

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

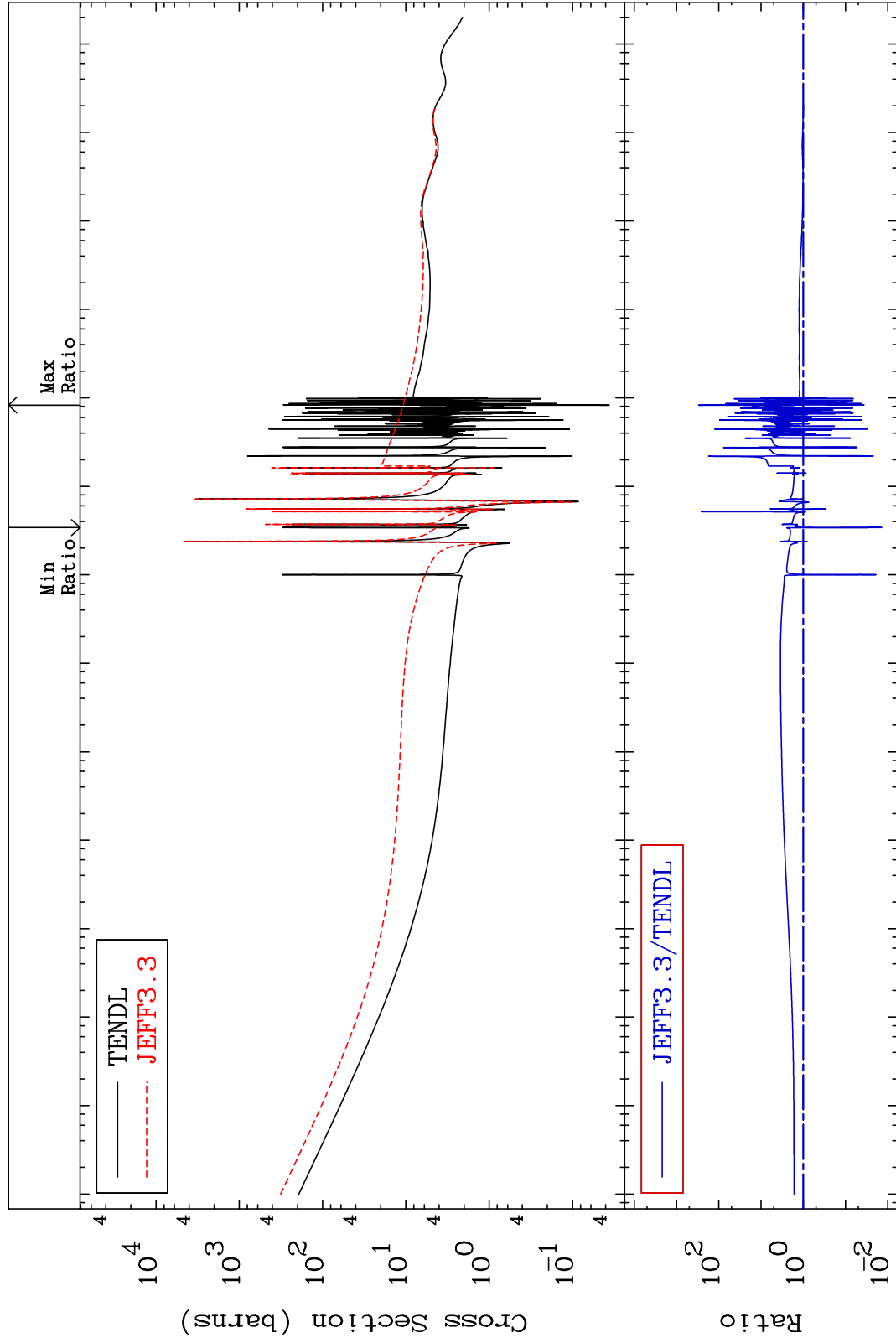
MAT 5437

Total

54-Xe-128

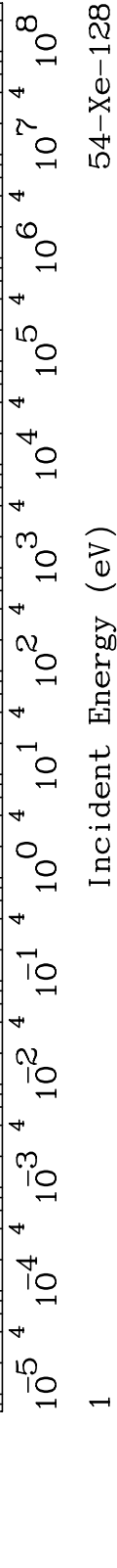
Cross Section

-98.60 To 9999. %



TENDL
JEFF3.3

JEFF3.3/TENDL



Incident Energy (eV)

54-Xe-128

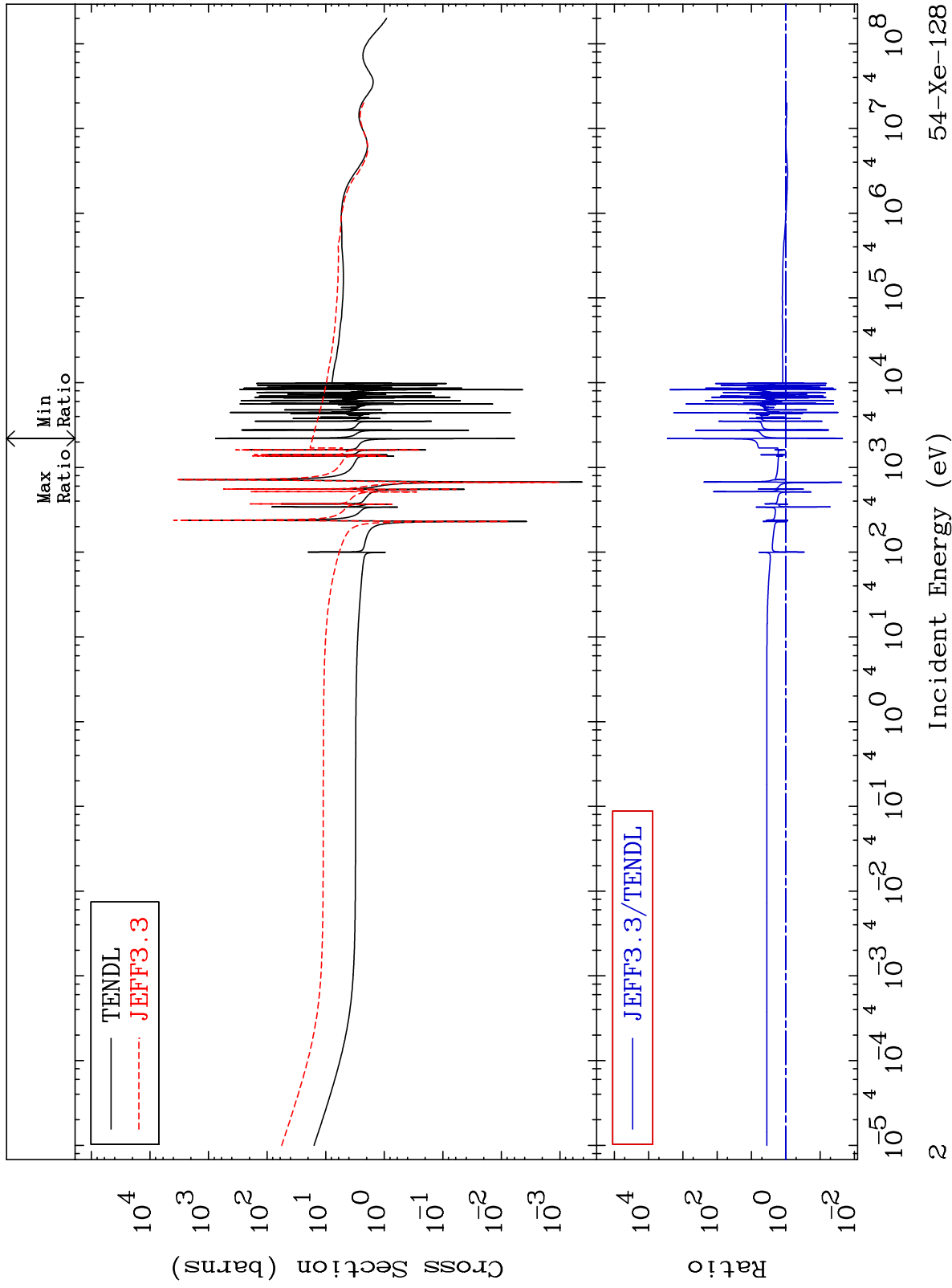
MAT 5437

Elastic

Cross Section

54-Xe-128

-97.81 To 9999. %



54-Xe-128

Incident Energy (eV)

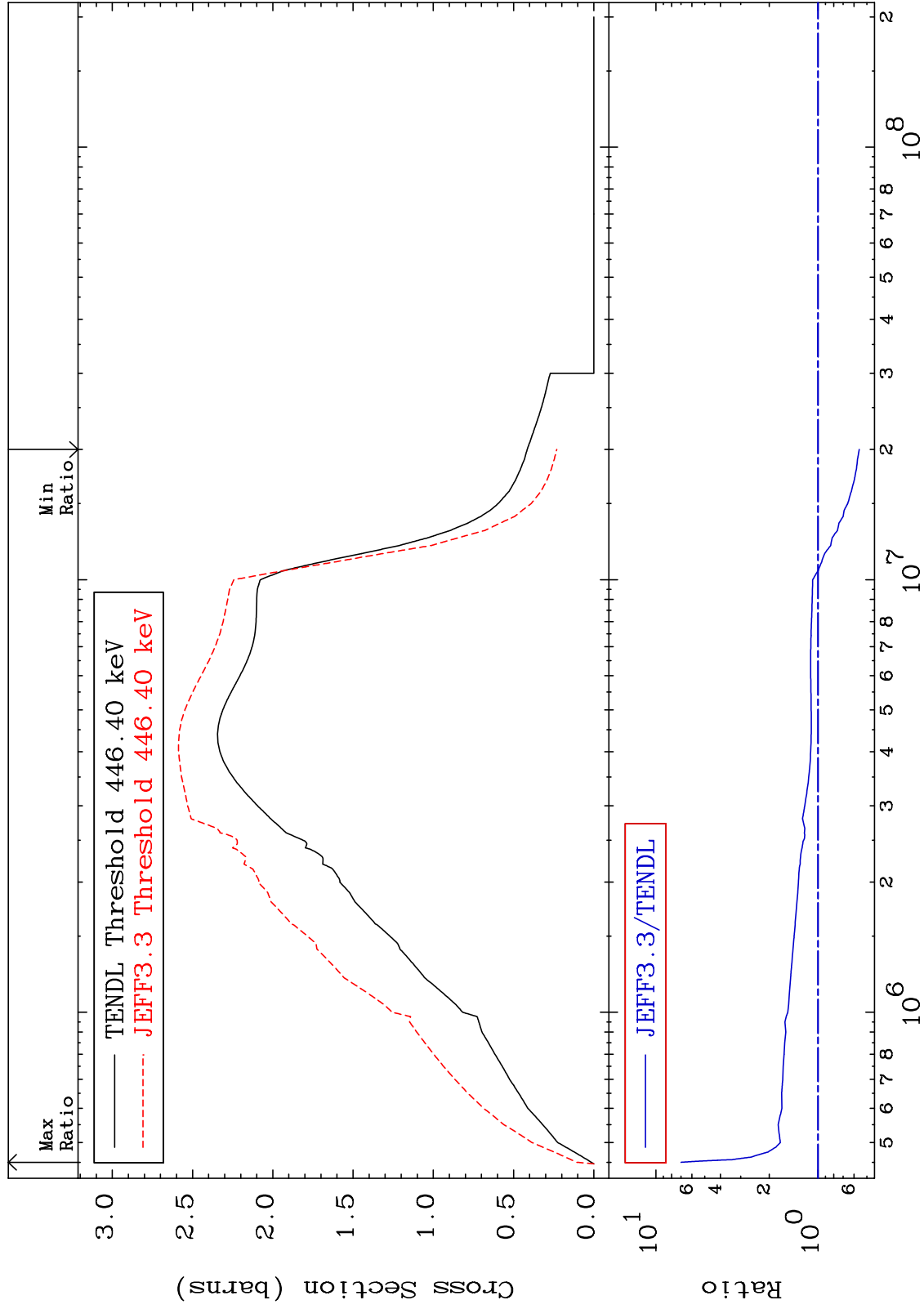
MAT 5437

Inelastic

54-Xe-128

Cross Section

-44.35 To 599.9 %



3

Incident Energy (eV)

54-Xe-128

MAT 5437

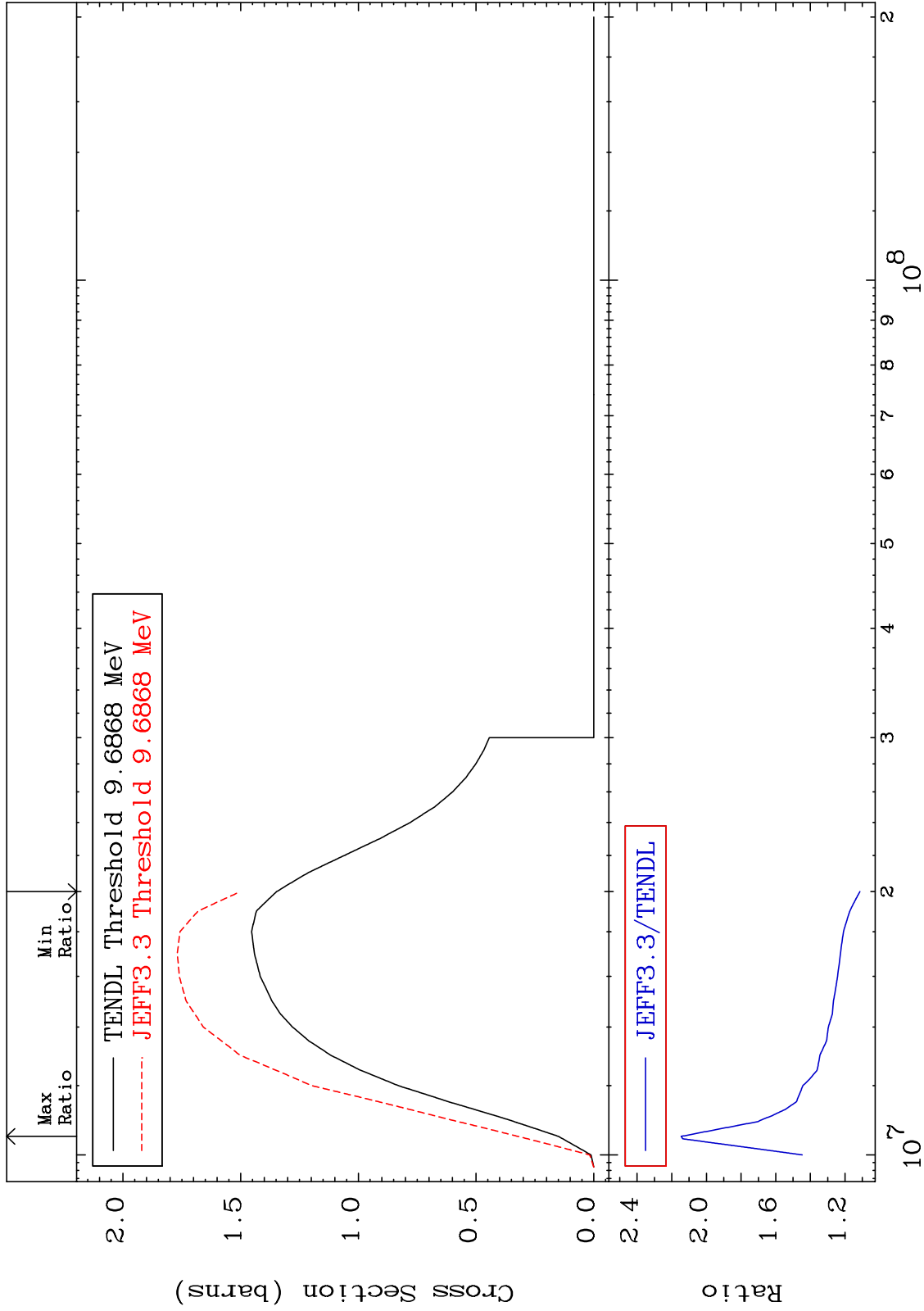
(n,2n)

54-Xe-128

Cross Section

11.40

To 114.5 %



Incident Energy (eV)

54-Xe-128

4

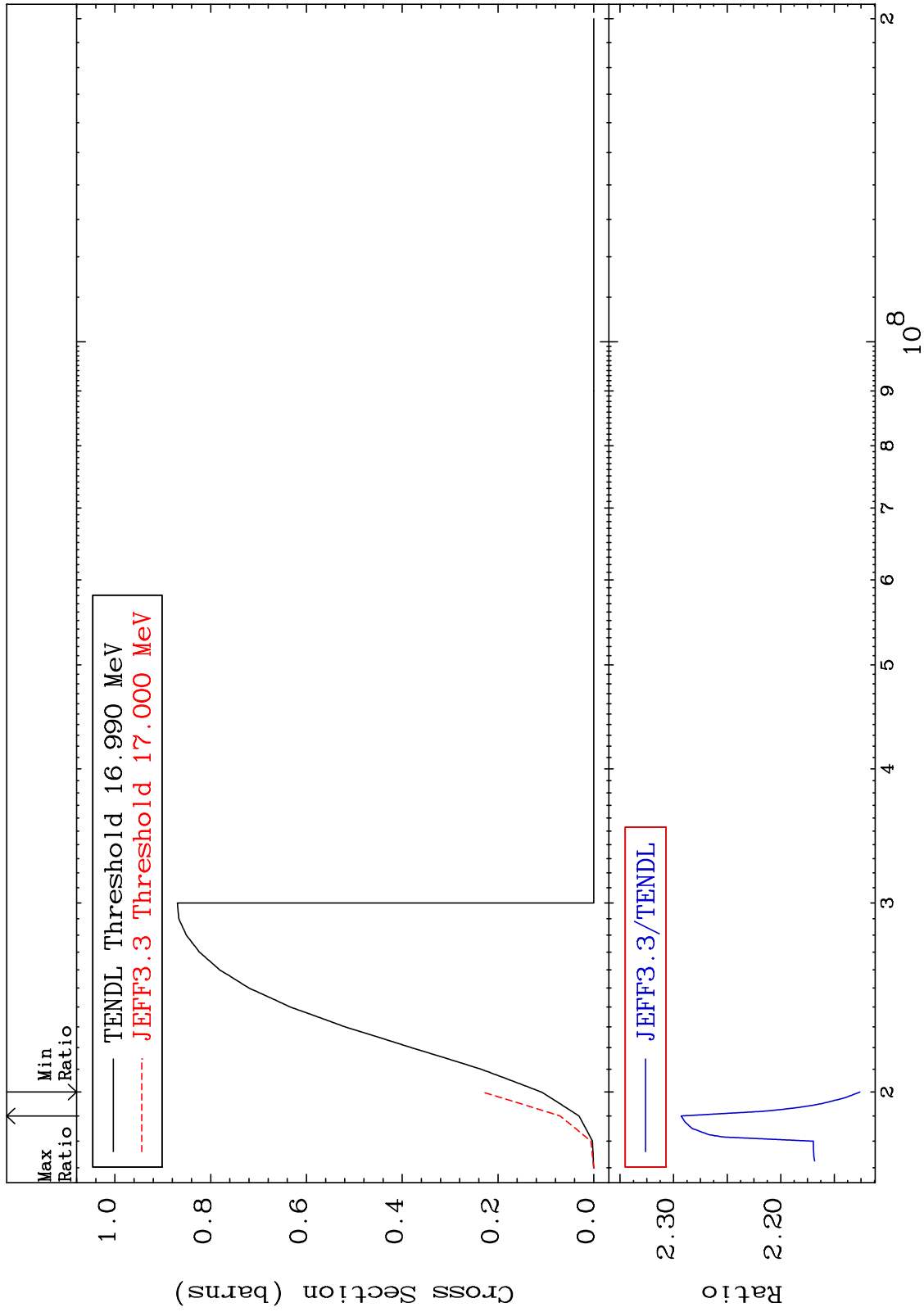
MAT 5437

(n, 3n)

54-Xe-128

Cross Section

112.6 To 129.3 %



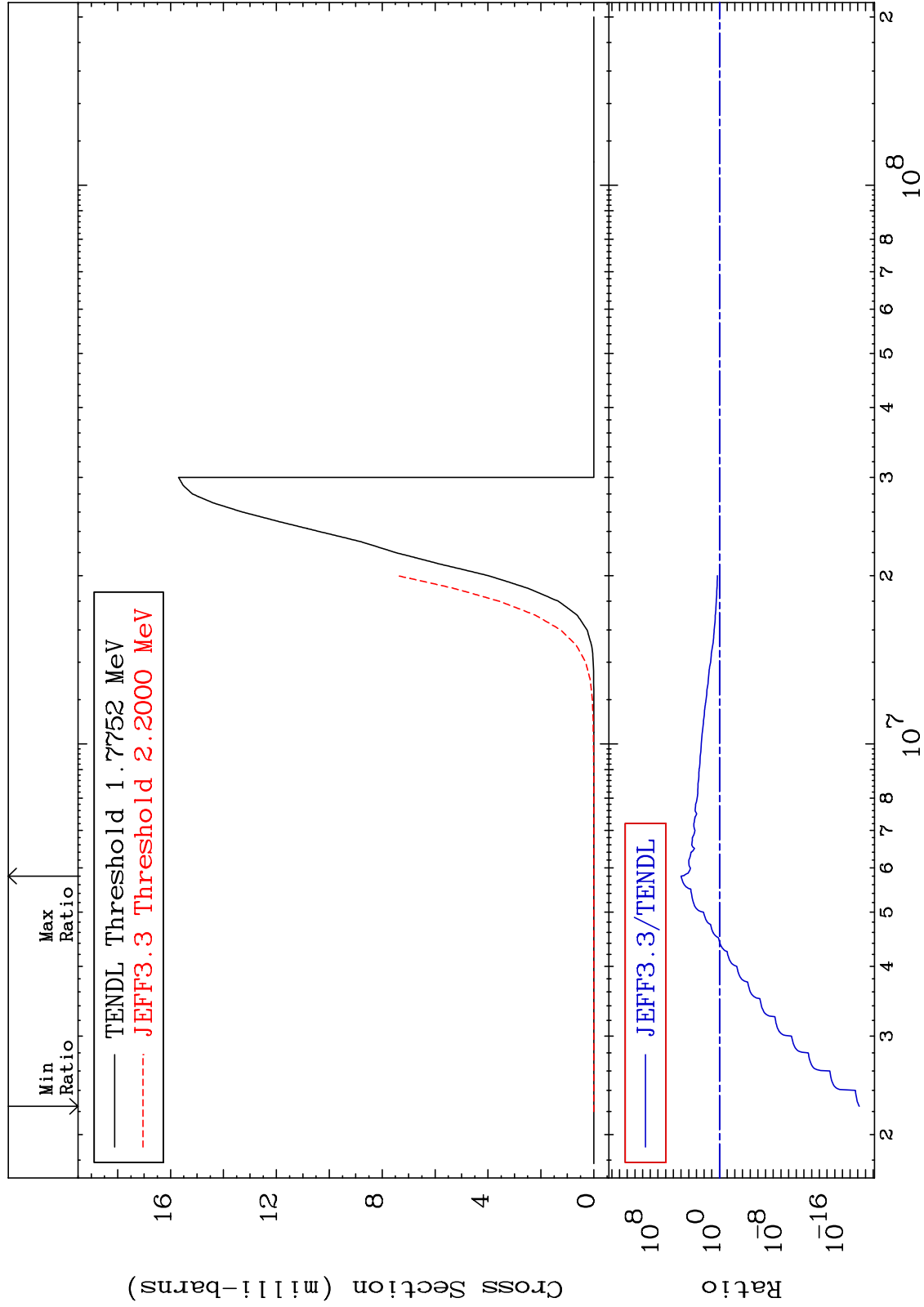
MAT 5437

(n, n') α

54-Xe-128

-100.0 To 9999. %

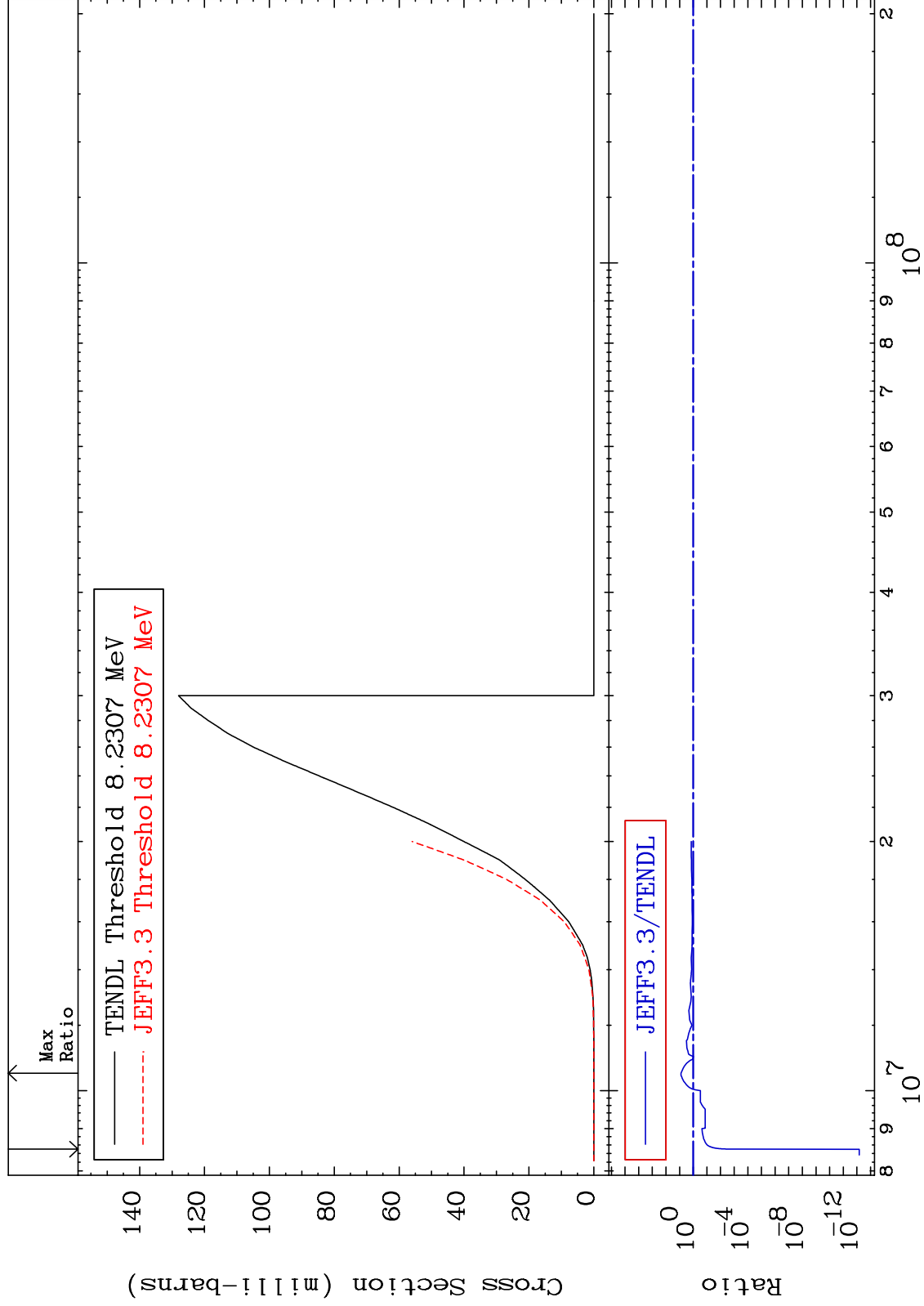
Cross Section



MAT 5437

(n,n') p
Cross Section

54-Xe-128
-100.0 To 683.6 %



Incident Energy (eV)

54-Xe-128

7

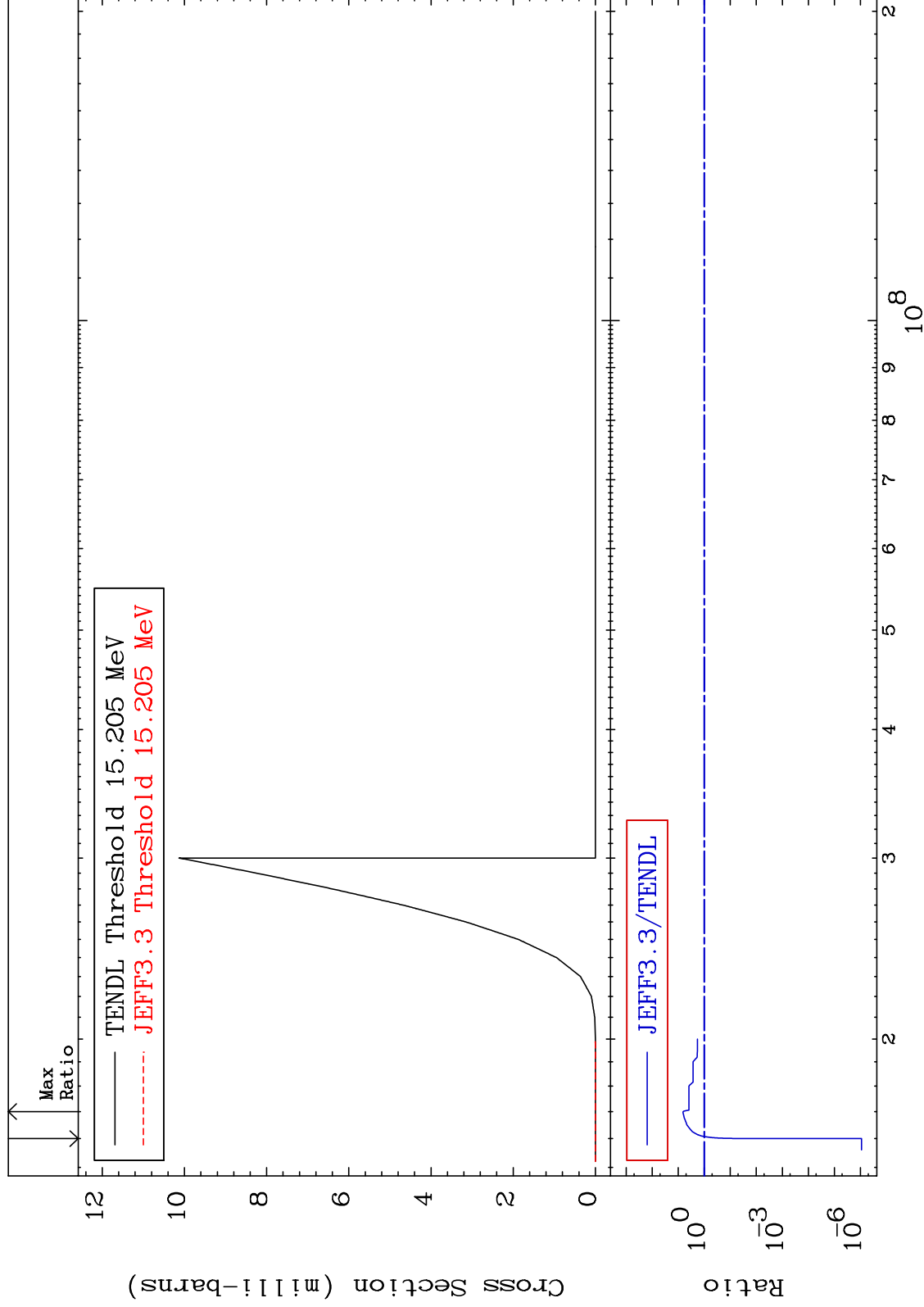
MAT 5437

(n,n') d

54-Xe-128

Cross Section

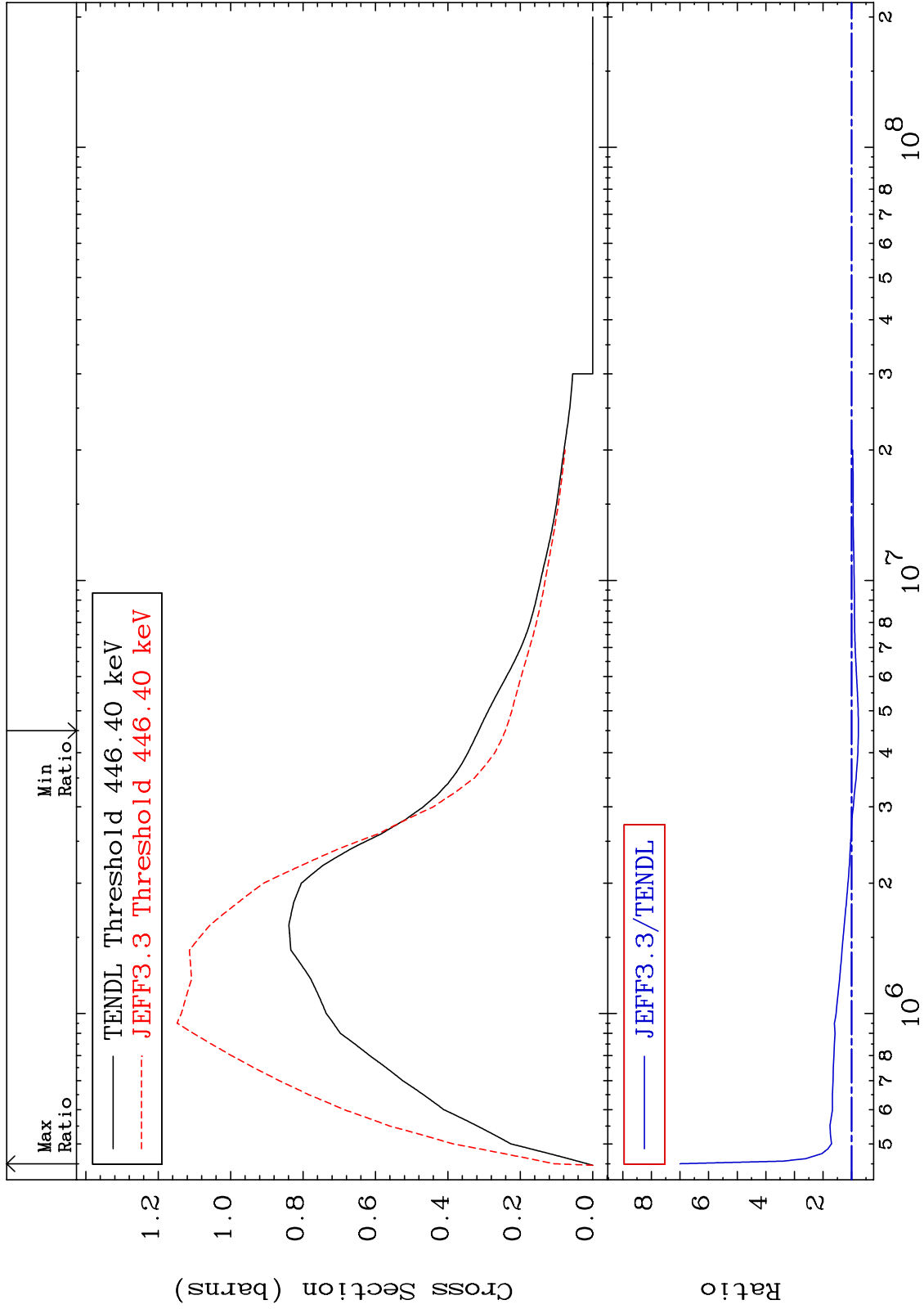
-100.0 To 565.6 %



MAT 5437

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

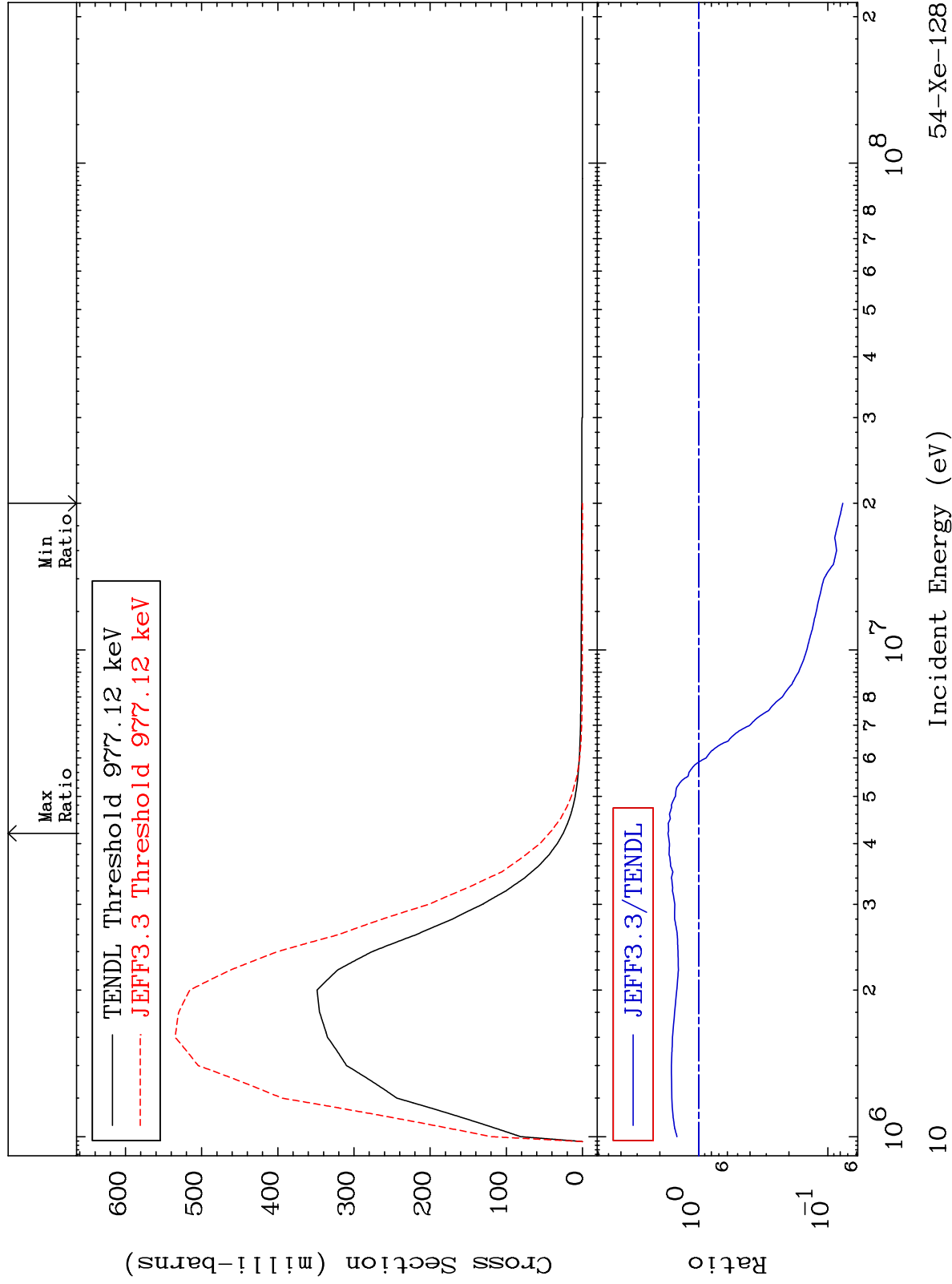
54-Xe-128
-23.52 To 599.9 %



MAT 5437

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

54-Xe-128
-92.35 To 73.00 %

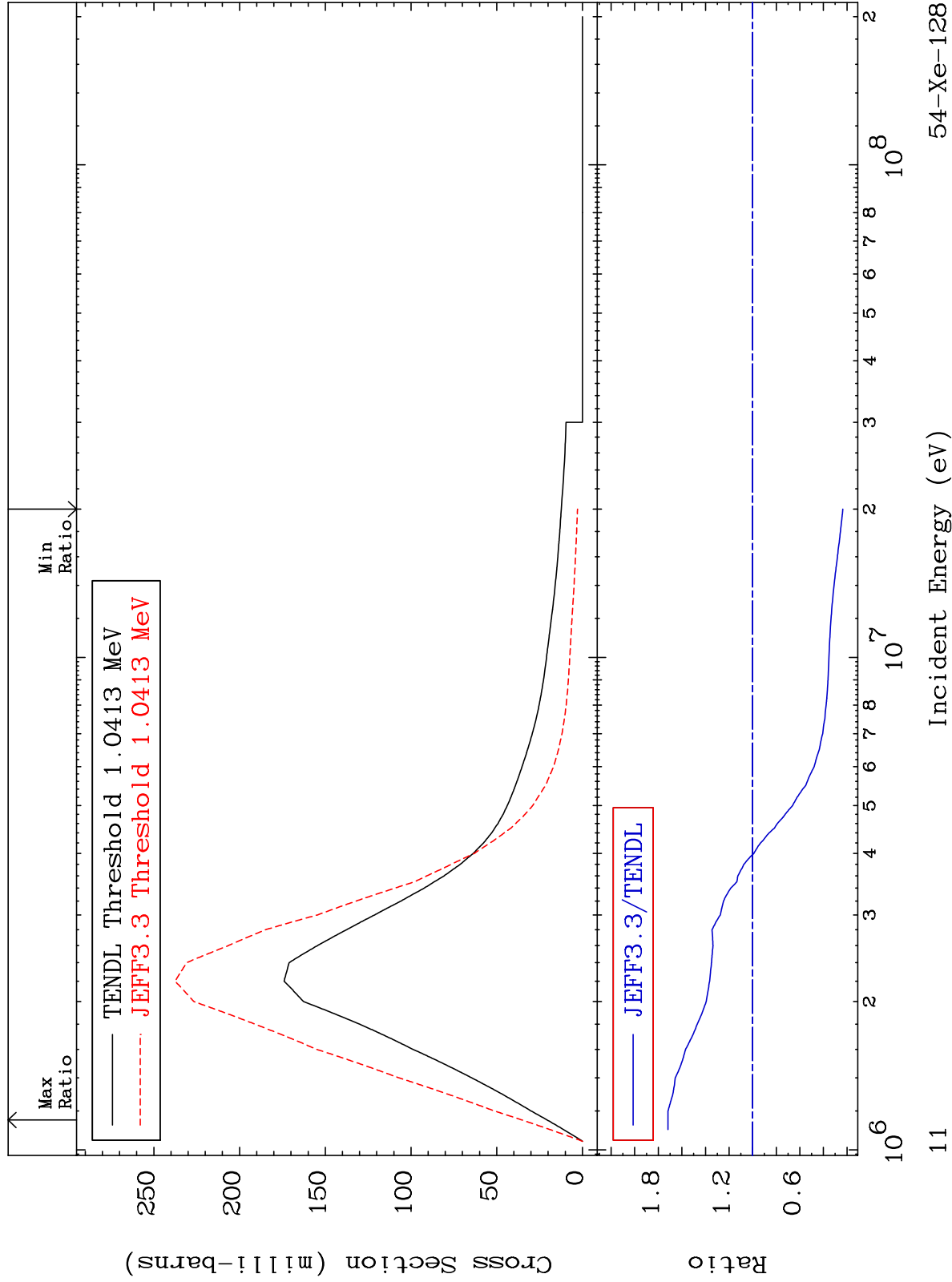


54-Xe-128

MAT 5437

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

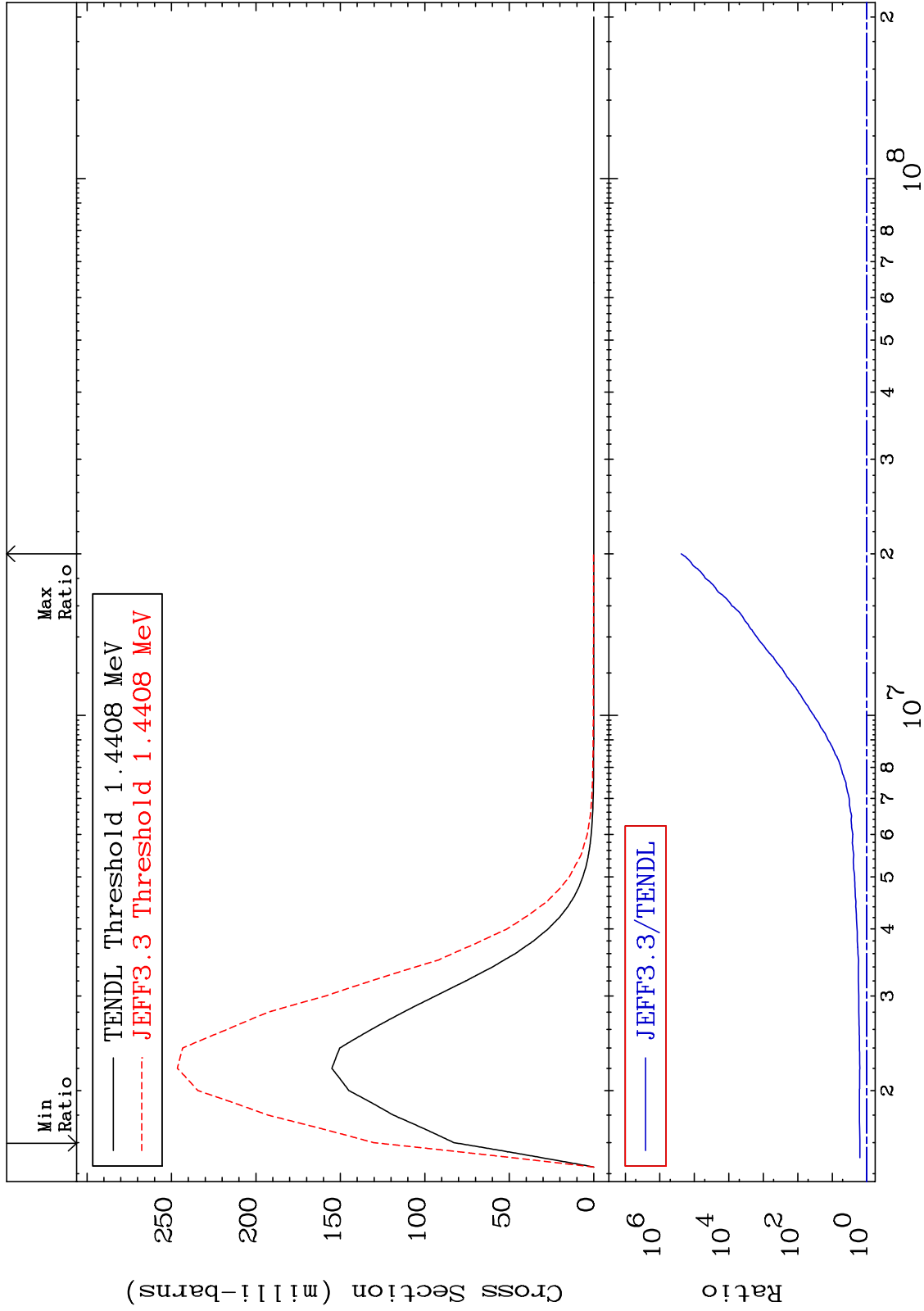
54-Xe-128
-76.48 To 71.75 %



MAT 5437

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

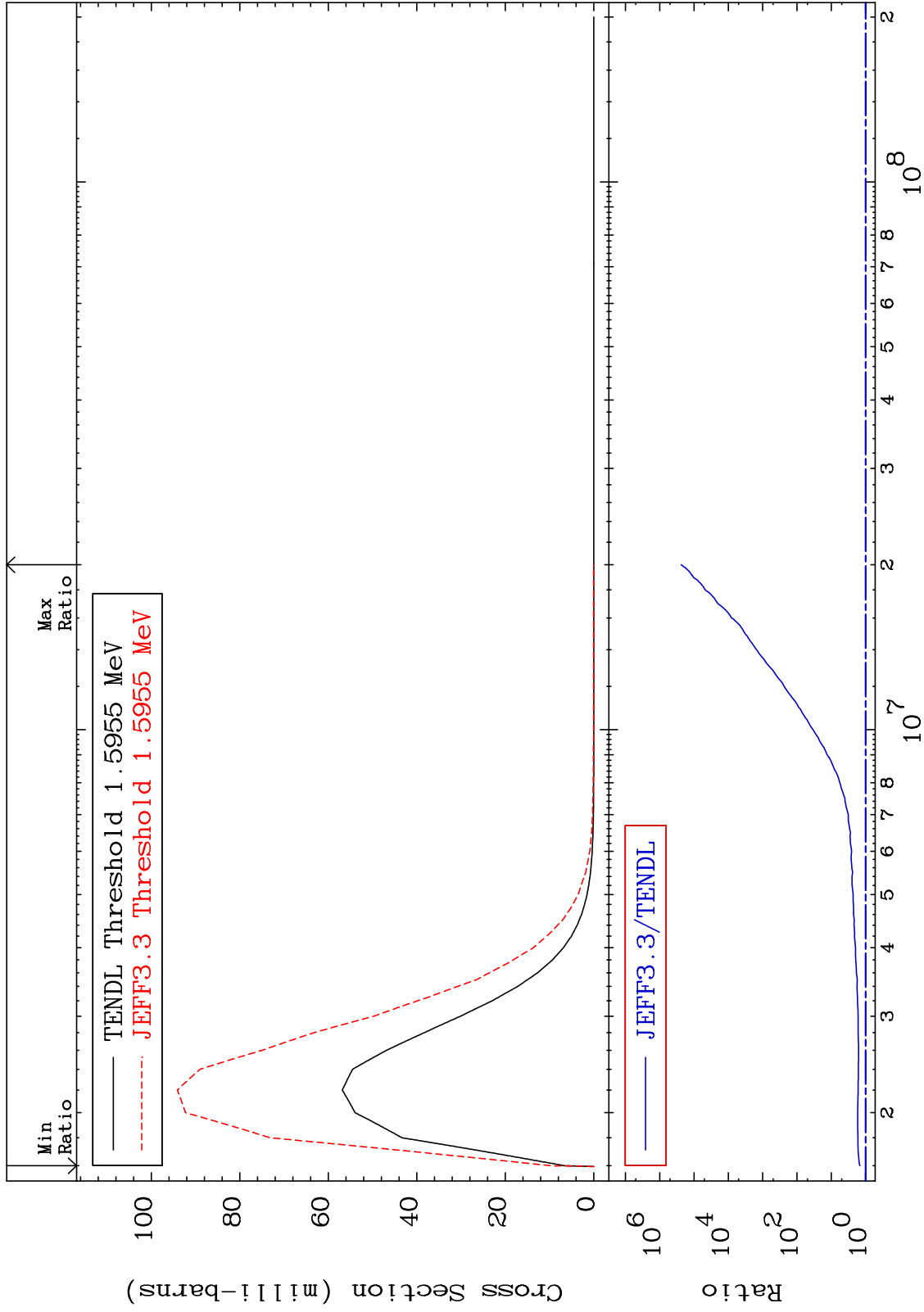
57.44 To 9999. %
54-Xe-128



MAT 5437

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

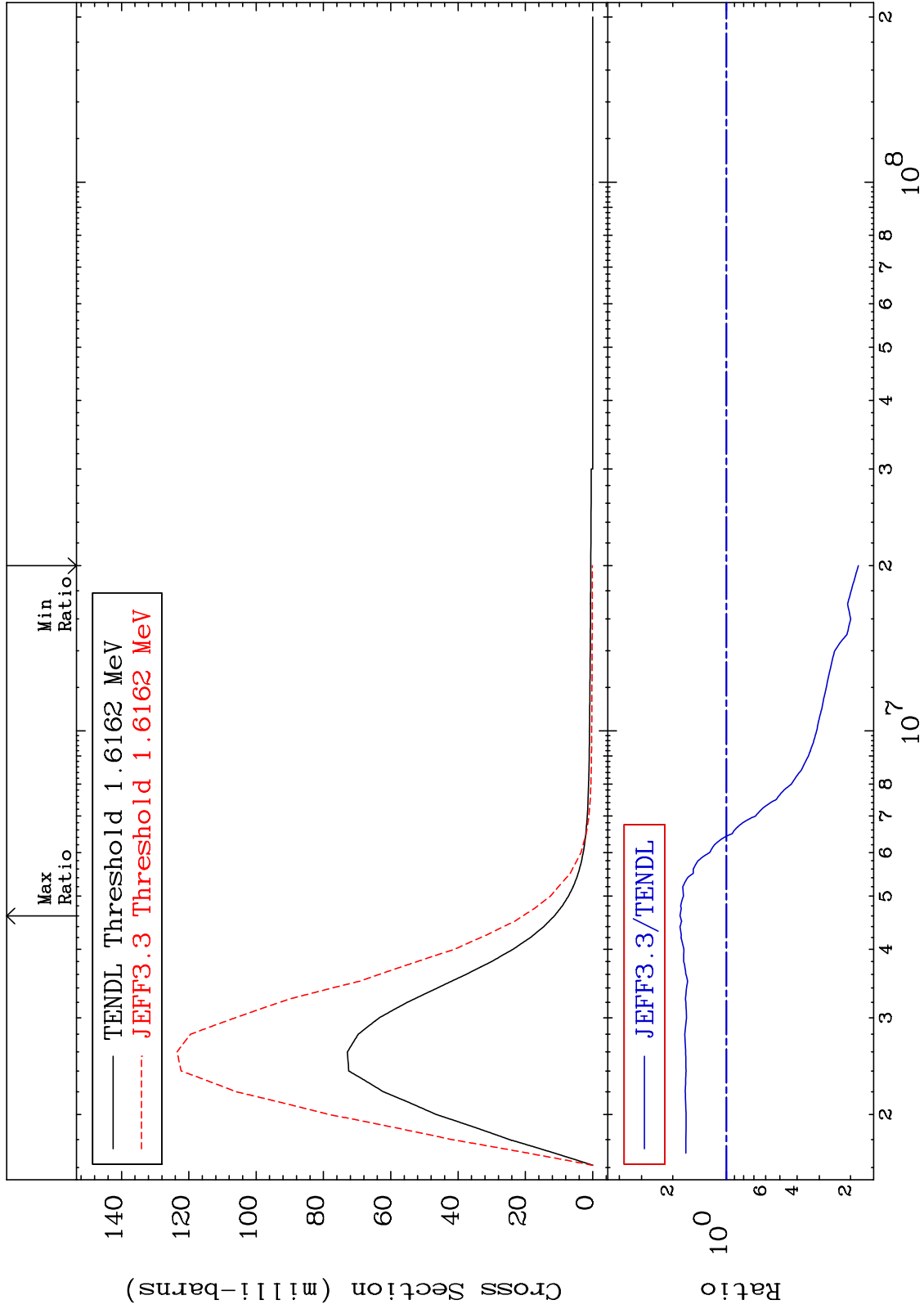
54-Xe-128
46.91 To 9999. %



MAT 5437

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

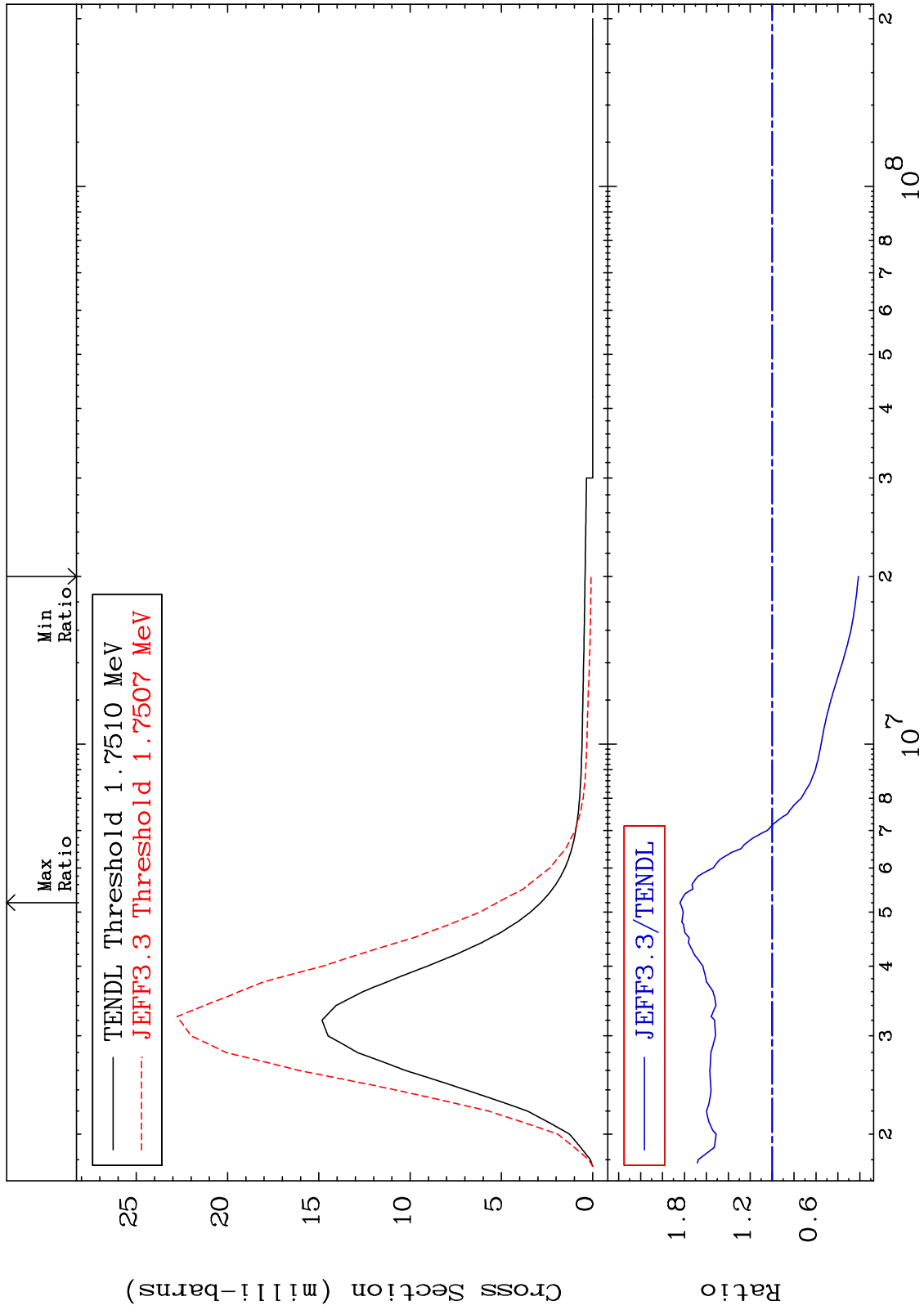
54-Xe-128
-81.94 To 82.28 %



MAT 5437

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

54-Xe-128
-78.73 To 84.04 %



15

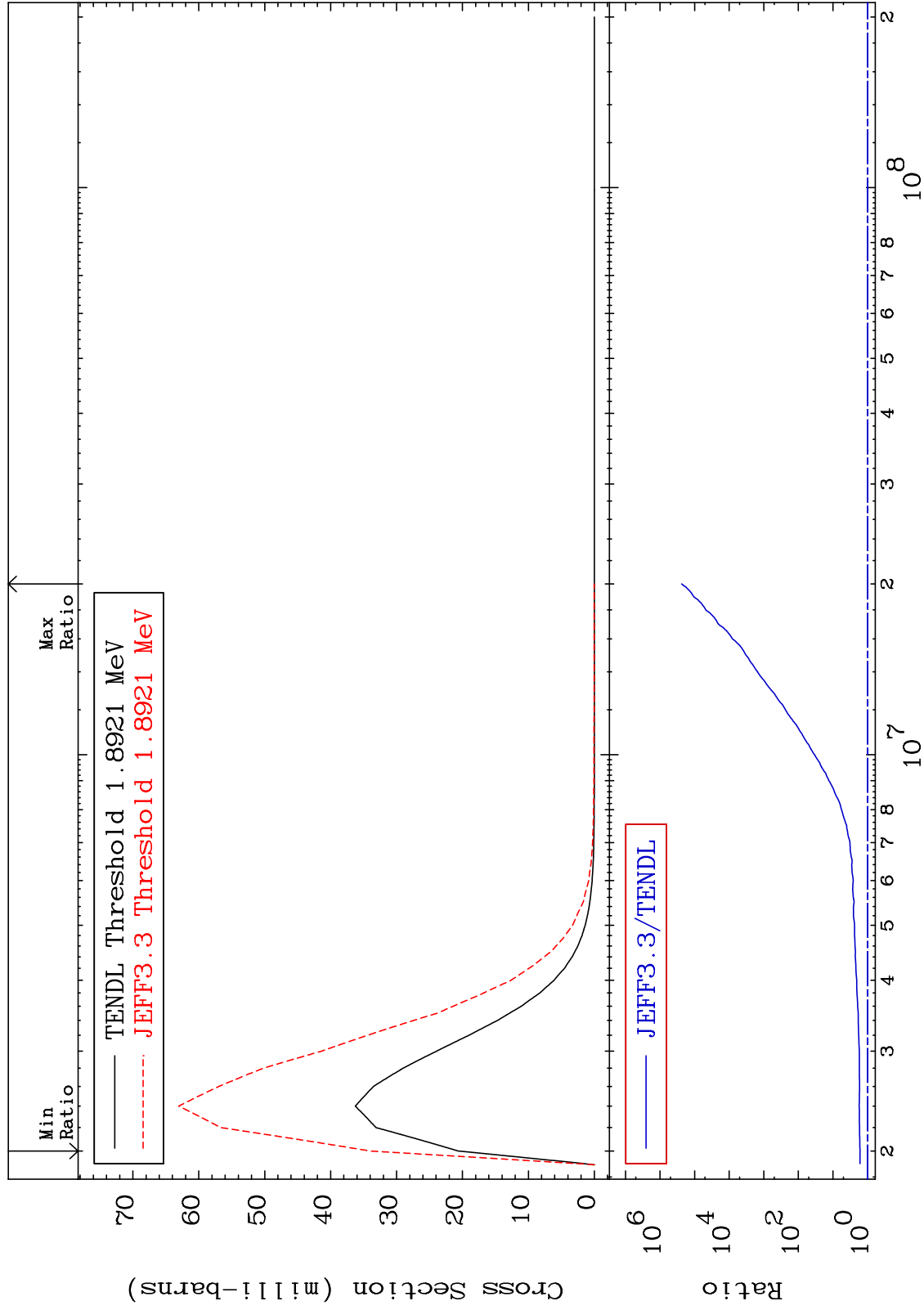
Incident Energy (eV)

54-Xe-128

MAT 5437

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

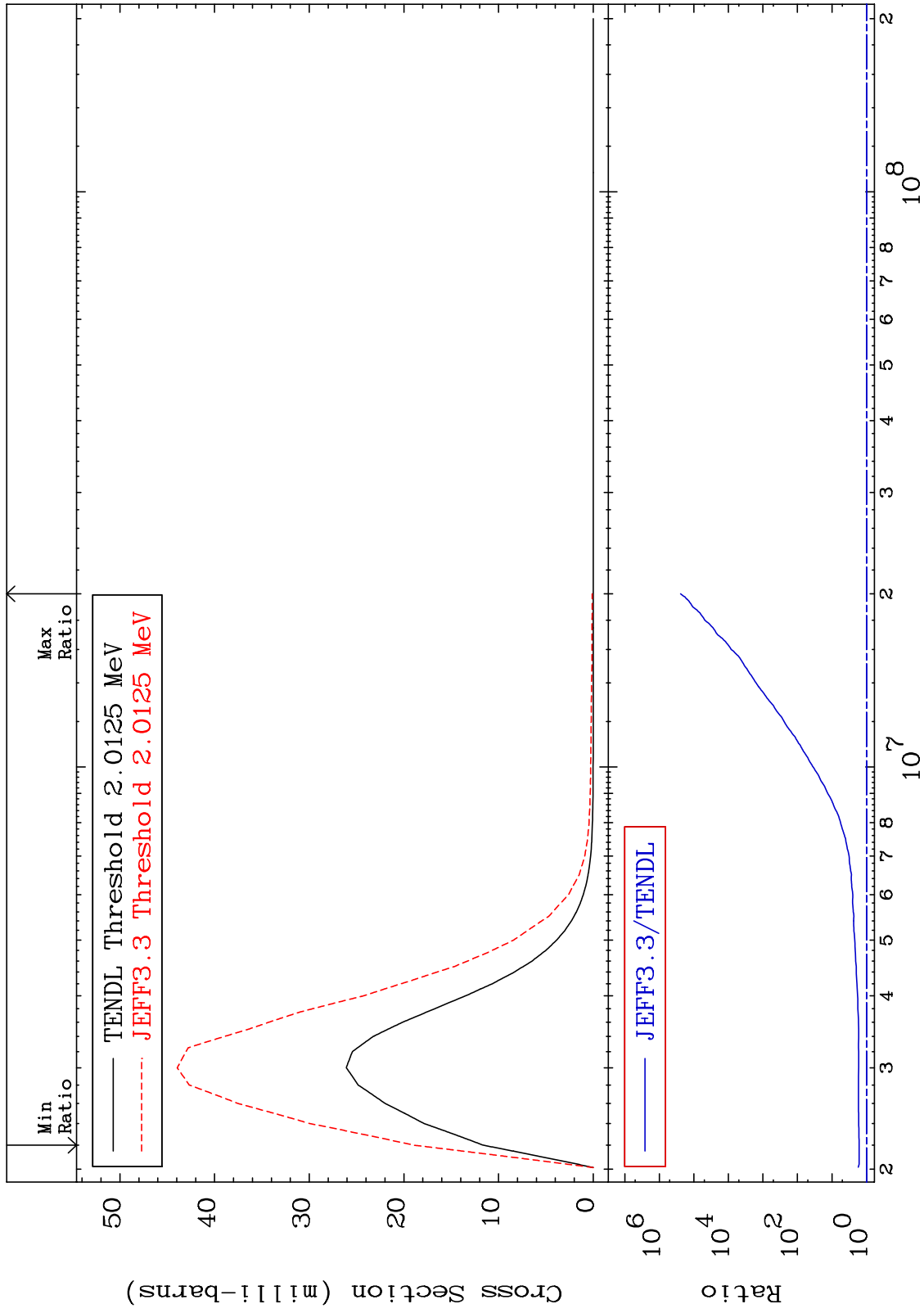
54-Xe-128
64.62 To 9999. %



MAT 5437

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

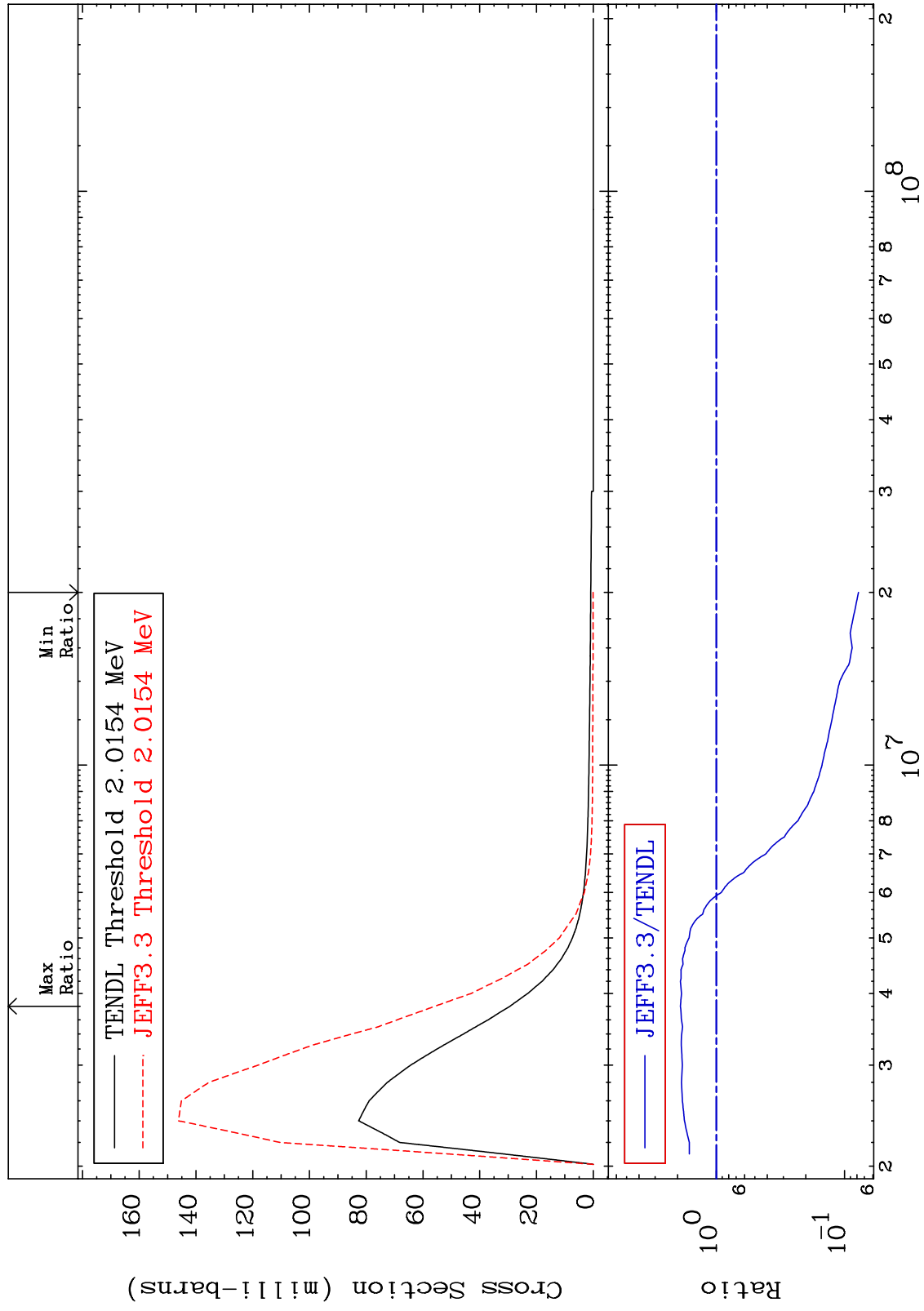
54-Xe-128
62.90 To 9999. %



MAT 5437

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

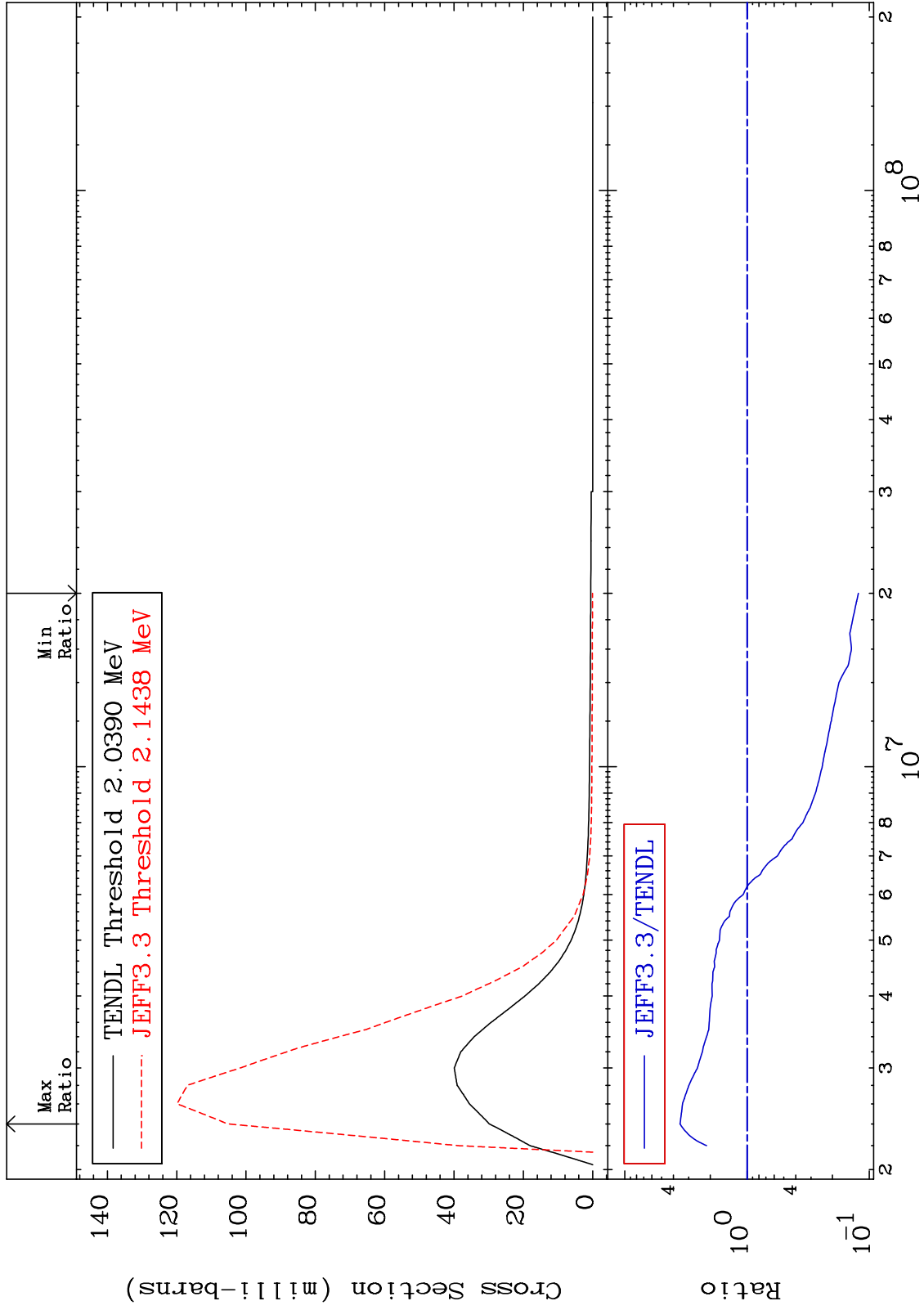
54-Xe-128
-92.23 To 90.05 %



MAT 5437

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

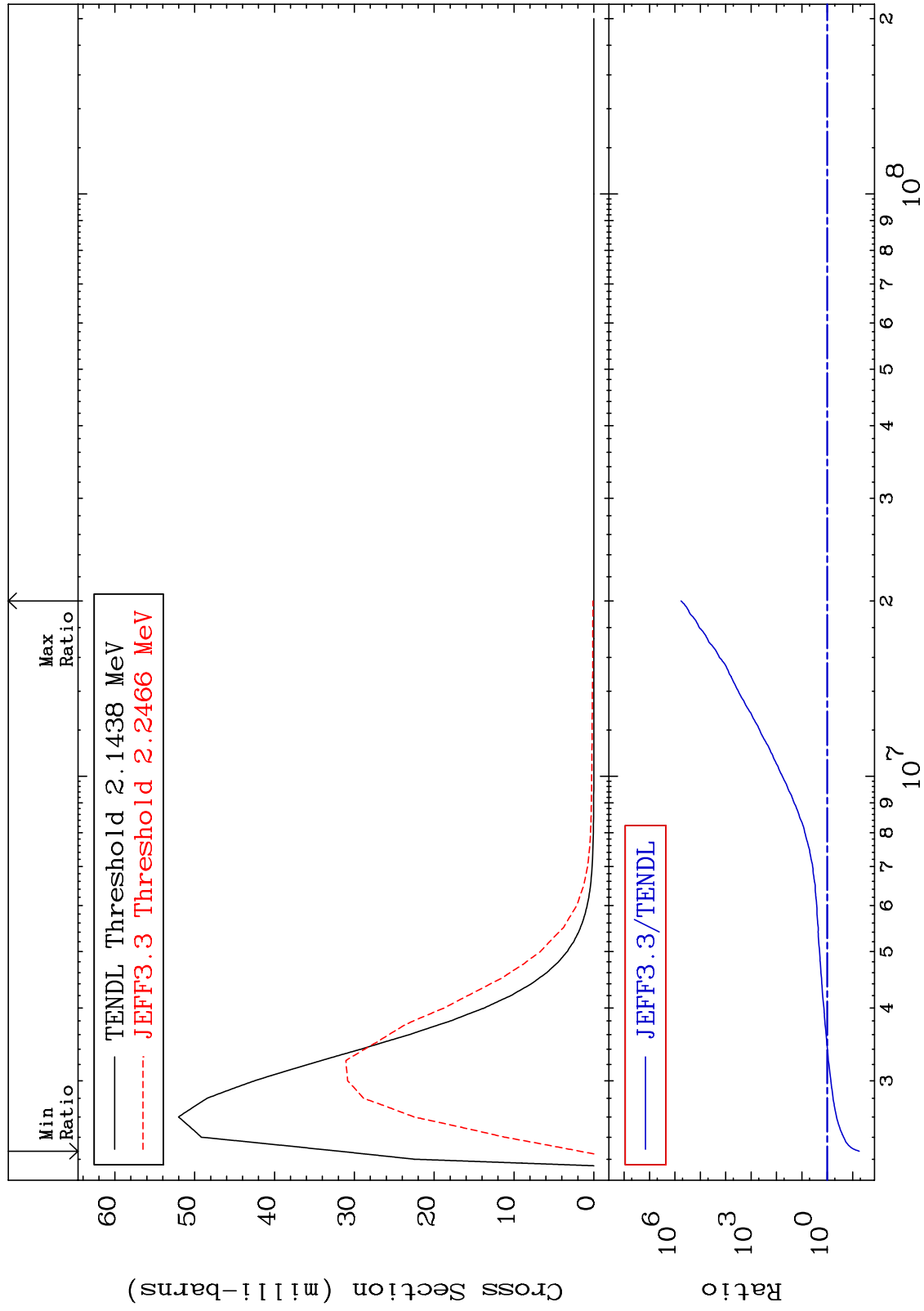
54-Xe-128
-87.72 To 253.2 %



MAT 5437

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

54-Xe-128
-94.52 To 9999. %



20

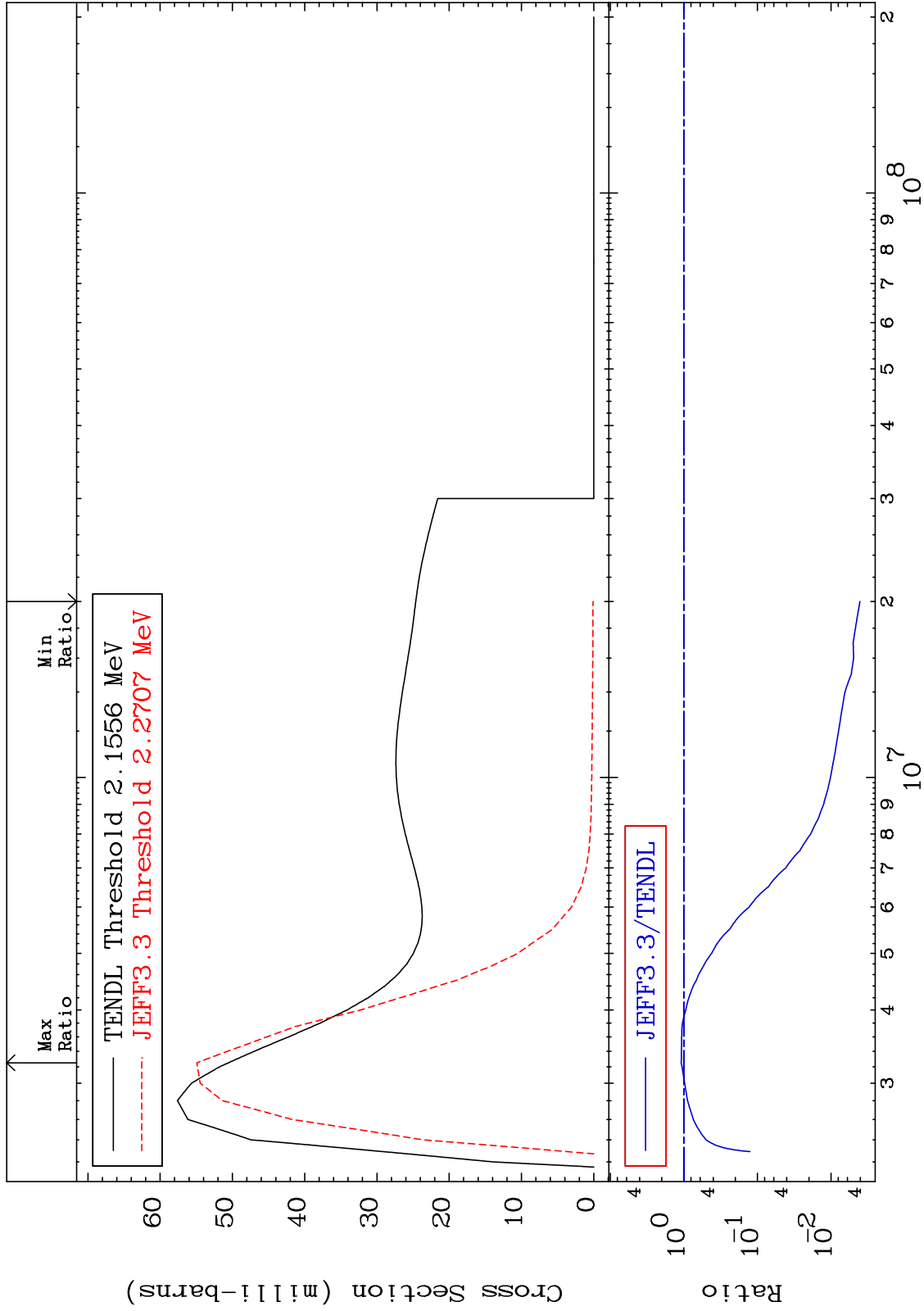
Incident Energy (eV)

54-Xe-128

MAT 5437

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

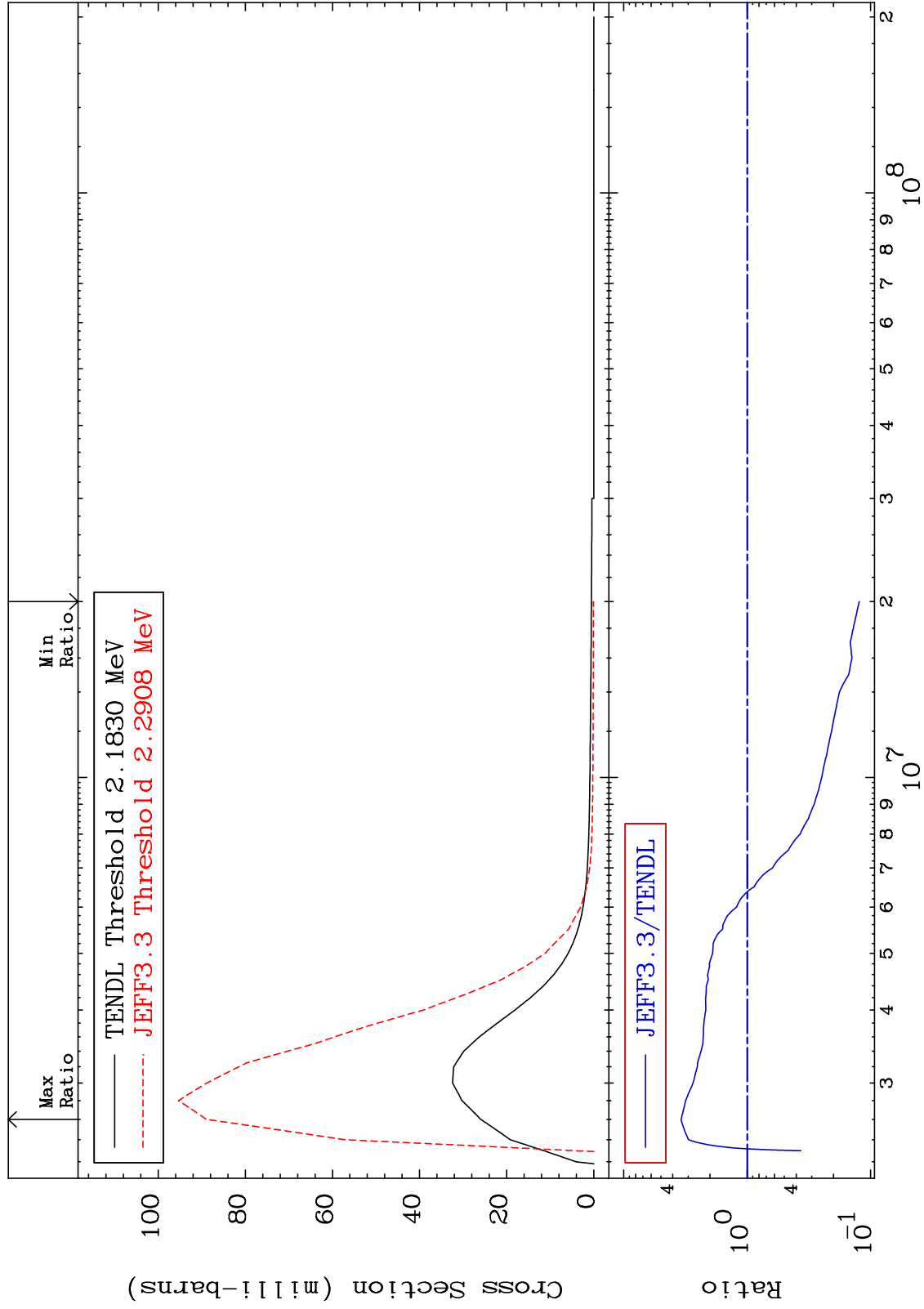
54-Xe-128
-99.59 To 8.664 %



MAT 5437

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

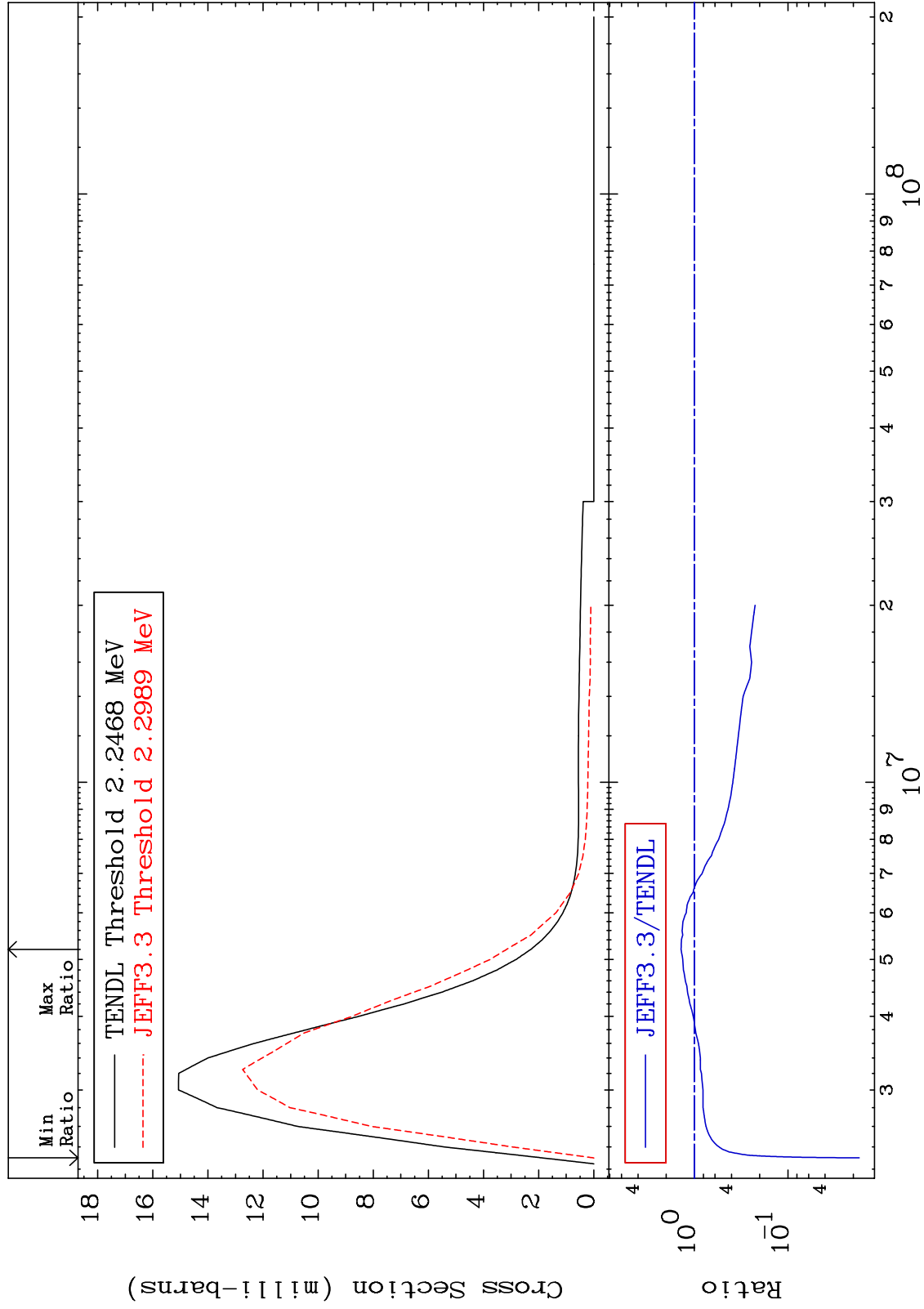
54-Xe-128
-87.65 To 243.0 %



MAT 5437

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

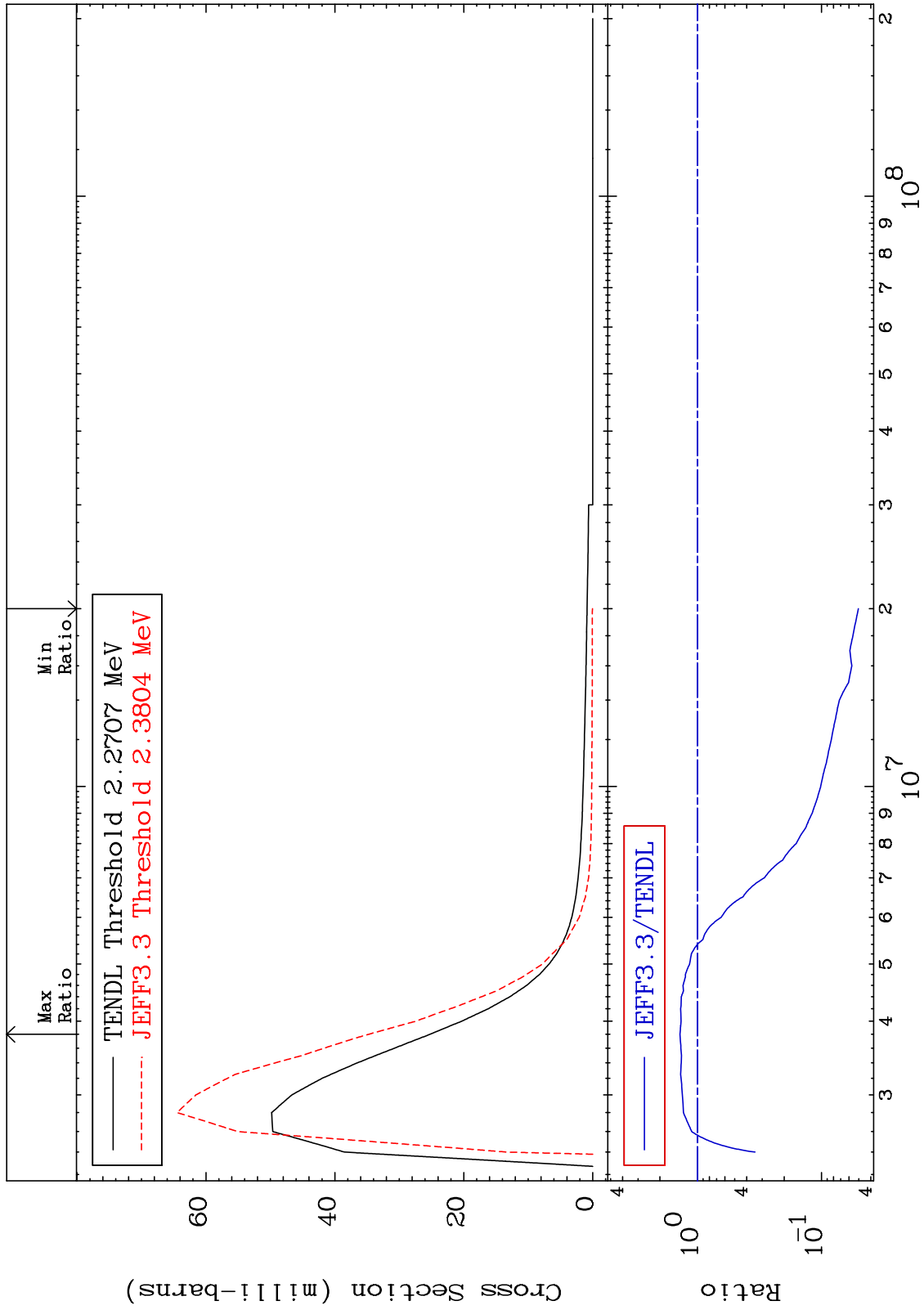
54-Xe-128
-98.28 To 38.61 %



MAT 5437

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

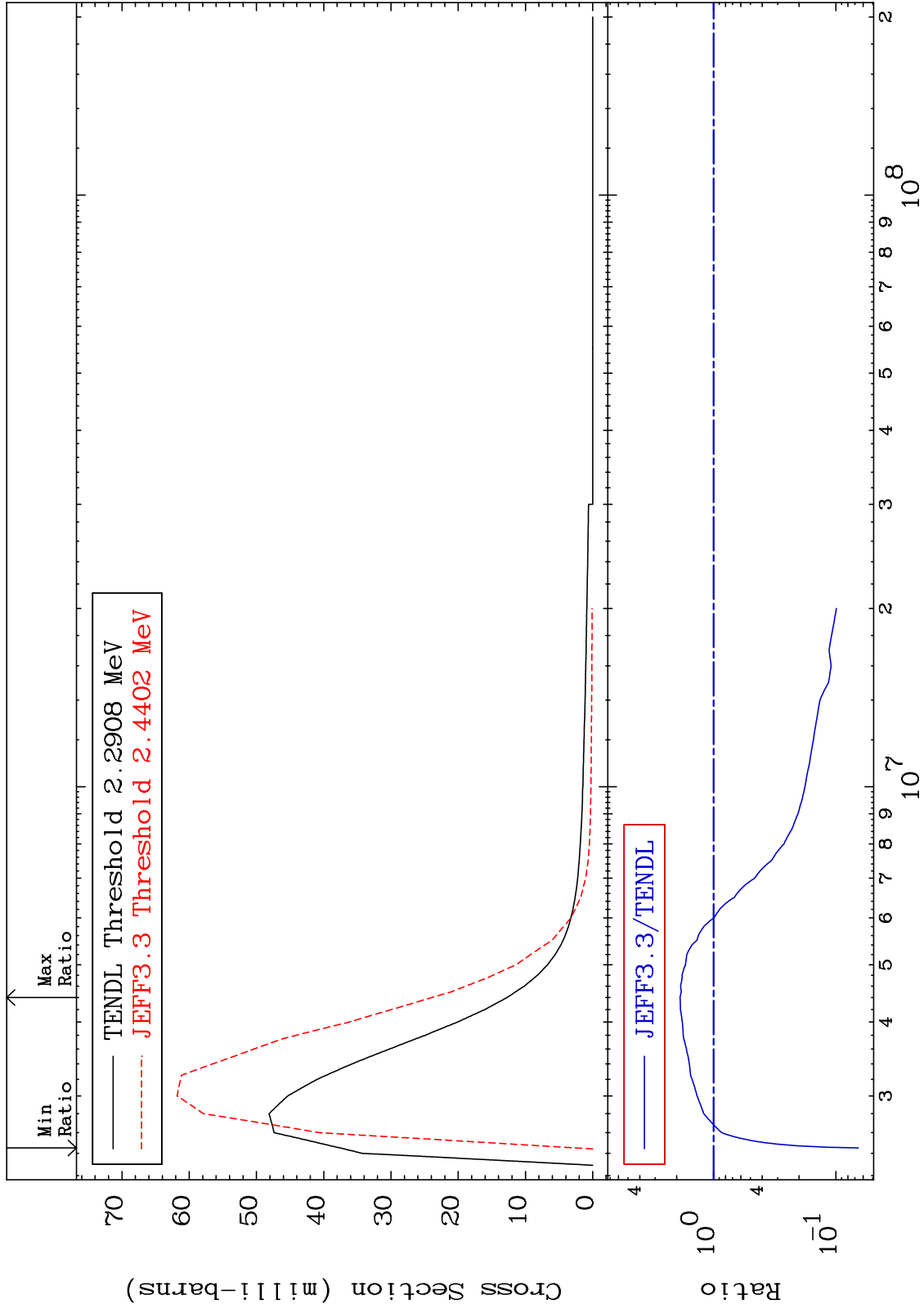
54-Xe-128
-94.96 To 37.84 %



MAT 5437

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

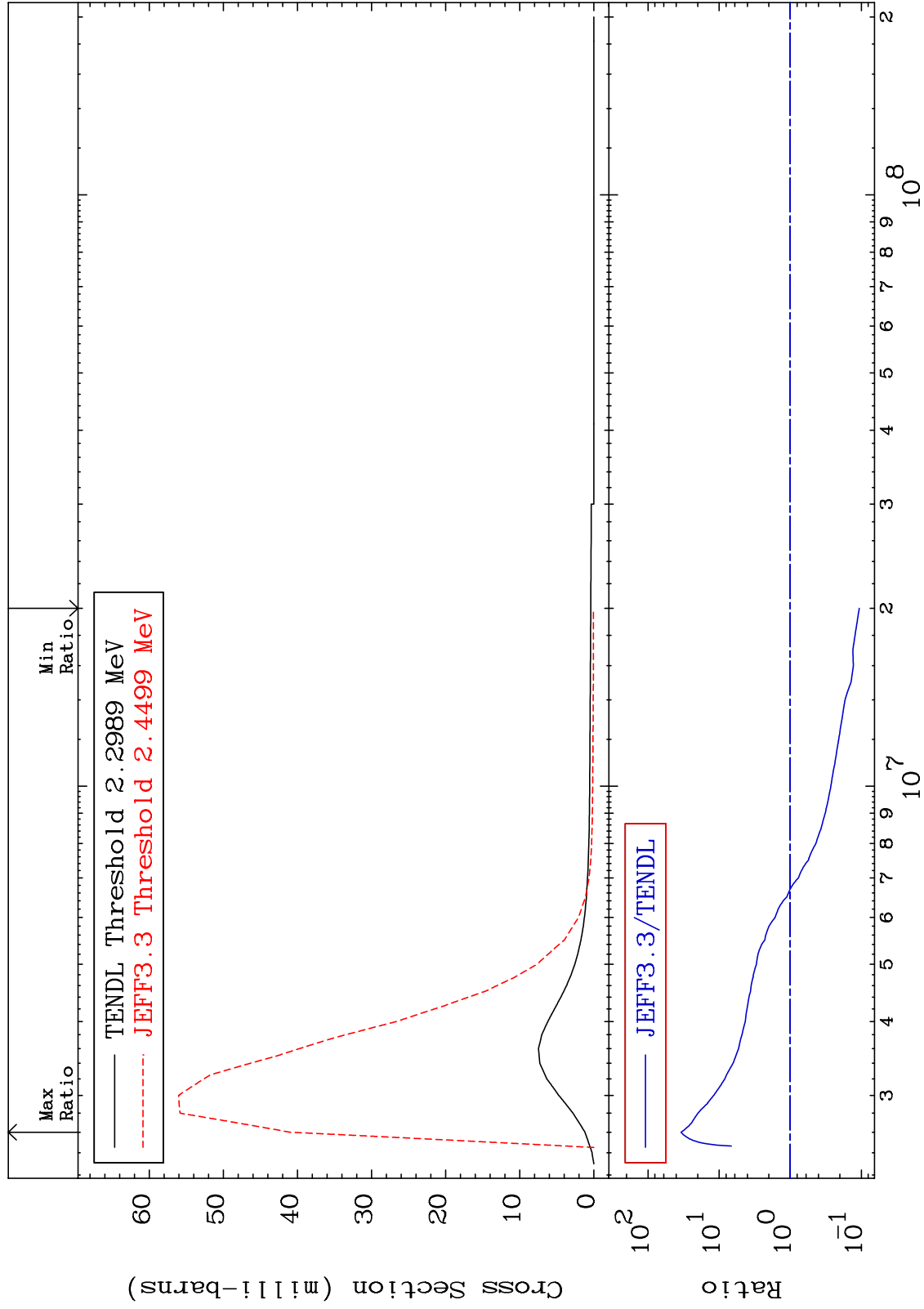
54-Xe-128
-93.45 To 88.00 %



MAT 5437

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

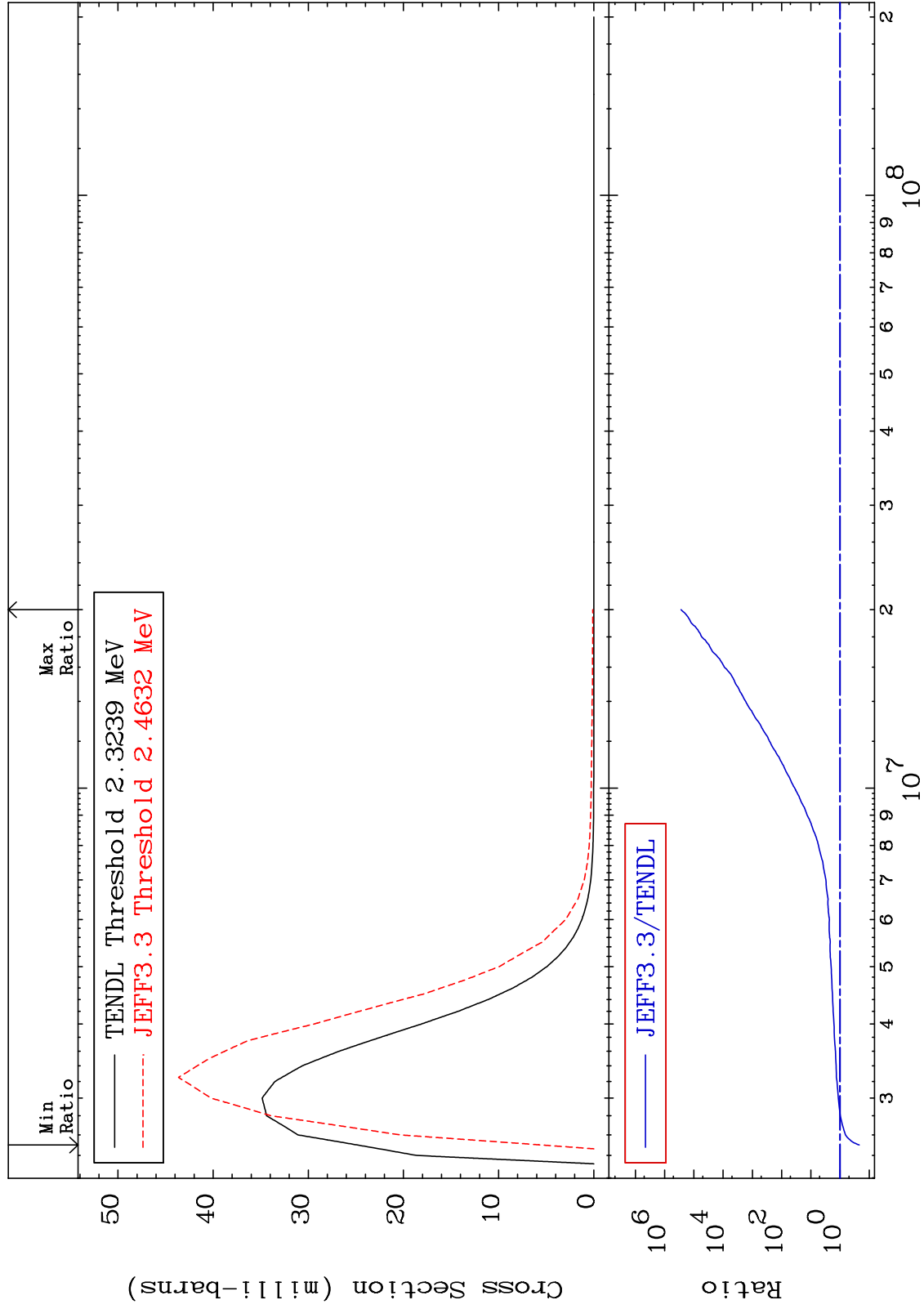
54-Xe-128
-89.32 To 3327. %



MAT 5437

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

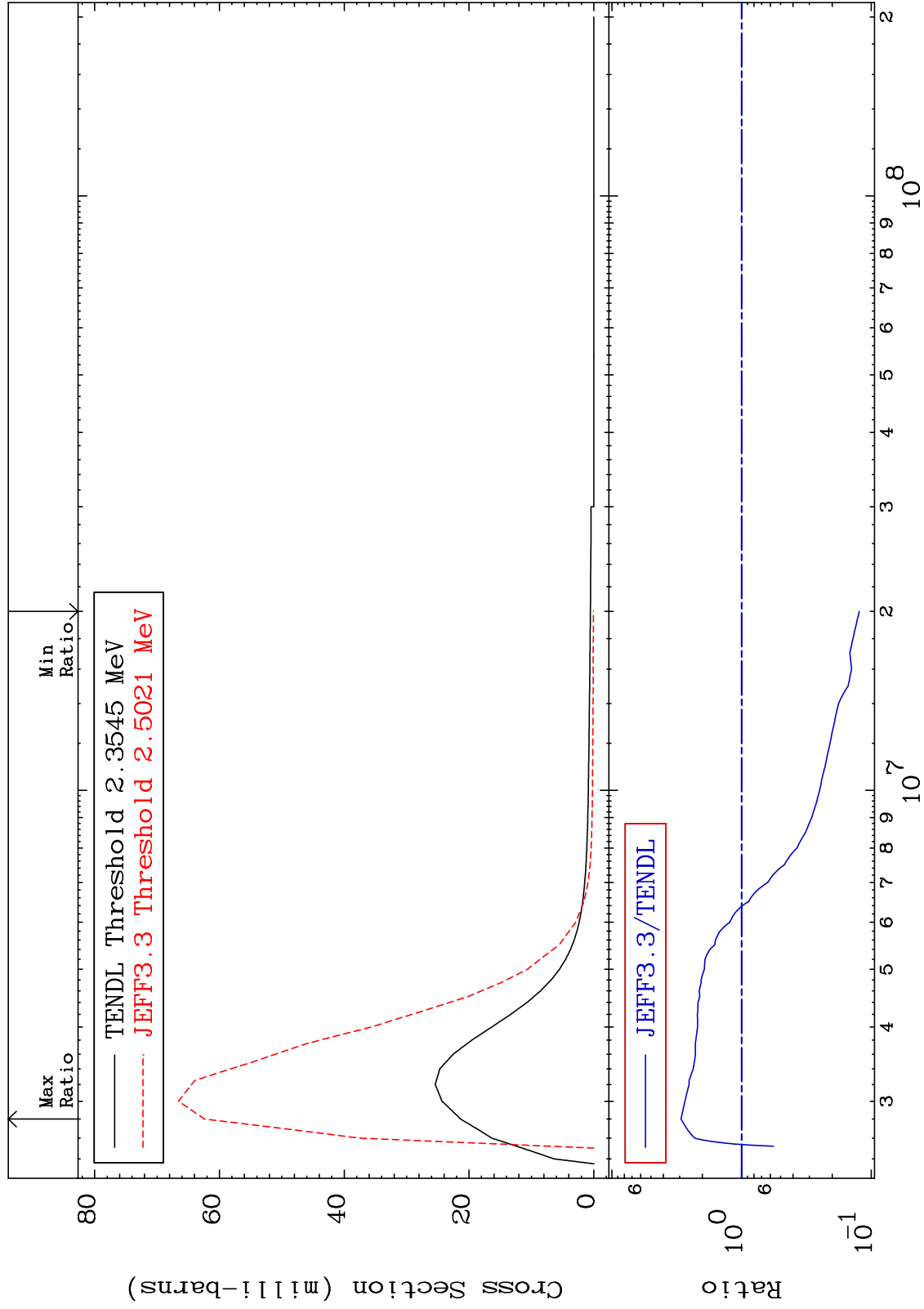
54-Xe-128
-77.93 To 9999. %



MAT 5437

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

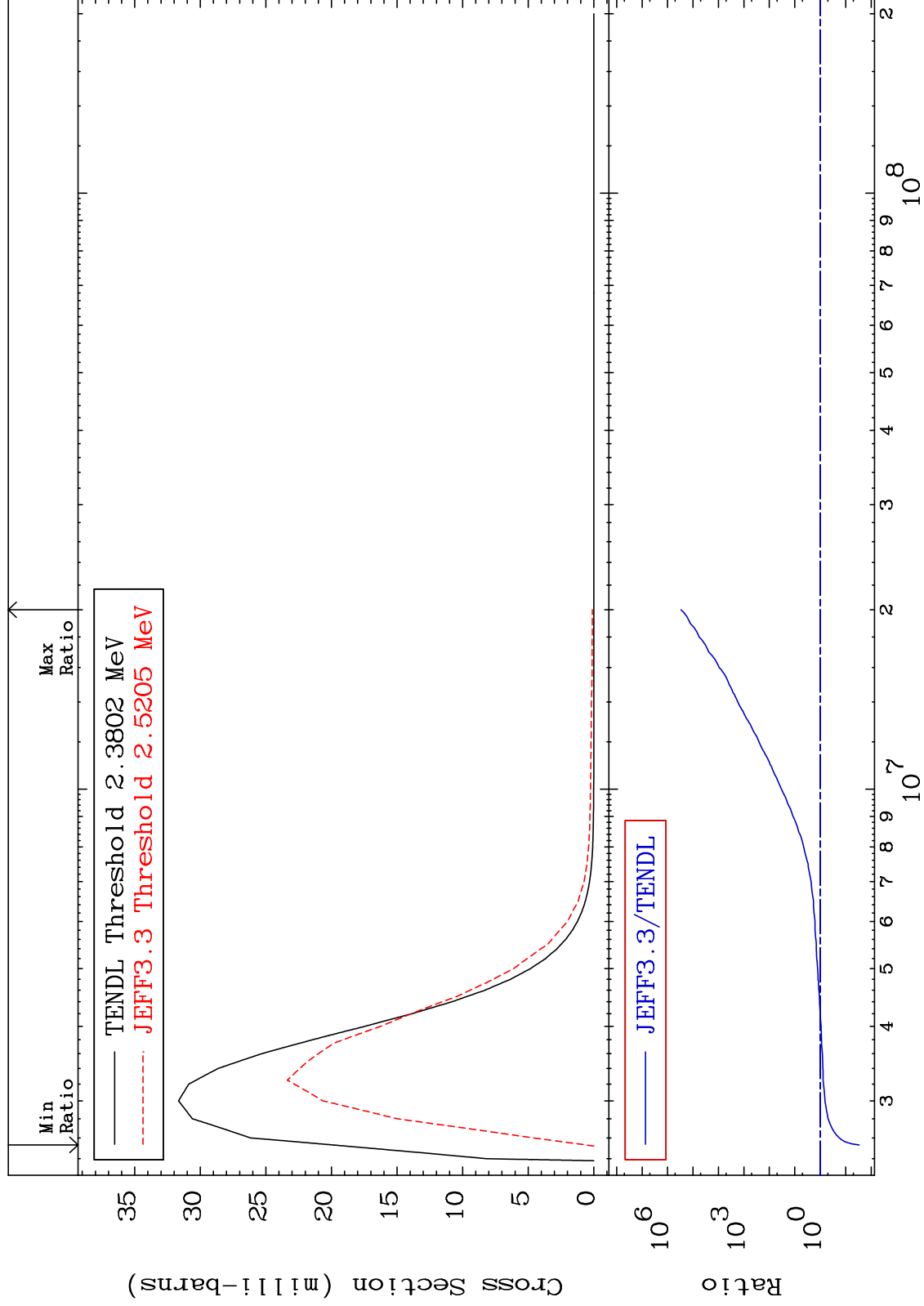
54-Xe-128
-87.66 To 192.4 %



MAT 5437

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

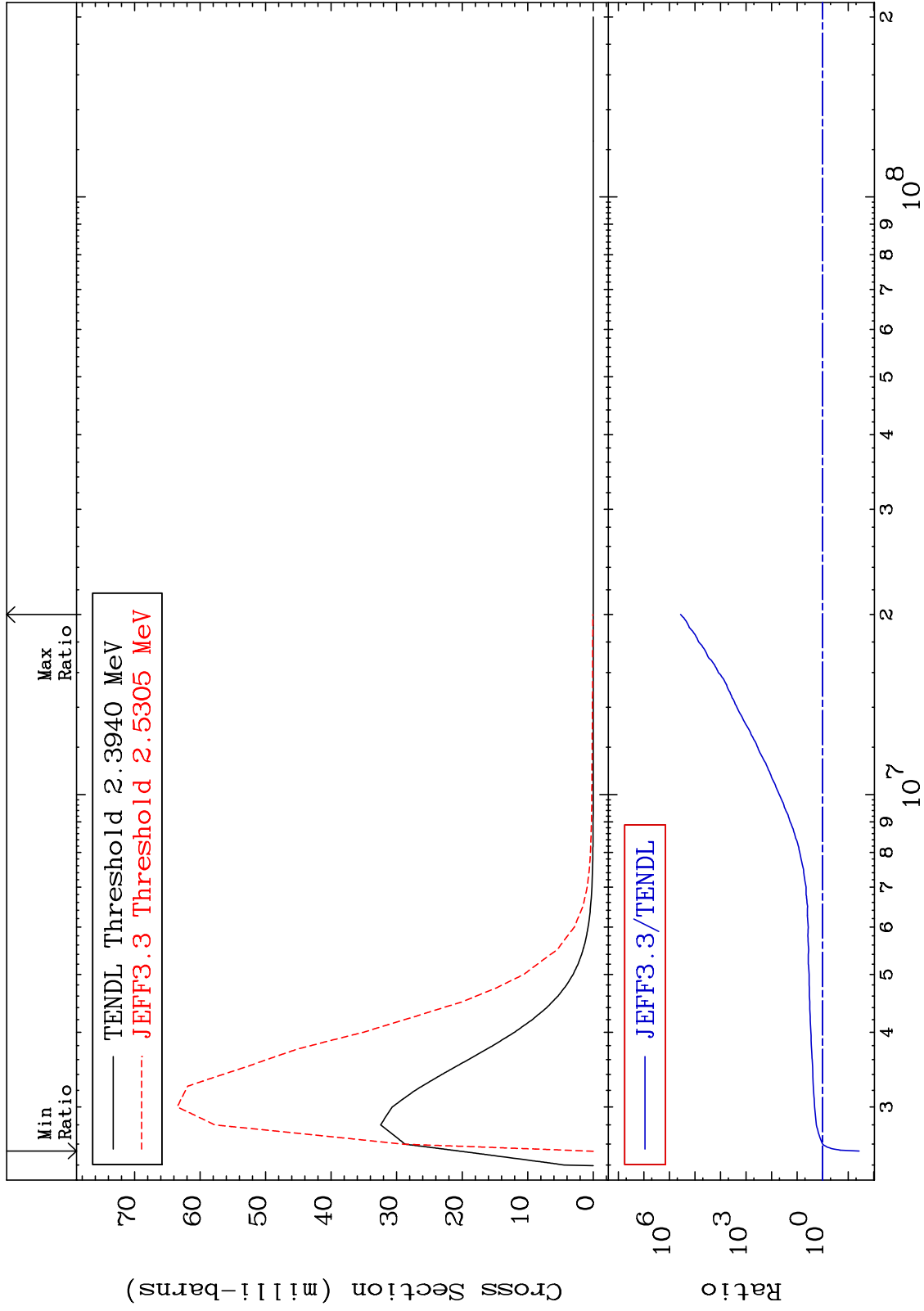
54-Xe-128
-97.08 To 9999. %



MAT 5437

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

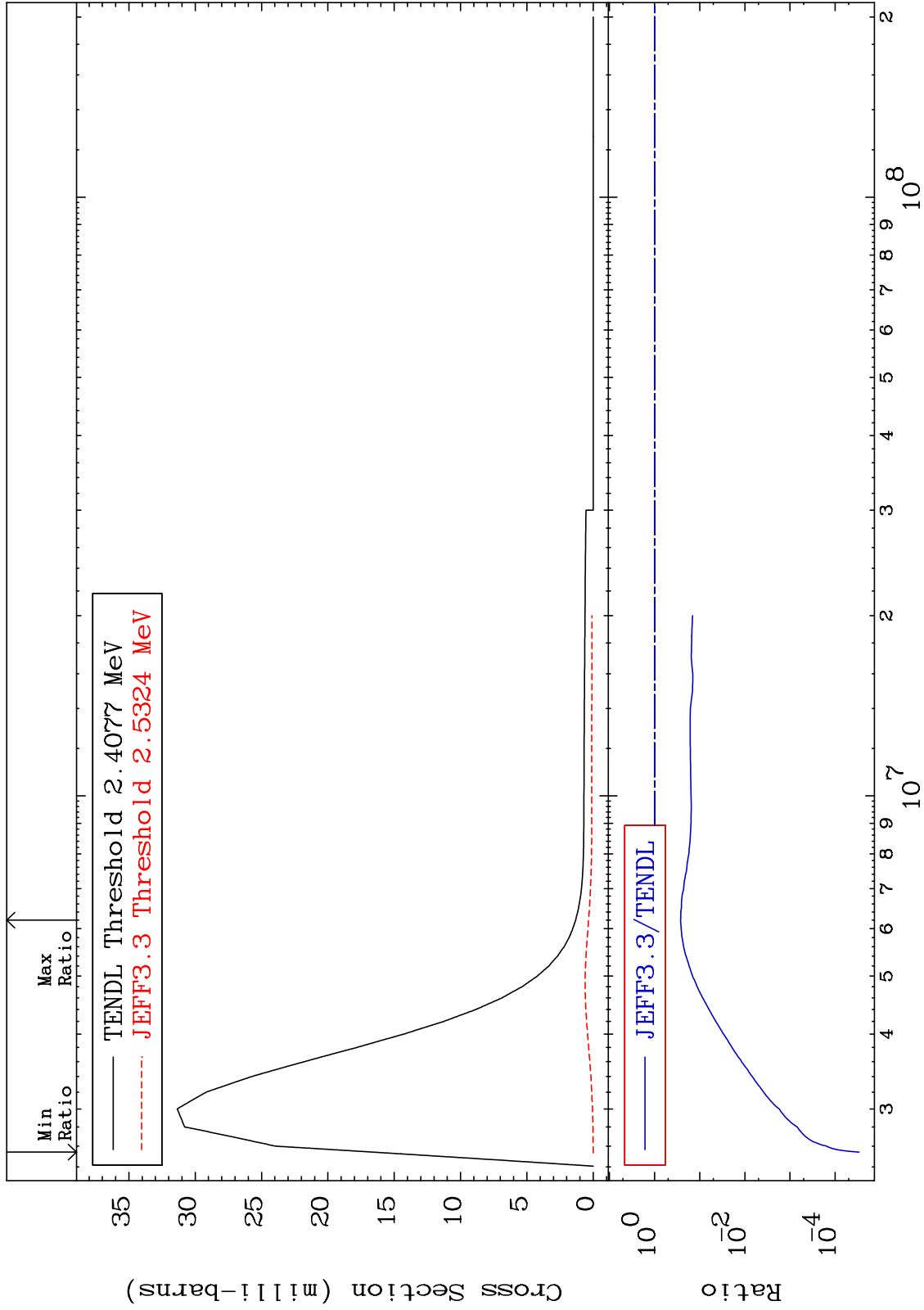
54-Xe-128
-96.24 To 9999. %



MAT 5437

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

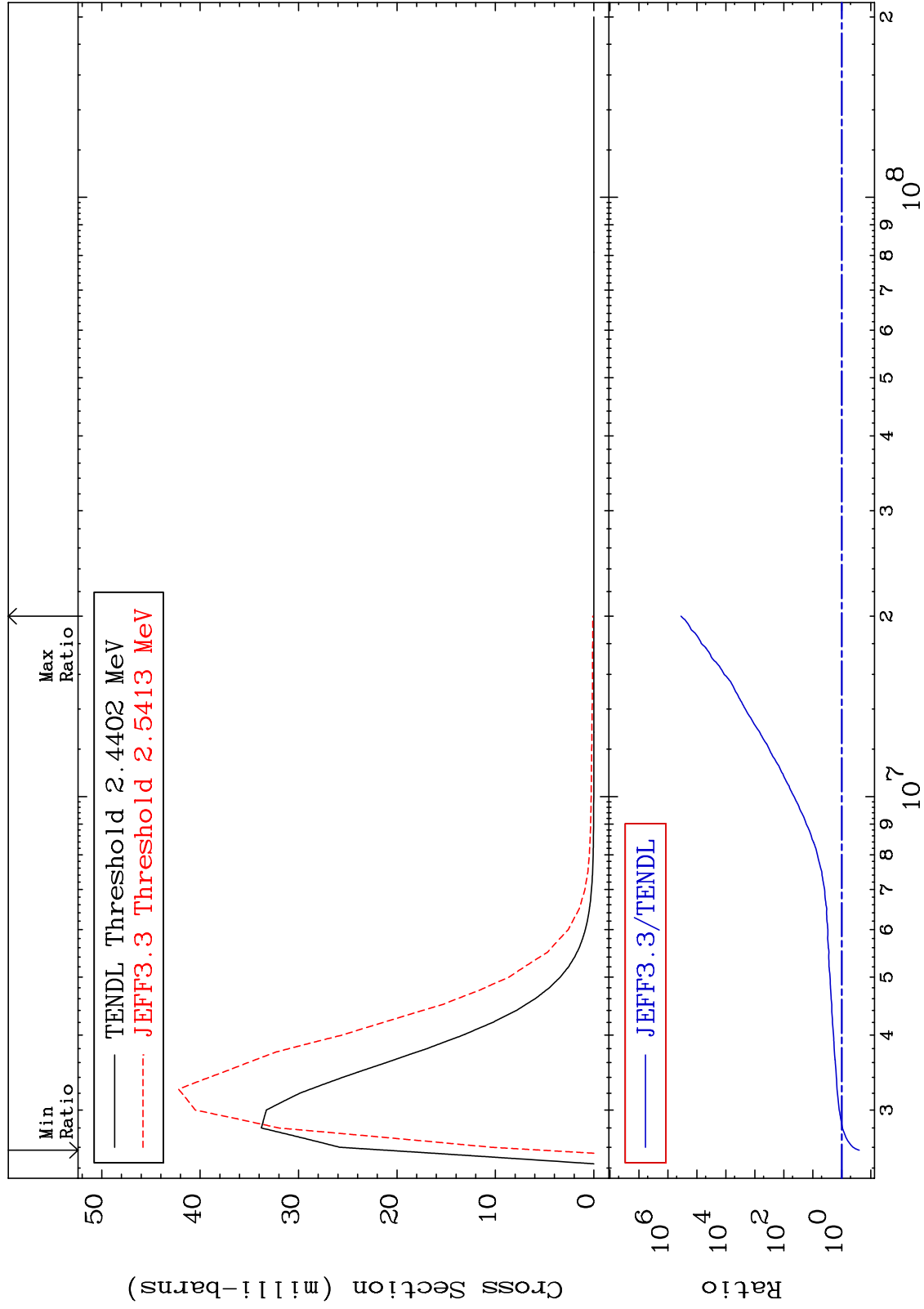
54-Xe-128
-100.0 To -73.53%



MAT 5437

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

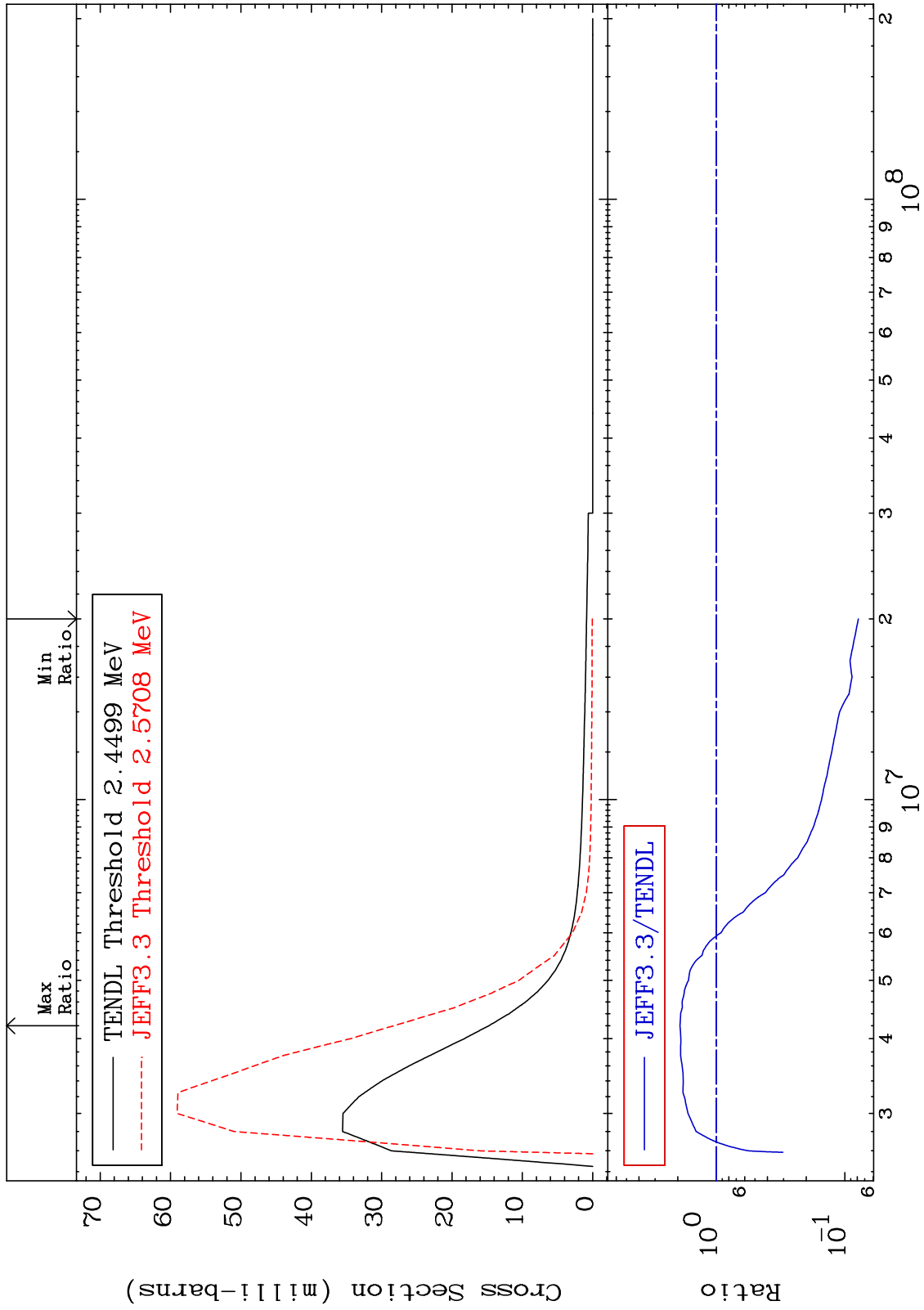
54-Xe-128
-75.21 To 9999. %



MAT 5437

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

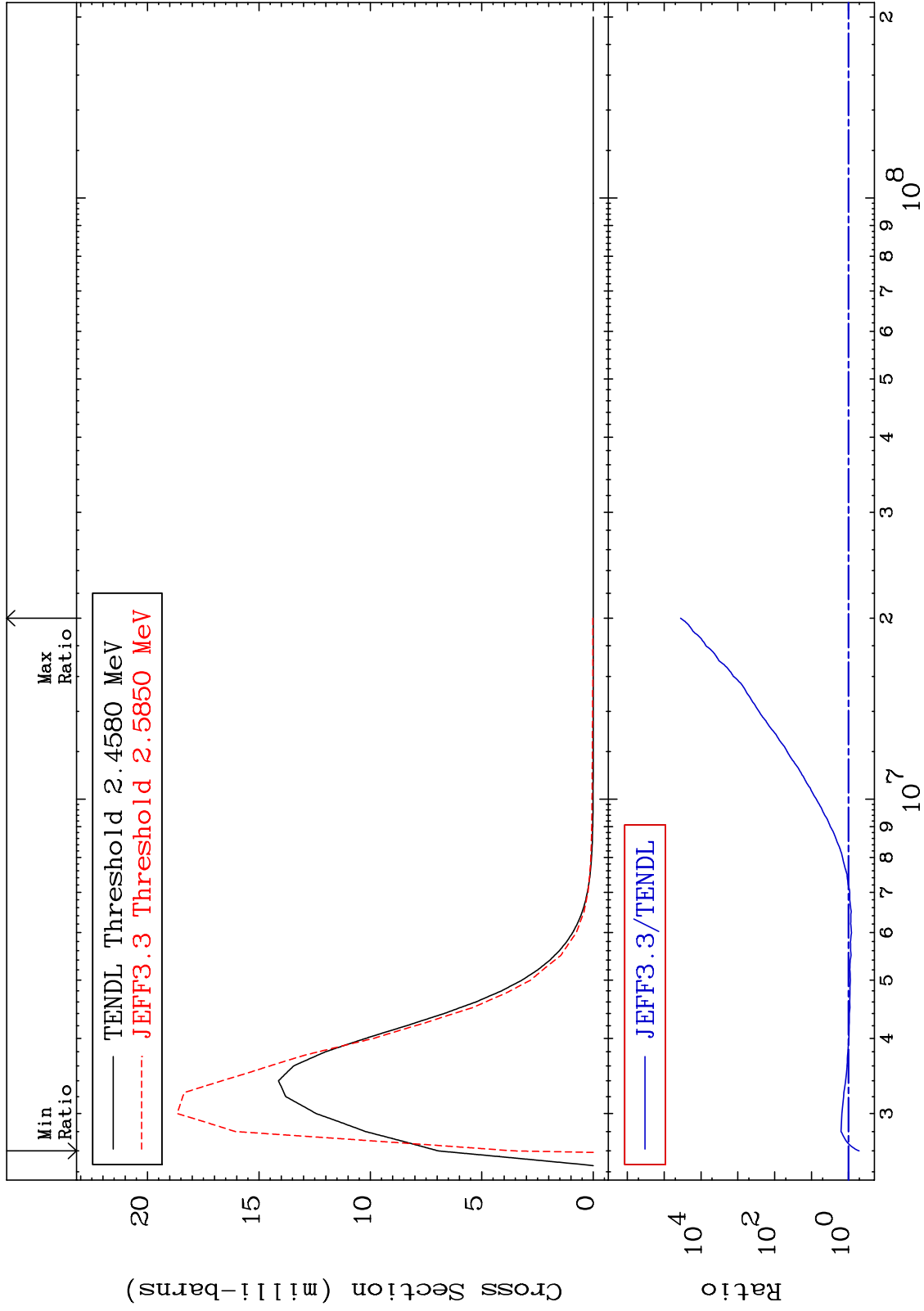
54-Xe-128
-92.16 To 91.73 %



MAT 5437

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

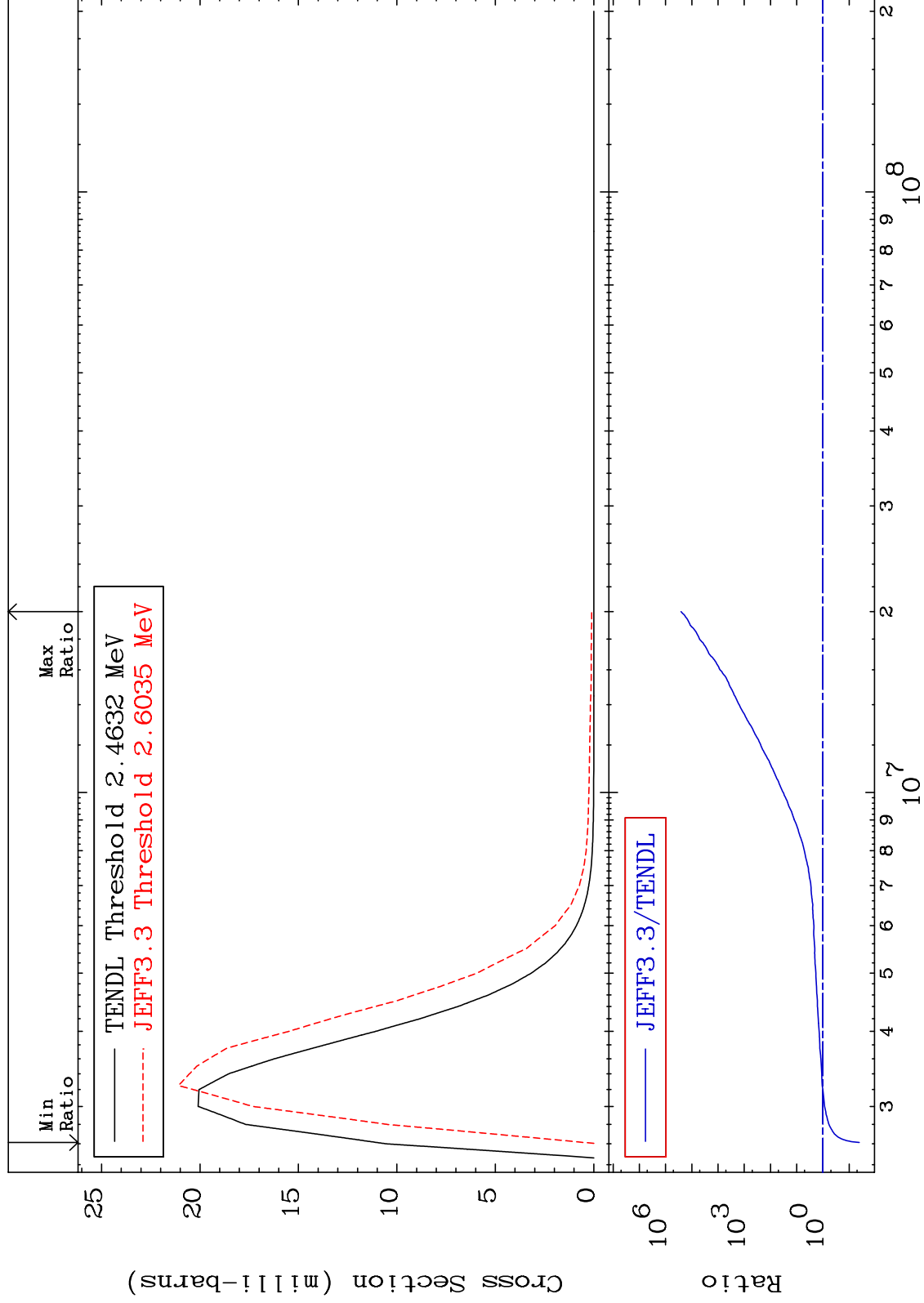
54-Xe-128
-49.21 To 9999. %



MAT 5437

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

54-Xe-128
-95.89 To 9999. %



35

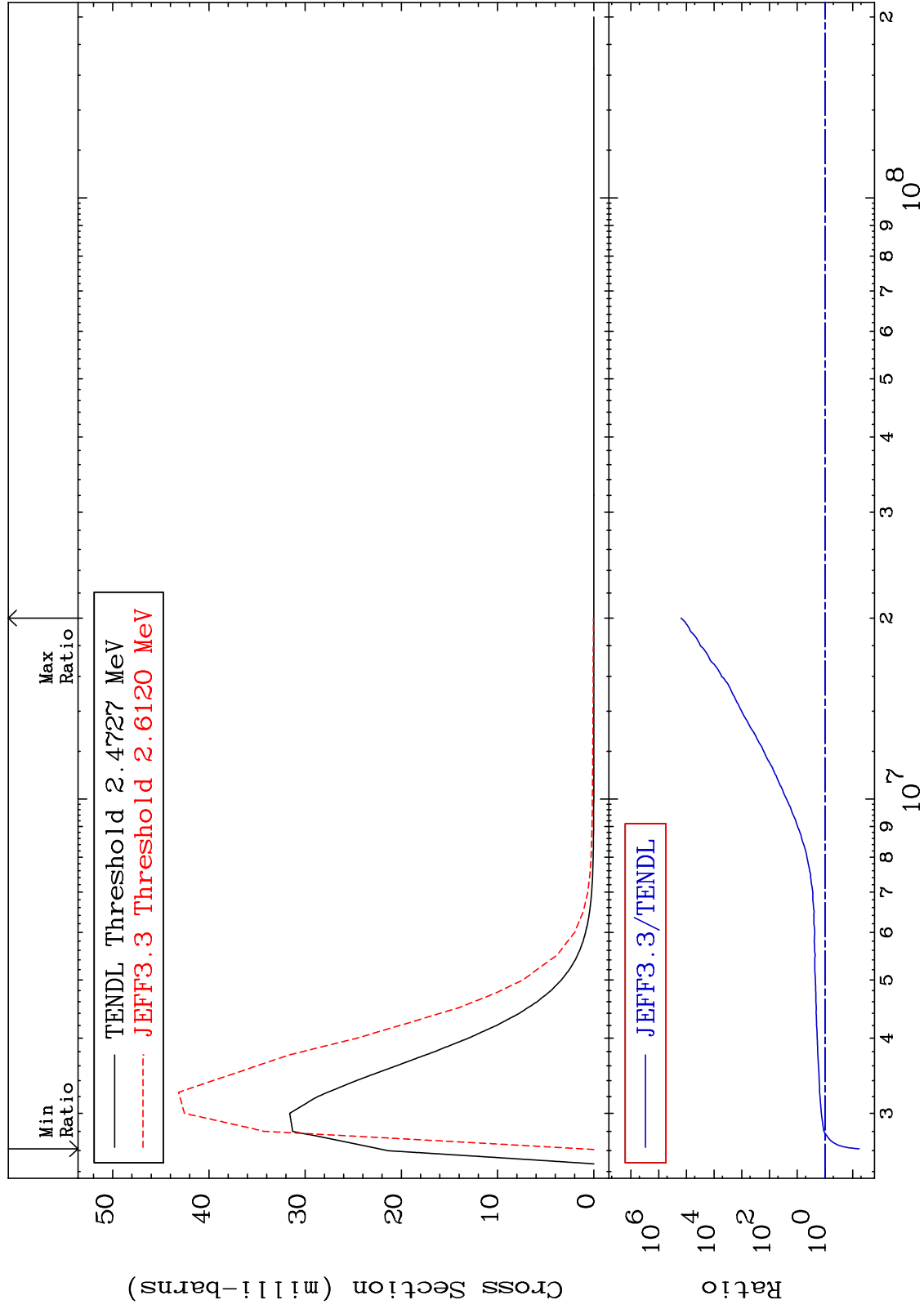
Incident Energy (eV)

54-Xe-128

MAT 5437

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

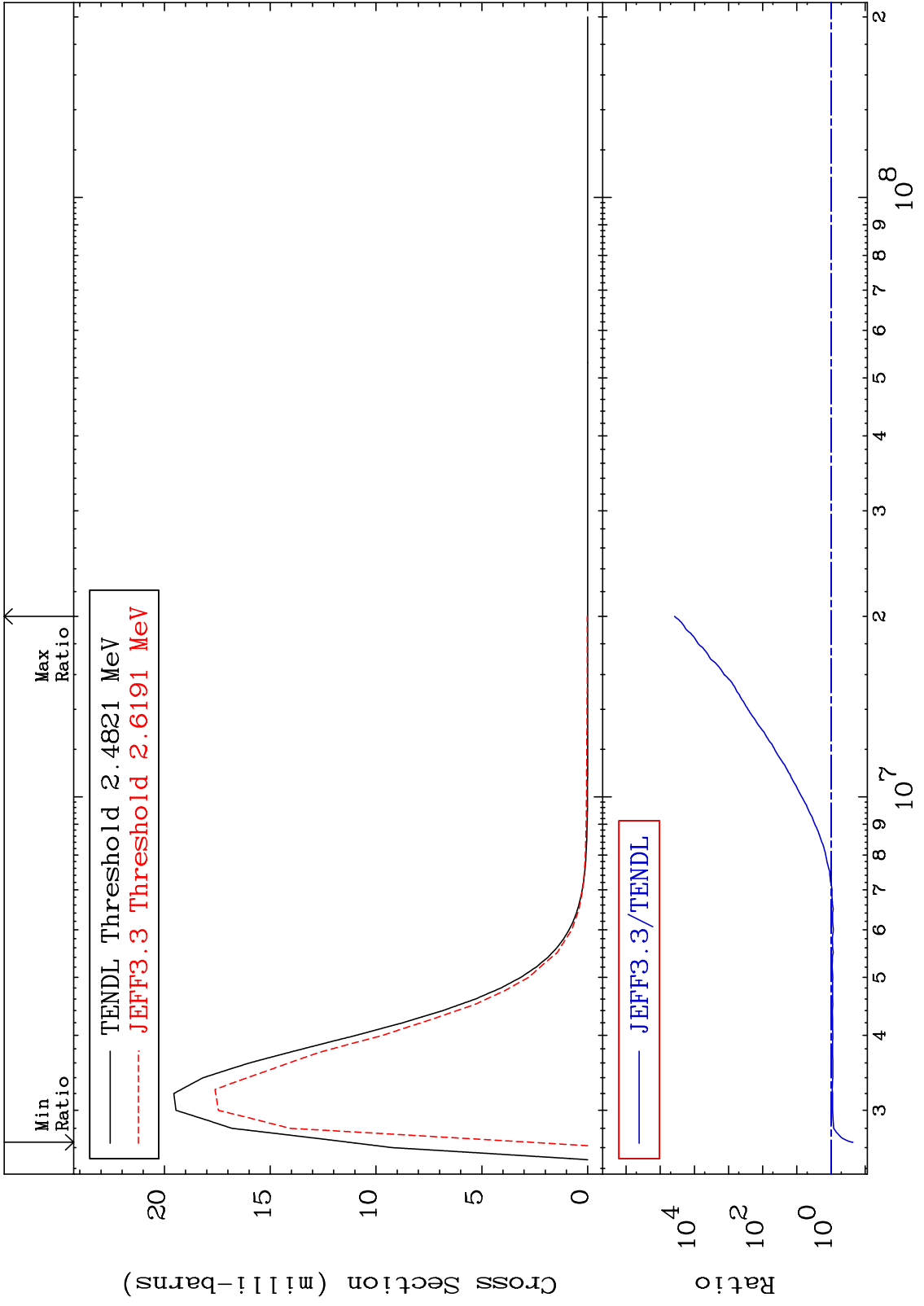
54-Xe-128
-94.25 To 9999. %



MAT 5437

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

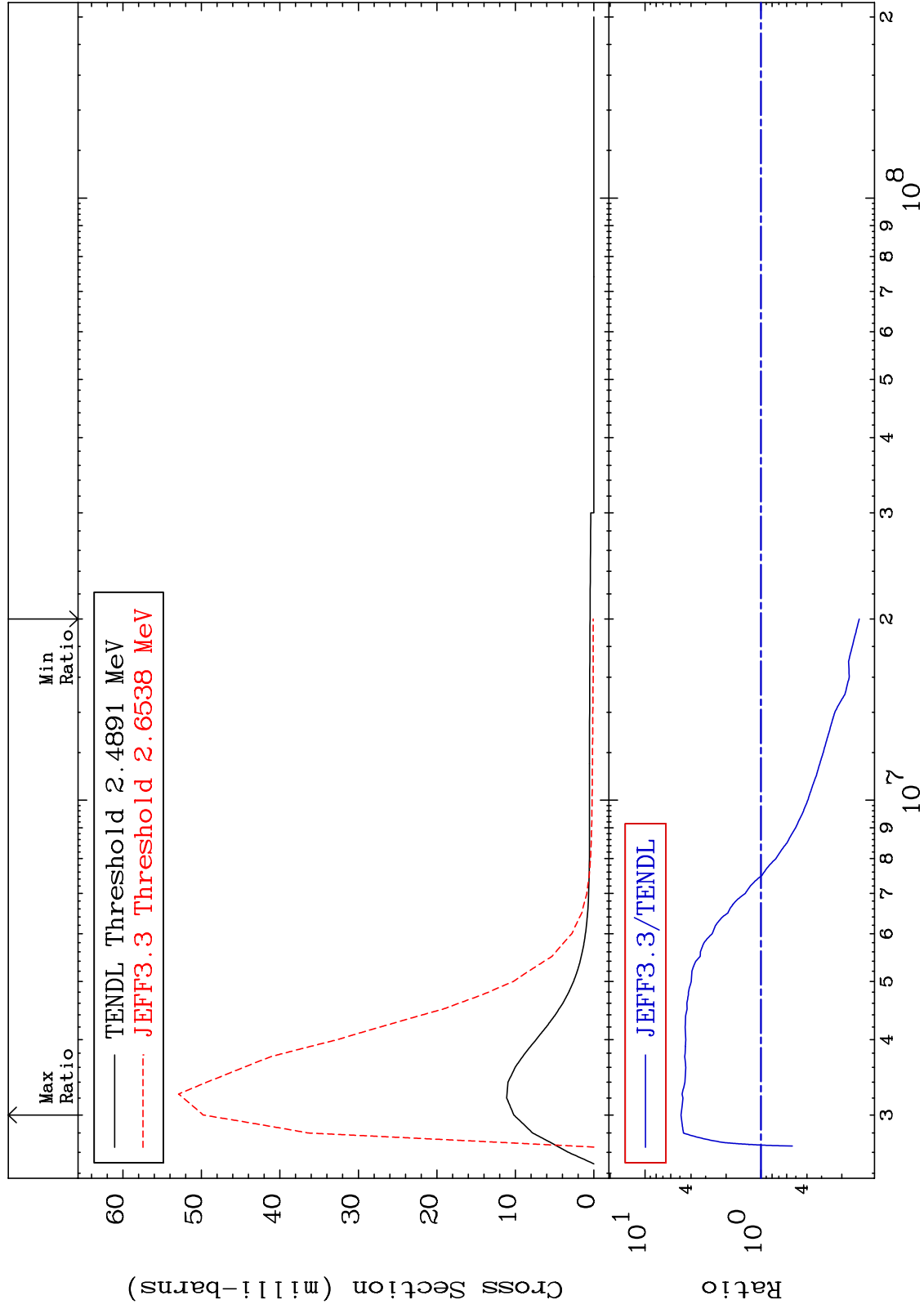
54-Xe-128
-76.09 To 9999. %



MAT 5437

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

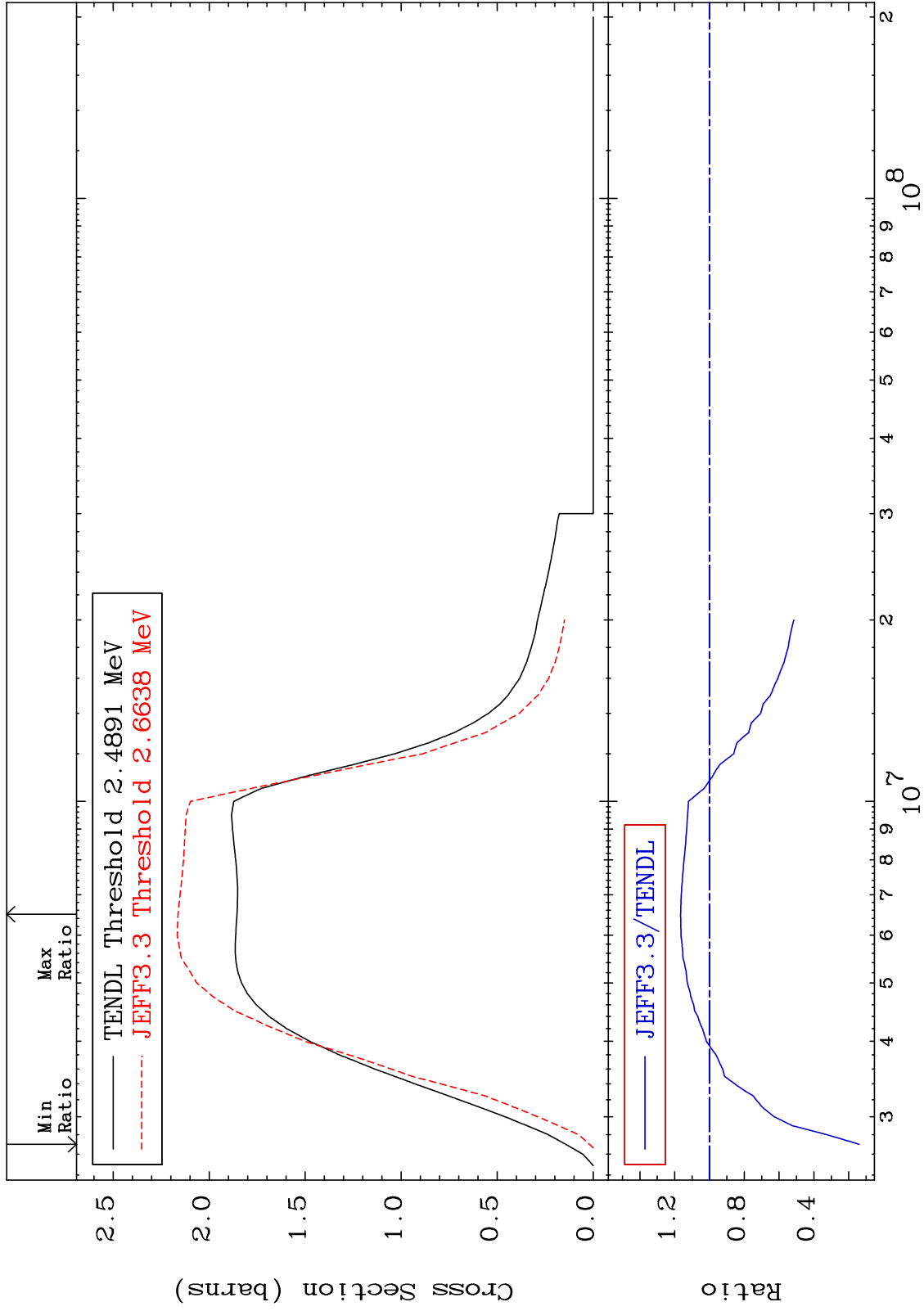
54-Xe-128
-85.84 To 388.3 %



MAT 5437

(n,n') Continuum
Cross Section

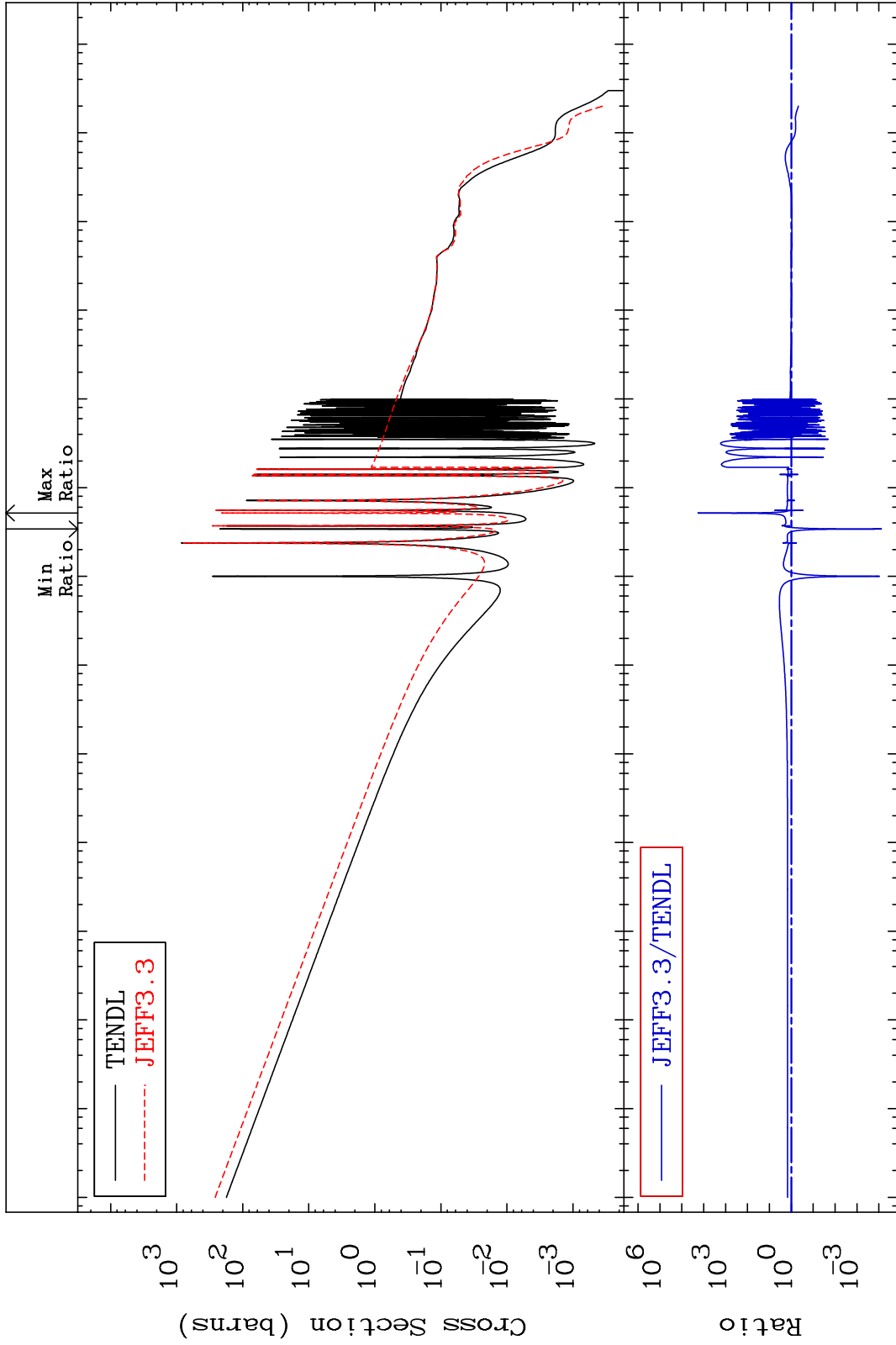
54-Xe-128
-86.02 To 16.57 %



MAT 5437

(n, γ)
Cross Section

54-Xe-128
-99.99 To 9999. %



40

Incident Energy (eV)

54-Xe-128

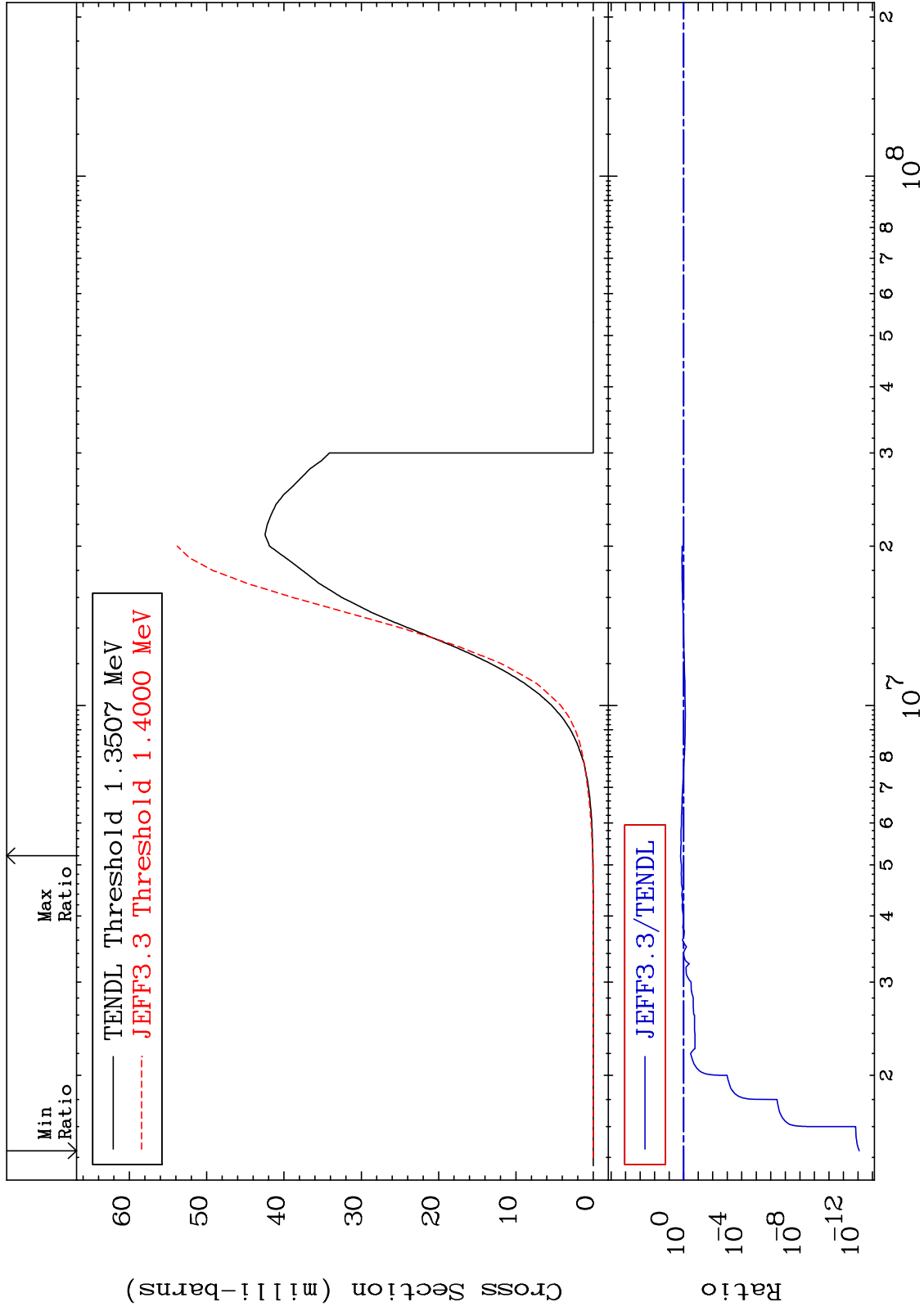
MAT 5437

(n, p)

54-Xe-128

Cross Section

-100.0 To 62.46 %



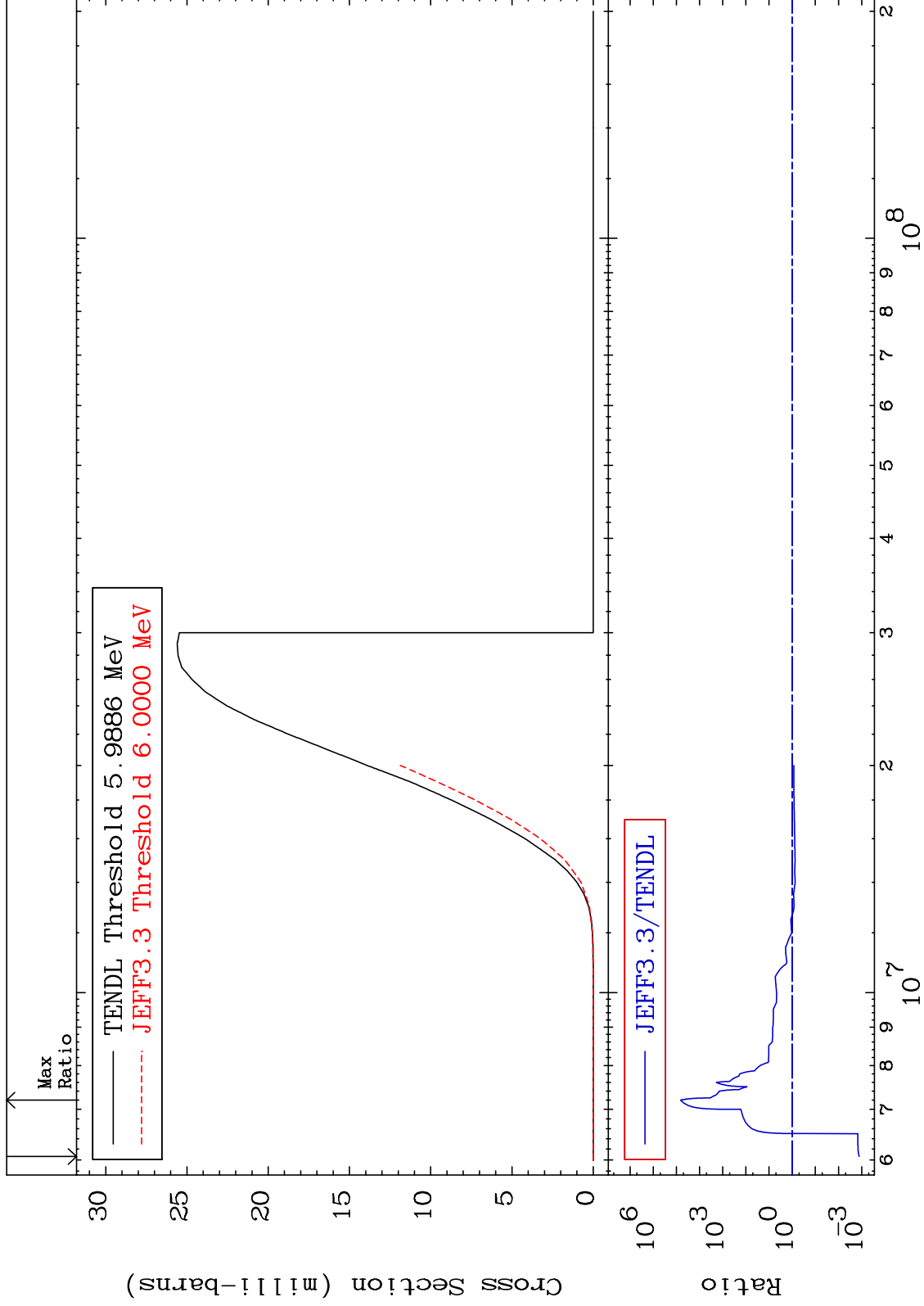
MAT 5437

(n, d)

54-Xe-128

Cross Section

-99.87 To 9999. %



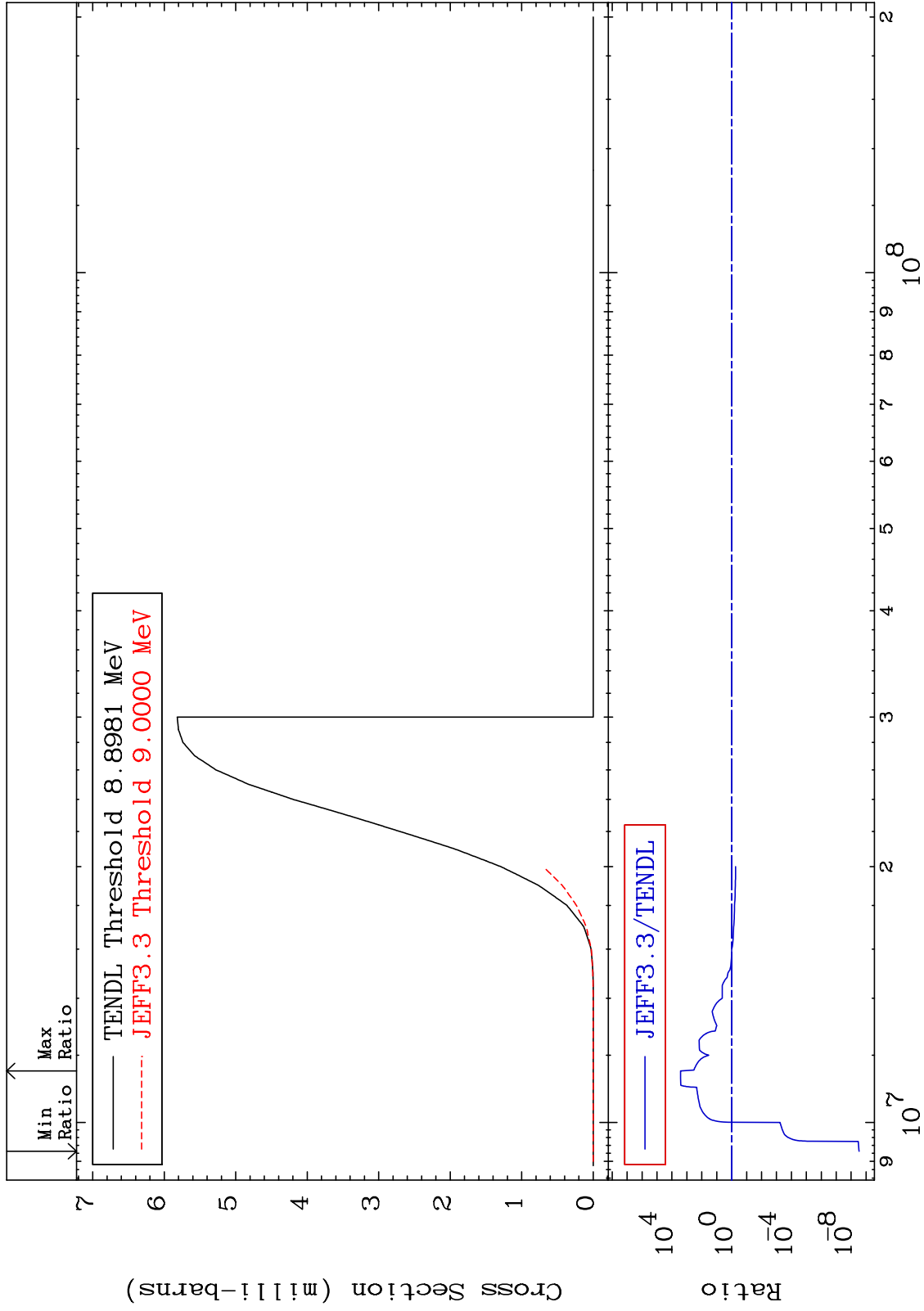
MAT 5437

(n, t)

54-Xe-128

Cross Section

-100.0 To 9999. %



43

Incident Energy (eV)

54-Xe-128

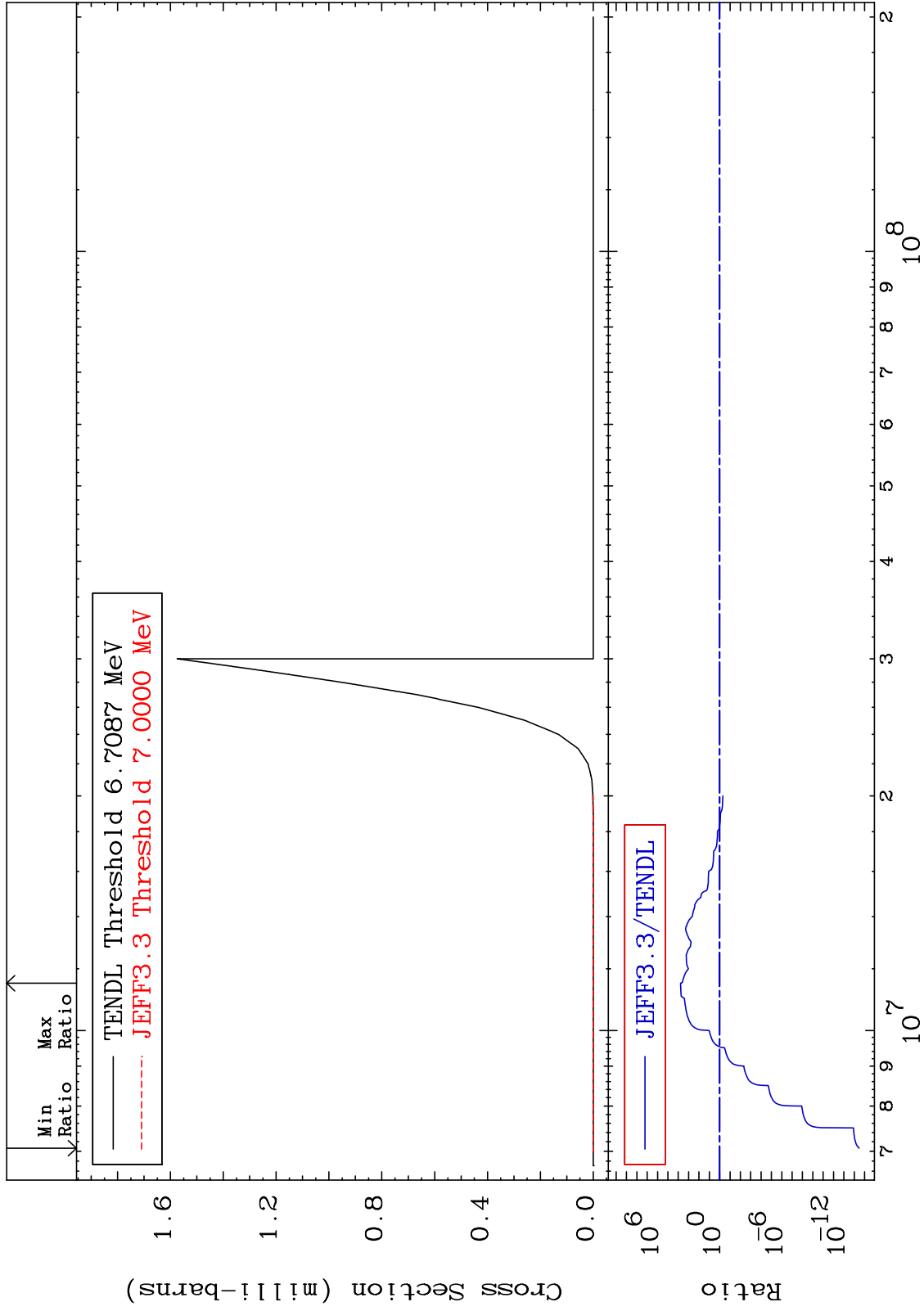
MAT 5437

(n, He-3)

54-Xe-128

Cross Section

-100.0 To 9999. %



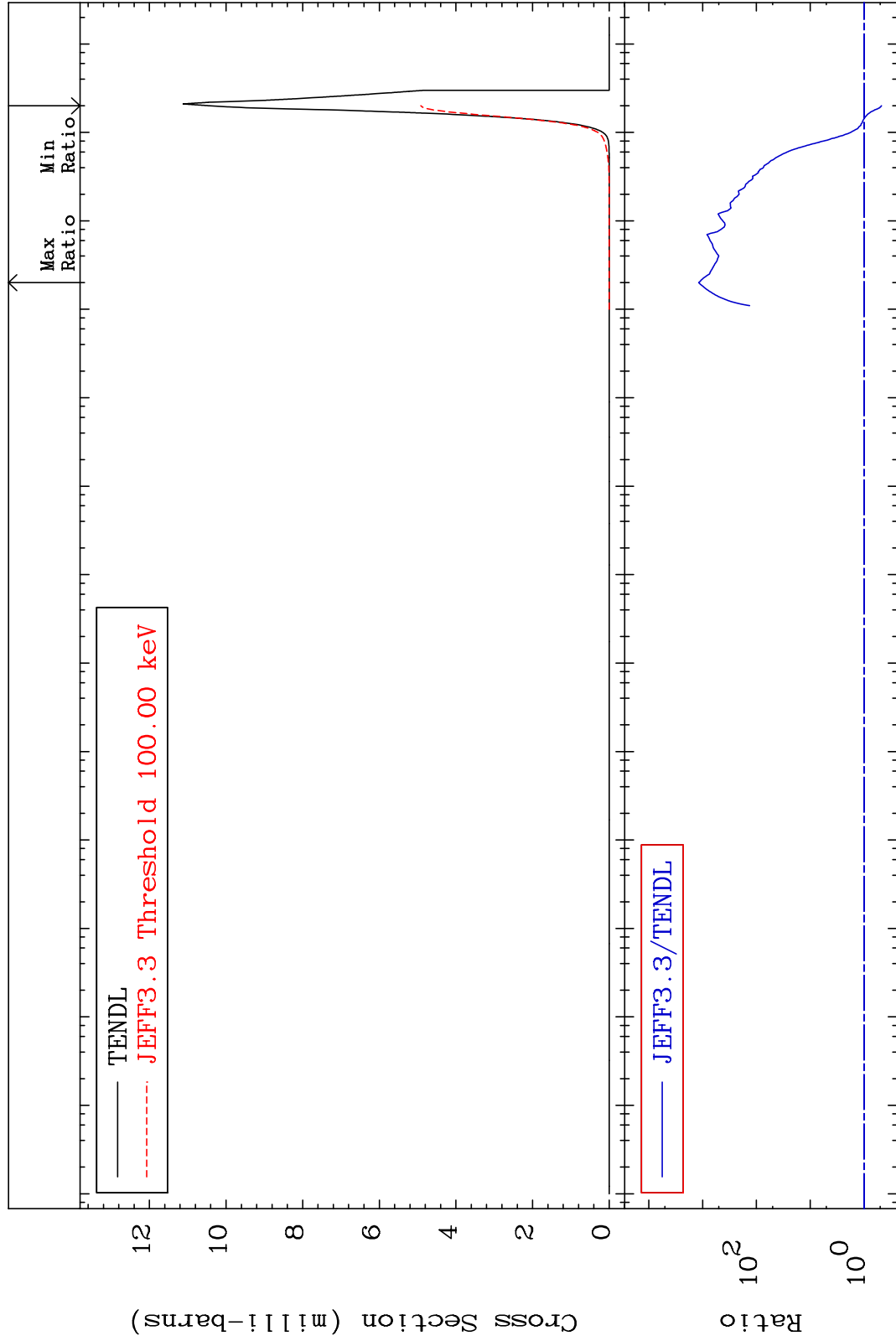
MAT 5437

(n, α)

54-Xe-128

Cross Section

-52.89 To 9999. %



— TENDL
- - - JEFF3.3 Threshold 100.00 keV

— JEFF3.3/TENDL

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁴ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
Incident Energy (eV)

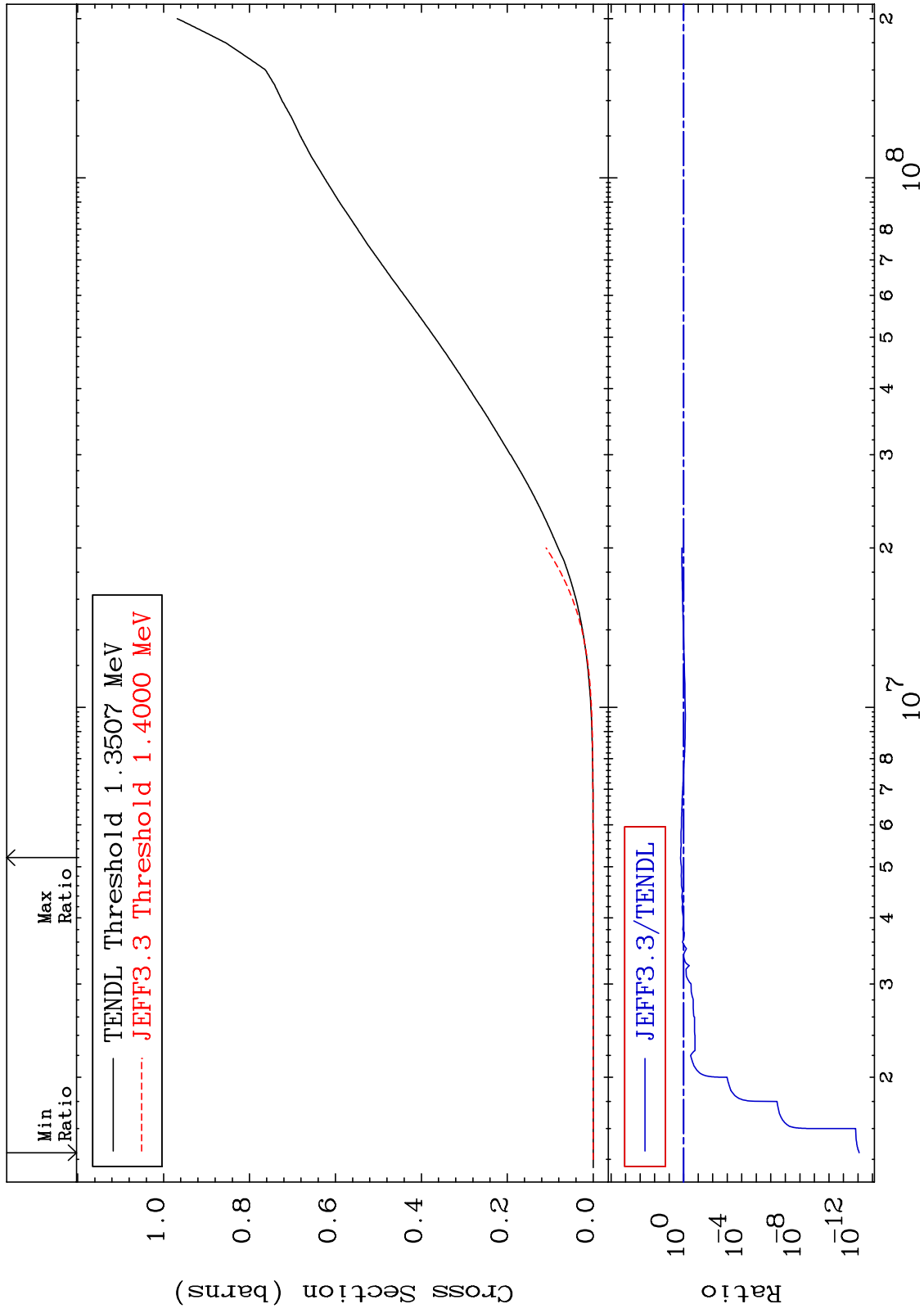
54-Xe-128

45

MAT 5437

Hydrogen Production
Cross Section

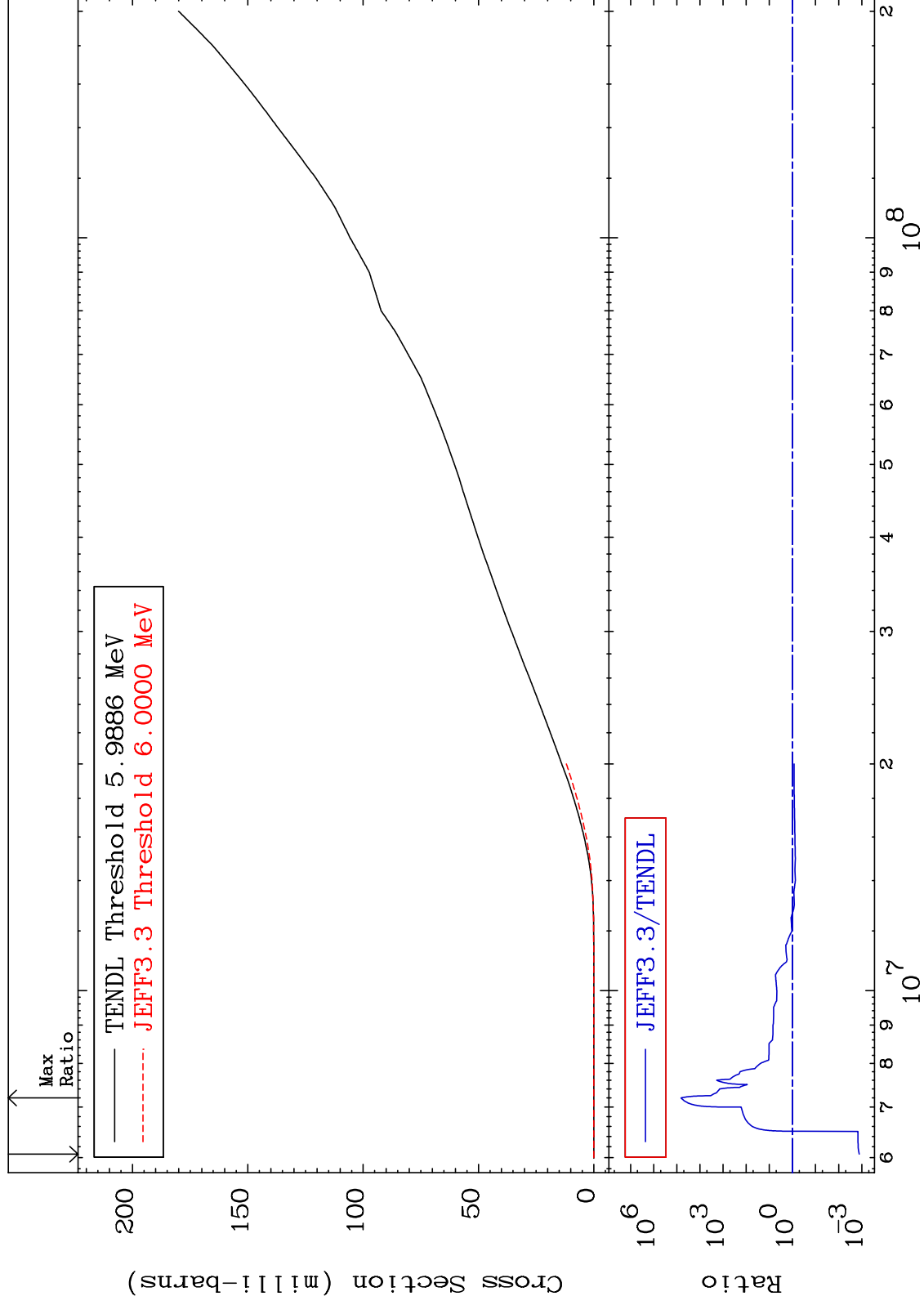
54-Xe-128
-100.0 To 62.46 %



MAT 5437

Deuterium Production
Cross Section

54-Xe-128
-99.87 To 9999. %



47

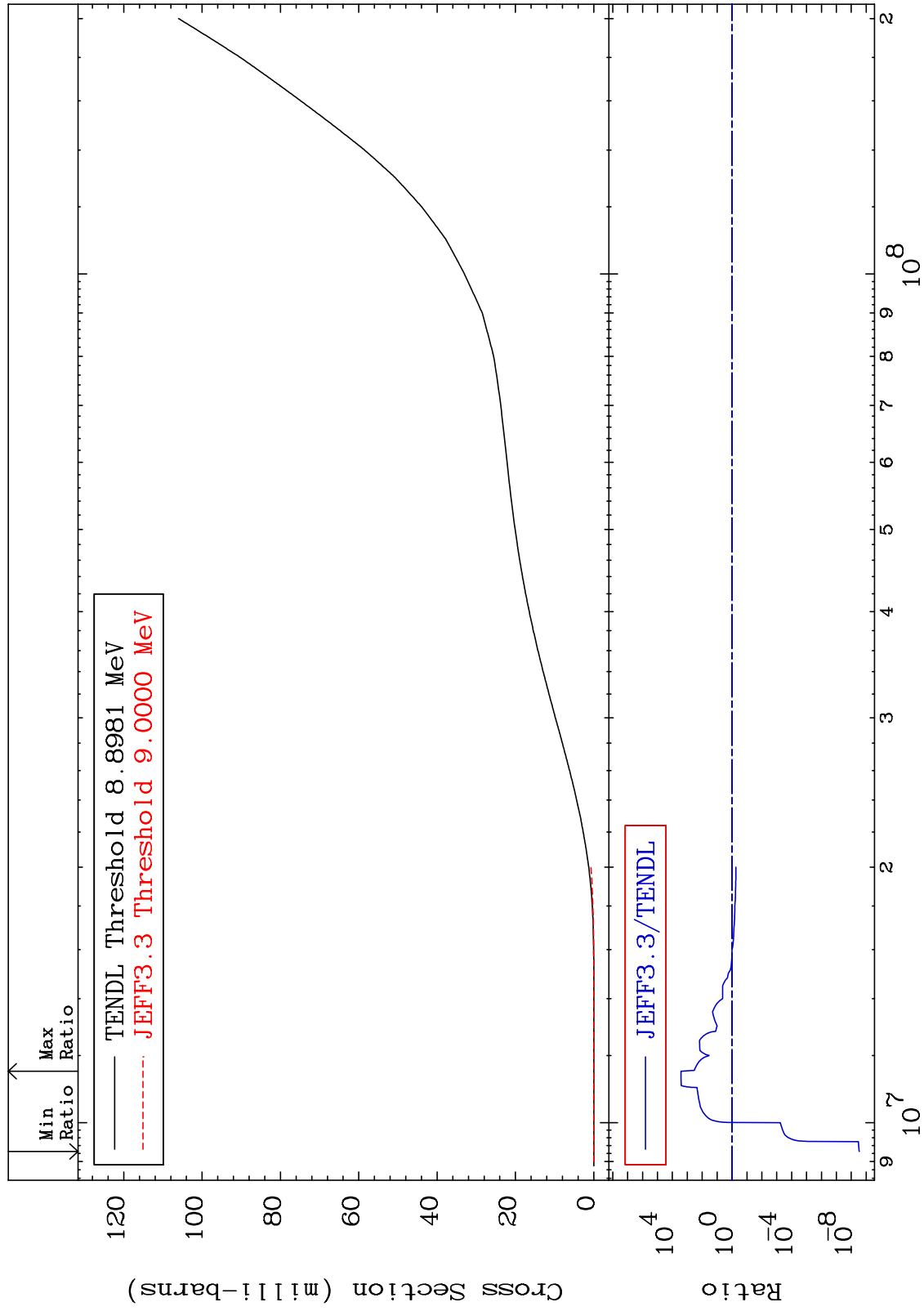
Incident Energy (eV)

54-Xe-128

MAT 5437

Tritium Production
Cross Section

54-Xe-128
-100.0 To 9999. %



48

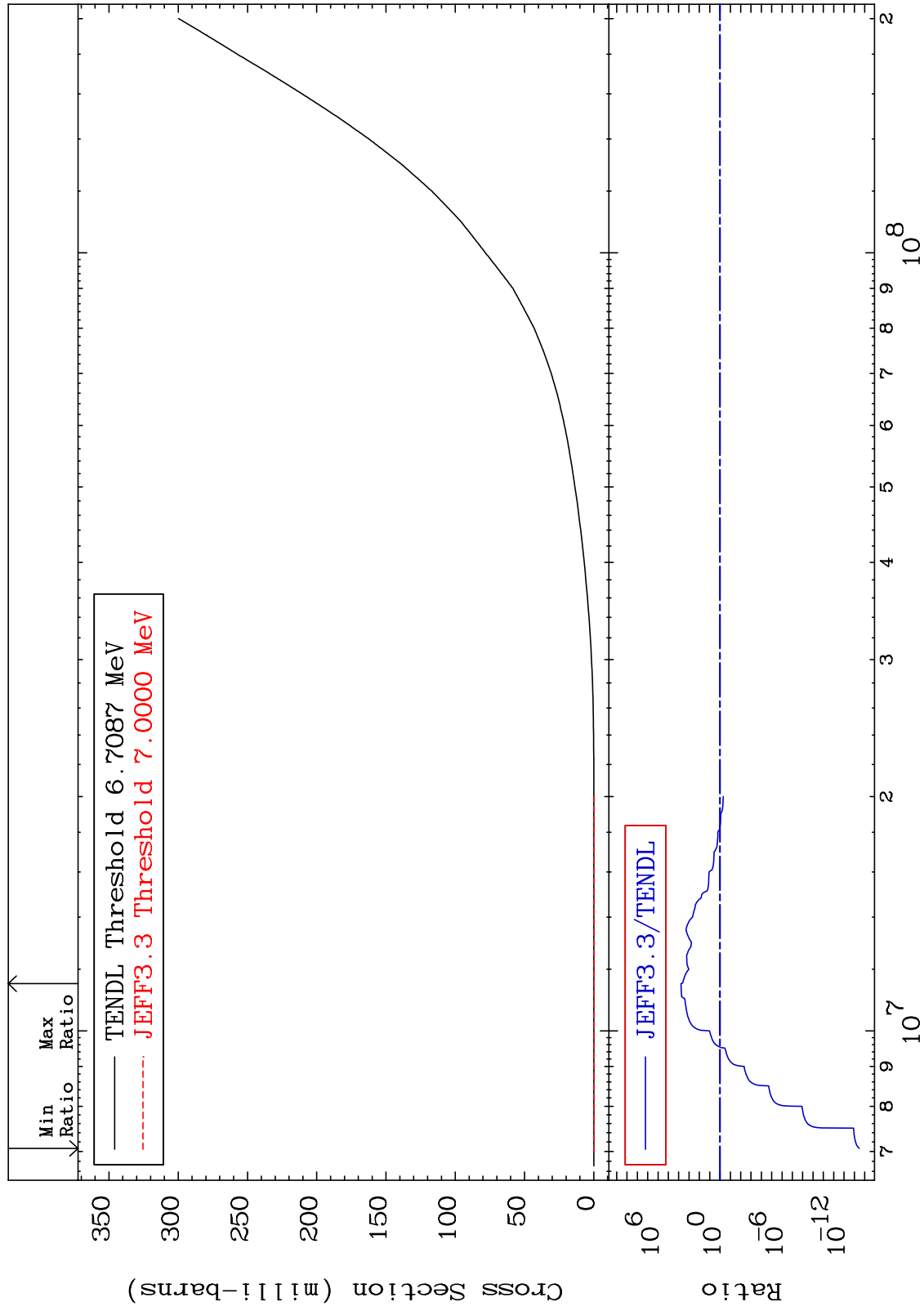
Incident Energy (eV)

54-Xe-128

MAT 5437

He-3 Production
Cross Section

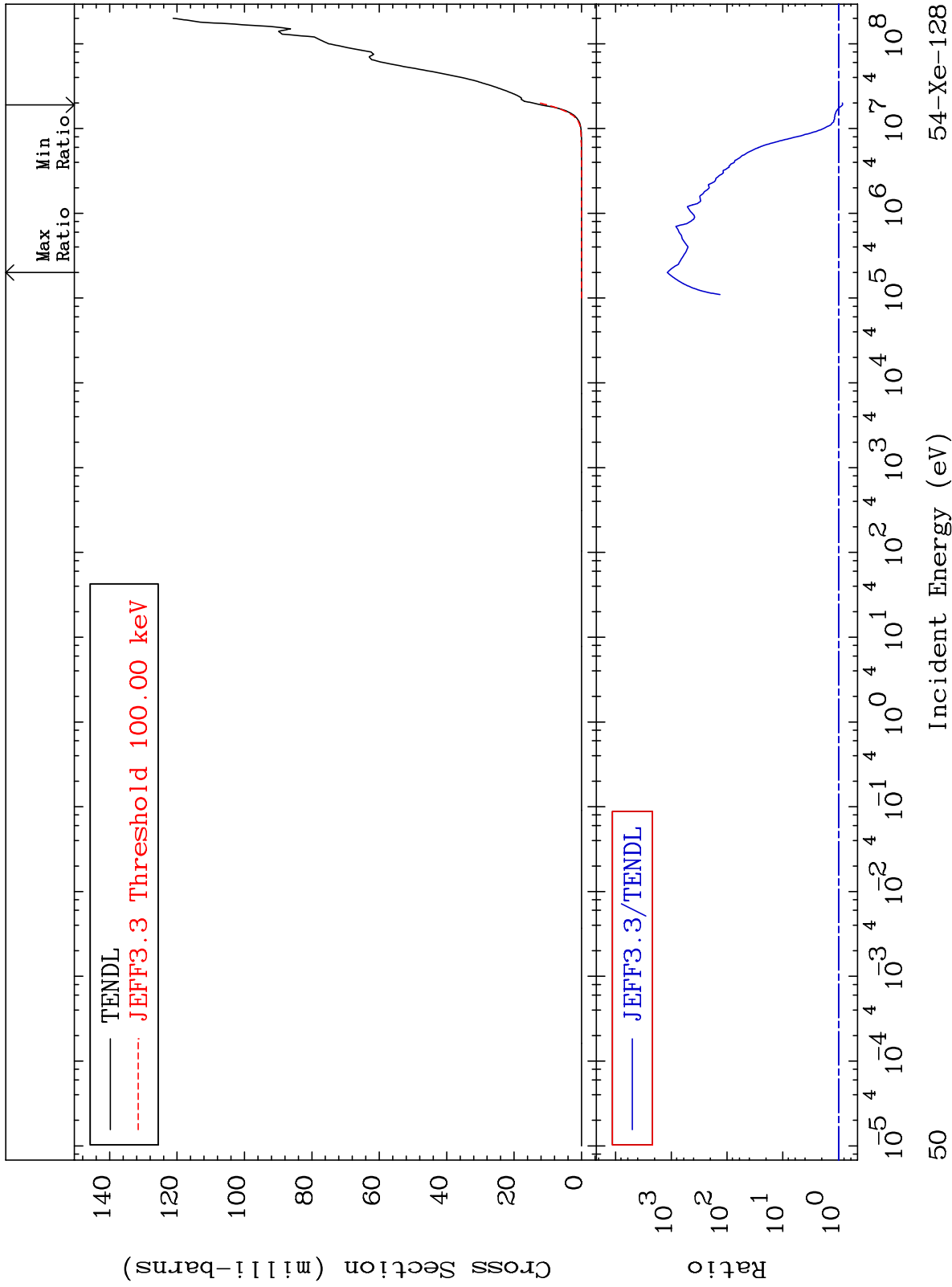
54-Xe-128
-100.0 To 9999. %



MAT 5437

He-4 Production
Cross Section

54-Xe-128
-15.12 To 9999. %



50

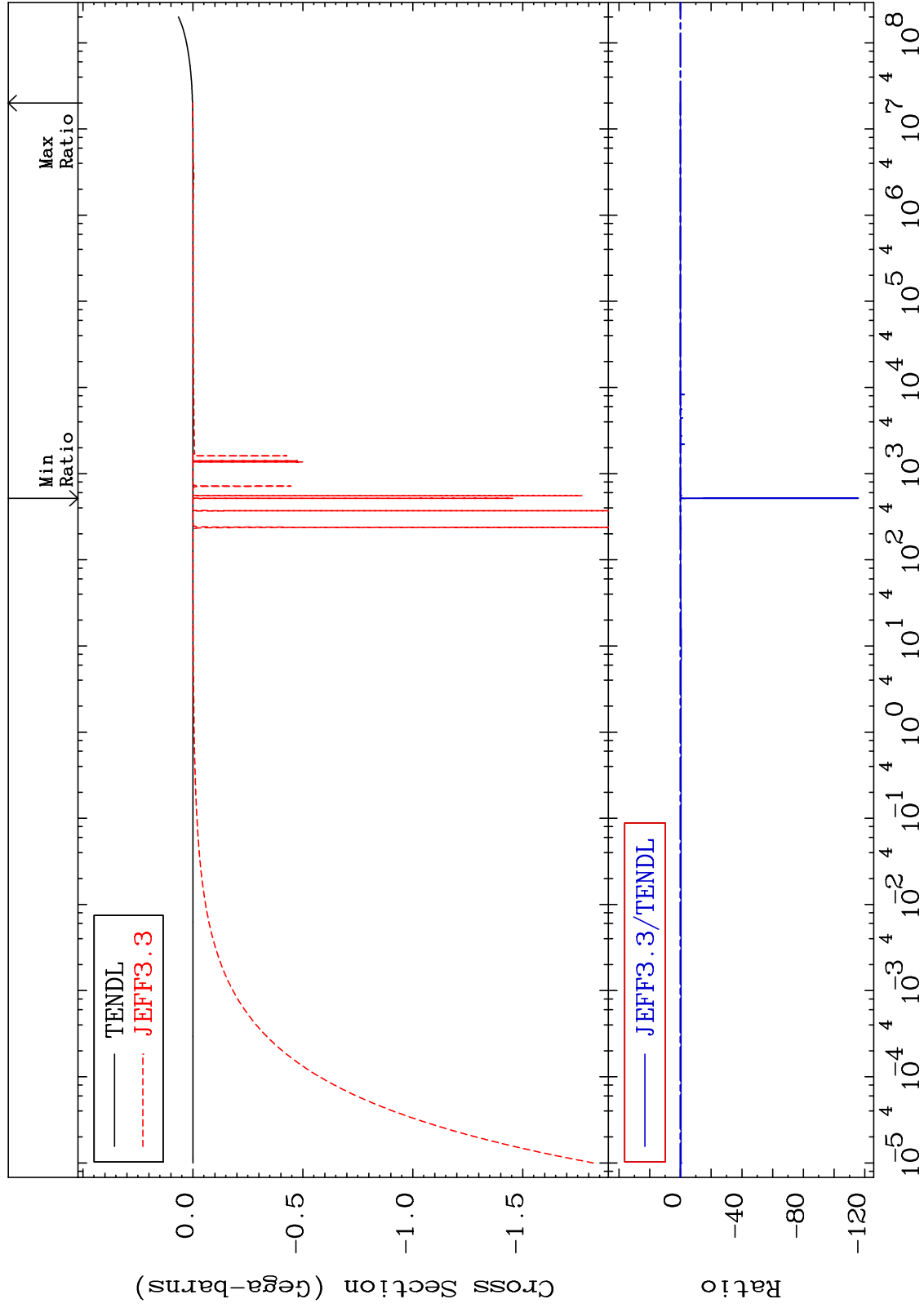
Incident Energy (eV)

54-Xe-128

MAT 5437

Kerma total (eV-barns)
Cross Section

54-Xe-128
-9999. To -16.60%



51

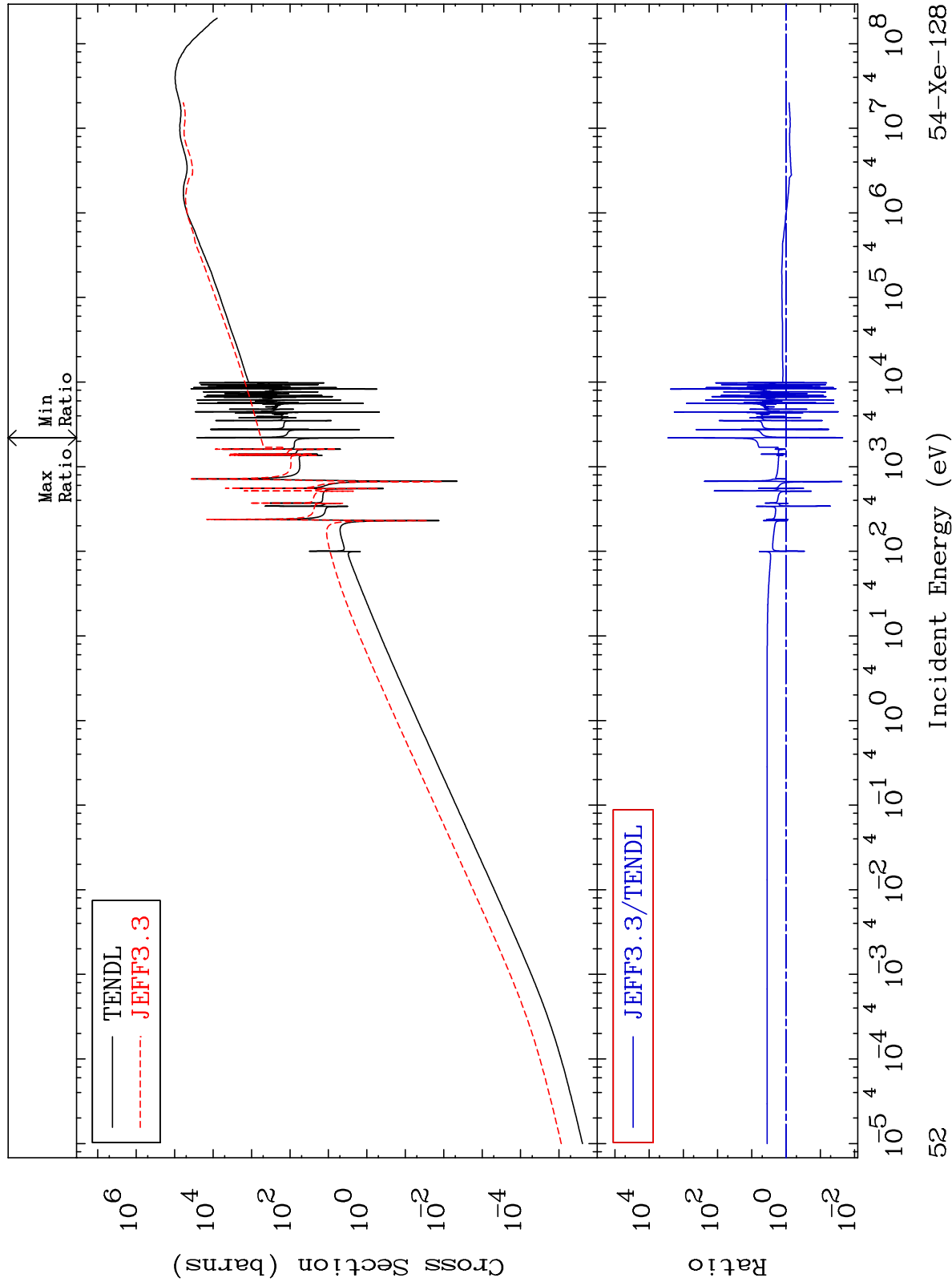
Incident Energy (eV)

54-Xe-128

MAT 5437

Kerma elastic
Cross Section

54-Xe-128
-97.81 To 9999. %



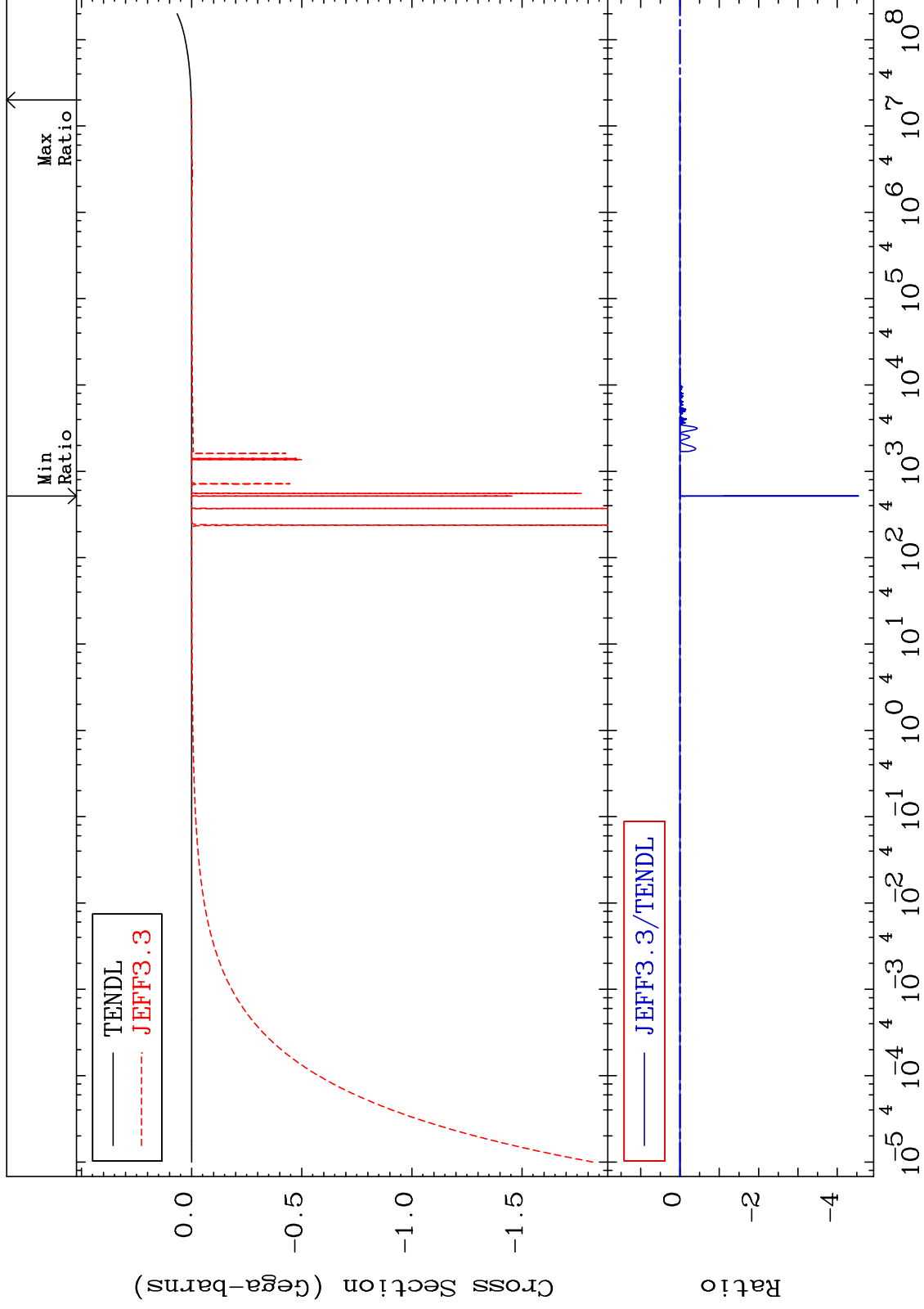
52

54-Xe-128

MAT 5437

Kerma non-elastic (all but mt2)
Cross Section

54-Xe-128
-9999. To -16.53%



53

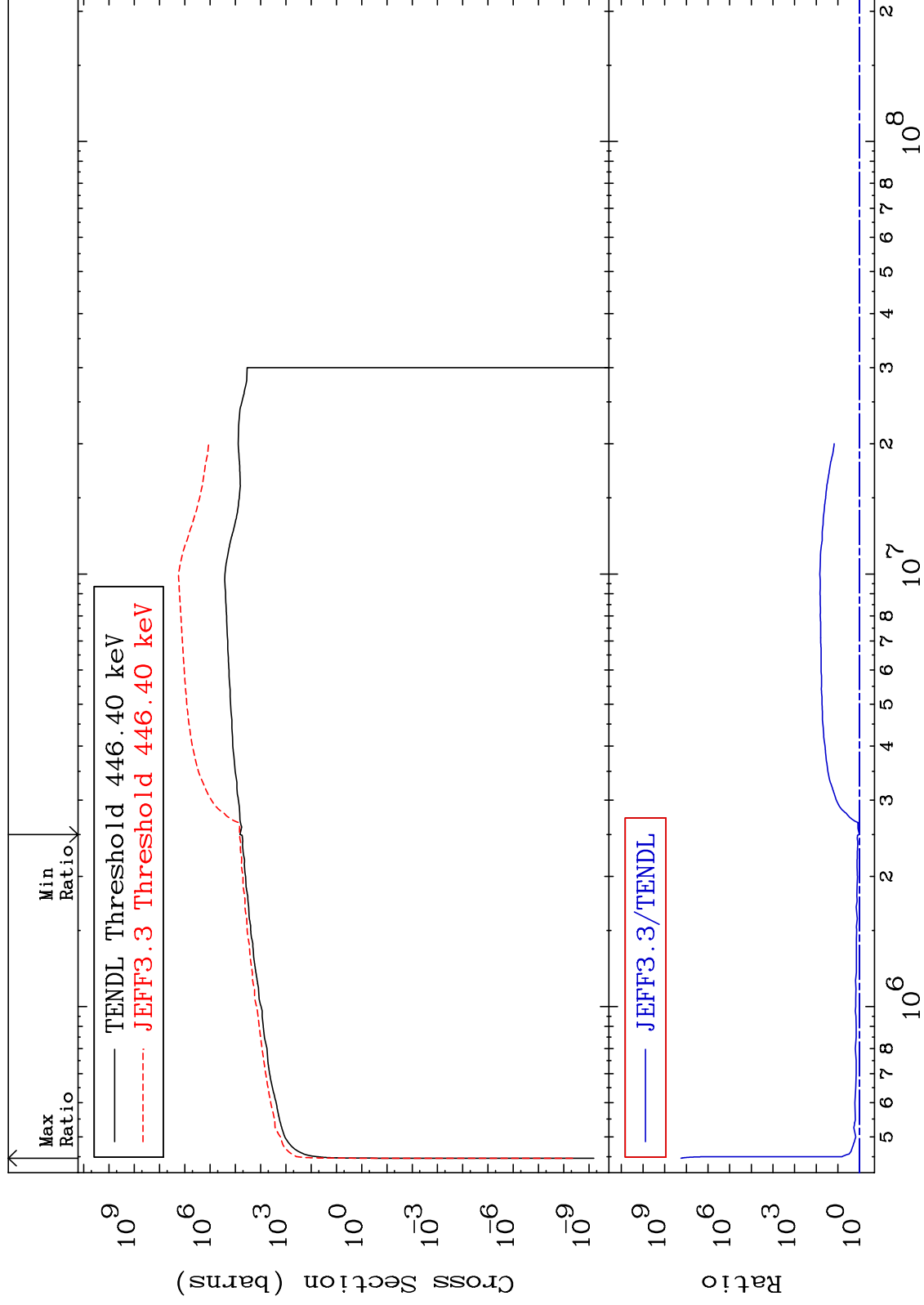
Incident Energy (eV)

54-Xe-128

MAT 5437

Kerma inelastic (mt51-91)
Cross Section

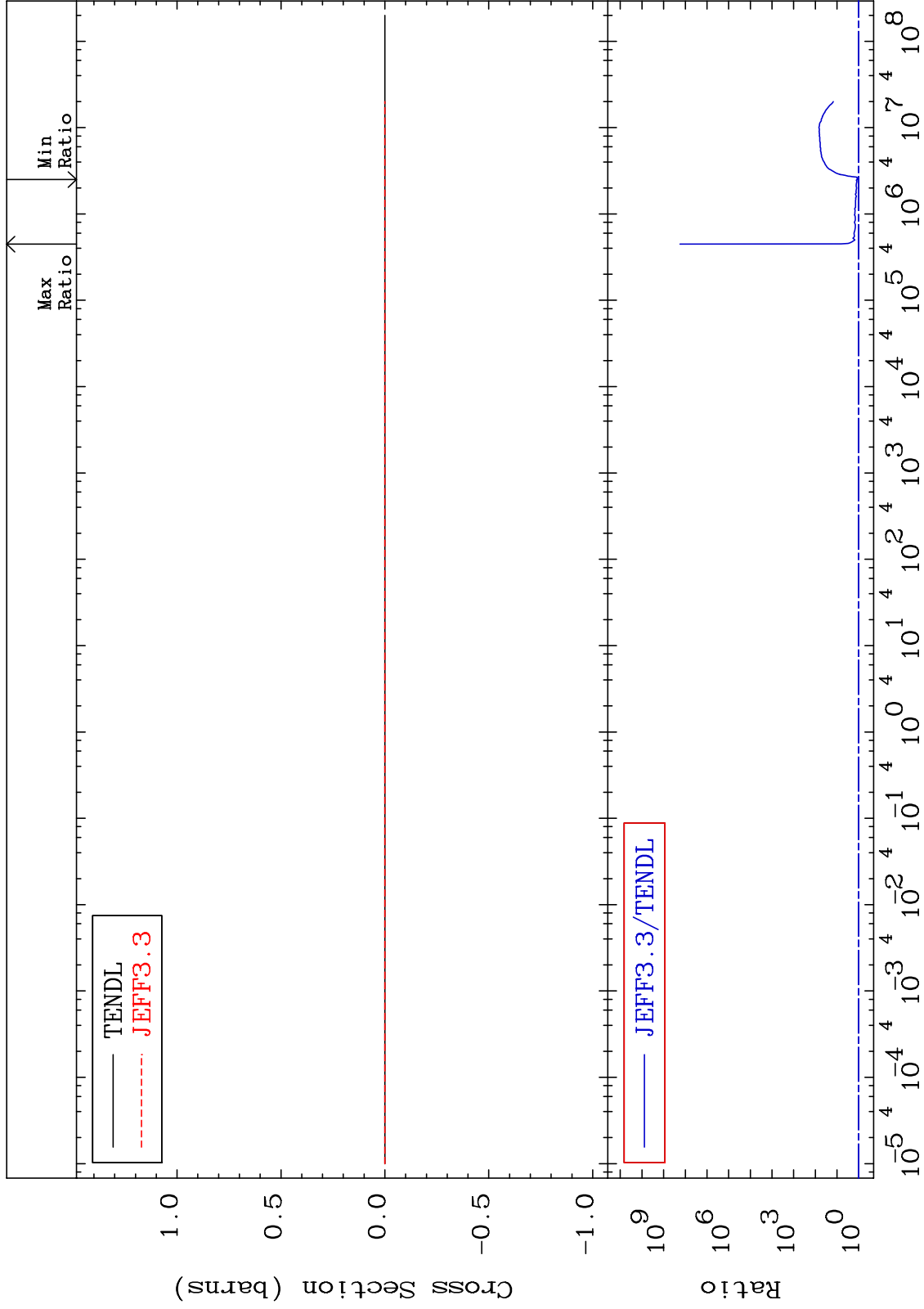
54-Xe-128
2.679 To 9999. %



MAT 5437

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

54-Xe-128
2.679 To 9999. %



55

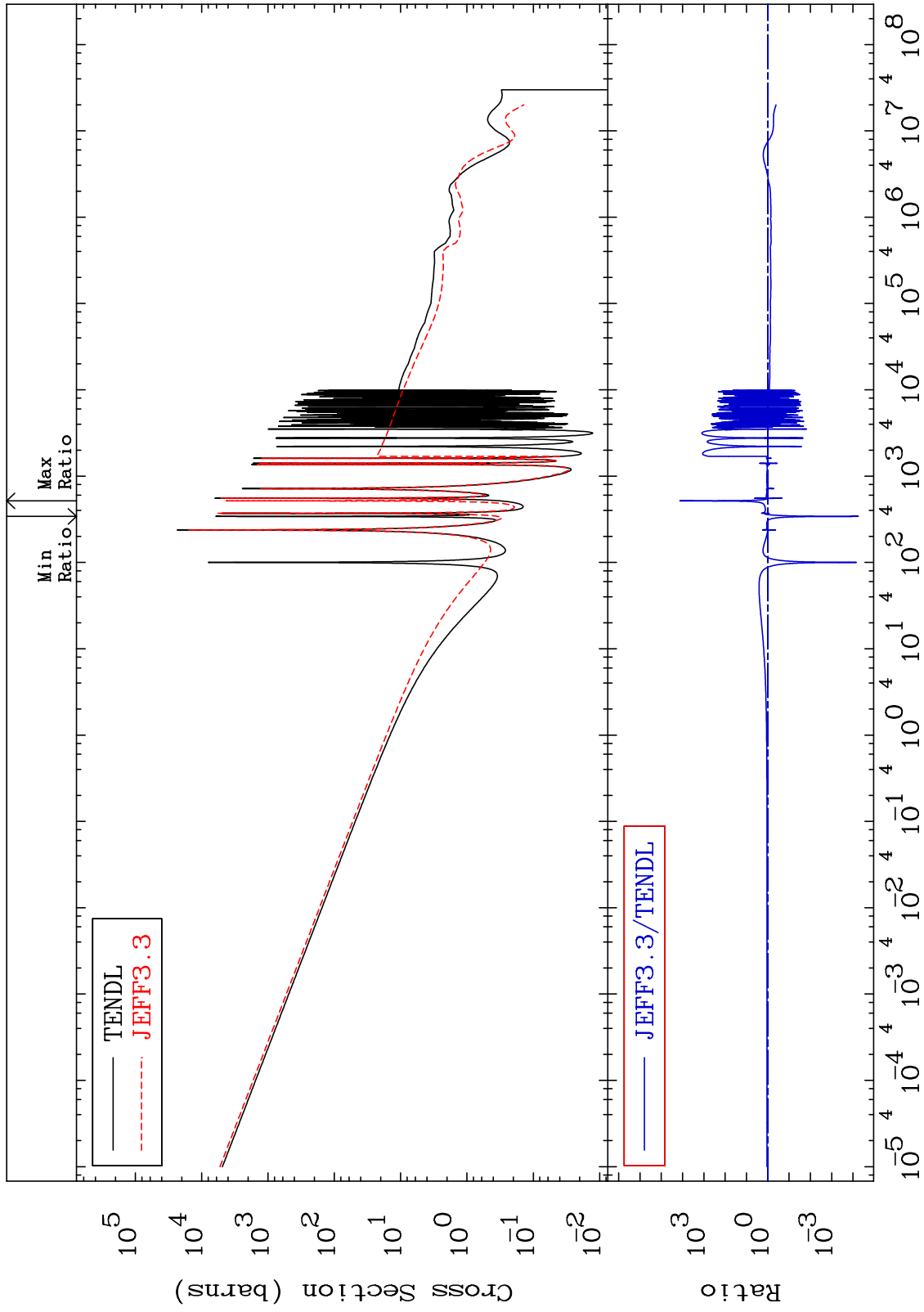
Incident Energy (eV)

54-Xe-128

MAT 5437

Kerma capture (mt102)
Cross Section

54-Xe-128
-99.99 To 9999. %



56

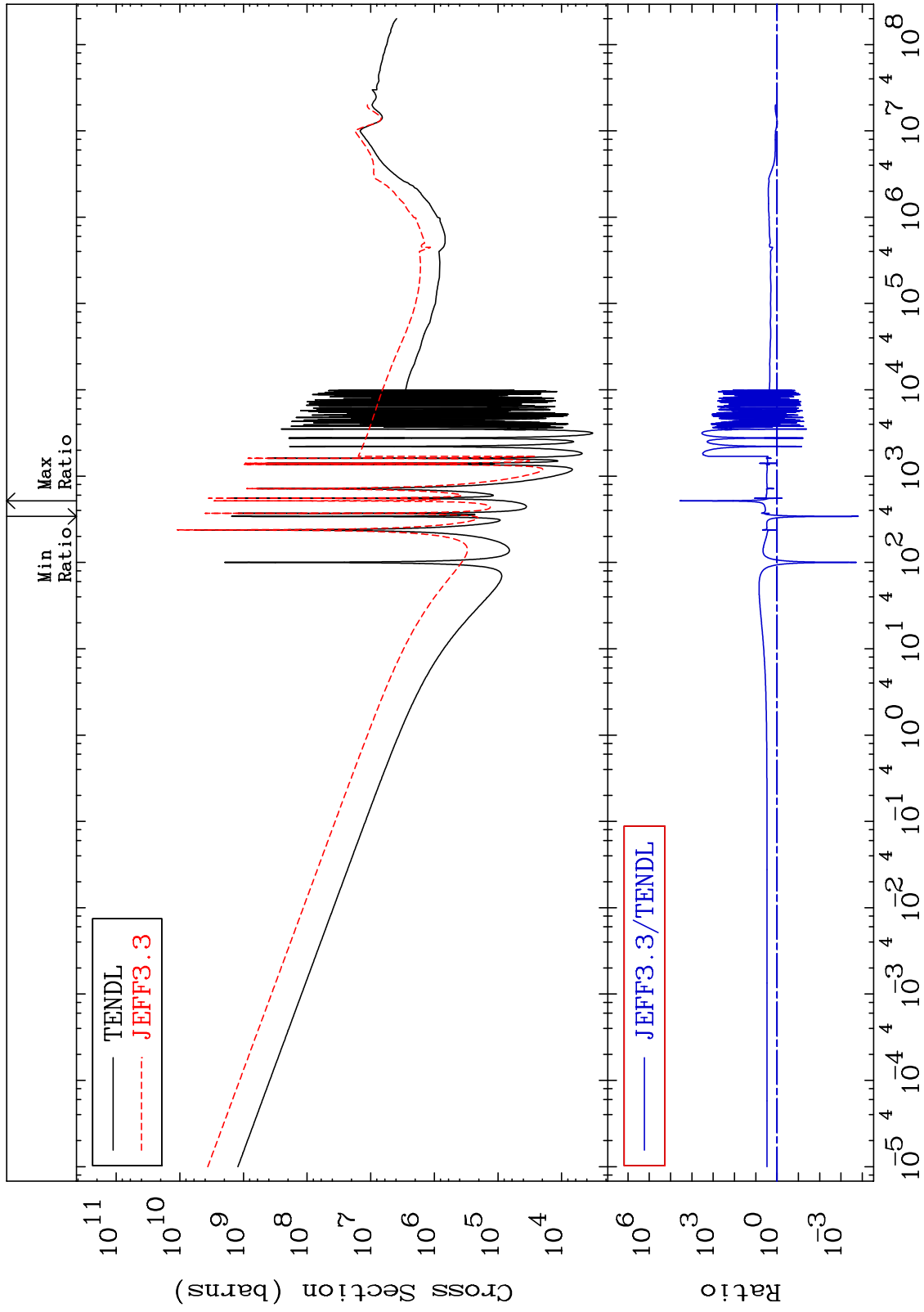
Incident Energy (eV)

54-Xe-128

MAT 5437

Total photon (eV-barns)
Cross Section

54-Xe-128
-99.98 To 9999. %



57

Incident Energy (eV)

54-Xe-128

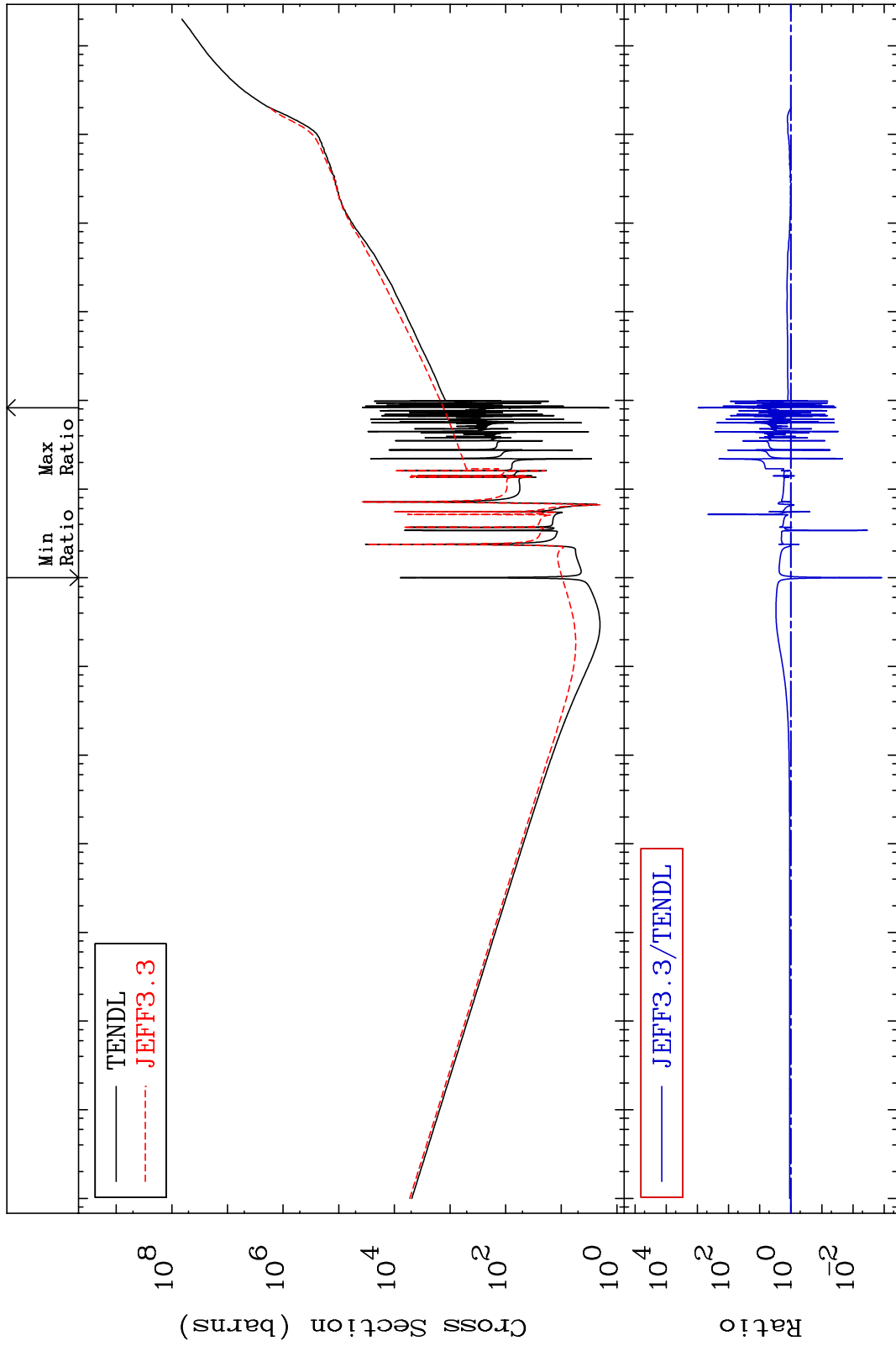
MAT 5437

Total kinematic kerma (high limit)

54-Xe-128

-99.88 To 9999. %

Cross Section



— TENDL
- - - JEFF3.3

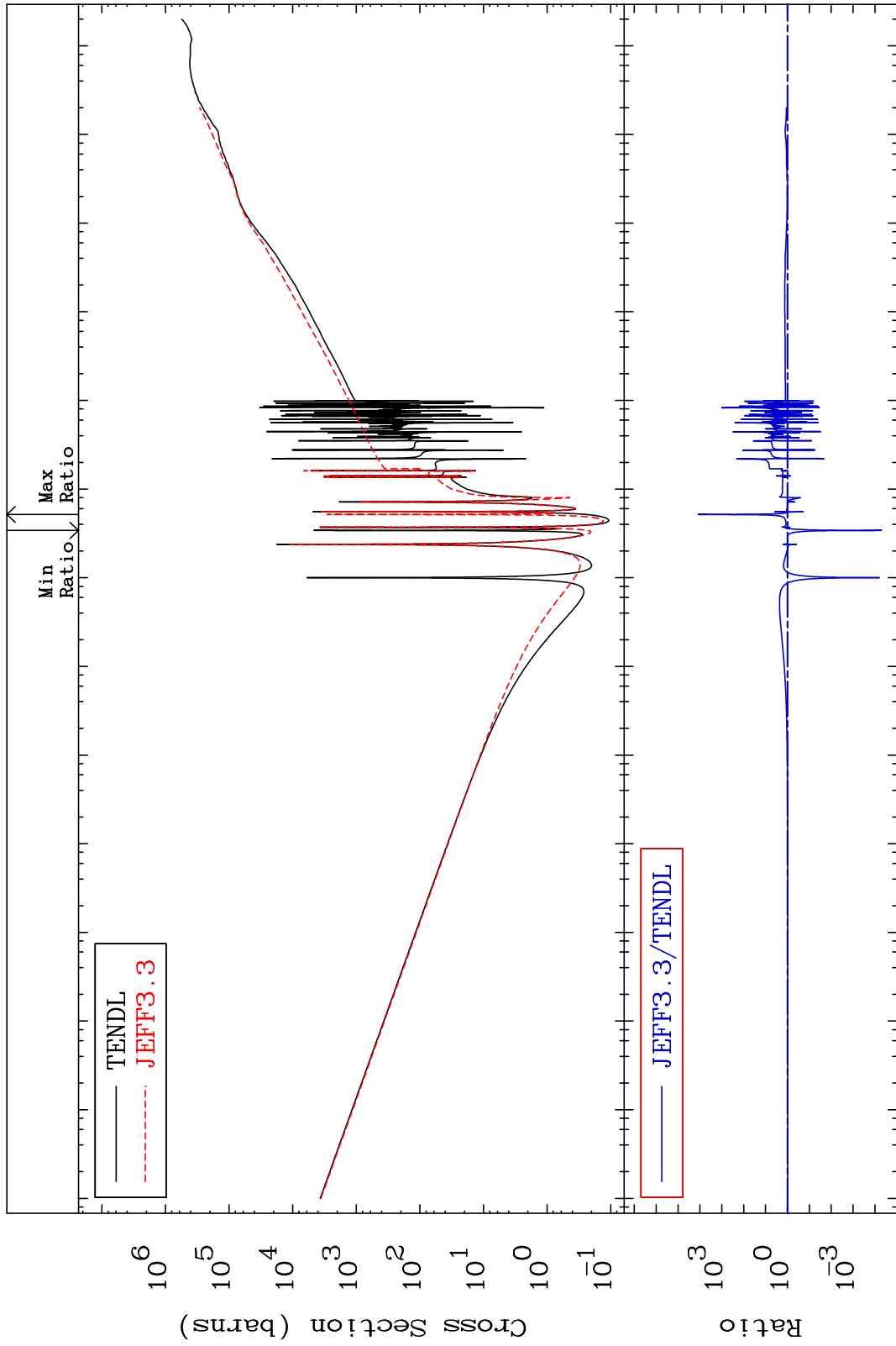
— JEFF3.3/TENDL

Incident Energy (eV) 54-Xe-128

MAT 5437

Dpa total (eV-barns)
Cross Section

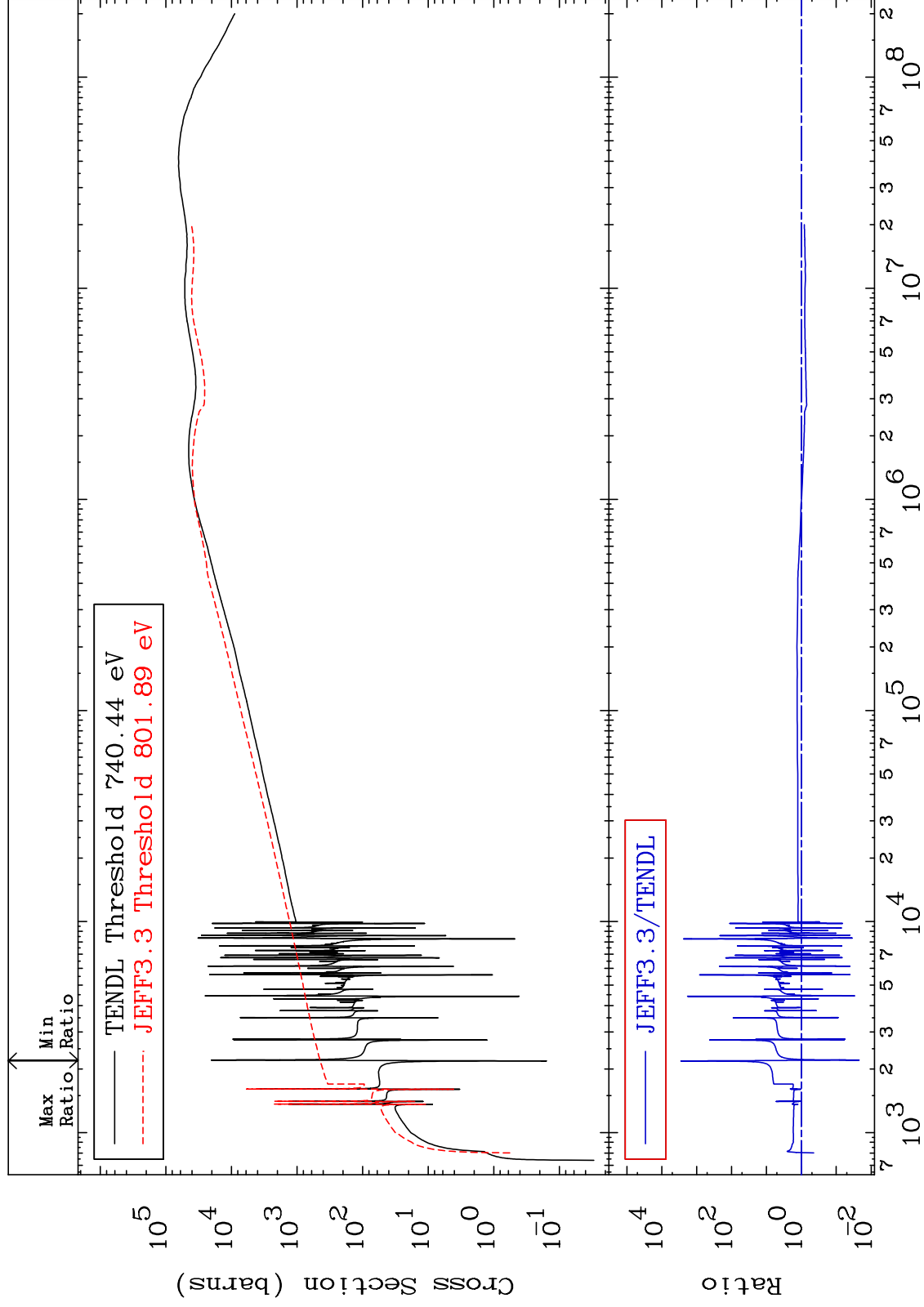
54-Xe-128
-100.0 To 9999. %



MAT 5437

Dpa elastic (mt2)
Cross Section

54-Xe-128
-97.81 To 9999. %



60

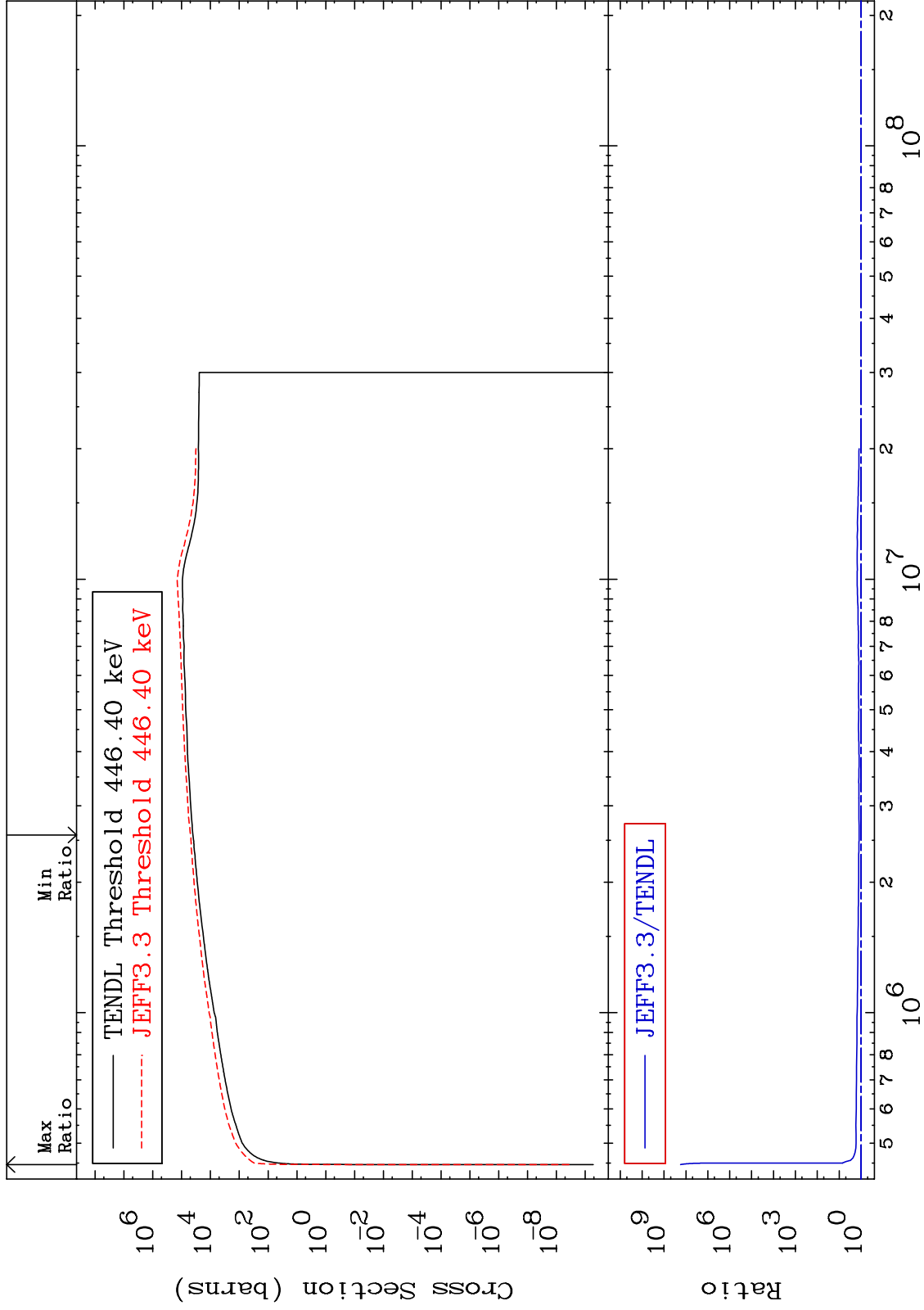
Incident Energy (eV)

54-Xe-128

MAT 5437

Dpa inelastic (mt51-91)
Cross Section

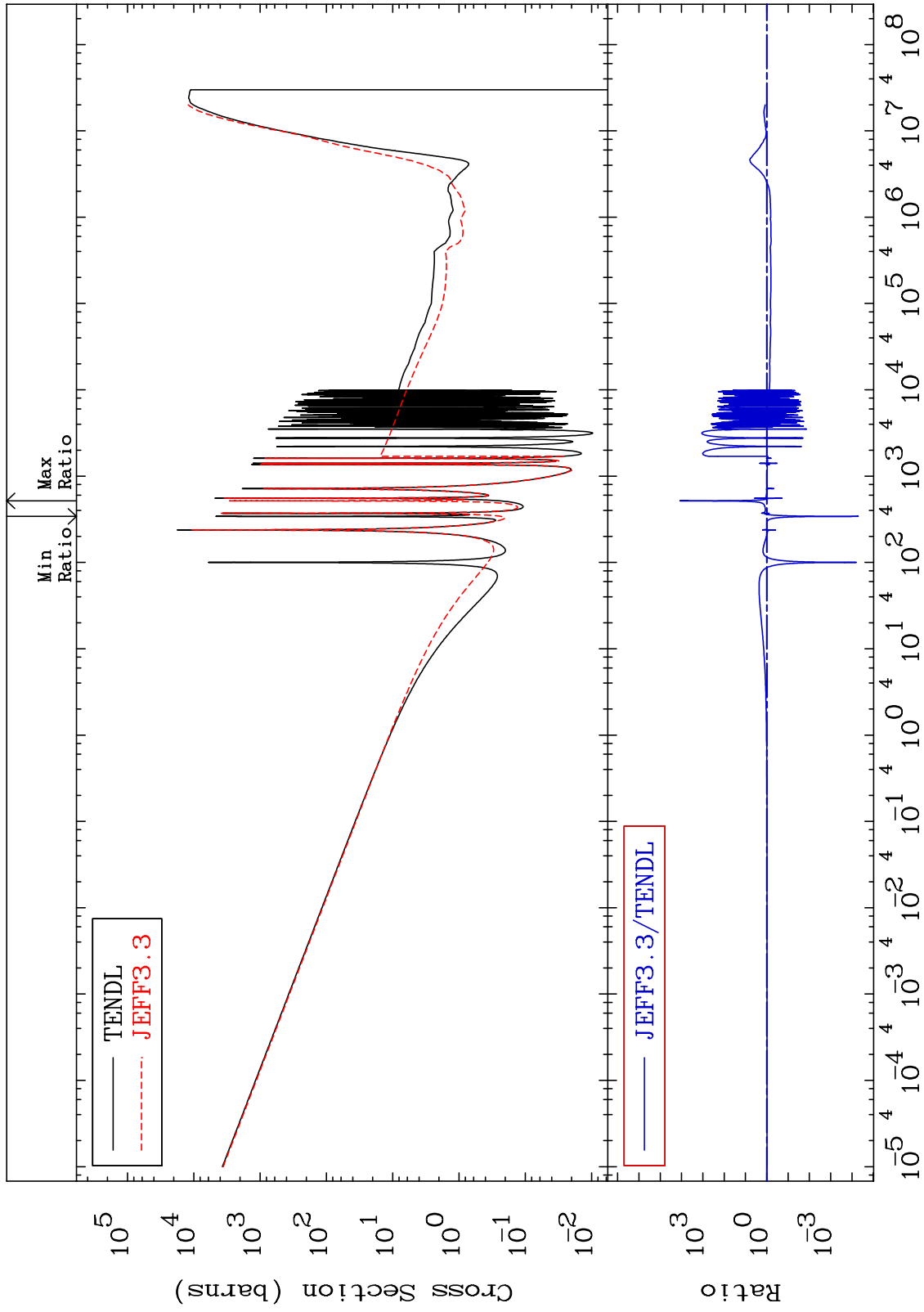
54-Xe-128
21.72 To 9999. %



MAT 5437

Dpa disappearance (mt102 -120)
Cross Section

54-Xe-128
-100.0 To 9999. %



62

Incident Energy (eV)

54-Xe-128