

Program Complot
(Version 2018-1)

by

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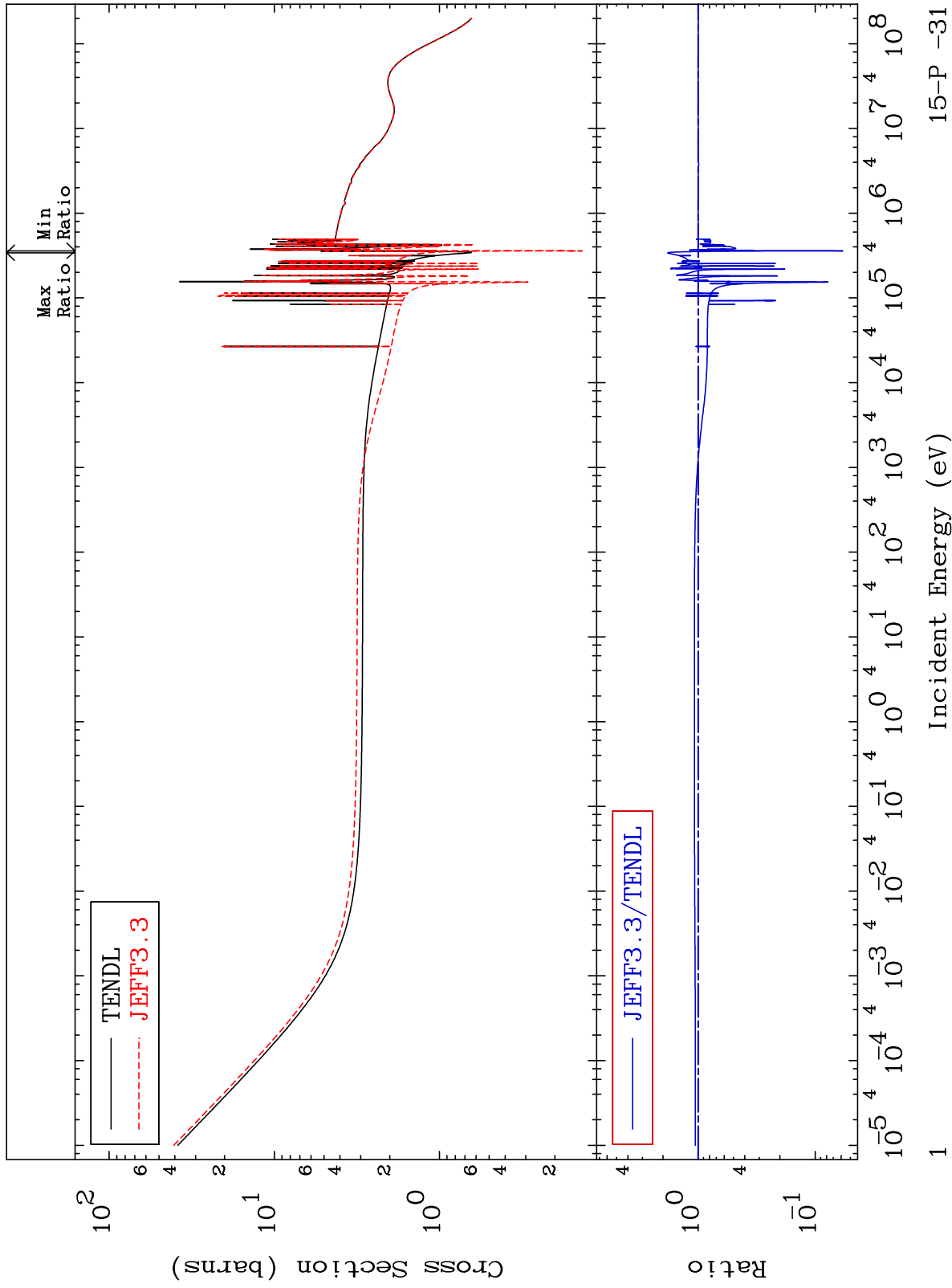
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1525

Total
Cross Section

15-P -31
-94.18 To 82.84 %

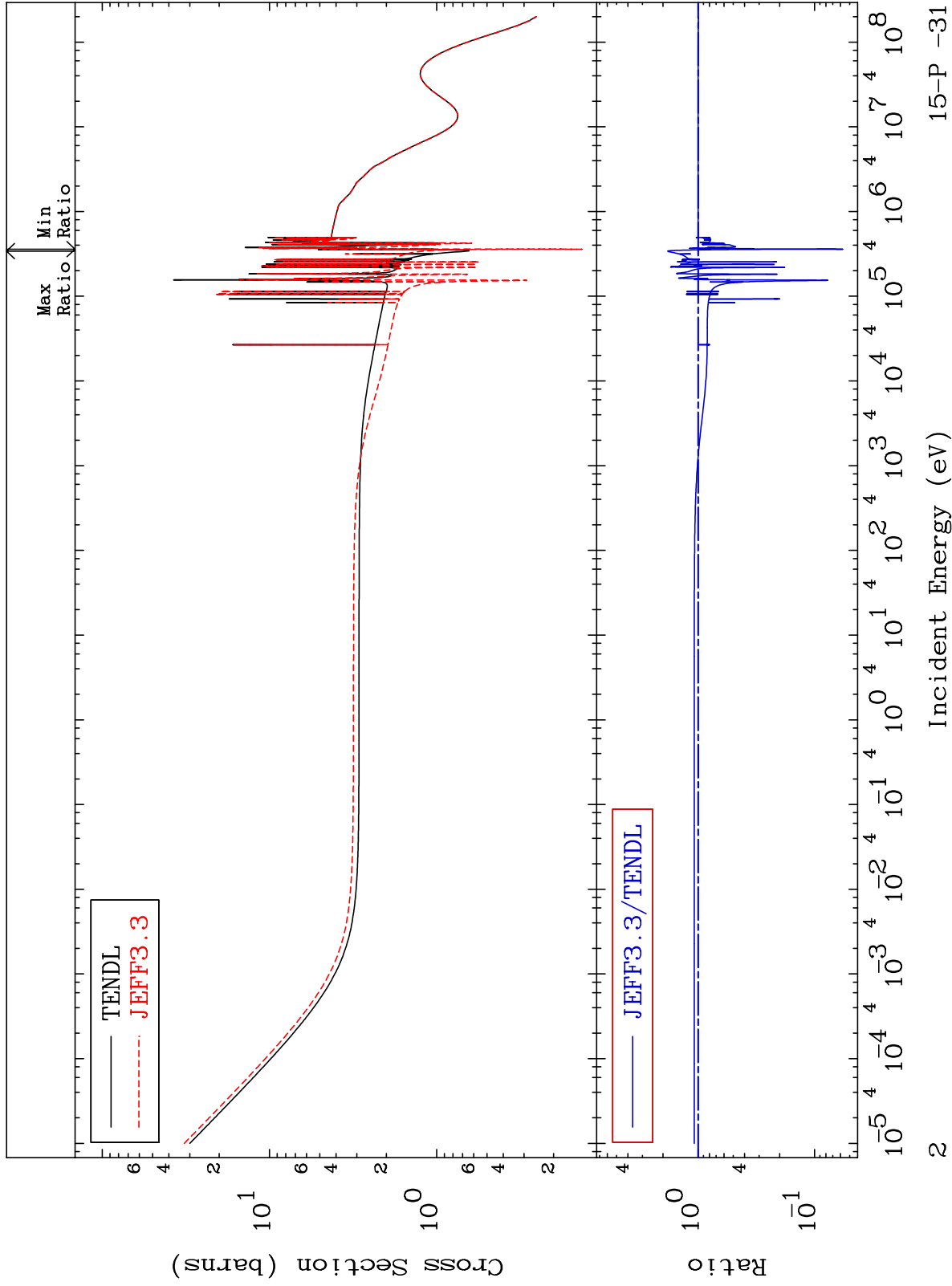


15-P -31

MAT 1525

Elastic
Cross Section

15-P -31
-94.25 To 82.86 %



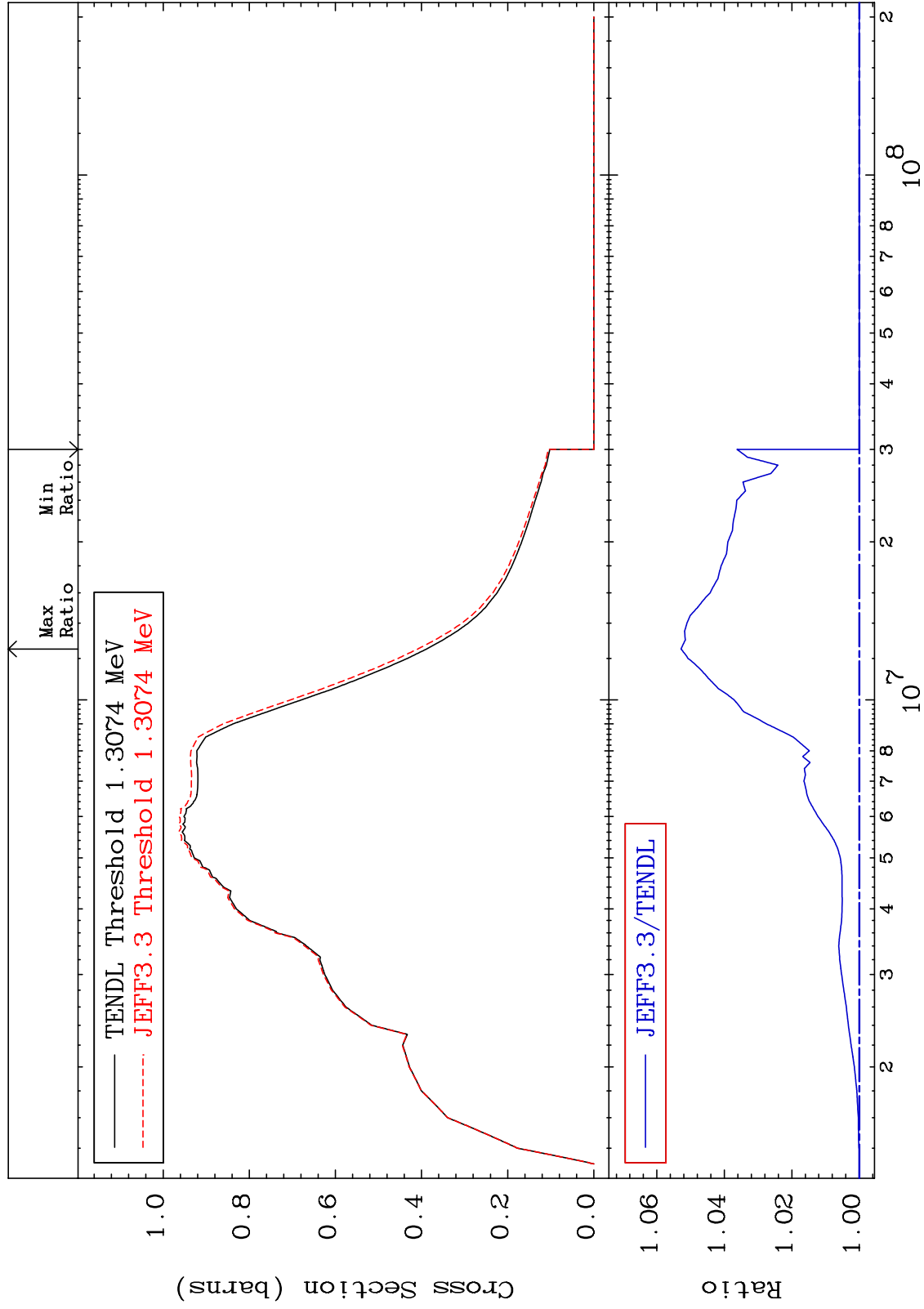
Incident Energy (eV)

15-P -31

2

MAT 1525

Inelastic Cross Section
0.000 To 5.283 %
15-P -31



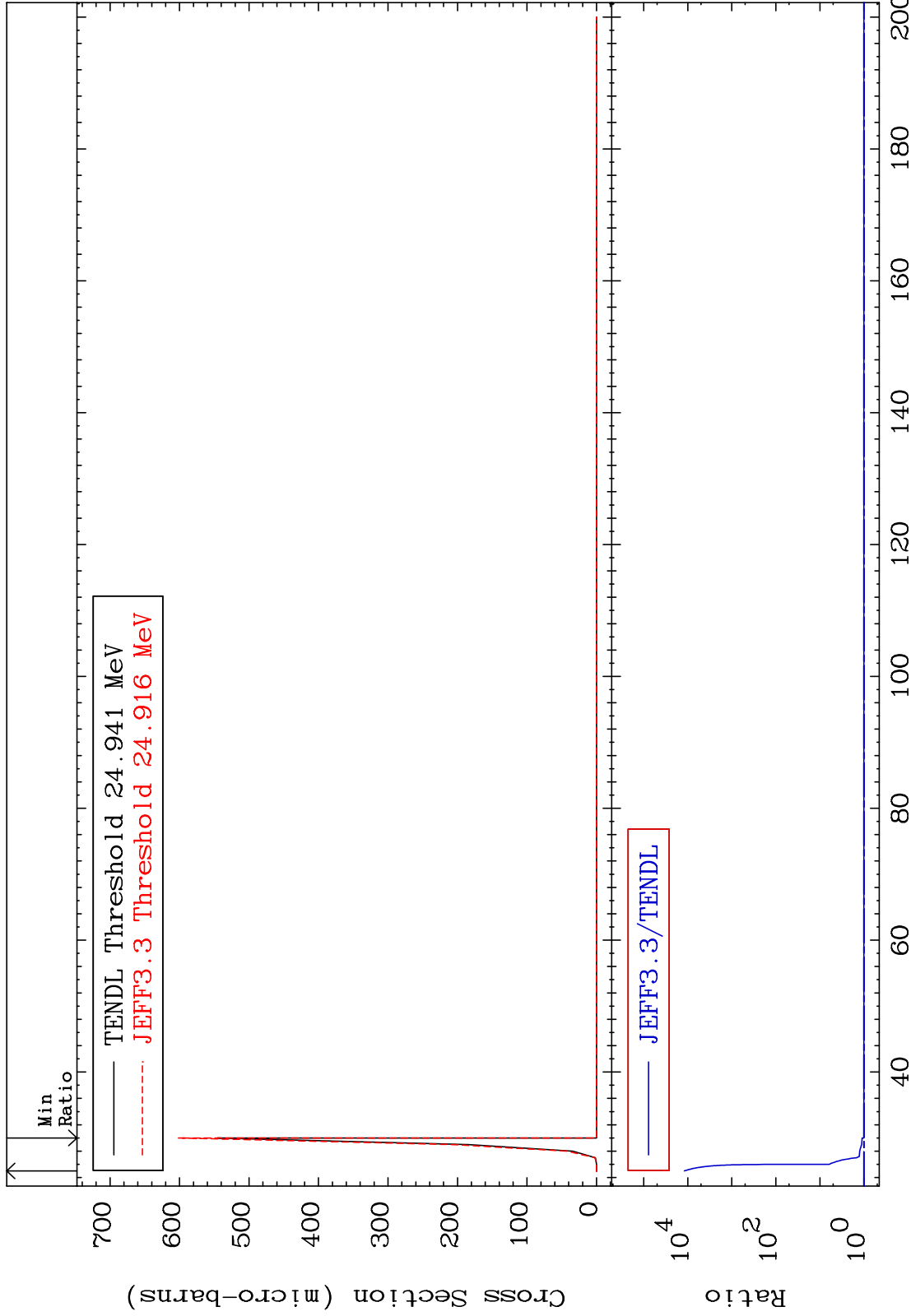
MAT 1525

(n,2n) d

15-P -31

Cross Section

0.000 To 9999. %



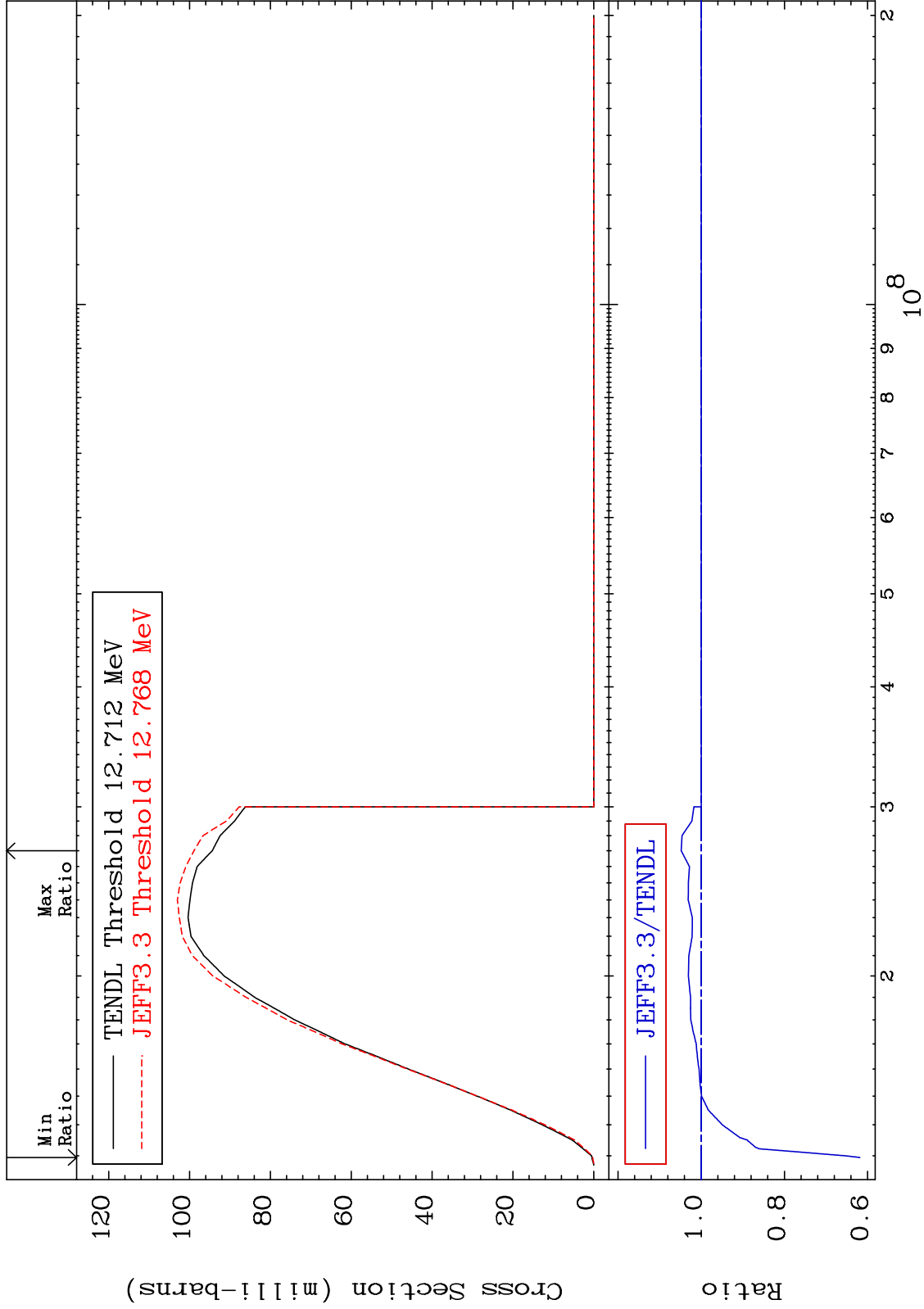
MAT 1525

(n,2n)

15-P -31

Cross Section

-38.15 To 4.796 %



5

15-P -31

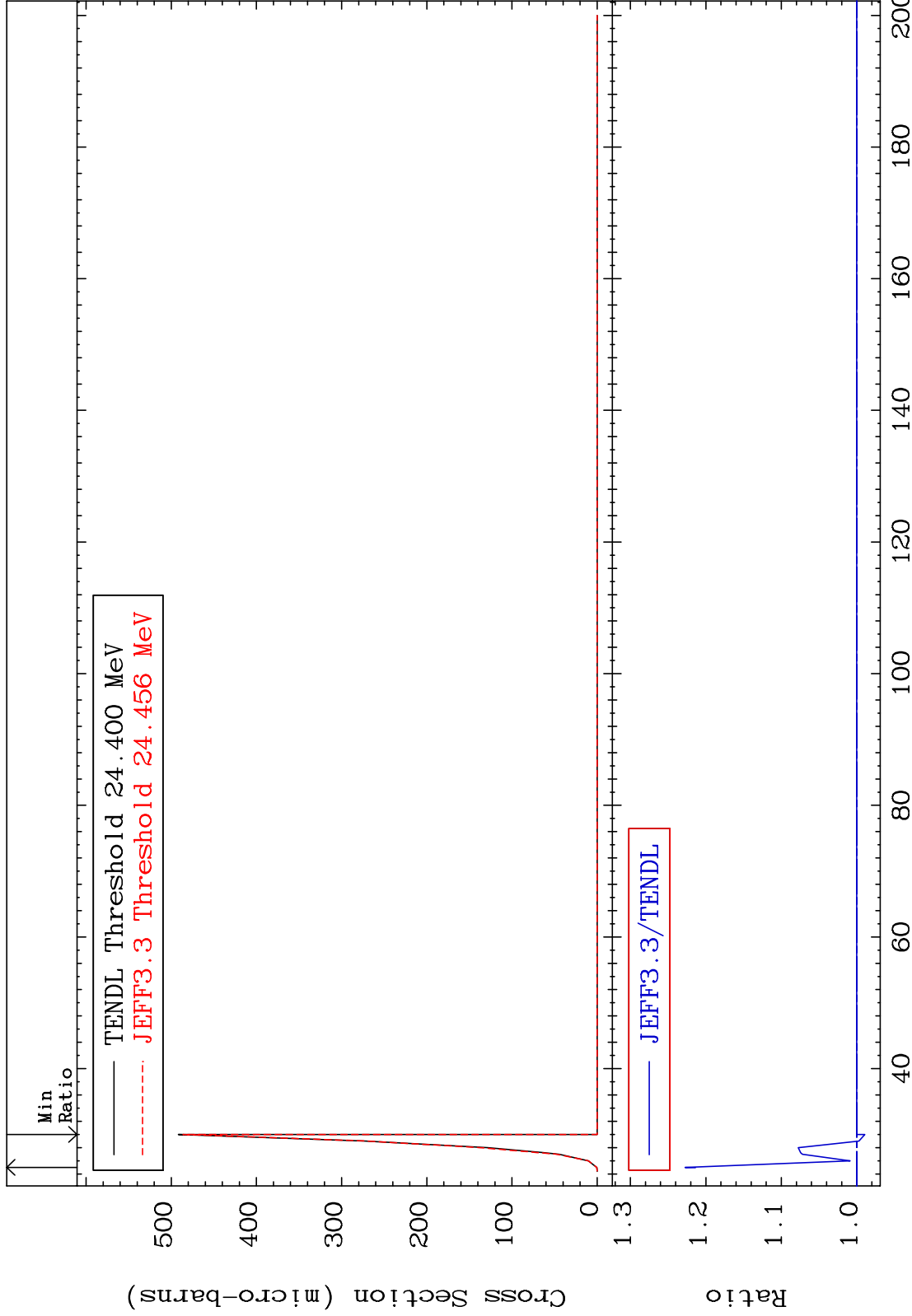
MAT 1525

(n,3n)

15-P -31

Cross Section

-1.074 To 22.74 %



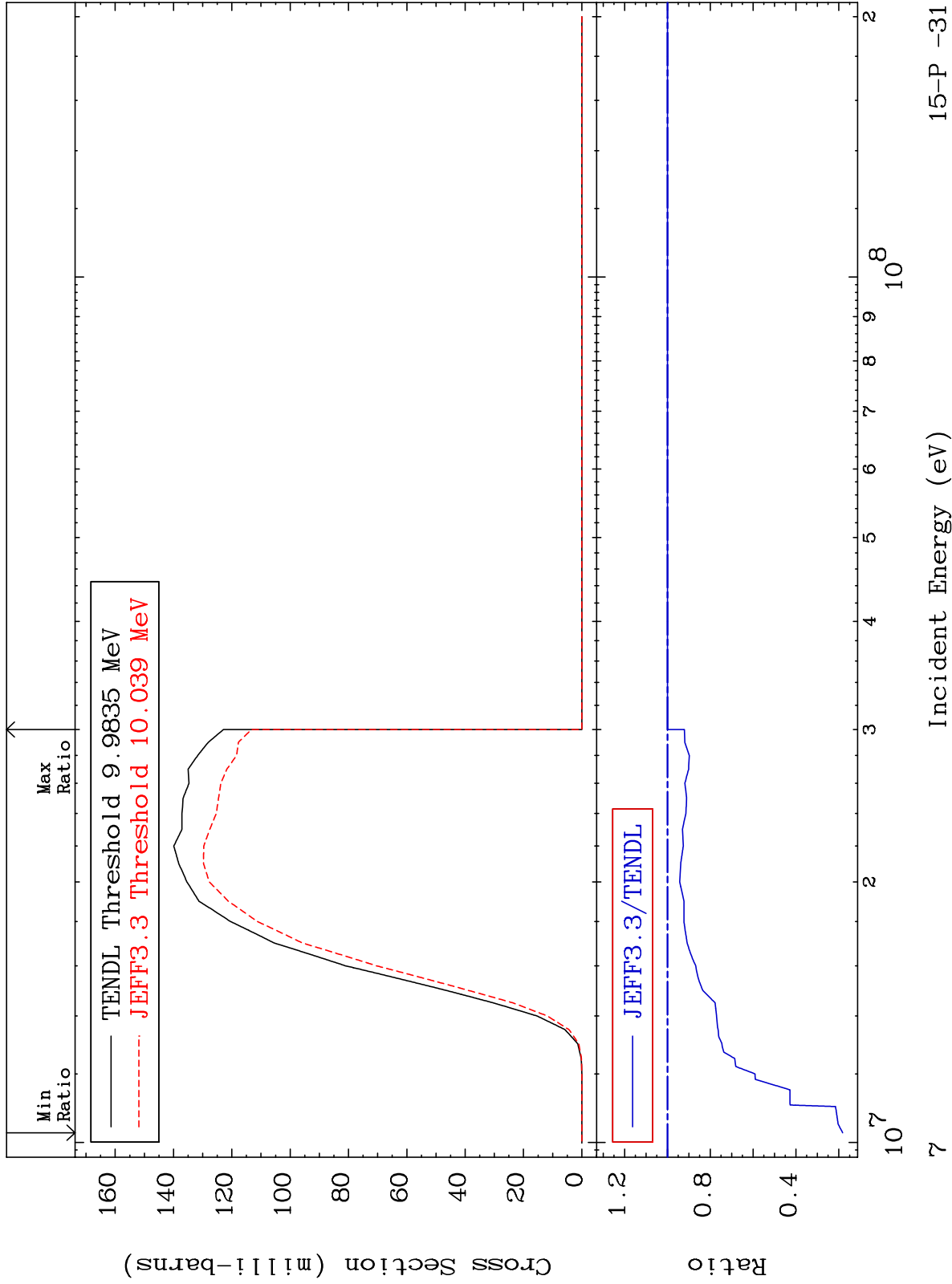
MAT 1525

(n,n') α

15-P -31

-81.77 To 0.000 %

Cross Section



15-P -31

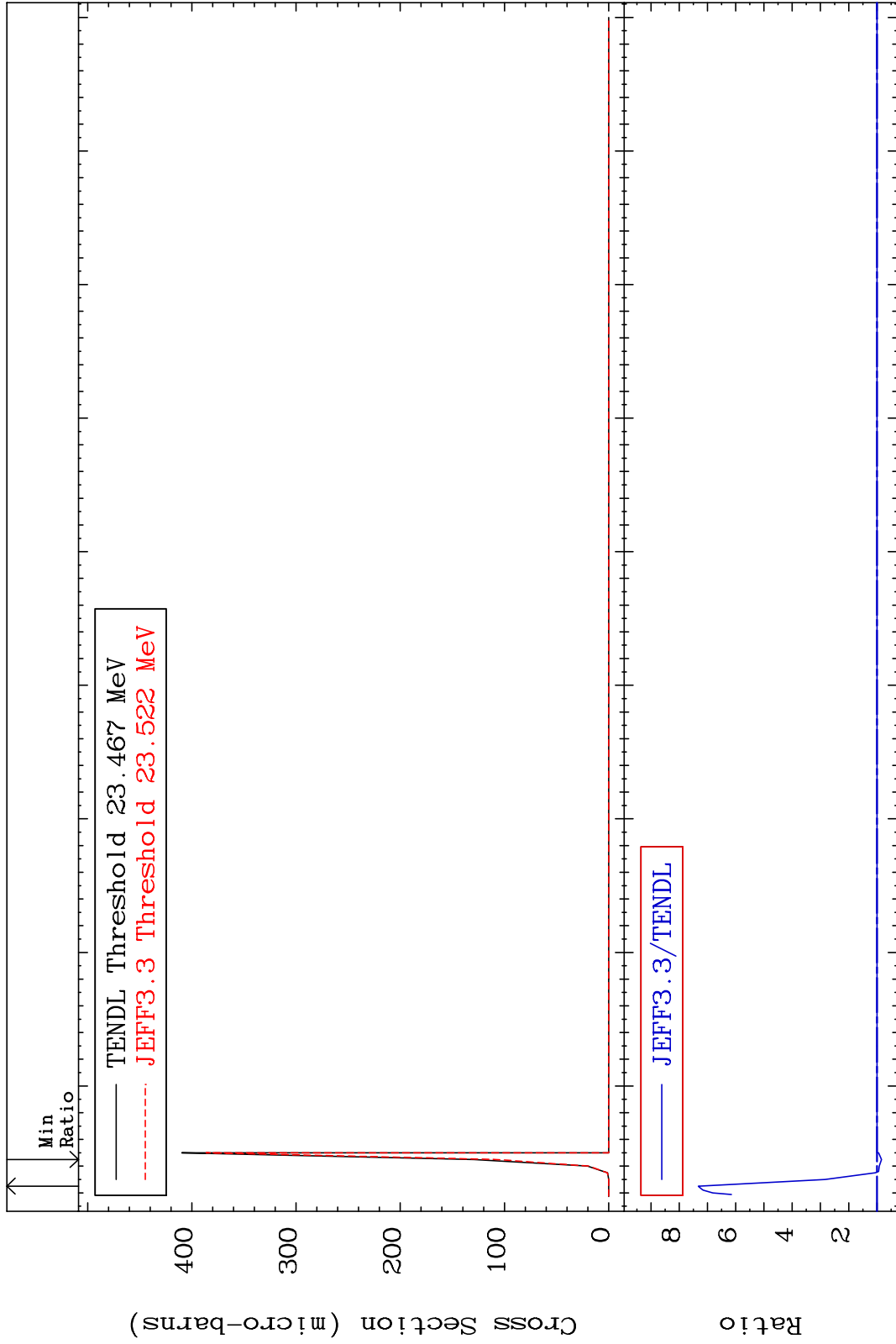
MAT 1525

(n,2n) α

15-P -31

Cross Section

-16.23 To 632.2 %



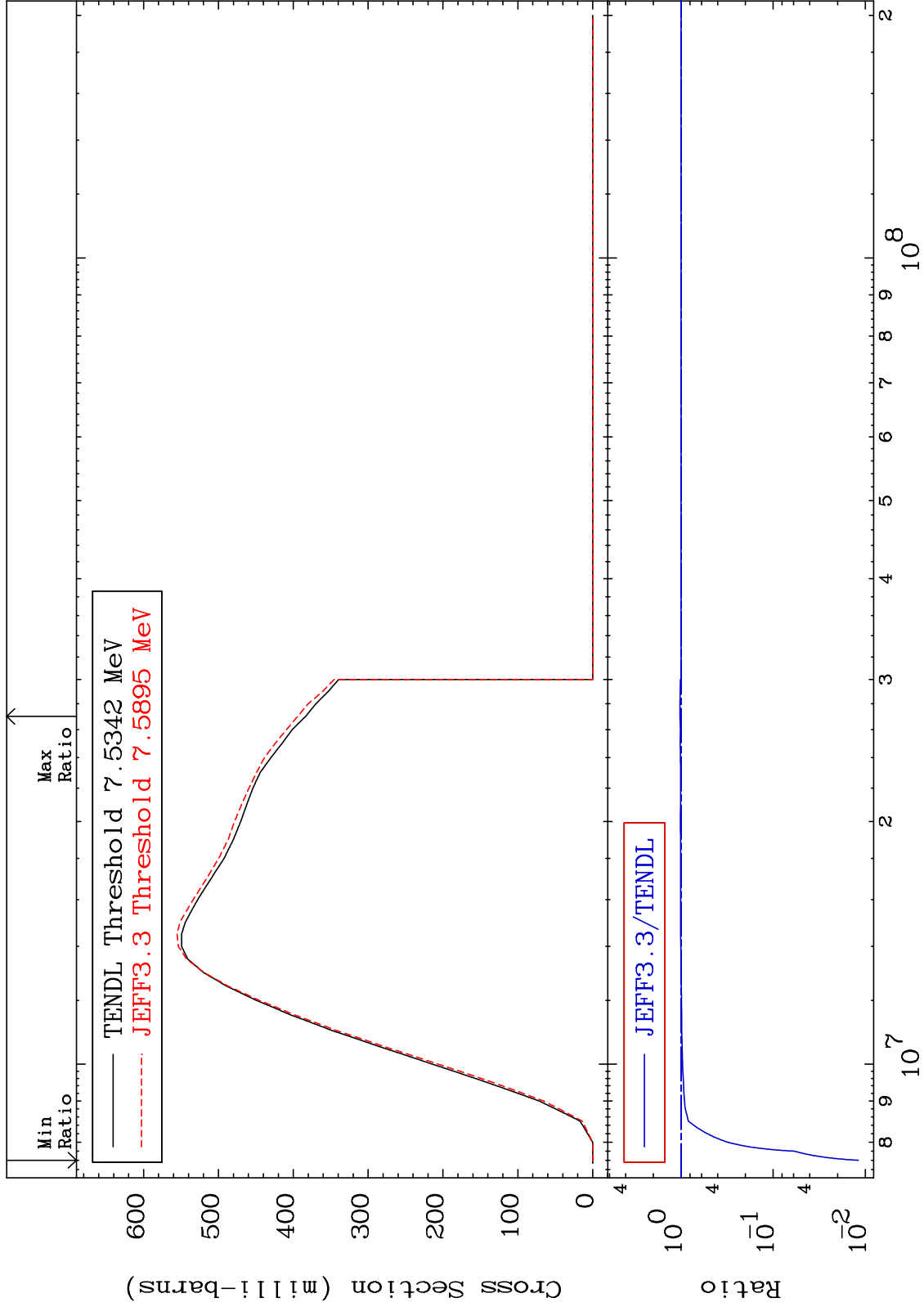
MAT 1525

(n,n') p

15-P -31

Cross Section

-98.81 To 2.763 %



9

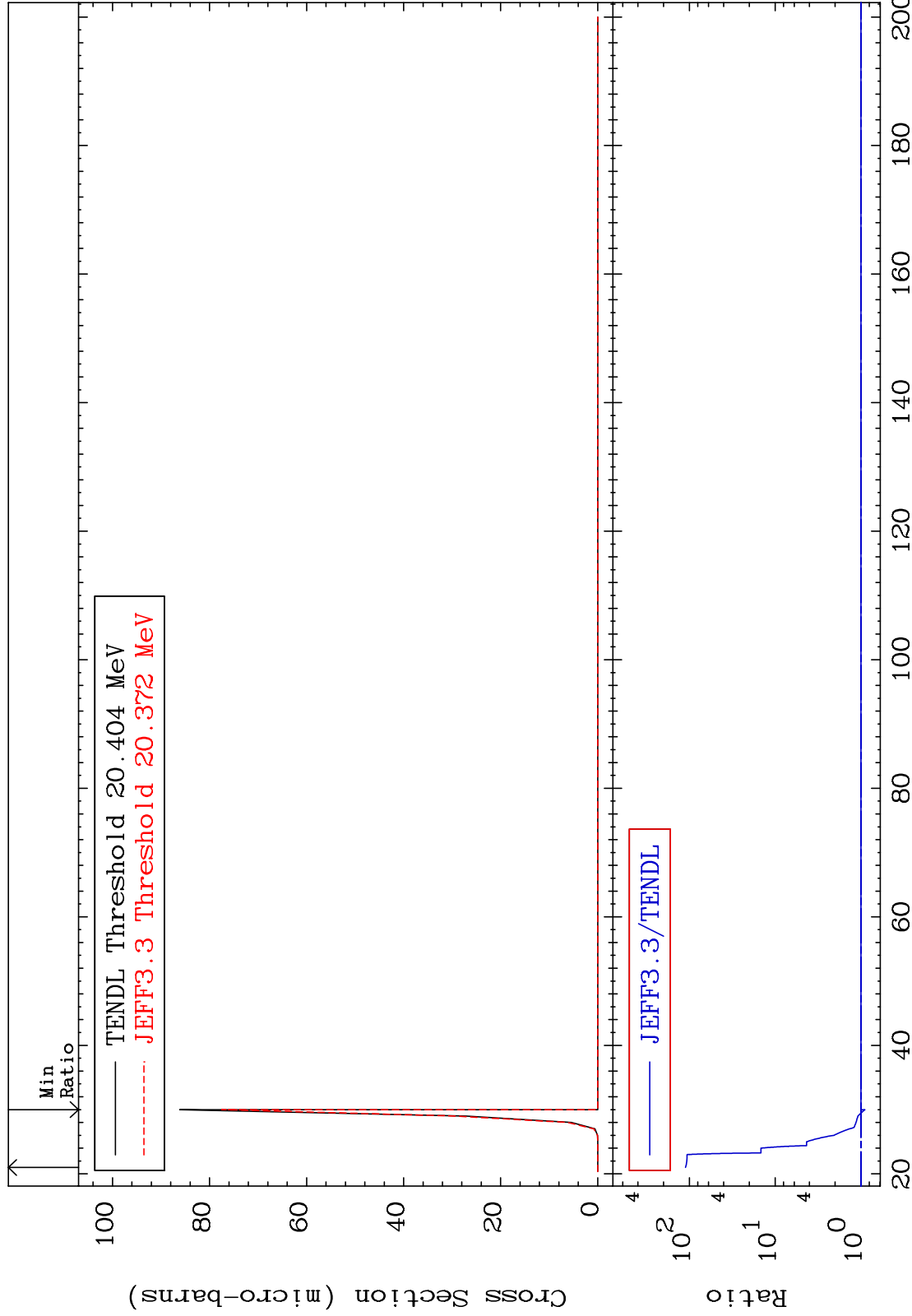
Incident Energy (eV)

15-P -31

MAT 1525

(n,n') 2α
Cross Section

15-P -31
-10.09 To 9999. %



15-P -31

Incident Energy (MeV)

10

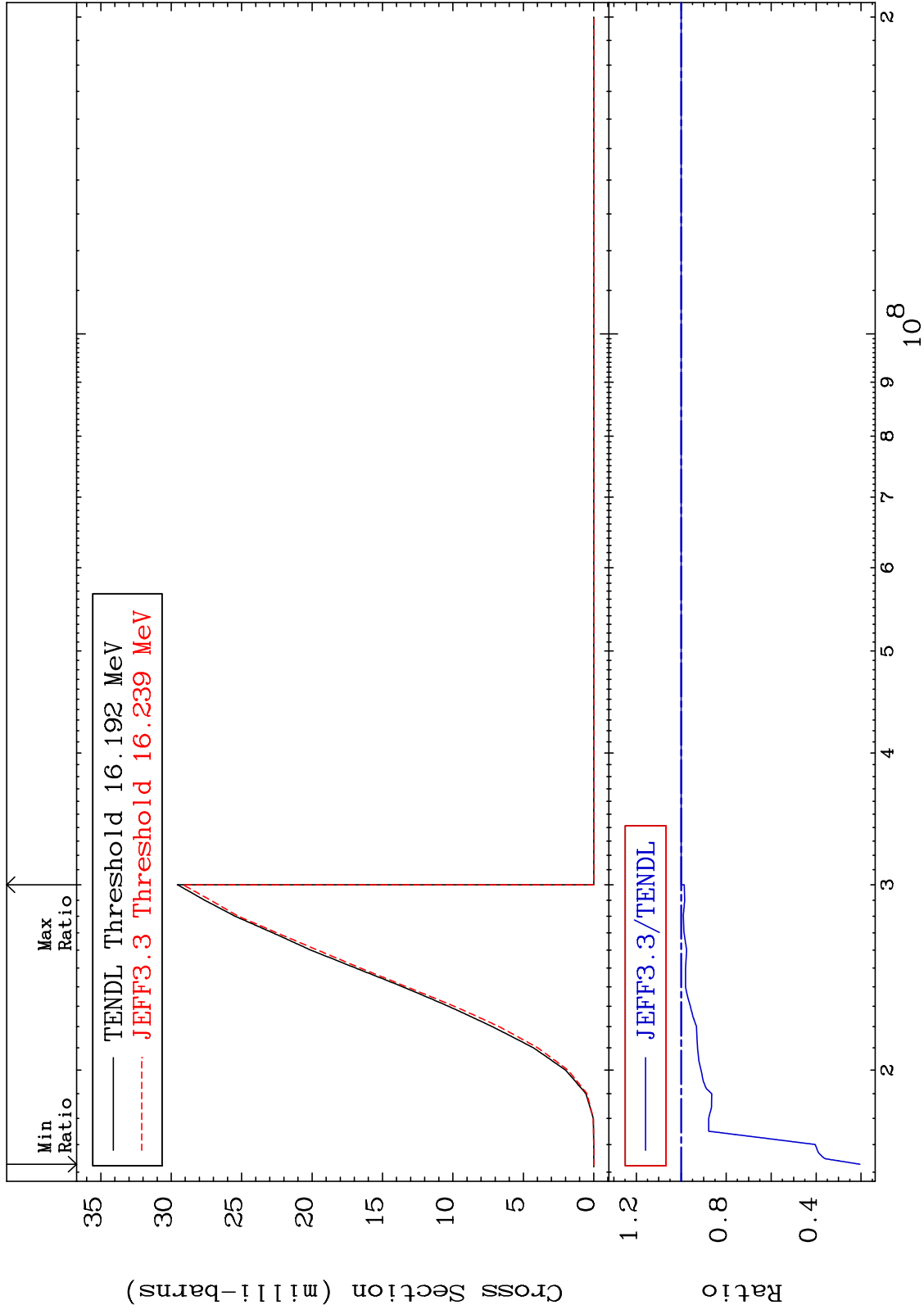
MAT 1525

(n, n') d

15-P -31

Cross Section

-79.51 To 0.000 %



11

Incident Energy (eV)

15-P -31

MAT 1525

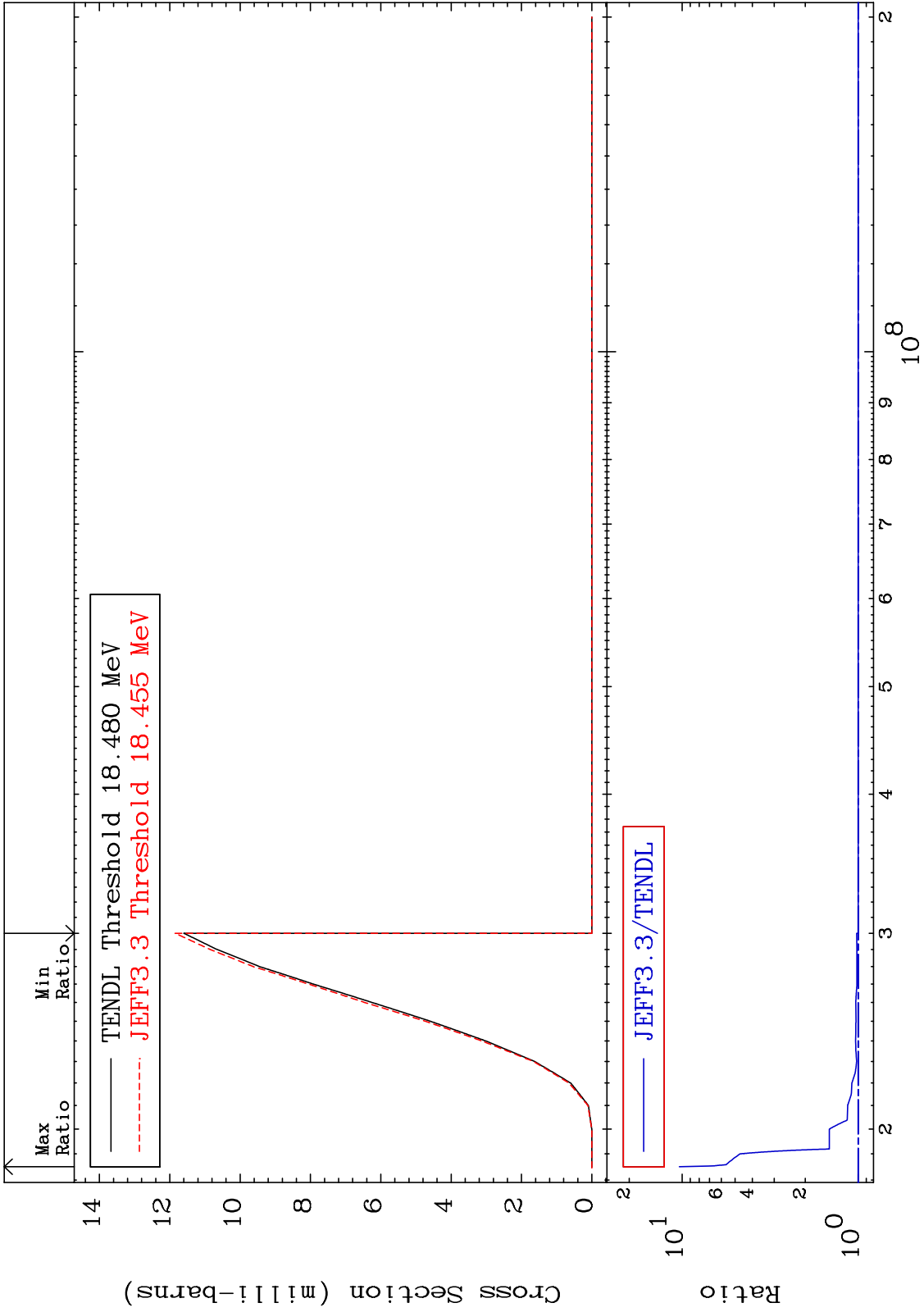
(n,n') t

15-P -31

Cross Section

0.000

To 937.3 %



12

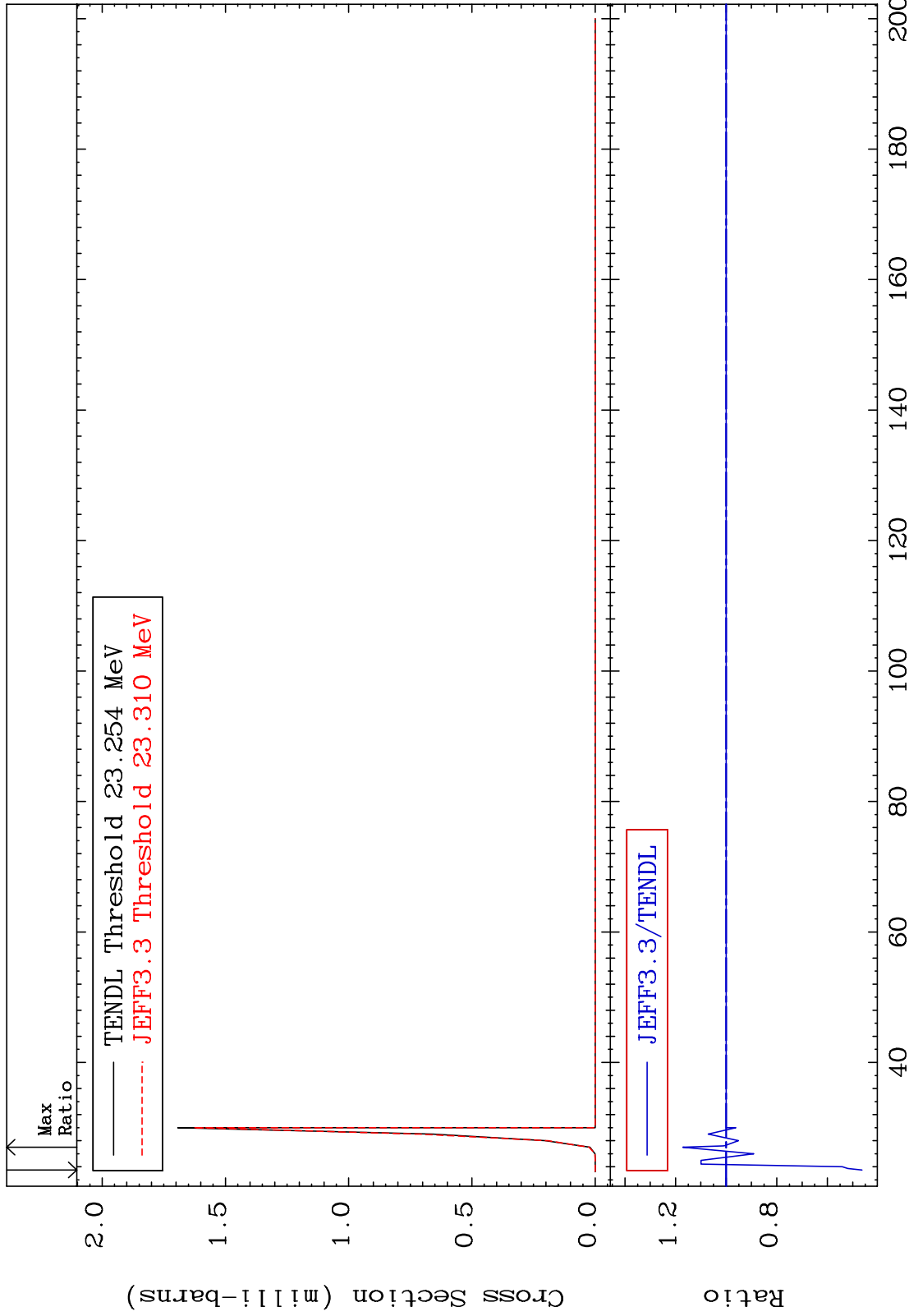
Incident Energy (eV)

15-P -31

MAT 1525

(n,n') He-3
Cross Section

15-P -31
-53.68 To 17.10 %



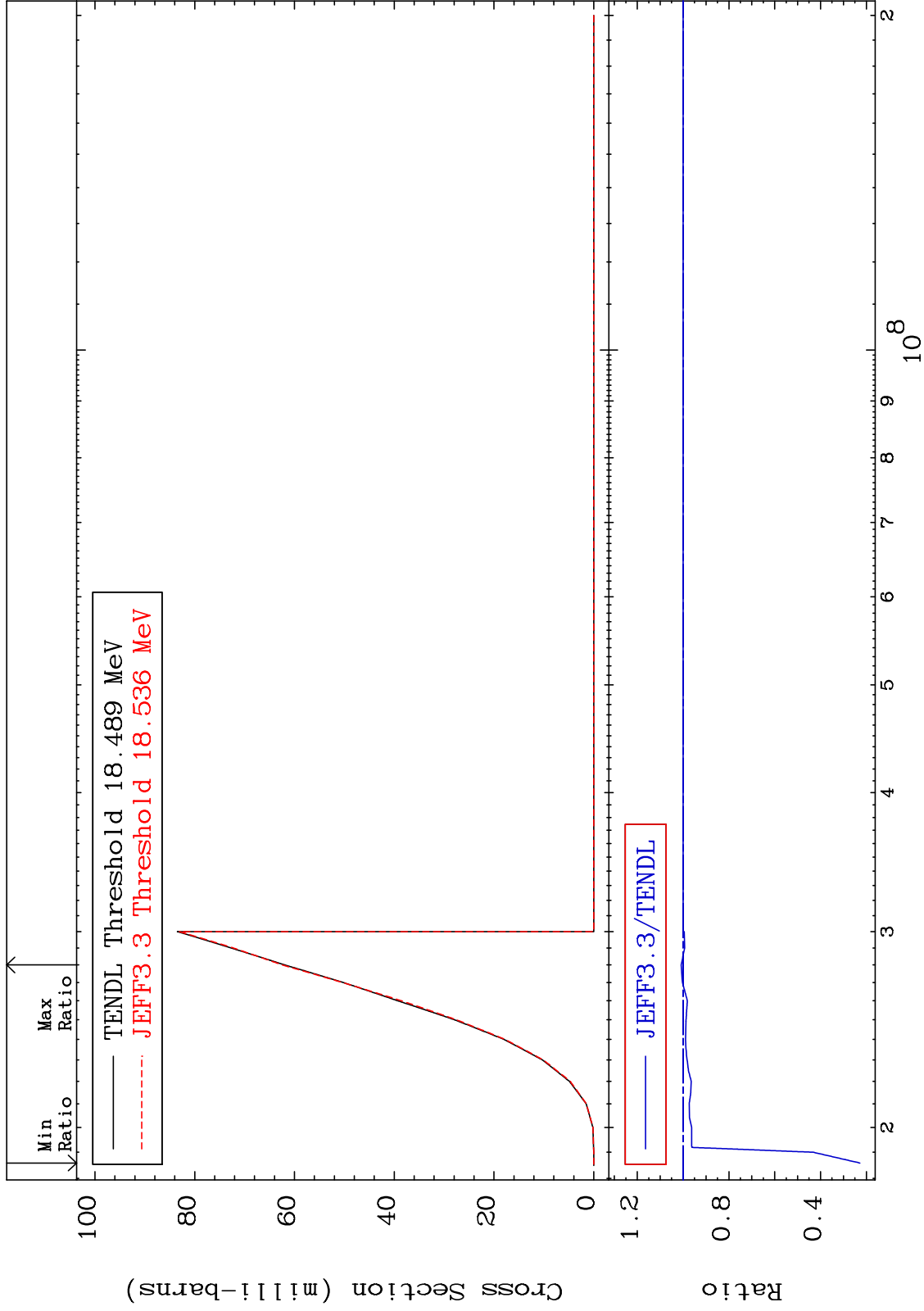
MAT 1525

(n,2n) p

15-P -31

Cross Section

-77.20 To 0.820 %



14

Incident Energy (eV)

15-P -31

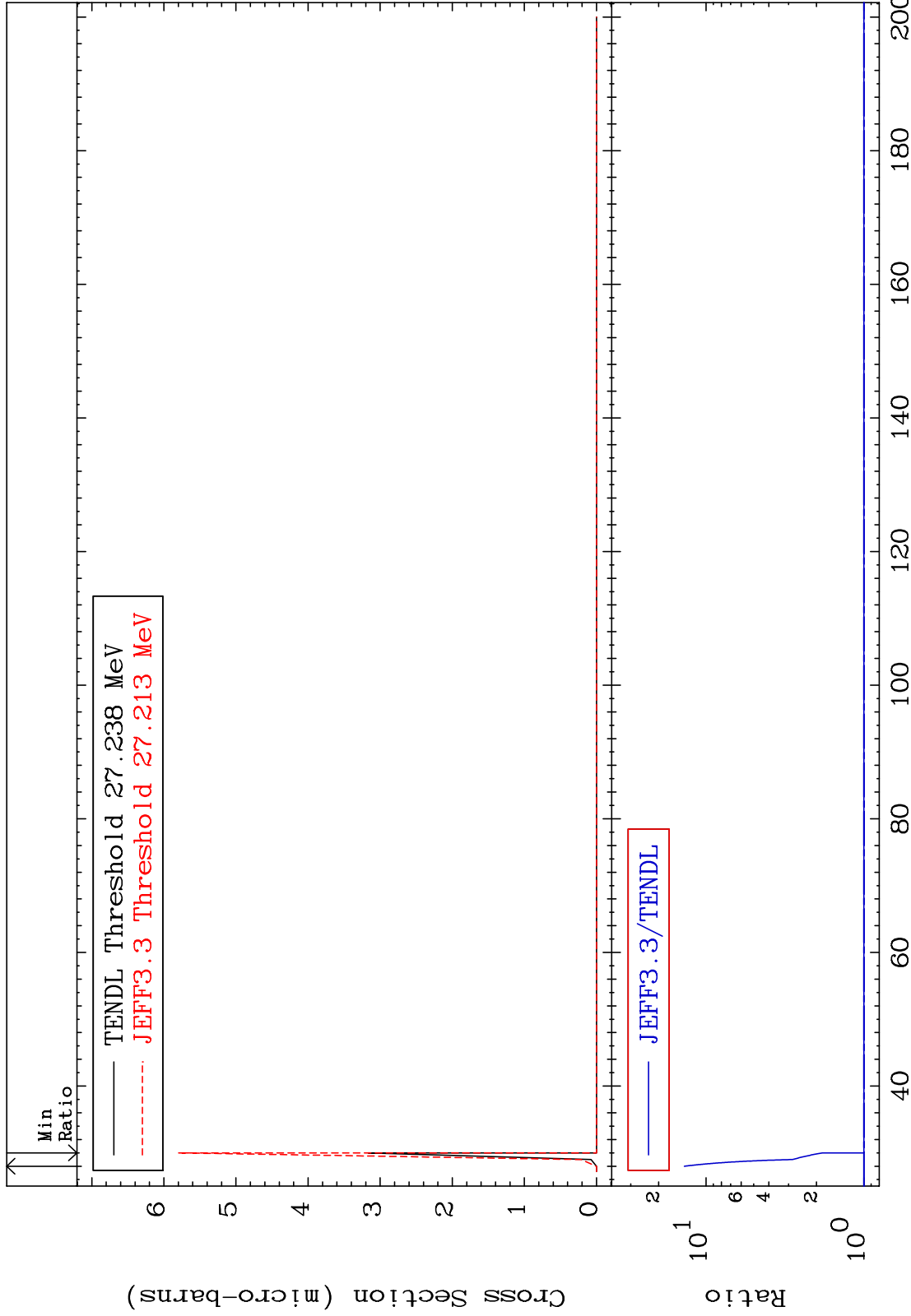
MAT 1525

(n,3n) p

15-P -31

Cross Section

0.000 To 1272. %



15

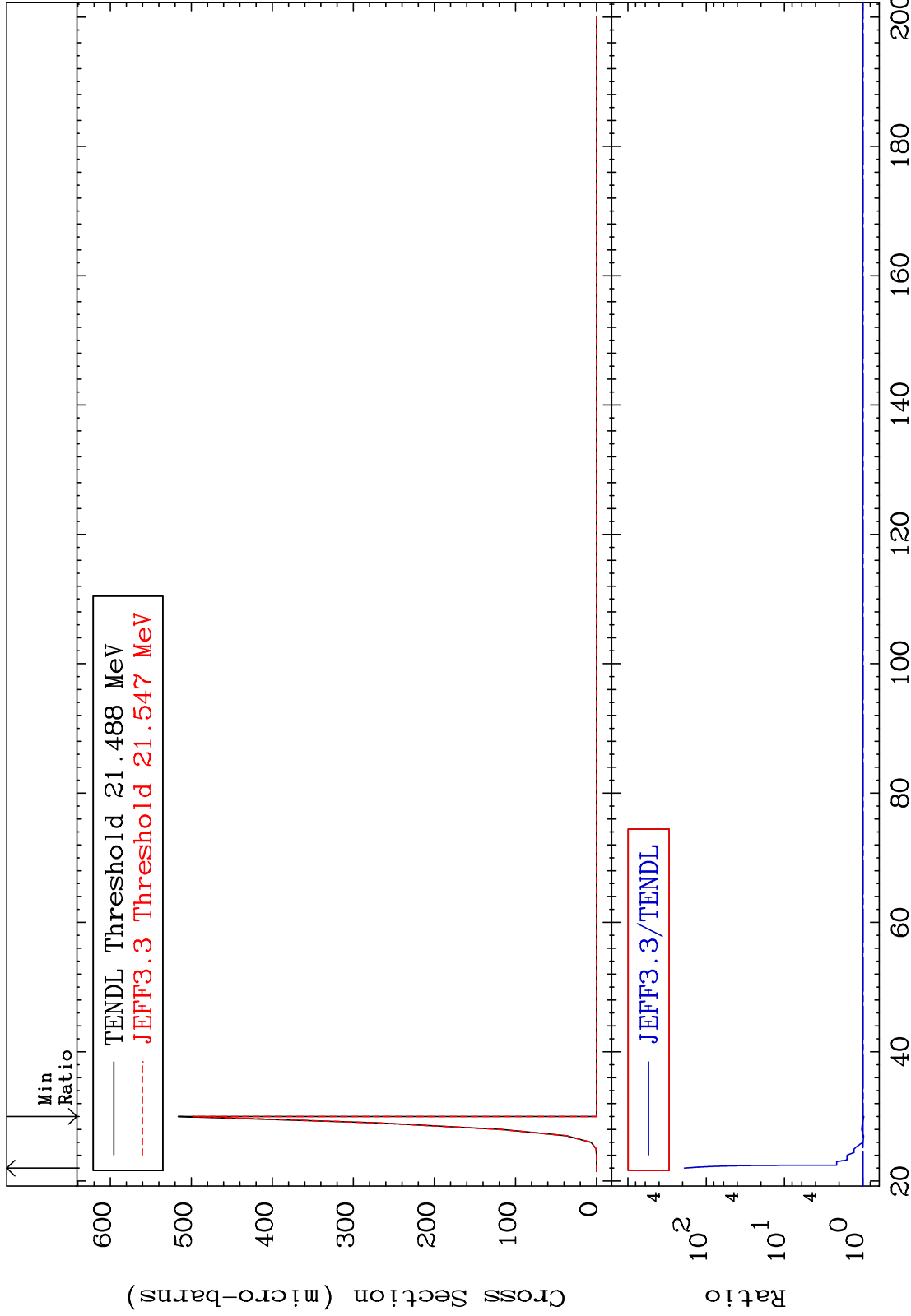
Incident Energy (MeV)

15-P -31

MAT 1525

(n,2n) p
Cross Section

15-P -31
-3.580 To 9999. %



16

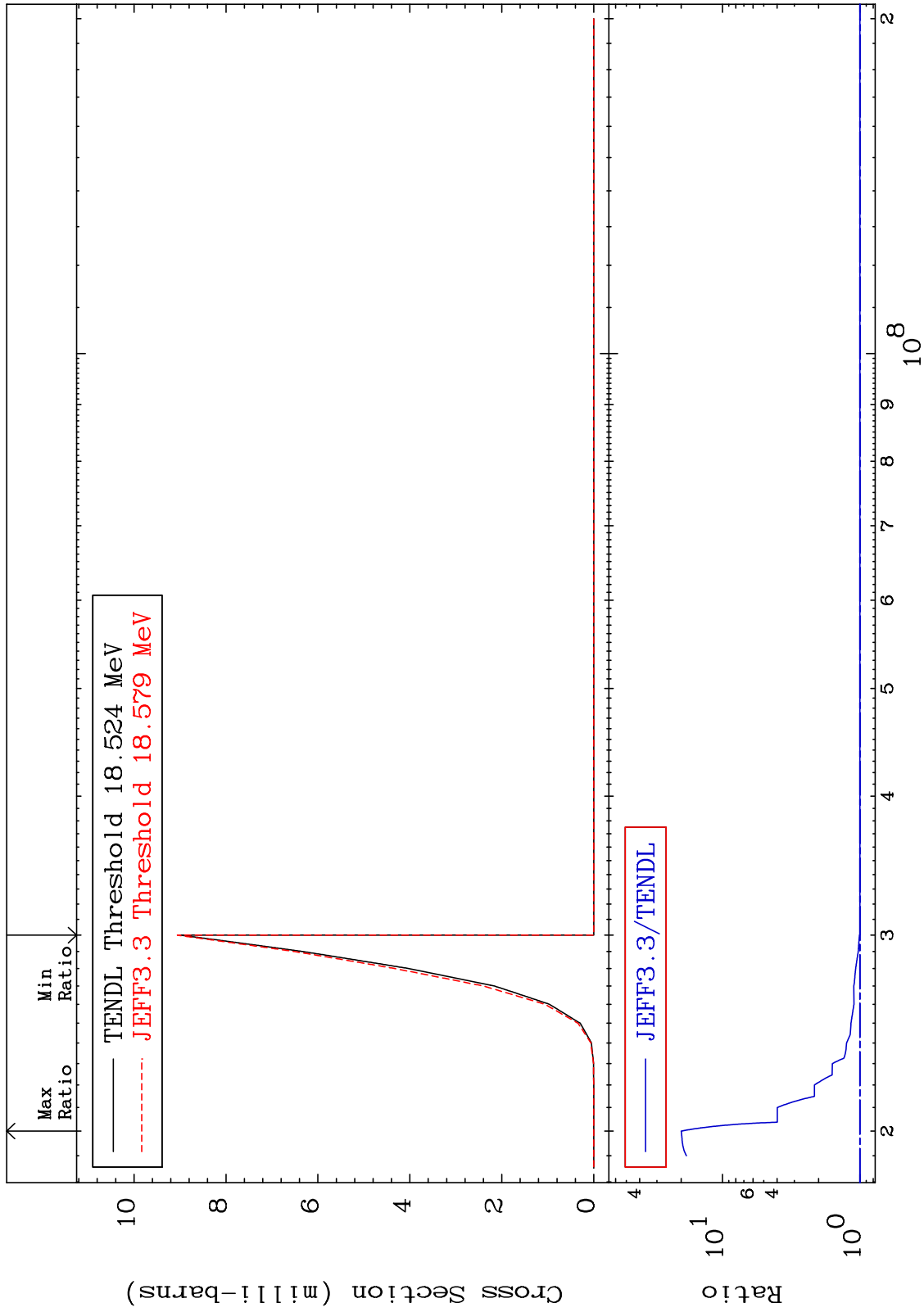
Incident Energy (MeV)

15-P -31

MAT 1525

(n,n') p α
Cross Section

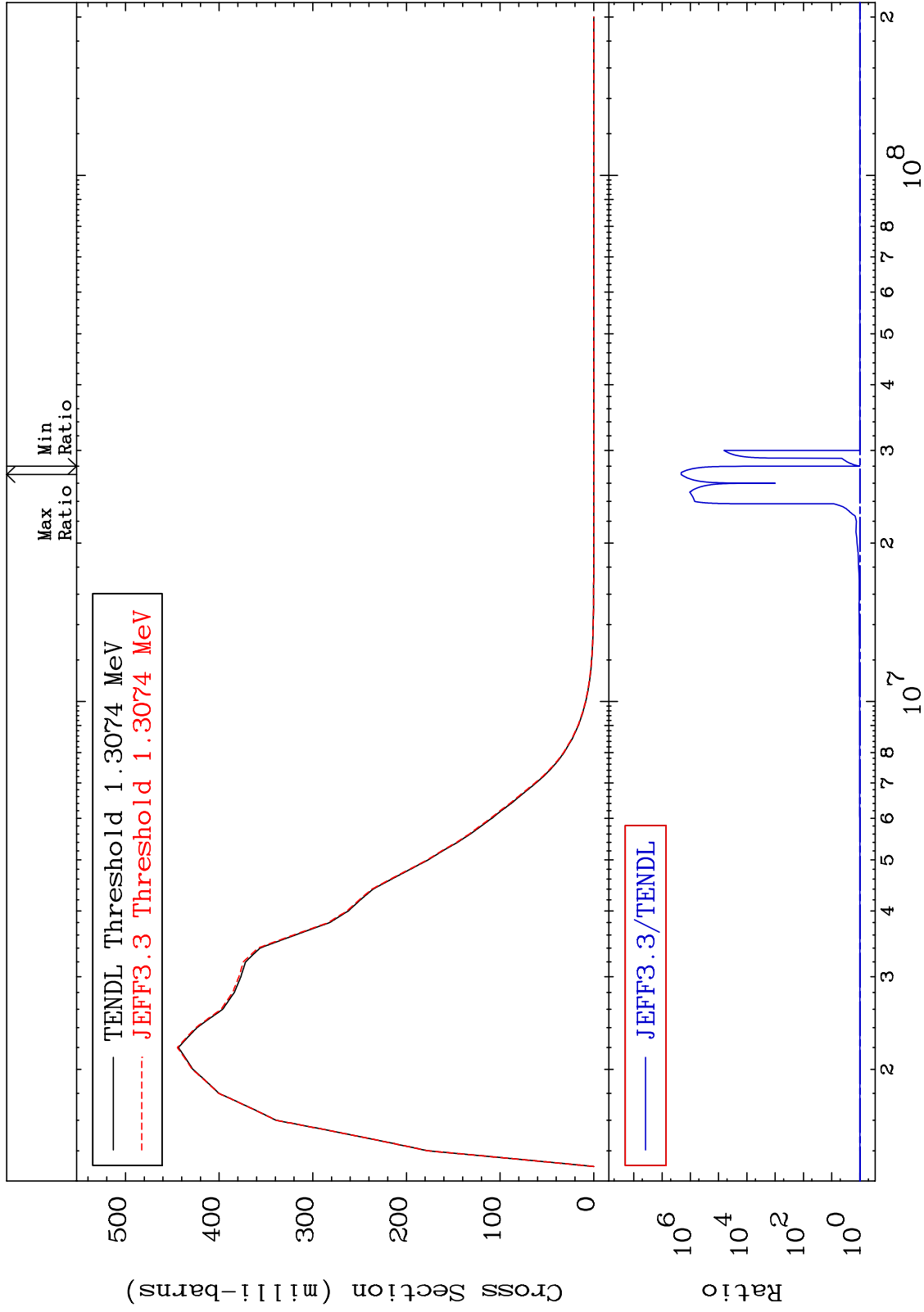
15-P -31
0.000 To 1896. %



MAT 1525

MT= 51 (n,n') Level
Cross Section

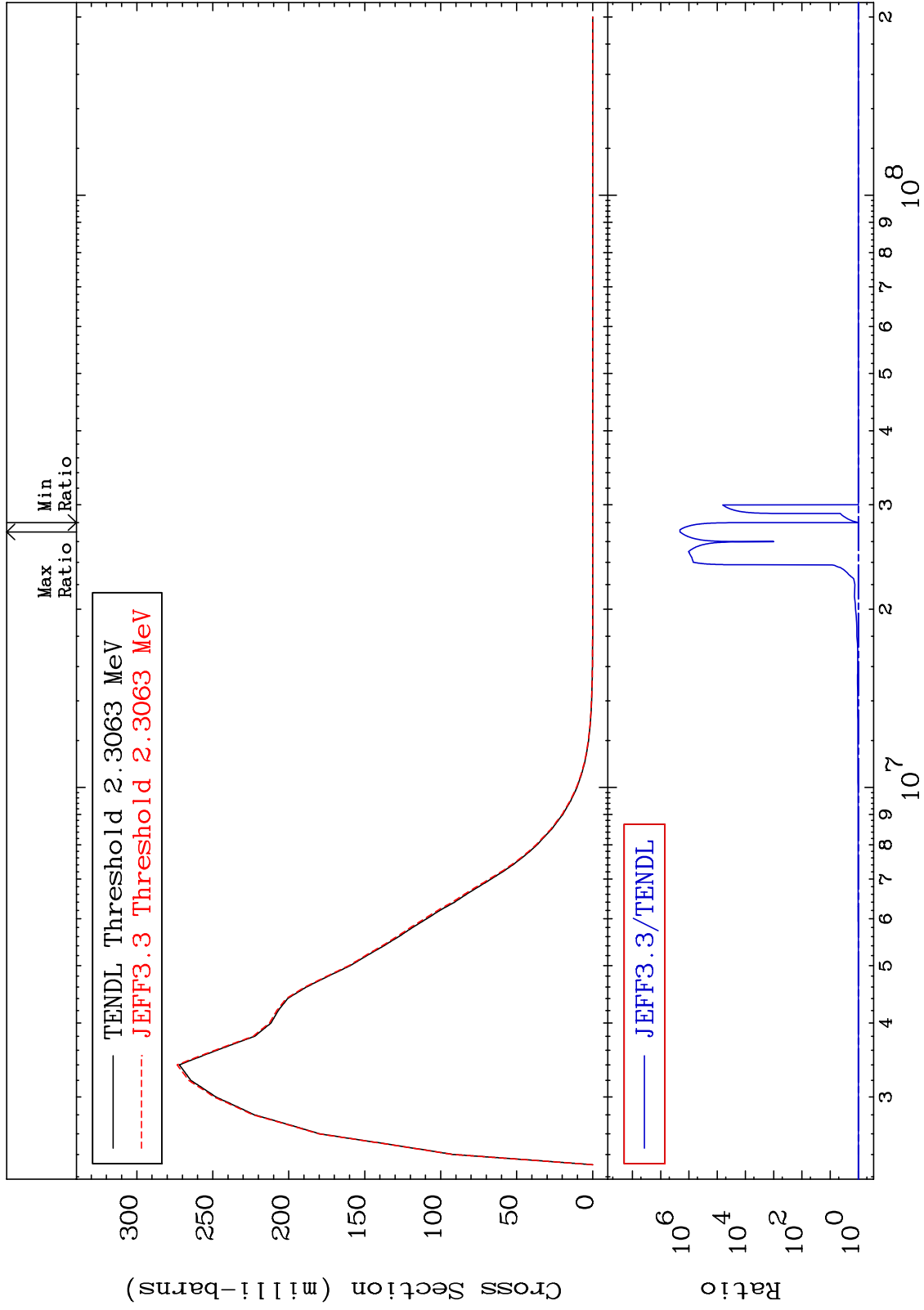
0.000 To 9999. %
15-P -31



MAT 1525

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

0.000 To 9999. %
15-P -31



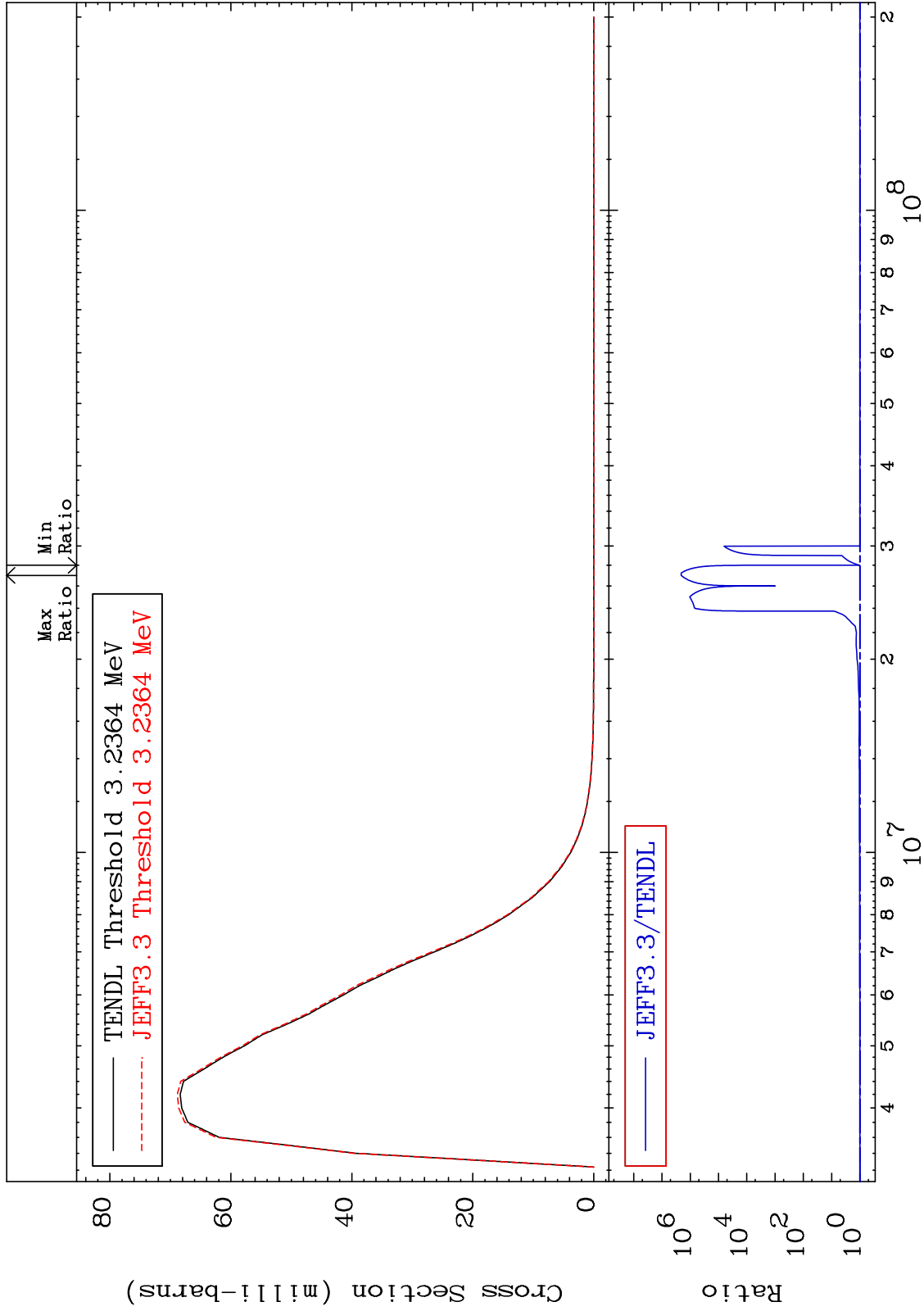
19

15-P -31

MAT 1525

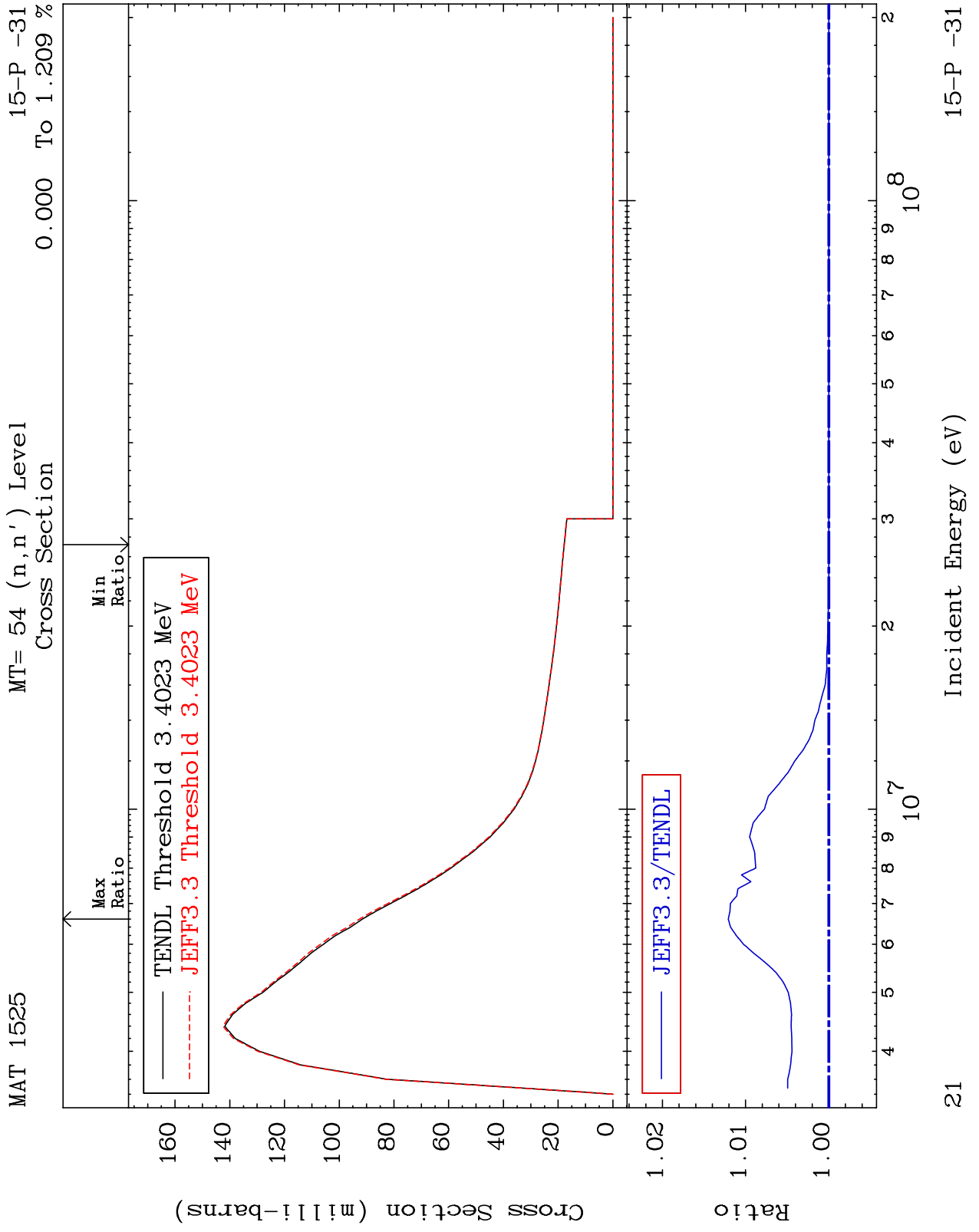
MT= 53 (n,n') Level
Cross Section

0.000 To 9999. %
15-P -31



20

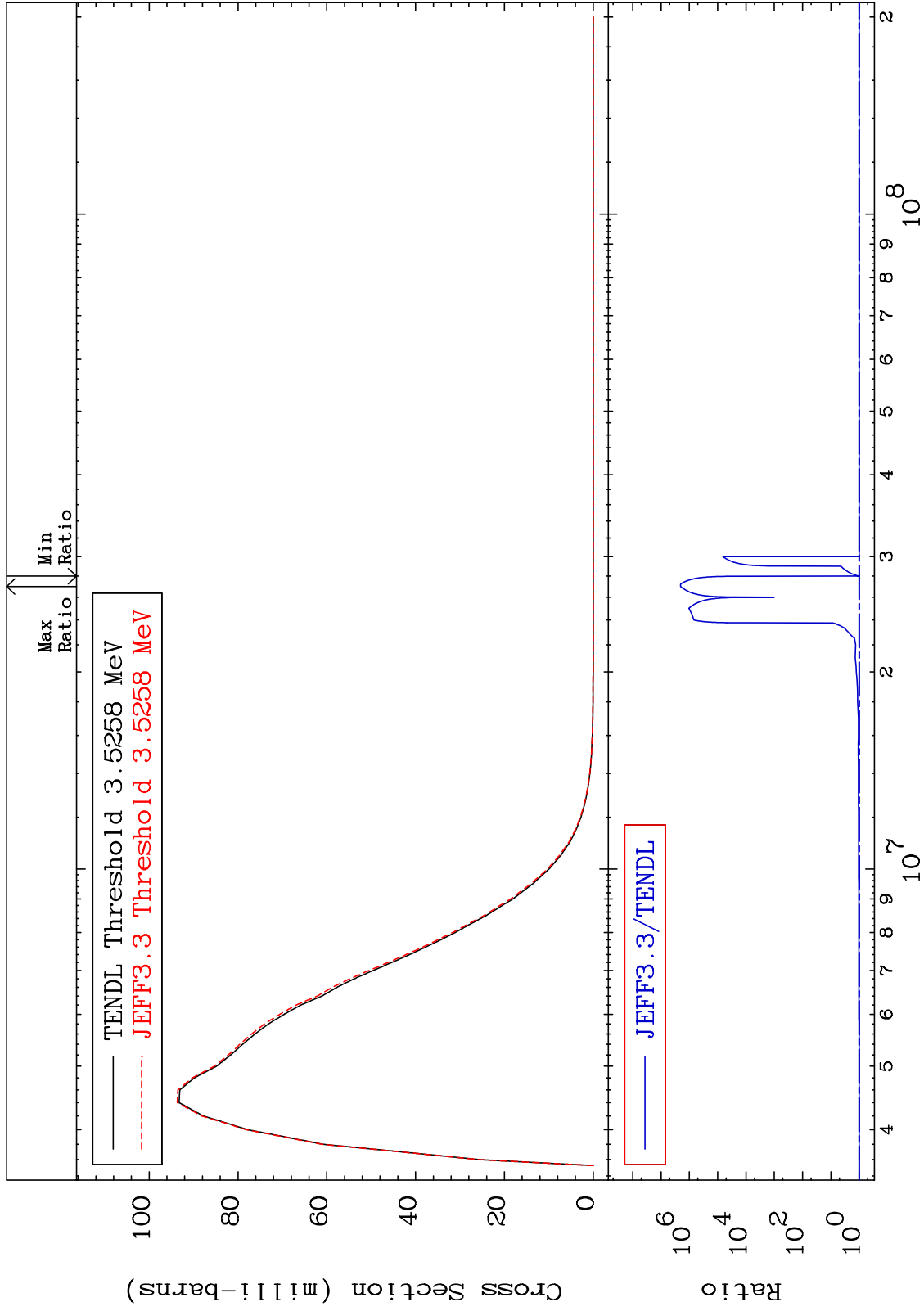
15-P -31



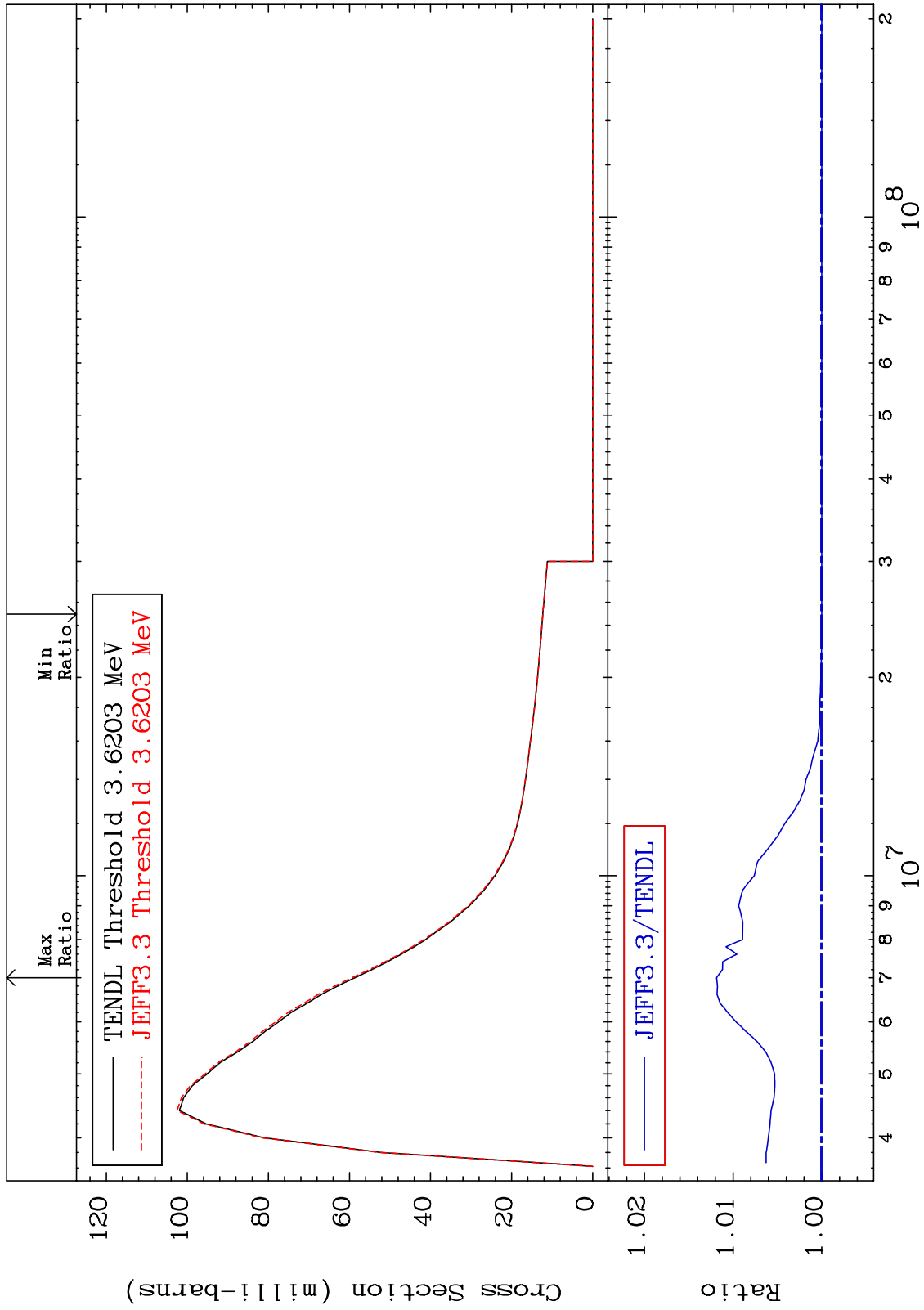
MAT 1525

MT= 55 (n, n') Level
Cross Section

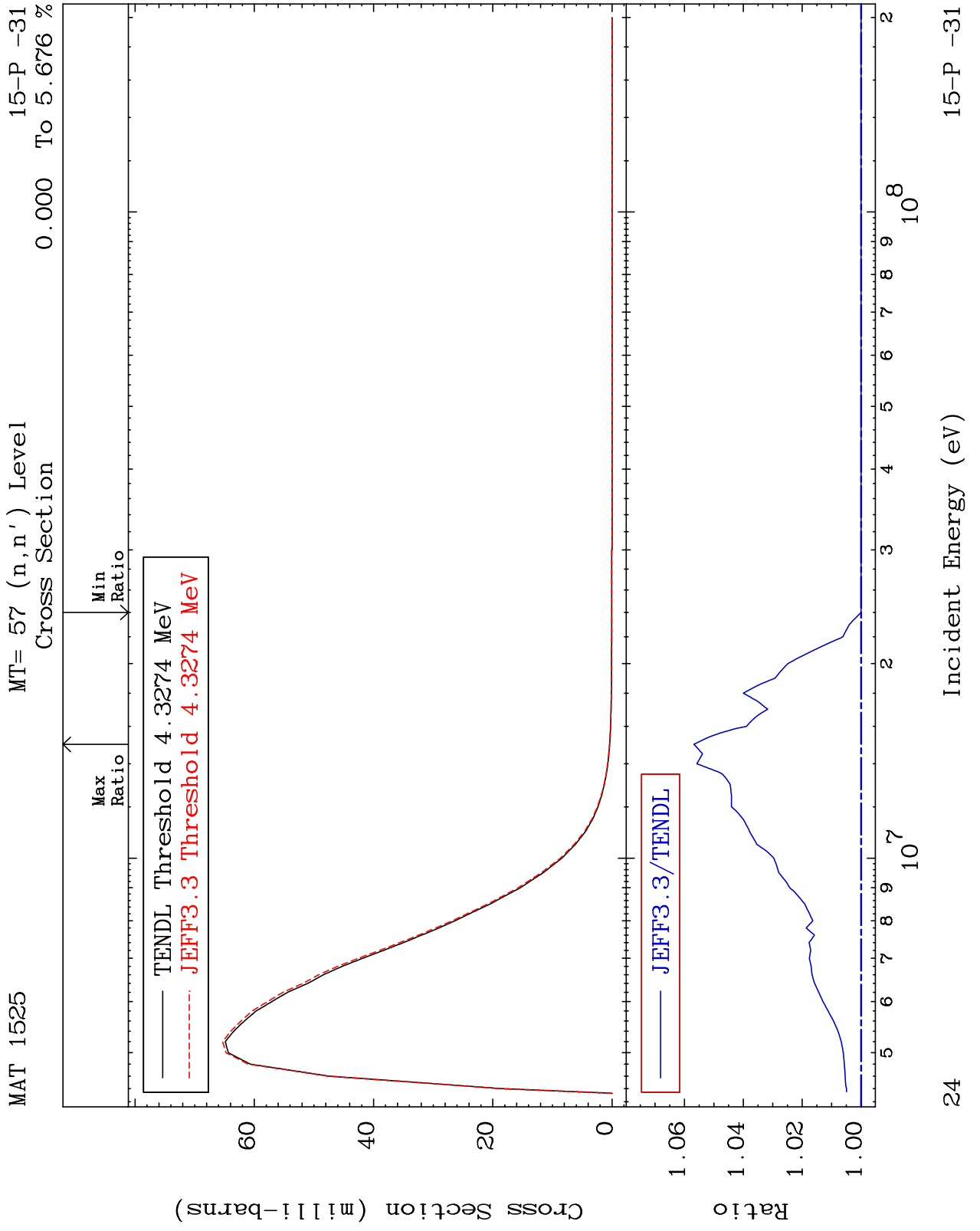
0.000 To 9999. %
15-P -31



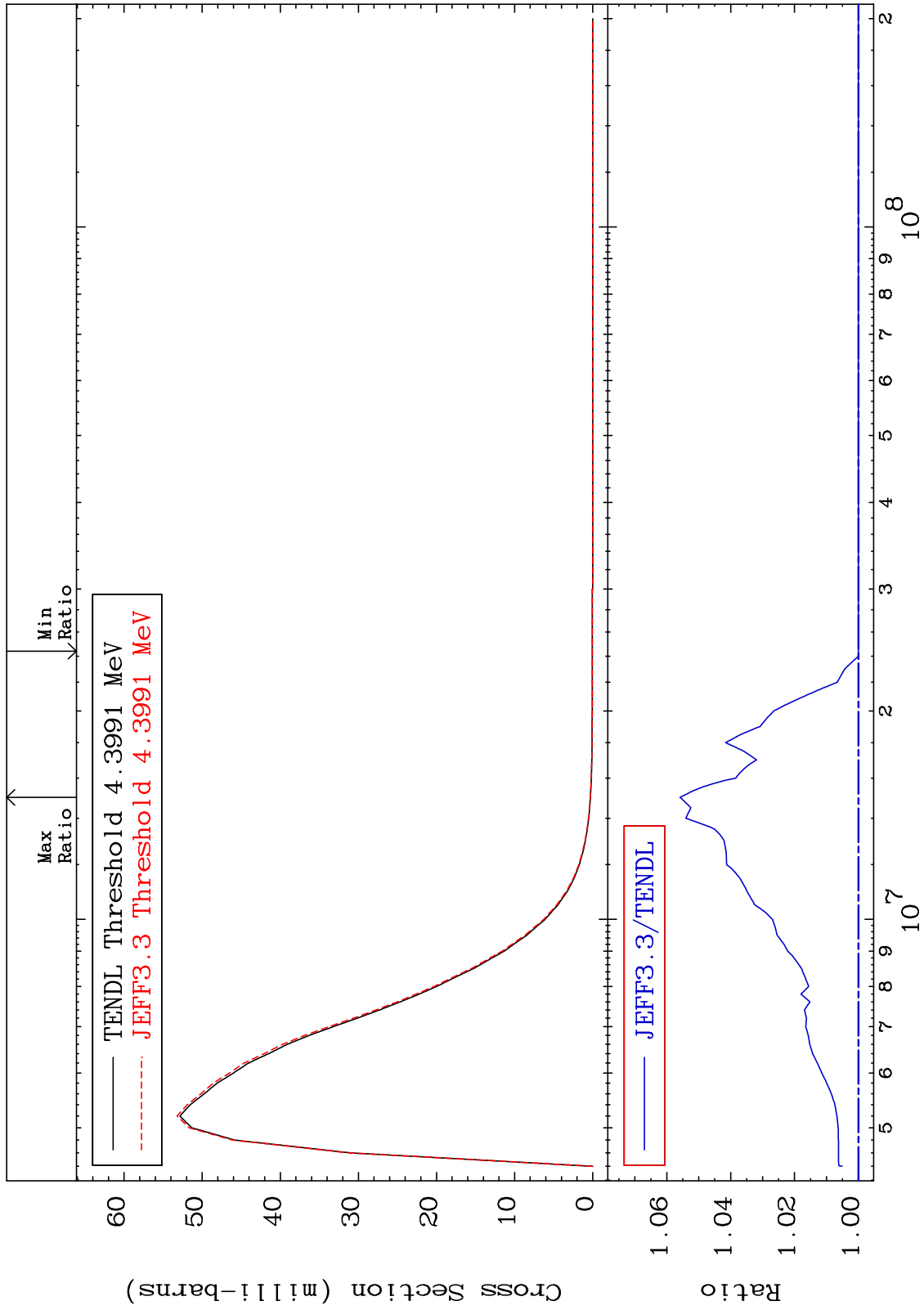
MAT 1525 MT= 56 (n,n') Level Cross Section 15-P -31
 0.000 To 1.186 %



Incident Energy (eV) 15-P -31



MAT 1525 MT= 58 (n,n') Level Cross Section 0.000 To 5.586 % 15-P -31

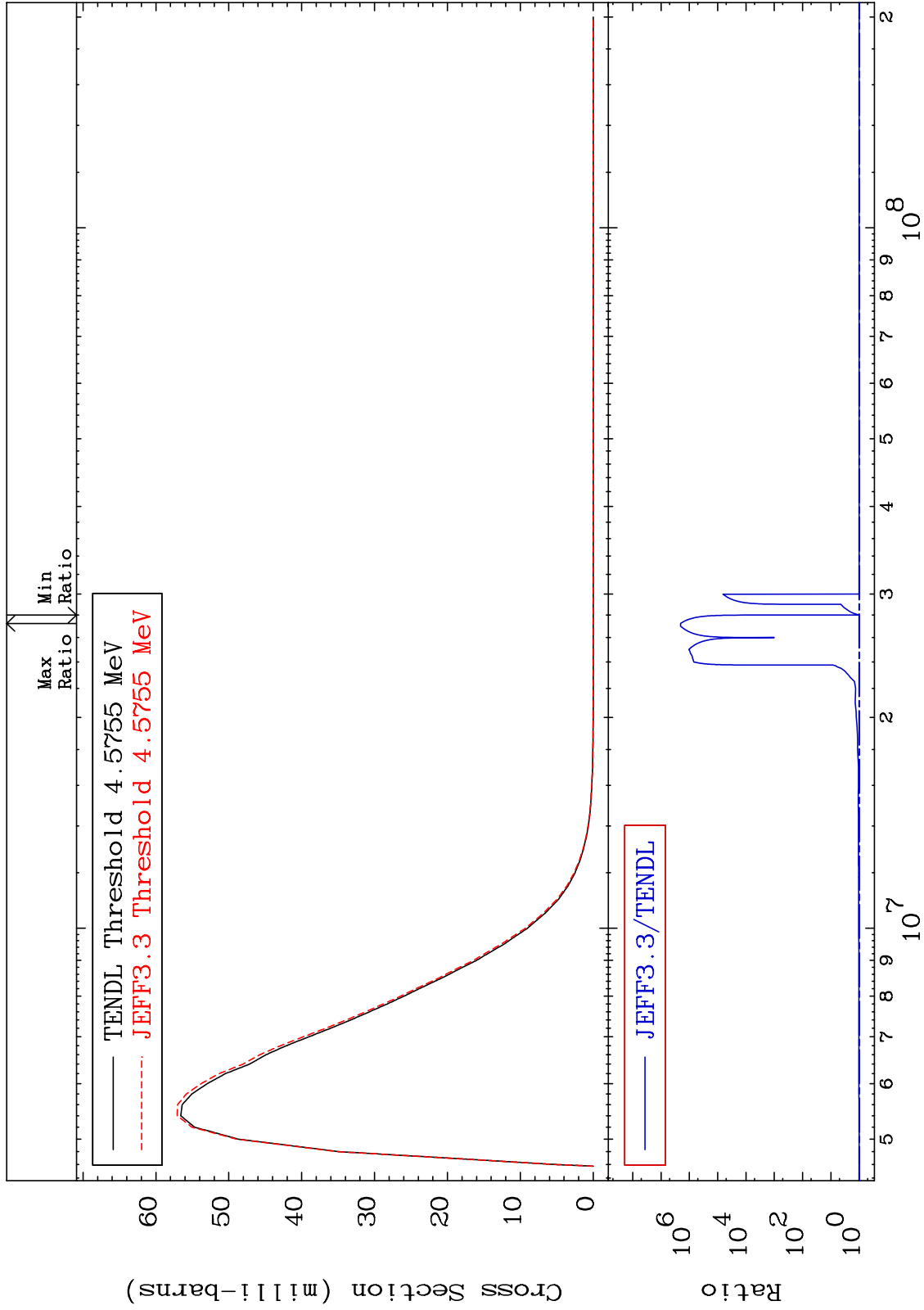


MAT 1525

MT= 59 (n, n') Level

15-P -31

Cross Section 0.000 To 9999. %



26

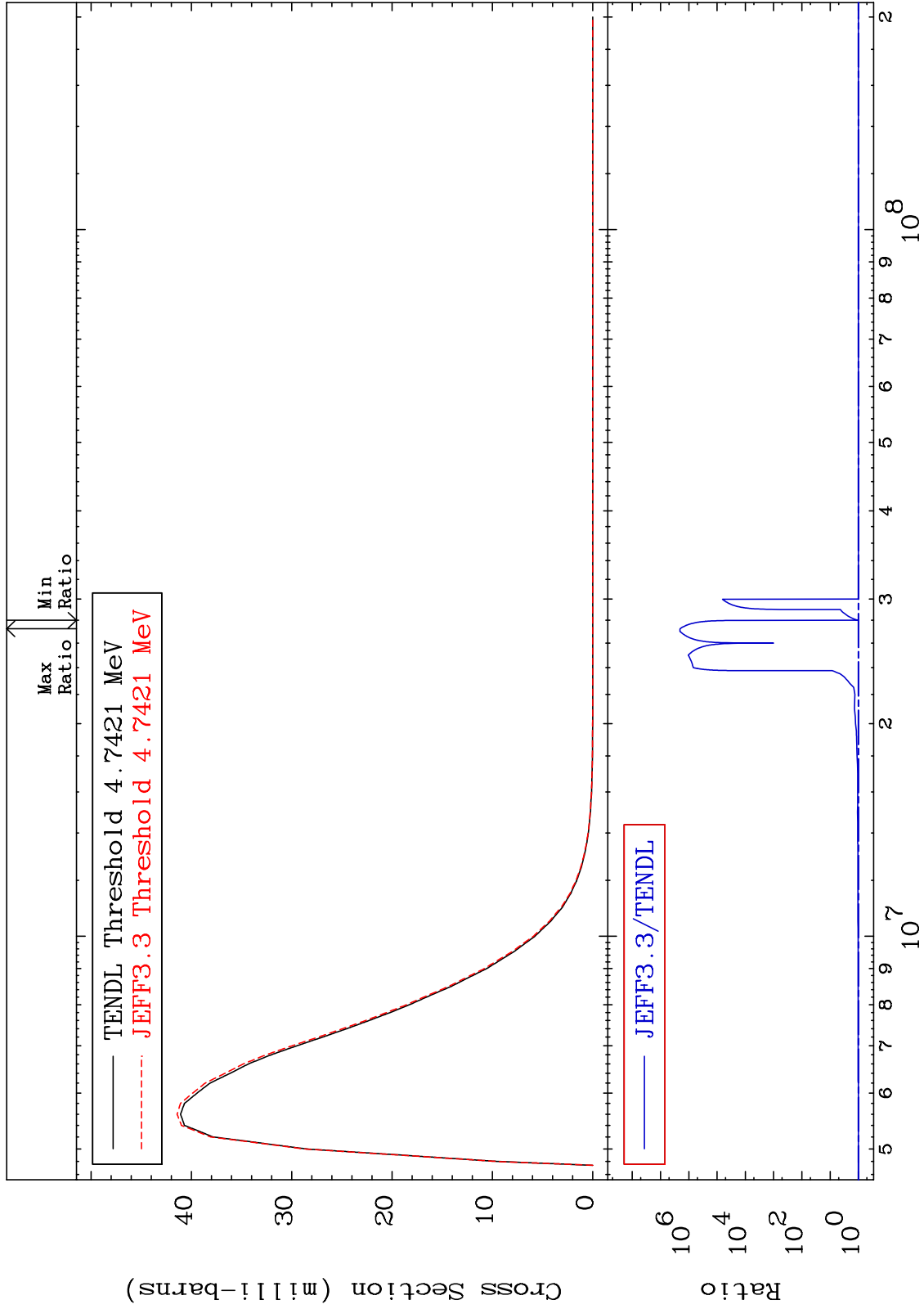
Incident Energy (eV)

15-P -31

MAT 1525

MT= 60 (n,n') Level
Cross Section

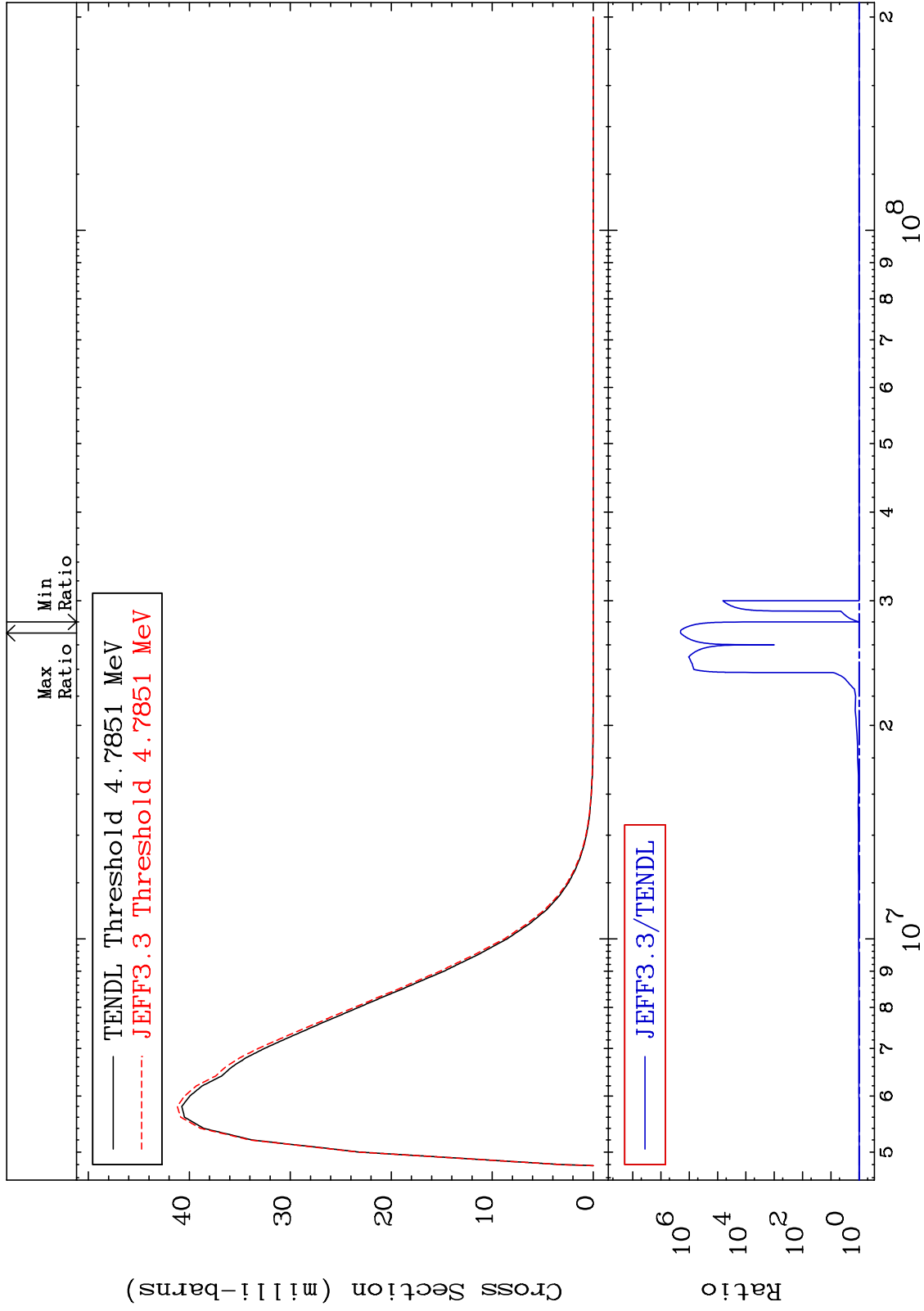
0.000 To 9999. %
15-P -31



MAT 1525

MT= 61 (n,n') Level
Cross Section

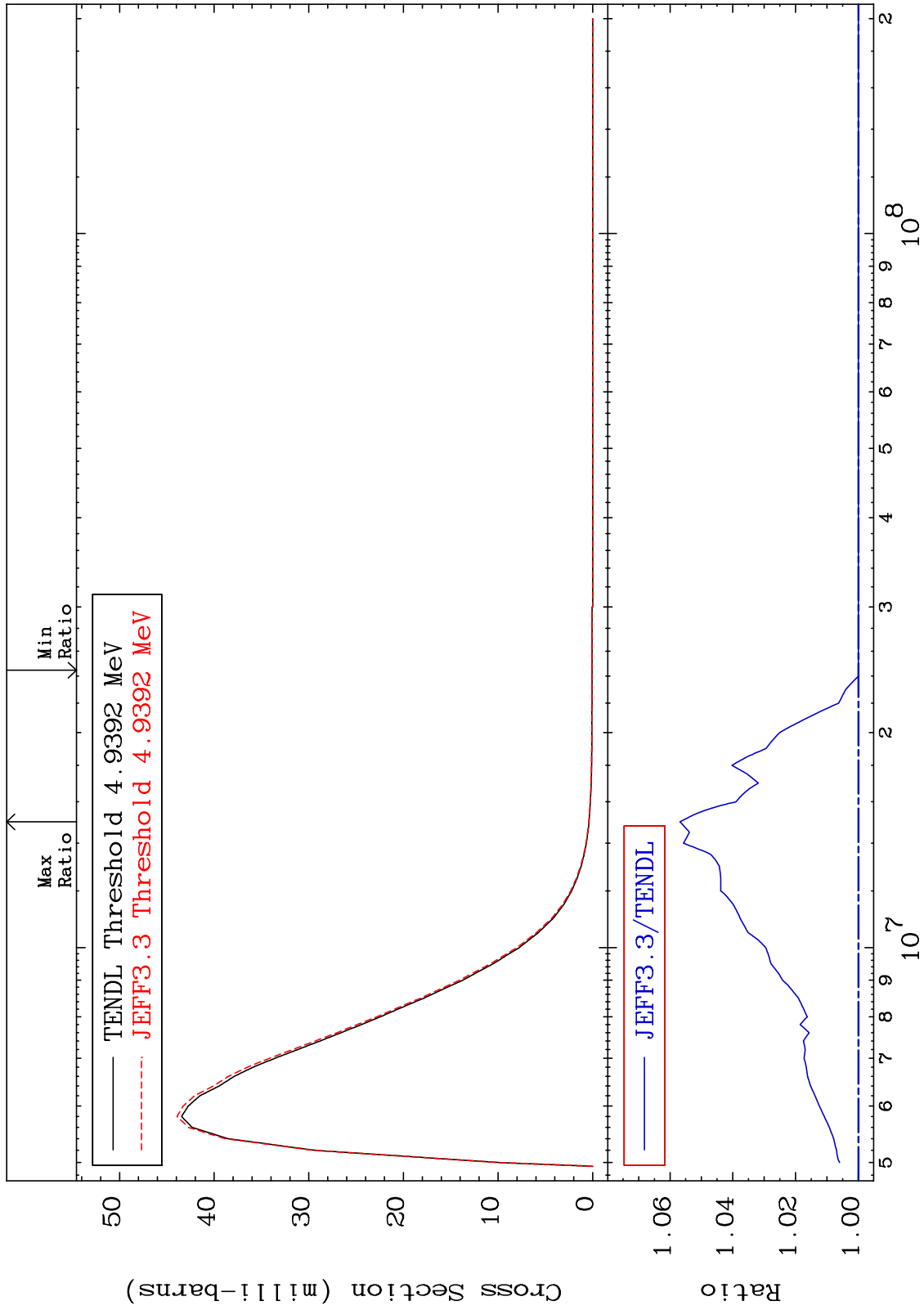
0.000 To 9999. %
15-P -31



28

15-P -31

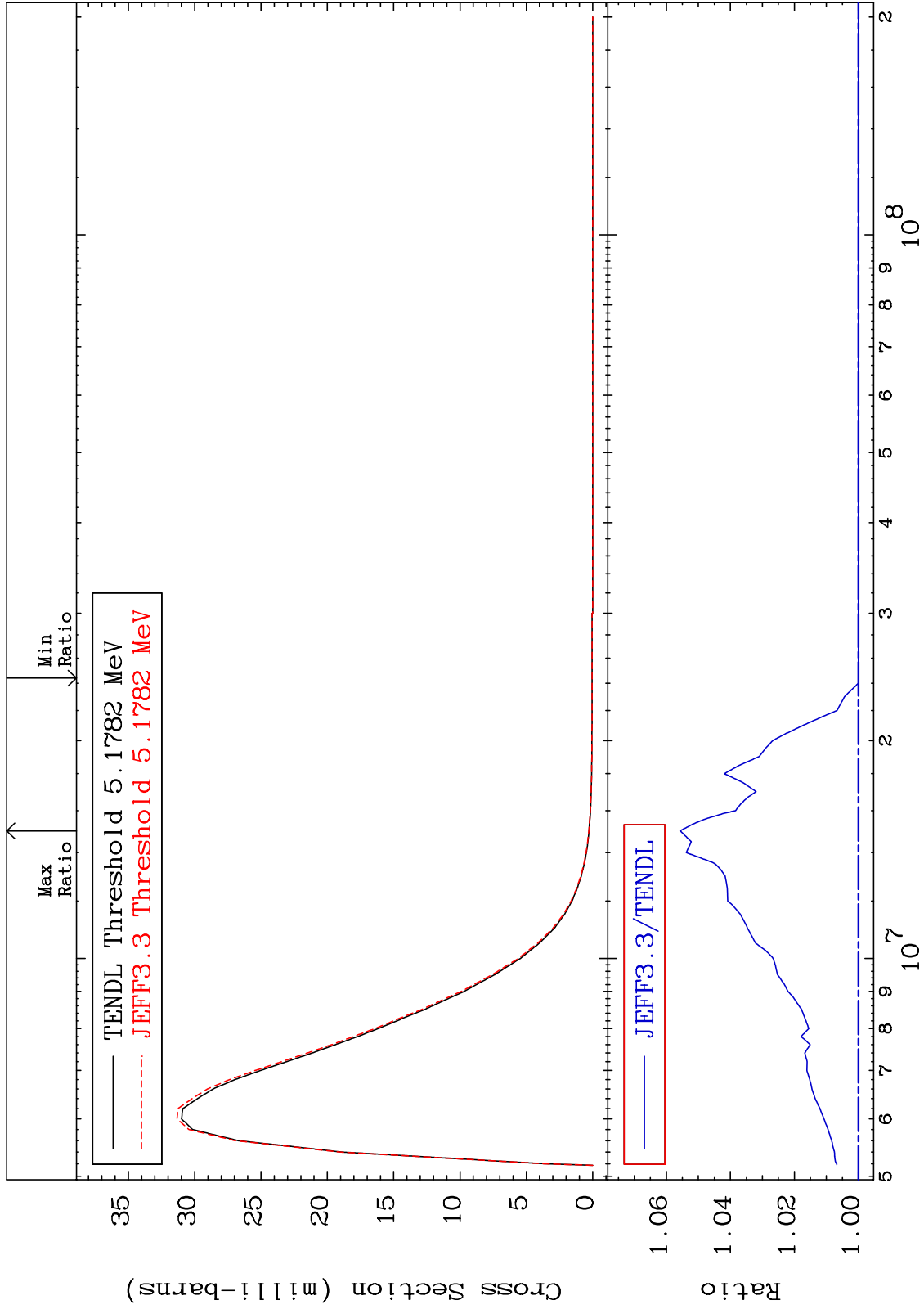
MAT 1525 MT= 62 (n,n') Level Cross Section 0.000 To 5.682 % 15-P -31



MAT 1525

MT= 63 (n,n') Level
Cross Section

0.000 To 5.574 %
15-P -31



30

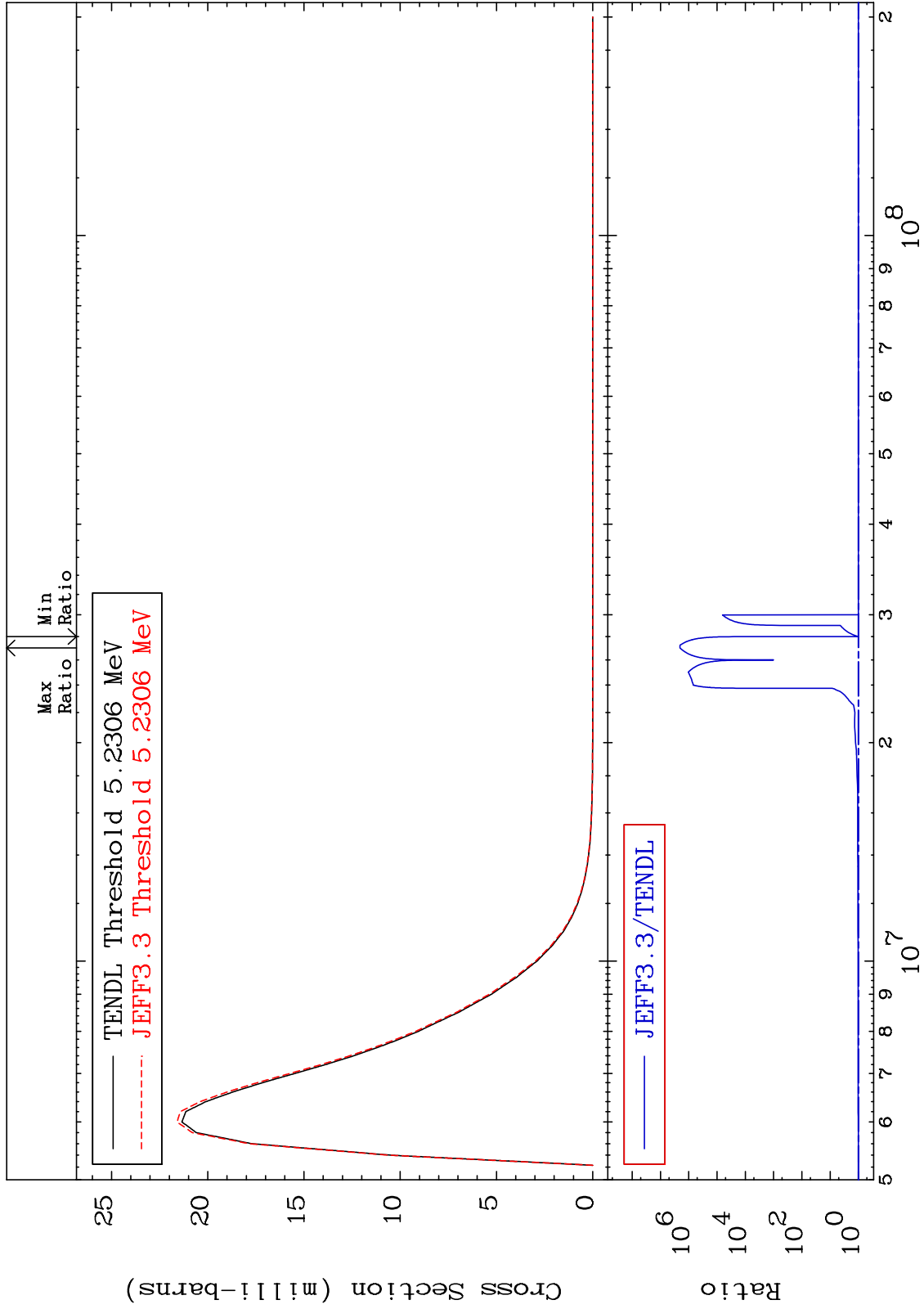
Incident Energy (eV)

15-P -31

MAT 1525

MT= 64 (n,n') Level
Cross Section

0.000 To 9999. %
15-P -31

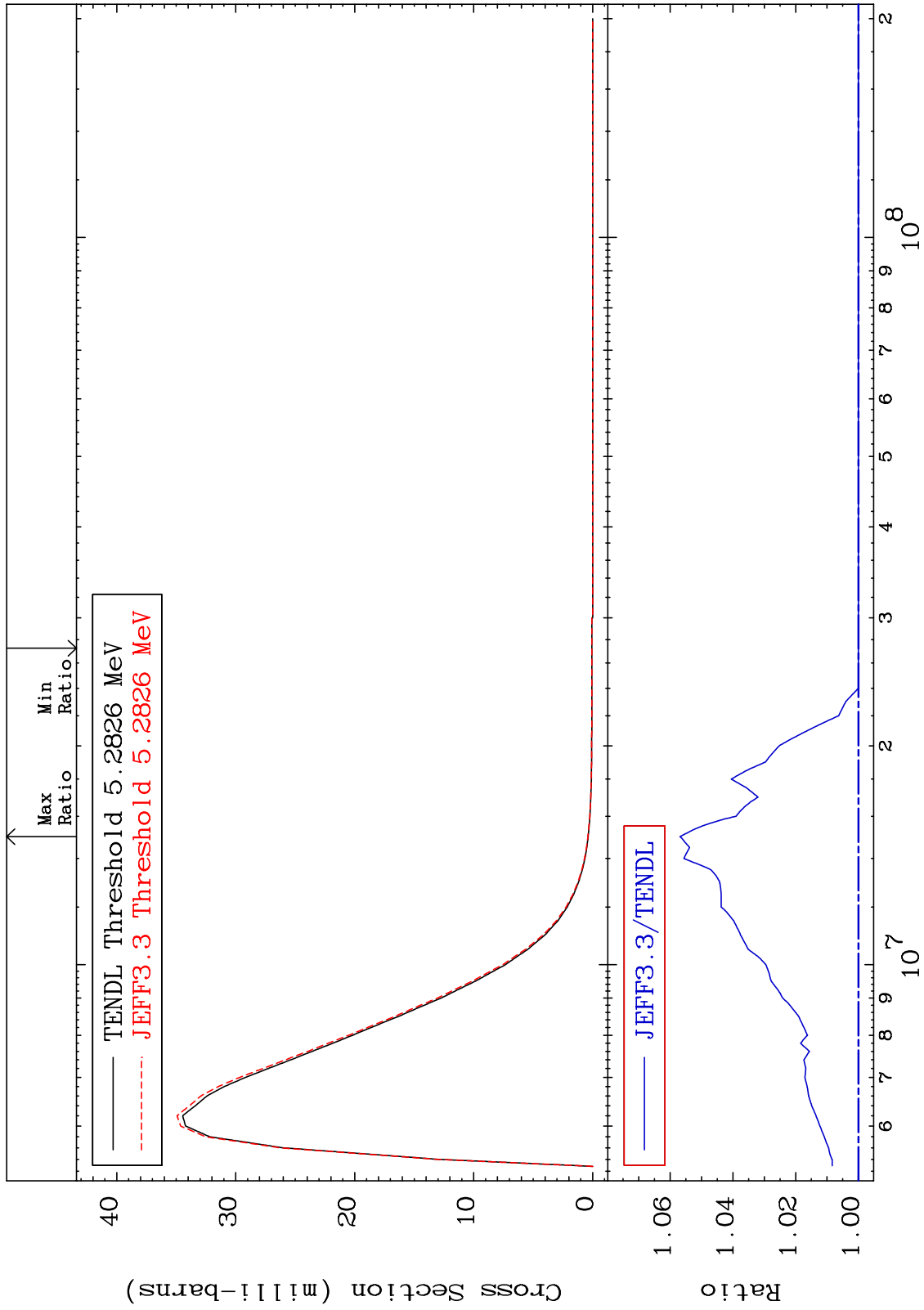


31

Incident Energy (eV)

15-P -31

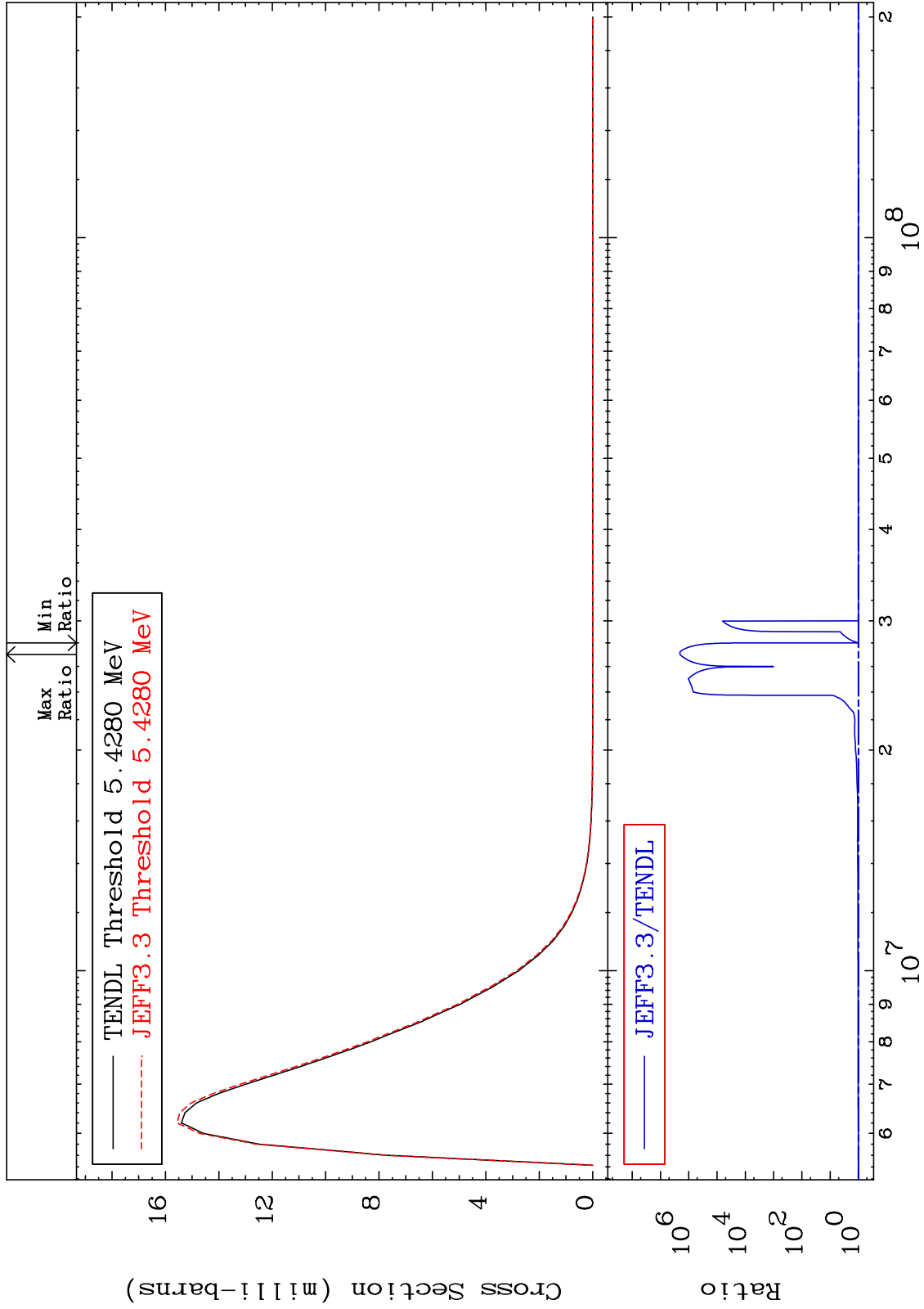
MAT 1525 MT= 65 (n,n') Level Cross Section 15-P -31
0.000 To 5.686 %



MAT 1525

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

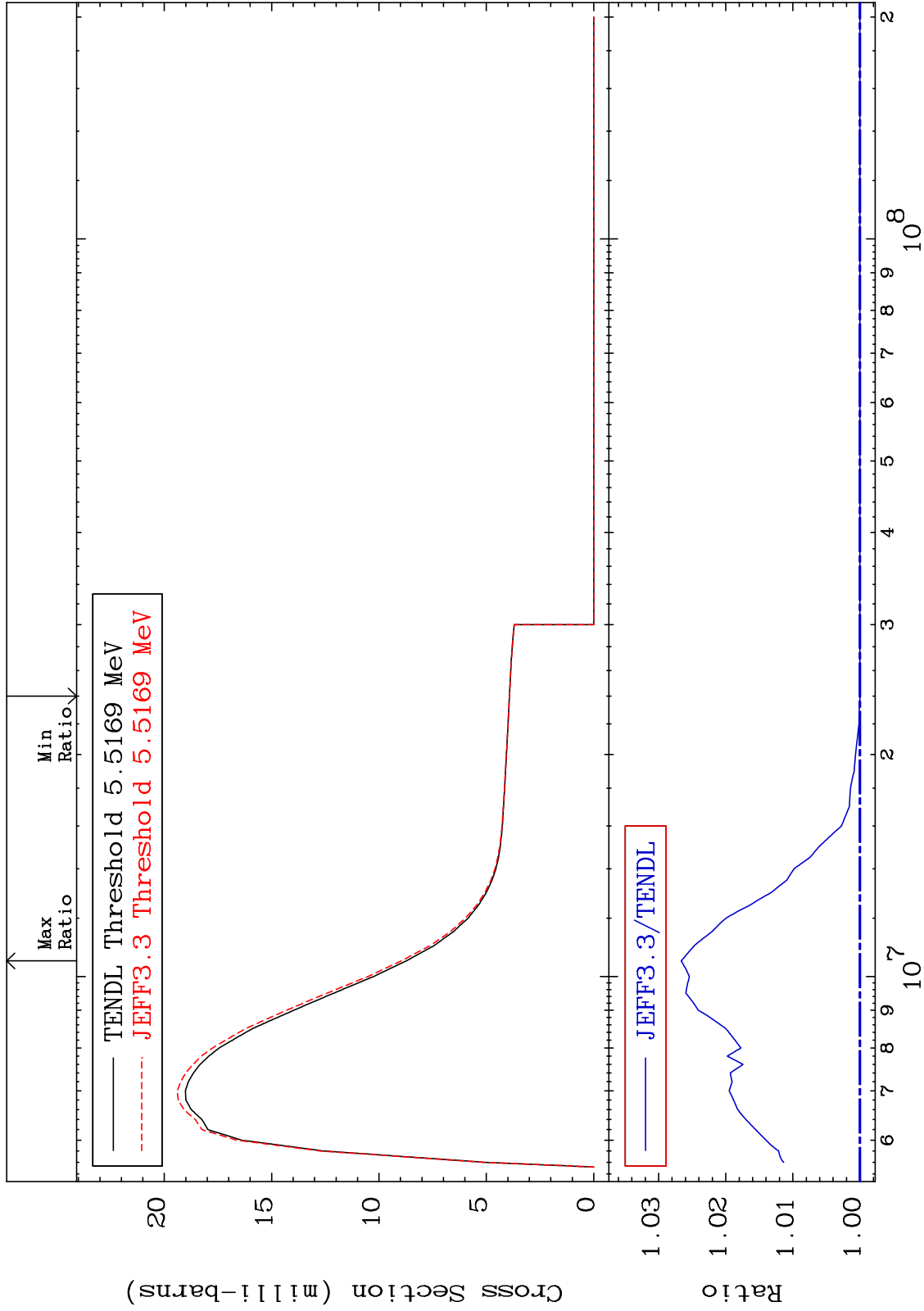
0.000 To 9999. %
15-P -31



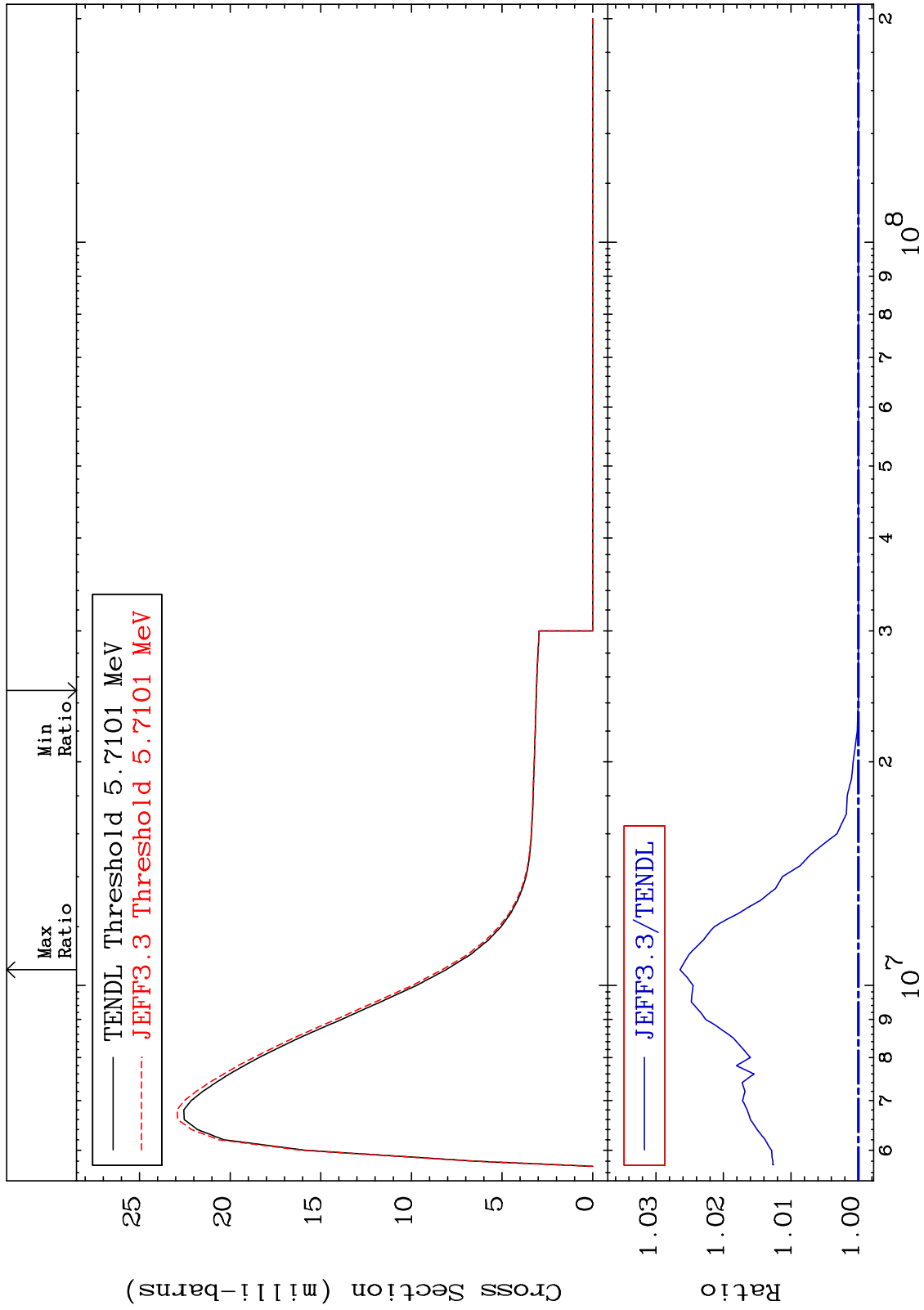
MAT 1525

MT= 67 (n, n') Level
Cross Section

0.000 To 2.664 %
15-P -31



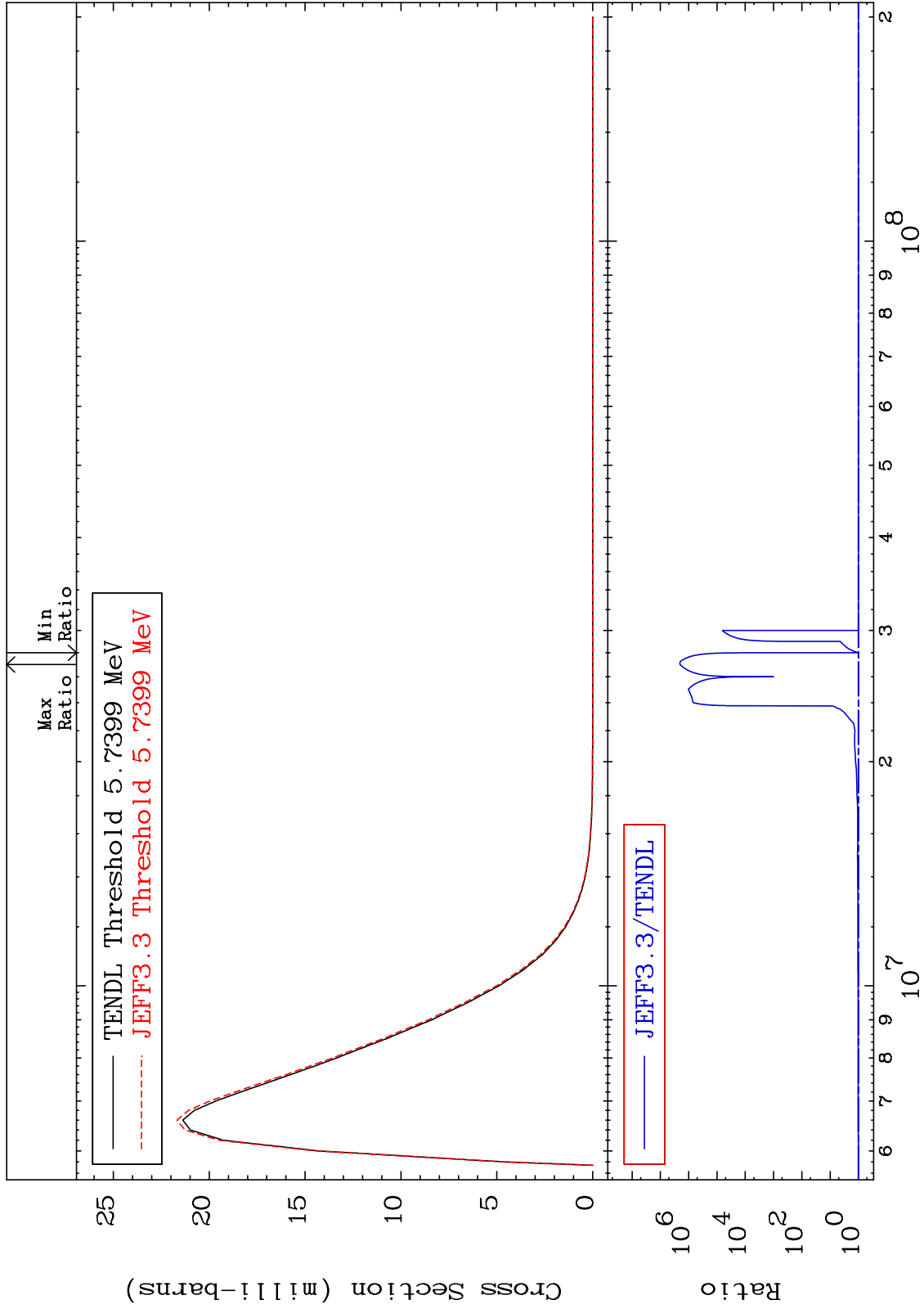
MAT 1525 MT= 68 (n,n') Level Cross Section 0.000 To 2.644 % 15-P -31



MAT 1525

MT= 69 (n,n') Level
Cross Section

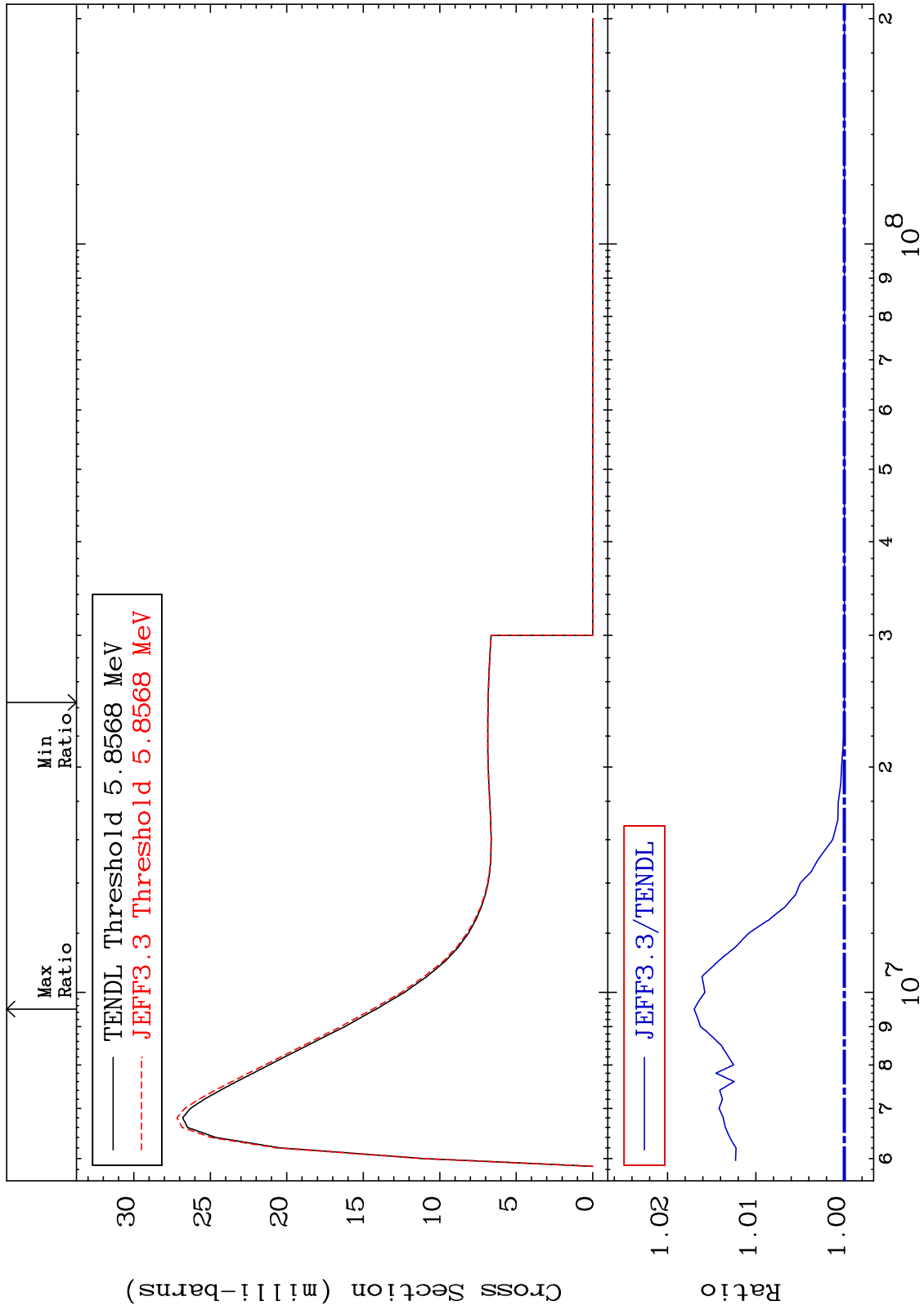
0.000 To 9999. %
15-P -31



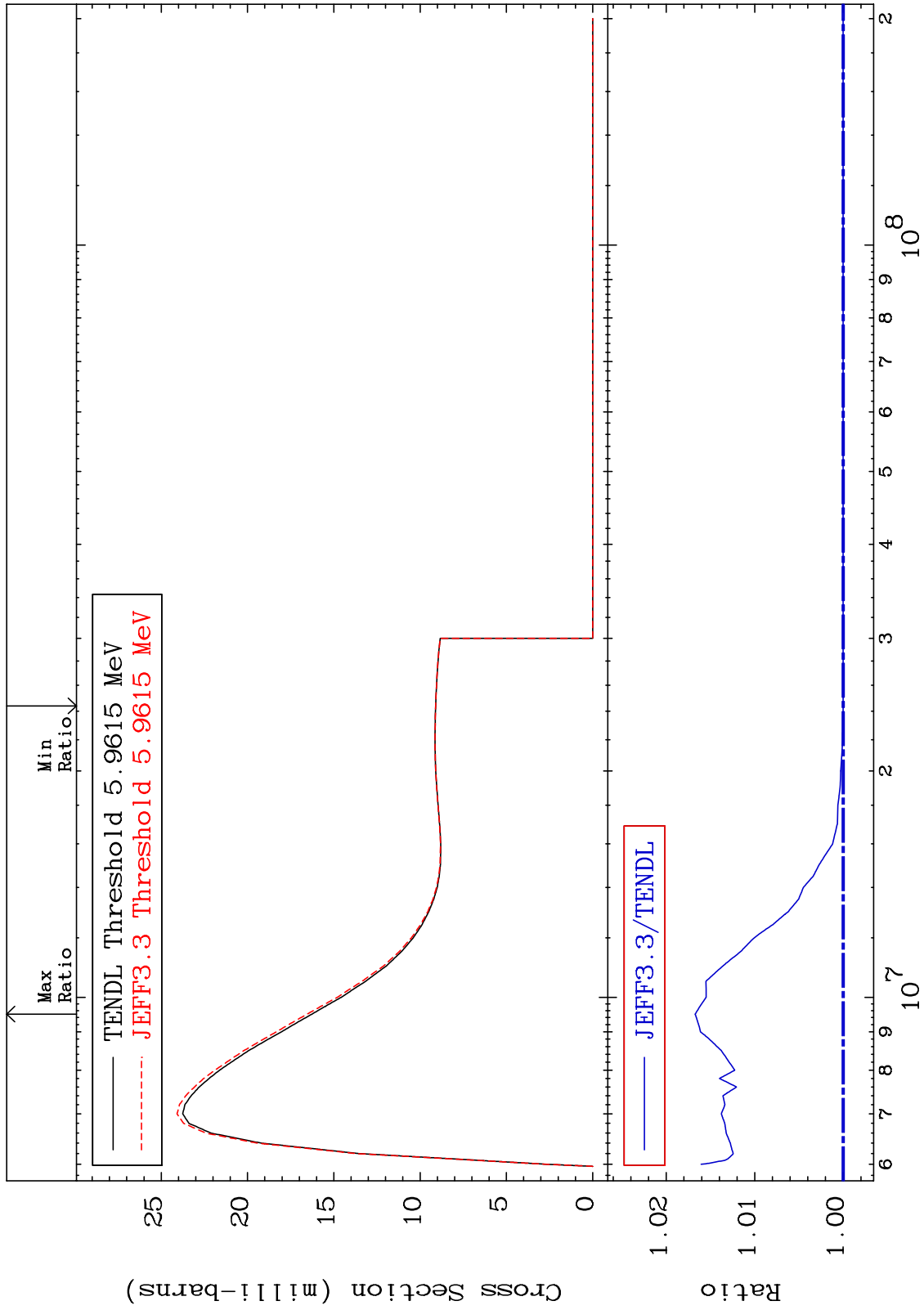
36

15-P -31

MAT 1525 MT= 70 (n,n') Level Cross Section 15-P -31
 0.000 To 1.698 %



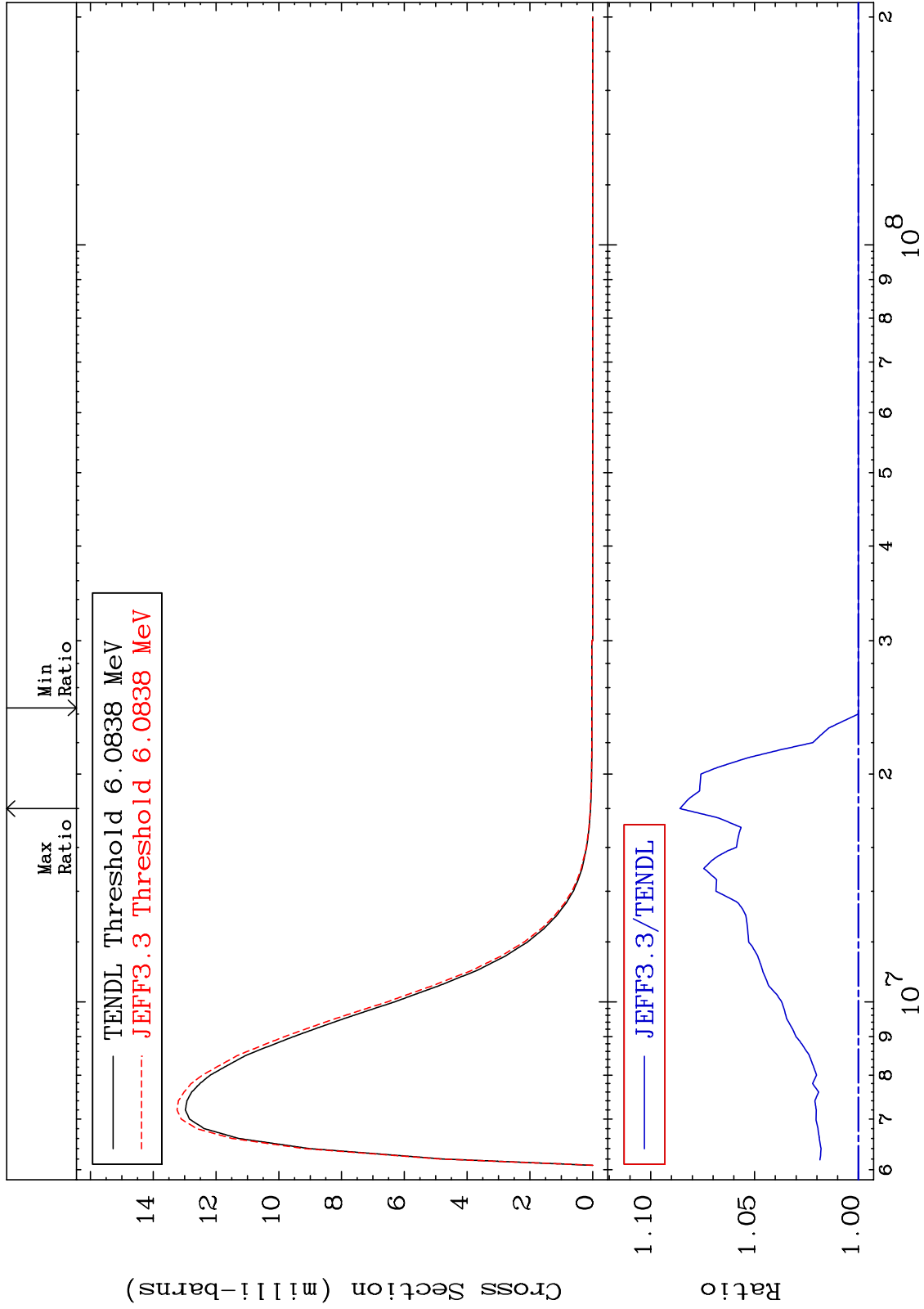
MAT 1525 MT= 71 (n,n') Level Cross Section 0.000 To 1.673 % 15-P -31



MAT 1525

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

0.000 To 8.591 %
15-P -31

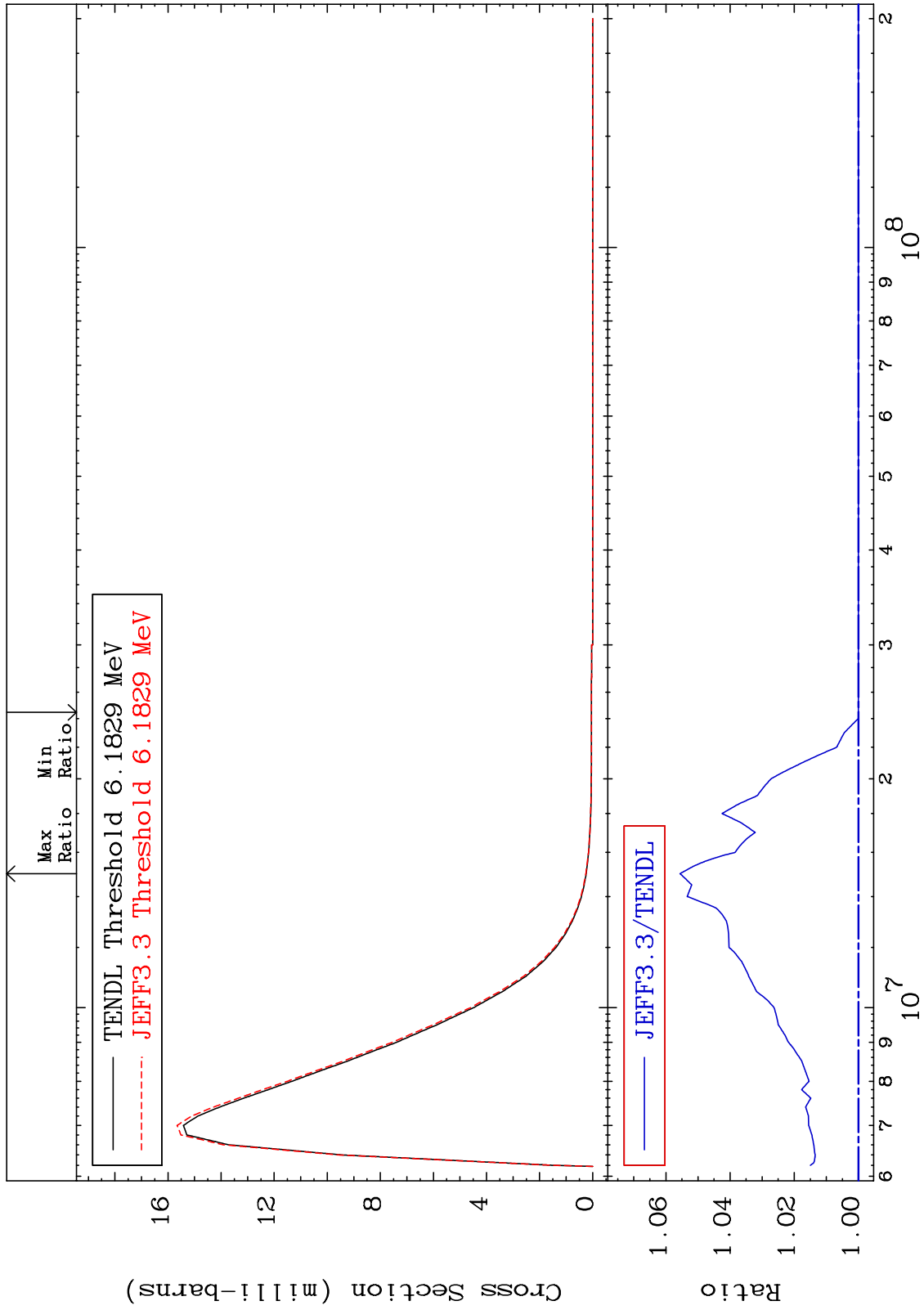


39

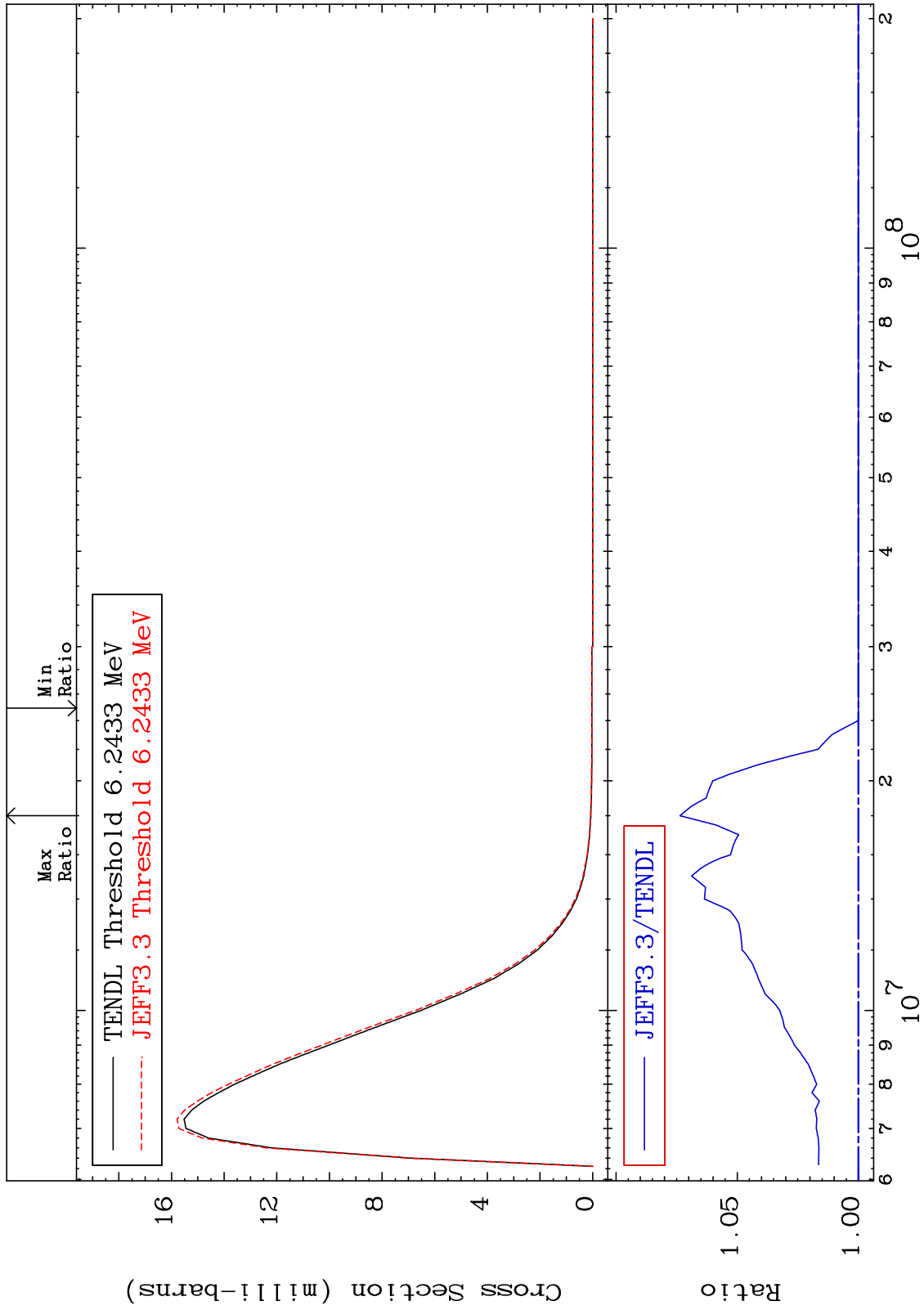
Incident Energy (eV)

15-P -31

MAT 1525 MT= 73 (n,n') Level Cross Section 0.000 To 5.560 % 15-P -31



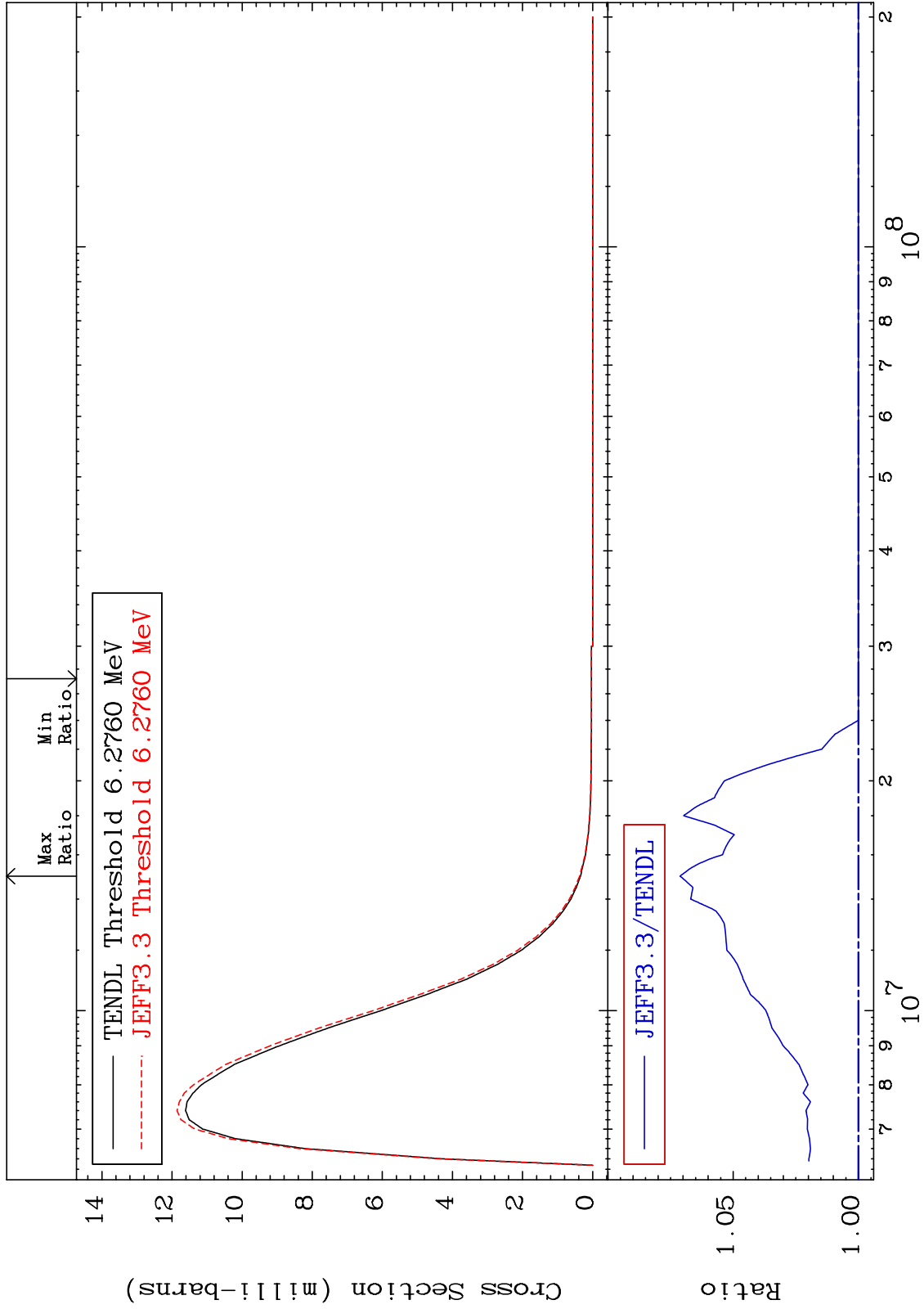
MAT 1525 MT= 74 (n,n') Level Cross Section 0.000 To 7.362 % 15-P -31



MAT 1525

MT= 75 (n,n') Level
Cross Section

0.000 To 7.122 %
15-P -31



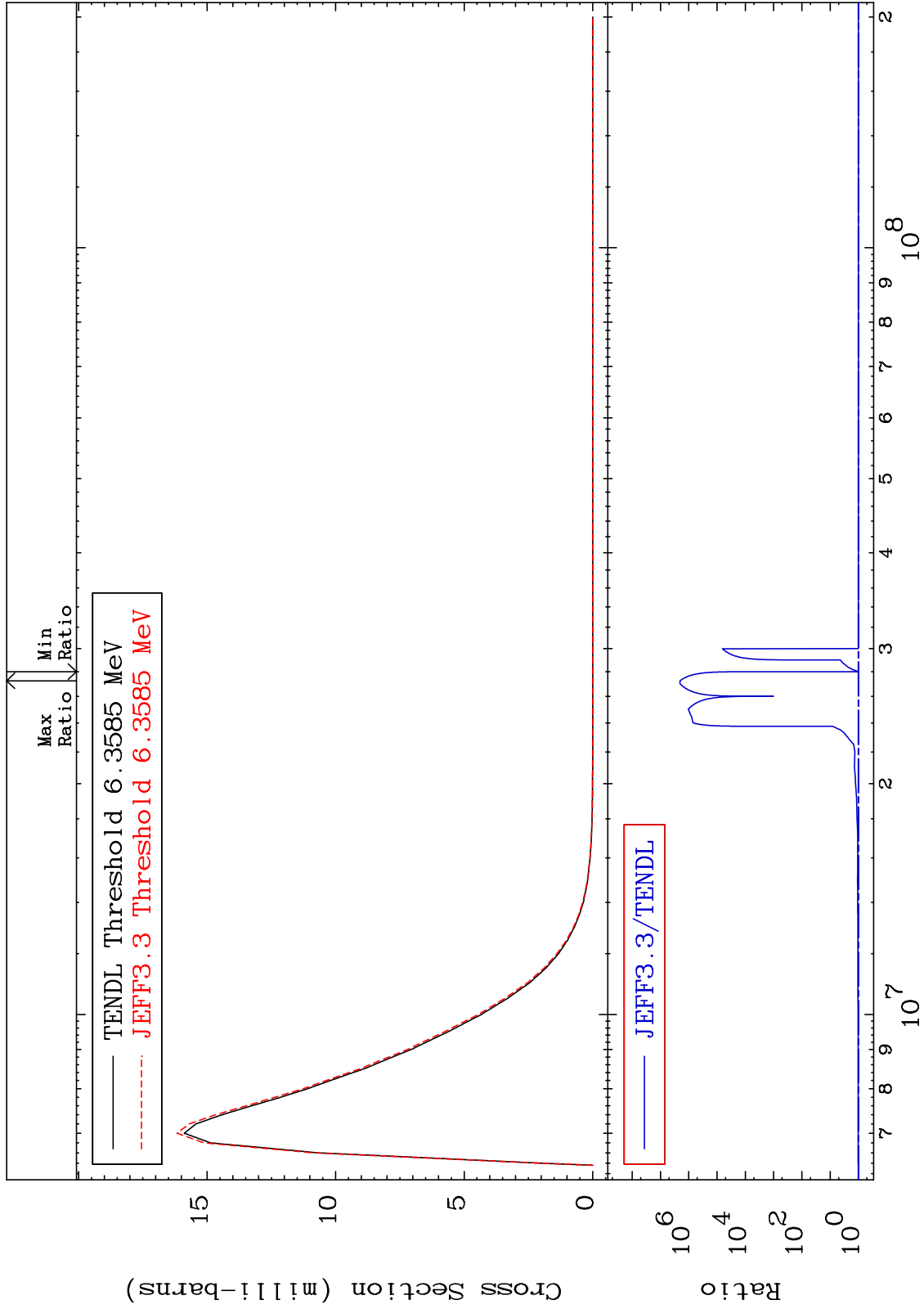
42

15-P -31

MAT 1525

MT= 76 (n,n') Level
Cross Section

0.000 To 9999. %
15-P -31



43

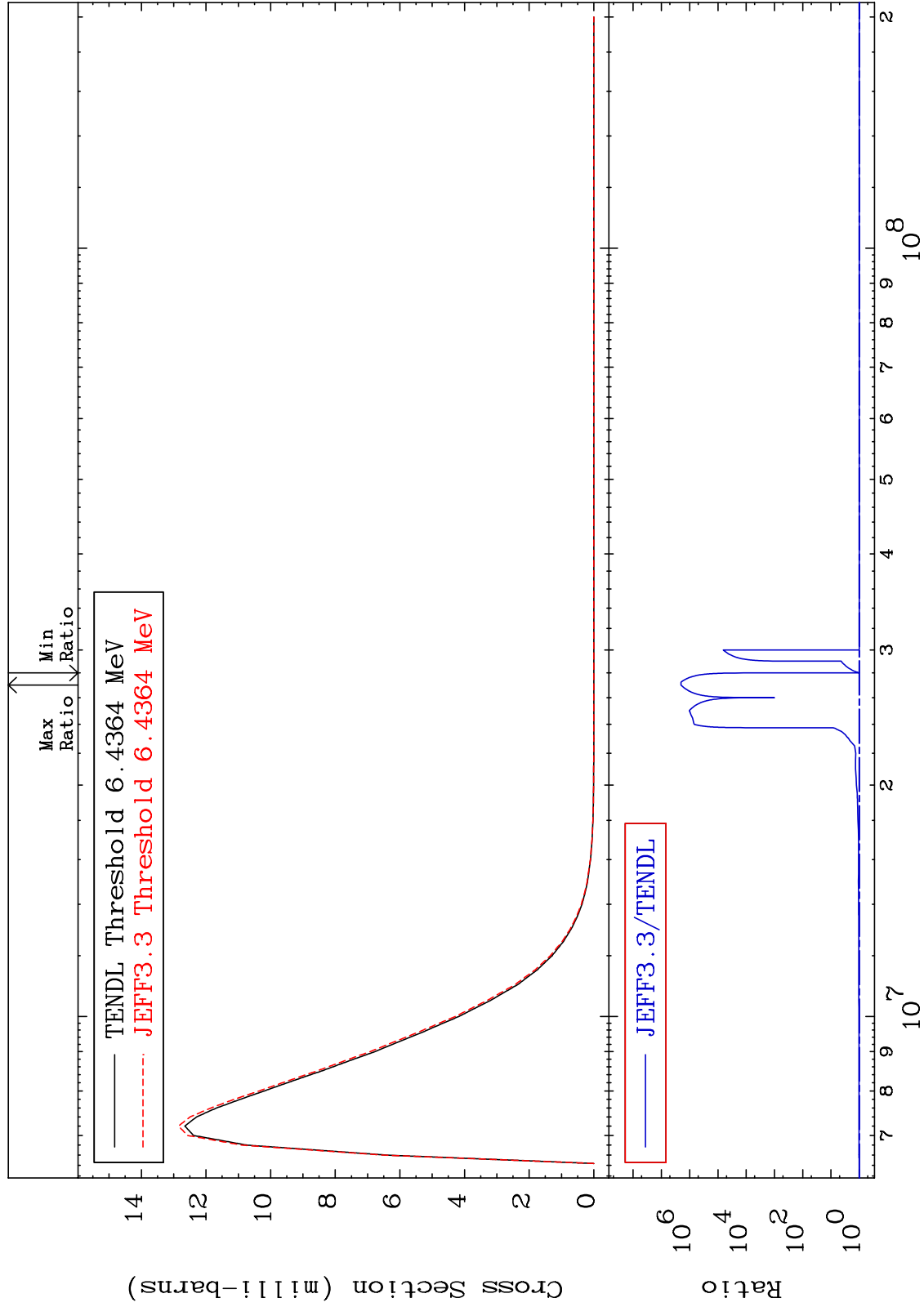
15-P -31

MAT 1525

MT= 77 (n,n') Level

15-P -31

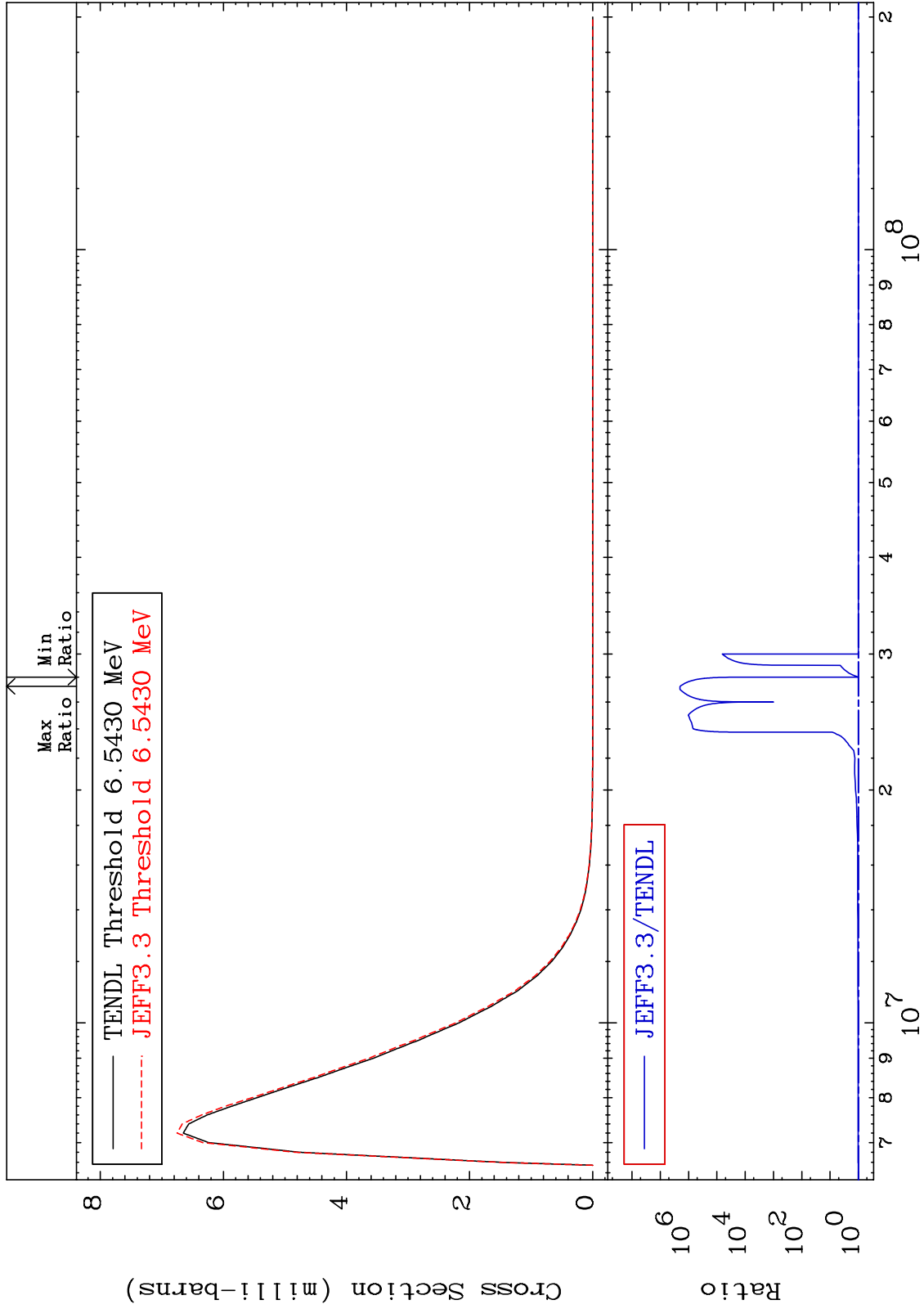
Cross Section 0.000 To 9999. %



MAT 1525

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

0.000 To 9999. %
15-P -31



45

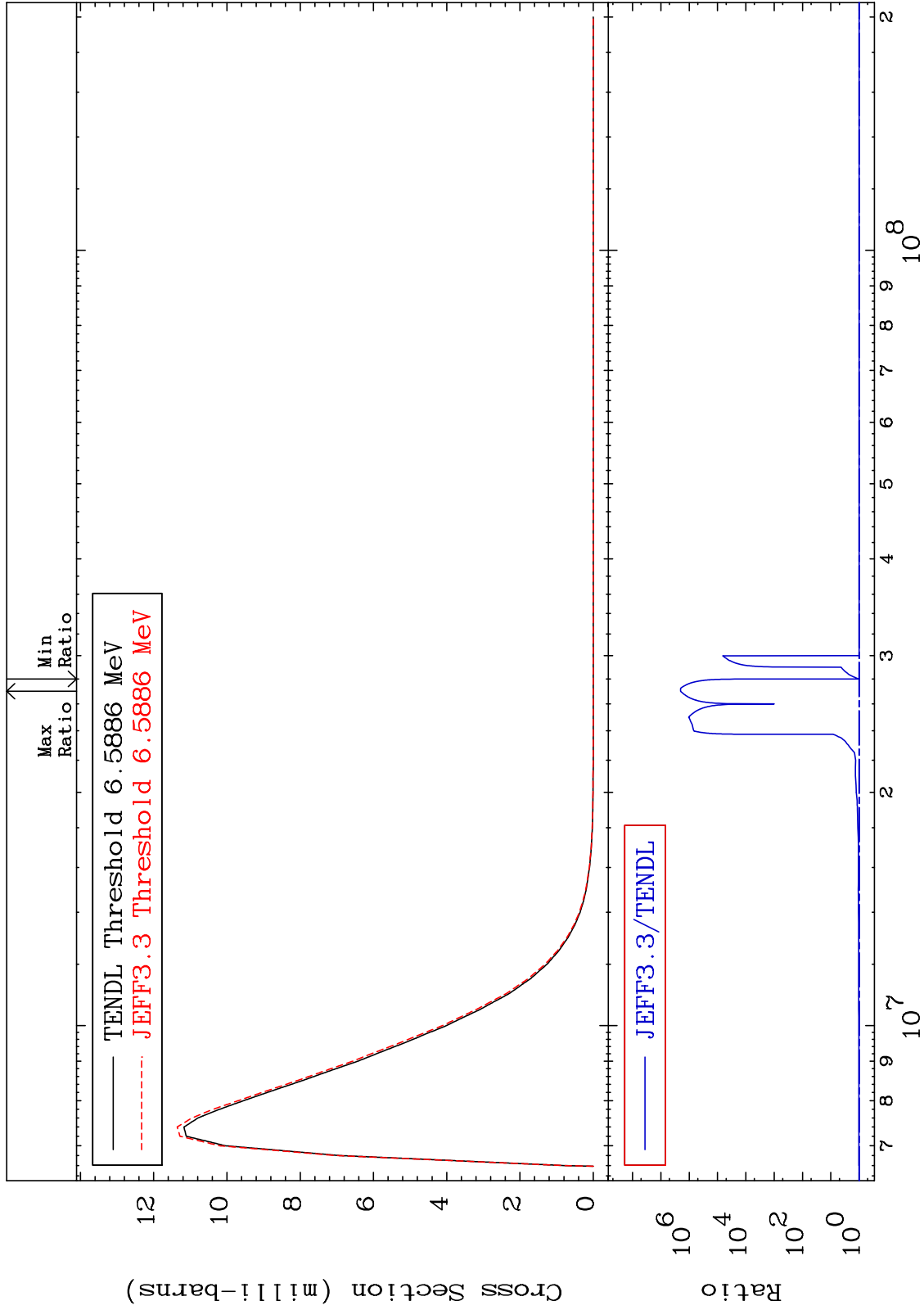
15-P -31

MAT 1525

MT= 79 (n,n') Level

15-P -31

Cross Section 0.000 To 9999. %



46

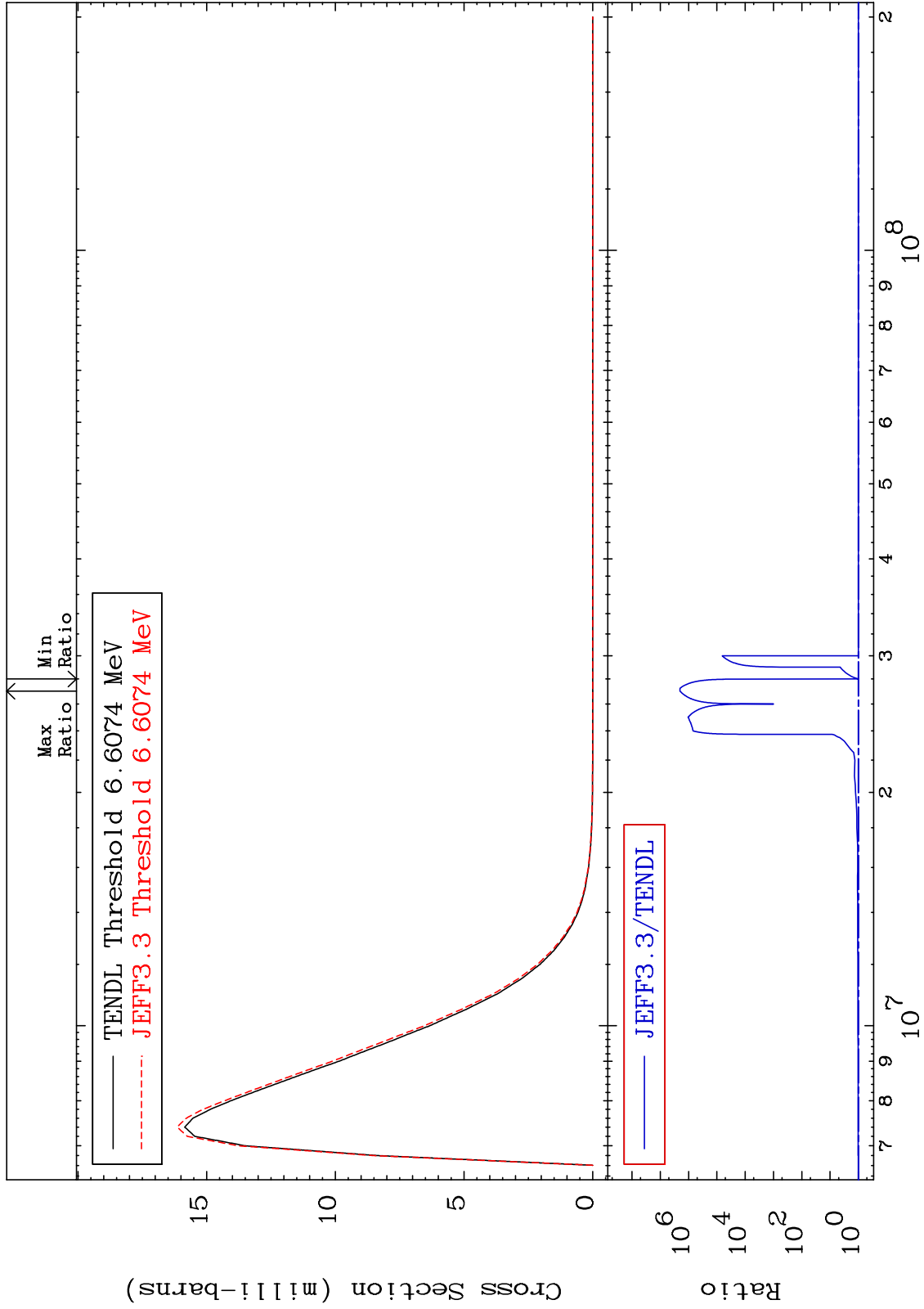
Incident Energy (eV)

15-P -31

MAT 1525

MT= 80 (n,n') Level
Cross Section

0.000 To 9999. %
15-P -31



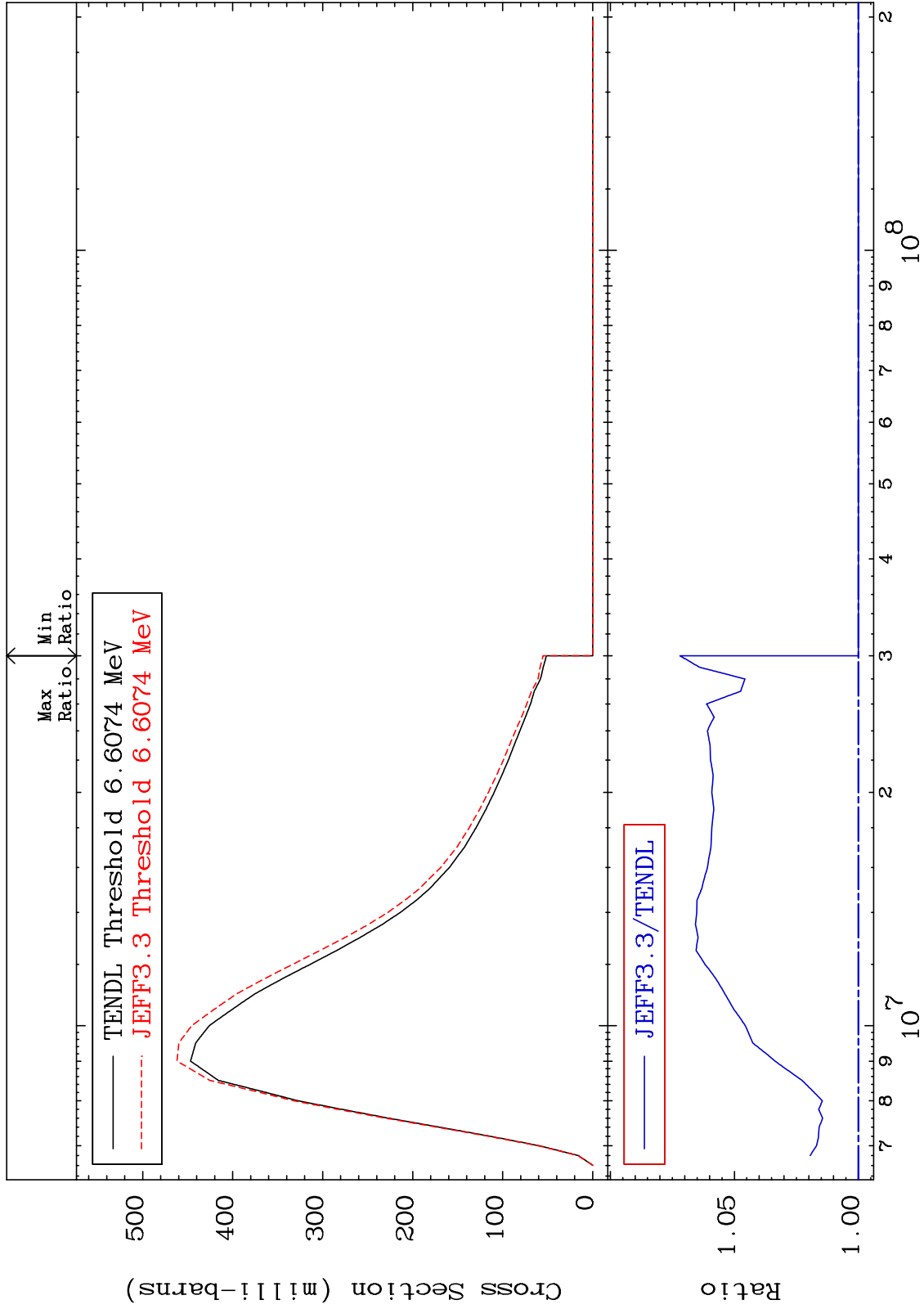
47

15-P -31

MAT 1525

(n,n') Continuum
Cross Section

15-P -31
0.000 To 7.191 %



48

Incident Energy (eV)

15-P -31

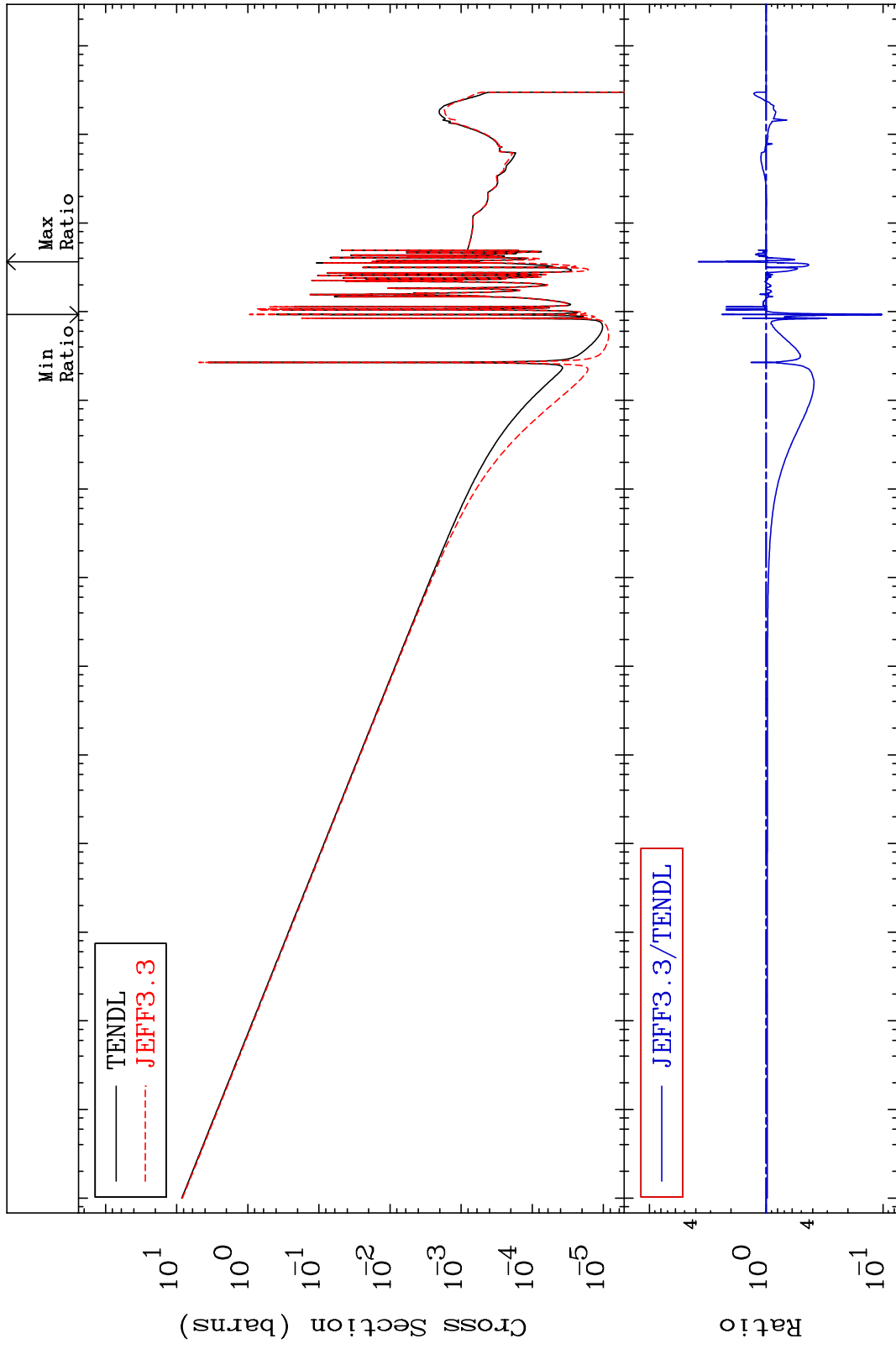
MAT 1525

(n, γ)

15-P -31

Cross Section

-89.72 To 281.3 %



49

Incident Energy (eV)

15-P -31

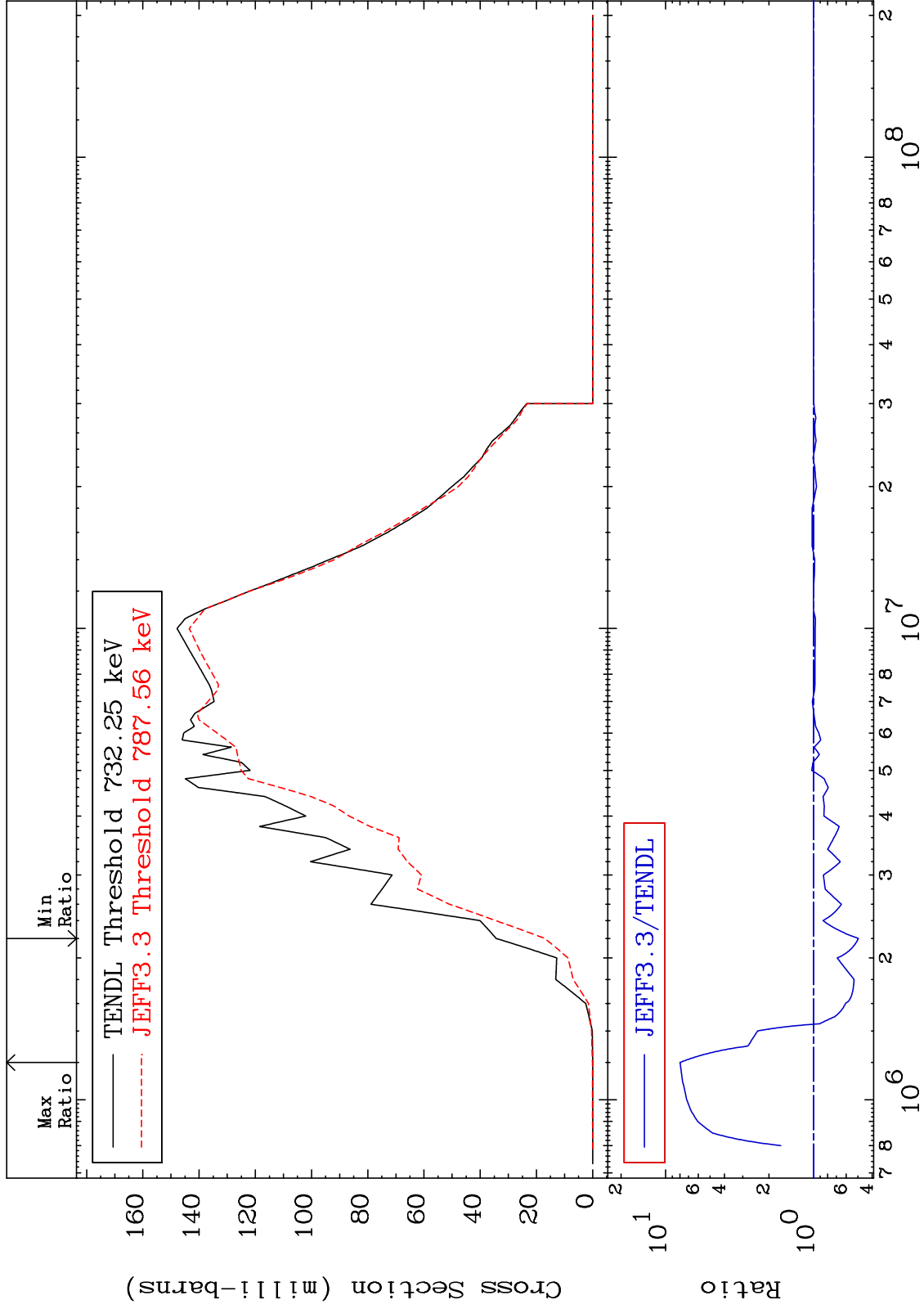
MAT 1525

(n,p)

15-P -31

Cross Section

-50.43 To 698.6 %



50

Incident Energy (eV)

15-P -31

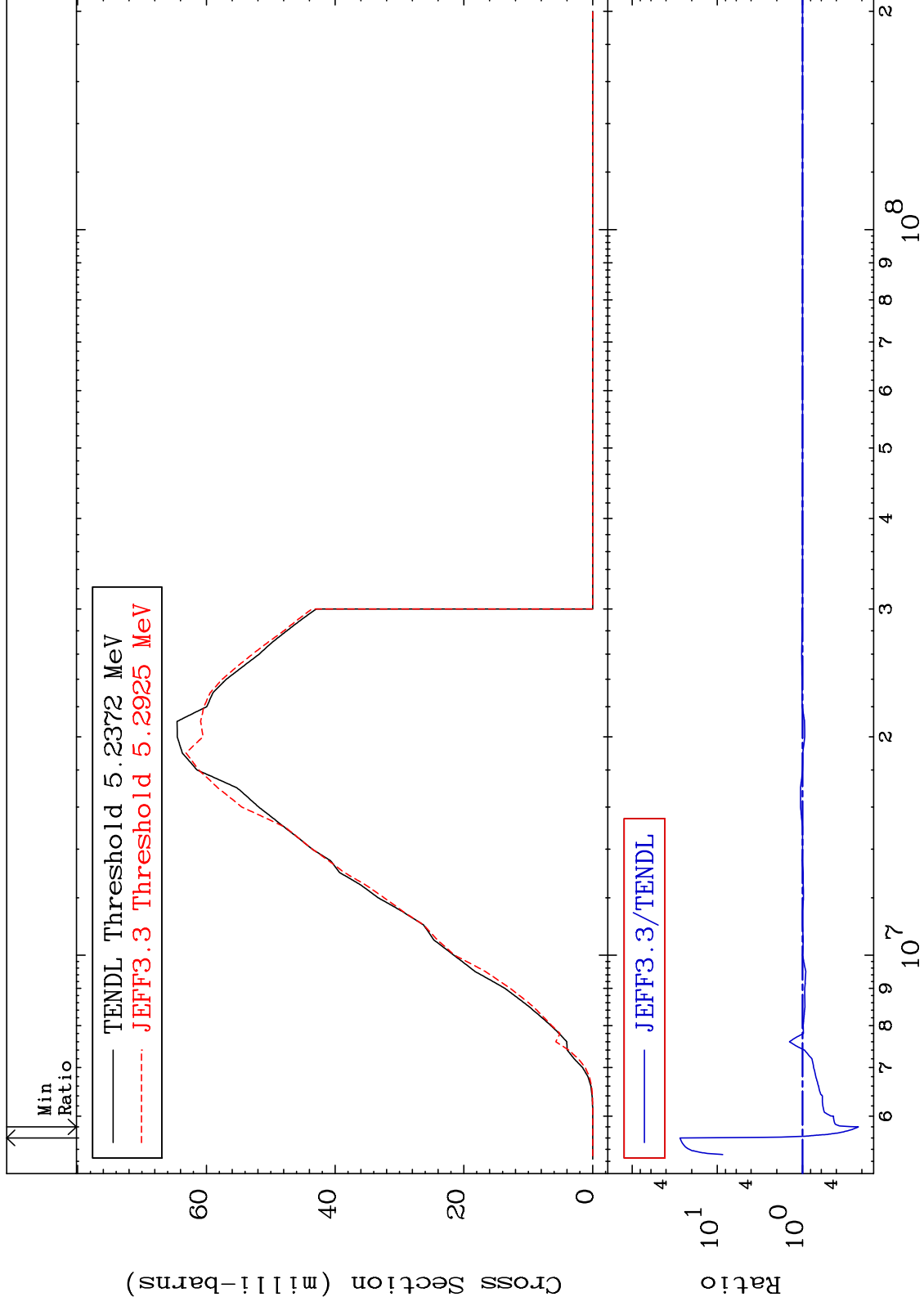
MAT 1525

(n,d)

Cross Section

15-P -31

-77.99 To 2637. %



51

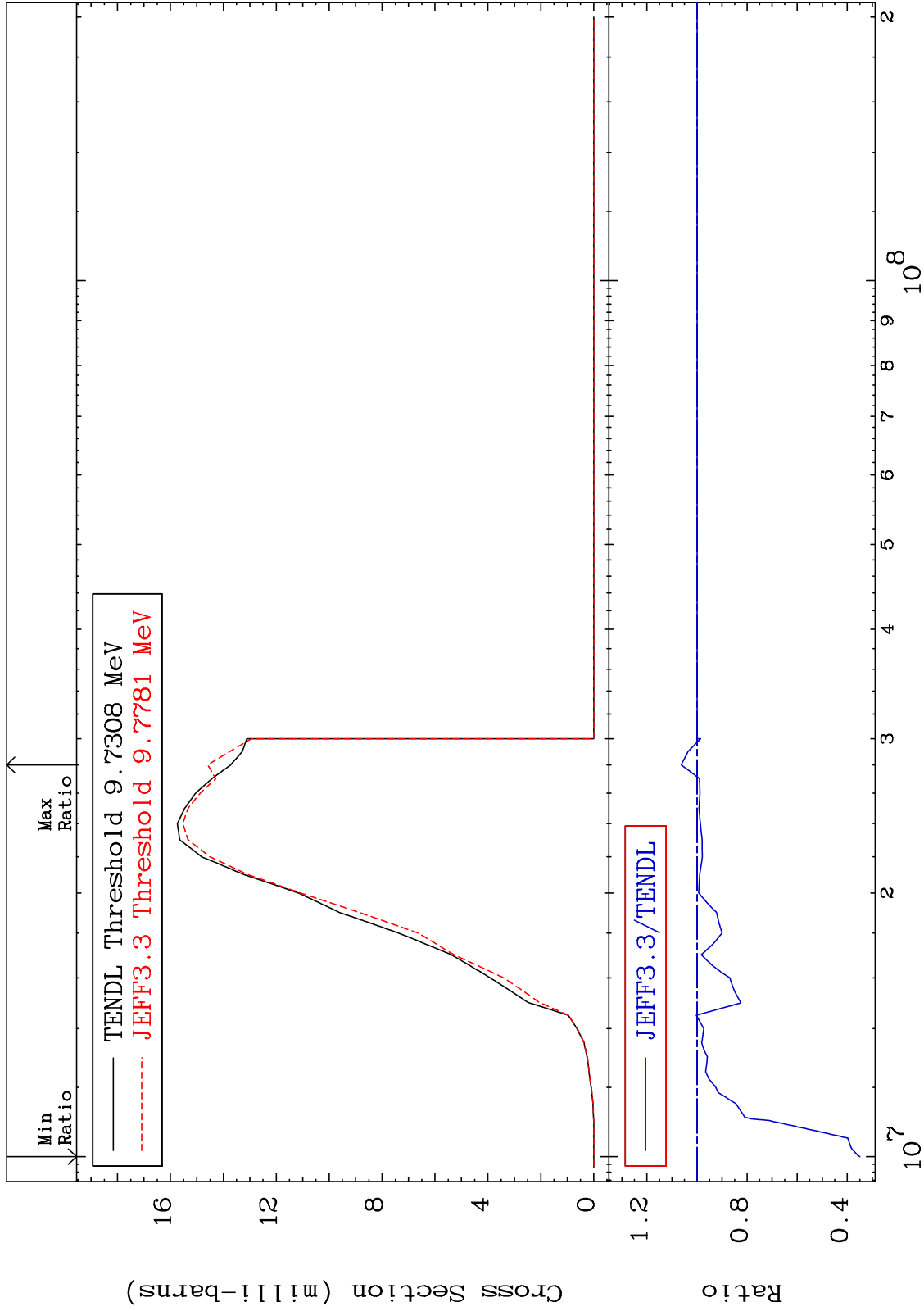
15-P -31

MAT 1525

(n, t)

Cross Section

15-P -31
-65.05 To 6.313 %



52

Incident Energy (eV)

15-P -31

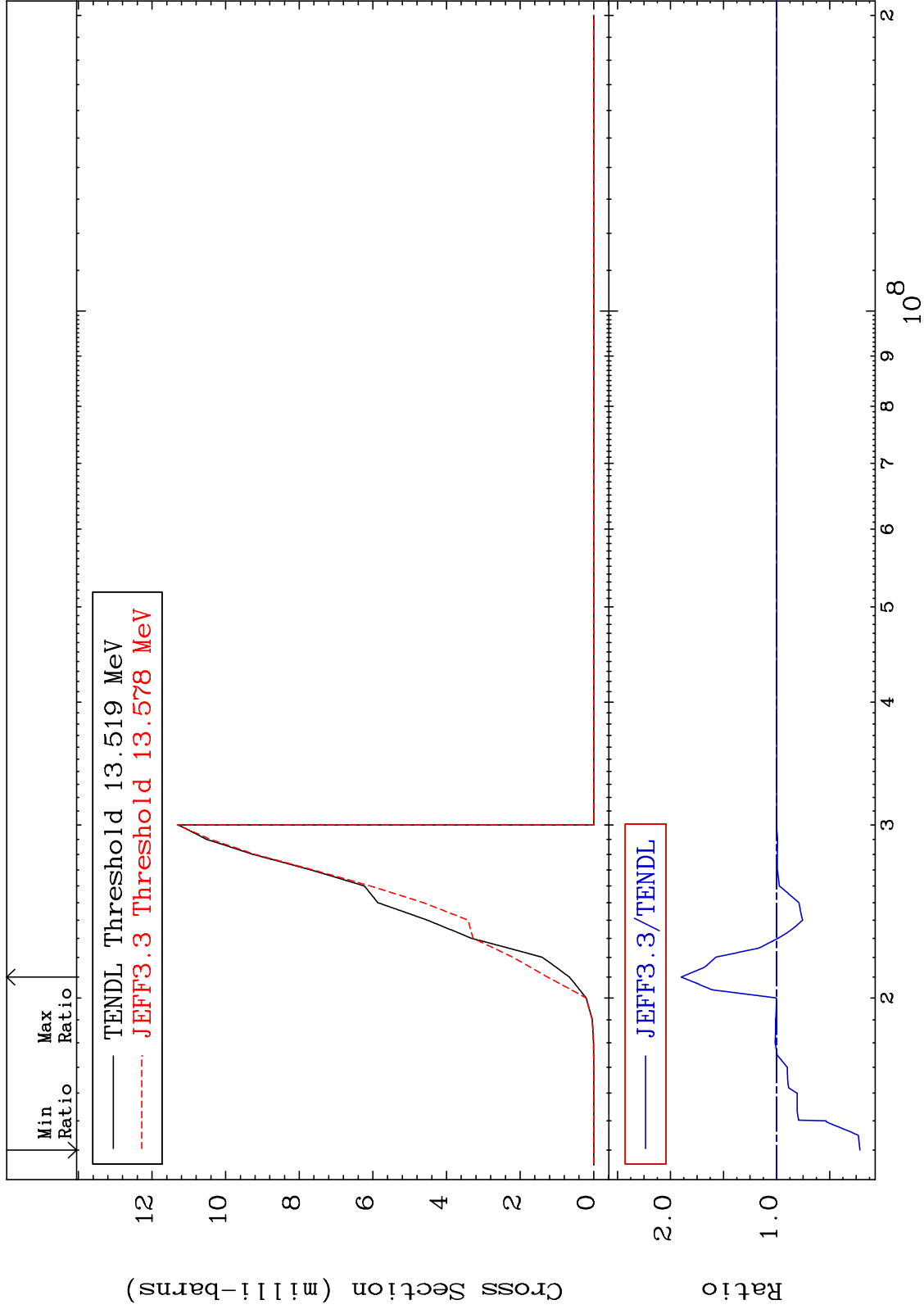
MAT 1525

(n, He-3)

15-P -31

Cross Section

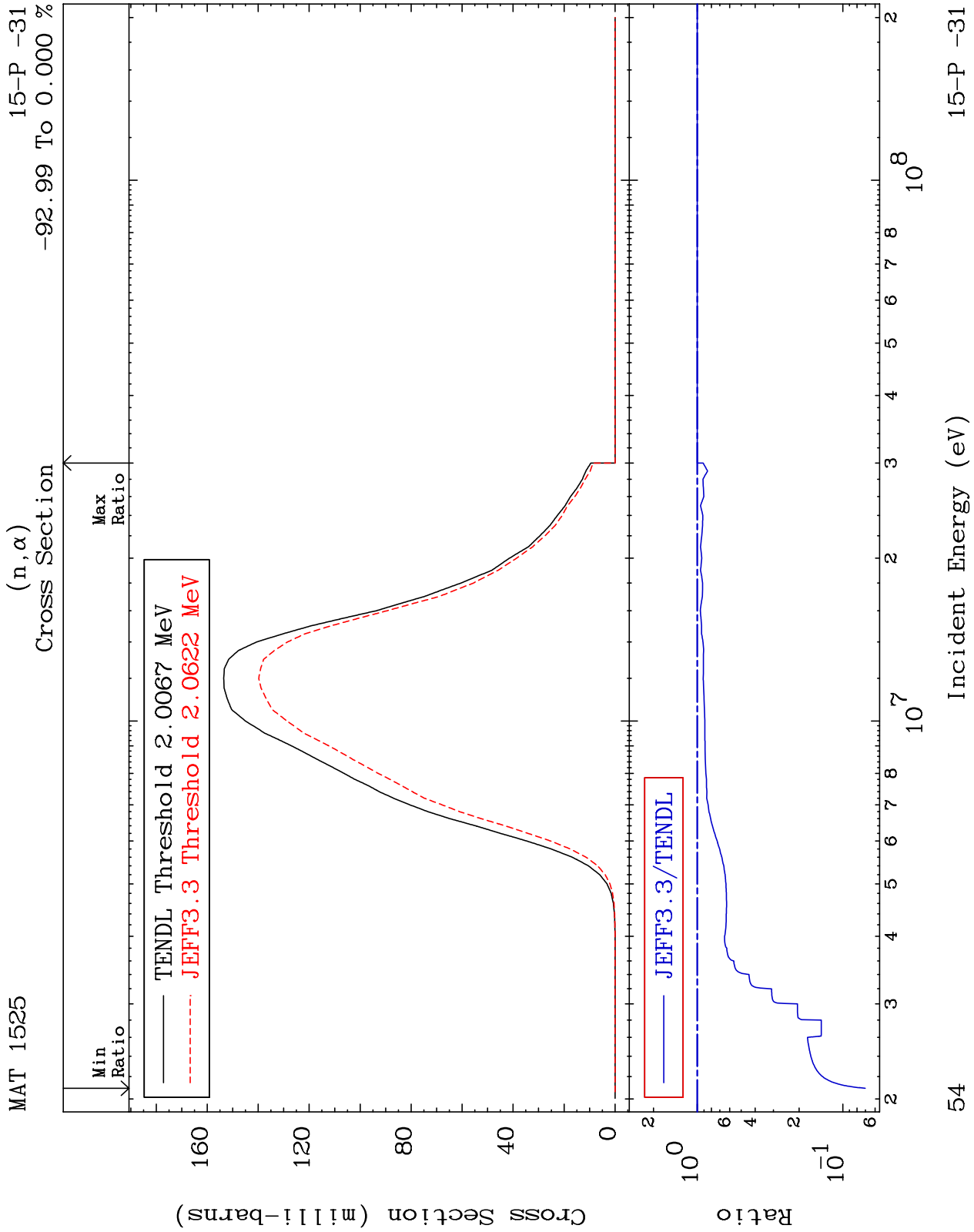
-78.56 To 89.92 %



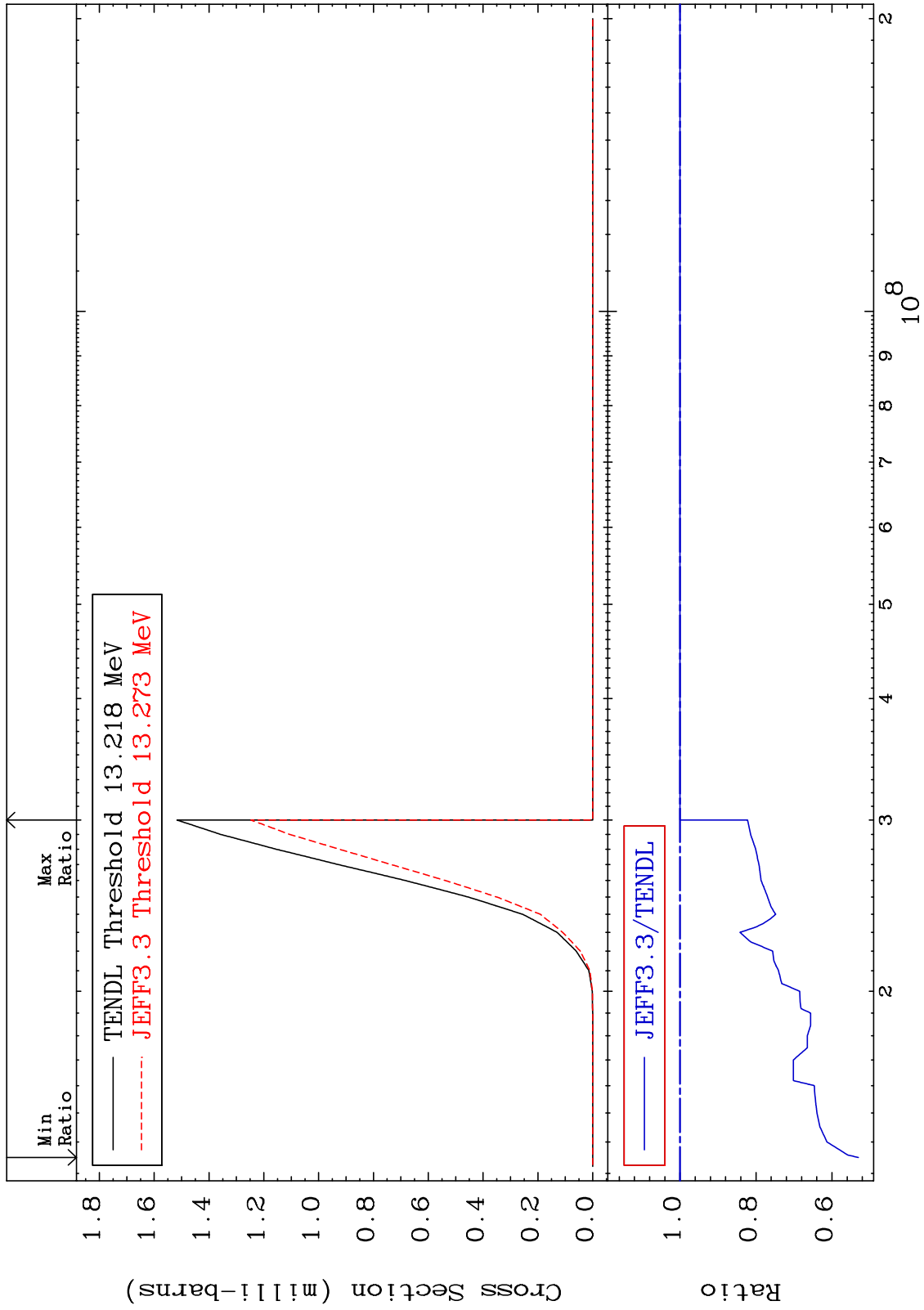
53

Incident Energy (eV)

15-P -31



MAT 1525 (n,2α) Cross Section 15-P -31
 -46.97 To 0.000 %



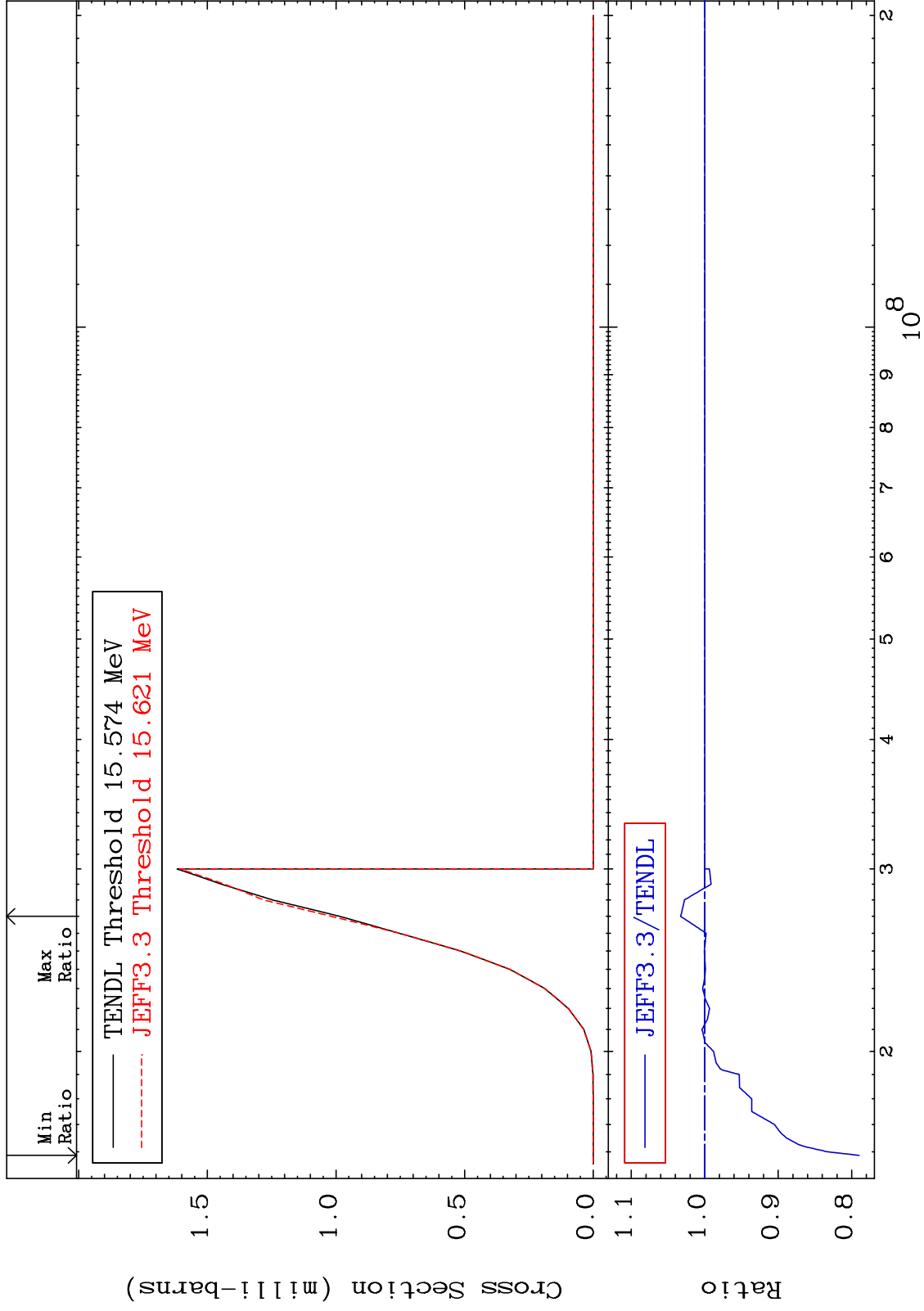
MAT 1525

(n,2p)

15-P -31

Cross Section

-21.02 To 3.287 %



56

Incident Energy (eV)

15-P -31

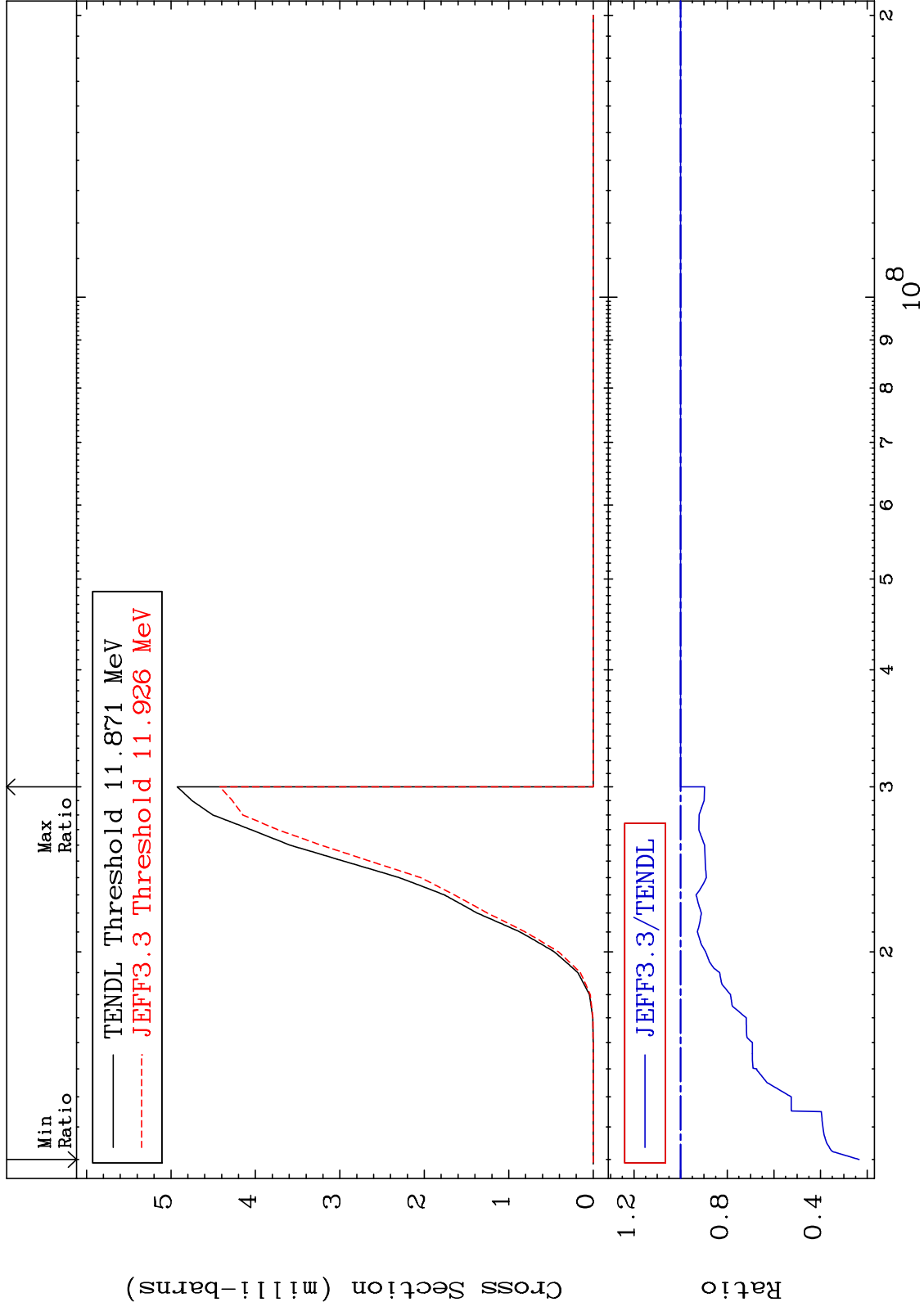
MAT 1525

(n,p) α

15-P -31

Cross Section

-76.56 To 0.000 %



57

15-P -31

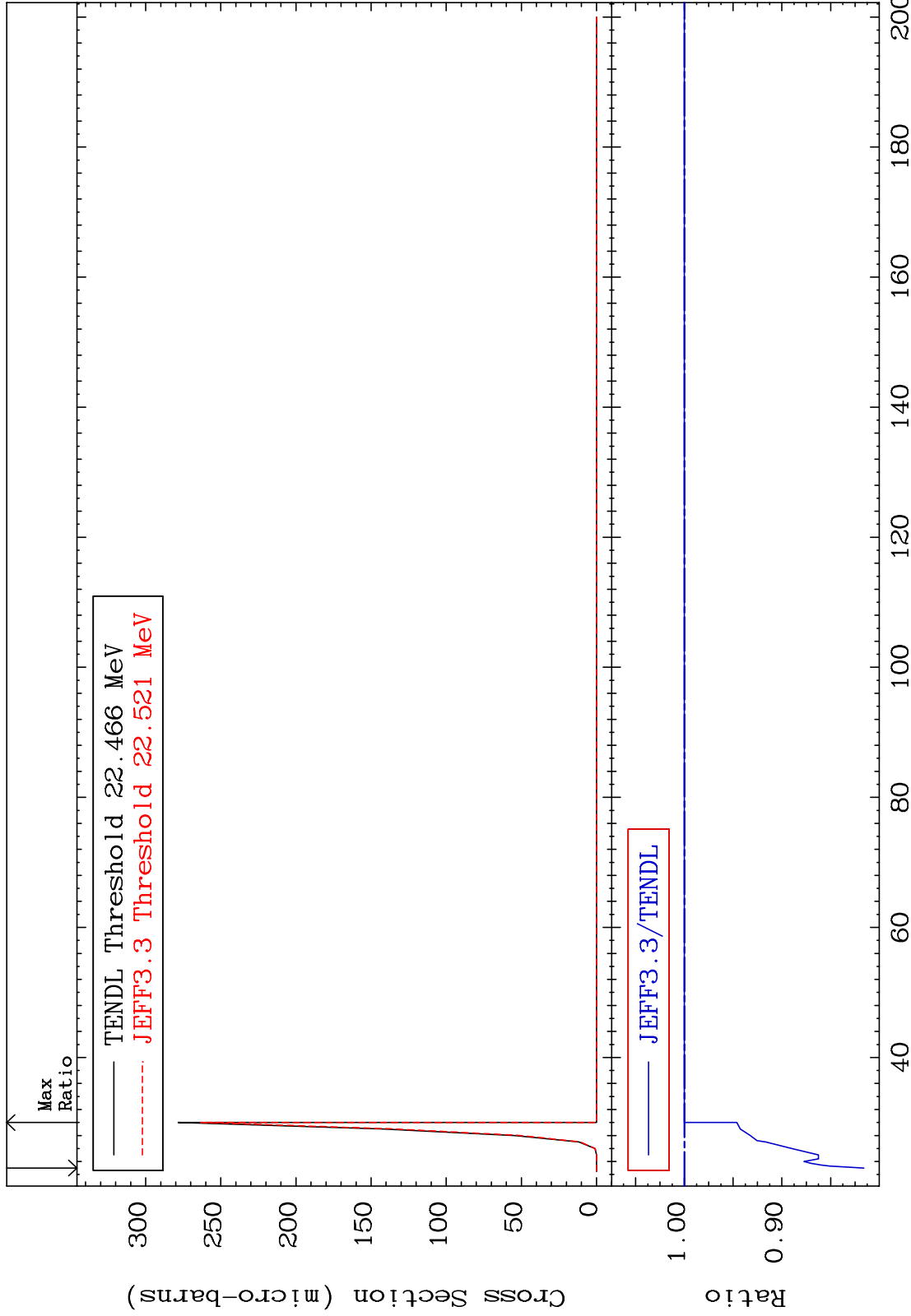
MAT 1525

(n,p) t

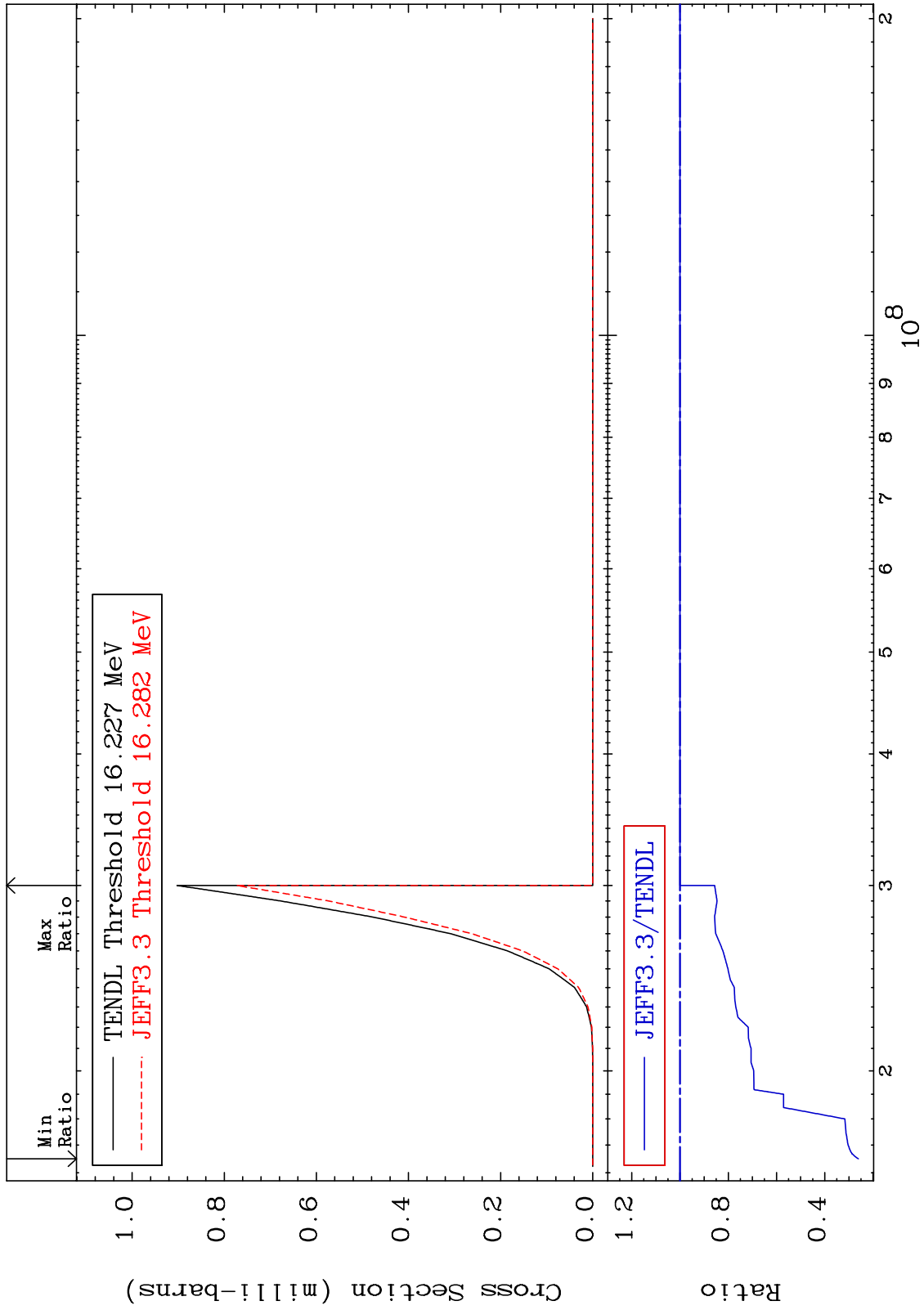
15-P -31

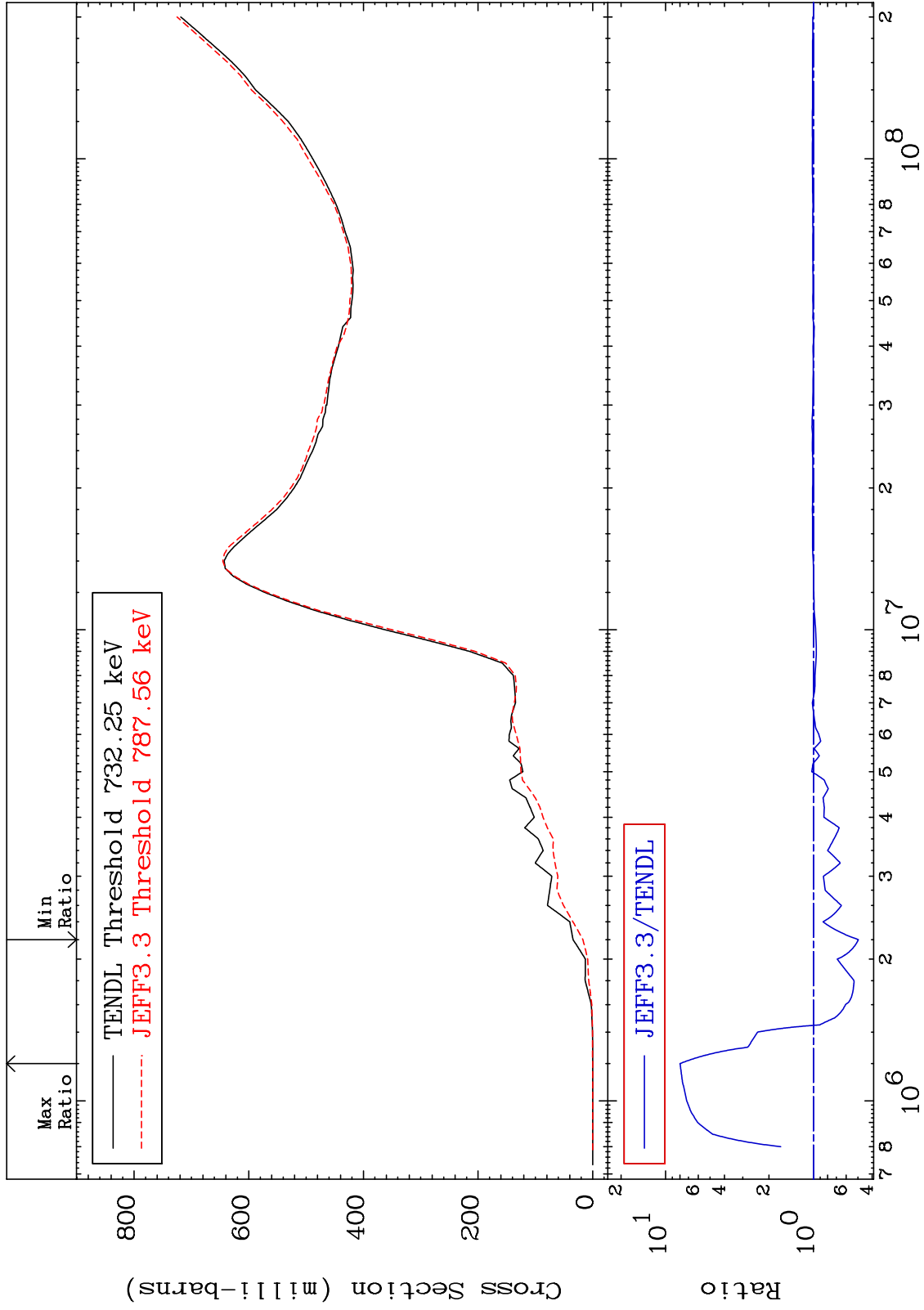
Cross Section

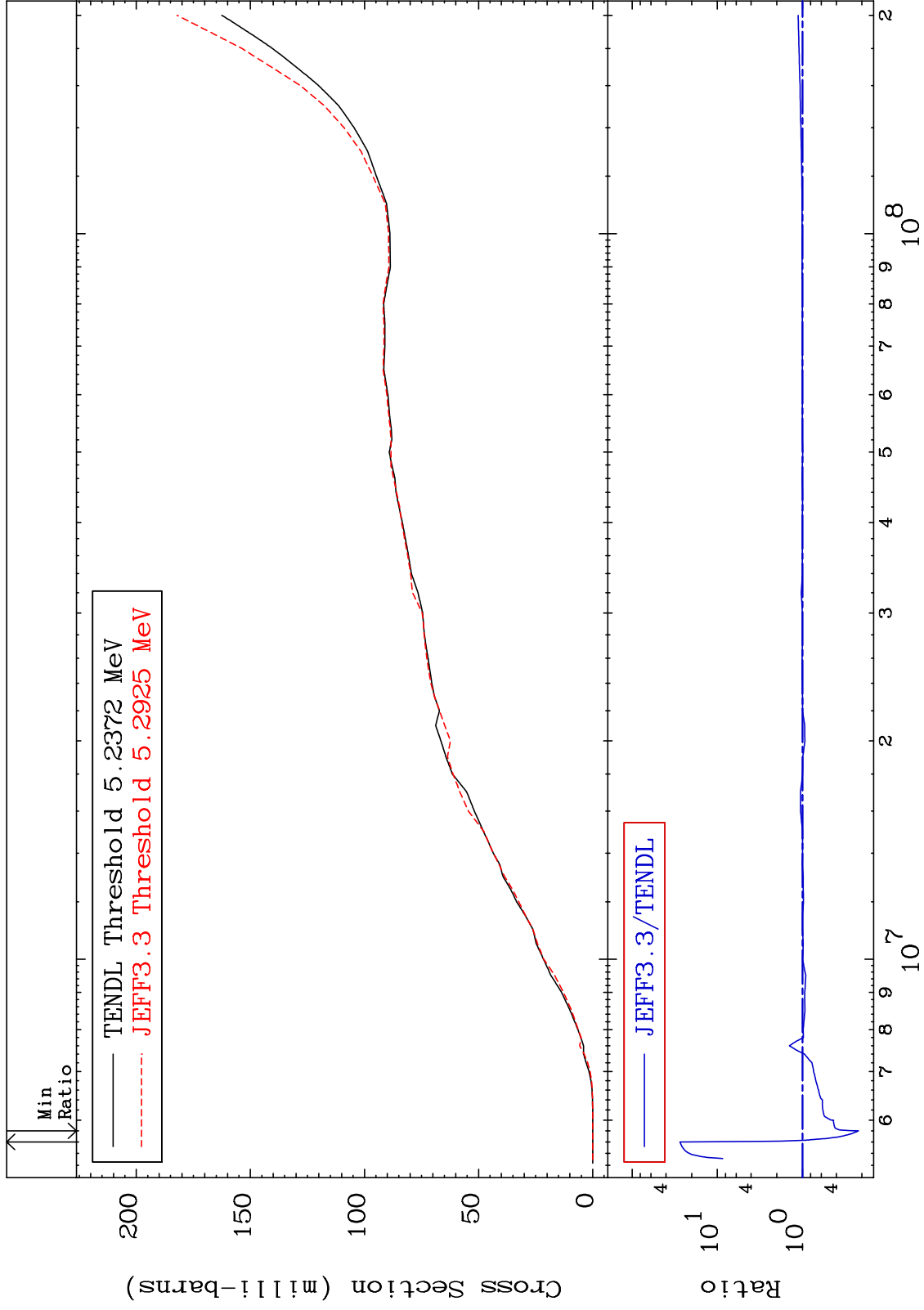
-18.41 To 0.000 %



MAT 1525 (n,d) α Cross Section 15-P -31
-73.94 To 0.000 %



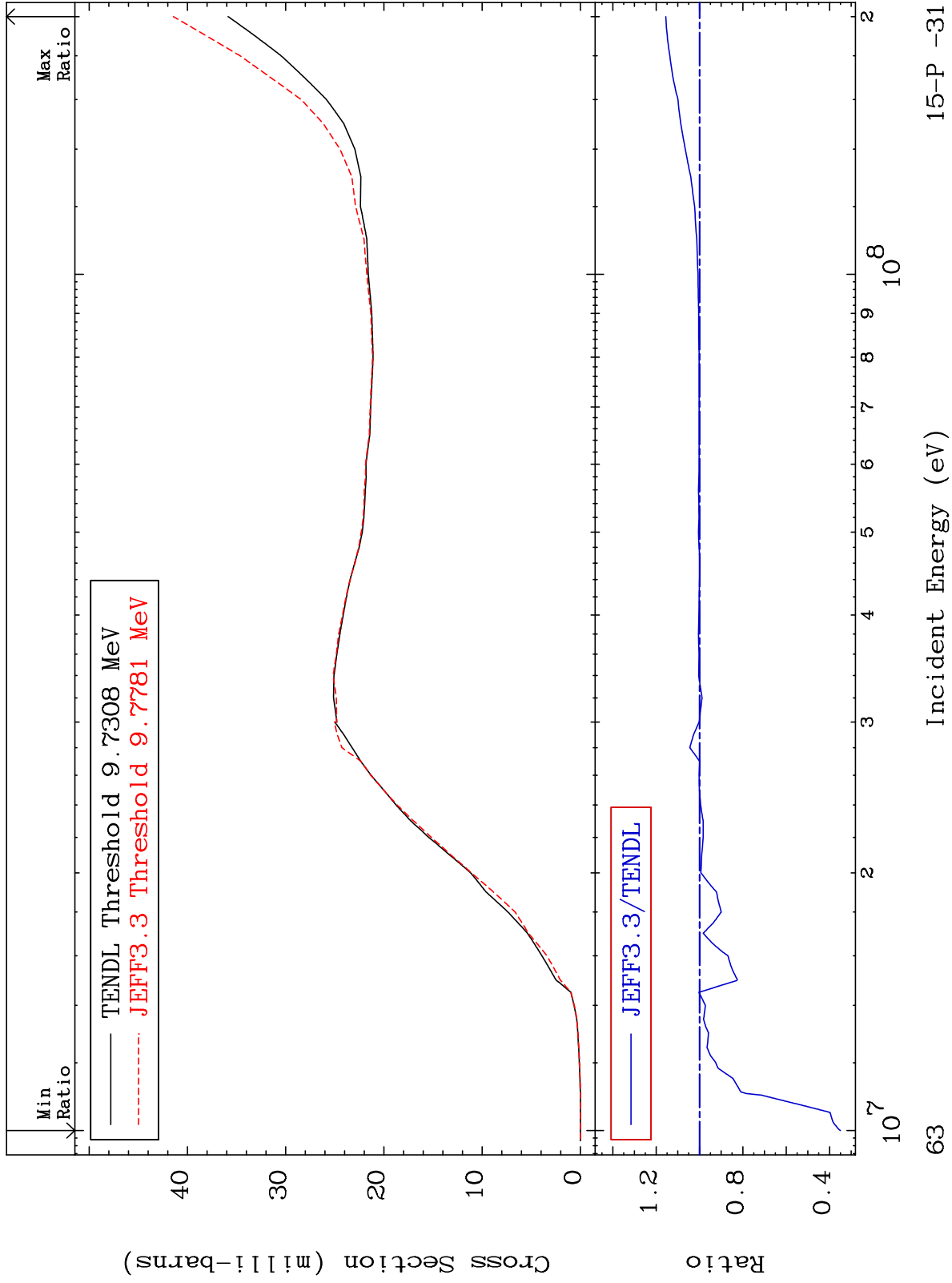




MAT 1525

Tritium Production
Cross Section

15-P -31
-65.05 To 15.53 %

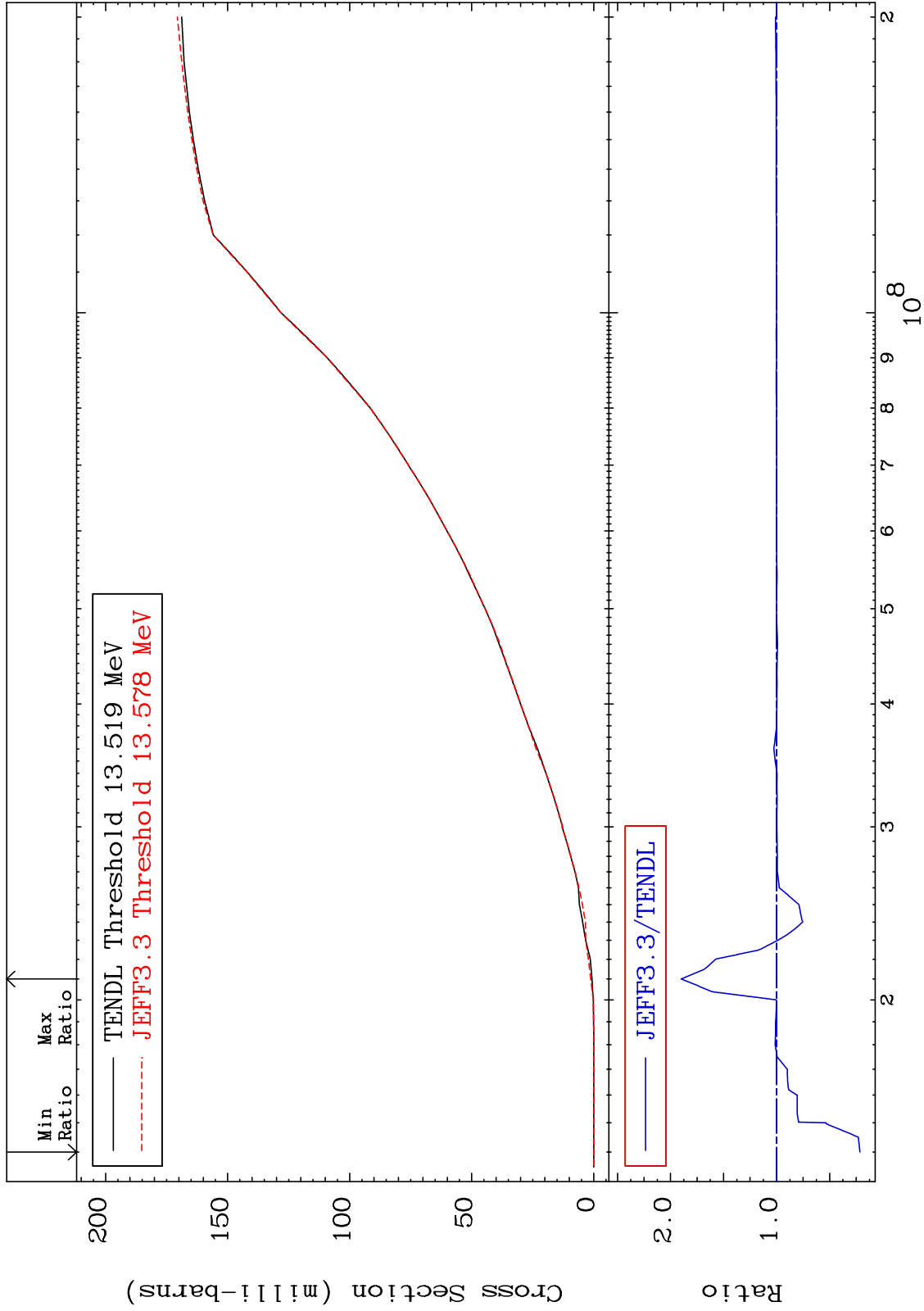


15-P -31

MAT 1525

He-3 Production
Cross Section

15-P -31
-78.56 To 89.92 %



64

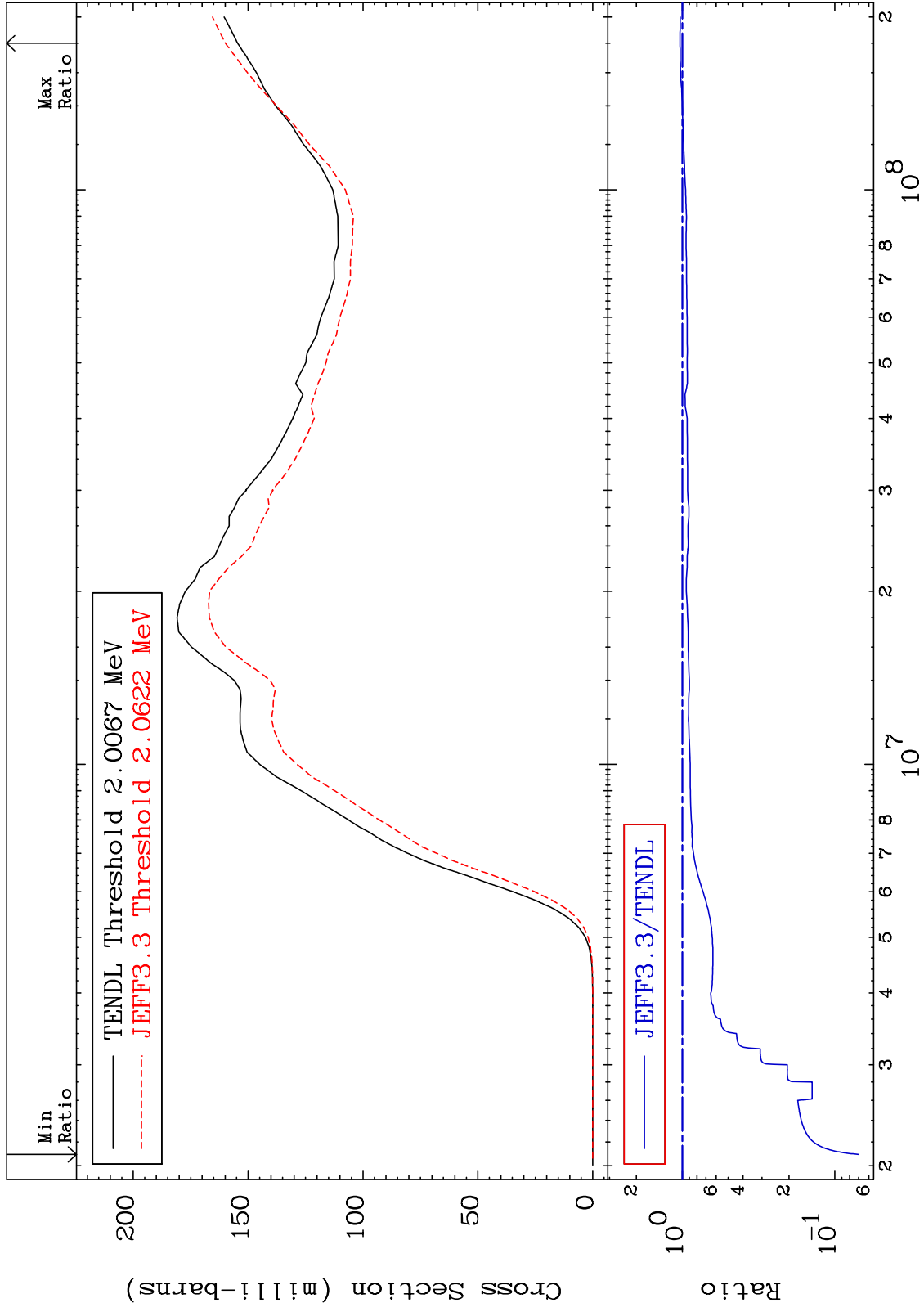
Incident Energy (eV)

15-P -31

MAT 1525

He-4 Production
Cross Section

15-P -31
-92.99 To 3.428 %



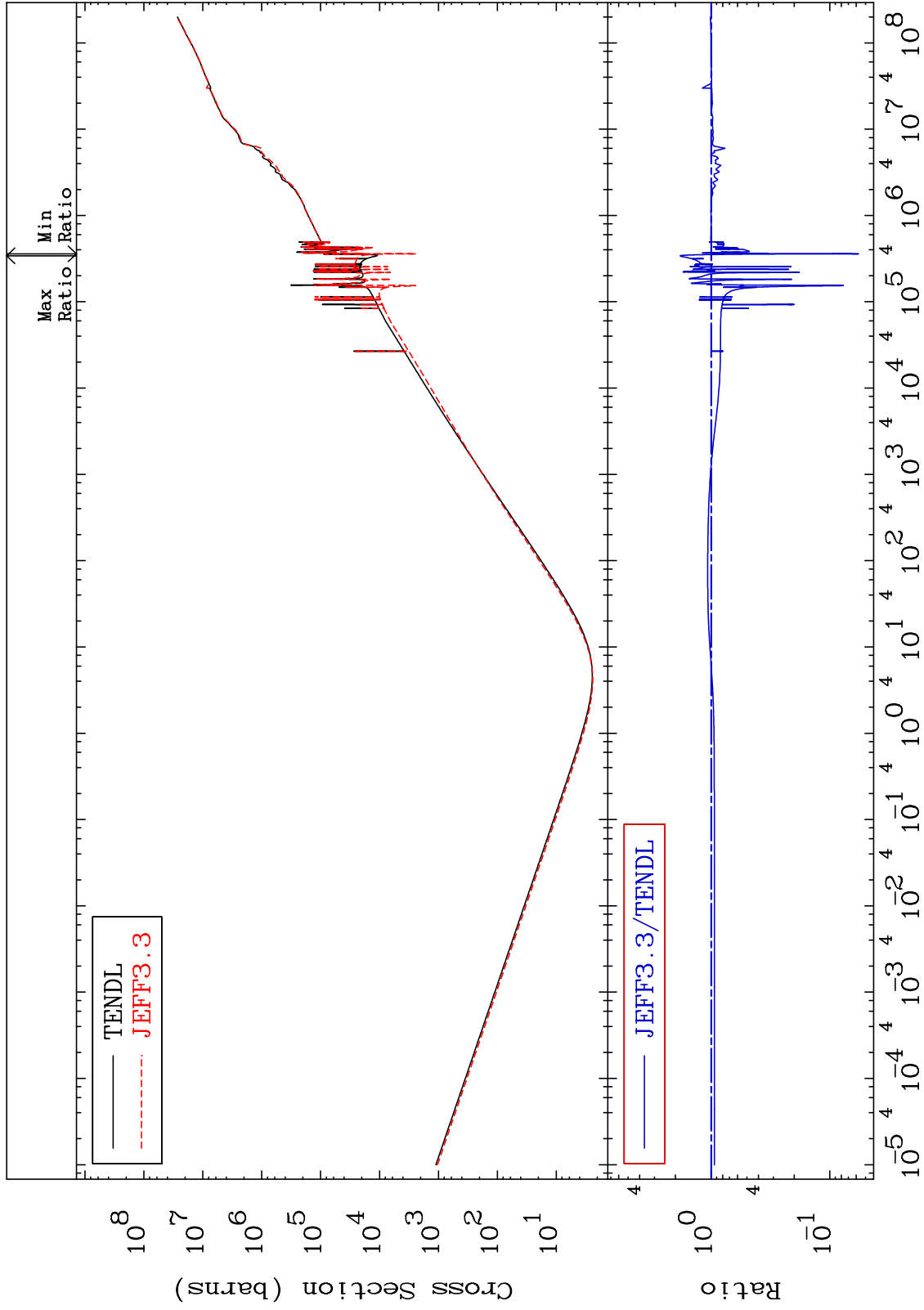
65

15-P -31

MAT 1525

Kerma total (eV-barns)
Cross Section

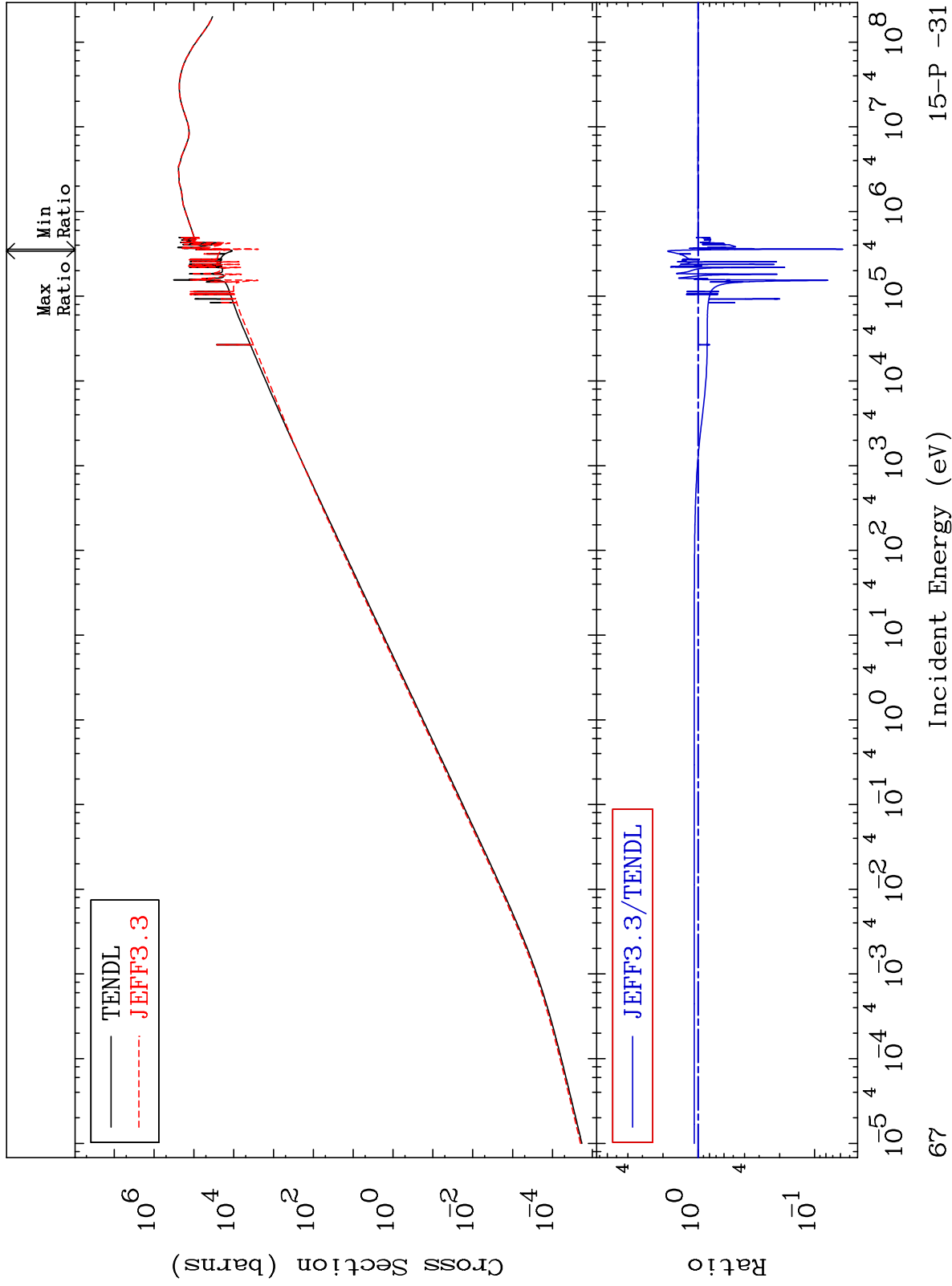
15-P -31
-94.25 To 82.86 %



MAT 1525

Kerma elastic
Cross Section

15-P -31
-94.25 To 82.86 %



67

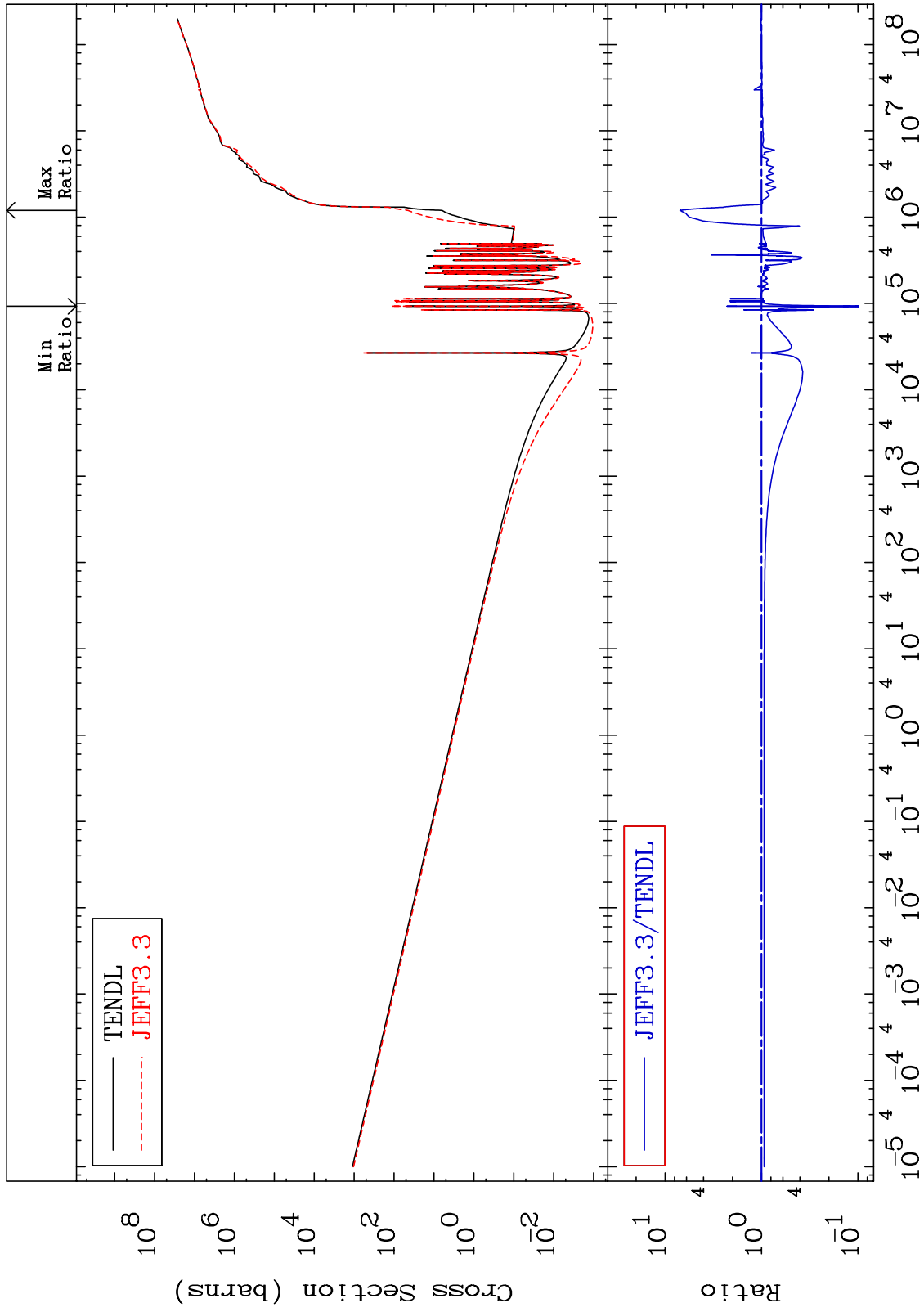
Incident Energy (eV)

15-P -31

MAT 1525

Kerma non-elastic (all but mt2)
Cross Section

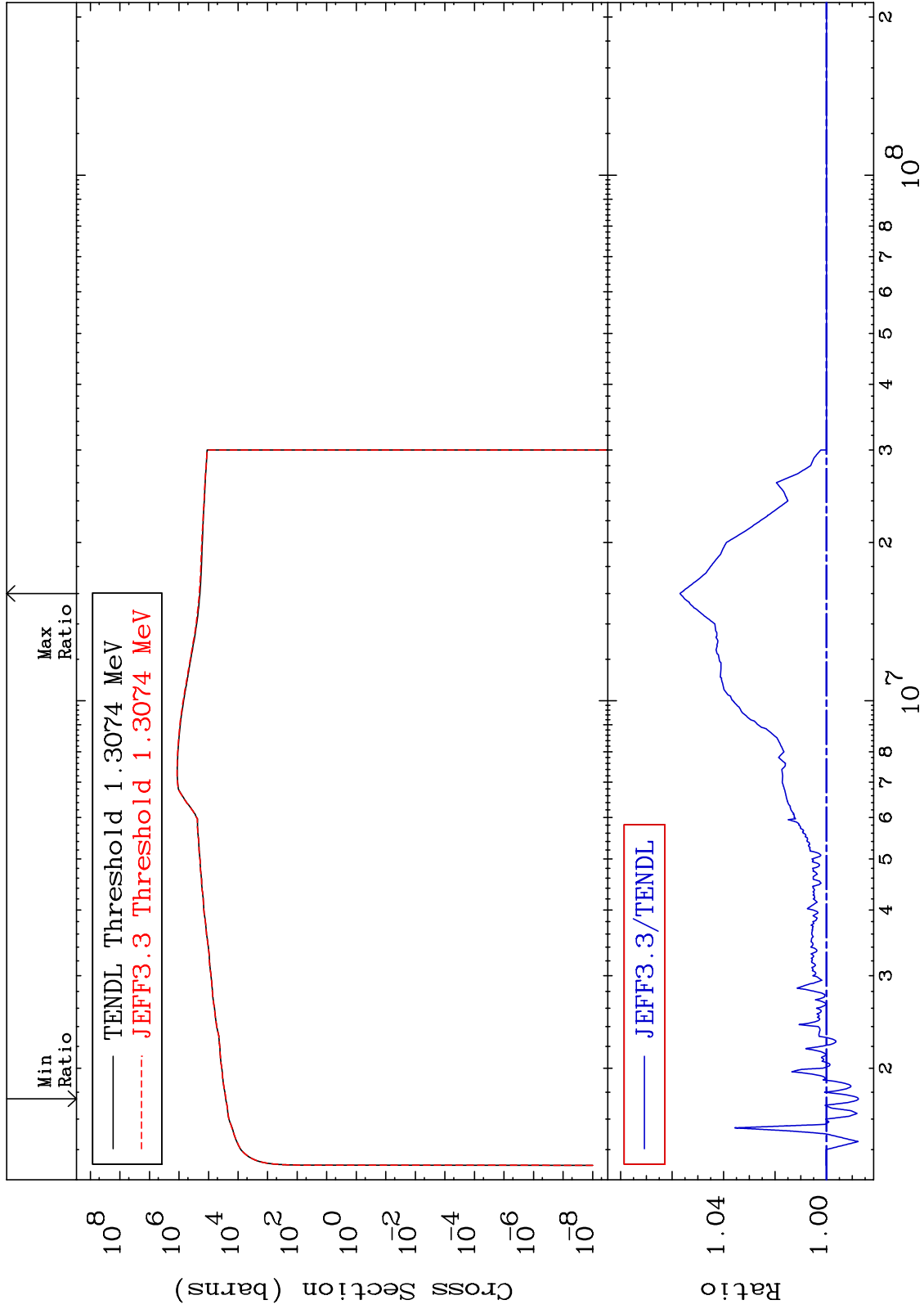
15-P -31
-90.10 To 601.2 %



MAT 1525

Kerma inelastic (mt51-91)
Cross Section

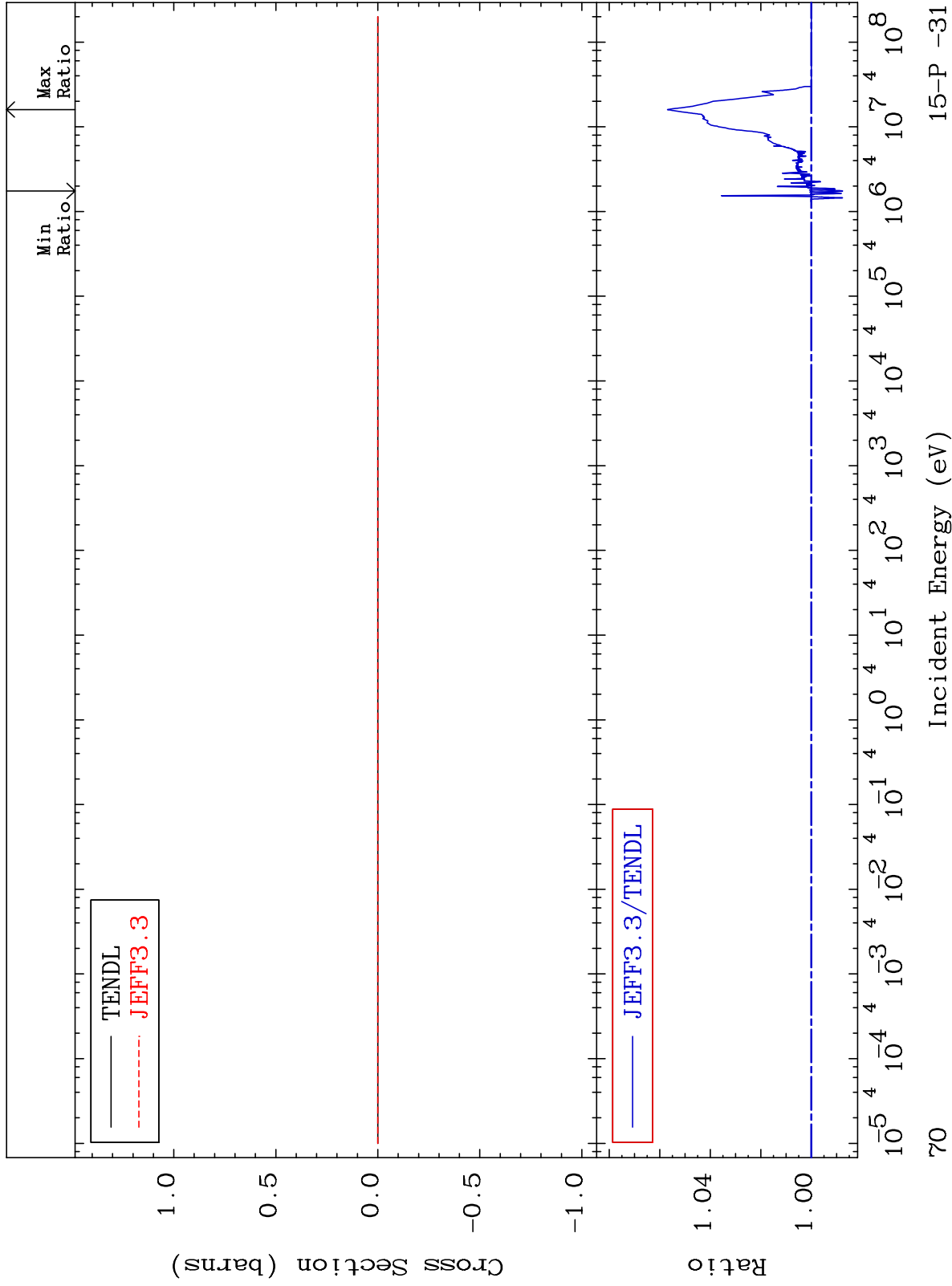
15-P -31
-1.243 To 5.690 %



MAT 1525

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

15-P -31
-1.243 To 5.690 %



70

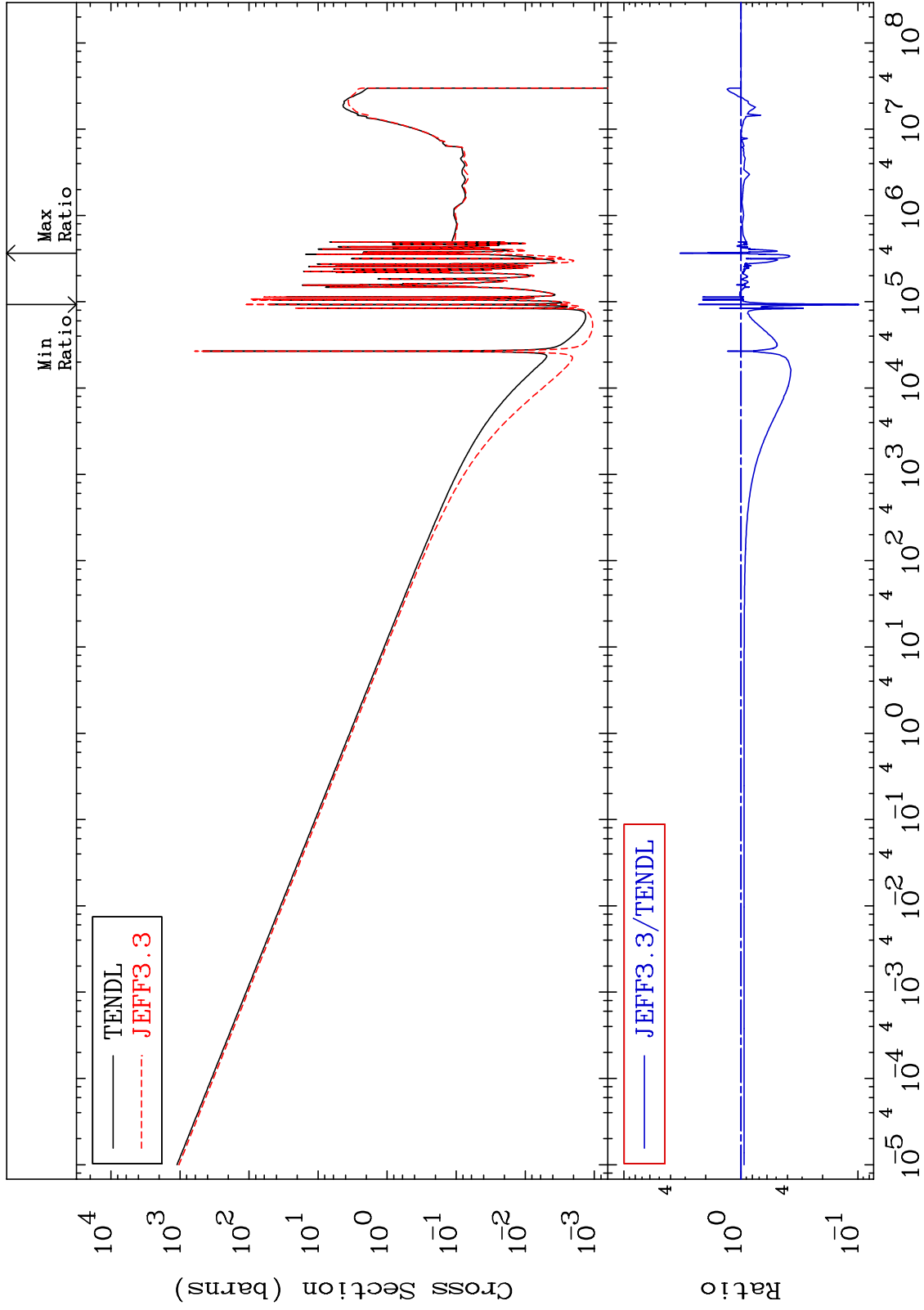
Incident Energy (eV)

15-P -31

MAT 1525

Kerma capture (mt102)
Cross Section

15-P -31
-90.10 To 231.8 %



71

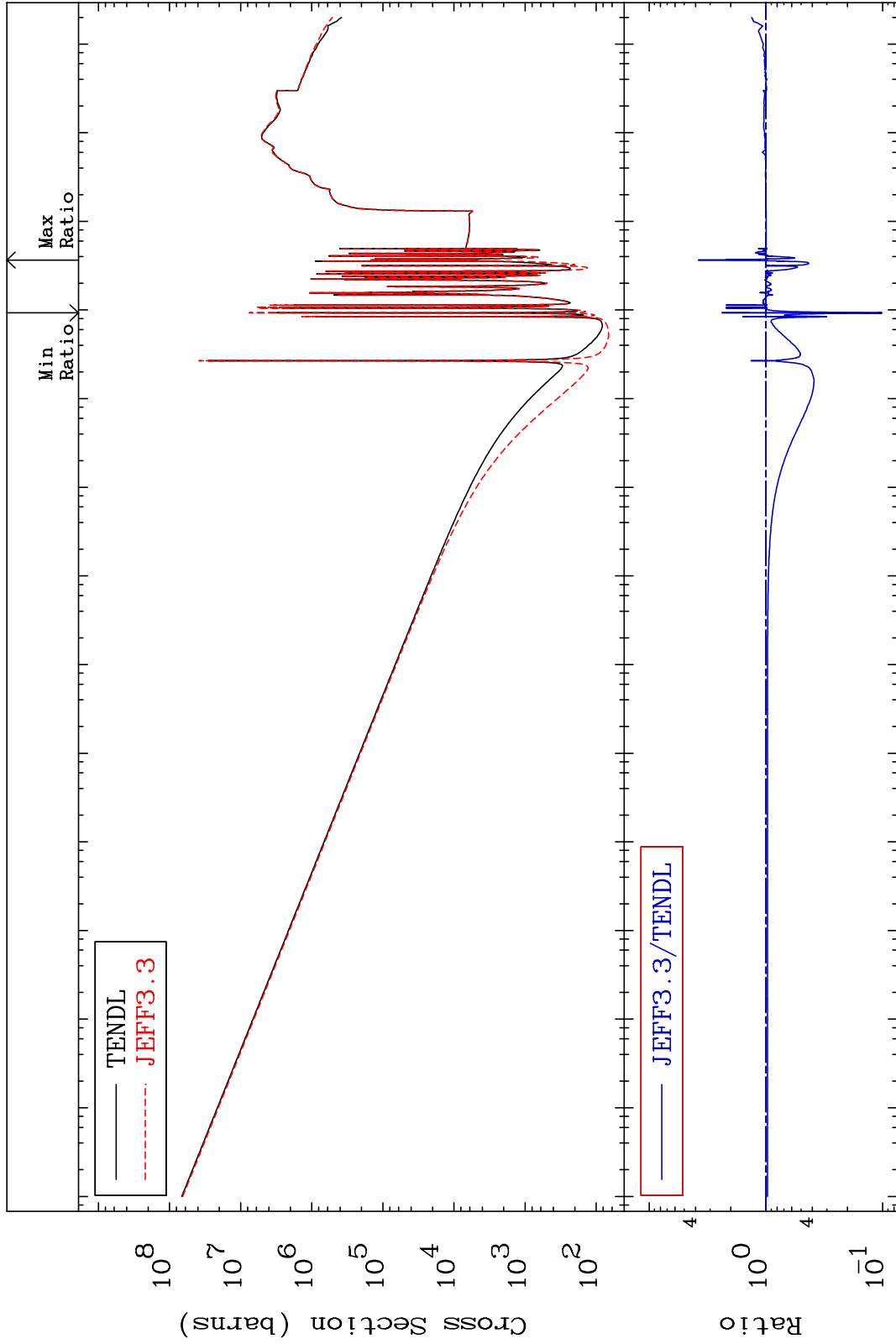
Incident Energy (eV)

15-P -31

MAT 1525

Total photon (eV-barns)
Cross Section

15-P -31
-89.79 To 278.7 %



72

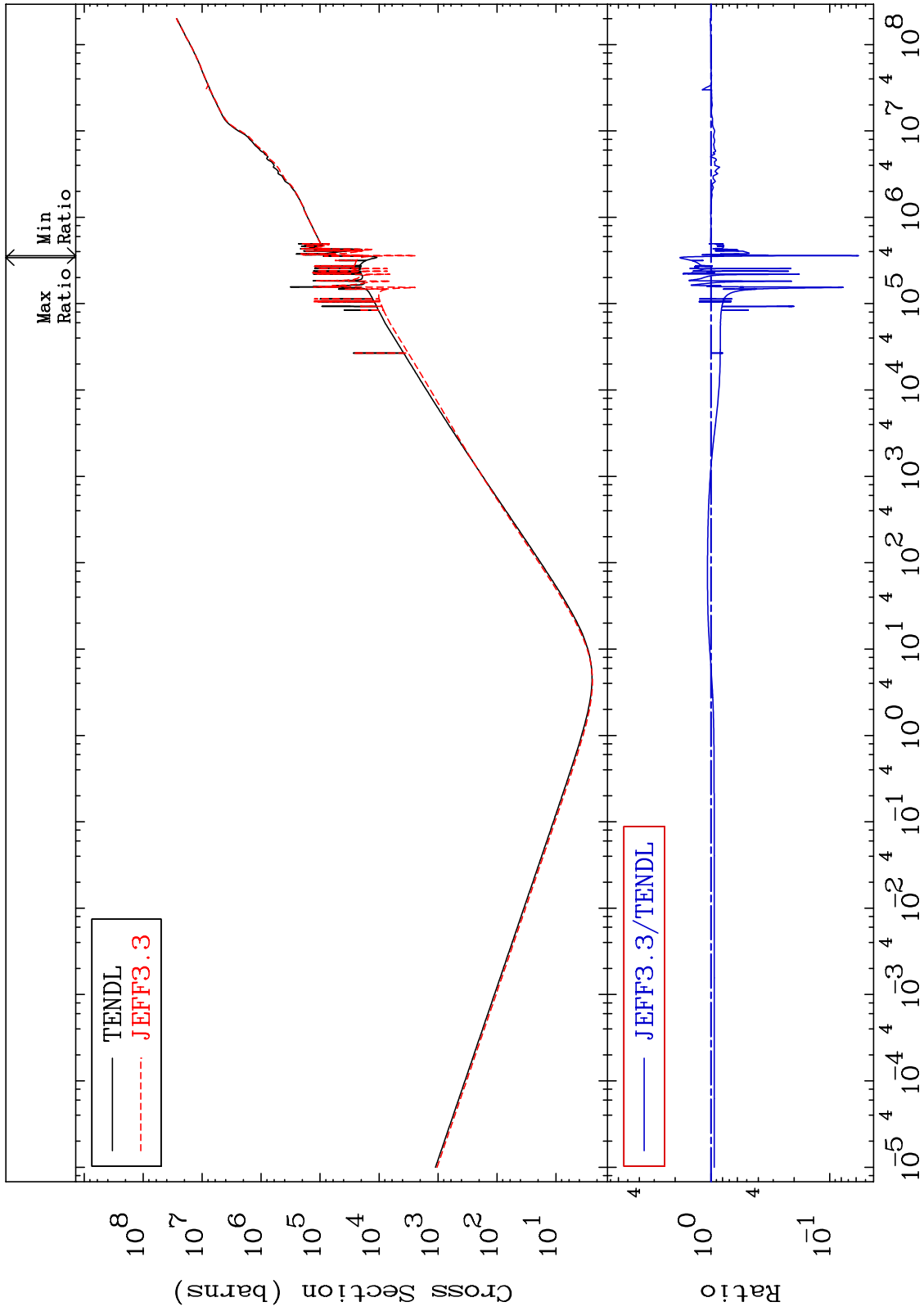
Incident Energy (eV)

15-P -31

MAT 1525

Total kinematic kerma (high limit)
Cross Section

15-P -31
-94.25 To 82.86 %



73

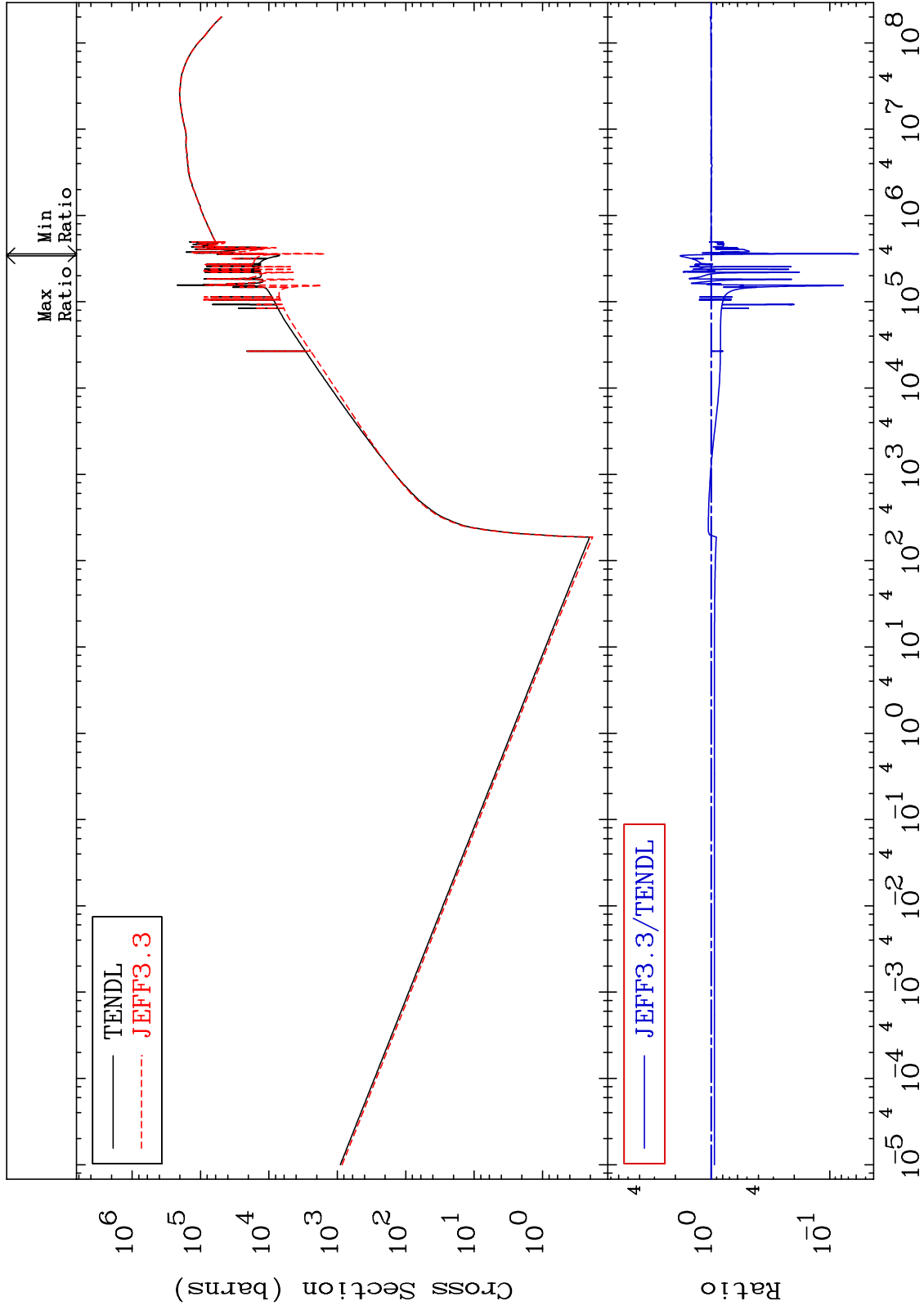
Incident Energy (eV)

15-P -31

MAT 1525

Dpa total (eV-barns)
Cross Section

15-P -31
-94.25 To 82.86 %



74

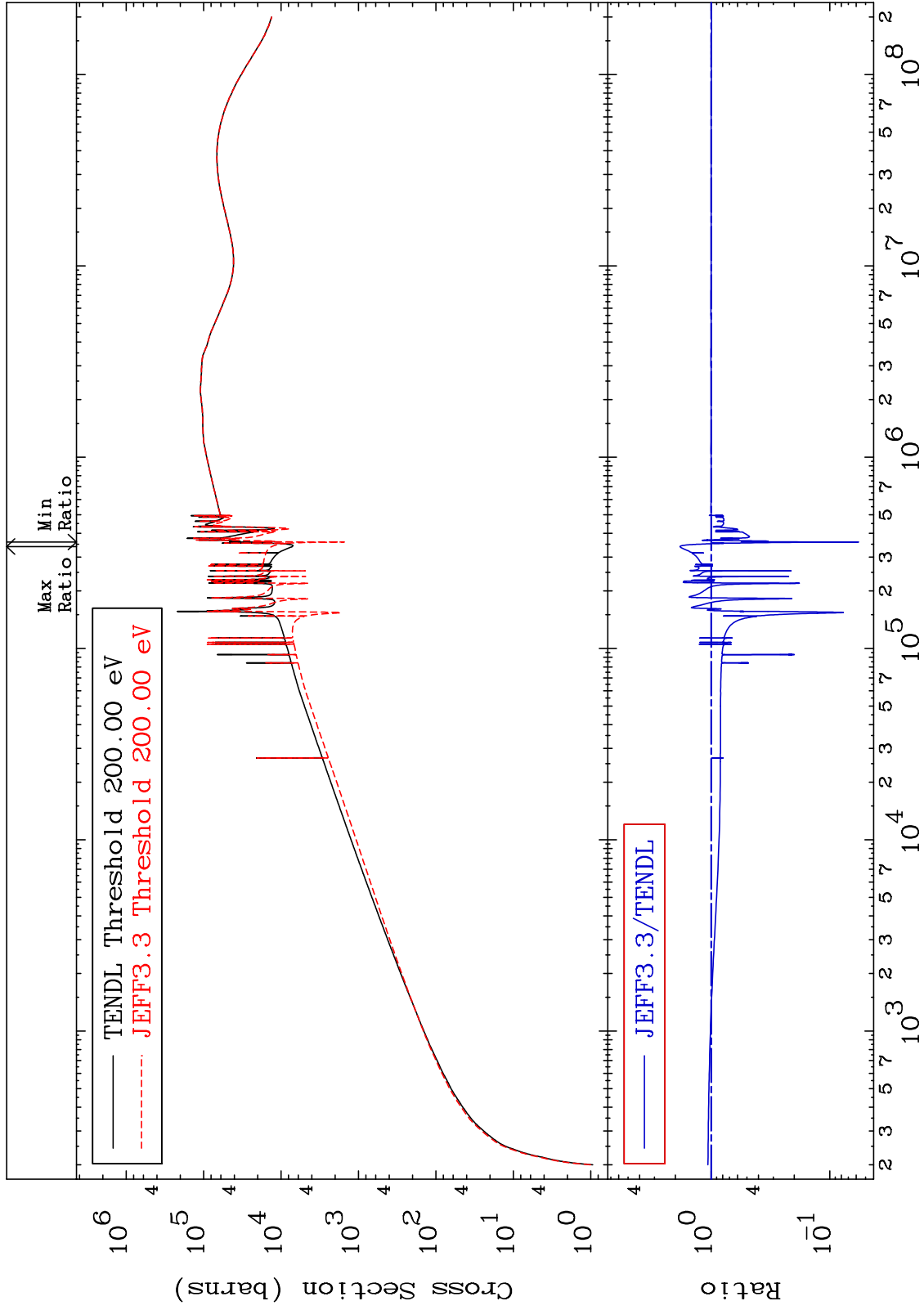
Incident Energy (eV)

15-P -31

MAT 1525

Dpa elastic (mt2)
Cross Section

15-P -31
-94.25 To 82.86 %



75

Incident Energy (eV)

15-P -31

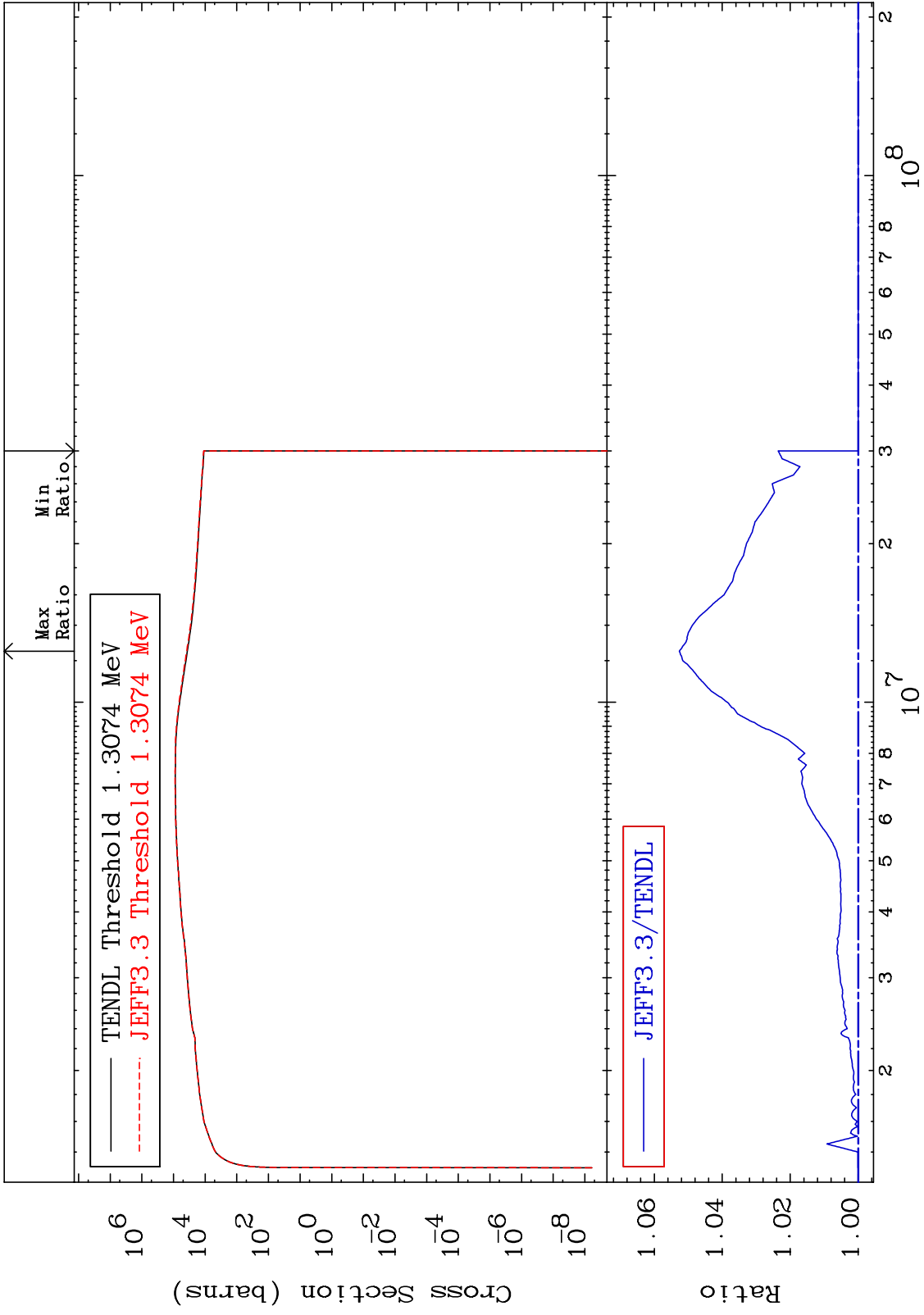
MAT 1525

Dpa inelastic (mt51-91)

15-P -31

0.000 To 5.262 %

Cross Section



76

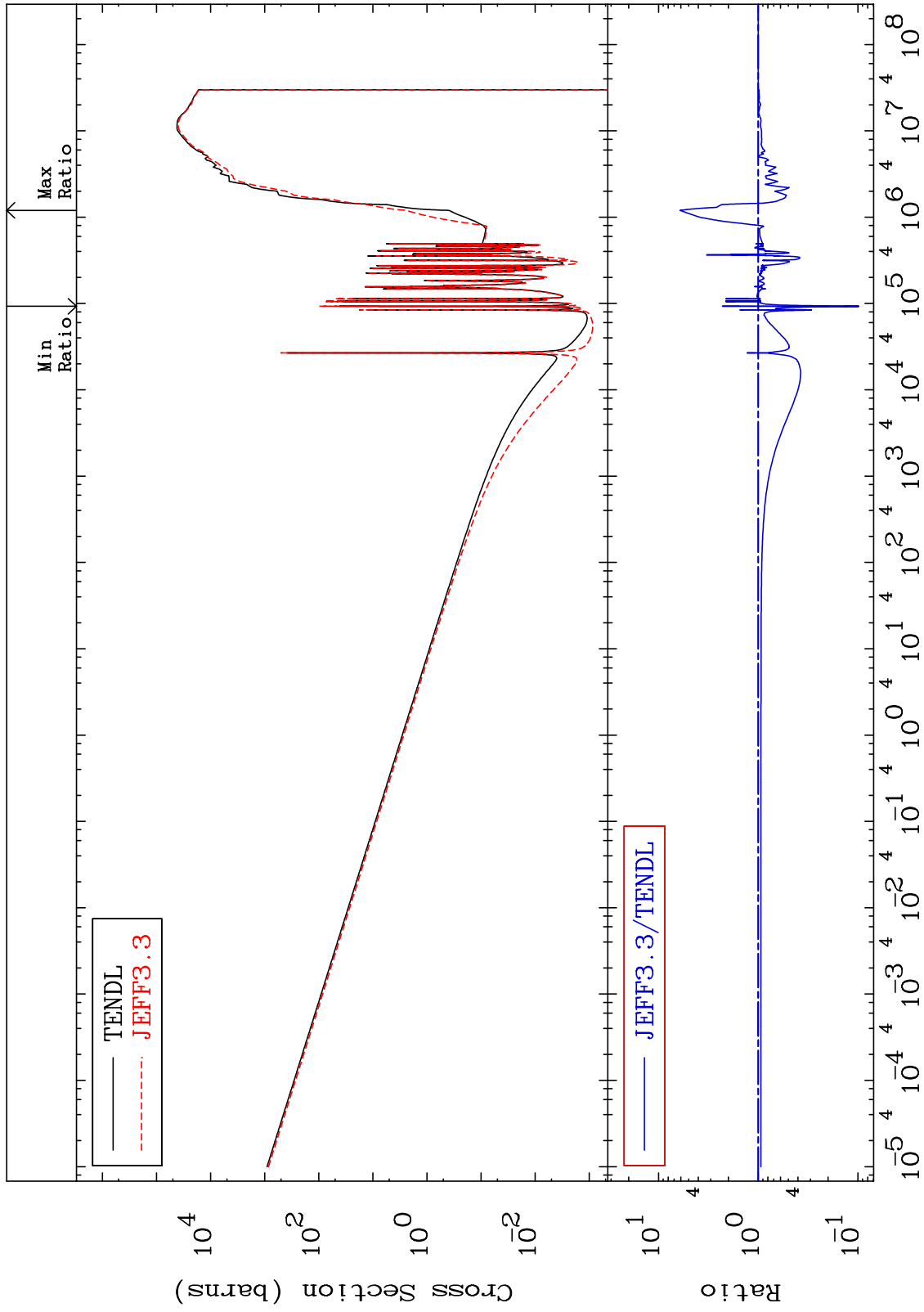
Incident Energy (eV)

15-P -31

MAT 1525

Dpa disappearance (mt102 -120)
Cross Section

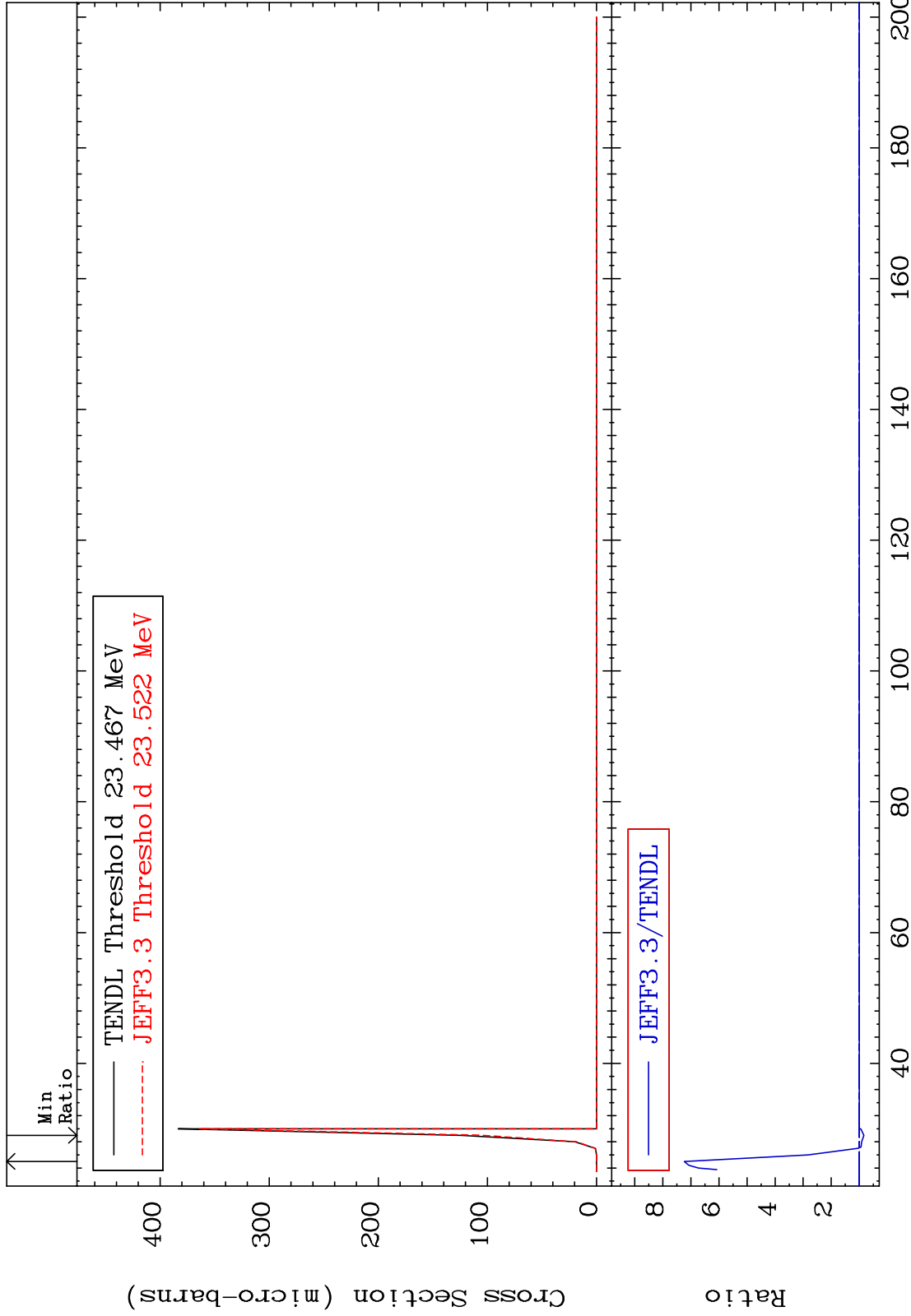
15-P -31
-90.10 To 509.8 %



77

Incident Energy (eV)

15-P -31



Radionuclide Production Cross Section -15.33 To 7337. %

