

Program Complot
(Version 2018-1)

by

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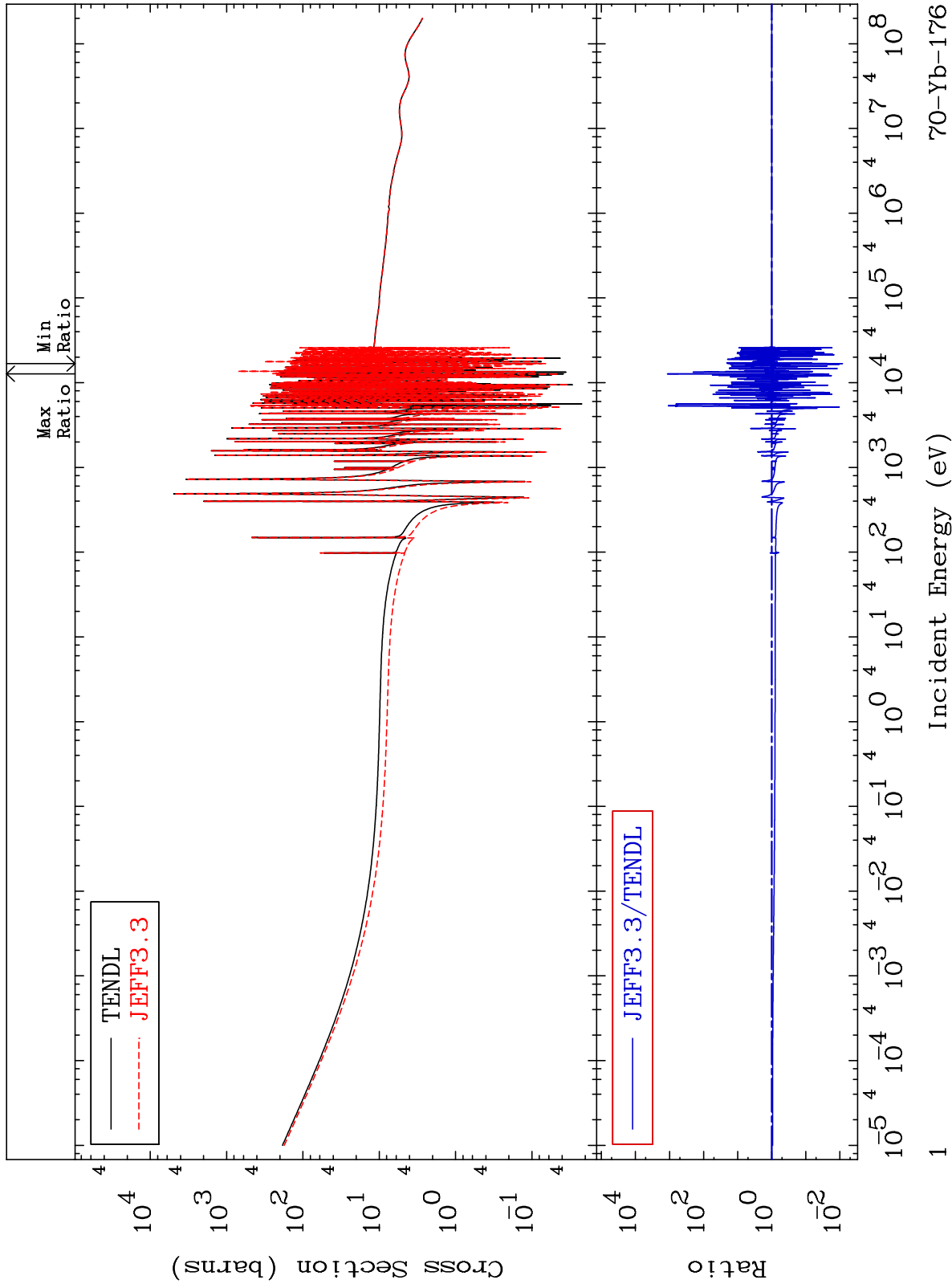
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7049

Total
Cross Section

70-Yb-176
-99.17 To 9999. %

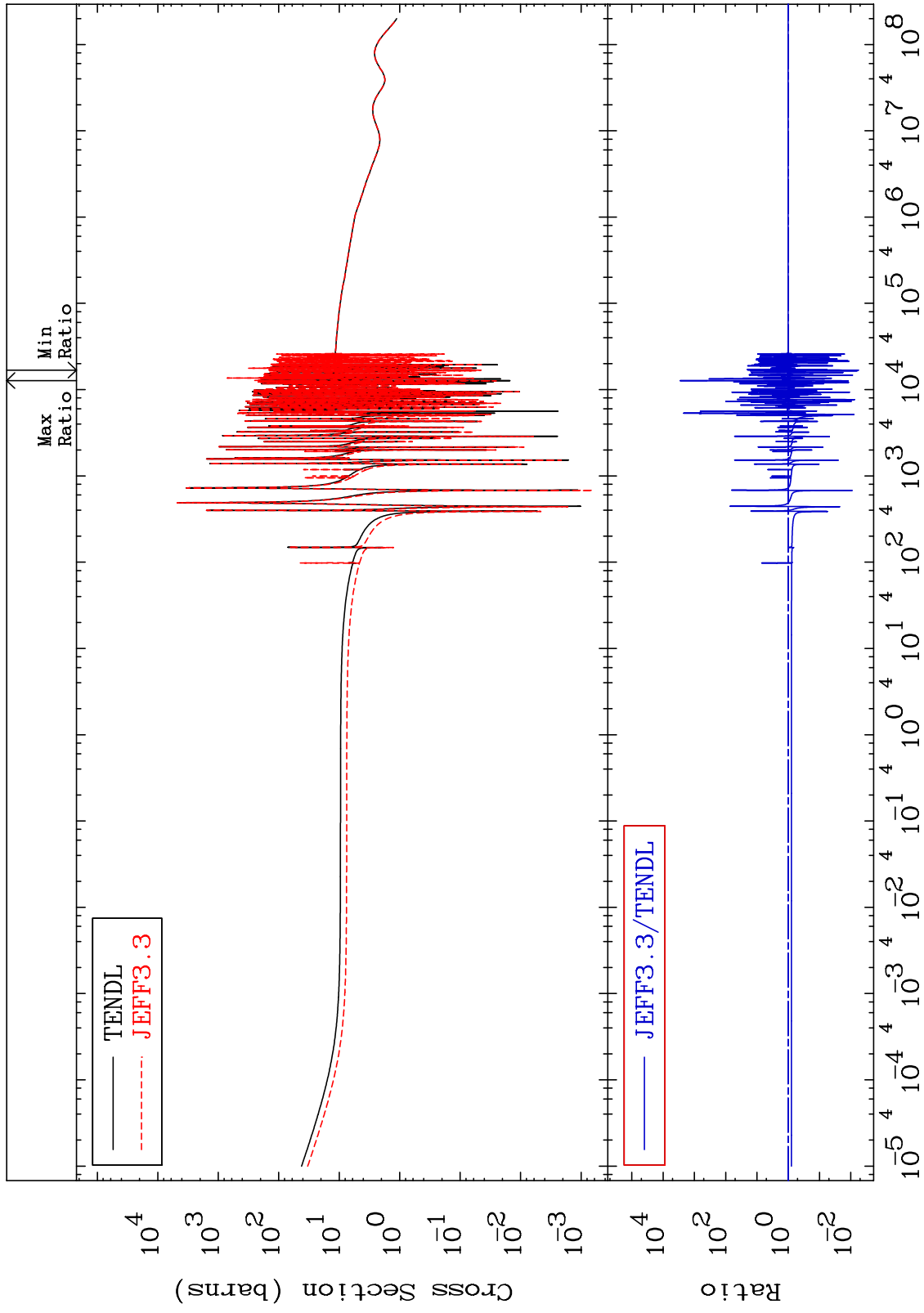


70-Yb-176

MAT 7049

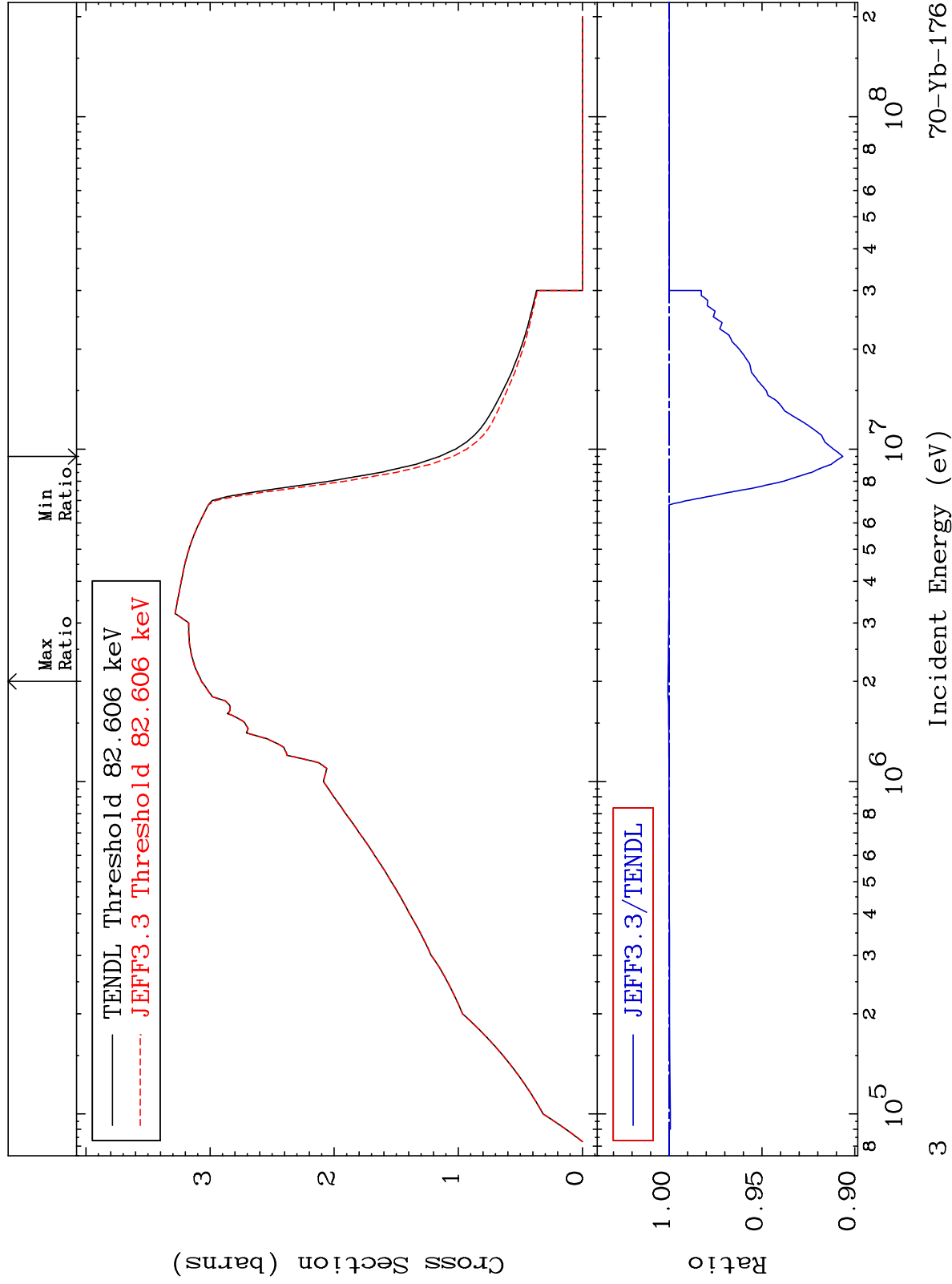
Elastic
Cross Section

70-Yb-176
-99.43 To 9999. %



MAT 7049

Inelastic Cross Section
70-Yb-176
-9.353 To 0.060 %



70-Yb-176

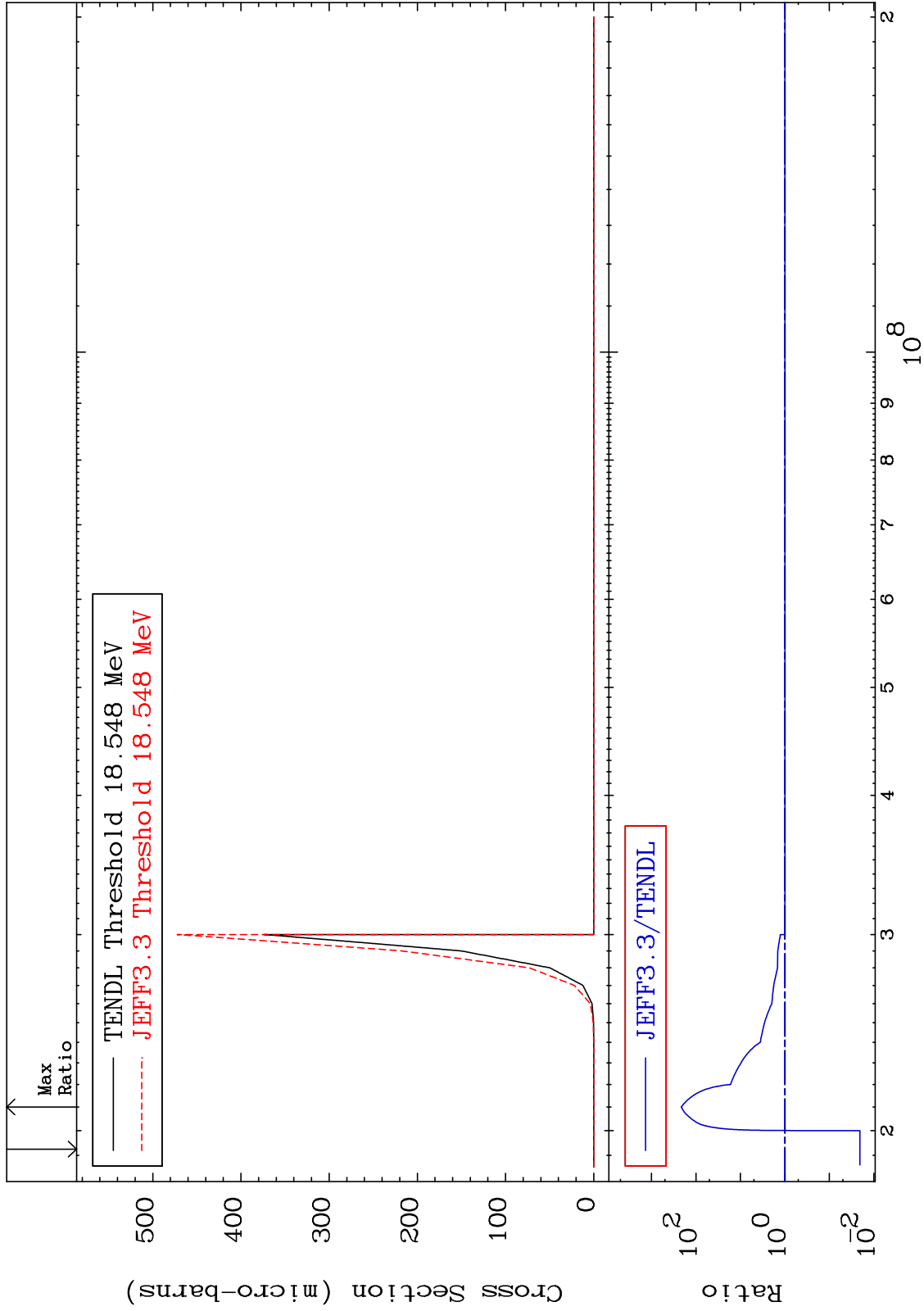
MAT 7049

(n,2n) d

70-Yb-176

Cross Section

-97.94 To 9999. %



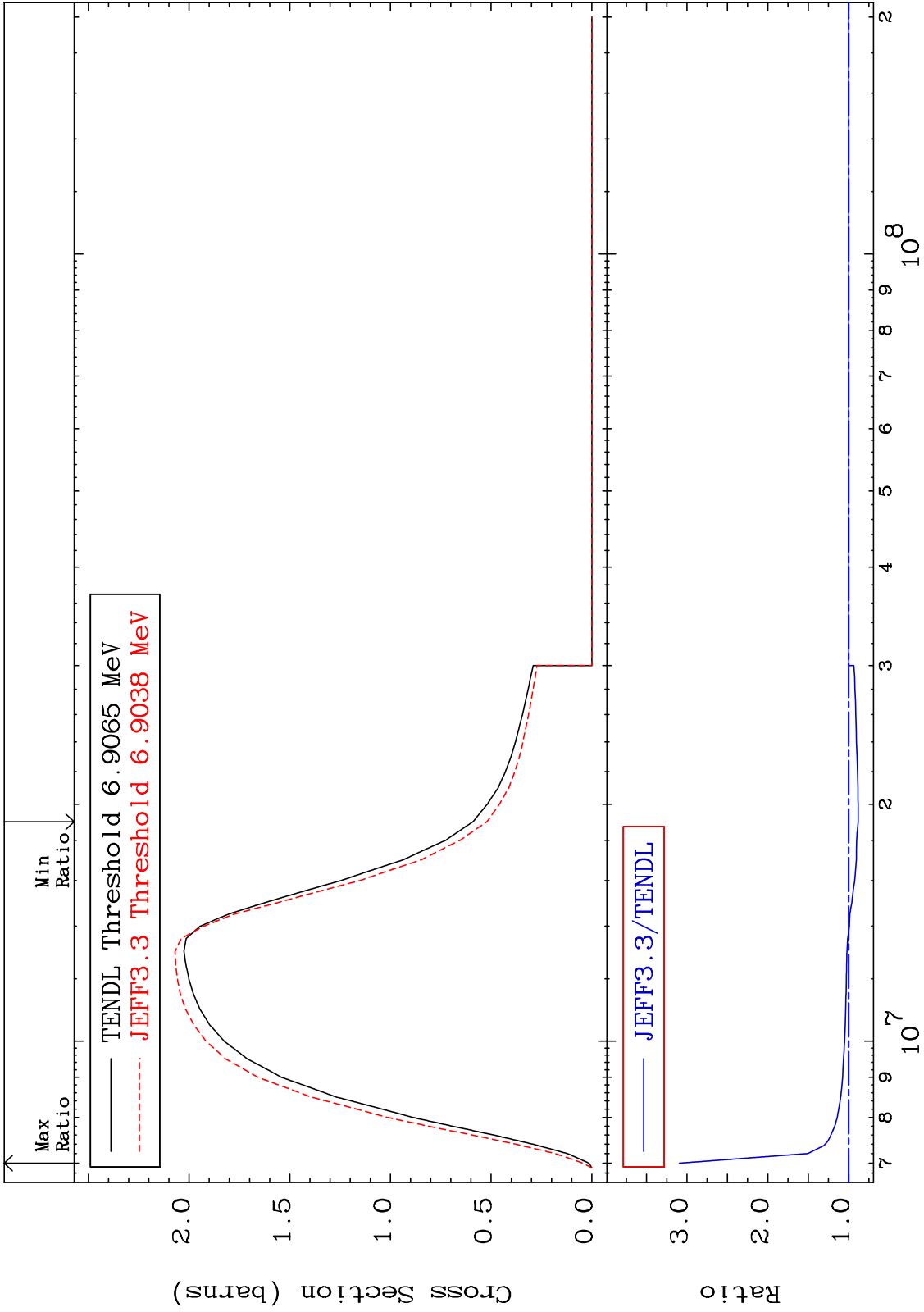
MAT 7049

(n,2n)

70-Yb-176

Cross Section

-11.80 To 209.4 %



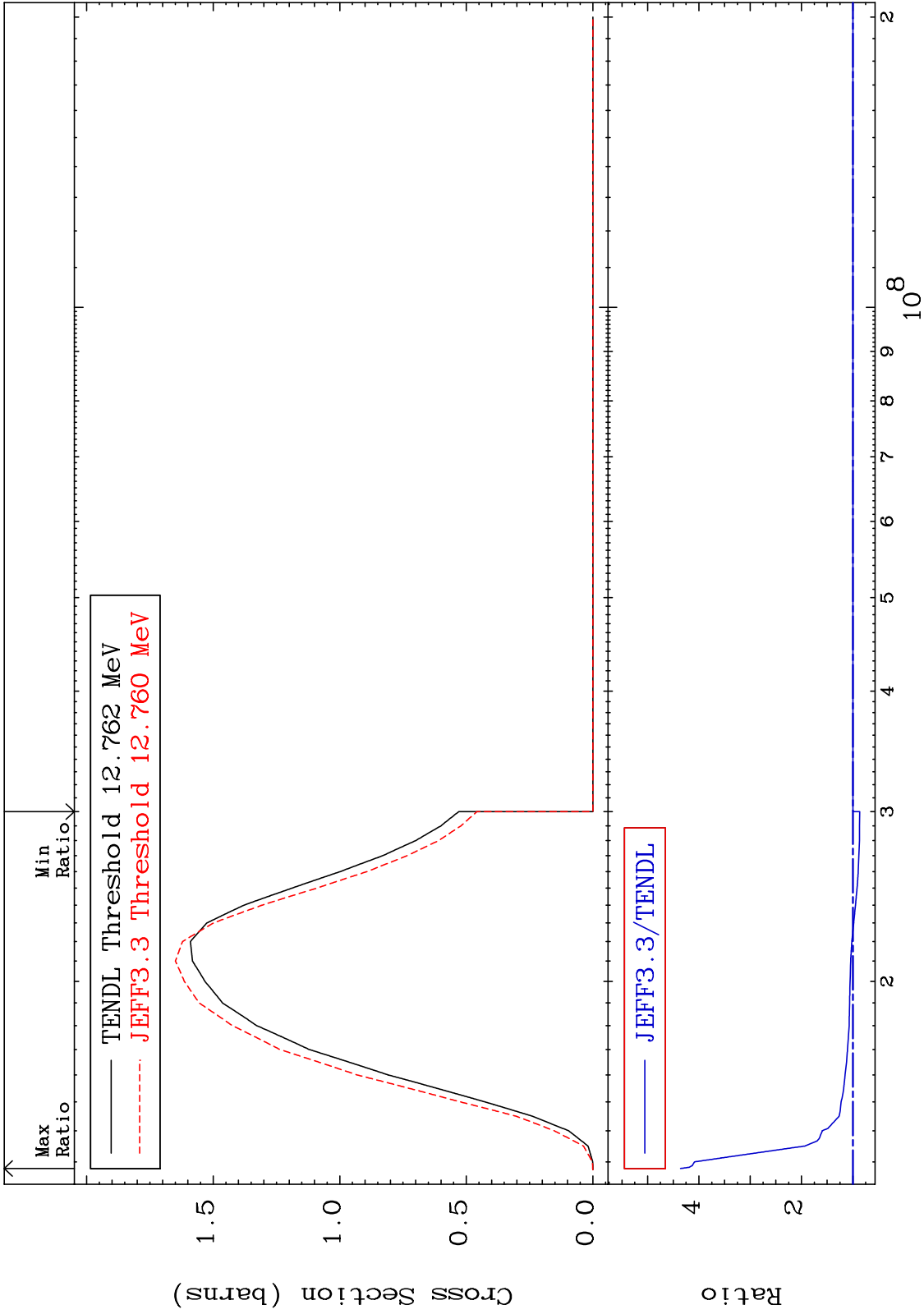
MAT 7049

(n, 3n)

⁷⁰Yb-176

Cross Section

-13.52 To 335.7 %



6

Incident Energy (eV)

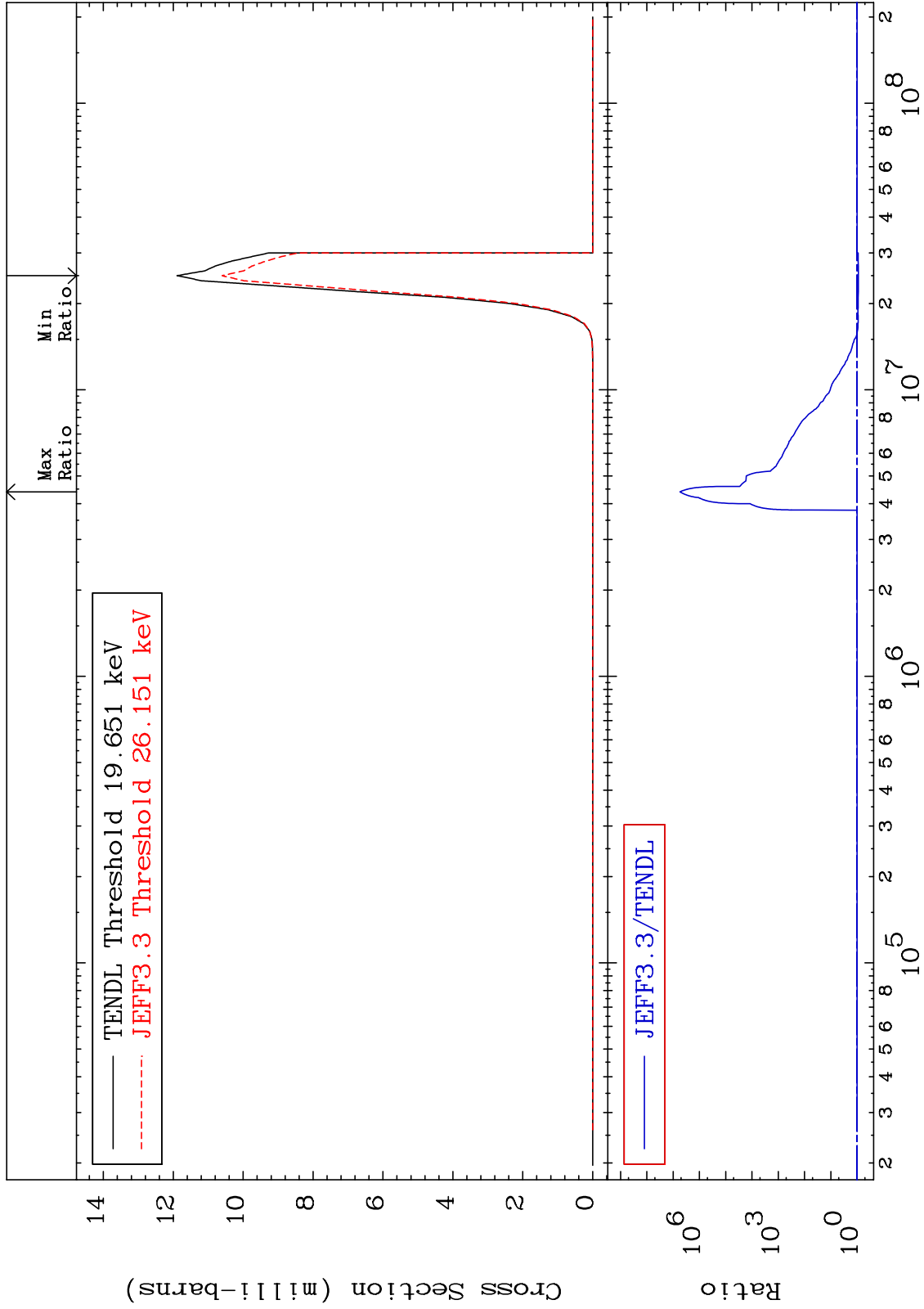
⁷⁰Yb-176

MAT 7049

(n,n') α

70-Yb-176

Cross Section -10.83 To 9999. %



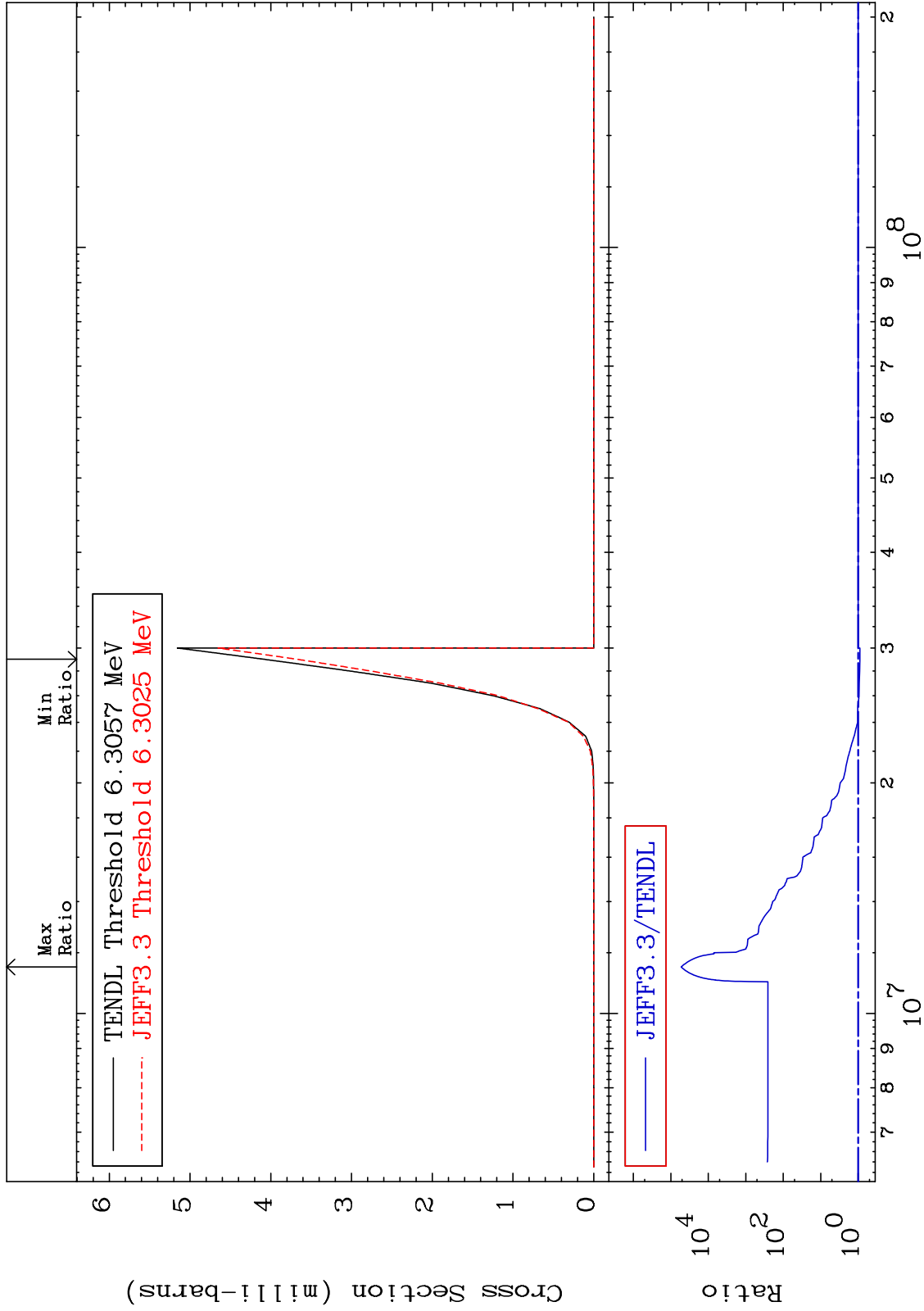
MAT 7049

(n,2n) α

70-Yb-176

Cross Section

-10.05 To 9999. %



MAT 7049

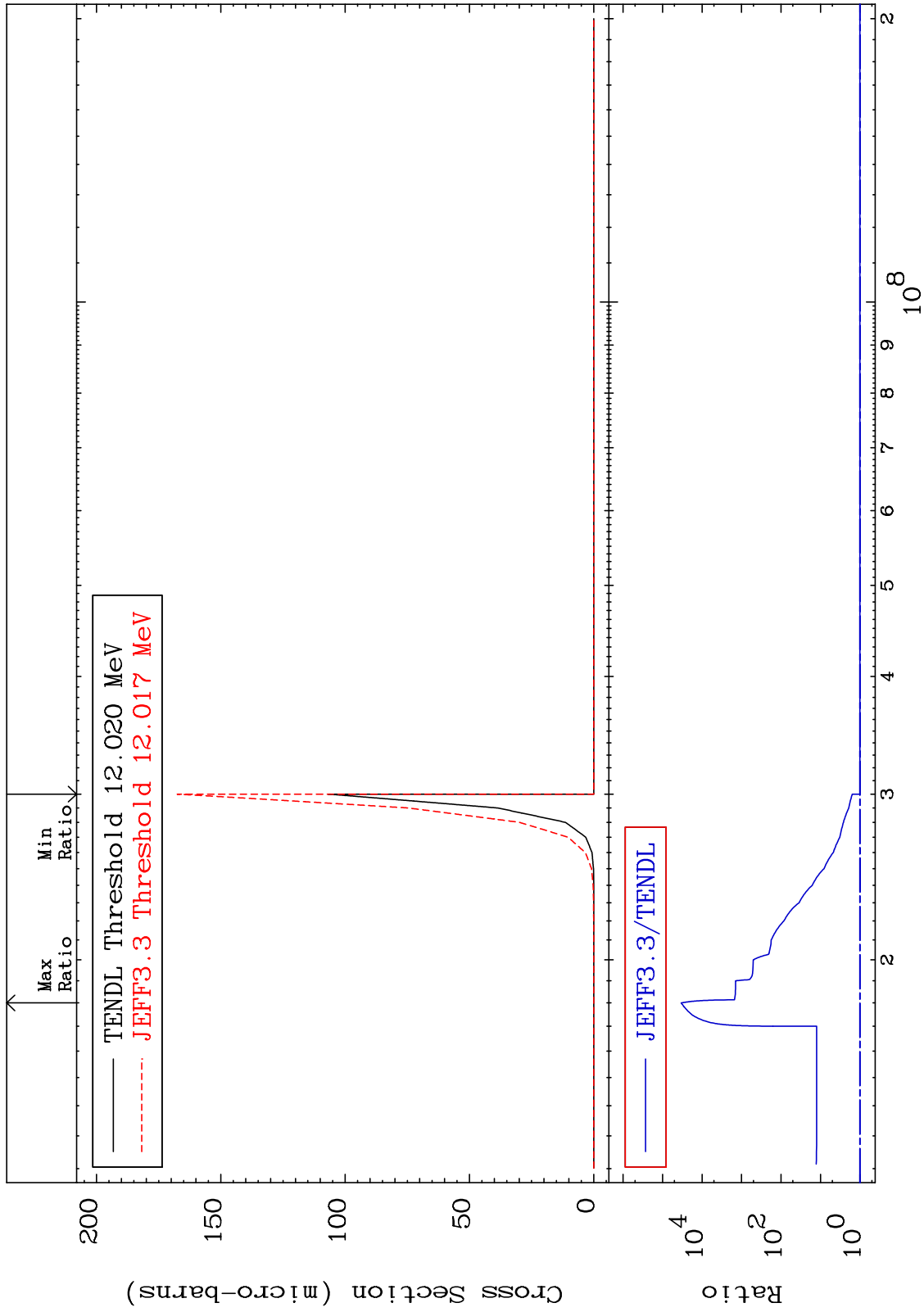
(n, 3n) α

70-Yb-176

Cross Section

0.000

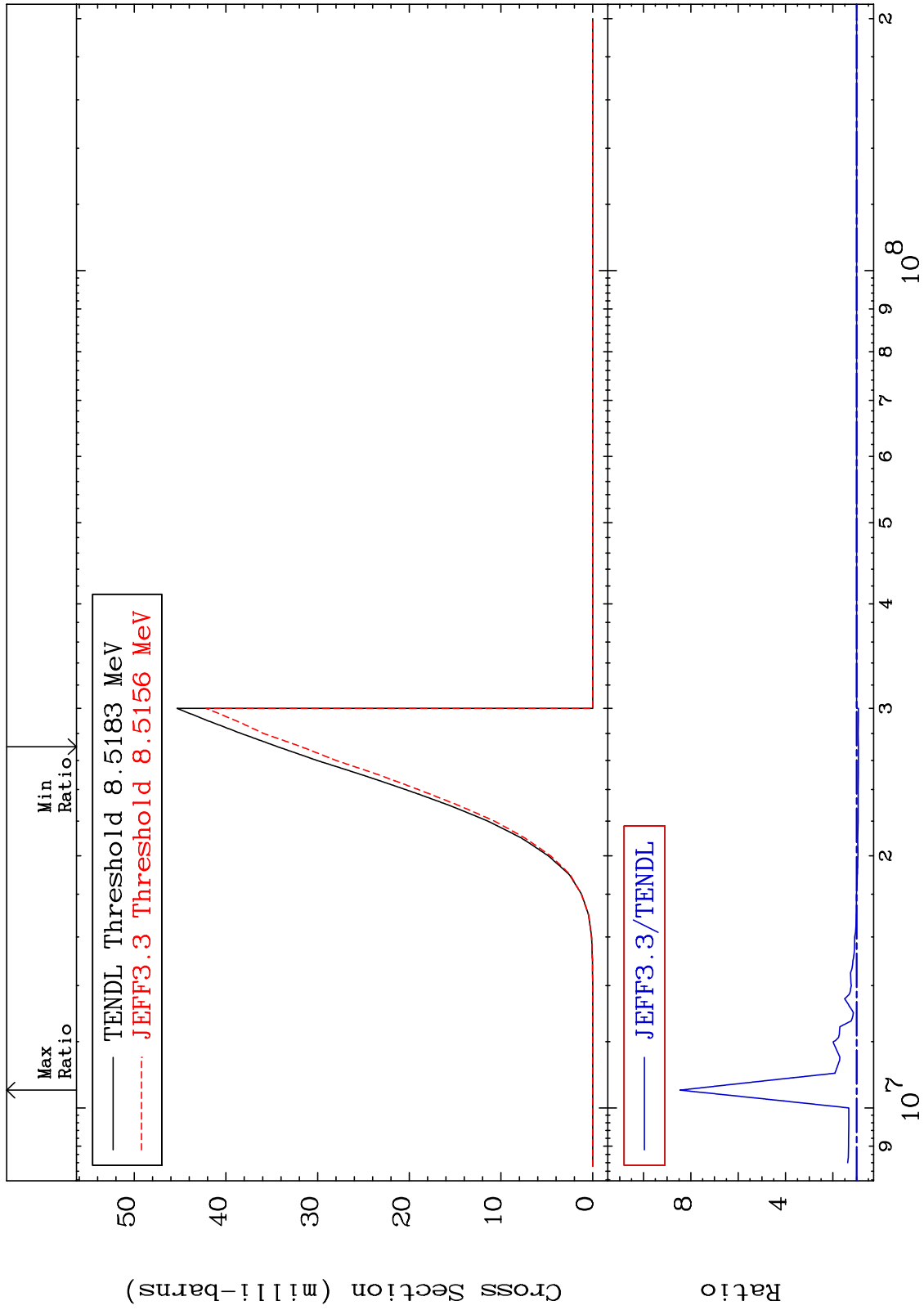
To 9999. %



MAT 7049

(n,n') p
Cross Section

70-Yb-176
-7.493 To 745.6 %



70-Yb-176

Incident Energy (eV)

10

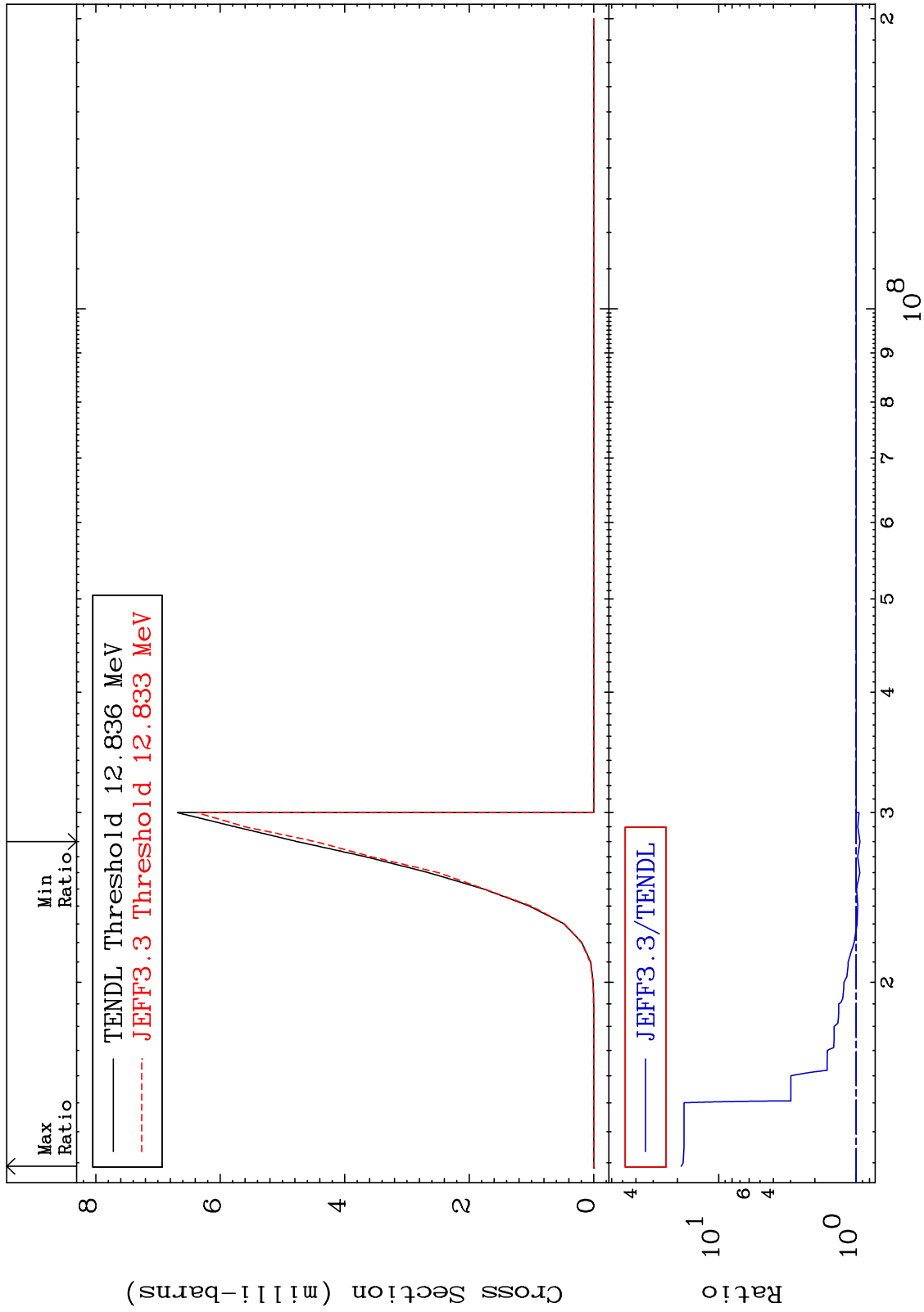
MAT 7049

(n, n') d

70-Yb-176

Cross Section

-6.154 To 1774. %



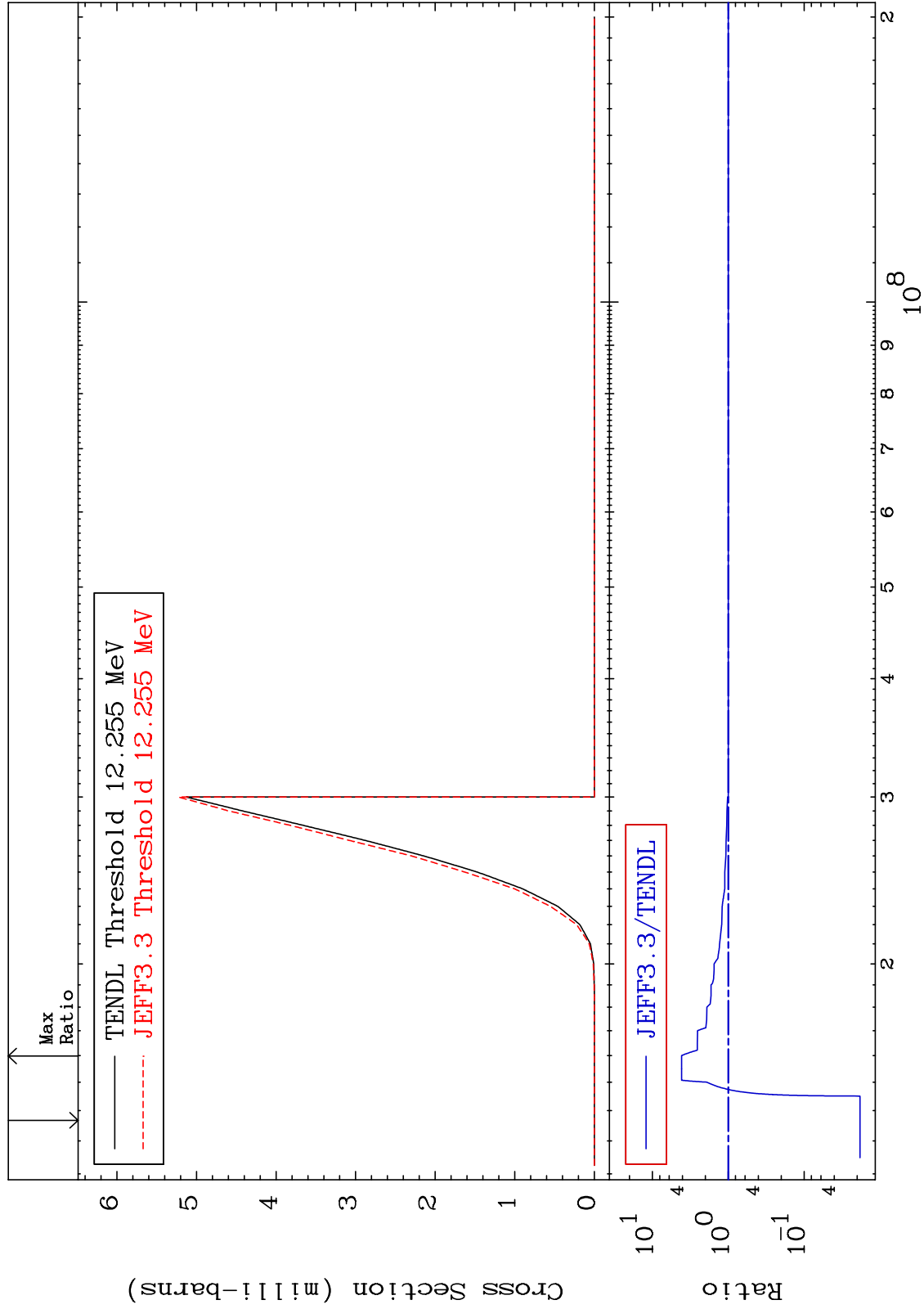
MAT 7049

(n, n') t

70-Yb-176

Cross Section

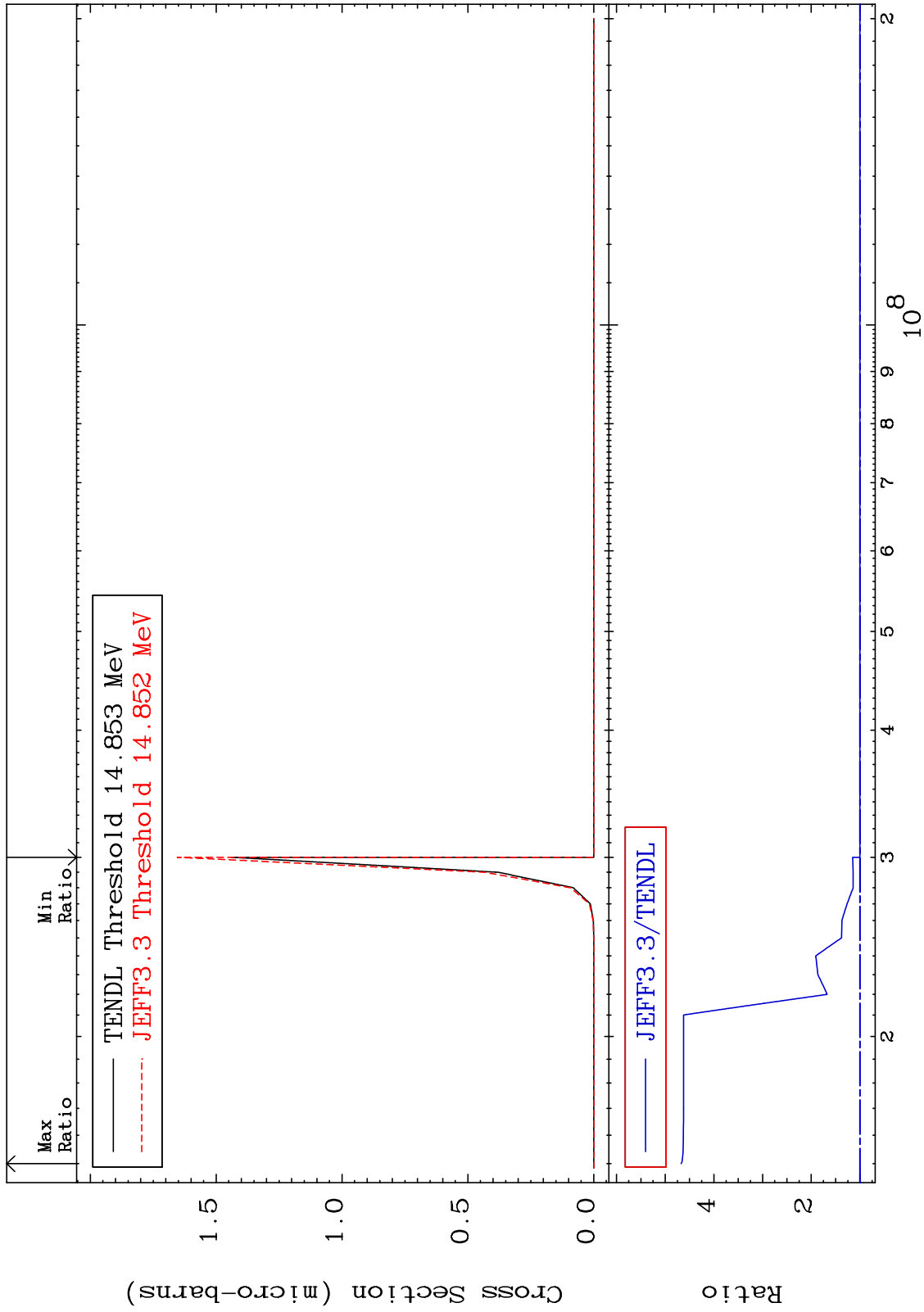
-98.17 To 310.7 %

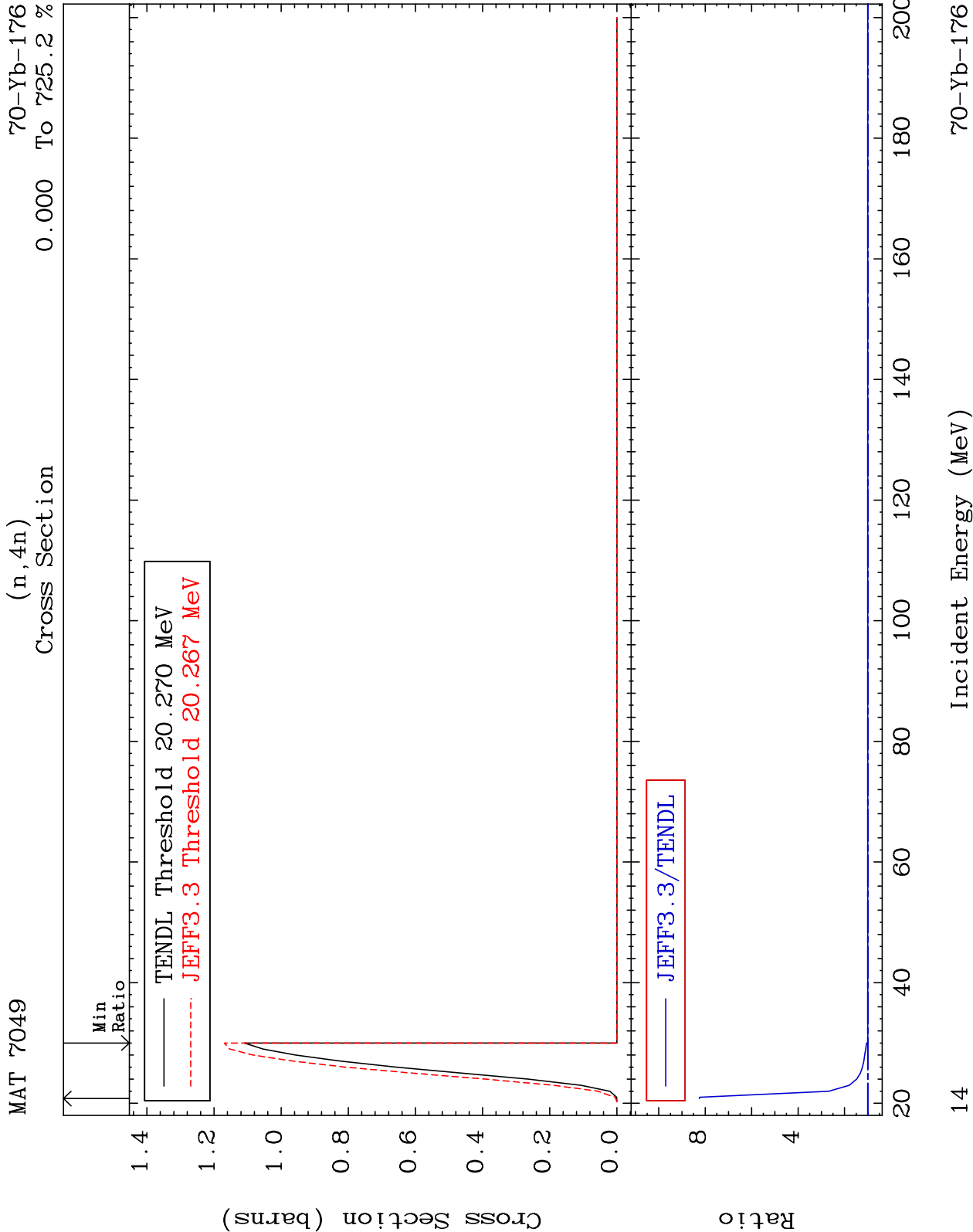


MAT 7049

(n, n') He-3
Cross Section

70-Yb-176
To 367.1 %
0.000

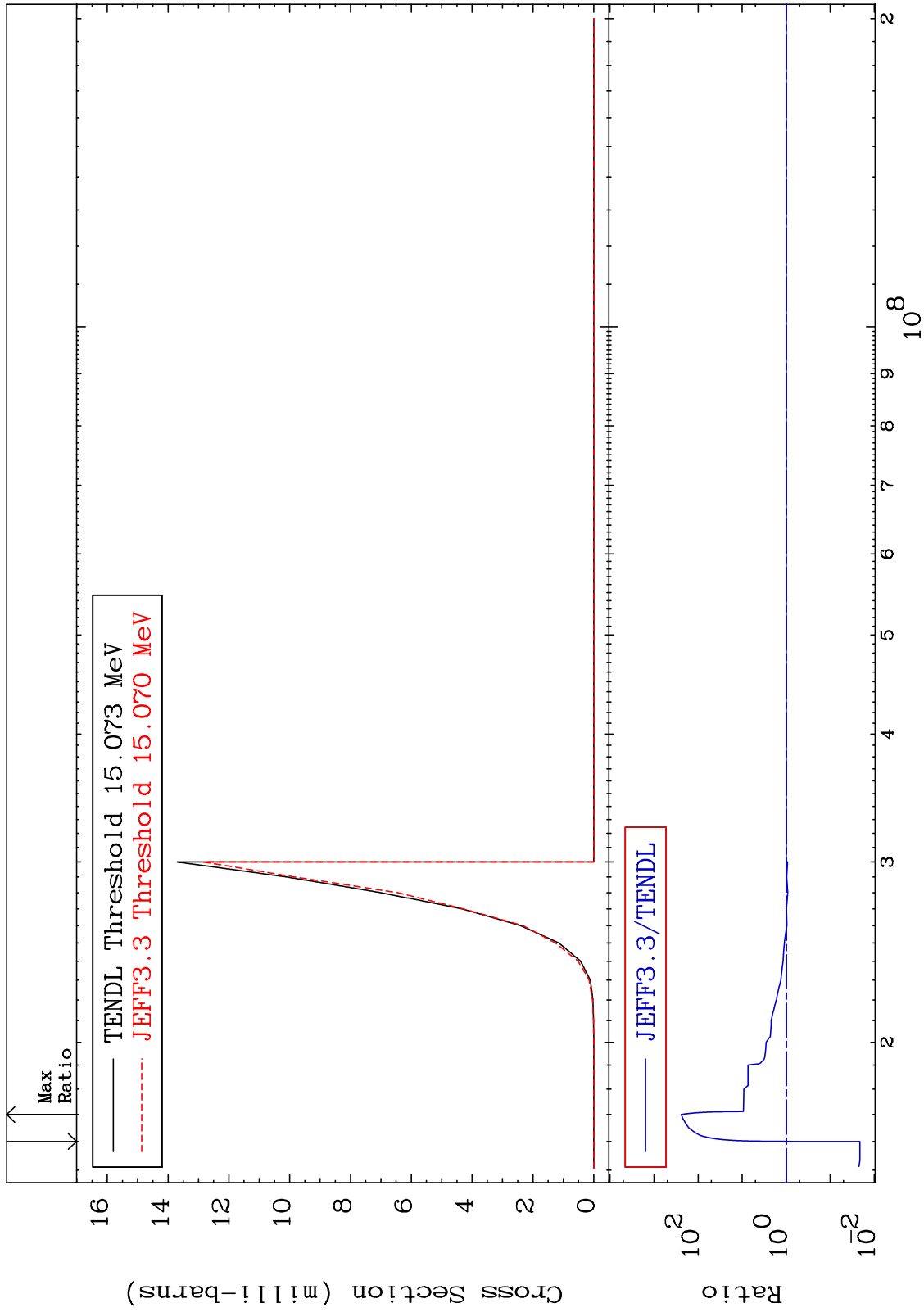




MAT 7049

(n,2n) p
Cross Section

70-Yb-176
-97.88 To 9999. %



15

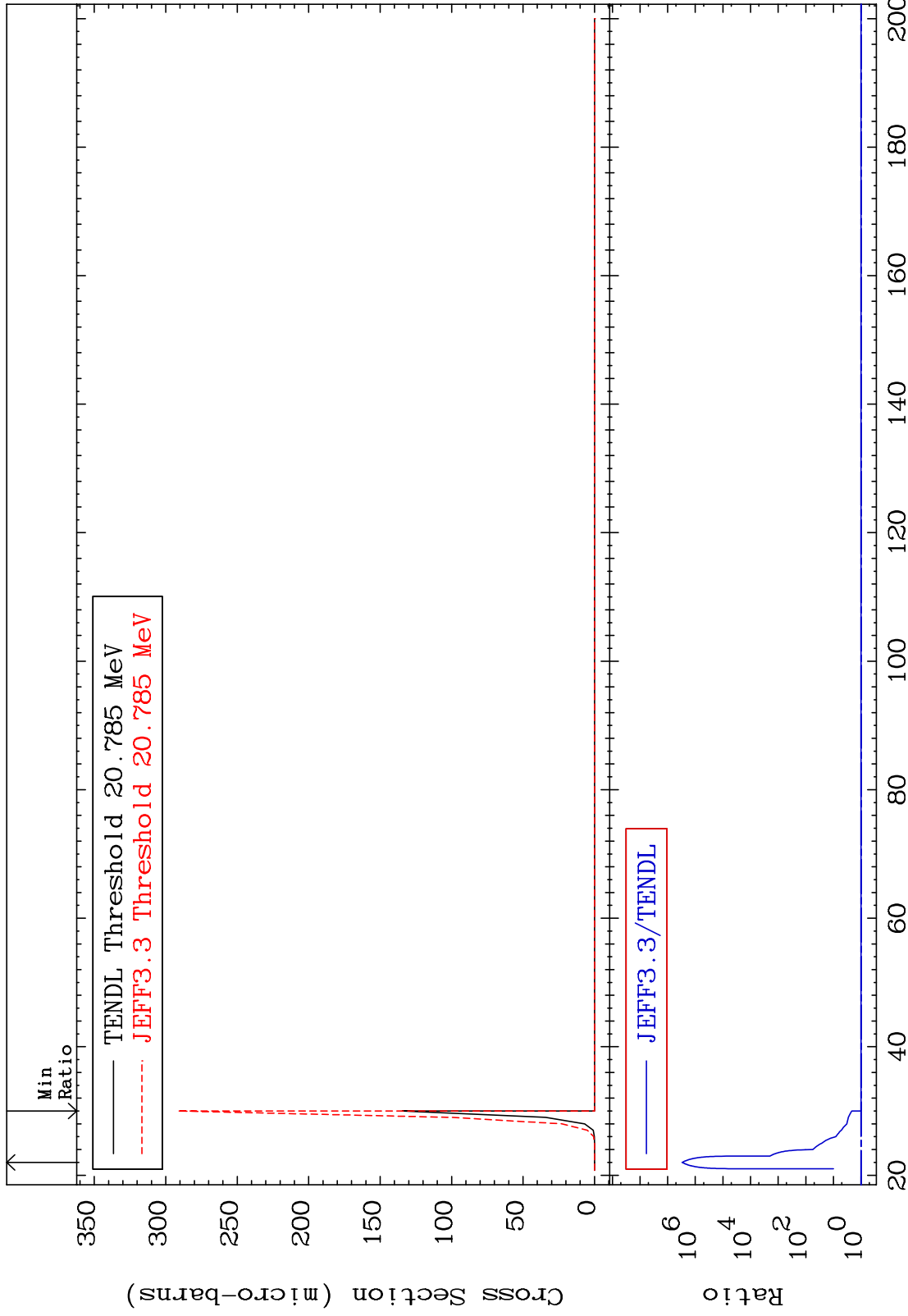
Incident Energy (eV)

70-Yb-176

MAT 7049

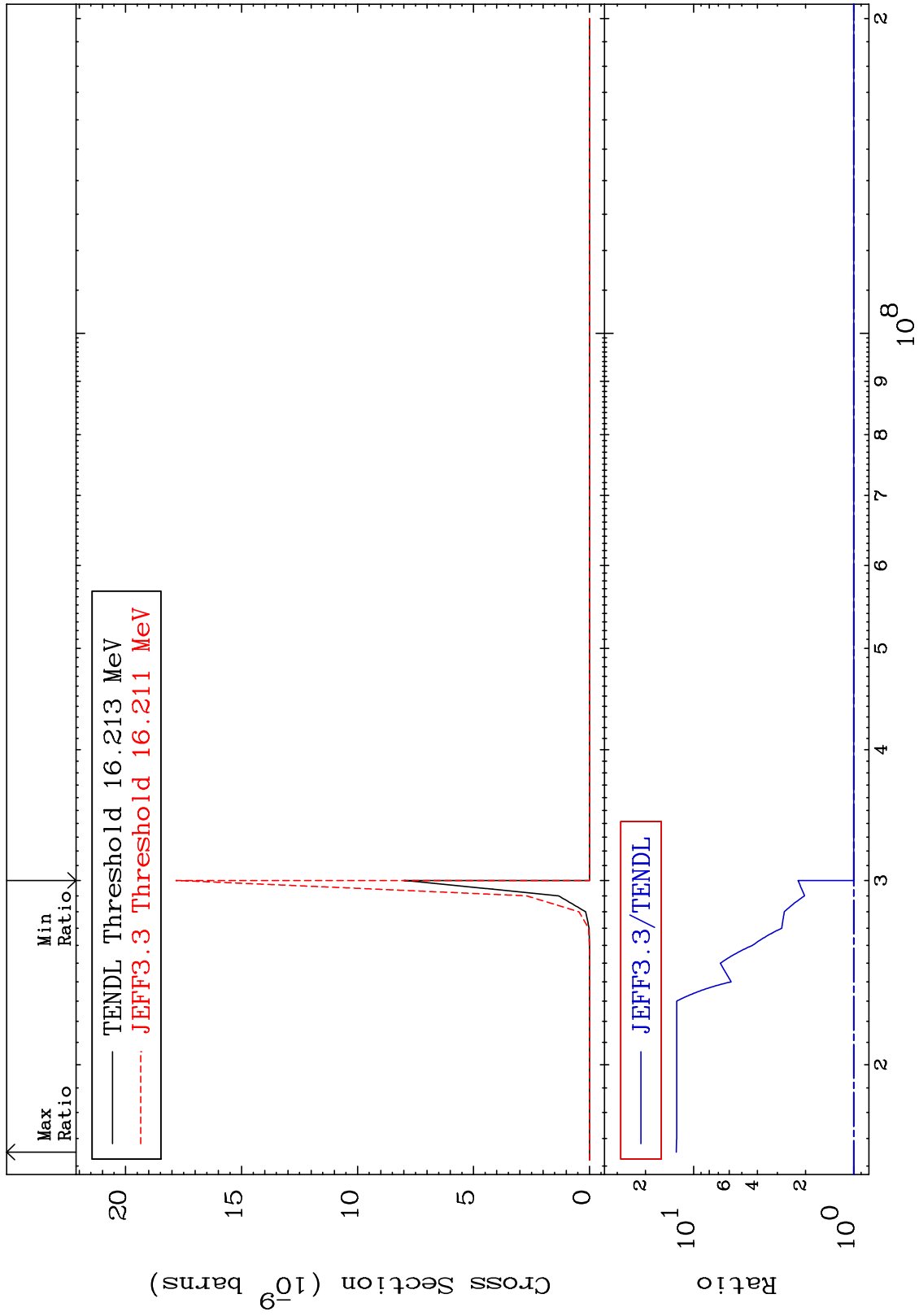
(n,3n) p
Cross Section

70-Yb-176
To 9999. %
0.000



70-Yb-176

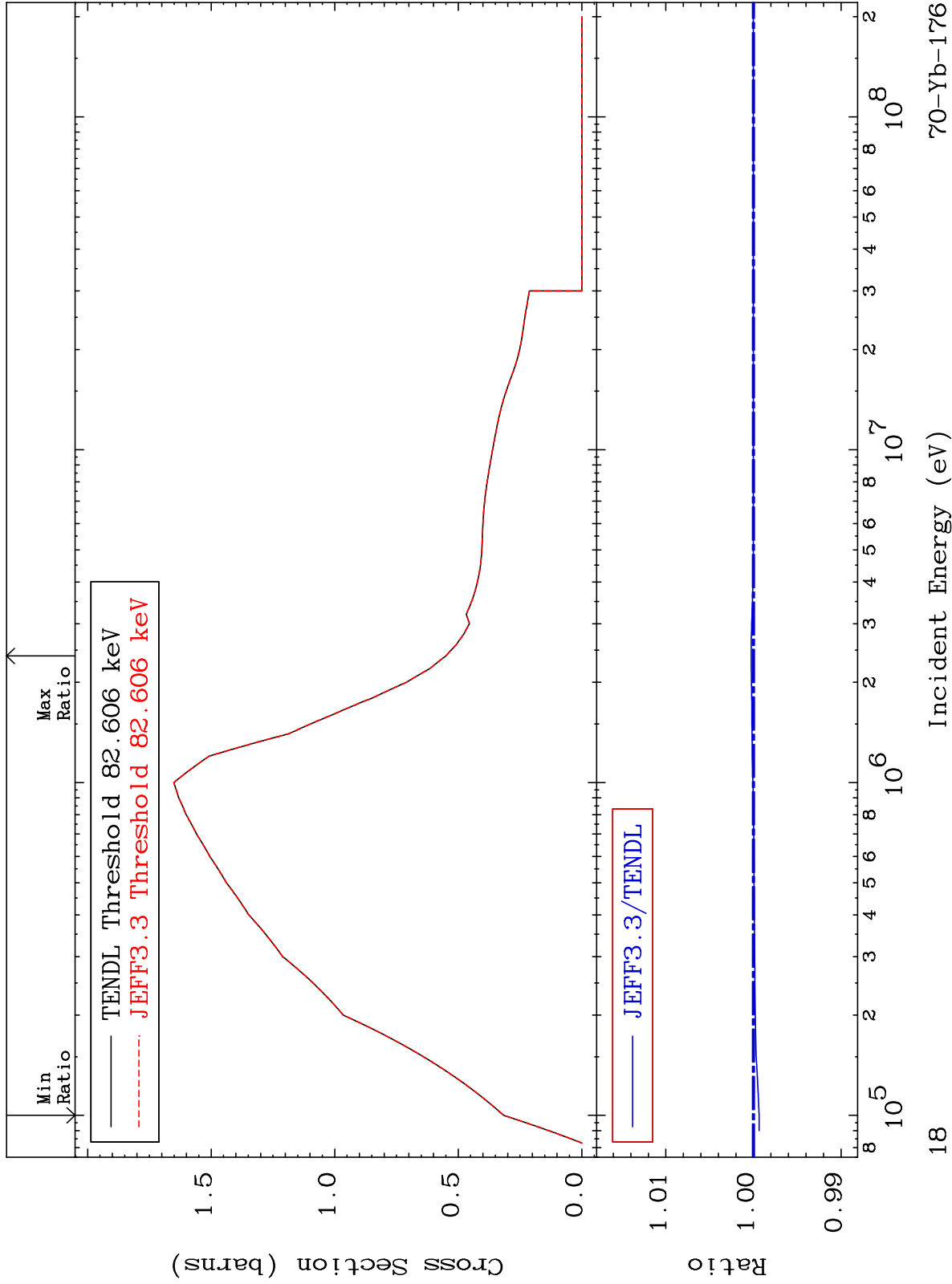
MAT 7049 (n,2n) p 70-Yb-176
 Cross Section 0.000 To 1183. %



MAT 7049

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

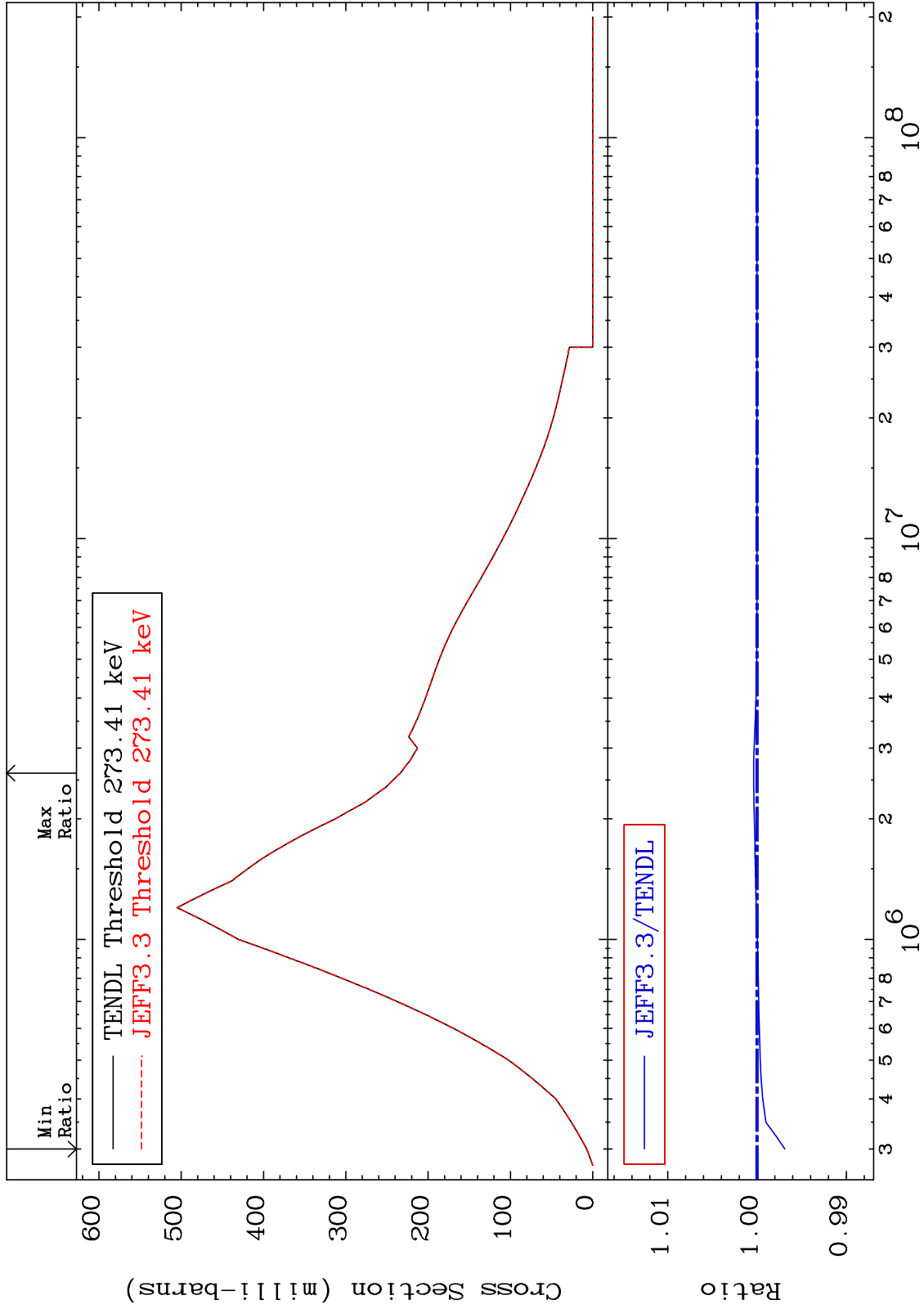
70-Yb-176
-0.065 To 0.027 %



MAT 7049

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

70-Yb-176
-0.311 To 0.039 %

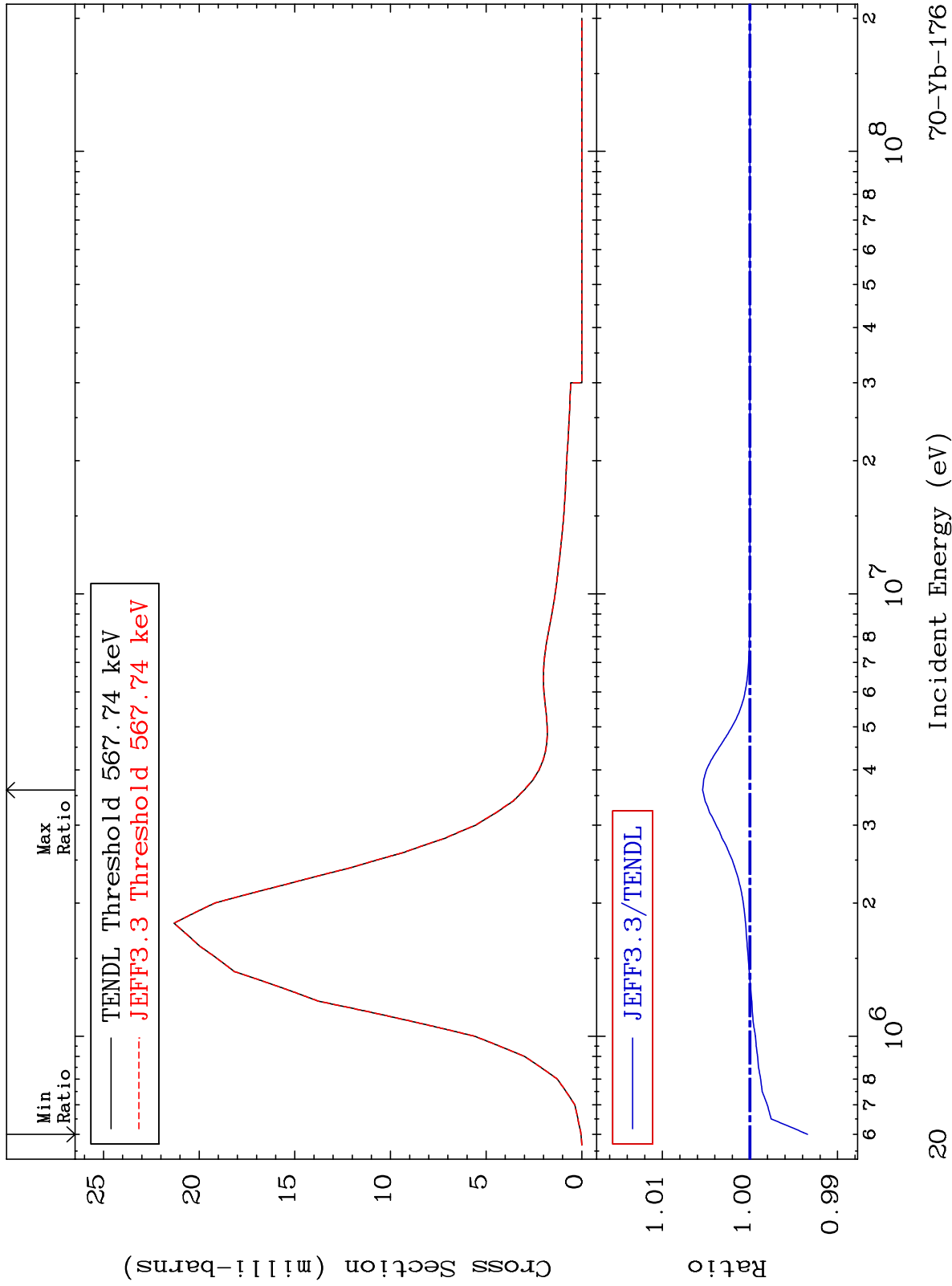


19

Incident Energy (eV)

70-Yb-176

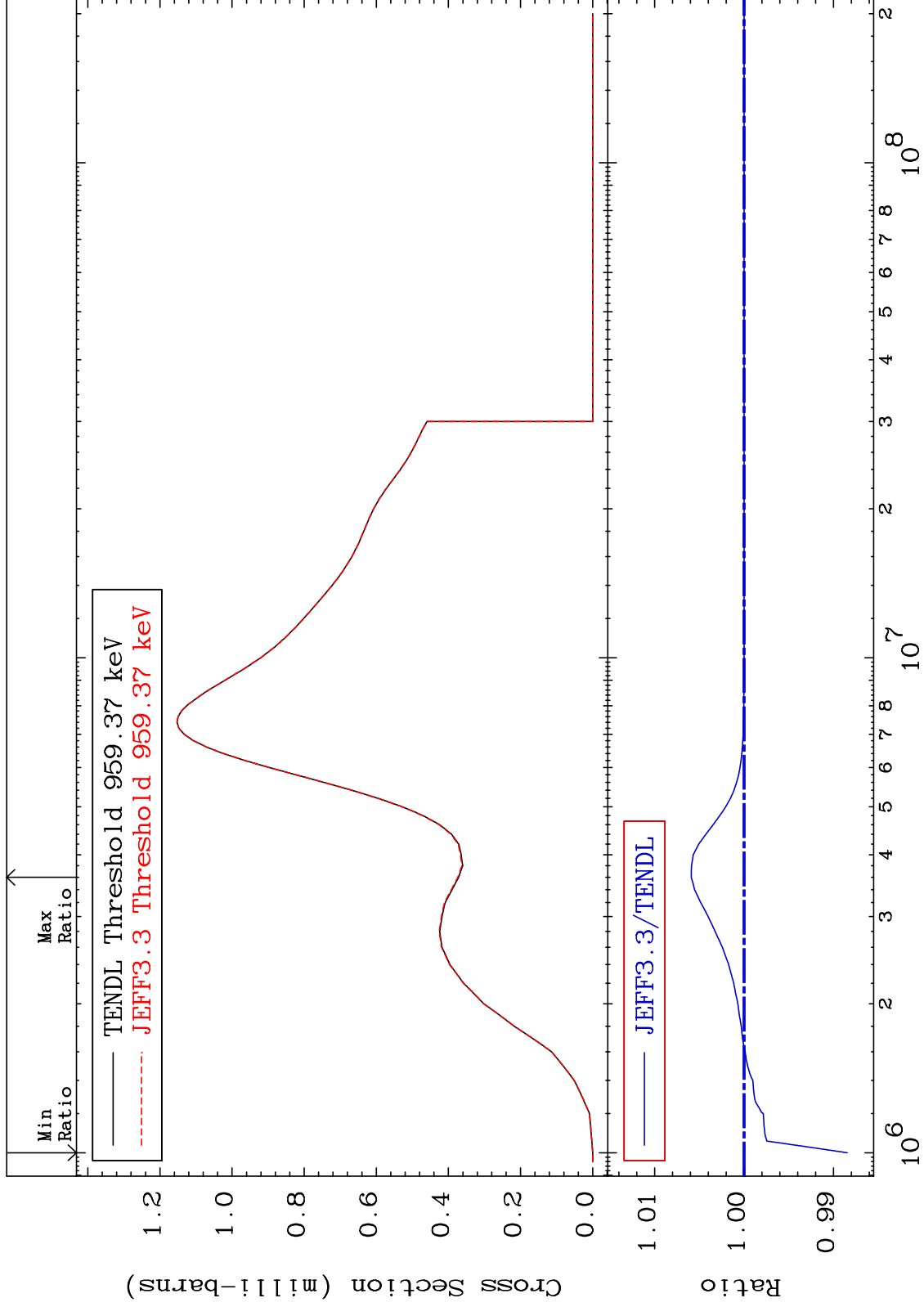
MAT 7049 MT= 53 (n,n') Level
Cross Section -0.658 To 0.540 %
70-Yb-176



MAT 7049

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

70-Yb-176
-1.152 To 0.591 %



21

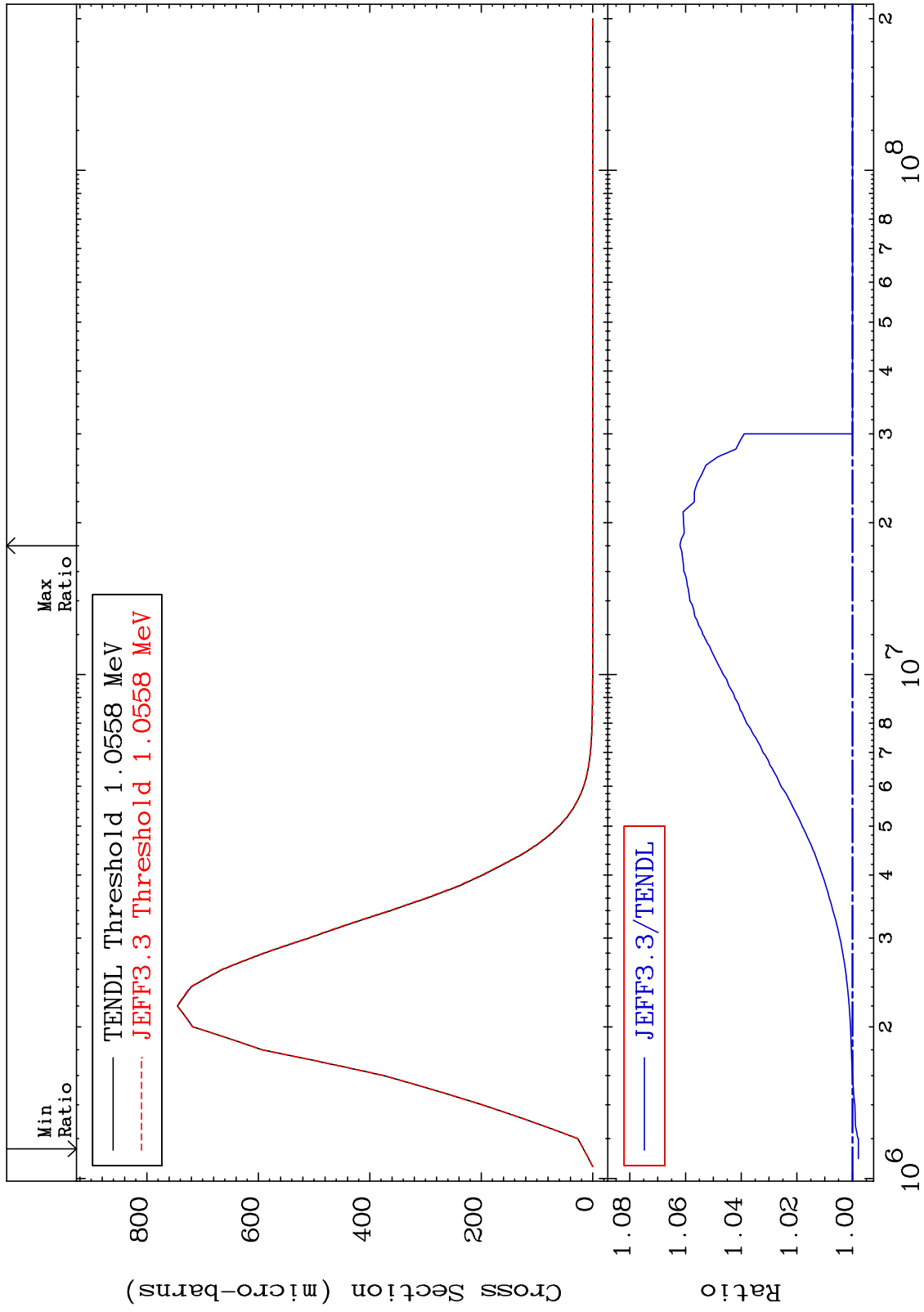
Incident Energy (eV)

70-Yb-176

MAT 7049

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

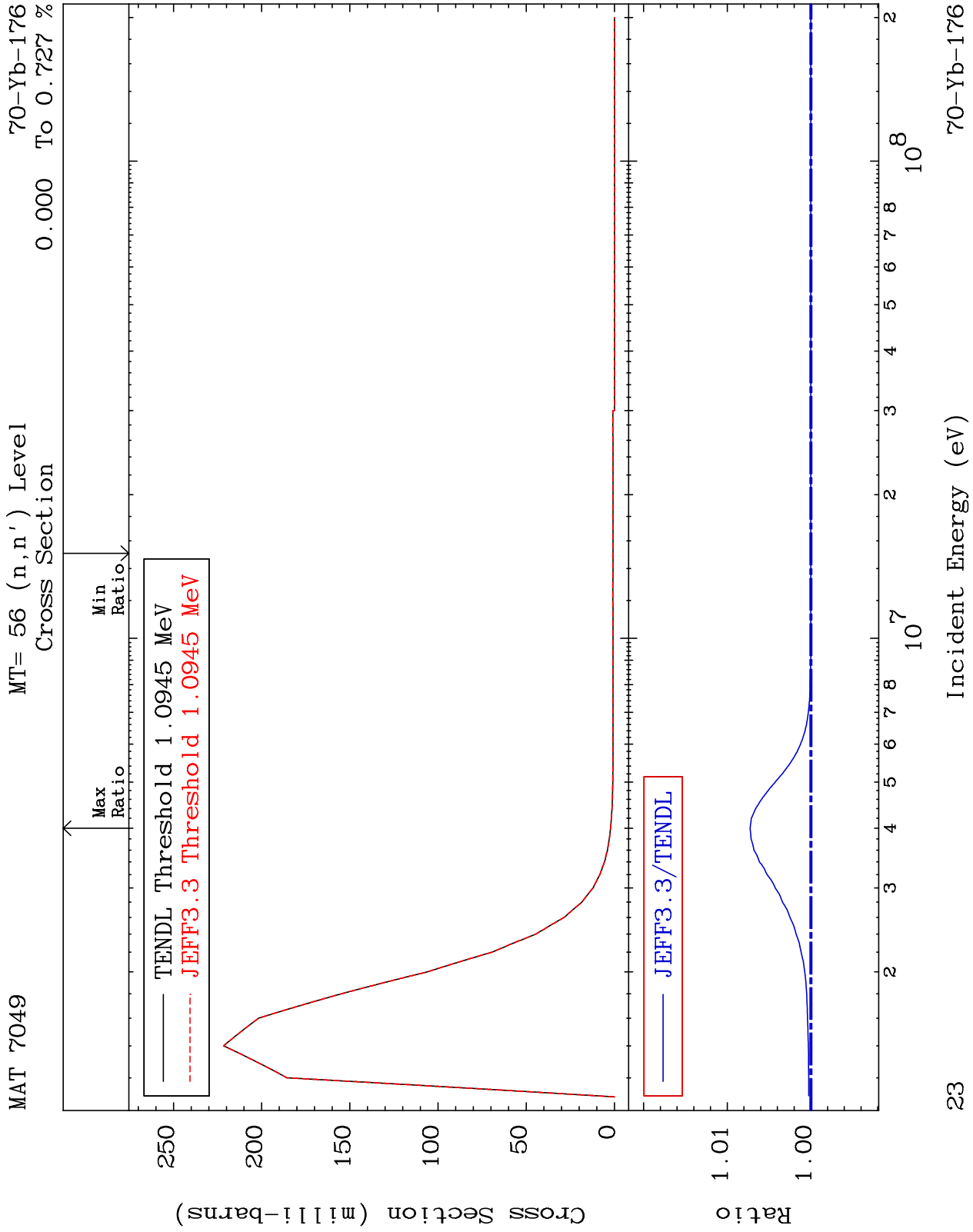
70-Yb-176
-0.212 To 6.198 %

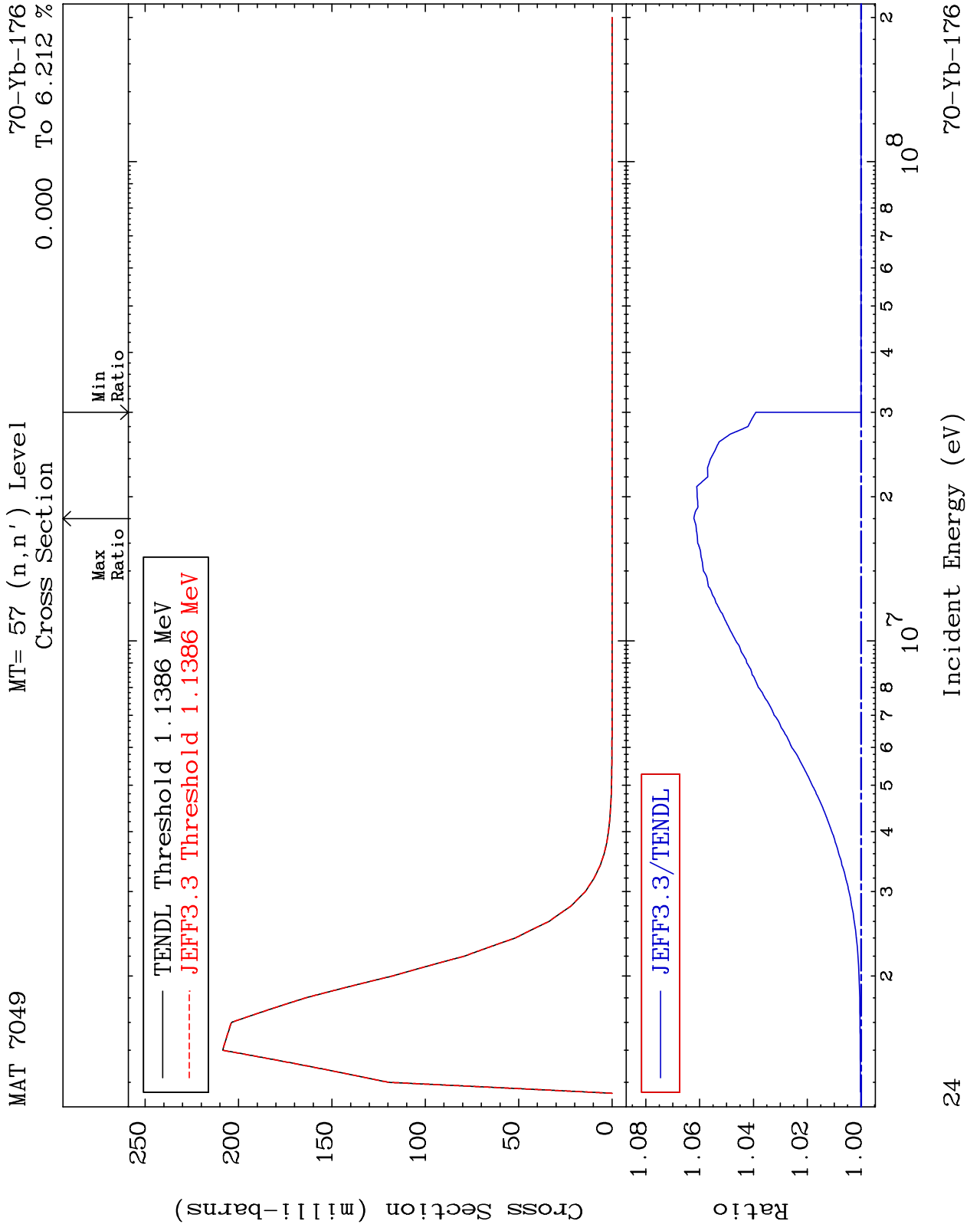


22

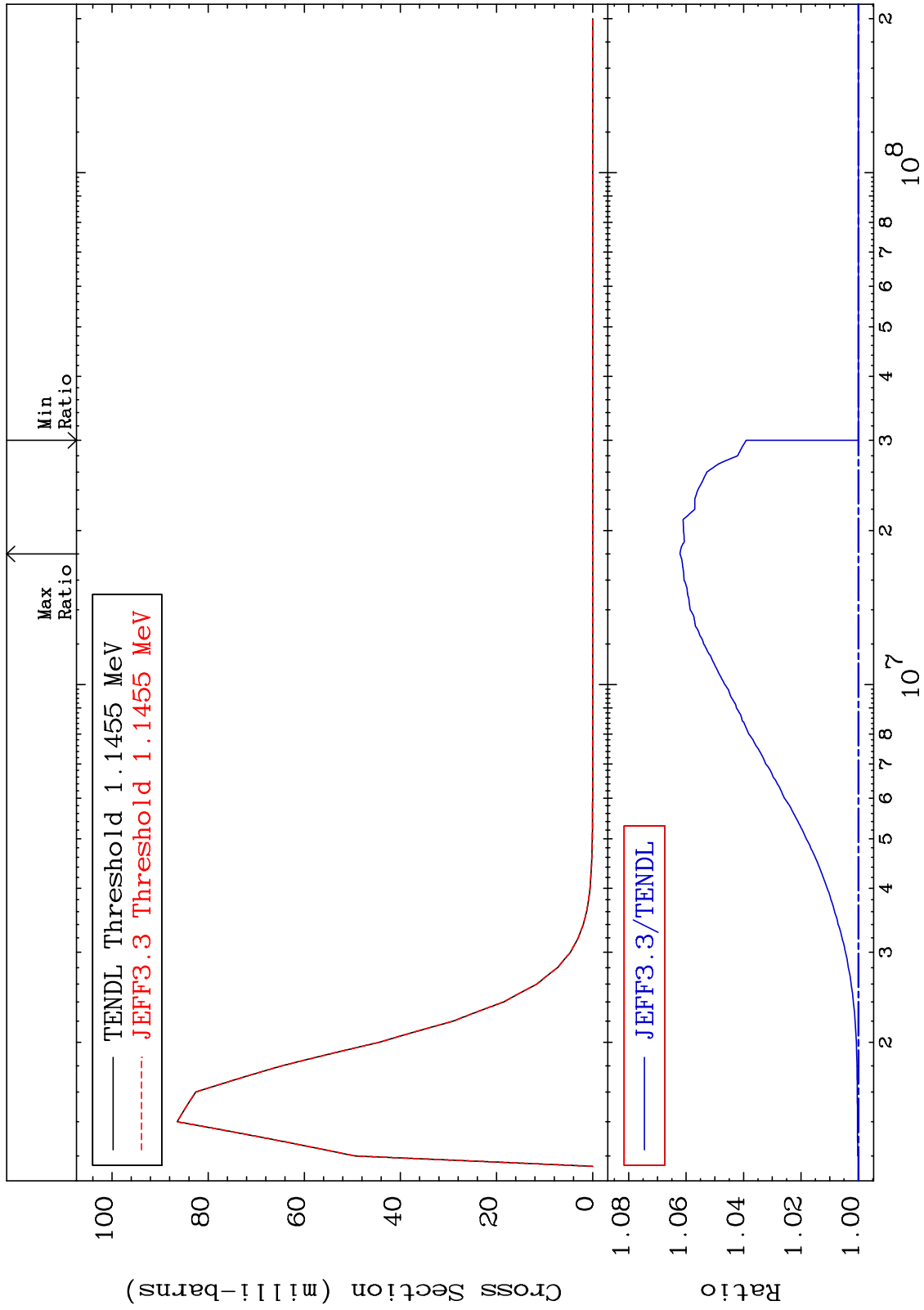
Incident Energy (eV)

70-Yb-176





MAT 7049 MT= 58 (n, n') Level Cross Section 70-Yb-176 To 6.214 %

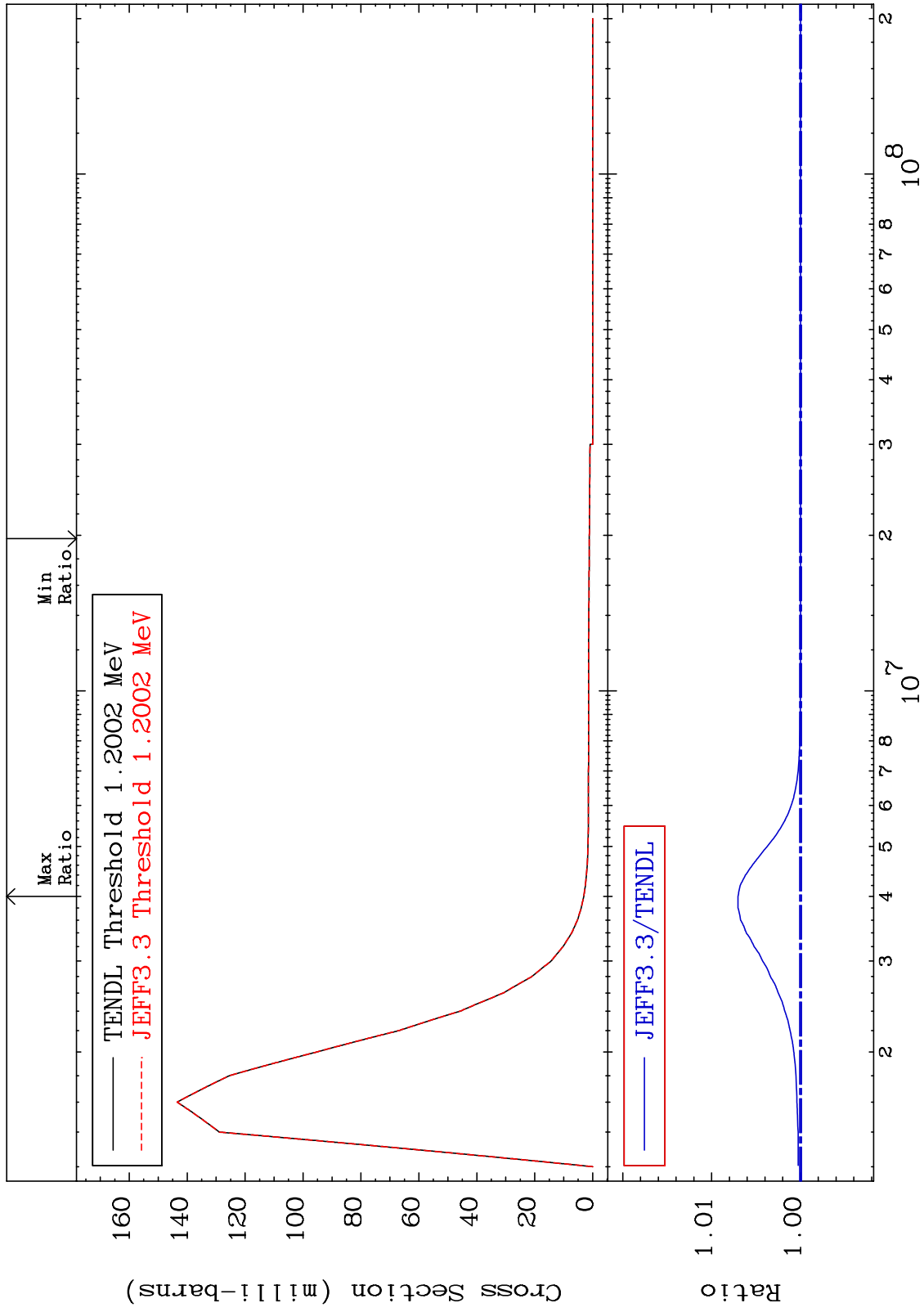


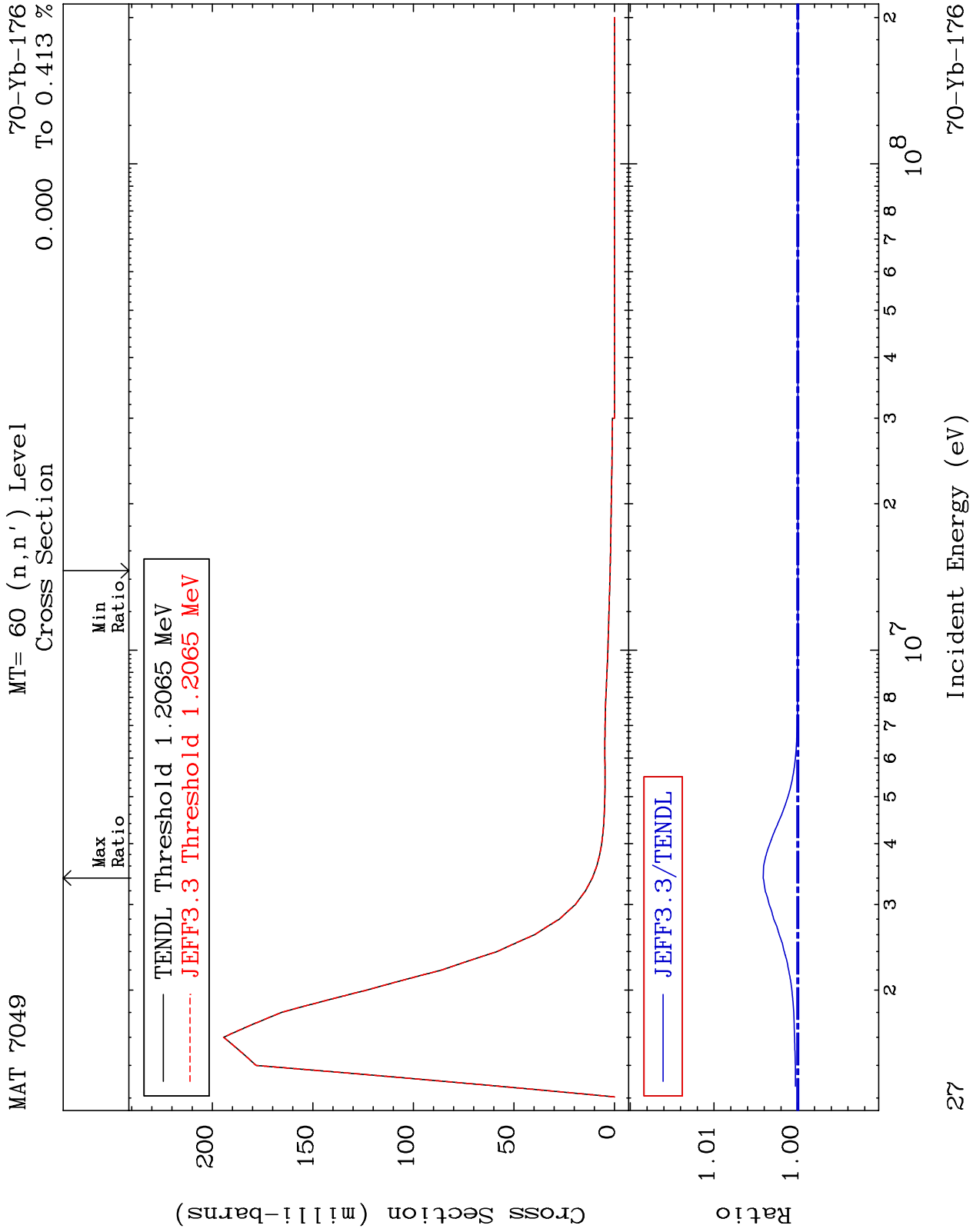
MAT 7049

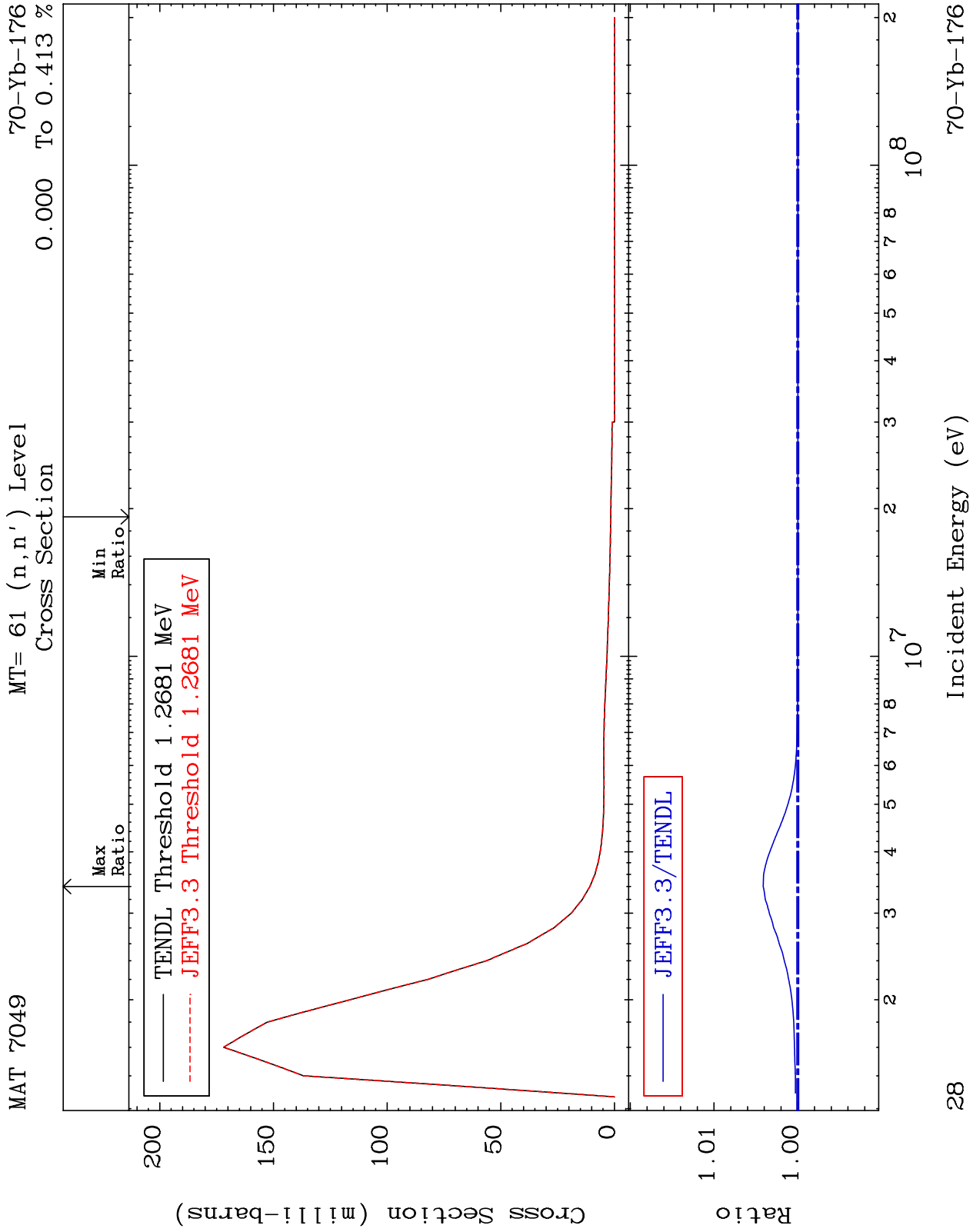
MT= 59 (n, n') Level

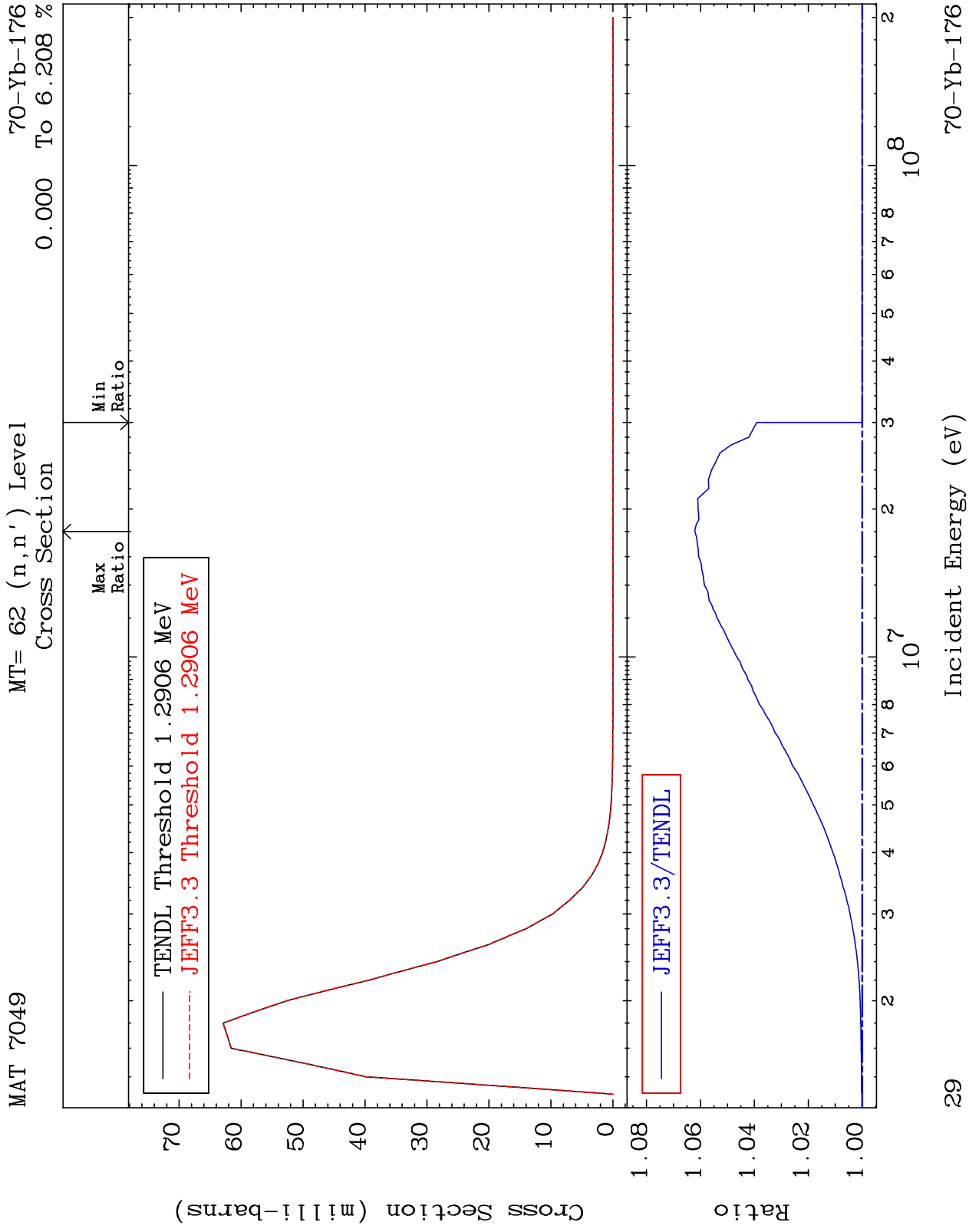
70-Yb-176

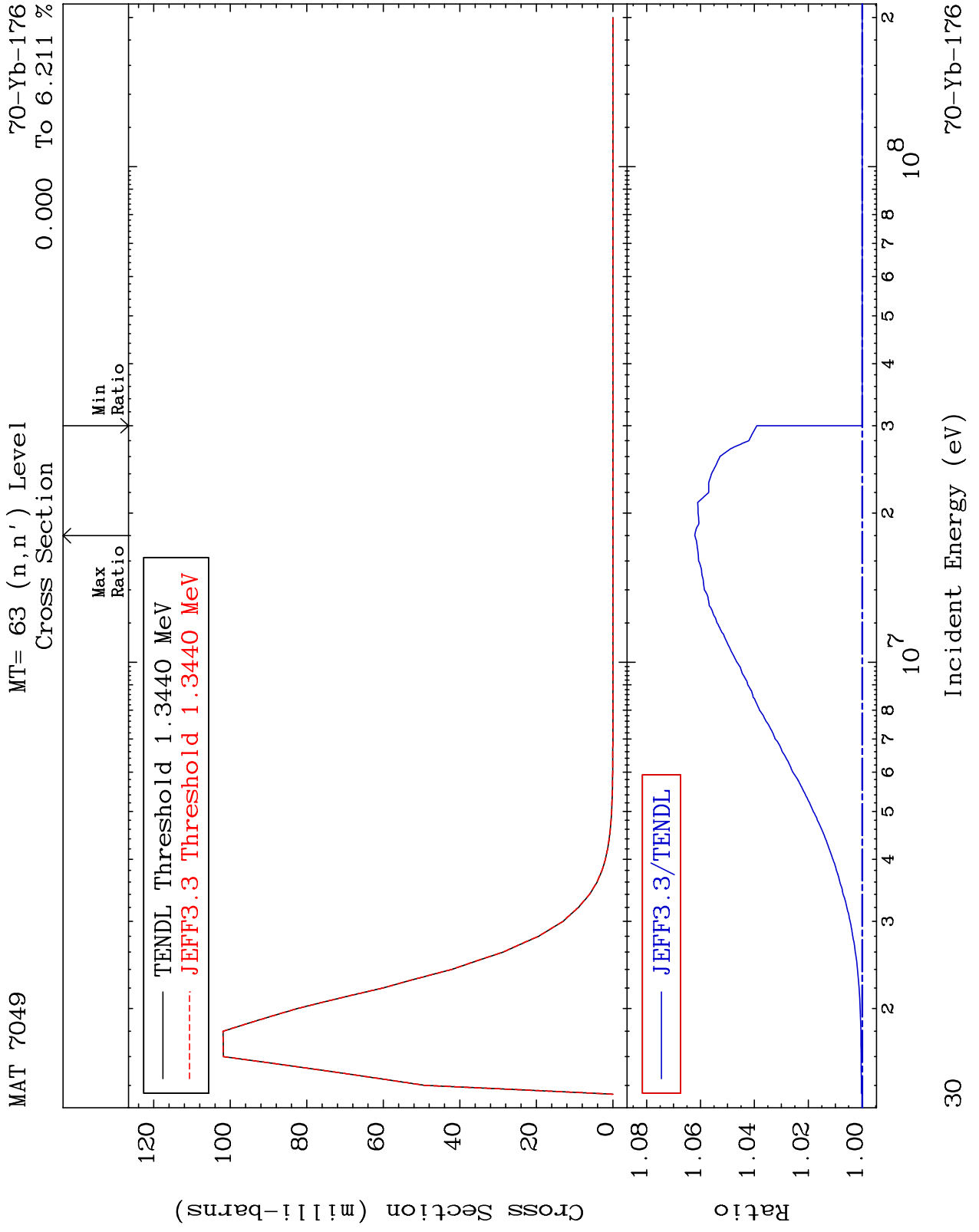
Cross Section 0.000 To 0.703 %

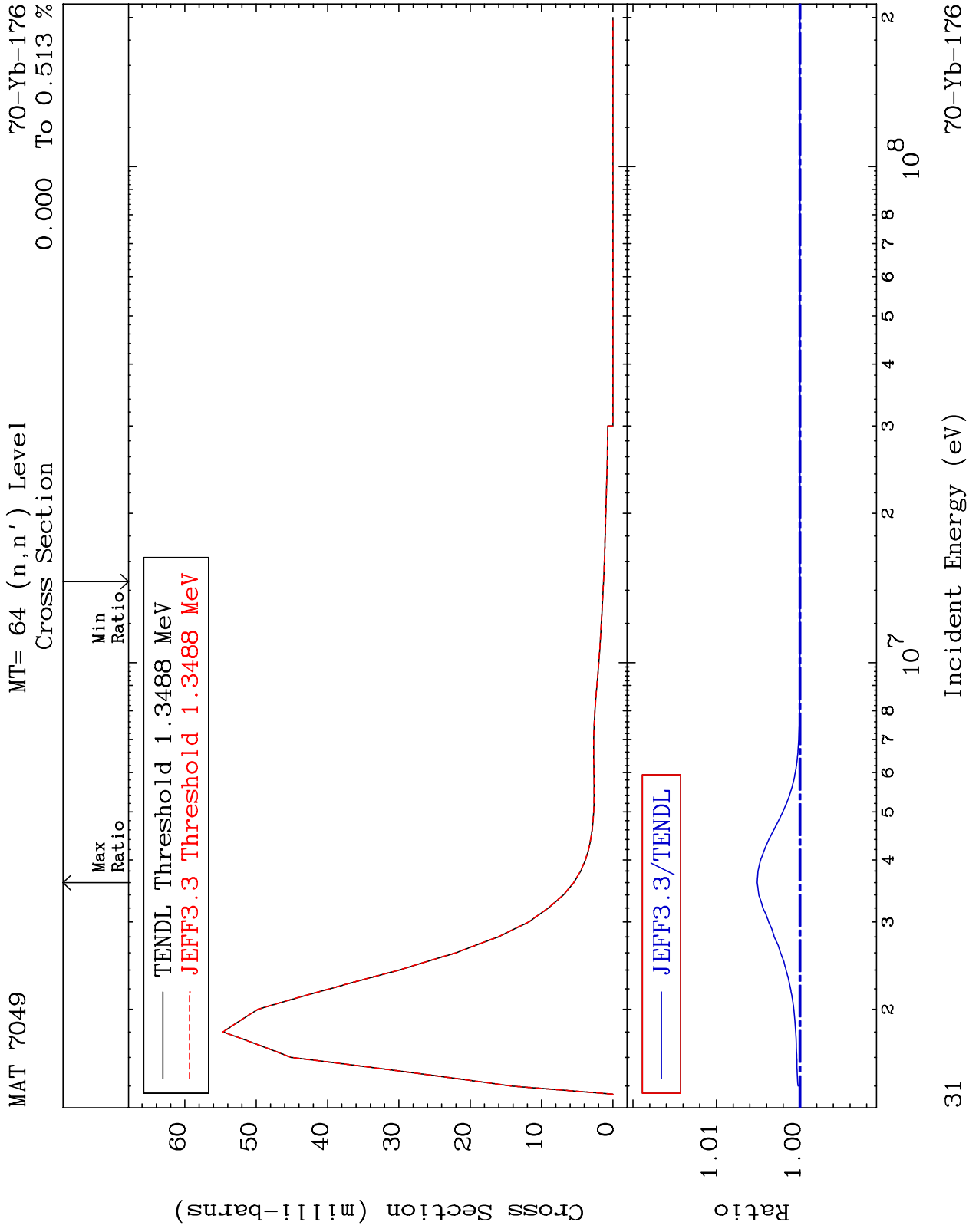


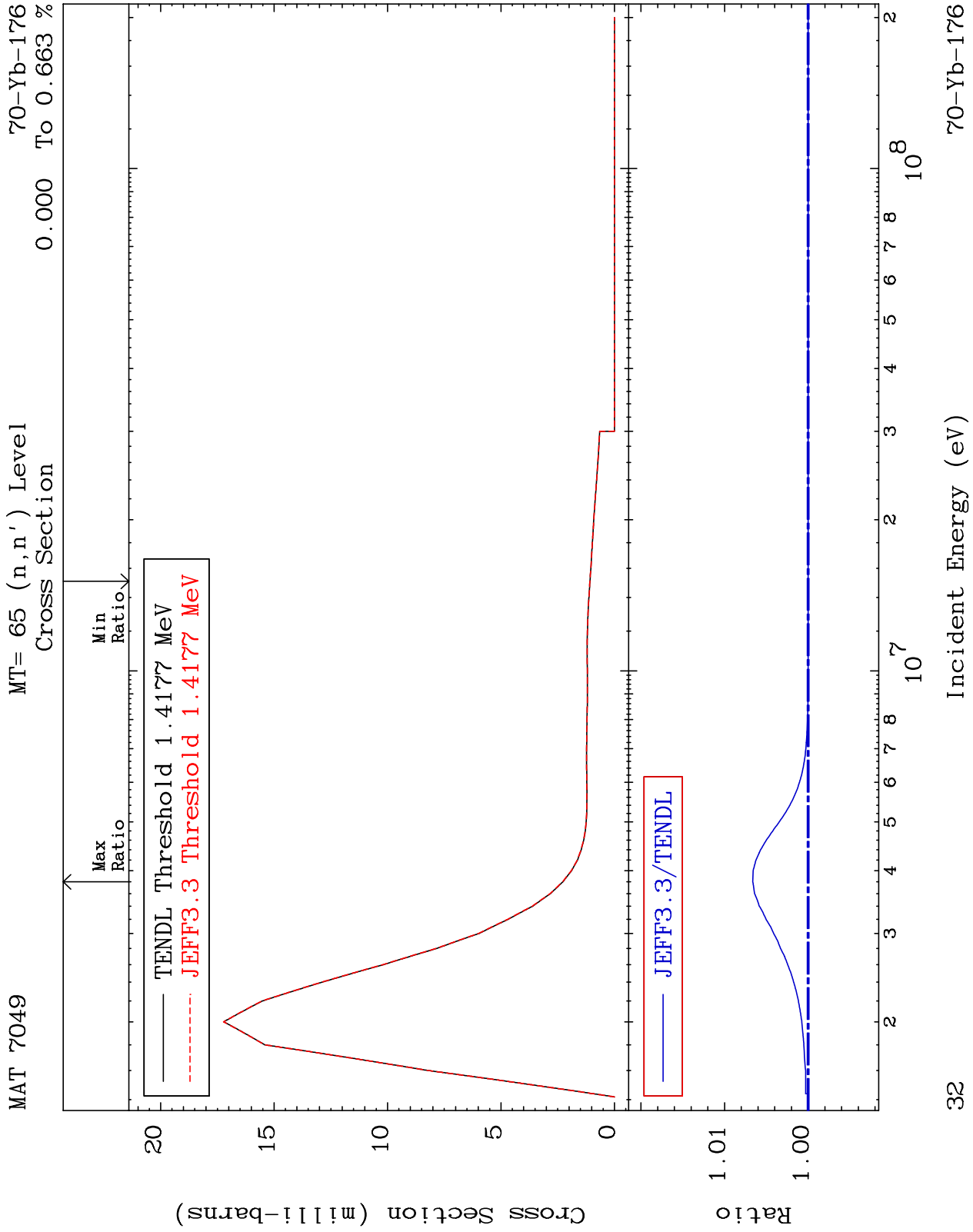








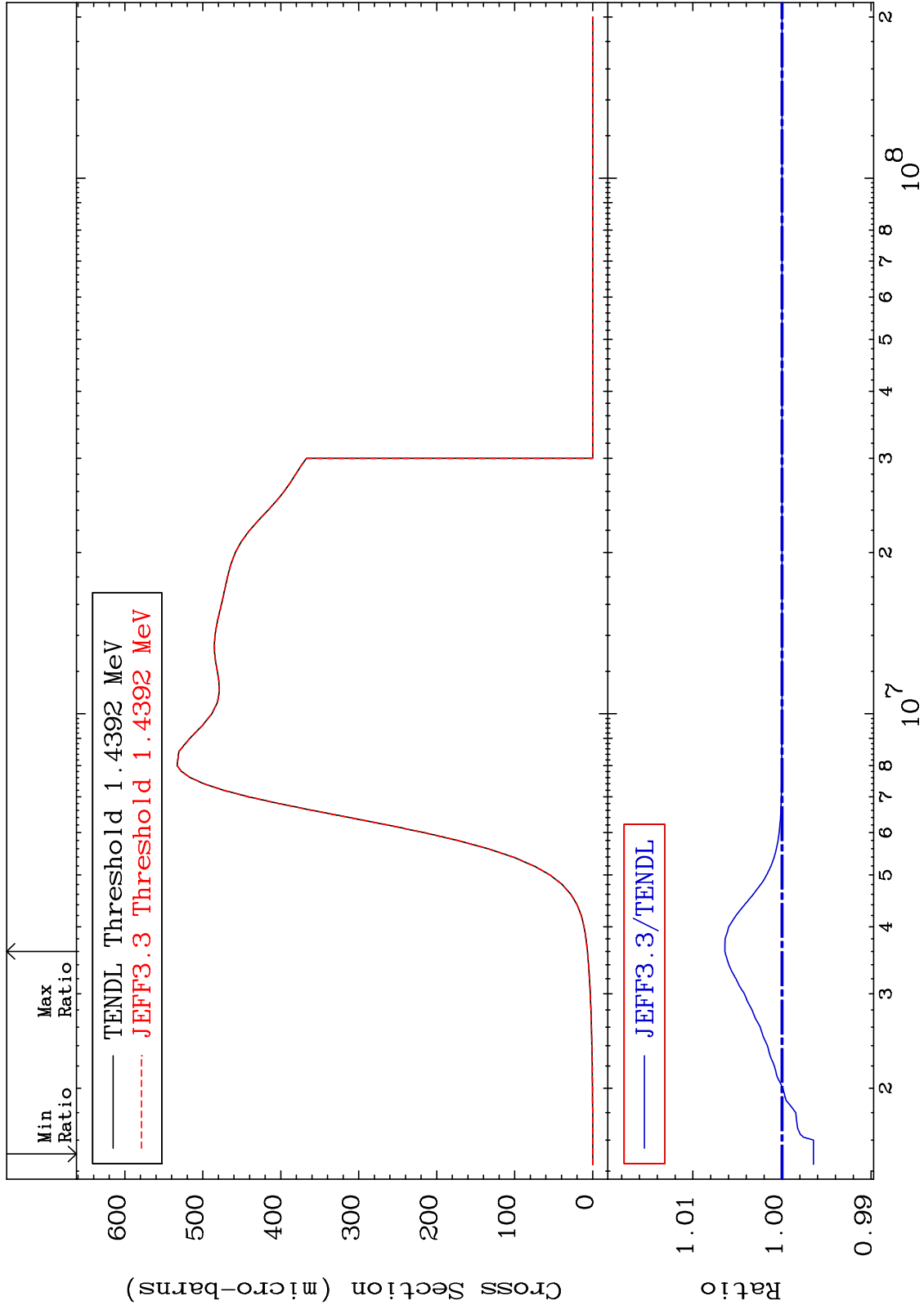


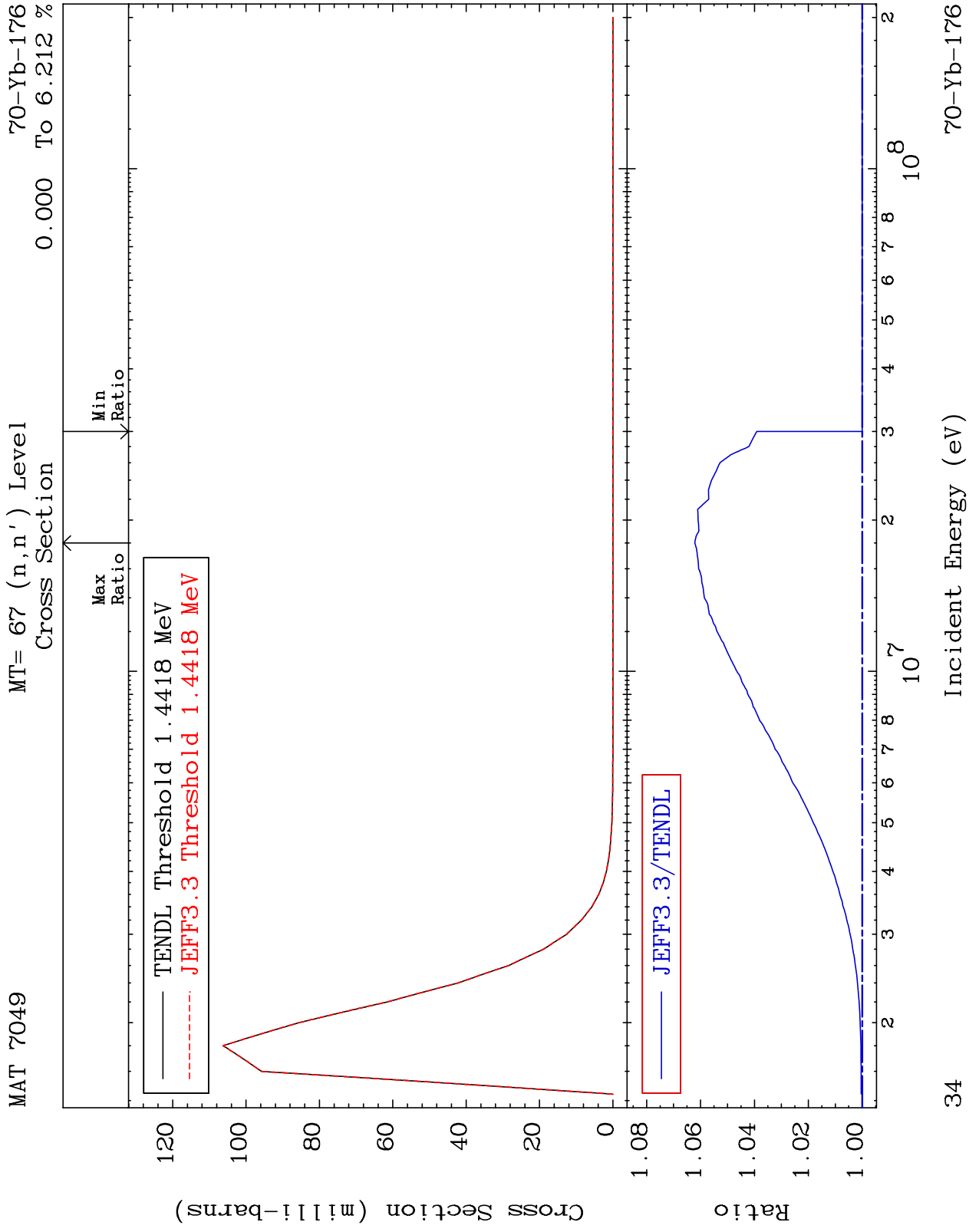


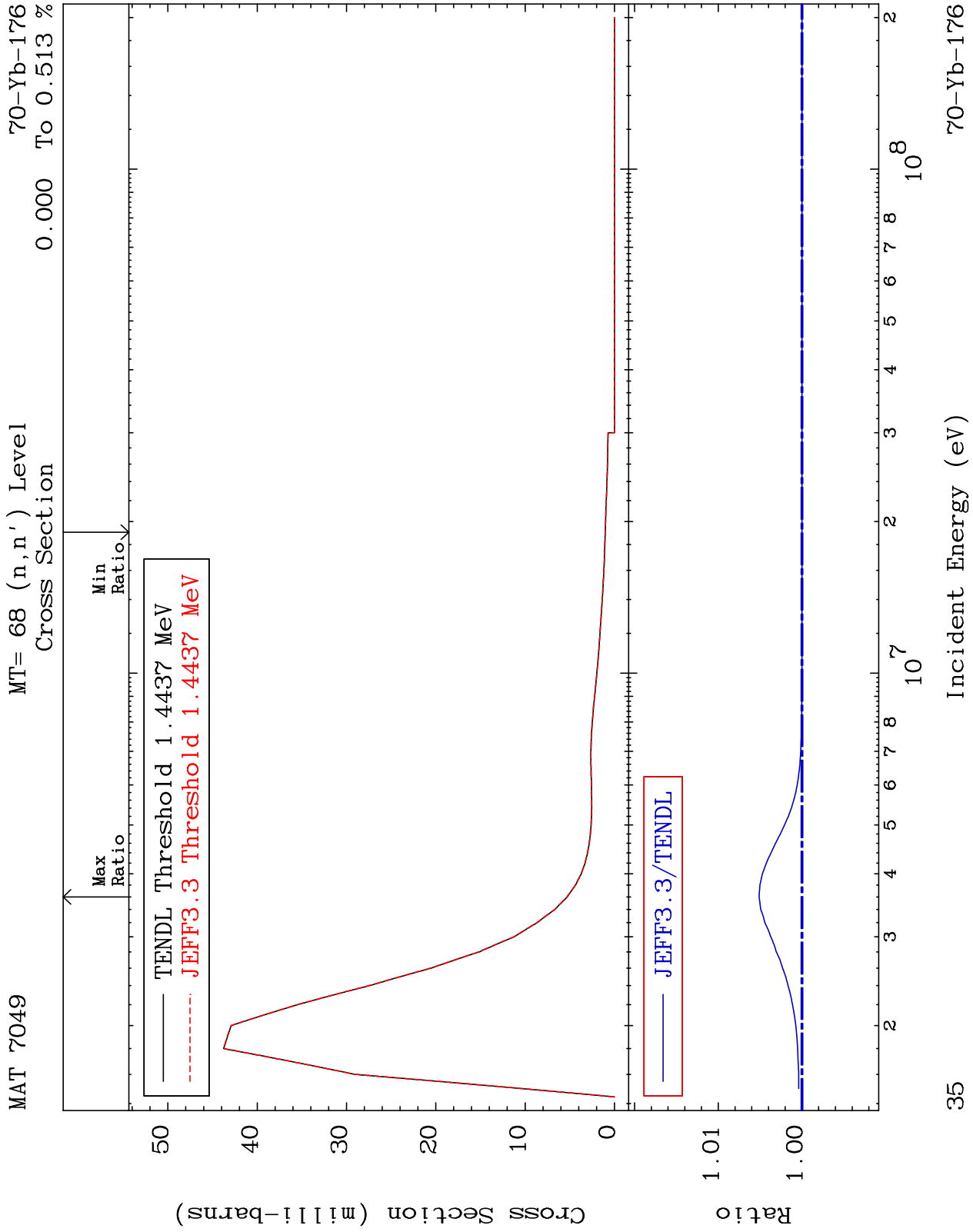
MAT 7049

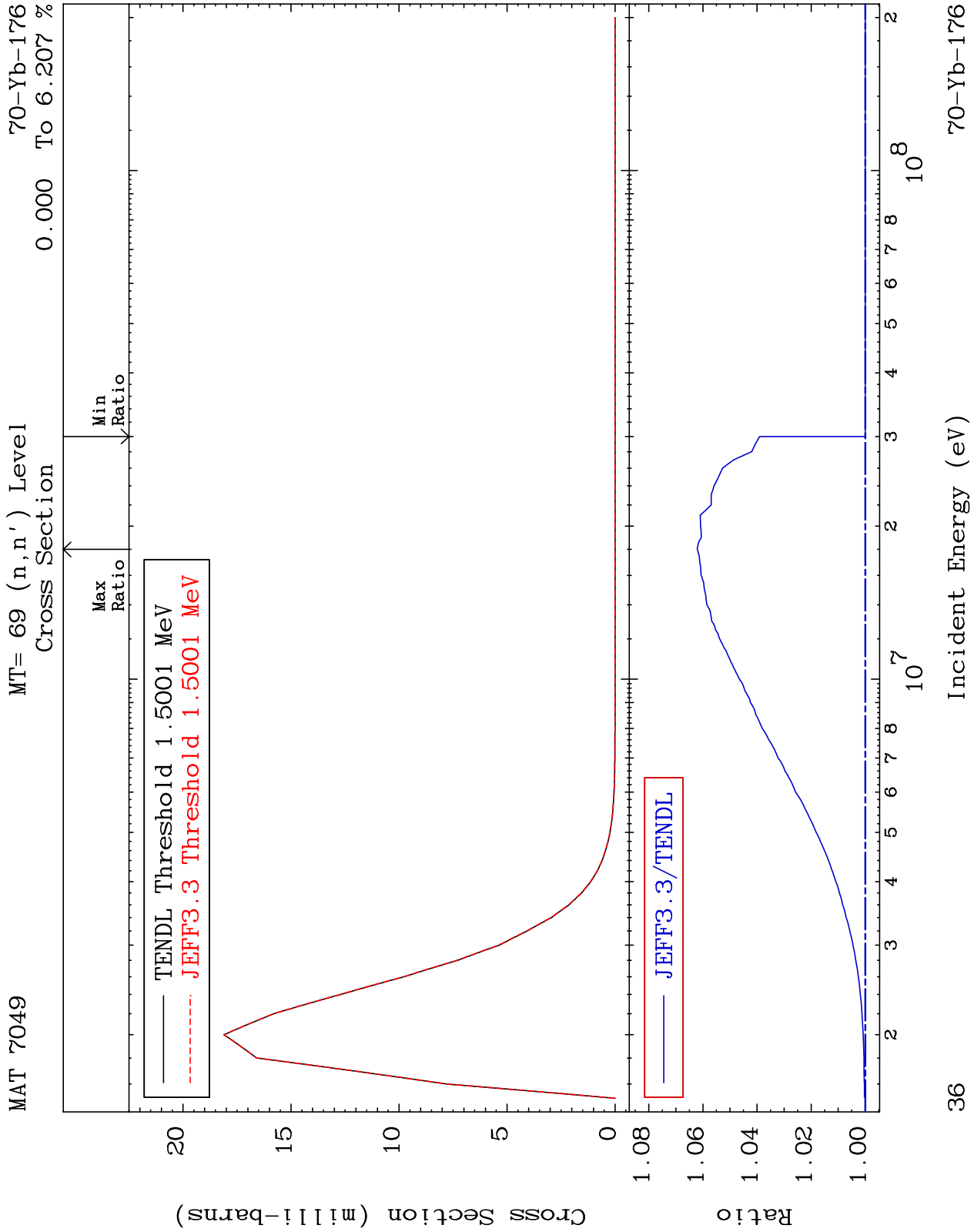
MT= 66 (n,n') Level
Cross Section

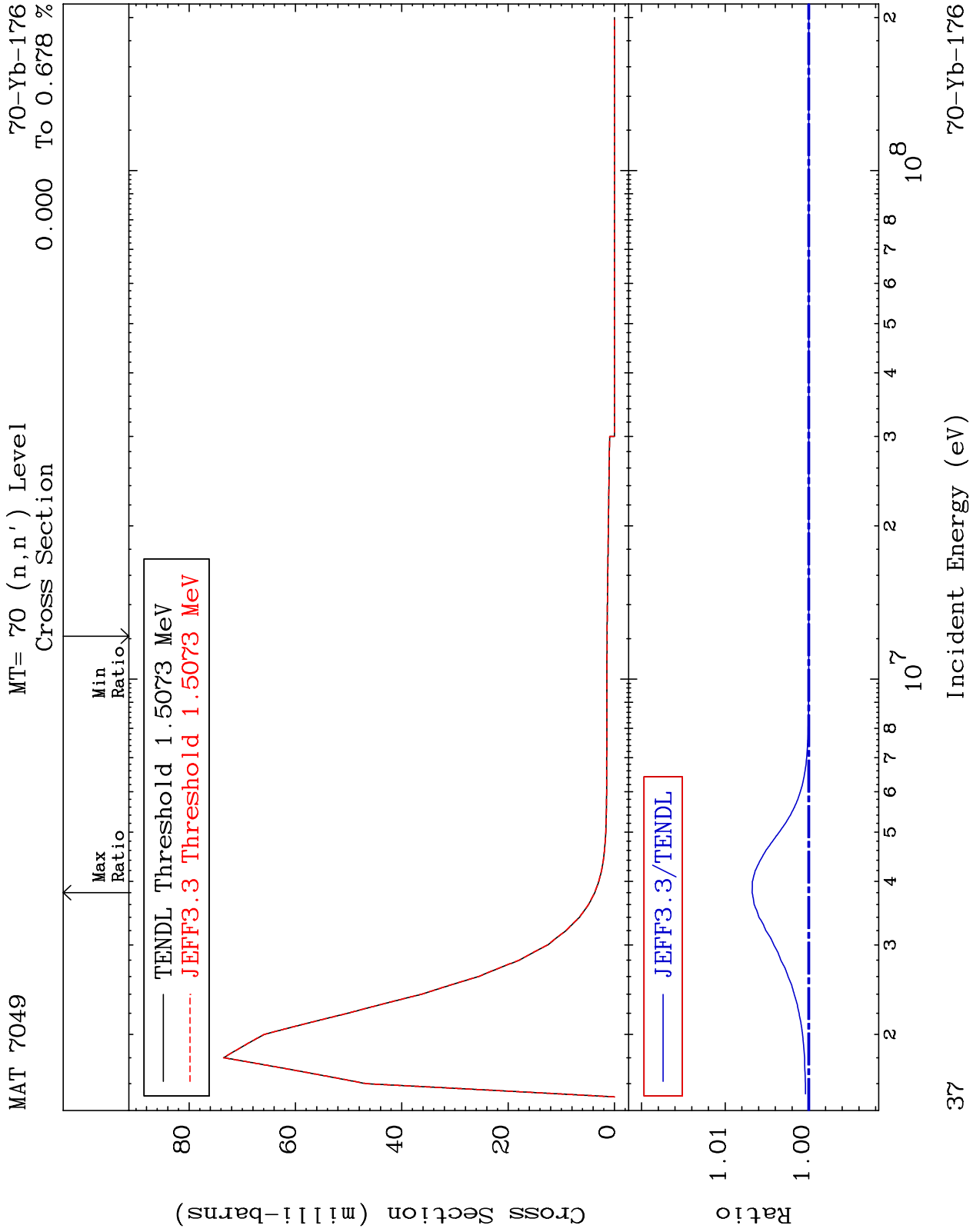
70-Yb-176
-0.354 To 0.641 %

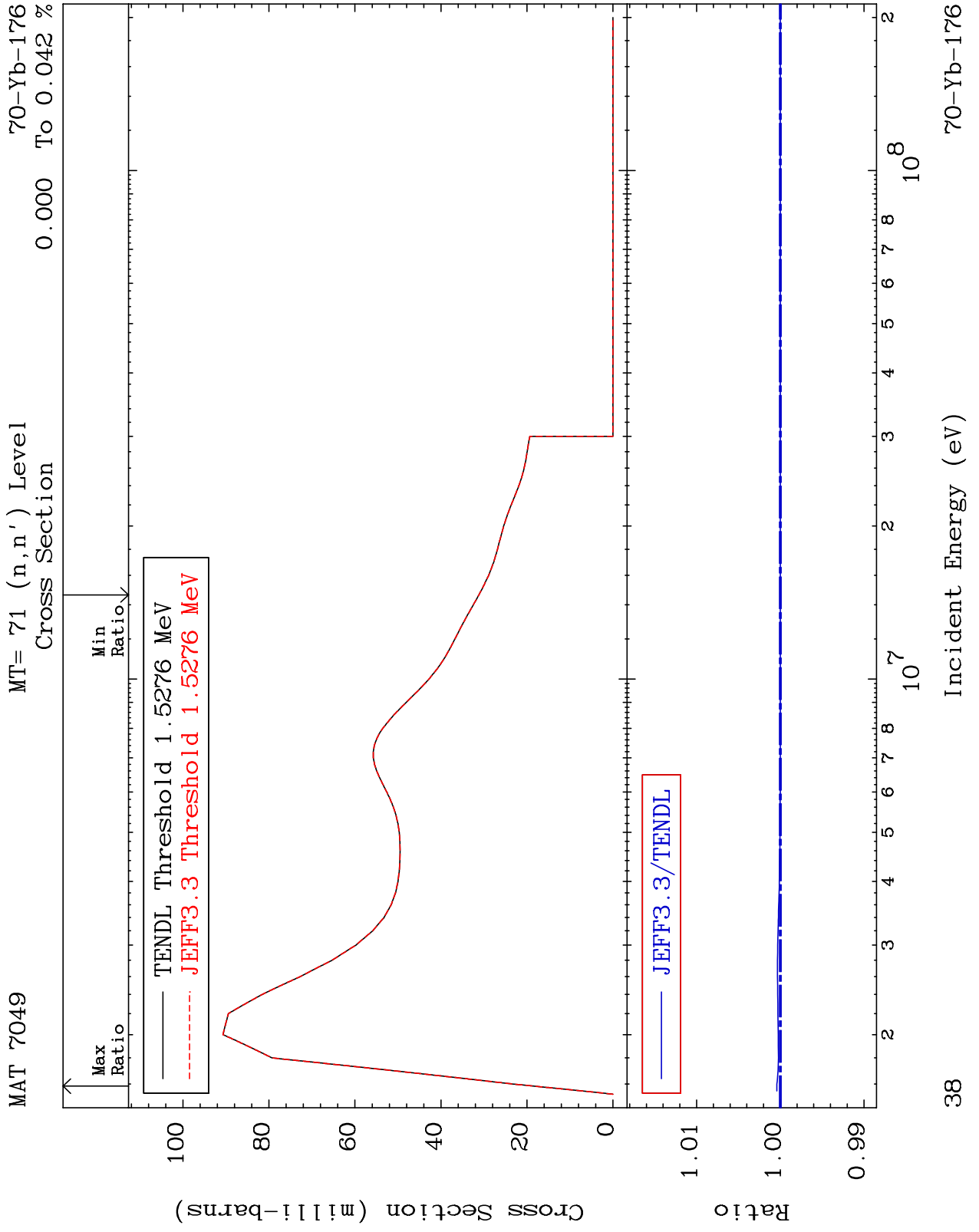


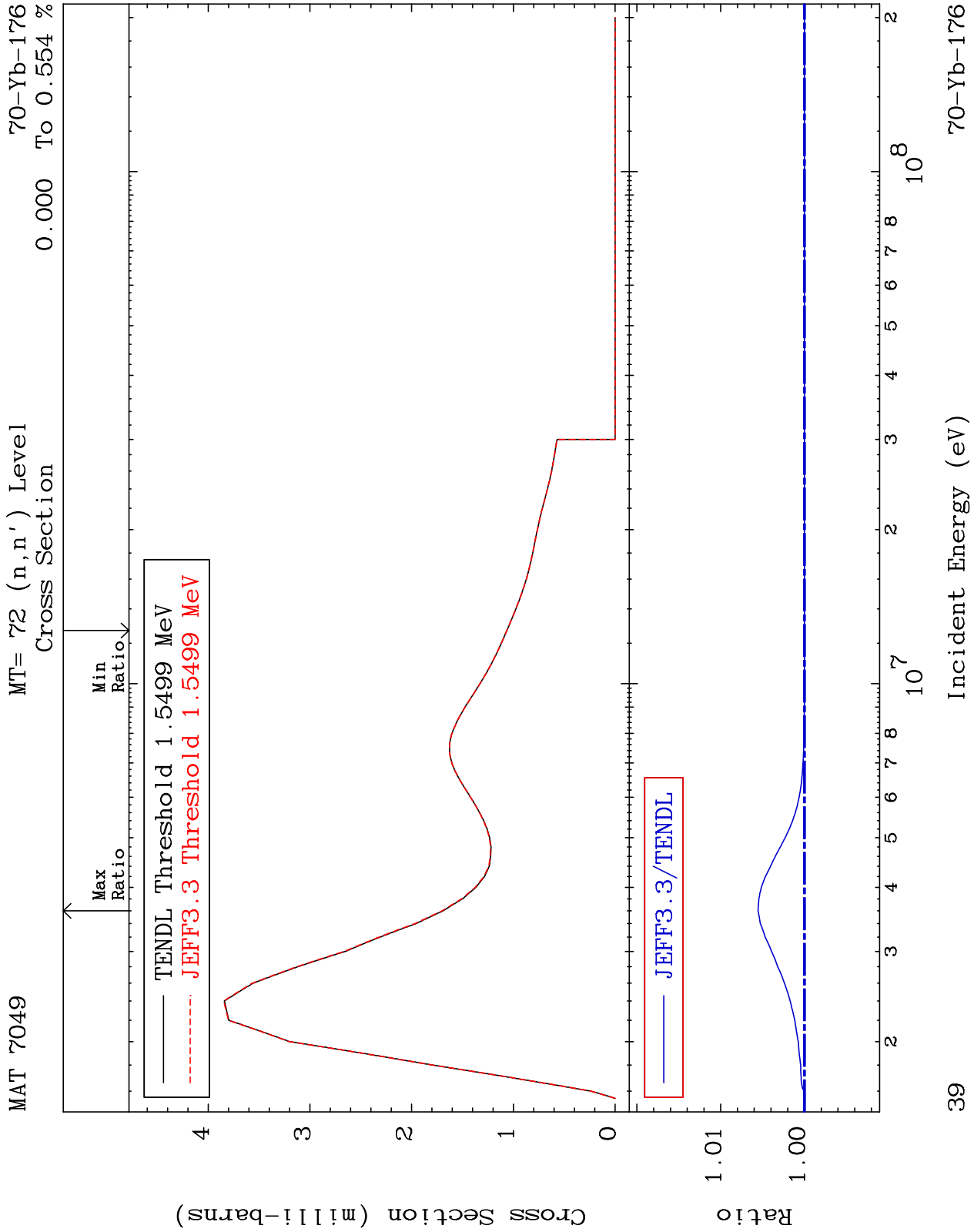


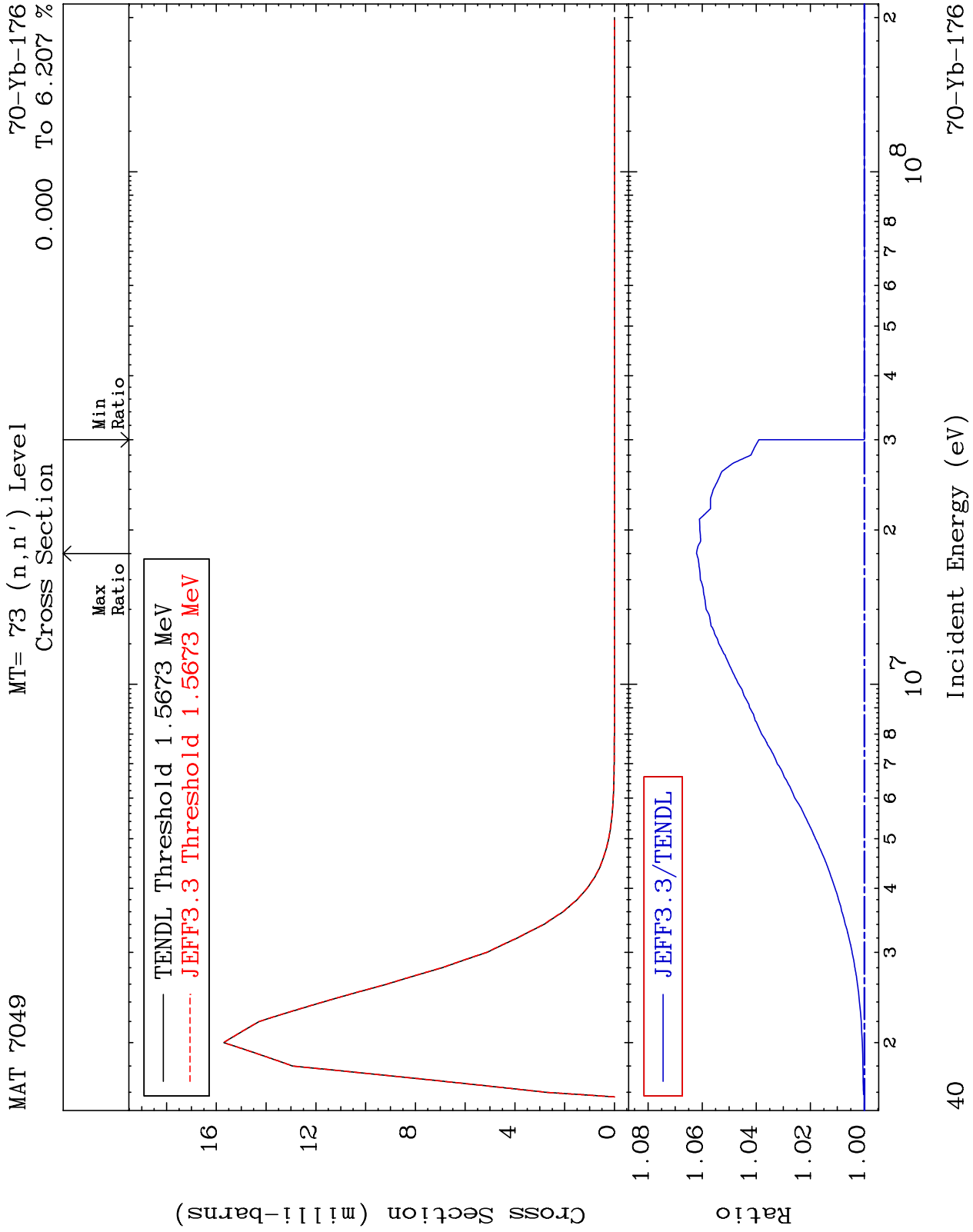


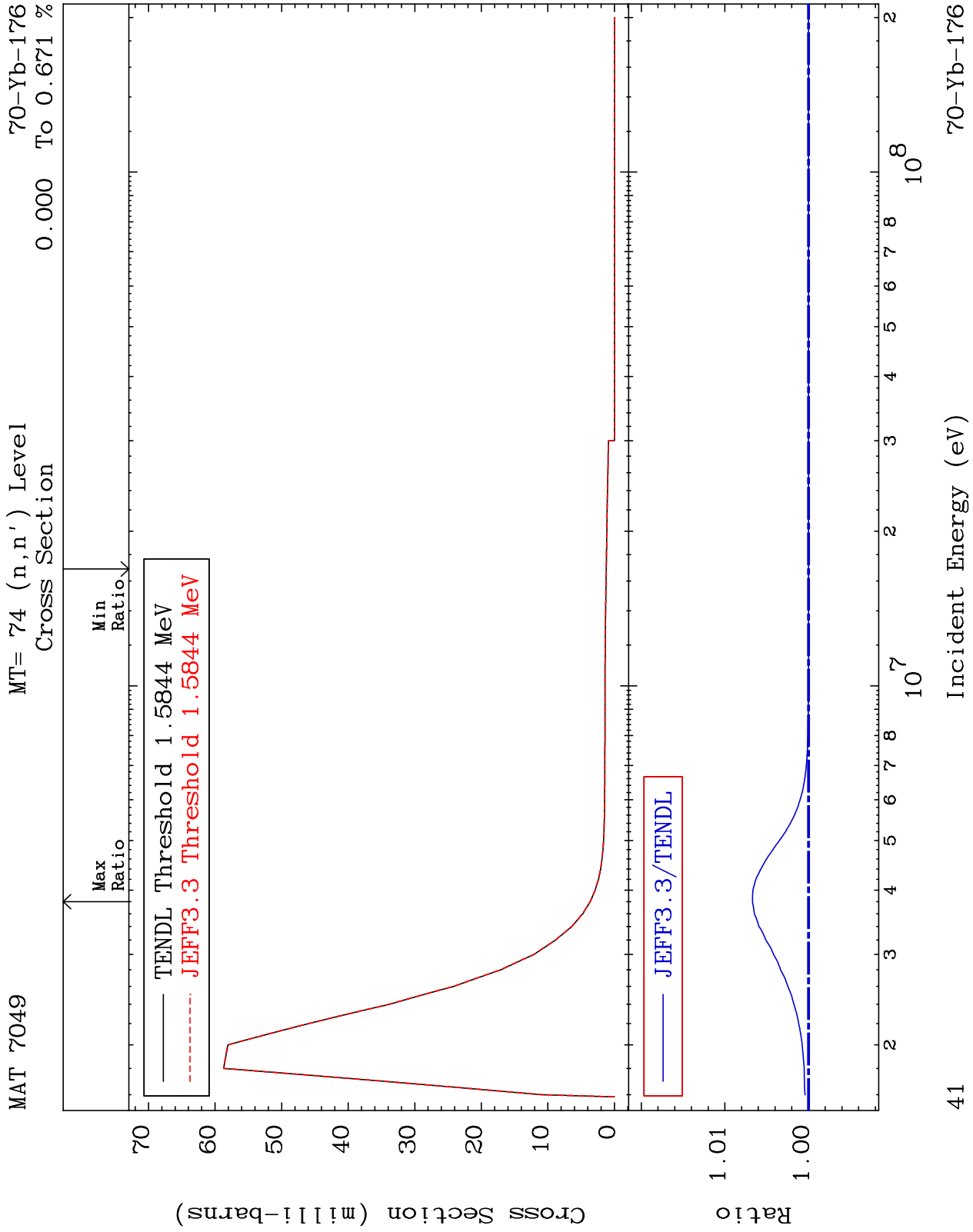


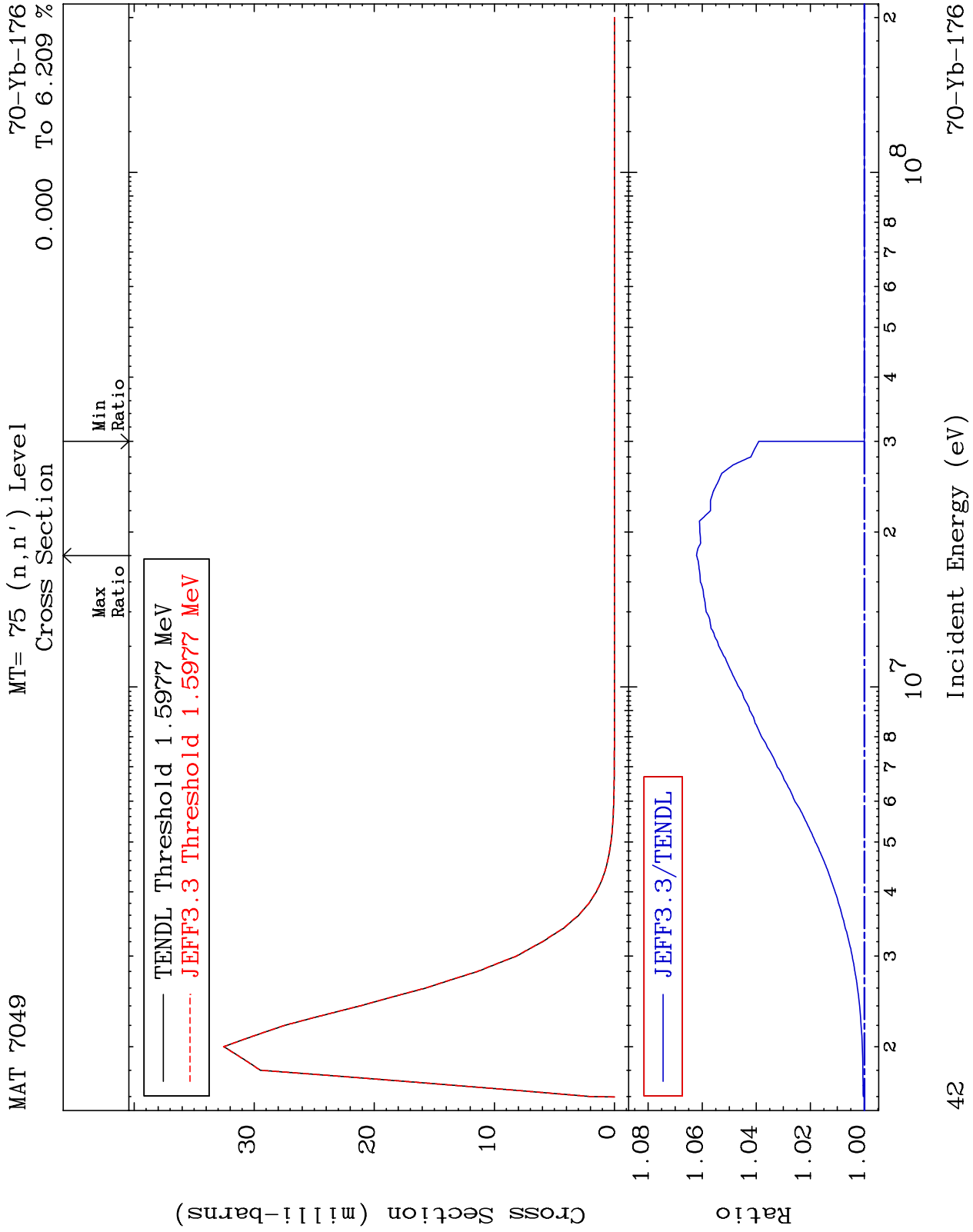








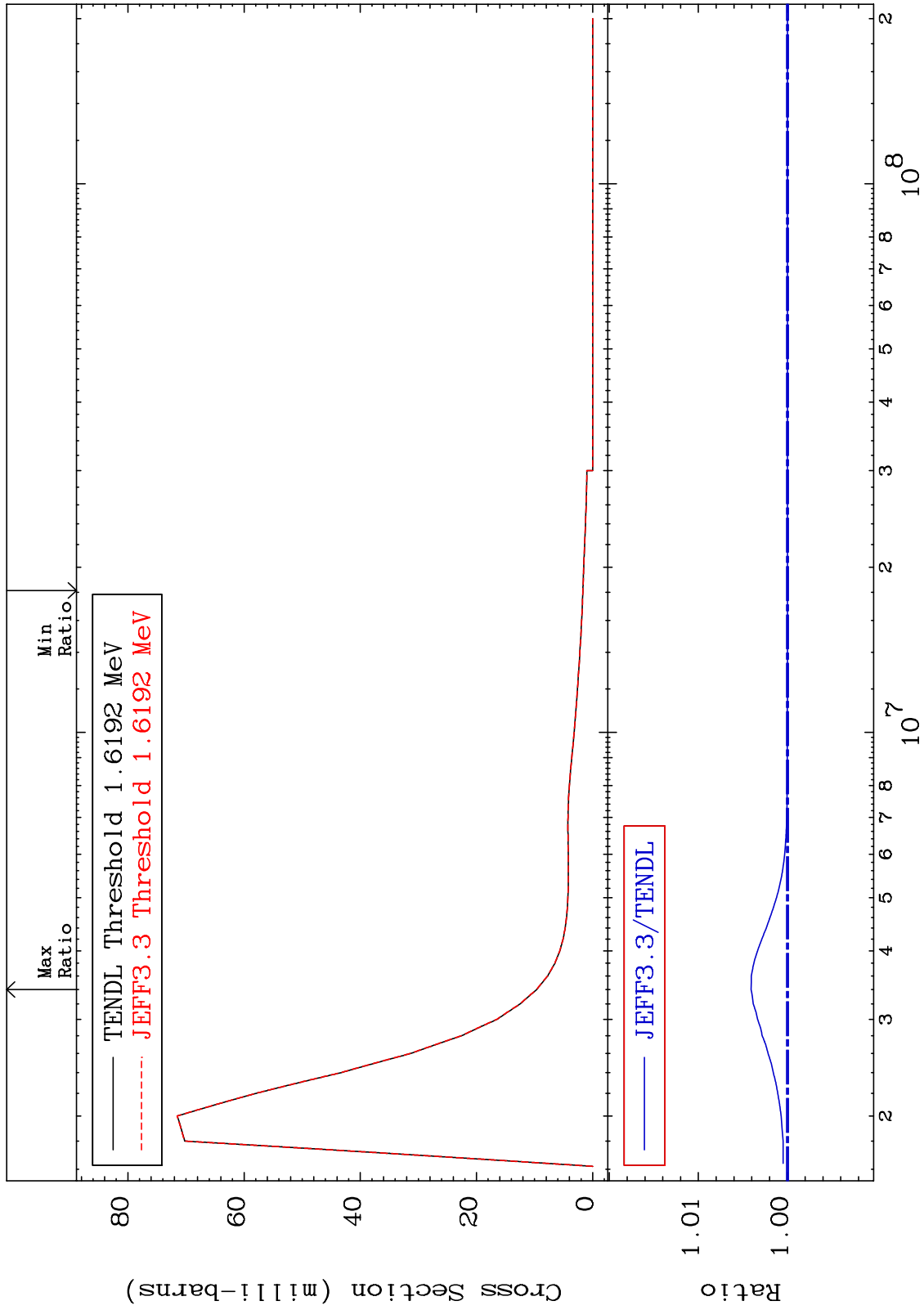


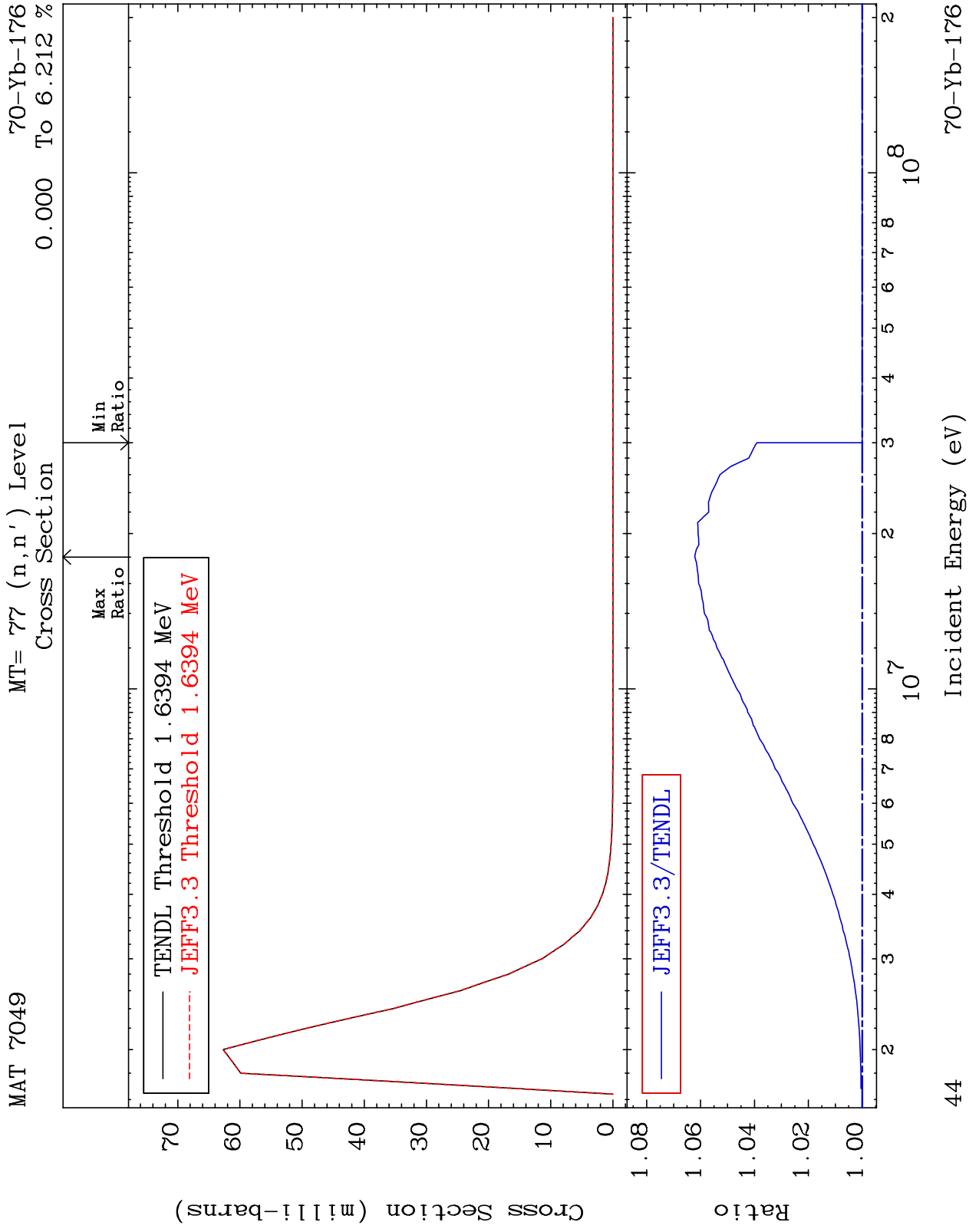


MAT 7049

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

70-Yb-176
0.000 To 0.408 %

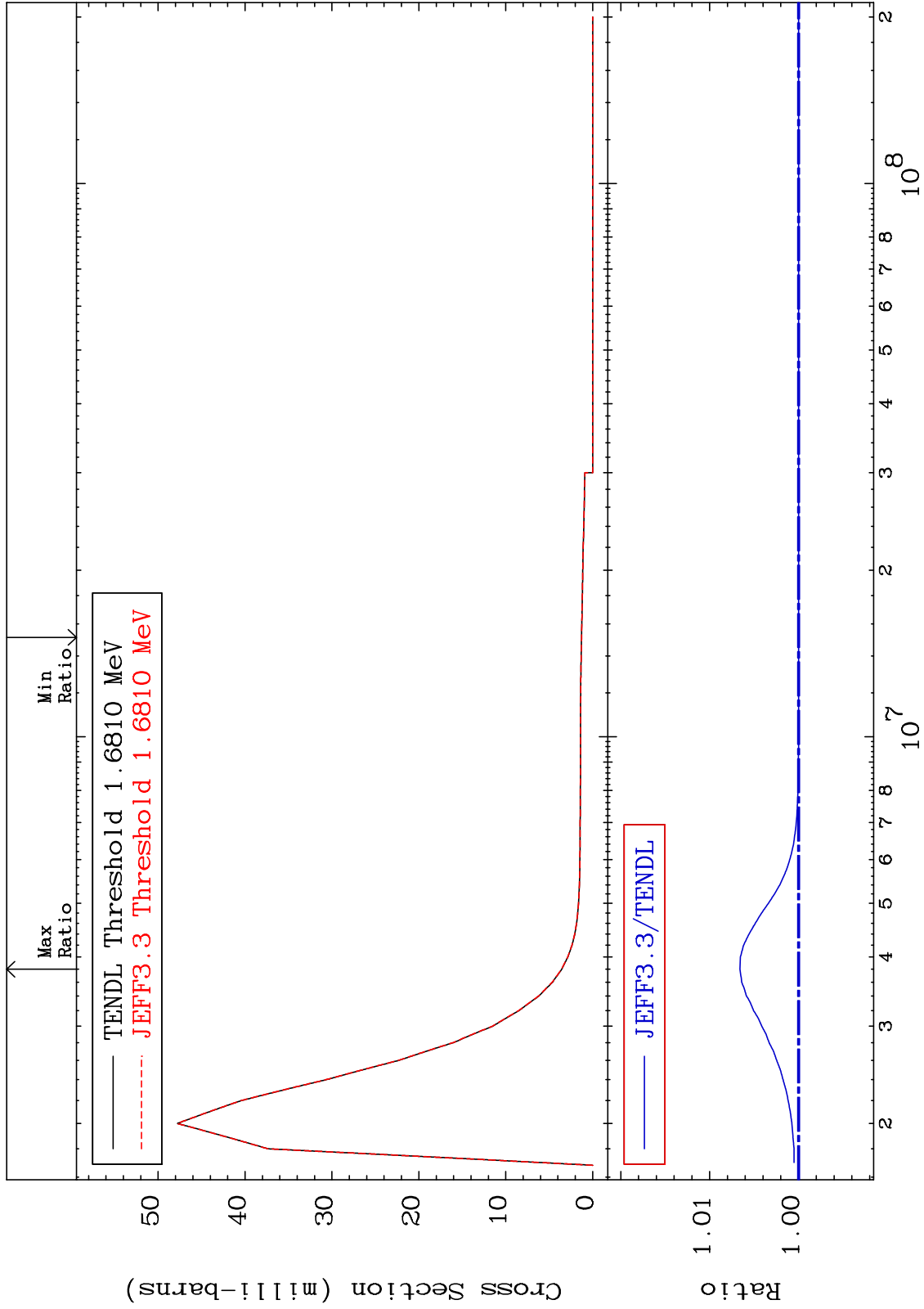


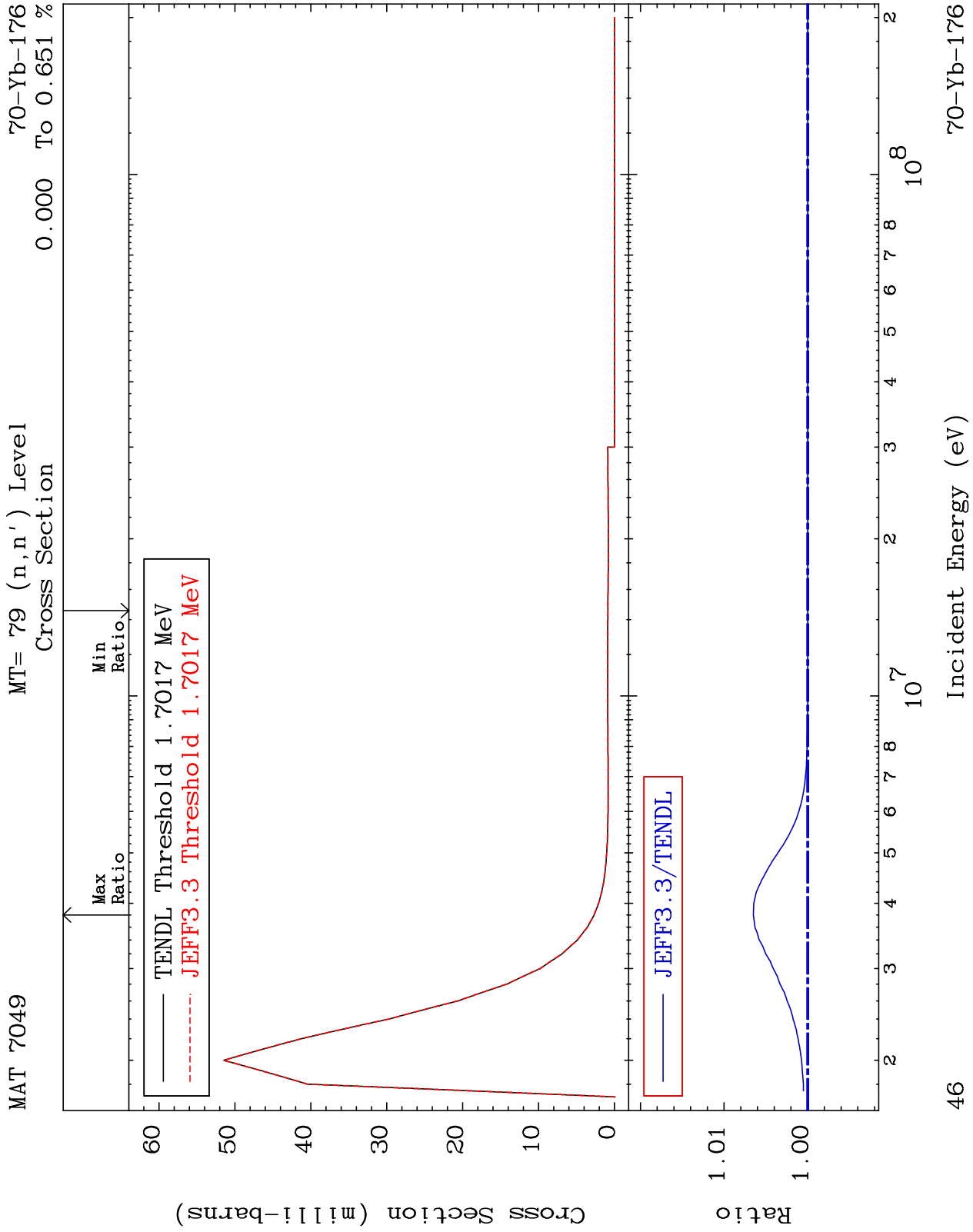


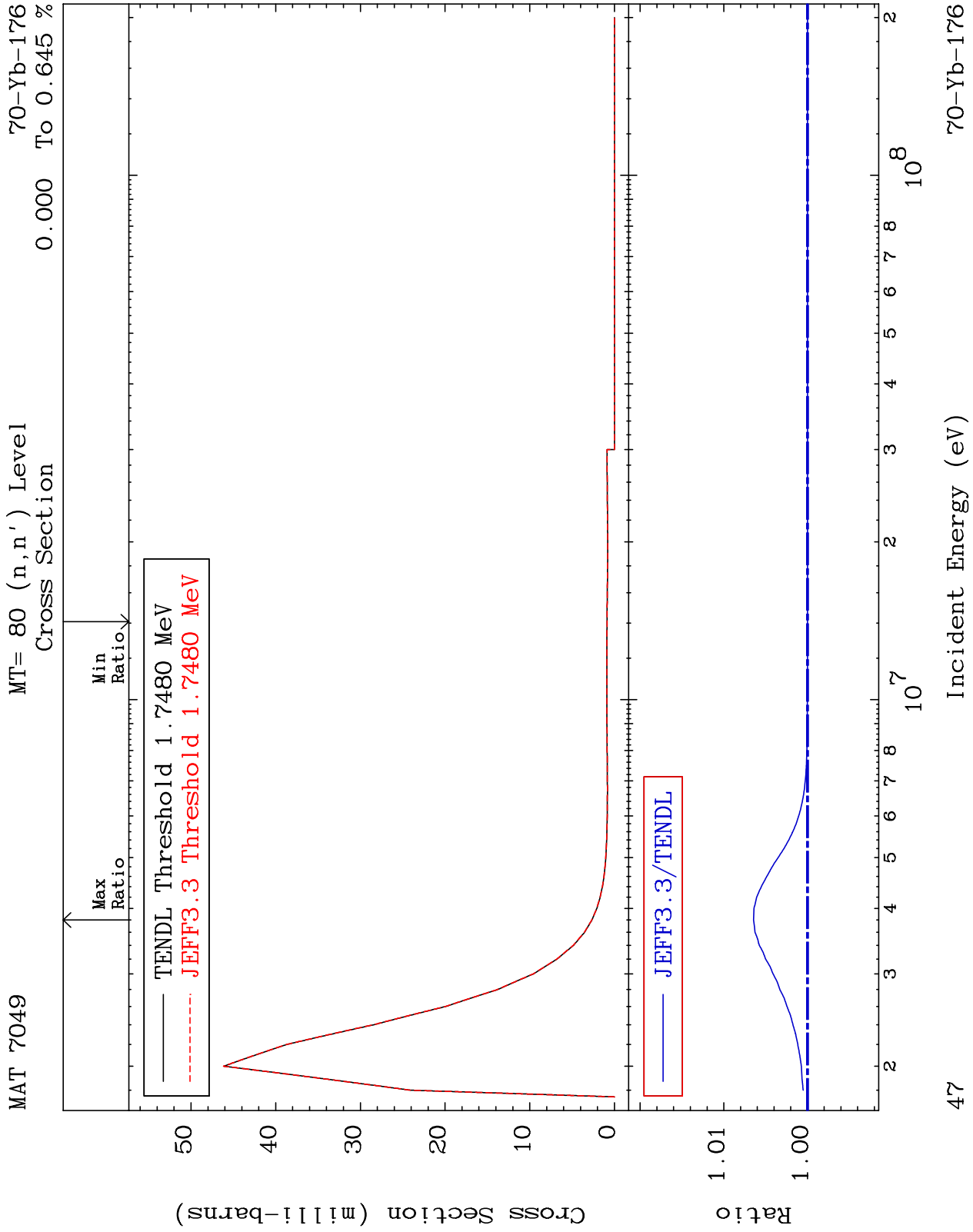
MAT 7049

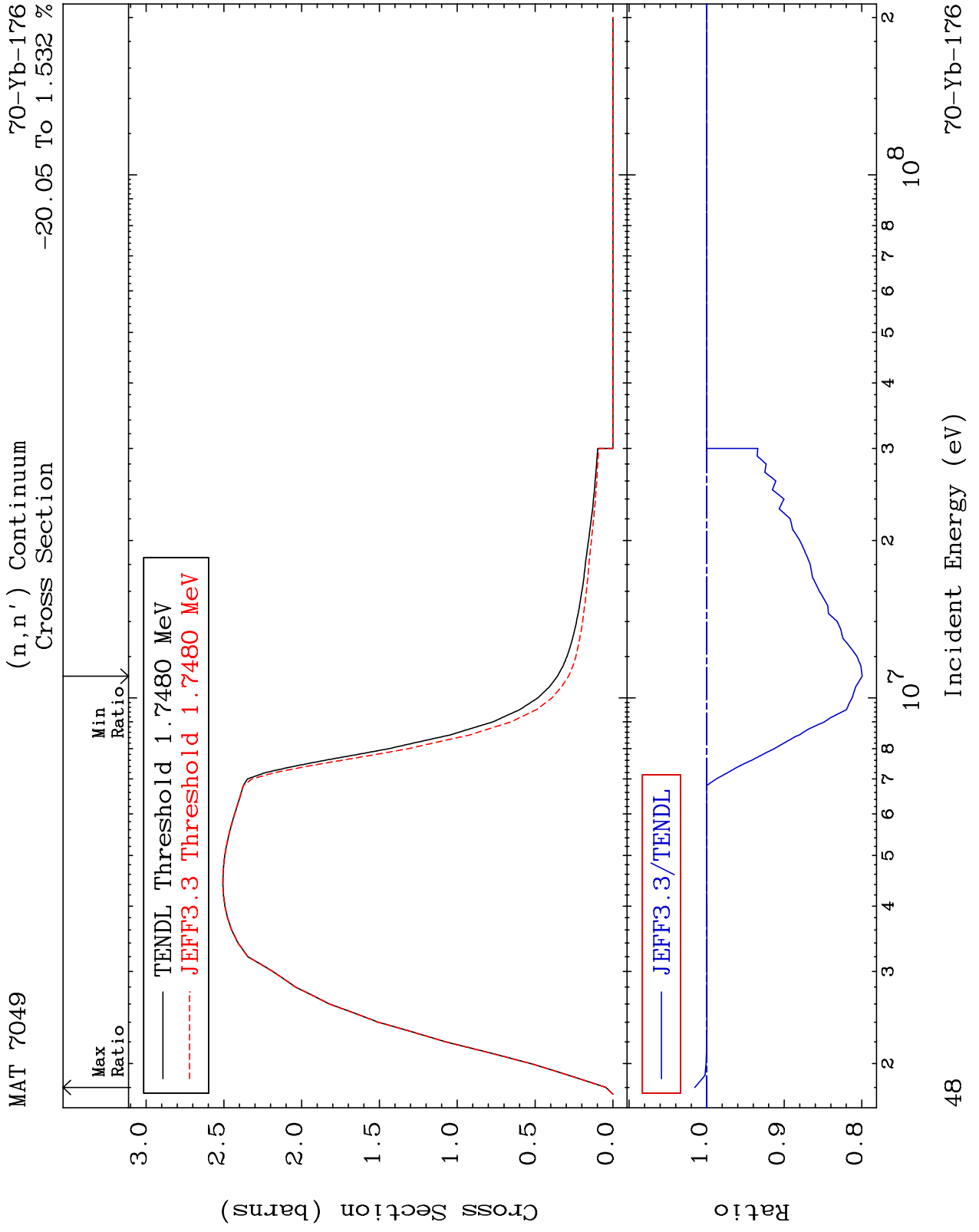
MT= 78 (n,n') Level
Cross Section

70-Yb-176
0.000 To 0.661 %





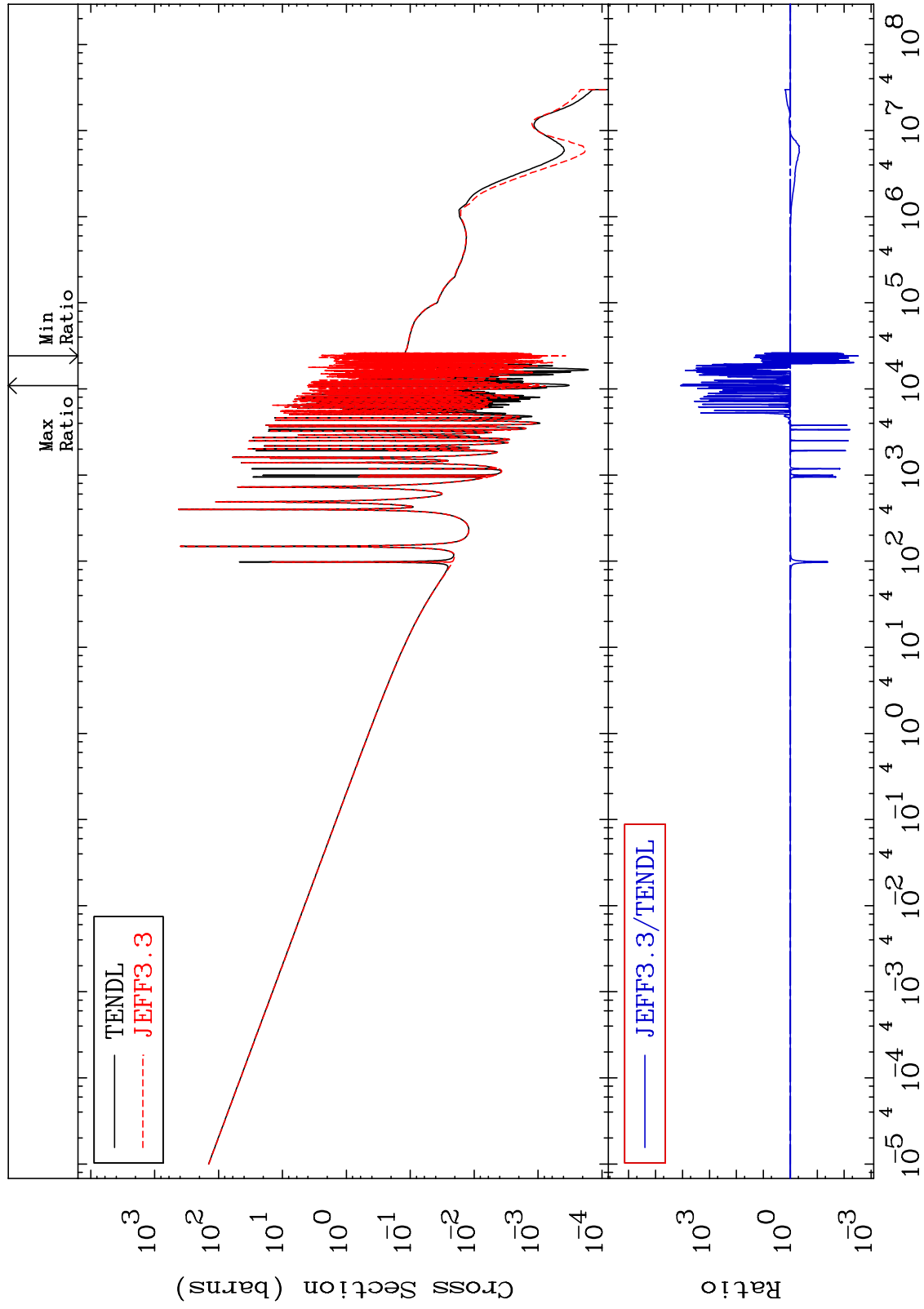




MAT 7049

(n, γ)
Cross Section

70-Yb-176
-99.71 To 9999. %

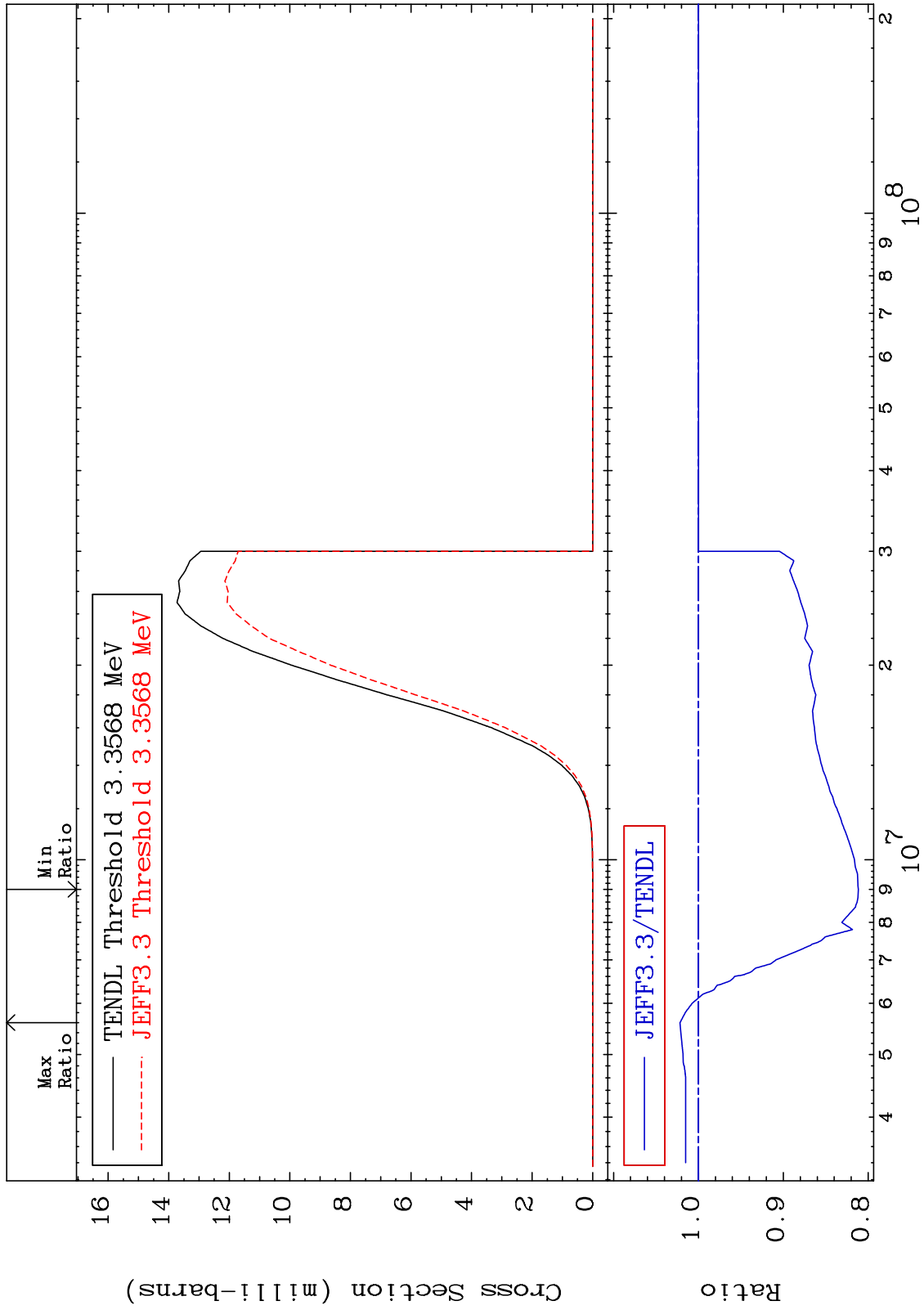


49

Incident Energy (eV)

70-Yb-176

MAT 7049 (n,p) Cross Section 70-Yb-176 -18.85 To 2.171 %



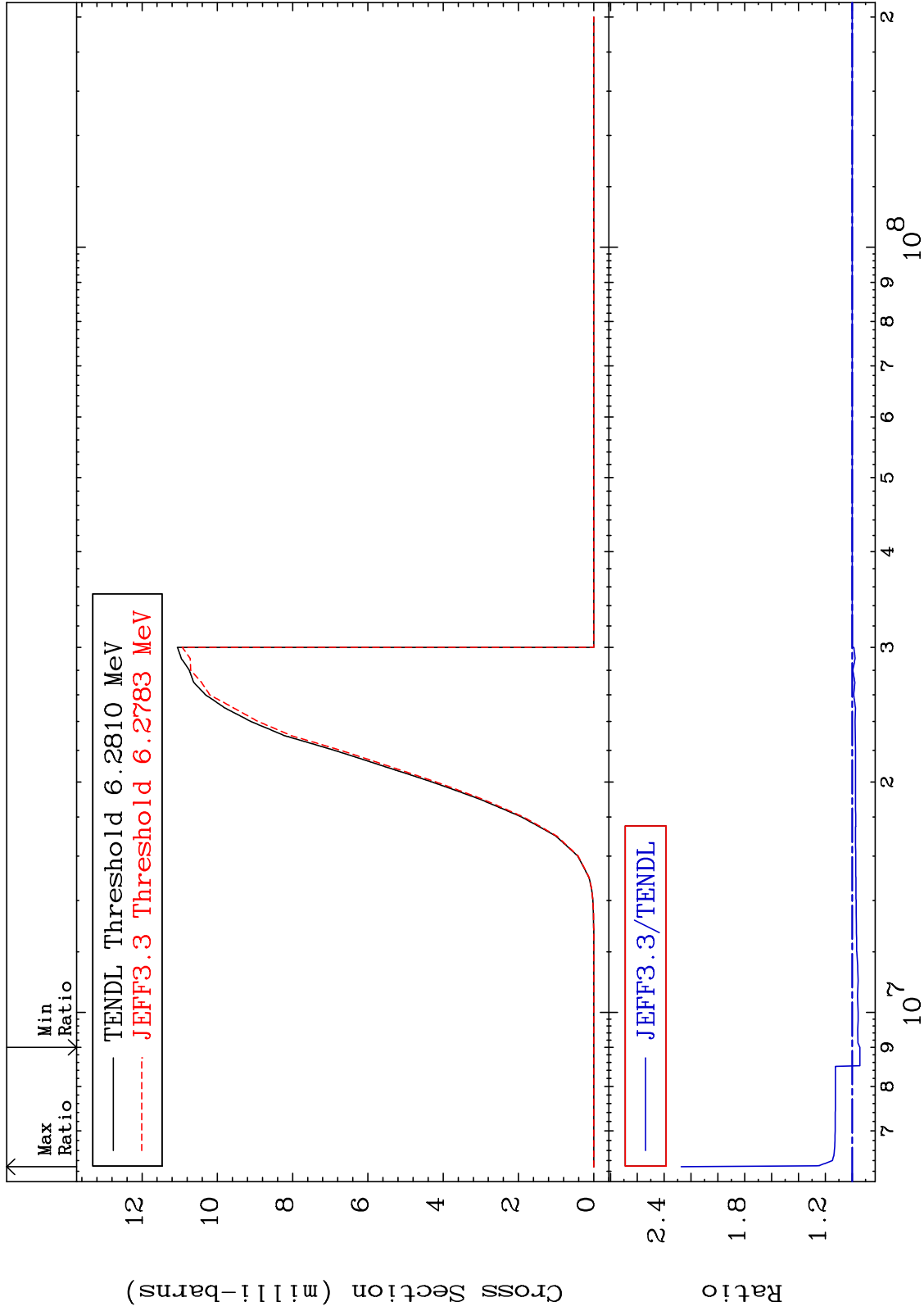
MAT 7049

(n, d)

70-Yb-176

Cross Section

-5.726 To 127.3 %



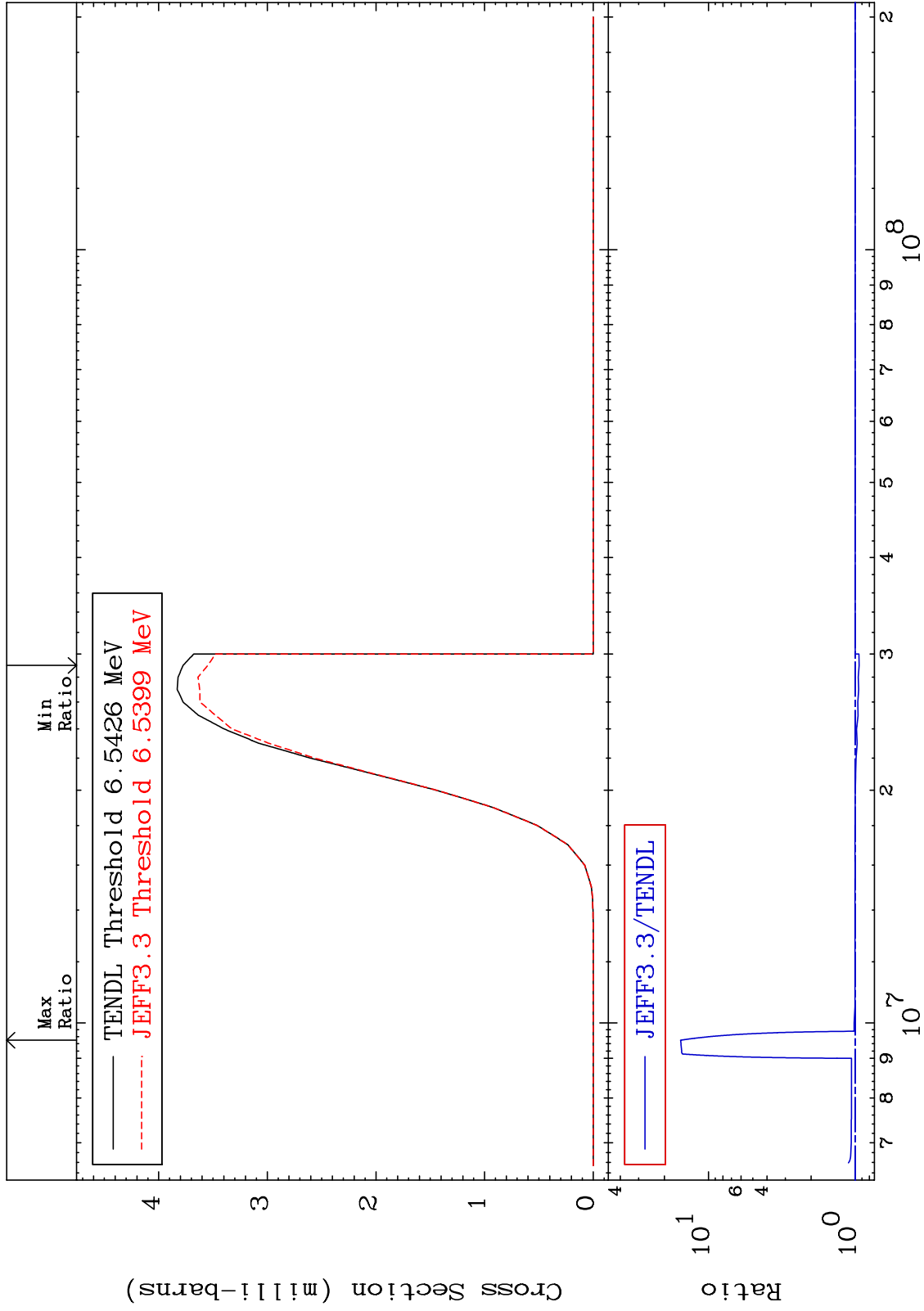
MAT 7049

(n, t)

70-Yb-176

Cross Section

-6.021 To 1452. %



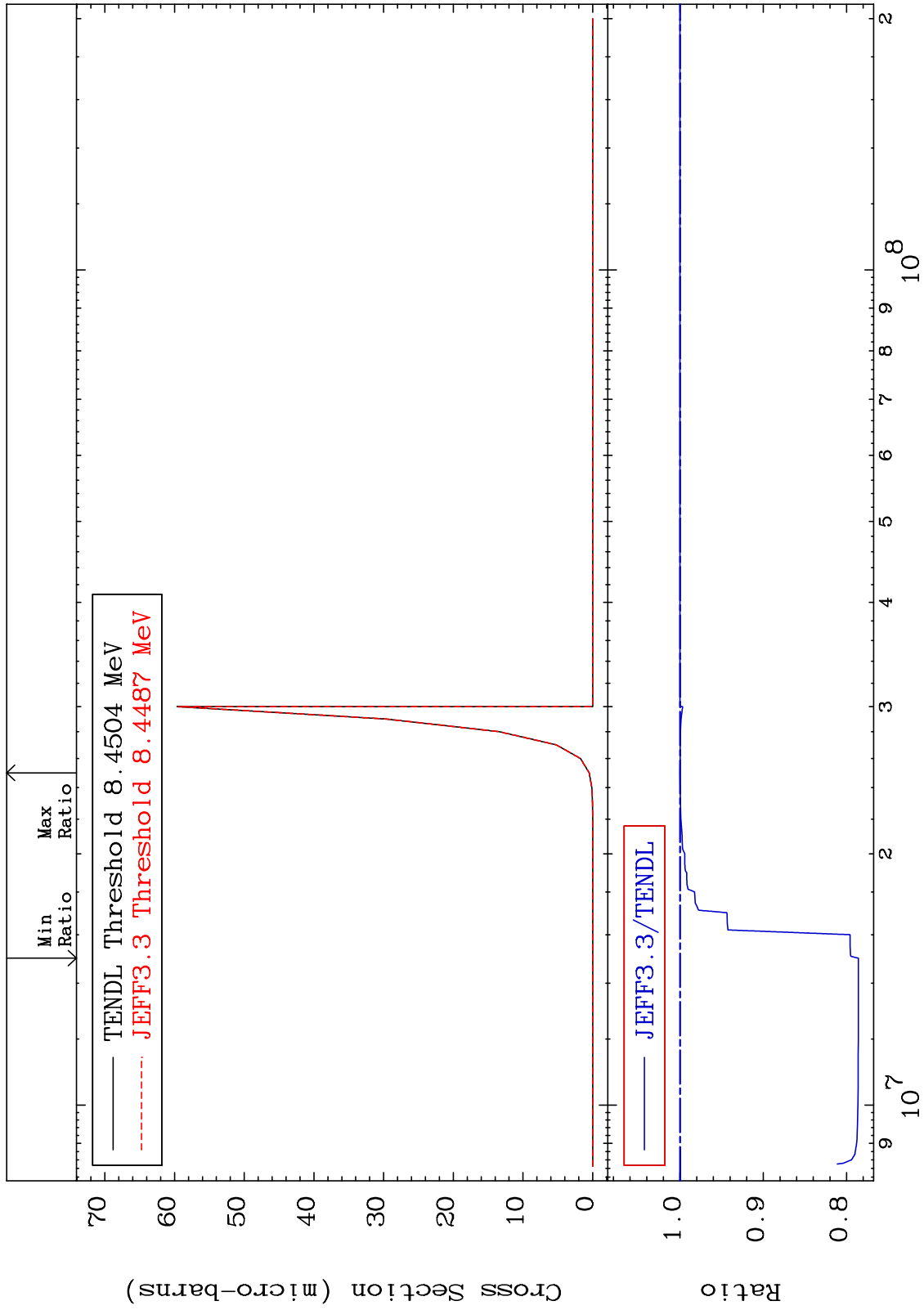
MAT 7049

(n, He-3)

70-Yb-176

Cross Section

-21.42 To 0.005 %



53

Incident Energy (eV)

70-Yb-176

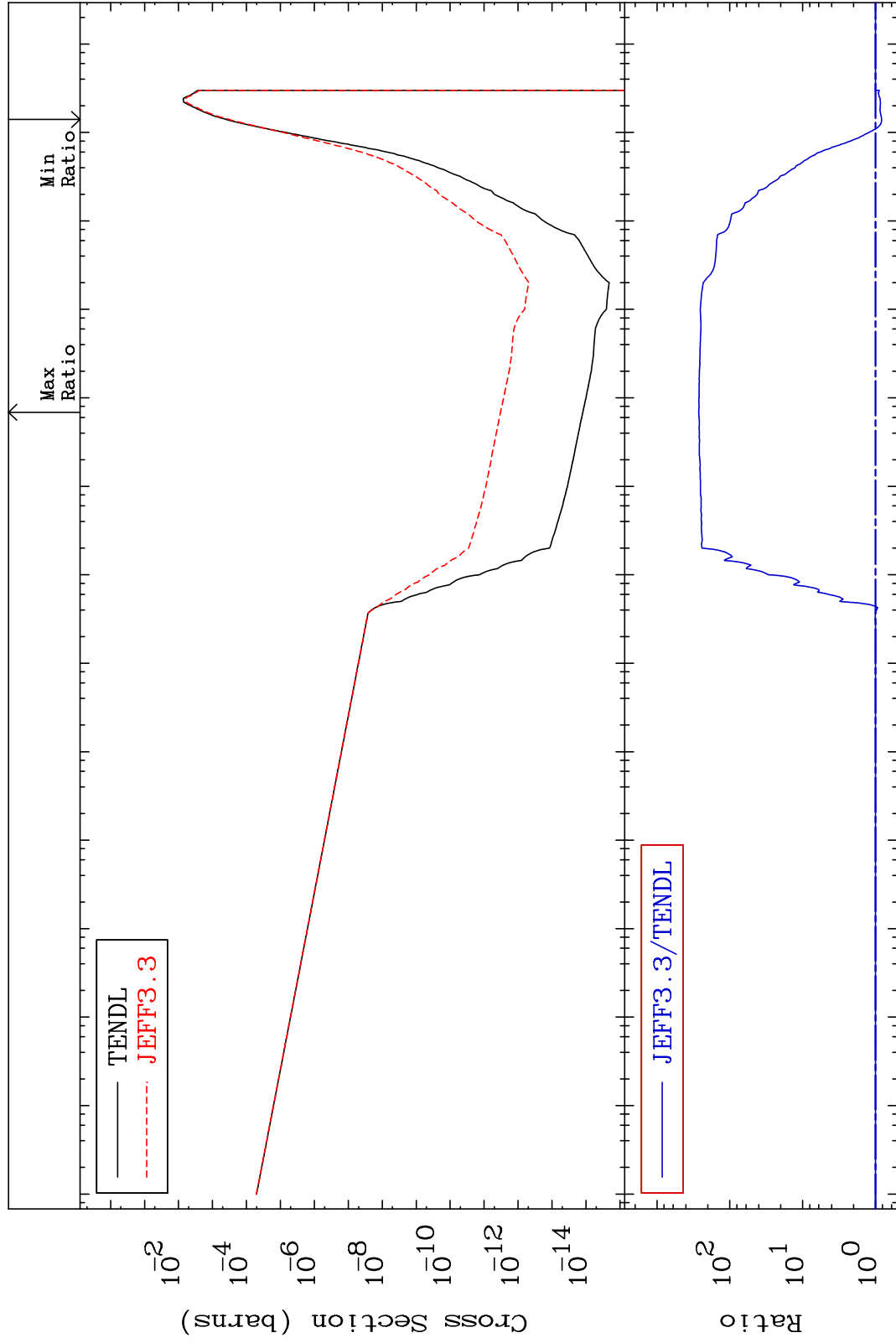
MAT 7049

(n, α)

70-Yb-176

Cross Section

-17.62 To 9999. %



Incident Energy (eV)

MAT 7049

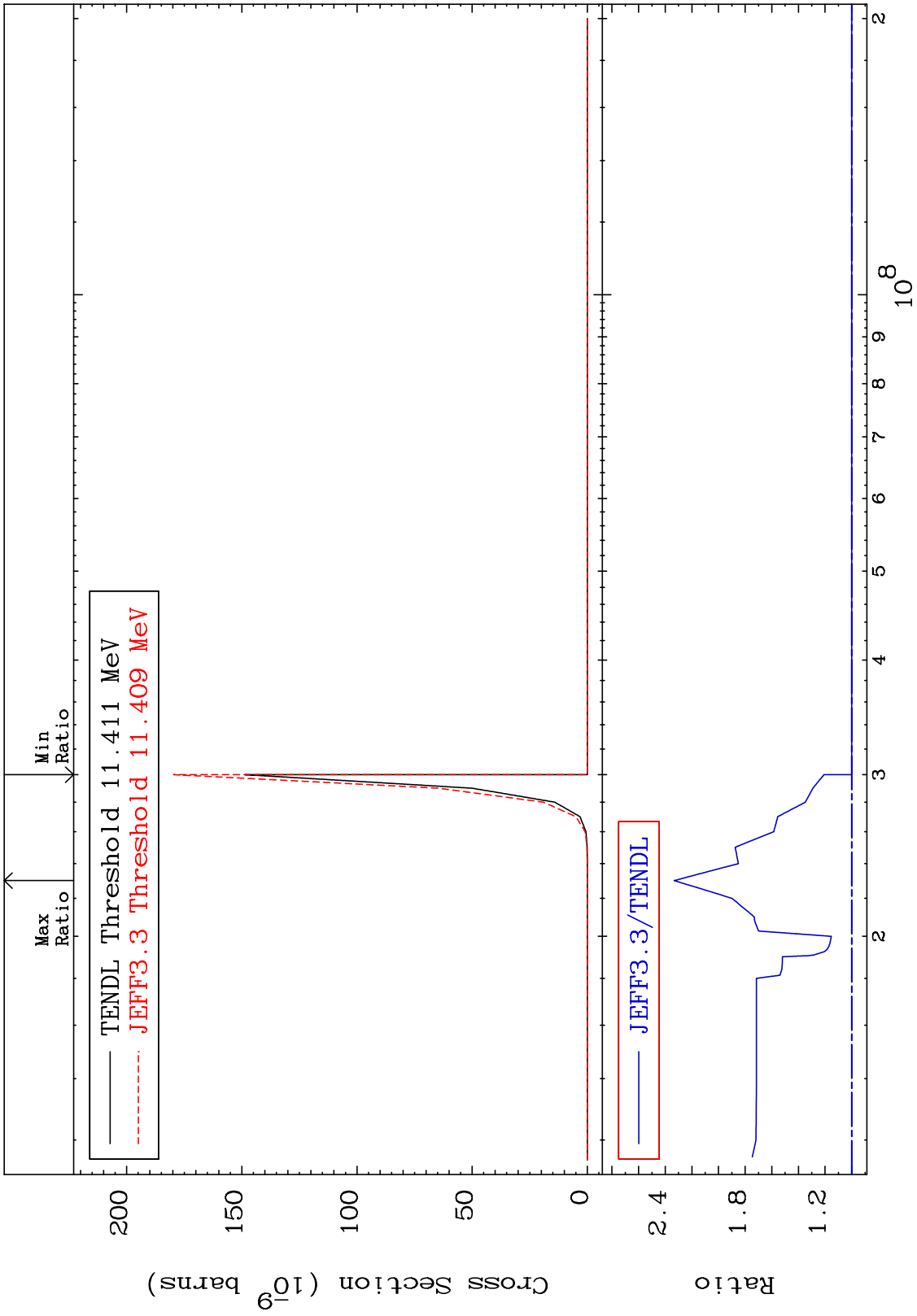
(n,2p)

70-Yb-176

Cross Section

0.000

To 133.3 %



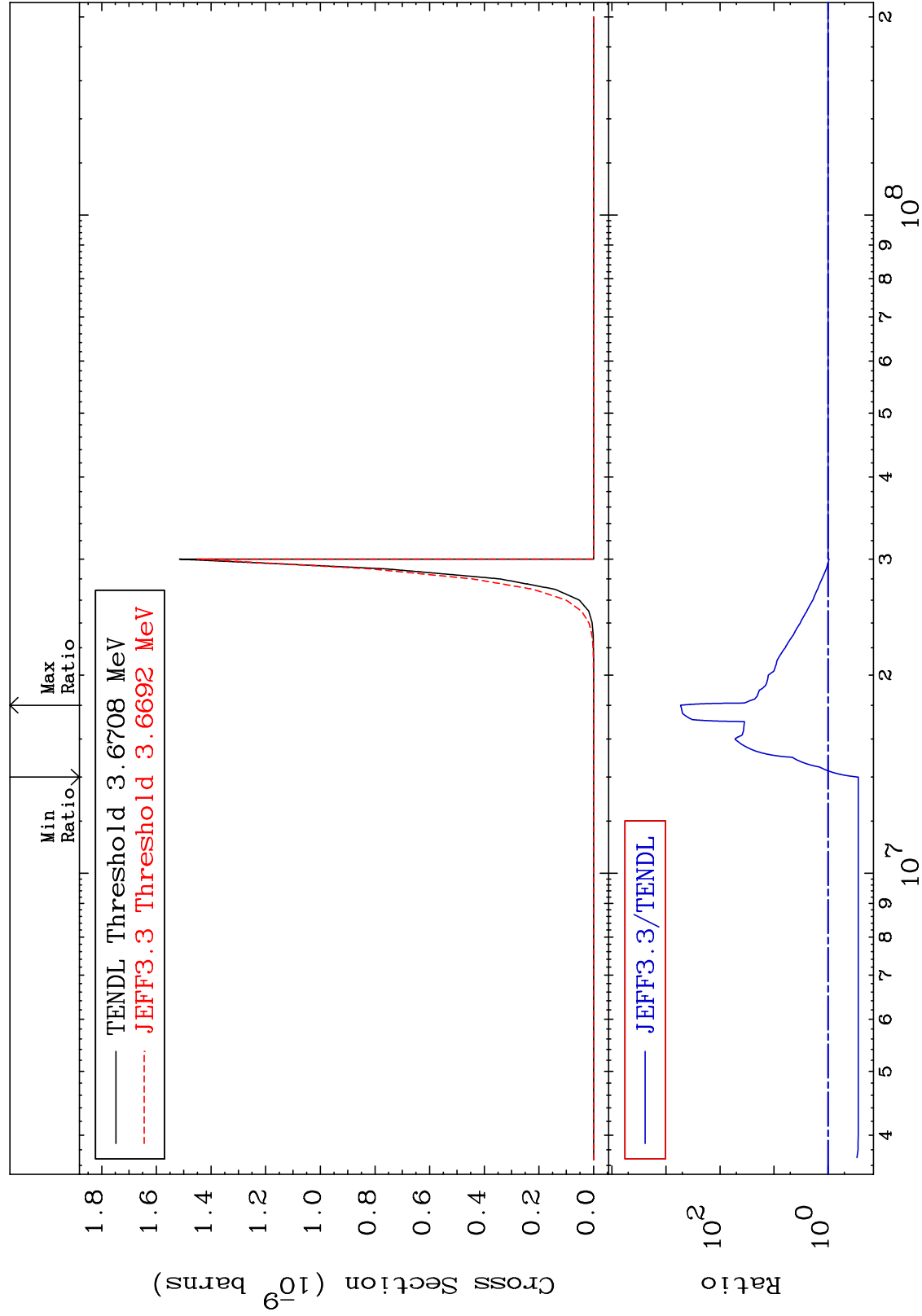
MAT 7049

(n,p) α

⁷⁰Yb-176

-72.43 To 9999. %

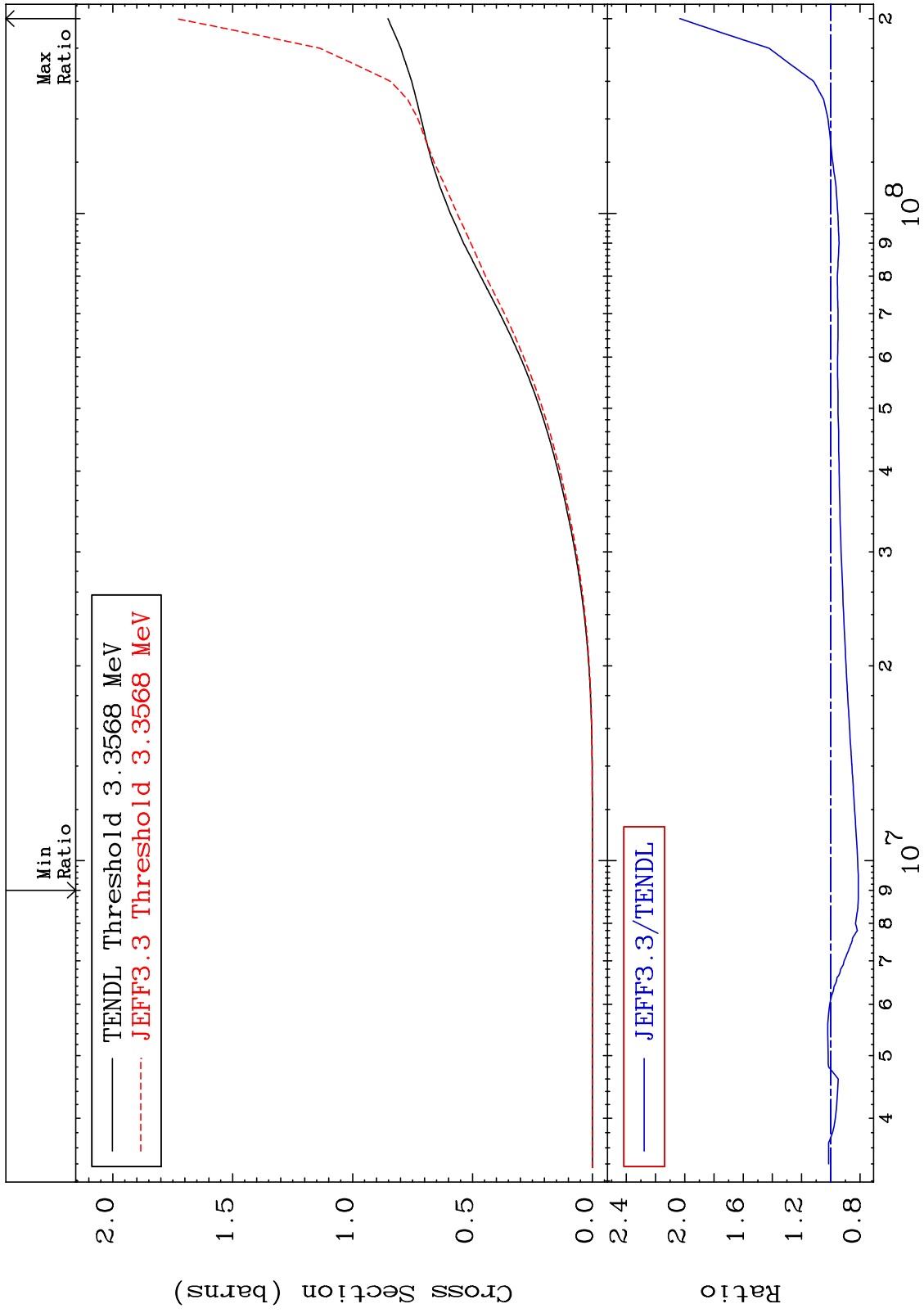
Cross Section



MAT 7049

Hydrogen Production
Cross Section

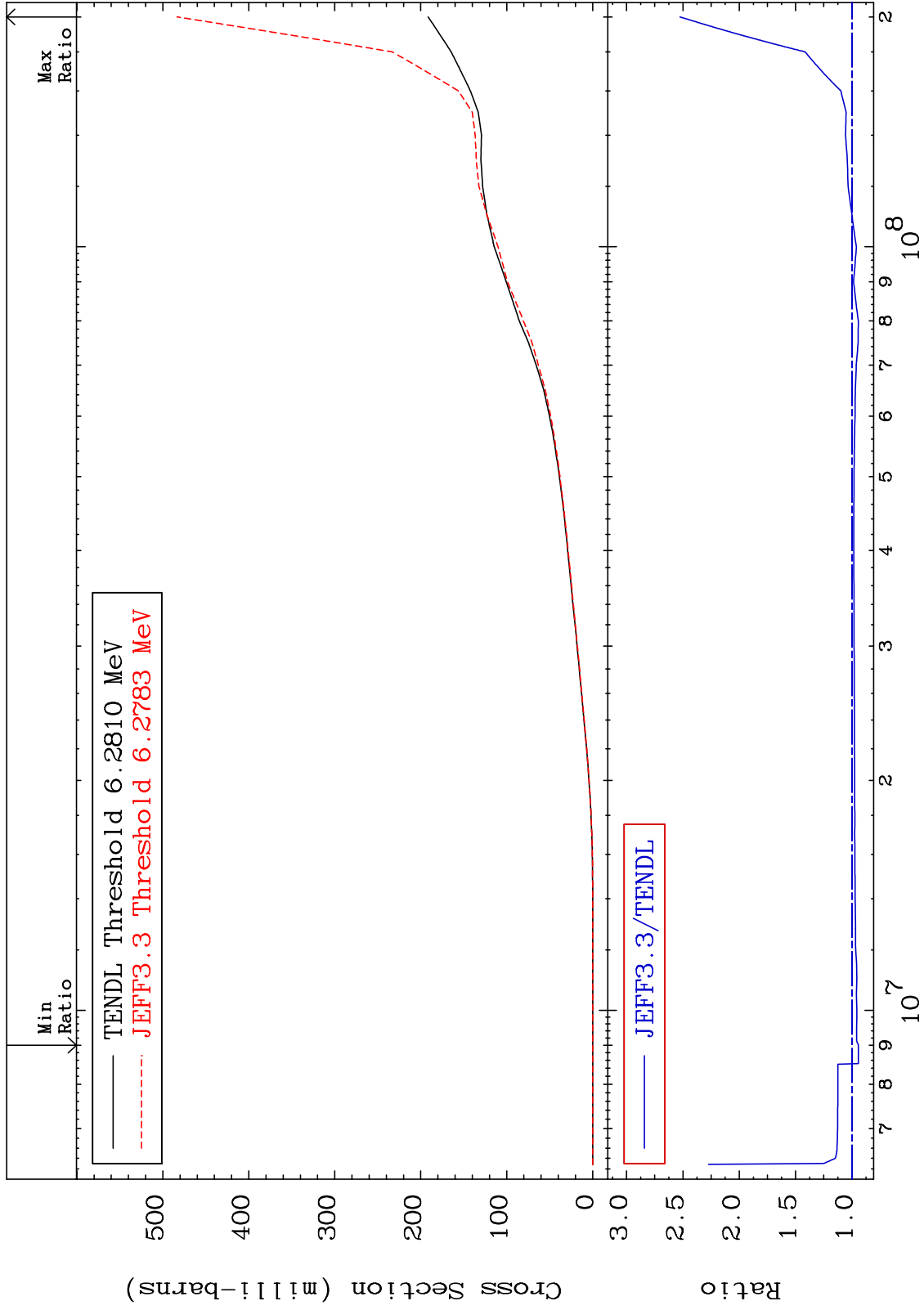
70-Yb-176
-18.85 To 103.4 %



MAT 7049

Deuterium Production
Cross Section

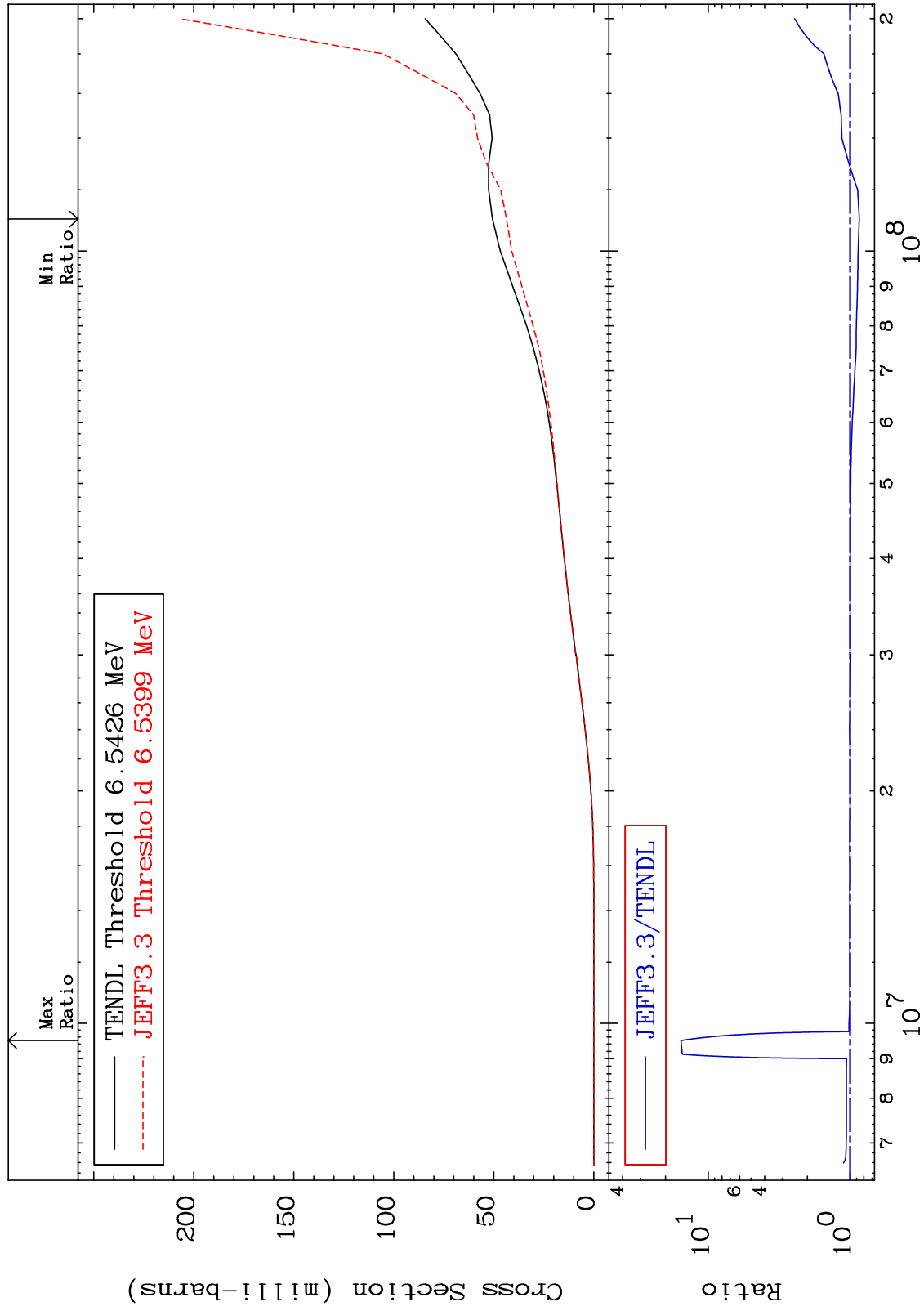
70-Yb-176
-5.726 To 152.6 %



MAT 7049

Tritium Production
Cross Section

70-Yb-176
-13.83 To 1452. %



59

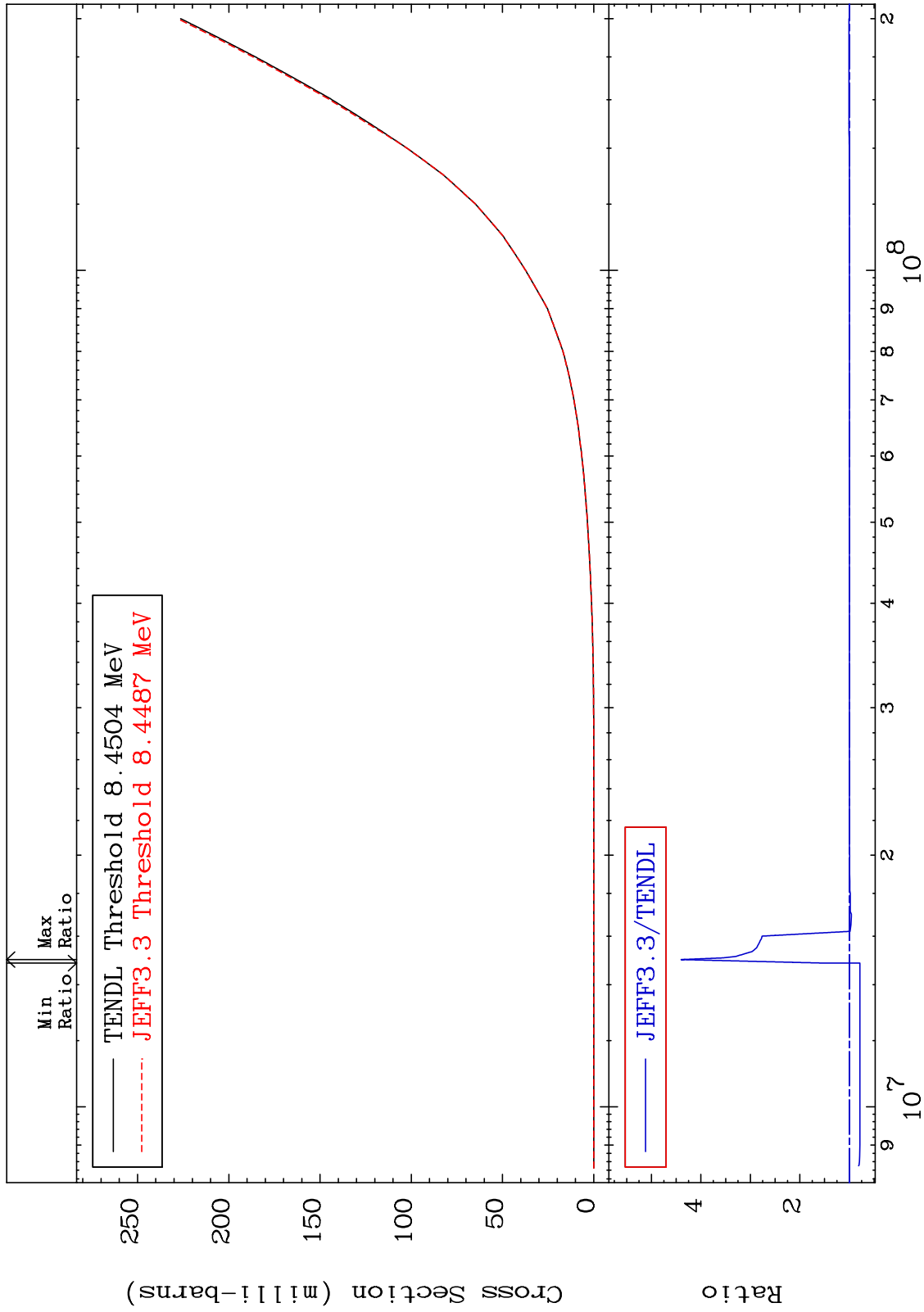
Incident Energy (eV)

70-Yb-176

MAT 7049

He-3 Production
Cross Section

70-Yb-176
-21.42 To 339.8 %



60

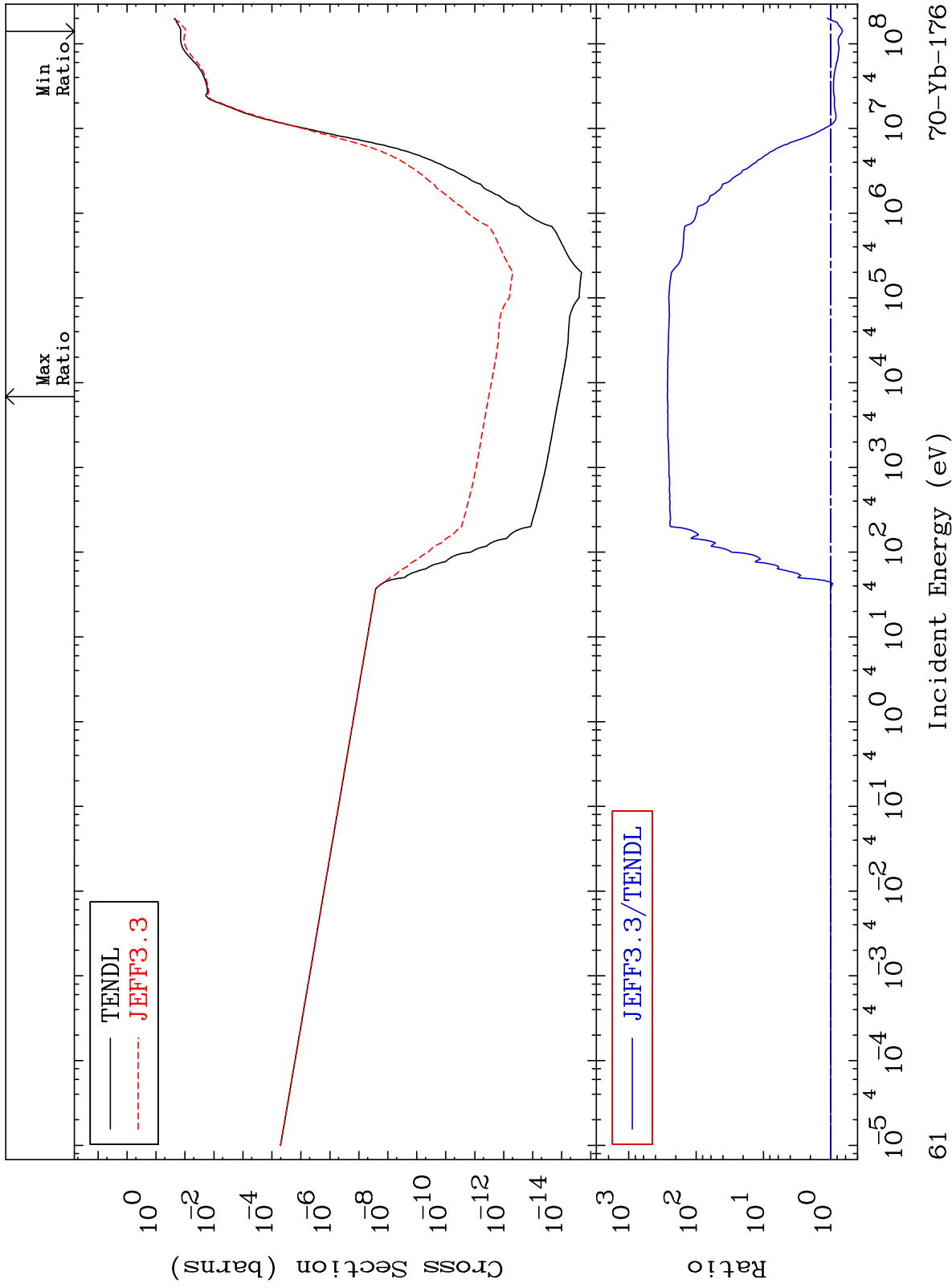
Incident Energy (eV)

70-Yb-176

MAT 7049

He-4 Production
Cross Section

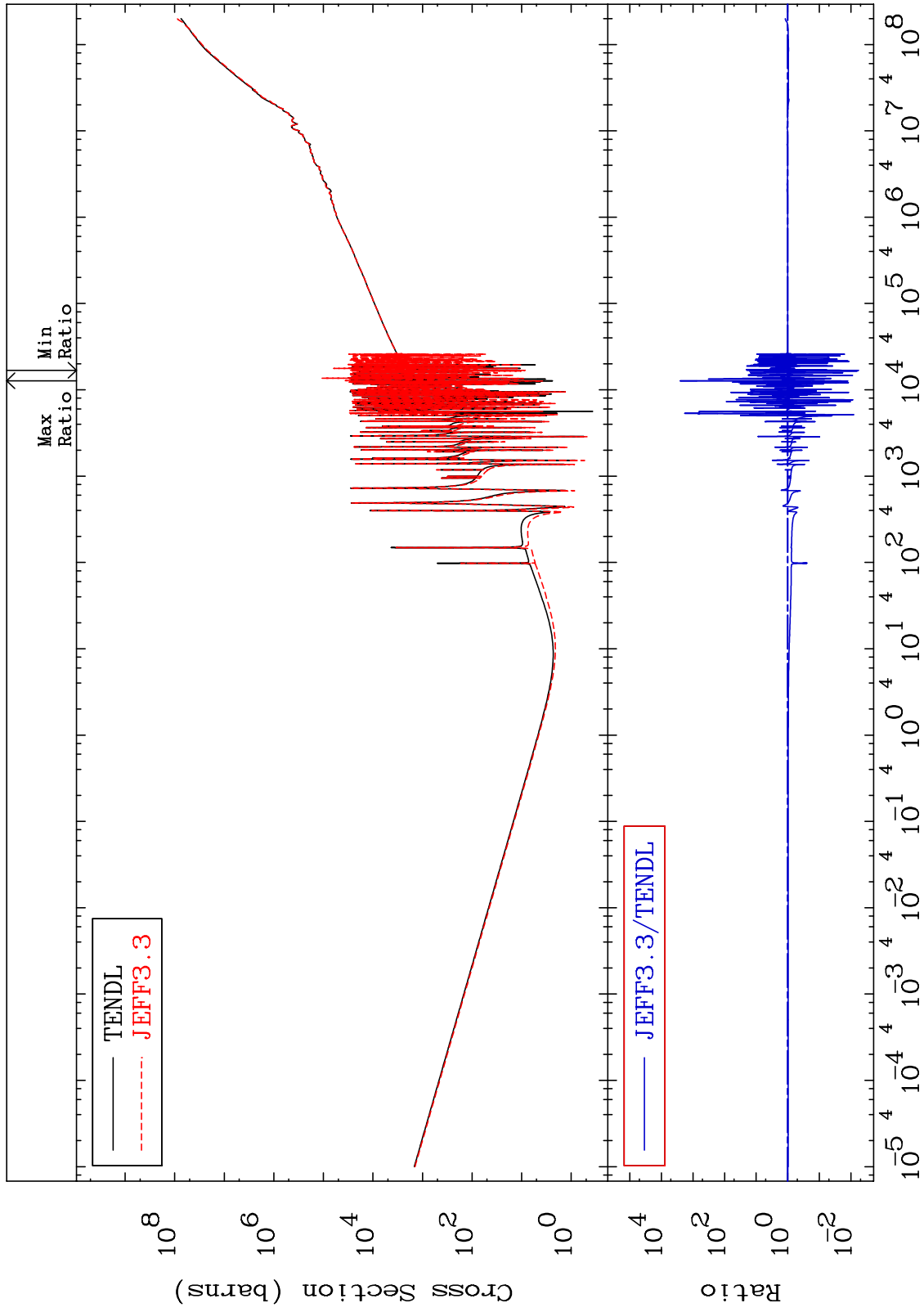
70-Yb-176
-33.45 To 9999. %



MAT 7049

Kerma total (eV-barns)
Cross Section

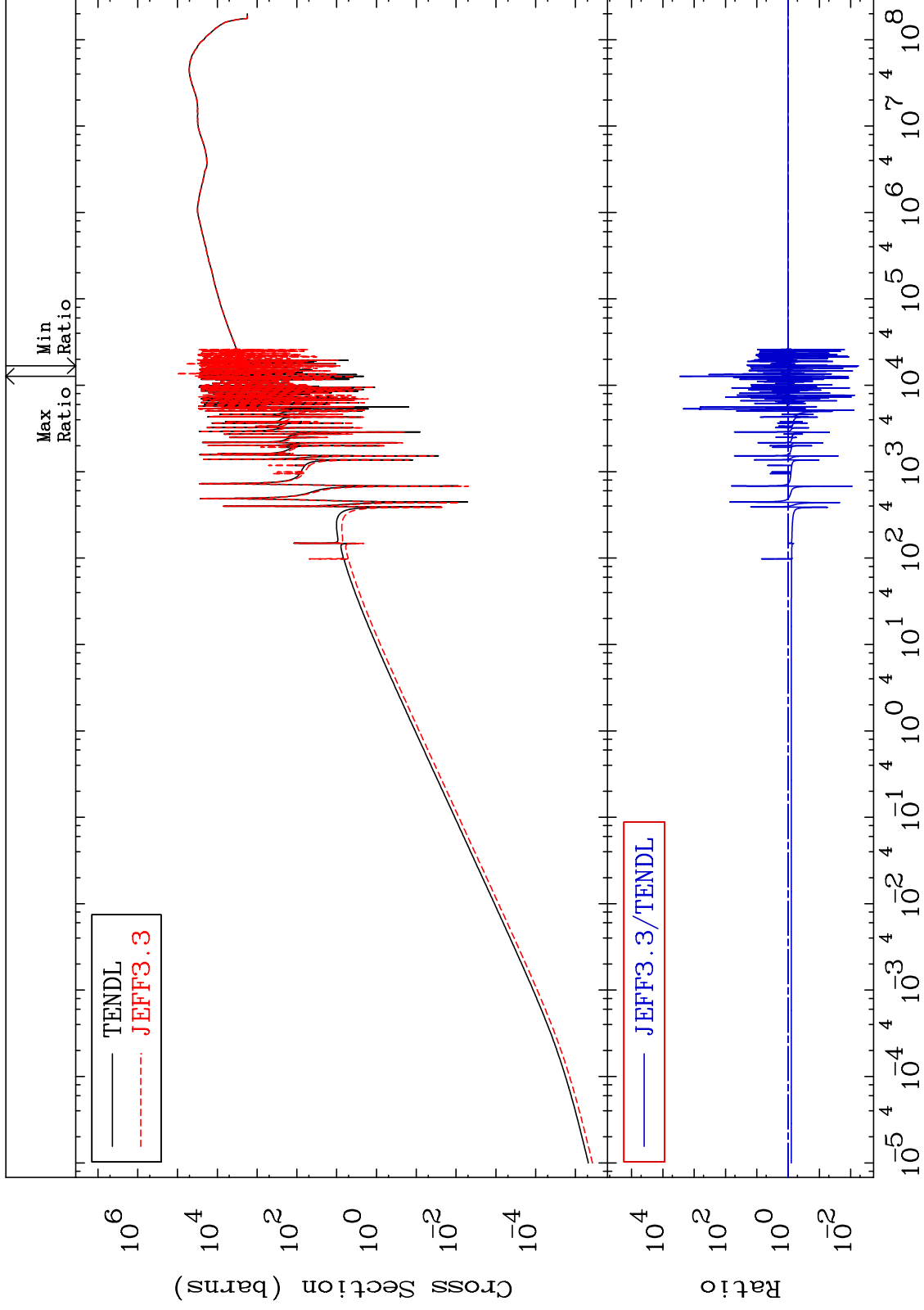
70-Yb-176
-99.42 To 9999. %



MAT 7049

Kerma elastic
Cross Section

70-Yb-176
-99.43 To 9999. %



63

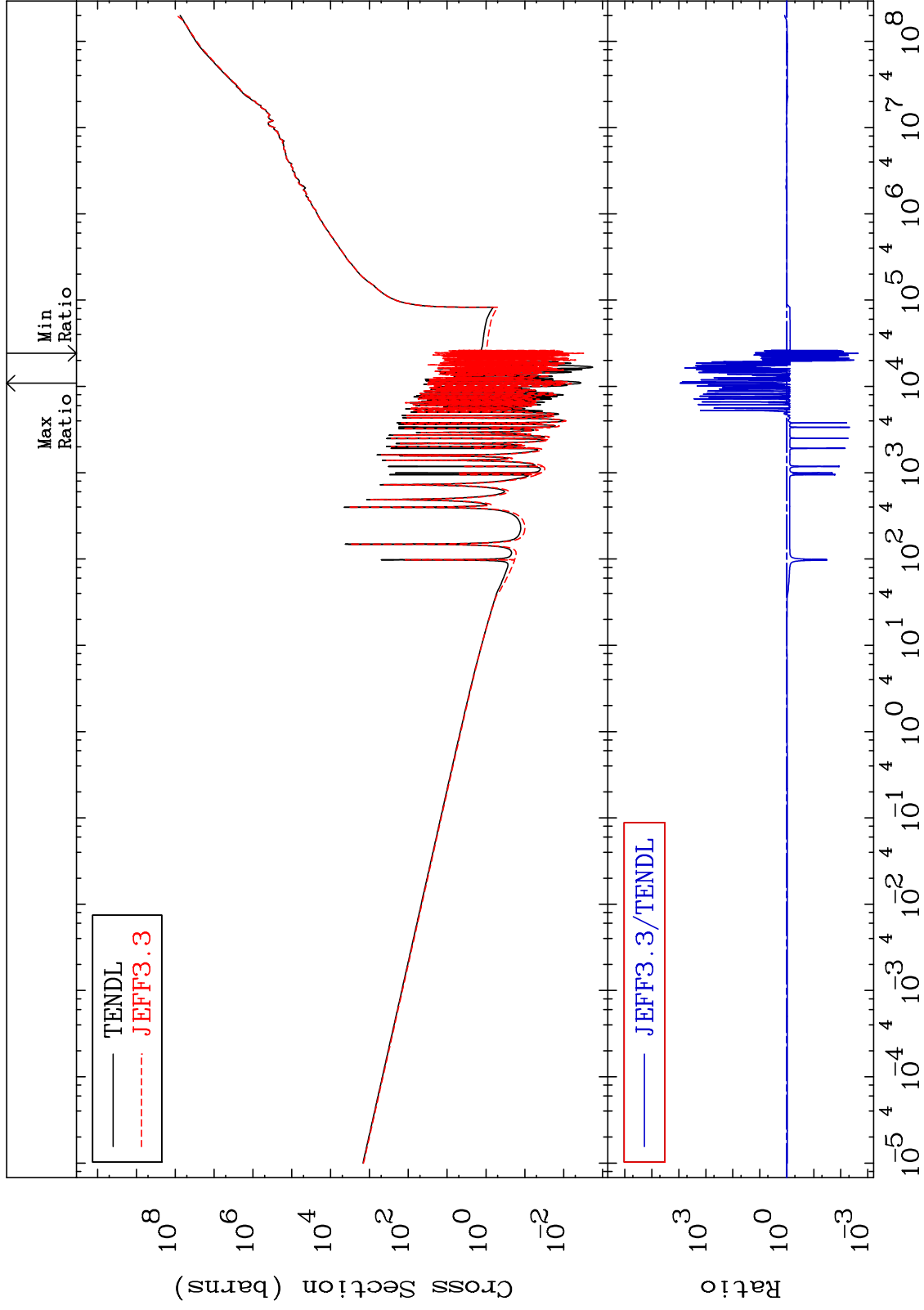
Incident Energy (eV)

70-Yb-176

MAT 7049

Kerma non-elastic (all but mt2)
Cross Section

70-Yb-176
-99.78 To 9999. %



64

Incident Energy (eV)

70-Yb-176

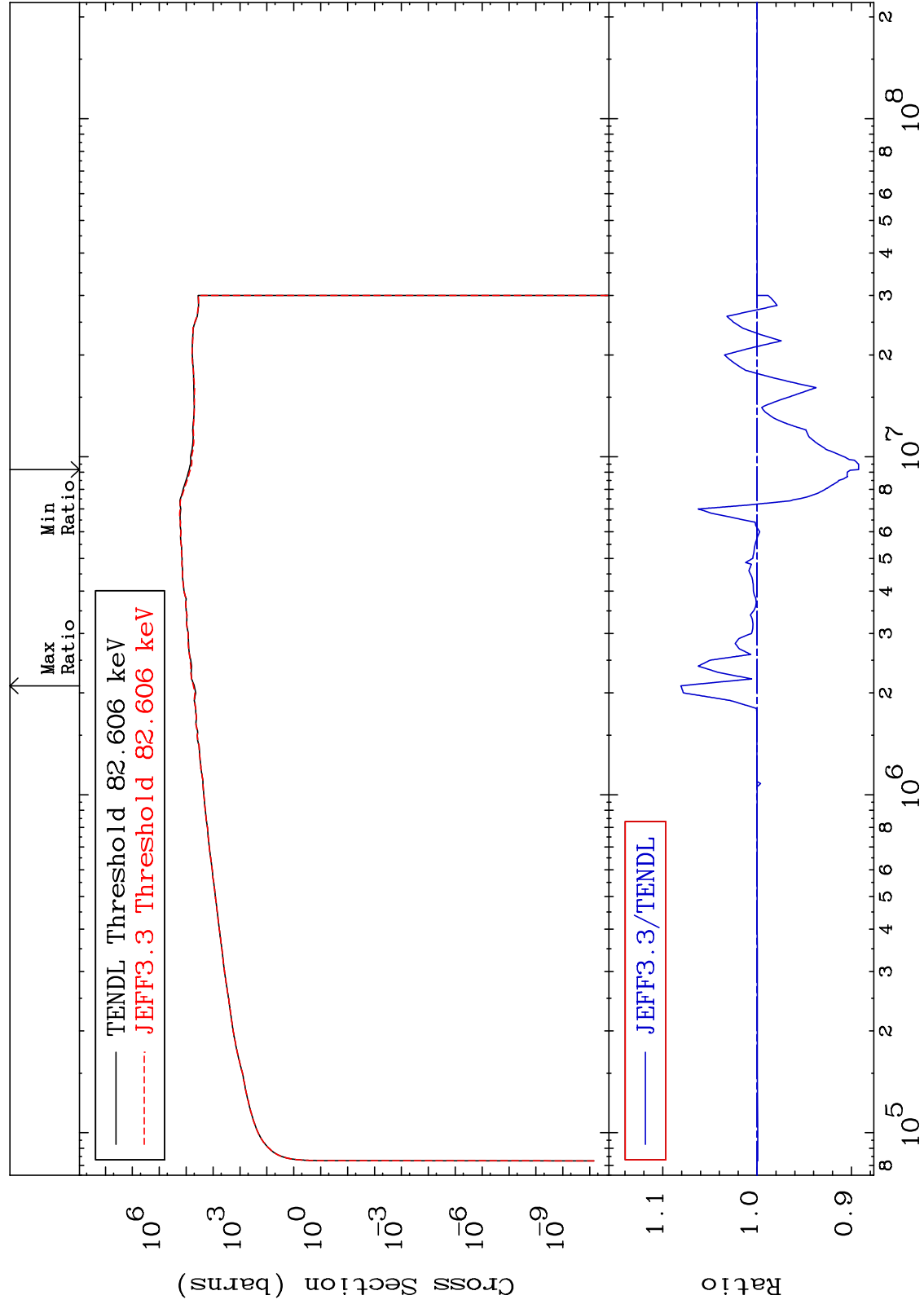
MAT 7049

Kerma inelastic (mt51-91)

70-Yb-176

-10.76 To 8.081 %

Cross Section



65

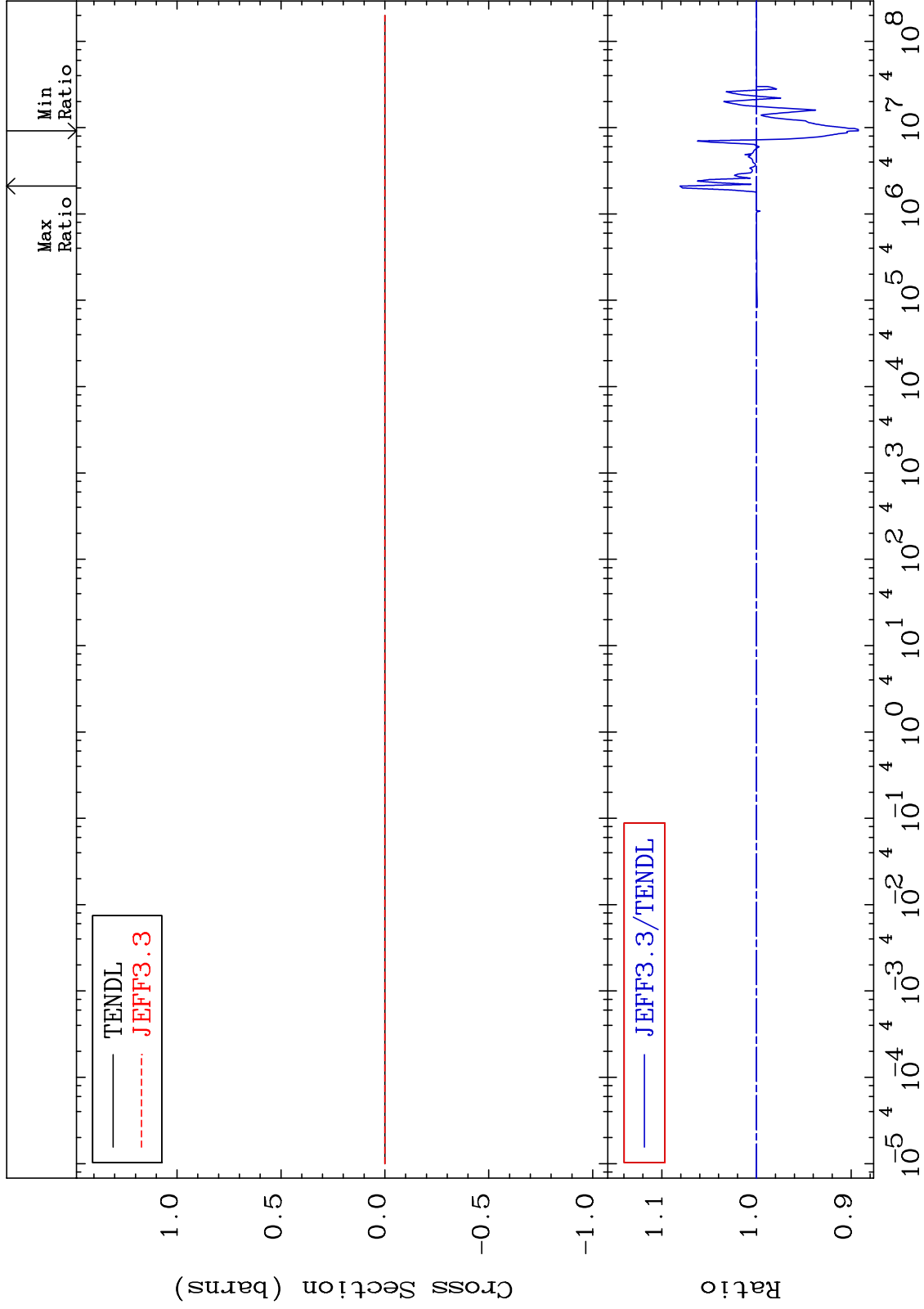
Incident Energy (eV)

70-Yb-176

MAT 7049

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

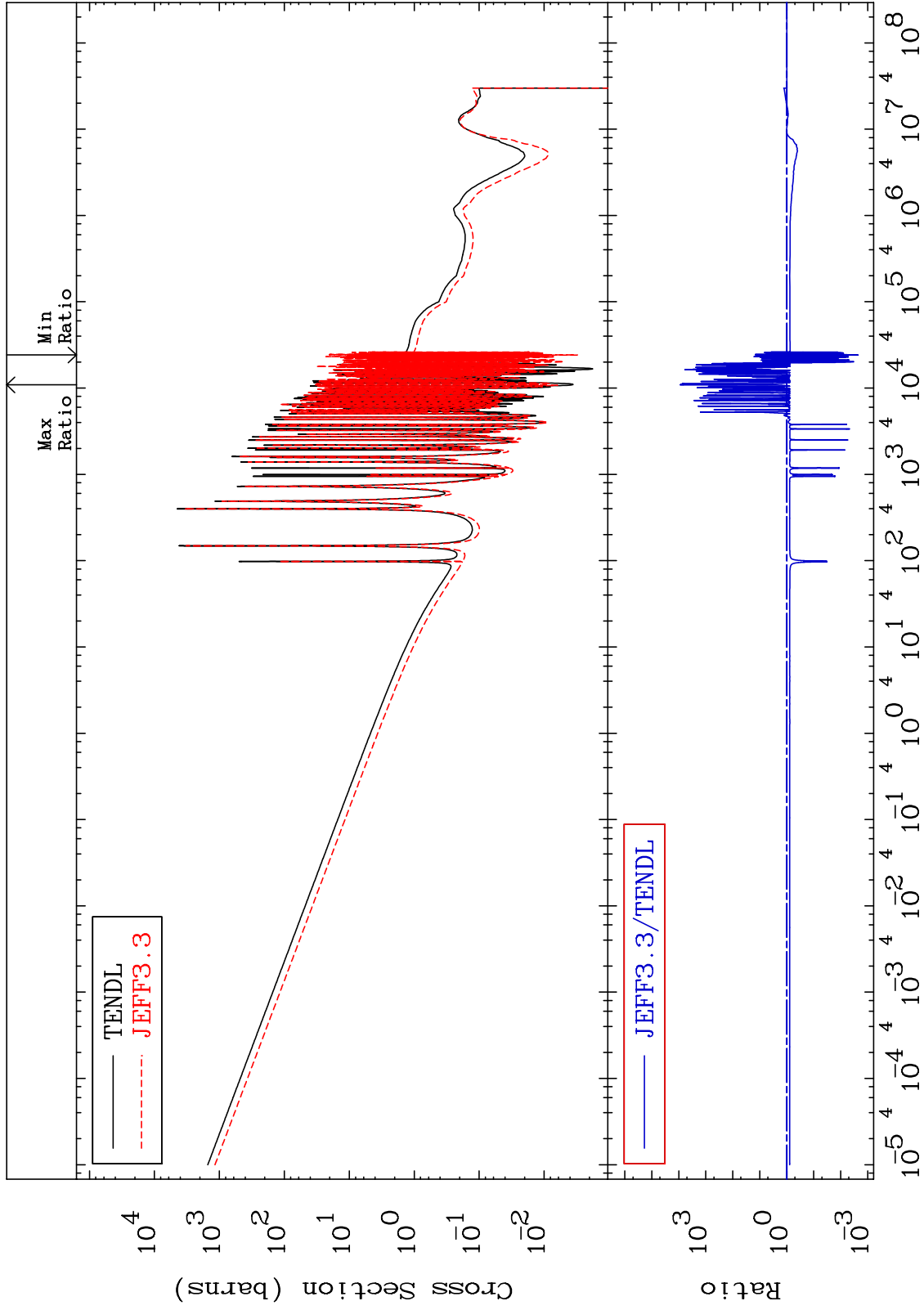
70-Yb-176
-10.76 To 8.081 %



MAT 7049

Kerma capture (mt102)
Cross Section

70-Yb-176
-99.78 To 9999. %



67

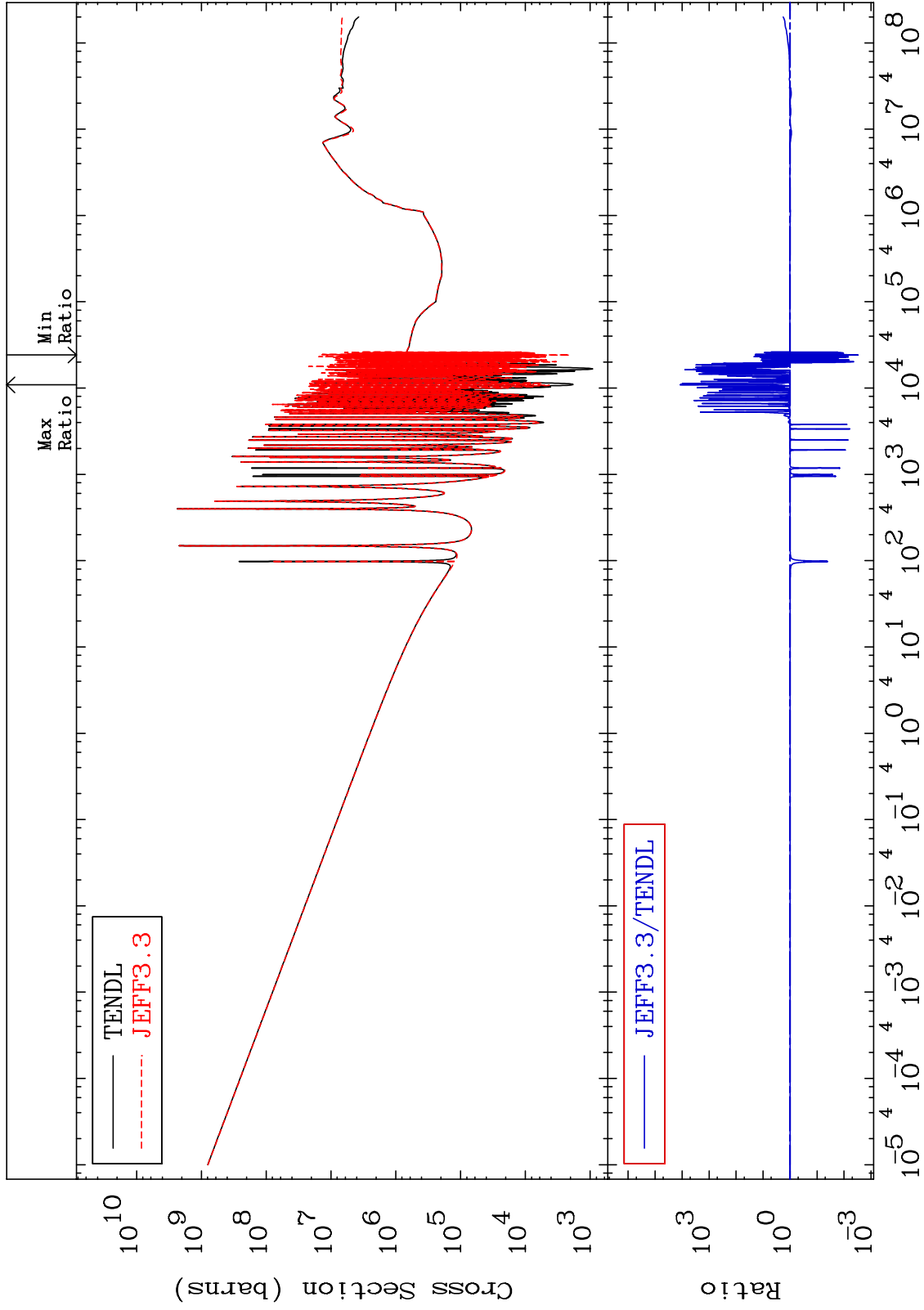
Incident Energy (eV)

70-Yb-176

MAT 7049

Total photon (eV-barns)
Cross Section

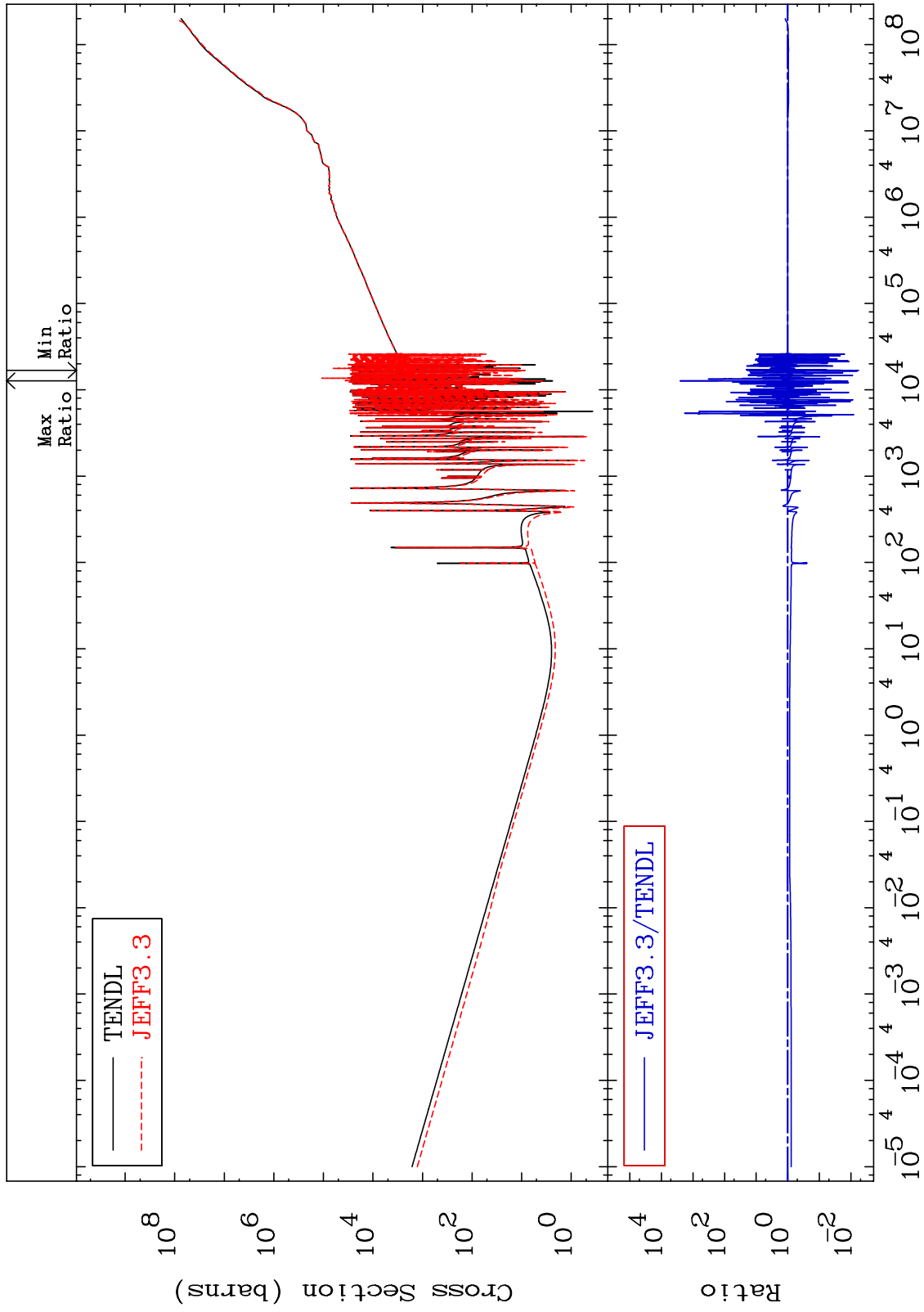
70-Yb-176
-99.71 To 9999. %



MAT 7049

Total kinematic kerma (high limit)
Cross Section

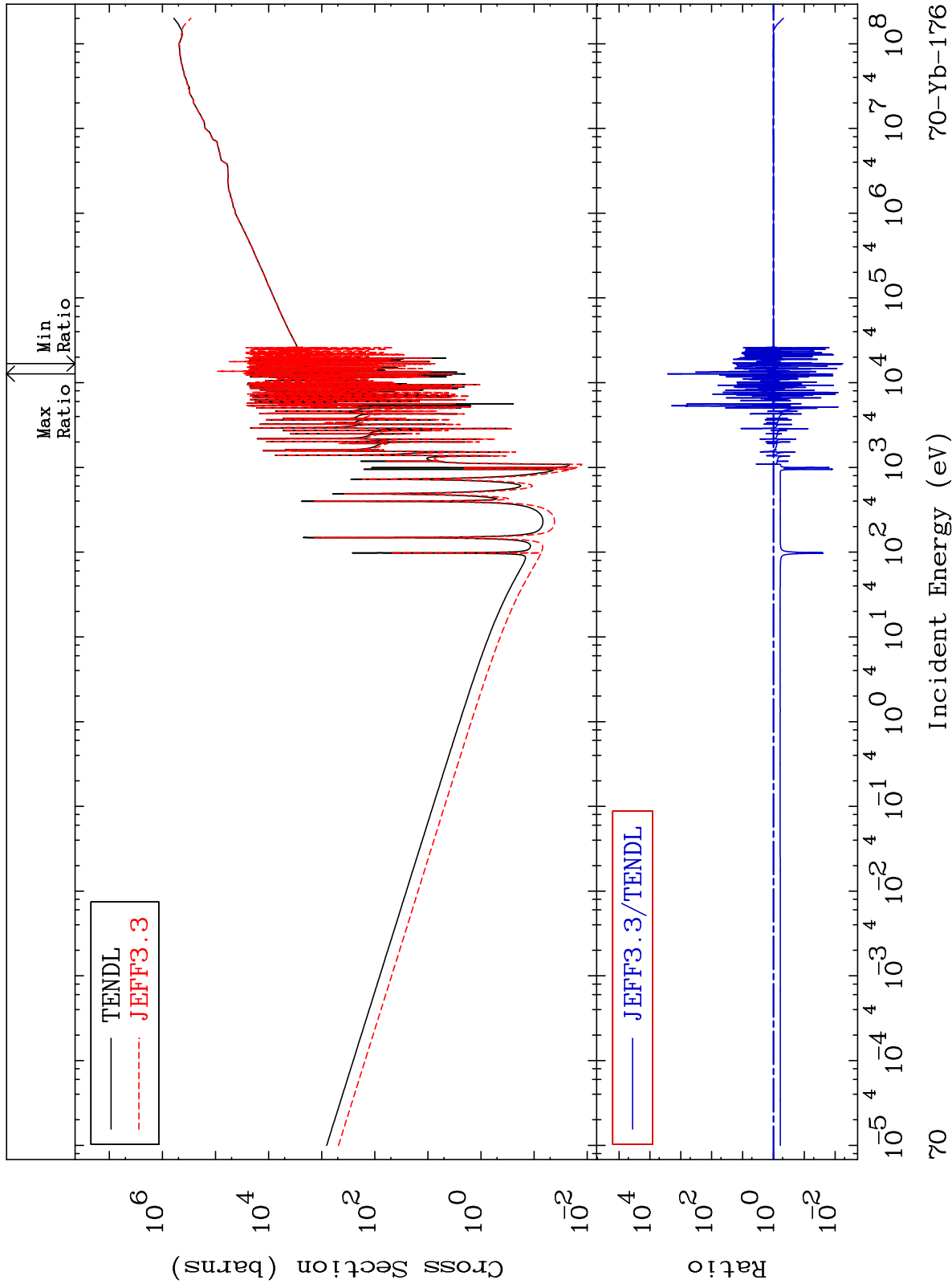
70-Yb-176
-99.42 To 9999. %



MAT 7049

Dpa total (eV-barns)
Cross Section

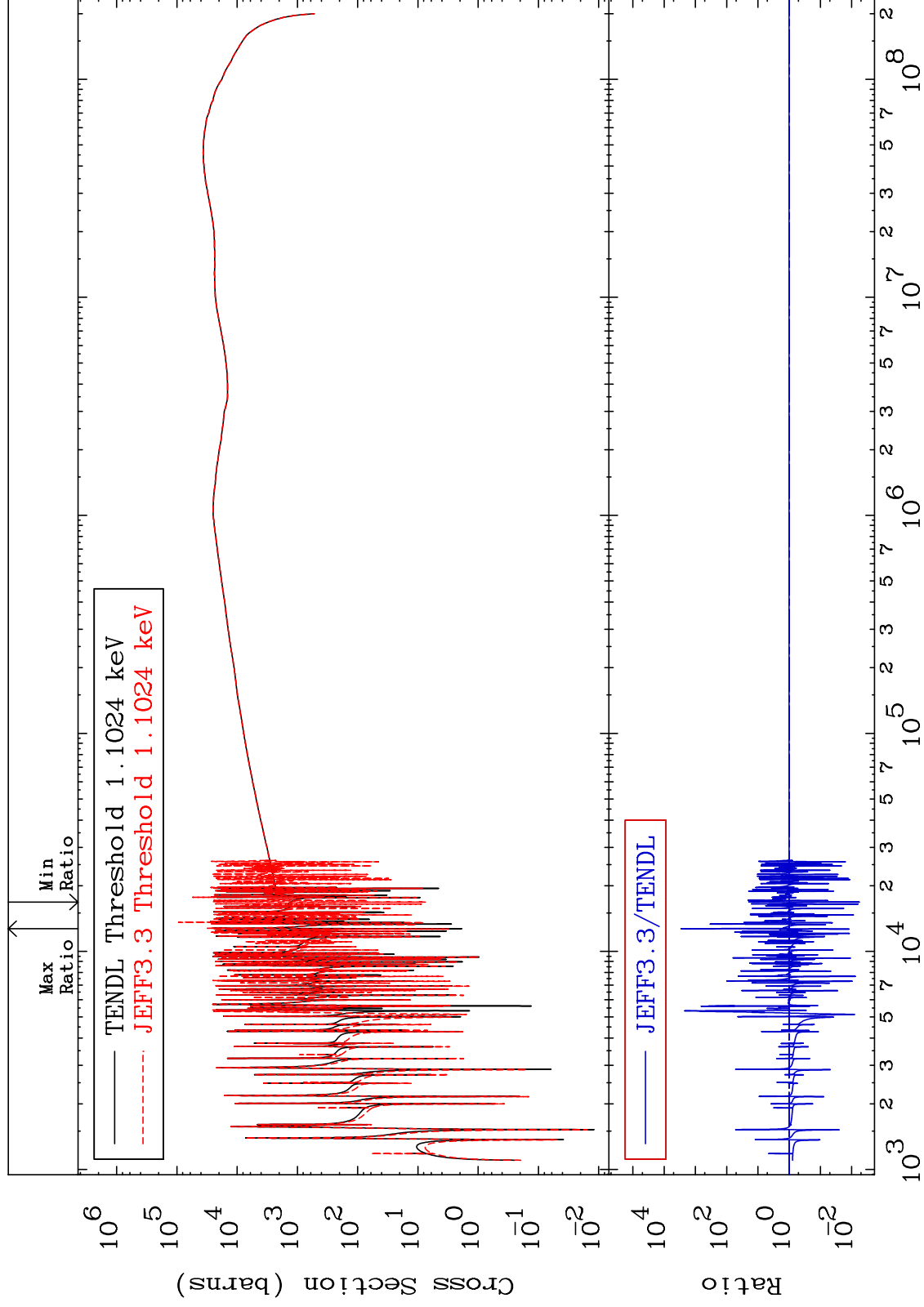
70-Yb-176
-99.43 To 9999. %



MAT 7049

Dpa elastic (mt2)
Cross Section

70-Yb-176
-99.43 To 9999. %



71

Incident Energy (eV)

70-Yb-176

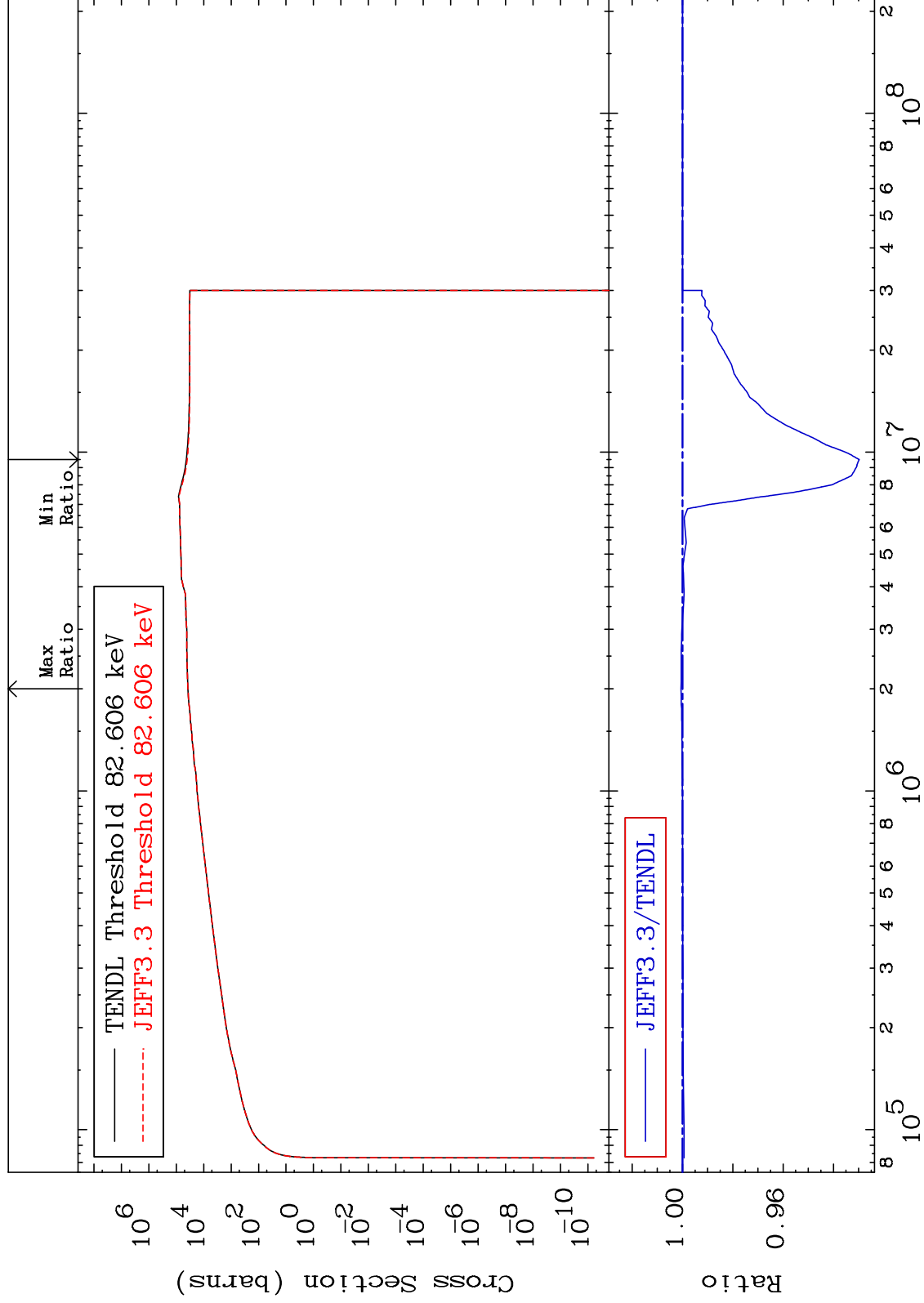
MAT 7049

Dpa inelastic (mt51-91)

70-Yb-176

-7.028 To 0.057 %

Cross Section



72

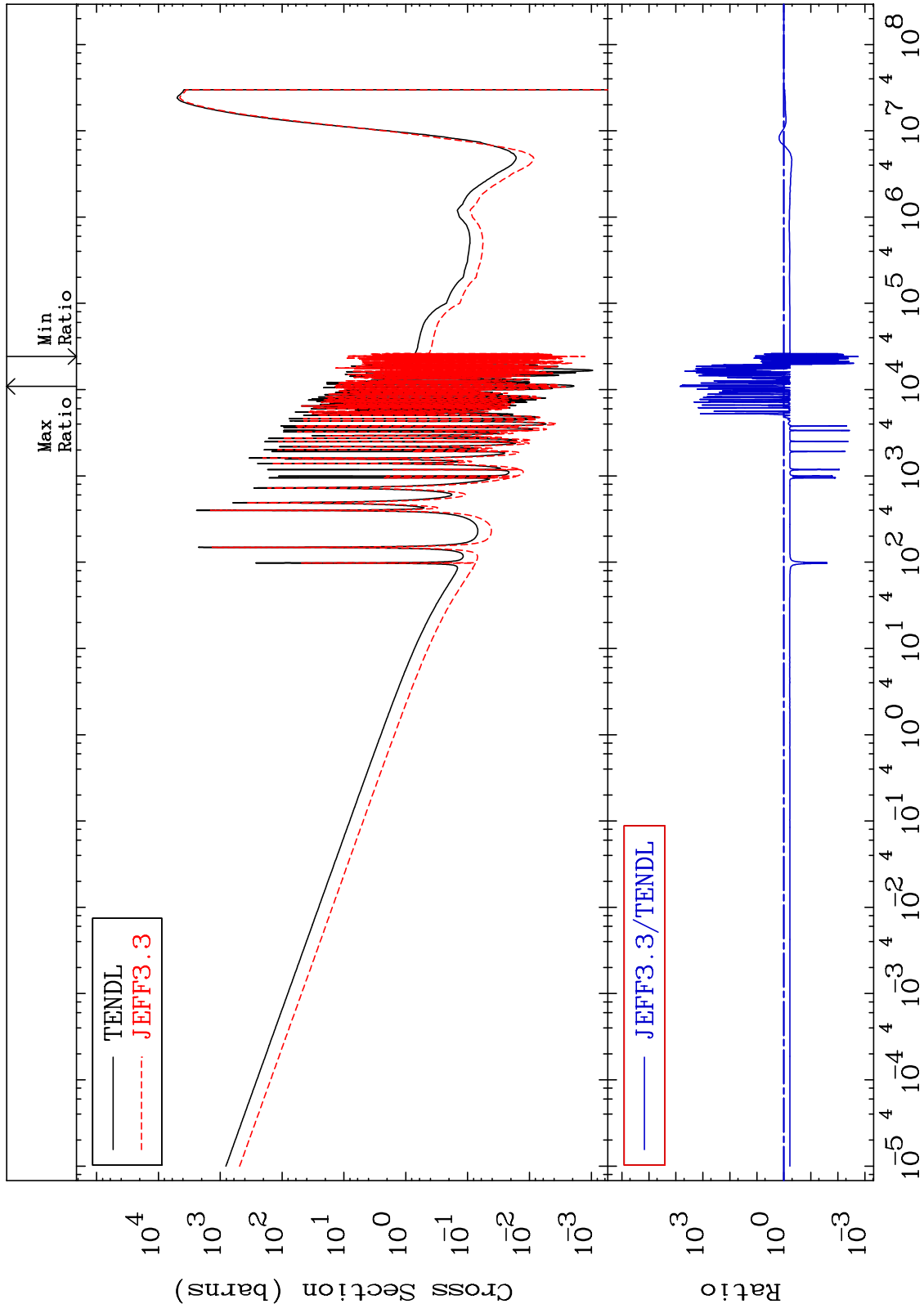
Incident Energy (eV)

70-Yb-176

MAT 7049

Dpa disappearance (mt102 -120)
Cross Section

70-Yb-176
-99.83 To 9999. %



73

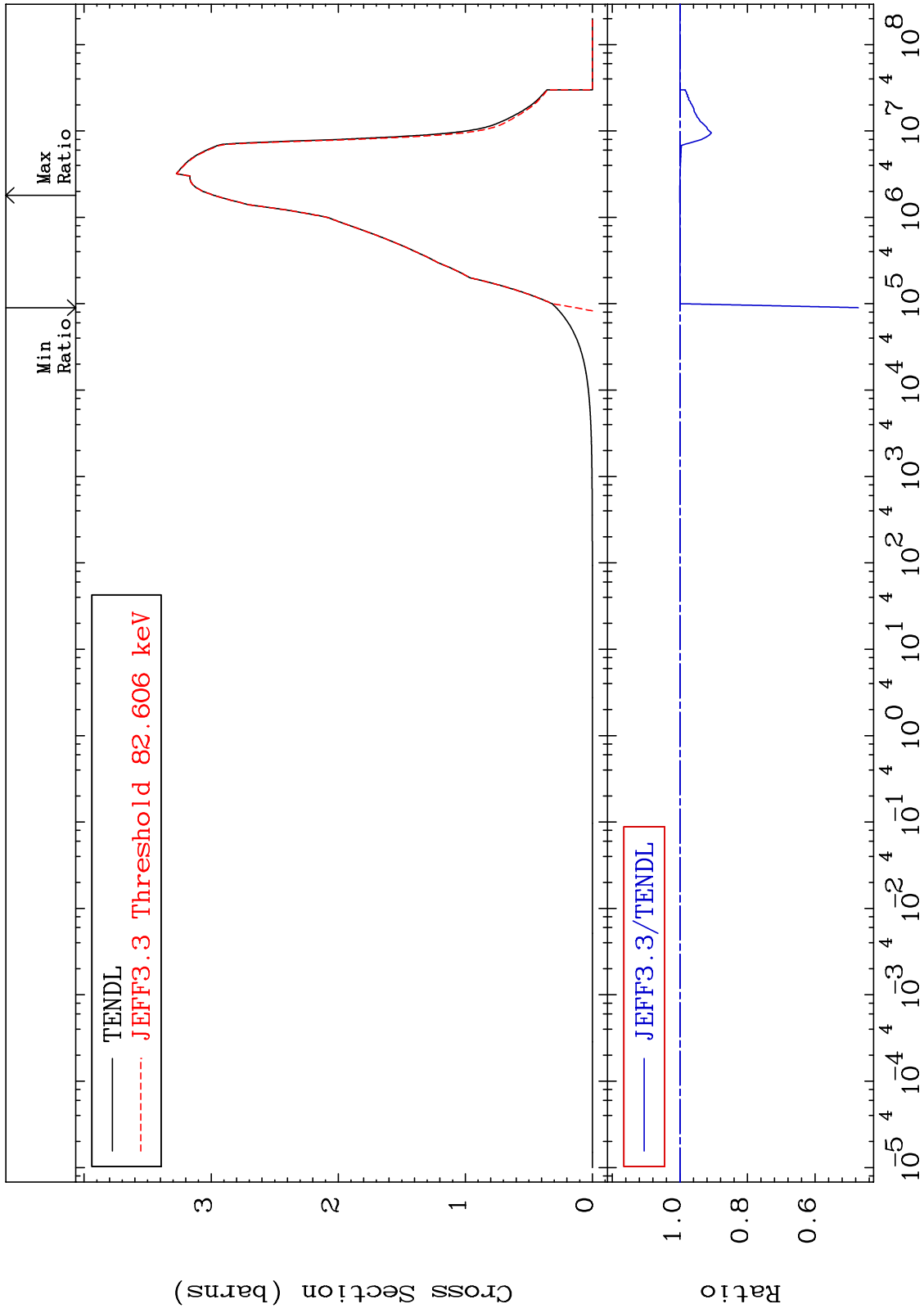
Incident Energy (eV)

70-Yb-176

MAT 7049

Inelastic: 70-Yb-176
Radionuclide Production Cross Section -52.80 To 0.037 %

70-Yb-176



74

Incident Energy (eV)

70-Yb-176

MAT 7049

Inelastic:70-Yb-176m5

70-Yb-176

Radionuclide Production Cross Section -14.62 To 50.82 %

