

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

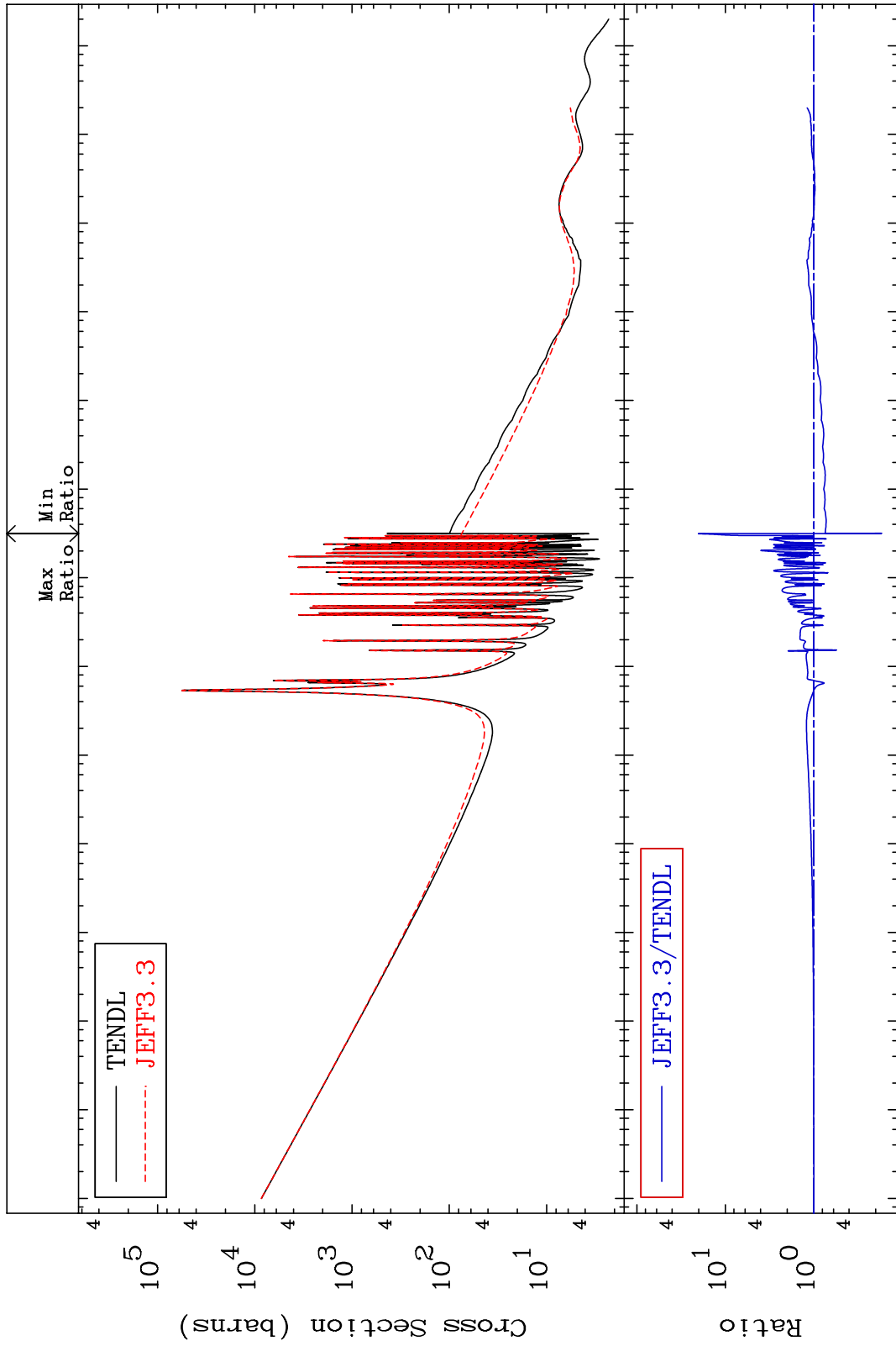
MAT 6149

Total

61-Pm-147

Cross Section

-82.83 To 1921. %



TENDL
JEFF3.3

JEFF3.3/TENDL

1

Incident Energy (eV)

61-Pm-147

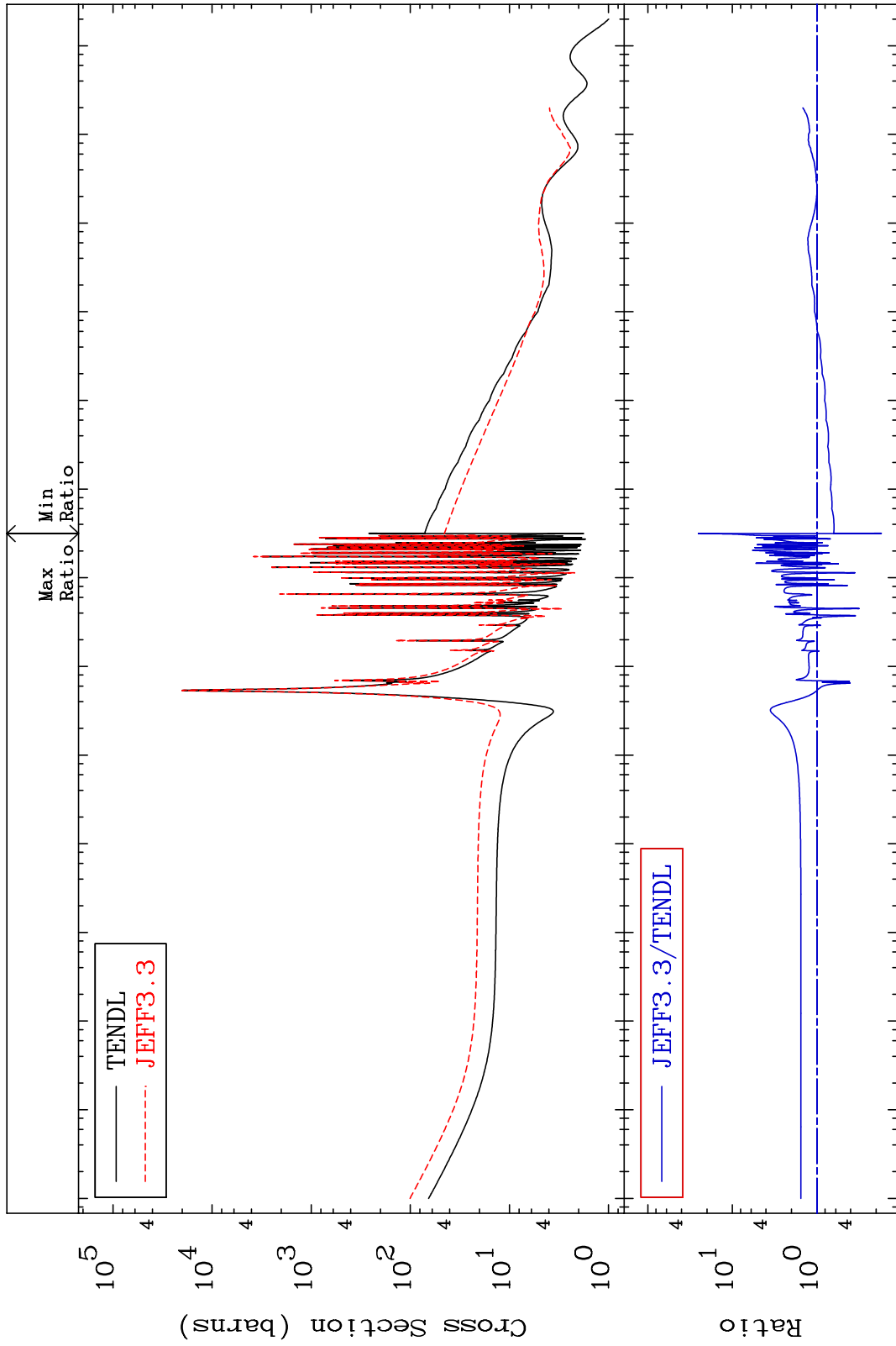
MAT 6149

Elastic

61-Pm-147

Cross Section

-82.78 To 2425. %



2

Incident Energy (eV)

61-Pm-147

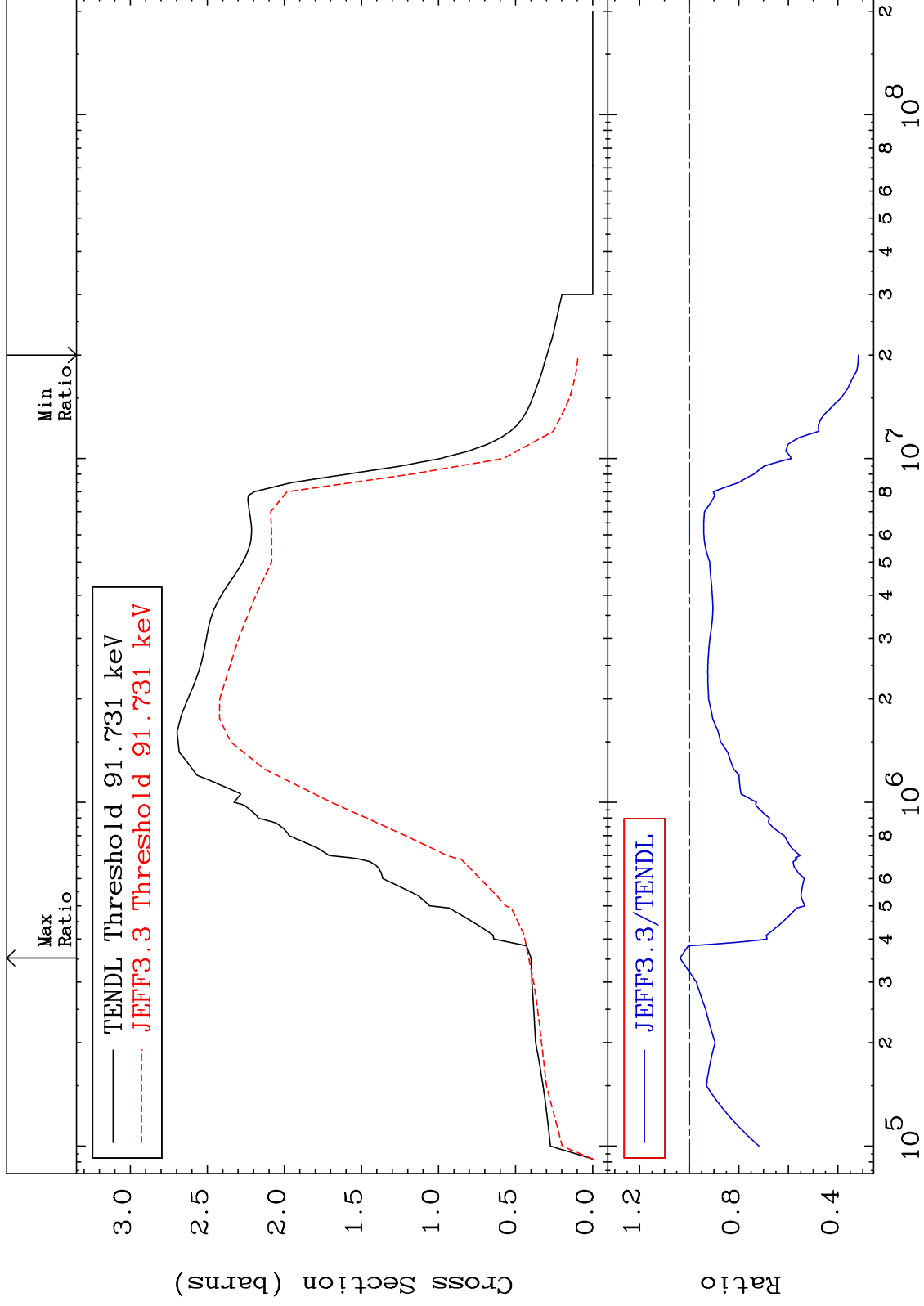
MAT 6149

Inelastic

61-Pm-147

Cross Section

-68.27 To 3.688 %



61-Pm-147

61-Pm-147

3

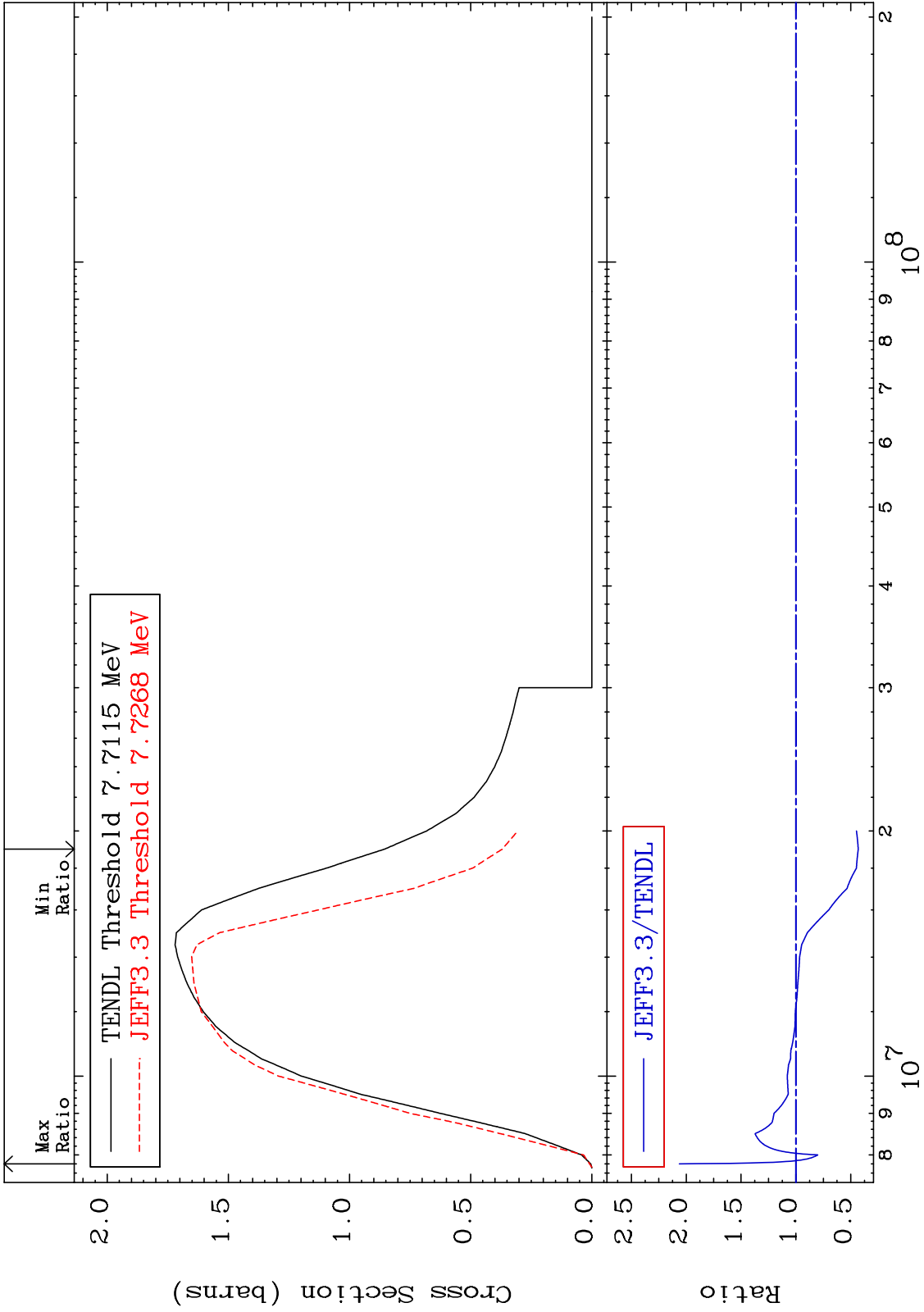
MAT 6149

(n,2n)

61-Pm-147

Cross Section

-56.80 To 106.3 %



4

Incident Energy (eV)

61-Pm-147

MAT 6149

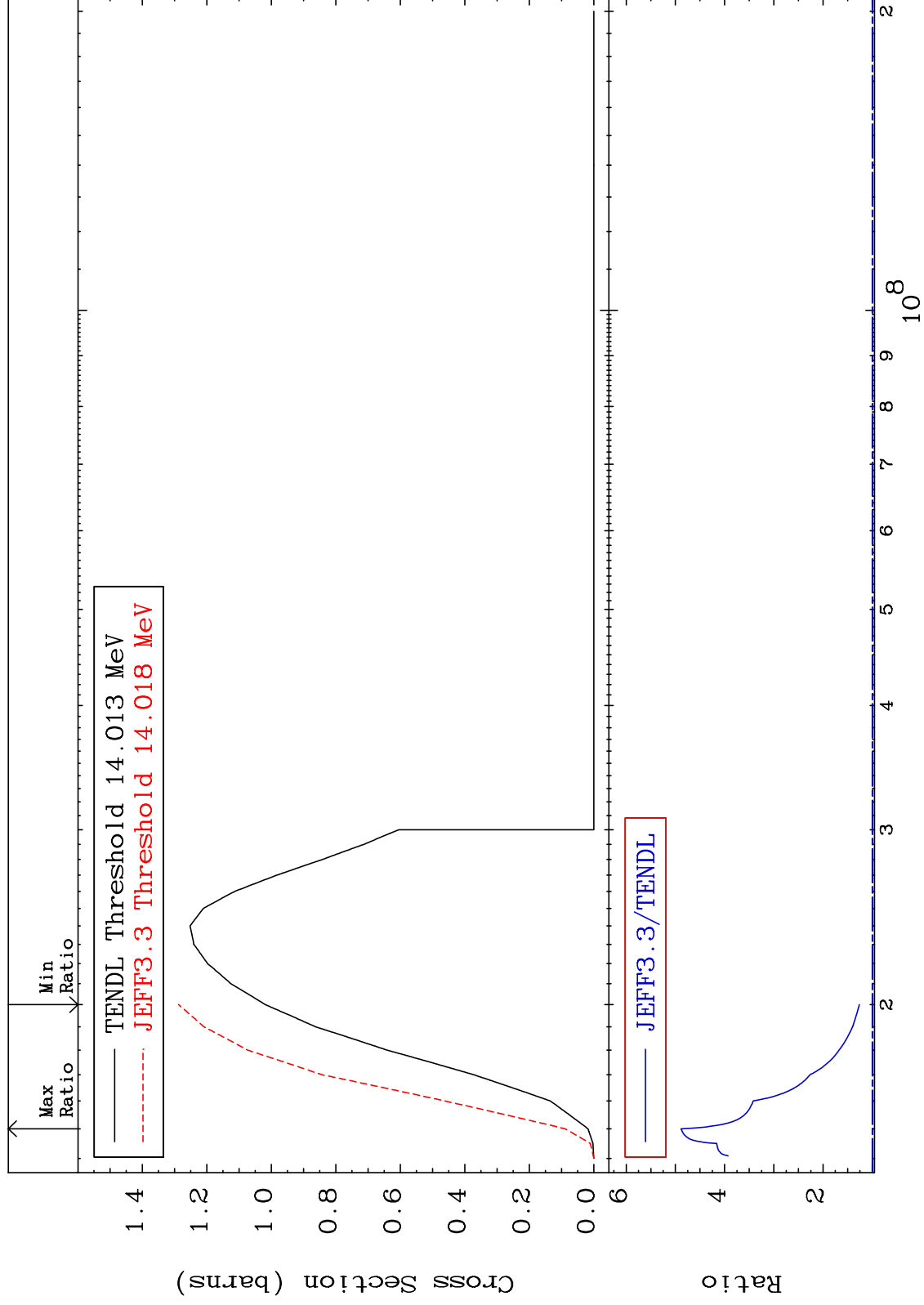
(n,3n)

61-Pm-147

Cross Section

26.39

To 388.6 %



61-Pm-147

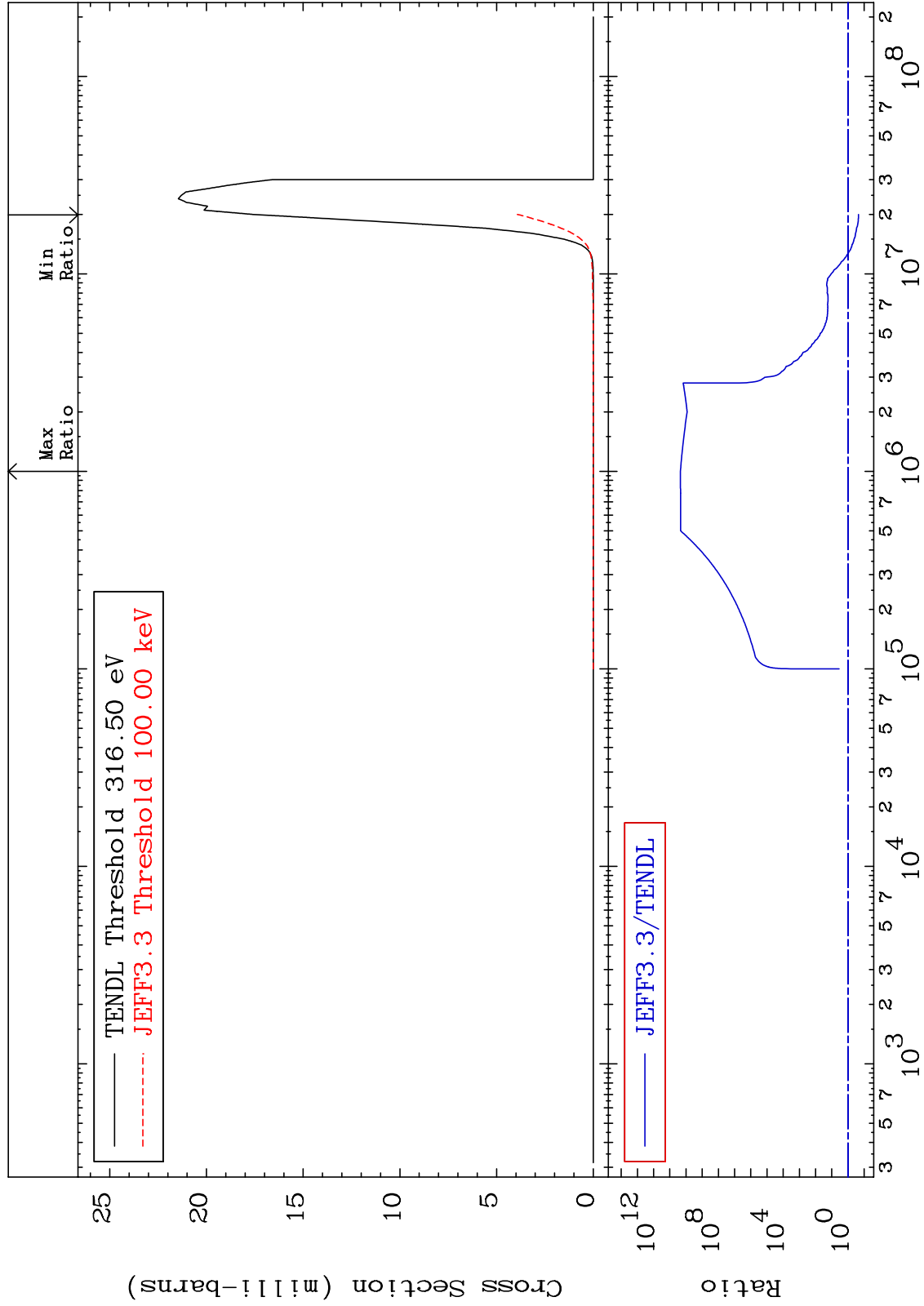
5

MAT 6149

(n, n') α

61-Pm-147

Cross Section -77.71 To 9999. %



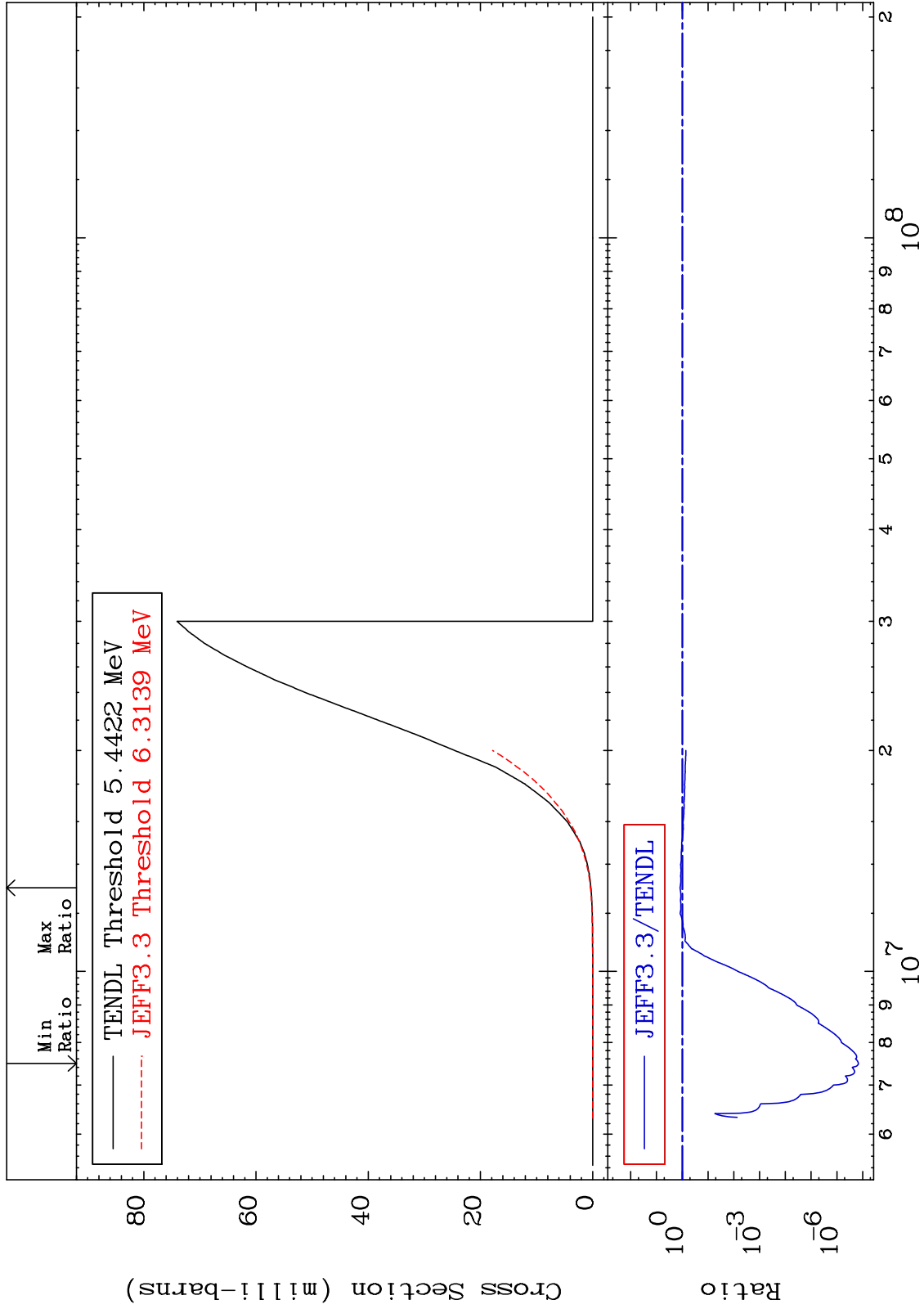
MAT 6149

(n, n') p

61-Pm-147

Cross Section

-100.0 To 22.24 %



7

Incident Energy (eV)

61-Pm-147

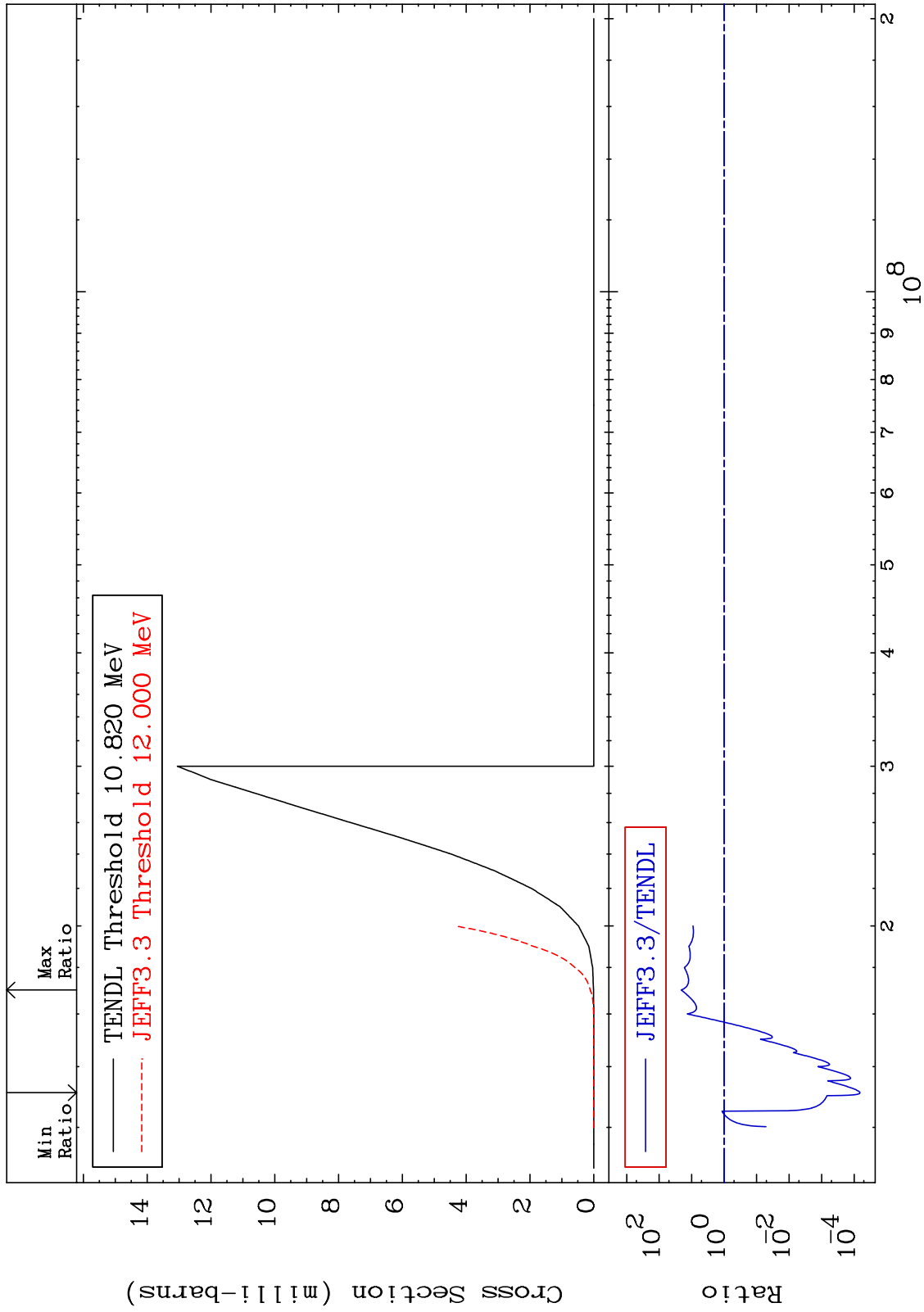
MAT 6149

(n,n') d

61-Pm-147

Cross Section

-99.99 To 1996. %



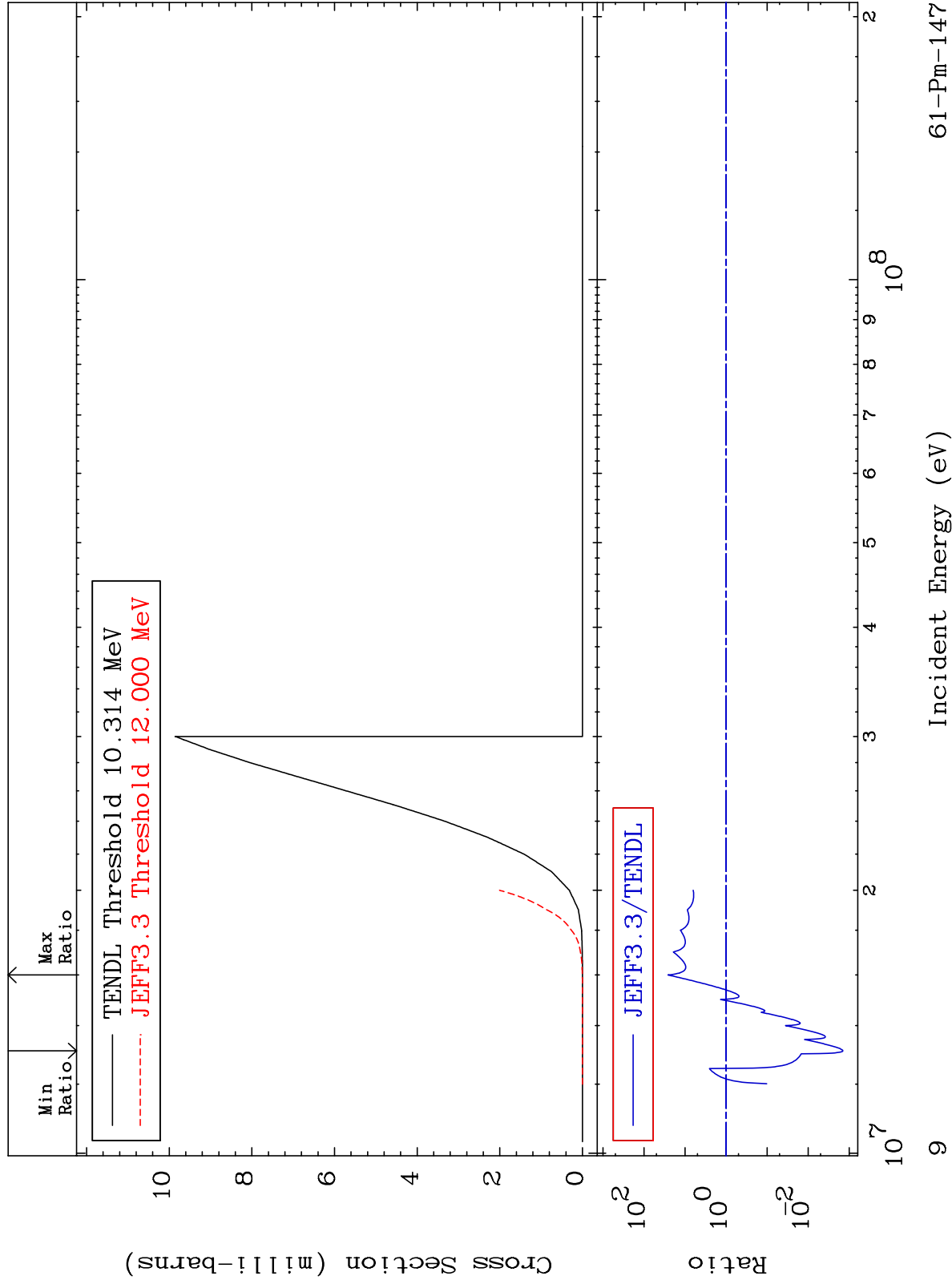
MAT 6149

(n,n') t

61-Pm-147

Cross Section

-99.86 To 2506. %



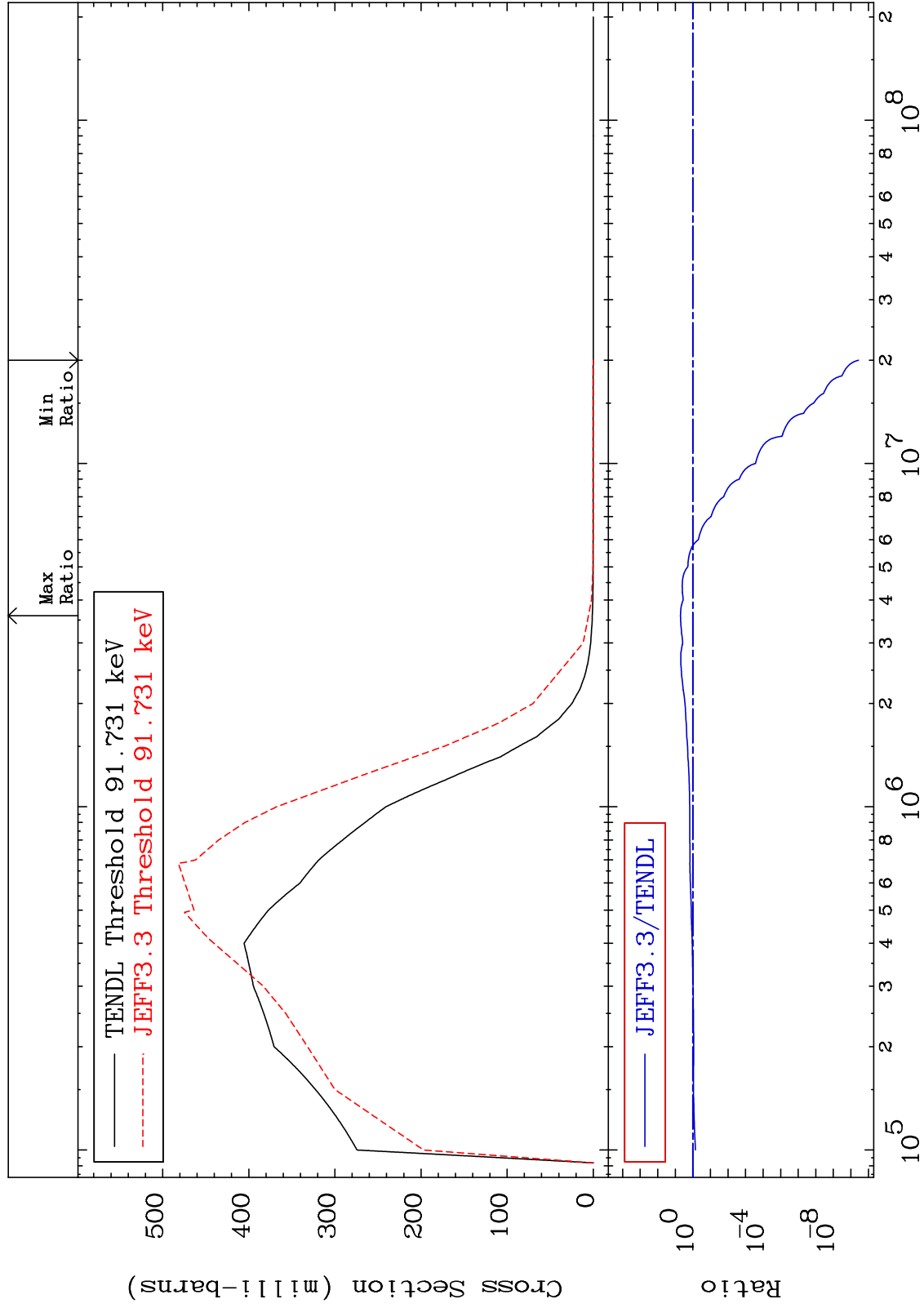
MAT 6149

MT= 51 (n, n') Level

61-Pm-147

-100.0 To 410.1 %

Cross Section



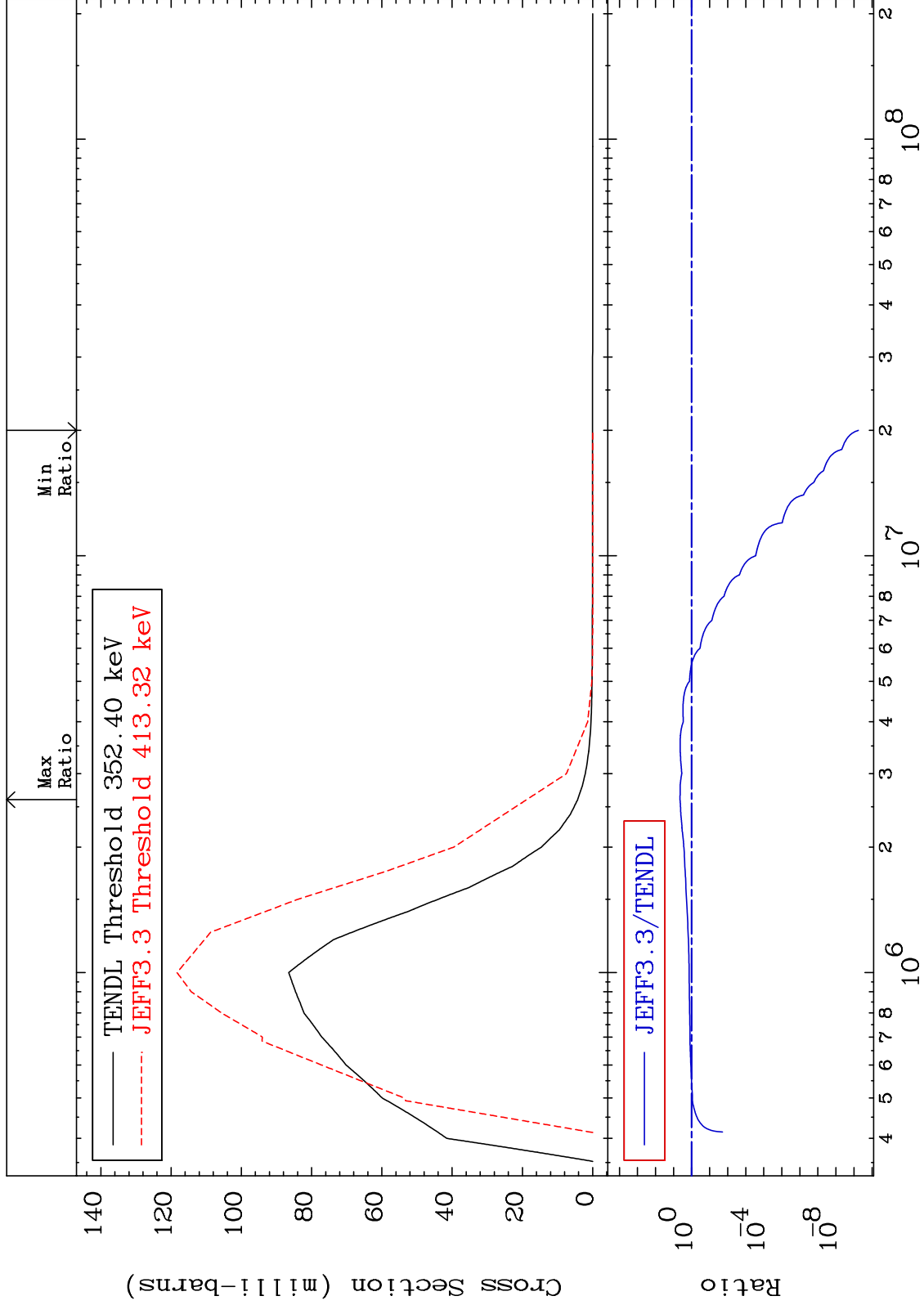
Incident Energy (eV)

61-Pm-147

MAT 6149

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

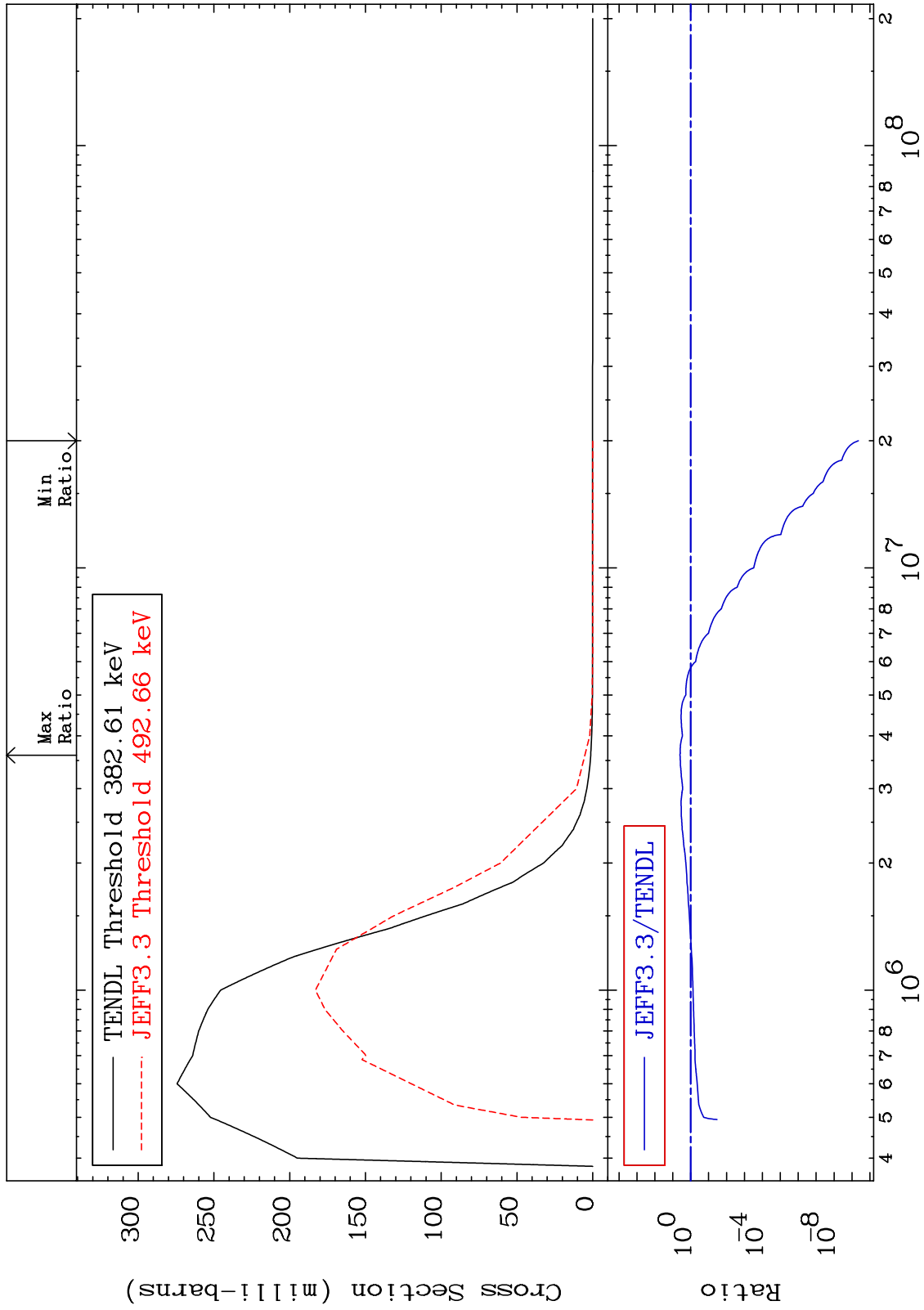
61-Pm-147
-100.0 To 339.5 %



MAT 6149

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

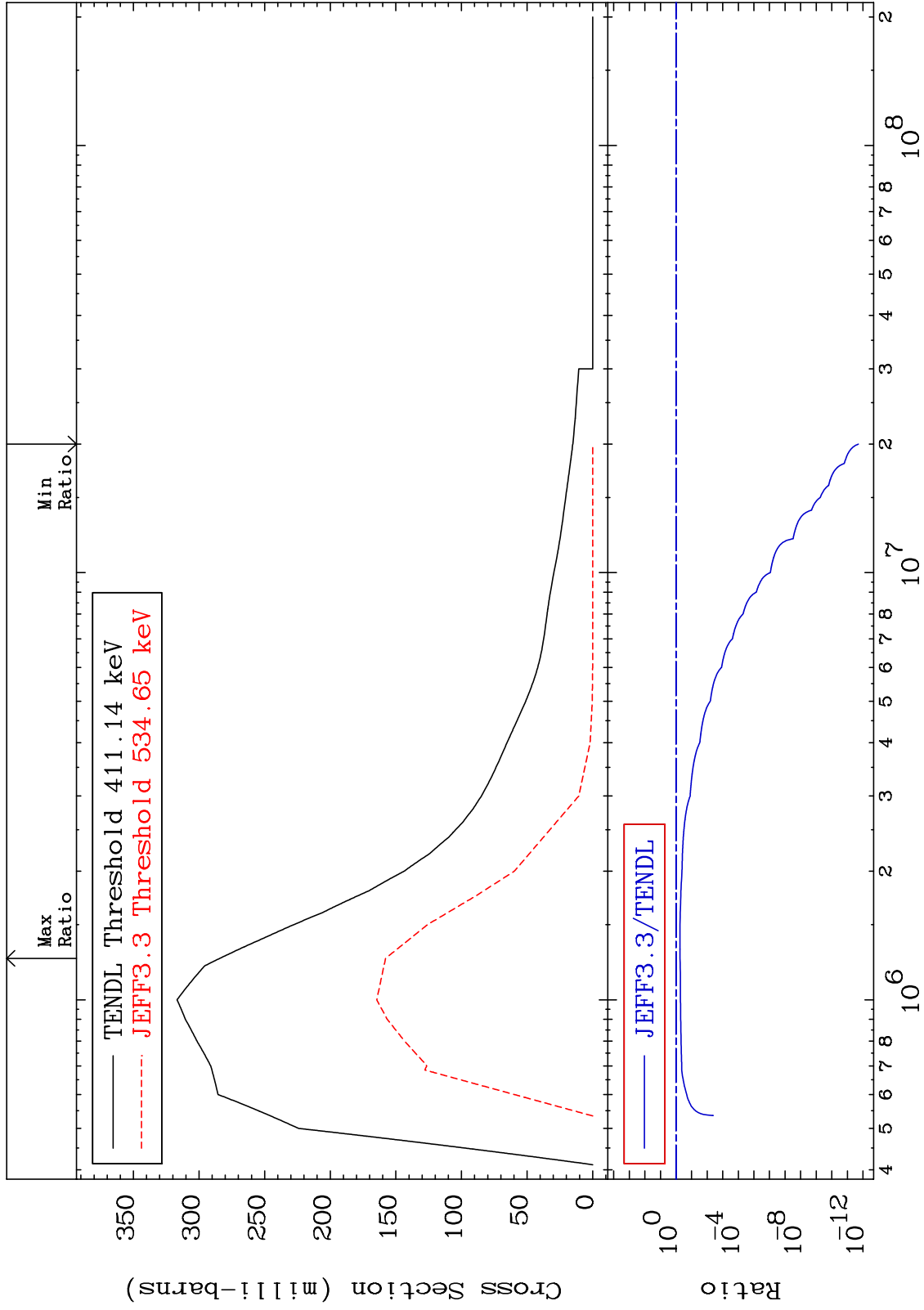
61-Pm-147
-100.0 To 293.7 %



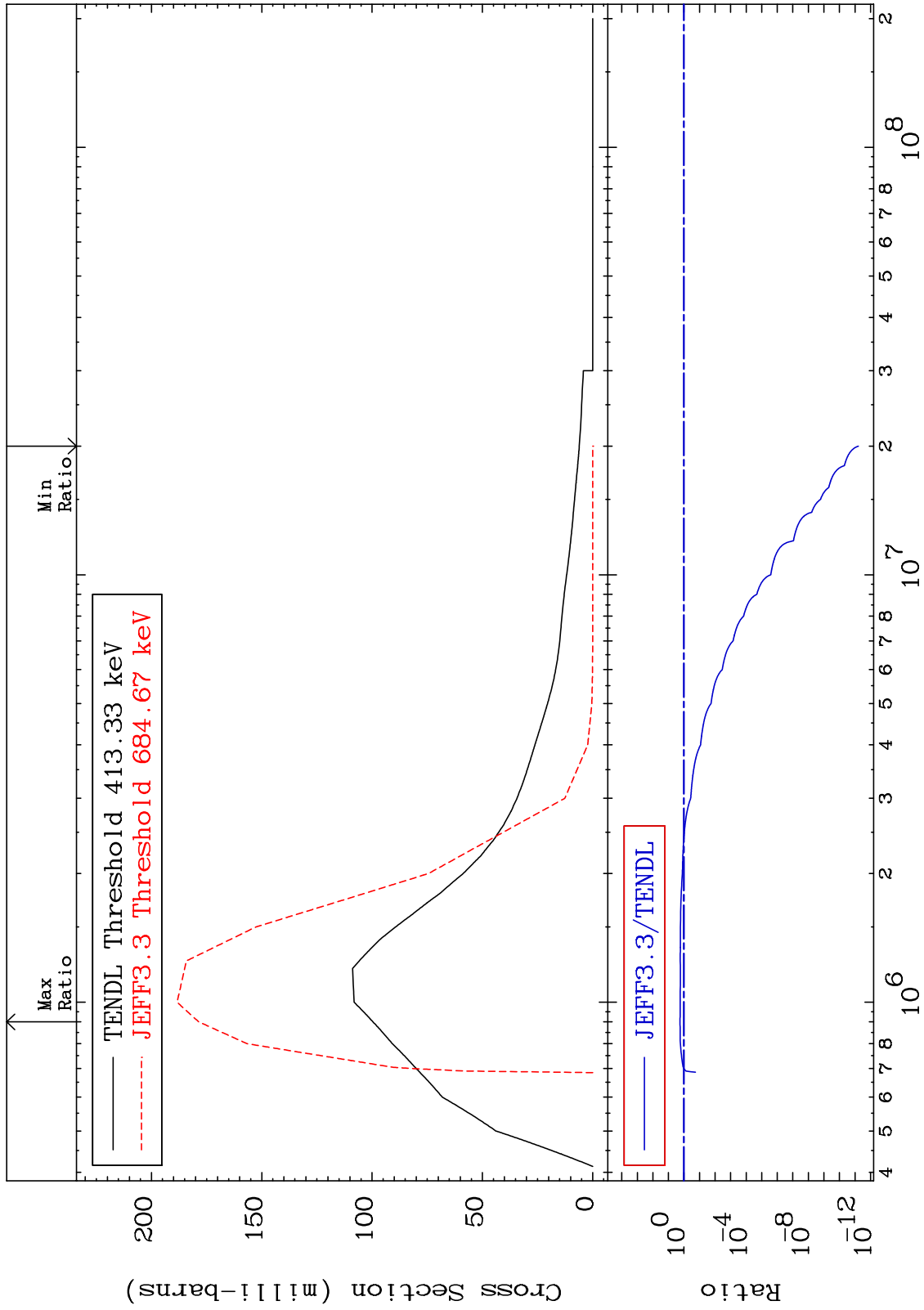
MAT 6149

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

61-Pm-147
-100.0 To -44.47%



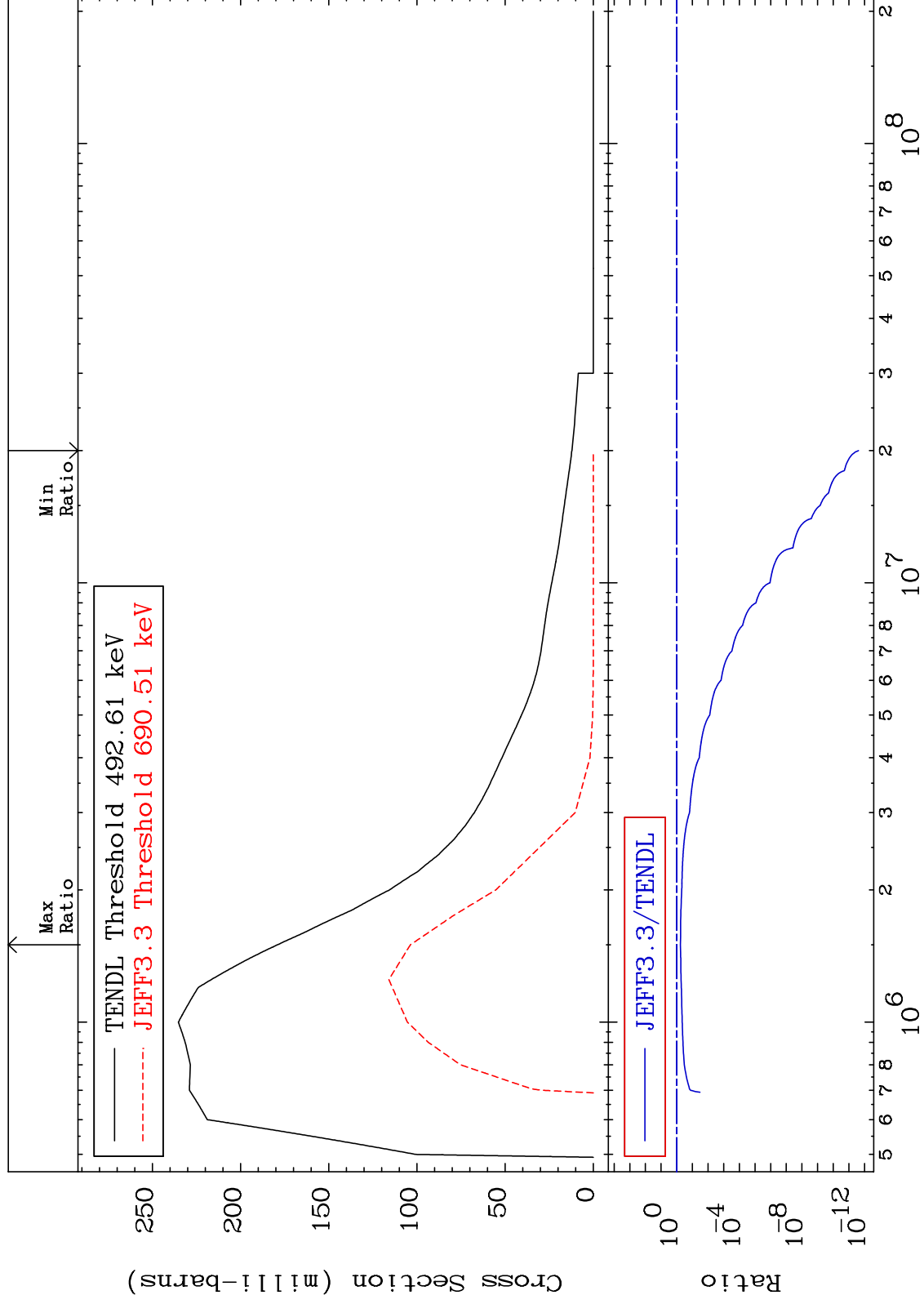
MAT 6149 MT= 55 (n,n') Level 61-Pm-147
 Cross Section -100.0 To 79.30 %



MAT 6149

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

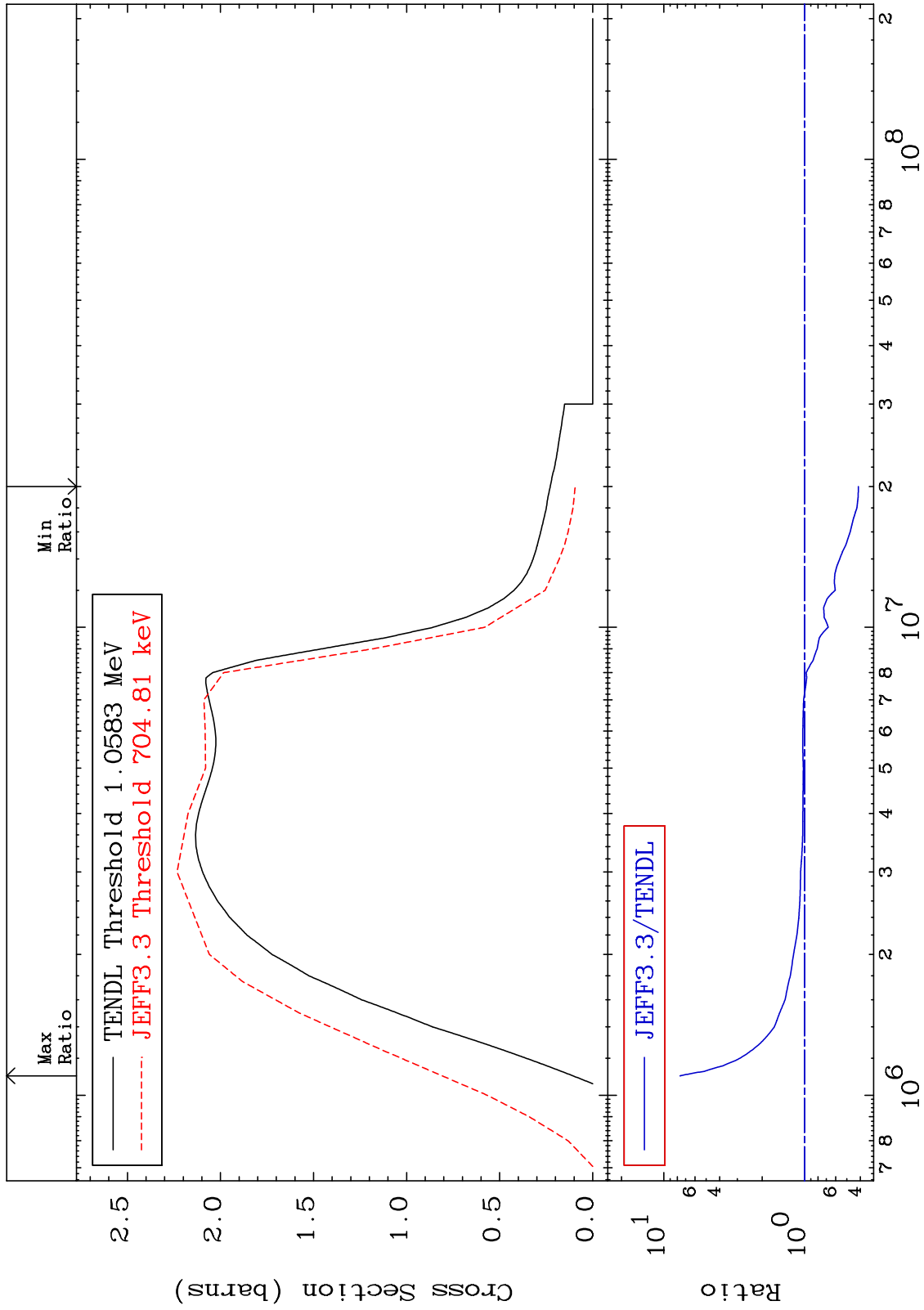
61-Pm-147
-100.0 To -42.11%



MAT 6149

(n, n') Continuum
Cross Section

61-Pm-147
-58.68 To 666.4 %



16

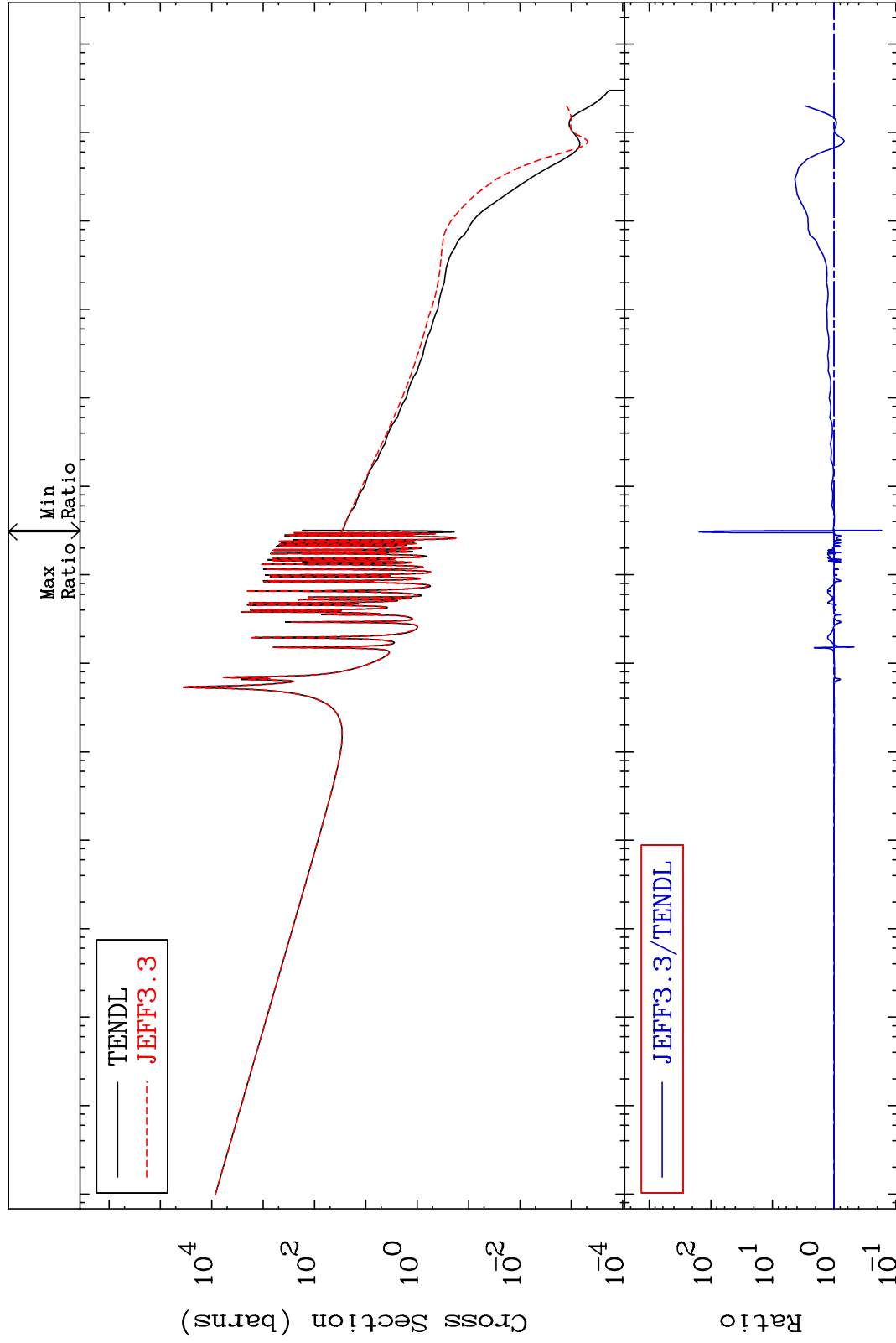
Incident Energy (eV)

61-Pm-147

MAT 6149

(n, γ)
Cross Section

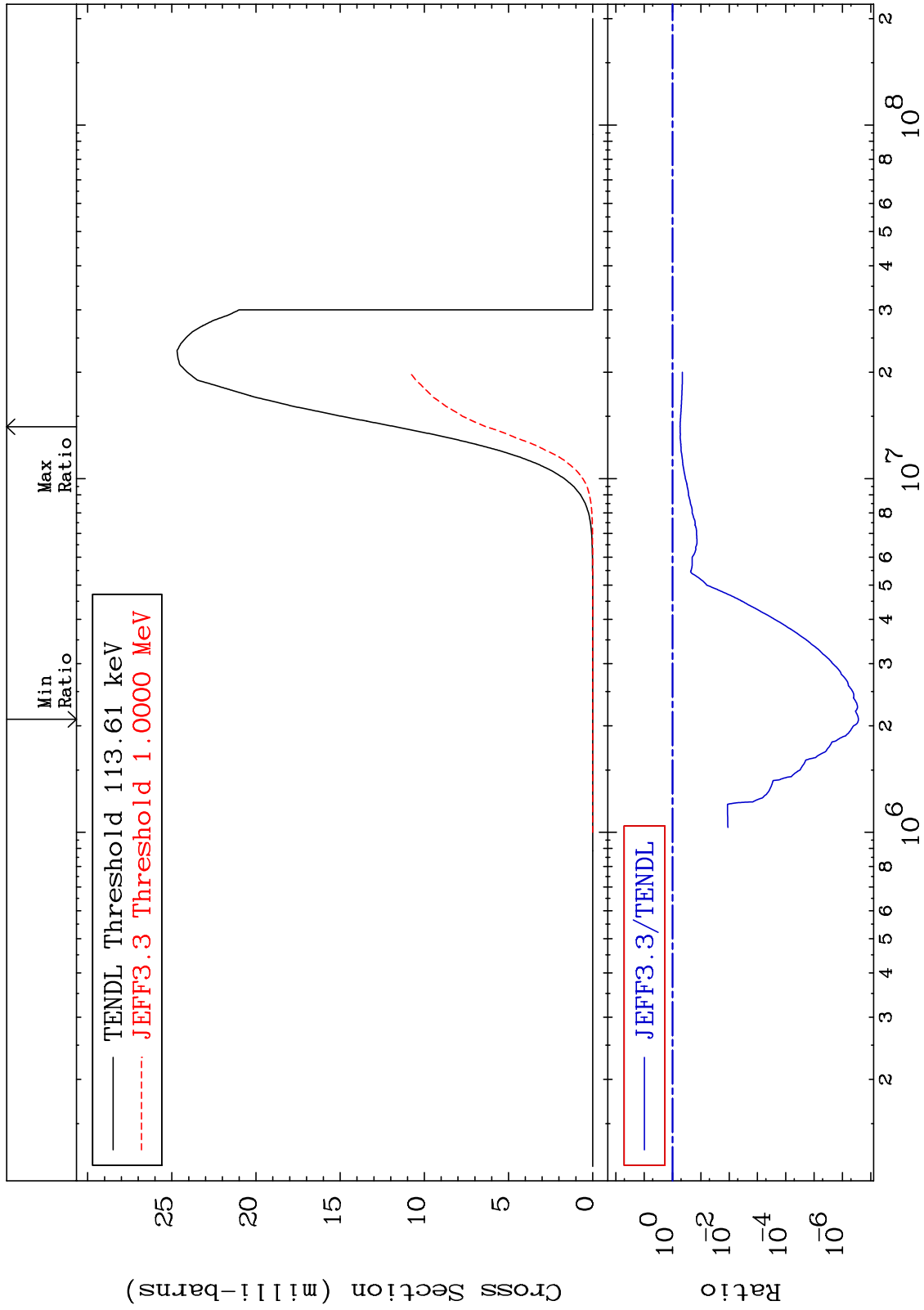
61-Pm-147
-82.96 To 9999. %



61-Pm-147

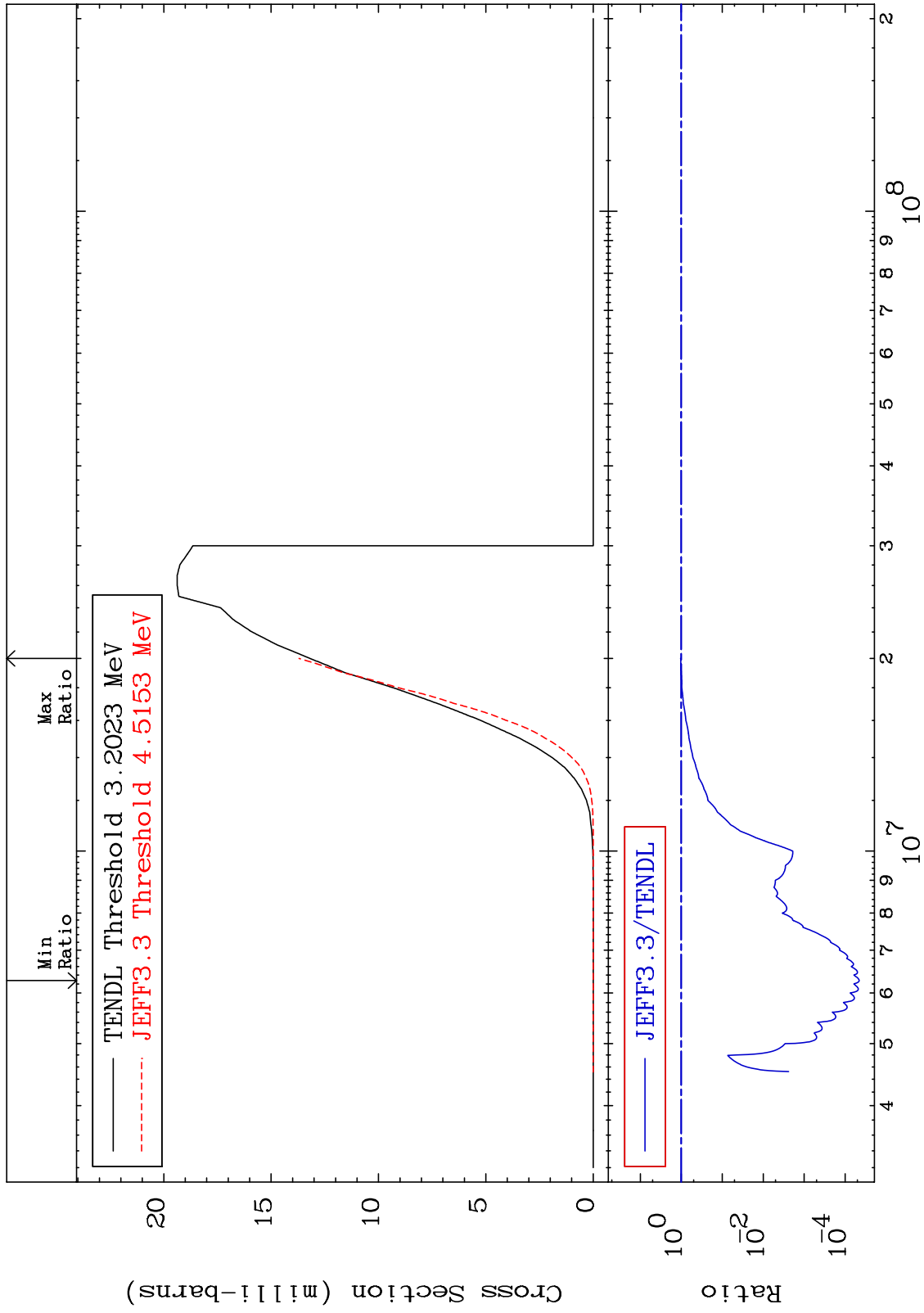
MAT 6149

(n,p)
Cross Section
61-Pm-147
-100.0 To -45.78%



MAT 6149

(n, d) Cross Section
61-Pm-147
-100.0 To 3.873 %



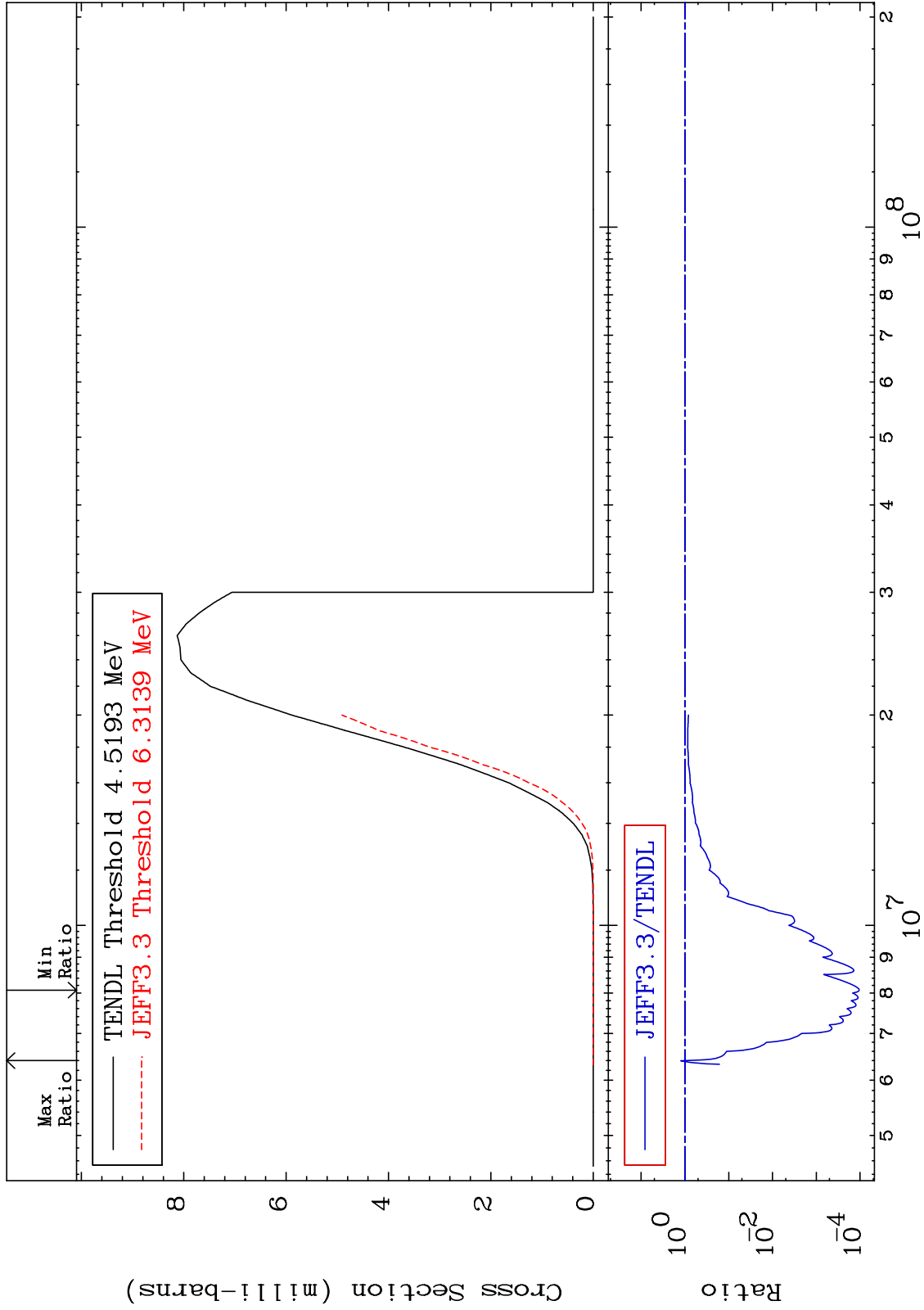
MAT 6149

(n, t)

61-Pm-147

Cross Section

-99.99 To 25.24 %



20

61-Pm-147

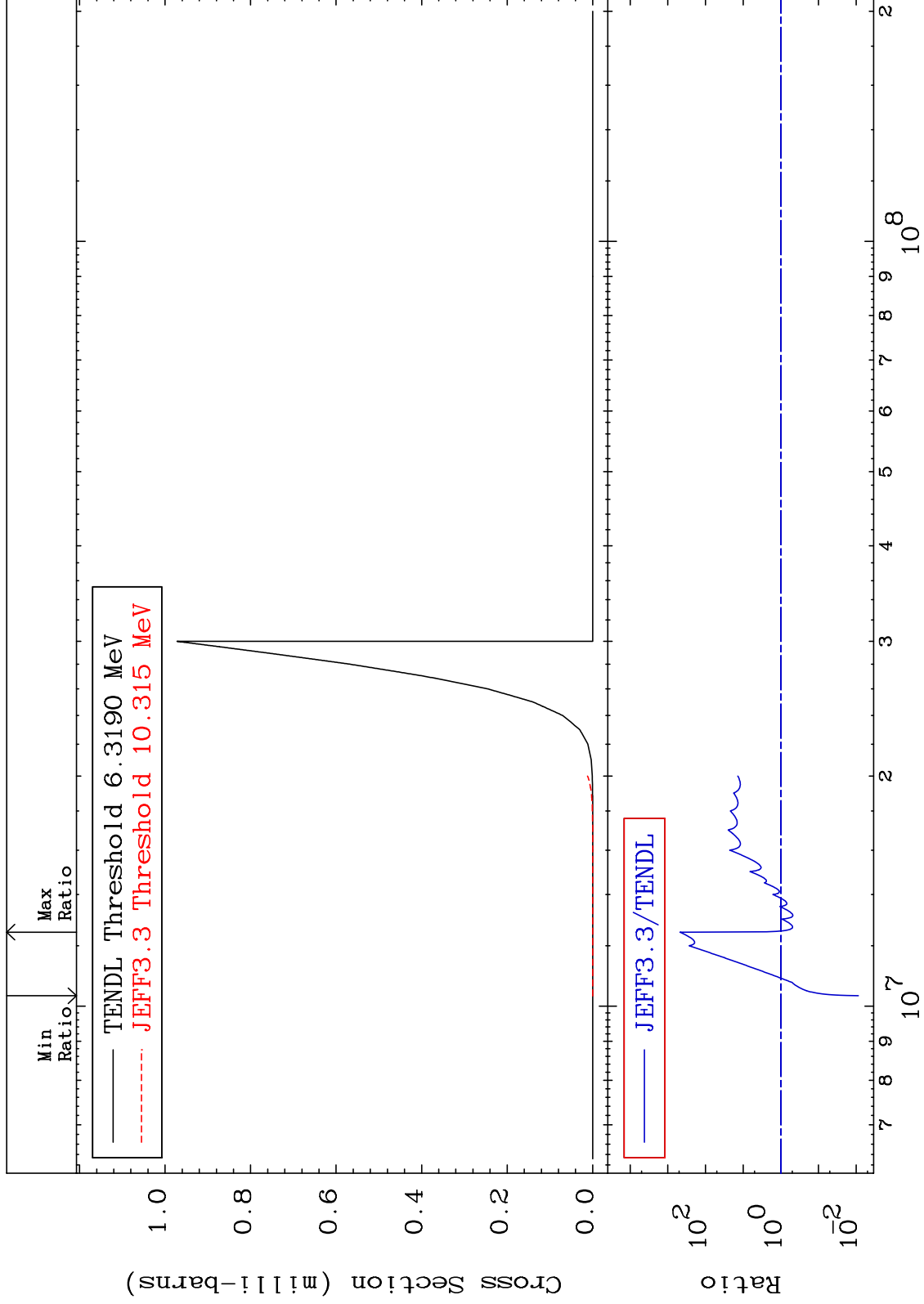
MAT 6149

(n, He-3)

61-Pm-147

Cross Section

-99.13 To 9999. %



21

61-Pm-147

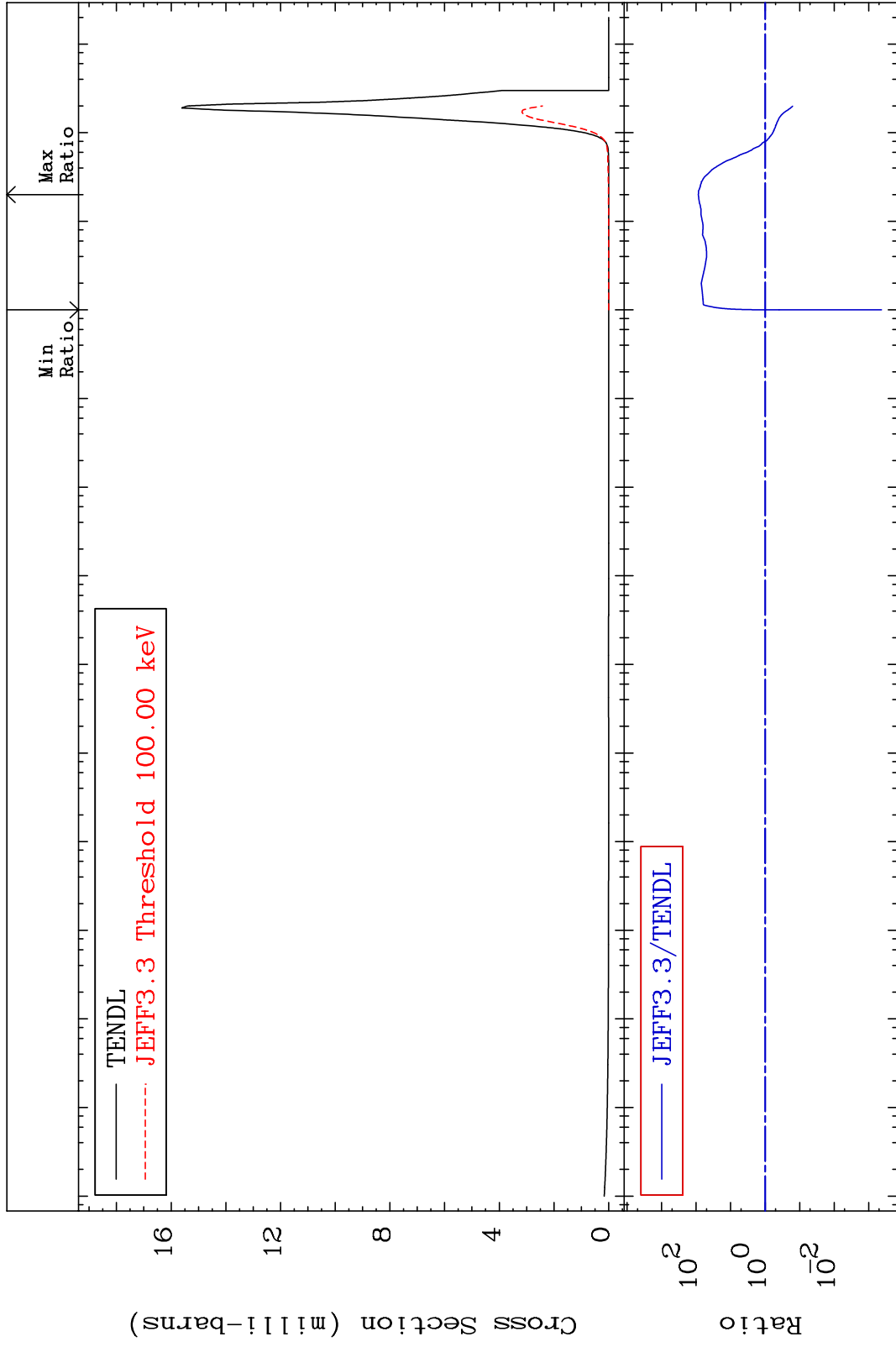
MAT 6149

(n, α)

61-Pm-147

Cross Section

-99.96 To 8526. %



22

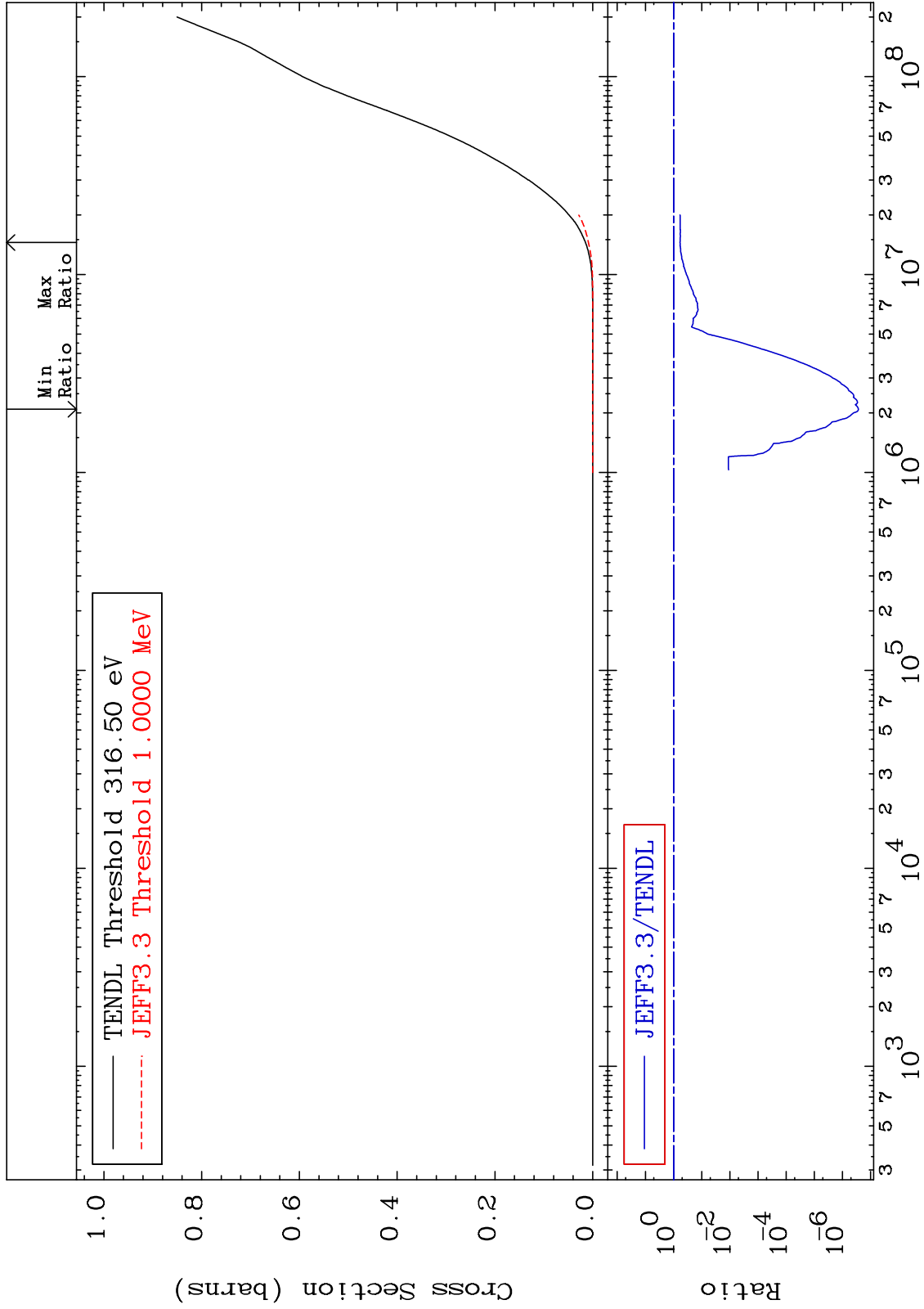
Incident Energy (eV)

61-Pm-147

MAT 6149

Hydrogen Production
Cross Section

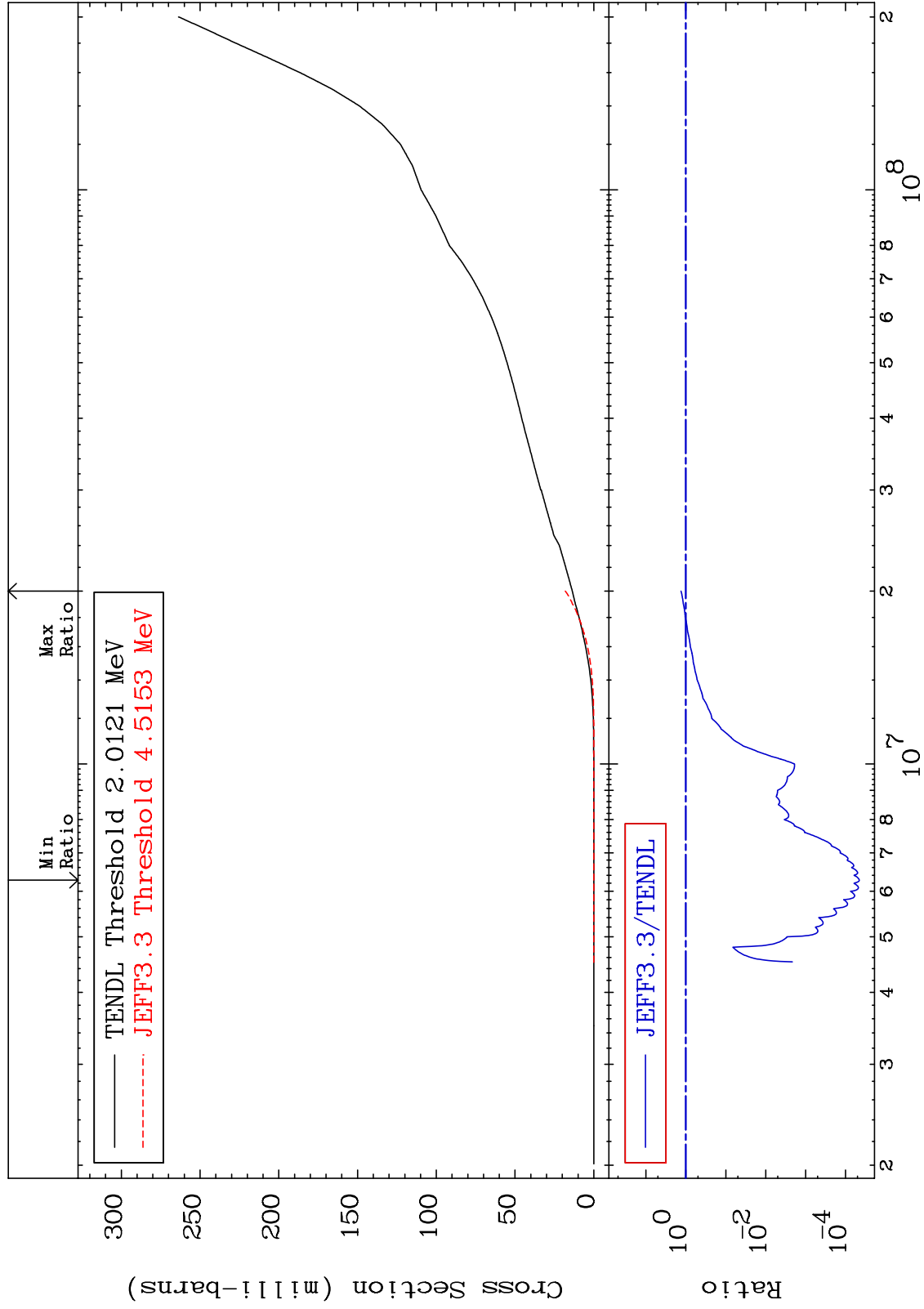
61-Pm-147
-100.0 To -41.08%



MAT 6149

Deuterium Production
Cross Section

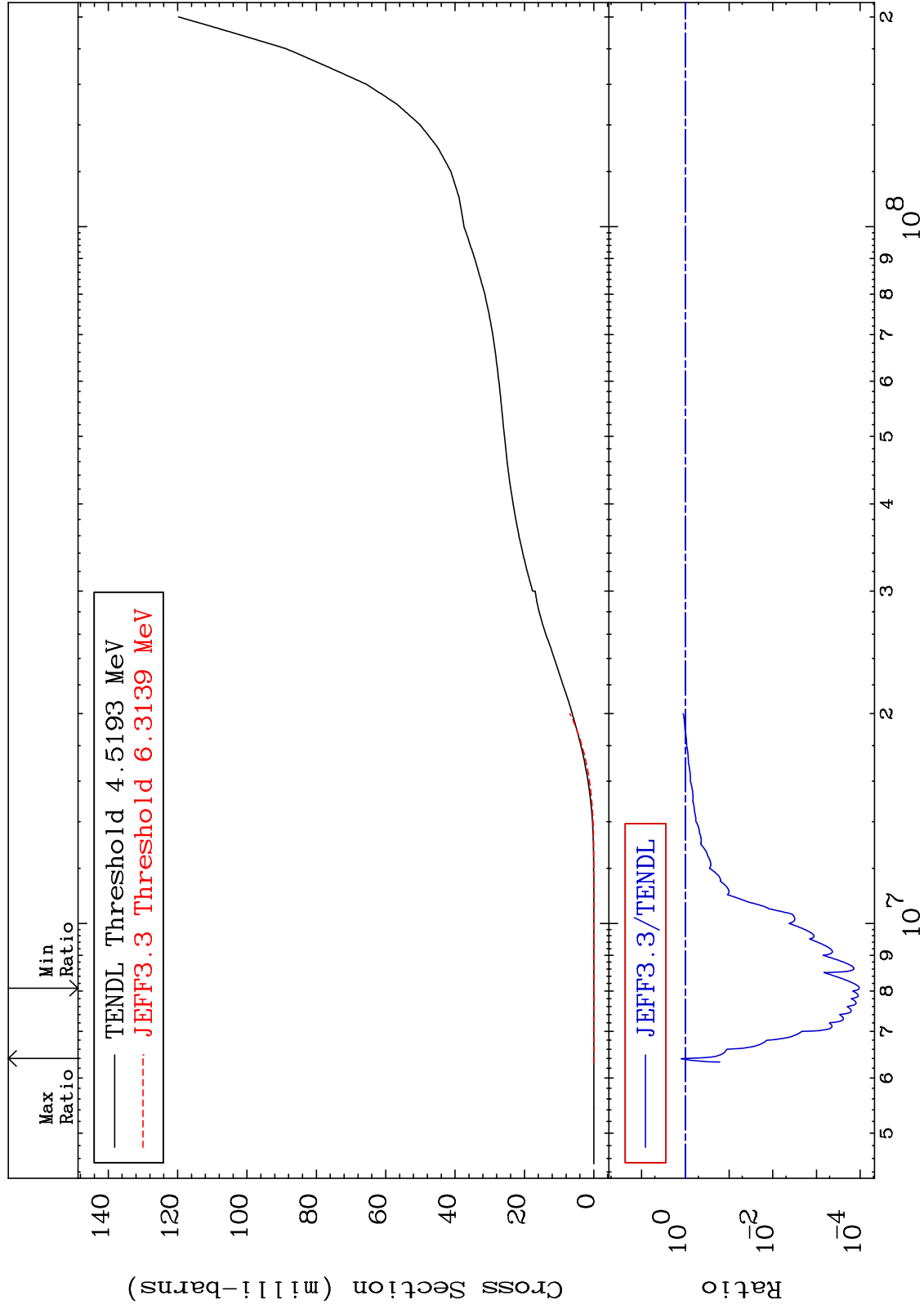
61-Pm-147
-100.0 To 31.98 %



MAT 6149

Tritium Production
Cross Section

61-Pm-147
-99.99 To 25.24 %



25

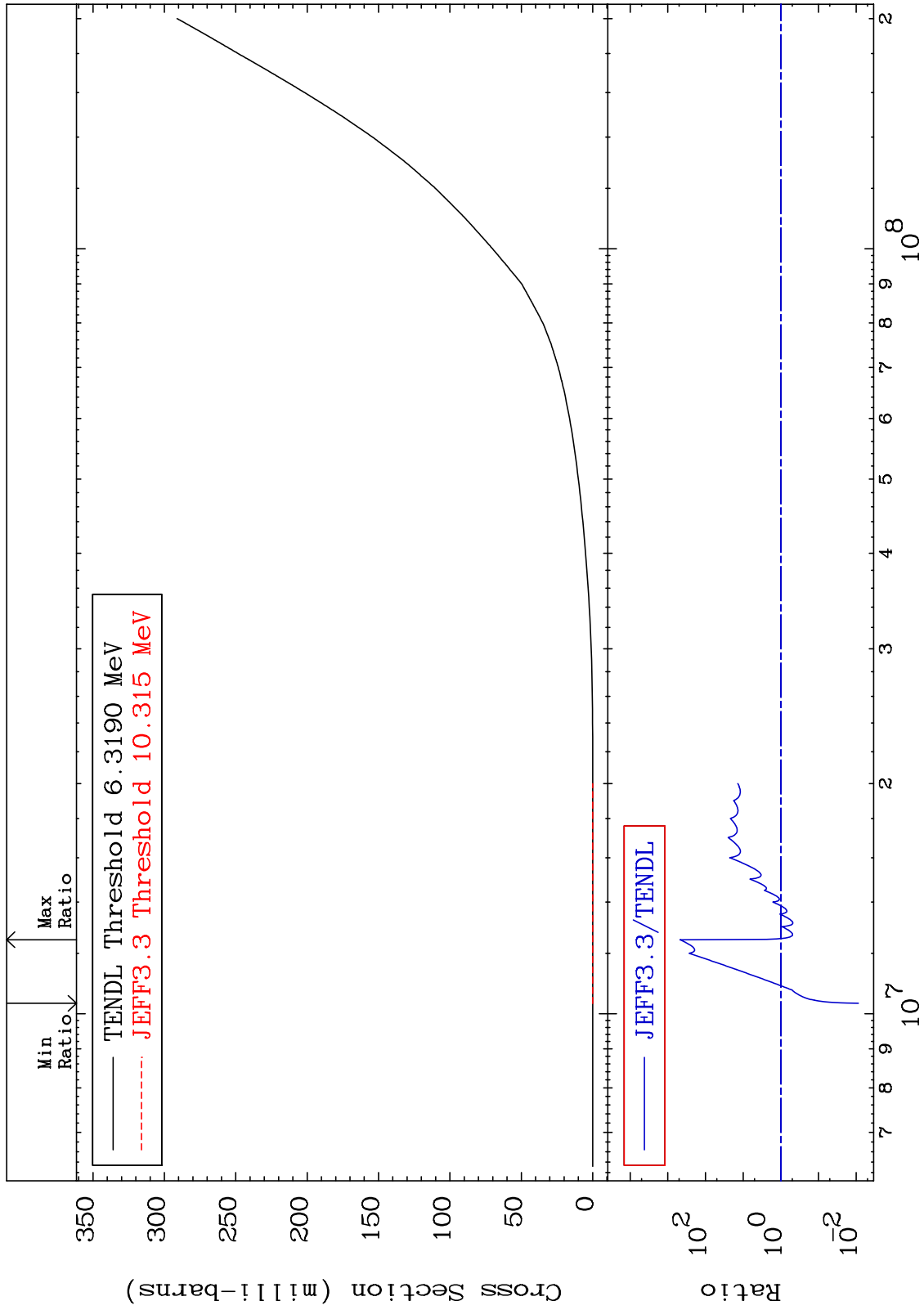
Incident Energy (eV)

61-Pm-147

MAT 6149

He-3 Production
Cross Section

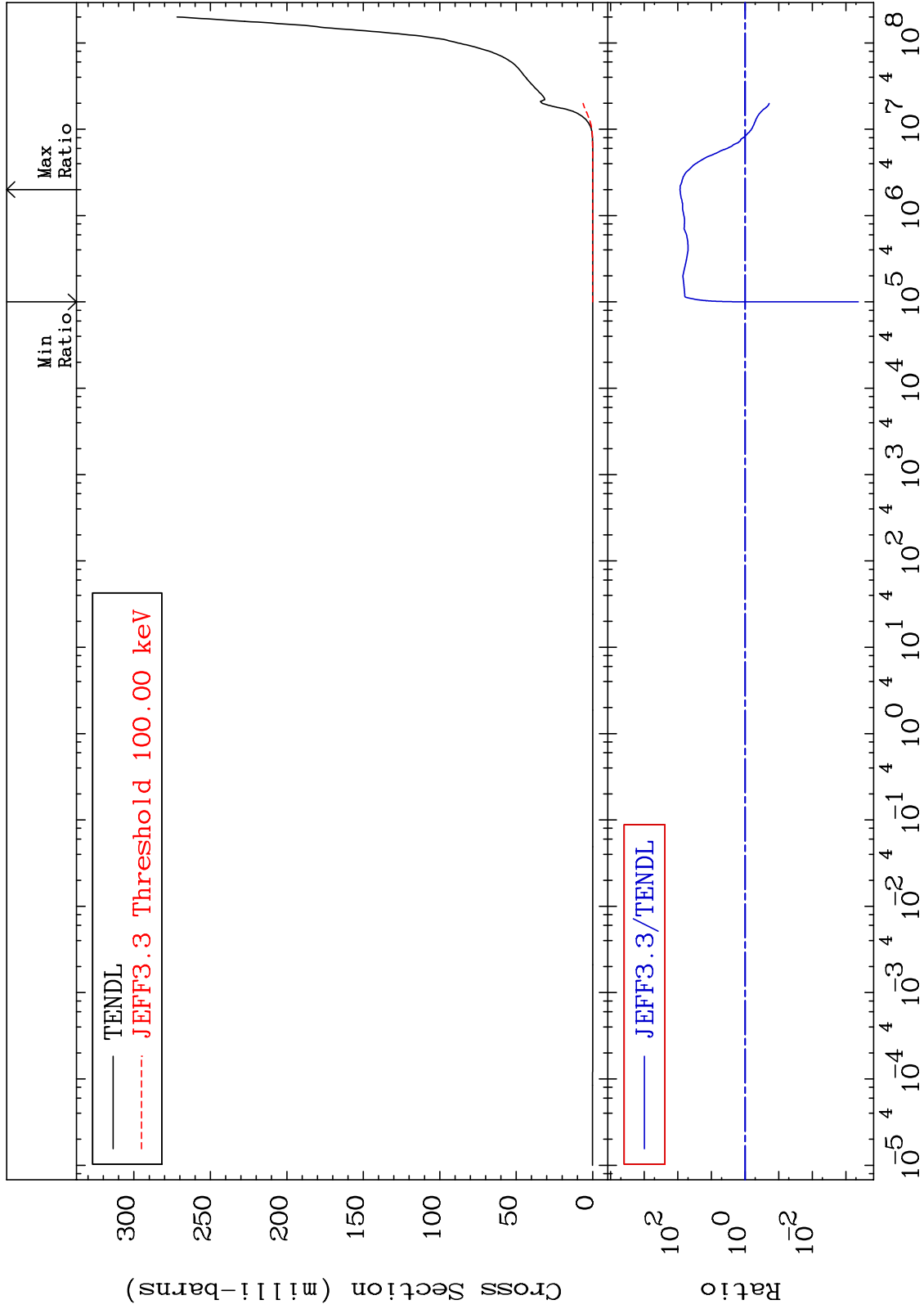
61-Pm-147
-99.13 To 9999. %



MAT 6149

He-4 Production
Cross Section

61-Pm-147
-99.96 To 8527. %



27

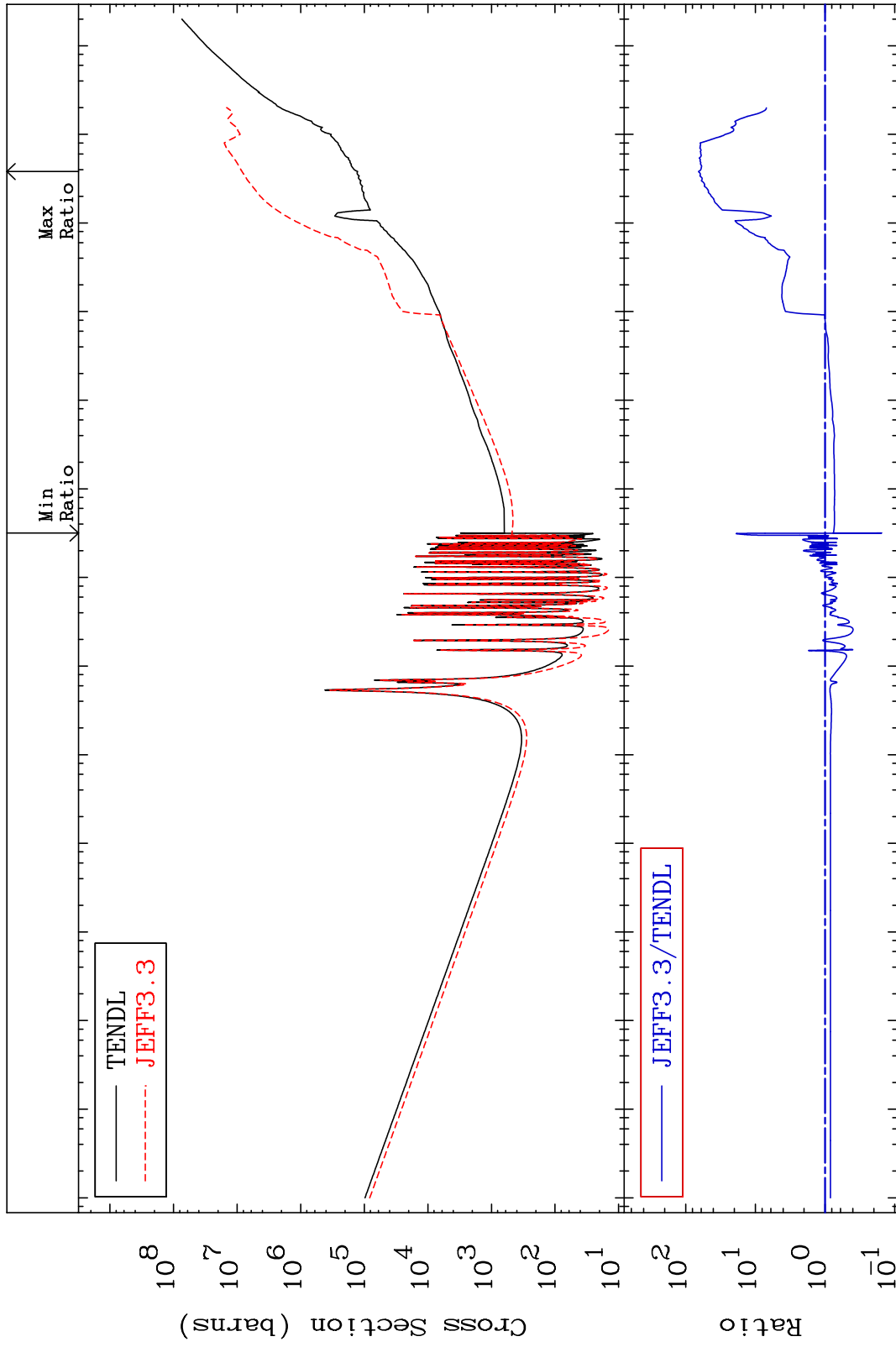
Incident Energy (eV)

61-Pm-147

MAT 6149

Kerma total (eV-barns)
Cross Section

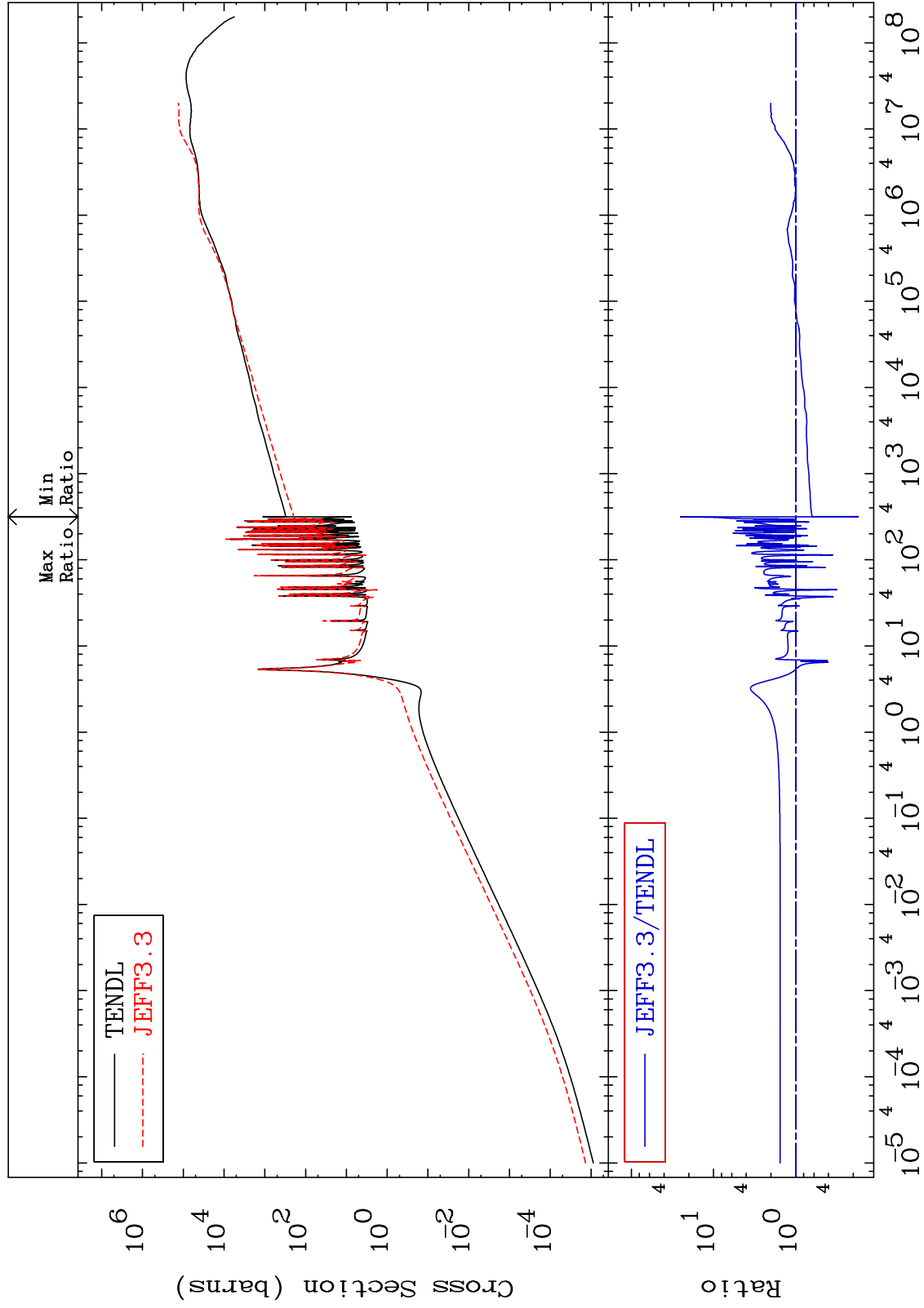
61-Pm-147
-84.50 To 6473. %



MAT 6149

Kerma elastic
Cross Section

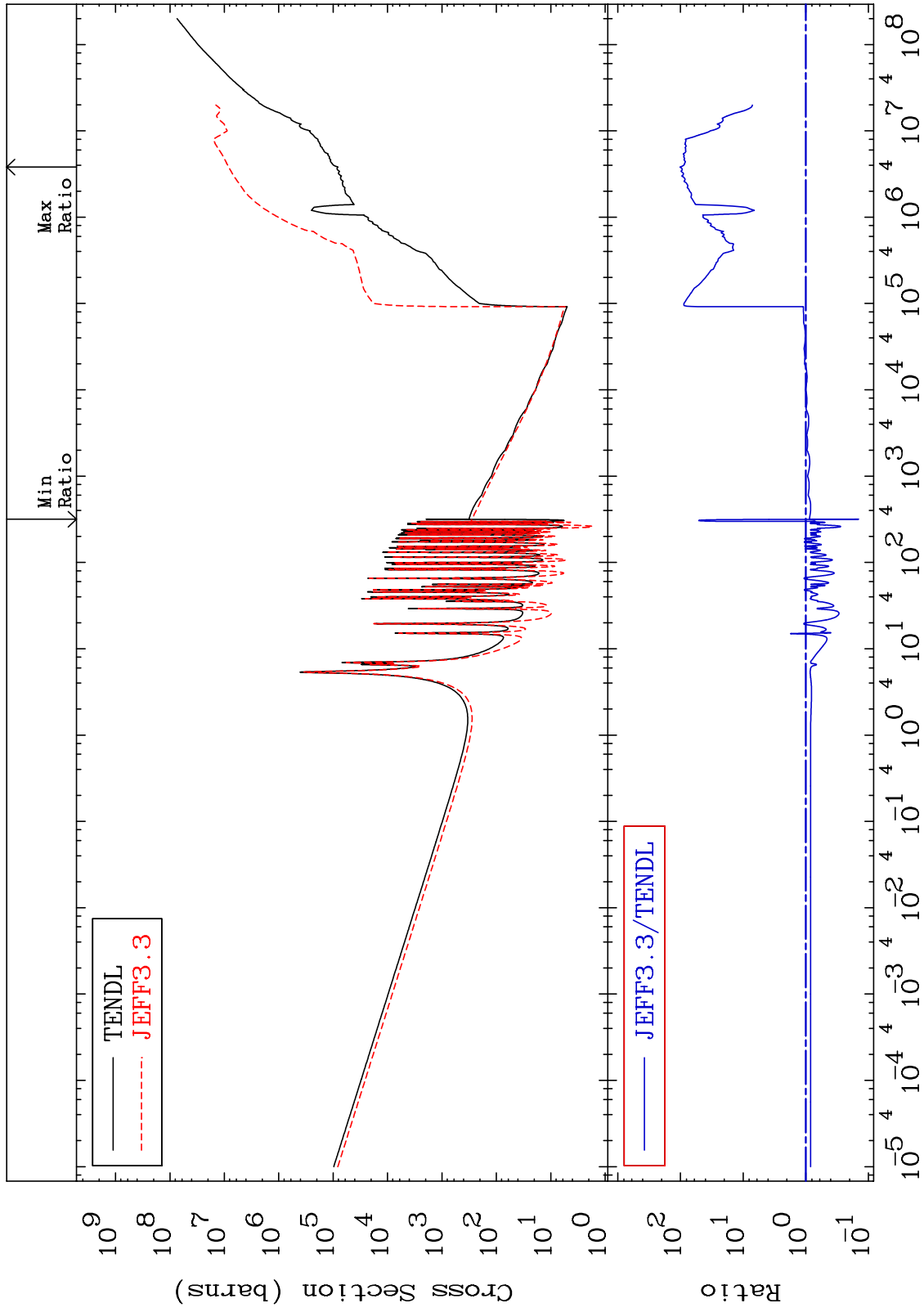
61-Pm-147
-82.78 To 2425. %



MAT 6149

Kerma non-elastic (all but mt2)
Cross Section

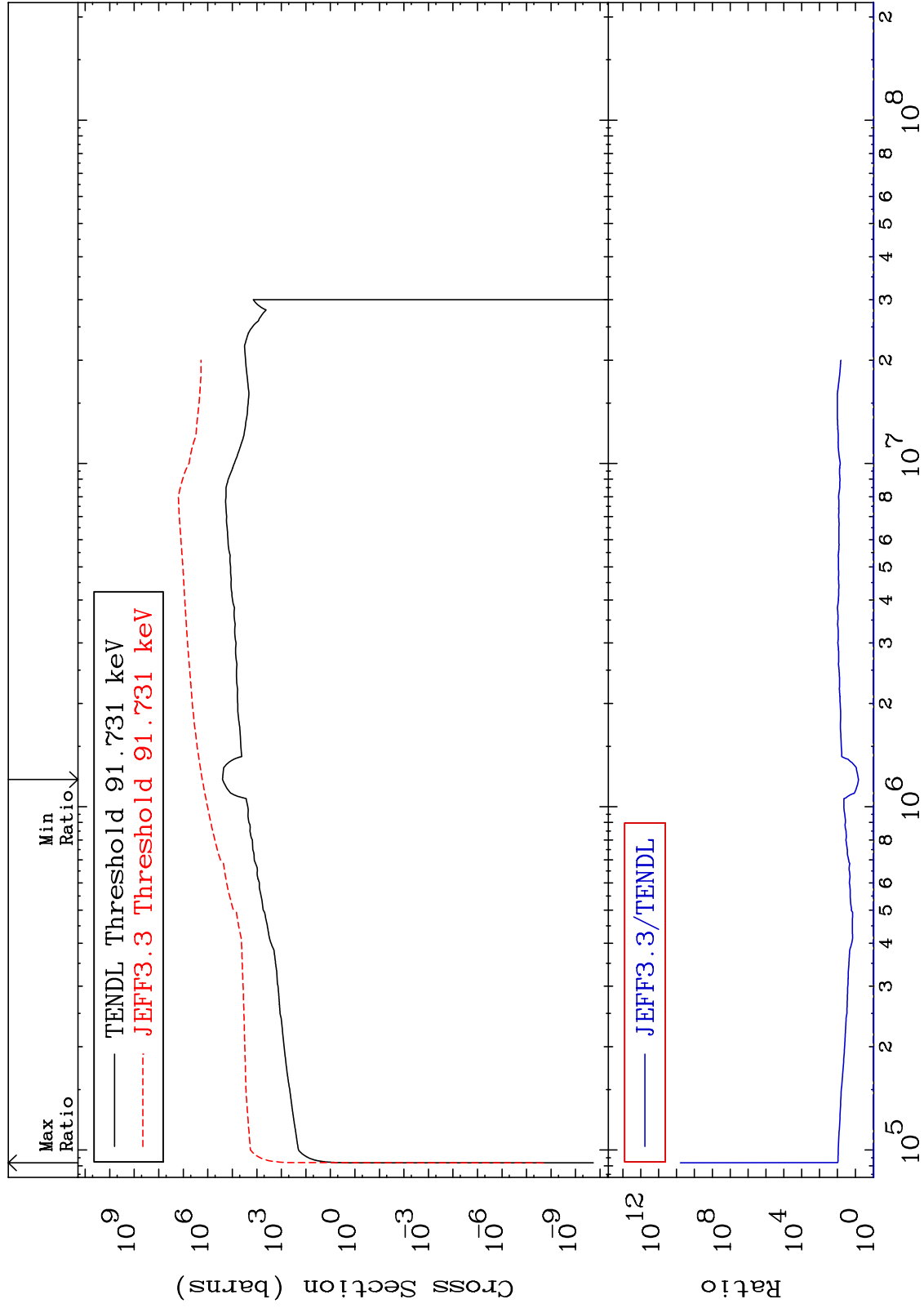
61-Pm-147
-85.52 To 9999. %



MAT 6149

Kerma inelastic (mt51-91)
Cross Section

61-Pm-147
563.6 To 9999. %



31

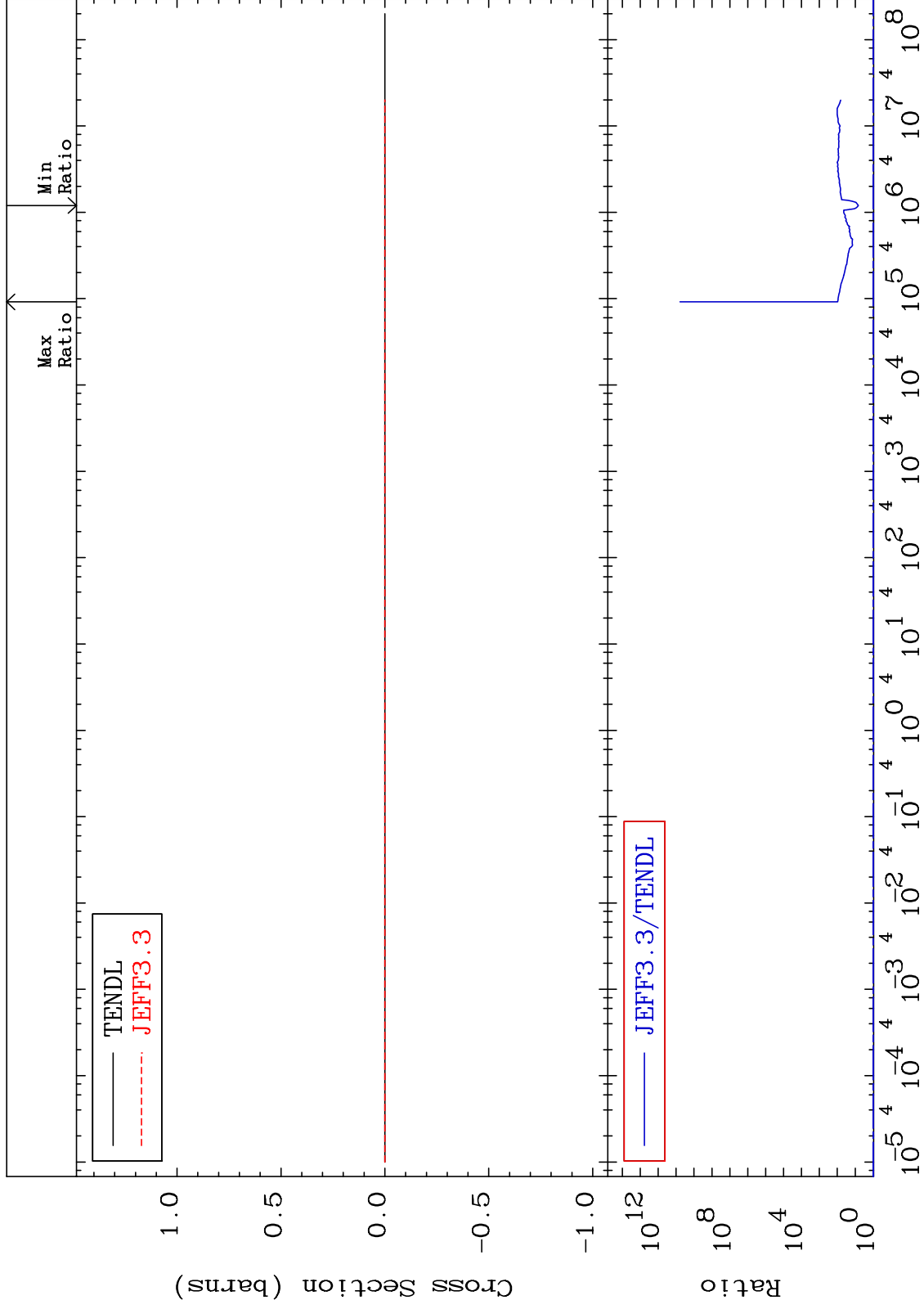
Incident Energy (eV)

61-Pm-147

MAT 6149

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

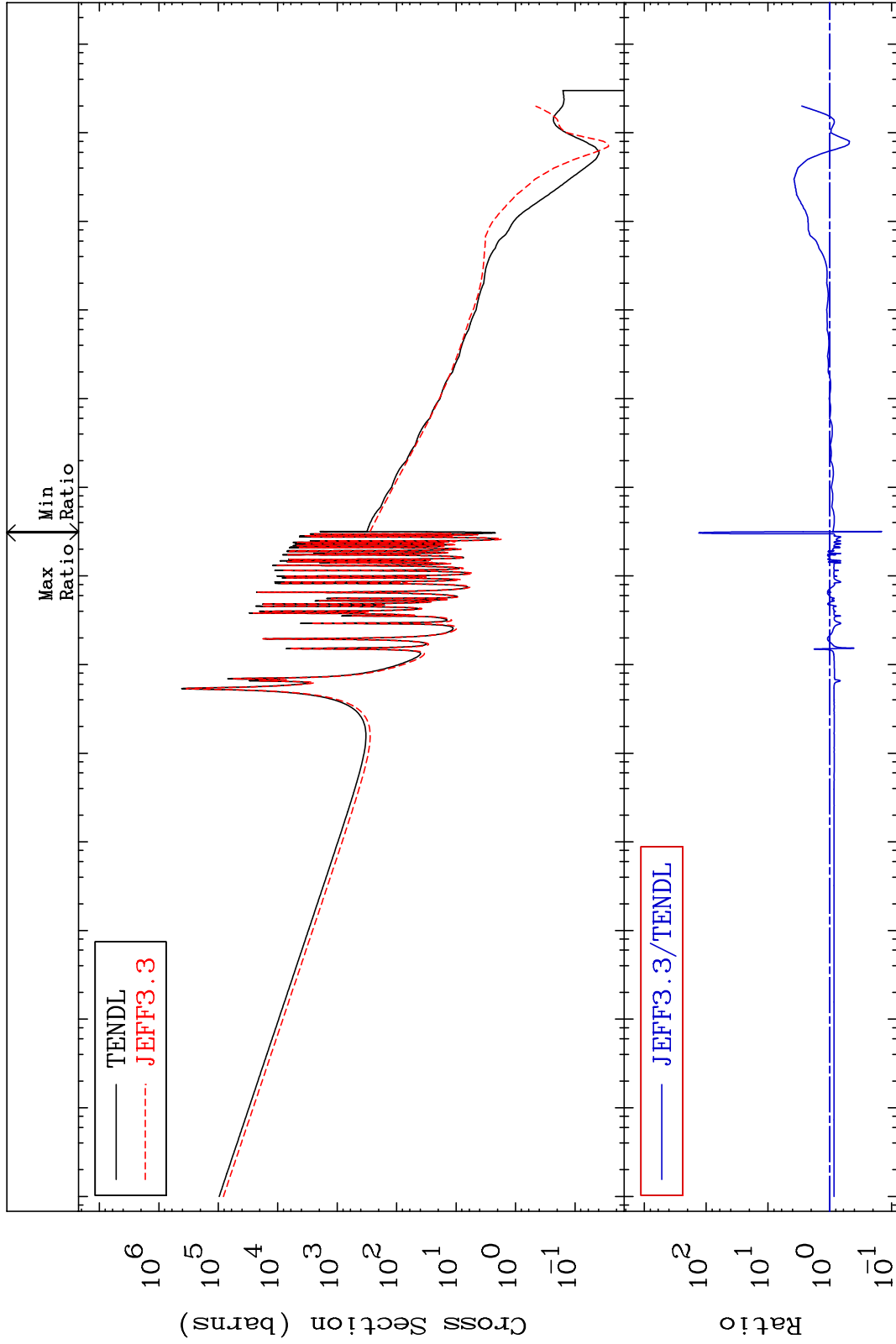
61-Pm-147
563.6 To 9999. %



MAT 6149

Kerma capture (mt102)
Cross Section

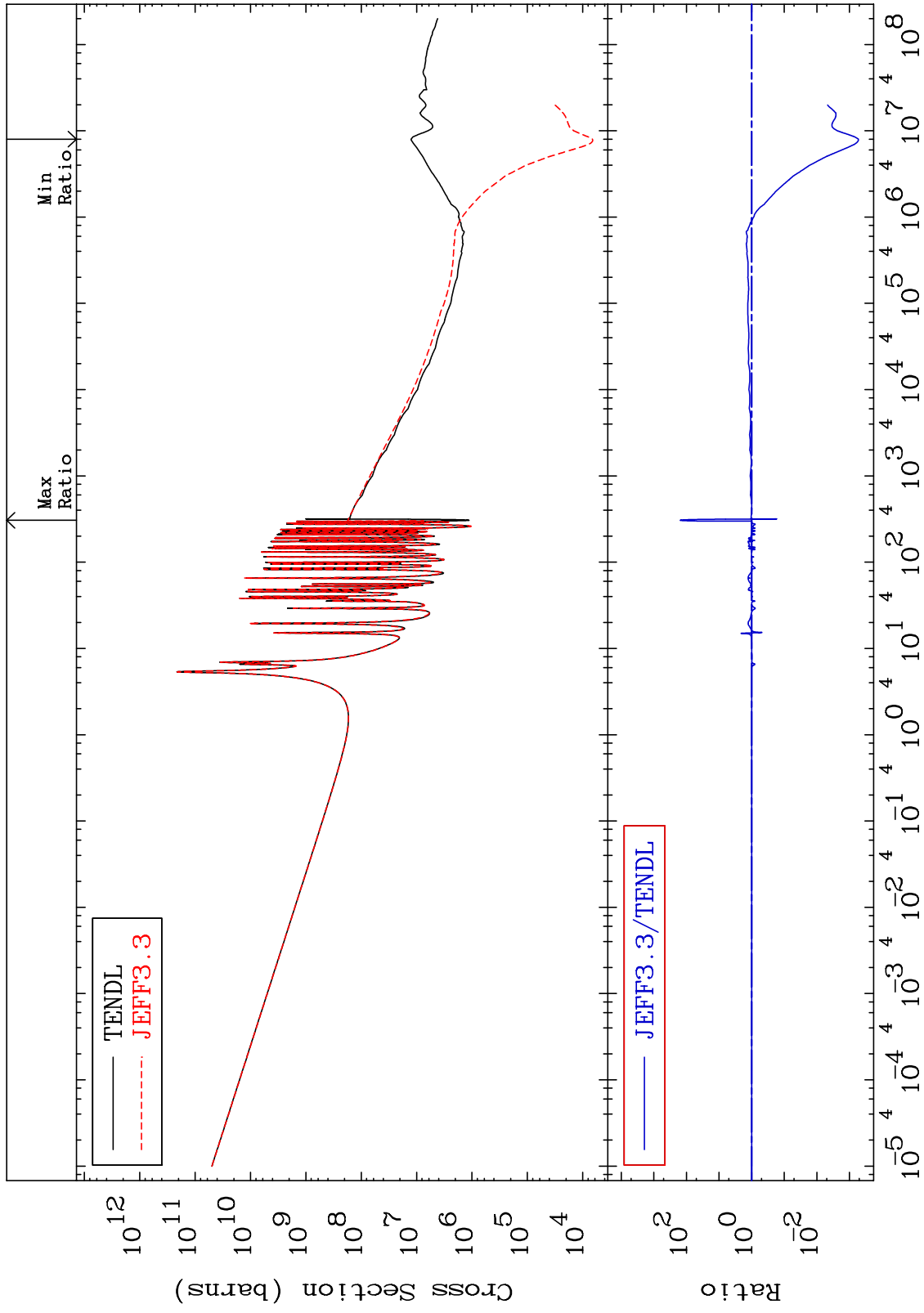
61-Pm-147
-85.50 To 9999. %



MAT 6149

Total photon (eV-barns)
Cross Section

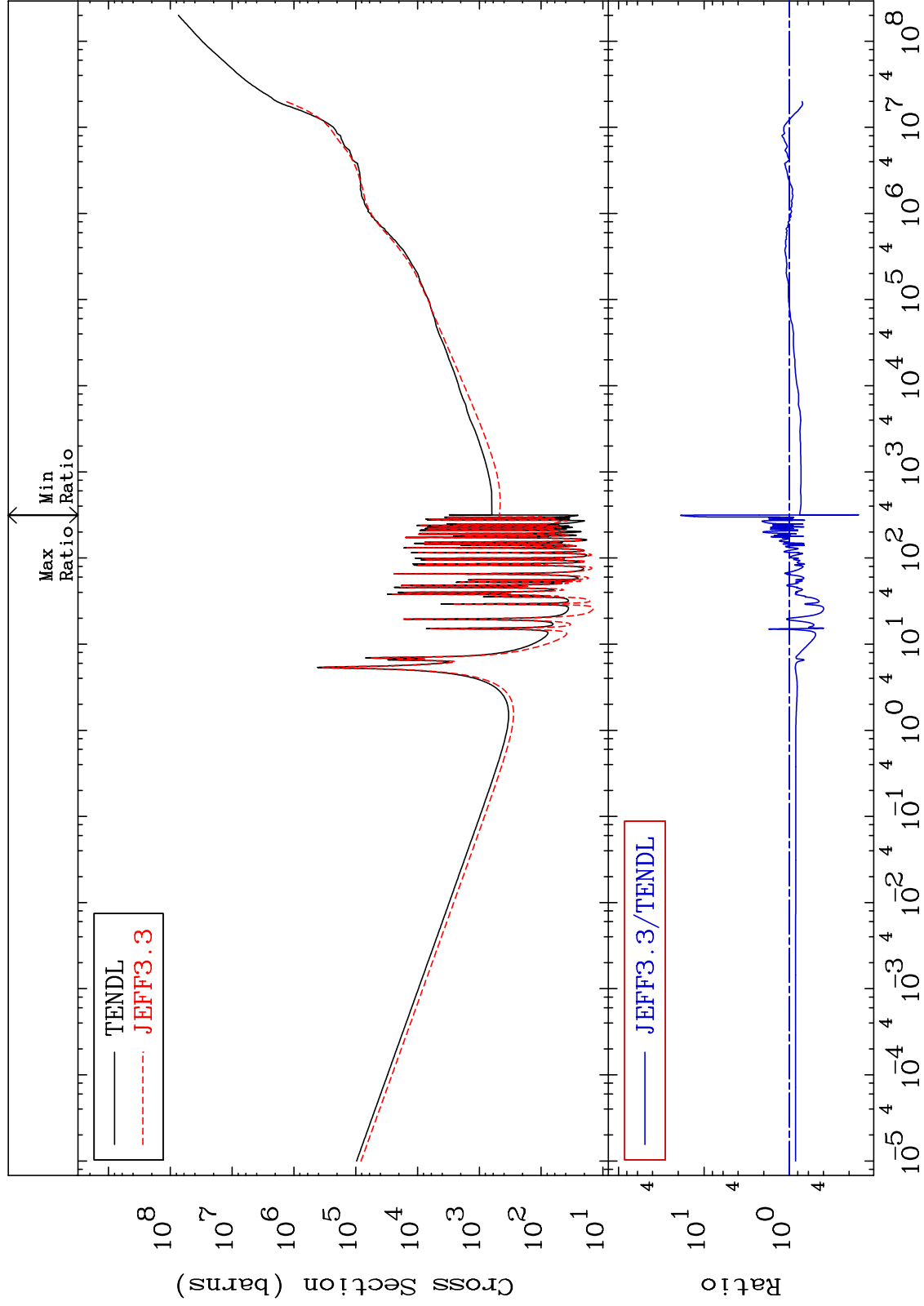
61-Pm-147
-99.95 To 9999. %



MAT 6149

Total kinematic kerma (high limit)
Cross Section

61-Pm-147
-84.50 To 1788. %



35

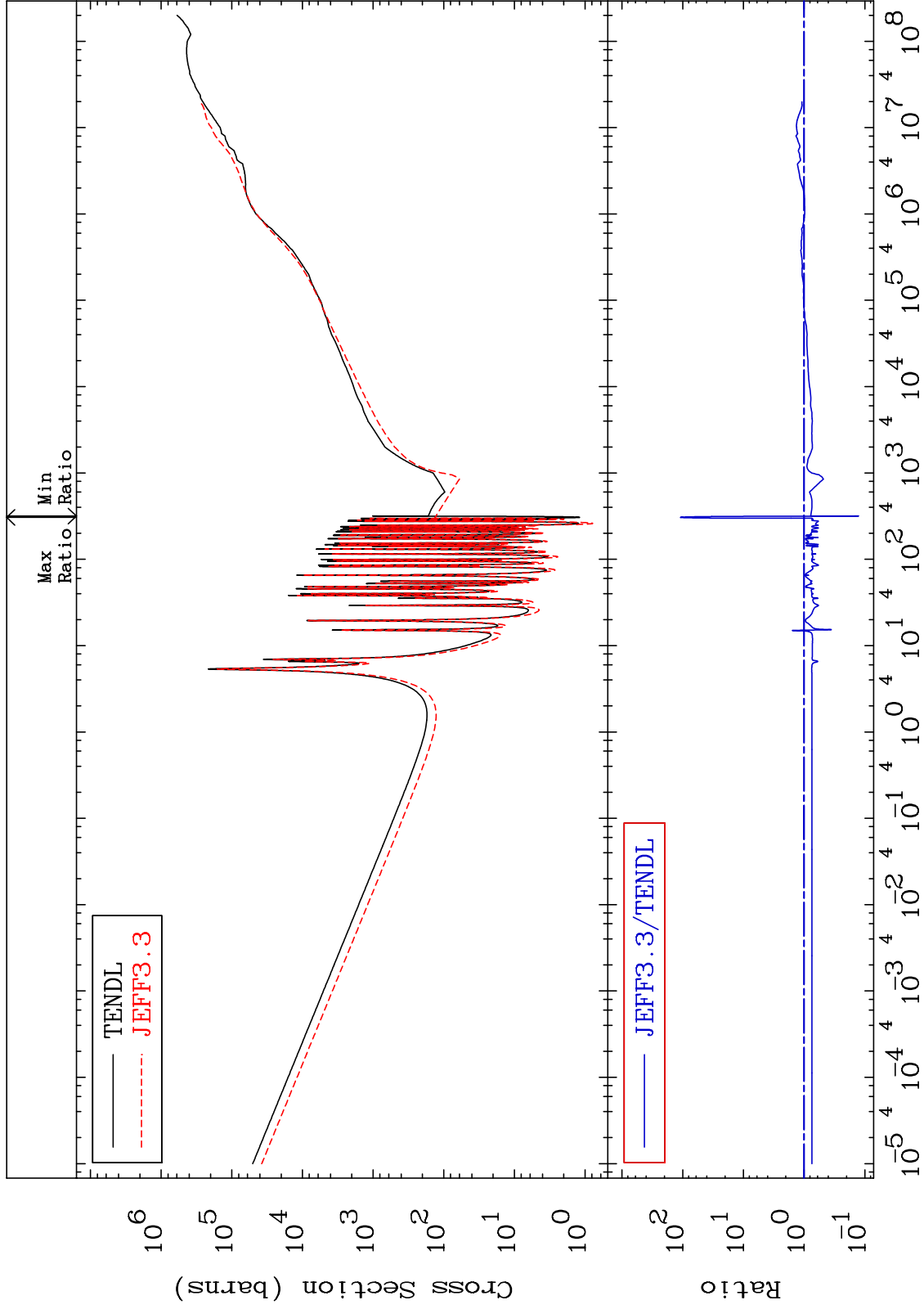
Incident Energy (eV)

61-Pm-147

MAT 6149

Dpa total (eV-barns)
Cross Section

61-Pm-147
-87.26 To 9999. %



36

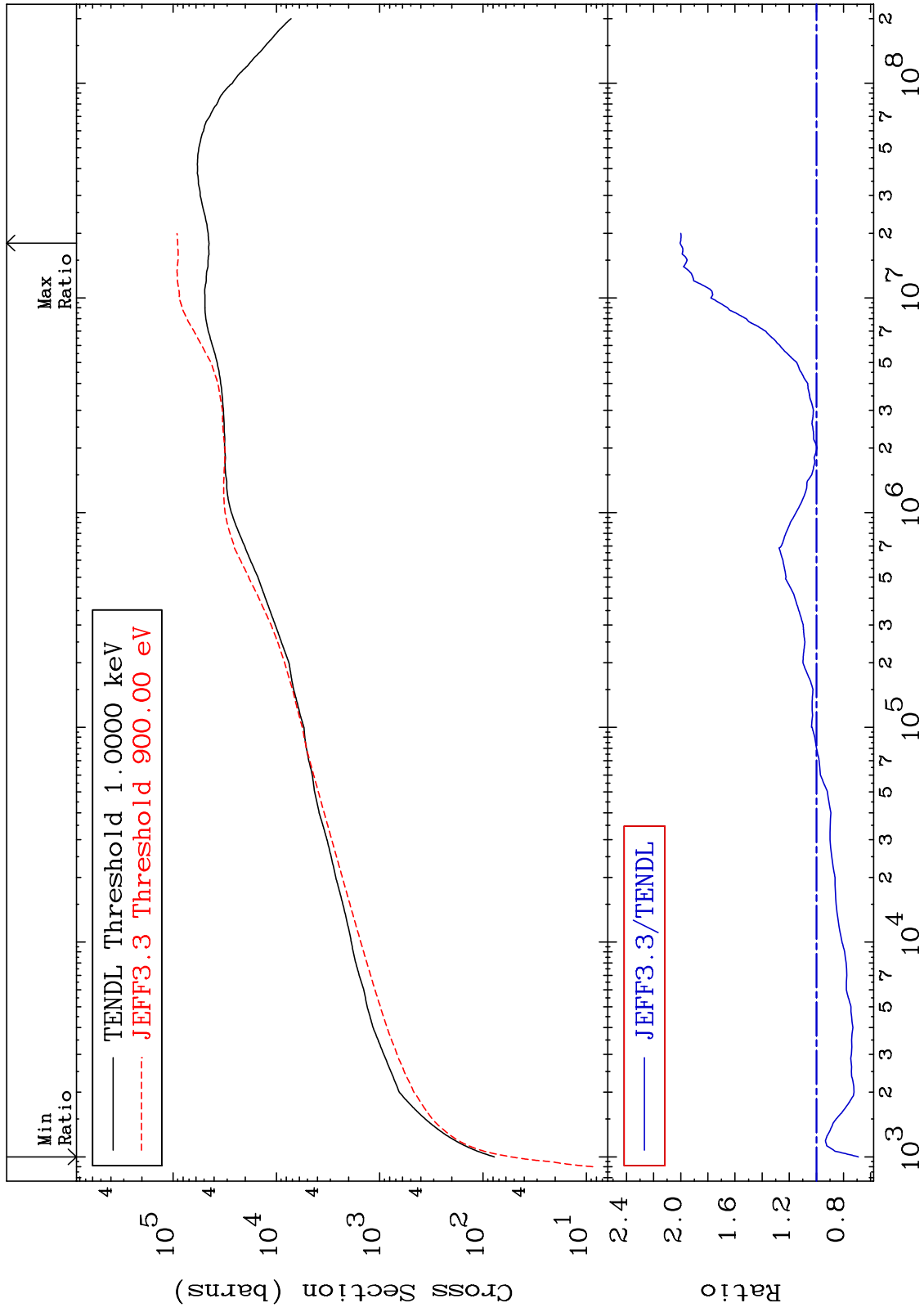
Incident Energy (eV)

61-Pm-147

MAT 6149

Dpa elastic (mt2)
Cross Section

61-Pm-147
-30.96 To 100.5 %



37

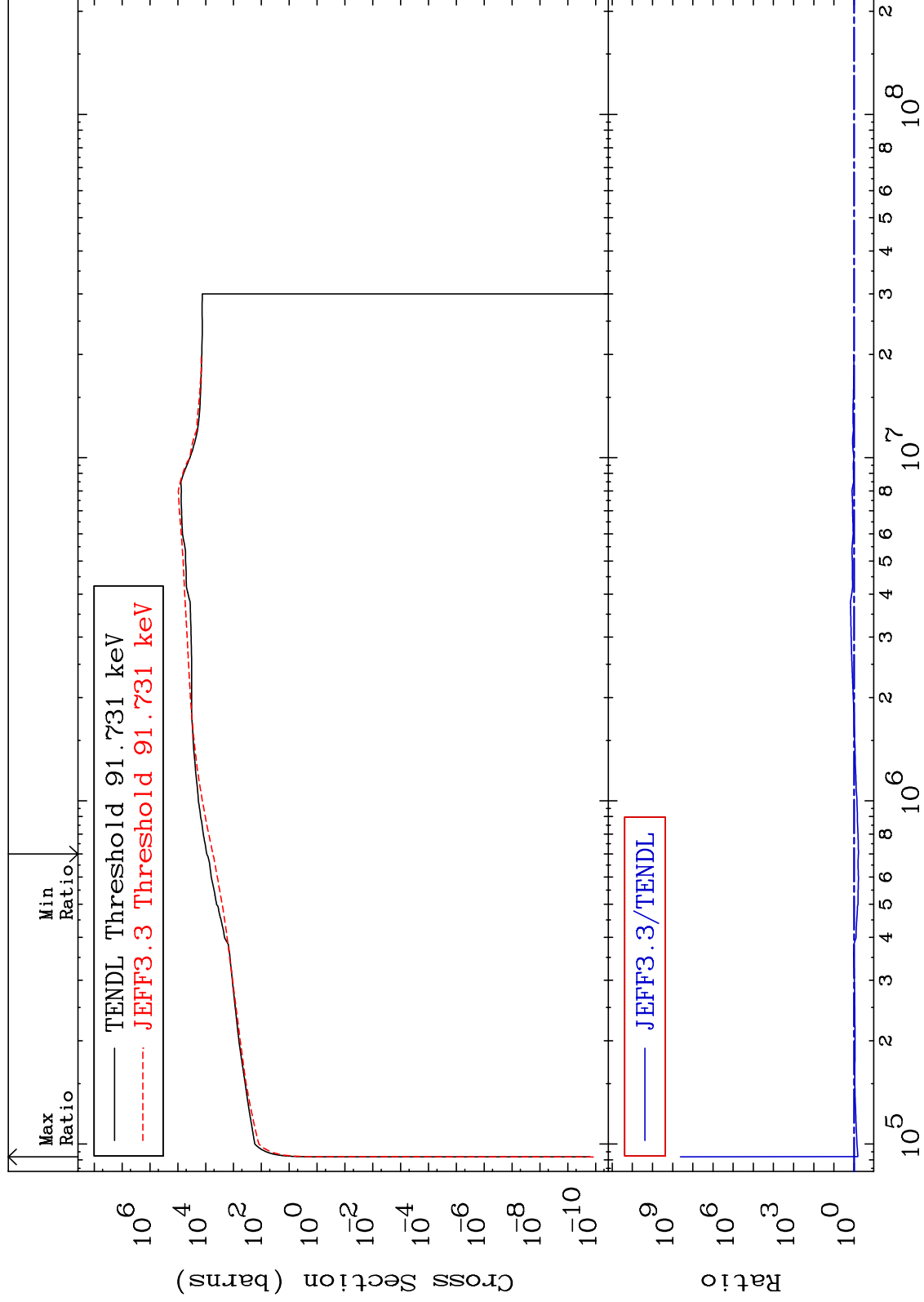
Incident Energy (eV)

61-Pm-147

MAT 6149

Dpa inelastic (mt51-91)
Cross Section

61-Pm-147
-39.79 To 9999. %



38

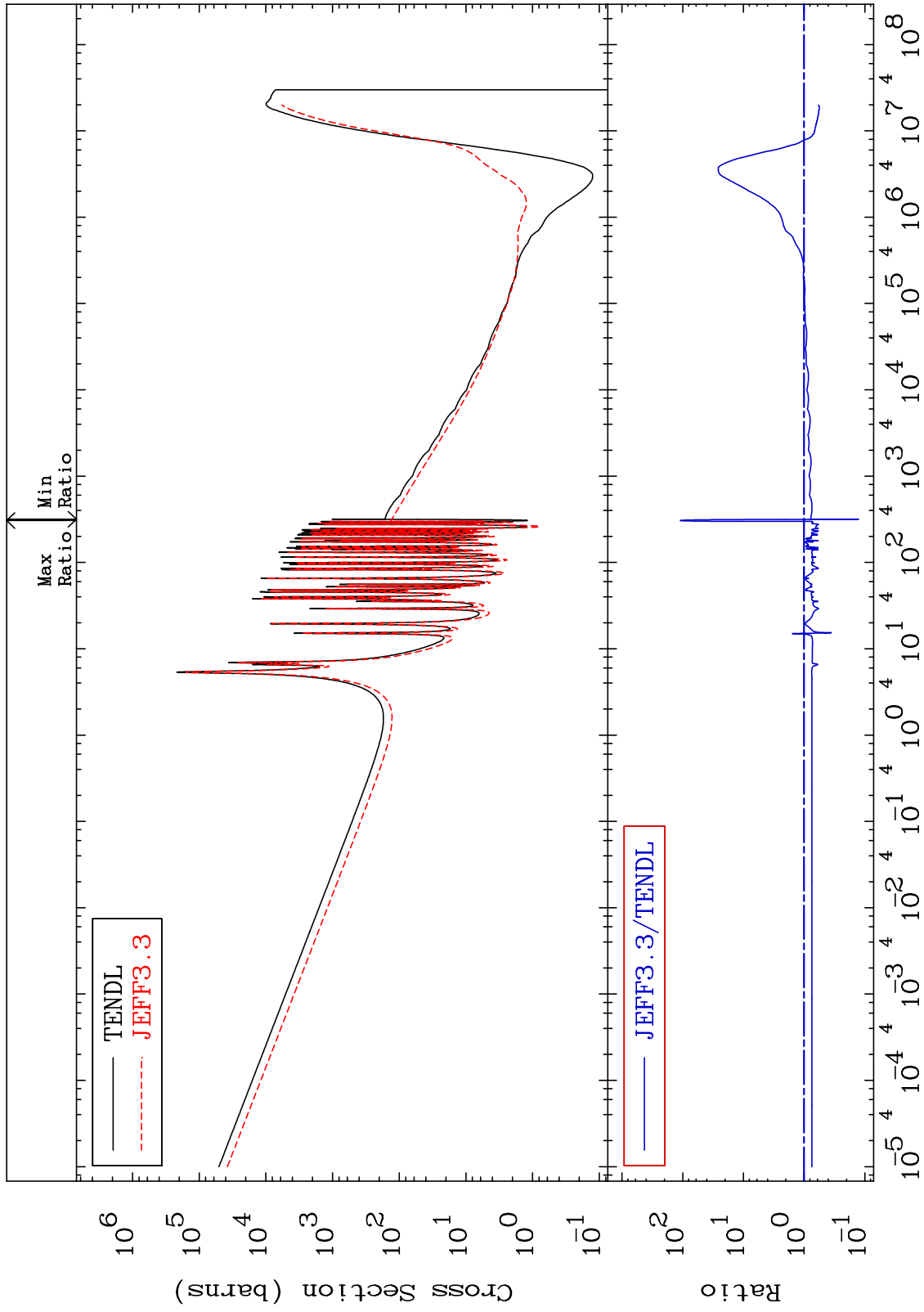
Incident Energy (eV)

61-Pm-147

MAT 6149

Dpa disappearance (mt102 -120)
Cross Section

61-Pm-147
-87.26 To 9999. %



39

Incident Energy (eV)

61-Pm-147