

Program Complot
(Version 2018-1)

by

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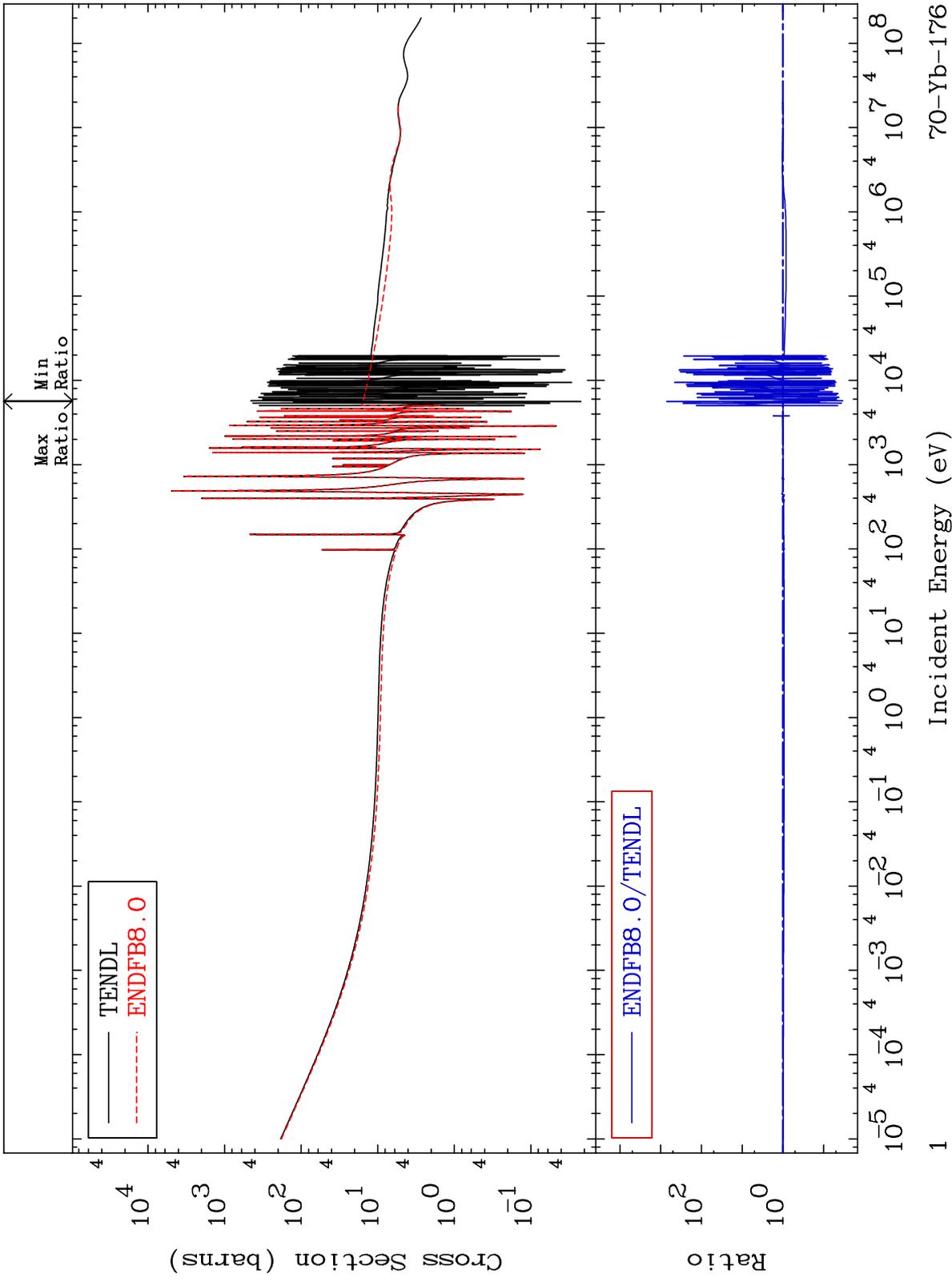
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7049

Total
Cross Section

70-Yb-176
-96.57 To 9999. %

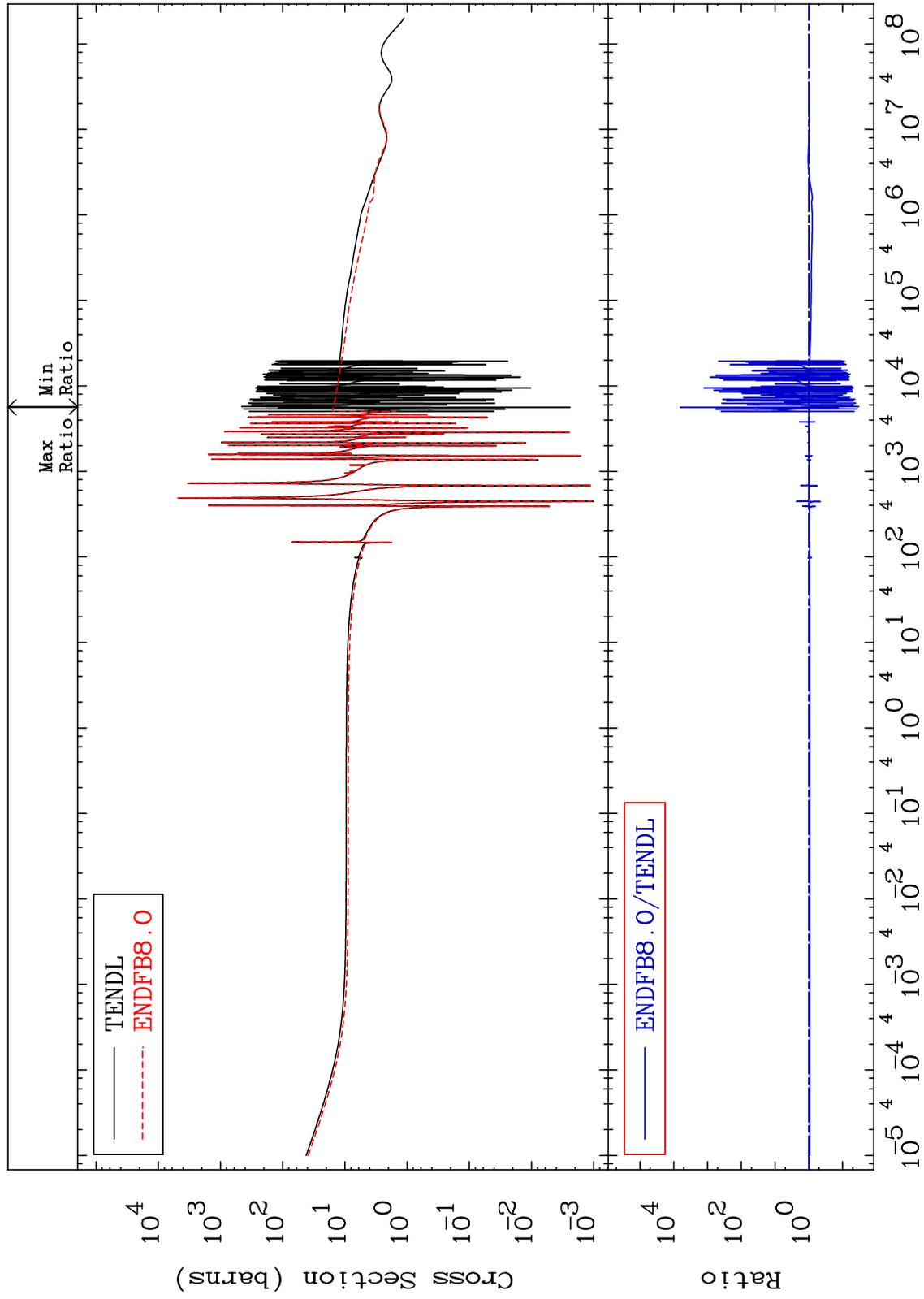


70-Yb-176

MAT 7049

Elastic
Cross Section

70-Yb-176
-96.62 To 9999. %



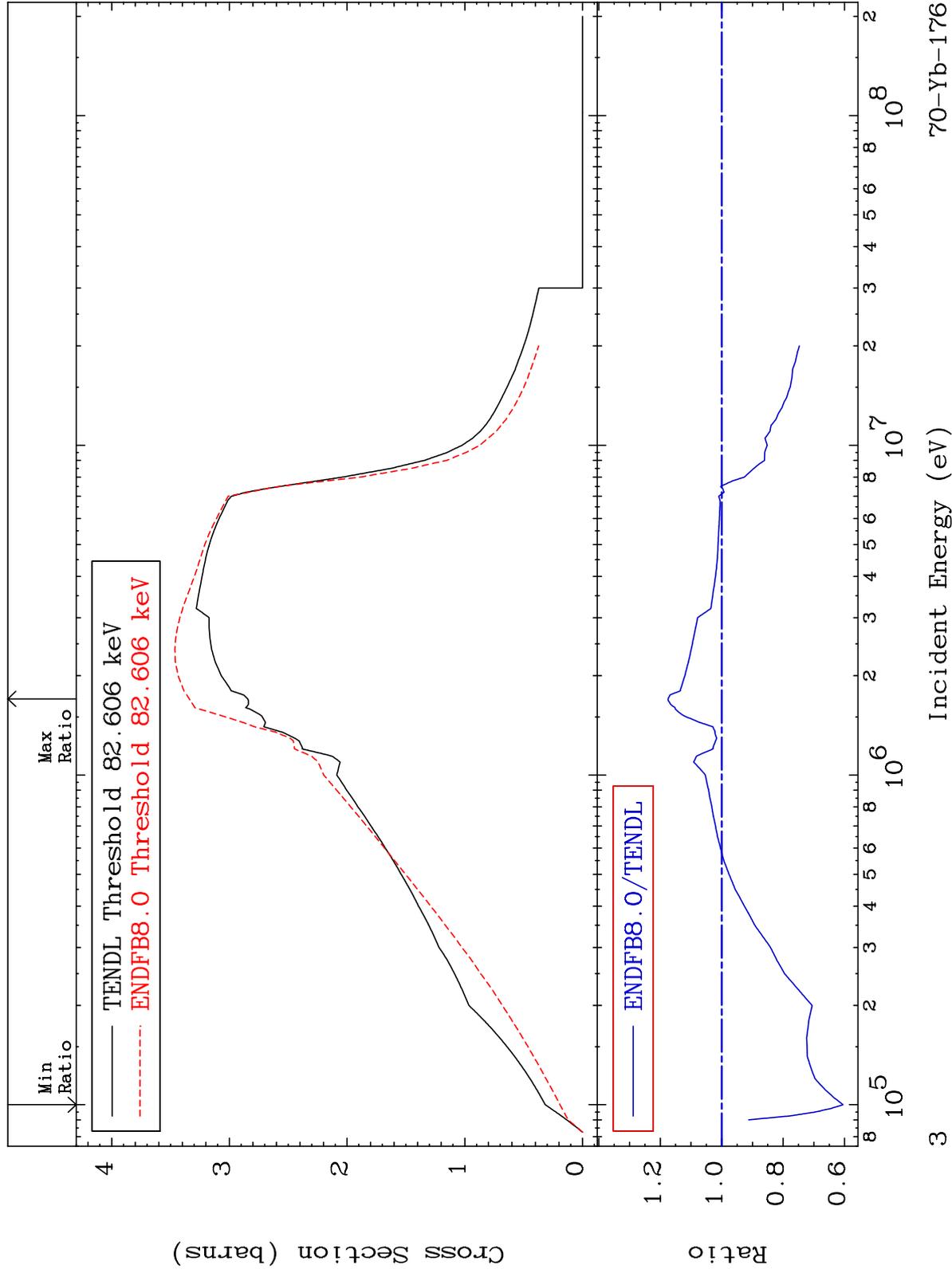
Incident Energy (eV)

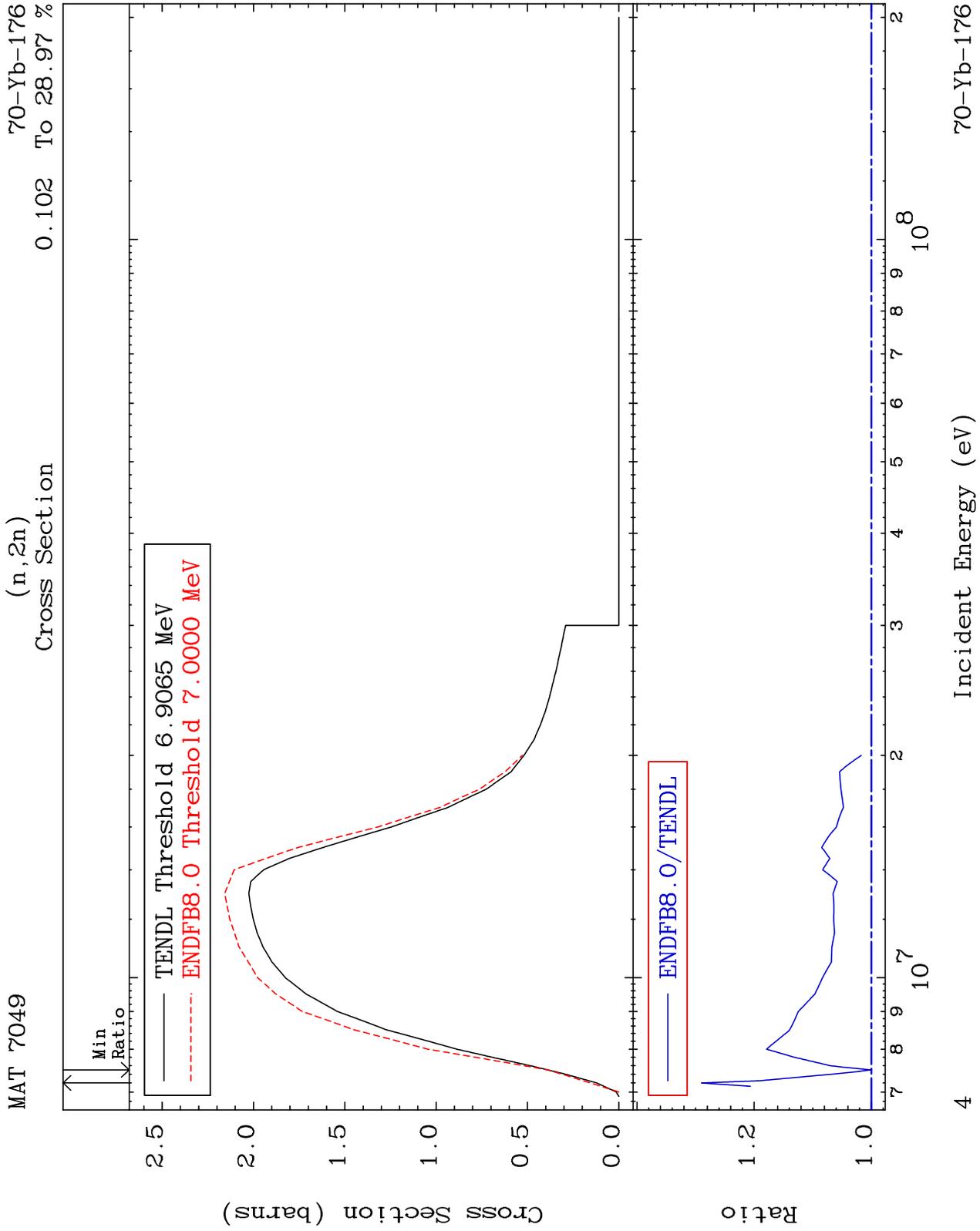
70-Yb-176

MAT 7049

Inelastic
Cross Section

70-Yb-176
-39.49 To 17.44 %





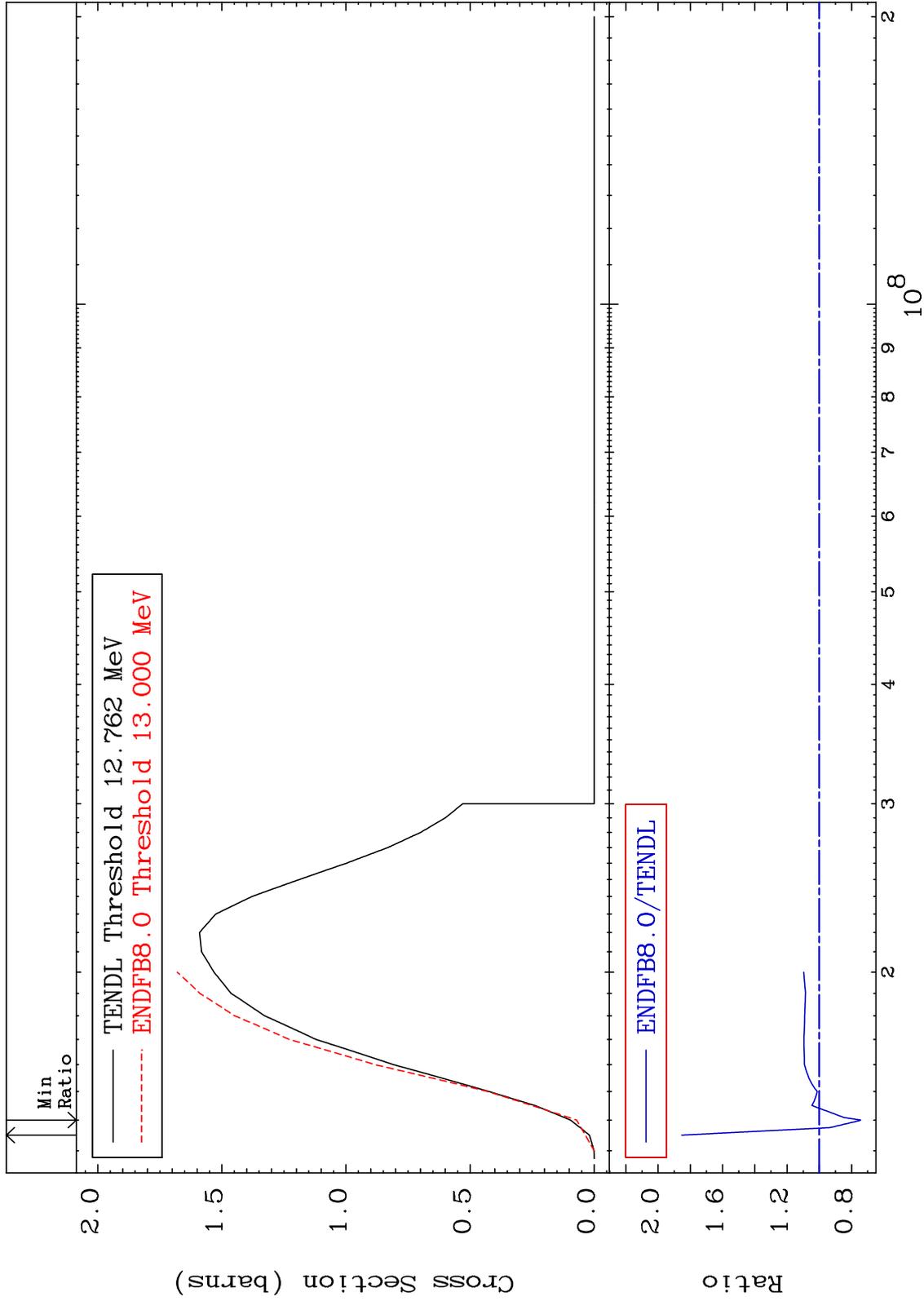
MAT 7049

(n, 3n)

⁷⁰Yb-176

Cross Section

-25.64 To 85.35 %



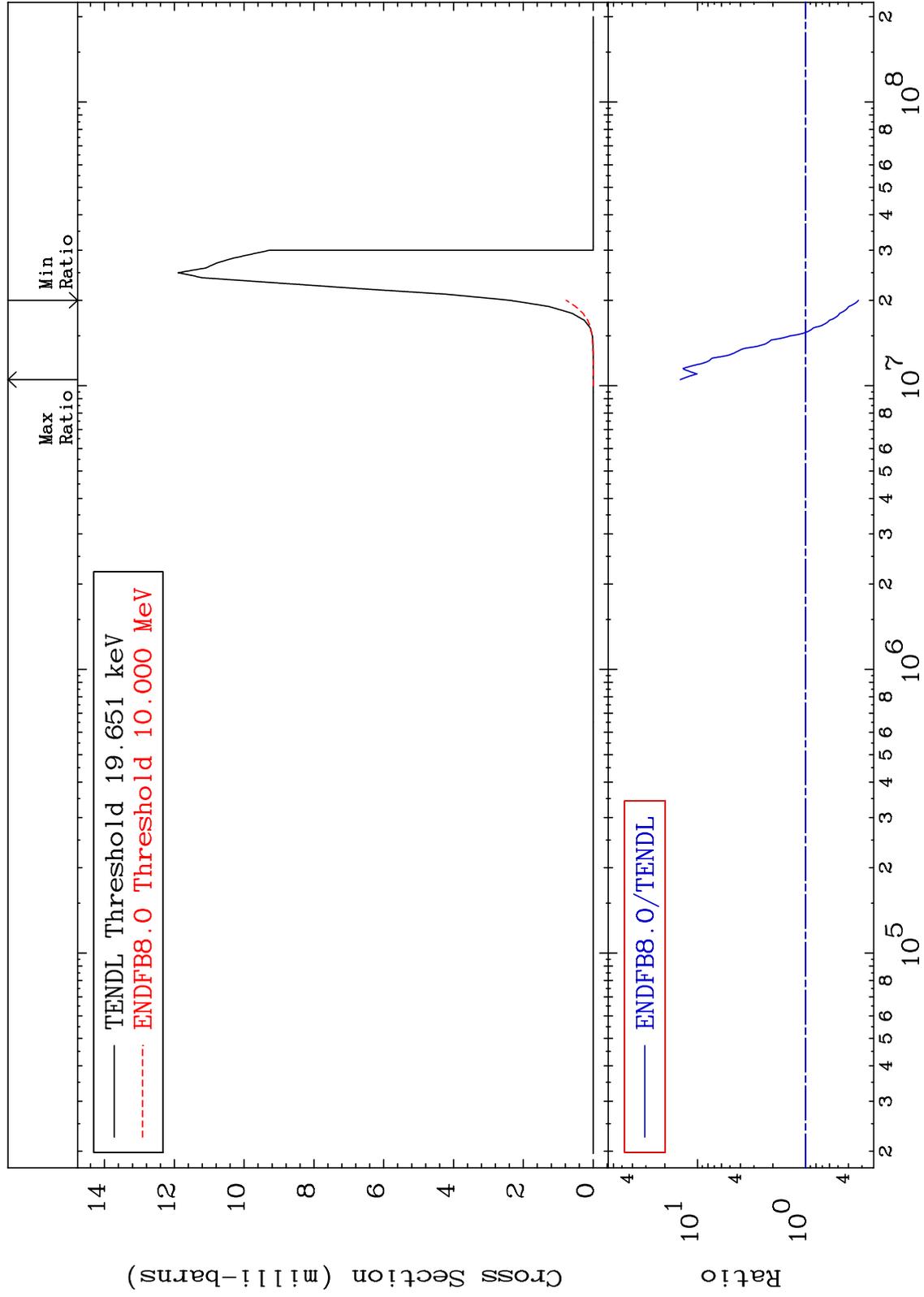
MAT 7049

(n, n') α

Cross Section

70-Yb-176

-67.70 To 1339. %



6

Incident Energy (eV)

70-Yb-176

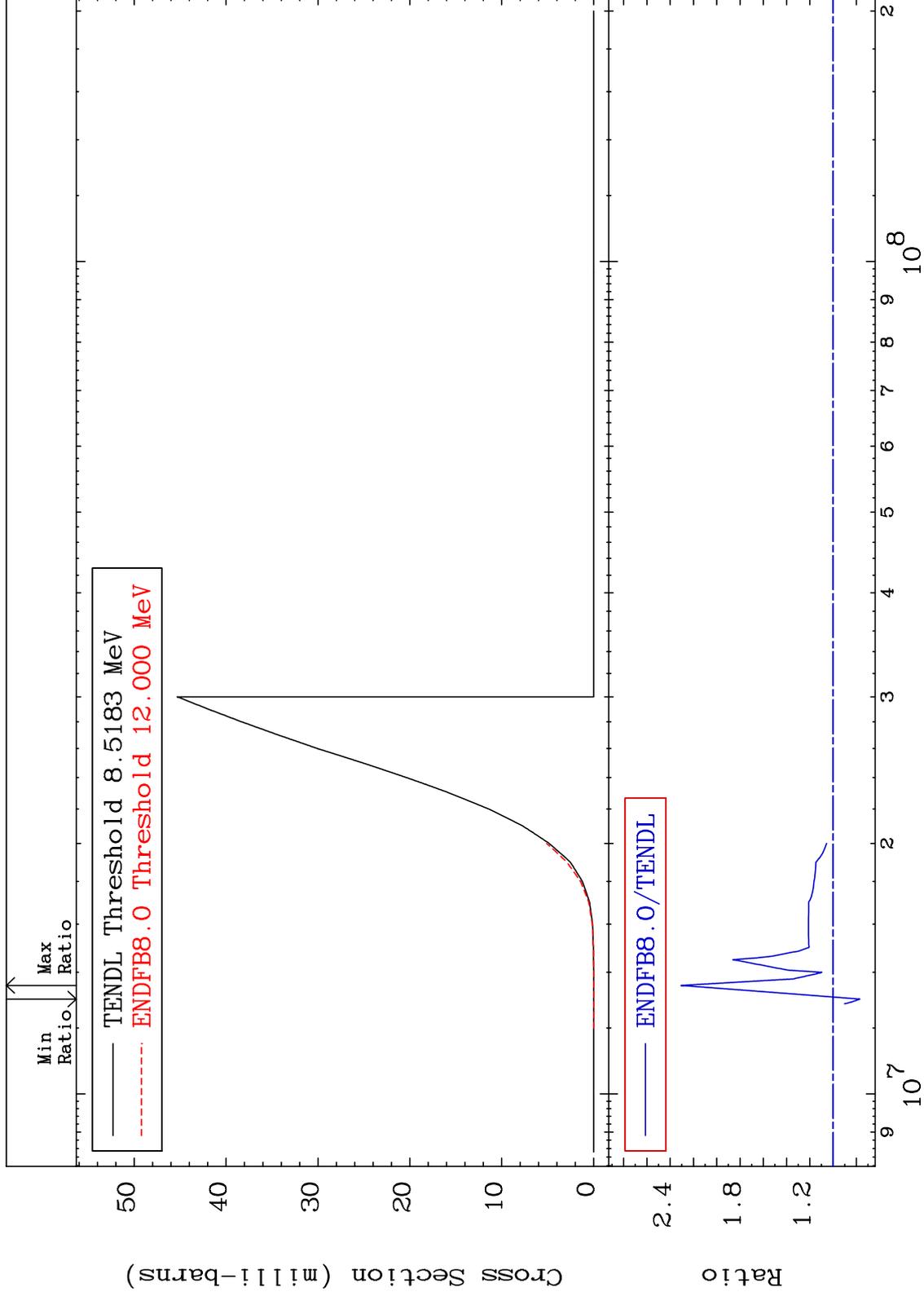
MAT 7049

(n,n') p

70-Yb-176

Cross Section

-23.04 To 130.6 %



Incident Energy (eV)

70-Yb-176

7

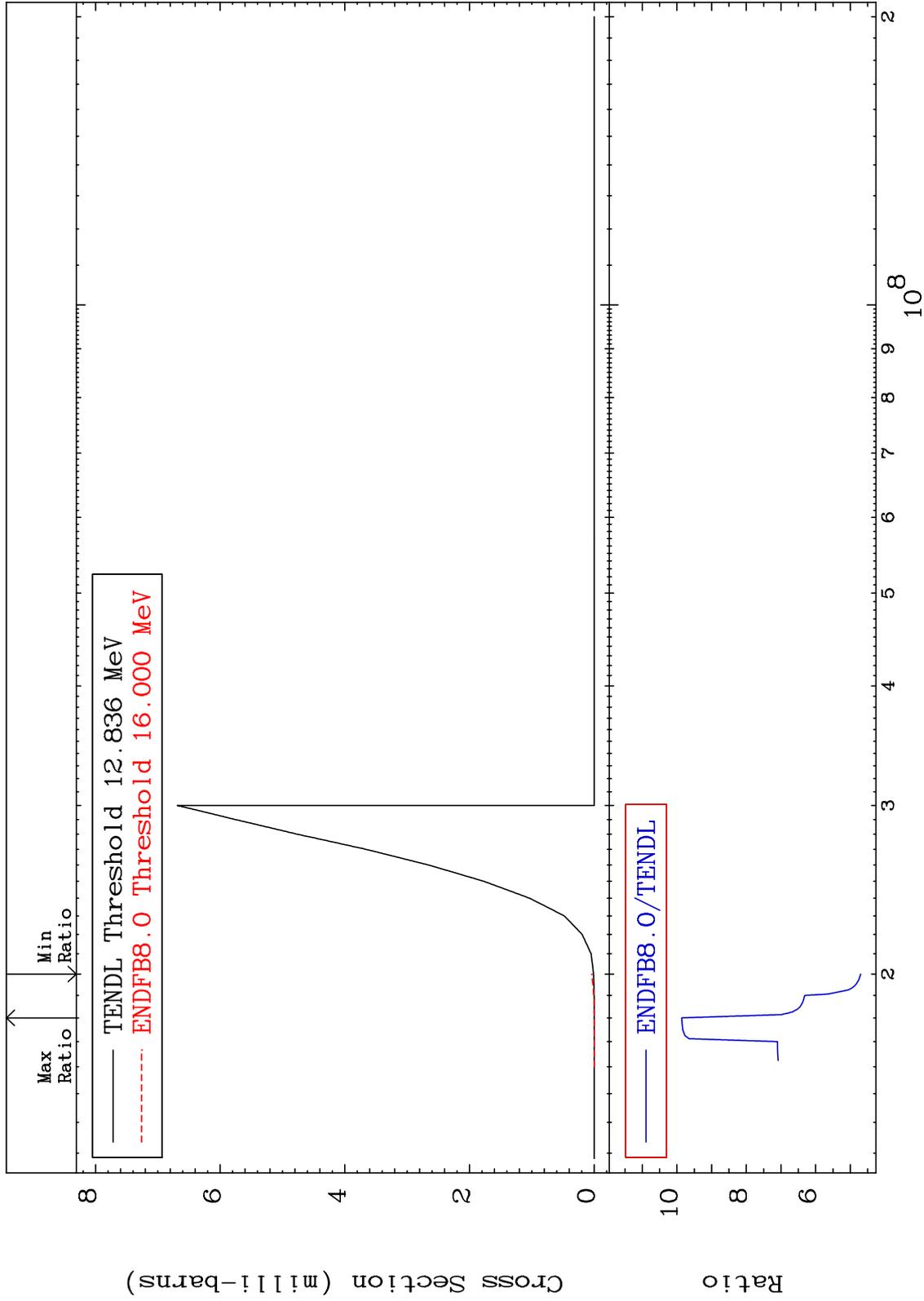
MAT 7049

(n,n') d

70-Yb-176

Cross Section

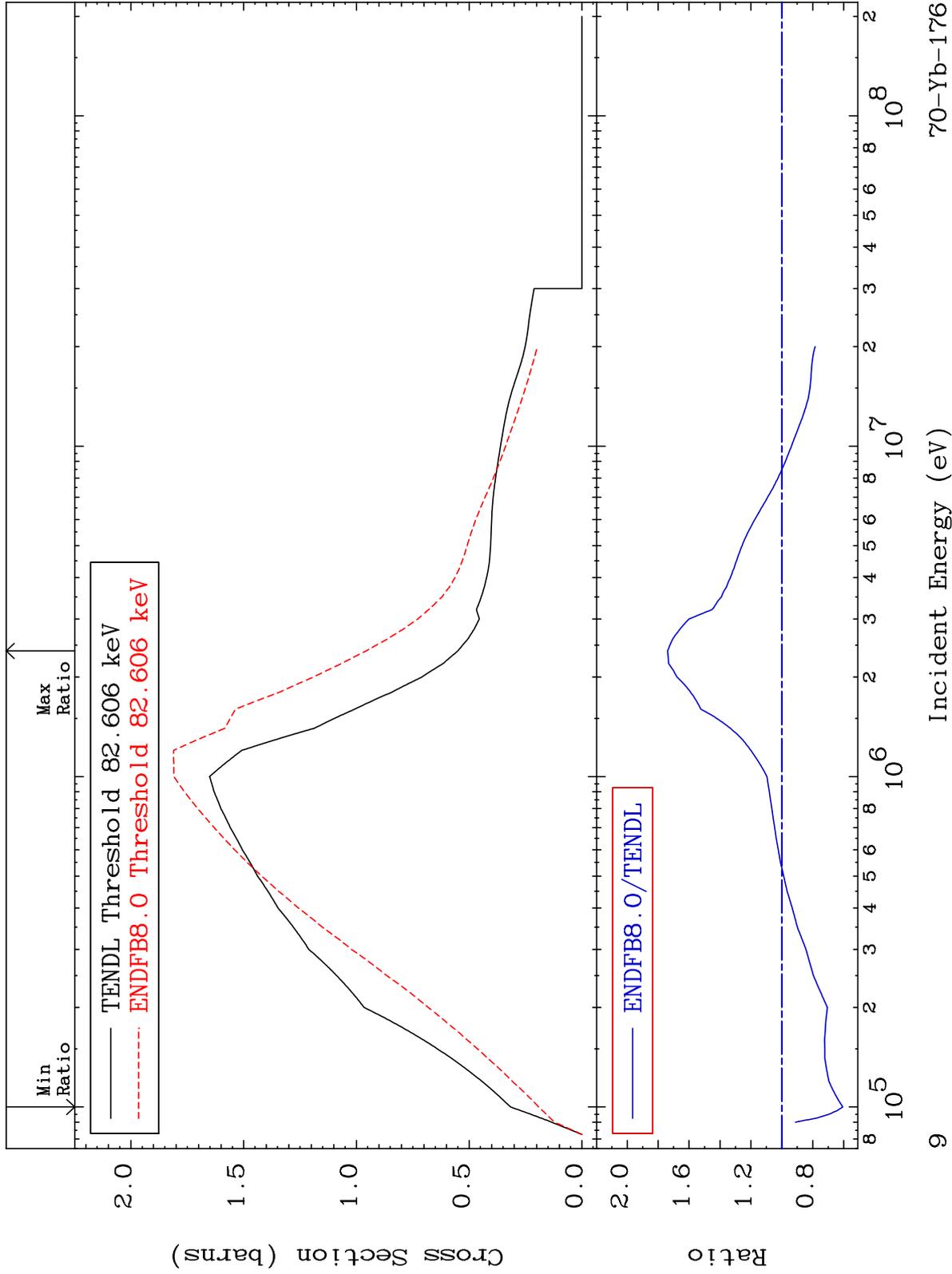
370.2 To 886.2 %



MAT 7049

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

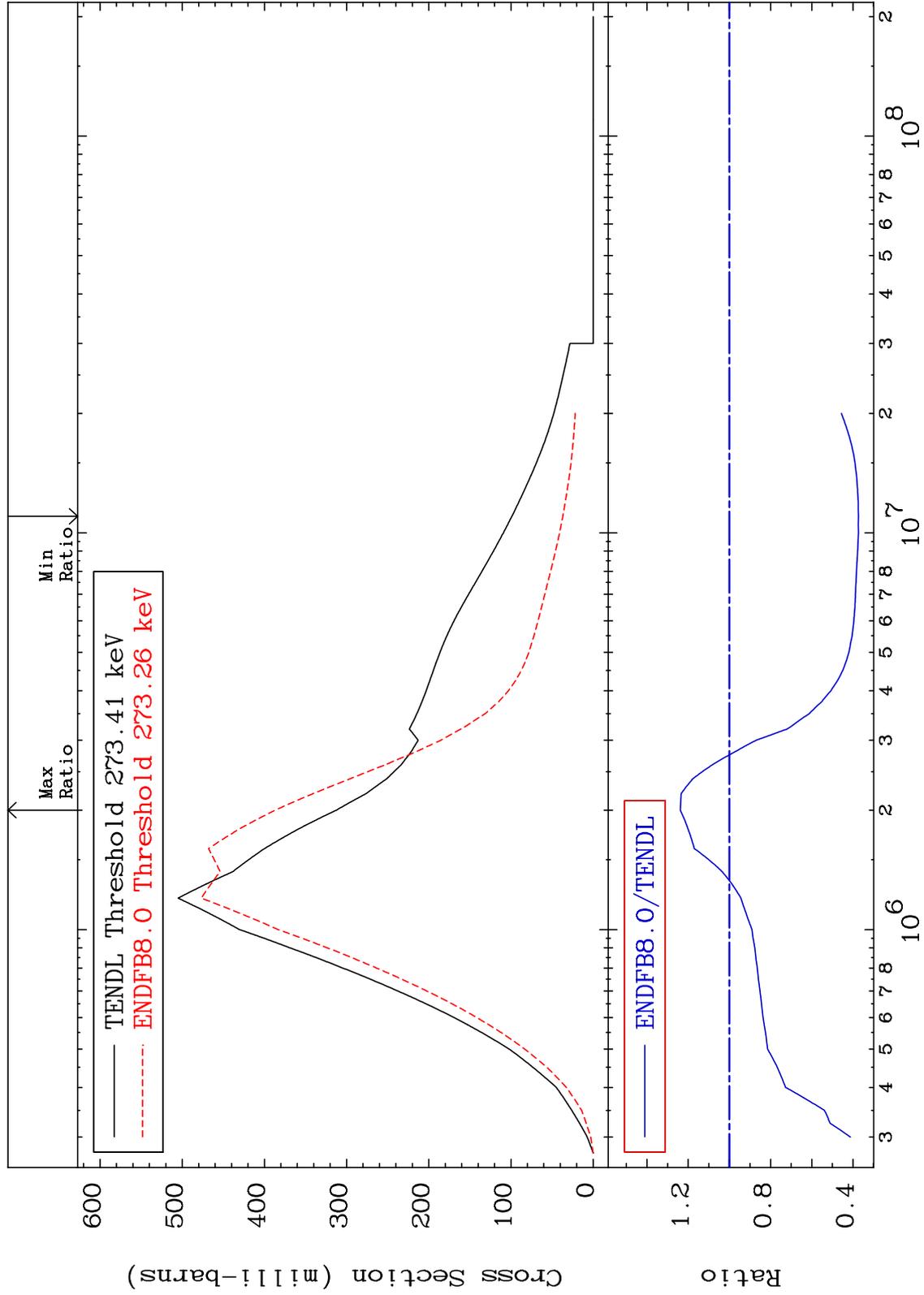
70-Yb-176
-39.49 To 73.87 %



MAT 7049

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

70-Yb-176
-62.68 To 23.79 %



10

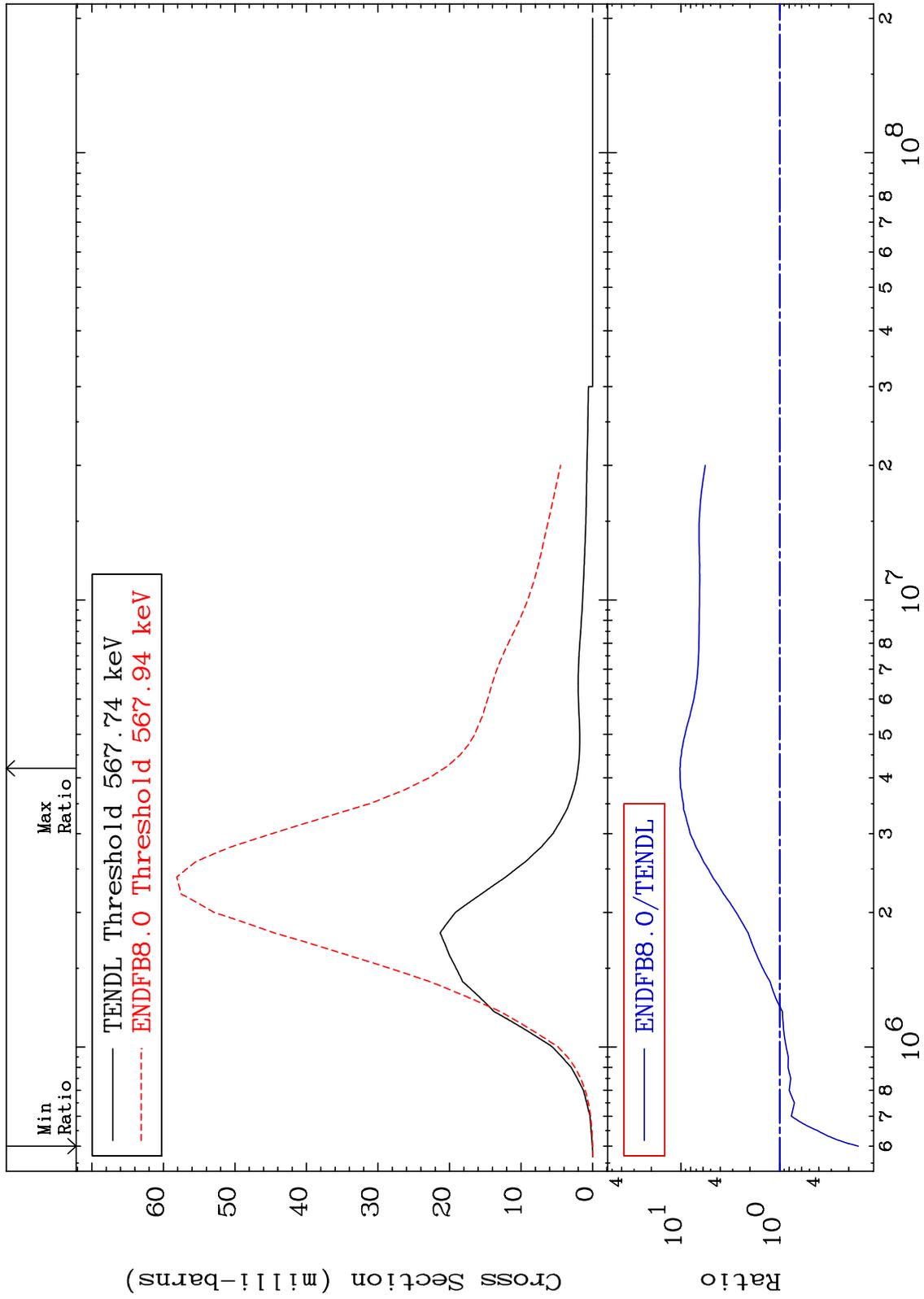
Incident Energy (eV)

70-Yb-176

MAT 7049

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

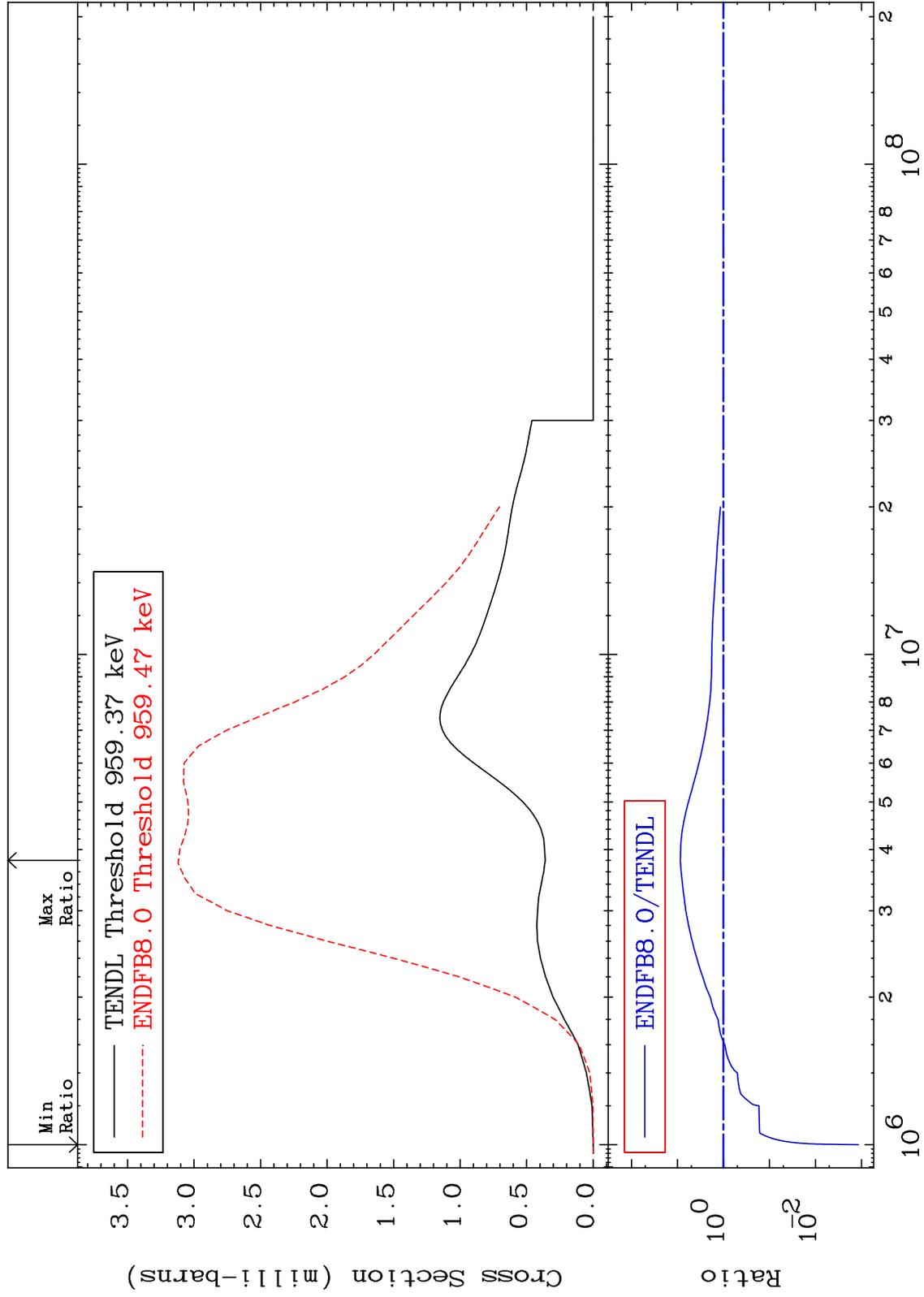
70-Yb-176
-84.07 To 925.7 %



MAT 7049

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

70-Yb-176
-99.88 To 764.6 %



70-Yb-176

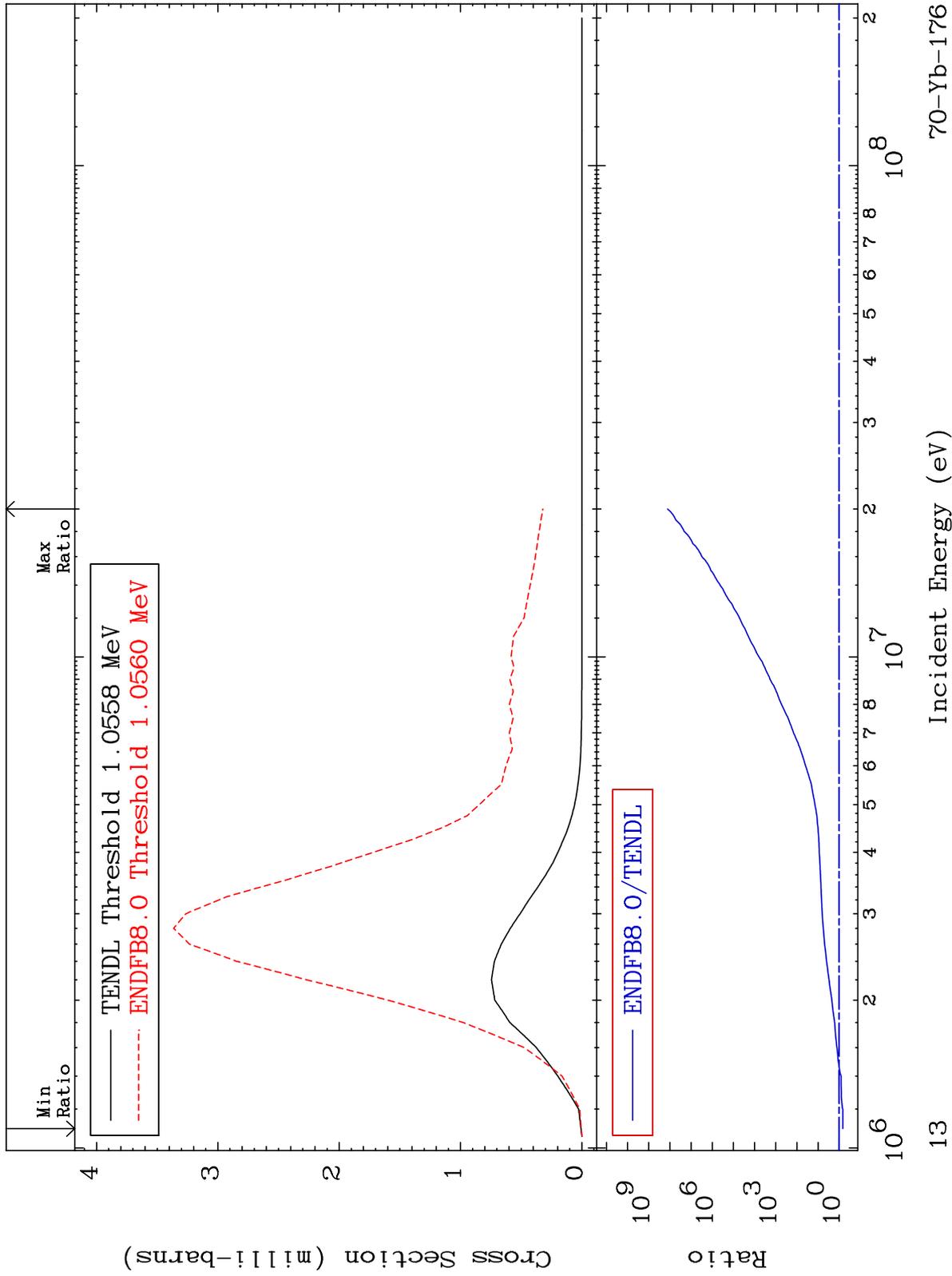
Incident Energy (eV)

12

MAT 7049

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

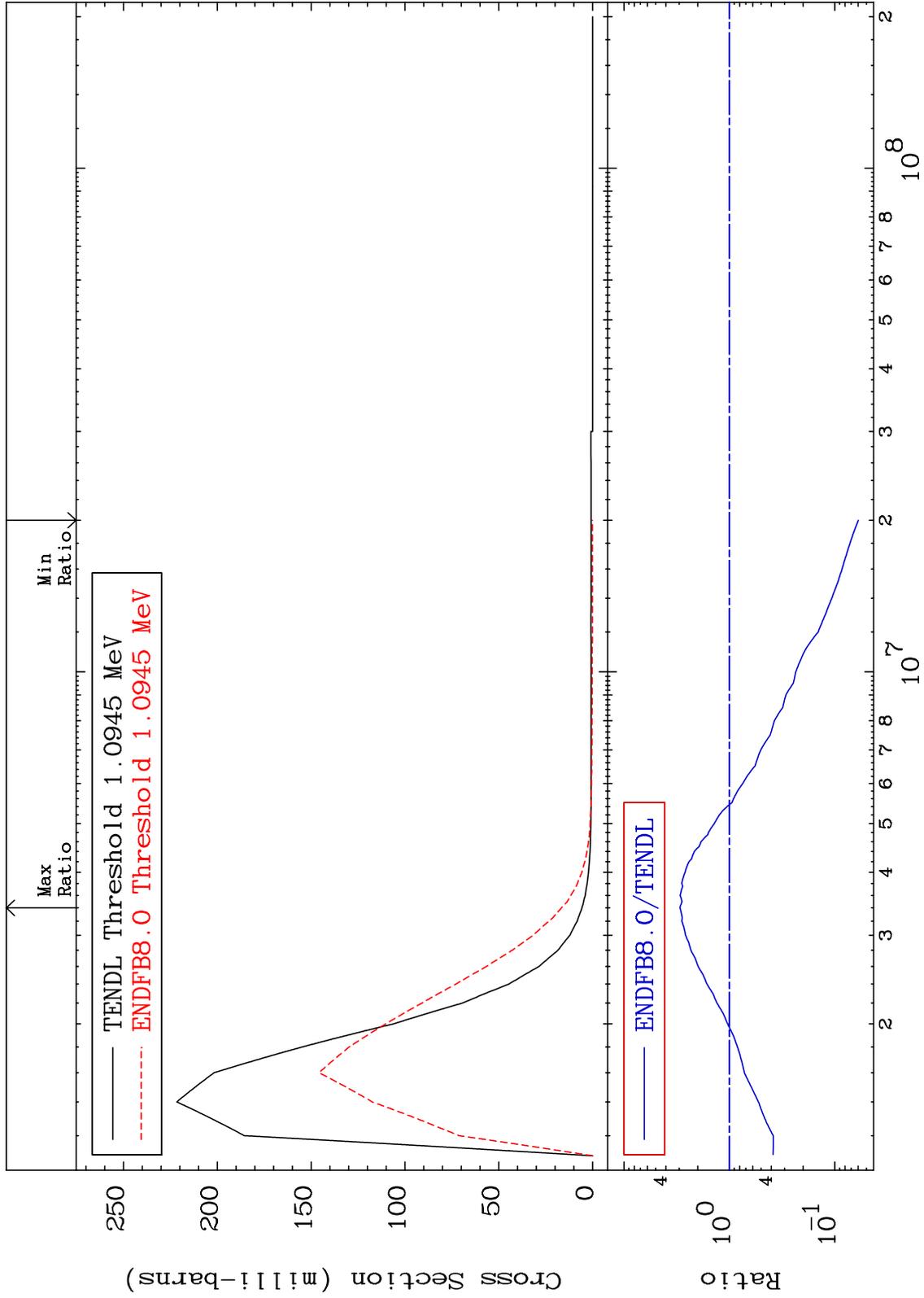
70-Yb-176
-32.49 To 9999. %



MAT 7049

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

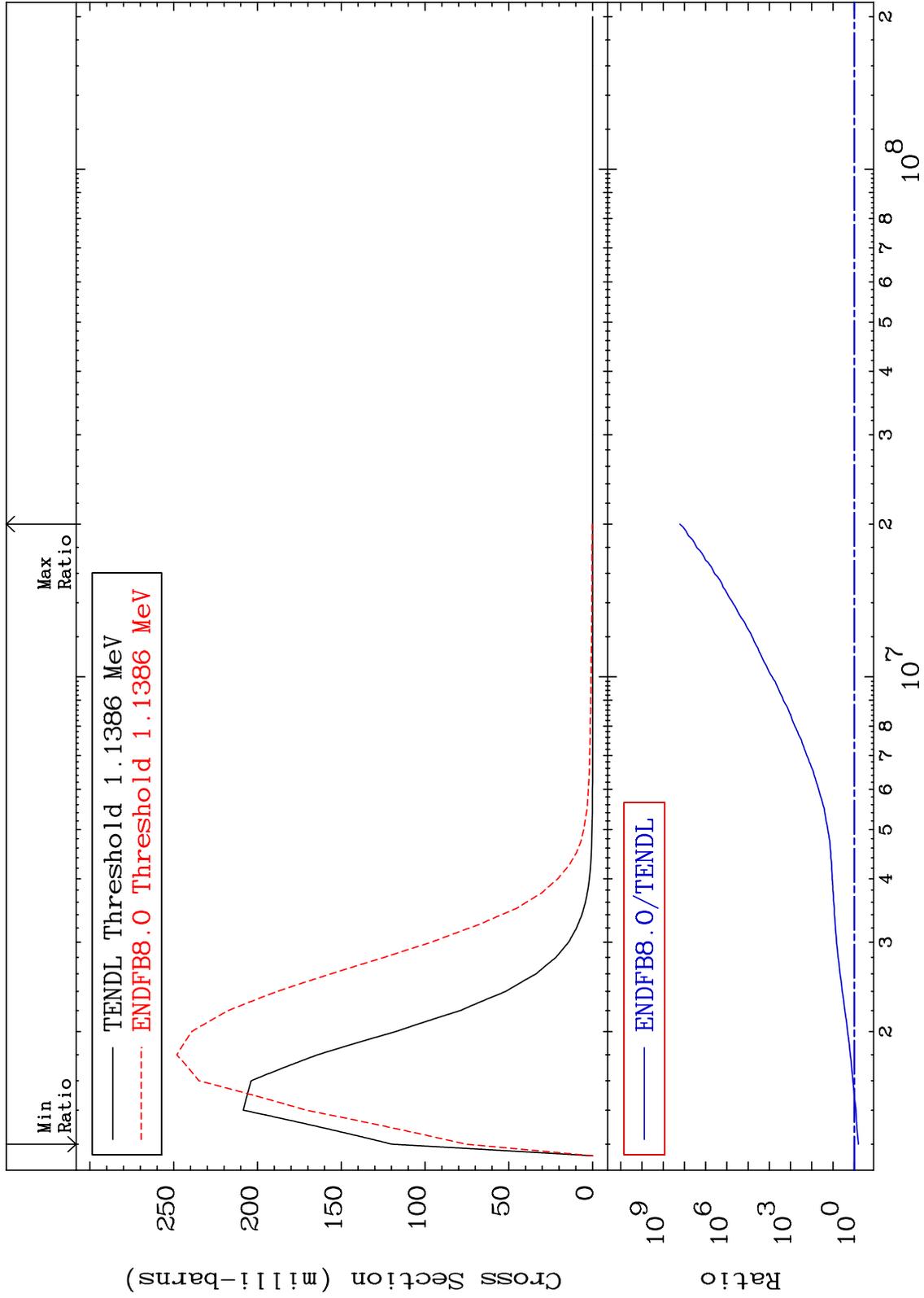
70-Yb-176
-94.03 To 194.6 %



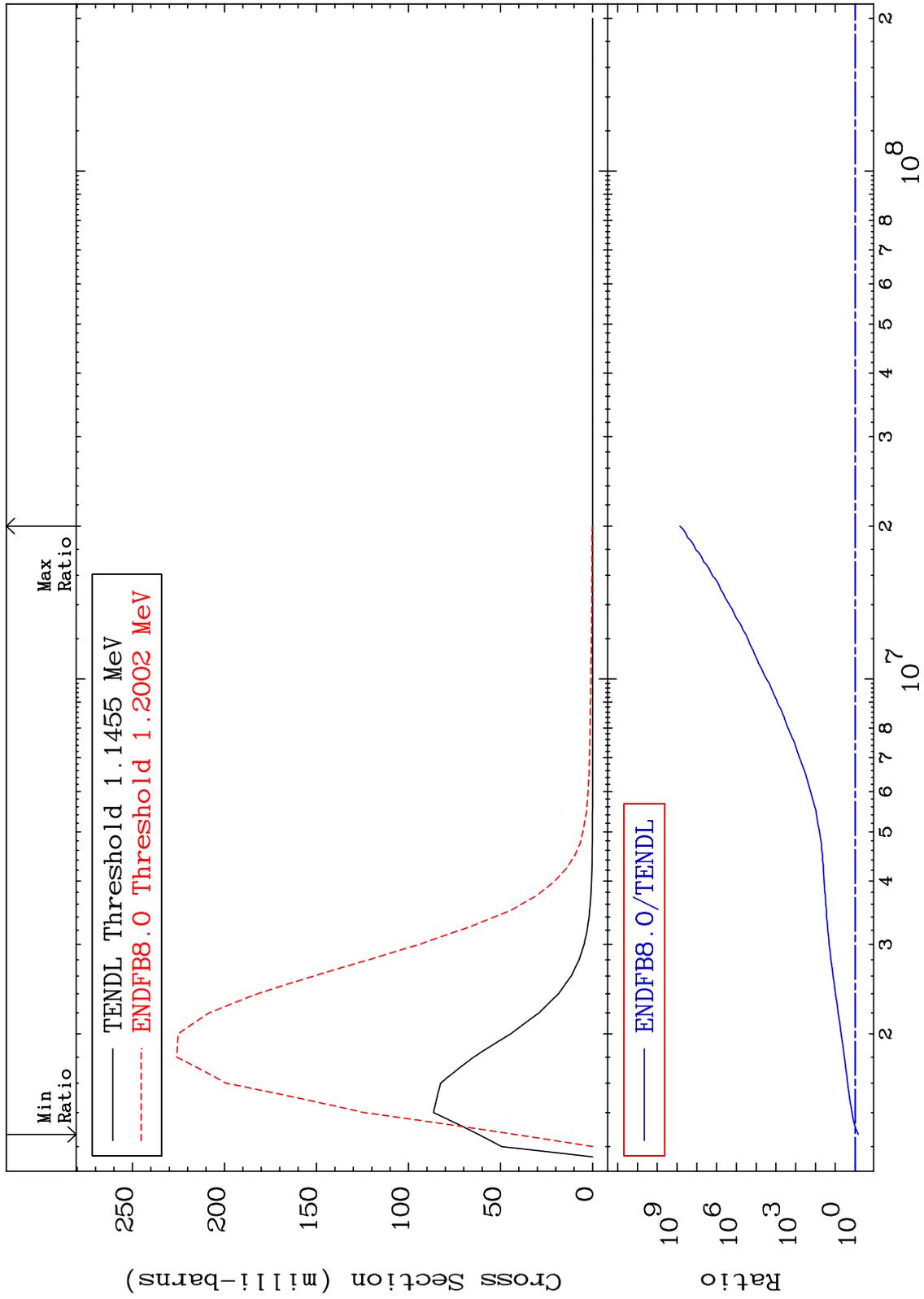
MAT 7049

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

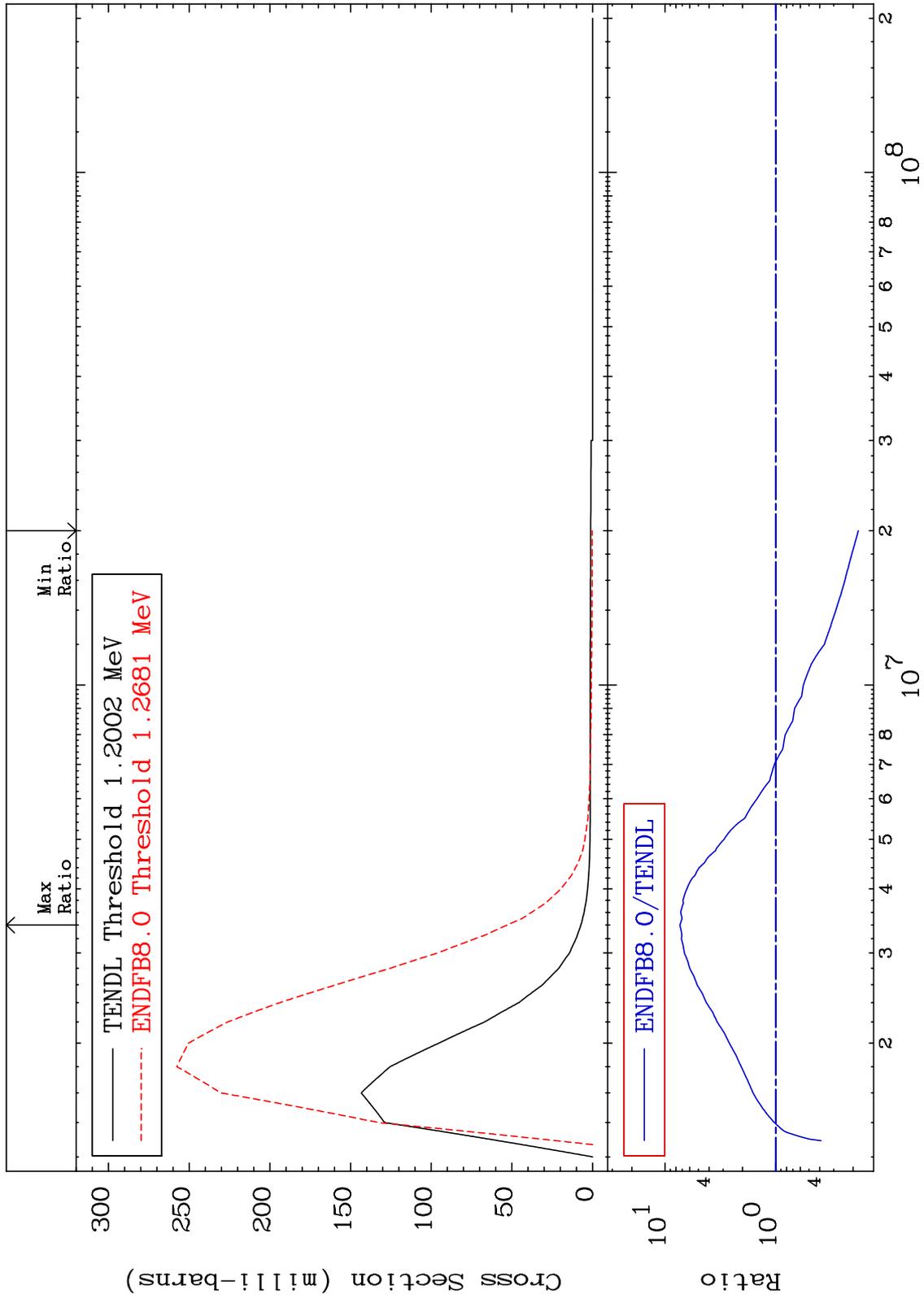
70-Yb-176
-36.86 To 9999. %



MAT 7049 MT= 58 (n, n') Level Cross Section 70-Yb-176
 -32.00 To 9999. %



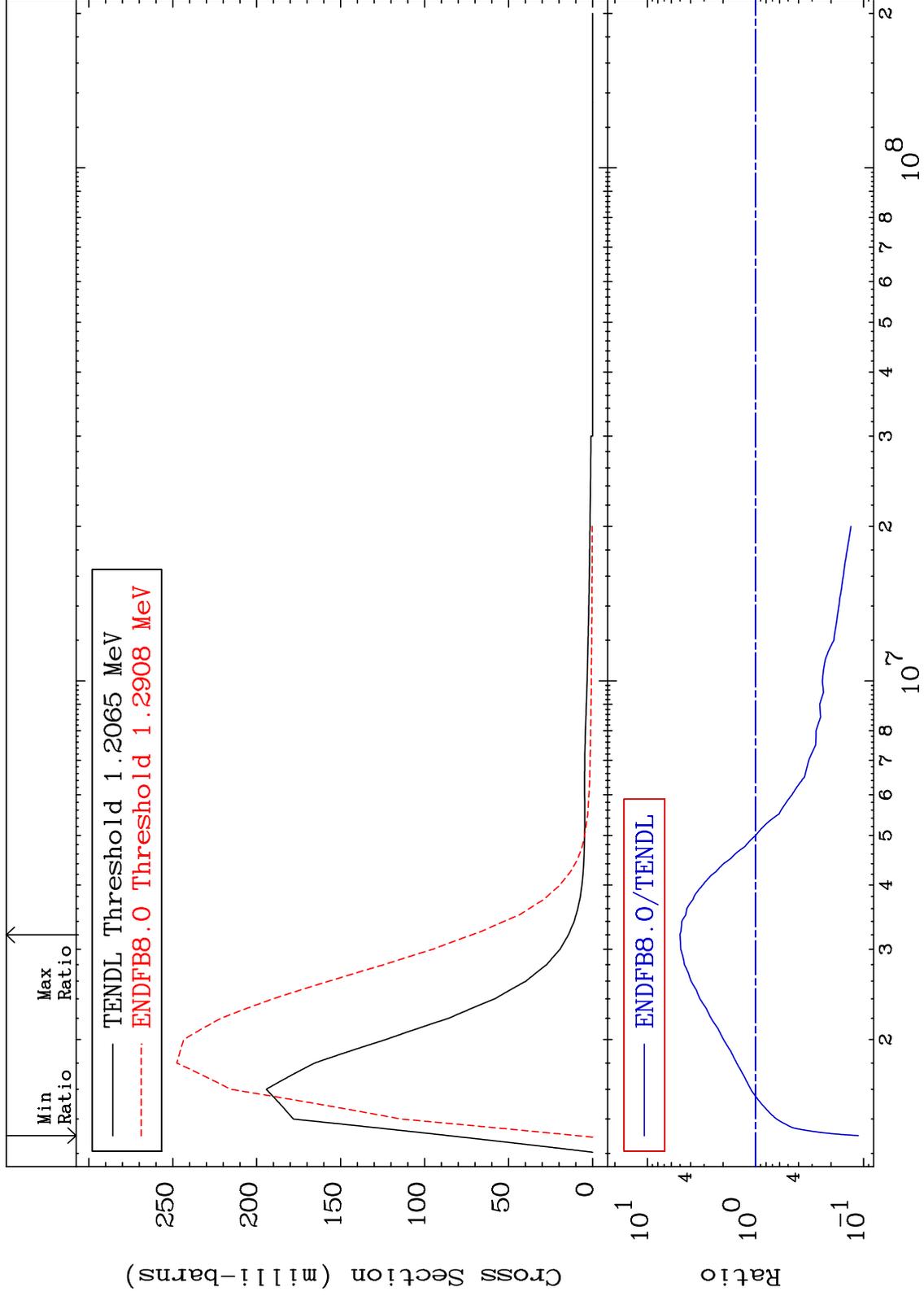
MAT 7049 MT= 59 (n, n') Level Cross Section 70-Yb-176 -82.09 To 634.6 %



MAT 7049

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

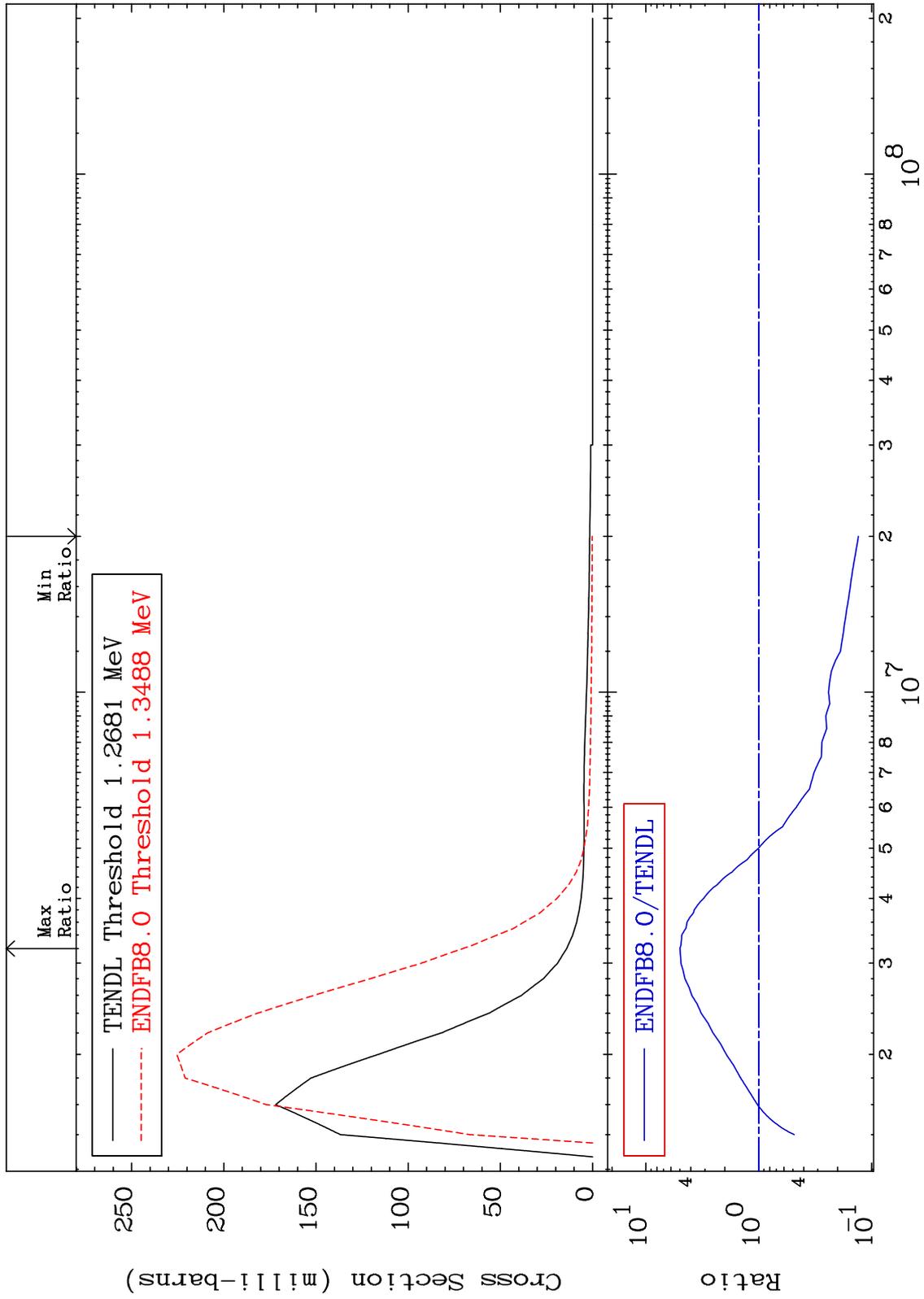
70-Yb-176
-88.81 To 400.7 %



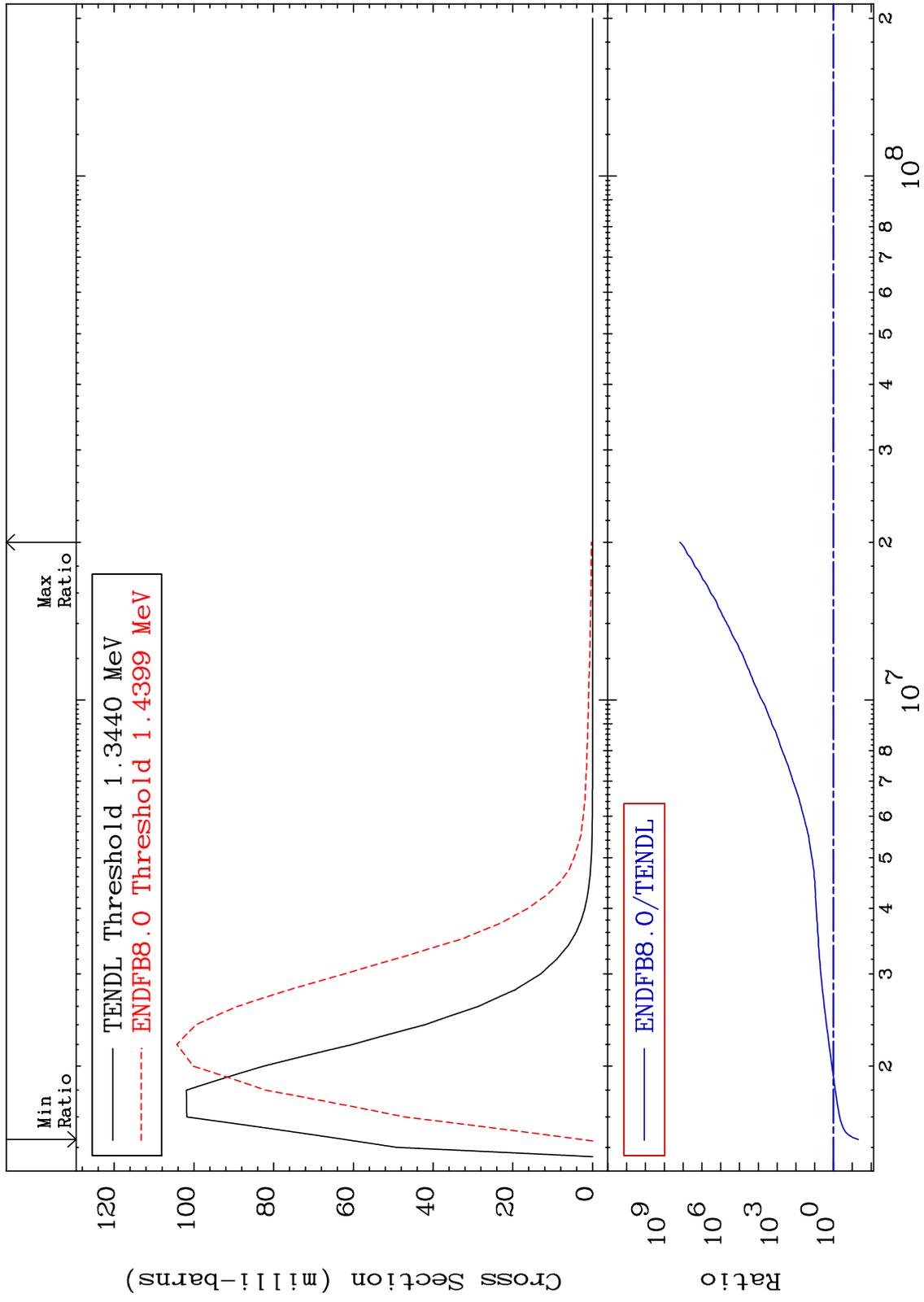
MAT 7049

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

70-Yb-176
-86.89 To 399.8 %



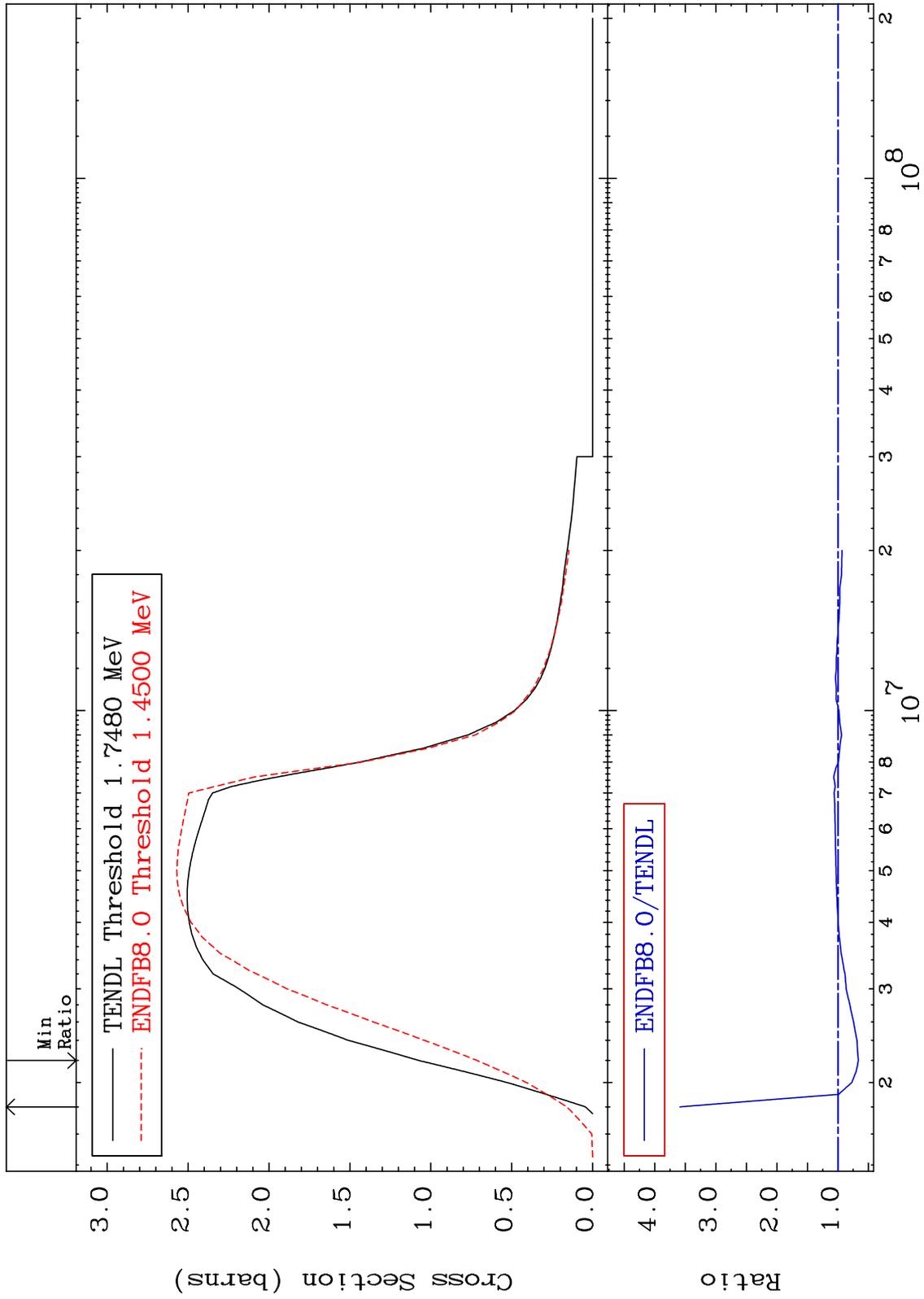
MAT 7049 MT= 63 (n,n') Level Cross Section -95.25 To 9999. % 70-Yb-176



MAT 7049

(n, n') Continuum
Cross Section

70-Yb-176
-33.50 To 258.9 %

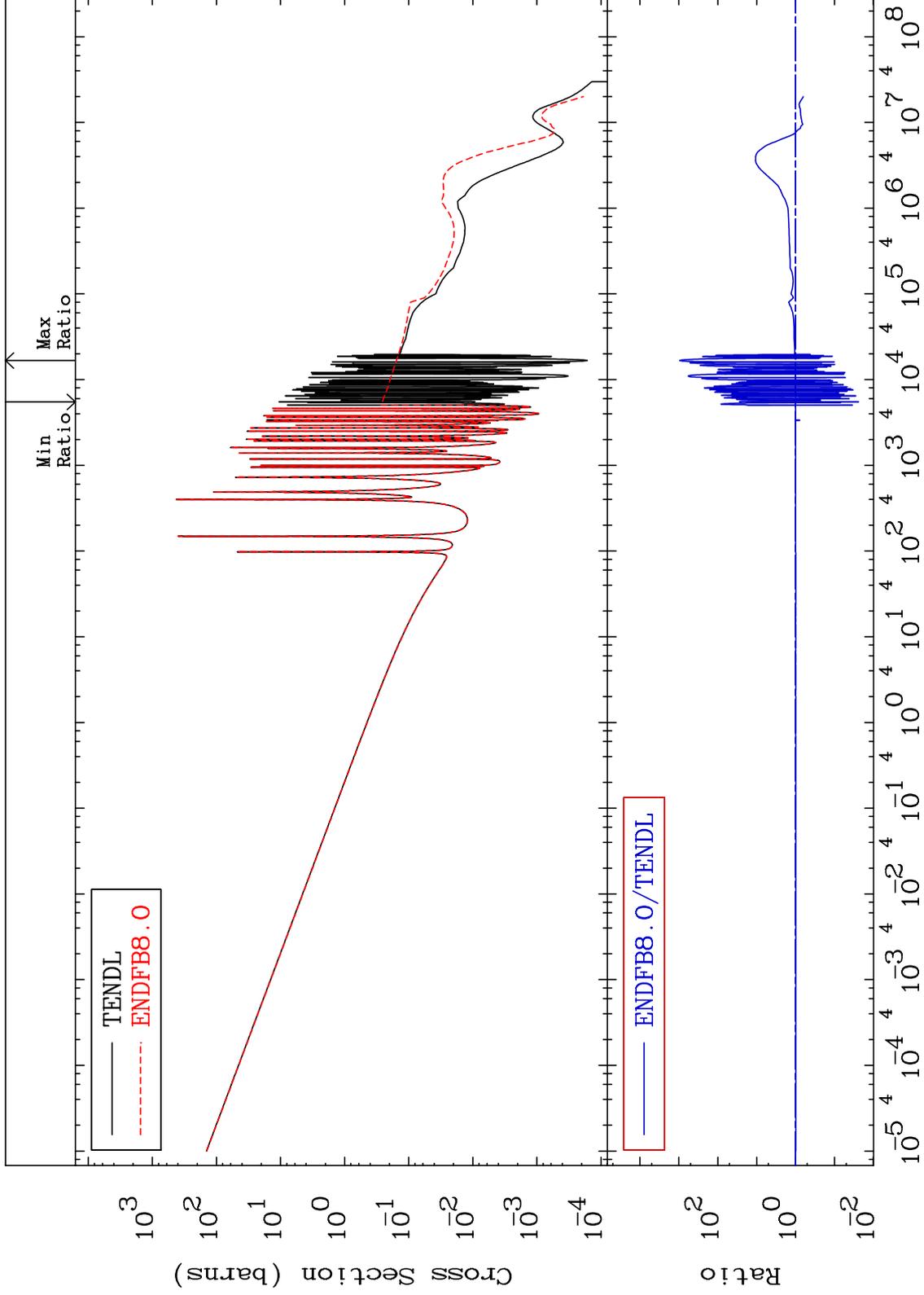


MAT 7049

(n, γ)

70-Yb-176
-97.56 To 9999. %

Cross Section



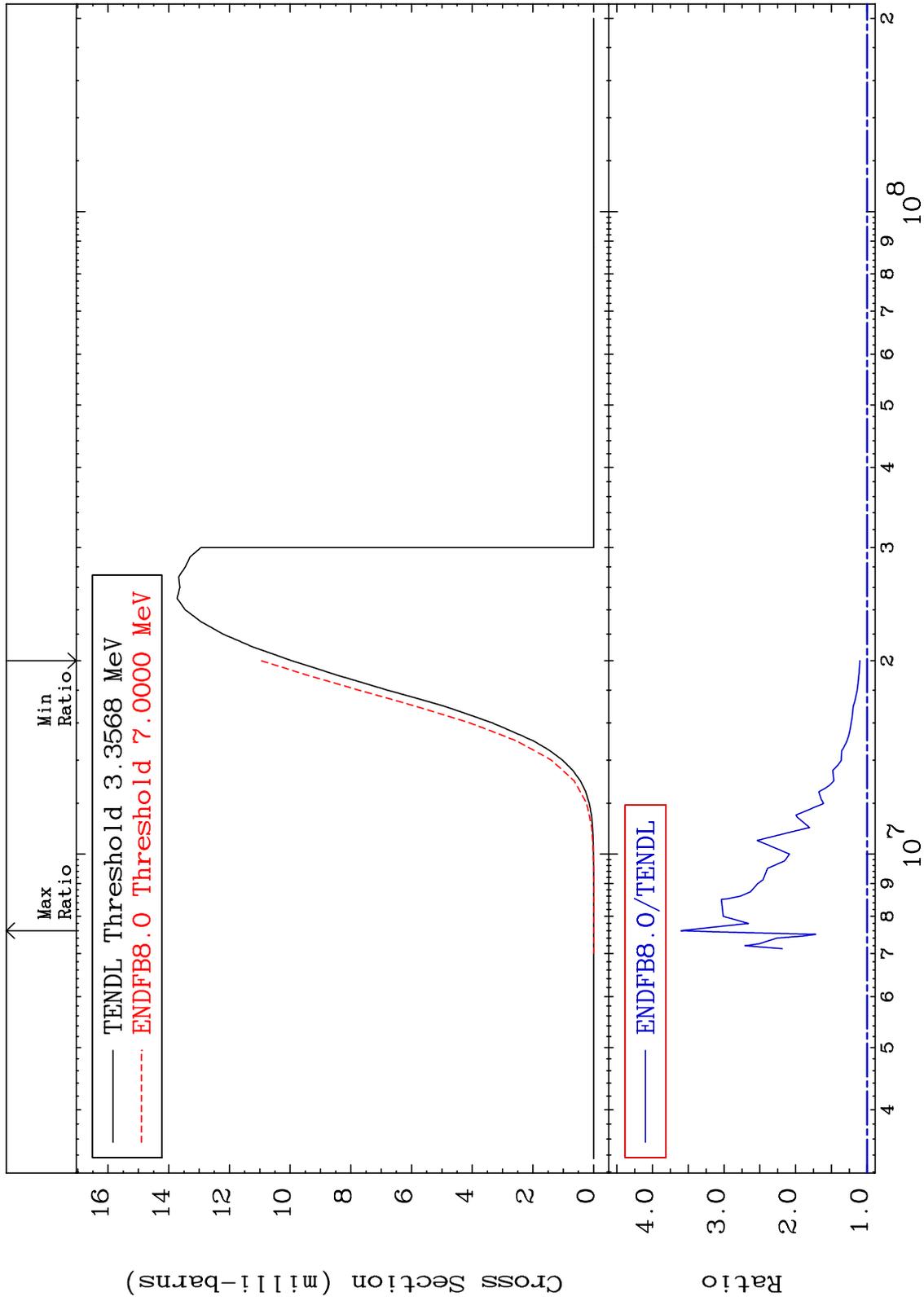
Incident Energy (eV)

70-Yb-176

23

MAT 7049

(n, p)
Cross Section
10.13 To 260.0 %
70-Yb-176



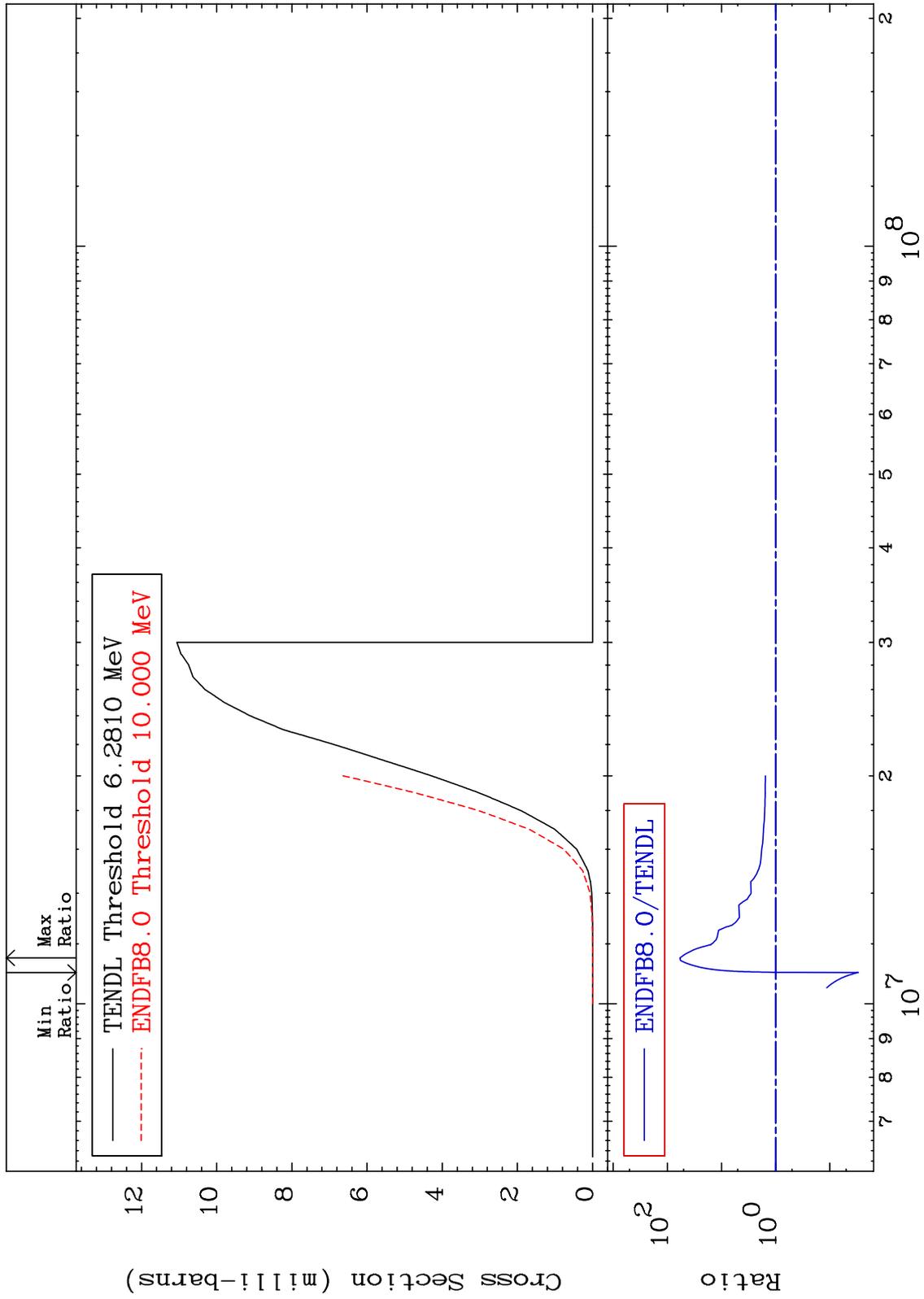
MAT 7049

(n,d)

70-Yb-176

Cross Section

-97.04 To 5749. %



25

Incident Energy (eV)

70-Yb-176

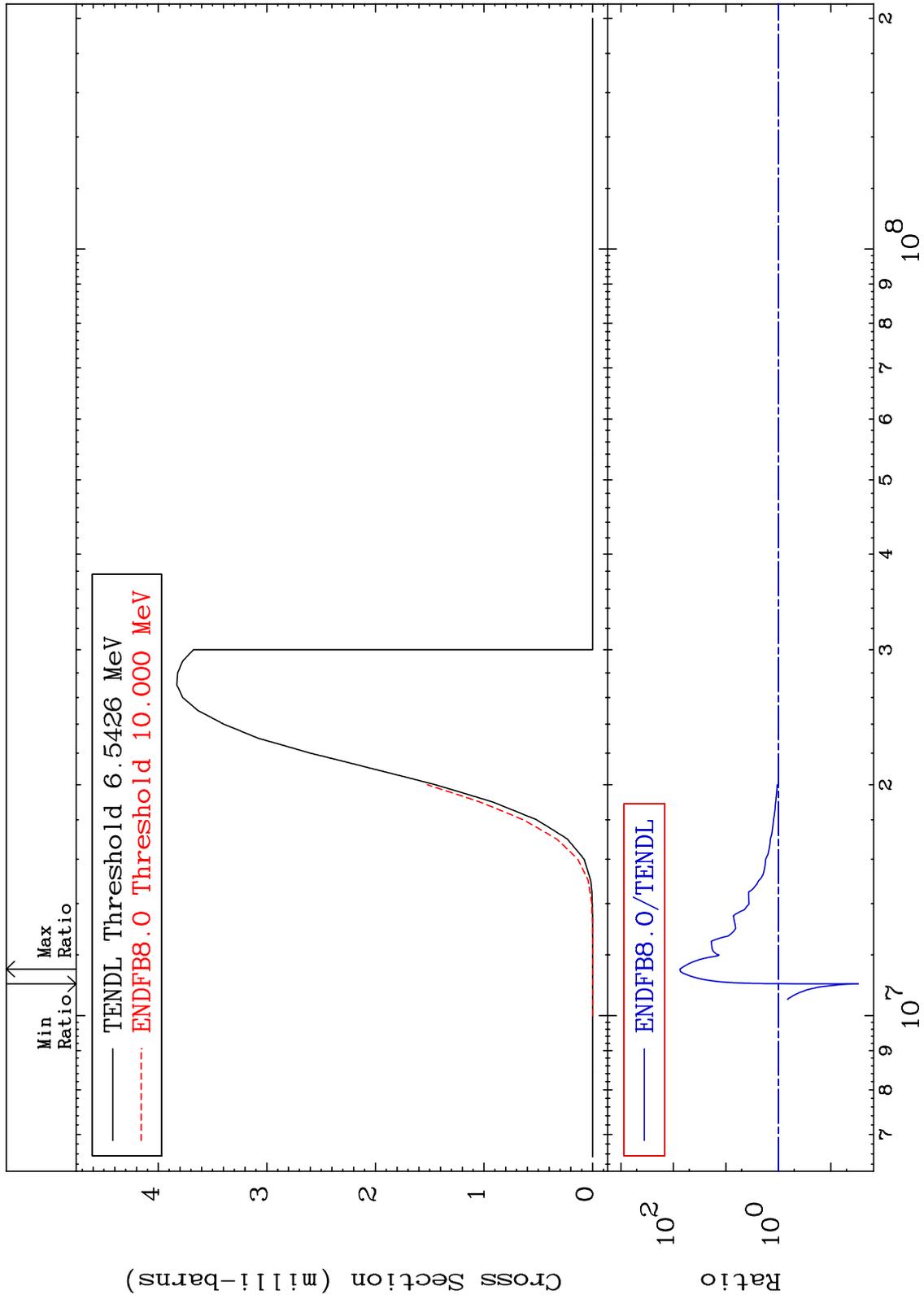
MAT 7049

(n, t)

70-Yb-176

Cross Section

-97.01 To 7417. %



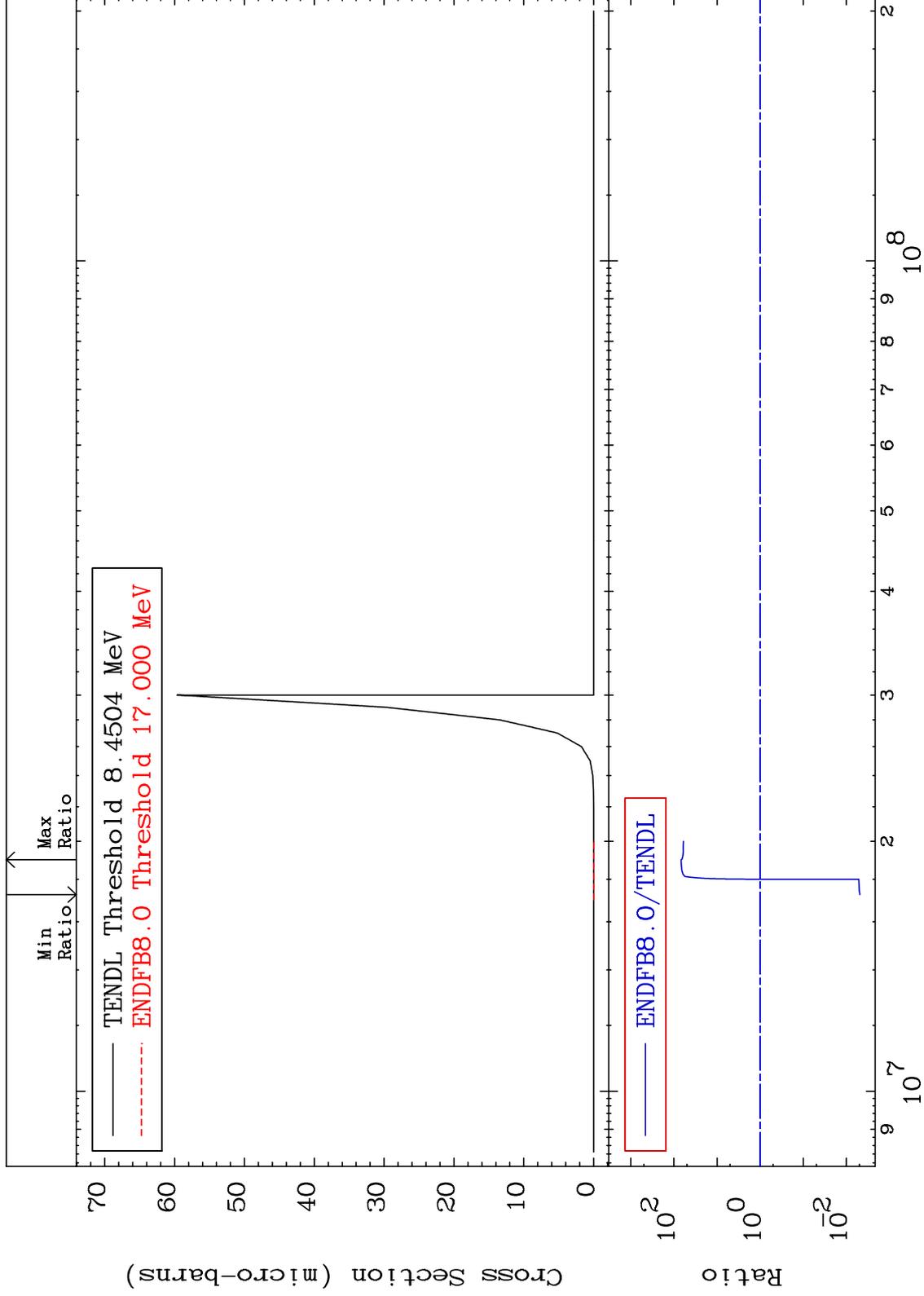
MAT 7049

(n, He-3)

70-Yb-176

Cross Section

-99.51 To 6715. %



27

Incident Energy (eV)

70-Yb-176

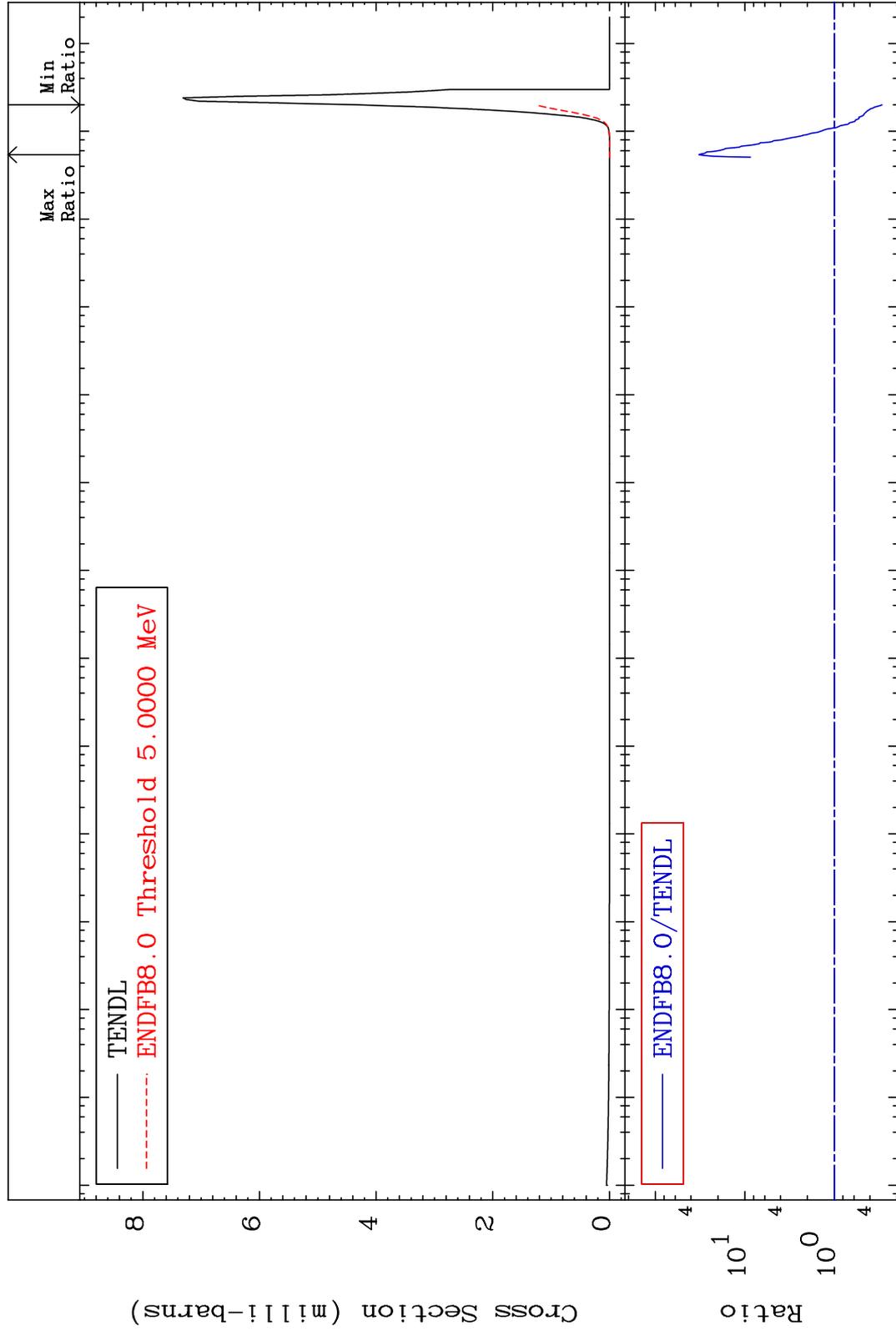
MAT 7049

(n, α)

70-Yb-176

Cross Section

-70.78 To 3150. %



28

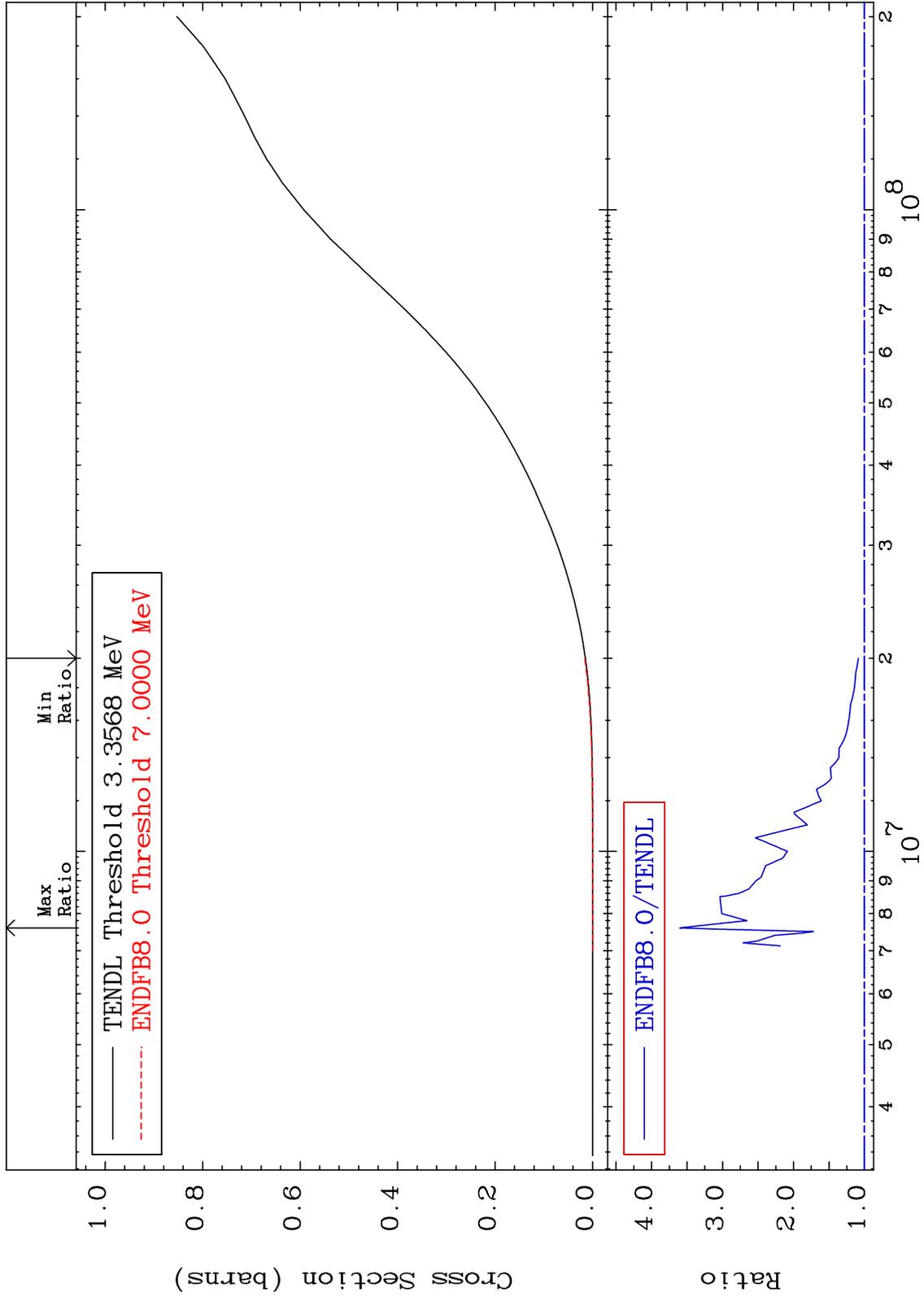
Incident Energy (eV)

70-Yb-176

MAT 7049

Hydrogen Production
Cross Section

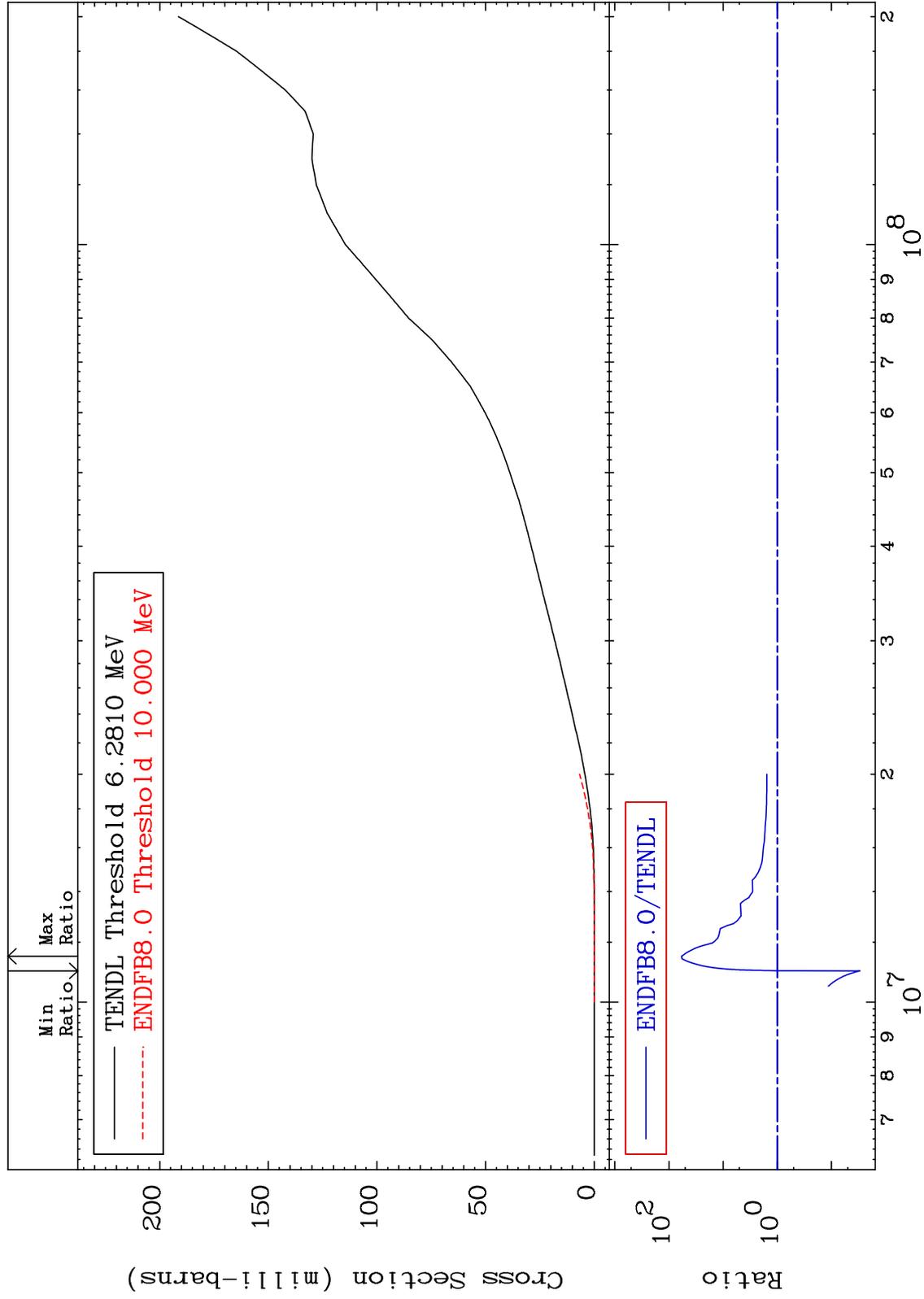
70-Yb-176
To 260.0 %
8.651



MAT 7049

Deuterium Production
Cross Section

70-Yb-176
-97.04 To 5749. %



30

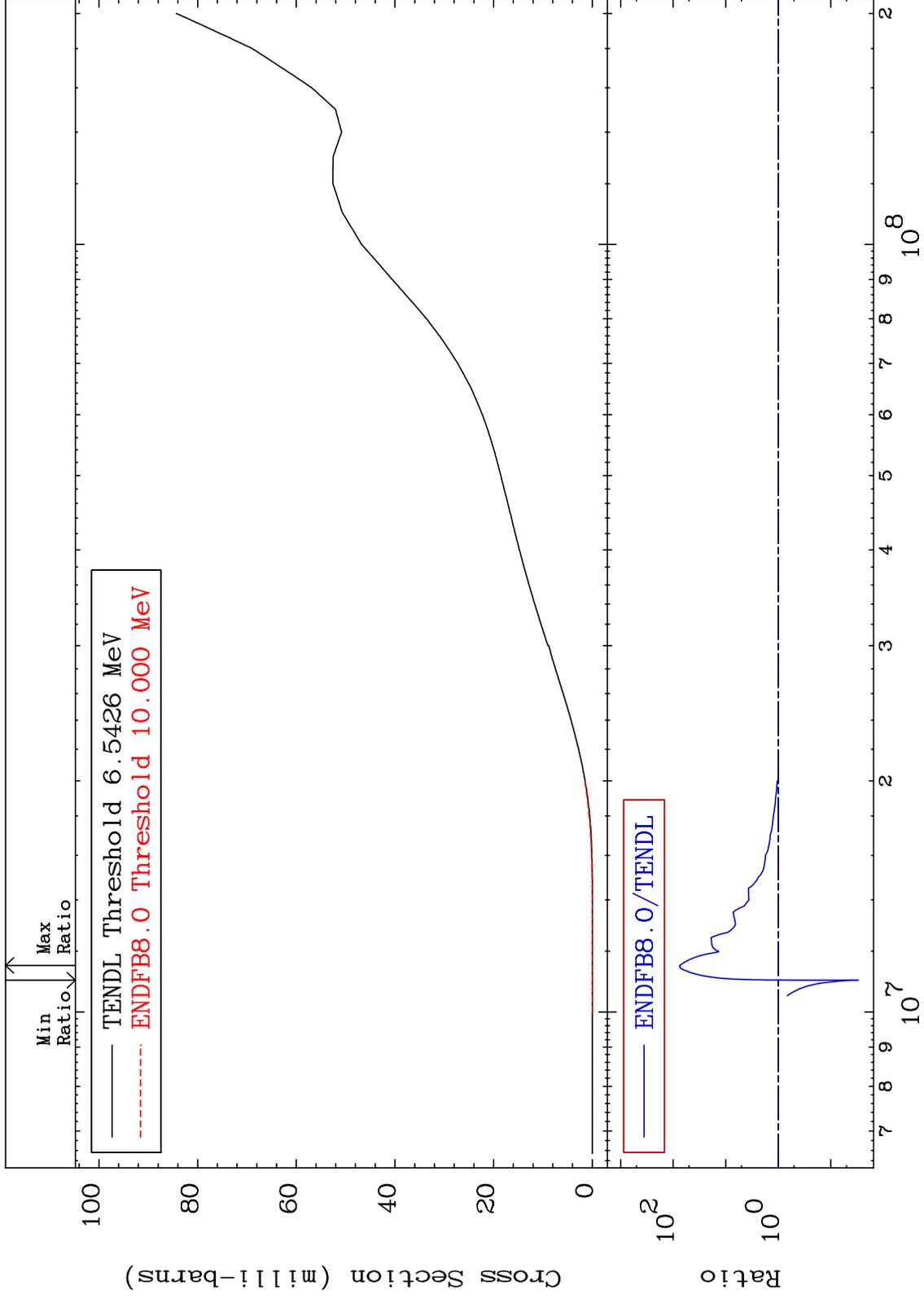
Incident Energy (eV)

70-Yb-176

MAT 7049

Tritium Production
Cross Section

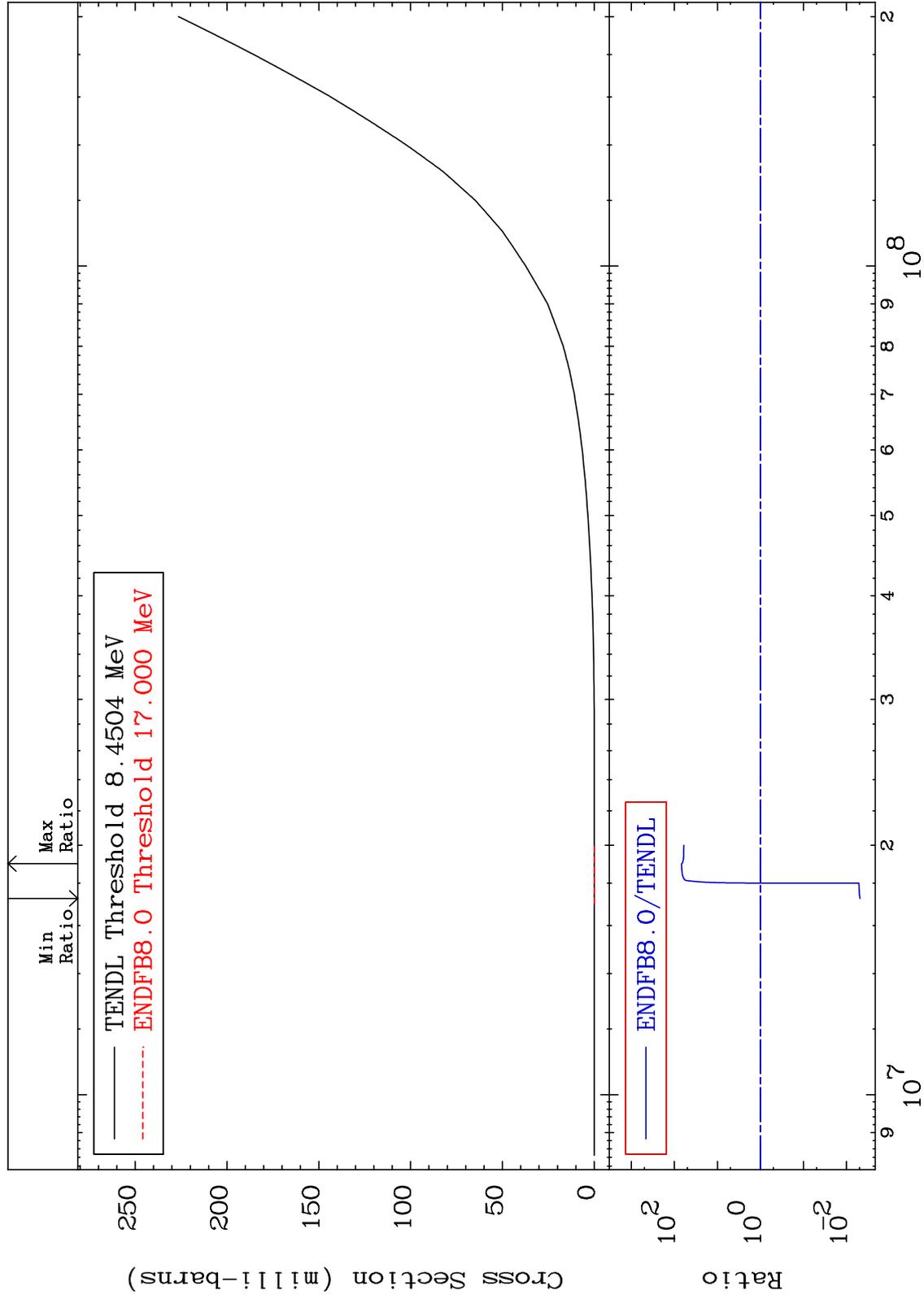
70-Yb-176
-97.01 To 7417. %



MAT 7049

He-3 Production
Cross Section

70-Yb-176
-99.51 To 6715. %



32

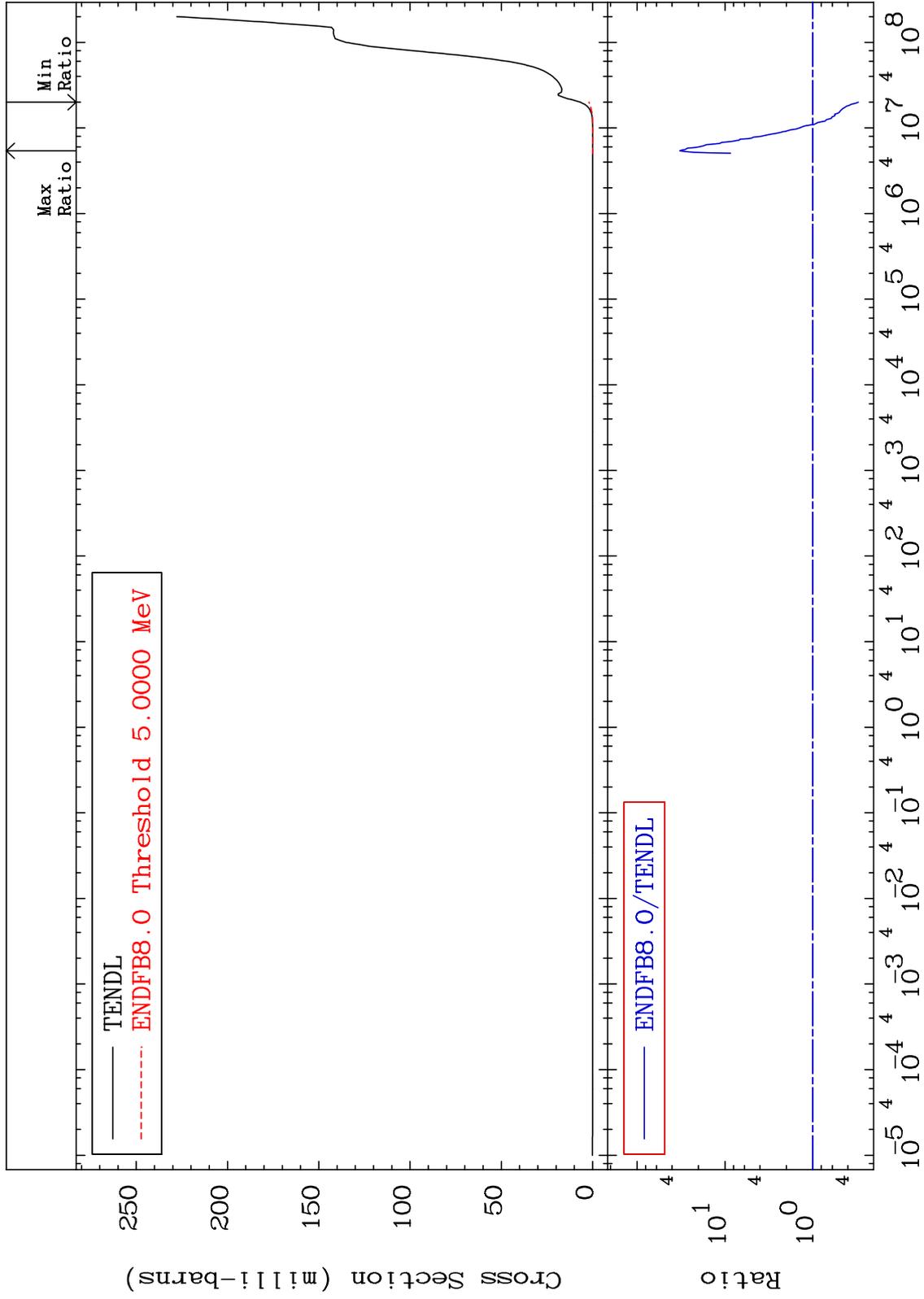
Incident Energy (eV)

70-Yb-176

MAT 7049

He-4 Production
Cross Section

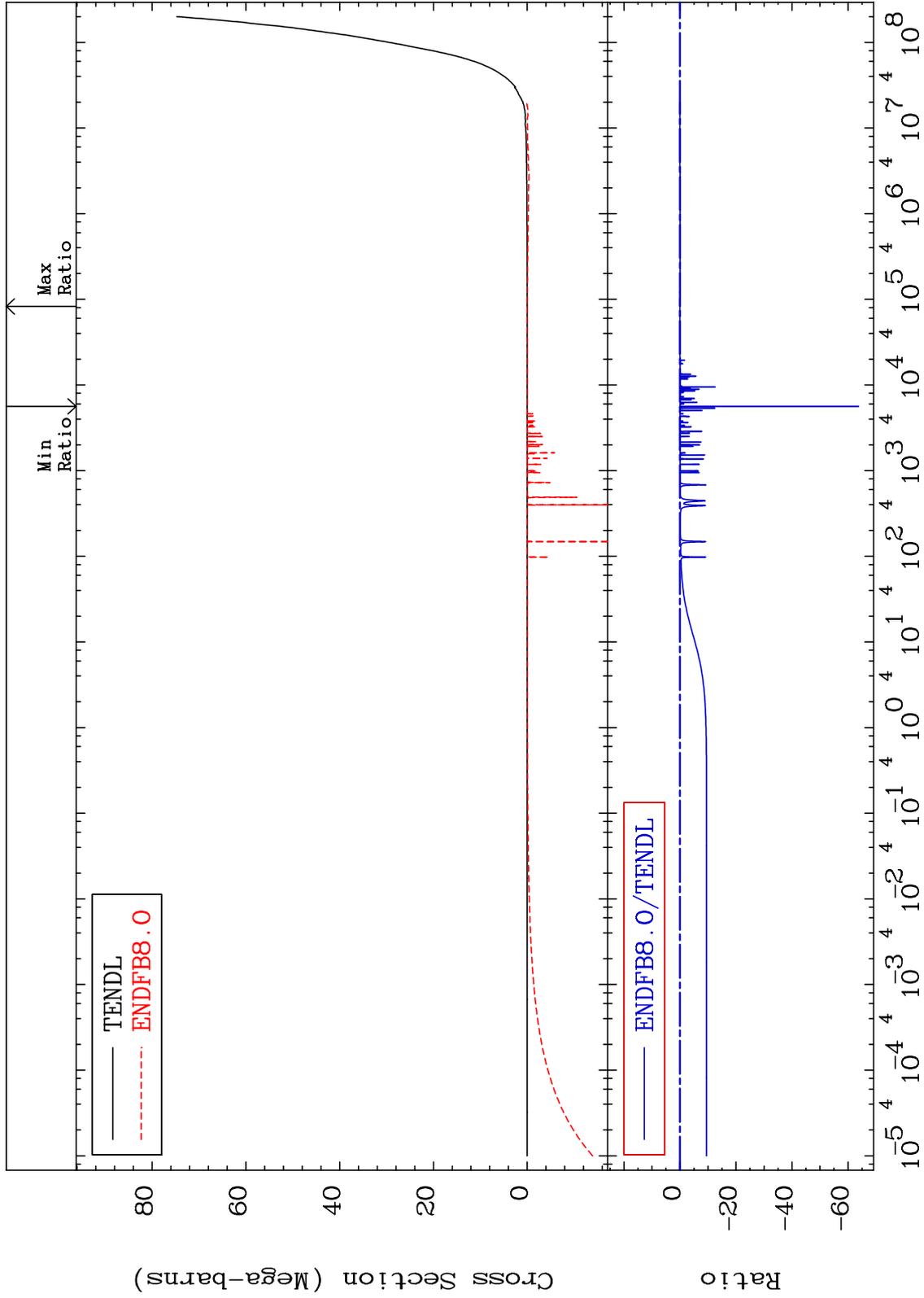
70-Yb-176
-69.69 To 3150. %



MAT 7049

Kerma total (eV-barns)
Cross Section

70-Yb-176
-9999. To 1067. %



34

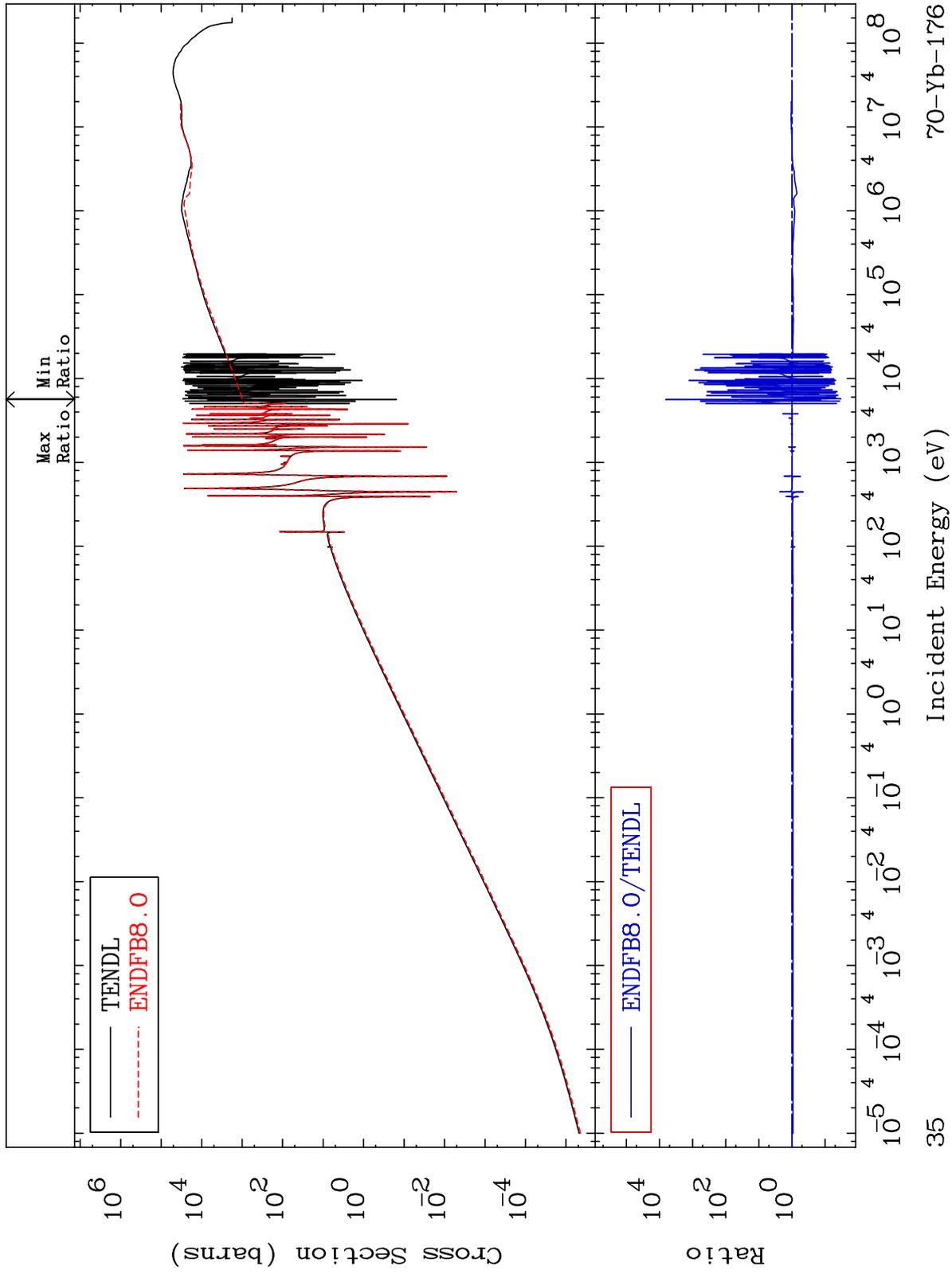
Incident Energy (eV)

70-Yb-176

MAT 7049

Kerma elastic
Cross Section

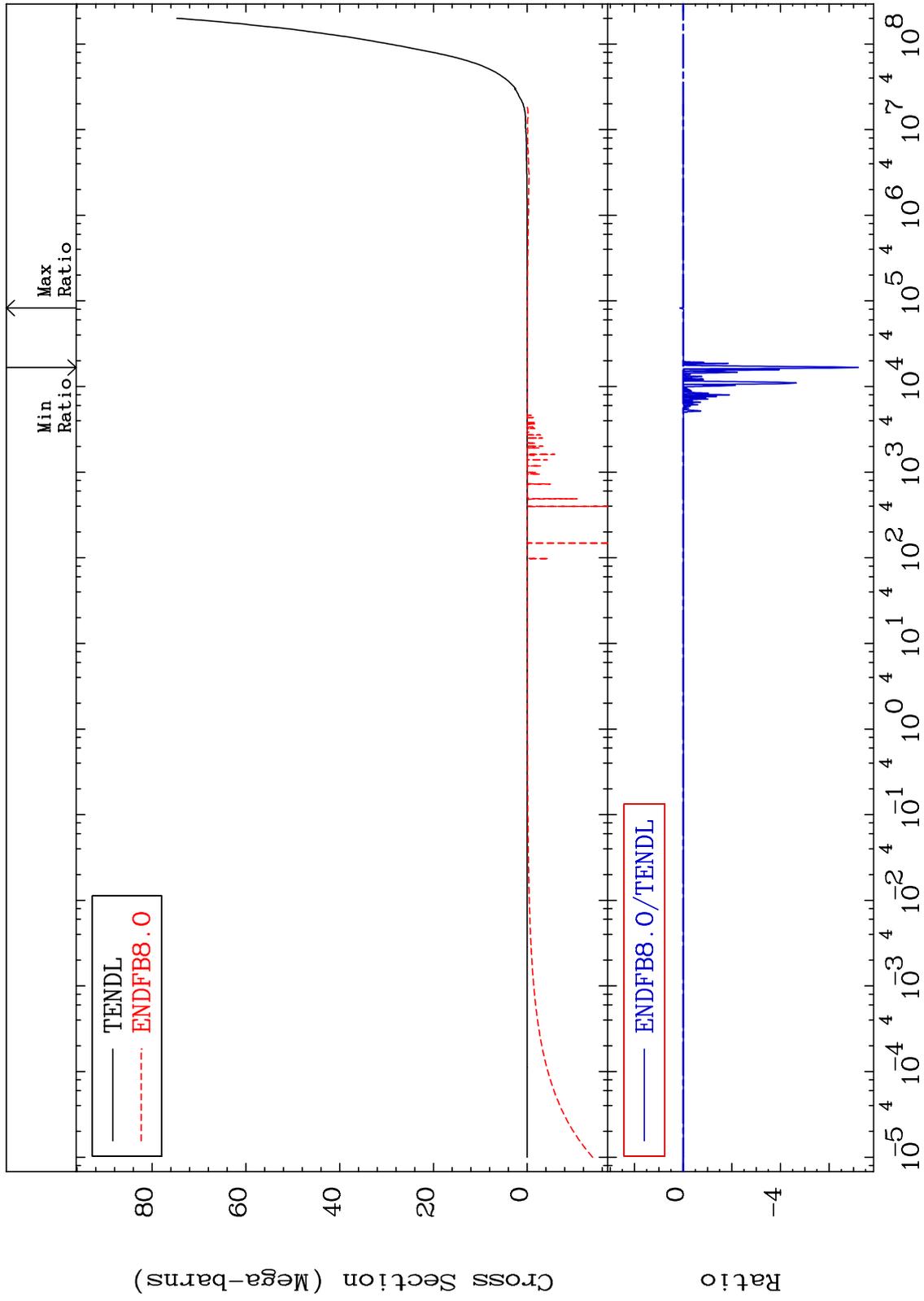
70-Yb-176
-96.61 To 9999. %



MAT 7049

Kerma non-elastic (all but mt2)
Cross Section

70-Yb-176
-9999. To 9999. %



36

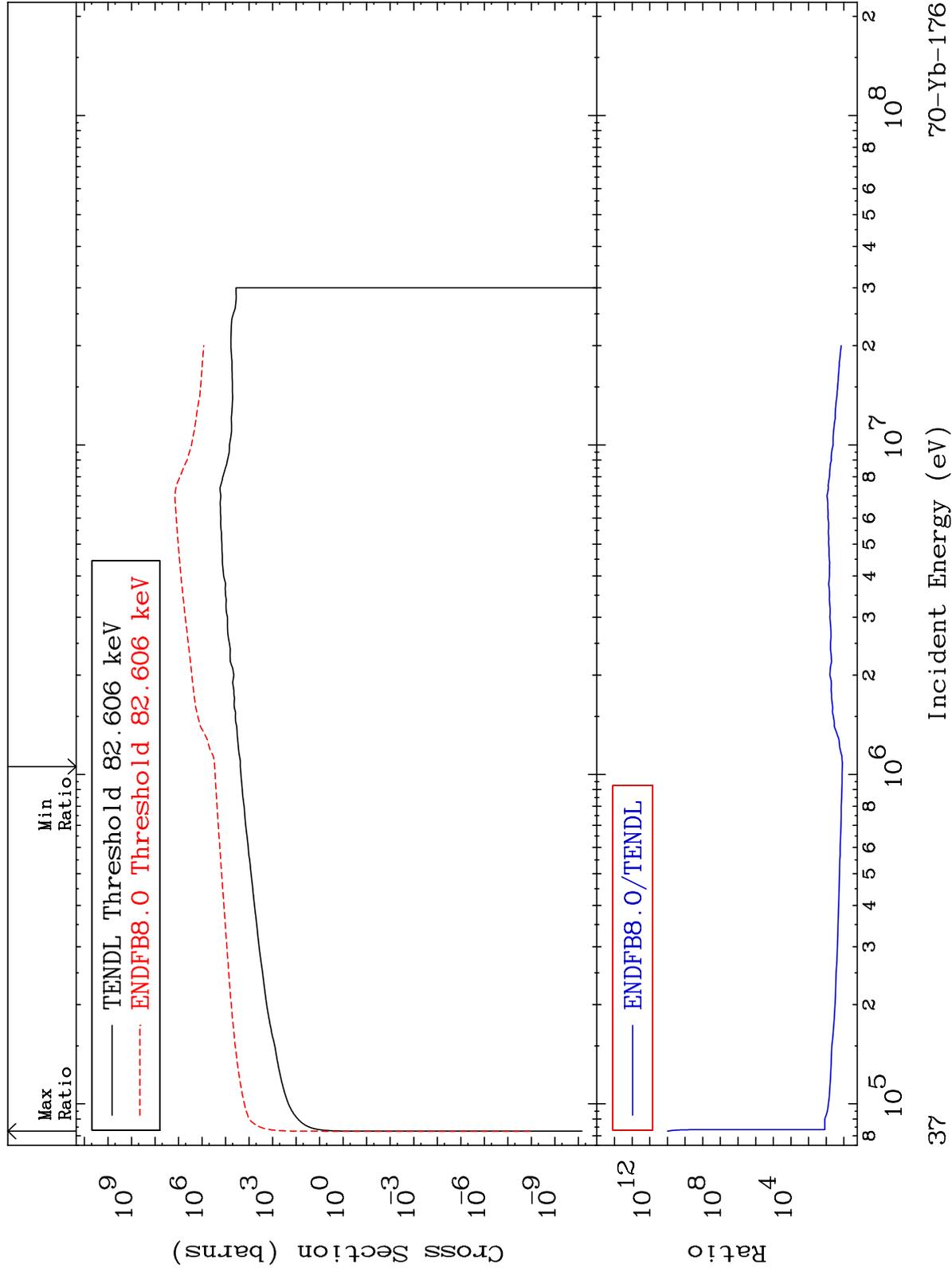
Incident Energy (eV)

70-Yb-176

MAT 7049

Kerma inelastic (mt51-91)
Cross Section

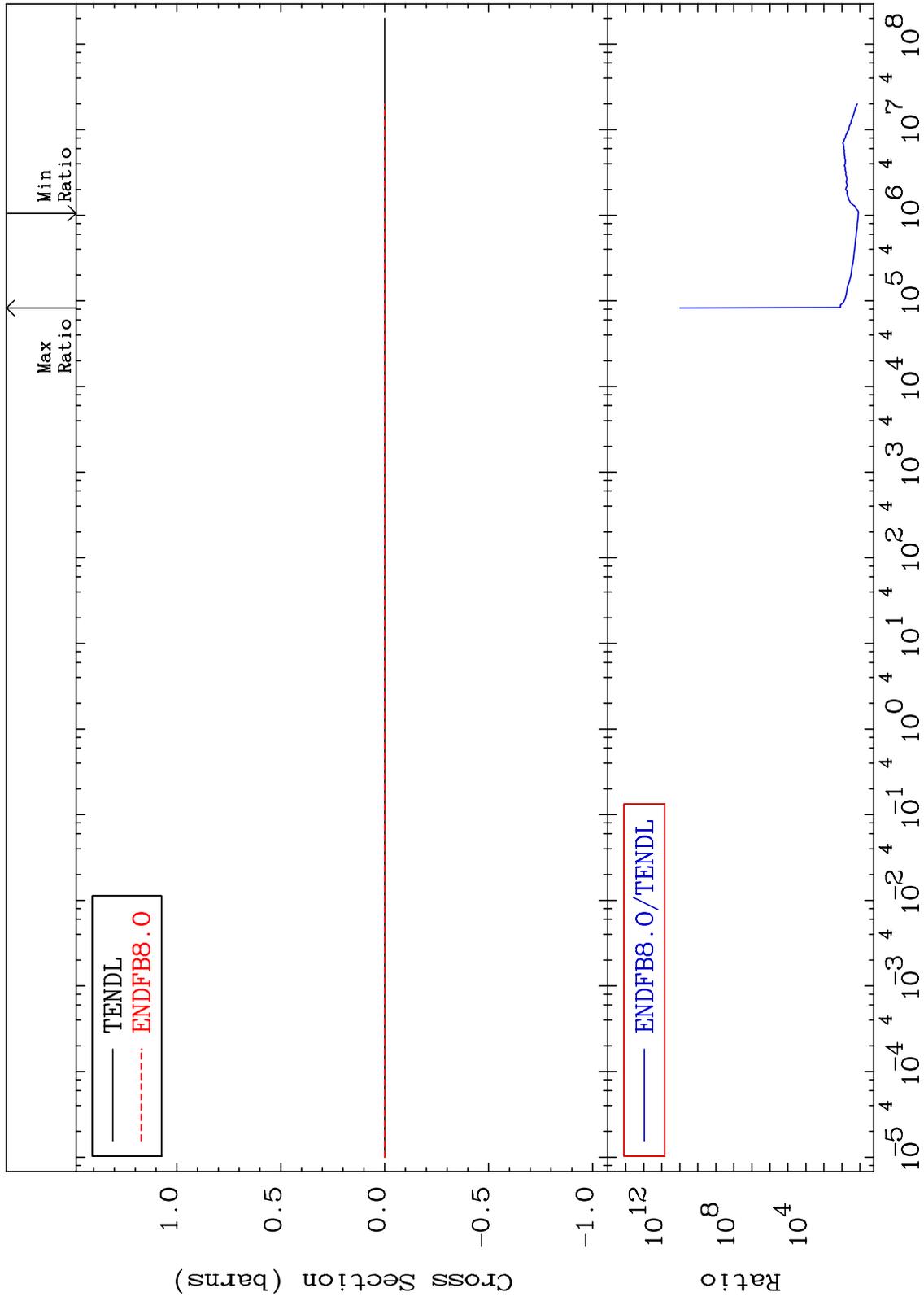
70-Yb-176
1125. To 9999. %



MAT 7049

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

70-Yb-176
1125. To 9999. %



38

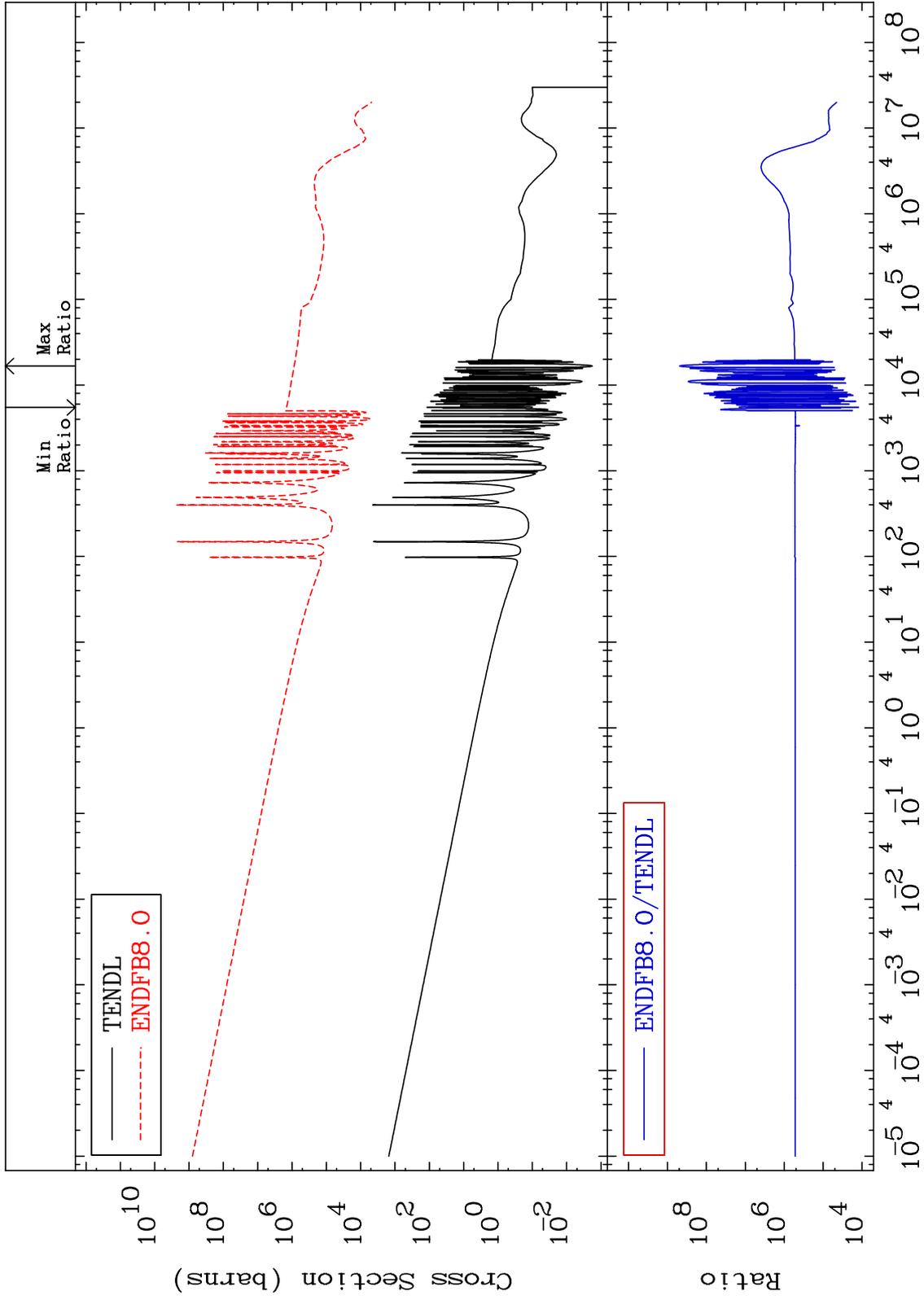
Incident Energy (eV)

70-Yb-176

MAT 7049

Kerma capture (mt102)
Cross Section

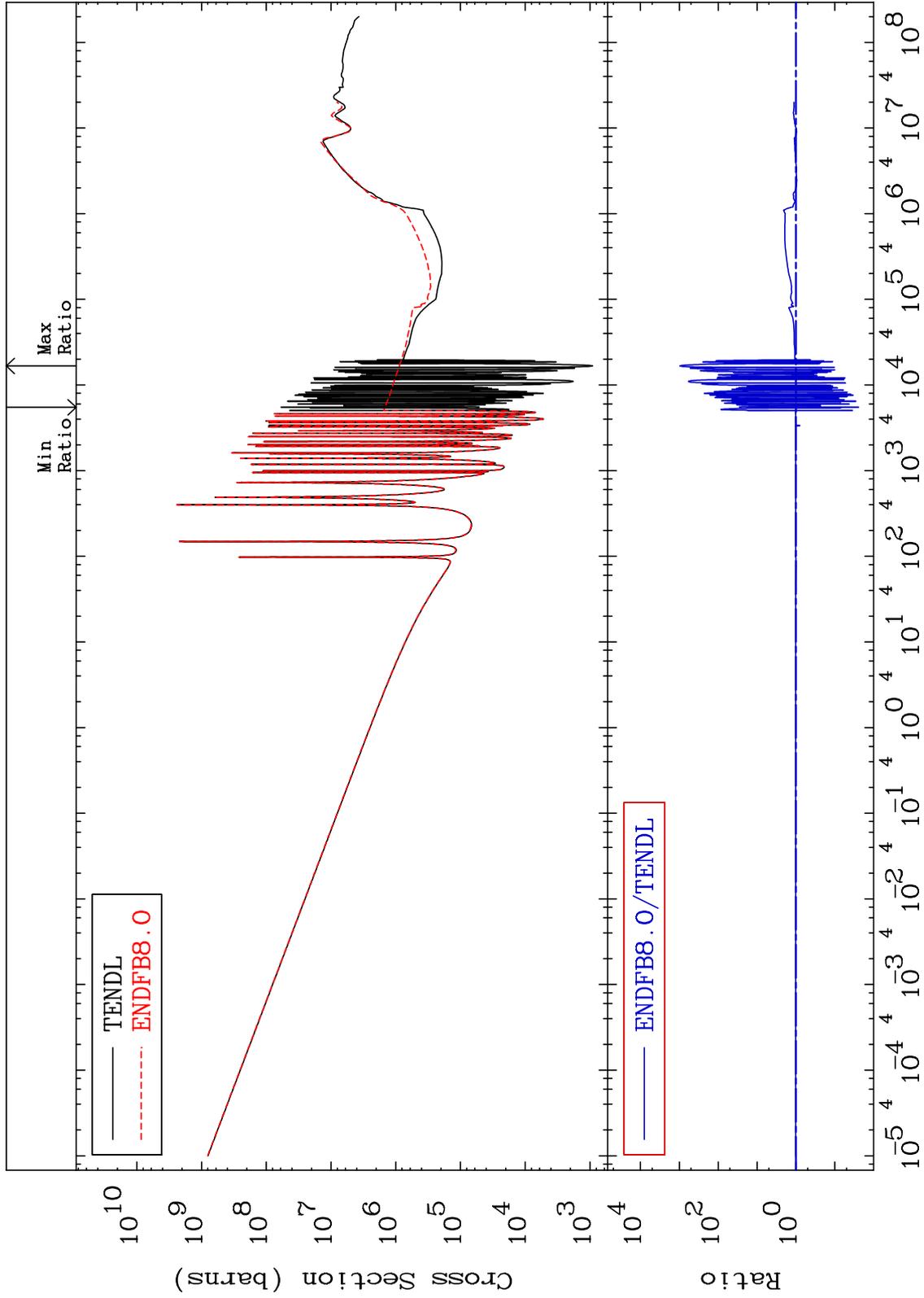
70-Yb-176
9999. To 9999. %



MAT 7049

Total photon (eV-barns)
Cross Section

70-Yb-176
-97.52 To 9999. %



40

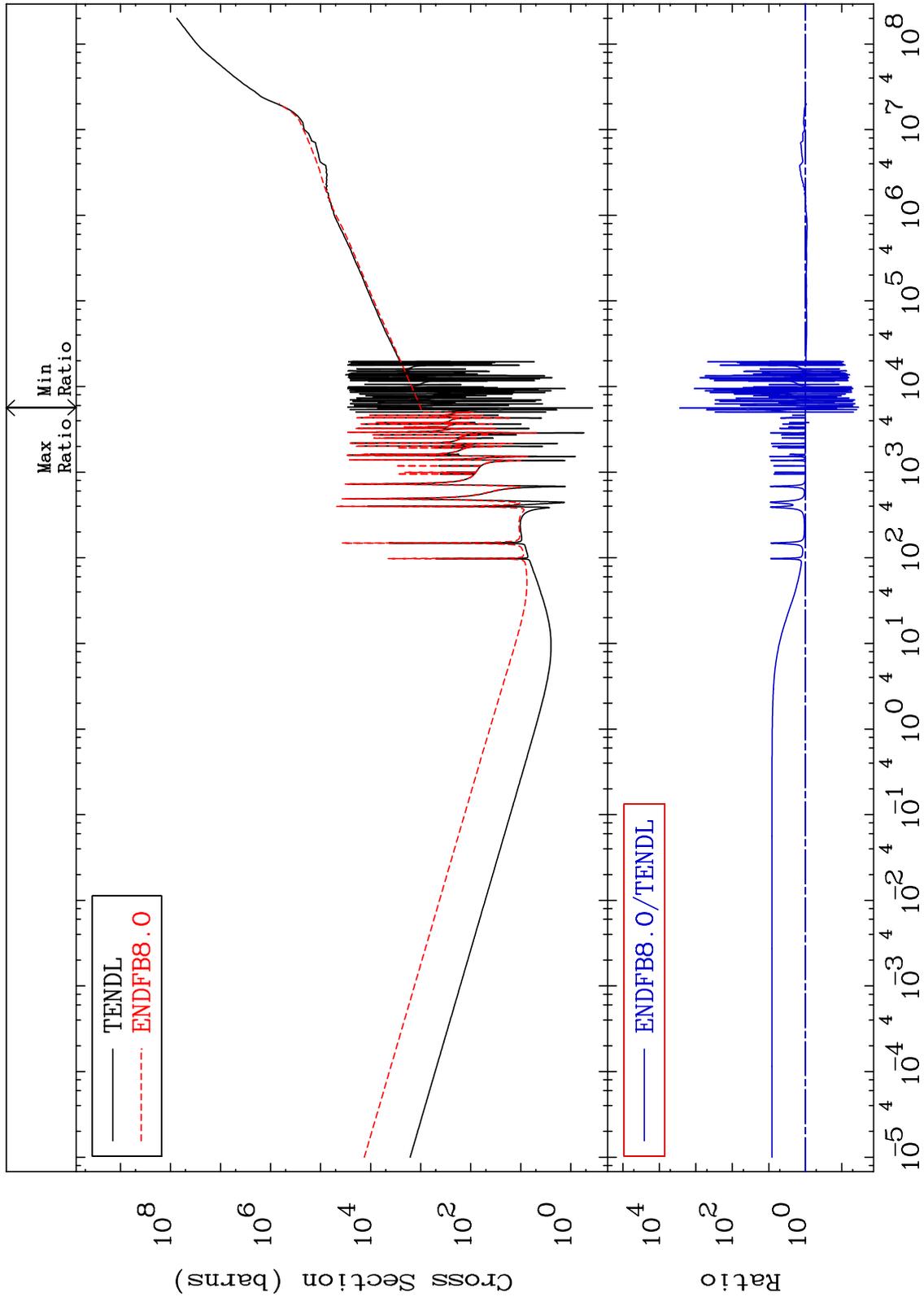
Incident Energy (eV)

70-Yb-176

MAT 7049

Total kinematic kerma (high limit)
Cross Section

70-Yb-176
-96.50 To 9999. %



41

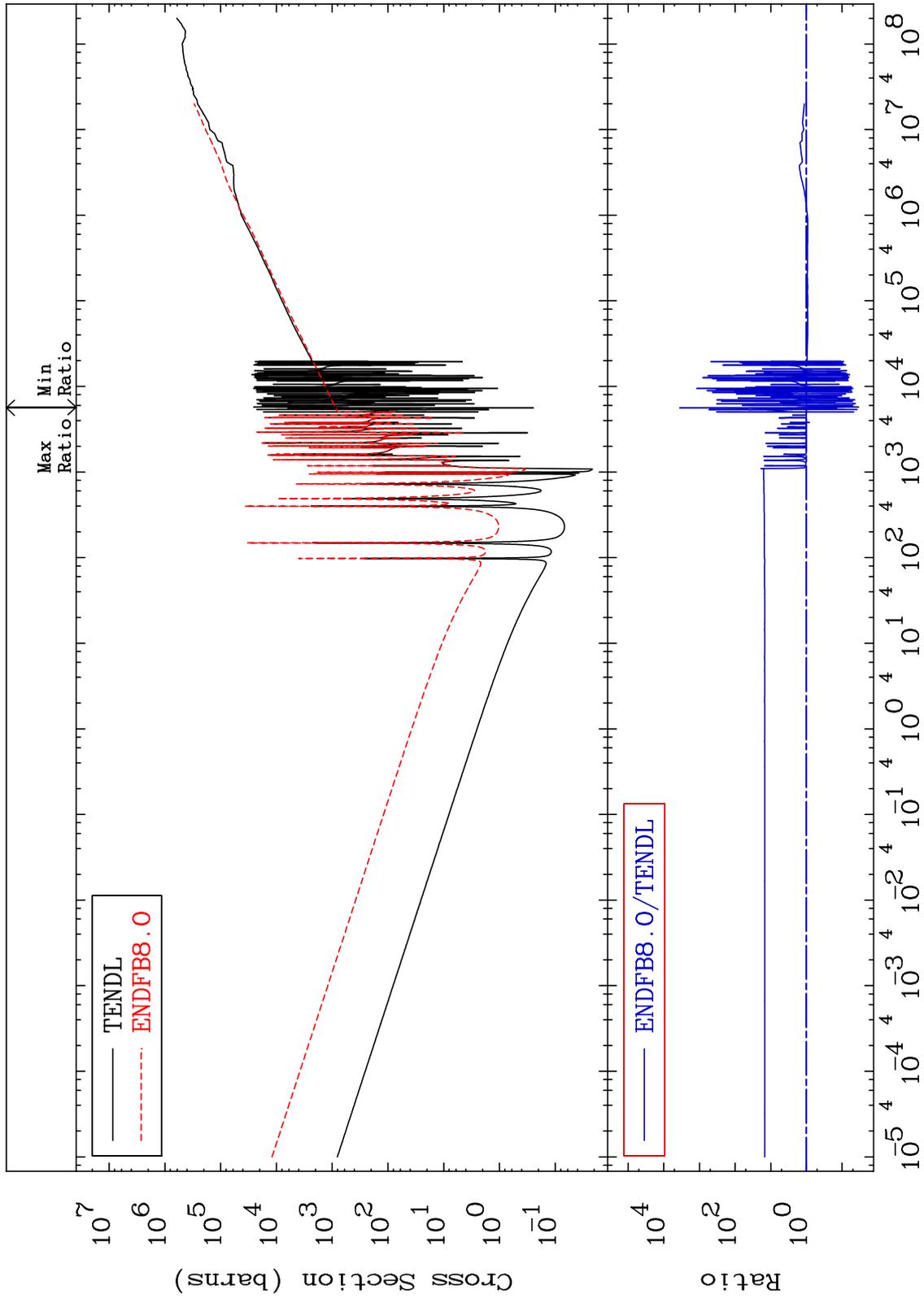
Incident Energy (eV)

70-Yb-176

MAT 7049

Dpa total (eV-barns)
Cross Section

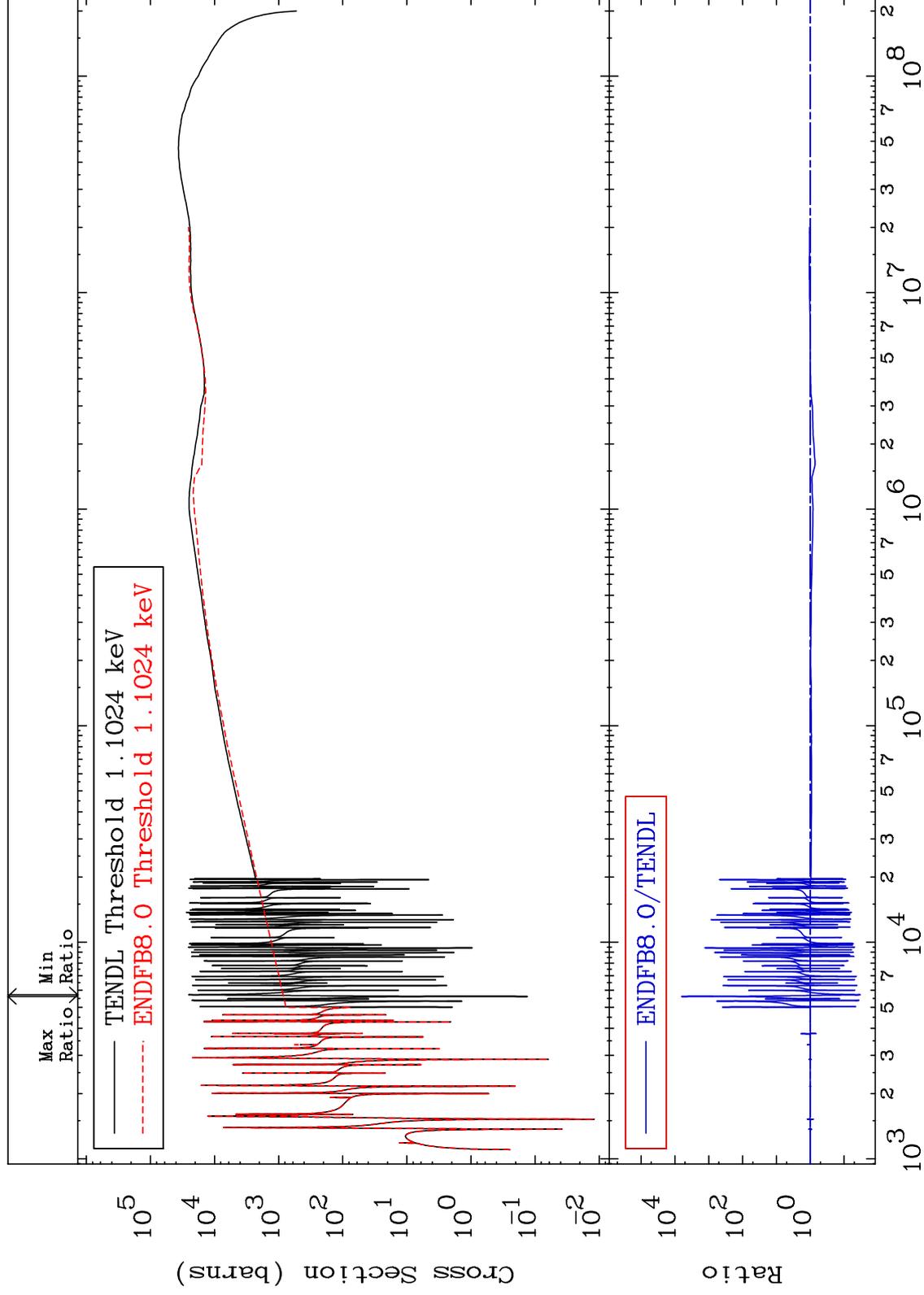
70-Yb-176
-96.51 To 9999. %



MAT 7049

Dpa elastic (mt2)
Cross Section

70-Yb-176
-96.62 To 9999. %



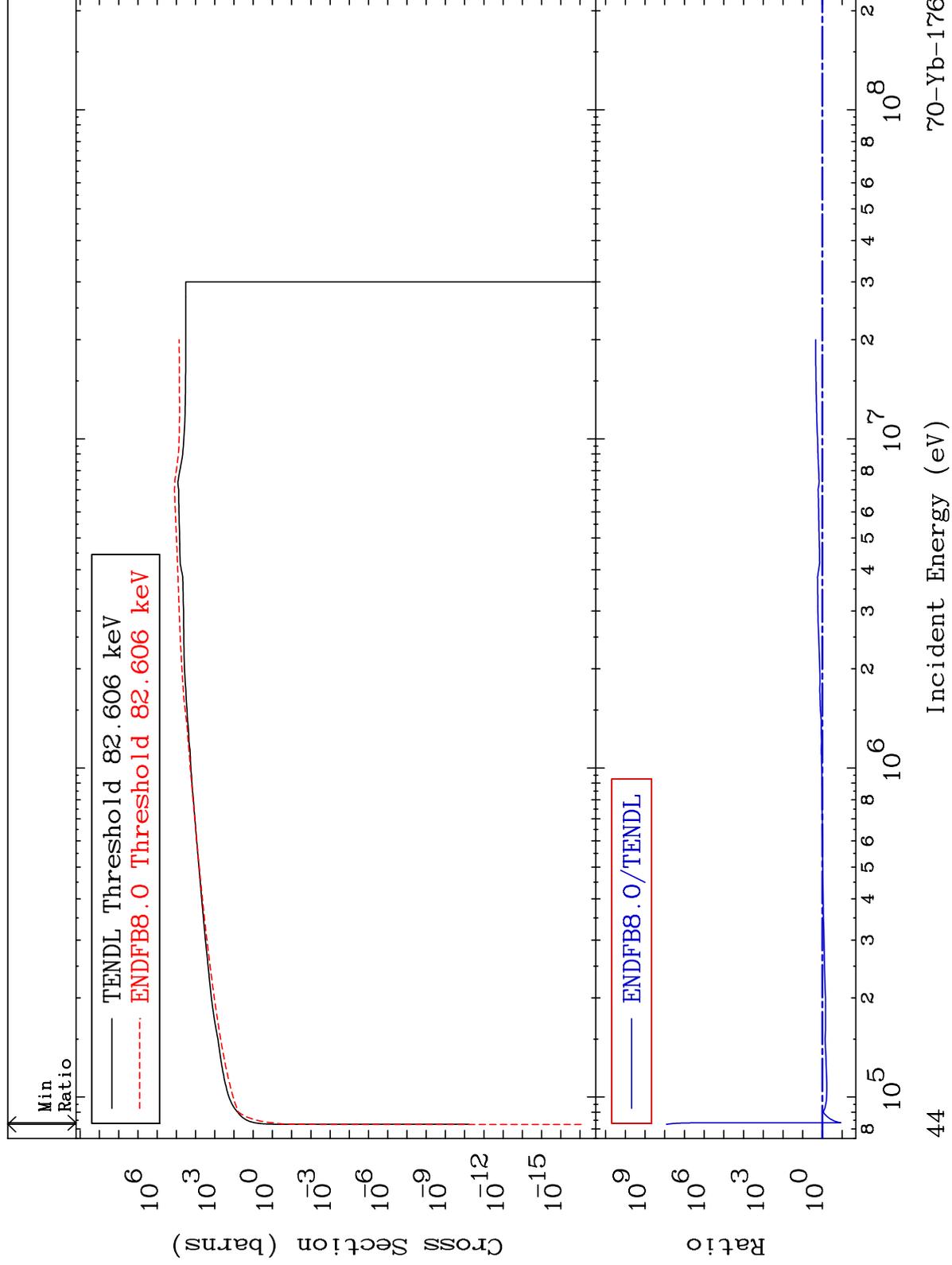
43

70-Yb-176

MAT 7049

Dpa inelastic (mt51-91)
Cross Section

70-Yb-176
-88.54 To 9999. %



MAT 7049

Dpa disappearance (mt102 -120)
Cross Section

70-Yb-176
-52.81 To 9999. %

