

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

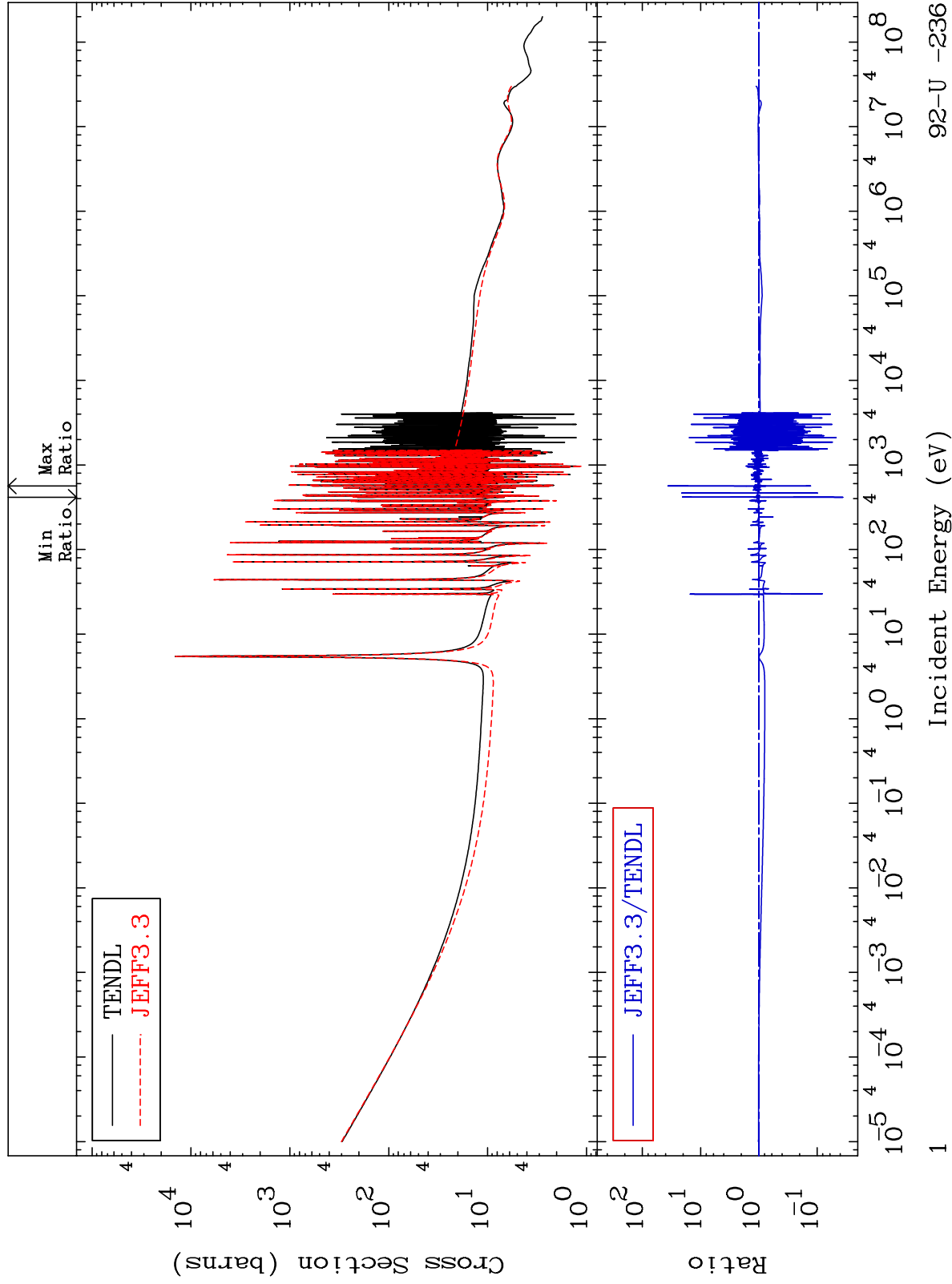
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9231

Total
Cross Section

92-U -236
-96.39 To 3526. %

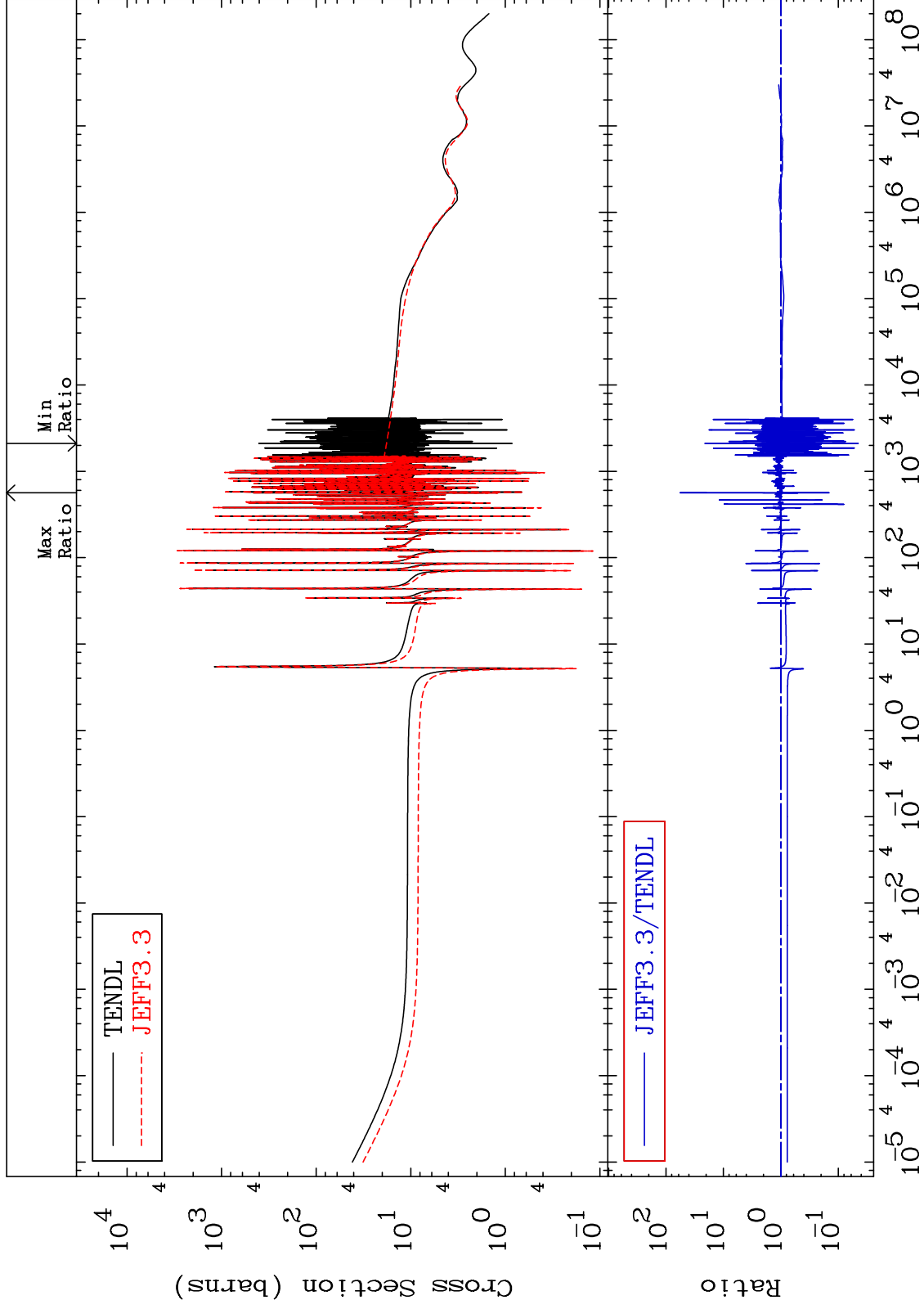


92-U -236

MAT 9231

Elastic
Cross Section

92-U -236
-95.53 To 5602. %



2

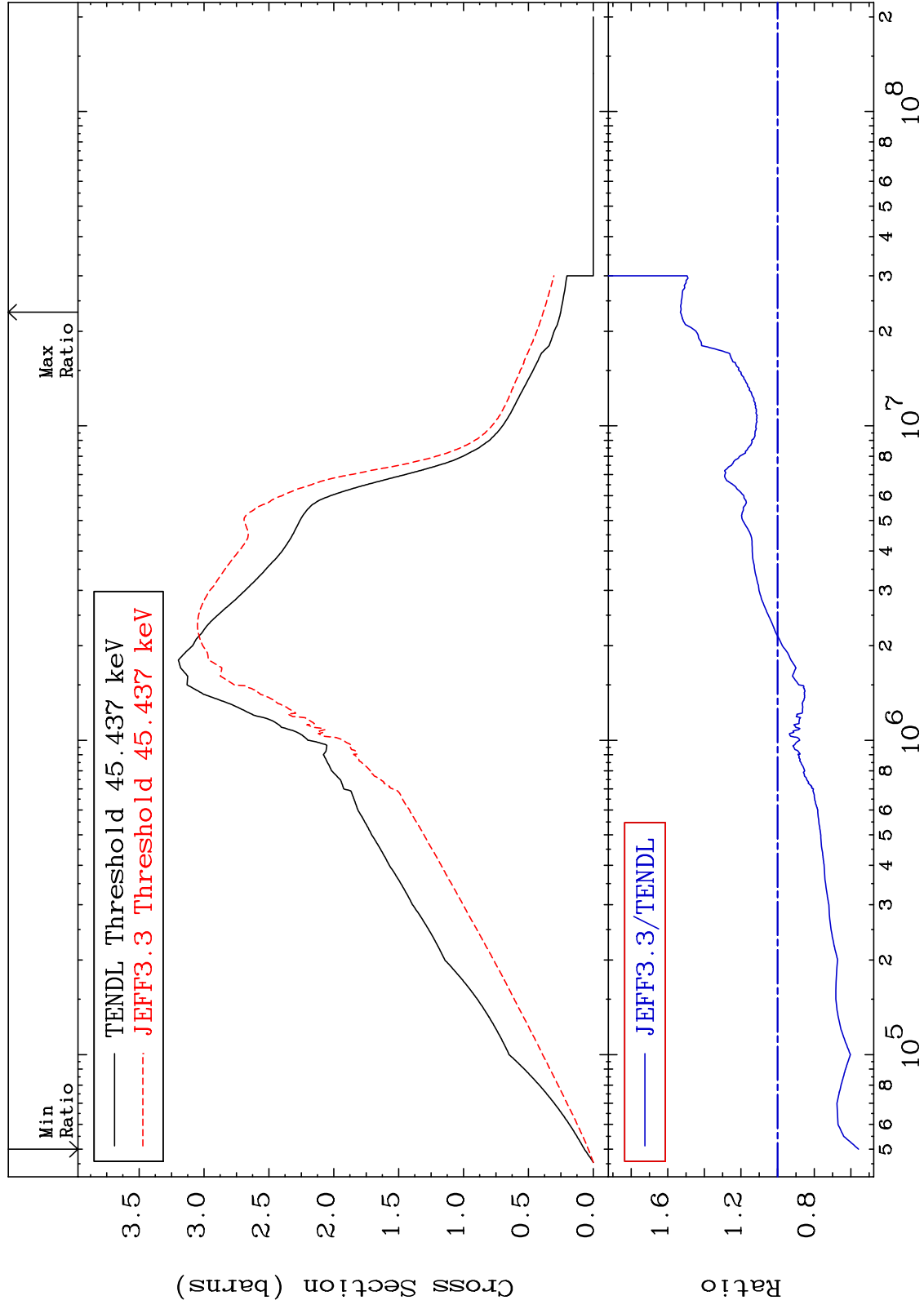
Incident Energy (eV)

92-U -236

MAT 9231

Inelastic
Cross Section

92-U -236
-44.22 To 53.07 %



3

Incident Energy (eV)

92-U -236

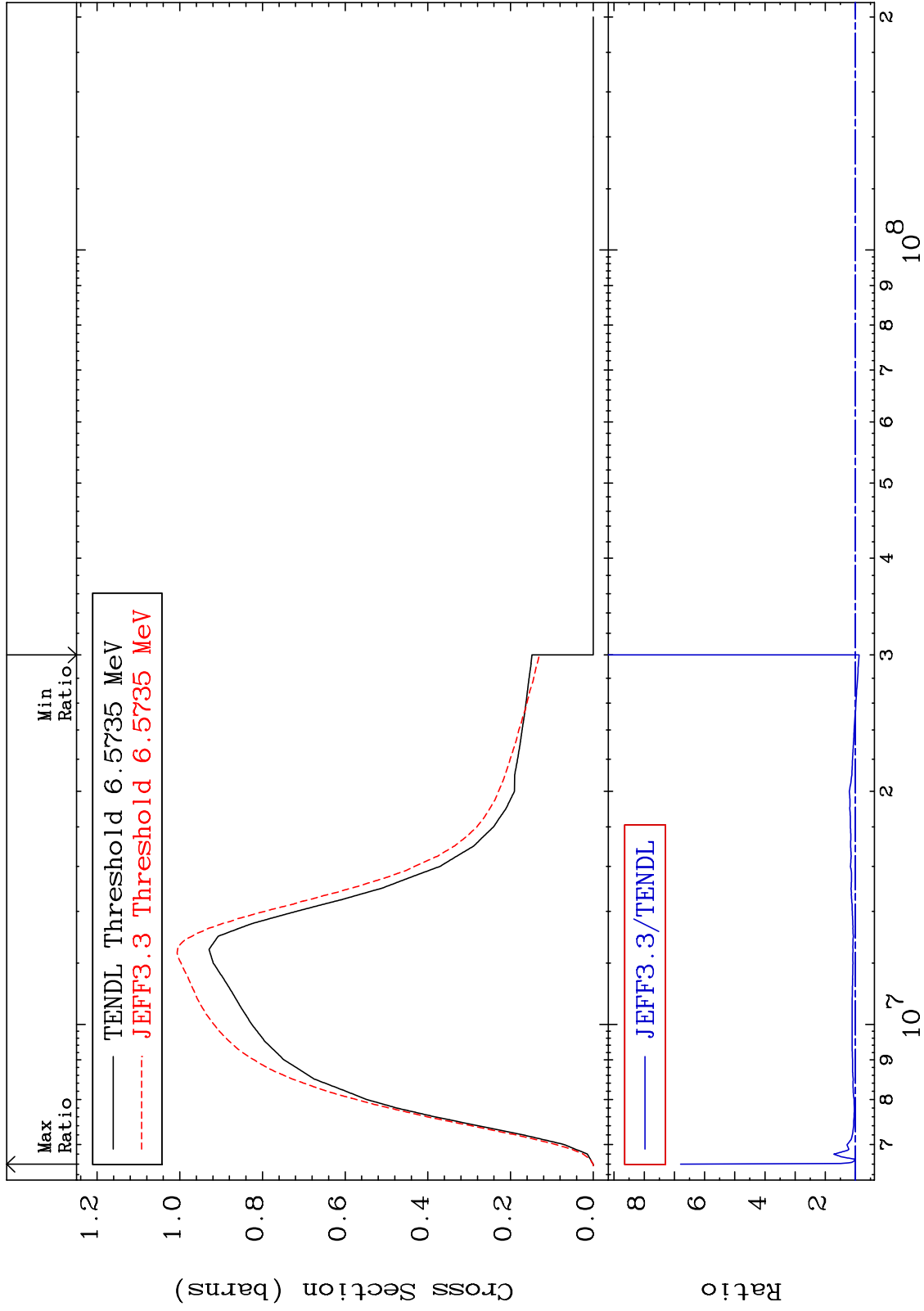
MAT 9231

(n,2n)

92-U -236

Cross Section

-12.22 To 579.4 %



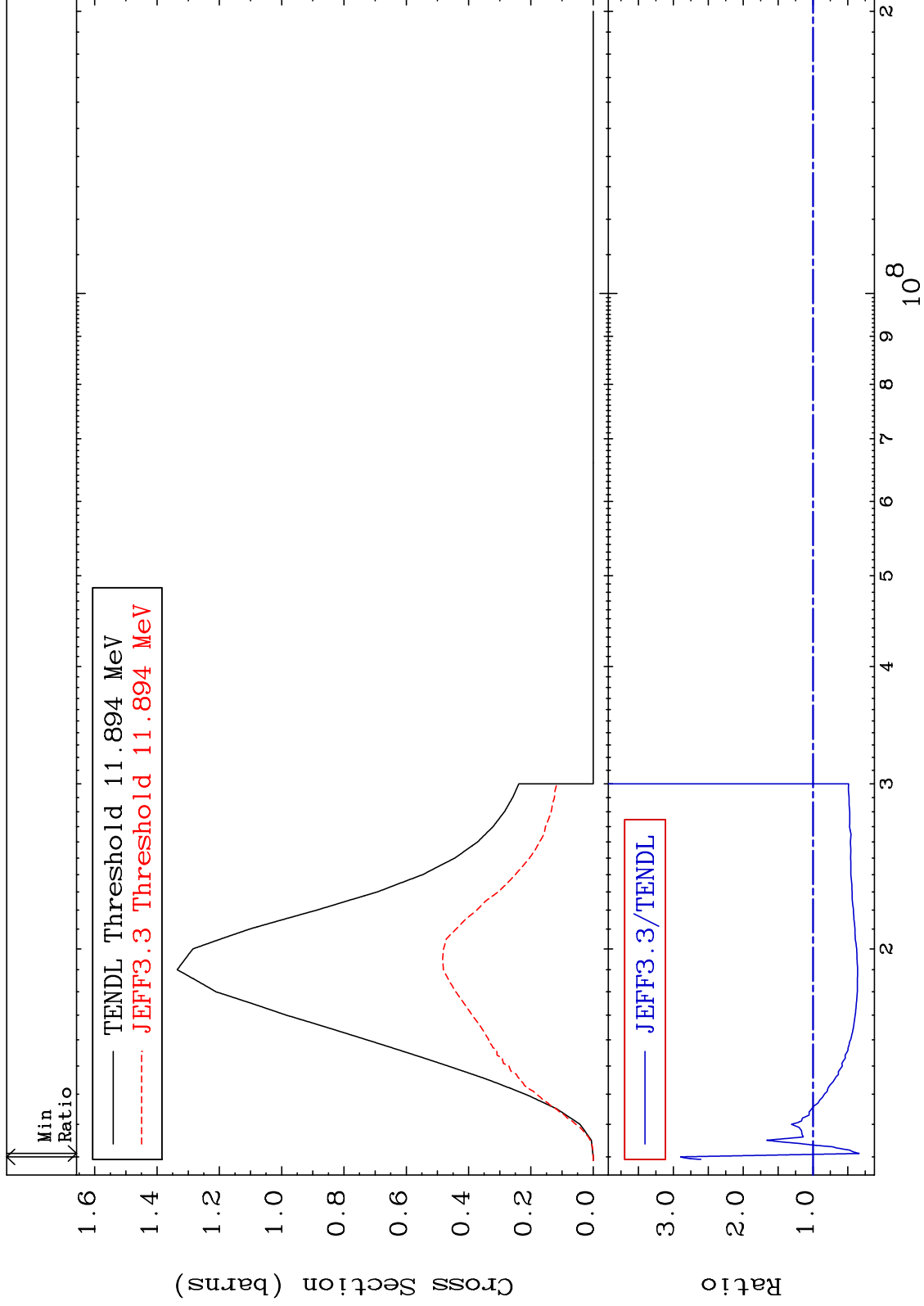
MAT 9231

(n, 3n)

92-U -236

Cross Section

-66.19 To 189.6 %

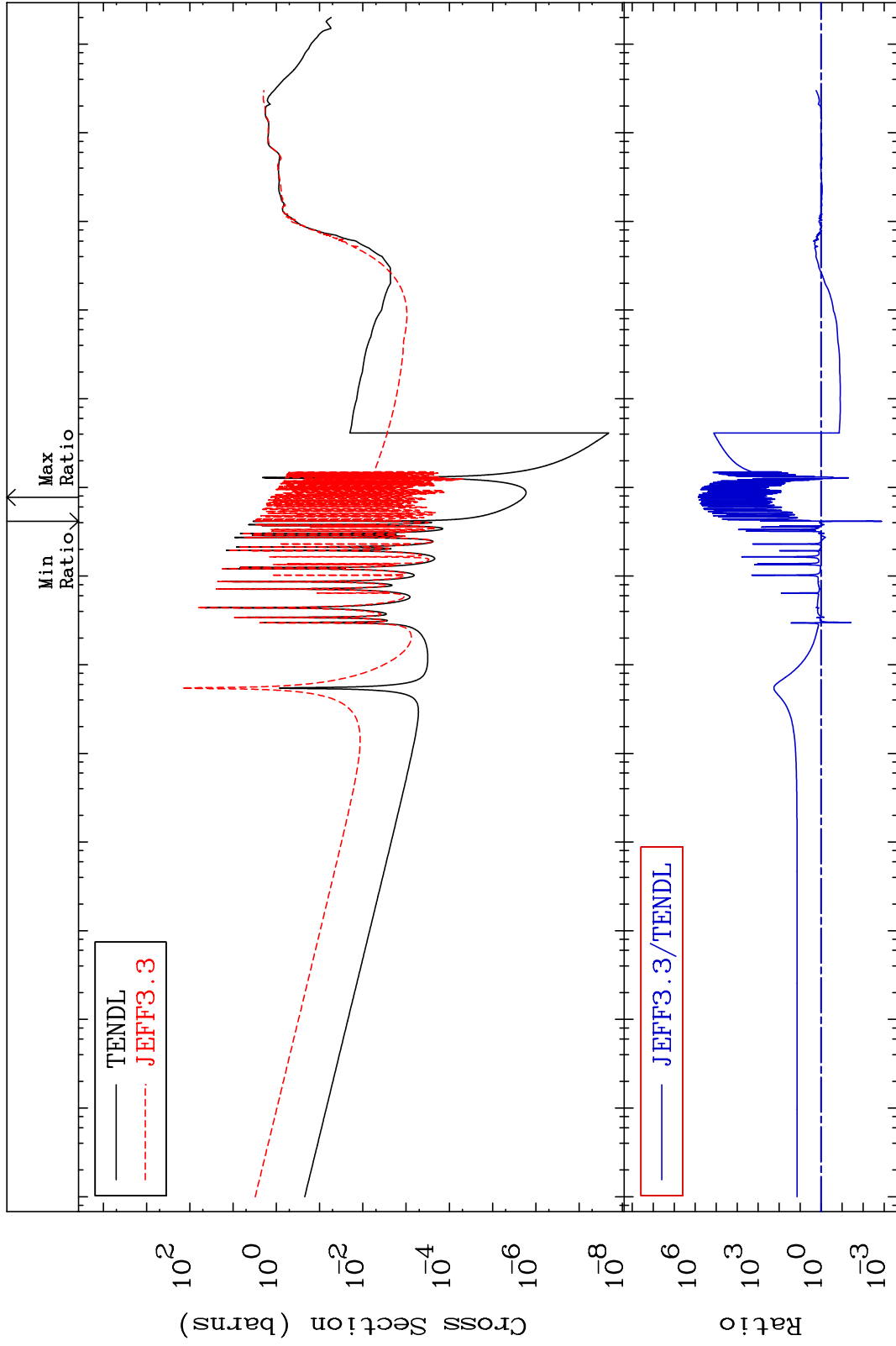


MAT 9231

Fission

92-U -236

Cross Section -99.87 To 9999. %



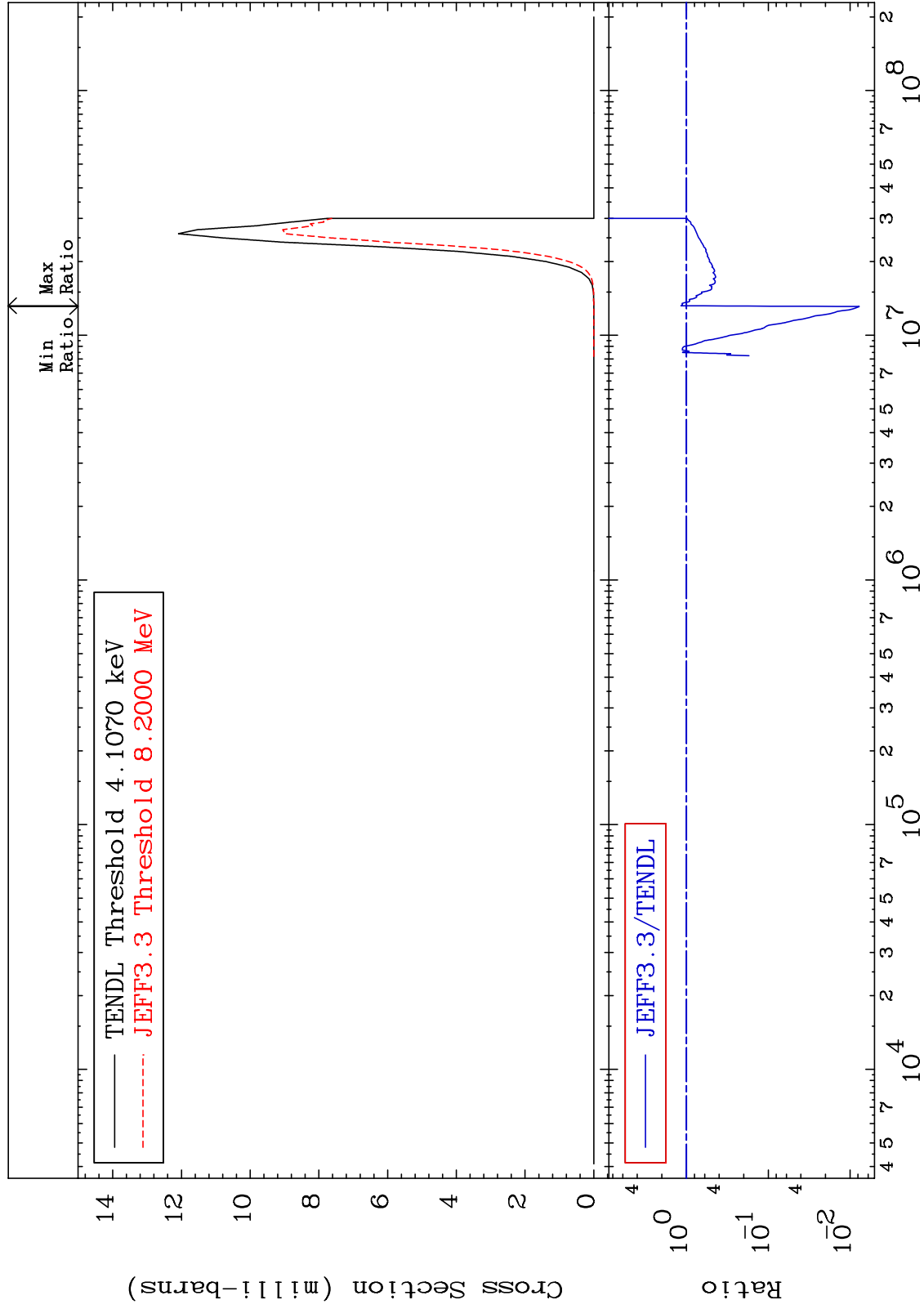
MAT 9231

(n, n') α

Cross Section

92-U -236

-99.23 To 16.65 %



7

Incident Energy (eV)

92-U -236

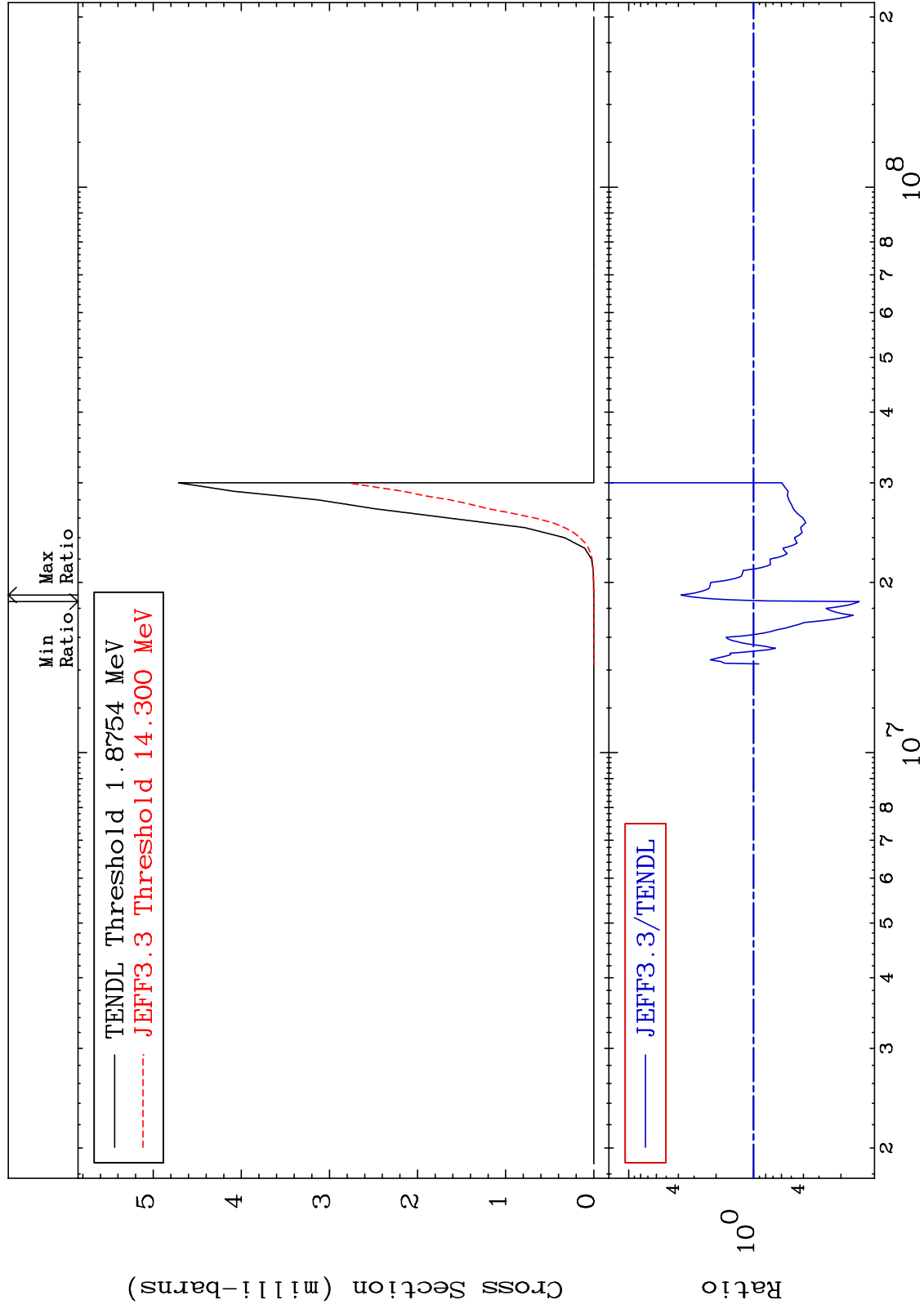
MAT 9231

(n,2n) α

92-U -236

Cross Section

-85.72 To 280.5 %



8

Incident Energy (eV)

92-U -236

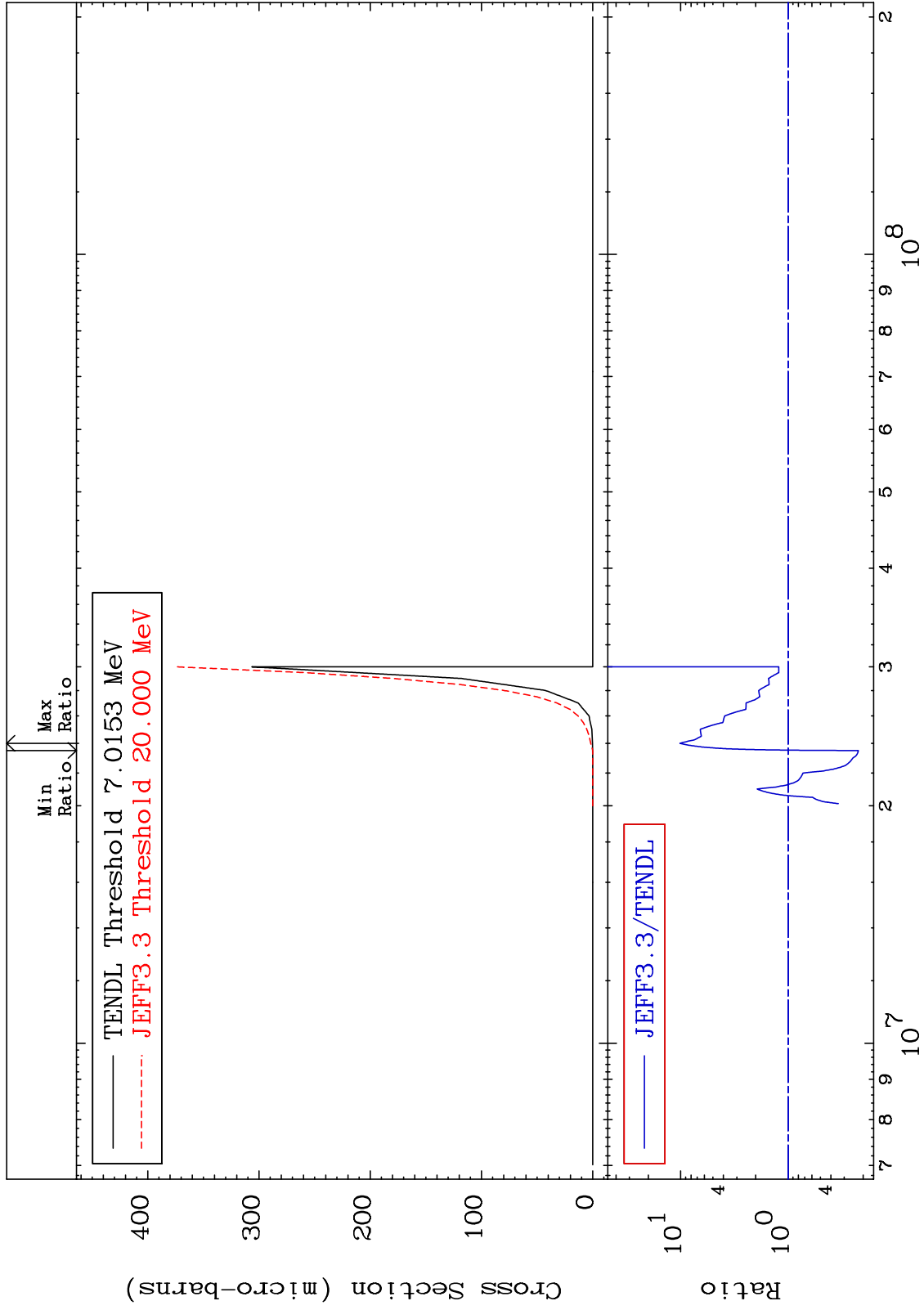
MAT 9231

(n, 3n) α

92-U -236

Cross Section

-77.85 To 913.3 %



9

Incident Energy (eV)

92-U -236

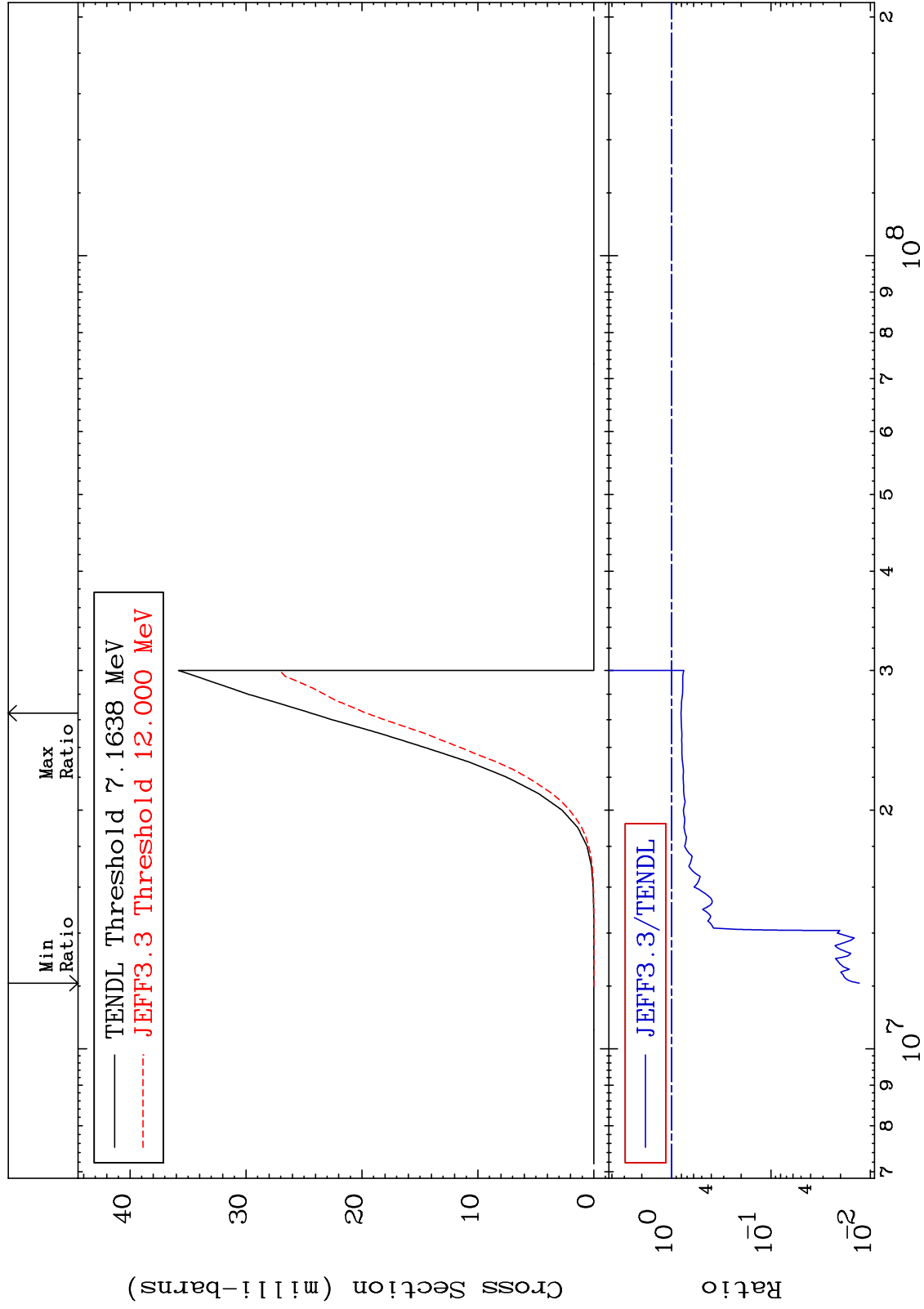
MAT 9231

(n, n') p

92-U -236

Cross Section

-98.71 To -19.51%



10

Incident Energy (eV)

92-U -236

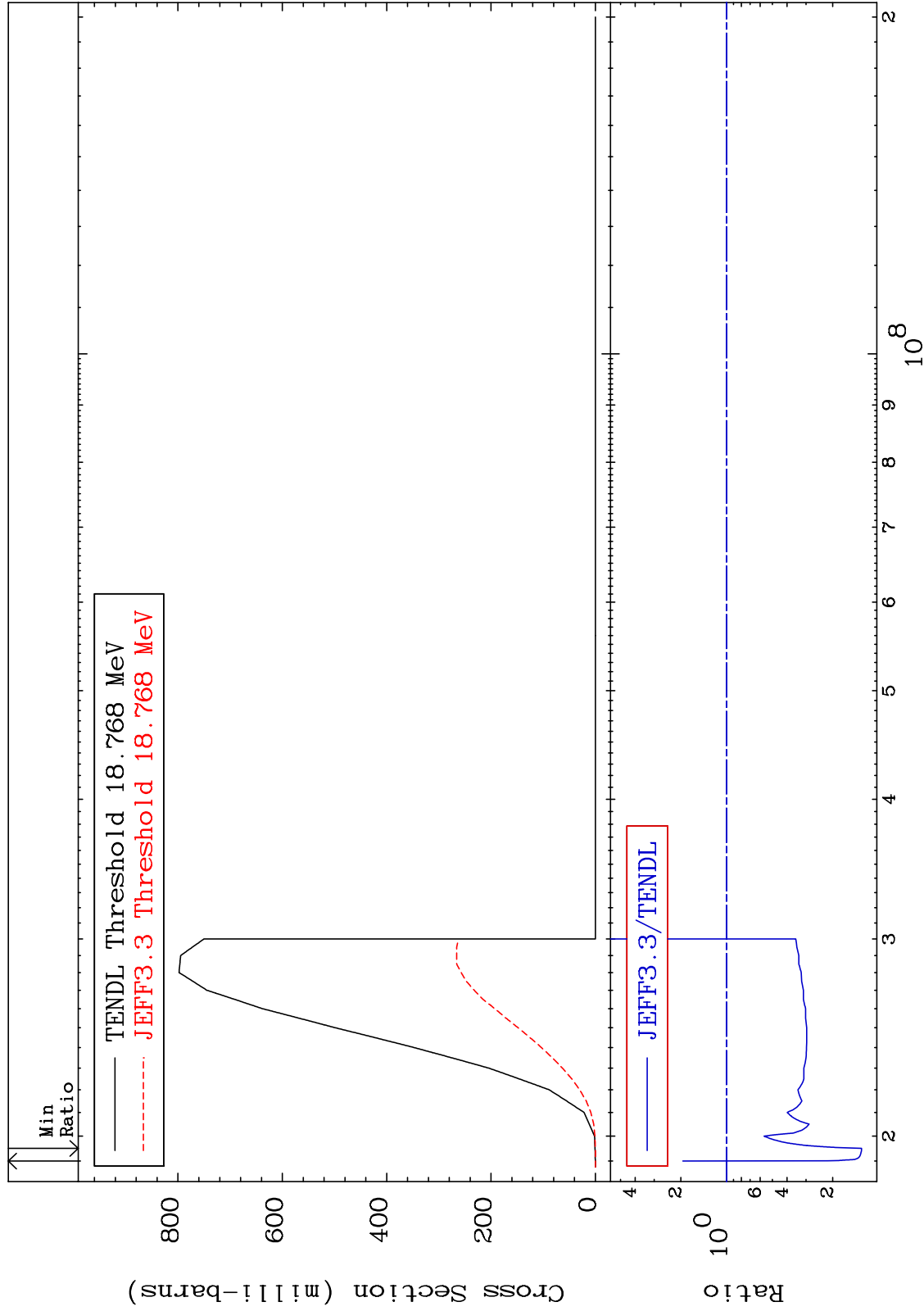
MAT 9231

(n, 4n)

92-U -236

Cross Section

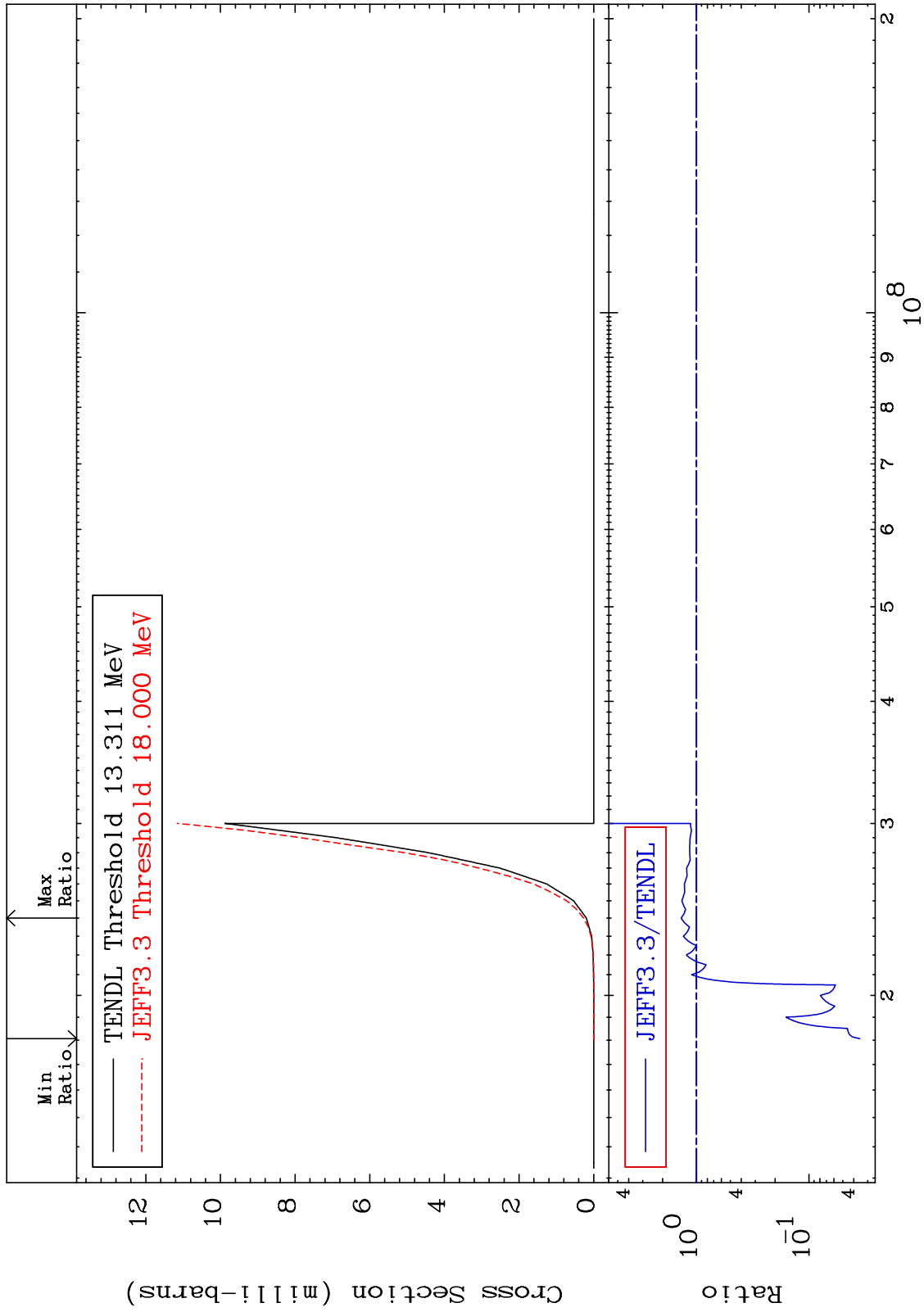
-87.09 To 94.03 %



MAT 9231

(n,2n) p
Cross Section

92-U -236
-96.48 To 36.34 %



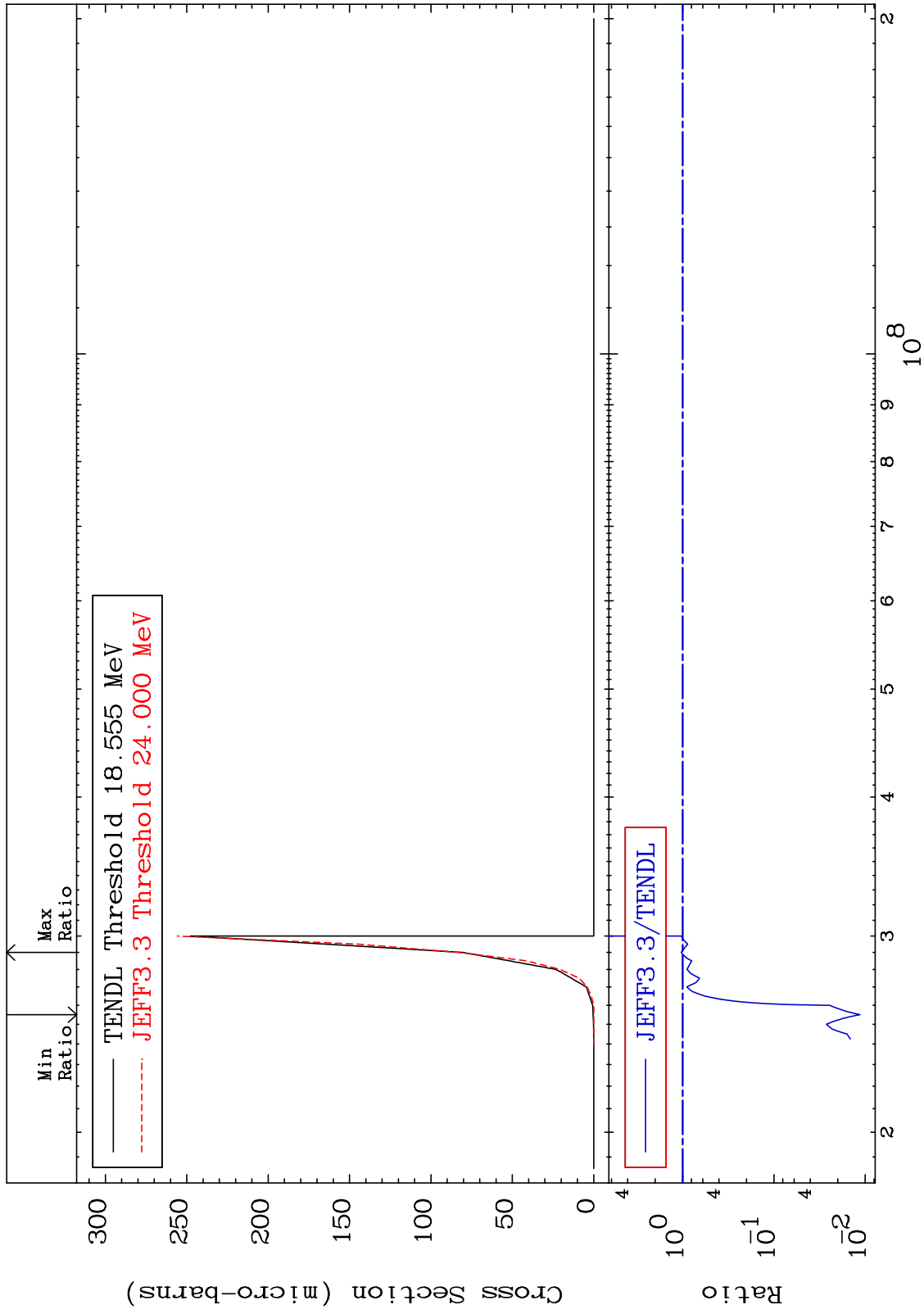
MAT 9231

(n,3n) p

92-U -236

Cross Section

-98.86 To 3.524 %



13

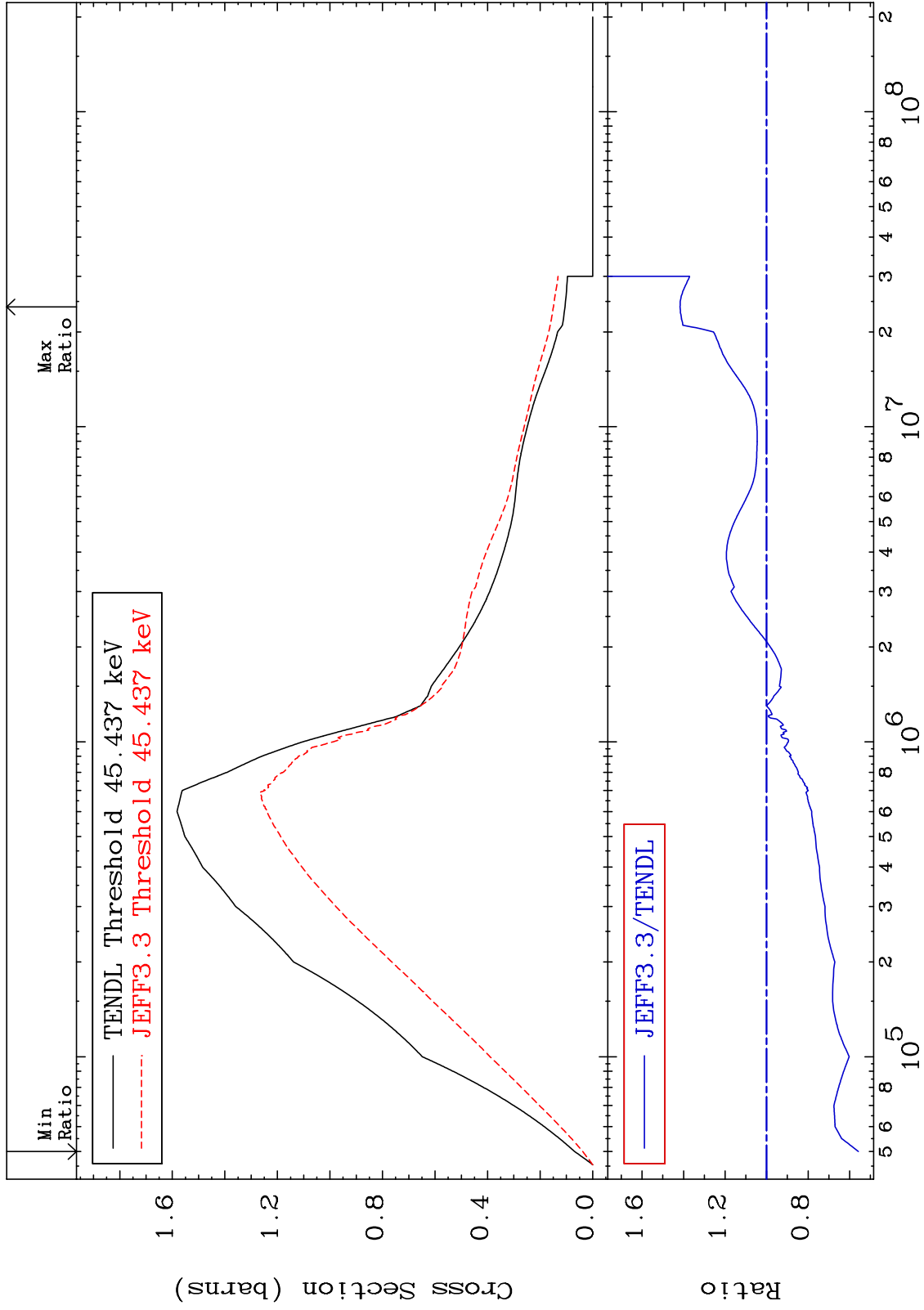
Incident Energy (eV)

92-U -236

MAT 9231

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

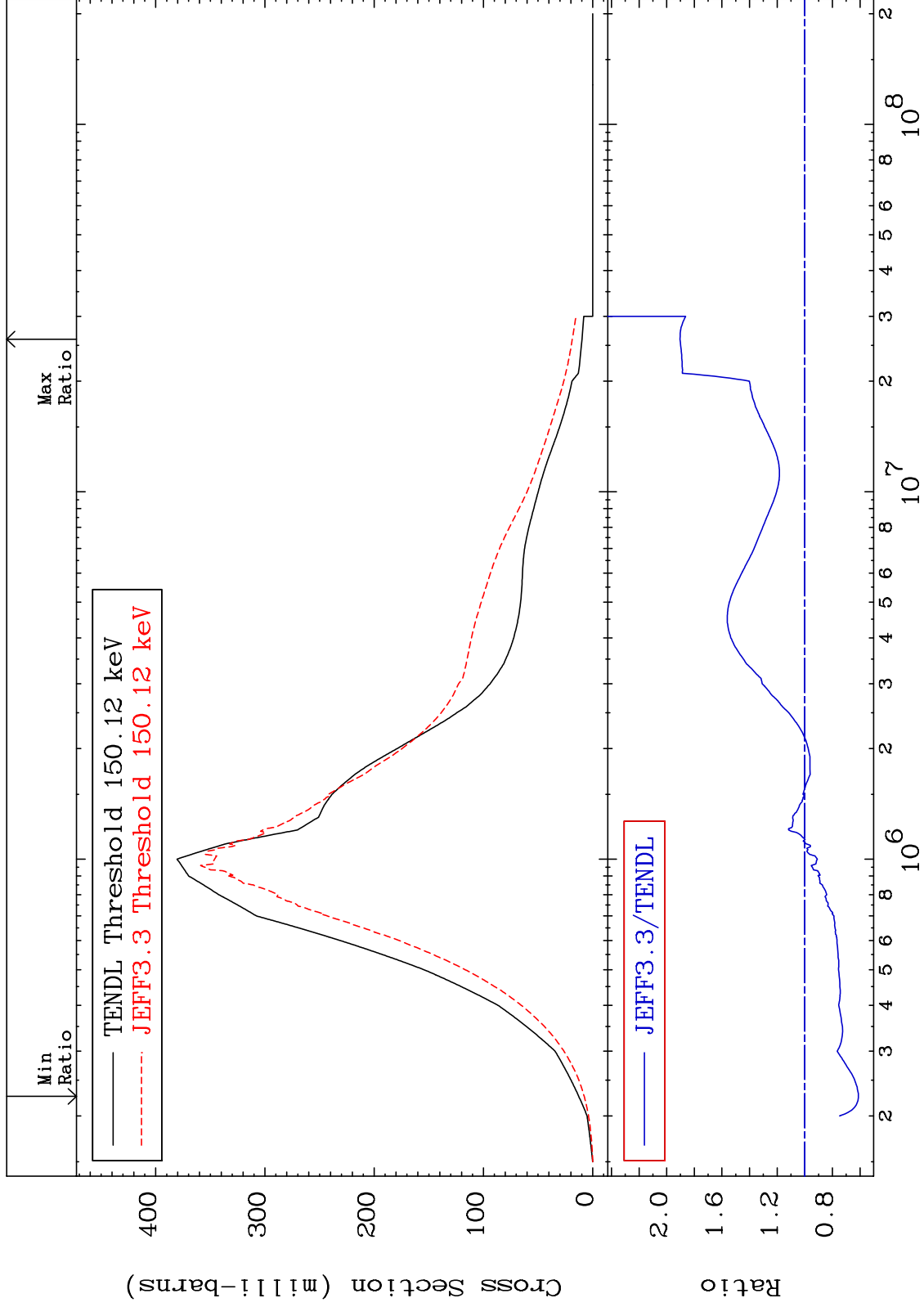
92-U -236
-44.22 To 41.71 %



MAT 9231

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

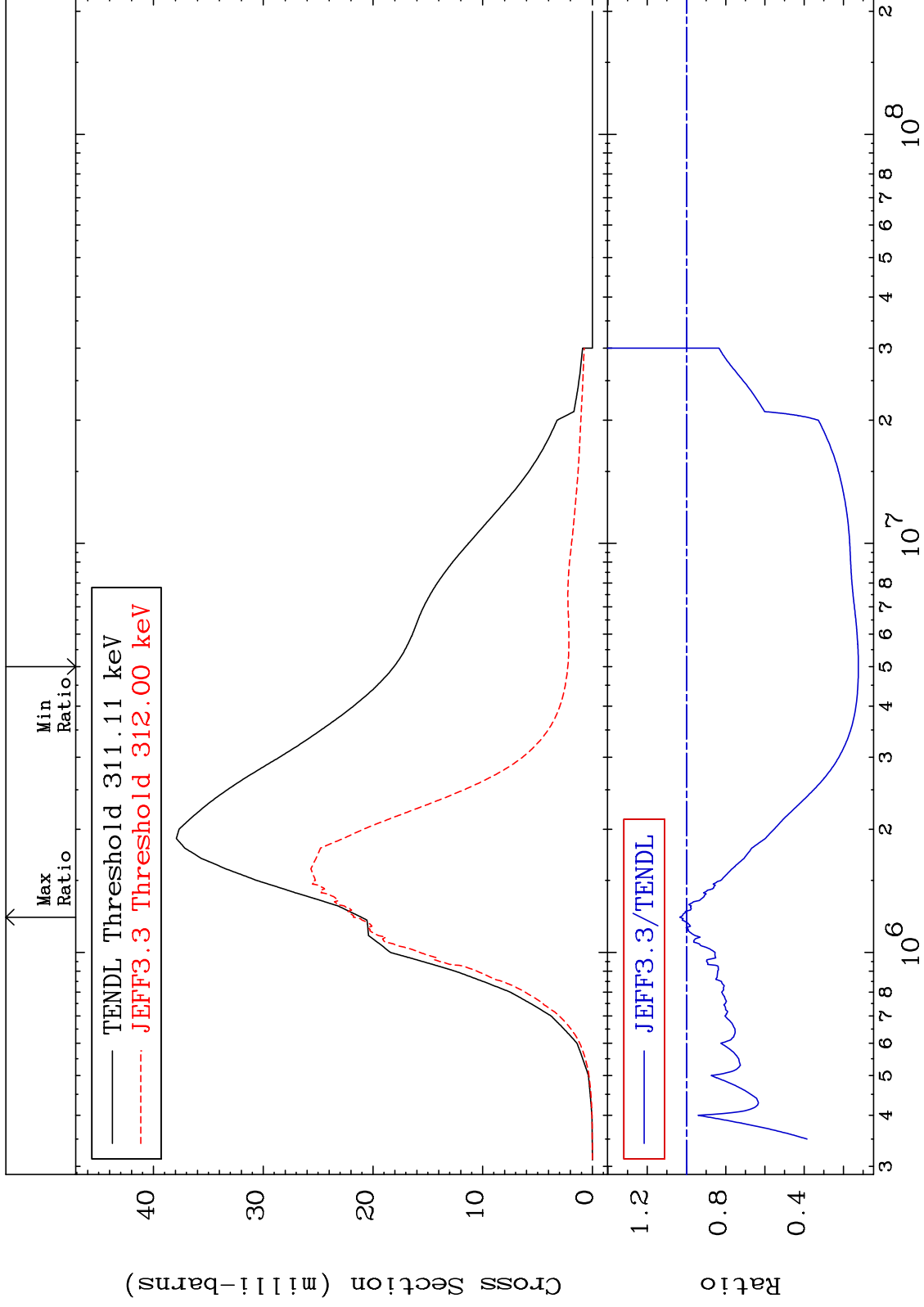
92-U -236
-38.84 To 90.34 %



MAT 9231

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

92-U -236
-87.61 To 3.408 %



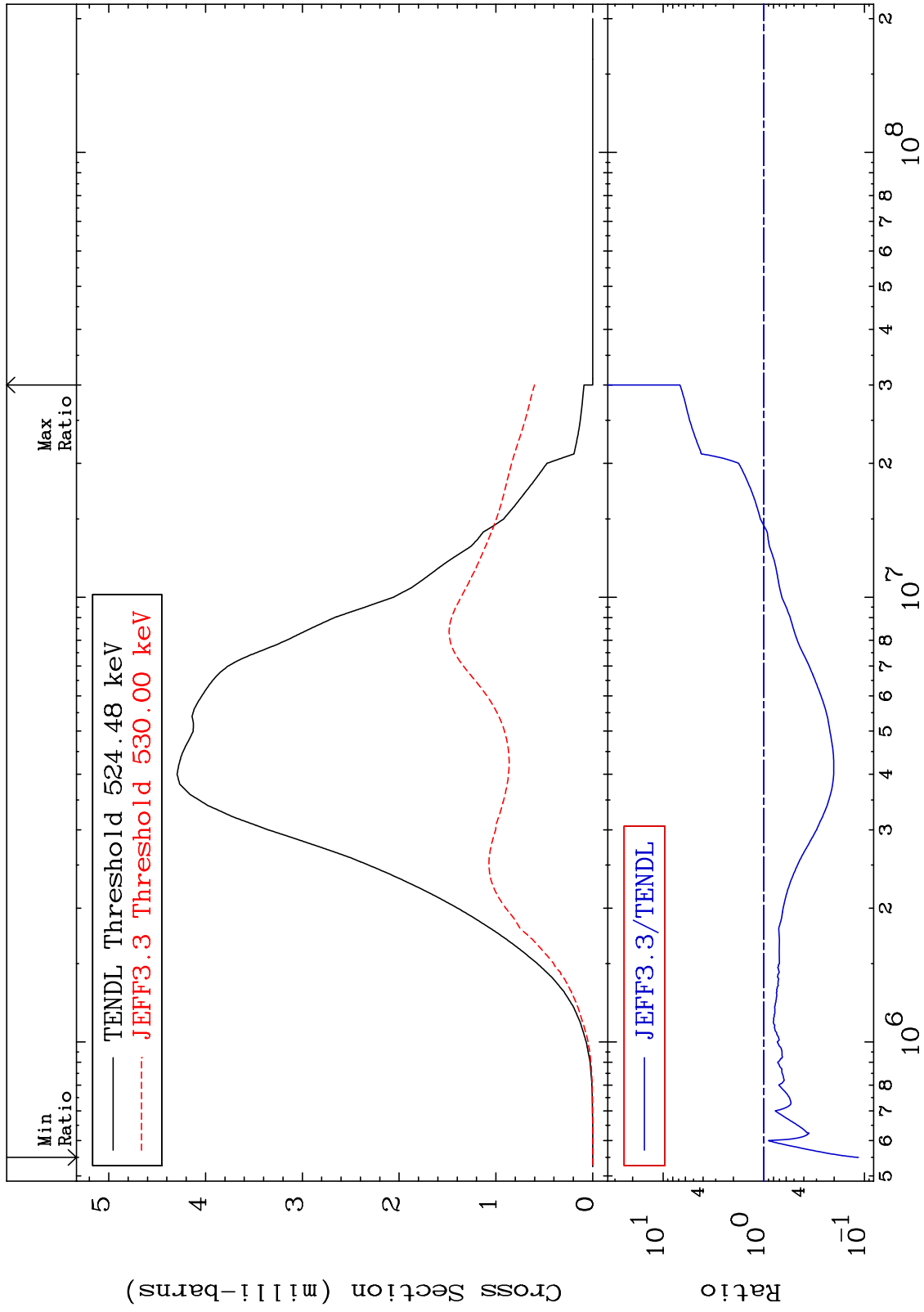
16

92-U -236

MAT 9231

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

92-U -236
-88.50 To 578.6 %



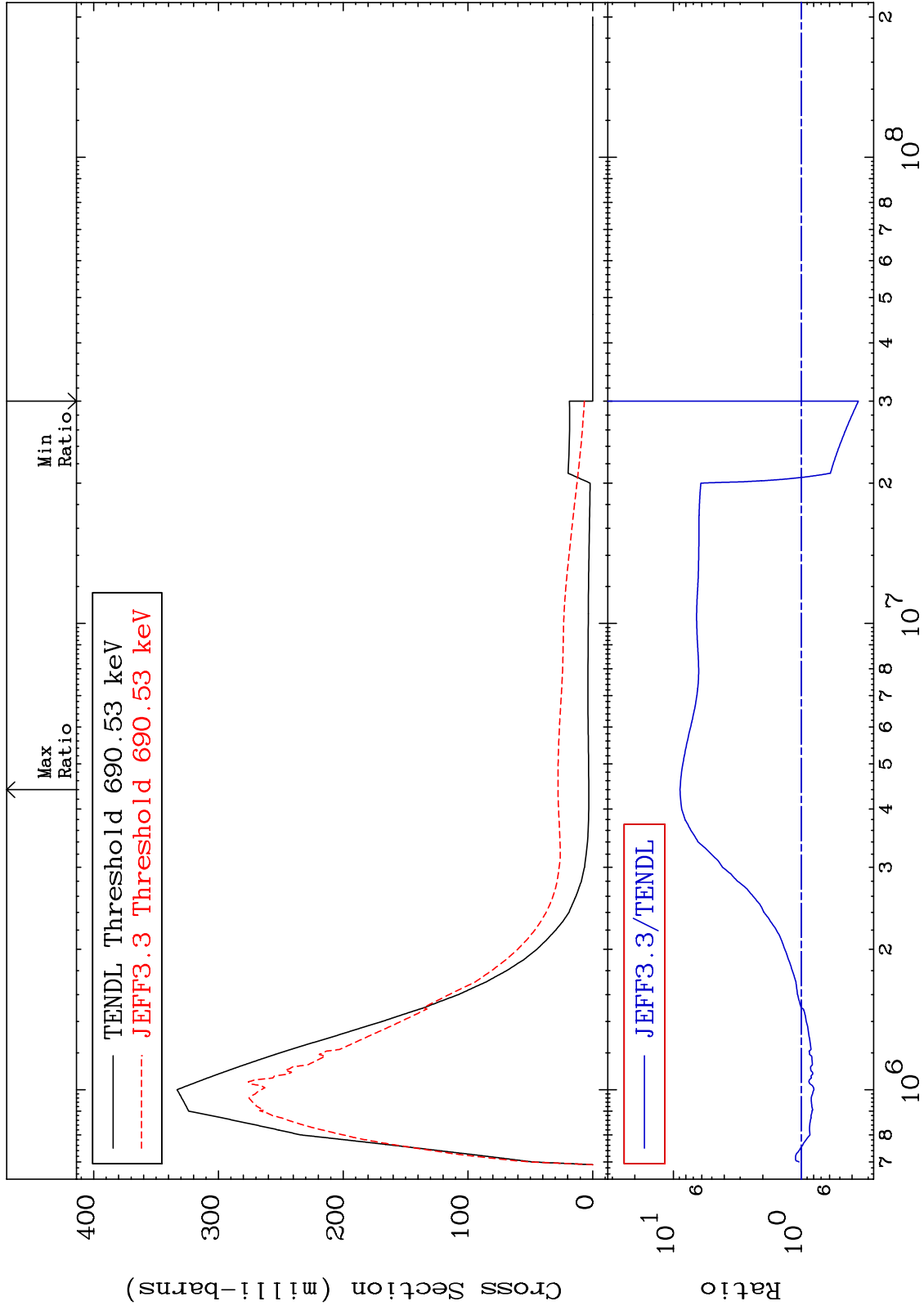
17

92-U -236

MAT 9231

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

92-U -236
-64.28 To 786.8 %



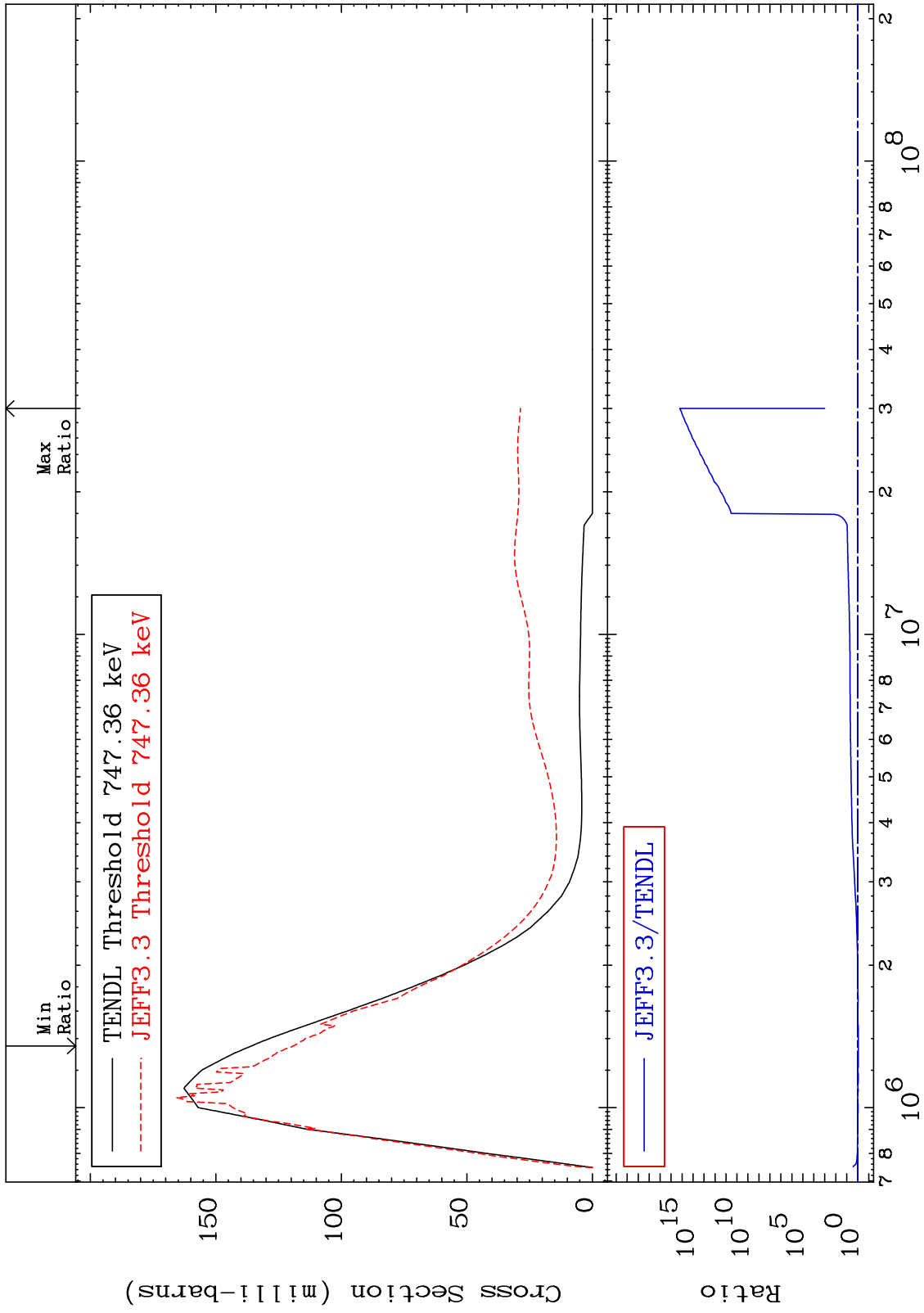
18

92-U -236

MAT 9231

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

92-U -236
-12.26 To 9999. %



19

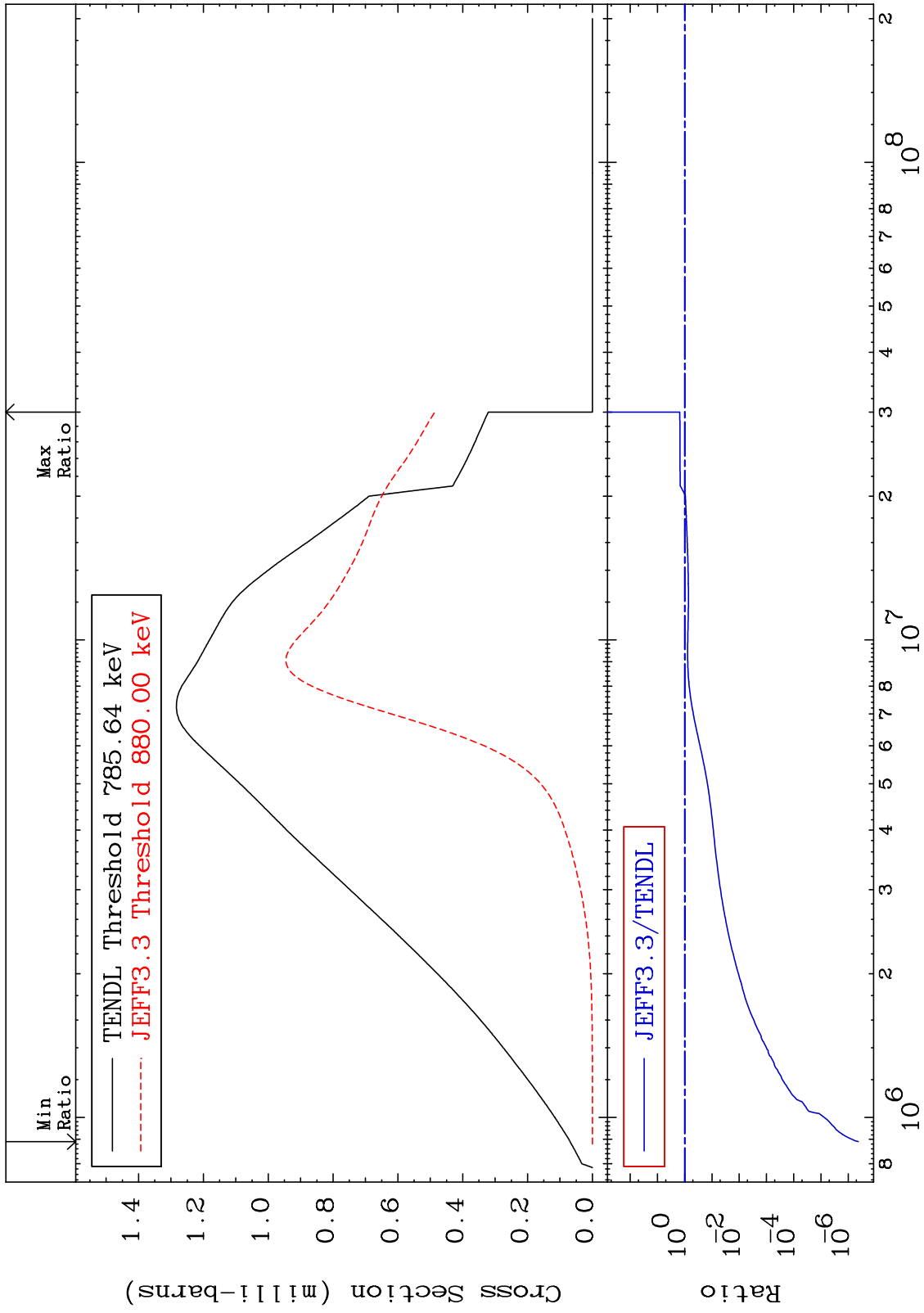
Incident Energy (eV)

92-U -236

MAT 9231

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

92-U -236
-100.0 To 51.38 %



20

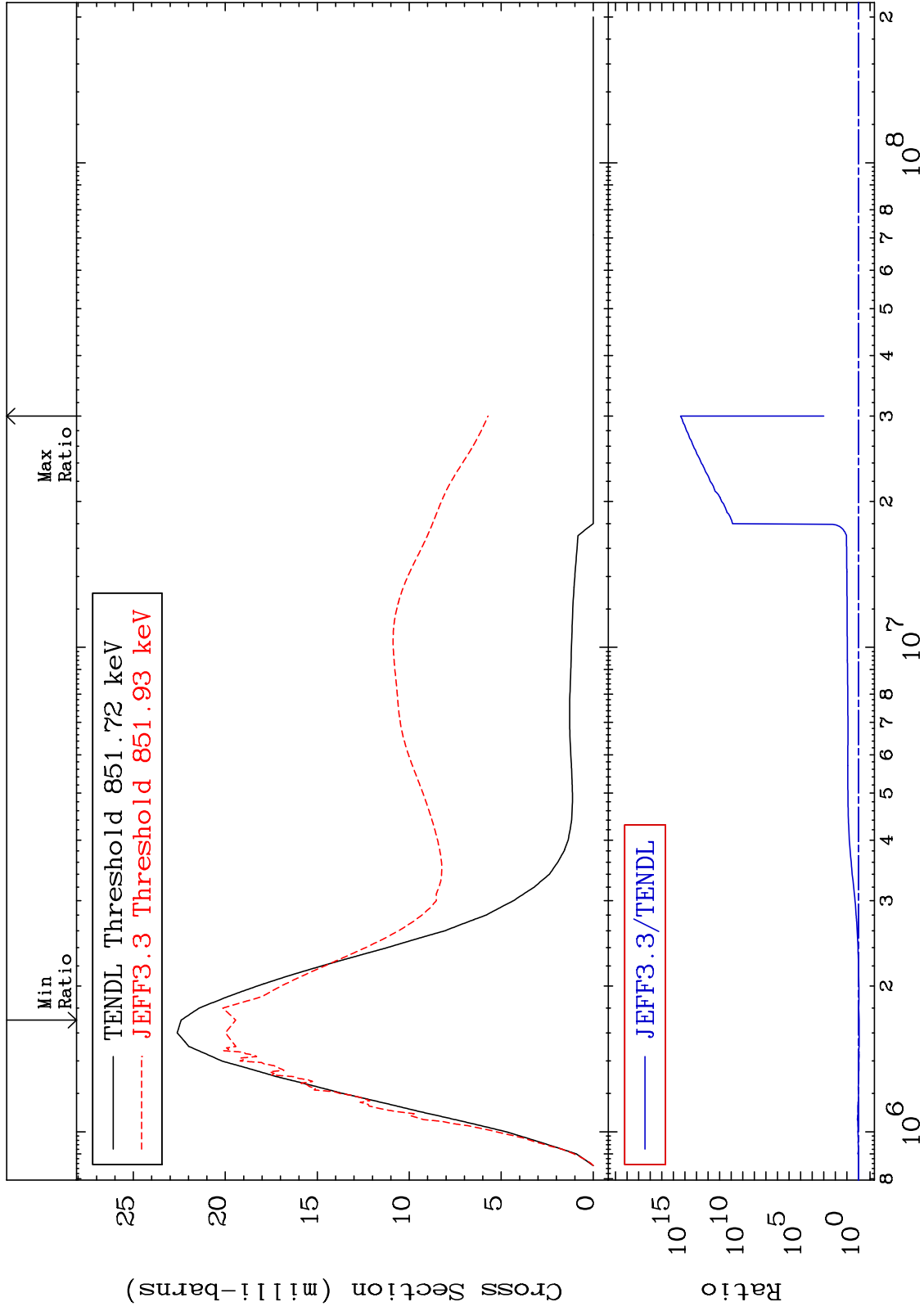
Incident Energy (eV)

92-U -236

MAT 9231

MT= 58 (n,n') Level
Cross Section

92-U -236
-13.24 To 9999. %



21

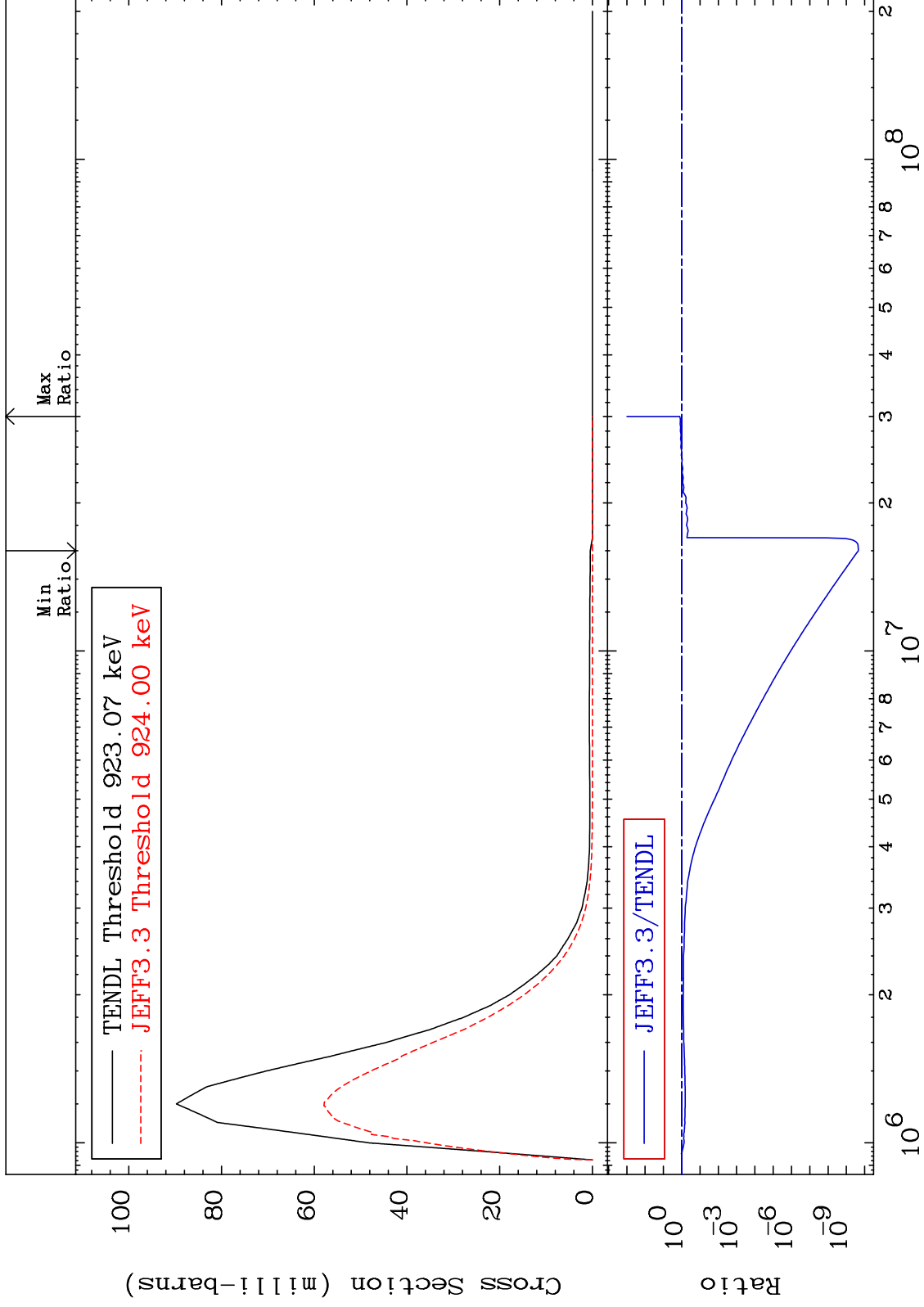
Incident Energy (eV)

92-U -236

MAT 9231

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

92-U -236
-100.0 To 27.15 %



22

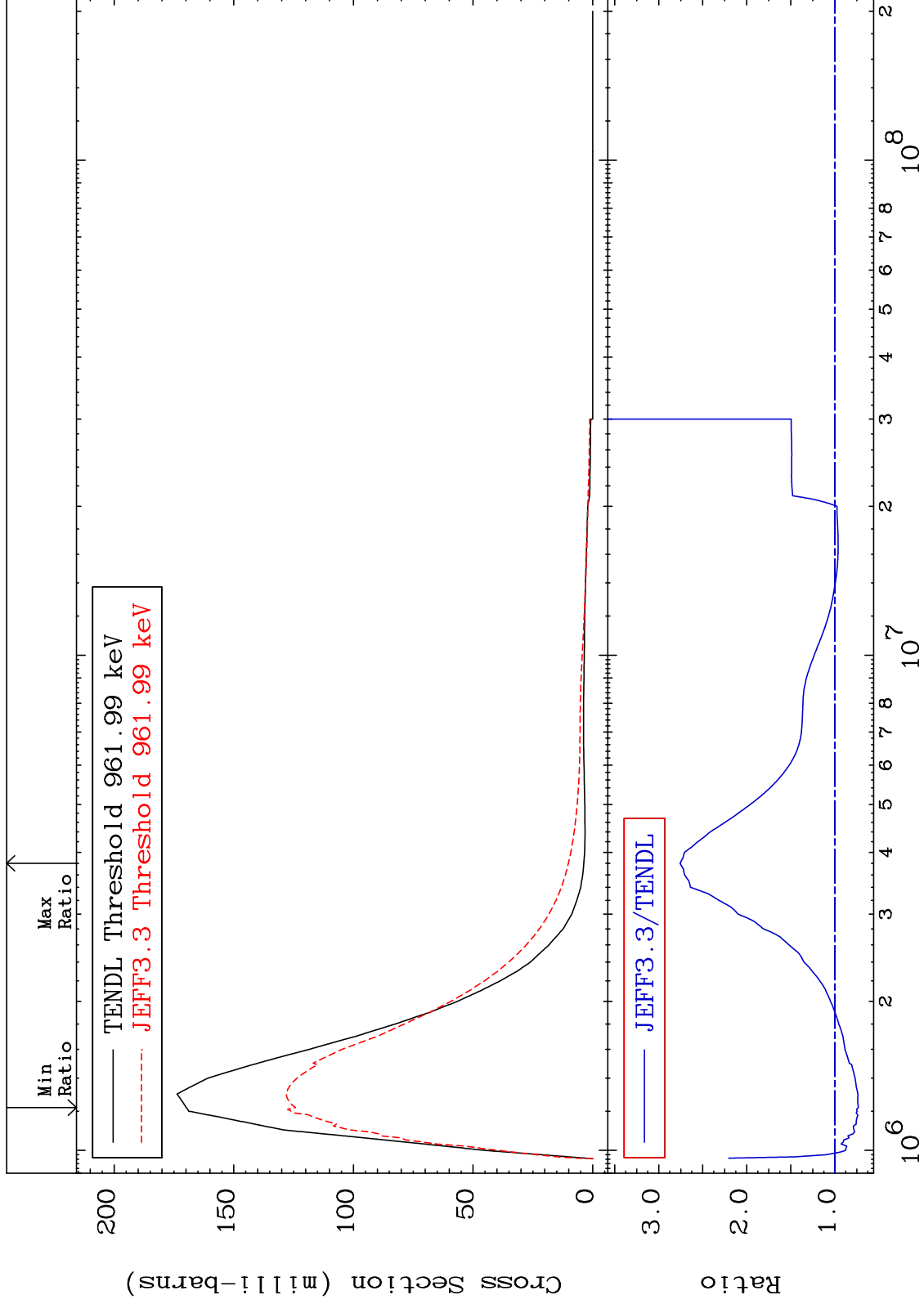
Incident Energy (eV)

92-U -236

MAT 9231

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

92-U -236
-26.82 To 175.8 %



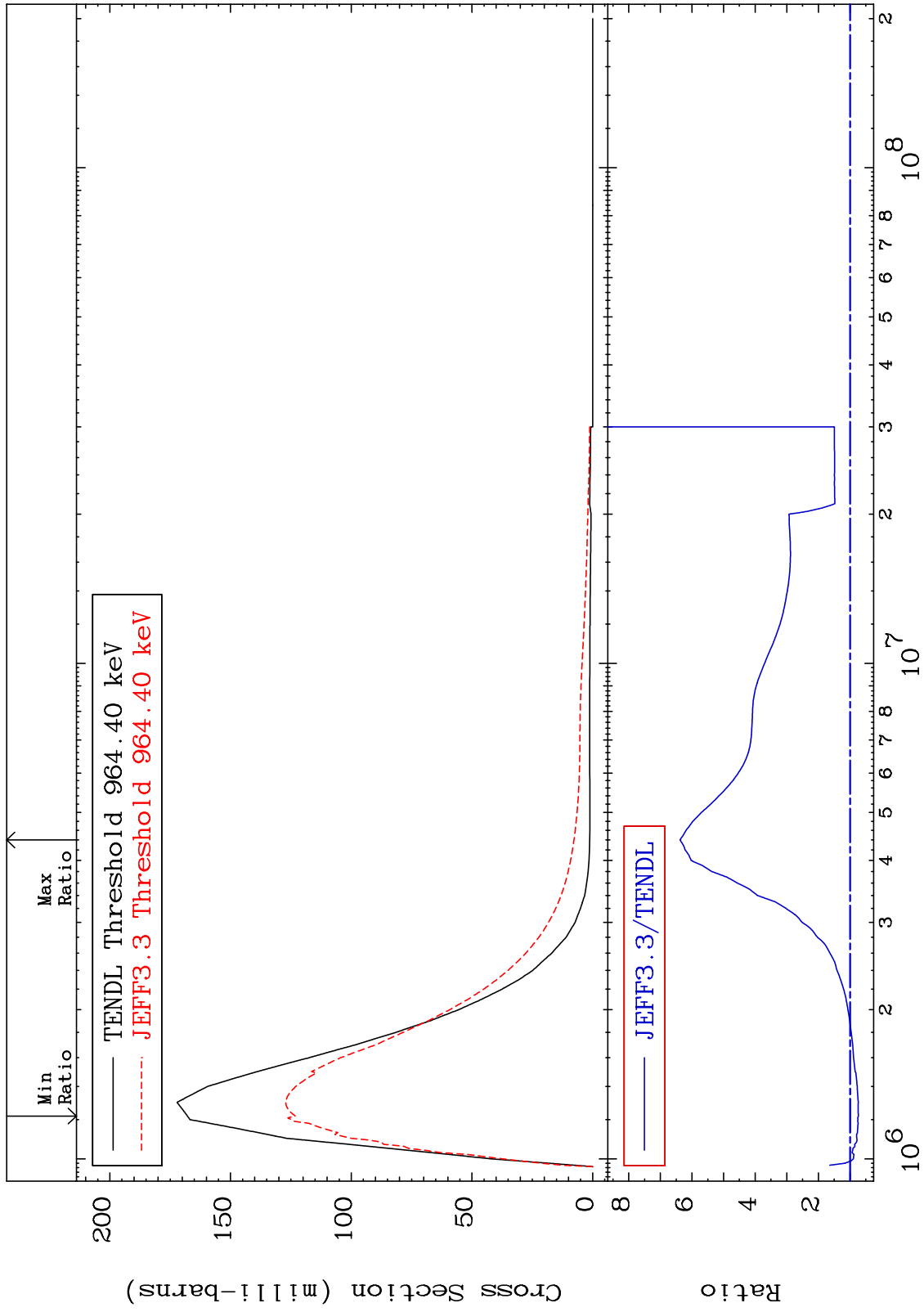
23

92-U -236

MAT 9231

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

92-U -236
-26.63 To 537.8 %



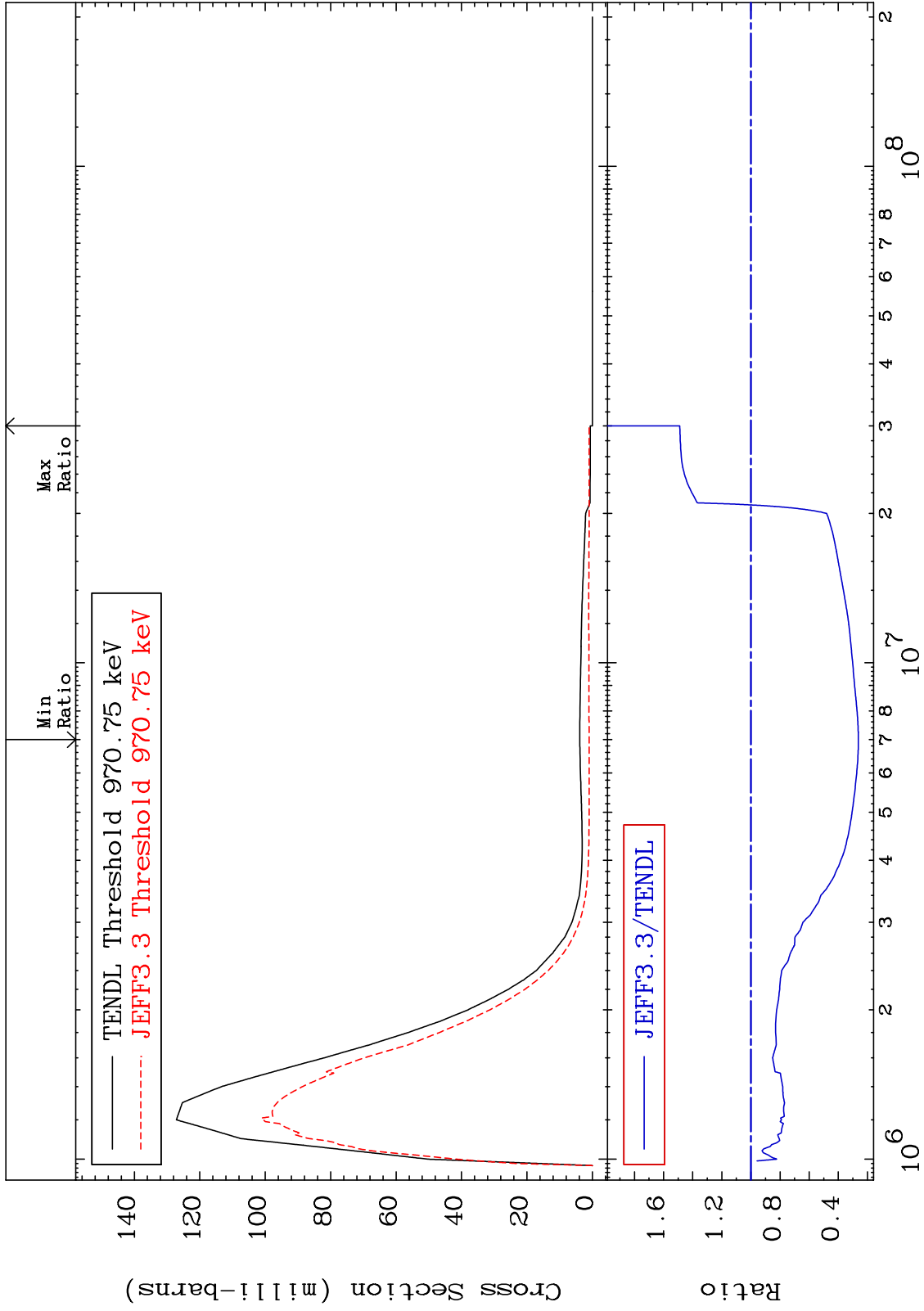
24

92-U -236

MAT 9231

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

92-U -236
-73.76 To 48.86 %



25

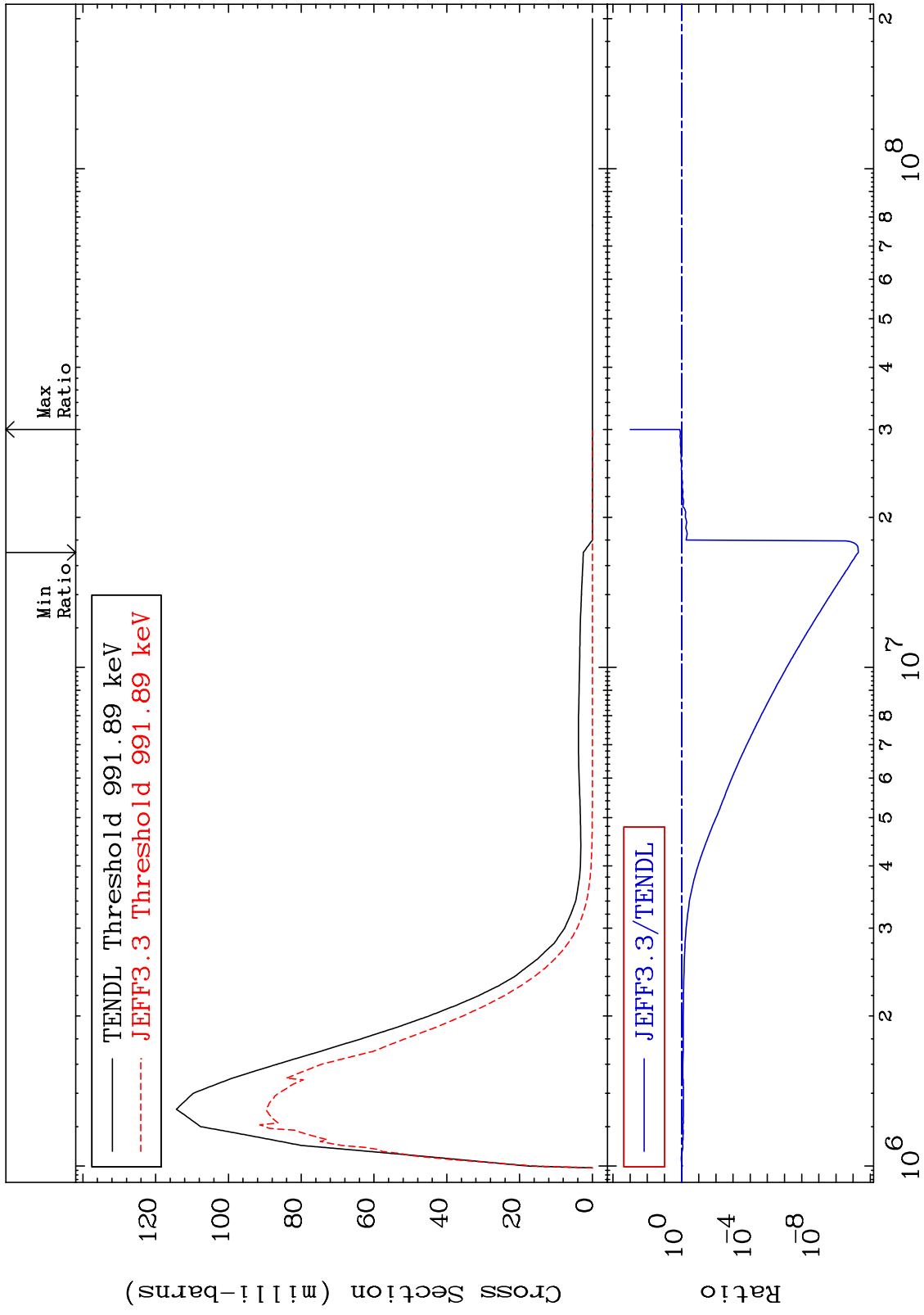
Incident Energy (eV)

92-U -236

MAT 9231

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

92-U -236
-100.0 To 27.43 %



26

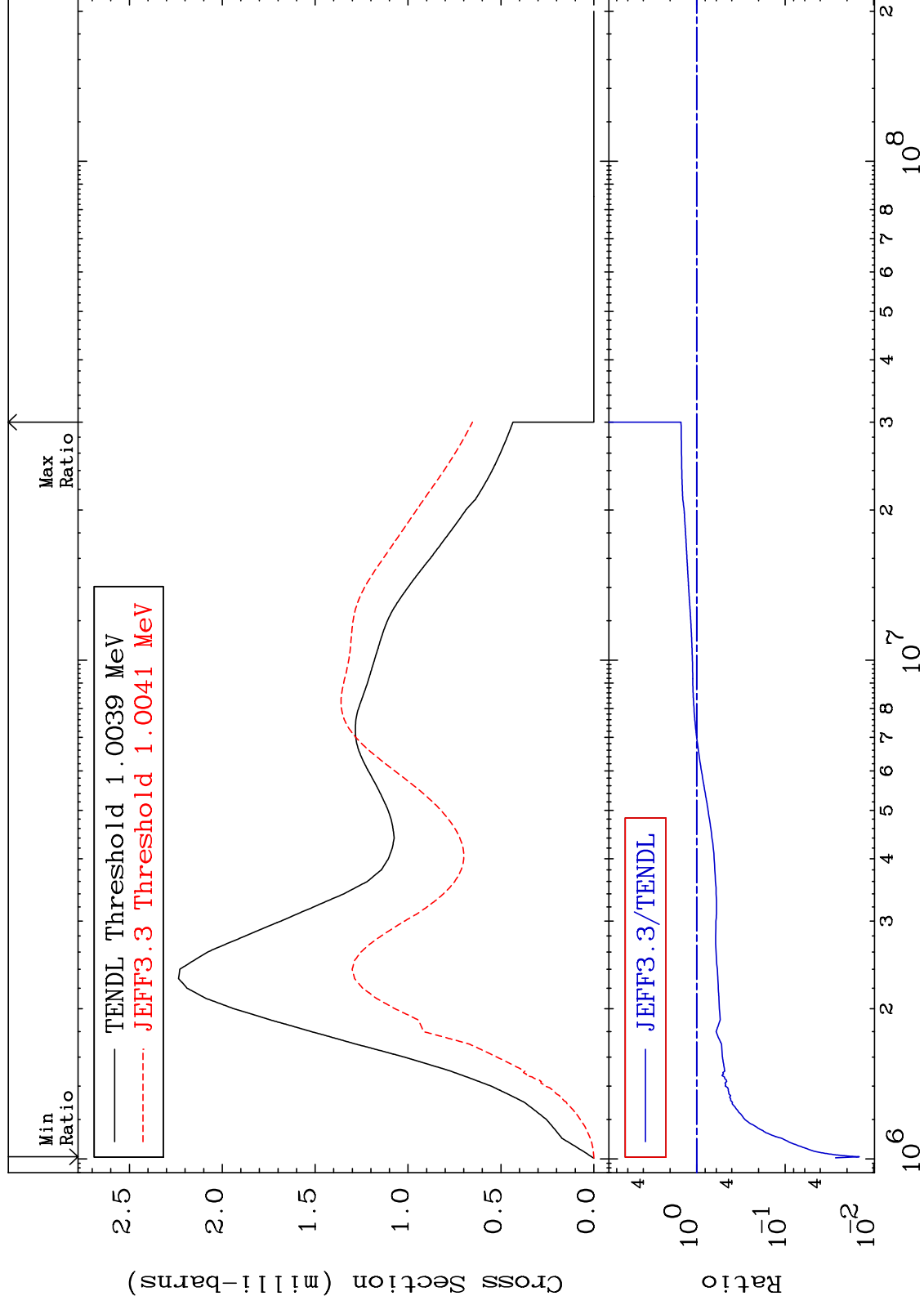
Incident Energy (eV)

92-U -236

MAT 9231

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

92-U -236
-98.55 To 50.07 %



27

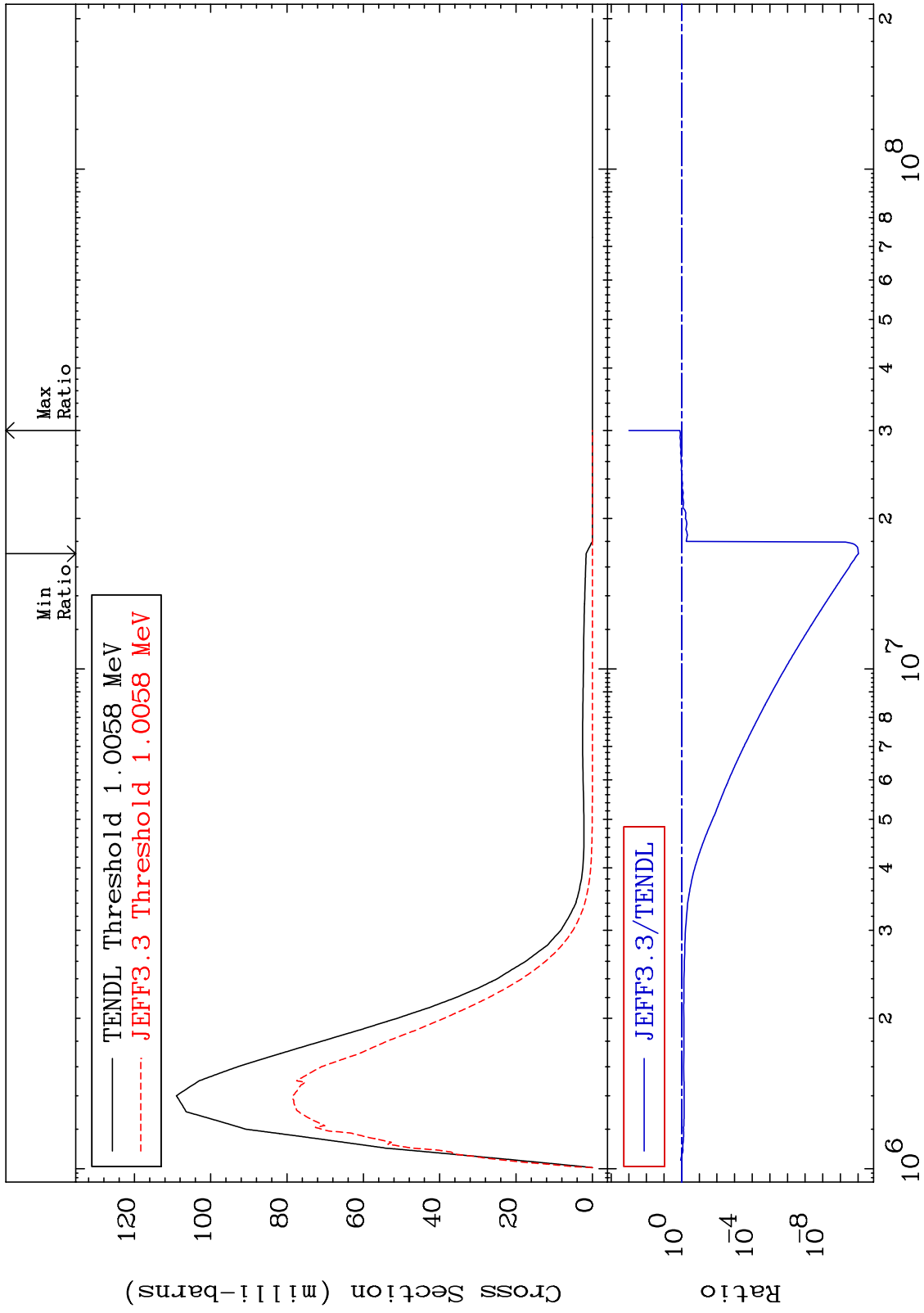
Incident Energy (eV)

92-U -236

MAT 9231

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

92-U -236
-100.0 To 27.79 %



28

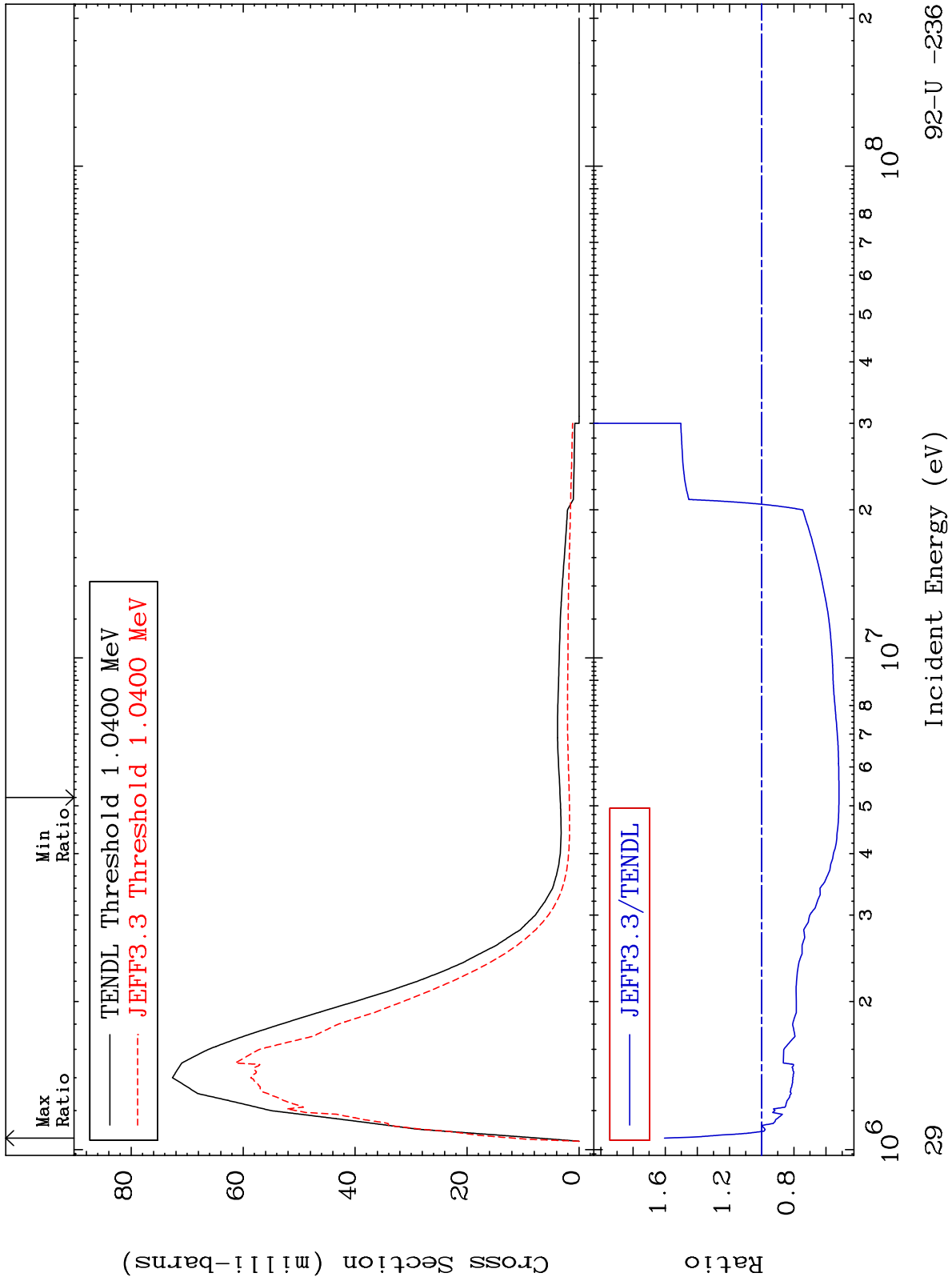
Incident Energy (eV)

92-U -236

MAT 9231

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

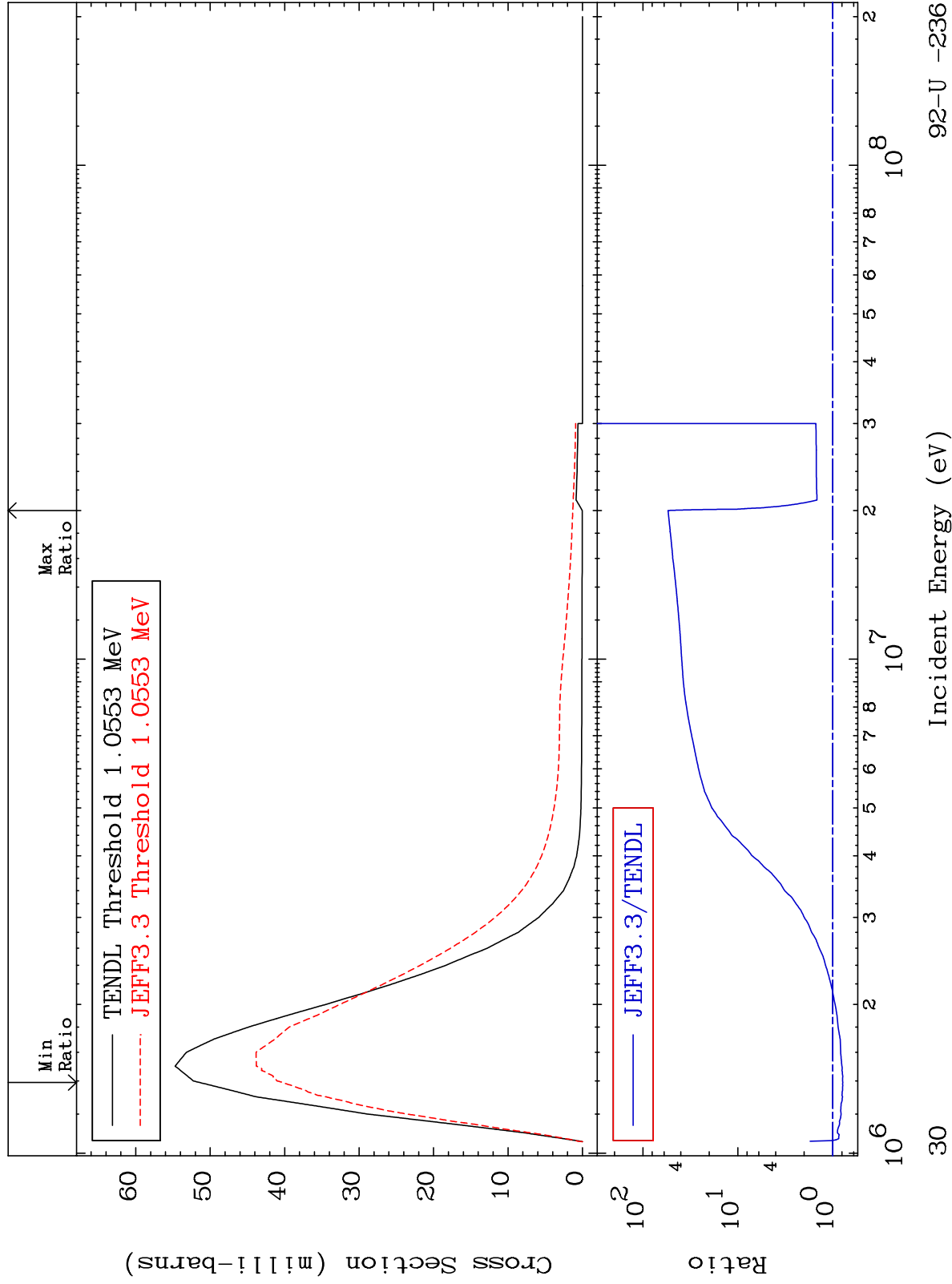
92-U -236
-48.09 To 60.46 %



MAT 9231

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

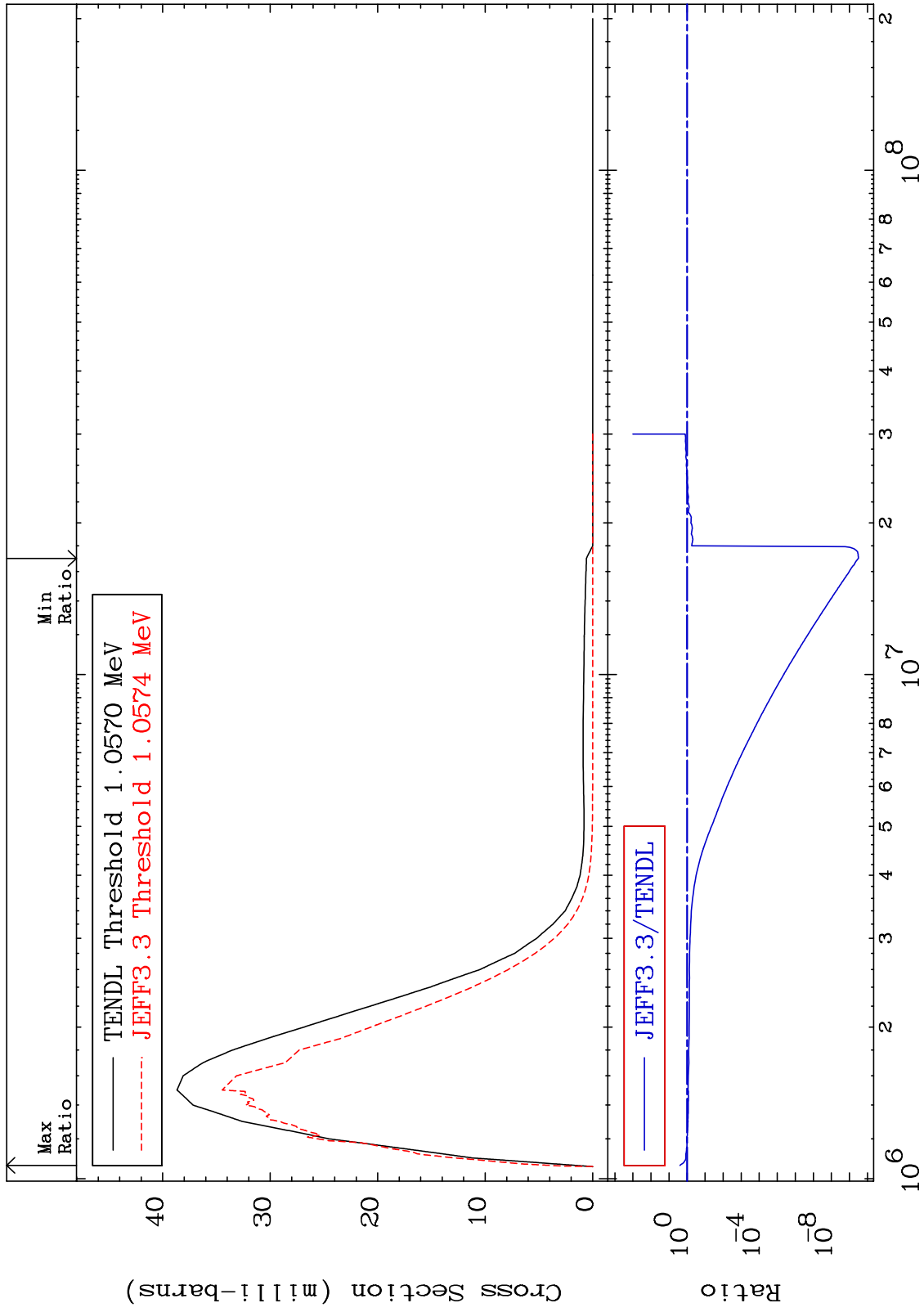
92-U -236
-21.87 To 5348. %



MAT 9231

MT= 68 (n, n') Level
Cross Section

92-U -236
-100.0 To 145.4 %



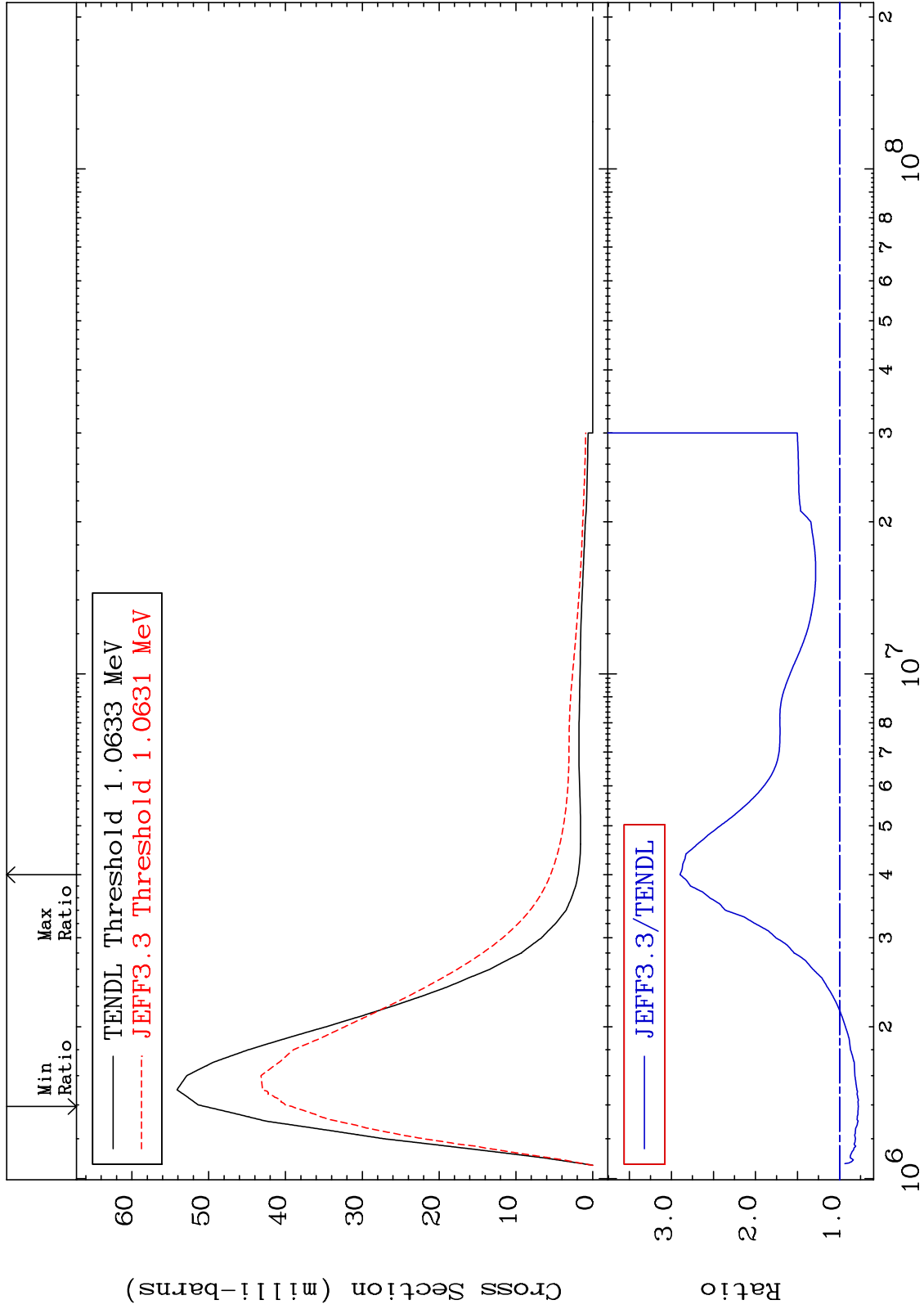
31

92-U -236

MAT 9231

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

92-U -236
-22.42 To 189.8 %



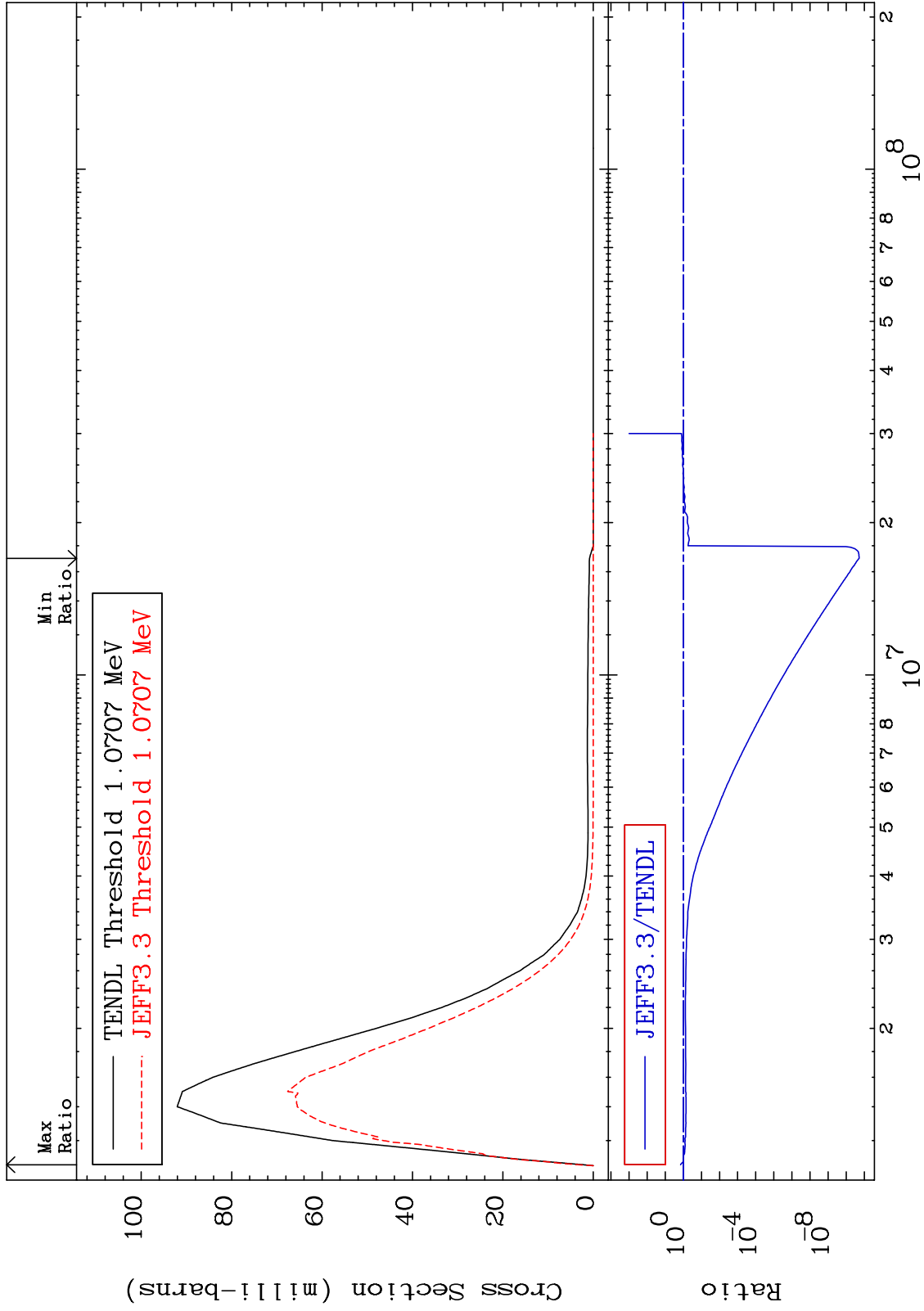
32

92-U -236

MAT 9231

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

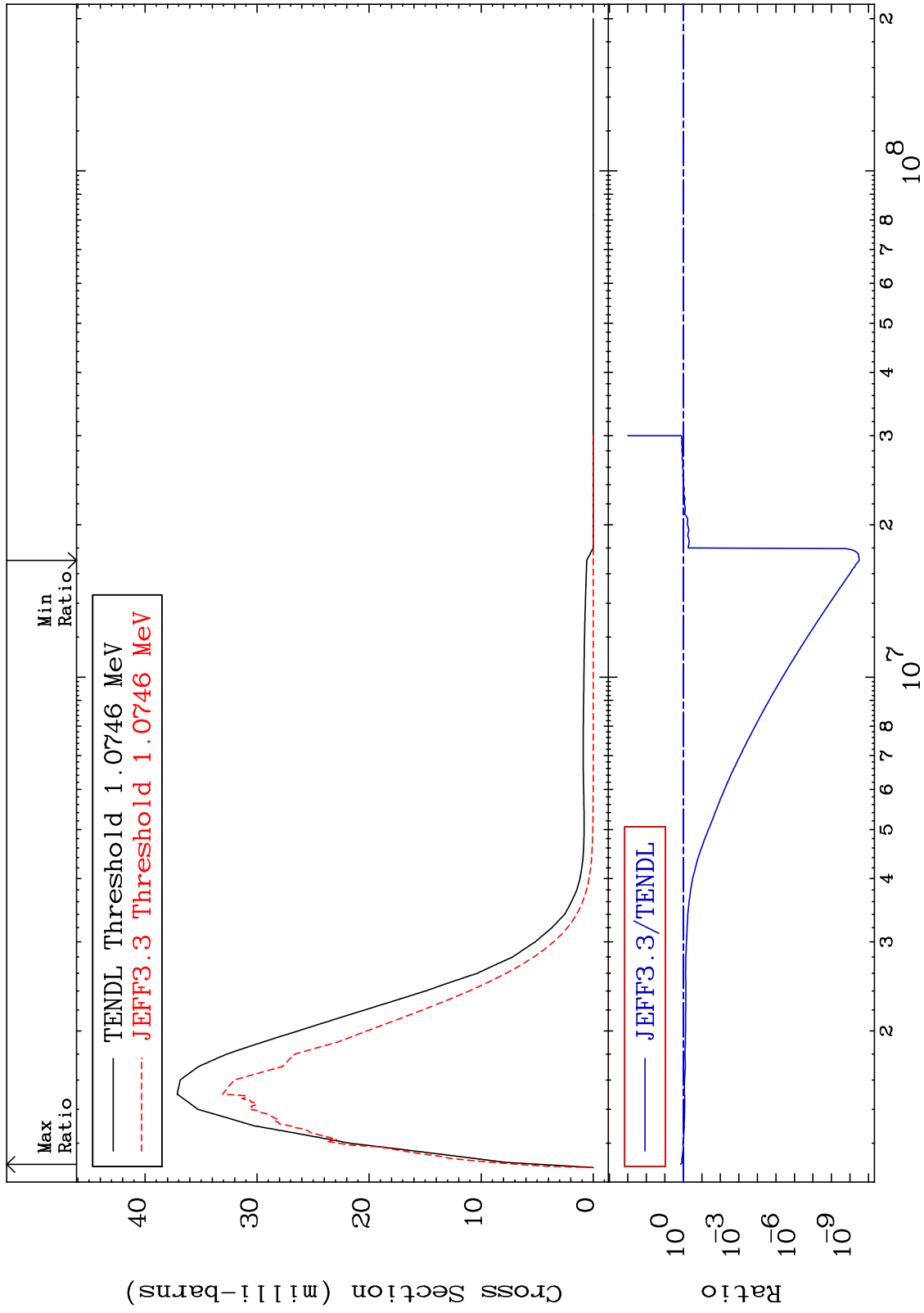
92-U -236
-100.0 To 41.30 %



MAT 9231

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

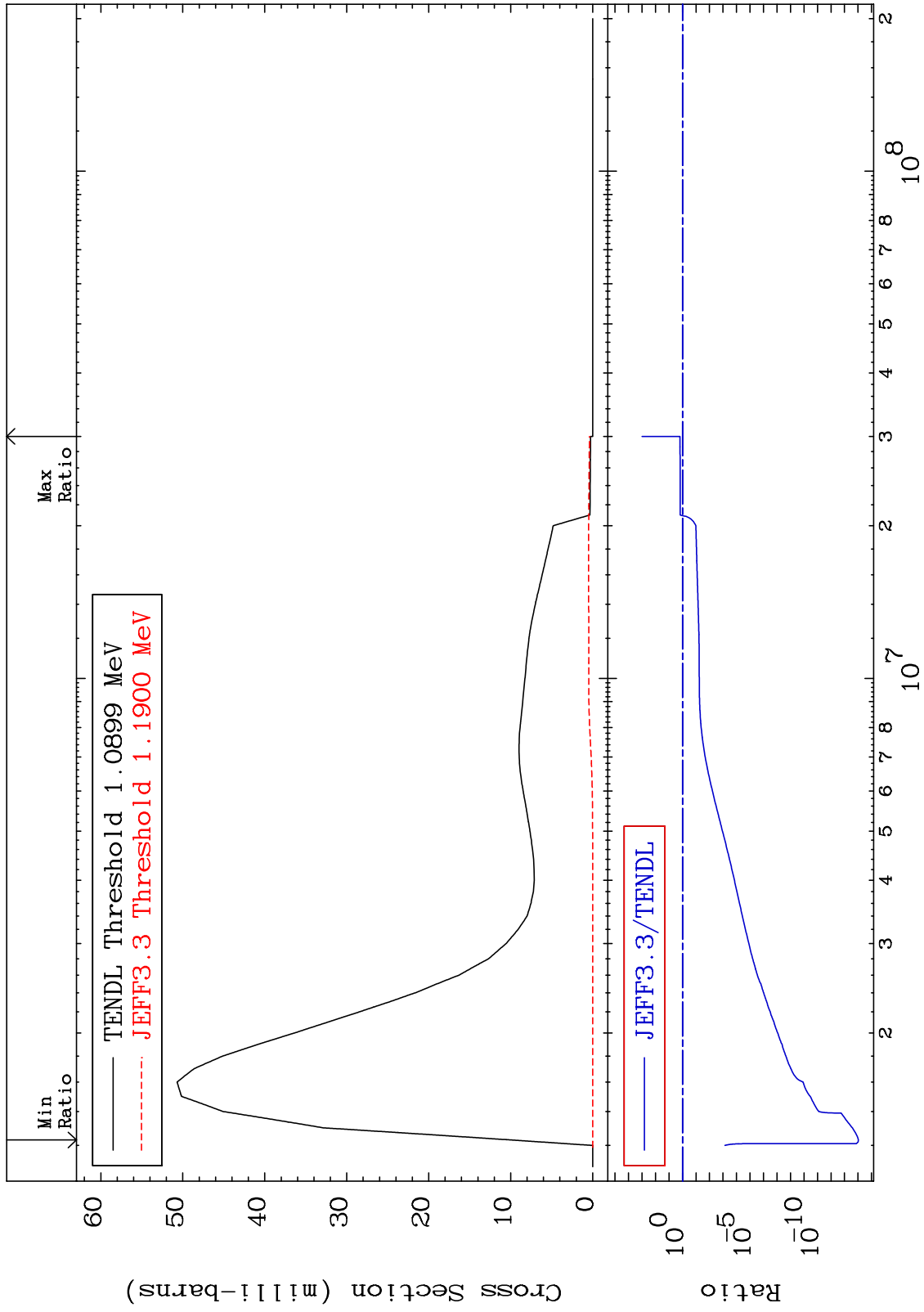
92-U -236
-100.0 To 40.56 %



MAT 9231

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

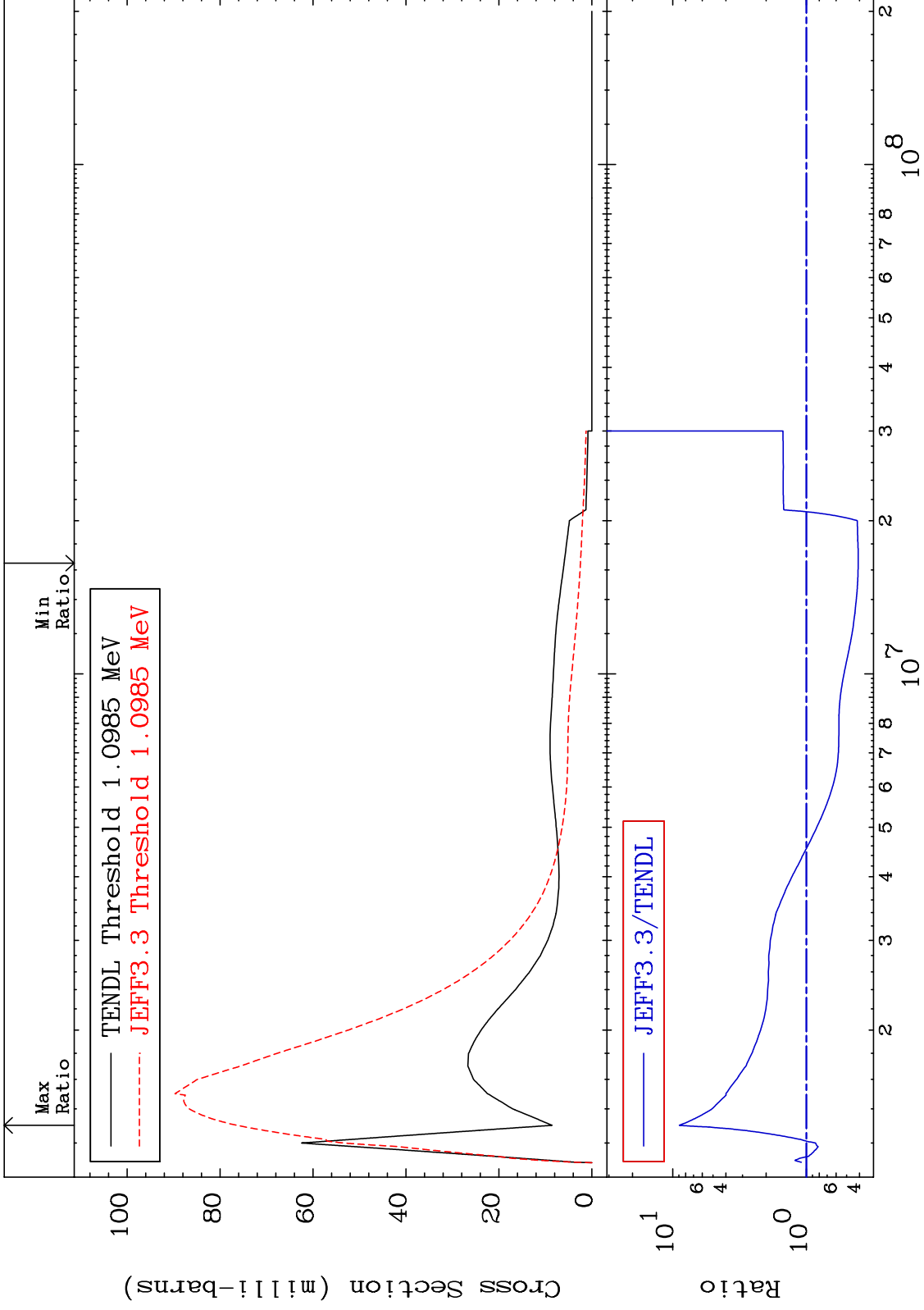
92-U -236
-100.0 To 52.21 %



MAT 9231

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

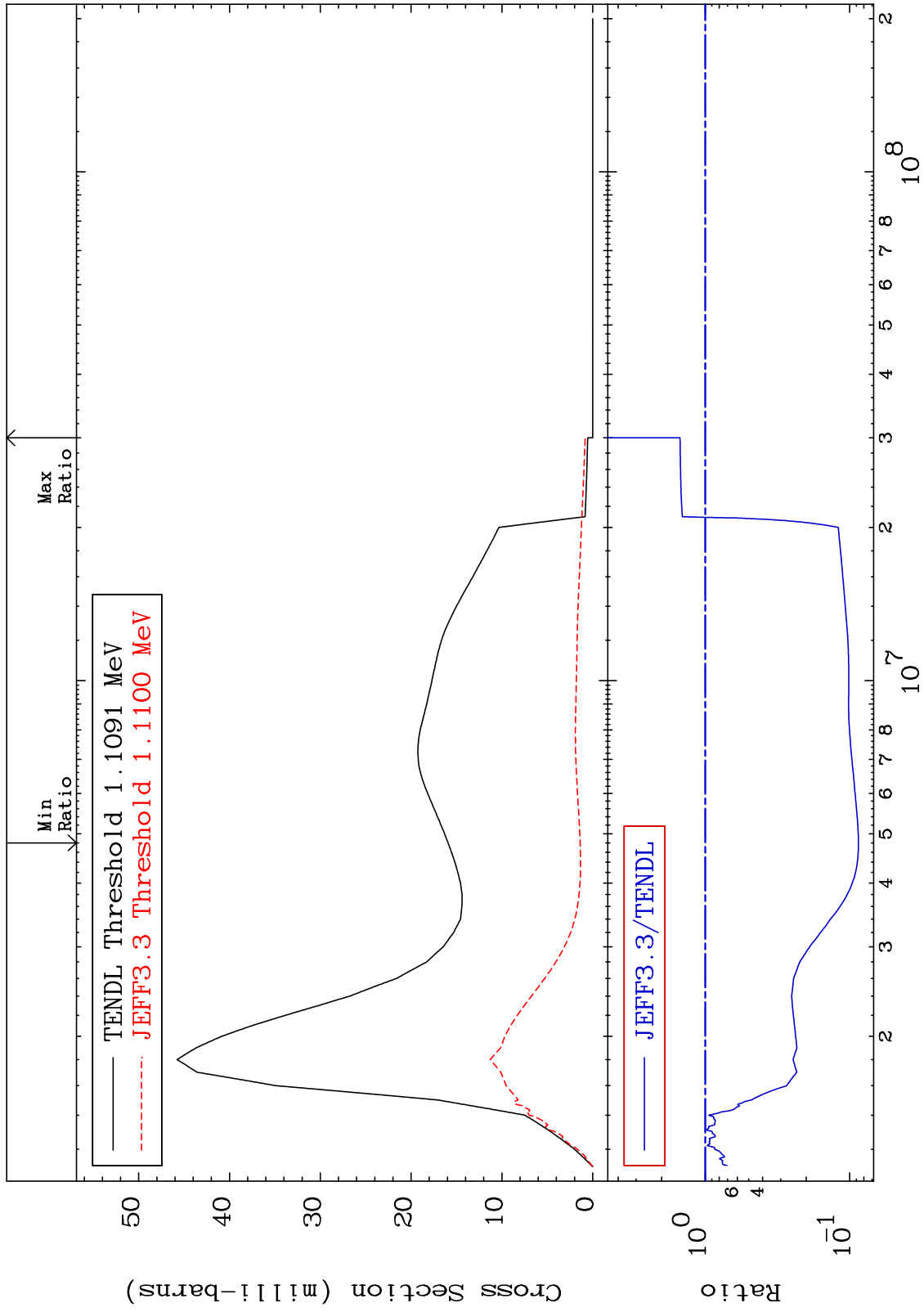
92-U -236
-59.05 To 791.5 %



MAT 9231

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

92-U -236
-91.29 To 49.31 %



37

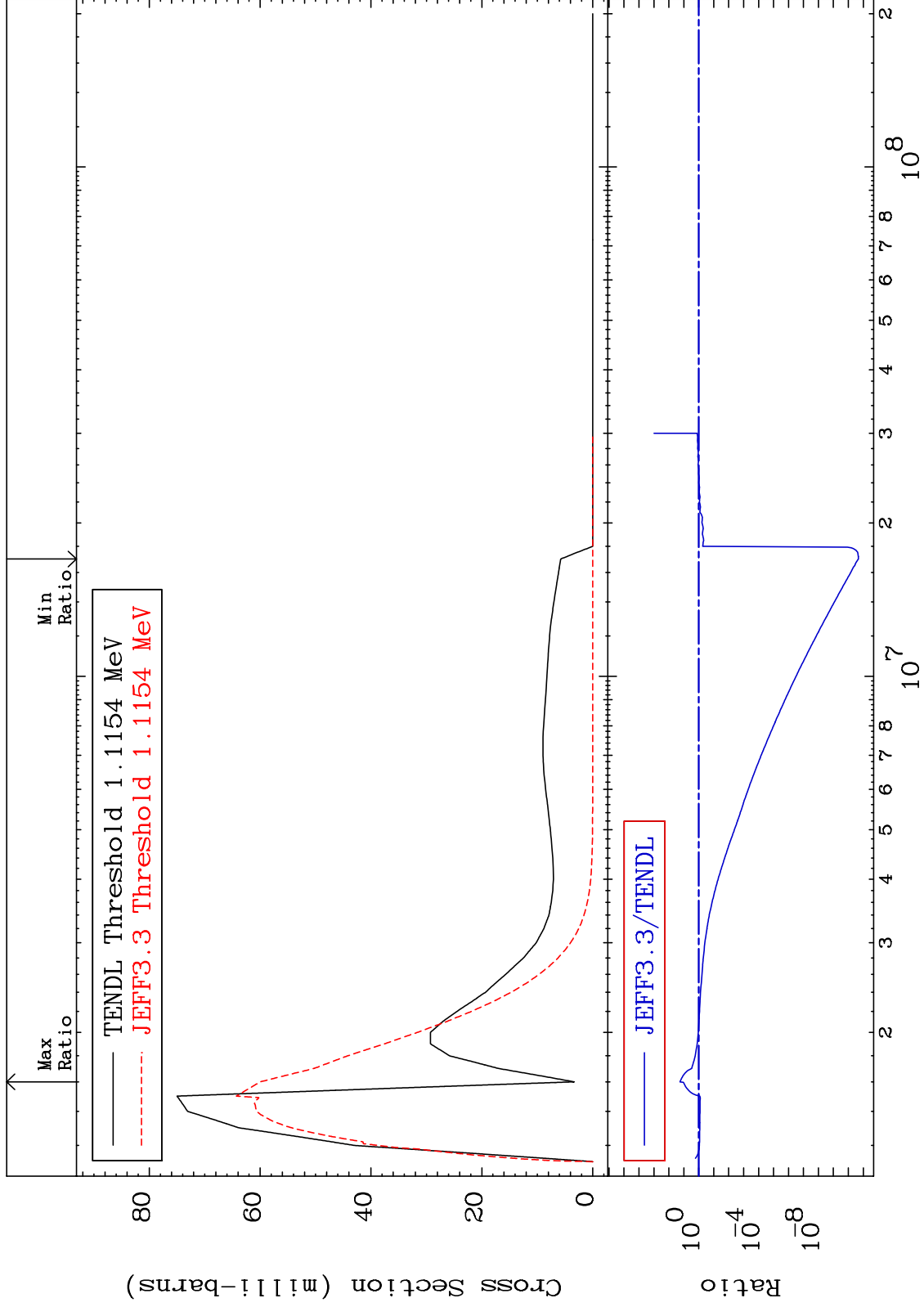
Incident Energy (eV)

92-U -236

MAT 9231

MT= 75 (n,n') Level
Cross Section

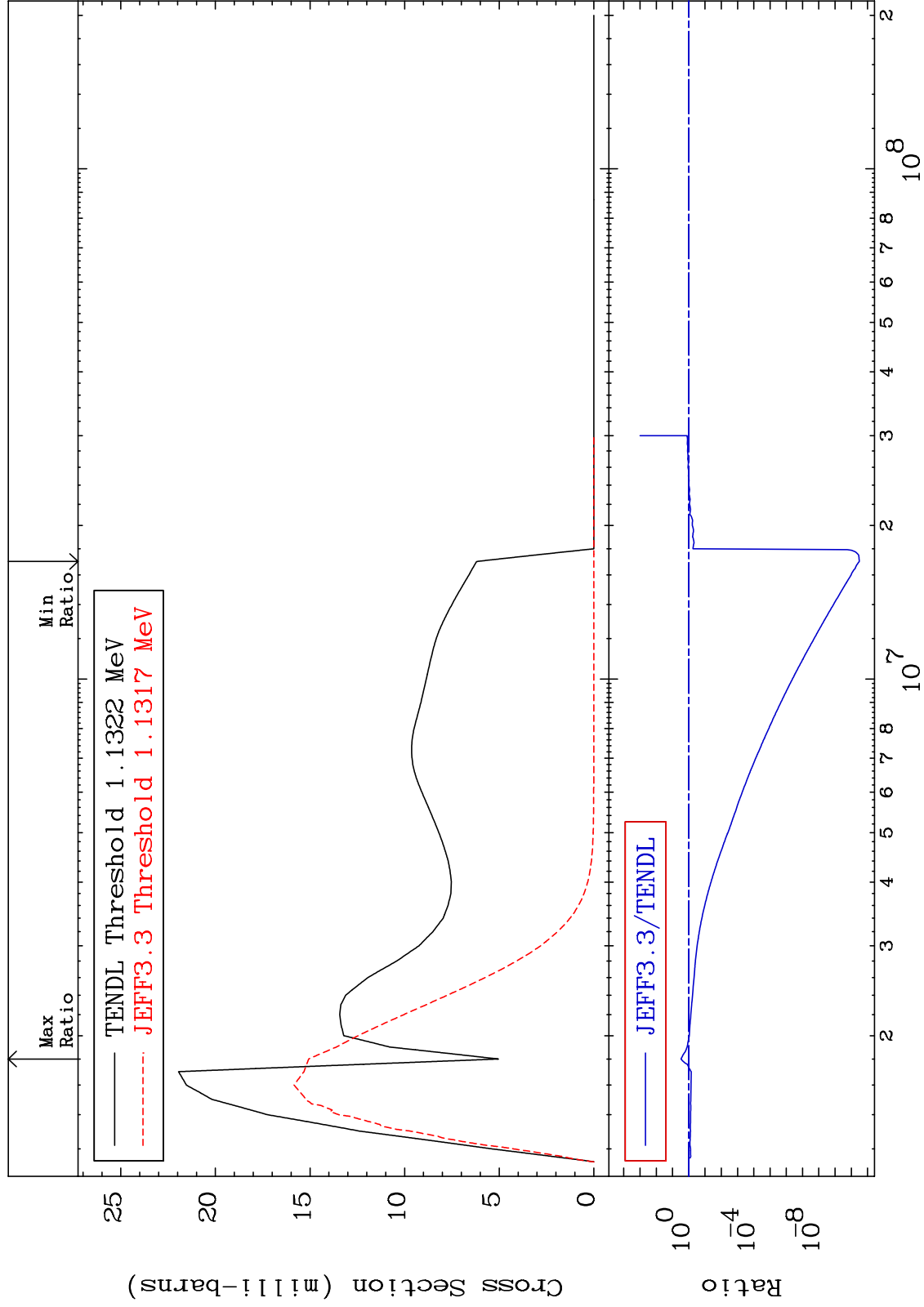
92-U -236
-100.0 To 1690. %



MAT 9231

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

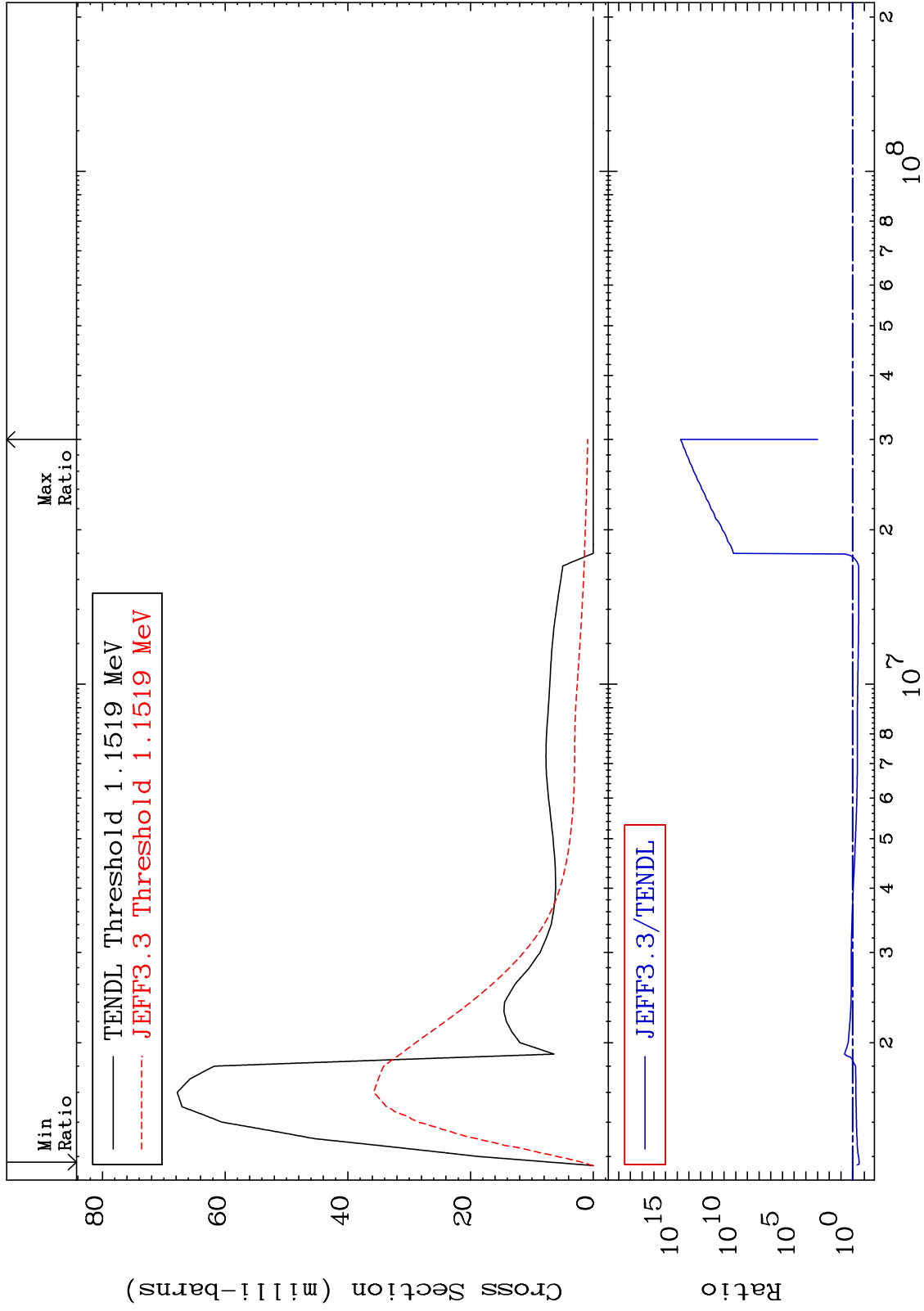
92-U -236
-100.0 To 199.0 %



MAT 9231

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

92-U -236
-72.31 To 9999. %



40

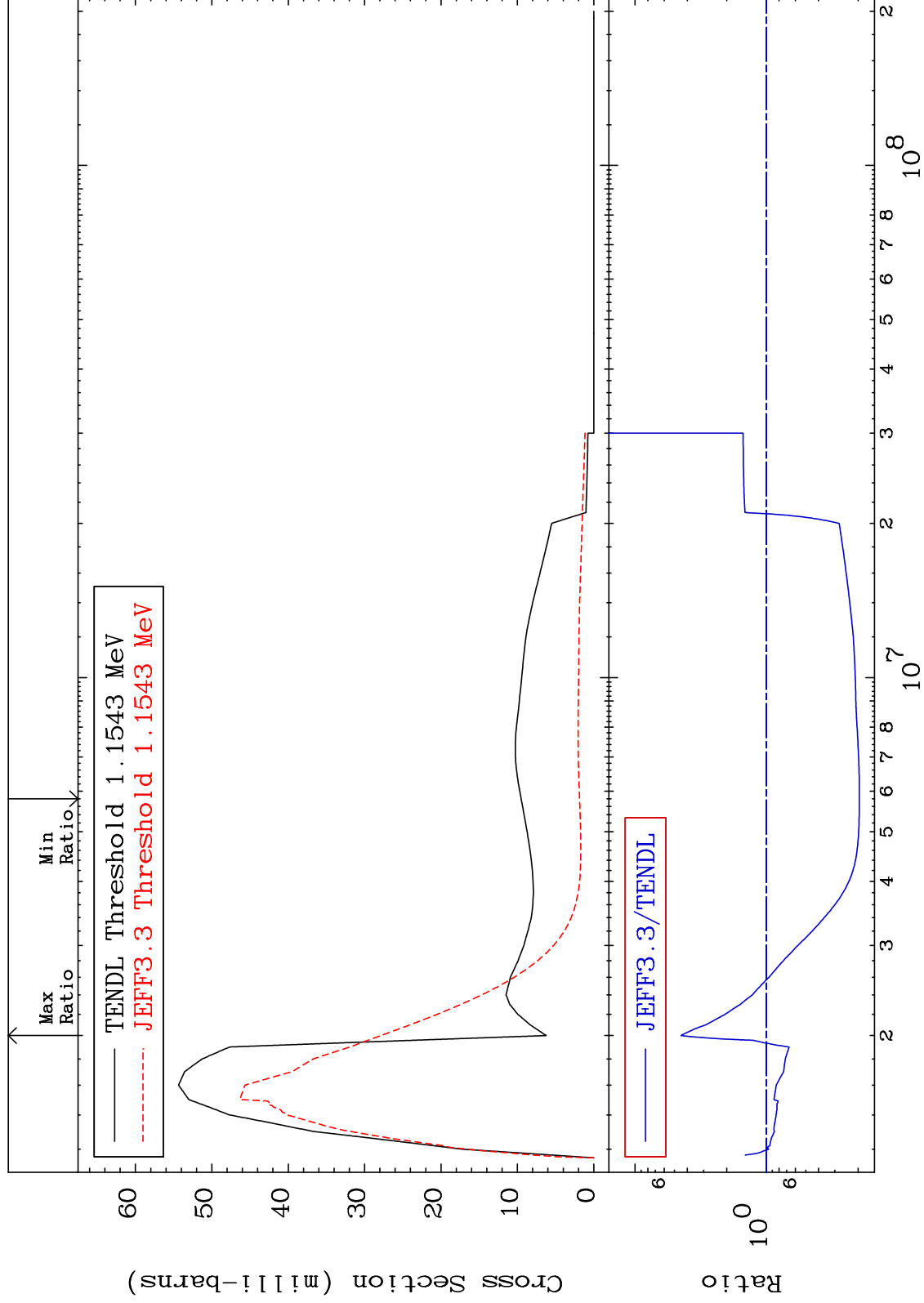
Incident Energy (eV)

92-U -236

MAT 9231

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

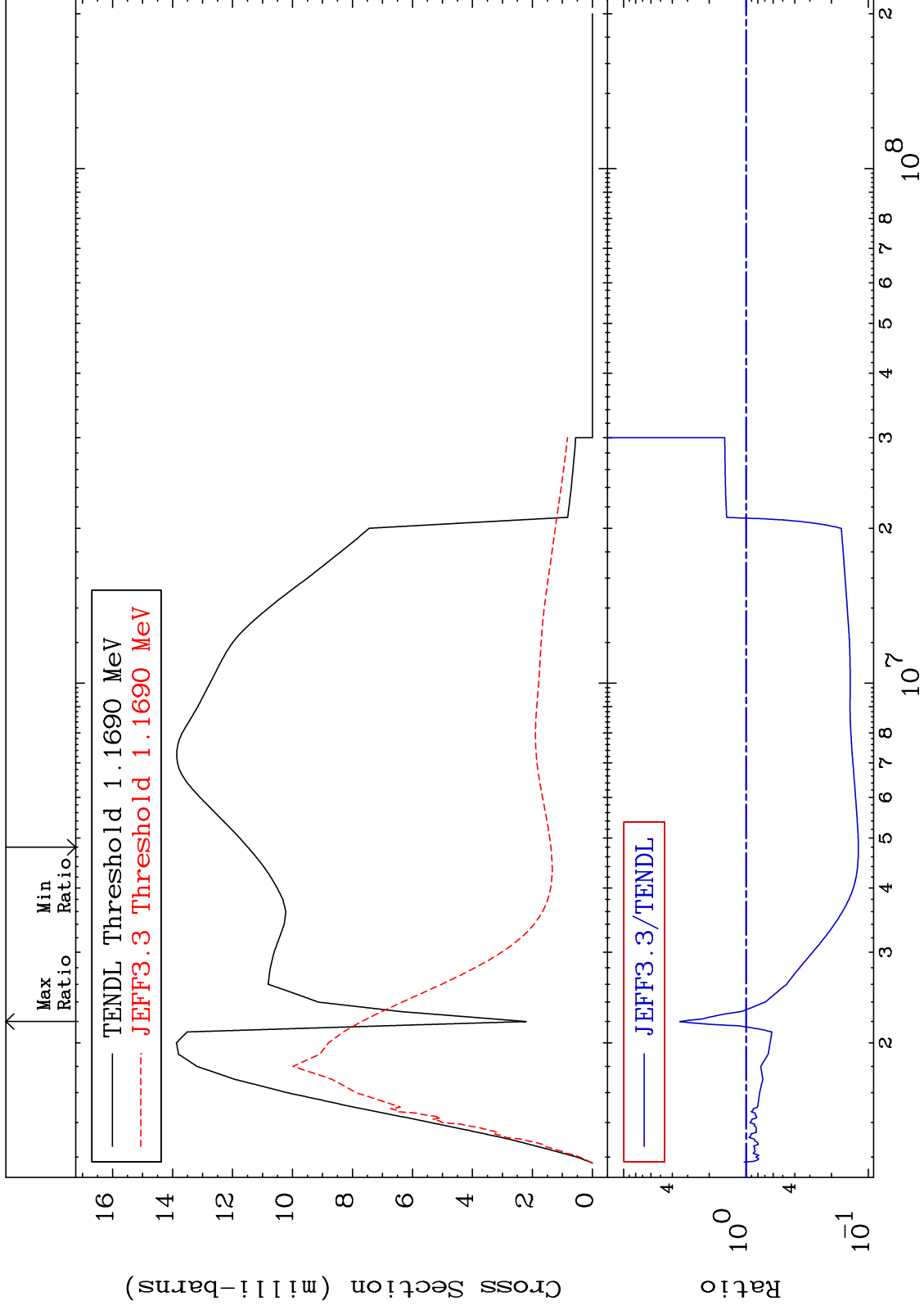
92-U -236
-80.43 To 346.1 %



MAT 9231

MT= 79 (n,n') Level
Cross Section

92-U -236
-87.94 To 247.9 %



42

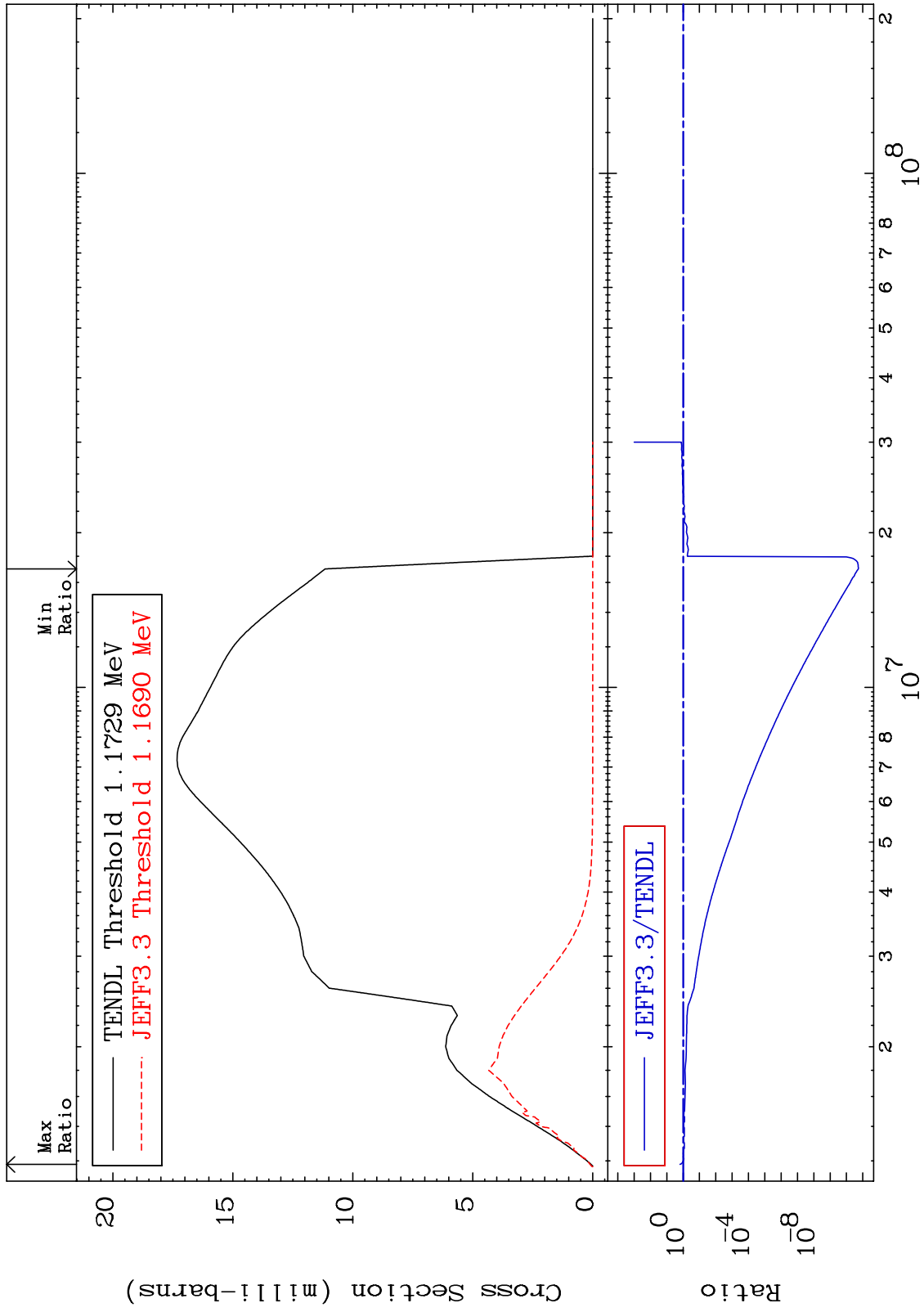
Incident Energy (eV)

92-U -236

MAT 9231

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

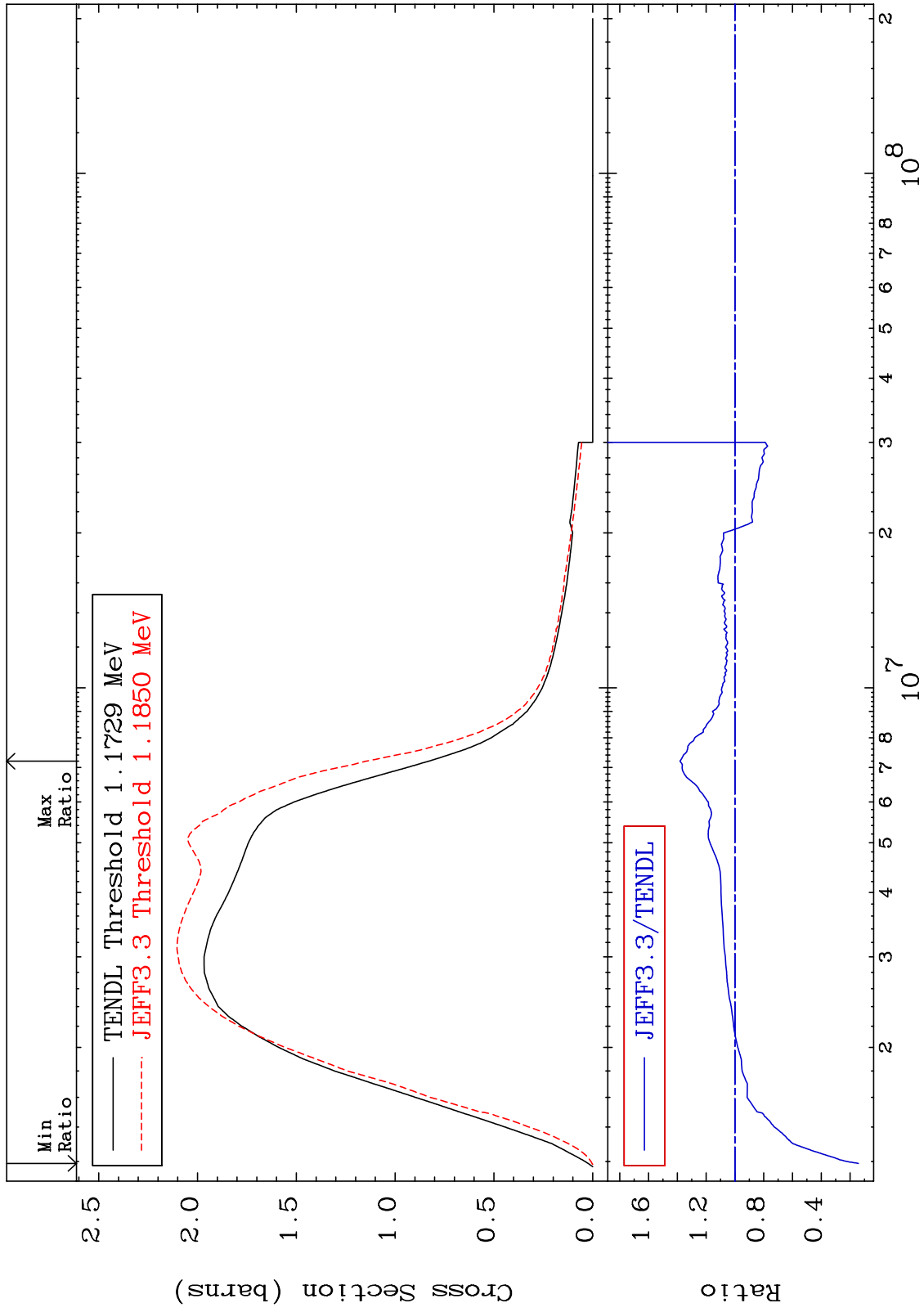
92-U -236
-100.0 To 55.03 %



MAT 9231

(n,n') Continuum
Cross Section

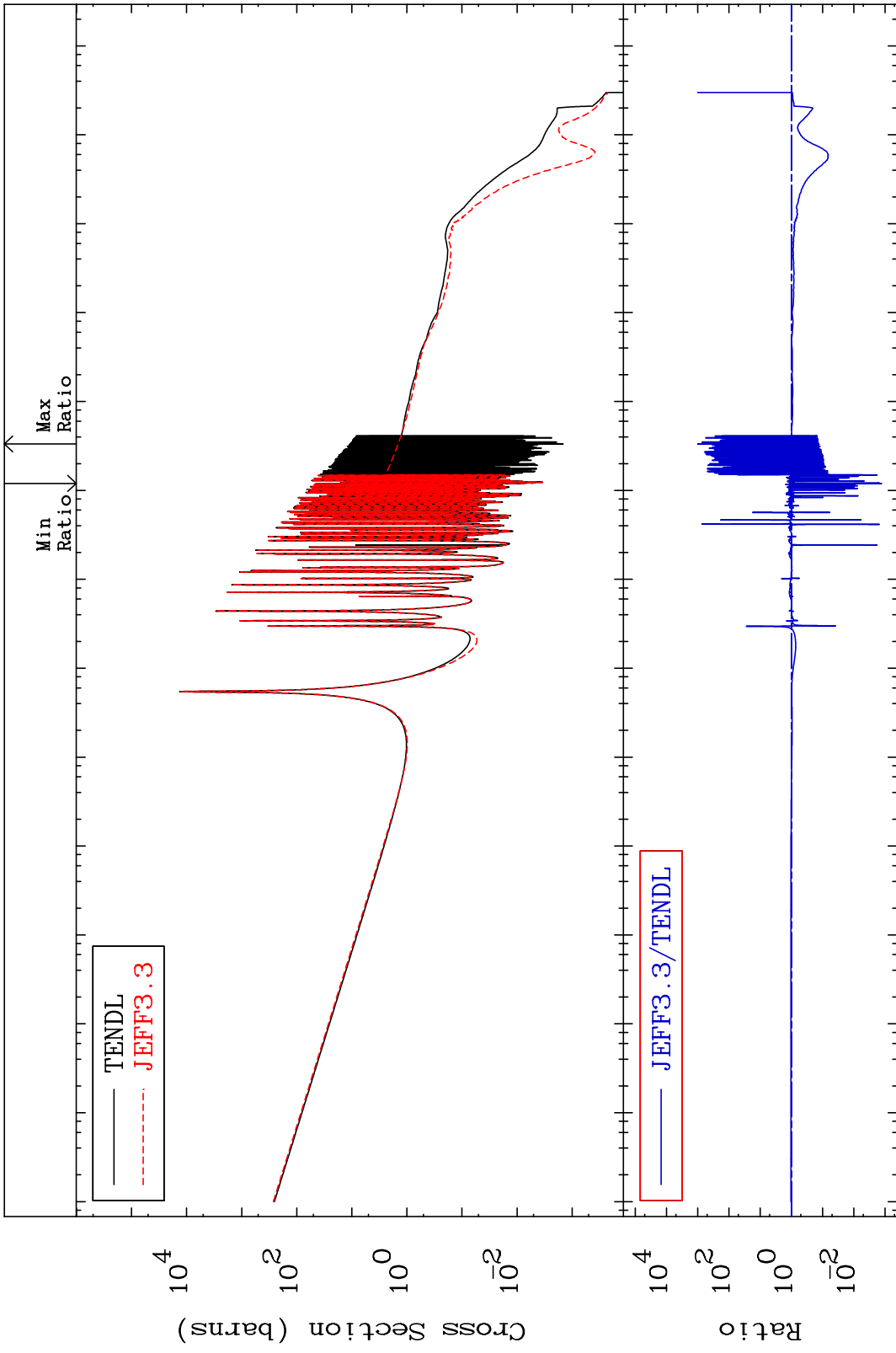
92-U -236
-85.86 To 38.15 %



MAT 9231

(n, γ)
Cross Section

92-U -236
-99.87 To 9999. %



45

Incident Energy (eV)

92-U -236

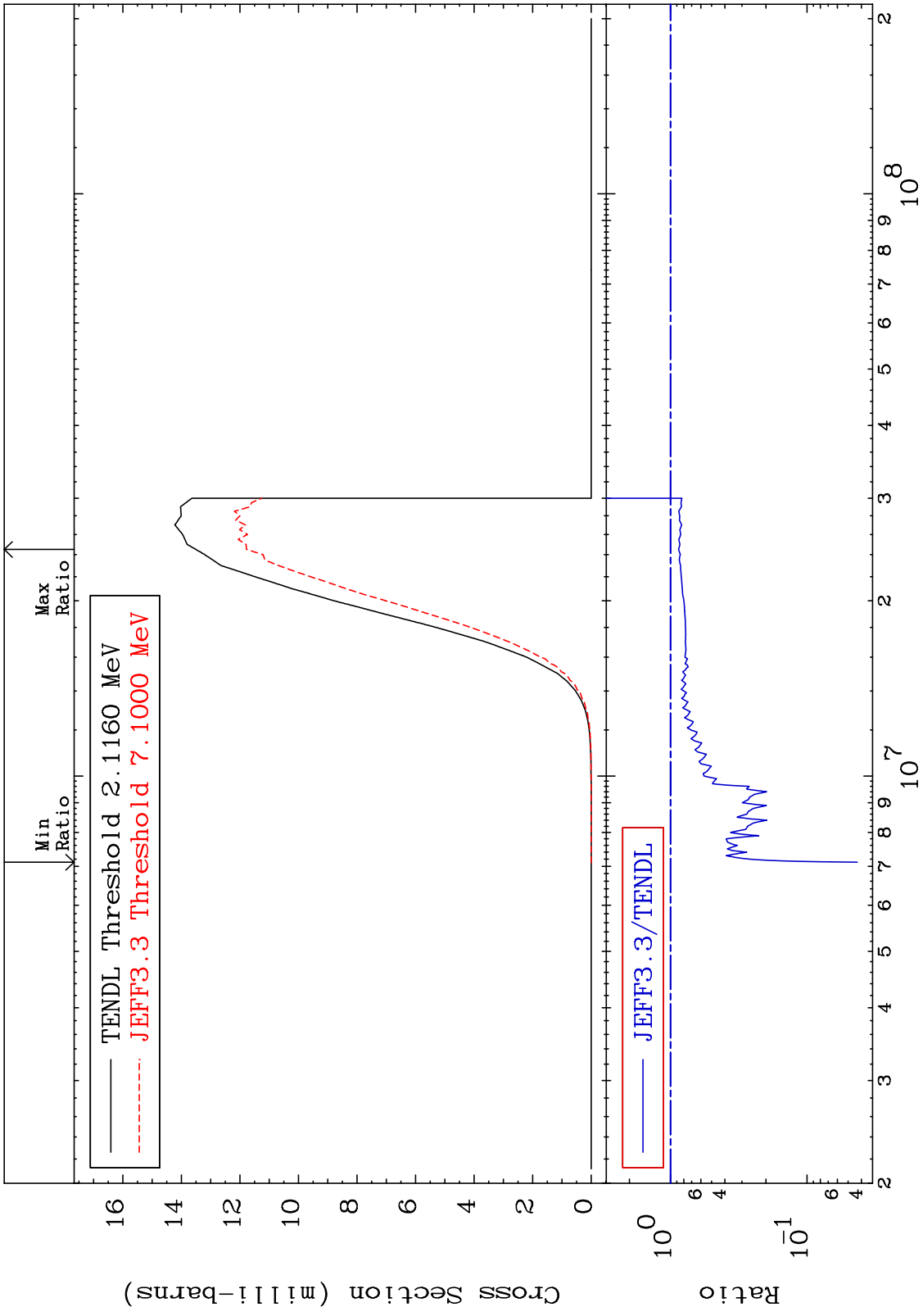
MAT 9231

(n, p)

92-U -236

Cross Section

-95.72 To -12.80%



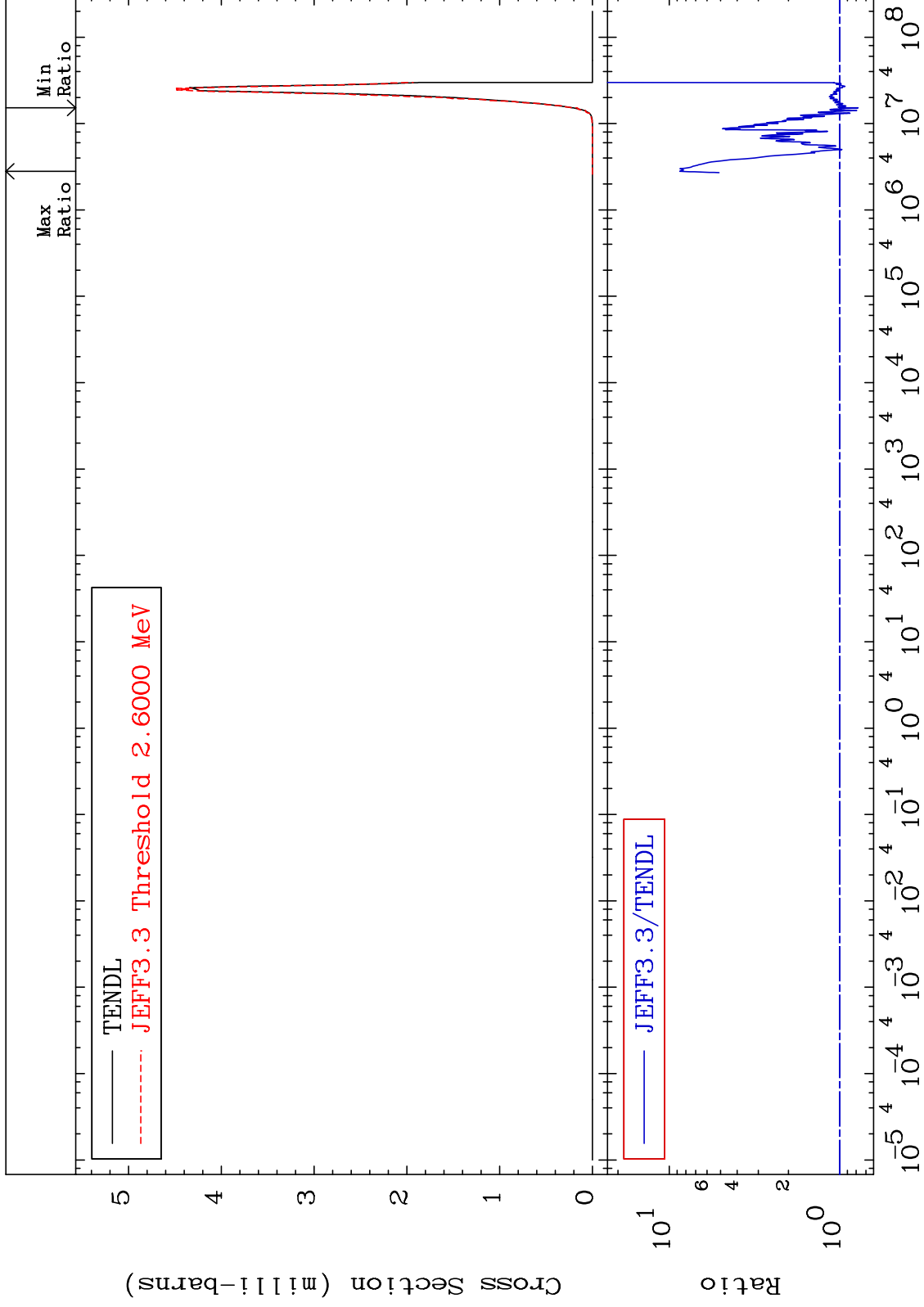
MAT 9231

(n, α)

92-U -236

Cross Section

-22.34 To 767.7 %



47

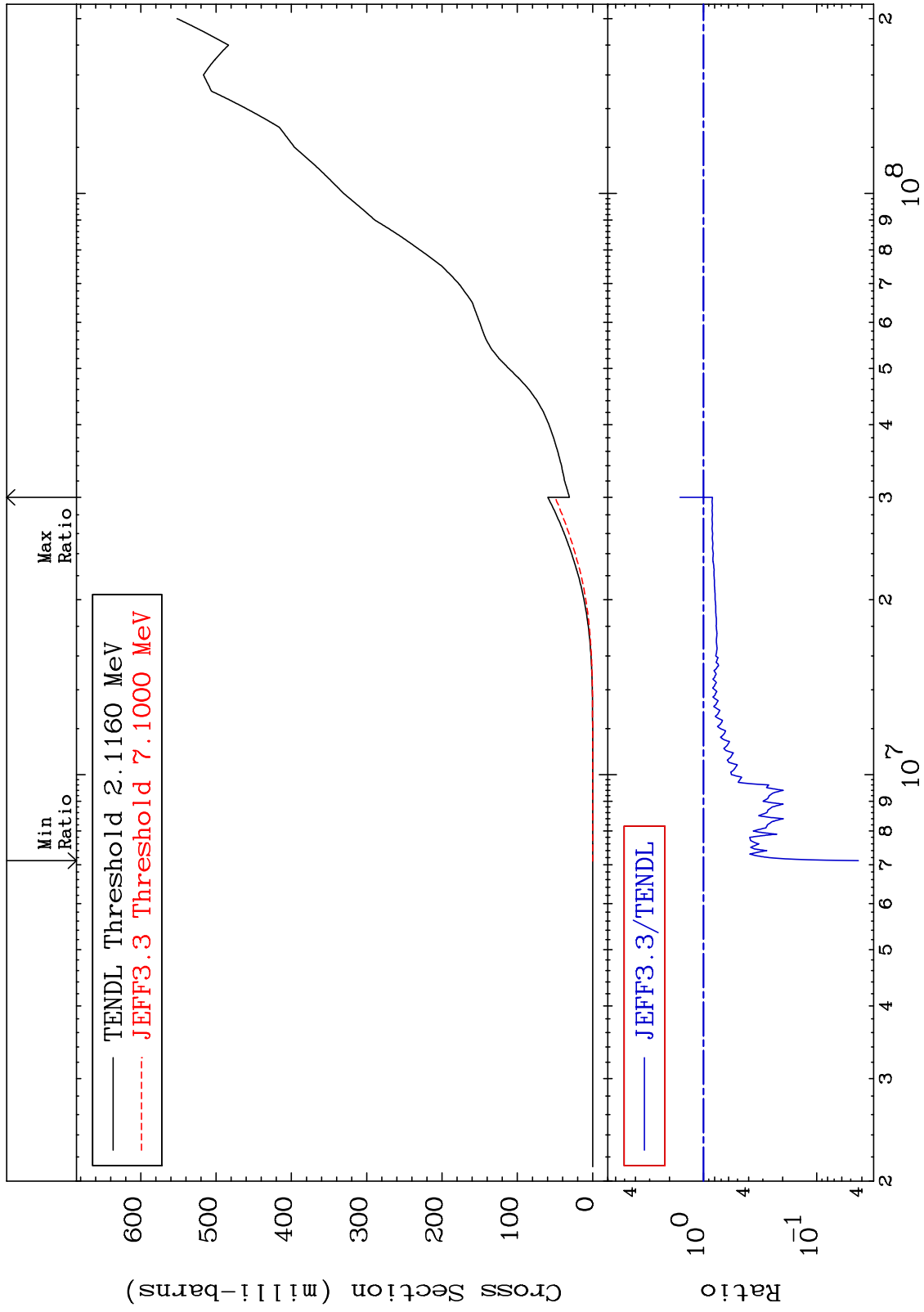
Incident Energy (eV)

92-U -236

MAT 9231

Hydrogen Production
Cross Section

92-U -236
-95.72 To 61.47 %



48

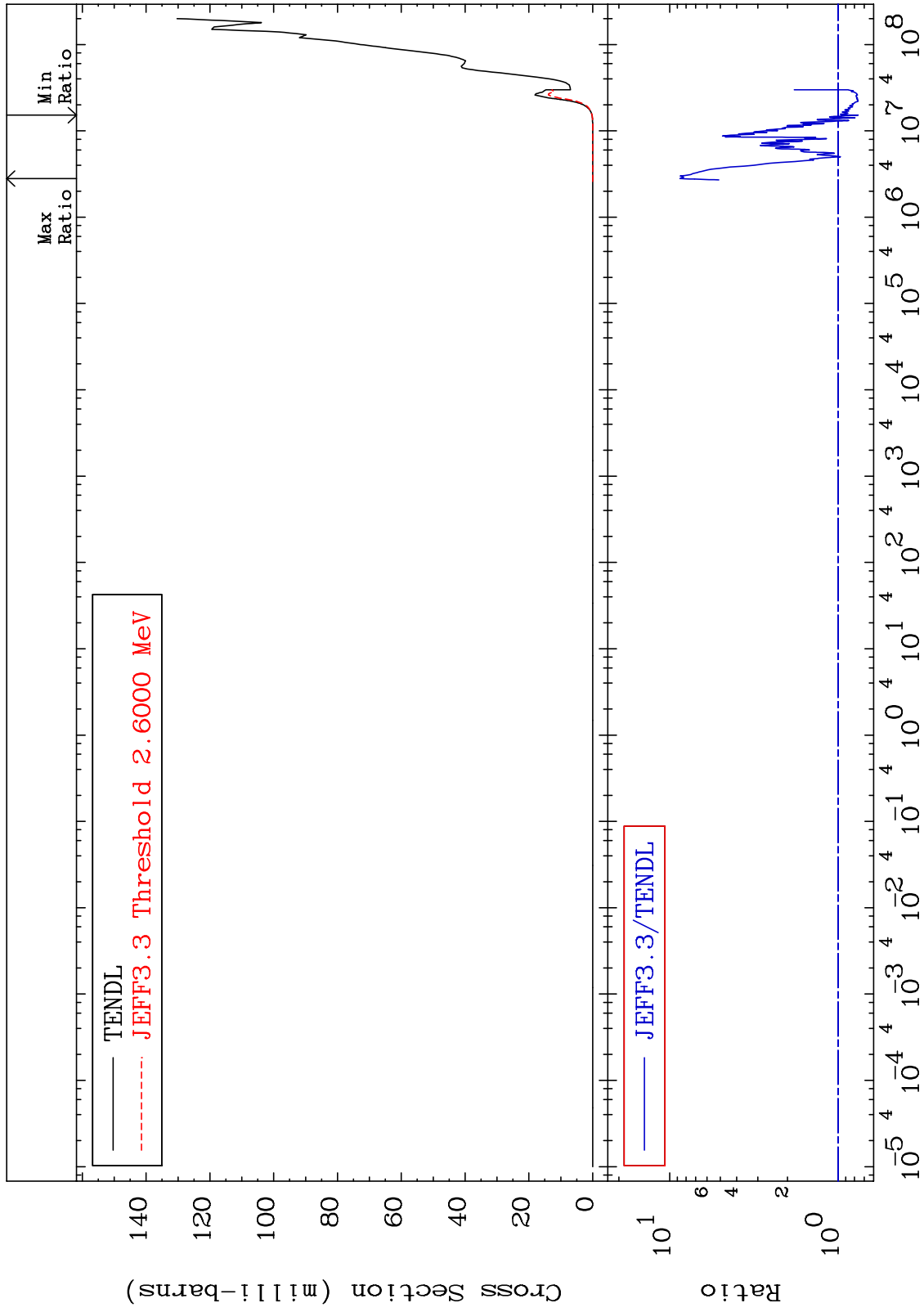
Incident Energy (eV)

92-U -236

MAT 9231

He-4 Production
Cross Section

92-U -236
-24.27 To 767.7 %



49

Incident Energy (eV)

92-U -236

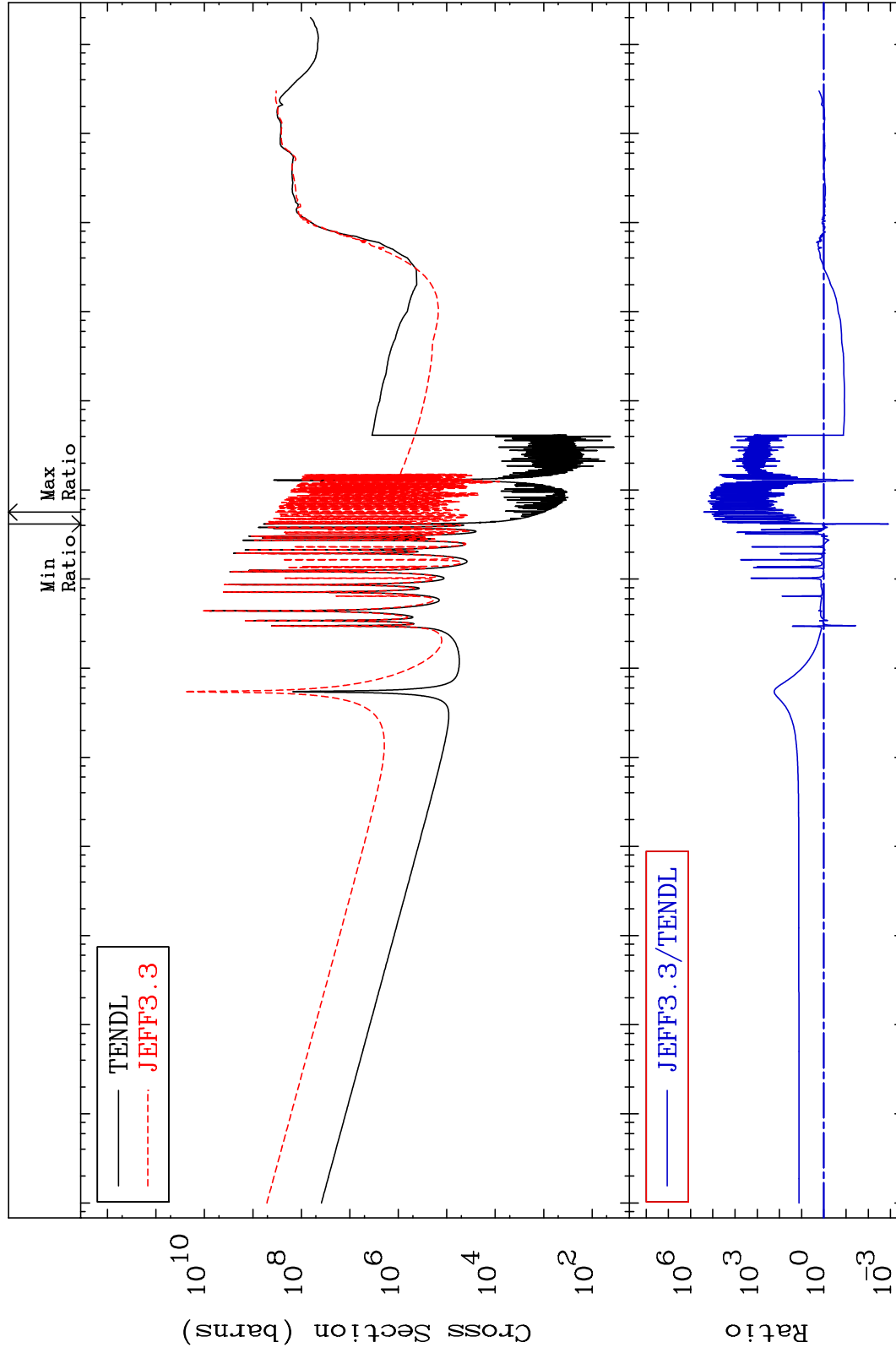
MAT 9231

Kerma total (eV-barns)

92-U -236

-99.87 To 9999. %

Cross Section



— TENDL
- - - JEFF3.3

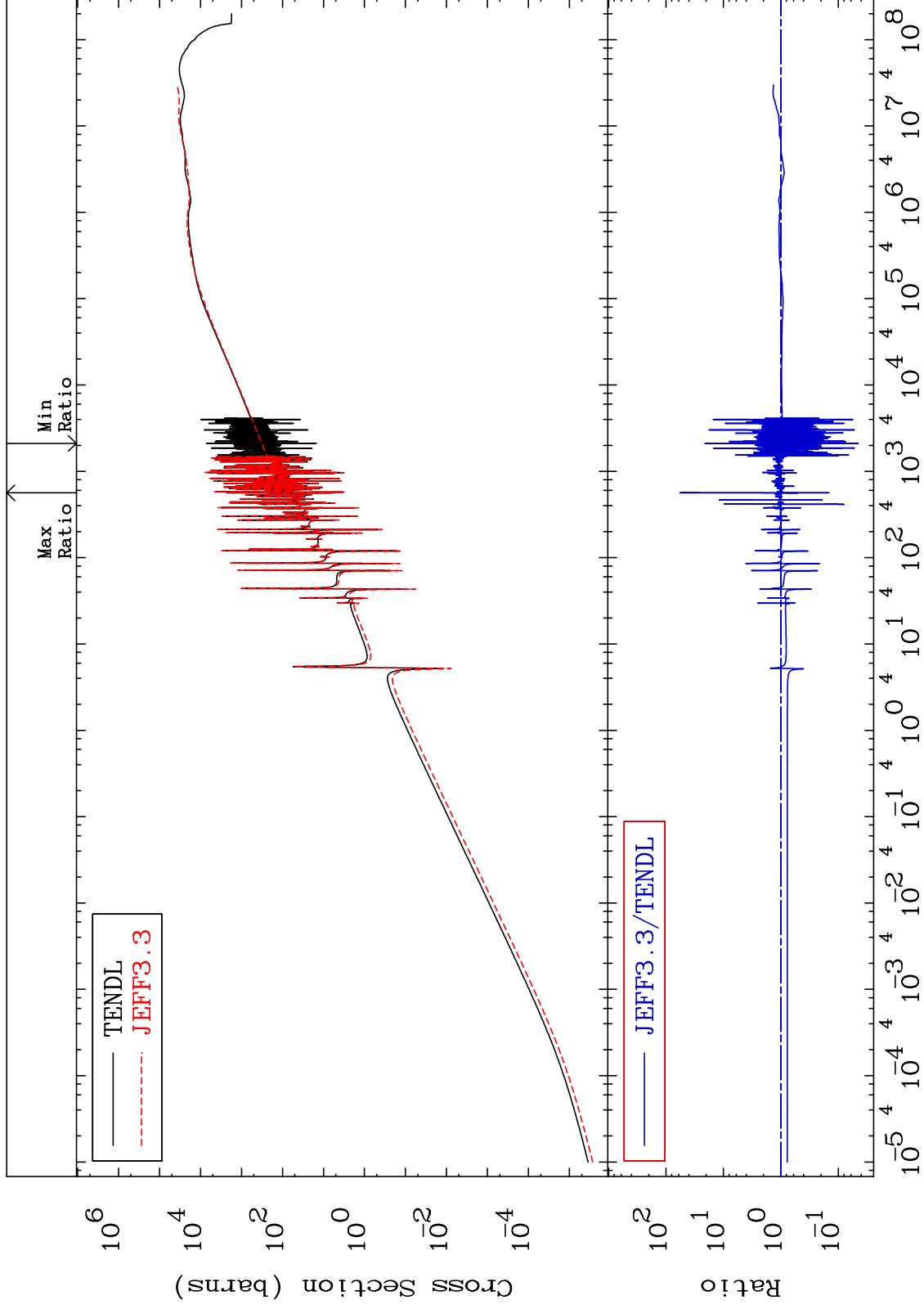
— JEFF3.3/TENDL

Incident Energy (eV) 92-U -236

MAT 9231

Kerma elastic
Cross Section

92-U -236
-95.53 To 5603. %



51

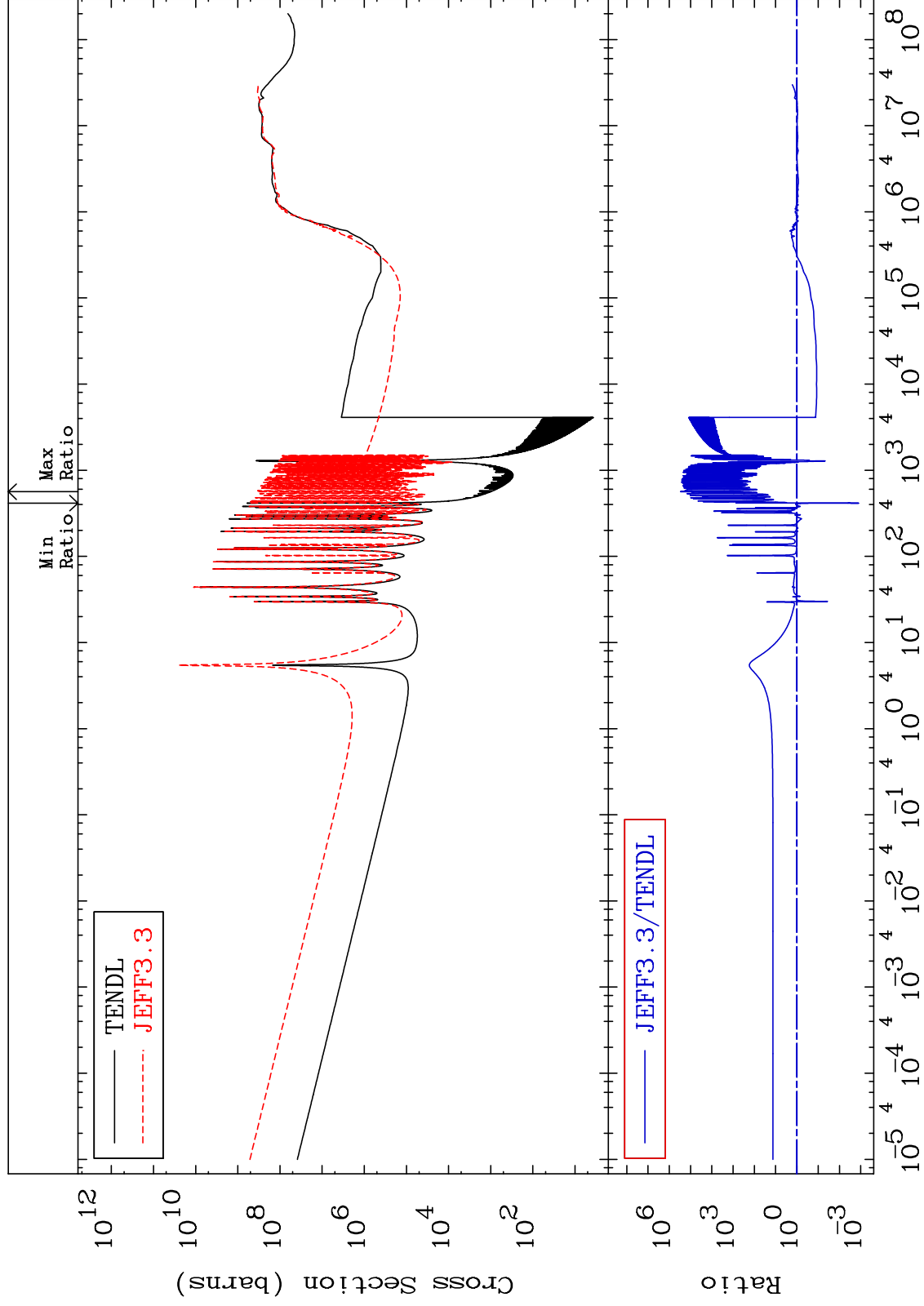
Incident Energy (eV)

92-U -236

MAT 9231

Kerma non-elastic (all but mt2)
Cross Section

92-U -236
-99.87 To 9999. %



52

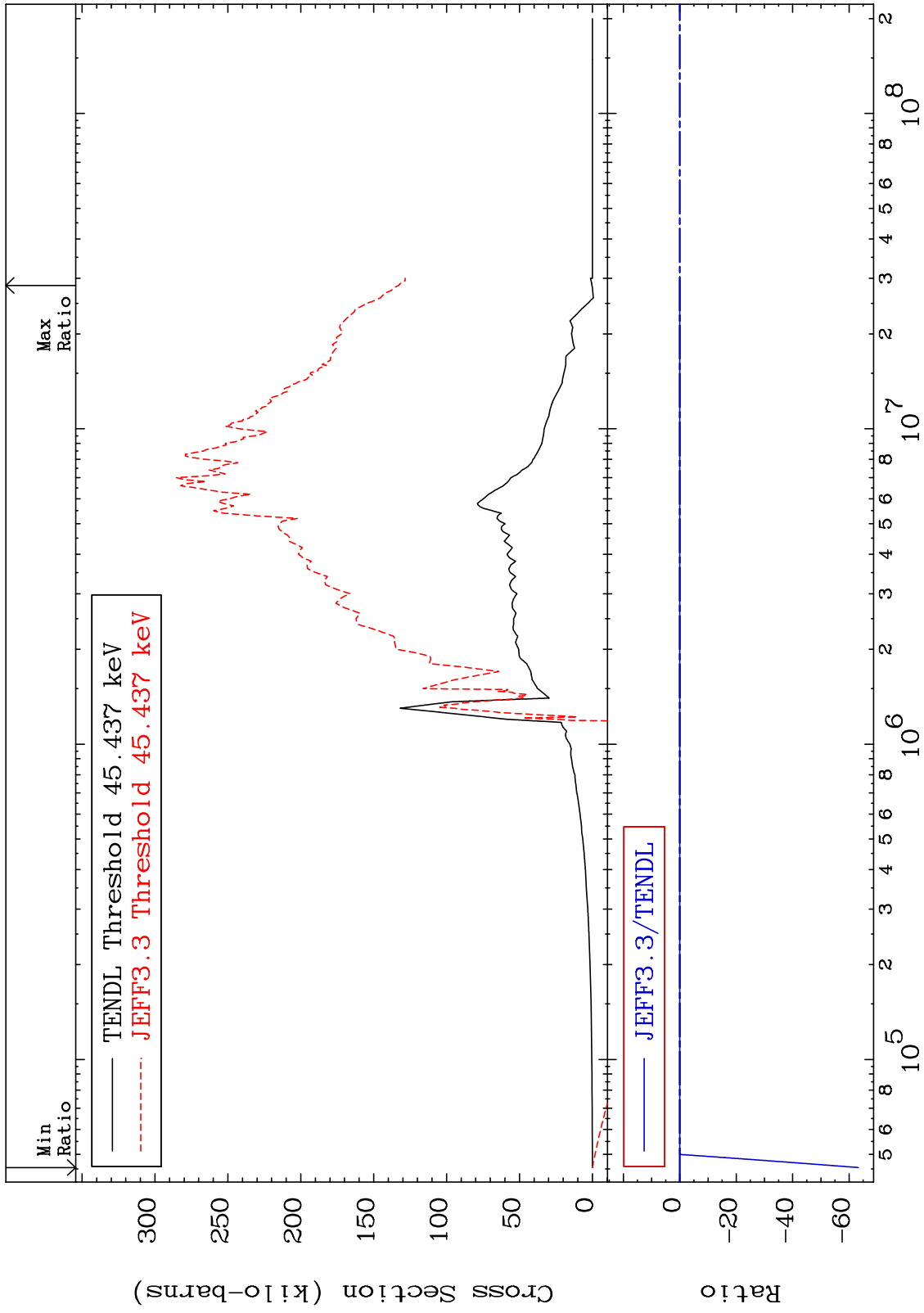
Incident Energy (eV)

92-U -236

MAT 9231

Kerma inelastic (mt51-91)
Cross Section

92-U -236
-9999. To 9999. %



53

92-U -236

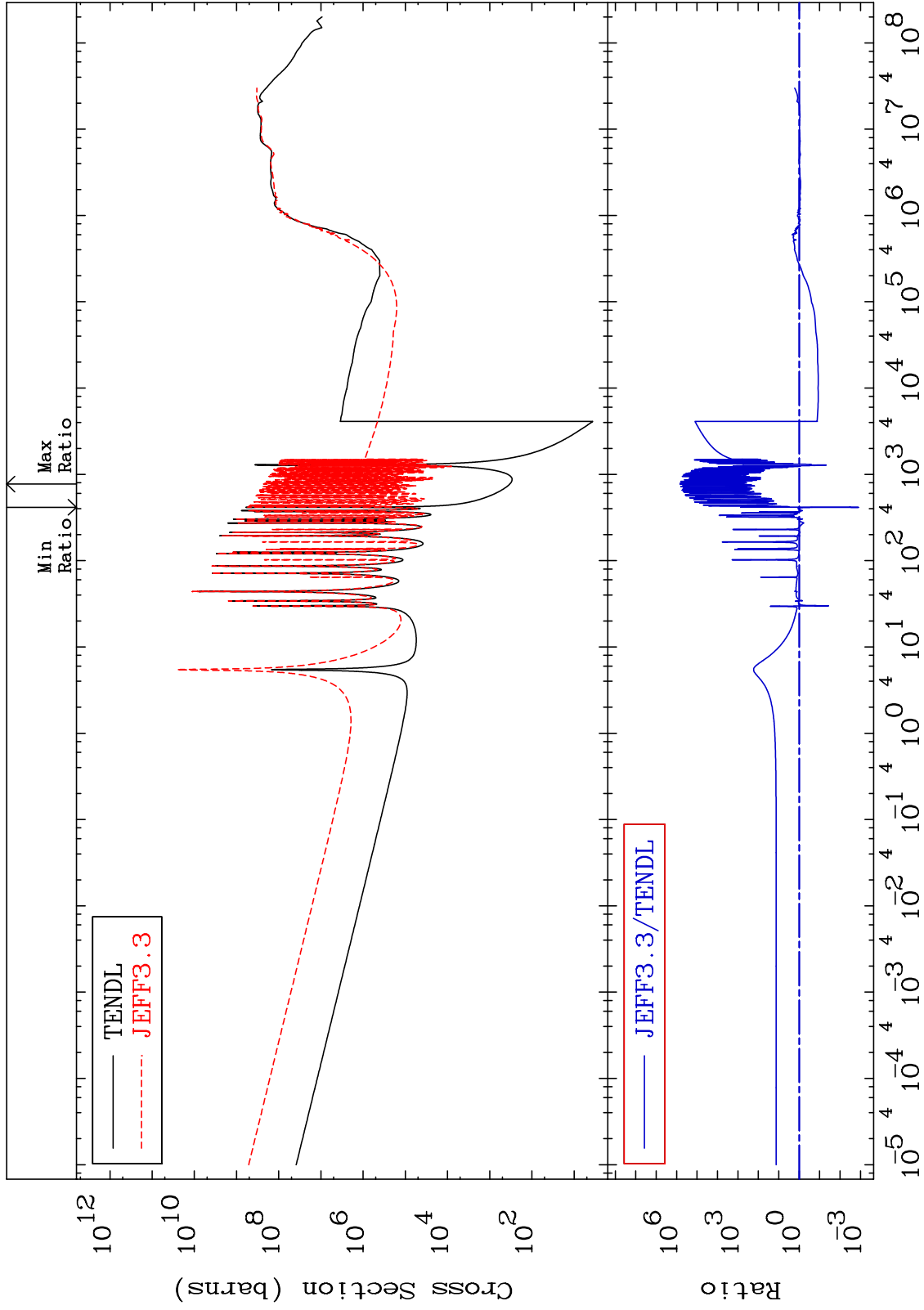
MAT 9231

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

92-U -236

-99.87 To 9999. %

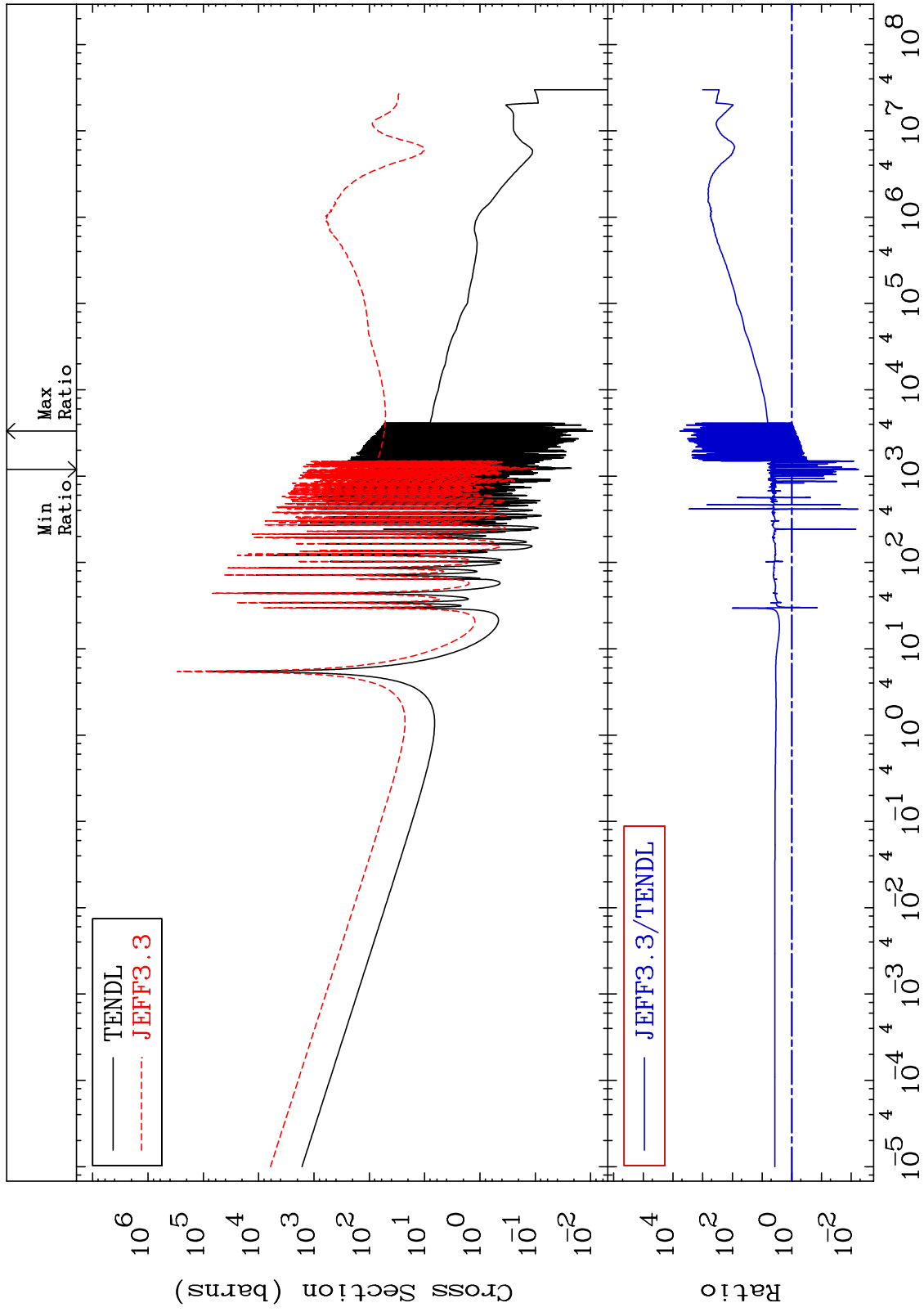
Cross Section



MAT 9231

Kerma capture (mt102)
Cross Section

92-U -236
-99.43 To 9999. %



55

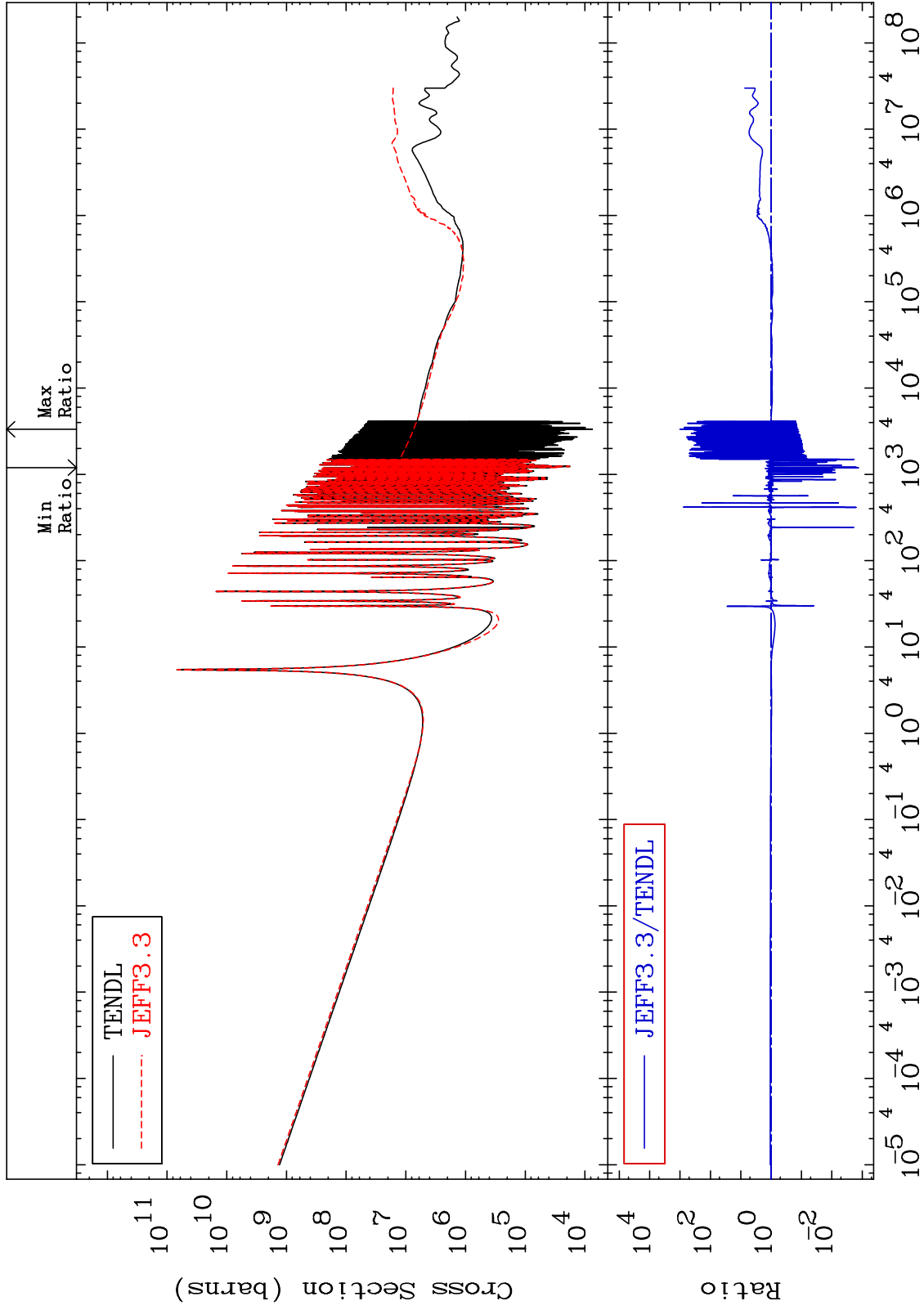
Incident Energy (eV)

92-U -236

MAT 9231

Total photon (eV-barns)
Cross Section

92-U -236
-99.87 To 9999. %



56

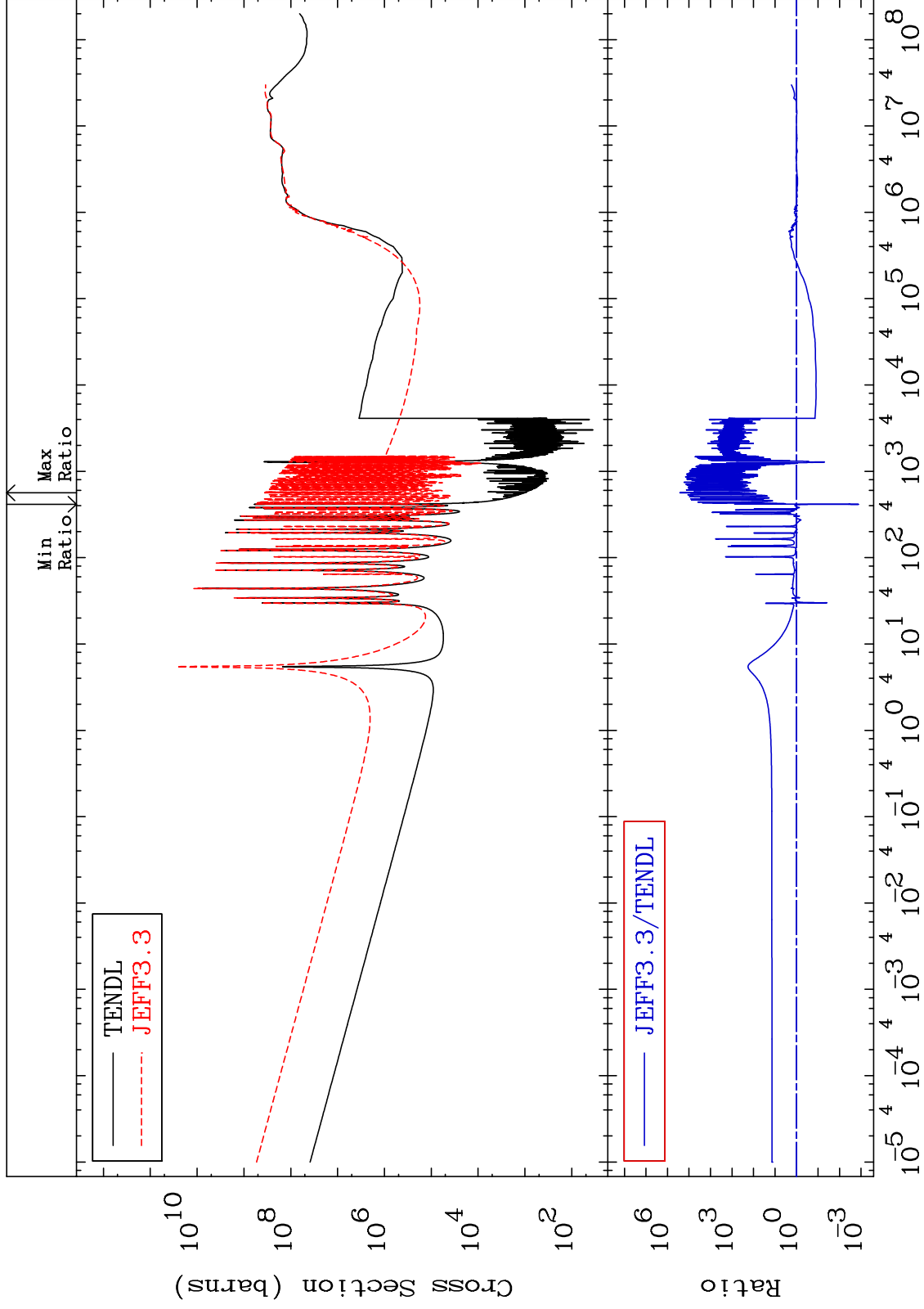
Incident Energy (eV)

92-U -236

MAT 9231

Total kinematic kerma (high limit)
Cross Section

92-U -236
-99.87 To 9999. %



57

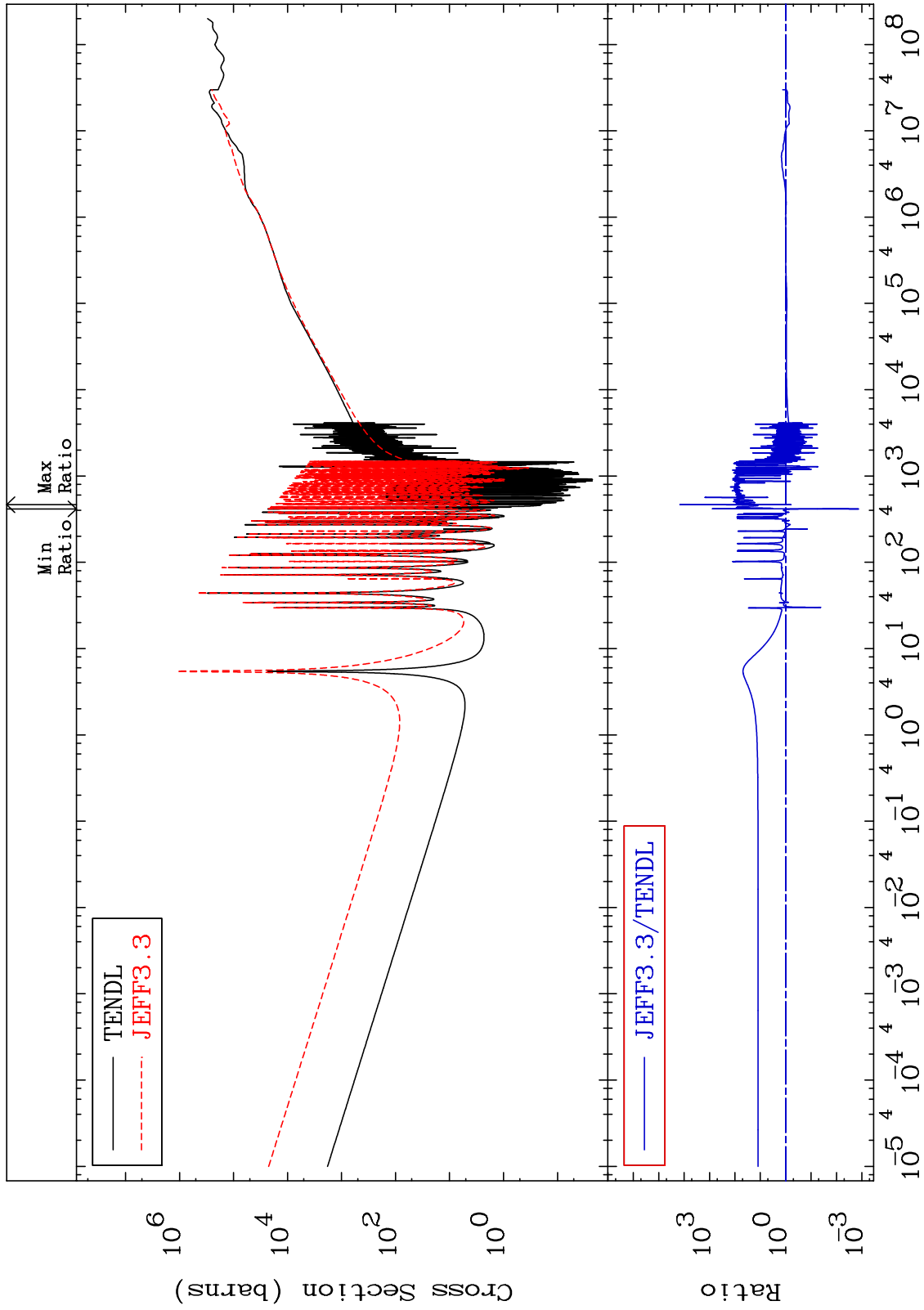
Incident Energy (eV)

92-U -236

MAT 9231

Dpa total (eV-barns)
Cross Section

92-U -236
-99.86 To 9999. %



58

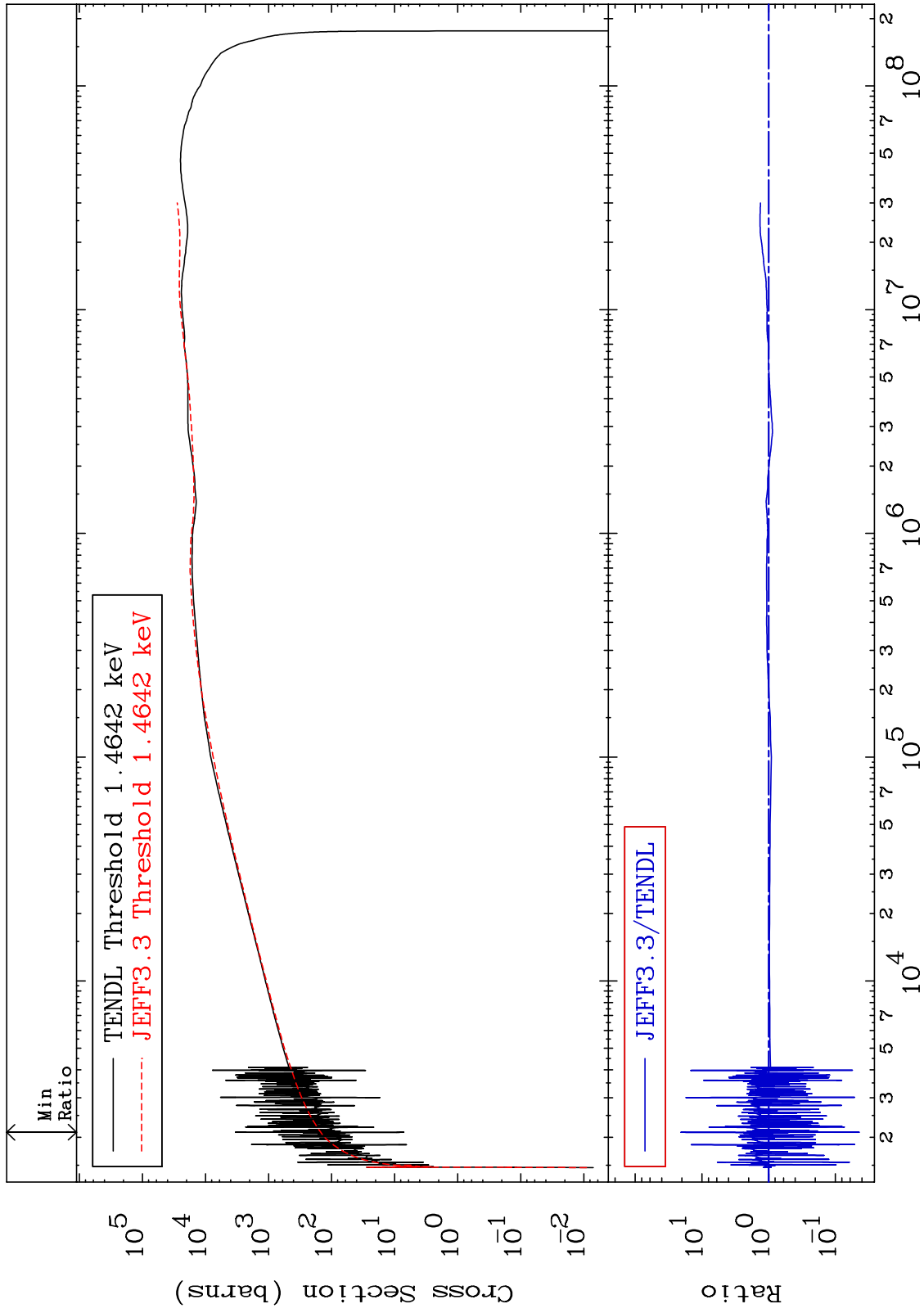
Incident Energy (eV)

92-U -236

MAT 9231

Dpa elastic (mt2)
Cross Section

92-U -236
-95.60 To 1989. %



59

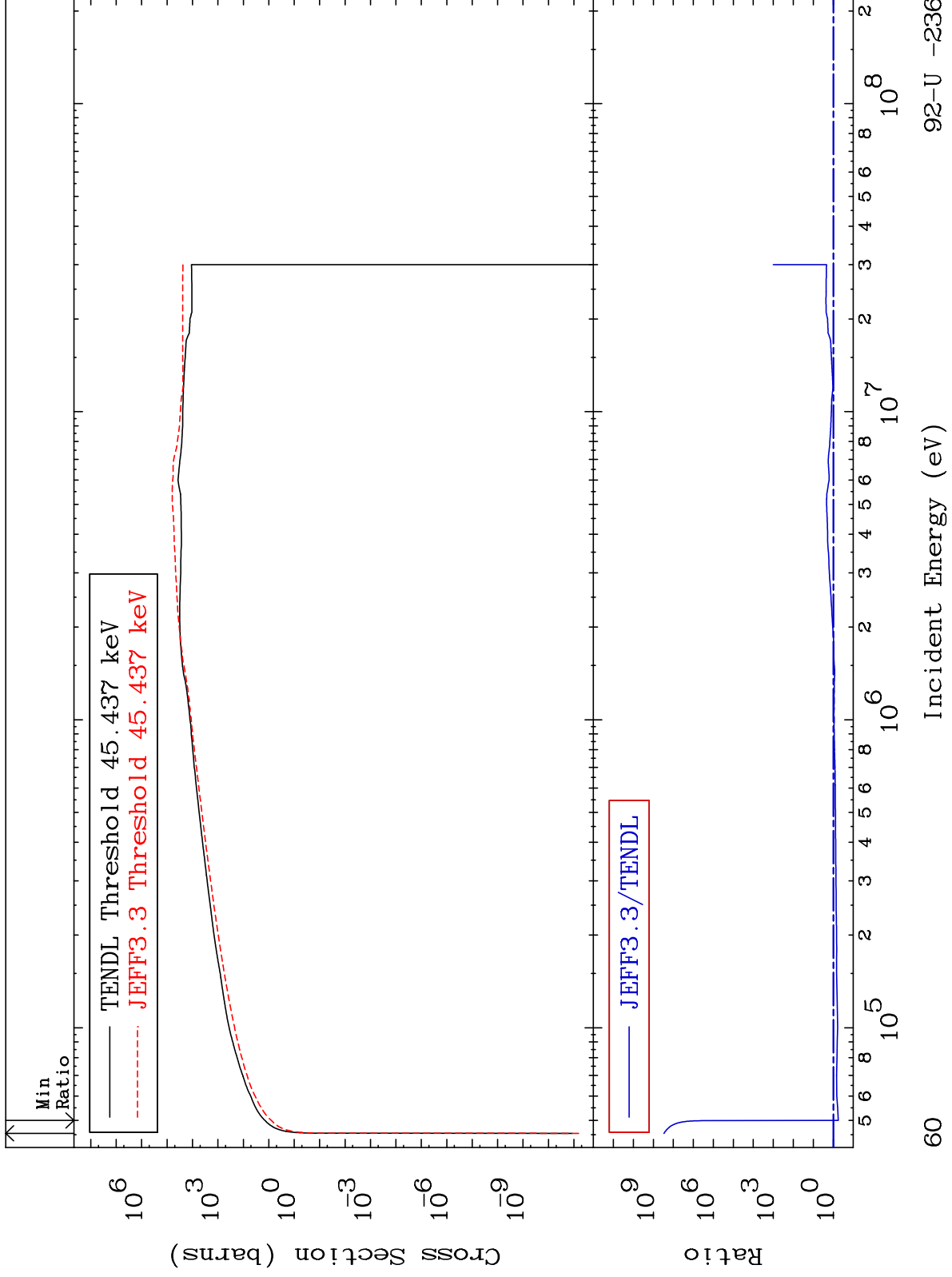
Incident Energy (eV)

92-U -236

MAT 9231

Dpa inelastic (mt51-91)
Cross Section

92-U -236
-44.10 To 9999. %



MAT 9231

Dpa disappearance (mt102 -120)
Cross Section

92-U -236
-99.50 To 9999. %

