

Program Complot  
(Version 2018-1)

by

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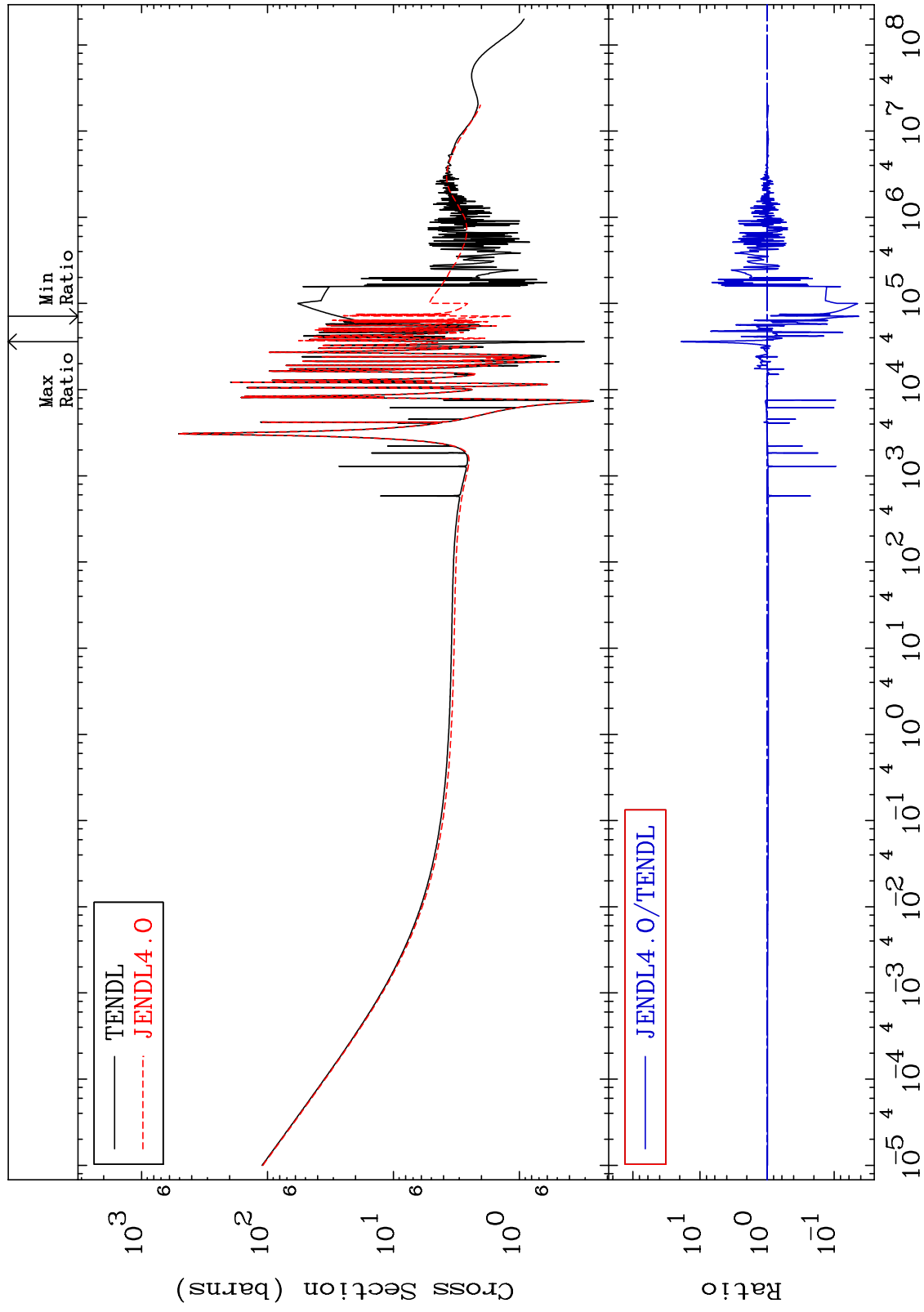
U.S.A.

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Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 2228 Total Cross Section 22-Ti-47 -95.76 To 1829. %

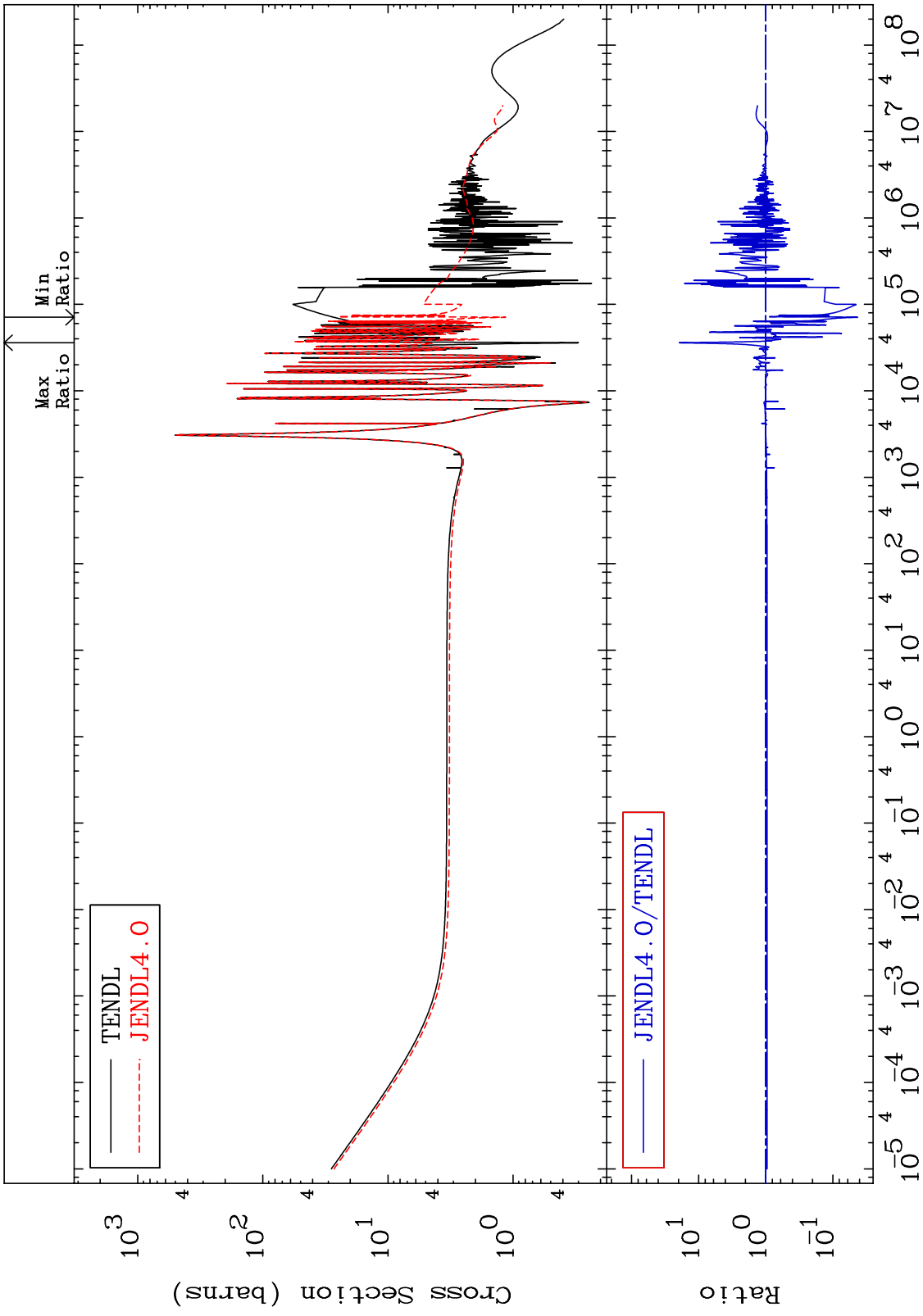


22-Ti-47

Incident Energy (eV)

1

MAT 2228 Elastic Cross Section 22-Ti-47 -95.77 To 1861. %

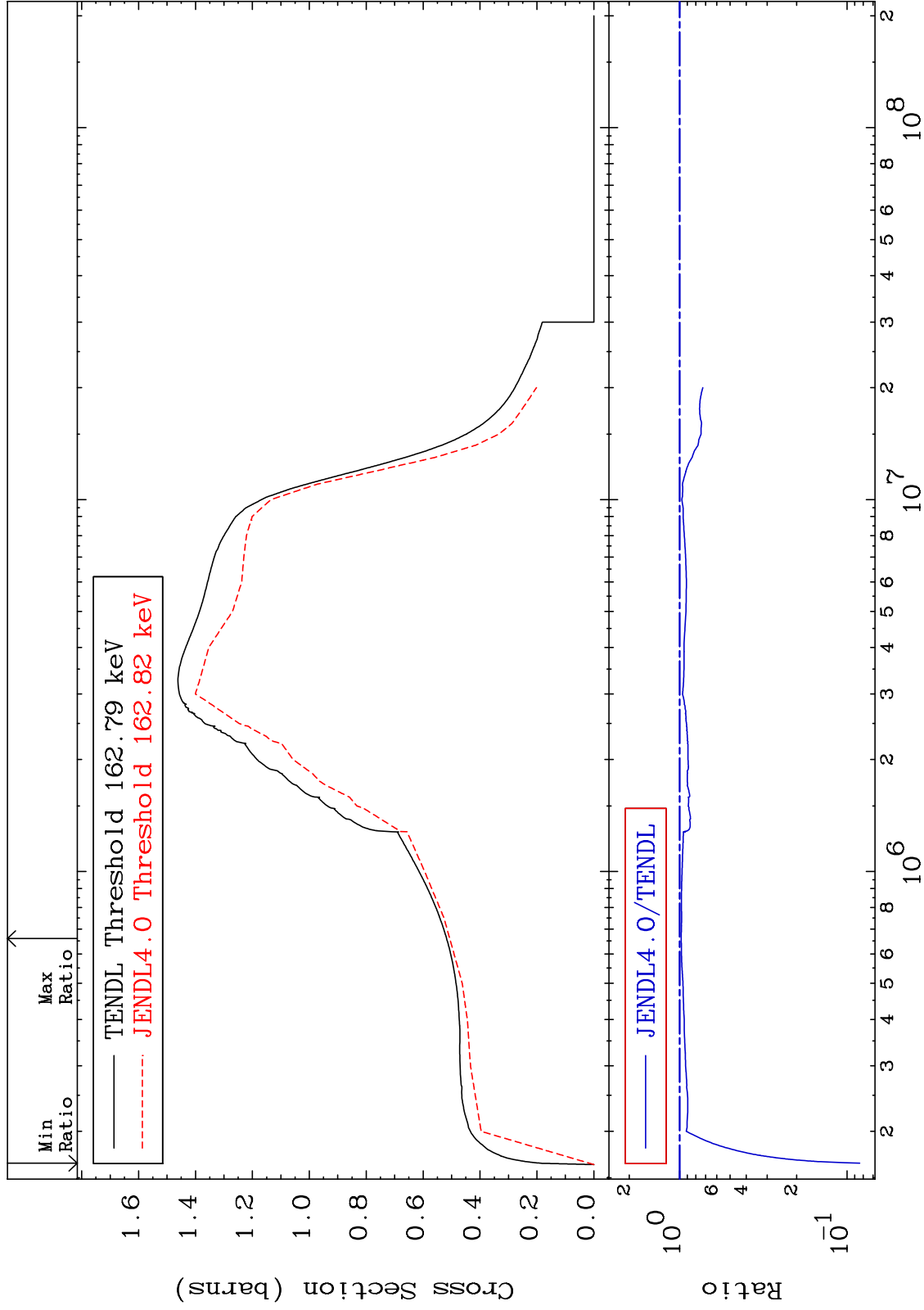


2 22-Ti-47

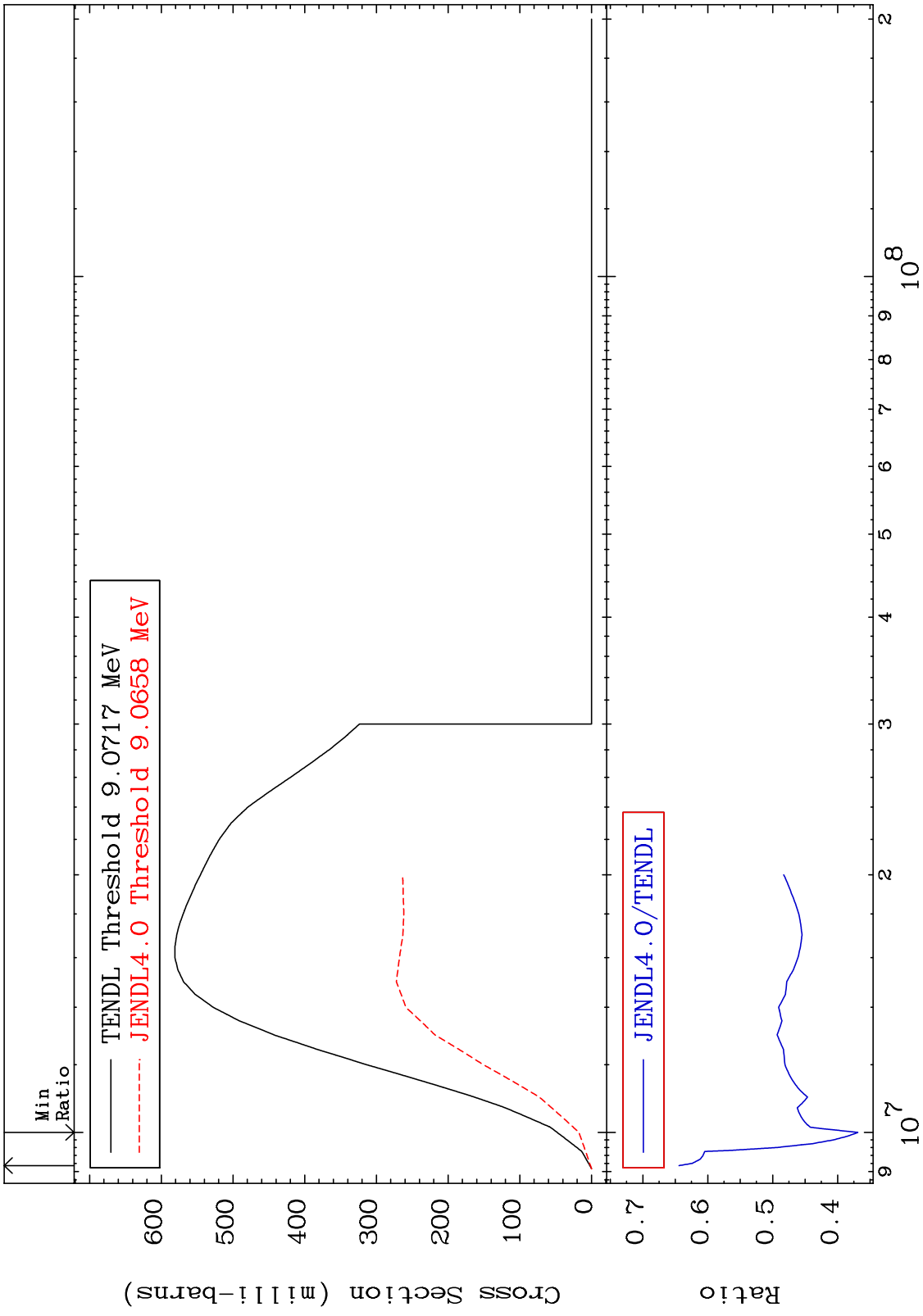
MAT 2228

Inelastic  
Cross Section

22-Ti-47  
-91.61 To -2.113%

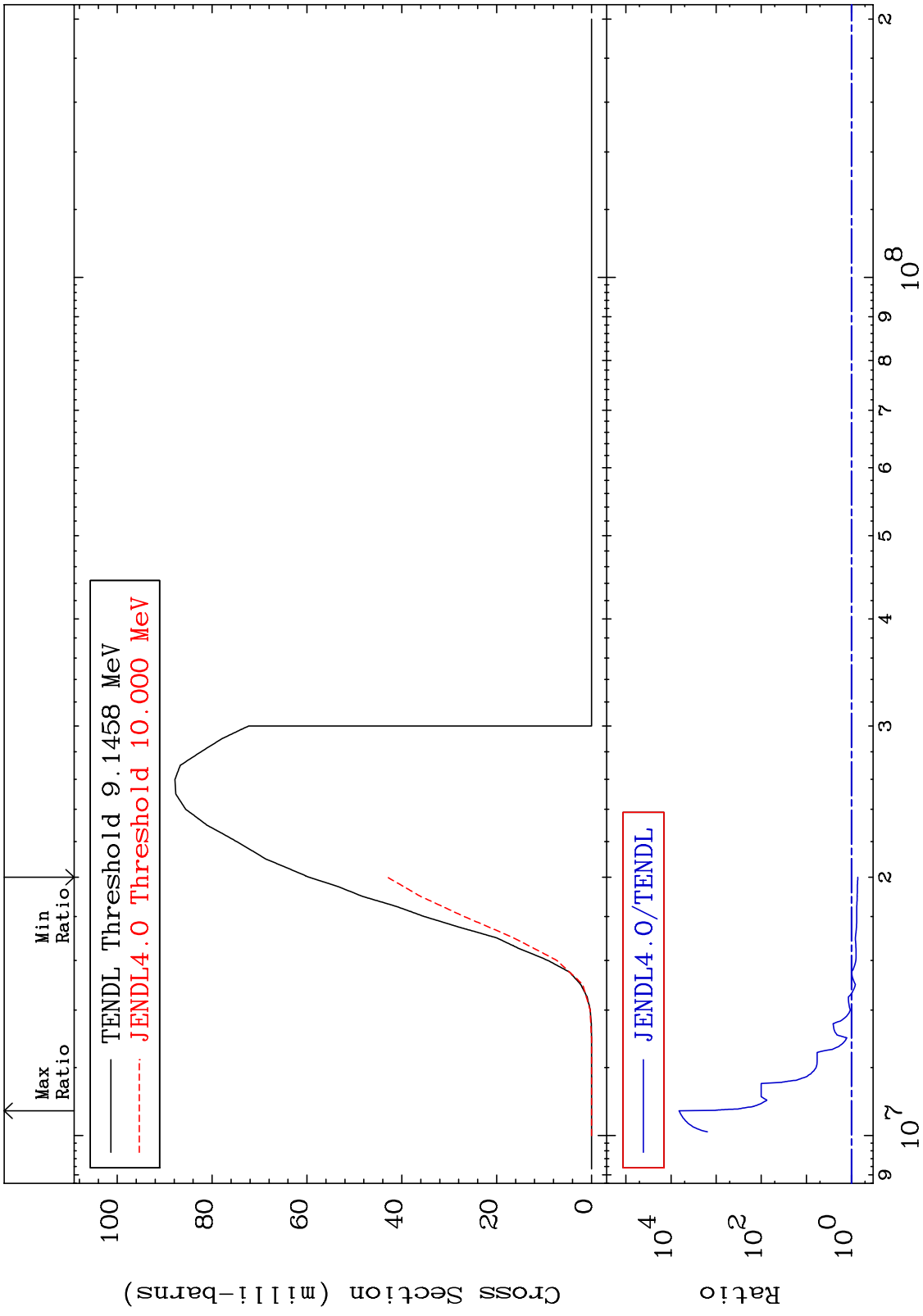


MAT 2228 (n,2n) Cross Section 22-Ti-47 -63.12 To -35.58%



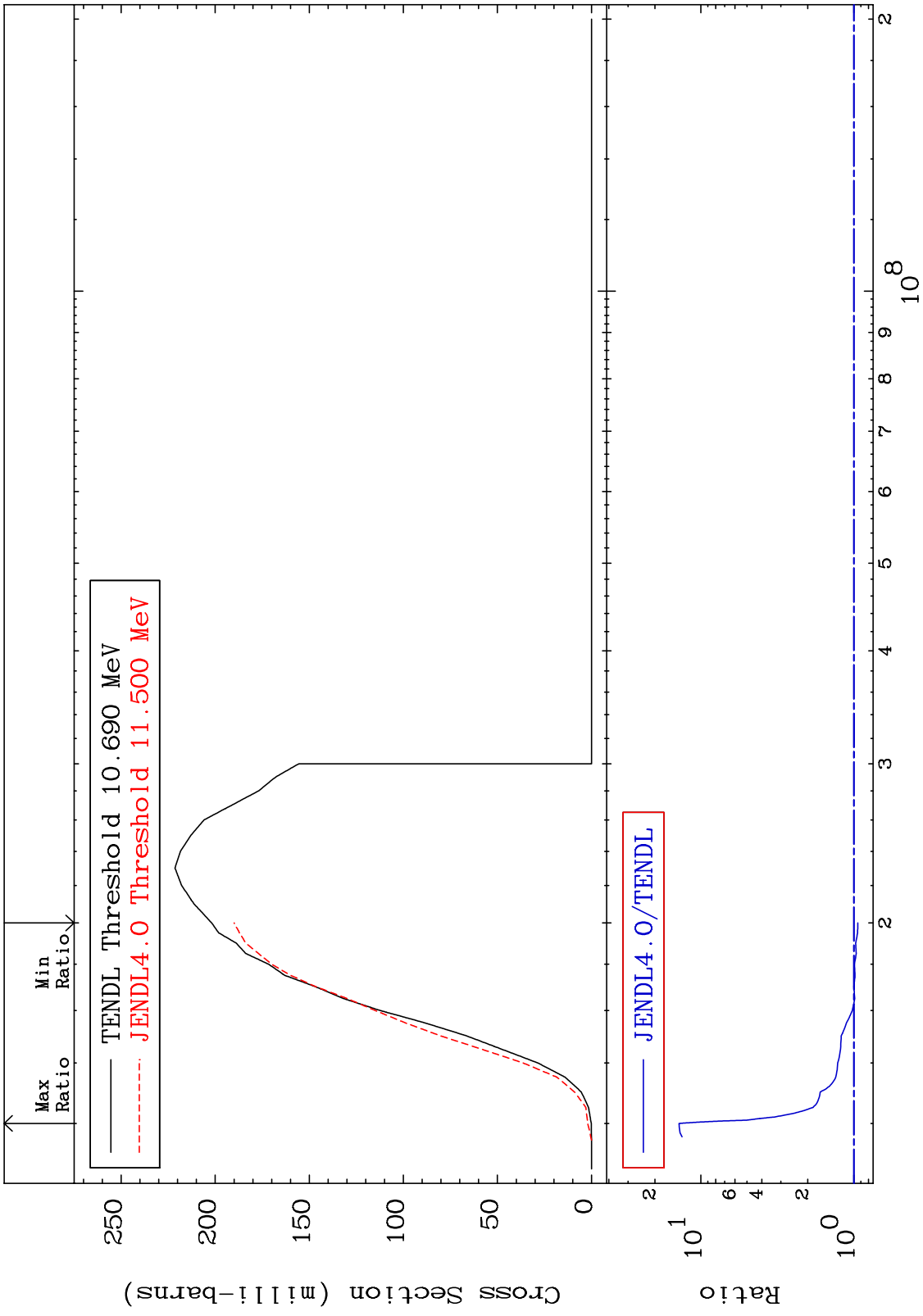
4 22-Ti-47

MAT 2228  $(n, n') \alpha$  22-Ti-47  
 Cross Section -27.74 To 9999. %

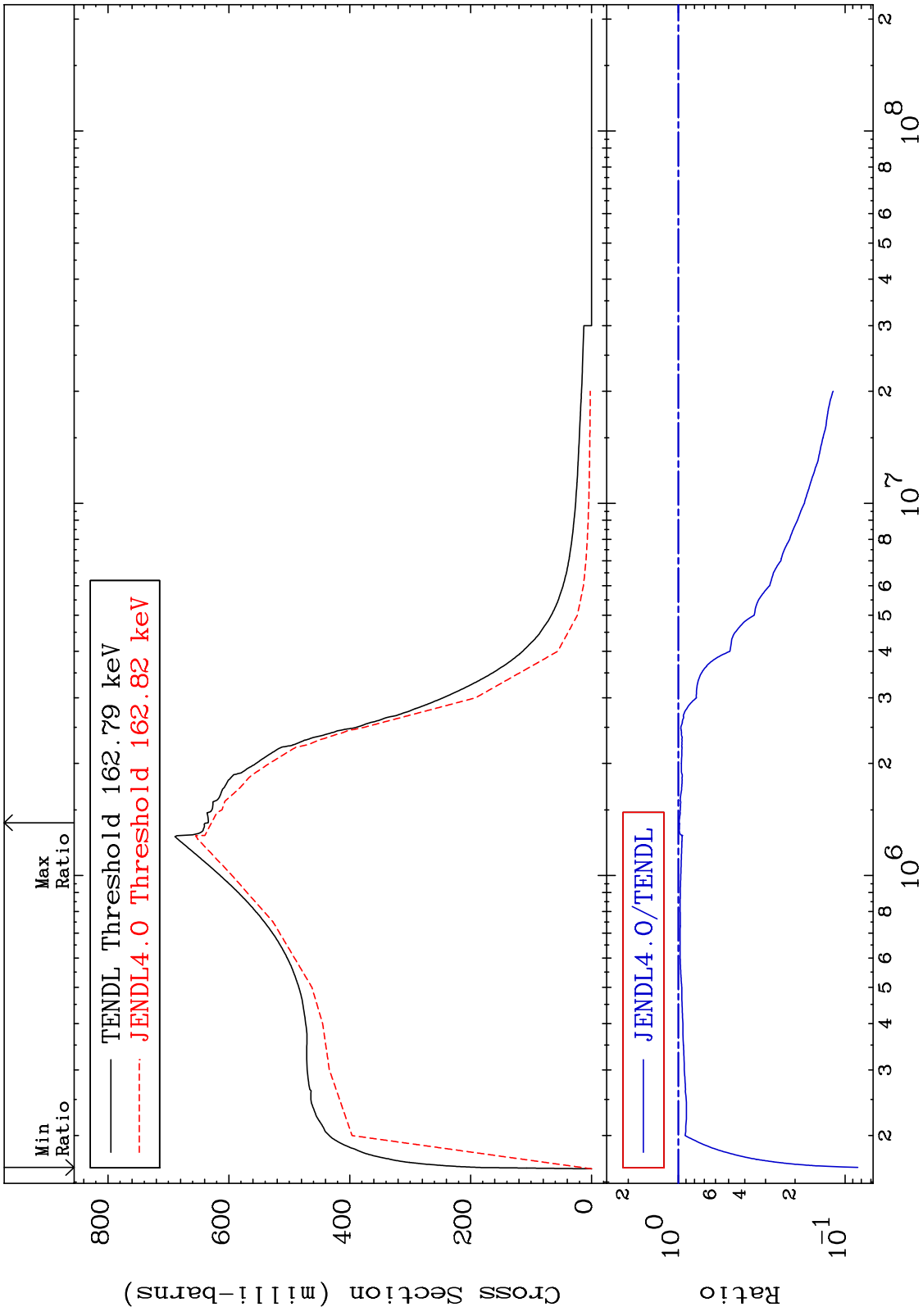


Incident Energy (eV) 22-Ti-47

MAT 2228 (n,n') p 22-Ti-47  
 Cross Section -5.911 To 1291. %

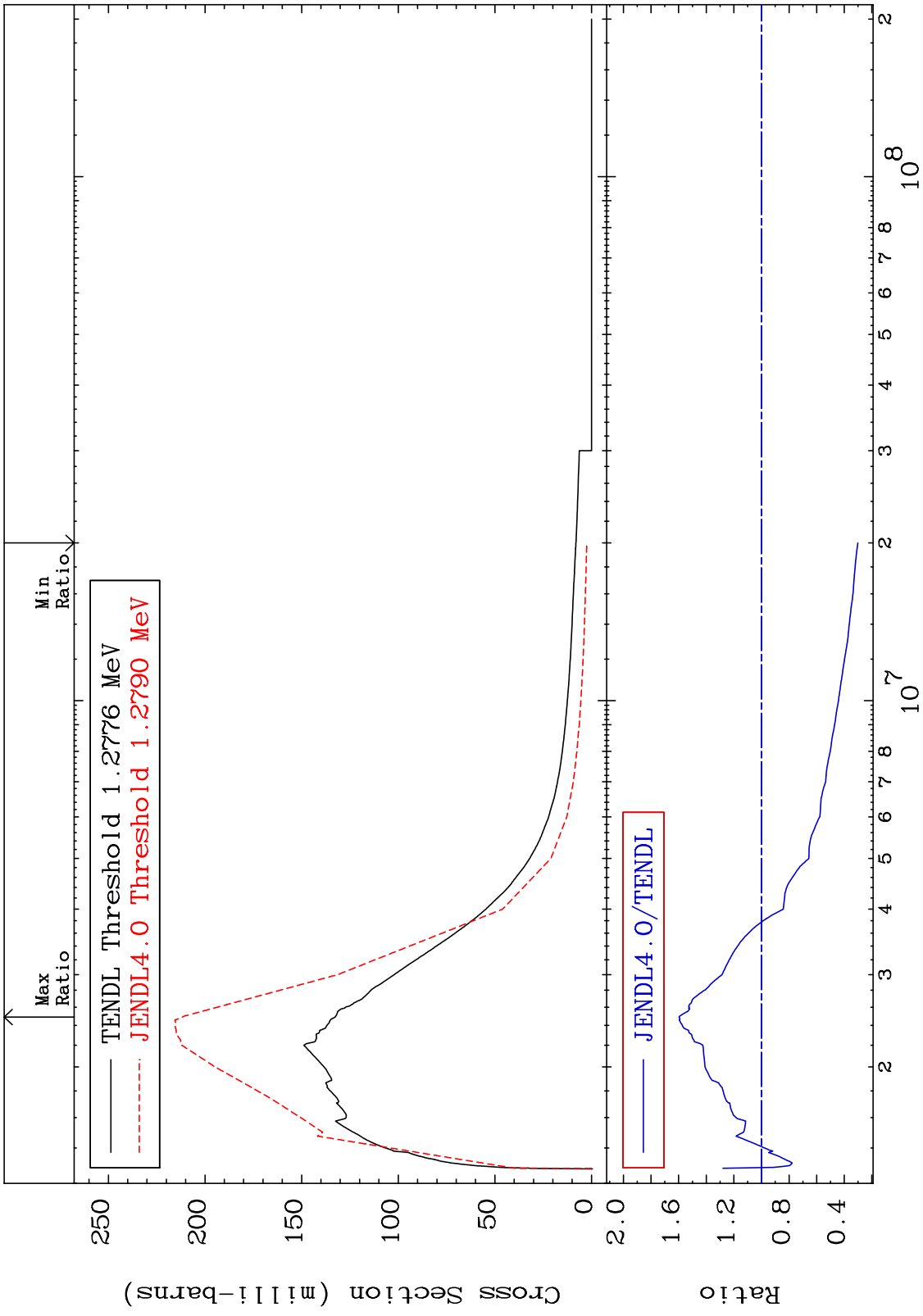


MAT 2228 MT= 51 (n,n') Level Cross Section -91.61 To -0.859% 22-Ti-47

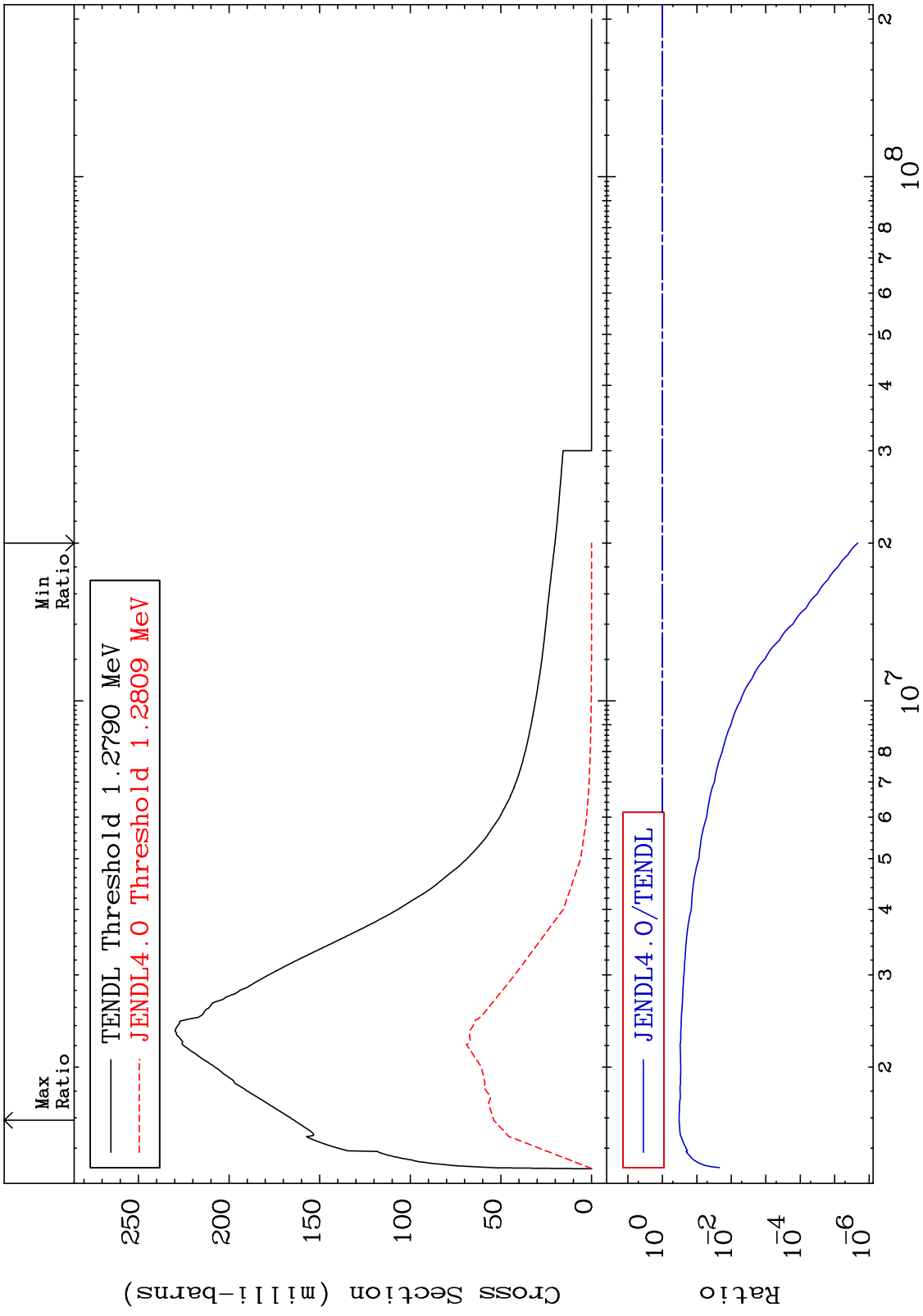




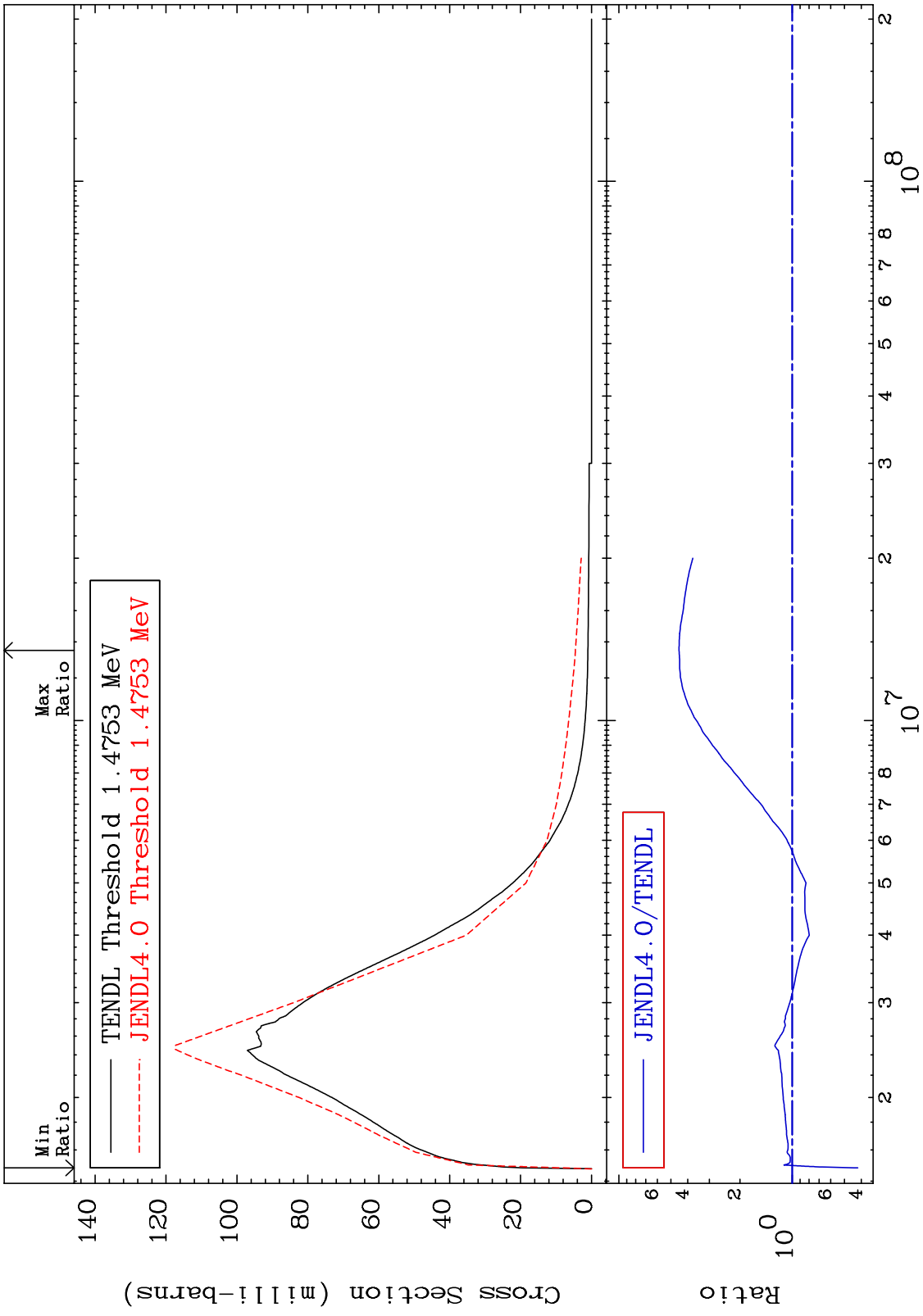
MAT 2228 MT= 52 (n,n') Level Cross Section -69.85 To 59.71 % 22-Ti-47



MAT 2228 MT= 53 (n,n') Level Cross Section -100.0 To -67.12% 22-Ti-47

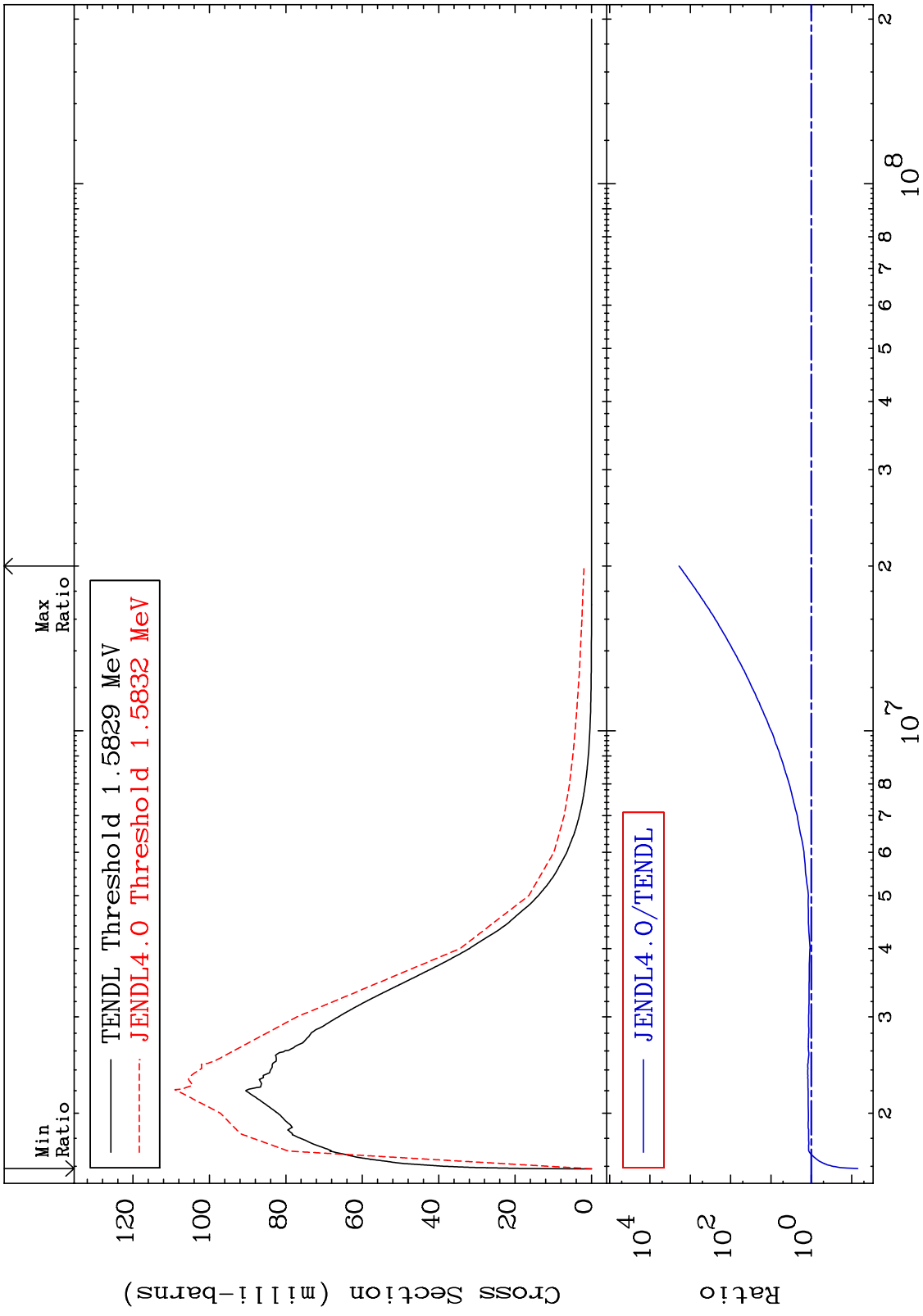


MAT 2228 MT= 54 (n,n') Level Cross Section -58.16 To 349.3 % 22-Ti-47

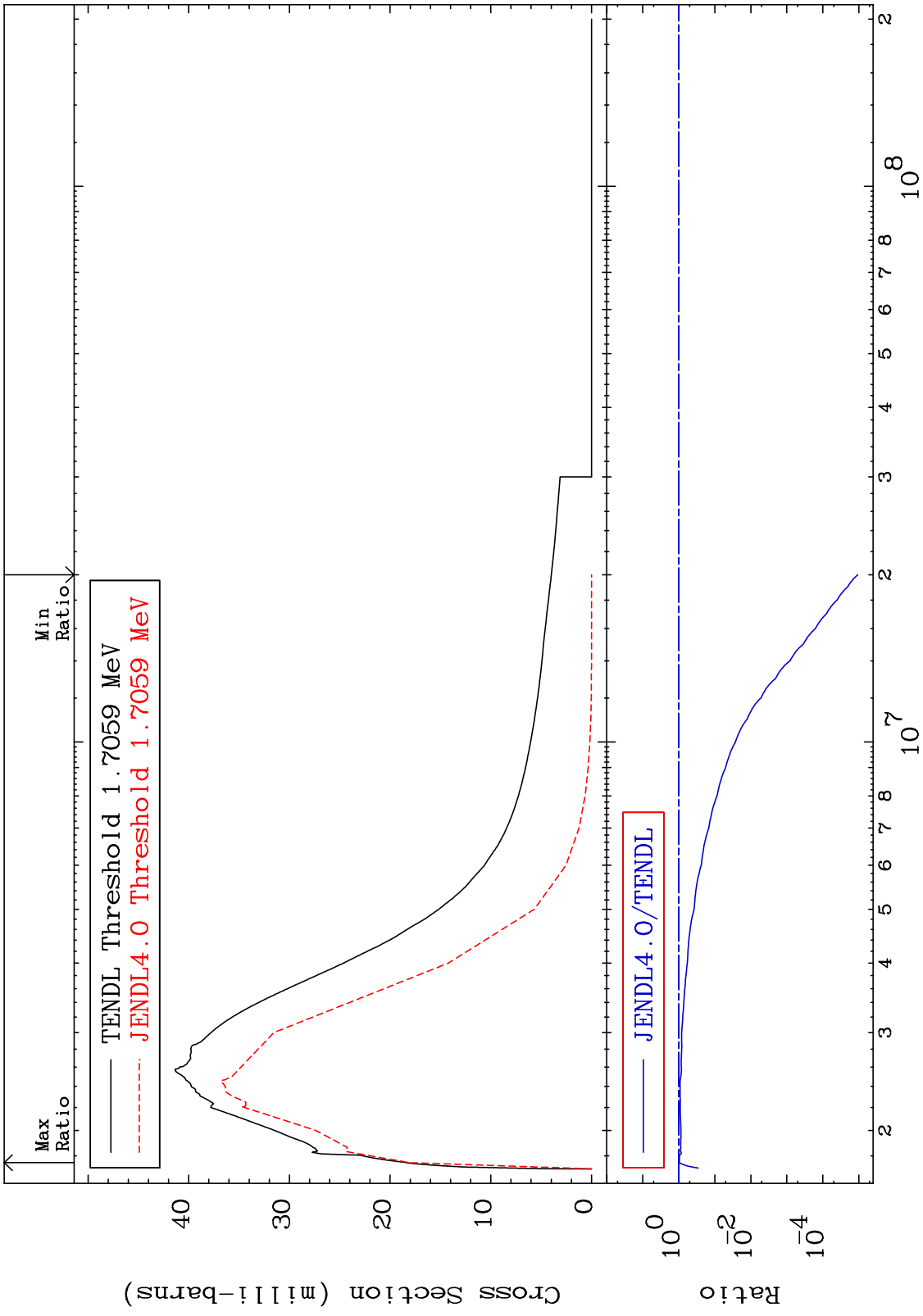


10 Incident Energy (eV) 22-Ti-47

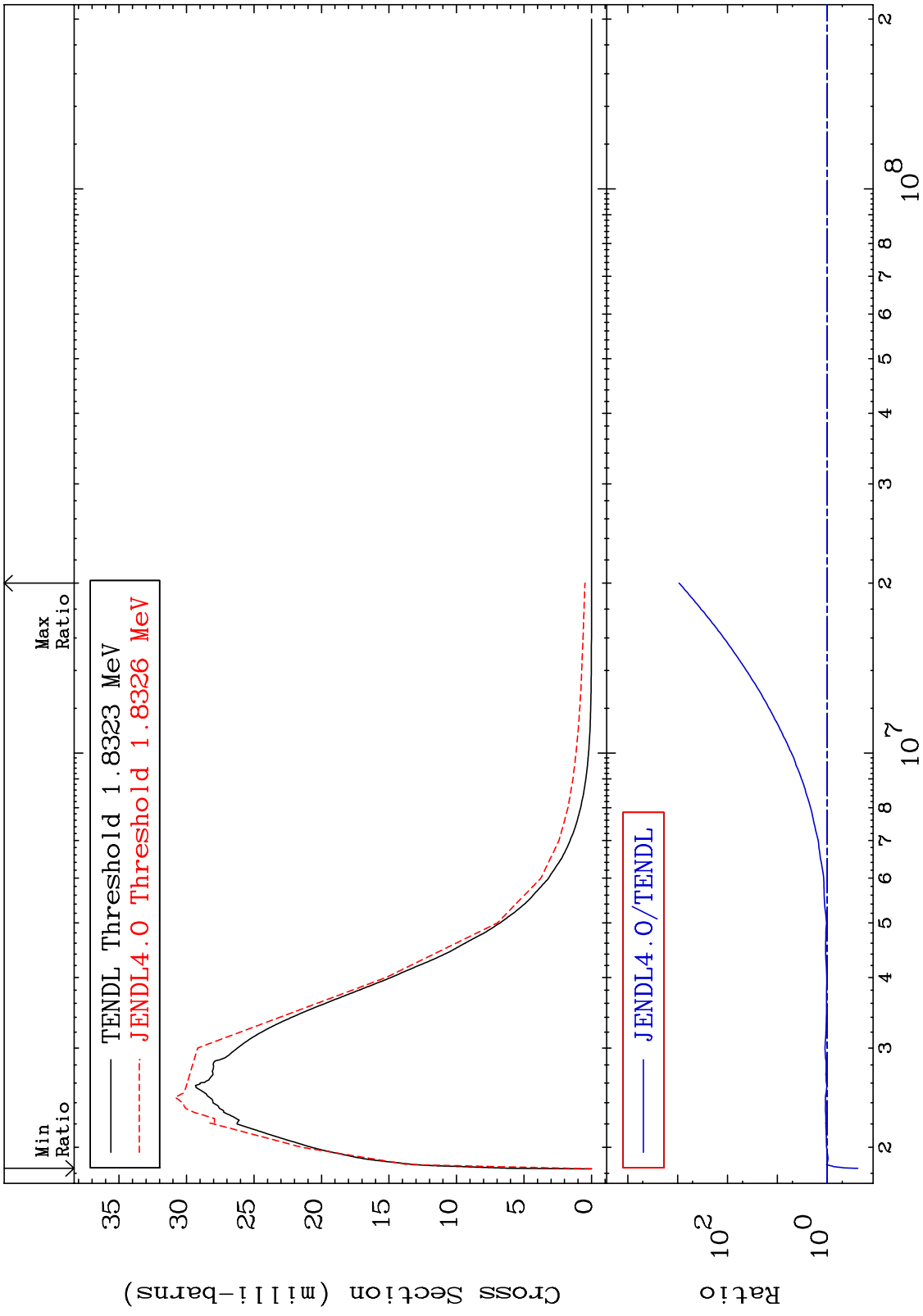
MAT 2228 MT= 55 (n,n') Level Cross Section -92.97 To 9999. % 22-Ti-47



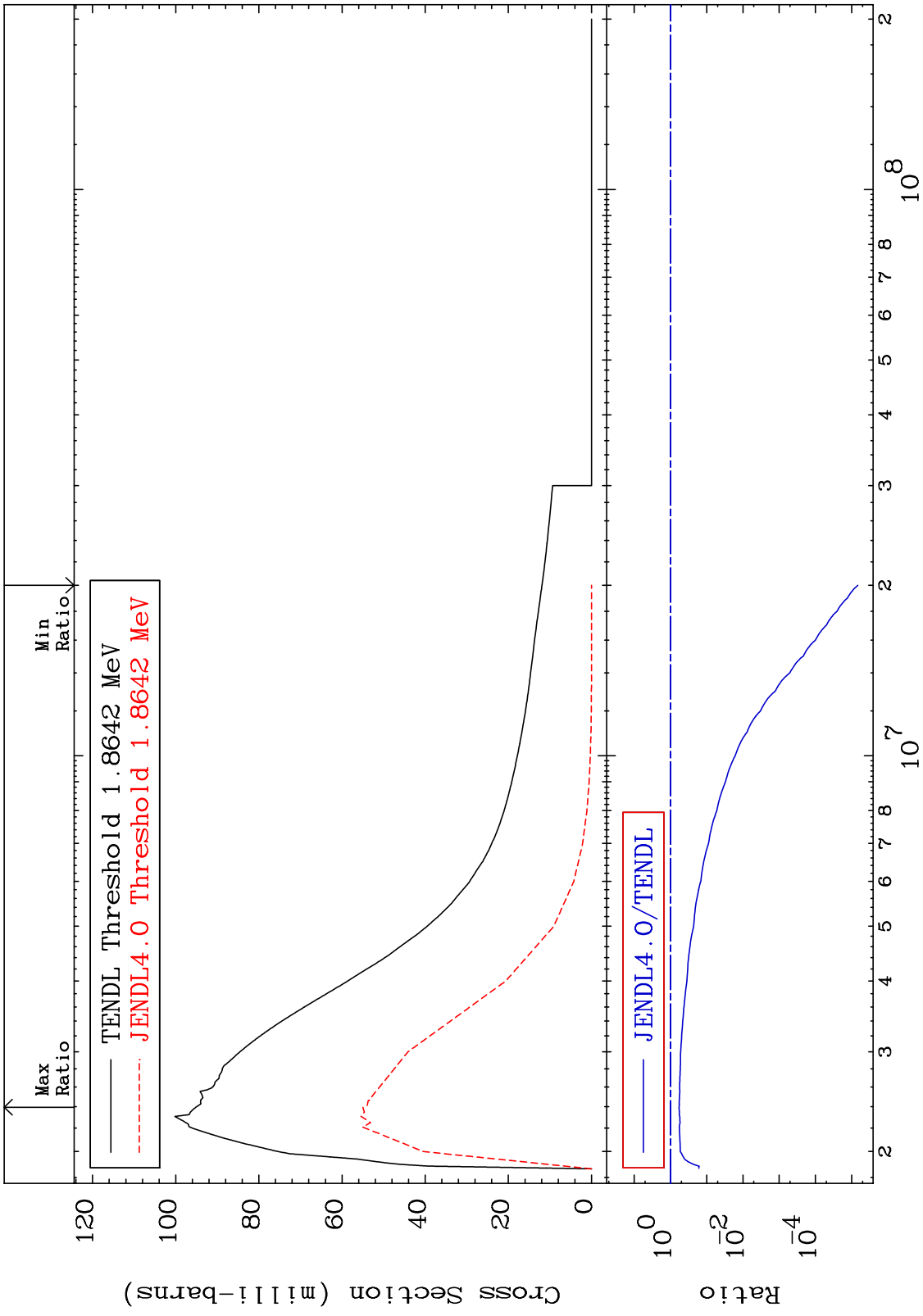
MAT 2228 MT= 56 (n,n') Level Cross Section -100.0 To -1.579% 22-Ti-47



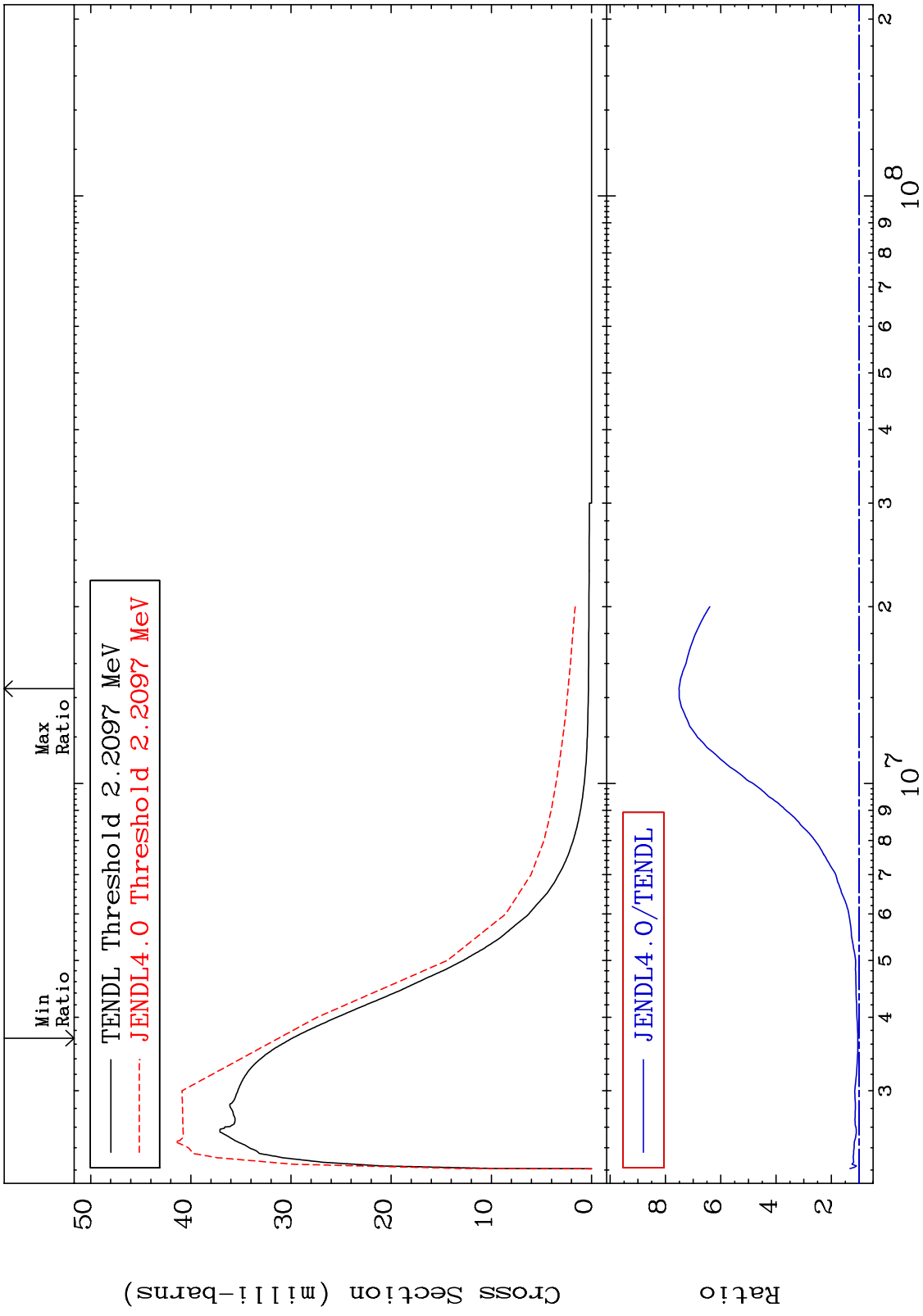
MAT 2228 MT= 57 (n,n') Level Cross Section -75.64 To 9999. % 22-Ti-47



MAT 2228 MT= 58 (n,n') Level Cross Section -100.0 To -42.25% 22-Ti-47

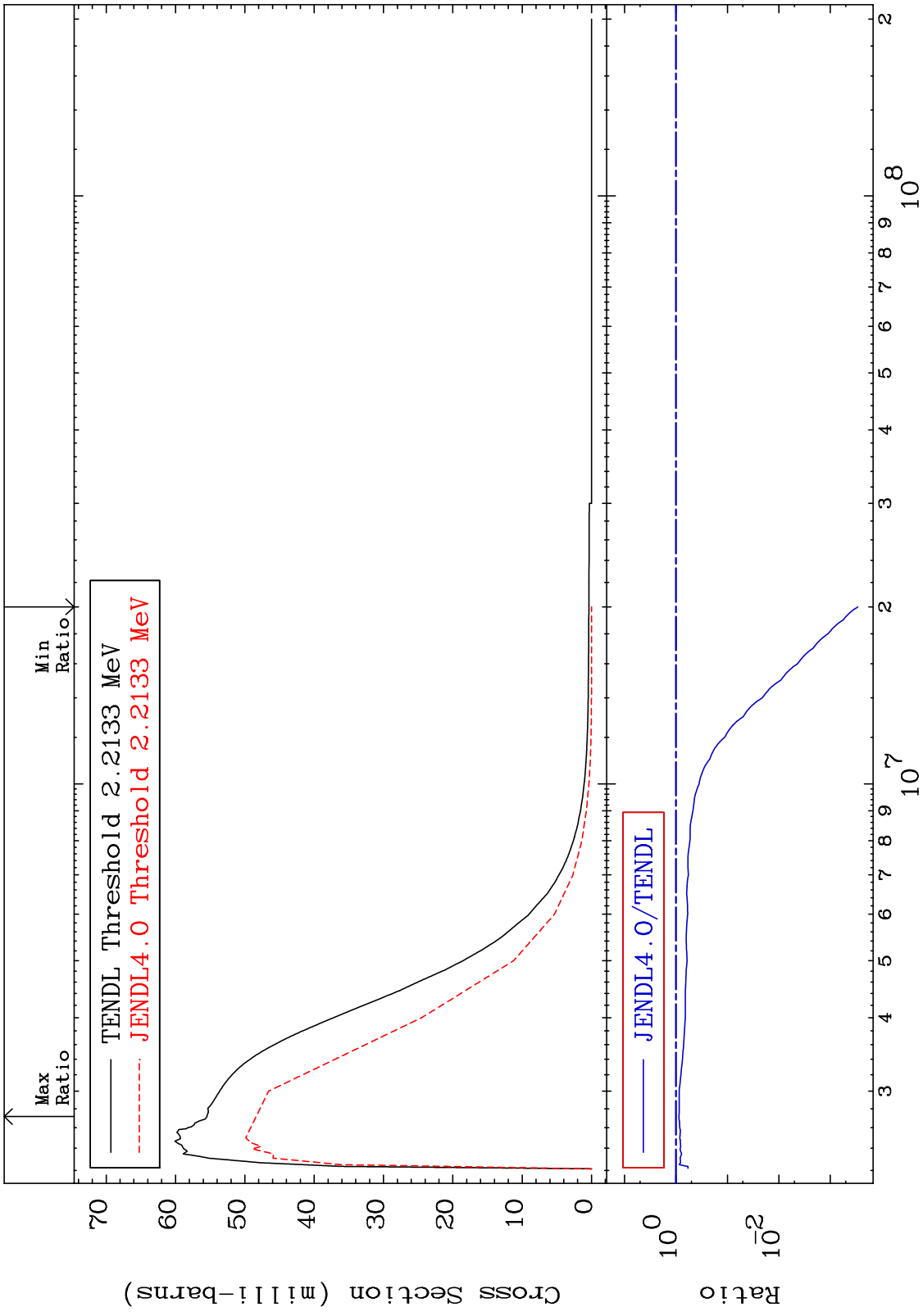


MAT 2228 MT= 59 (n,n') Level Cross Section 22-Ti-47 4.558 To 651.0 %

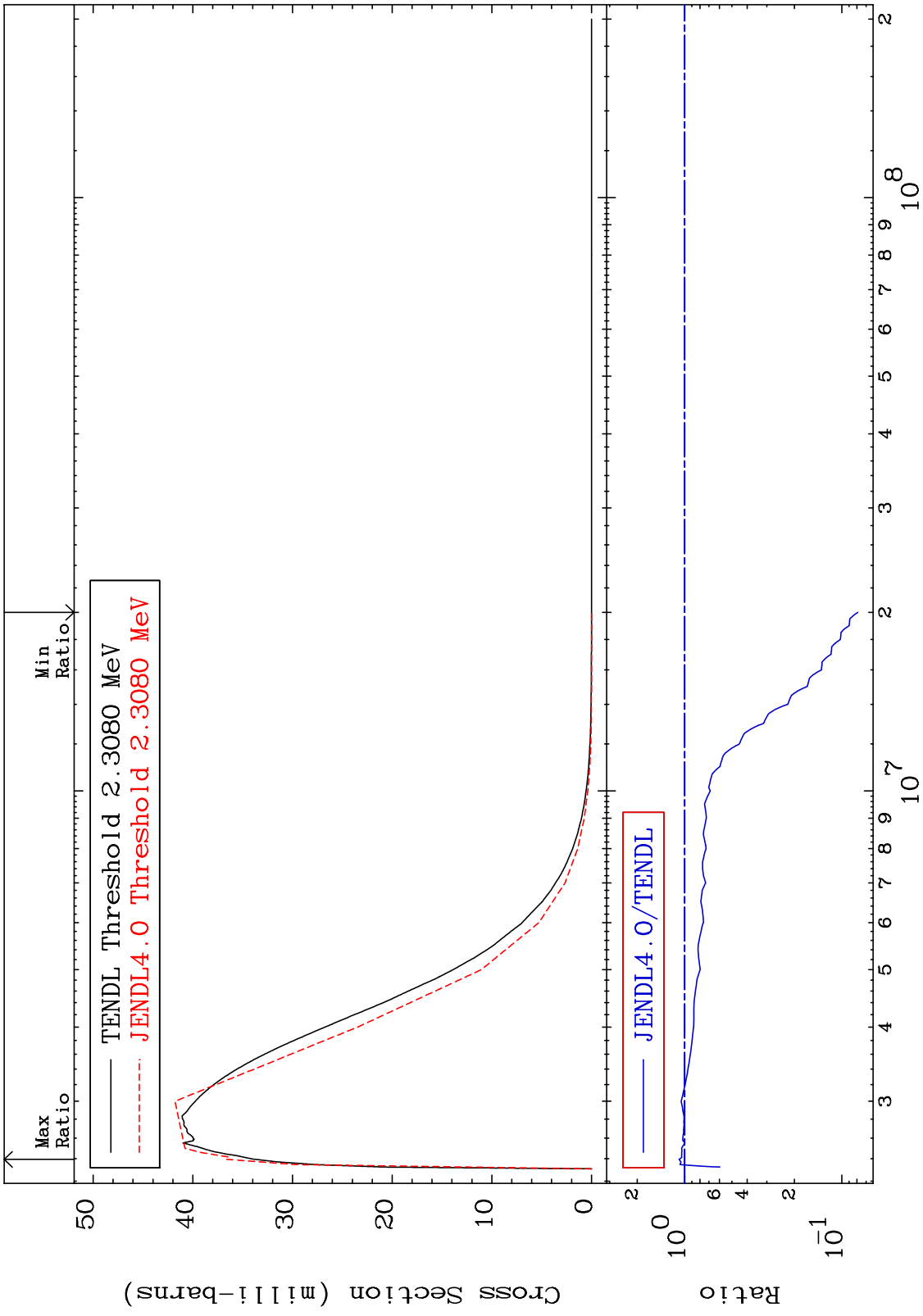




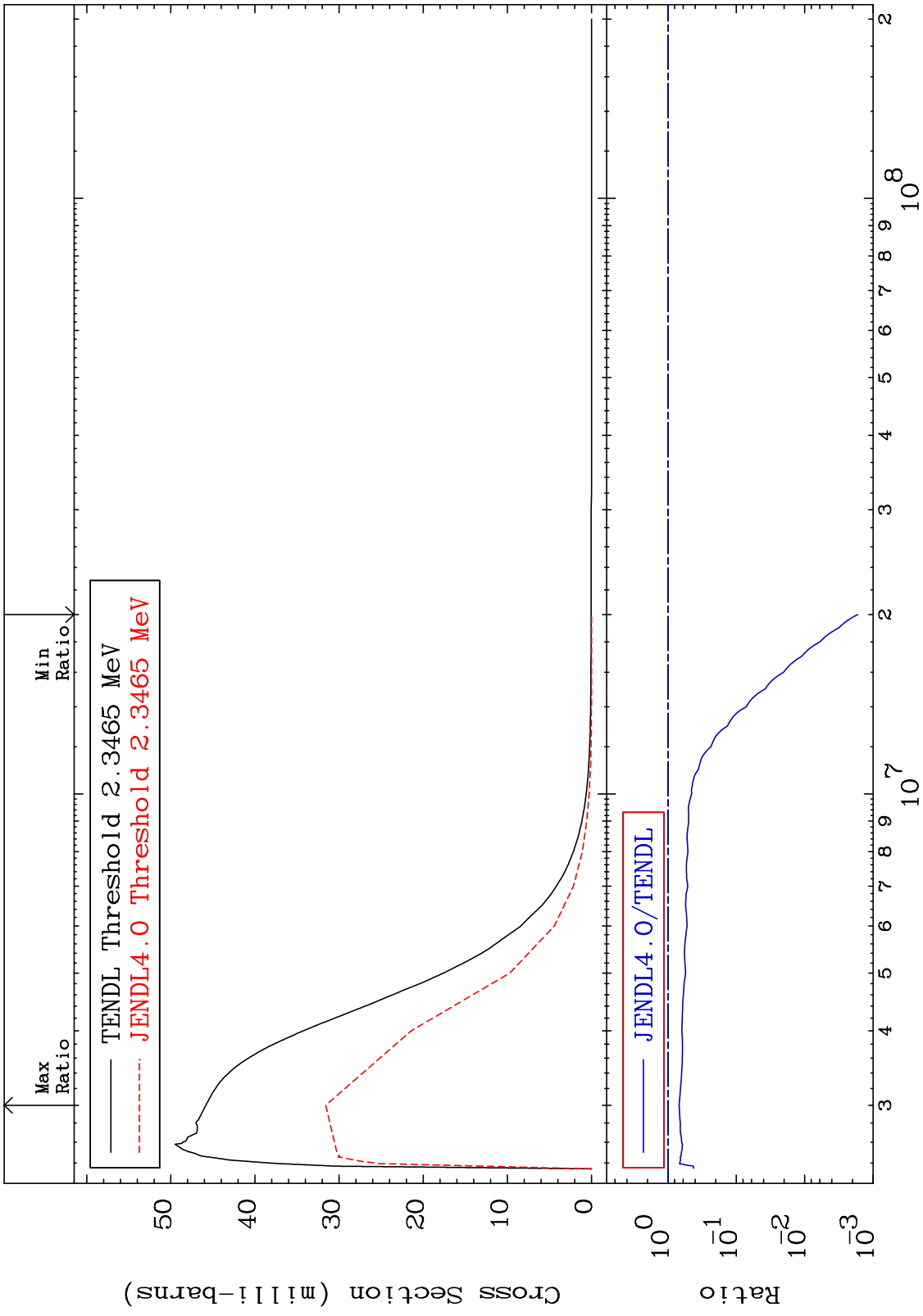
MAT 2228 MT= 60 (n,n') Level Cross Section 22-Ti-47  
 -99.97 To -12.78%



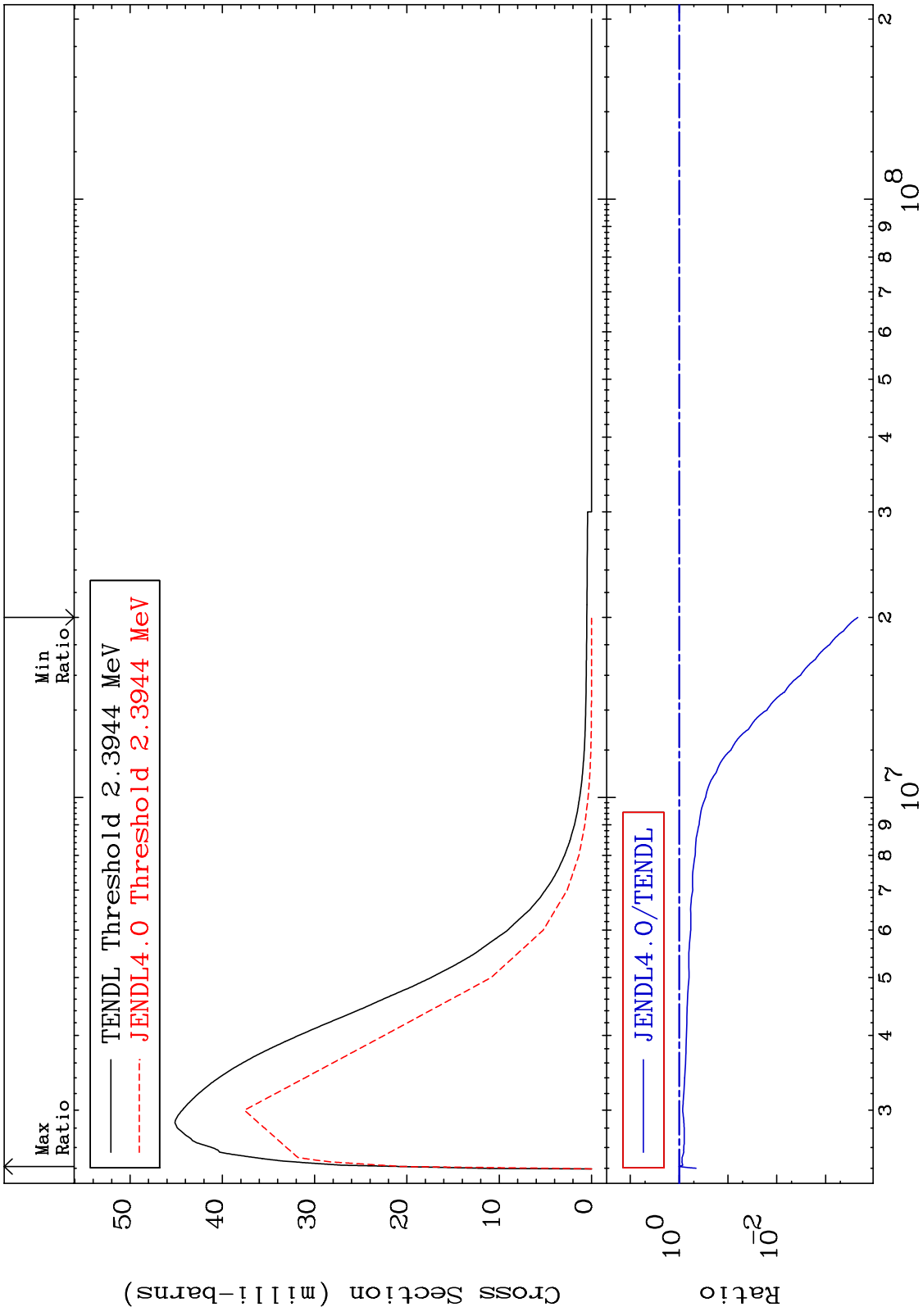
MAT 2228 MT= 61 (n,n') Level Cross Section 22-Ti-47 -92.10 To 8.531 %



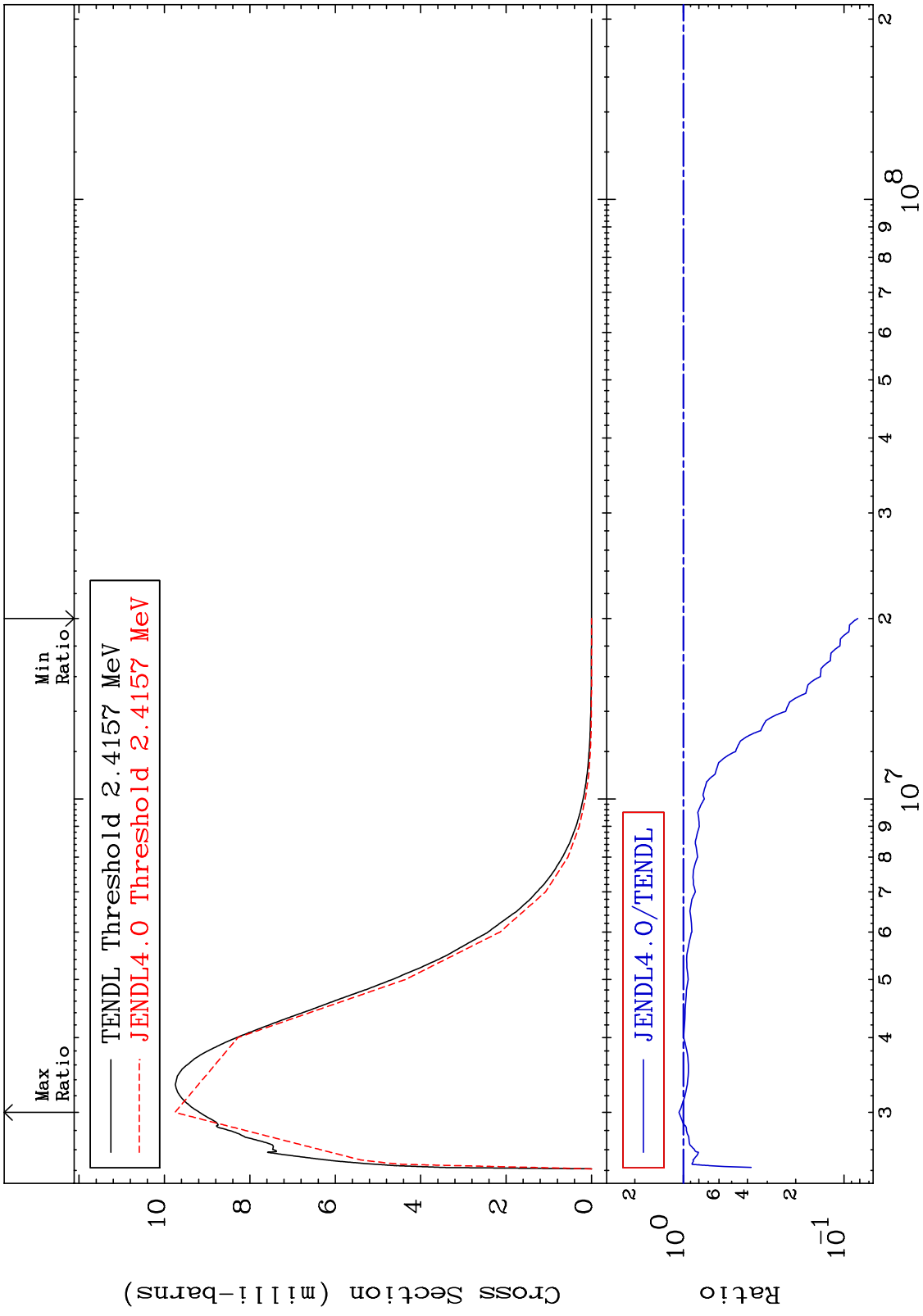
MAT 2228 MT= 62 (n,n') Level Cross Section 22-Ti-47 -99.83 To -31.08%



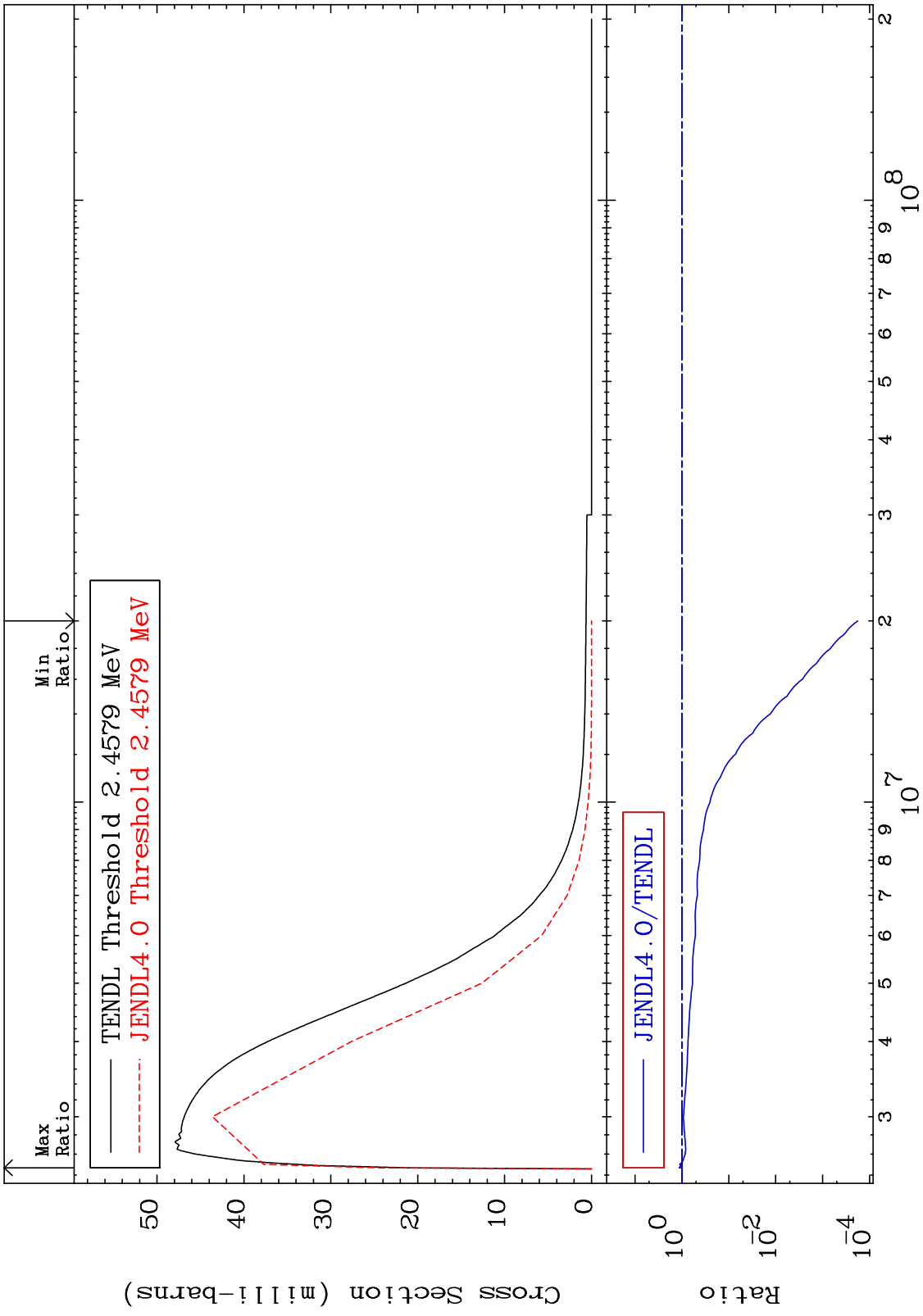
MAT 2228 MT= 63 (n,n') Level Cross Section -99.98 To 0.438 % 22-Ti-47



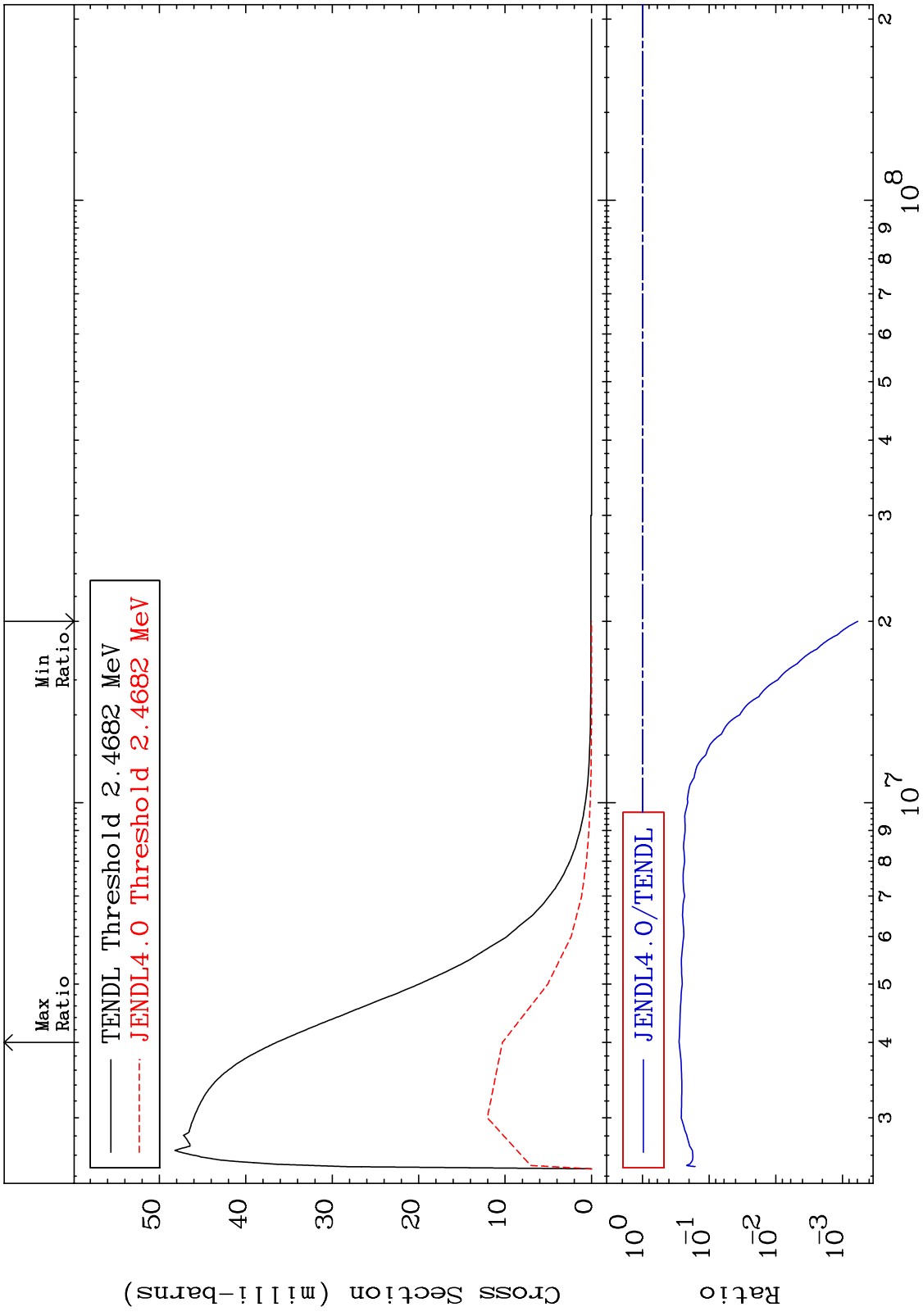
MAT 2228 MT= 64 (n,n') Level Cross Section -91.78 To 6.299 % 22-Ti-47



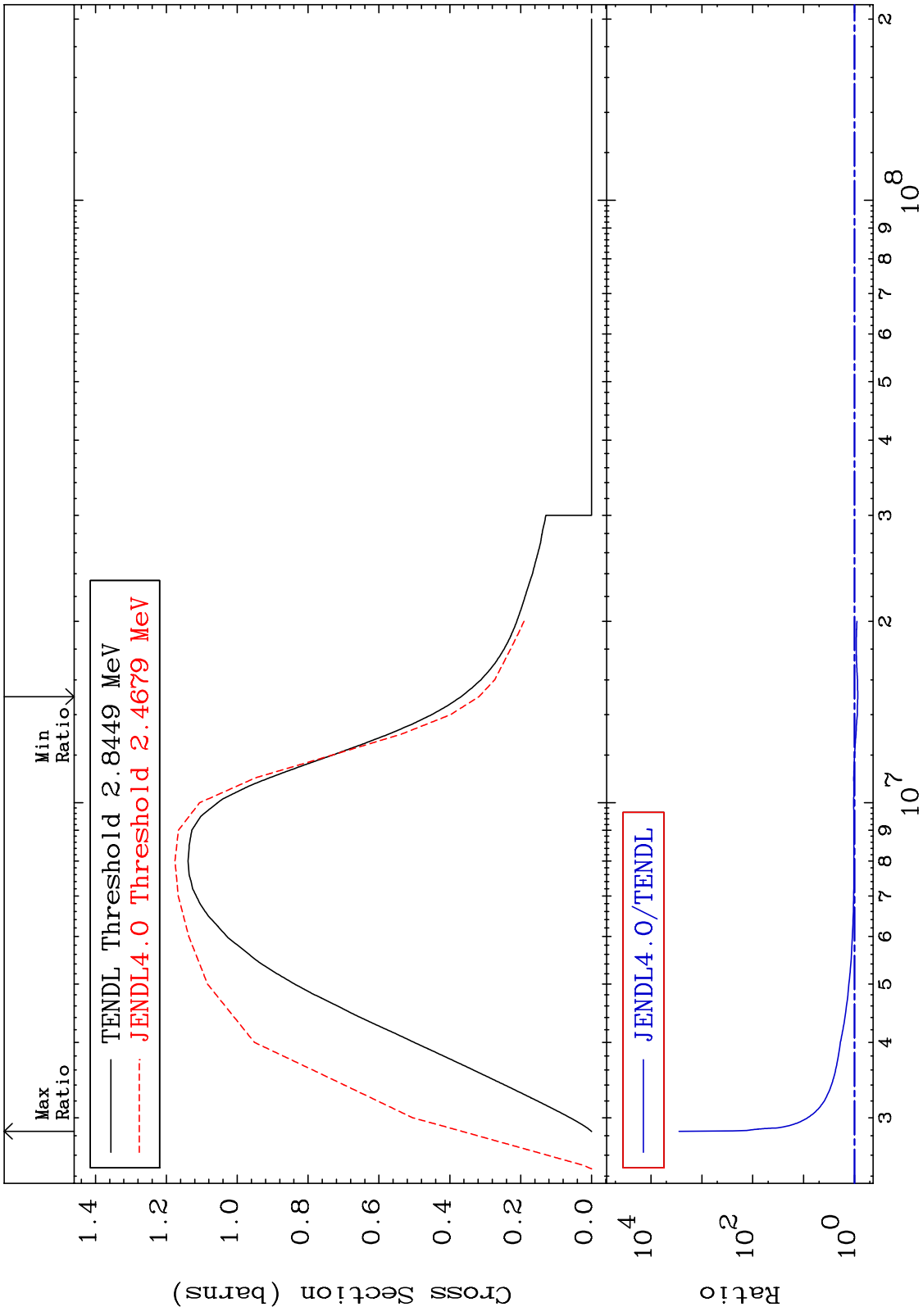
MAT 2228 MT= 65 (n,n') Level Cross Section -99.98 To 15.04 % 22-Ti-47



MAT 2228 MT= 66 (n,n') Level Cross Section 22-Ti-47  
 -99.94 To -71.73%



MAT 2228 (n,n') Continuum Cross Section -13.65 To 9999. % 22-Ti-47





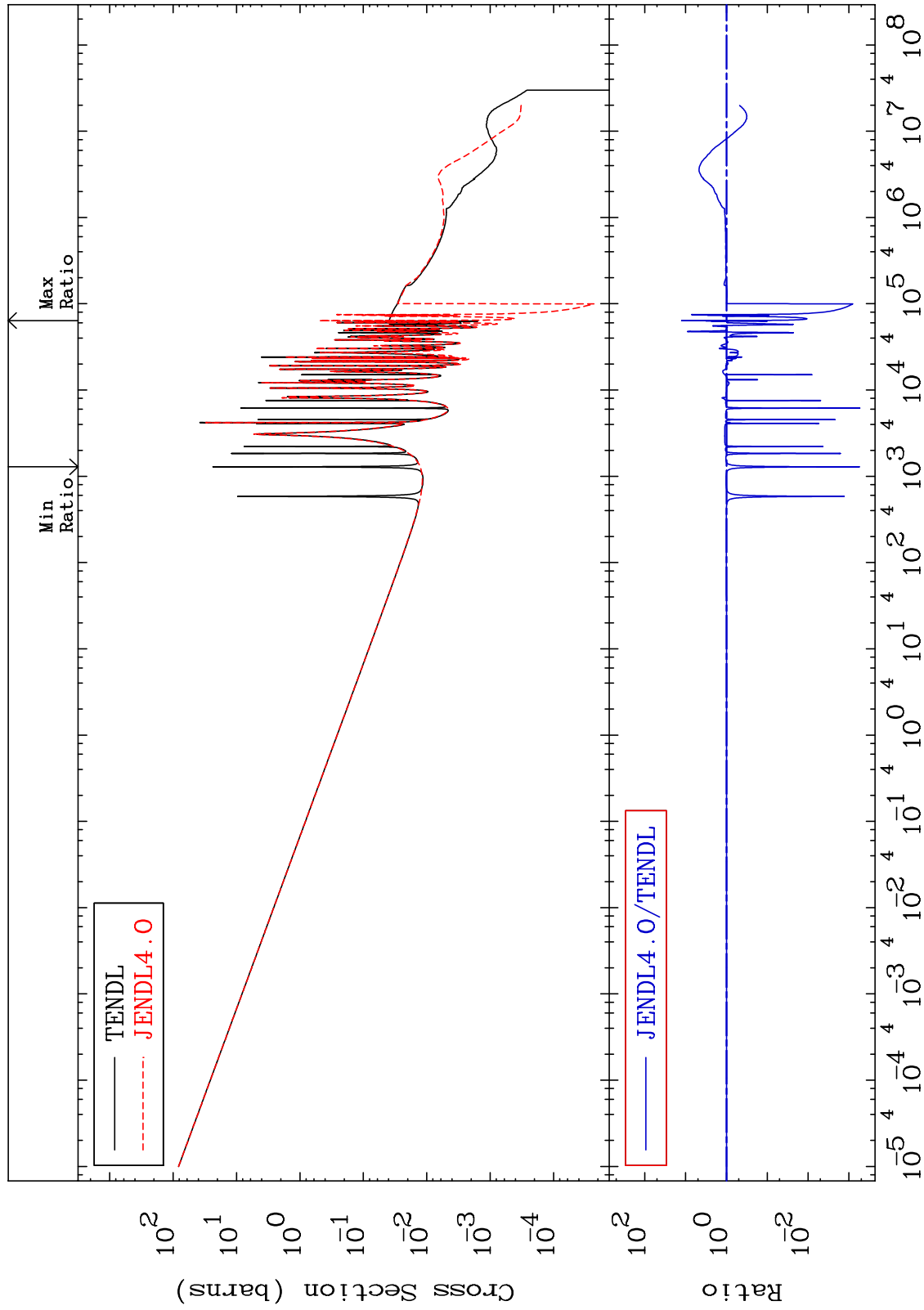
MAT 2228

(n,  $\gamma$ )

22-Ti-47

Cross Section

-99.95 To 1164. %



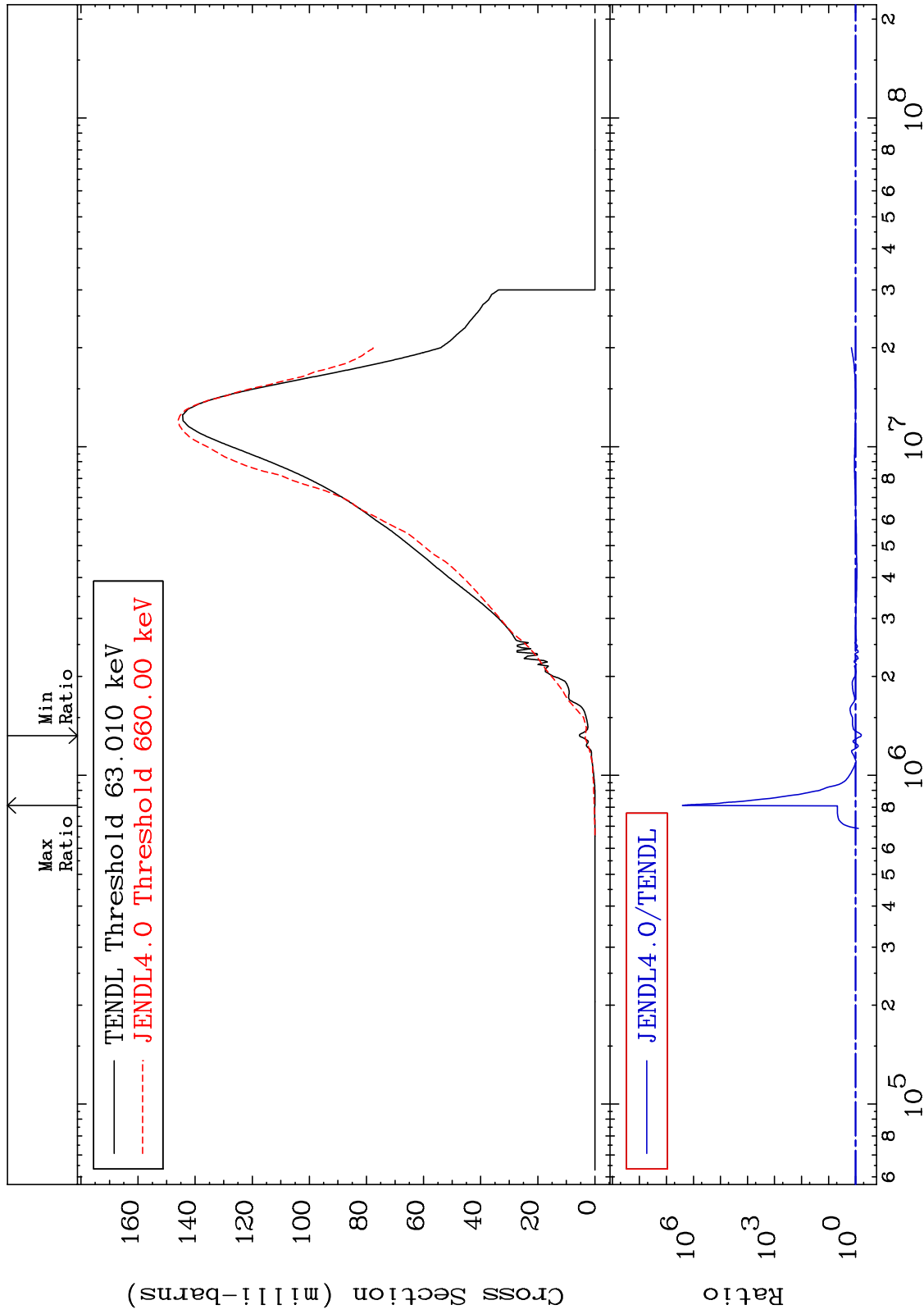
MAT 2228

(n,p)

22-Ti-47

Cross Section

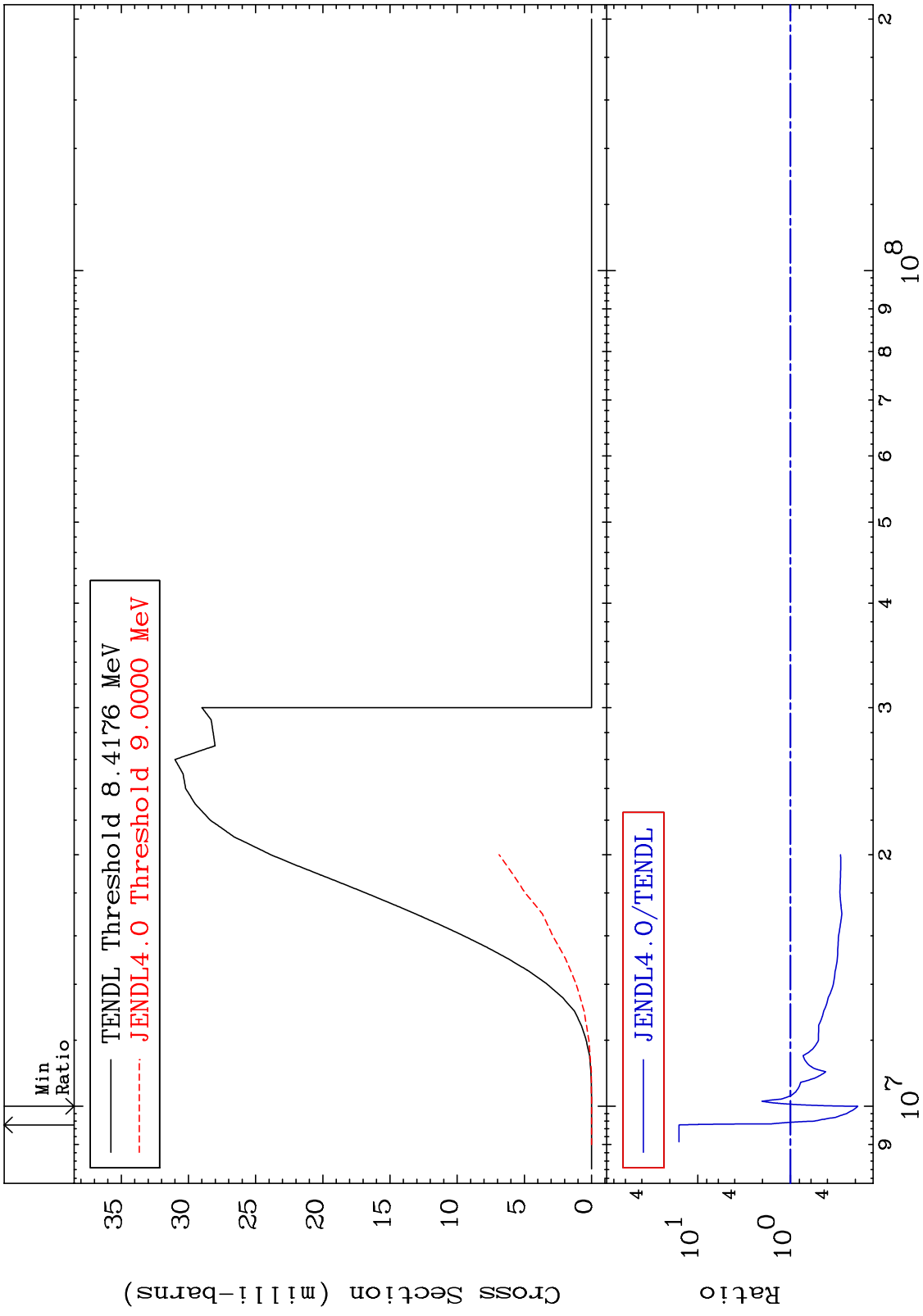
-38.51 To 9999. %

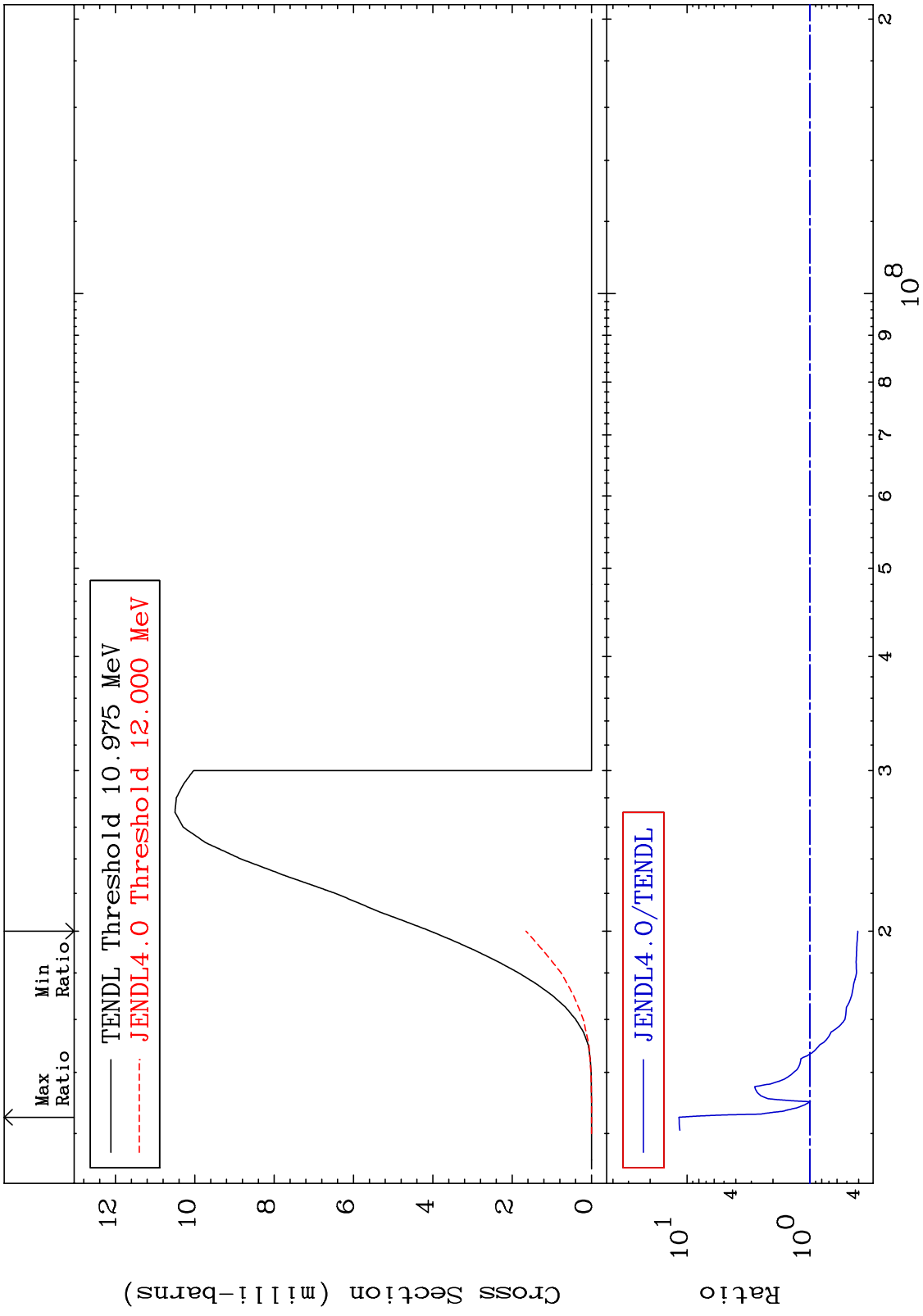


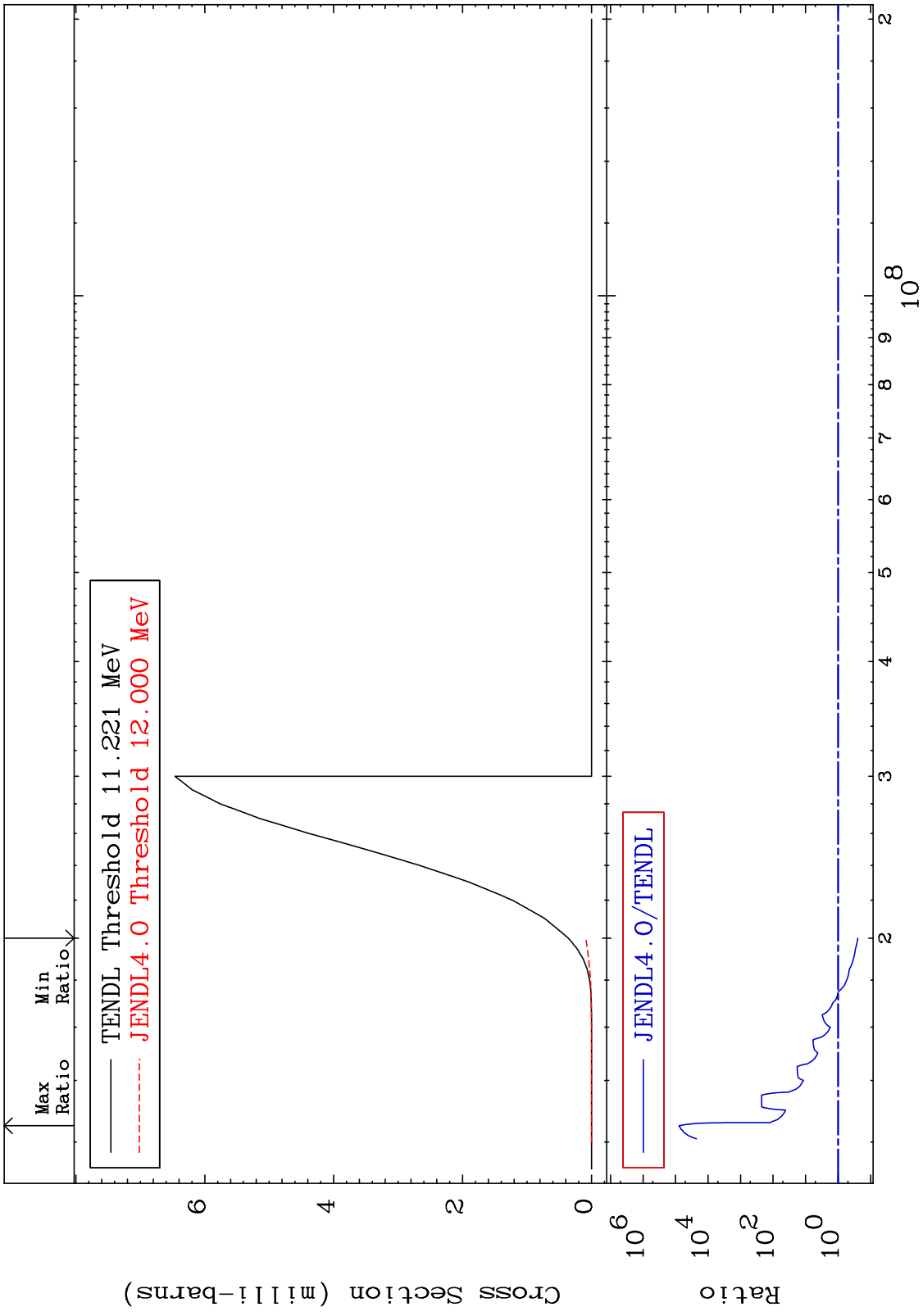
25

Incident Energy (eV)

22-Ti-47







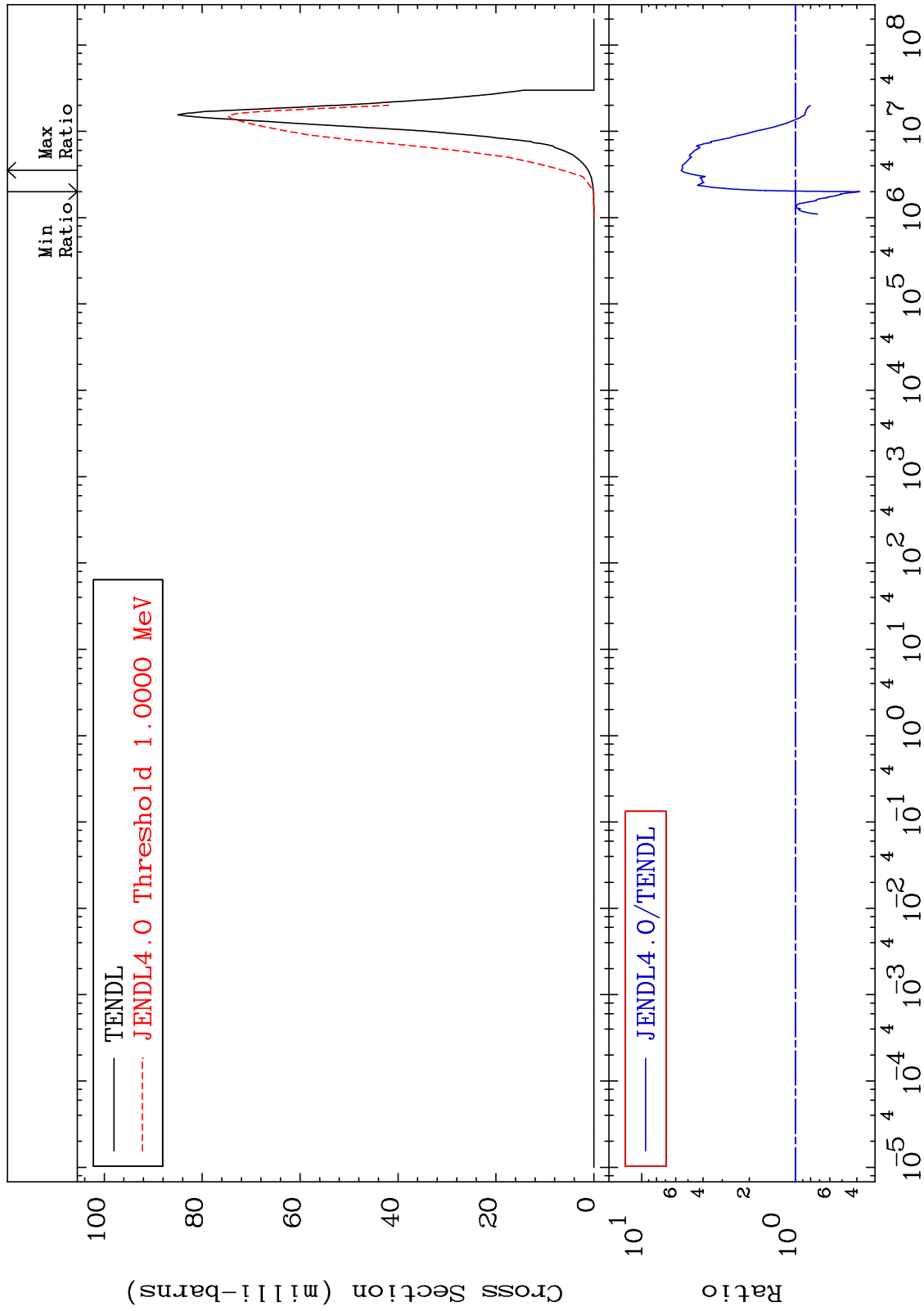
MAT 2228

(n,  $\alpha$ )

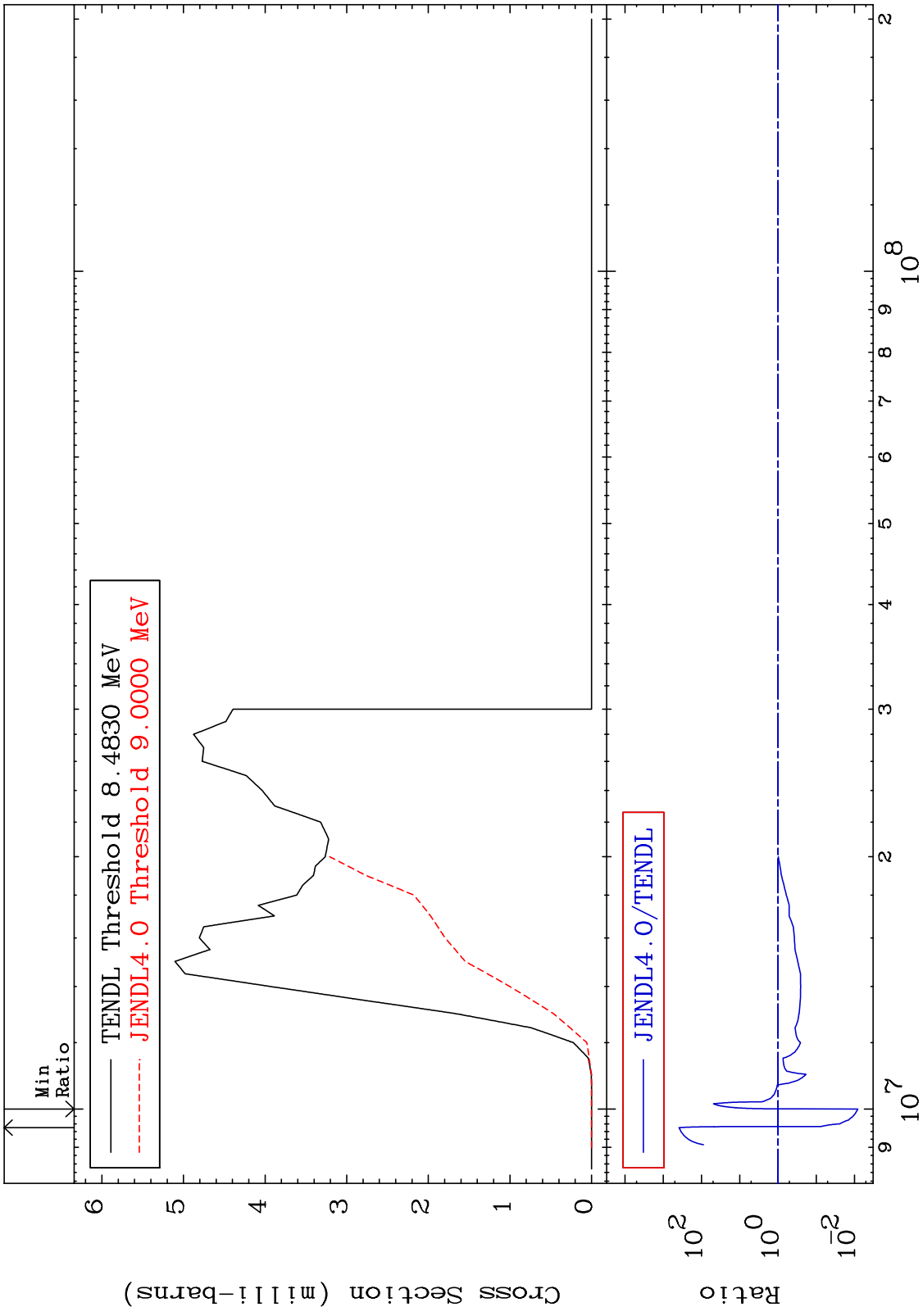
<sup>22</sup>Ti-47

Cross Section

-61.67 To 453.1 %



MAT 2228 (n,2p) Cross Section 22-Ti-47  
 -99.19 To 9999. %

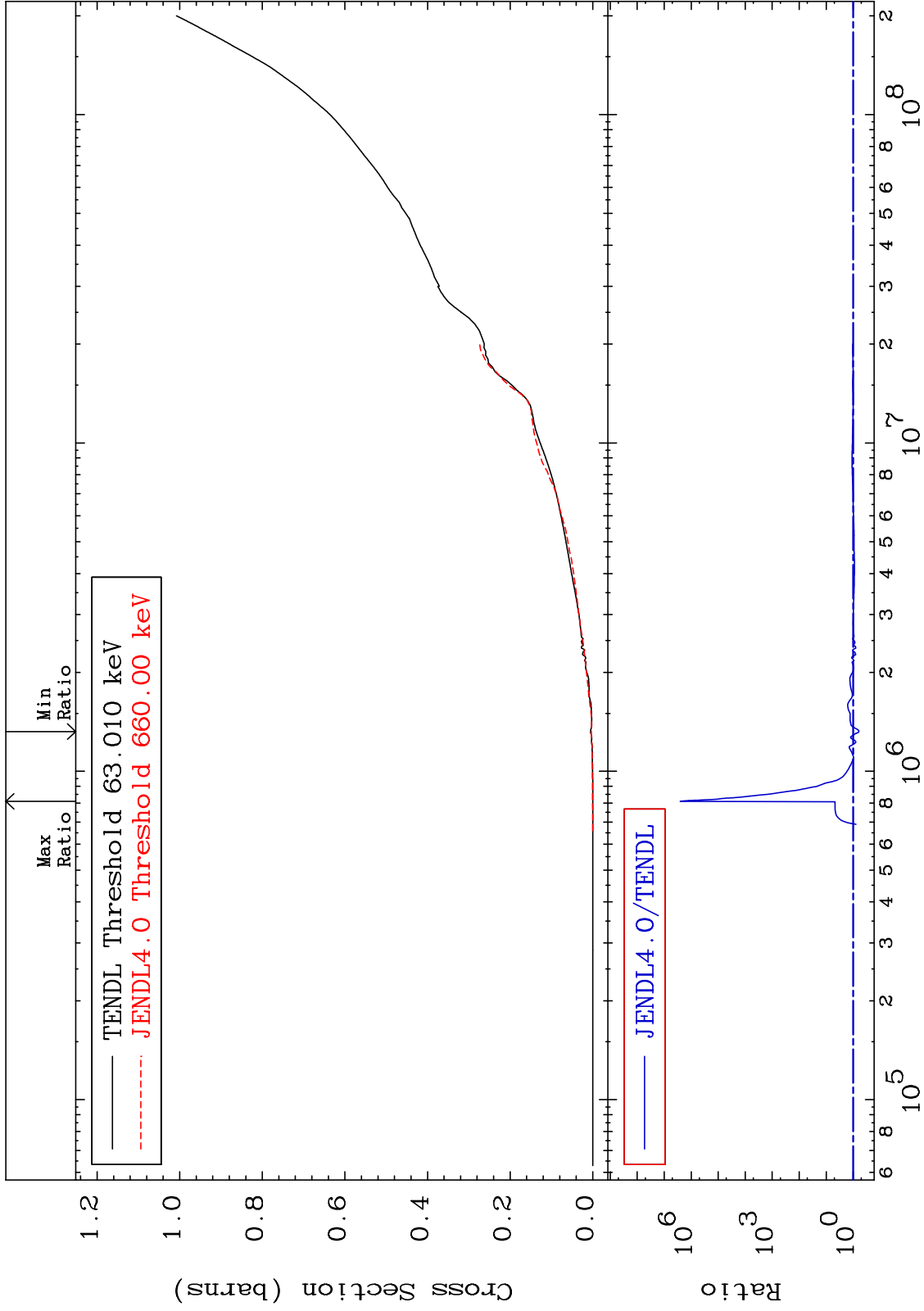


30 22-Ti-47

MAT 2228

Hydrogen Production  
Cross Section

22-Ti-47  
-38.51 To 9999. %

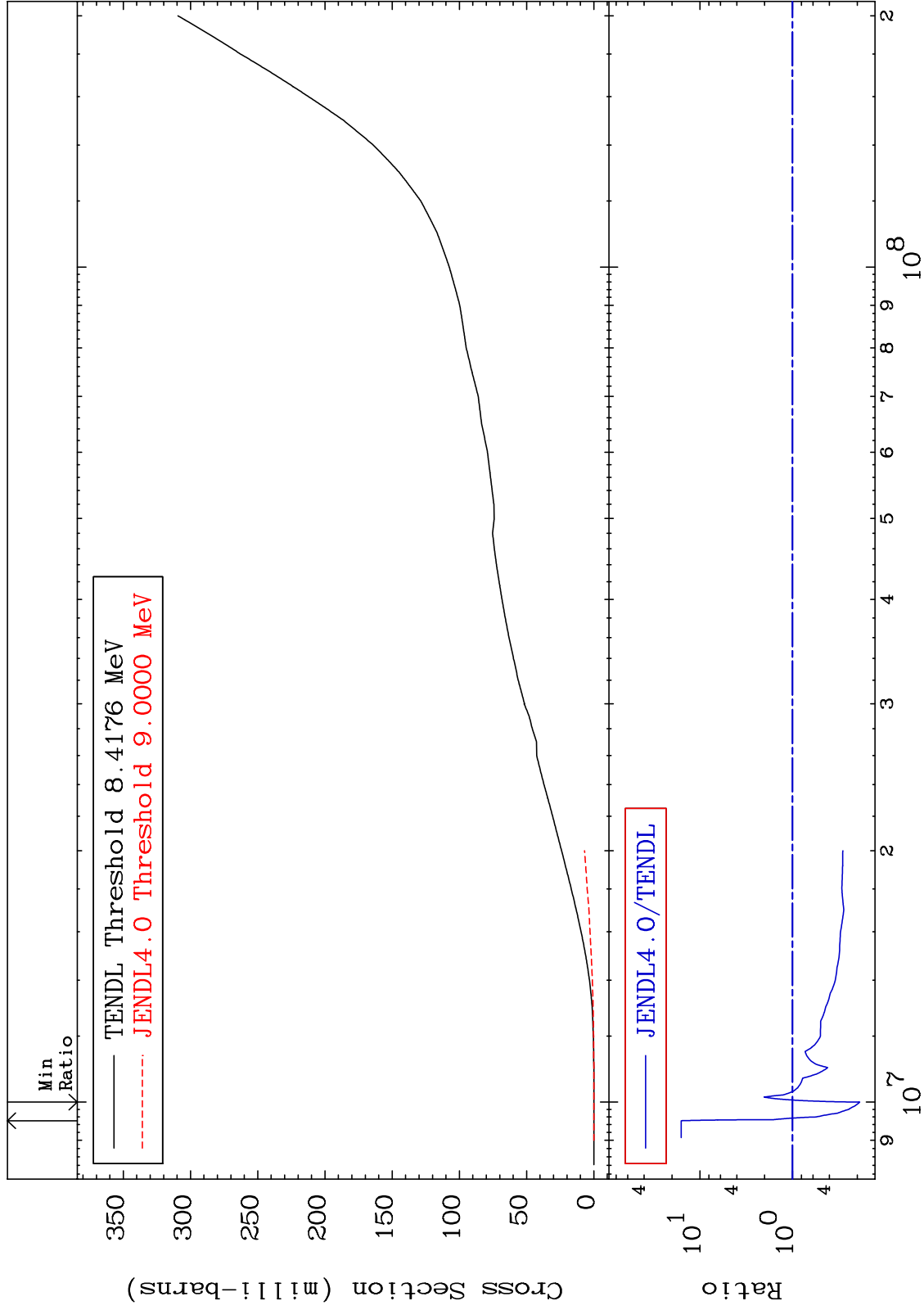




MAT 2228

Deuterium Production  
Cross Section

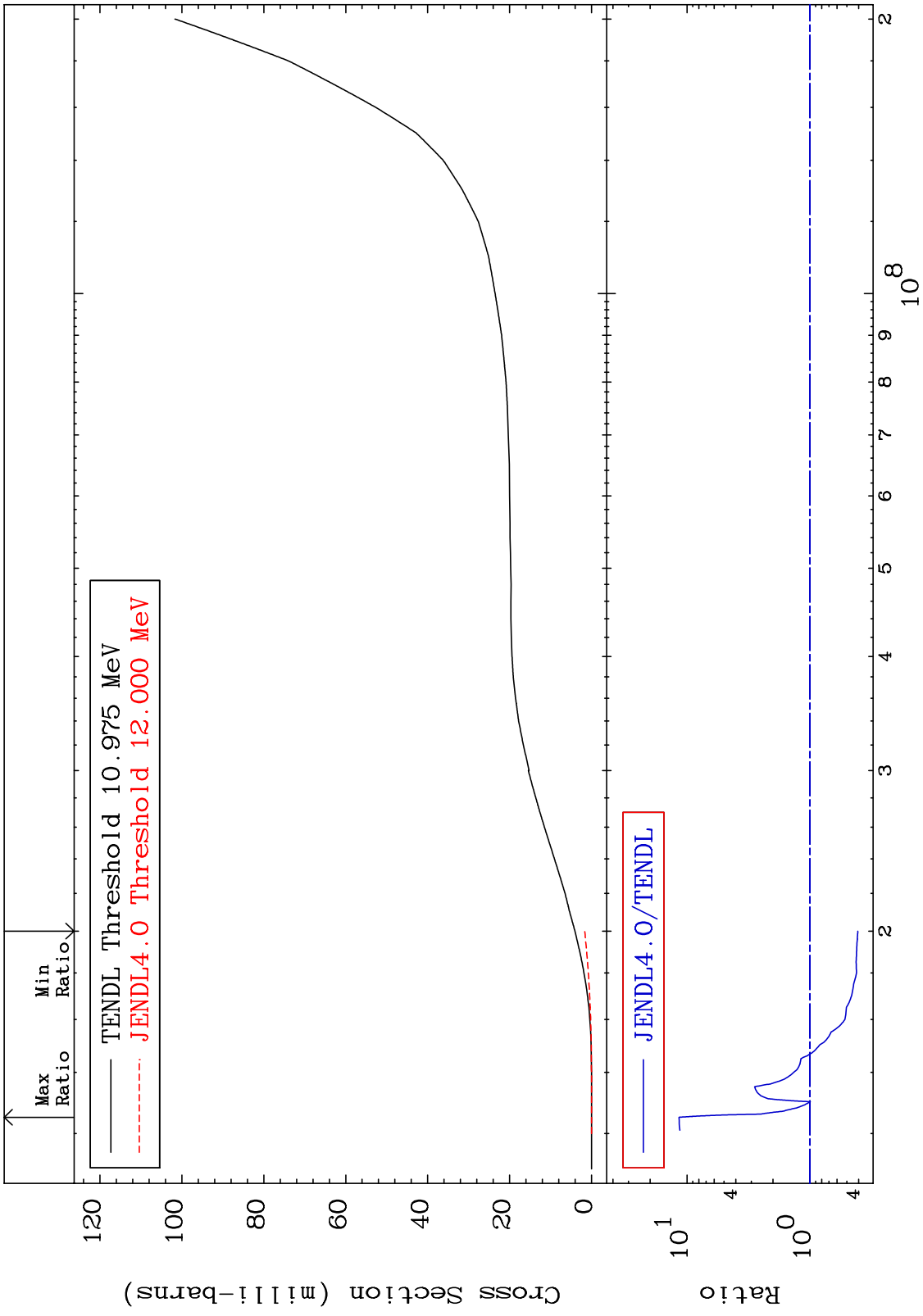
22-Ti-47  
-81.20 To 1489. %



32

Incident Energy (eV)

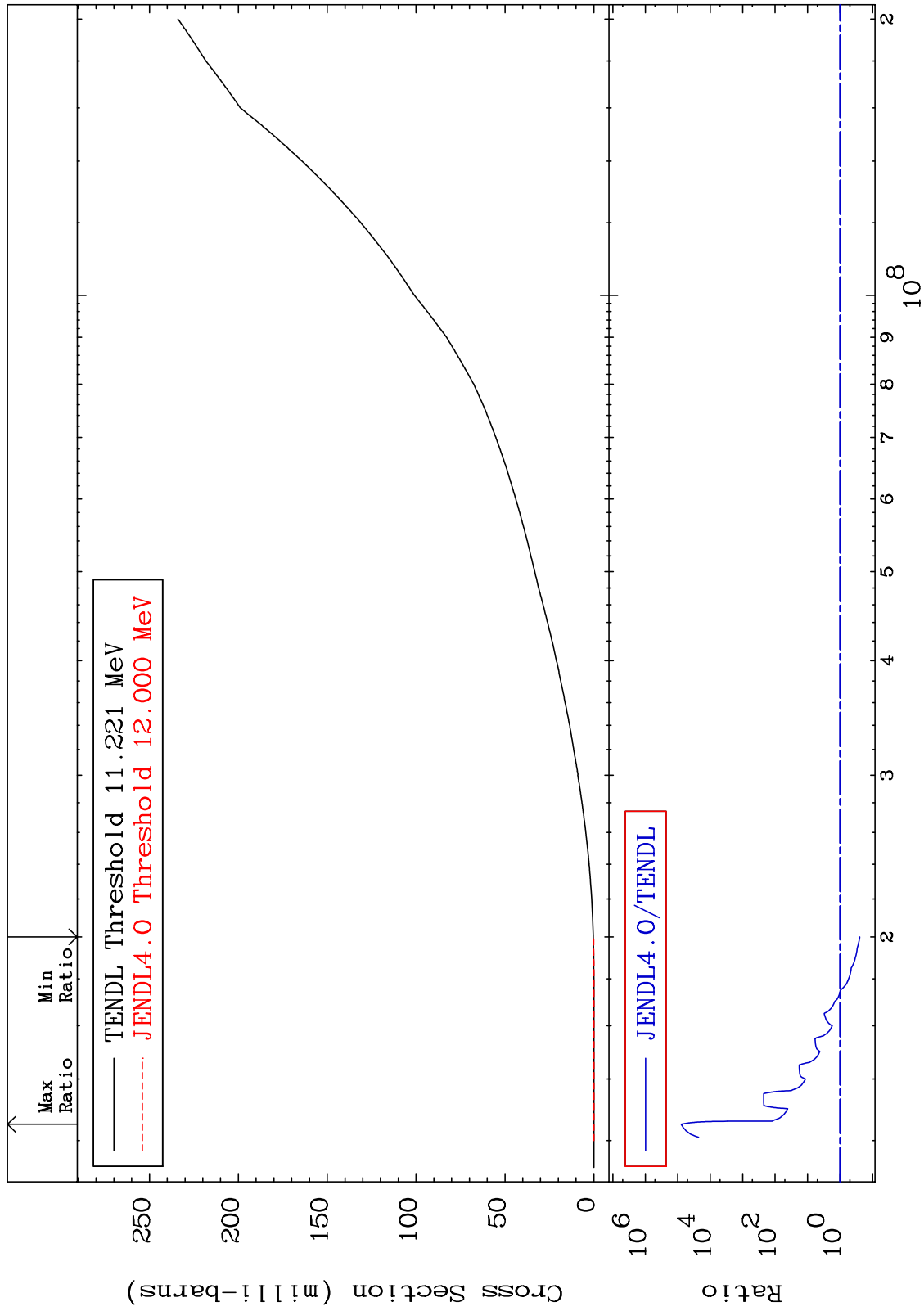
22-Ti-47



MAT 2228

He-3 Production  
Cross Section

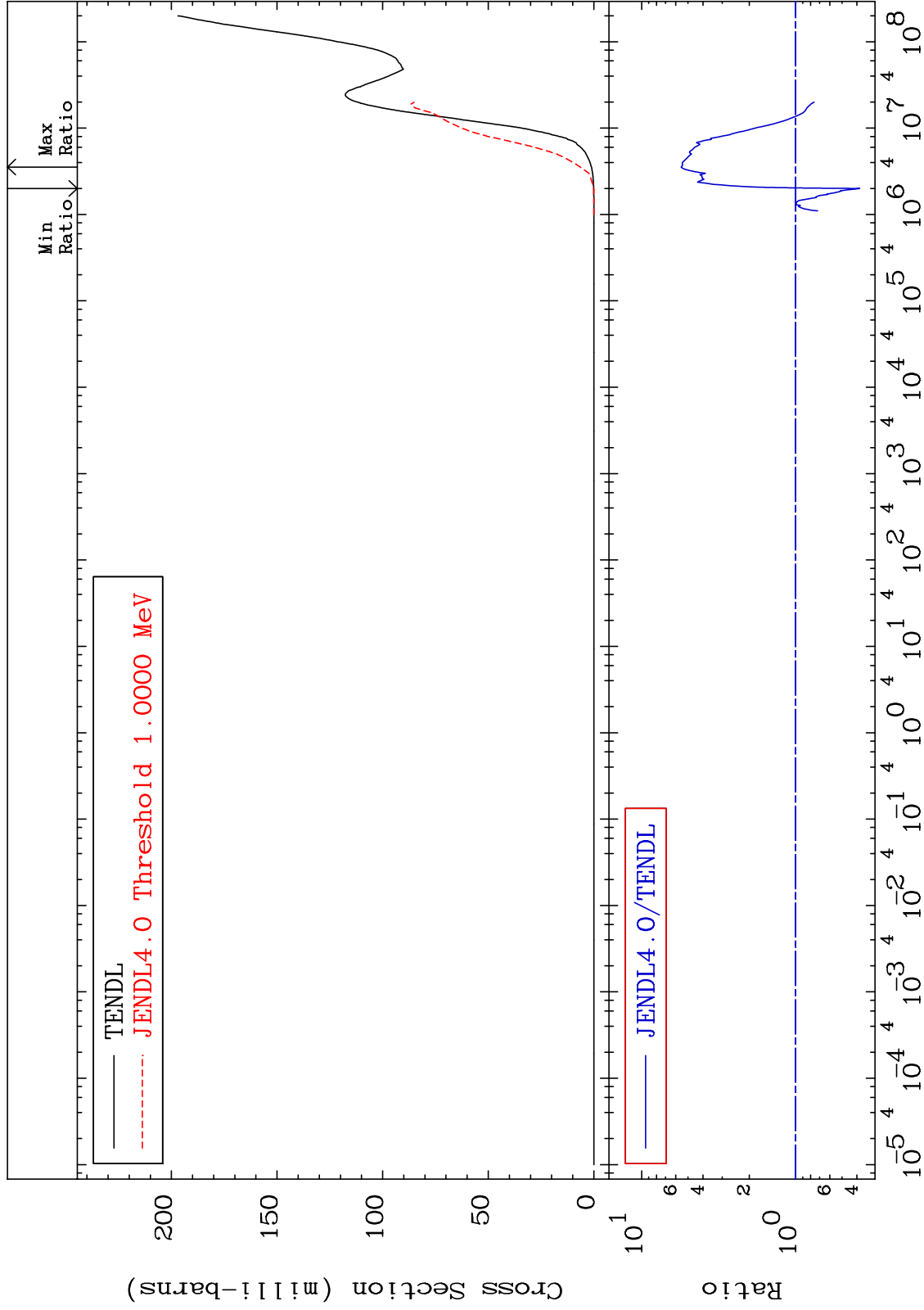
22-Ti-47  
-75.30 To 9999. %



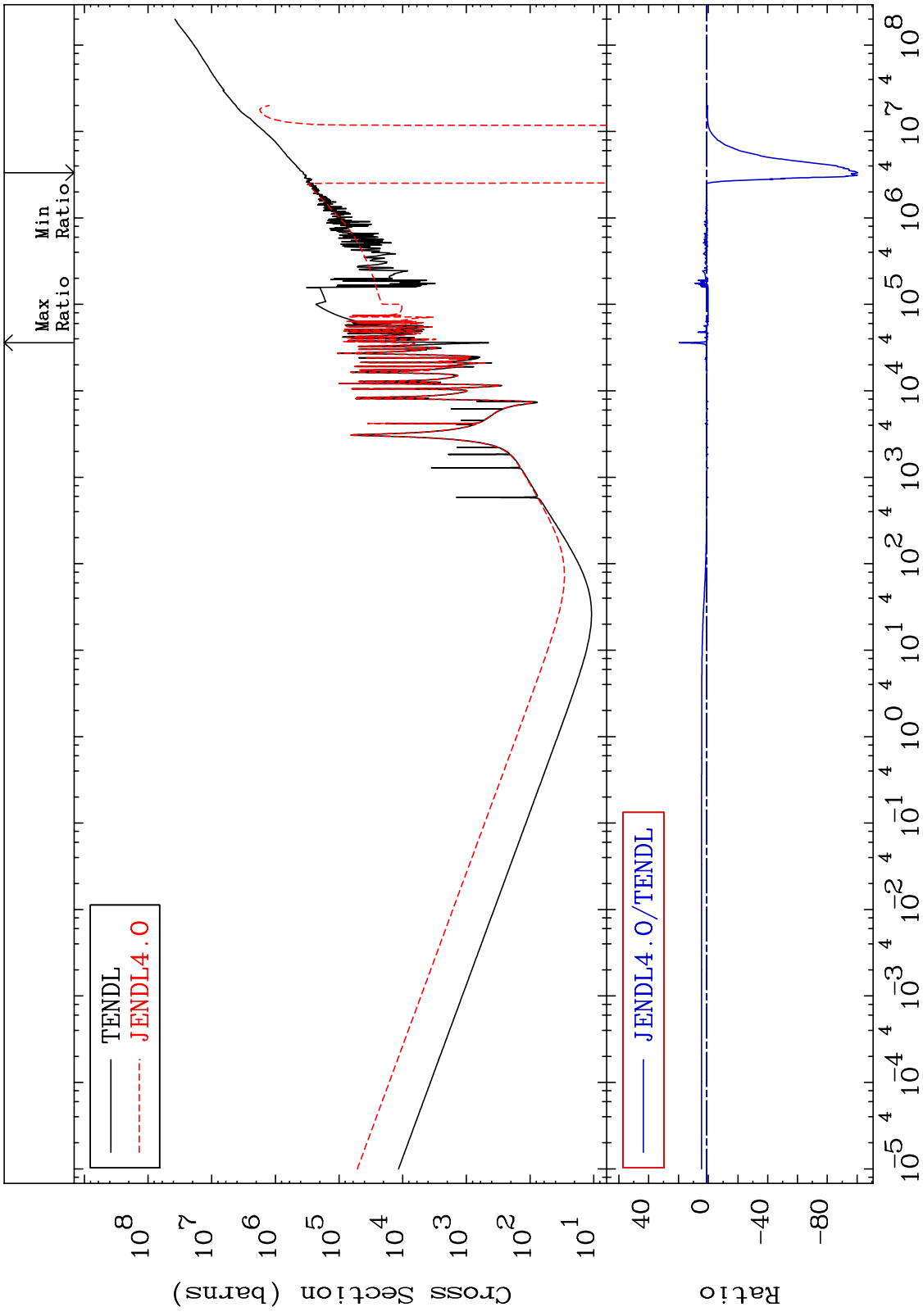
MAT 2228

He-4 Production  
Cross Section

22-Ti-47  
-61.67 To 453.1 %



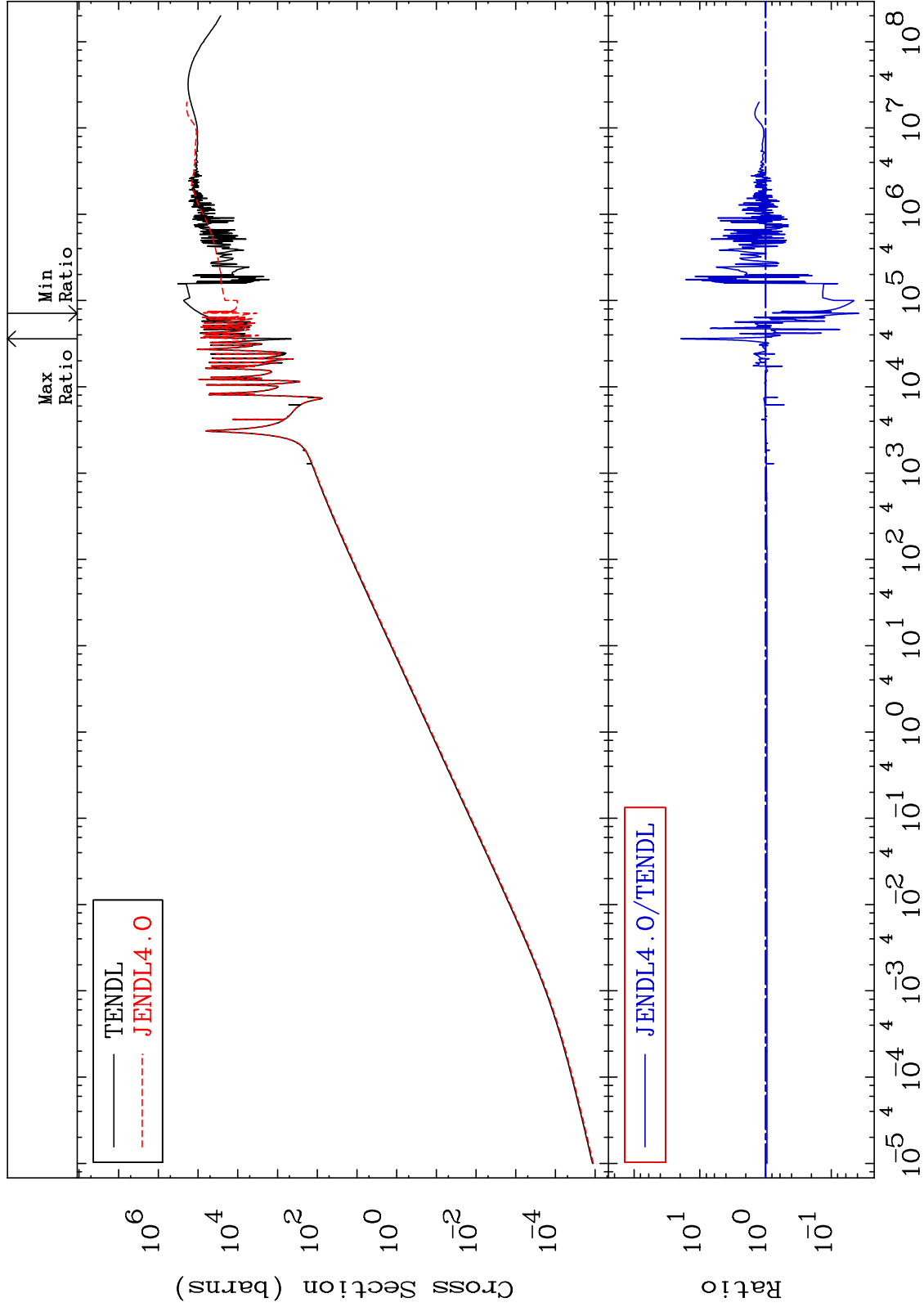
MAT 2228 Kerma total (eV-barns) Cross Section 22-Ti-47 -9999. To 1859. %



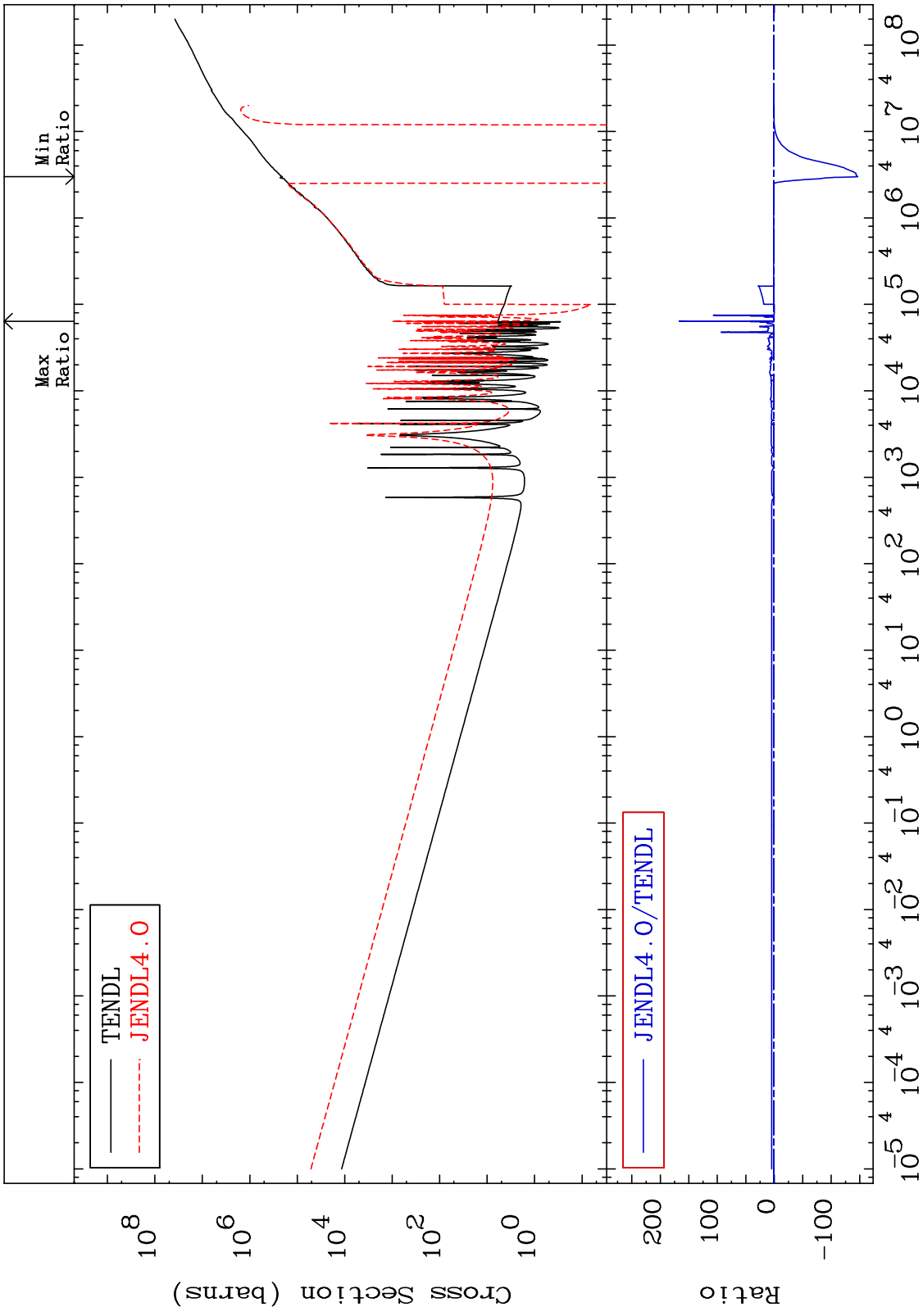
MAT 2228

Kerma elastic  
Cross Section

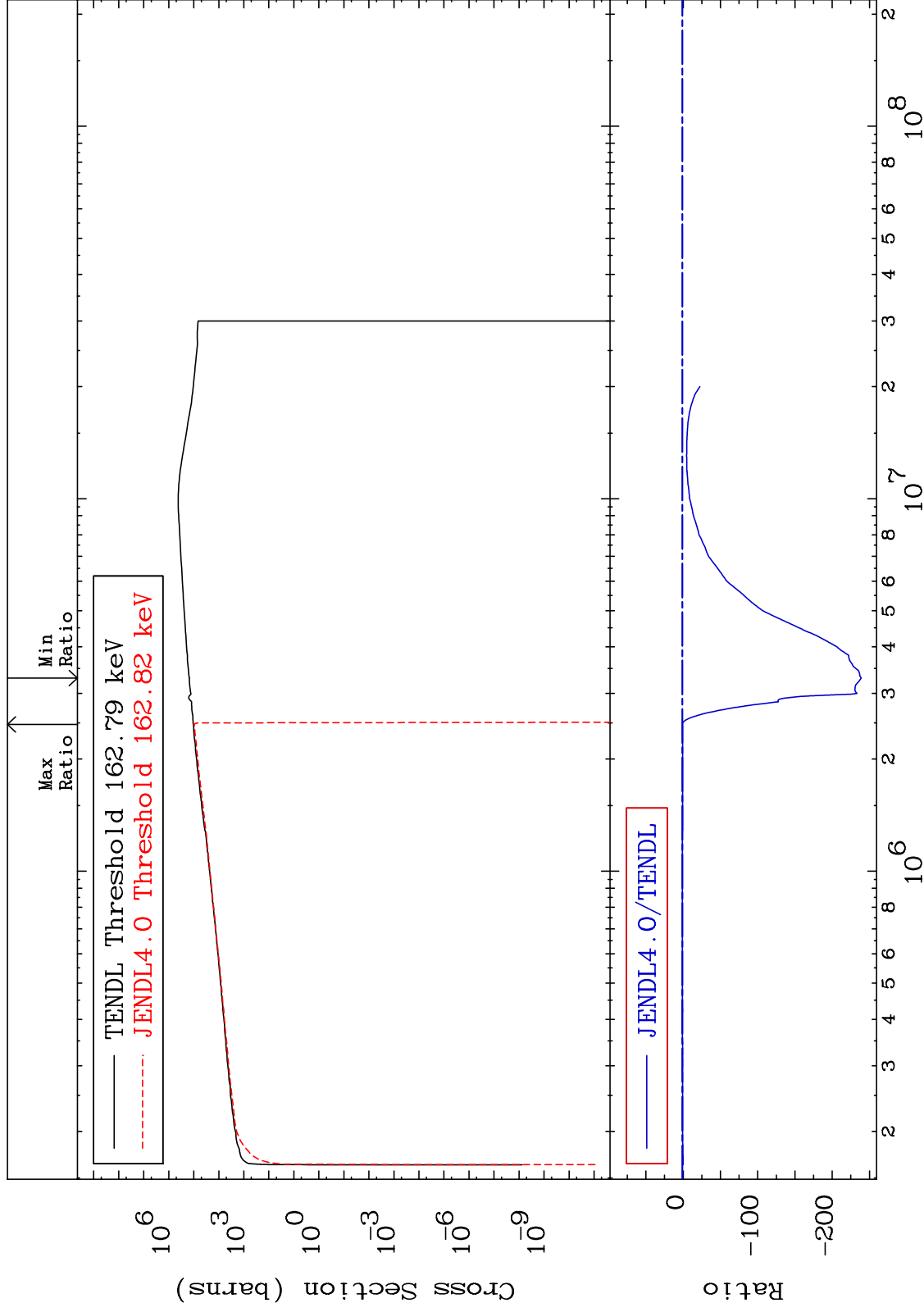
22-Ti-47  
-96.23 To 1861. %



MAT 2228      Kerma non-elastic (all but mt2)      22-Ti-47  
 Cross Section      -9999. To 9999. %



38      Incident Energy (eV)      22-Ti-47

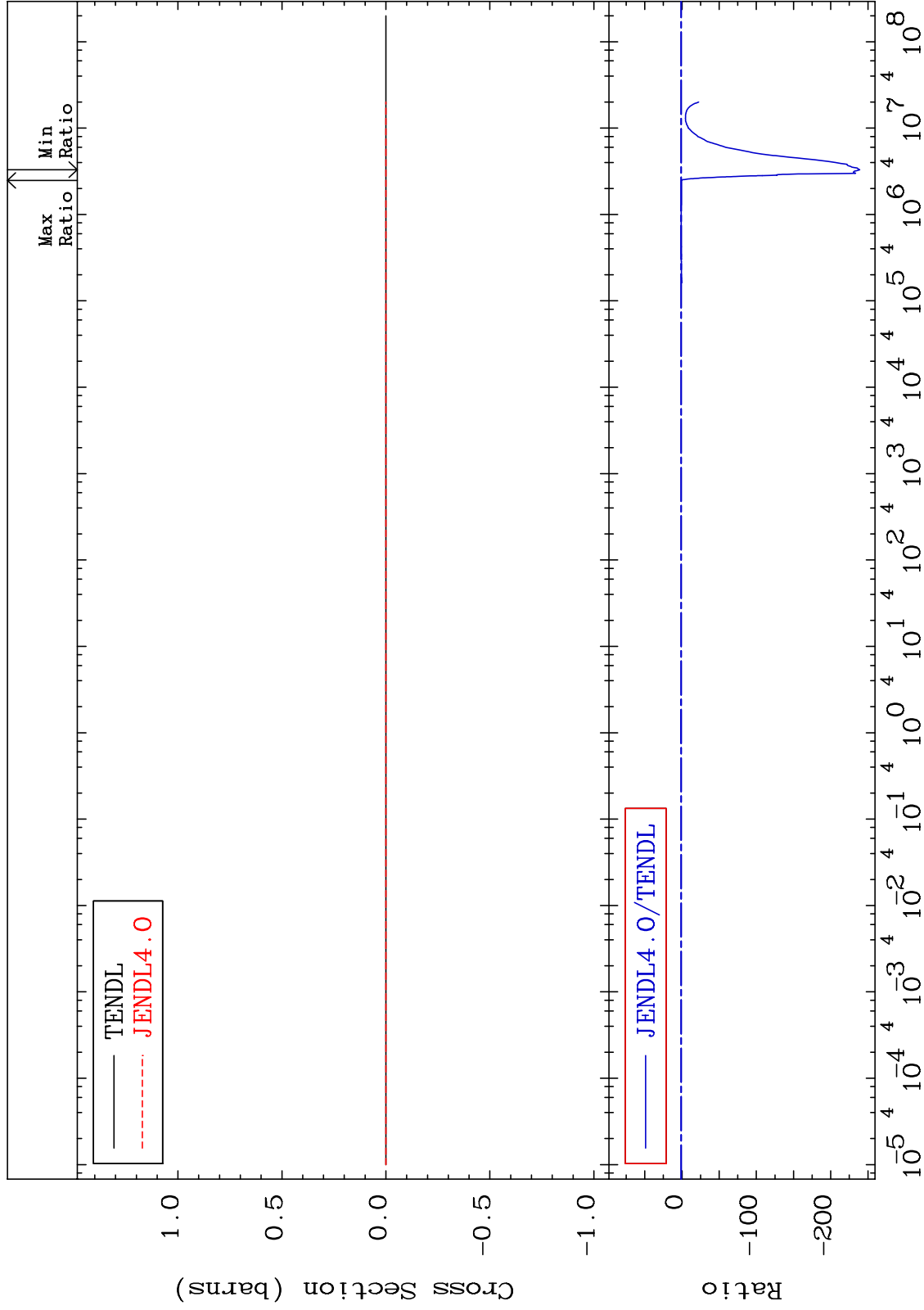




MAT 2228

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

22-Ti-47  
-9999. To -1.148%

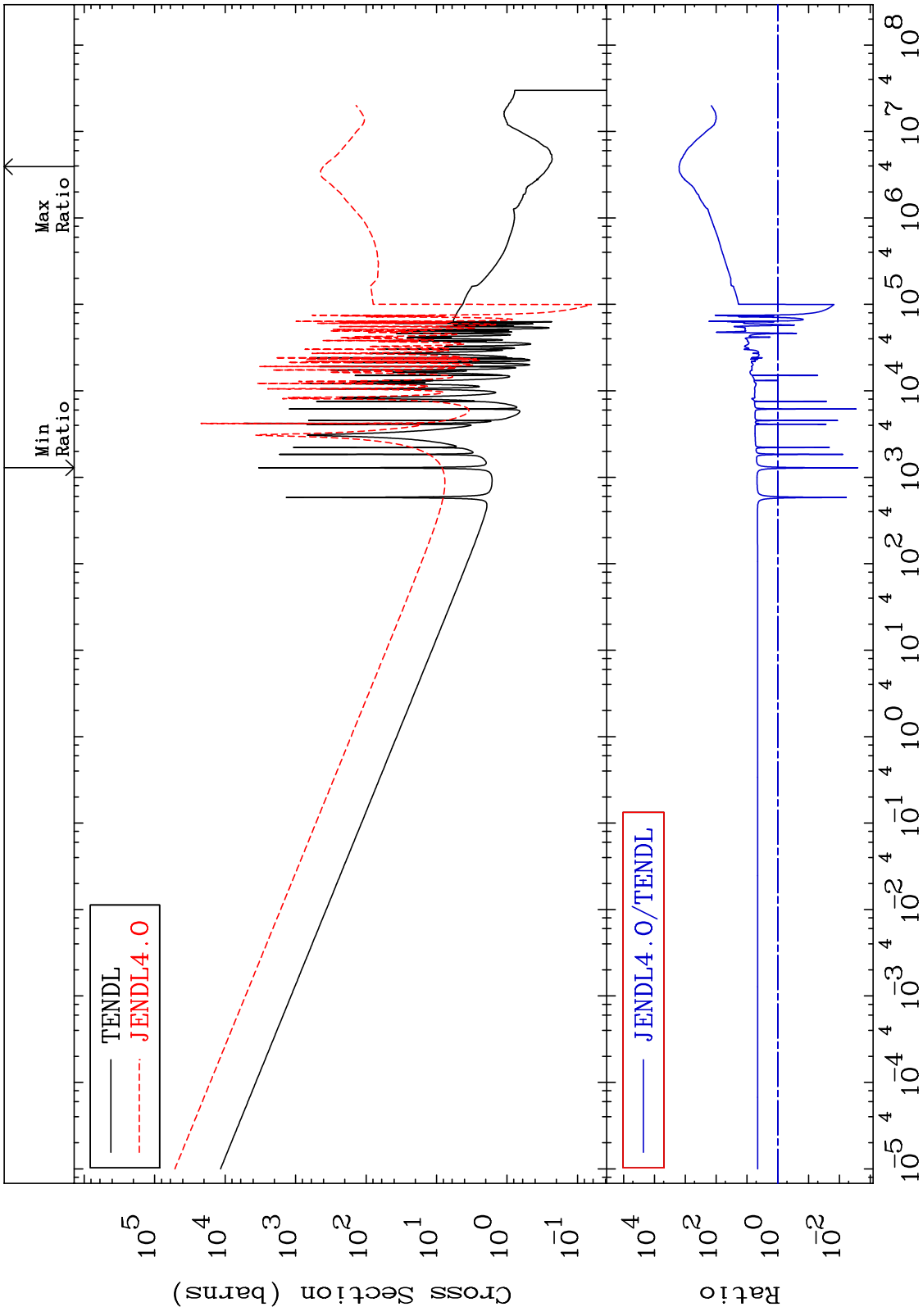


40

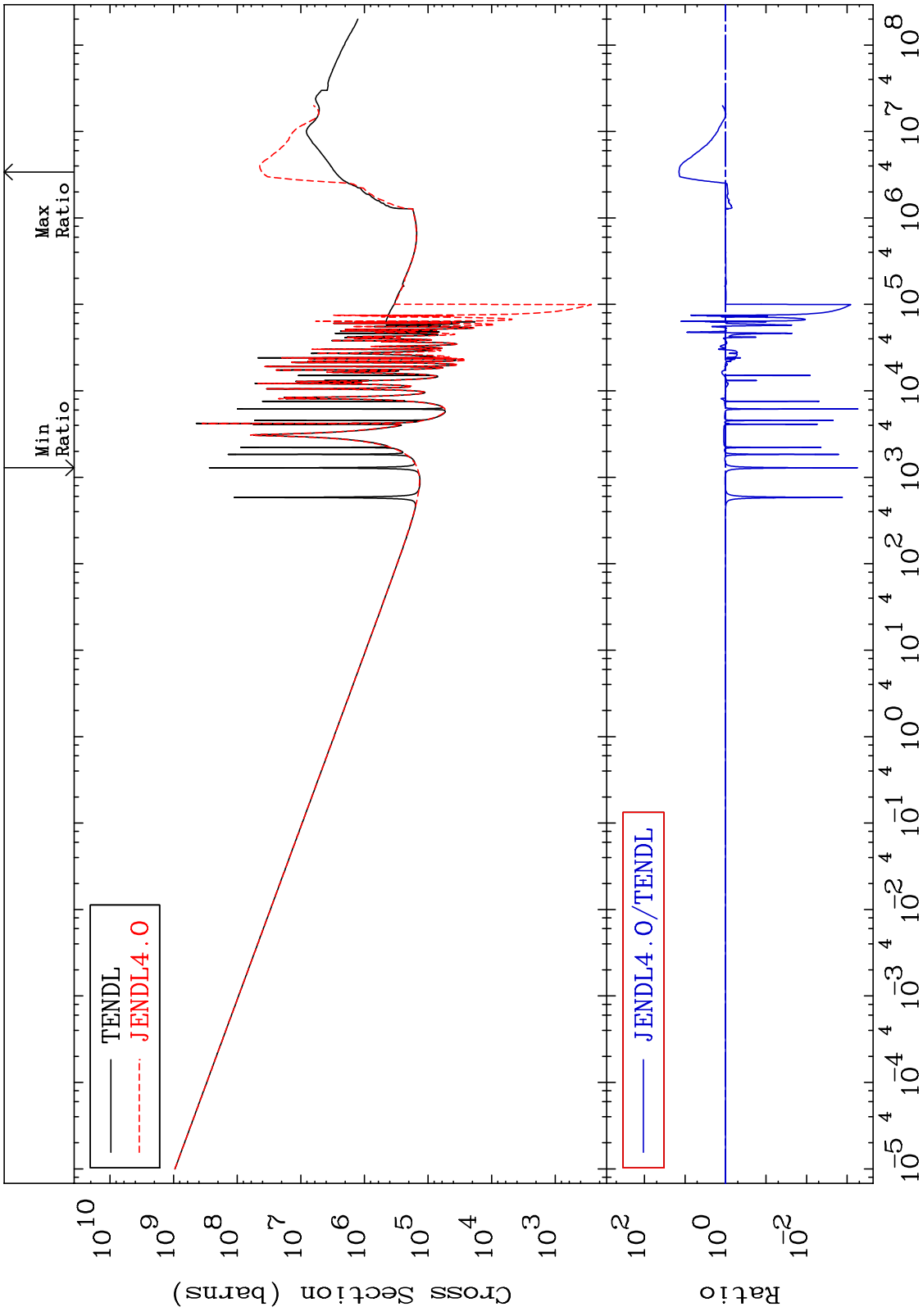
Incident Energy (eV)

22-Ti-47

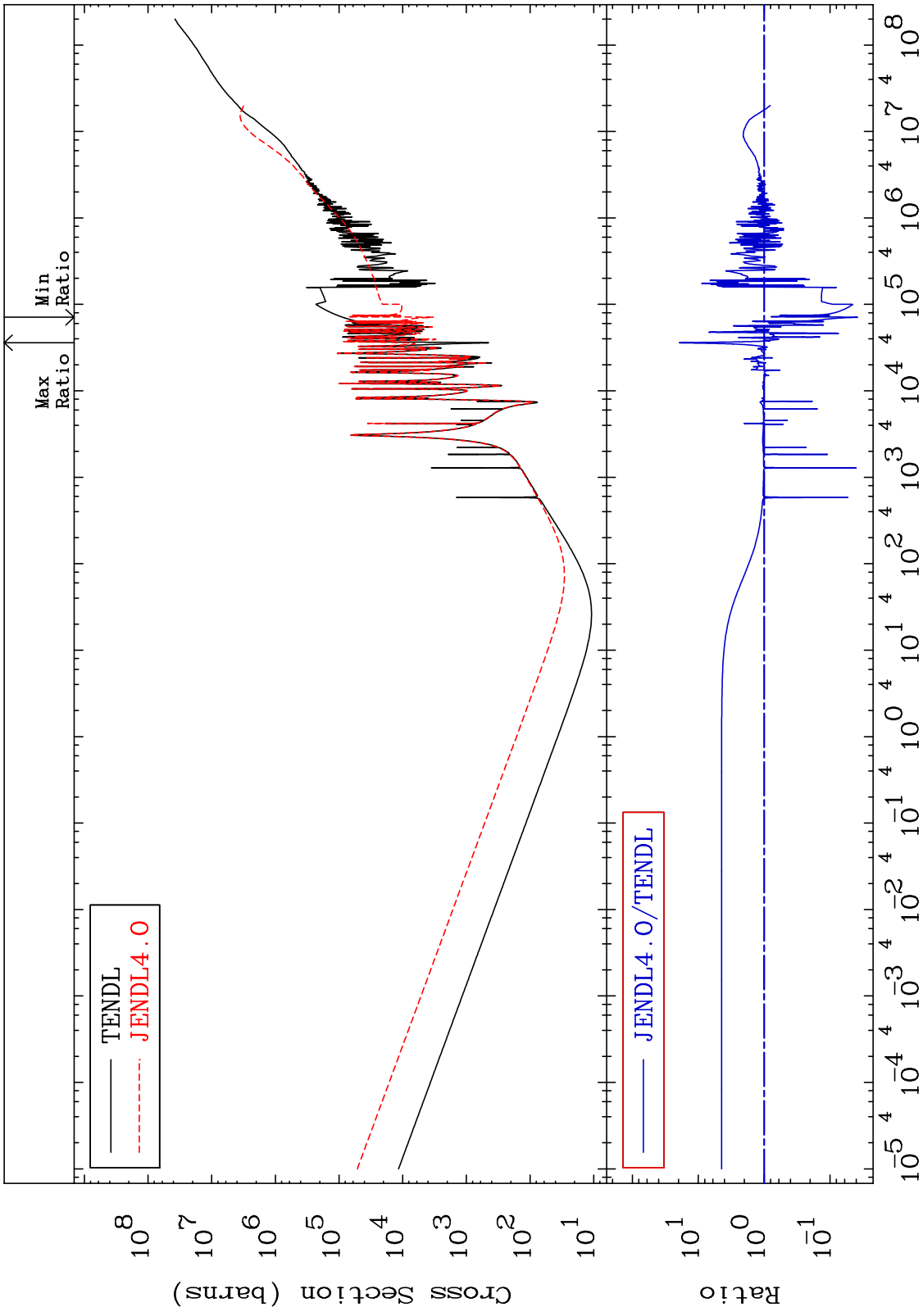
MAT 2228      Kerma capture (mt102)      22-Ti-47  
 Cross Section      -99.75 To 9999. %



MAT 2228 Total photon (eV-barns) Cross Section 22-Ti-47  
 -99.95 To 1306. %



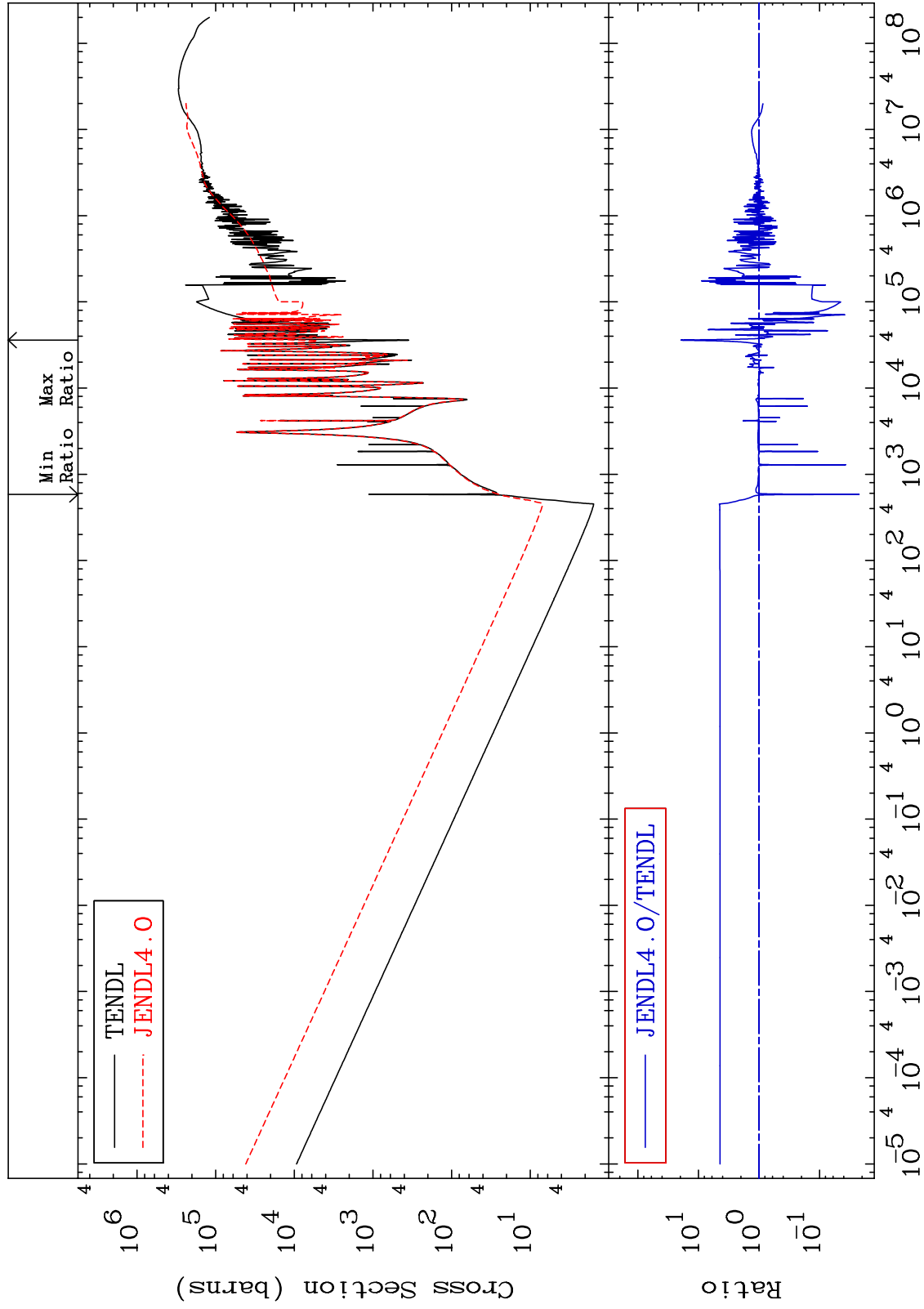
MAT 2228      Total kinematic kerma (high limit)      22-Ti-47  
 Cross Section      -96.22 To 1859. %



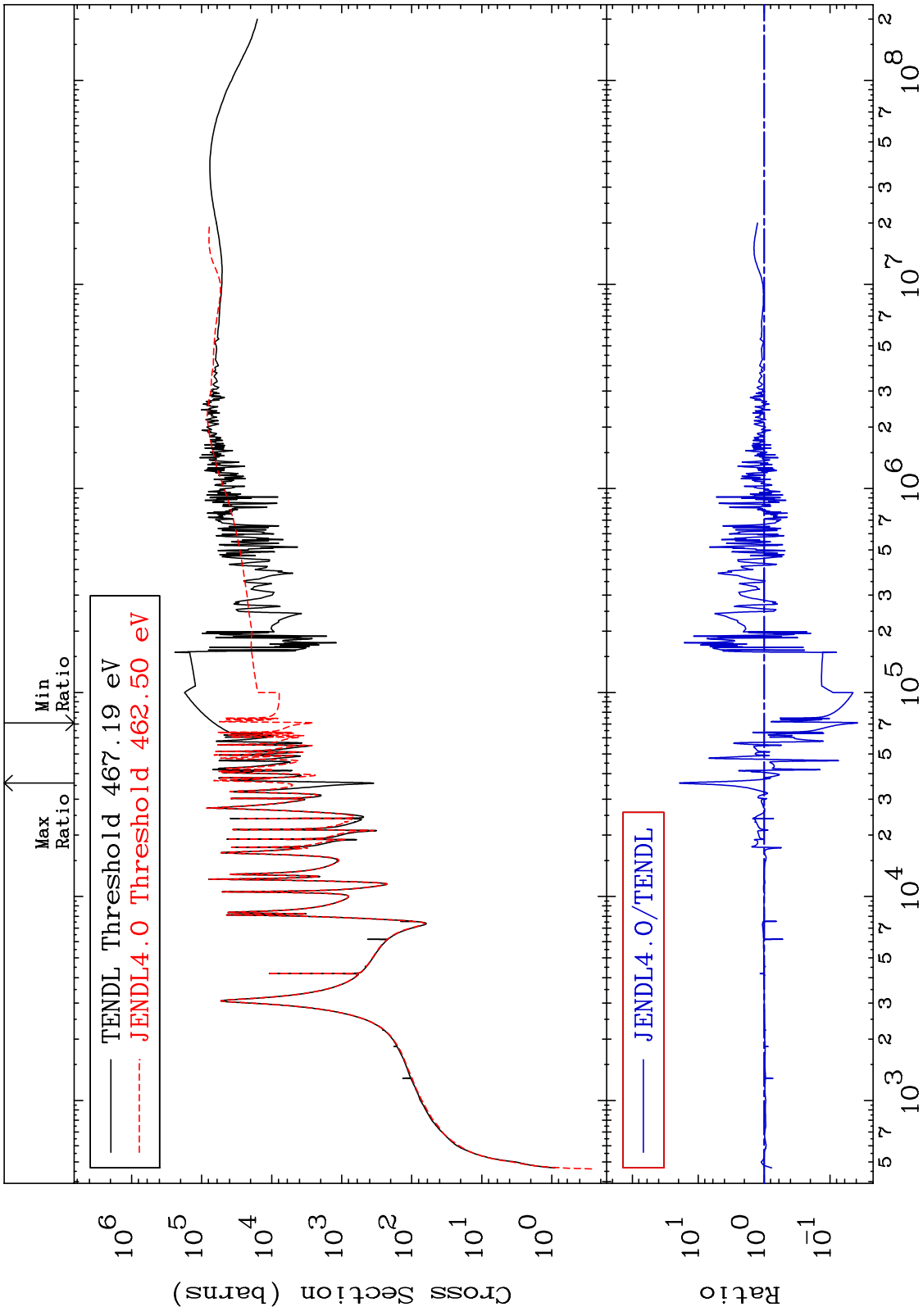
MAT 2228

Dpa total (eV-barns)  
Cross Section

22-Ti-47  
-97.77 To 1858. %

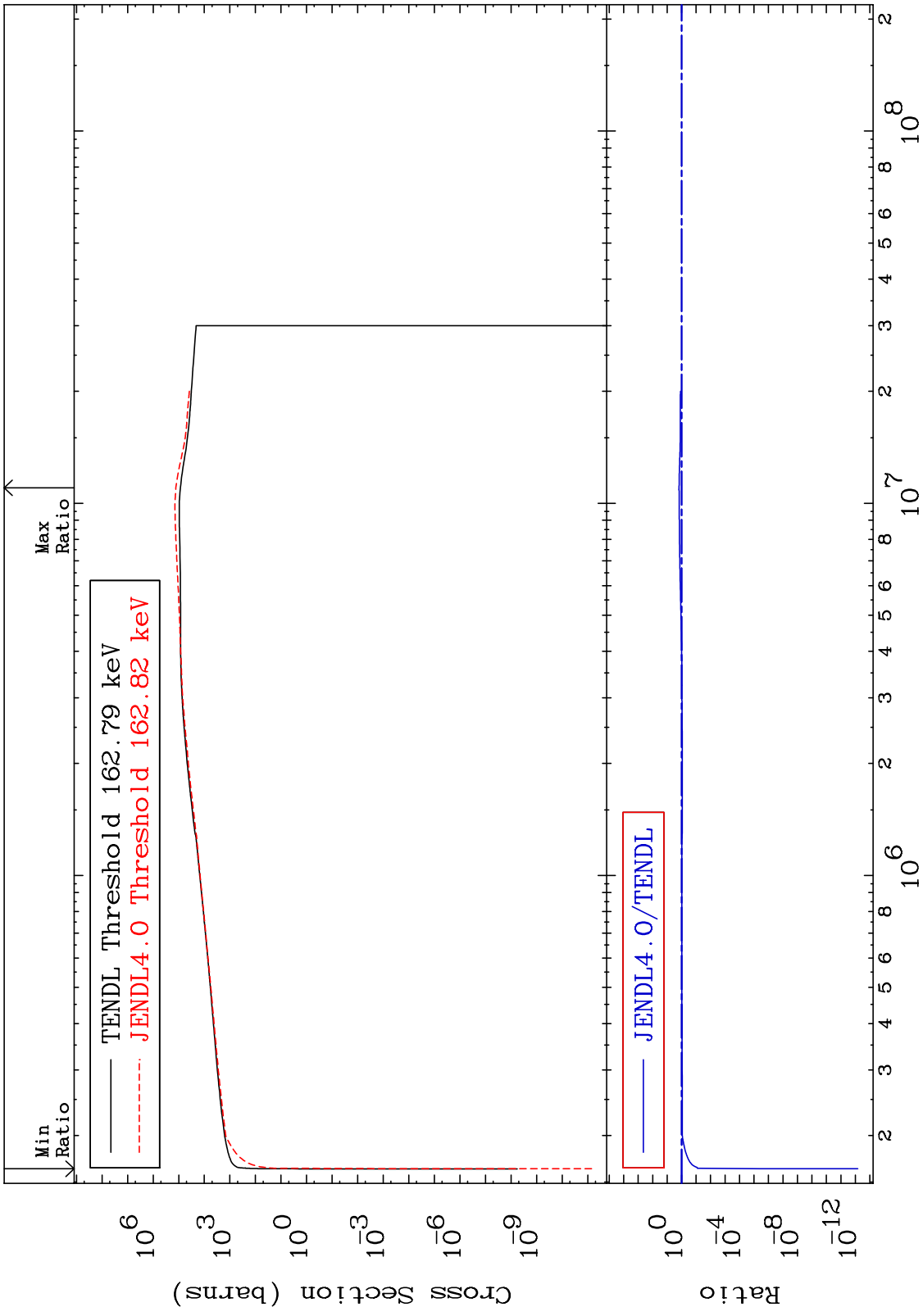


MAT 2228 22-Ti-47  
 Dpa elastic (mt2) -96.20 To 1861. %  
 Cross Section



45 22-Ti-47

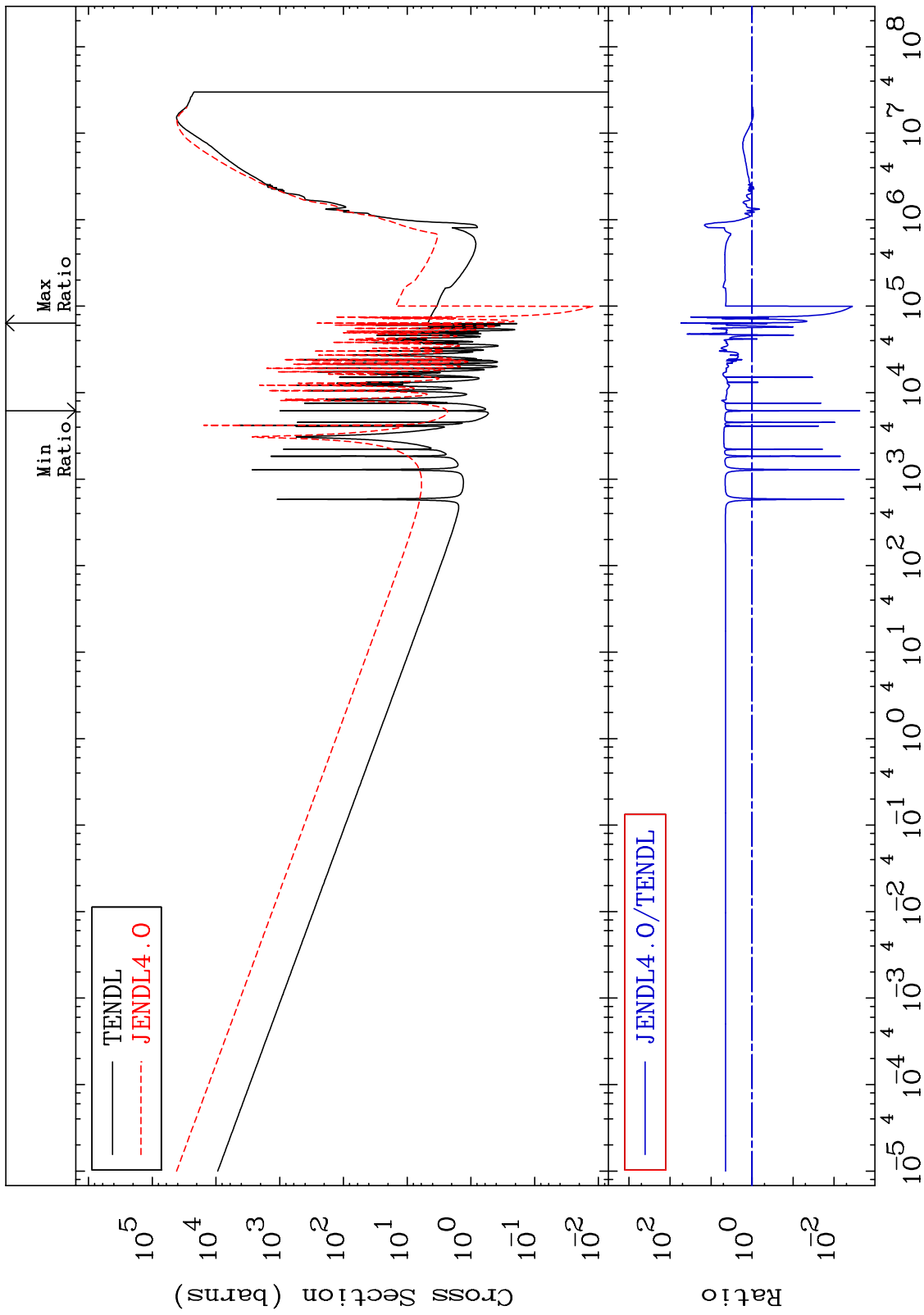
MAT 2228      Dpa inelastic (mt51-91)      22-Ti-47  
 Cross Section      -100.0 To 50.36 %



MAT 2228

Dpa disappearance (mt102 -120)  
Cross Section

22-Ti-47  
-99.76 To 5364. %





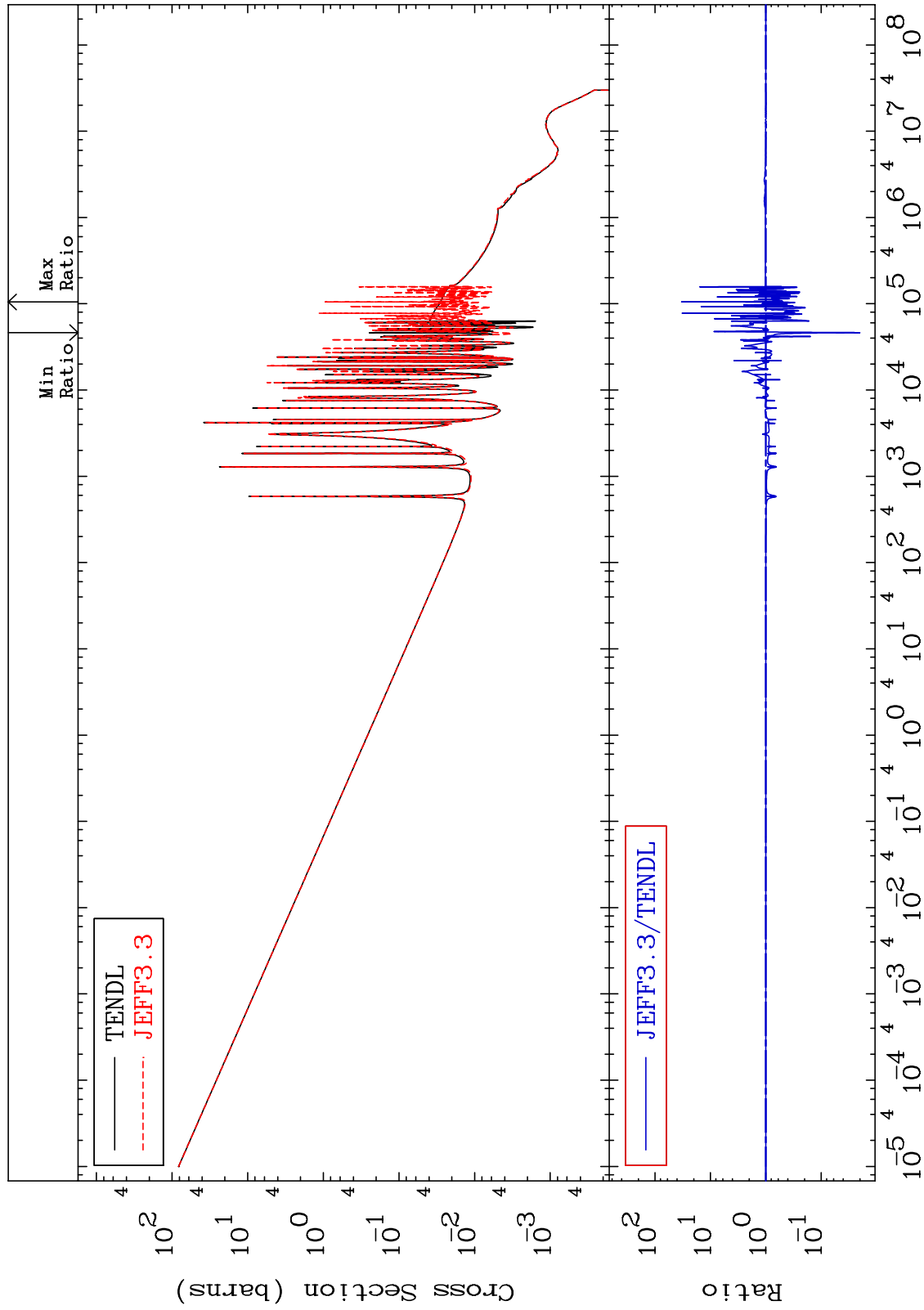
MAT 2228

(n,  $\gamma$ )

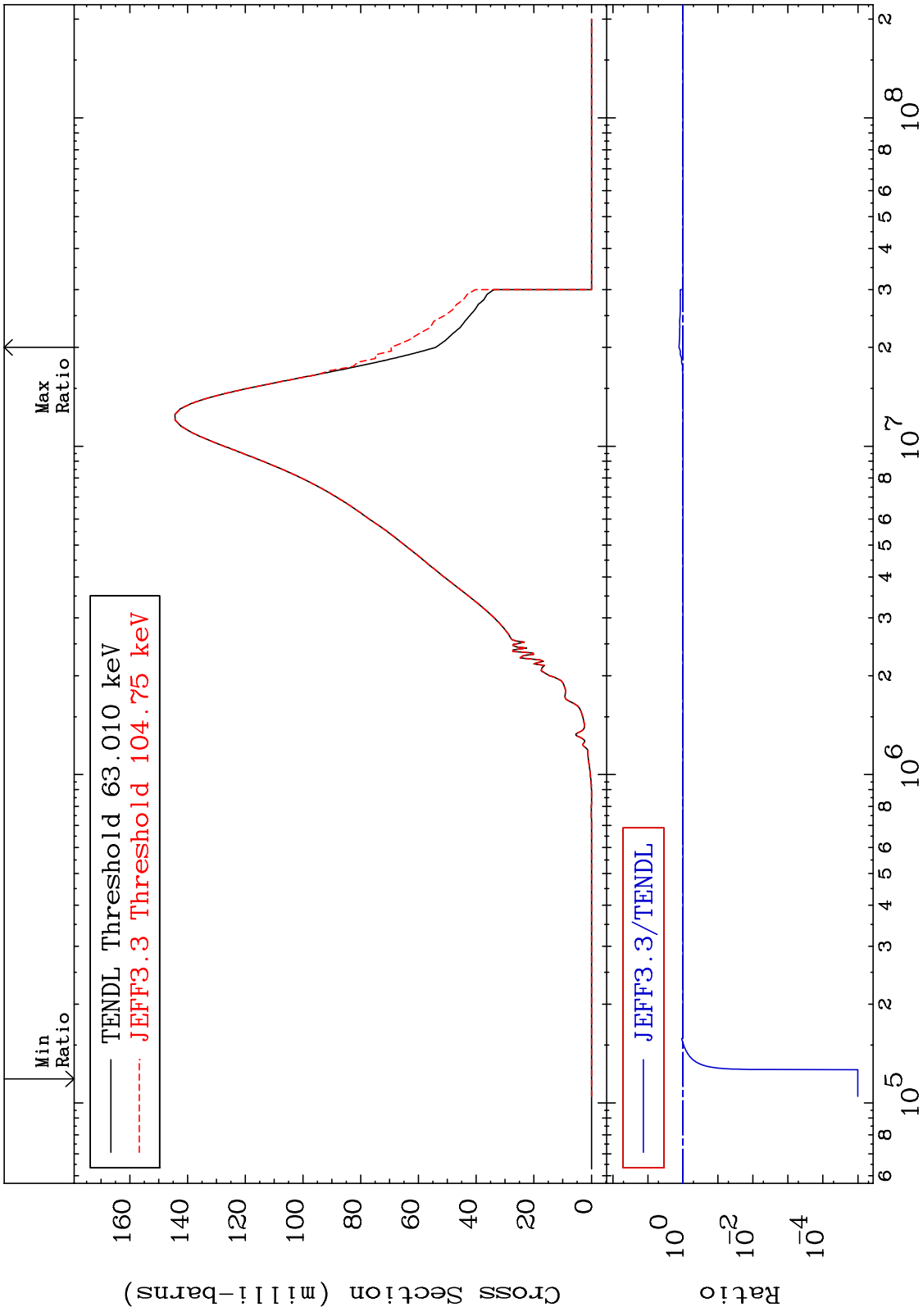
22-Ti-47

Cross Section

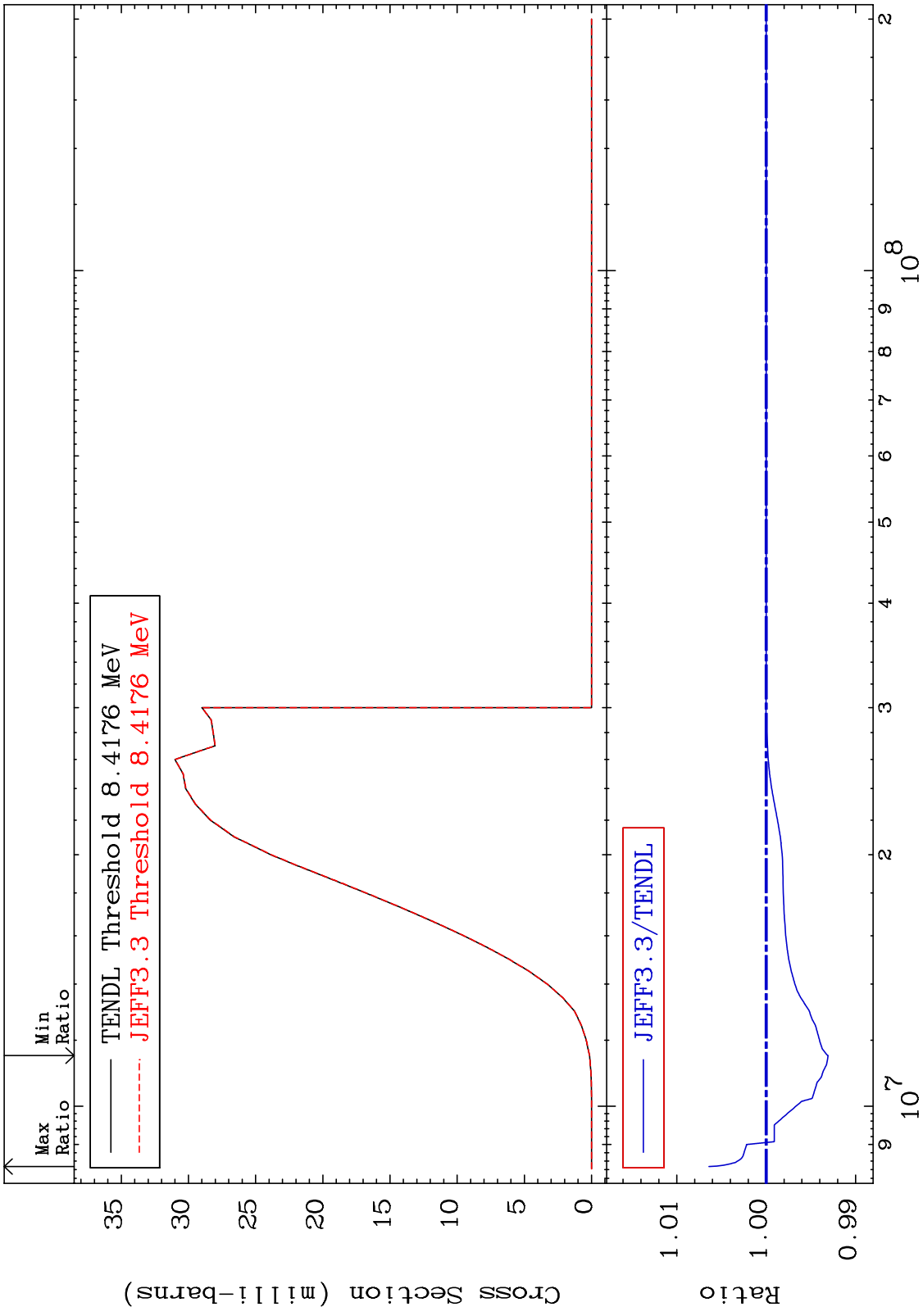
-97.99 To 3236. %



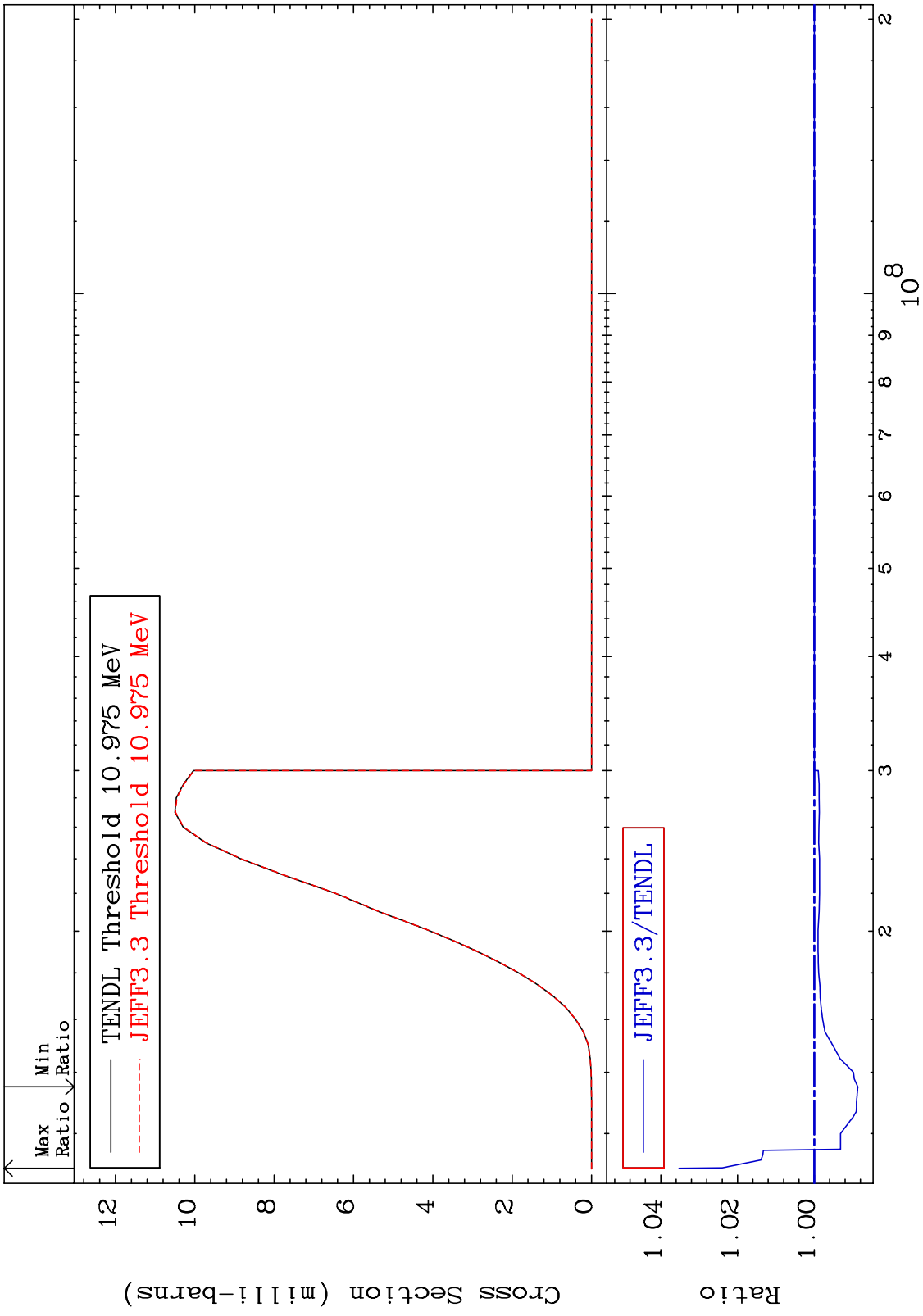
MAT 2228 (n,p) Cross Section 22-Ti-47 -100.0 To 28.61 %

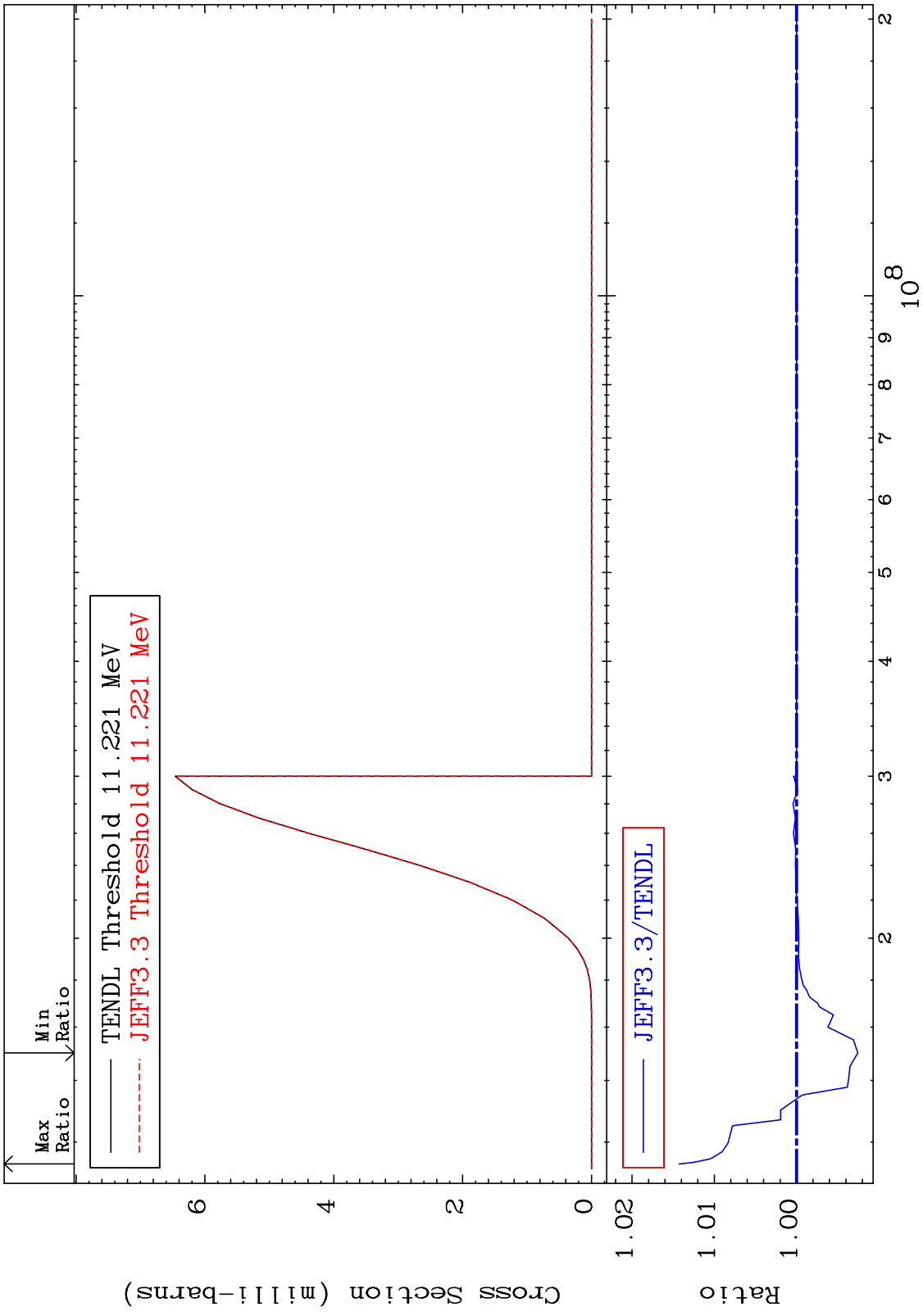


MAT 2228 (n,d) 22-Ti-47  
Cross Section -0.691 To 0.640 %

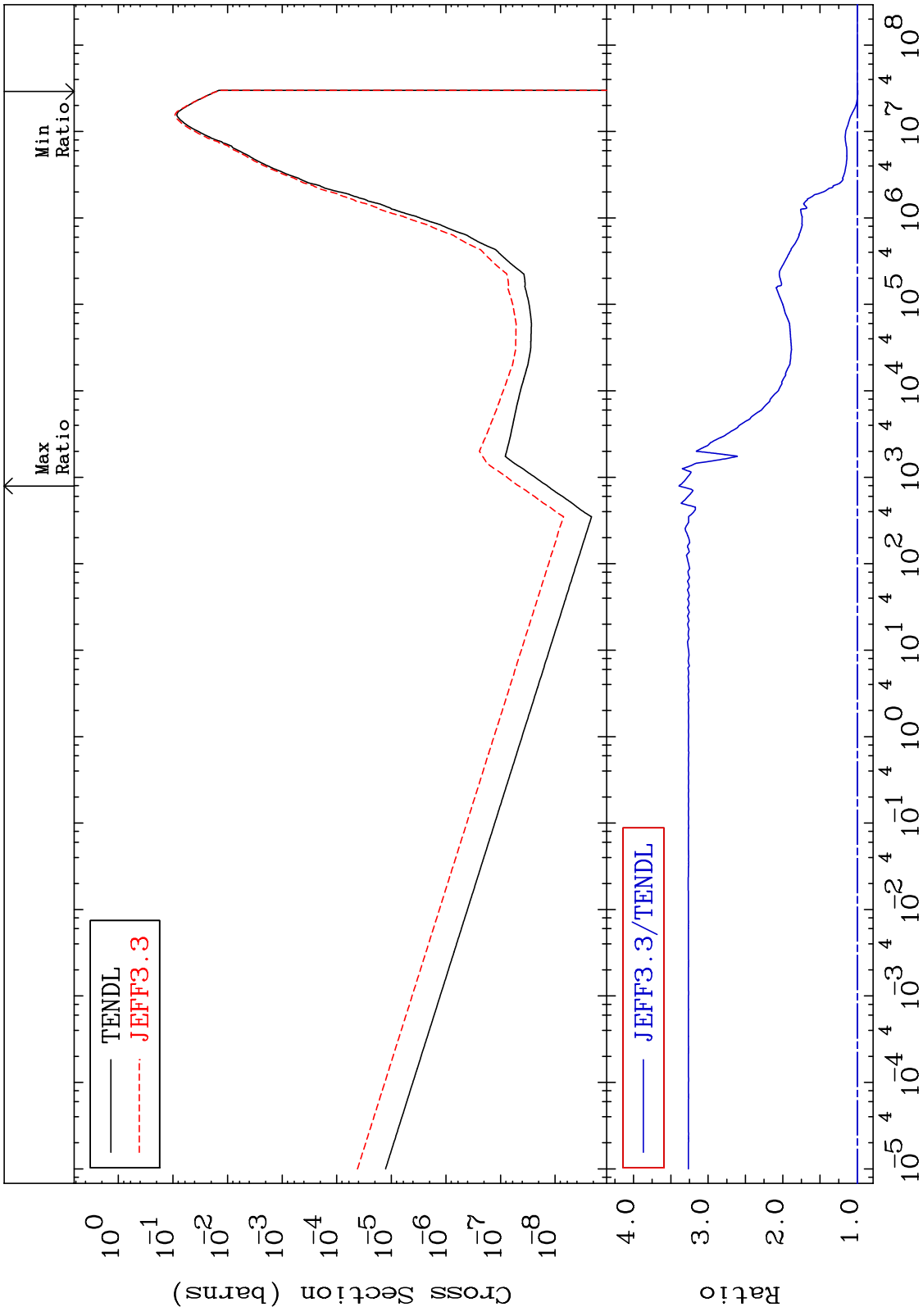


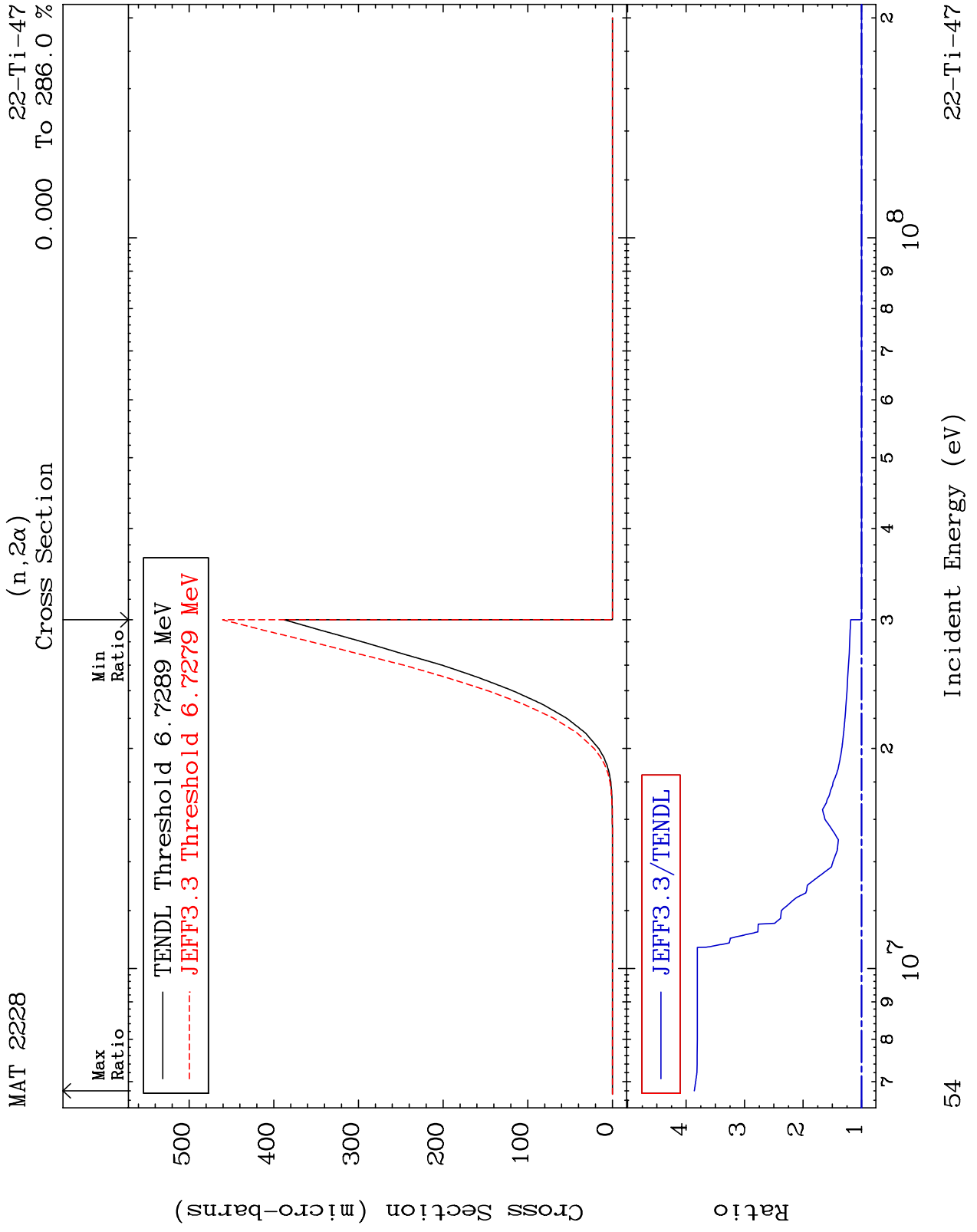
50 22-Ti-47



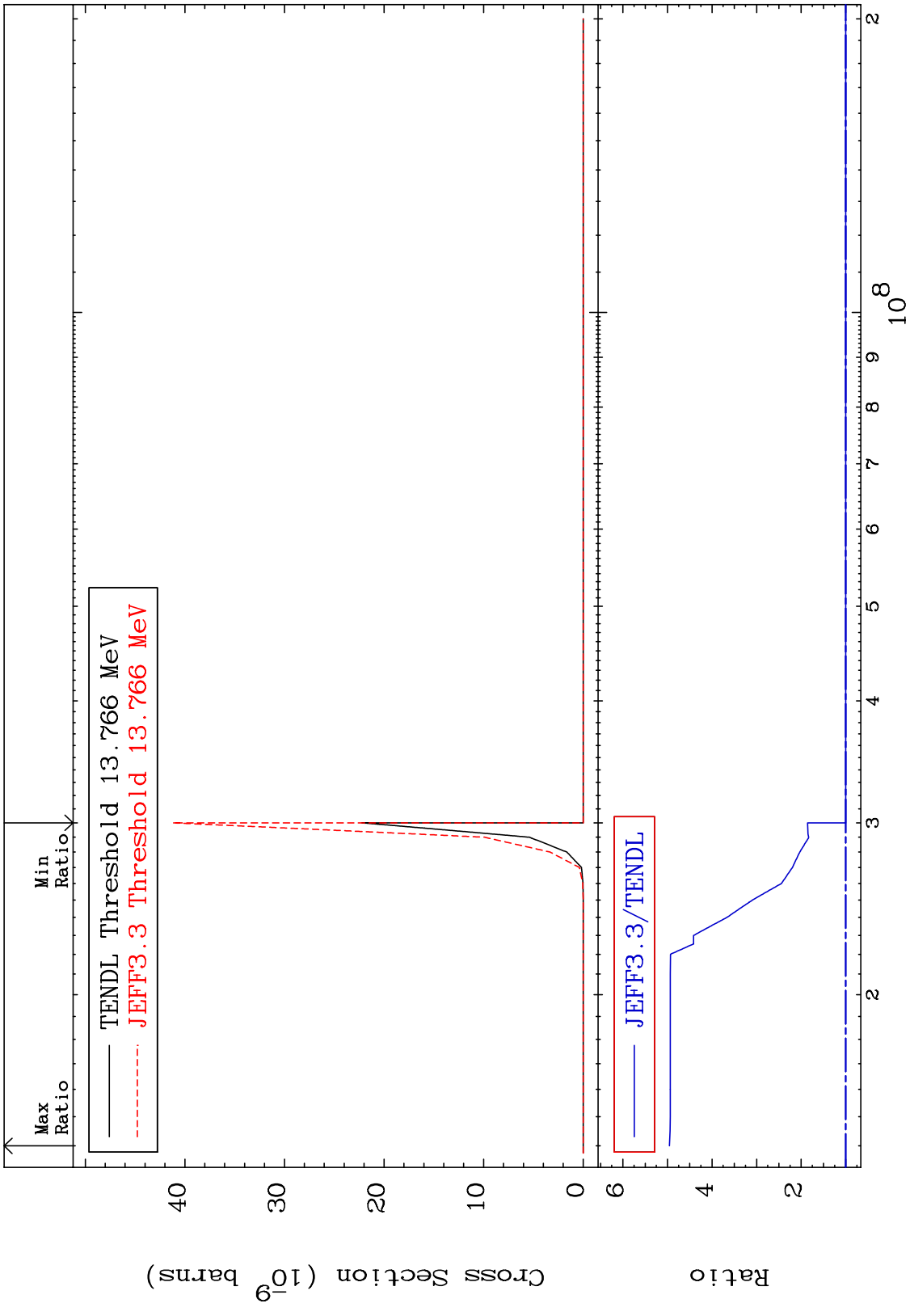


MAT 2228  $(n, \alpha)$  Cross Section  $^{22}\text{Ti-47}$  -0.644 To 239.0 %



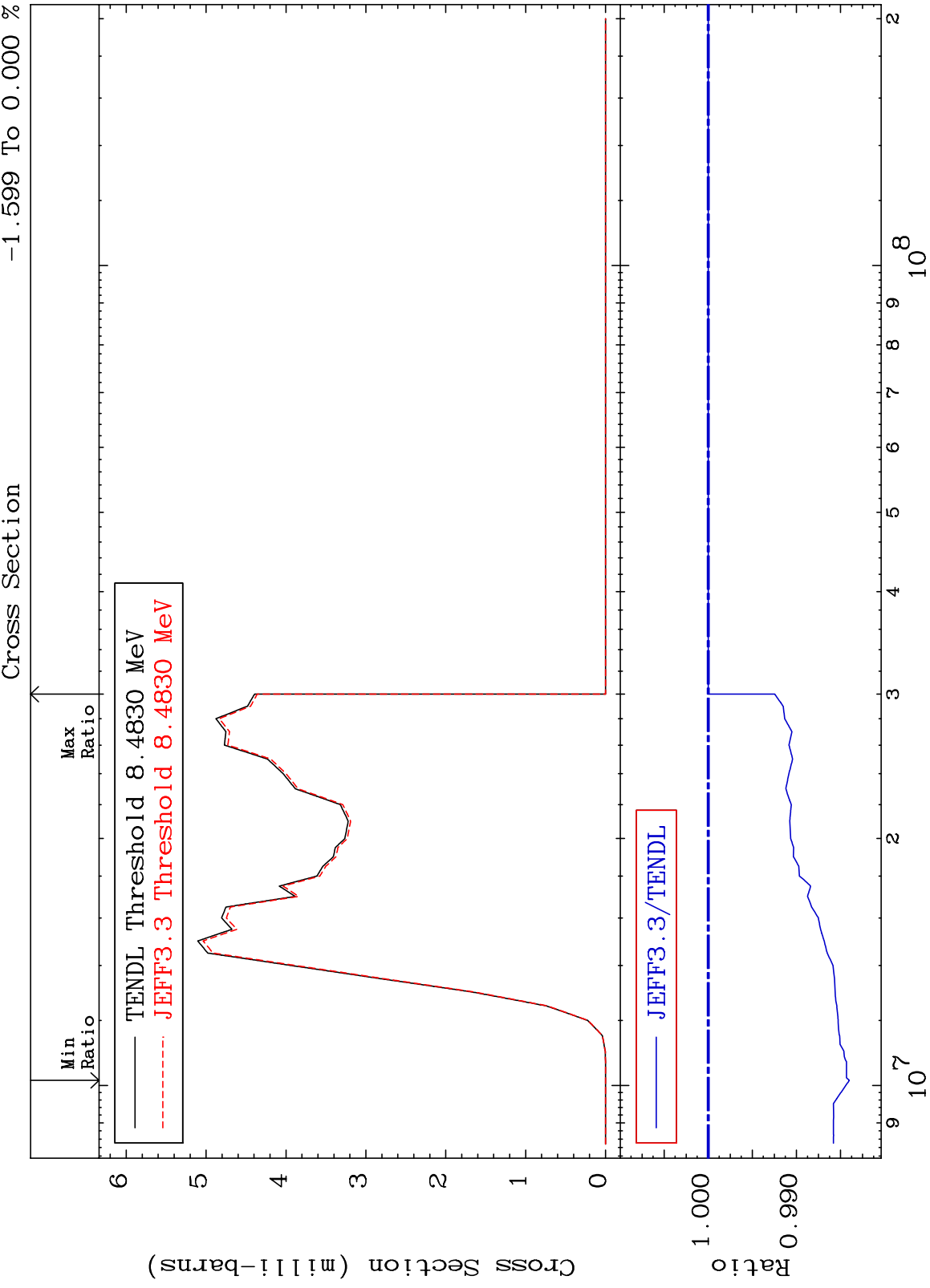


MAT 2228  $(n, 3\alpha)$  Cross Section 22-Ti-47 To 395.5 %

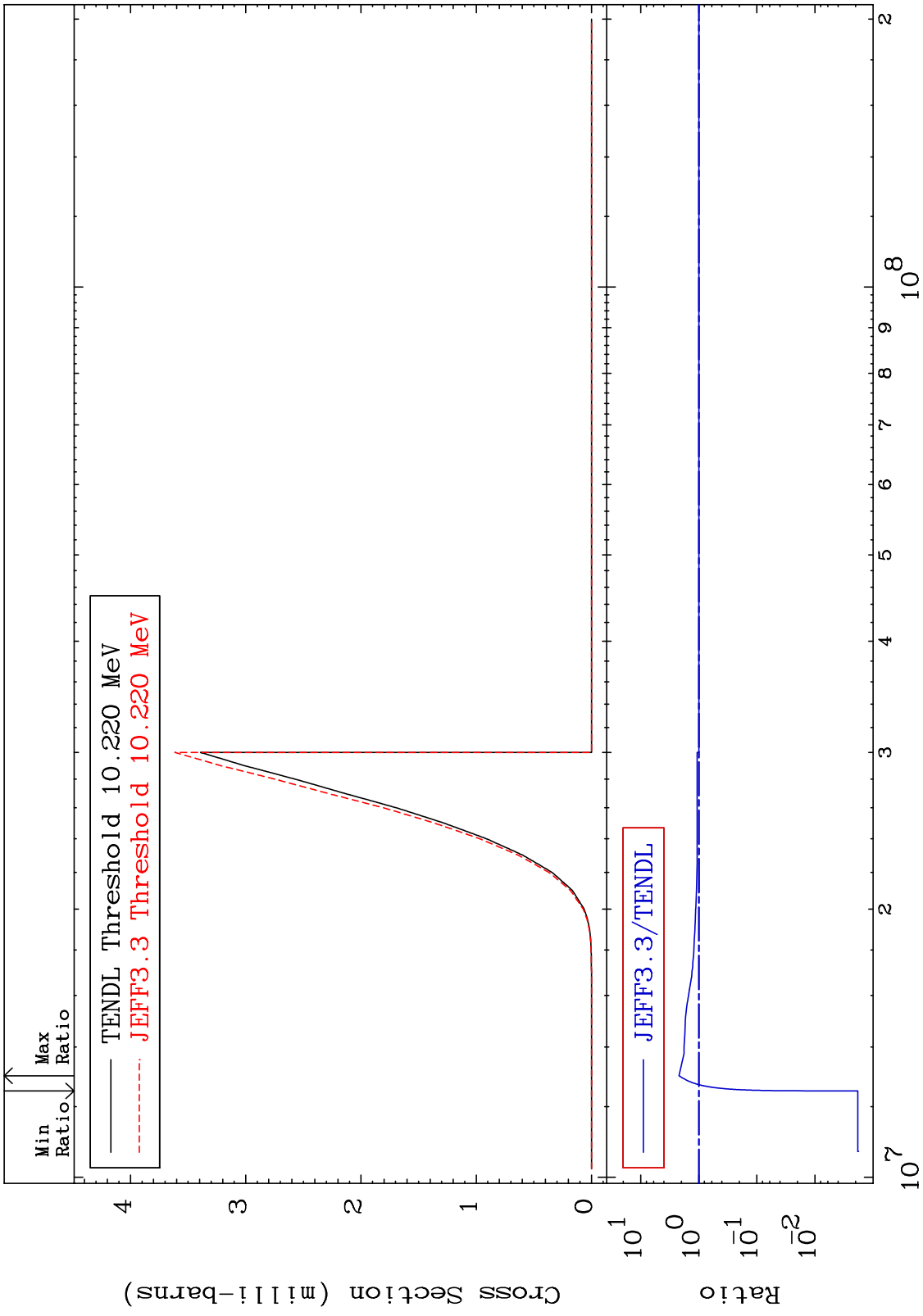




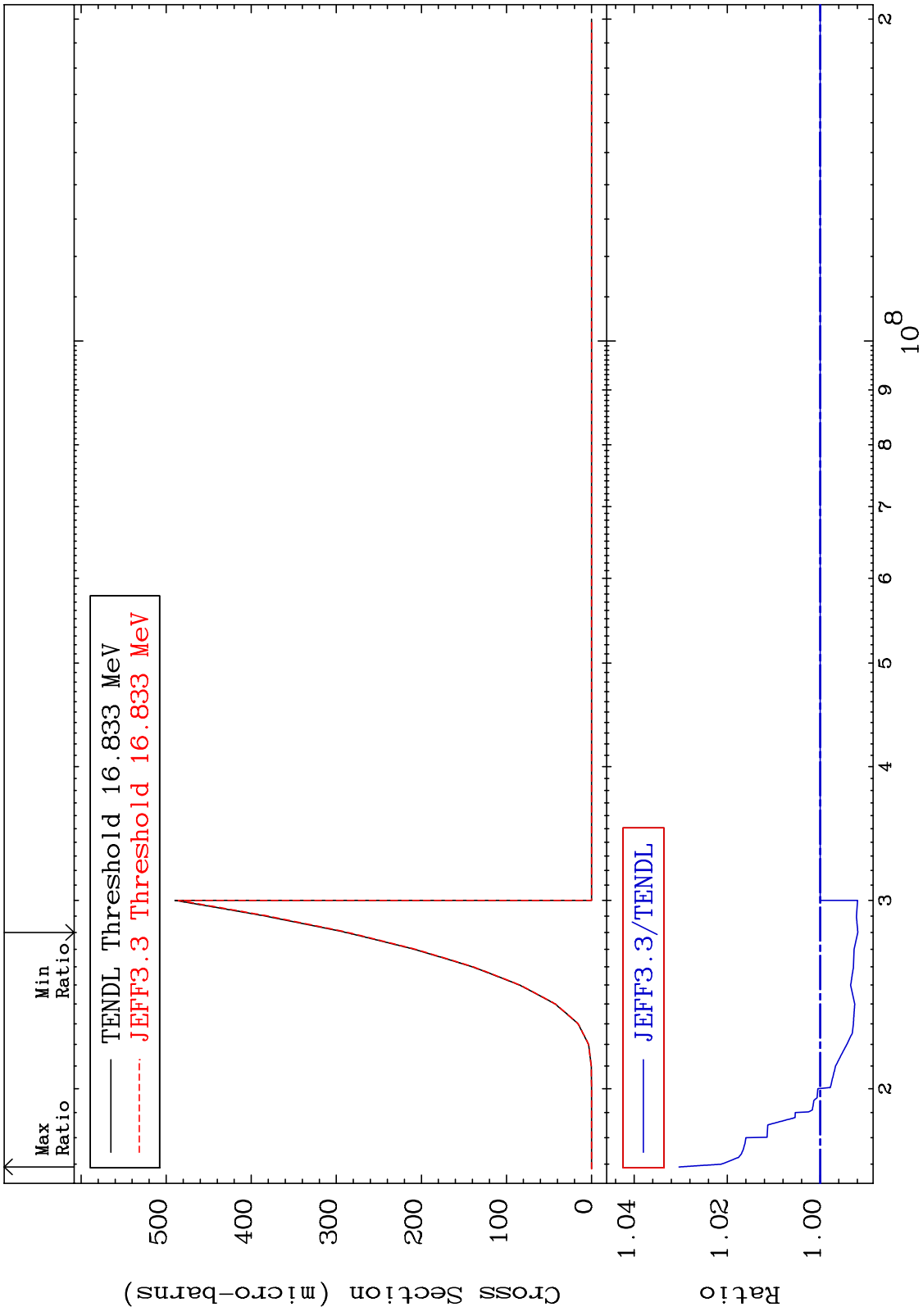
MAT 2228 (n,2p) 22-Ti-47 -1.599 To 0.000 %

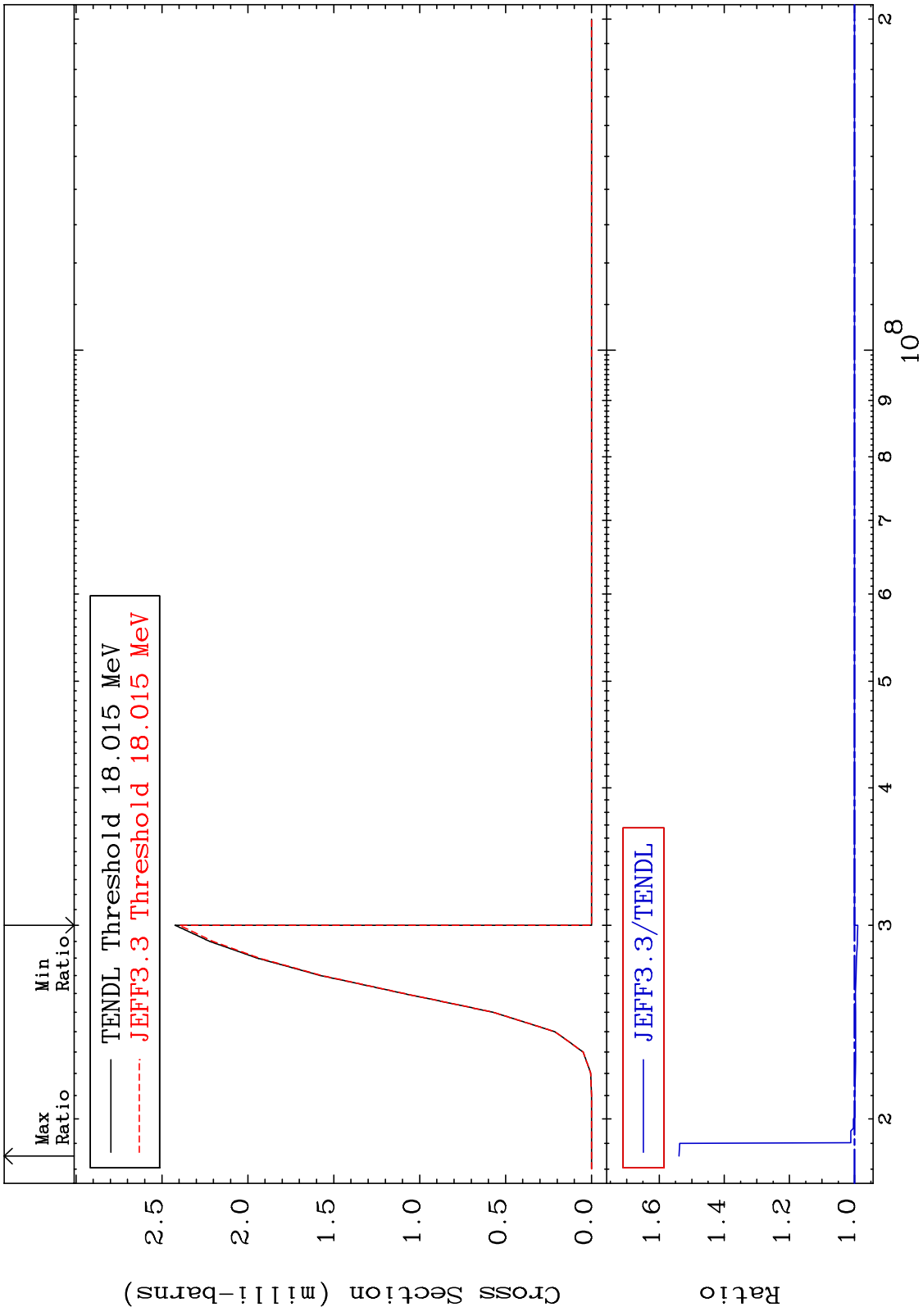


MAT 2228 (n,p)  $\alpha$  22-Ti-47  
Cross Section -99.82 To 118.6 %

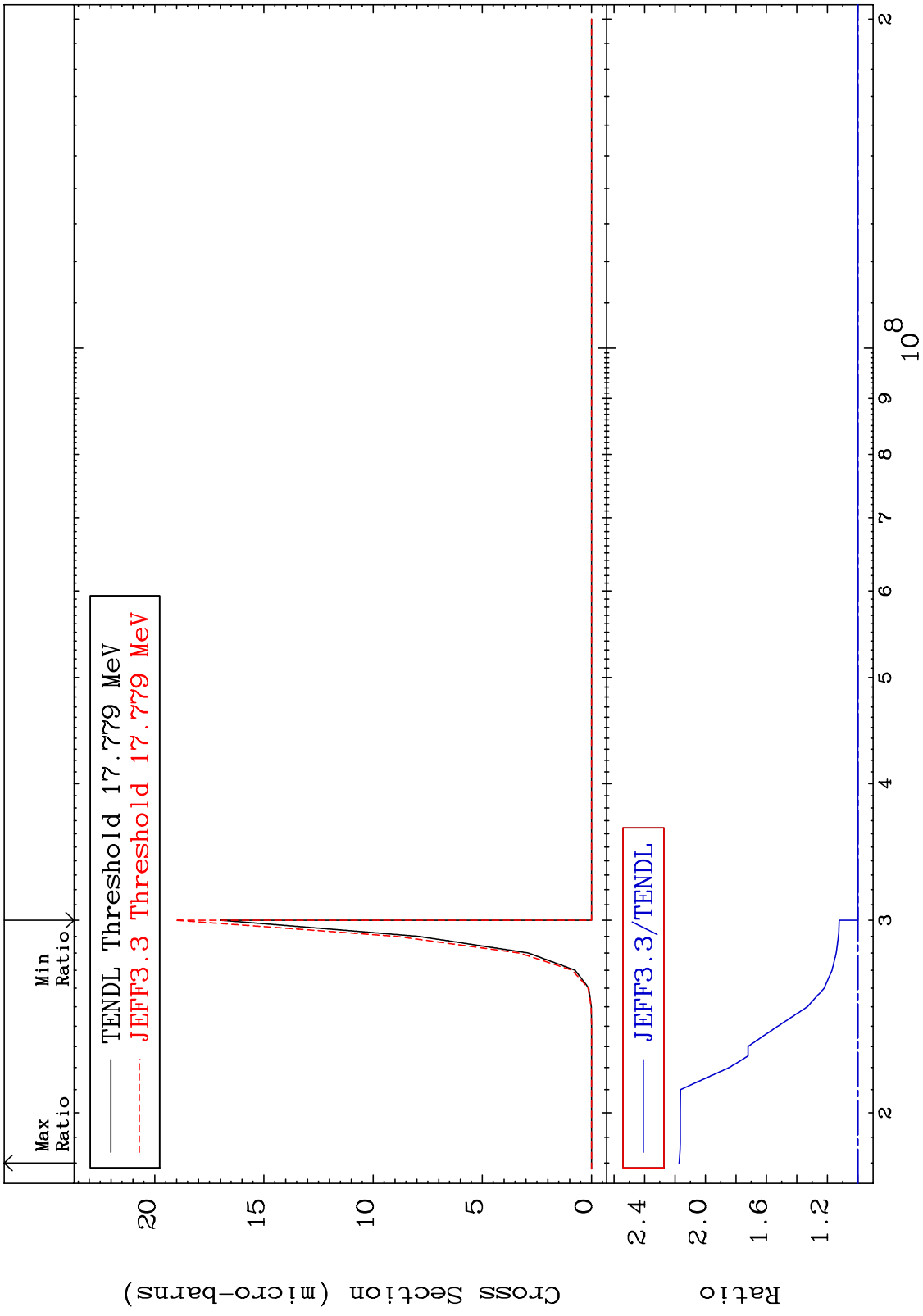


MAT 2228 (n,p) d 22-Ti-47  
 Cross Section -0.810 To 3.035 %





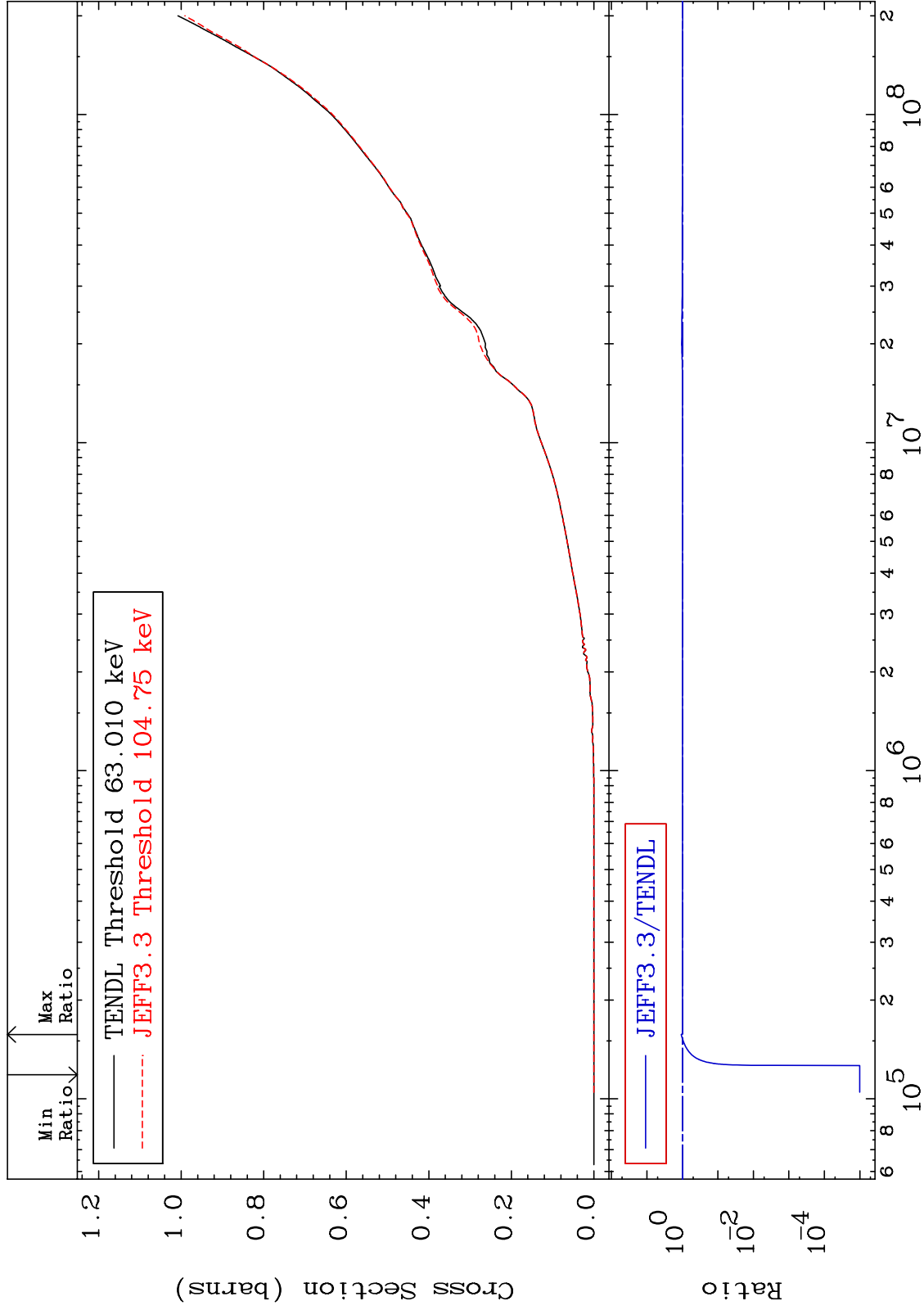
MAT 2228 (n,d)  $\alpha$  22-Ti-47  
 Cross Section 0.000 To 117.4 %



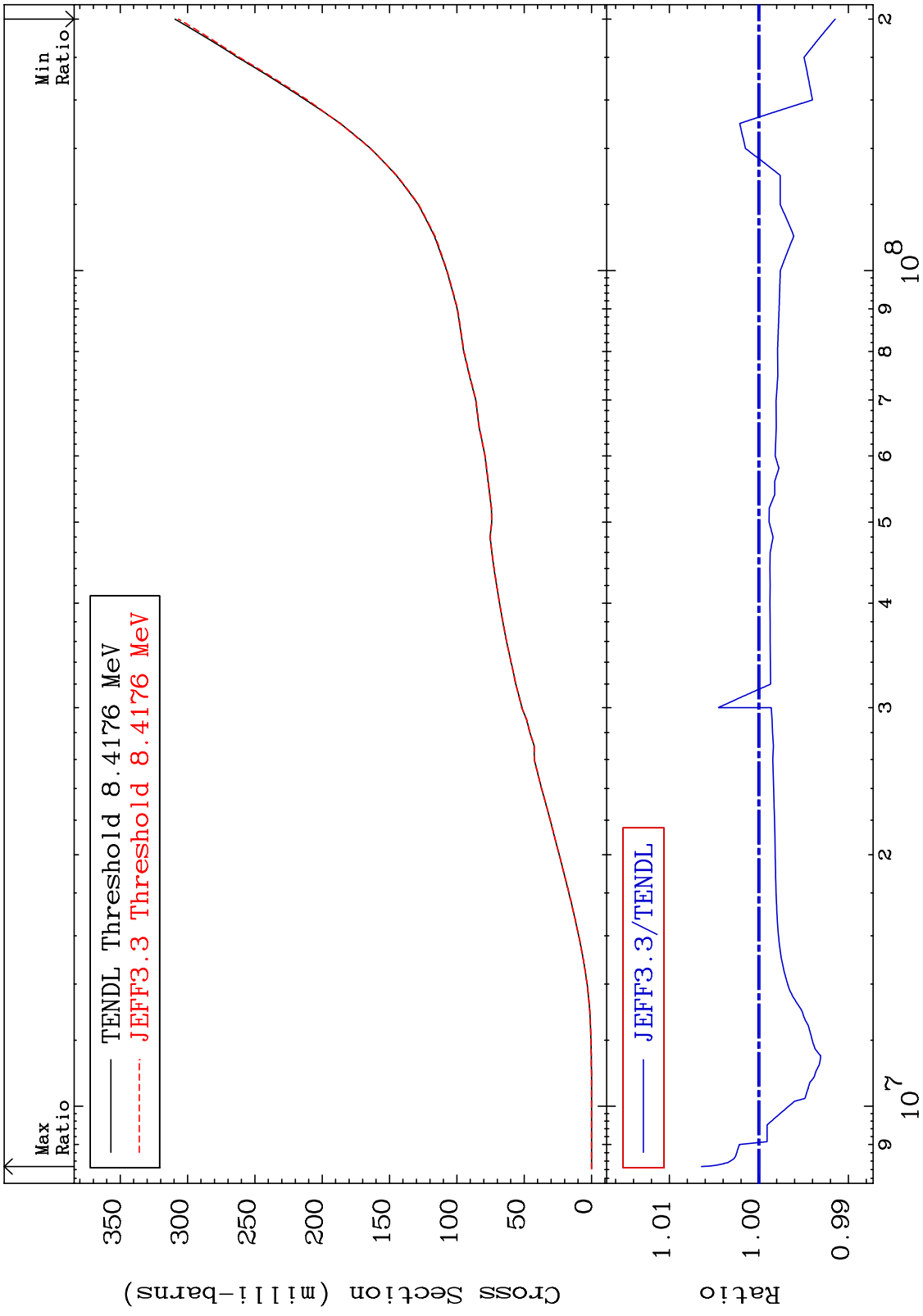
MAT 2228

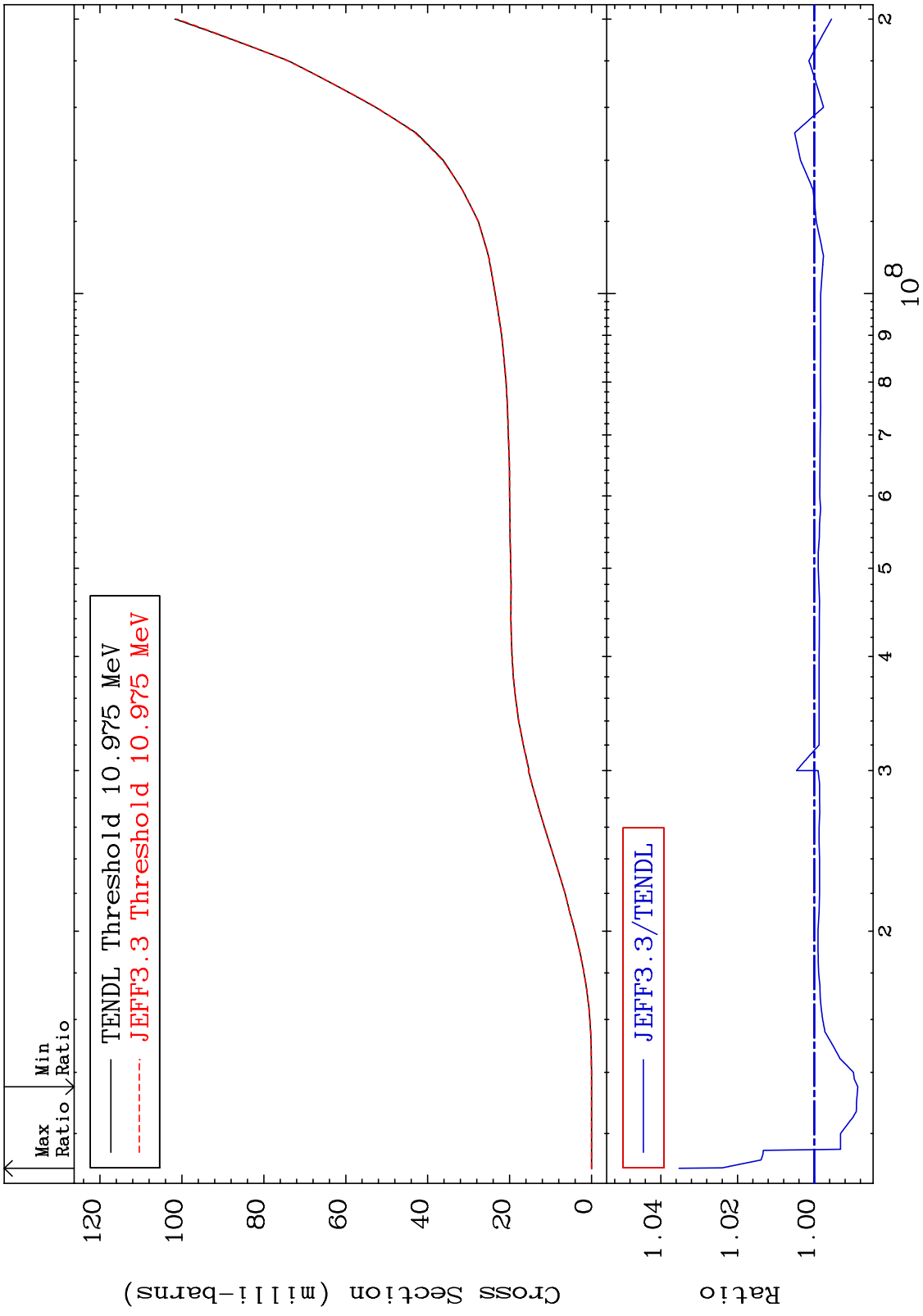
Hydrogen Production  
Cross Section

22-Ti-47  
-100.0 To 7.781 %



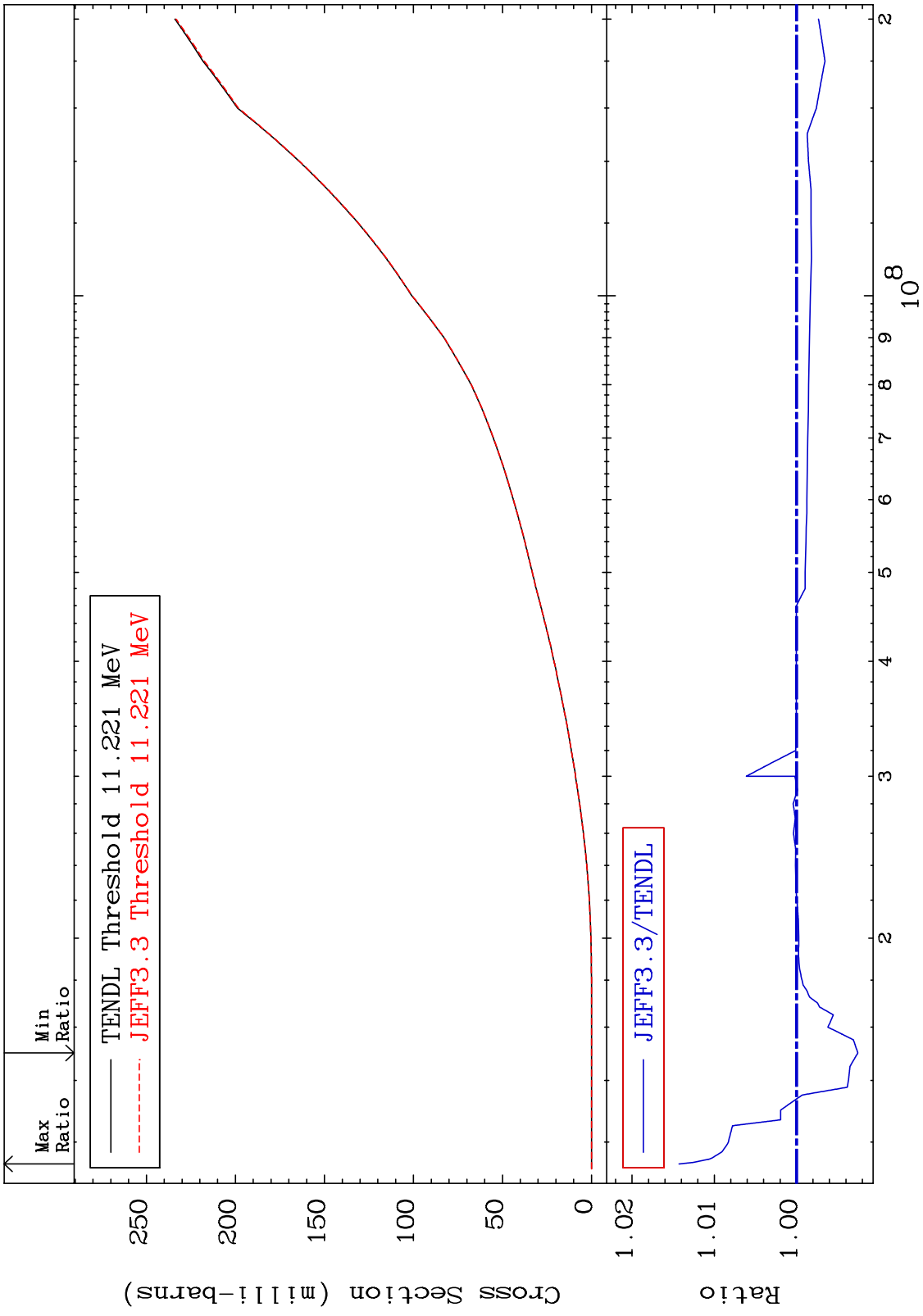
MAT 2228 Deuterium Production Cross Section 22-Ti-47 -0.854 To 0.640 %



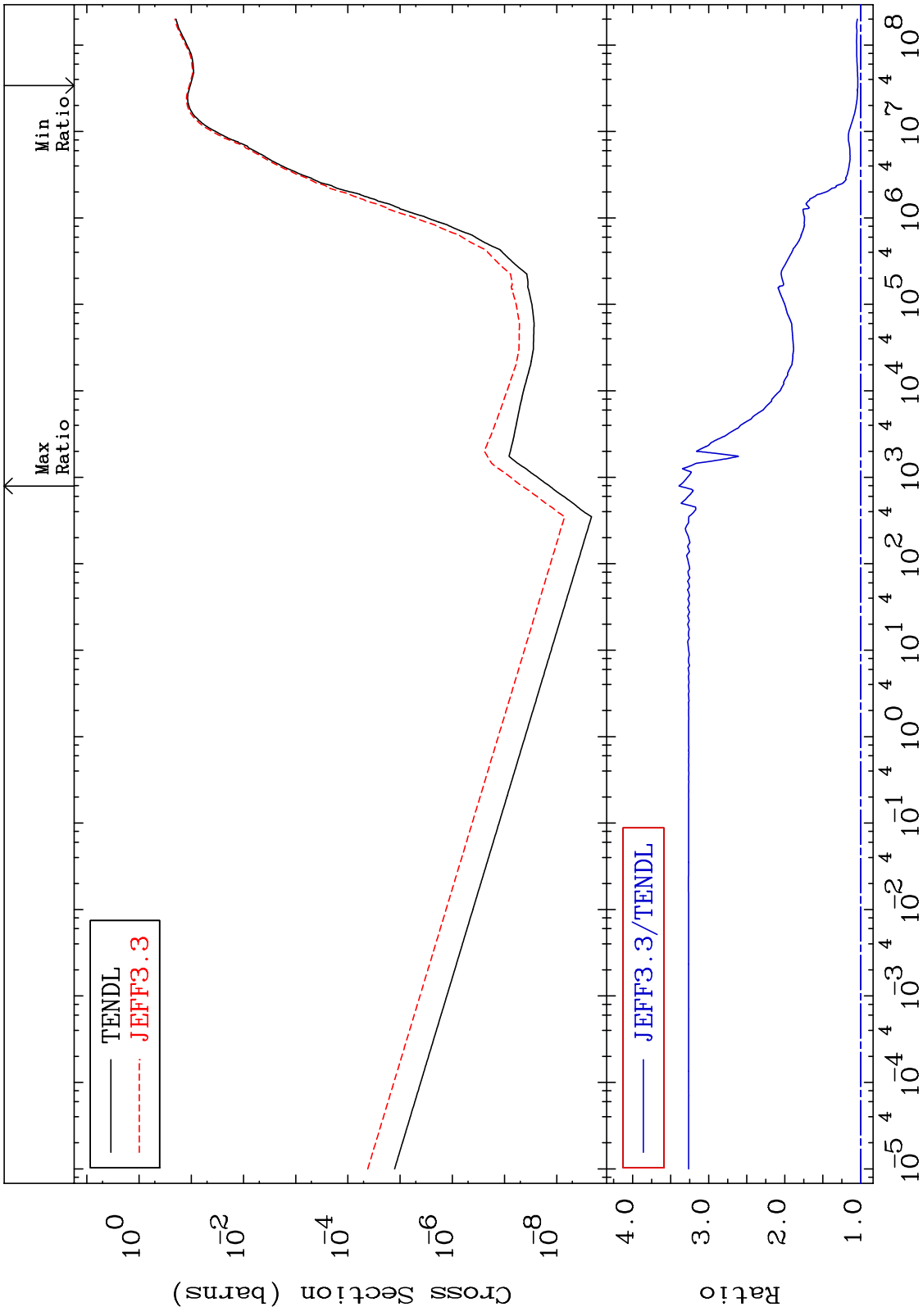




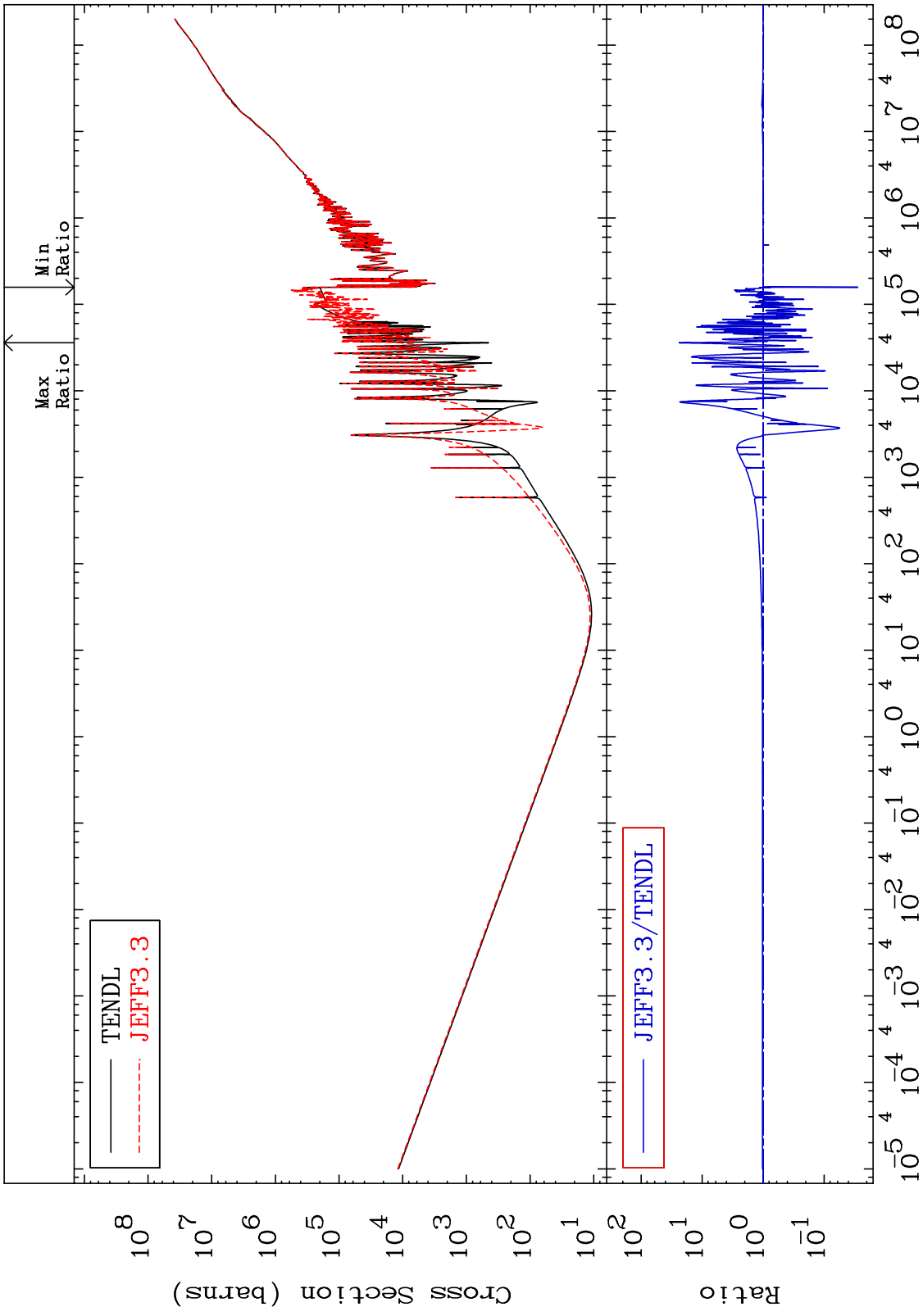
MAT 2228 He-3 Production Cross Section 22-Ti-47  
 -0.745 To 1.429 %



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



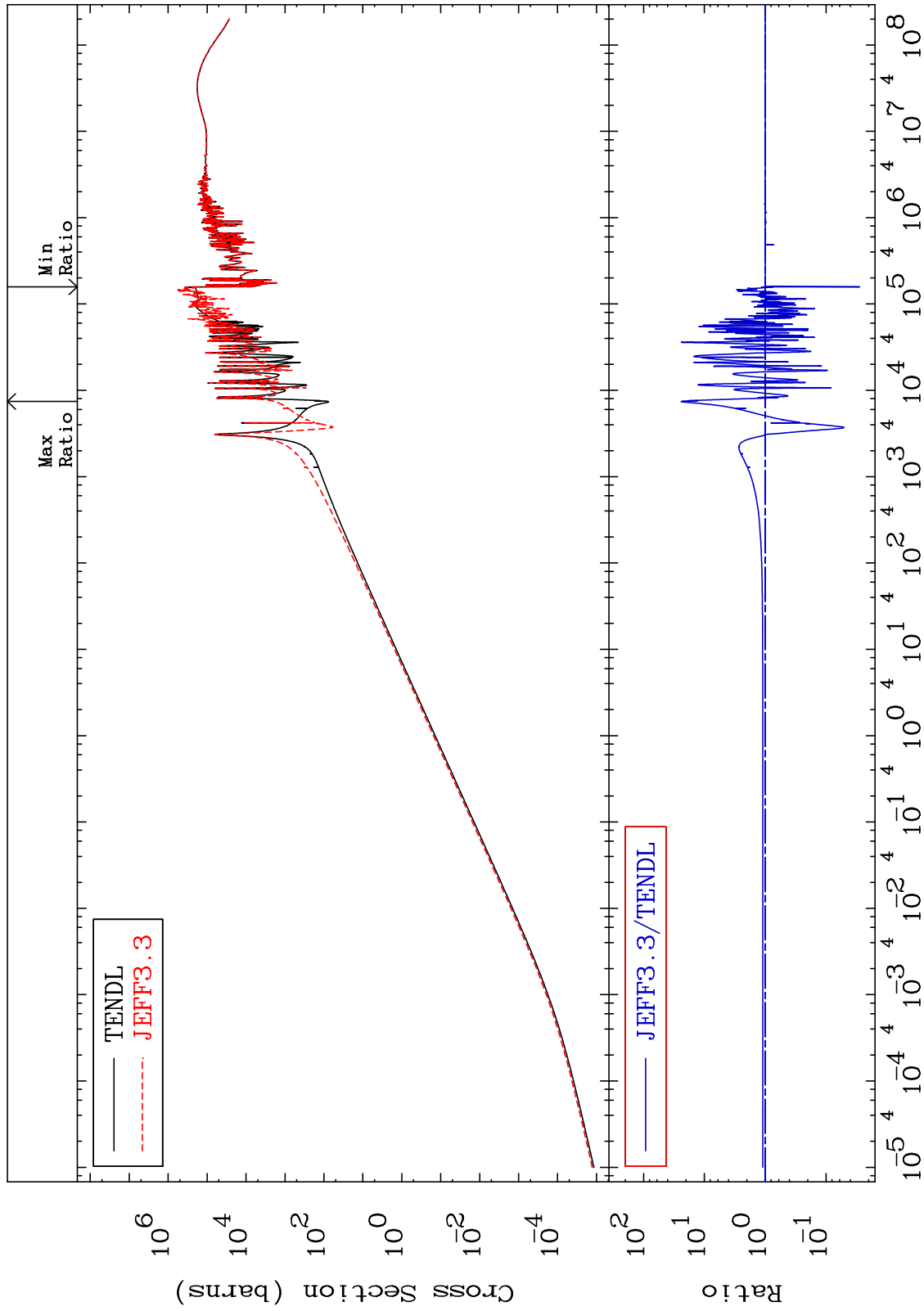
MAT 2228 Kerma total (eV-barns) Cross Section 22-Ti-47 -97.20 To 2287. %



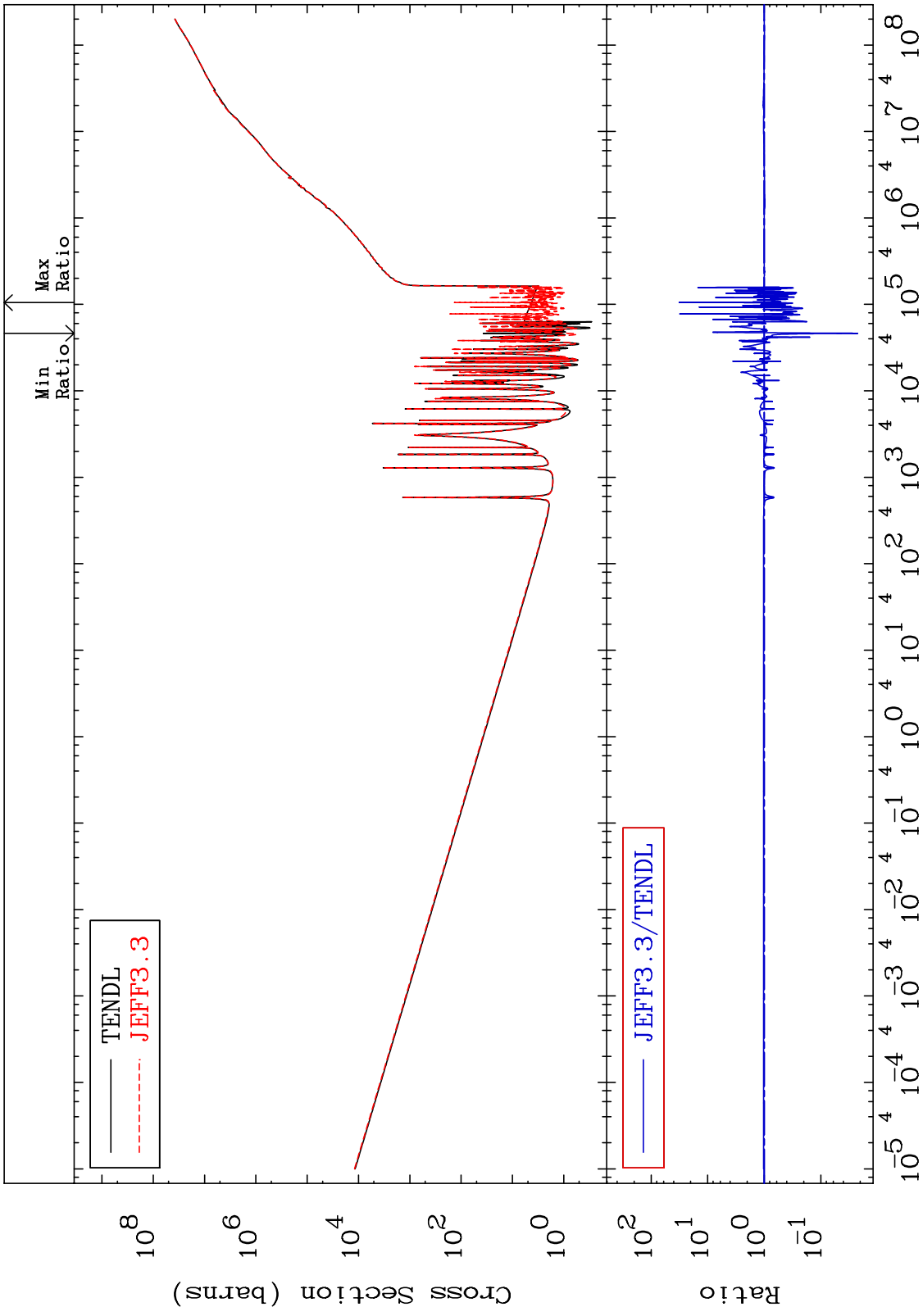
MAT 2228

Kerma elastic  
Cross Section

22-Ti-47  
-97.20 To 2301. %

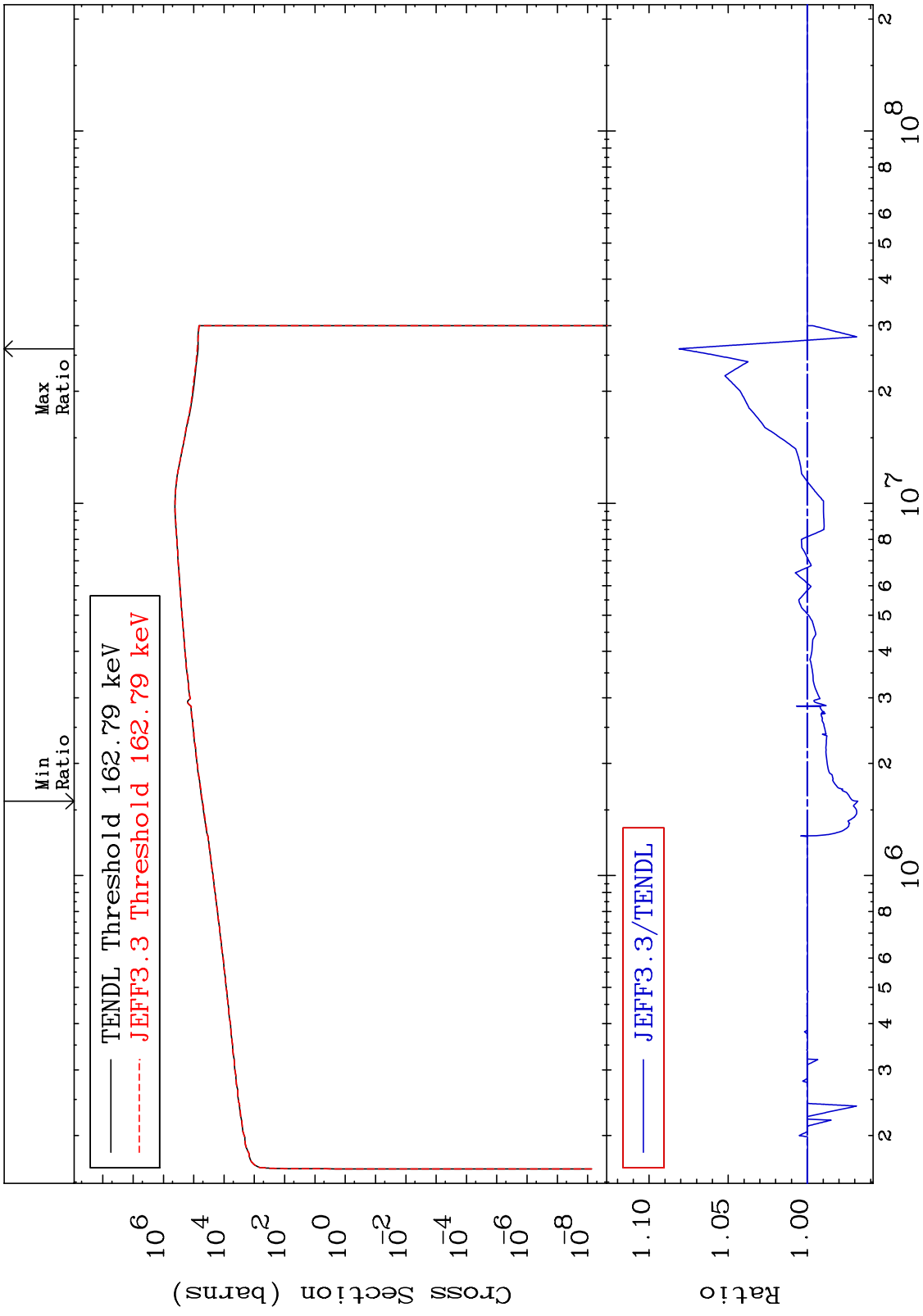


MAT 2228      Kerma non-elastic (all but mt2)      22-Ti-47  
 Cross Section      -97.79 To 3108. %



68      Incident Energy (eV)      22-Ti-47

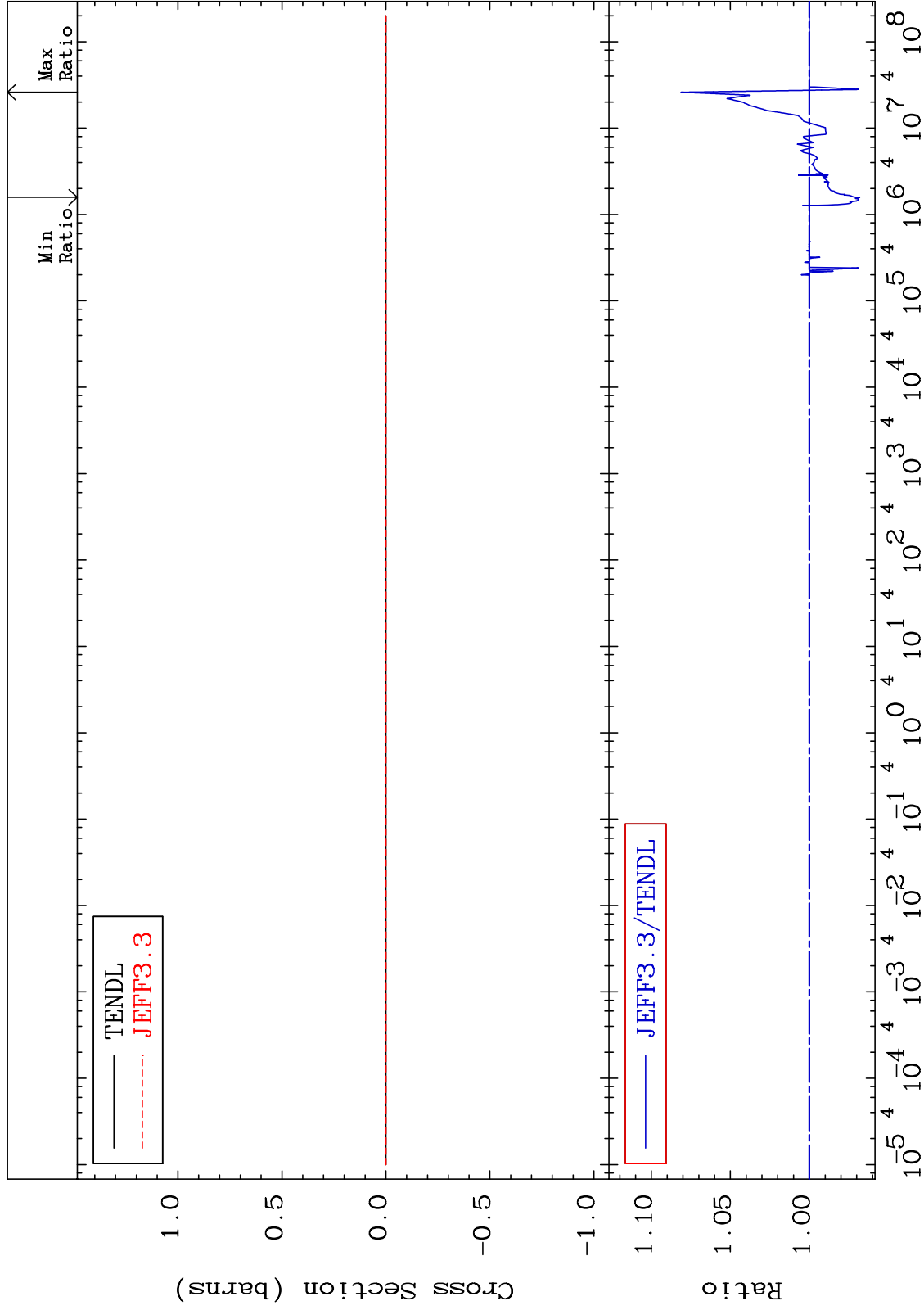
MAT 2228 Kerma inelastic (mt51-91) 22-Ti-47  
 -3.192 To 8.109 %



MAT 2228

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

22-Ti-47  
-3.192 To 8.109 %



70

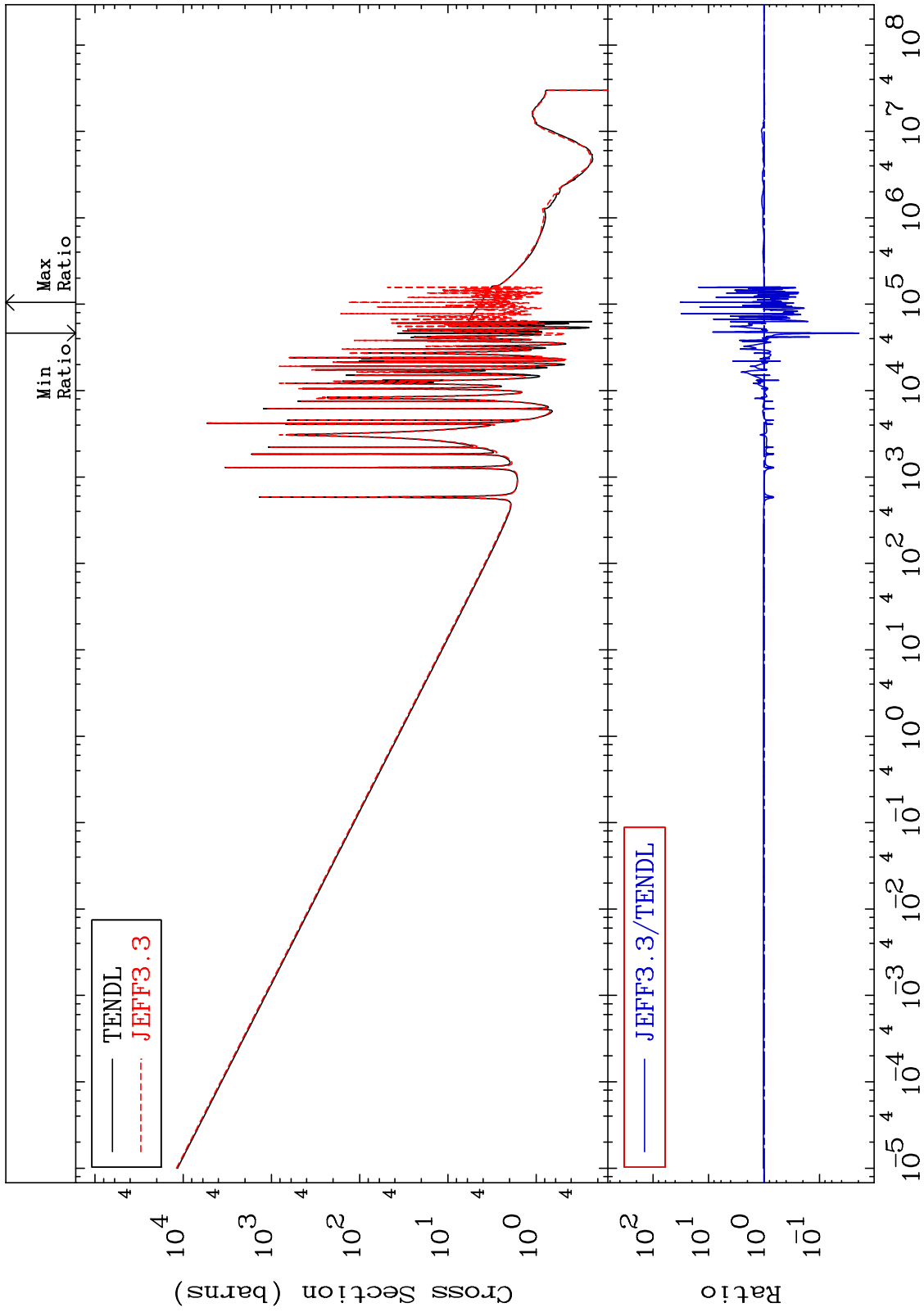
Incident Energy (eV)

22-Ti-47

MAT 2228

Kerma capture (mt102)  
Cross Section

22-Ti-47  
-98.05 To 3152. %

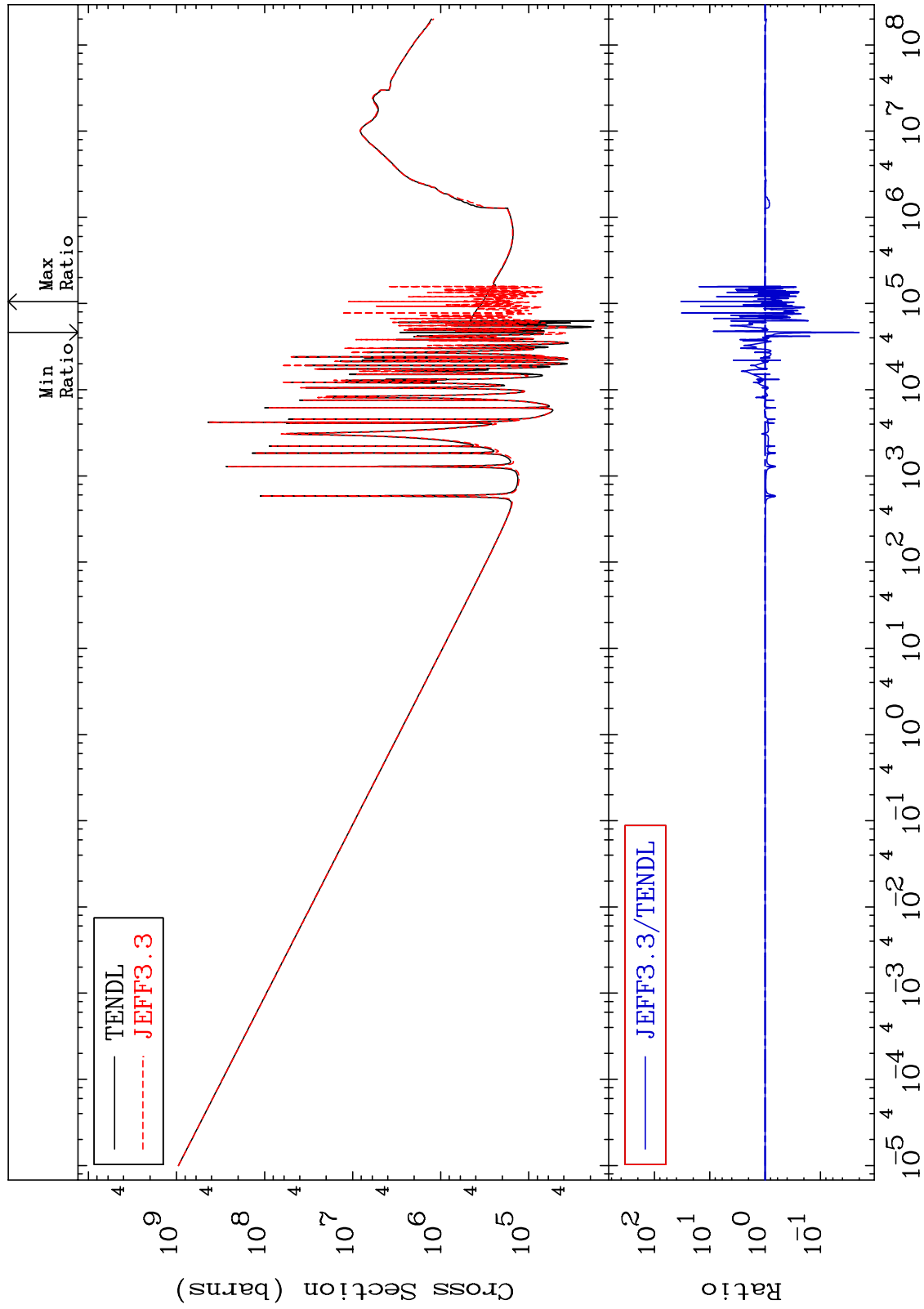




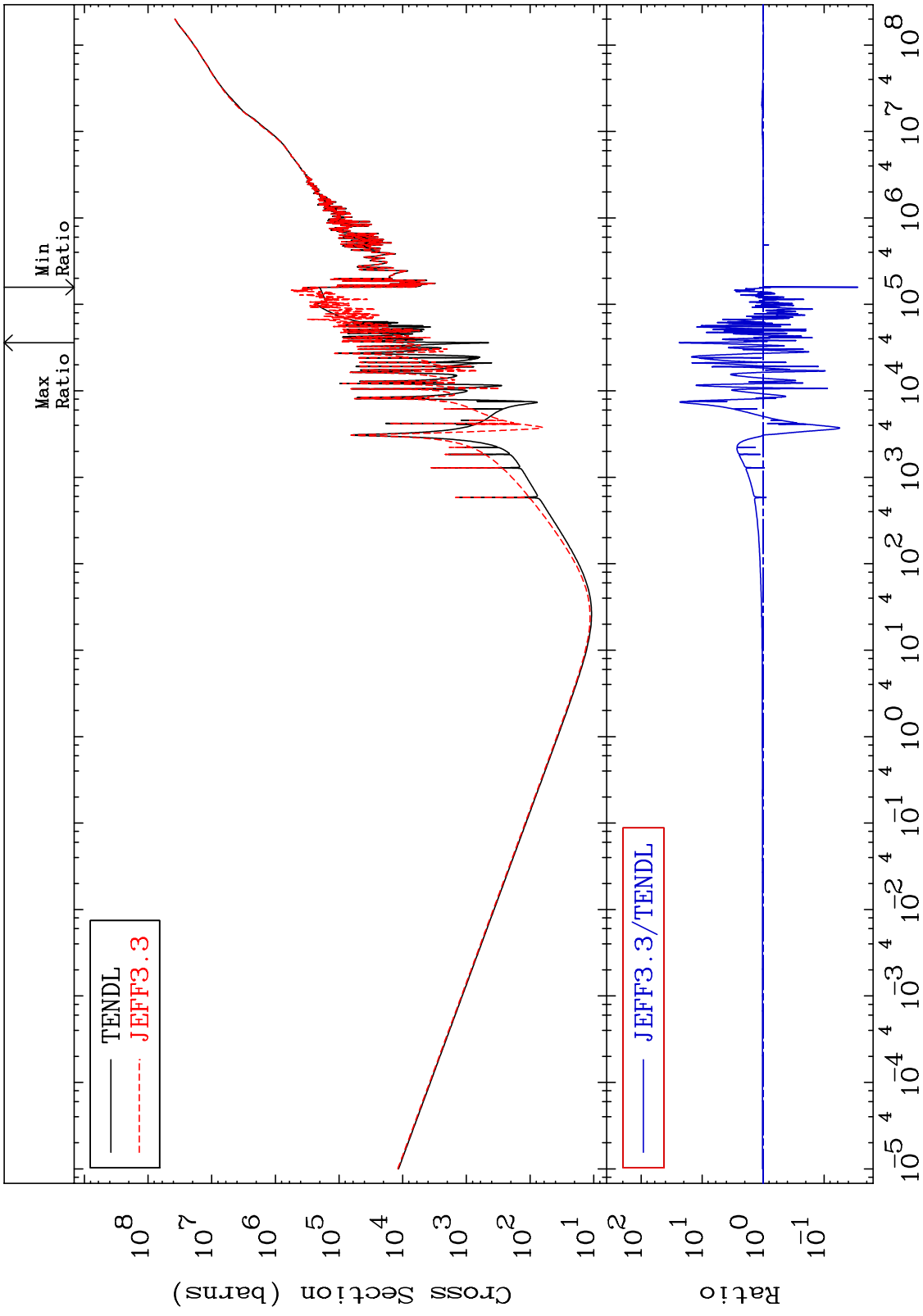
MAT 2228

Total photon (eV-barns)  
Cross Section

22-Ti-47  
-97.99 To 3236. %



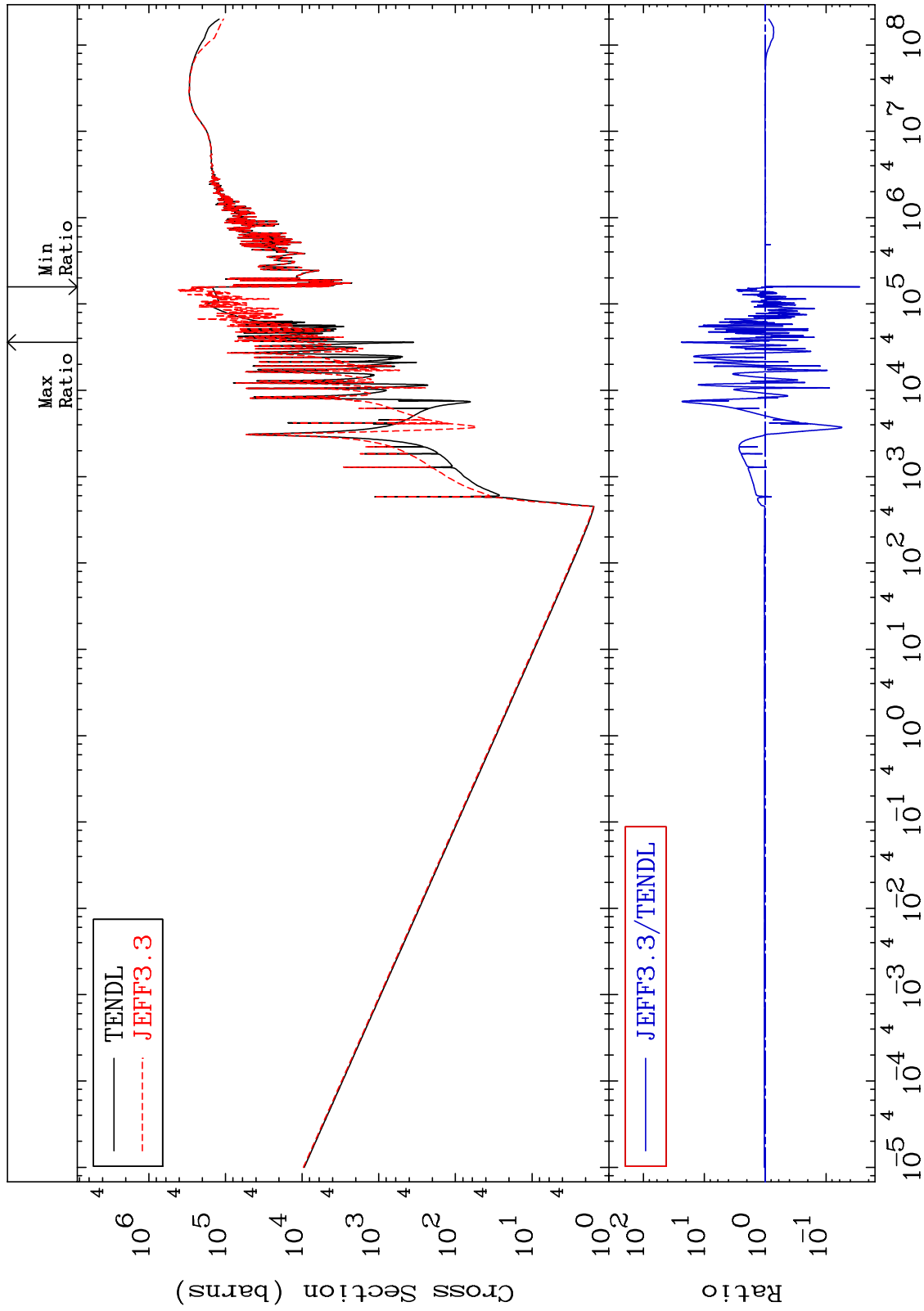
MAT 2228 Total kinematic kerma (high limit) Cross Section -97.20 To 2287. % 22-Ti-47



MAT 2228

Dpa total (eV-barns)  
Cross Section

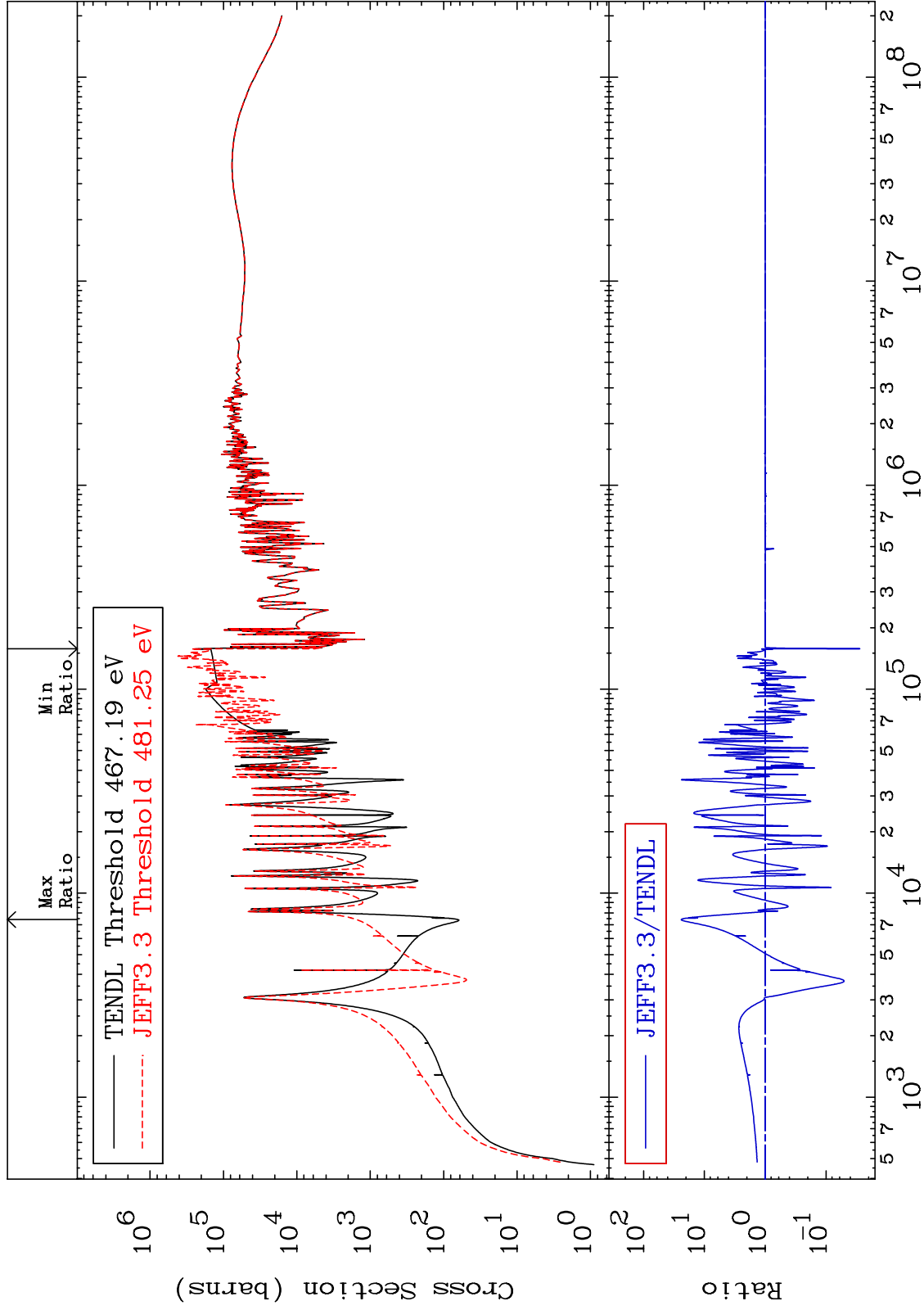
22-Ti-47  
-97.20 To 2287. %



MAT 2228

Dpa elastic (mt2)  
Cross Section

22-Ti-47  
-97.20 To 2301. %

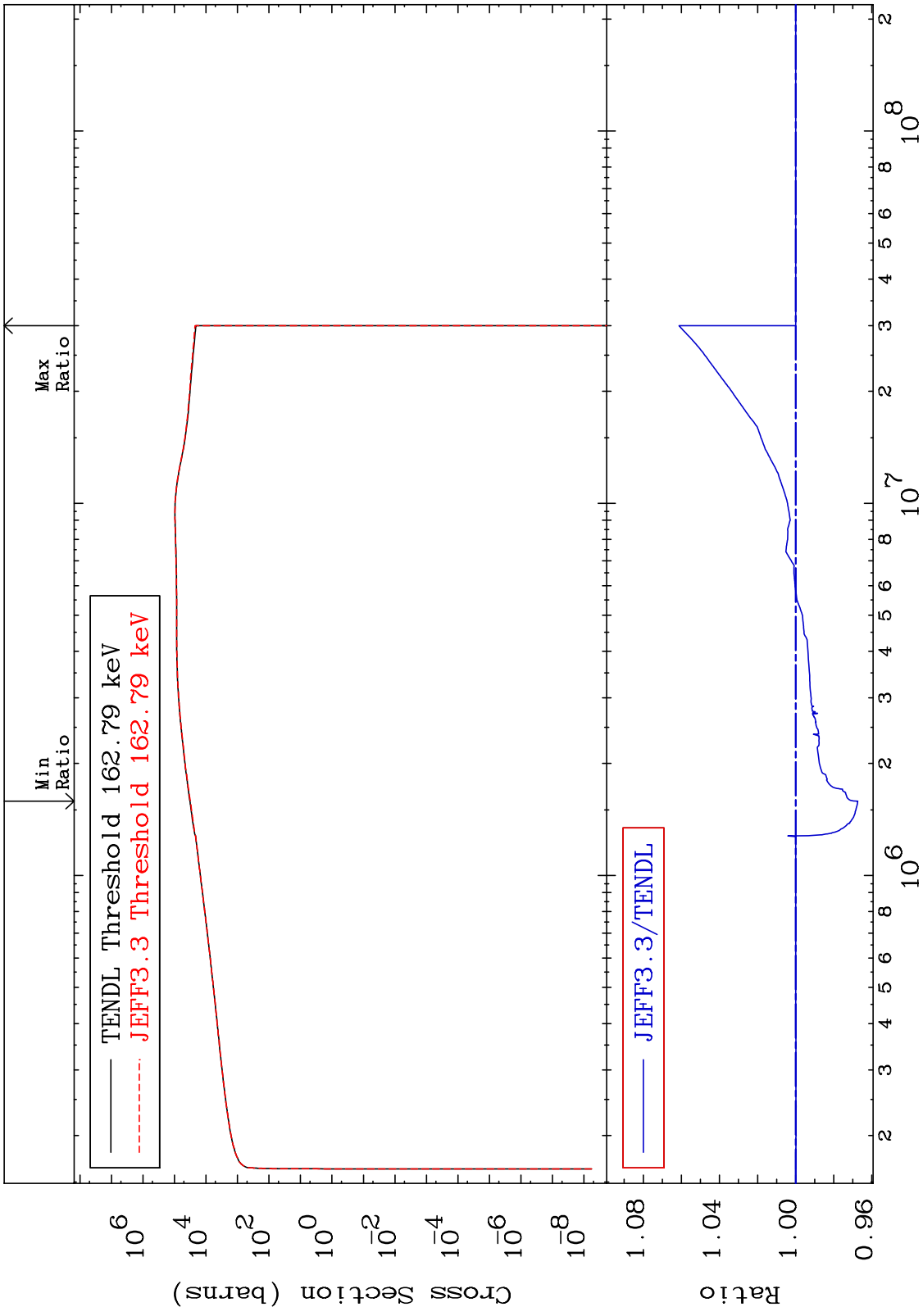


75

Incident Energy (eV)

22-Ti-47

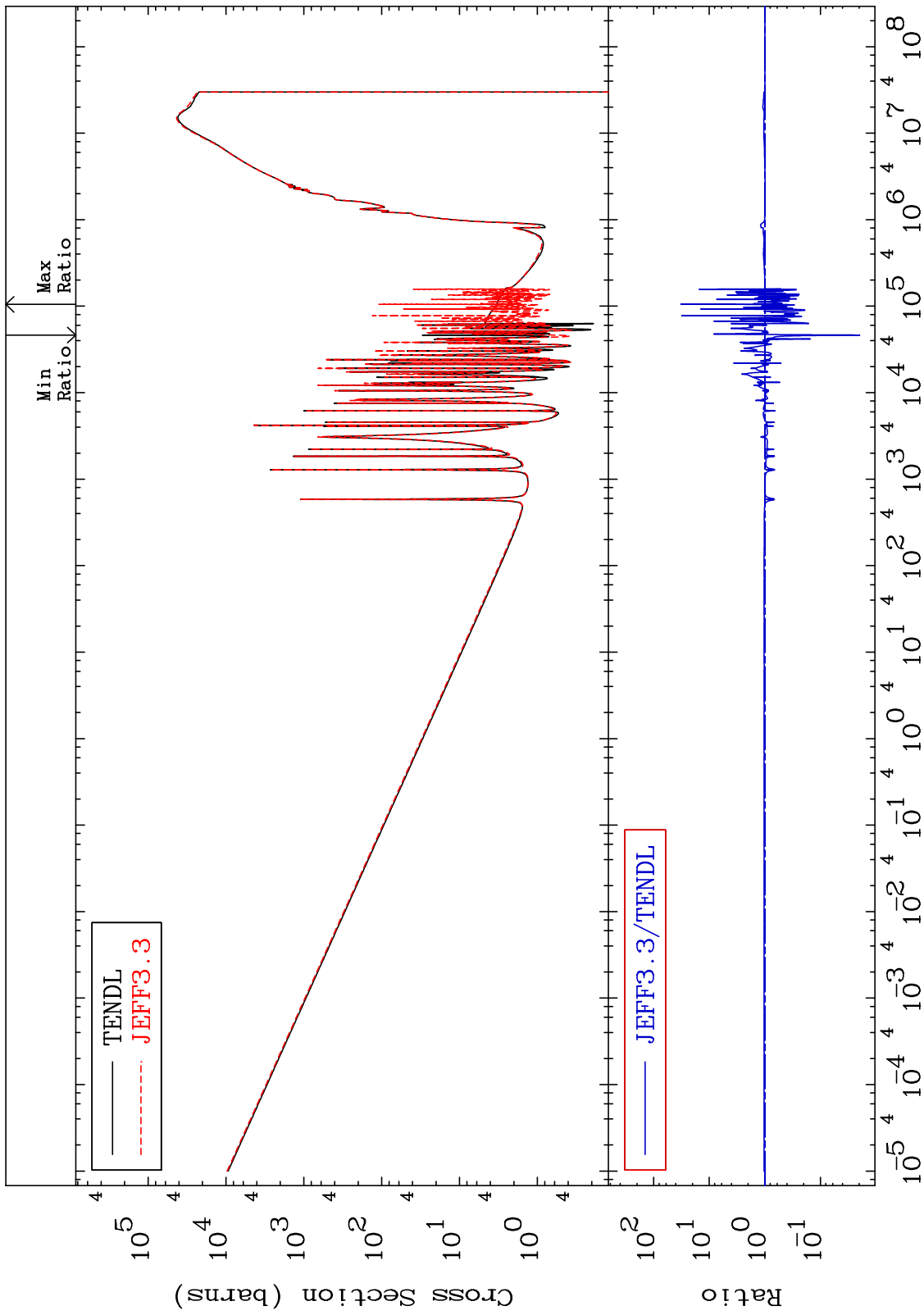
MAT 2228      Dpa inelastic (mt51-91)      22-Ti-47  
 Cross Section      -3.263 To 6.122 %



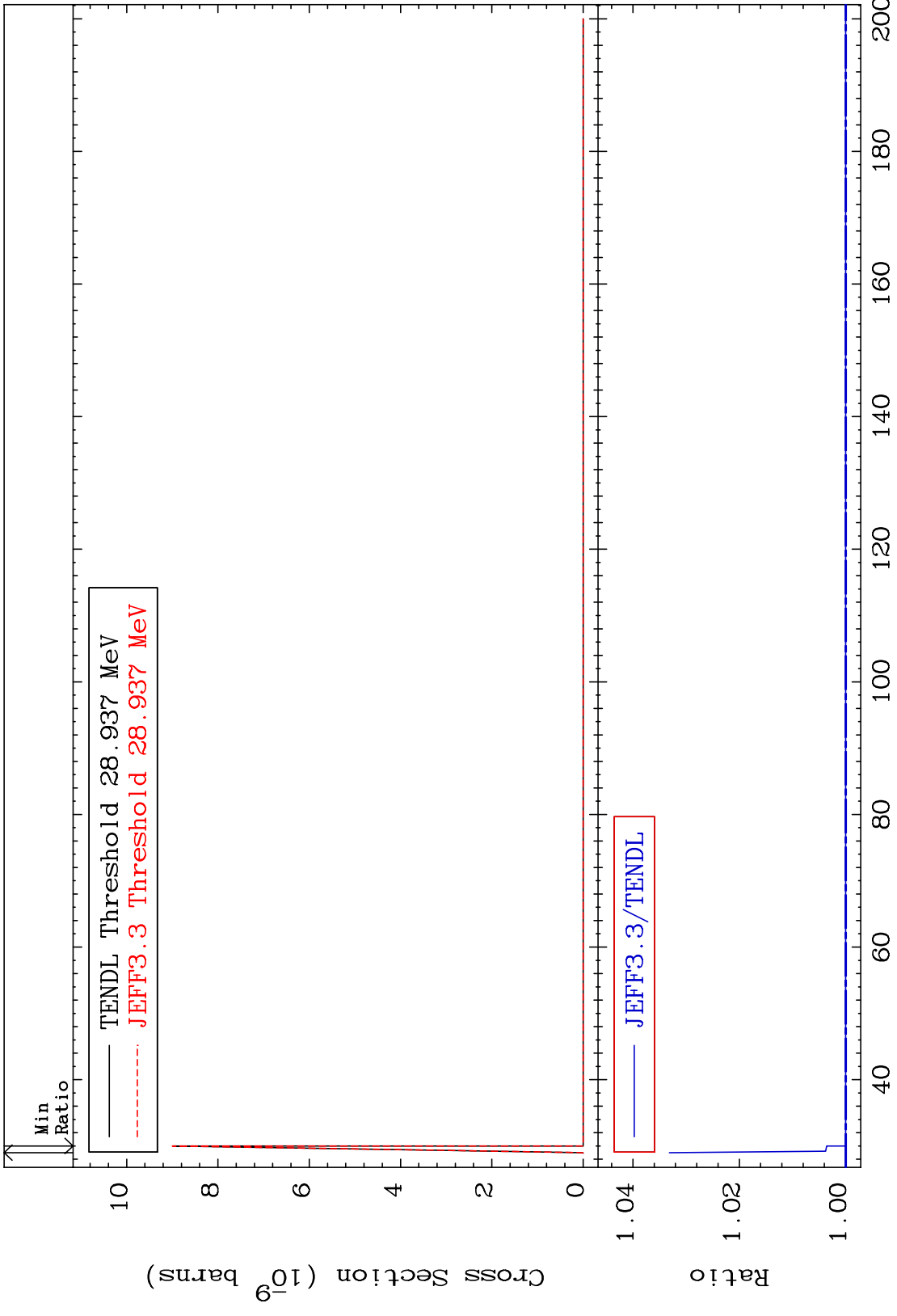
MAT 2228

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 %

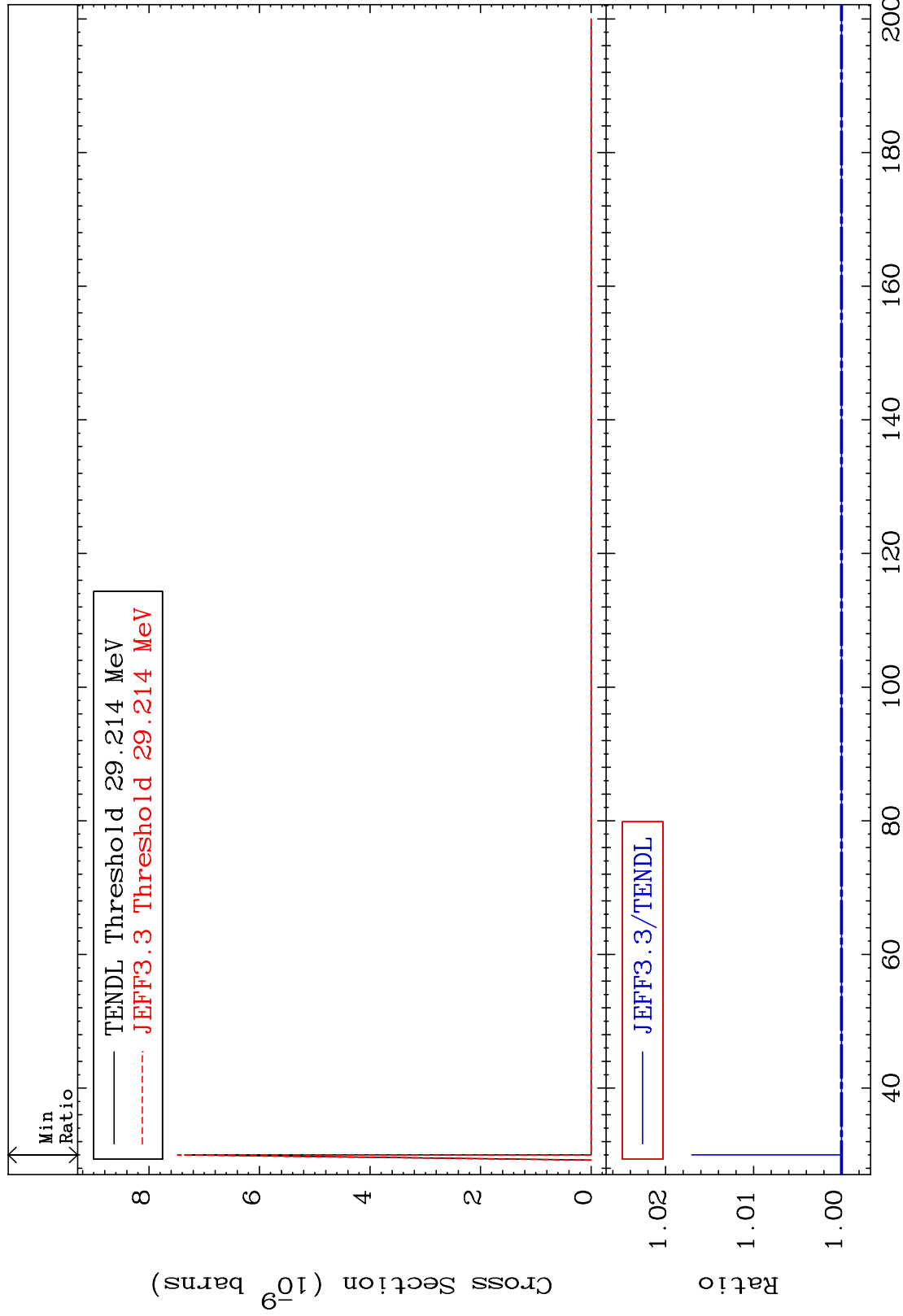


MAT 2228

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

22-Ti-47

Radionuclide Production Cross Section 0.000 To 1.702 %



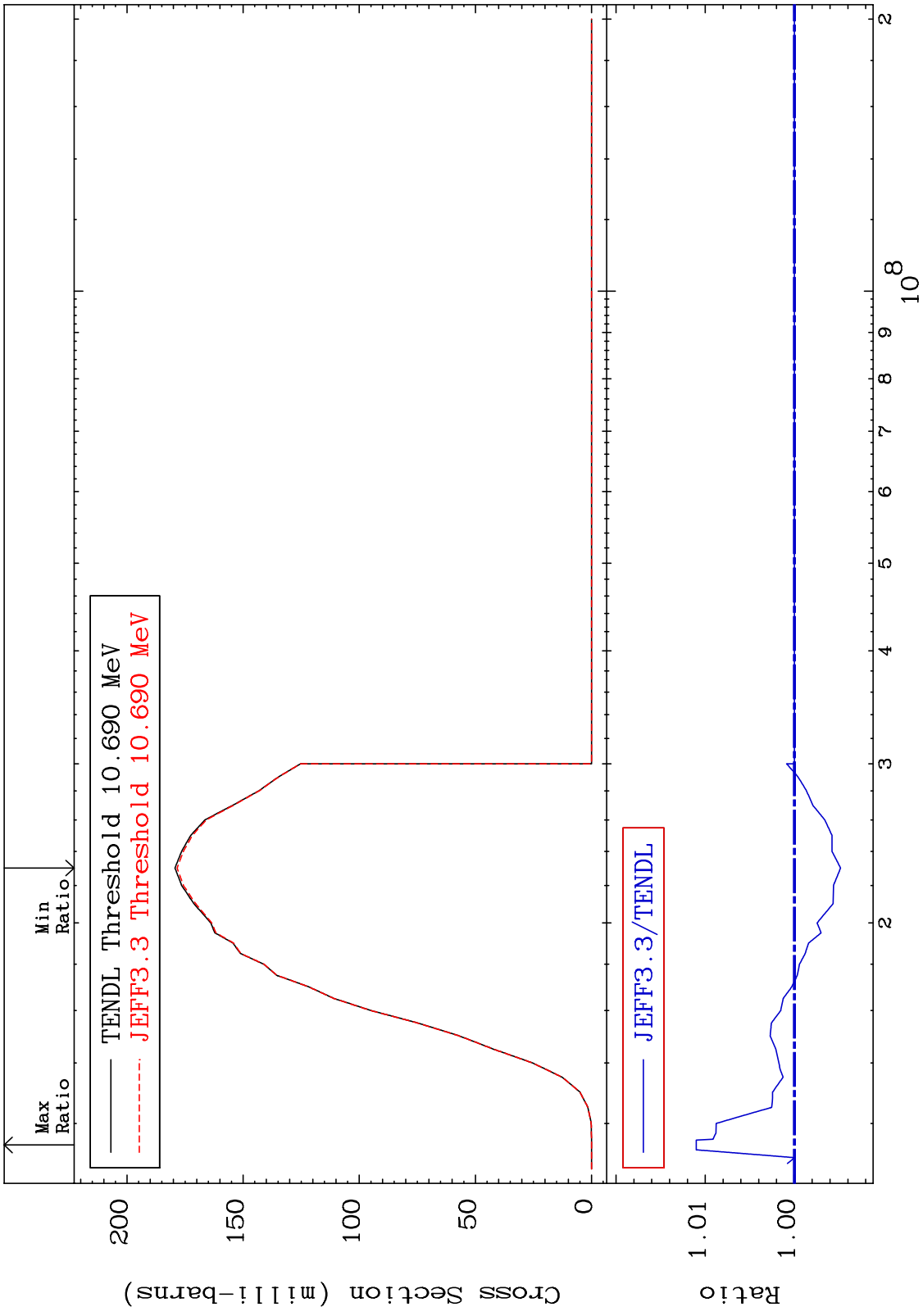
79

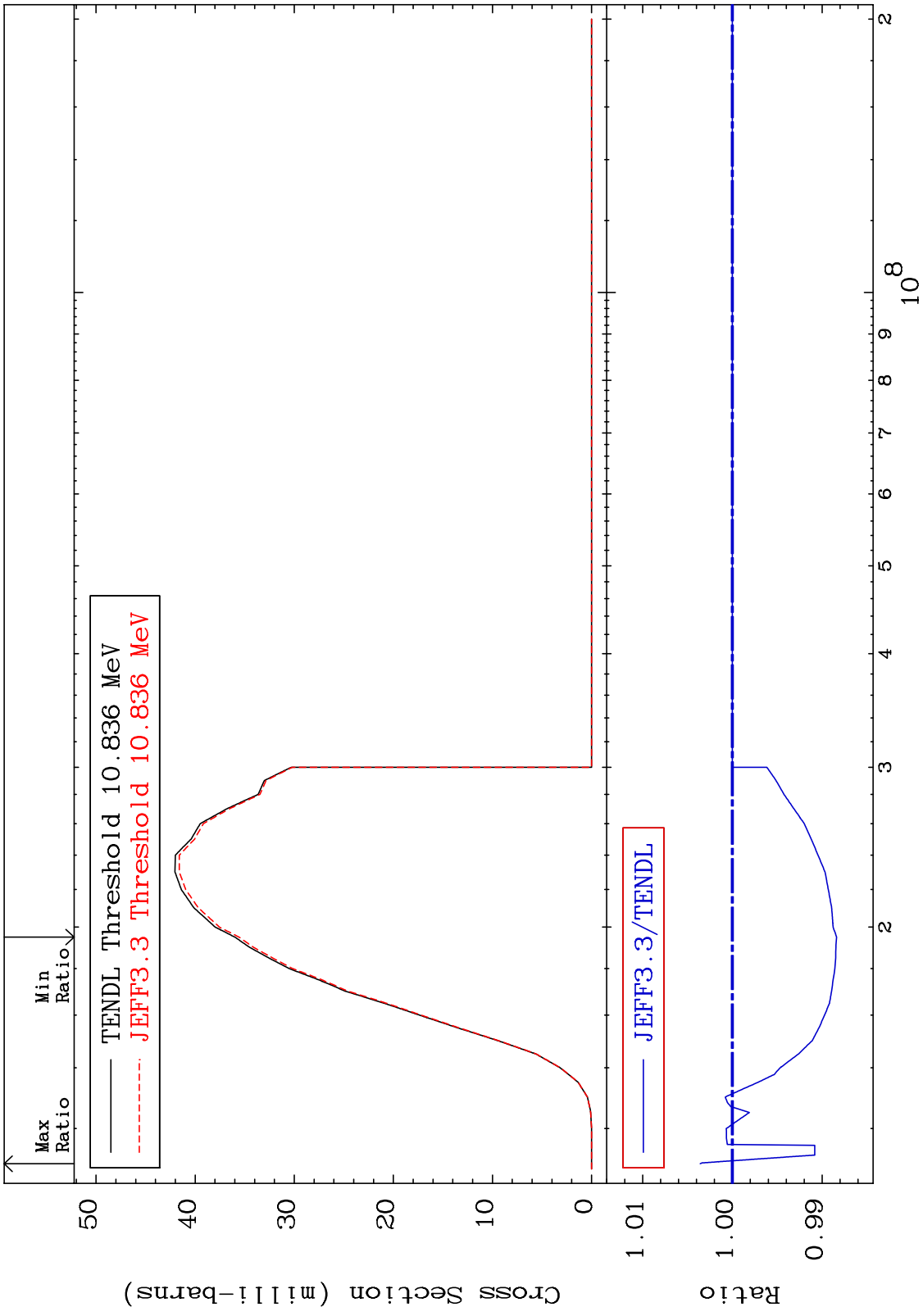
Incident Energy (MeV)

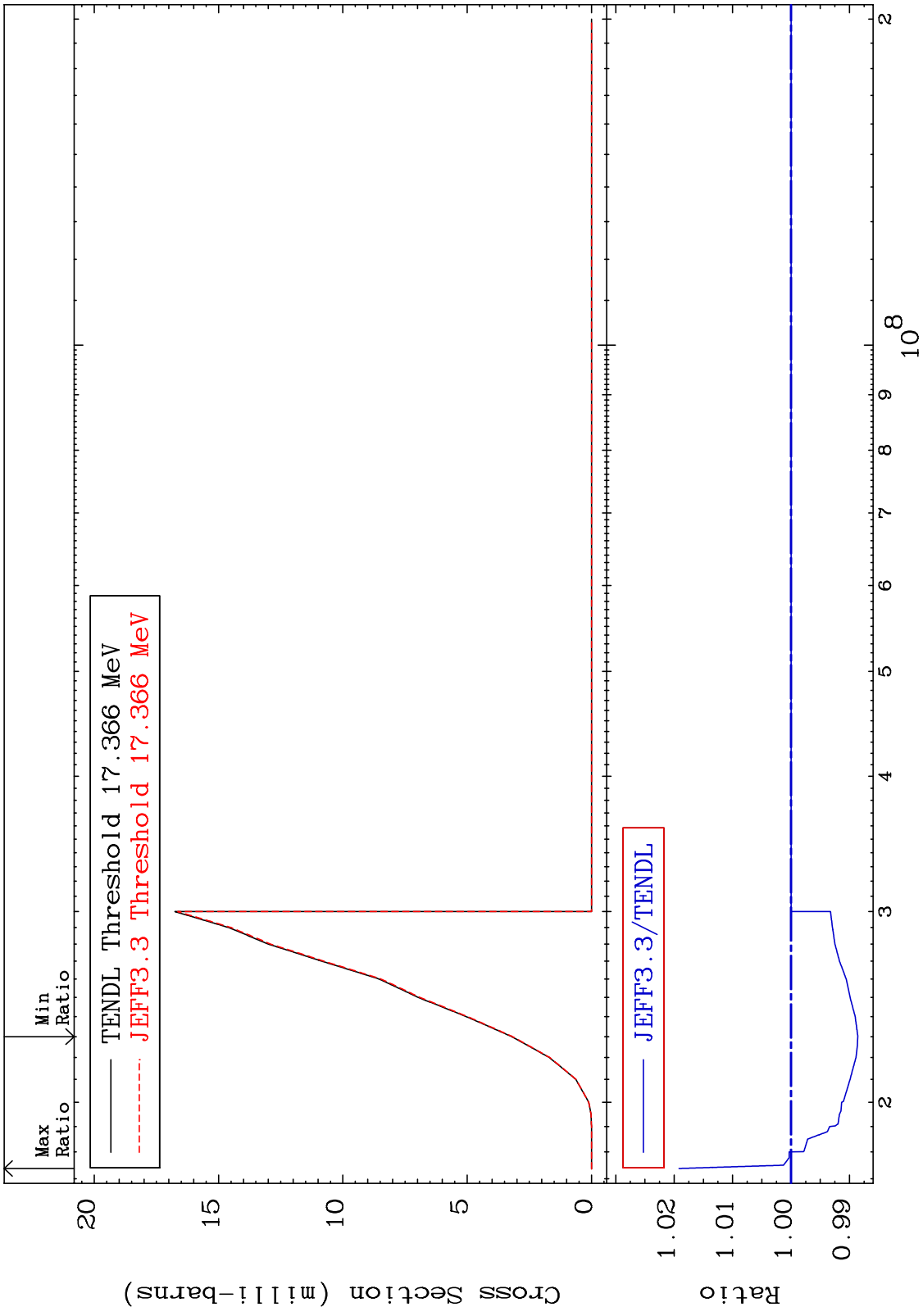
22-Ti-47



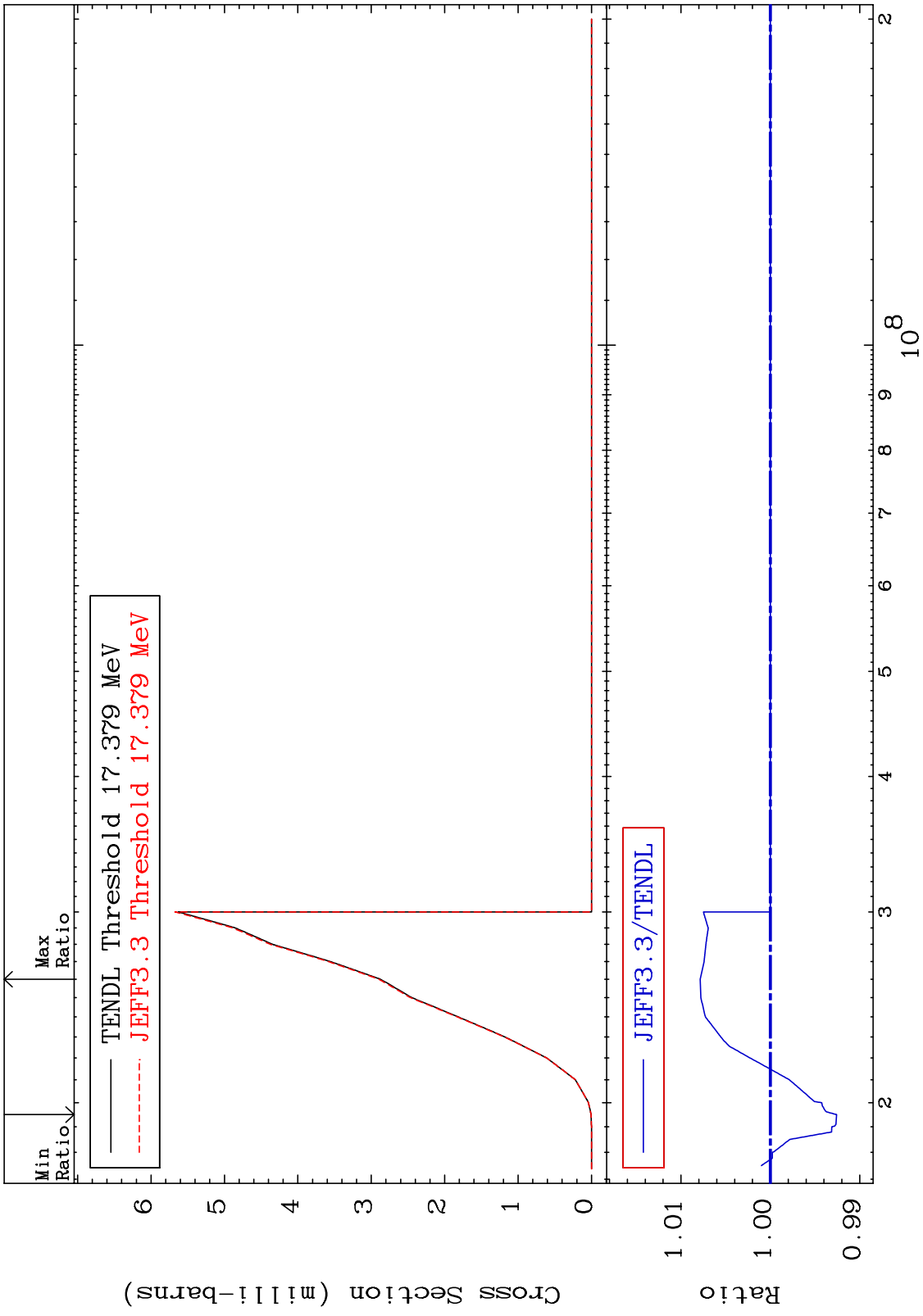
MAT 2228 (n, n') p:21-Sc-46g 22-Ti-47  
 Radionuclide Production Cross Section -0.518 To 1.100 %





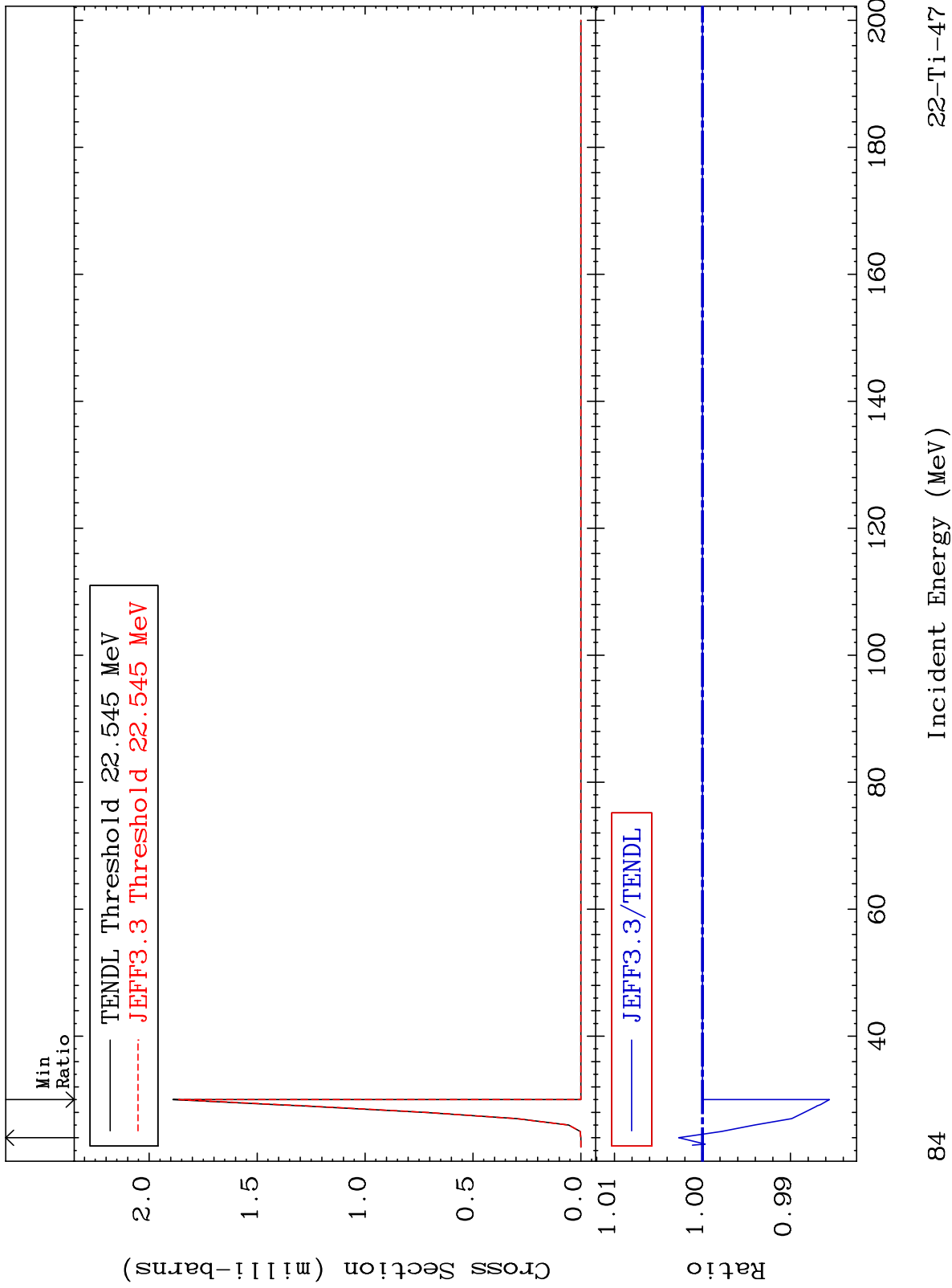


MAT 2228 (n, n') d:21-Sc-45m1 22-Ti-47  
 Radionuclide Production Cross Section -0.741 To 0.784 %



MAT 2228

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

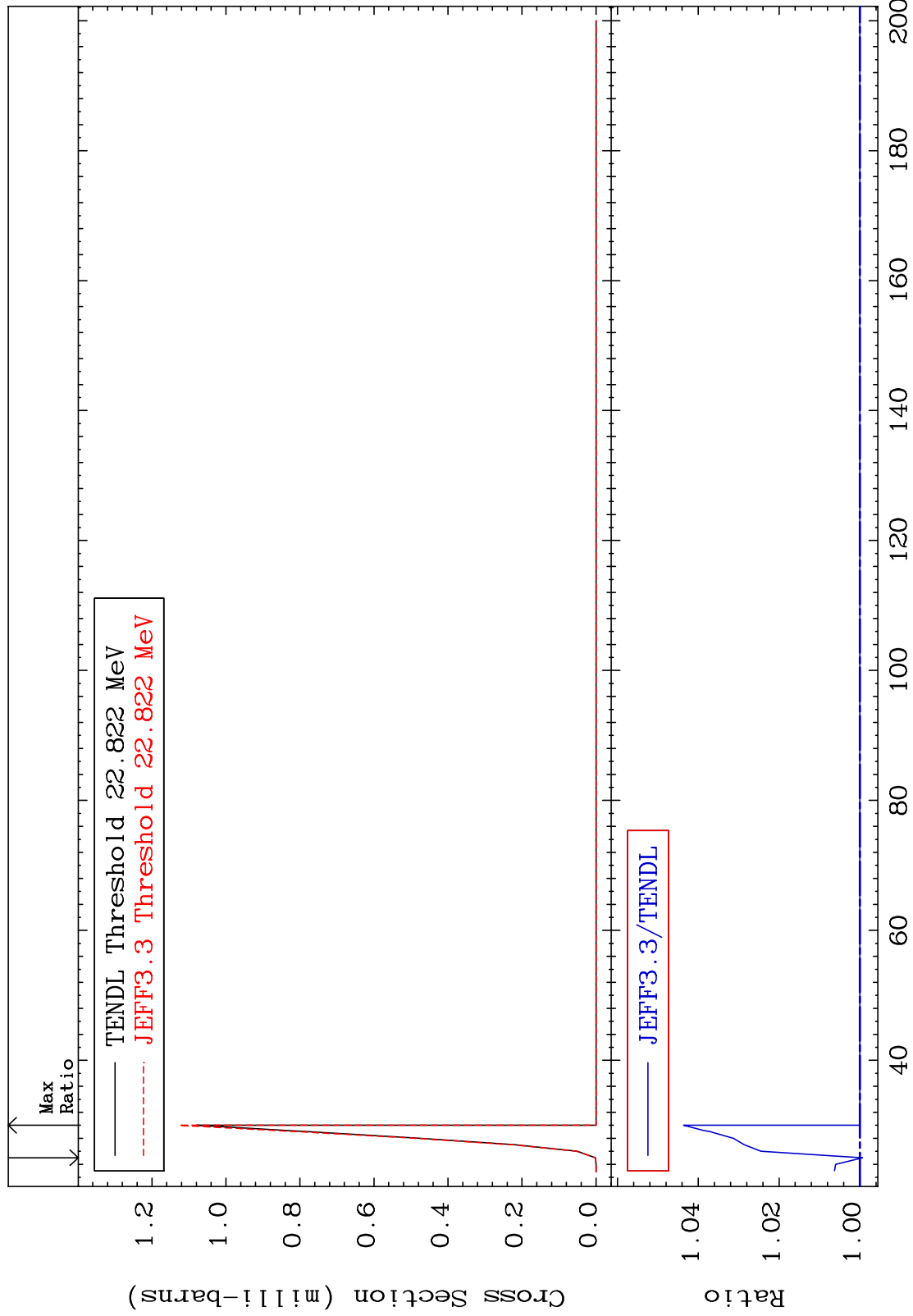


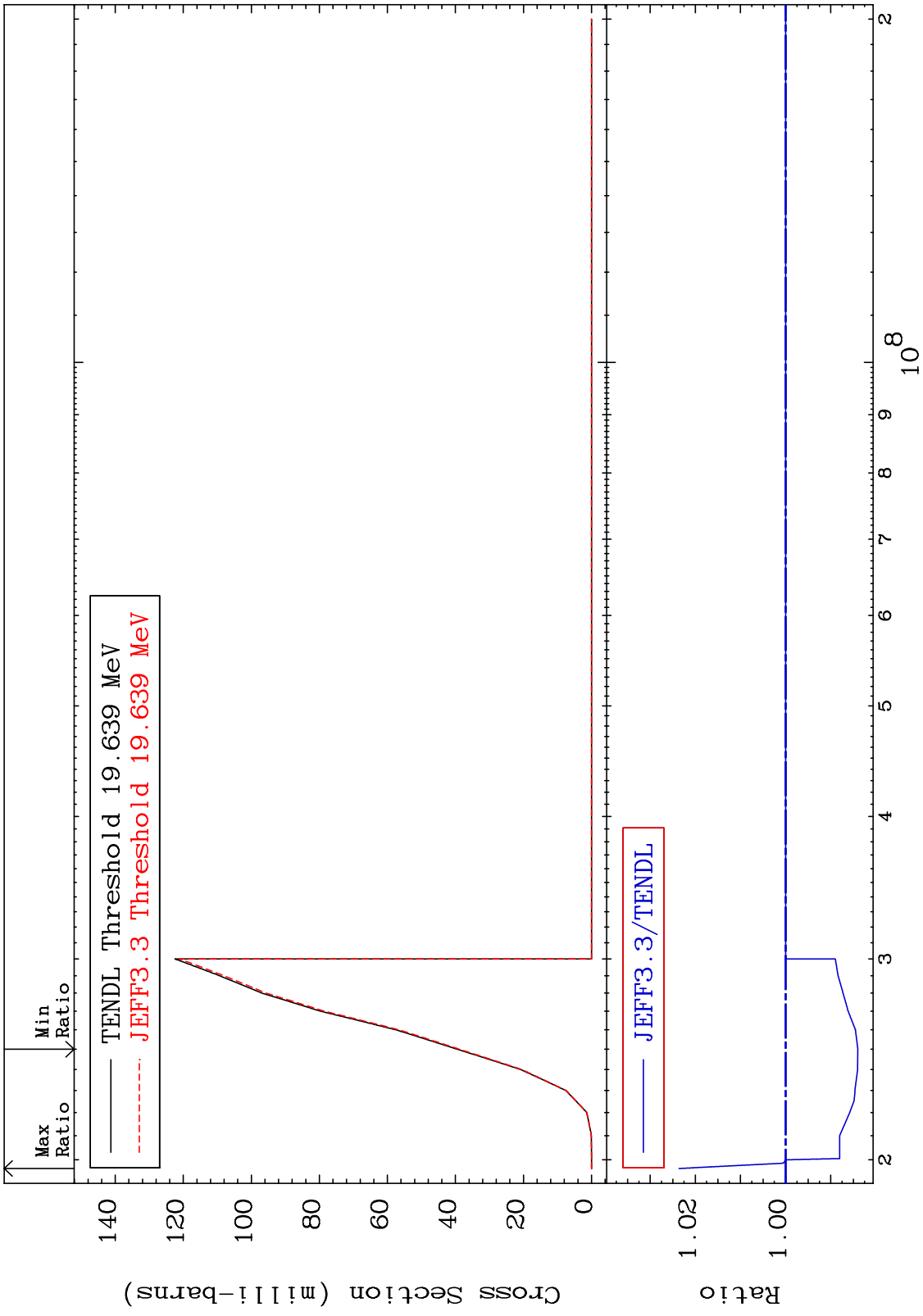
MAT 2228

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

22-Ti-47

Radionuclide Production Cross Section -0.067 To 4.363 %



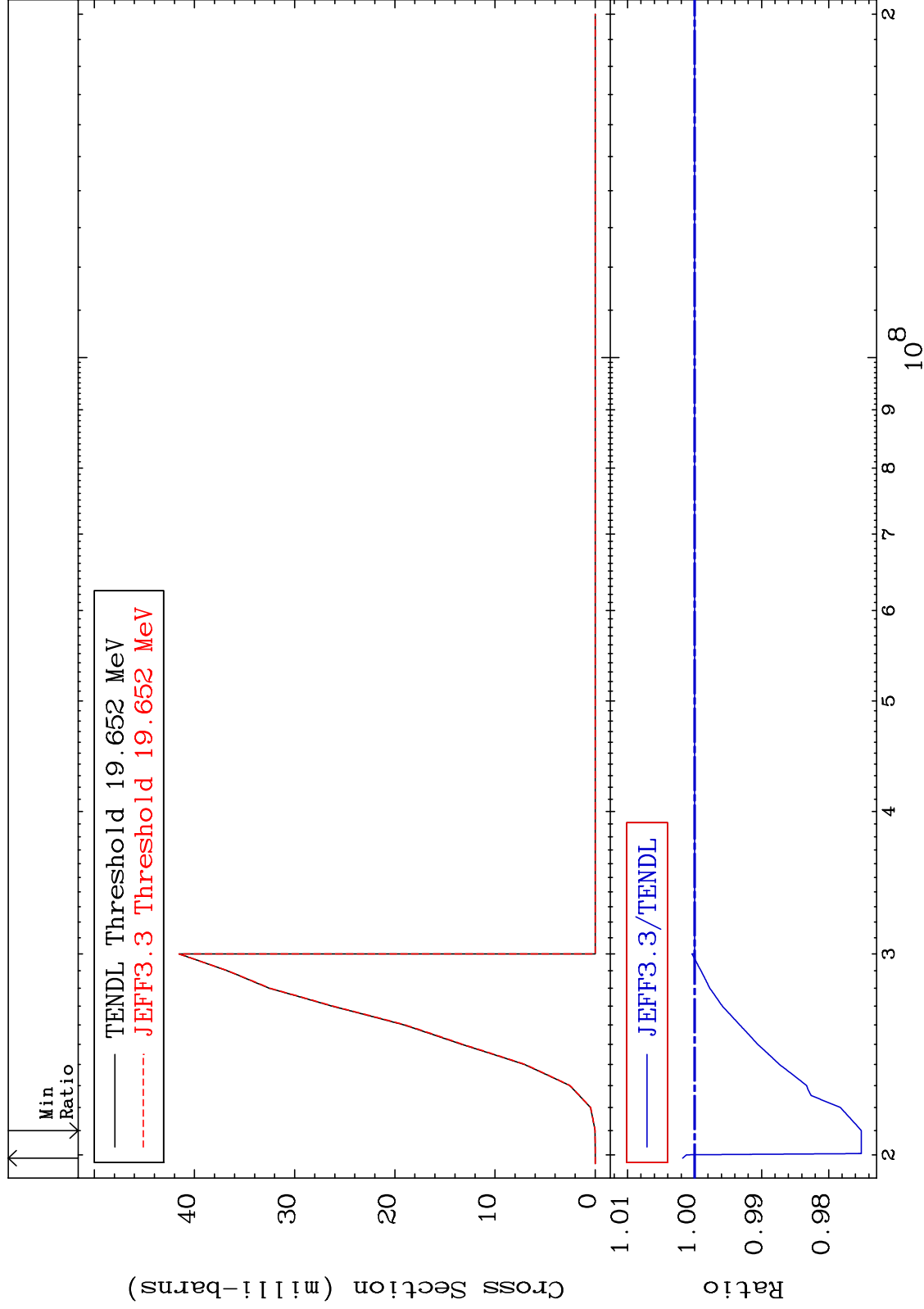


MAT 2228

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

22-Ti-47

Radionuclide Production Cross Section -2.488 To 0.178 %



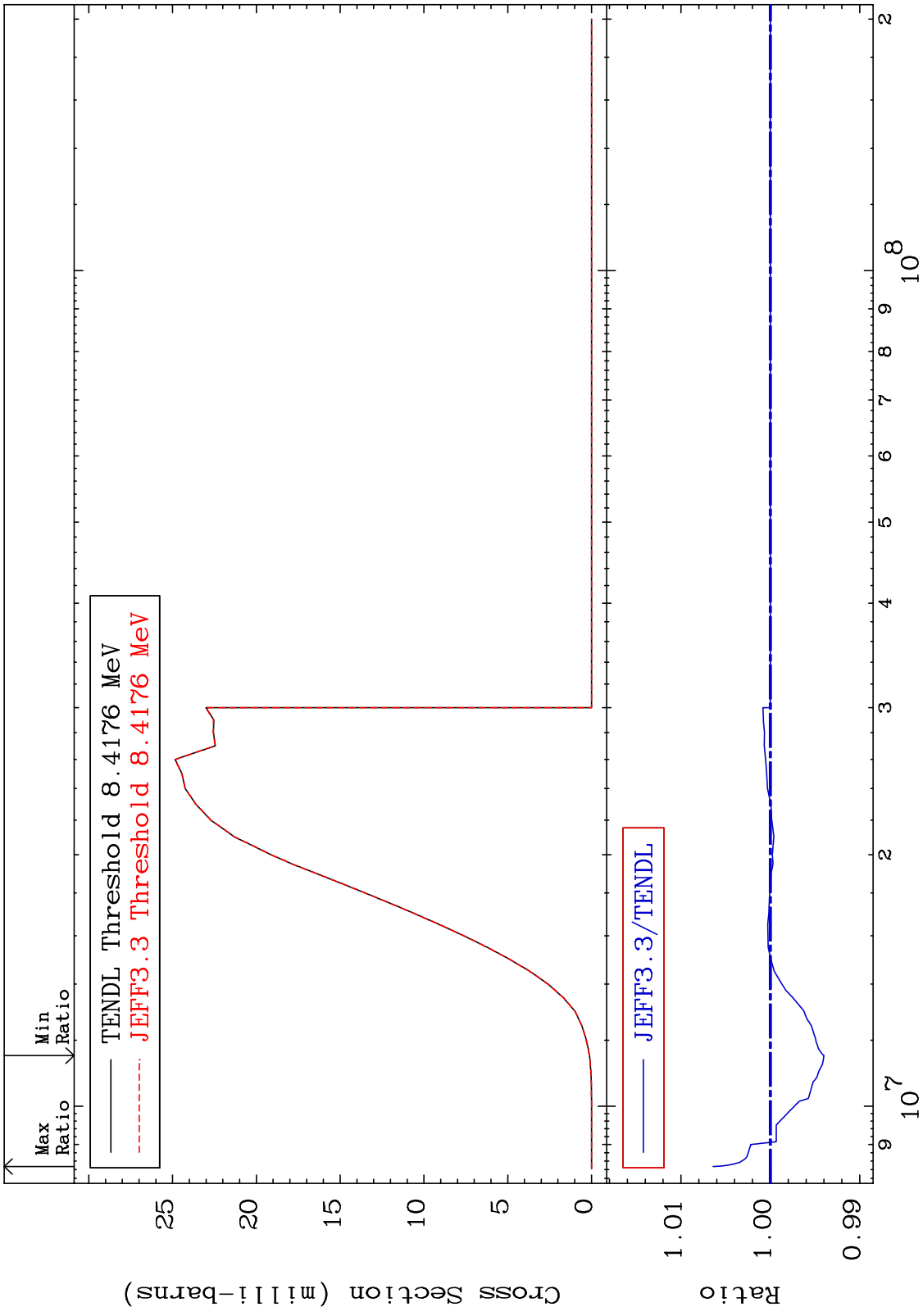
87

Incident Energy (eV)

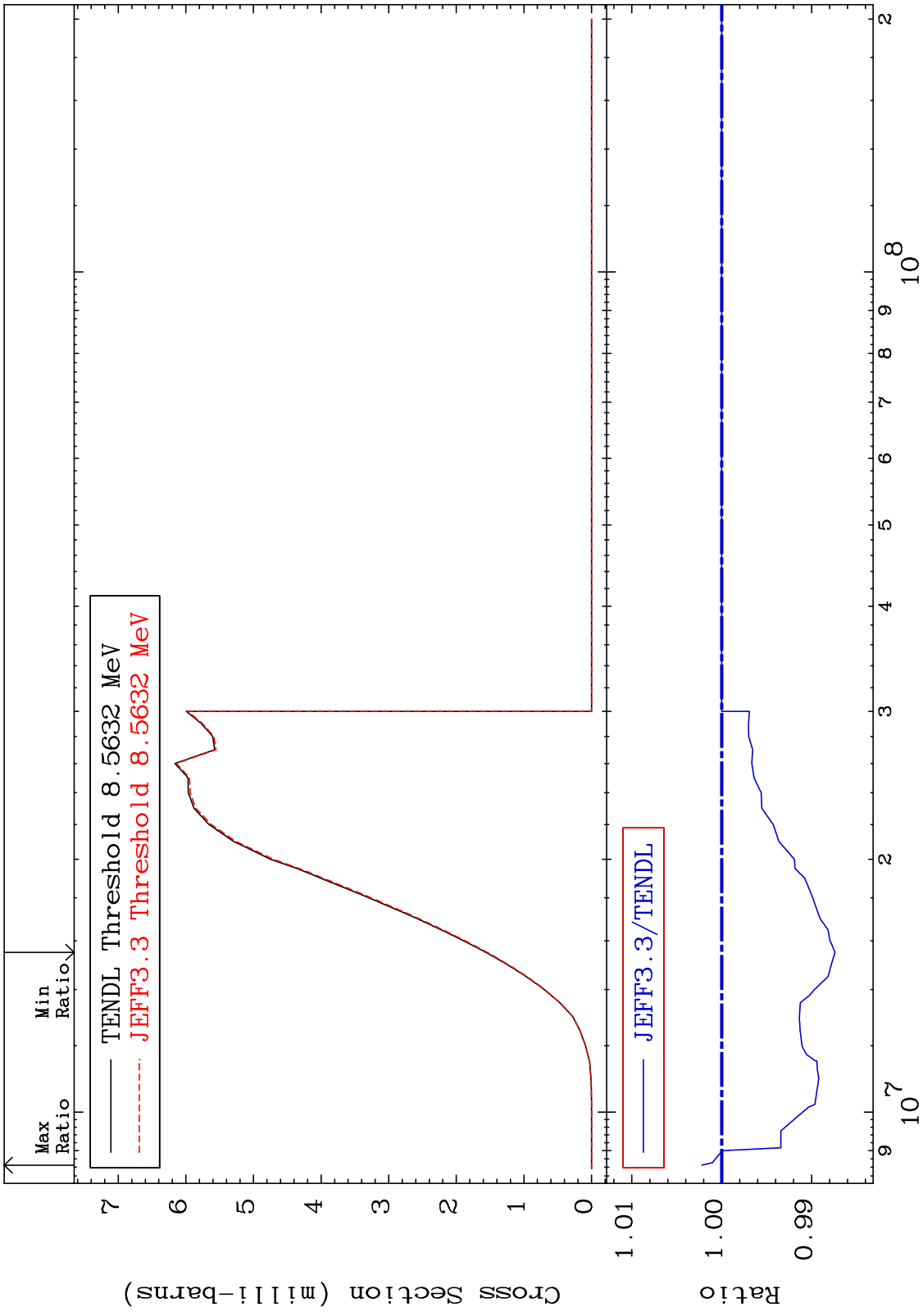
22-Ti-47



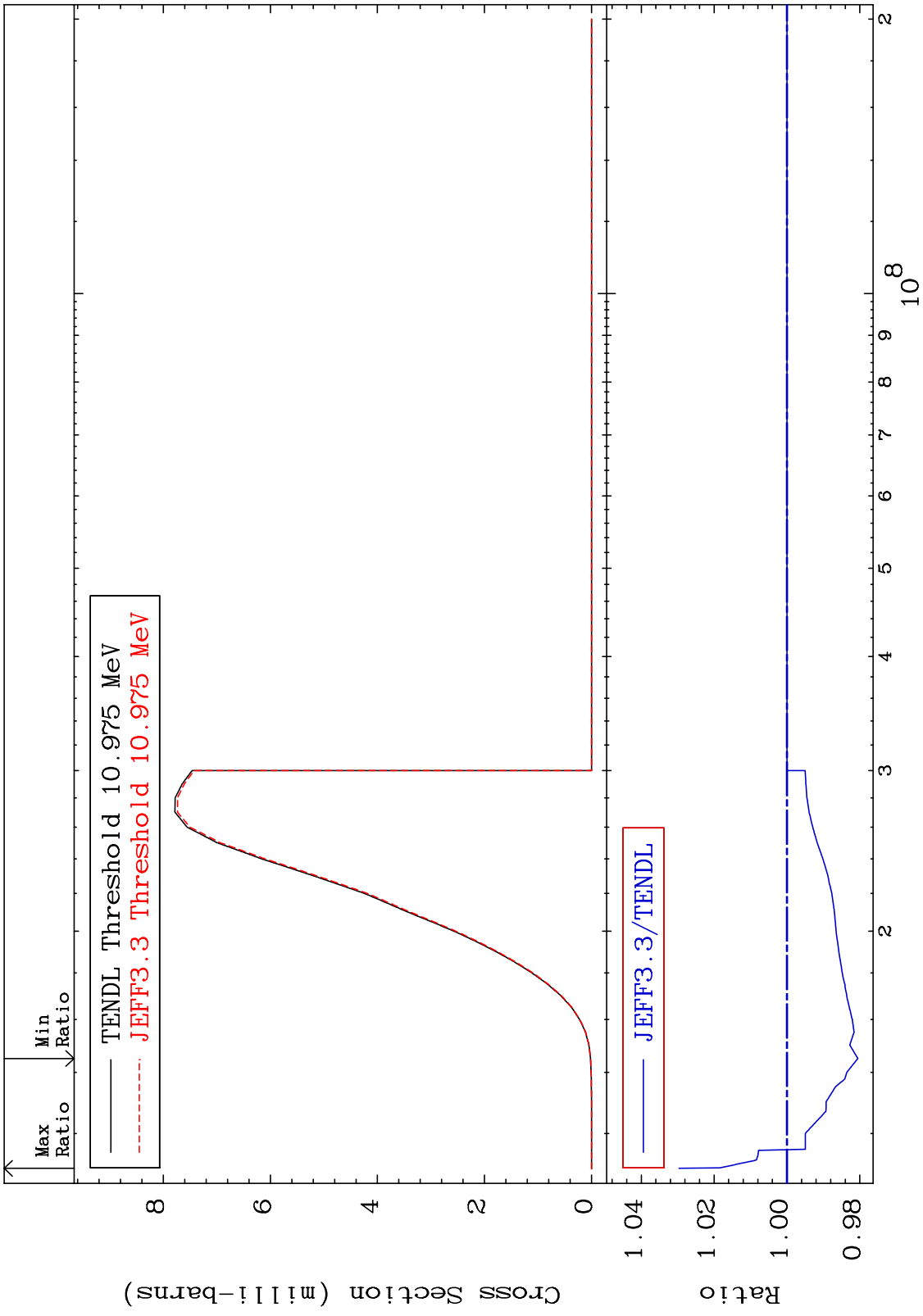
MAT 2228 (n,d):21-Sc-46g 22-Ti-47  
 Radionuclide Production Cross Section -0.598 To 0.641 %



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 %

