

Program Complot  
(Version 2018-1)

by

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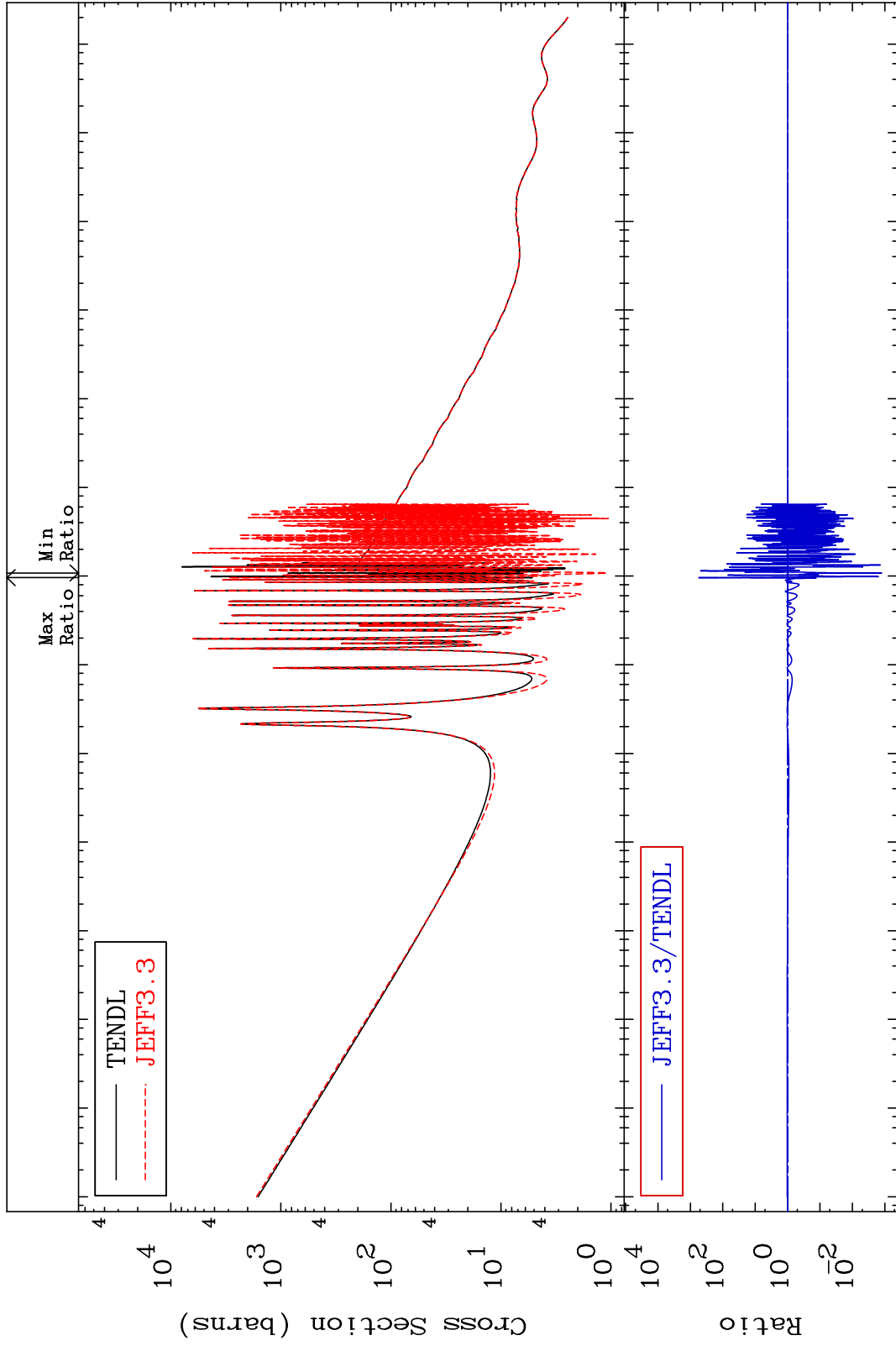
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6625

Total  
Cross Section

66-Dy-156  
-99.87 To 9999. %



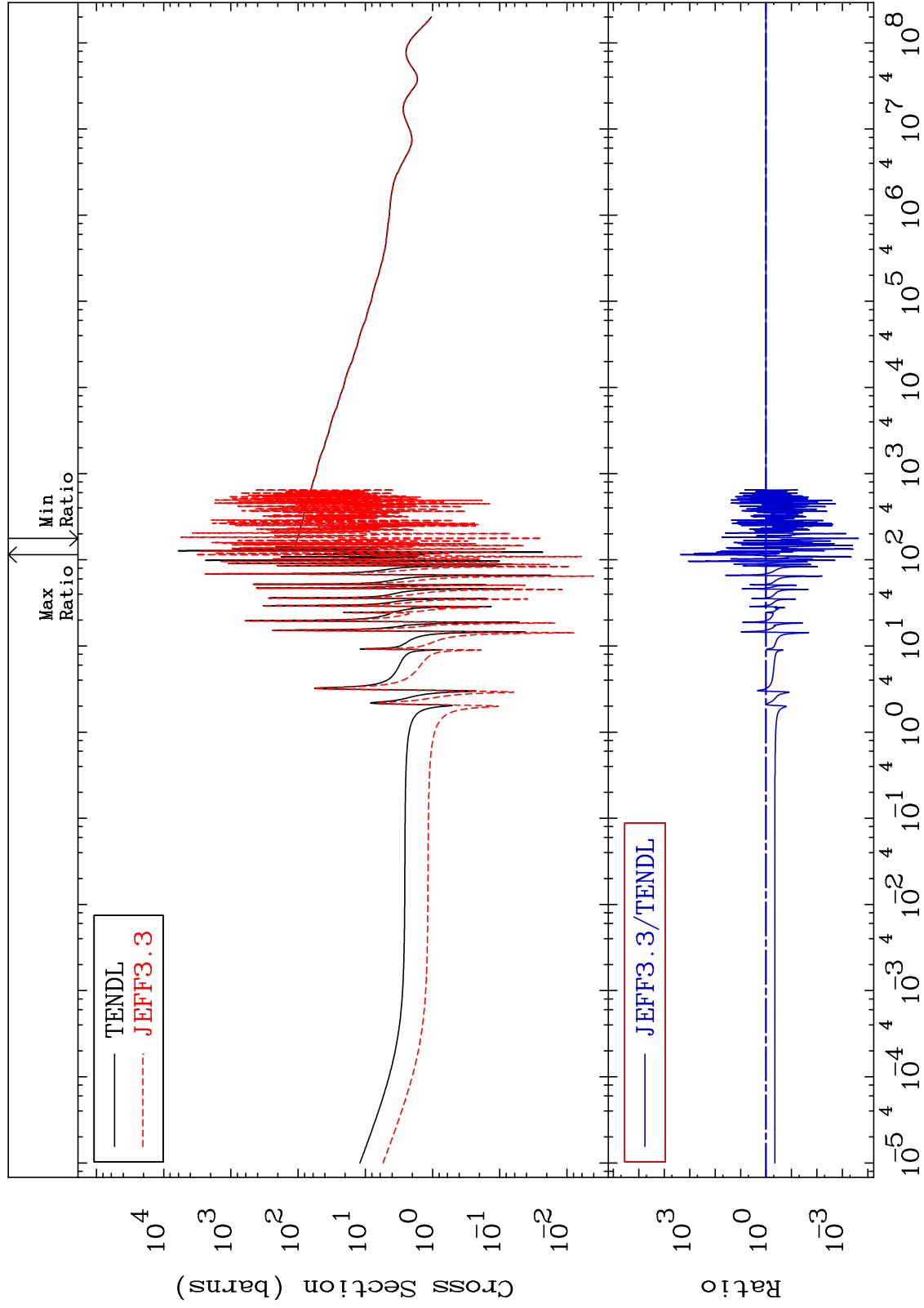
Incident Energy (eV)

66-Dy-156

MAT 6625

Elastic  
Cross Section

66-Dy-156  
-99.98 To 9999. %



2

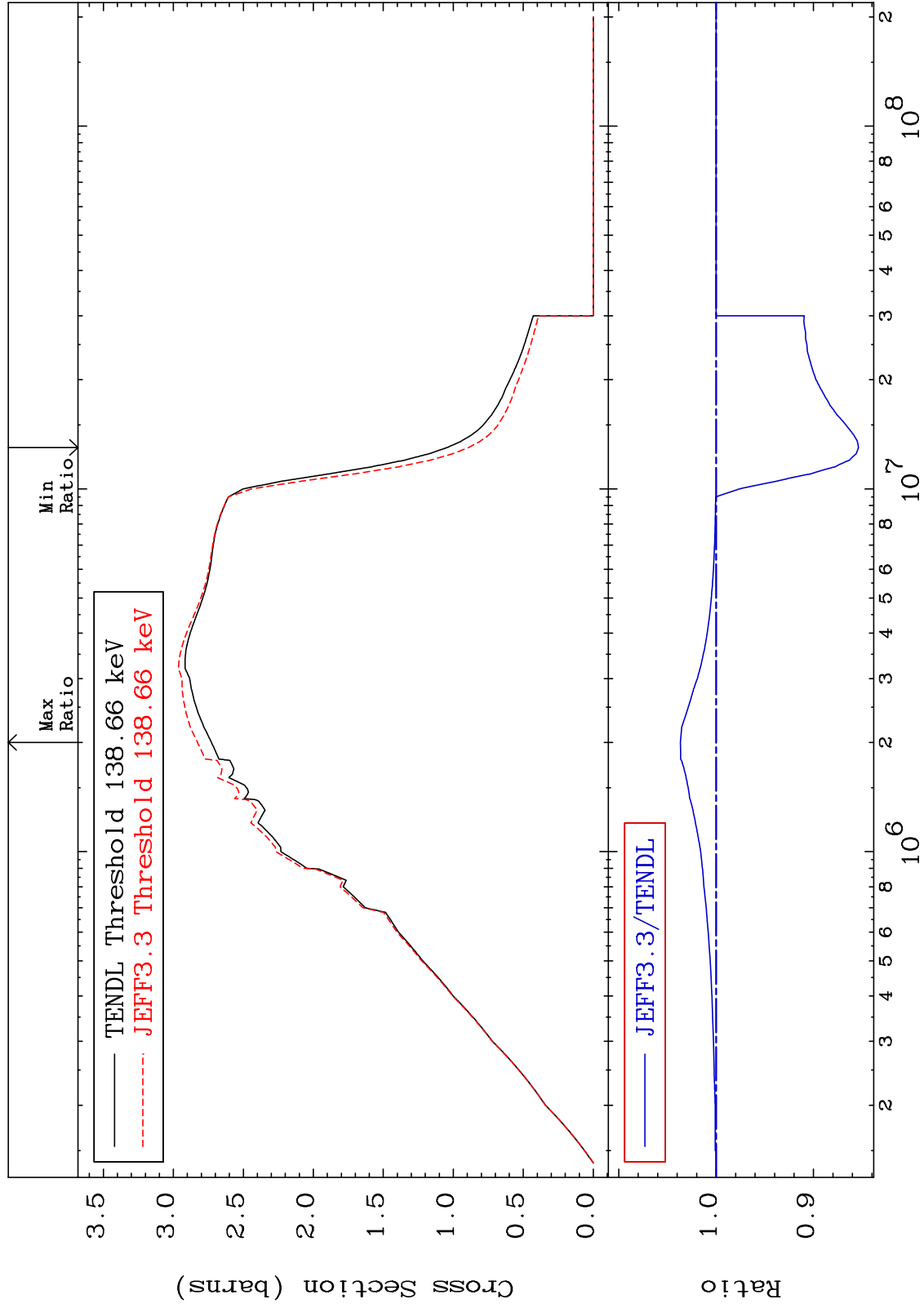
Incident Energy (eV)

66-Dy-156

MAT 6625

66-Dy-156  
-14.62 To 3.665 %

Inelastic  
Cross Section



Incident Energy (eV)

66-Dy-156

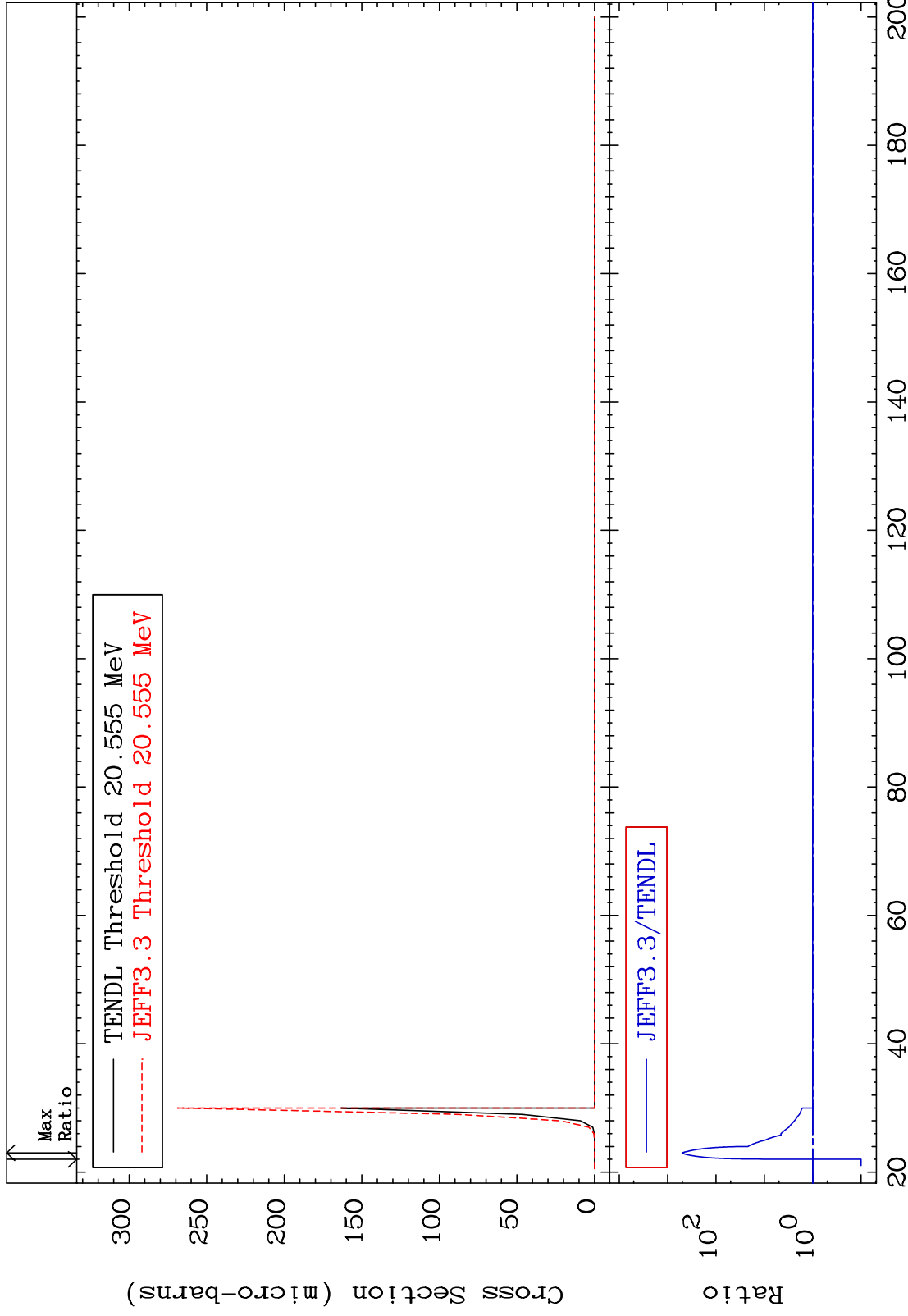
MAT 6625

(n,2n) d

66-Dy-156

Cross Section

-89.99 To 9999. %



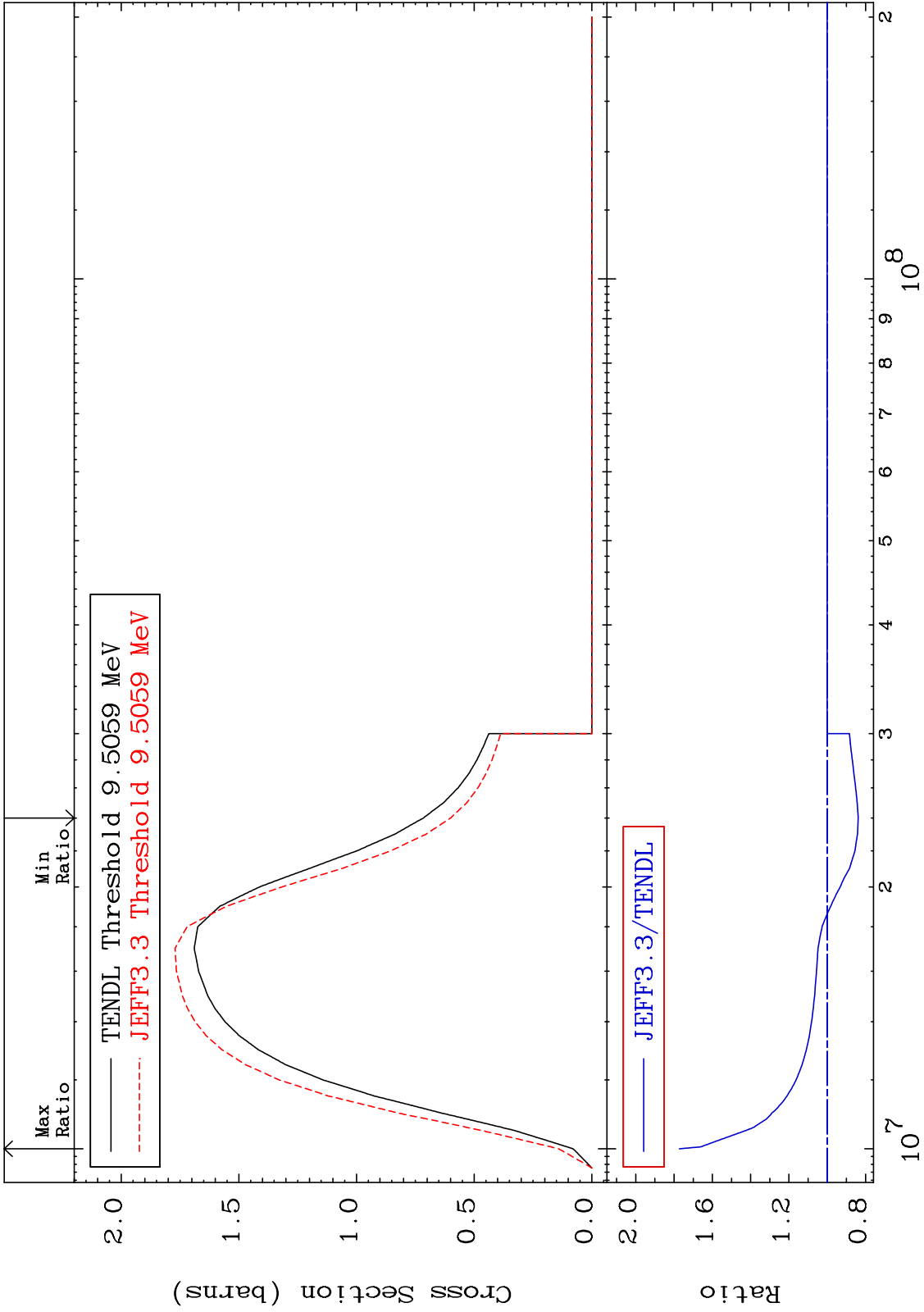
MAT 6625

(n,2n)

66-Dy-156

Cross Section

-16.19 To 77.22 %



66-Dy-156

Incident Energy (eV)

5

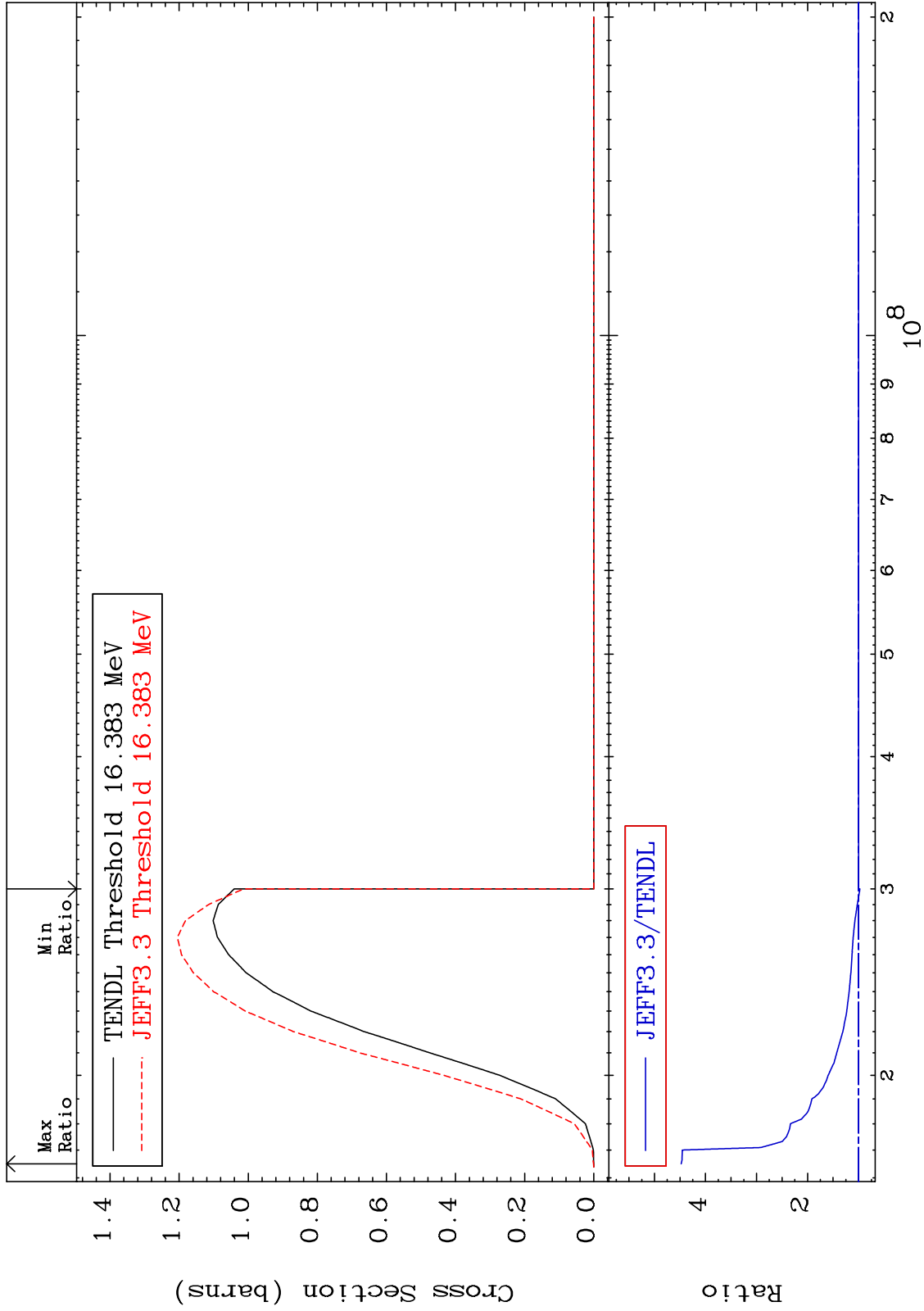
MAT 6625

(n, 3n)

66-Dy-156

Cross Section

-2.610 To 347.6 %



6

Incident Energy (eV)

66-Dy-156

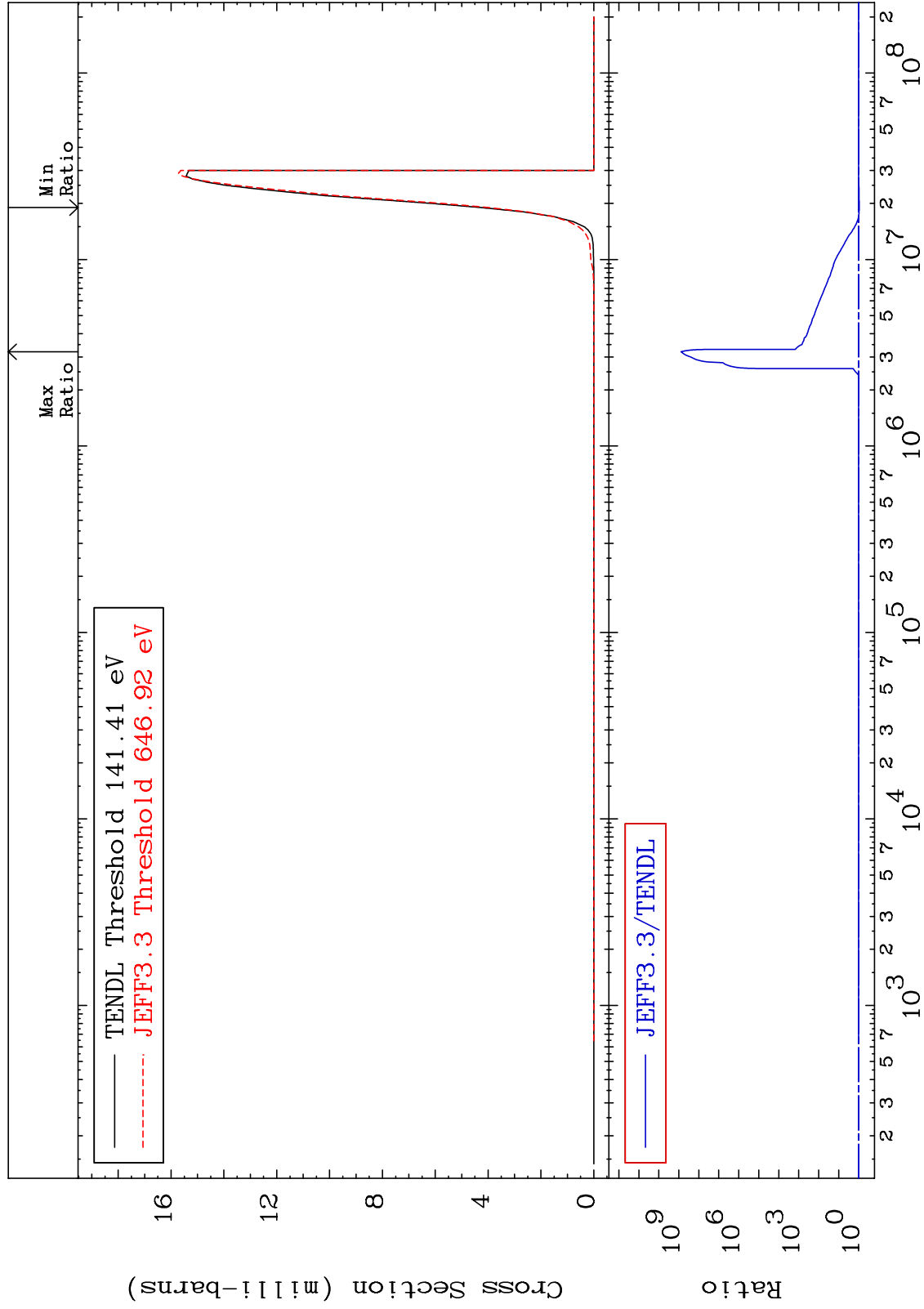
MAT 6625

(n, n')  $\alpha$

Cross Section

66-Dy-156

-6.850 To 9999. %





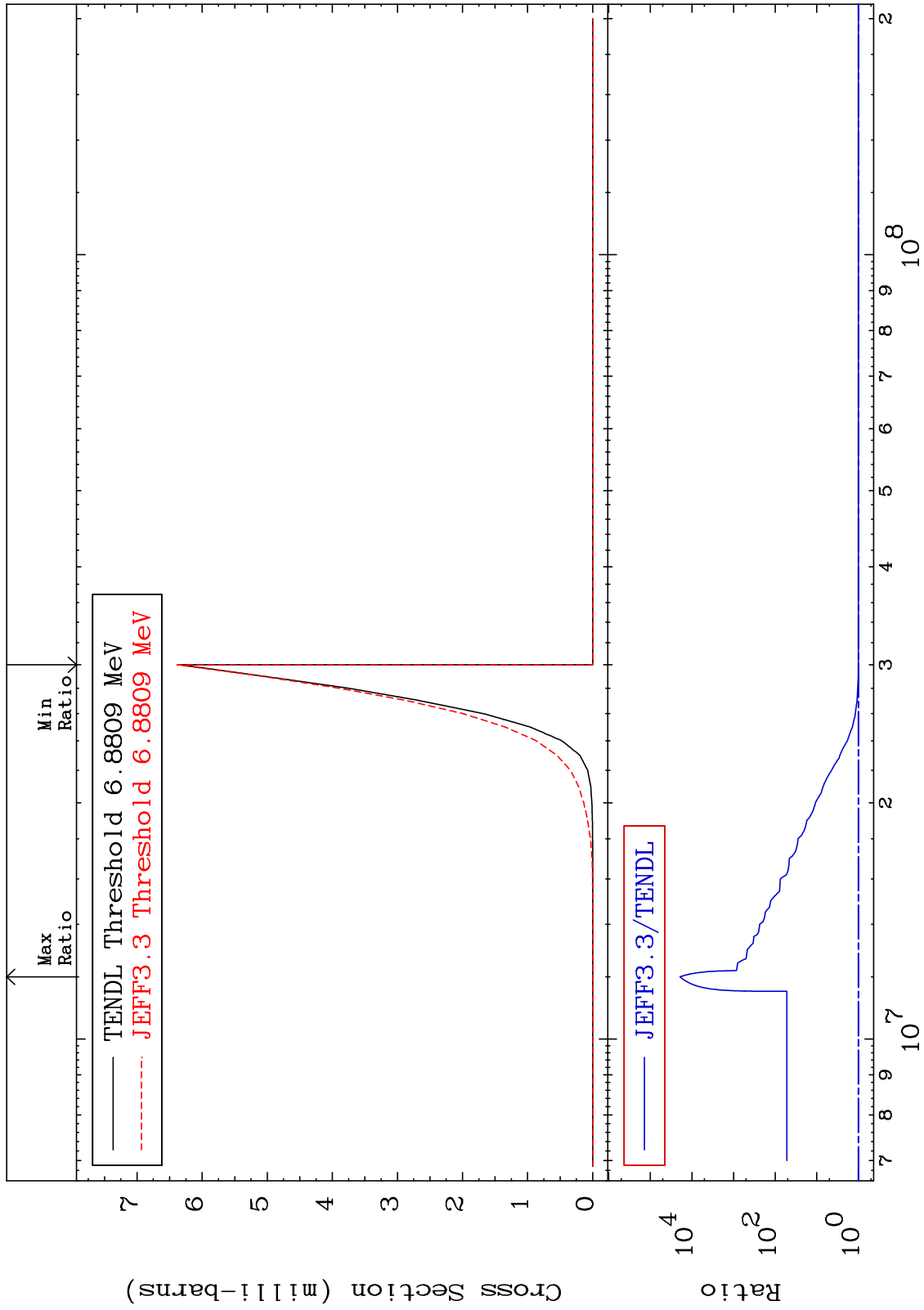
MAT 6625

(n,2n)  $\alpha$

66-Dy-156

Cross Section

0.000 To 9999. %



8

Incident Energy (eV)

66-Dy-156

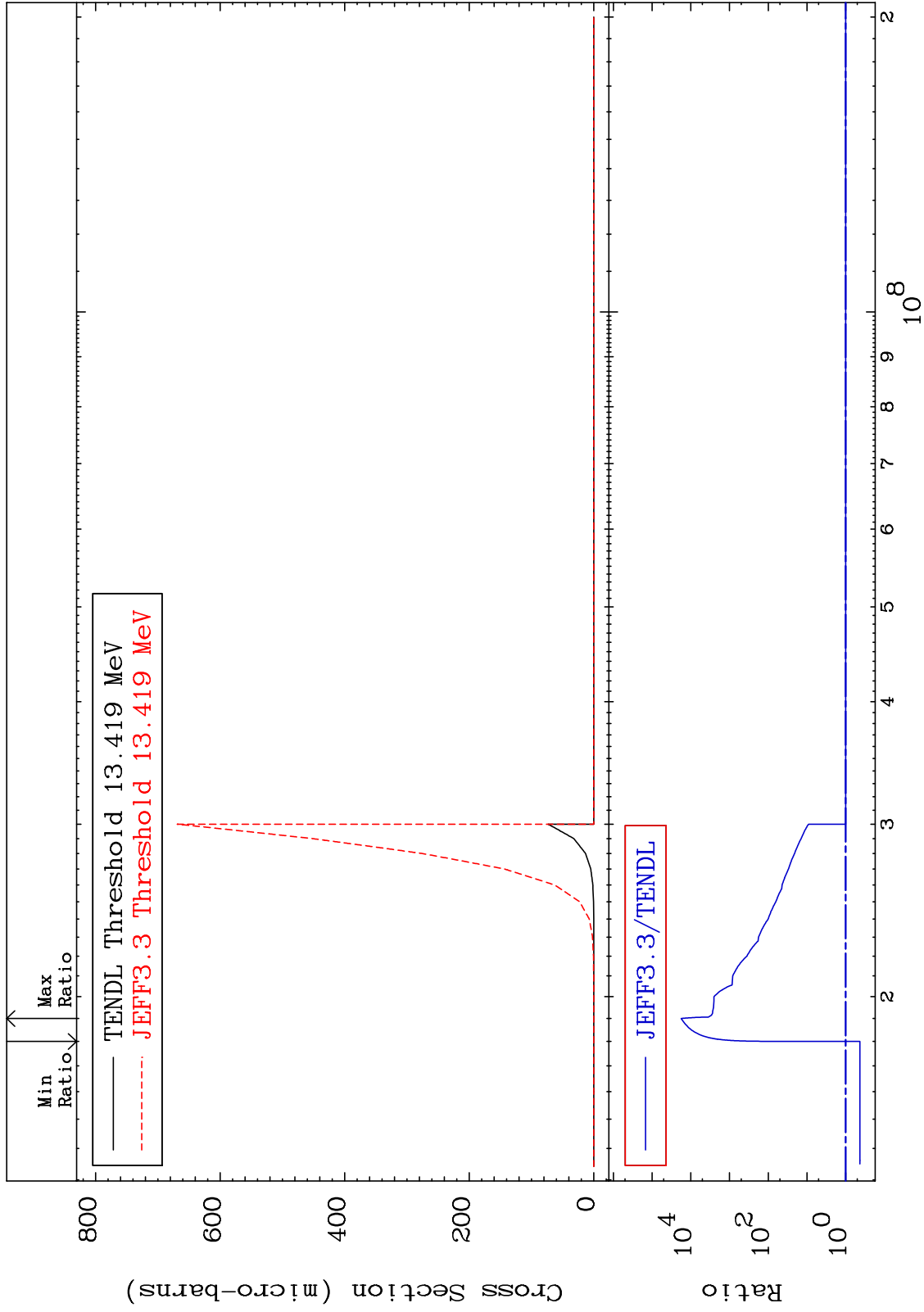
MAT 6625

(n, 3n)  $\alpha$

66-Dy-156

Cross Section

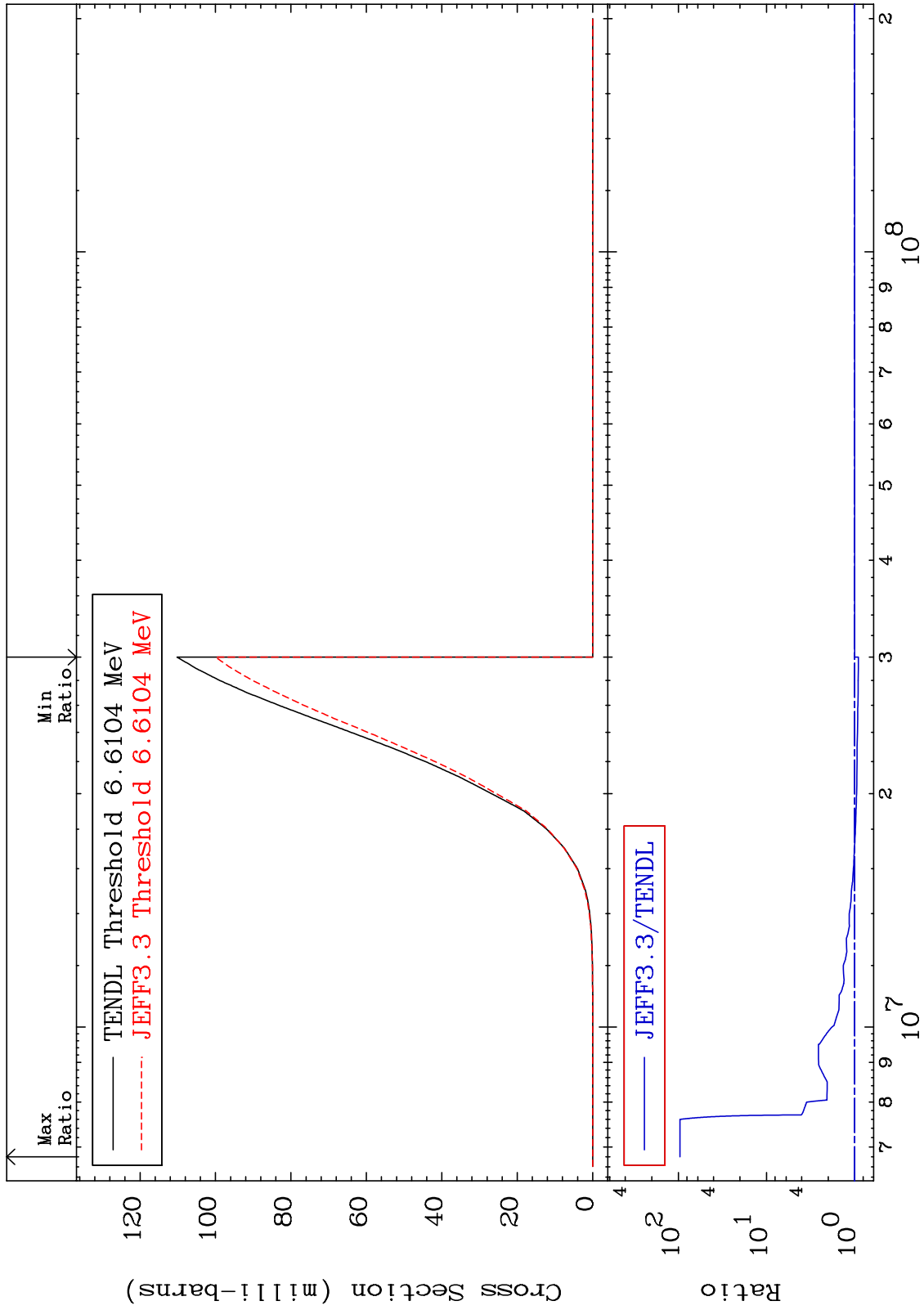
-57.13 To 9999. %



MAT 6625

(n,n') p  
Cross Section

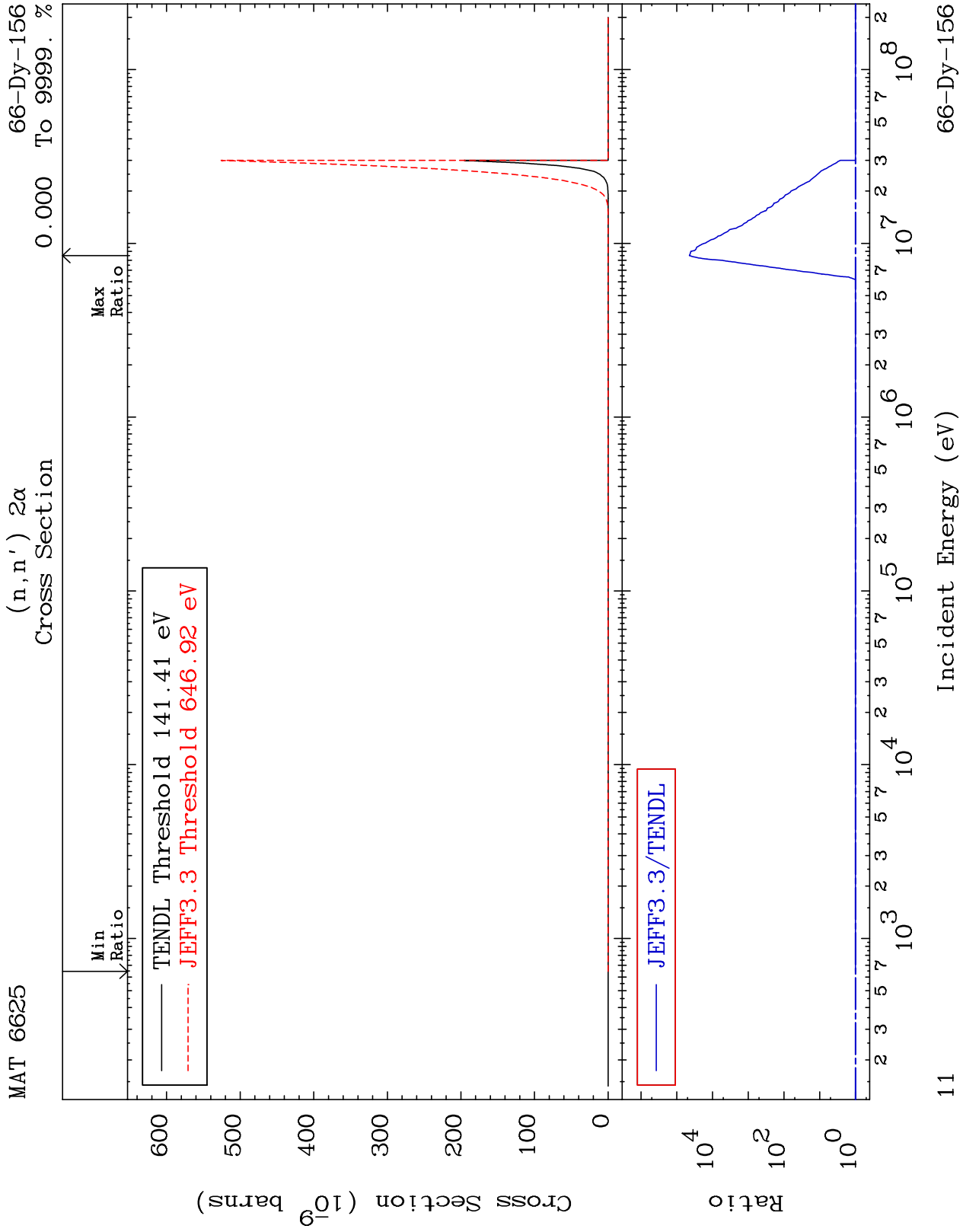
66-Dy-156  
-9.243 To 9479. %



10

Incident Energy (eV)

66-Dy-156



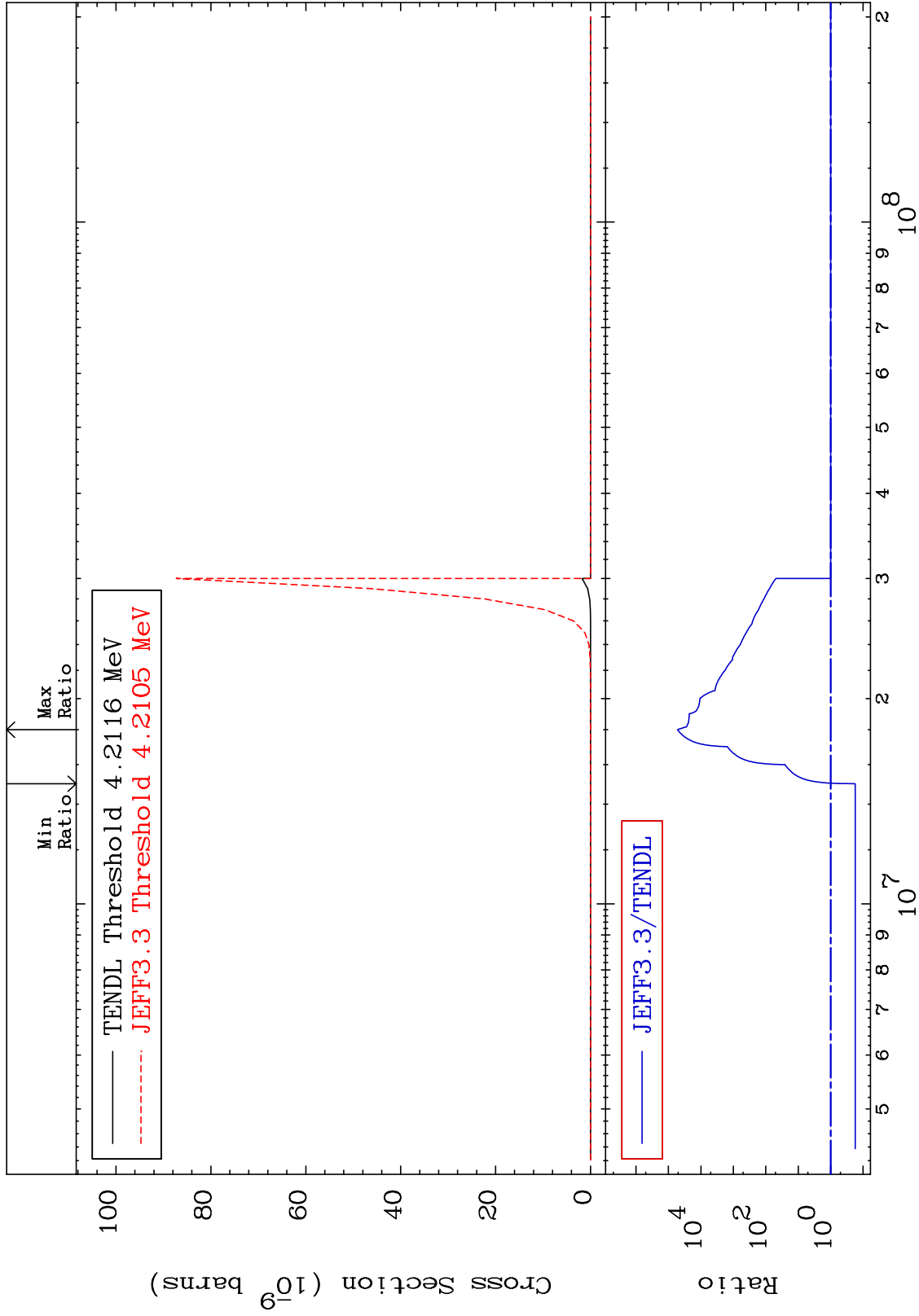
MAT 6625

(n,2n) 2α

66-Dy-156

-82.60 To 9999. %

Cross Section



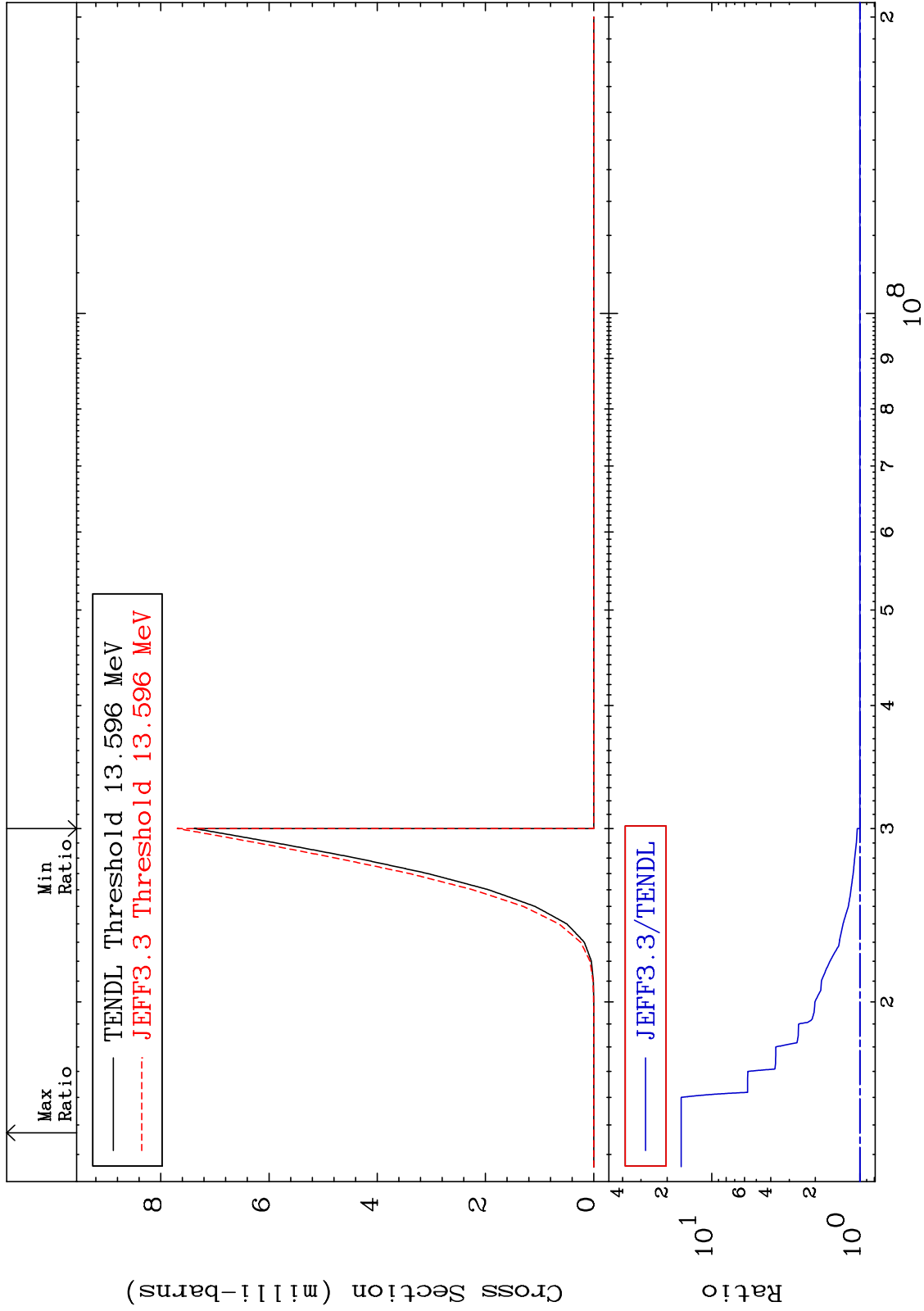
MAT 6625

(n, n') d

66-Dy-156

Cross Section

0.000 To 1507. %



MAT 6625

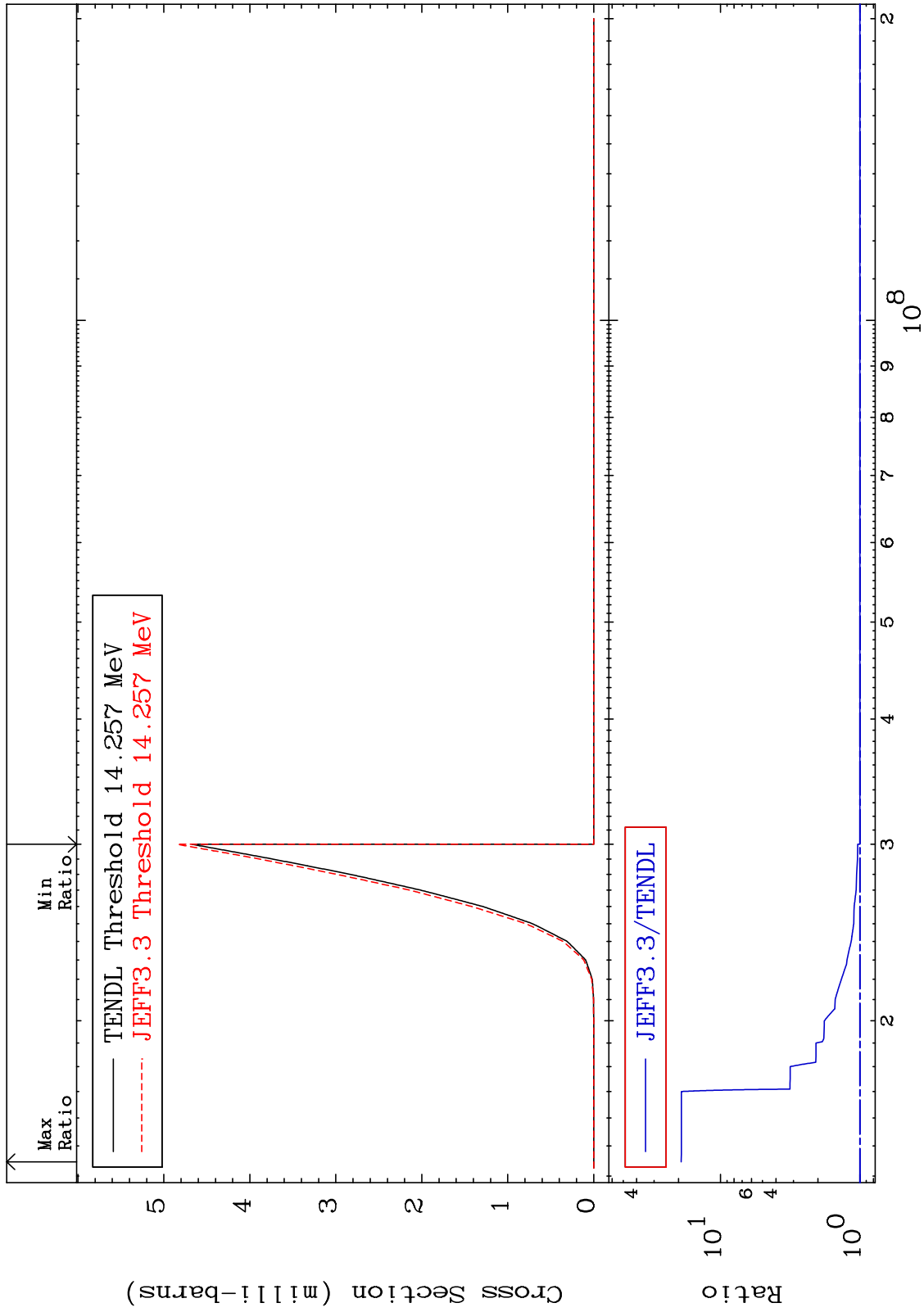
(n, n') t

66-Dy-156

Cross Section

0.000

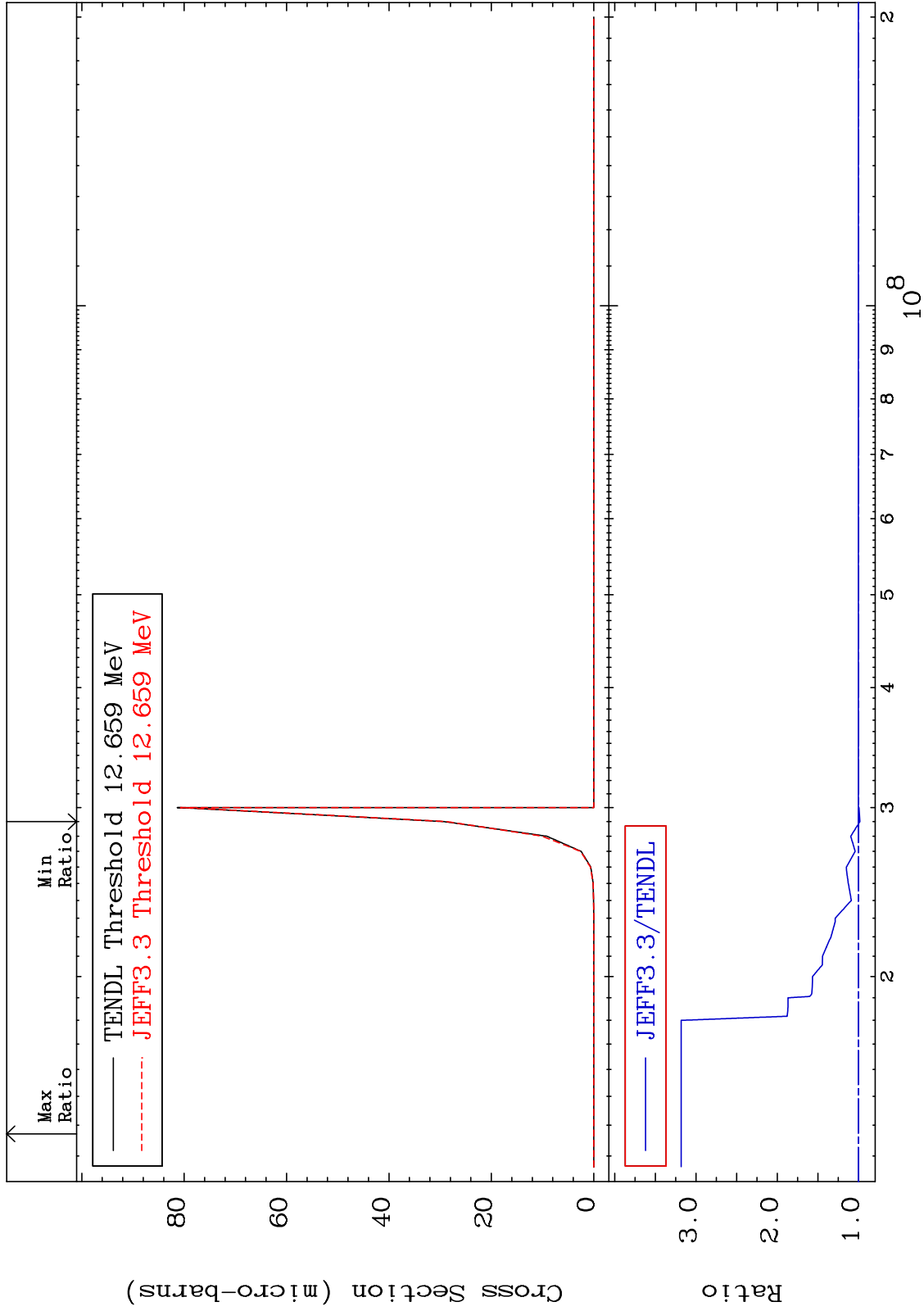
To 1816. %



MAT 6625

(n, n') He-3  
Cross Section

66-Dy-156  
-1.819 To 218.2 %





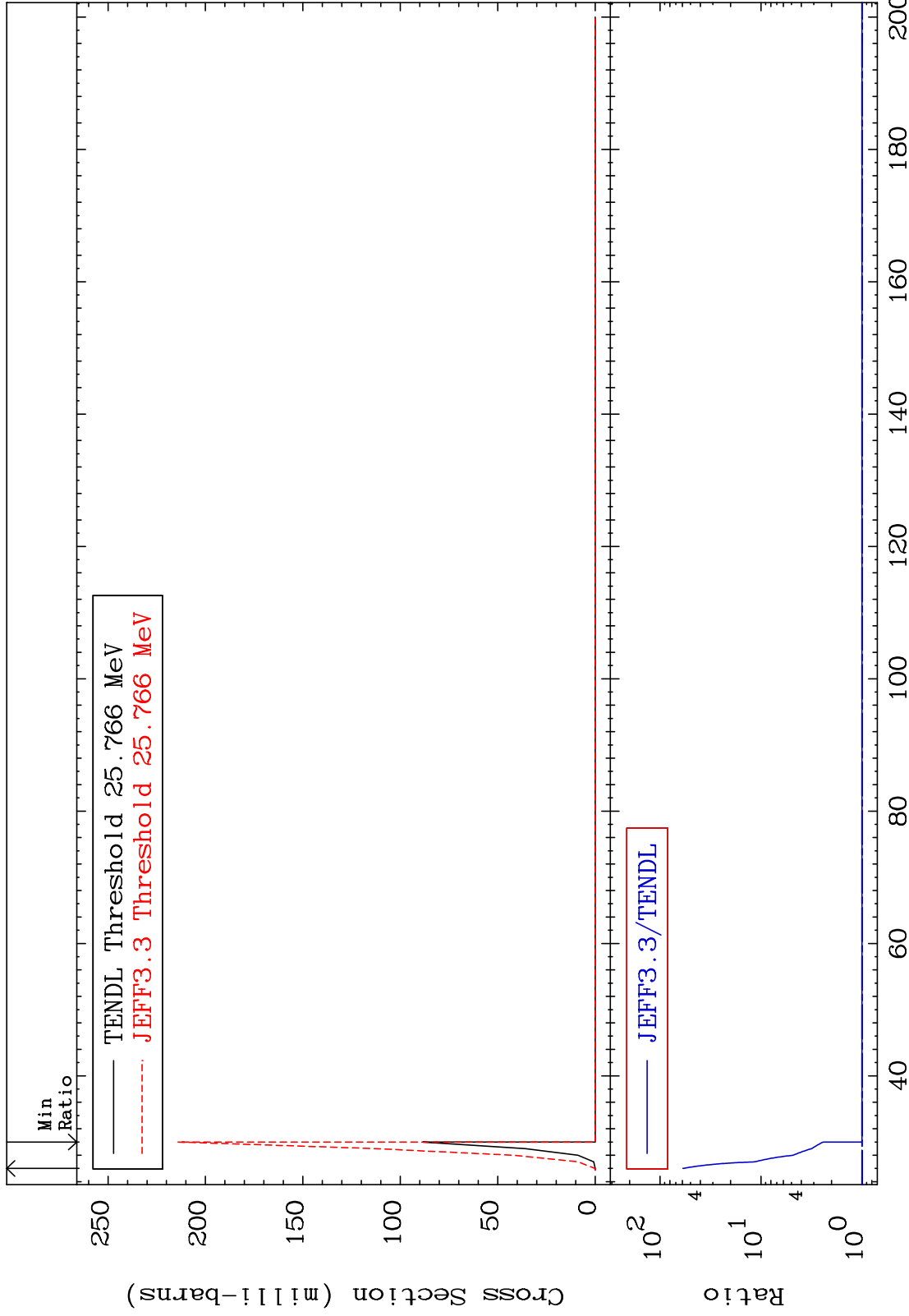
MAT 6625

(n, 4n)

66-Dy-156

Cross Section

0.000 To 5845. %



MAT 6625

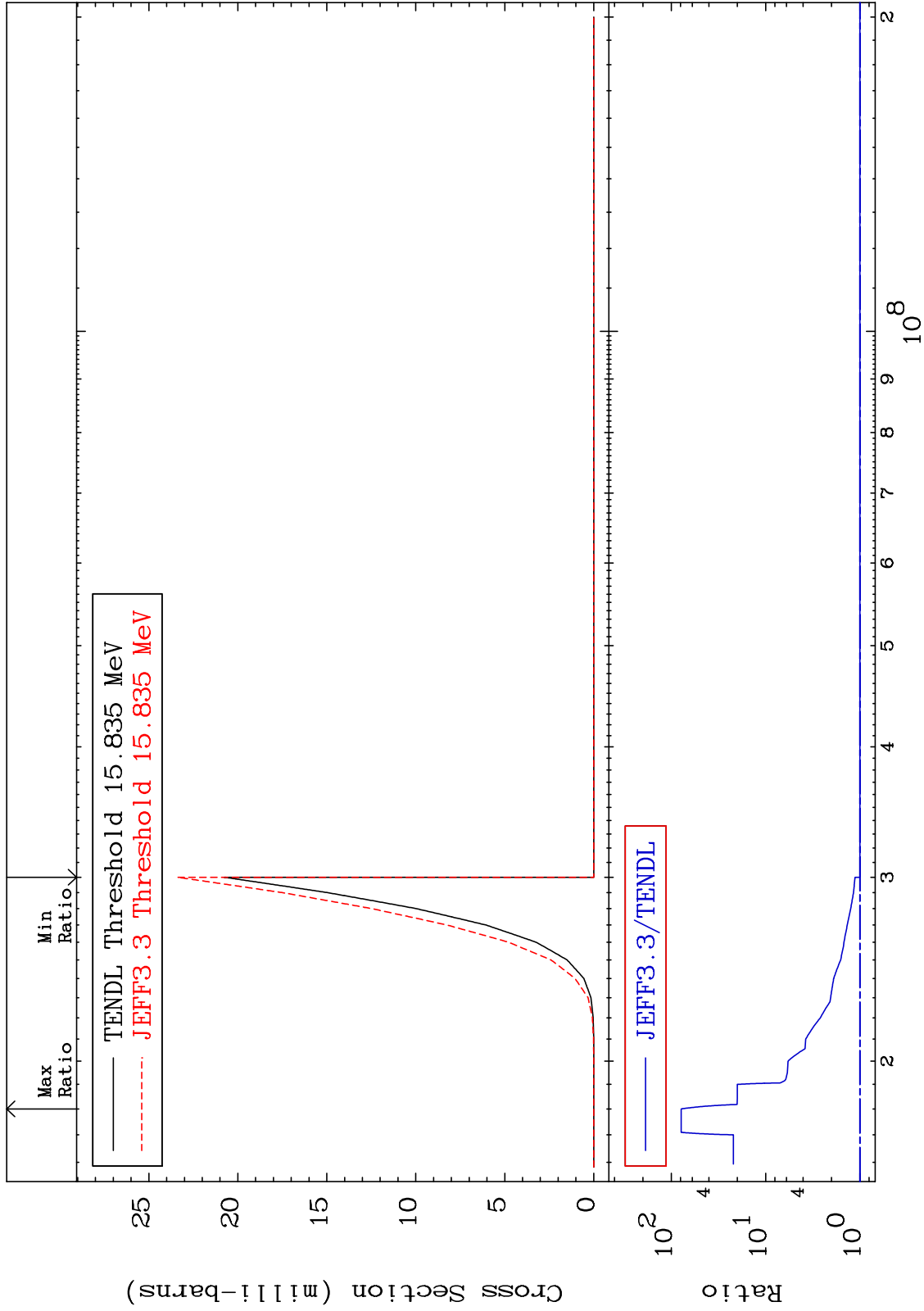
(n,2n) p

66-Dy-156

Cross Section

0.000

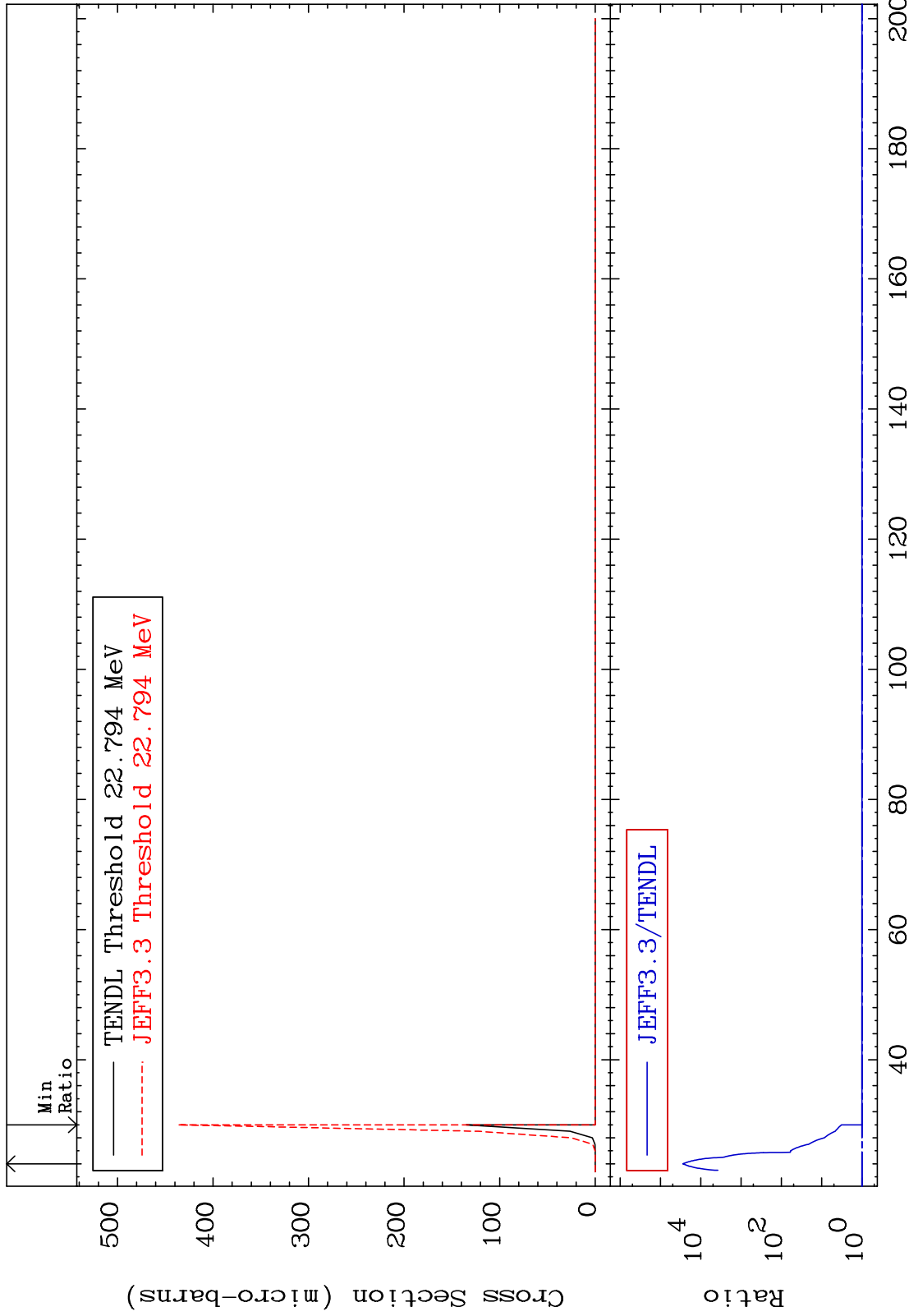
To 7761. %



MAT 6625

(n, 3n) p  
Cross Section

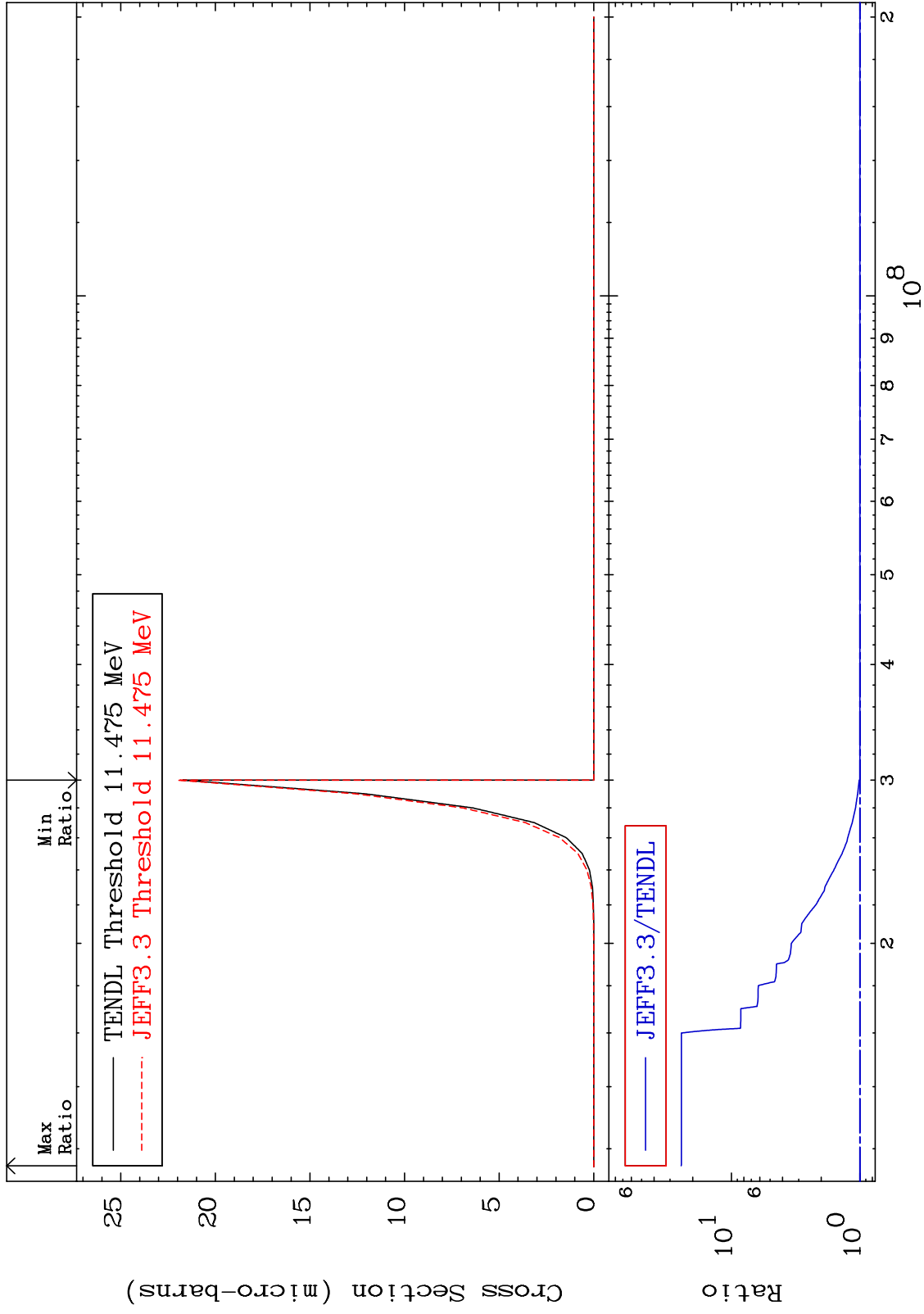
66-Dy-156  
0.000 To 9999. %



MAT 6625

(n,2n) p  
Cross Section

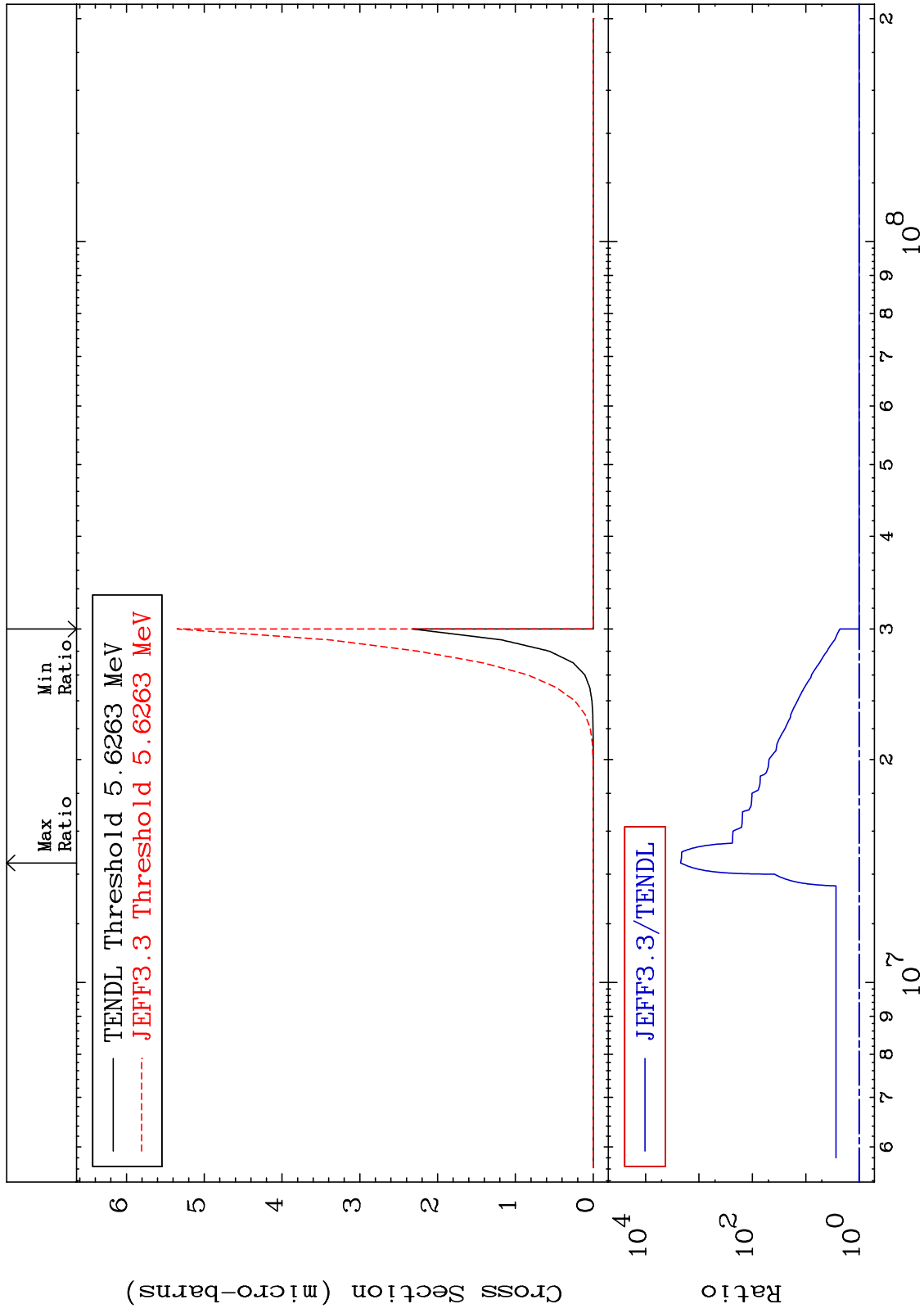
66-Dy-156  
To 2356. %  
0.000



MAT 6625

(n,n') p  $\alpha$   
Cross Section

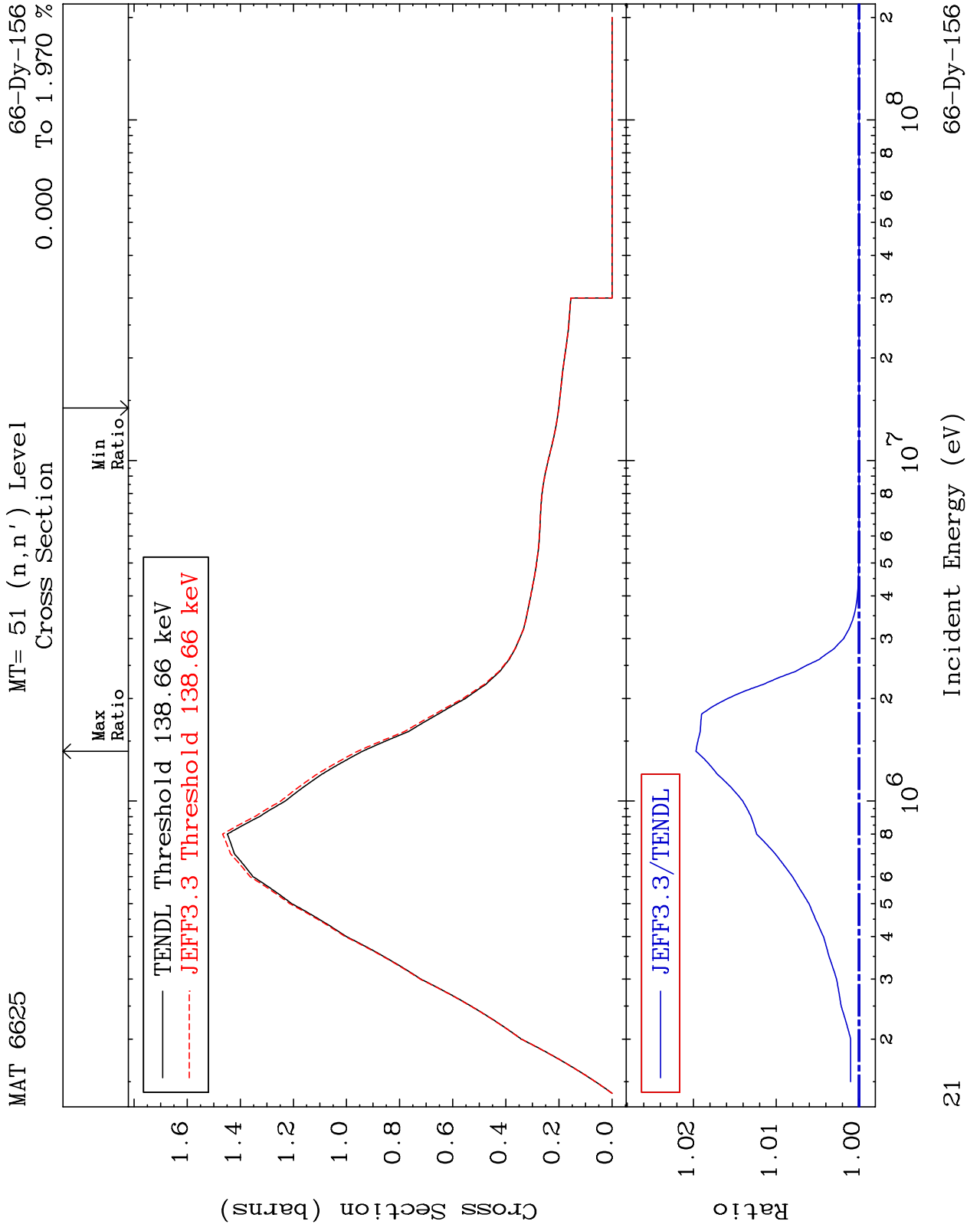
66-Dy-156  
To 9999. %  
0.000



20

Incident Energy (eV)

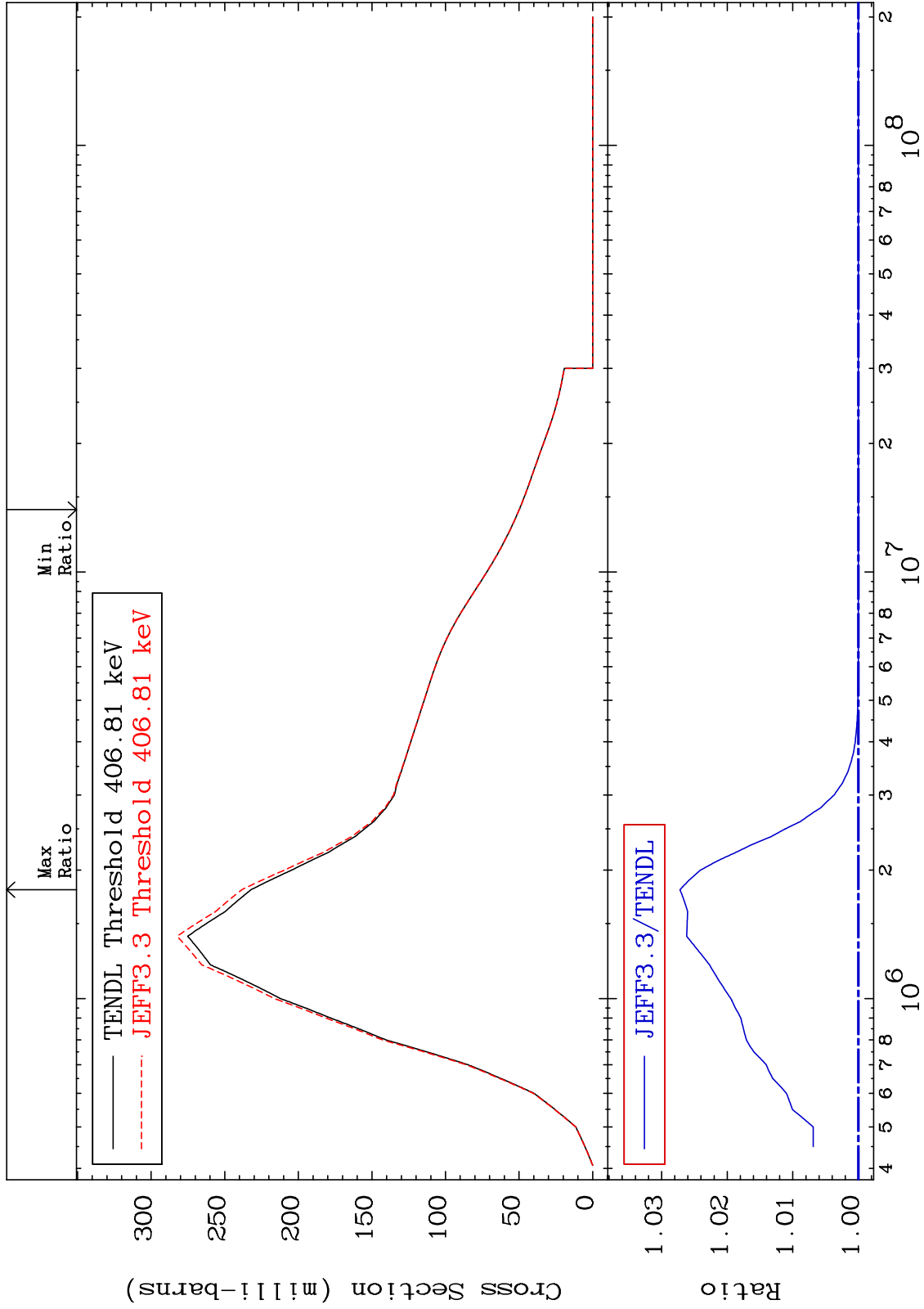
66-Dy-156



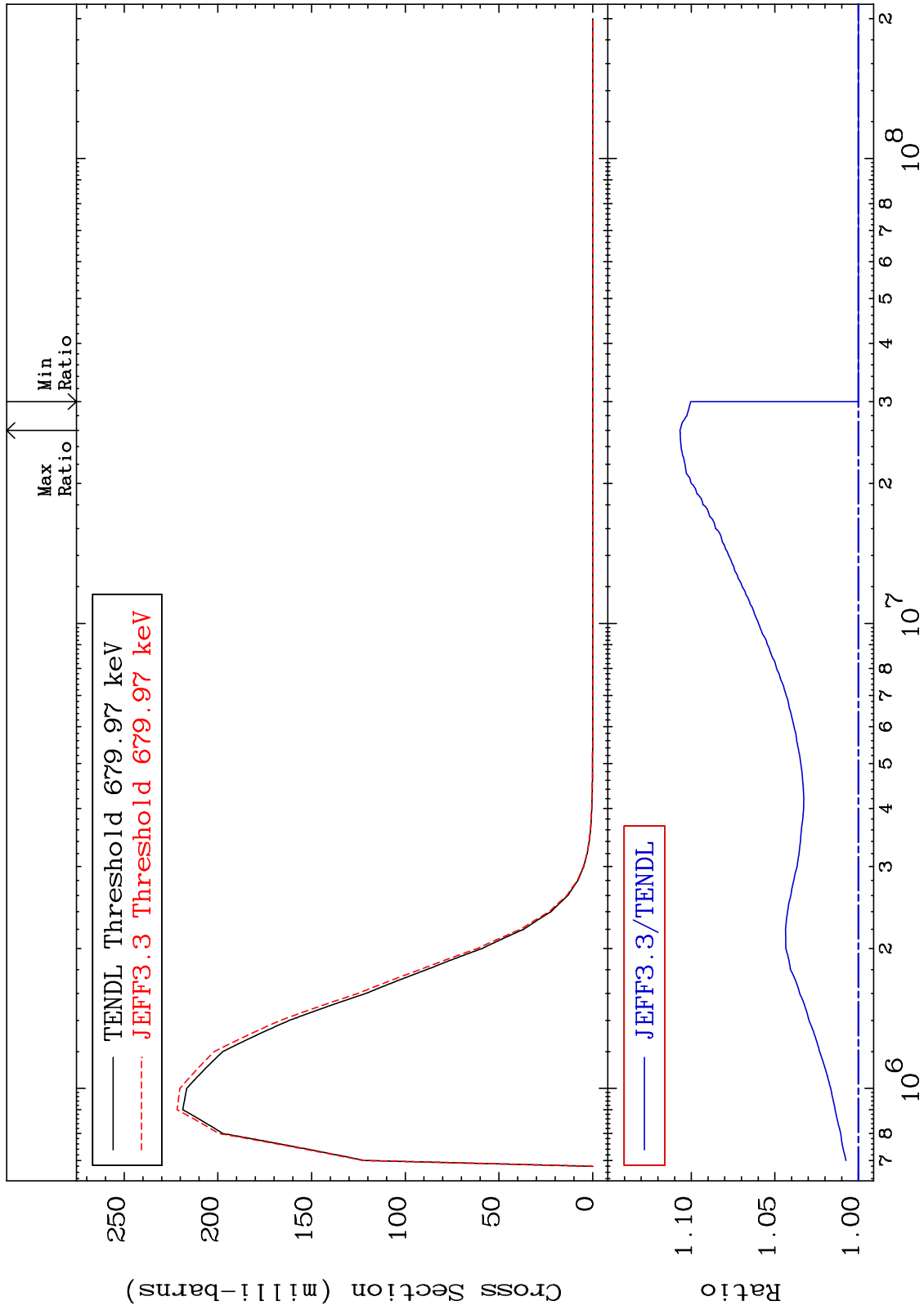
MAT 6625

MT= 52 (n,n') Level  
Cross Section

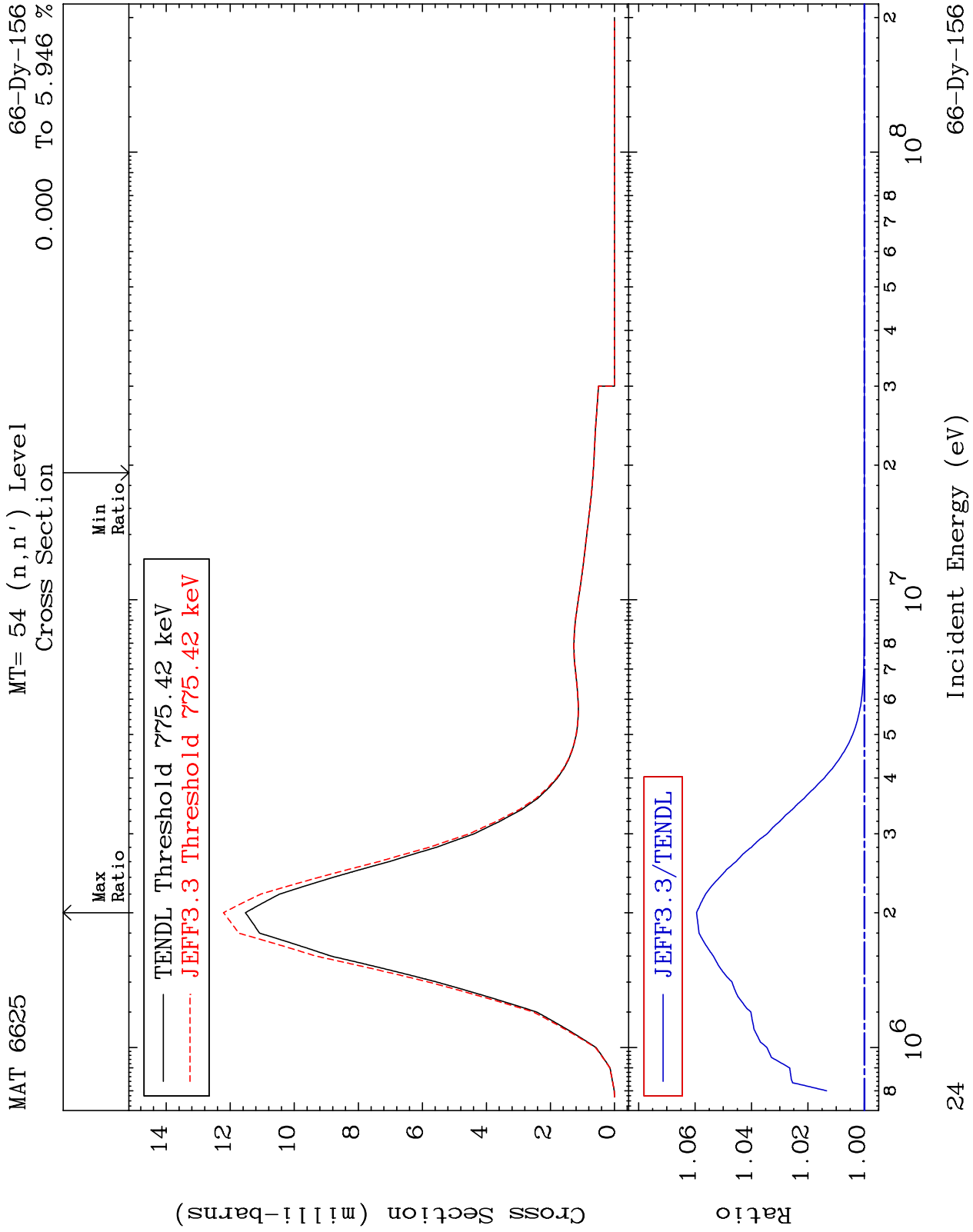
66-Dy-156  
0.000 To 2.719 %

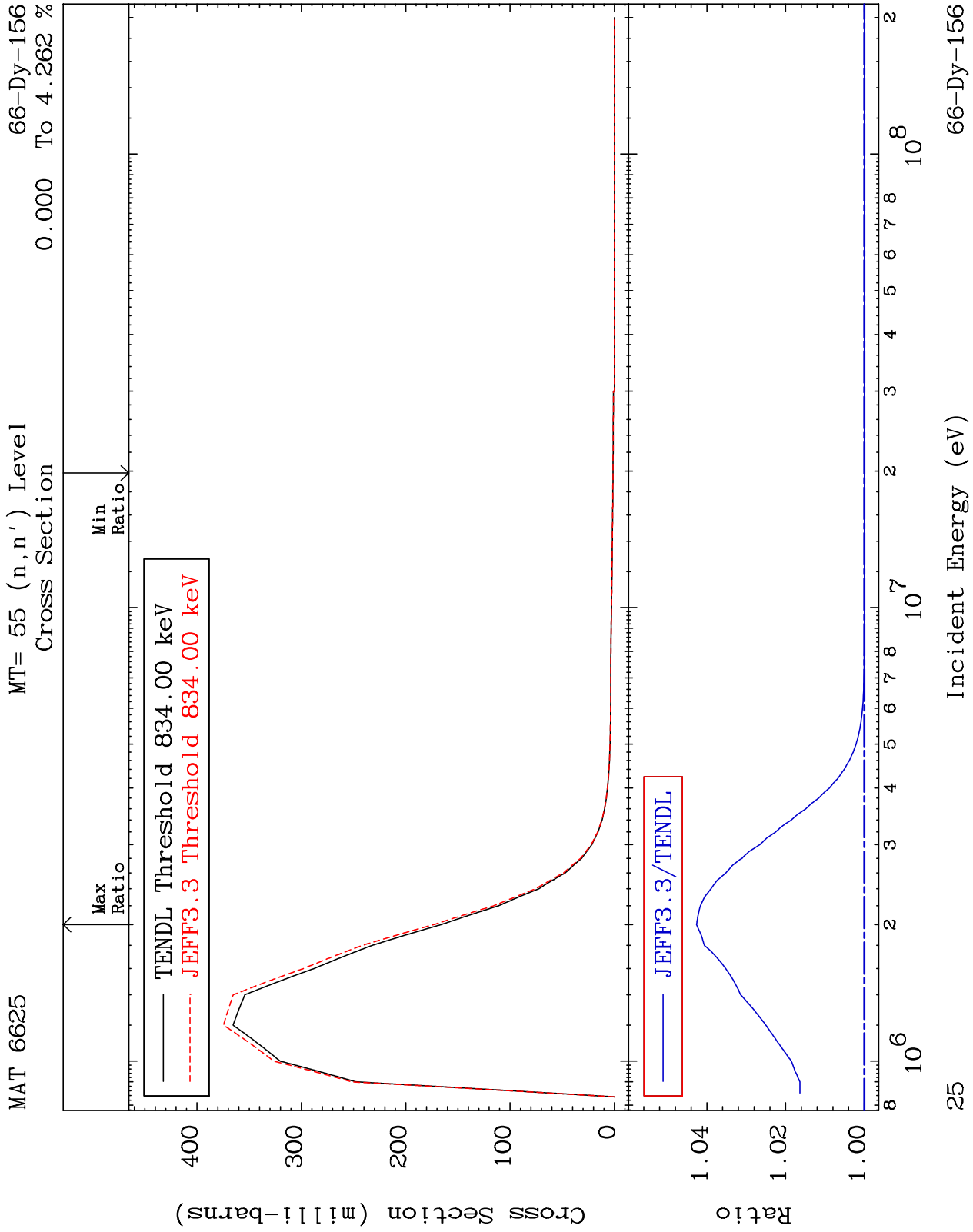


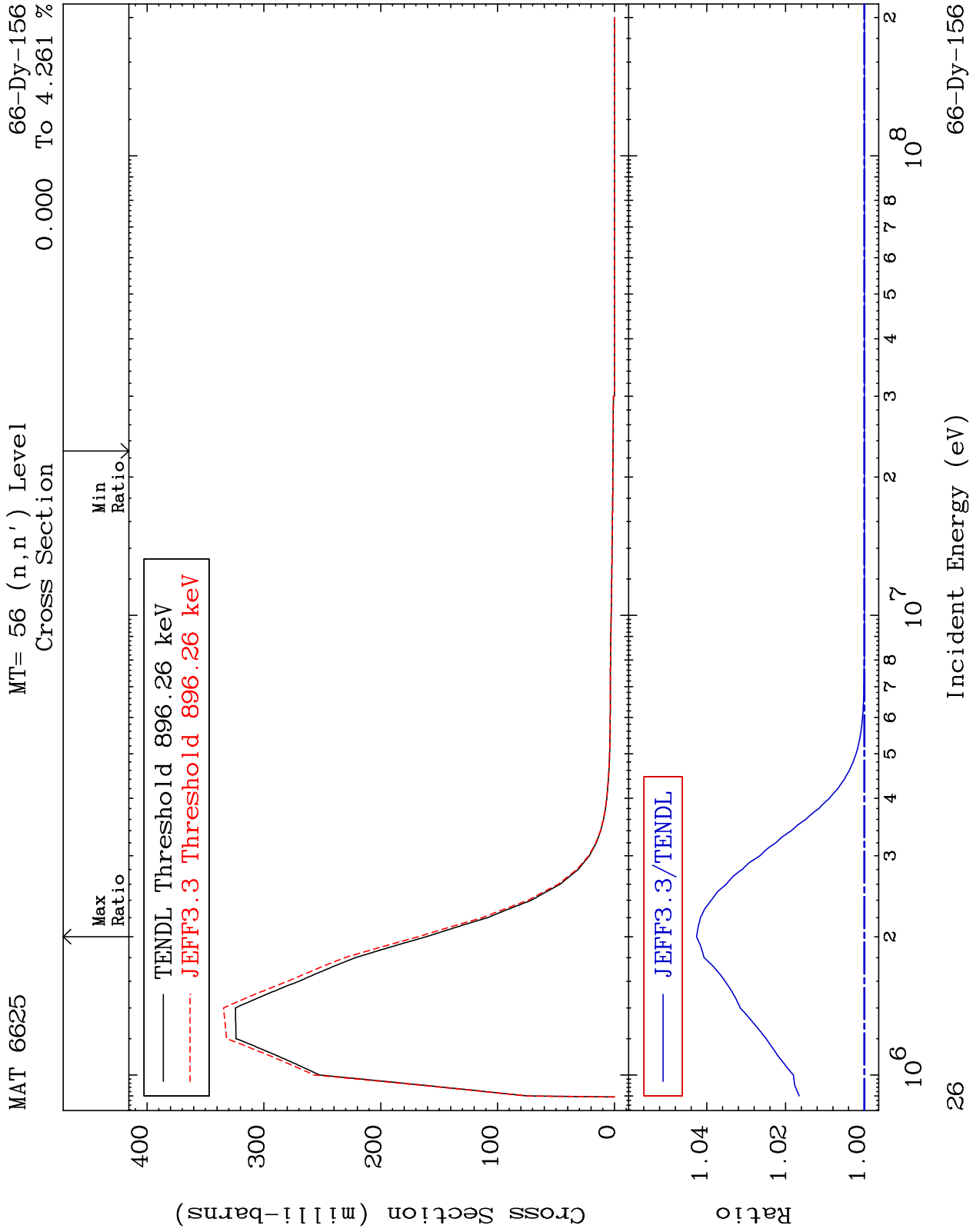
MAT 6625 MT= 53 (n,n') Level Cross Section 66-Dy-156 To 10.68 %







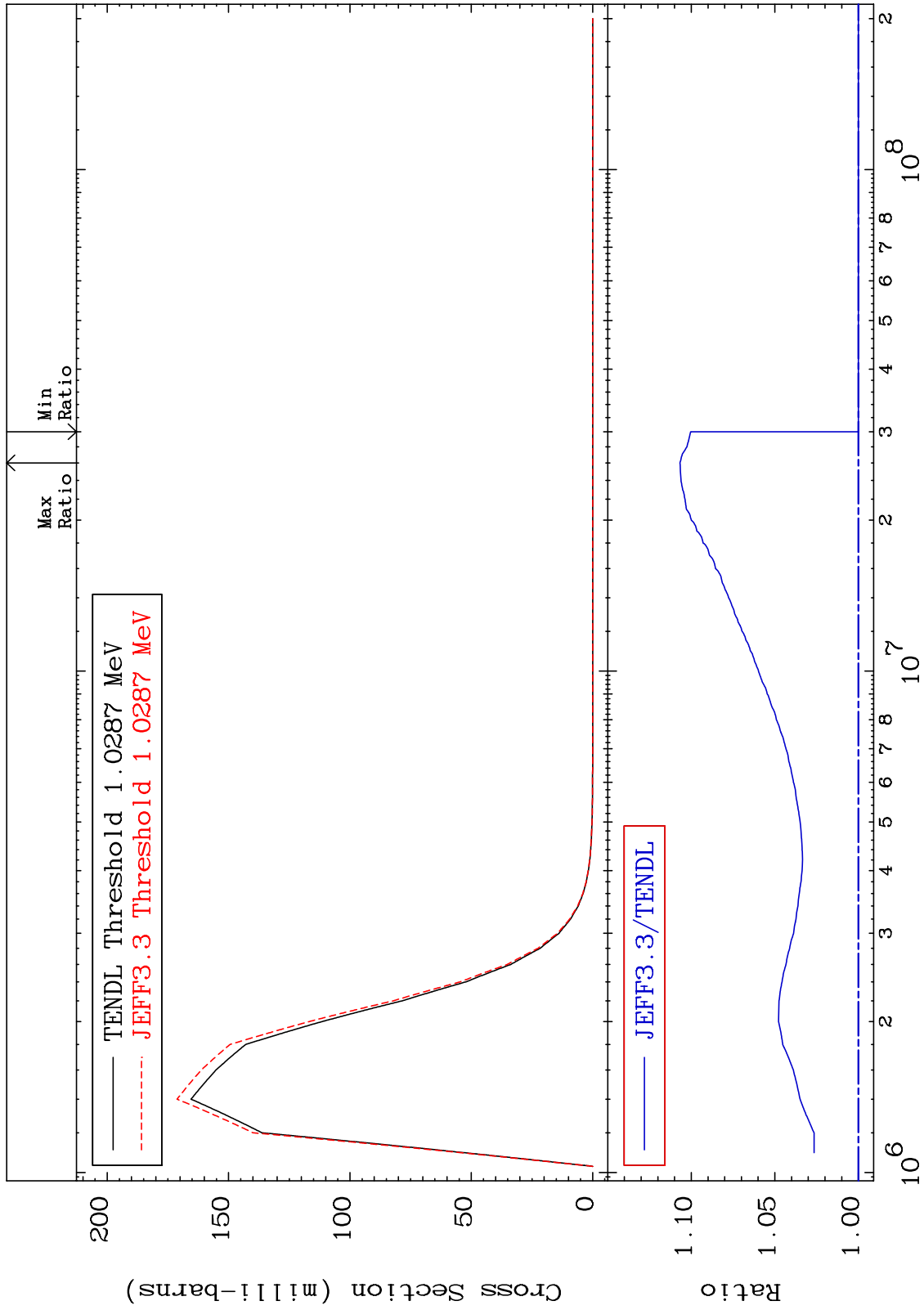




MAT 6625

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

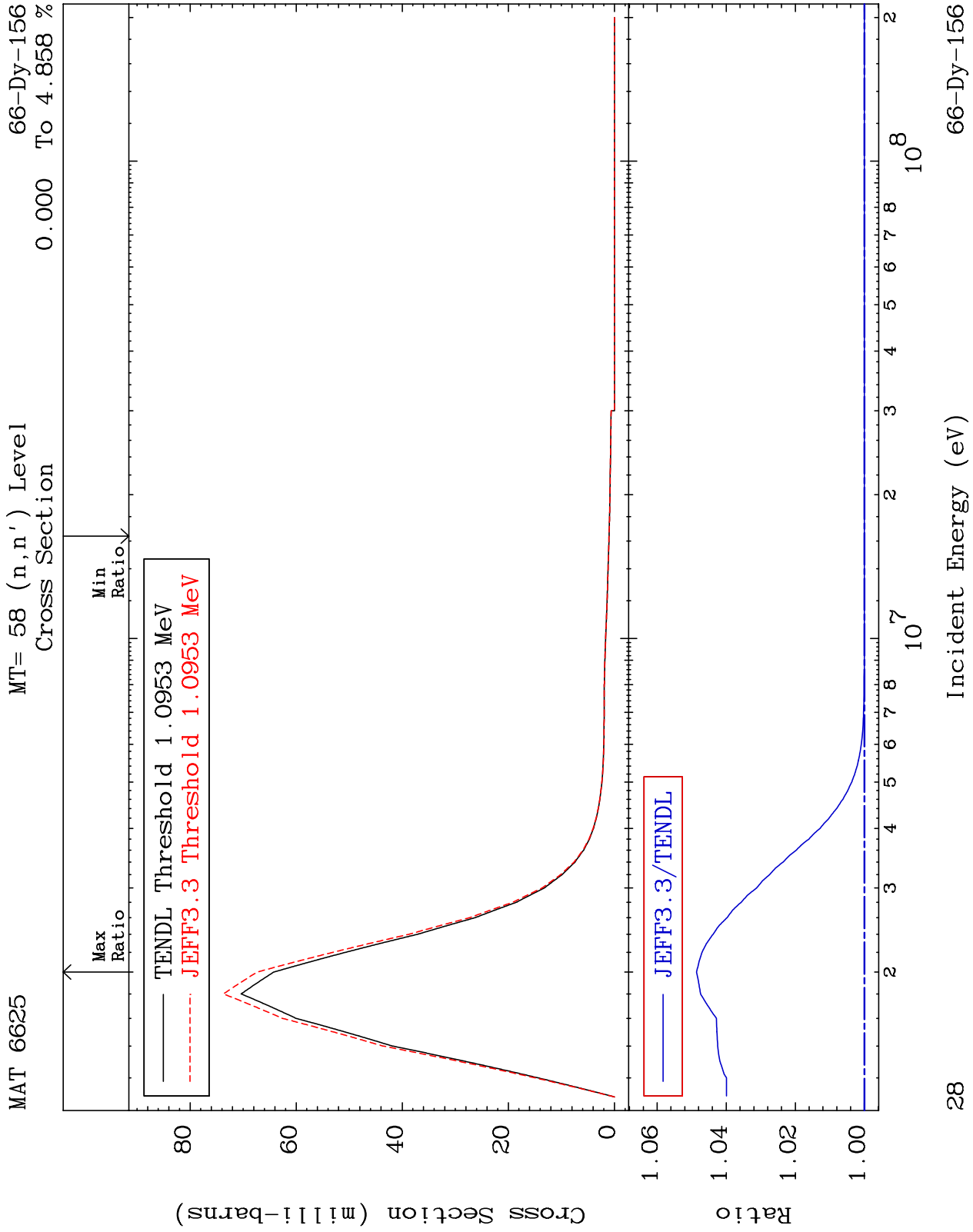
66-Dy-156  
To 10.67 %  
0.000



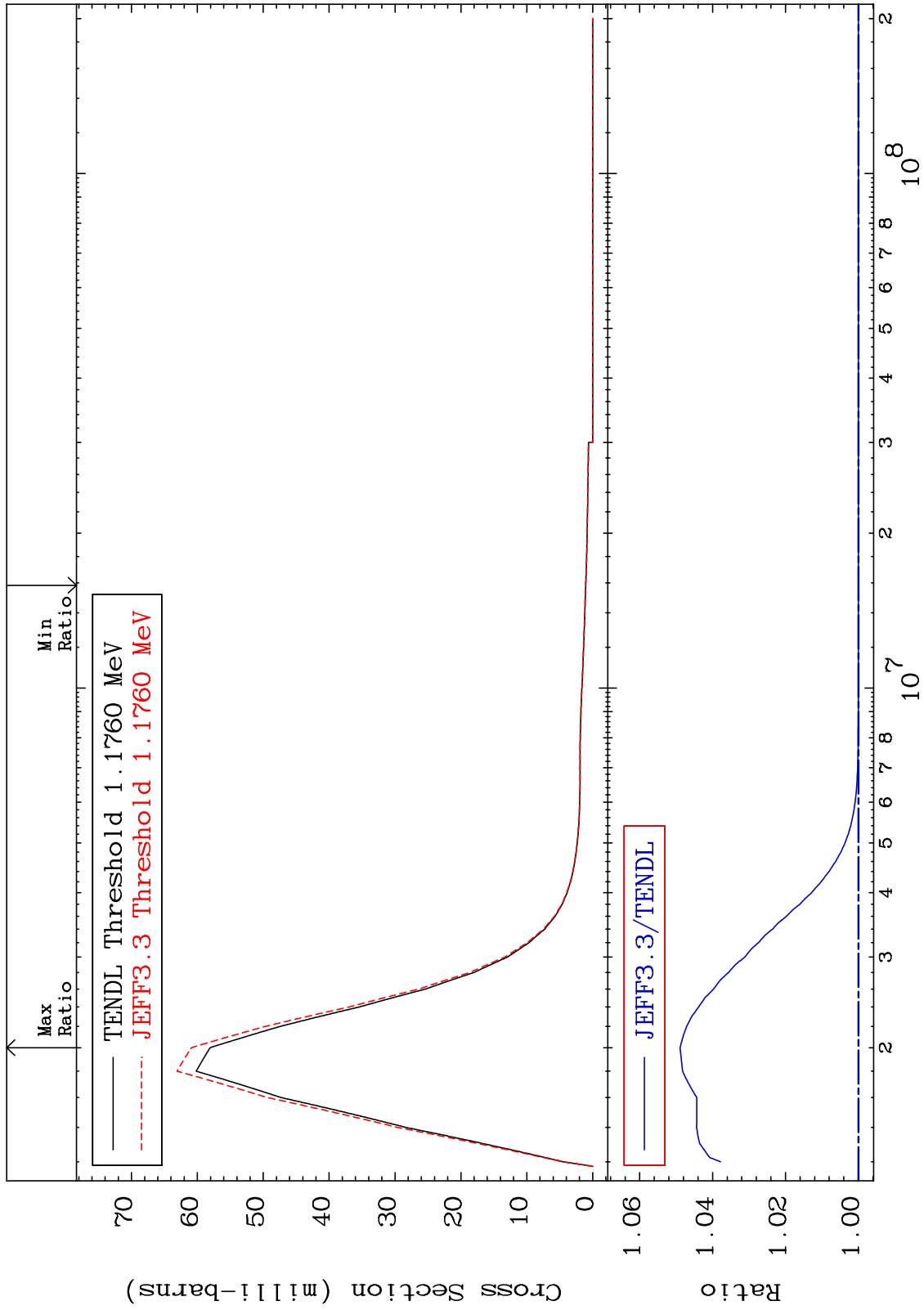
27

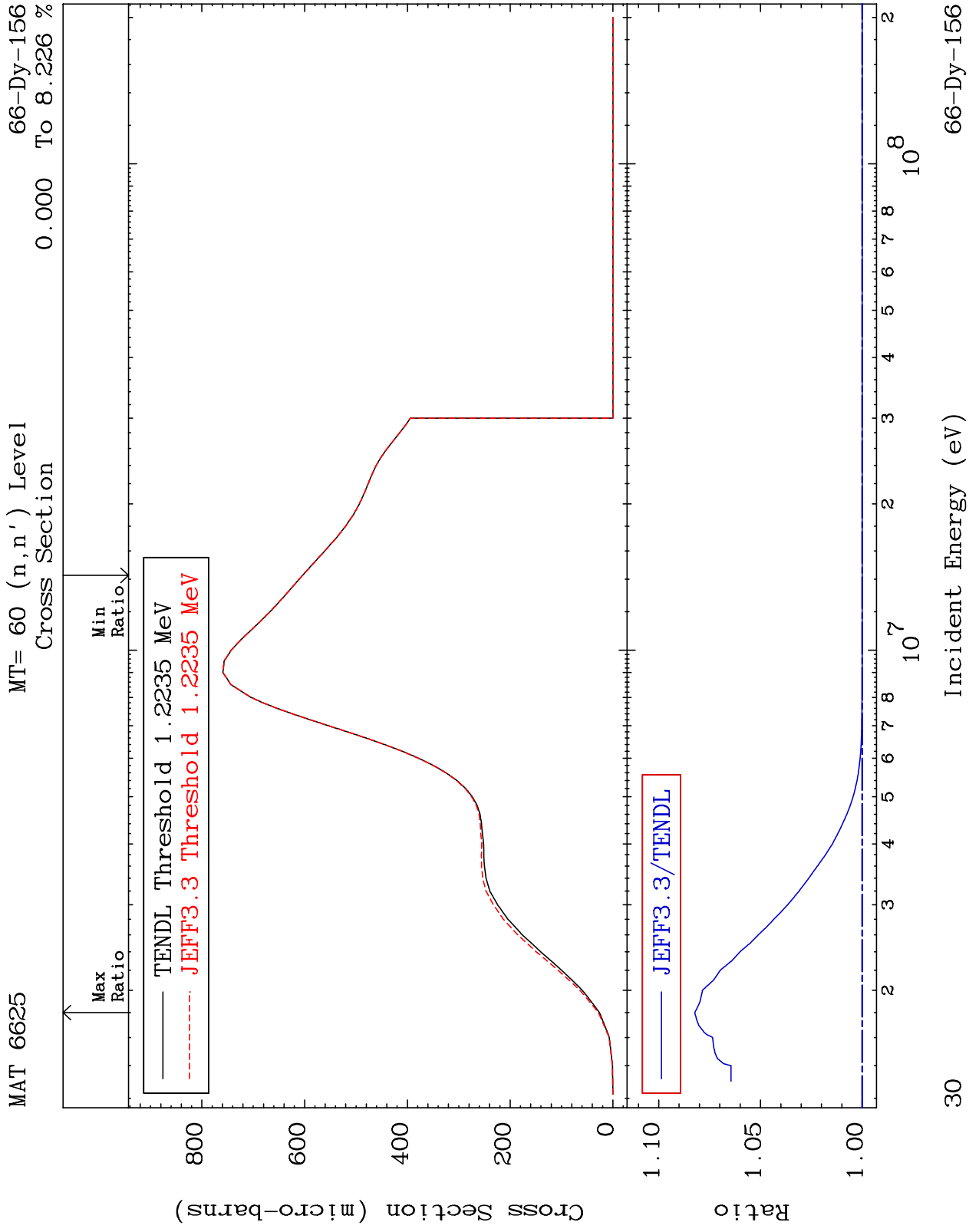
Incident Energy (eV)

66-Dy-156

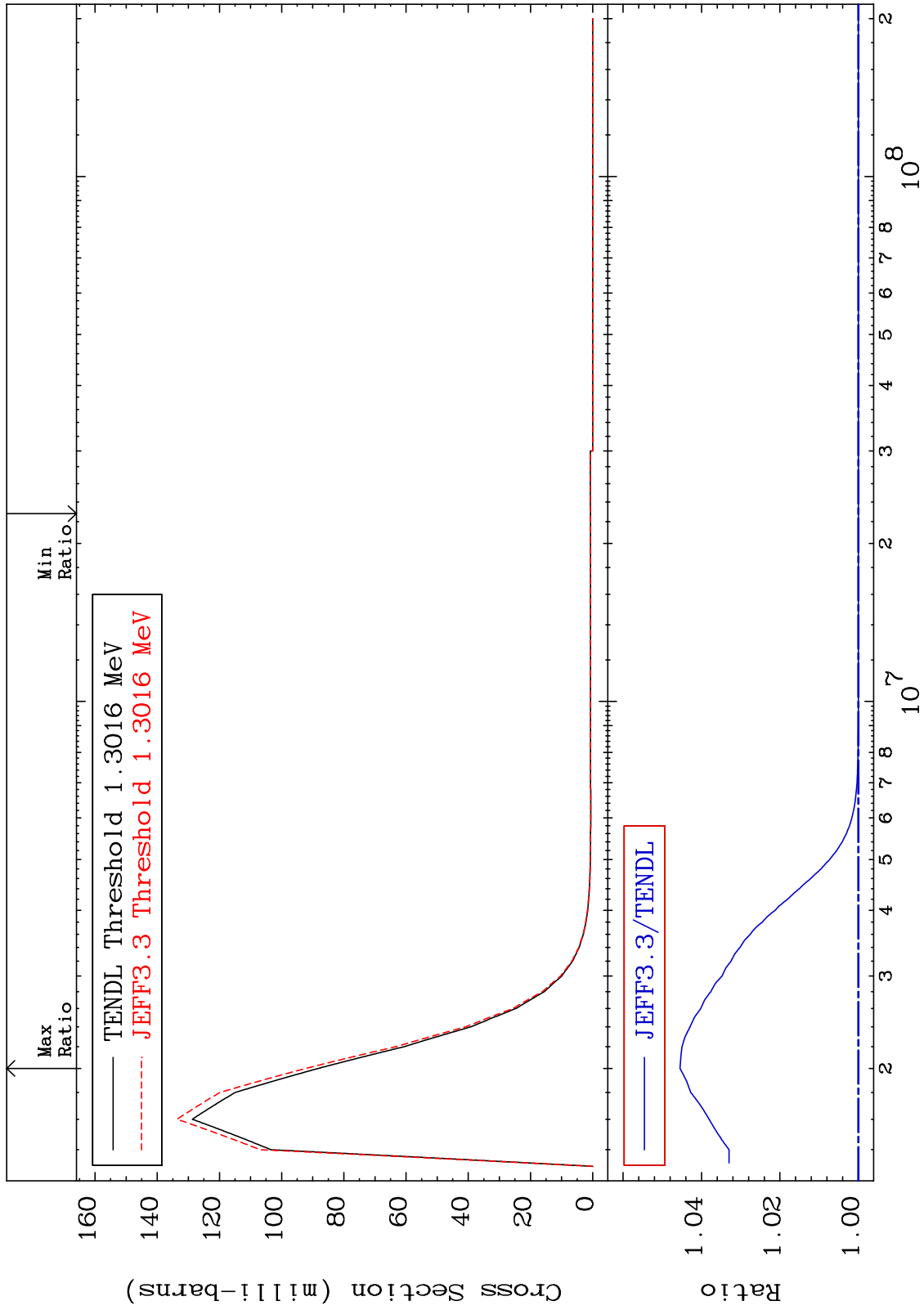


MAT 6625 MT= 59 (n, n') Level Cross Section 66-Dy-156 To 4.894 %





MAT 6625 MT= 61 (n, n') Level Cross Section 66-Dy-156 To 4.547 %  
 0.000

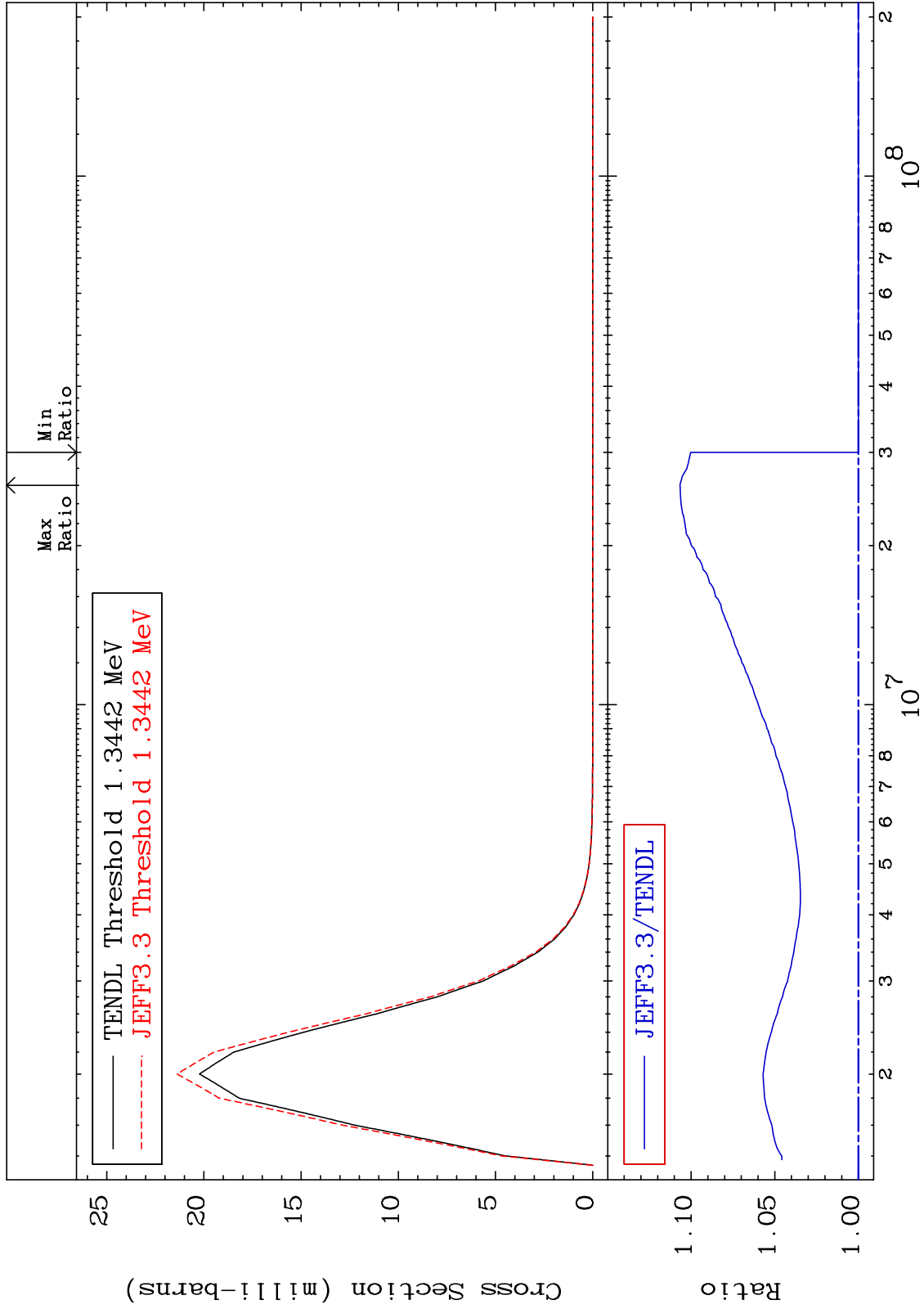




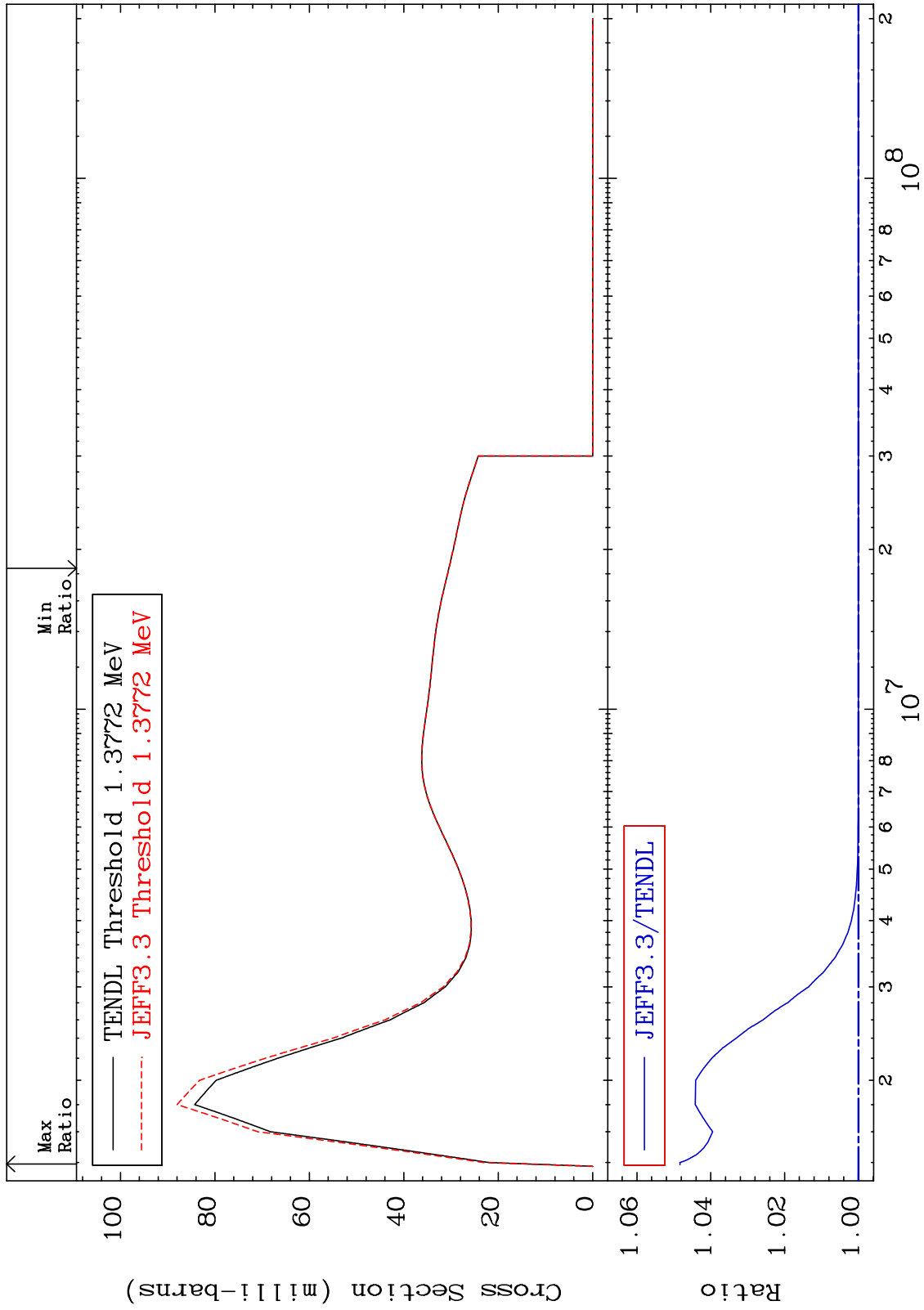
MAT 6625

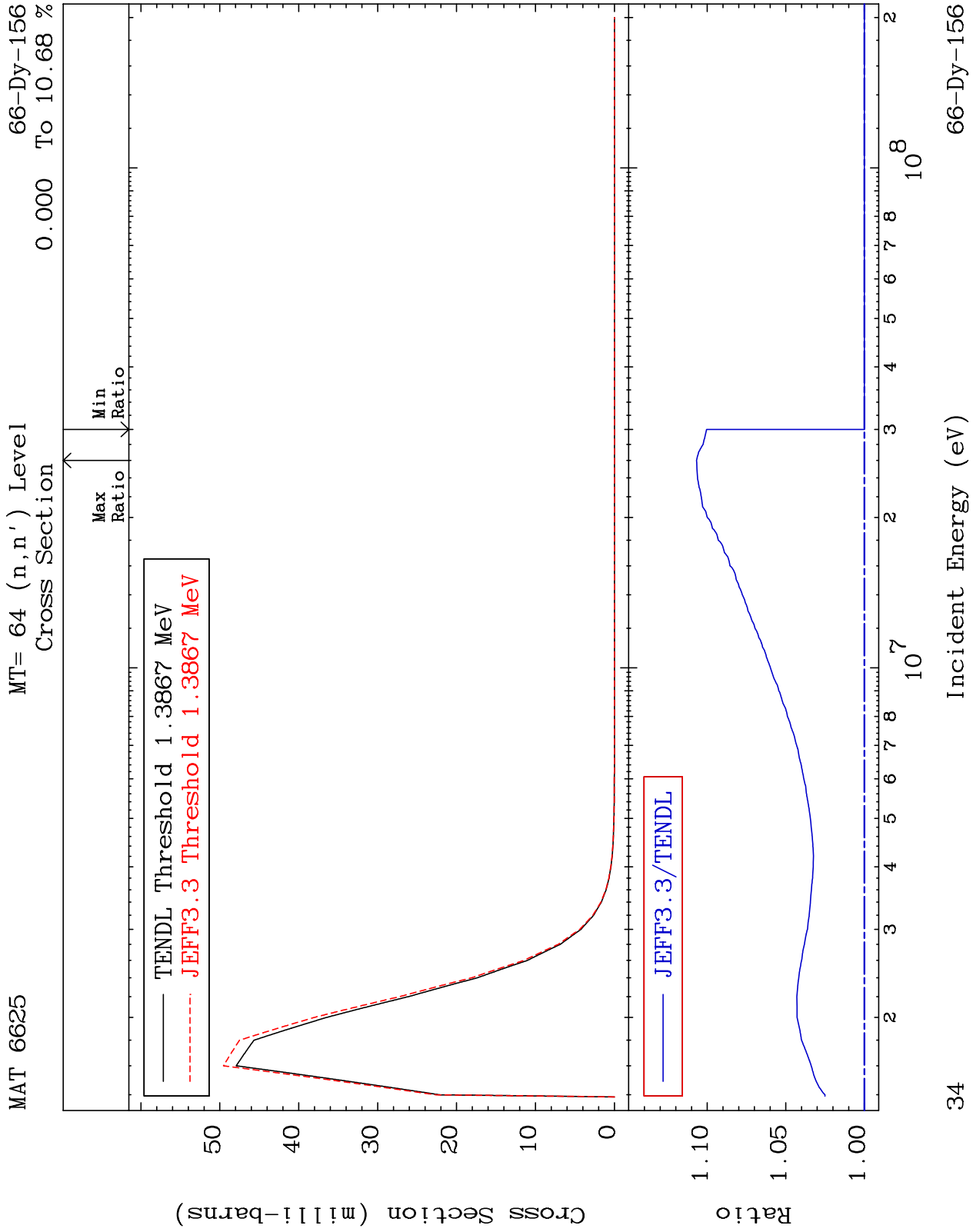
MT= 62 (n, n') Level  
Cross Section

66-Dy-156  
To 10.66 %  
0.000

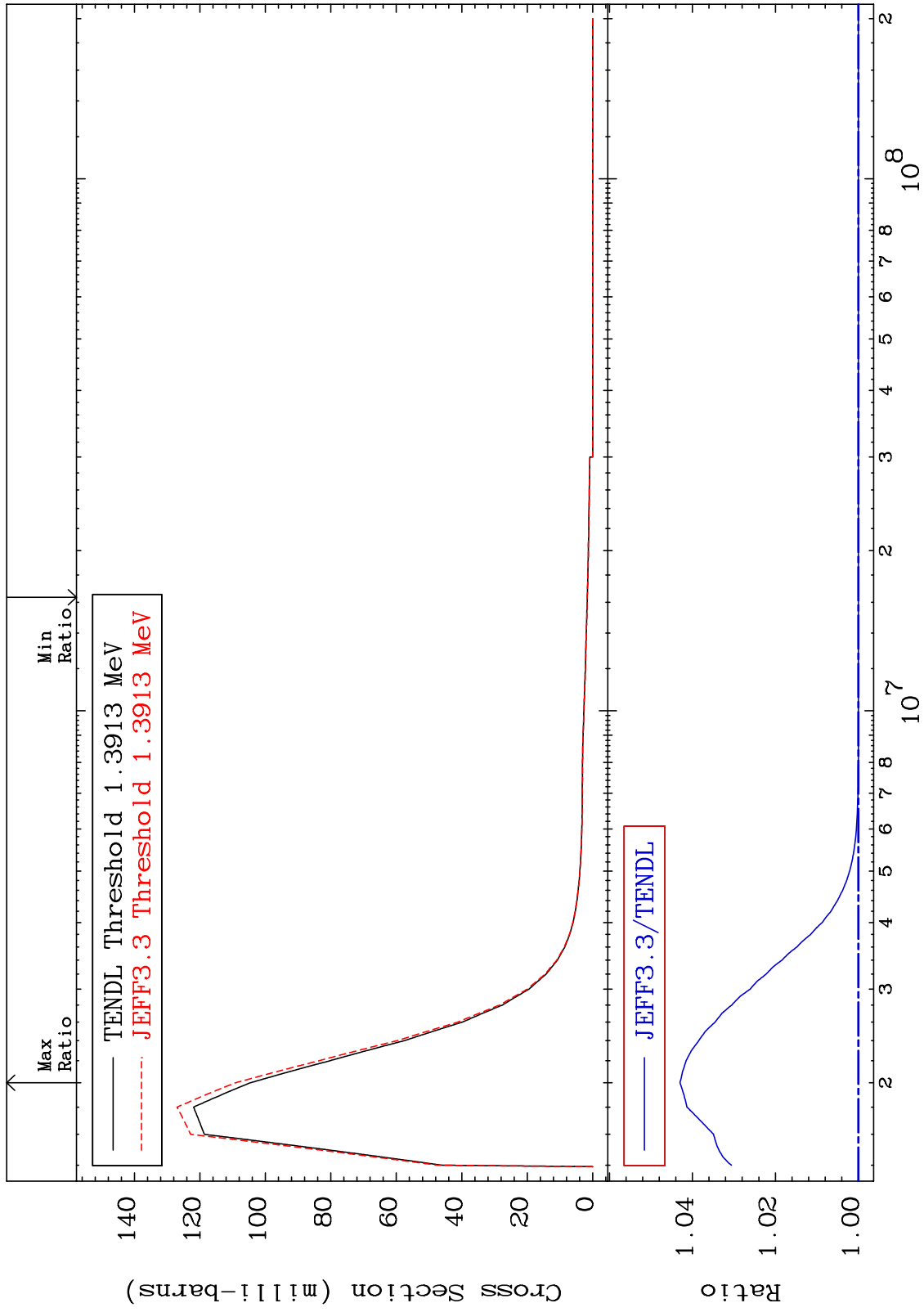


MAT 6625 MT= 63 (n,n') Level Cross Section 66-Dy-156 To 4.833 %  
 0.000





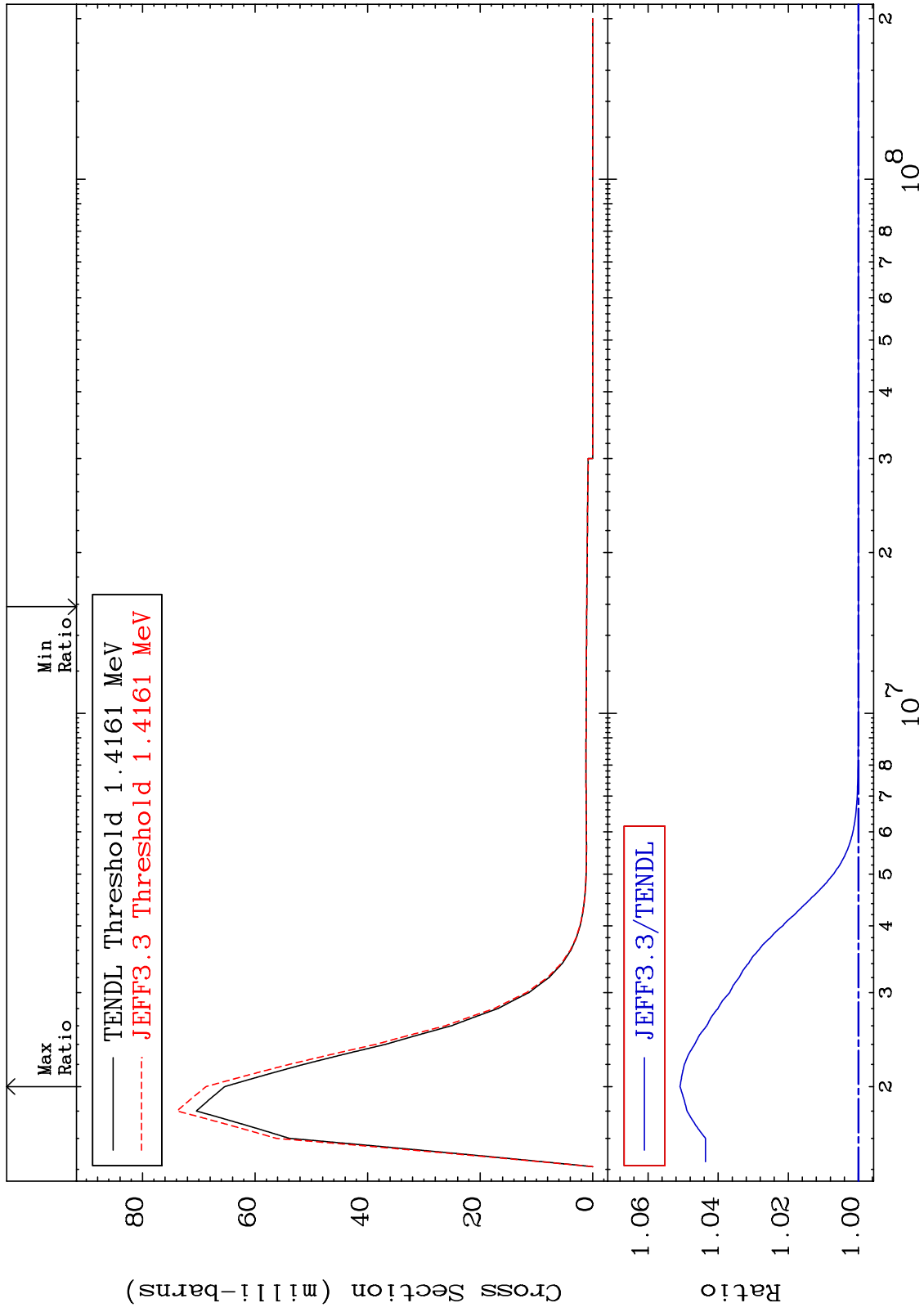
MAT 6625 MT= 65 (n,n') Level Cross Section 66-Dy-156 To 4.298 %



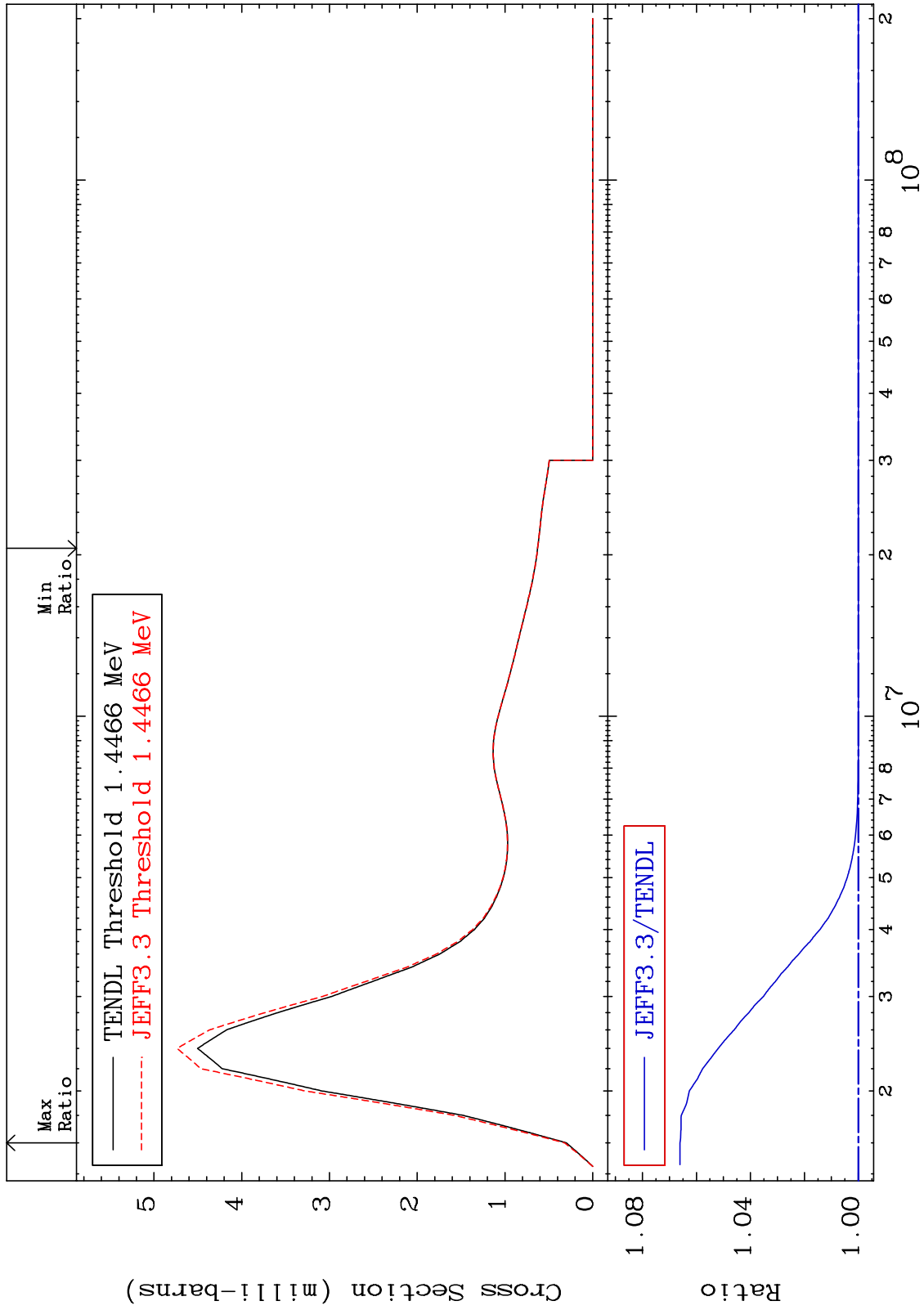
MAT 6625

MT= 66 (n,n') Level  
Cross Section

66-Dy-156  
0.000 To 5.088 %



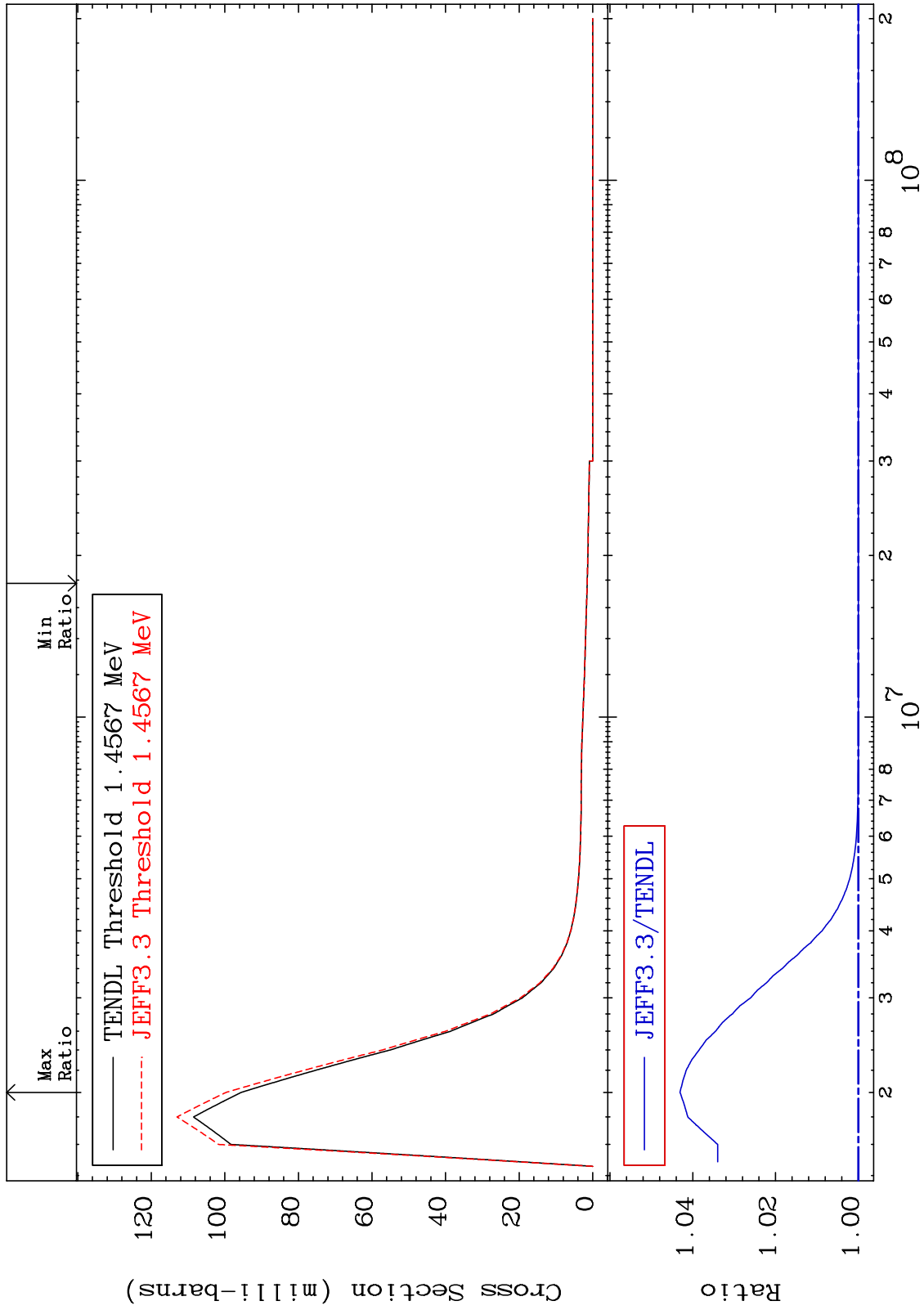
MAT 6625 MT= 67 (n, n') Level Cross Section 66-Dy-156 To 6.608 %



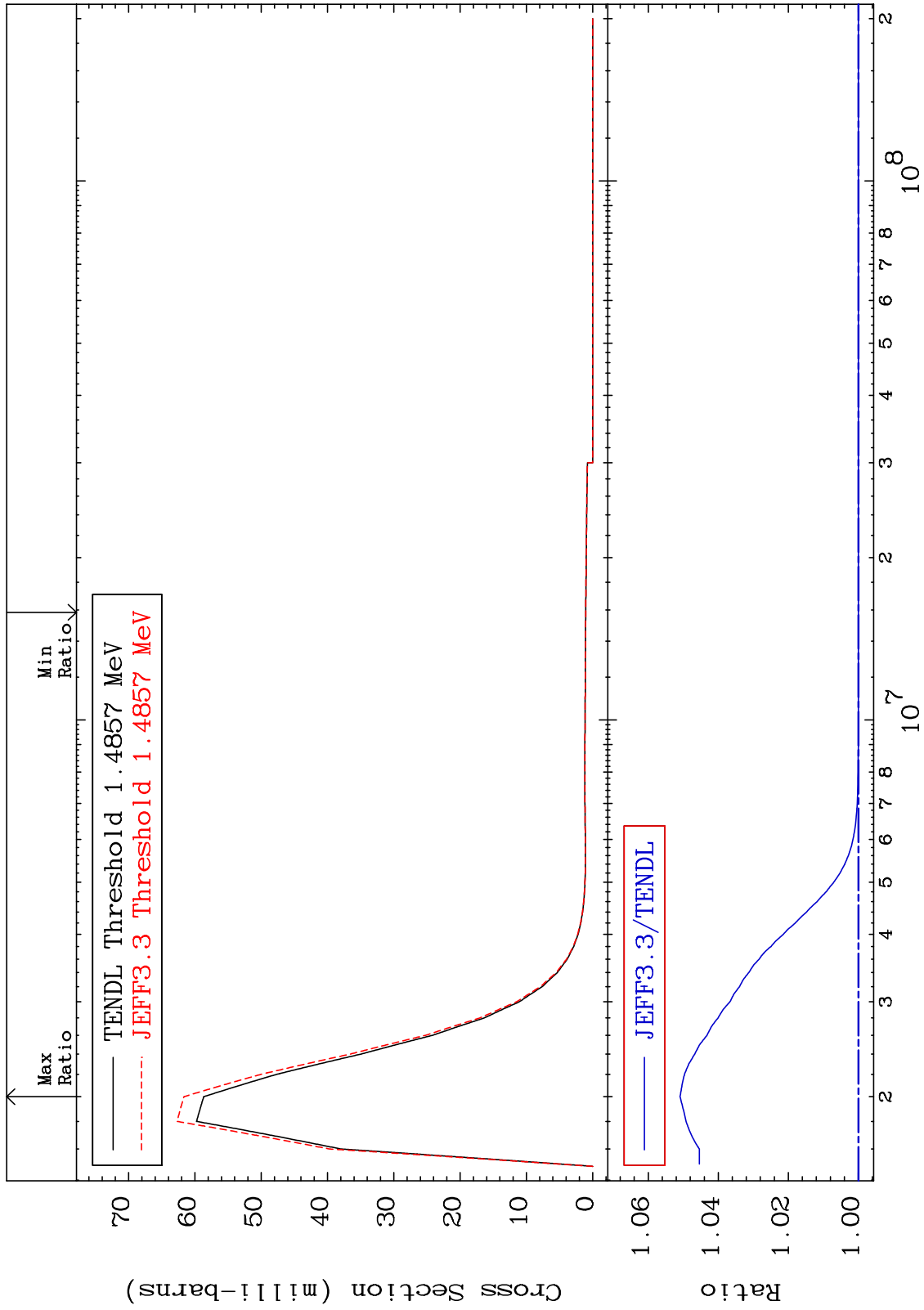
MAT 6625

MT= 68 (n,n') Level  
Cross Section

66-Dy-156  
0.000 To 4.307 %



MAT 6625 MT= 69 (n, n') Level Cross Section 66-Dy-156 To 5.092 %

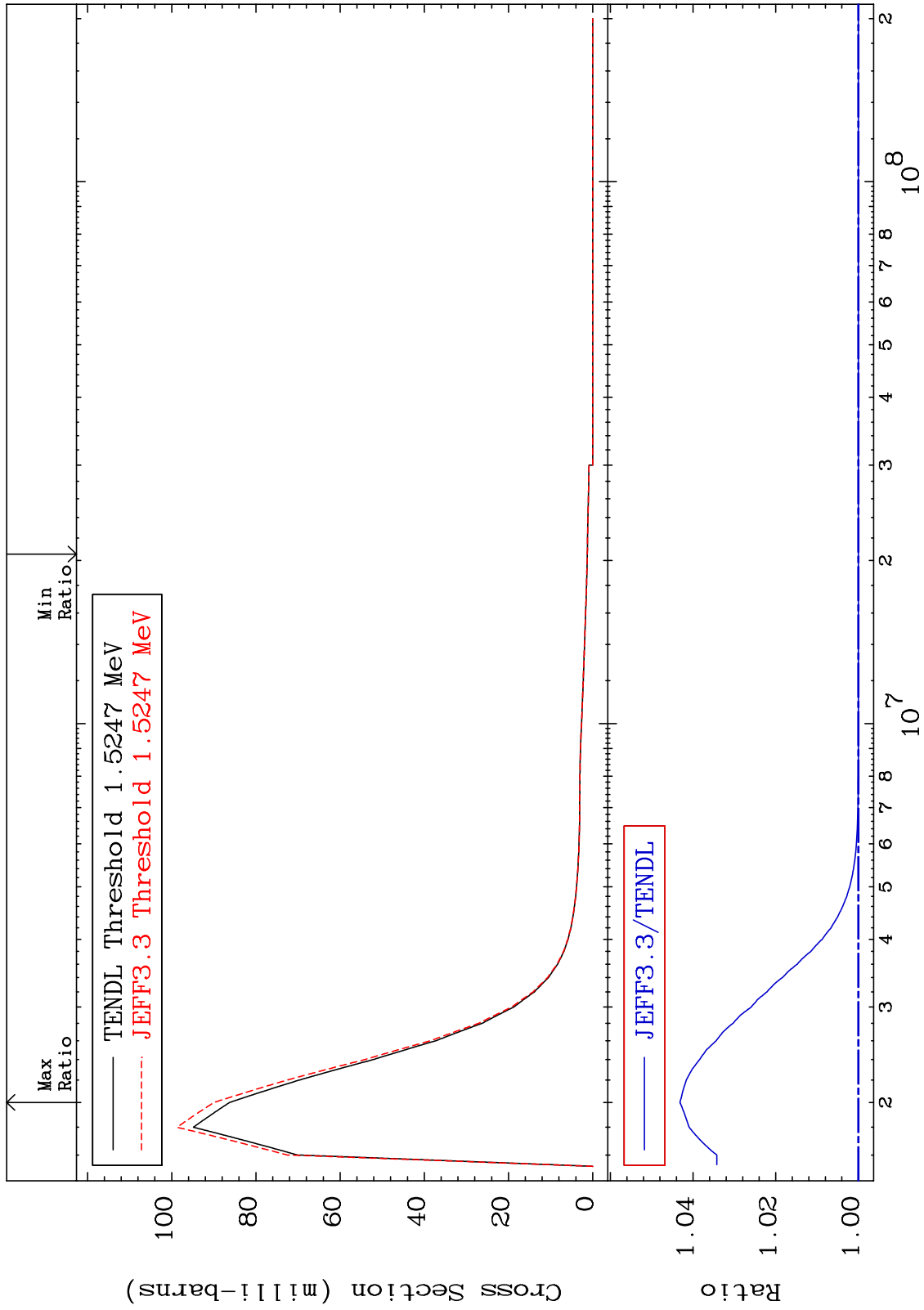


66-Dy-156

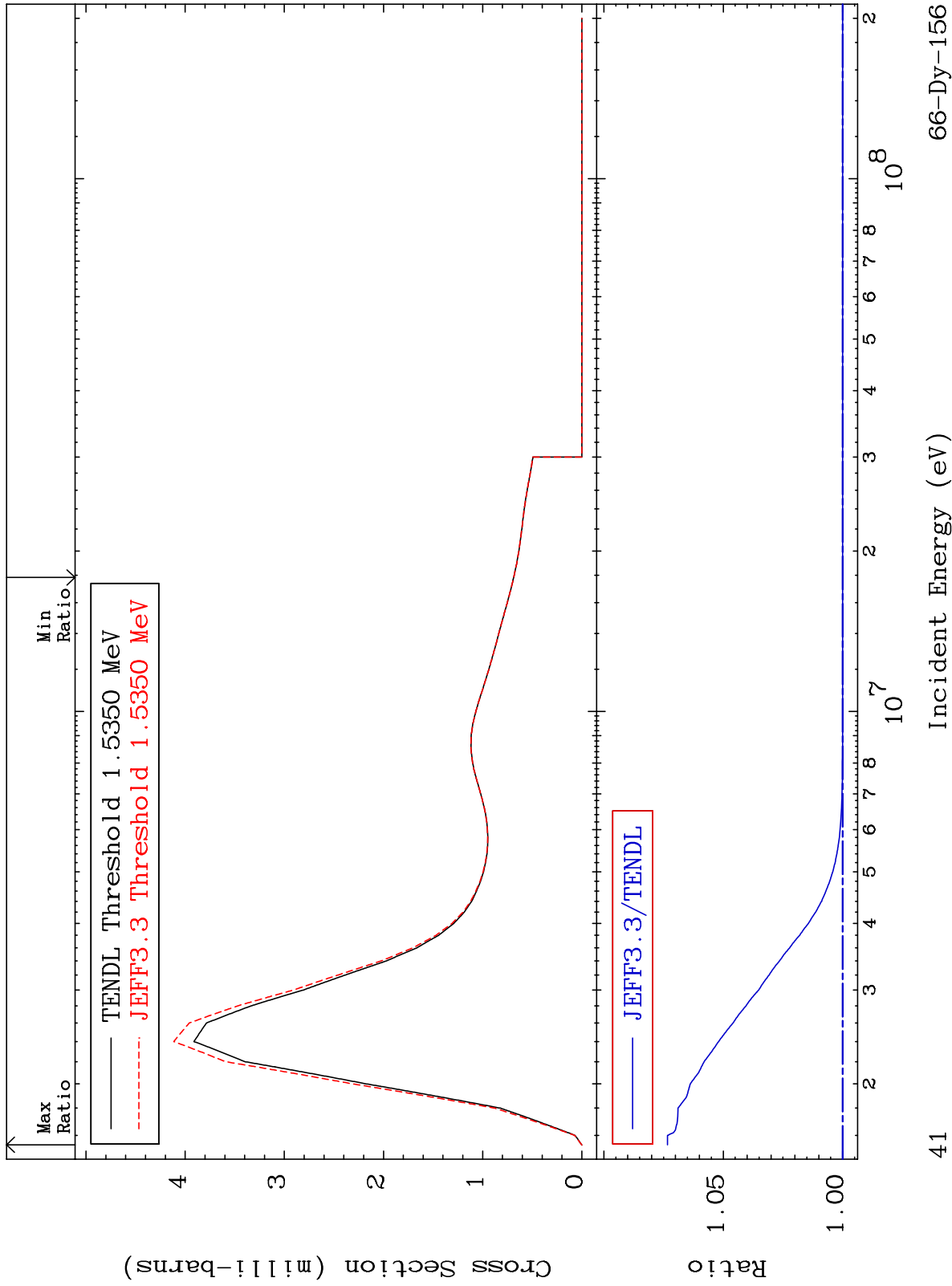
Incident Energy (eV)



MAT 6625 MT= 70 (n,n') Level Cross Section 66-Dy-156 To 4.315 %  
0.000



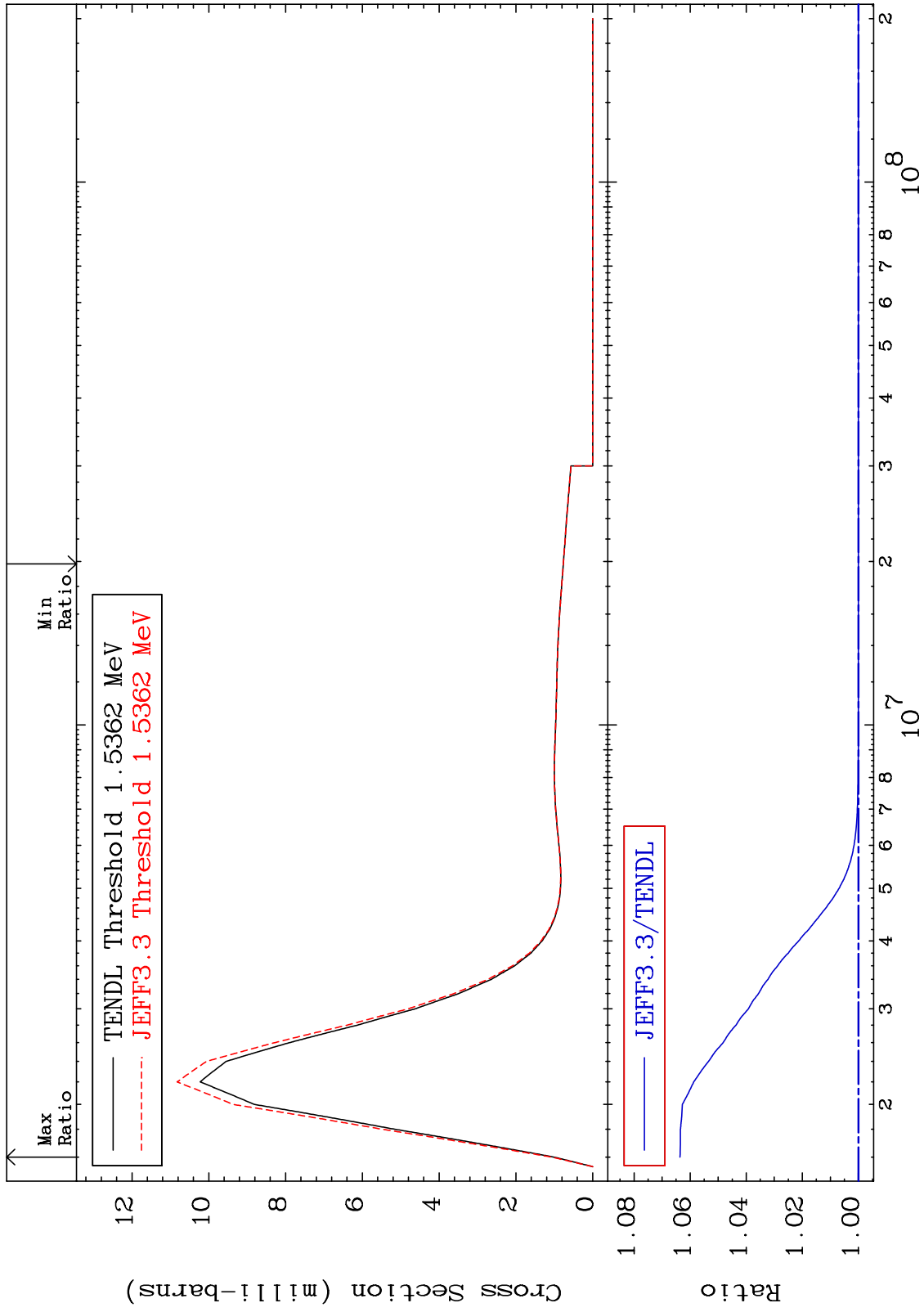
MAT 6625 MT= 71 (n,n') Level Cross Section 66-Dy-156 To 7.333 %



MAT 6625

MT= 72 (n, n') Level  
Cross Section

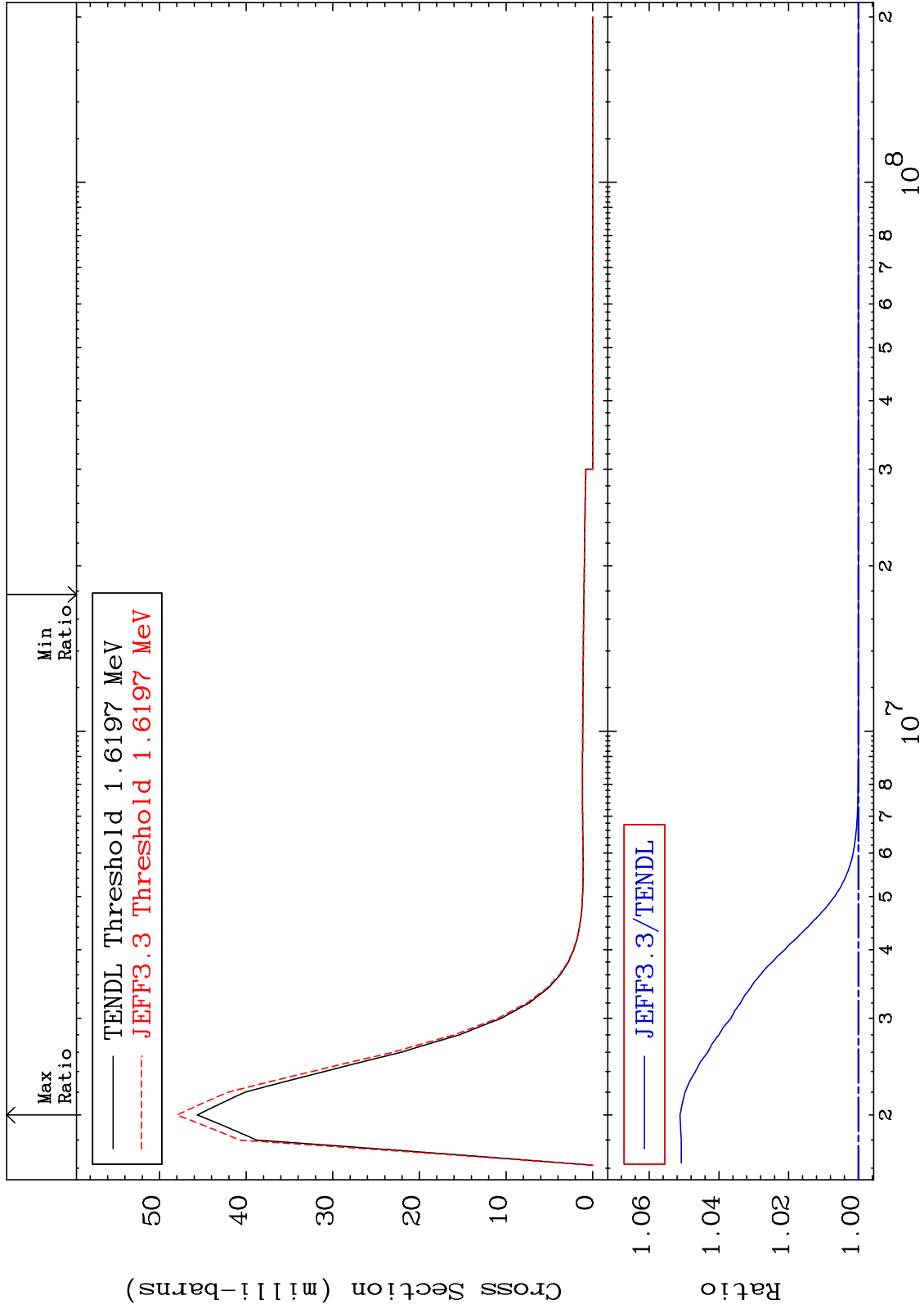
66-Dy-156  
0.000 To 6.361 %

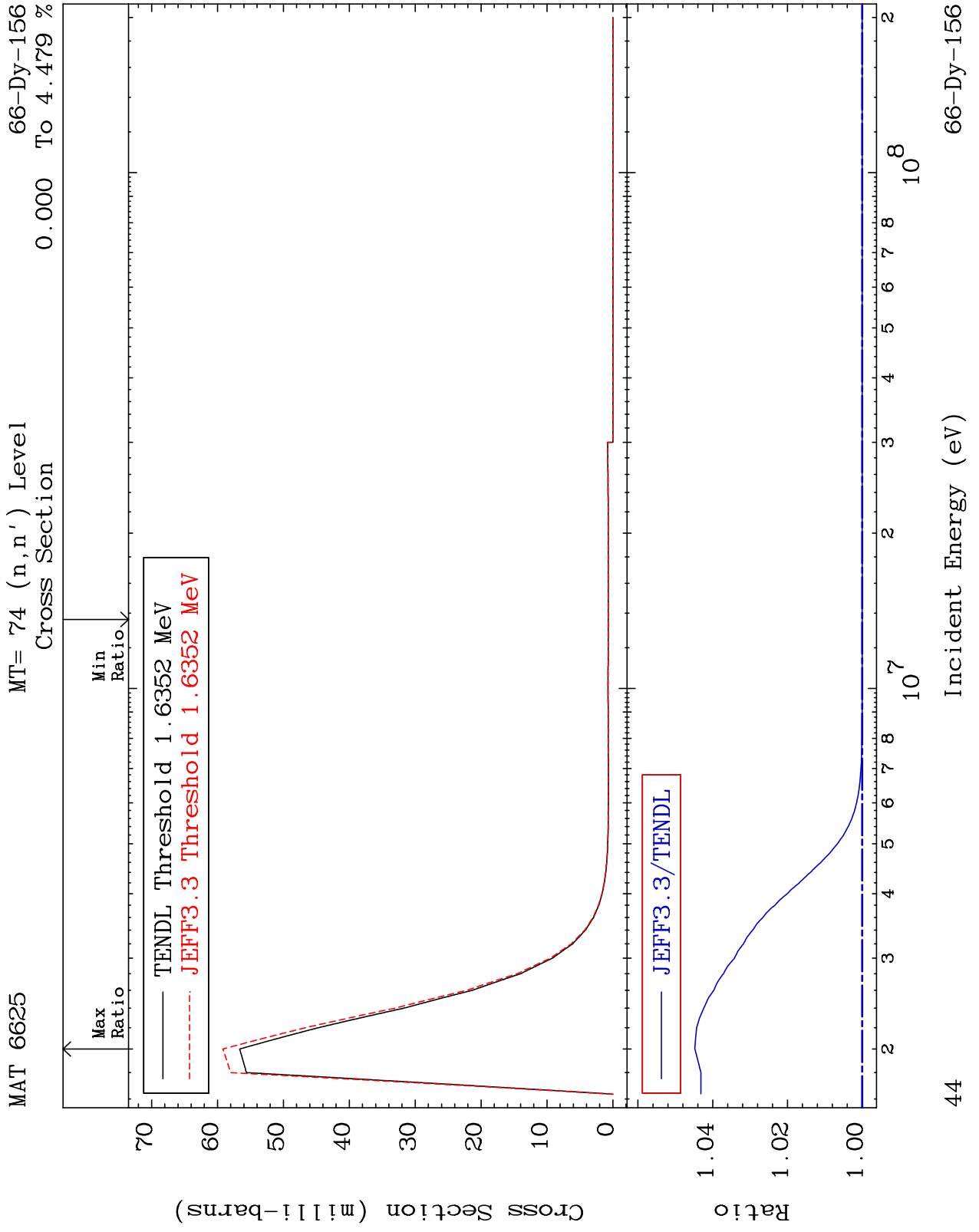


MAT 6625

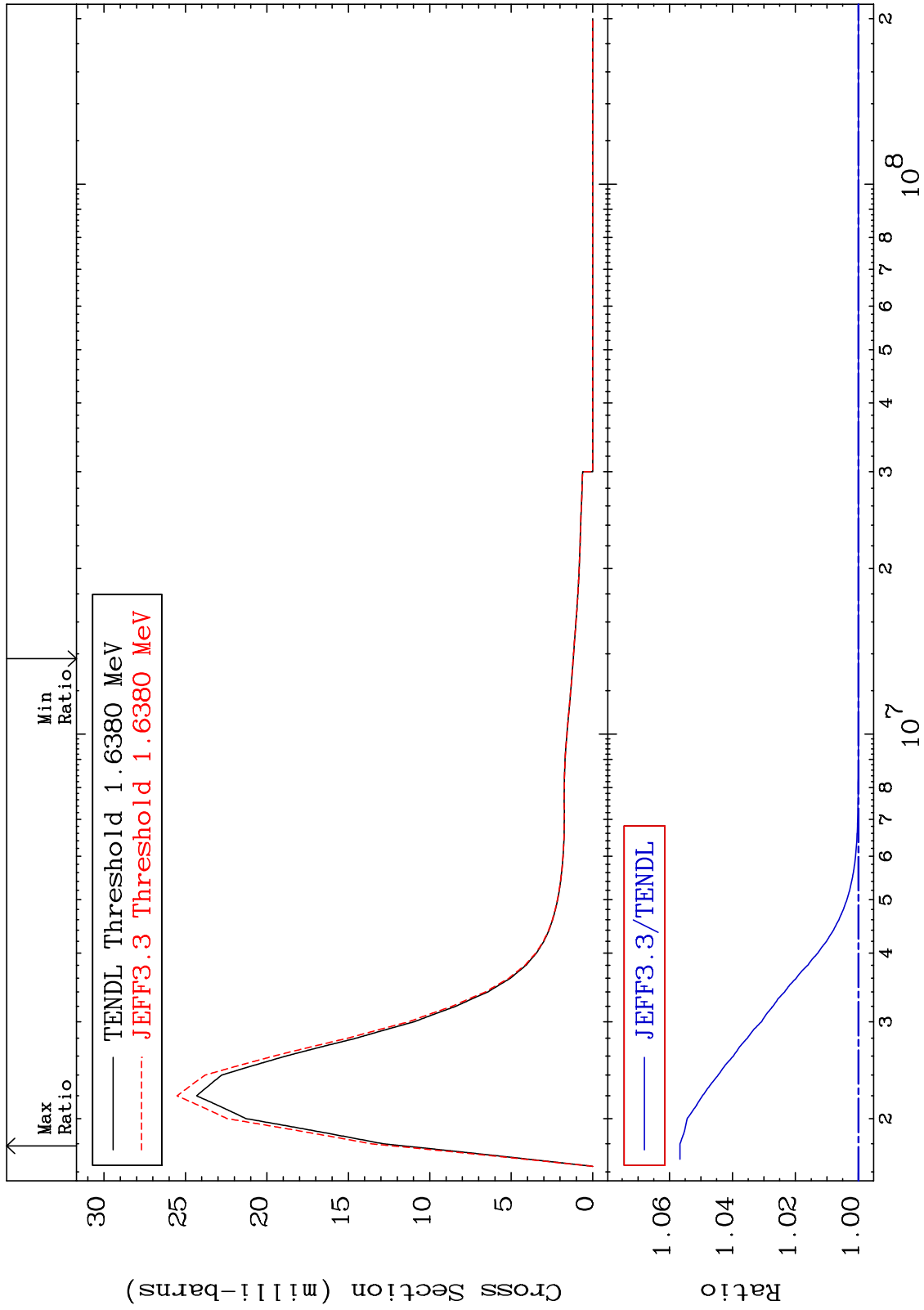
MT= 73 (n, n') Level  
Cross Section

66-Dy-156  
0.000 To 5.115 %

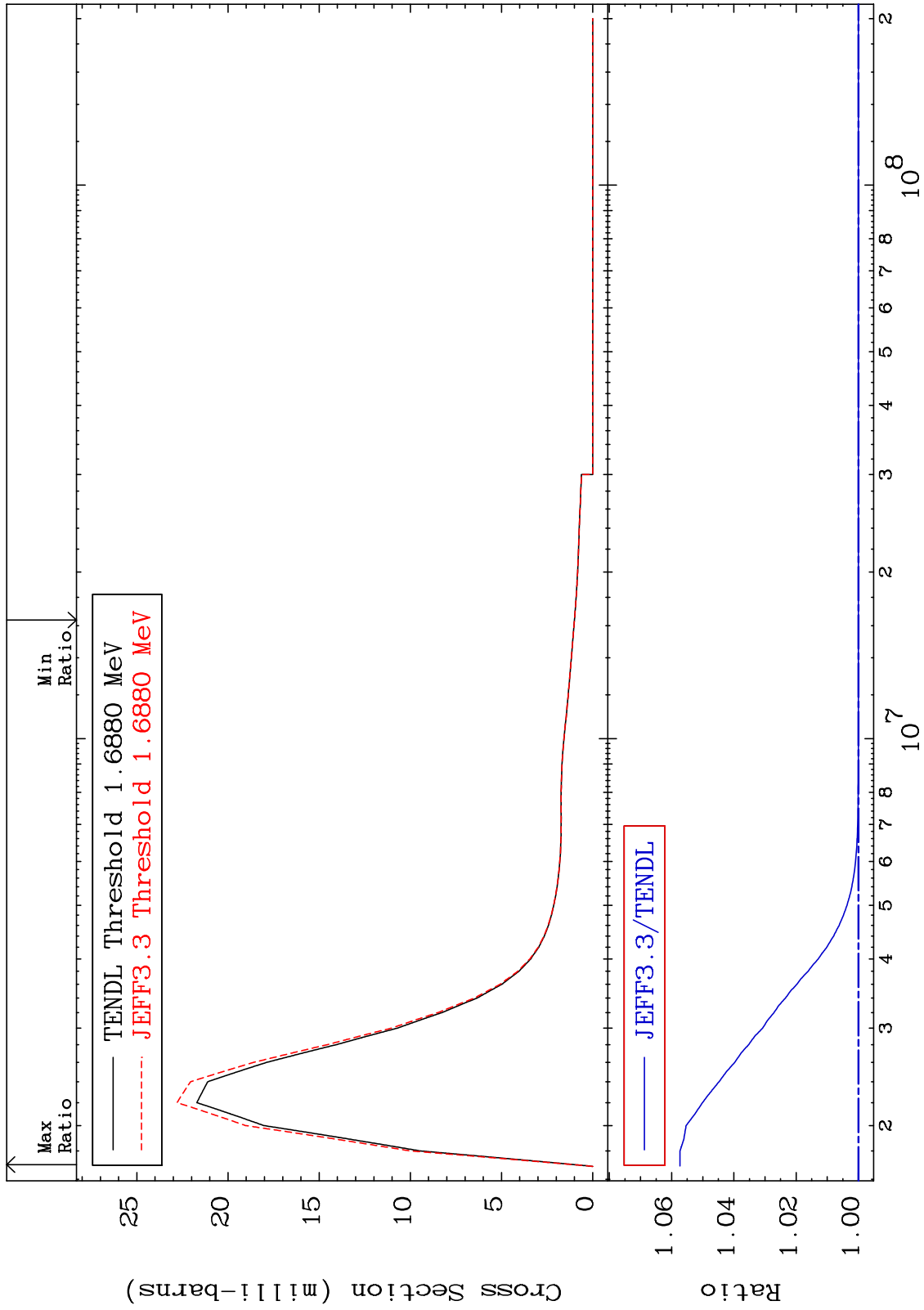




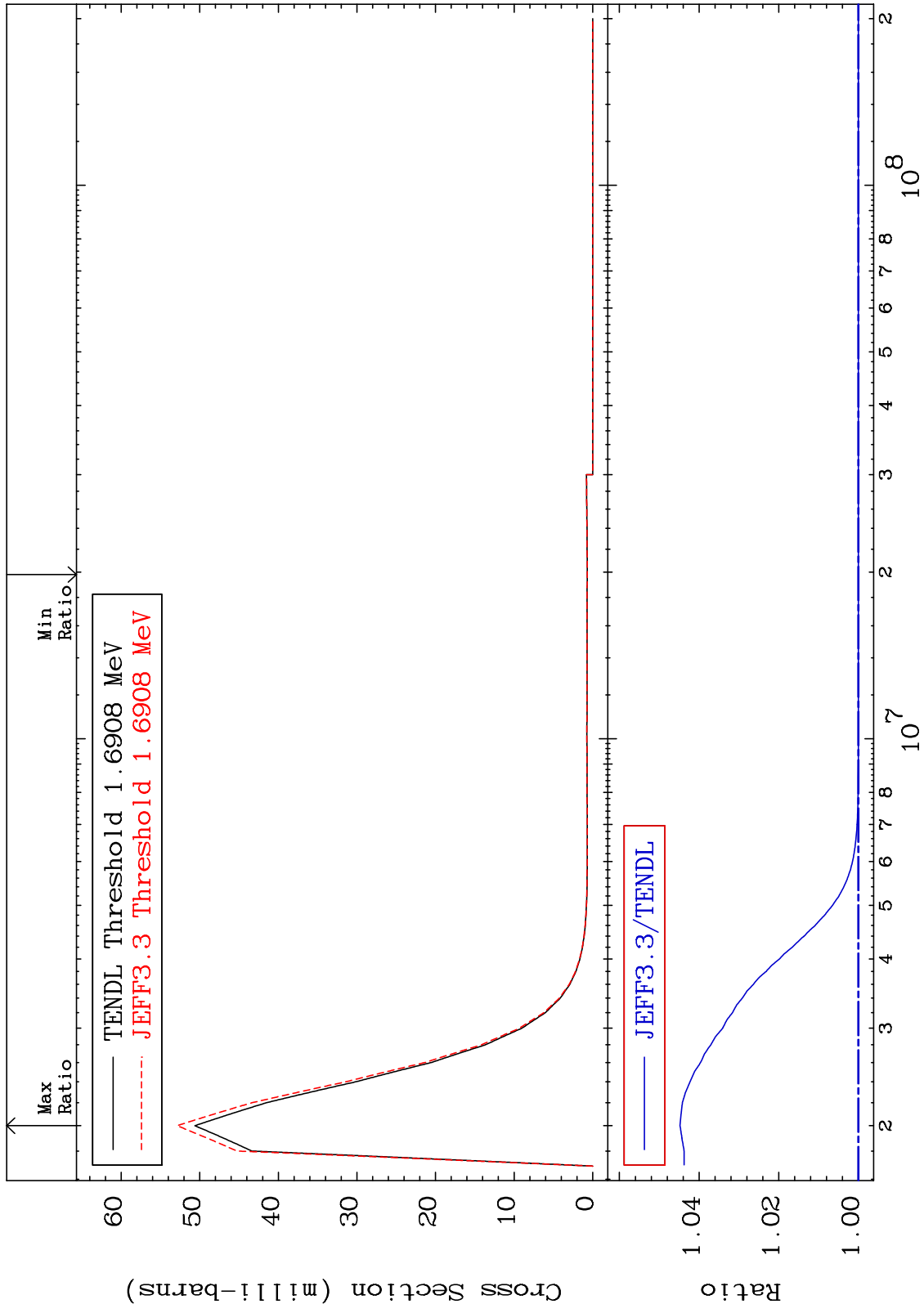
MAT 6625 MT= 75 (n,n') Level Cross Section 66-Dy-156 To 5.665 %



MAT 6625 MT= 76 (n,n') Level Cross Section 66-Dy-156 To 5.731 %



MAT 6625 MT= 77 (n, n') Level Cross Section 66-Dy-156 To 4.479 %  
 0.000



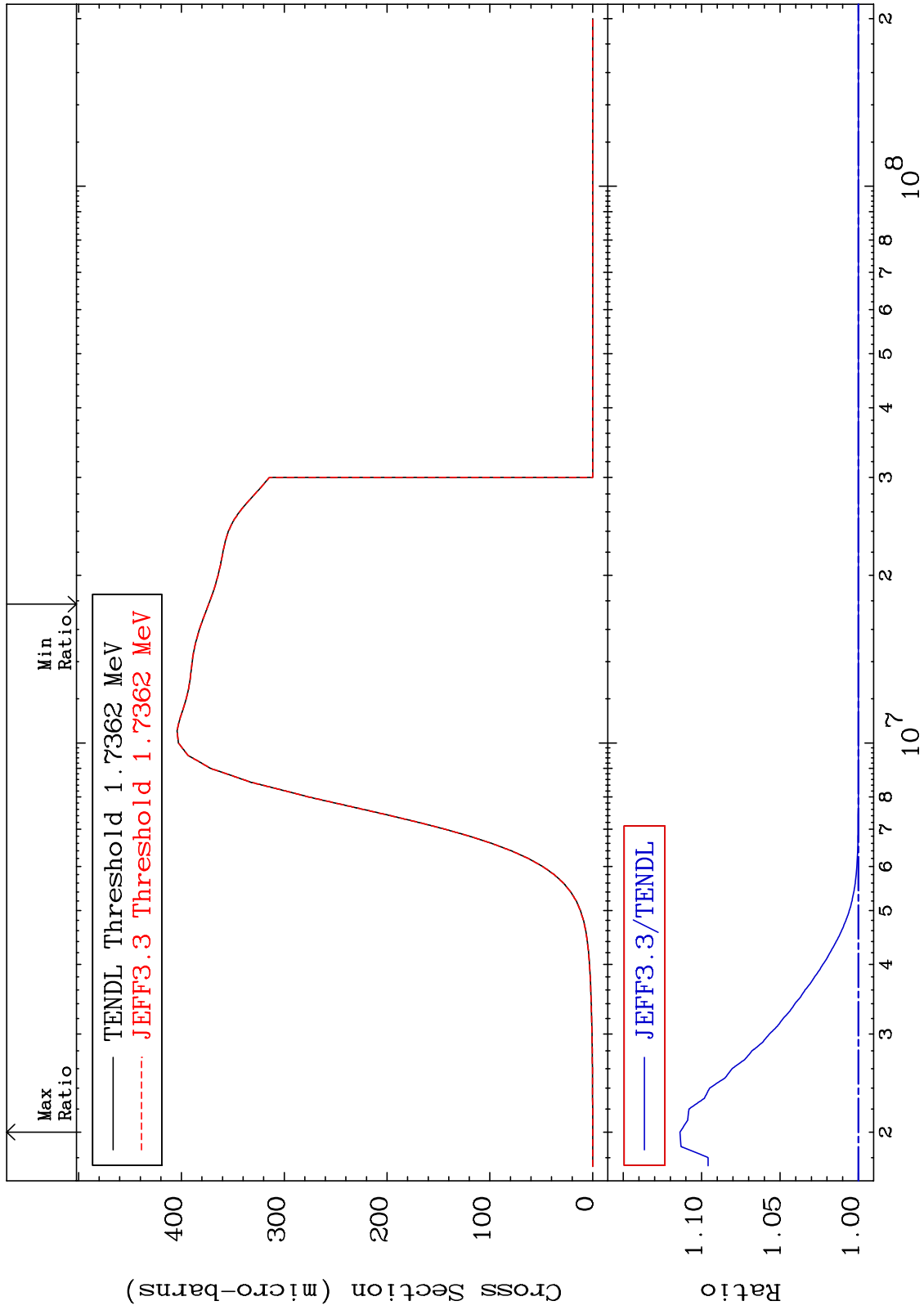
Incident Energy (eV) 66-Dy-156



MAT 6625

MT= 78 (n,n') Level  
Cross Section

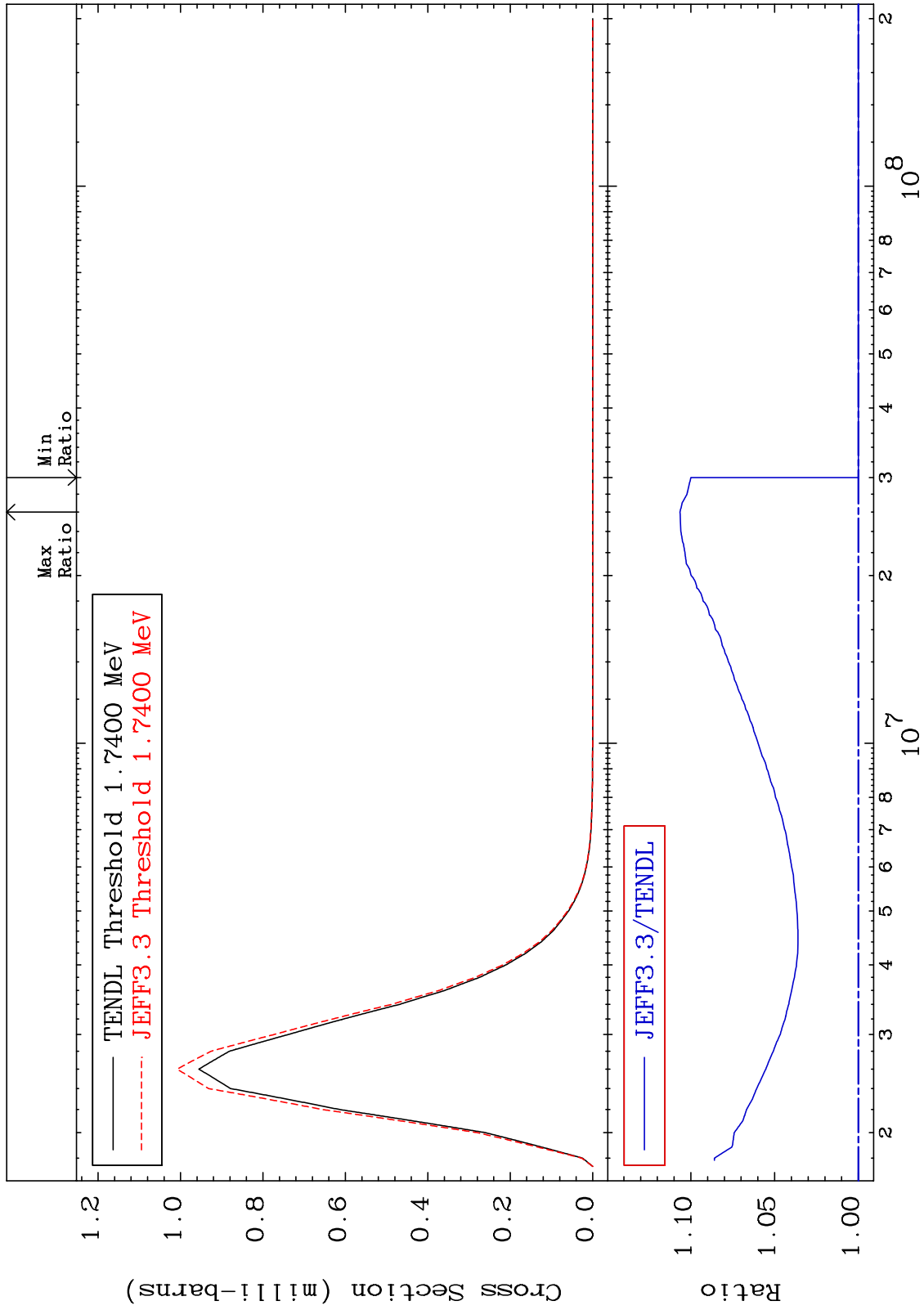
66-Dy-156  
0.000 To 11.38 %

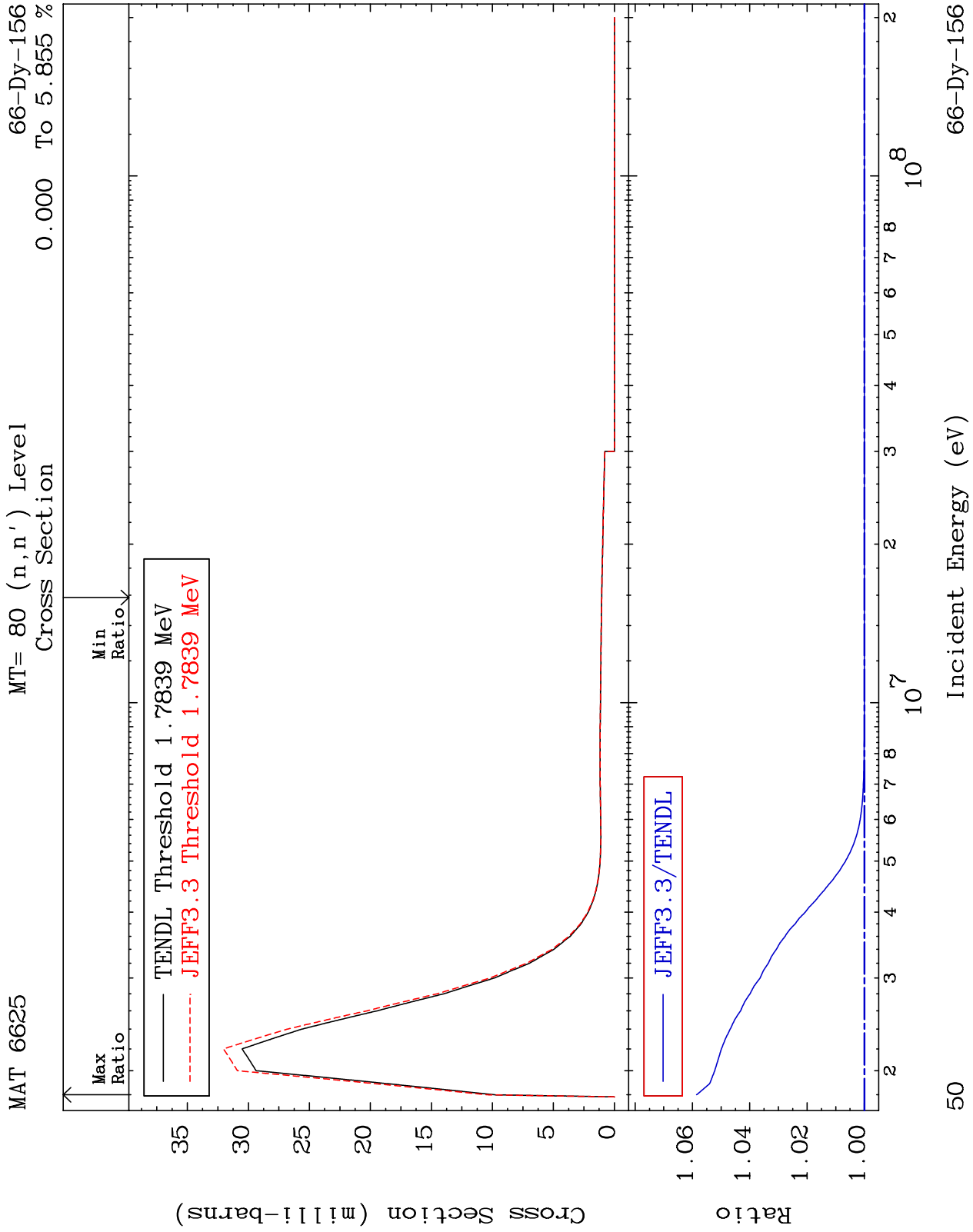


MAT 6625

MT= 79 (n, n') Level  
Cross Section

66-Dy-156  
To 10.65 %  
0.000

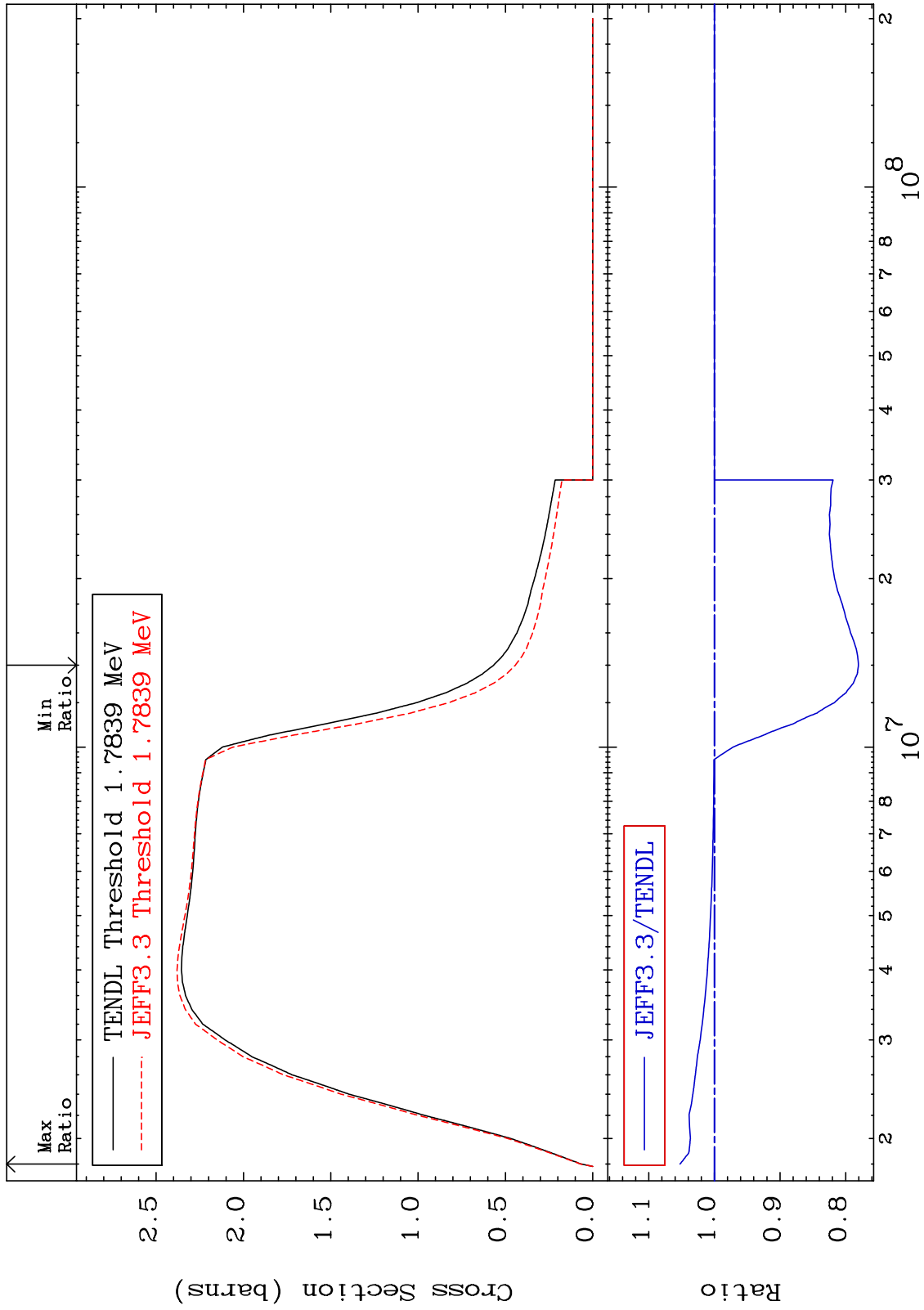




MAT 6625

(n,n') Continuum  
Cross Section

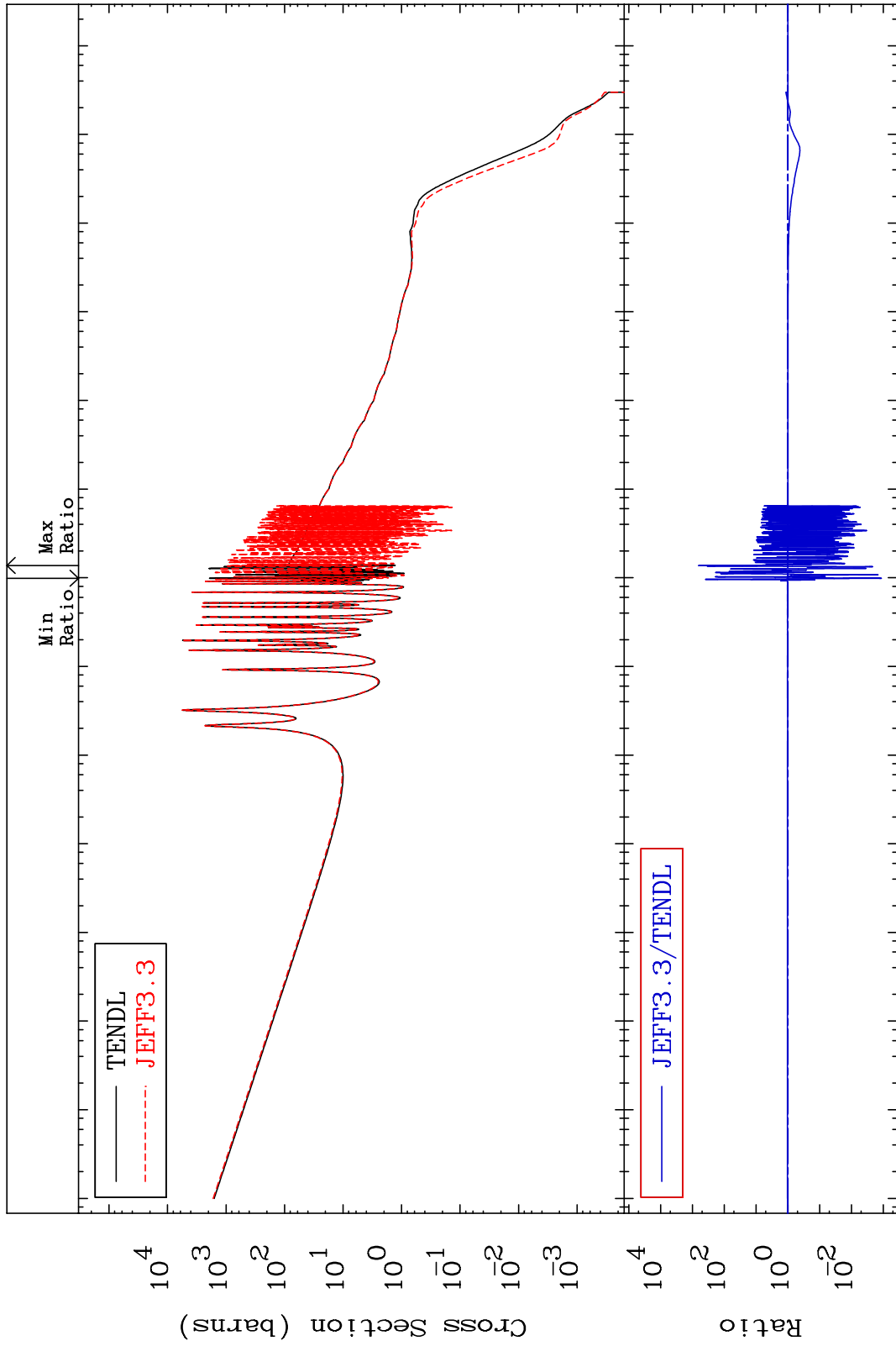
66-Dy-156  
-21.95 To 5.245 %



MAT 6625

(n,  $\gamma$ )  
Cross Section

66-Dy-156  
-99.89 To 9999. %



52

Incident Energy (eV)

66-Dy-156

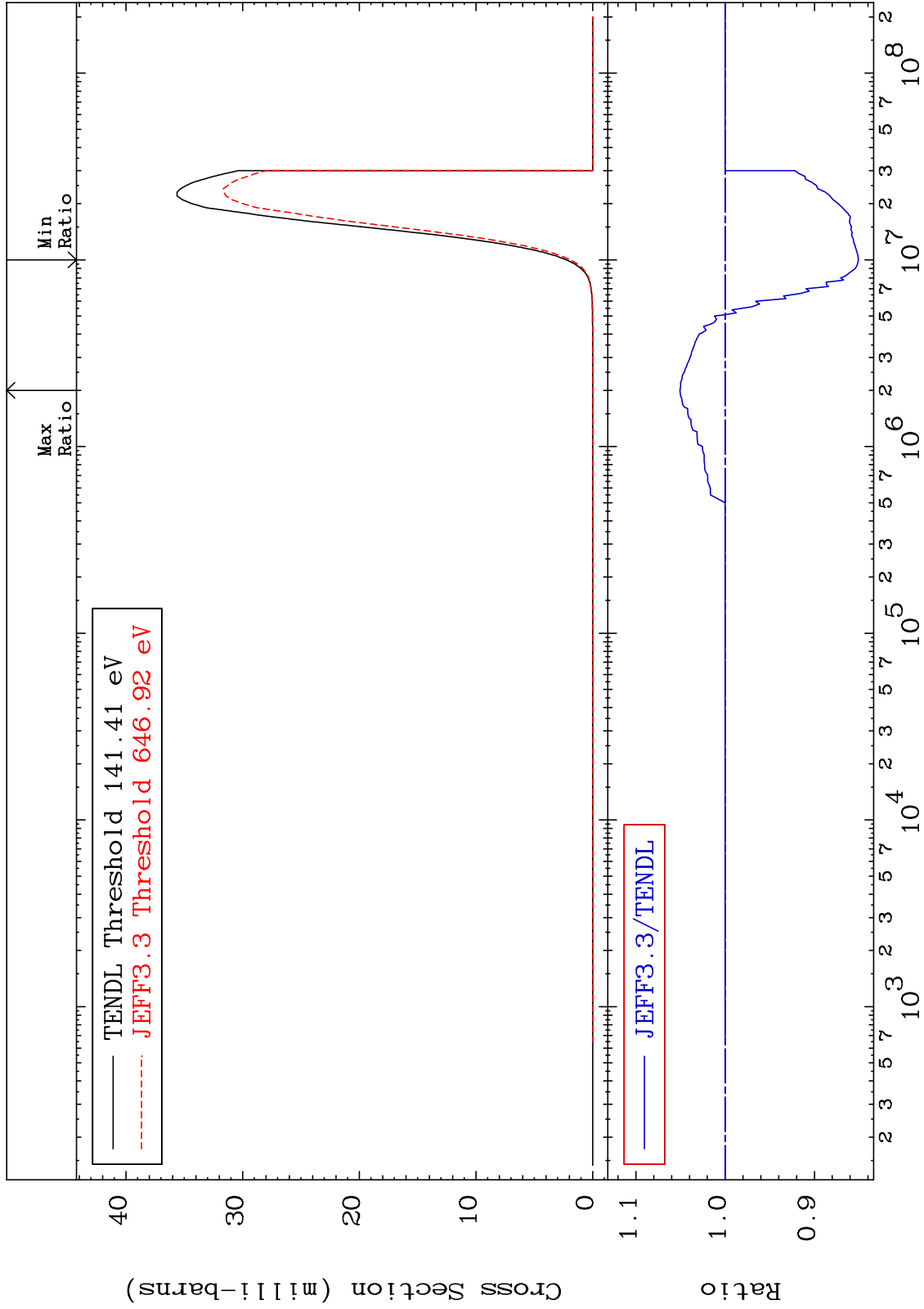
MAT 6625

(n, p)

66-Dy-156

Cross Section

-14.92 To 5.055 %



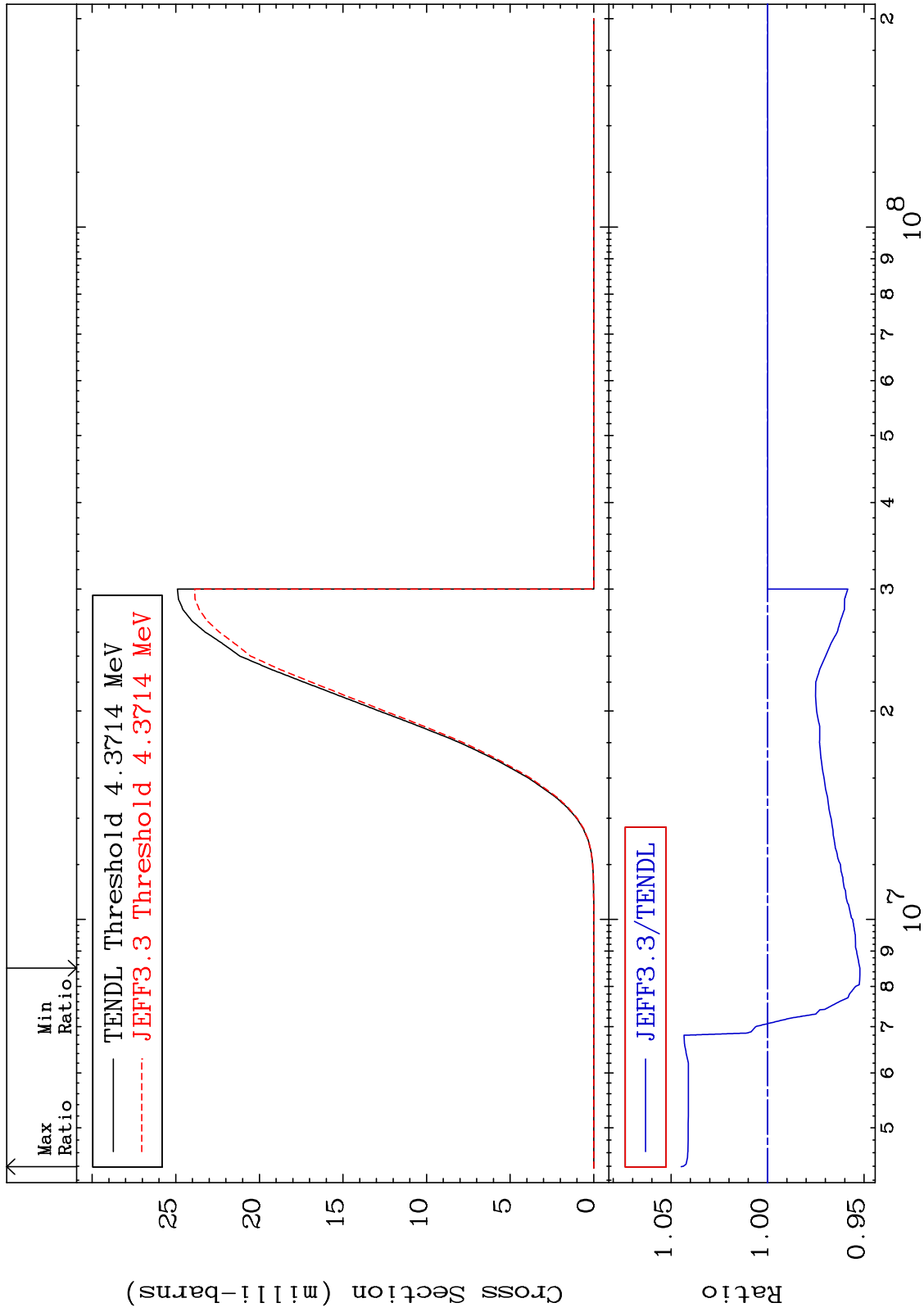
MAT 6625

(n, d)

66-Dy-156

Cross Section

-4.788 To 4.477 %



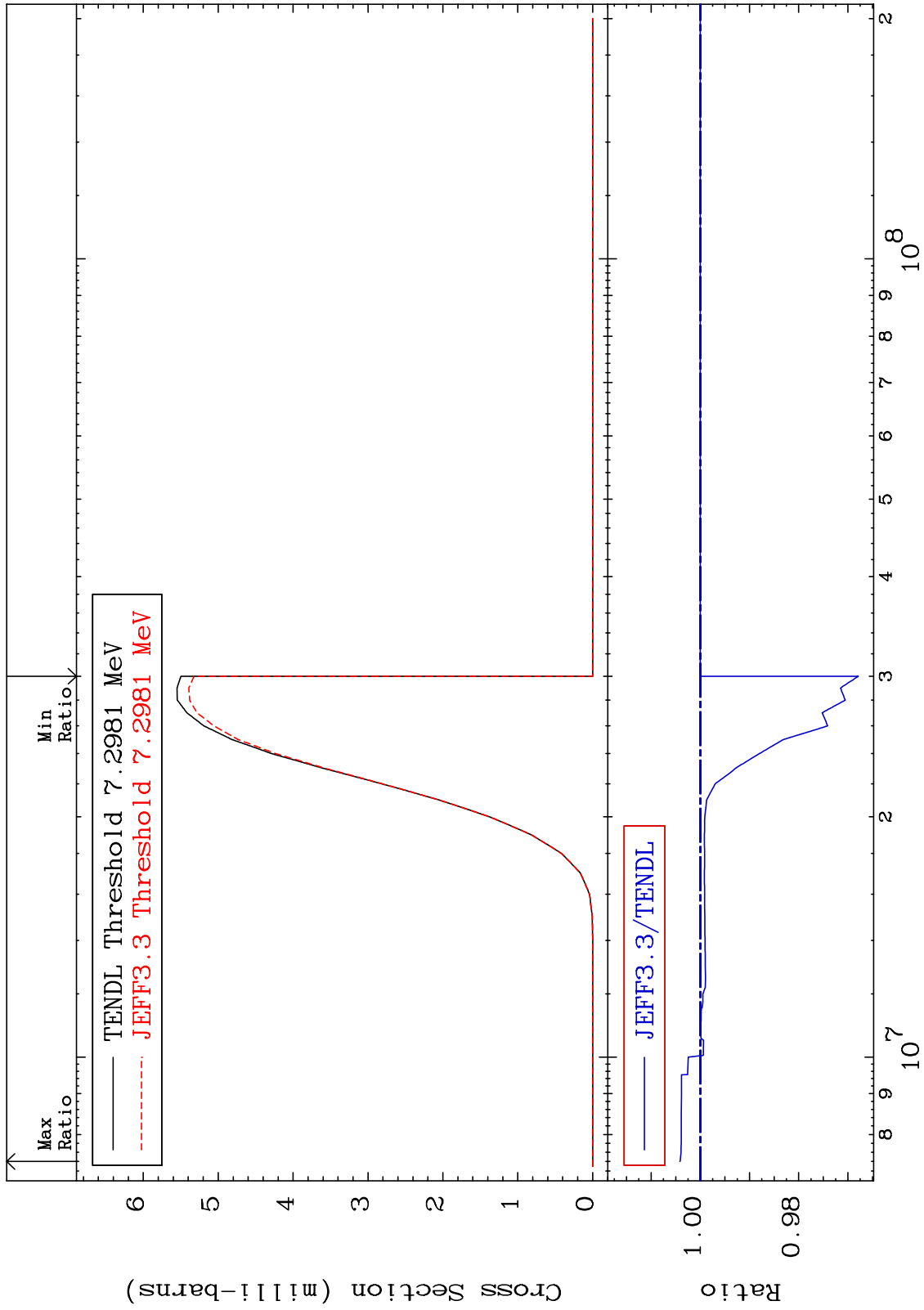
MAT 6625

(n, t)

66-Dy-156

Cross Section

-3.214 To 0.413 %



55

Incident Energy (eV)

66-Dy-156



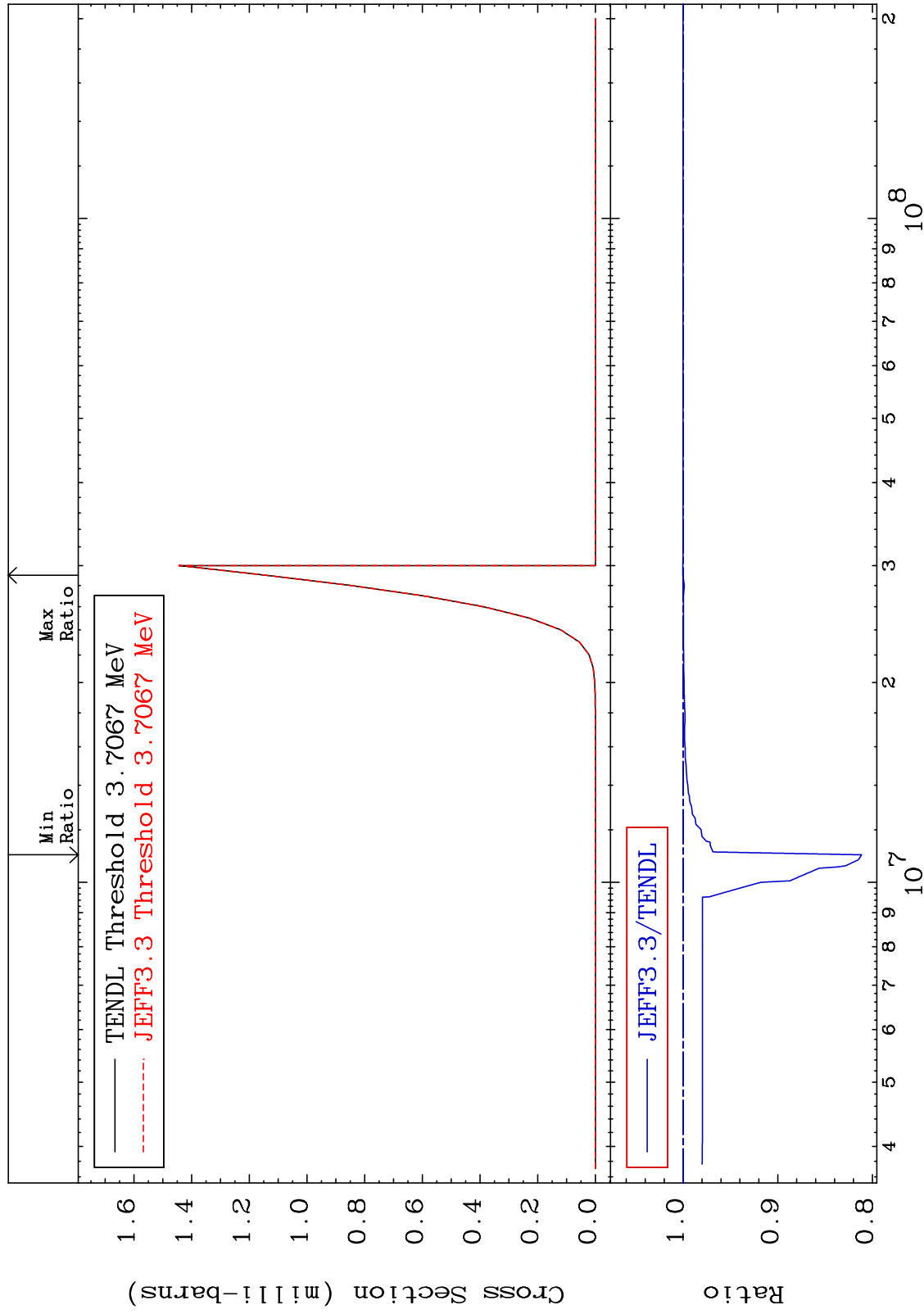
MAT 6625

(n, He-3)

66-Dy-156

Cross Section

-18.85 To 0.025 %



56

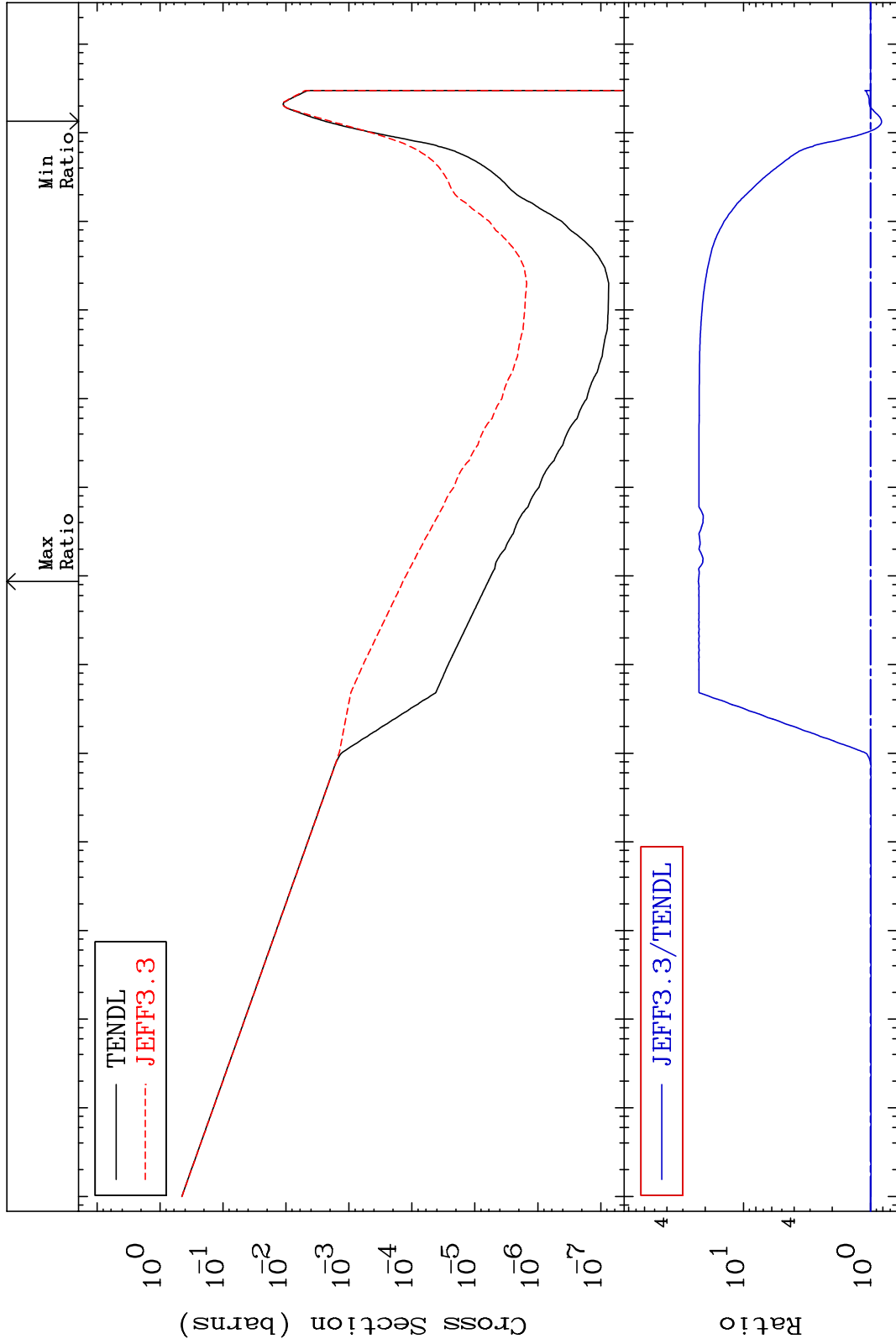
Incident Energy (eV)

66-Dy-156

MAT 6625

(n,  $\alpha$ )  
Cross Section

66-Dy-156  
-17.97 To 2163. %



57

Incident Energy (eV)

66-Dy-156

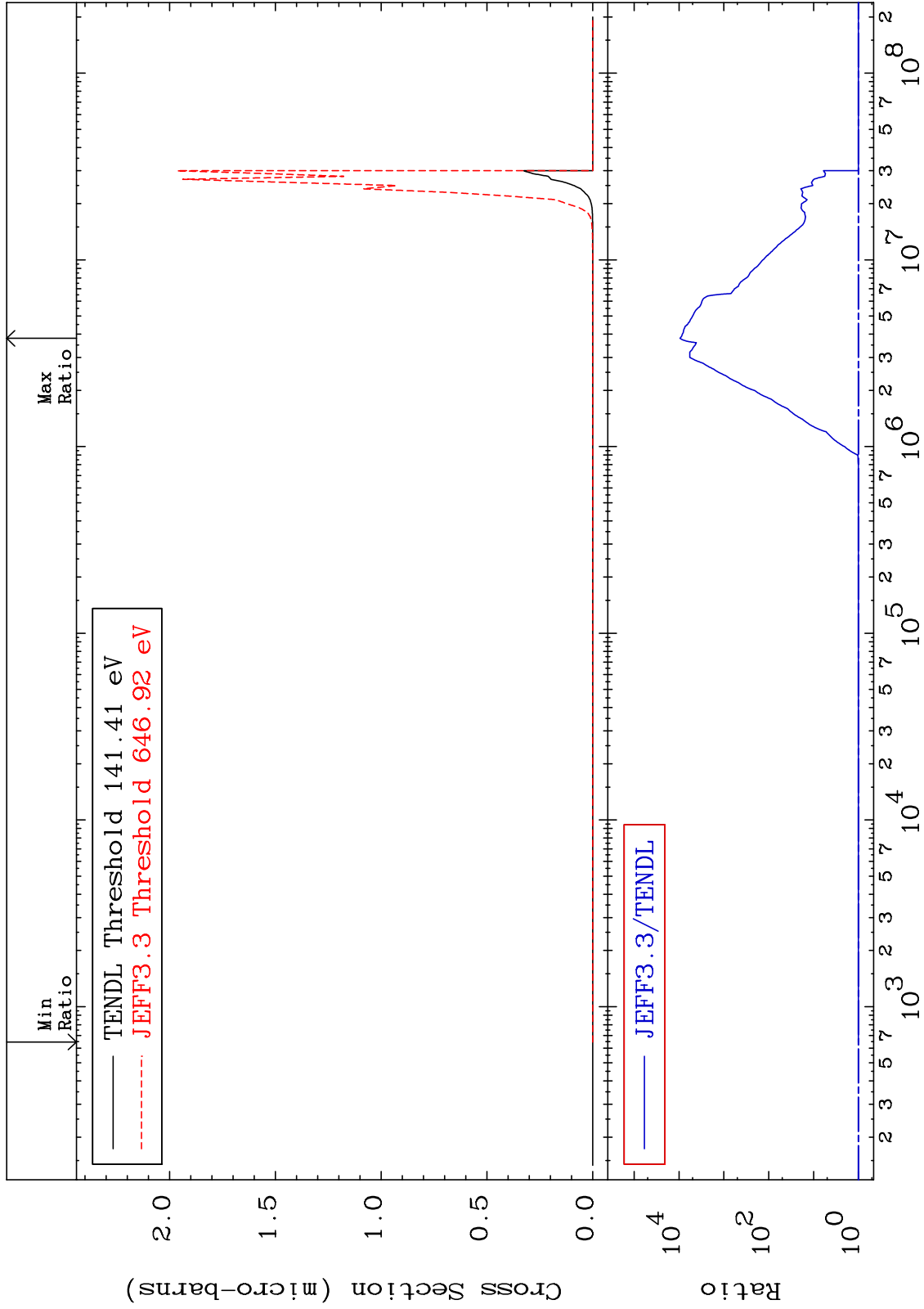
MAT 6625

(n, 2α)

66-Dy-156

Cross Section

0.000 To 9999. %



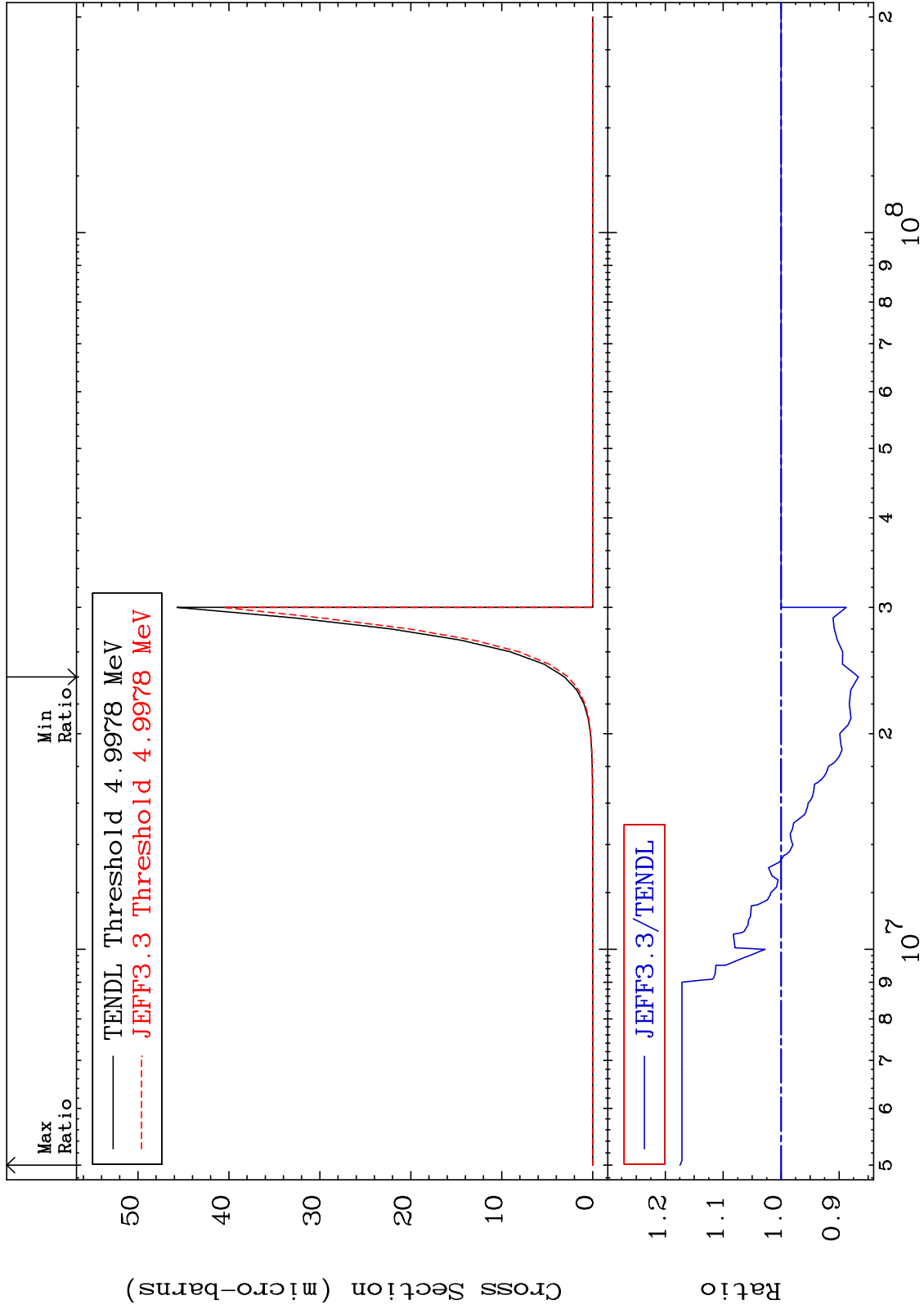
MAT 6625

(n,2p)

66-Dy-156

Cross Section

-13.33 To 17.45 %

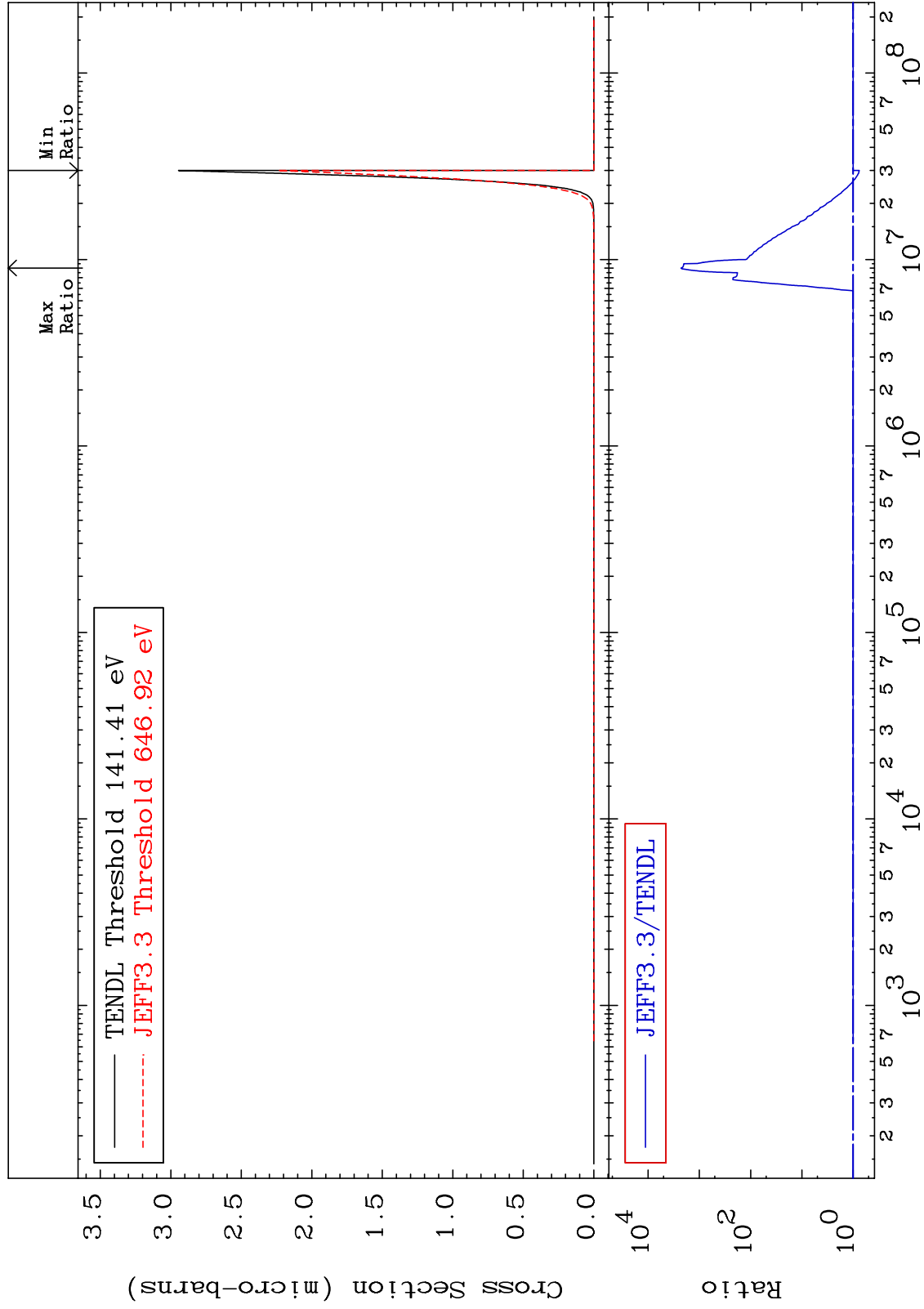


MAT 6625

(n,p)  $\alpha$

Cross Section

66-Dy-156  
-23.88 To 9999. %



60

Incident Energy (eV)

66-Dy-156

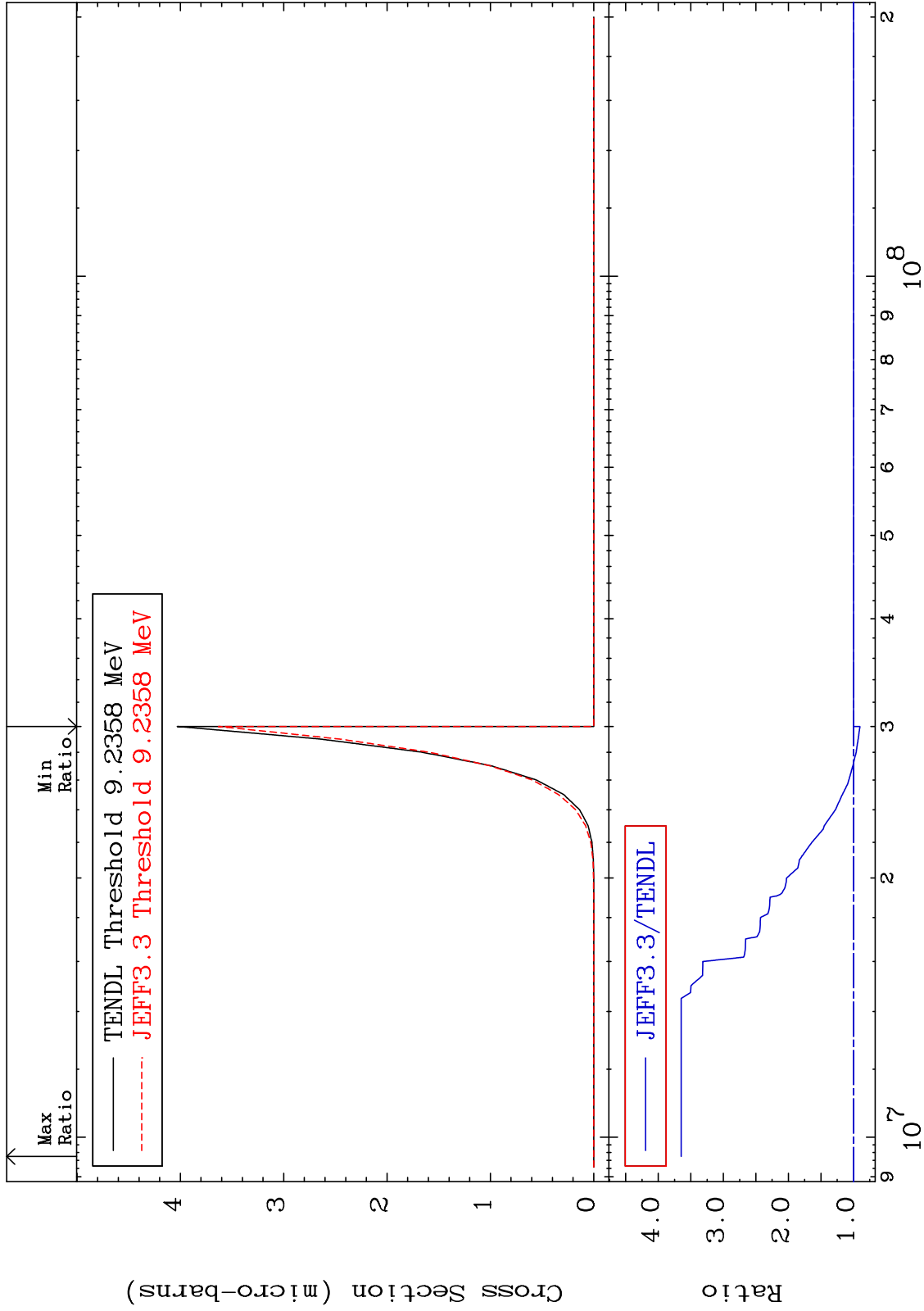
MAT 6625

(n,p) d

66-Dy-156

Cross Section

-9.857 To 264.7 %



61

Incident Energy (eV)

66-Dy-156

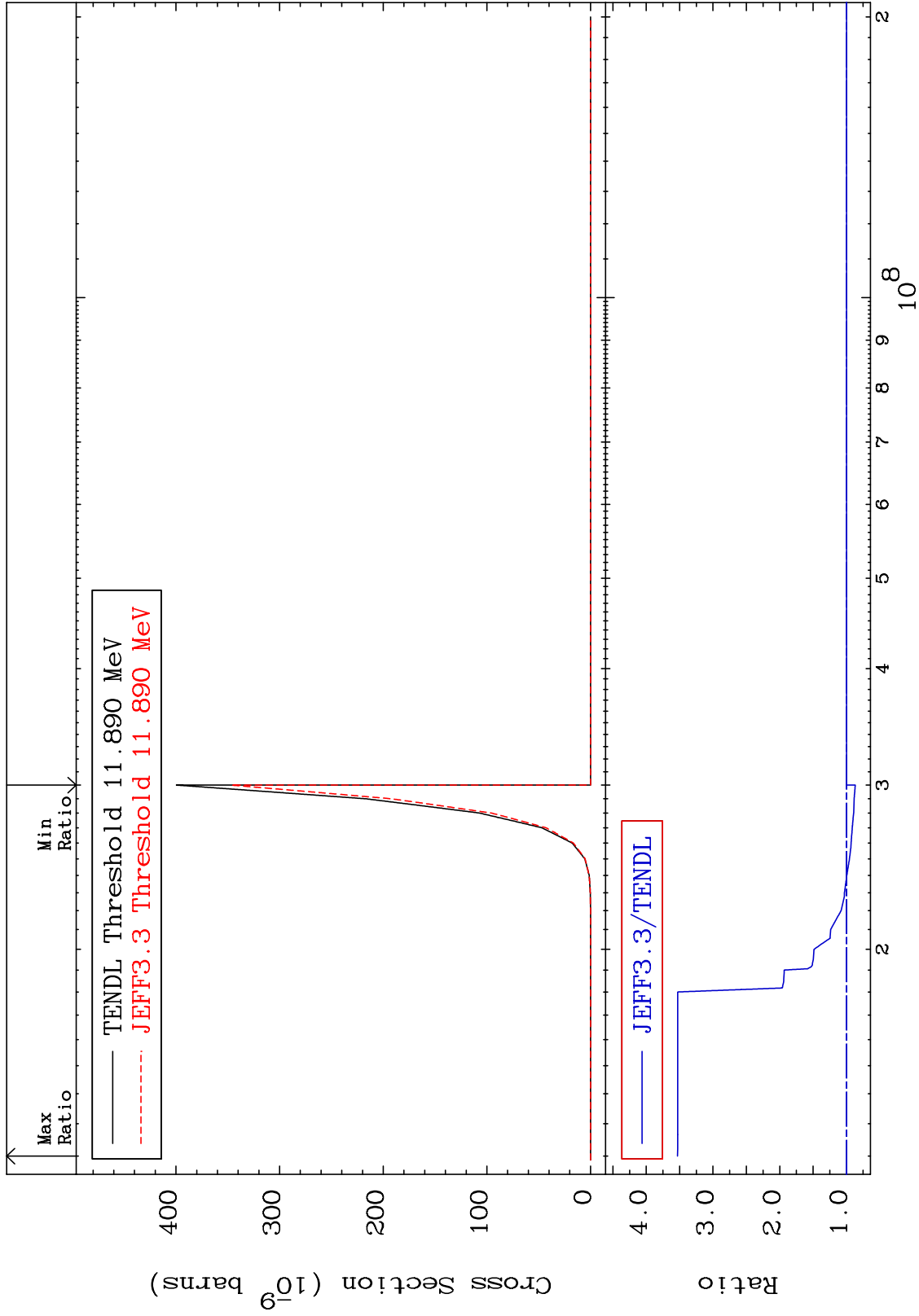
MAT 6625

(n,p) t

66-Dy-156

Cross Section

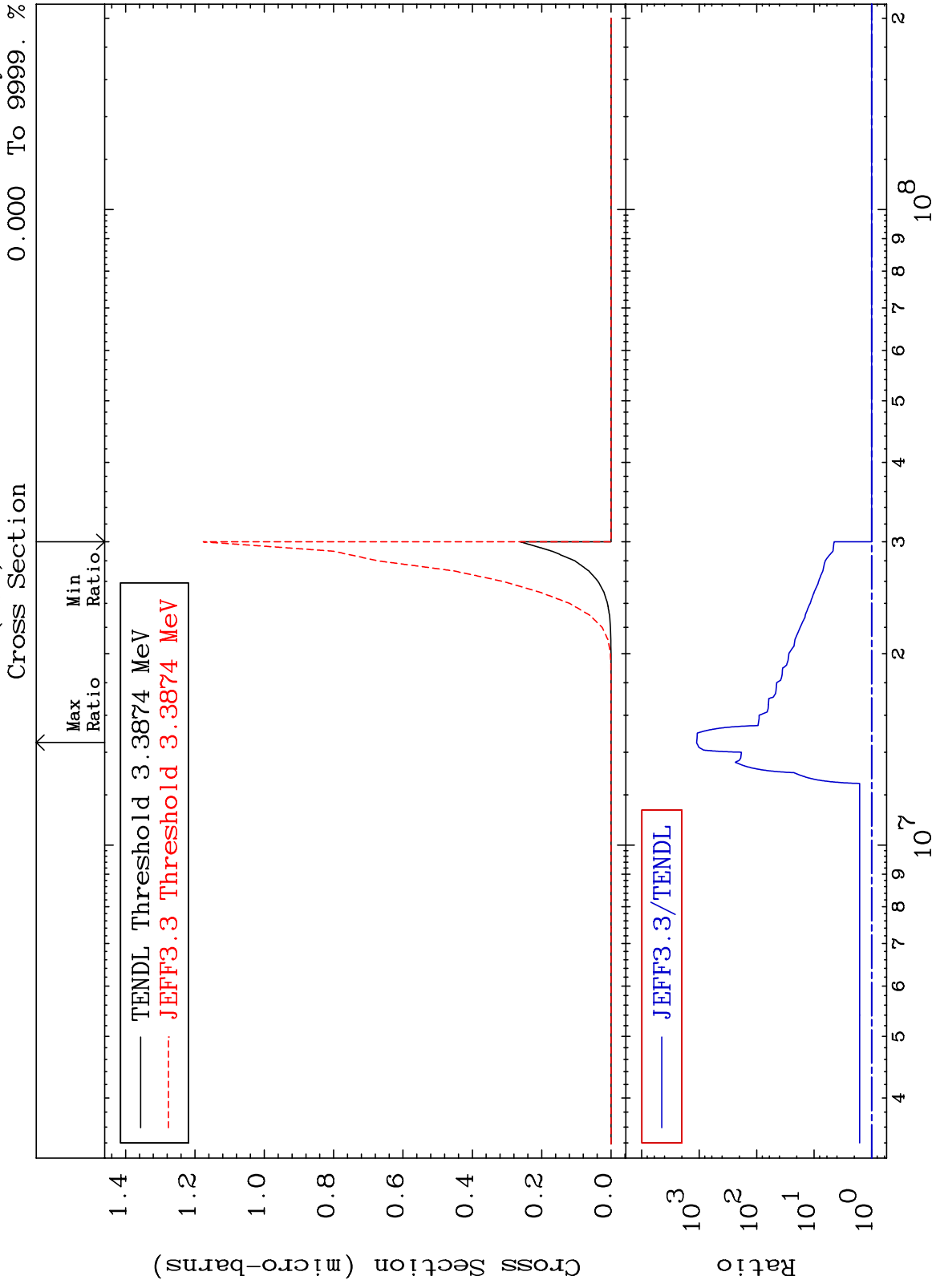
-13.20 To 253.1 %



MAT 6625

(n,d)  $\alpha$

66-Dy-156  
To 9999. %  
0.000

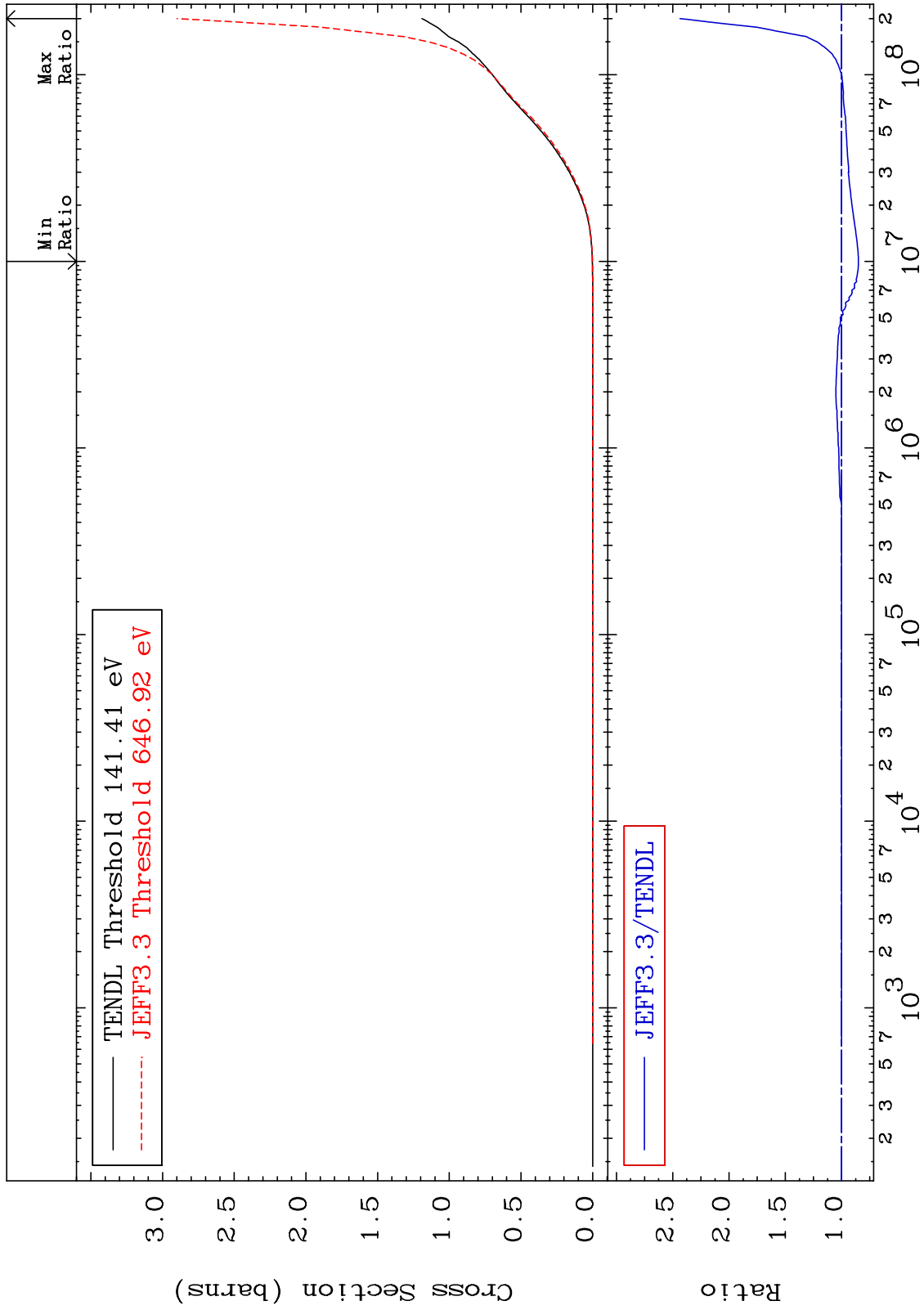




MAT 6625

### Hydrogen Production Cross Section

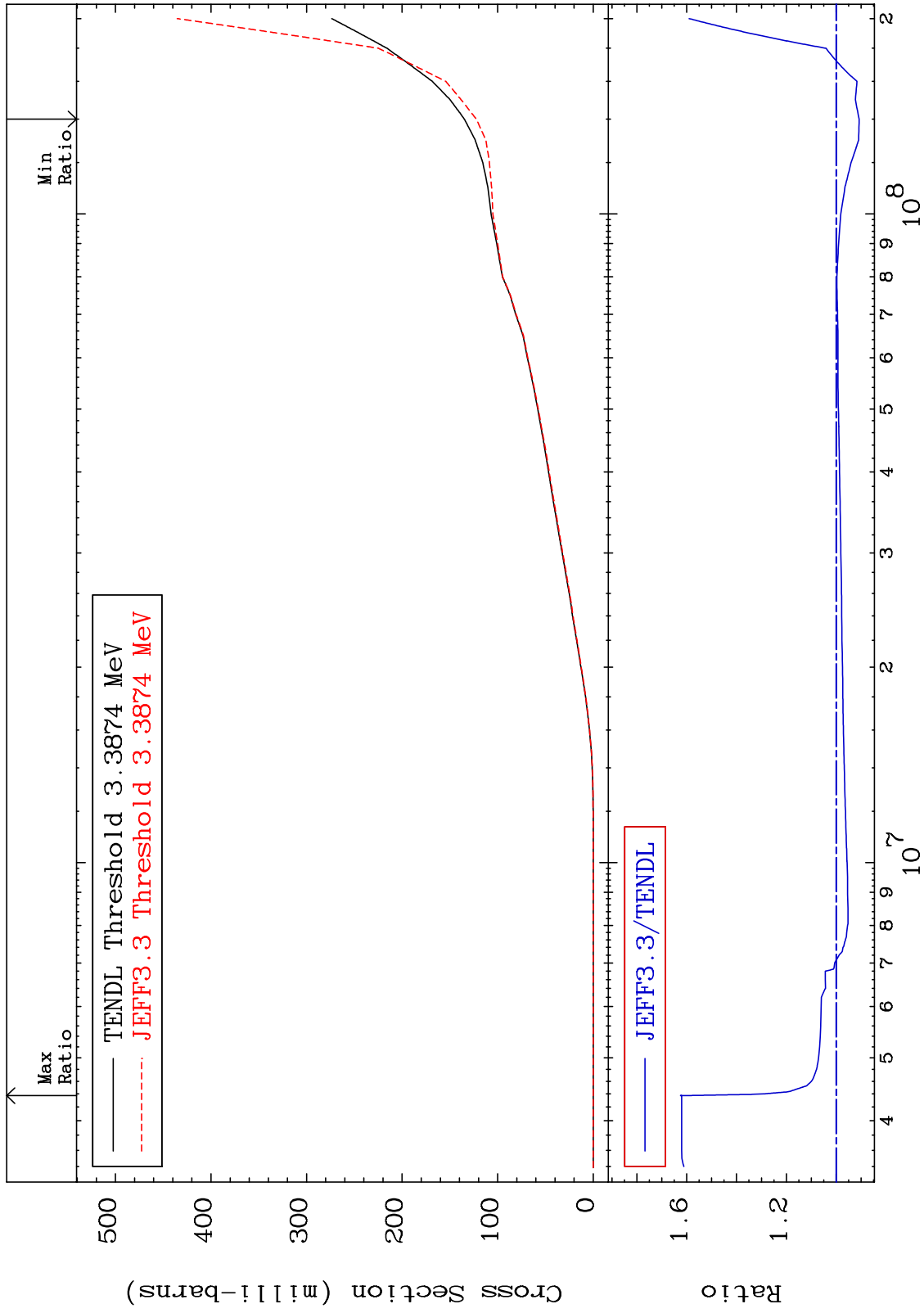
66-Dy-156  
-14.90 To 143.5 %



MAT 6625

Deuterium Production  
Cross Section

66-Dy-156  
-9.254 To 62.46 %



65

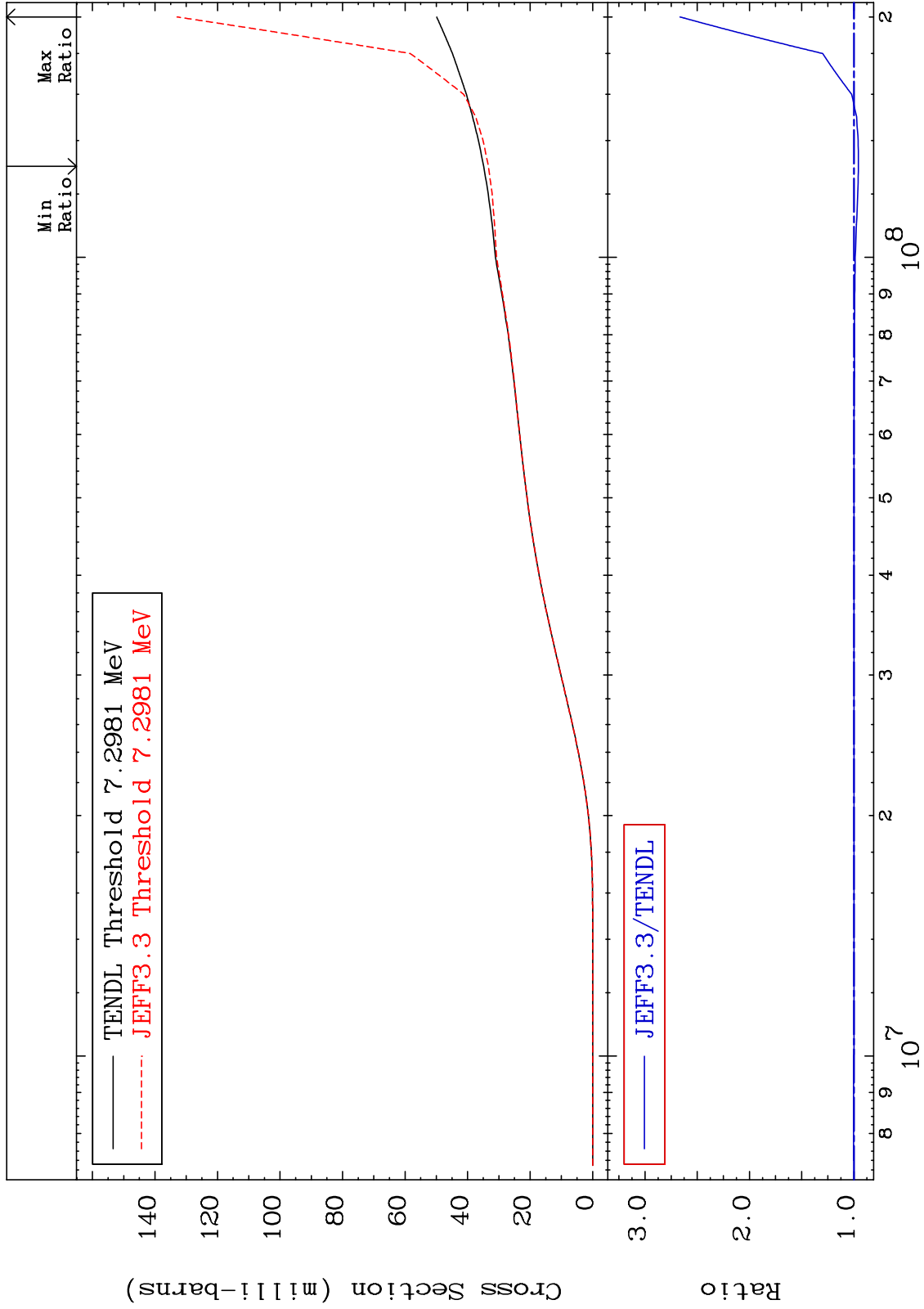
Incident Energy (eV)

66-Dy-156

MAT 6625

Tritium Production  
Cross Section

66-Dy-156  
-4.300 To 166.5 %



66

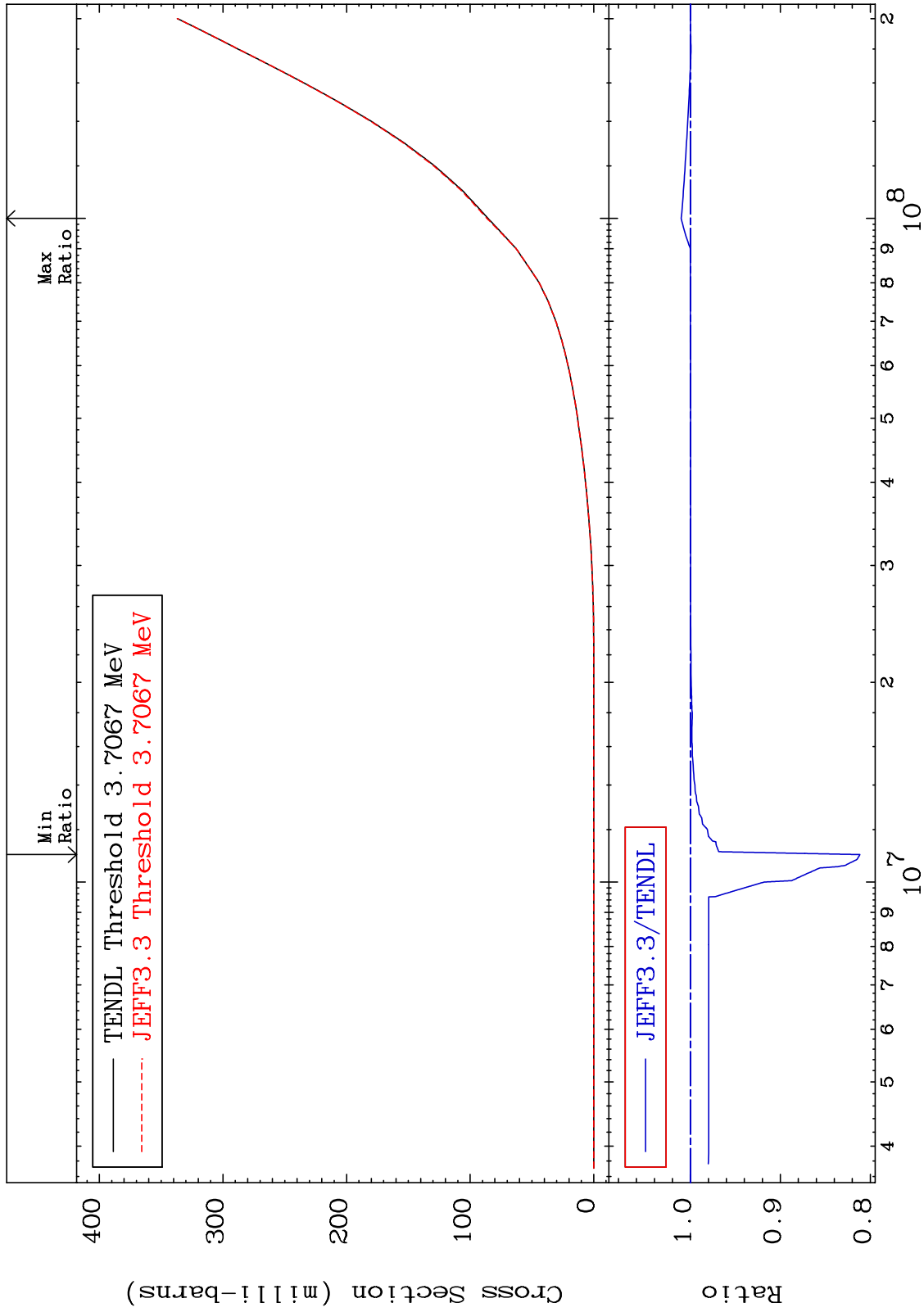
Incident Energy (eV)

66-Dy-156

MAT 6625

He-3 Production  
Cross Section

66-Dy-156  
-18.85 To 1.022 %



67

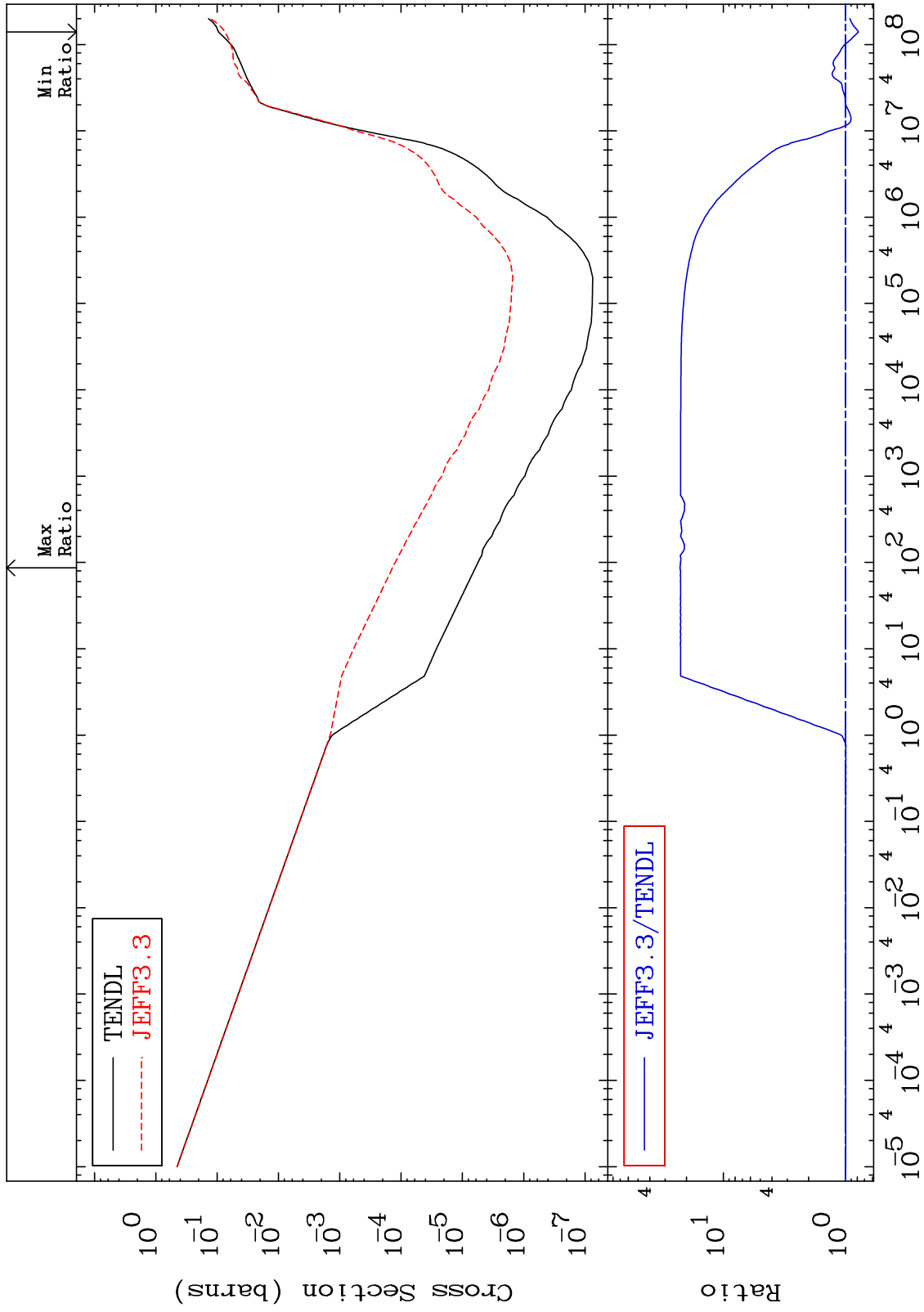
Incident Energy (eV)

66-Dy-156

MAT 6625

He-4 Production  
Cross Section

66-Dy-156  
-21.59 To 2163. %



68

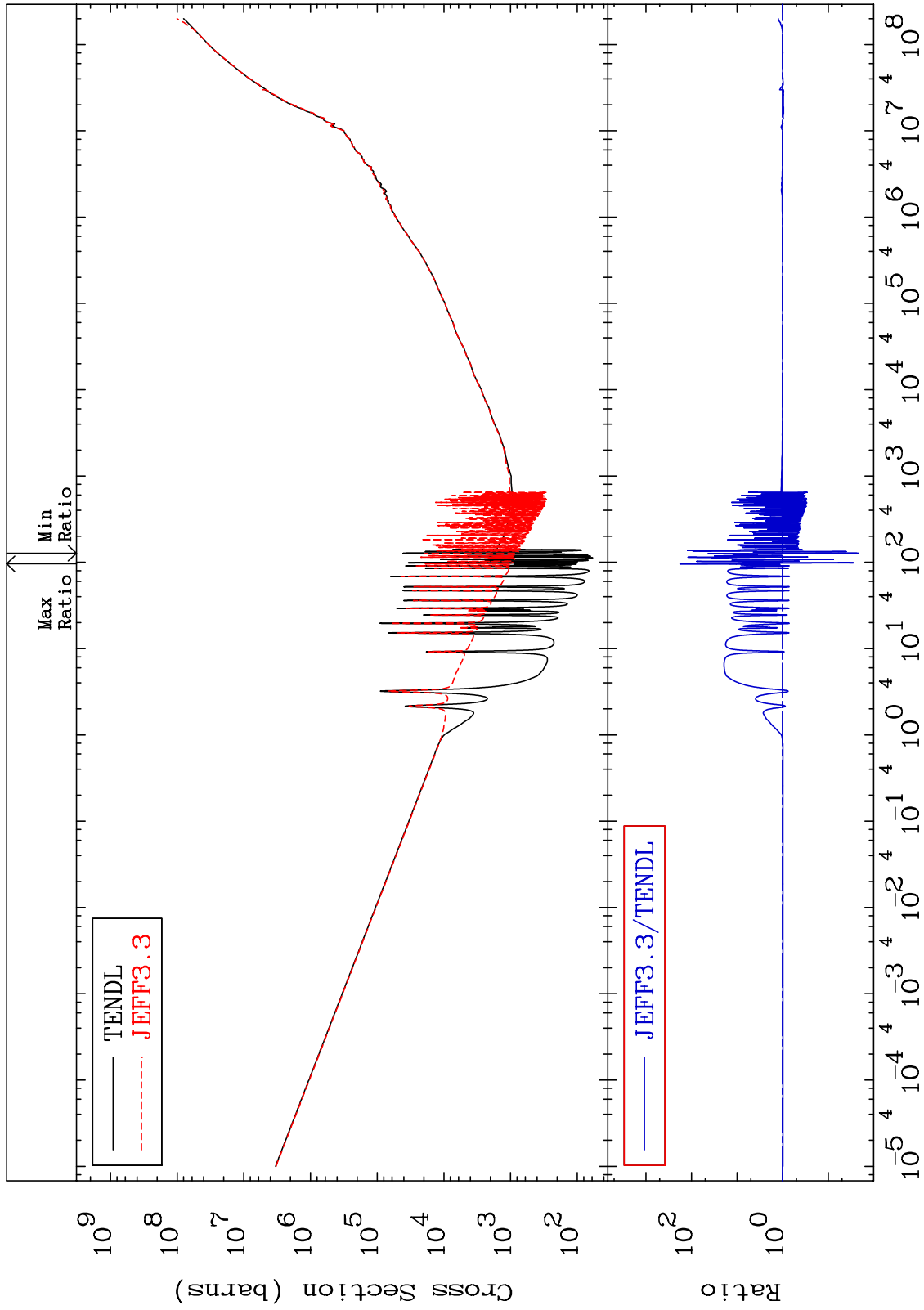
Incident Energy (eV)

66-Dy-156

MAT 6625

Kerma total (eV-barns)  
Cross Section

66-Dy-156  
-97.83 To 9999. %



69

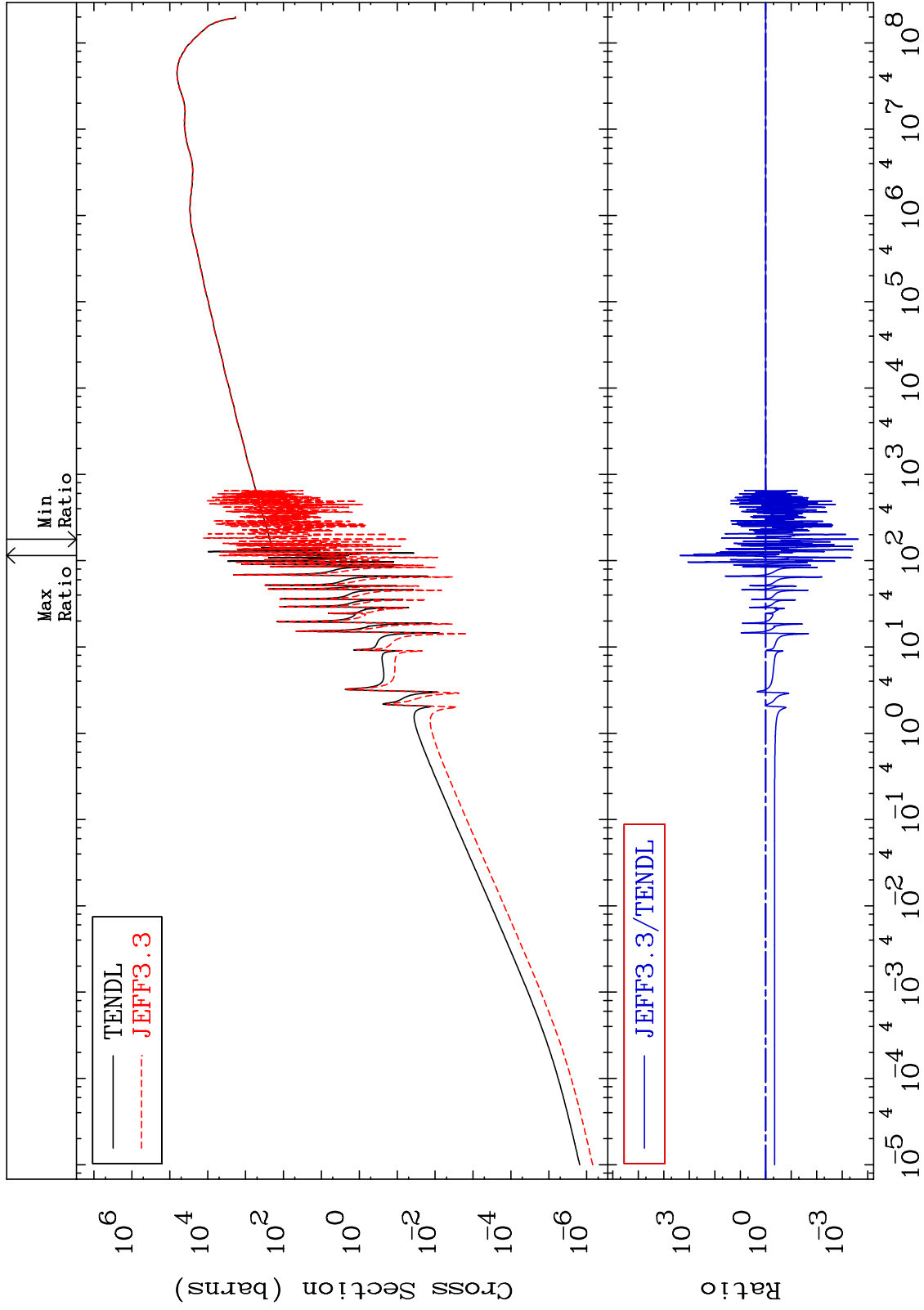
Incident Energy (eV)

66-Dy-156

MAT 6625

Kerma elastic  
Cross Section

66-Dy-156  
-99.98 To 9999. %



70

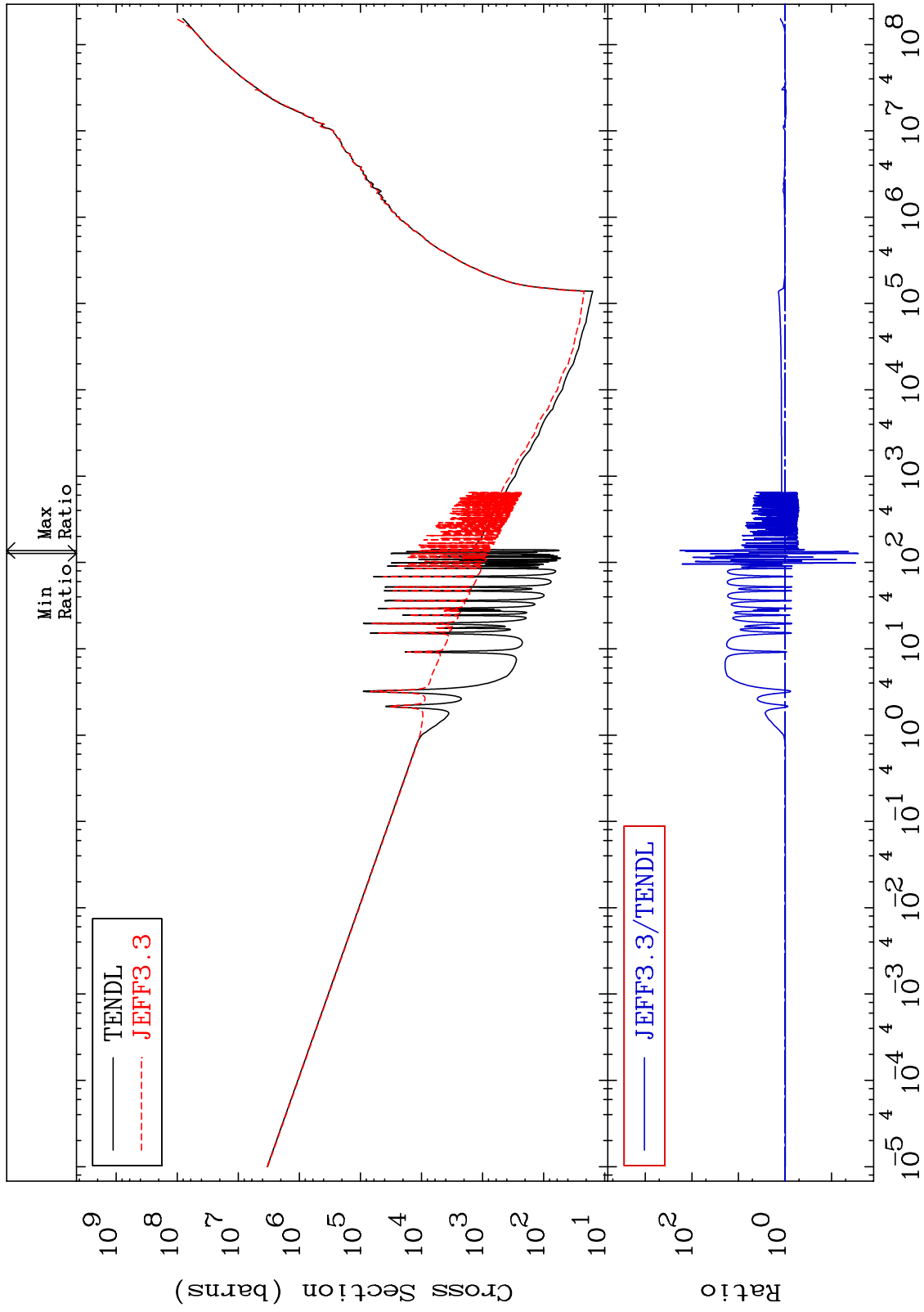
Incident Energy (eV)

66-Dy-156

MAT 6625

Kerma non-elastic (all but mt2)  
Cross Section

66-Dy-156  
-97.35 To 9999. %



71

Incident Energy (eV)

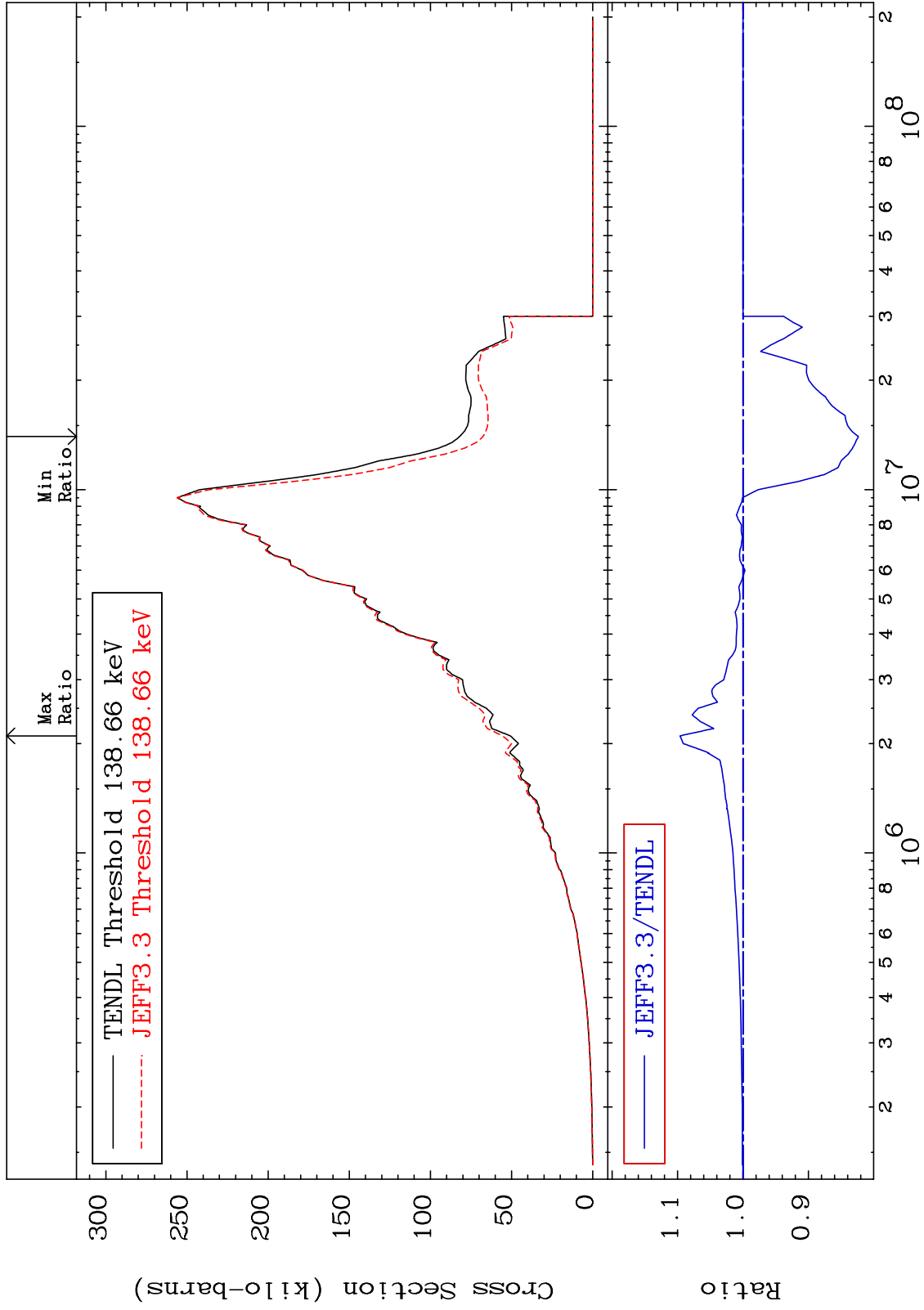
66-Dy-156



MAT 6625

Kerma inelastic (mt51-91)  
Cross Section

66-Dy-156  
-17.63 To 9.630 %



72

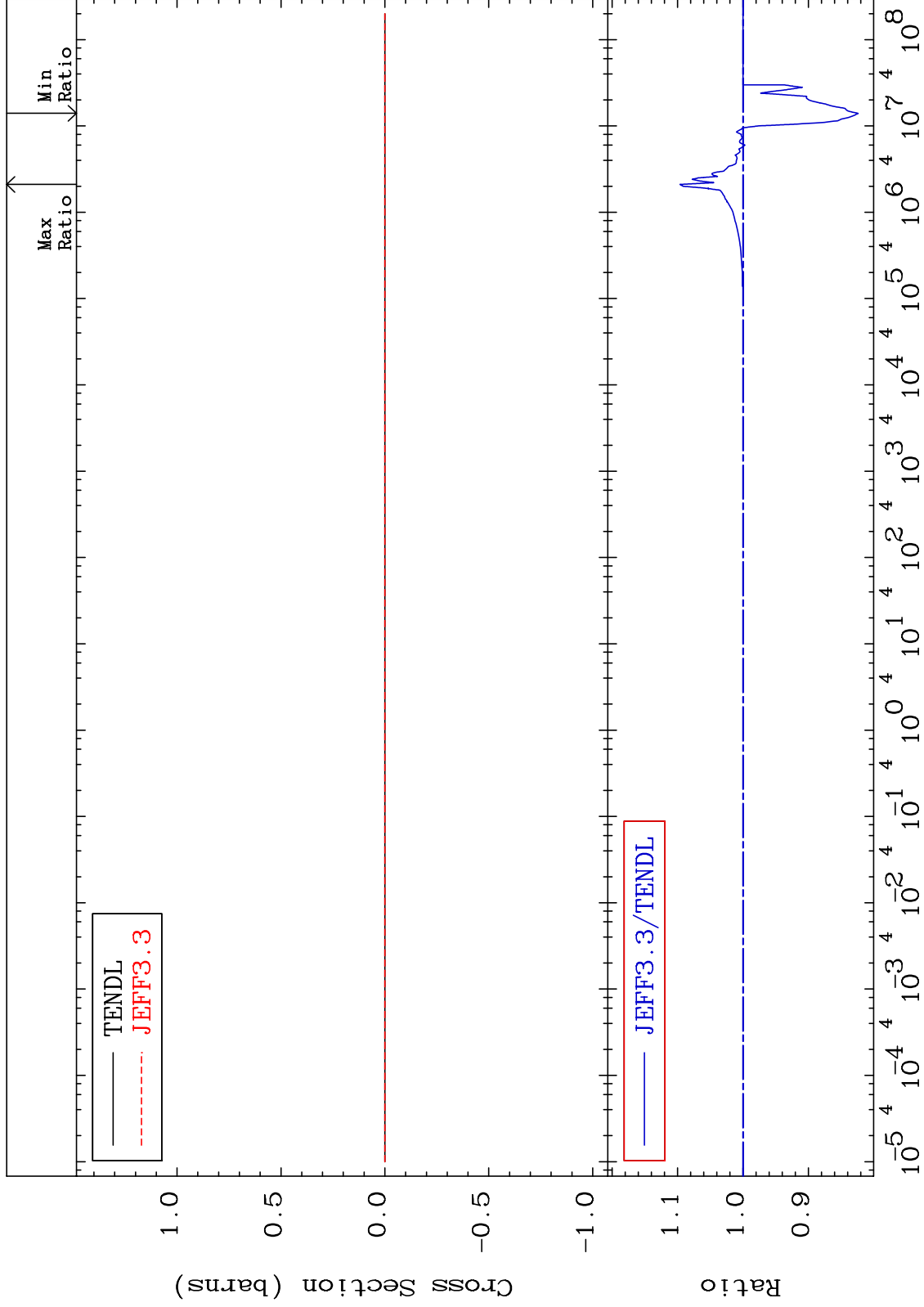
Incident Energy (eV)

66-Dy-156

MAT 6625

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

66-Dy-156  
-17.63 To 9.630 %



73

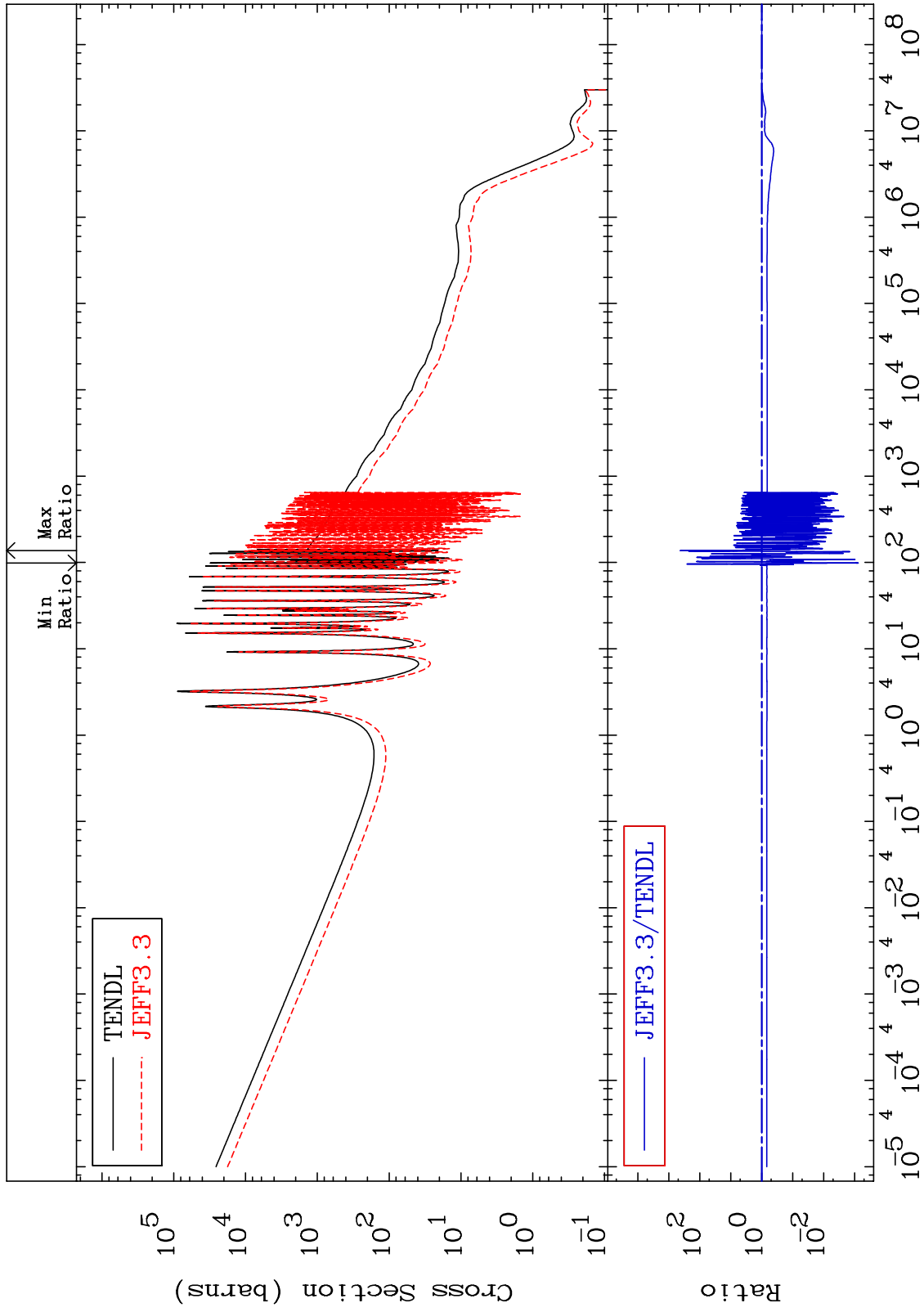
Incident Energy (eV)

66-Dy-156

MAT 6625

Kerma capture (mt102)  
Cross Section

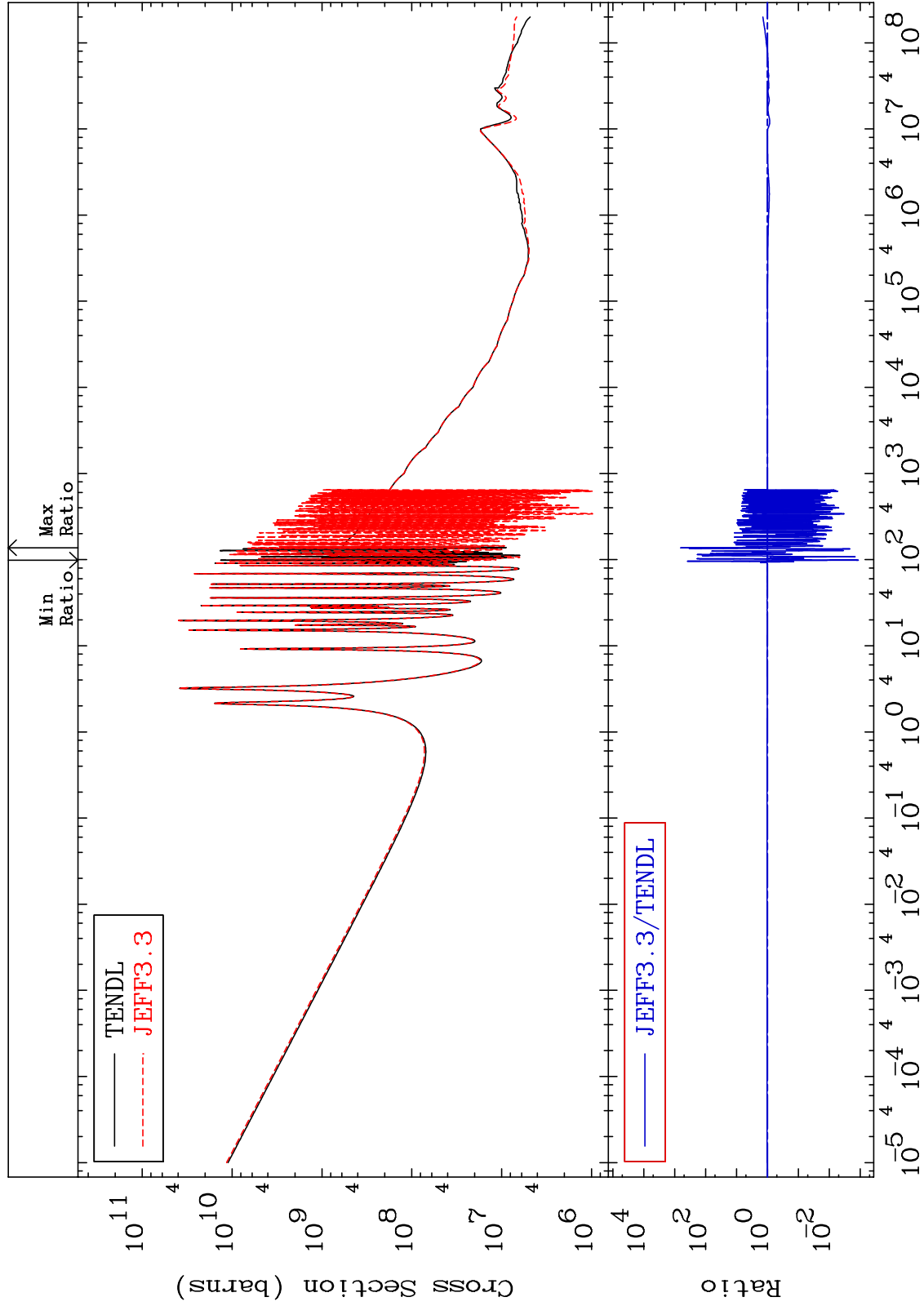
66-Dy-156  
-99.92 To 9999. %



MAT 6625

Total photon (eV-barns)  
Cross Section

66-Dy-156  
-99.89 To 9999. %



75

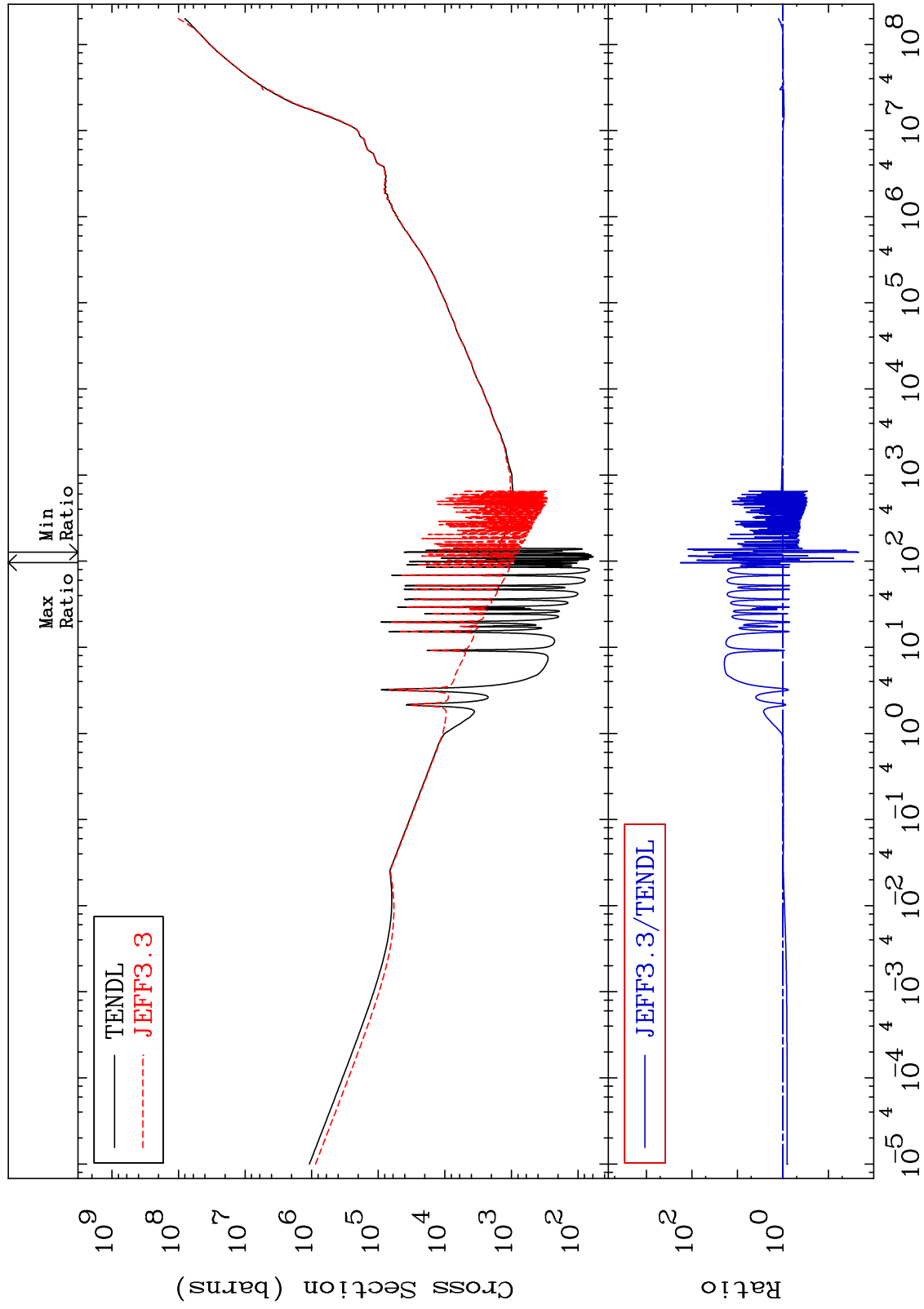
Incident Energy (eV)

66-Dy-156

MAT 6625

Total kinematic kerma (high limit)  
Cross Section

66-Dy-156  
-97.81 To 9999. %



76

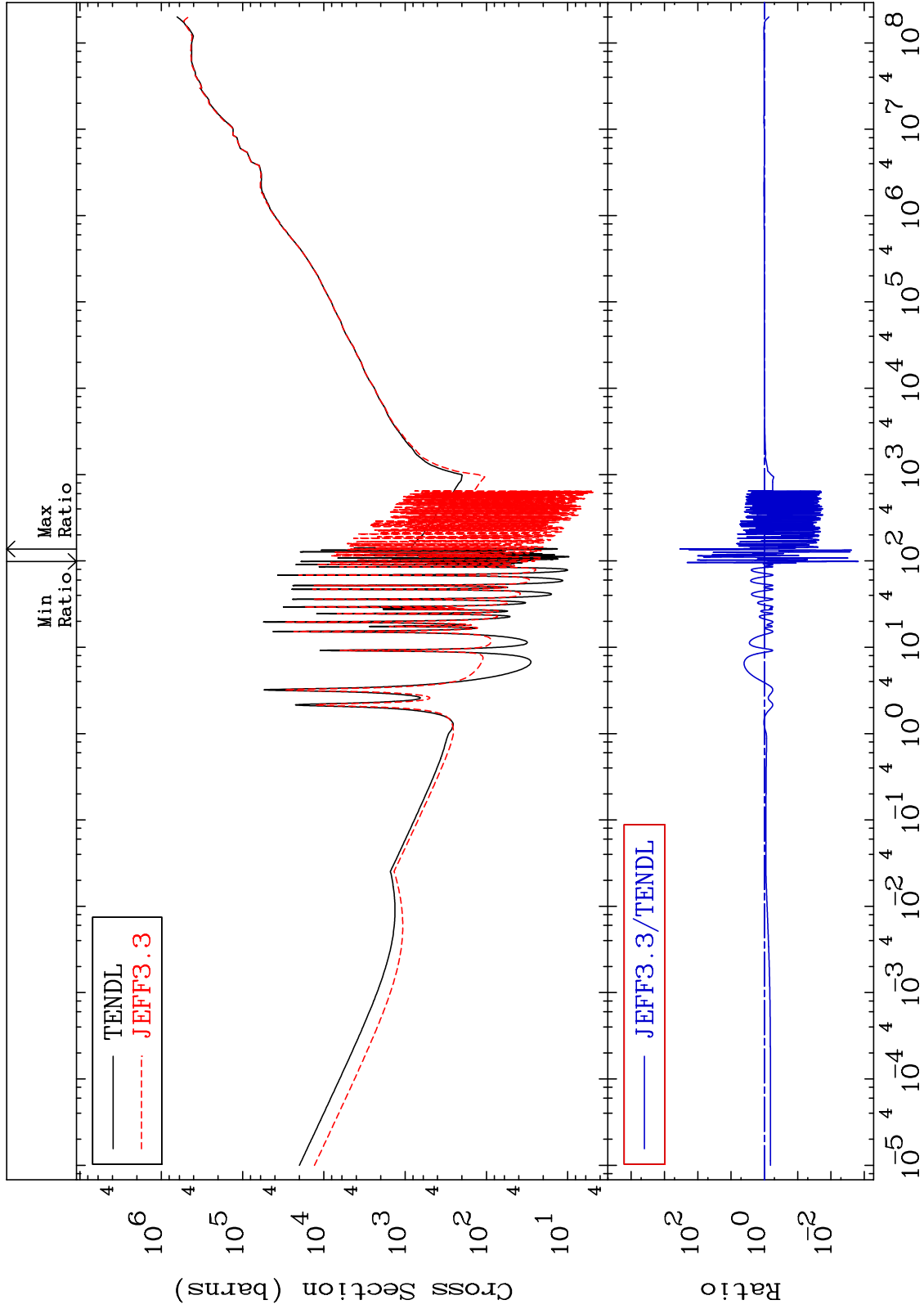
66-Dy-156

66-Dy-156

MAT 6625

Dpa total (eV-barns)  
Cross Section

66-Dy-156  
-99.85 To 9999. %



77

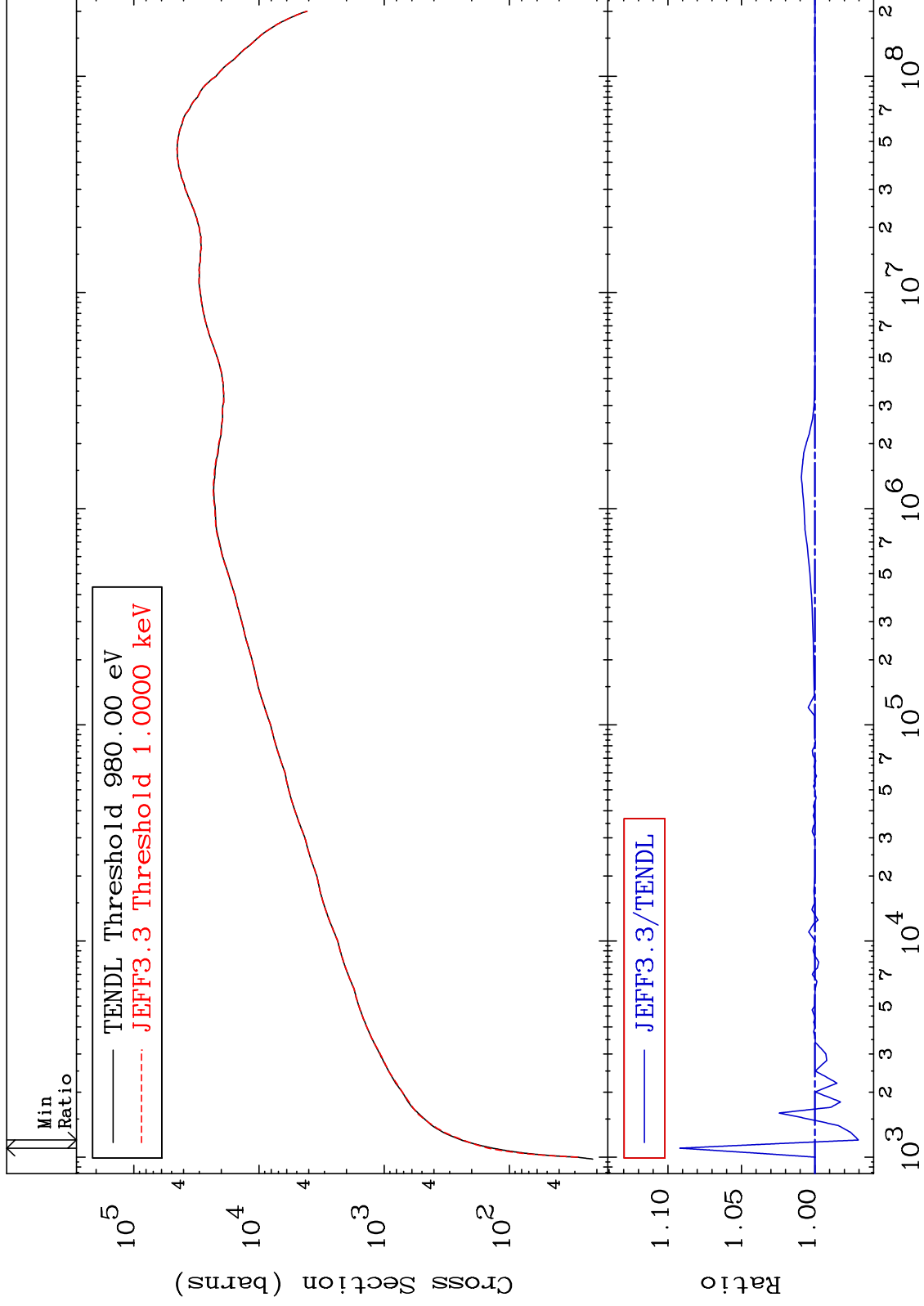
Incident Energy (eV)

66-Dy-156

MAT 6625

Dpa elastic (mt2)  
Cross Section

66-Dy-156  
-2.958 To 9.174 %



78

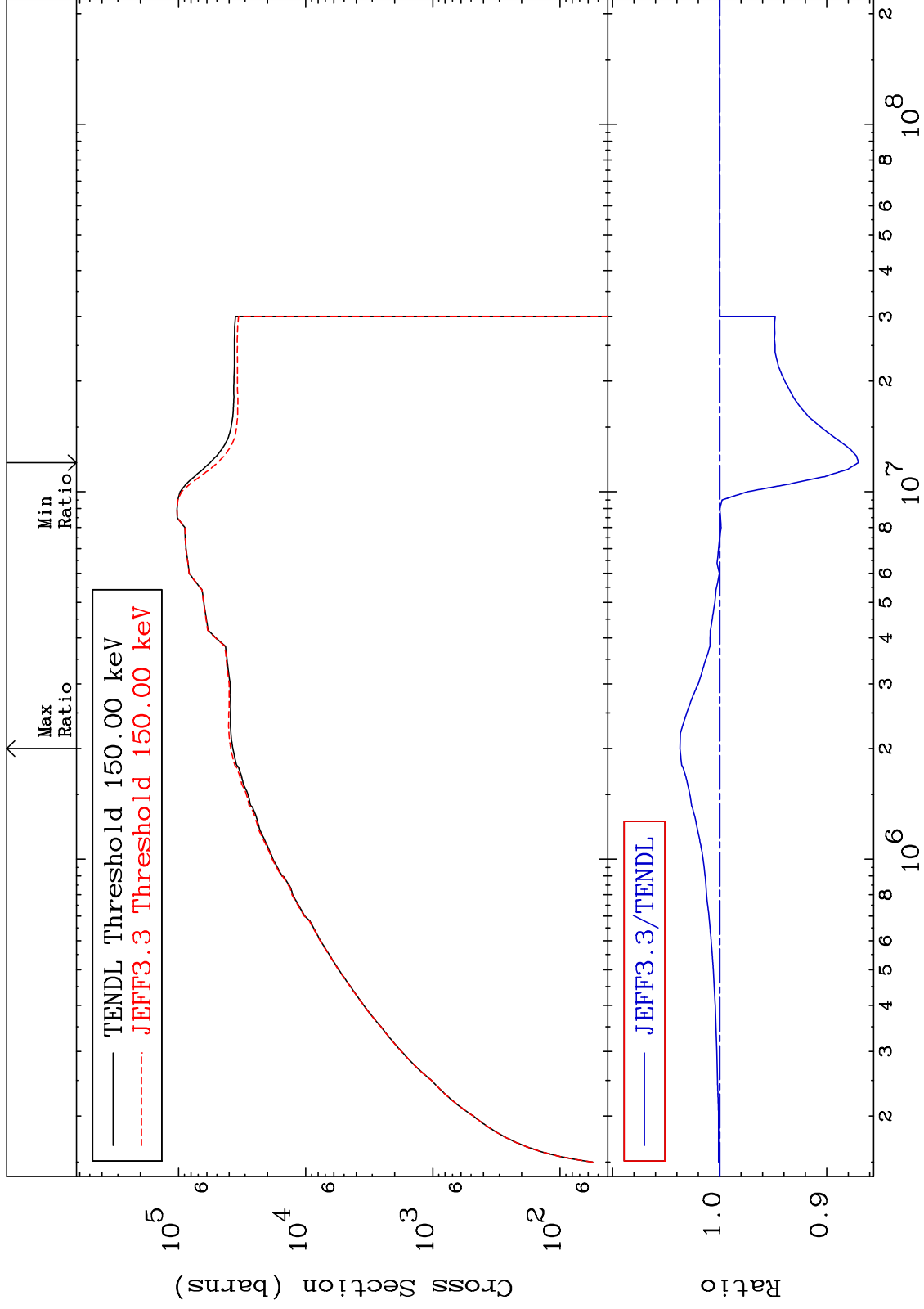
Incident Energy (eV)

66-Dy-156

MAT 6625

Dpa inelastic (mt51-91)  
Cross Section

66-Dy-156  
-12.95 To 3.704 %



79

Incident Energy (eV)

66-Dy-156



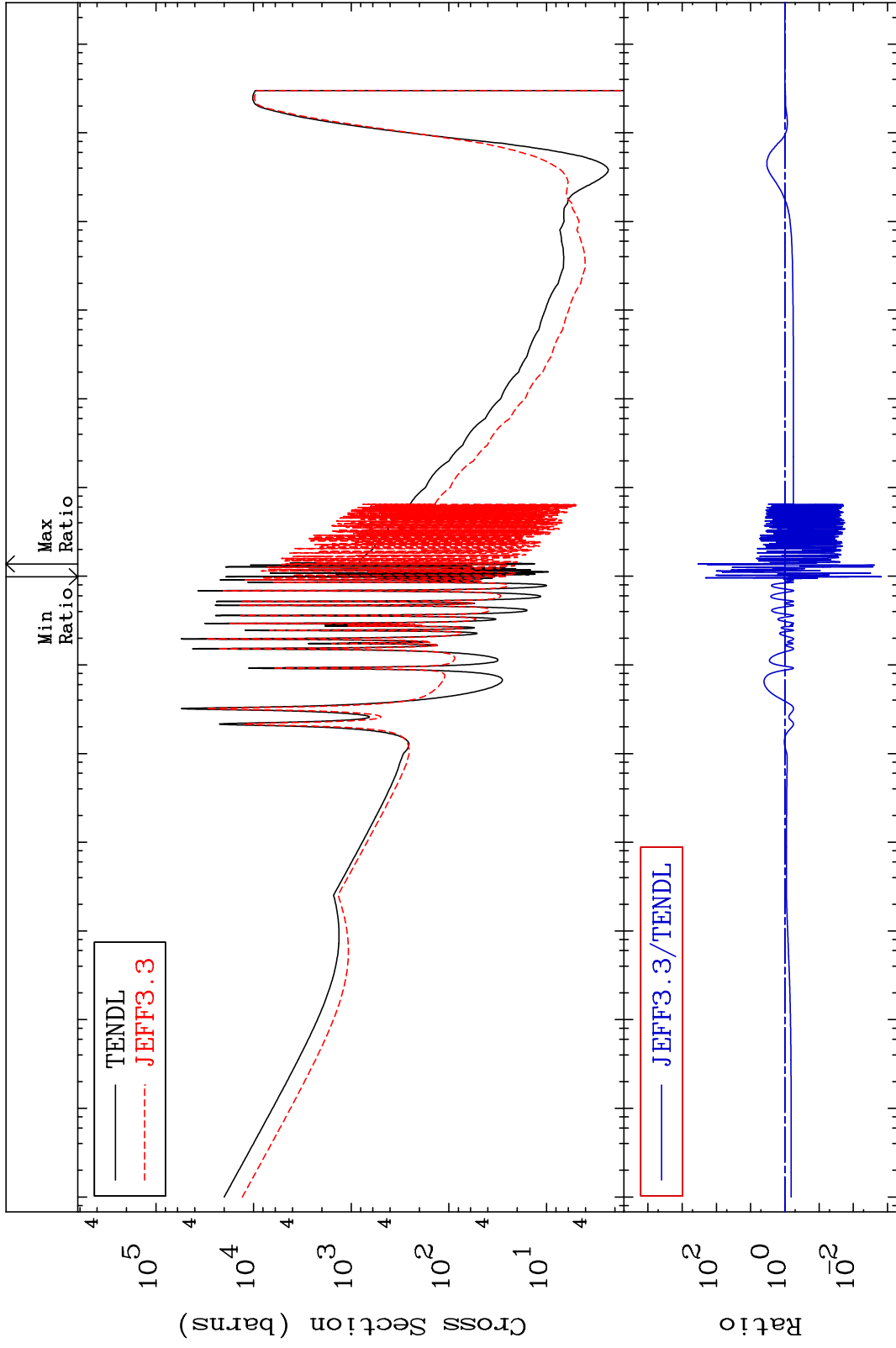
MAT 6625

Dpa disappearance (mt102 -120)

66-Dy-156

-99.85 To 9999. %

Cross Section



80

Incident Energy (eV)

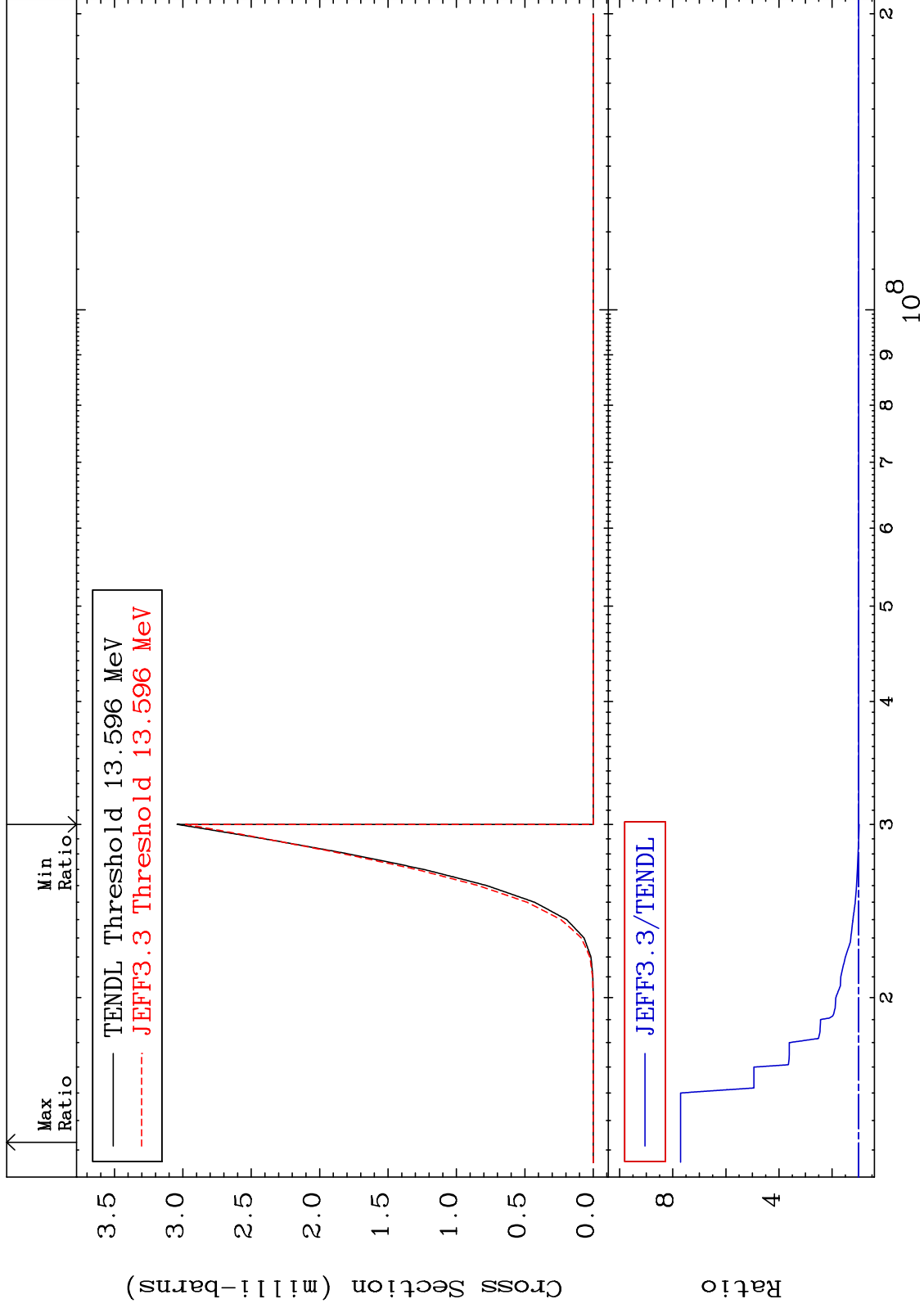
66-Dy-156

MAT 6625

(n, n') d:65-Tb-154g

66-Dy-156

Radionuclide Production Cross Section -2.054 To 670.5 %

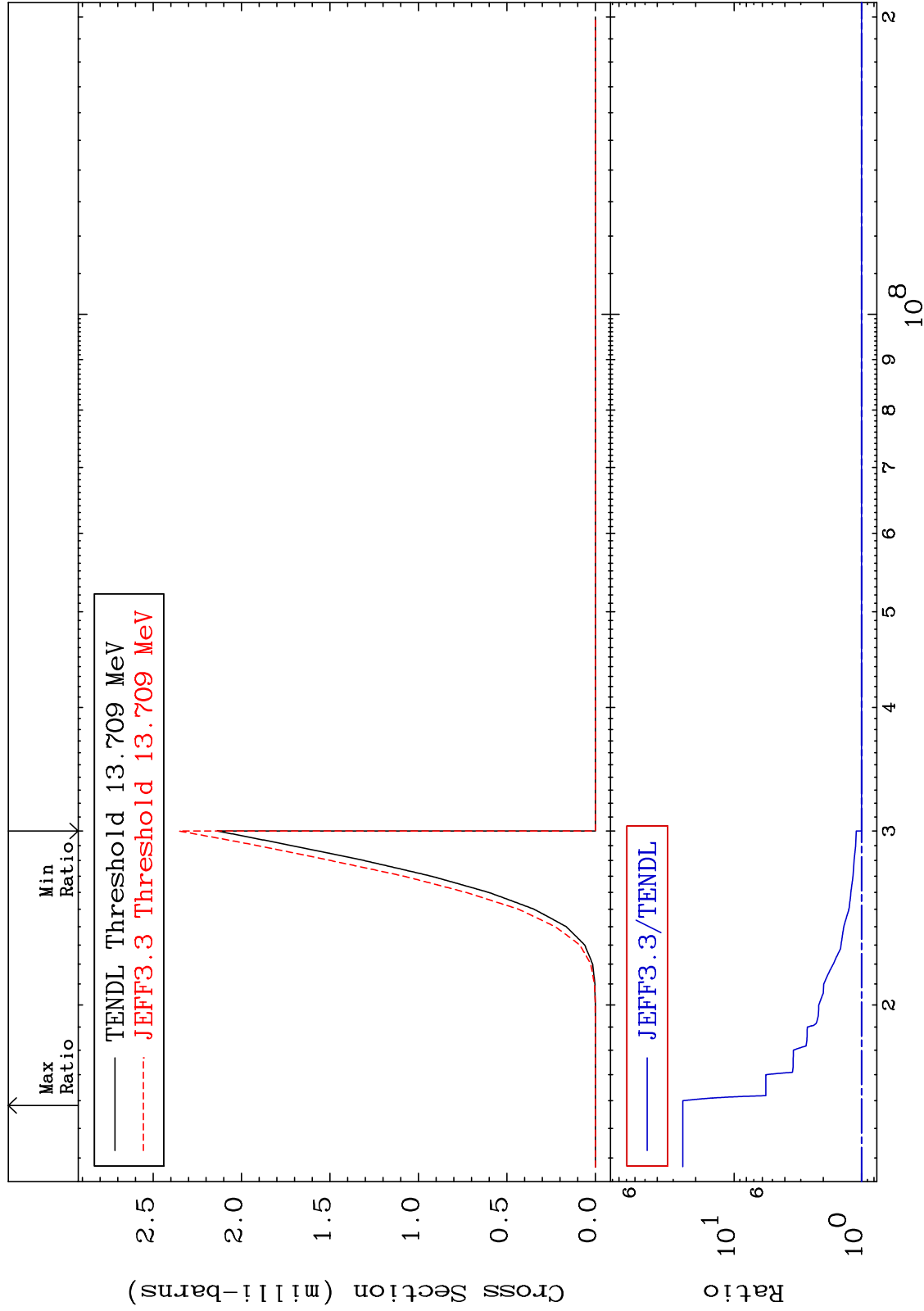


MAT 6625

(n, n') d: 65-Tb-154m1

66-Dy-156

Radionuclide Production Cross Section 0.000 To 2421. %

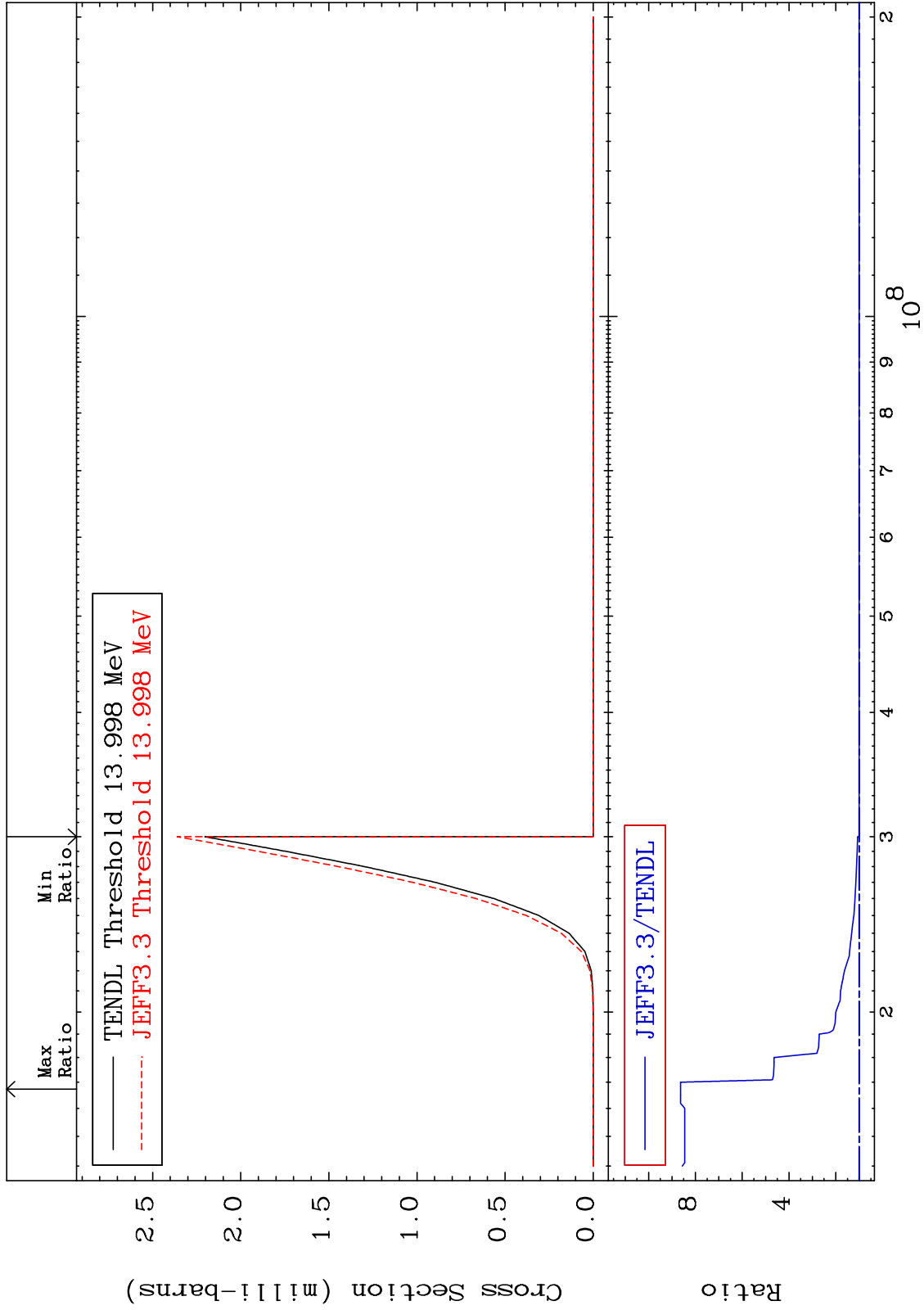


MAT 6625

(n, n') d: 65-Tb-154m2

66-Dy-156

Radionuclide Production Cross Section 0.000 To 763.2 %

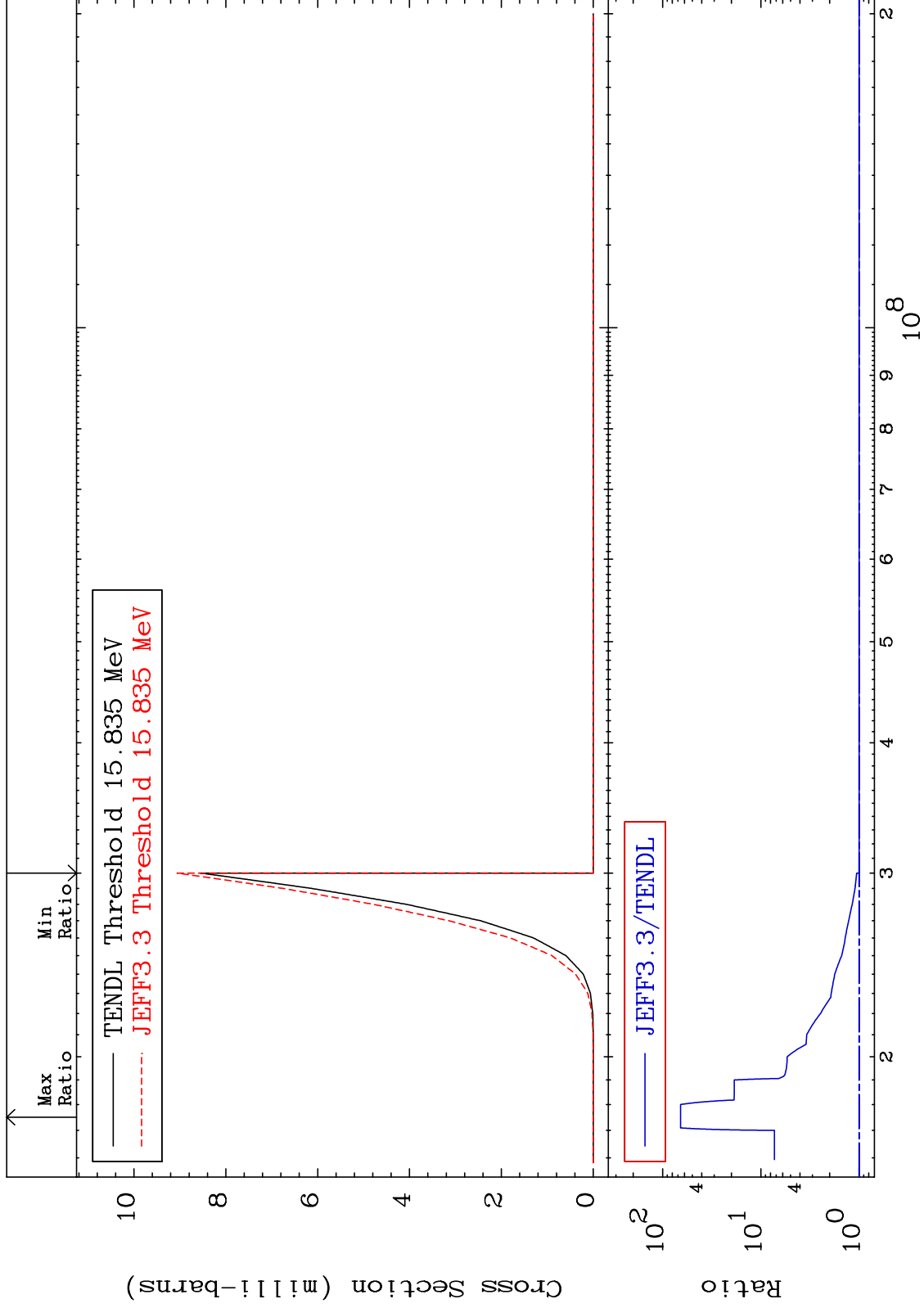


MAT 6625

(n,2n) p:65-Tb-154g

66-Dy-156

Radionuclide Production Cross Section 0.000 To 6473. %

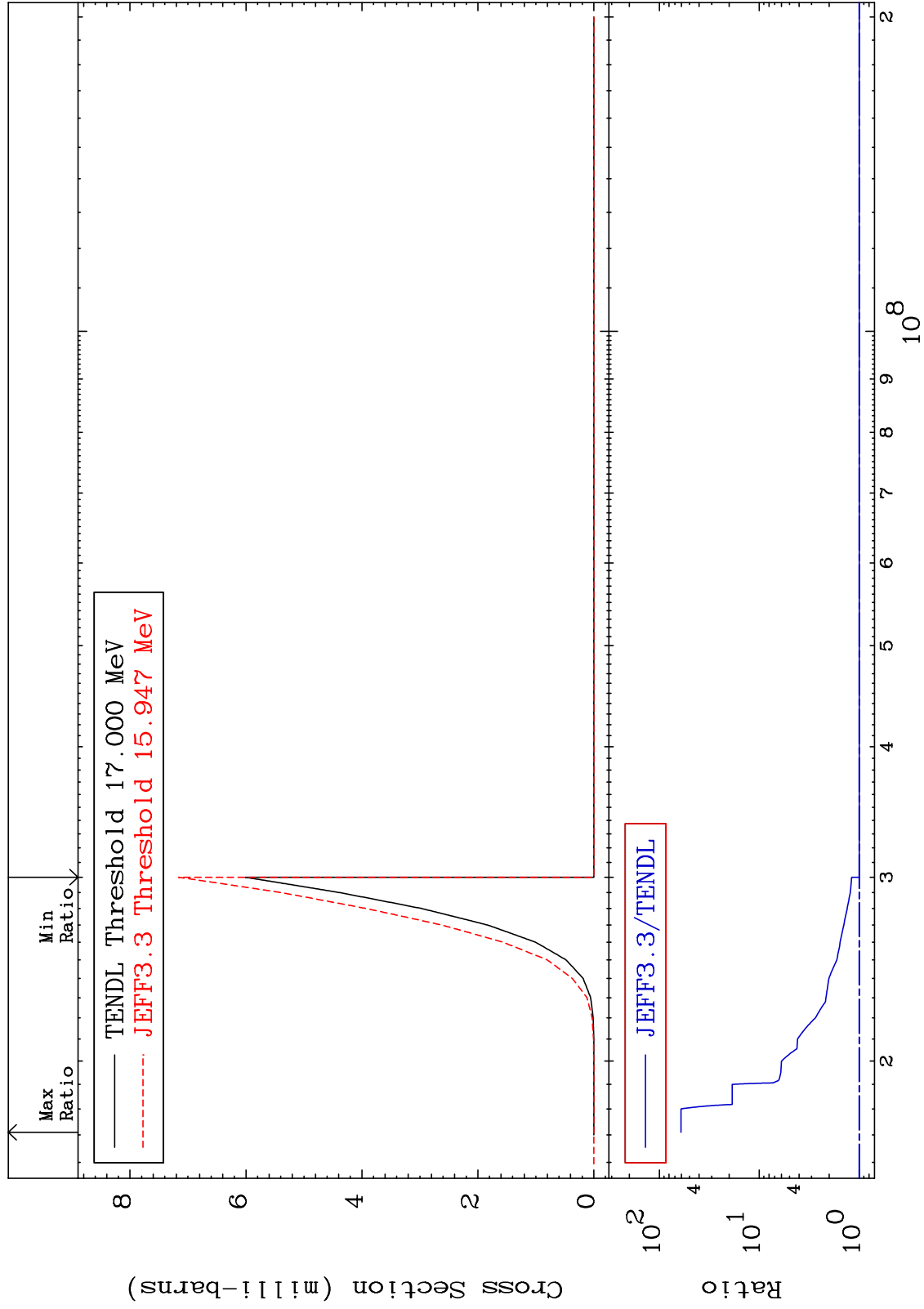


MAT 6625

(n,2n) p:65-Tb-154m1

66-Dy-156

Radionuclide Production Cross Section 0.000 To 5964. %

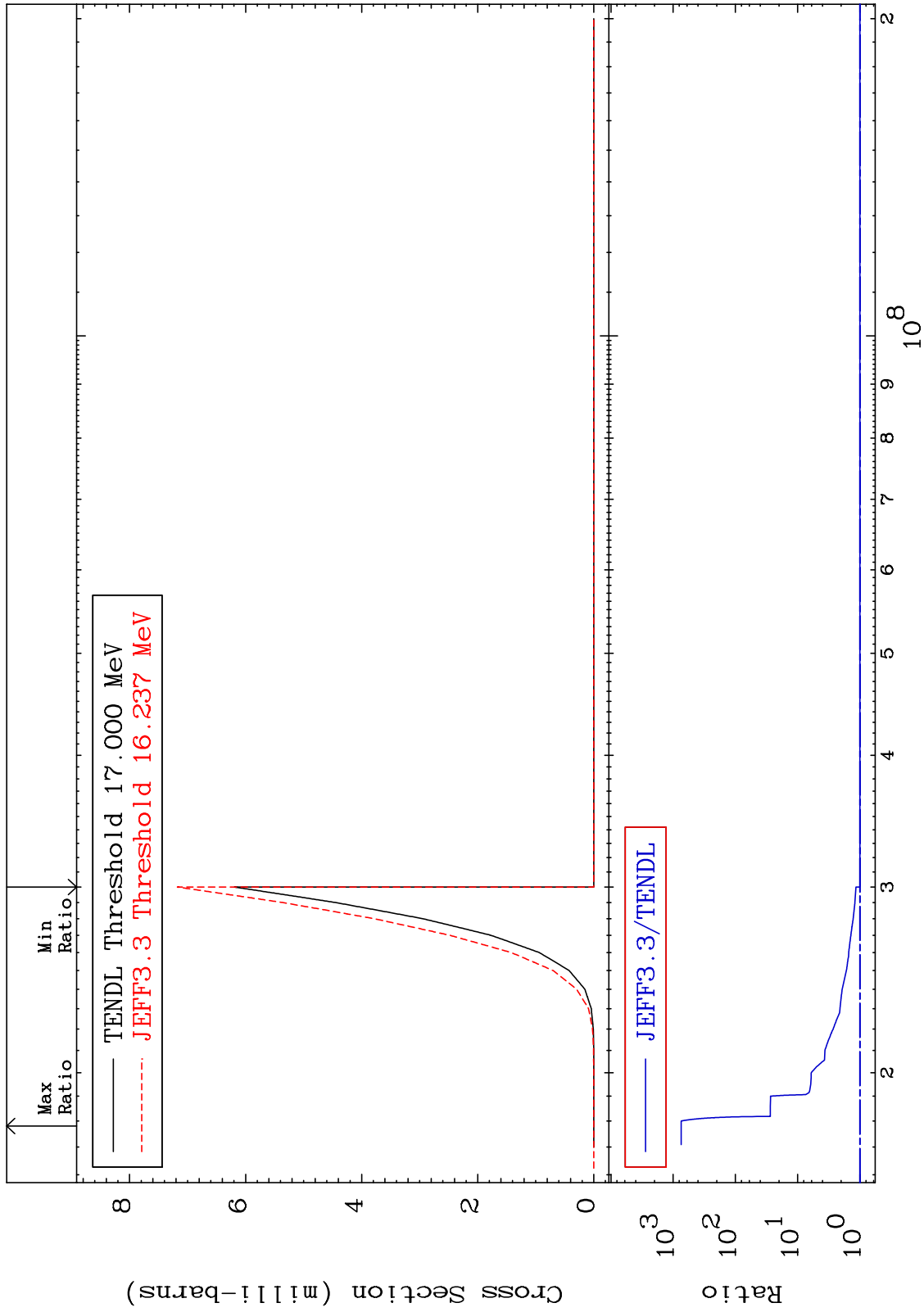


MAT 6625

(n,2n) p:65-Tb-154m2

66-Dy-156

Radionuclide Production Cross Section 0.000 To 9999. %



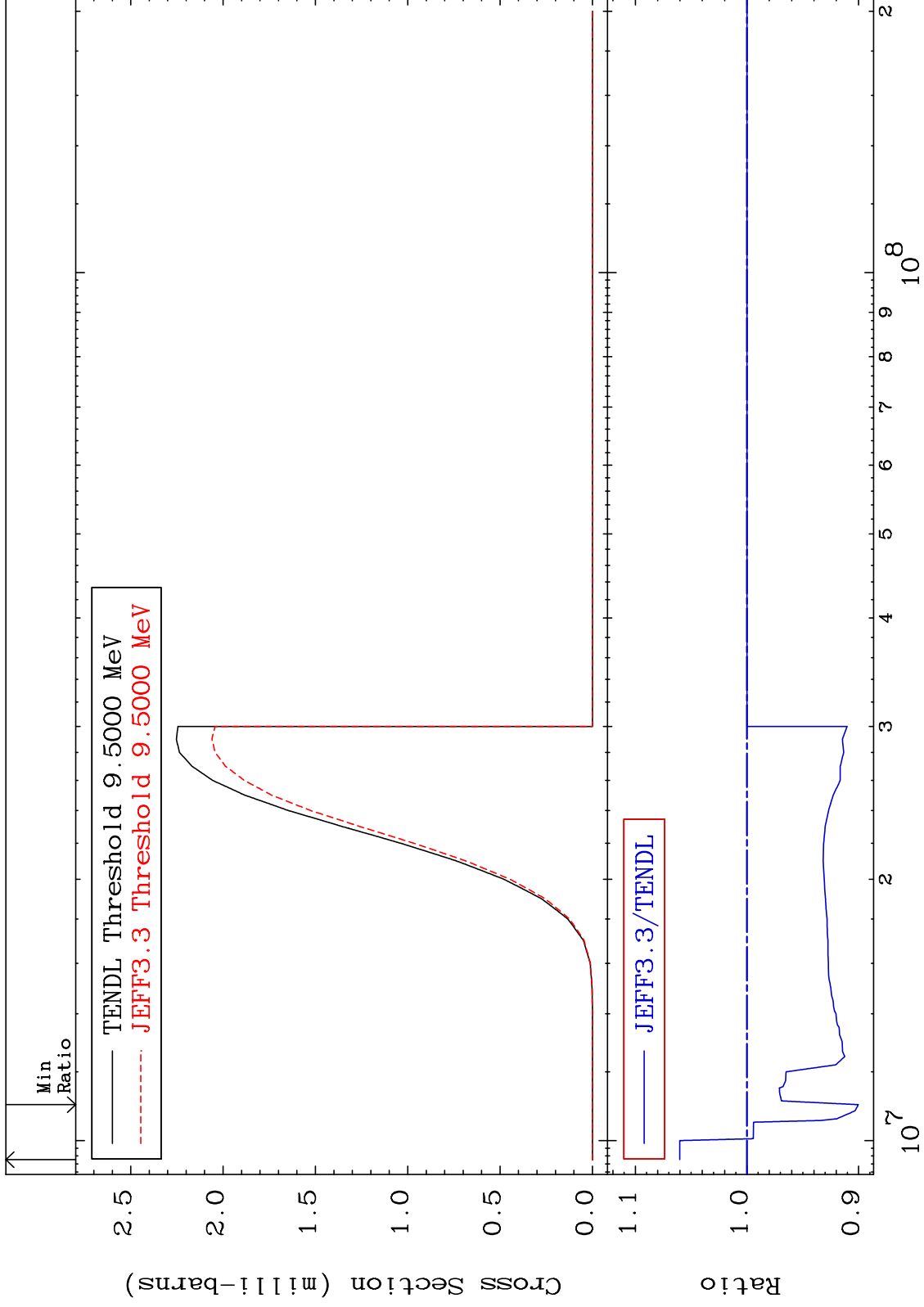
MAT 6625

(n, t): 65-Tb-154g

66-Dy-156

Radionuclide Production Cross Section

-9.977 To 6.015 %



87

Incident Energy (eV)

66-Dy-156

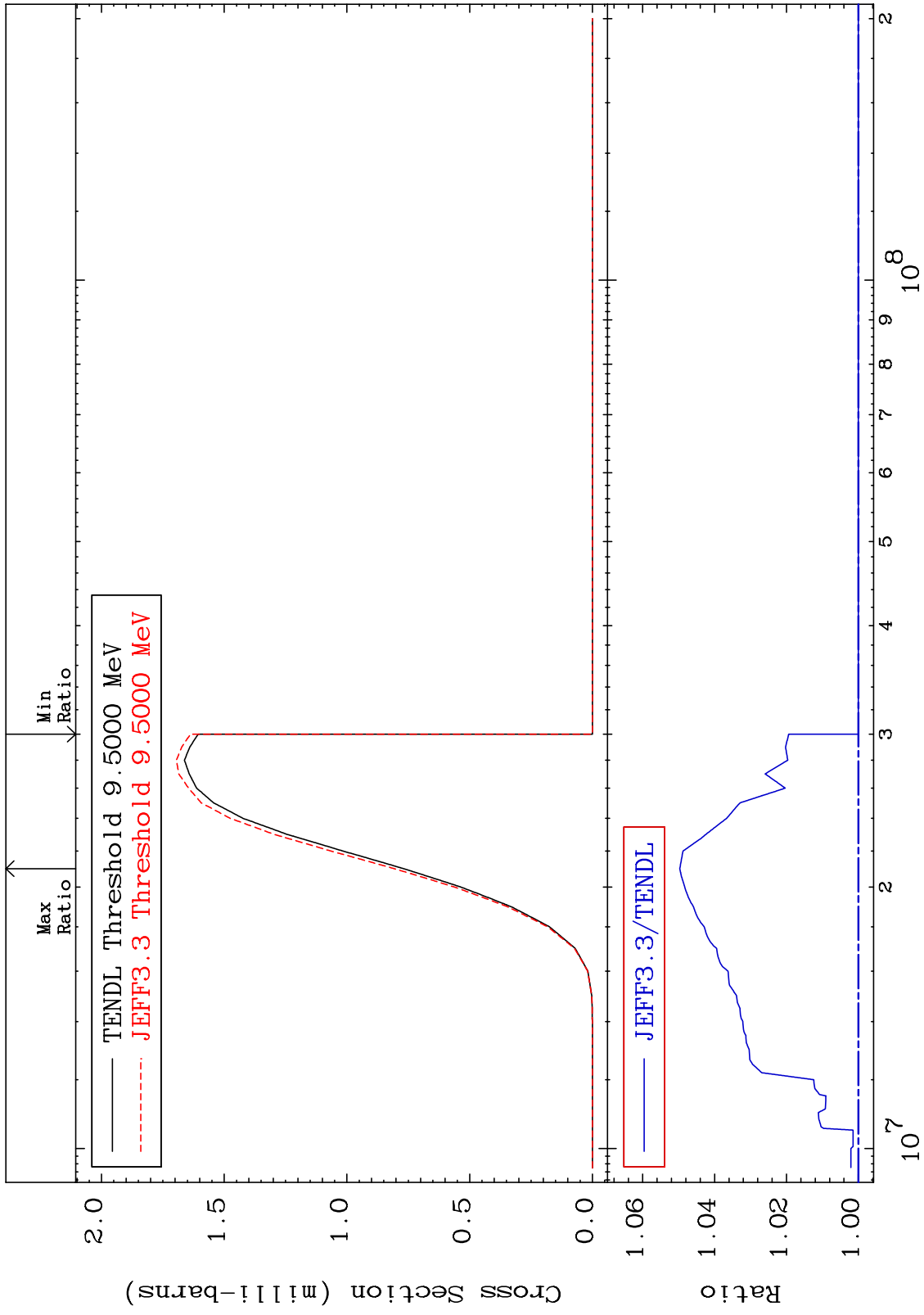


MAT 6625

(n, t) : 65-Tb-154m1

66-Dy-156

Radionuclide Production Cross Section 0.000 To 4.968 %



88

Incident Energy (eV)

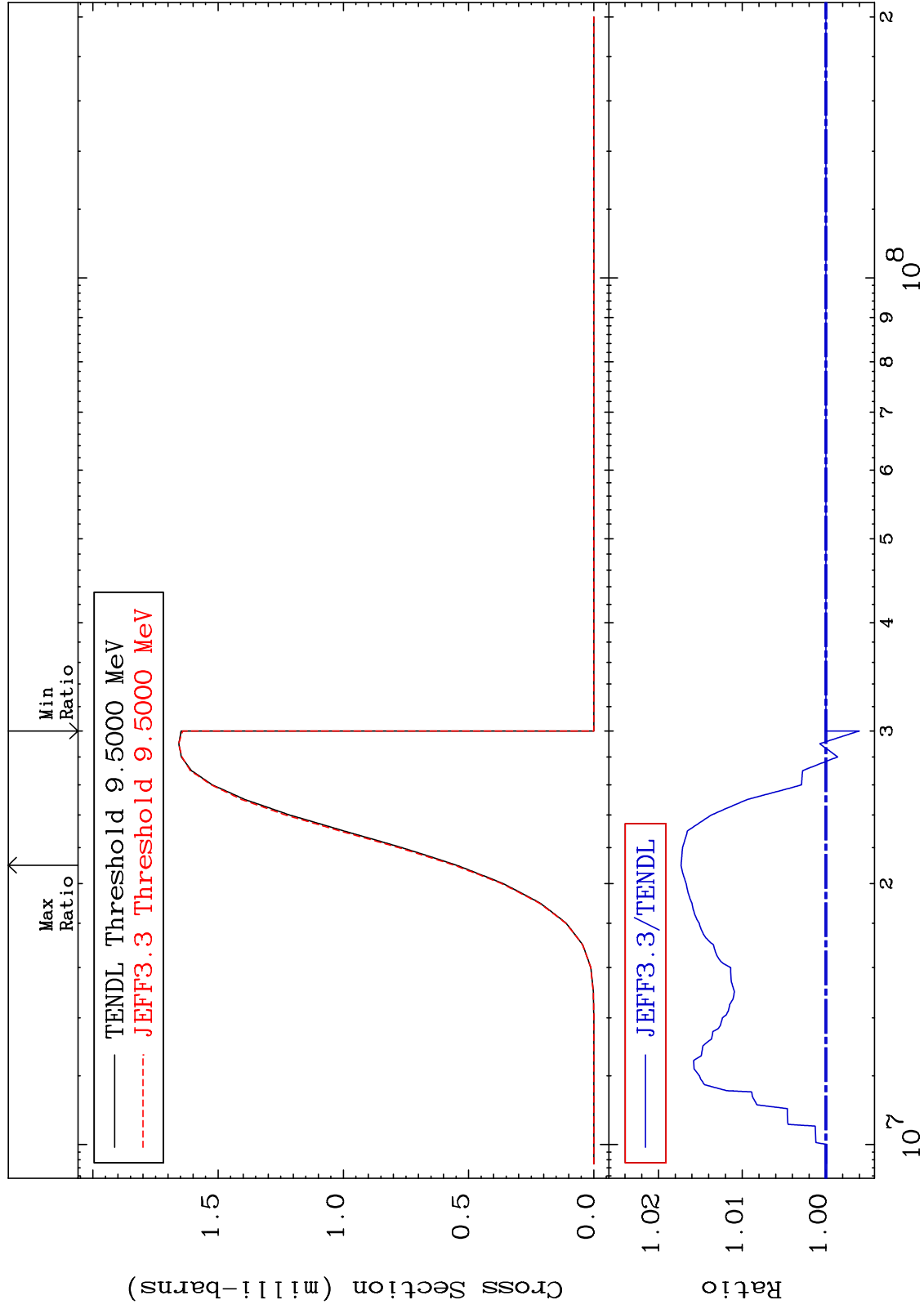
66-Dy-156

MAT 6625

(n, t) : 65-Tb-154m2

66-Dy-156

Radionuclide Production Cross Section -0.399 To 1.730 %



89

Incident Energy (eV)

66-Dy-156