

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

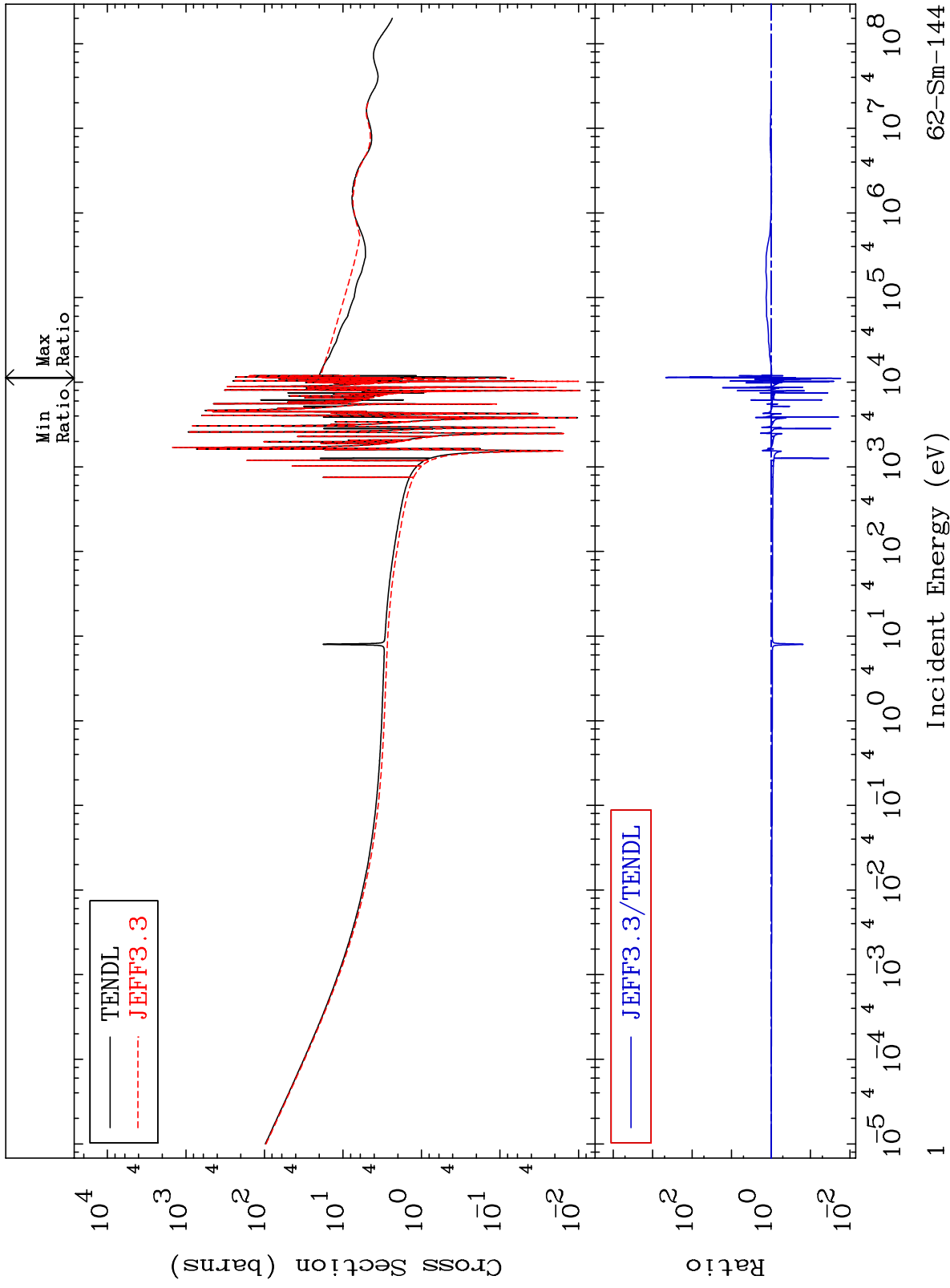
MAT 6225

Total

62-Sm-144

Cross Section

-98.30 To 9999. %



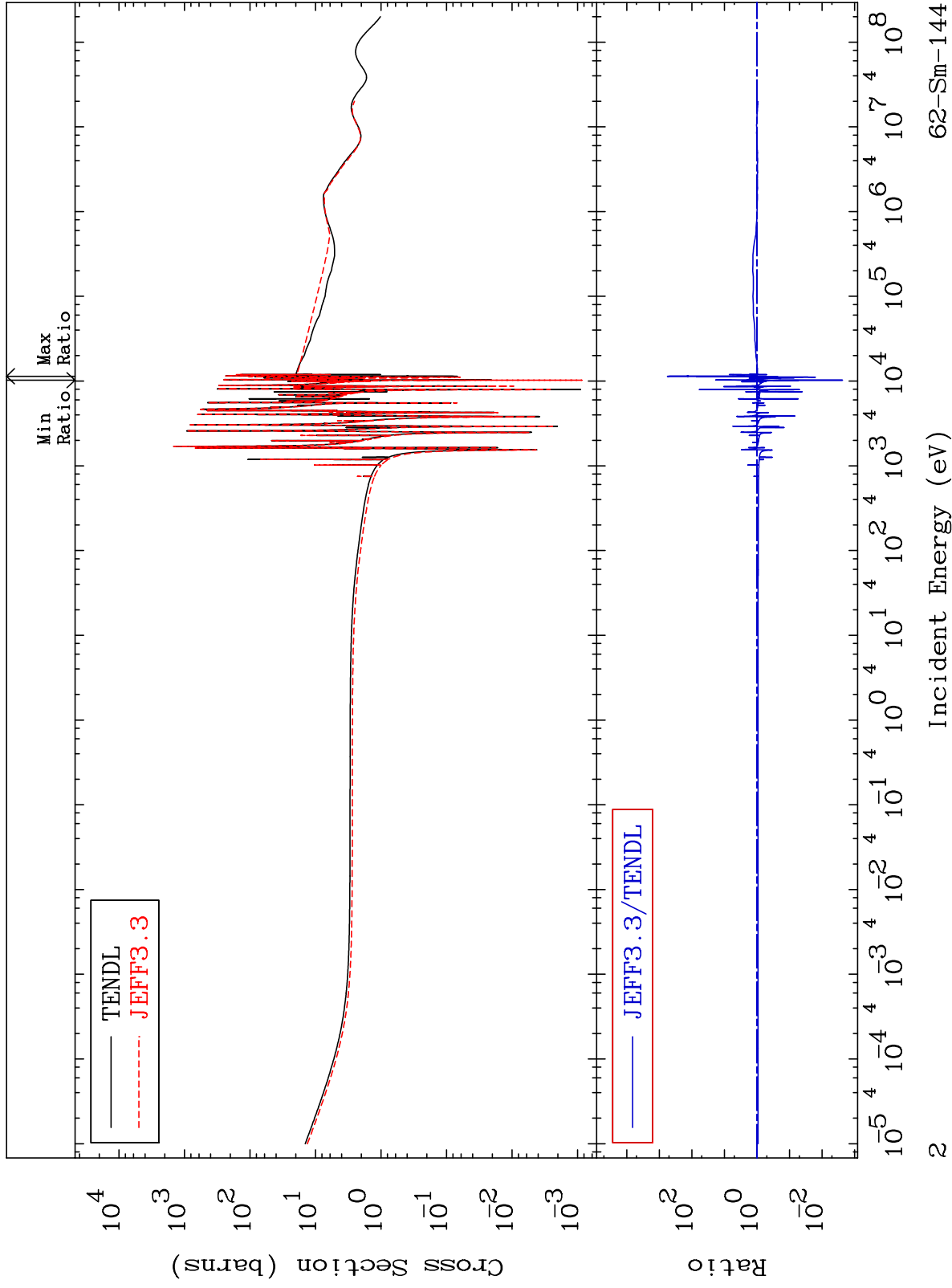
Incident Energy (eV)

62-Sm-144

MAT 6225

Elastic
Cross Section

62-Sm-144
-99.77 To 9999. %



62-Sm-144

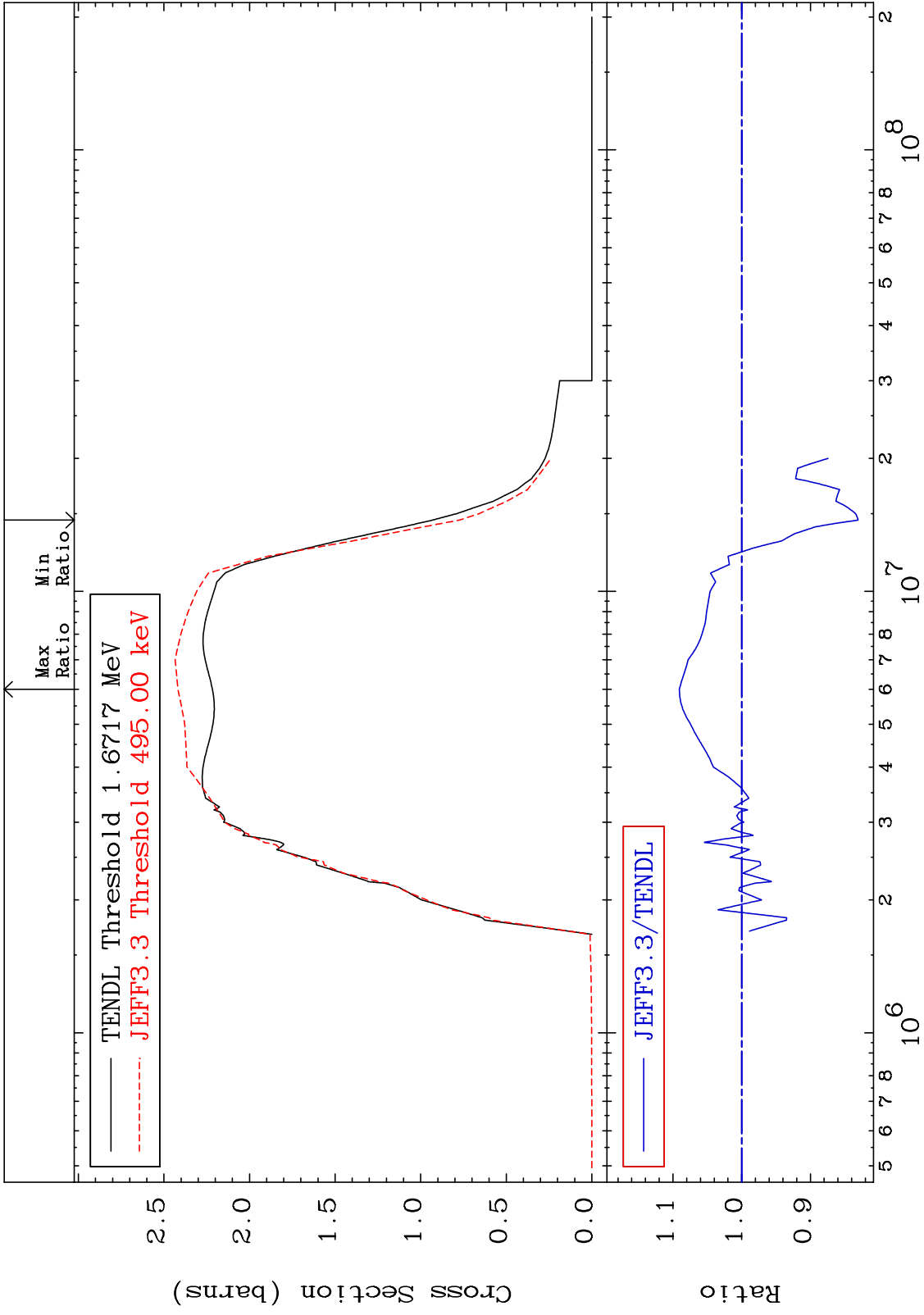
Incident Energy (eV)

MAT 6225

62-Sm-144

-16.96 To 9.069 %

Inelastic
Cross Section



3

Incident Energy (eV)

62-Sm-144

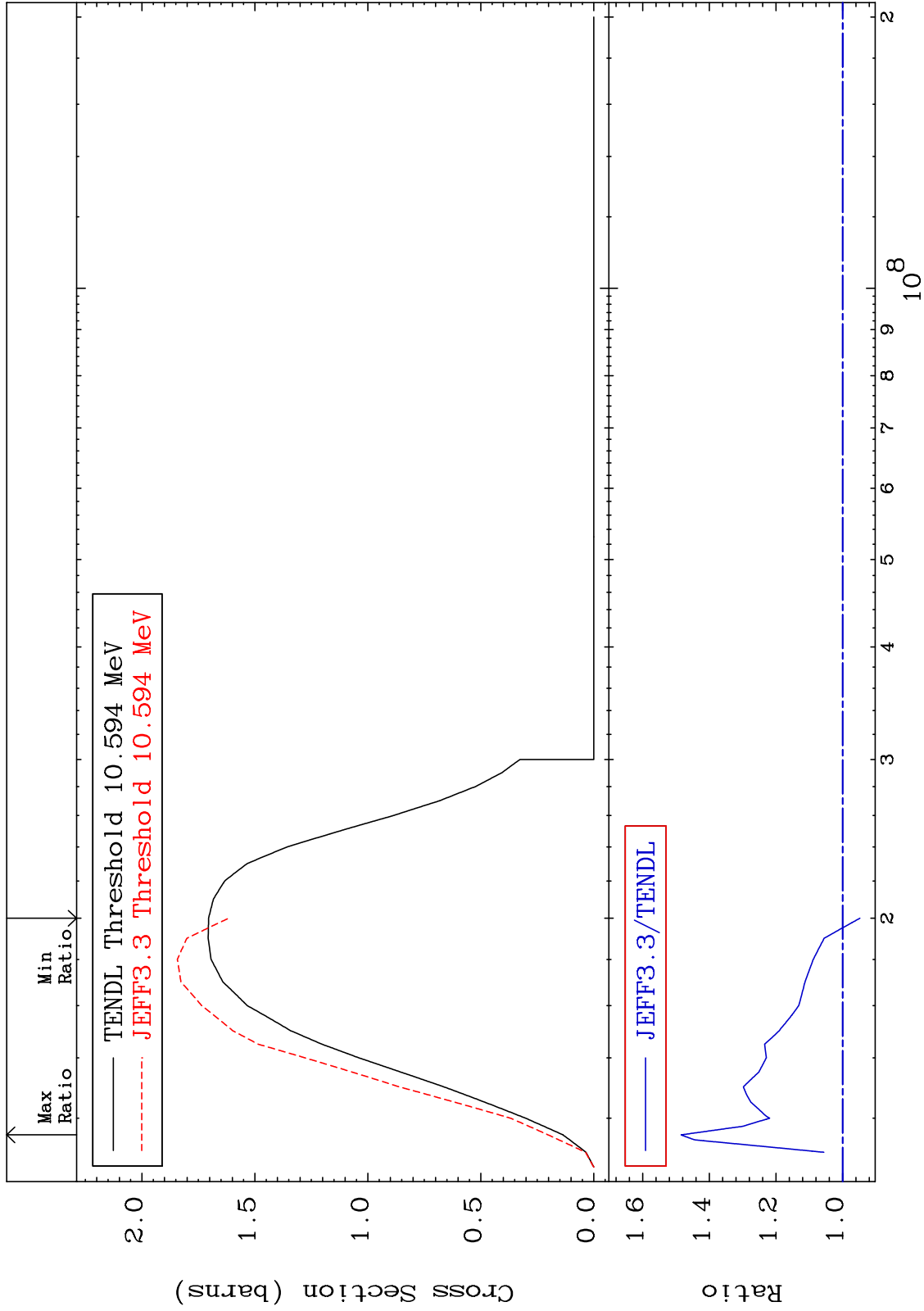
MAT 6225

(n,2n)

62-Sm-144

Cross Section

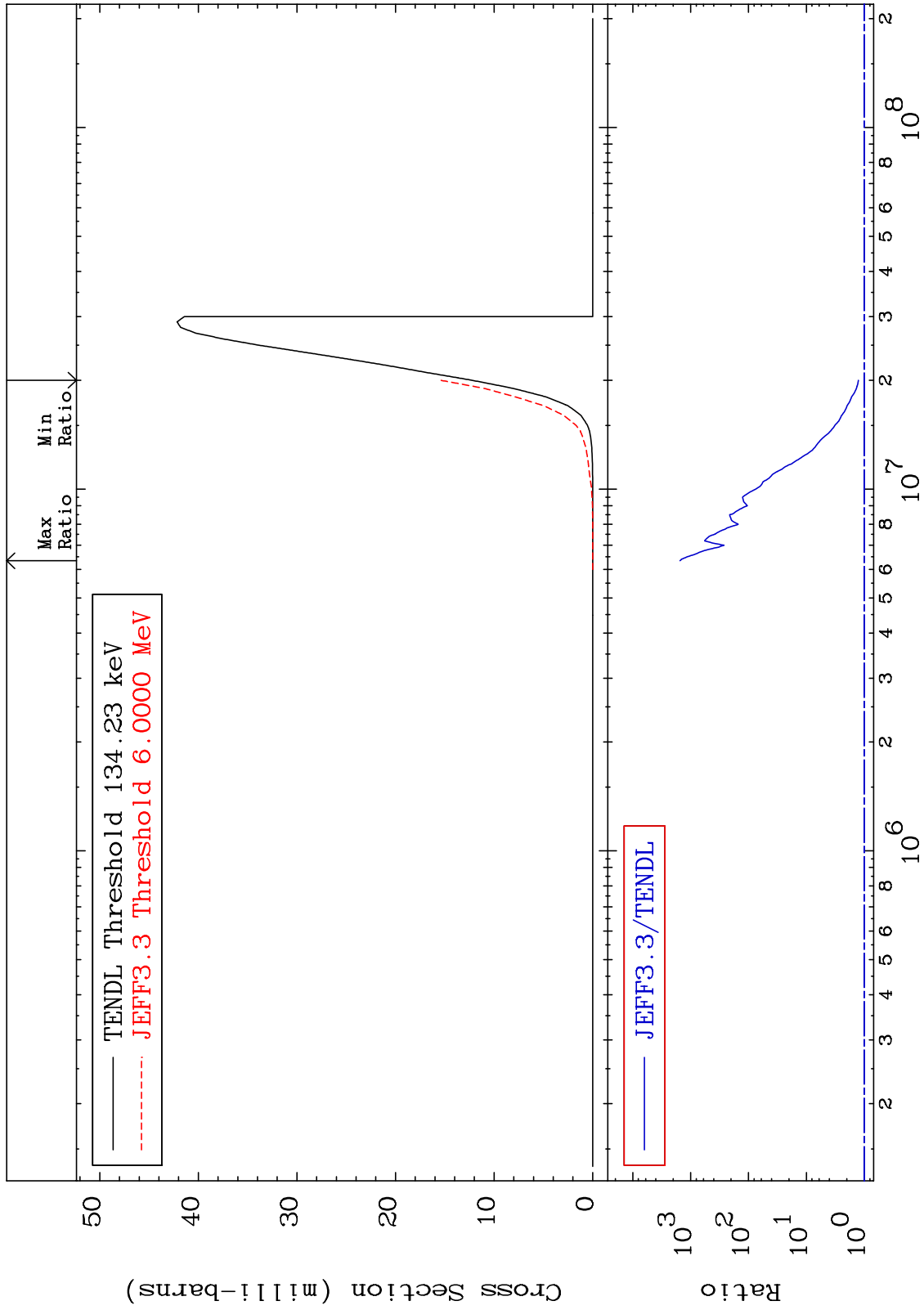
-5.209 To 48.45 %



MAT 6225

$(n, n') \alpha$
Cross Section

62-Sm-144
26.06 To 9999. %



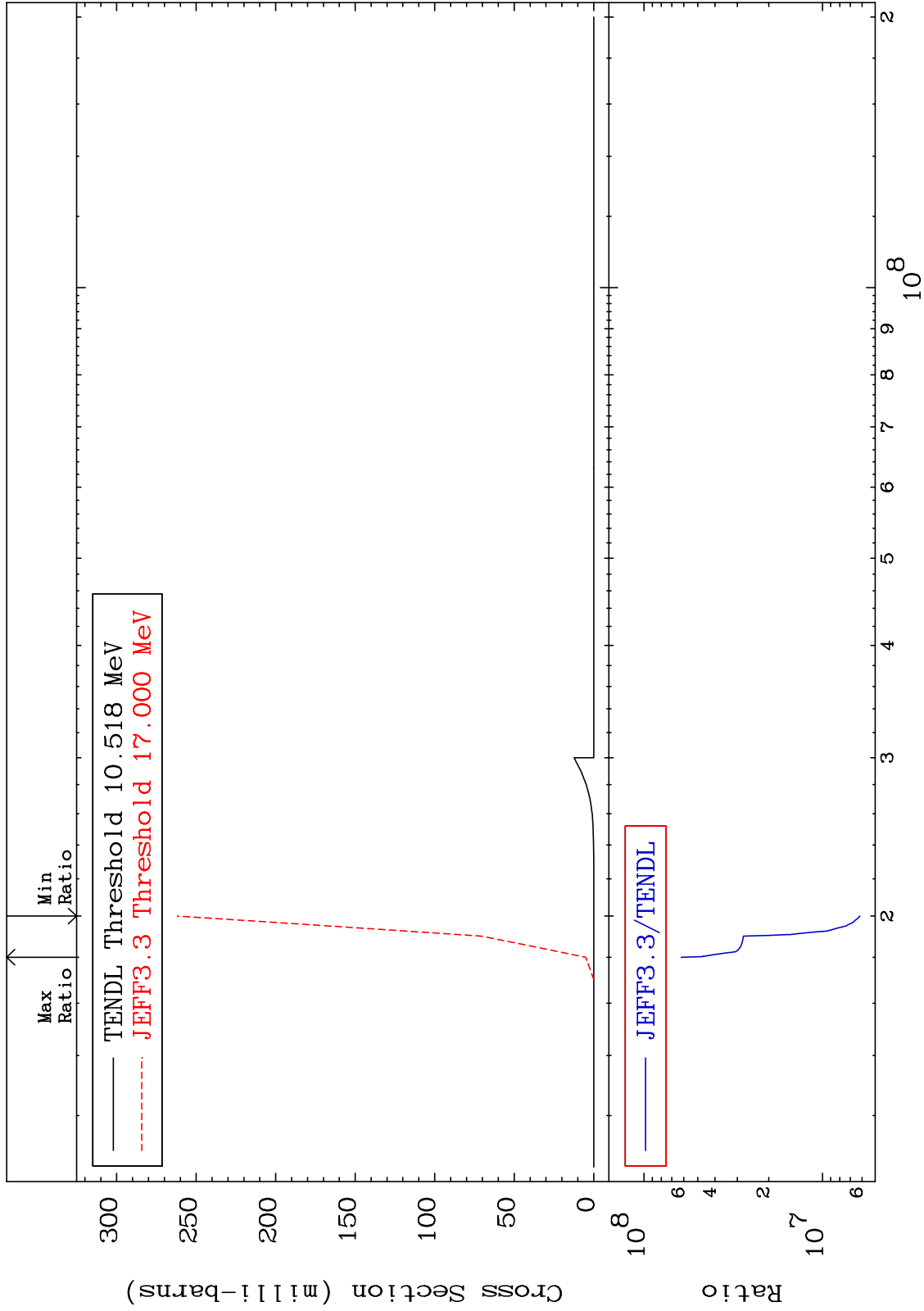
MAT 6225

(n,2n) α

62-Sm-144

Cross Section

9999. To 9999. %



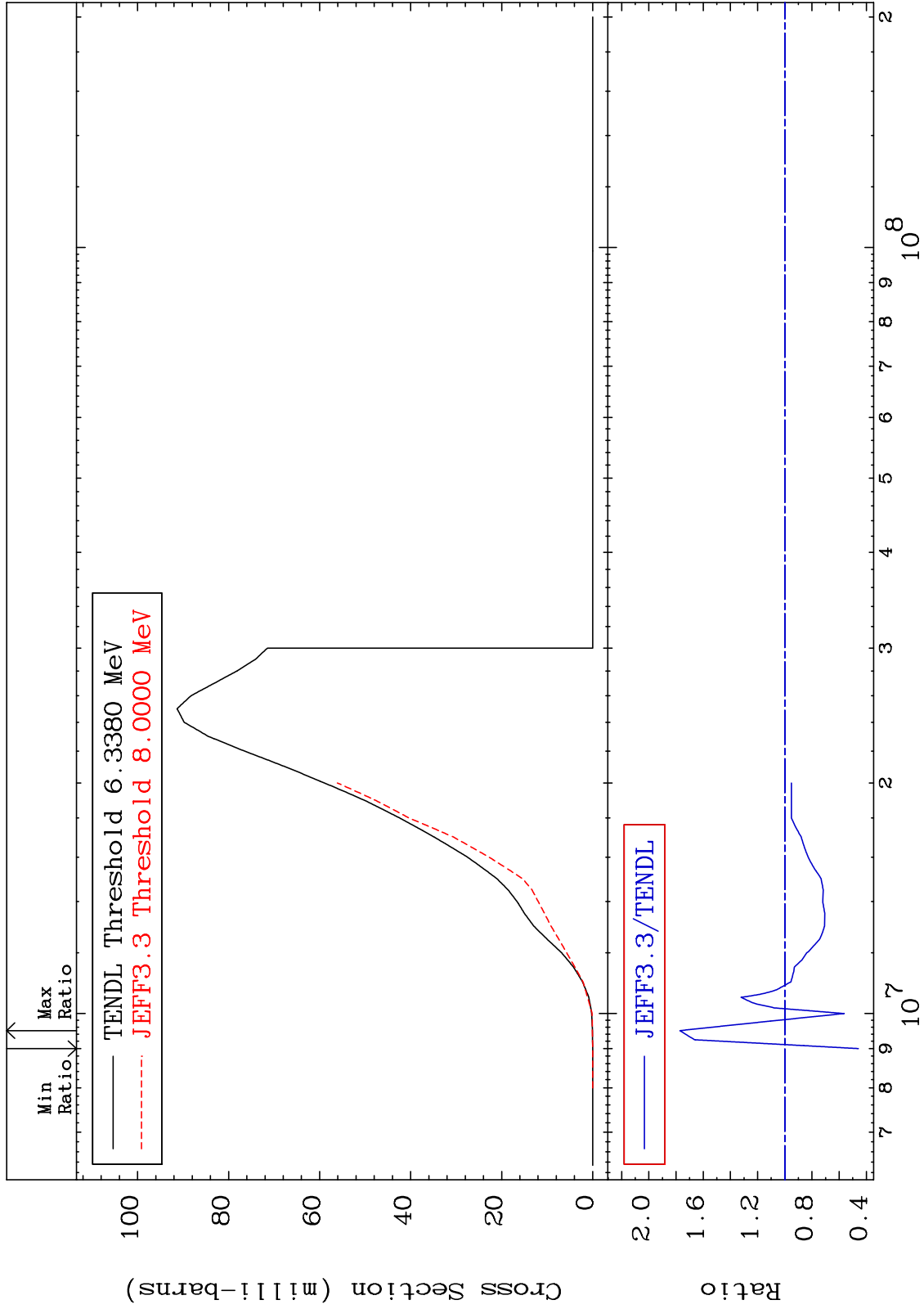
MAT 6225

(n,n') p

62-Sm-144

Cross Section

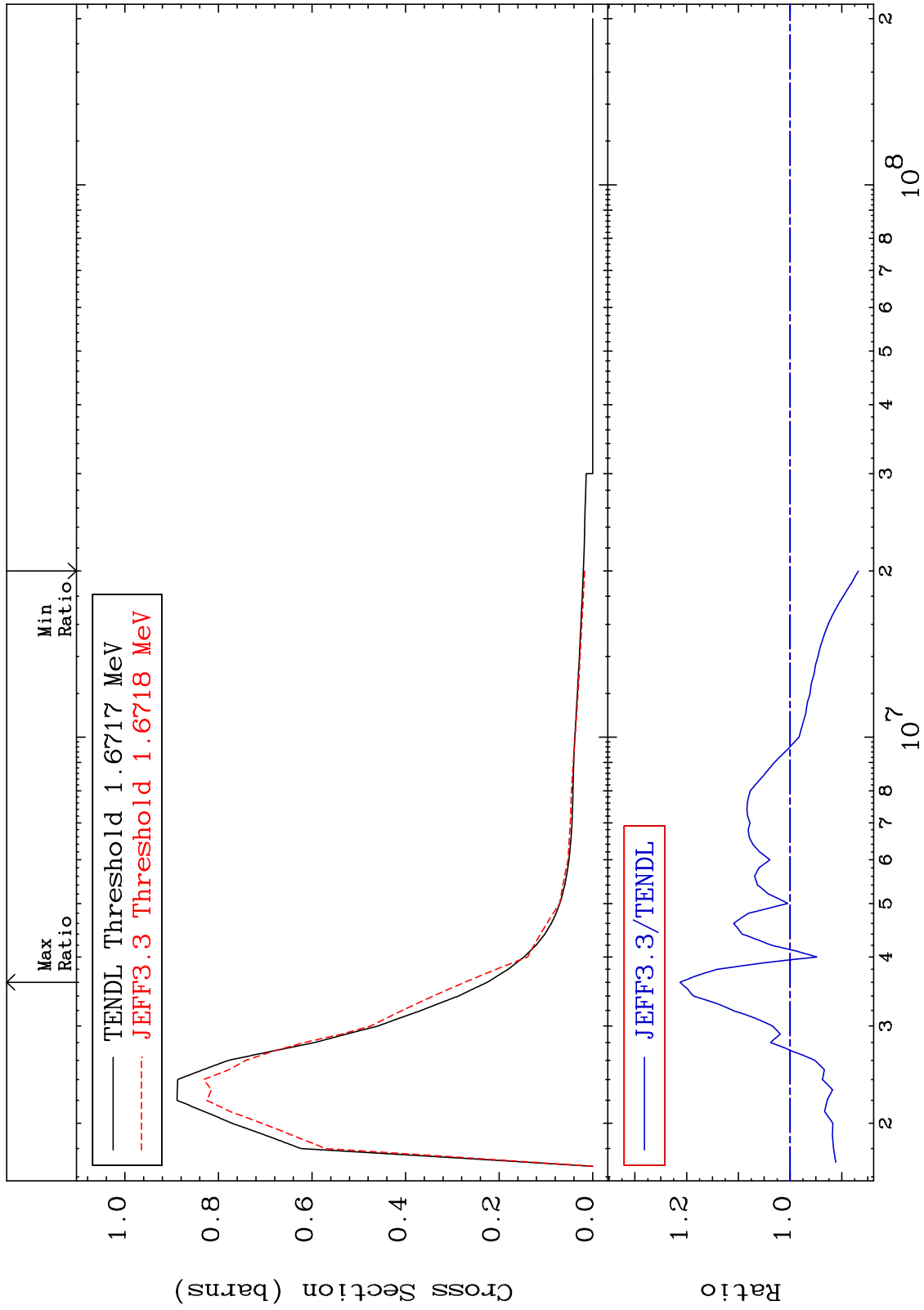
-54.14 To 77.08 %



MAT 6225

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

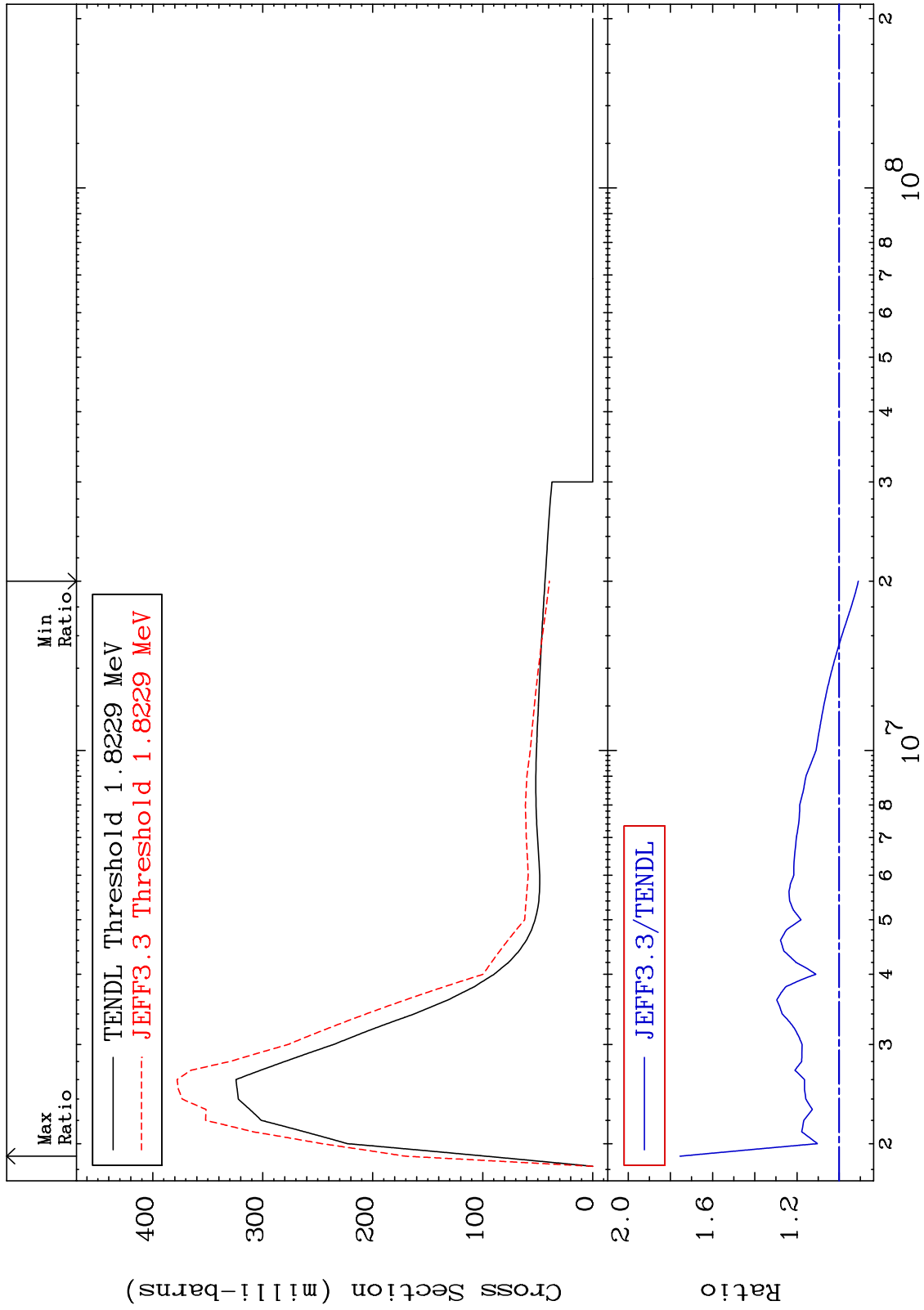
62-Sm-144
-13.21 To 21.28 %



MAT 6225

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

62-Sm-144
-9.082 To 75.46 %



10

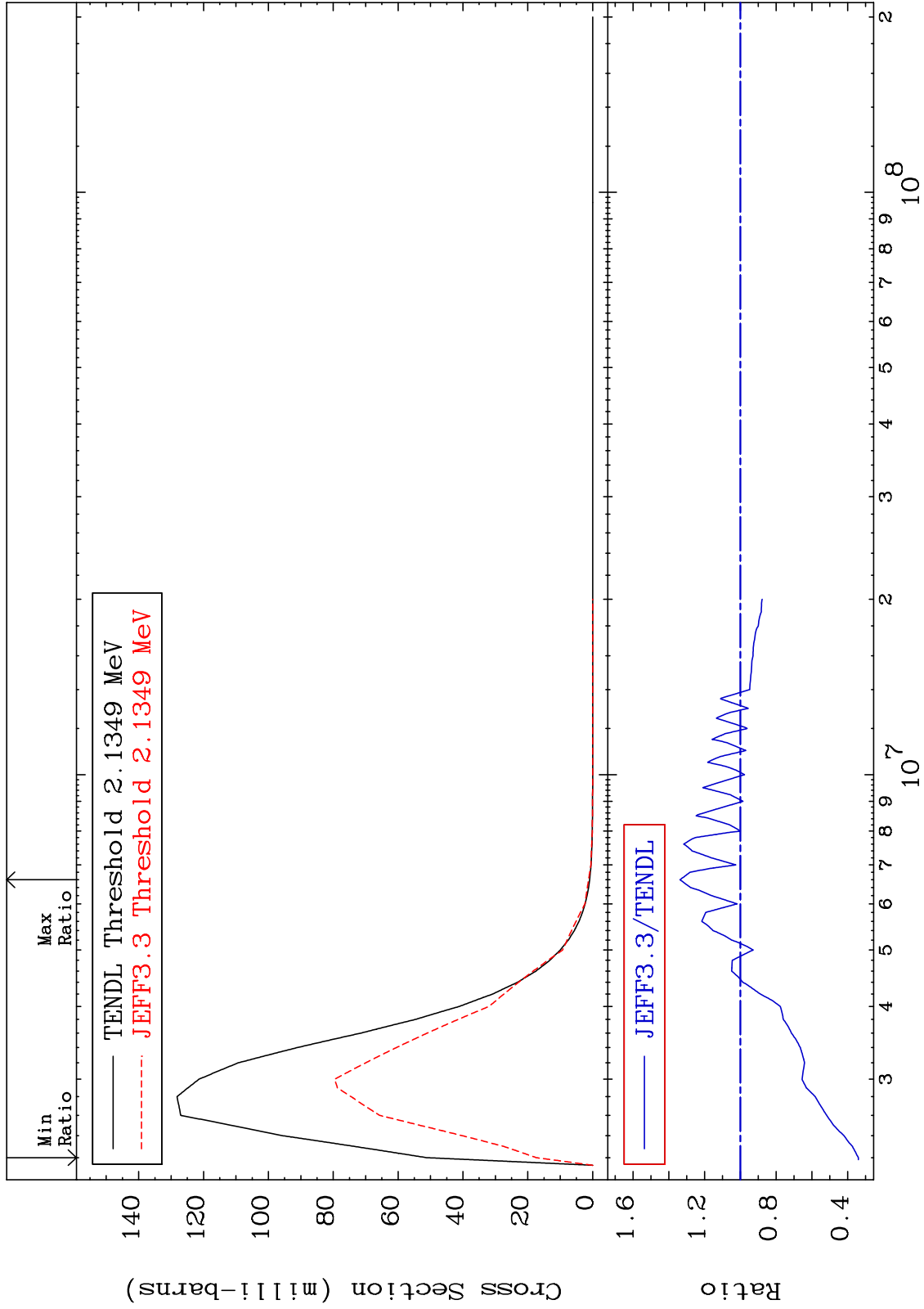
Incident Energy (eV)

62-Sm-144

MAT 6225

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

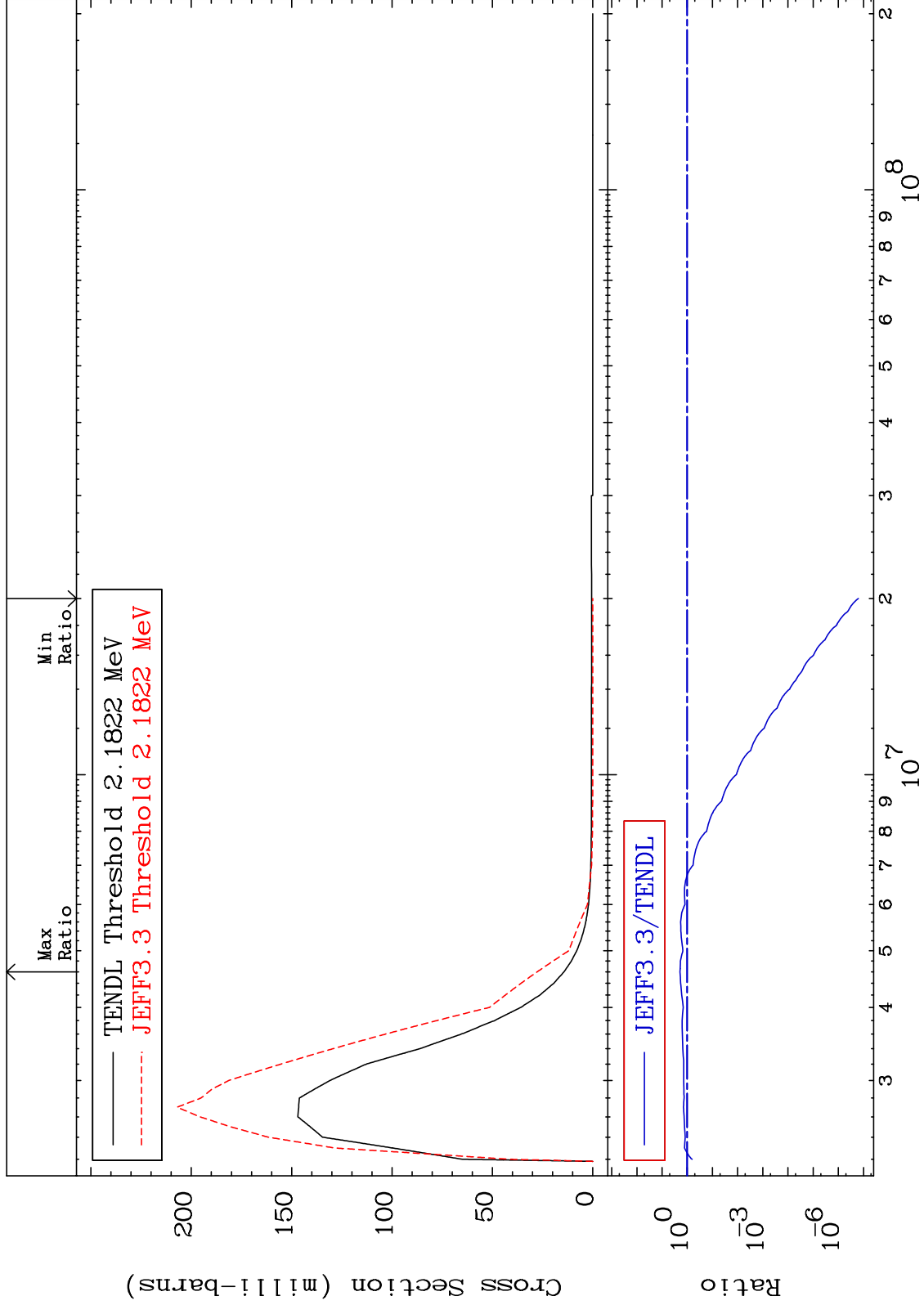
62-Sm-144
-66.02 To 33.69 %



MAT 6225

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

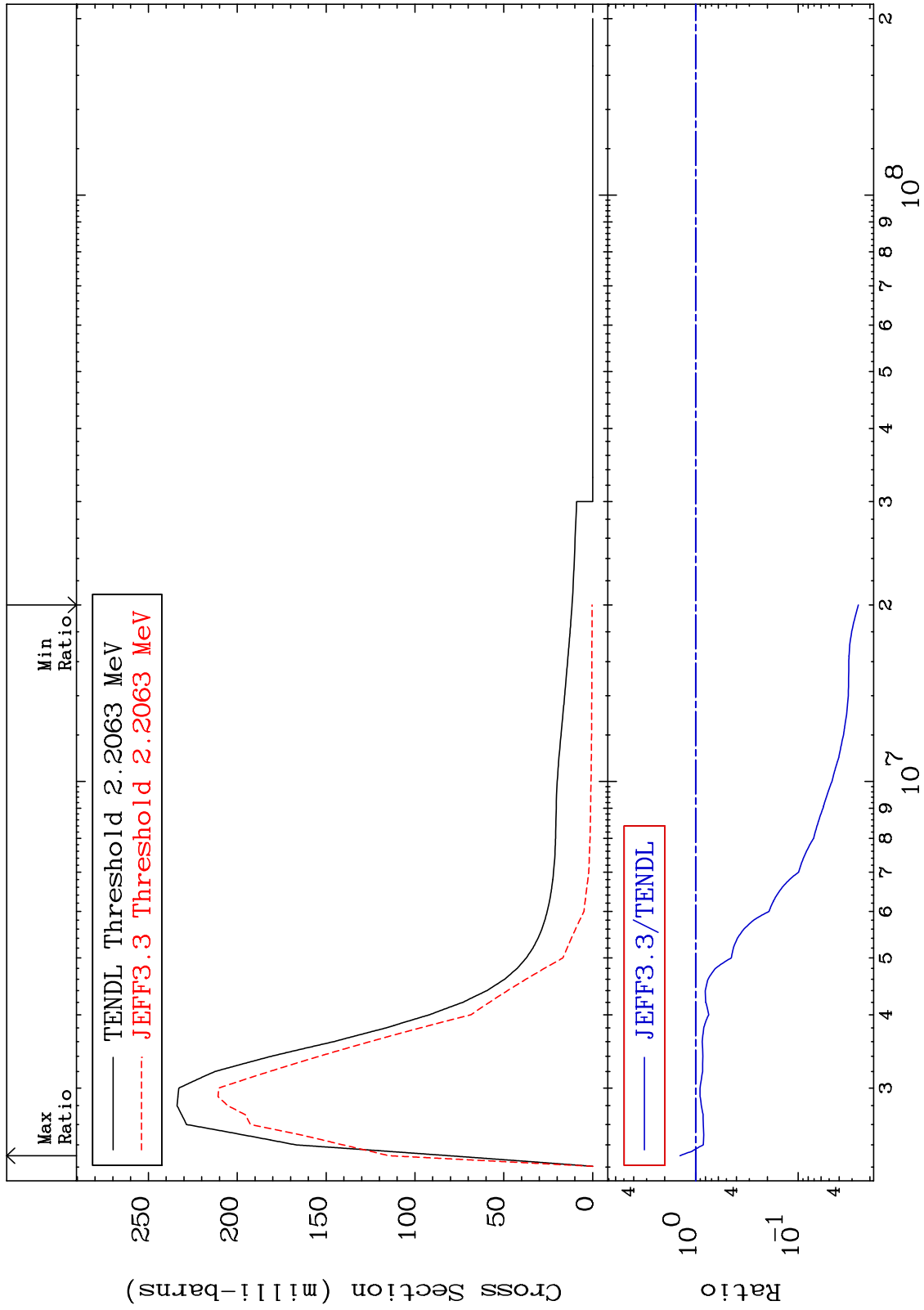
62-Sm-144
-100.0 To 93.62 %



MAT 6225

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

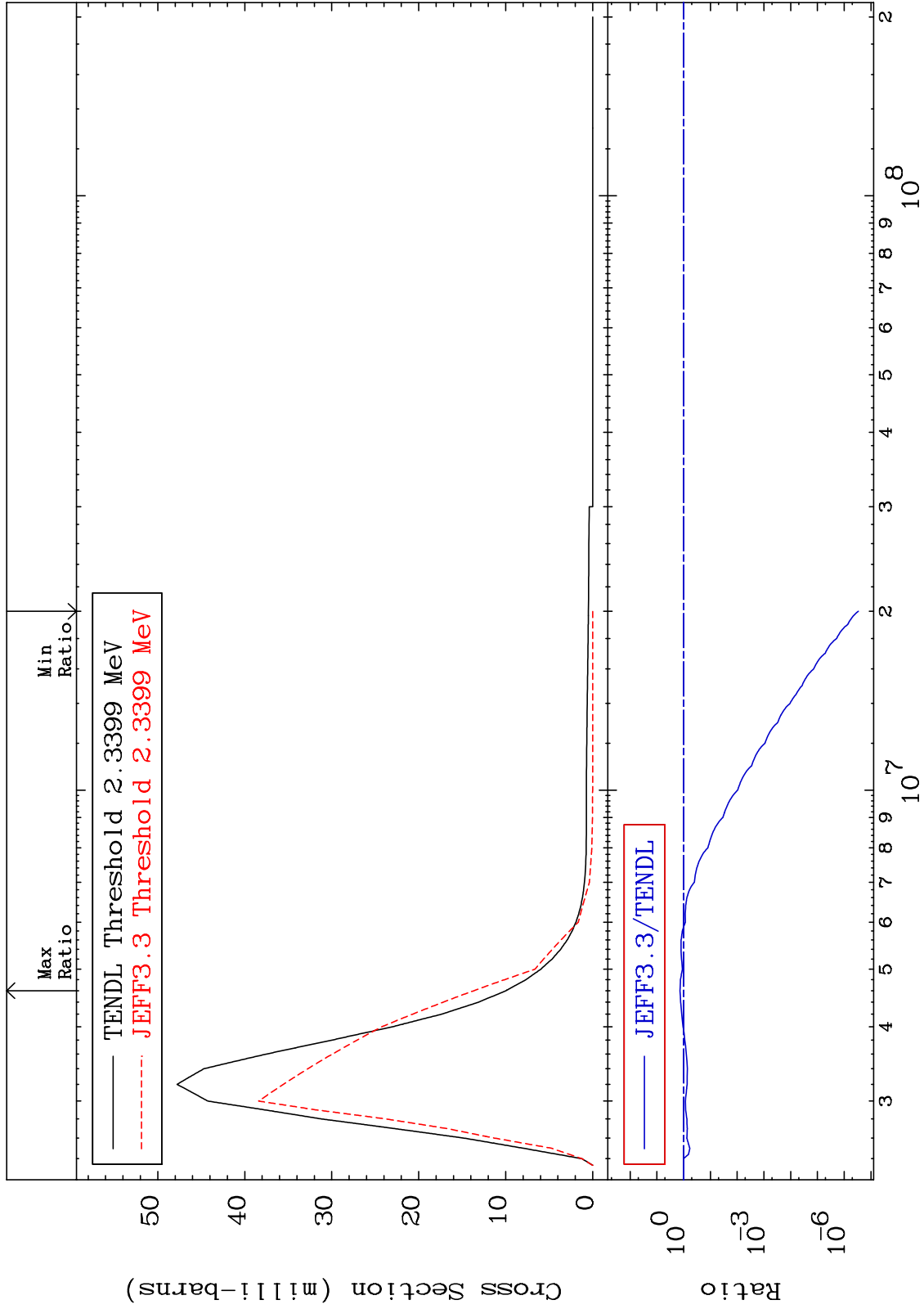
62-Sm-144
-97.41 To 41.83 %



MAT 6225

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

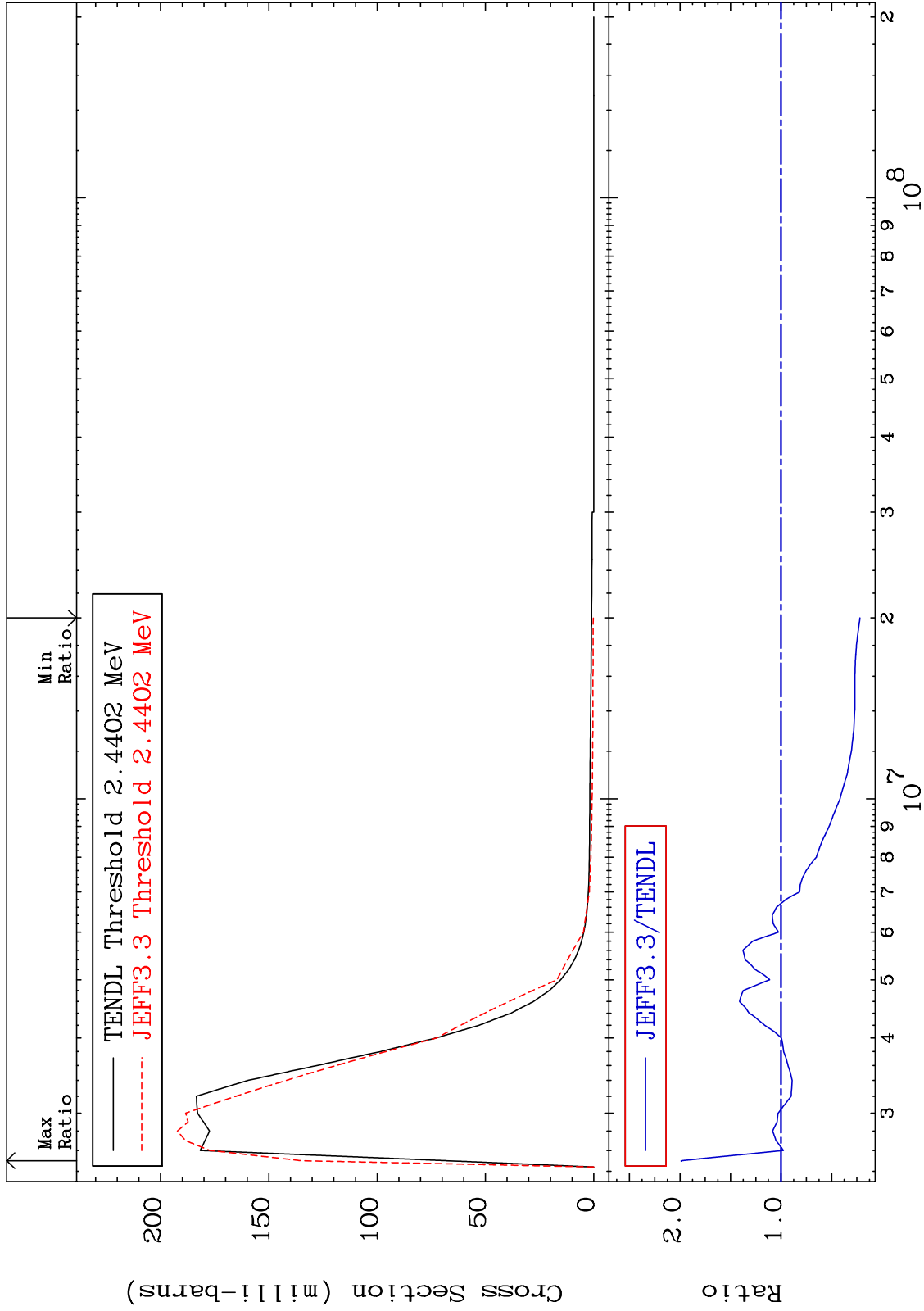
62-Sm-144
-100.0 To 37.09 %



MAT 6225

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

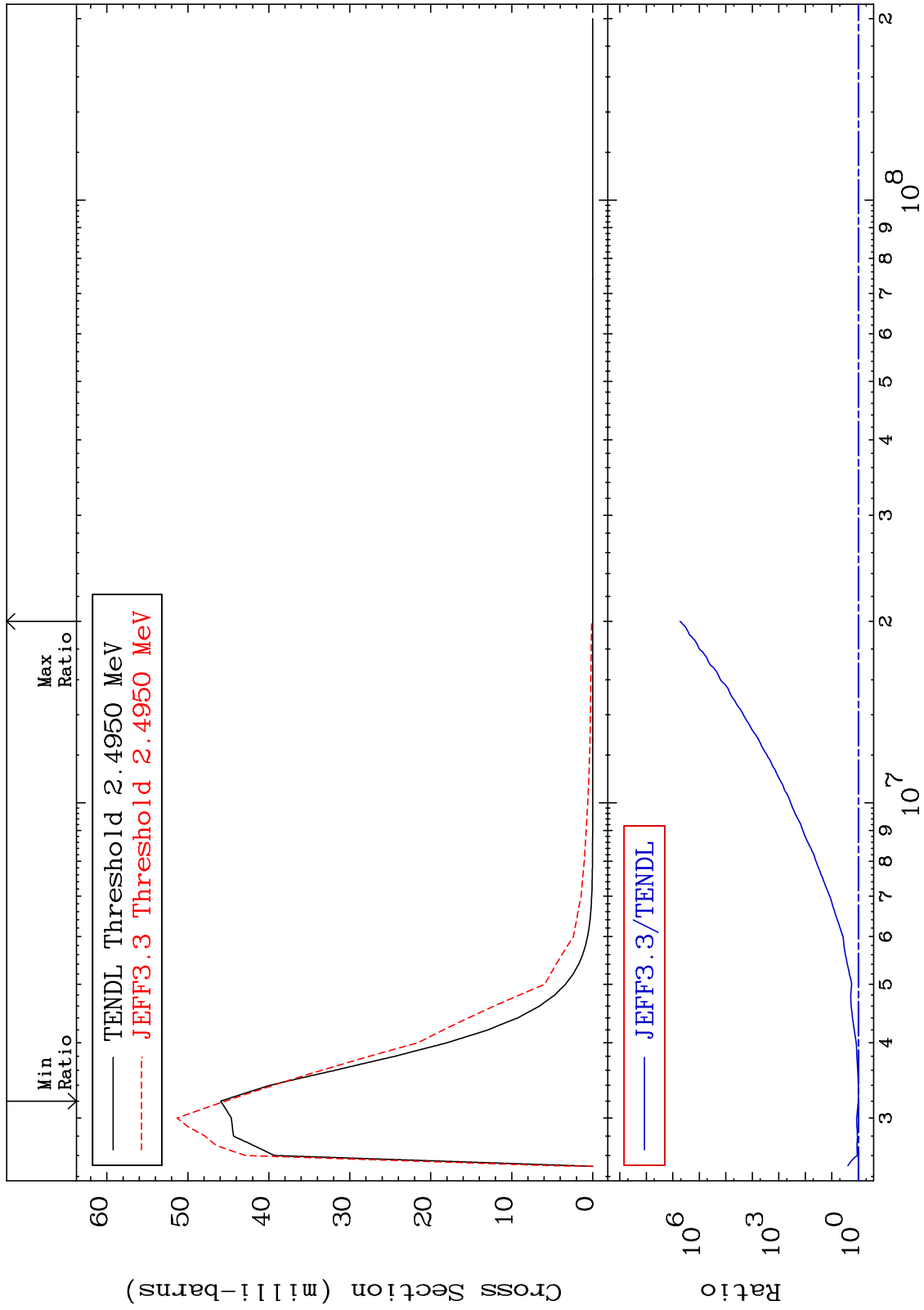
62-Sm-144
-78.00 To 98.76 %



MAT 6225

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

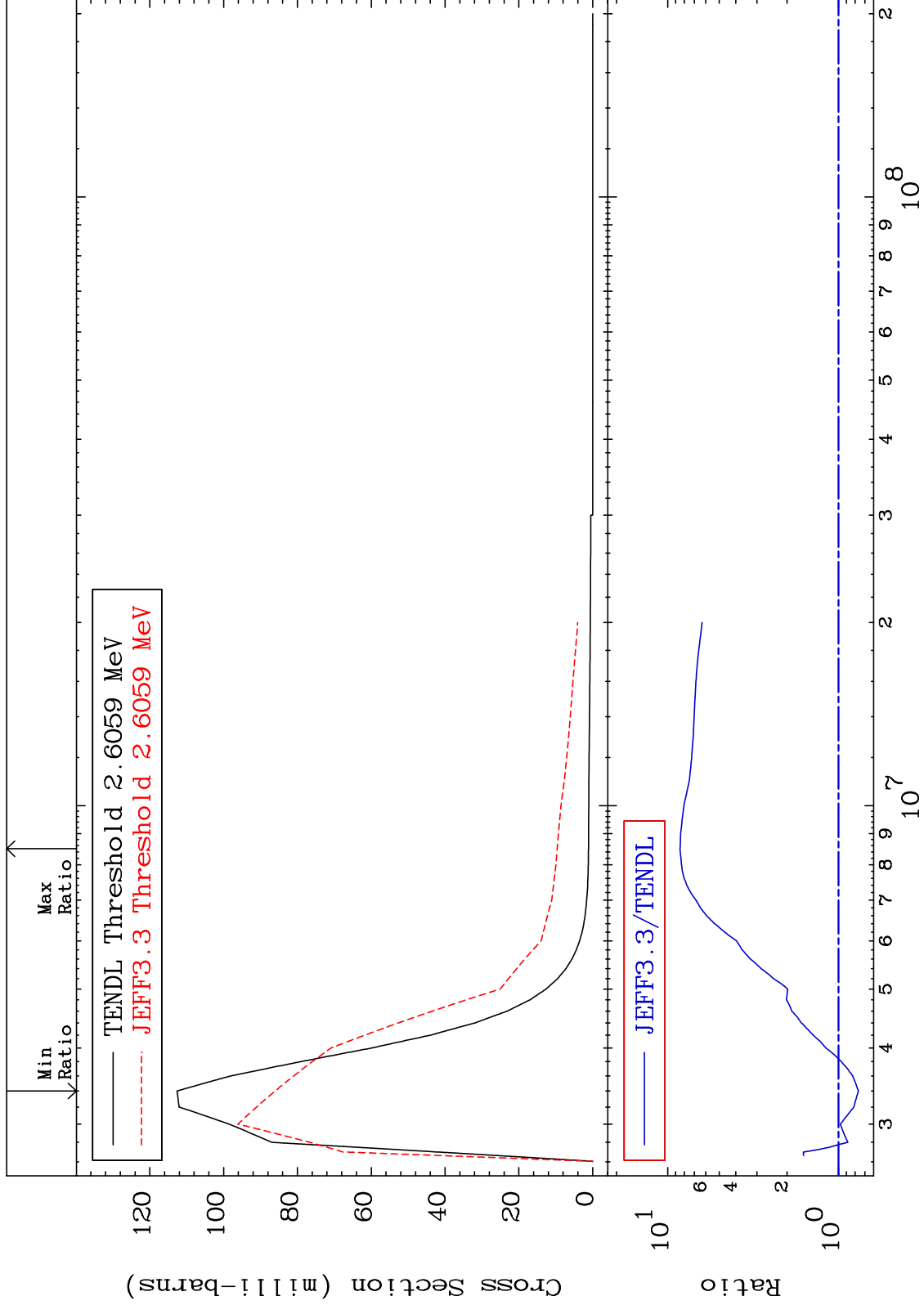
62-Sm-144
-1.237 To 9999. %



MAT 6225

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

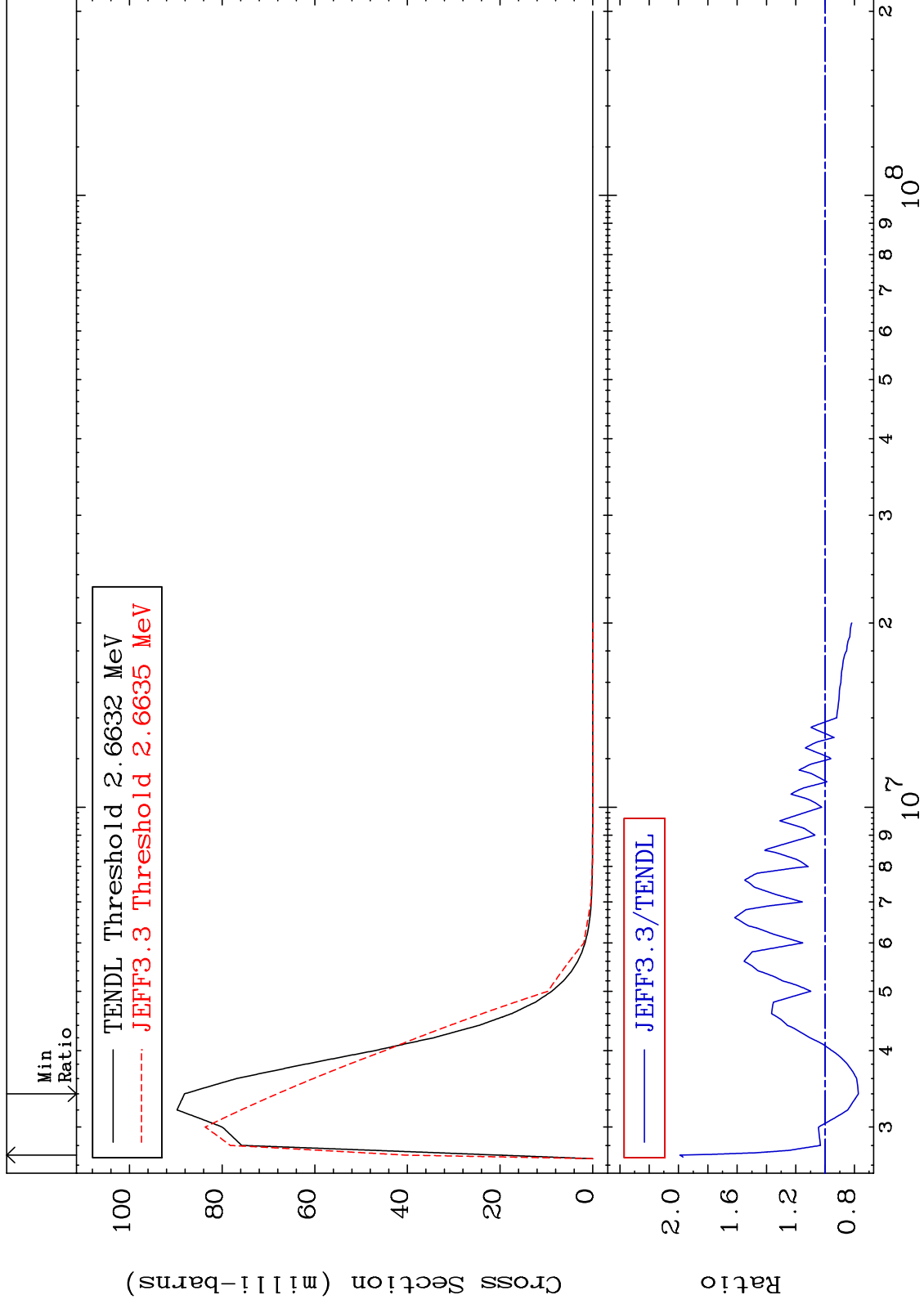
62-Sm-144
-23.60 To 748.1 %



MAT 6225

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

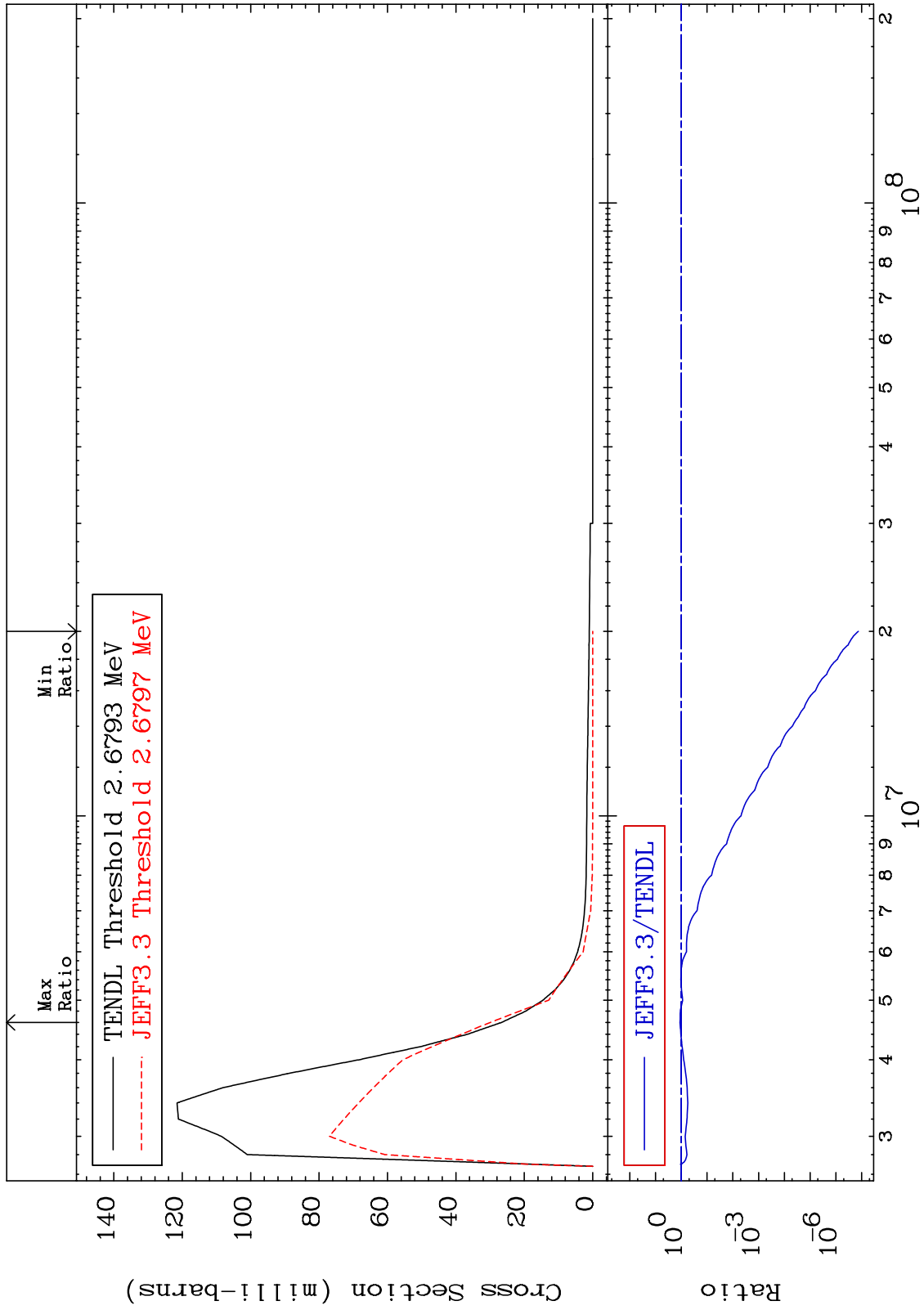
62-Sm-144
-22.68 To 98.99 %



MAT 6225

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

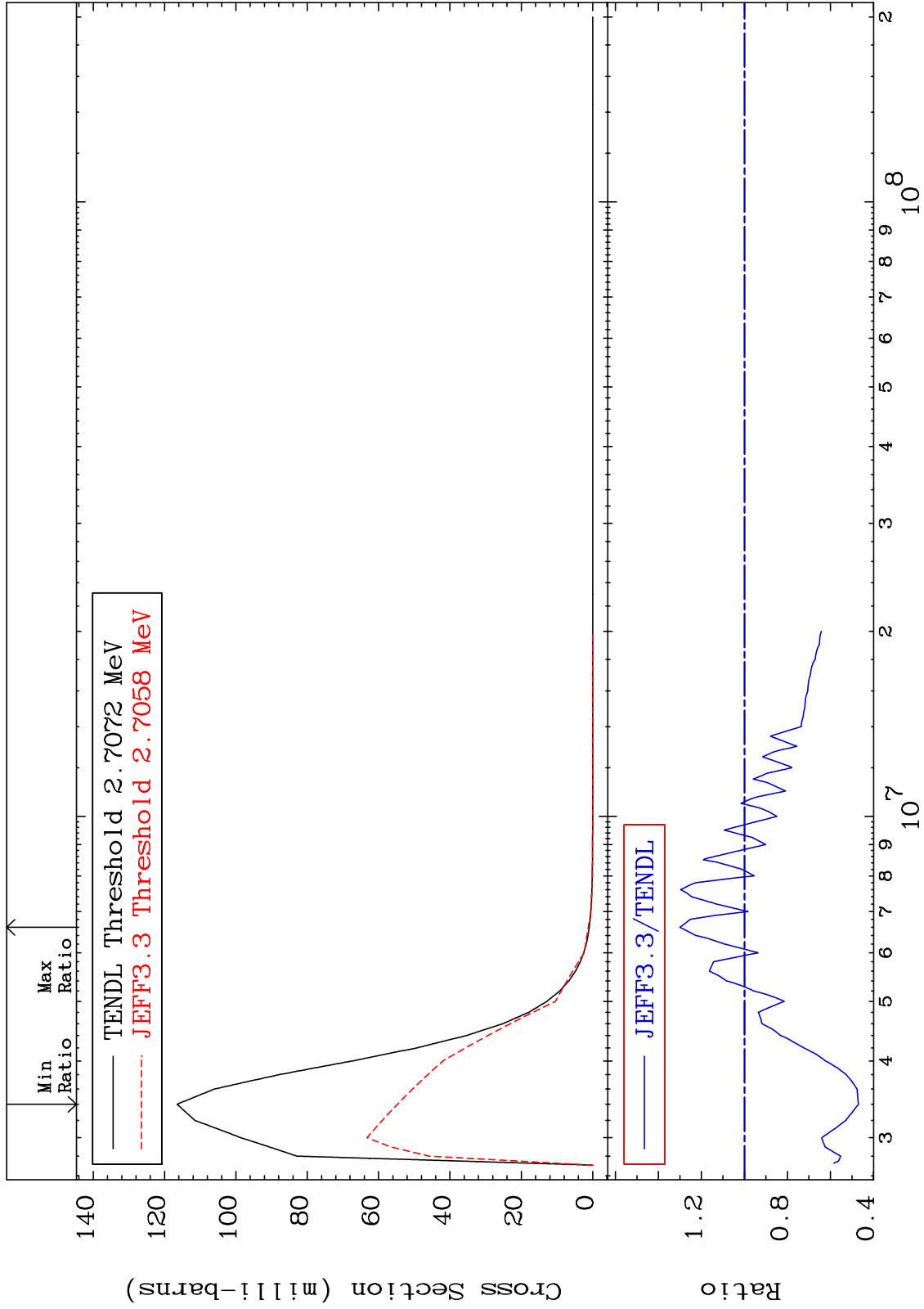
62-Sm-144
-100.0 To 12.26 %



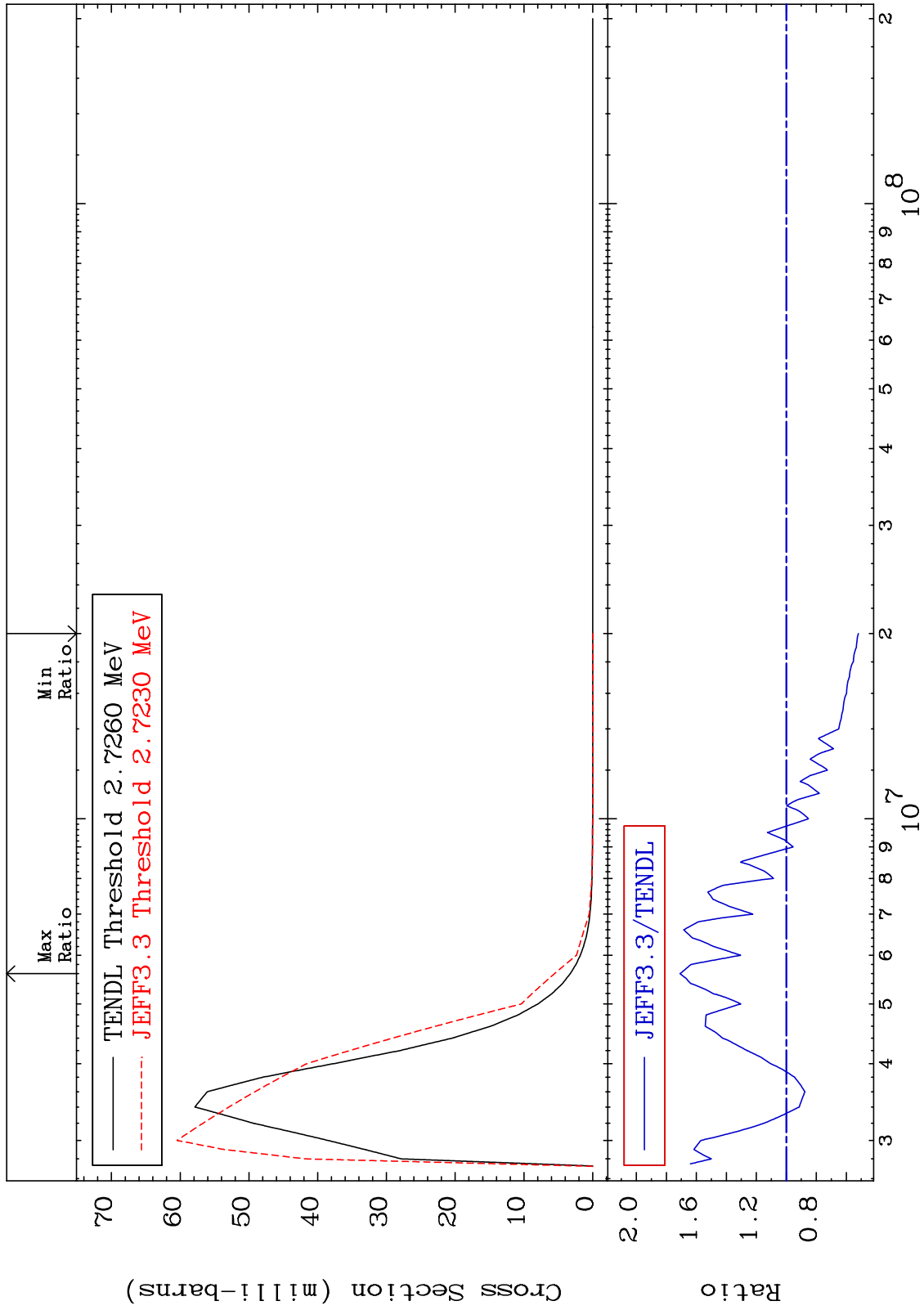
MAT 6225

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

62-Sm-144
-53.01 To 29.96 %



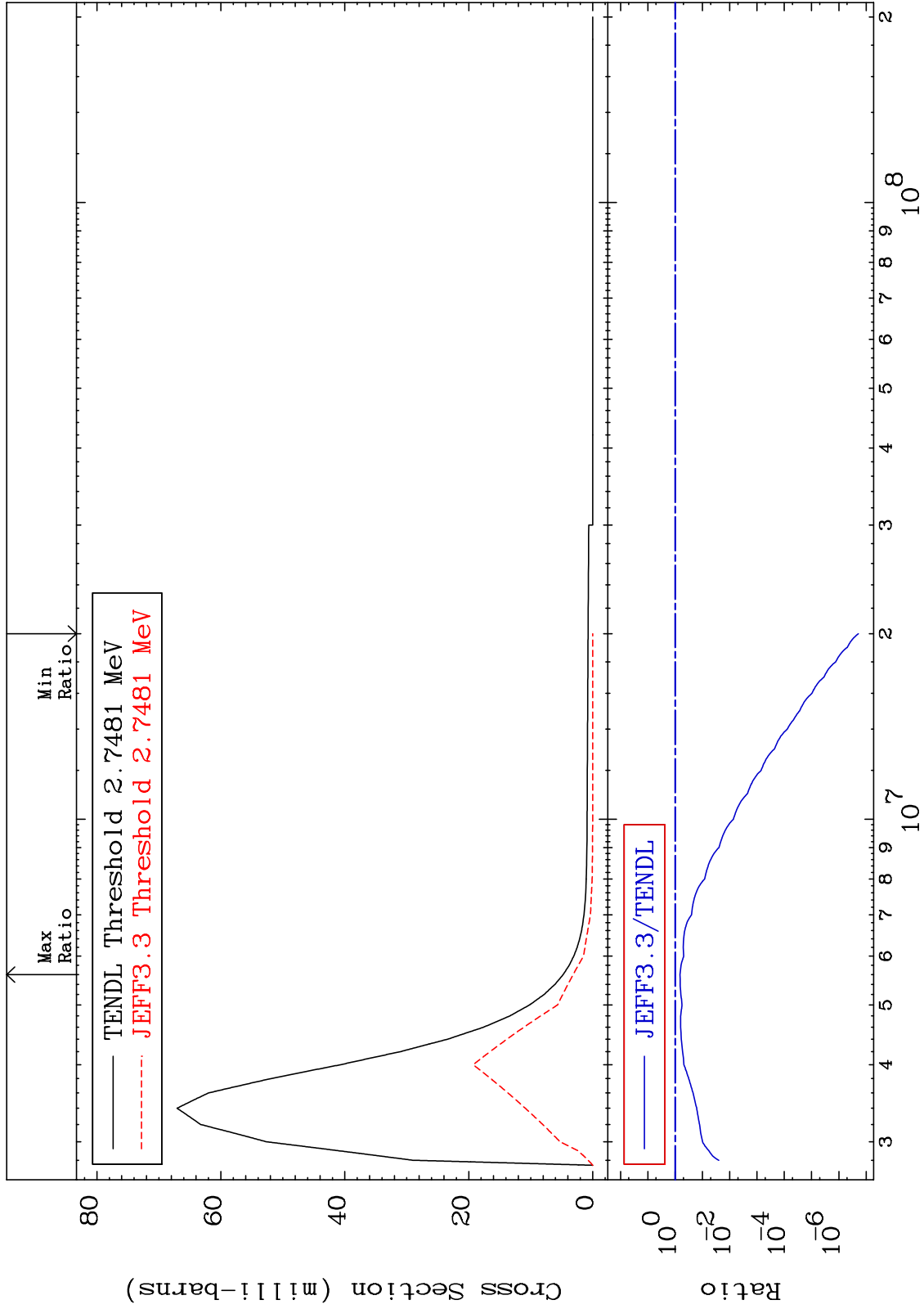
MAT 6225 MT= 63 (n,n') Level Cross Section 62-Sm-144 -48.10 To 70.87 %



MAT 6225

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

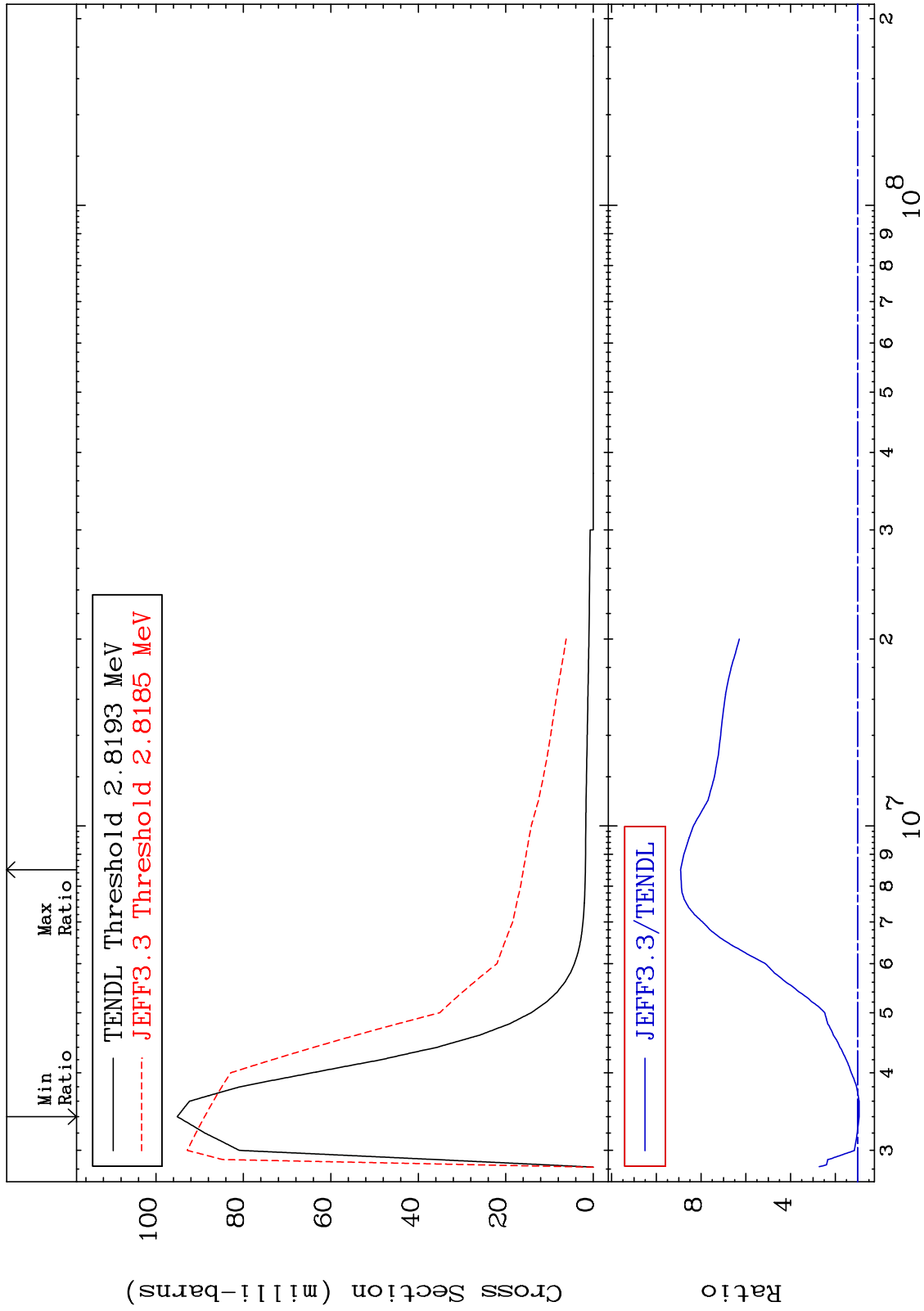
62-Sm-144
-100.0 To -33.77%



MAT 6225

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

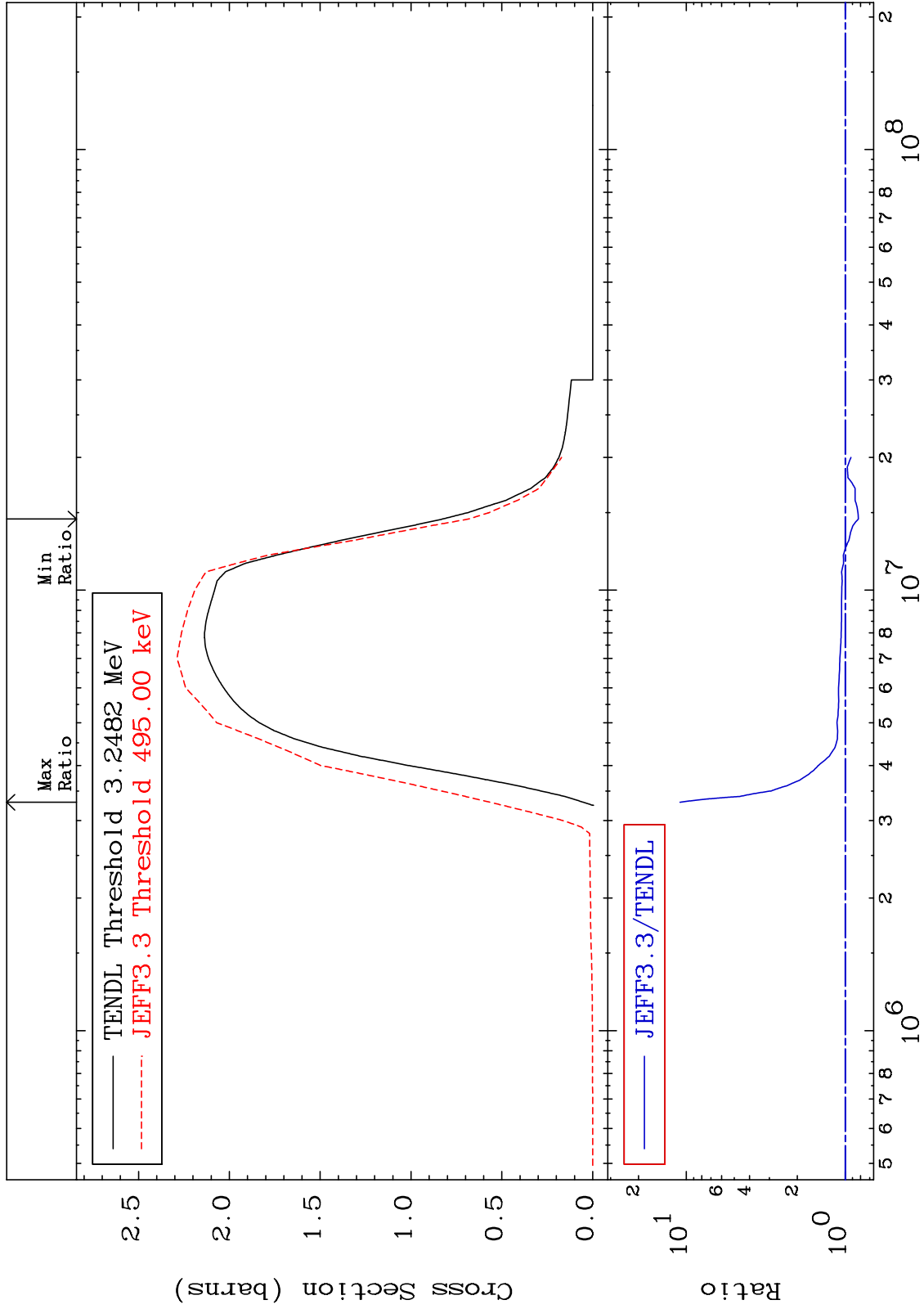
62-Sm-144
-6.584 To 791.6 %



MAT 6225

(n, n') Continuum
Cross Section

62-Sm-144
-17.43 To 996.4 %



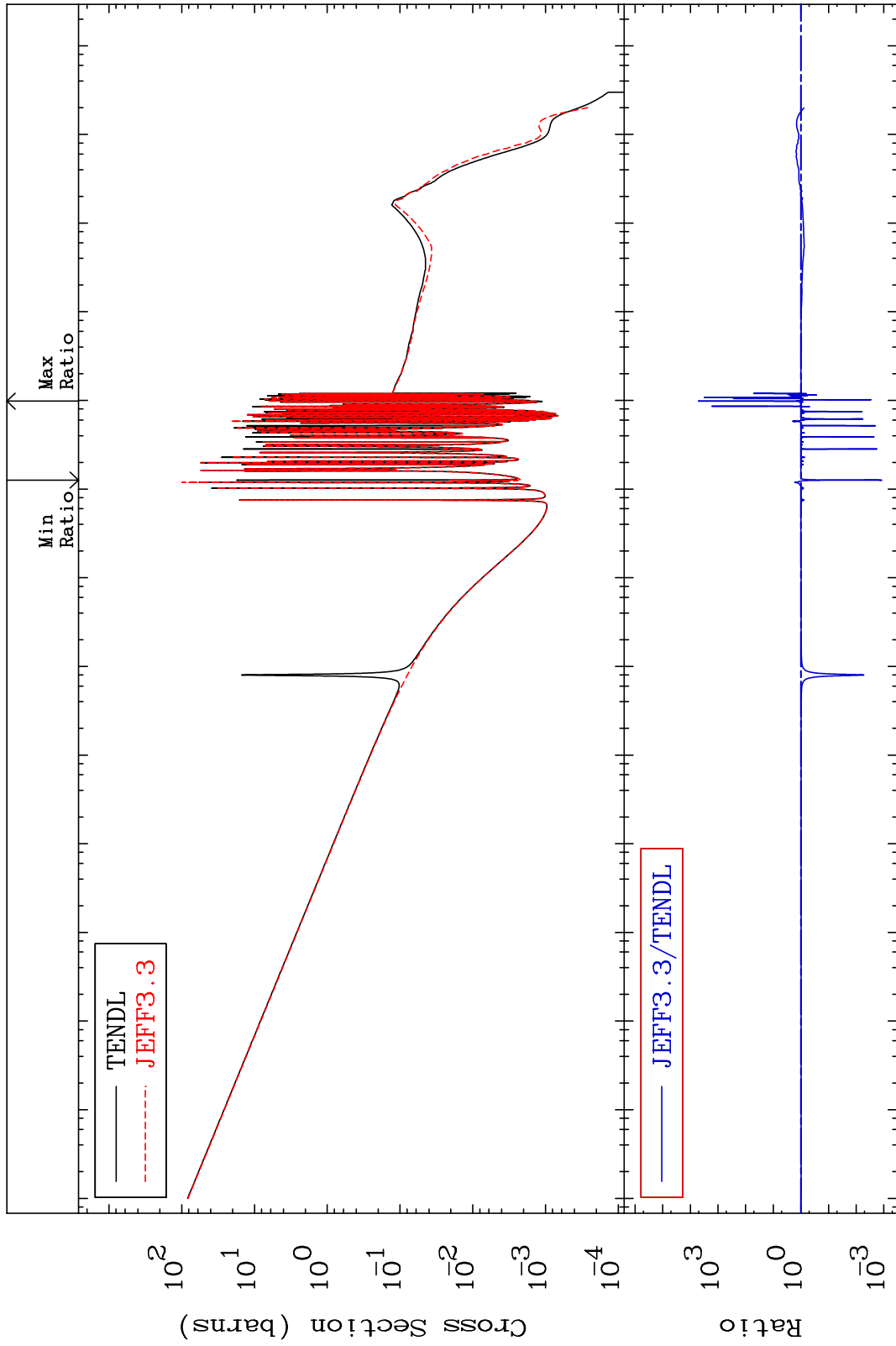
MAT 6225

(n, γ)

62-Sm-144

Cross Section

-99.88 To 9999. %



25

Incident Energy (eV)

62-Sm-144

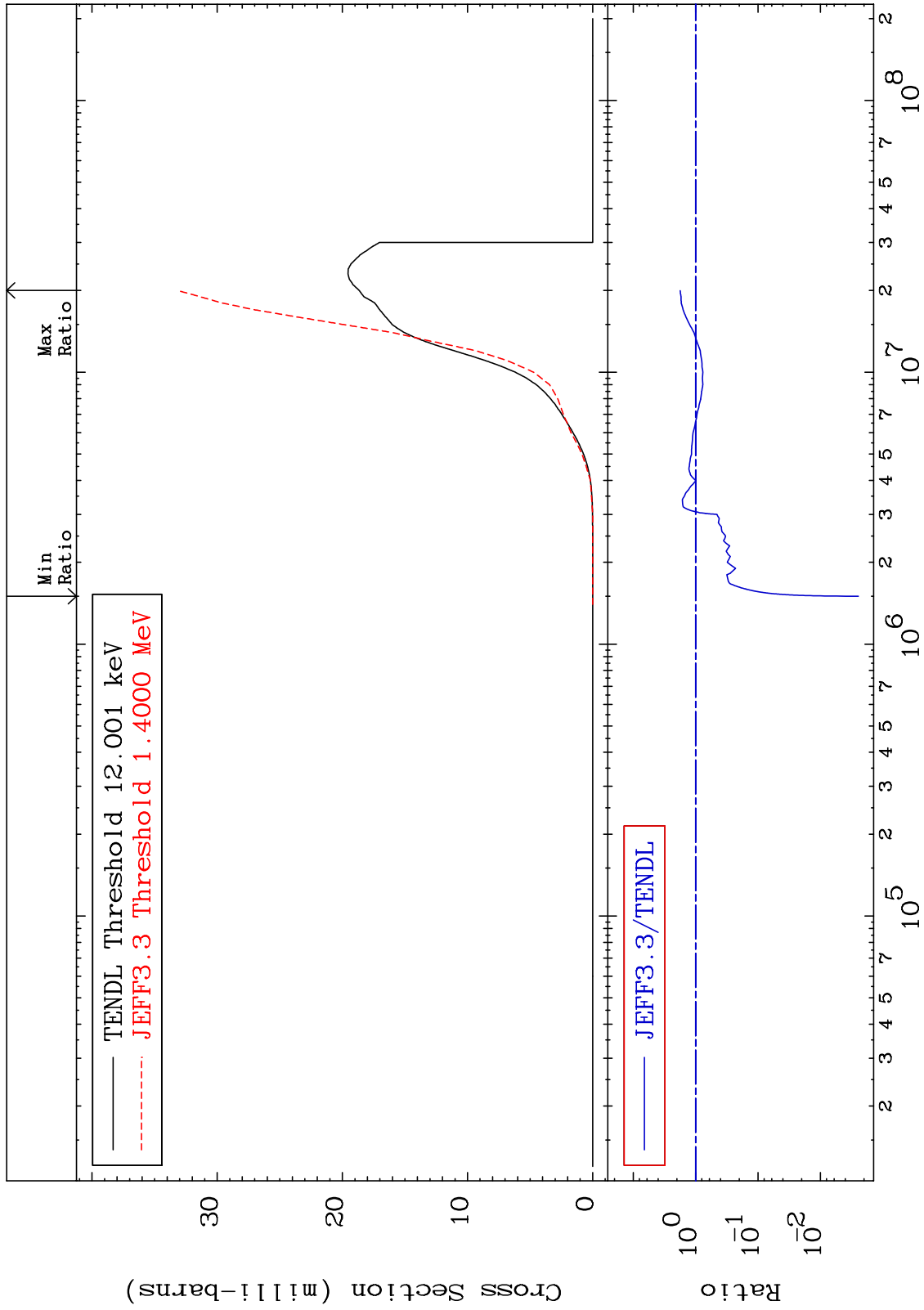
MAT 6225

(n, p)

62-Sm-144

Cross Section

-99.75 To 77.99 %



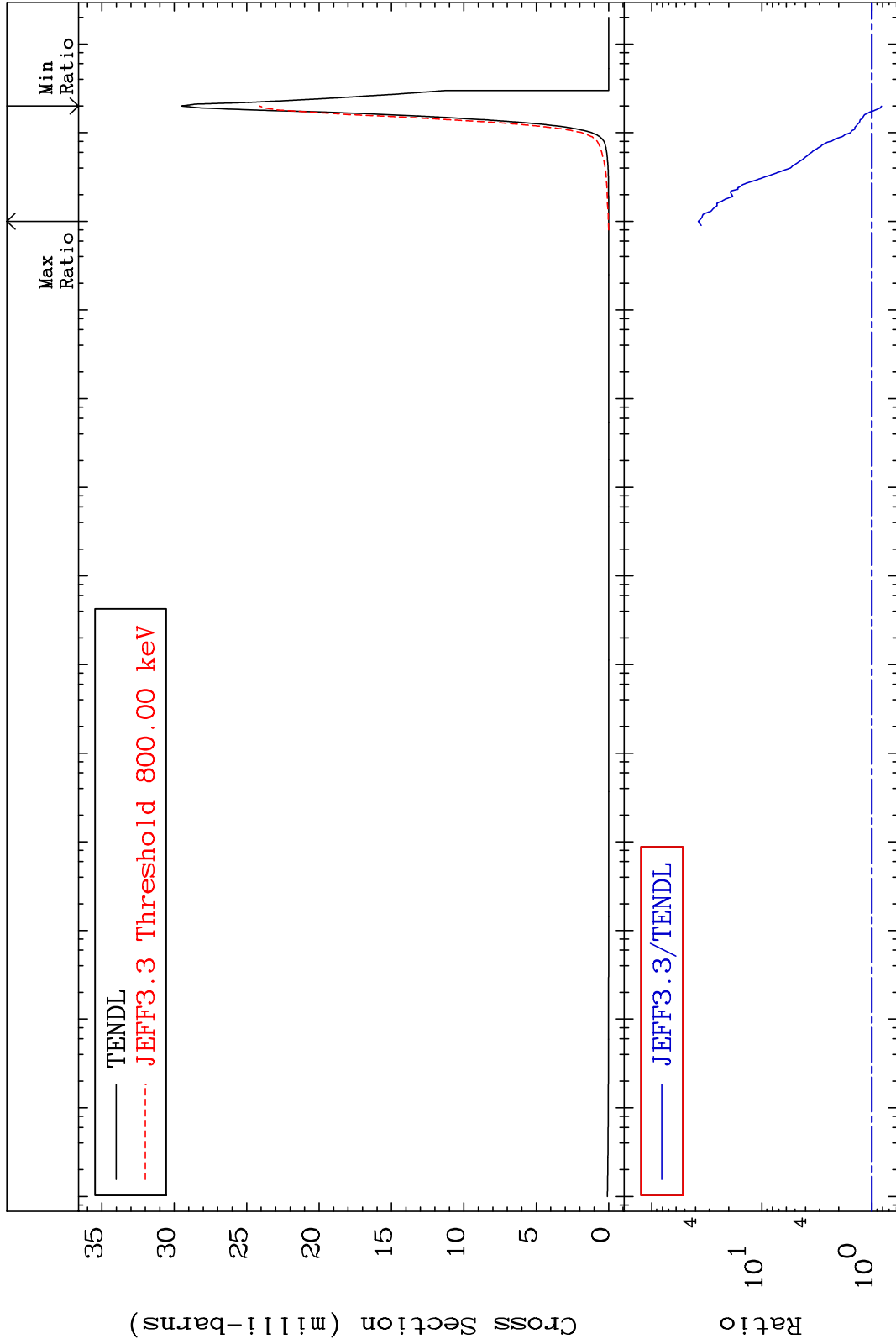
MAT 6225

(n, α)

62-Sm-144

Cross Section

-18.16 To 3669. %



Incident Energy (eV)

27

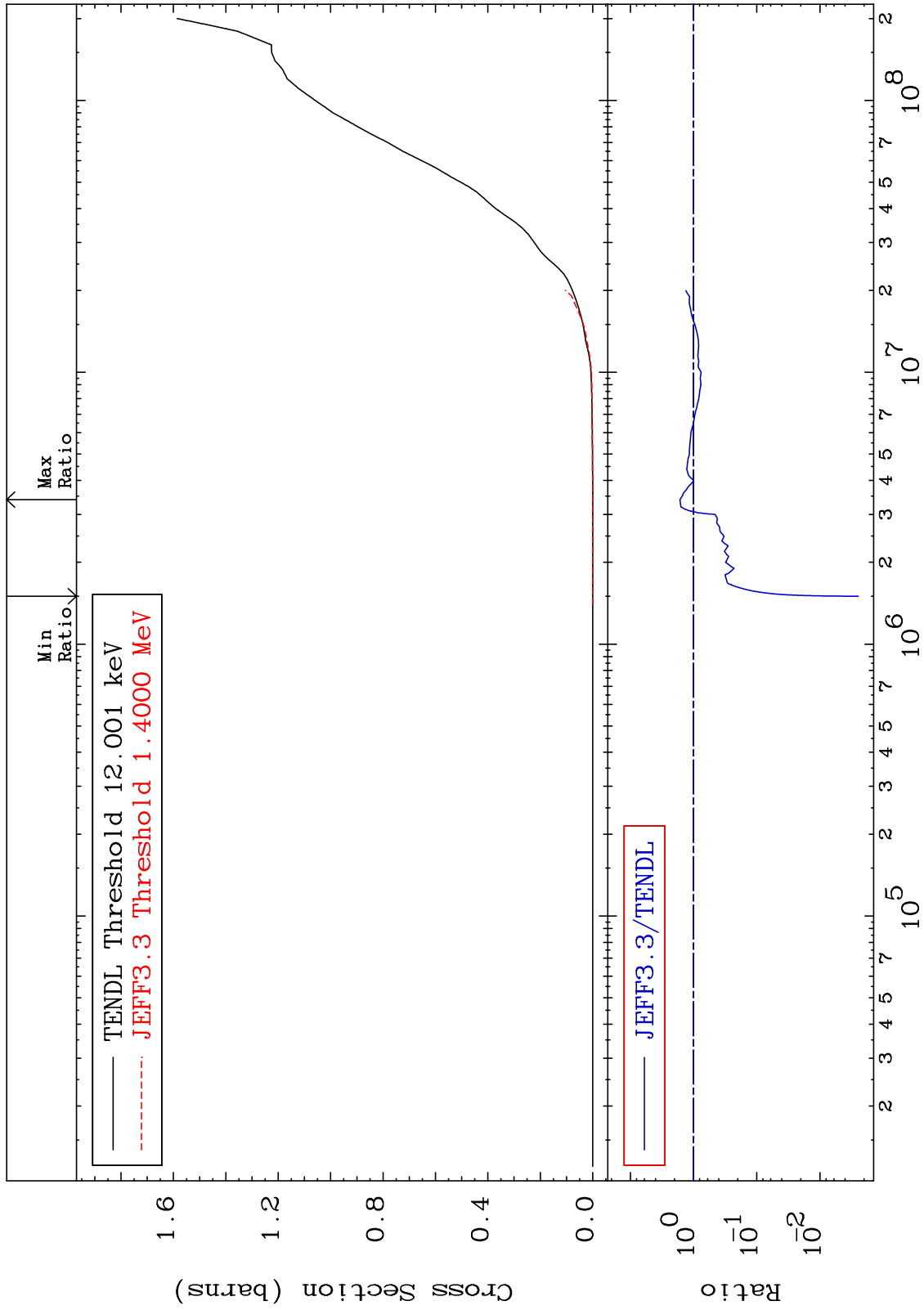
62-Sm-144

62-Sm-144

MAT 6225

Hydrogen Production
Cross Section

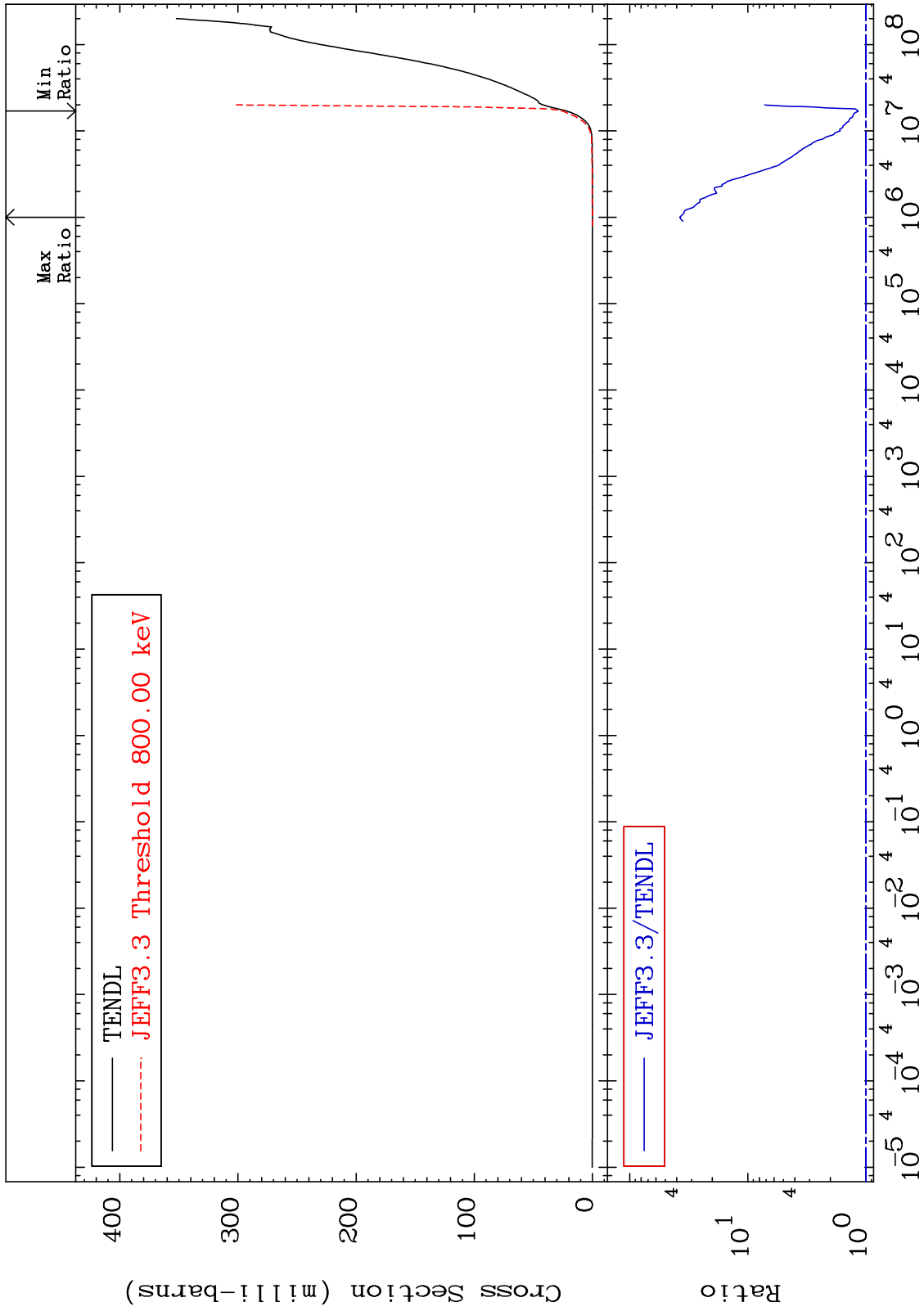
62-Sm-144
-99.75 To 63.82 %



MAT 6225

He-4 Production
Cross Section

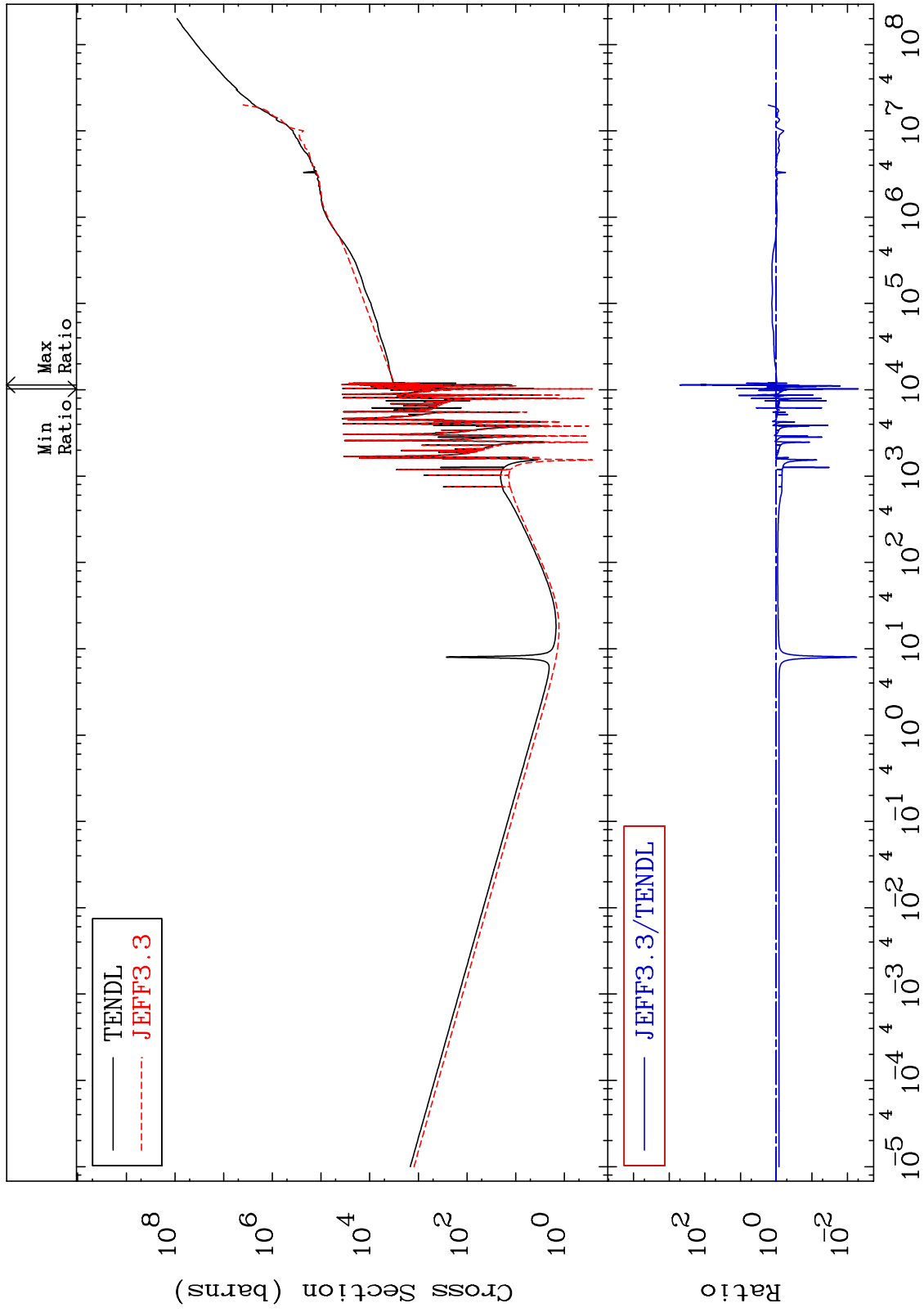
62-Sm-144
16.05 To 3669. %



MAT 6225

Kerma total (eV-barns)
Cross Section

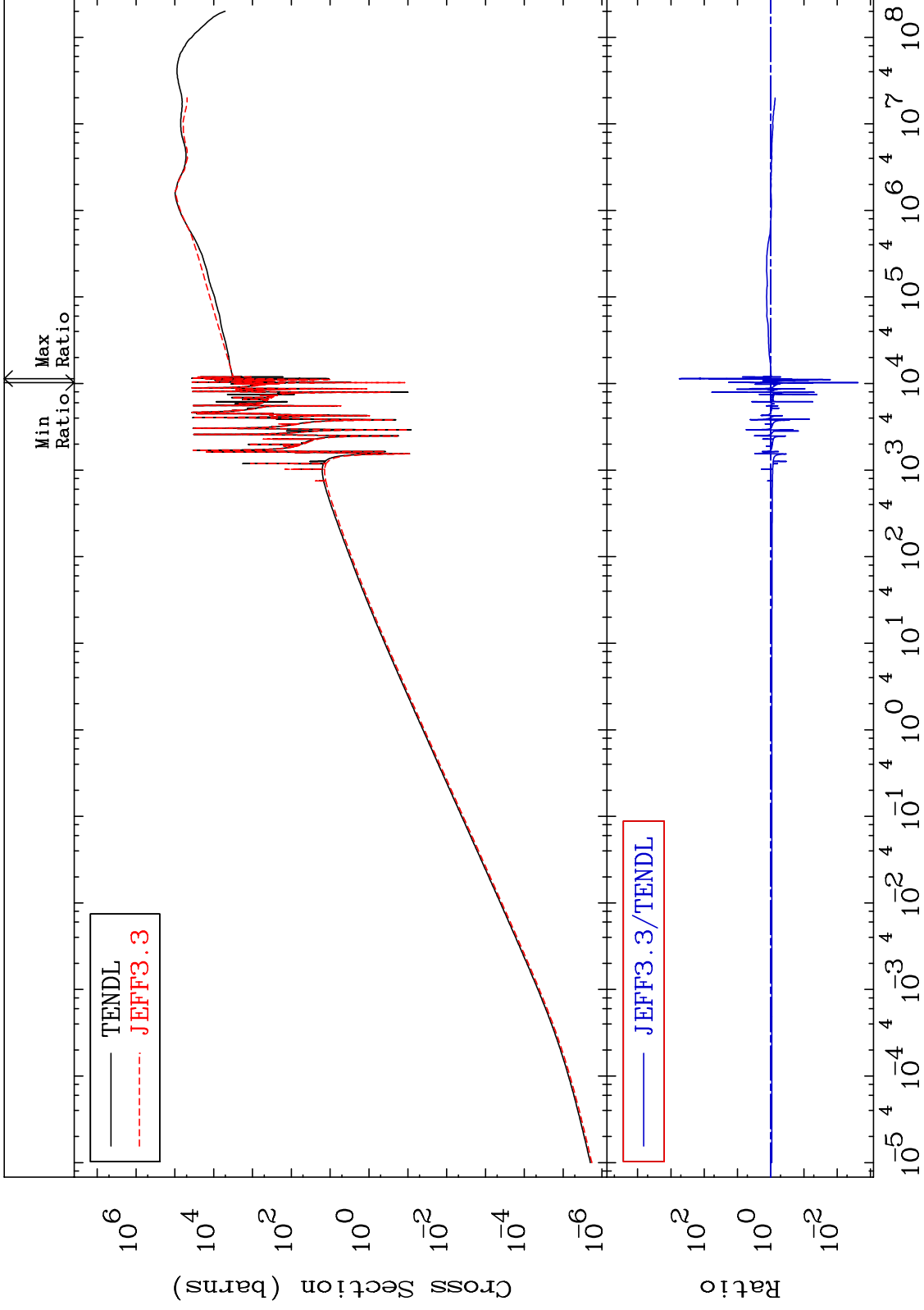
62-Sm-144
-99.51 To 9999. %



MAT 6225

Kerma elastic
Cross Section

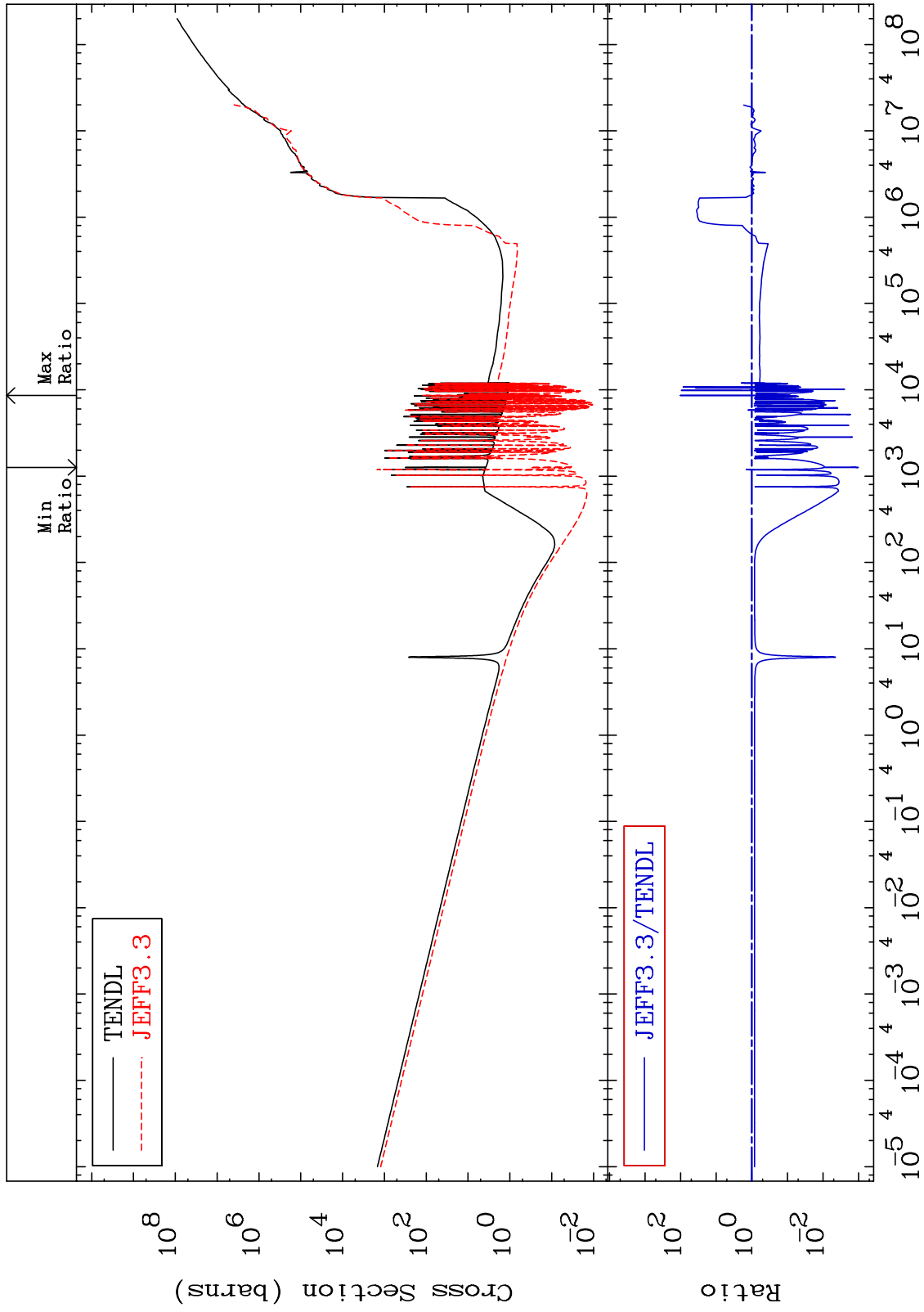
62-Sm-144
-99.77 To 9999. %



MAT 6225

Kerma non-elastic (all but mt2)
Cross Section

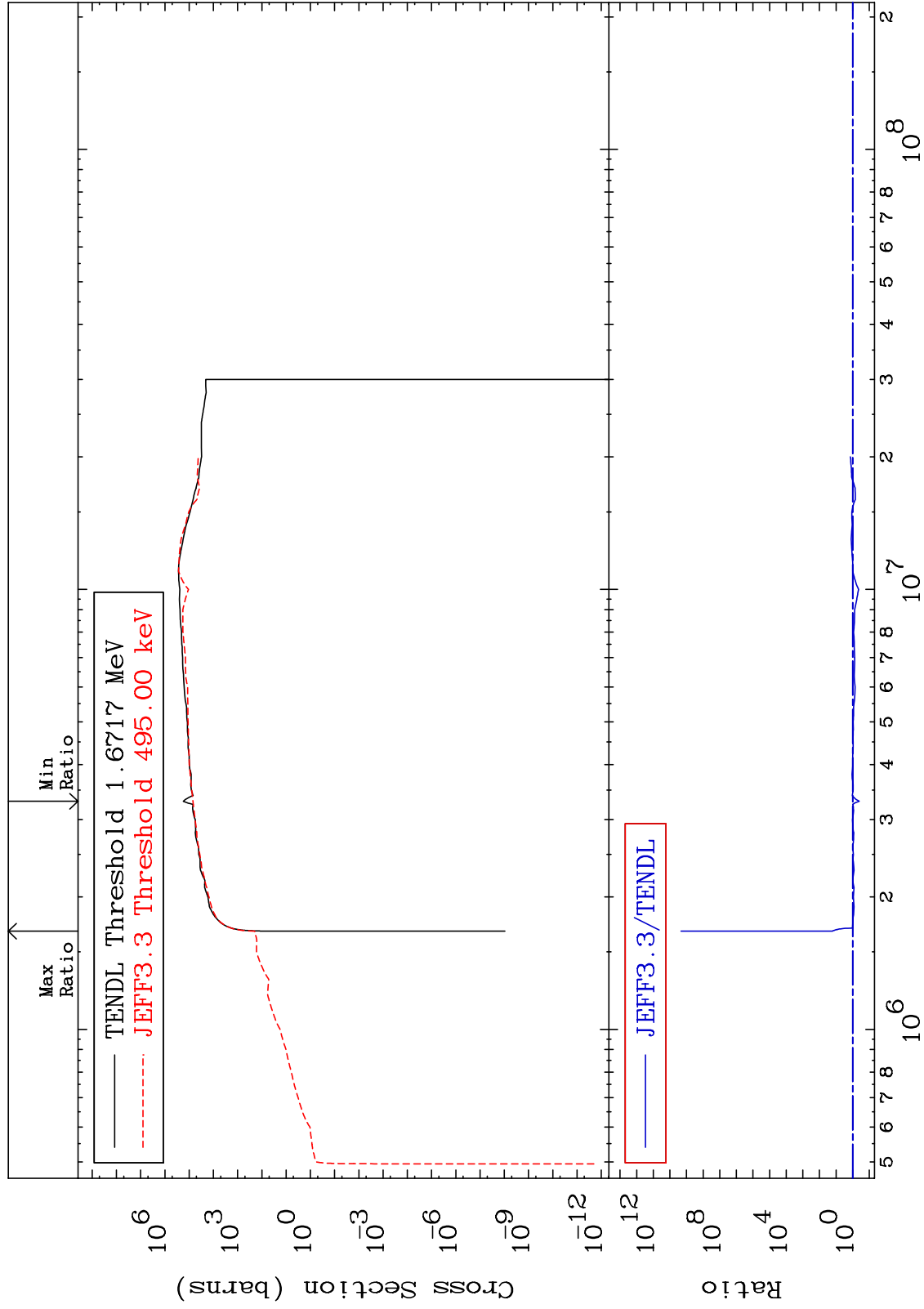
62-Sm-144
-99.90 To 9999. %



MAT 6225

Kerma inelastic (mt51-91)
Cross Section

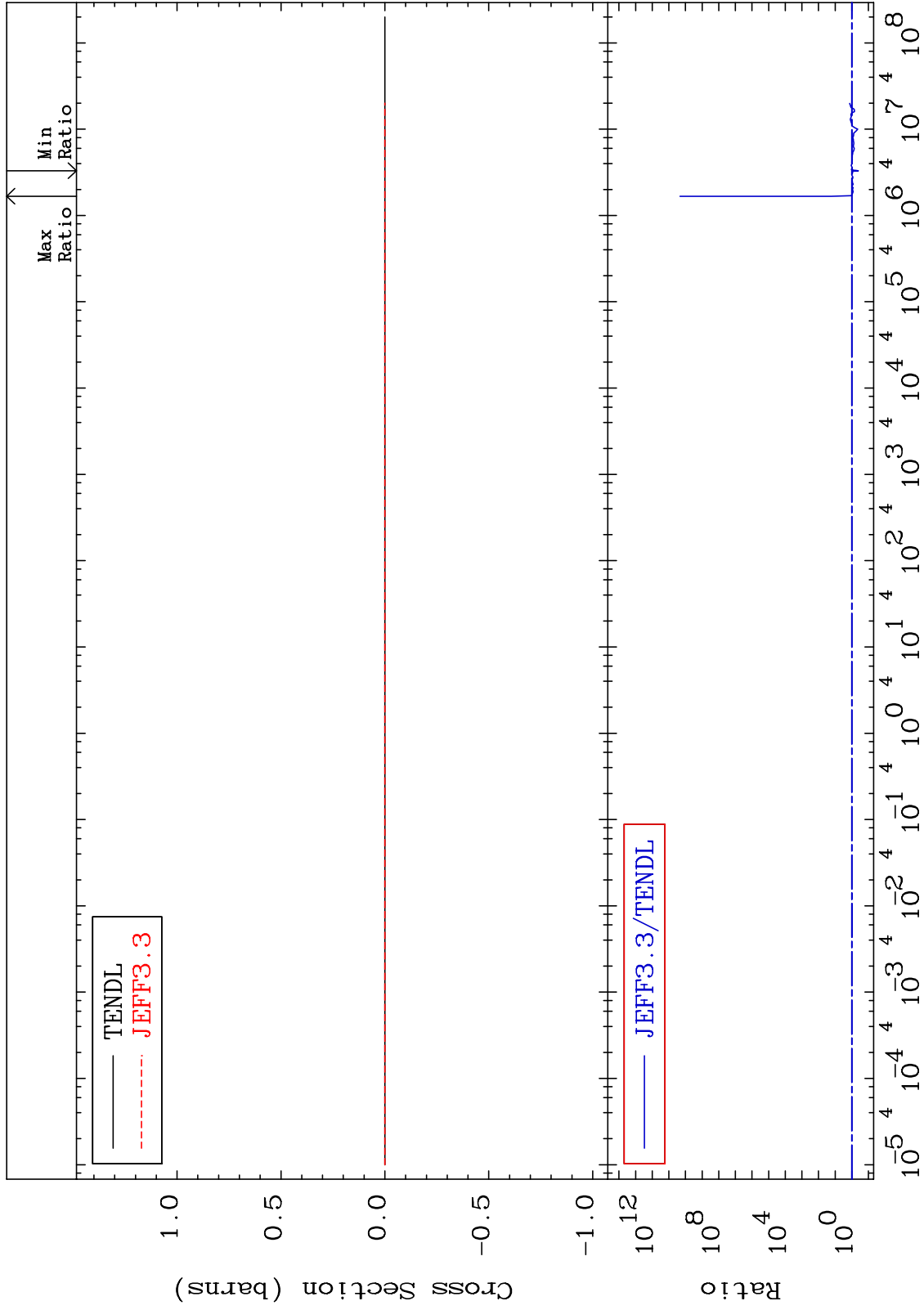
62-Sm-144
-59.86 To 9999. %



MAT 6225

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

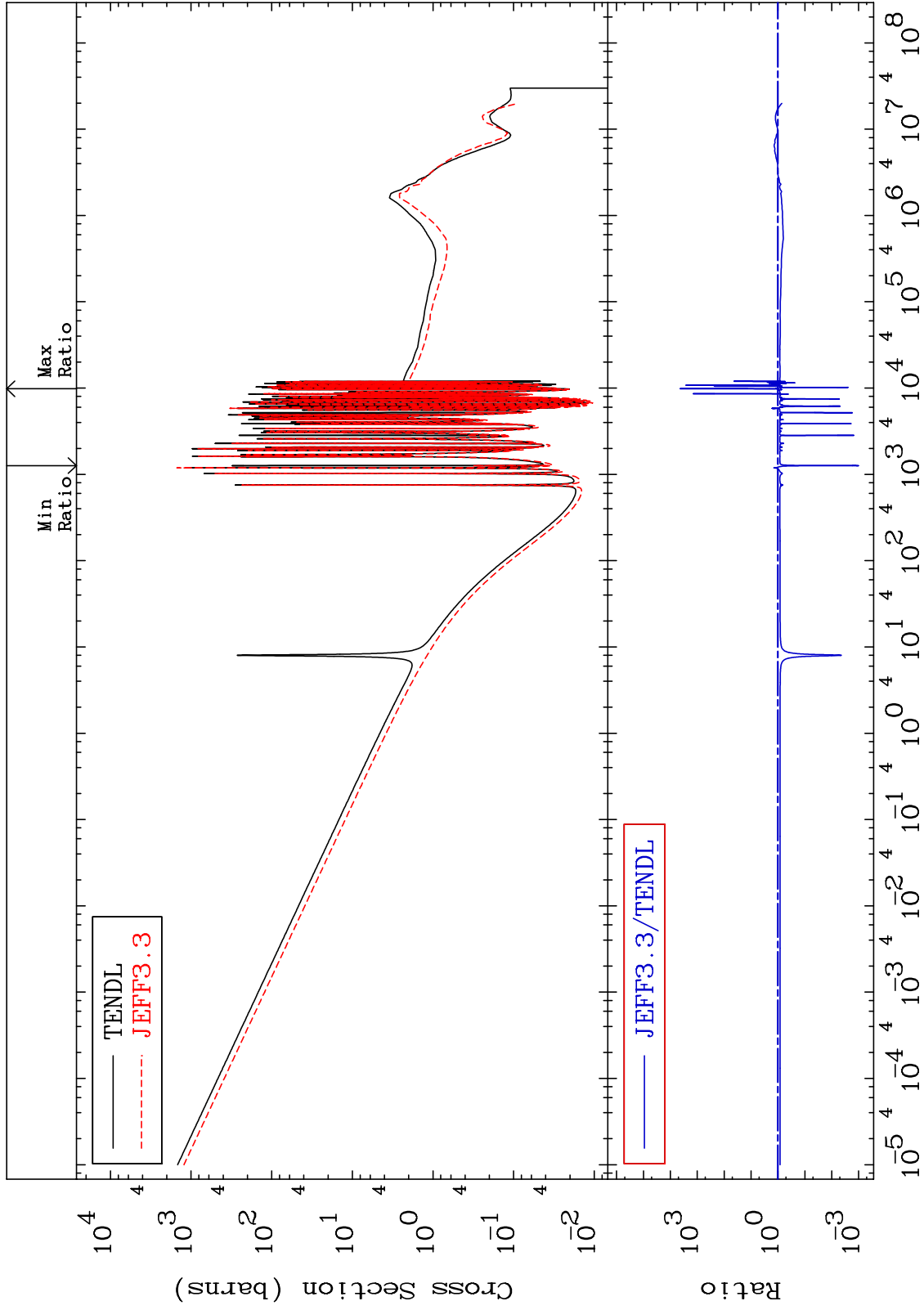
62-Sm-144
-59.86 To 9999. %



MAT 6225

Kerma capture (mt102)
Cross Section

62-Sm-144
-99.90 To 9999. %



35

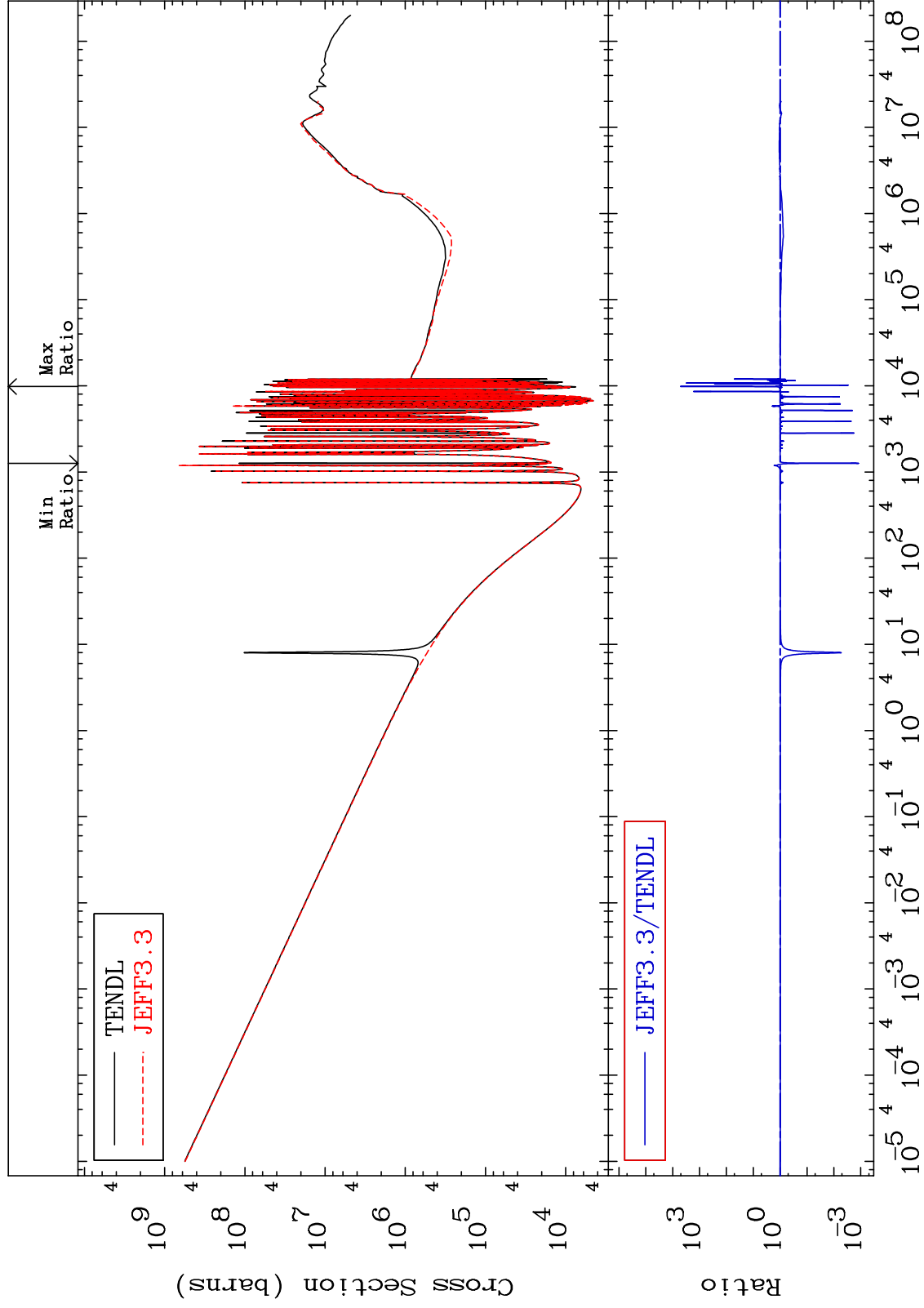
Incident Energy (eV)

62-Sm-144

MAT 6225

Total photon (eV-barns)
Cross Section

62-Sm-144
-99.88 To 9999. %



36

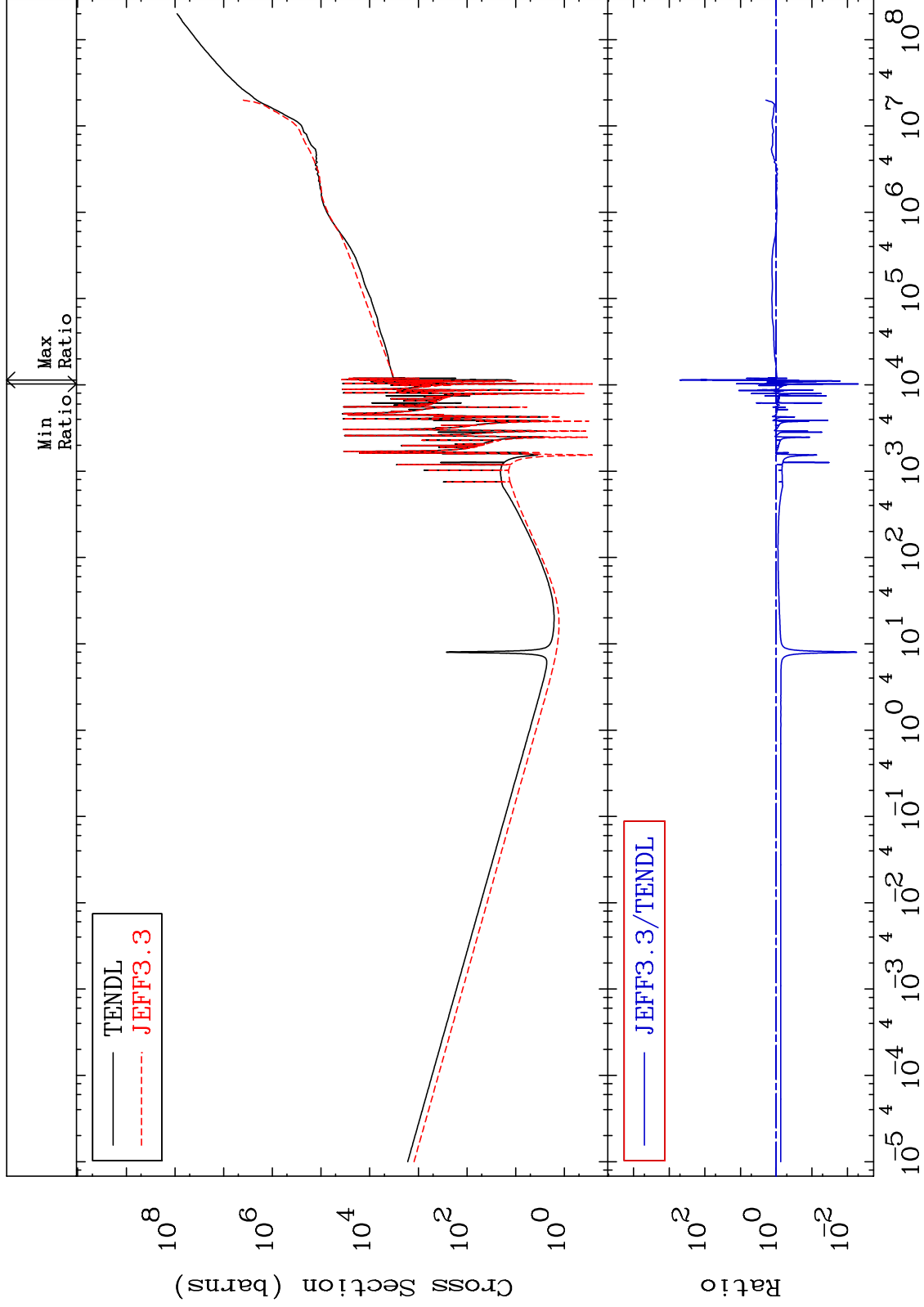
Incident Energy (eV)

62-Sm-144

MAT 6225

Total kinematic kerma (high limit)
Cross Section

62-Sm-144
-99.51 To 9999. %



37

Incident Energy (eV)

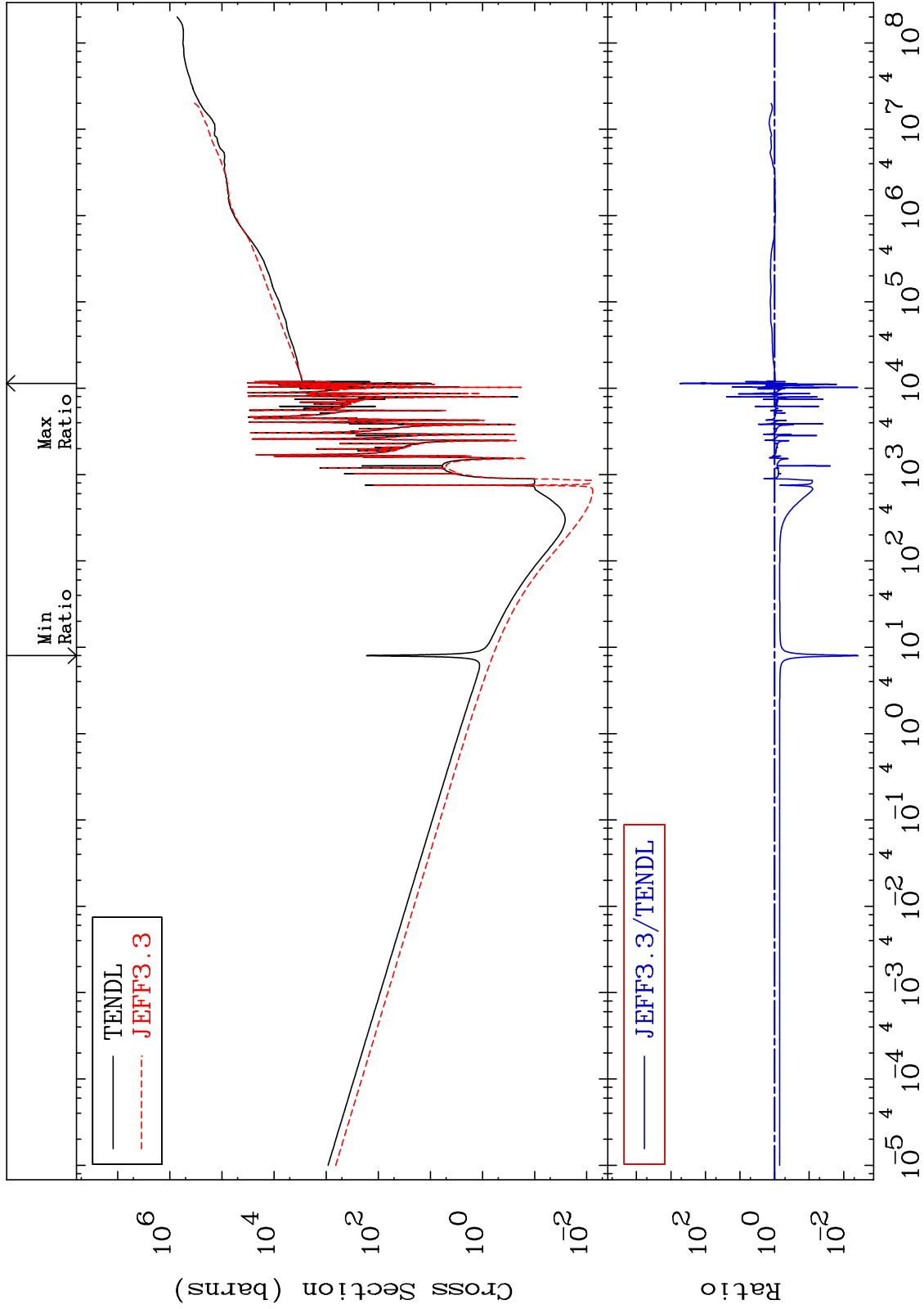
62-Sm-144

MAT 6225

Dpa total (eV-barns)

62-Sm-144

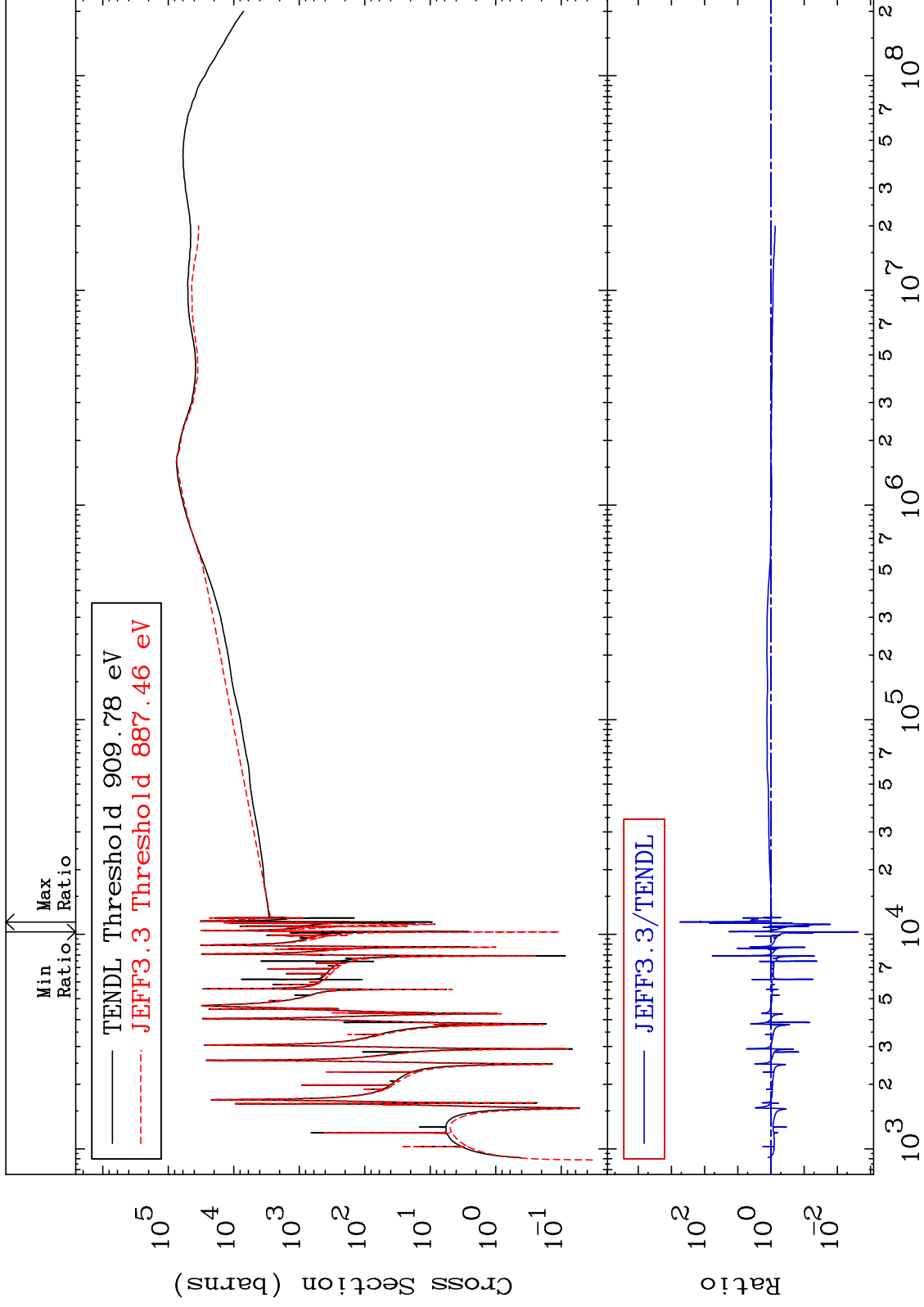
-99.62 To 9999. %



MAT 6225

Dpa elastic (mt2)
Cross Section

62-Sm-144
-99.77 To 9999. %



39

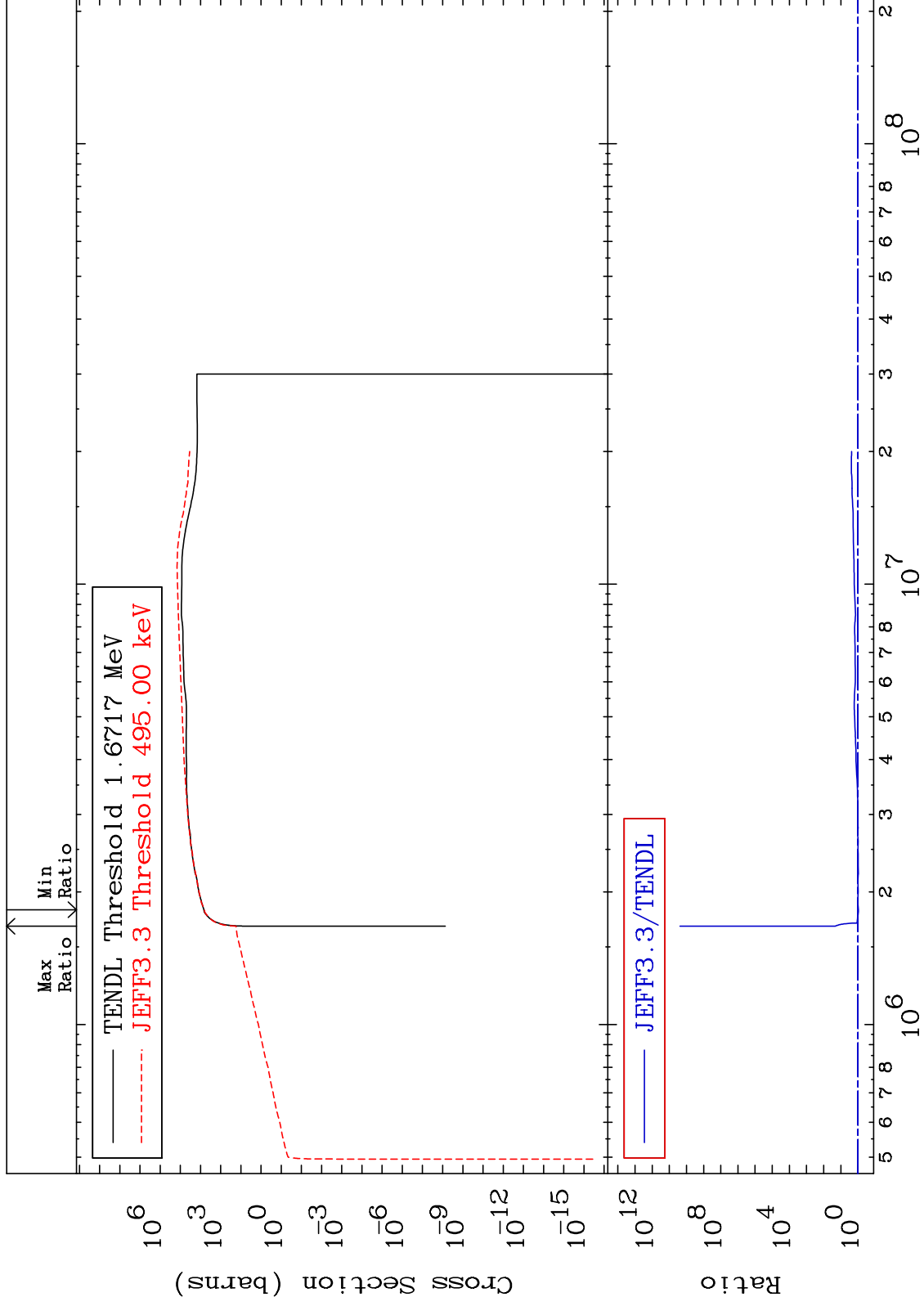
Incident Energy (eV)

62-Sm-144

MAT 6225

Dpa inelastic (mt51-91)
Cross Section

62-Sm-144
-5.246 To 9999. %



40

Incident Energy (eV)

62-Sm-144

MAT 6225

Dpa disappearance (mt102 -120)
Cross Section

62-Sm-144
-99.91 To 9999. %

