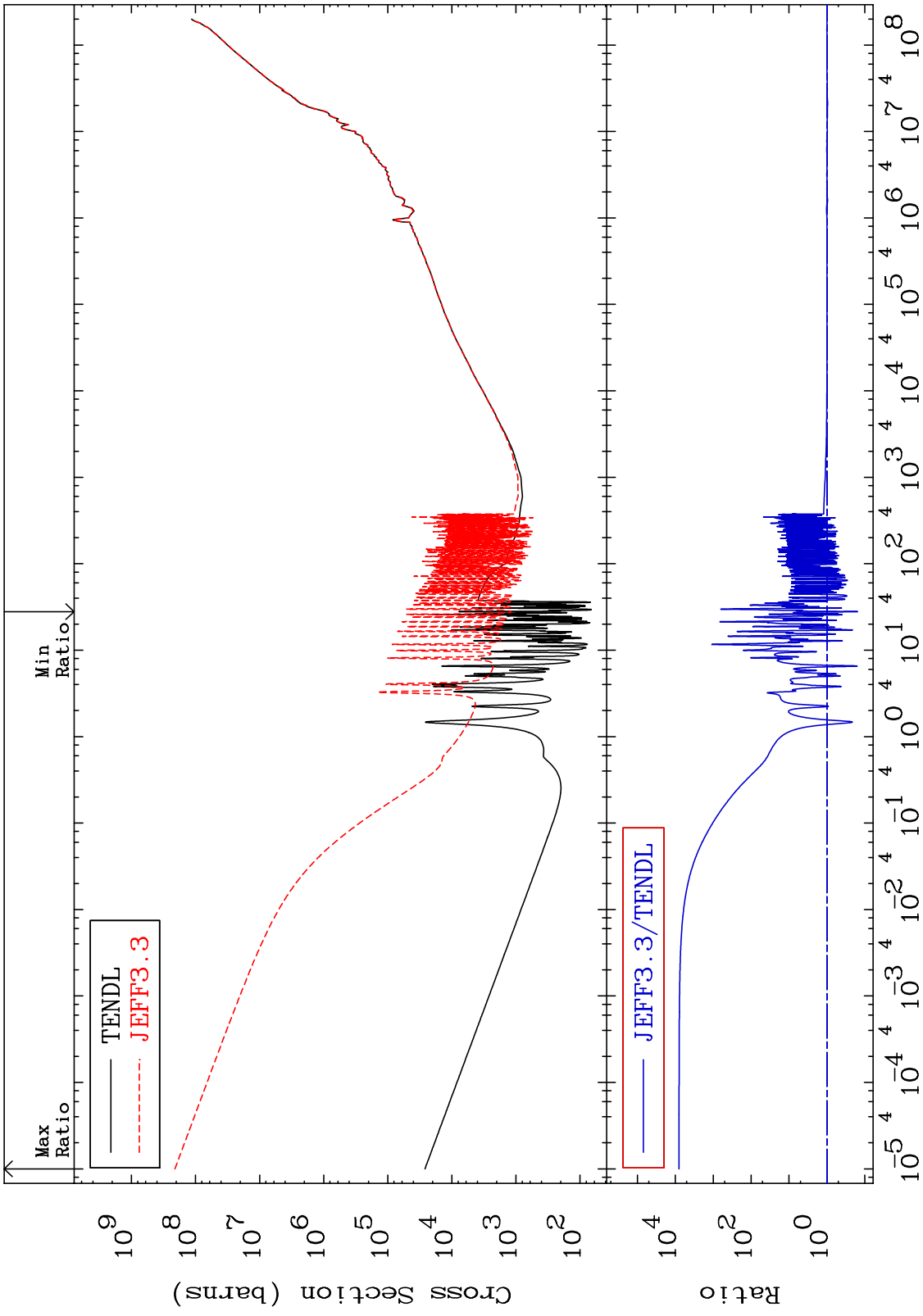
MAT 7119

He-4 Production
Cross Section

71-Lu-173
-15.40 To 3108. %



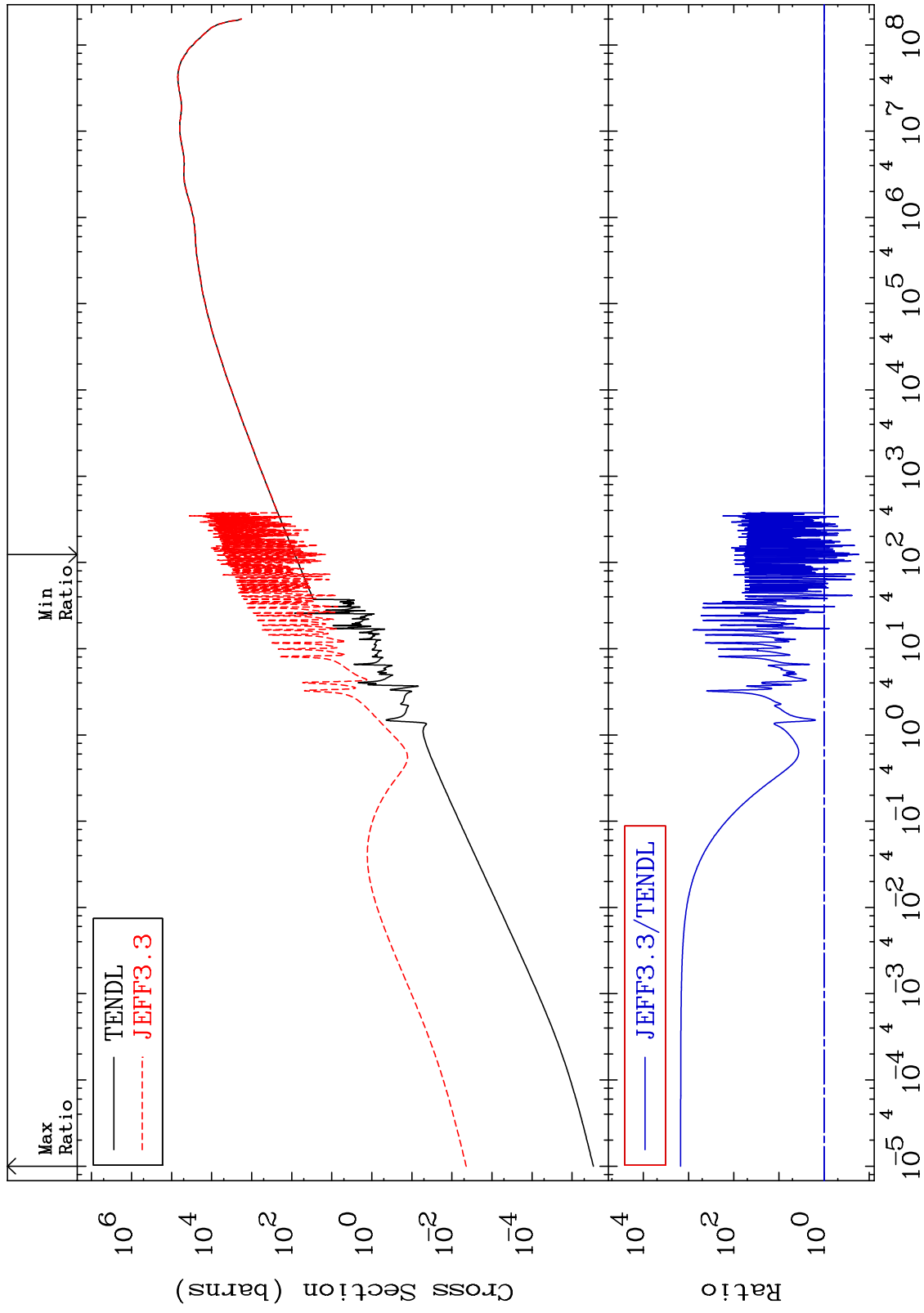
MAT 7119 Kerma total (eV-barns) 71-Lu-173
 Cross Section -84.71 To 9999. %



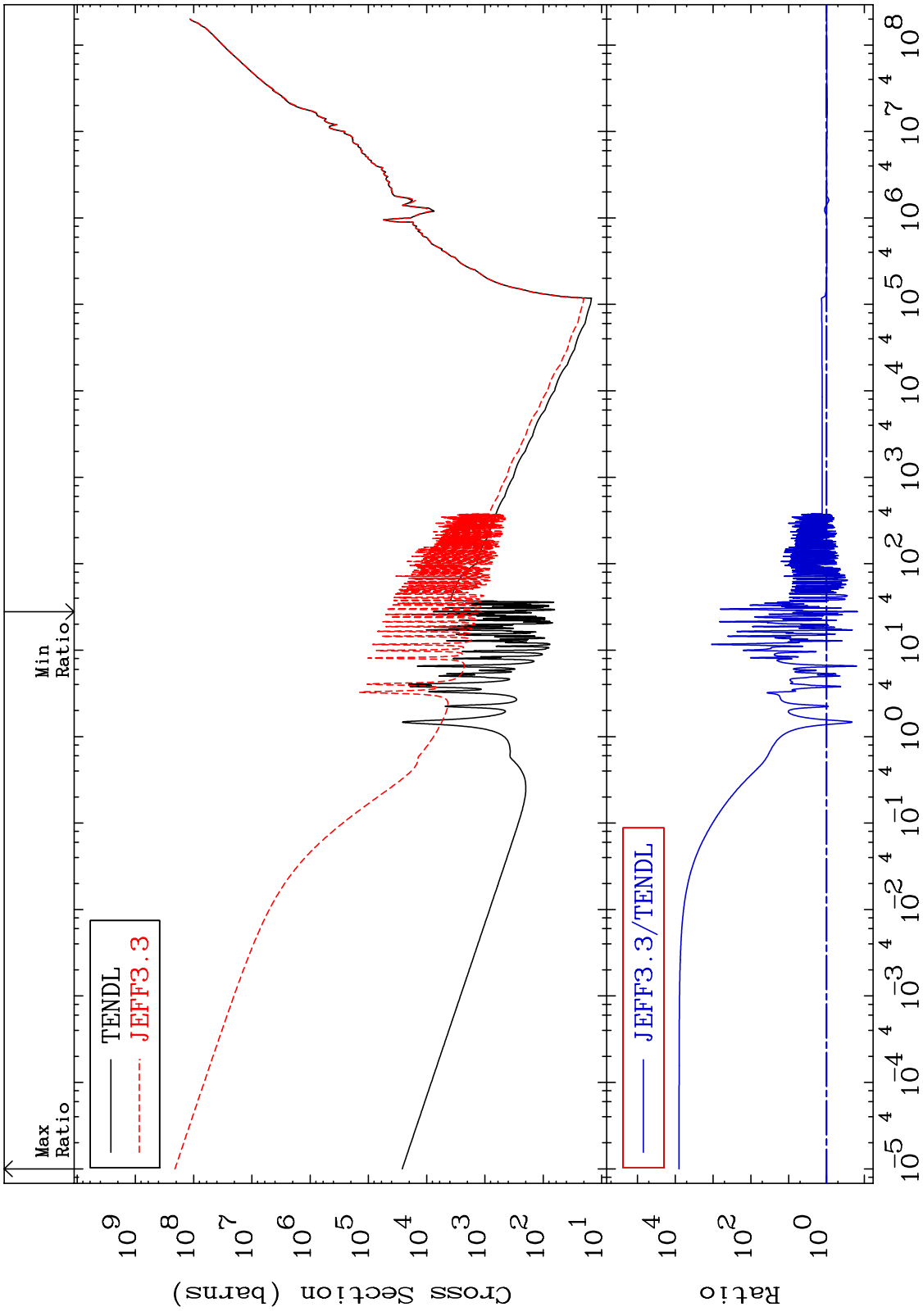
MAT 7119

Kerma elastic
Cross Section

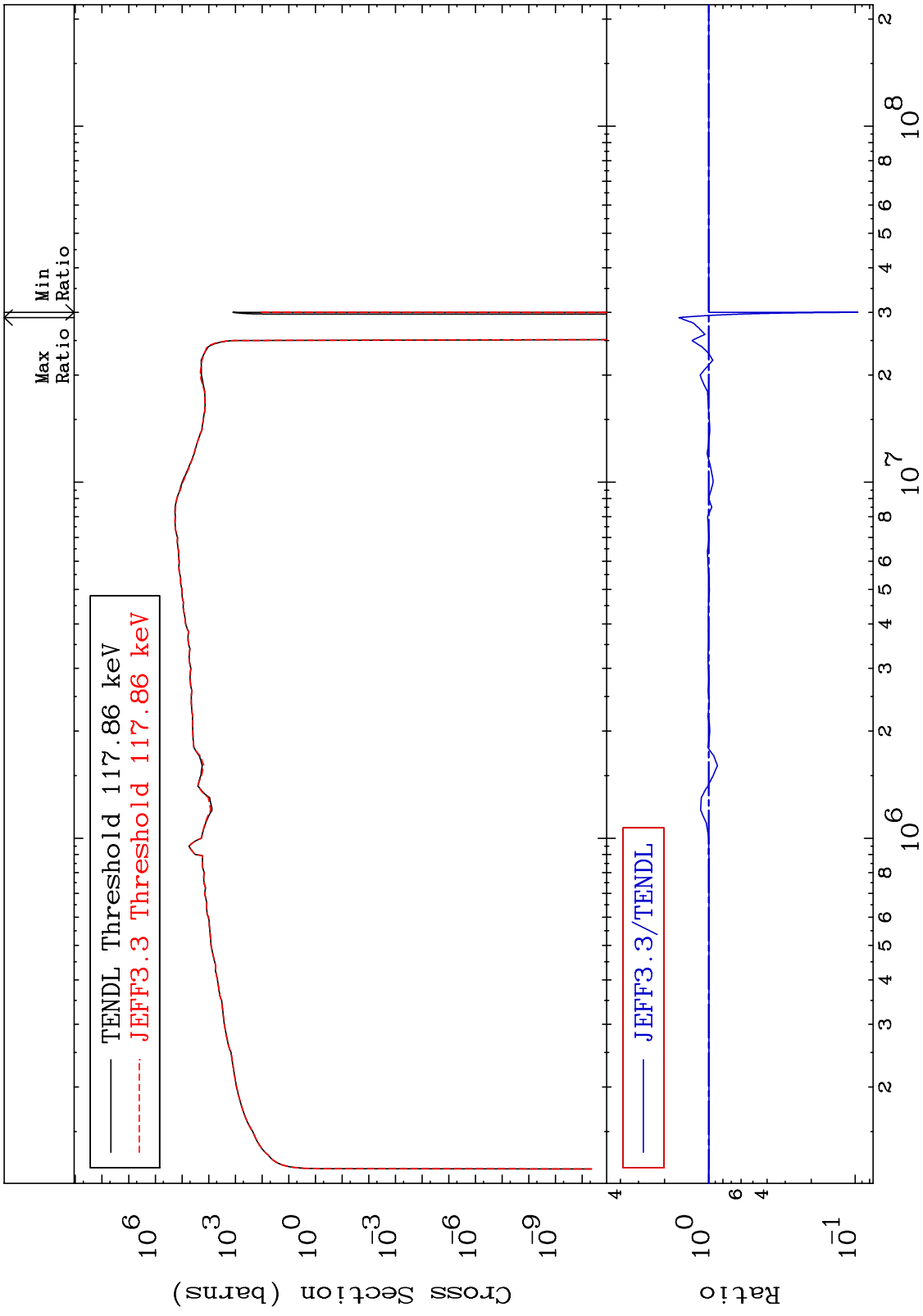
71-Lu-173
-83.09 To 9999. %



MAT 7119 Kerma non-elastic (all but mt2) 71-Lu-173
 Cross Section -85.07 To 9999. %



MAT 7119 Kerma inelastic (mt51-91) 71-Lu-173
 Cross Section -90.39 To 59.05 %

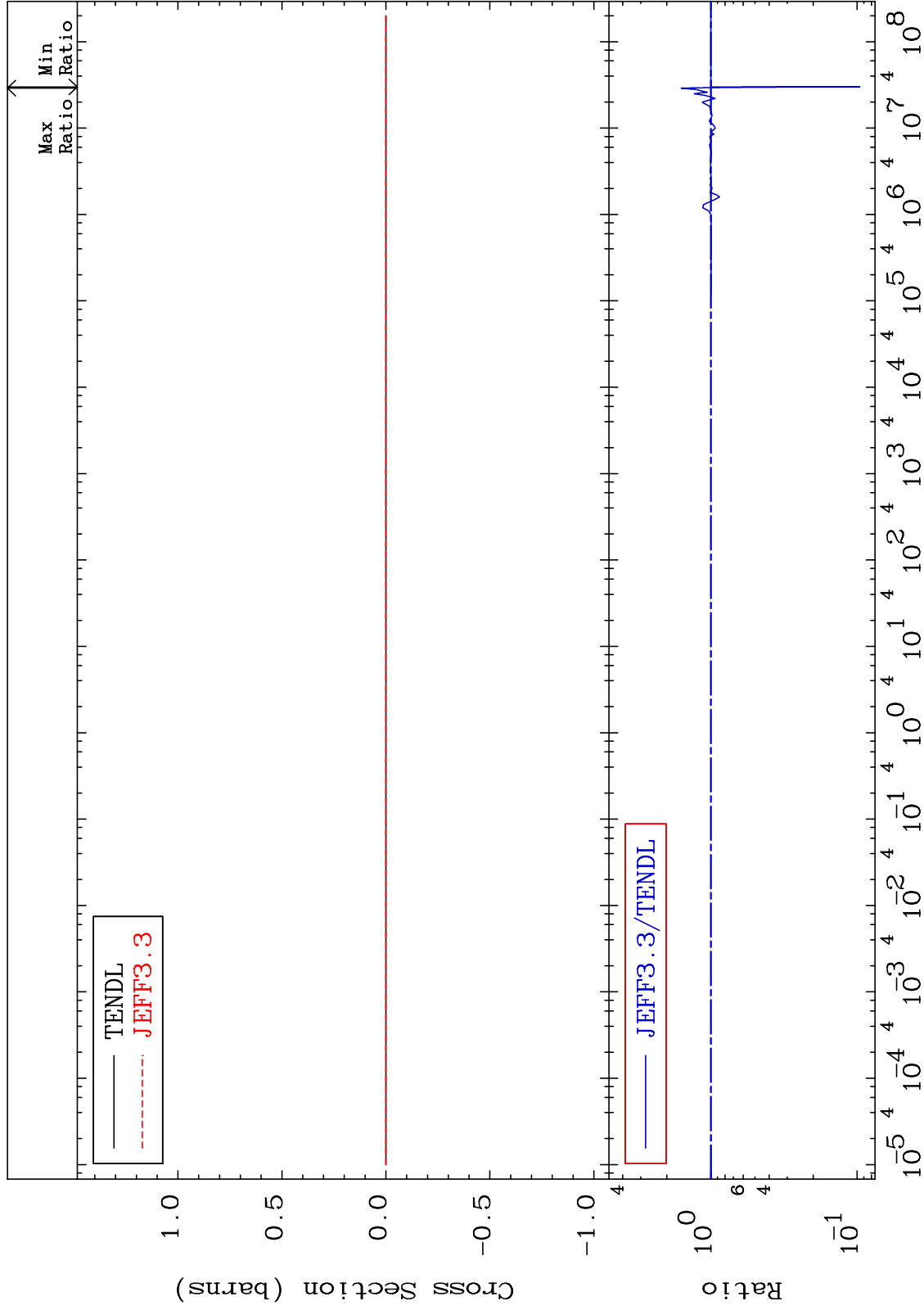


71 71-Lu-173

MAT 7119

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

71-Lu-173
-90.39 To 59.05 %

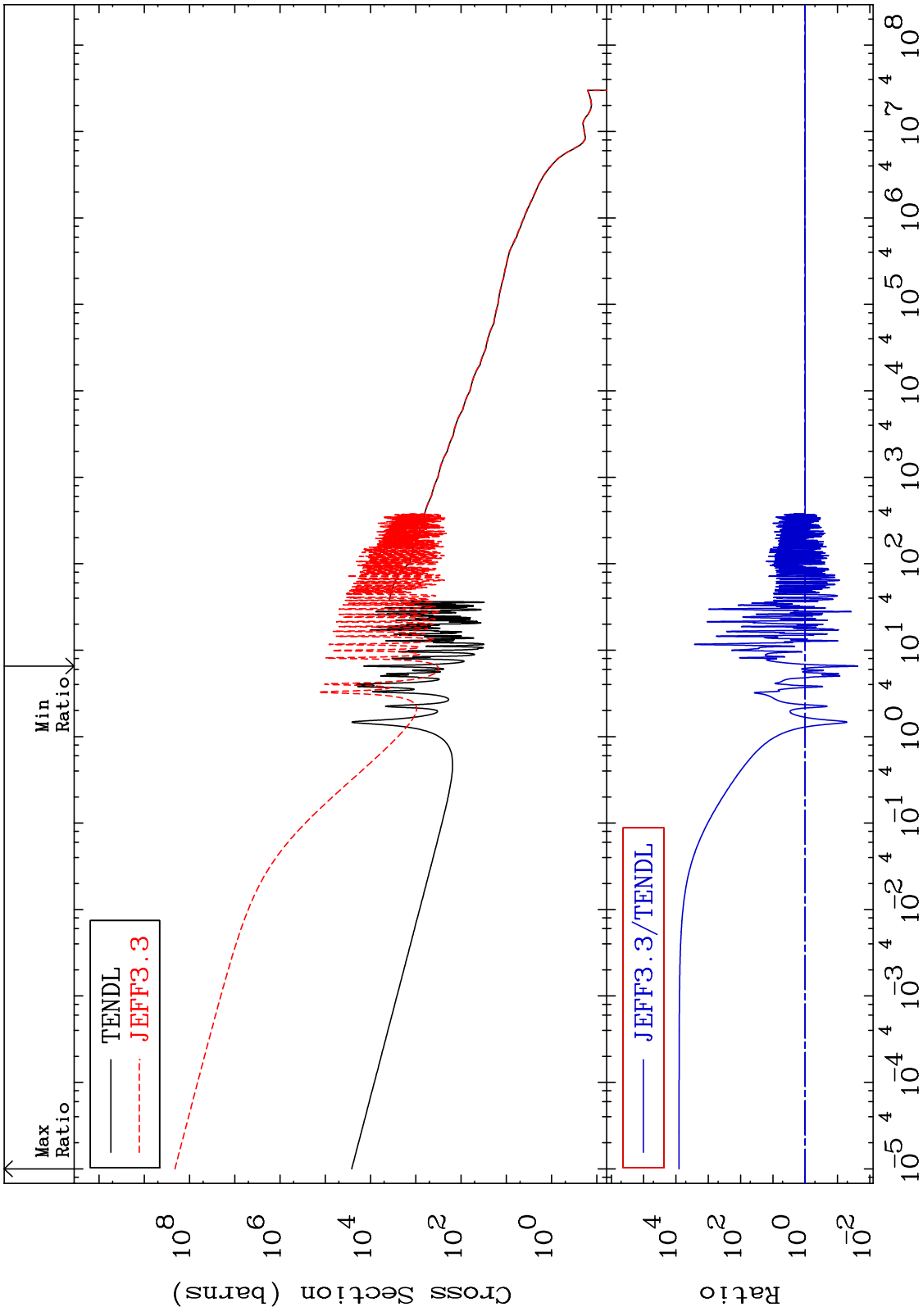


72

Incident Energy (eV)

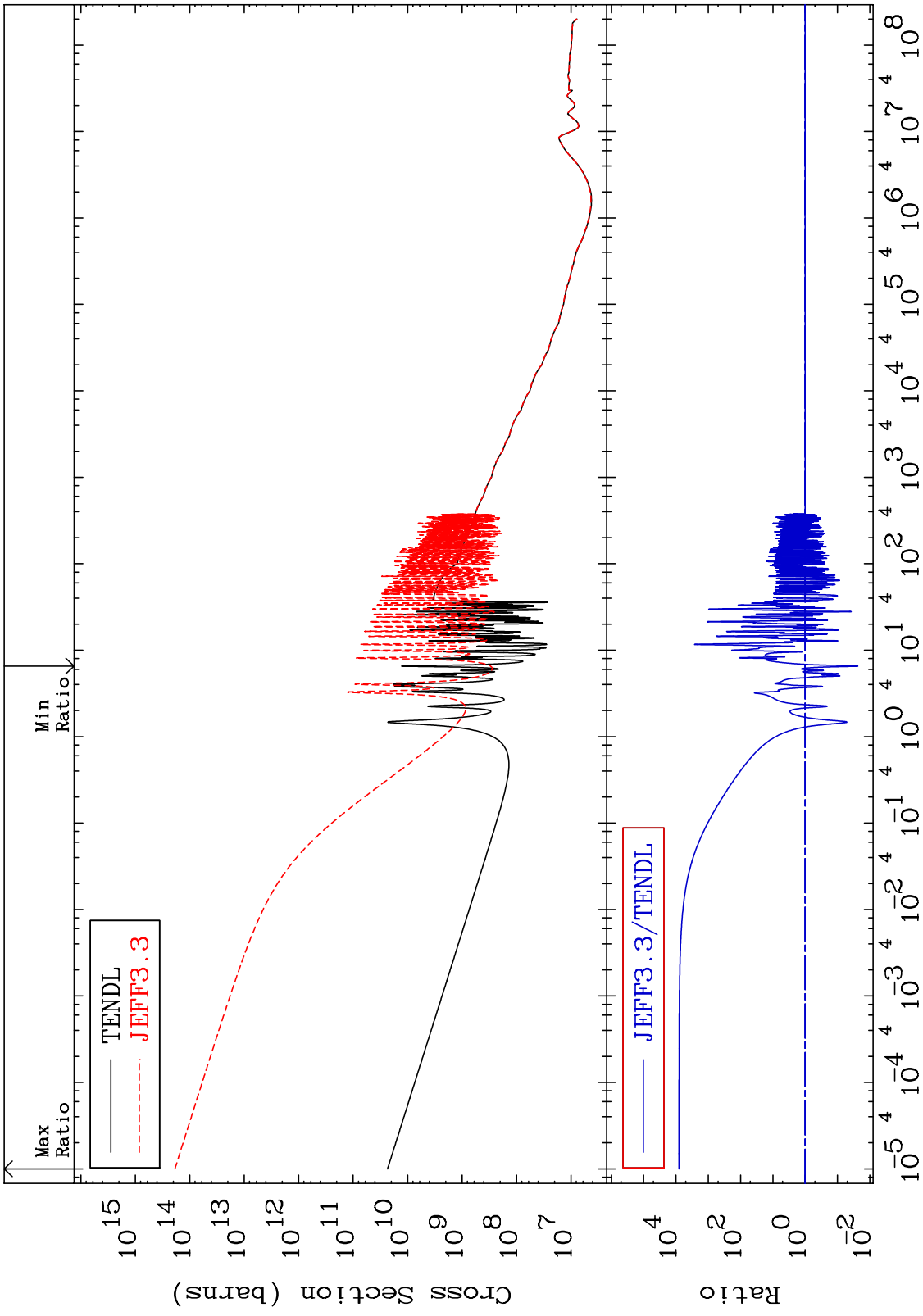
71-Lu-173

MAT 7119 Kerma capture (mt102) 71-Lu-173
Cross Section -97.65 To 9999. %



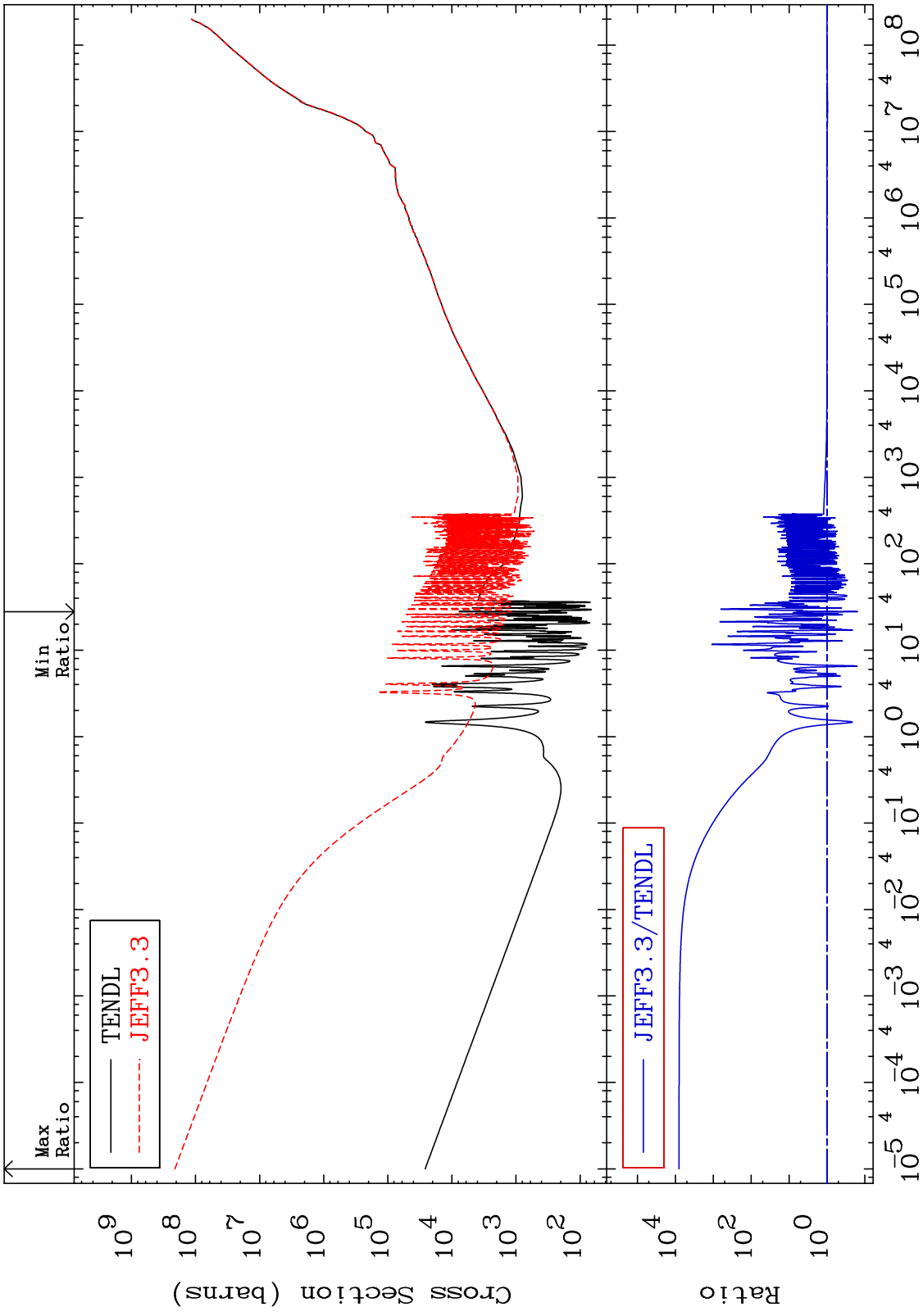
73 71-Lu-173

MAT 7119 71-Lu-173
-97.65 To 9999. %
 Total photon (eV-barns)
 Cross Section

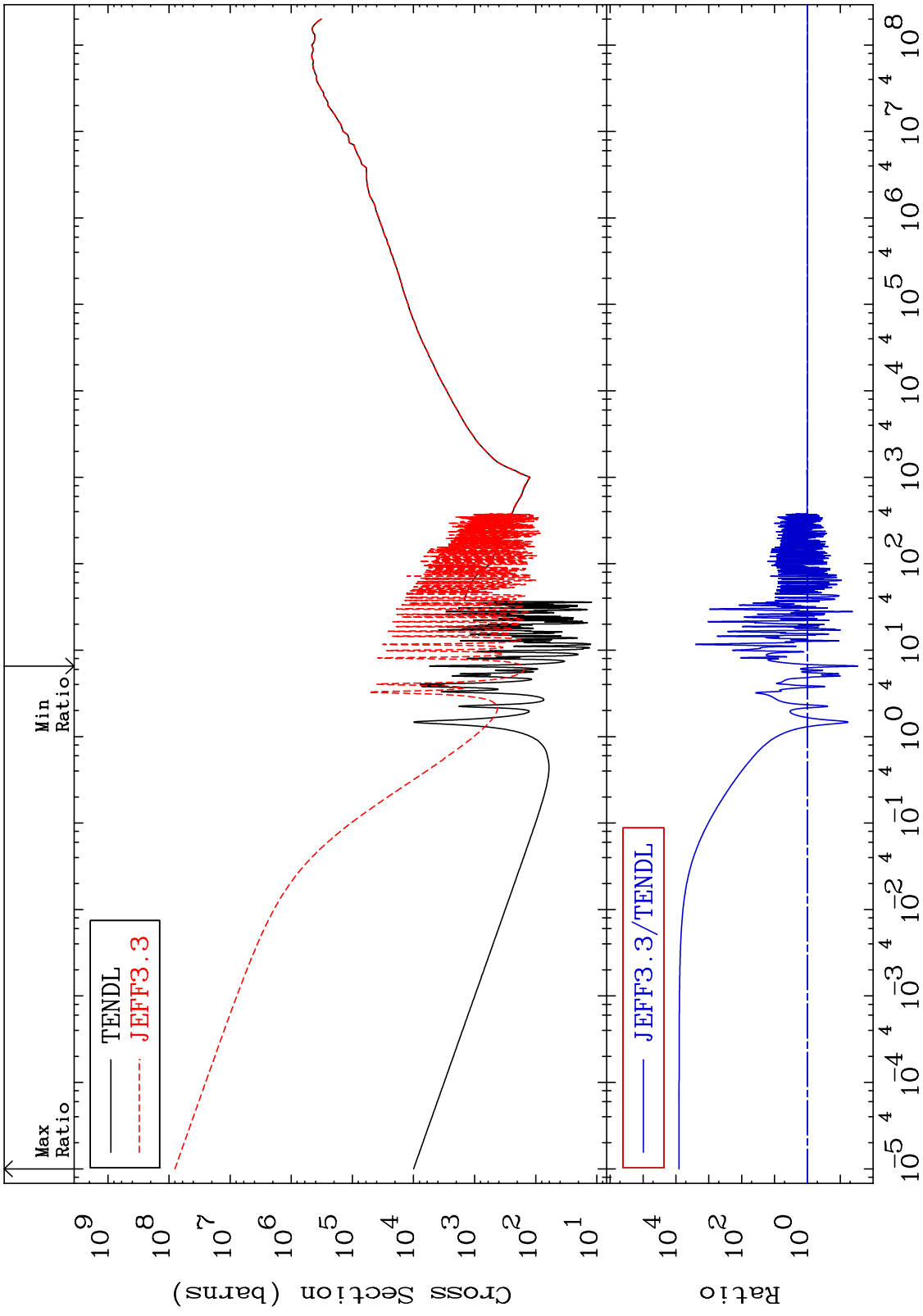


74 71-Lu-173

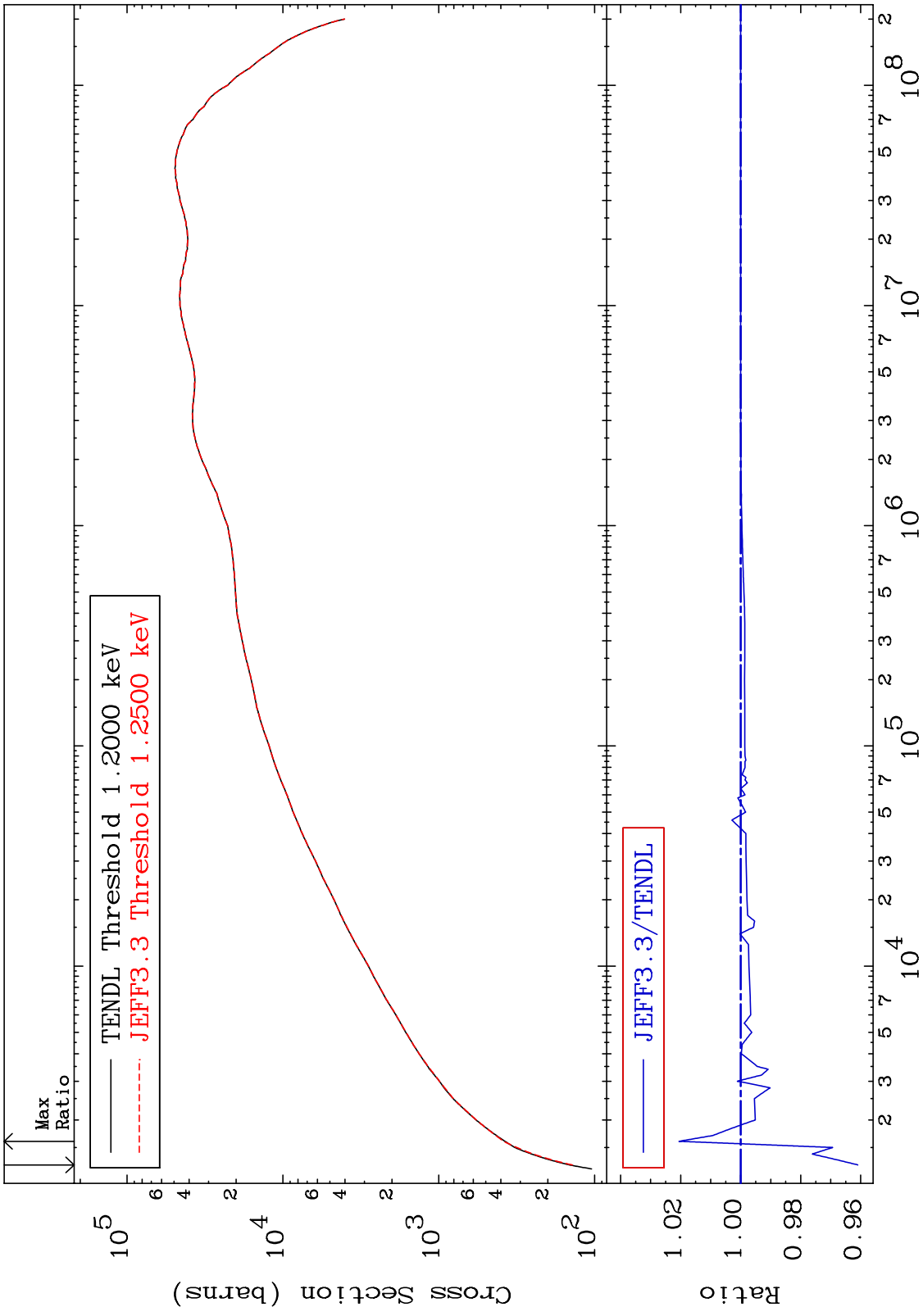
MAT 7119 Total kinematic kerma (high limit) 71-Lu-173
 Cross Section -84.65 To 9999. %



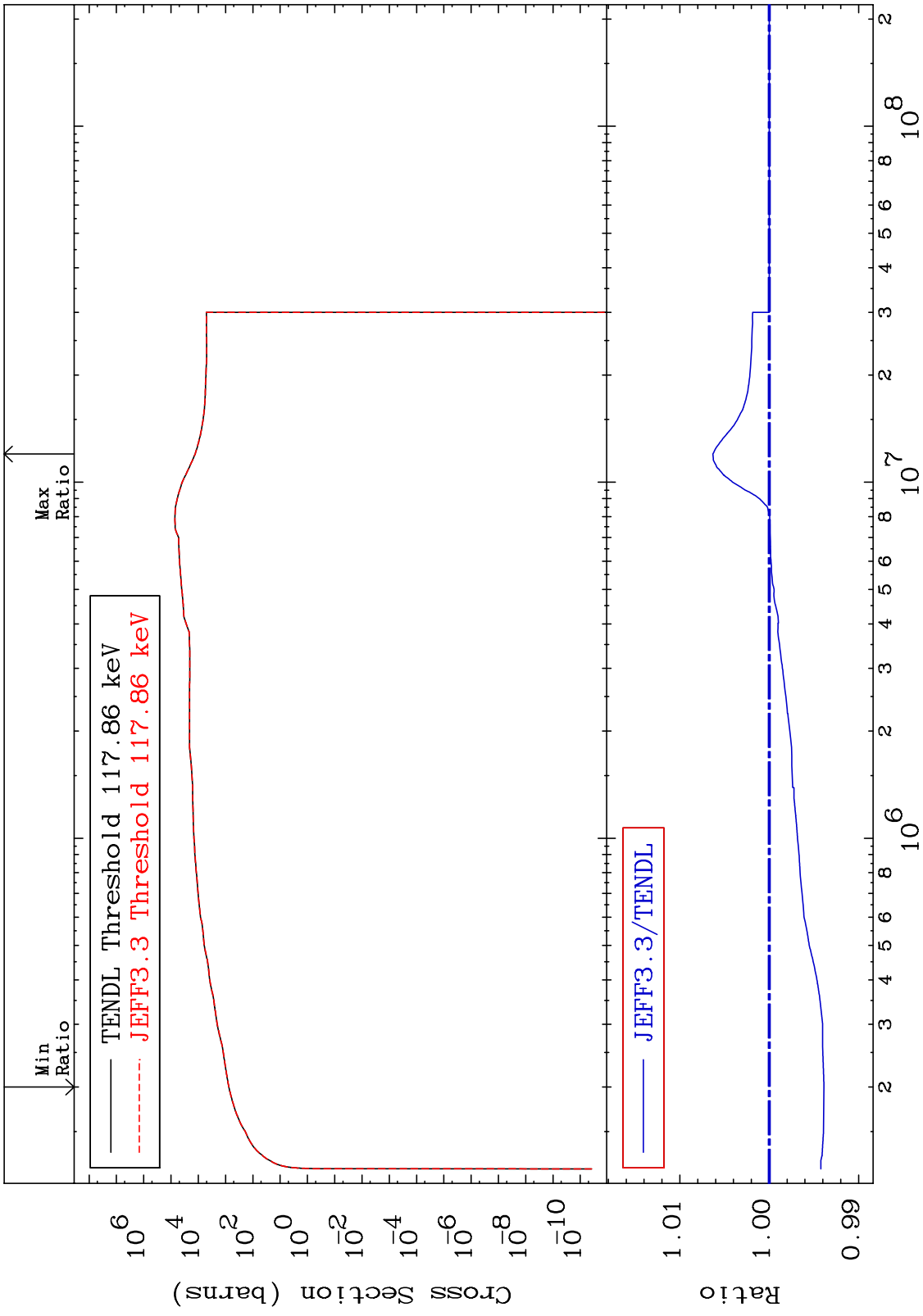
MAT 7119 Dpa total (eV-barns) 71-Lu-173
 Cross Section -97.07 To 9999. %



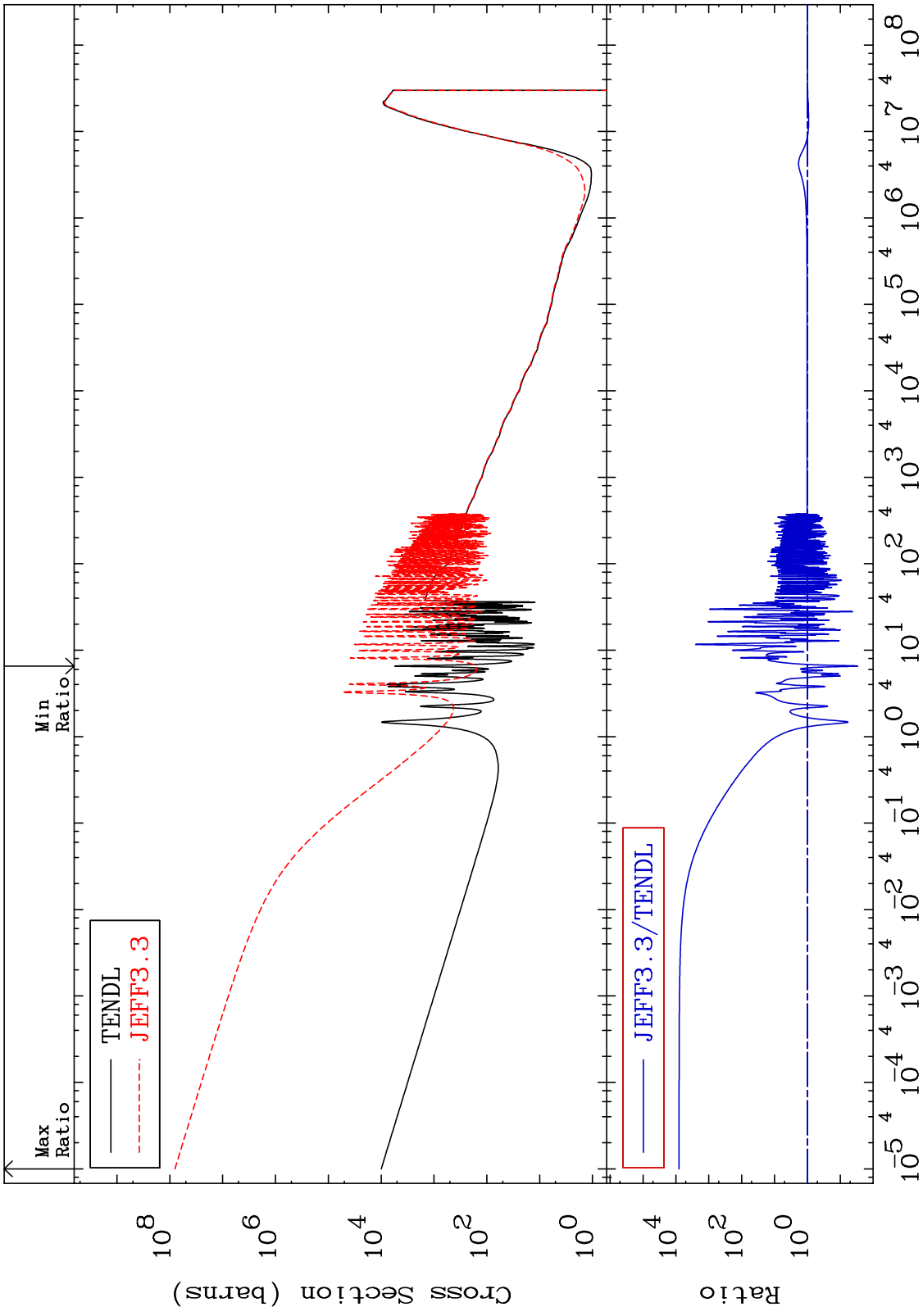
MAT 7119 Dpa elastic (mt2) 71-Lu-173
 Cross Section -3.904 To 2.054 %

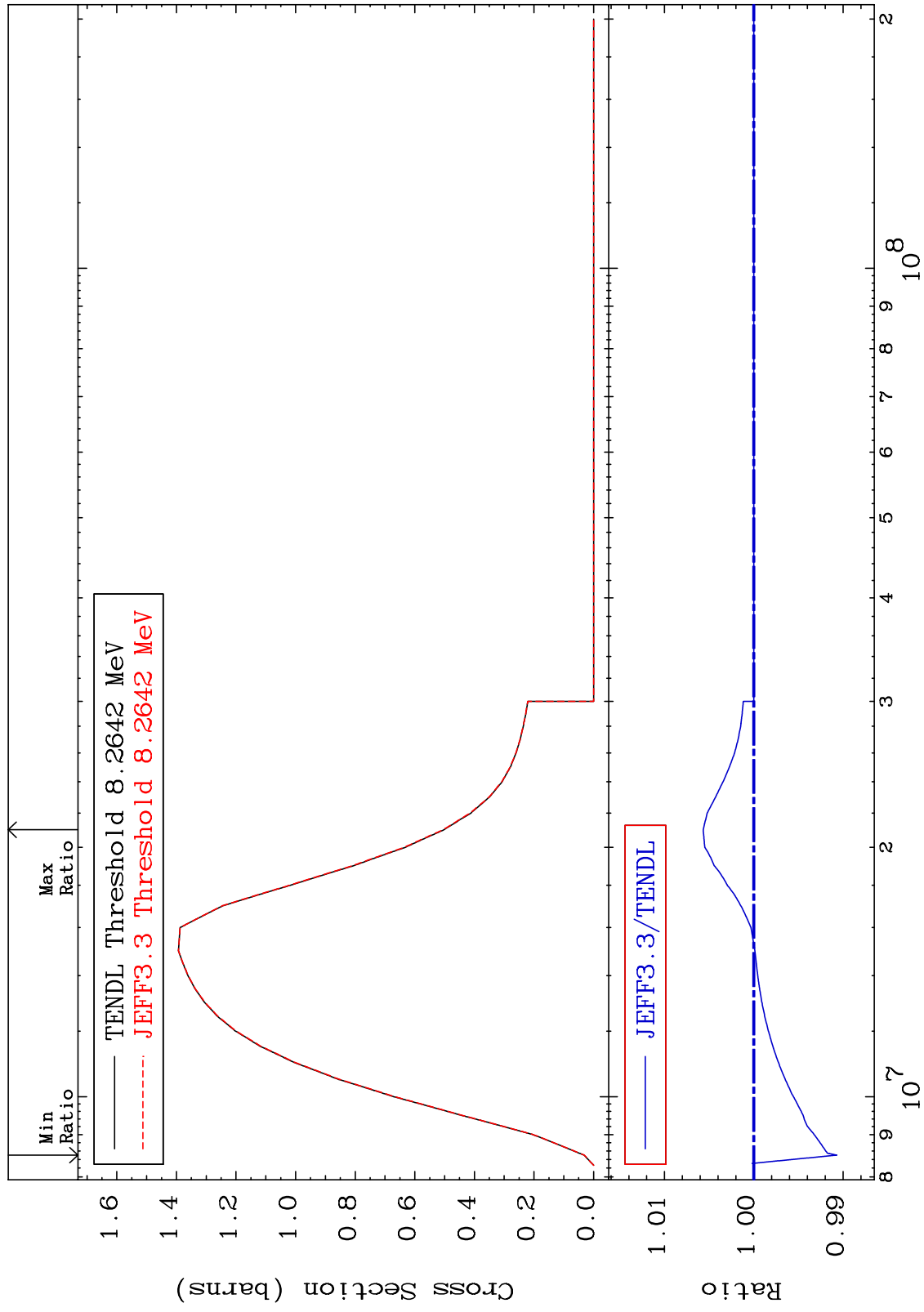


MAT 7119 Dpa inelastic (mt51-91) 71-Lu-173
 Cross Section -0.612 To 0.630 %



MAT 7119 Dpa disappearance (mt102 -120) 71-Lu-173
 Cross Section -97.07 To 9999. %



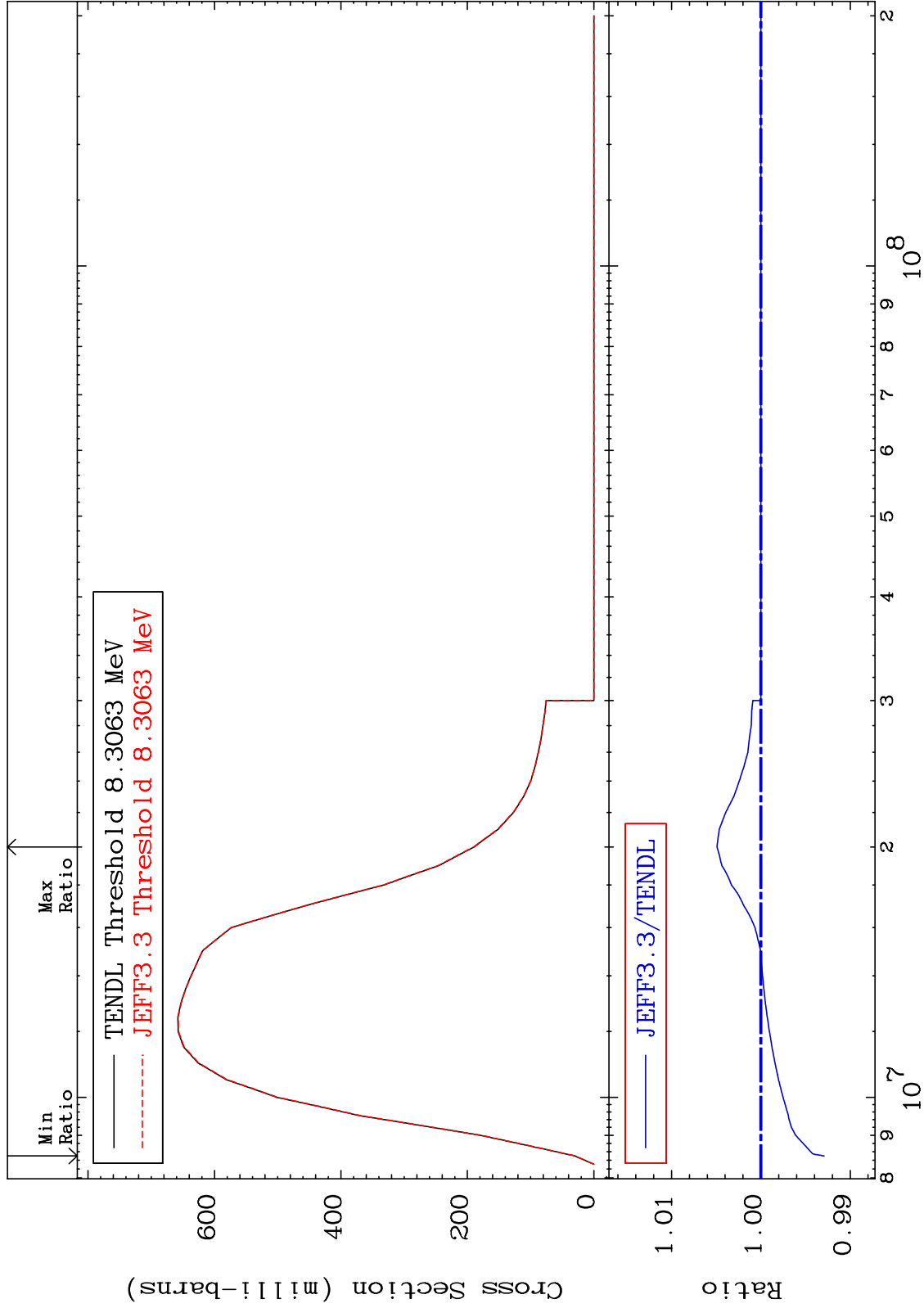


MAT 7119

(n,2n):71-Lu-172m1

71-Lu-173

Radionuclide Production Cross Section -0.708 To 0.492 %

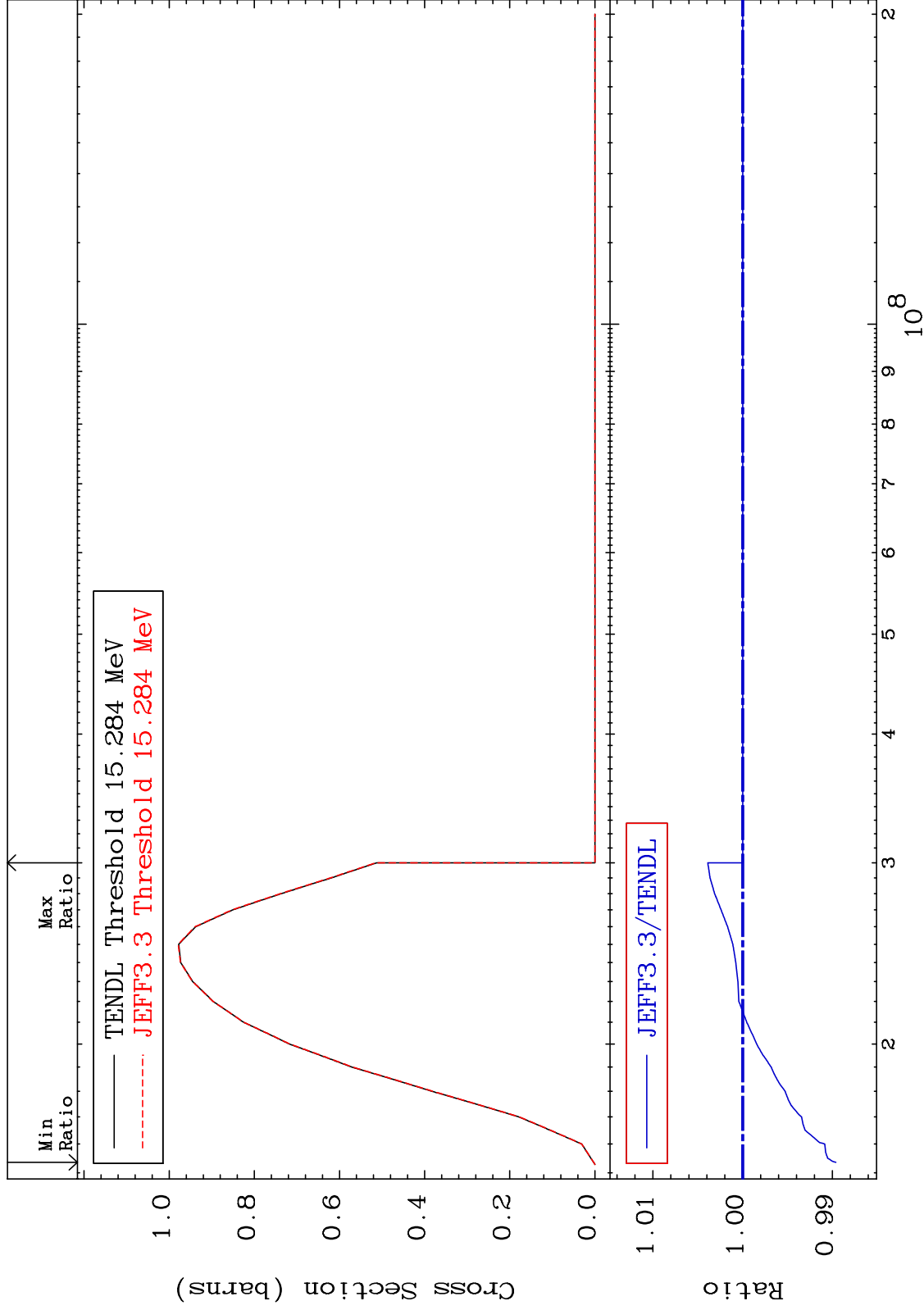


MAT 7119

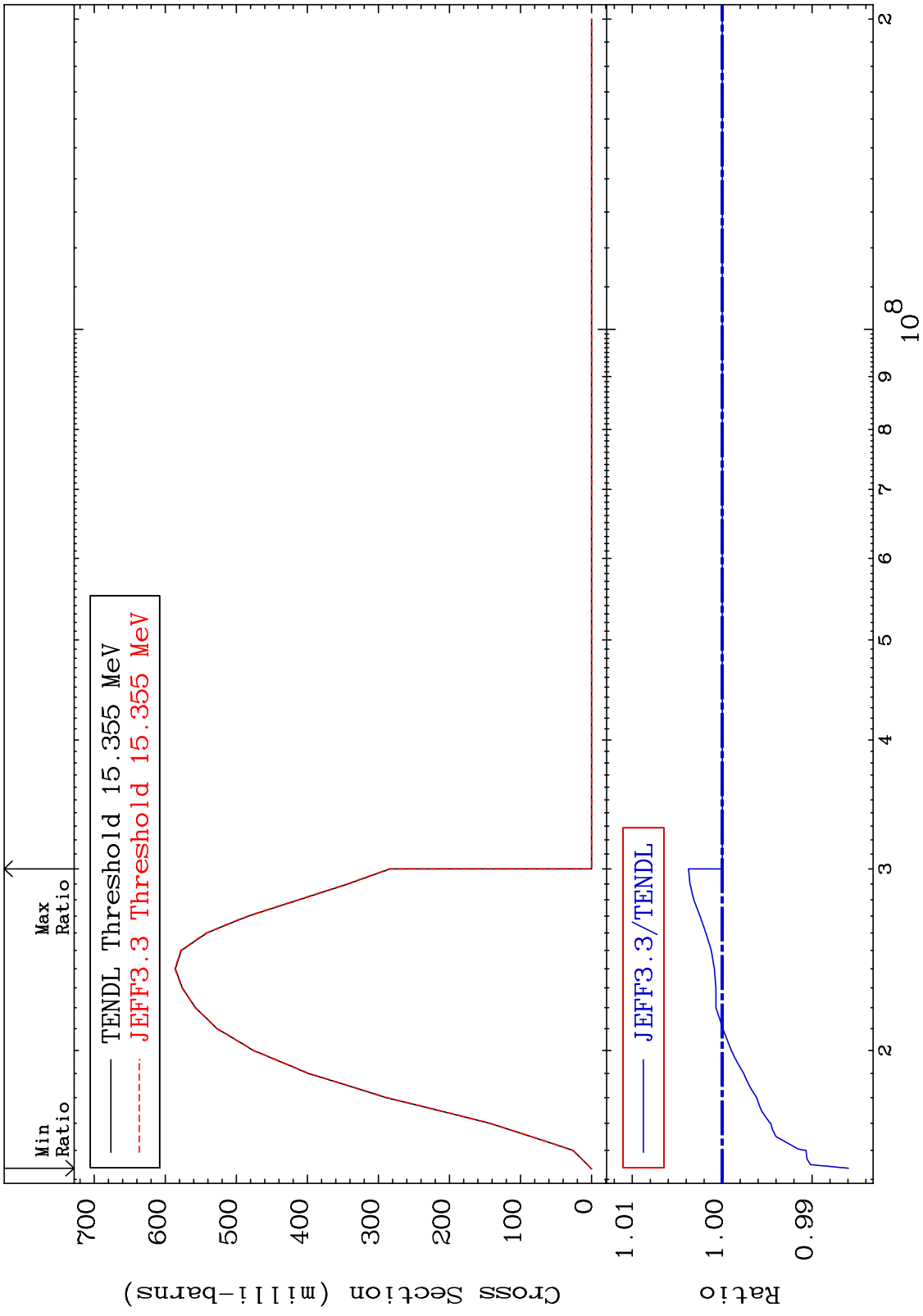
(n,3n):71-Lu-171g

71-Lu-173

Radionuclide Production Cross Section -1.040 To 0.389 %



MAT 7119 (n,3n):71-Lu-171m1 71-Lu-173
 Radionuclide Production Cross Section -1.406 To 0.376 %

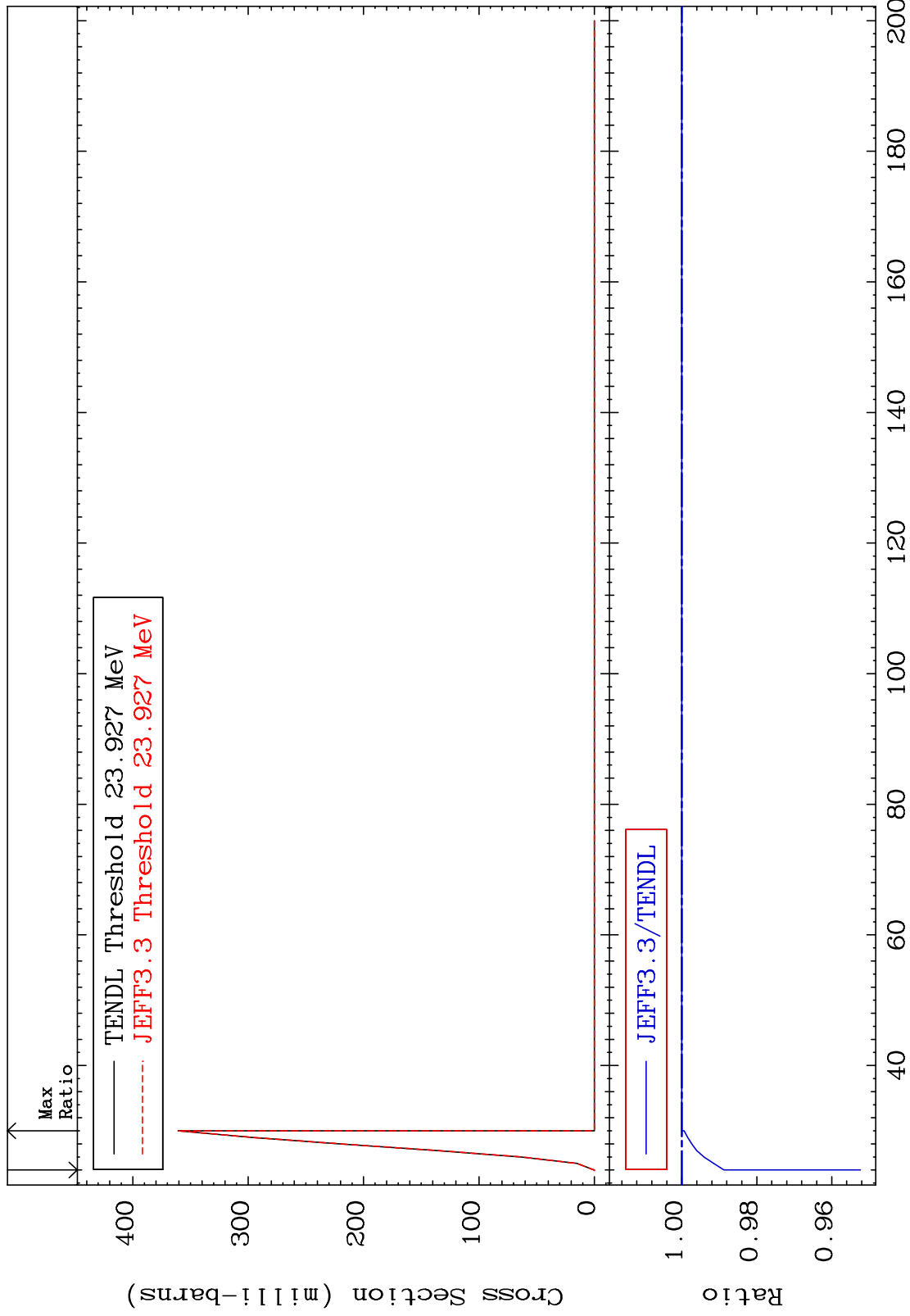


MAT 7119

(n,4n):71-Lu-170g

71-Lu-173

Radionuclide Production Cross Section -4.766 To 0.000 %



MAT 7119

(n, 4n) : 71-Lu-170m2

71-Lu-173

Radionuclide Production Cross Section -1.274 To 0.000 %

