

Program Complot
(Version 2018-1)

by

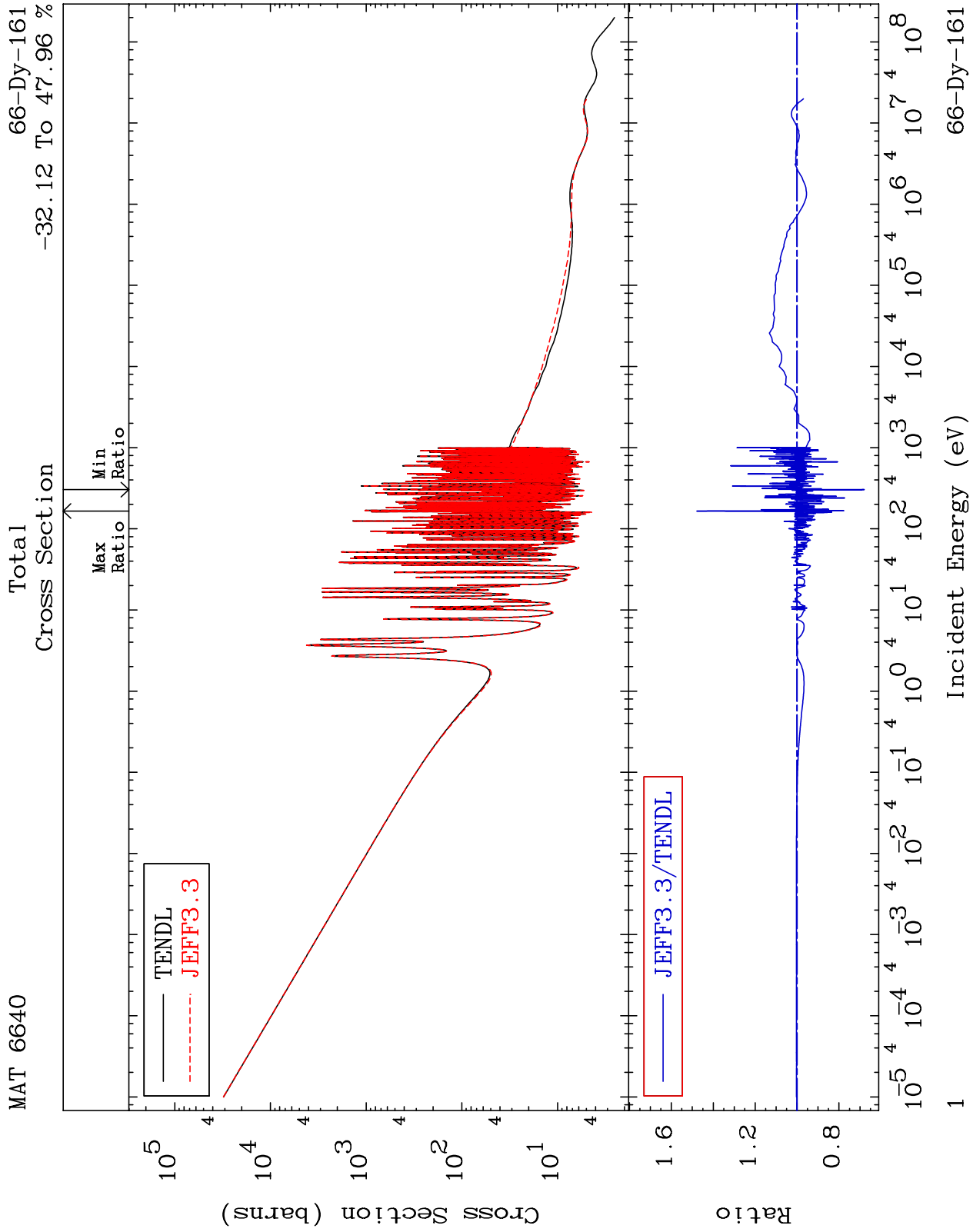
Dermott E. Cullen
(Present Contact Information)

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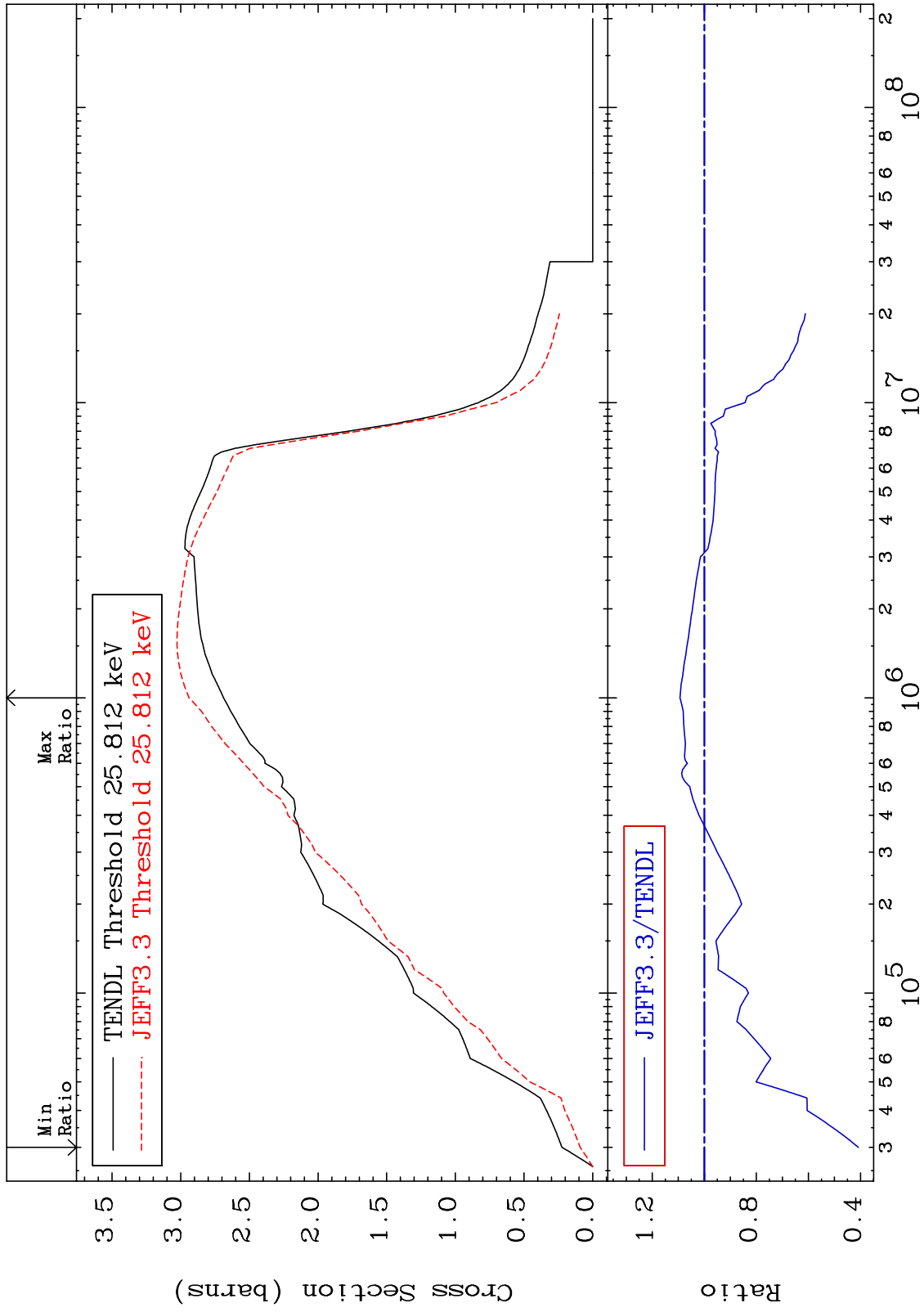
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E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start



MAT 6640 Inelastic Cross Section 66-Dy-161 -59.20 To 9.343 %



3 66-Dy-161

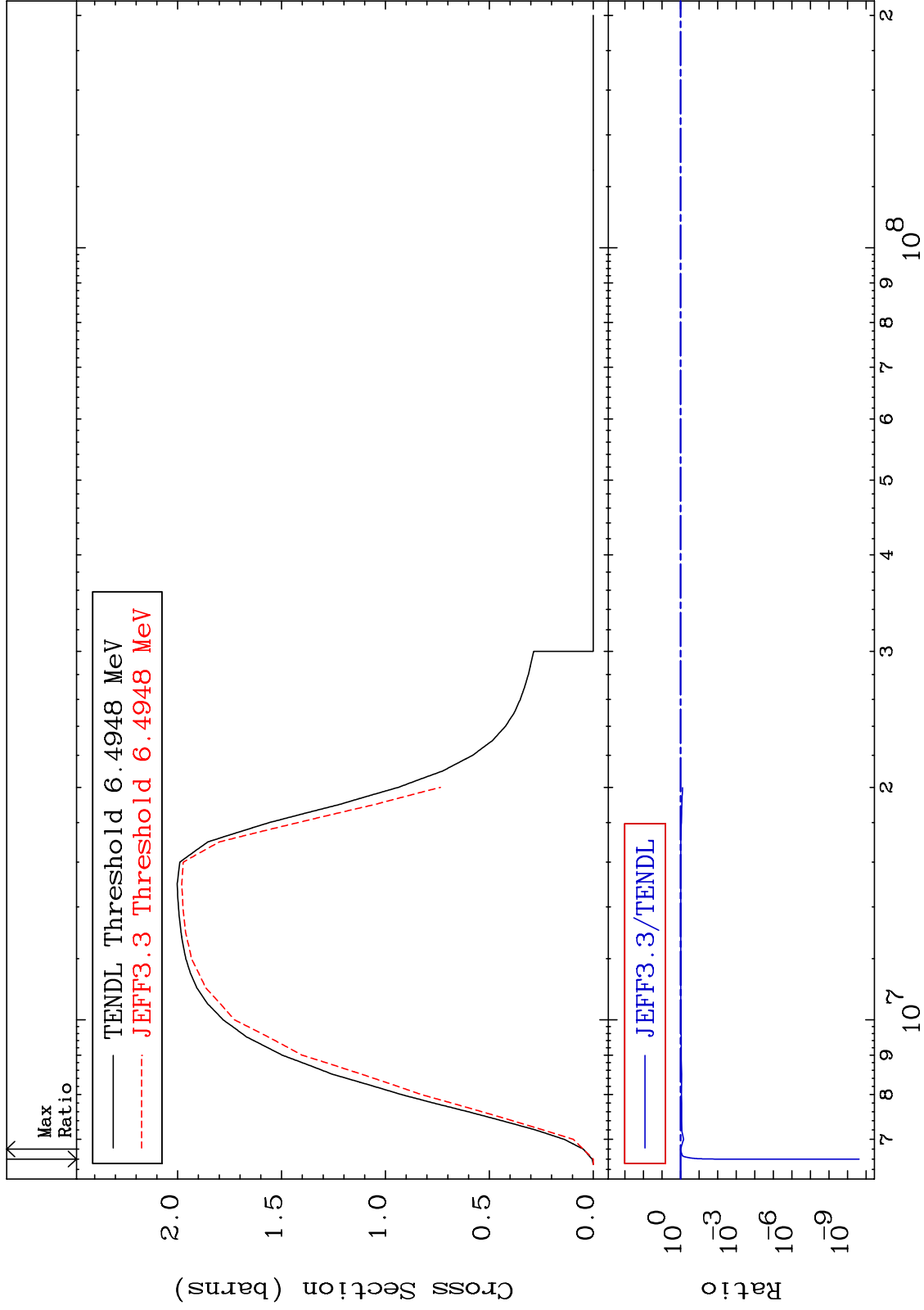
MAT 6640

(n, 2n)

66-Dy-161

Cross Section

-100.0 To -0.179%



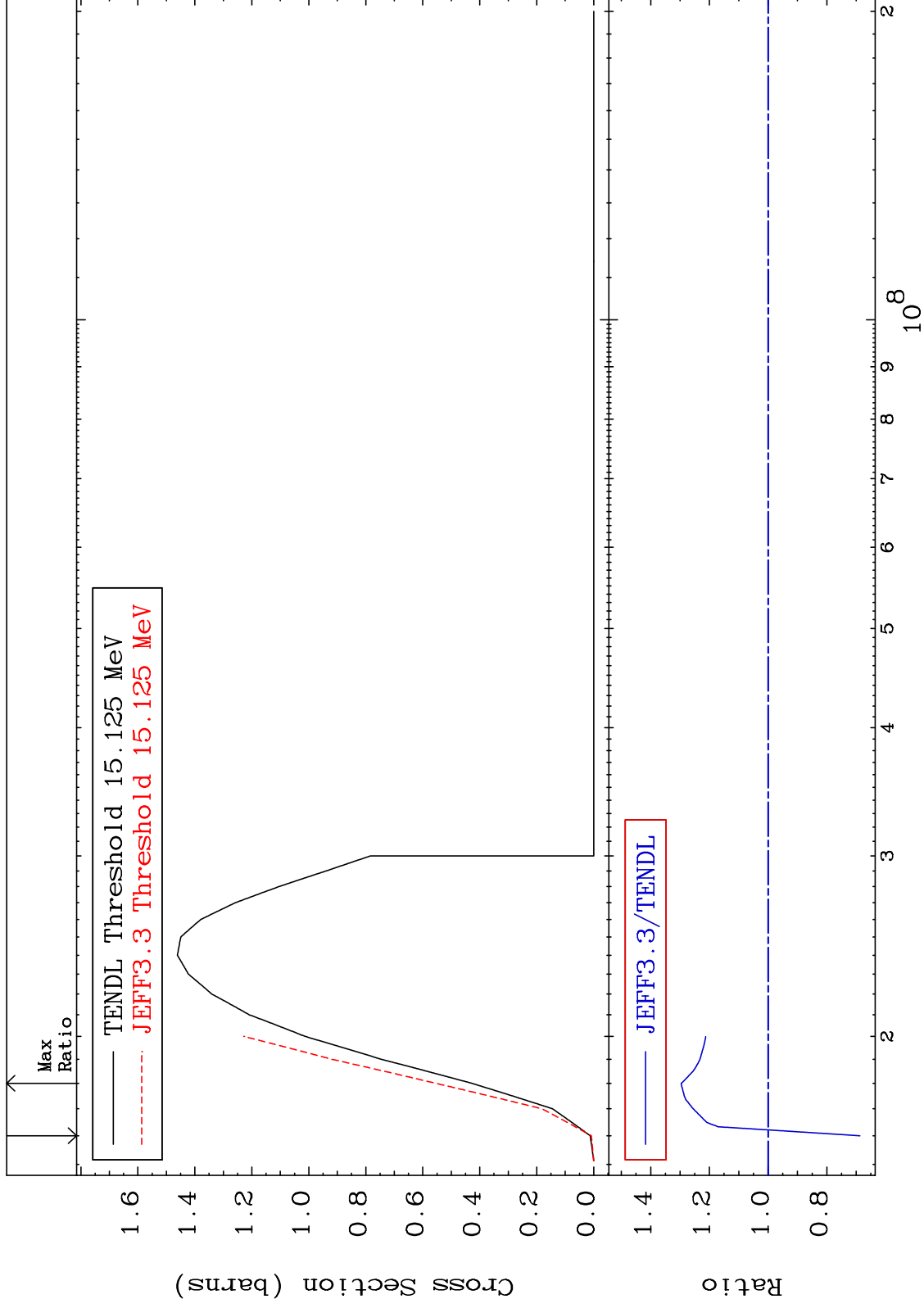
MAT 6640

(n, 3n)

66-Dy-161

Cross Section

-31.27 To 29.60 %



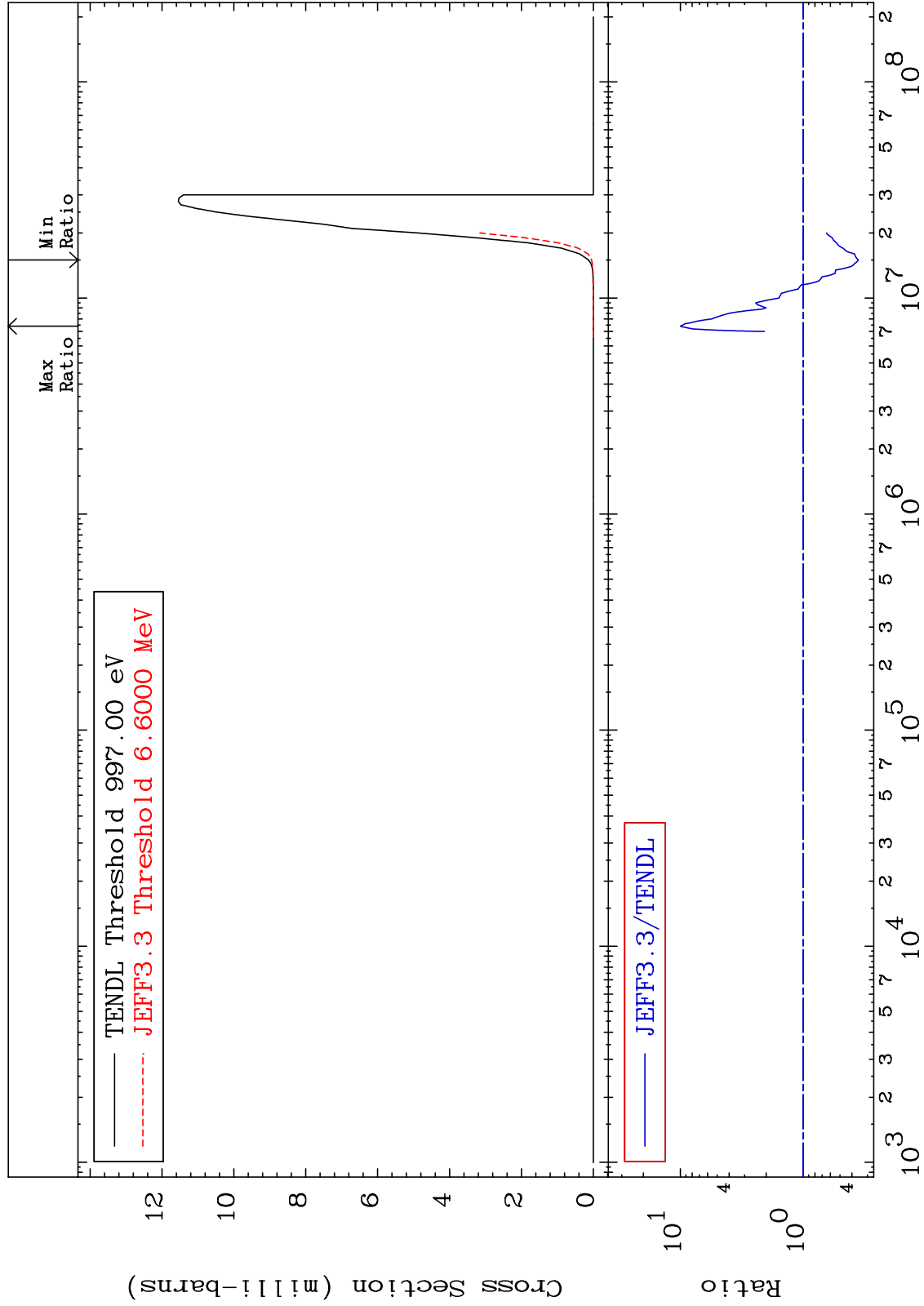
MAT 6640

(n, n') α

66-Dy-161

Cross Section

-64.64 To 897.2 %



Incident Energy (eV)

66-Dy-161

MAT 6640

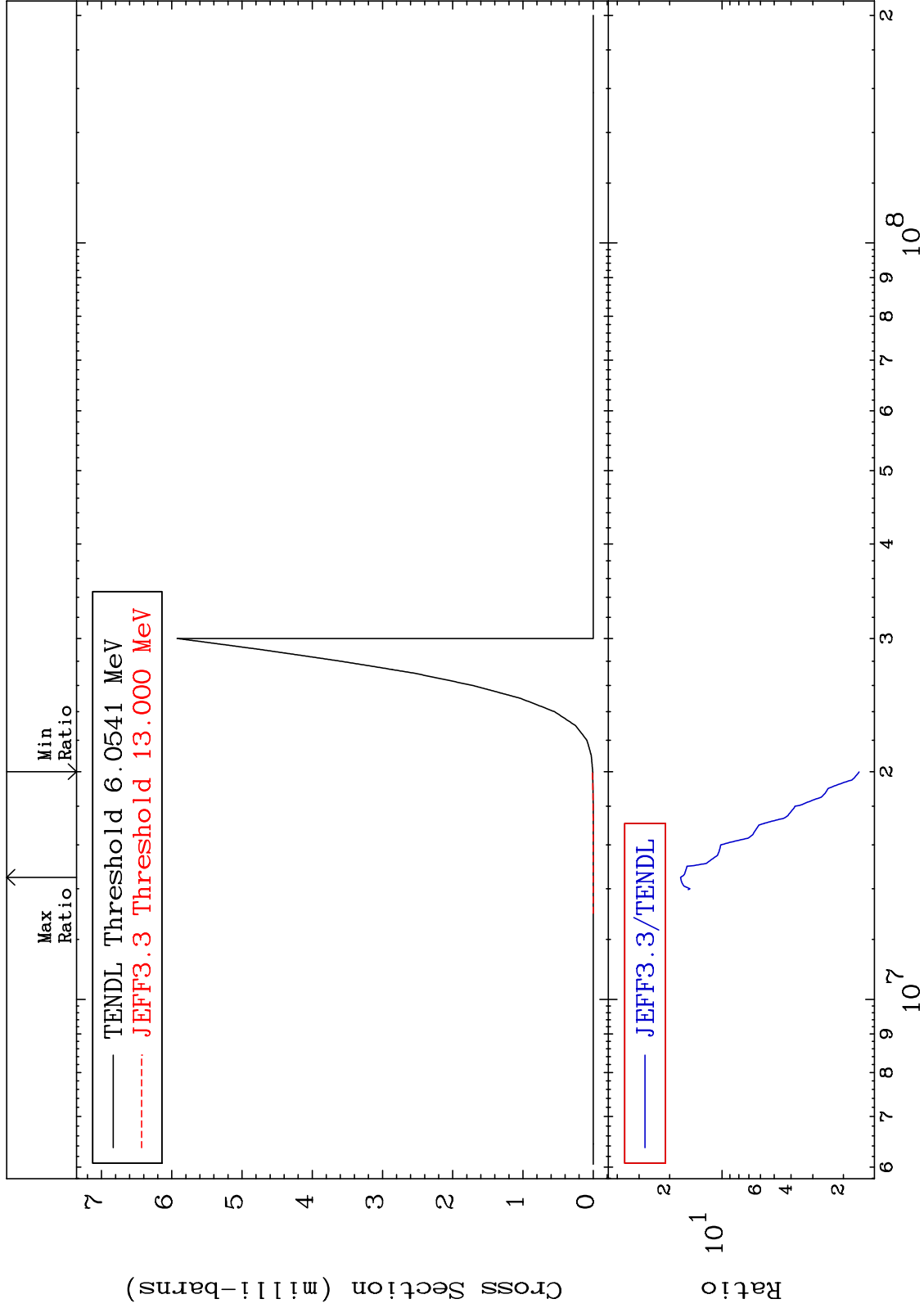
(n,2n) α

66-Dy-161

Cross Section

62.25

To 1629. %



7

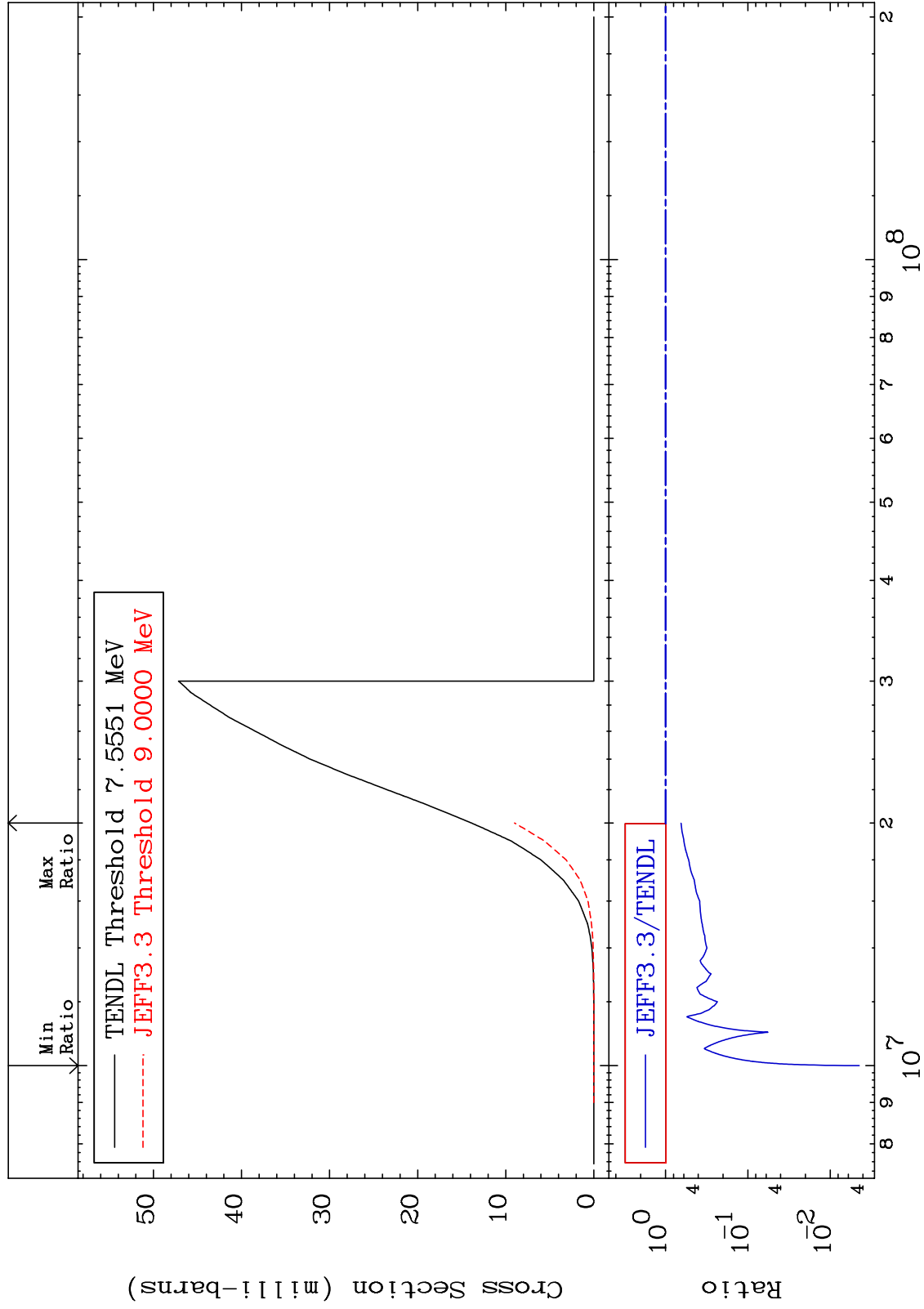
Incident Energy (eV)

66-Dy-161

MAT 6640

(n, n') p
Cross Section

66-Dy-161
-99.56 To -35.27%



8

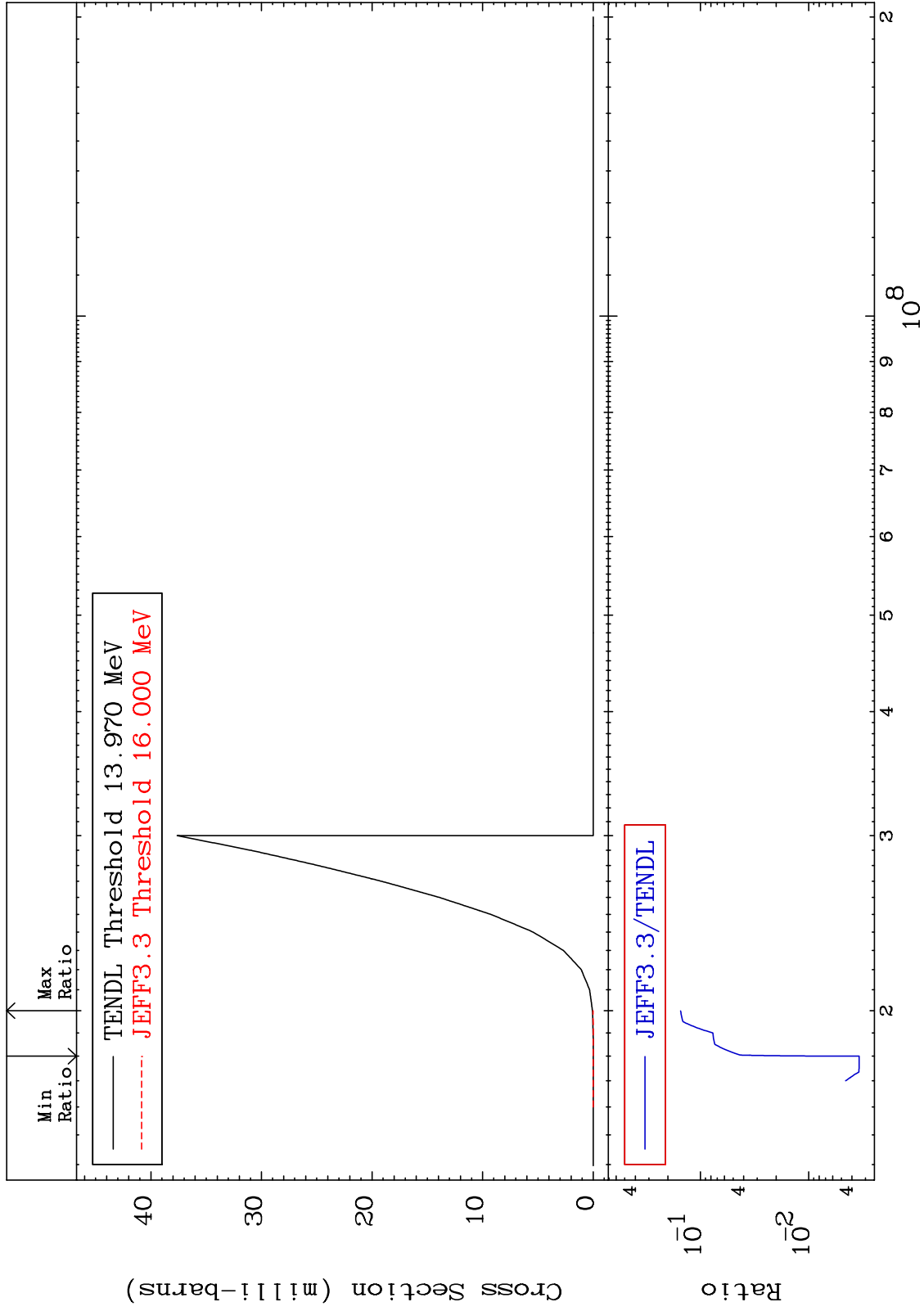
Incident Energy (eV)

66-Dy-161

MAT 6640

(n,2n) p
Cross Section

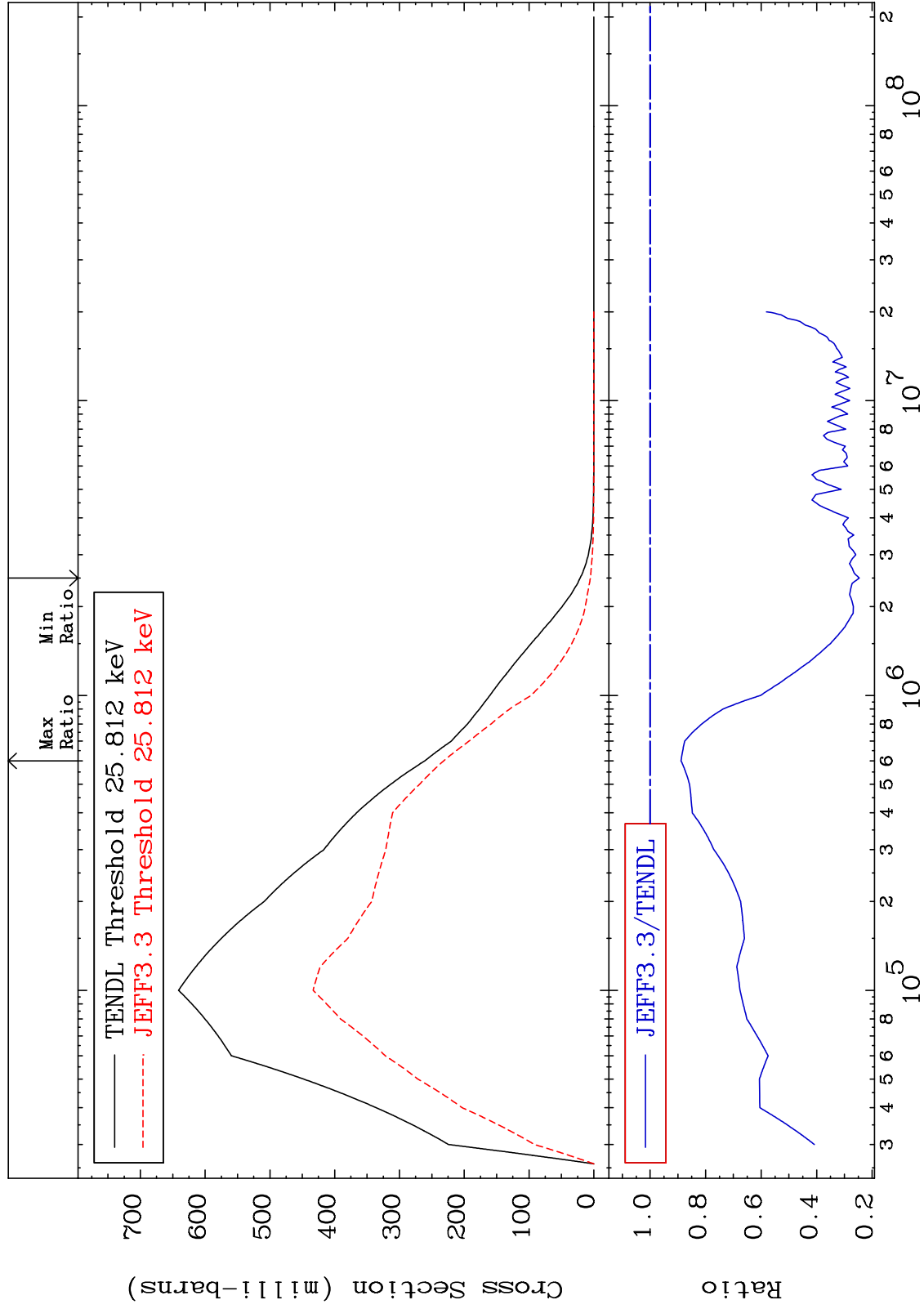
66-Dy-161
-99.66 To -84.75%



MAT 6640

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

66-Dy-161
-75.35 To -11.15%



10

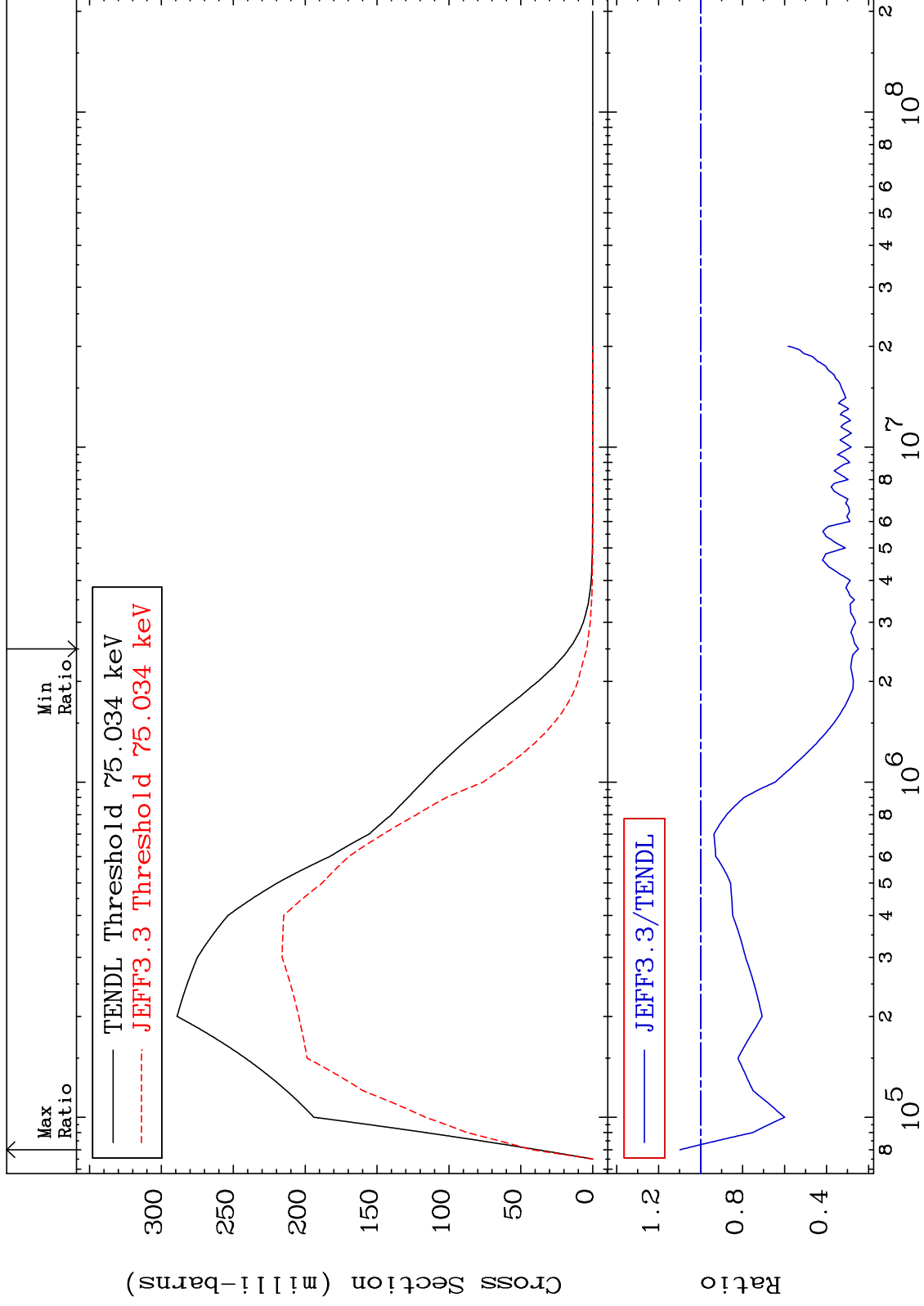
Incident Energy (eV)

66-Dy-161

MAT 6640

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

66-Dy-161
-75.17 To 9.807 %



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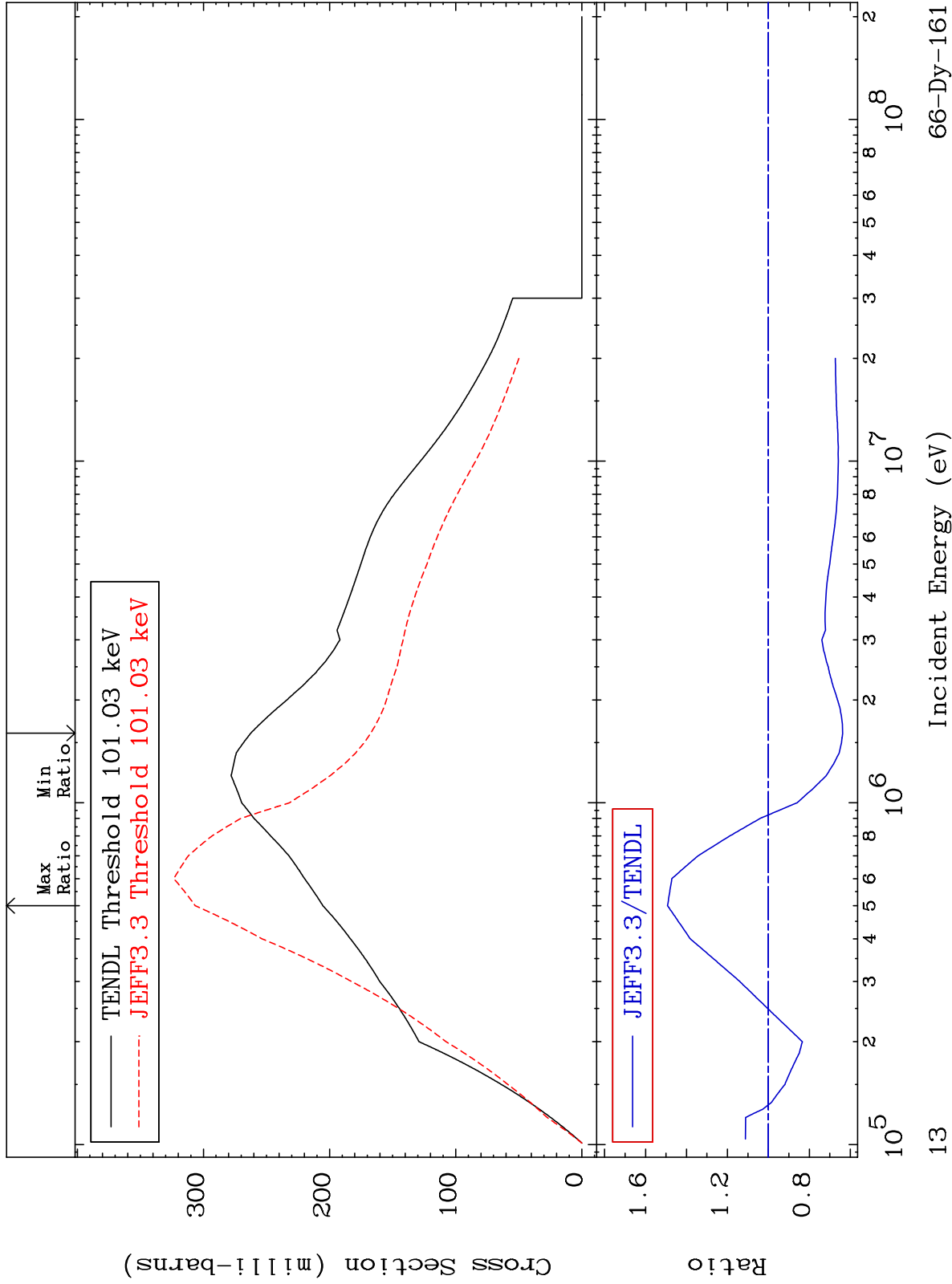
Incident Energy (eV)

66-Dy-161

MAT 6640

MT= 54 (n,n') Level
Cross Section

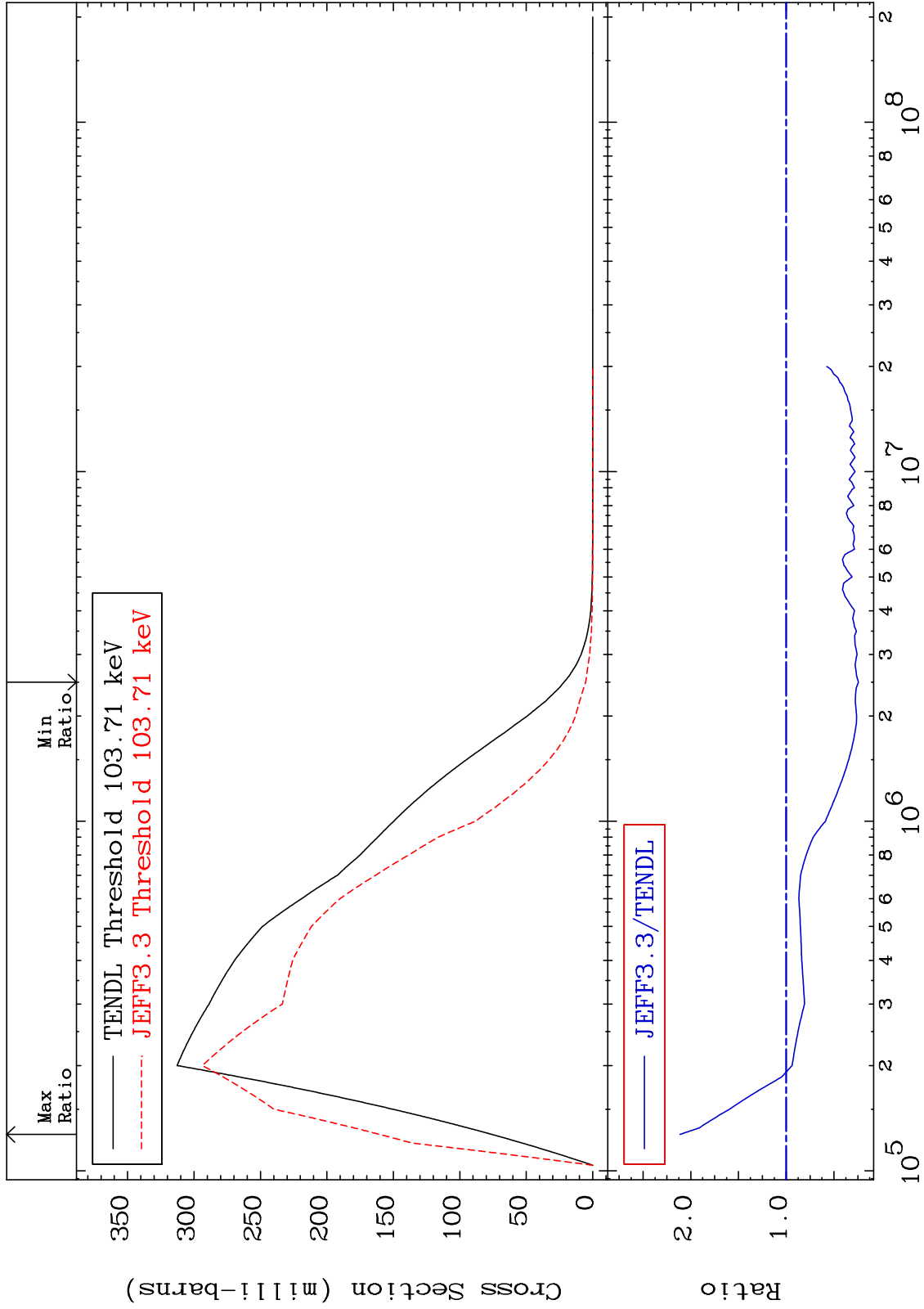
66-Dy-161
-36.27 To 49.25 %



MAT 6640

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

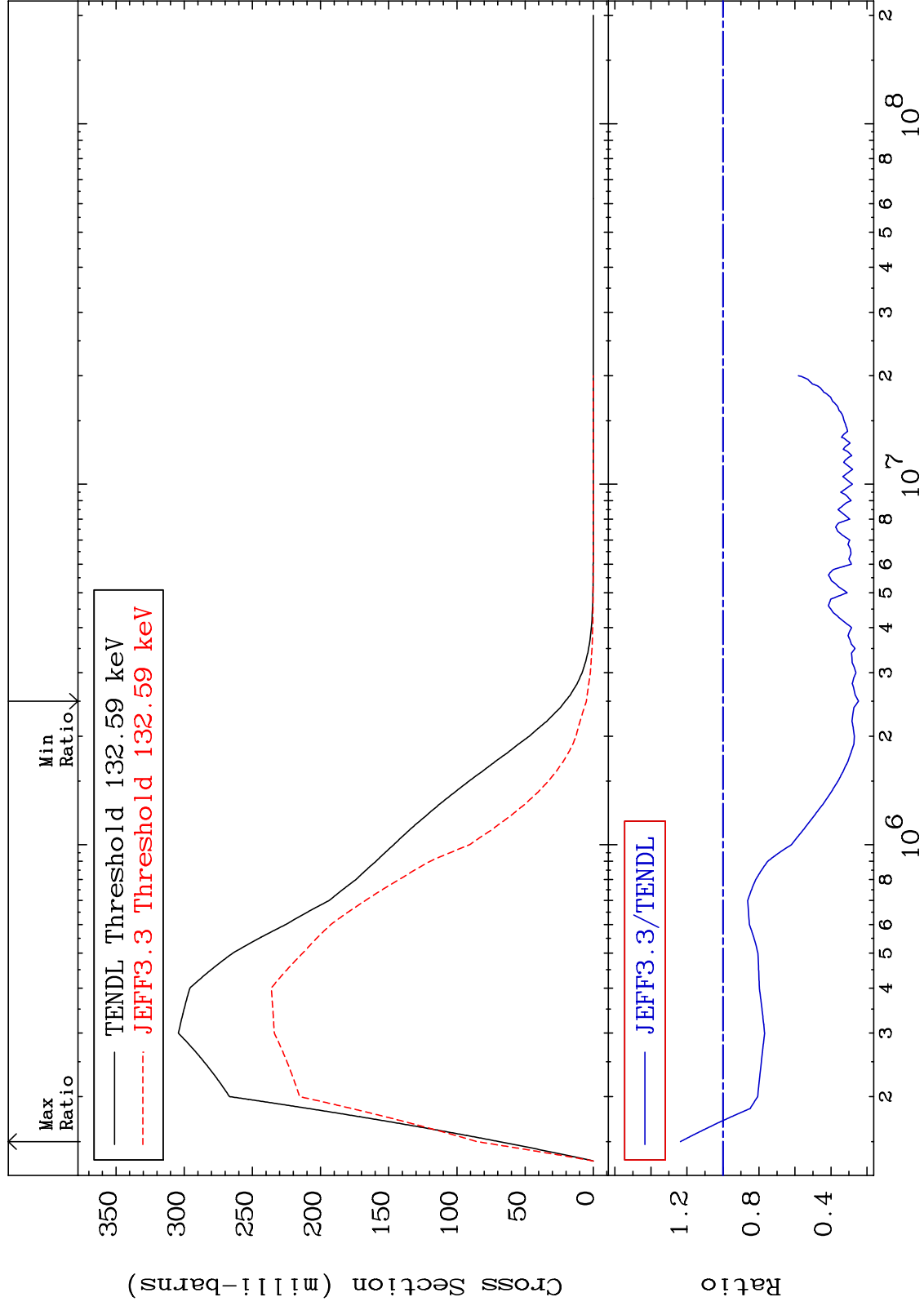
66-Dy-161
-75.61 To 111.3 %



MAT 6640

MT= 56 (n,n') Level
Cross Section

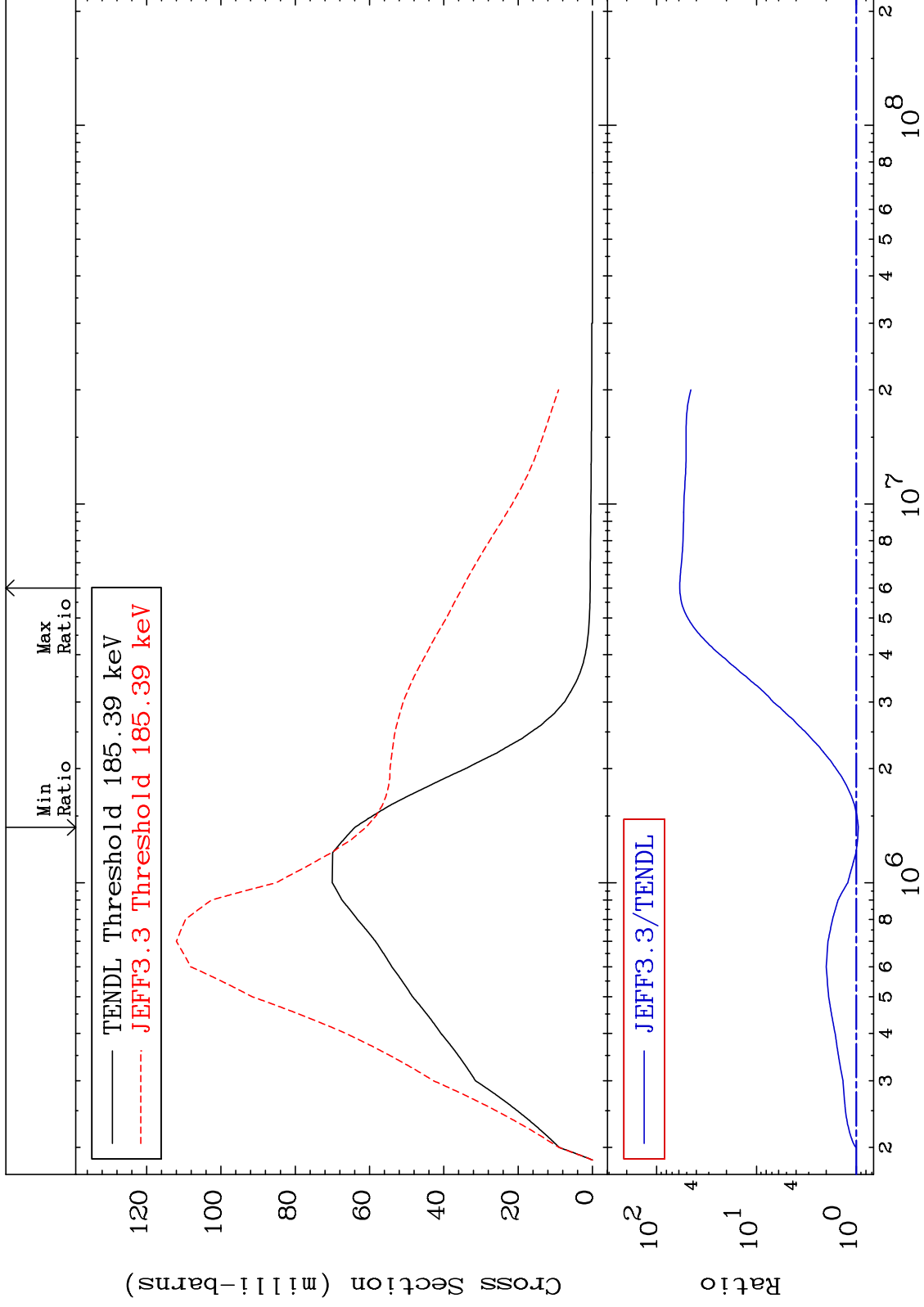
66-Dy-161
-75.29 To 23.61 %



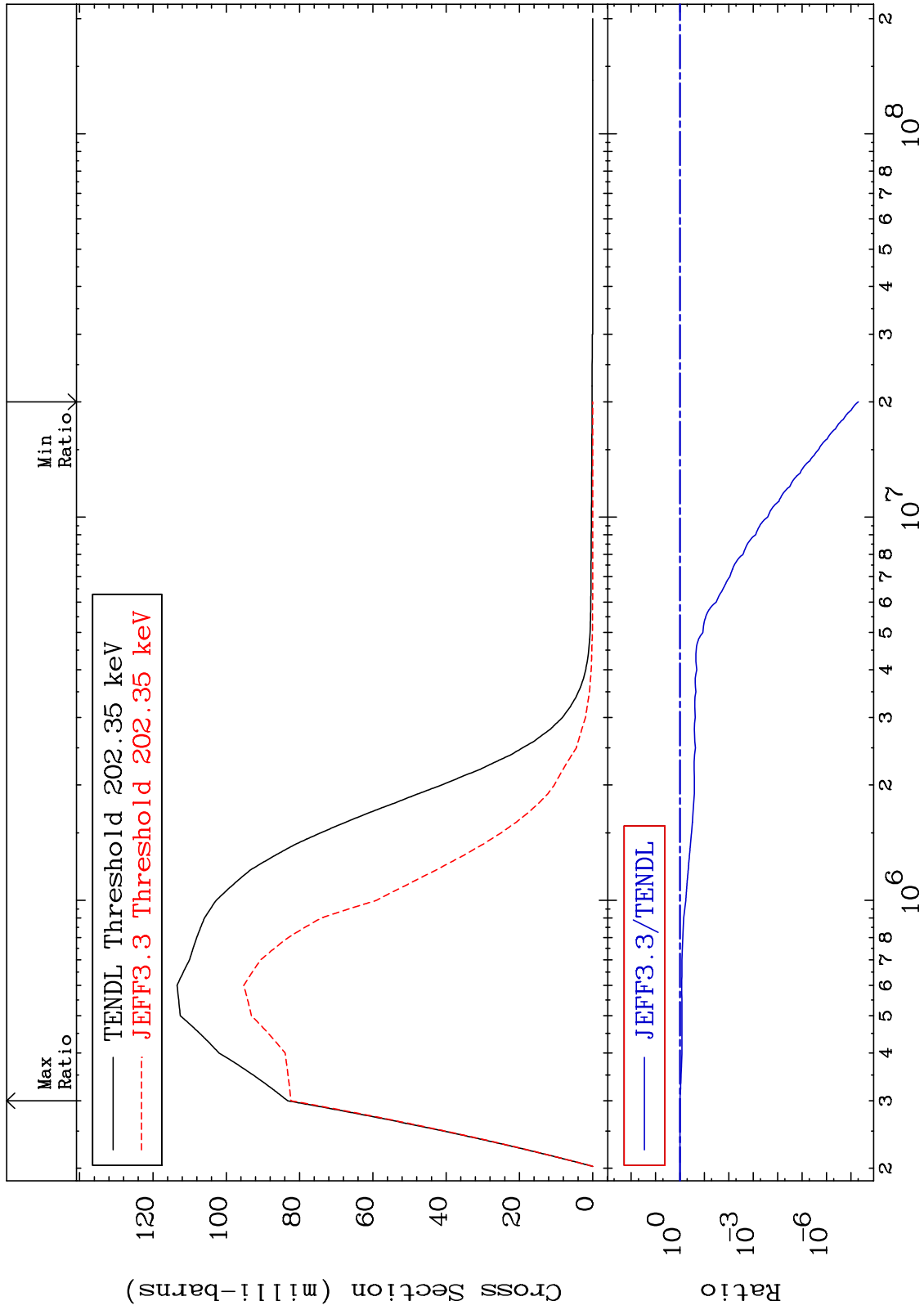
MAT 6640

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

66-Dy-161
-4.673 To 5763. %



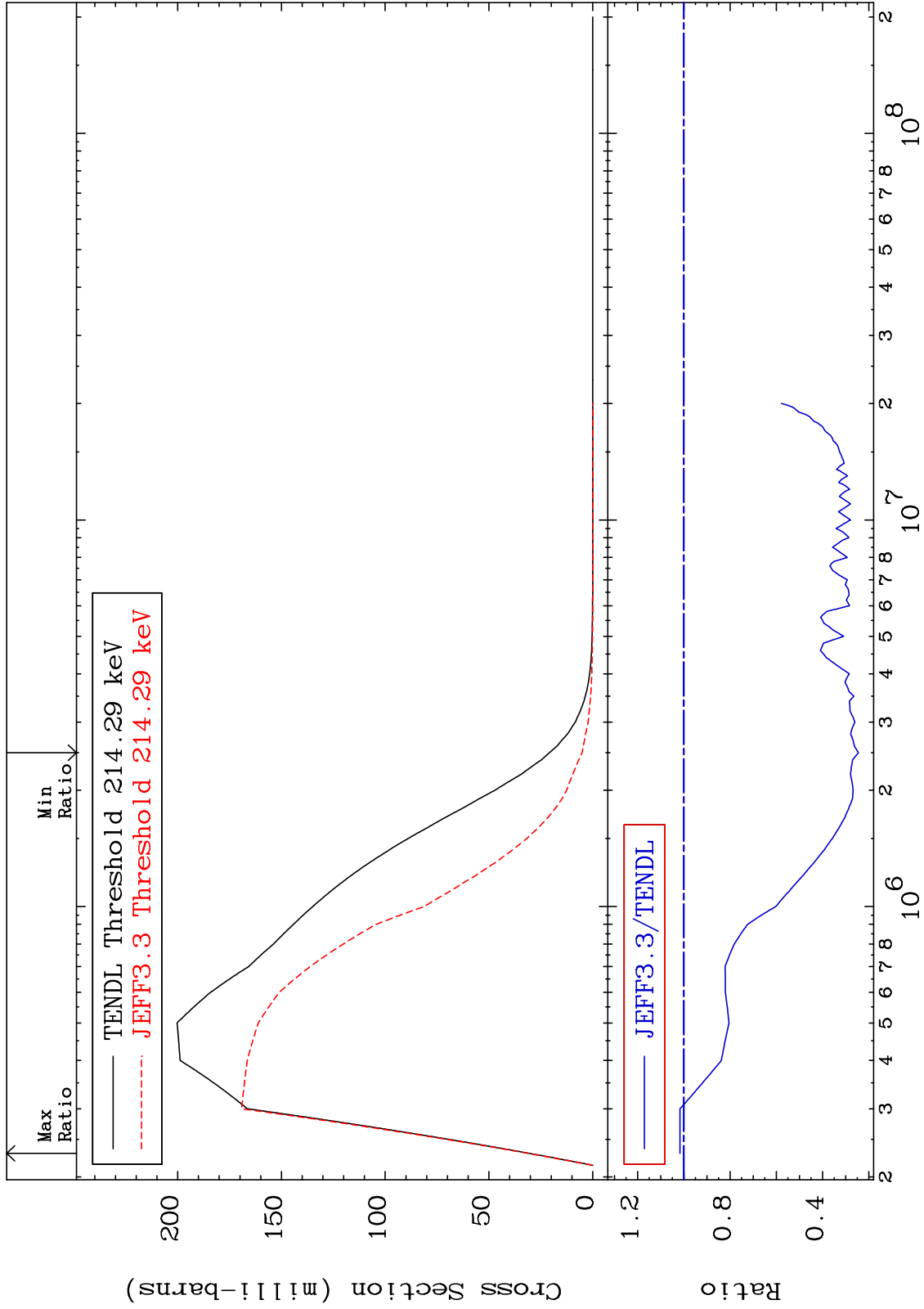
MAT 6640 MT= 58 (n,n') Level 66-Dy-161
 Cross Section -100.0 To -1.108%



MAT 6640

MT= 59 (n,n') Level
Cross Section

66-Dy-161
-75.53 To 1.626 %



18

66-Dy-161

66-Dy-161

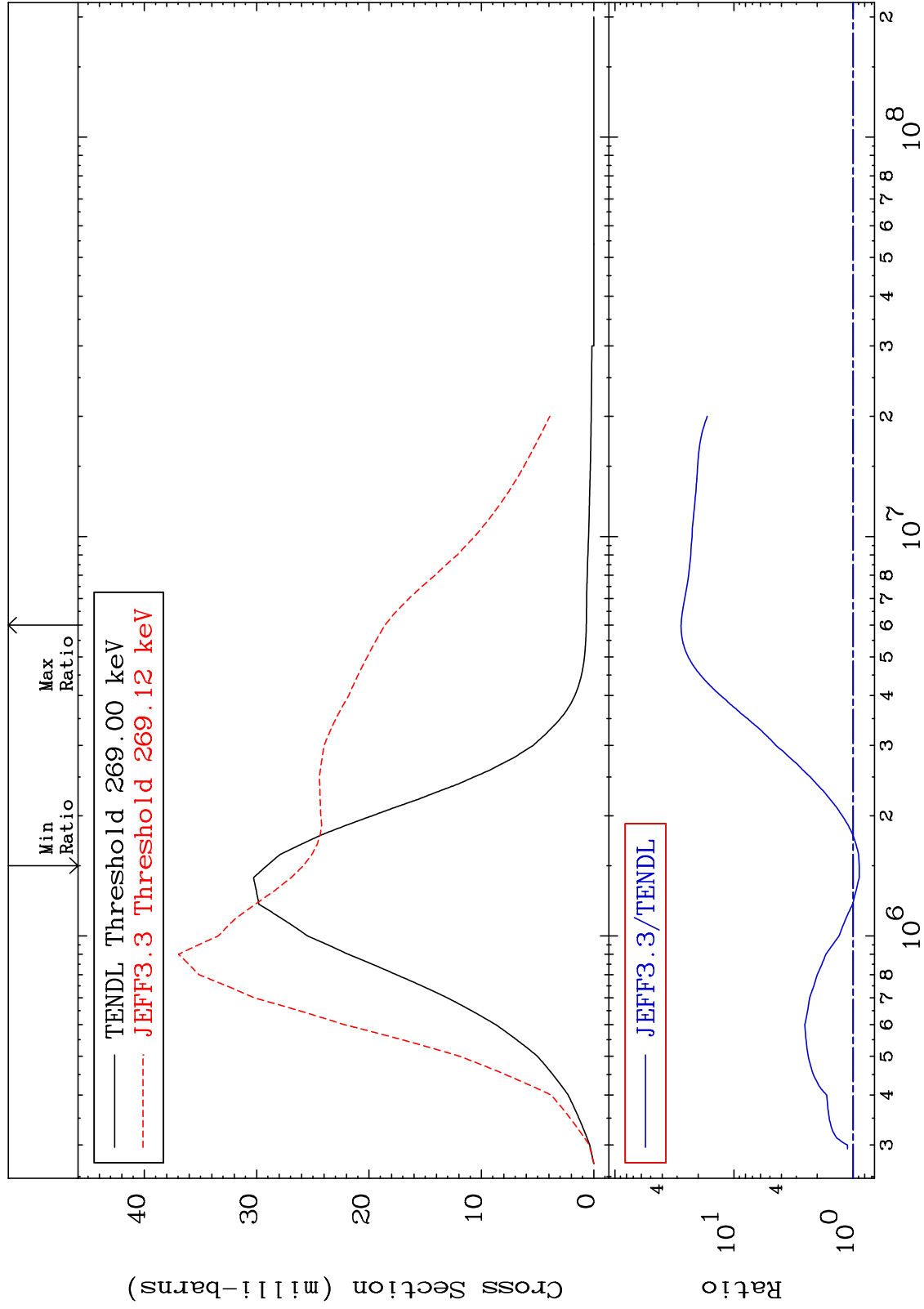
MAT 6640

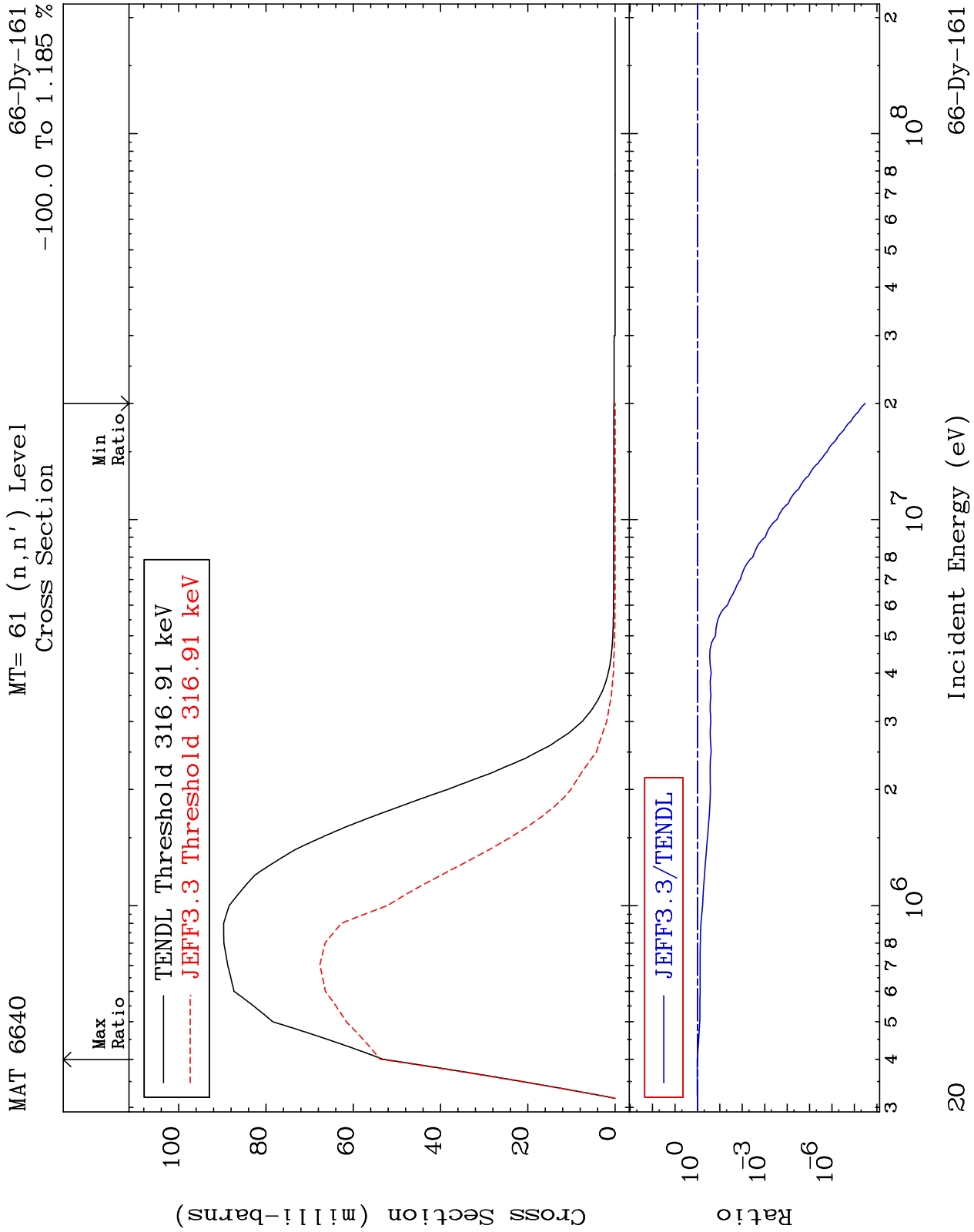
MT= 60 (n,n') Level

66-Dy-161

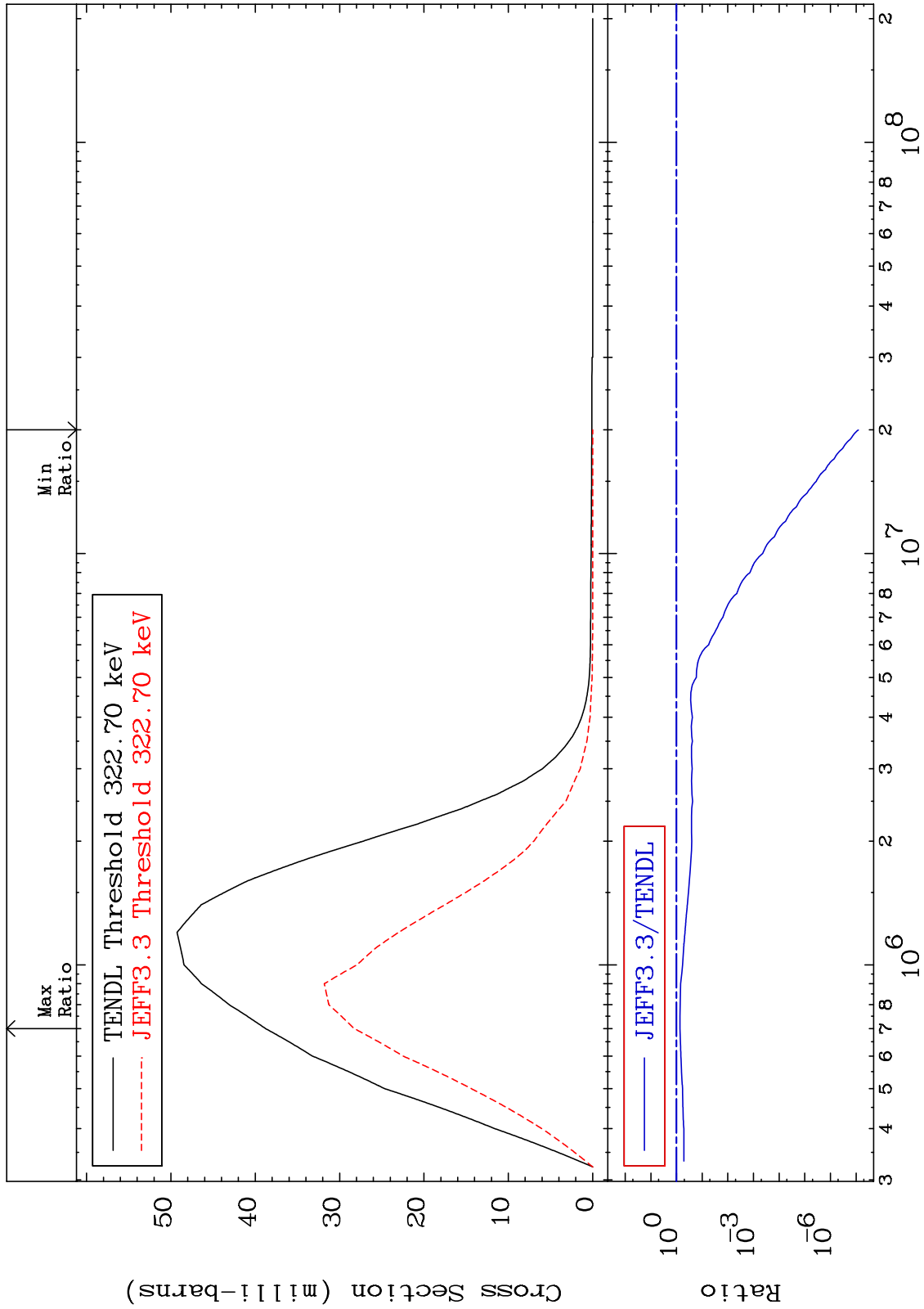
-11.20 To 2683. %

Cross Section





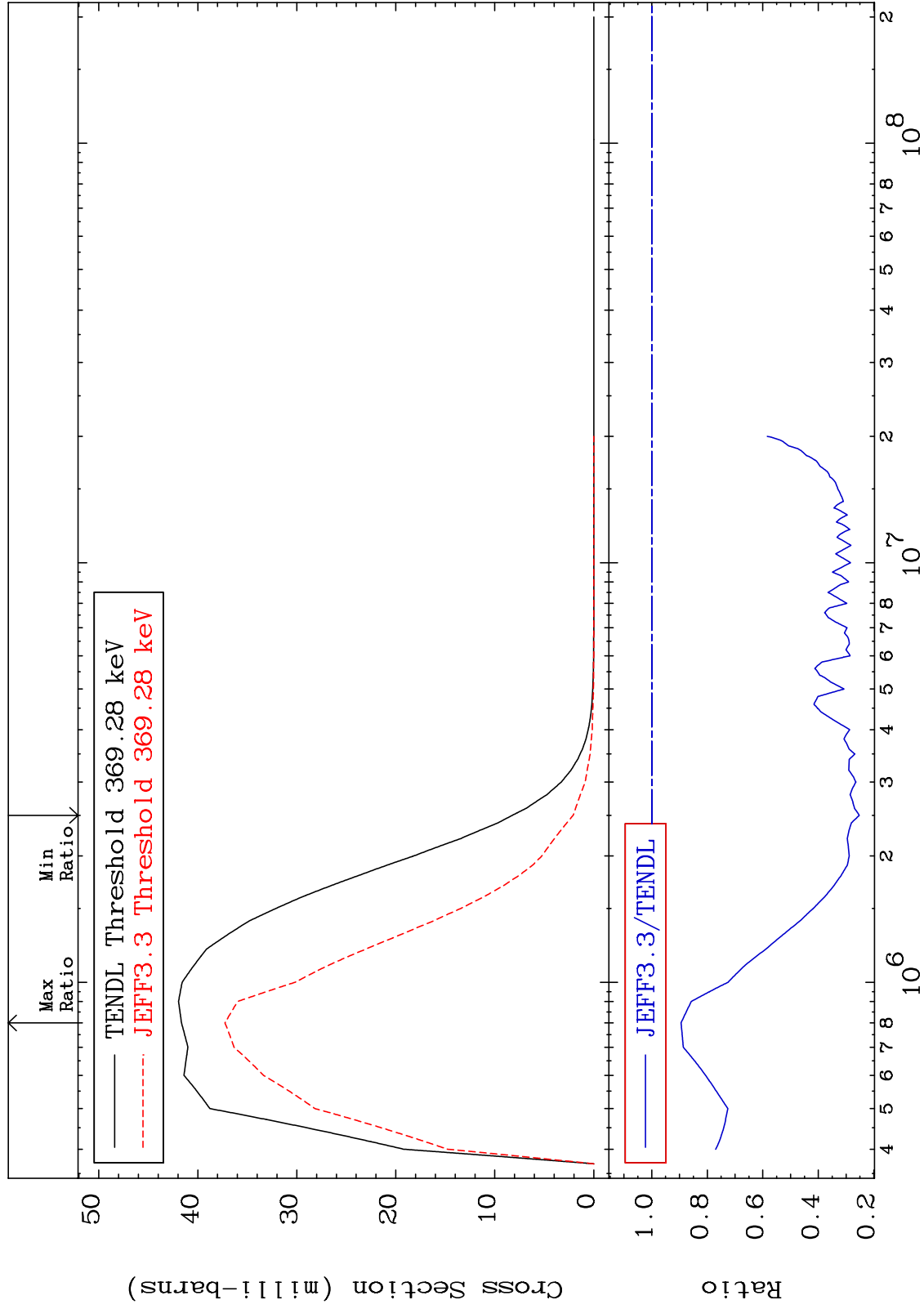
MAT 6640 MT= 62 (n,n') Level
 Cross Section 66-Dy-161
 -100.0 To -27.08%



MAT 6640

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

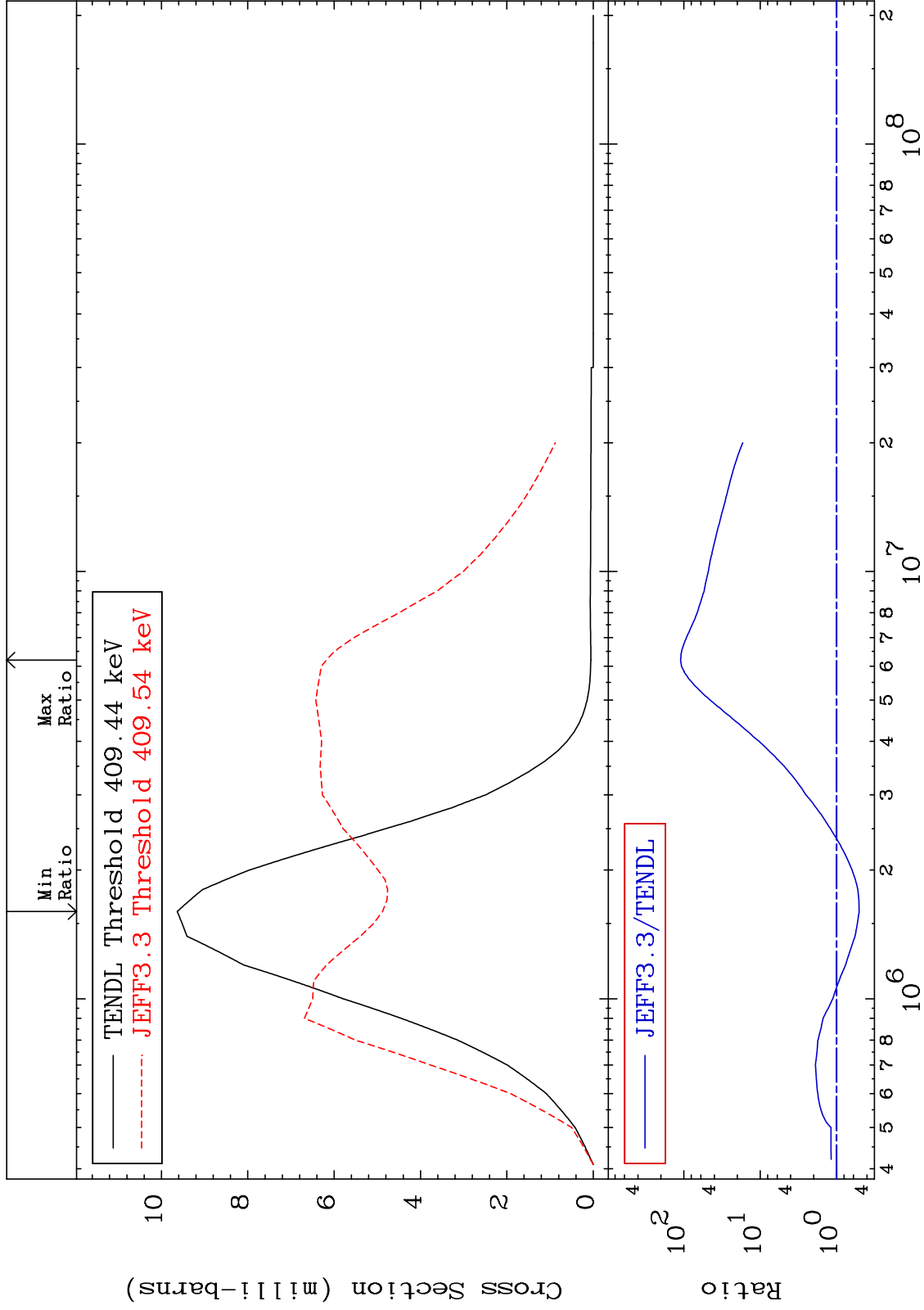
66-Dy-161
-74.75 To -10.56%



MAT 6640

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

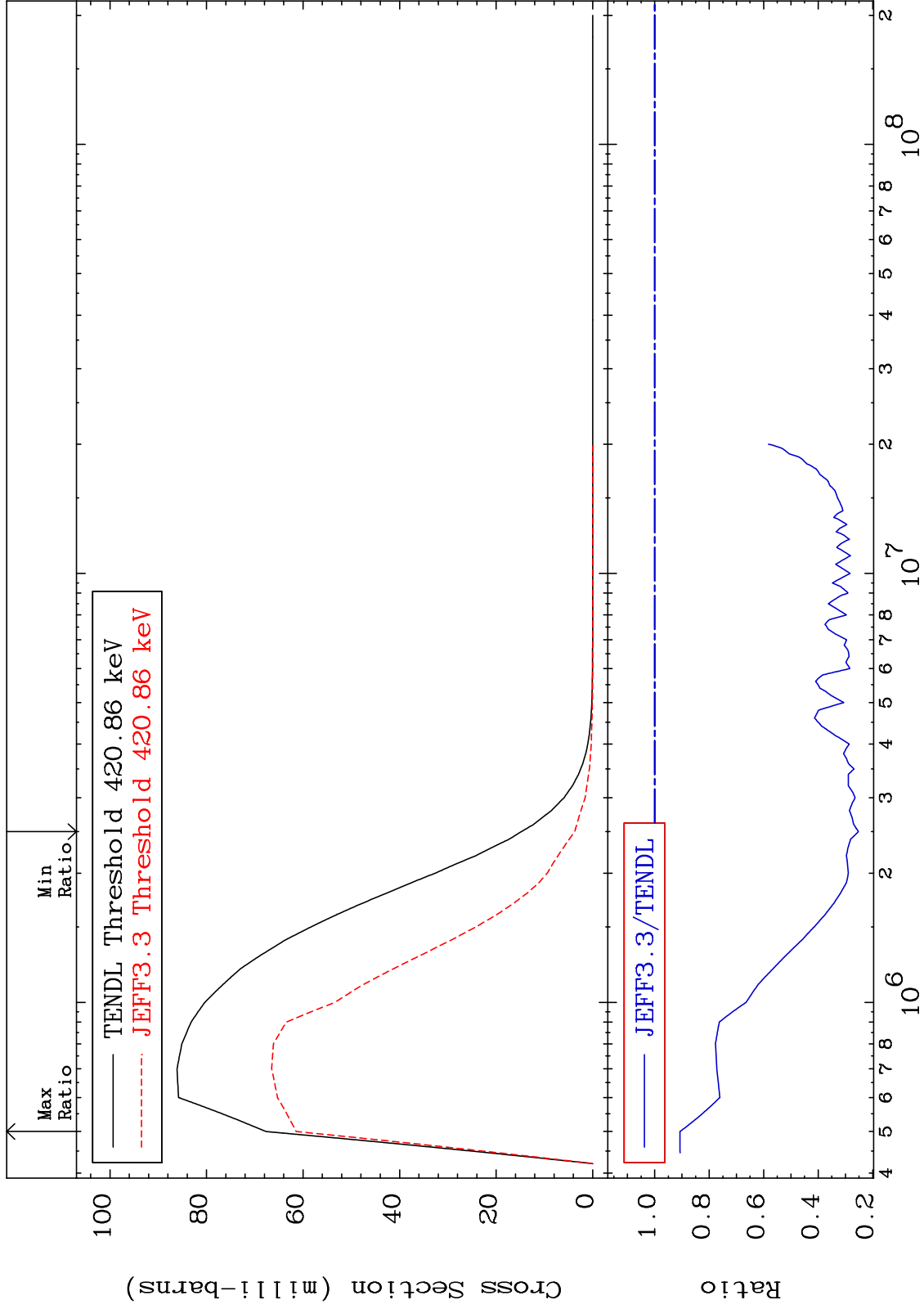
66-Dy-161
-49.36 To 9999. %



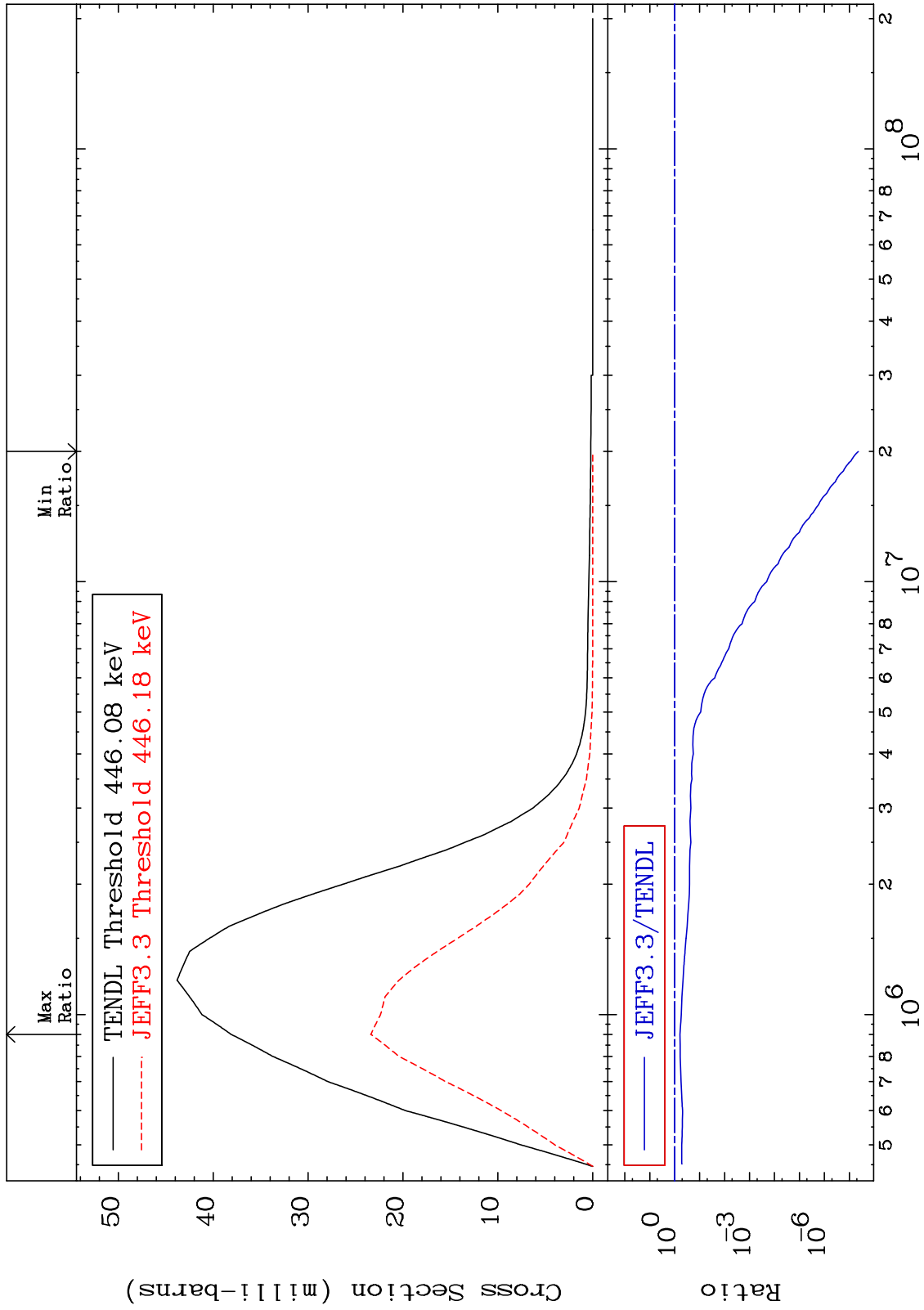
MAT 6640

MT= 65 (n,n') Level
Cross Section

66-Dy-161
-74.77 To -9.292%



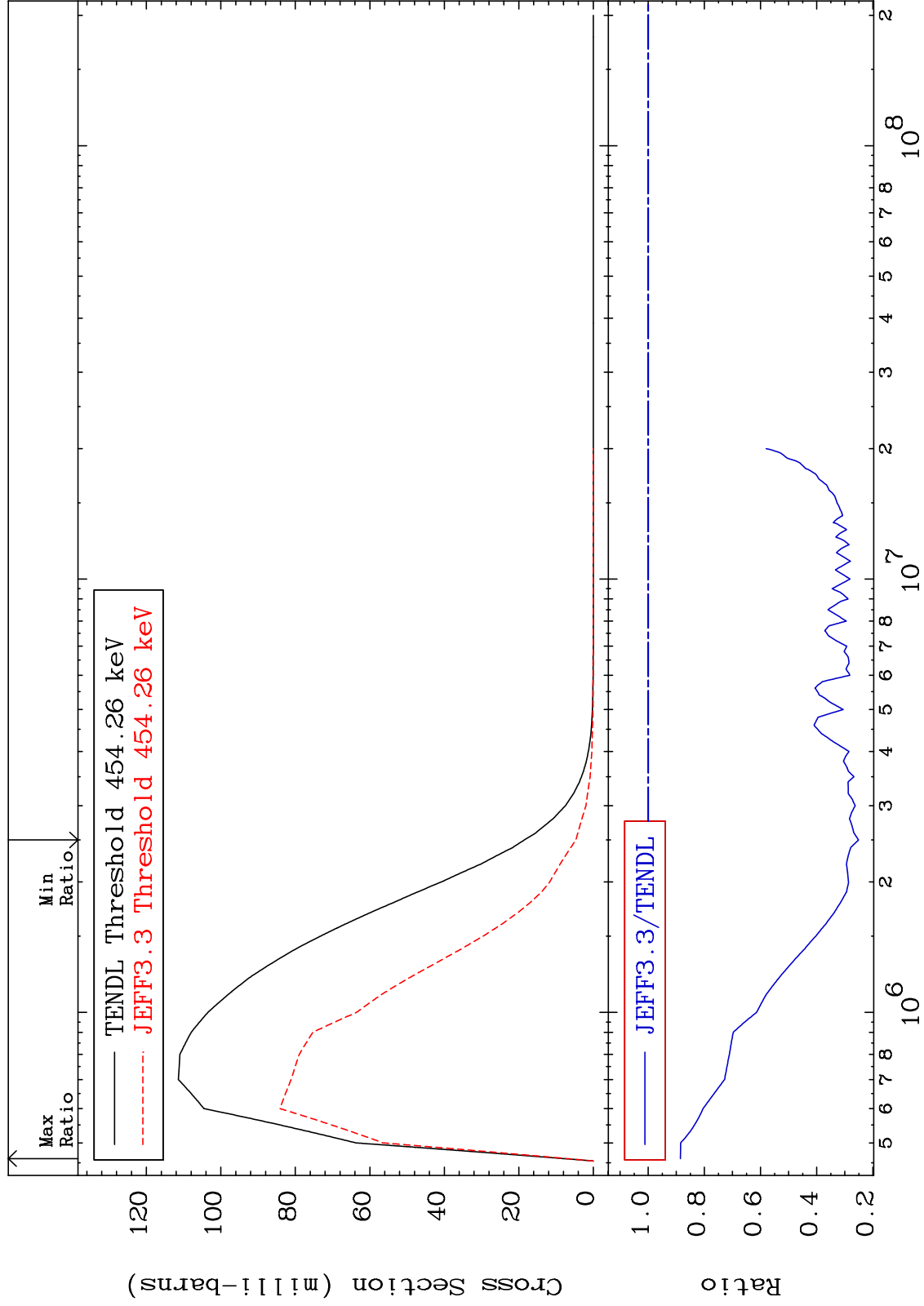
MAT 6640 MT= 66 (n,n') Level Cross Section 66-Dy-161
 -100.0 To -38.63%



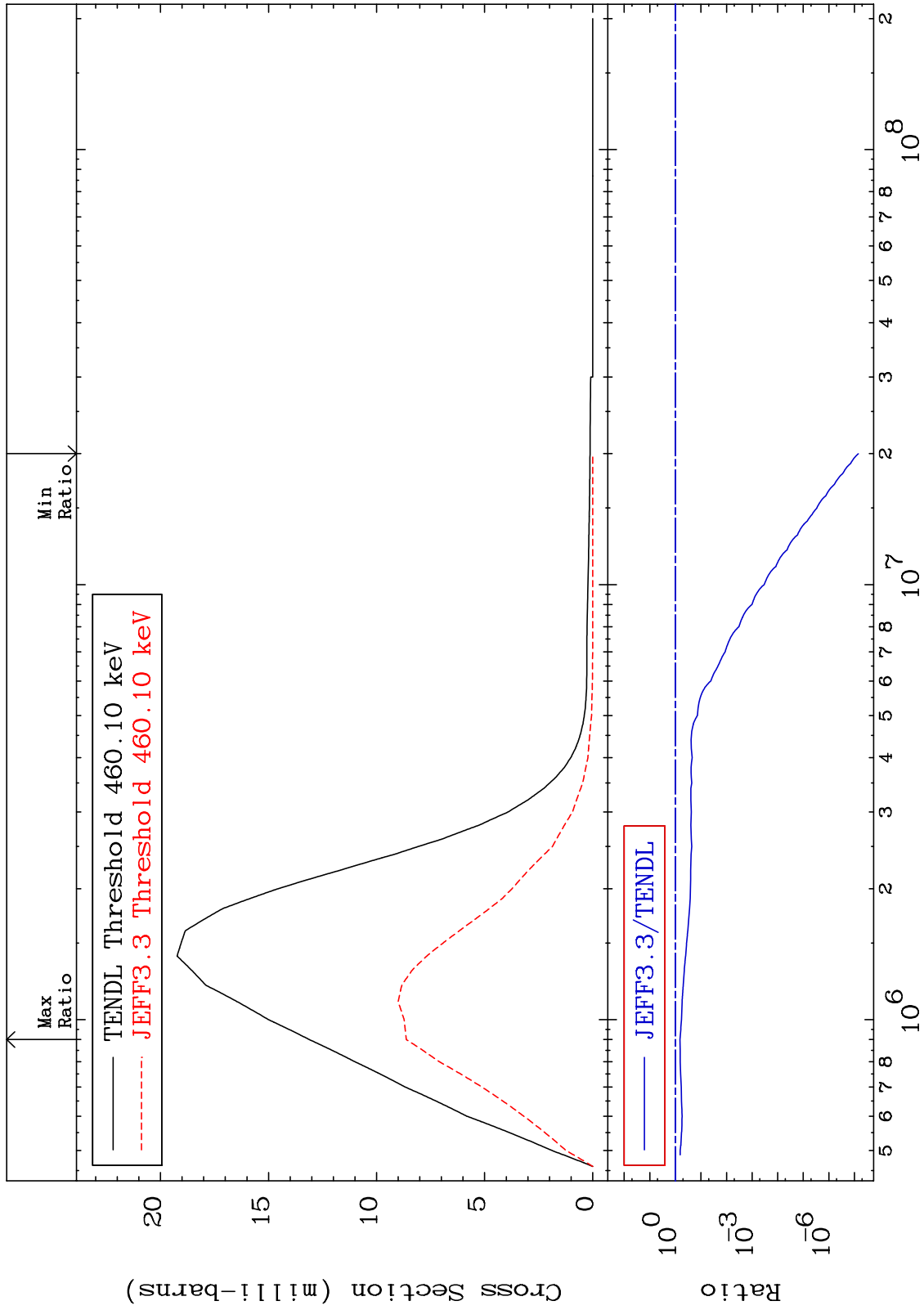
MAT 6640

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

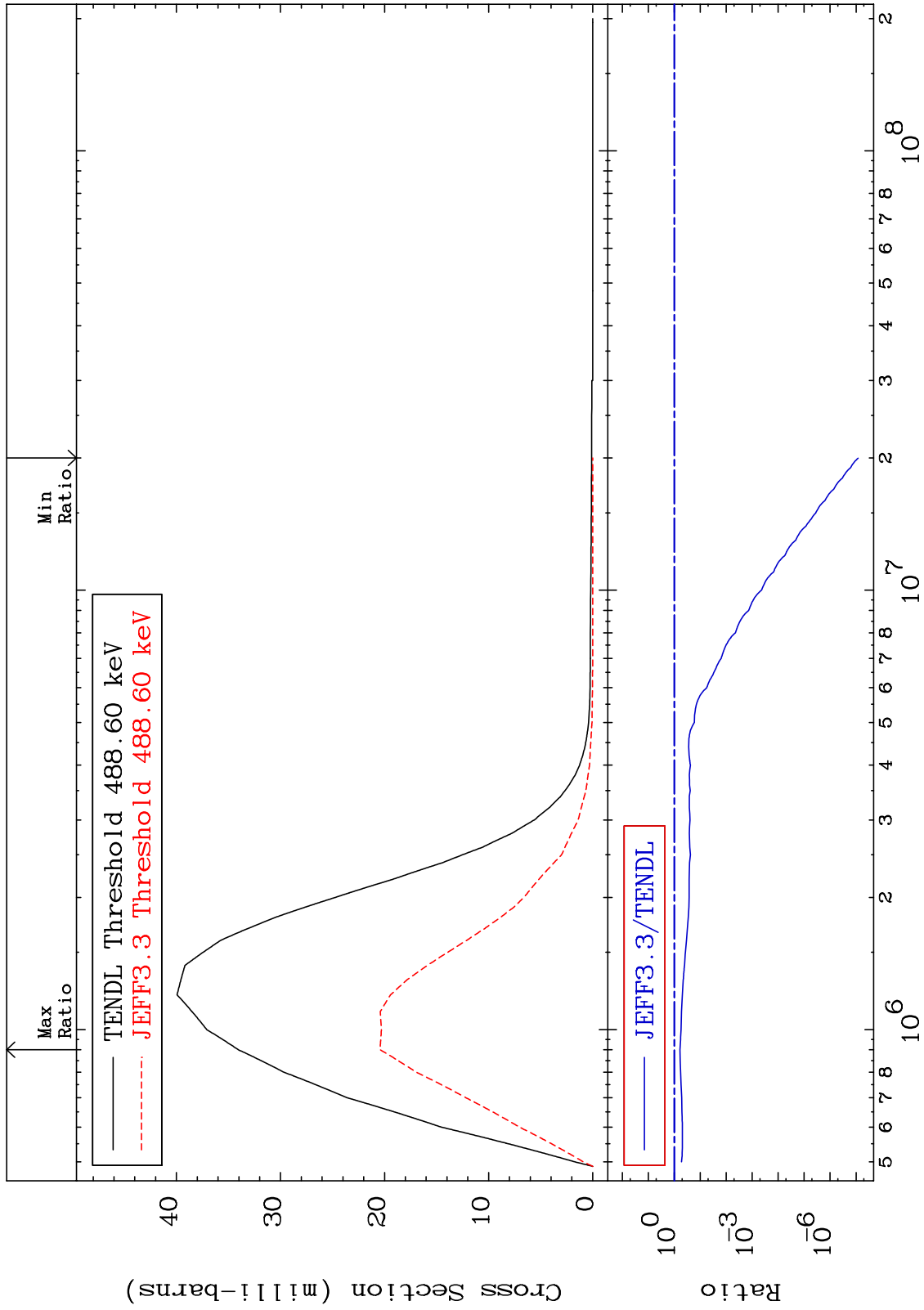
66-Dy-161
-74.87 To -11.46%

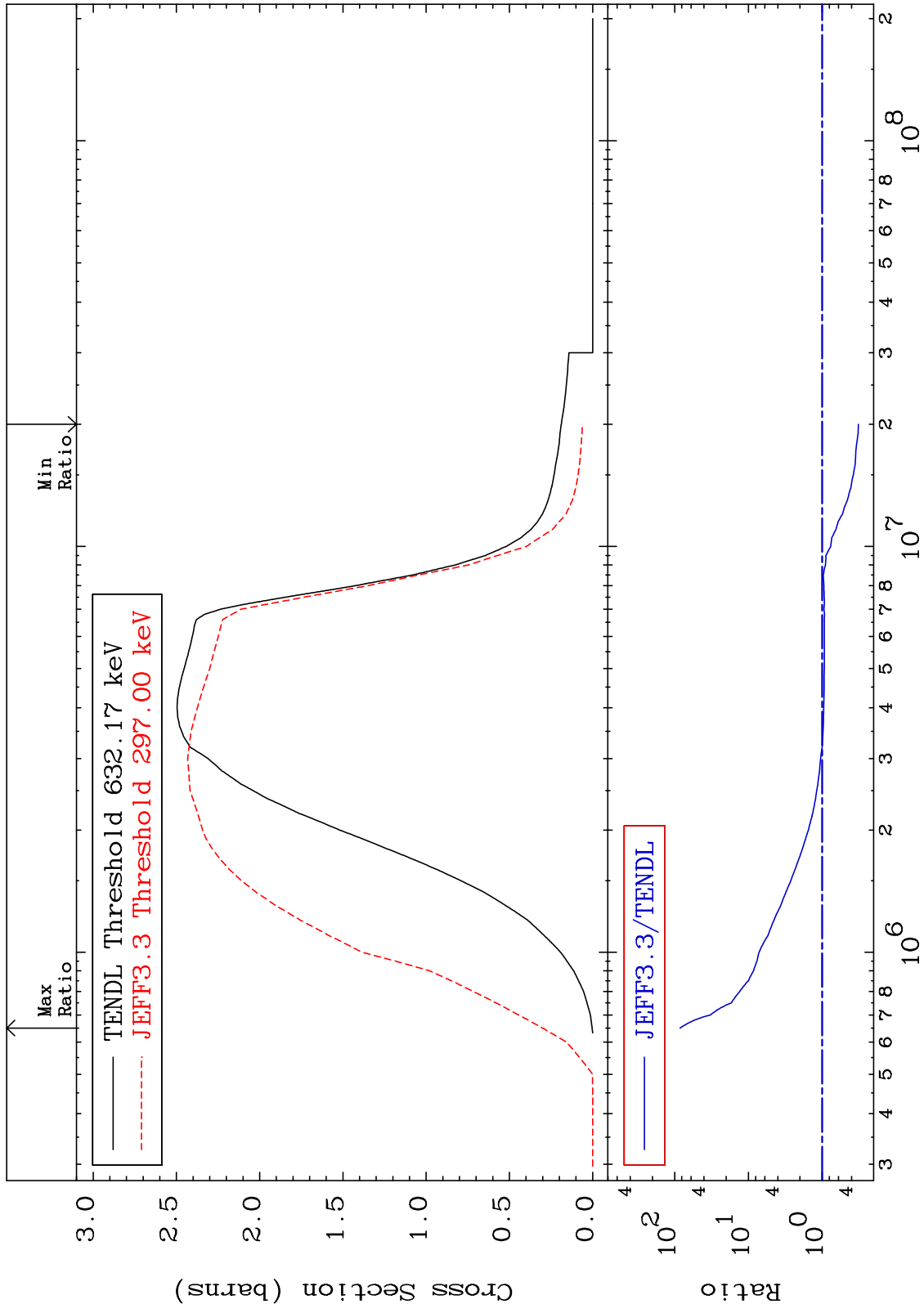


MAT 6640 MT= 68 (n,n') Level 66-Dy-161
 Cross Section -100.0 To -34.22%



MAT 6640 MT= 69 (n,n') Level 66-Dy-161
 Cross Section -100.0 To -40.00%

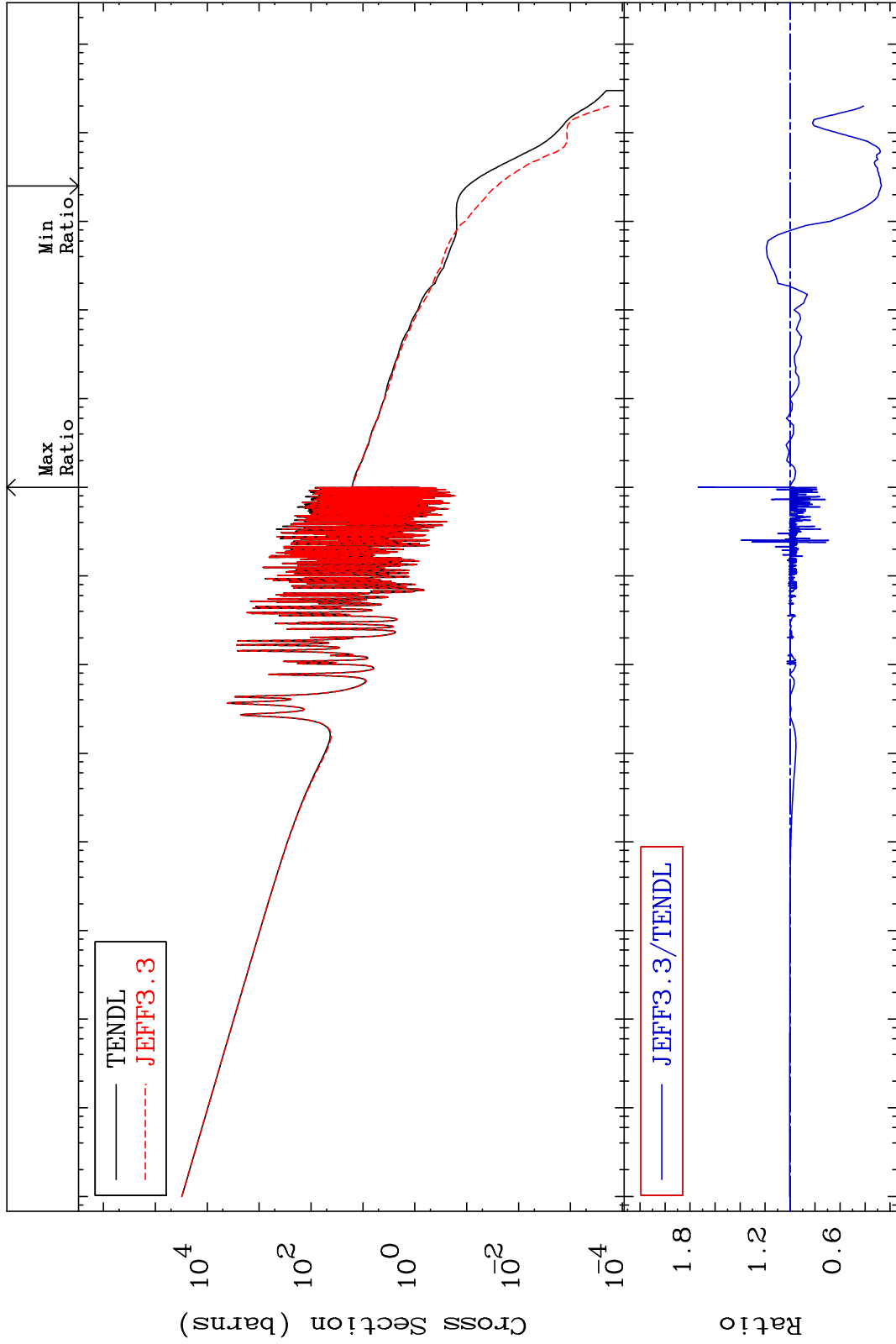




MAT 6640

(n, γ)
Cross Section

66-Dy-161
-73.16 To 73.37 %



30

Incident Energy (eV)

66-Dy-161

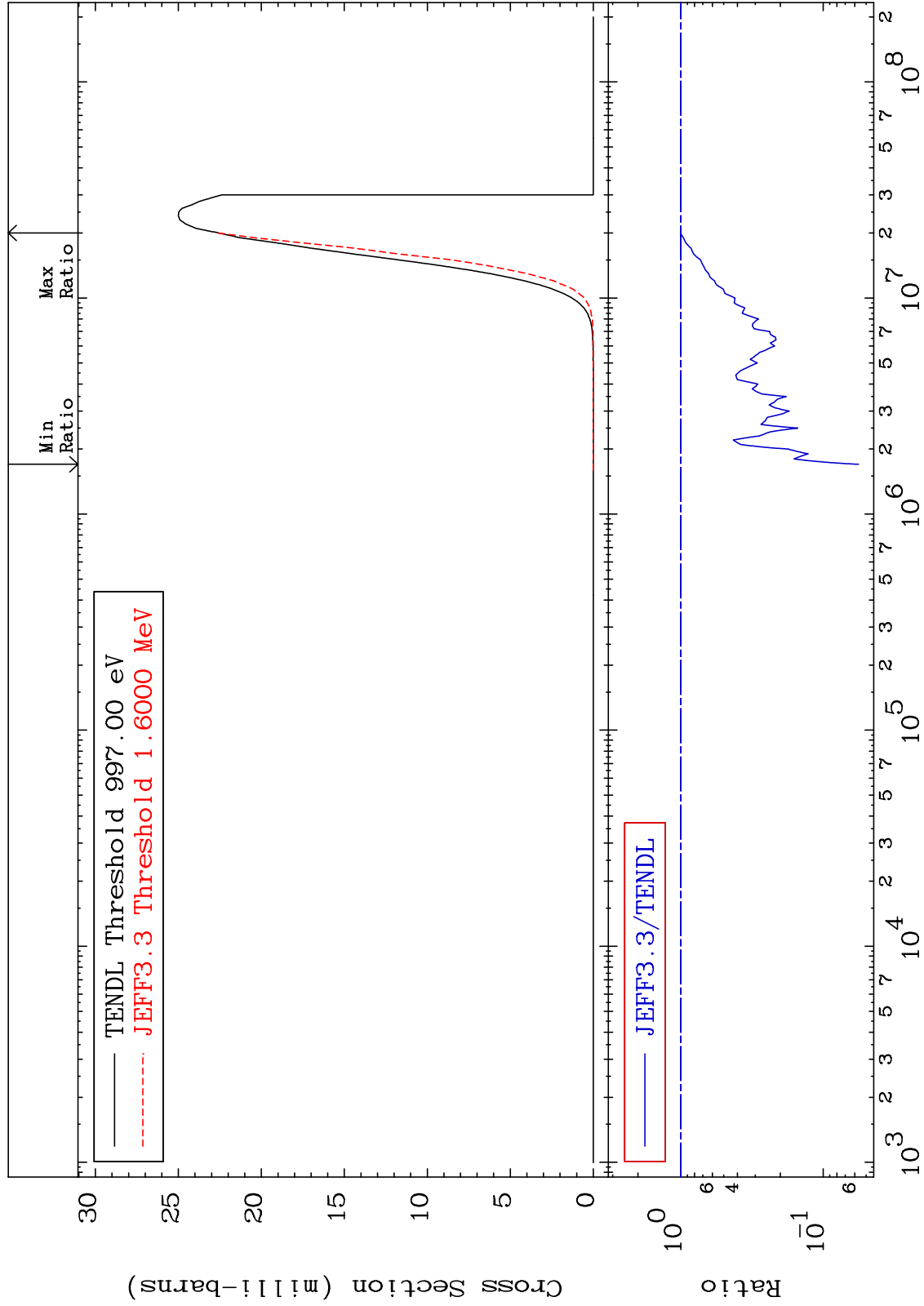
MAT 6640

(n, p)

66-Dy-161

Cross Section

-94.35 To 0.450 %



31

Incident Energy (eV)

66-Dy-161

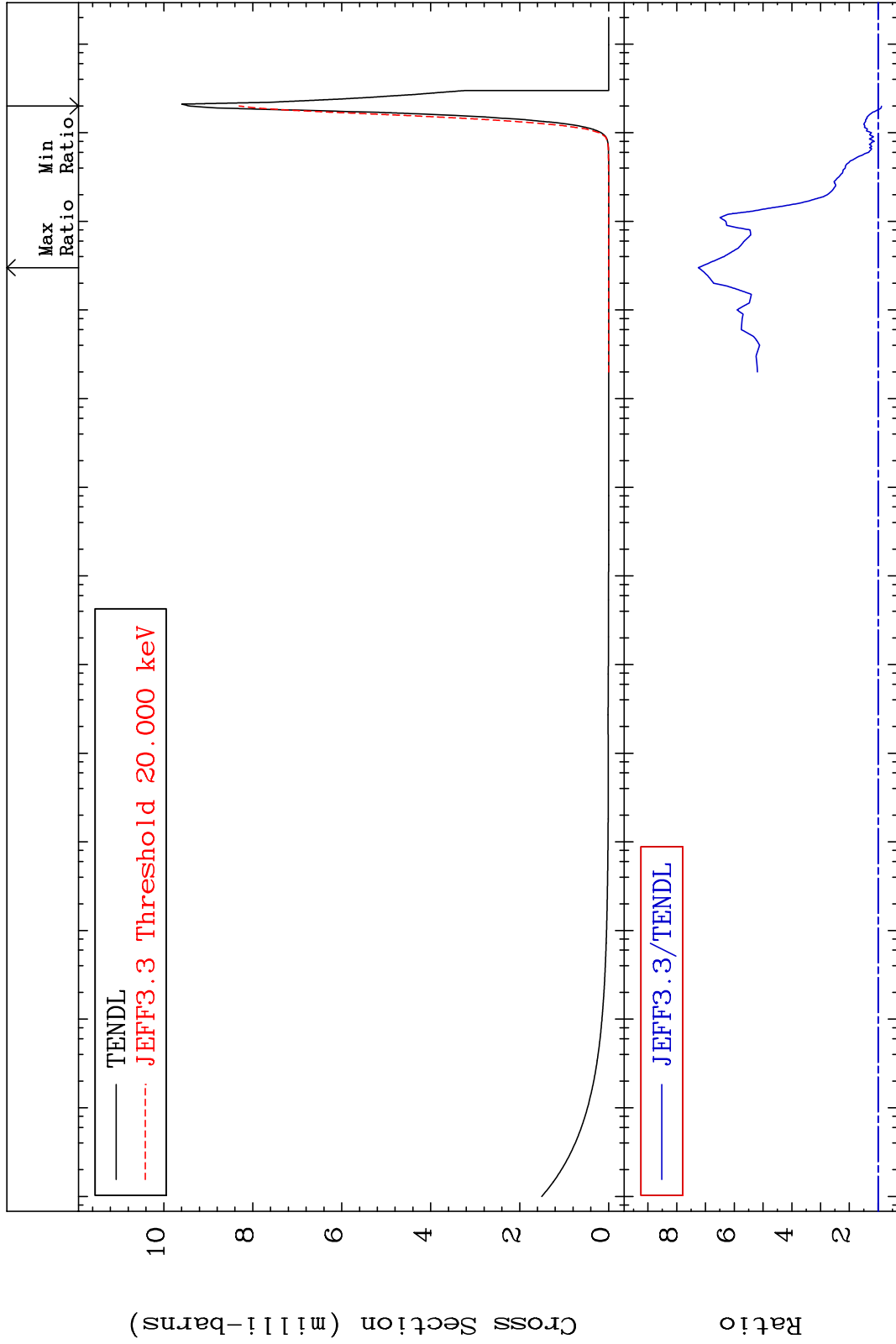
MAT 6640

(n, α)

66-Dy-161

Cross Section

-11.88 To 624.7 %



32

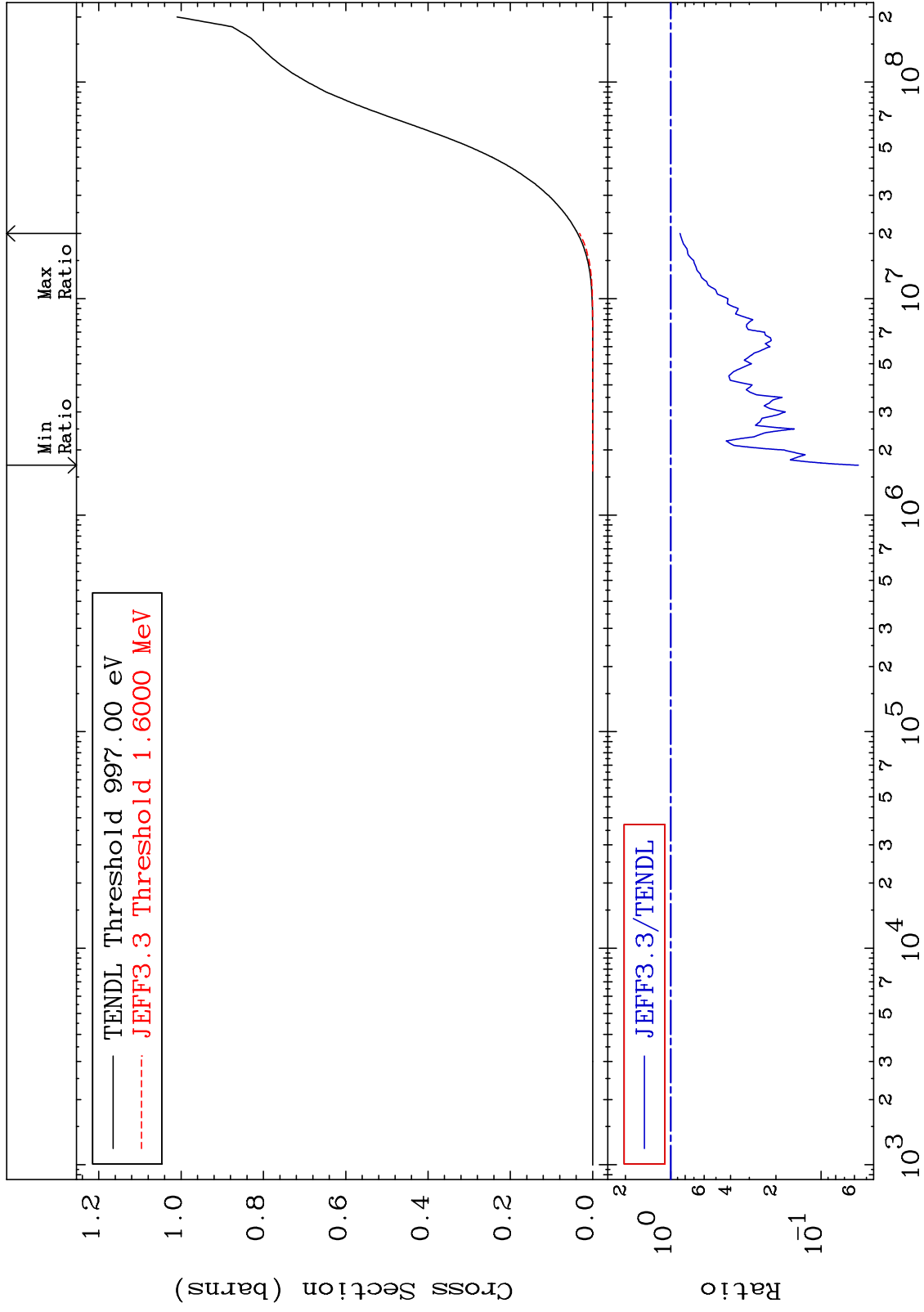
Incident Energy (eV)

66-Dy-161

MAT 6640

Hydrogen Production
Cross Section

66-Dy-161
-94.35 To -13.29%



33

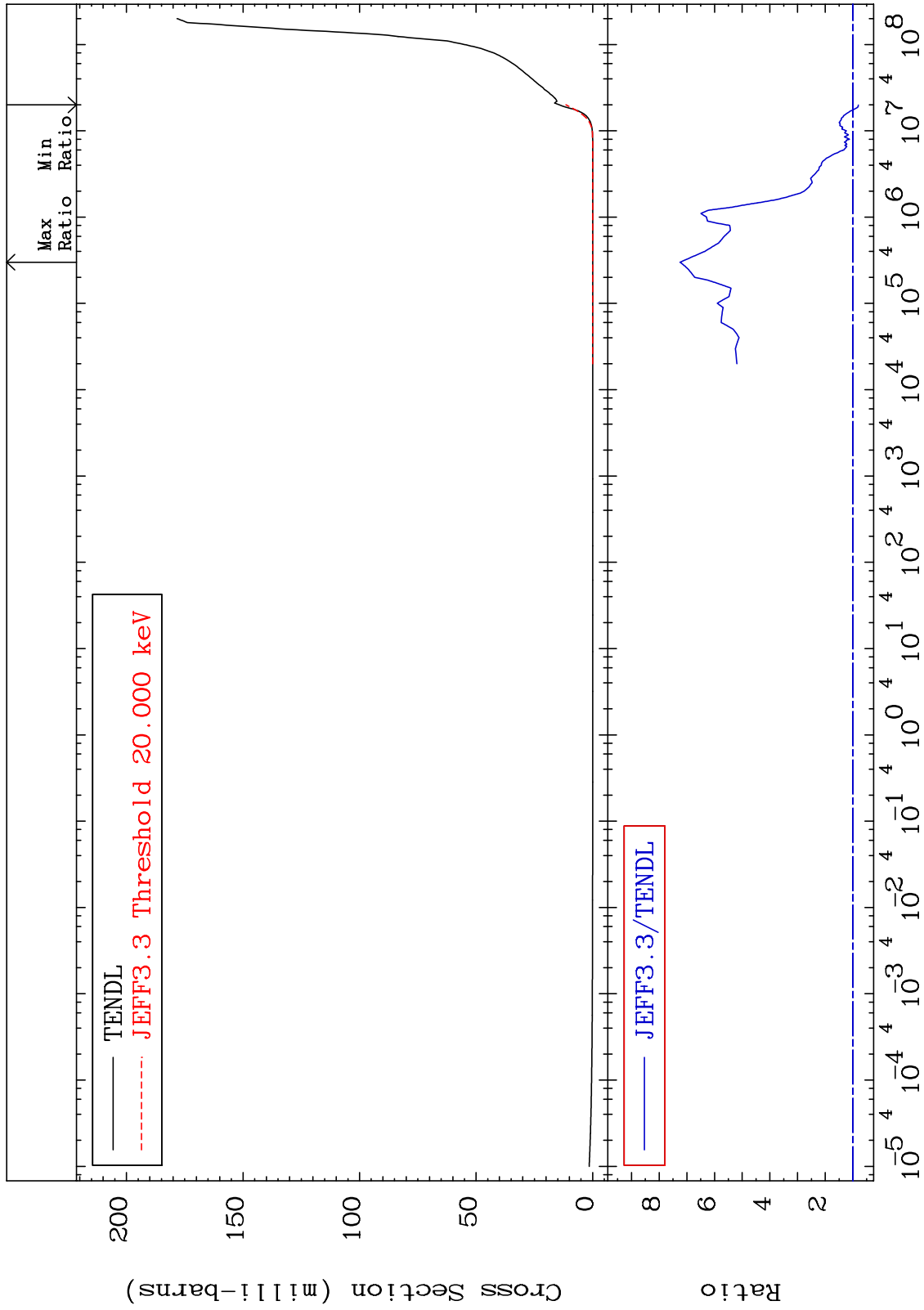
Incident Energy (eV)

66-Dy-161

MAT 6640

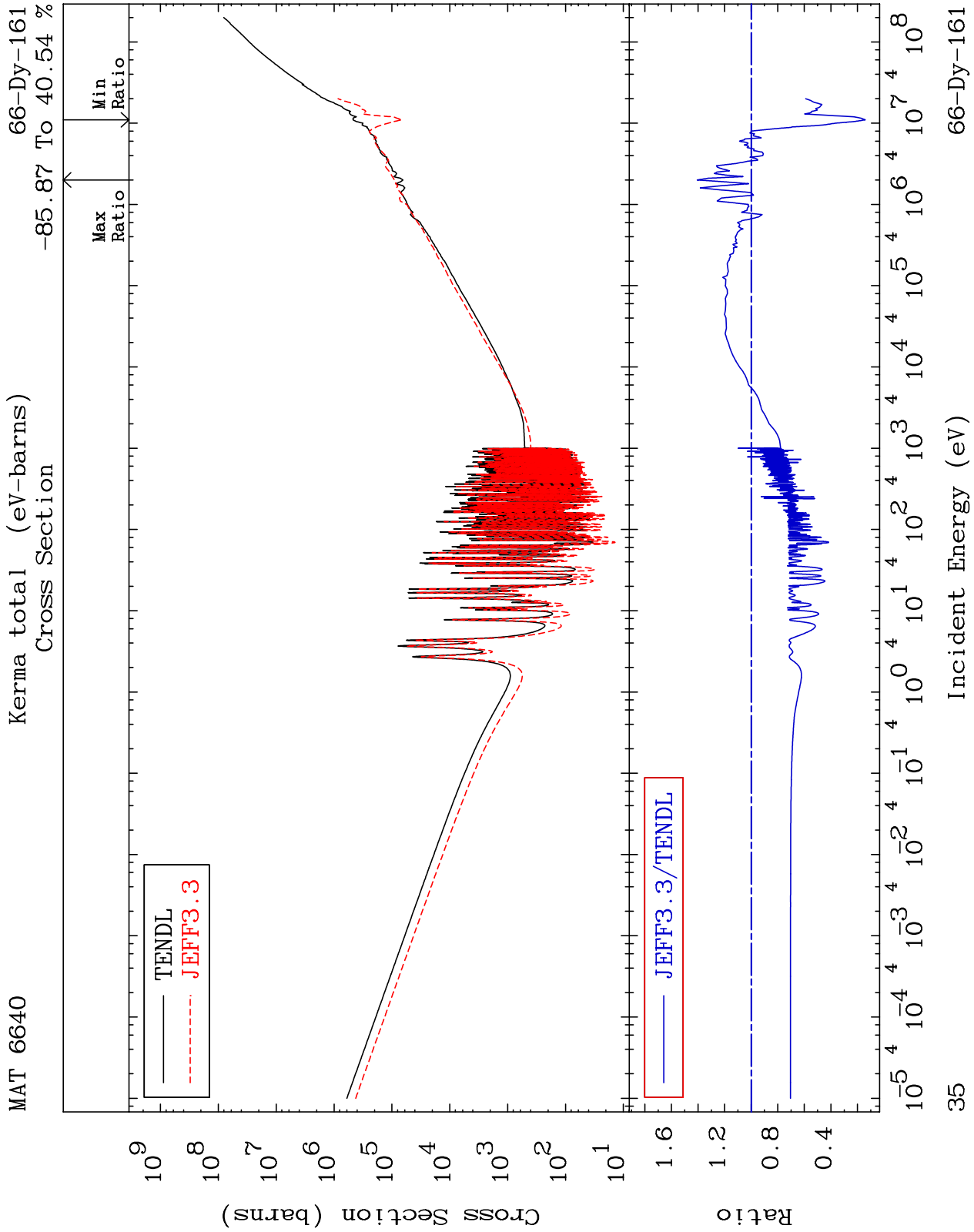
He-4 Production
Cross Section

66-Dy-161
-19.85 To 624.7 %



34

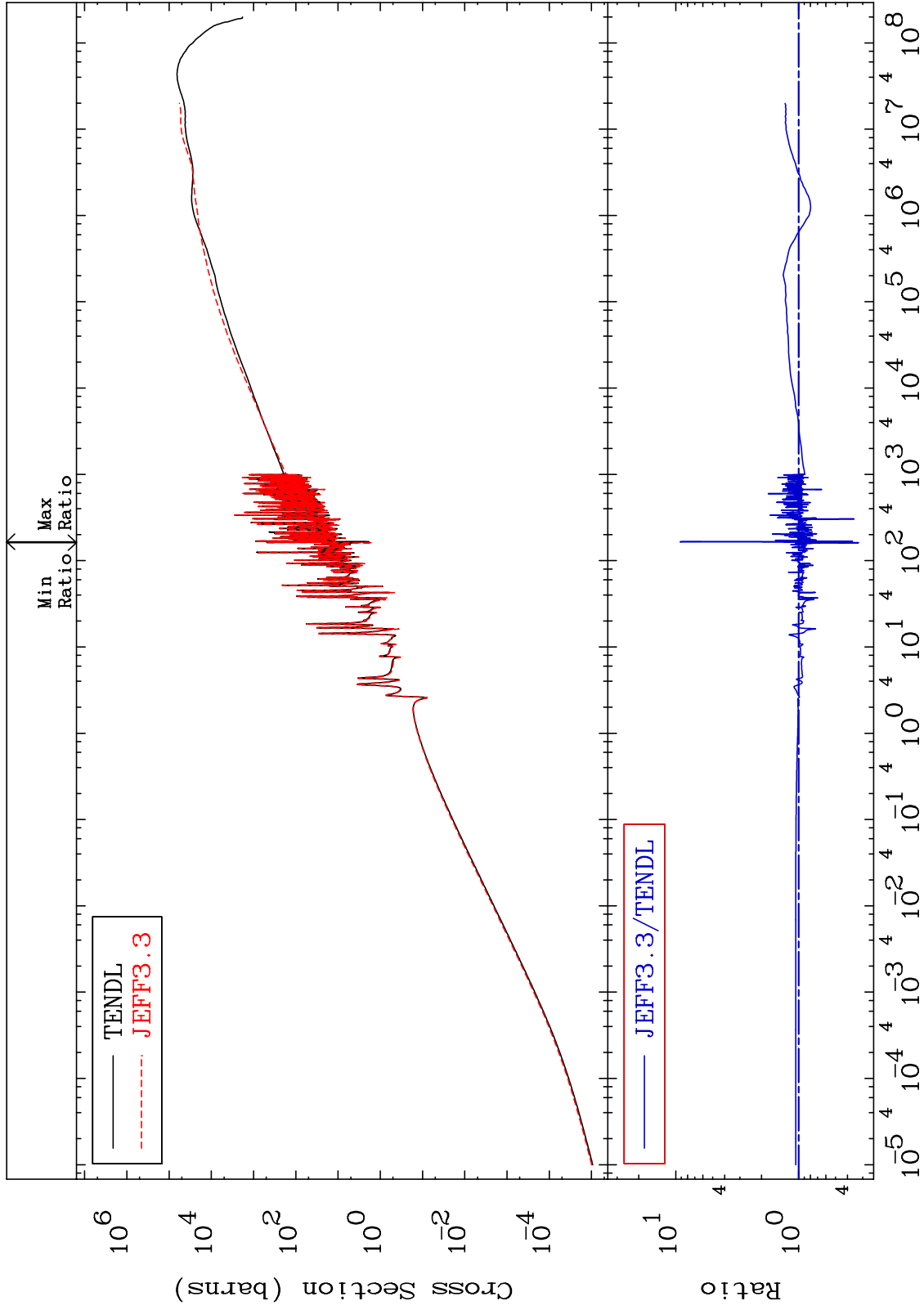
66-Dy-161



MAT 6640

Kerma elastic
Cross Section

66-Dy-161
-67.41 To 822.3 %



36

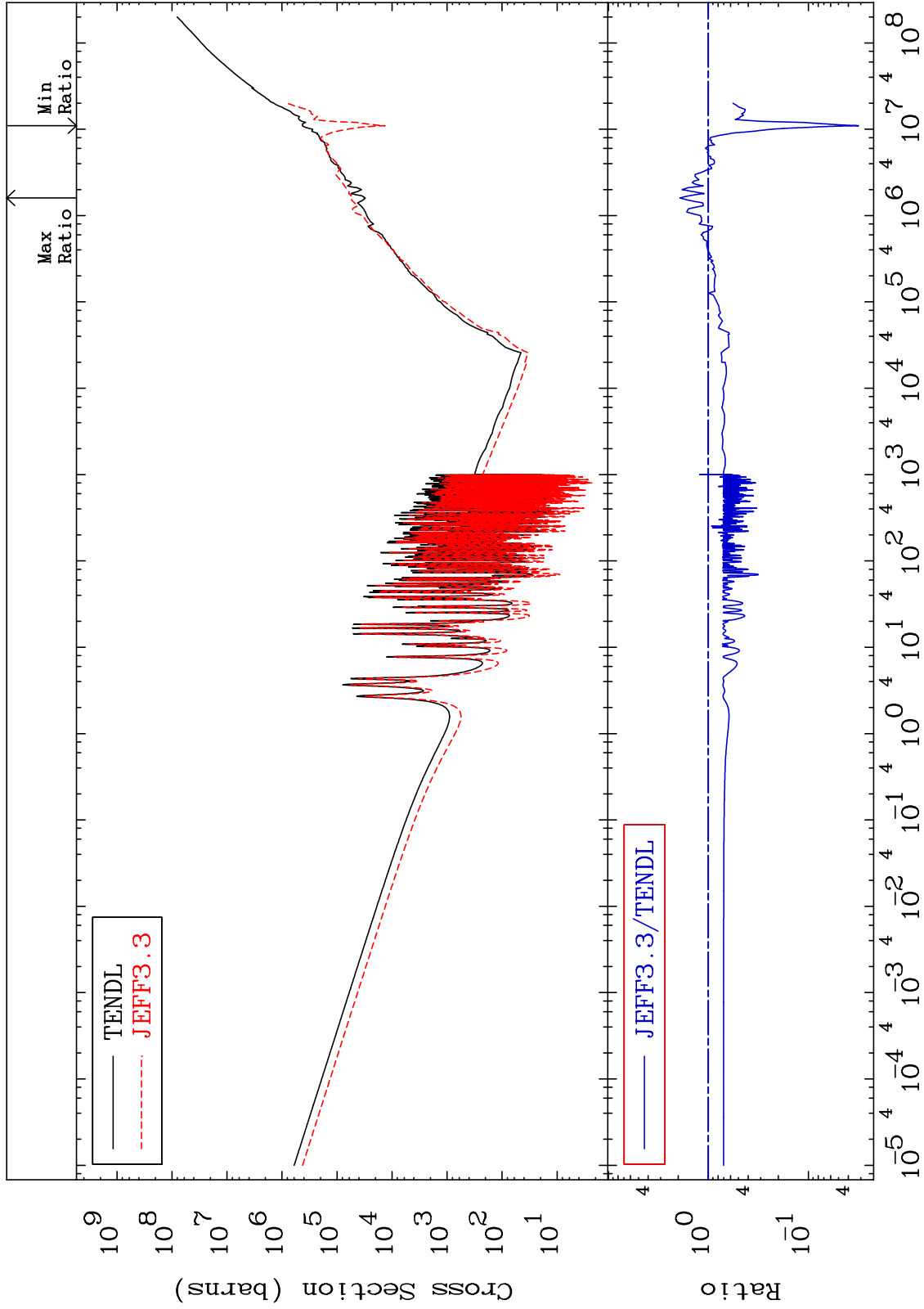
Incident Energy (eV)

66-Dy-161

MAT 6640

Kerma non-elastic (all but mt2)
Cross Section

66-Dy-161
-96.83 To 92.06 %



37

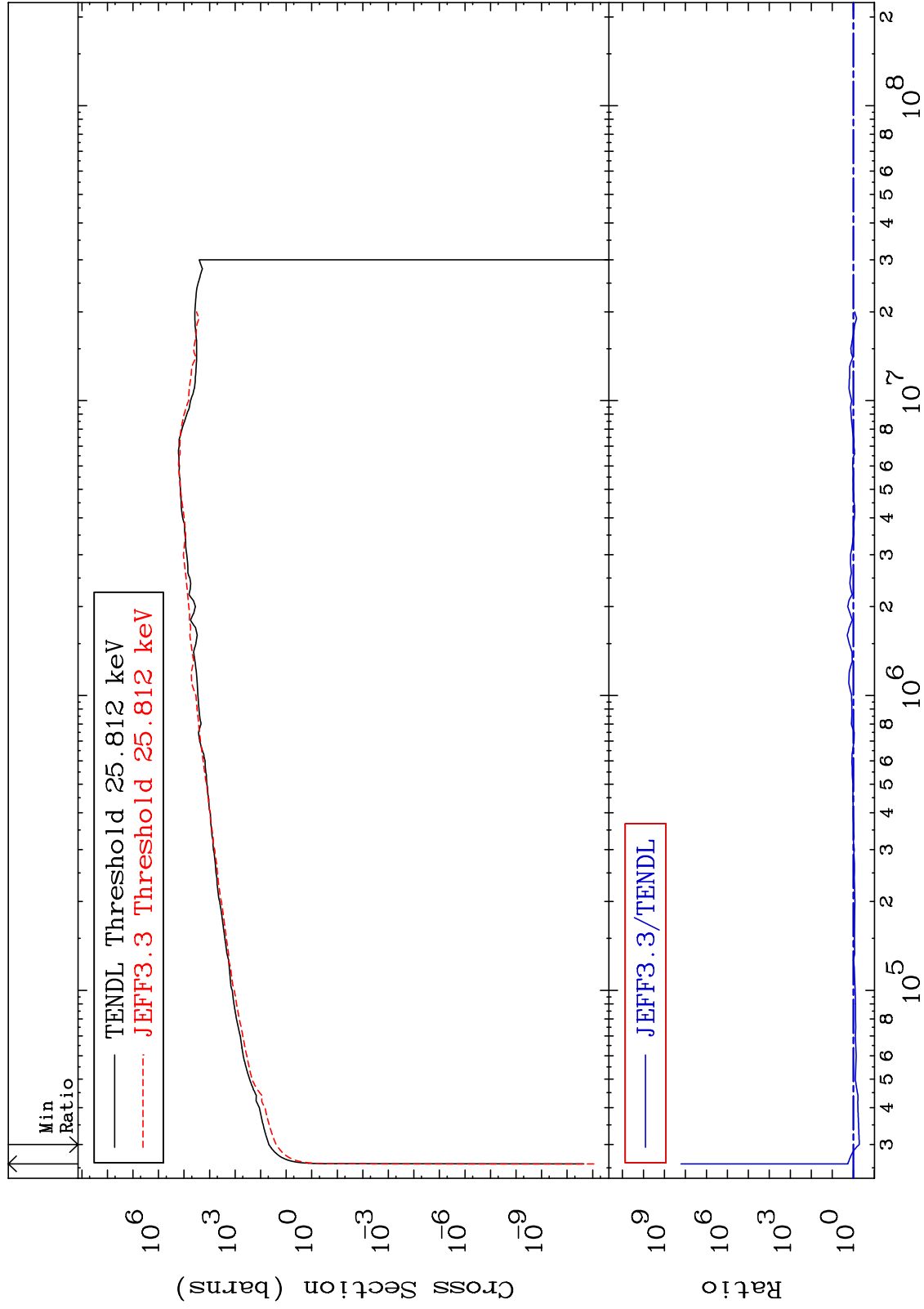
Incident Energy (eV)

66-Dy-161

MAT 6640

Kerma inelastic (mt51-91)
Cross Section

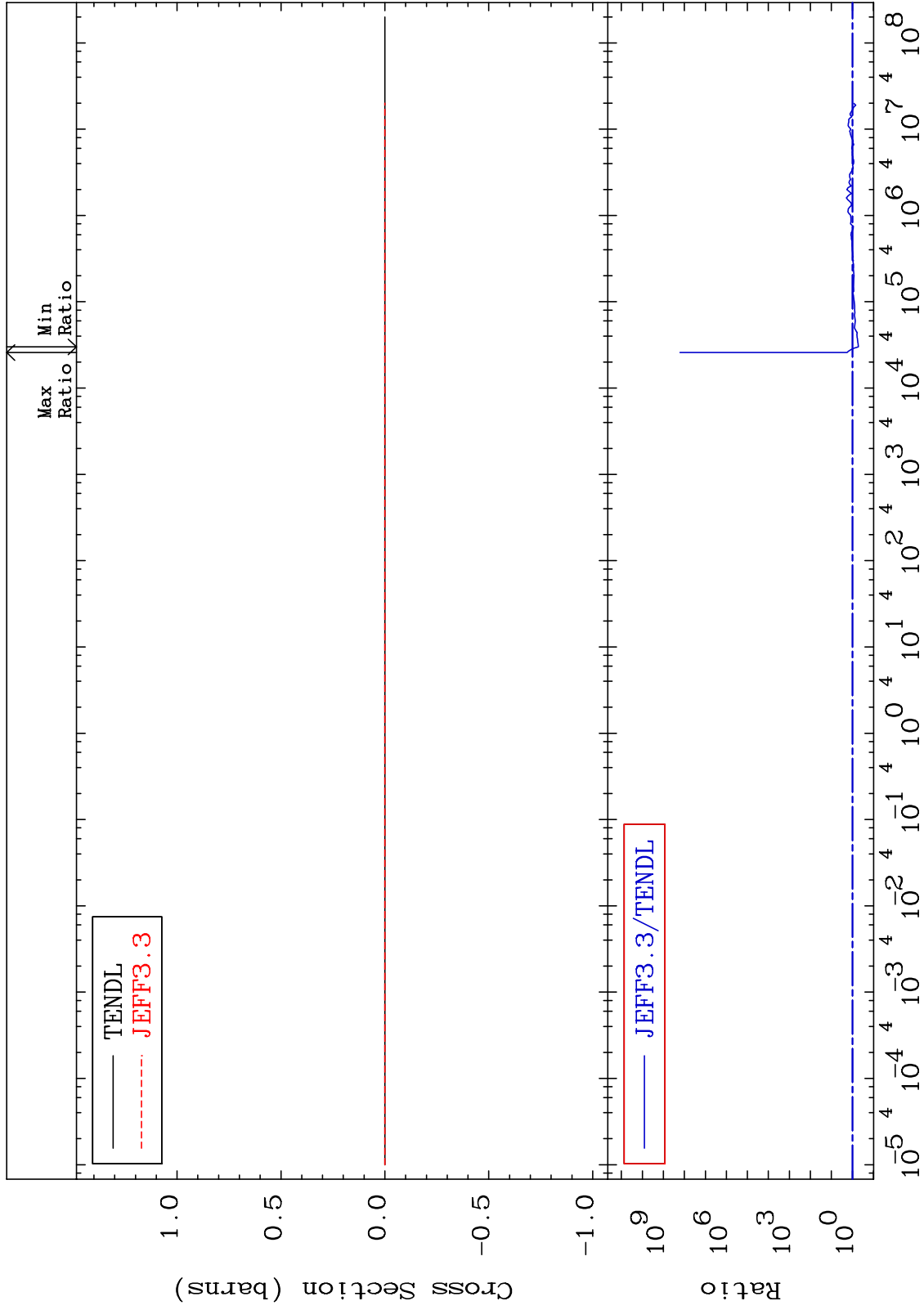
66-Dy-161
-48.23 To 9999. %



MAT 6640

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

66-Dy-161
-48.23 To 9999. %



39

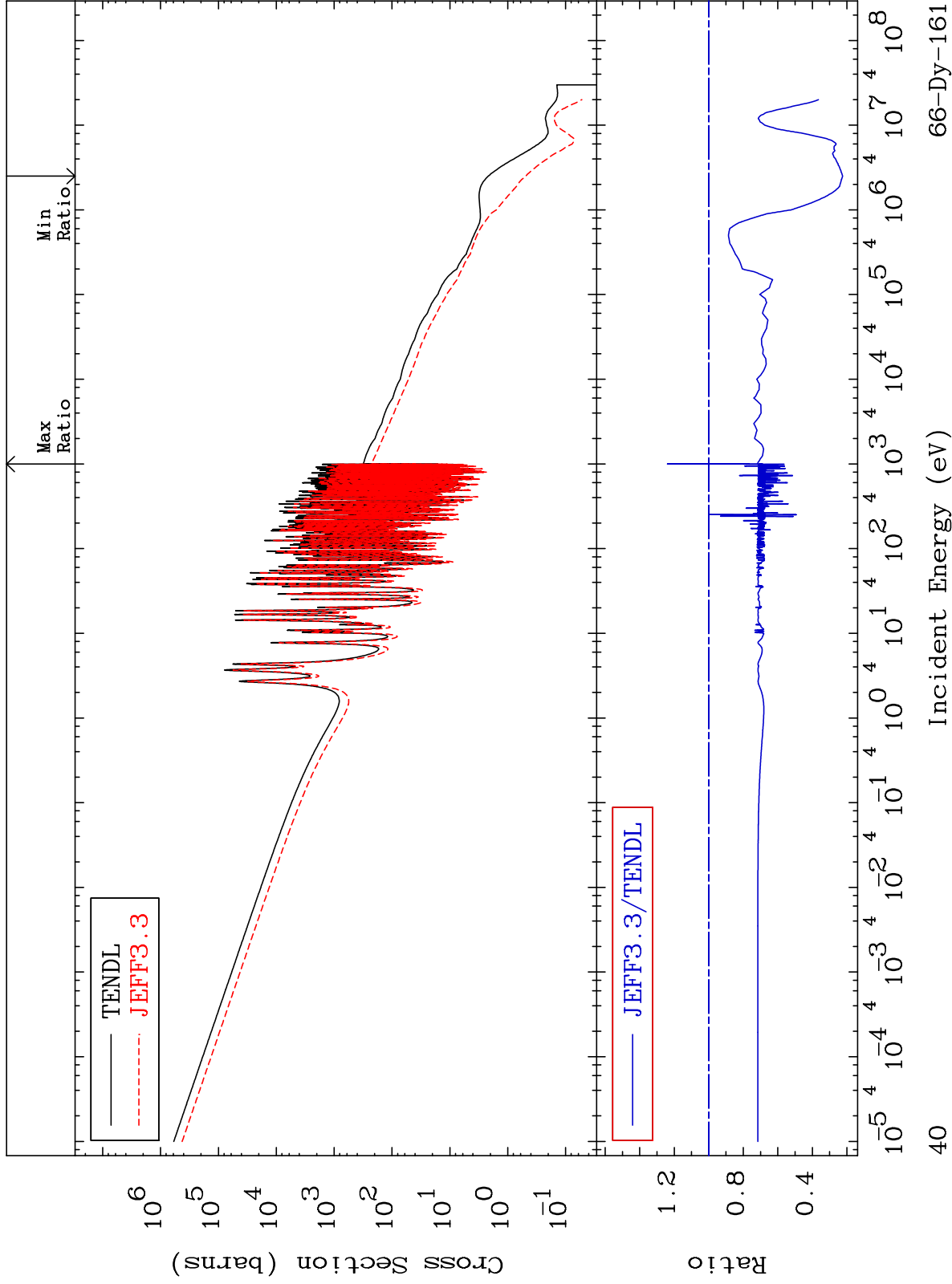
Incident Energy (eV)

66-Dy-161

MAT 6640

Kerma capture (mt102)
Cross Section

66-Dy-161
-77.54 To 23.87 %



40

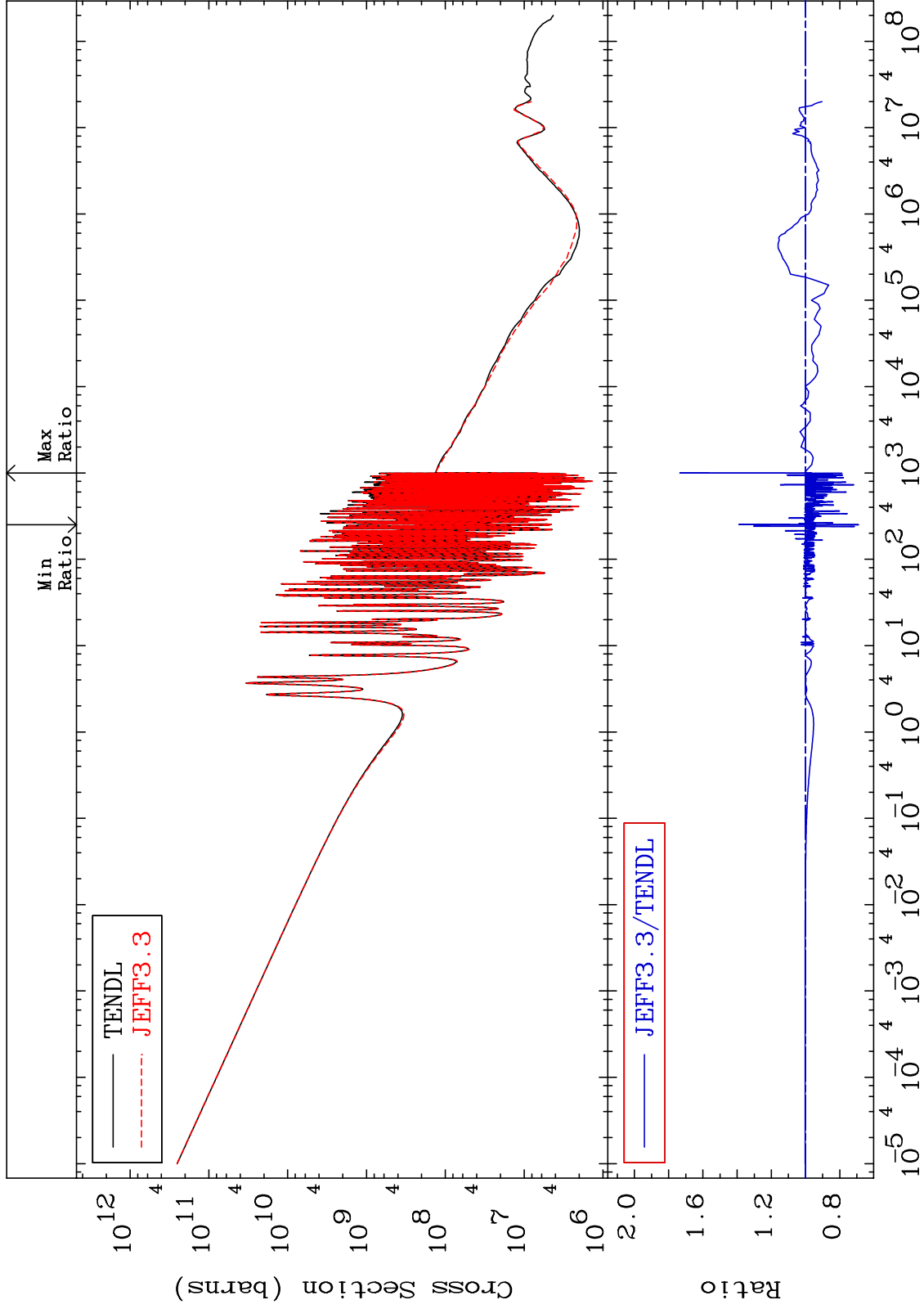
Incident Energy (eV)

66-Dy-161

MAT 6640

Total photon (eV-barns)
Cross Section

66-Dy-161
-30.88 To 73.37 %

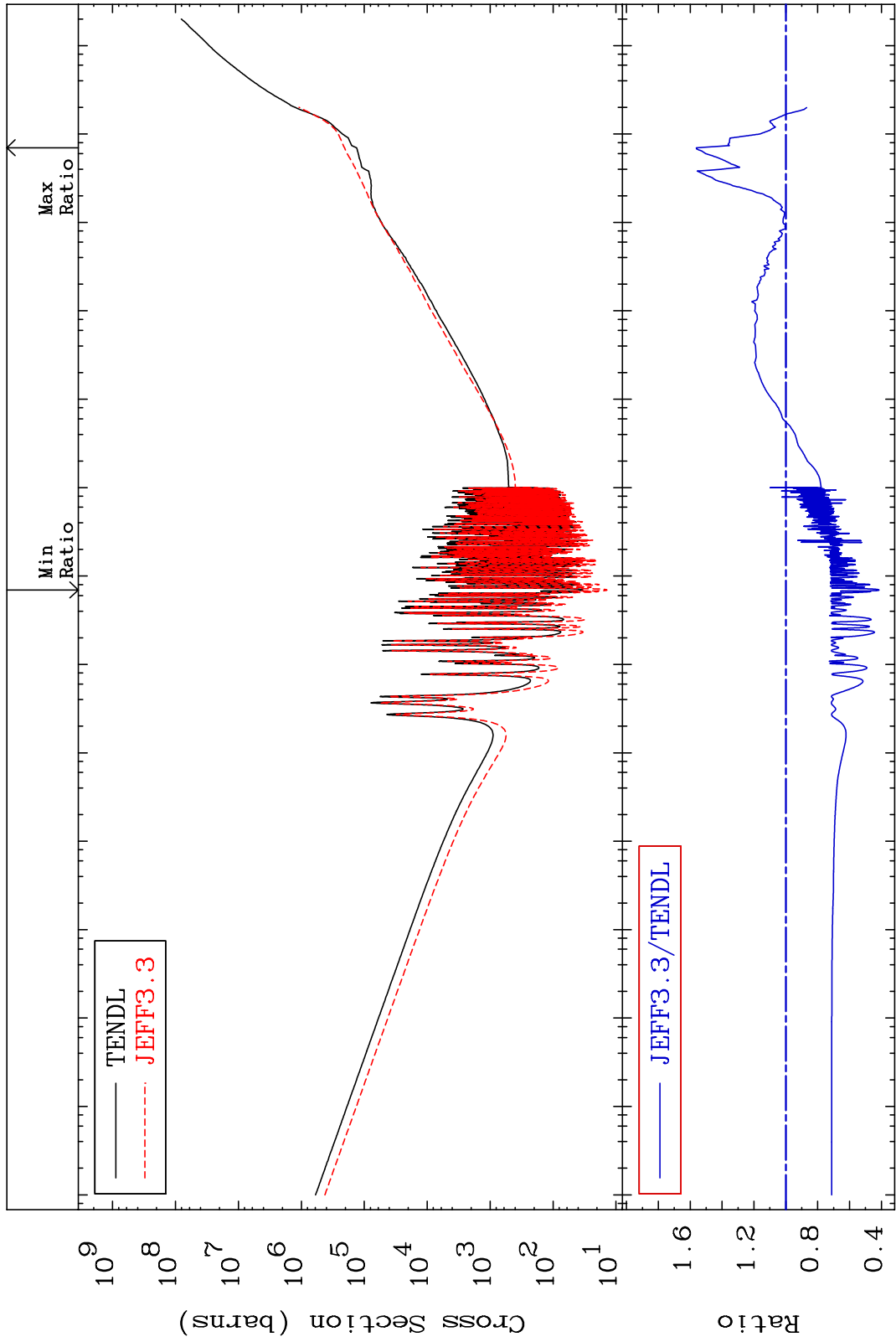


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Incident Energy (eV)

66-Dy-161

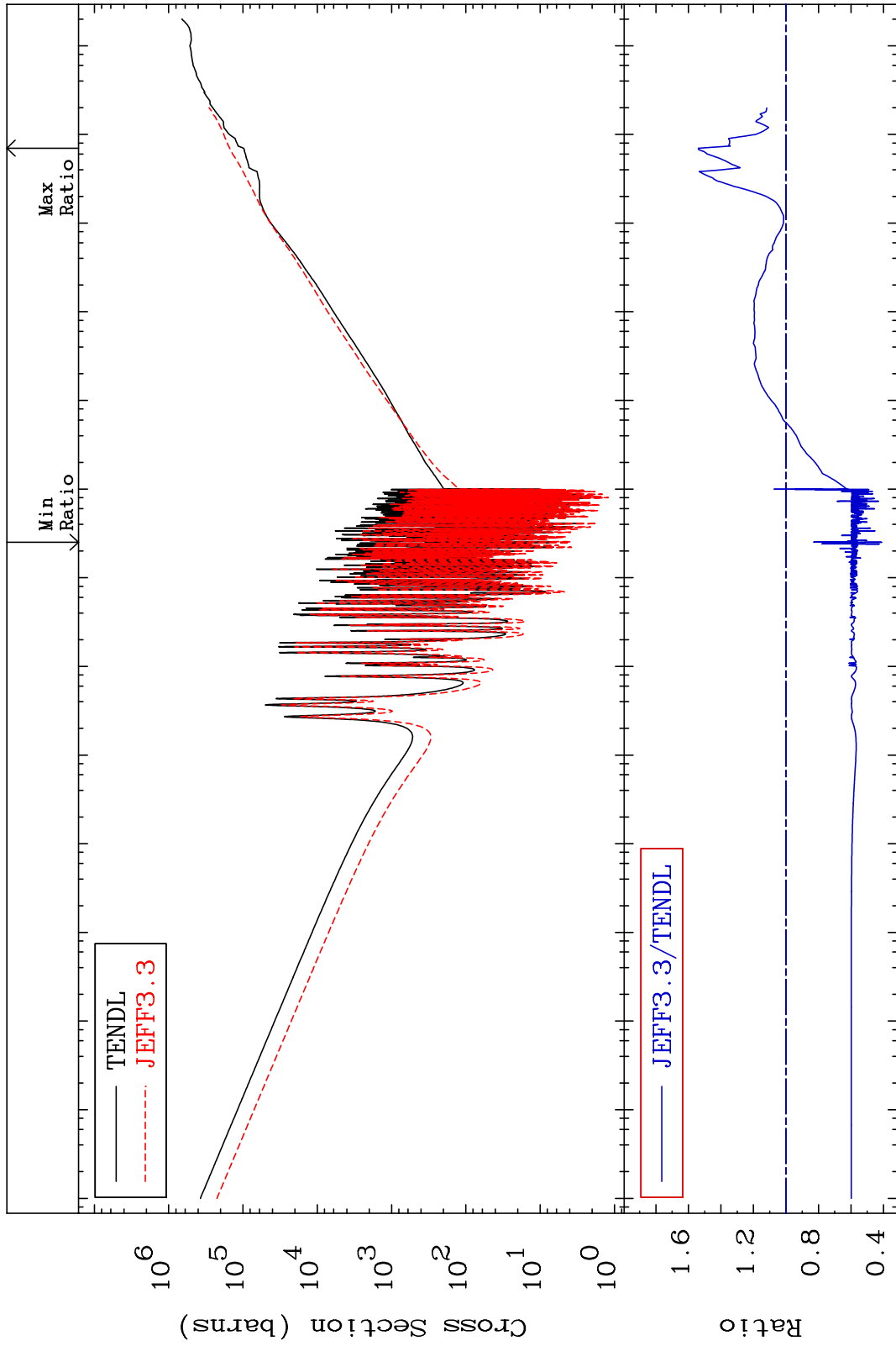
MAT 6640 Total kinematic kerma (high limit) 66-Dy-161
Cross Section -58.51 To 56.12 %



MAT 6640

Dpa total (eV-barns)
Cross Section

66-Dy-161
-58.80 To 53.89 %

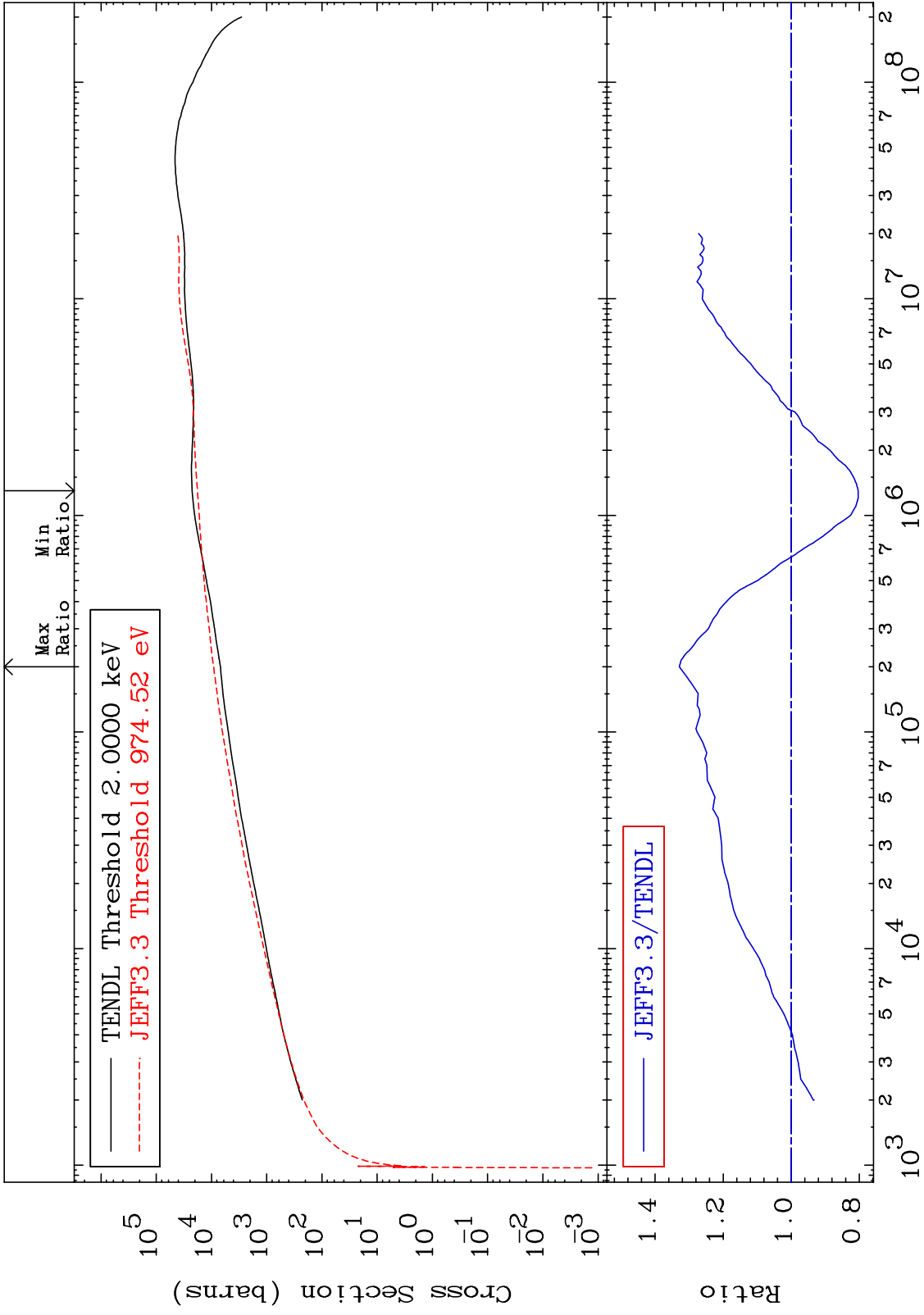


Incident Energy (eV) 66-Dy-161

MAT 6640

Dpa elastic (mt2)
Cross Section

66-Dy-161
-19.71 To 32.87 %



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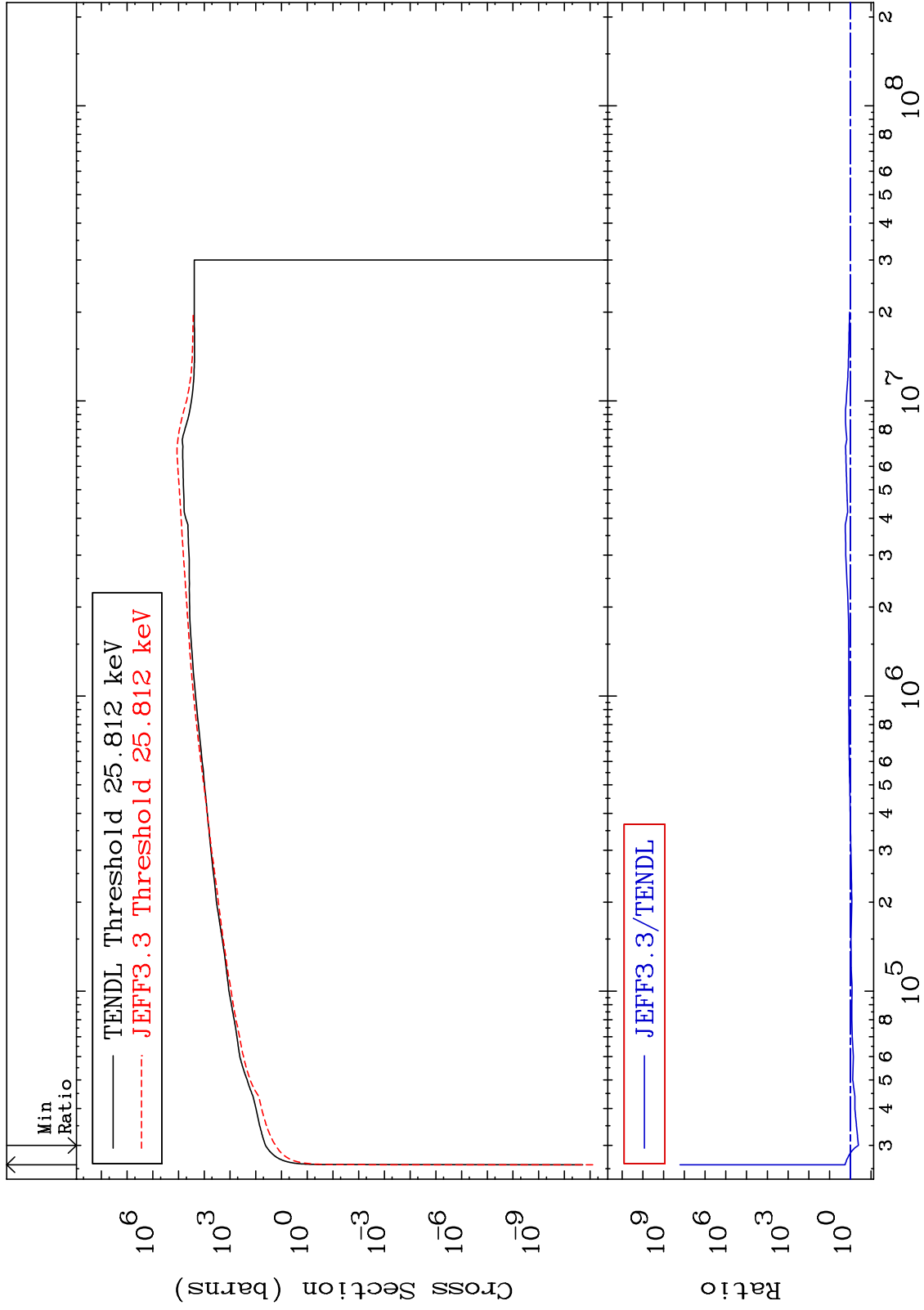
Incident Energy (eV)

66-Dy-161

MAT 6640

Dpa inelastic (mt51-91)
Cross Section

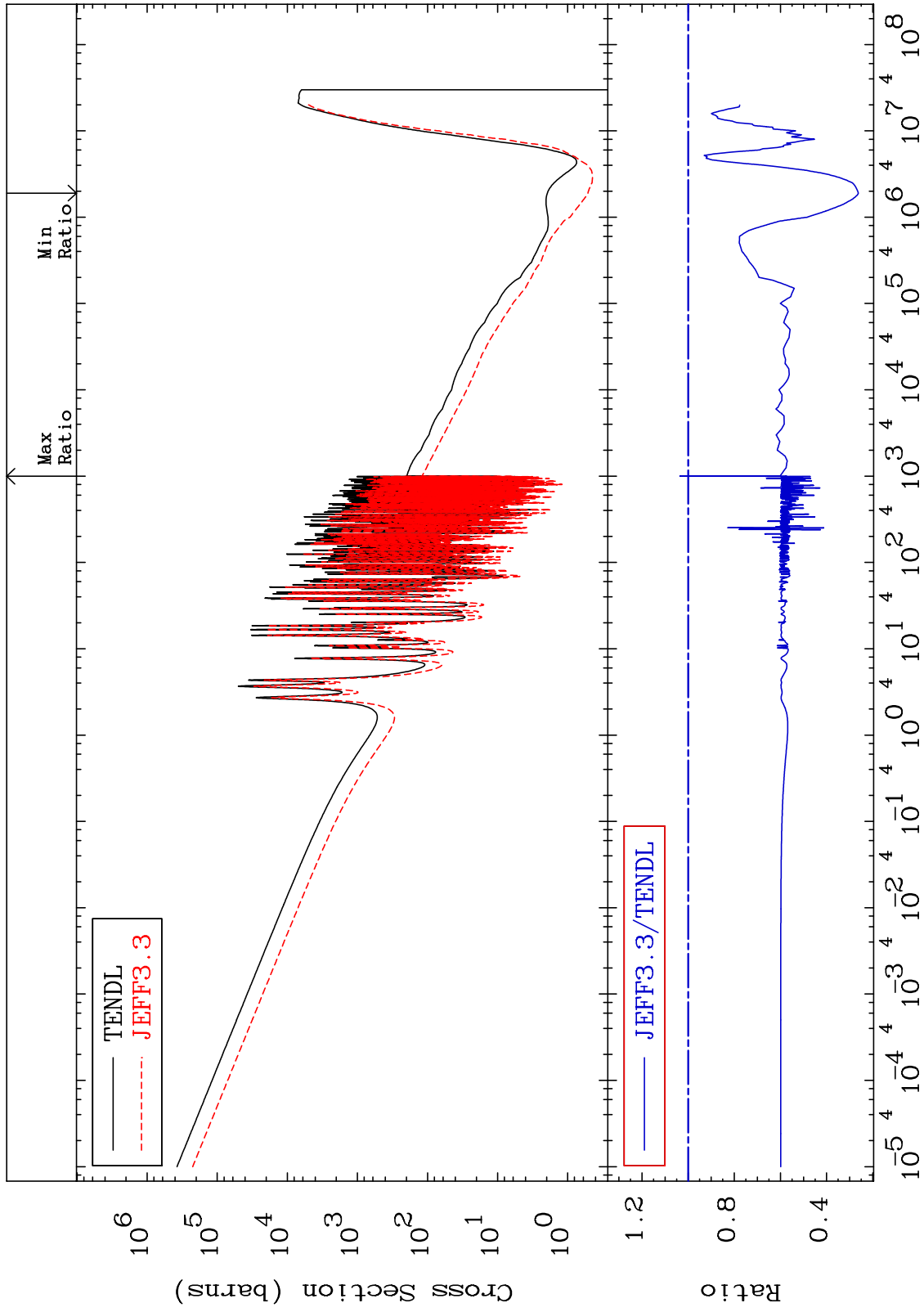
66-Dy-161
-59.20 To 9999. %



MAT 6640

Dpa disappearance (mt102 -120)
Cross Section

66-Dy-161
-73.78 To 3.520 %



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Incident Energy (eV)

66-Dy-161