

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

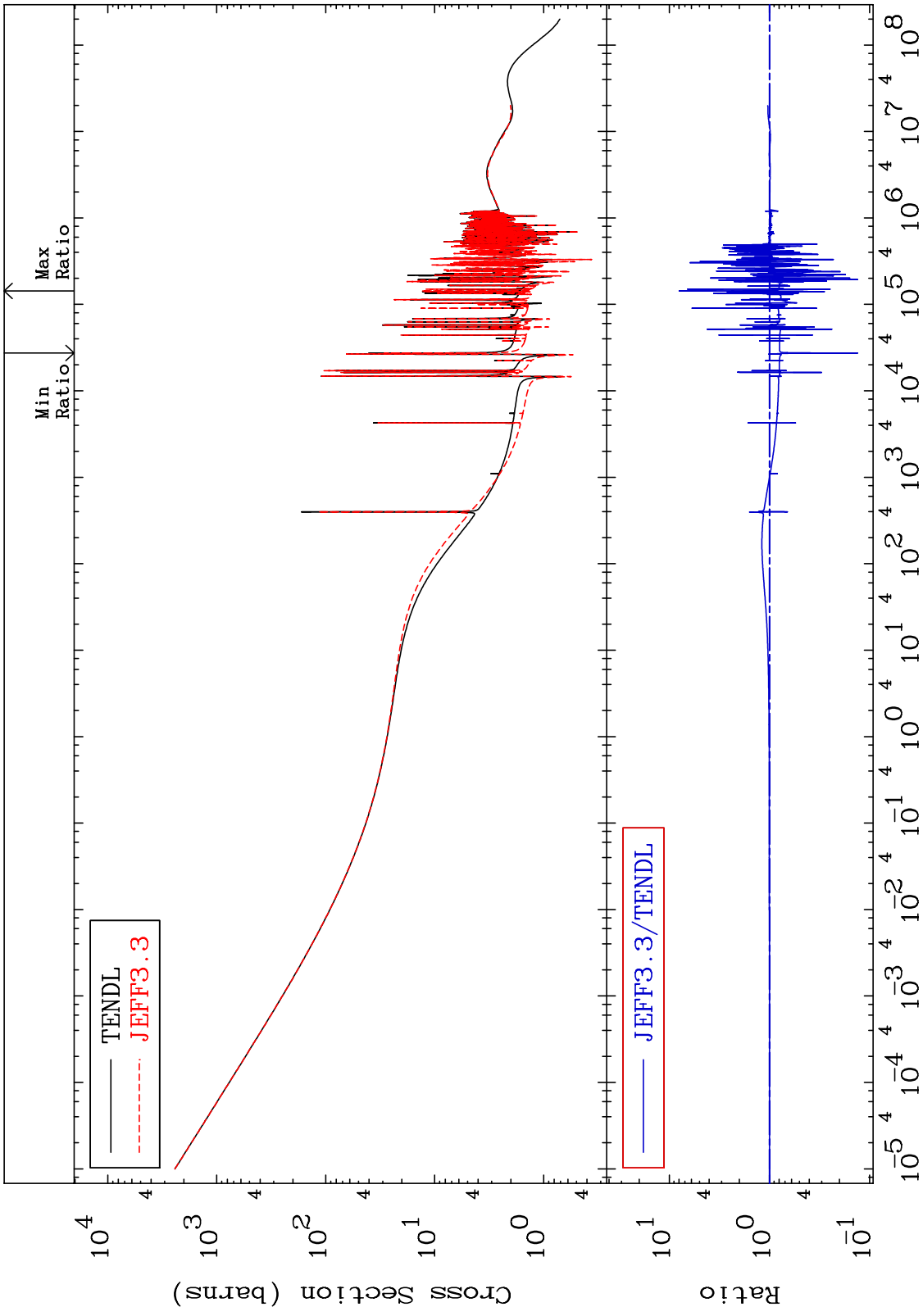
U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 1725 17-Cl-35 Total Cross Section -86.93 To 699.2 %

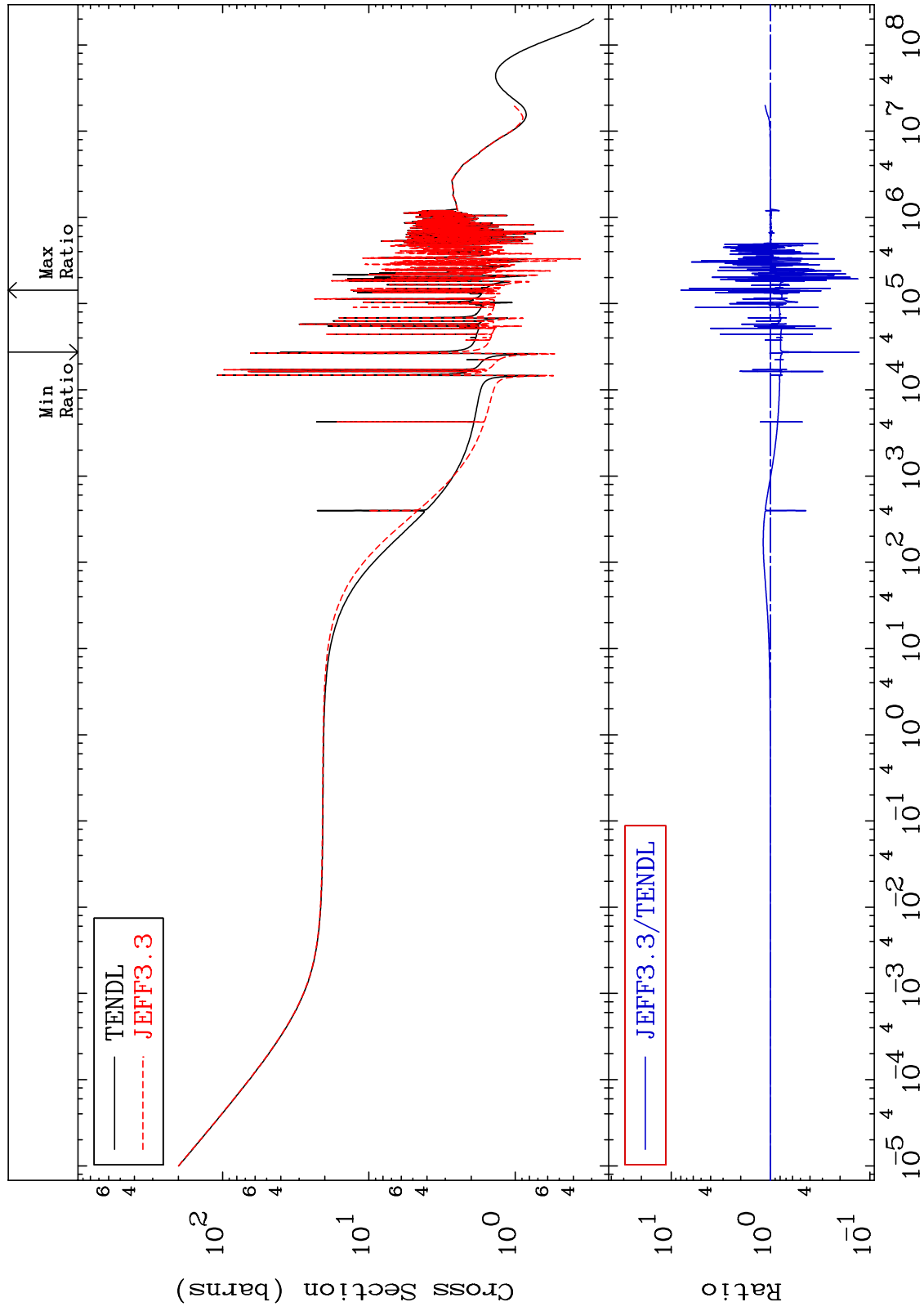


17-Cl-35

MAT 1725

Elastic
Cross Section

17-Cl-35
-87.14 To 699.5 %

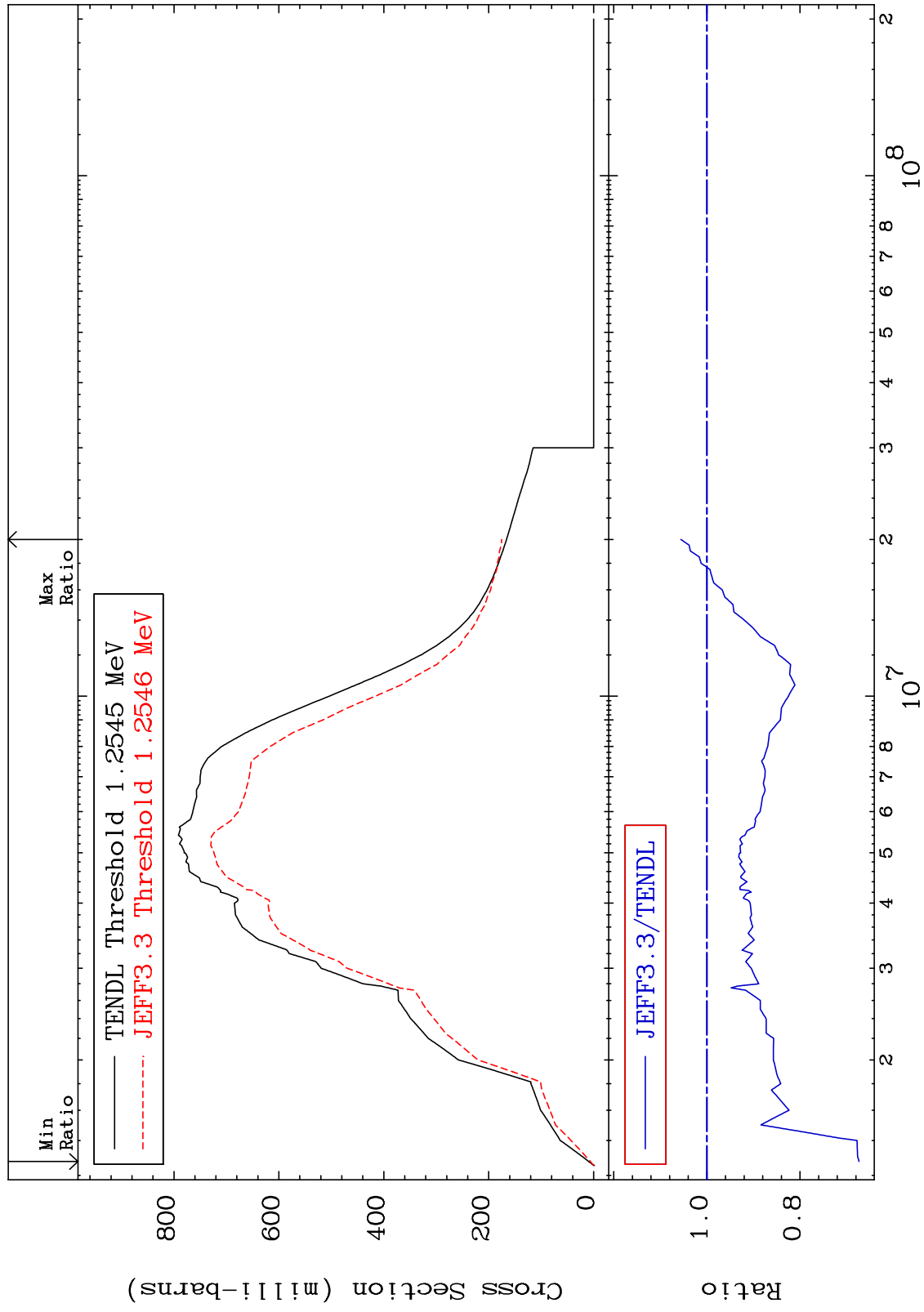


2

Incident Energy (eV)

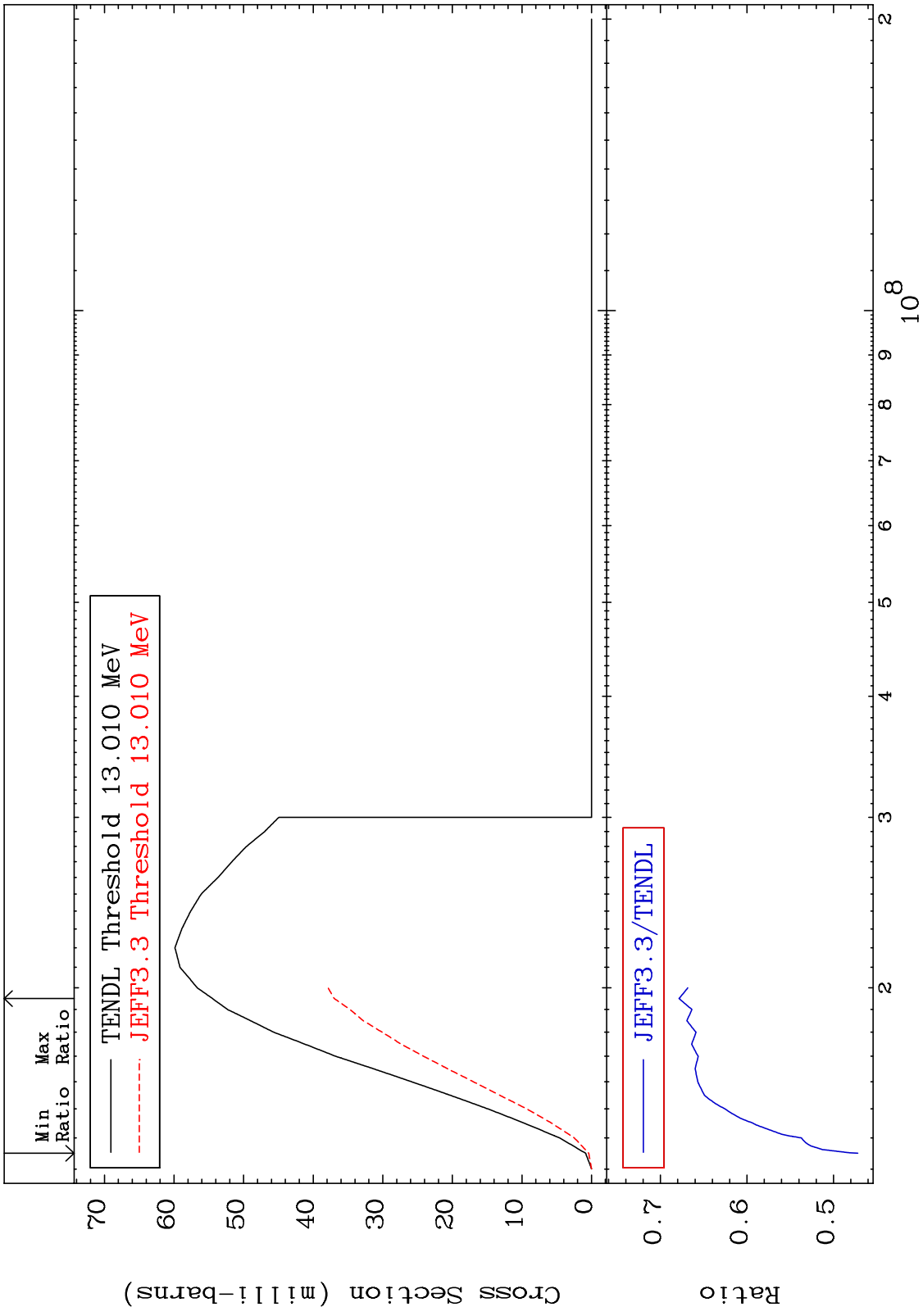
17-Cl-35

MAT 1725 Inelastic Cross Section 17-Cl-35 -32.67 To 5.596 %

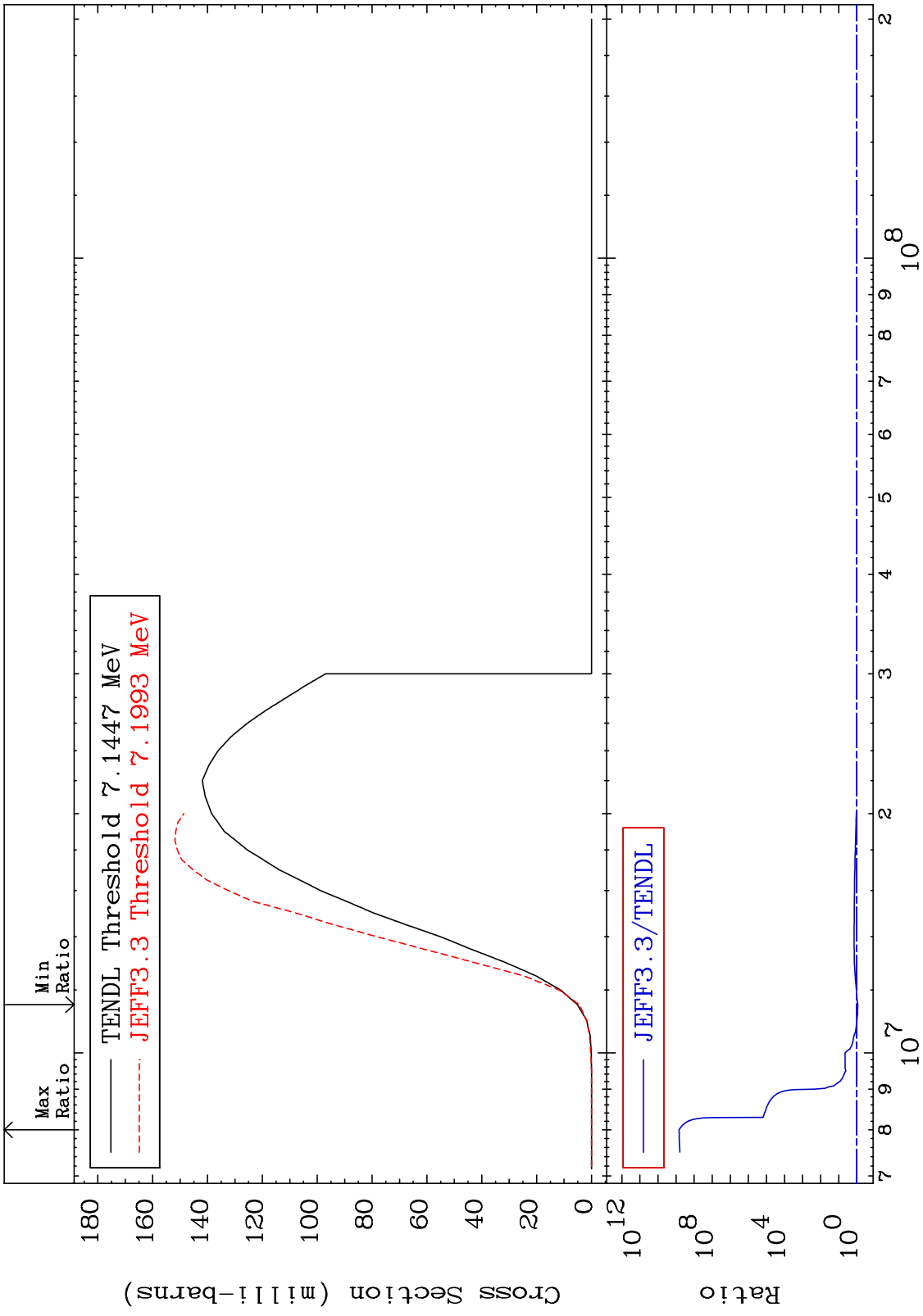


3 17-Cl-35

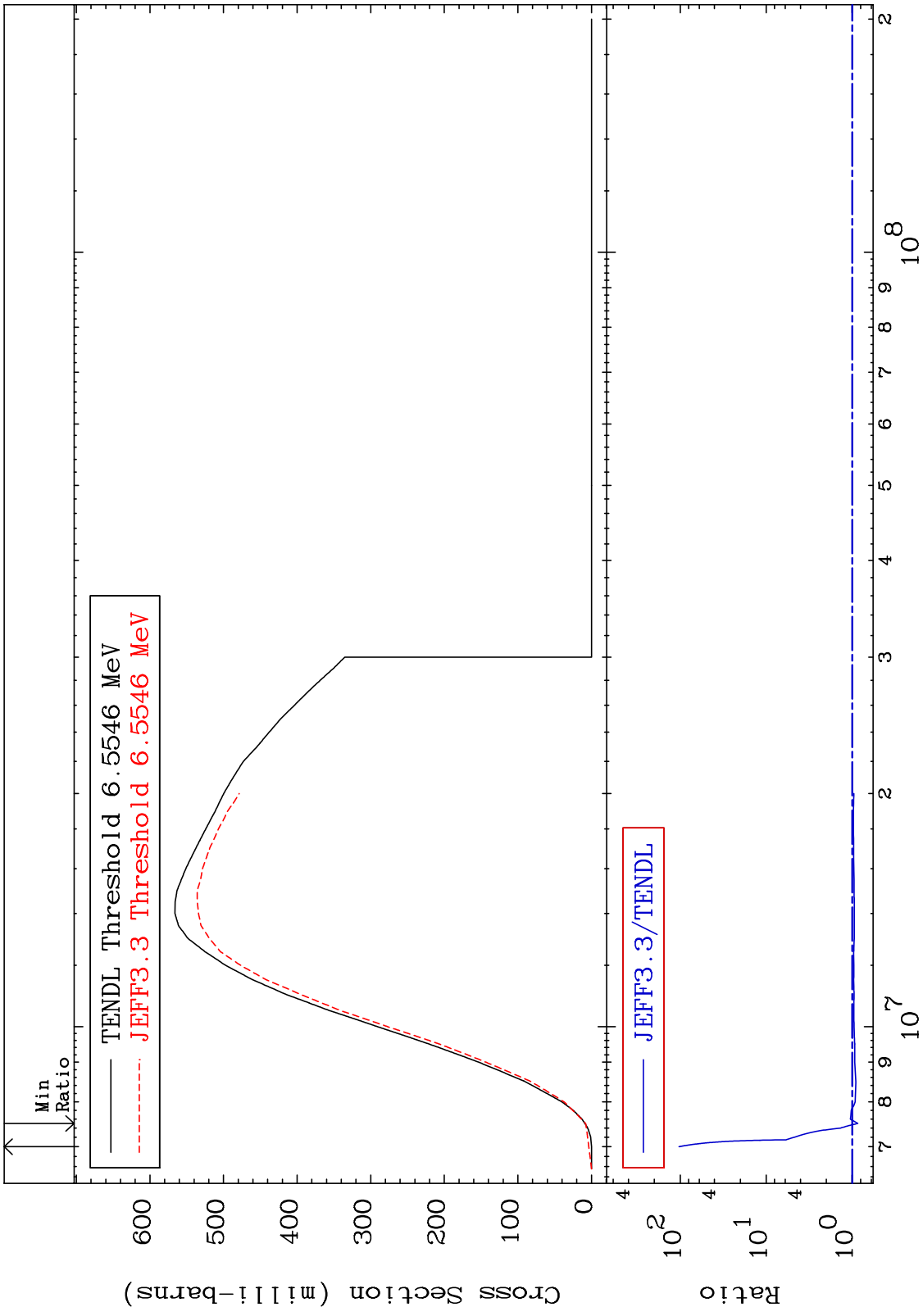
MAT 1725 (n,2n) Cross Section 17-Cl-35
 -52.81 To -32.15%



MAT 1725 (n,n') α 17-Cl-35
 Cross Section -12.70 To 9999. %

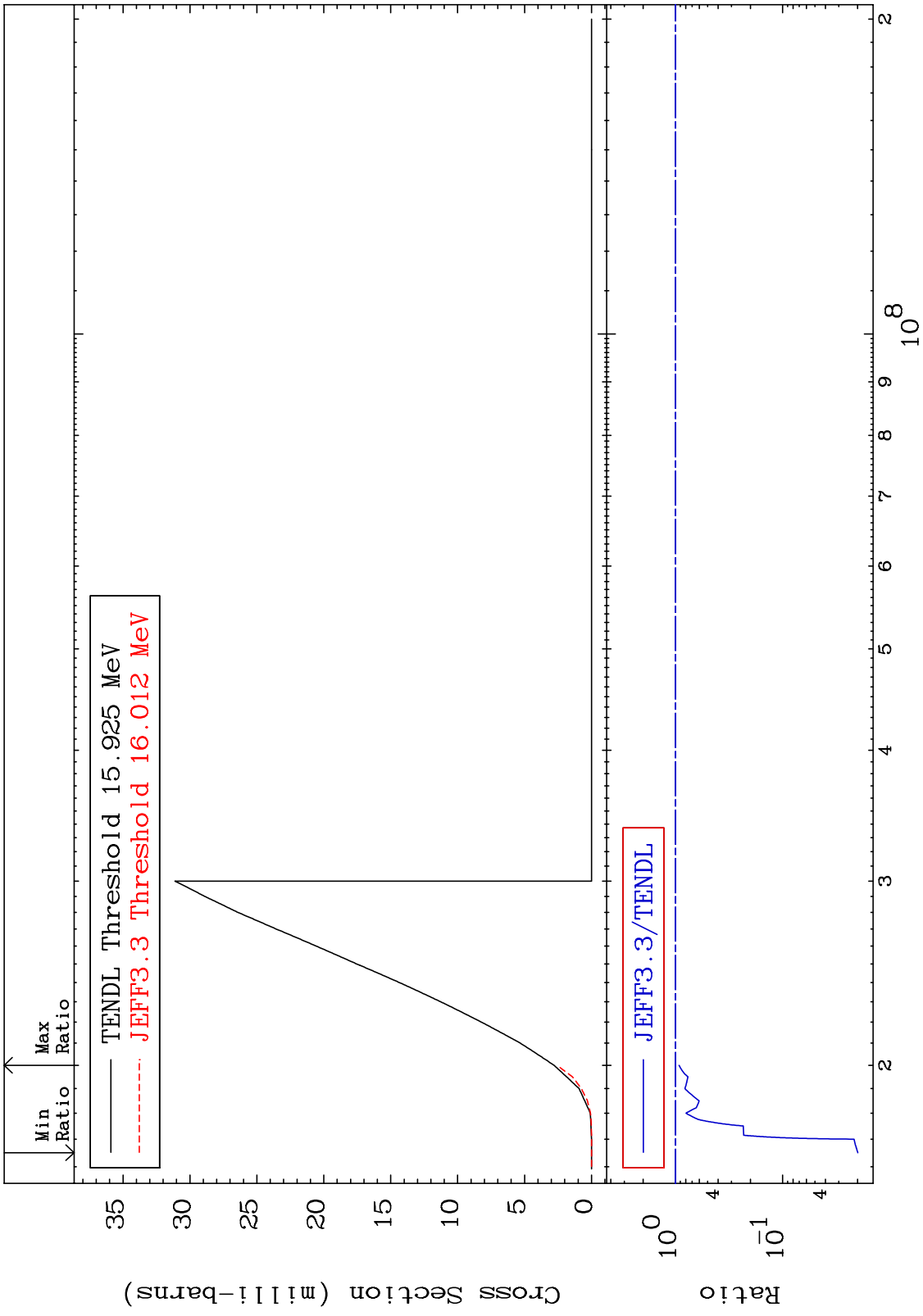


MAT 1725 (n,n') p 17-Cl-35
 Cross Section -13.98 To 9999. %

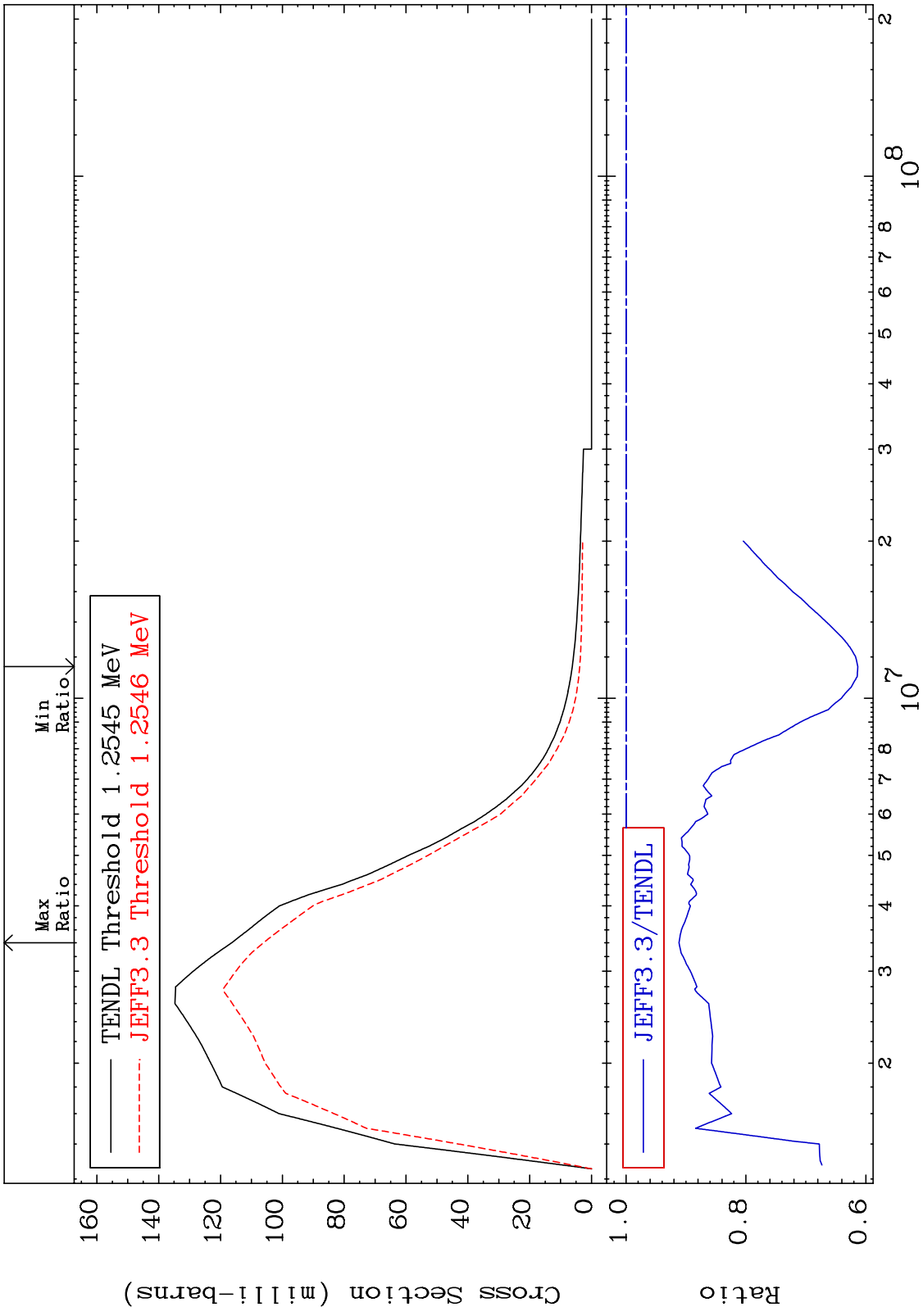


6 17-Cl-35 Incident Energy (eV)

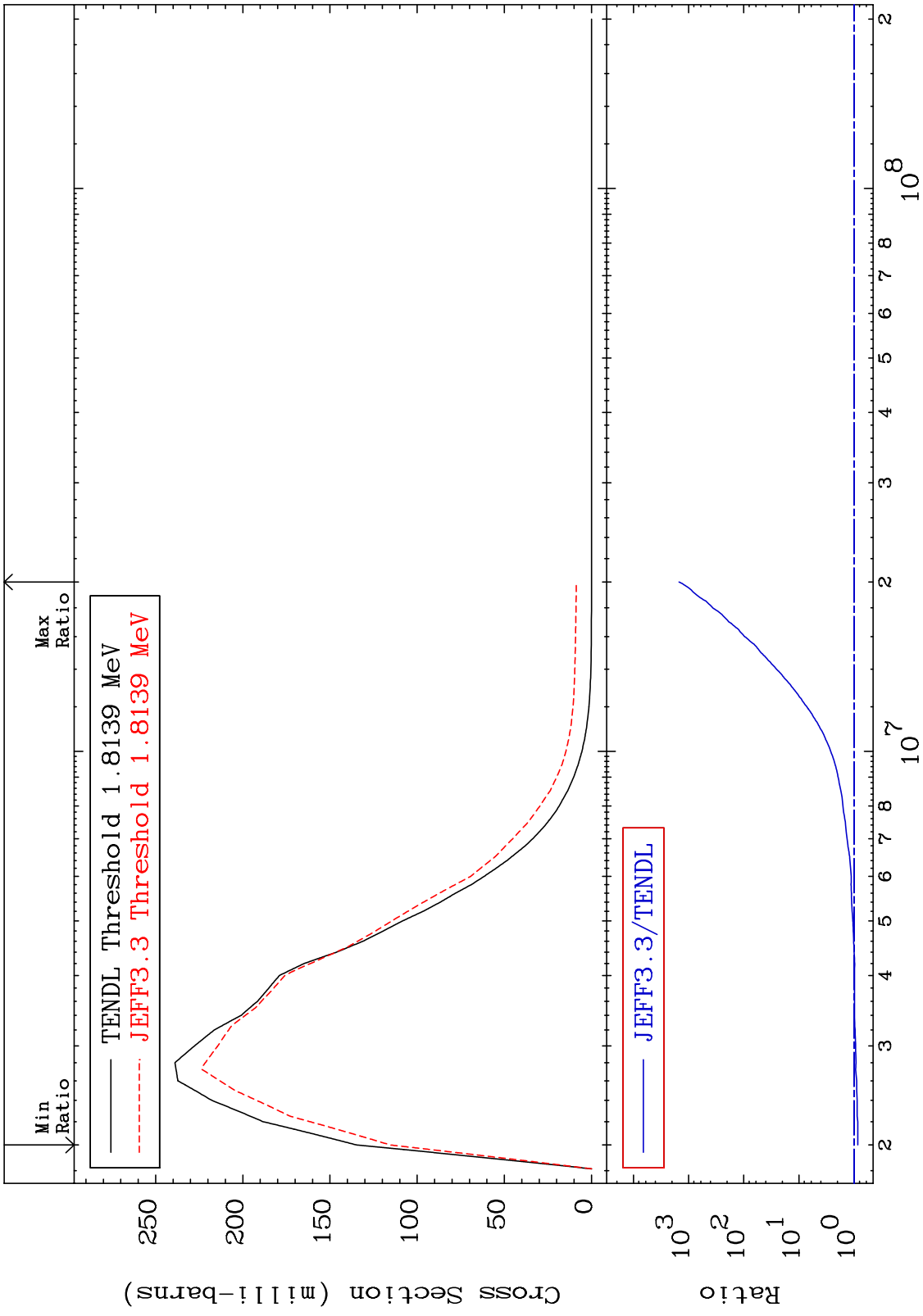
MAT 1725 (n,n') d 17-Cl-35
 Cross Section -98.01 To -7.458%



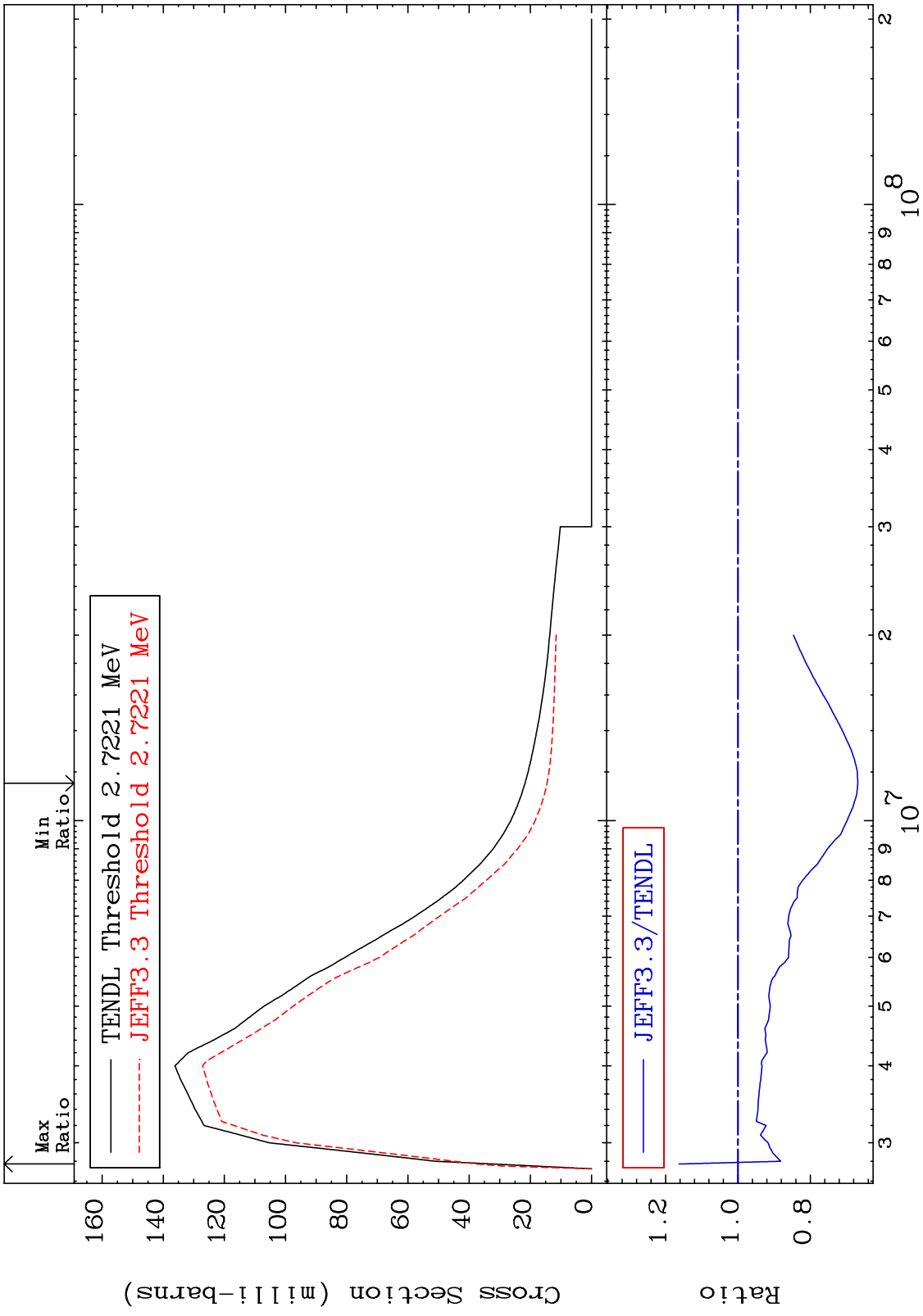
MAT 1725 MT= 51 (n,n') Level Cross Section 17-Cl-35
 -38.67 To -8.837%



MAT 1725 MT= 52 (n,n') Level Cross Section -14.30 To 9999. % 17-Cl-35

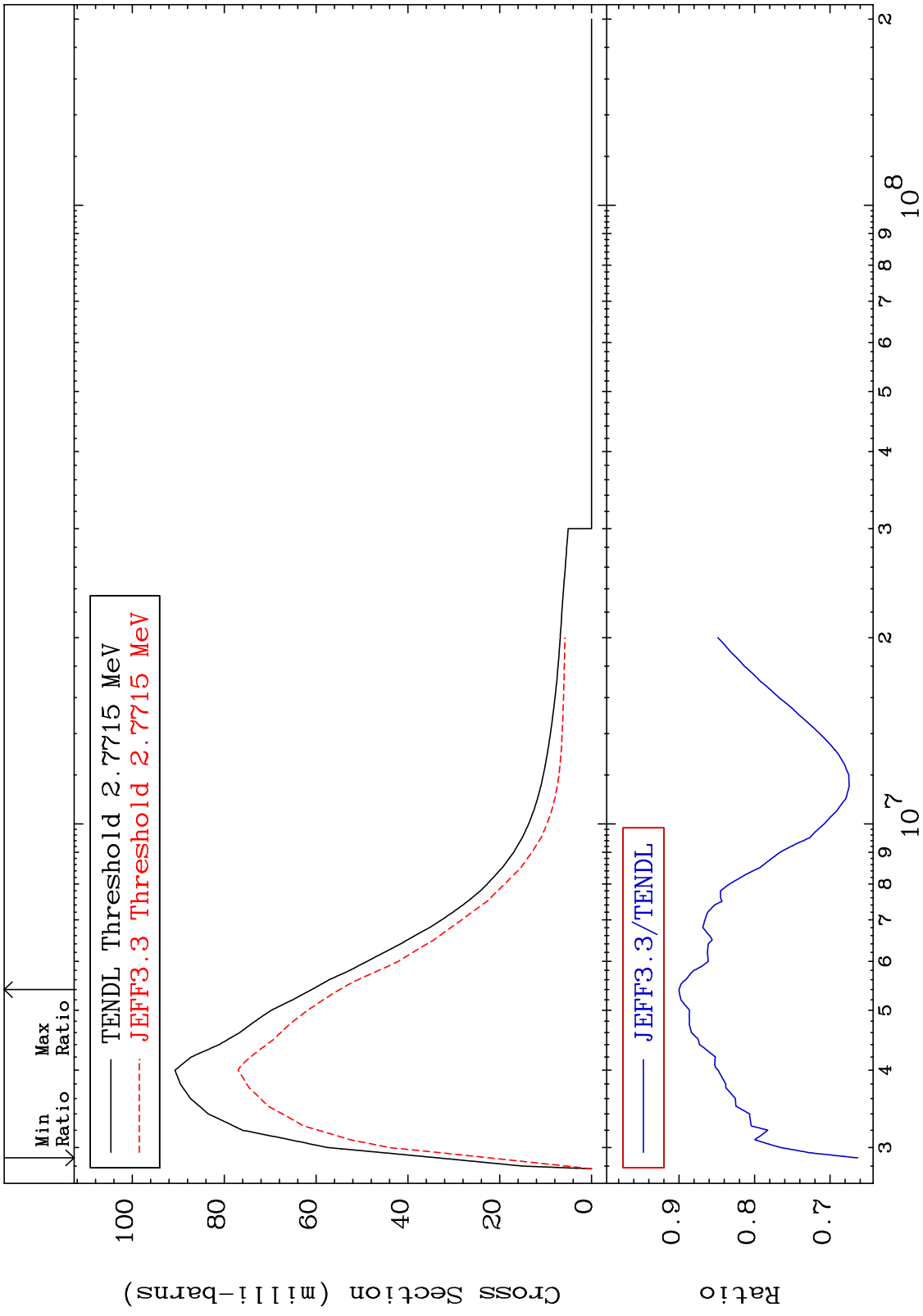


MAT 1725 MT= 53 (n,n') Level Cross Section -33.14 To 16.27 % 17-Cl-35

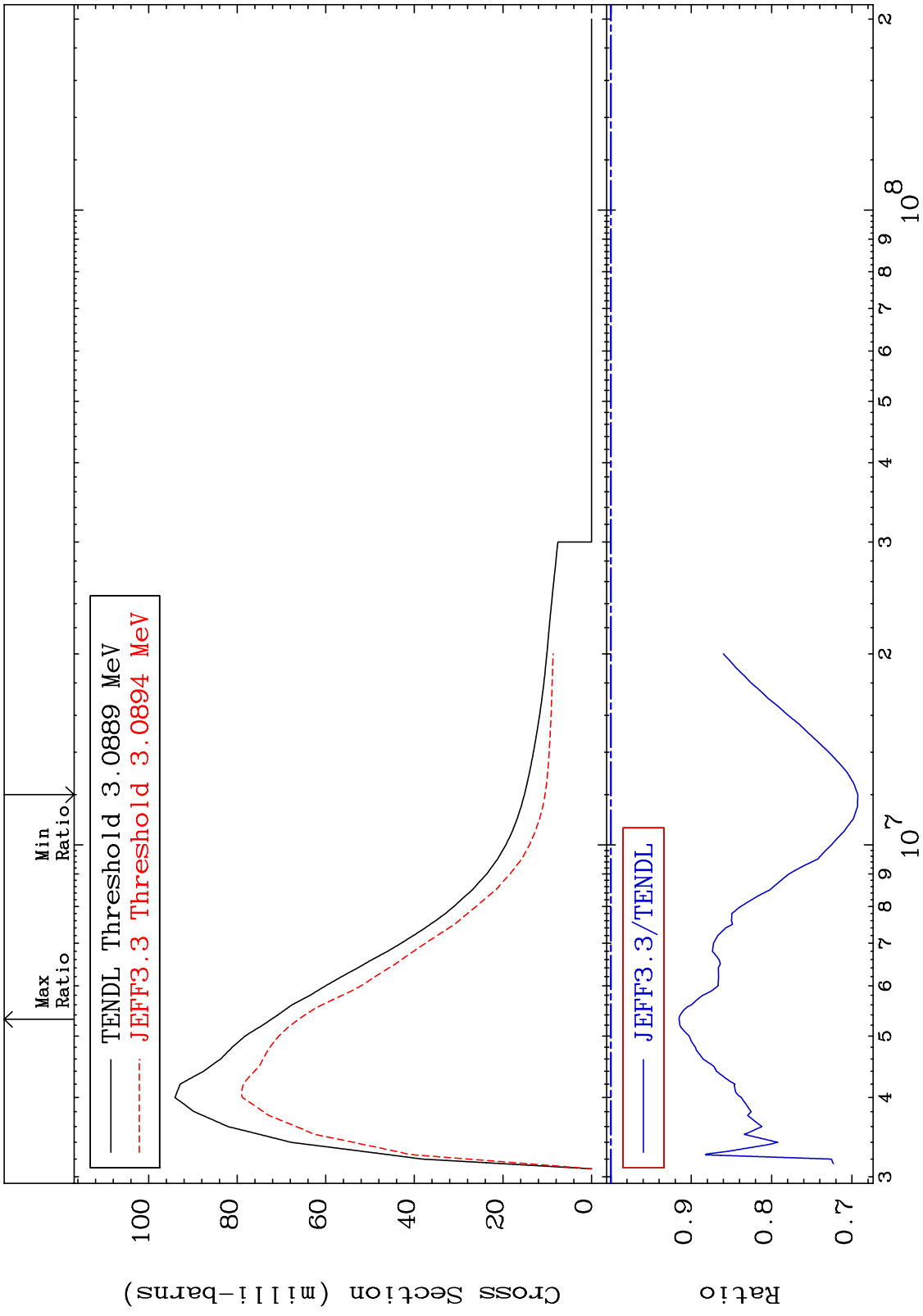


10 Incident Energy (eV) 17-Cl-35

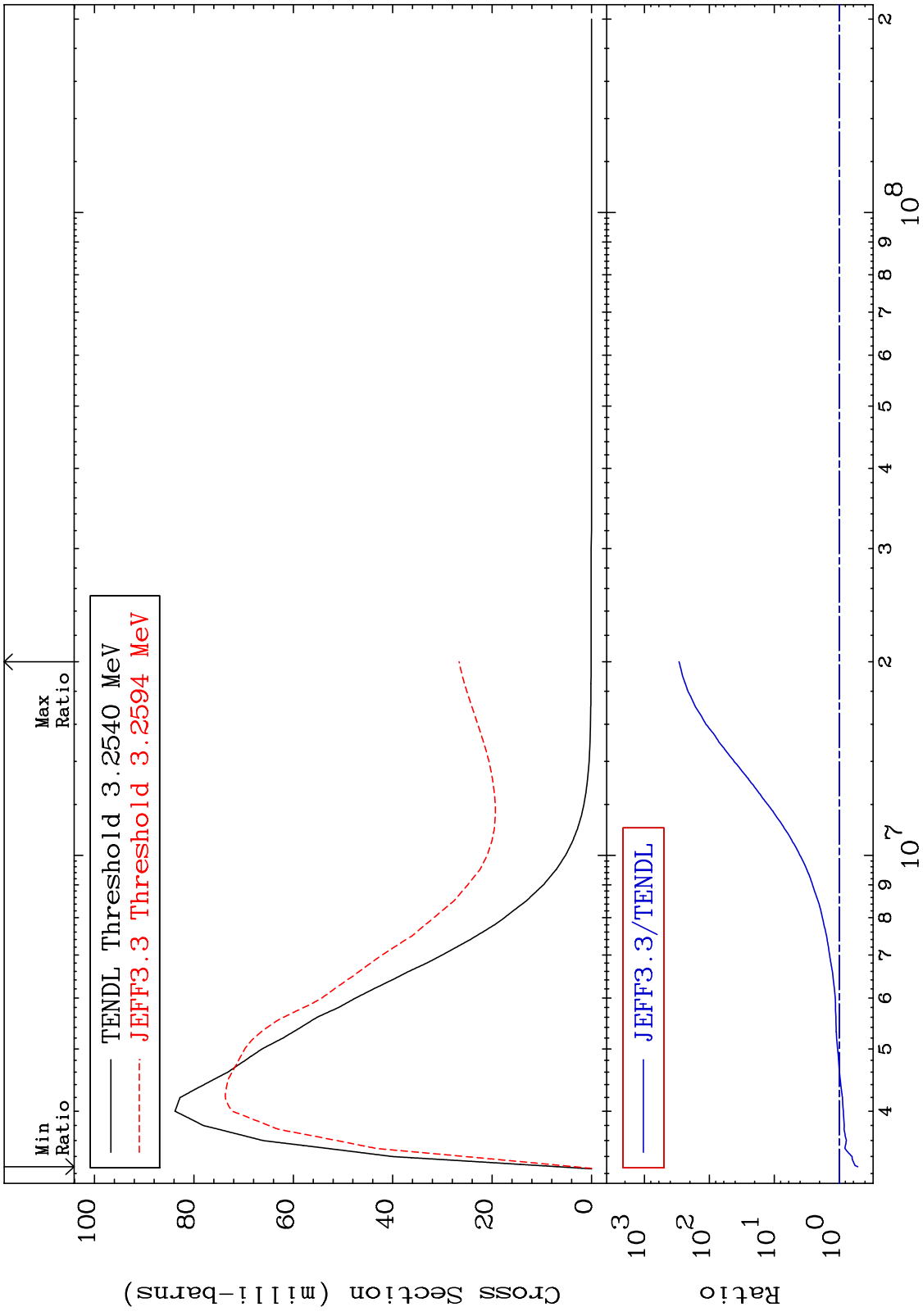
MAT 1725 MT= 54 (n,n') Level Cross Section 17-Cl-35
 -33.68 To -10.00%



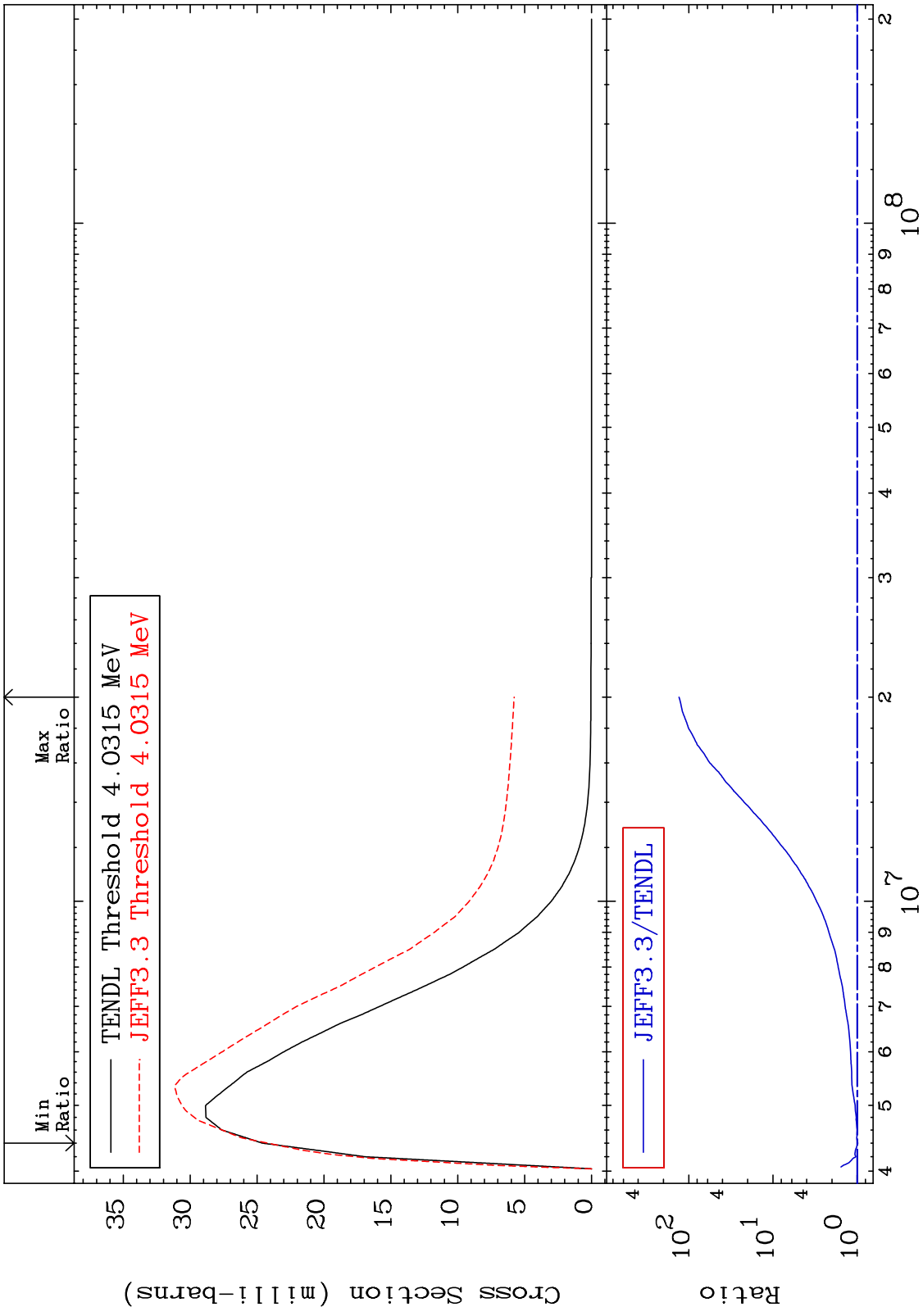
MAT 1725 MT= 55 (n,n') Level Cross Section 17-Cl-35
 -30.73 To -8.481%



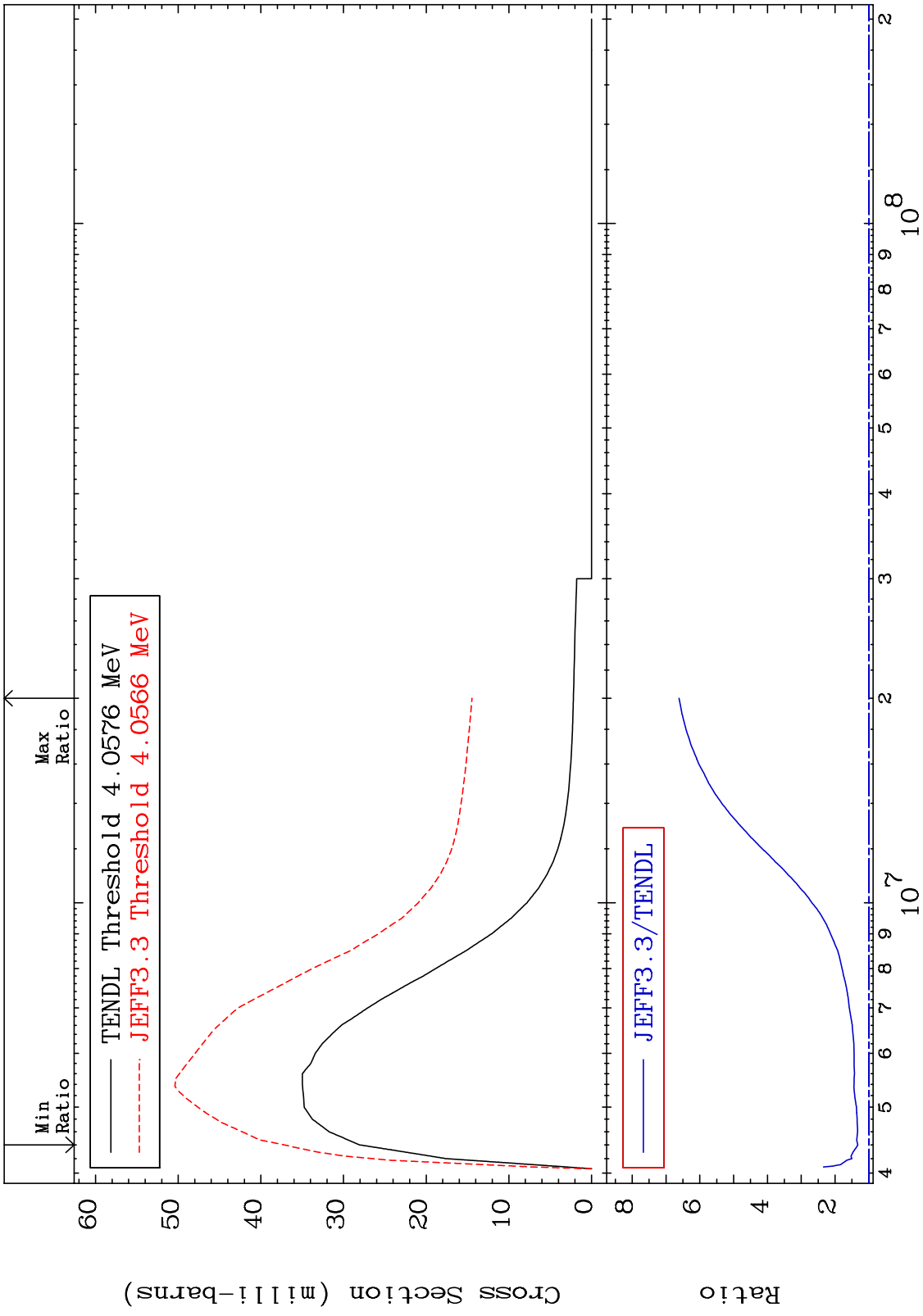
MAT 1725 MT= 56 (n,n') Level Cross Section 17-Cl-35
 -48.54 To 9999. %



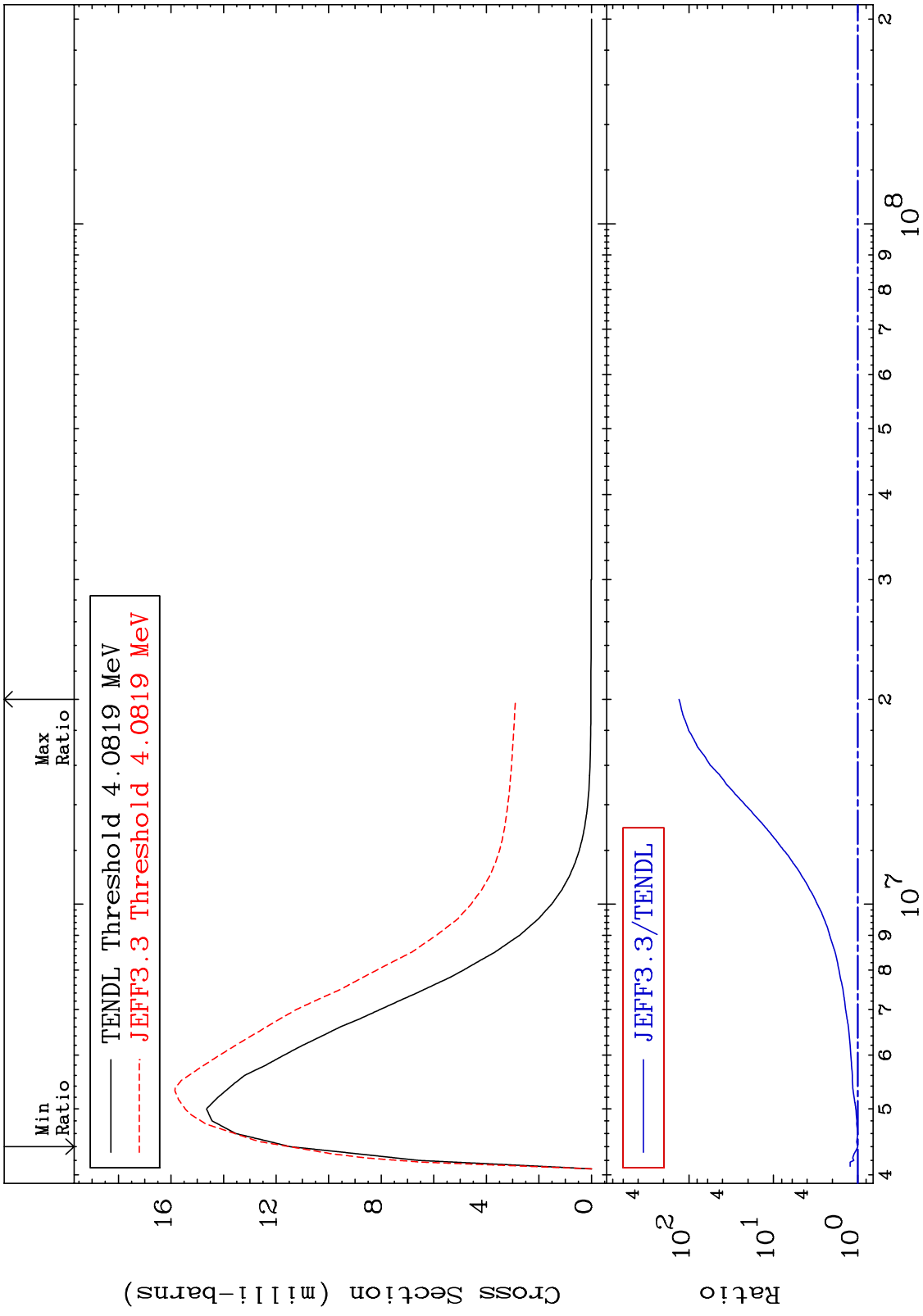
MAT 1725 MT= 57 (n,n') Level Cross Section -1.611 To 9999. % 17-Cl-35



MAT 1725 MT= 58 (n,n') Level Cross Section 17-Cl-35
 32.63 To 561.4 %

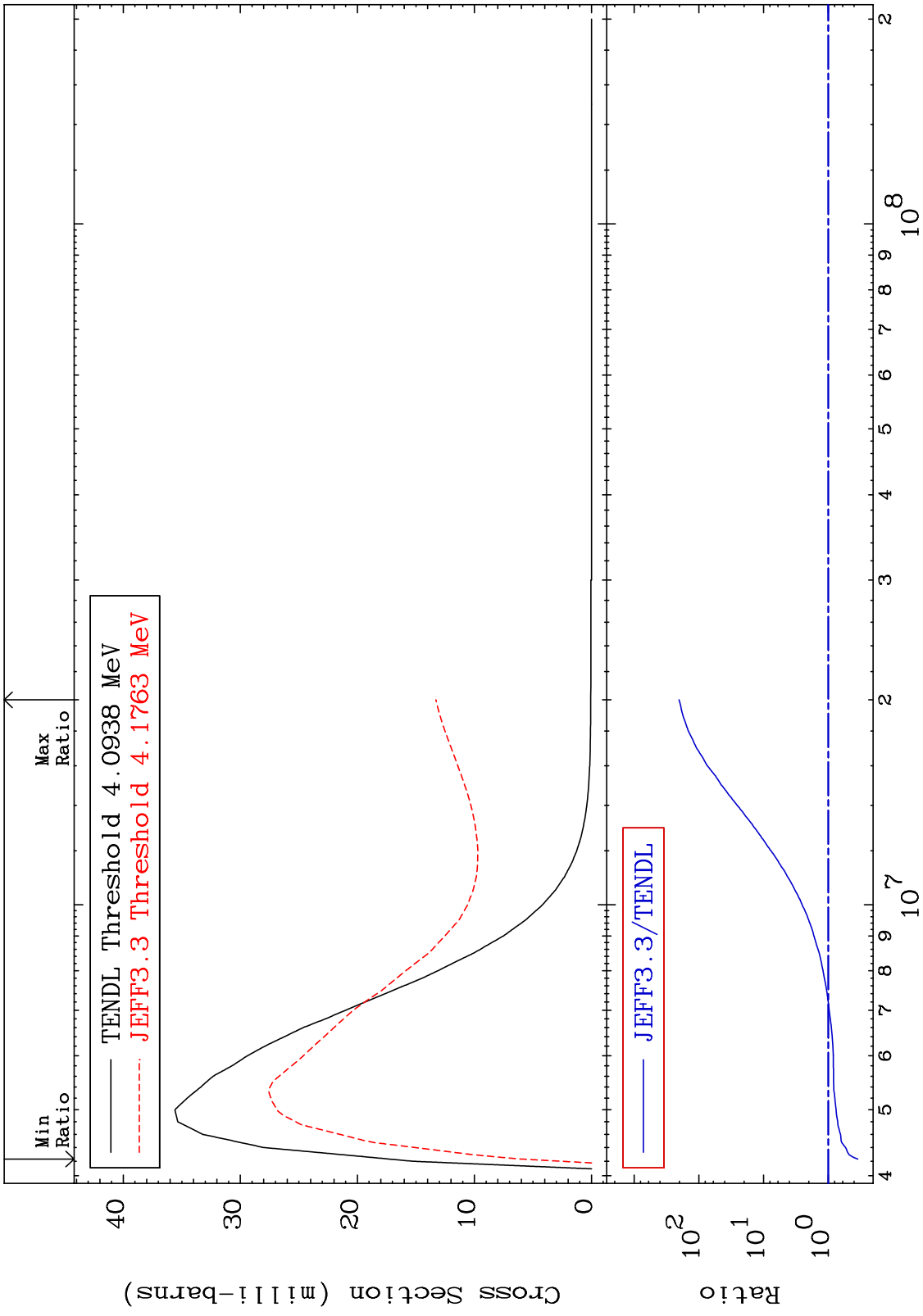


MAT 1725 MT= 59 (n,n') Level Cross Section 17-Cl-35 To 9999. %

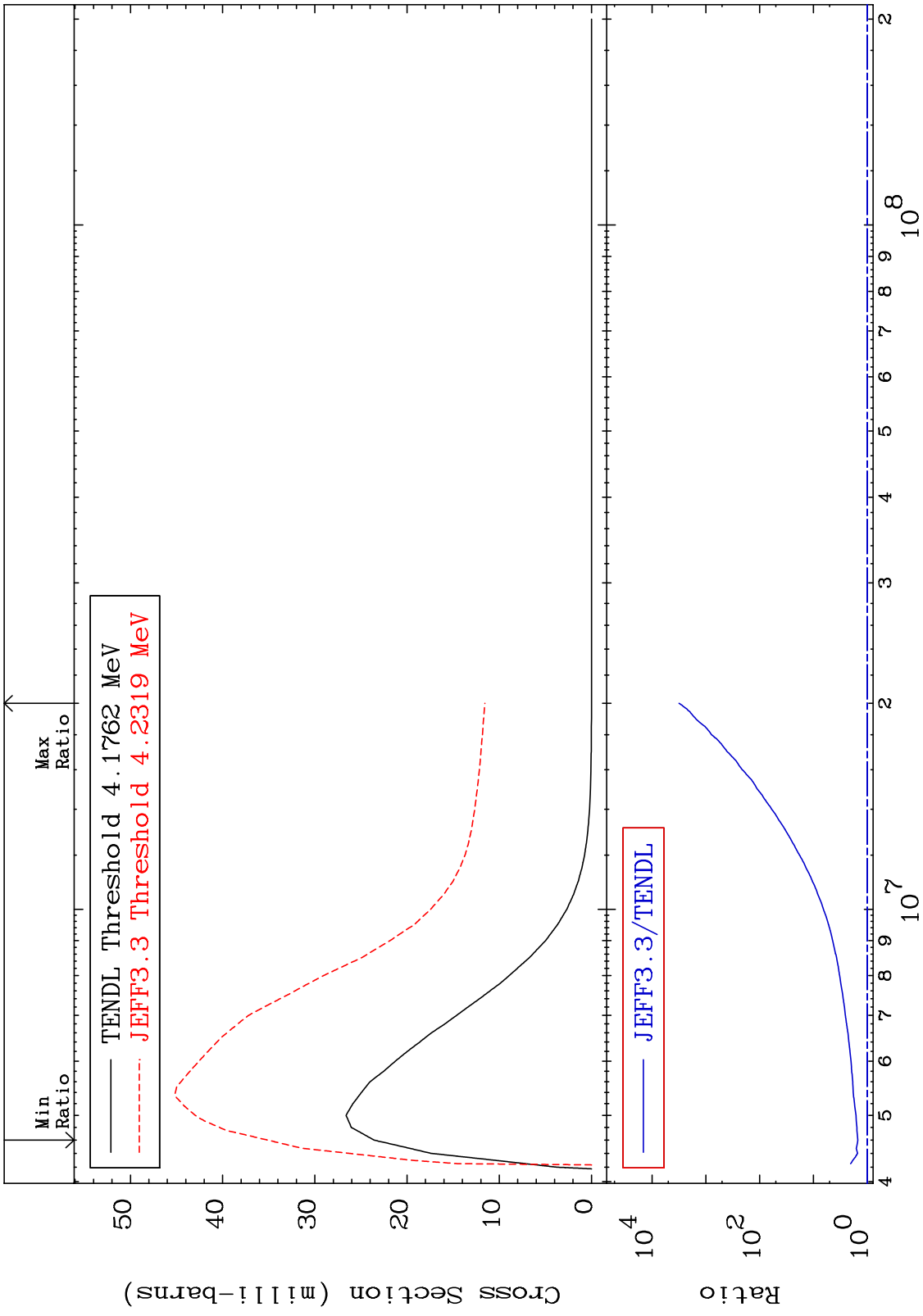


16 Incident Energy (eV) 17-Cl-35

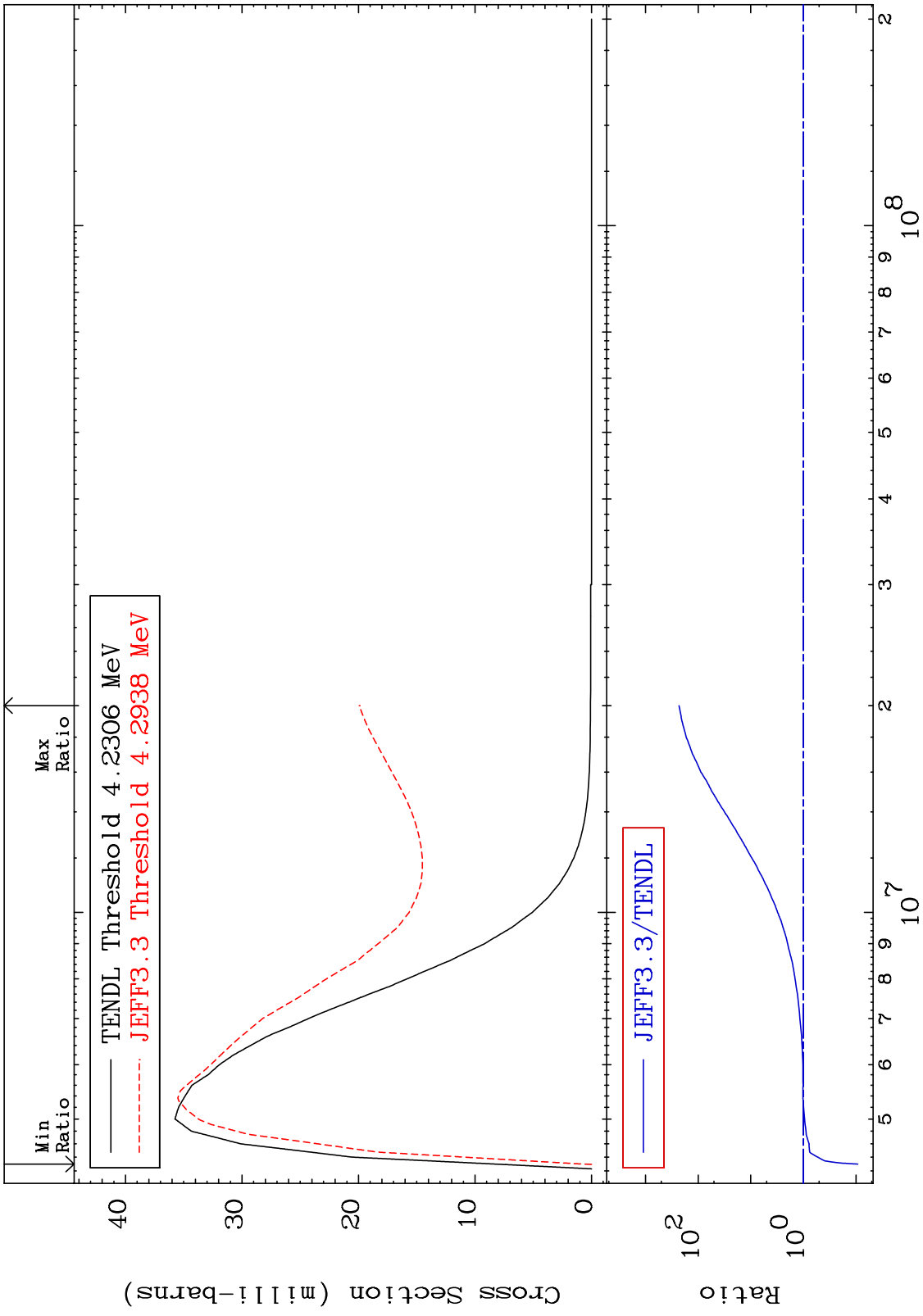
MAT 1725 MT= 60 (n,n') Level Cross Section 17-CI-35
 -65.10 To 9999. %



MAT 1725 MT= 61 (n,n') Level Cross Section 17-Cl-35
 48.89 To 9999. %



MAT 1725 MT= 62 (n,n') Level Cross Section 17-Cl-35
 -90.79 To 9999. %

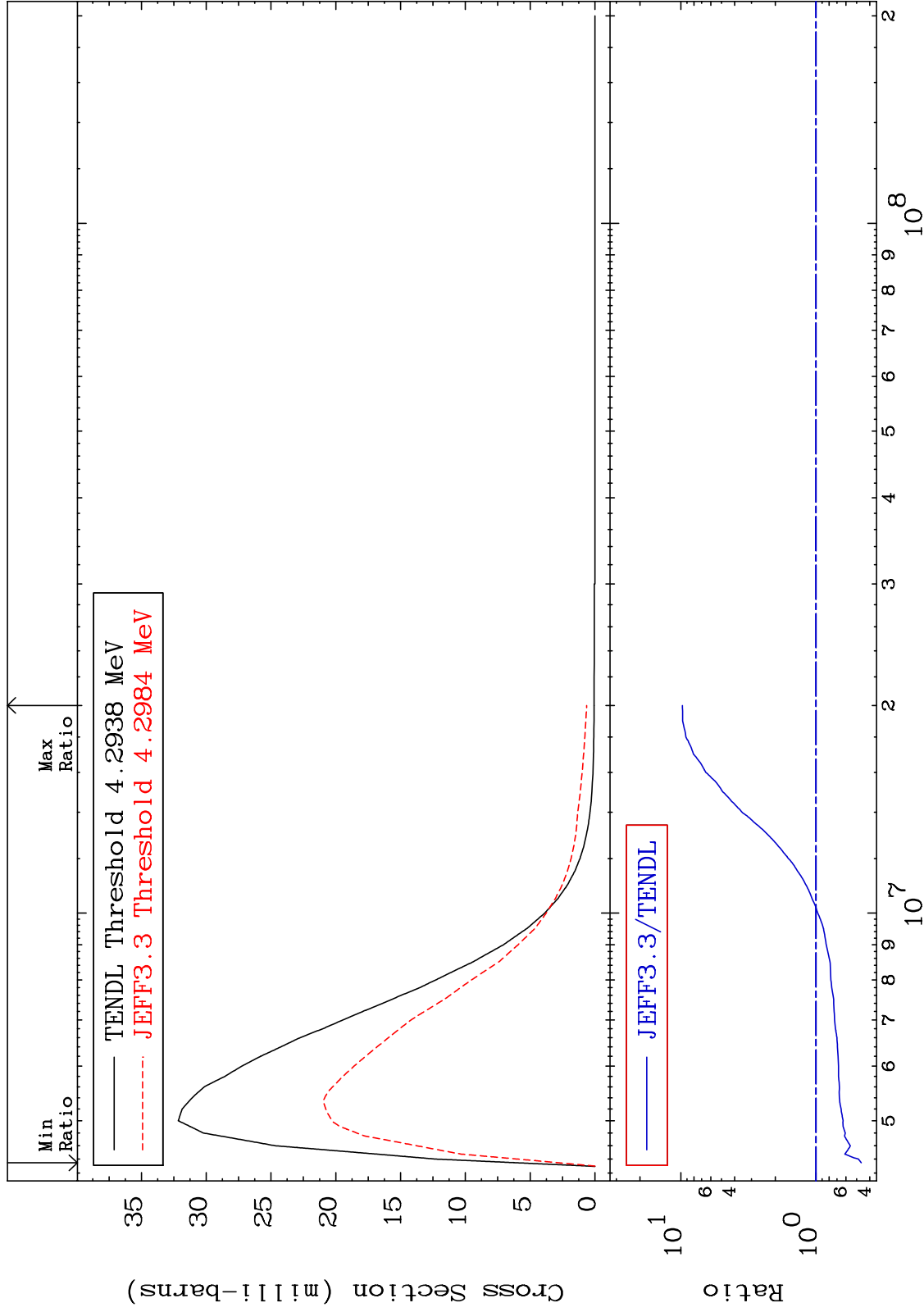


19 17-Cl-35 Incident Energy (eV)

MAT 1725

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

17-Cl-35
-53.75 To 871.9 %

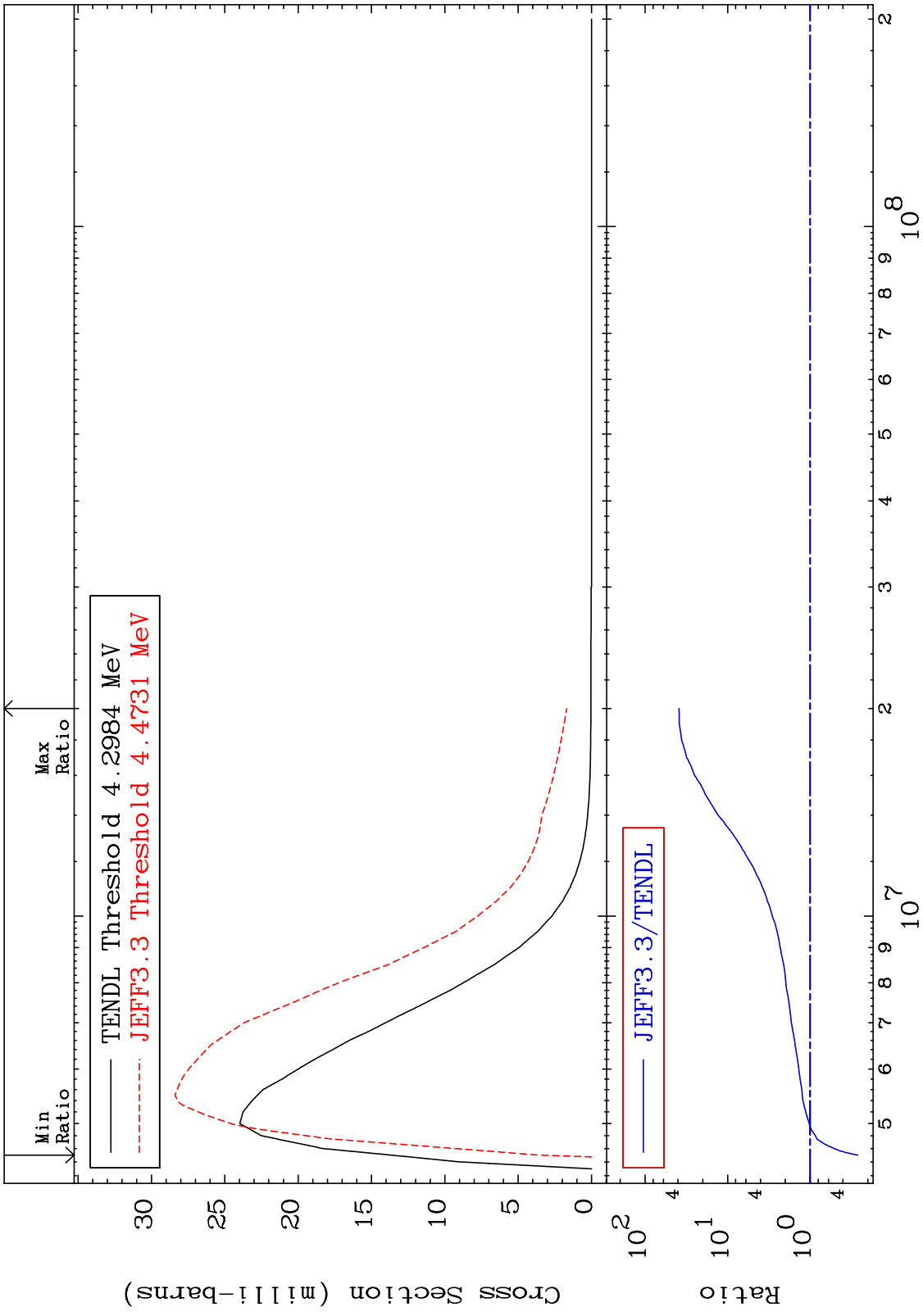


20

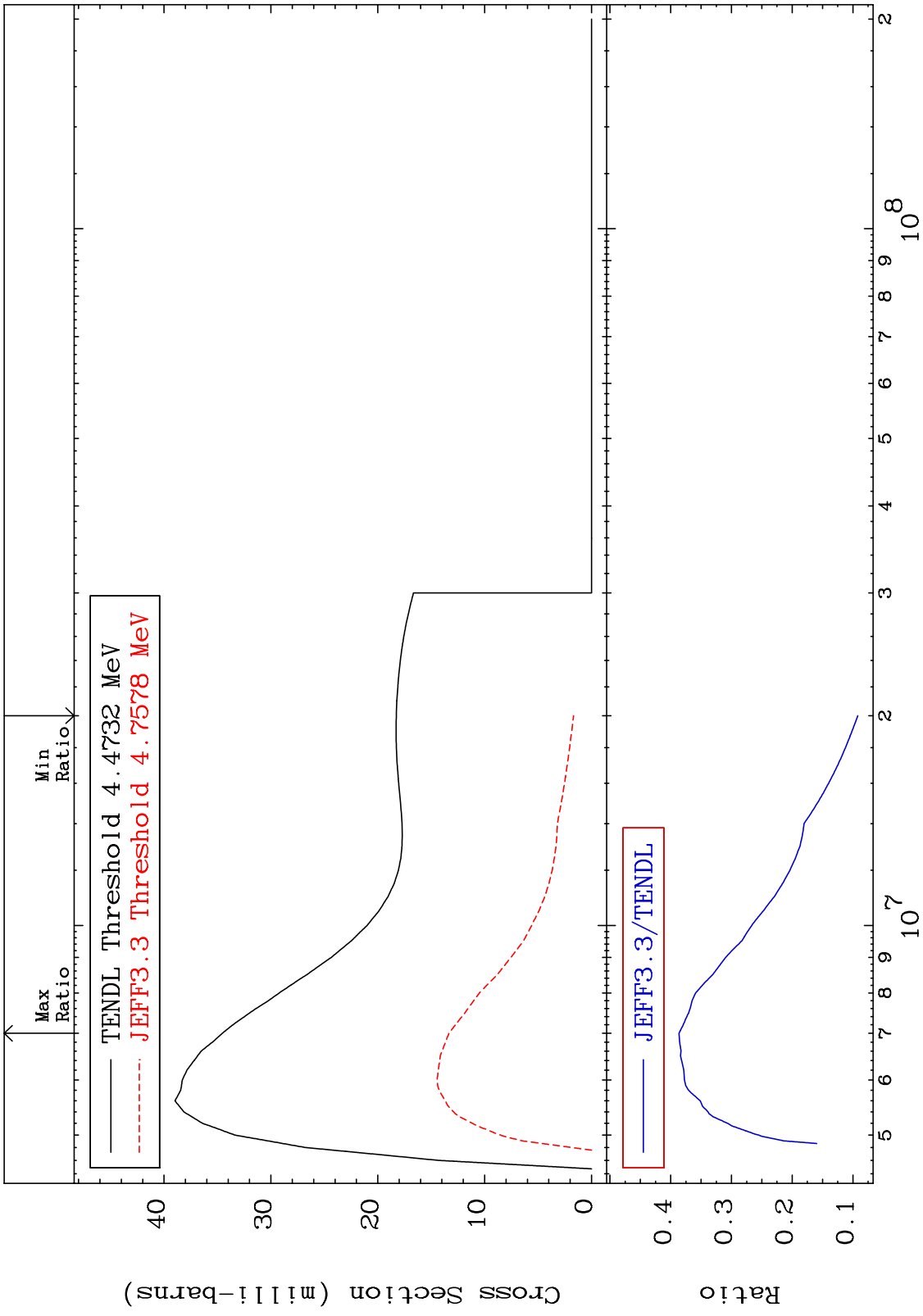
Incident Energy (eV)

17-Cl-35

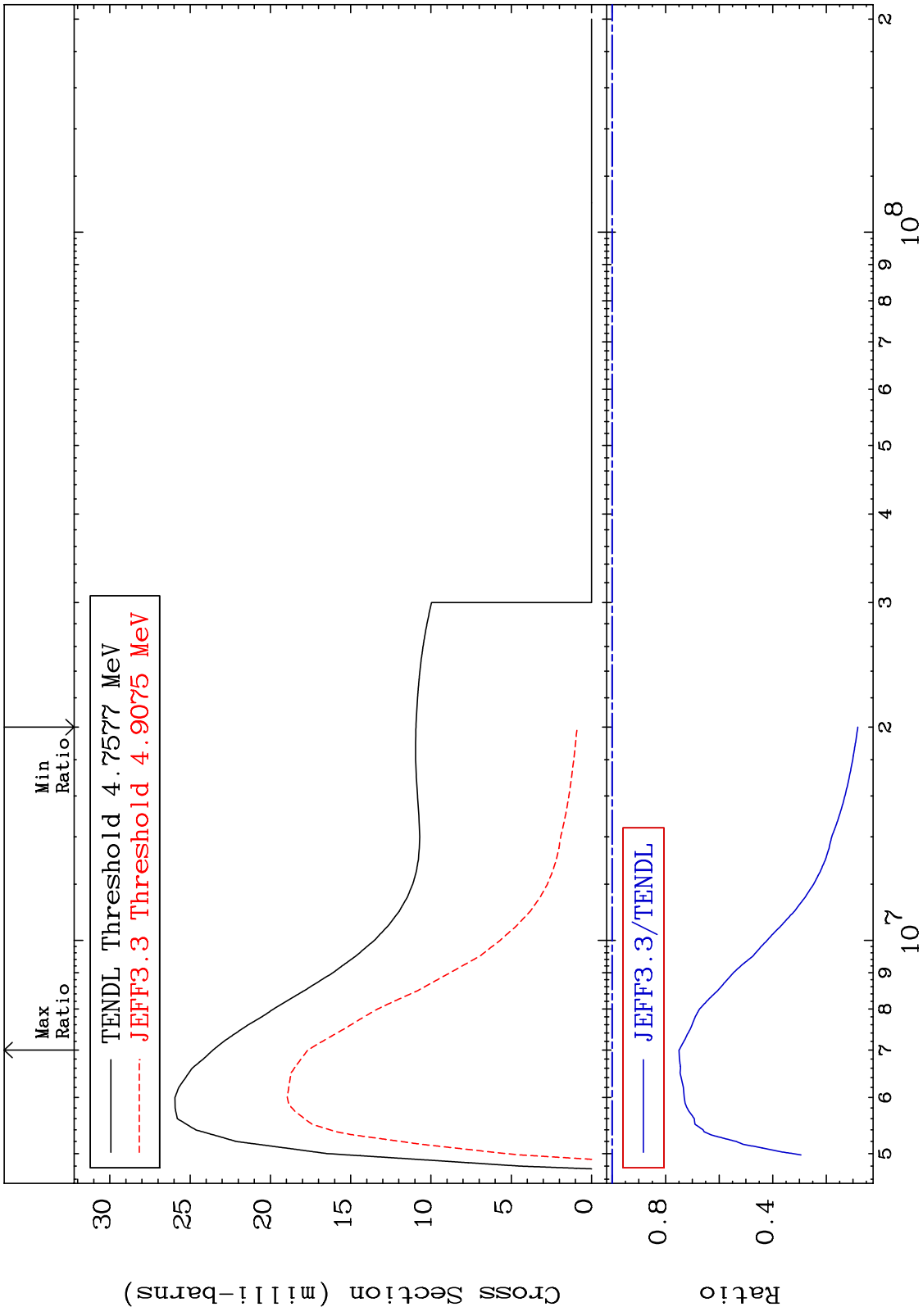
MAT 1725 MT= 64 (n,n') Level Cross Section 17-CI-35
 -73.59 To 3778. %



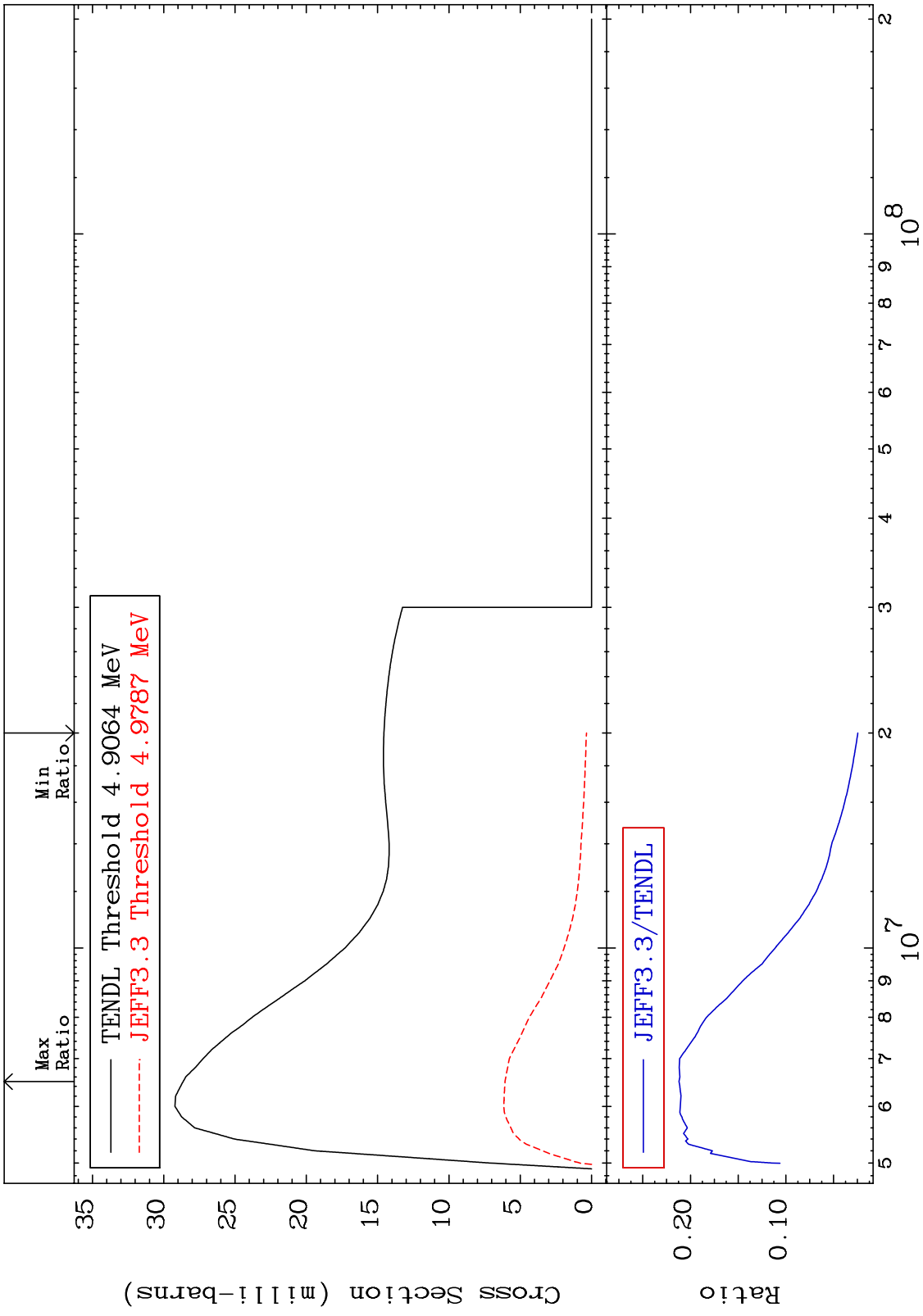
MAT 1725 MT= 65 (n,n') Level Cross Section 17-Cl-35
 -90.80 To -61.37%



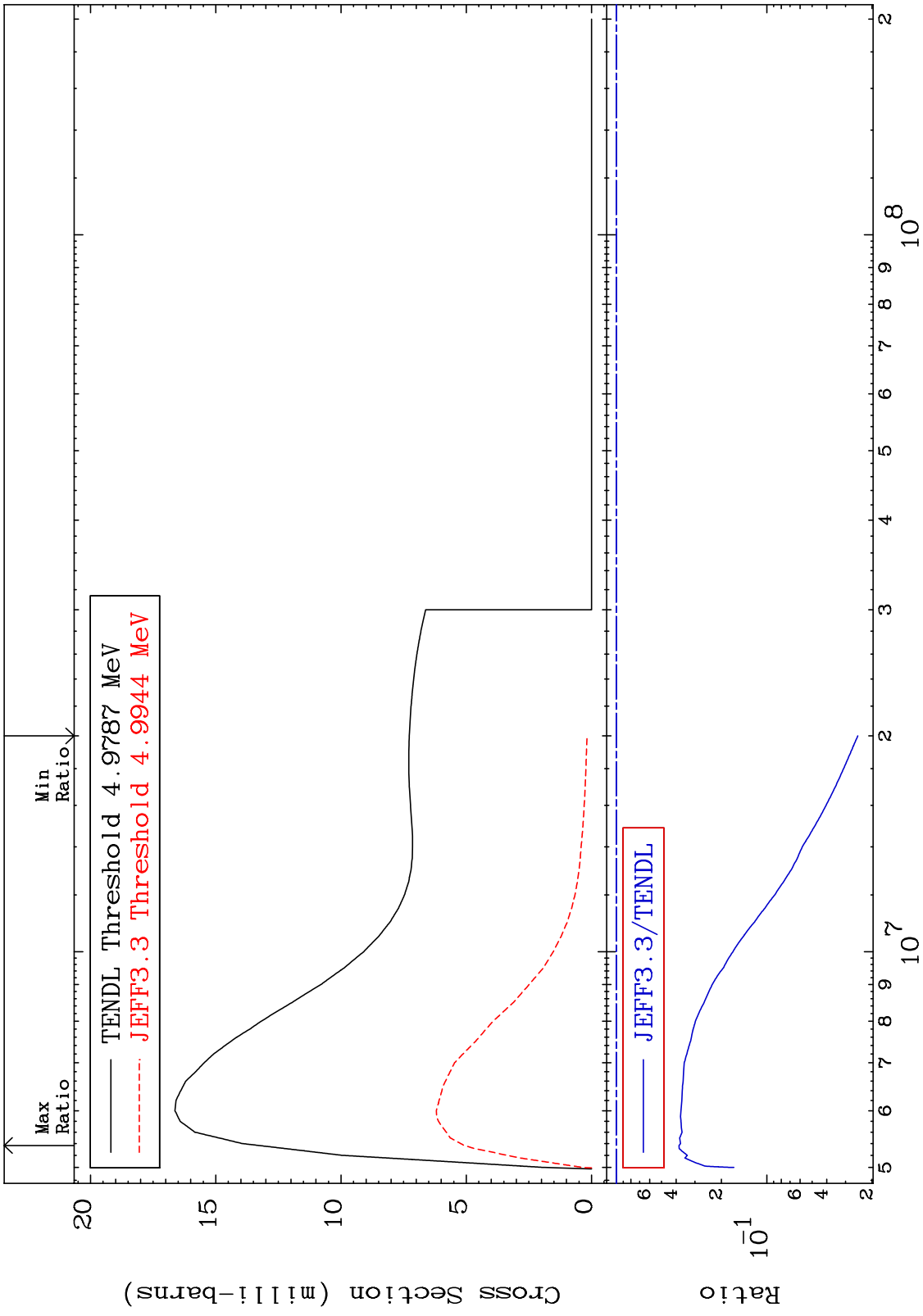
MAT 1725 MT= 66 (n,n') Level Cross Section 17-Cl-35
 -91.81 To -25.03%



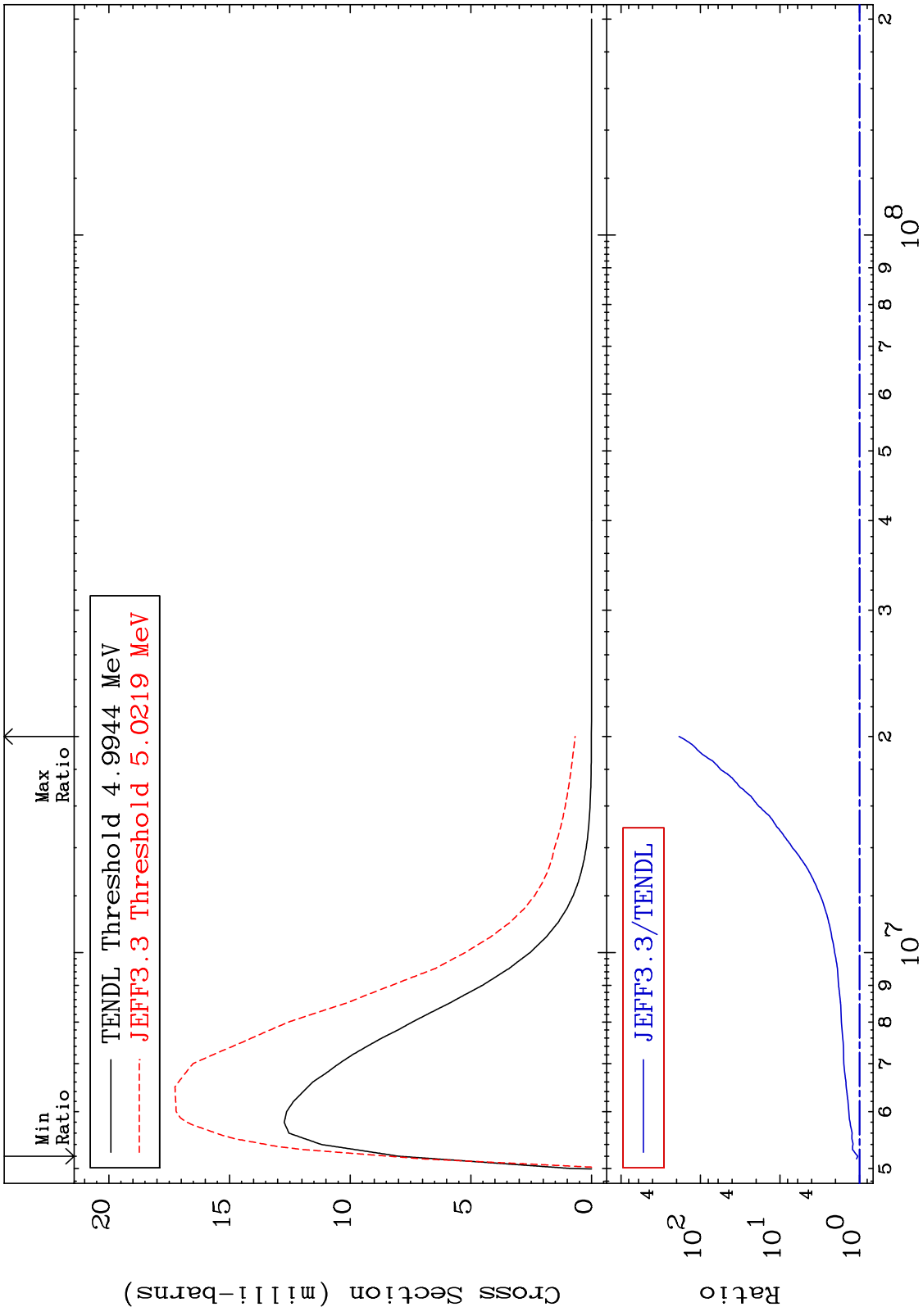
MAT 1725 MT= 67 (n,n') Level Cross Section 17-Cl-35
 -97.54 To -78.80%



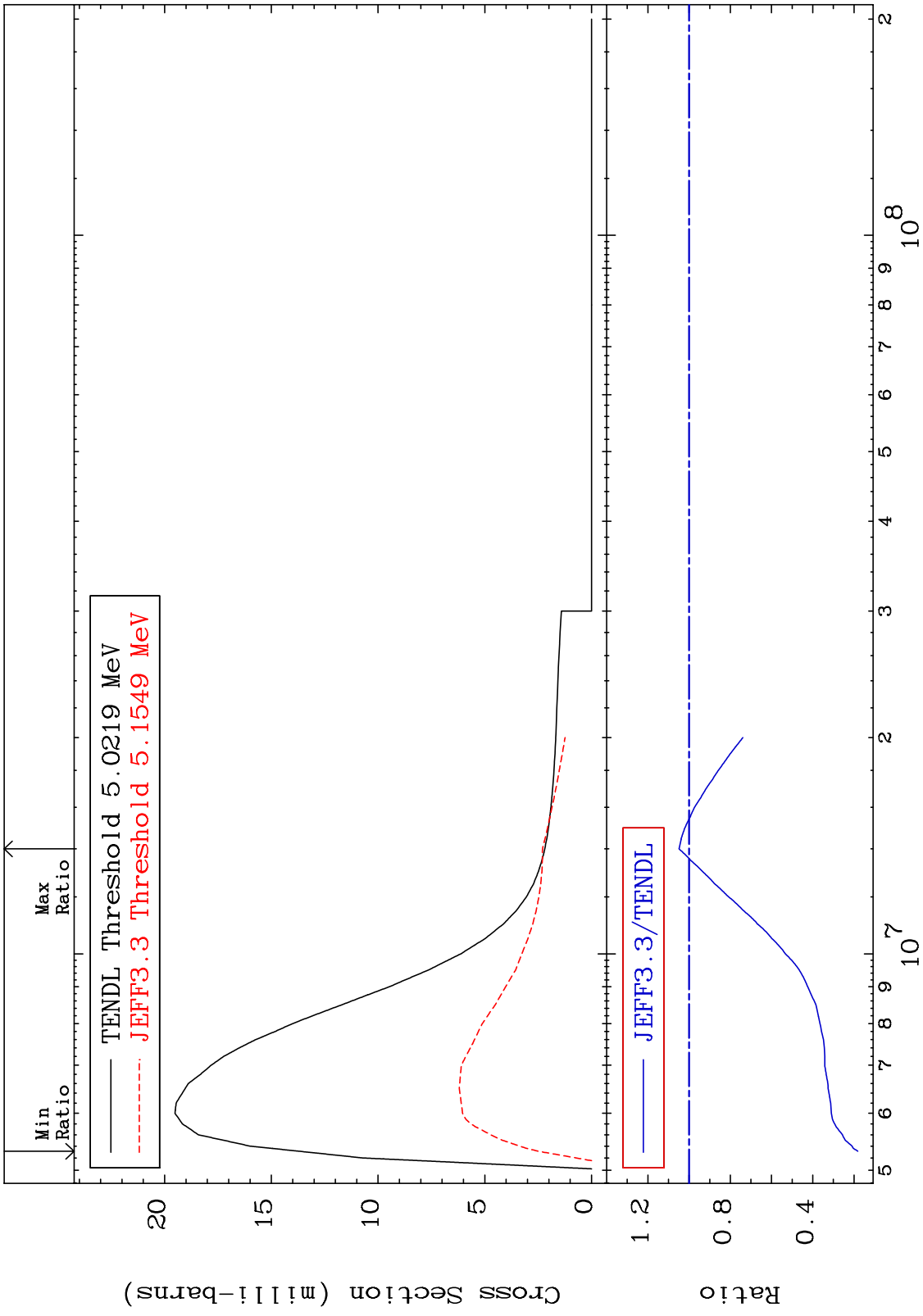
MAT 1725 MT= 68 (n,n') Level Cross Section 17-Cl-35
 -97.52 To -61.71%



MAT 1725 MT= 69 (n,n') Level Cross Section 17-Cl-35
 4.859 To 9999. %



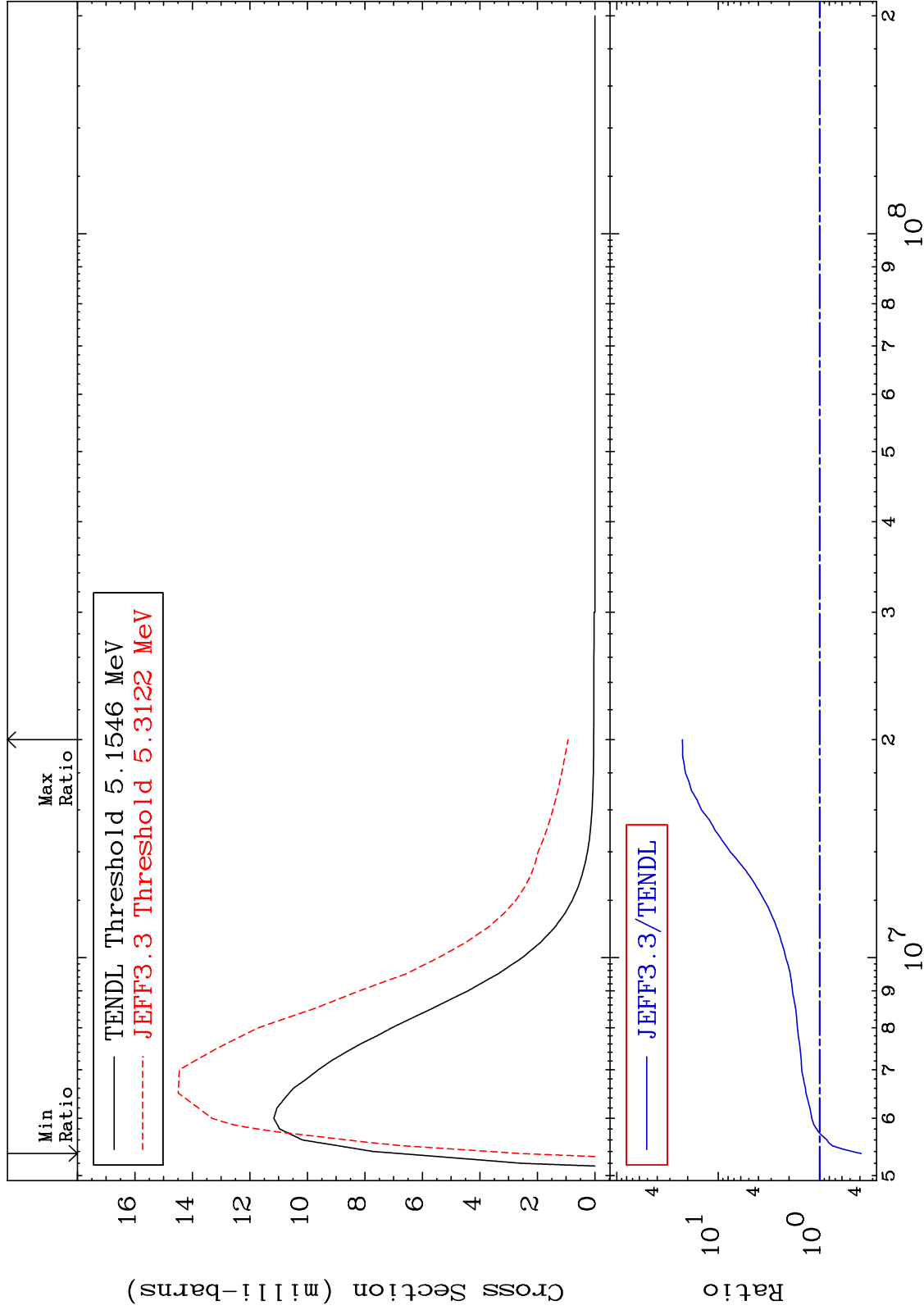
MAT 1725 MT= 70 (n,n') Level Cross Section 17-Cl-35
 -81.84 To 4.863 %



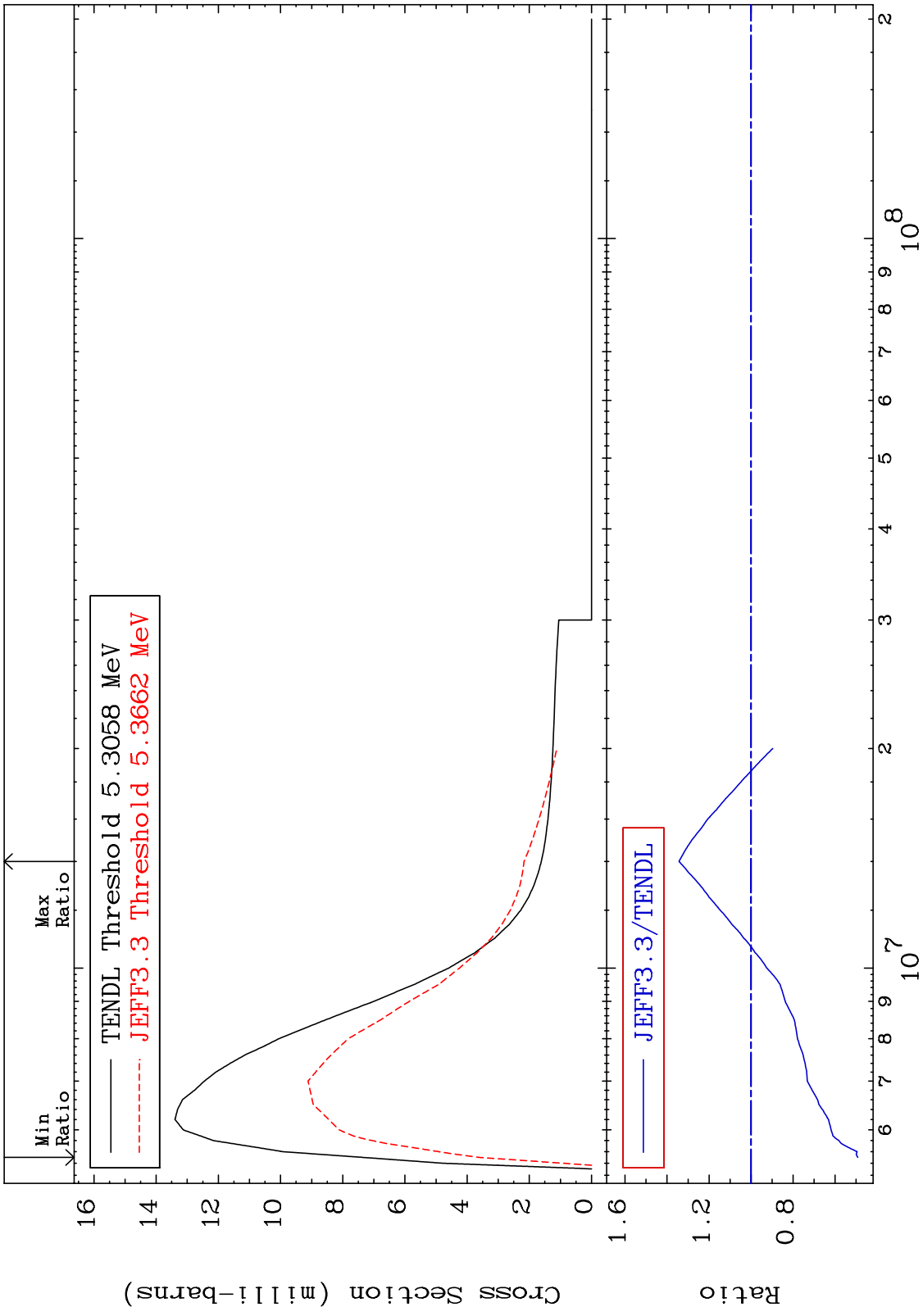
MAT 1725

MT= 71 (n,n') Level
Cross Section

17-CI-35
-61.22 To 2155. %



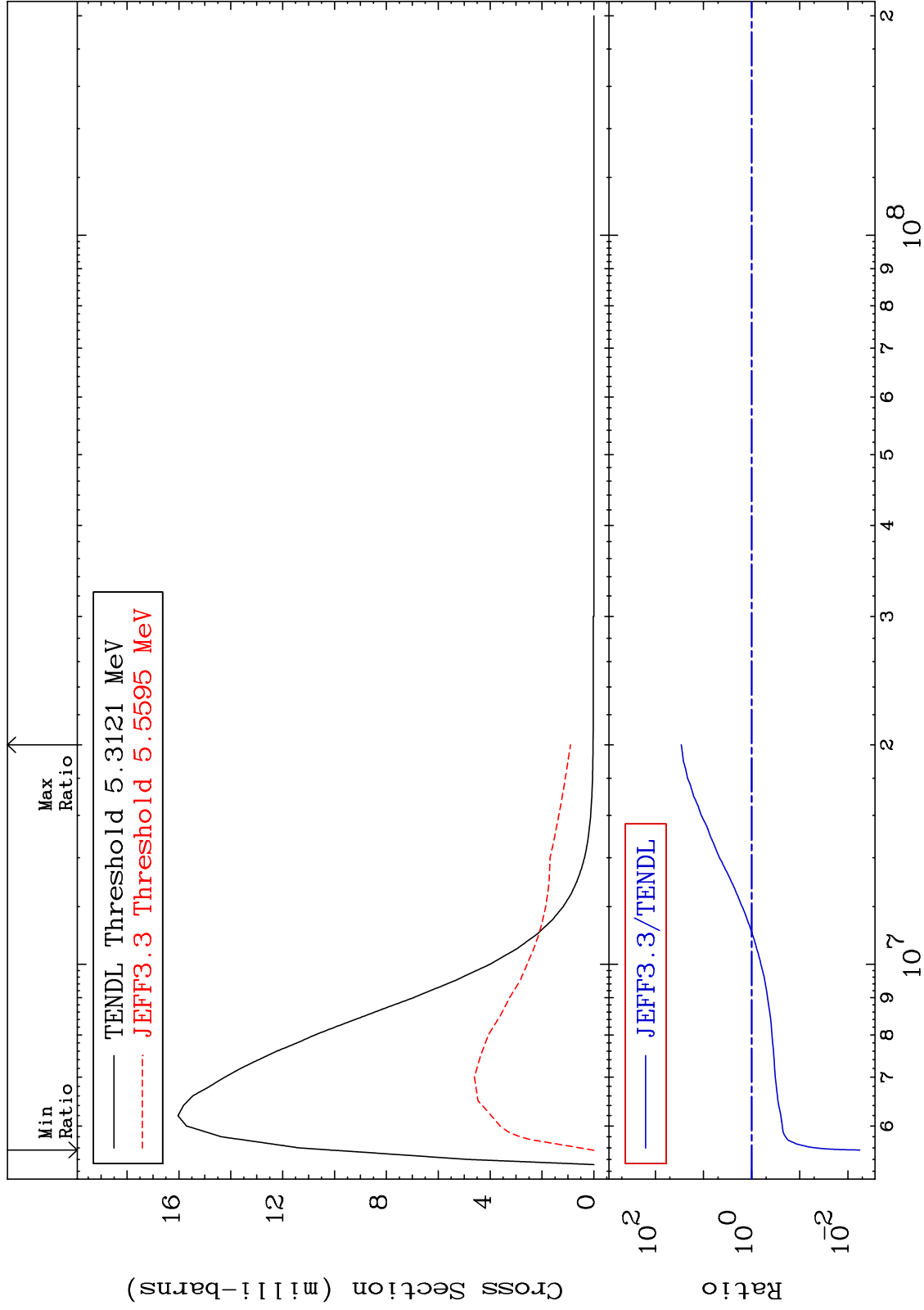
MAT 1725 MT= 72 (n,n') Level Cross Section 17-Cl-35
 -50.90 To 34.29 %



MAT 1725

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

17-Cl-35
-99.44 To 2800. %

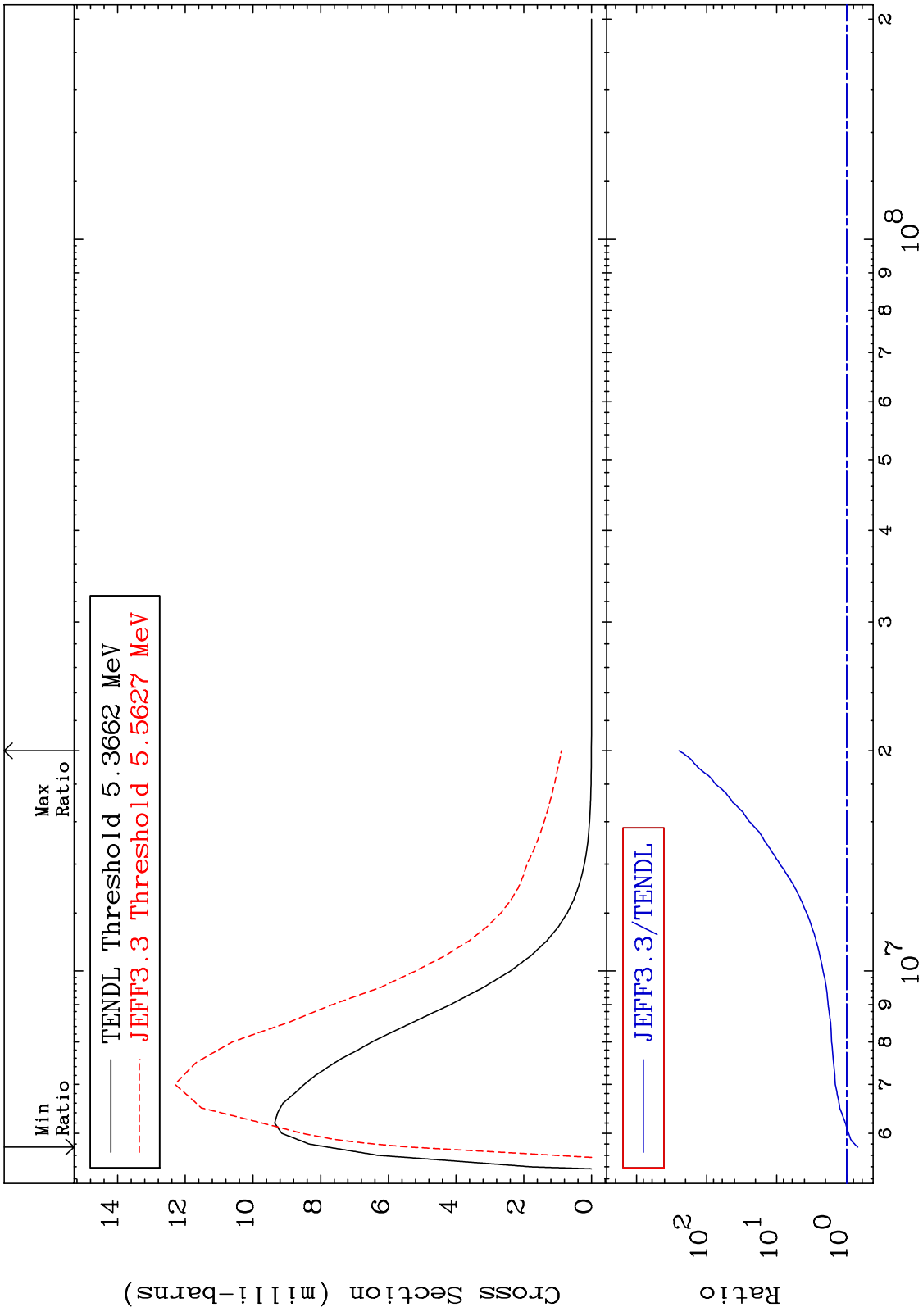


30

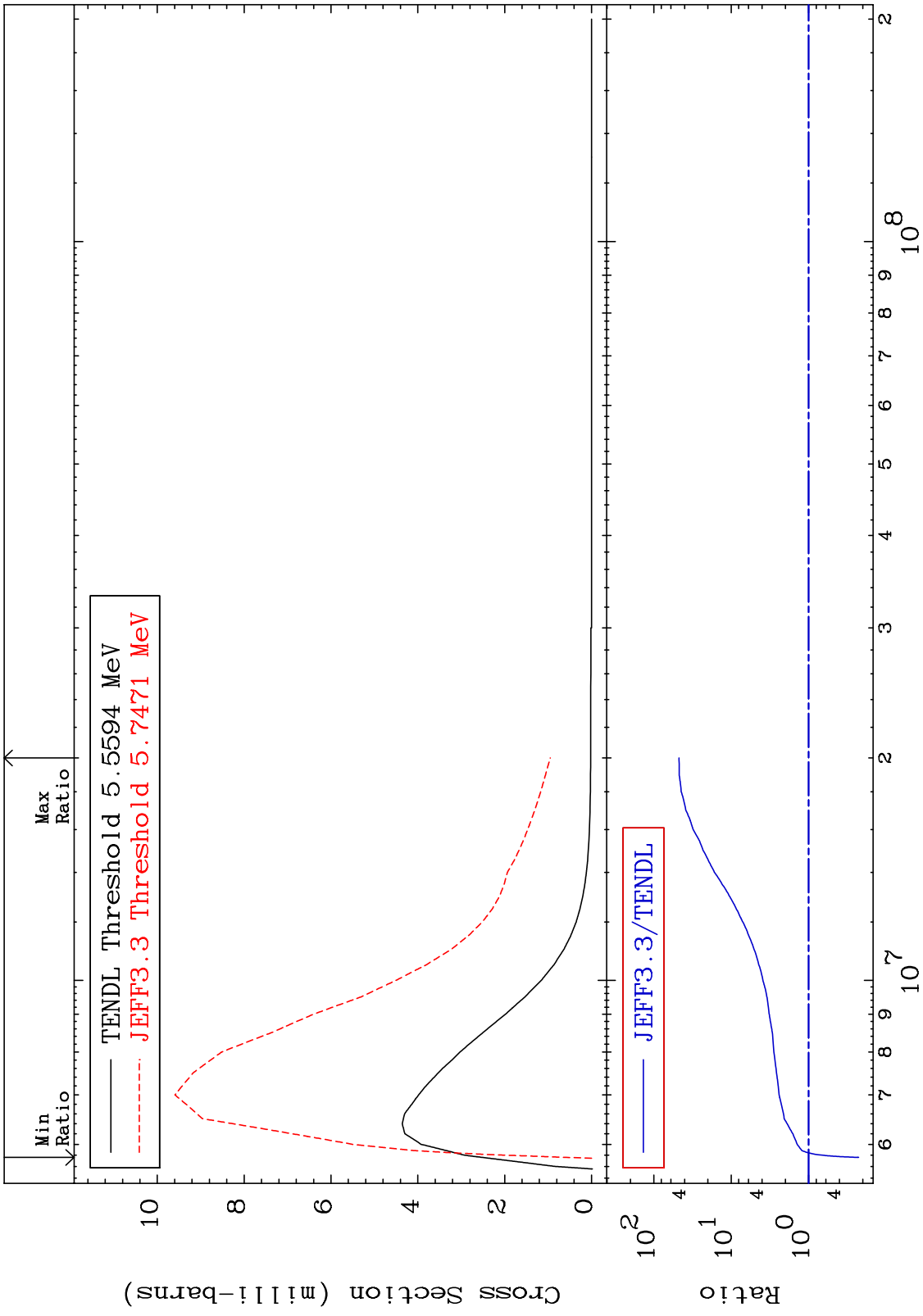
Incident Energy (eV)

17-Cl-35

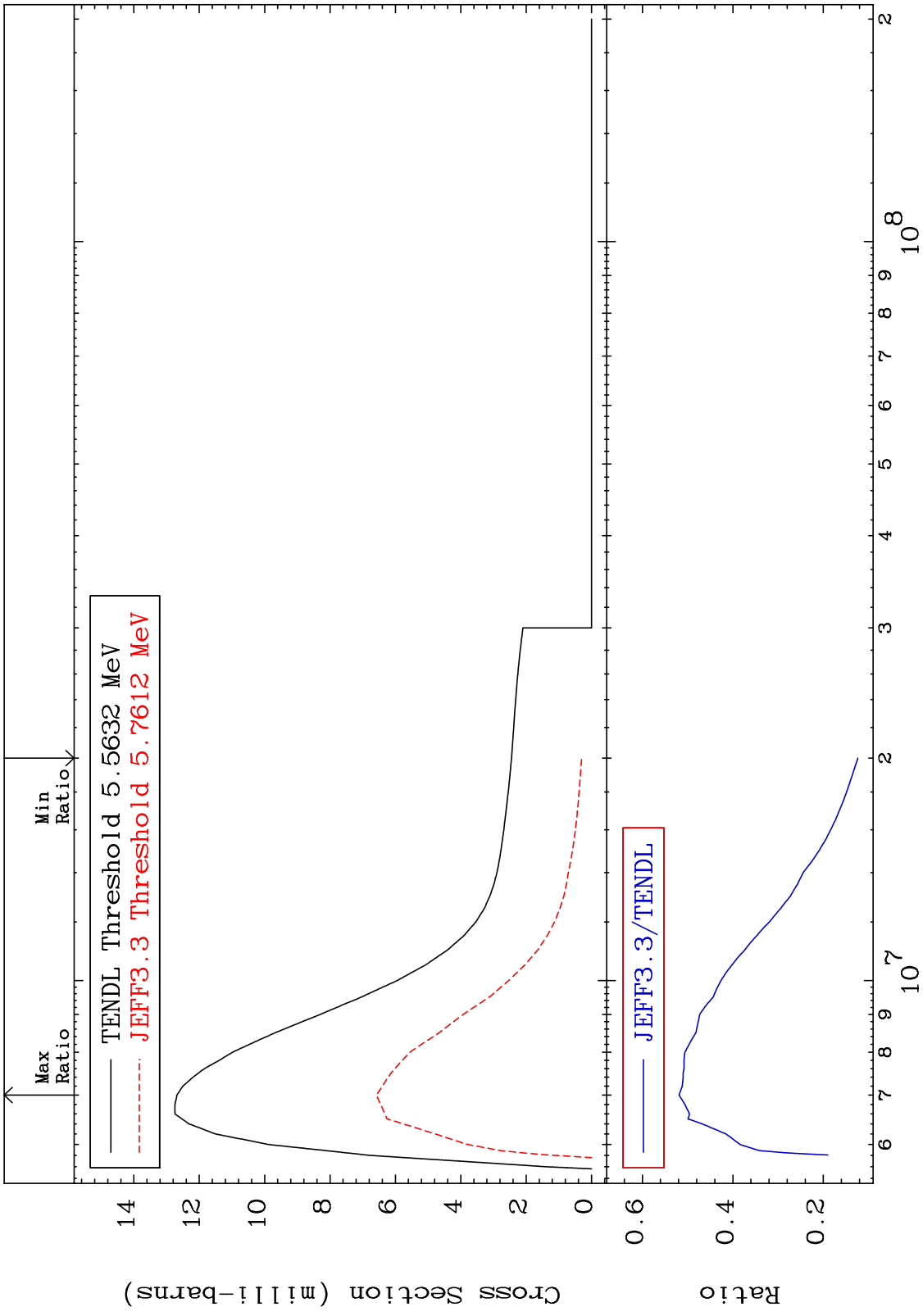
MAT 1725 MT= 74 (n,n') Level Cross Section 17-Cl-35
 -30.89 To 9999. %



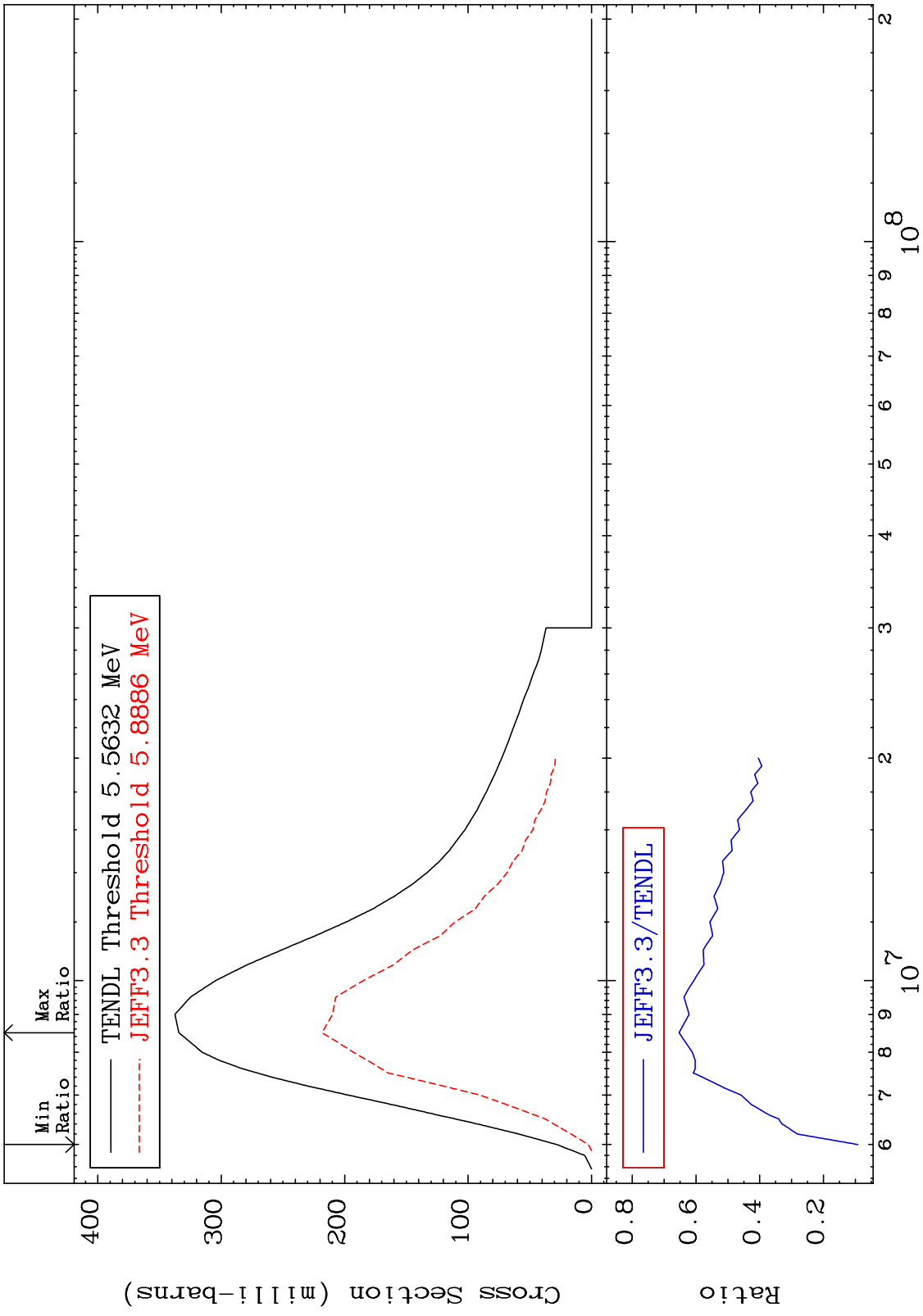
MAT 1725 MT= 75 (n,n') Level Cross Section 17-Cl-35
 -76.83 To 4615. %



MAT 1725 MT= 76 (n,n') Level Cross Section 17-Cl-35
 -87.62 To -48.10%



MAT 1725 (n,n') Continuum Cross Section 17-Cl-35
 -90.78 To -34.69%



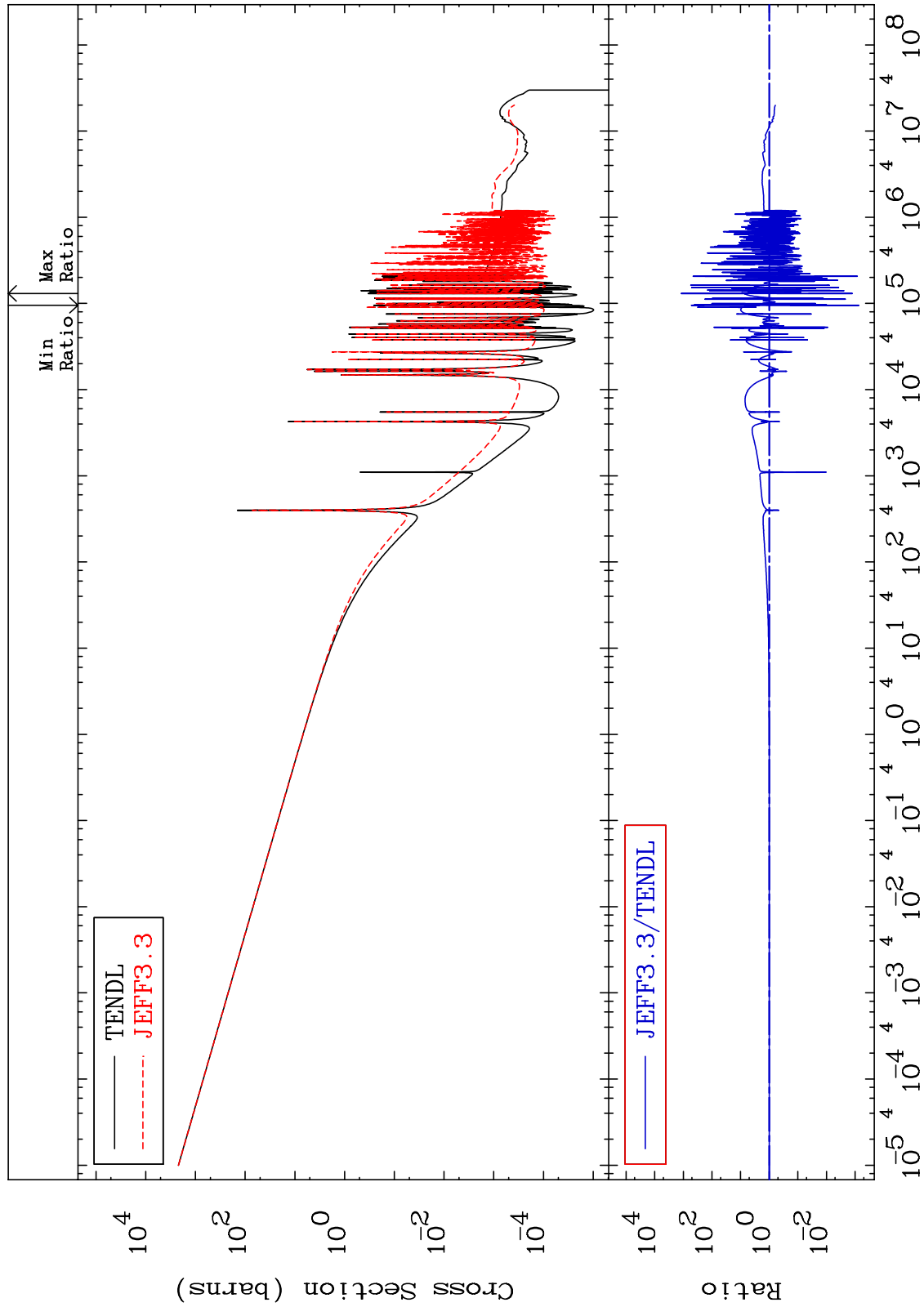
MAT 1725

(n, γ)

17-Cl-35

Cross Section

-99.93 To 9999. %



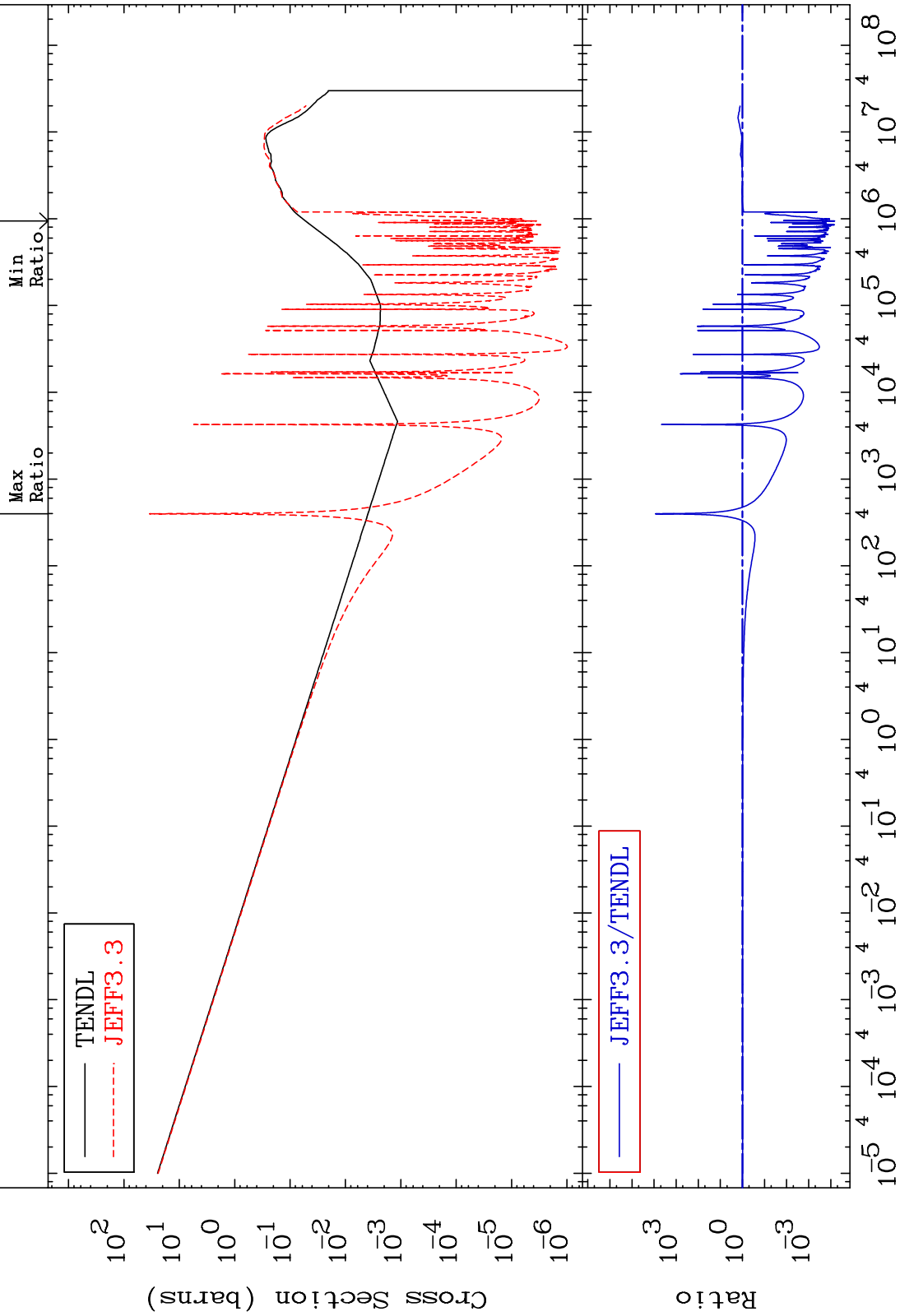
MAT 1725

(n,p)

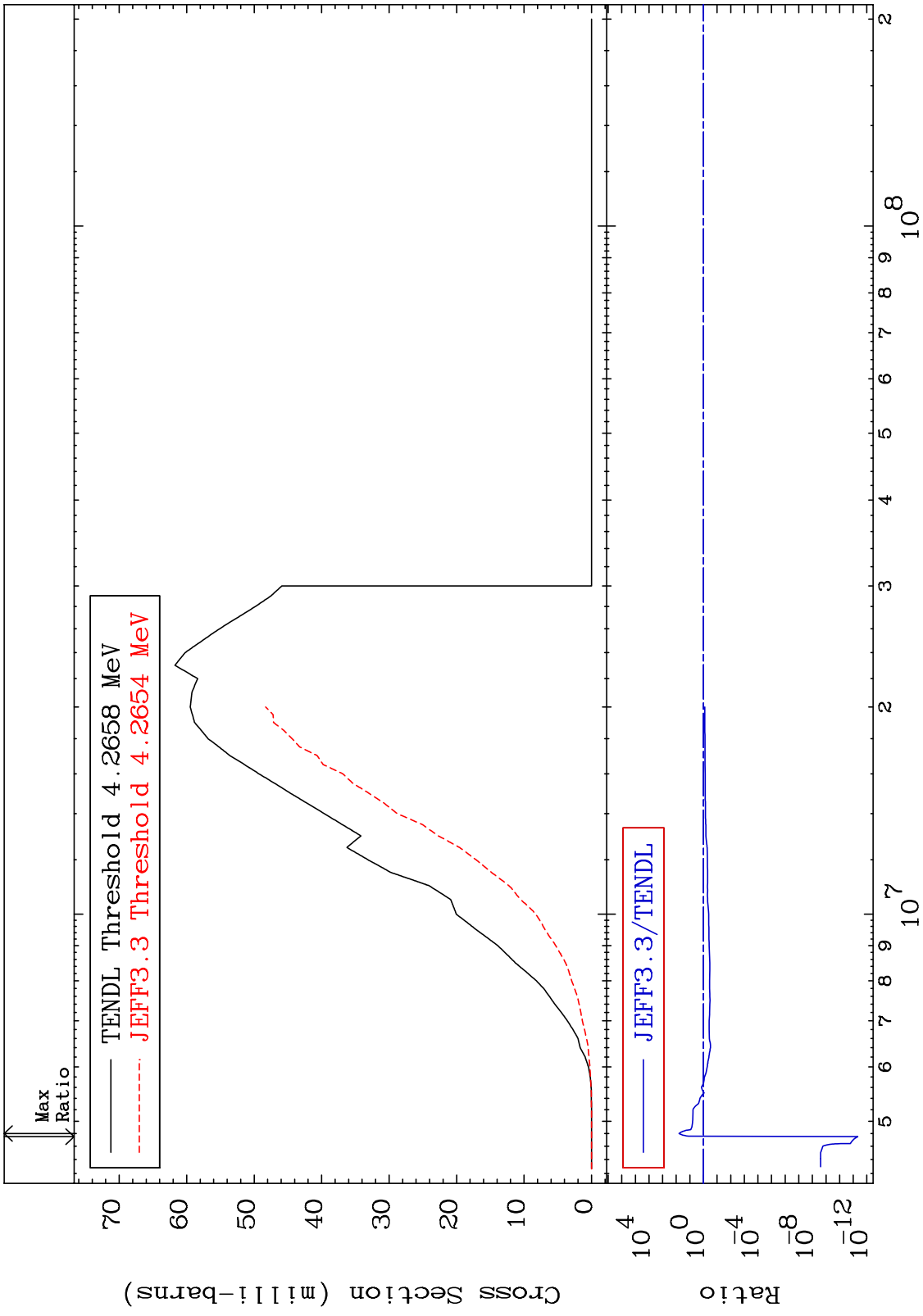
17-Cl-35

Cross Section

-99.99 To 9999. %

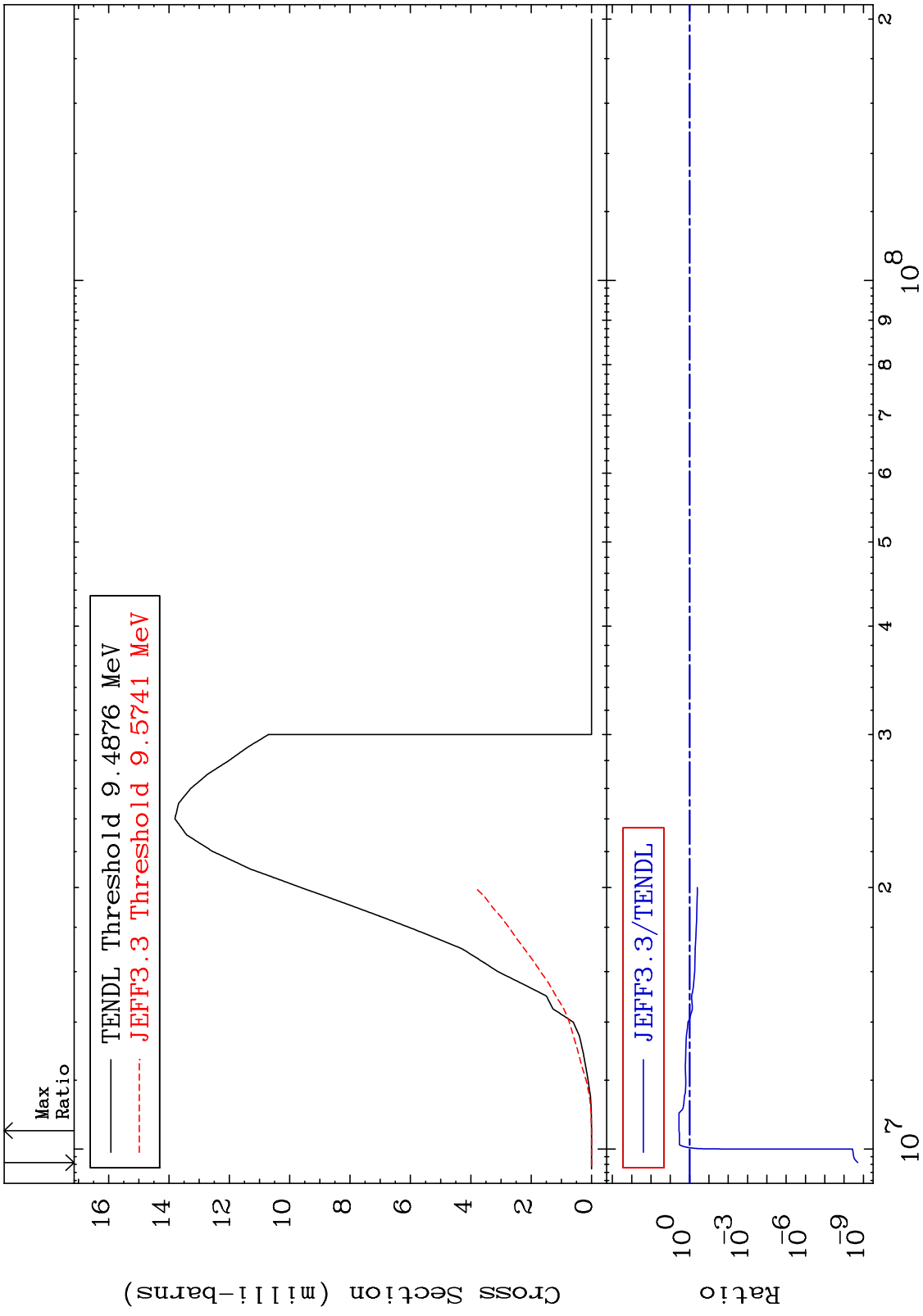


MAT 1725 (n,d) 17-Cl-35
 Cross Section -100.0 To 6120. %



37 17-Cl-35 Incident Energy (eV)

MAT 1725 (n,t) 17-Cl-35
 Cross Section -100.0 To 252.9 %



38 17-Cl-35 Incident Energy (eV)

MAT 1725

(n, α)

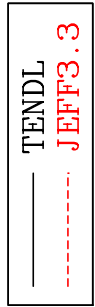
17-Cl-35

Cross Section

-71.78 To 9999. %

Max Ratio

Min Ratio



10⁰
10⁻²
10⁻⁴
10⁻⁶
10⁻⁸
10⁻¹⁰

Cross Section (barns)



10⁴
10²
10⁰

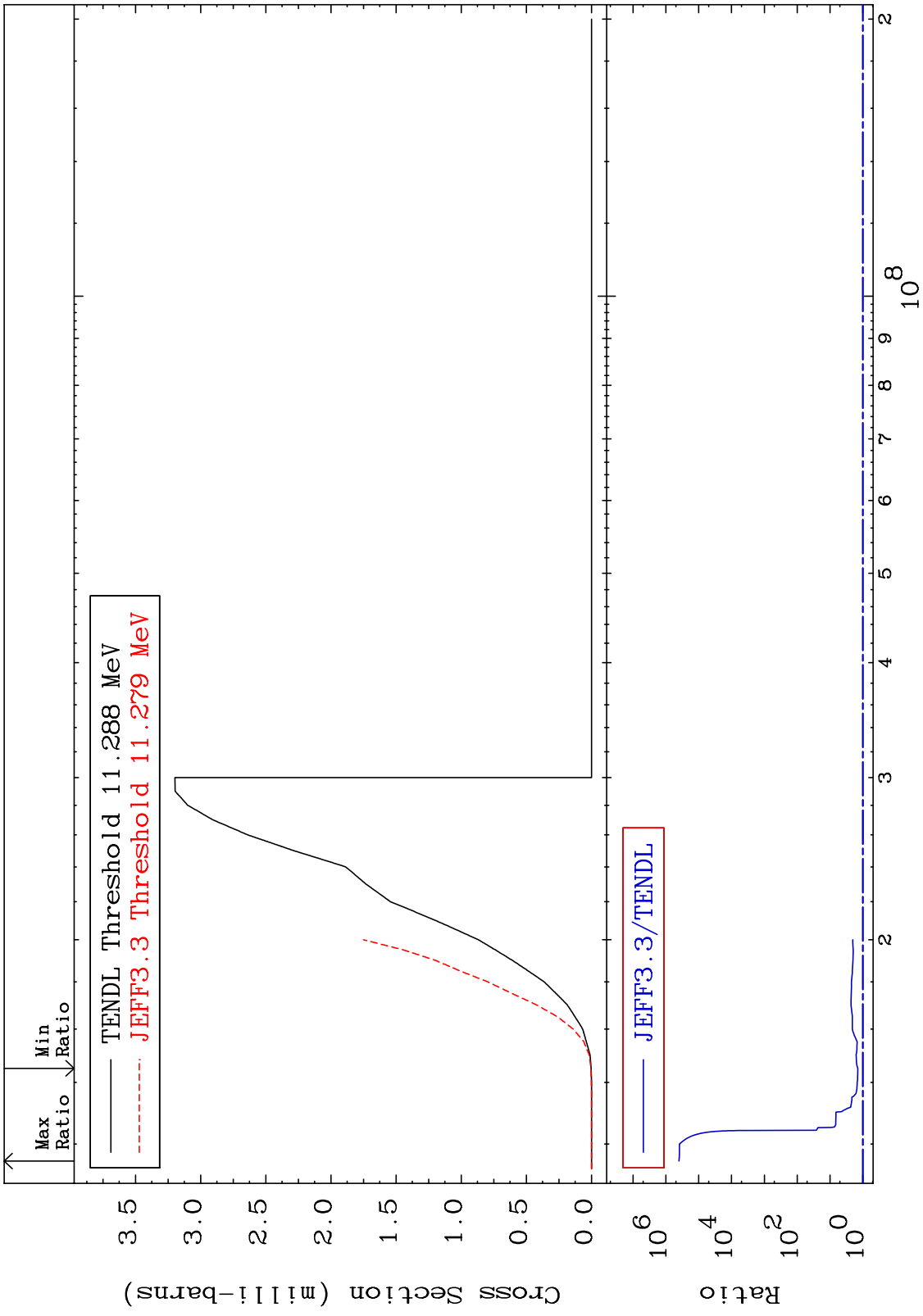
Ratio

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

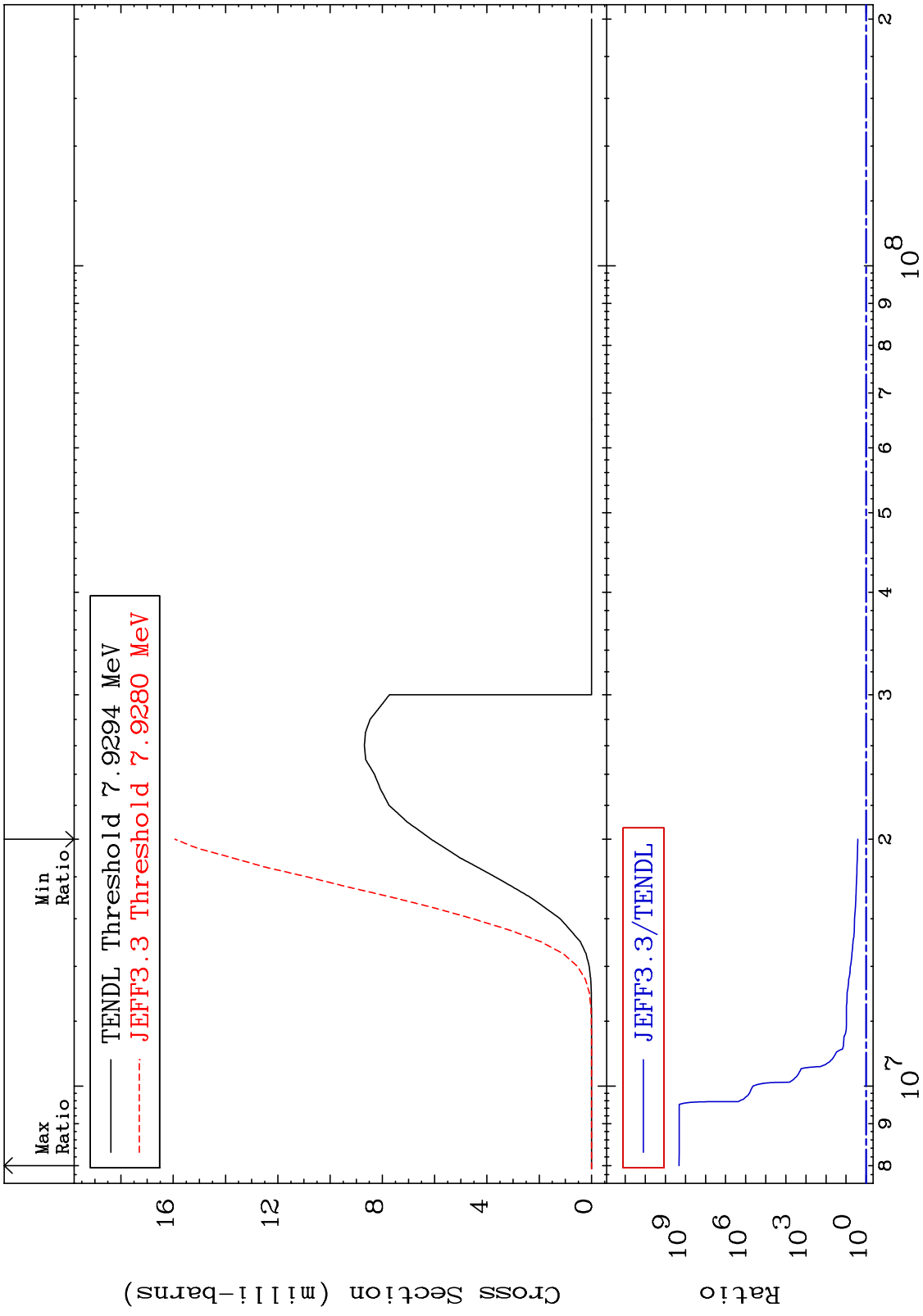
Incident Energy (eV)

17-Cl-35

MAT 1725 (n,2p) Cross Section 17-Cl-35
40.98 To 9999. %



MAT 1725 (n,p) α 17-Cl-35
 Cross Section 159.6 To 9999. %

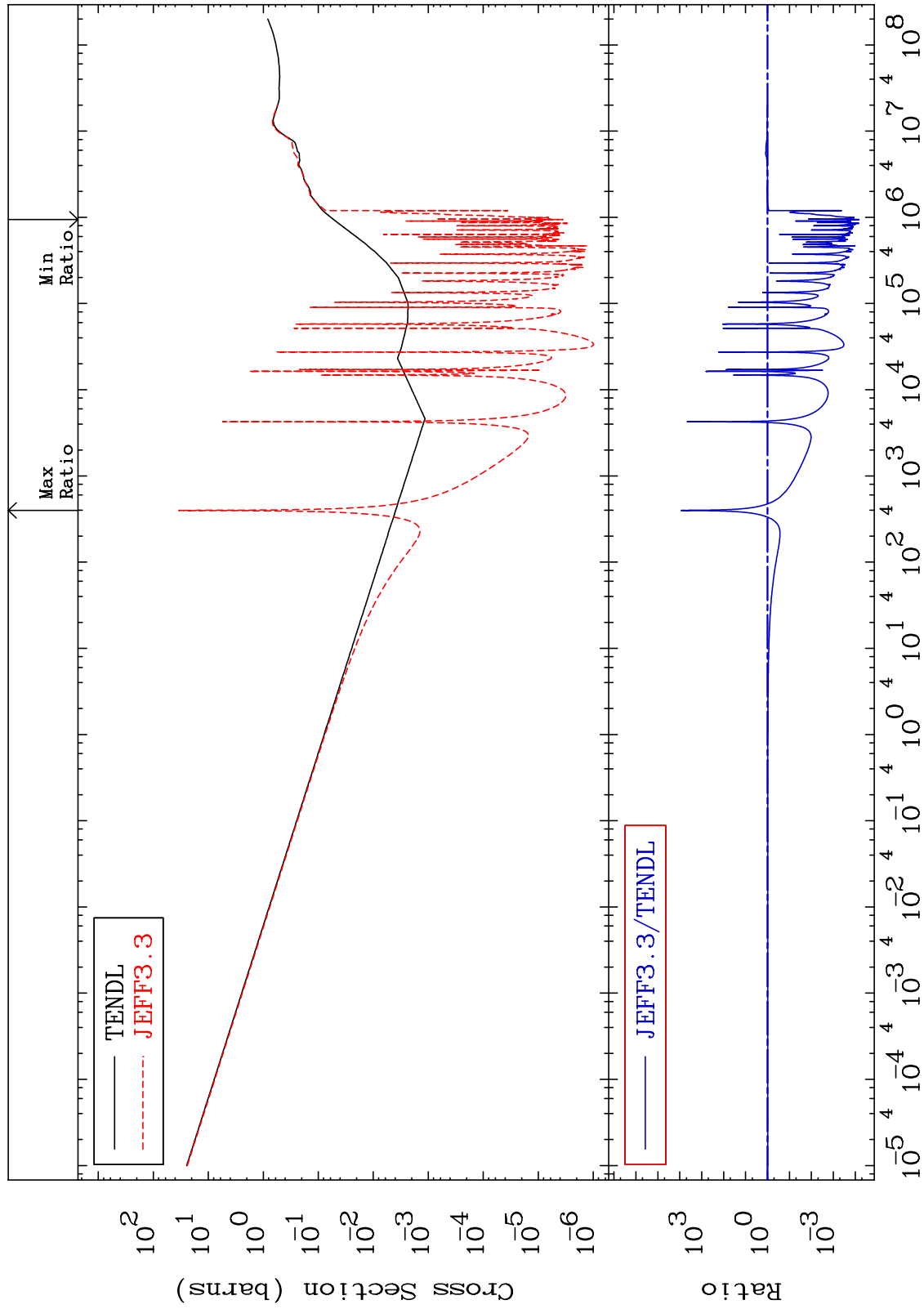


41 Incident Energy (eV) 17-Cl-35

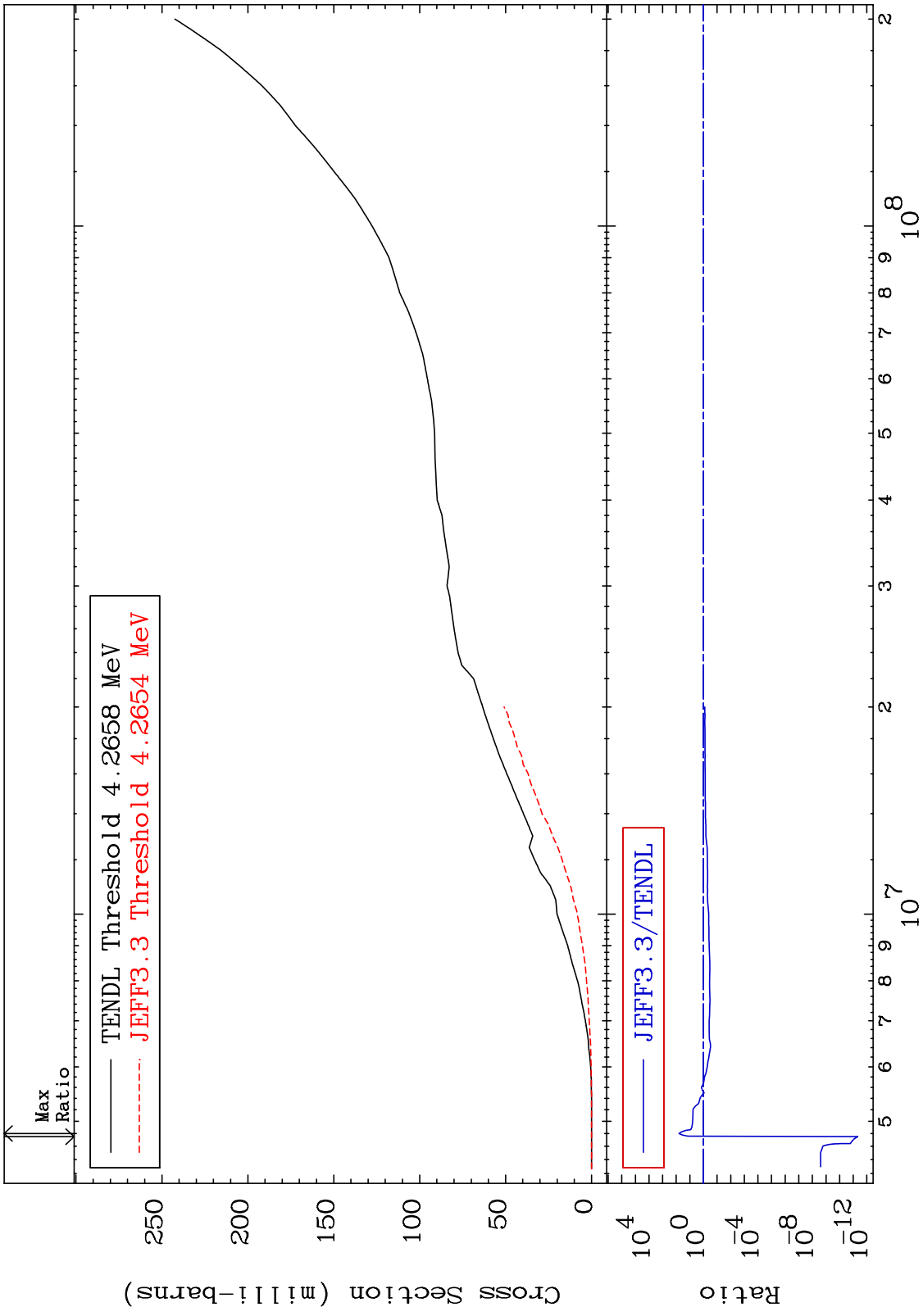
MAT 1725

Hydrogen Production
Cross Section

17-Cl-35
-99.99 To 9999. %

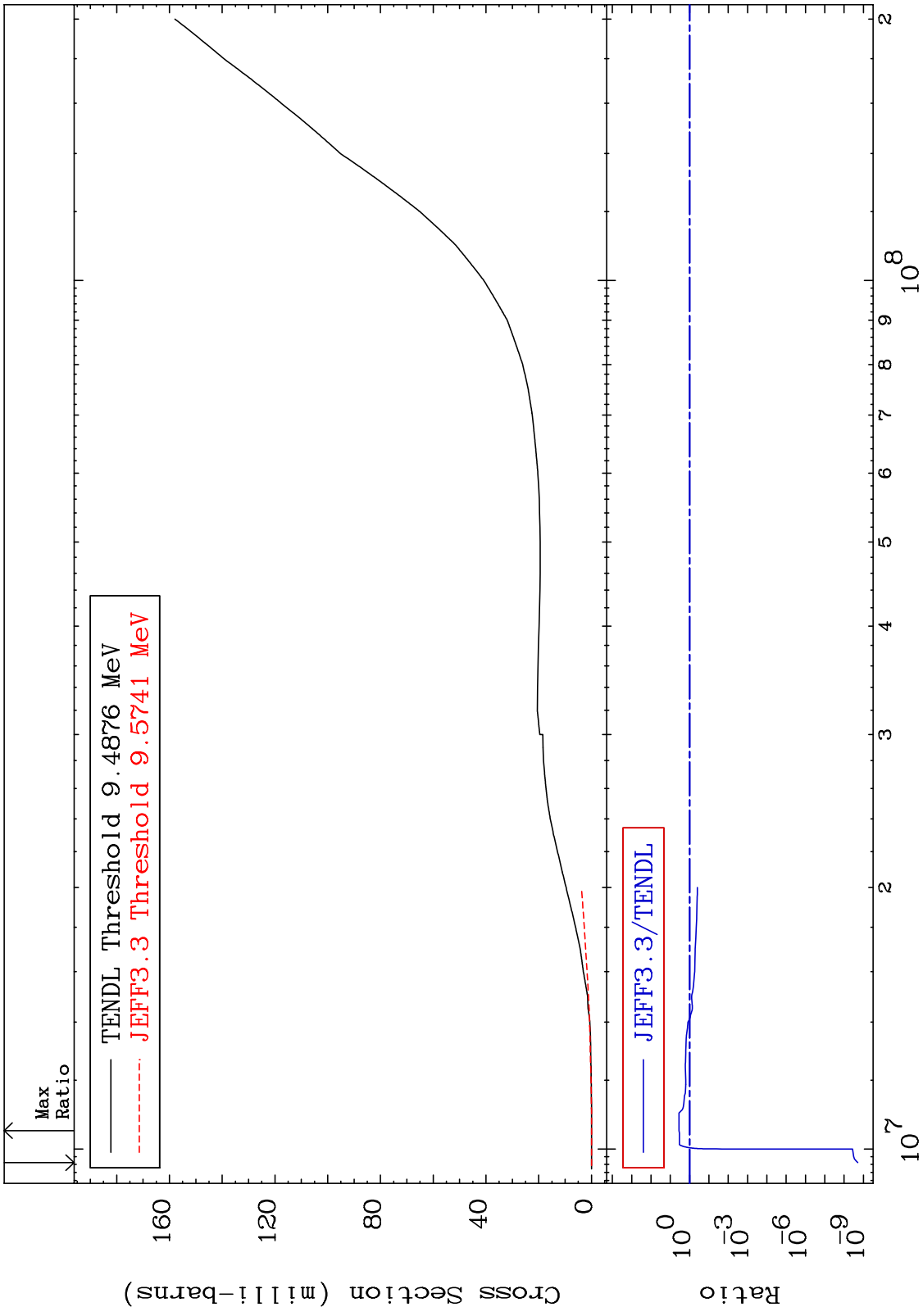


MAT 1725 Deuterium Production Cross Section 17-Cl-35
 -100.0 To 6120. %



43 17-Cl-35 Incident Energy (eV)

MAT 1725 Tritium Production Cross Section 17-Cl-35 -100.0 To 252.9 %

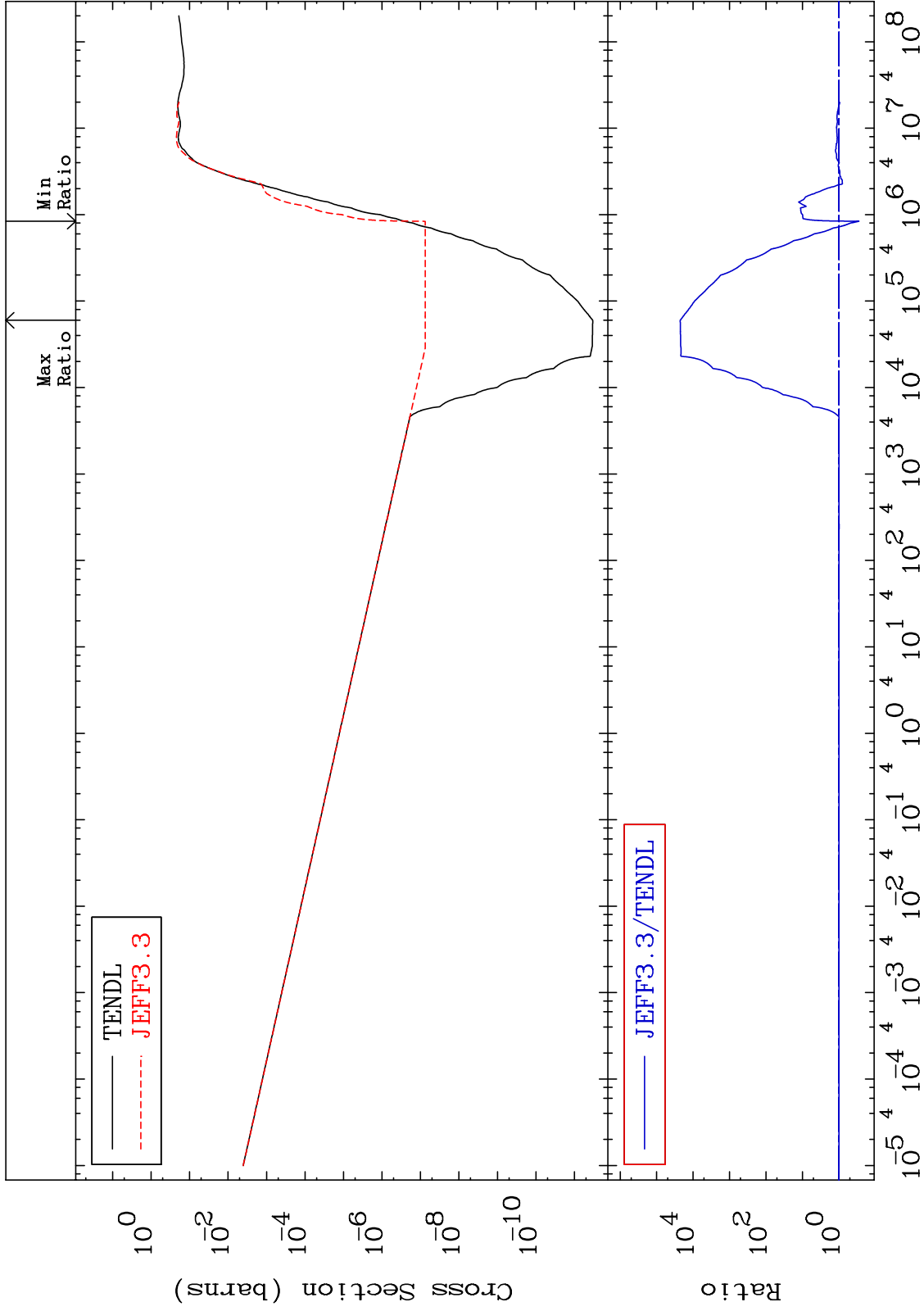


44 17-Cl-35

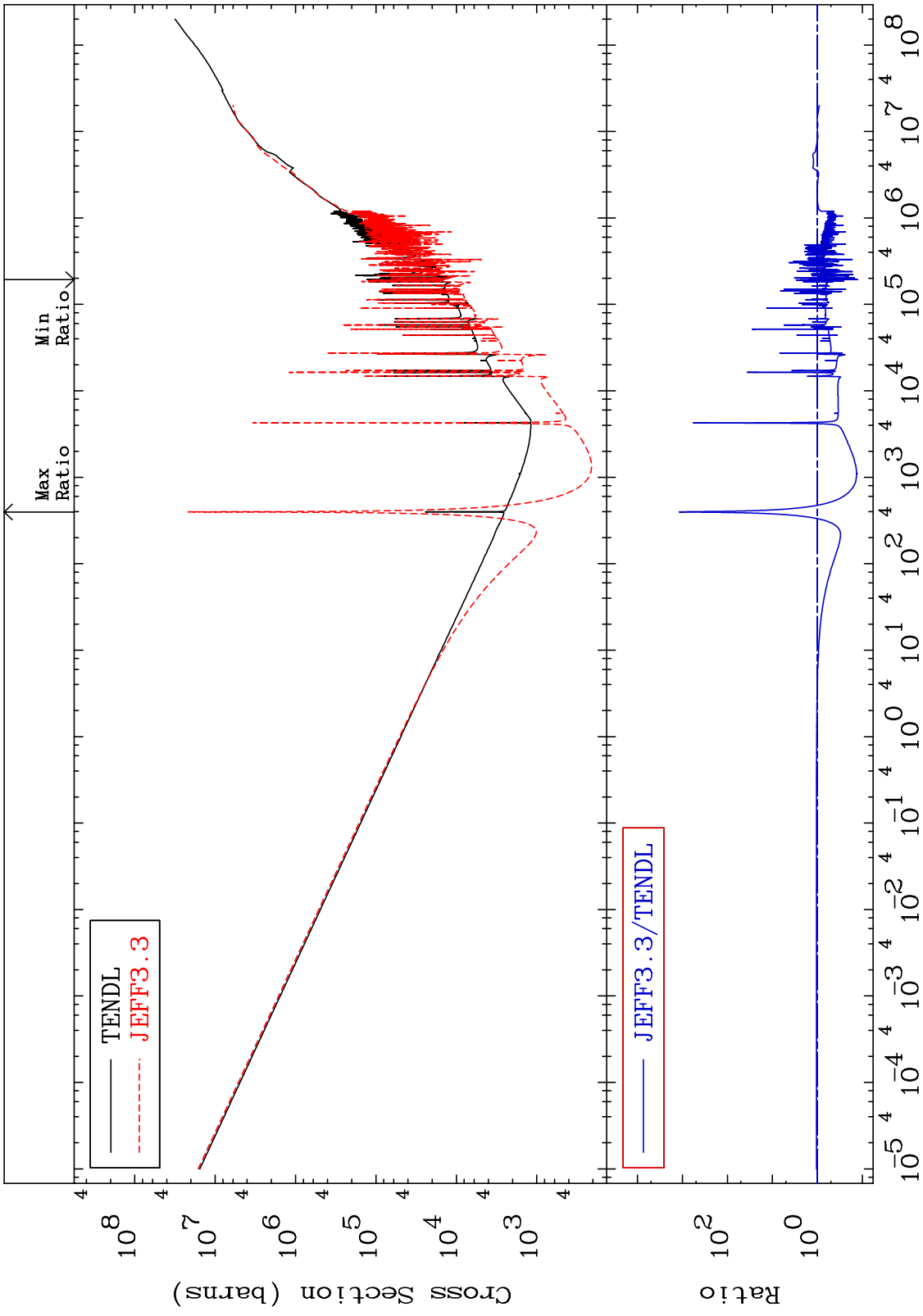
MAT 1725

He-4 Production
Cross Section

17-Cl-35
-71.78 To 9999. %



MAT 1725 17-Cl-35
 Kerma total (eV-barns)
 Cross Section -87.41 To 9999. %

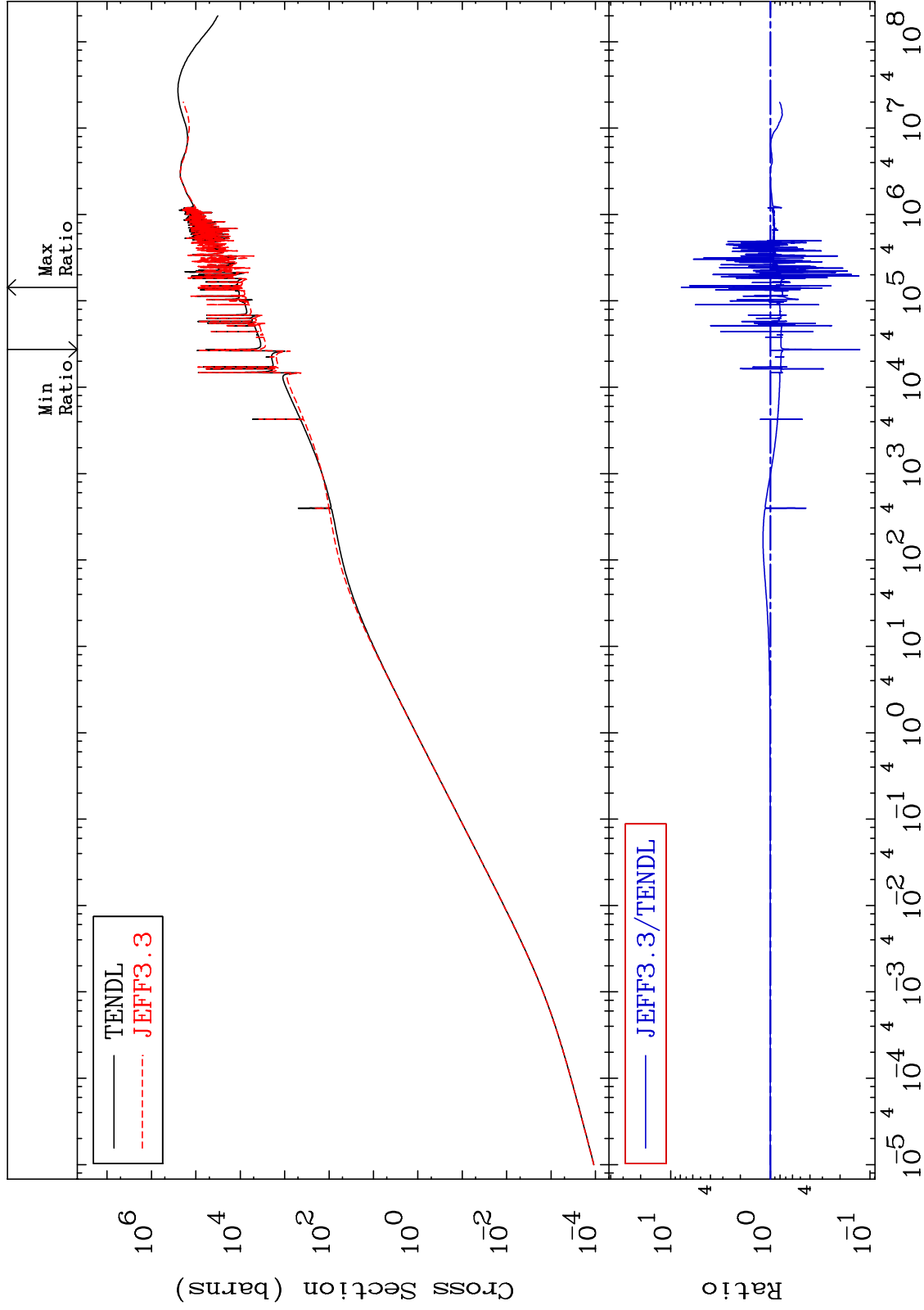


Incident Energy (eV) 17-Cl-35

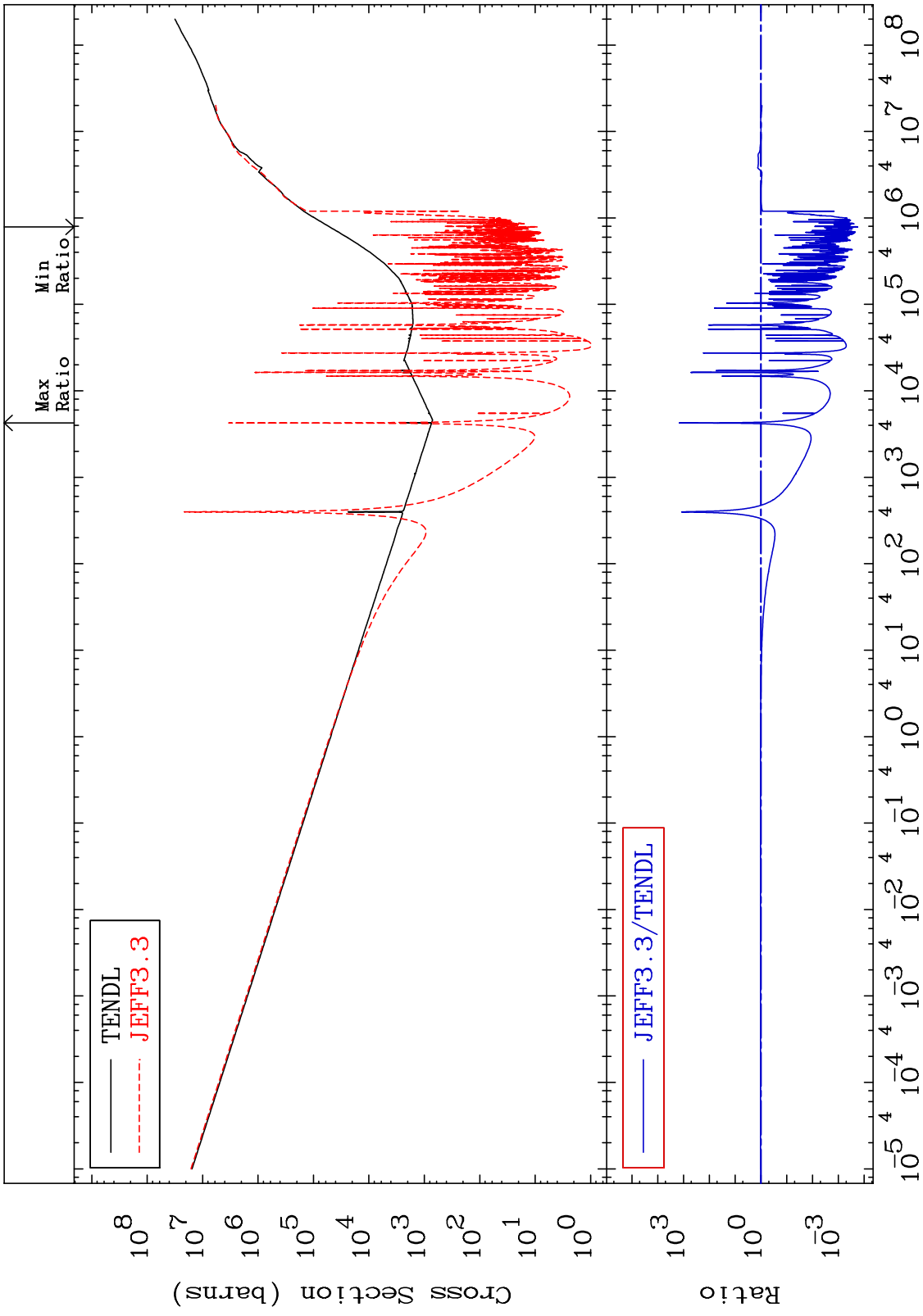
MAT 1725

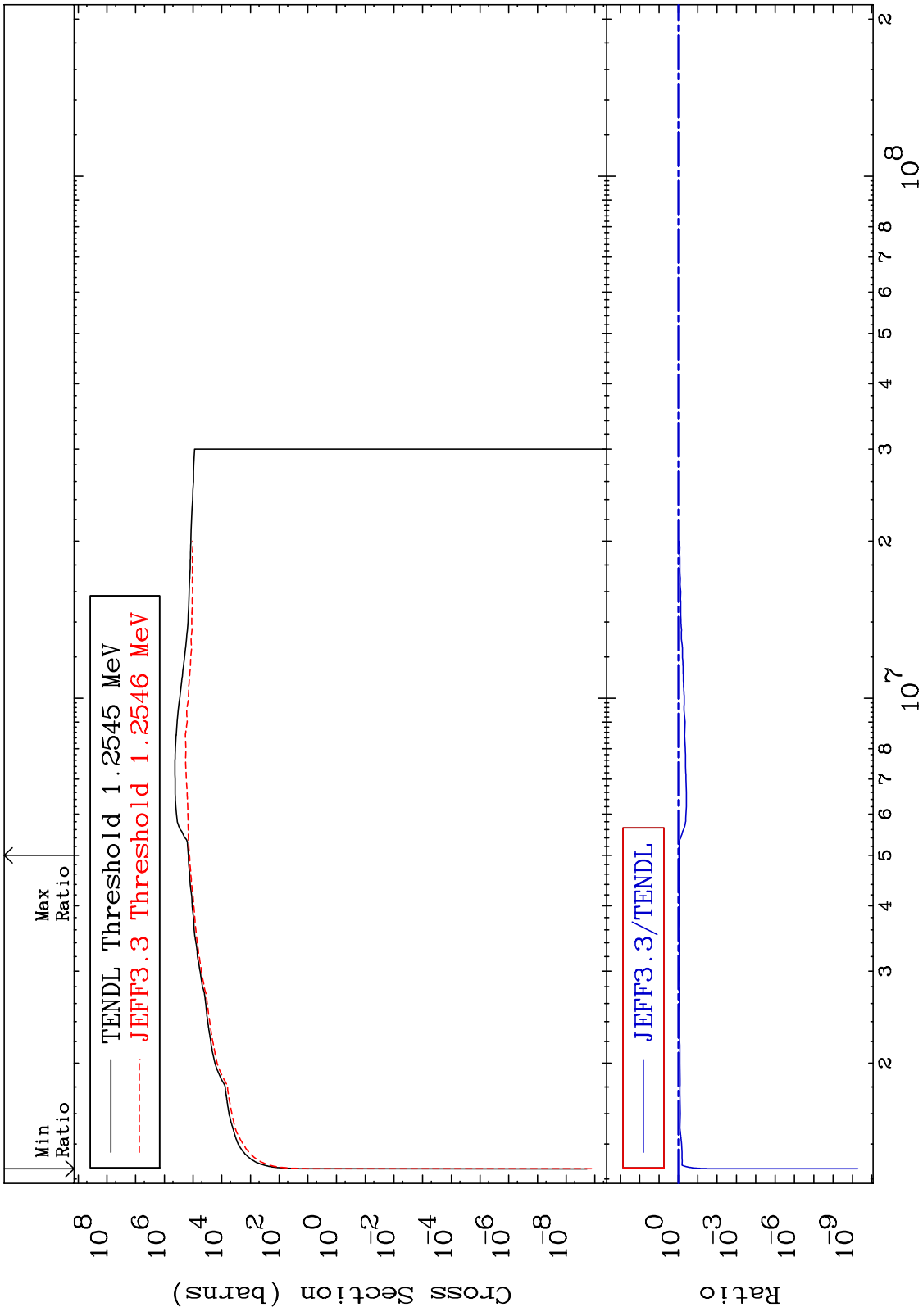
Kerma elastic
Cross Section

17-Cl-35
-87.33 To 683.5 %



MAT 1725 Kerma non-elastic (all but mt2) 17-Cl-35
 Cross Section -99.98 To 9999. %

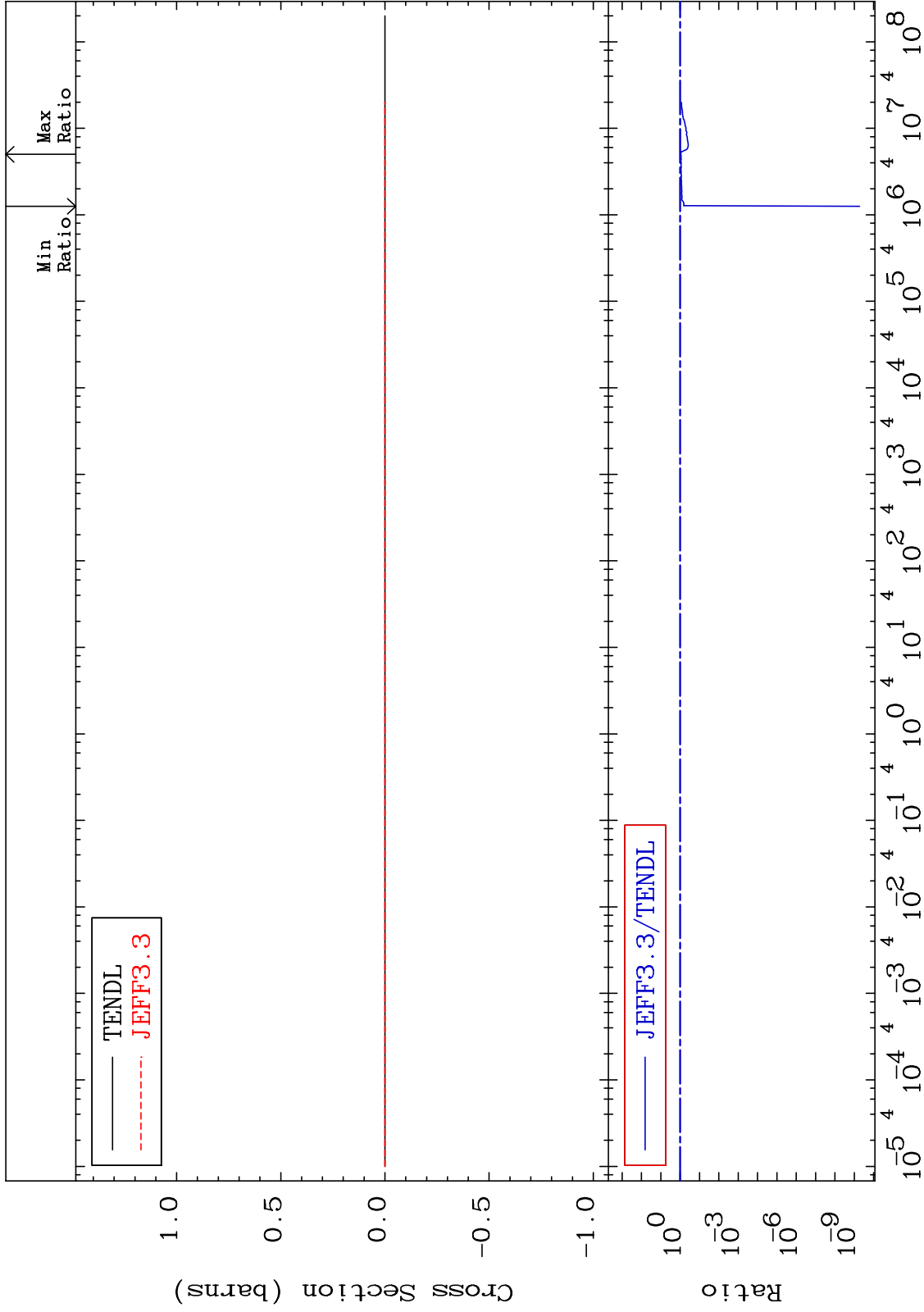




MAT 1725

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

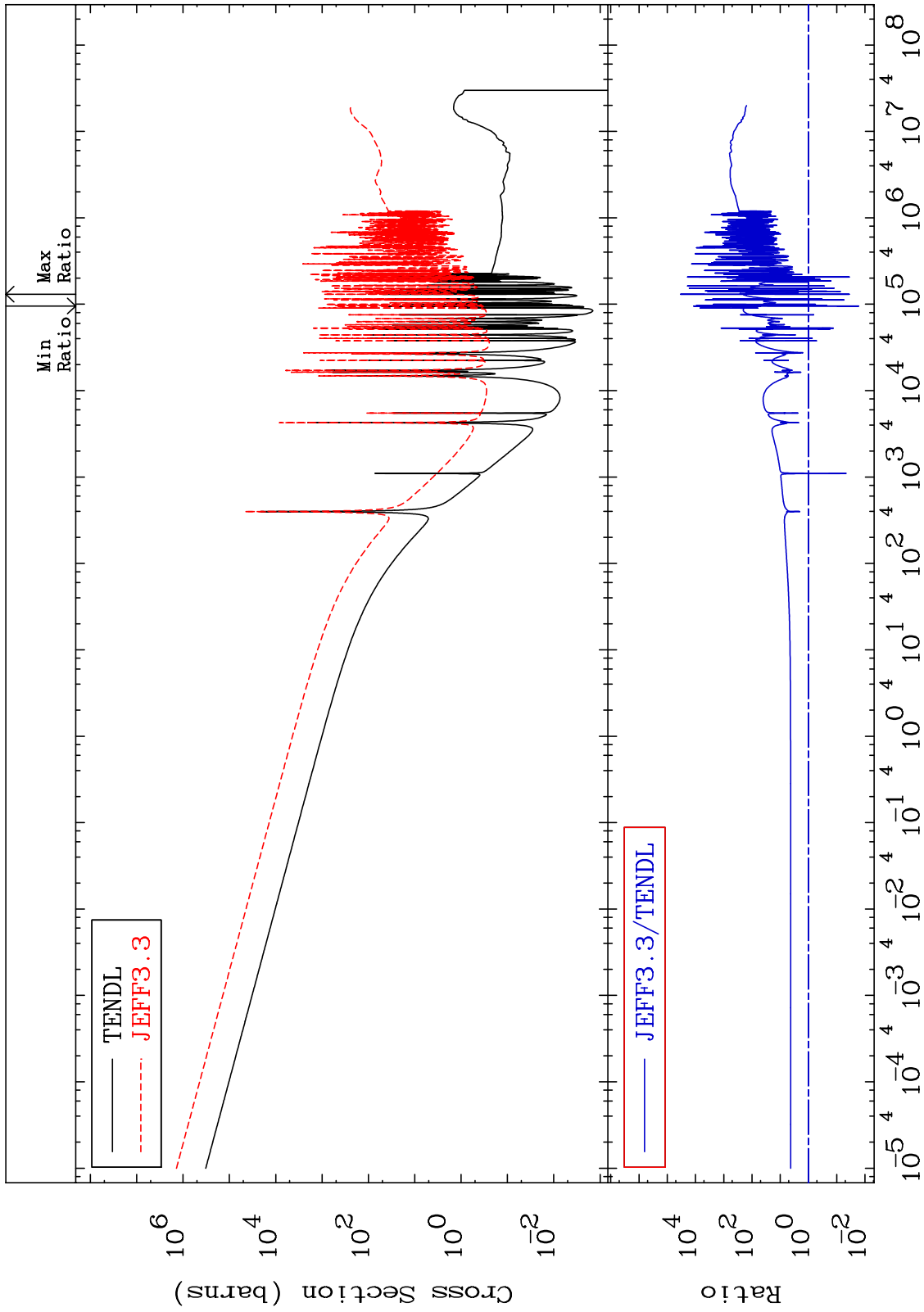
17-CI-35
-100.0 To -7.726%



MAT 1725

Kerma capture (mt102)
Cross Section

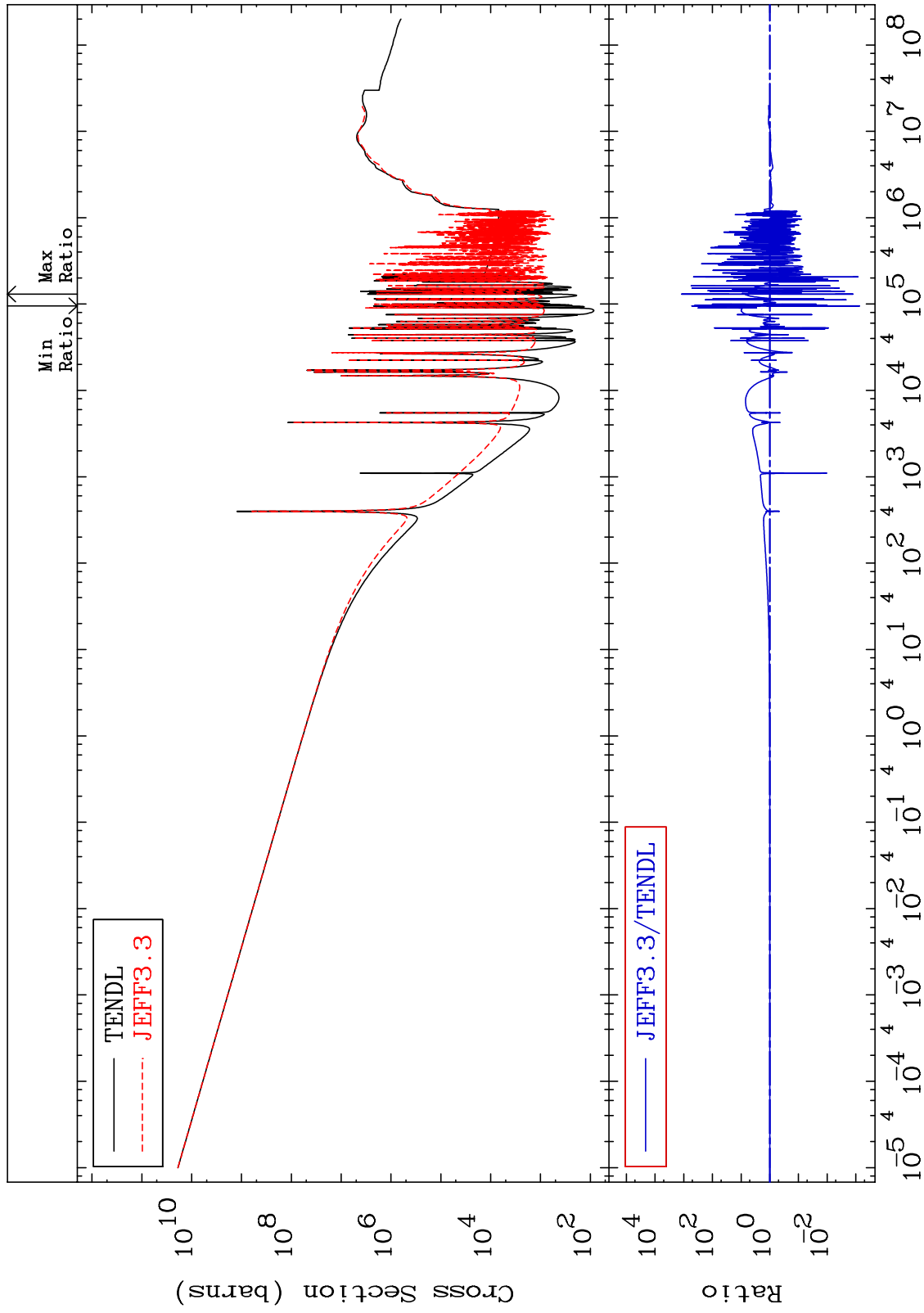
17-Cl-35
-98.36 To 9999. %



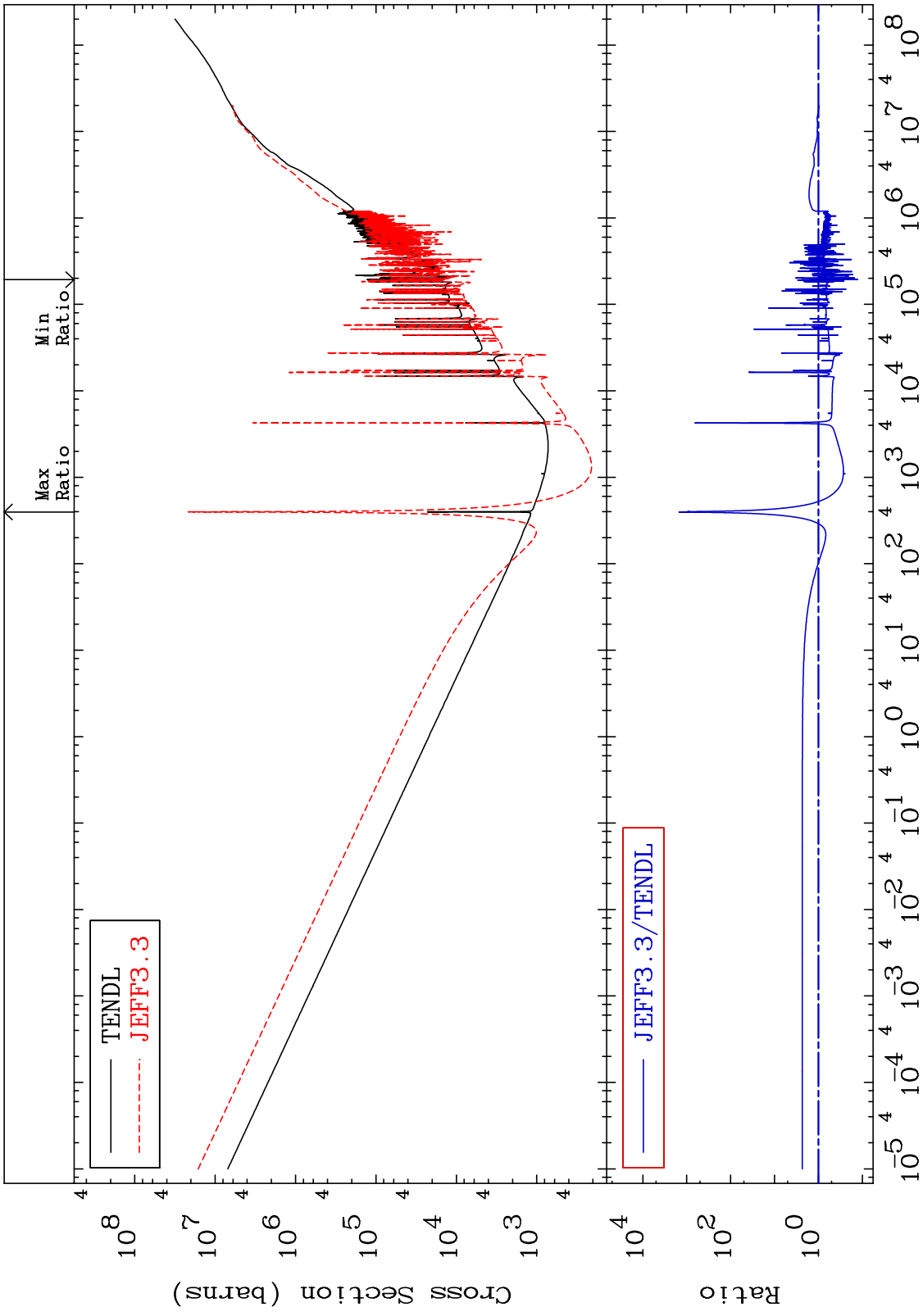
MAT 1725

Total photon (eV-barns)
Cross Section

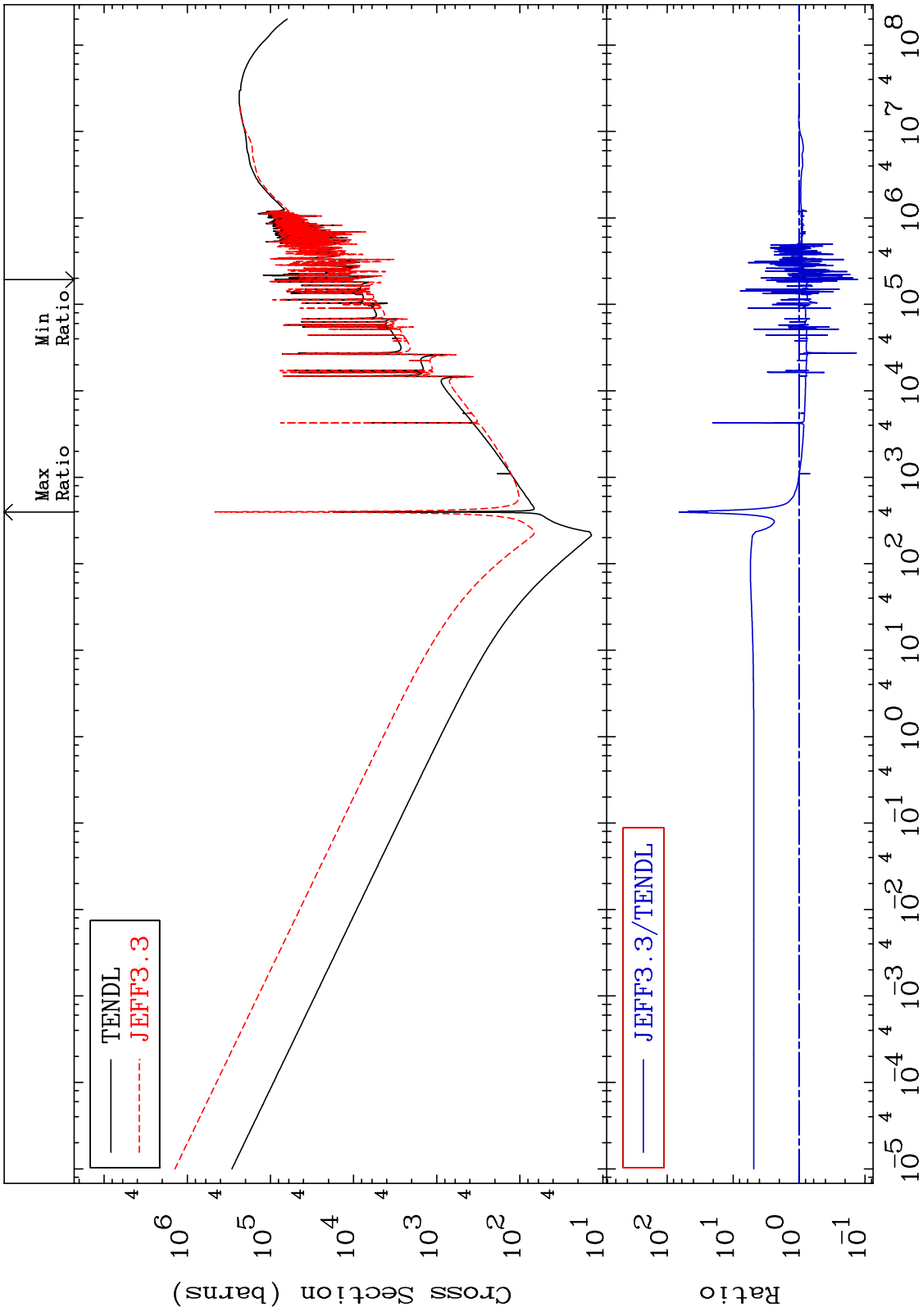
17-Cl-35
-99.93 To 9999. %



MAT 1725 Total kinematic kerma (high limit) 17-Cl-35
 Cross Section -87.37 To 9999. %

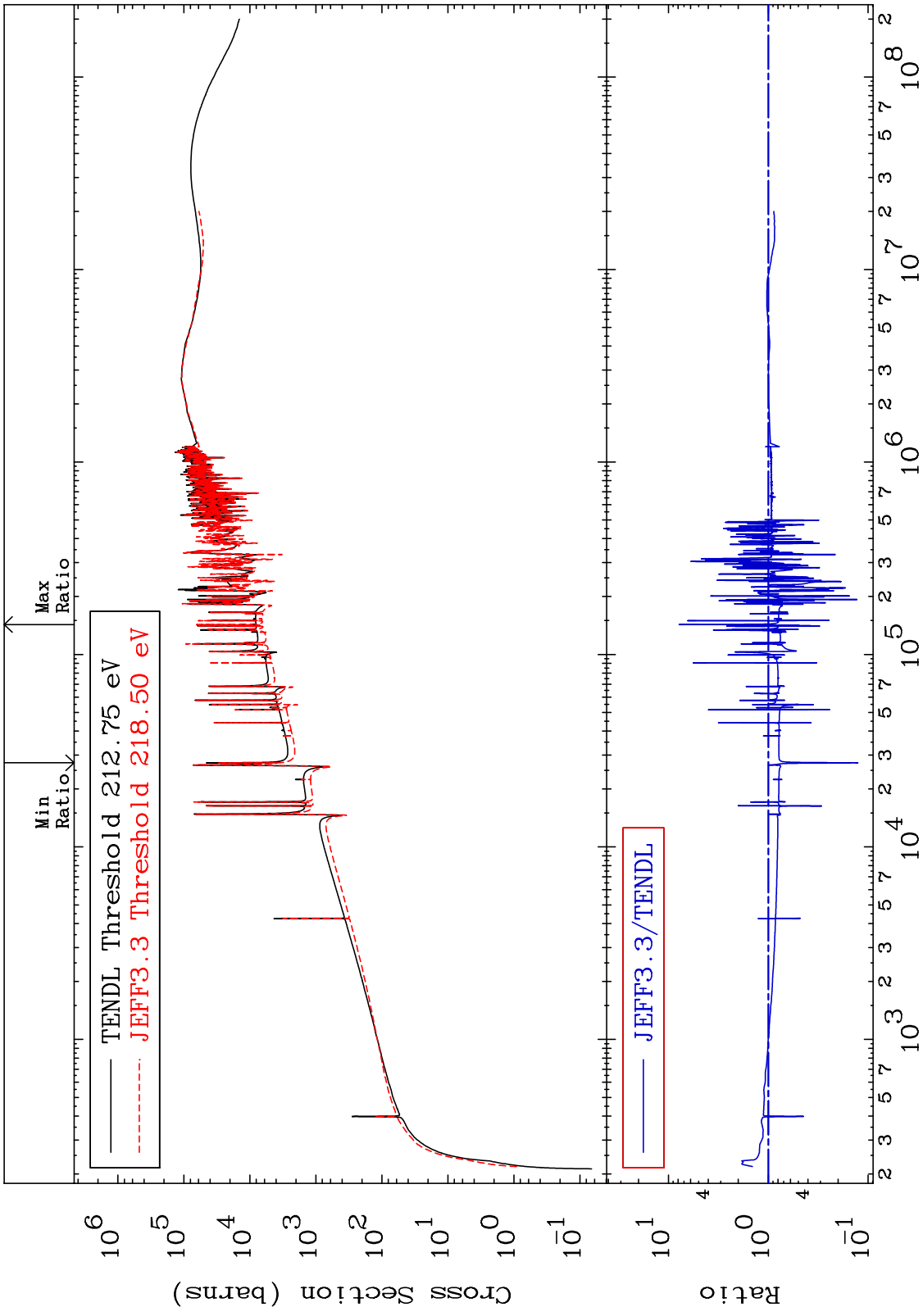


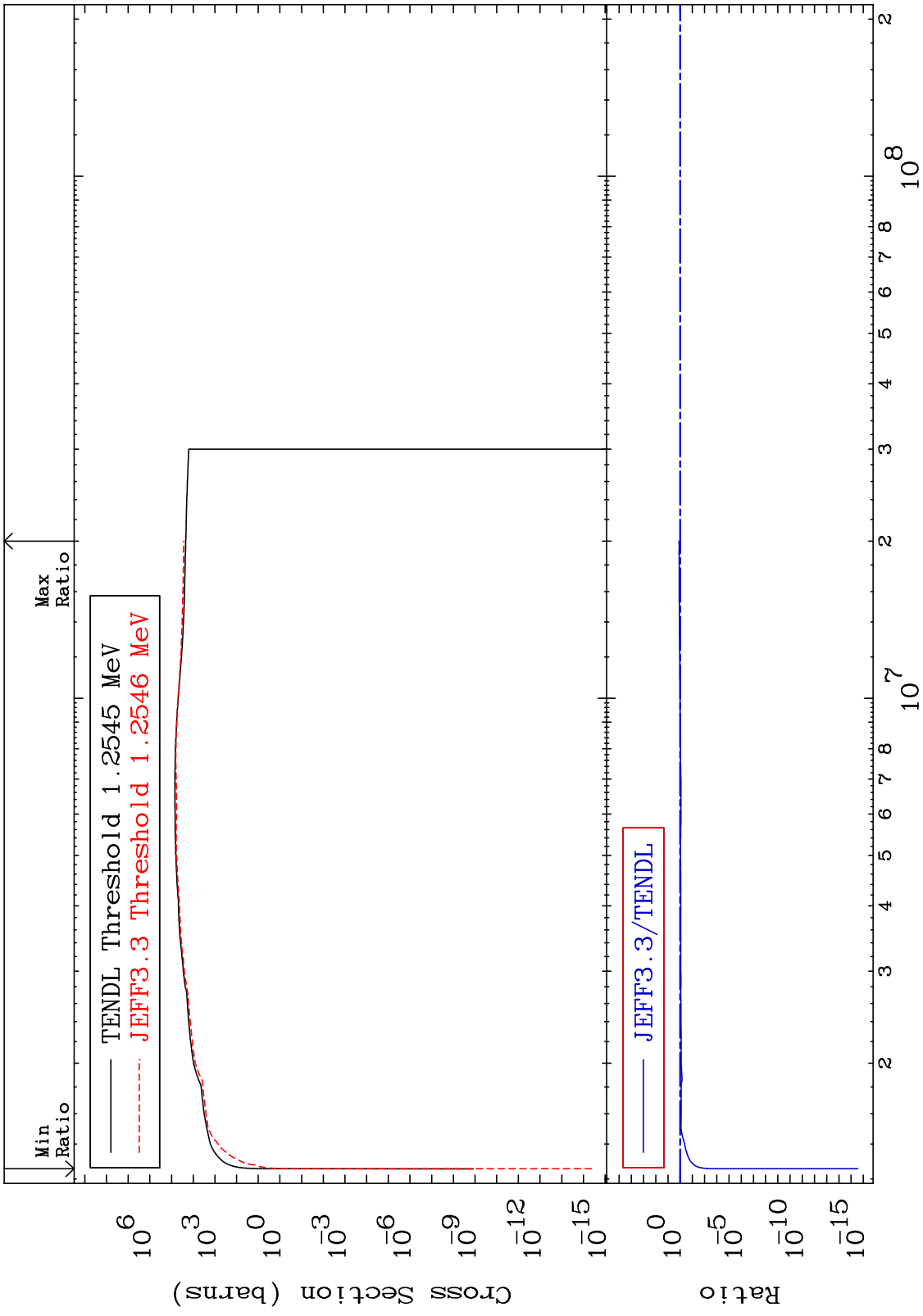
MAT 1725 17-Cl-35
 Dpa total (eV-barns) -87.13 To 6490. %
 Cross Section



Incident Energy (eV) 17-Cl-35

MAT 1725 17-Cl-35 -87.32 To 684.5 %
 Dpa elastic (mt2) Cross Section





MAT 1725

Dpa disappearance (mt102 -120)
Cross Section

17-Cl-35
-99.99 To 9999. %

