

Program Complot
(Version 2018-1)

by

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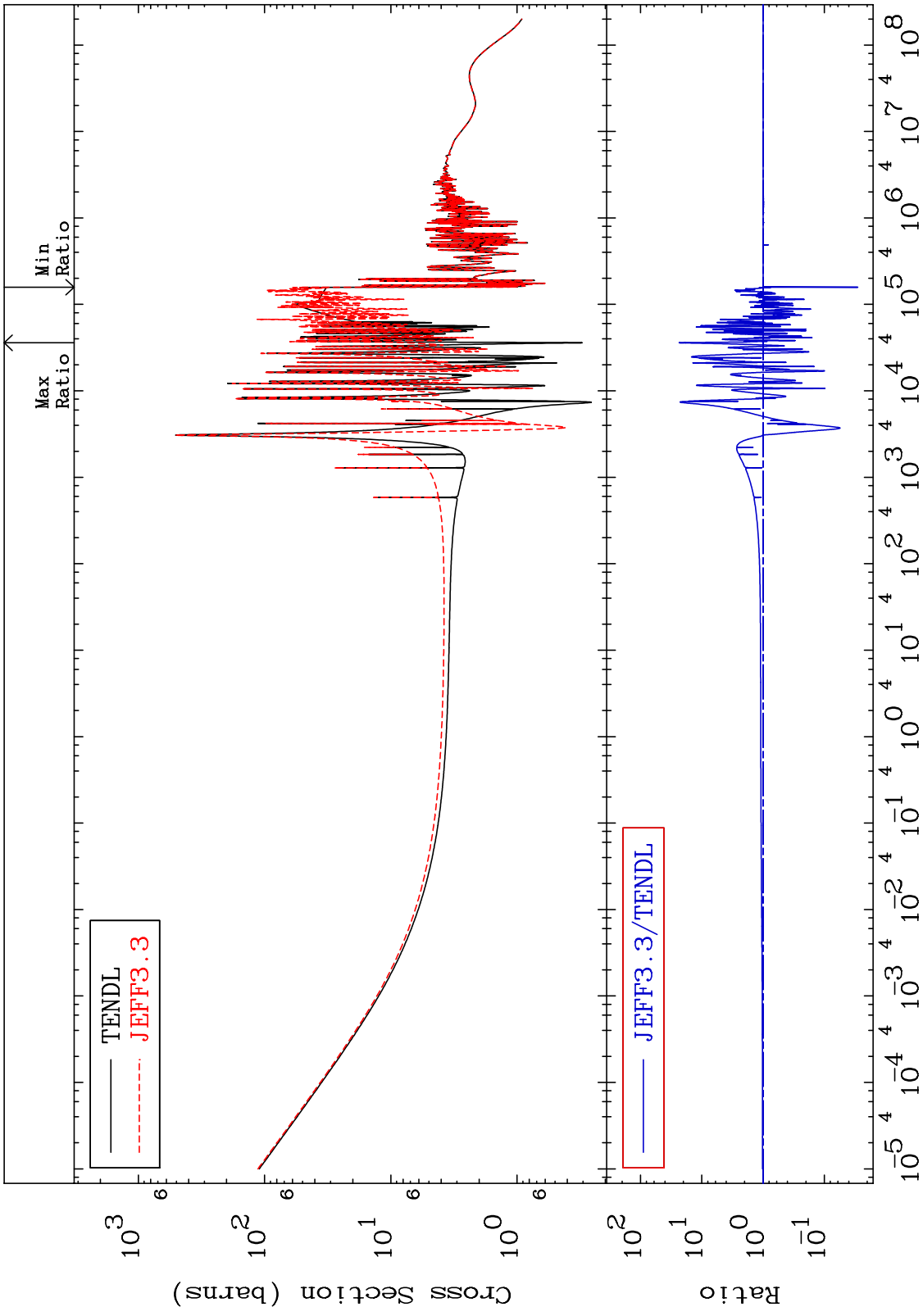
U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
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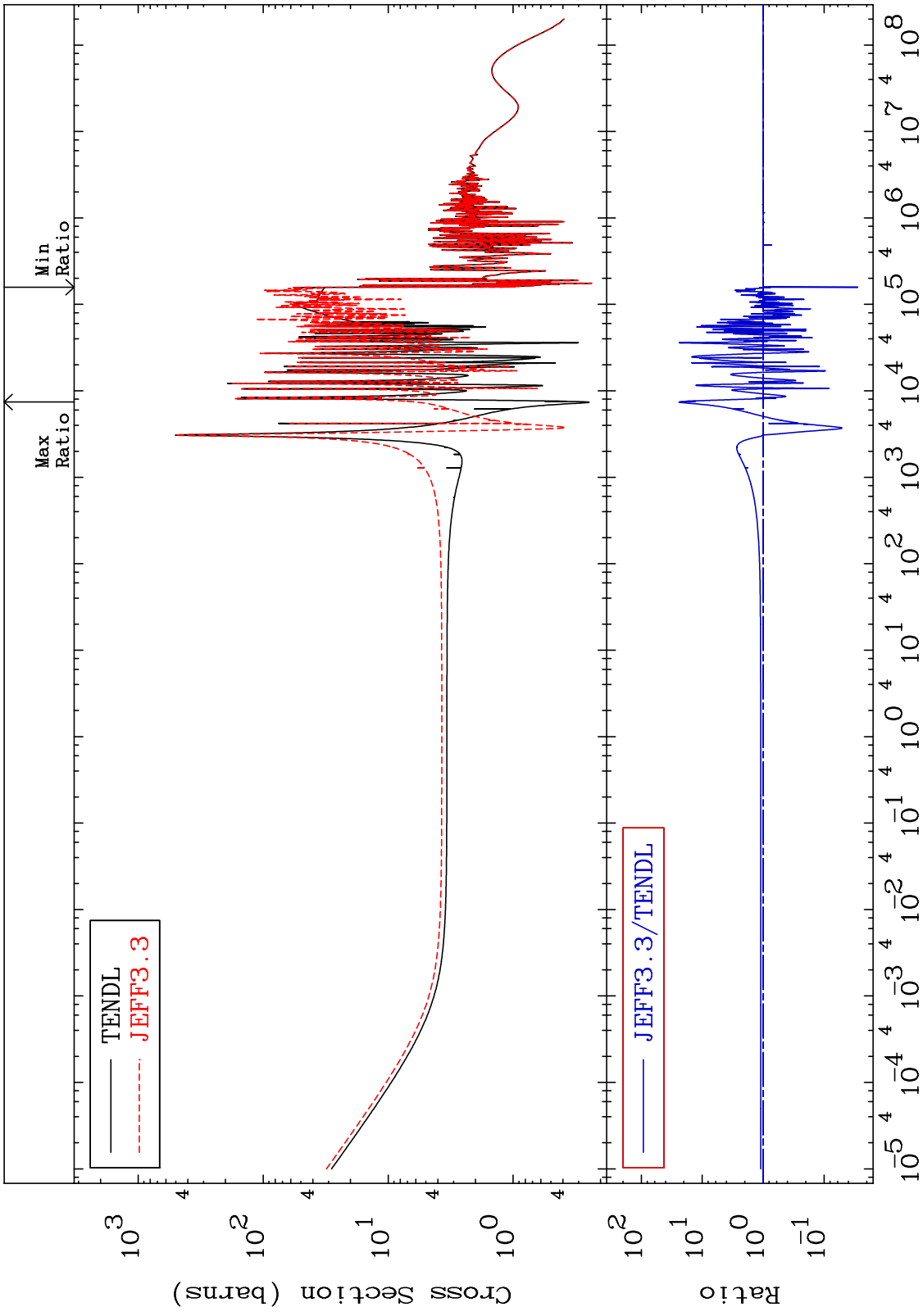
Press Mouse Button to Start

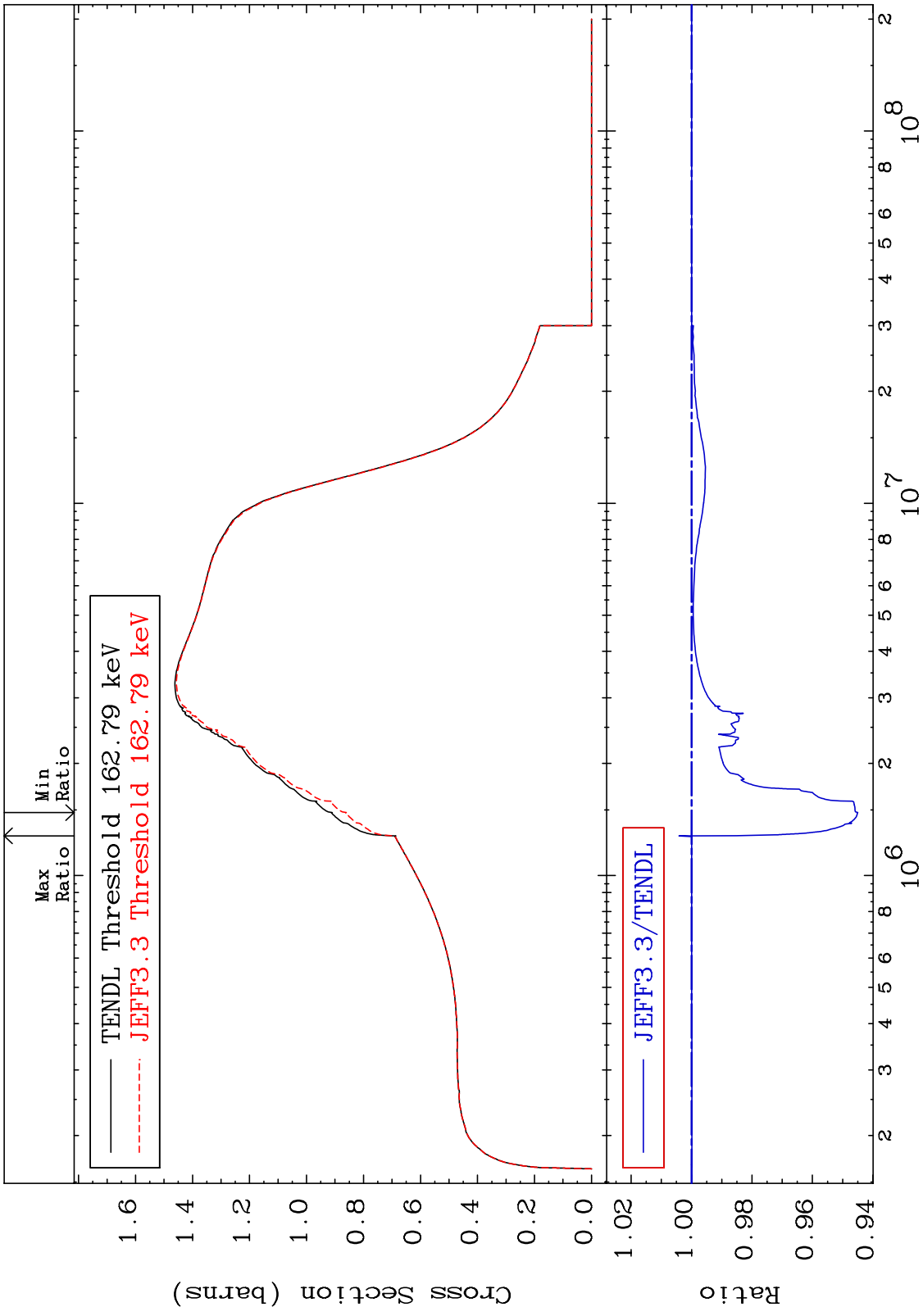
MAT 2228 Total Cross Section 22-Ti-47 -97.16 To 2253. %



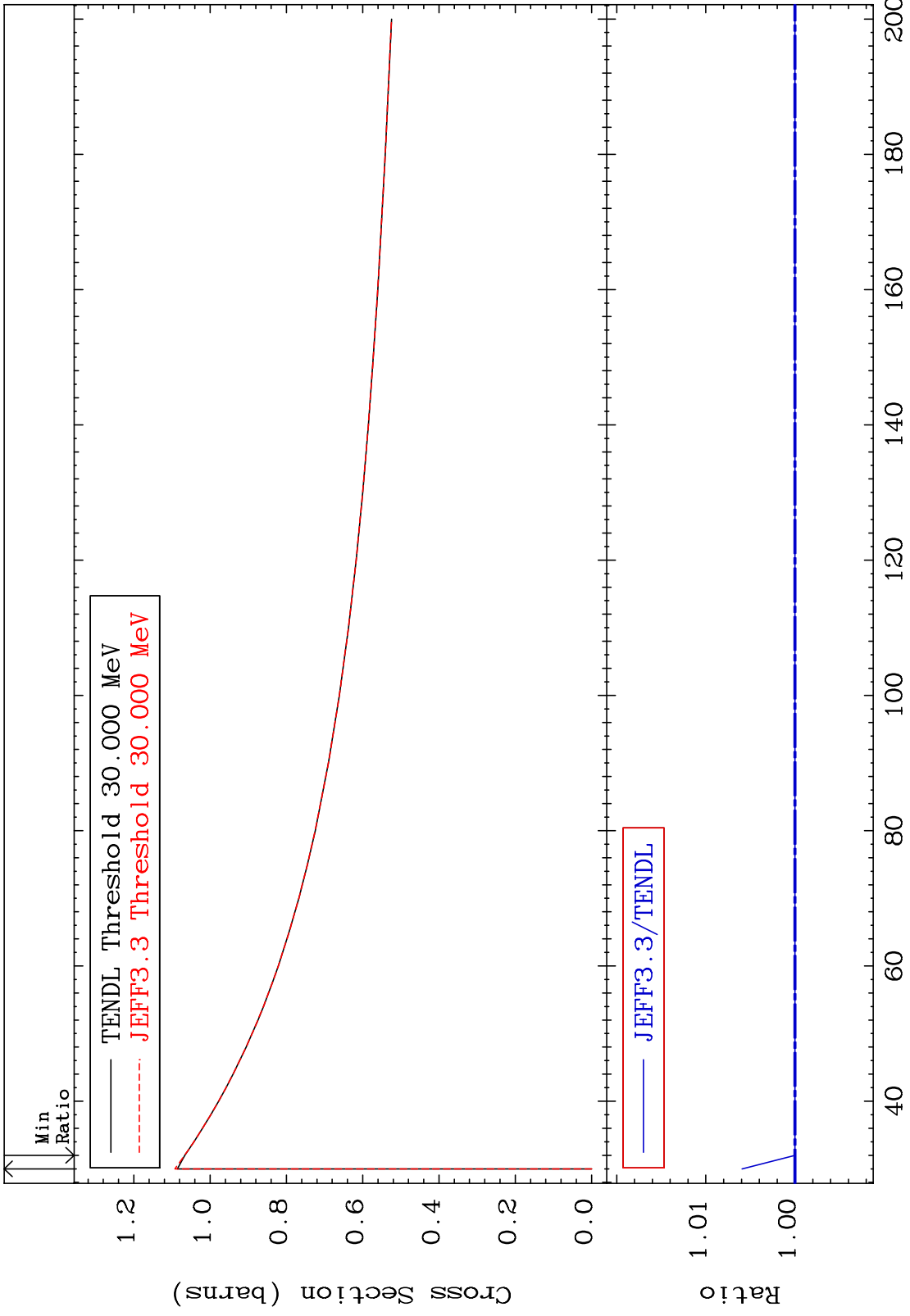
1 Incident Energy (eV) 22-Ti-47

MAT 2228 Elastic Cross Section 22-Ti-47 -97.20 To 2301. %

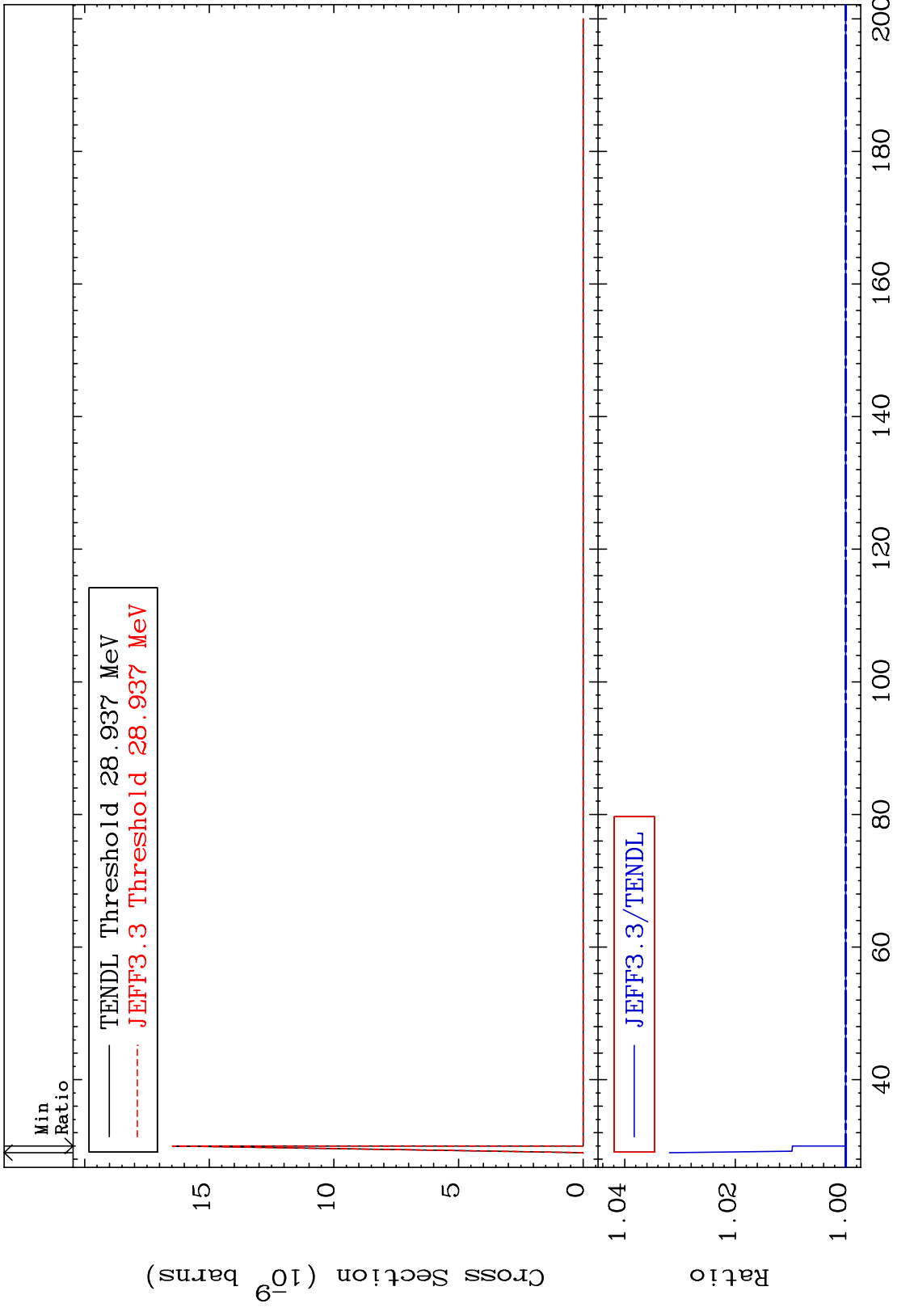




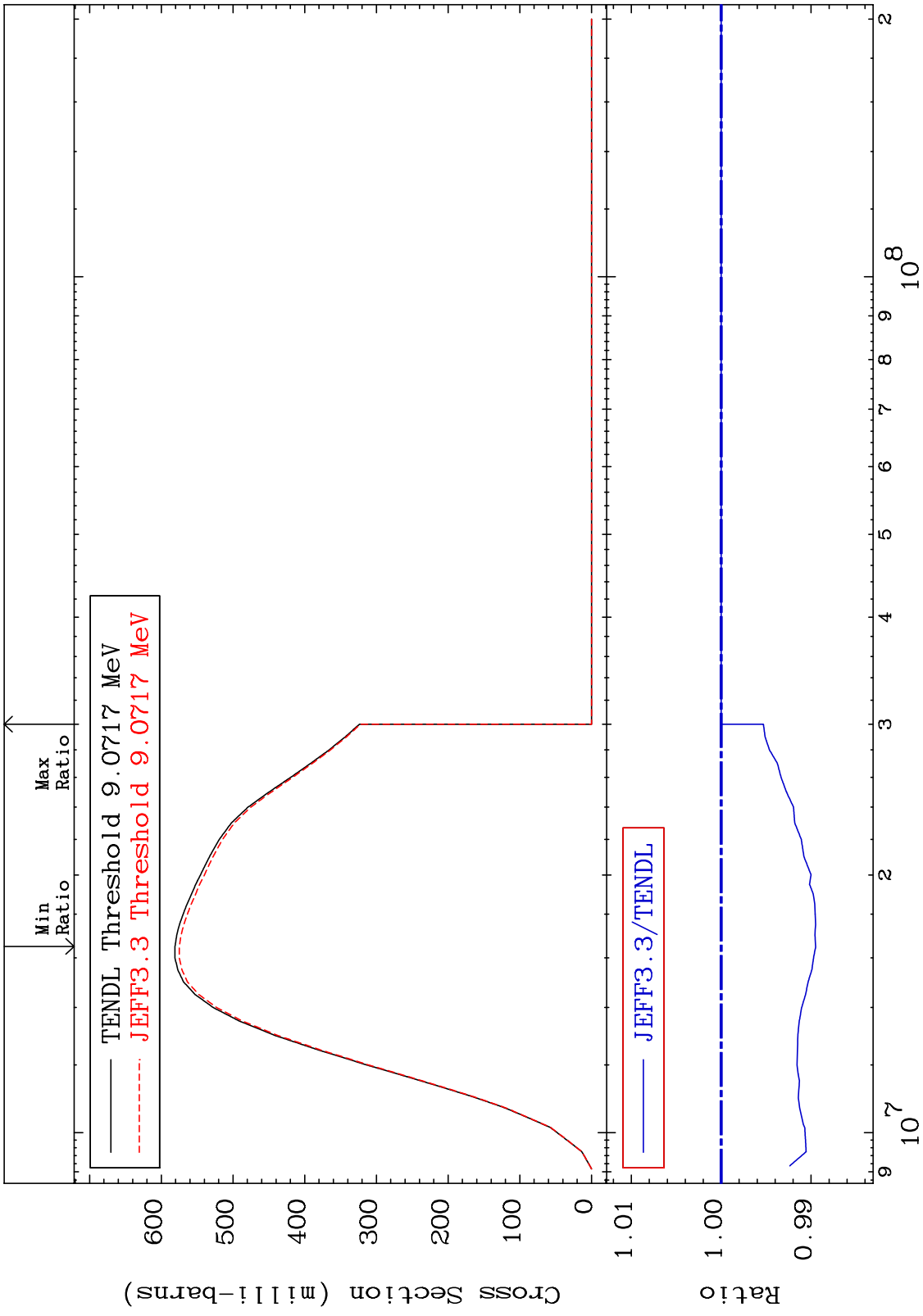
MAT 2228 (n, remainder) Cross Section 22-Ti-47
 0.000 To 0.593 %



MAT 2228 (n,2n) d 22-Ti-47
Cross Section 0.000 To 3.192 %

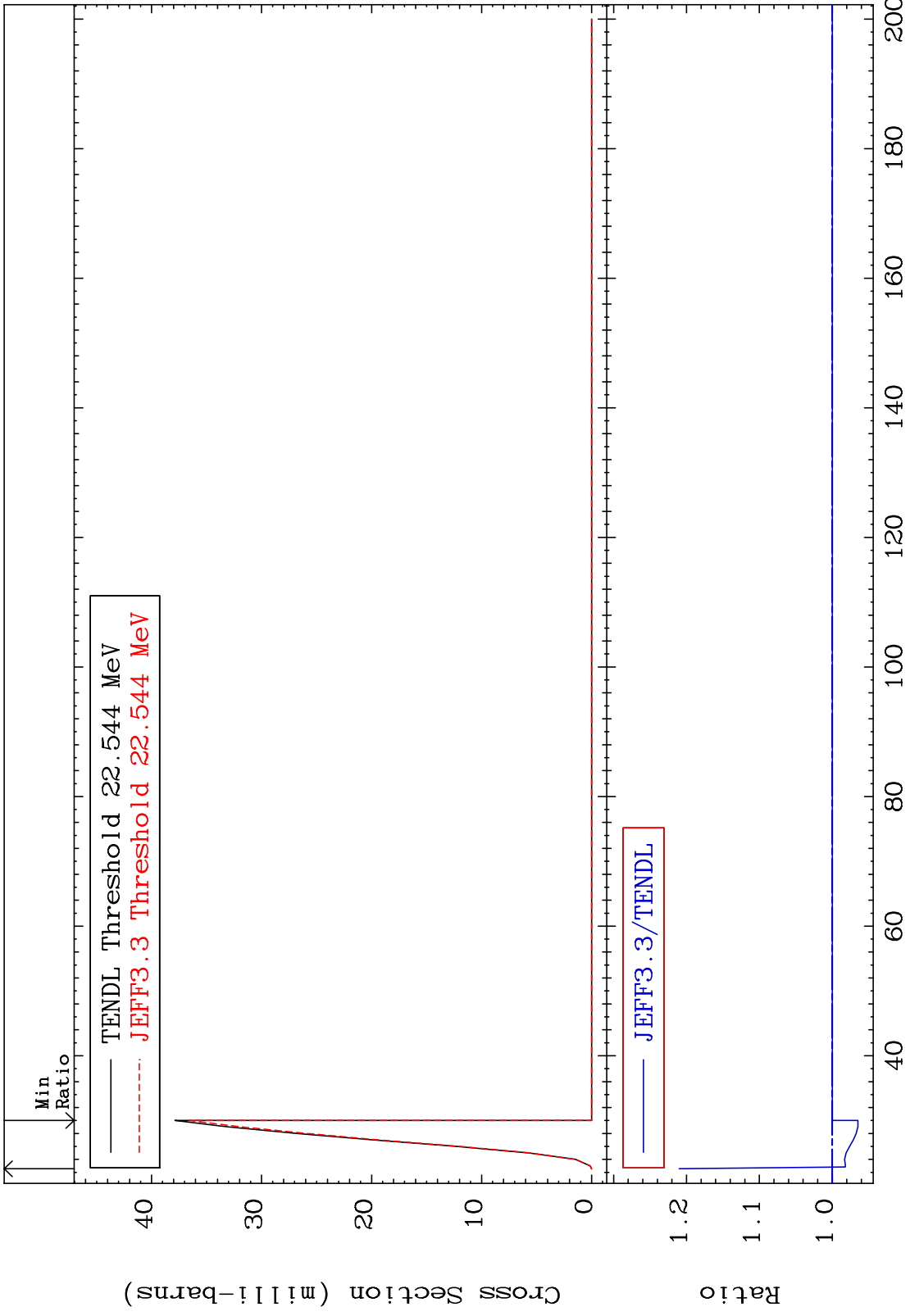


MAT 2228 $(n,2n)$ Cross Section $^{22}\text{Ti-47}$ -1.051 To 0.000 %

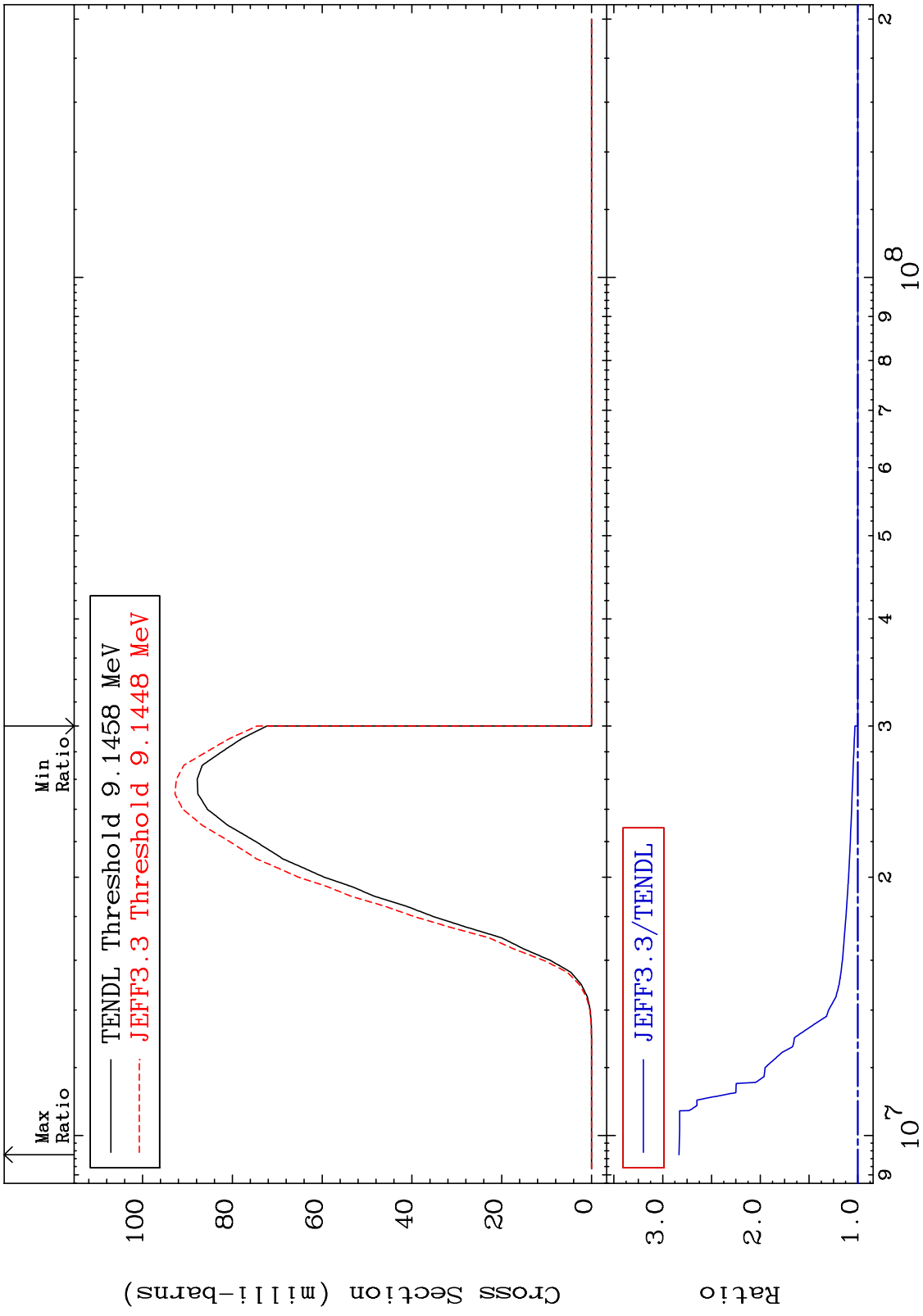


Ratio $^{22}\text{Ti-47}$

MAT 2228 (n,3n) Cross Section 22-Ti-47 -3.529 To 21.01 %

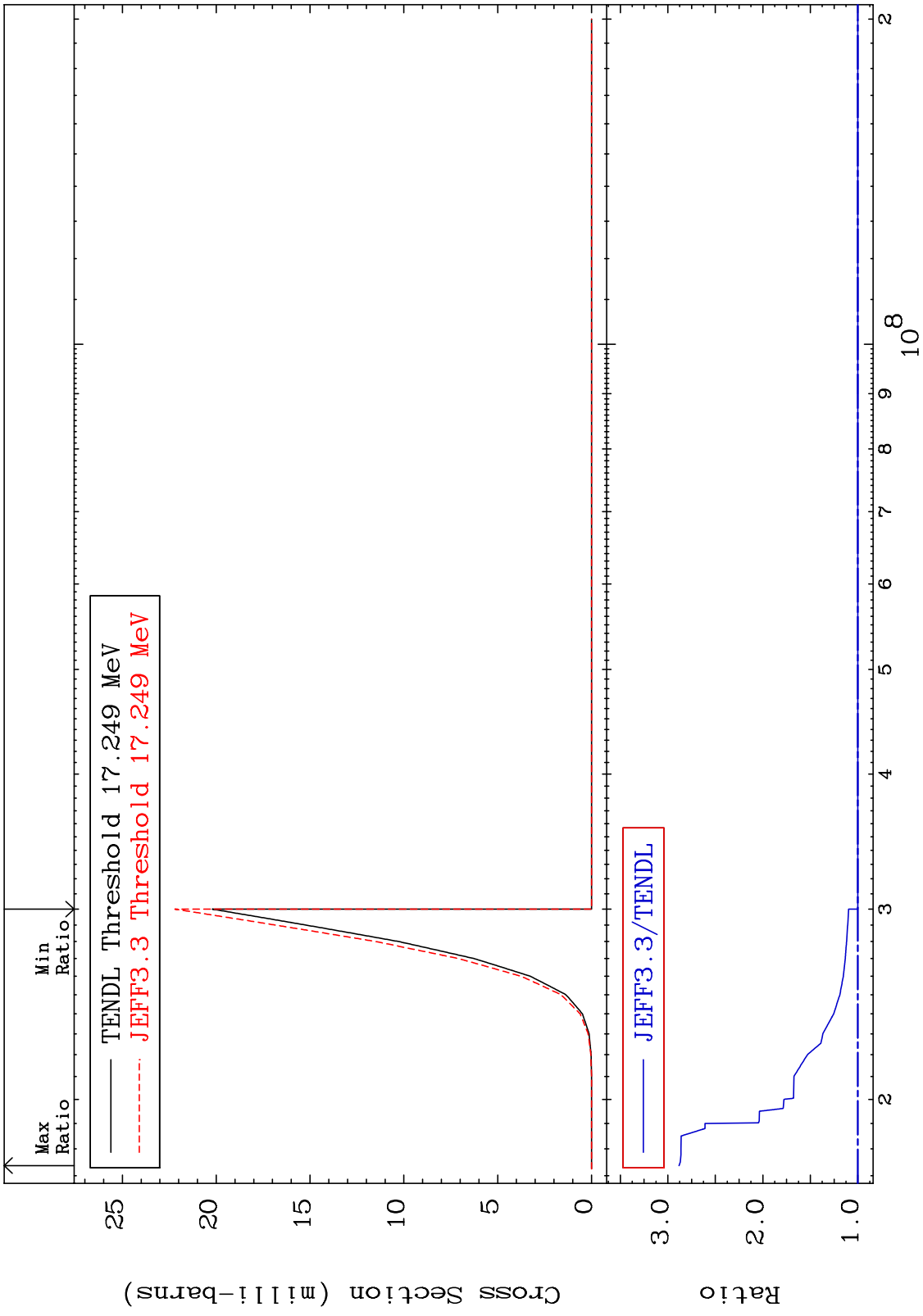


MAT 2228 $(n, n') \alpha$ Cross Section 22-Ti-47 To 183.3 %

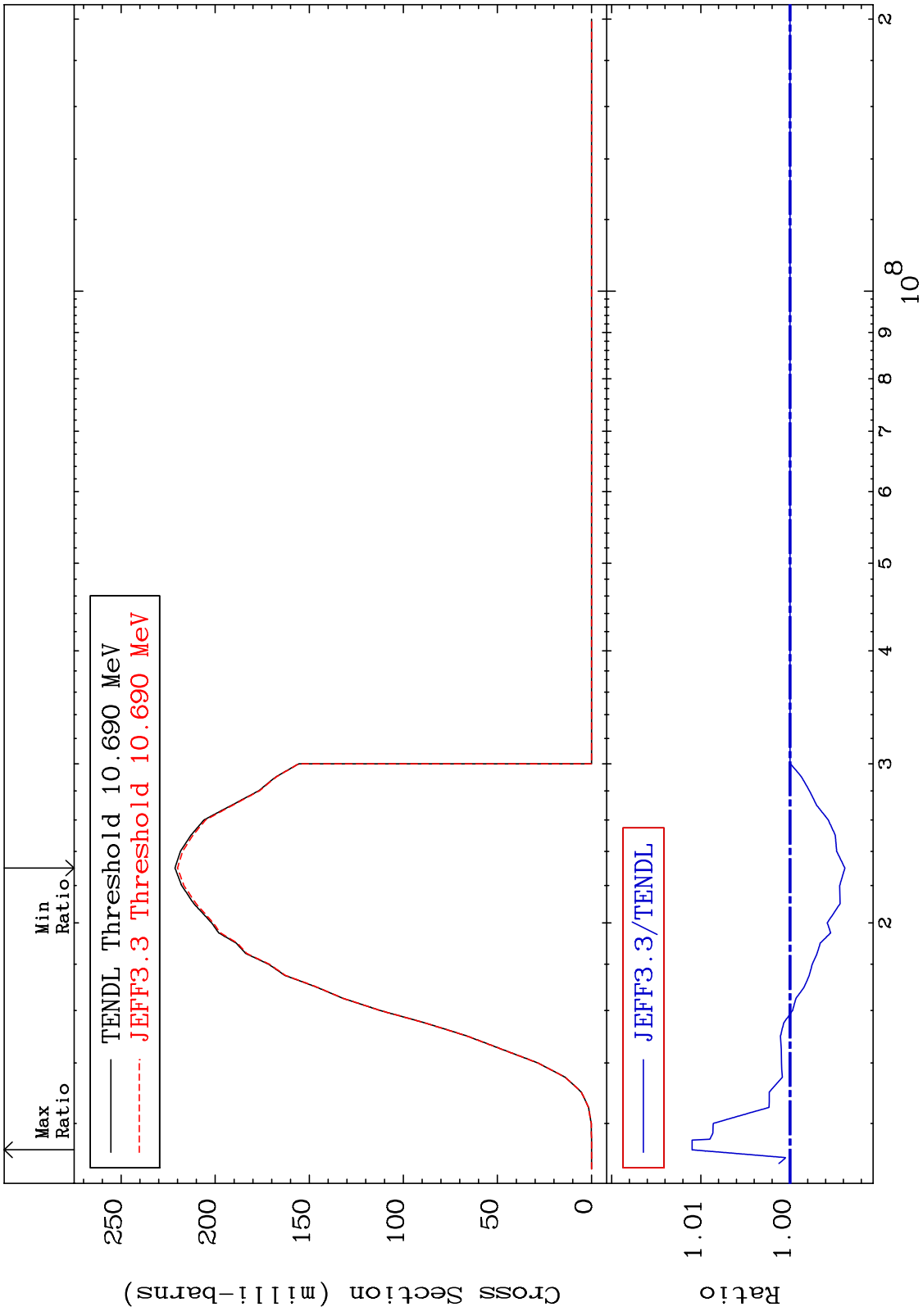


Incident Energy (eV) 22-Ti-47

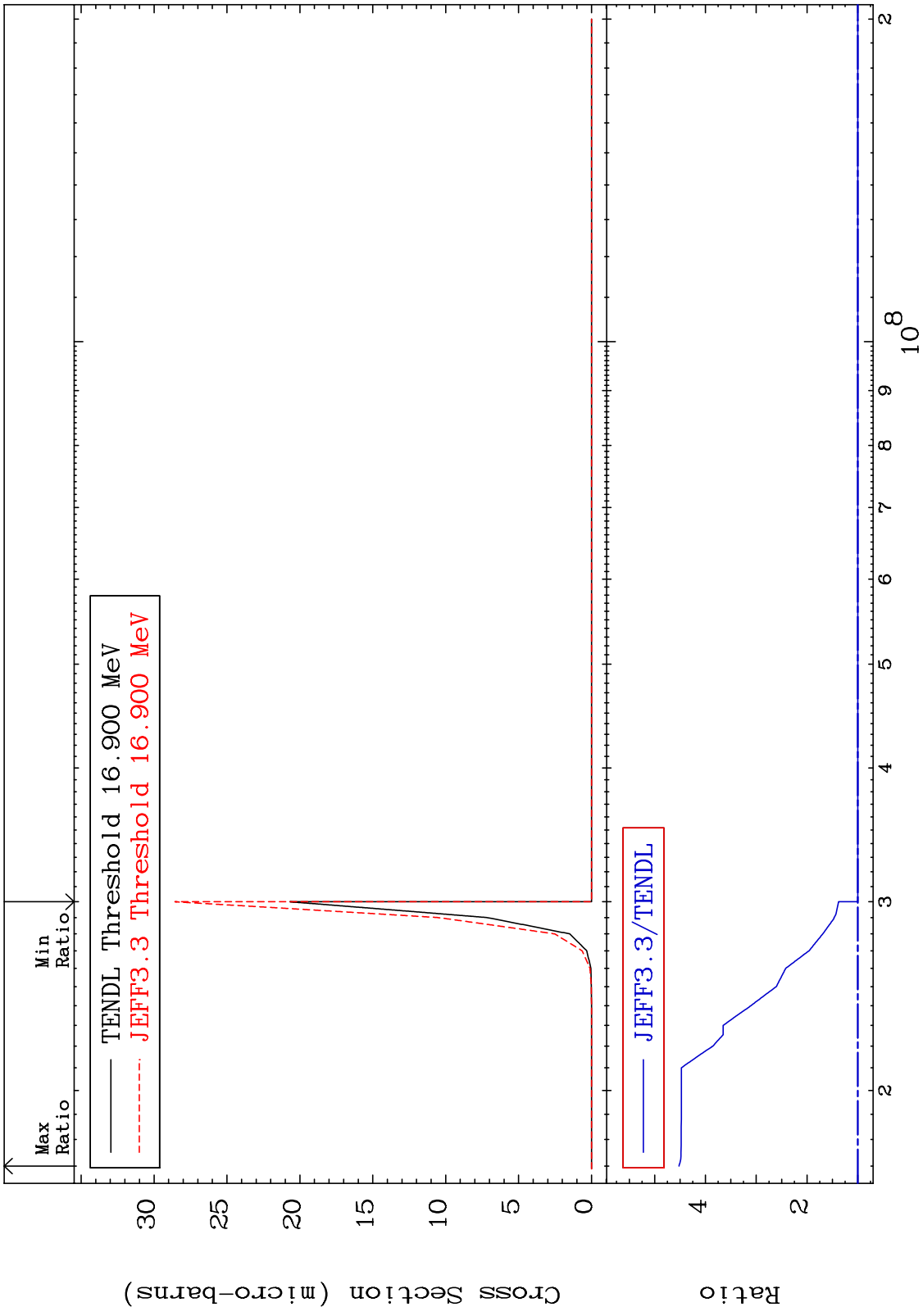
MAT 2228 $(n, 2n) \alpha$ $^{22}\text{Ti-47}$
 Cross Section 0.000 To 188.2 %



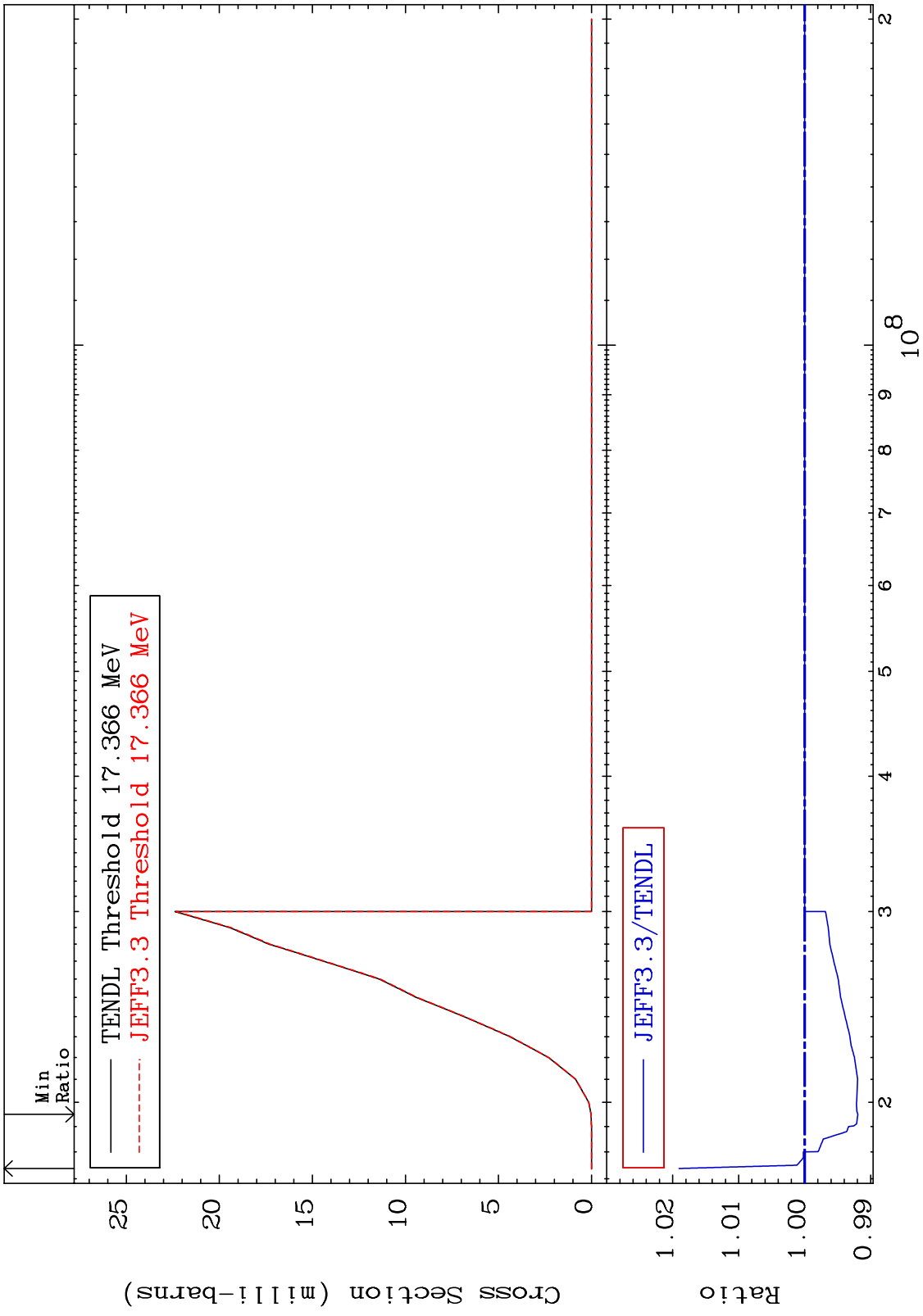
MAT 2228 (n,n') p 22-Ti-47
Cross Section -0.616 To 1.098 %



MAT 2228 (n,n') 2α Cross Section 22-Ti-47 0.000 To 352.0 %

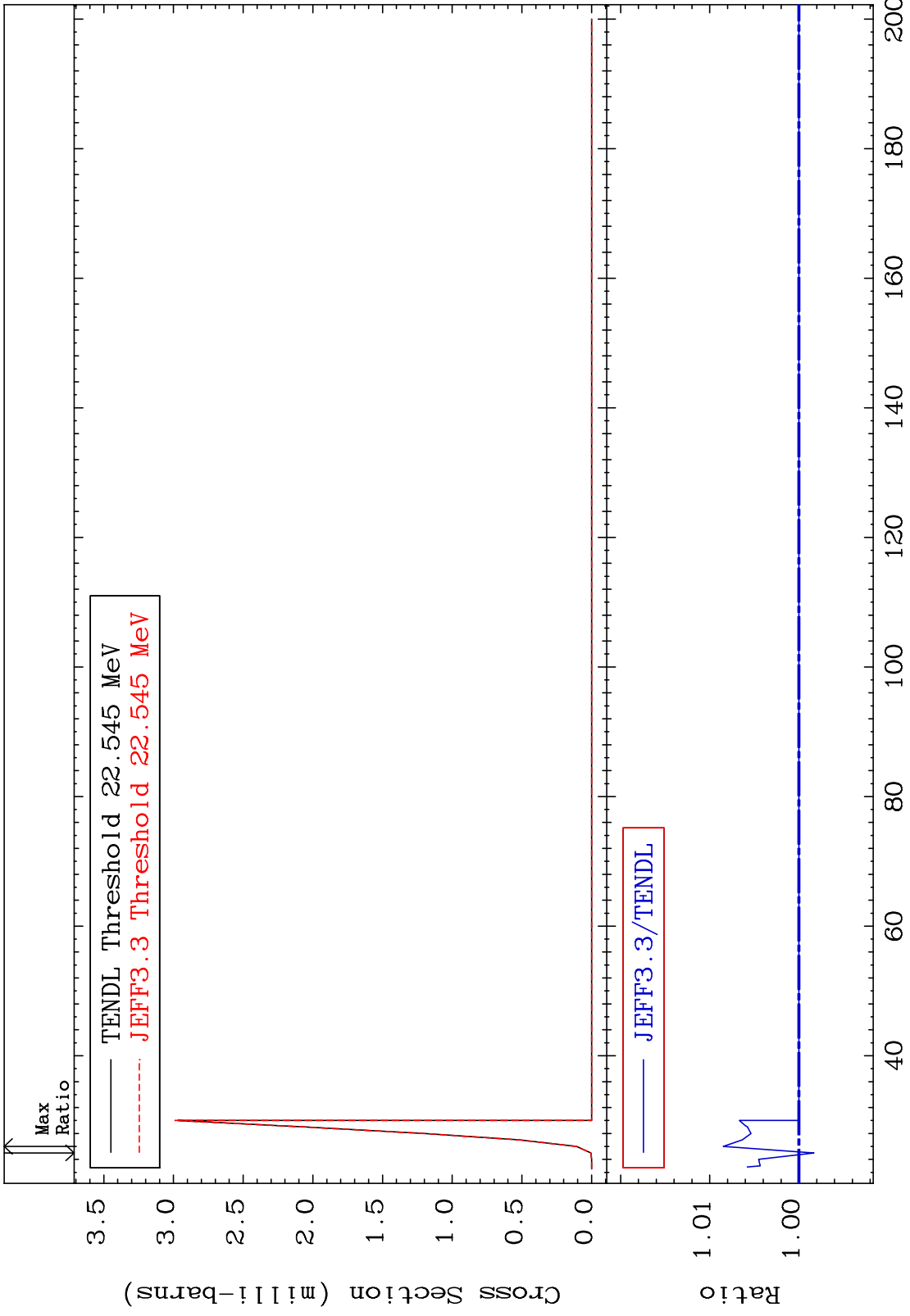


MAT 2228 (n,n') d 22-Ti-47
 Cross Section -0.806 To 1.903 %

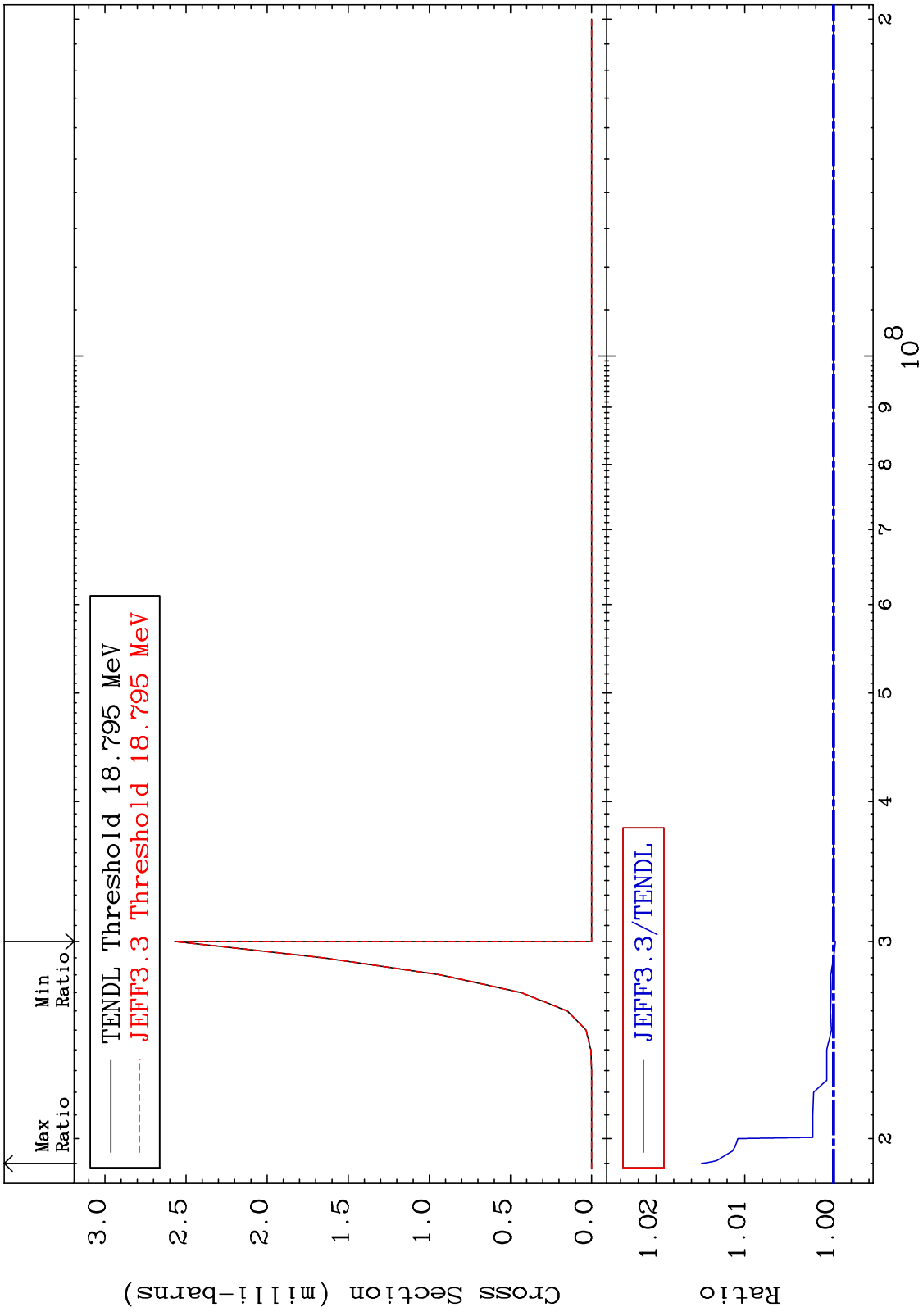


12 22-Ti-47

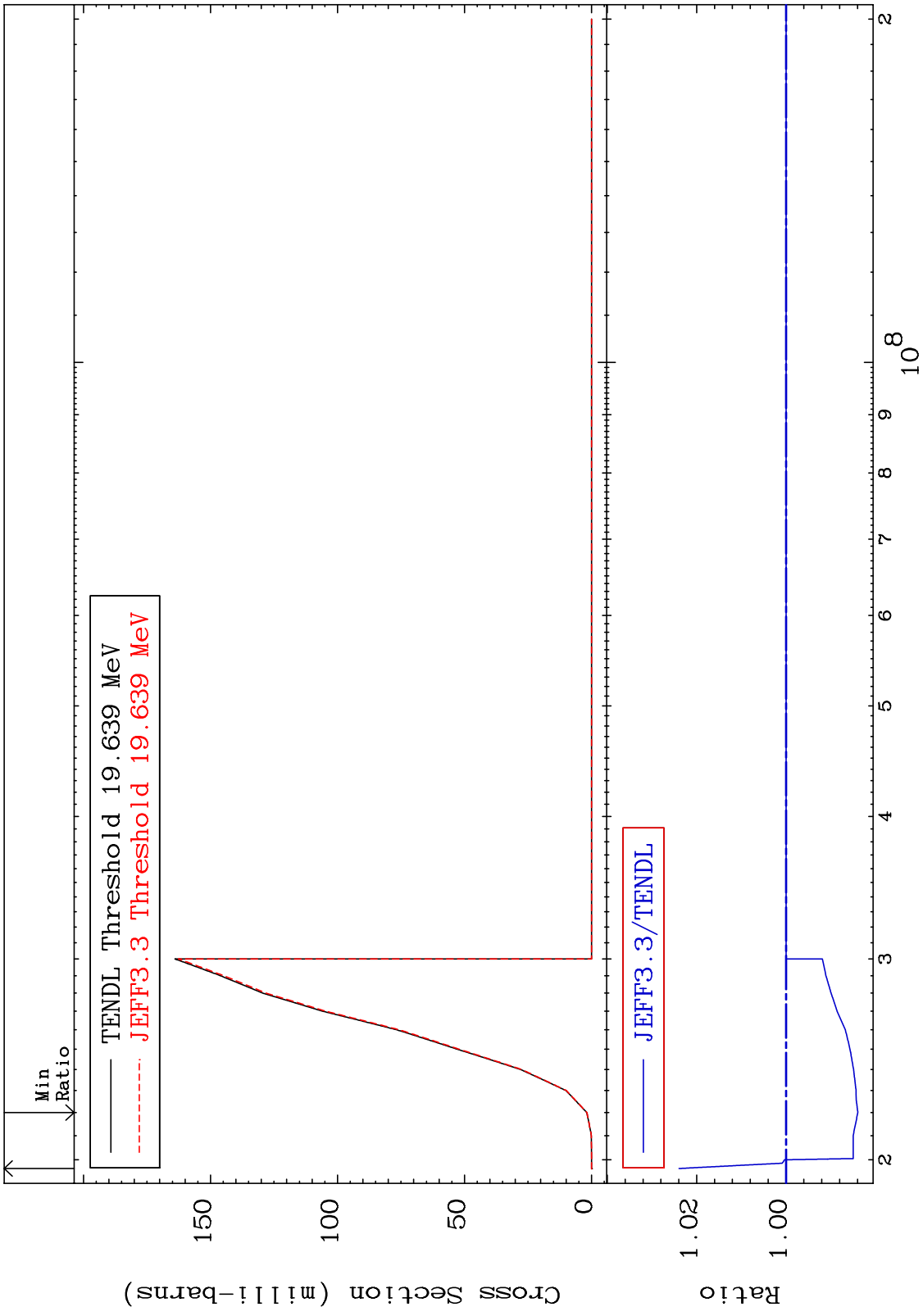
MAT 2228 (n,n') t 22-Ti-47
 Cross Section -0.168 To 0.849 %

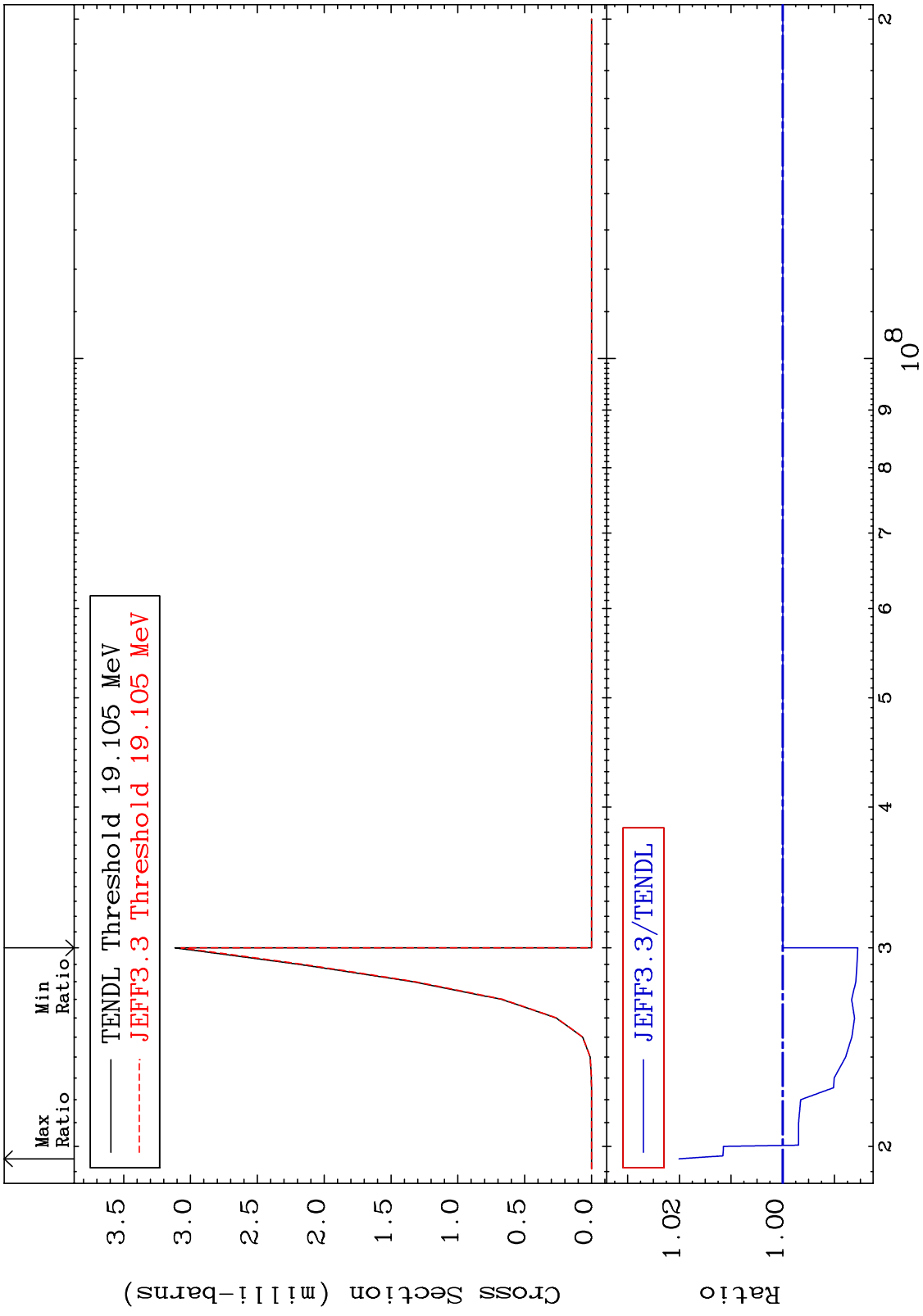


MAT 2228 (n,n') He-3 22-Ti-47
 Cross Section -0.021 To 1.488 %



MAT 2228 (n,2n) p 22-Ti-47
 Cross Section -1.608 To 2.394 %

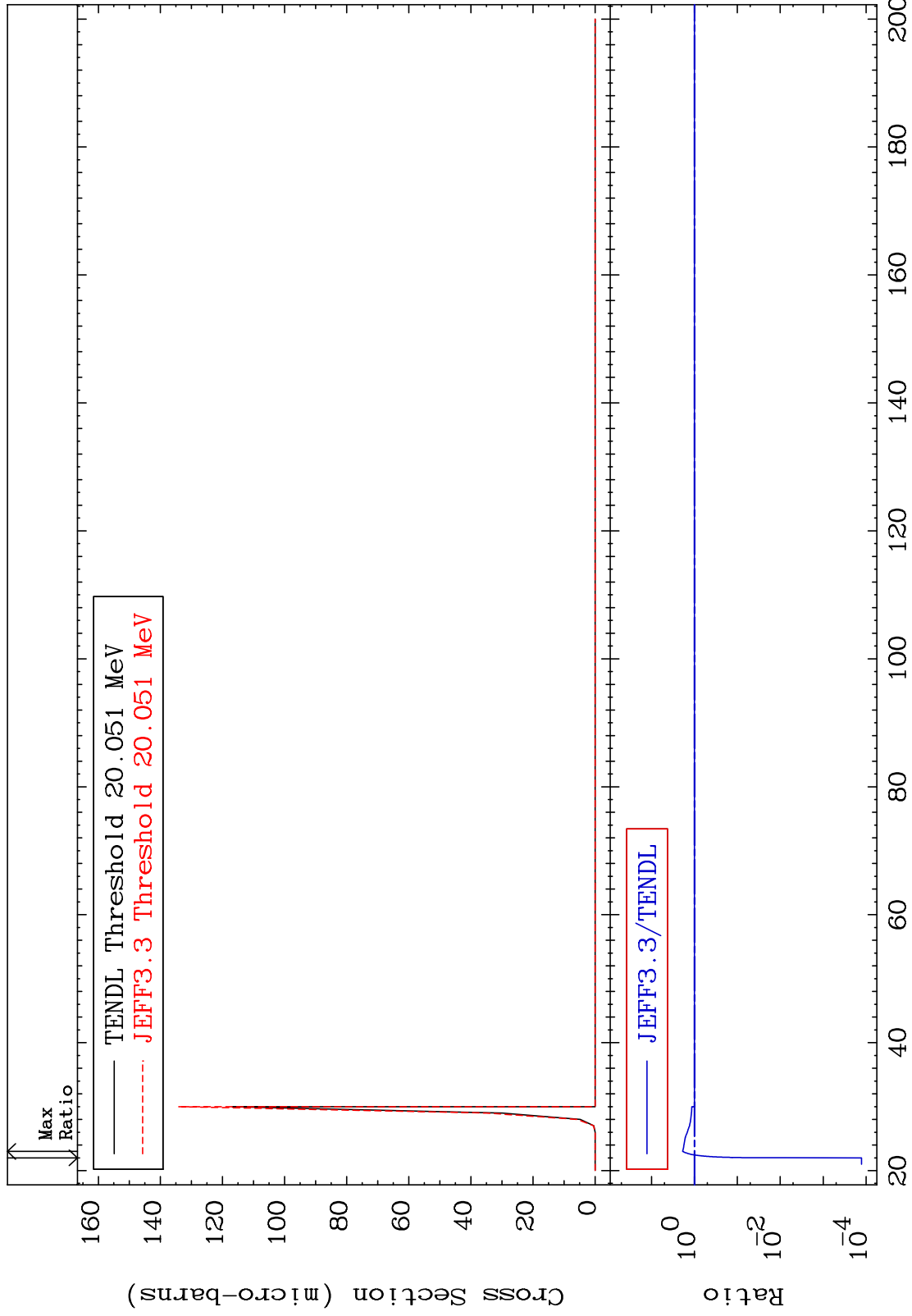




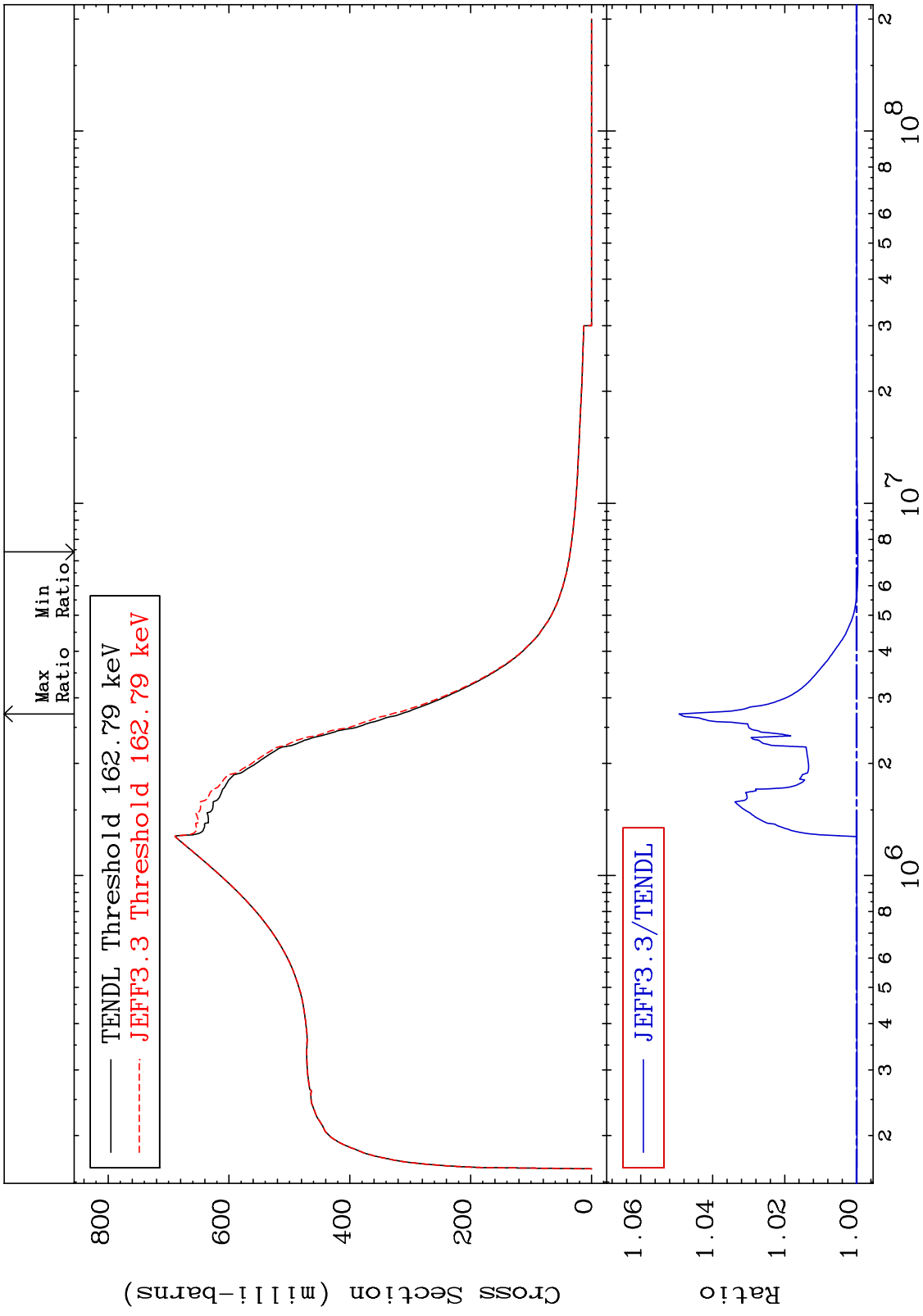
MAT 2228

(n,n') p α
Cross Section

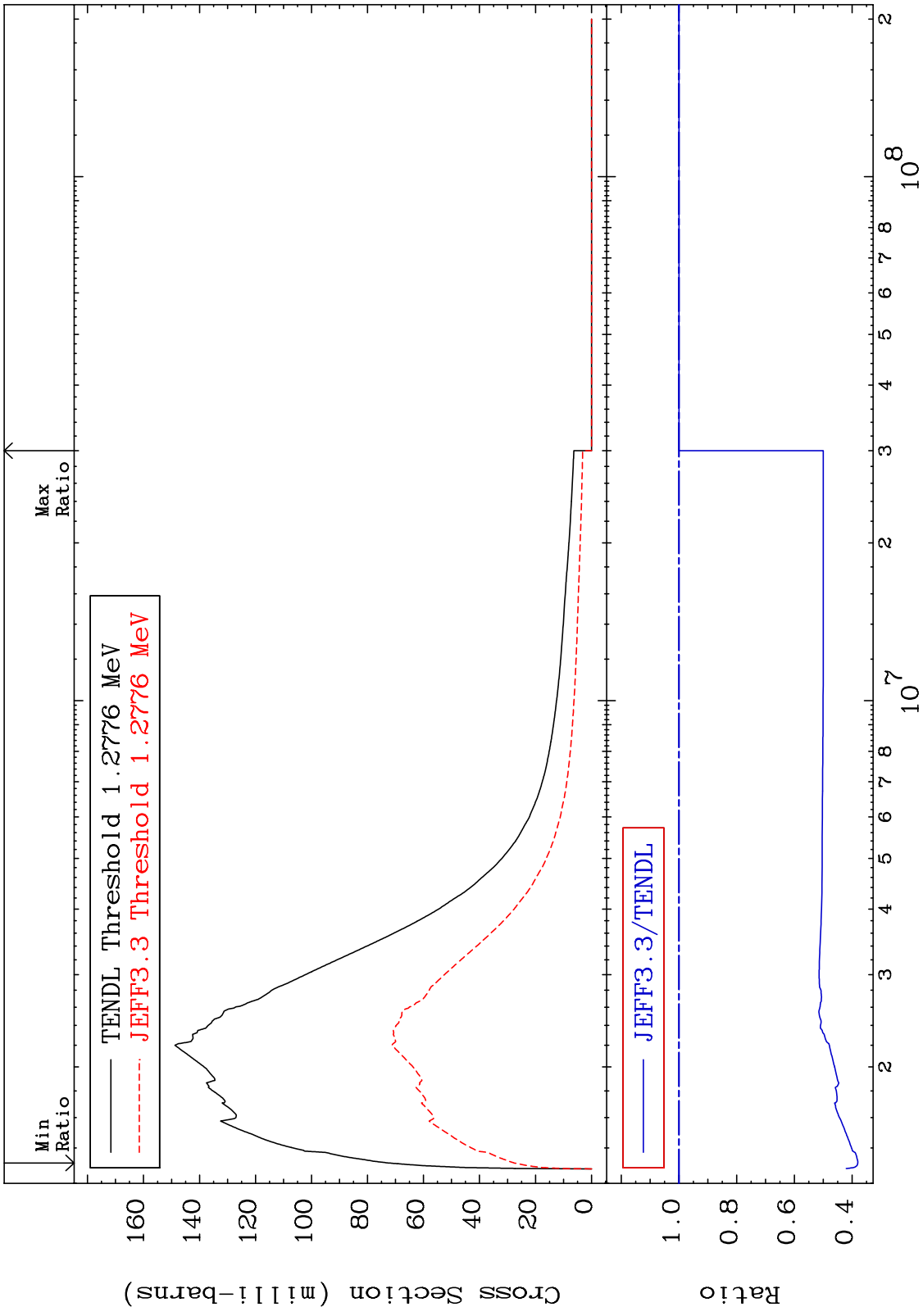
22-Ti-47
-99.99 To 87.36 %



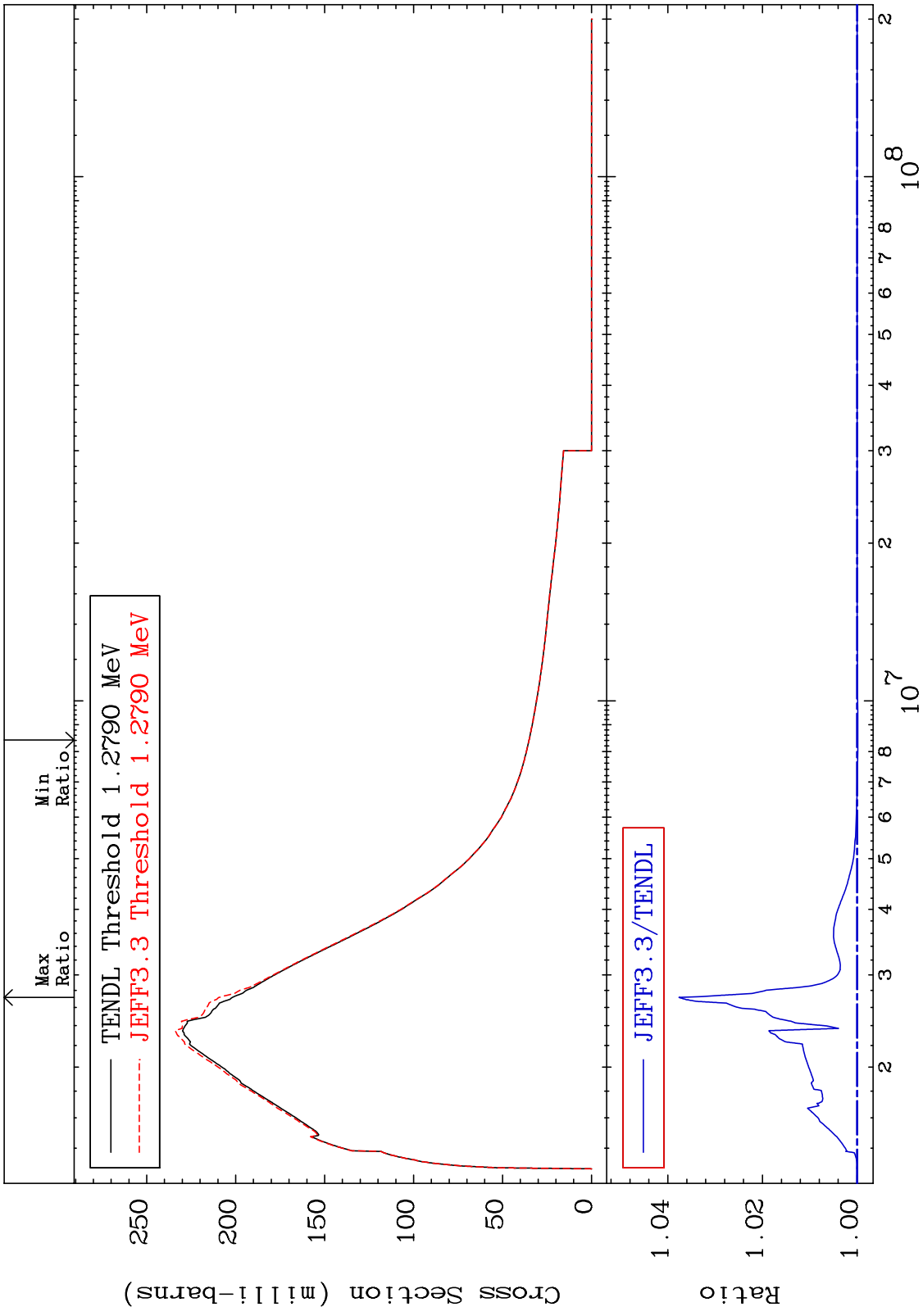
MAT 2228 MT= 51 (n,n') Level Cross Section -0.034 To 4.937 % 22-Ti-47



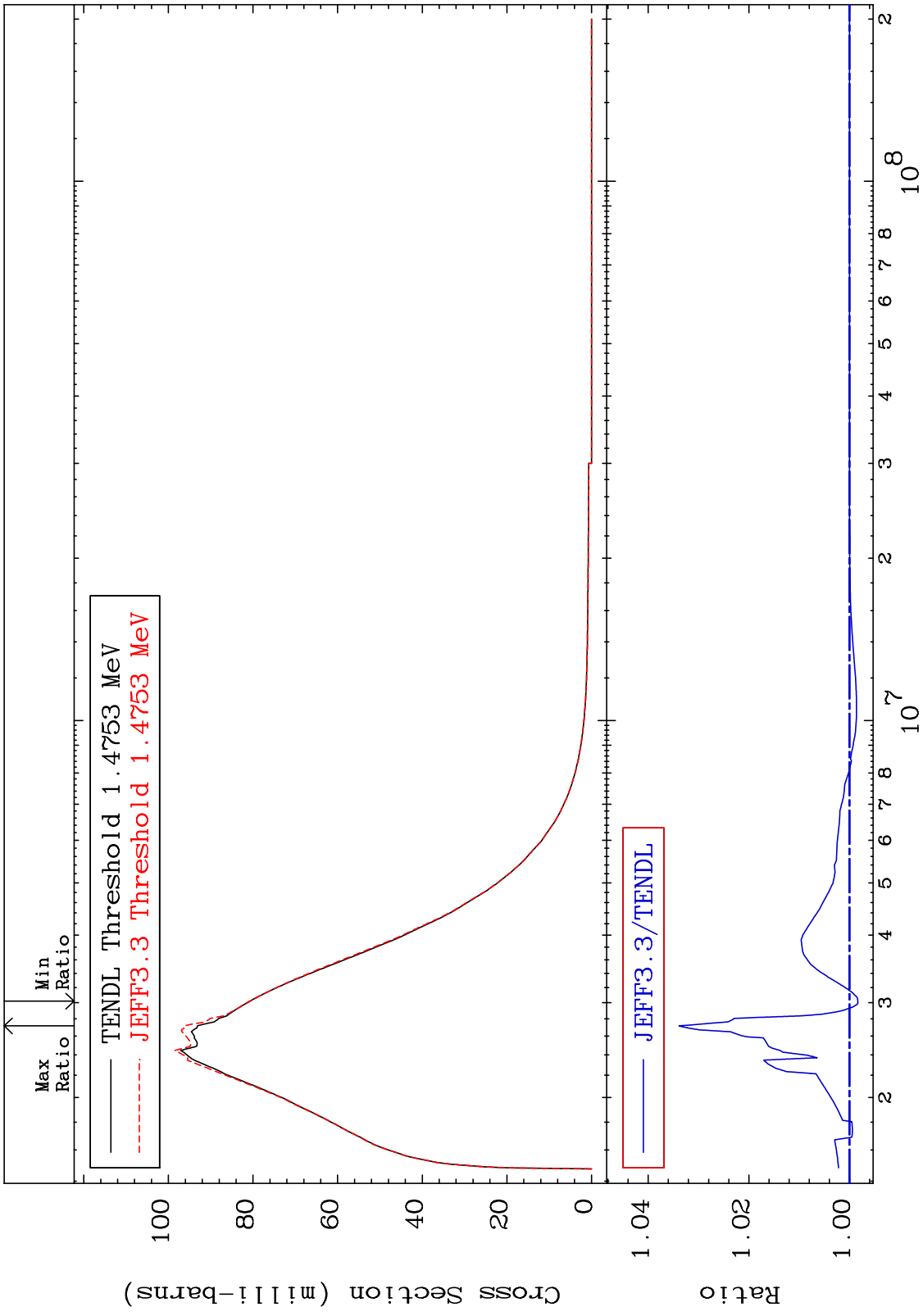
MAT 2228 MT= 52 (n,n') Level Cross Section -61.99 To 0.000 % 22-Ti-47



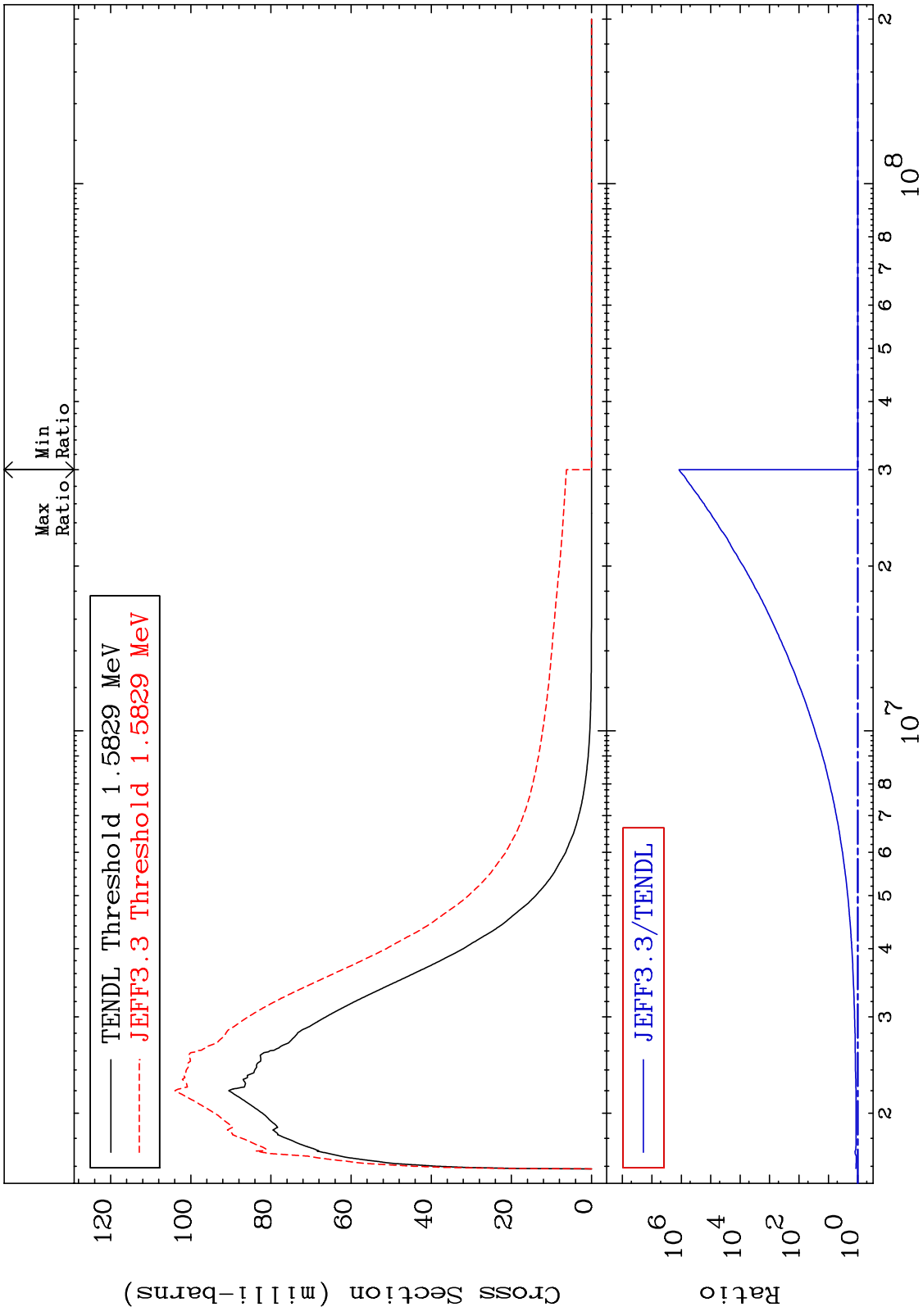
MAT 2228 MT= 53 (n,n') Level Cross Section 22-Ti-47 -0.015 To 3.763 %



MAT 2228 MT= 54 (n,n') Level Cross Section -0.165 To 3.387 % 22-Ti-47

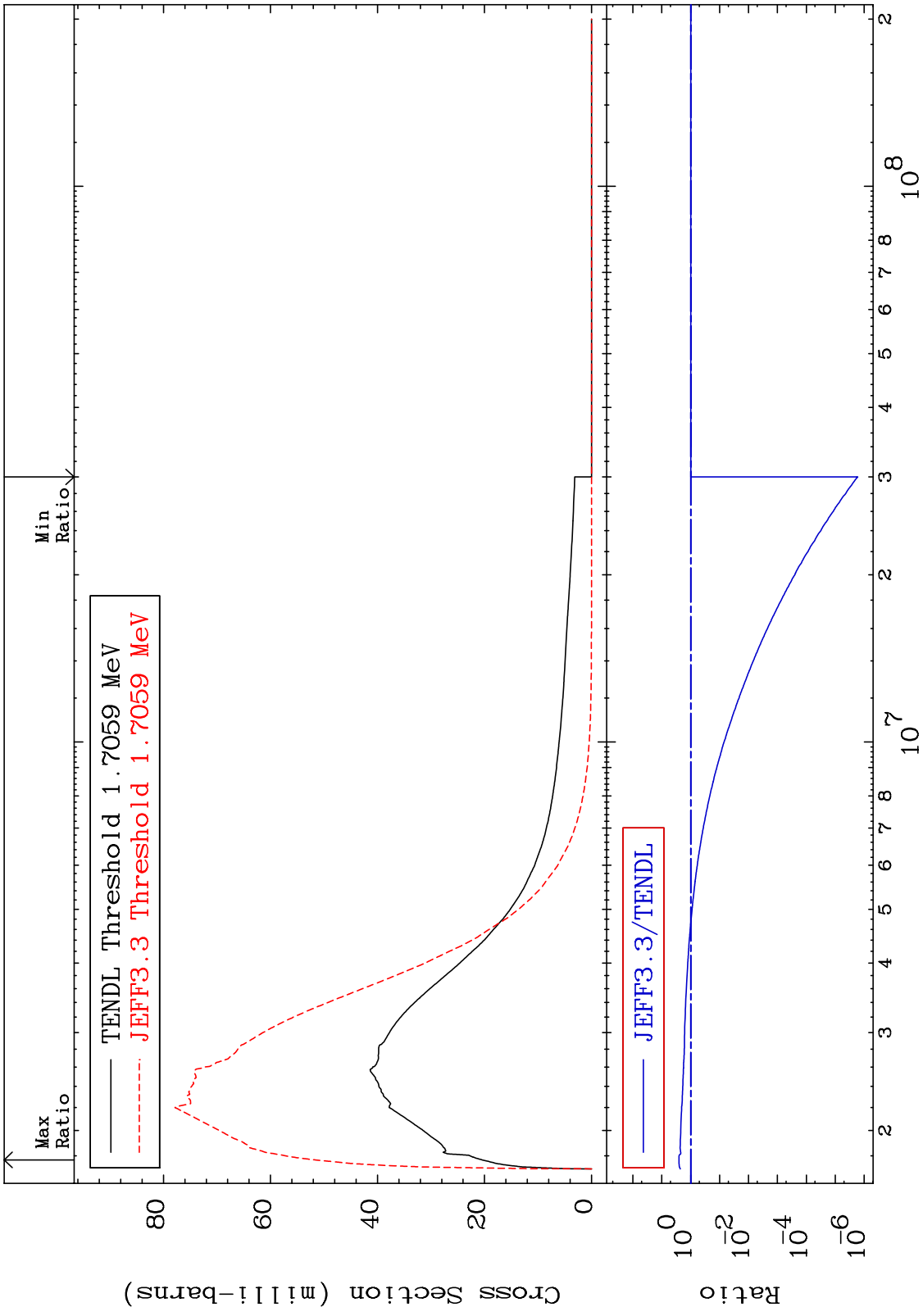


MAT 2228 MT= 55 (n,n') Level Cross Section 22-Ti-47
 0.000 To 9999. %



22 Incident Energy (eV) 22-Ti-47

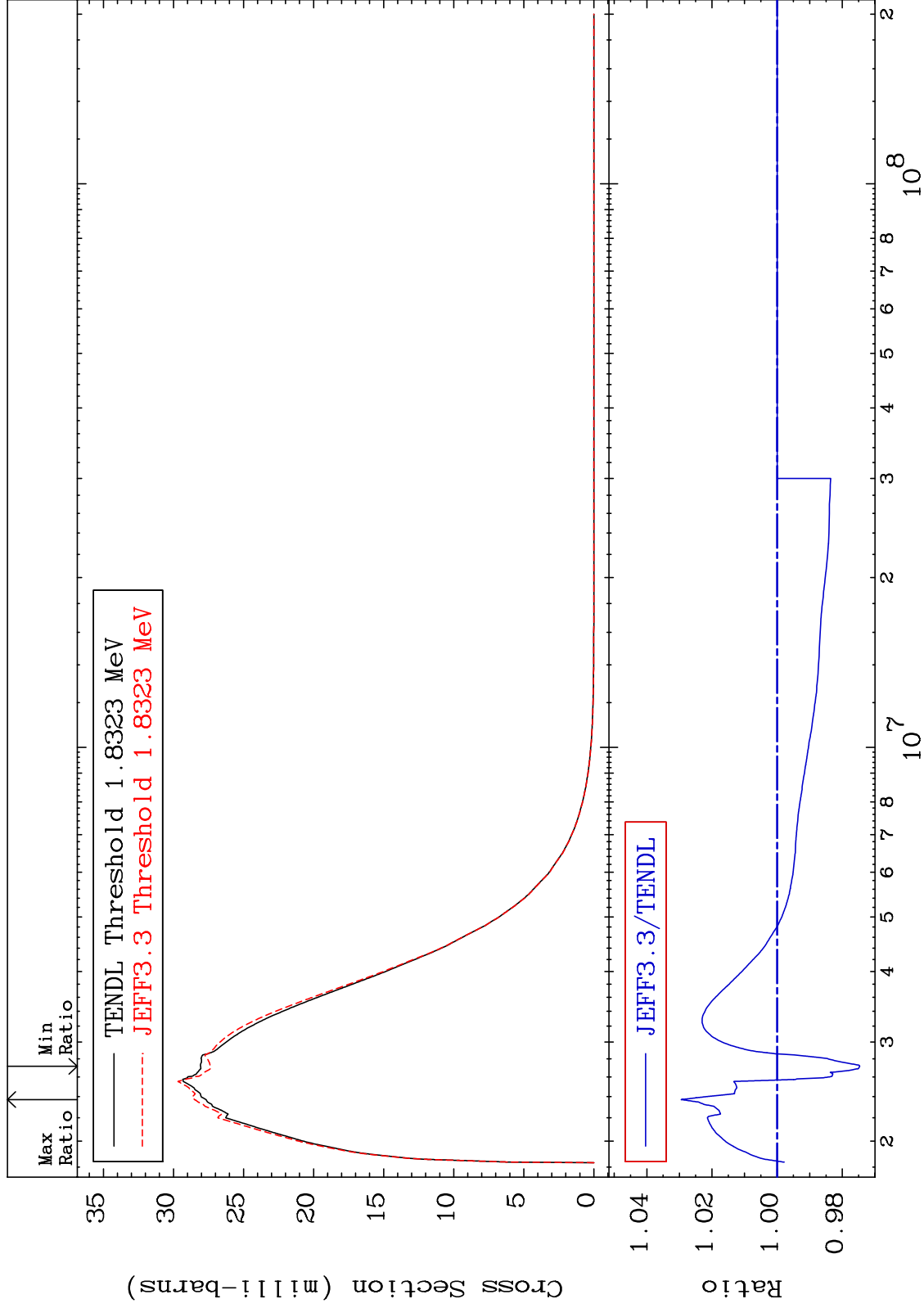
MAT 2228 MT= 56 (n,n') Level Cross Section -100.0 To 152.8 % 22-Ti-47



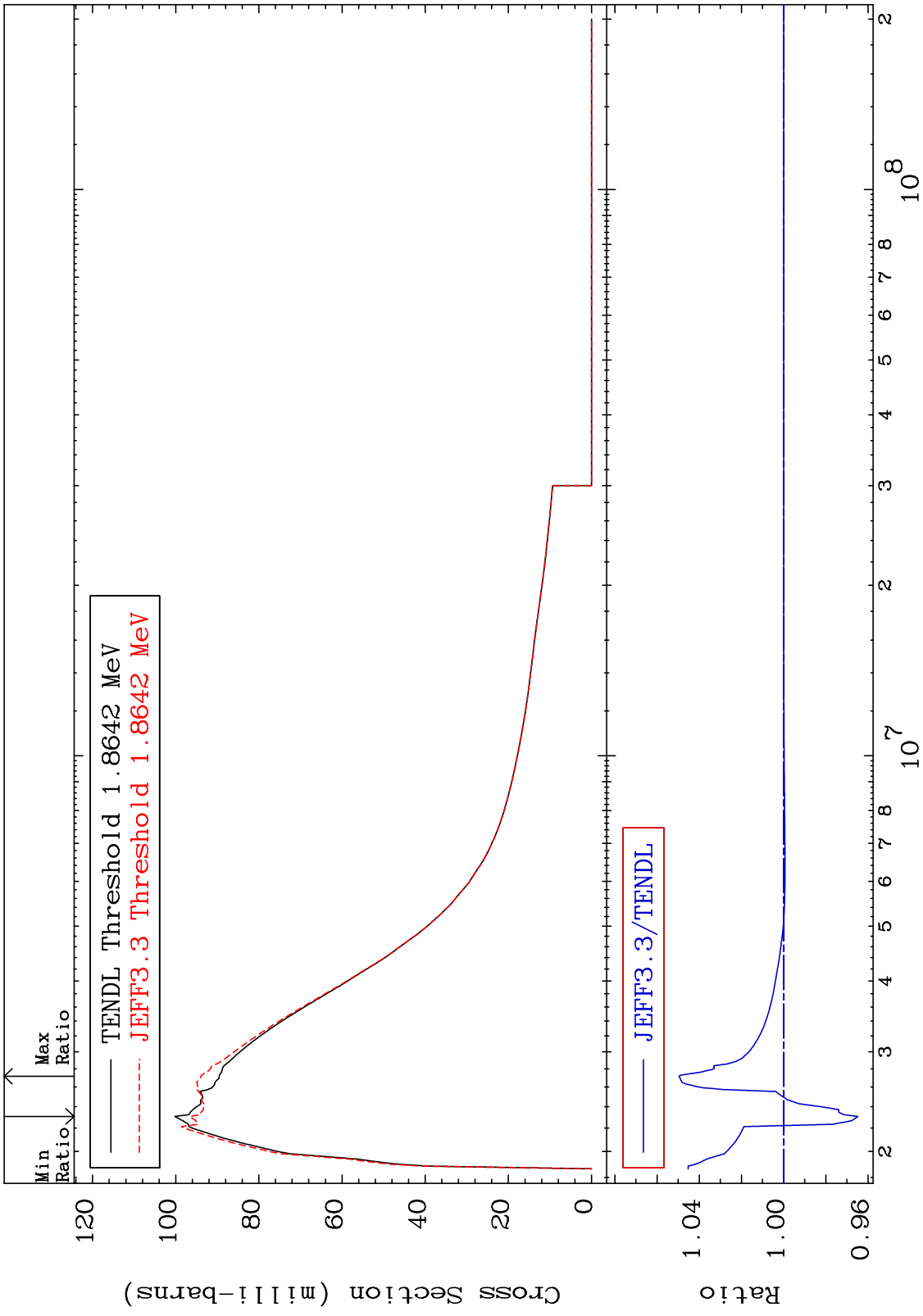
MAT 2228

MT= 57 (n,n') Level
Cross Section

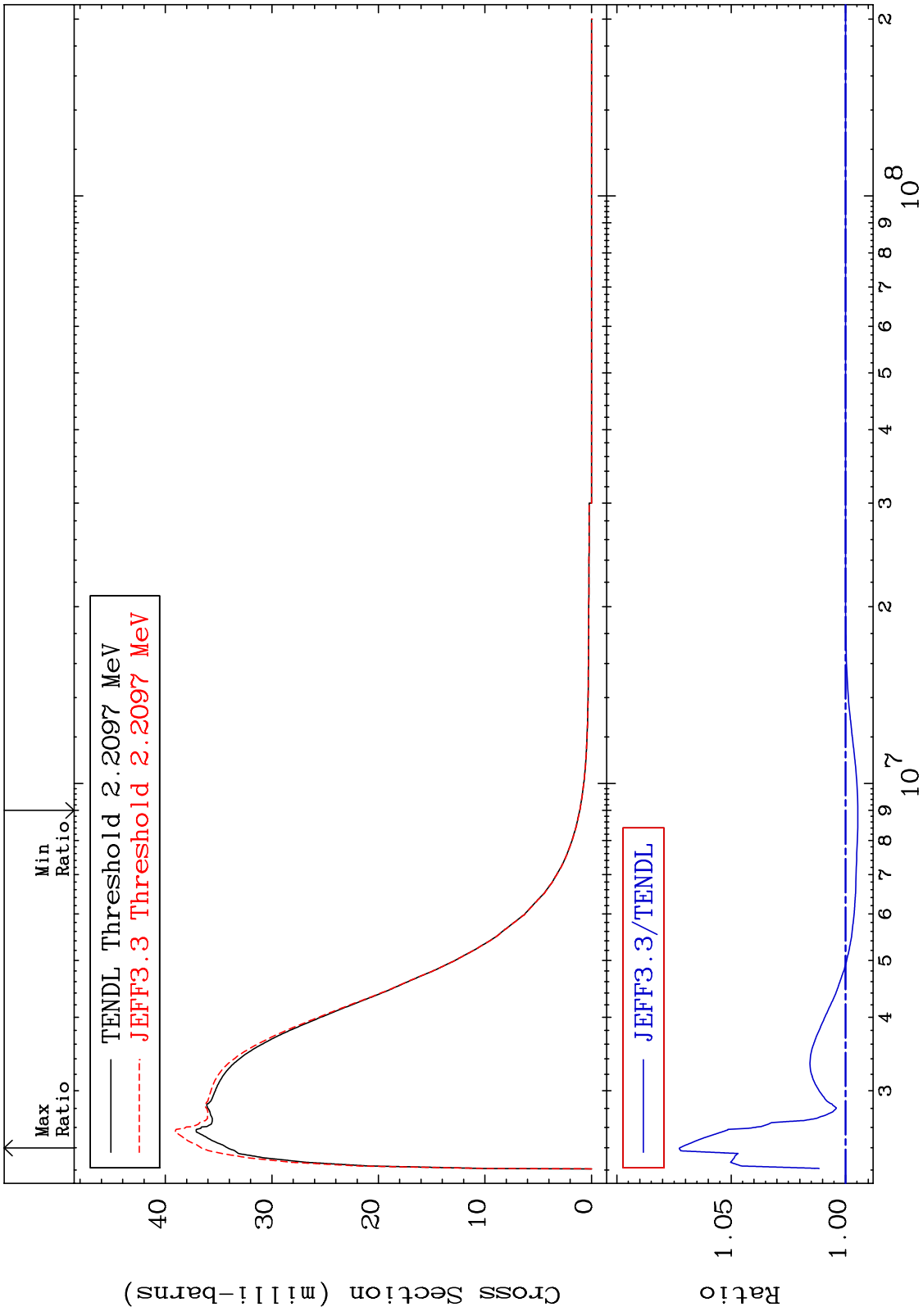
22-Ti-47
-2.536 To 2.943 %



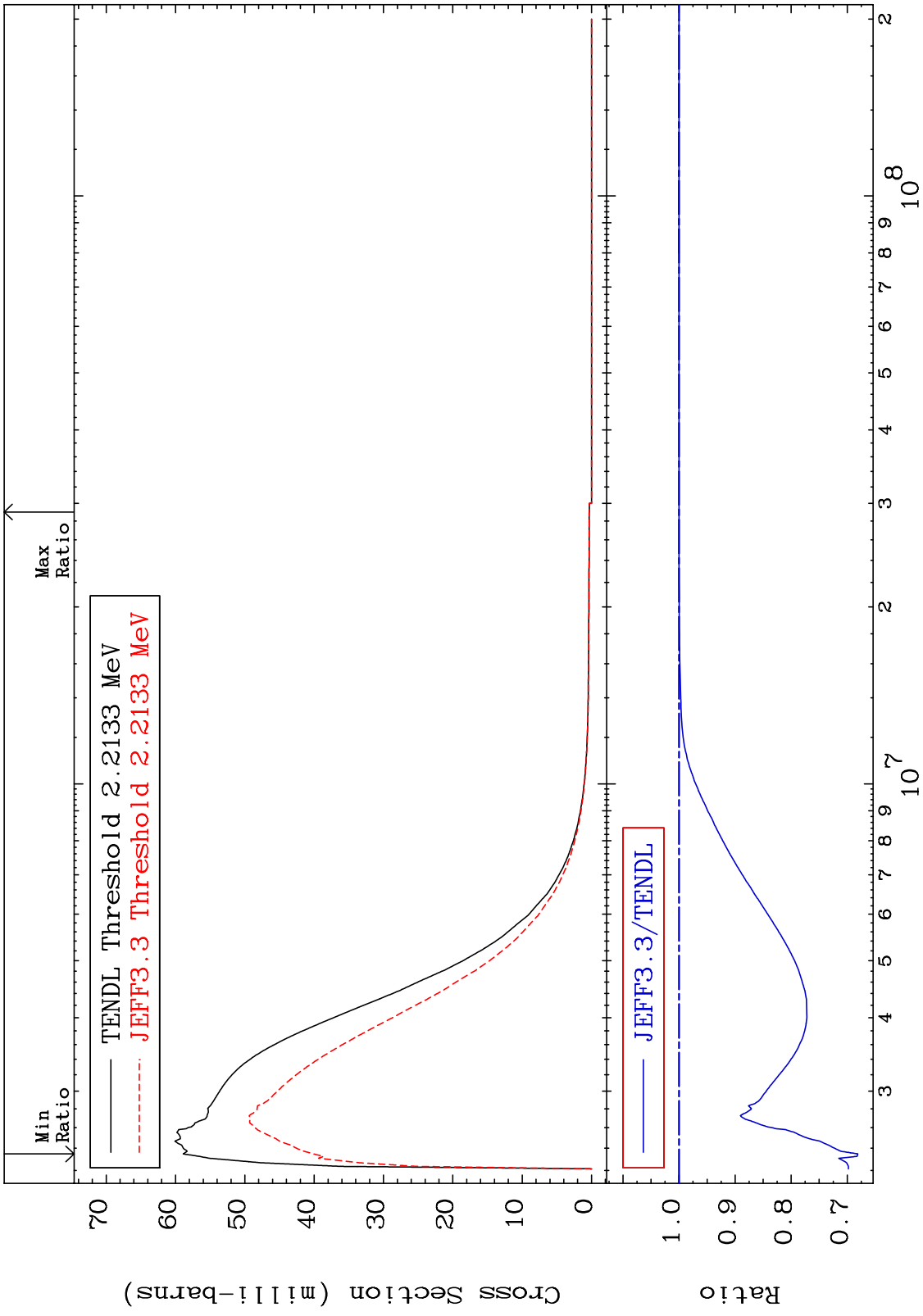
MAT 2228 MT= 58 (n,n') Level Cross Section -3.520 To 4.958 % 22-Ti-47



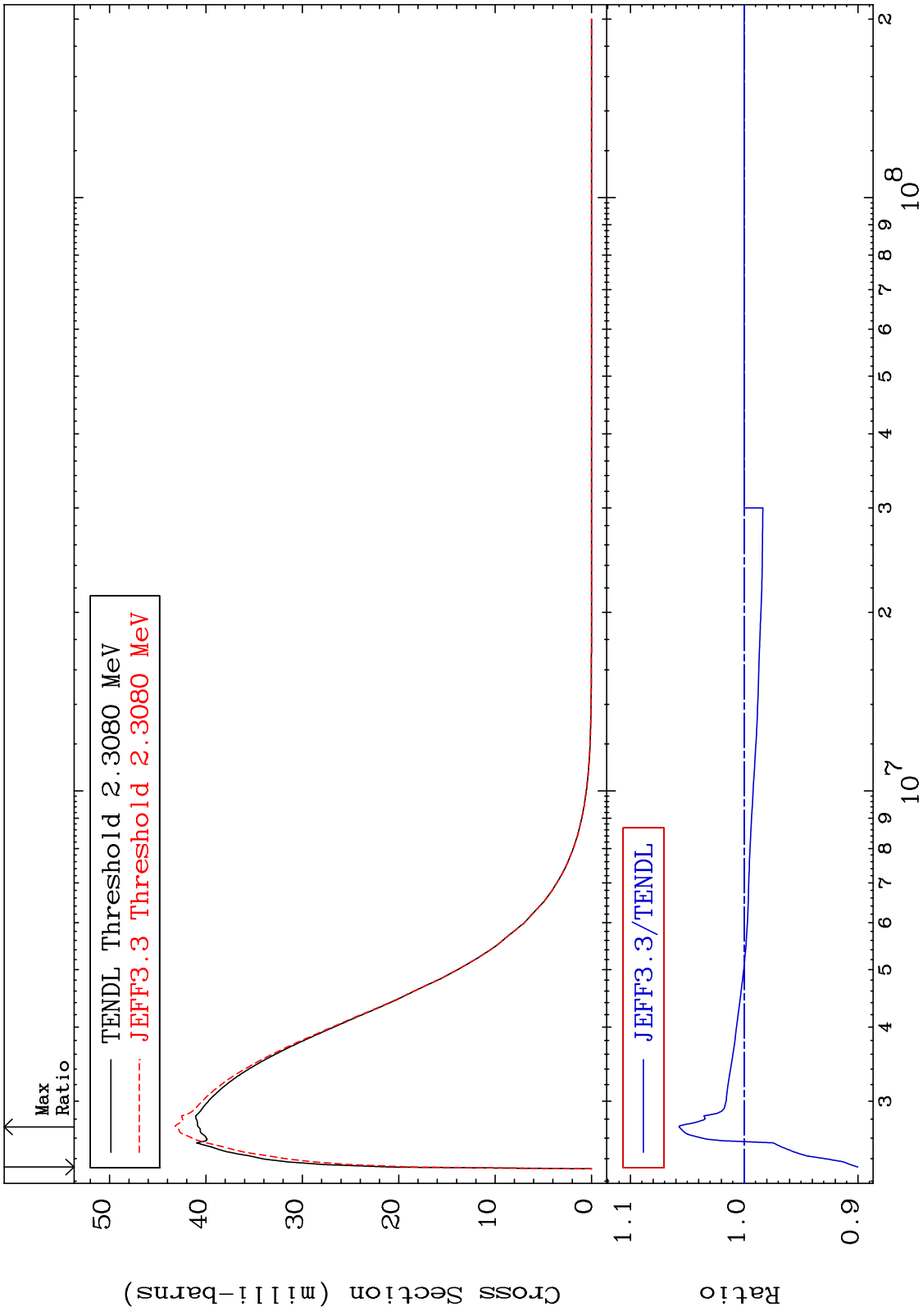
MAT 2228 MT= 59 (n,n') Level Cross Section -0.541 To 7.282 % 22-Ti-47



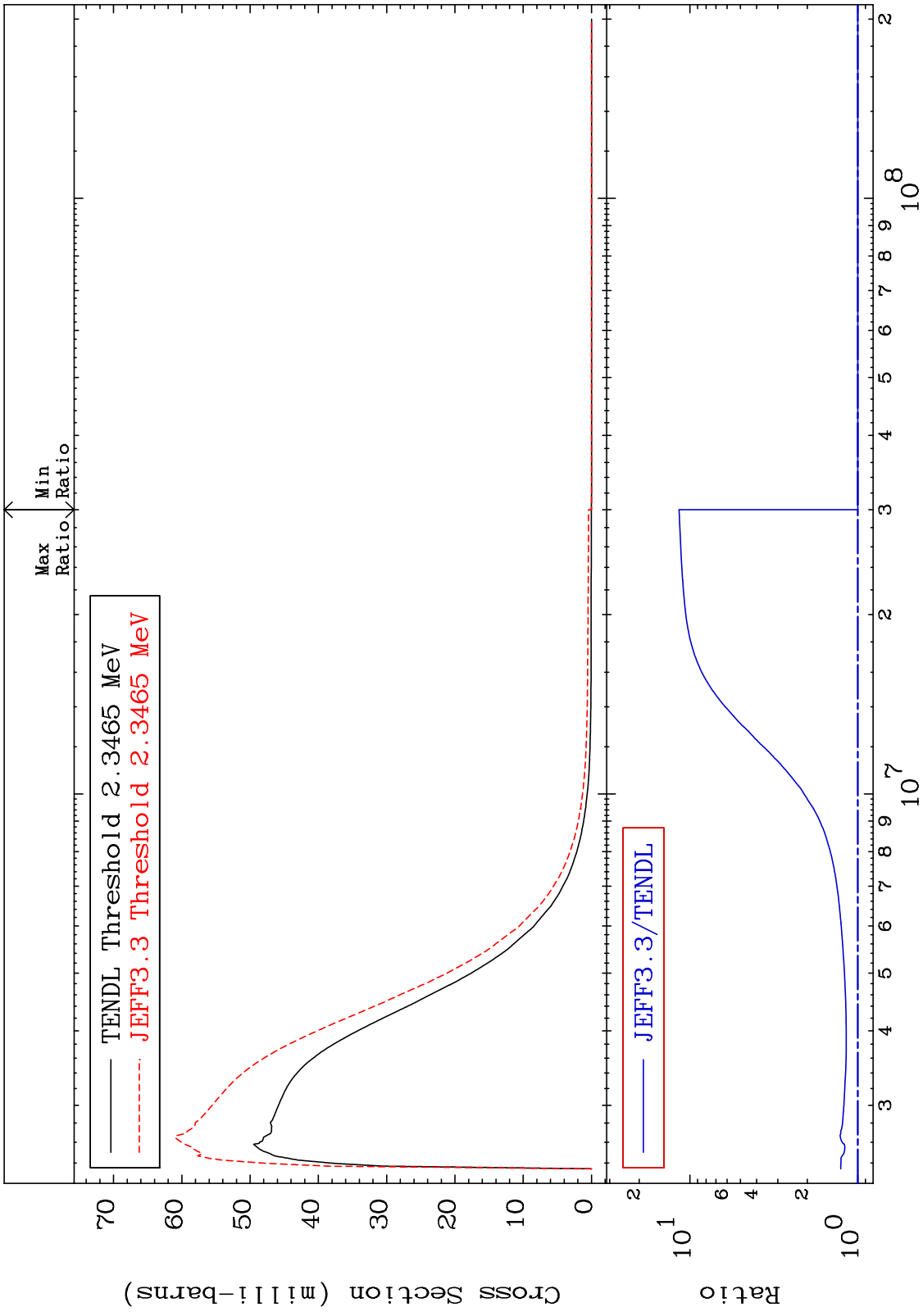
MAT 2228 MT= 60 (n,n') Level Cross Section -31.89 To 0.000 % 22-Ti-47



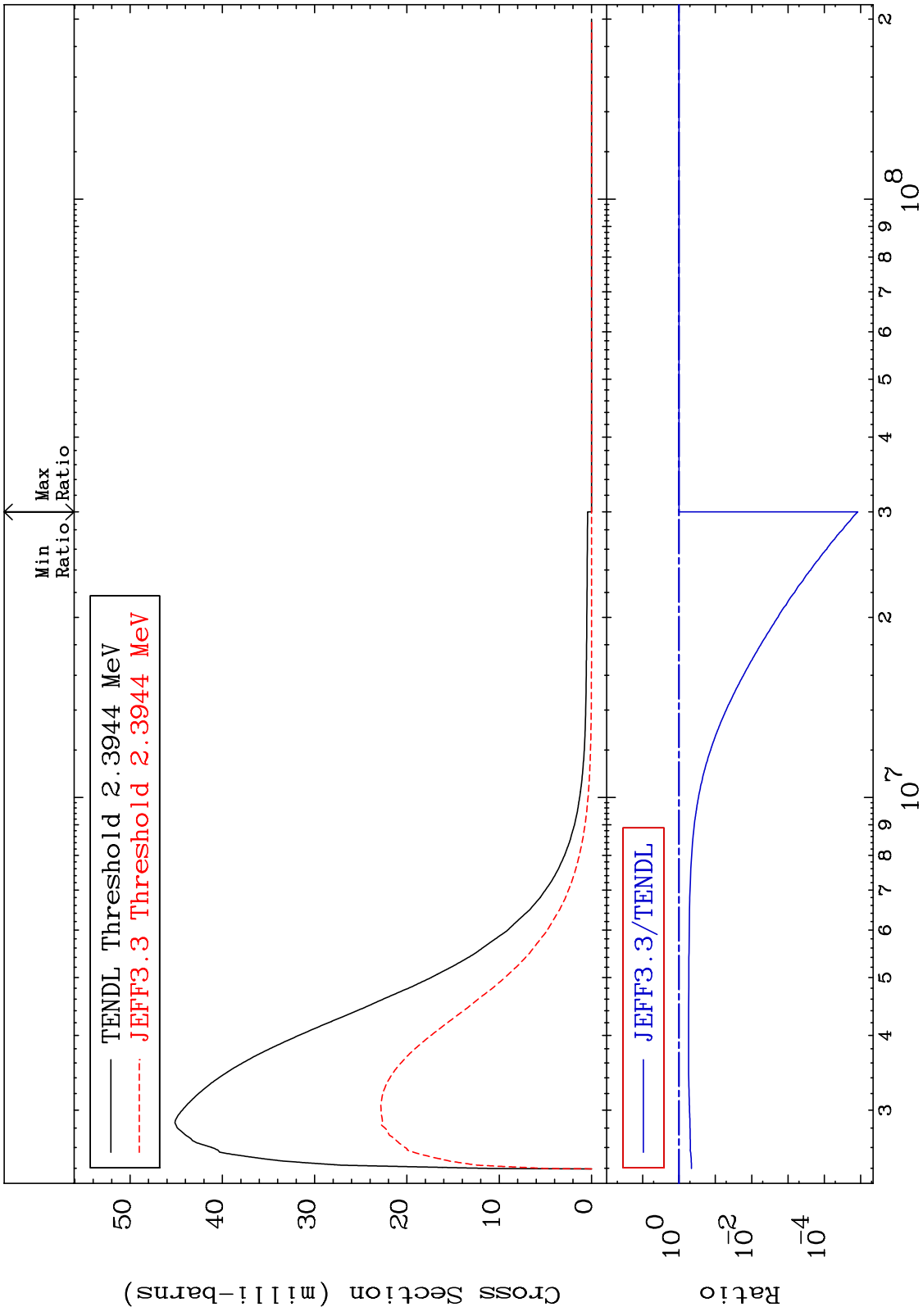
MAT 2228 MT= 61 (n,n') Level Cross Section -9.993 To 5.727 % 22-Ti-47



MAT 2228 MT= 62 (n,n') Level Cross Section 22-Ti-47
 0.000 To 1059. %

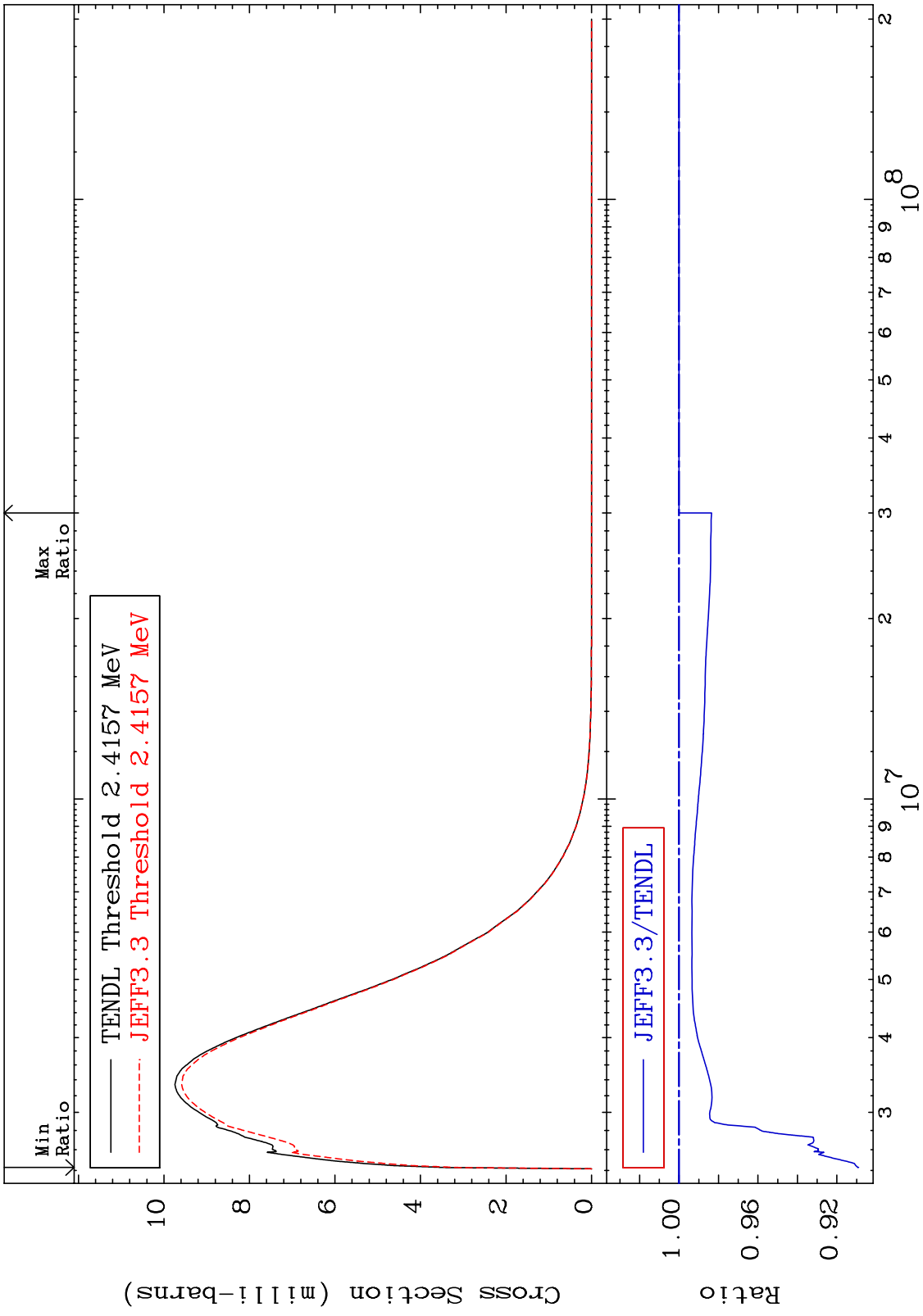


MAT 2228 MT= 63 (n,n') Level Cross Section -100.0 To 0.000 % 22-Ti-47

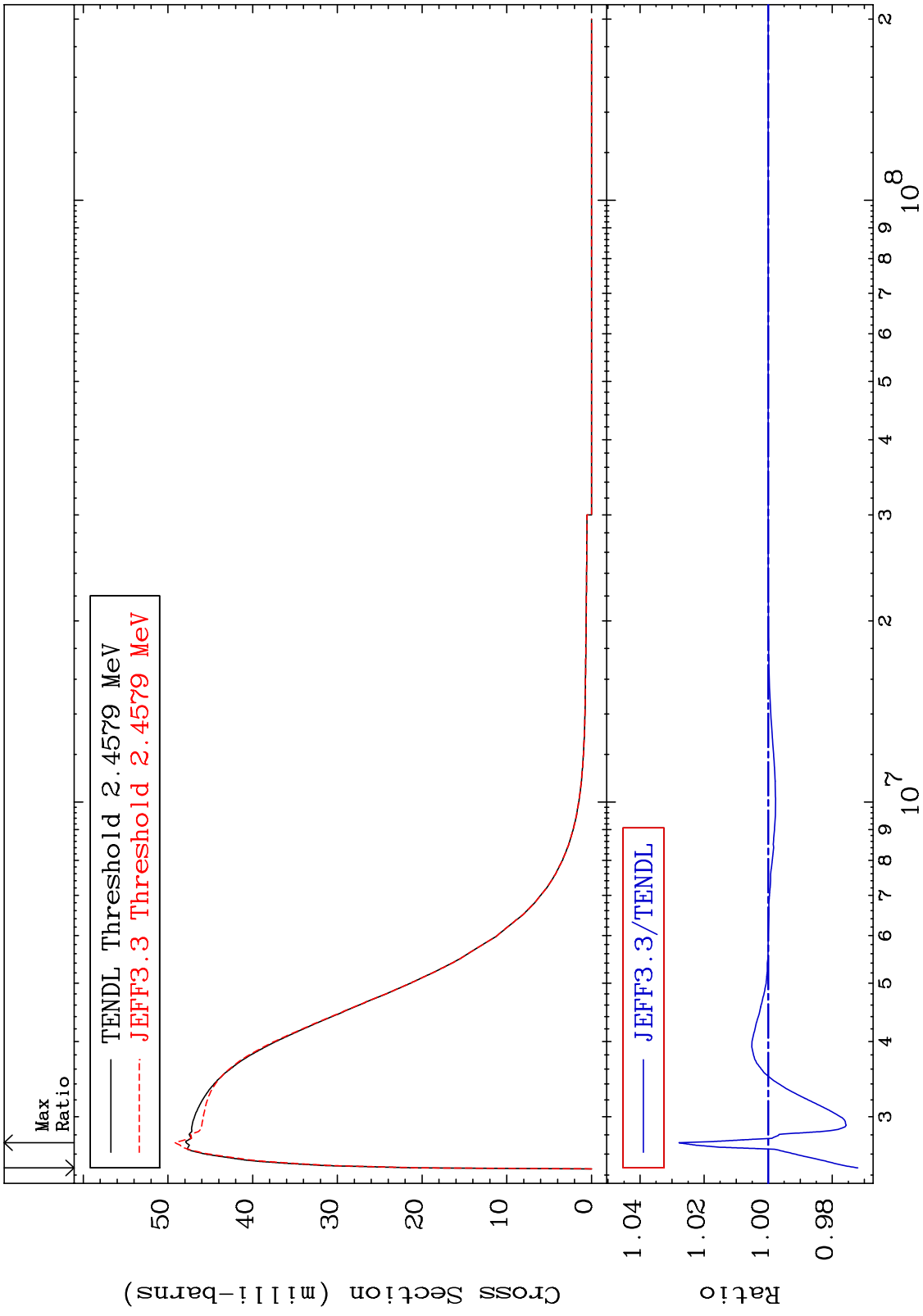


30 Incident Energy (eV) 22-Ti-47

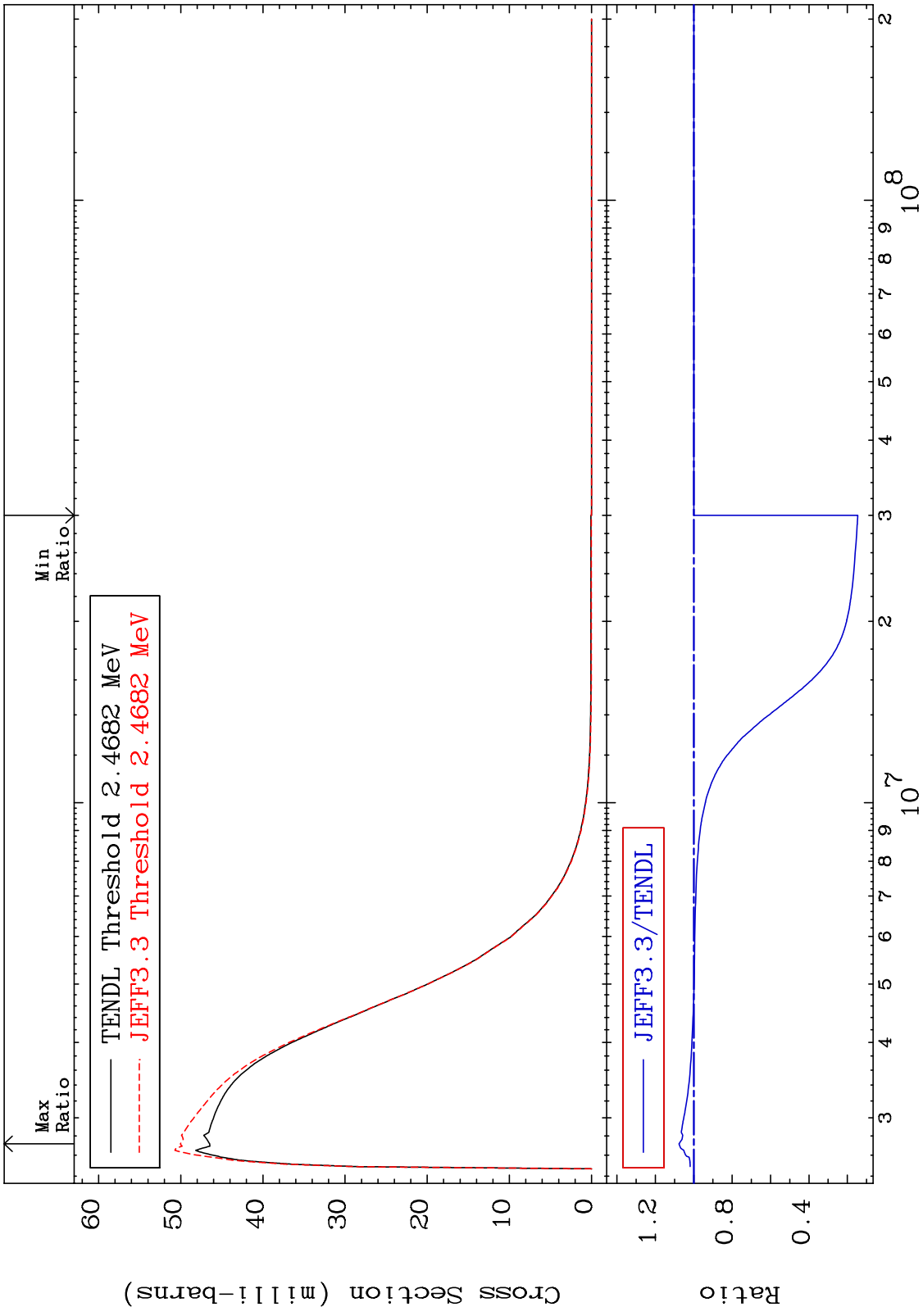
MAT 2228 MT= 64 (n,n') Level Cross Section -9.062 To 0.000 % 22-Ti-47



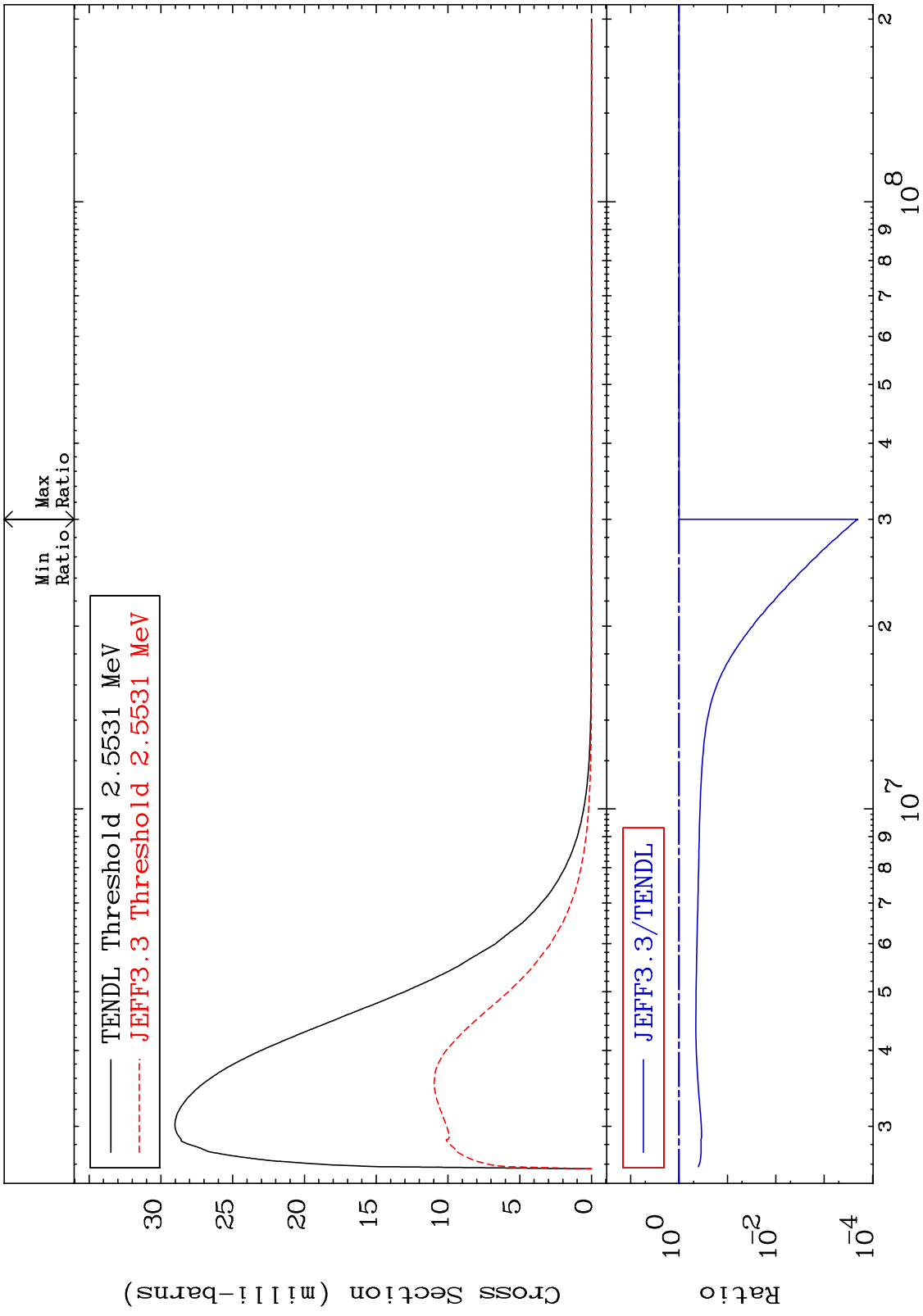
MAT 2228 MT= 65 (n,n') Level Cross Section -2.797 To 2.783 % 22-Ti-47



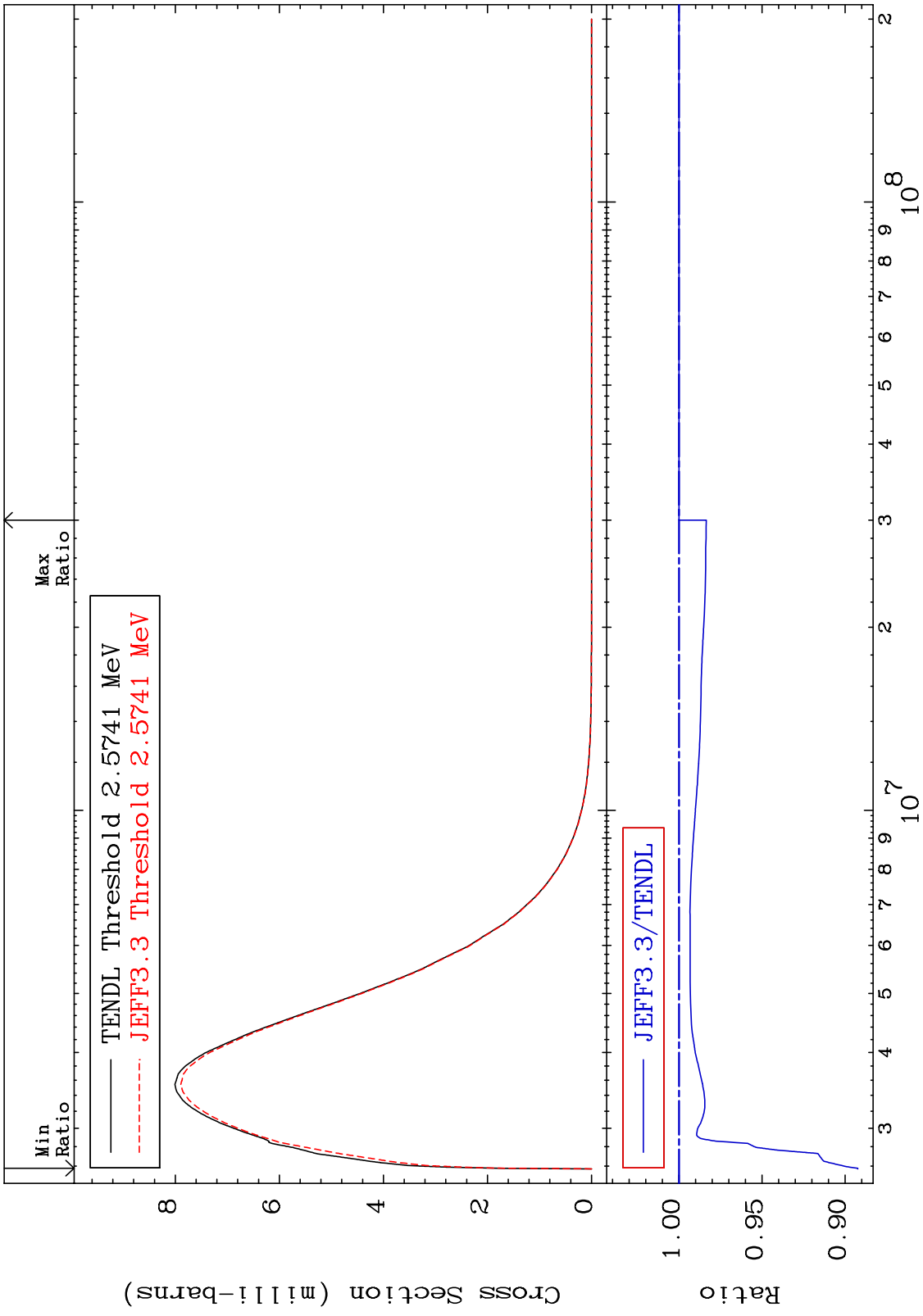
MAT 2228 MT= 66 (n,n') Level Cross Section -85.48 To 7.665 % 22-Ti-47



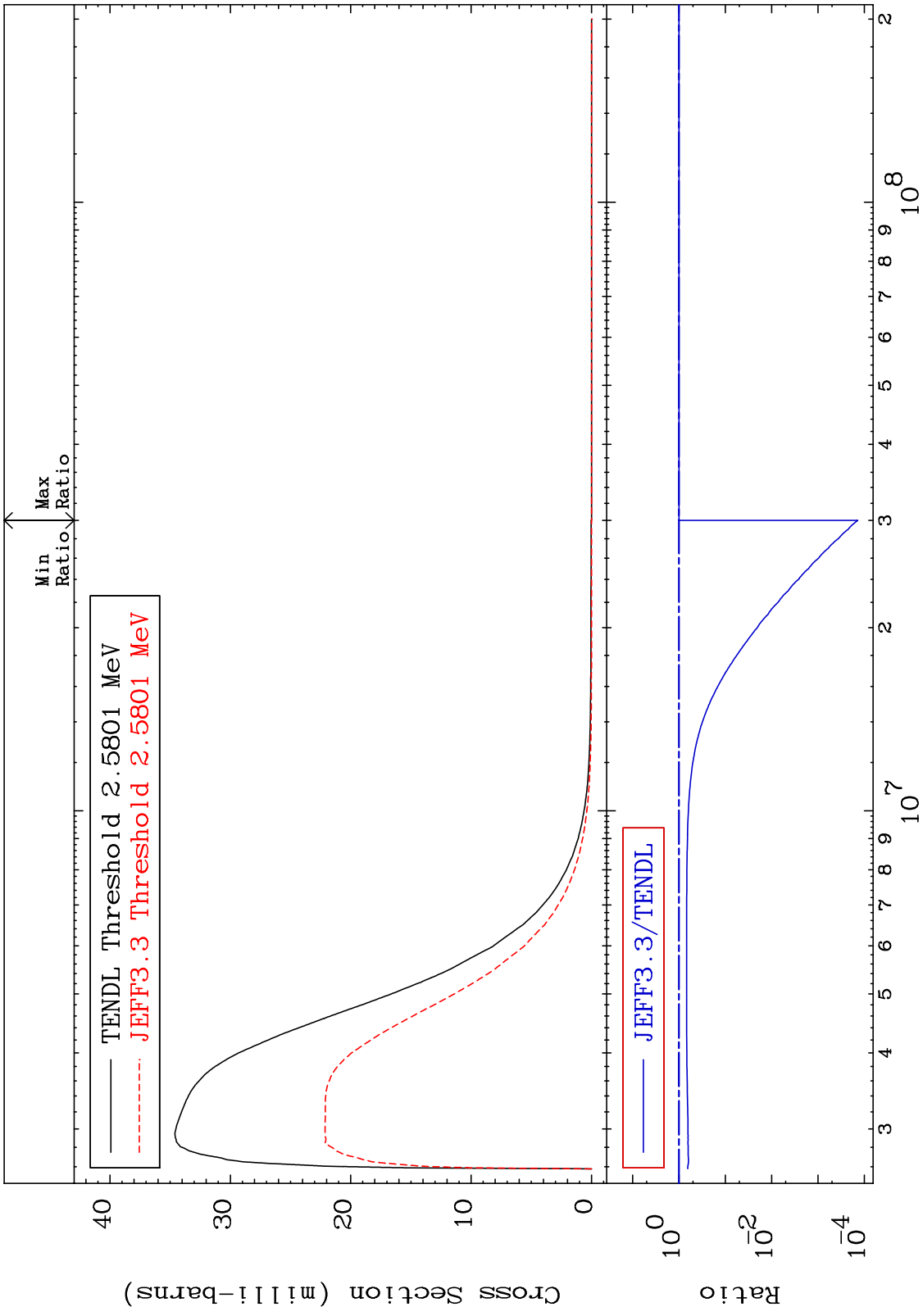
MAT 2228 MT= 67 (n,n') Level Cross Section -99.98 To 0.000 % 22-Ti-47



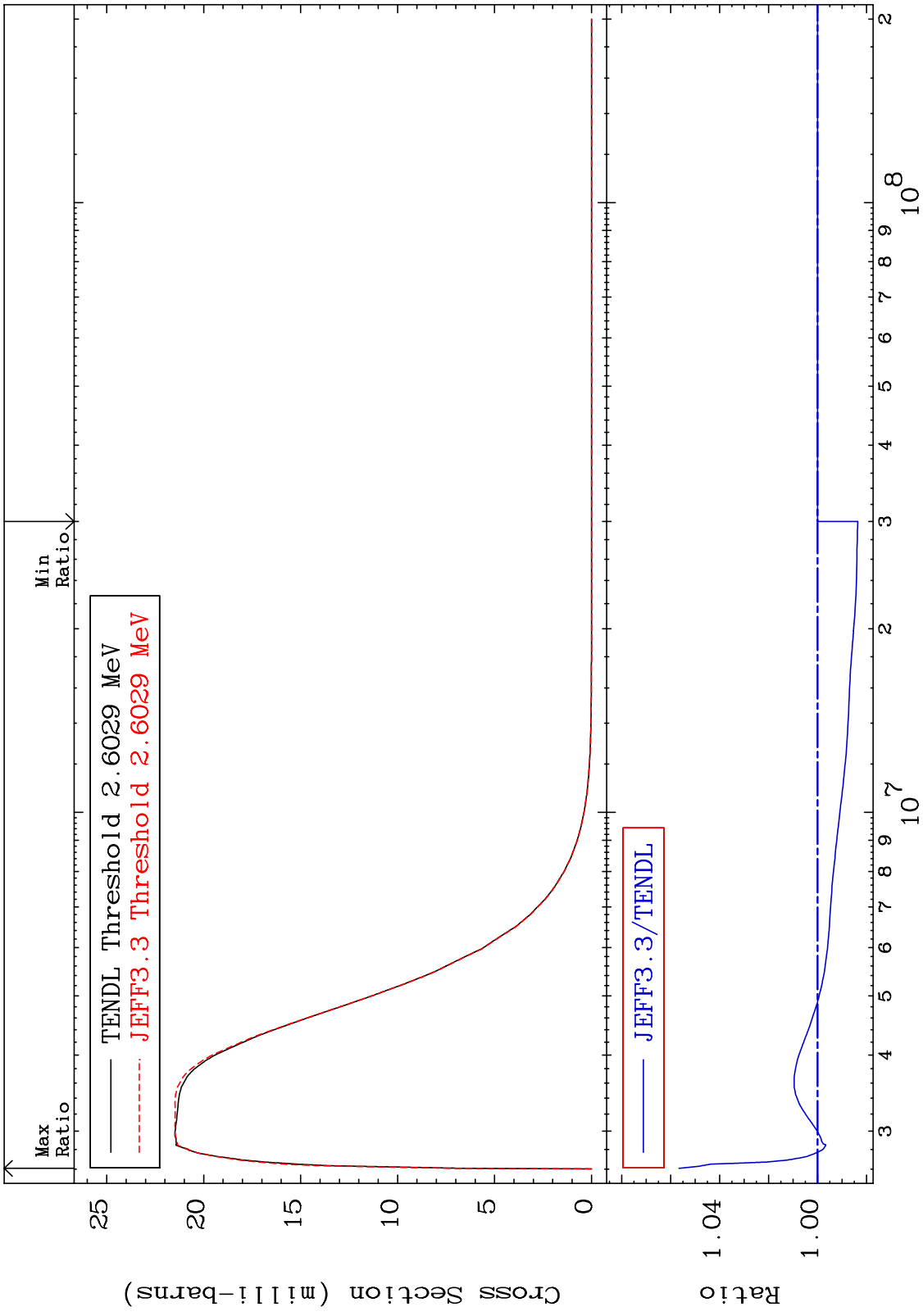
MAT 2228 MT= 68 (n,n') Level Cross Section -10.76 To 0.000 % 22-Ti-47



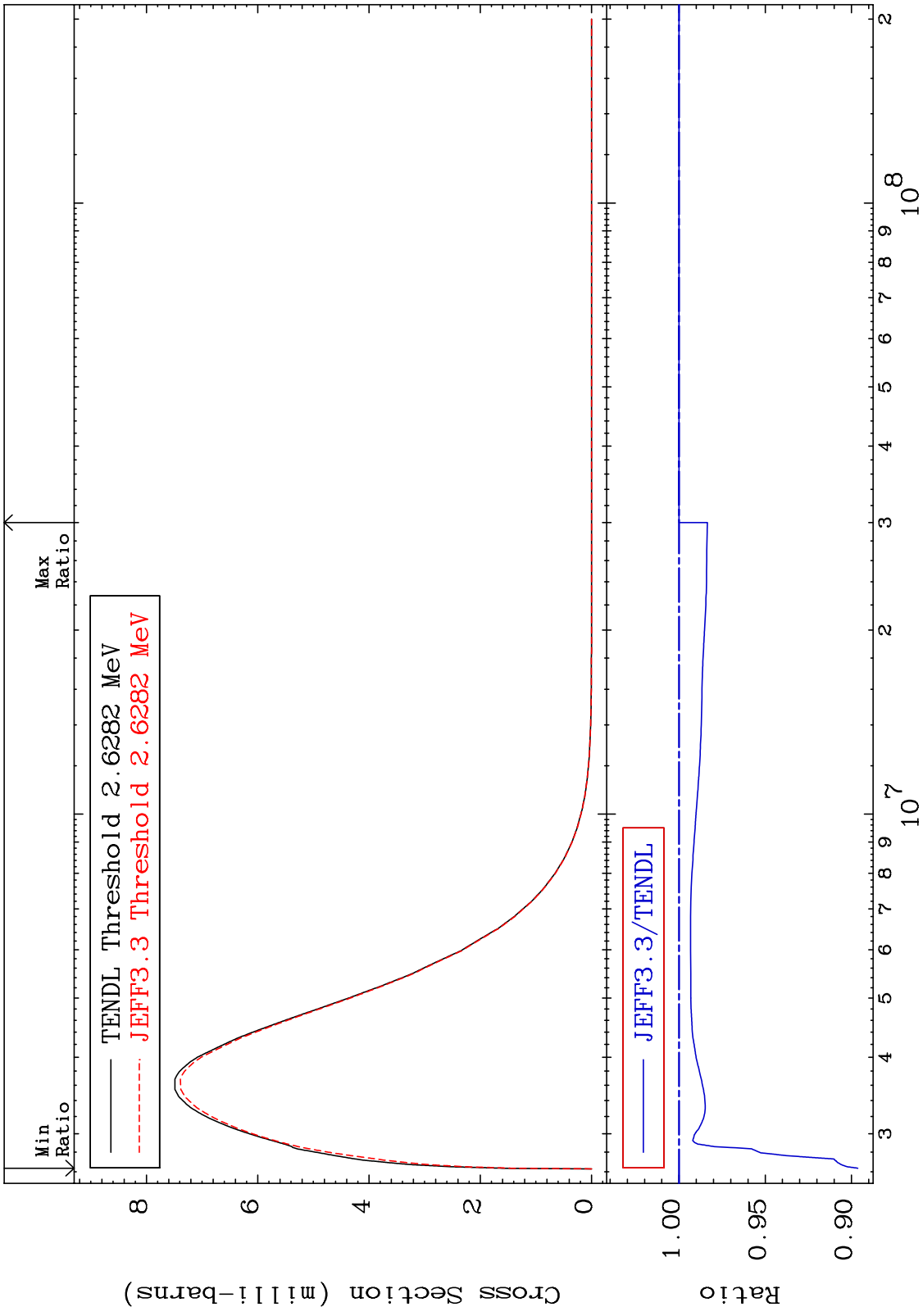
MAT 2228 MT= 69 (n,n') Level Cross Section -99.99 To 0.000 % 22-Ti-47



MAT 2228 MT= 70 (n,n') Level Cross Section -1.645 To 5.657 % 22-Ti-47

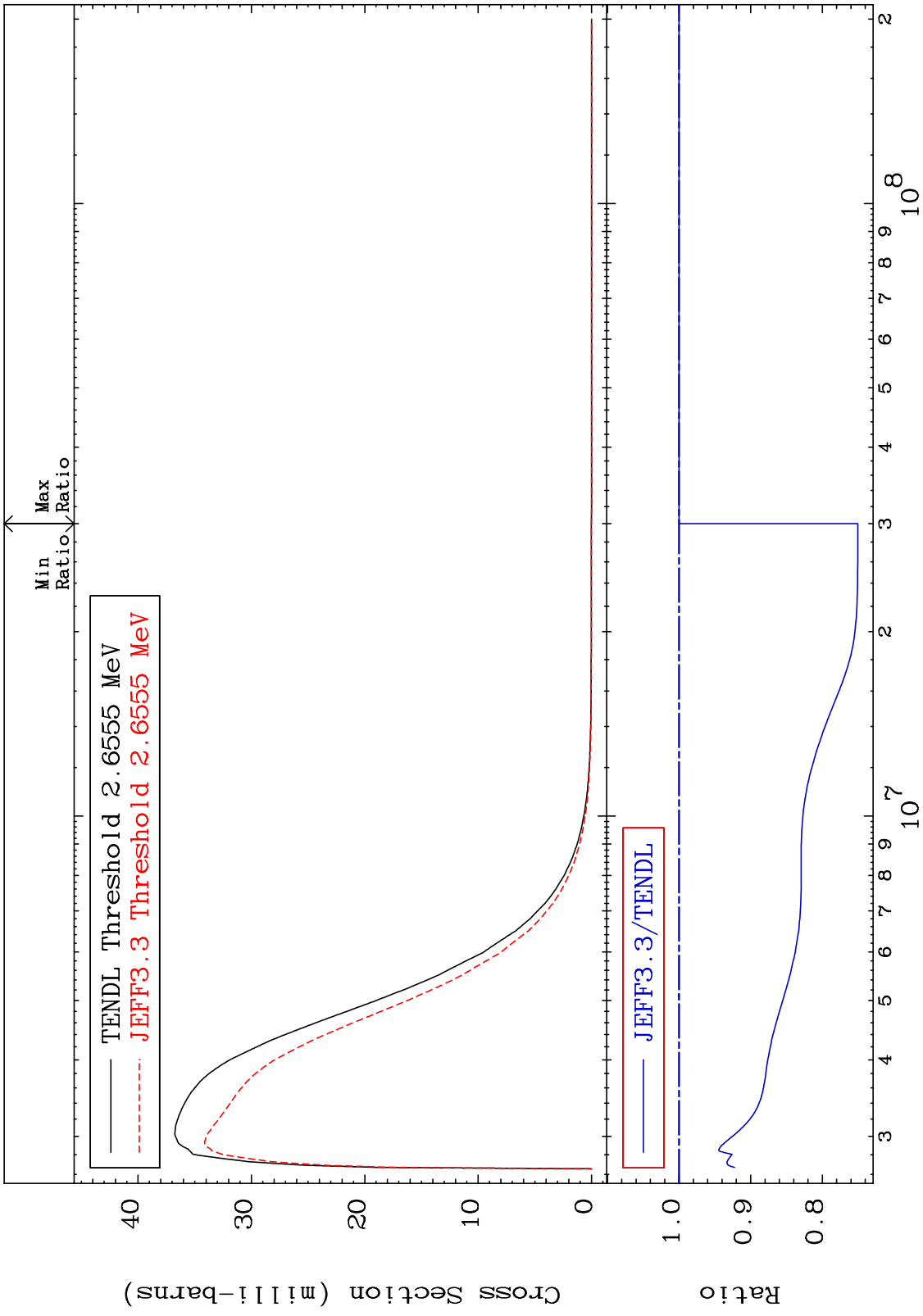


MAT 2228 MT= 71 (n,n') Level Cross Section -10.37 To 0.000 % 22-Ti-47

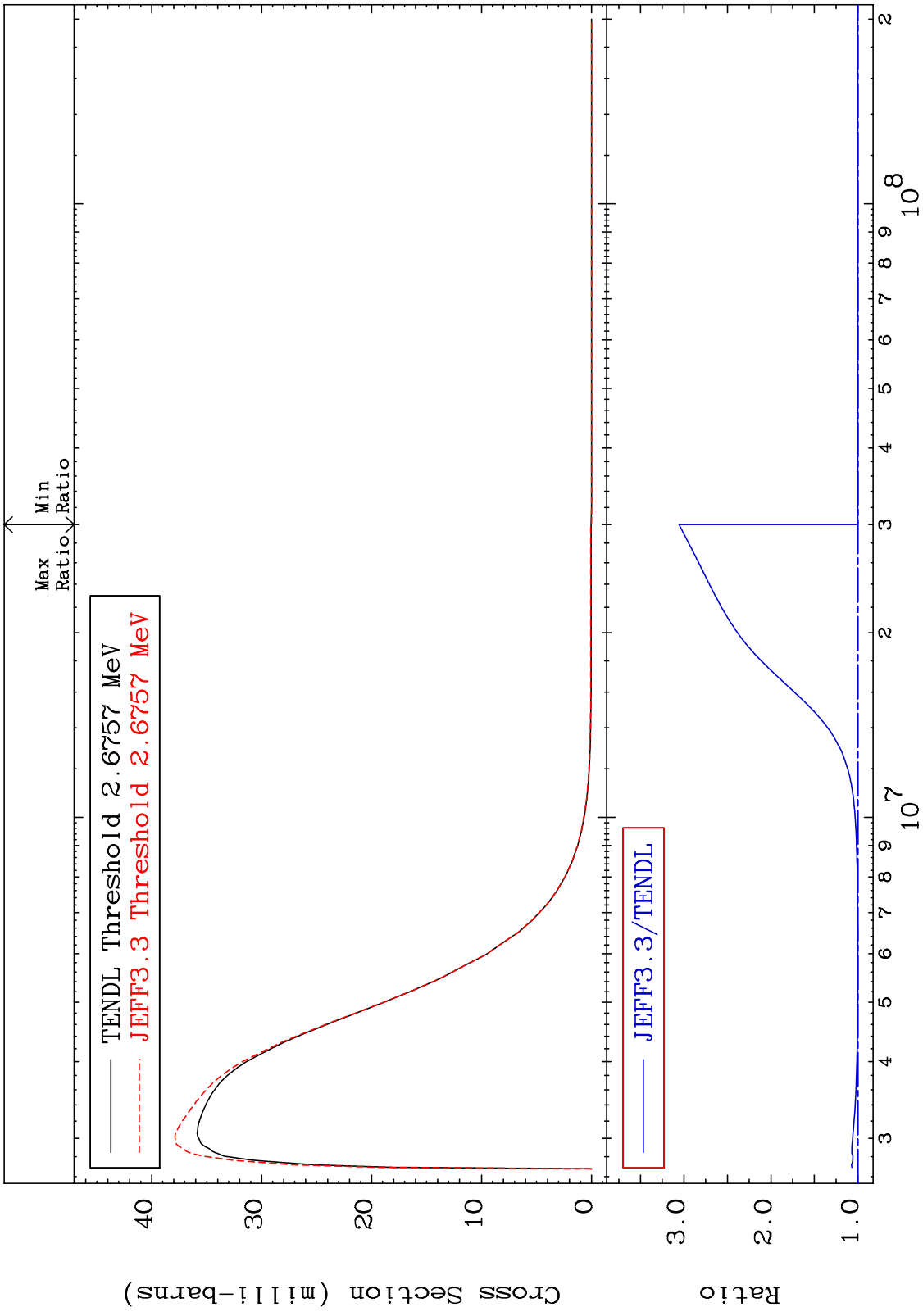


38 Incident Energy (eV) 22-Ti-47

MAT 2228 MT= 72 (n,n') Level Cross Section -24.96 To 0.000 % 22-Ti-47

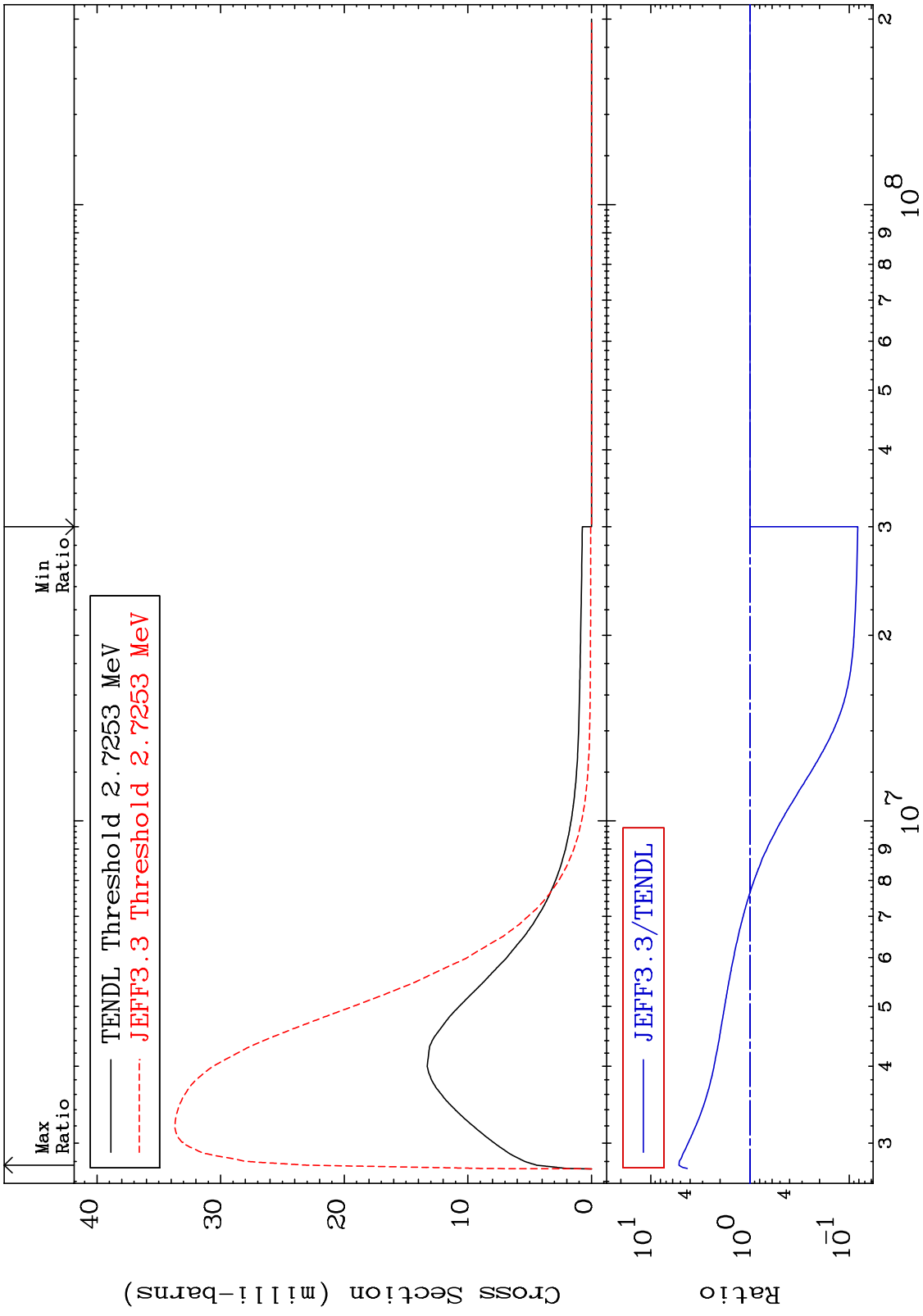


MAT 2228 MT= 73 (n,n') Level Cross Section 22-Ti-47 0.000 To 205.7 %

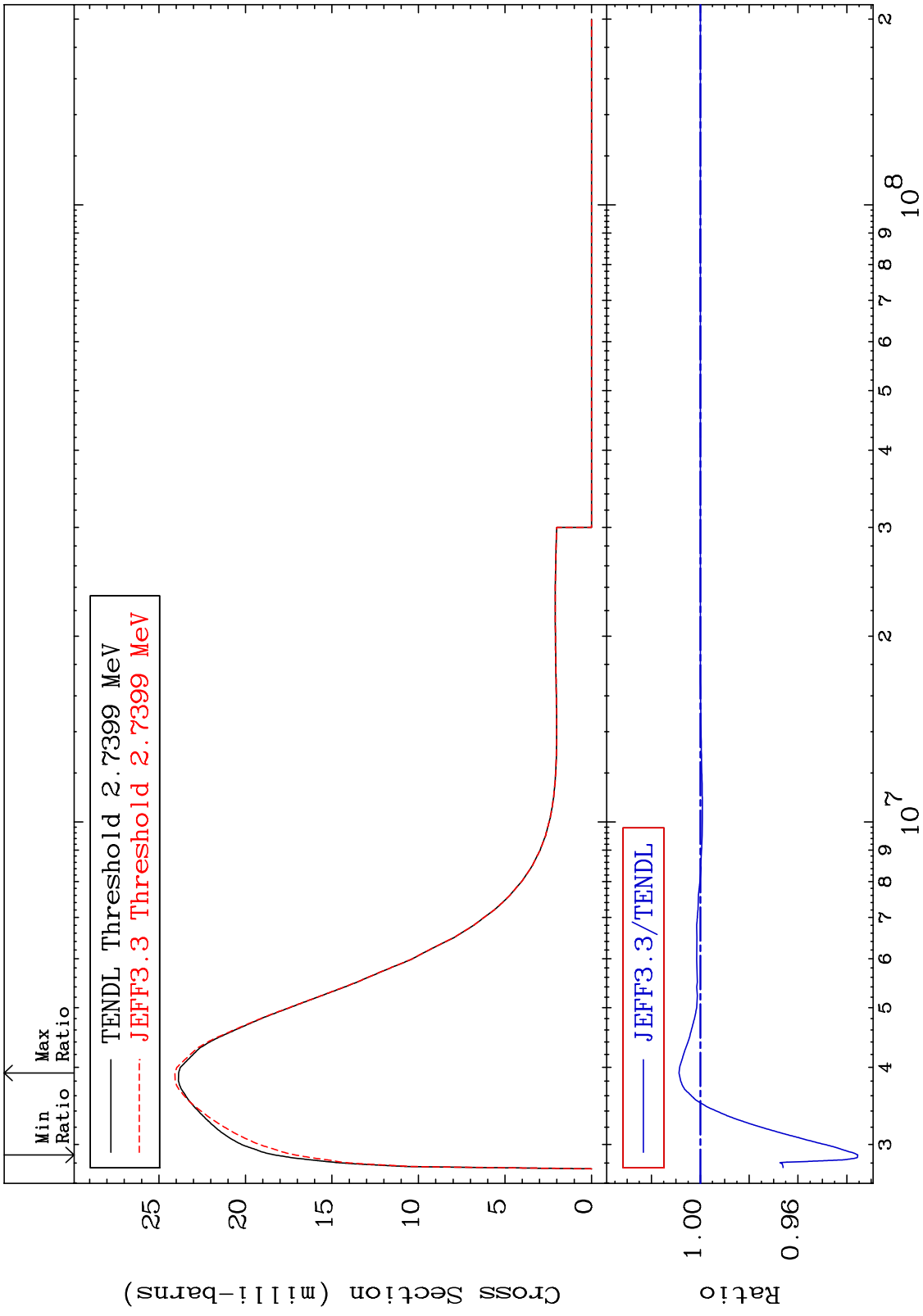


40 22-Ti-47

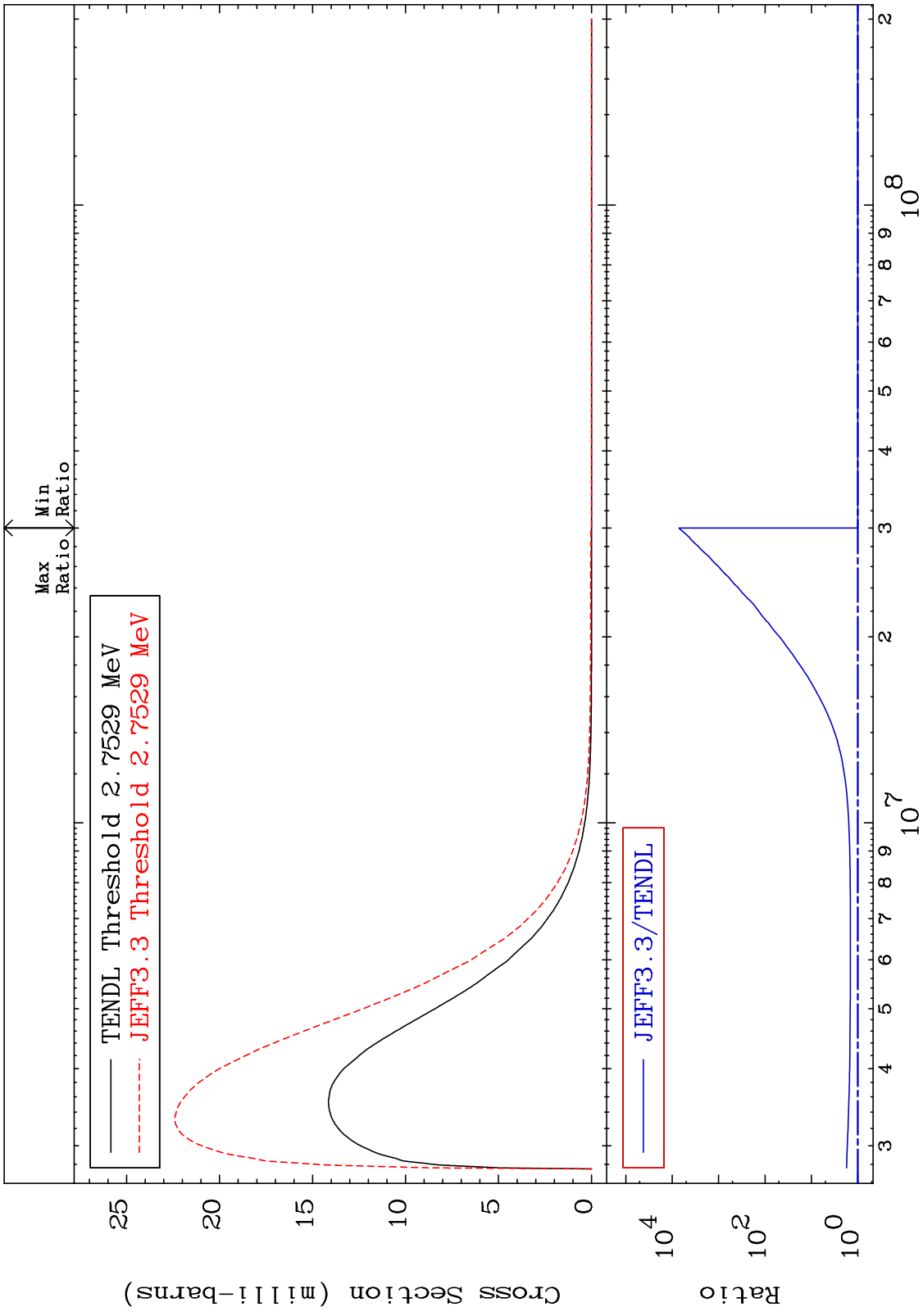
MAT 2228 MT= 74 (n,n') Level Cross Section -91.79 To 418.4 % 22-Ti-47



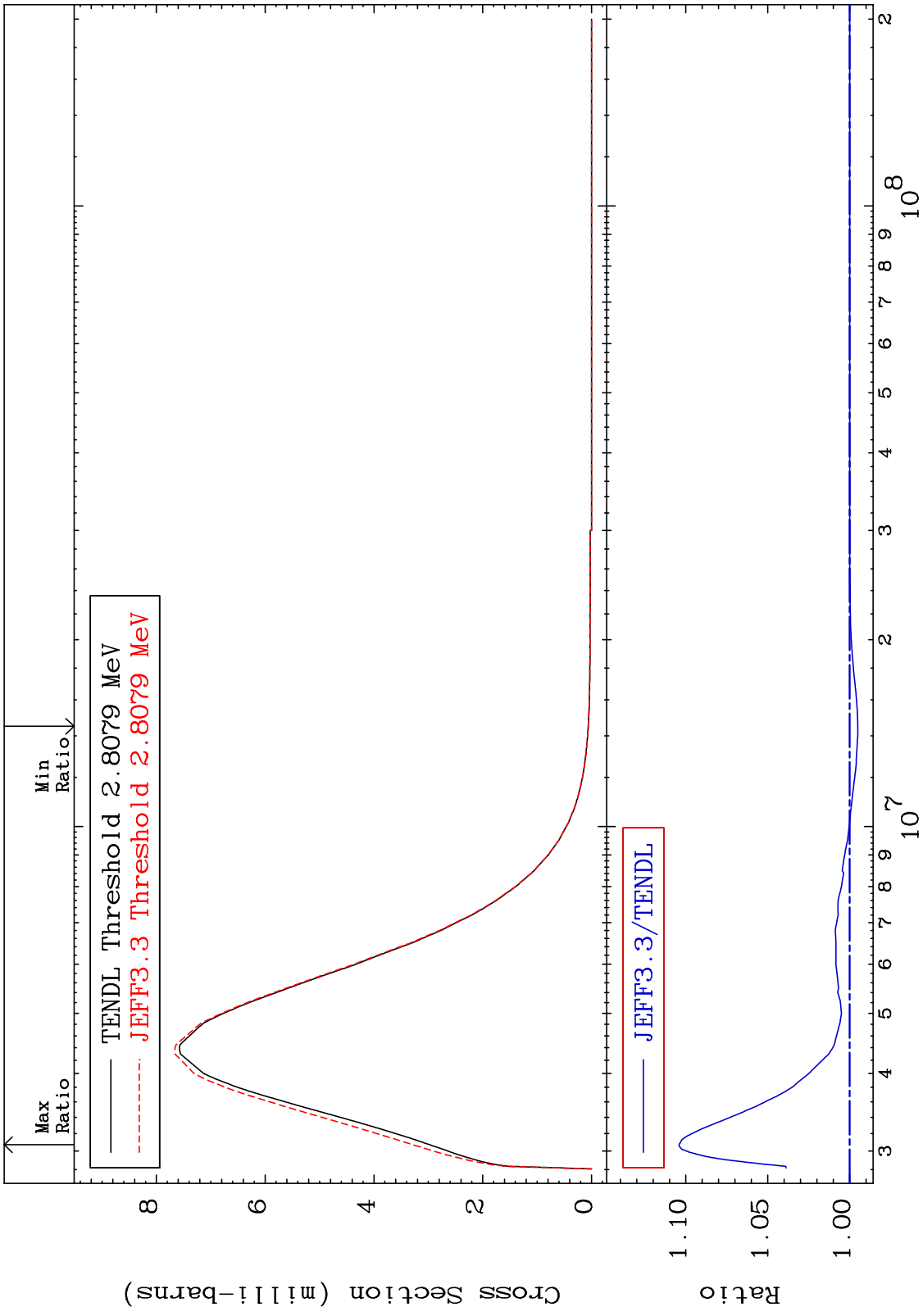
MAT 2228 MT= 75 (n,n') Level Cross Section -6.453 To 0.872 % 22-Ti-47



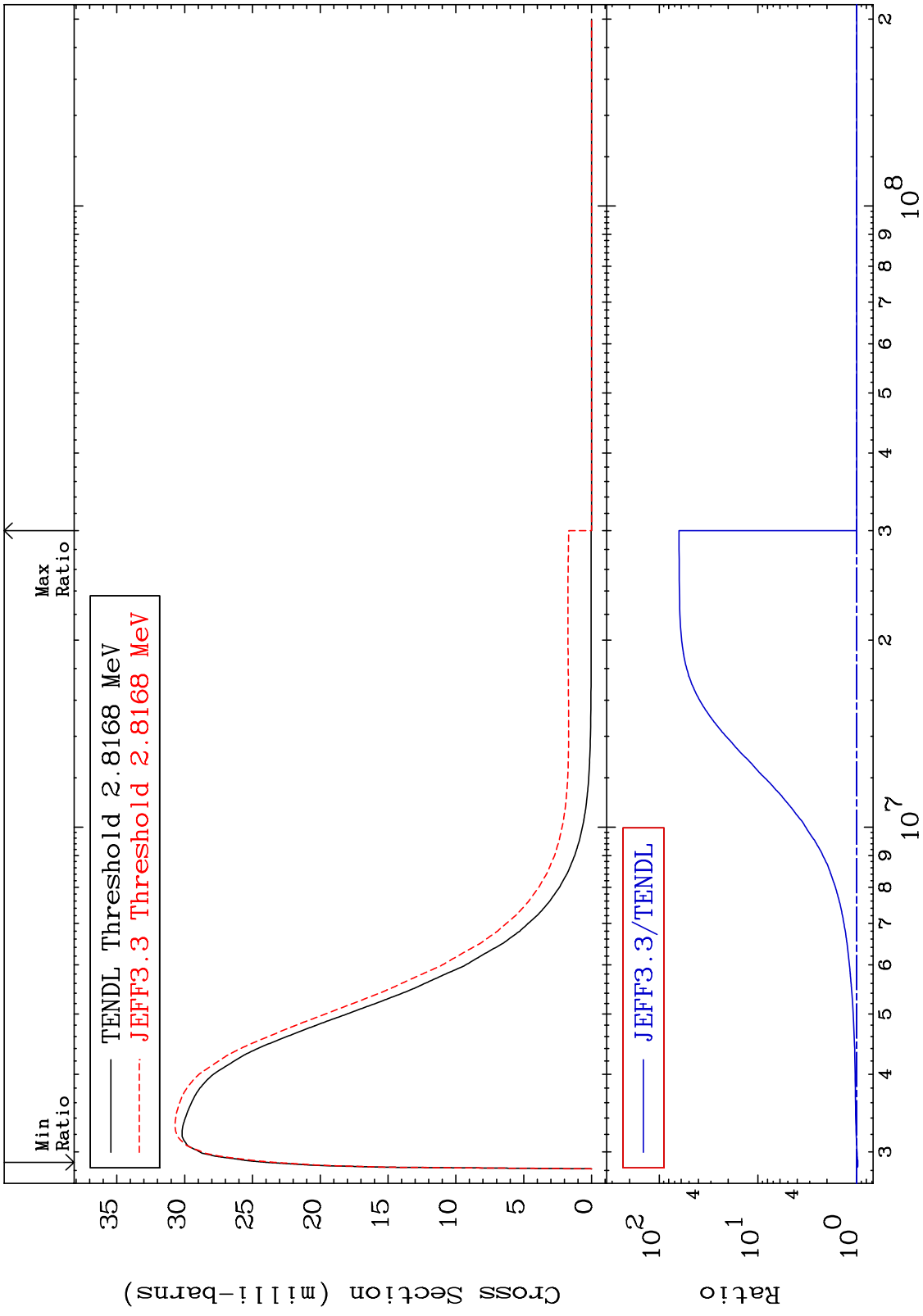
MAT 2228 MT= 76 (n,n') Level Cross Section 22-Ti-47 To 9999. %



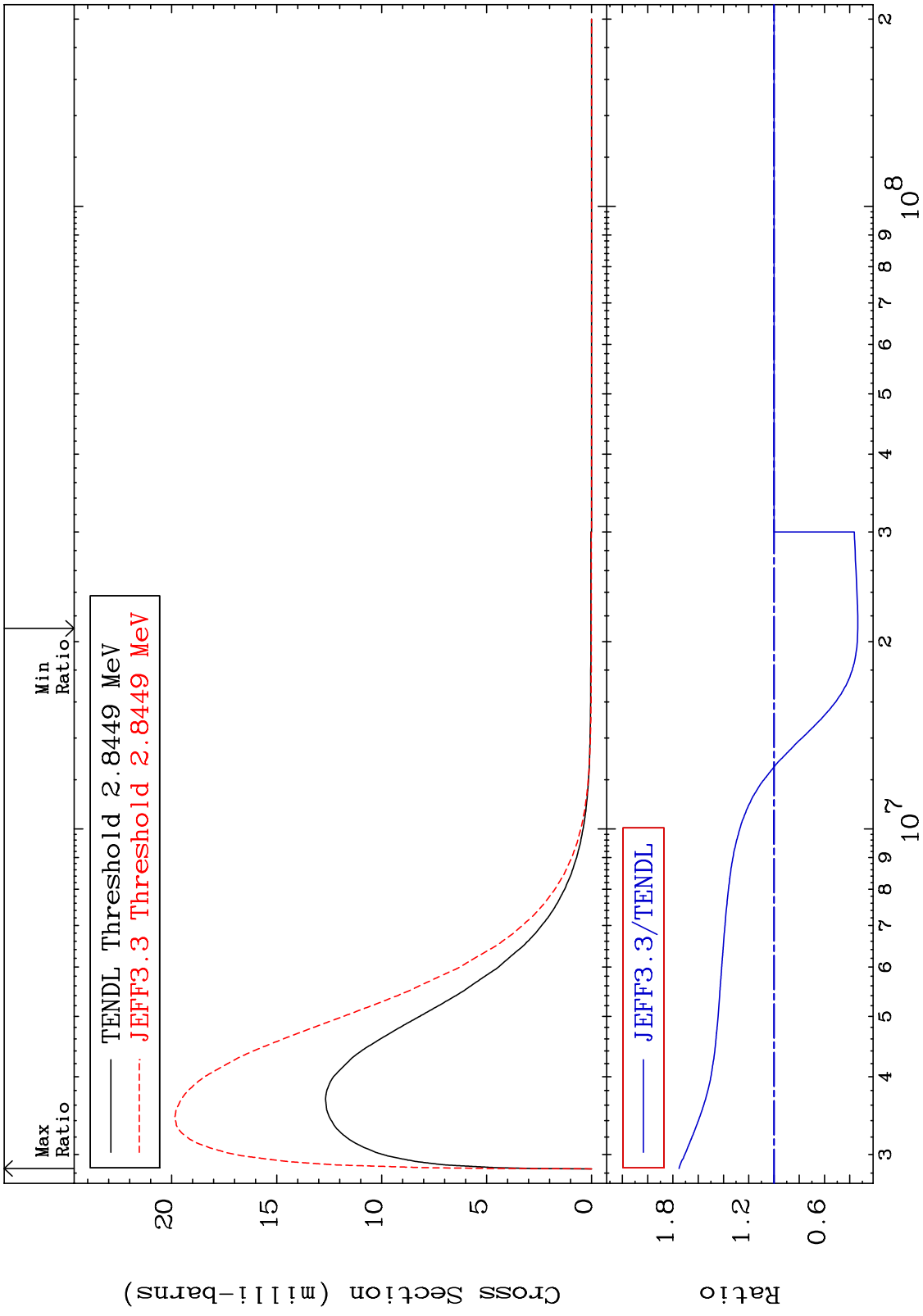
MAT 2228 MT= 77 (n,n') Level Cross Section -0.501 To 10.42 % 22-Ti-47



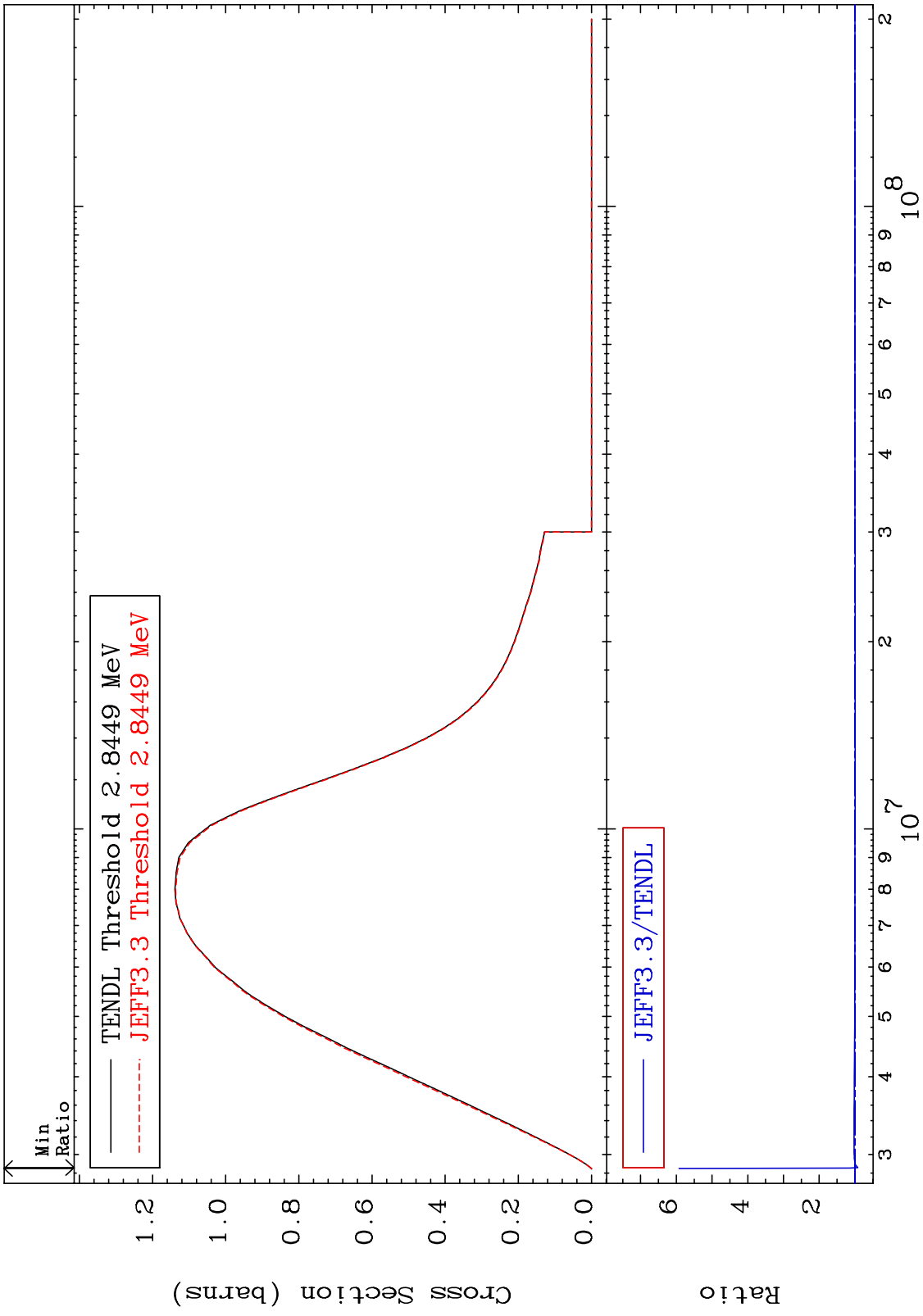
MAT 2228 MT= 78 (n,n') Level Cross Section -2.437 To 6197. % 22-Ti-47



MAT 2228 MT= 79 (n,n') Level Cross Section -66.36 To 75.18 % 22-Ti-47



46 Incident Energy (eV) 22-Ti-47



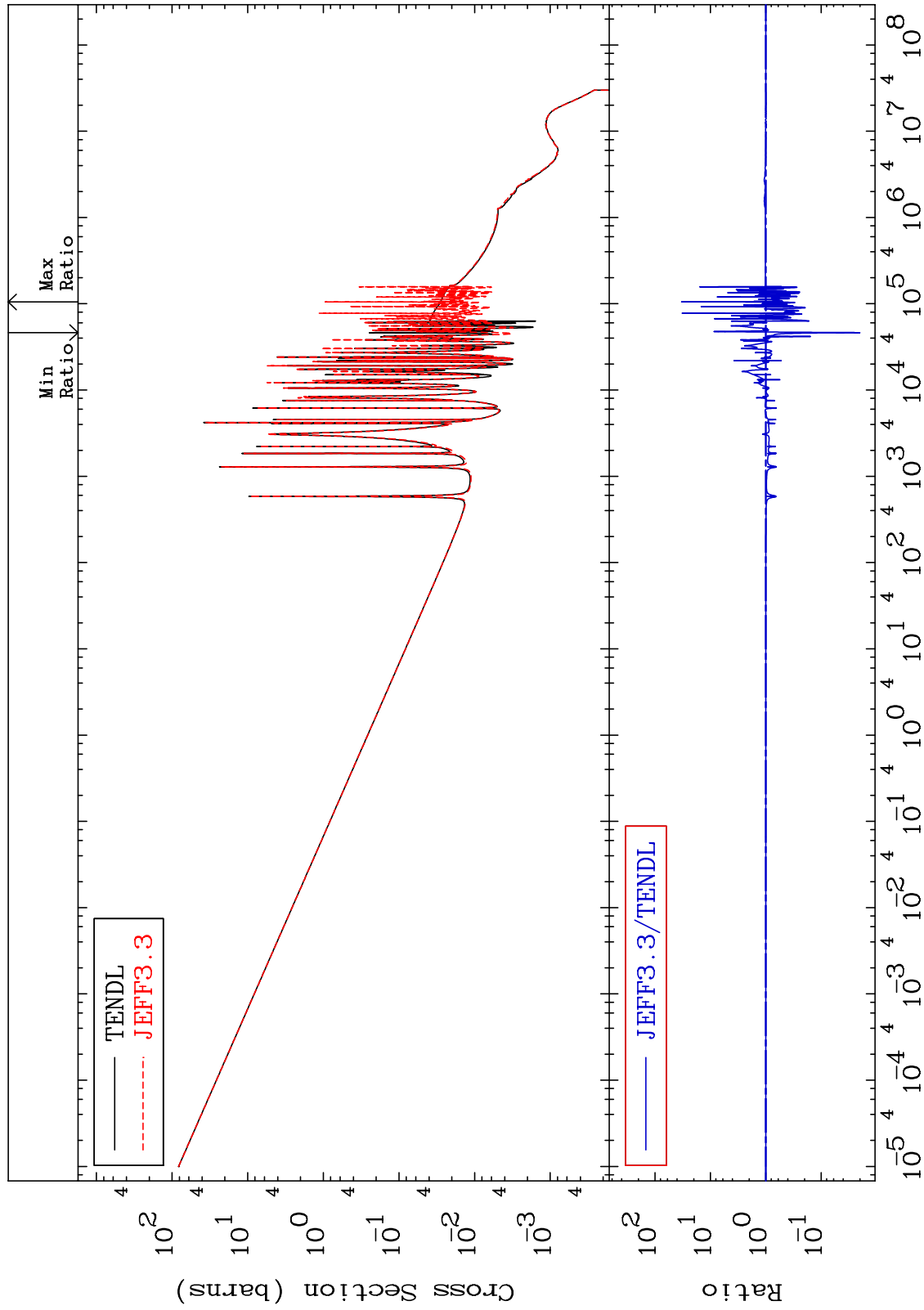
MAT 2228

(n, γ)

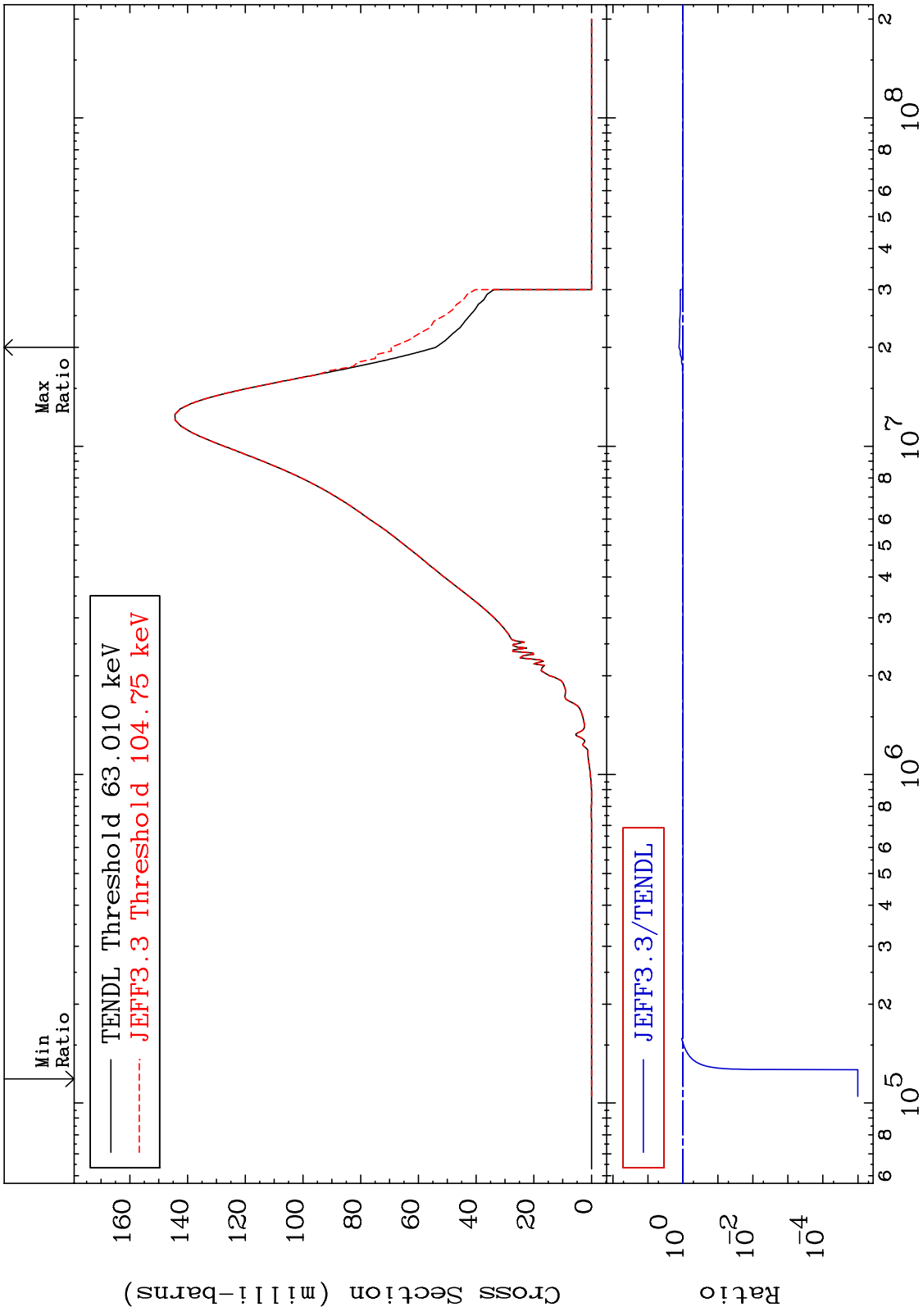
22-Ti-47

Cross Section

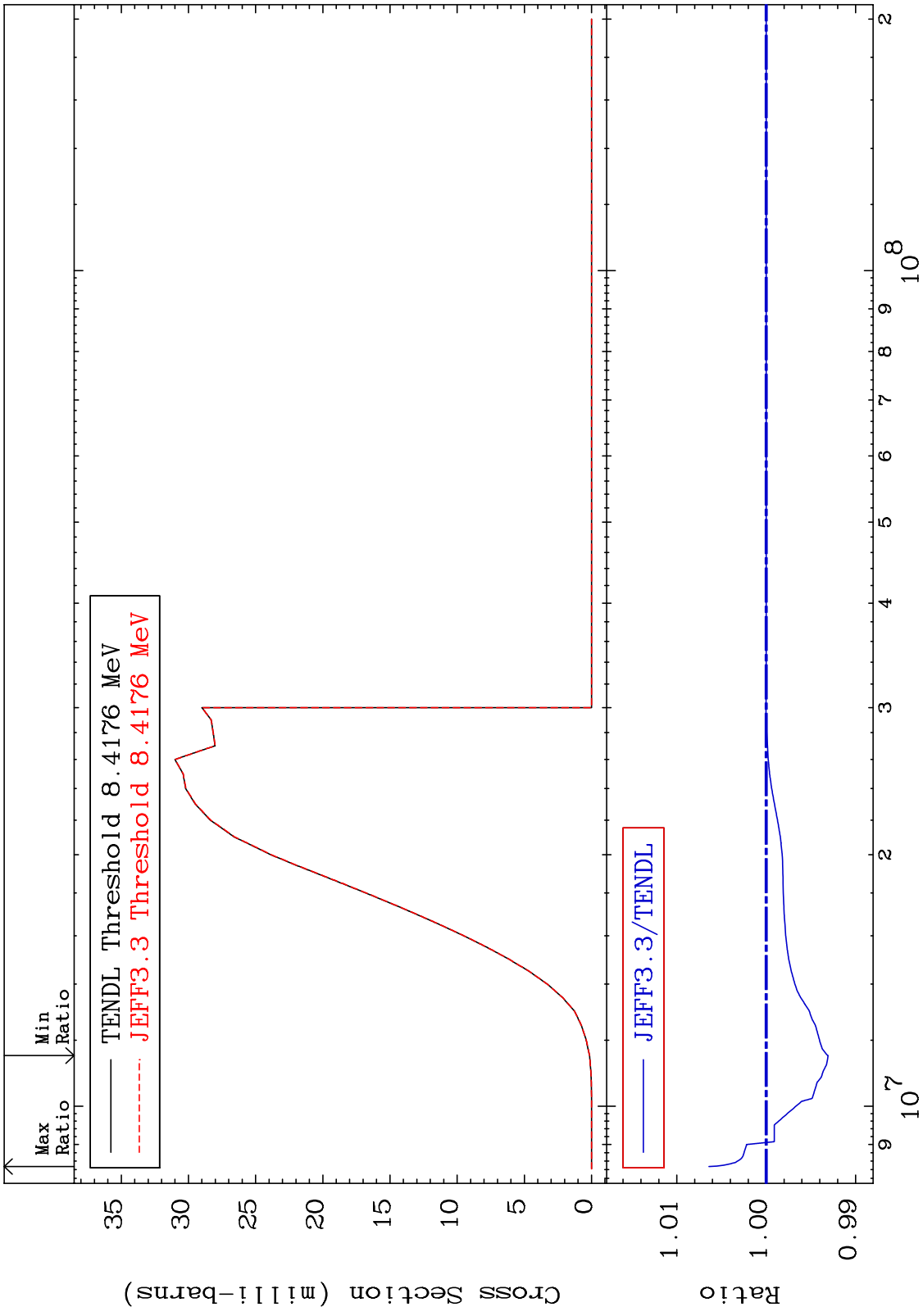
-97.99 To 3236. %



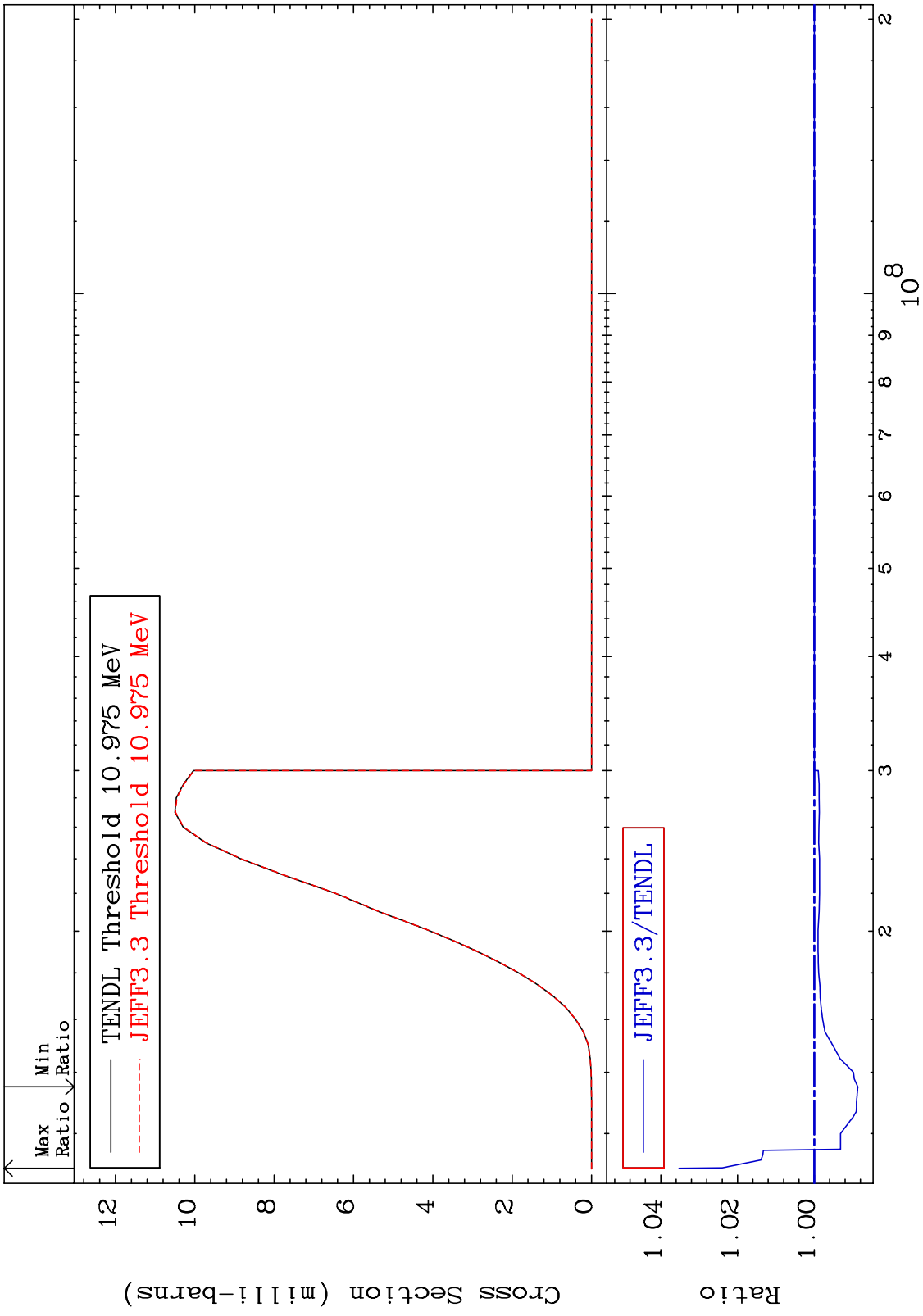
MAT 2228 (n,p) Cross Section 22-Ti-47 -100.0 To 28.61 %

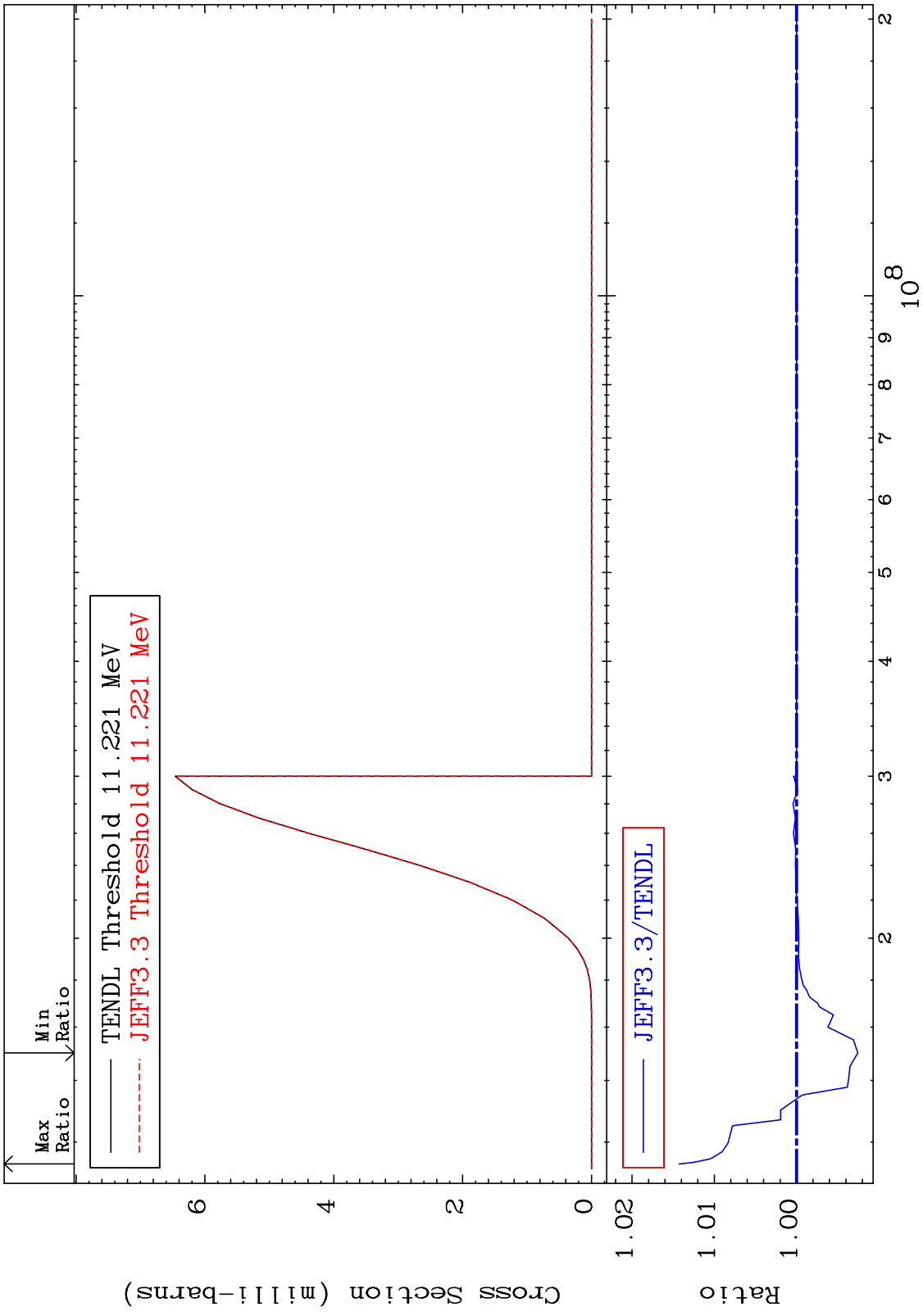


MAT 2228 (n,d) 22-Ti-47
 Cross Section -0.691 To 0.640 %

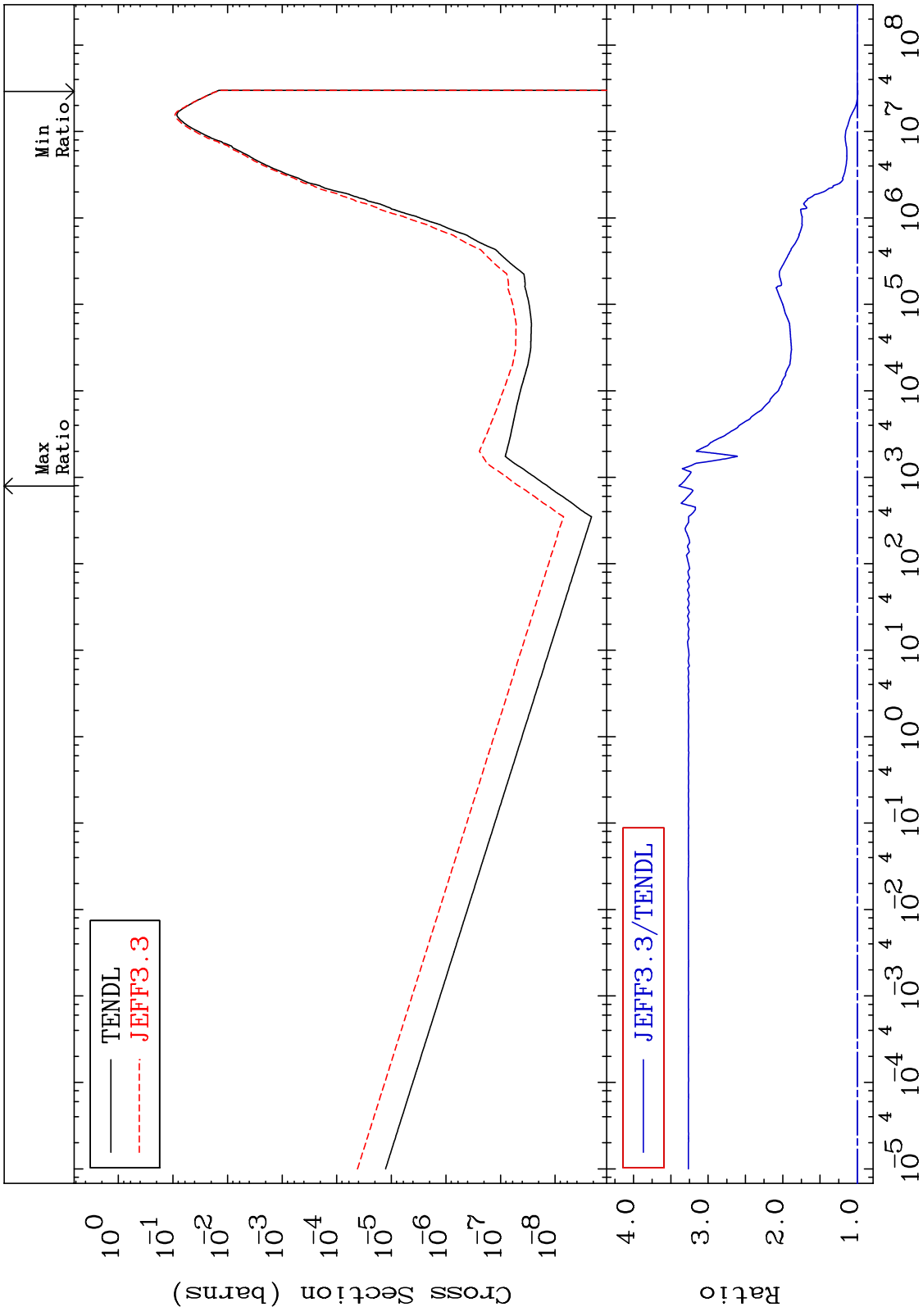


50 22-Ti-47

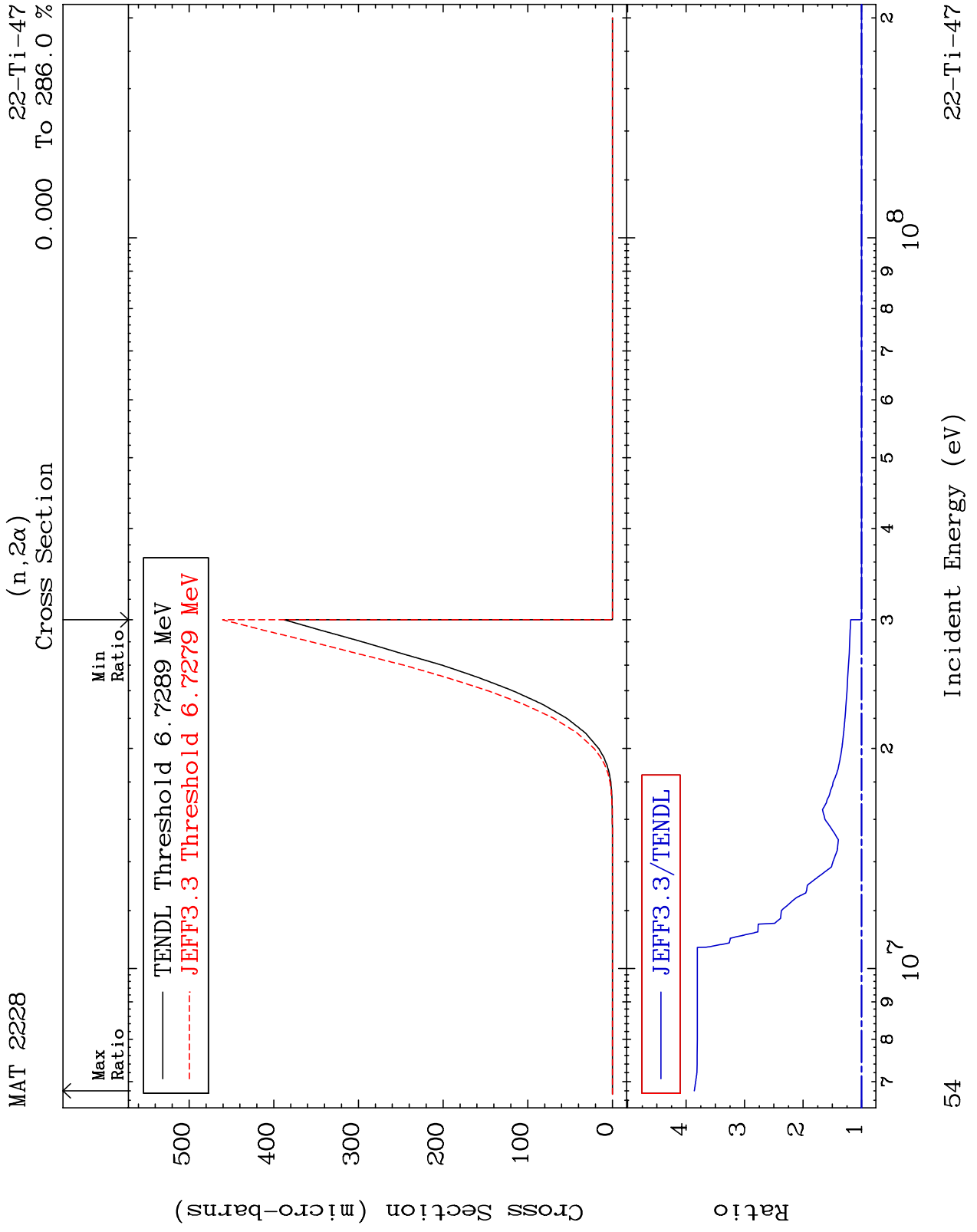


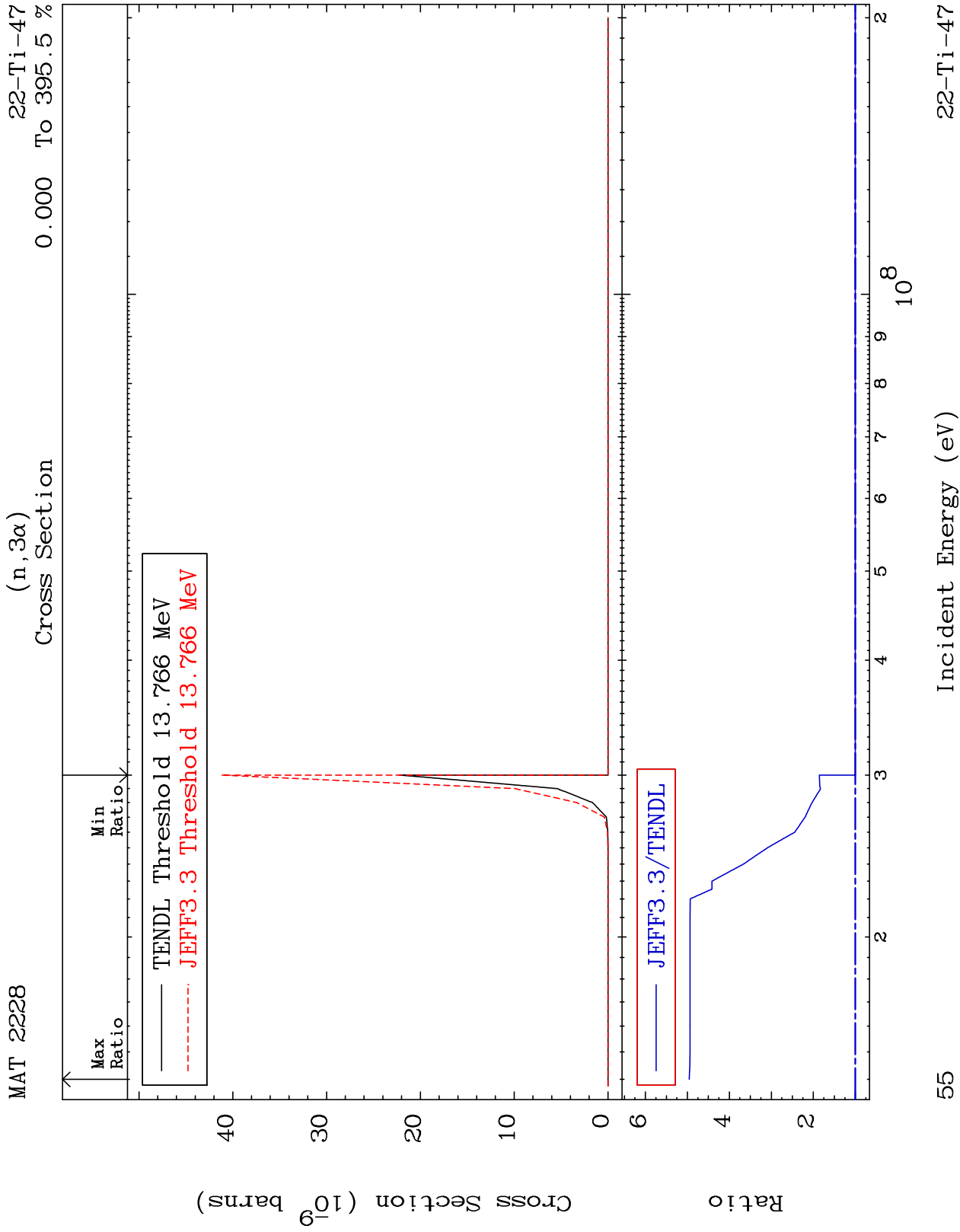


MAT 2228 (n, α) Cross Section $^{22}\text{Ti-47}$ -0.644 To 239.0 %

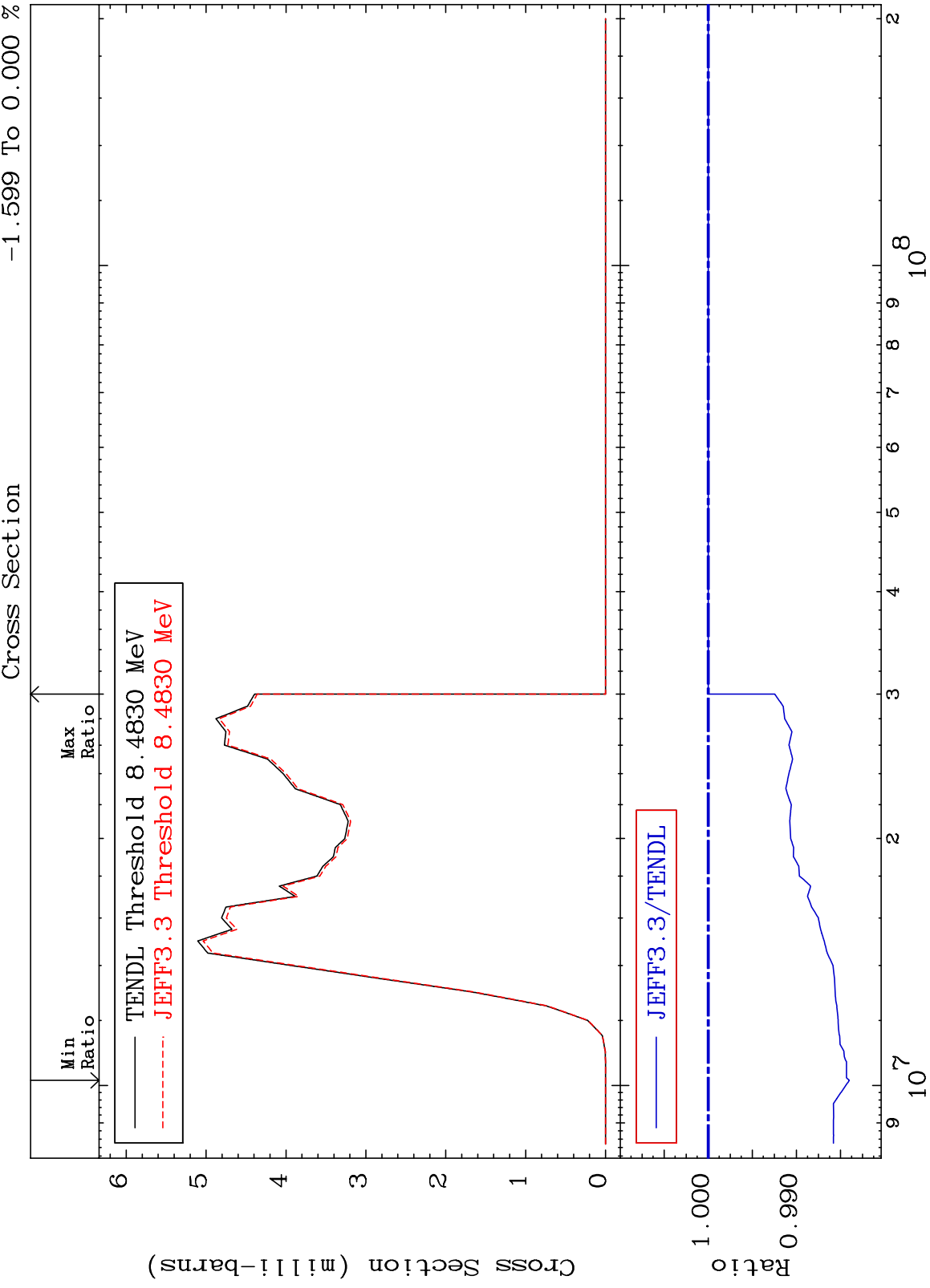


53 $^{22}\text{Ti-47}$



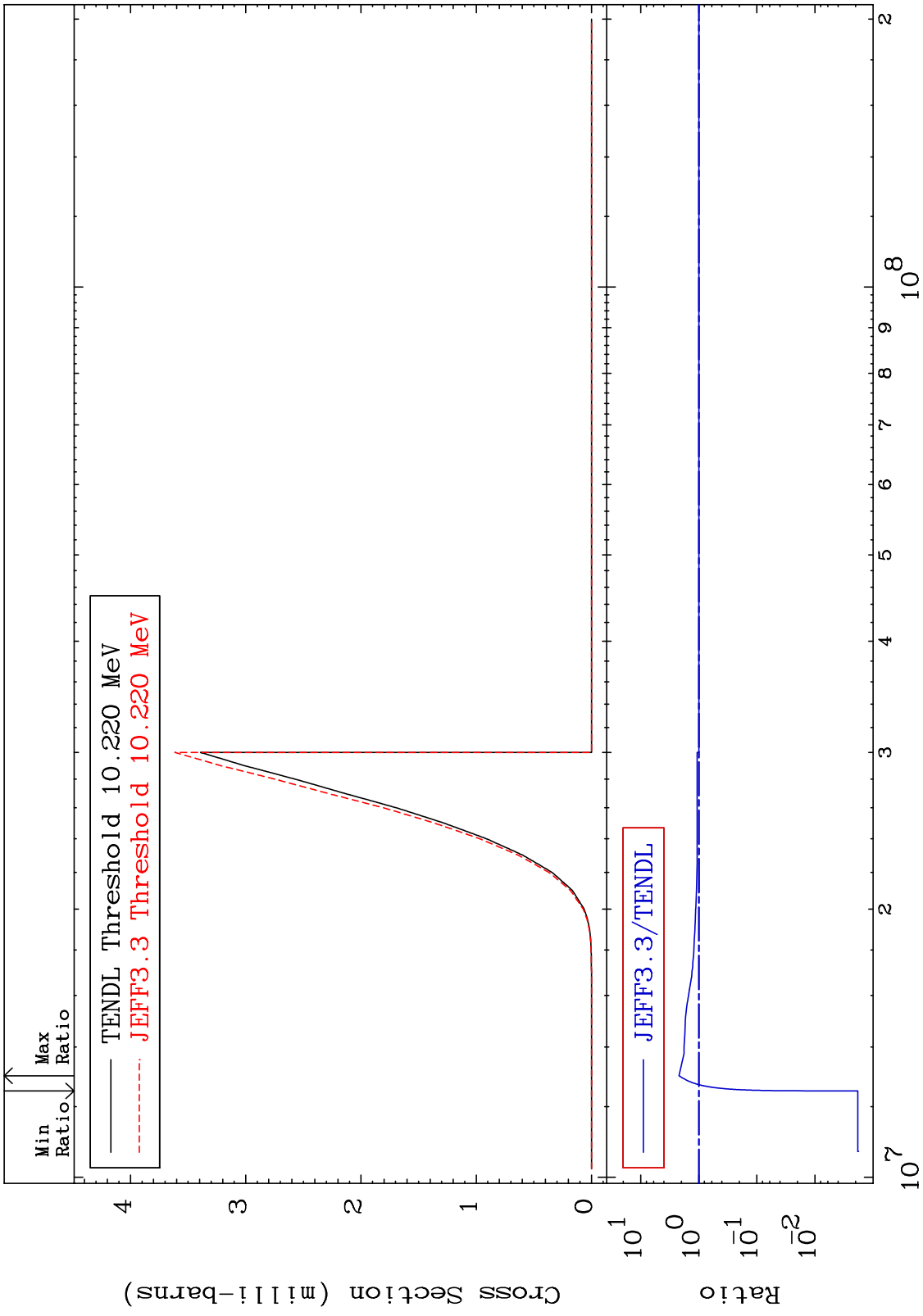


MAT 2228 (n,2p) 22-Ti-47
-1.599 To 0.000 %



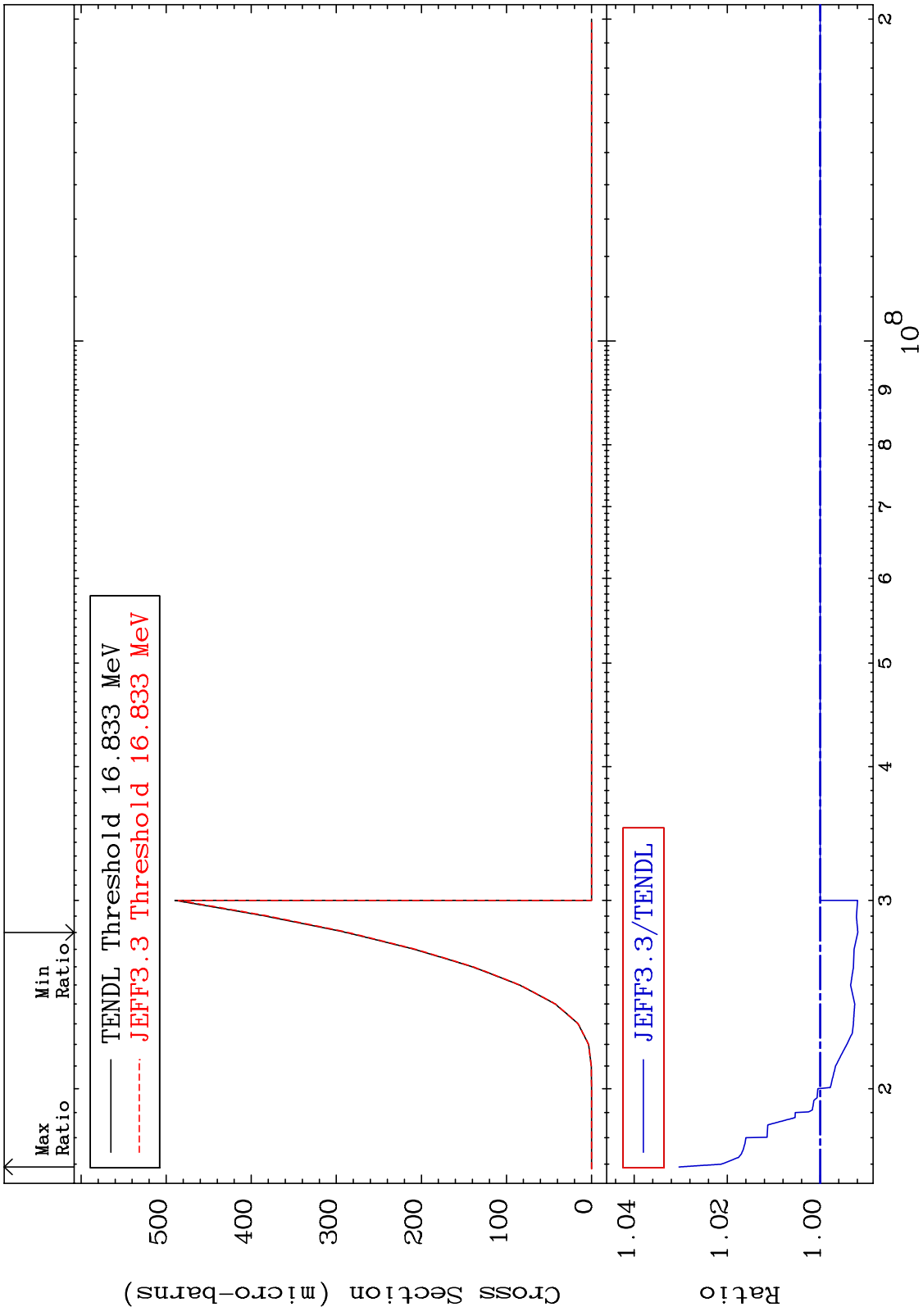
56 22-Ti-47

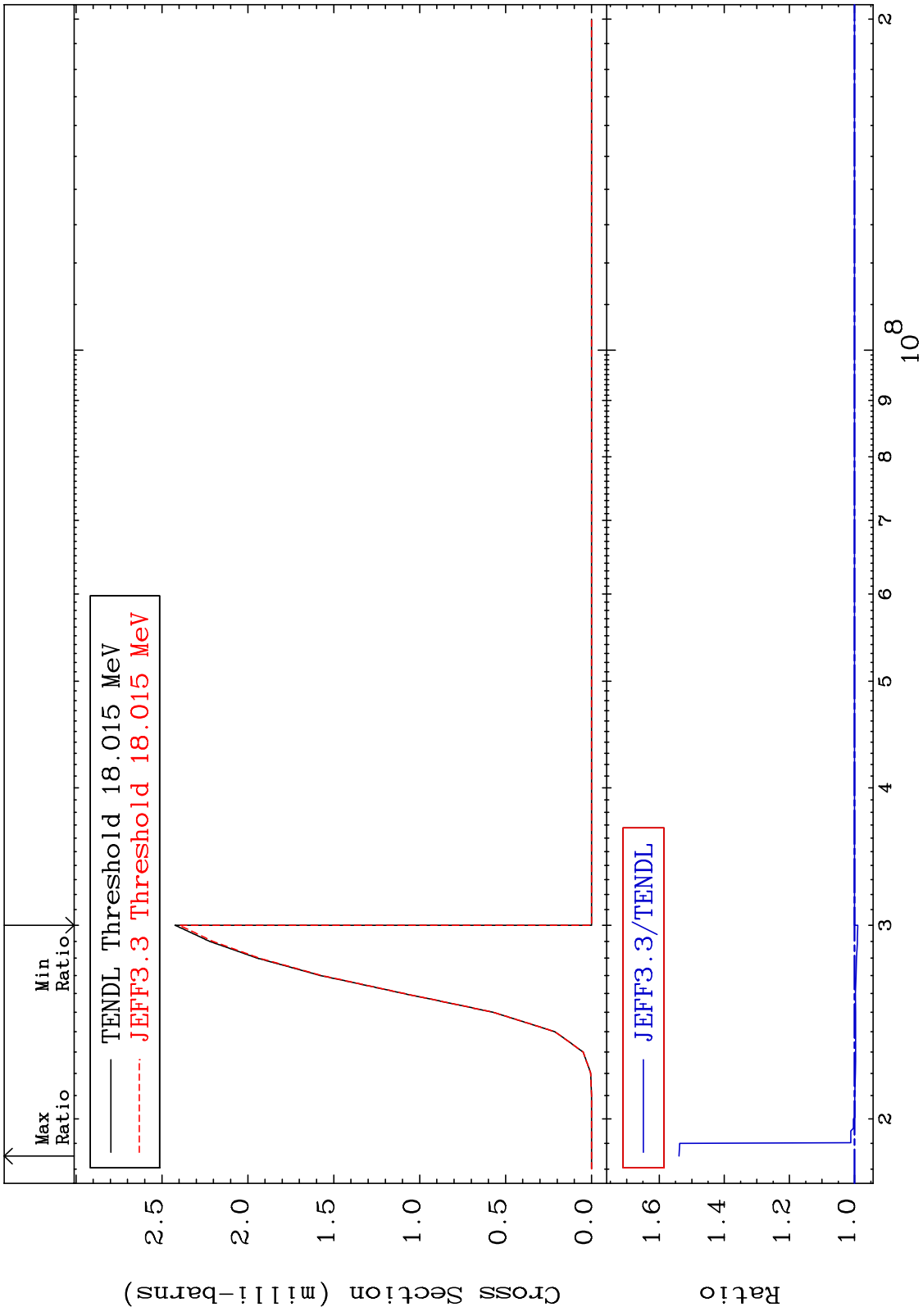
MAT 2228 (n,p) α 22-Ti-47
 Cross Section -99.82 To 118.6 %



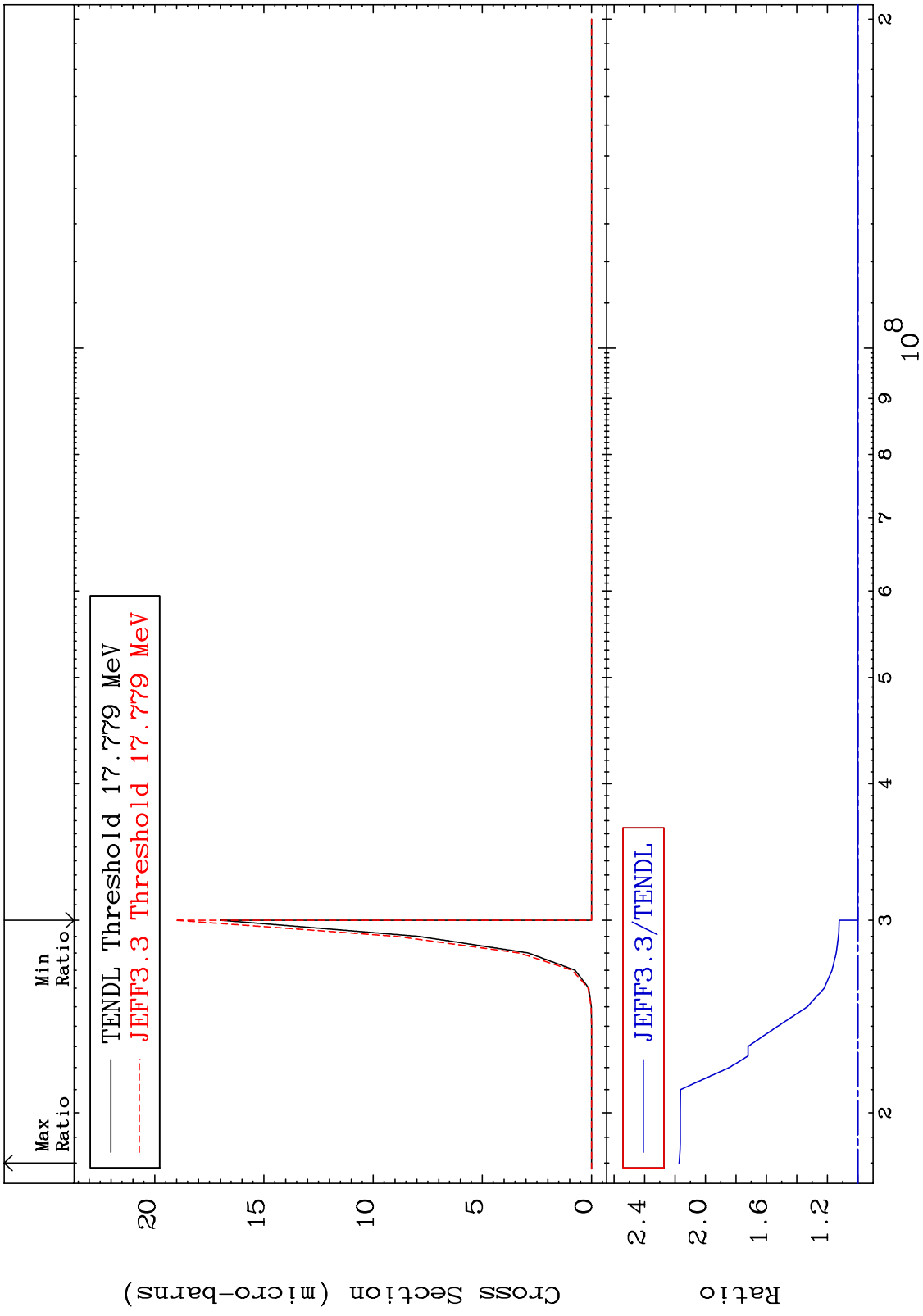
57 22-Ti-47

MAT 2228 (n,p) d 22-Ti-47
 Cross Section -0.810 To 3.035 %





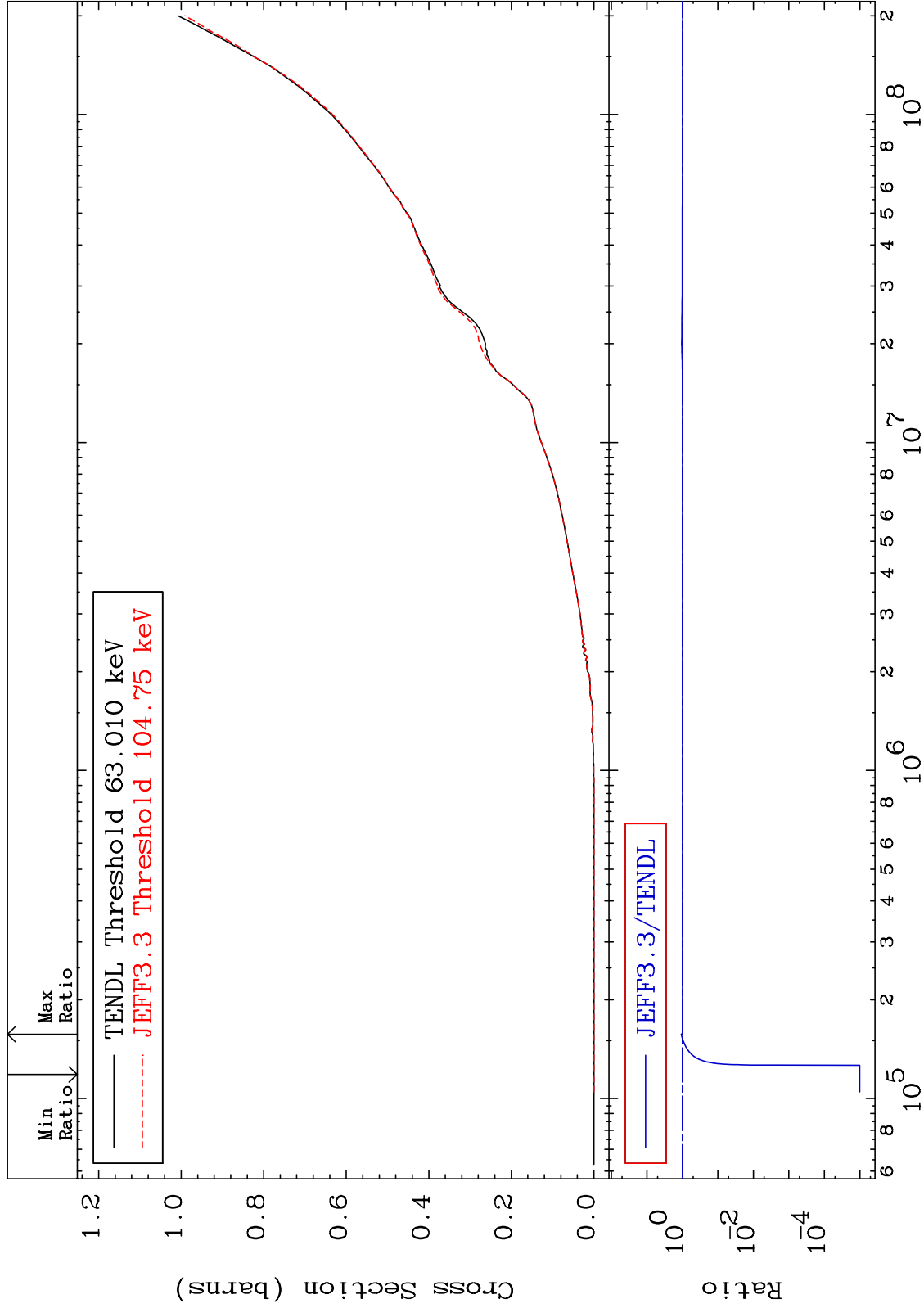
MAT 2228 (n,d) α 22-Ti-47
 Cross Section 0.000 To 117.4 %



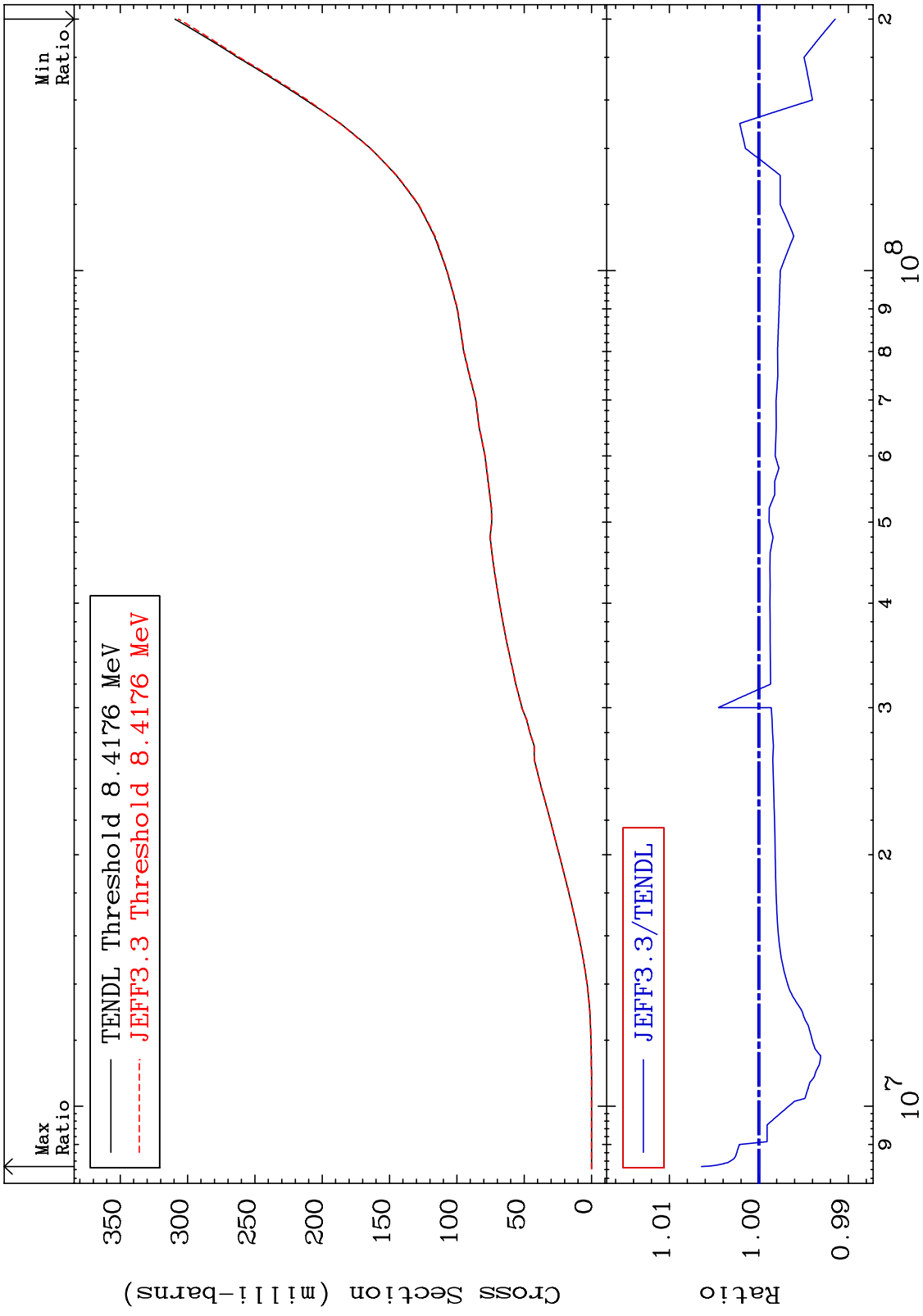
MAT 2228

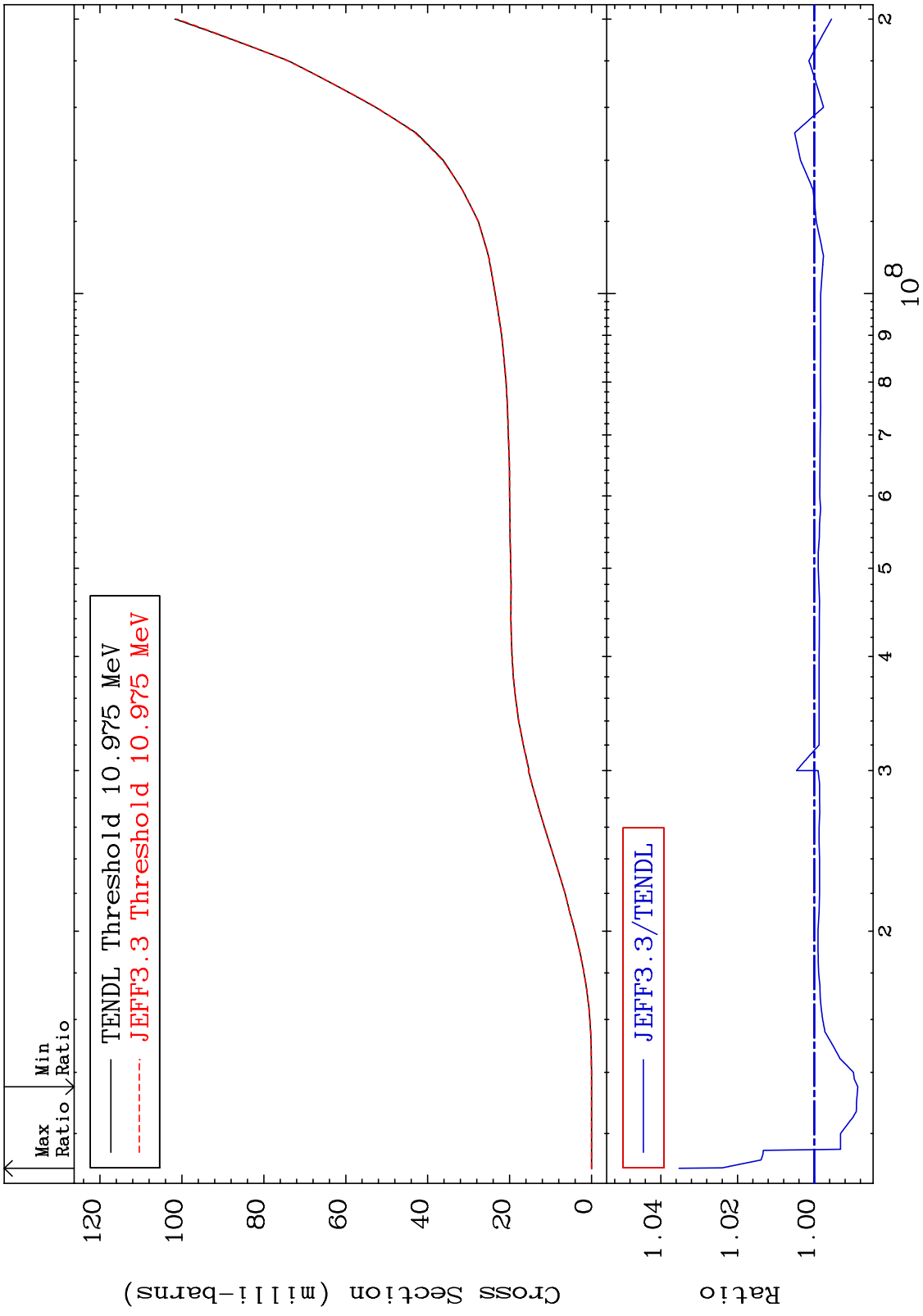
Hydrogen Production
Cross Section

22-Ti-47
-100.0 To 7.781 %

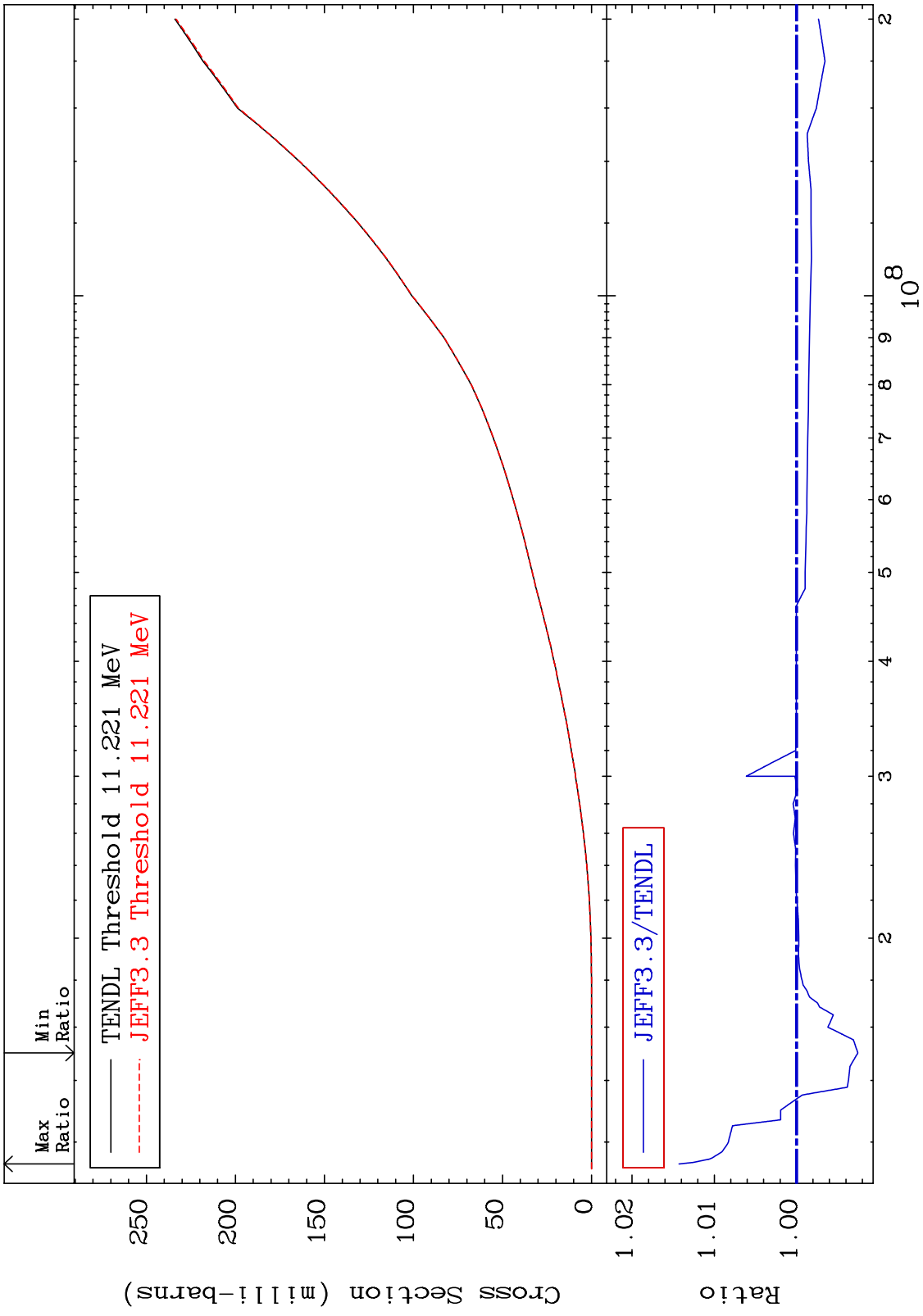


MAT 2228 Deuterium Production Cross Section 22-Ti-47 -0.854 To 0.640 %

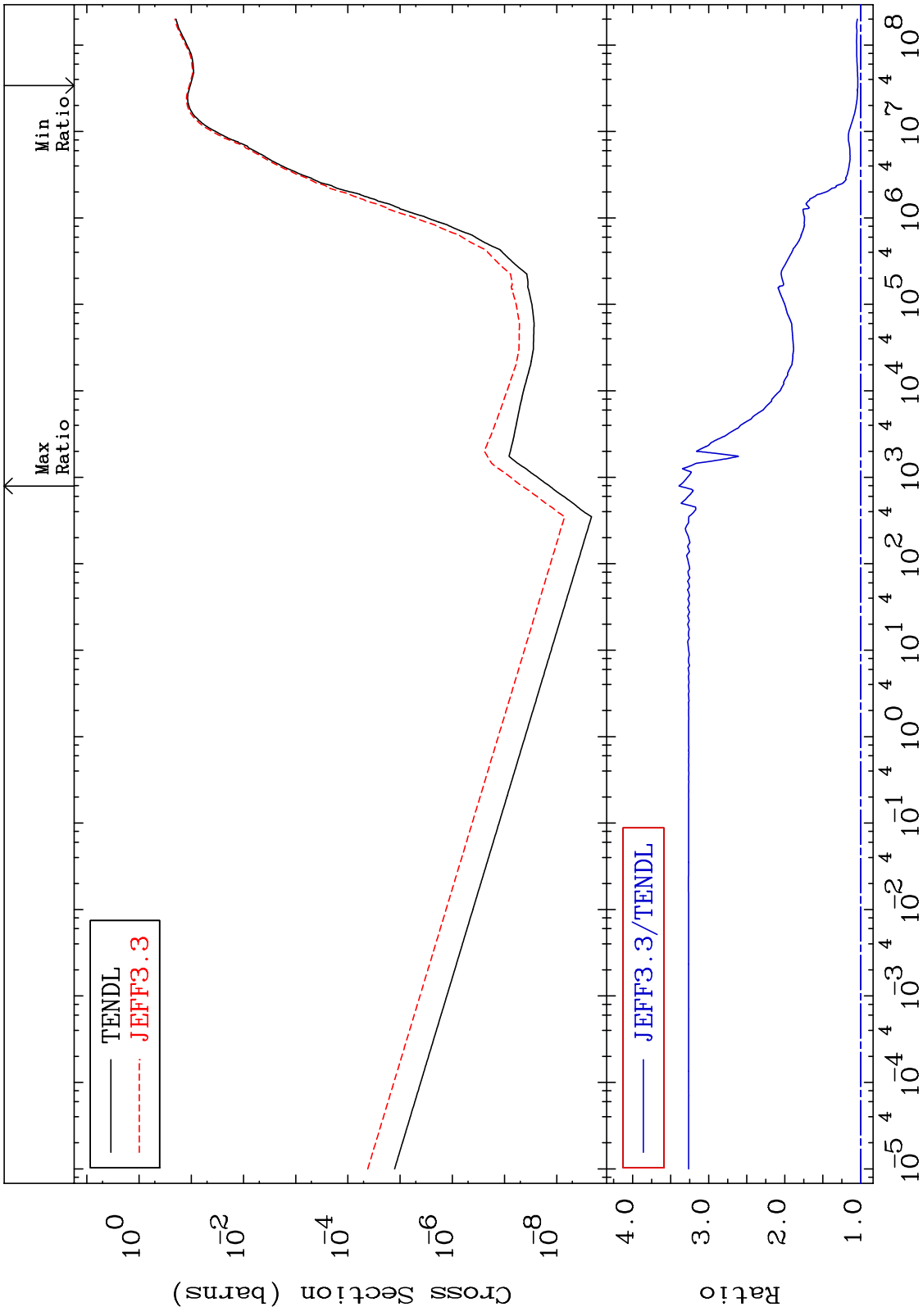




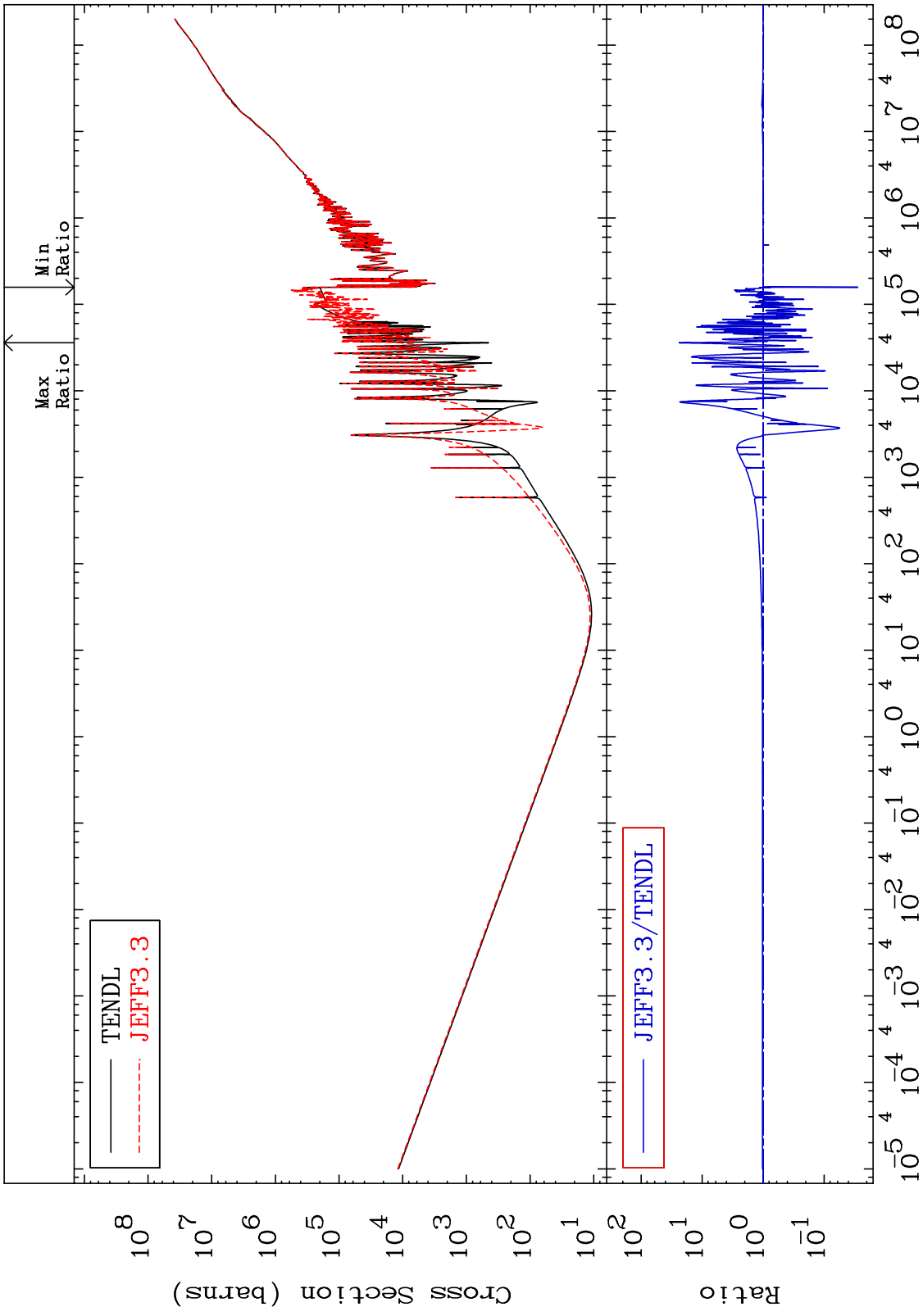
MAT 2228 He-3 Production Cross Section -0.745 To 1.429 % 22-Ti-47



MAT 2228 He-4 Production Cross Section 22-Ti-47 3.809 To 239.0 %



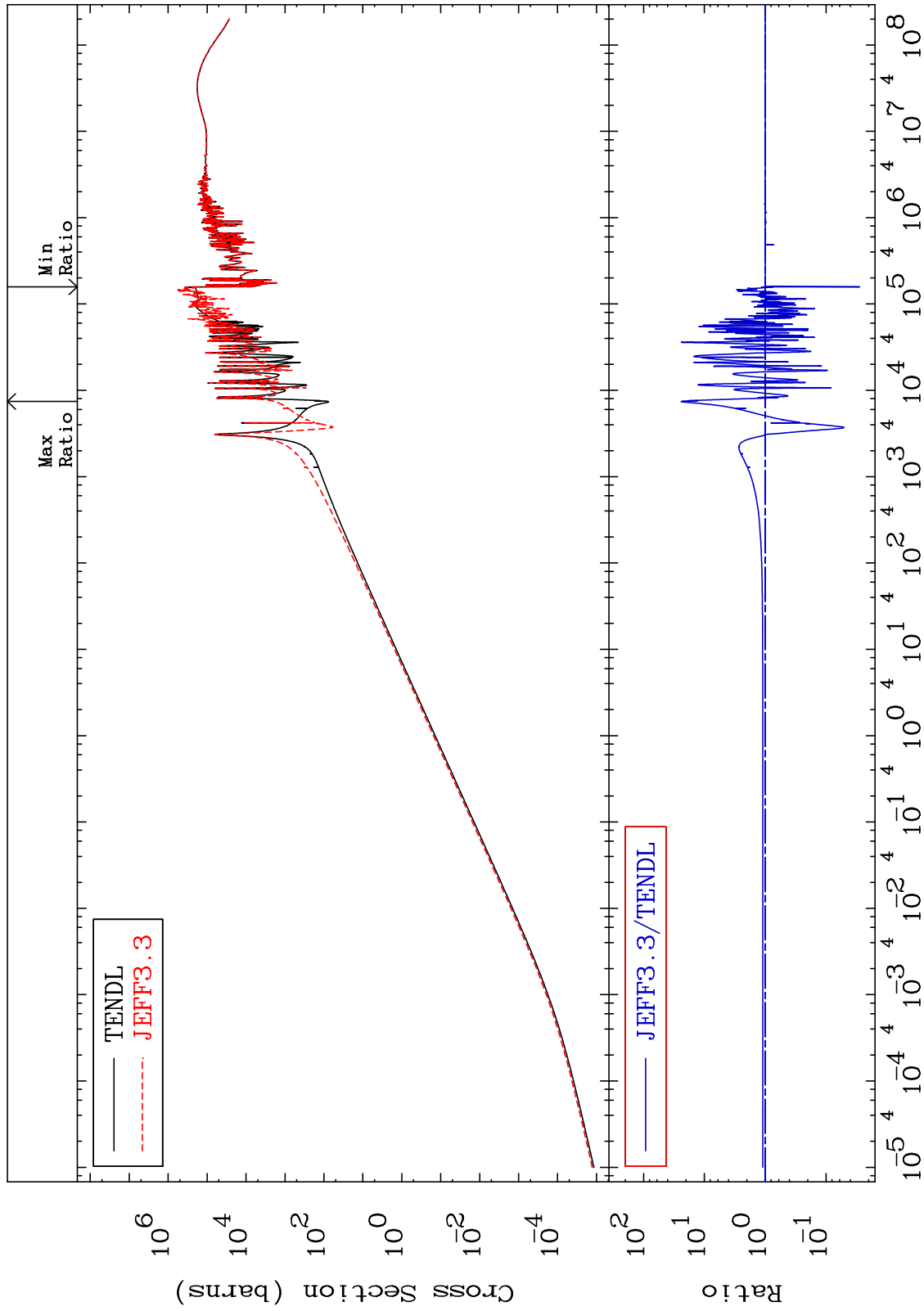
MAT 2228 Kerma total (eV-barns) Cross Section 22-Ti-47 -97.20 To 2287. %



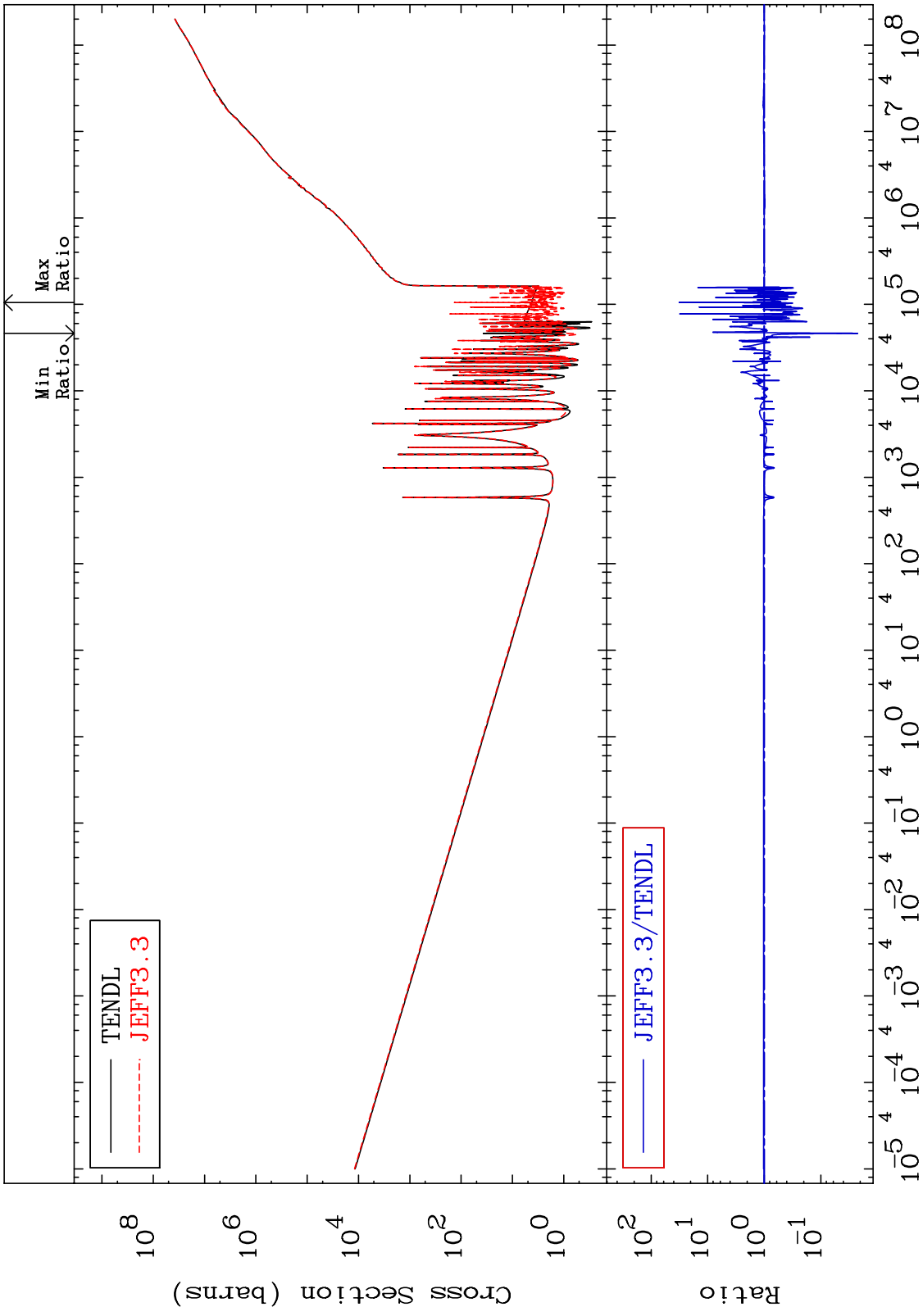
MAT 2228

Kerma elastic
Cross Section

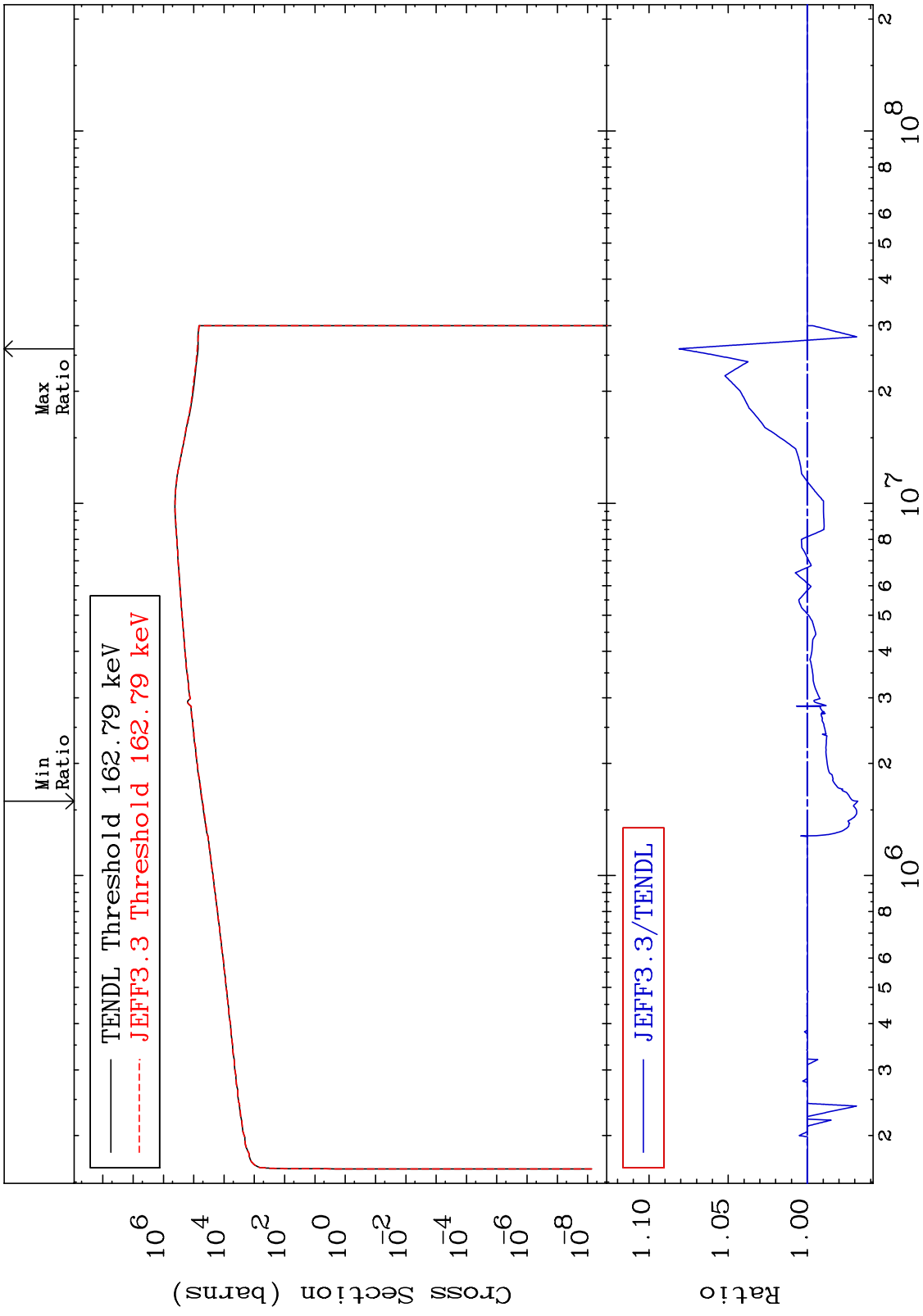
22-Ti-47
-97.20 To 2301. %



MAT 2228 Kerma non-elastic (all but mt2) 22-Ti-47
 Cross Section -97.79 To 3108. %



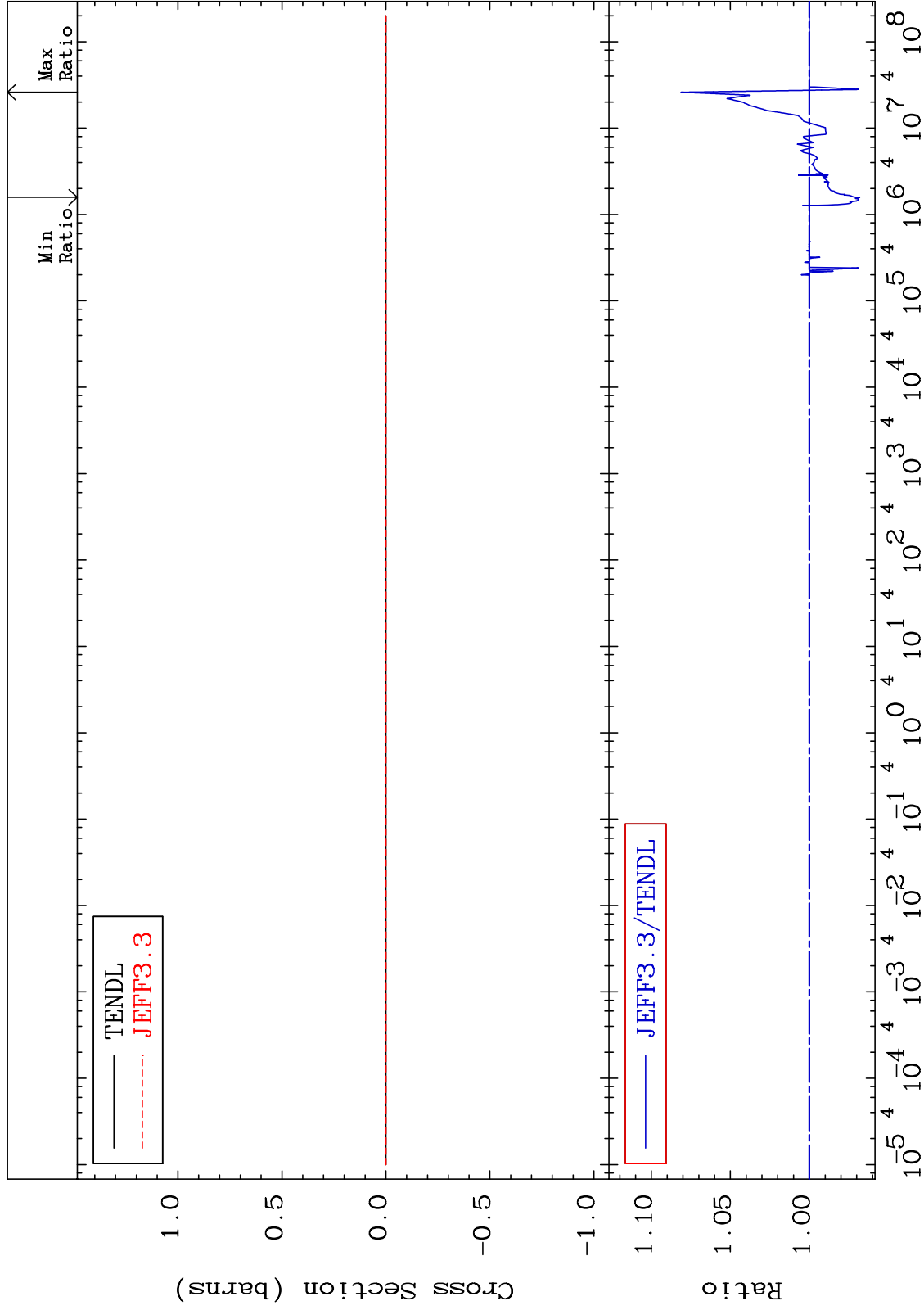
68 Incident Energy (eV) 22-Ti-47



MAT 2228

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

22-Ti-47
-3.192 To 8.109 %



70

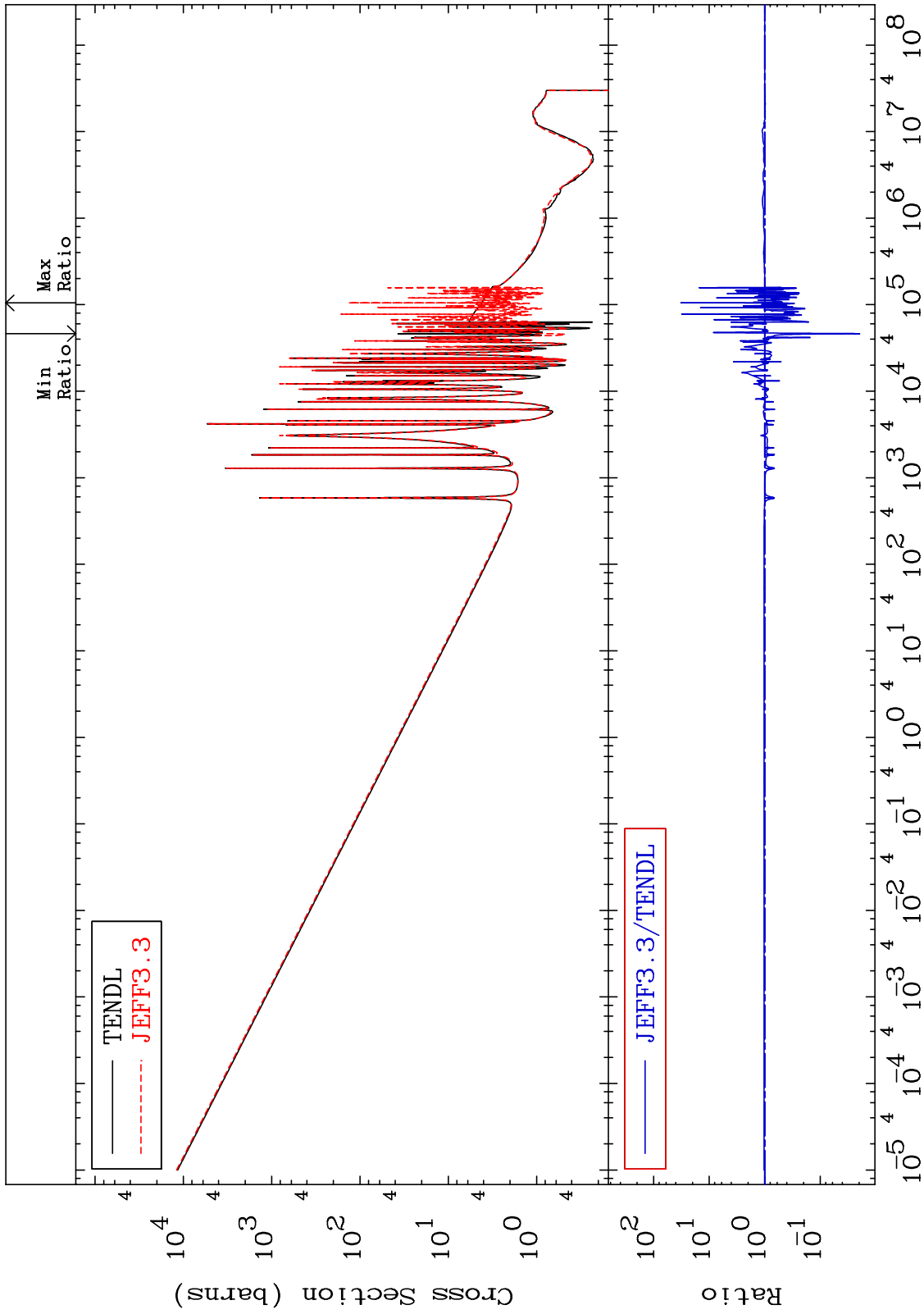
Incident Energy (eV)

22-Ti-47

MAT 2228

Kerma capture (mt102)
Cross Section

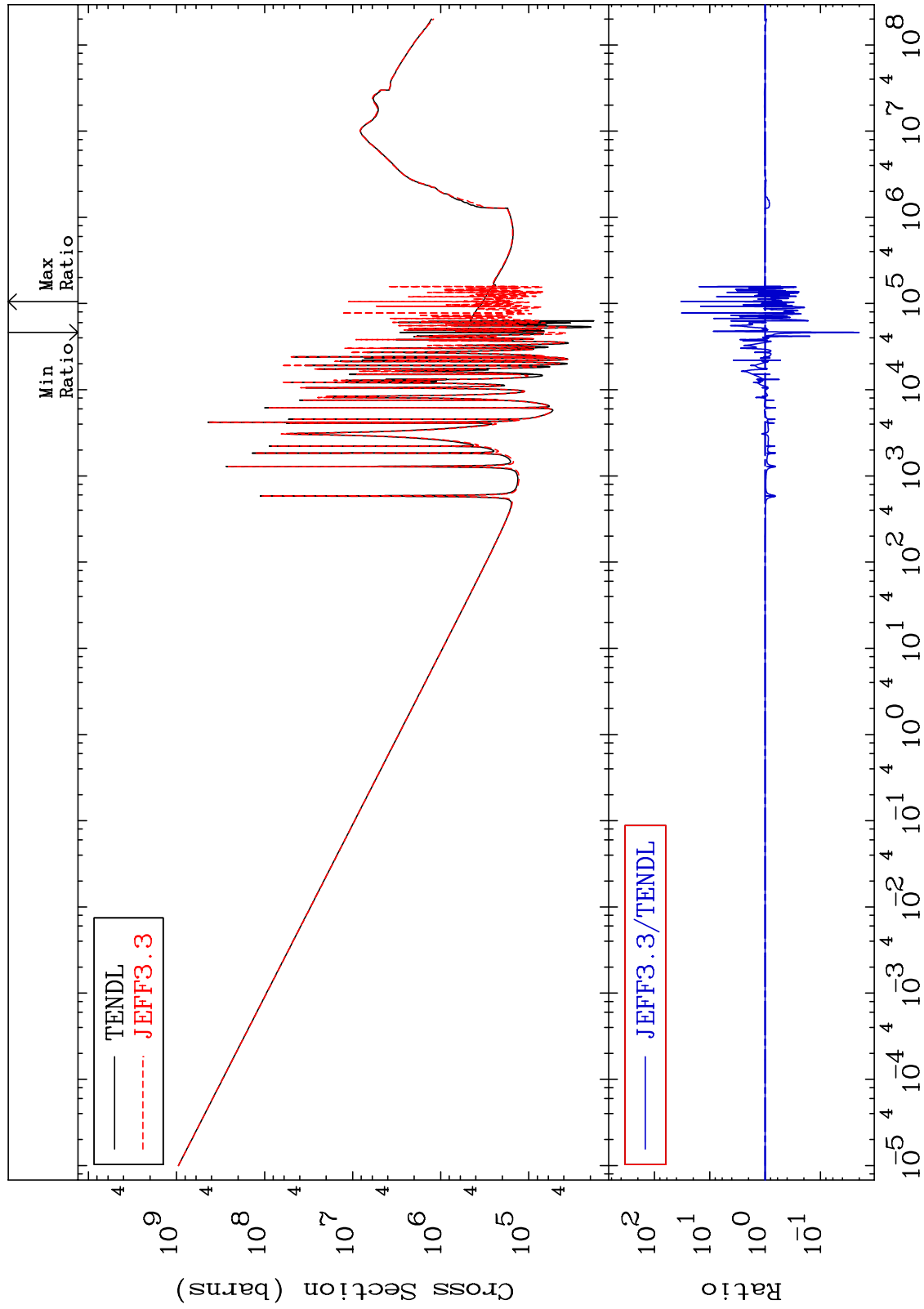
22-Ti-47
-98.05 To 3152. %



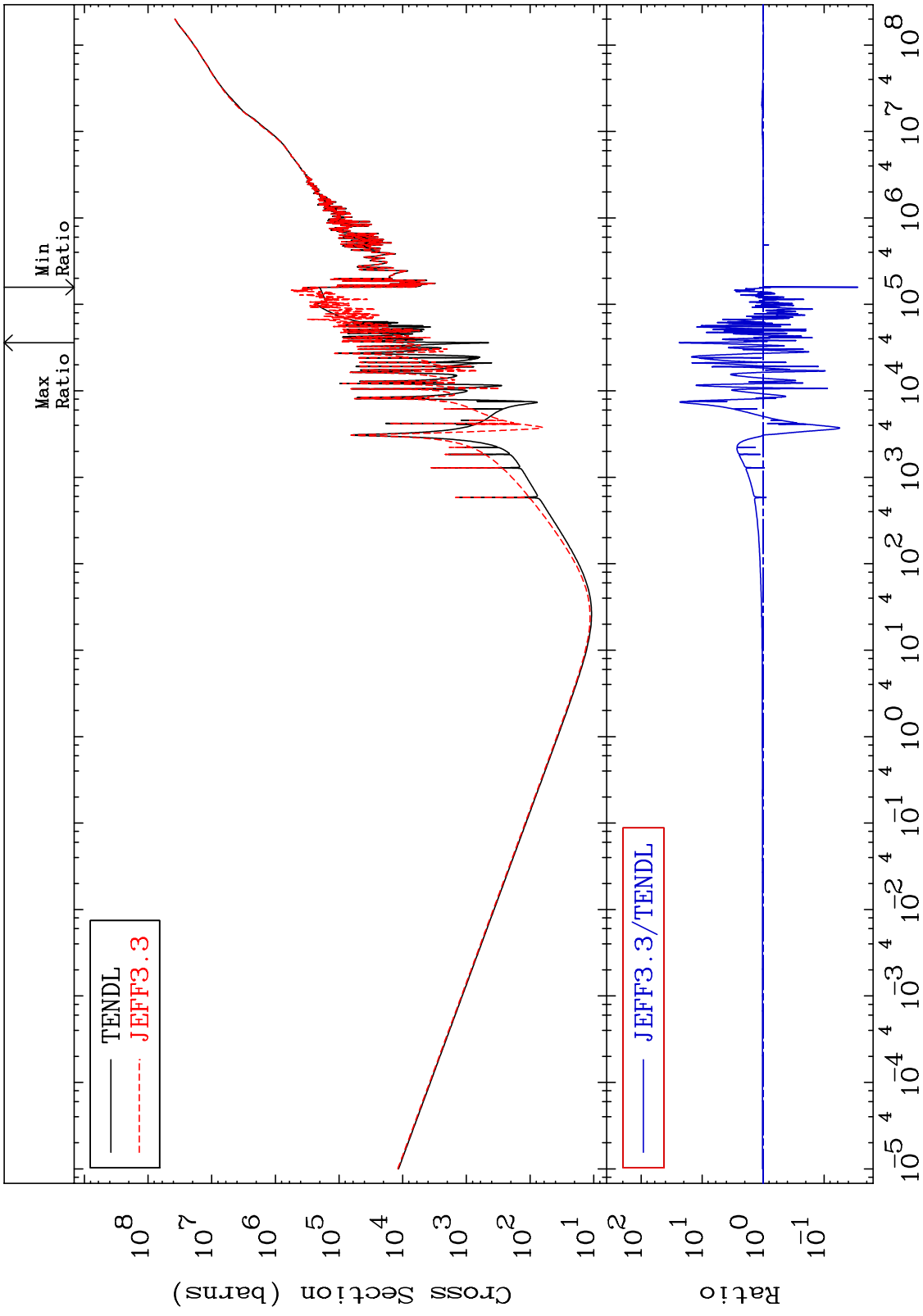
MAT 2228

Total photon (eV-barns)
Cross Section

22-Ti-47
-97.99 To 3236. %



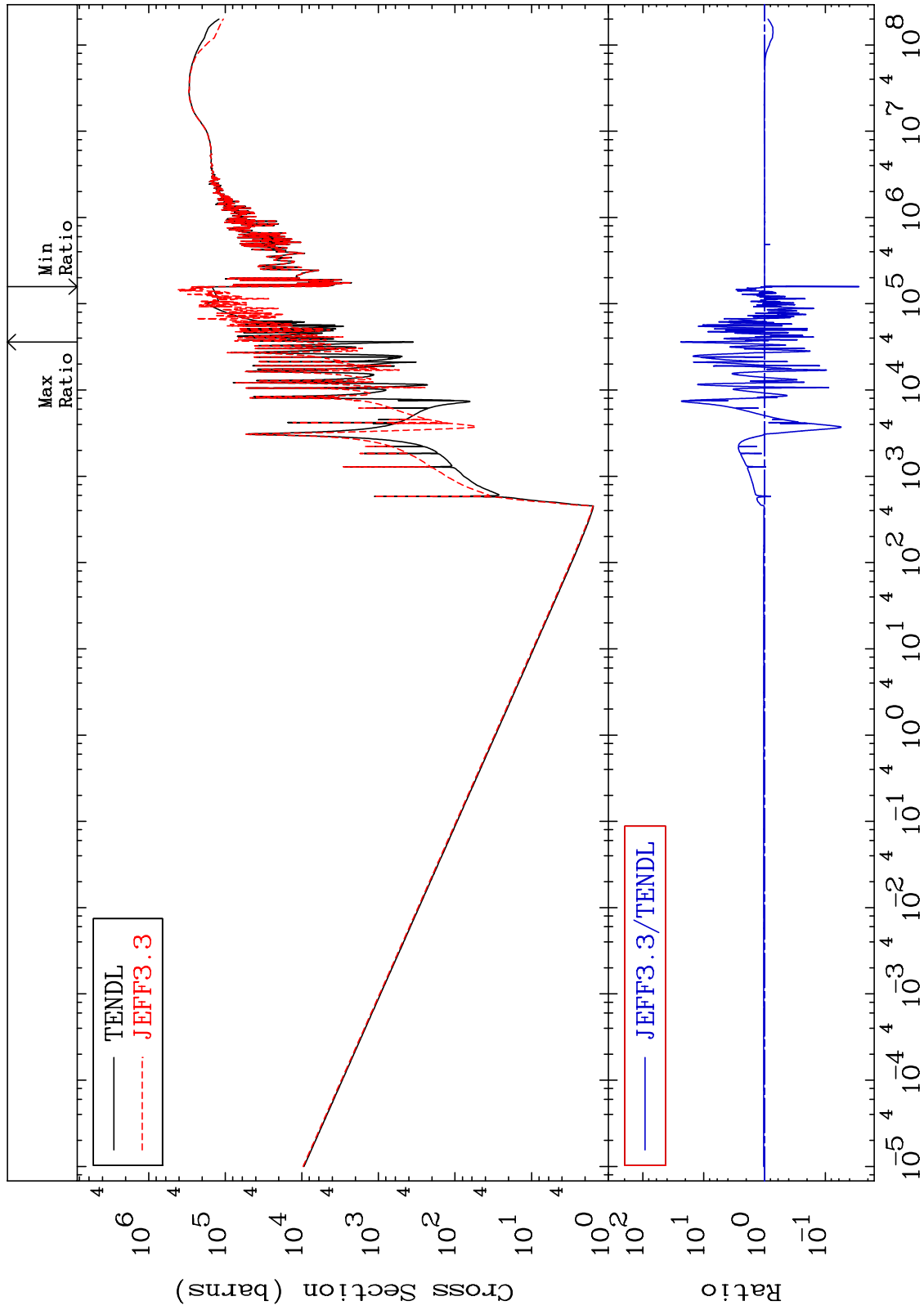
MAT 2228 Total kinematic kerma (high limit) Cross Section -97.20 To 2287. % 22-Ti-47



MAT 2228

Dpa total (eV-barns)
Cross Section

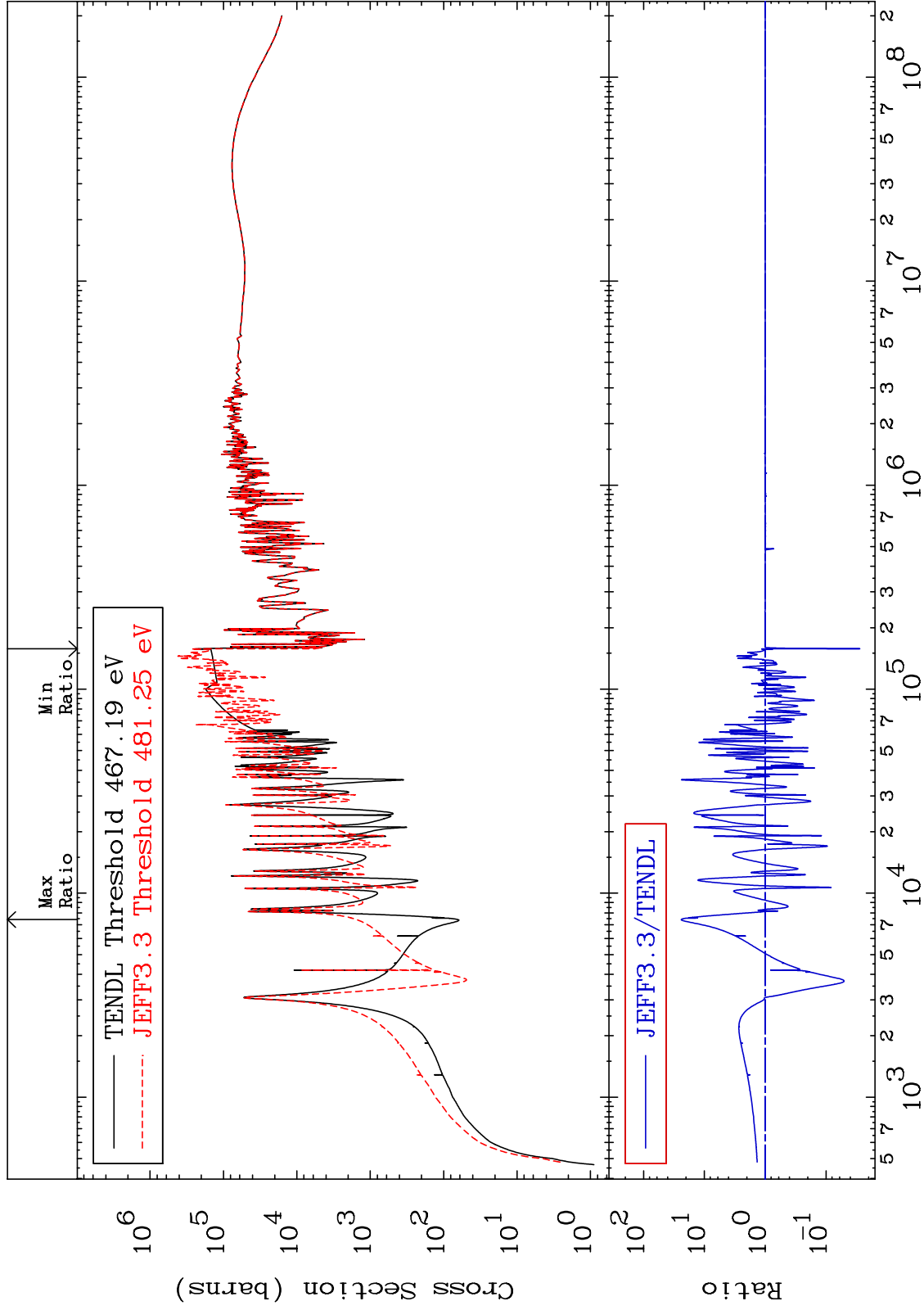
22-Ti-47
-97.20 To 2287. %



MAT 2228

Dpa elastic (mt2)
Cross Section

22-Ti-47
-97.20 To 2301. %

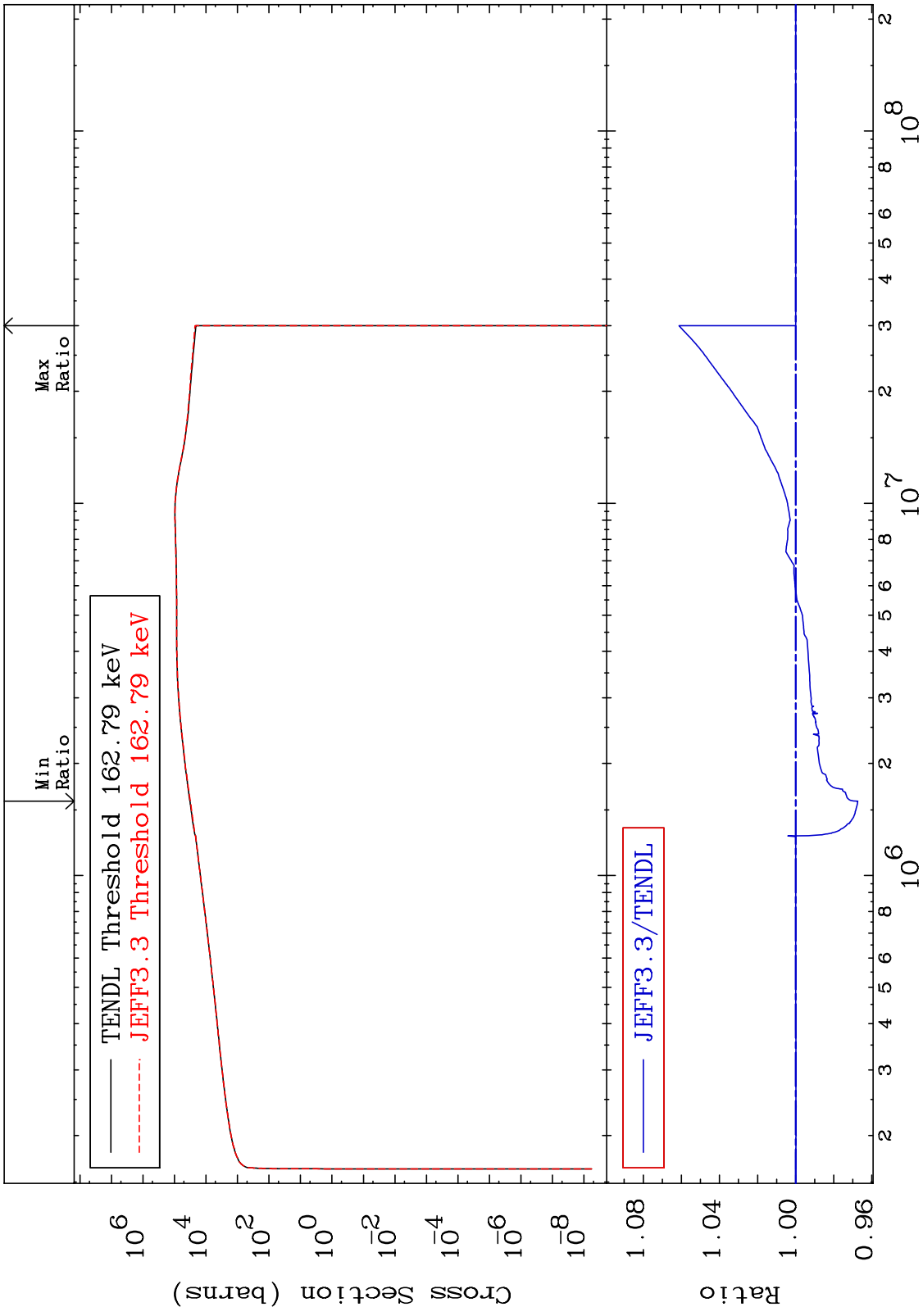


75

Incident Energy (eV)

22-Ti-47

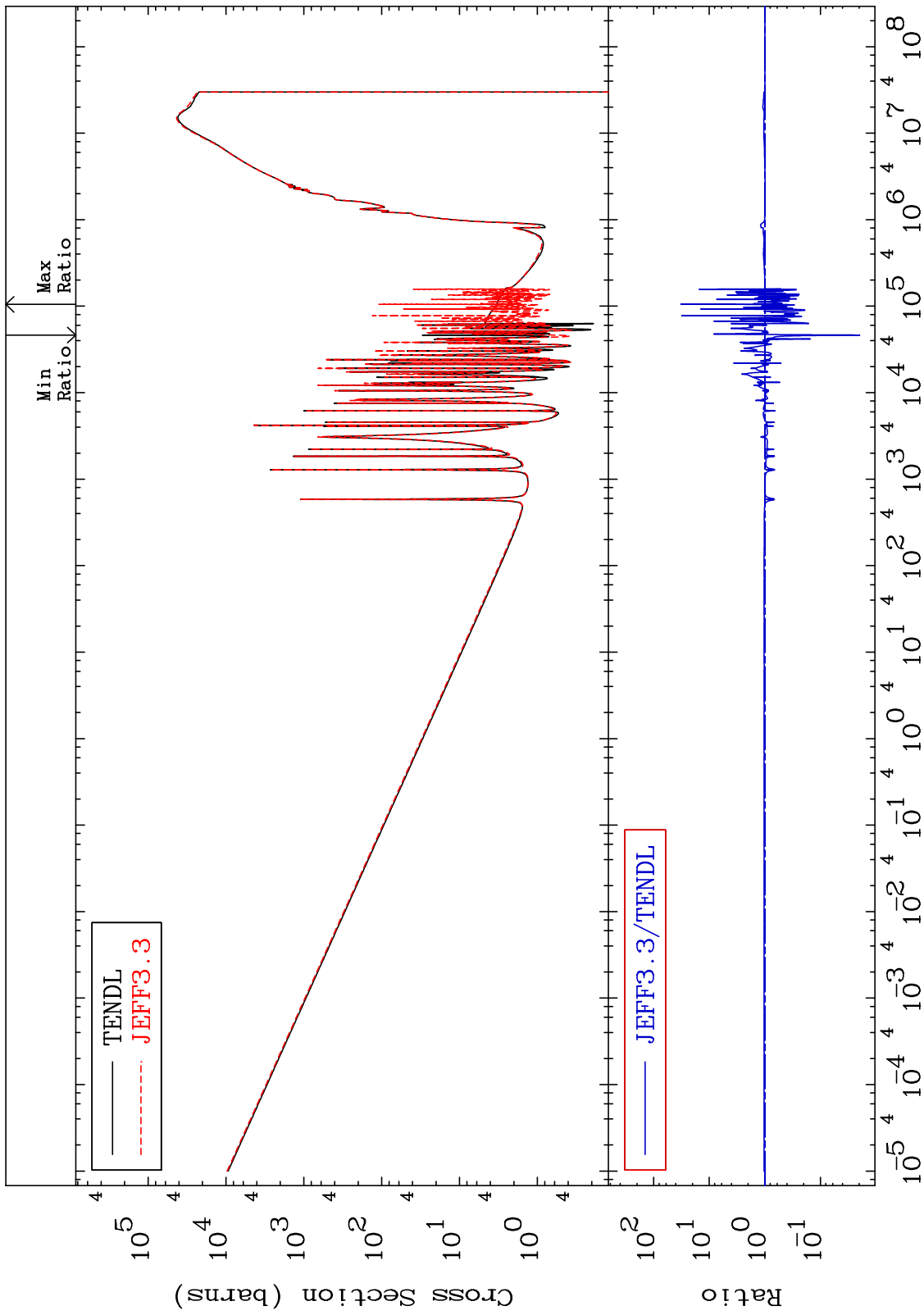
MAT 2228 Dpa inelastic (mt51-91) 22-Ti-47
 Cross Section -3.263 To 6.122 %



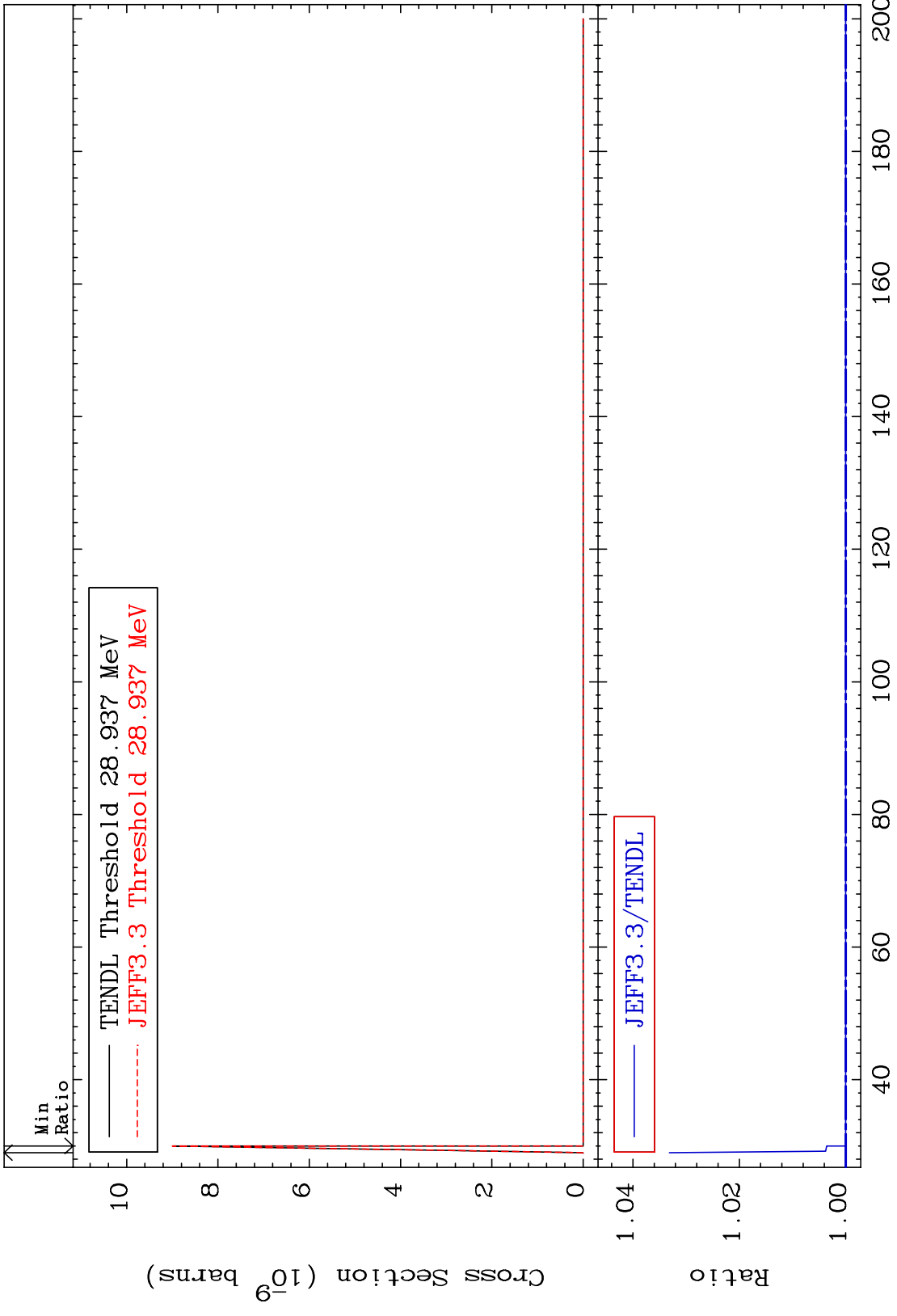
MAT 2228

Dpa disappearance (mt102 -120)
Cross Section

22-Ti-47
-98.03 To 3149. %



MAT 2228 (n,2n) d:21-Sc-44g 22-Ti-47
Radionuclide Production Cross Section 0.000 To 3.314 %

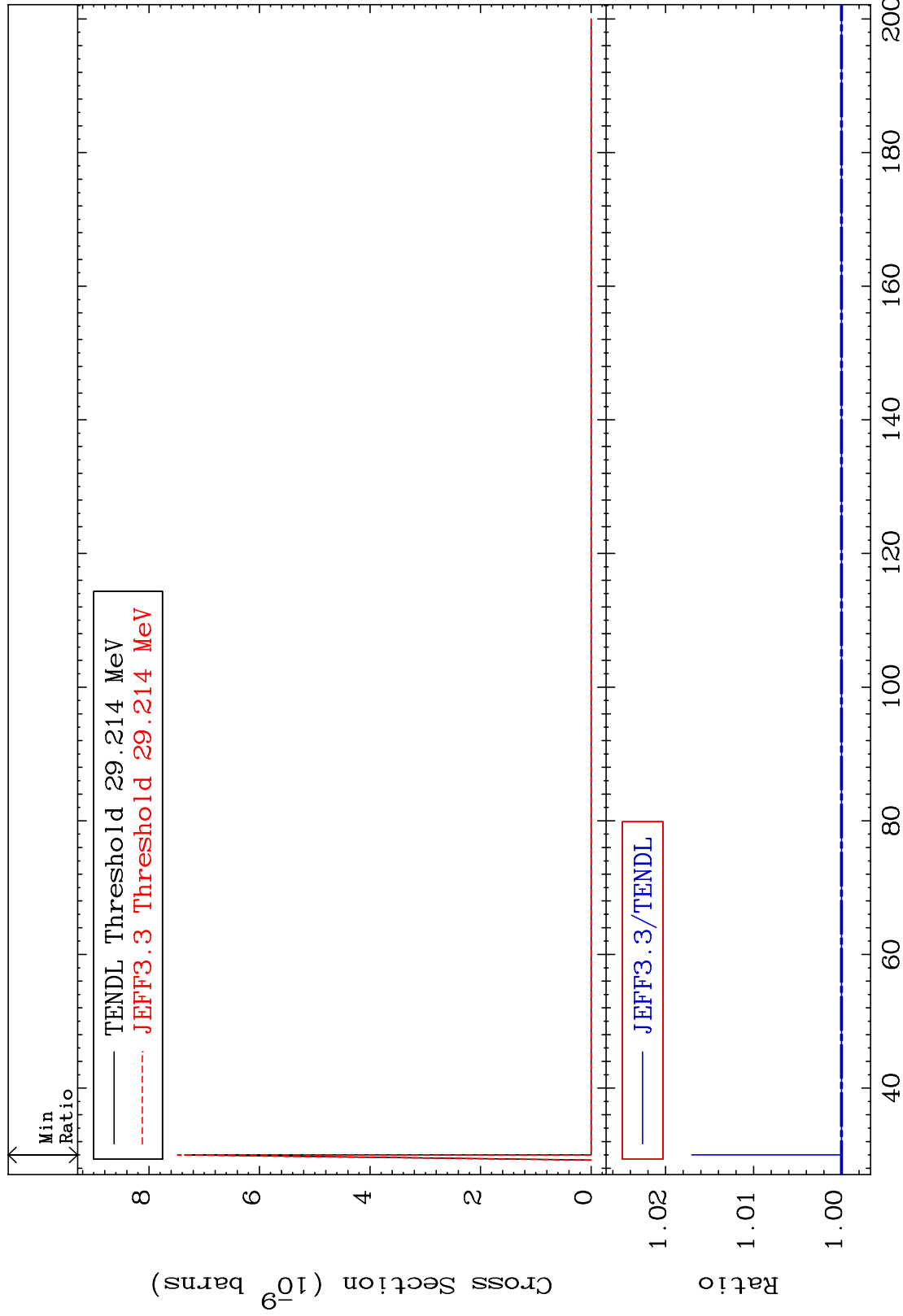


MAT 2228

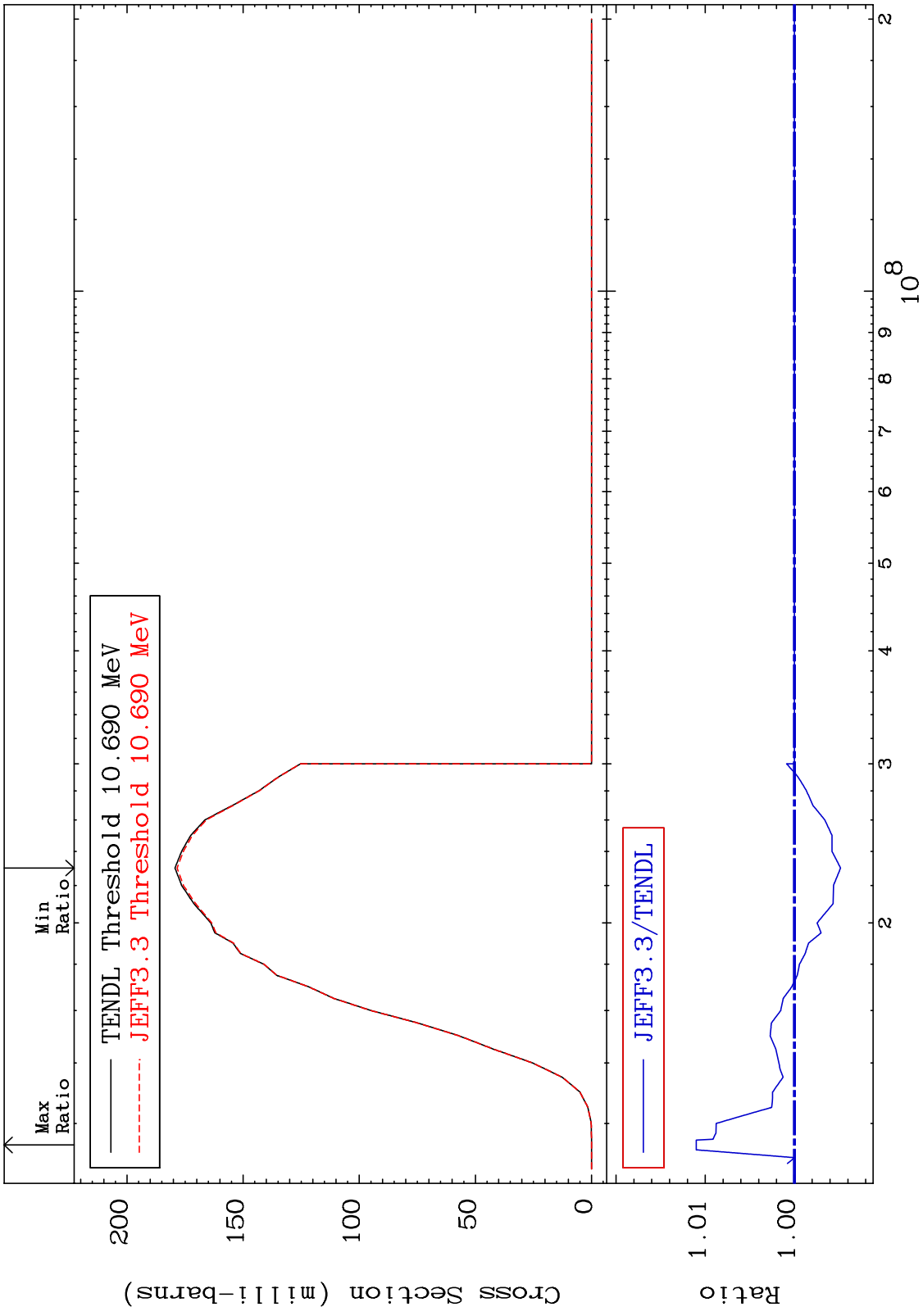
(n,2n) d:21-Sc-44m4

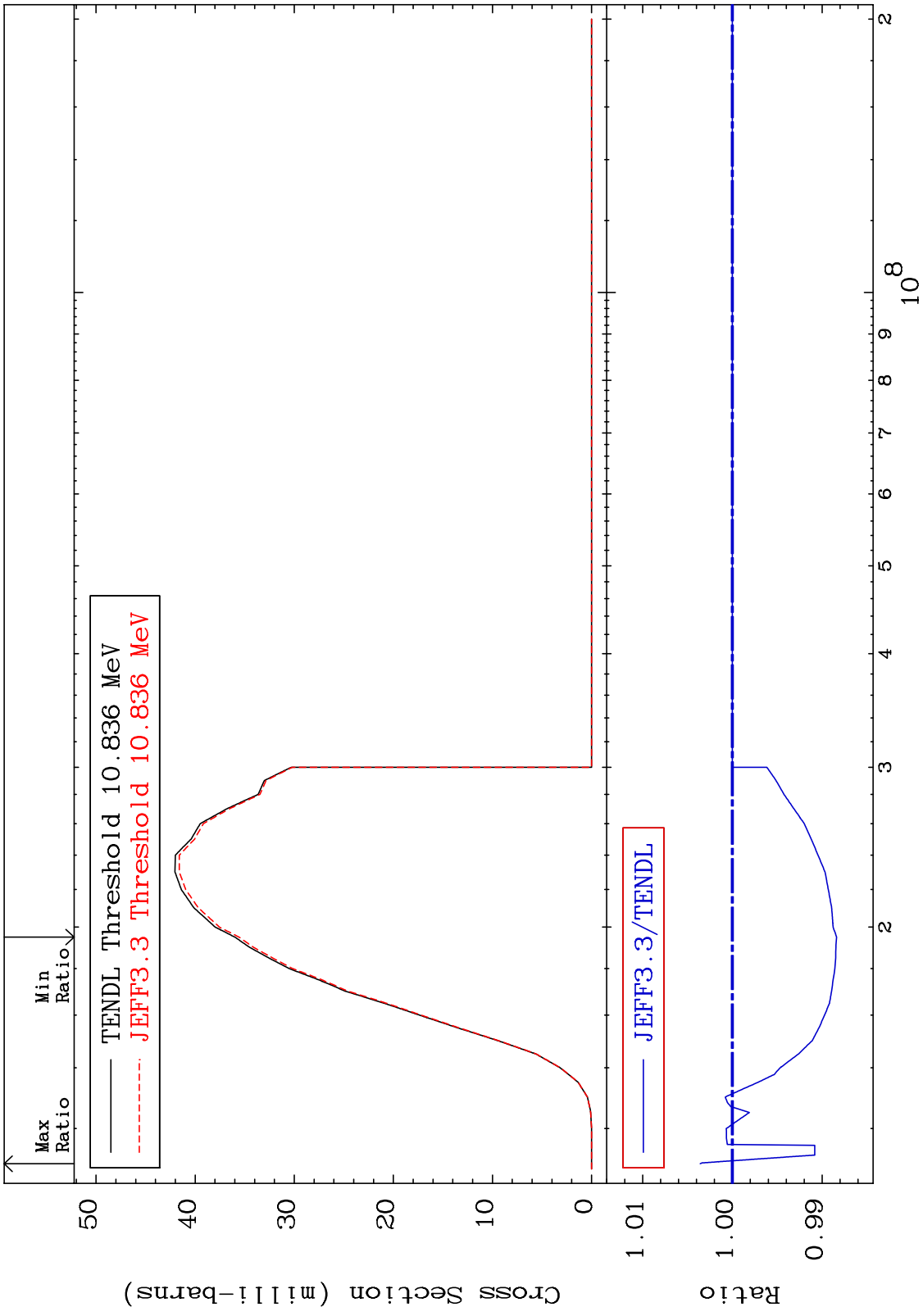
22-Ti-47

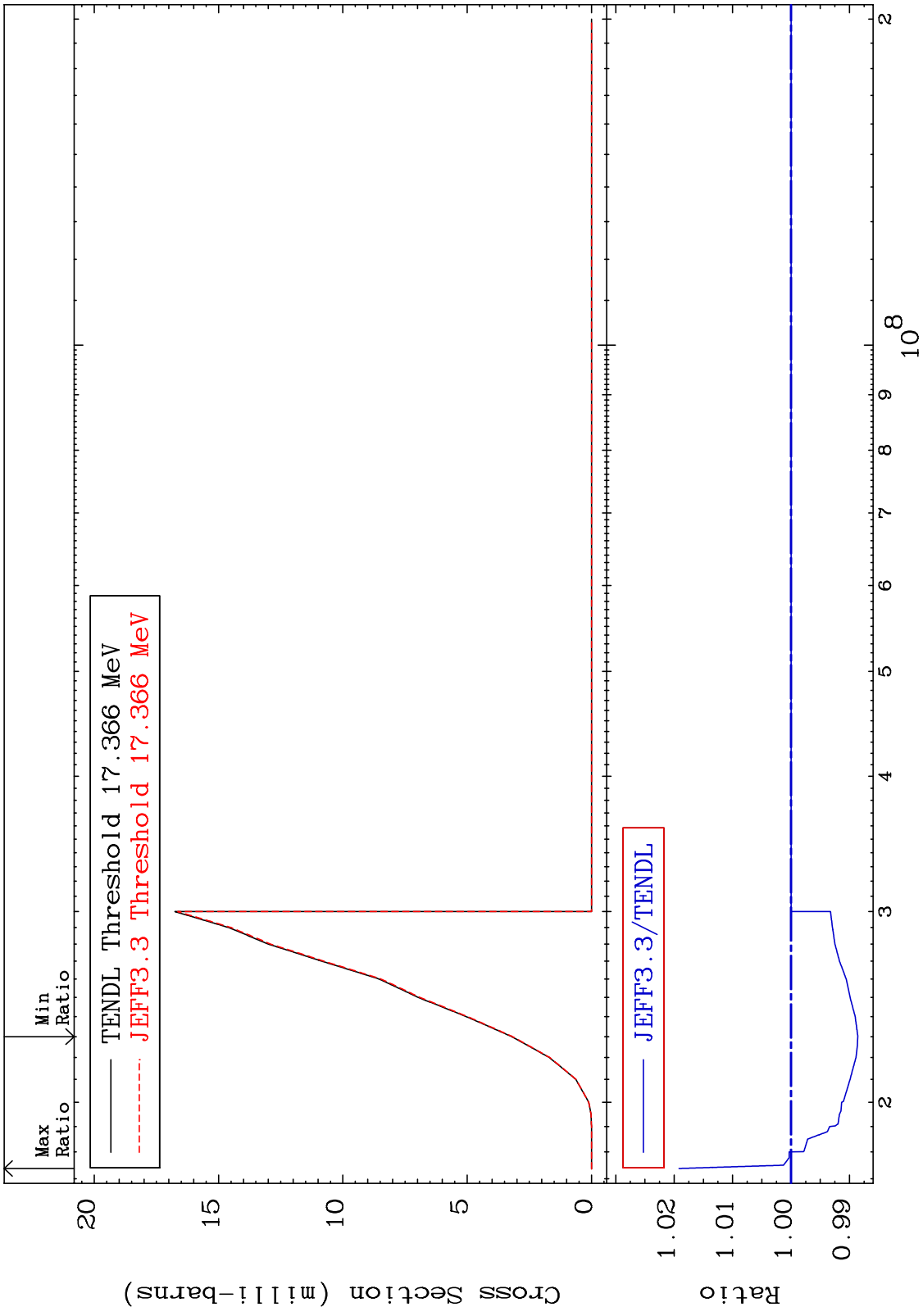
Radionuclide Production Cross Section 0.000 To 1.702 %



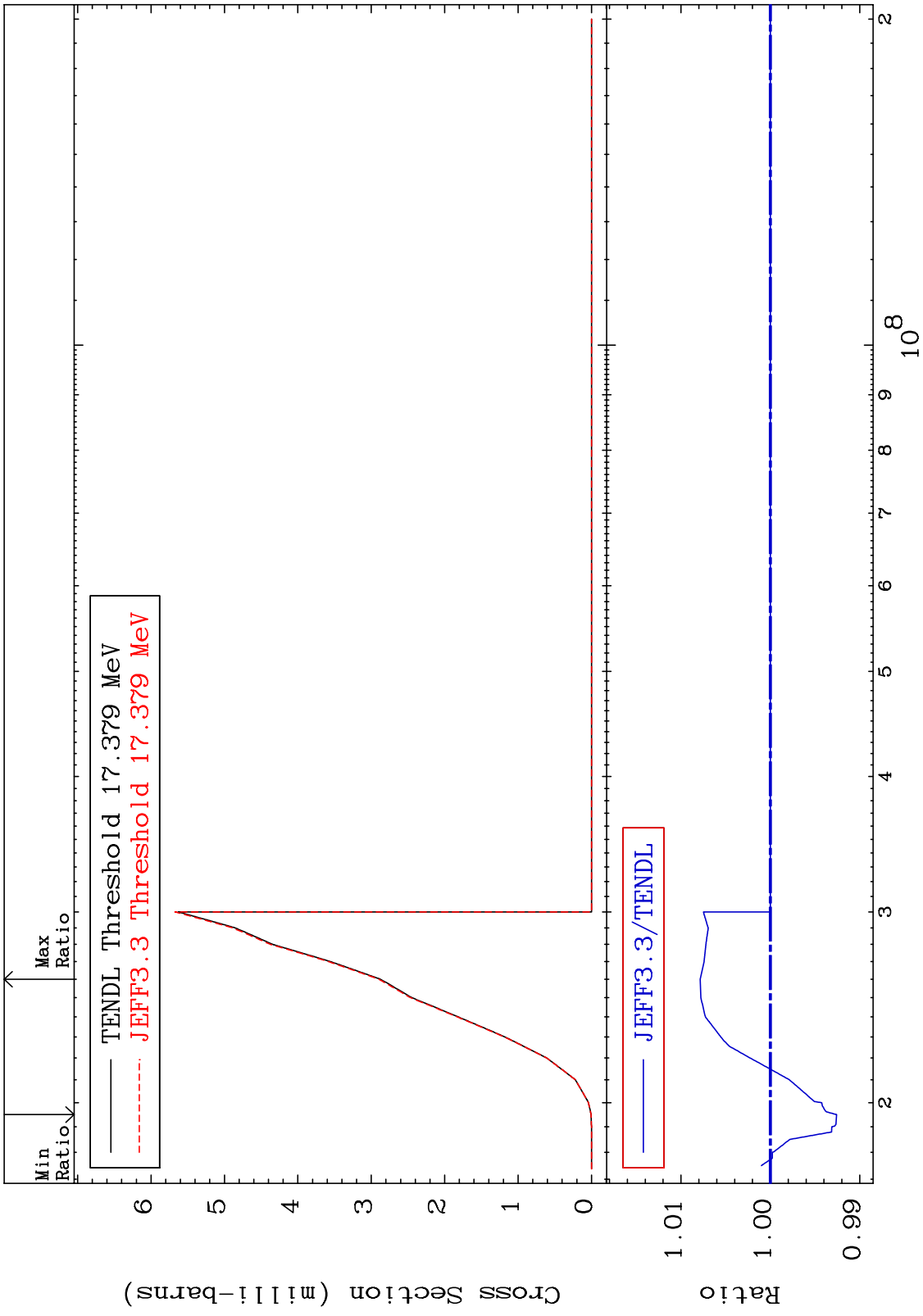
MAT 2228 (n, n') p:21-Sc-46g 22-Ti-47
 Radionuclide Production Cross Section -0.518 To 1.100 %





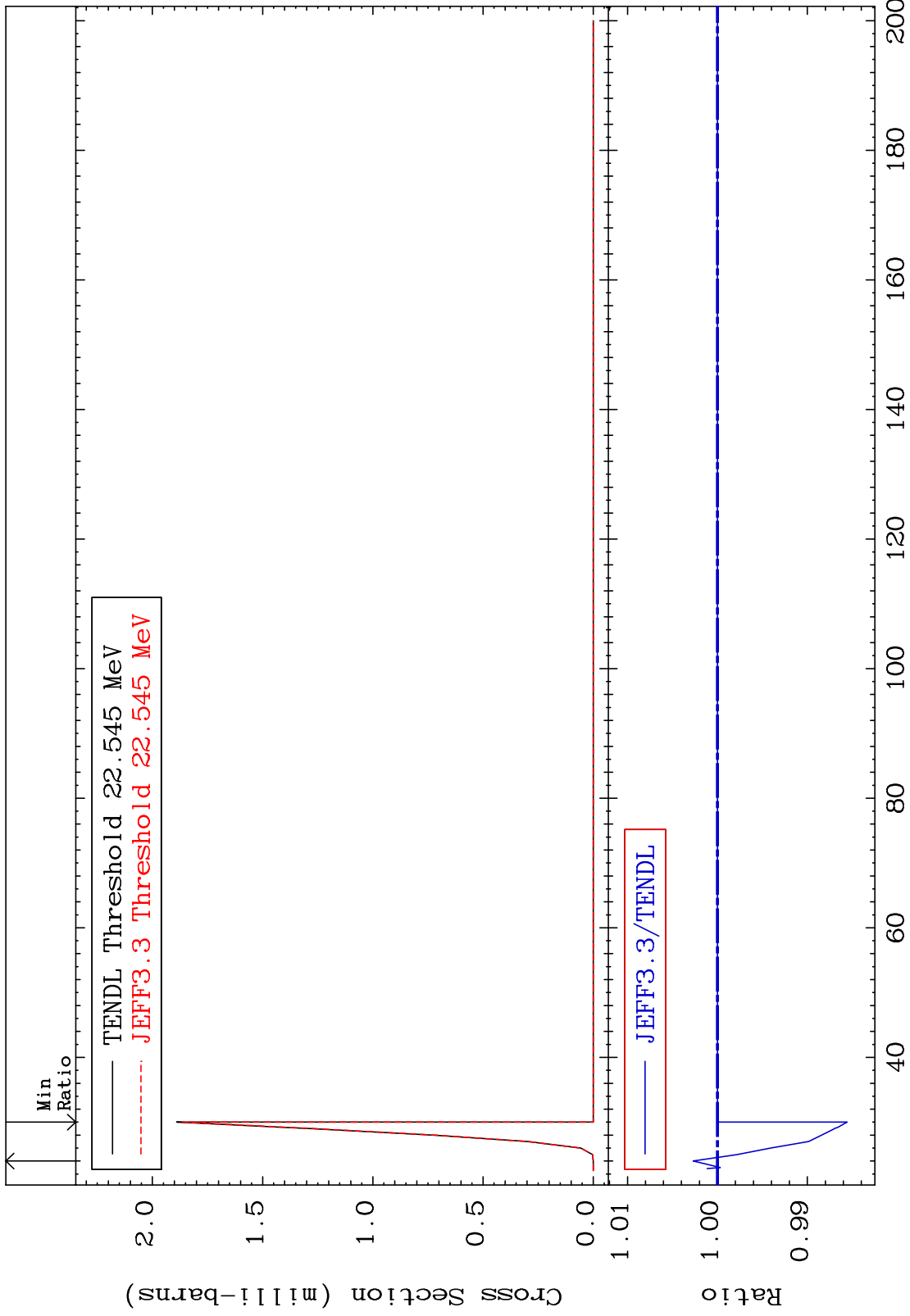


MAT 2228 (n, n') d:21-Sc-45m1 22-Ti-47
 Radionuclide Production Cross Section -0.741 To 0.784 %



MAT 2228

(n,n') t:21-Sc-44g 22-Ti-47
Radionuclide Production Cross Section -1.442 To 0.269 %

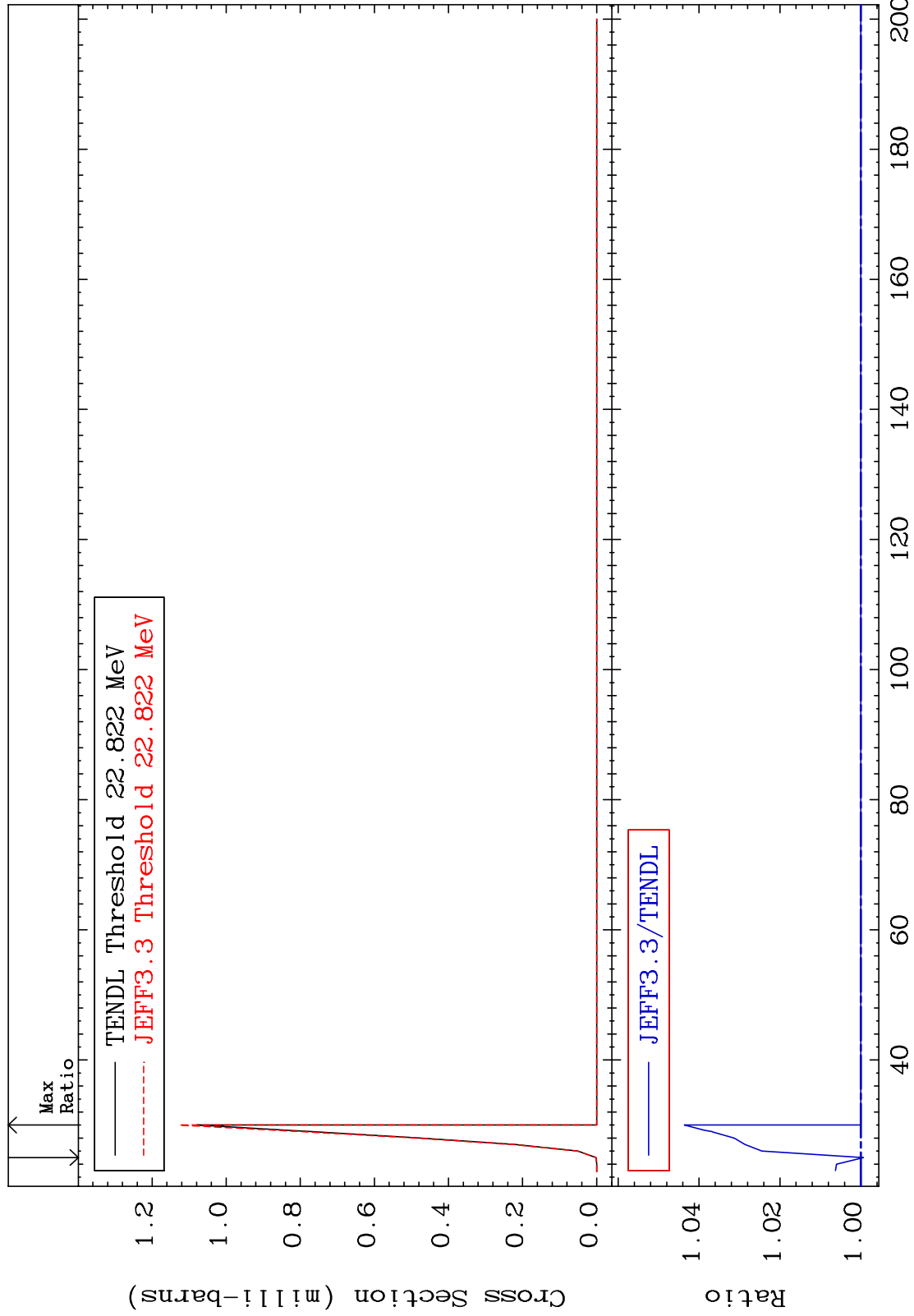


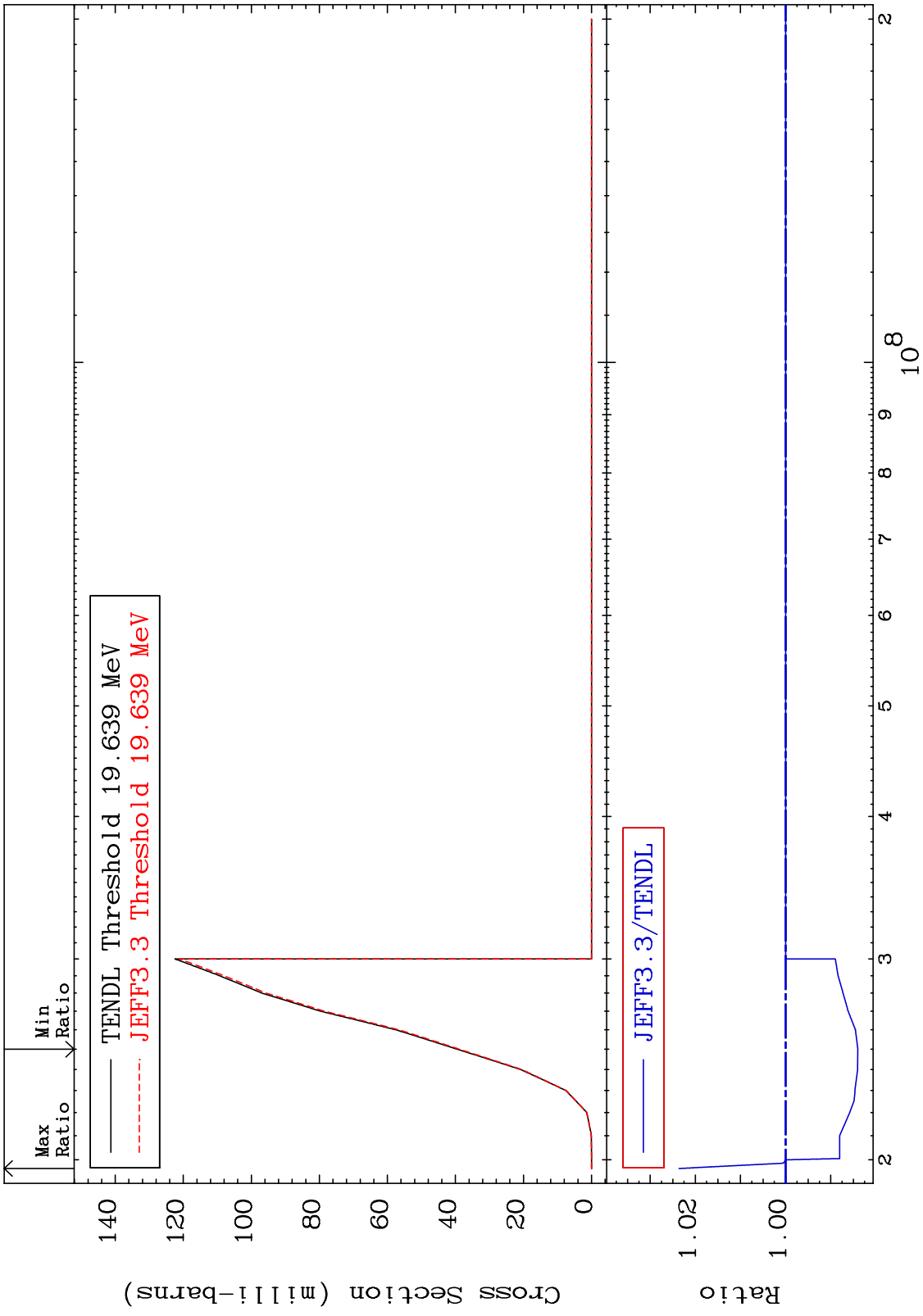
MAT 2228

(n,n') t:21-Sc-44m4

22-Ti-47

Radionuclide Production Cross Section -0.067 To 4.363 %



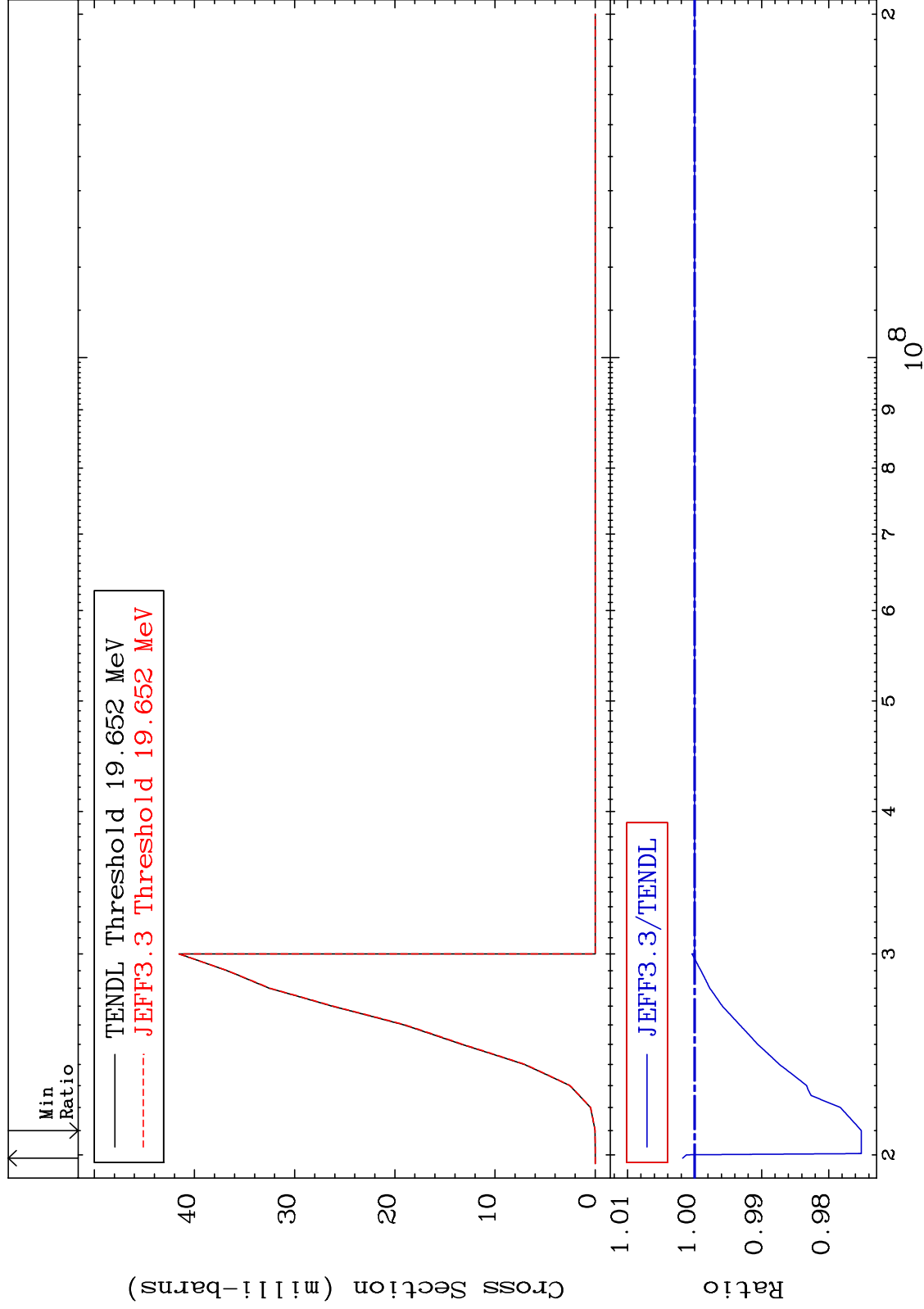


MAT 2228

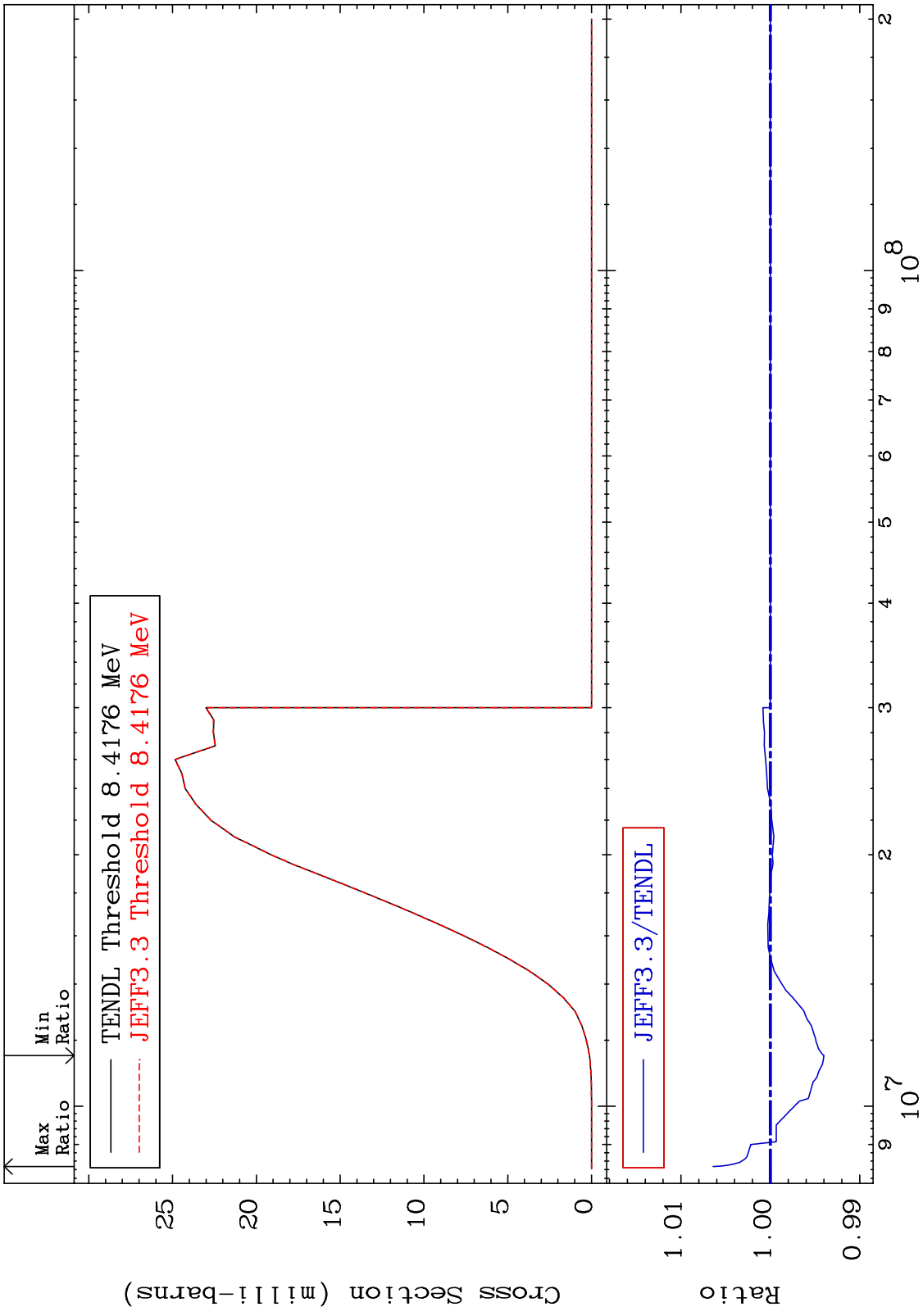
(n,2n) p:21-Sc-45m1

22-Ti-47

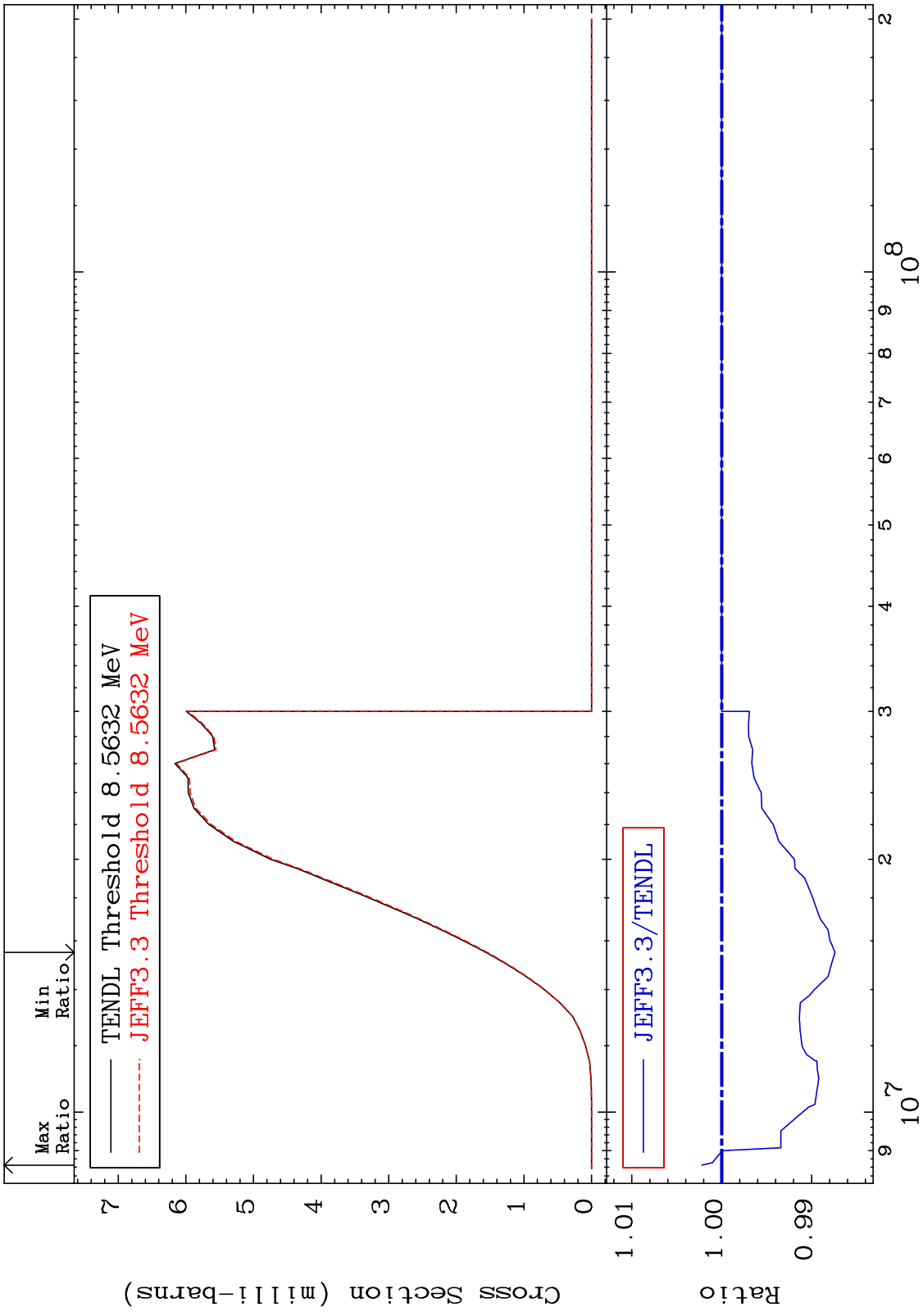
Radionuclide Production Cross Section -2.488 To 0.178 %



MAT 2228 (n,d):21-Sc-46g 22-Ti-47
 Radionuclide Production Cross Section -0.598 To 0.641 %



MAT 2228 (n,d):21-Sc-46m2 22-Ti-47
 Radionuclide Production Cross Section -1.261 To 0.221 %

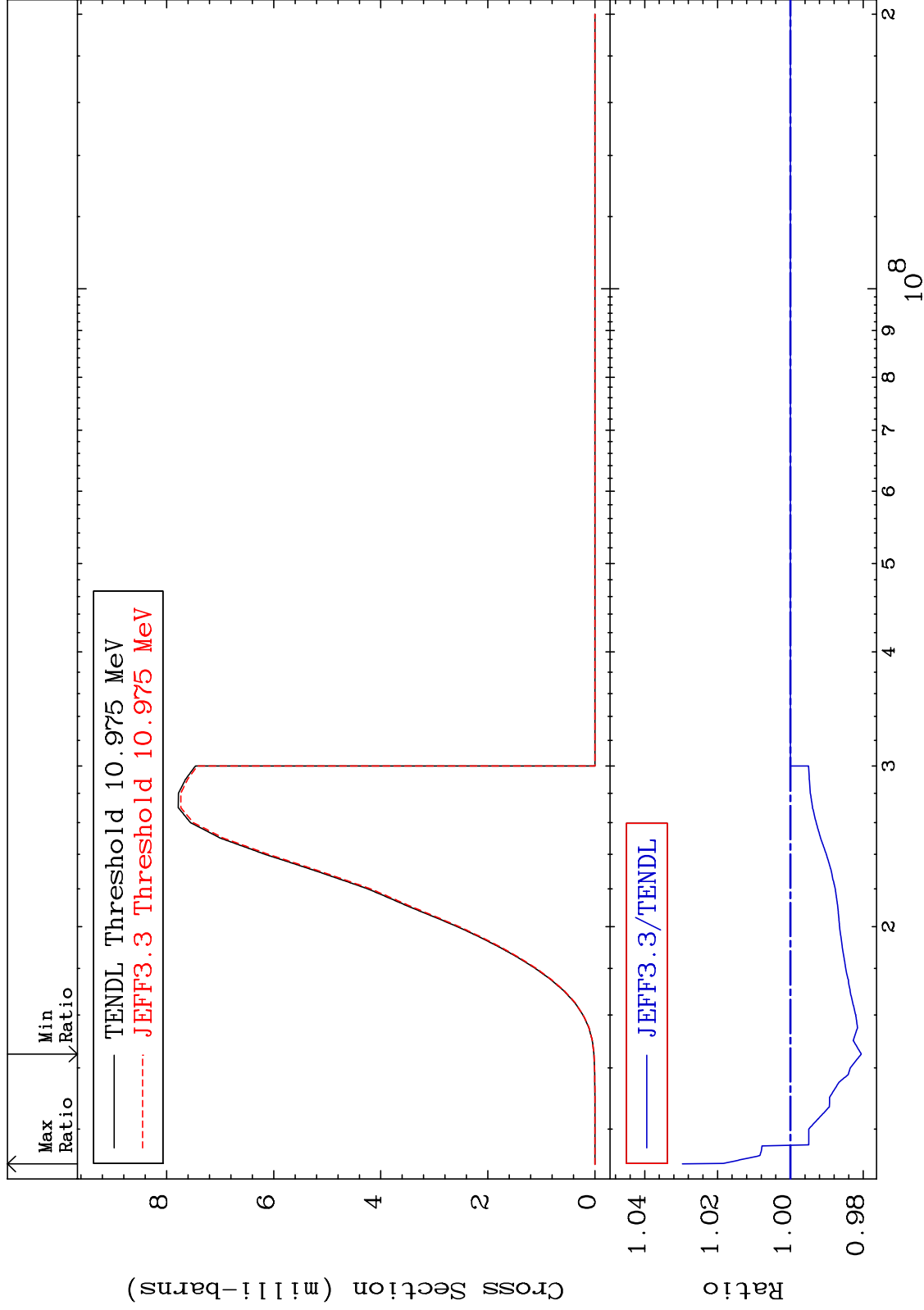


MAT 2228

(n,t):21-Sc-45g

22-Ti-47

Radionuclide Production Cross Section -1.946 To 2.963 %



MAT 2228

(n,t):21-Sc-45m1

22-Ti-47

Radionuclide Production Cross Section -1.172 To 7.878 %

