

Program Complot
(Version 2018-1)

by

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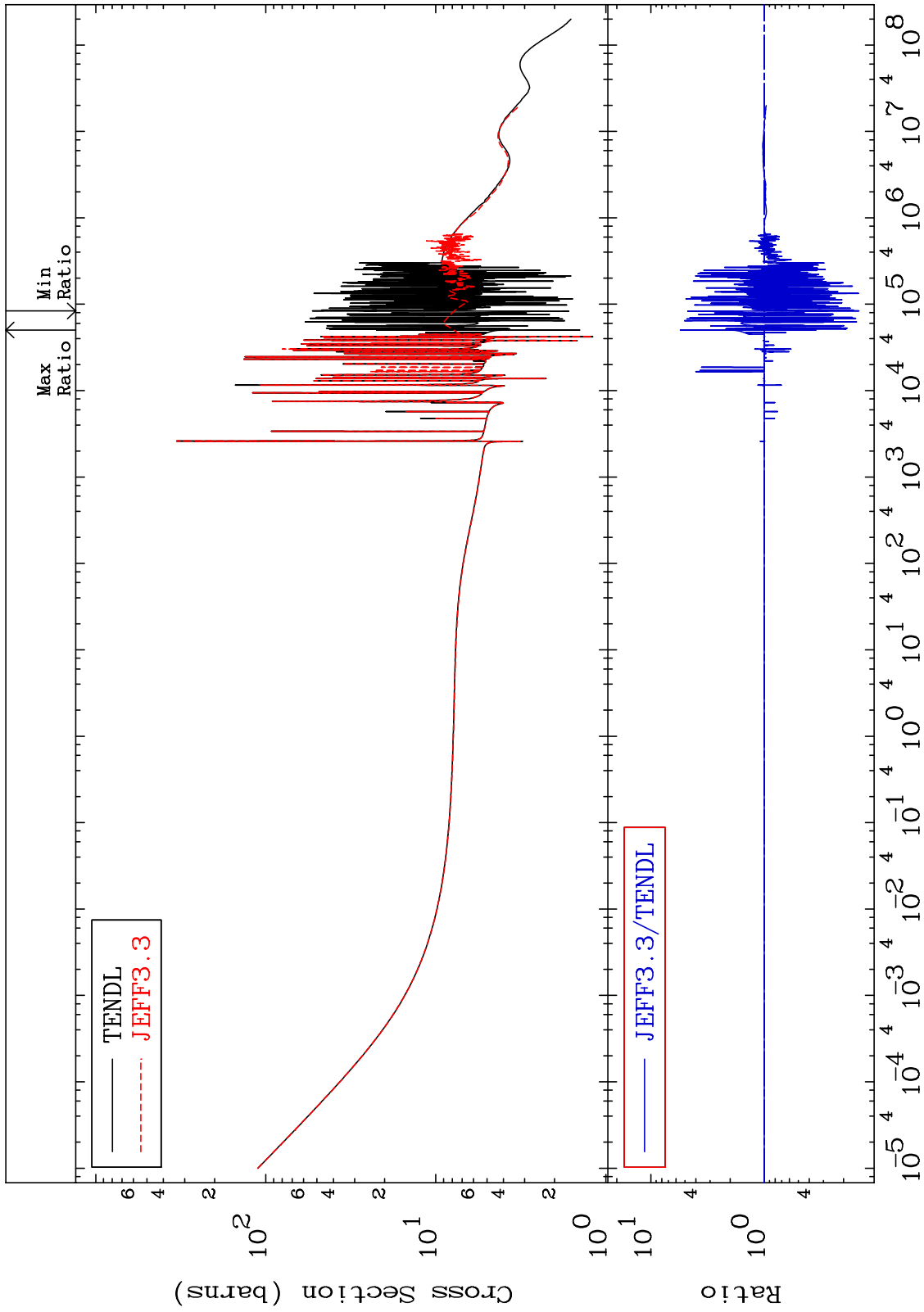
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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3925 Total Cross Section 39-Y -89

-85.38 To 451.0 %



39-Y -89

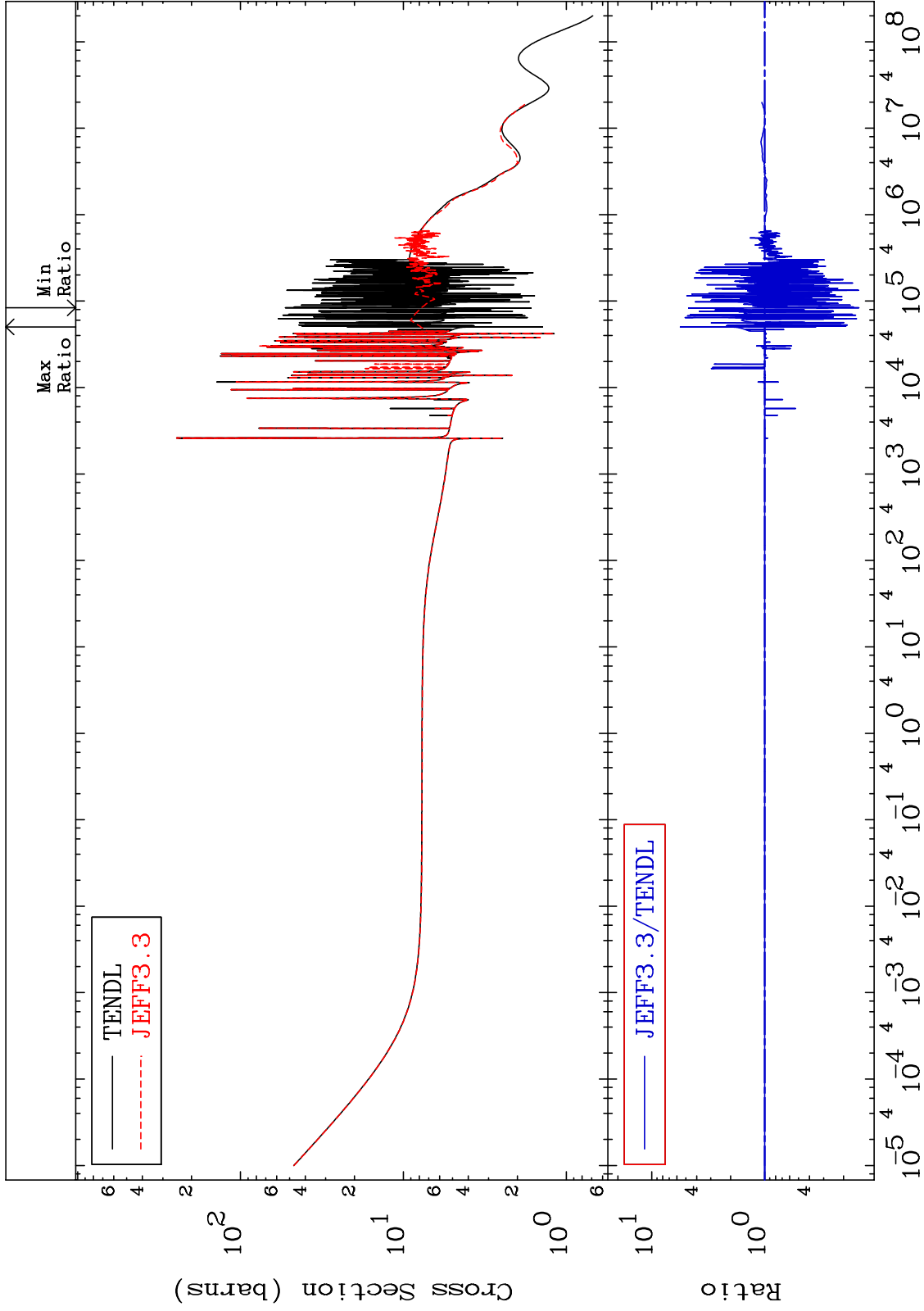
Incident Energy (eV)

1

MAT 3925

Elastic
Cross Section

39-Y -89
-85.39 To 460.4 %

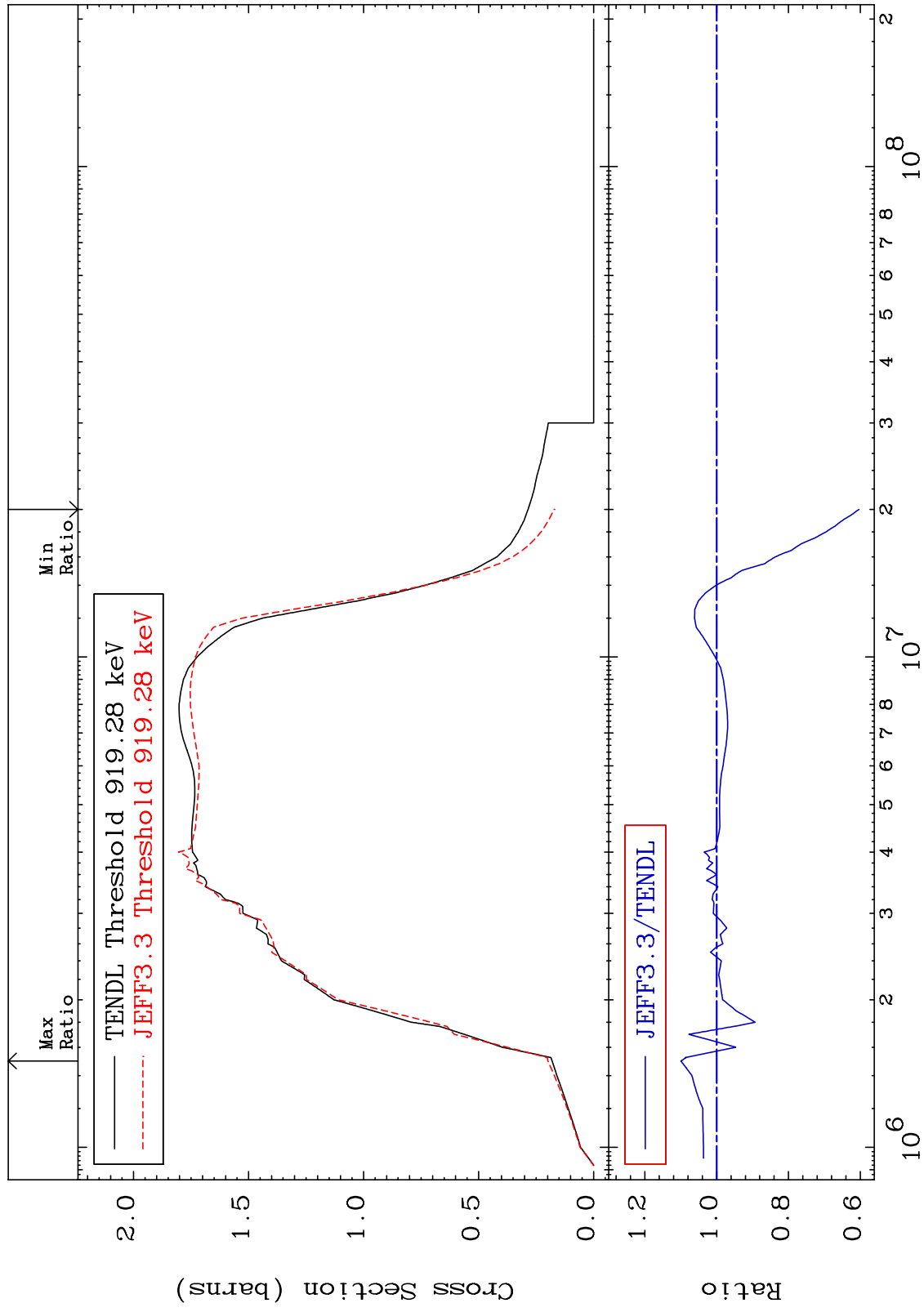


2

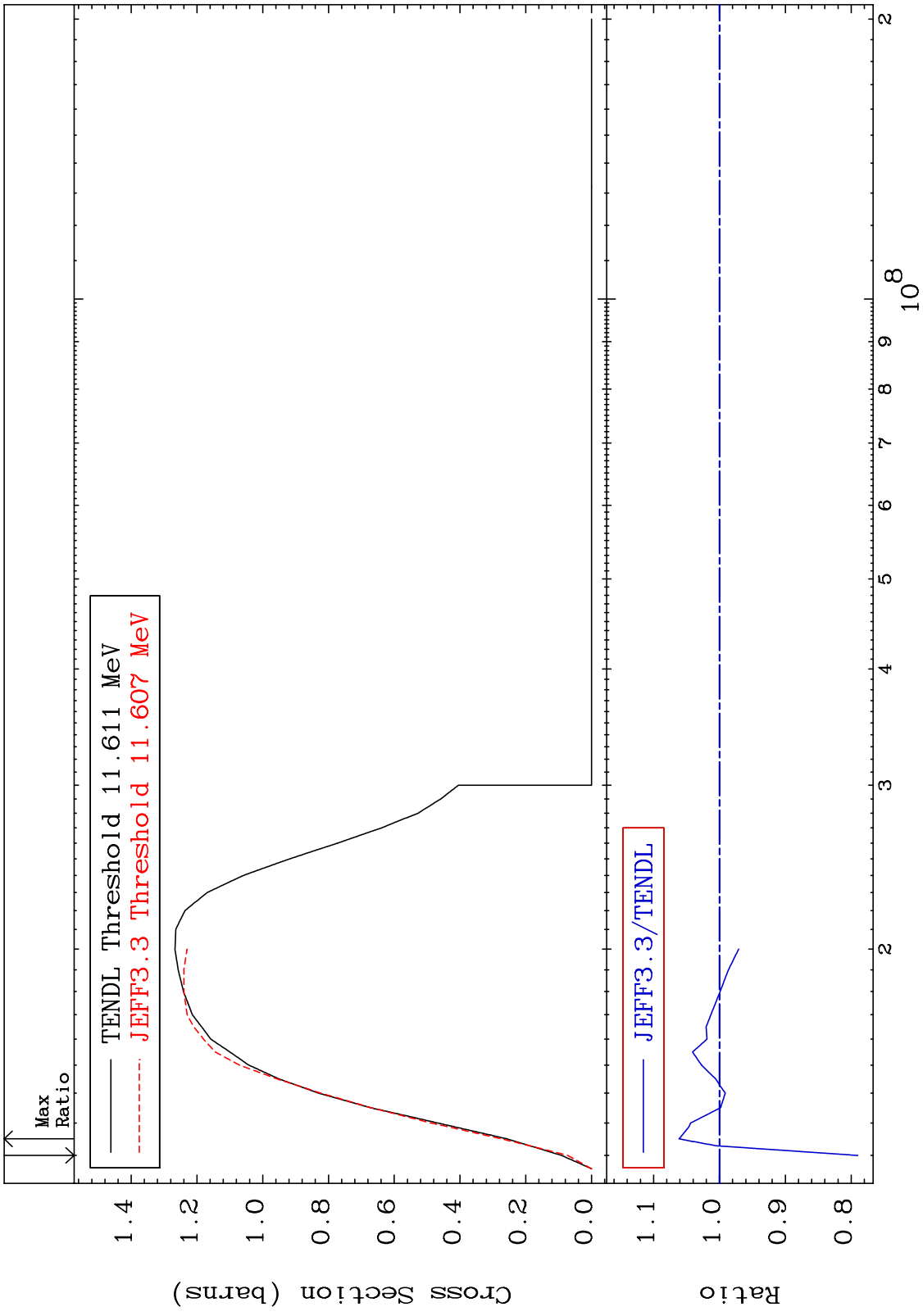
Incident Energy (eV)

39-Y -89

MAT 3925 Inelastic Cross Section 39-Y -89 -39.66 To 9.982 %



39-Y -89



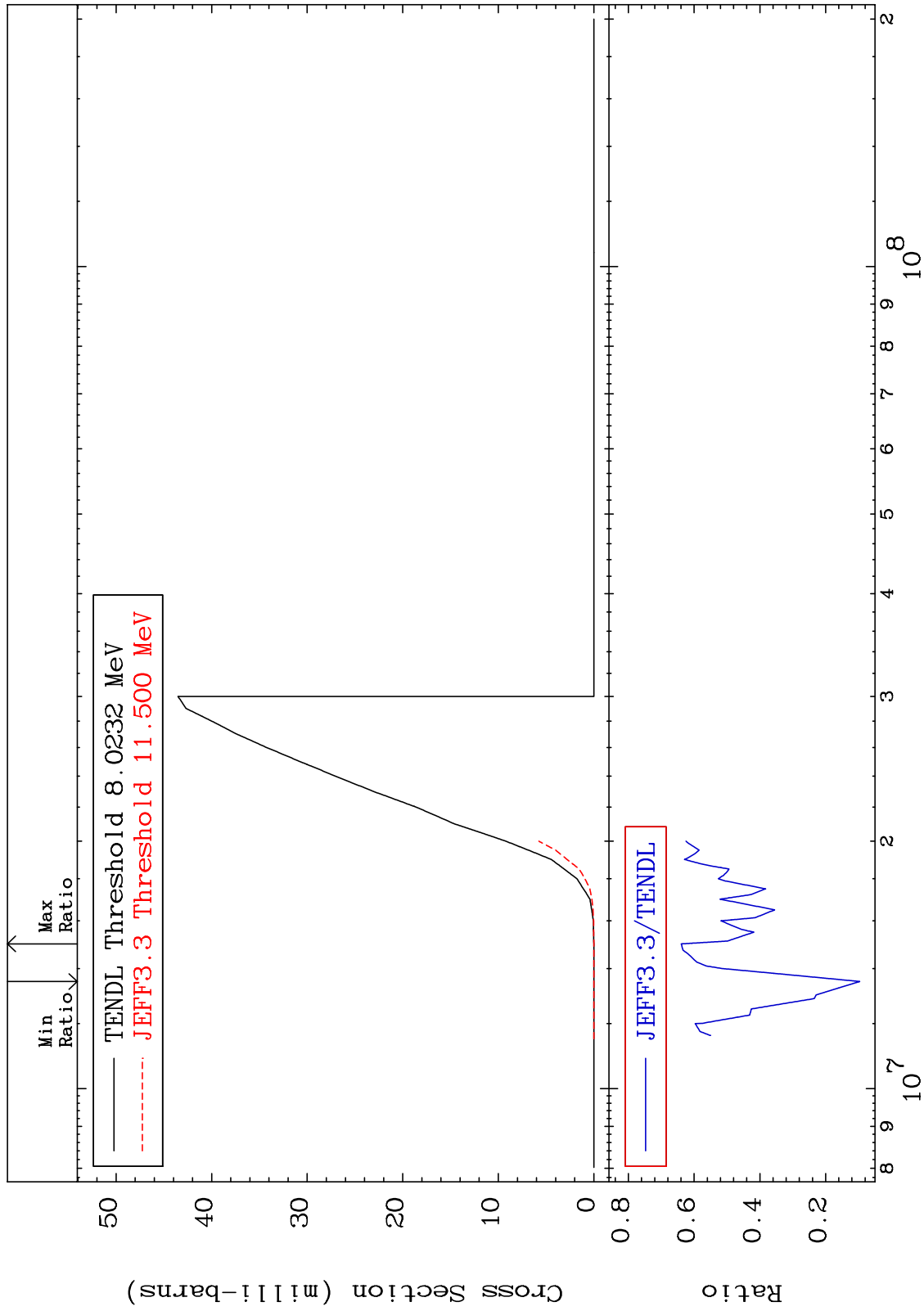
MAT 3925

(n,n') α

39-Y -89

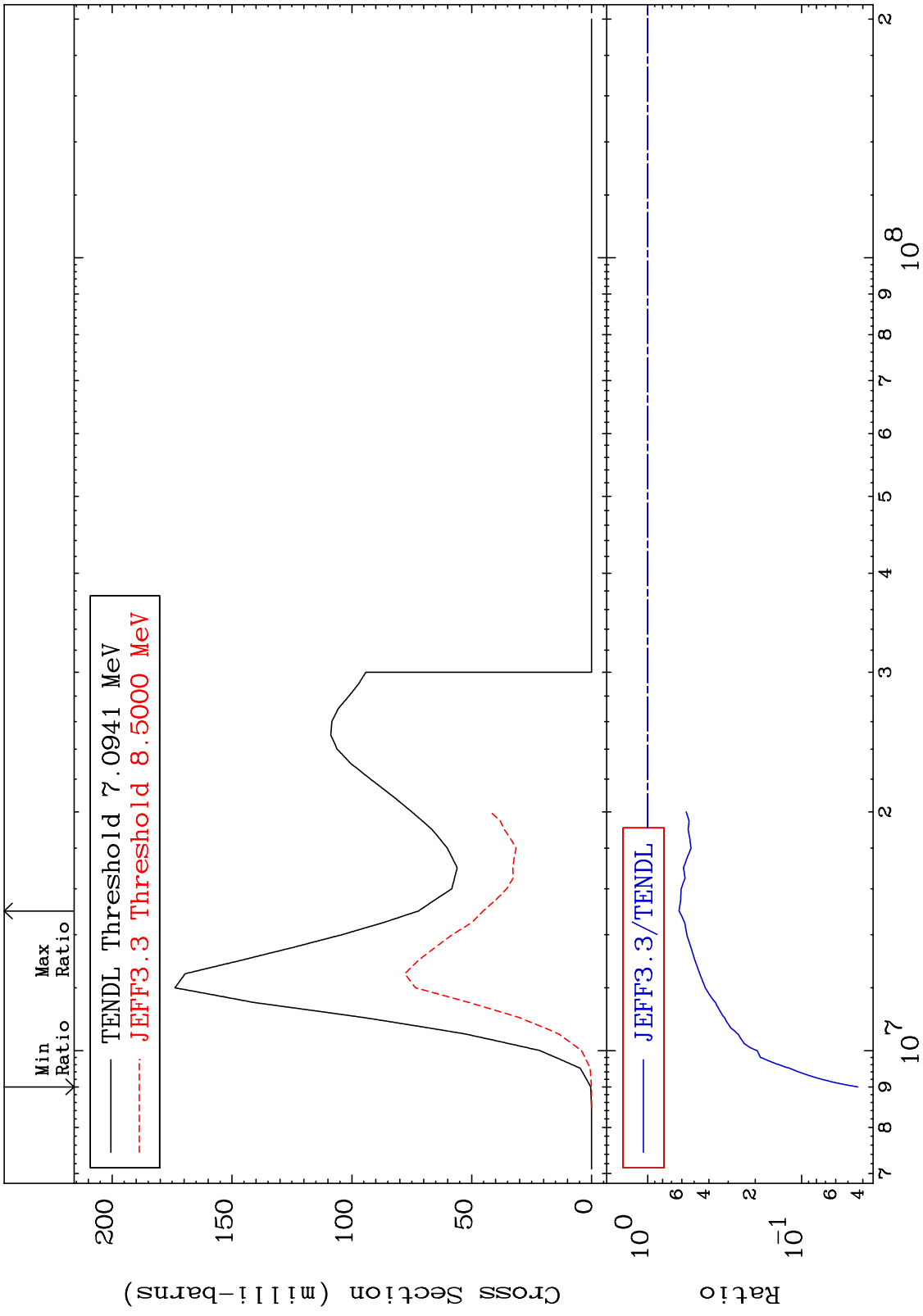
Cross Section

-90.37 To -36.08%

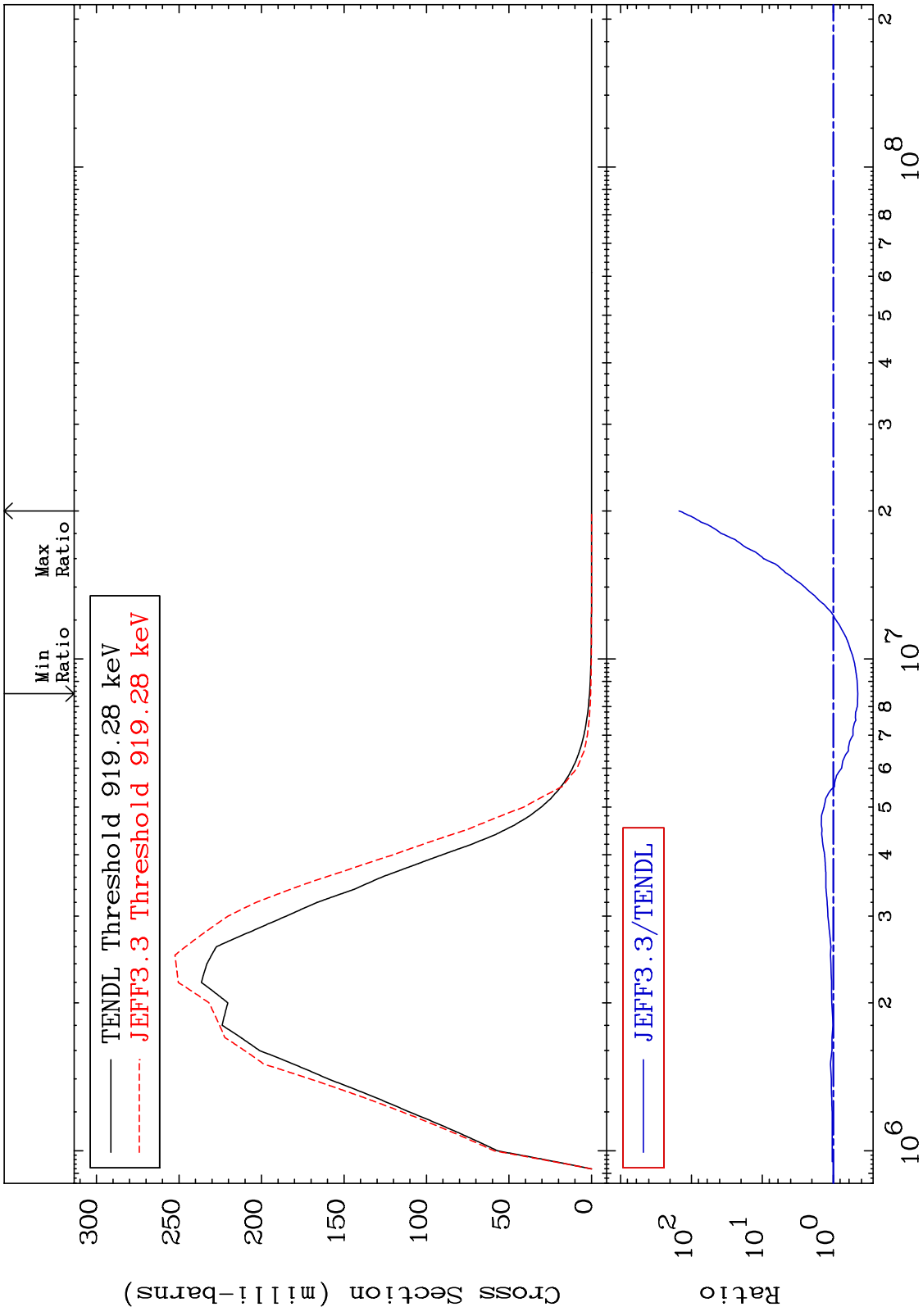


5

39-Y -89



MAT 3925 MT= 51 (n,n') Level Cross Section -54.93 To 9999. % 39-Y -89

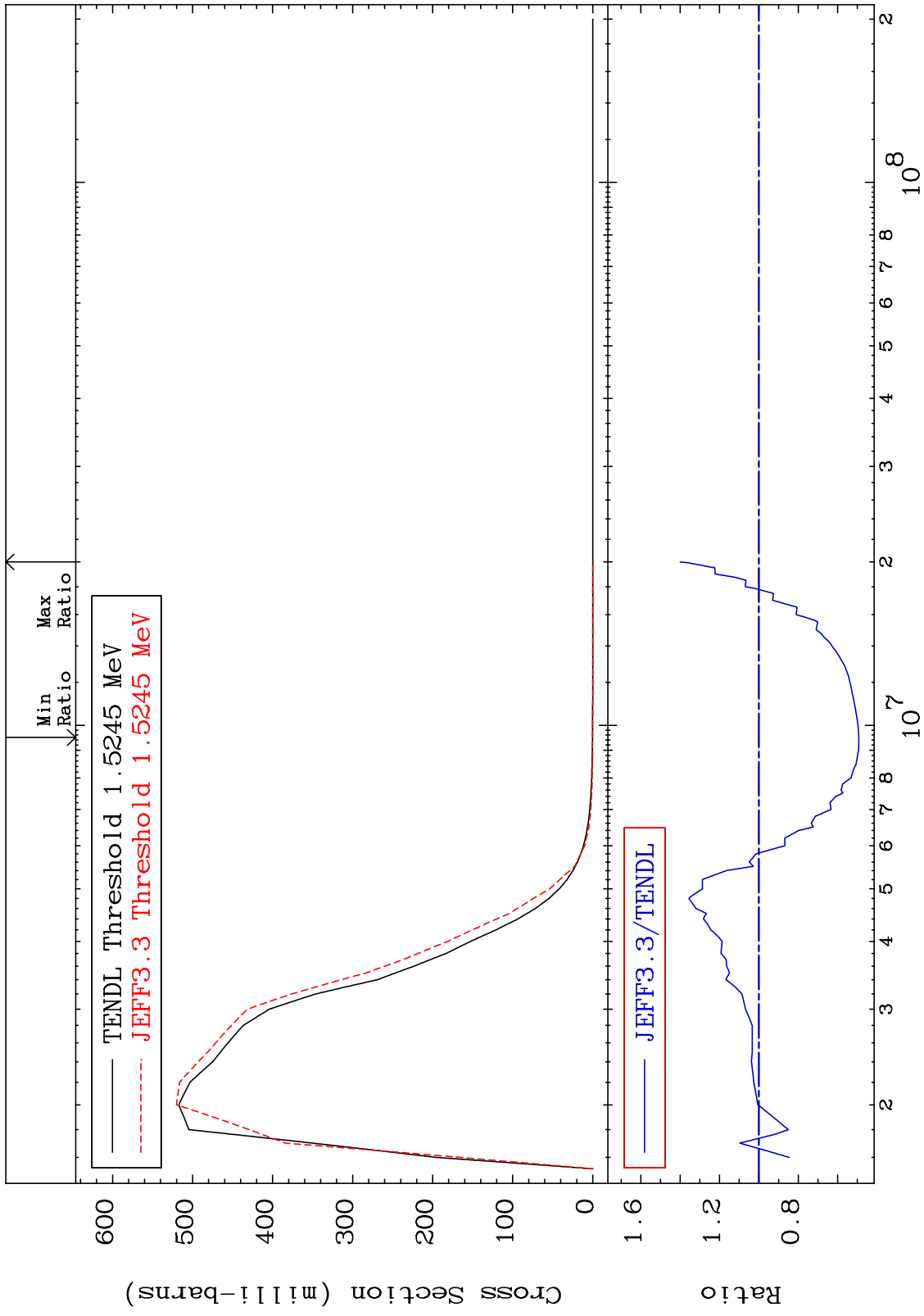


39-Y -89

MAT 3925

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

-50.79 To 39.96 %
39-Y -89



8

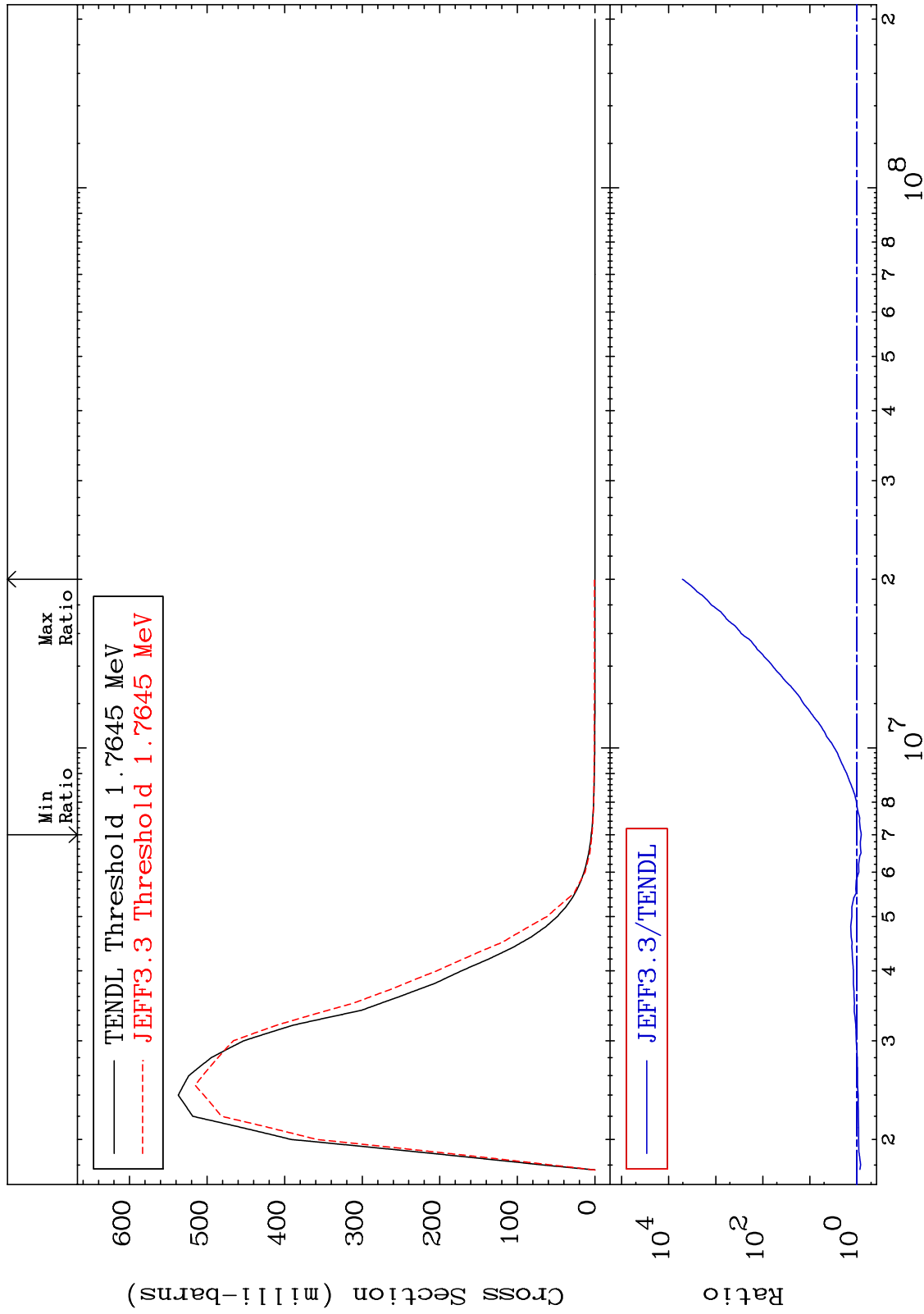
Incident Energy (eV)

39-Y -89

MAT 3925

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

39-Y -89
-19.43 To 9999. %

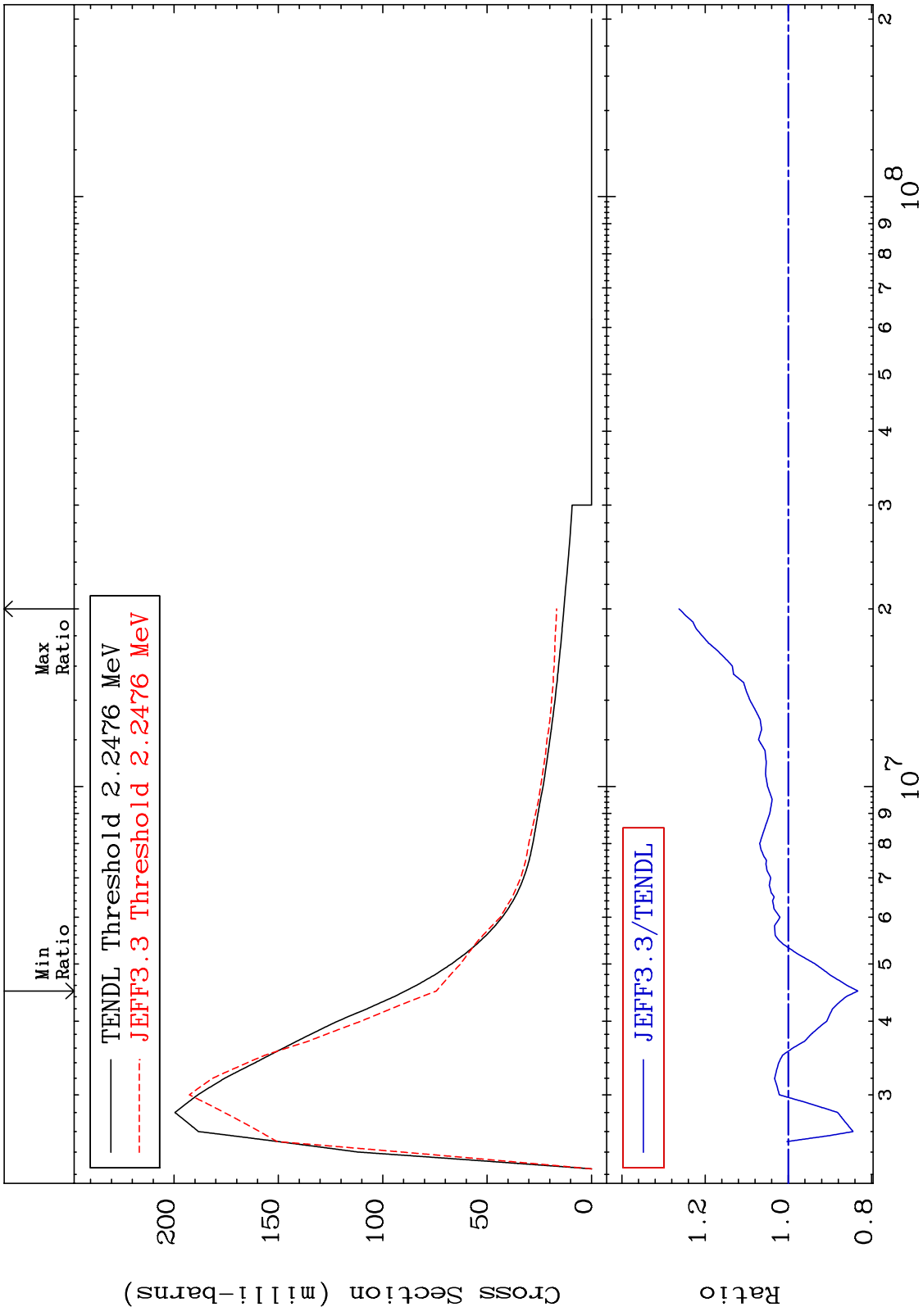


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Incident Energy (eV)

39-Y -89

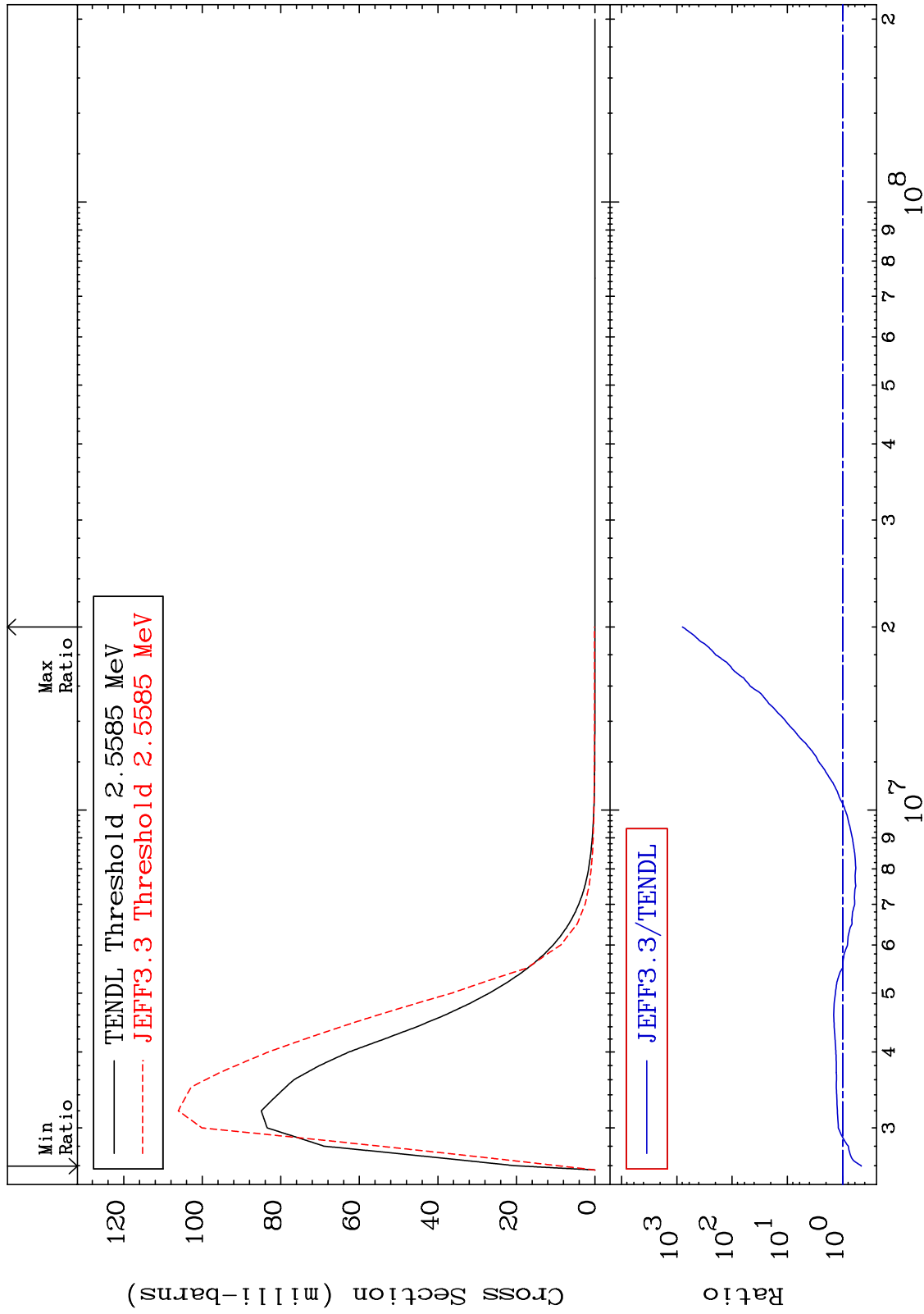
MAT 3925 MT= 54 (n,n') Level Cross Section -16.70 To 26.26 % 39-Y -89



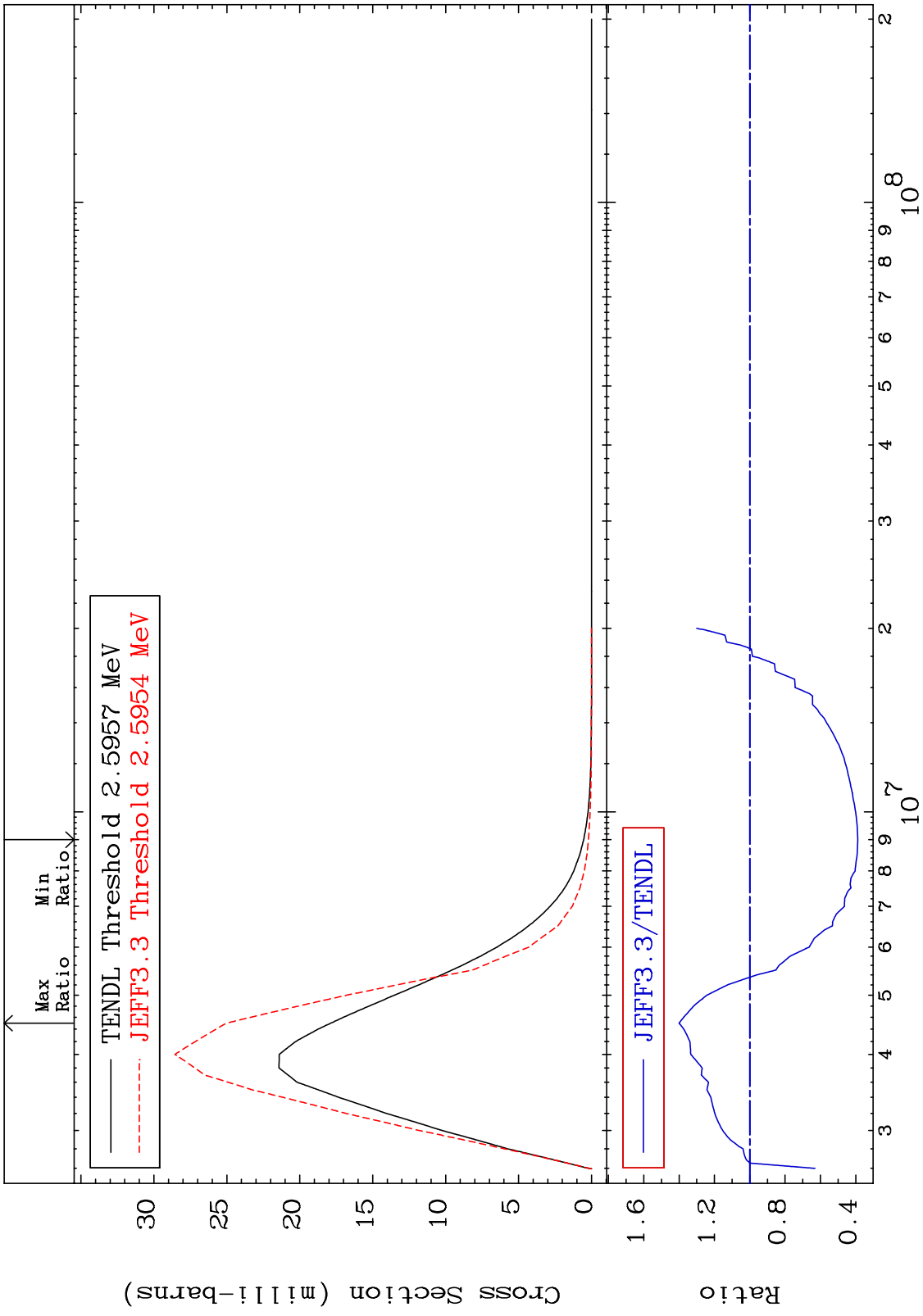
MAT 3925

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

39-Y -89
-53.88 To 9999. %



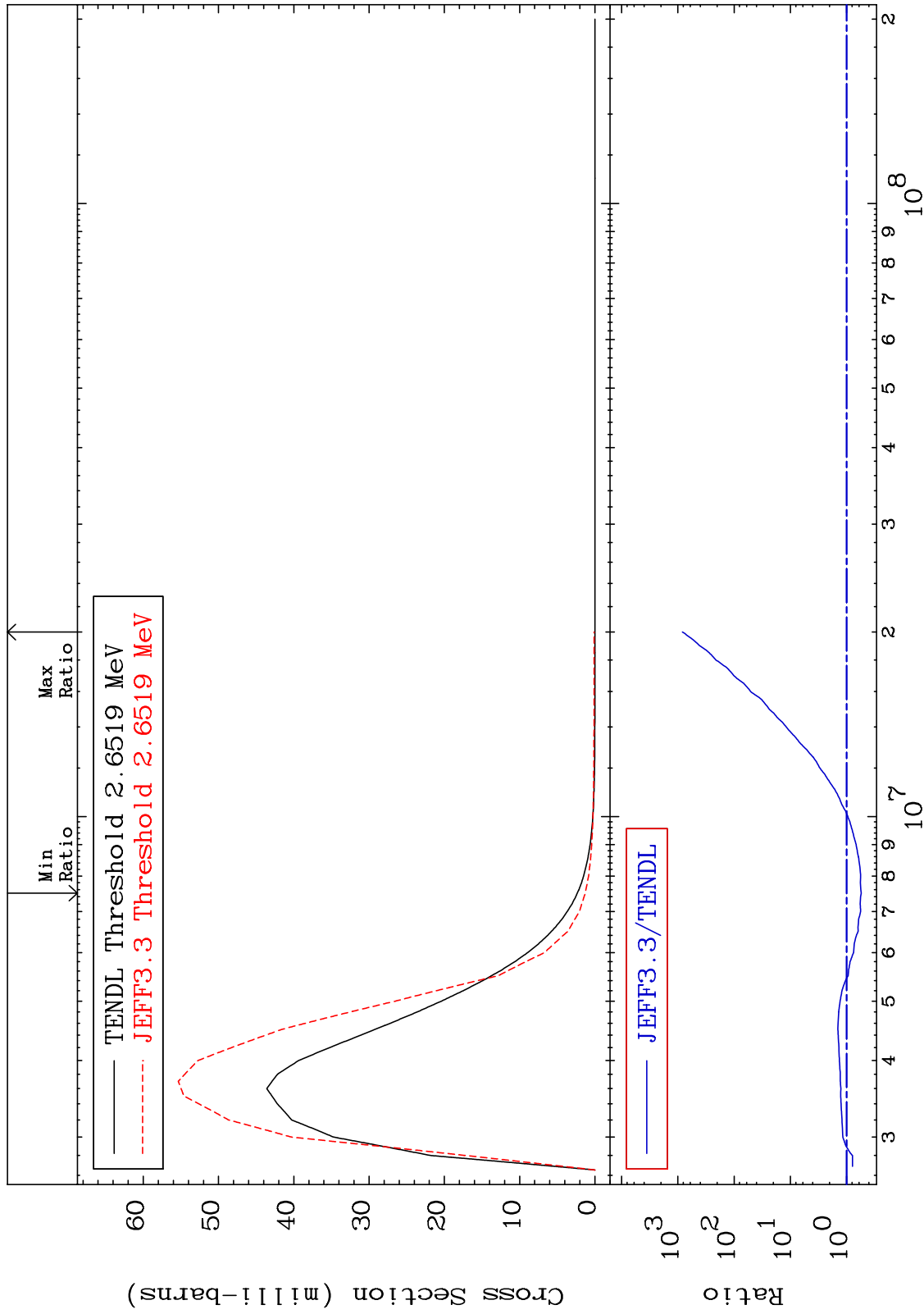
MAT 3925 MT= 56 (n,n') Level Cross Section -61.18 To 40.03 % 39-Y -89



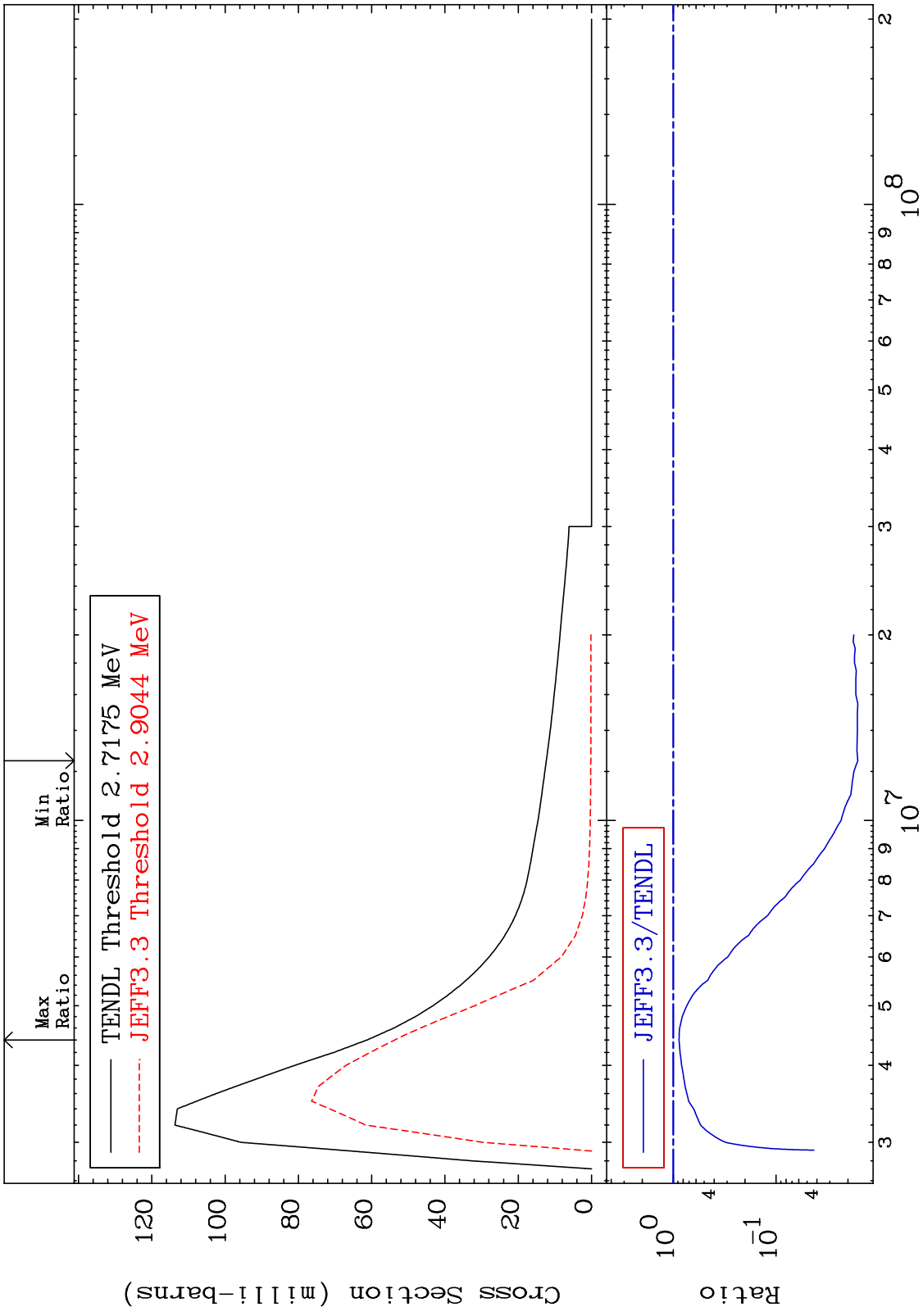
MAT 3925

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

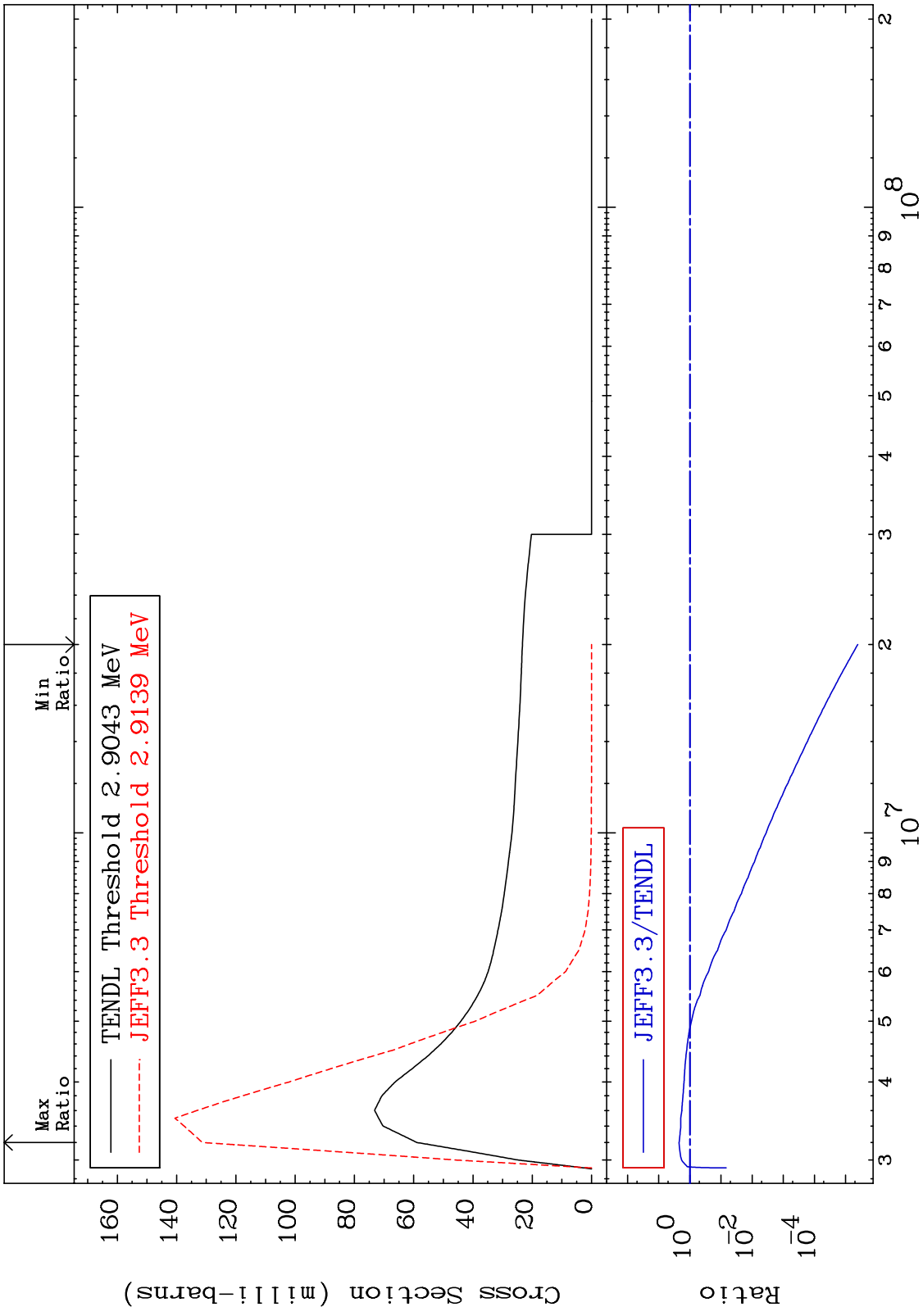
39-Y -89
-45.35 To 9999. %



MAT 3925 MT= 58 (n,n') Level Cross Section 39-Y -89
 -98.40 To -12.28%

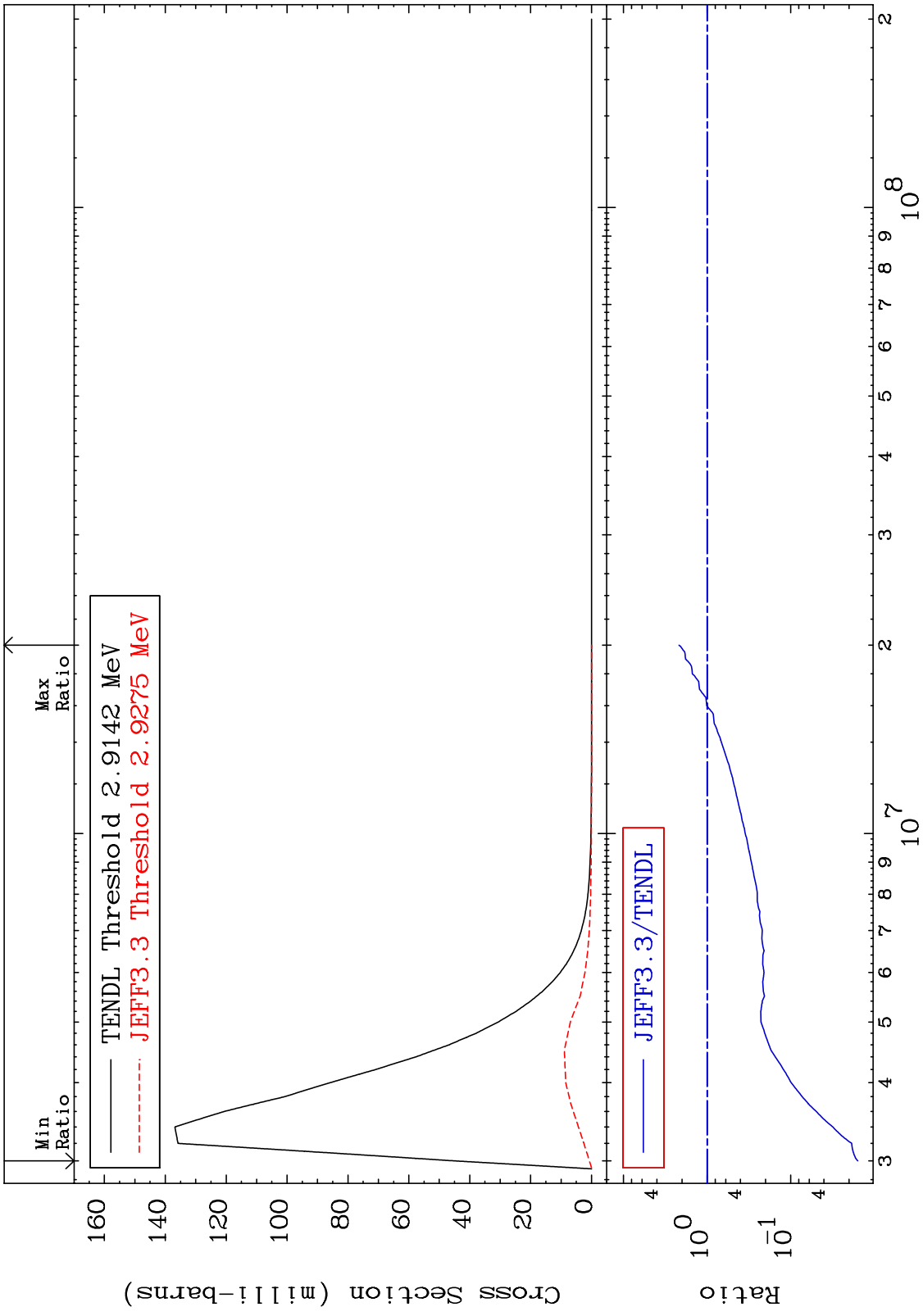


MAT 3925 MT= 59 (n,n') Level Cross Section -100.0 To 122.8 % 39-Y -89

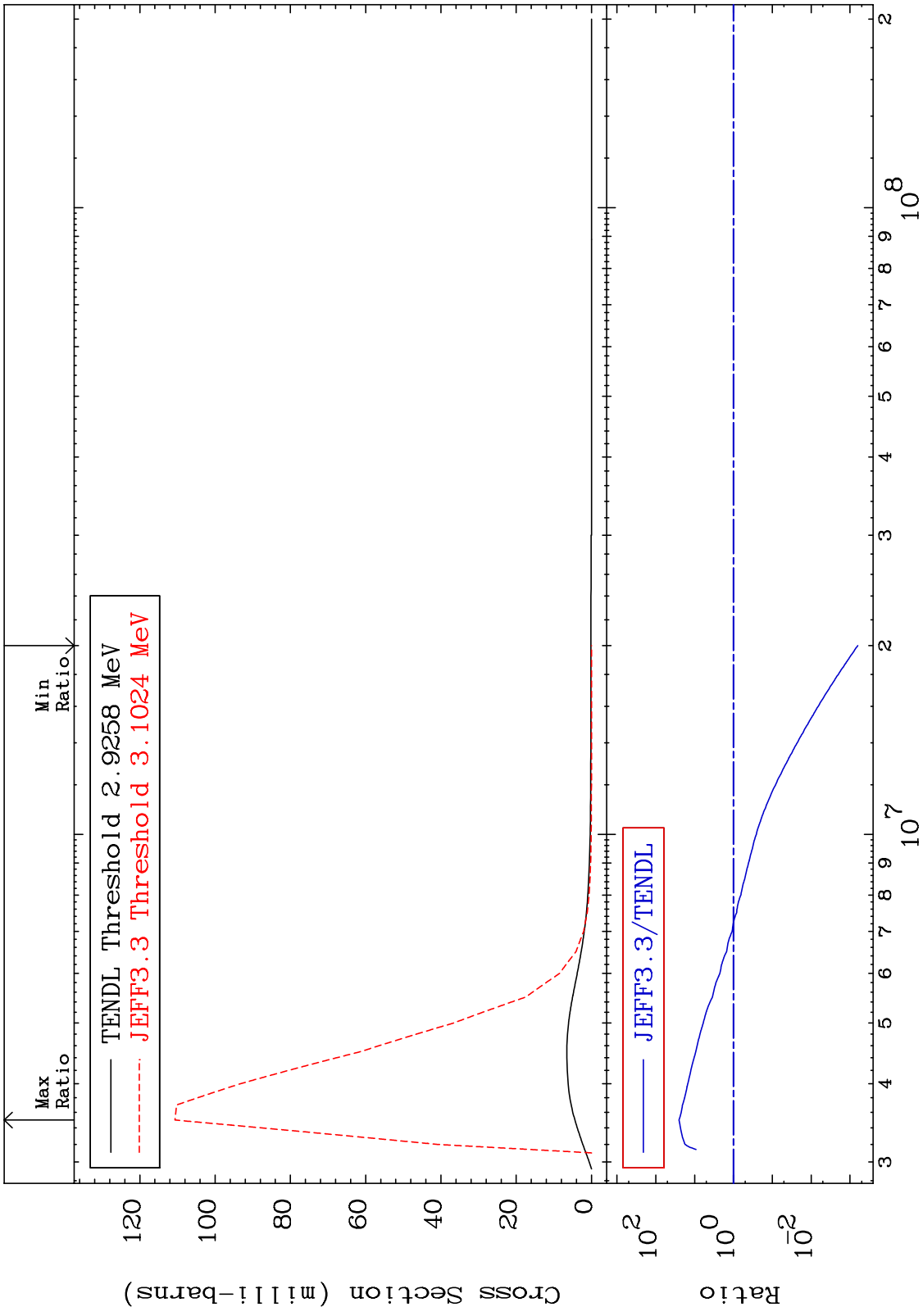


15 39-Y -89

MAT 3925 MT= 60 (n,n') Level Cross Section -98.43 To 116.8 % 39-Y -89



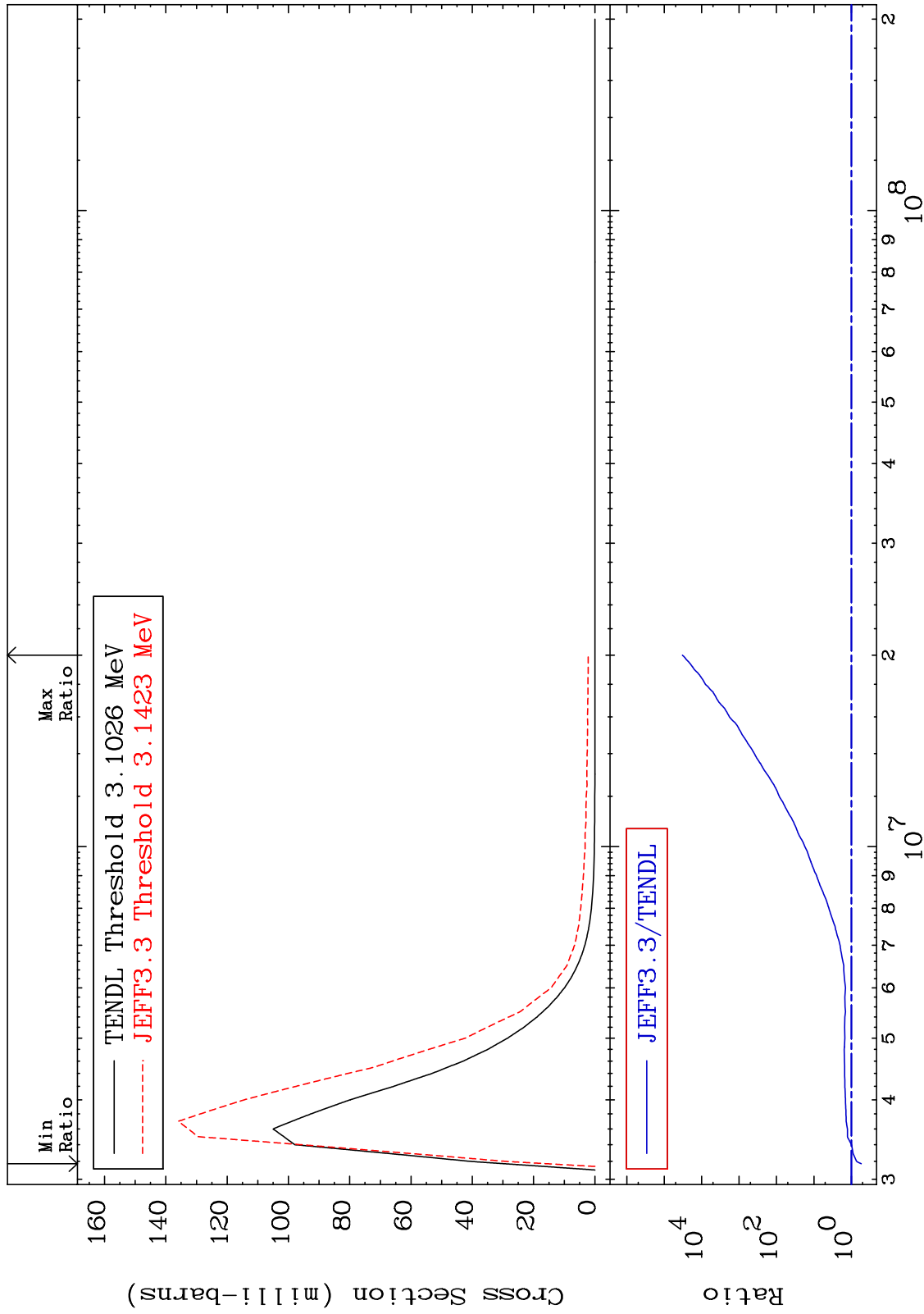
MAT 3925 MT= 61 (n,n') Level Cross Section -99.94 To 2418. % 39-Y -89



MAT 3925

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

39-Y -89
-45.89 To 9999. %

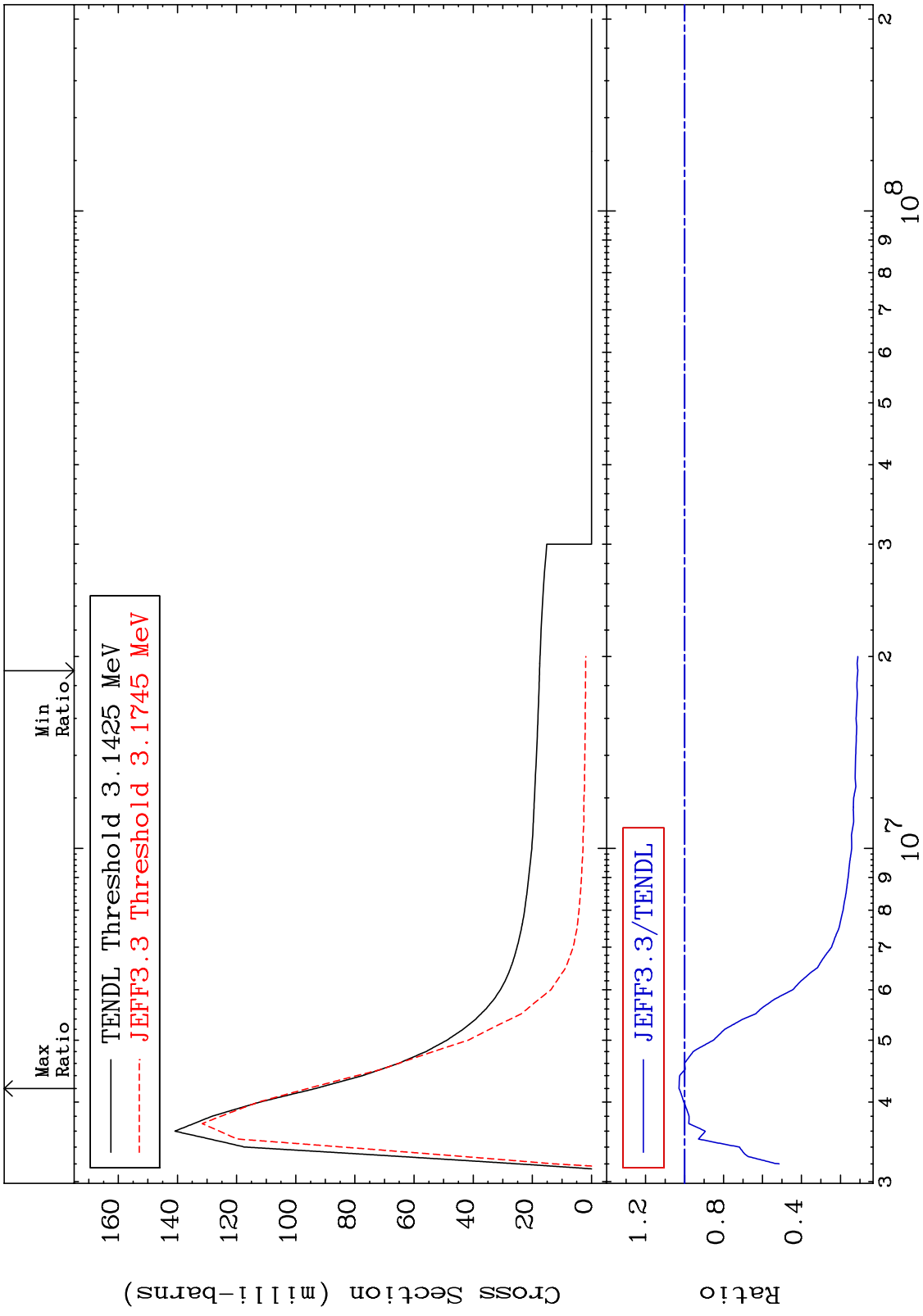


18

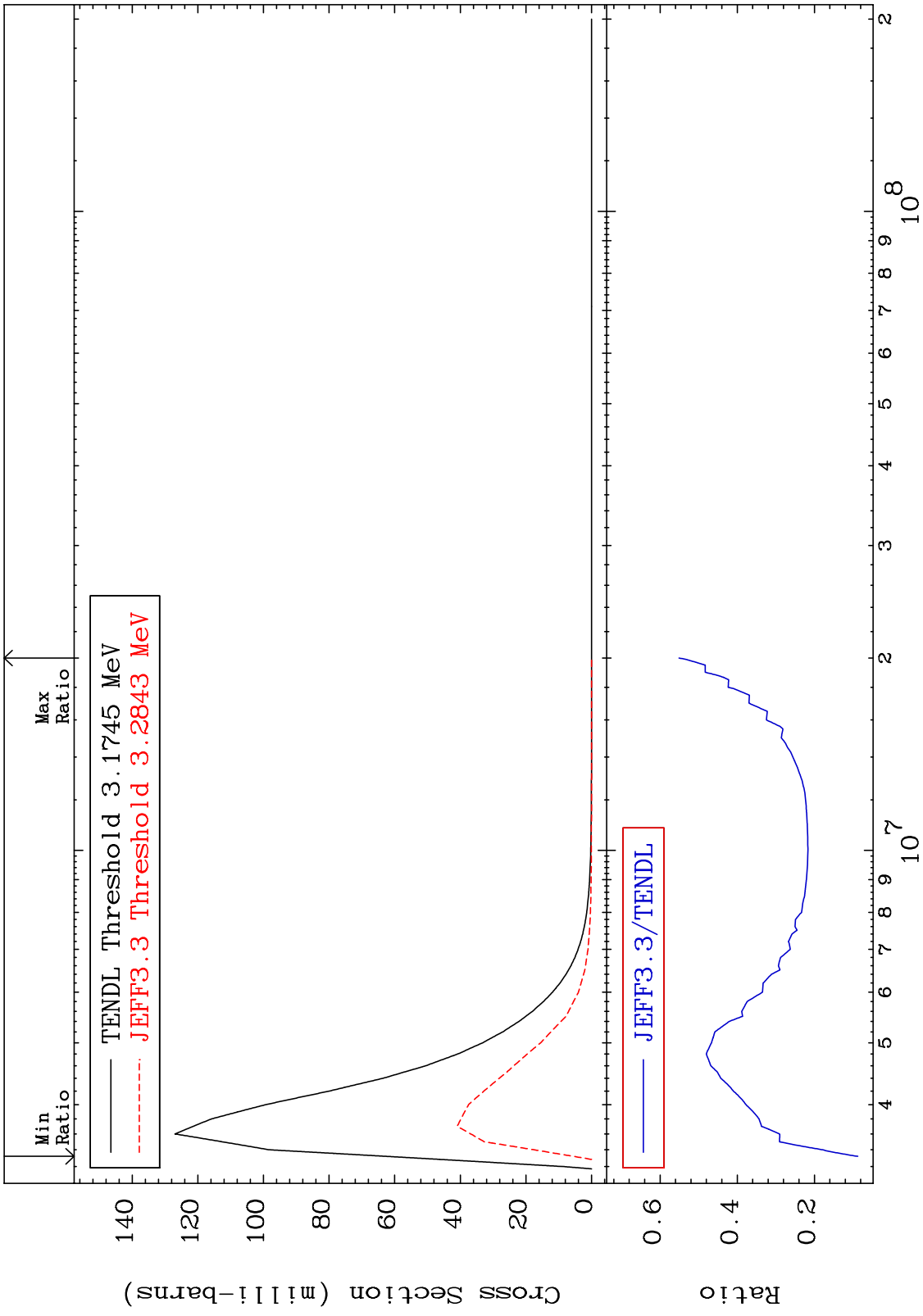
Incident Energy (eV)

39-Y -89

MAT 3925 MT= 63 (n,n') Level Cross Section -88.94 To 2.841 % 39-Y -89



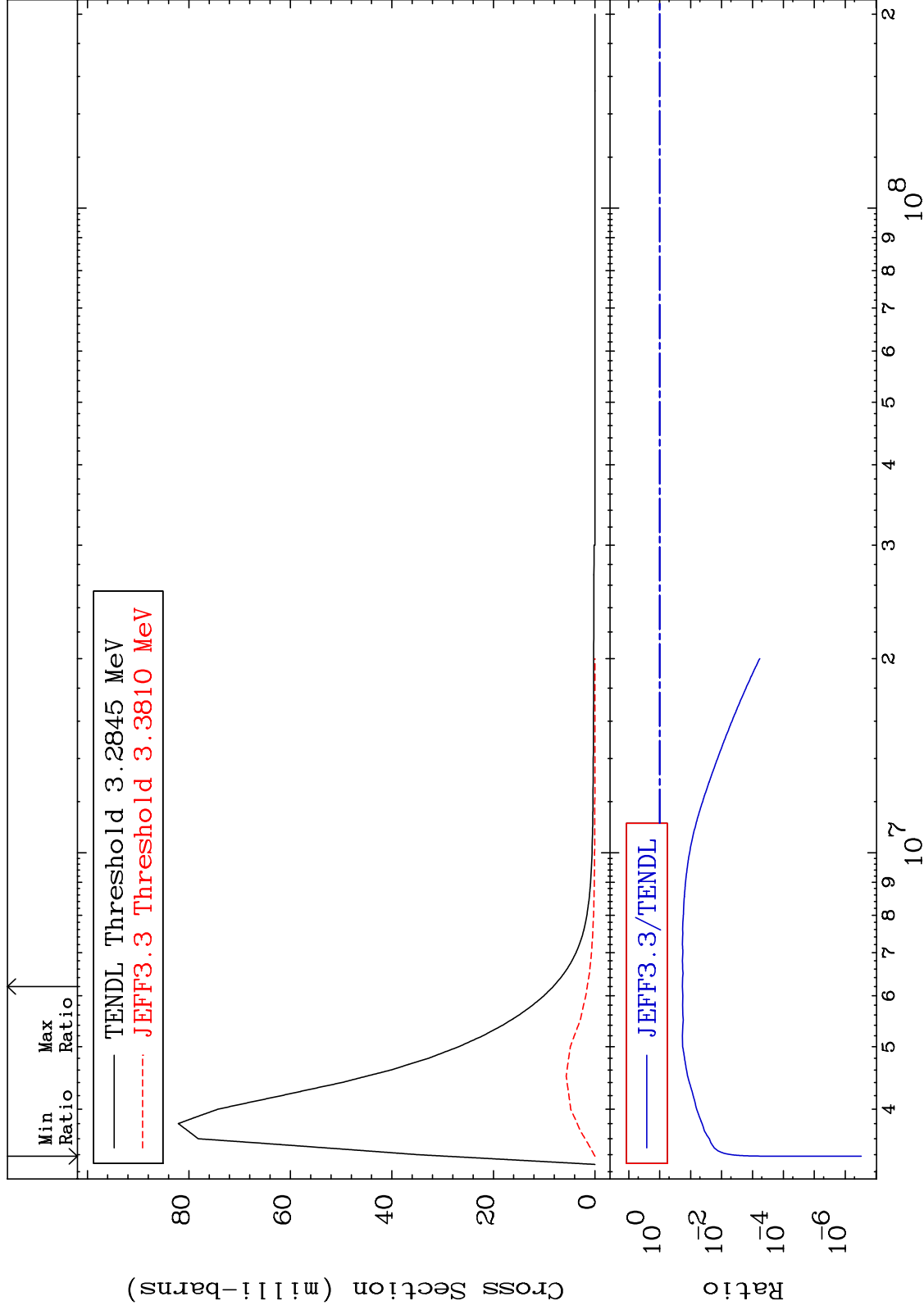
MAT 3925 MT= 64 (n,n') Level Cross Section 39-Y -89
 -91.25 To -44.91%



MAT 3925

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

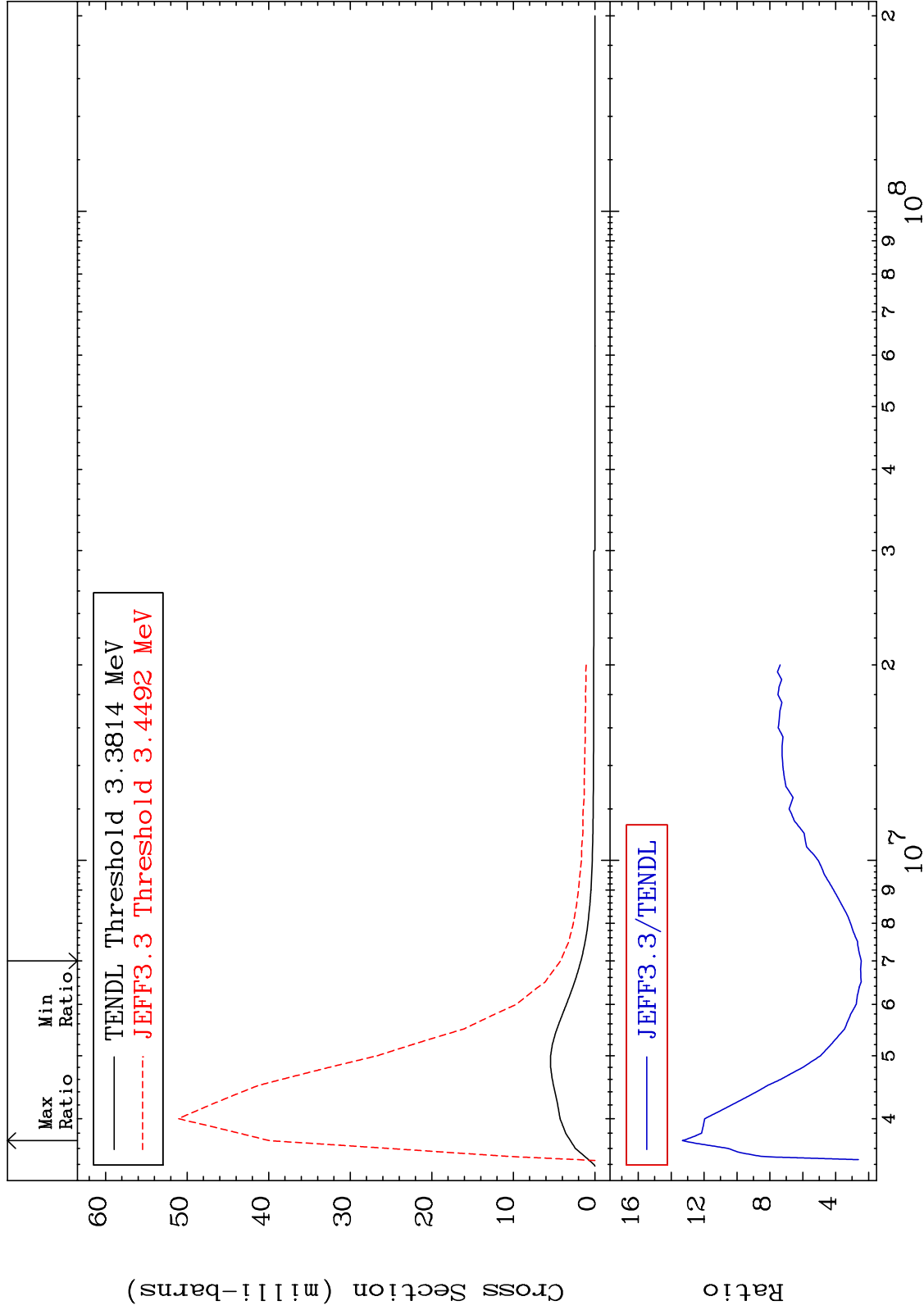
39-Y -89
-100.0 To -81.58%



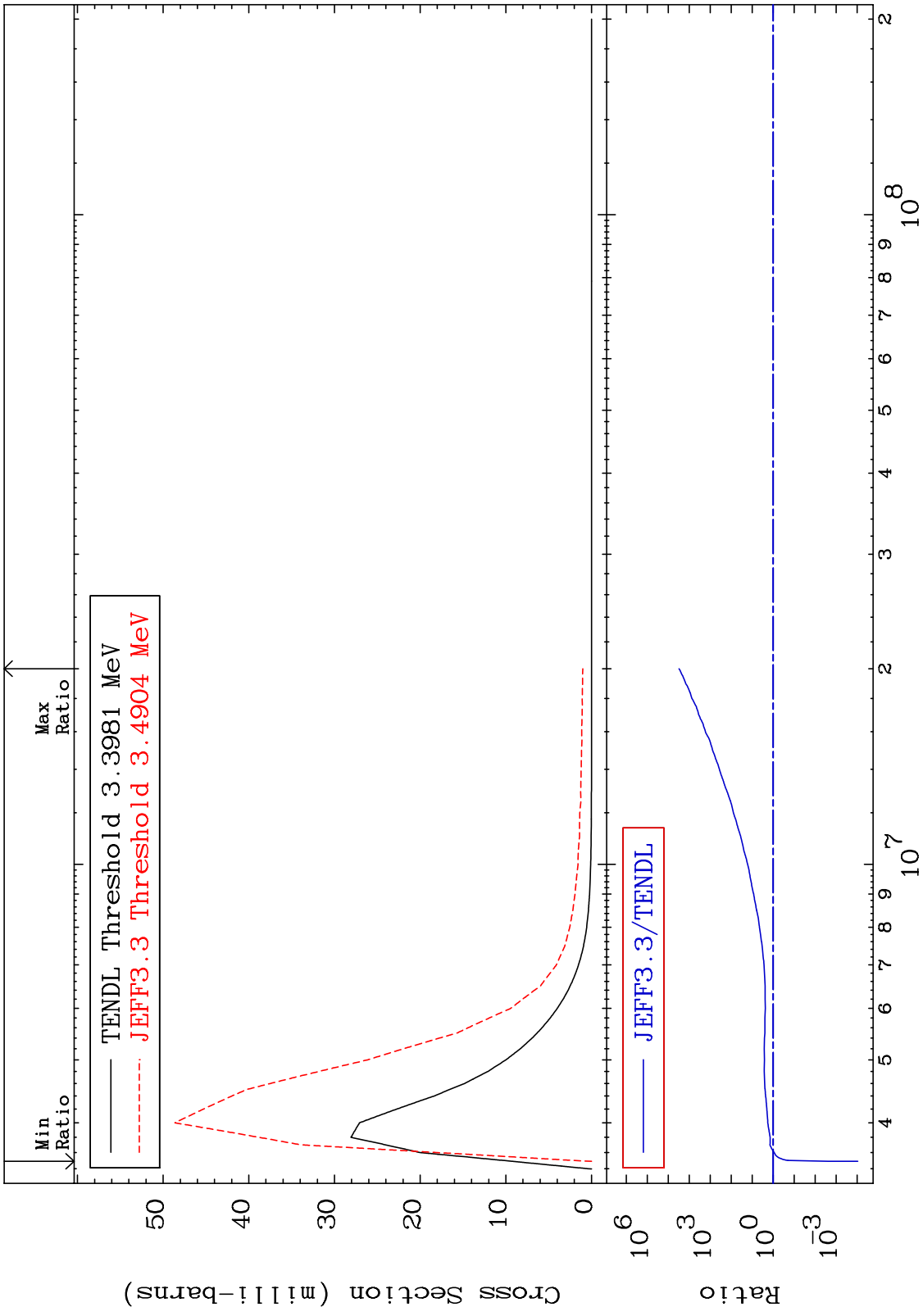
MAT 3925

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

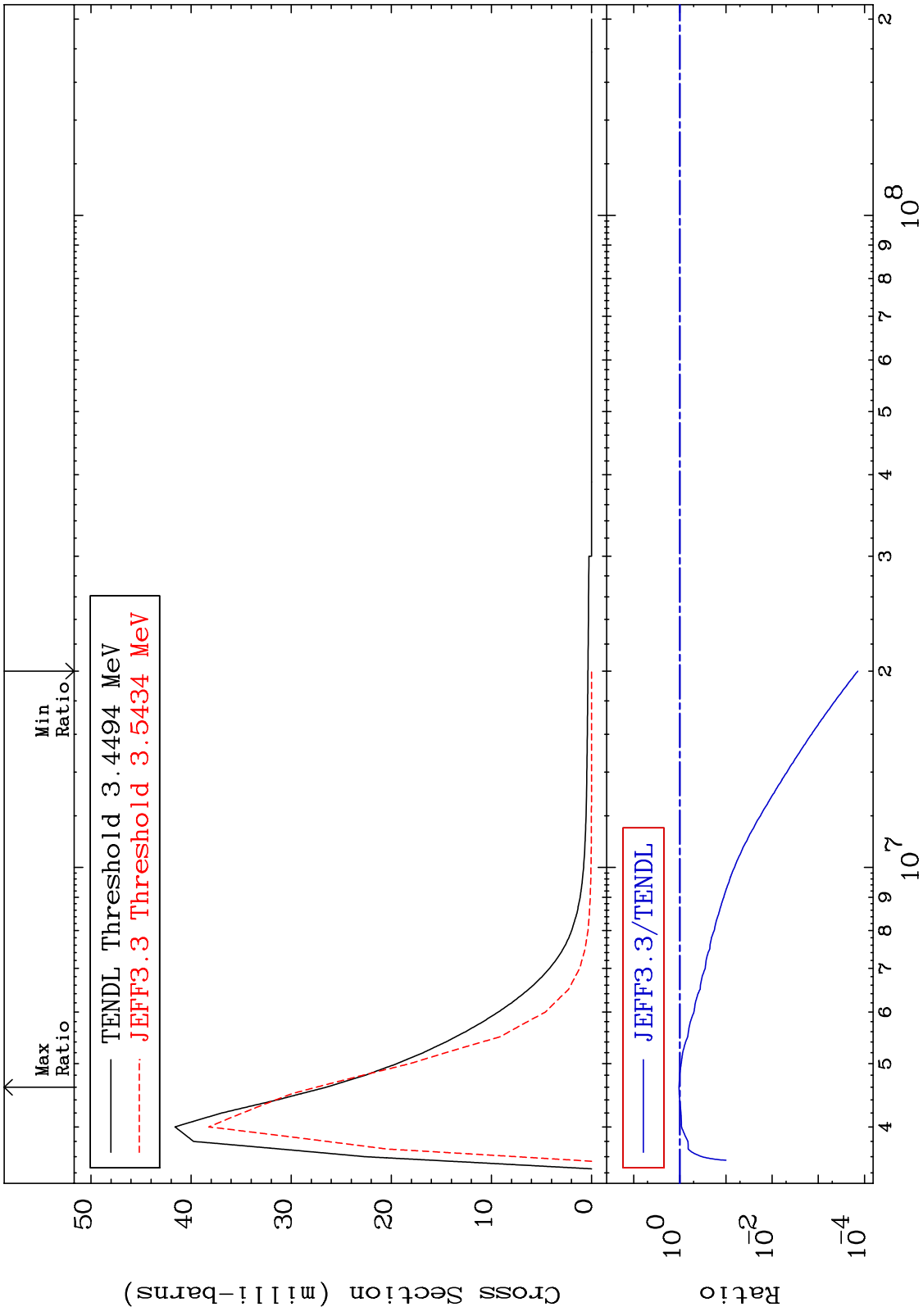
39-Y -89
144.3 To 1231. %



MAT 3925 MT= 67 (n,n') Level Cross Section -99.99 To 9999. % 39-Y -89



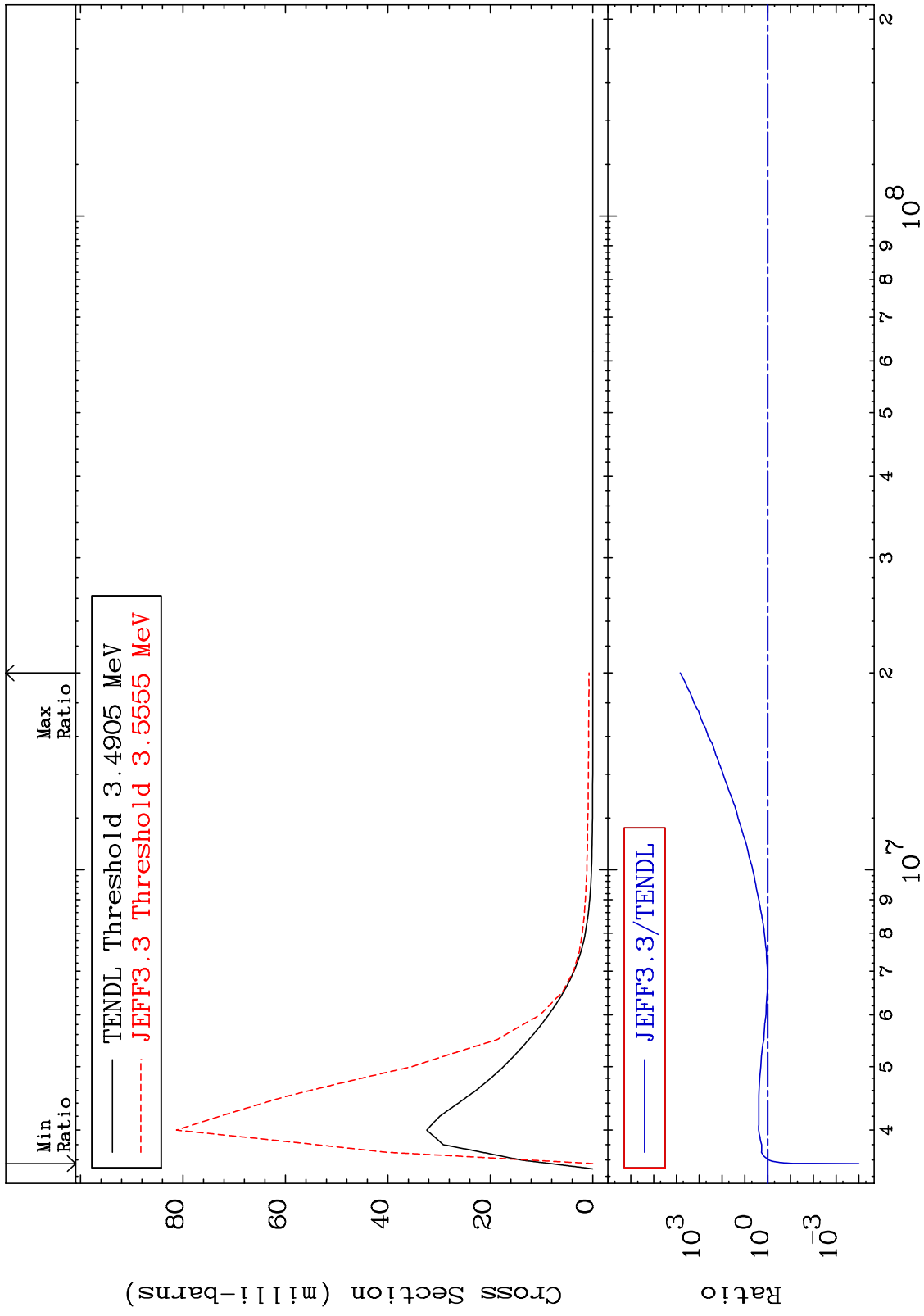
MAT 3925 MT= 68 (n,n') Level Cross Section 39-Y -89
 -99.99 To 3.795 %



MAT 3925

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

39-Y -89
-99.99 To 9999. %



25

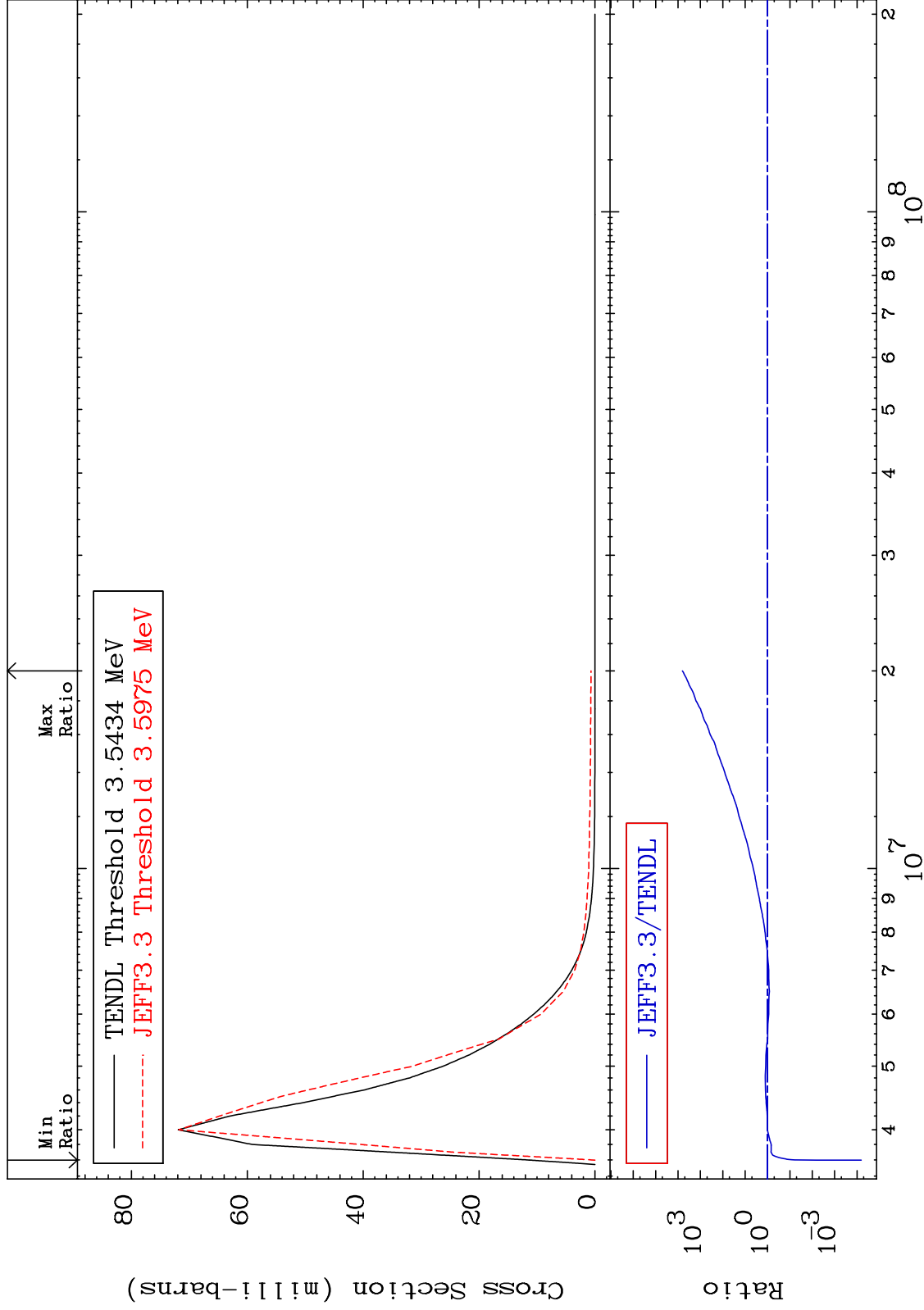
Incident Energy (eV)

39-Y -89

MAT 3925

MT= 70 (n,n') Level
Cross Section

39-Y -89
-99.99 To 9999. %

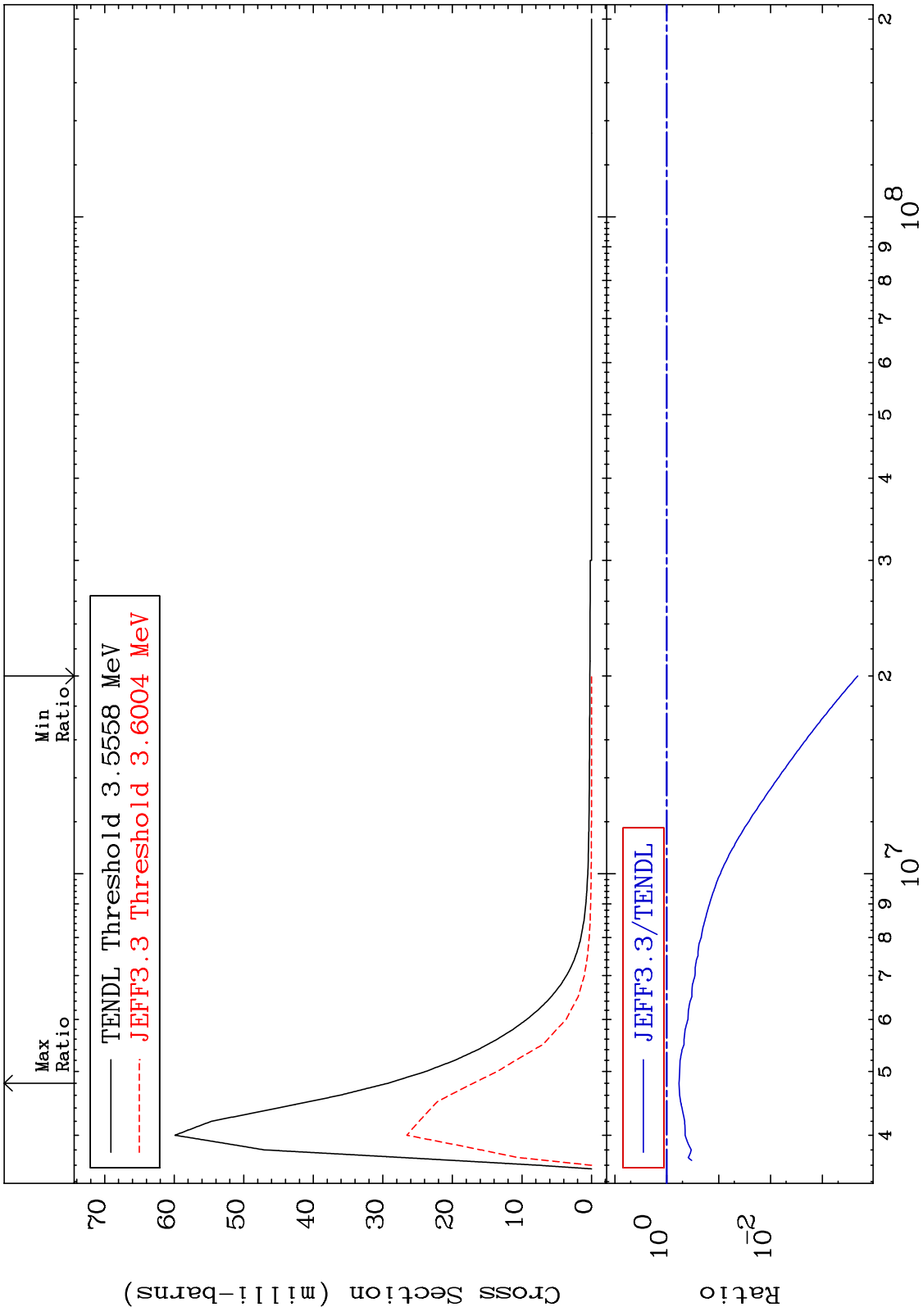


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Incident Energy (eV)

39-Y -89

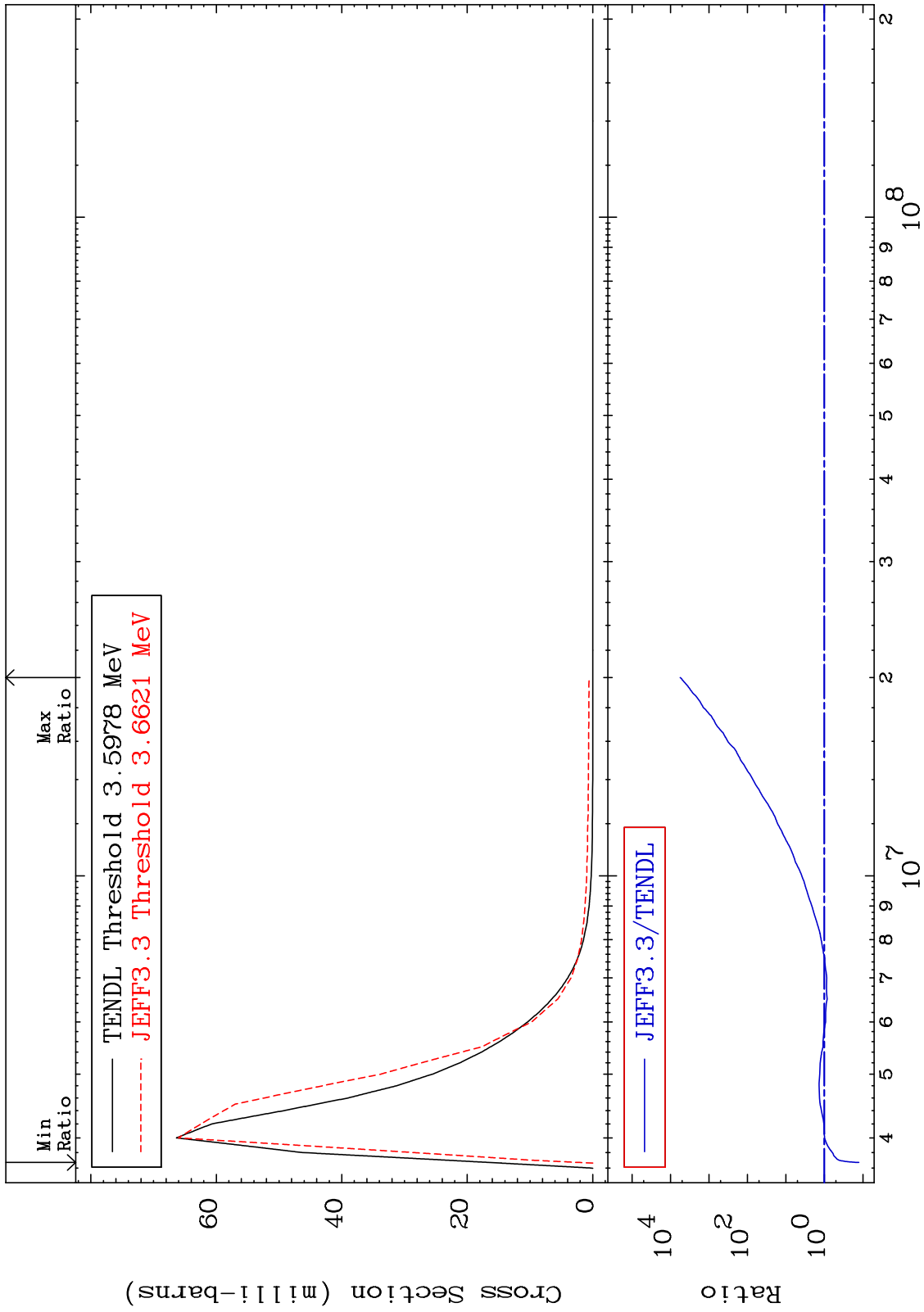
MAT 3925 MT= 71 (n,n') Level Cross Section 39-Y -89
 -99.98 To -41.84%



MAT 3925

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

39-Y -89
-87.29 To 9999. %

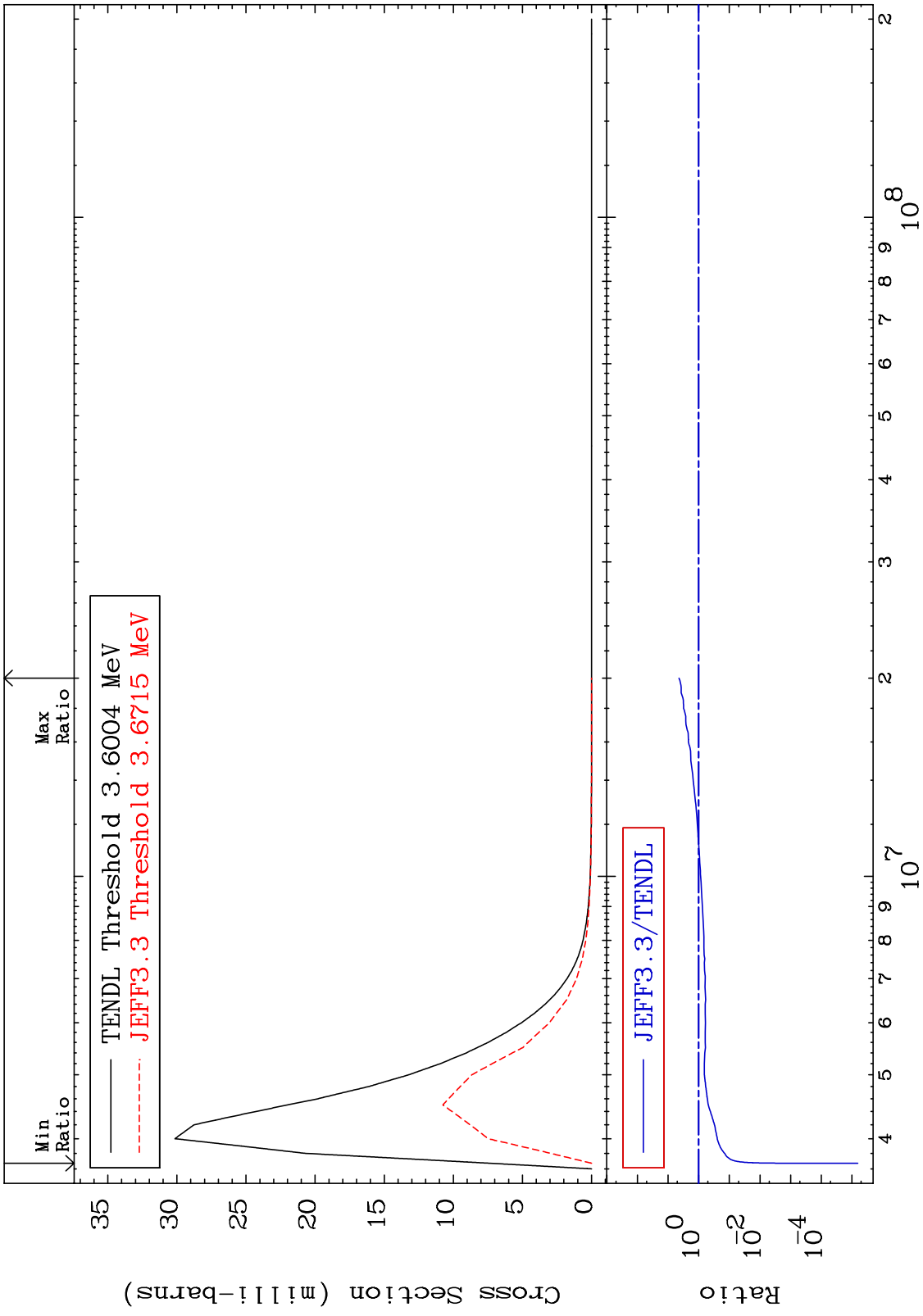


28

Incident Energy (eV)

39-Y -89

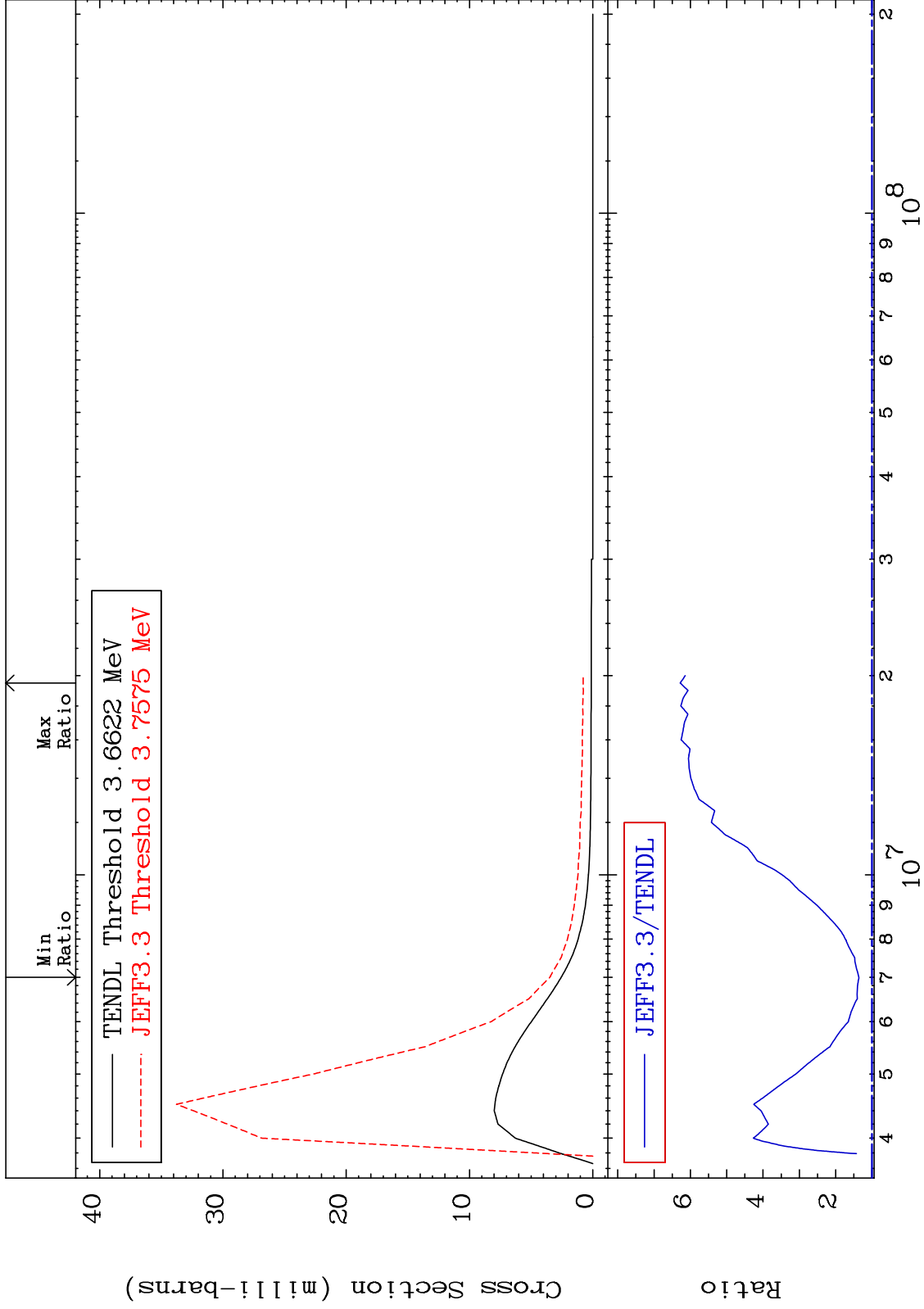
MAT 3925 MT= 73 (n,n') Level Cross Section -100.0 To 338.1 % 39-Y -89



MAT 3925

MT= 74 (n,n') Level
Cross Section

36.13 To 528.0 %
39-Y -89

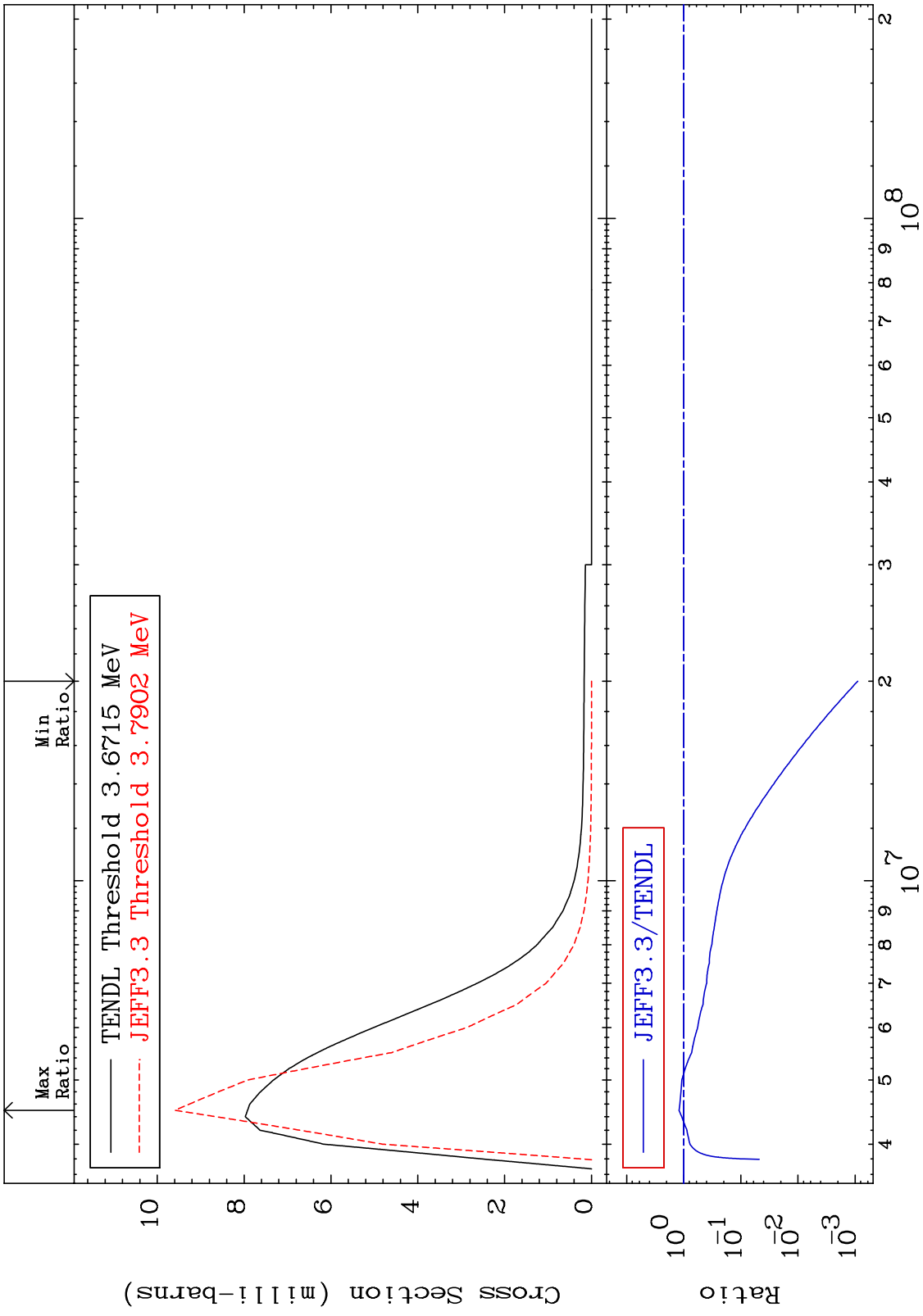


30

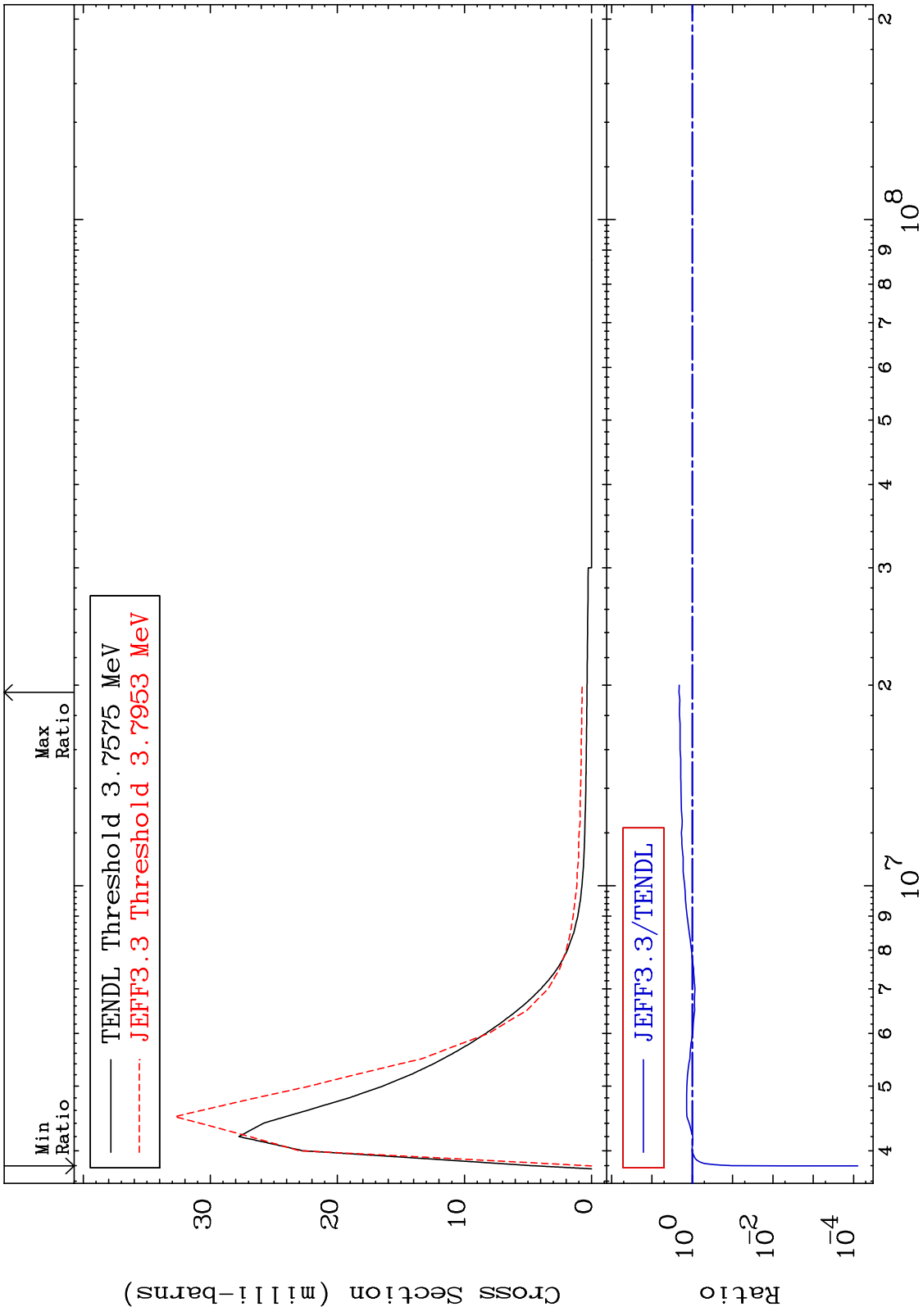
Incident Energy (eV)

39-Y -89

MAT 3925 MT= 75 (n,n') Level Cross Section -99.91 To 21.11 % 39-Y -89



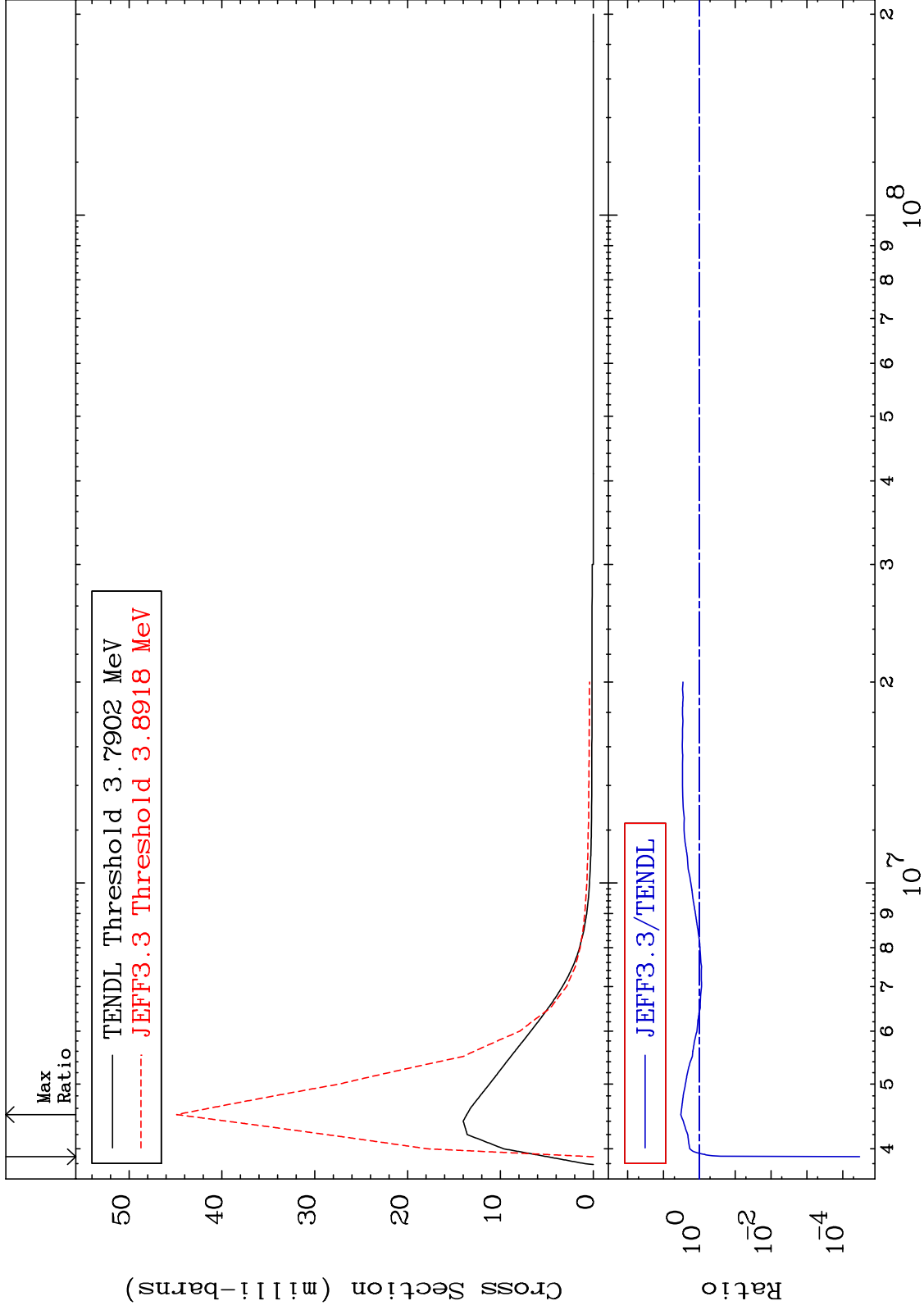
MAT 3925 MT= 76 (n,n') Level Cross Section -99.99 To 112.2 % 39-Y -89



MAT 3925

MT= 77 (n,n') Level
Cross Section

39-Y -89
-100.0 To 229.5 %

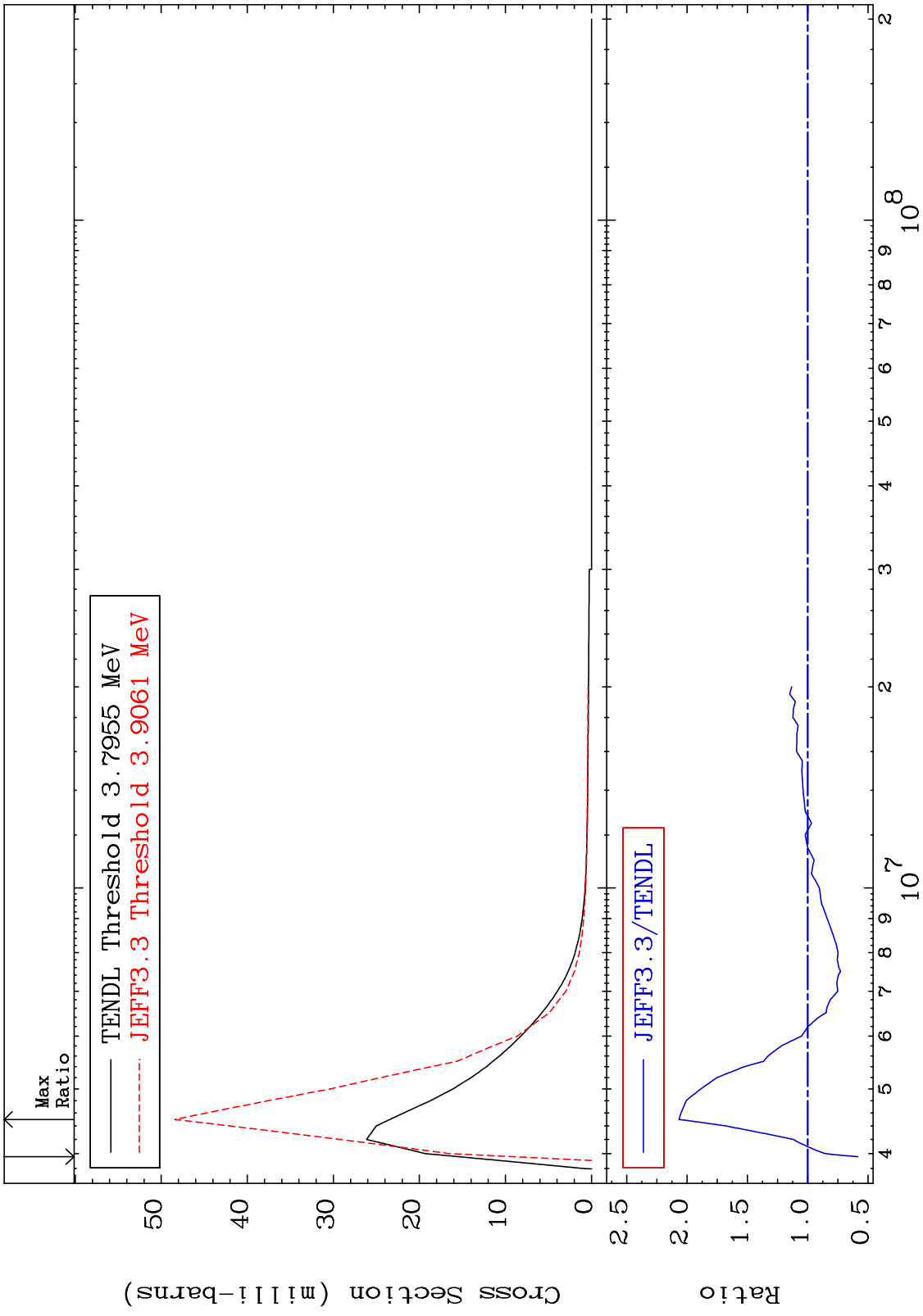


33

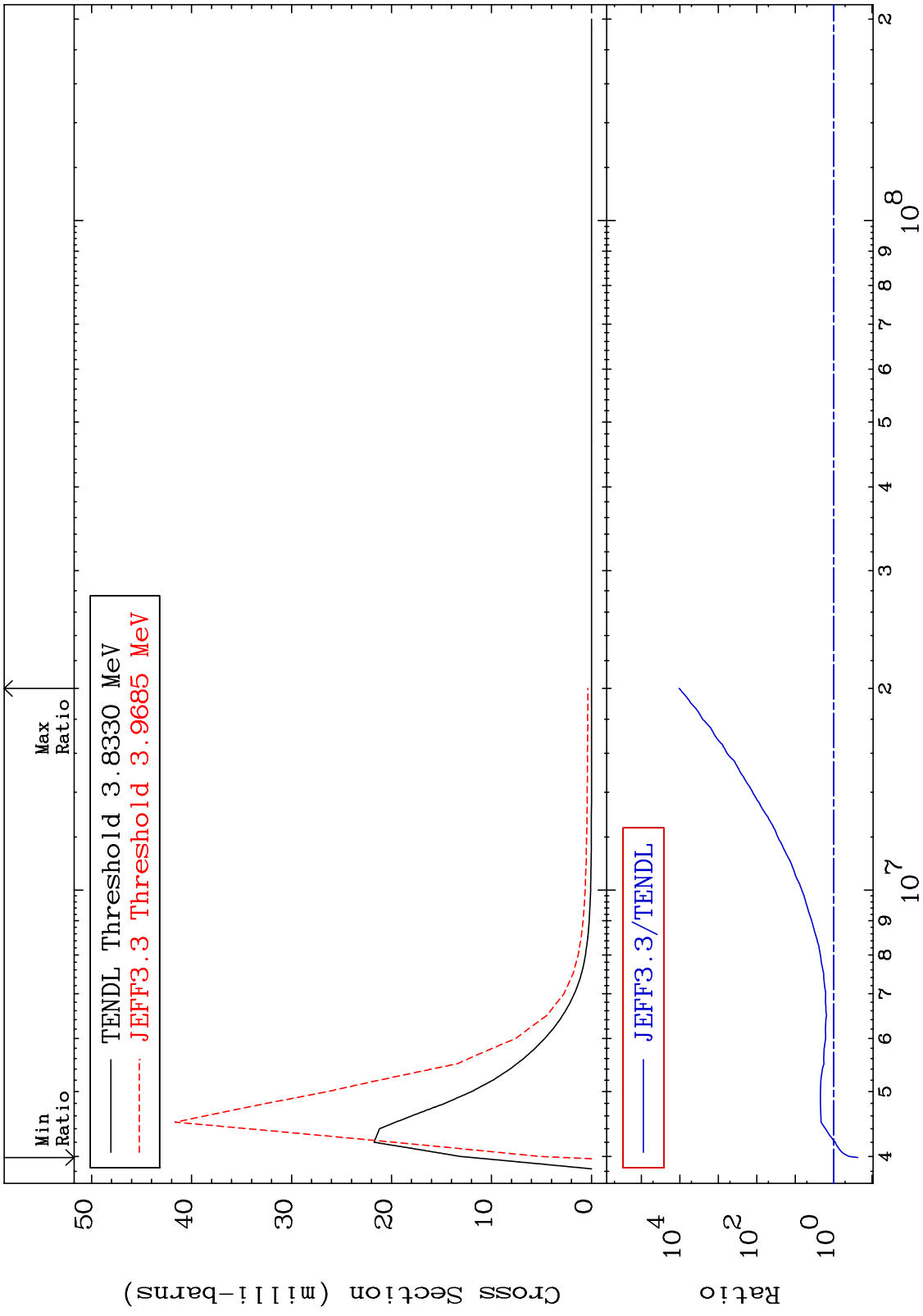
Incident Energy (eV)

39-Y -89

MAT 3925 MT= 78 (n,n') Level Cross Section -41.58 To 106.6 % 39-Y -89



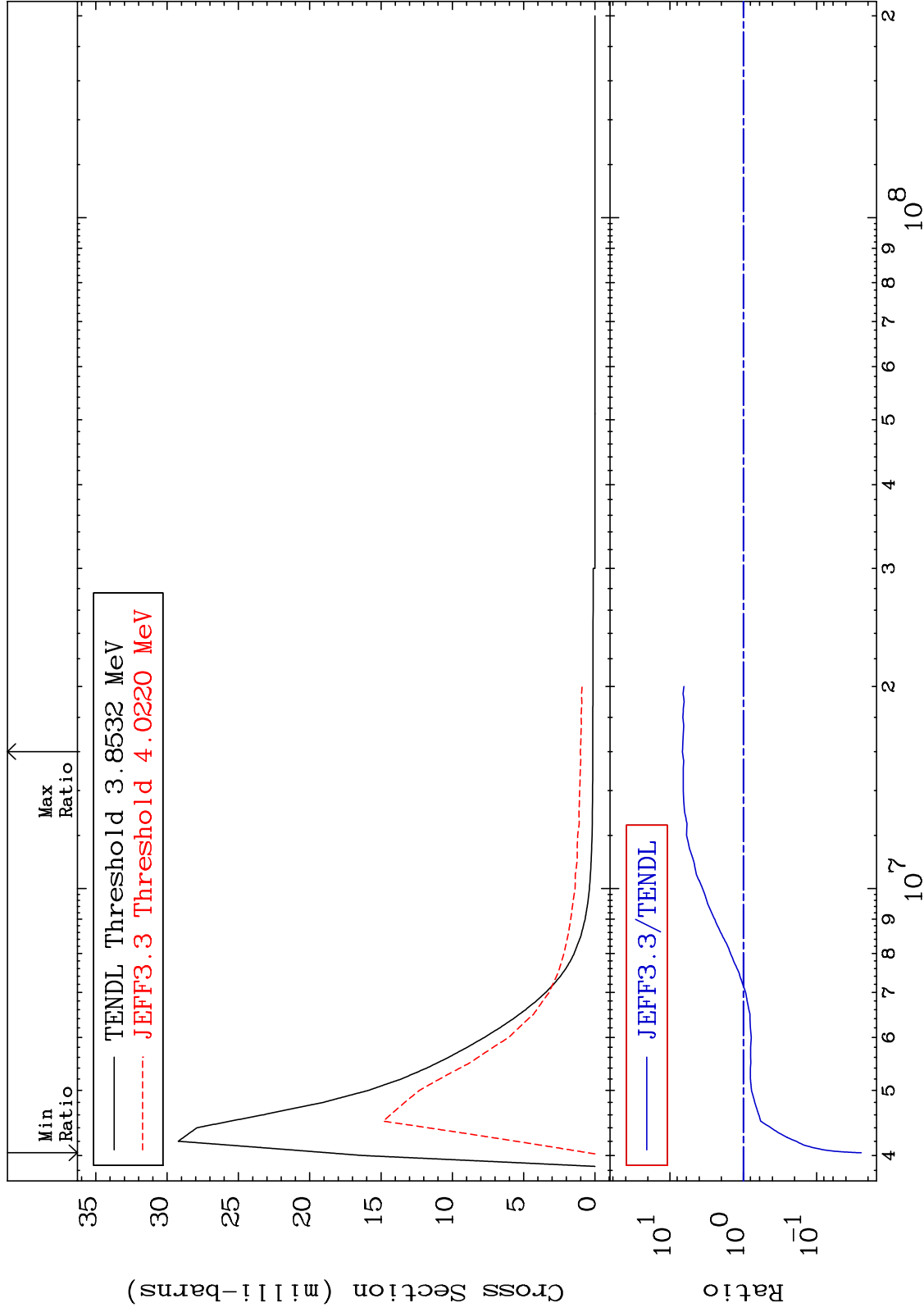
MAT 3925 MT= 79 (n,n') Level Cross Section -76.53 To 9999. % 39-Y -89



MAT 3925

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

39-Y -89
-97.53 To 576.9 %

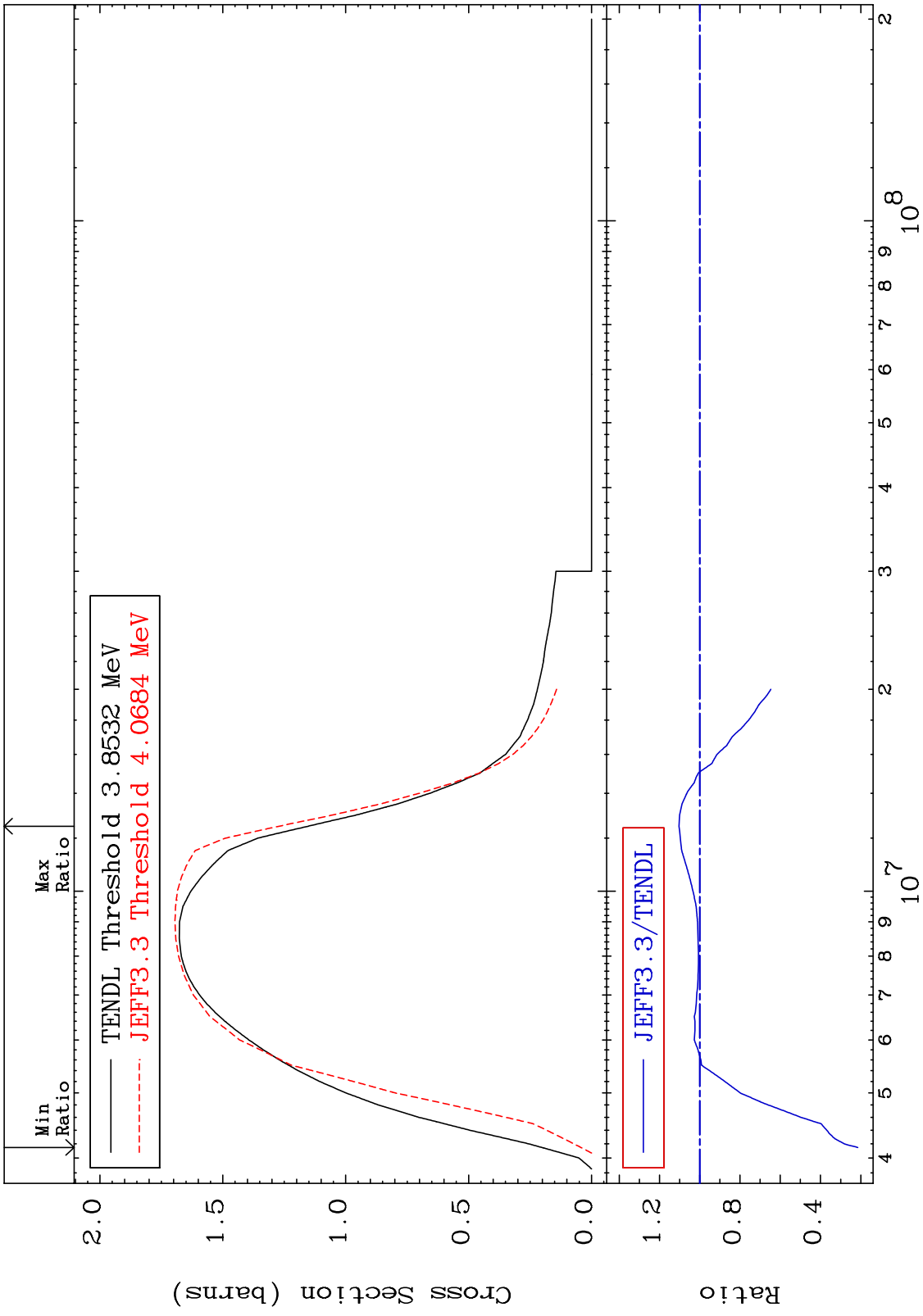


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Incident Energy (eV)

39-Y -89

MAT 3925 (n,n') Continuum Cross Section -78.55 To 10.30 % 39-Y -89



37 39-Y -89

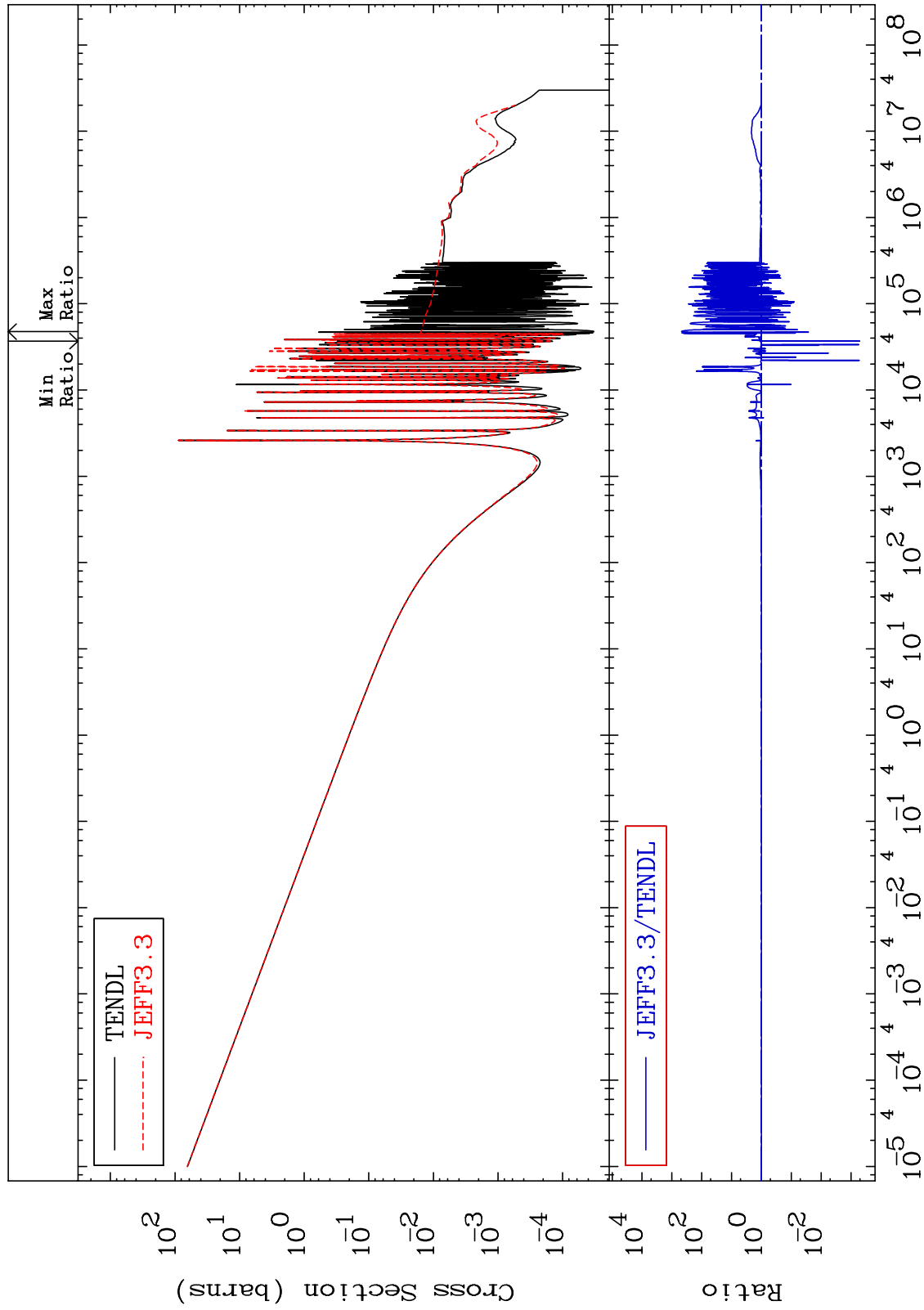
MAT 3925

(n, γ)

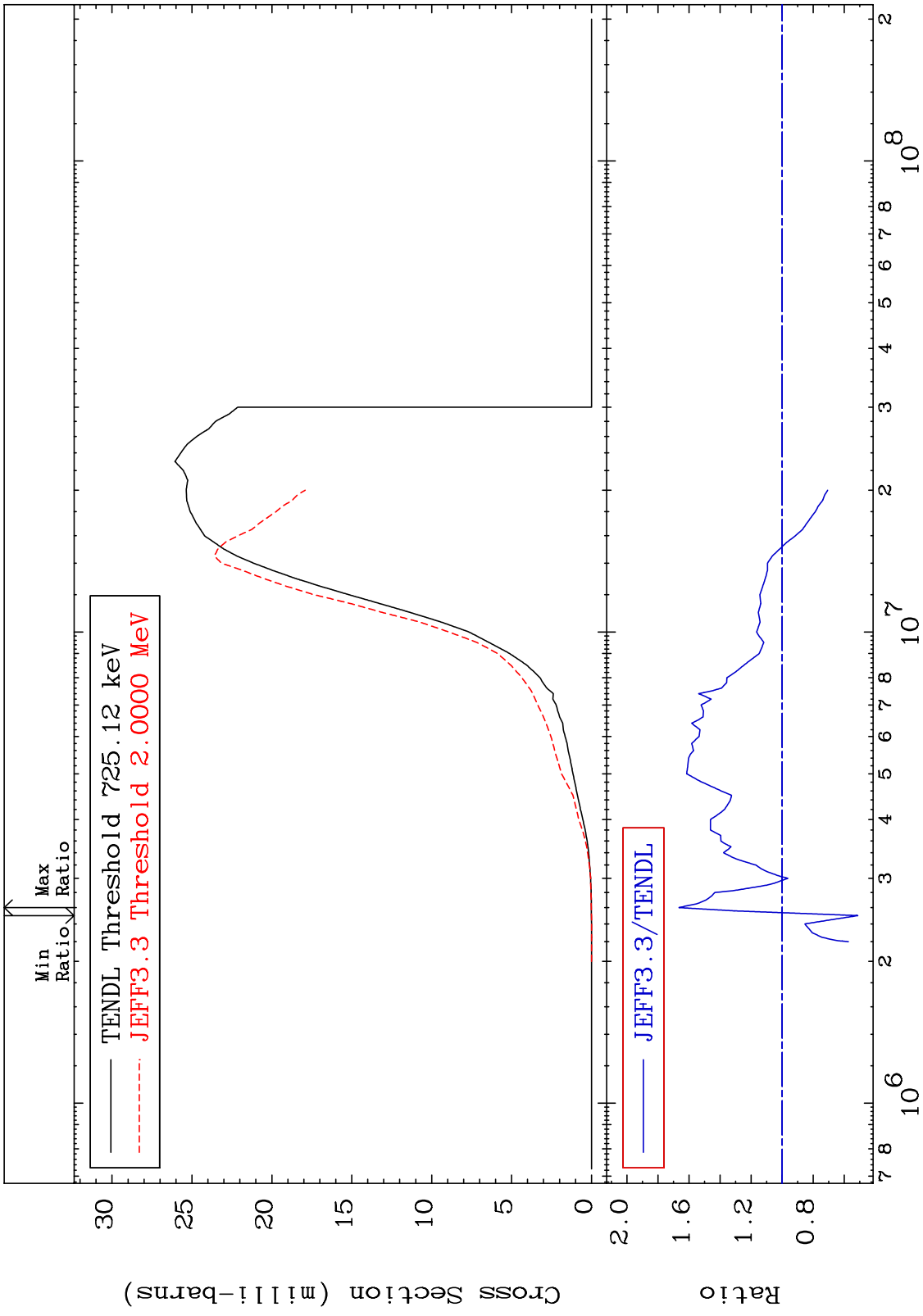
39-Y -89

Cross Section

-99.95 To 9999. %



MAT 3925 (n,p) Cross Section 39-Y -89 -48.81 To 66.44 %



39 39-Y -89

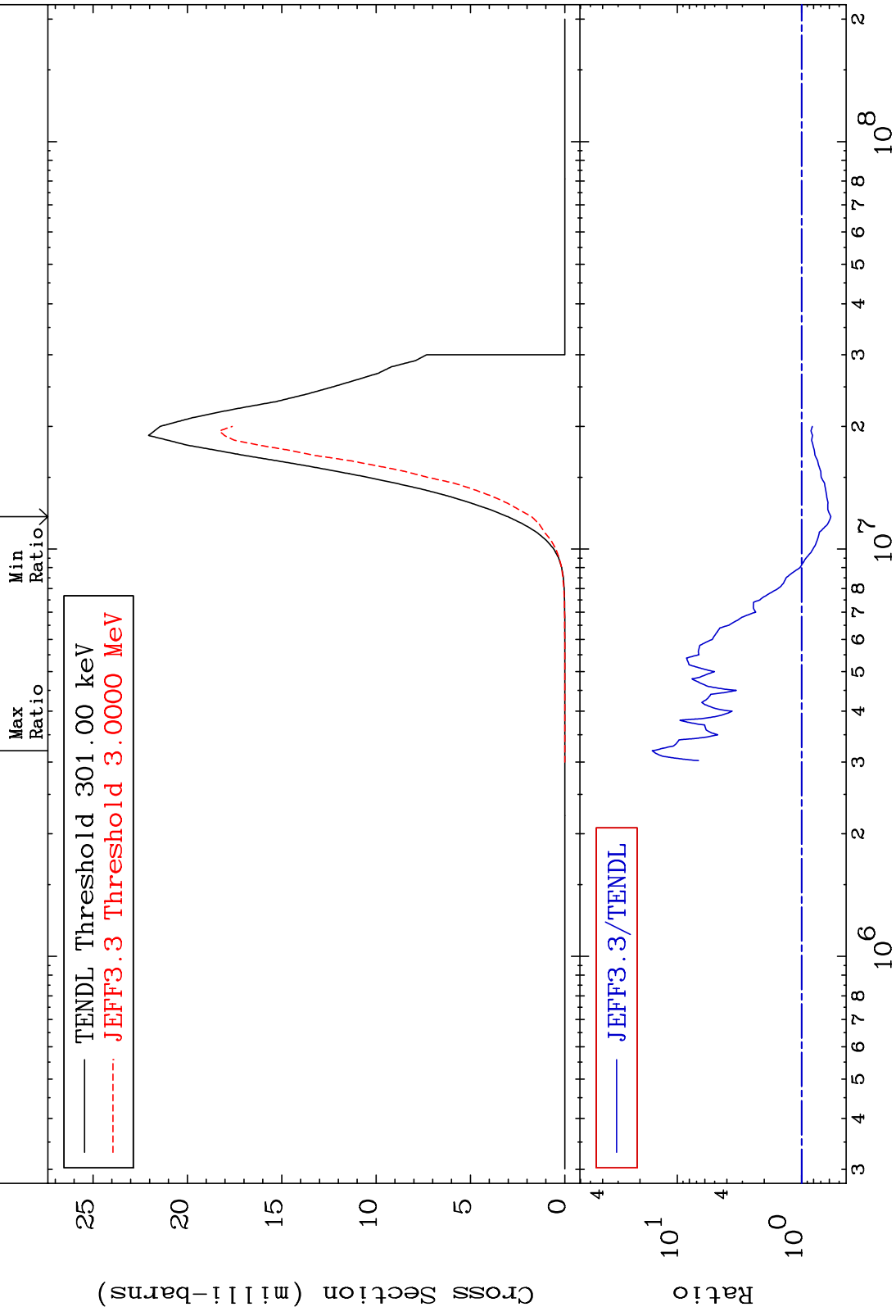
MAT 3925

(n, α)

39-Y -89

-41.84 To 1492. %

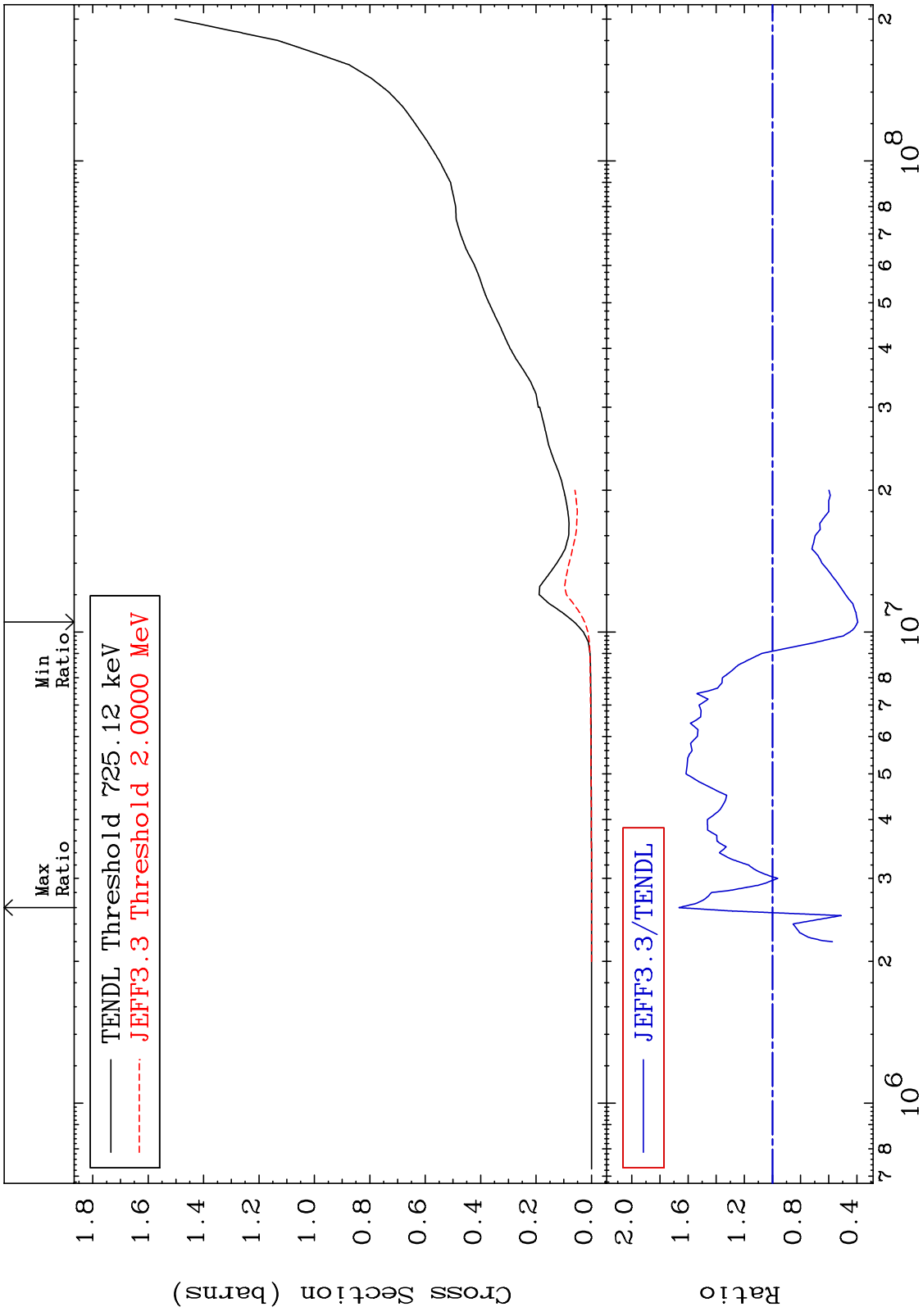
Cross Section



40

Incident Energy (eV)

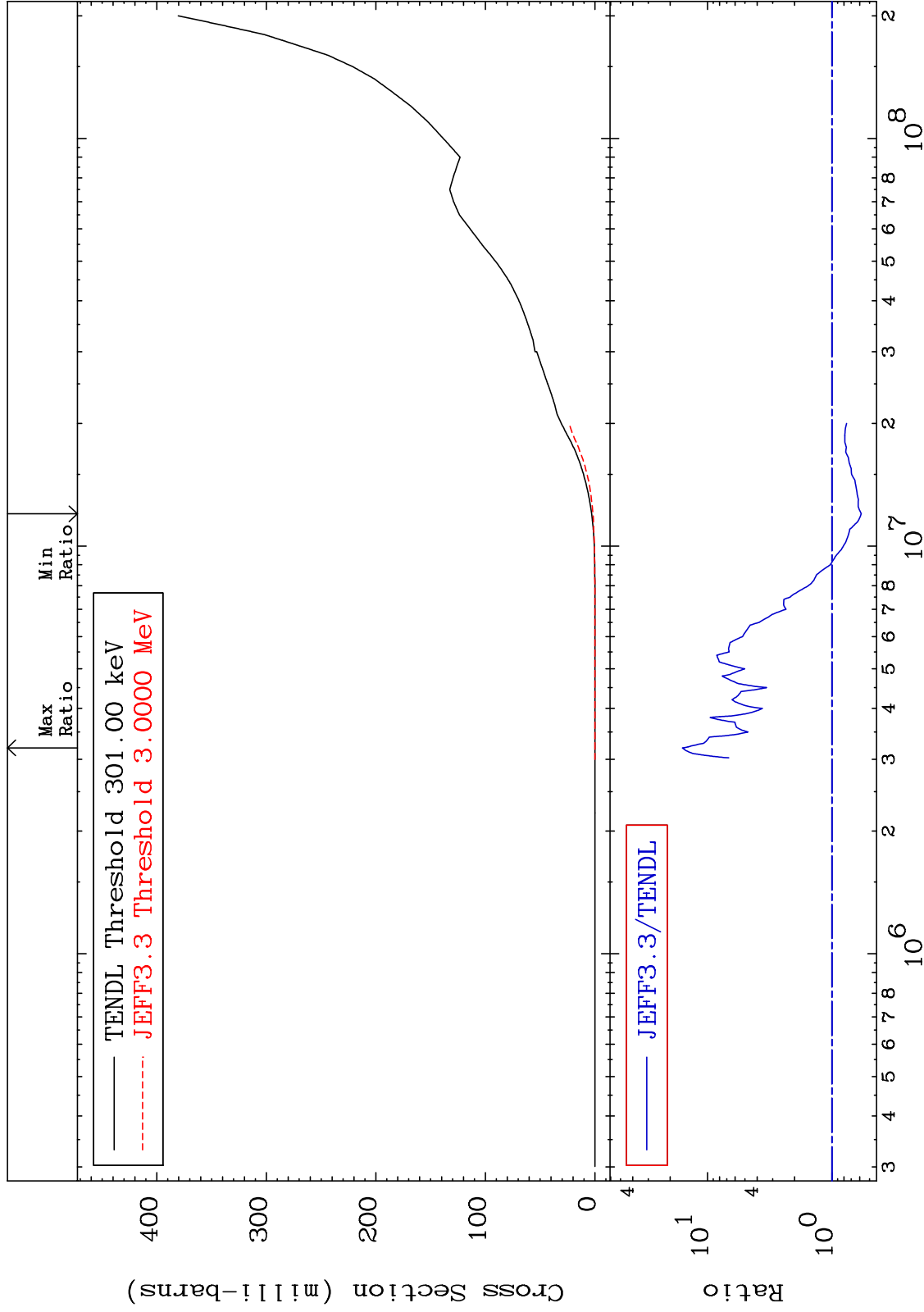
39-Y -89



MAT 3925

He-4 Production
Cross Section

39-Y -89
-41.84 To 1492. %

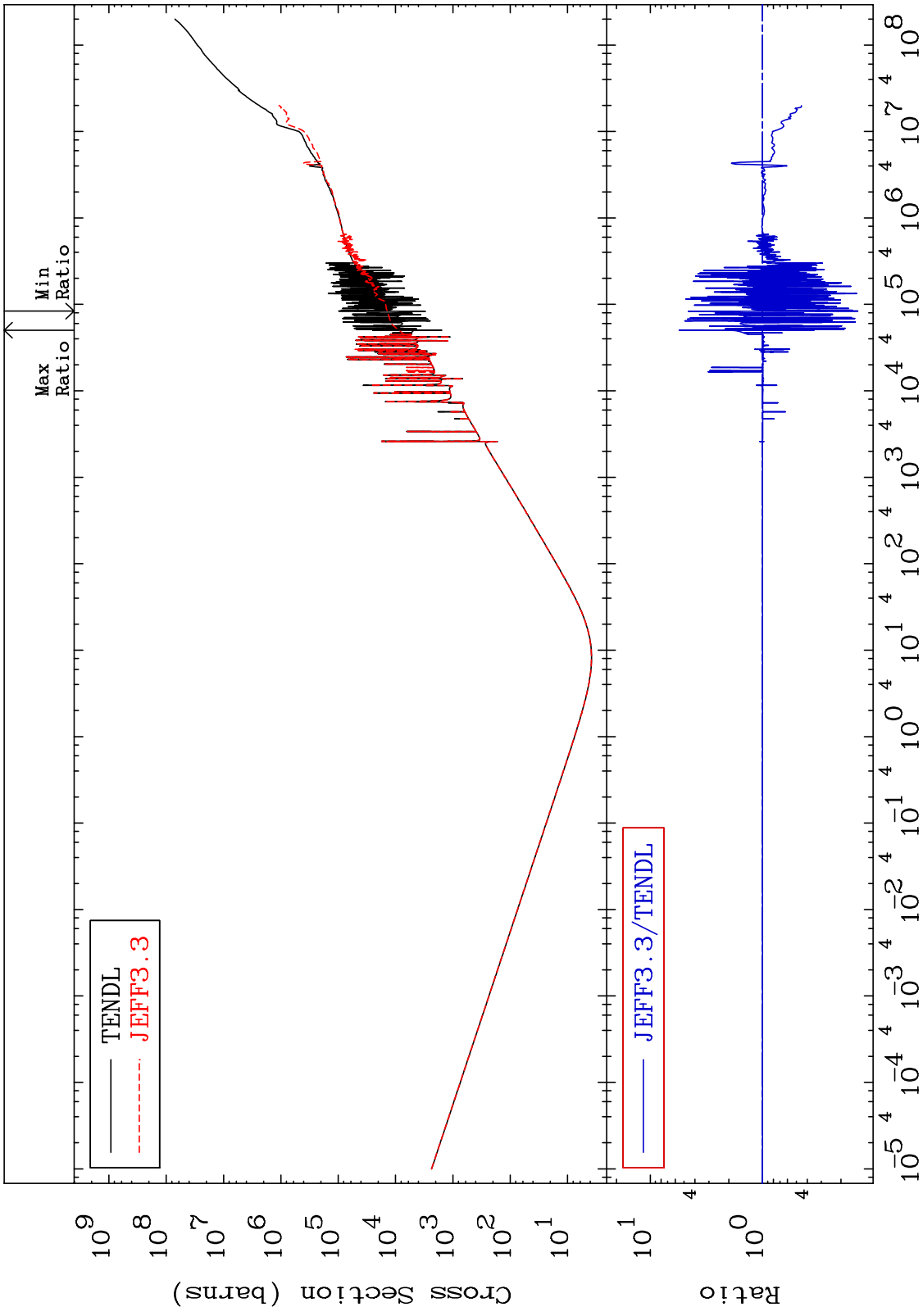


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Incident Energy (eV)

39-Y -89

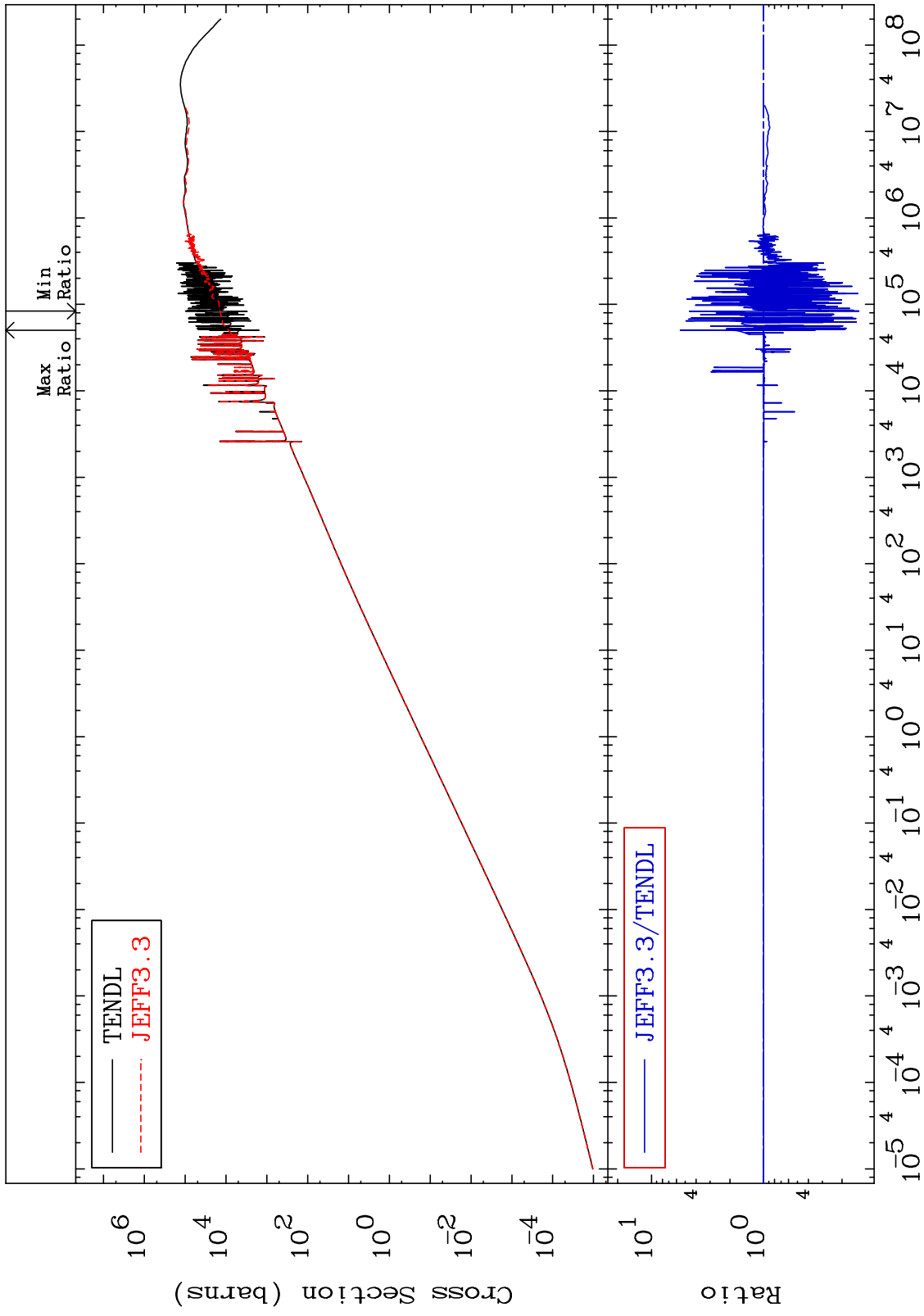
MAT 3925 Kerma total (eV-barns) Cross Section 39-Y -89
 -85.83 To 454.3 %



MAT 3925

Kerma elastic
Cross Section

39-Y -89
-85.83 To 454.6 %



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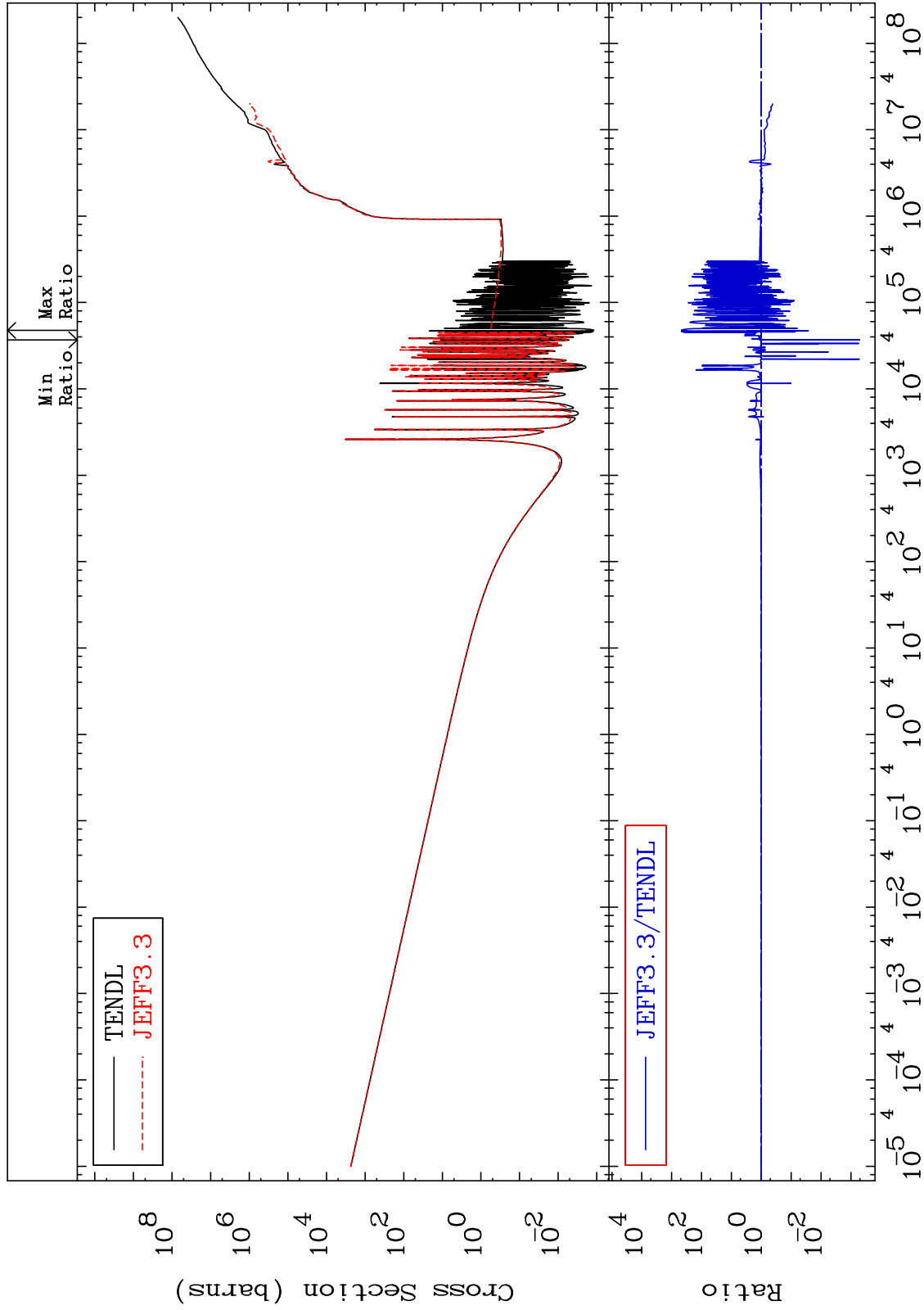
Incident Energy (eV)

39-Y -89

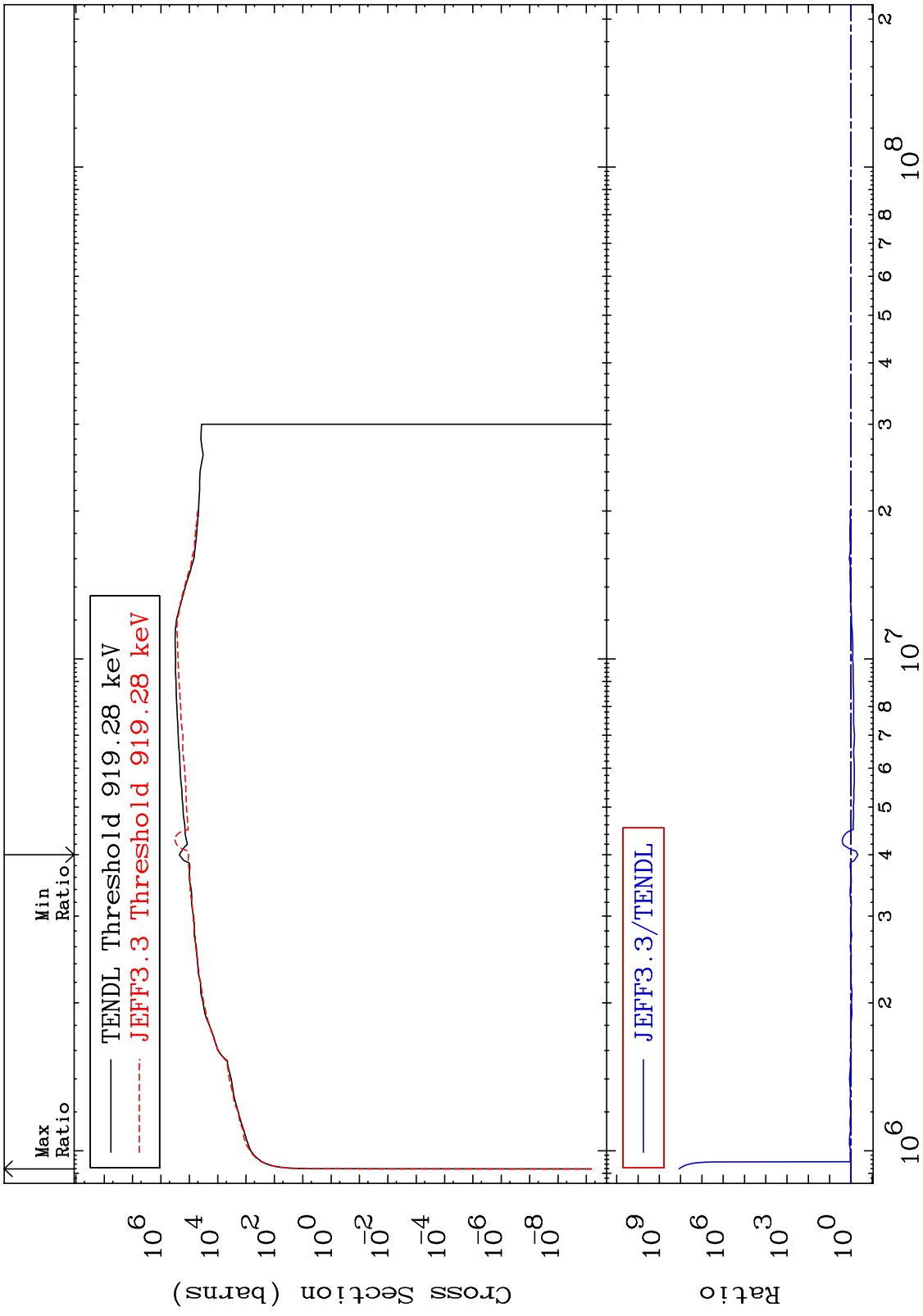
MAT 3925

Kerma non-elastic (all but mt2)
Cross Section

39-Y -89
-99.95 To 9999. %



MAT 3925 Kerma inelastic (mt51-91) 39-Y -89
-52.74 To 9999. %
Cross Section

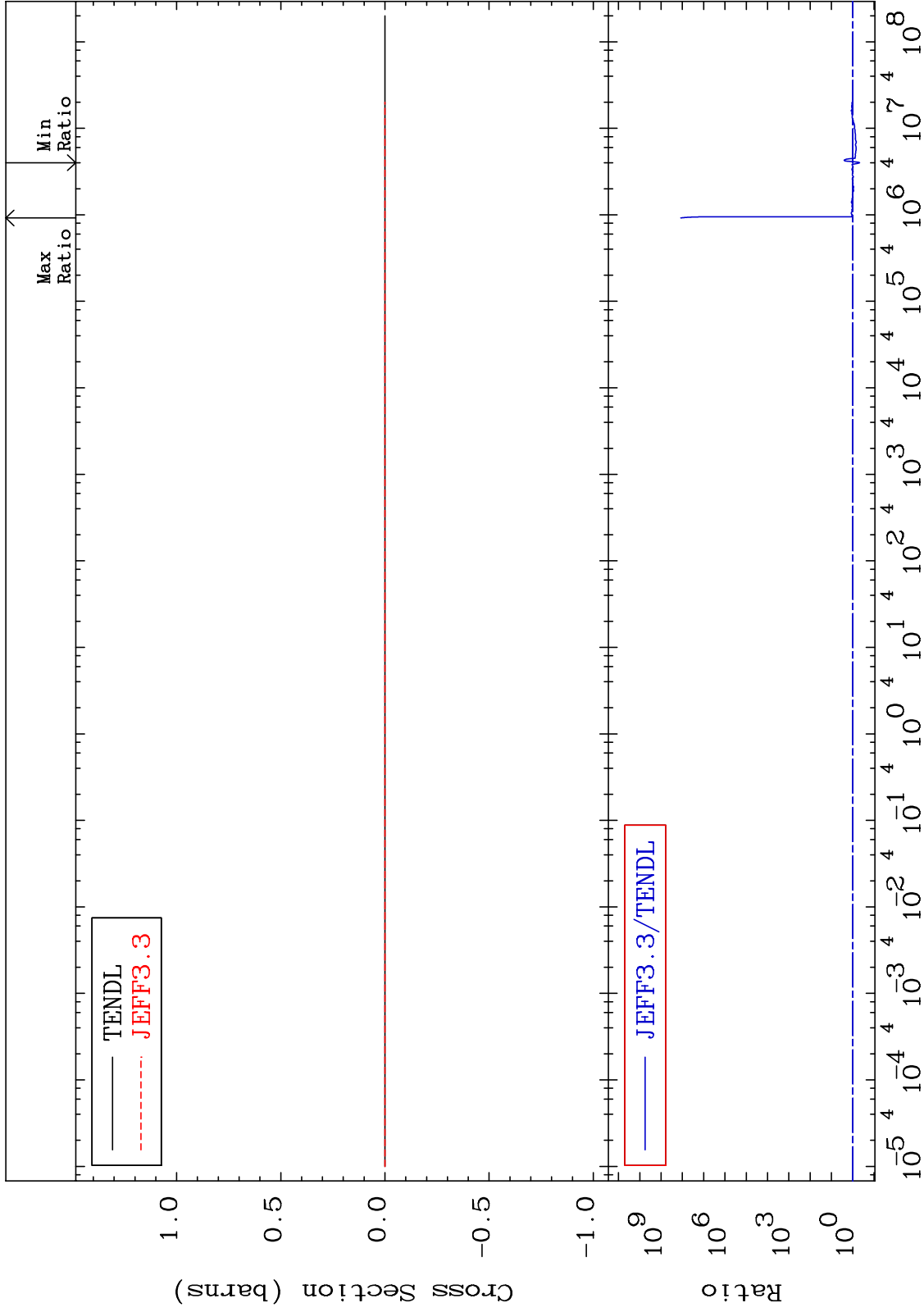


46 Incident Energy (eV) 39-Y -89

MAT 3925

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

39-Y -89
-52.74 To 9999. %



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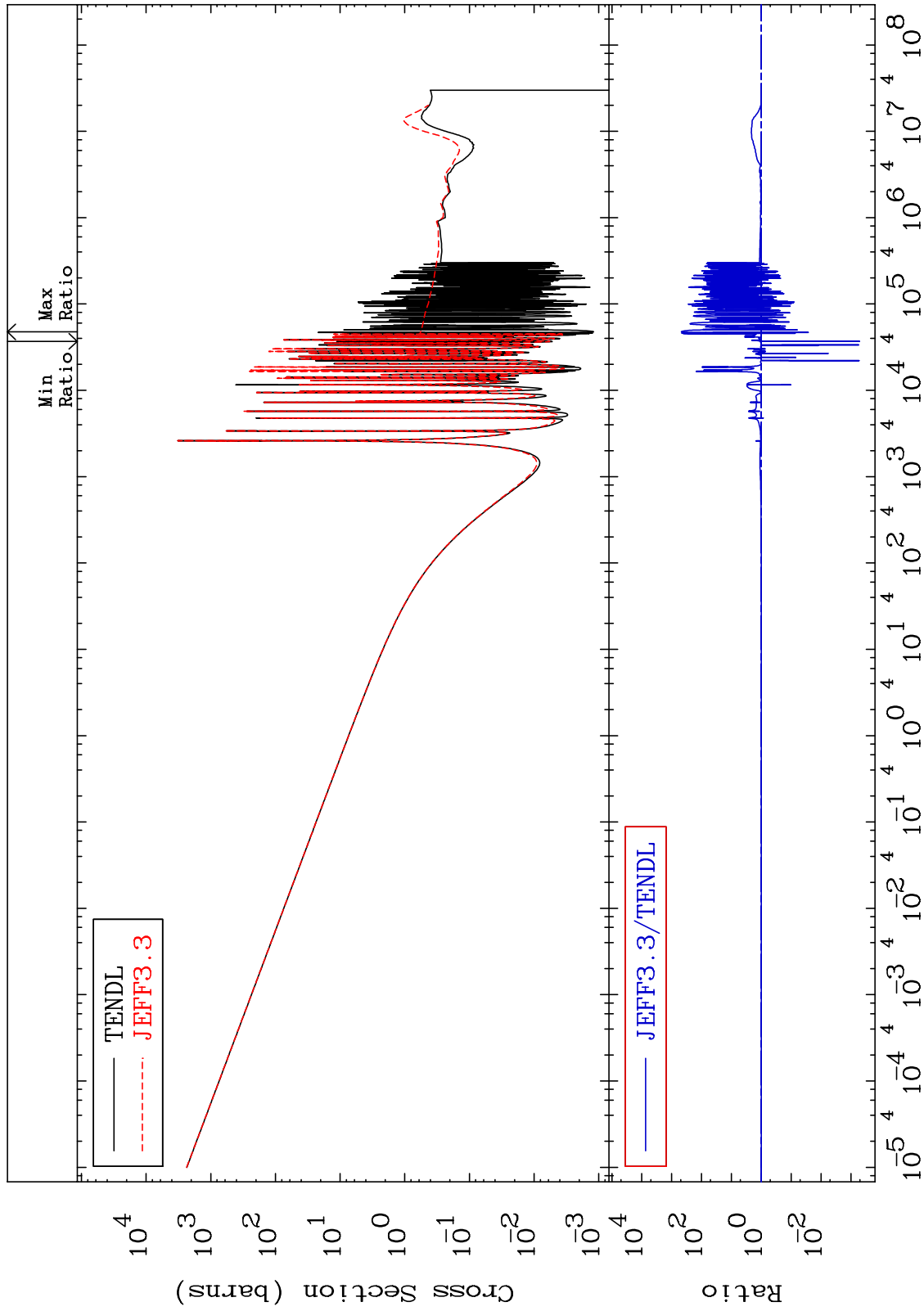
Incident Energy (eV)

39-Y -89

MAT 3925

Kerma capture (mt102)
Cross Section

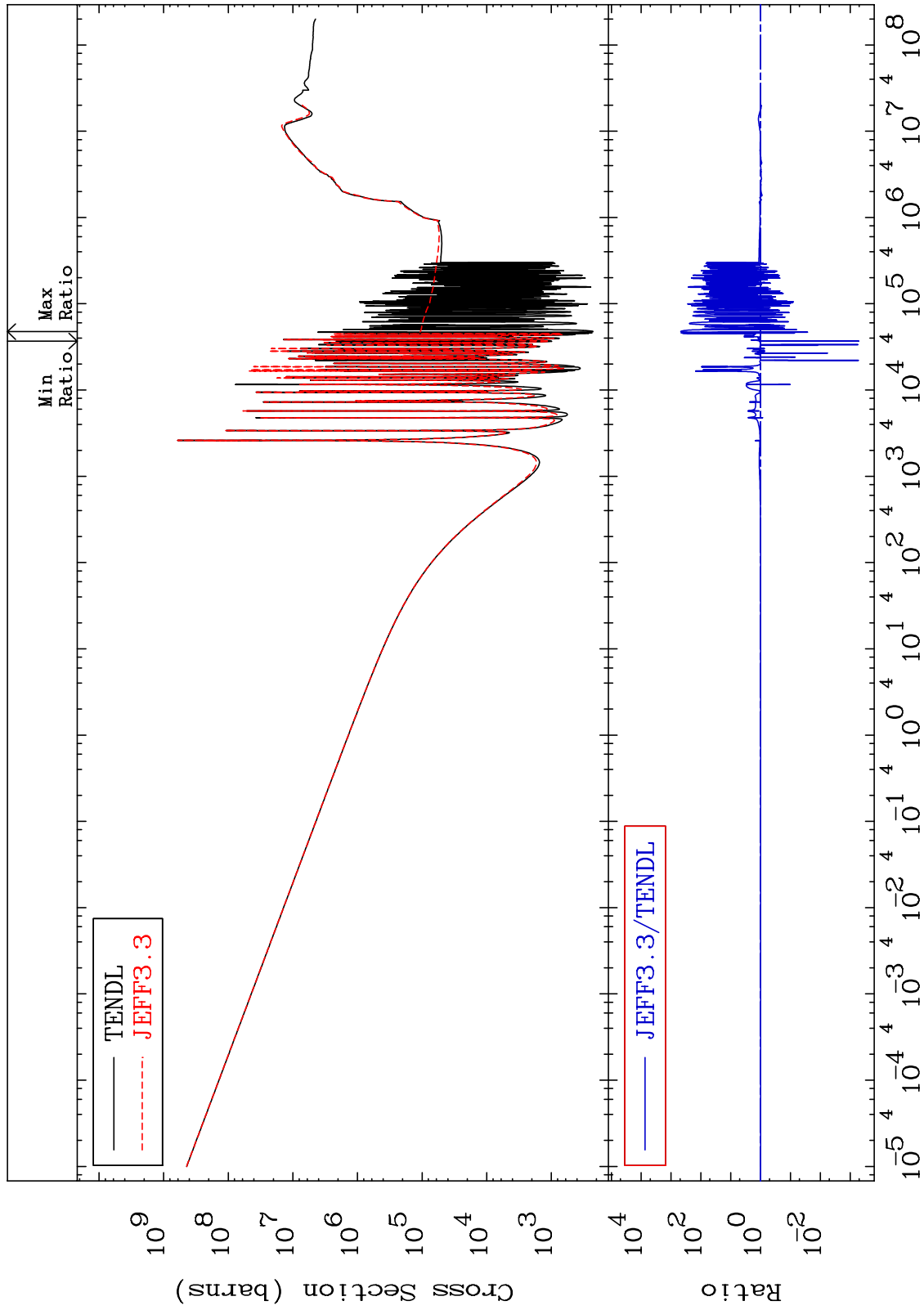
39-Y -89
-99.95 To 9999. %



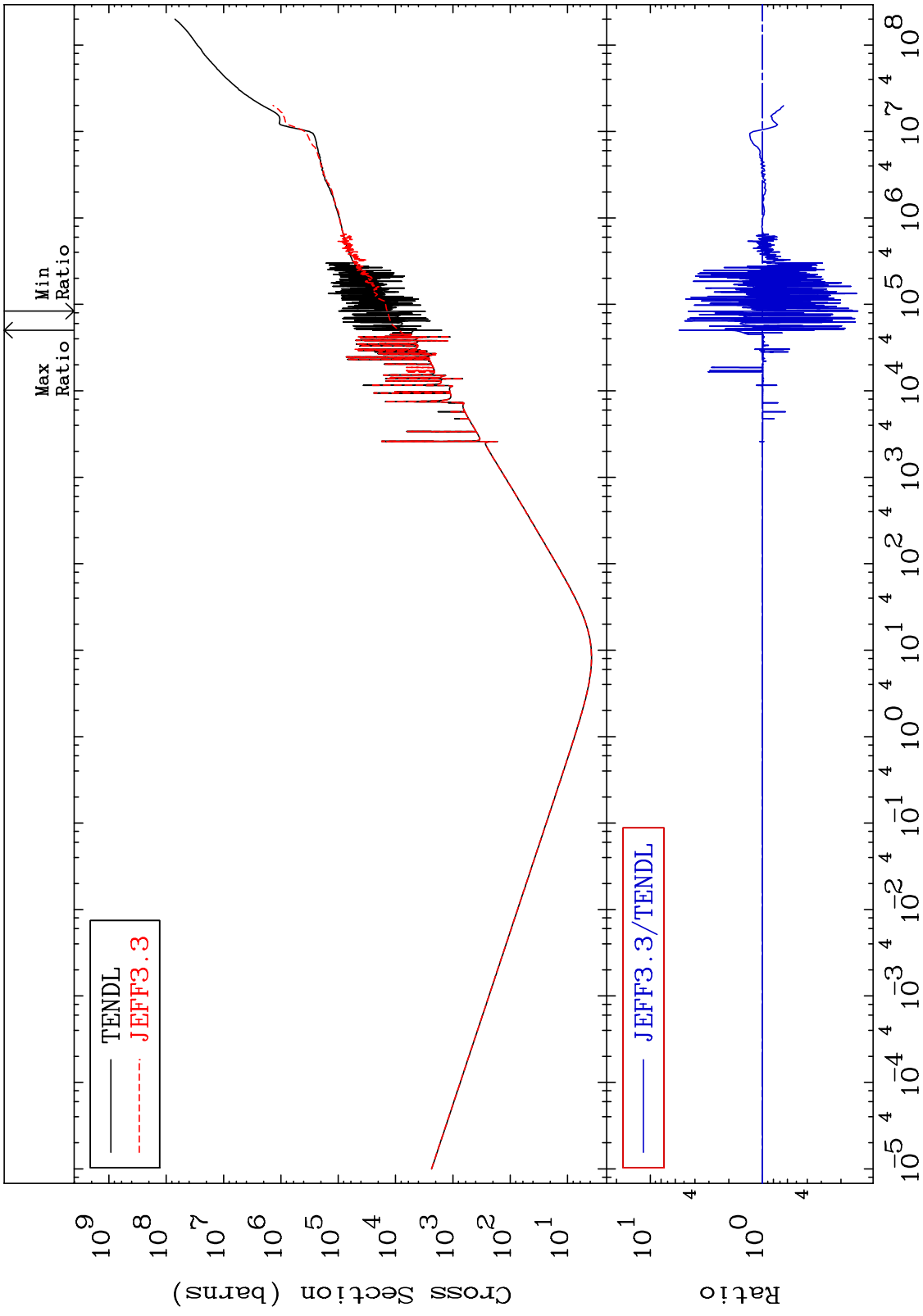
MAT 3925

Total photon (eV-barns)
Cross Section

39-Y -89
-99.95 To 9999. %



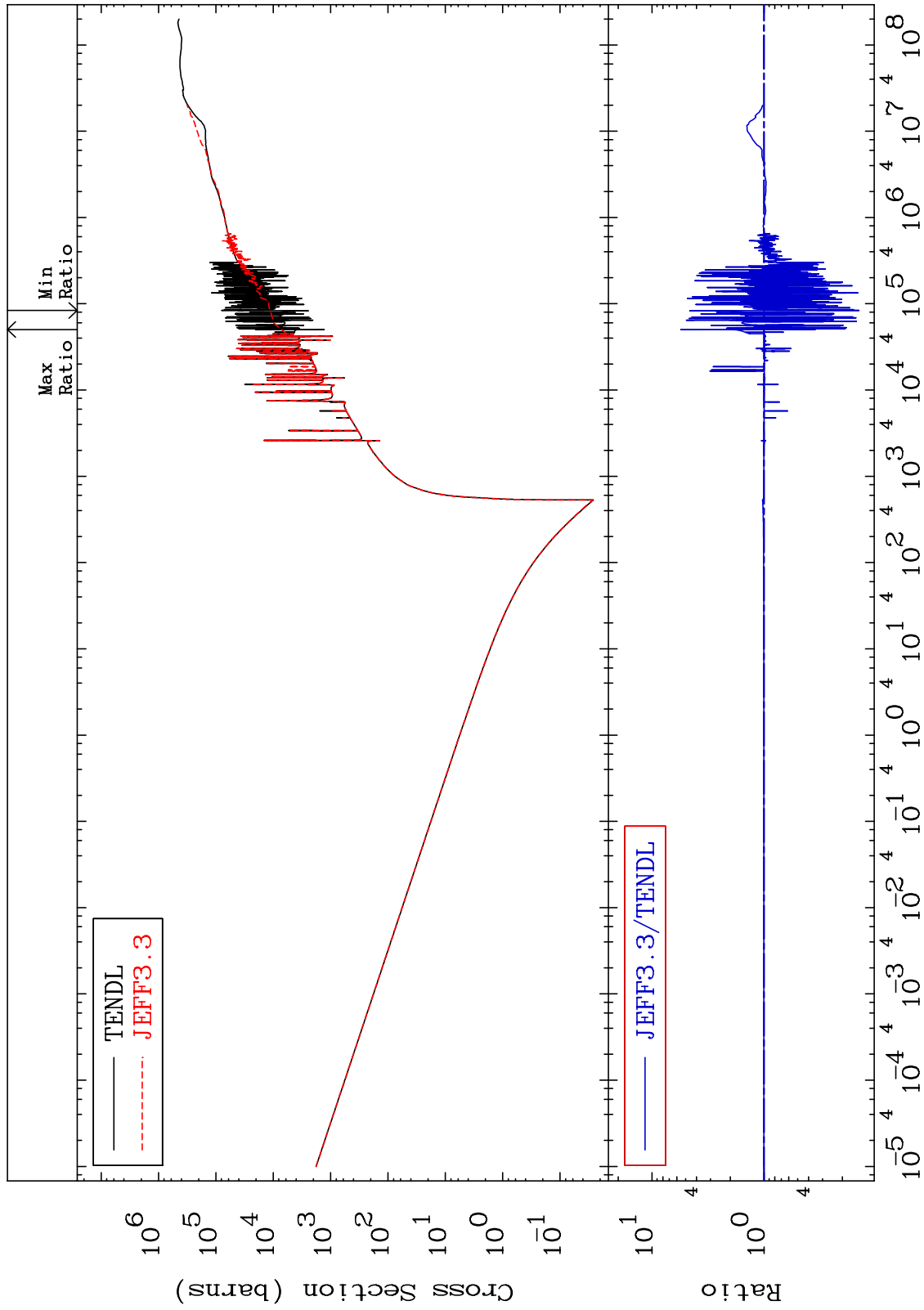
MAT 3925 Total kinematic kerma (high limit) 39-Y -89
 Cross Section -85.83 To 454.3 %



MAT 3925

Dpa total (eV-barns)
Cross Section

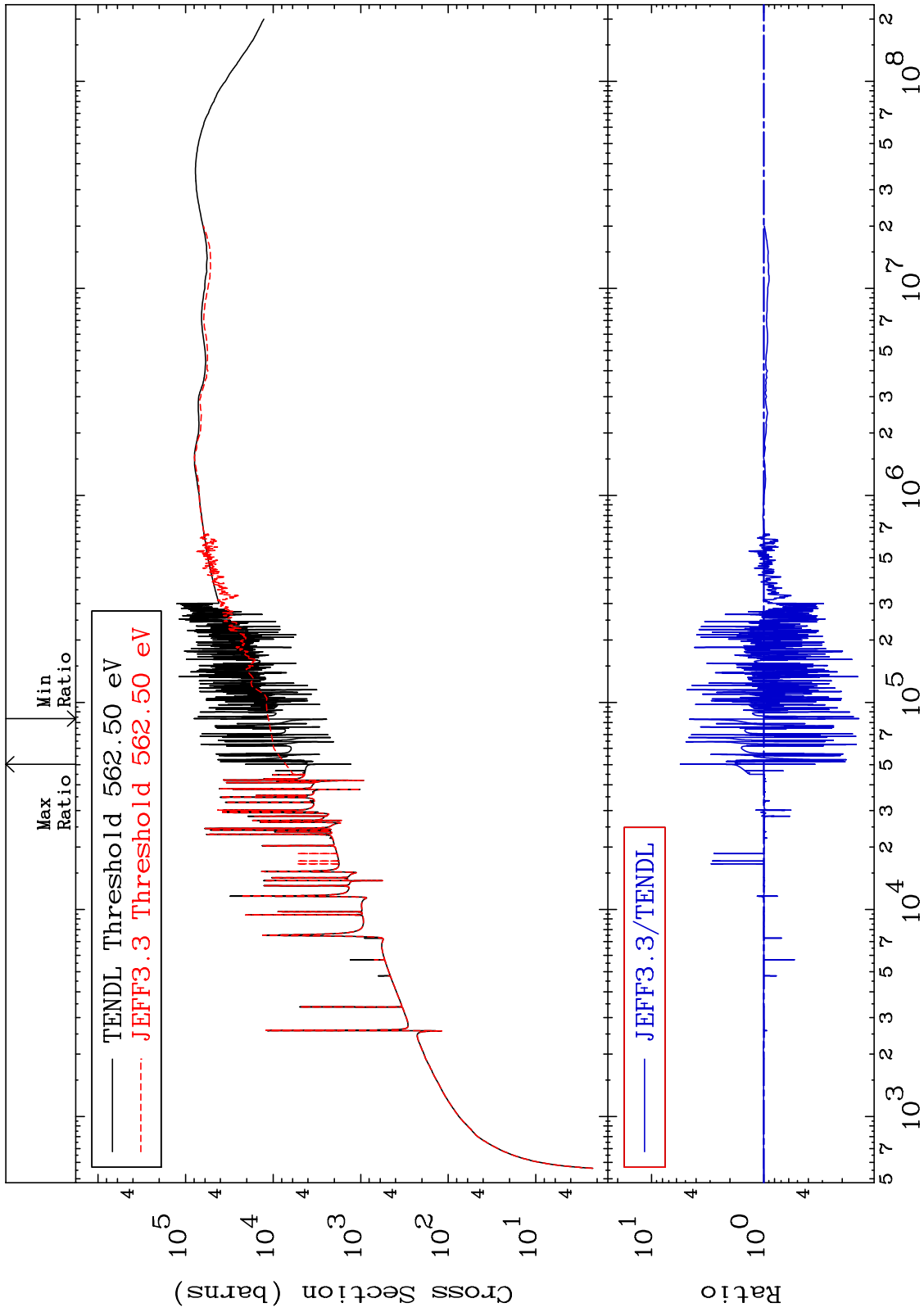
39-Y -89
-85.81 To 454.6 %

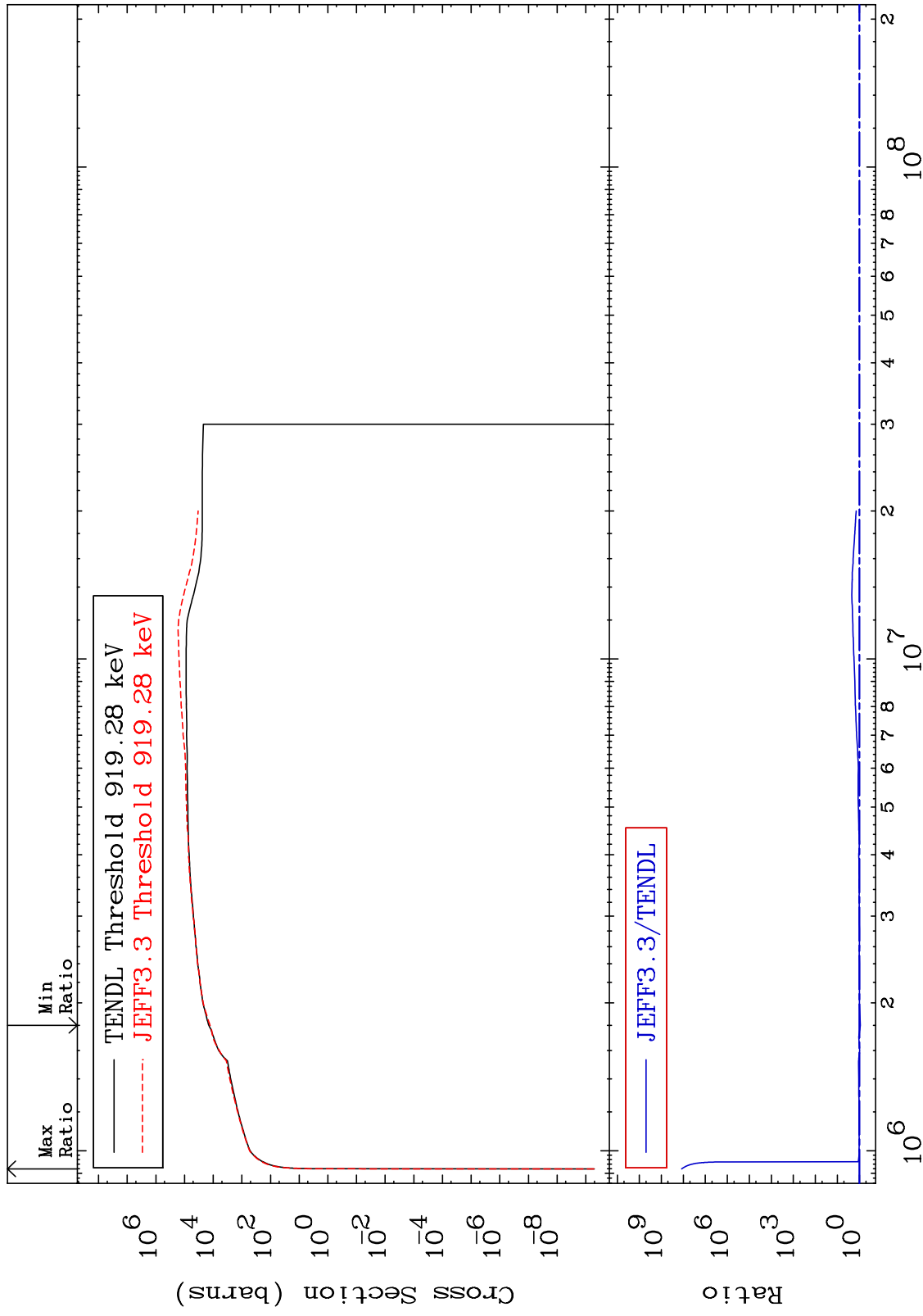


MAT 3925

Dpa elastic (mt2)
Cross Section

39-Y -89
-85.81 To 454.9 %

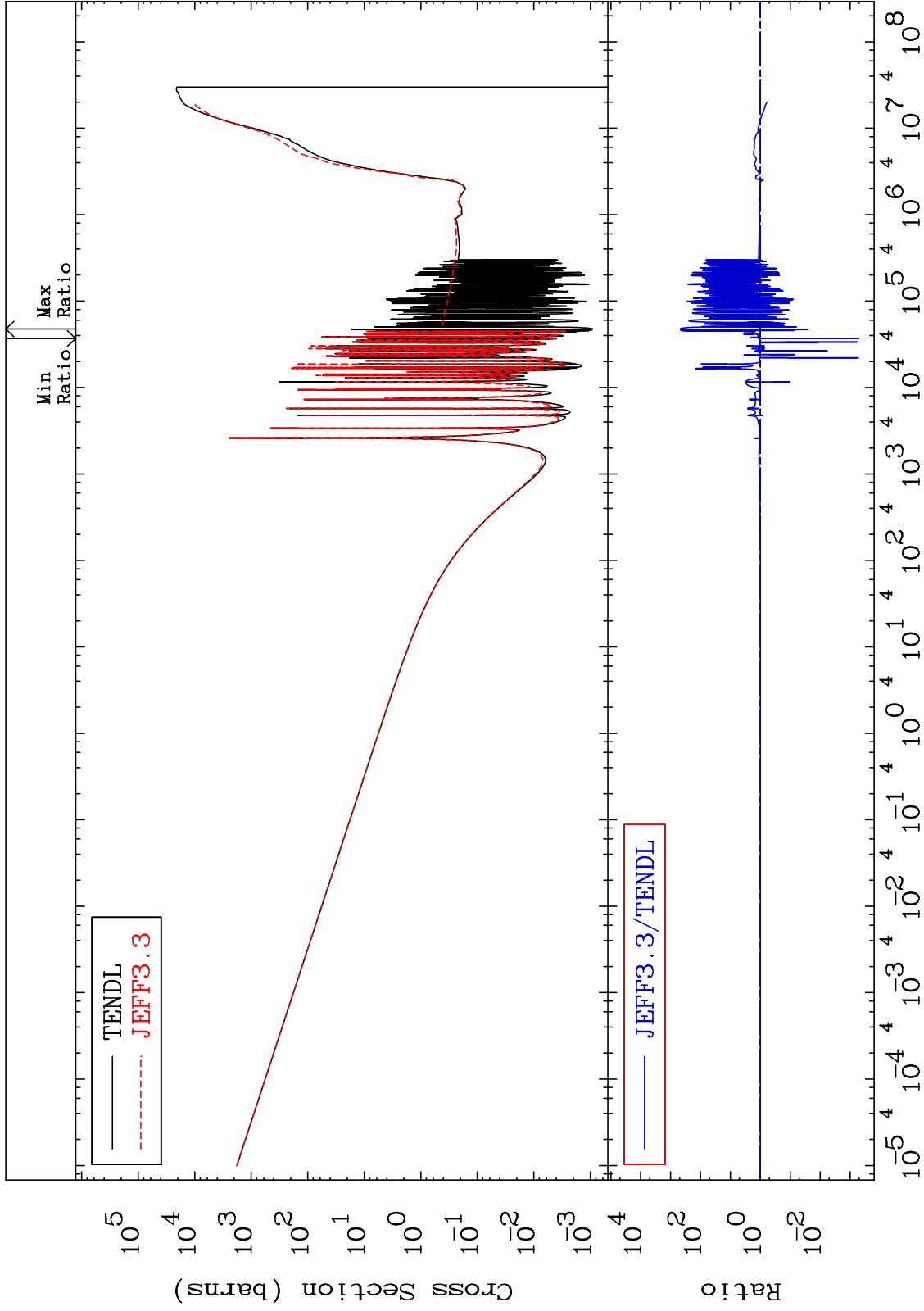




MAT 3925

Dpa disappearance (mt102 -120)
Cross Section

39-Y -89
-99.95 To 9999. %

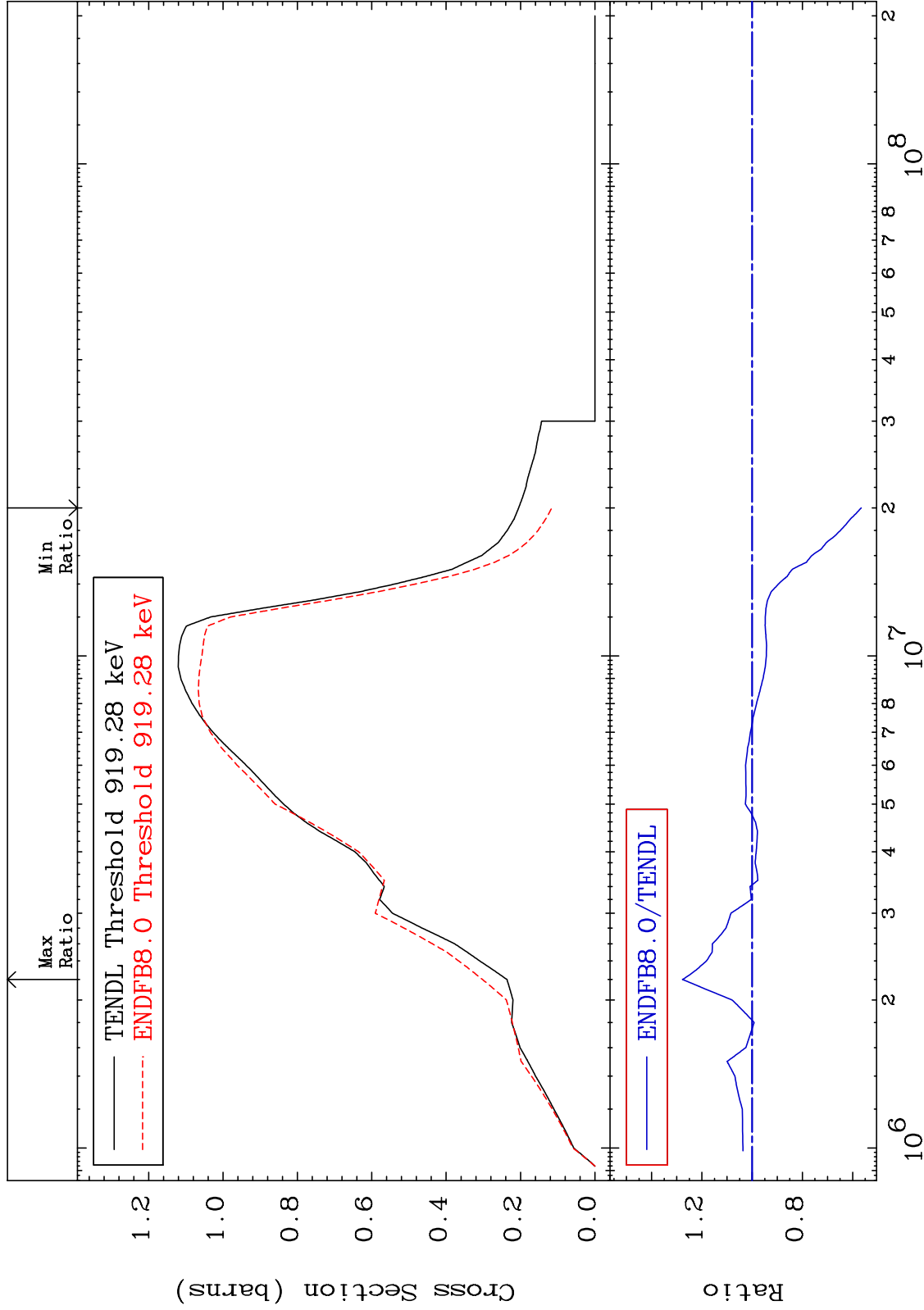


MAT 3925

Inelastic:39-Y -89m1

39-Y -89

Radionuclide Production Cross Section -43.43 To 27.73 %



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Incident Energy (eV)

39-Y -89