

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

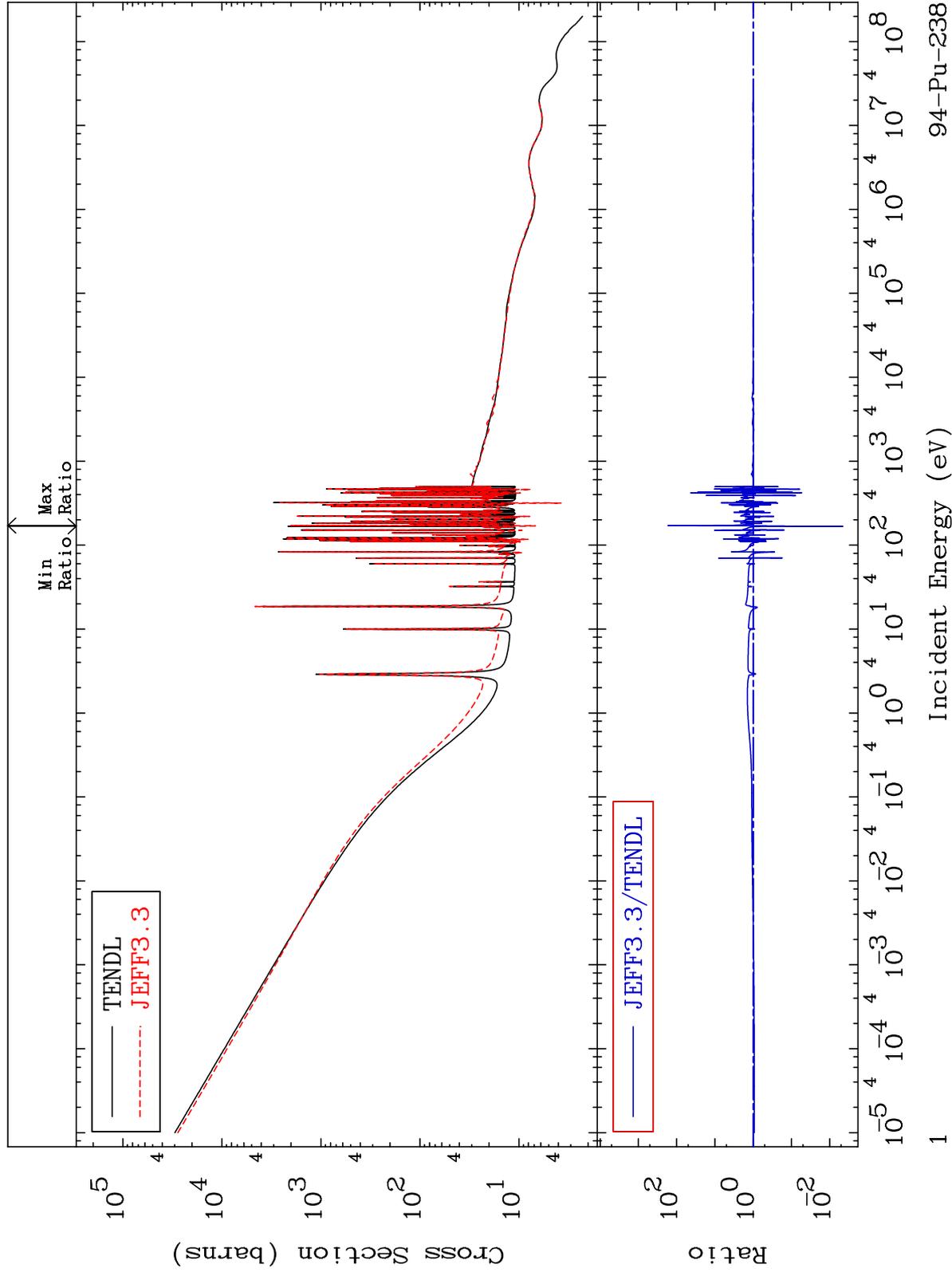
Press Mouse Button to Start

MAT 9434

94-Pu-238

-99.55 To 9999. %

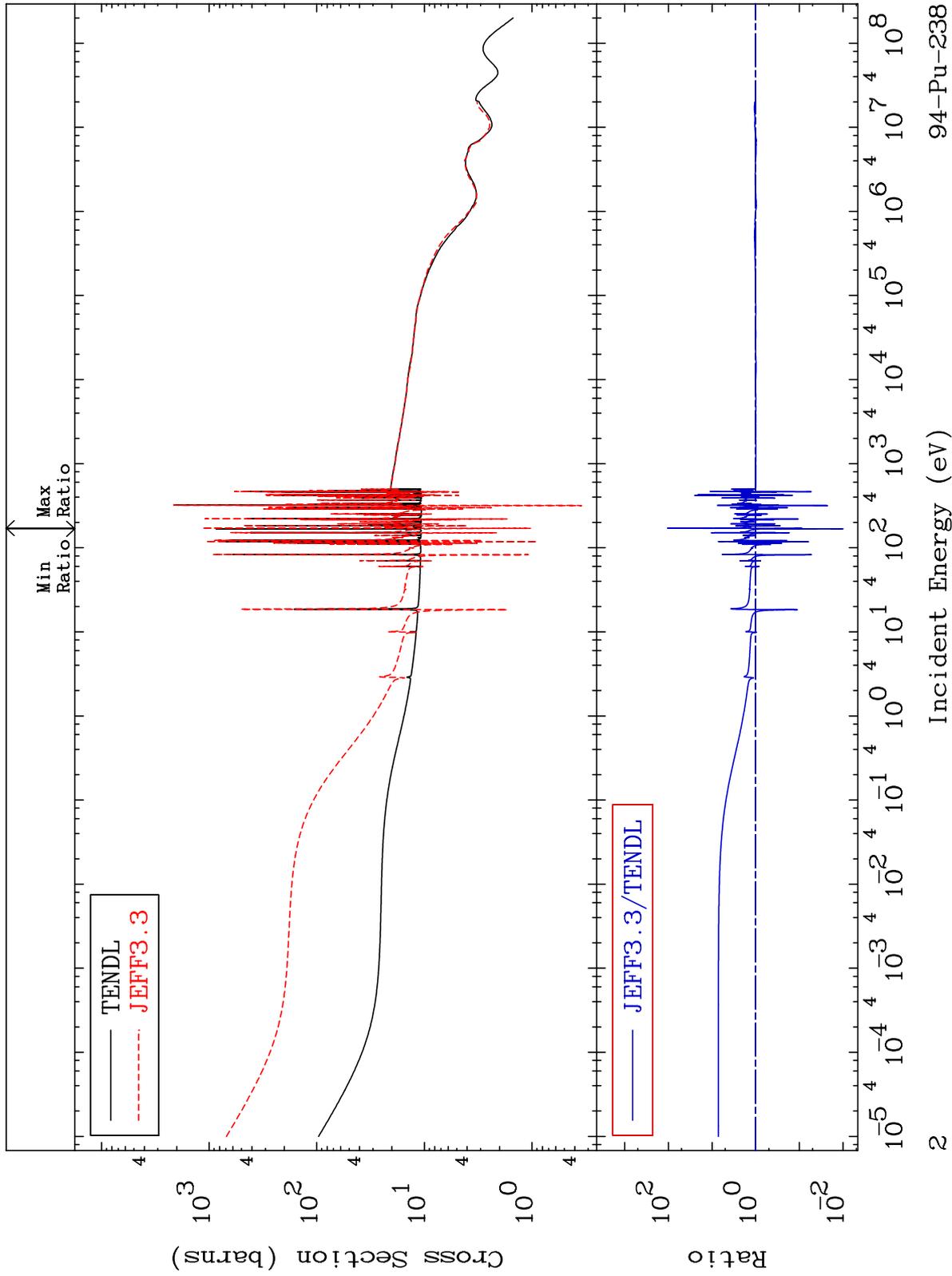
Total
Cross Section



94-Pu-238

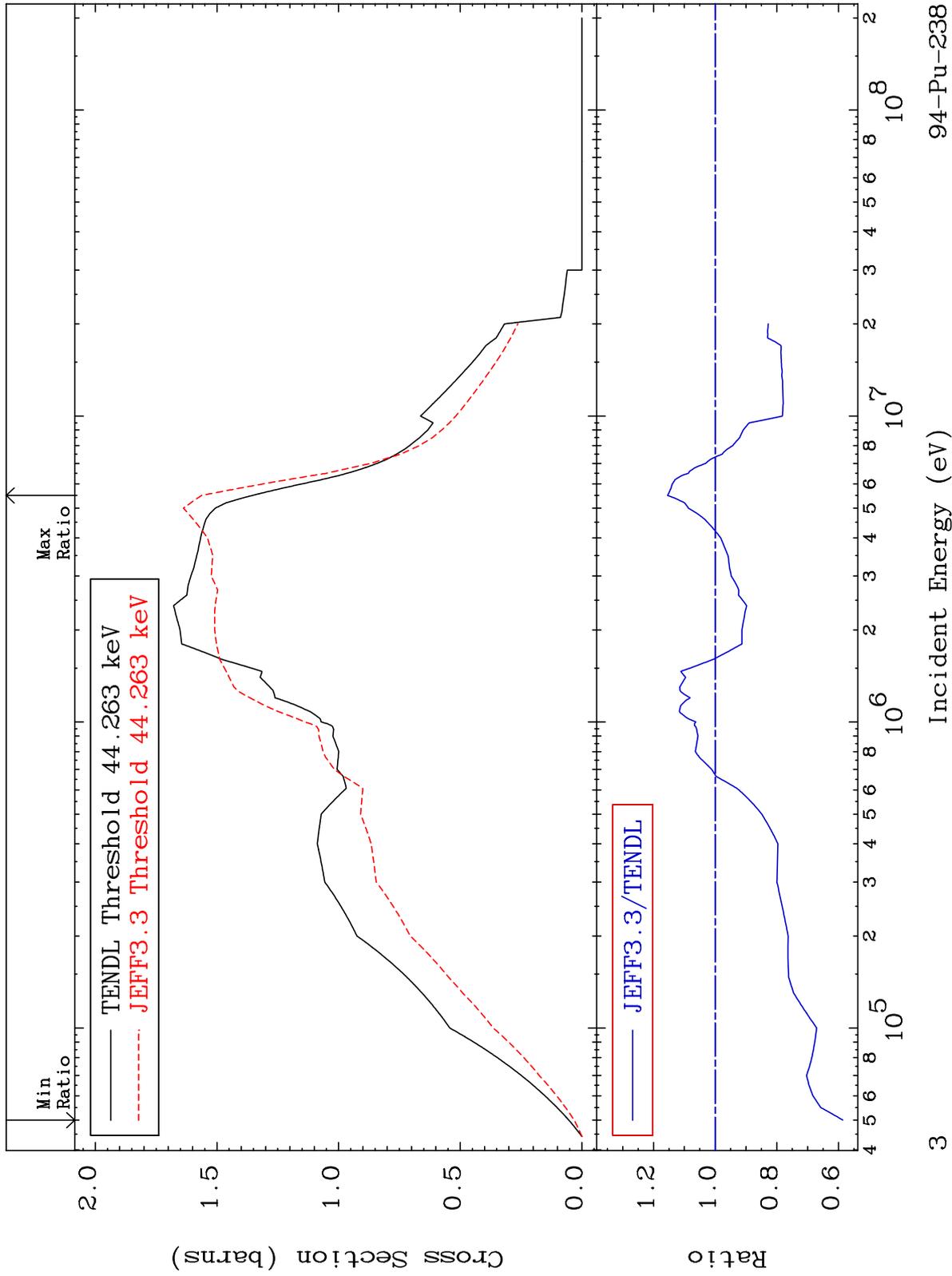
MAT 9434

Elastic Cross Section
94-Pu-238
-98.99 To 9999. %



94-Pu-238

MAT 9434 Inelastic Cross Section 94-Pu-238 -41.40 To 15.43 %



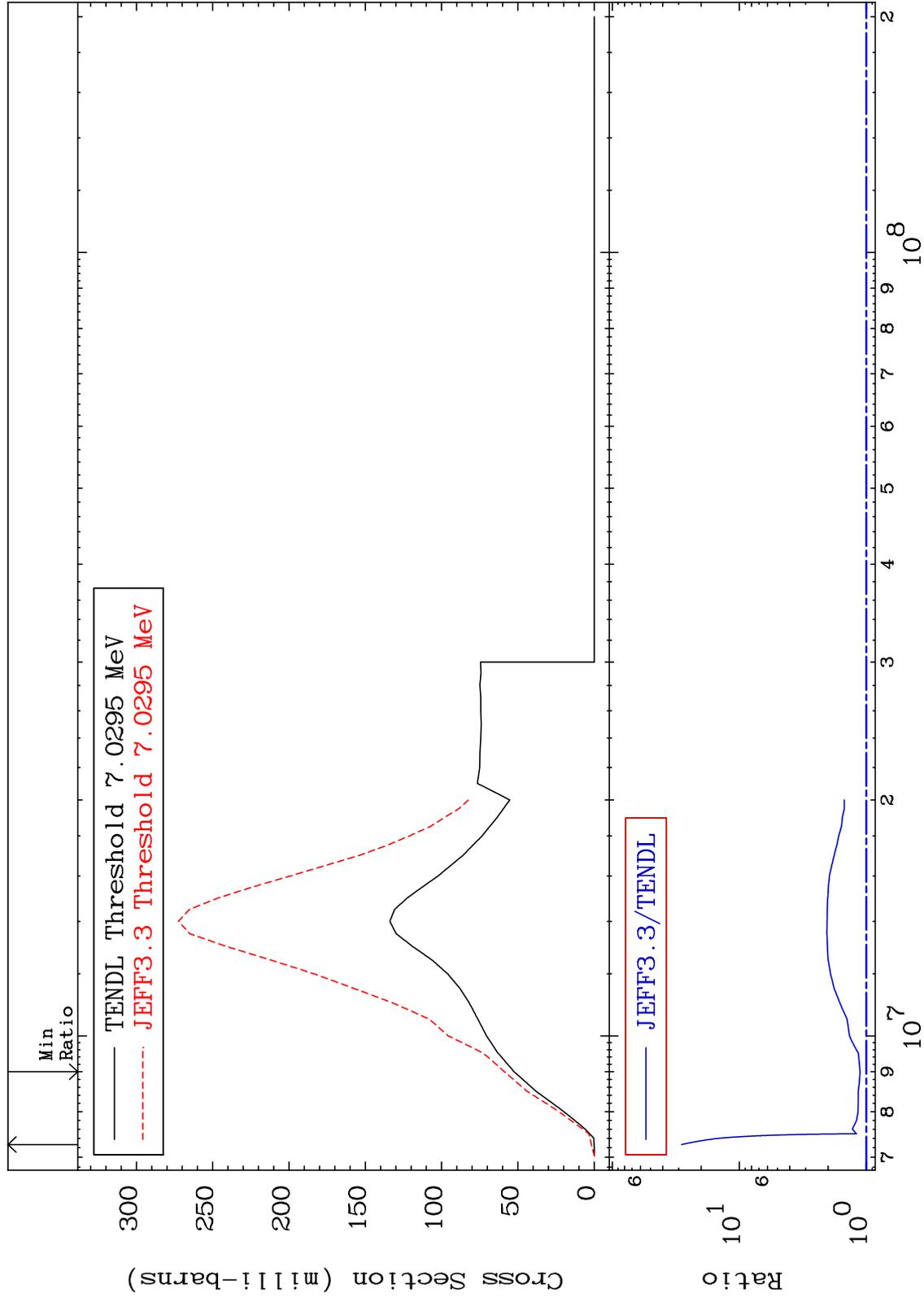
MAT 9434

(n,2n)

94-Pu-238

Cross Section

12.02 To 2748. %



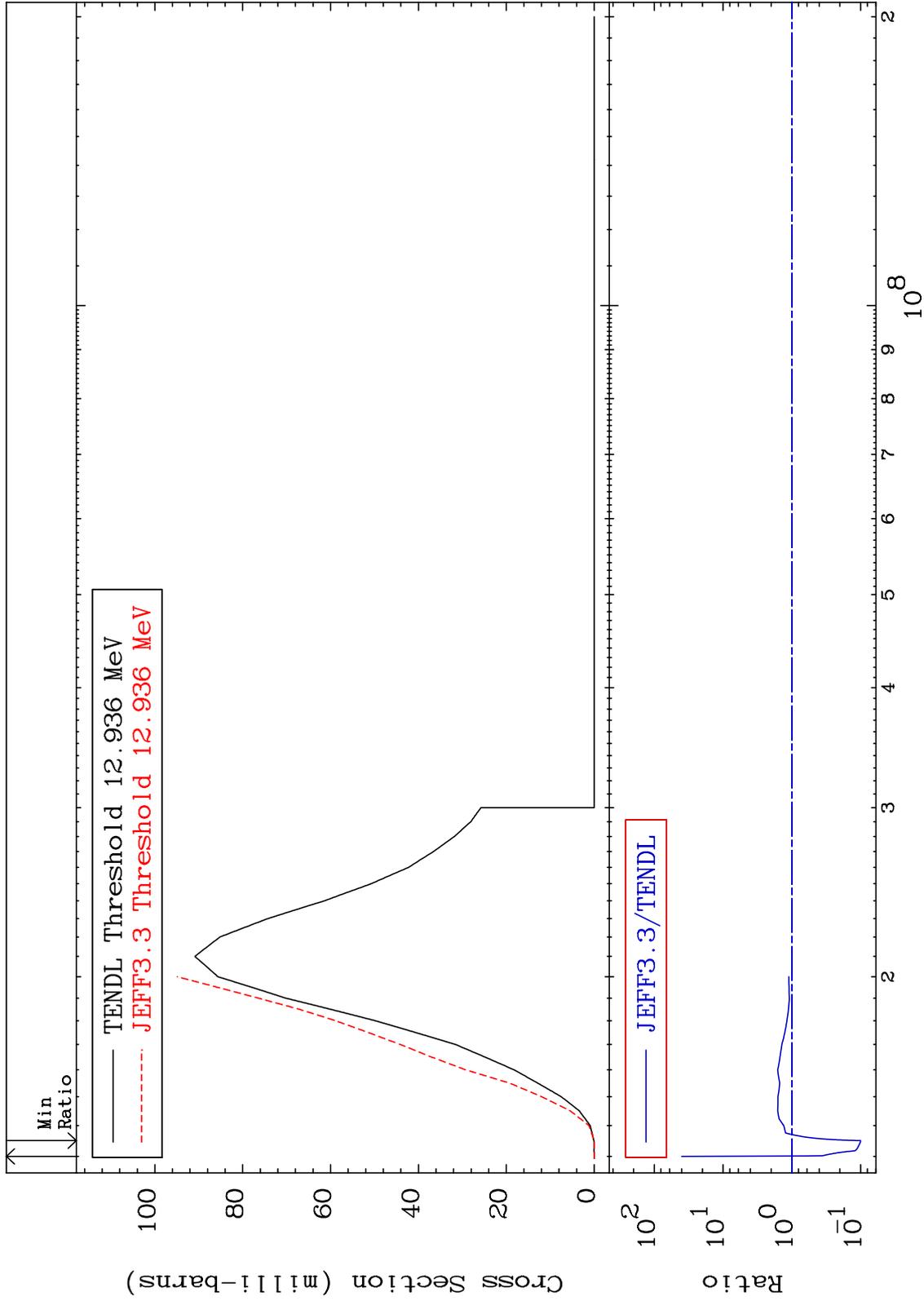
MAT 9434

(n, 3n)

94-Pu-238

Cross Section

-90.01 To 3892. %



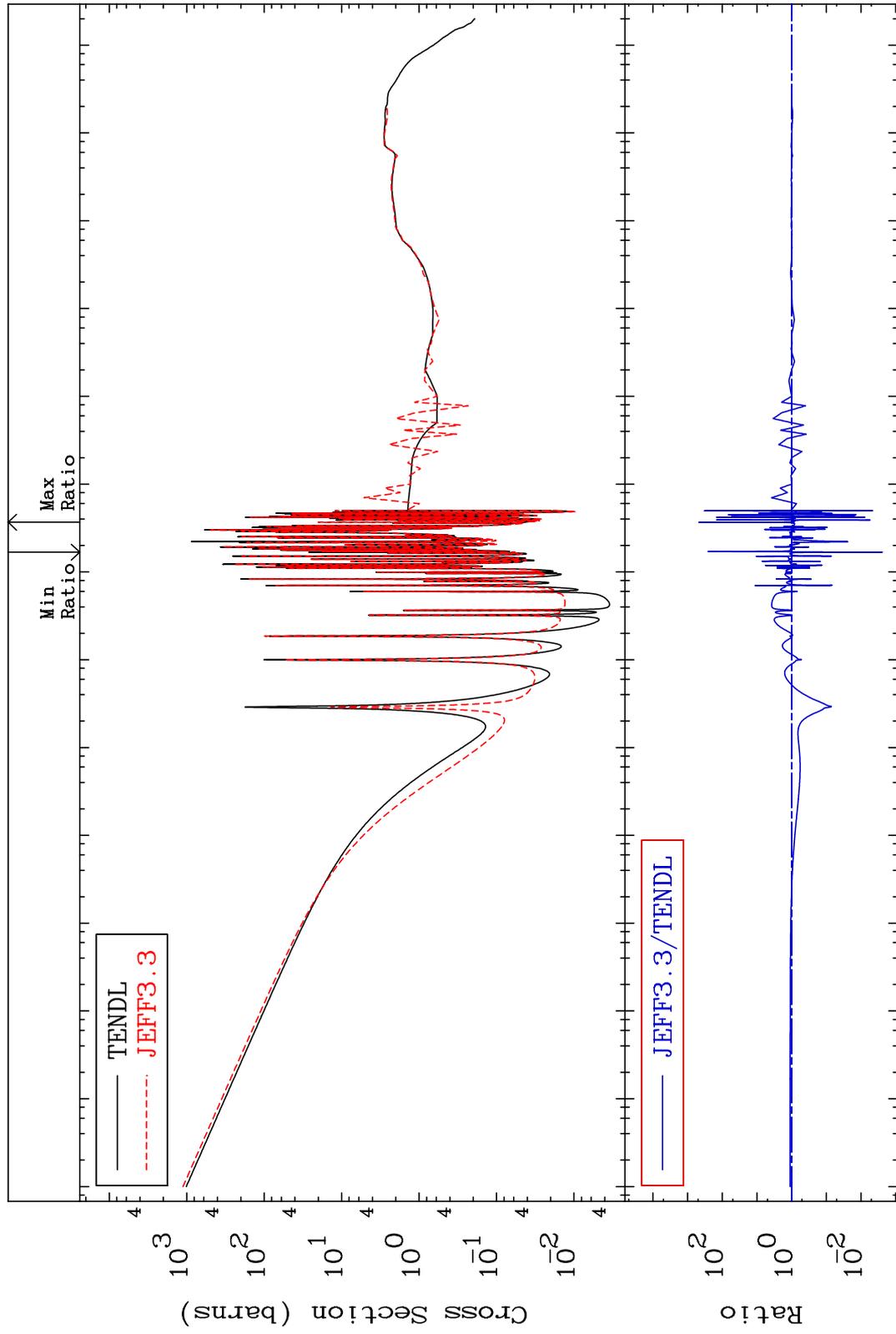
MAT 9434

Fission

94-Pu-238

-99.75 To 9999. %

Cross Section



6

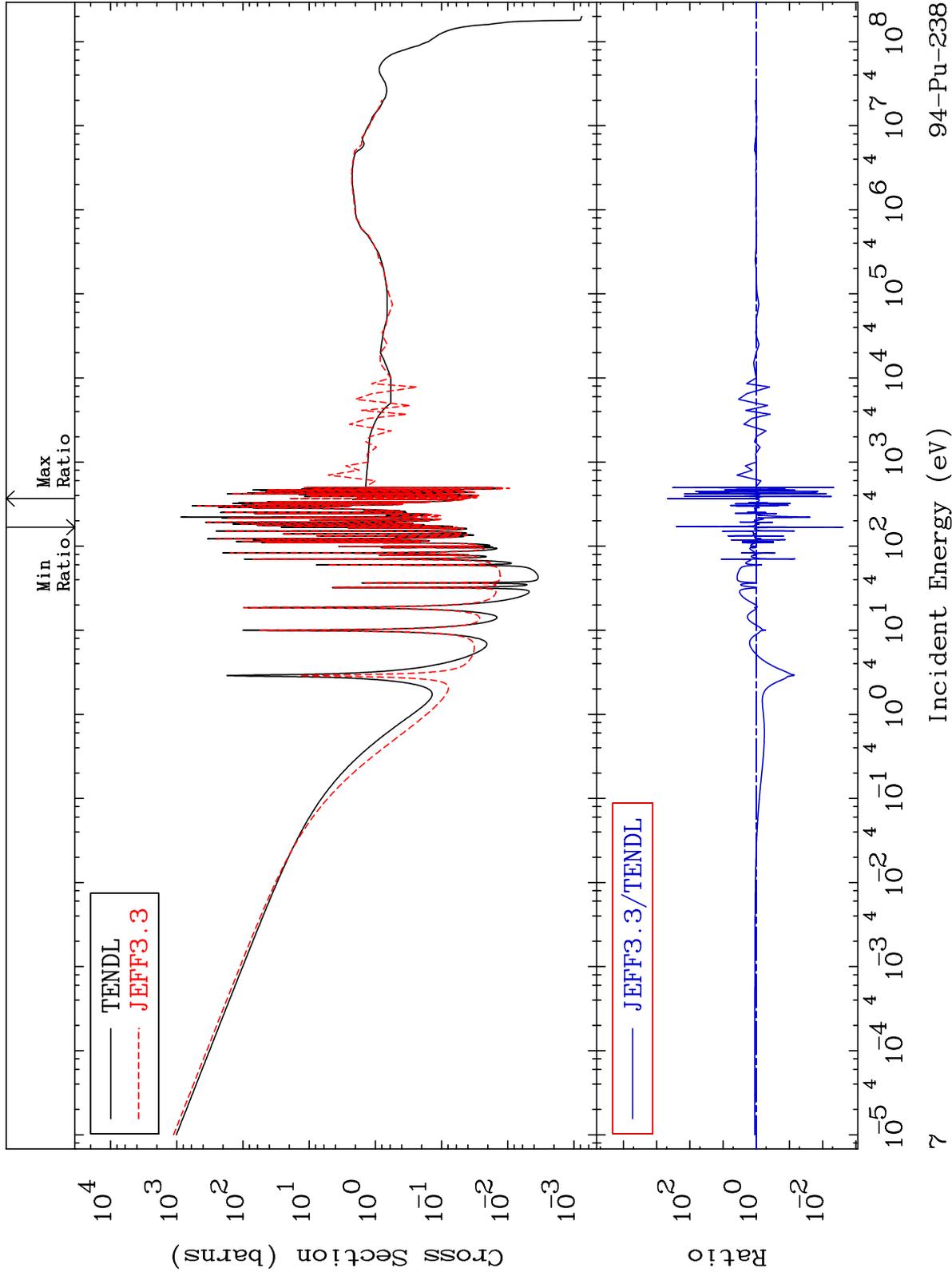
Incident Energy (eV)

94-Pu-238

MAT 9434

(n,f) First Chance
Cross Section

94-Pu-238
-99.75 To 9999. %



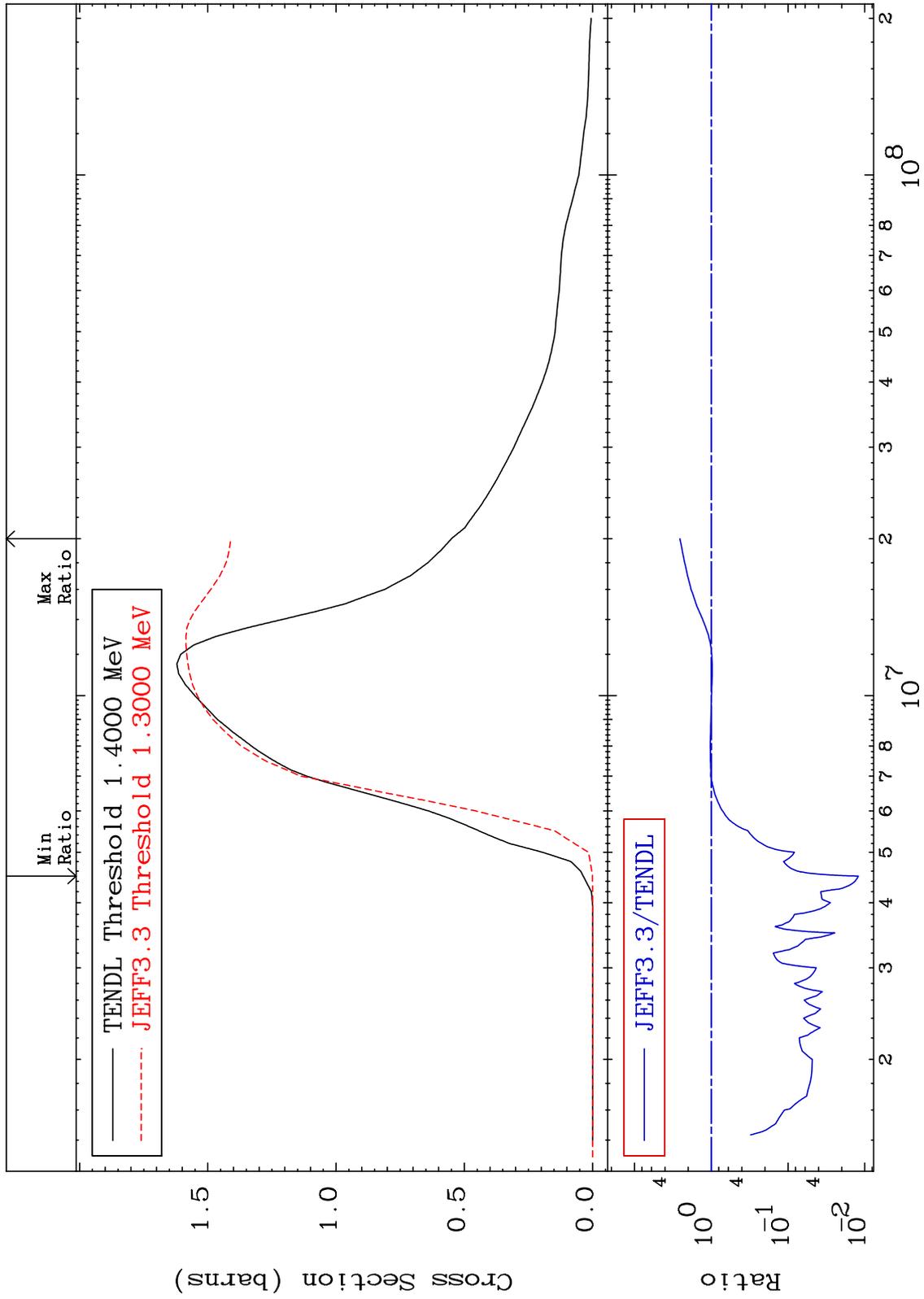
94-Pu-238

Incident Energy (eV)

MAT 9434

(n, nf) Second Chance
Cross Section

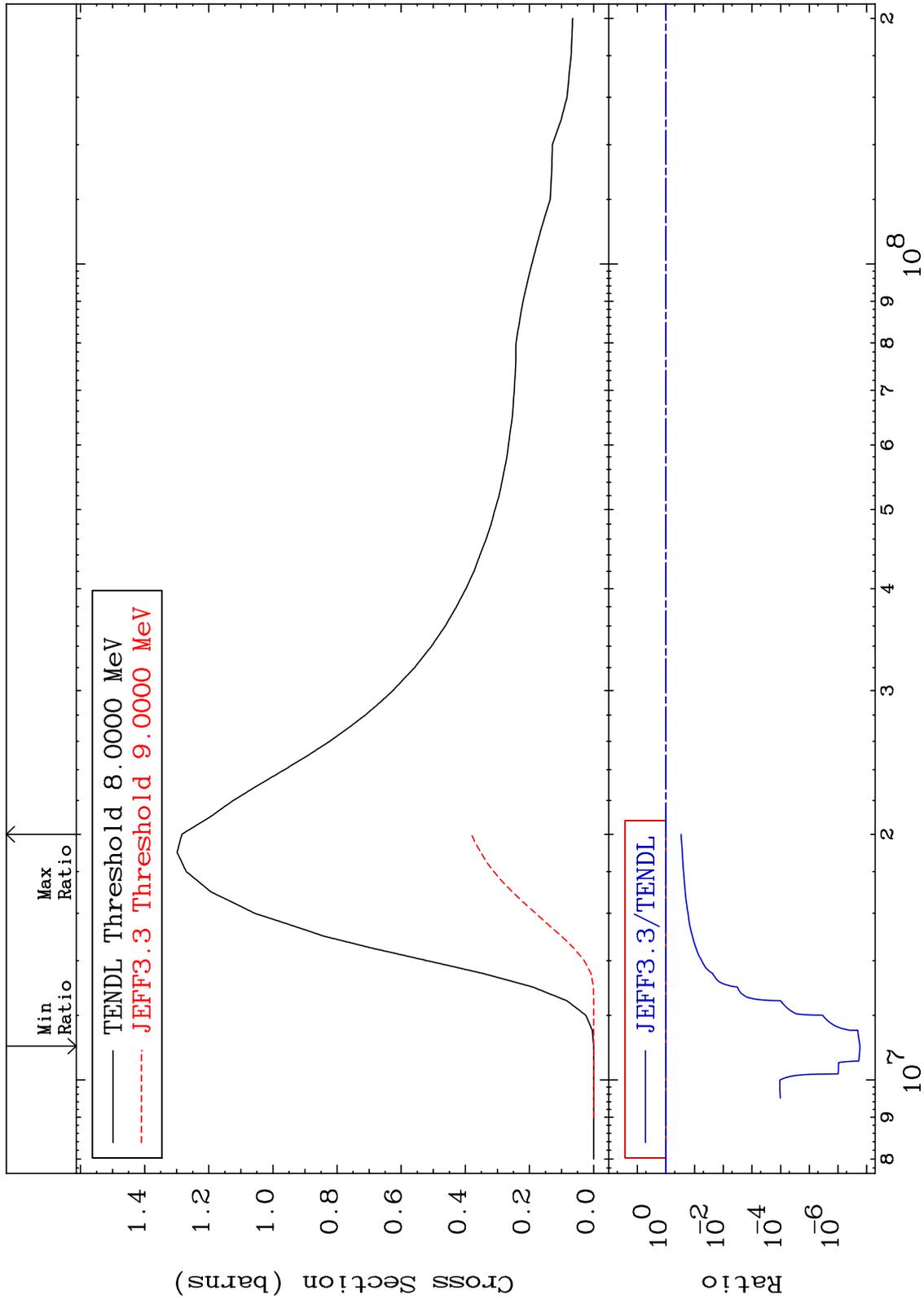
94-Pu-238
-98.79 To 156.2 %



MAT 9434

(n,2nf) Third Chance
Cross Section

94-Pu-238
-100.0 To -70.33%



9

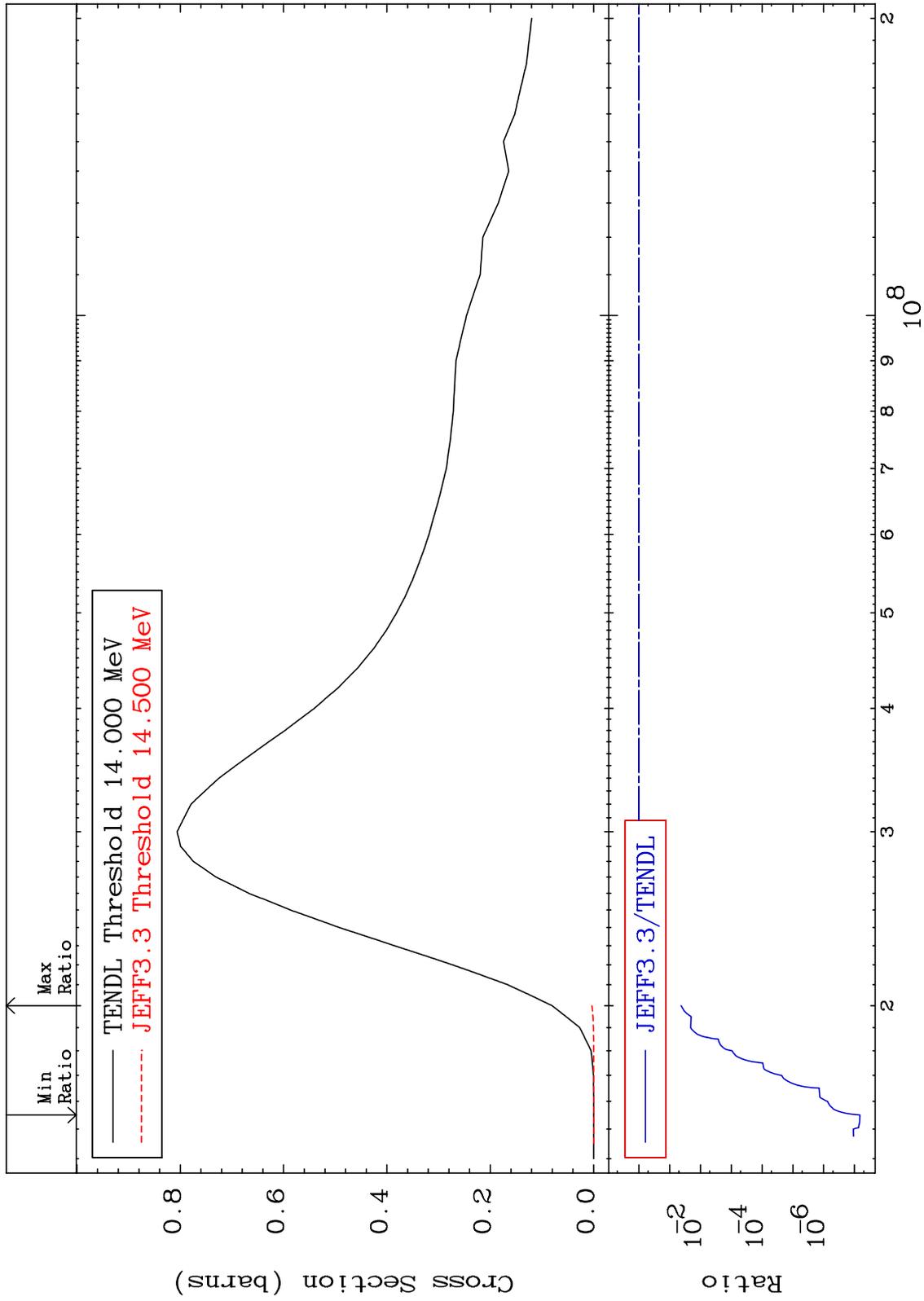
Incident Energy (eV)

94-Pu-238

MAT 9434

(n,3nf) Fourth Chance
Cross Section

94-Pu-238
-100.0 To -95.76%



10

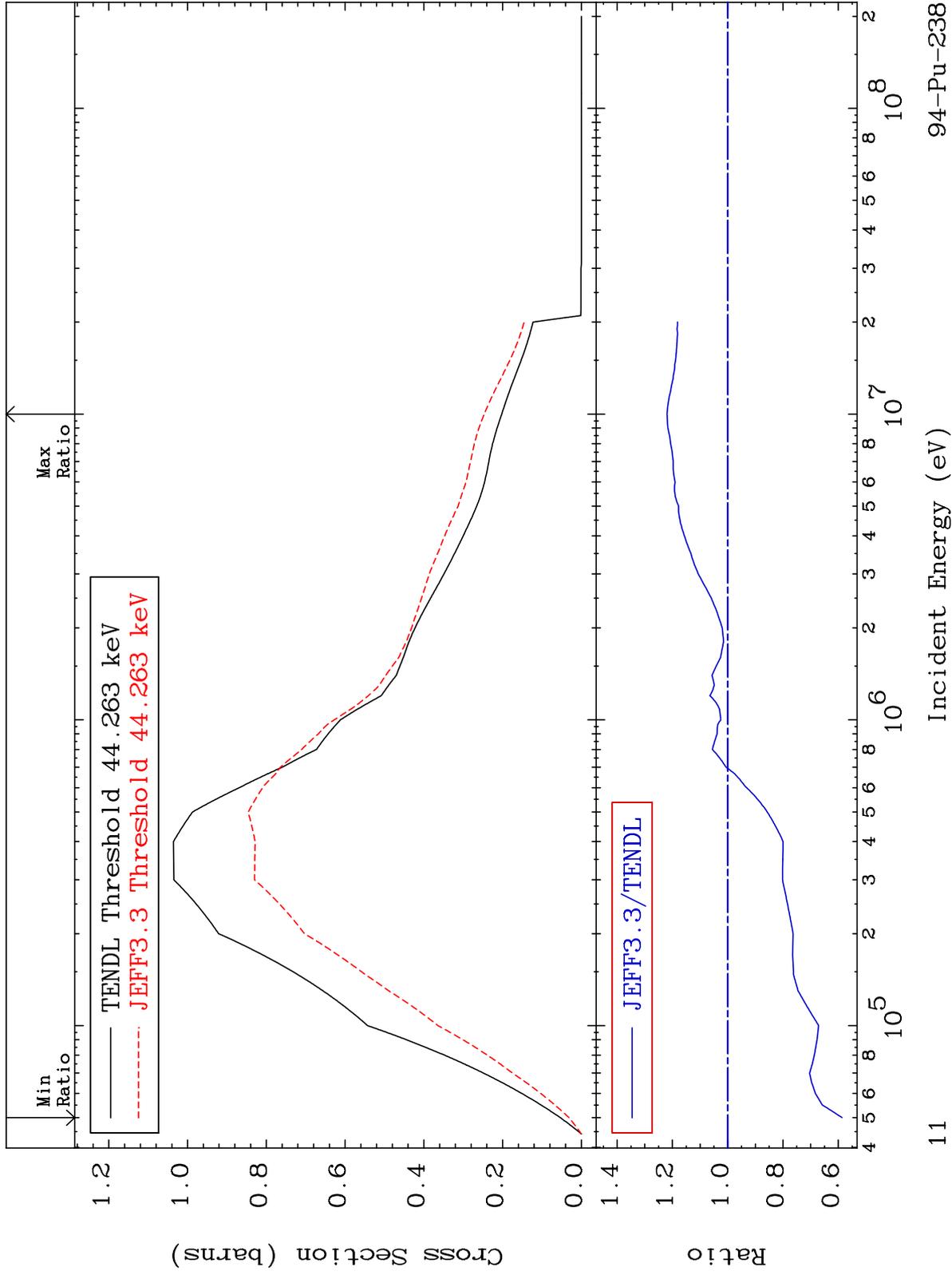
Incident Energy (eV)

94-Pu-238

MAT 9434

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

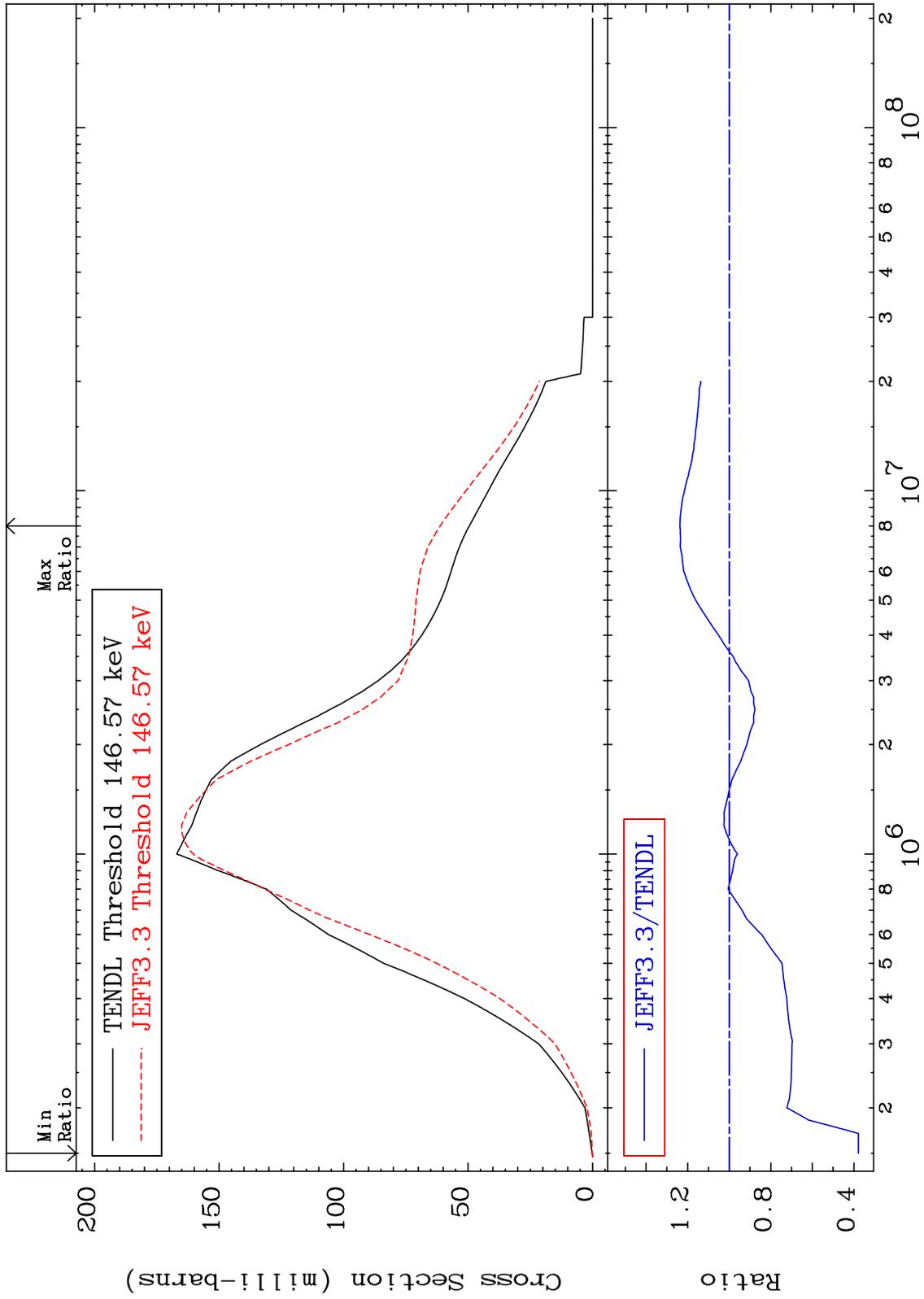
94-Pu-238
-41.40 To 21.95 %



MAT 9434

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

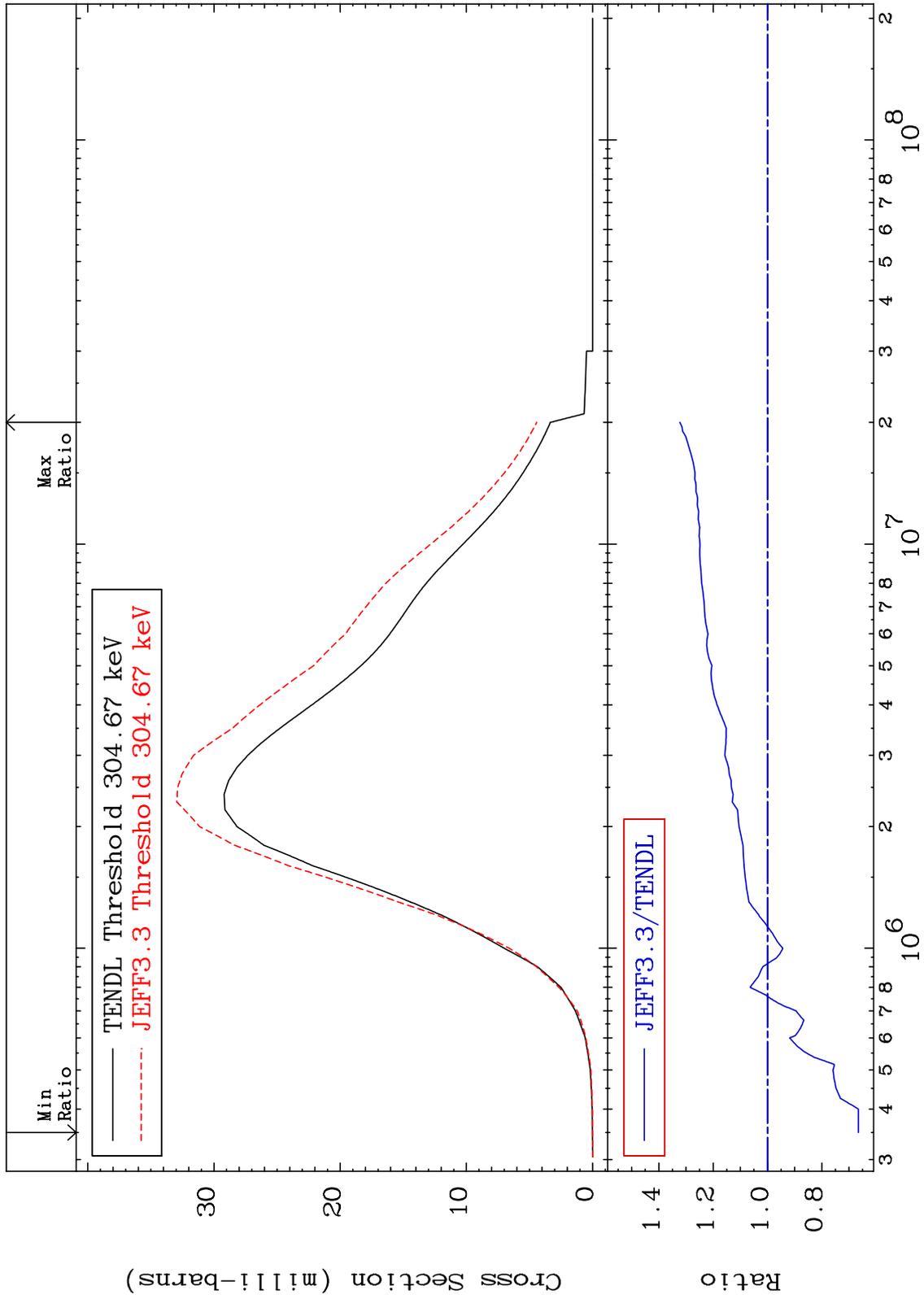
94-Pu-238
-62.15 To 23.70 %



MAT 9434

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

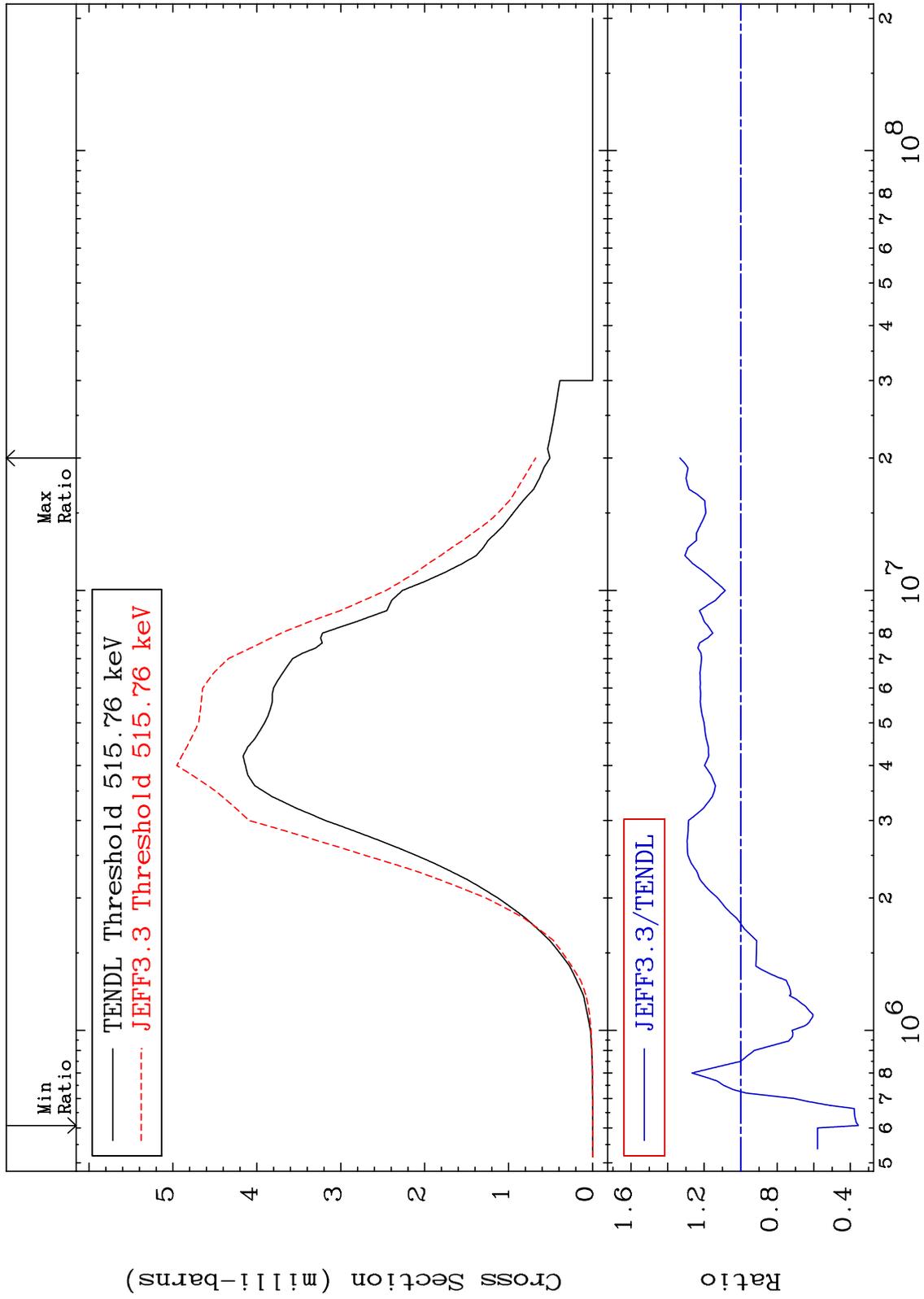
94-Pu-238
-33.46 To 32.23 %



13

94-Pu-238

MAT 9434 MT= 54 (n,n') Level 94-Pu-238
 Cross Section -64.39 To 33.27 %



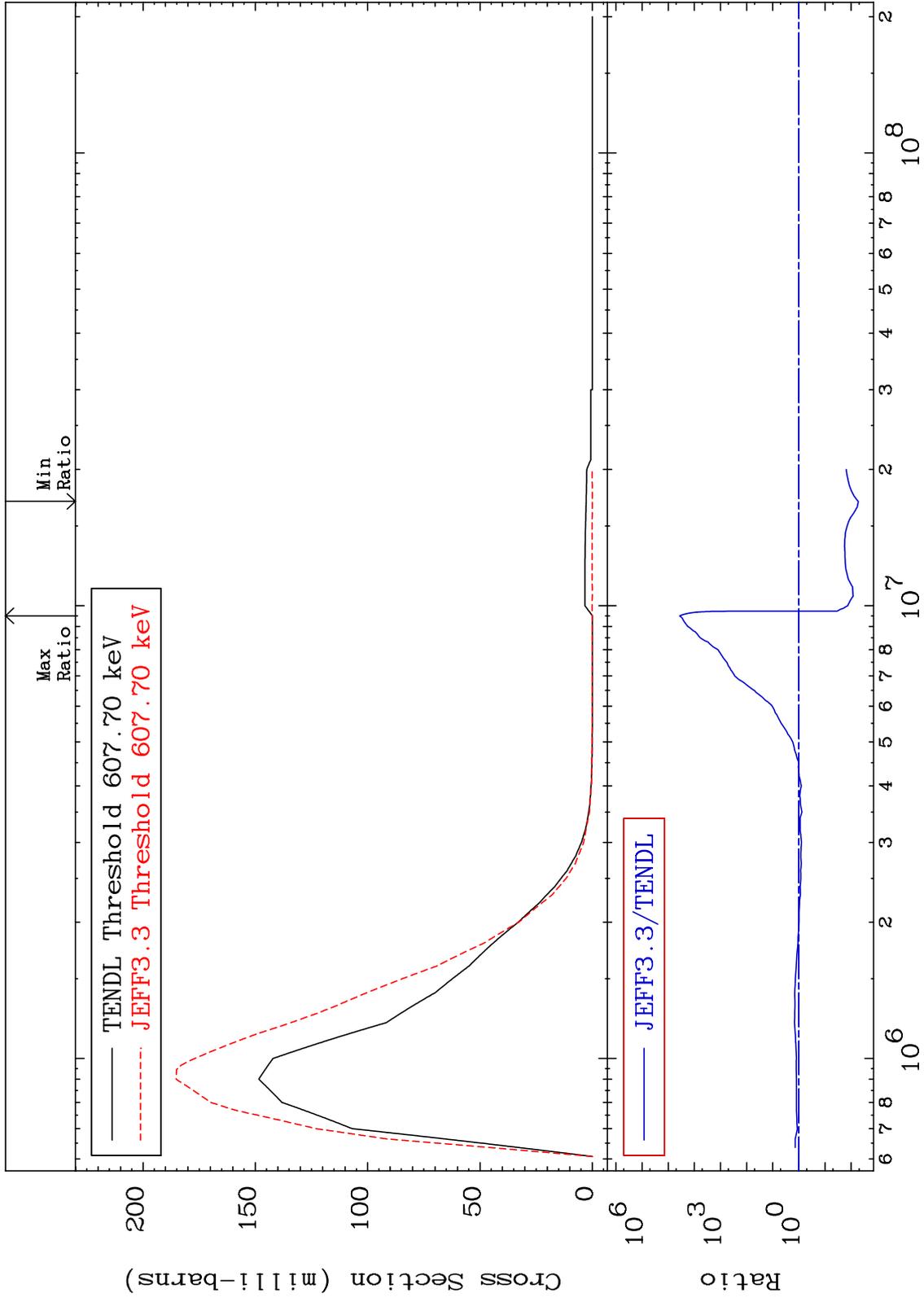
MAT 9434

MT= 55 (n,n') Level

94-Pu-238

-99.47 To 9999. %

Cross Section



15

Incident Energy (eV)

94-Pu-238

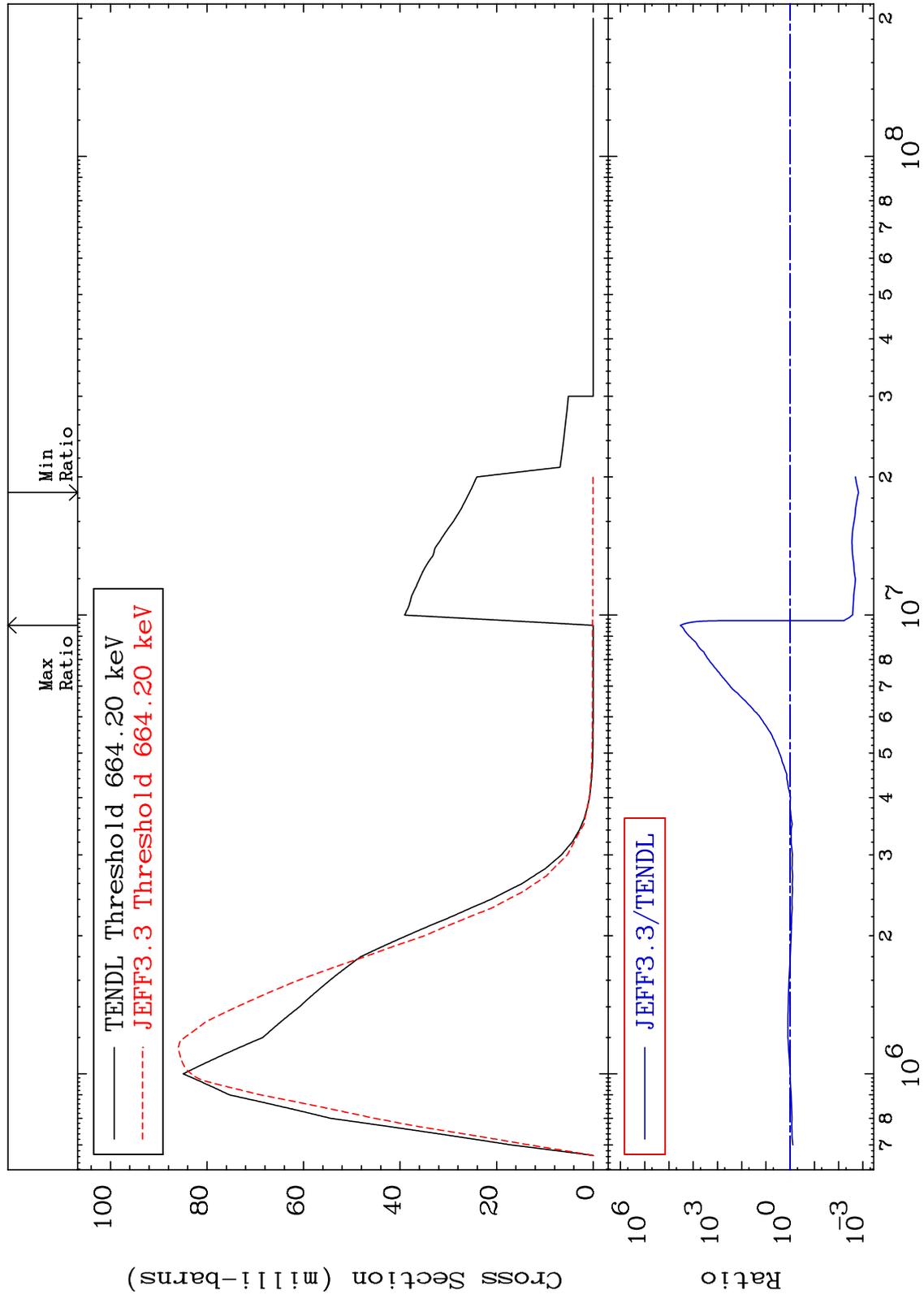
MAT 9434

MT= 56 (n,n') Level

94-Pu-238

-99.85 To 9999. %

Cross Section



16

Incident Energy (eV)

94-Pu-238

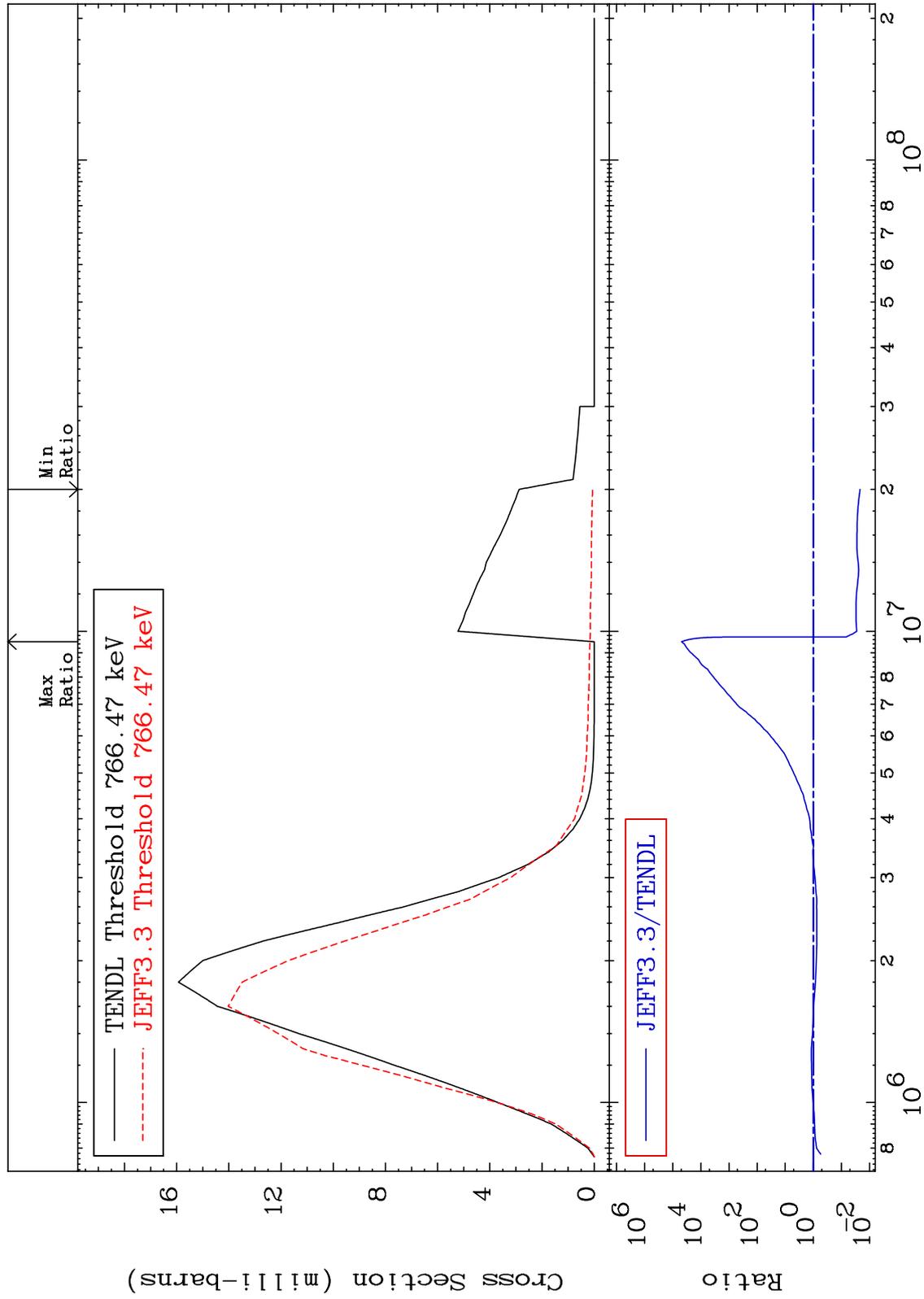
MAT 9434

MT= 57 (n,n') Level

94-Pu-238

-97.81 To 9999. %

Cross Section



17

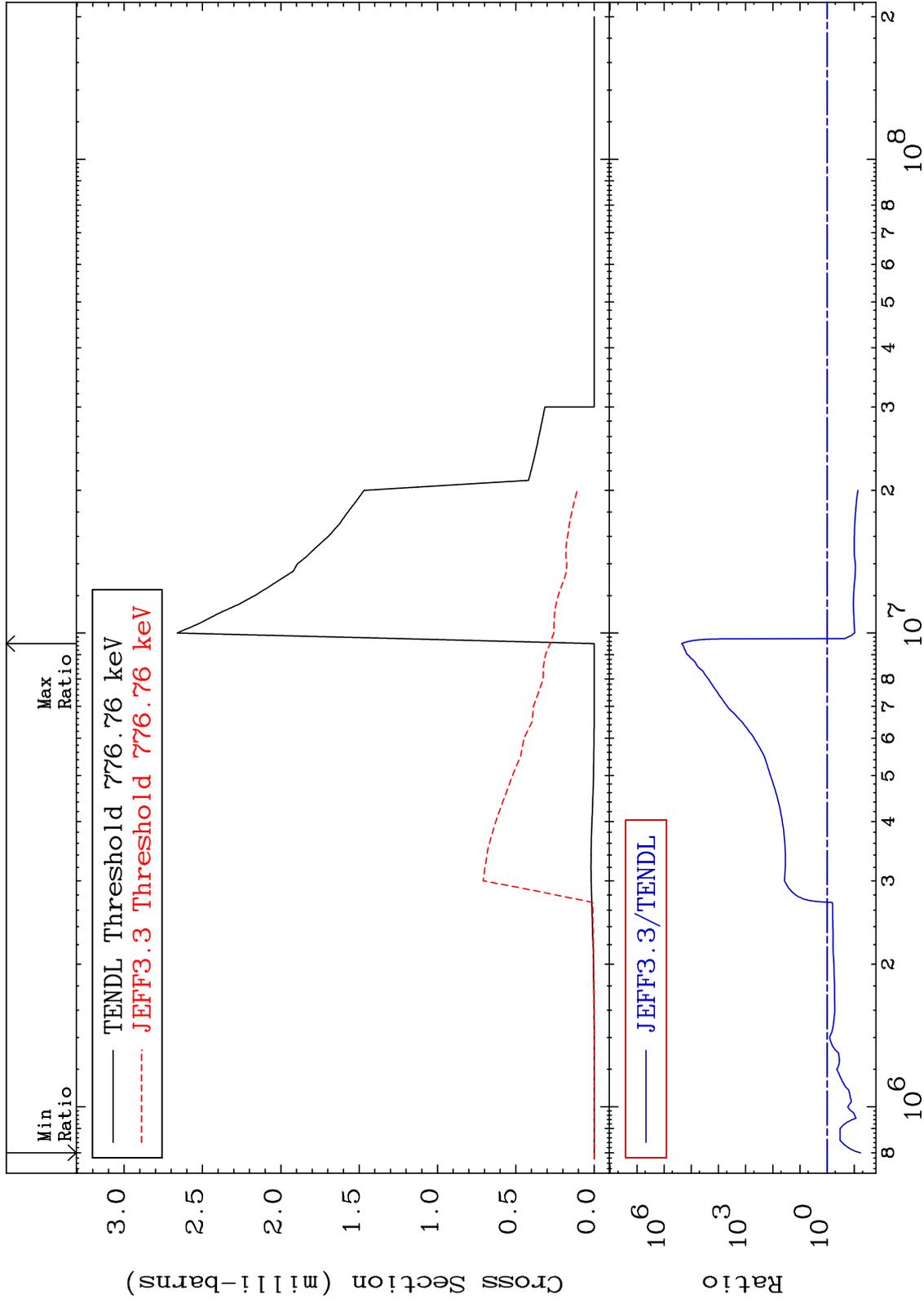
Incident Energy (eV)

94-Pu-238

MAT 9434

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

94-Pu-238
-94.16 To 9999. %



18

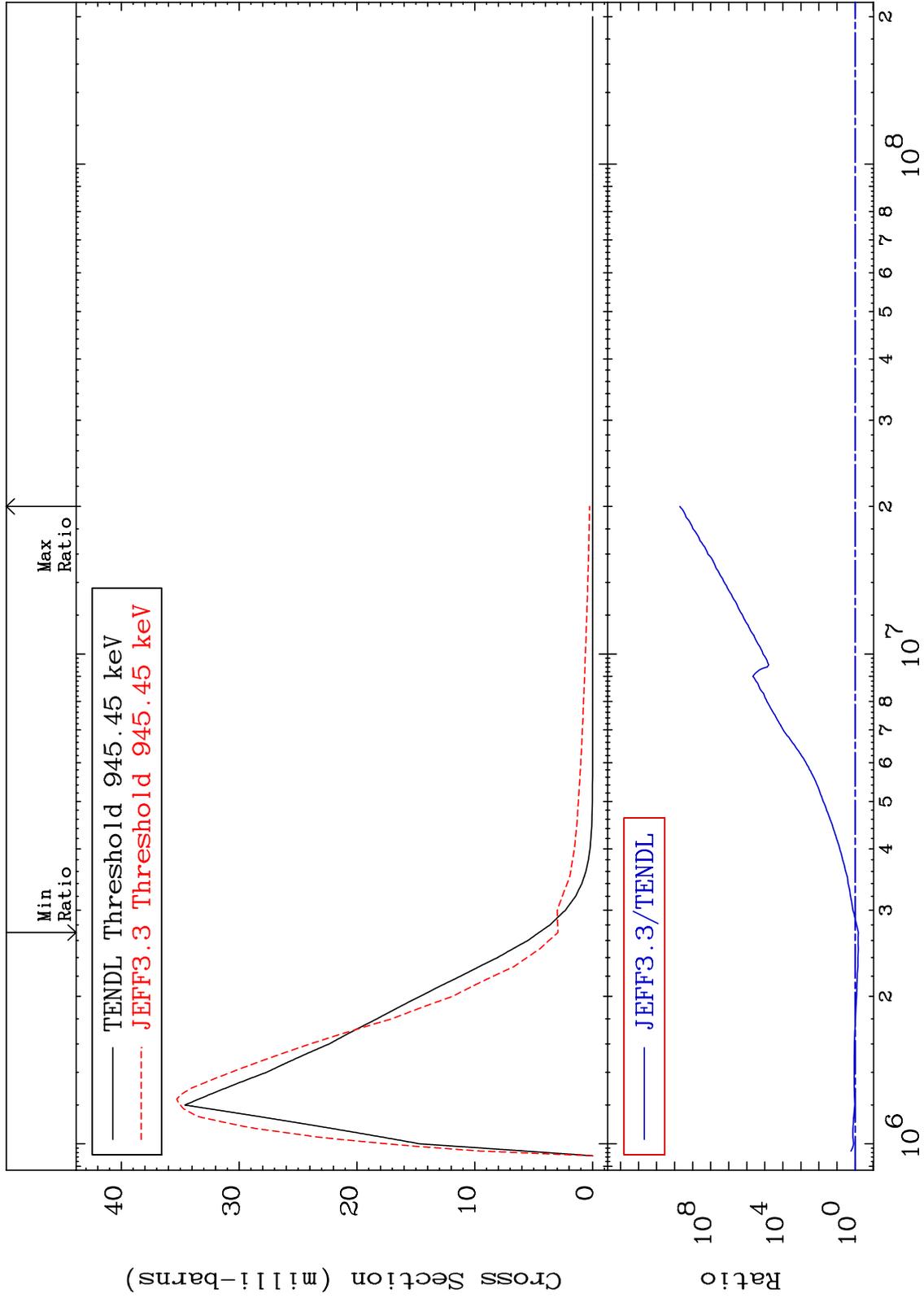
94-Pu-238

94-Pu-238

MAT 9434

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

94-Pu-238
-35.32 To 9999. %



19 94-Pu-238

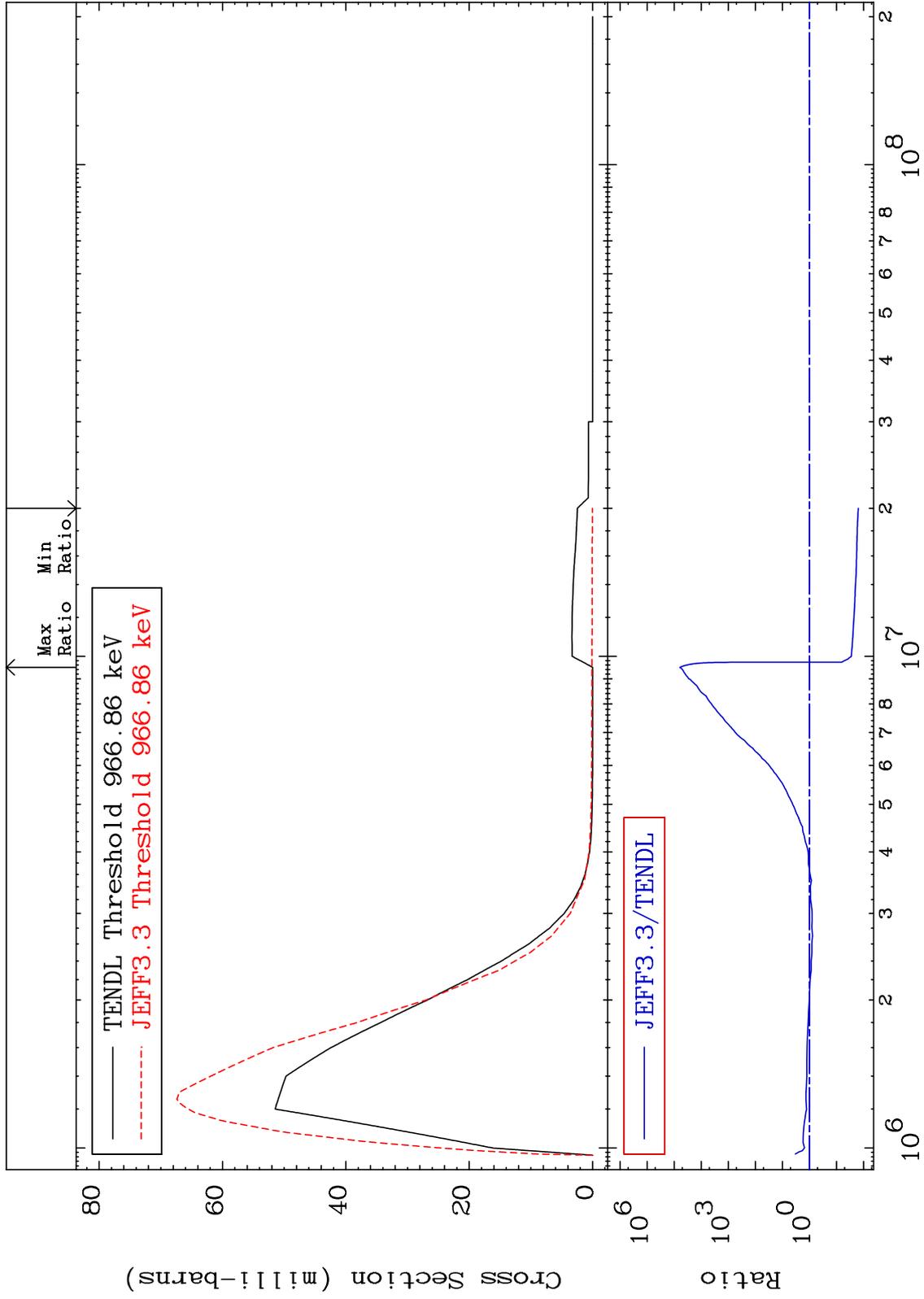
MAT 9434

MT= 60 (n,n') Level

94-Pu-238

-98.46 To 9999. %

Cross Section



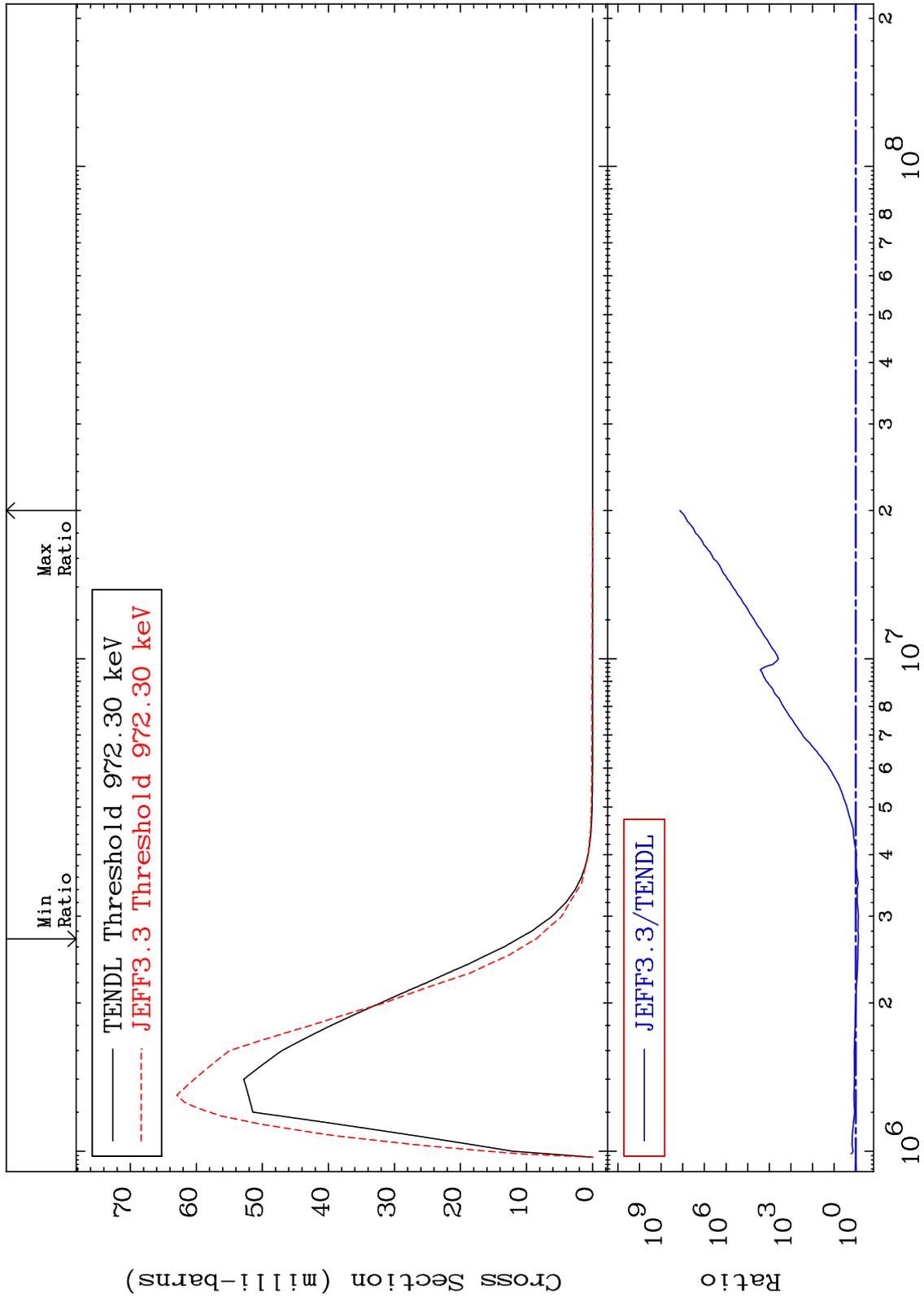
Incident Energy (eV)

94-Pu-238

MAT 9434

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

94-Pu-238
-24.45 To 9999. %



21

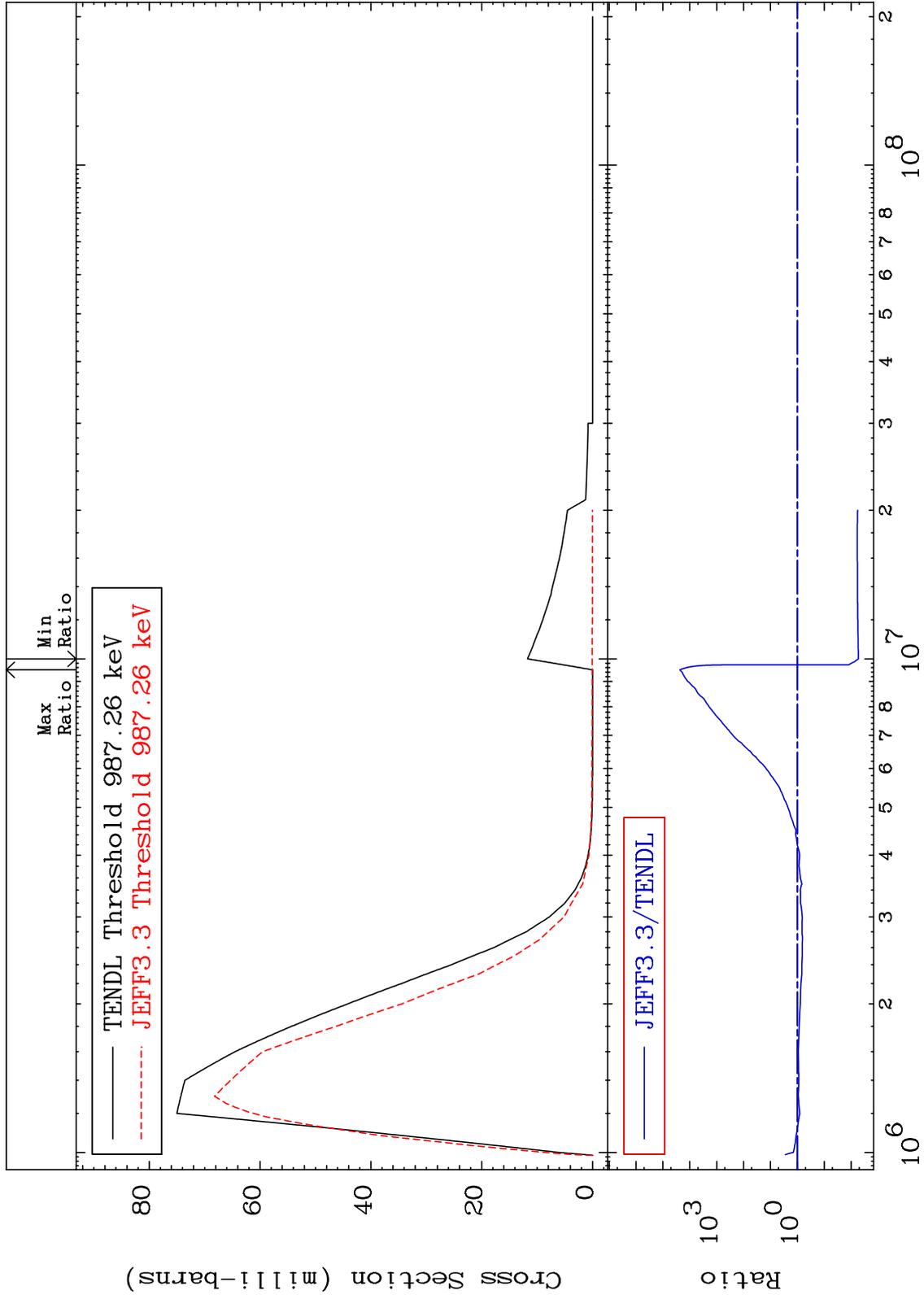
Incident Energy (eV)

94-Pu-238

MAT 9434

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

94-Pu-238
-99.46 To 9999. %



22

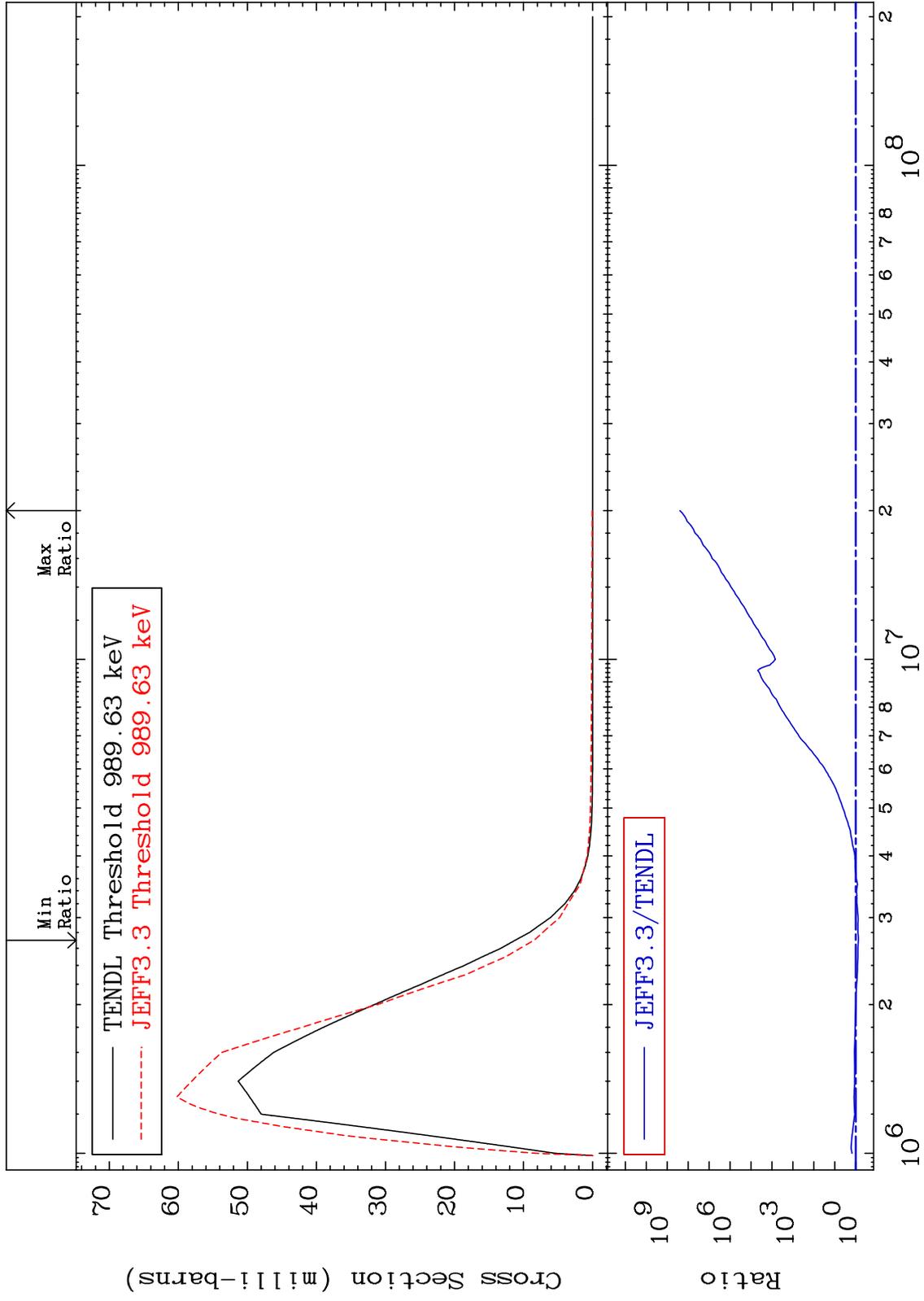
Incident Energy (eV)

94-Pu-238

MAT 9434

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

94-Pu-238
-24.61 To 9999. %



23

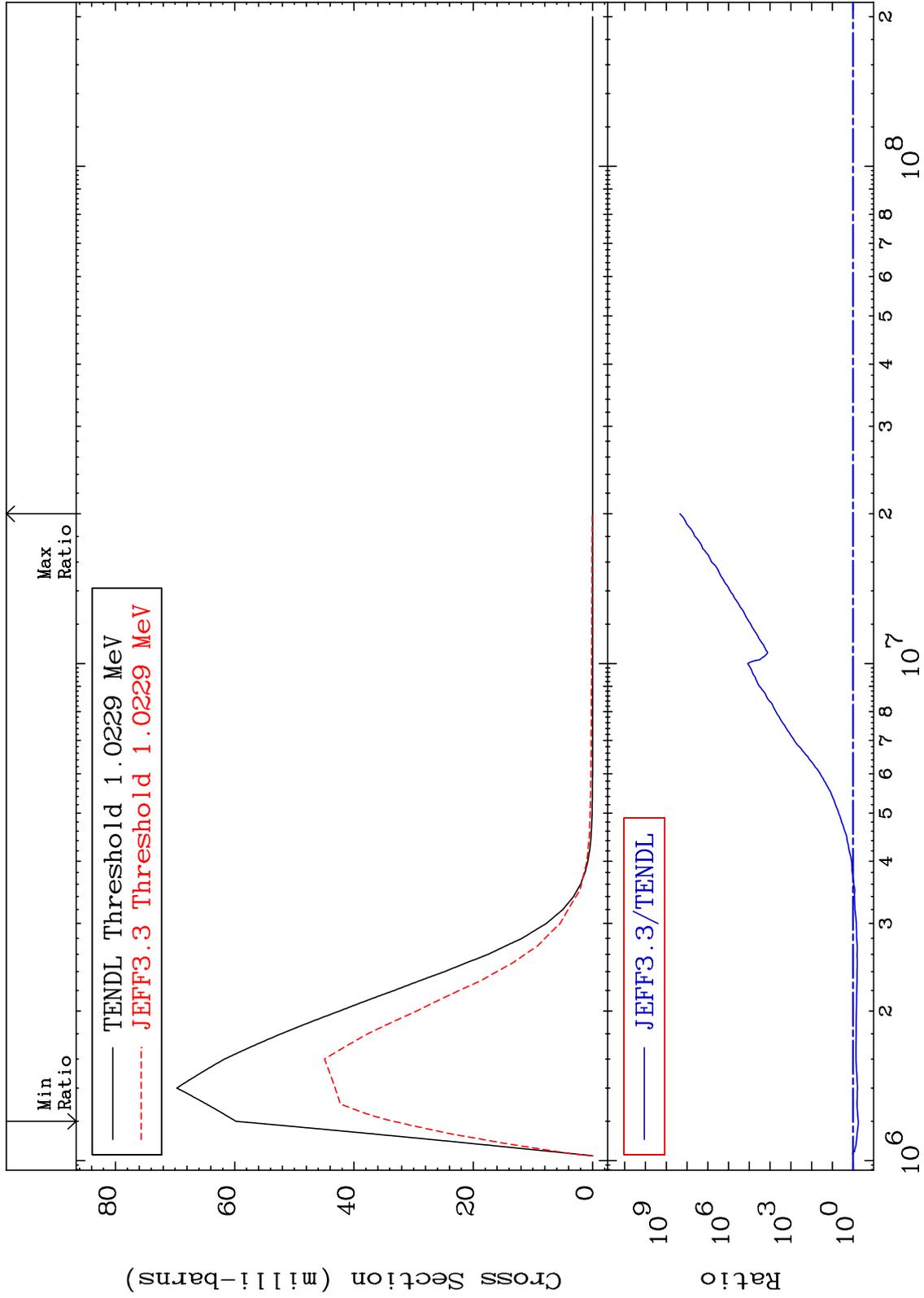
Incident Energy (eV)

94-Pu-238

MAT 9434

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

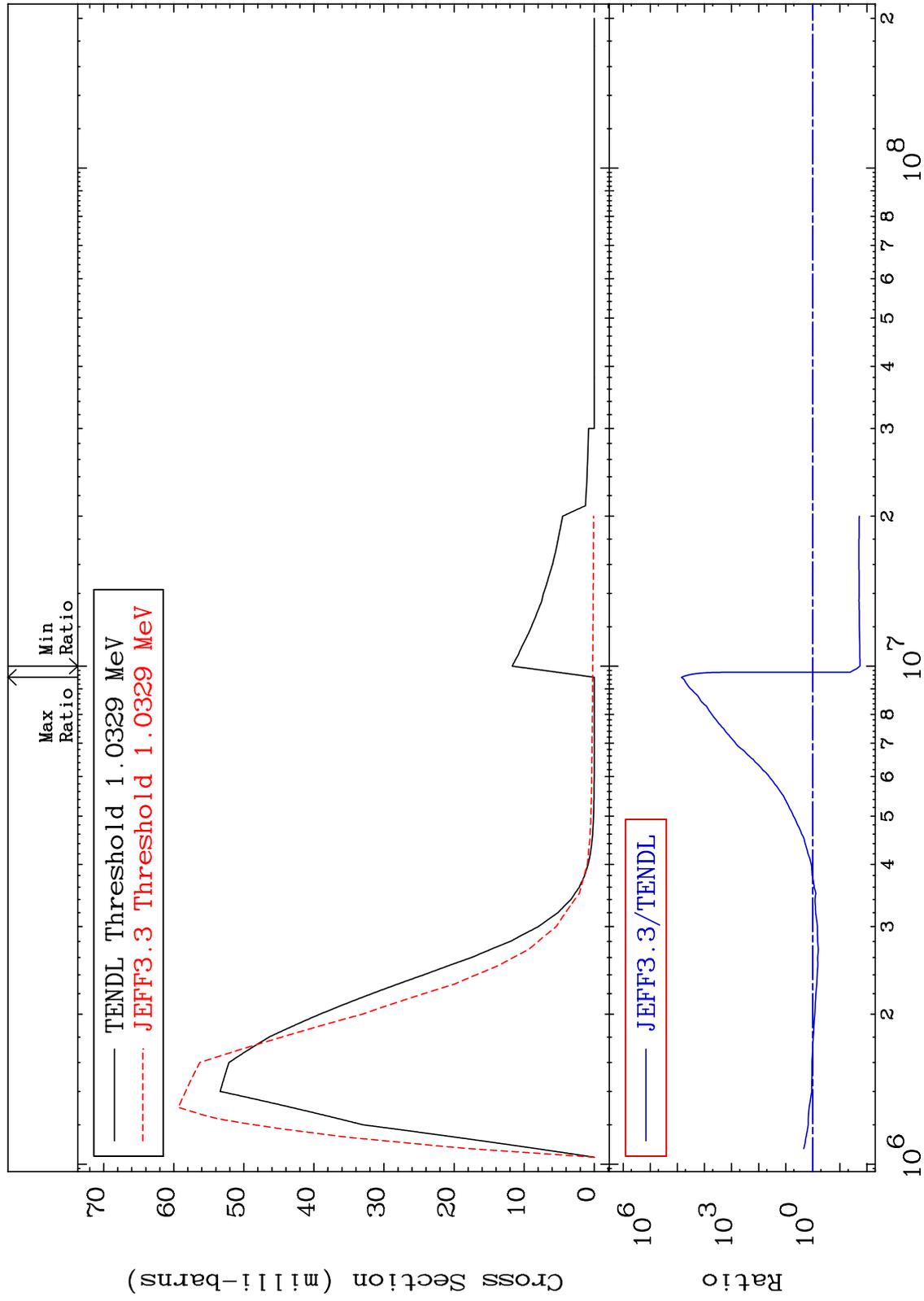
94-Pu-238
-44.19 To 9999. %



MAT 9434

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

94-Pu-238
-98.18 To 9999. %



25

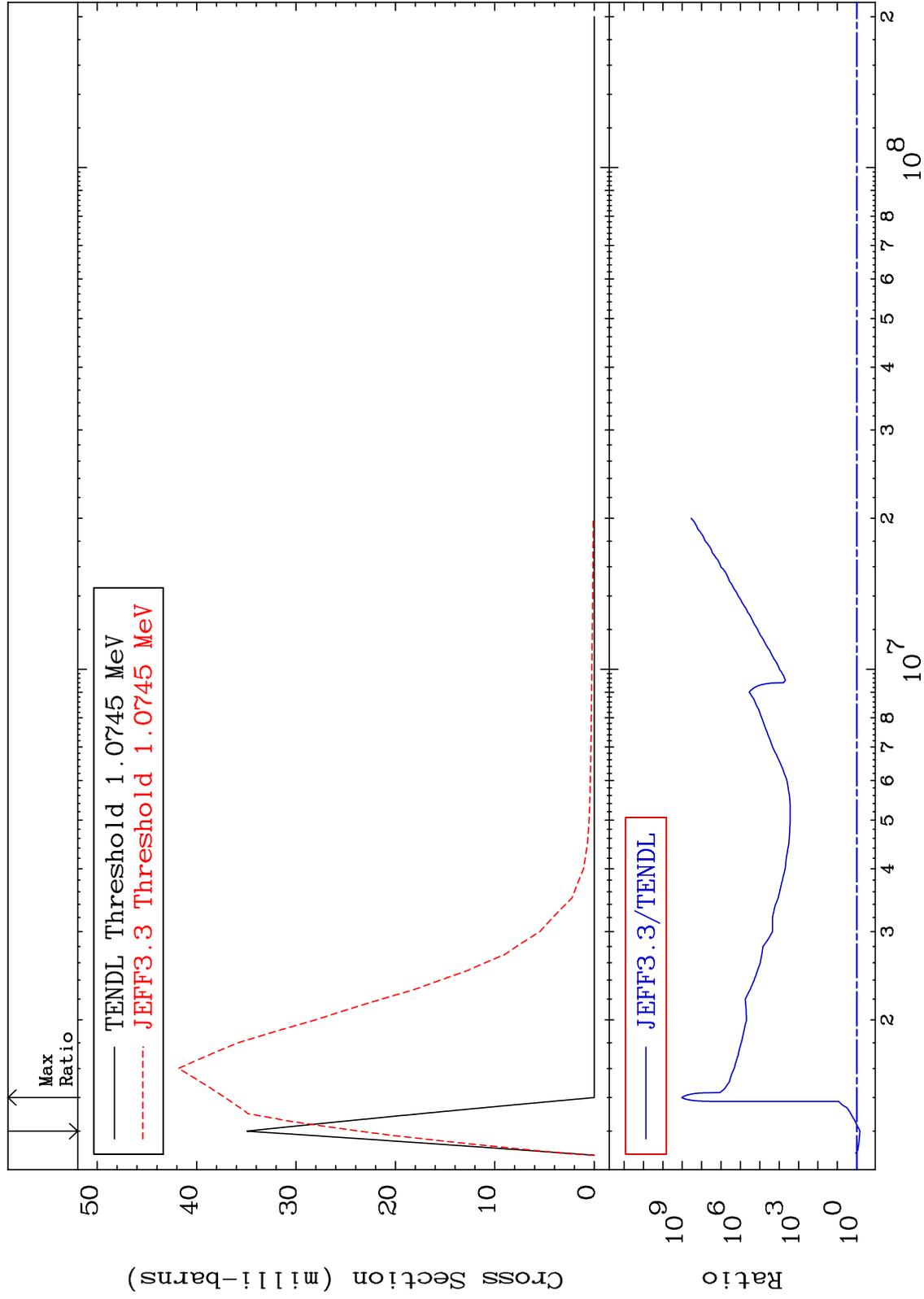
Incident Energy (eV)

94-Pu-238

MAT 9434

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

94-Pu-238
-32.46 To 9999. %



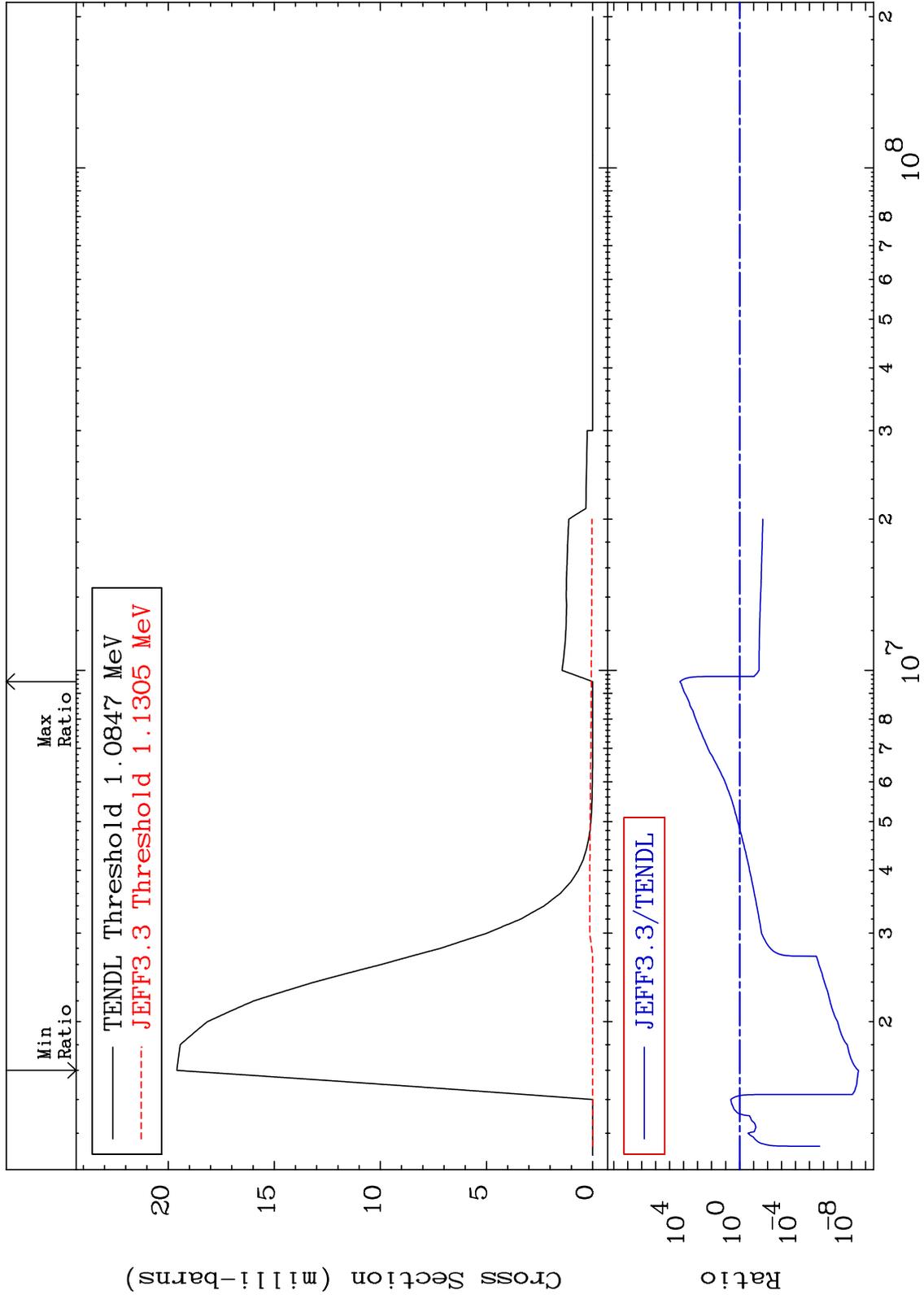
MAT 9434

MT= 67 (n,n') Level

94-Pu-238

-100.0 To 9999. %

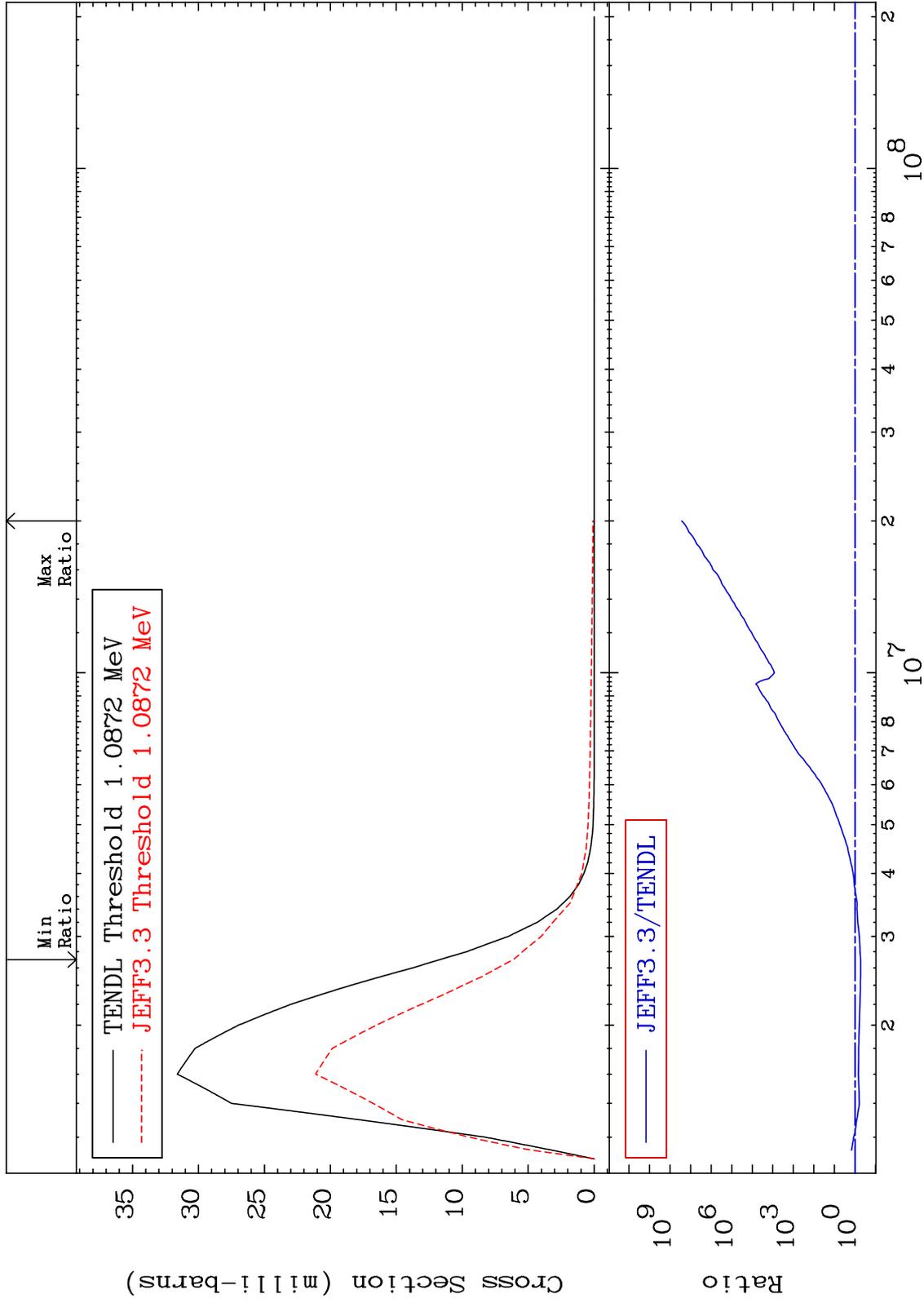
Cross Section



MAT 9434

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

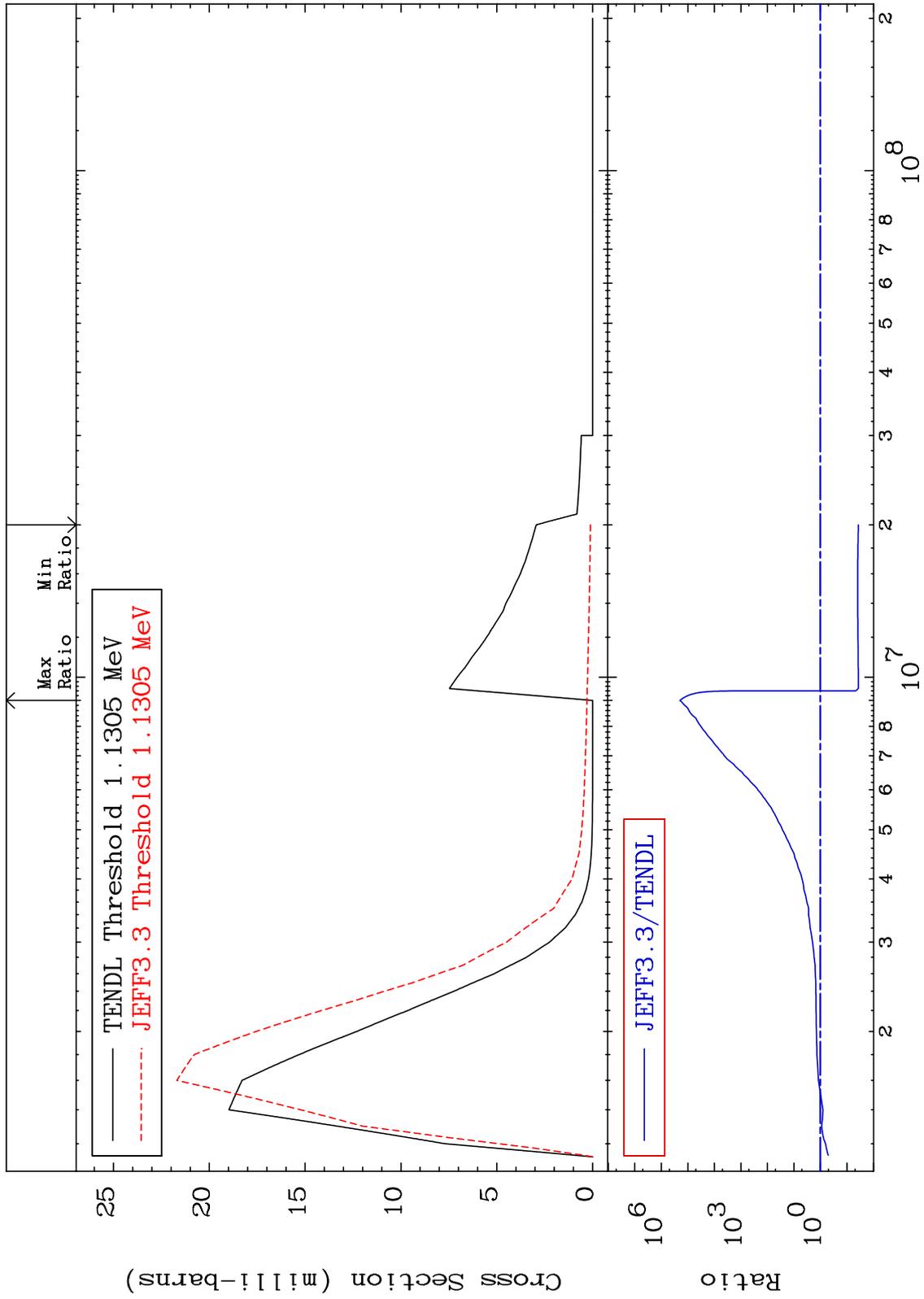
94-Pu-238
-47.63 To 9999. %



MAT 9434

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

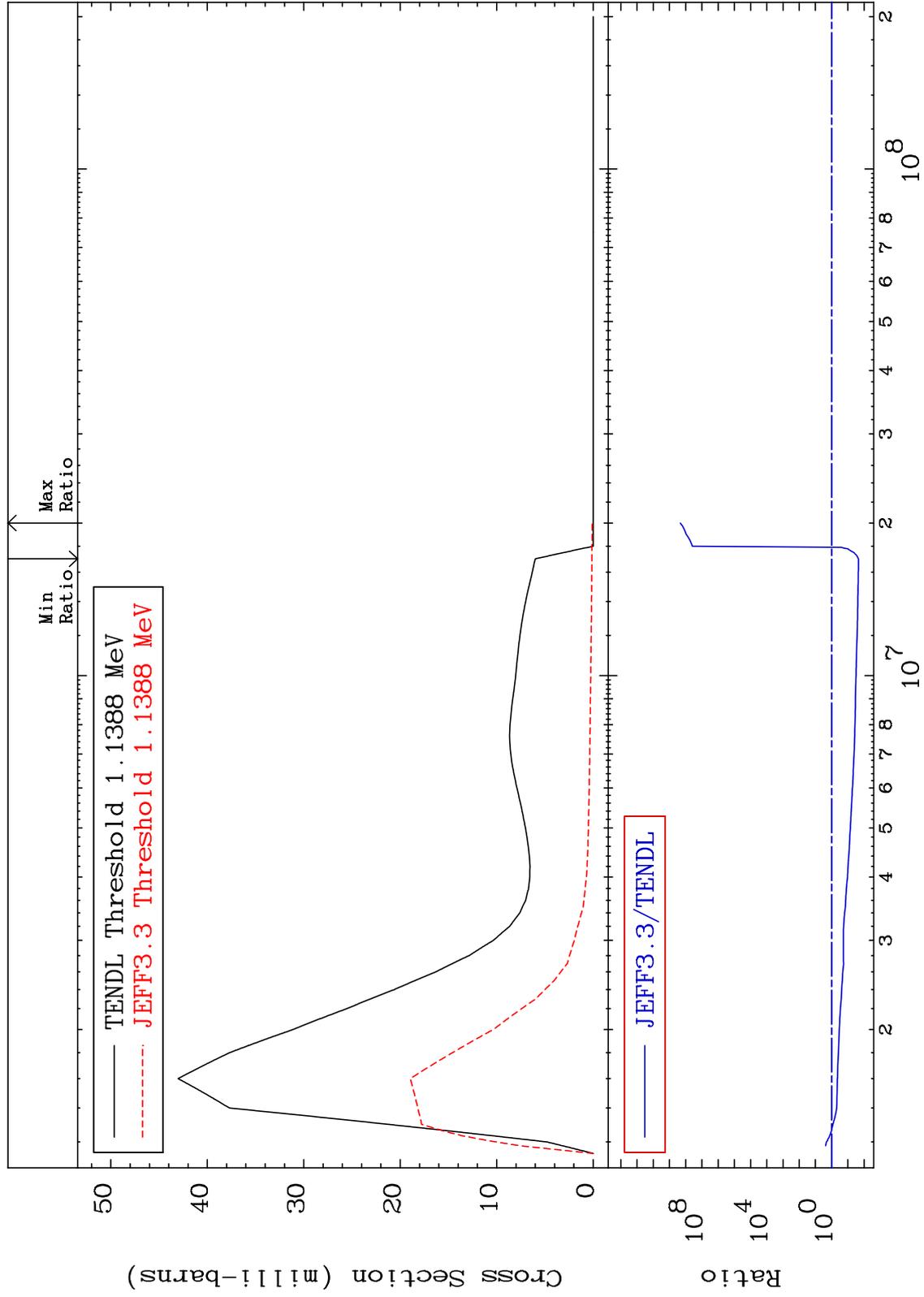
94-Pu-238
-96.28 To 9999. %



MAT 9434

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

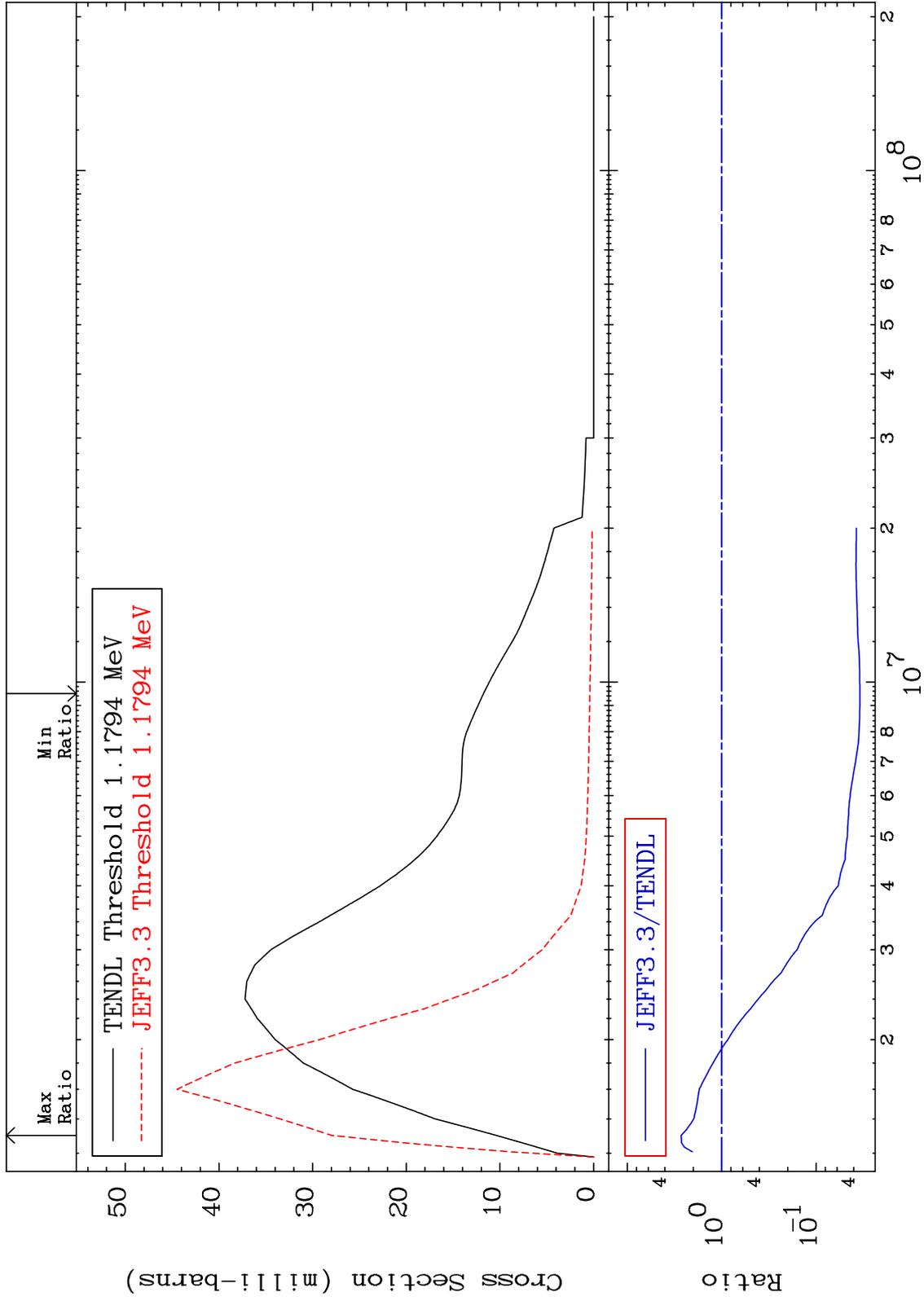
94-Pu-238
-97.79 To 9999. %



MAT 9434

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

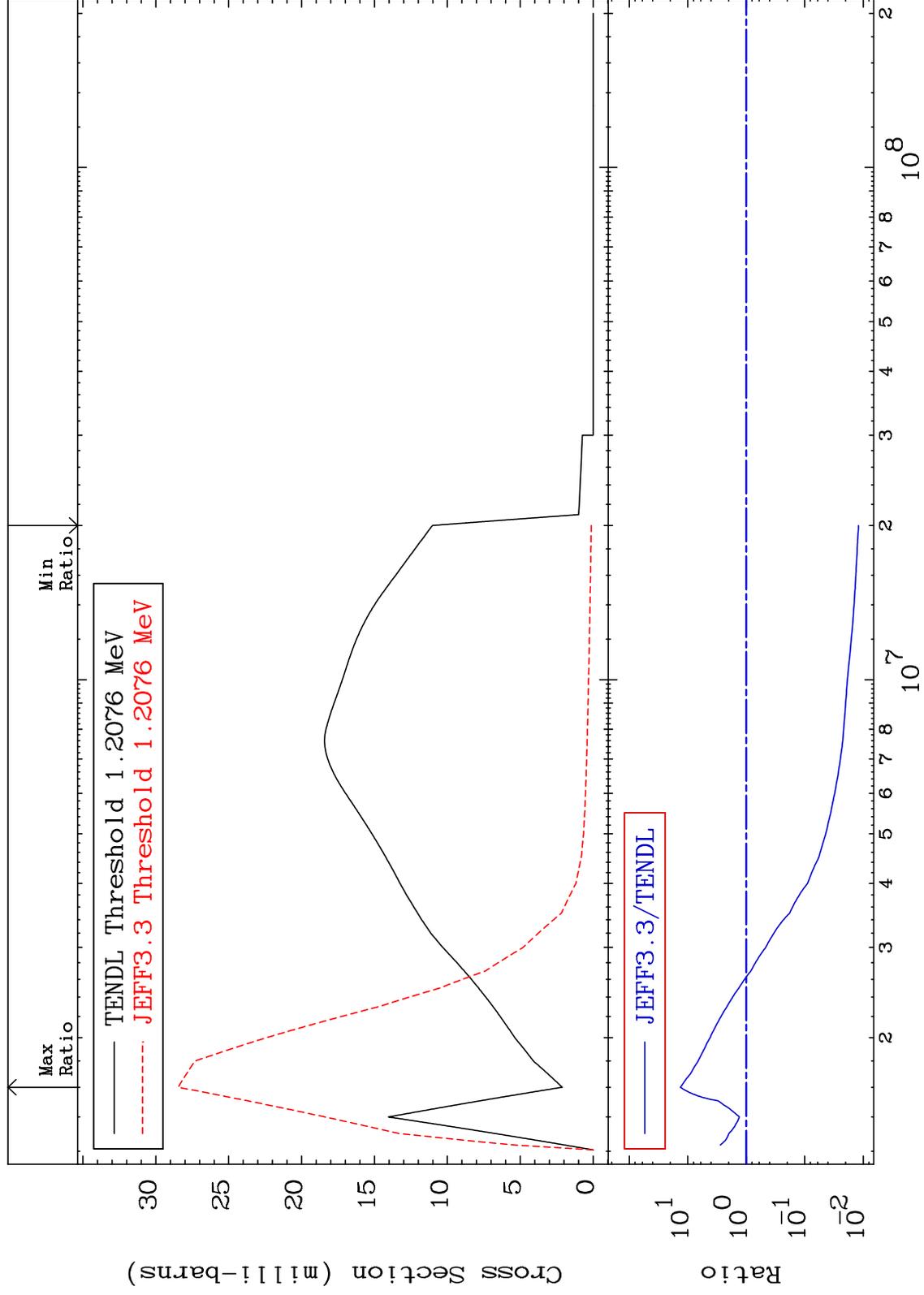
94-Pu-238
-96.56 To 168.8 %



MAT 9434

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

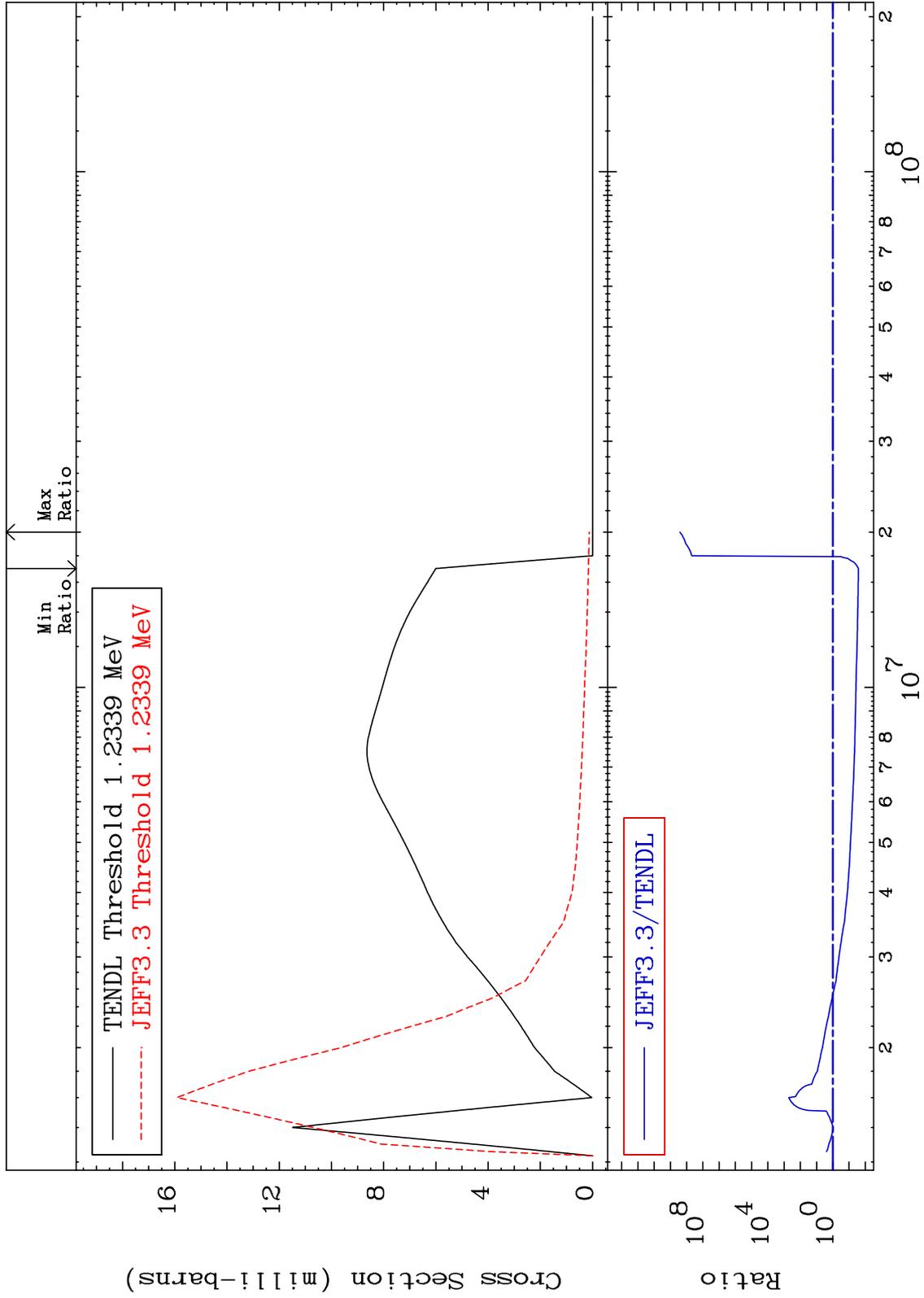
94-Pu-238
-98.80 To 1241. %



MAT 9434

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

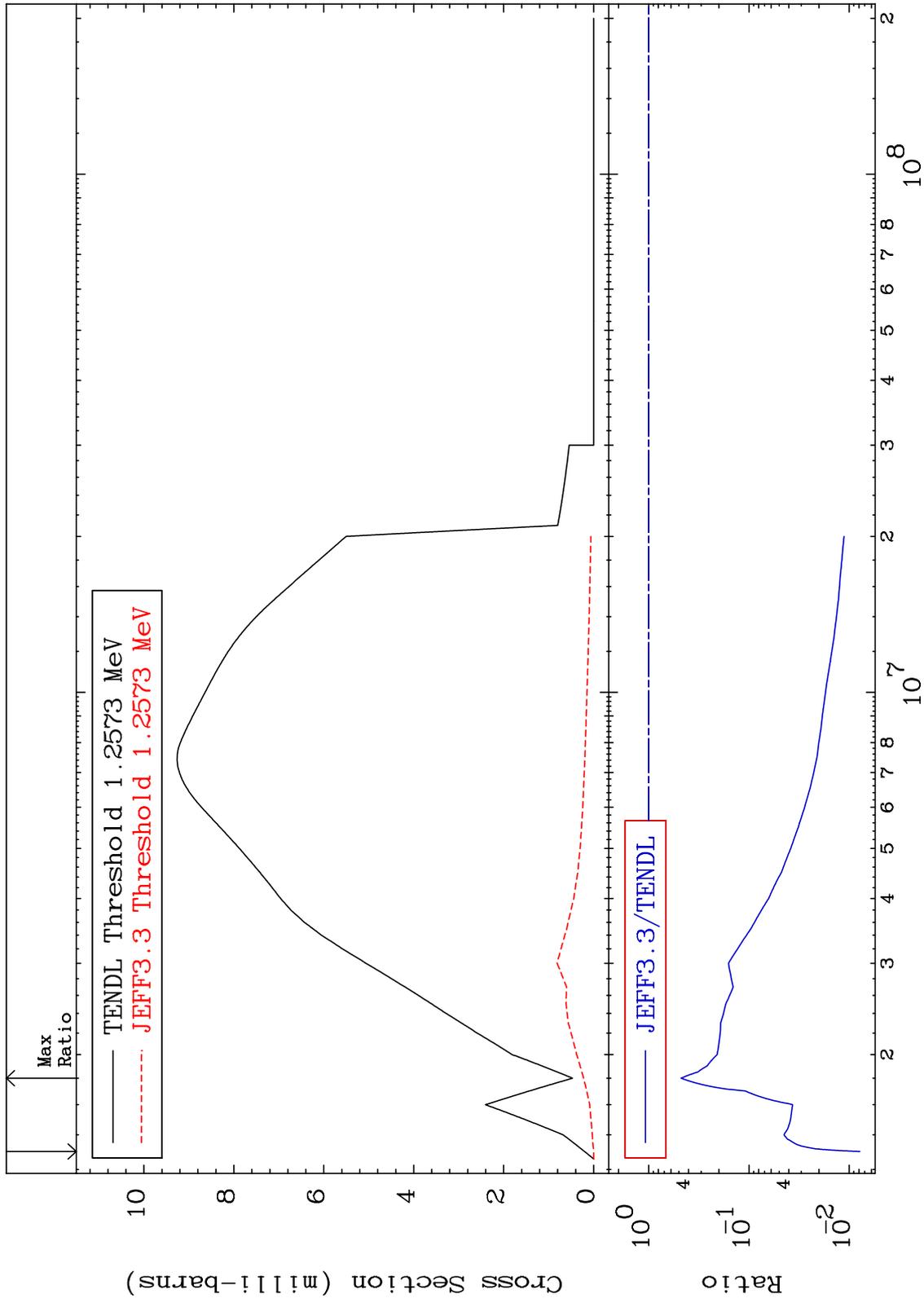
94-Pu-238
-97.33 To 9999. %



MAT 9434

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

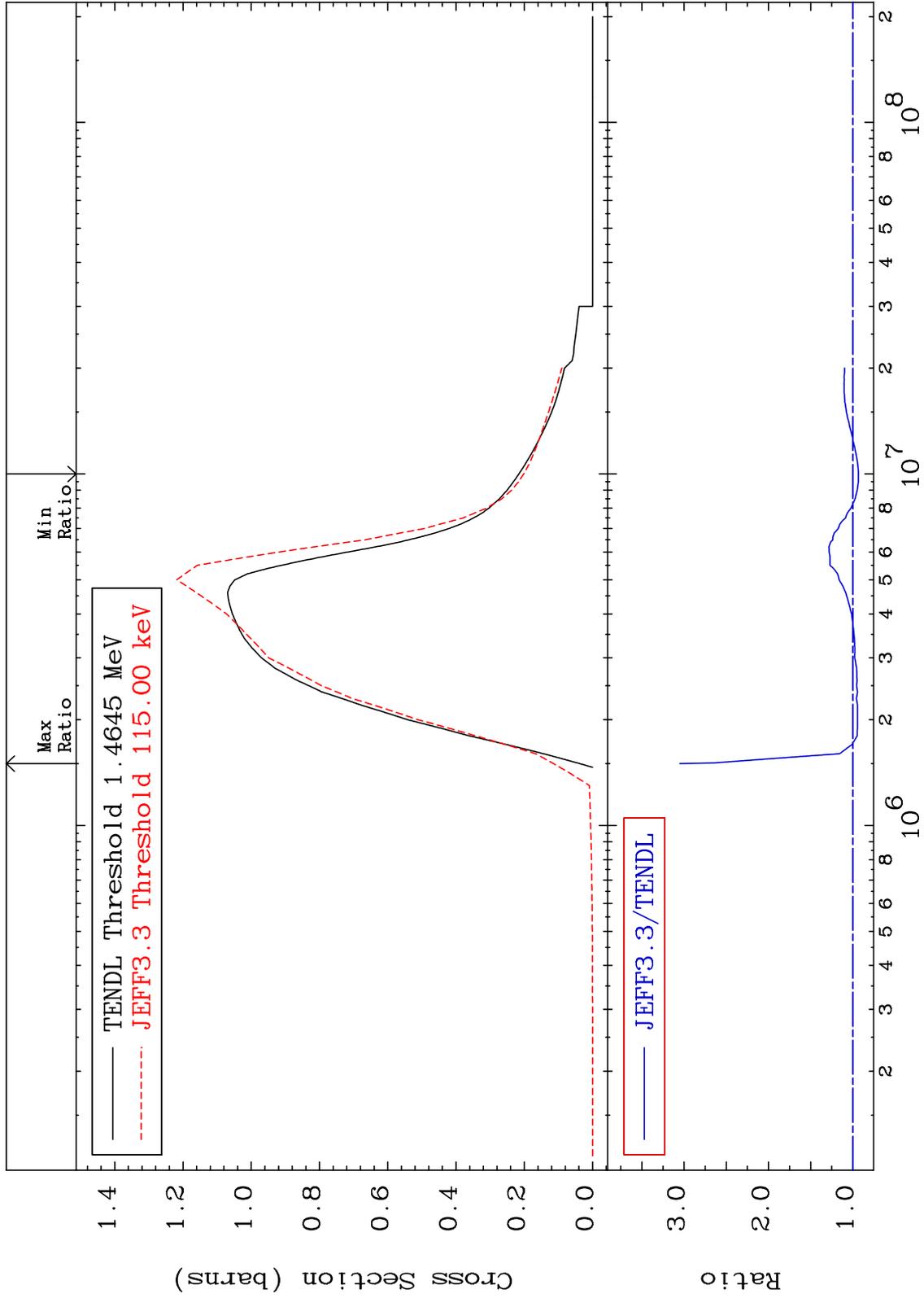
94-Pu-238
-99.22 To -52.52%



MAT 9434

(n, n') Continuum
Cross Section

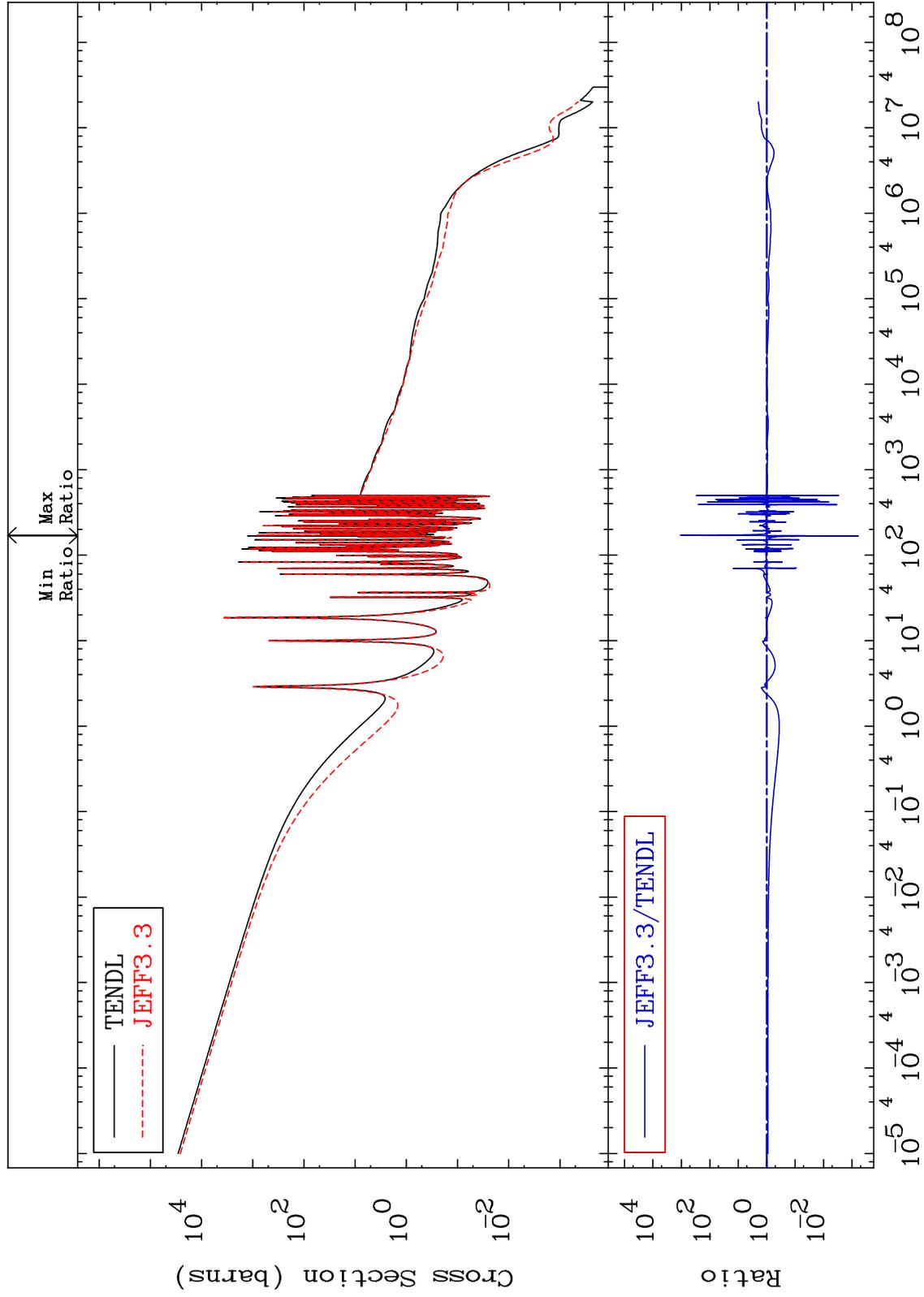
94-Pu-238
-6.530 To 204.9 %



MAT 9434

(n, γ)
Cross Section

94-Pu-238
-99.94 To 9999. %



36

Incident Energy (eV)

94-Pu-238

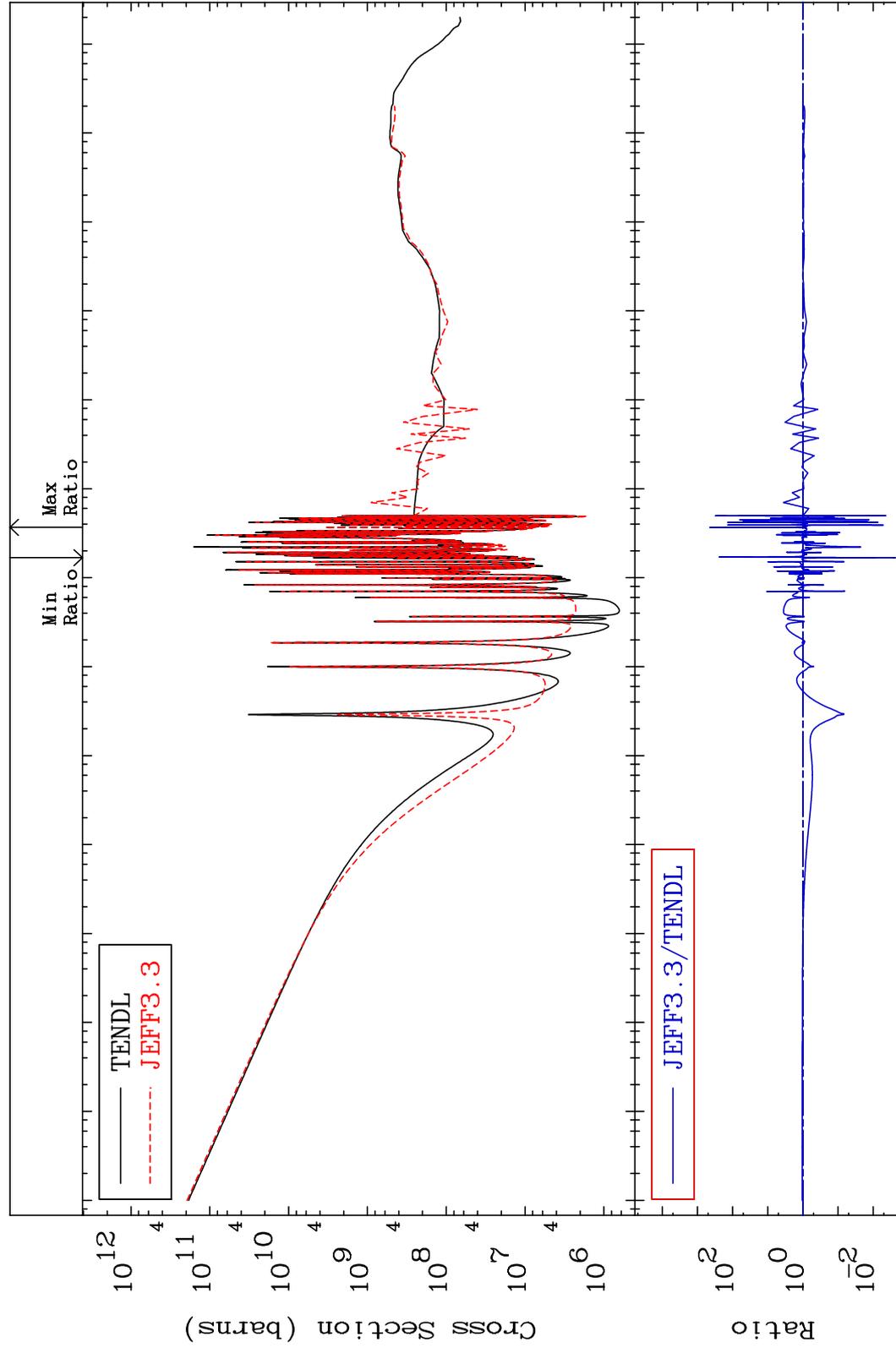
MAT 9434

Kerma total (eV-barns)

94-Pu-238

-99.77 To 9999. %

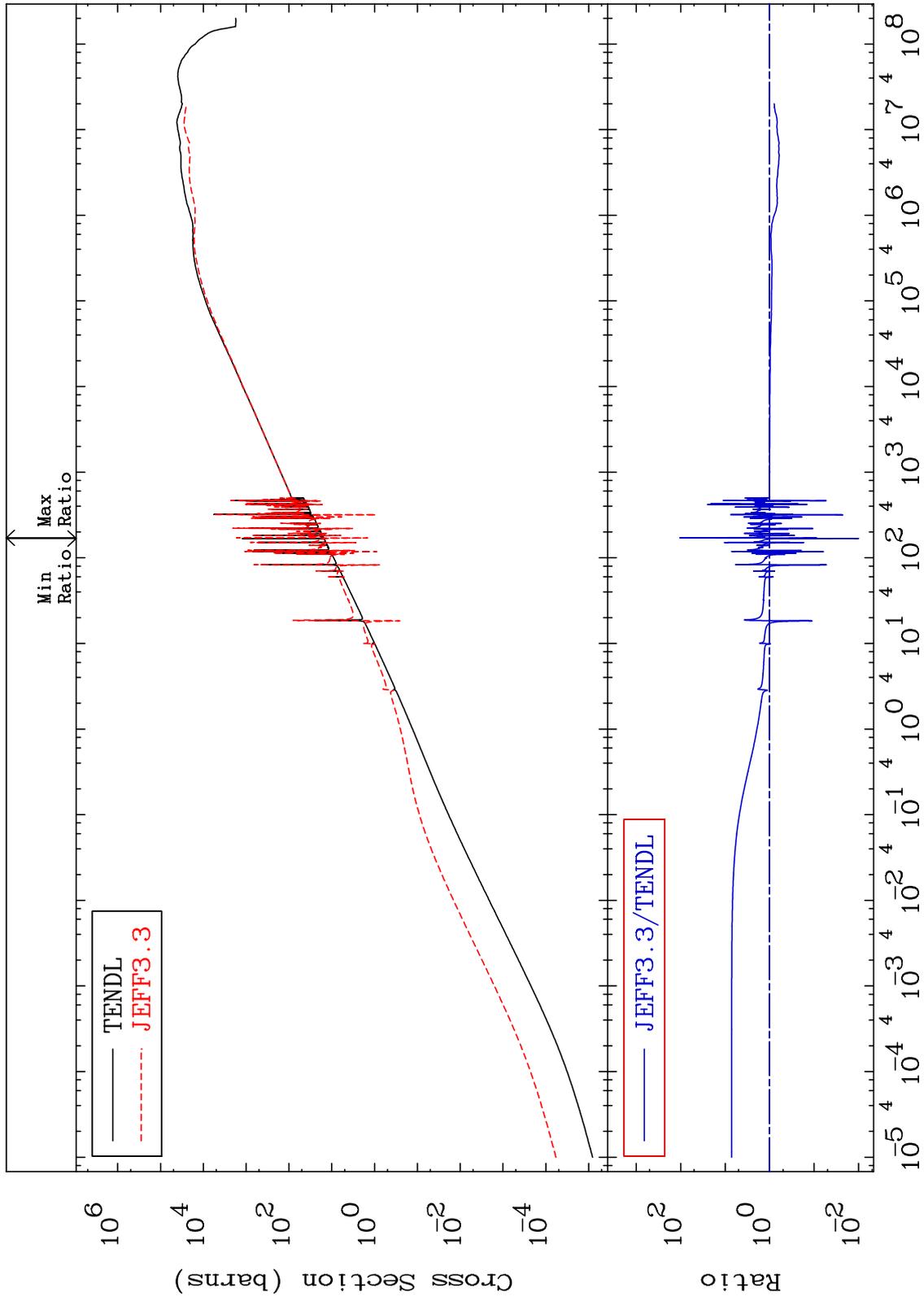
Cross Section



MAT 9434

Kerma elastic
Cross Section

94-Pu-238
-98.99 To 9999. %



38

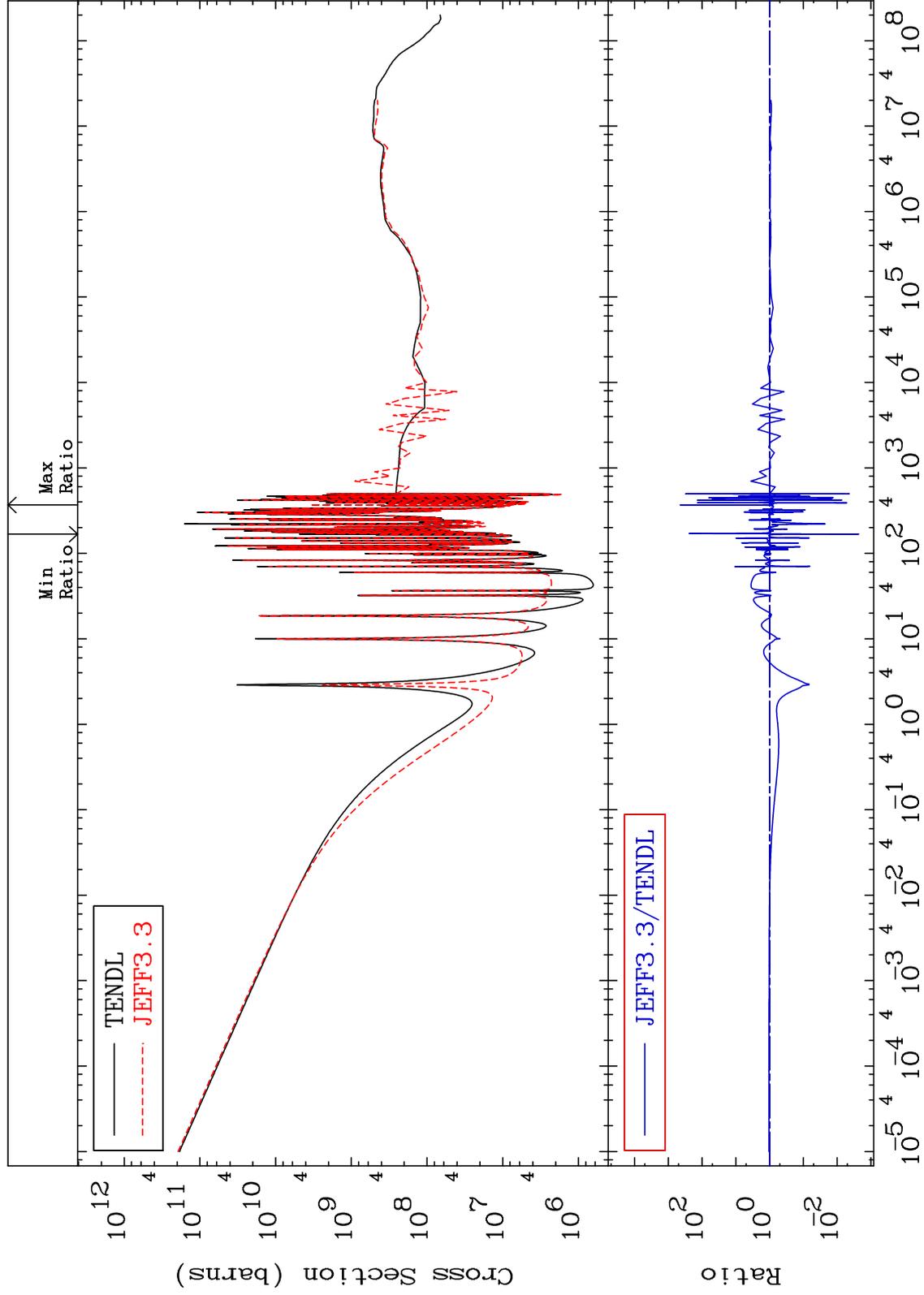
Incident Energy (eV)

94-Pu-238

MAT 9434

Kerma non-elastic (all but mt2)
Cross Section

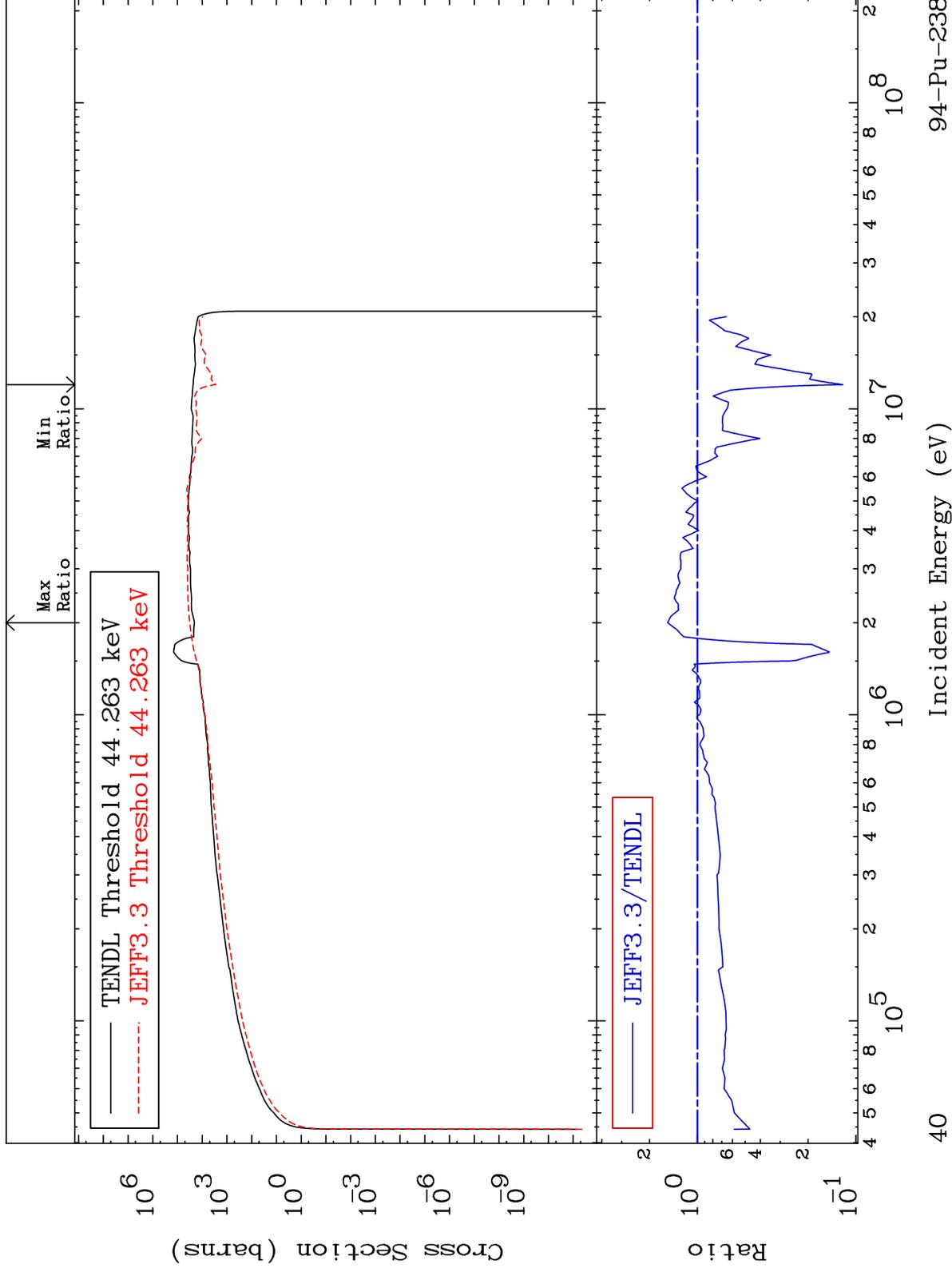
94-Pu-238
-99.77 To 9999. %



MAT 9434

Kerma inelastic (mt51-91)
Cross Section

94-Pu-238
-87.93 To 53.88 %



40

Incident Energy (eV)

94-Pu-238

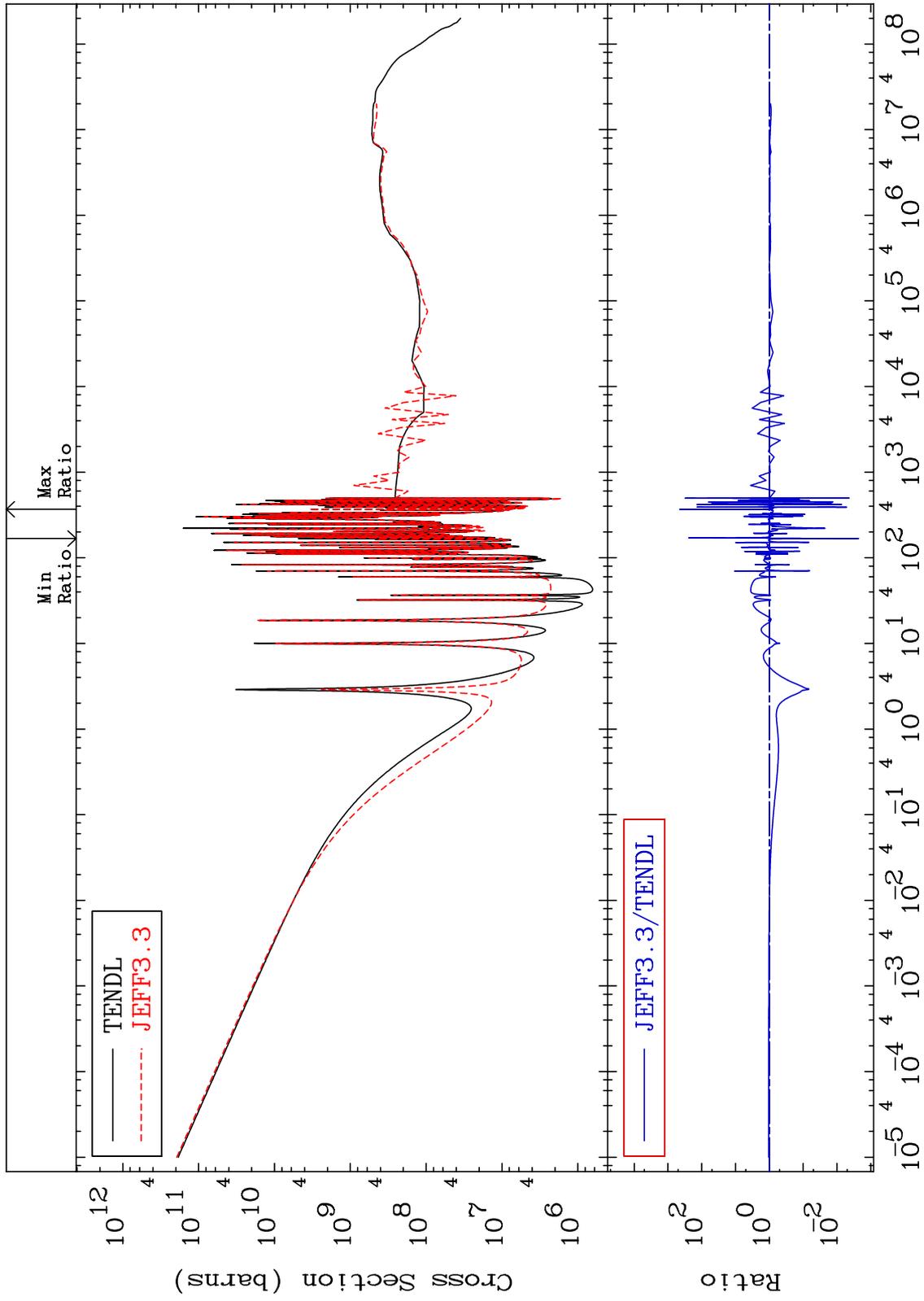
MAT 9434

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

94-Pu-238

-99.77 To 9999. %

Cross Section



41

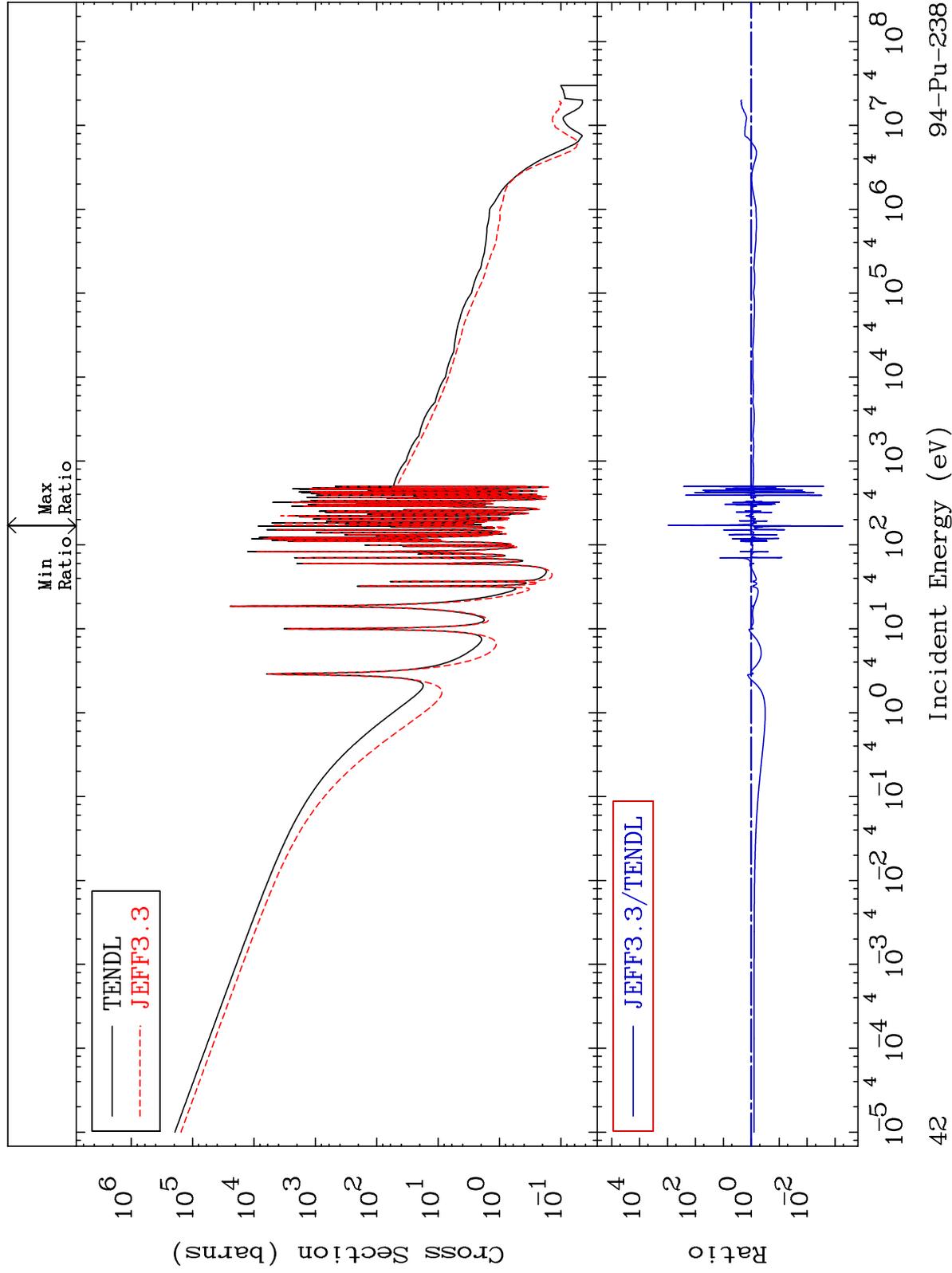
Incident Energy (eV)

94-Pu-238

MAT 9434

Kerma capture (mt102)
Cross Section

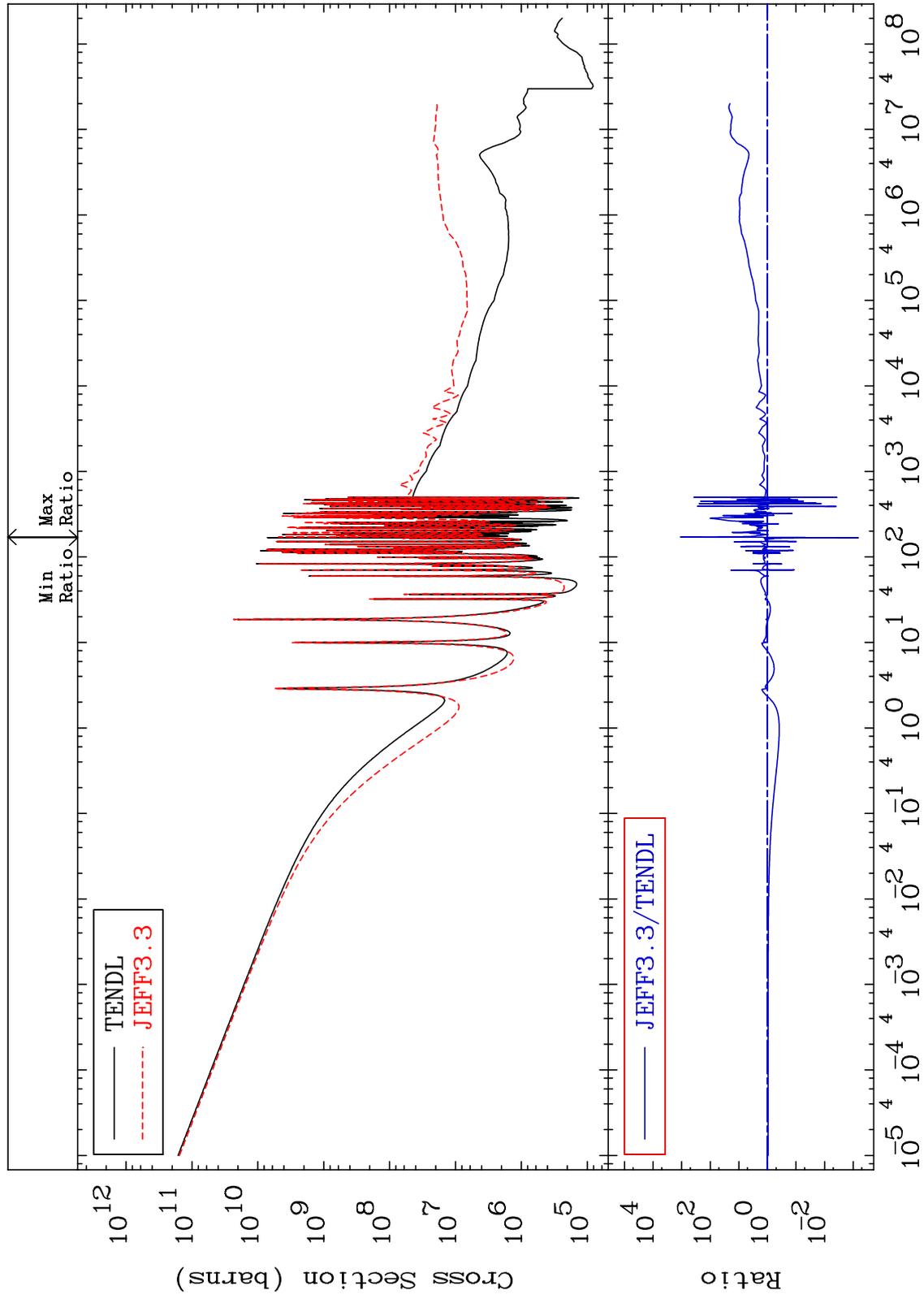
94-Pu-238
-99.95 To 9999. %



MAT 9434

Total photon (eV-barns)
Cross Section

94-Pu-238
-99.93 To 9999. %



43

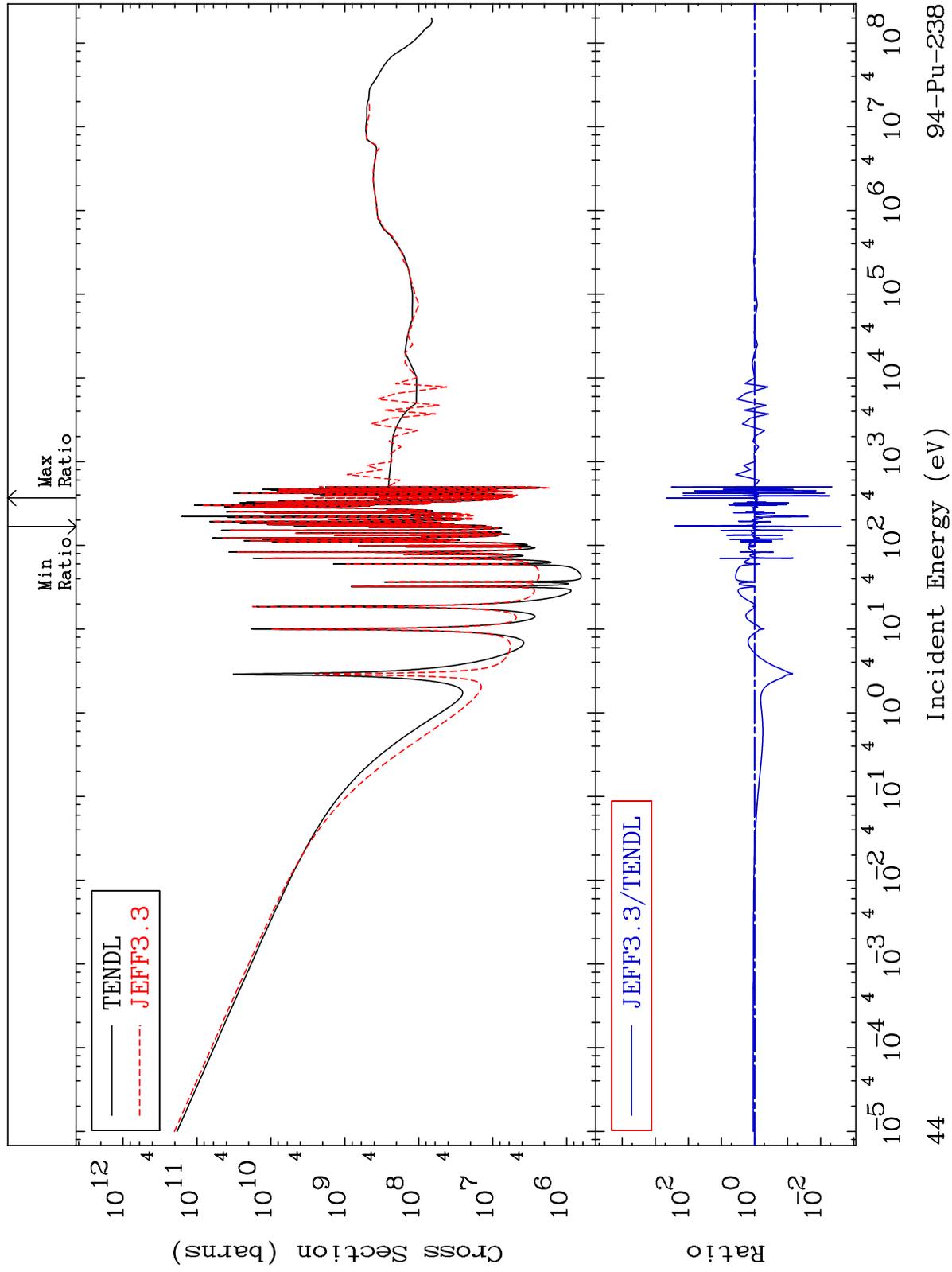
Incident Energy (eV)

94-Pu-238

MAT 9434

Total kinematic kerma (high limit)
Cross Section

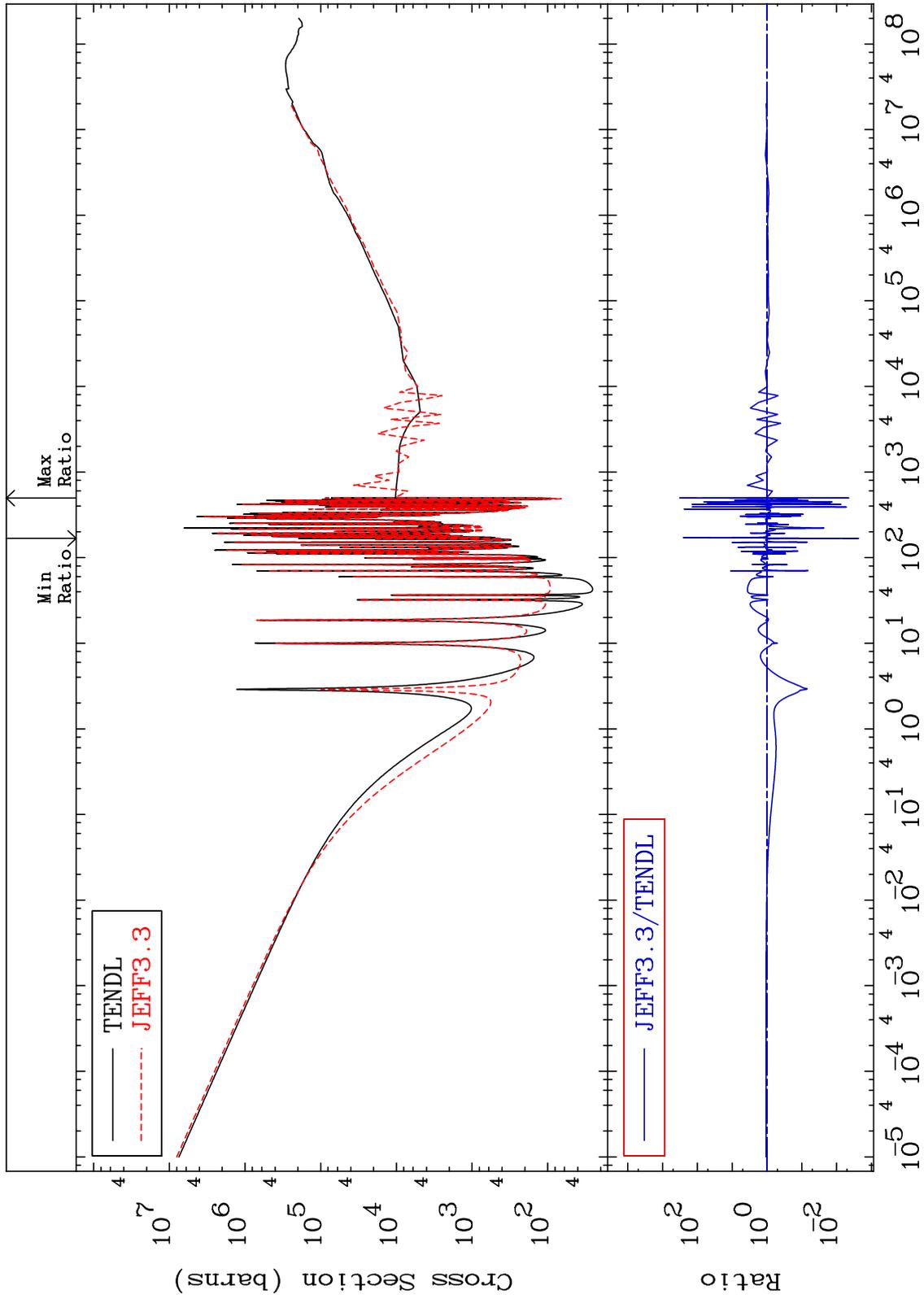
94-Pu-238
-99.76 To 9999. %



MAT 9434

Dpa total (eV-barns)
Cross Section

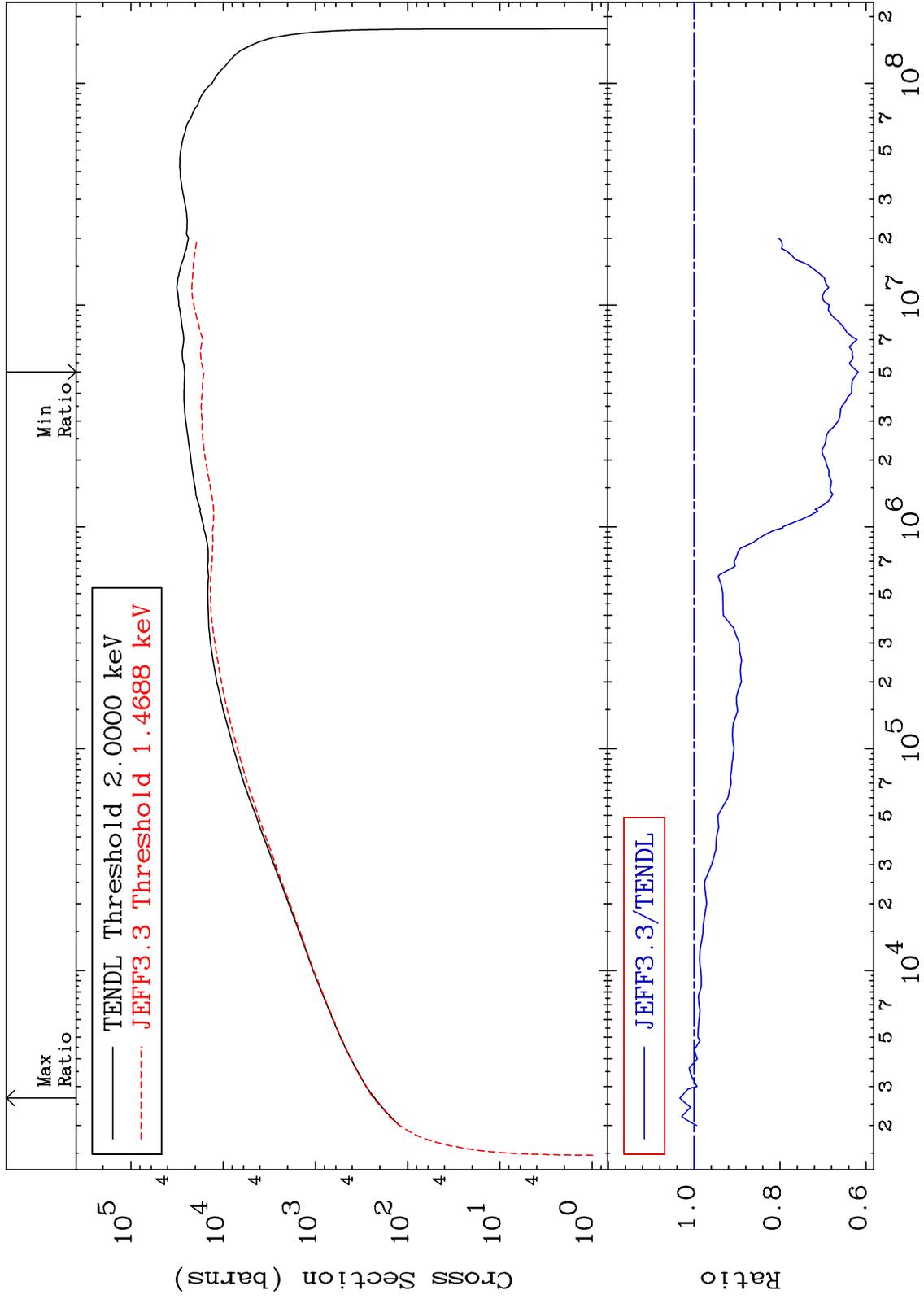
94-Pu-238
-99.76 To 9999. %



MAT 9434

Dpa elastic (mt2)
Cross Section

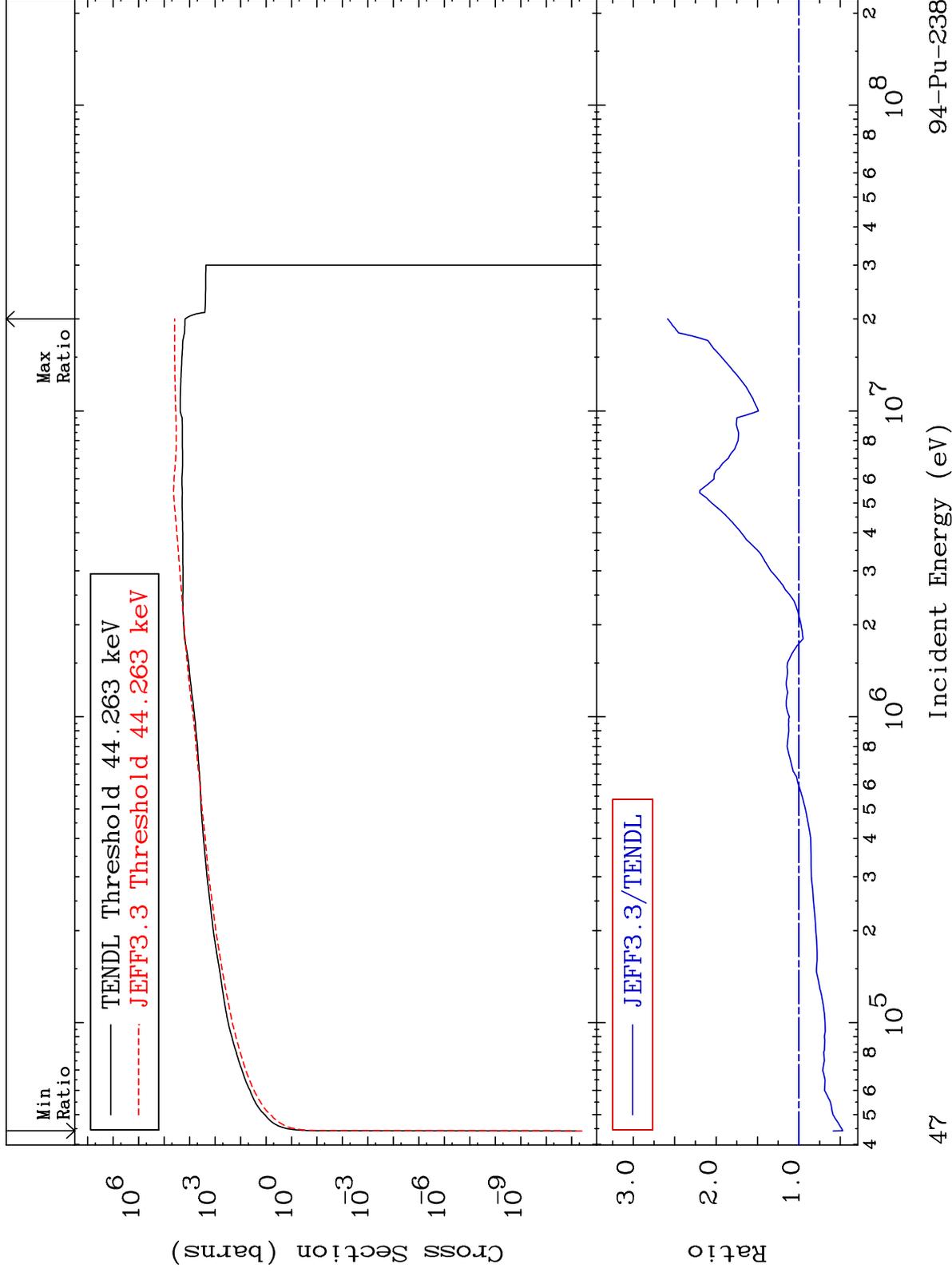
94-Pu-238
-38.24 To 3.312 %



MAT 9434

Dpa inelastic (mt51-91)
Cross Section

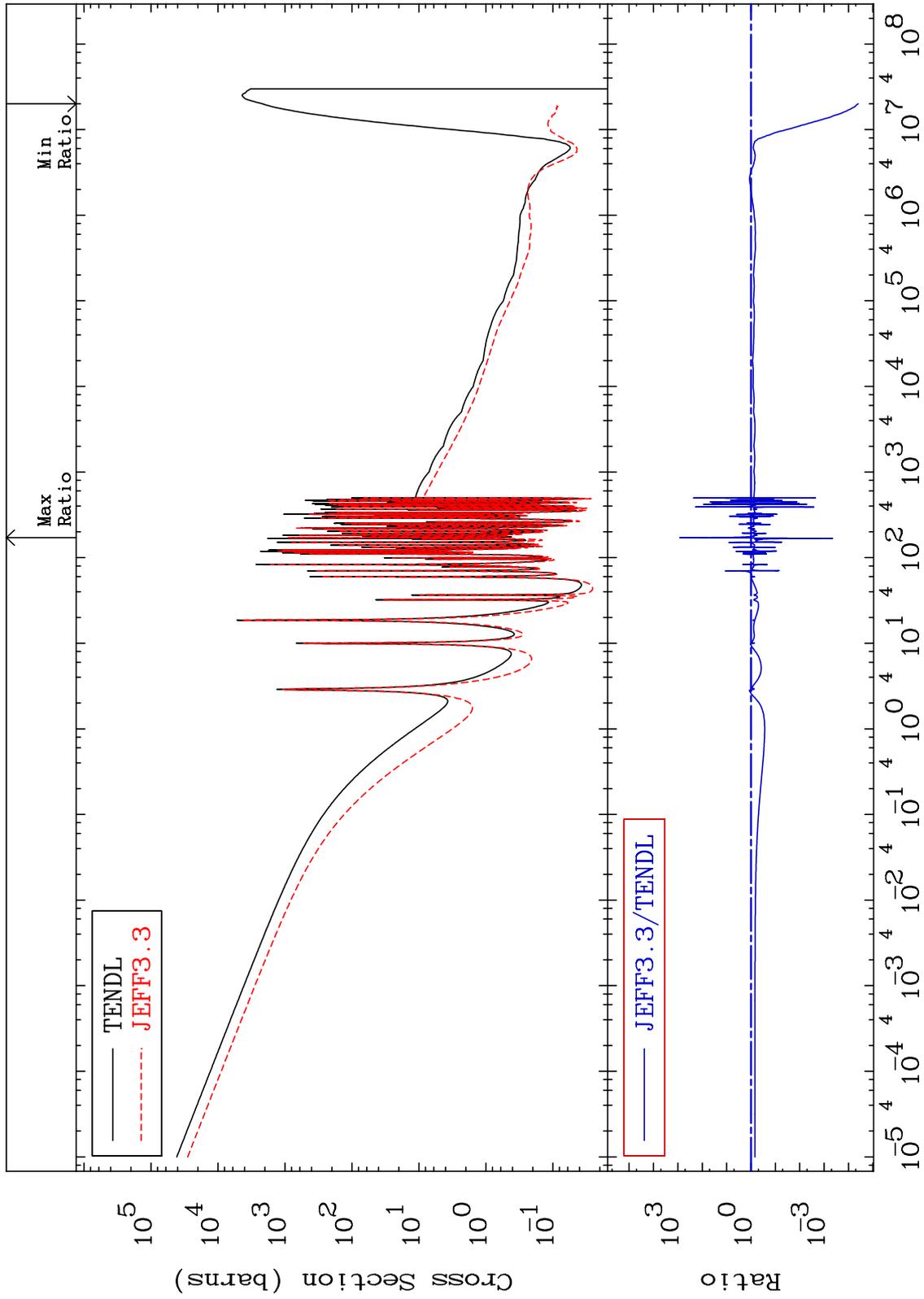
94-Pu-238
-53.13 To 158.5 %



MAT 9434

Dpa disappearance (mt102 -120)
Cross Section

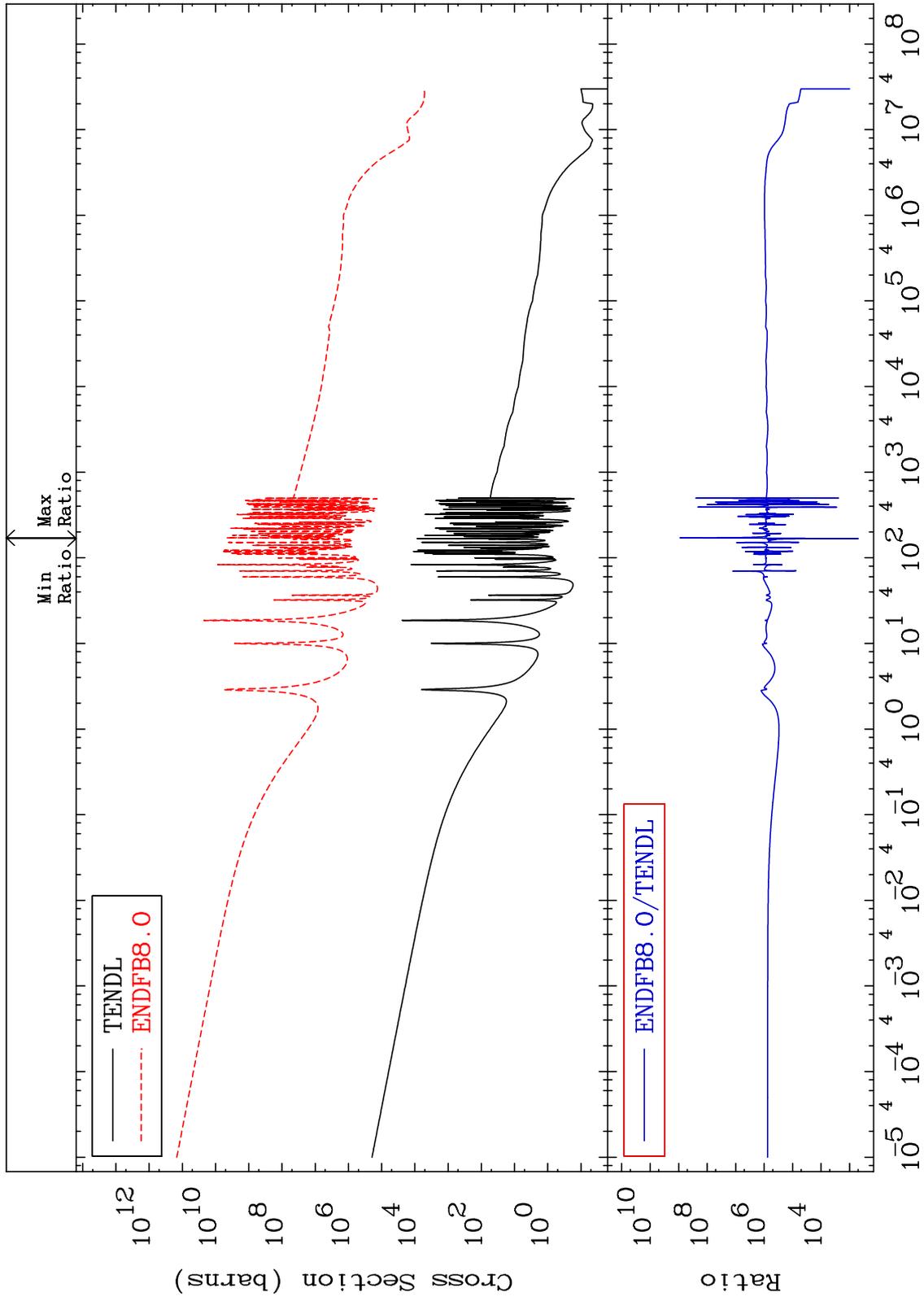
94-Pu-238
-100.0 To 9999. %



MAT 9434

Kerma capture (mt102)
Cross Section

94-Pu-238
9999. To 9999. %



49

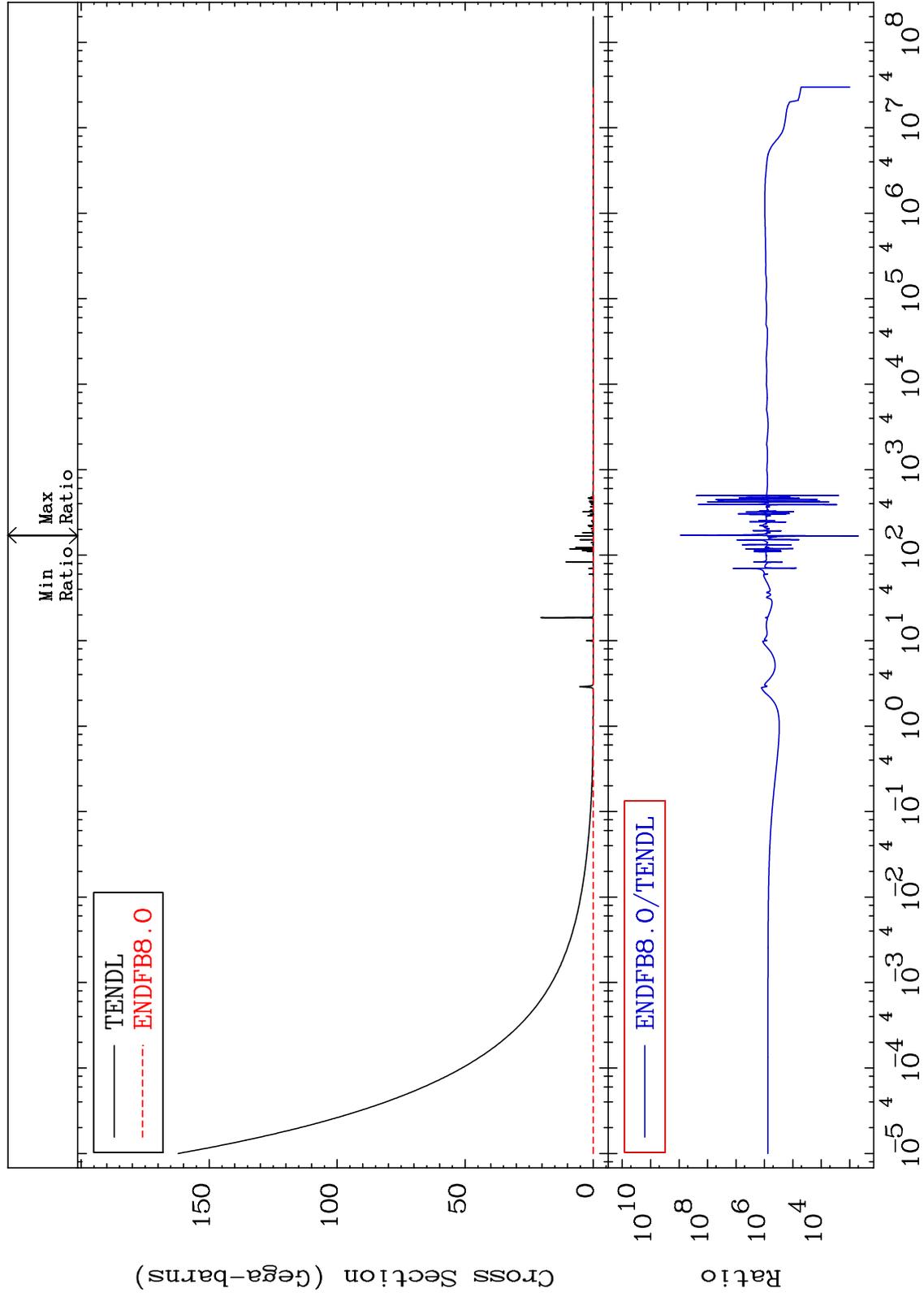
Incident Energy (eV)

94-Pu-238

MAT 9434

Total photon (eV-barns)
Cross Section

94-Pu-238
9999. To 9999. %



50

Incident Energy (eV)

94-Pu-238

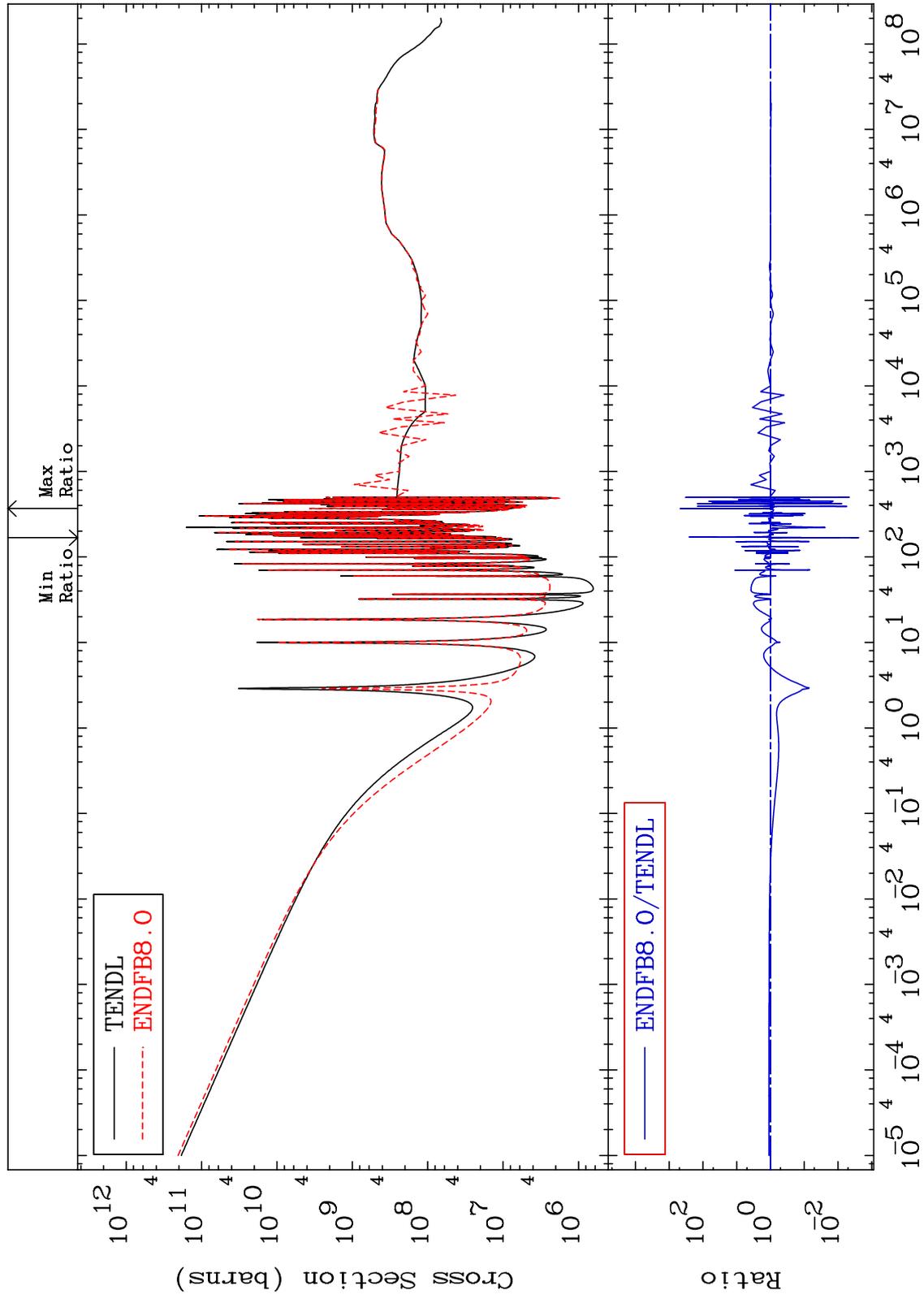
MAT 9434

Total kinematic kerma (high limit)

94-Pu-238

-99.75 To 9999. %

Cross Section



51

Incident Energy (eV)

94-Pu-238

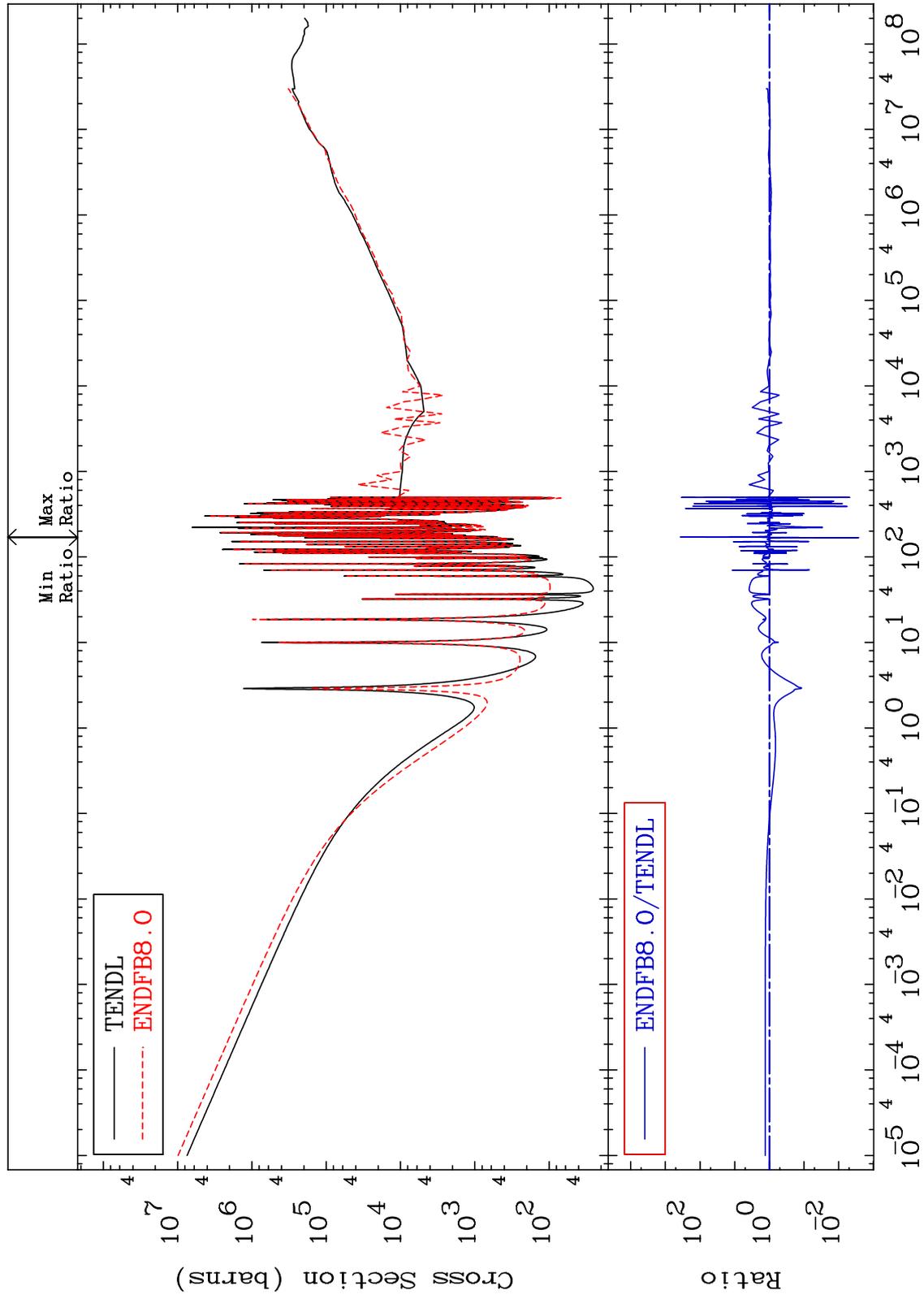
MAT 9434

Dpa total (eV-barns)

94-Pu-238

-99.73 To 9999. %

Cross Section



52

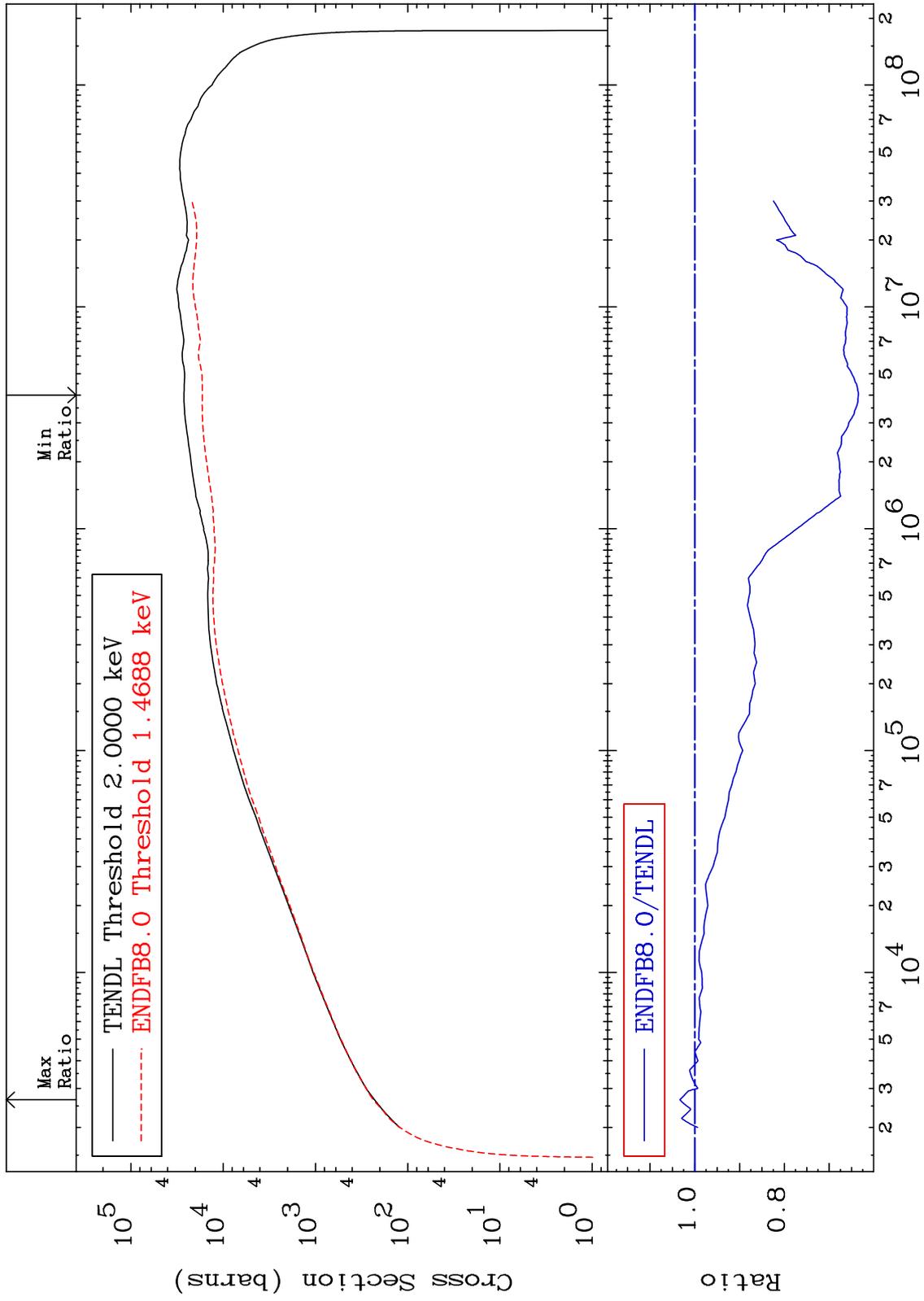
Incident Energy (eV)

94-Pu-238

MAT 9434

Dpa elastic (mt2)
Cross Section

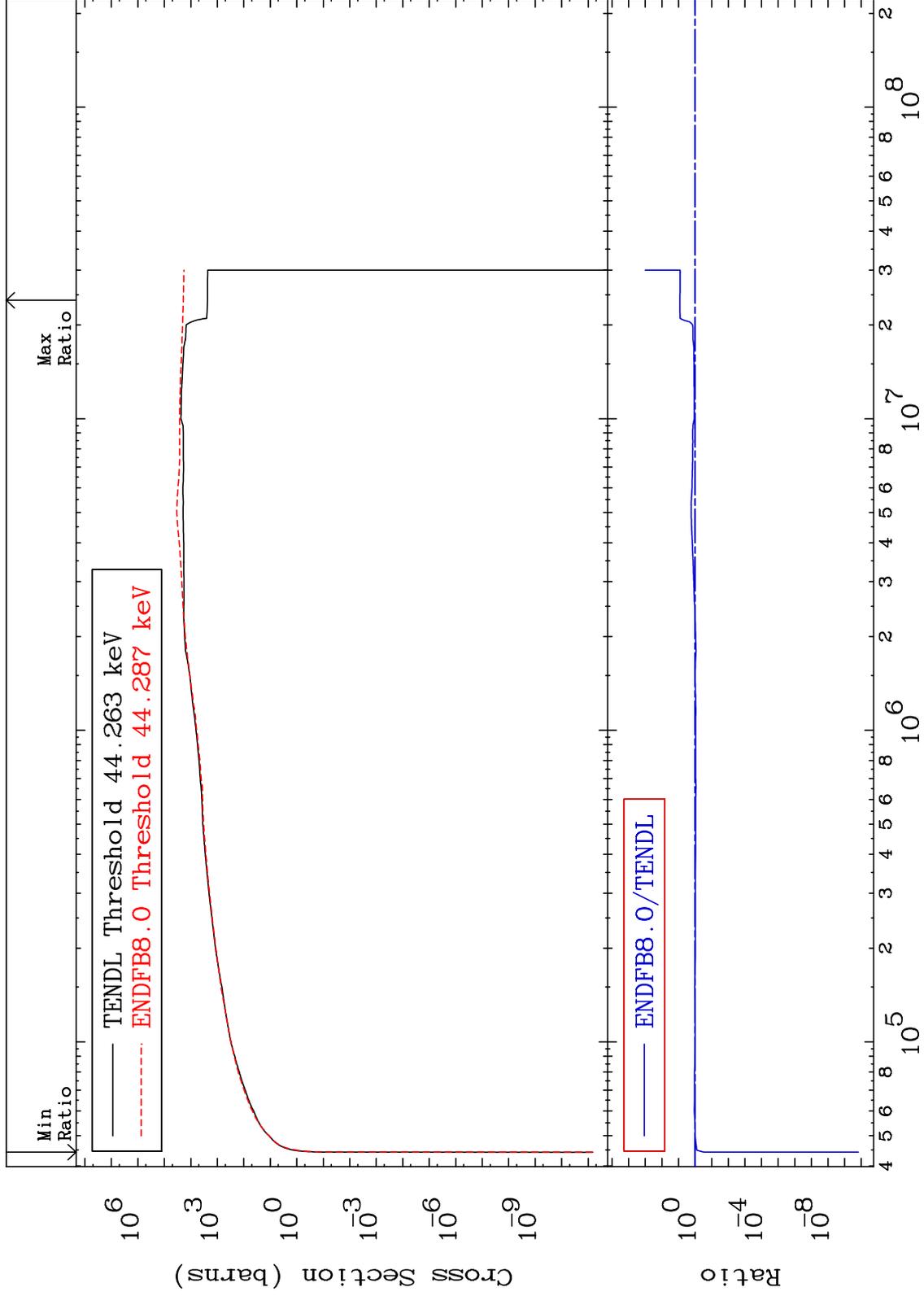
94-Pu-238
-36.51 To 3.308 %



MAT 9434

Dpa inelastic (mt51-91)
Cross Section

94-Pu-238
-100.0 To 719.1 %



MAT 9434

Dpa disappearance (mt102 -120)
Cross Section

94-Pu-238
-99.69 To 9999. %

