

Program Complot
(Version 2018-1)

by

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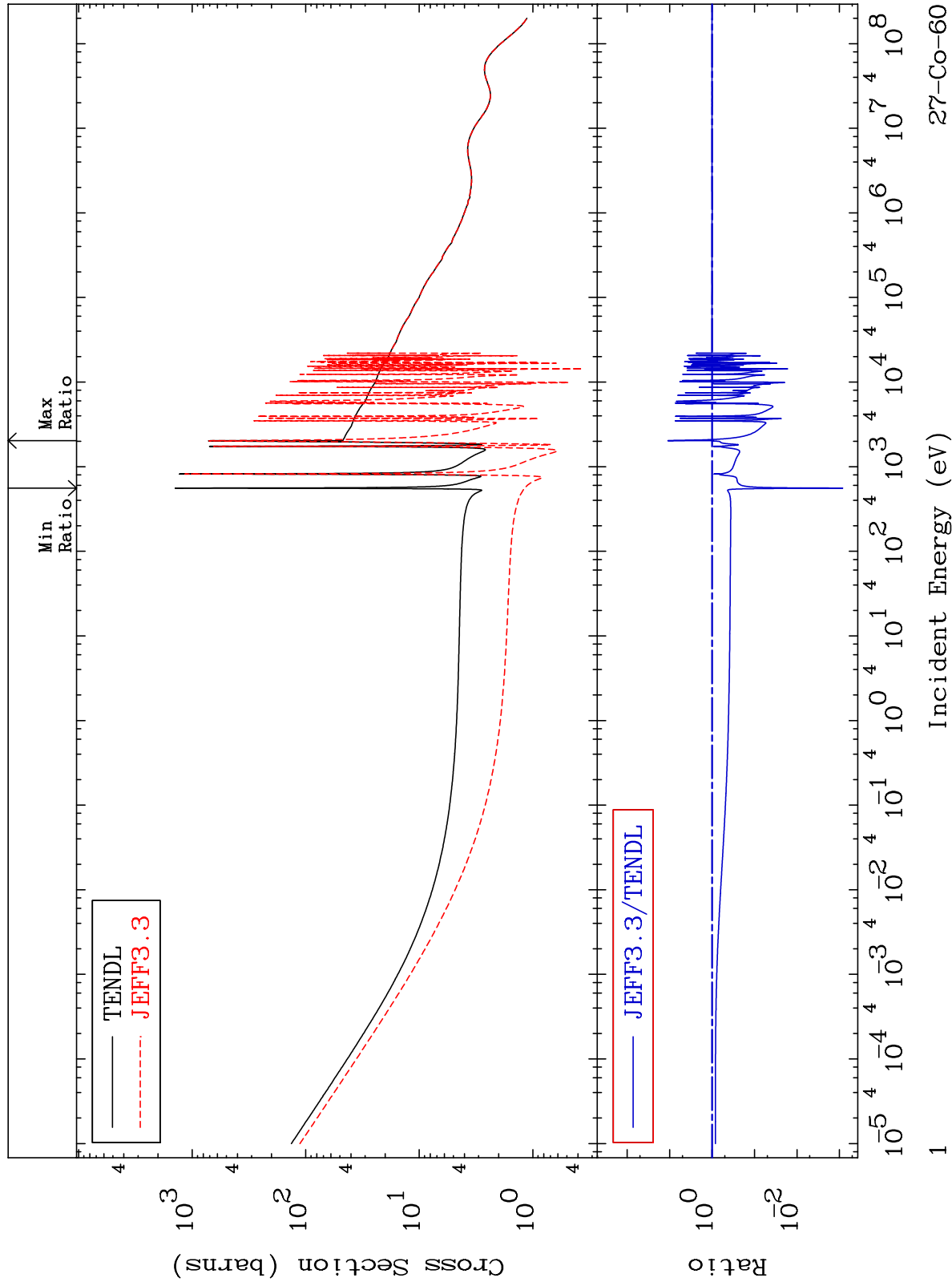
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2728

Total
Cross Section

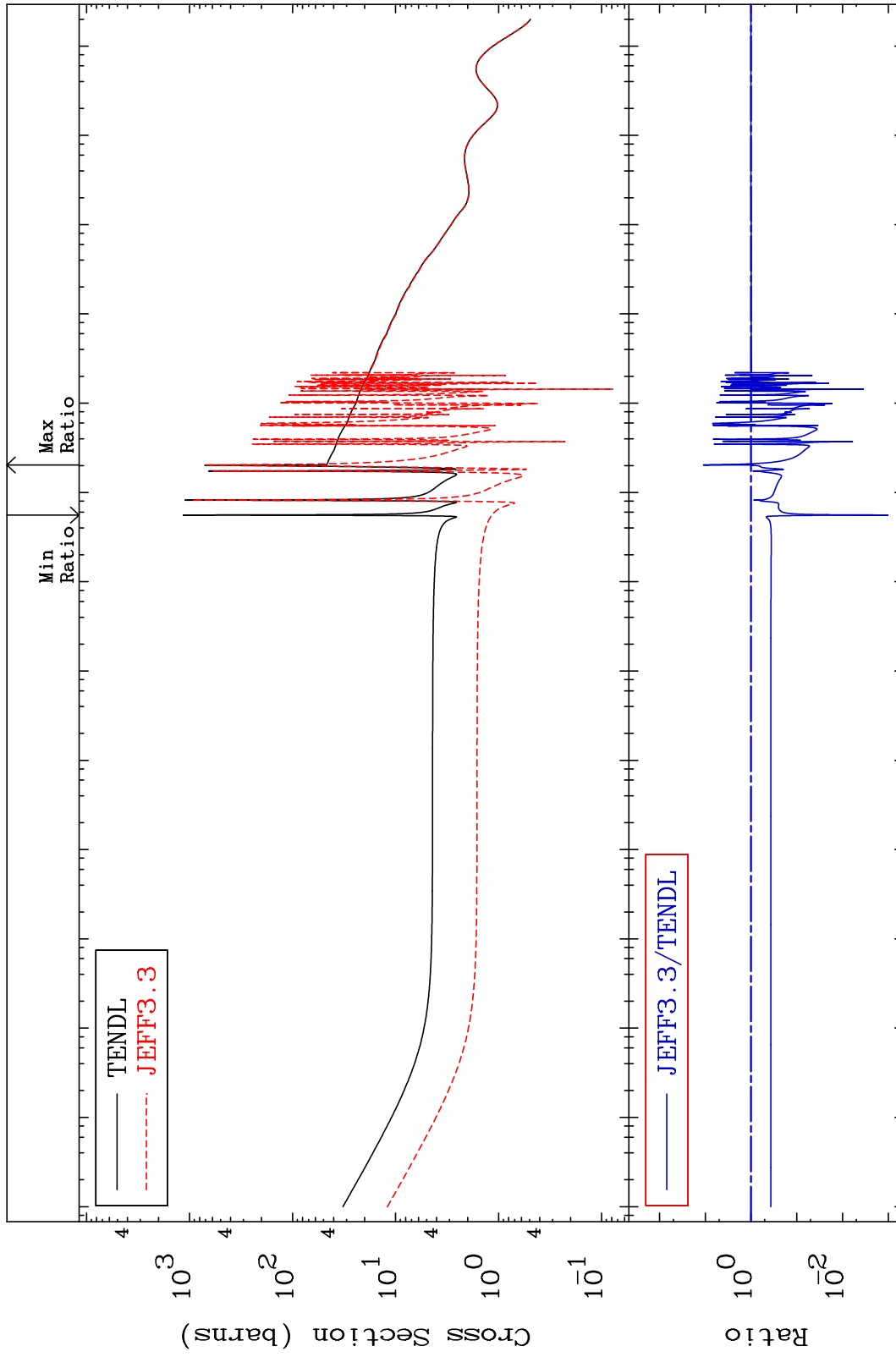
27-Co-60
-99.92 To 991.8 %



MAT 2728

Elastic
Cross Section

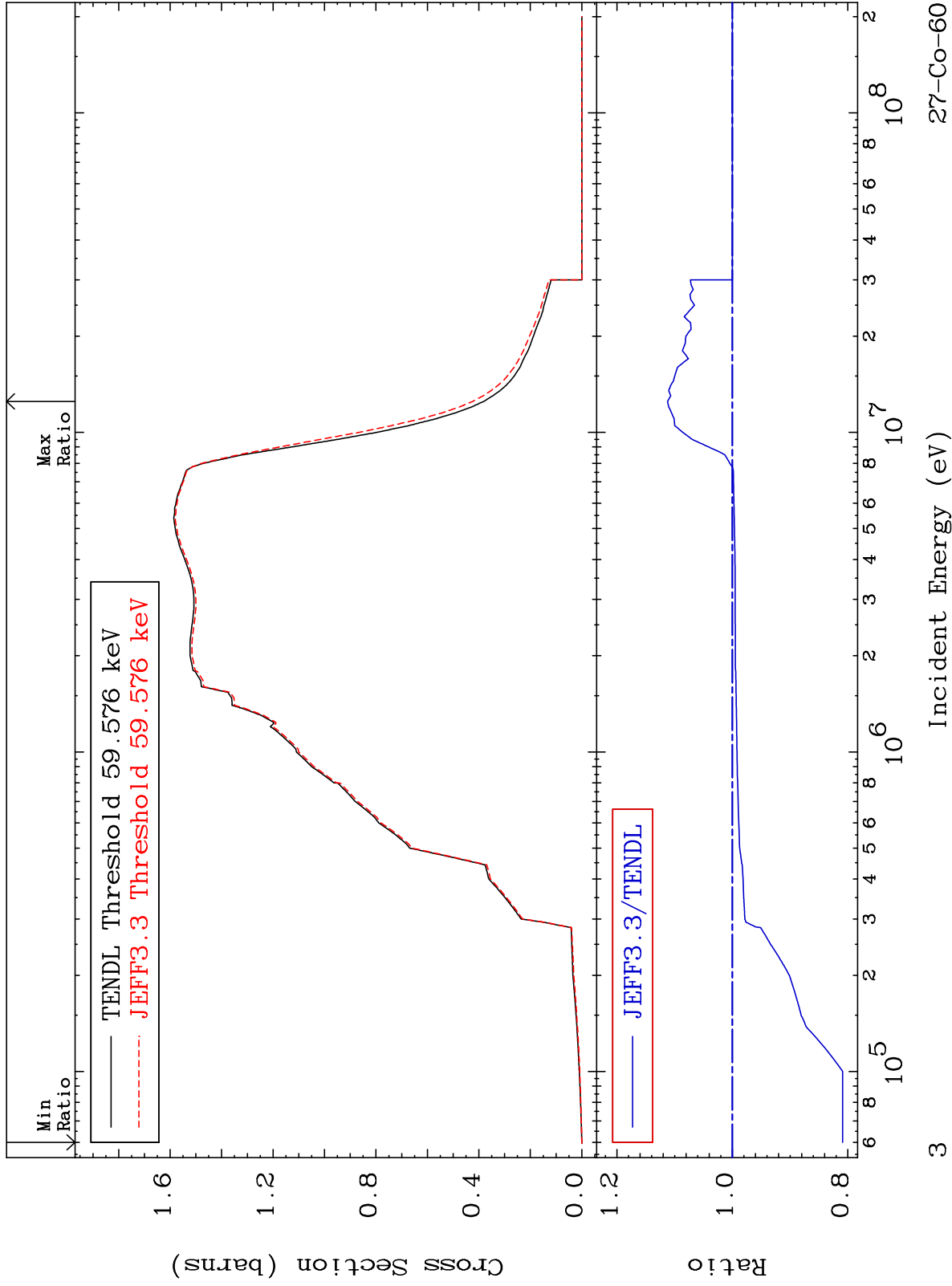
27-Co-60
-99.90 To 985.8 %



MAT 2728

Inelastic
Cross Section

27-Co-60
-19.11 To 11.23 %



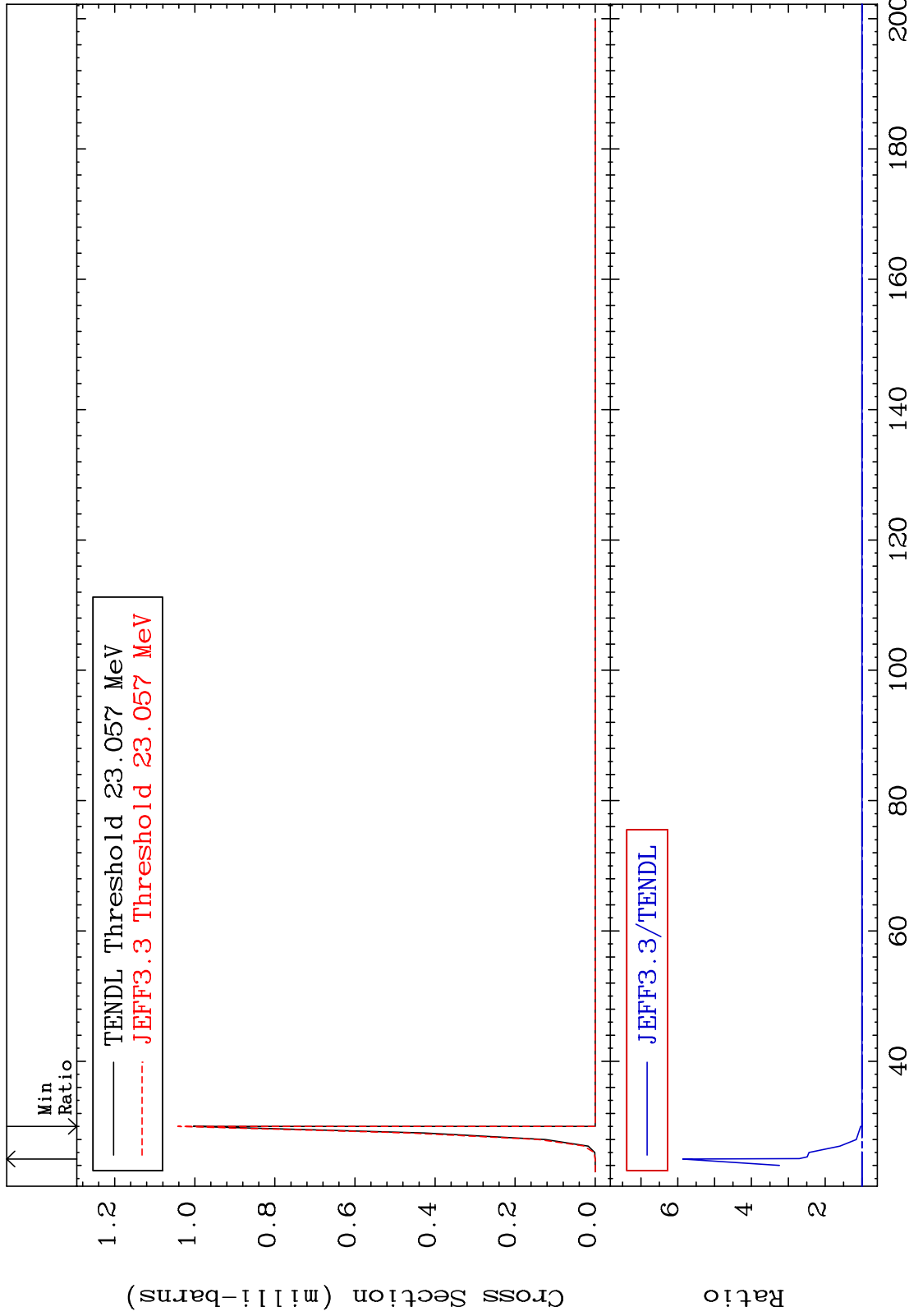
MAT 2728

(n,2n) d

²⁷Co-60

Cross Section

0.000 To 486.1 %



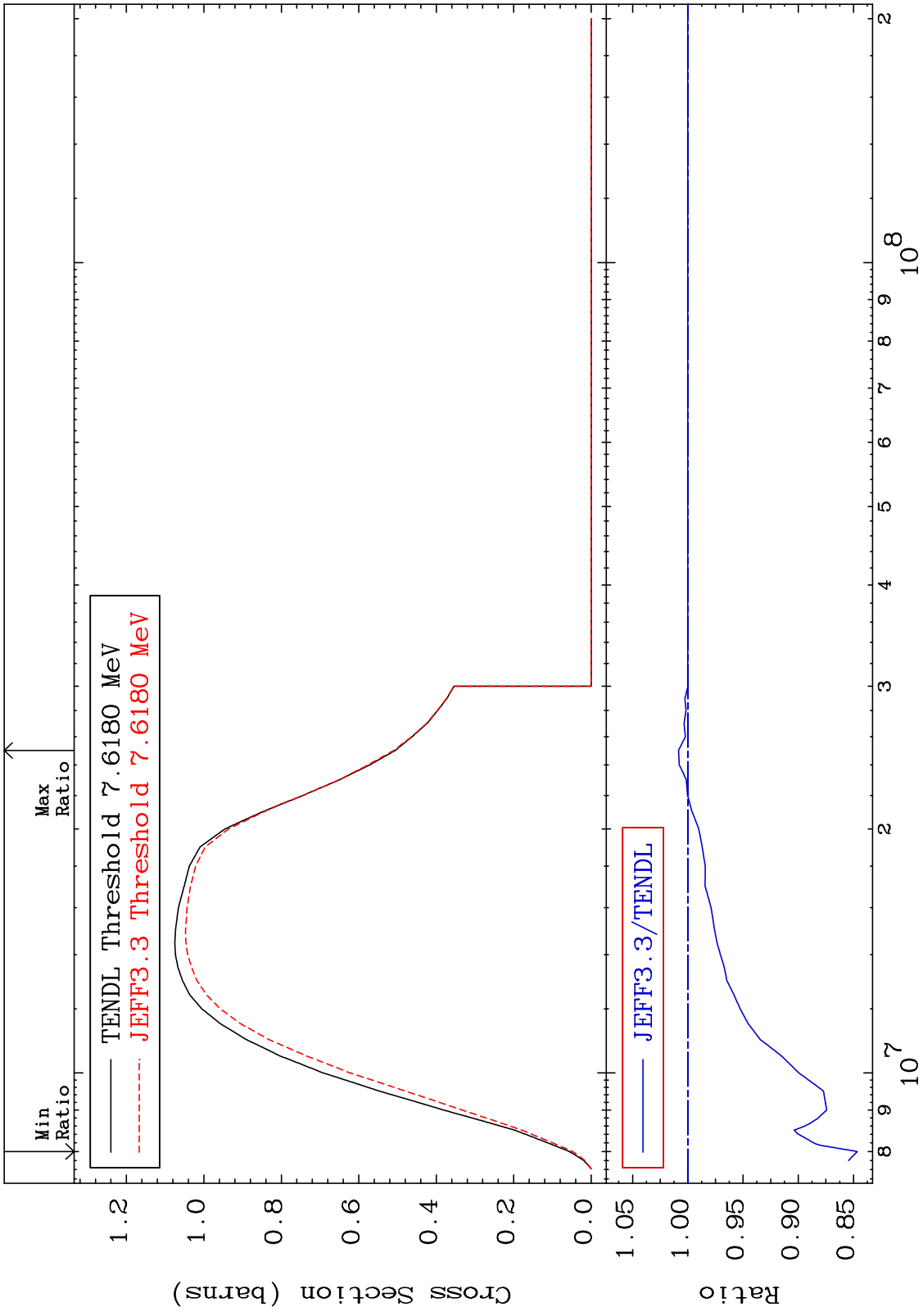
MAT 2728

(n,2n)

²⁷Co-60

Cross Section

-15.34 To 0.832 %



5

Incident Energy (eV)

²⁷Co-60

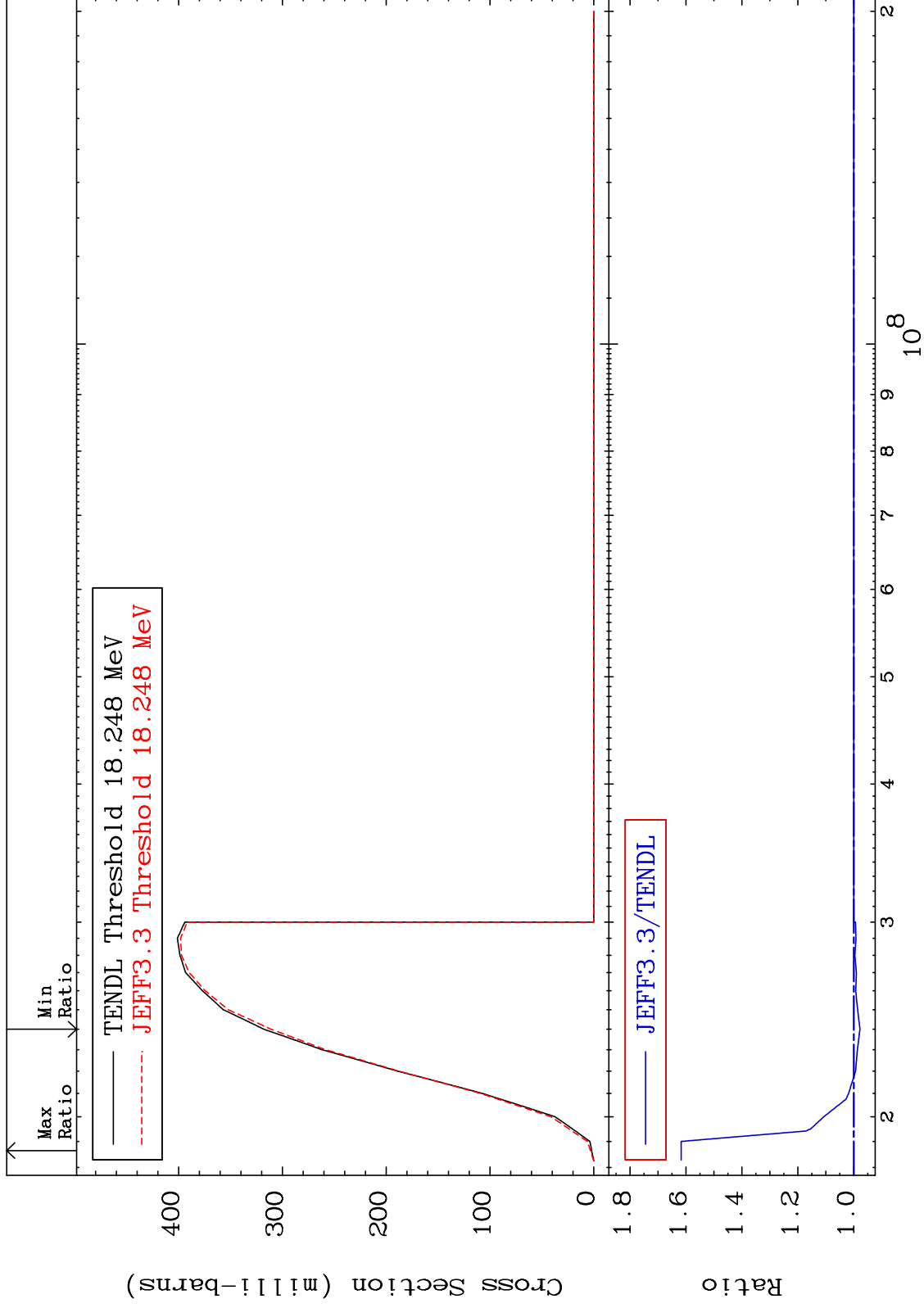
MAT 2728

(n, 3n)

²⁷Co-60

Cross Section

-2.171 To 61.70 %



6

Incident Energy (eV)

²⁷Co-60

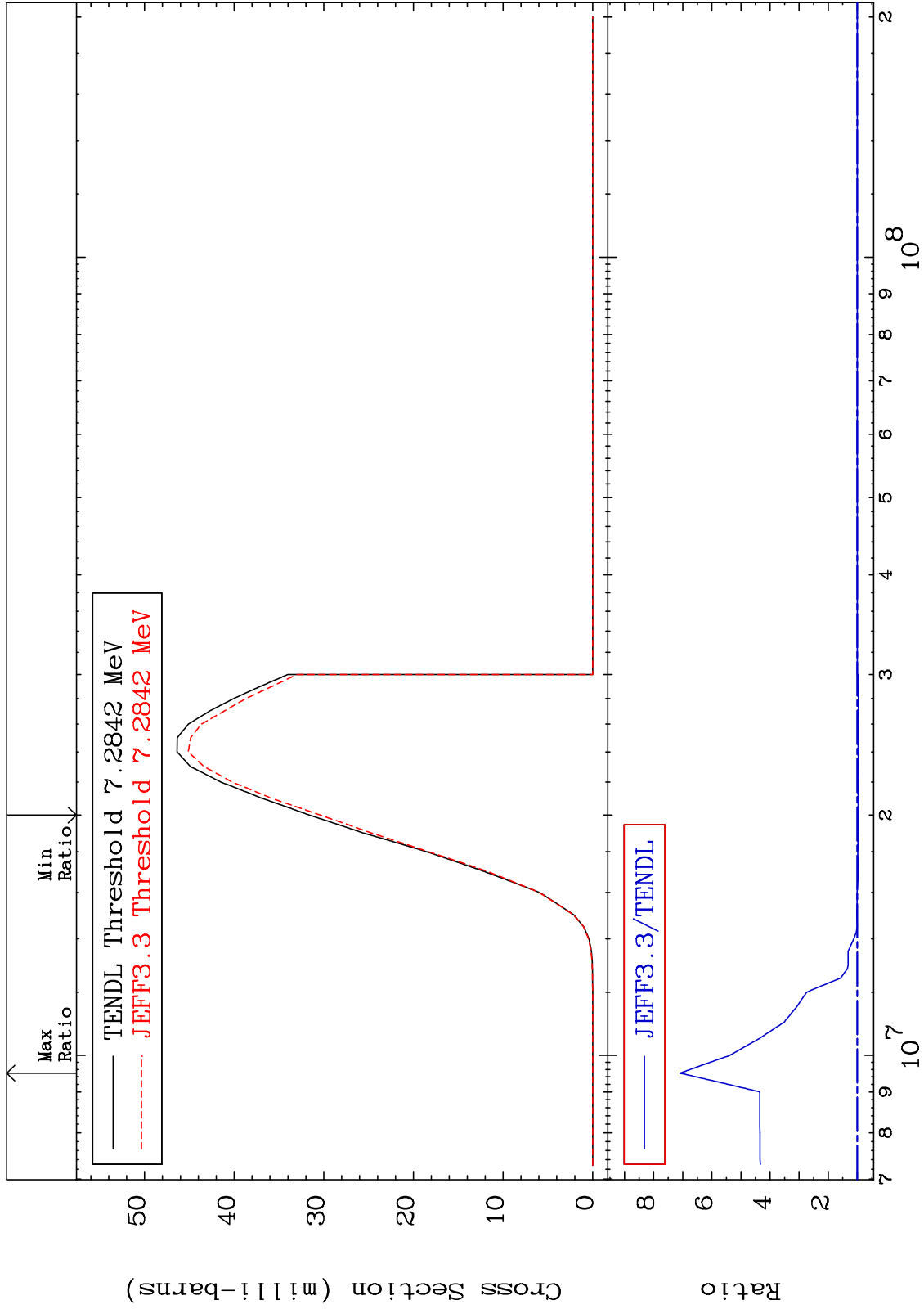
MAT 2728

(n, n') α

27-Co-60

Cross Section

-3.841 To 609.4 %



Incident Energy (eV)

27-Co-60

7

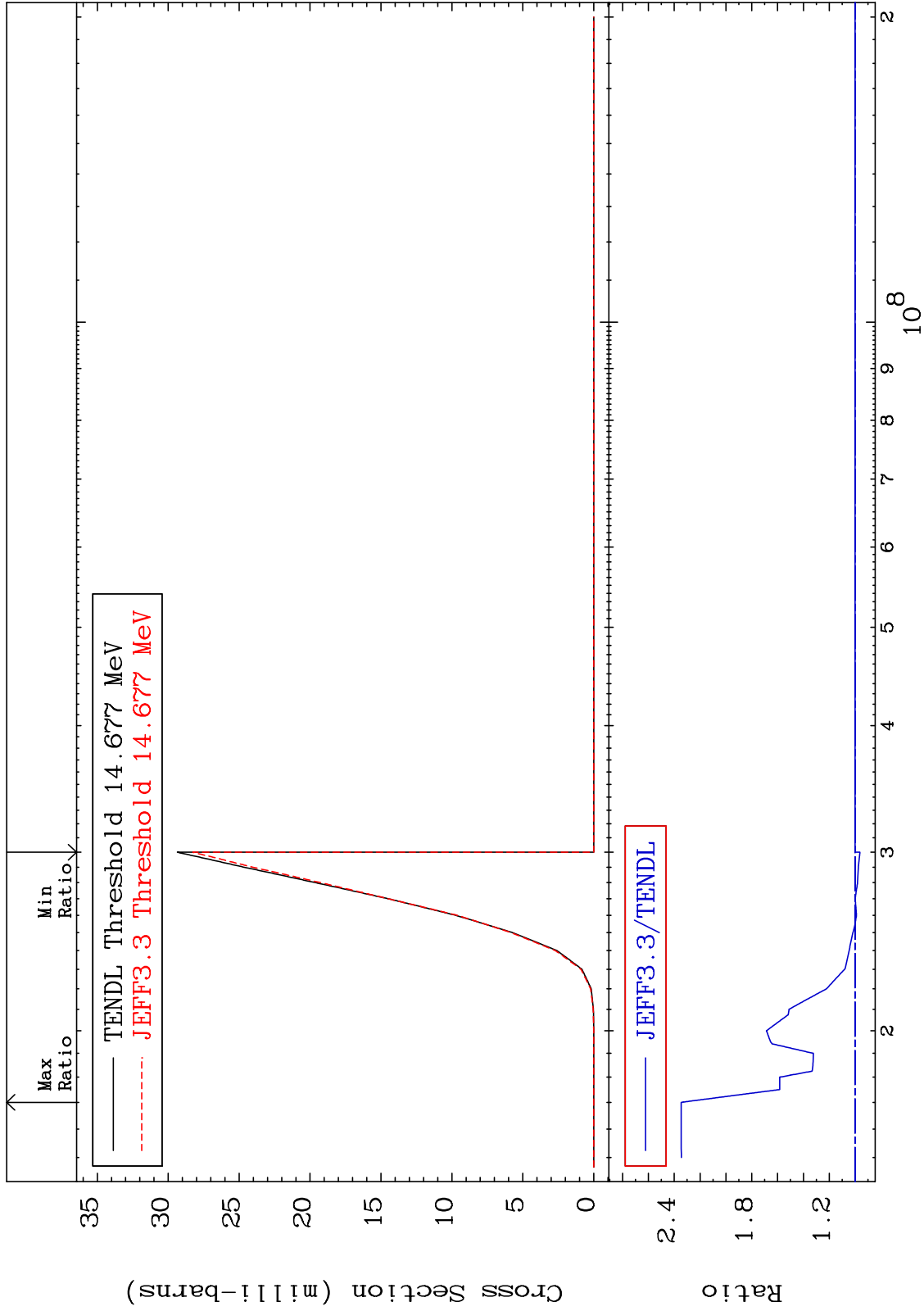
MAT 2728

(n,2n) α

27-Co-60

Cross Section

-3.726 To 134.6 %



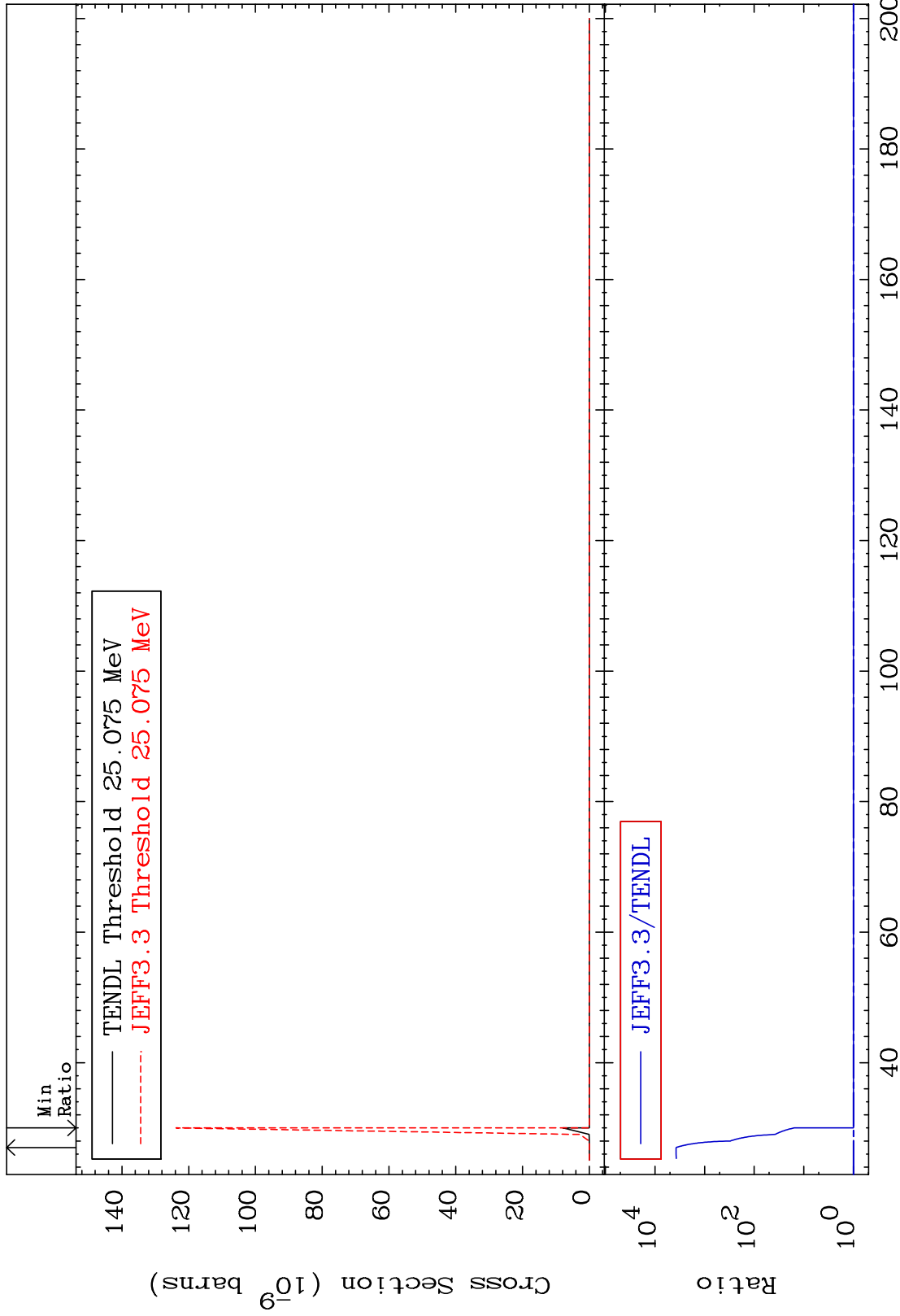
MAT 2728

(n,3n) α

²⁷Co-60

Cross Section

0.000 To 9999. %



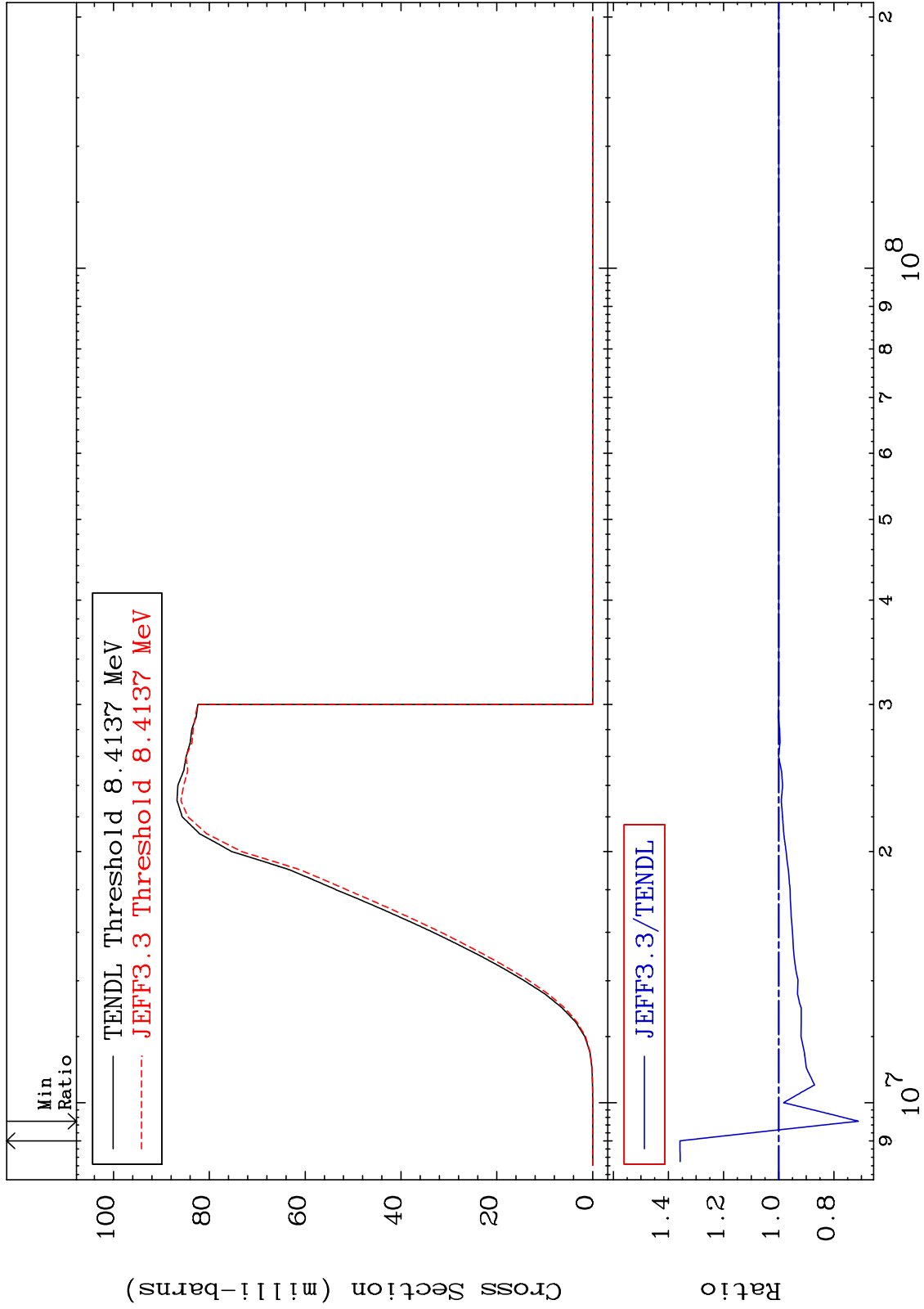
MAT 2728

(n,n') p

27-Co-60

Cross Section

-28.91 To 35.82 %



27-Co-60

Incident Energy (eV)

10

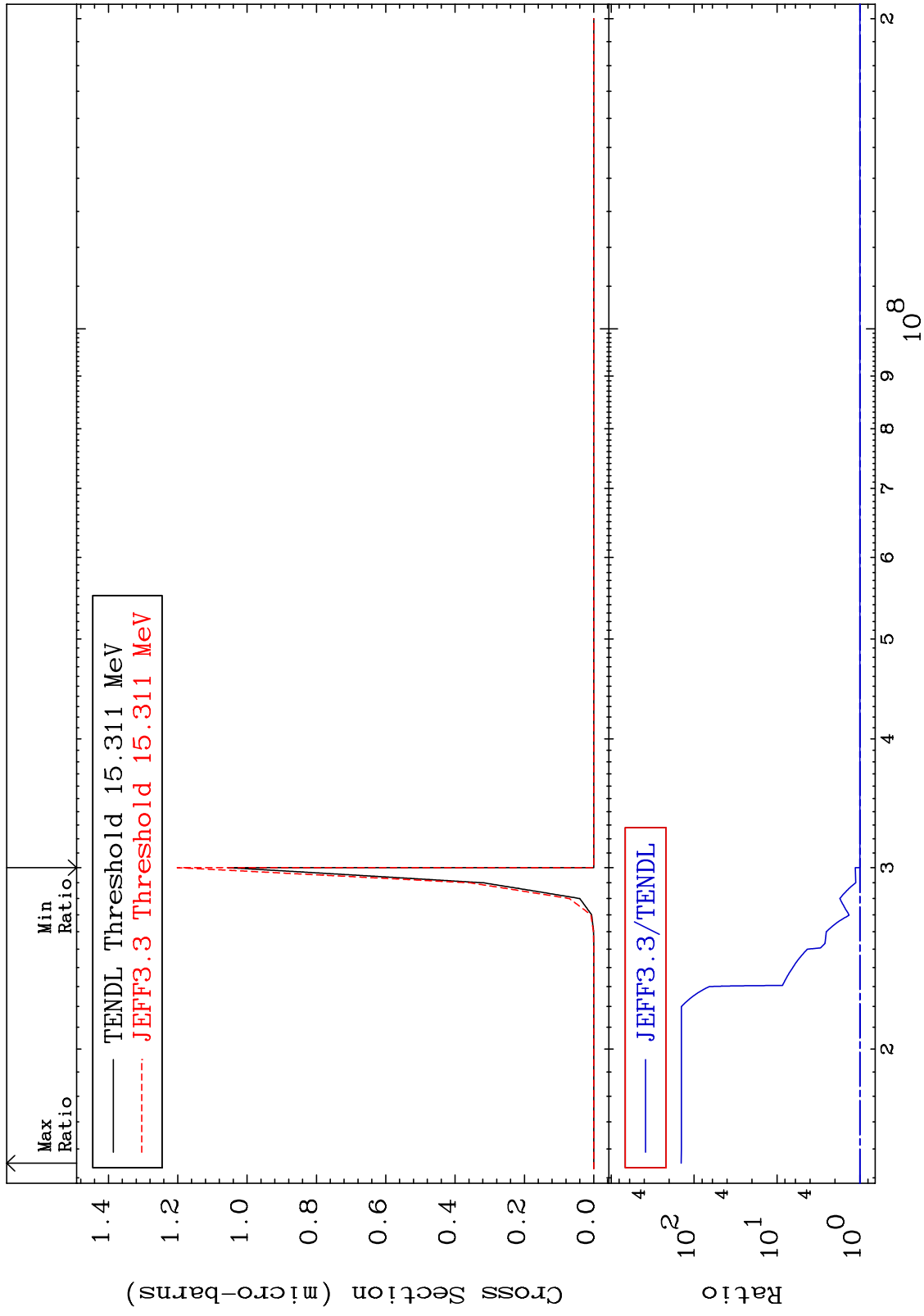
MAT 2728

(n,n') 2α

27-Co-60

Cross Section

0.000 To 9999. %



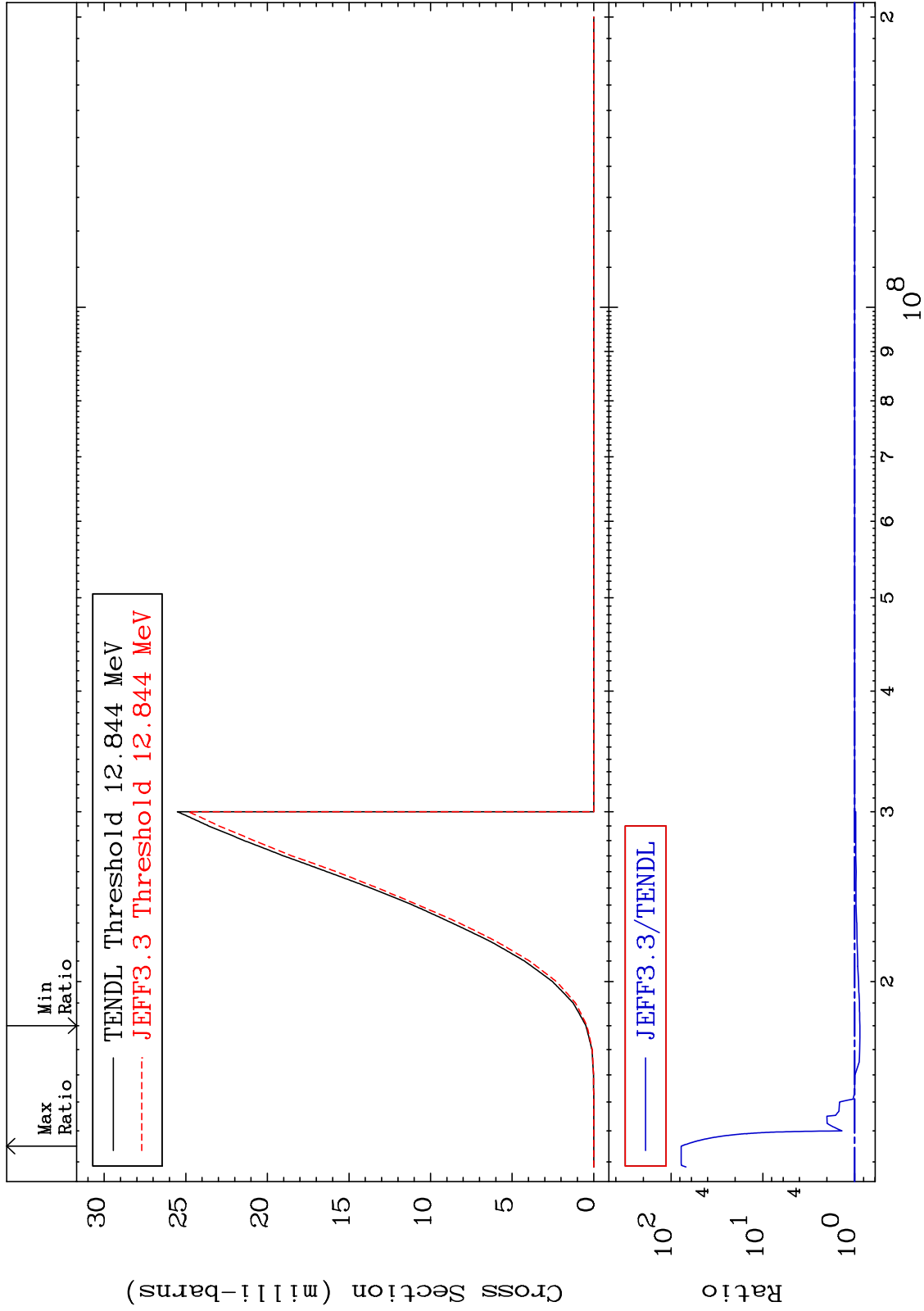
MAT 2728

(n, n') d

²⁷Co-60

Cross Section

-12.46 To 7642. %



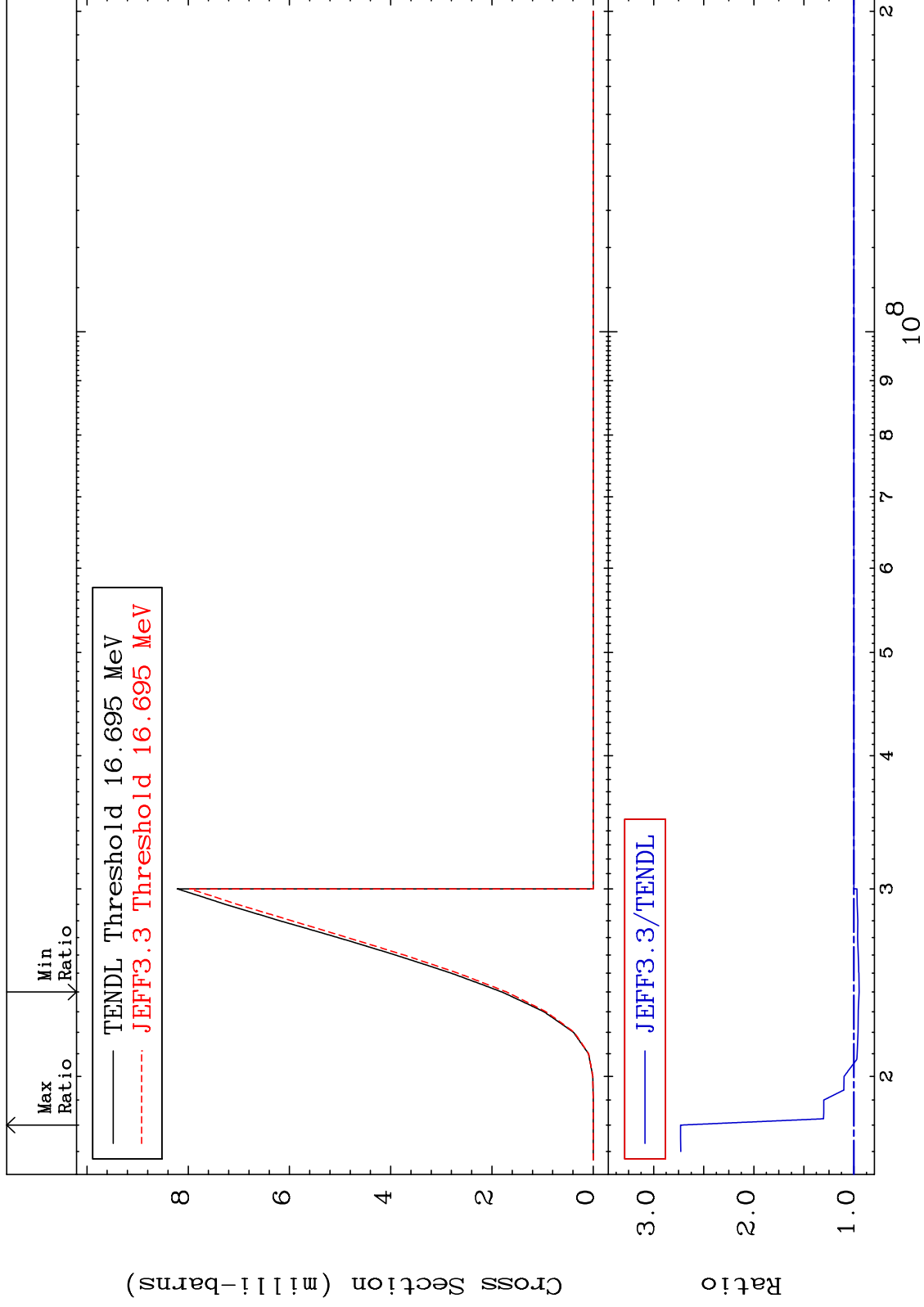
MAT 2728

(n, n') t

27-Co-60

Cross Section

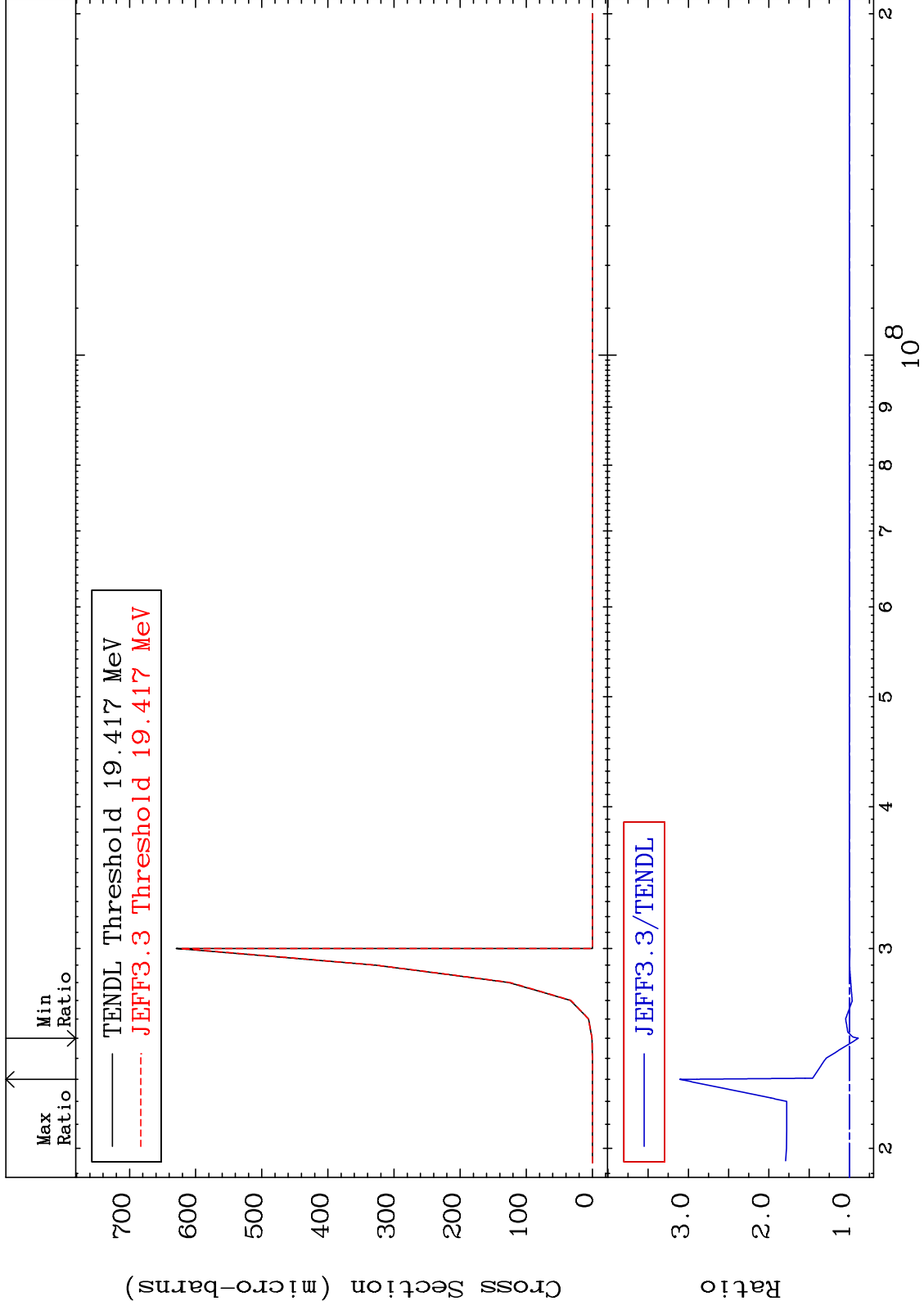
-5.179 To 173.1 %



MAT 2728

(n, n') He-3
Cross Section

27-Co-60
-11.21 To 210.6 %

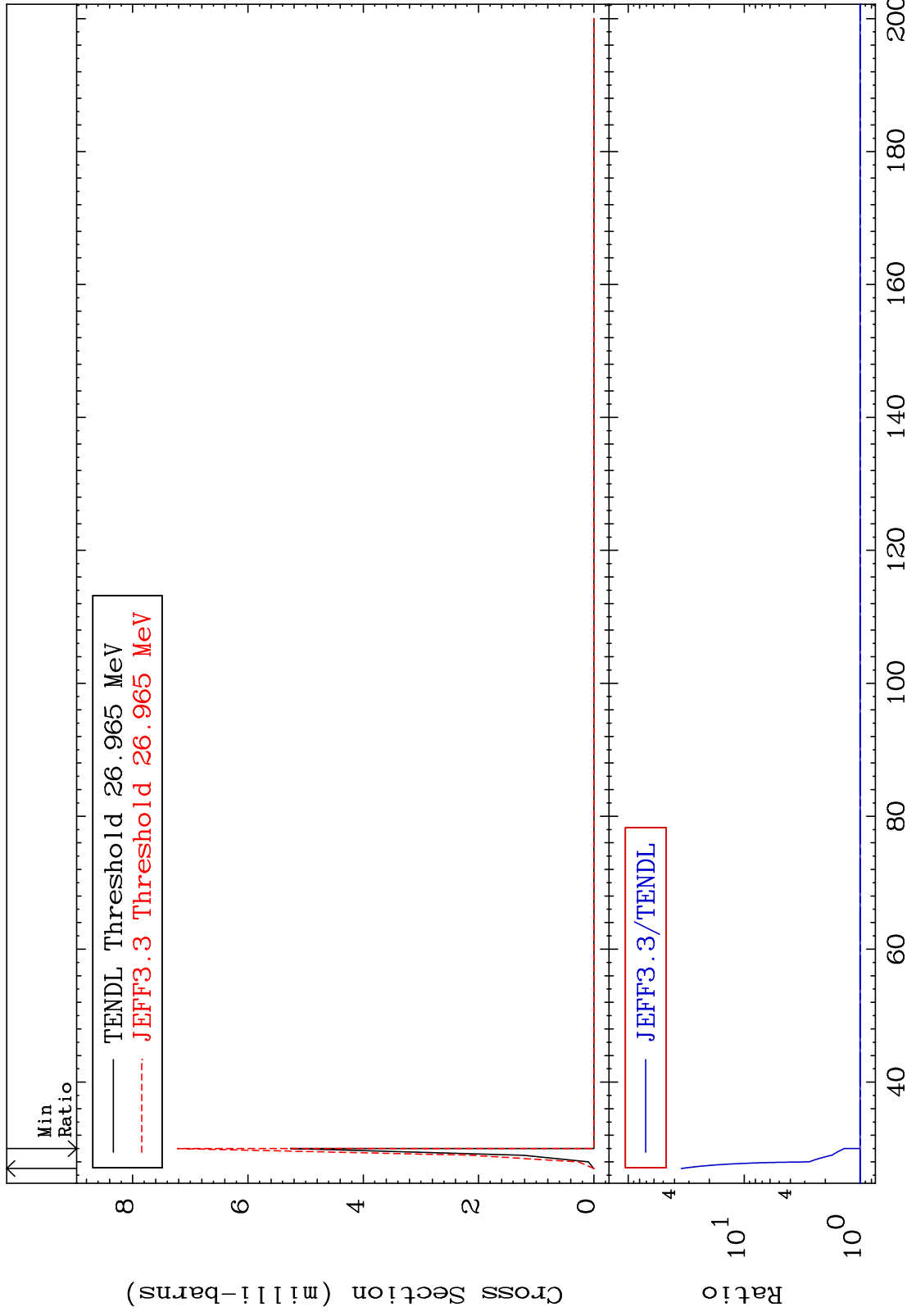


MAT 2728

(n, 4n)

²⁷Co-60

Cross Section 0.000 To 3385. %



15

Incident Energy (MeV)

²⁷Co-60

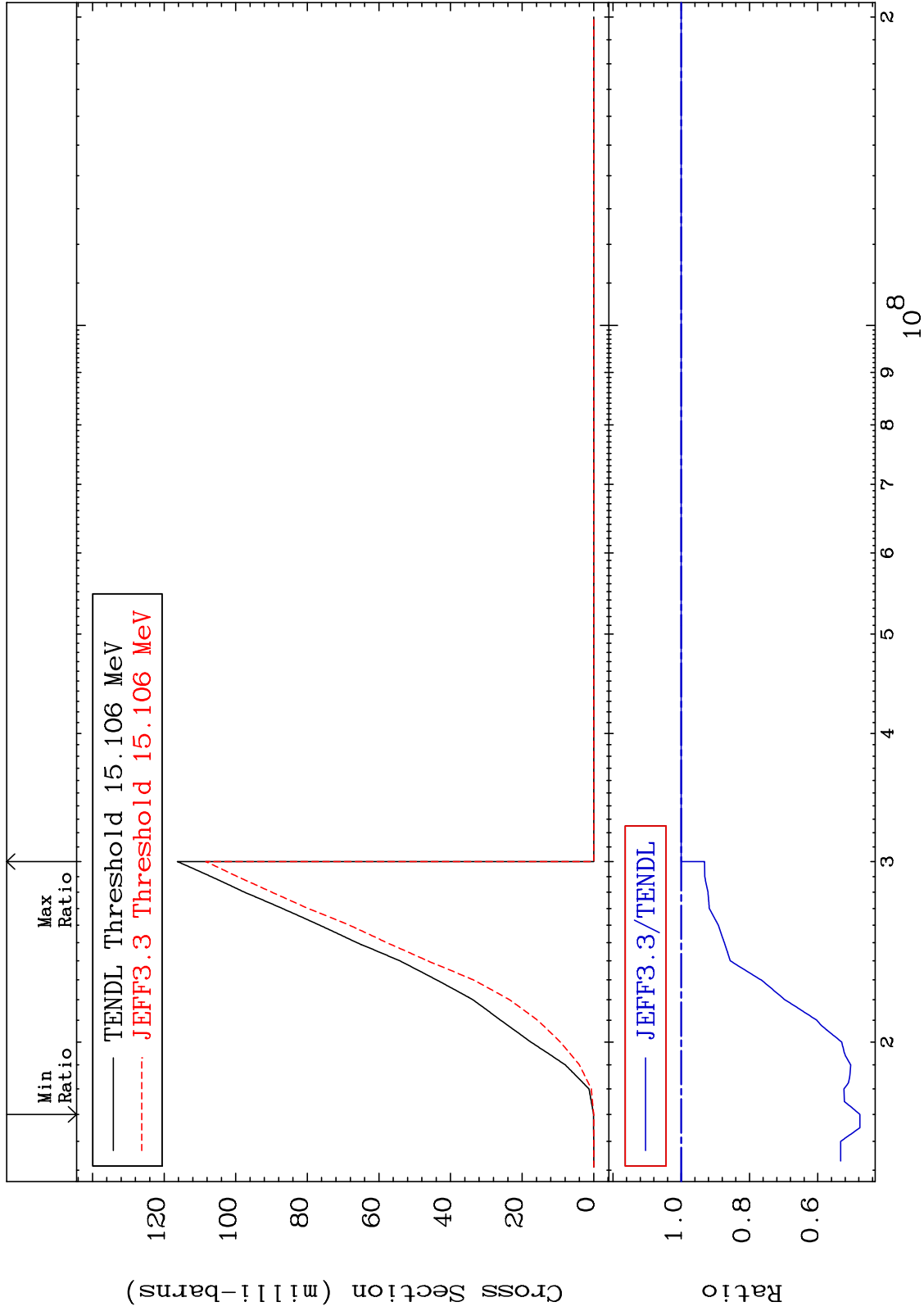
MAT 2728

(n,2n) p

²⁷Co-60

Cross Section

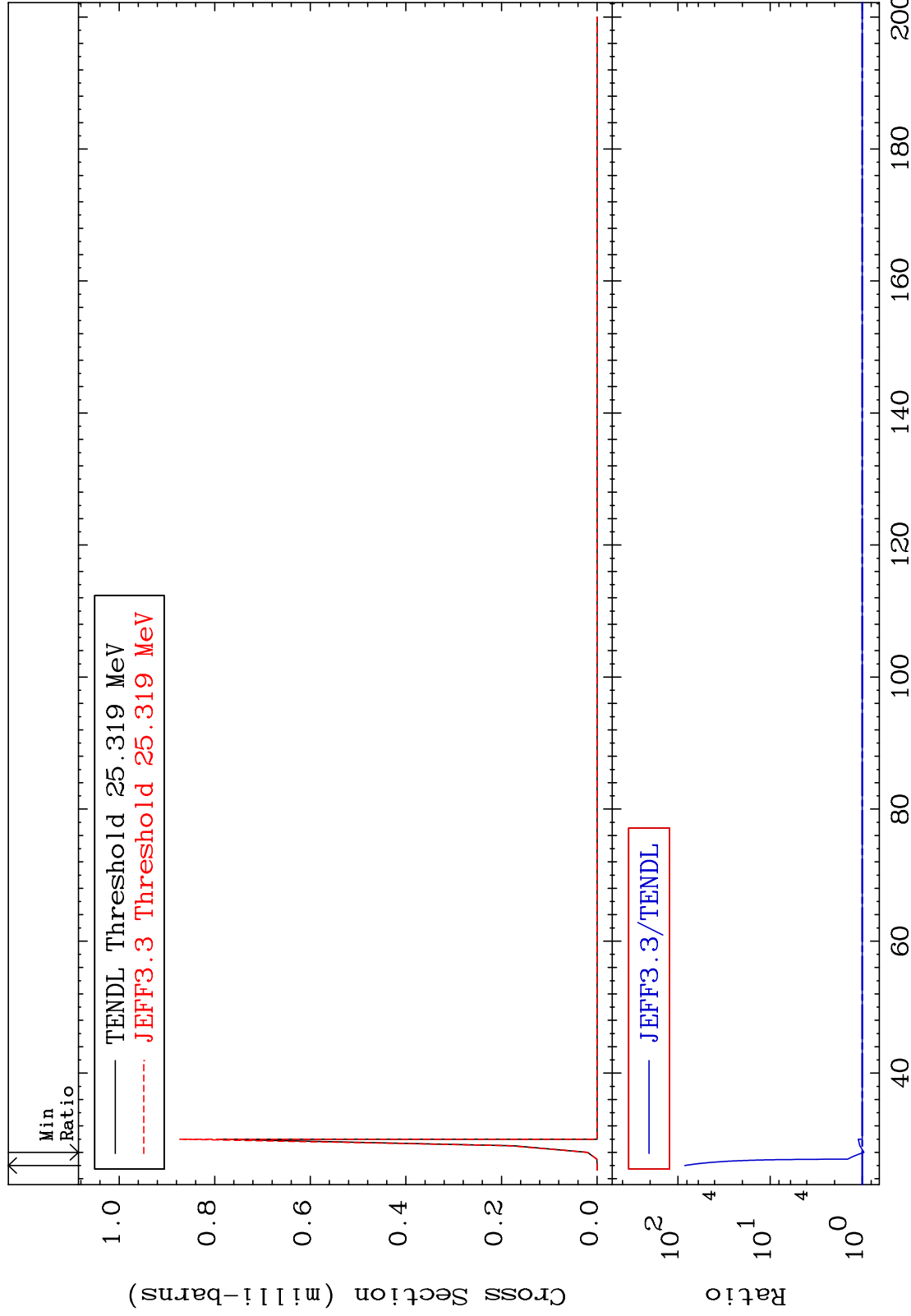
-52.33 To 0.000 %



MAT 2728

(n,3n) p
Cross Section

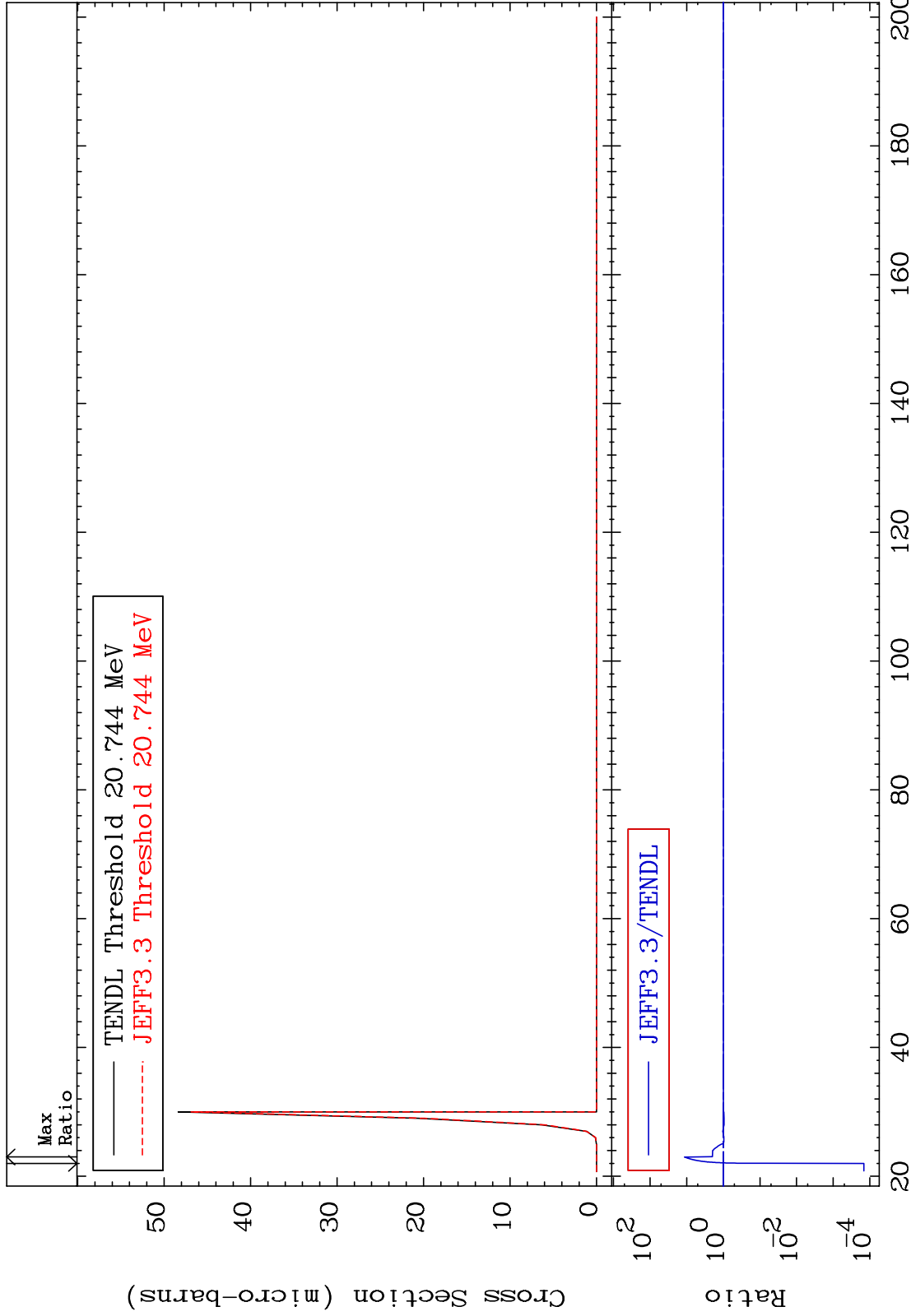
27-Co-60
-4.346 To 8326. %



MAT 2728

(n,2n) p
Cross Section

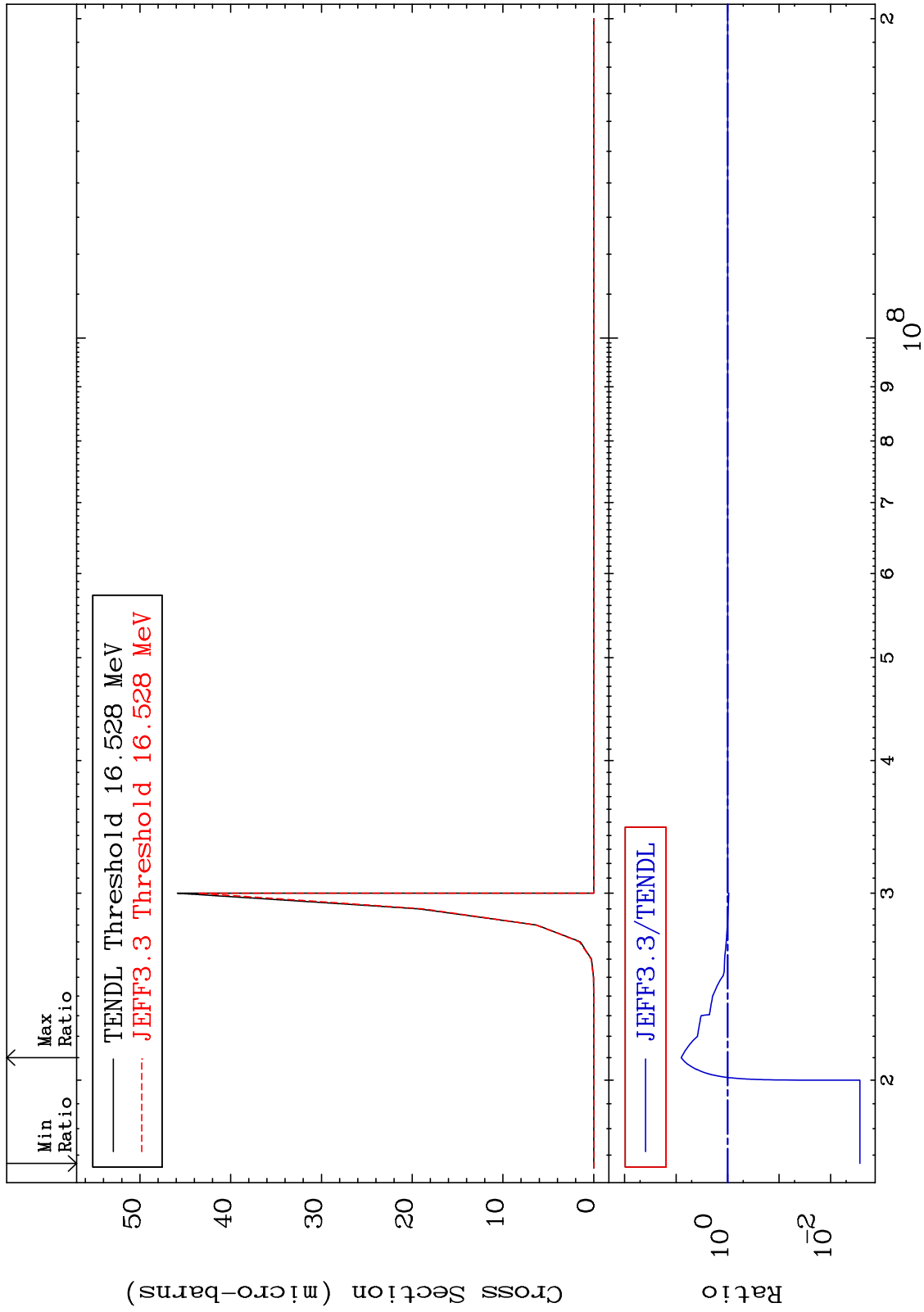
²⁷Co-60
-99.99 To 1057. %



MAT 2728

(n,n') p α
Cross Section

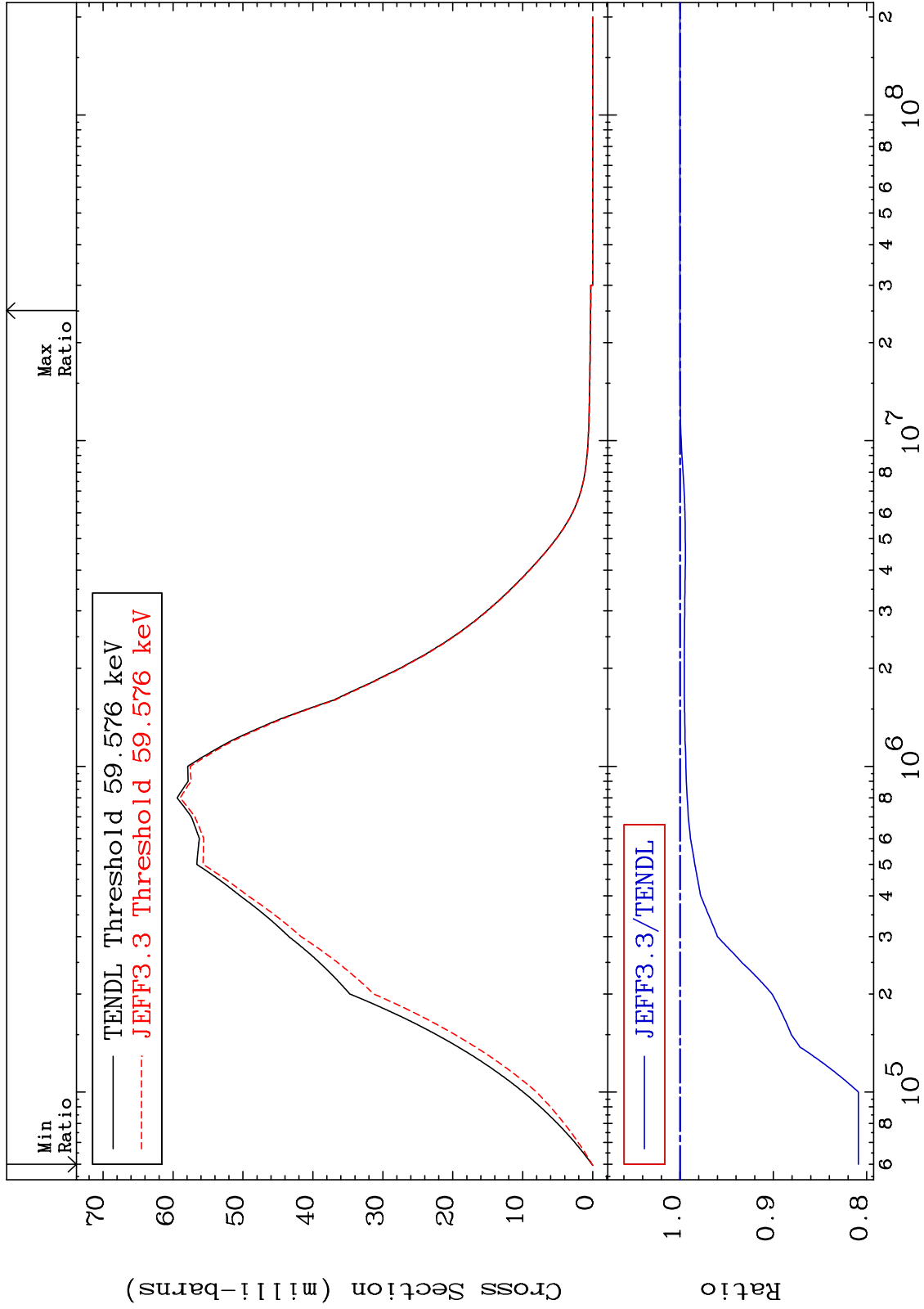
27-Co-60
-99.73 To 695.2 %



MAT 2728

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

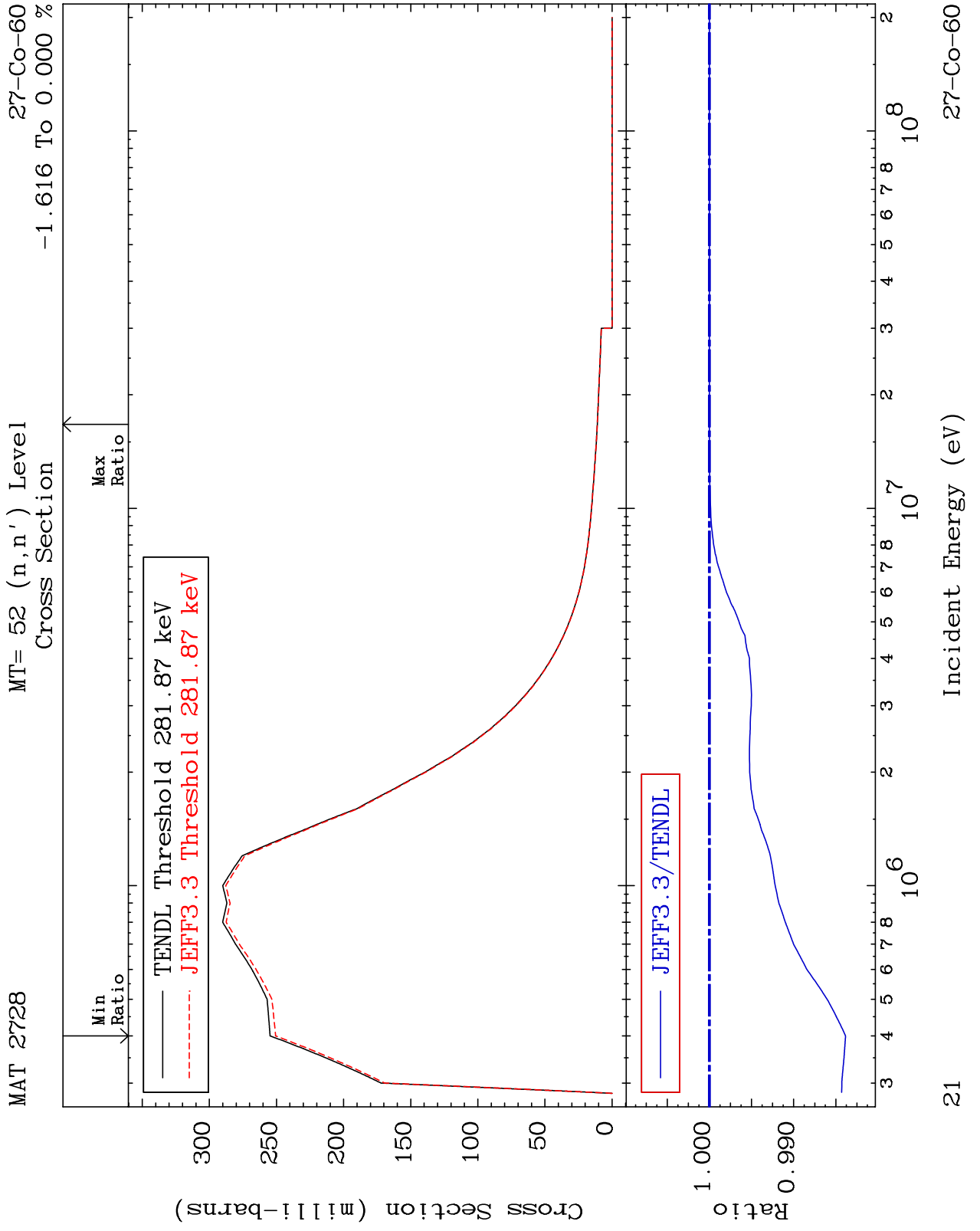
27-Co-60
-19.11 To 0.000 %



20

Incident Energy (eV)

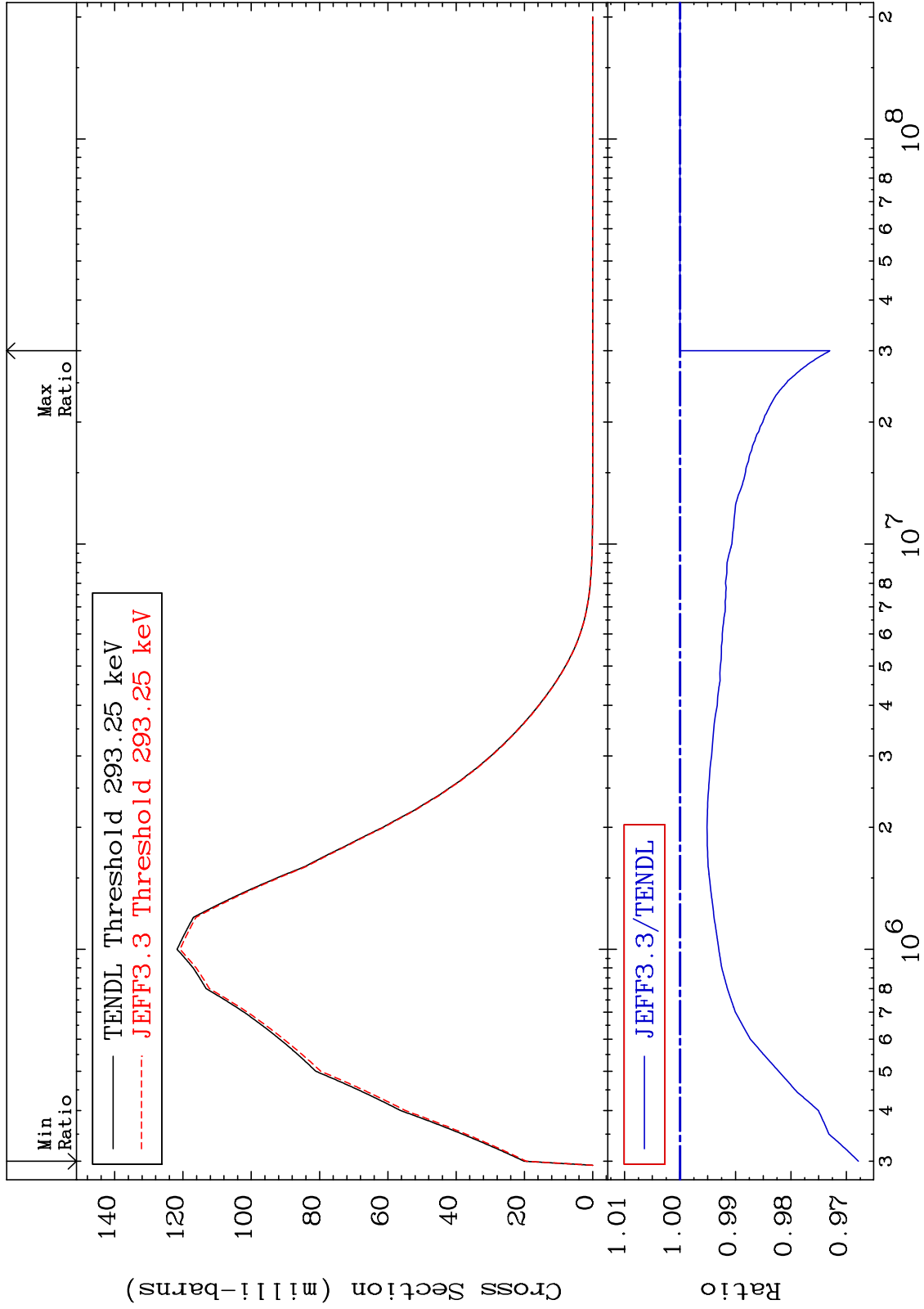
27-Co-60



MAT 2728

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

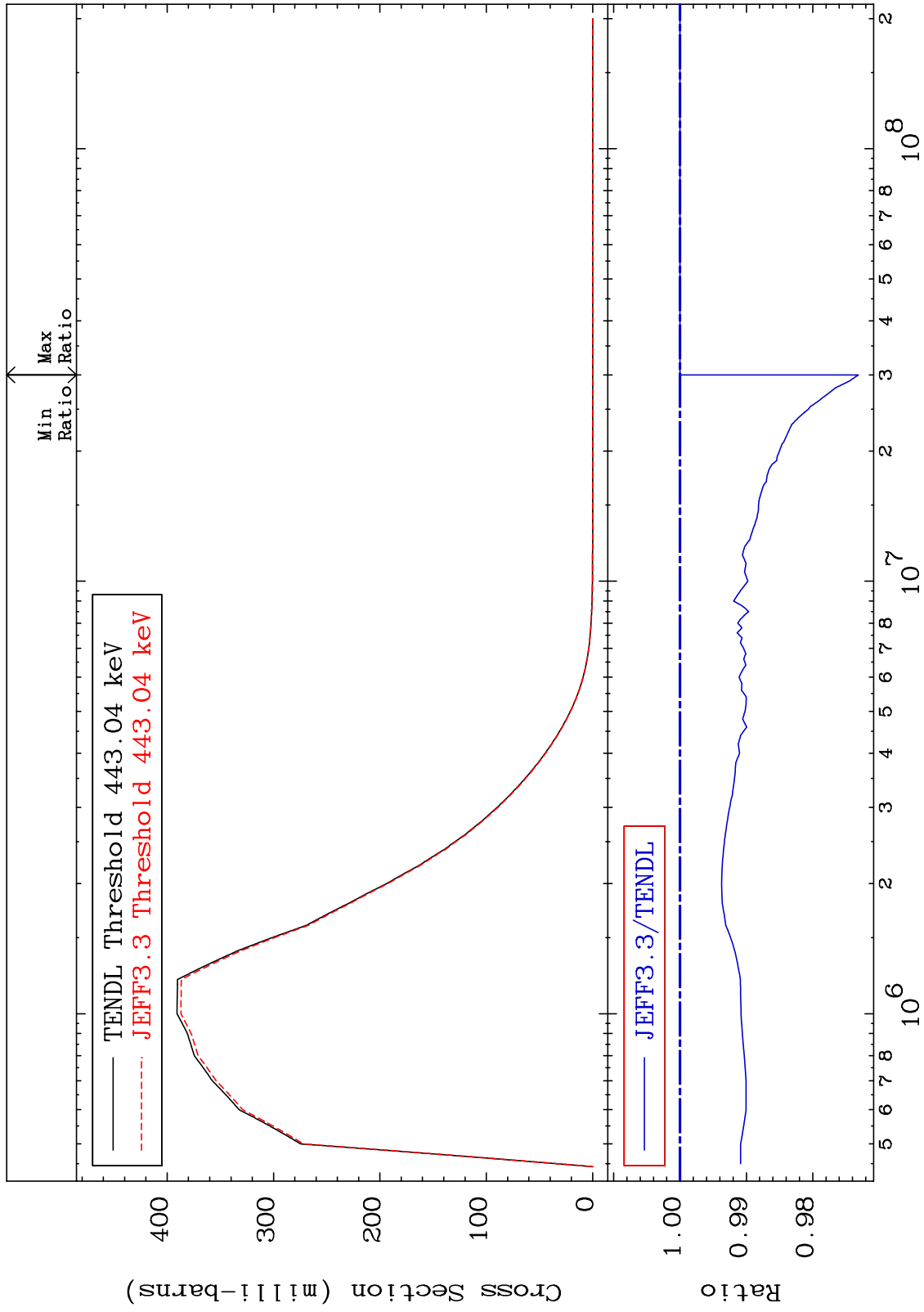
27-Co-60
-3.217 To 0.000 %



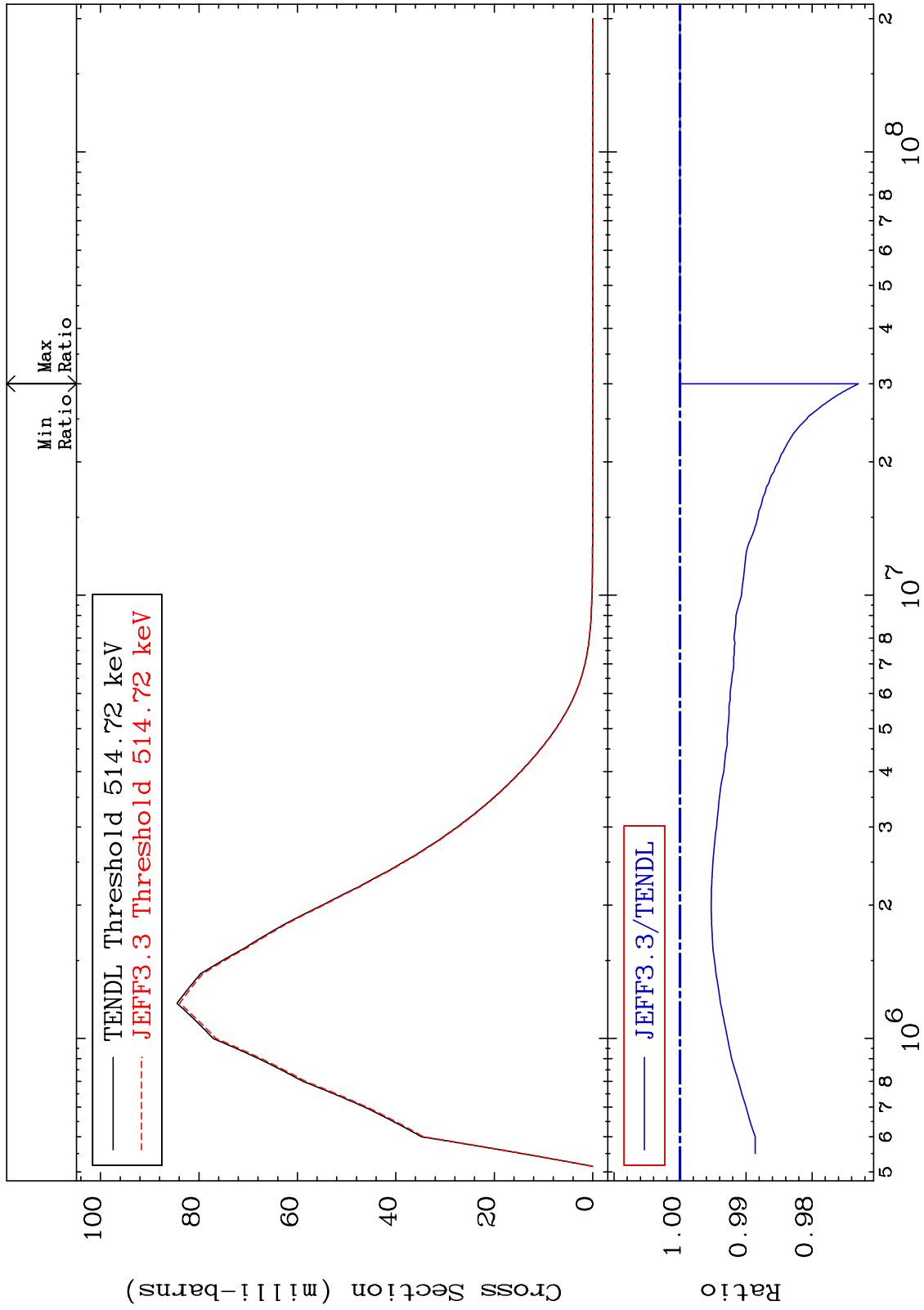
MAT 2728

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

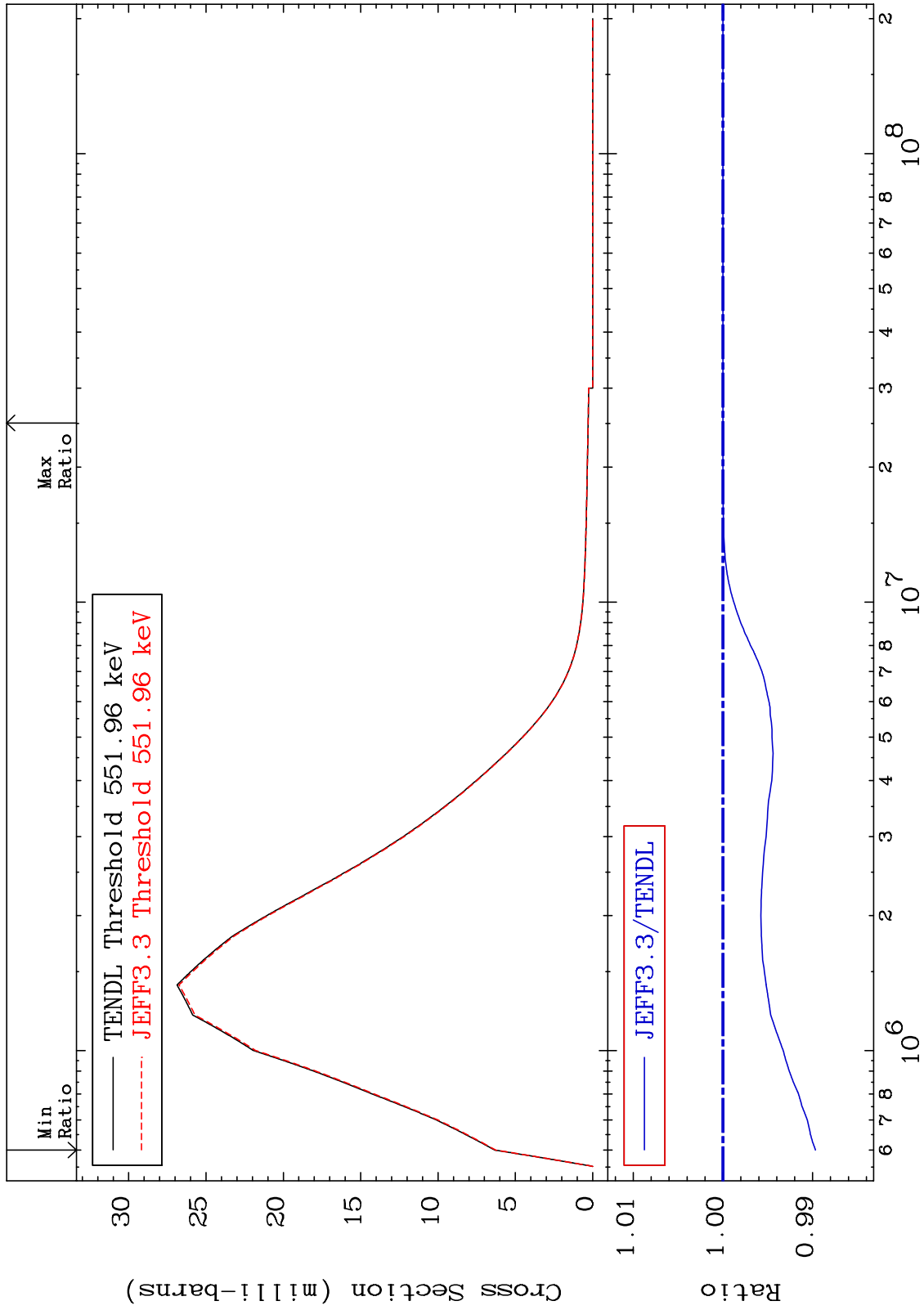
27-Co-60
-2.689 To 0.000 %



MAT 2728 MT= 55 (n,n') Level Cross Section -2.703 To 0.000 % 27-Co-60



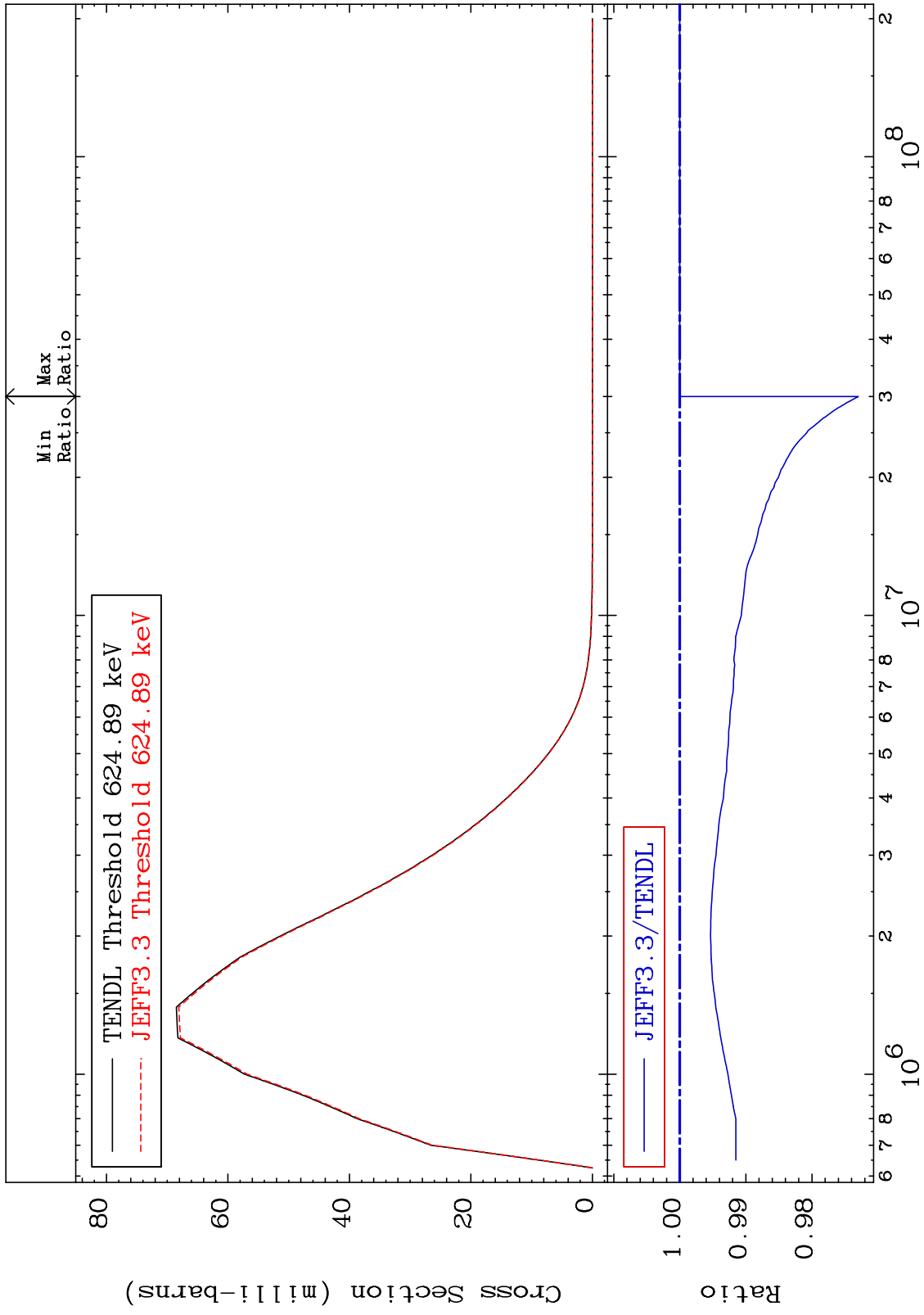
MAT 2728 MT= 56 (n,n') Level Cross Section 27-Co-60
 -1.032 To 0.000 %



MAT 2728

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

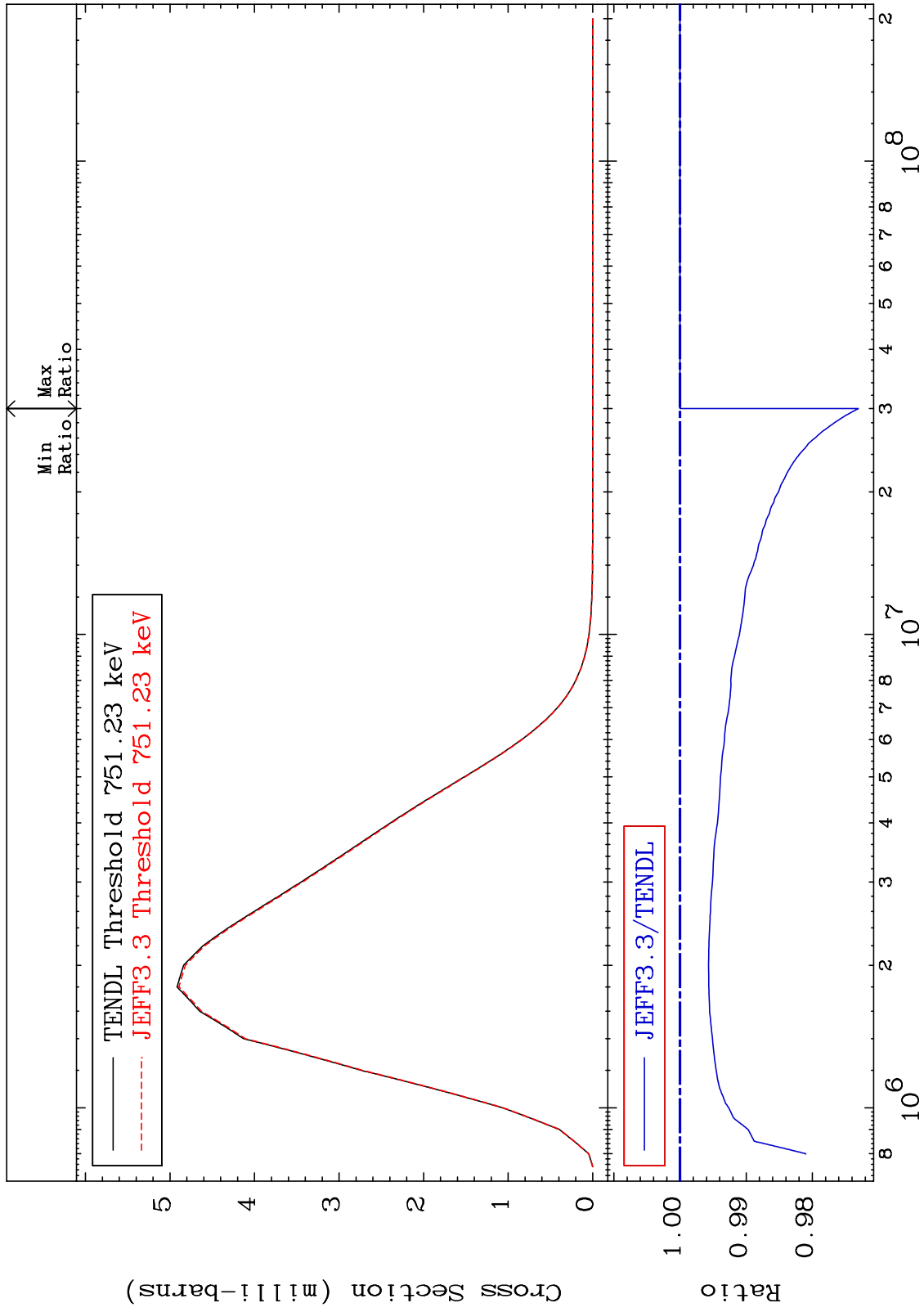
27-Co-60
-2.703 To 0.000 %



MAT 2728

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

27-Co-60
-2.696 To 0.000 %



27

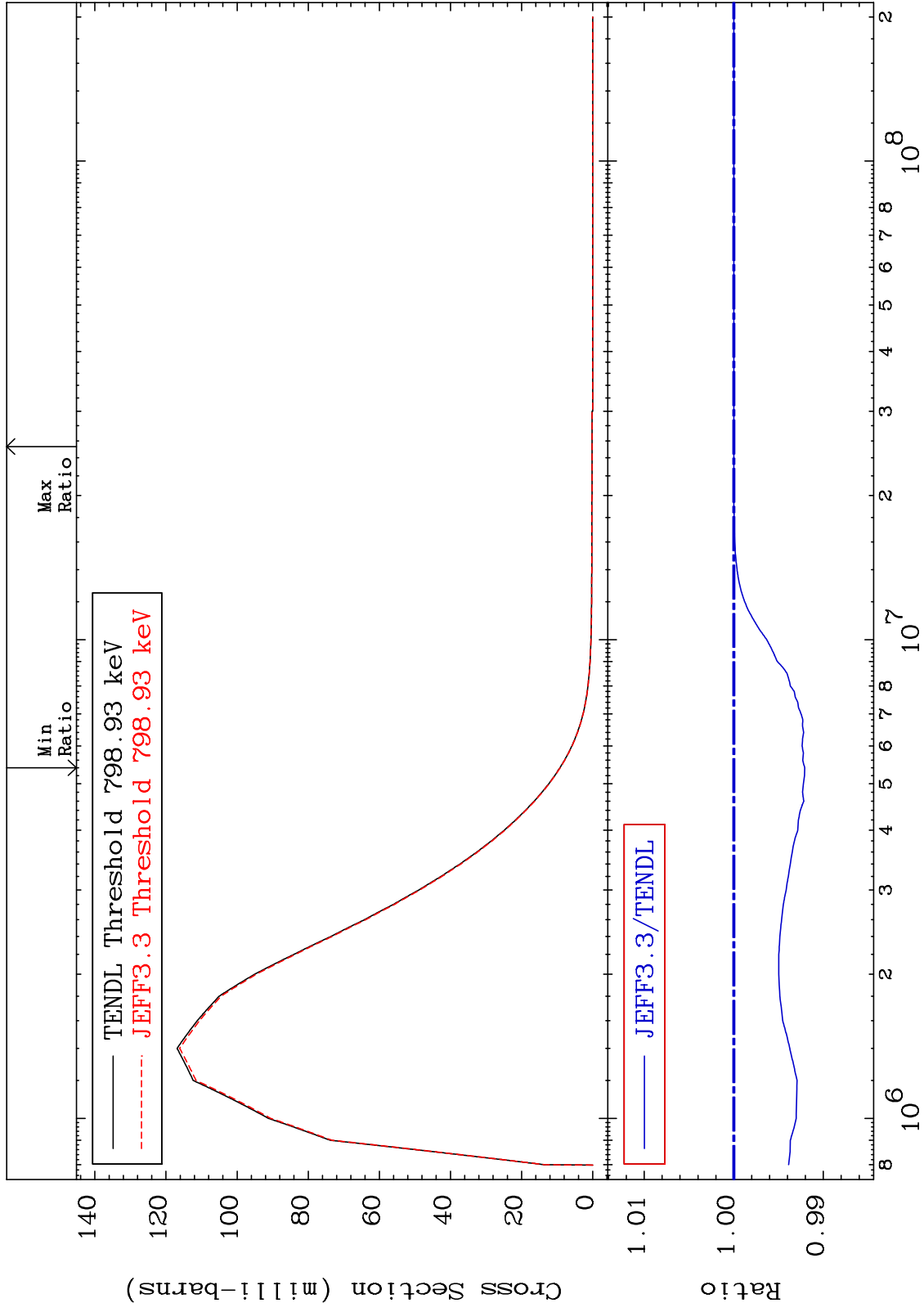
Incident Energy (eV)

27-Co-60

MAT 2728

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

27-Co-60
-0.792 To 0.000 %



28

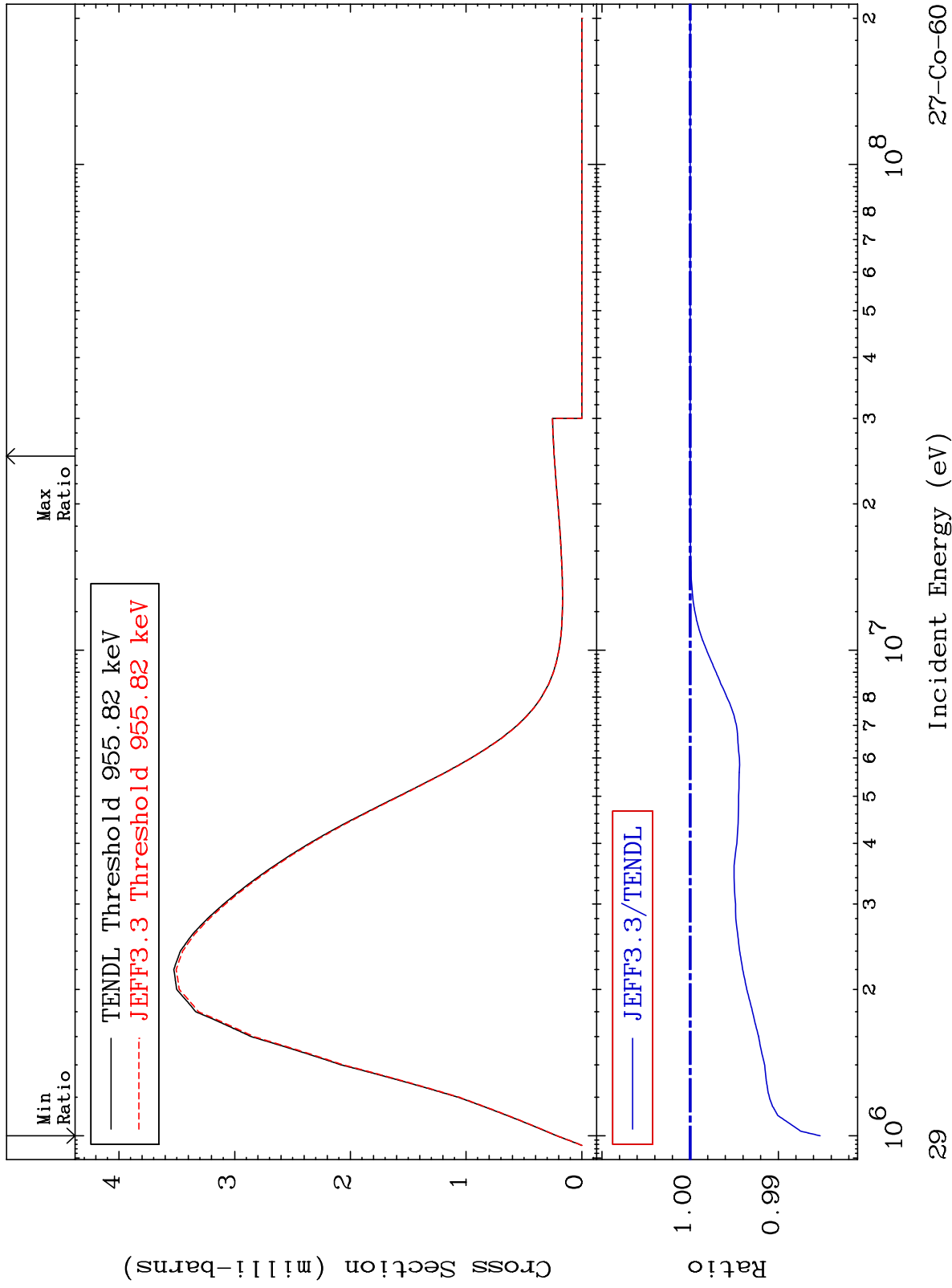
Incident Energy (eV)

27-Co-60

MAT 2728

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

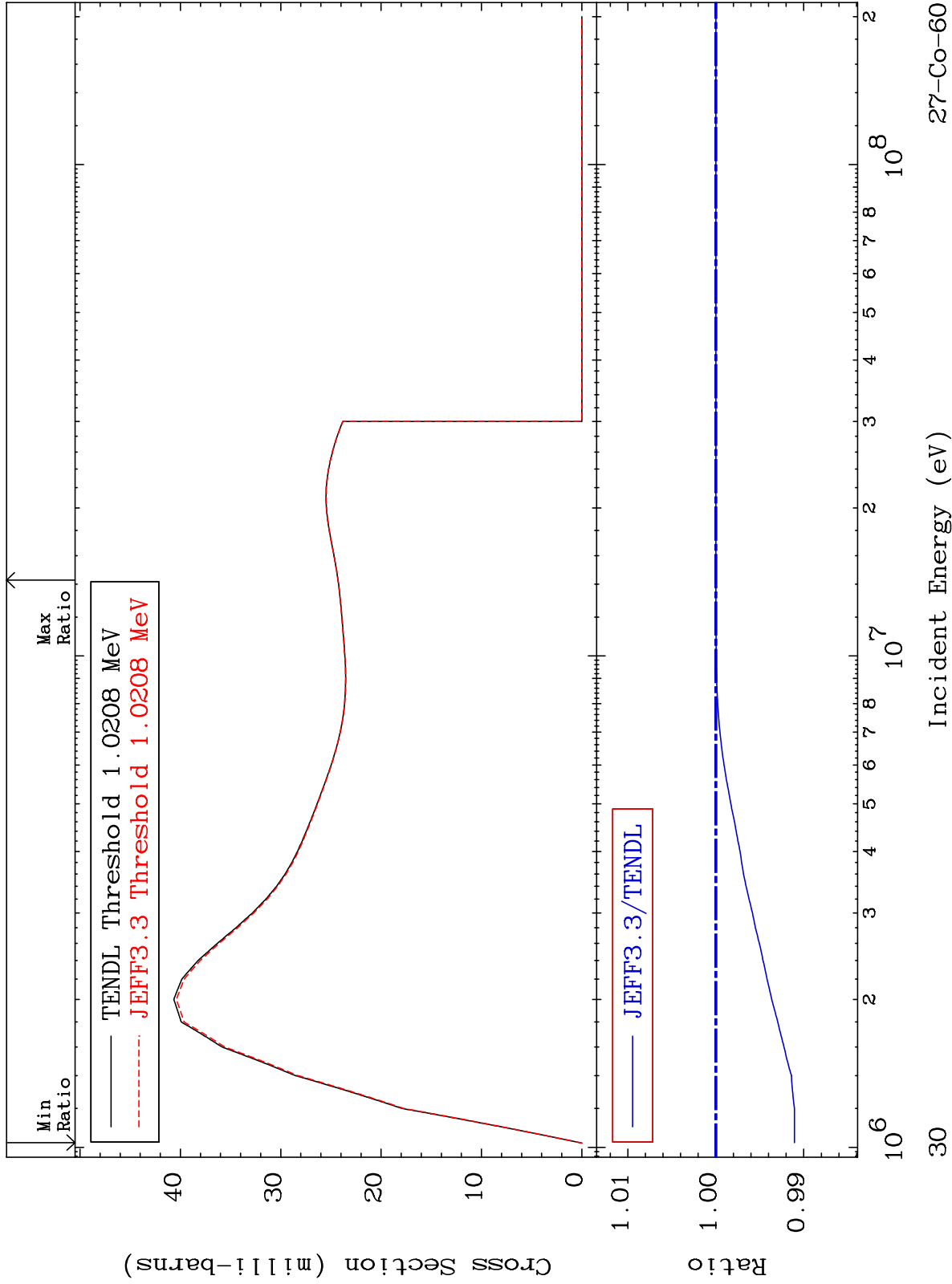
27-Co-60
-1.474 To 0.000 %



MAT 2728

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

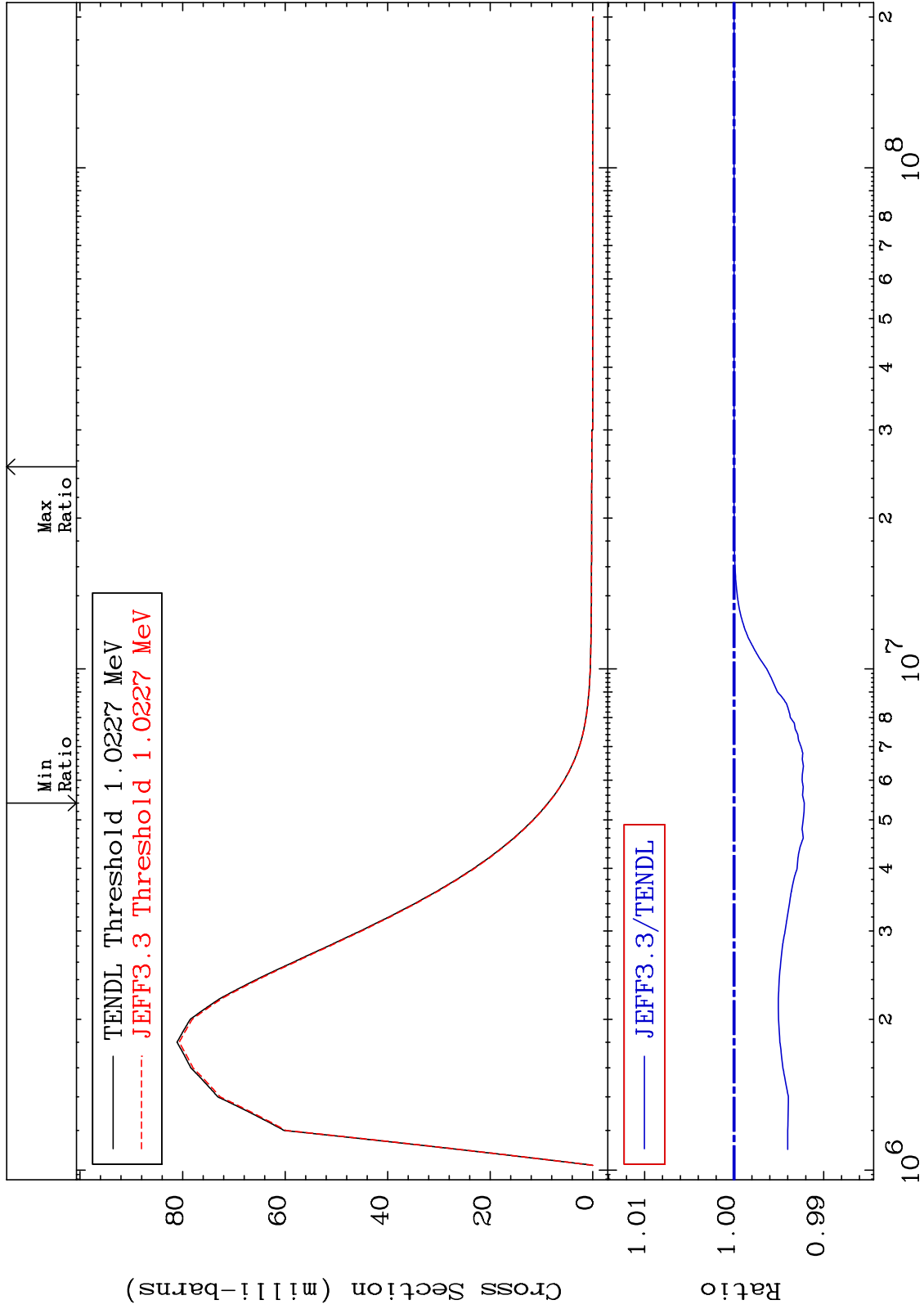
27-Co-60
-0.894 To 0.000 %



MAT 2728

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

27-Co-60
-0.785 To 0.000 %



31

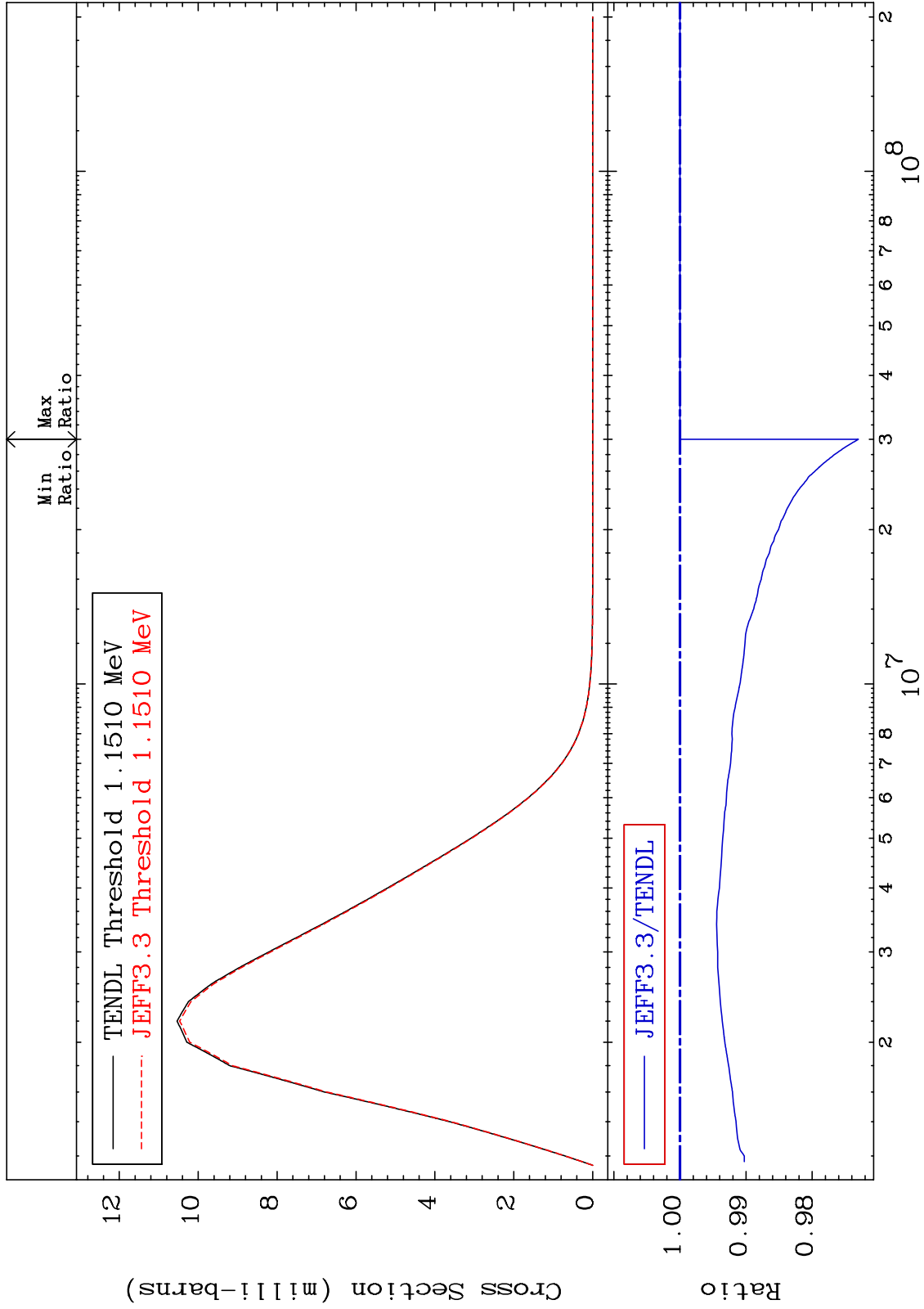
Incident Energy (eV)

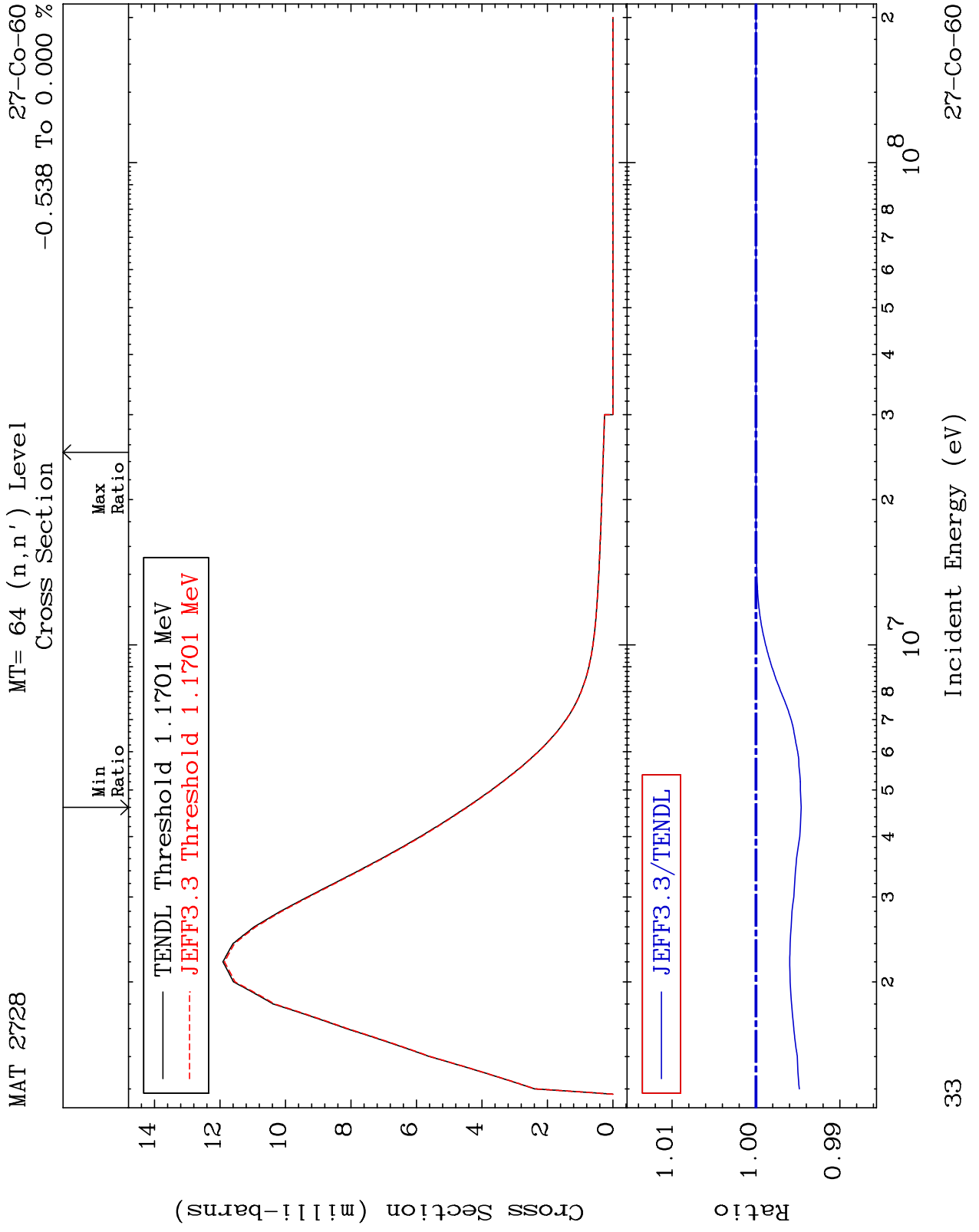
27-Co-60

MAT 2728

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

27-Co-60
-2.699 To 0.000 %

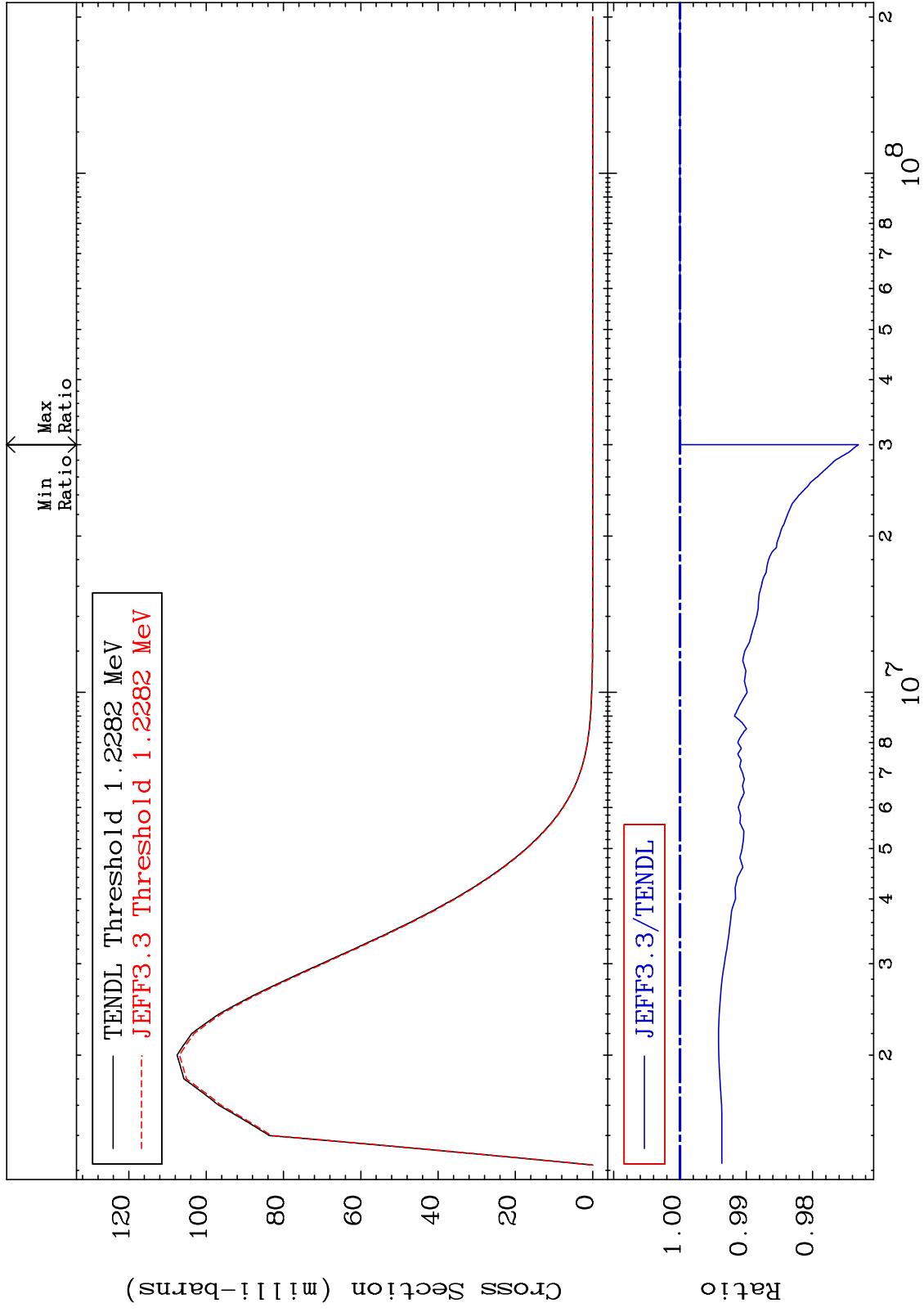


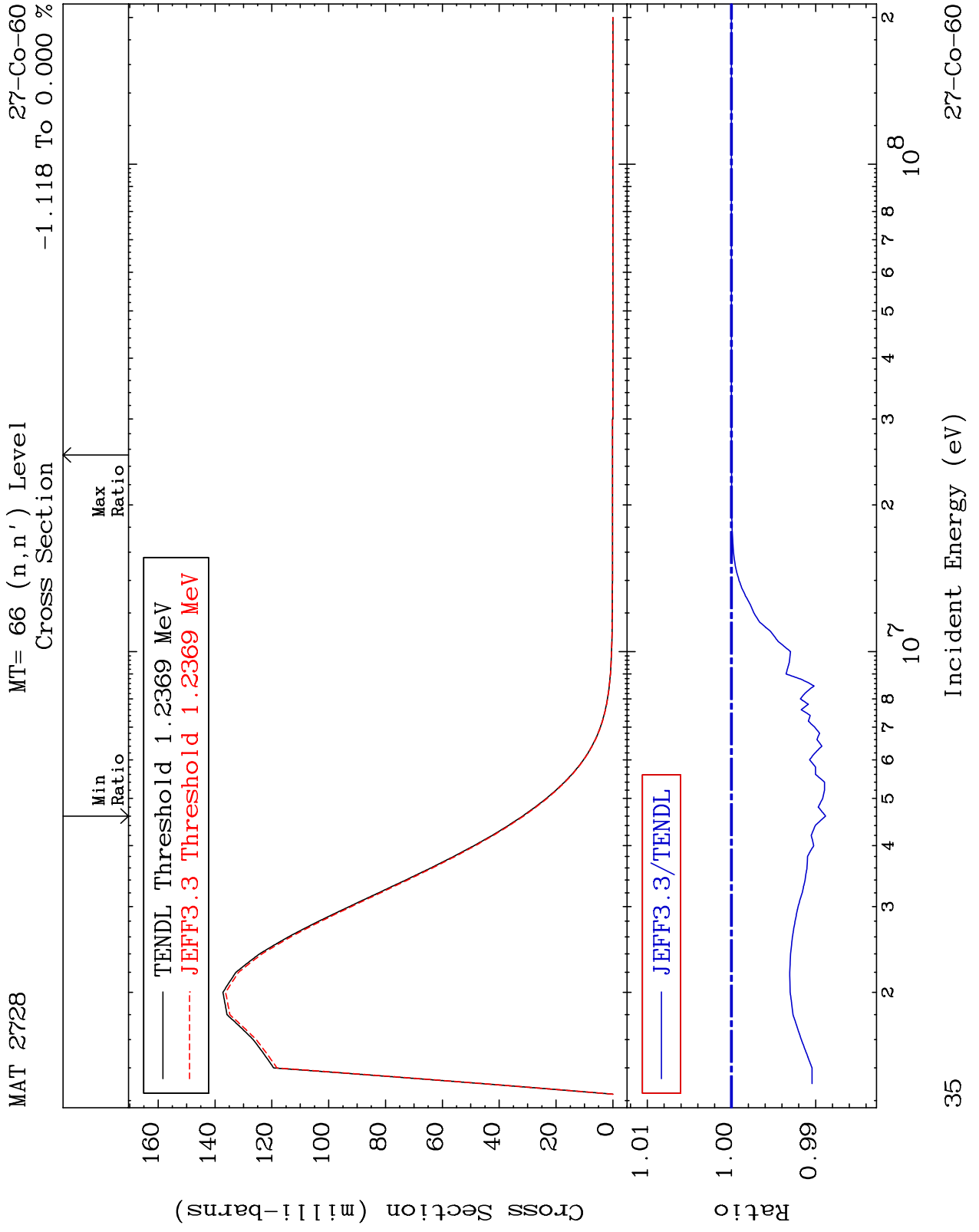


MAT 2728

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

27-Co-60
-2.691 To 0.000 %

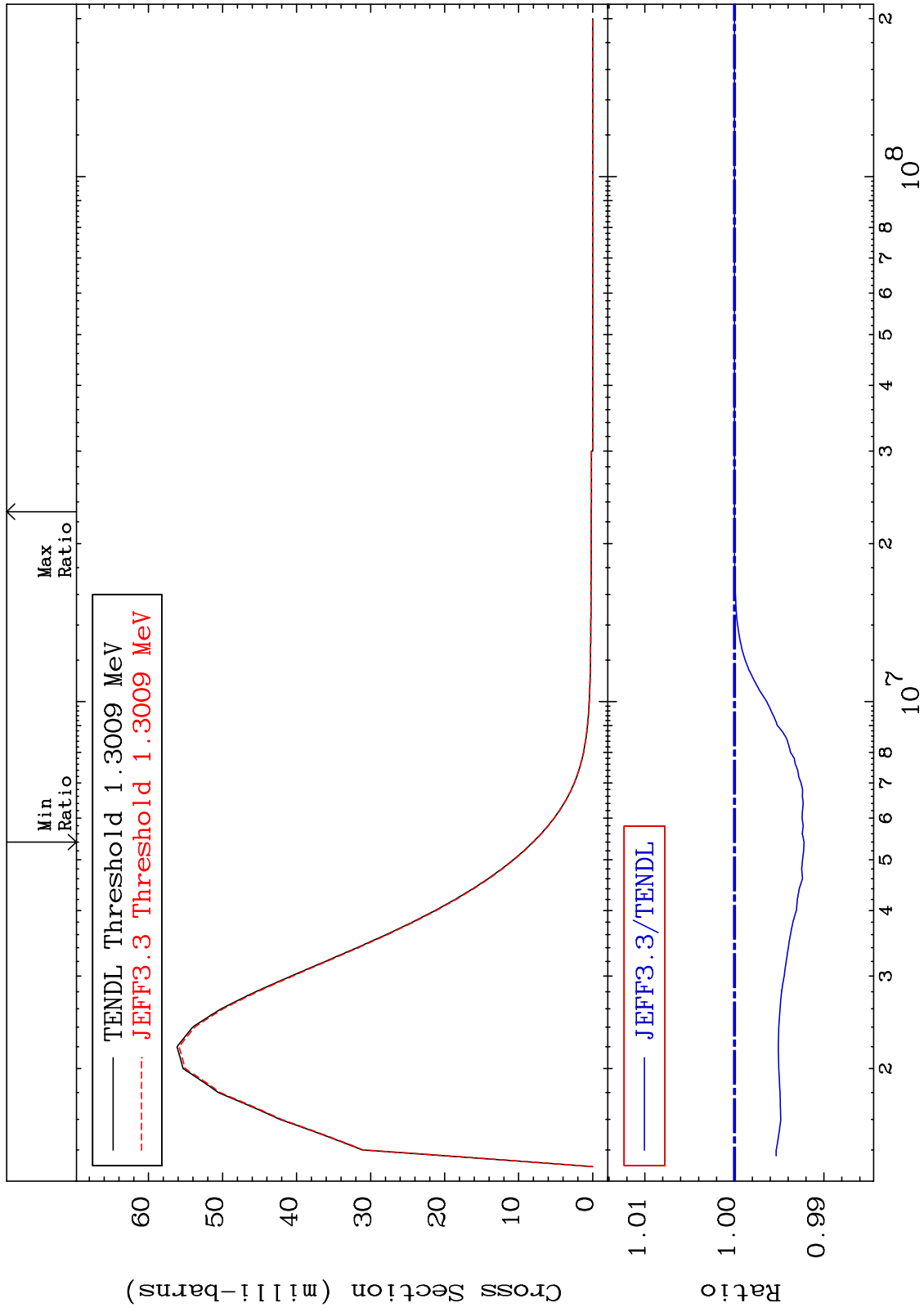




MAT 2728

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

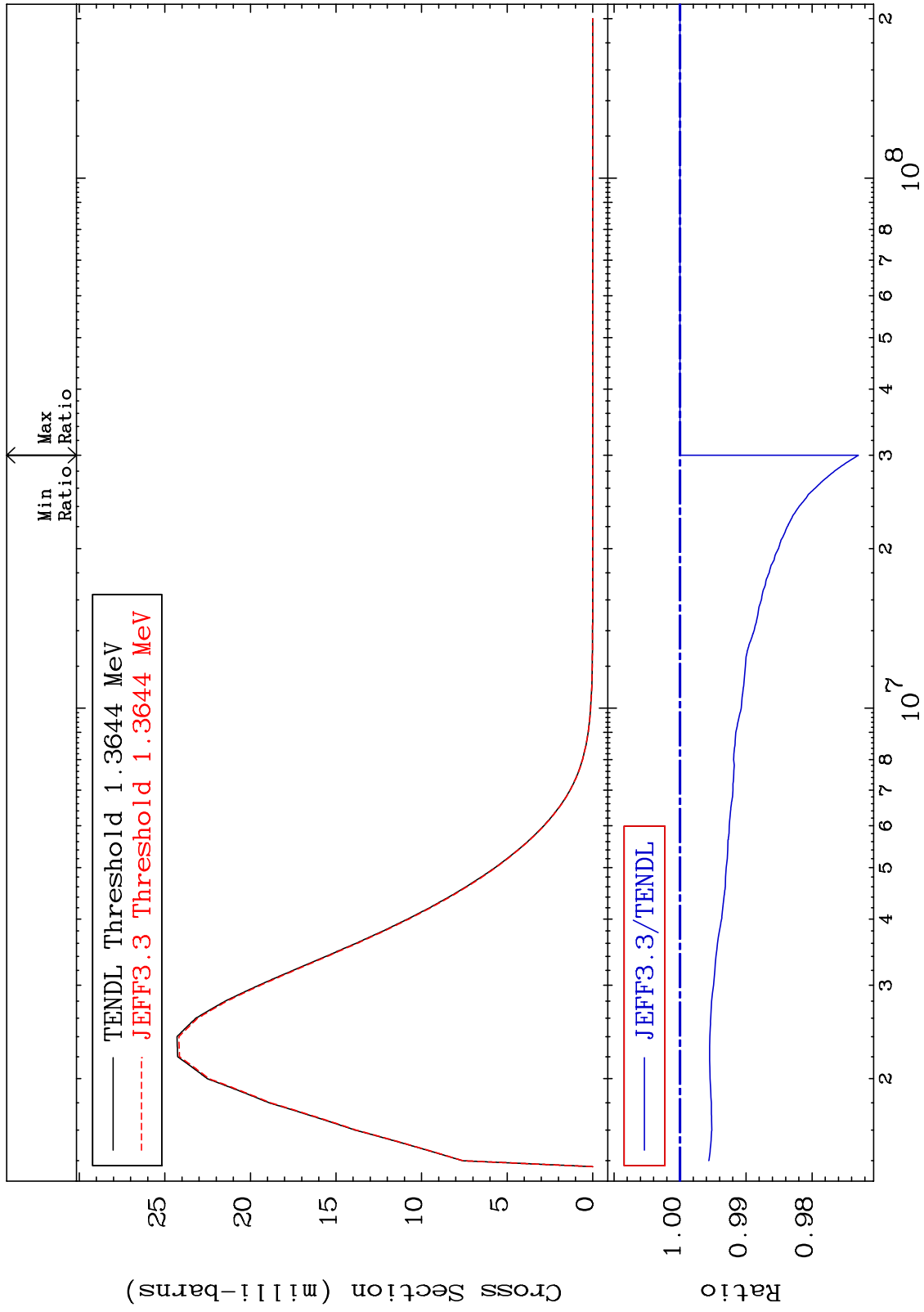
27-Co-60
-0.777 To 0.000 %



MAT 2728

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

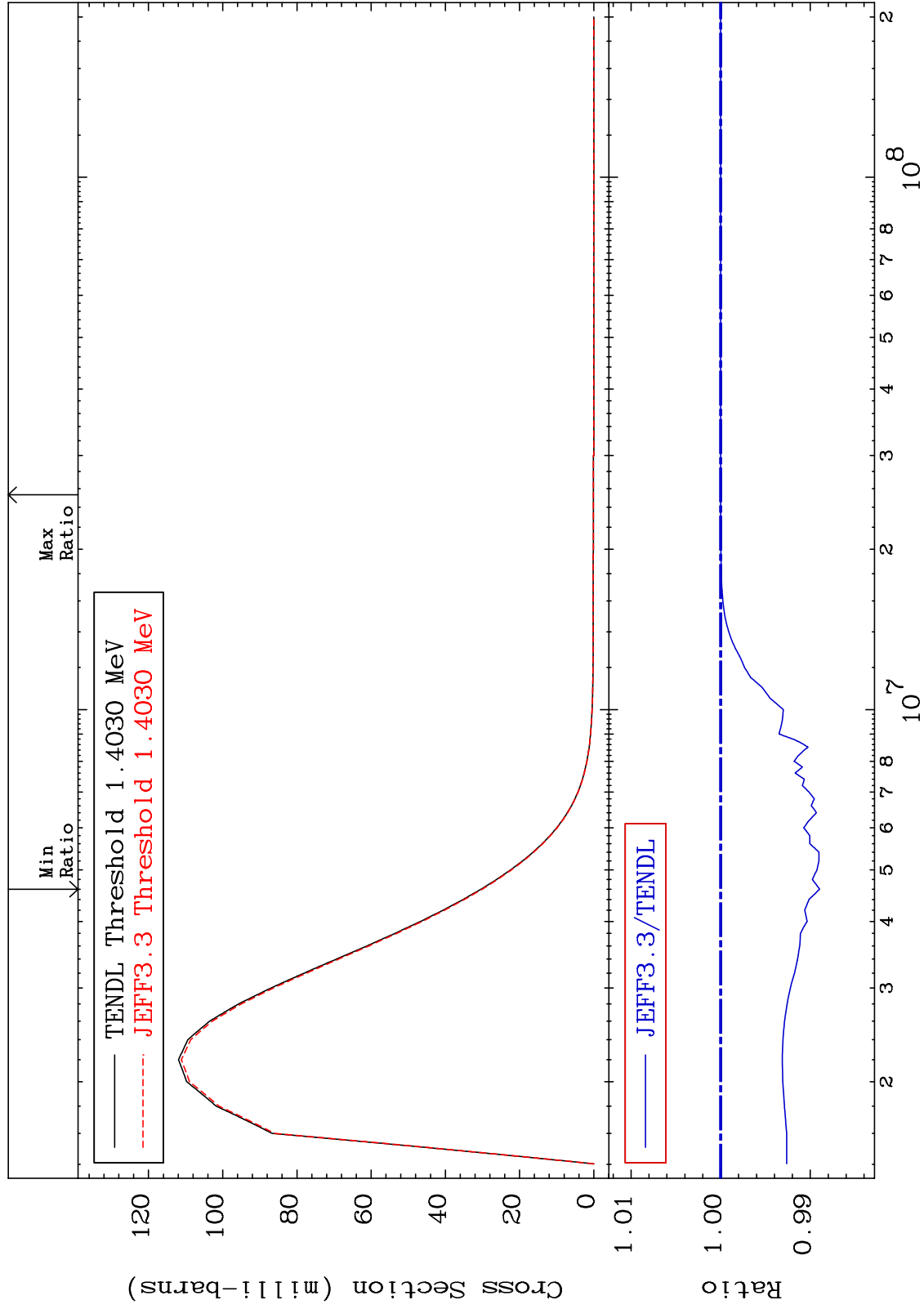
27-Co-60
-2.703 To 0.000 %



MAT 2728

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

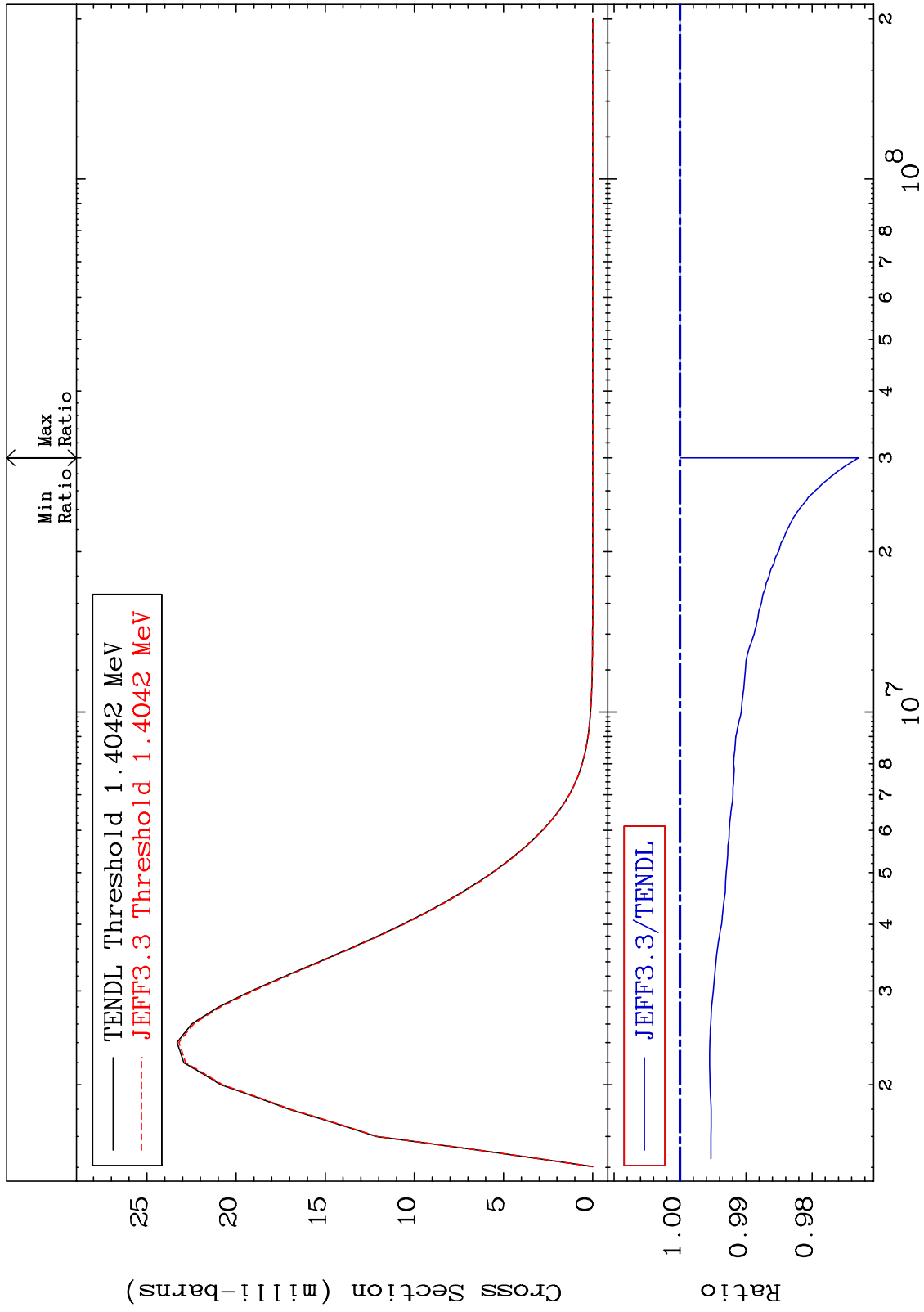
27-Co-60
-1.105 To 0.000 %



MAT 2728

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

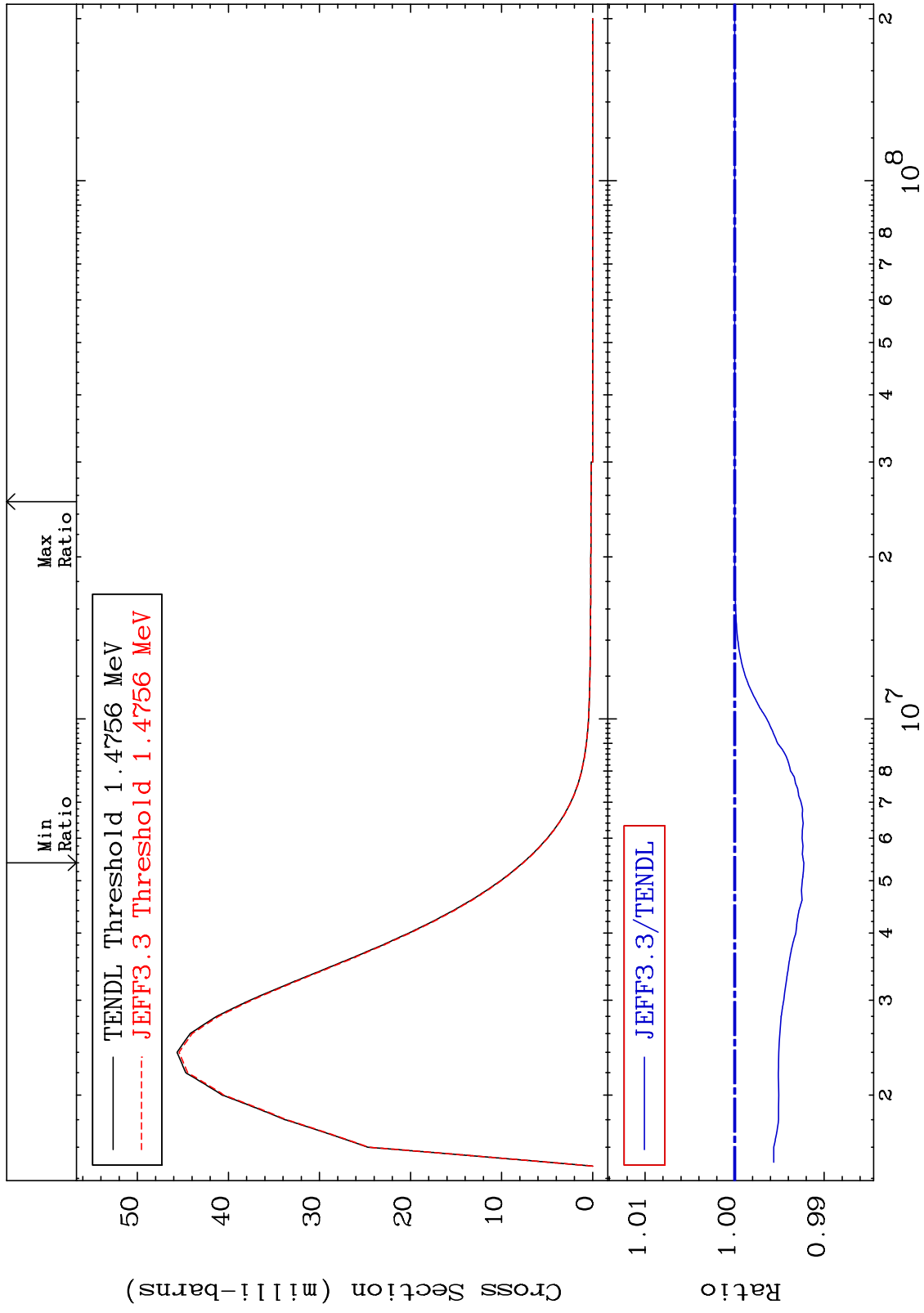
27-Co-60
-2.703 To 0.000 %



MAT 2728

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

27-Co-60
-0.772 To 0.000 %



40

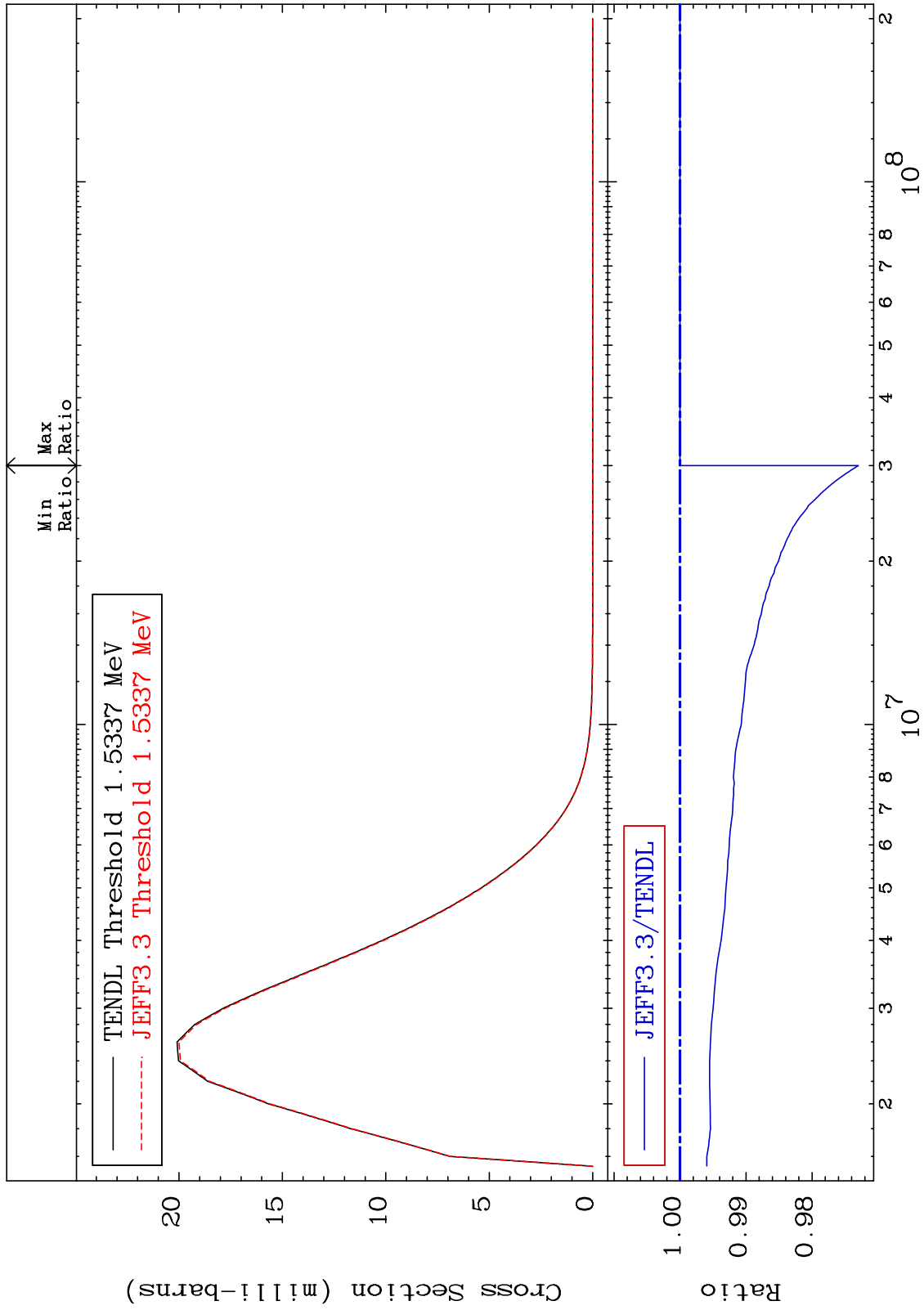
Incident Energy (eV)

27-Co-60

MAT 2728

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

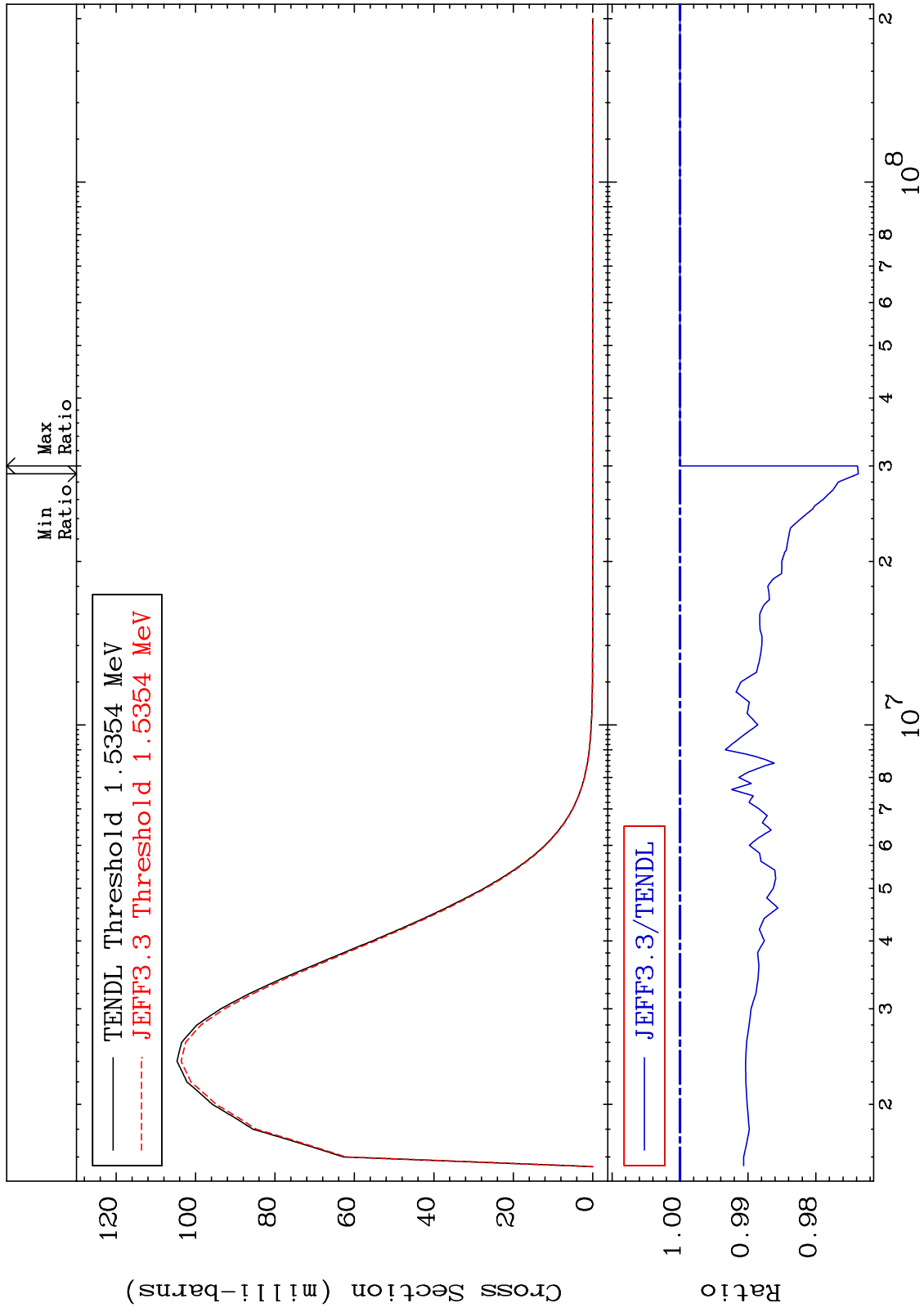
27-Co-60
-2.702 To 0.000 %



MAT 2728

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

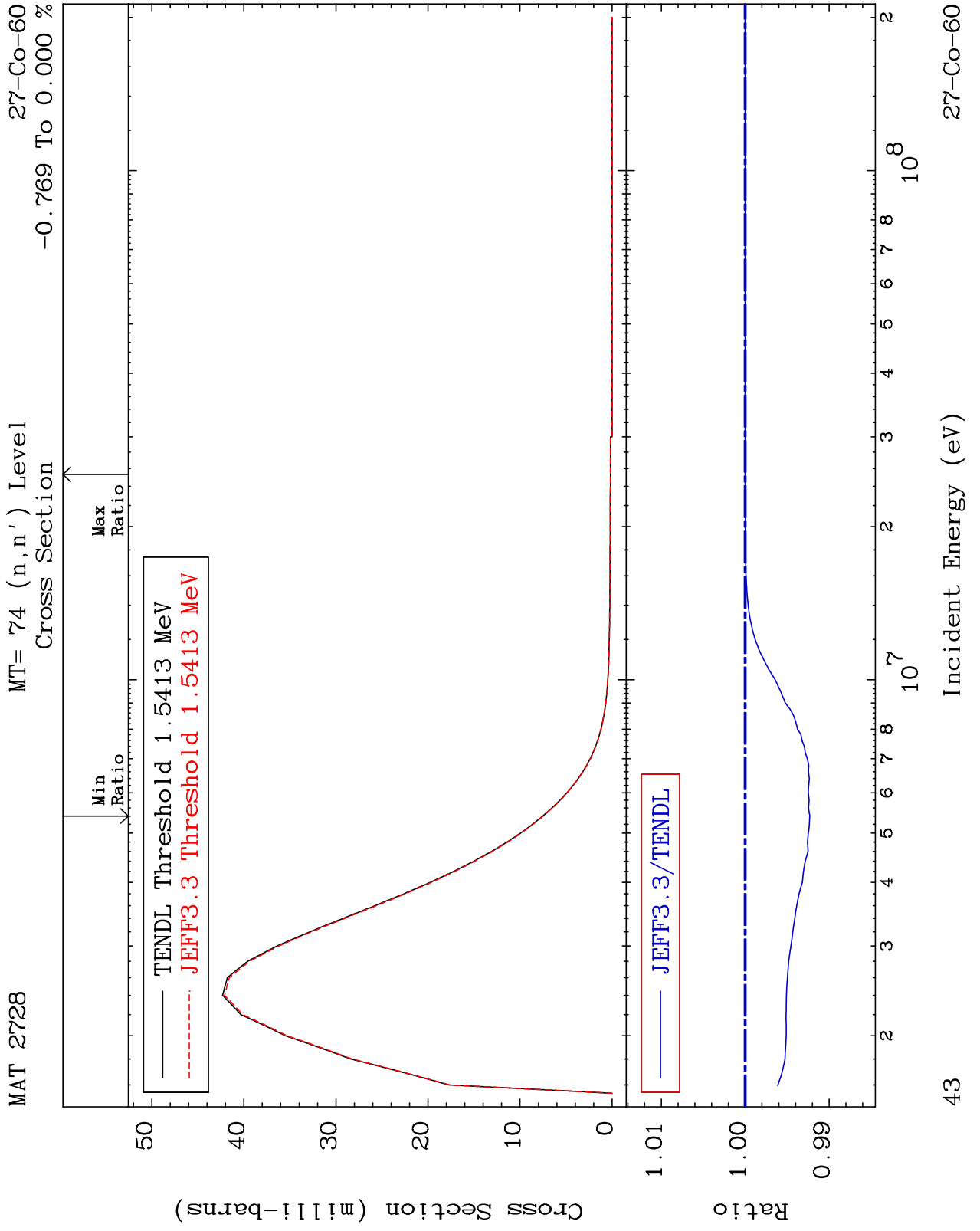
27-Co-60
-2.627 To 0.000 %



42

Incident Energy (eV)

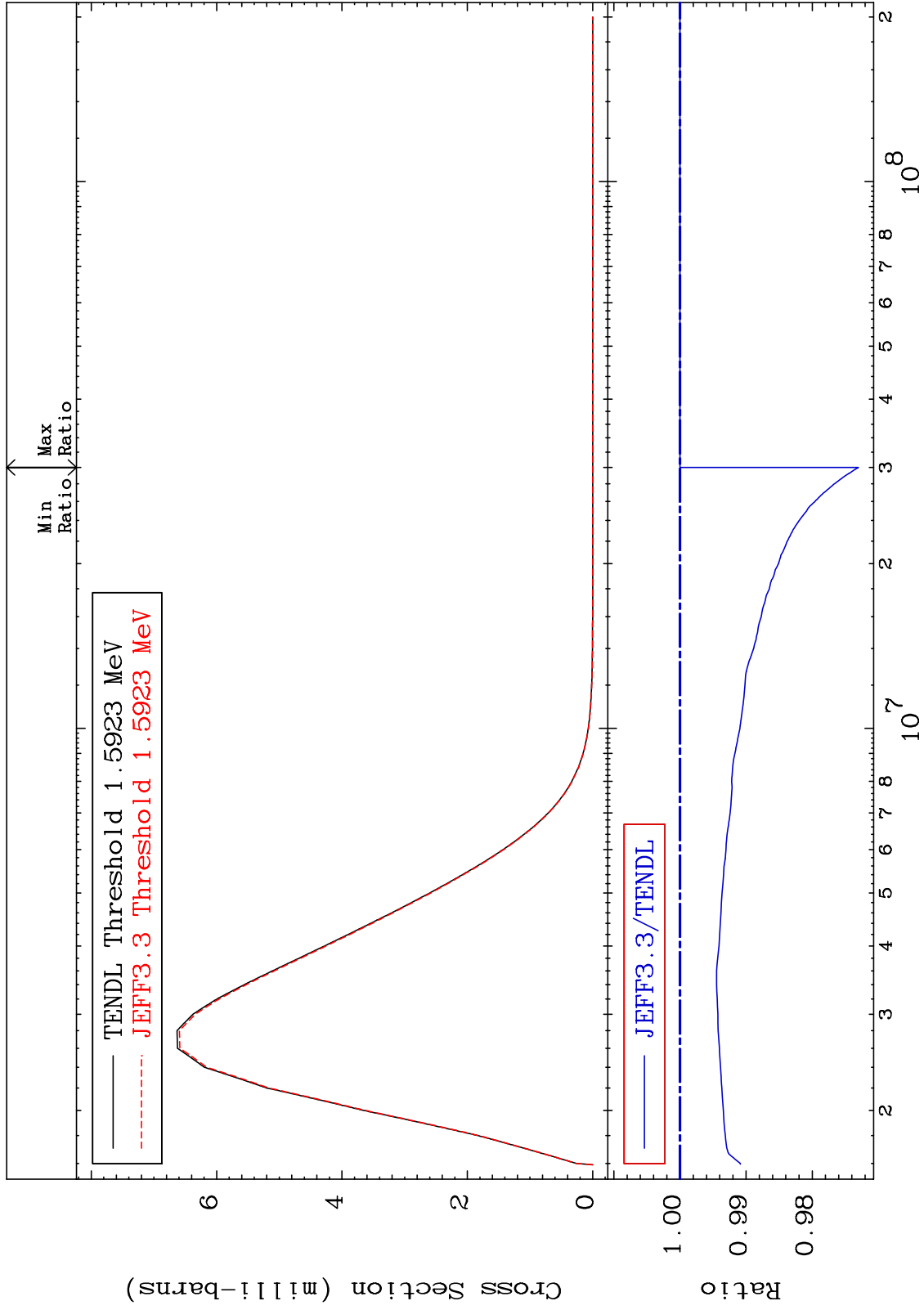
27-Co-60

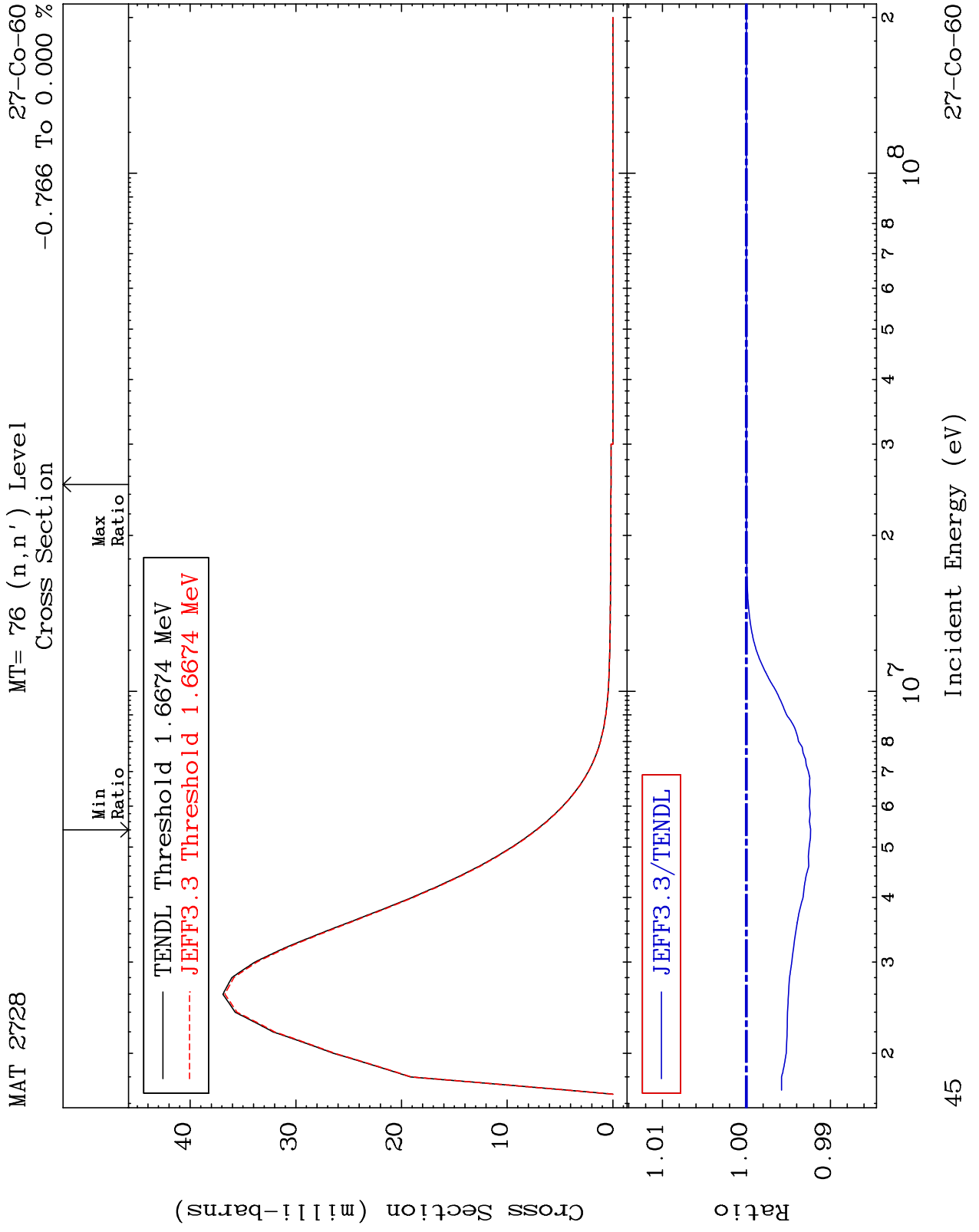


MAT 2728

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

27-Co-60
-2.698 To 0.000 %

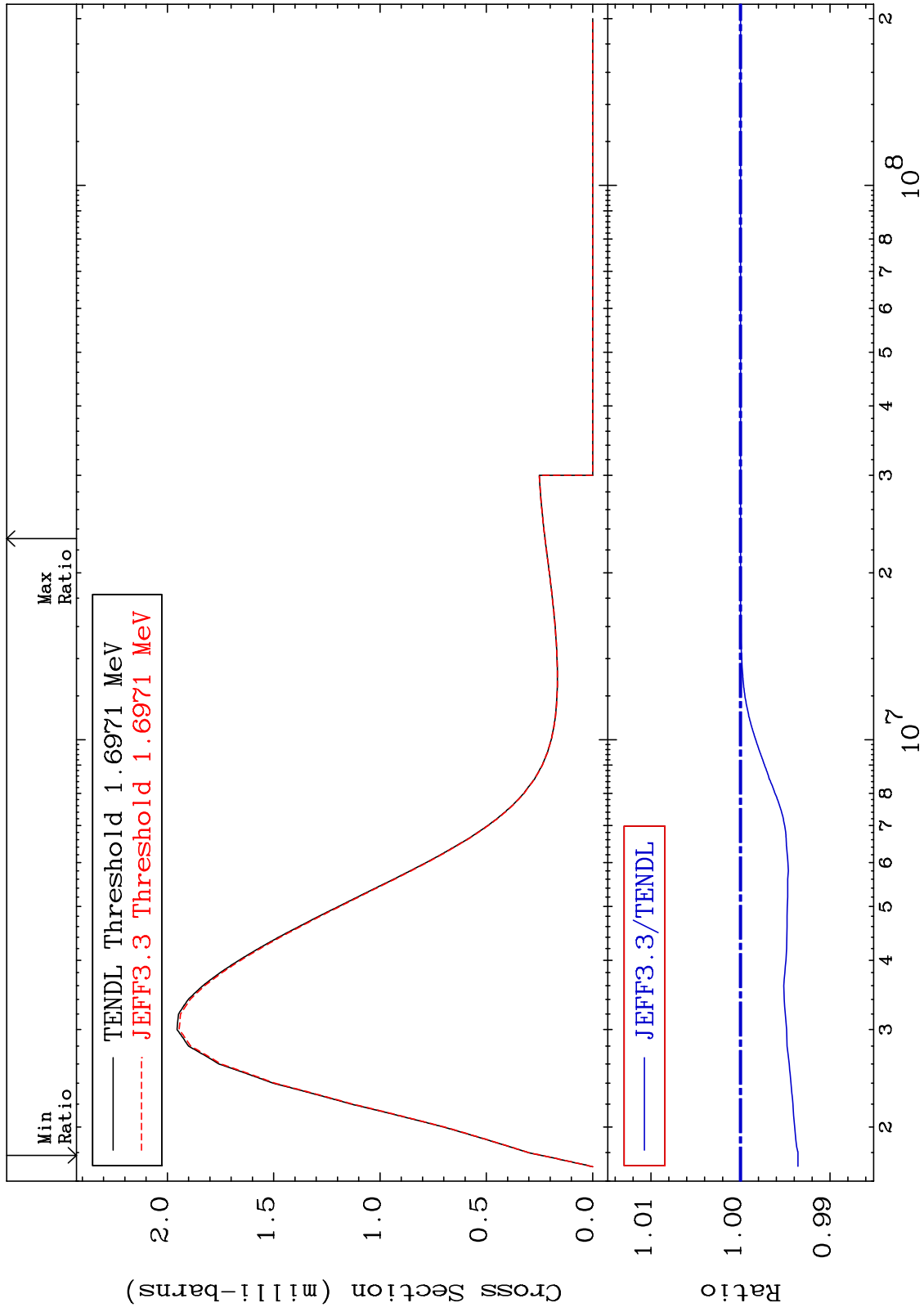




MAT 2728

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

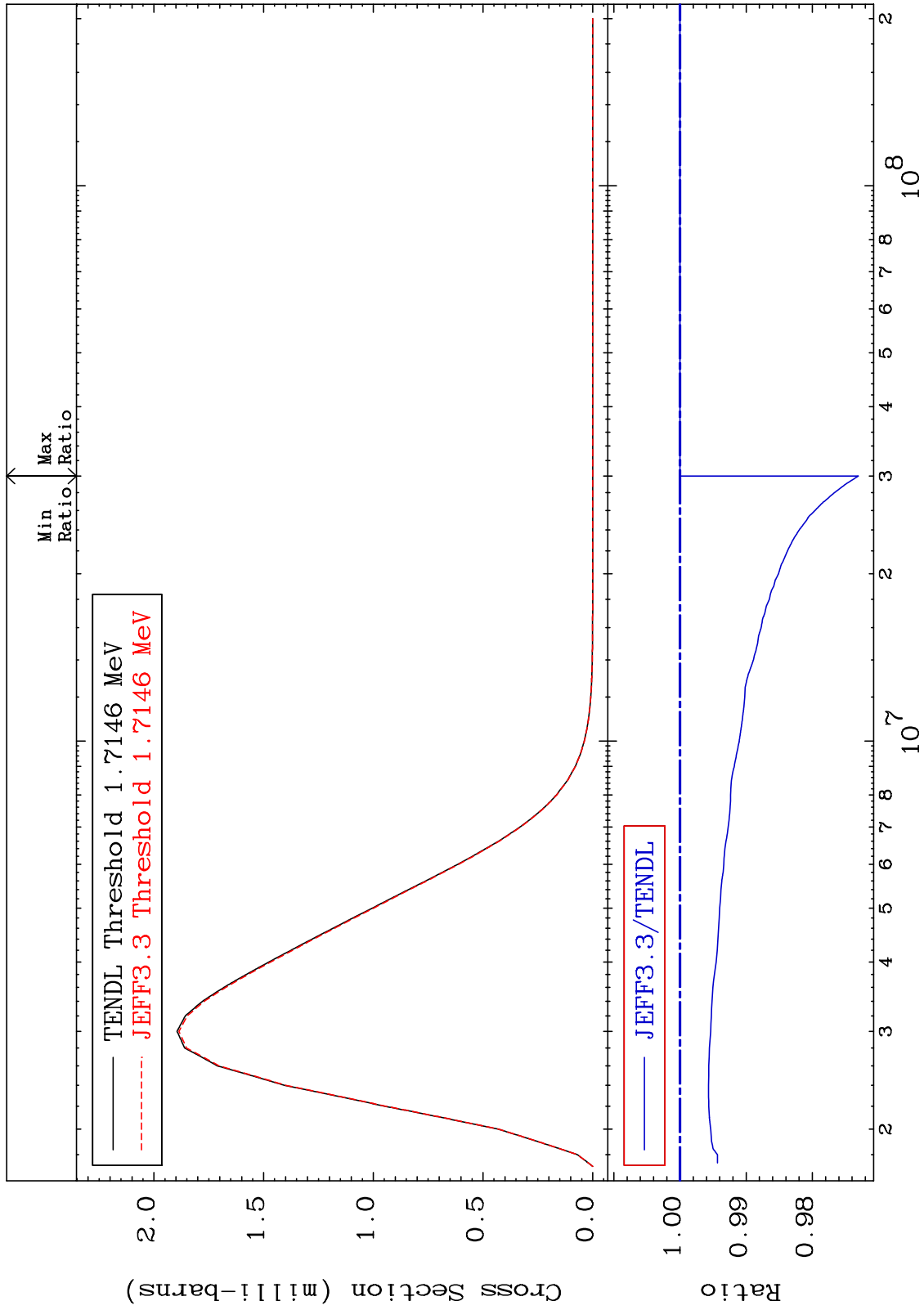
27-Co-60
-0.642 To 0.000 %



MAT 2728

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

27-Co-60
-2.695 To 0.000 %



47

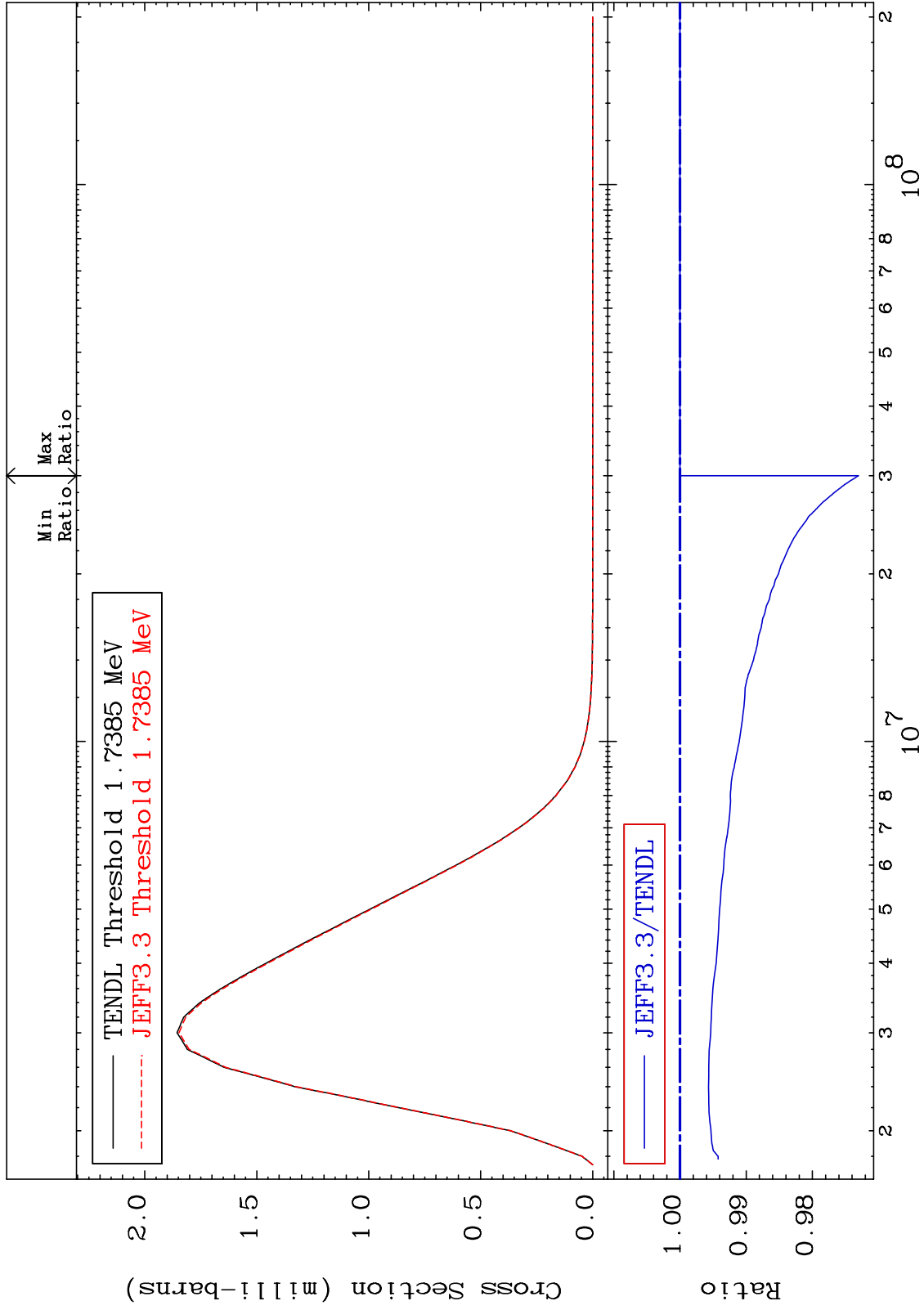
Incident Energy (eV)

27-Co-60

MAT 2728

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

27-Co-60
-2.695 To 0.000 %



48

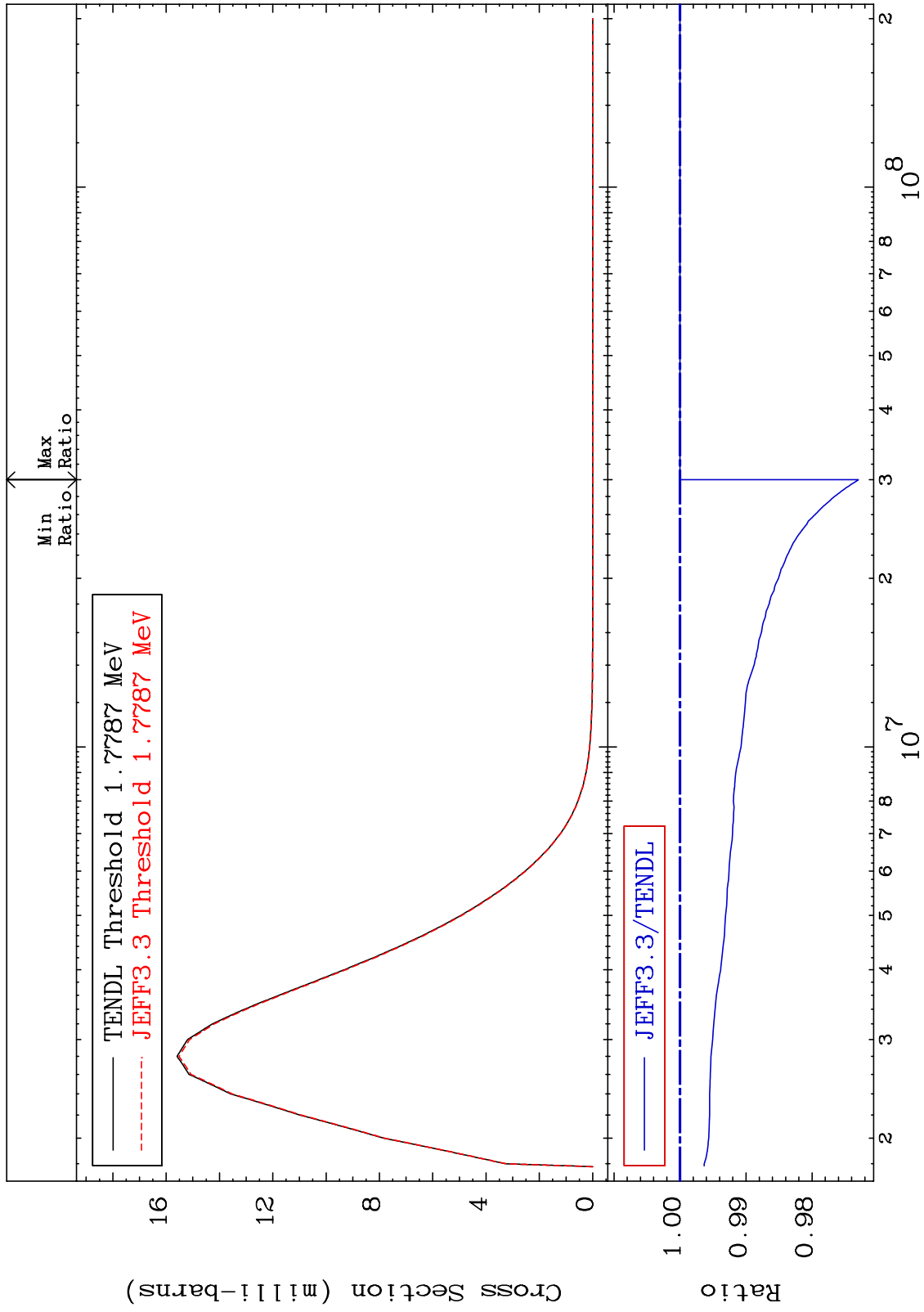
Incident Energy (eV)

27-Co-60

MAT 2728

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

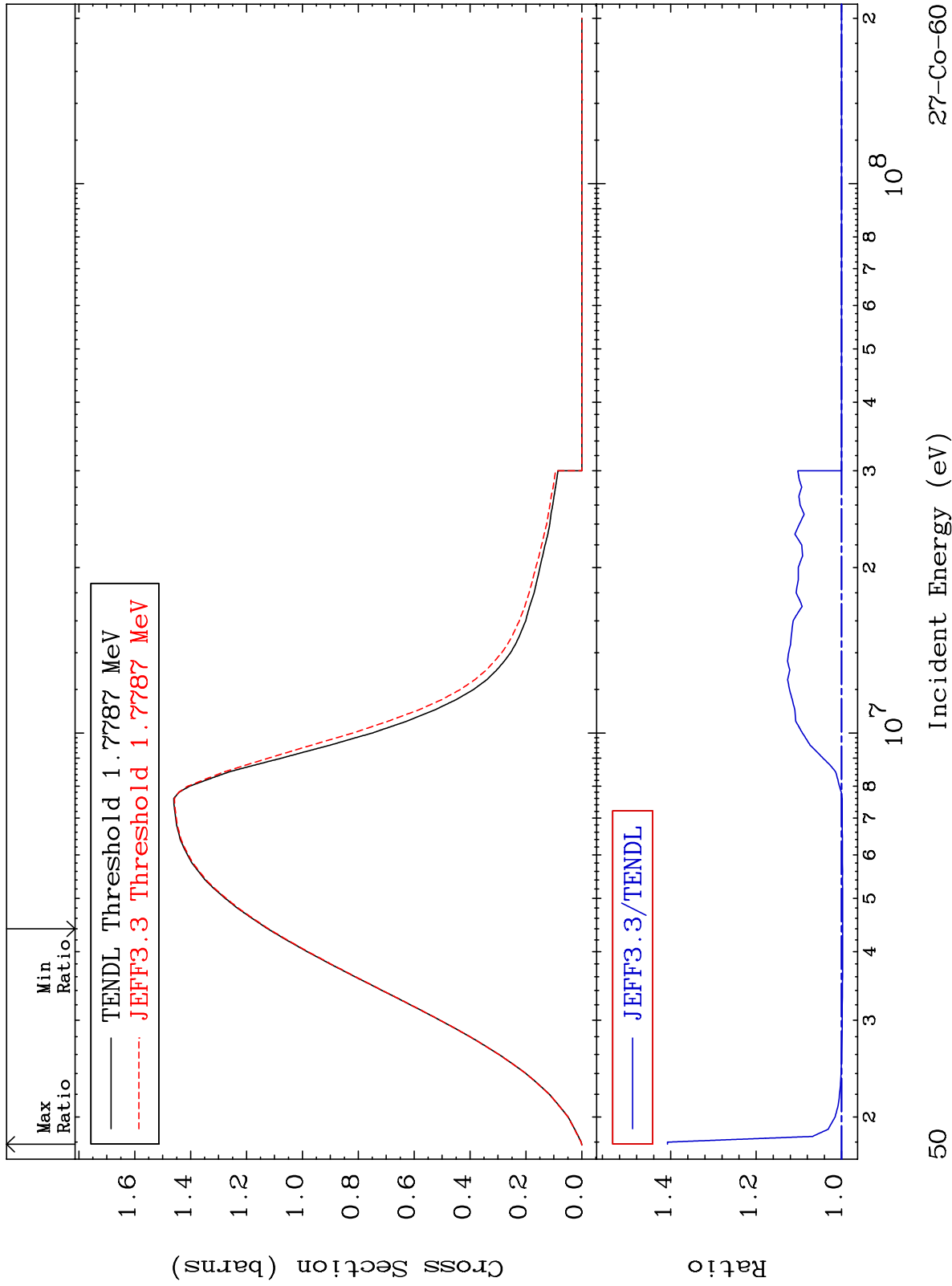
27-Co-60
-2.702 To 0.000 %



MAT 2728

(n,n') Continuum
Cross Section

27-Co-60
-0.275 To 40.76 %



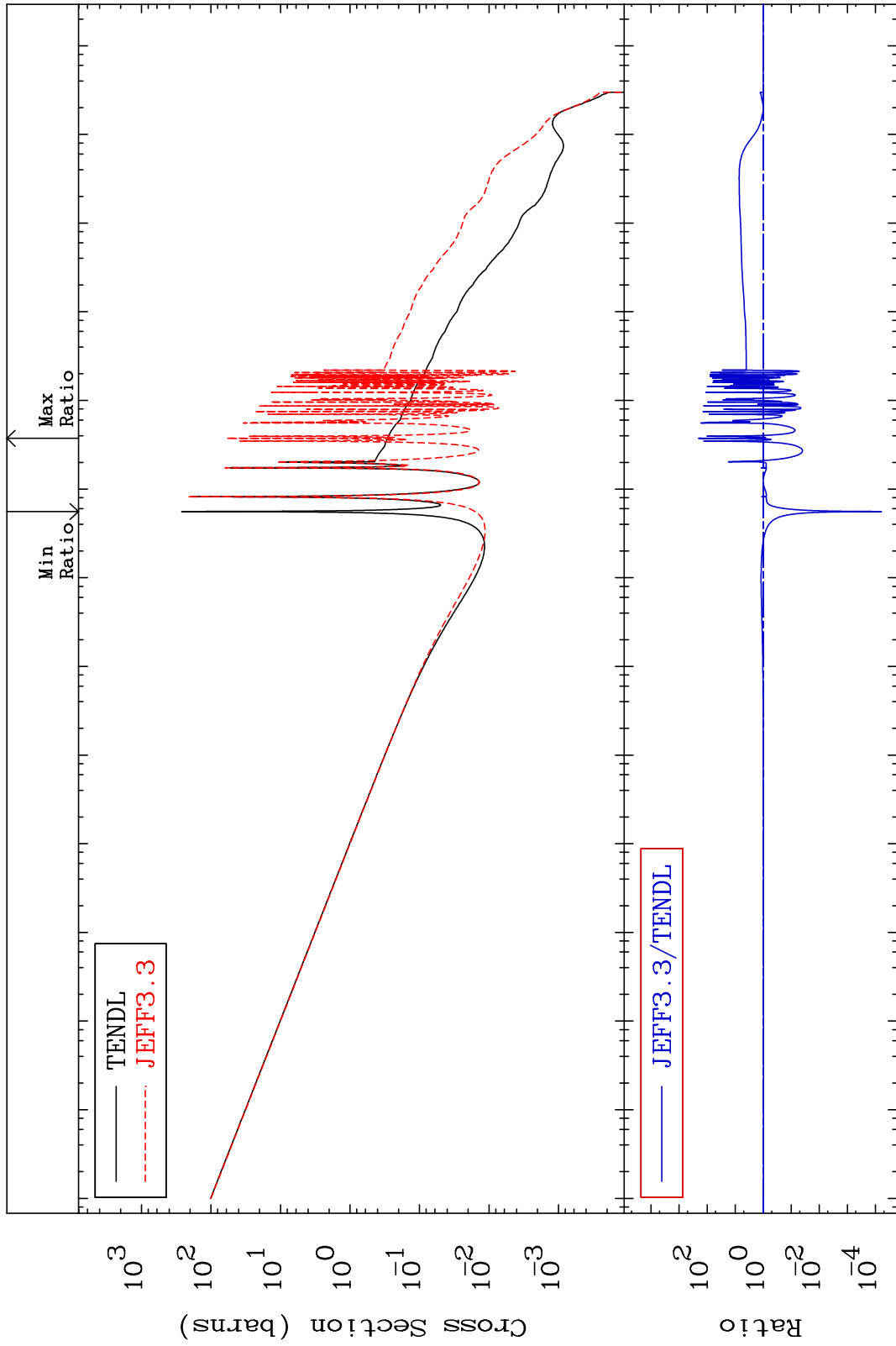
MAT 2728

(n, γ)

27-Co-60

Cross Section

-99.99 To 9999. %



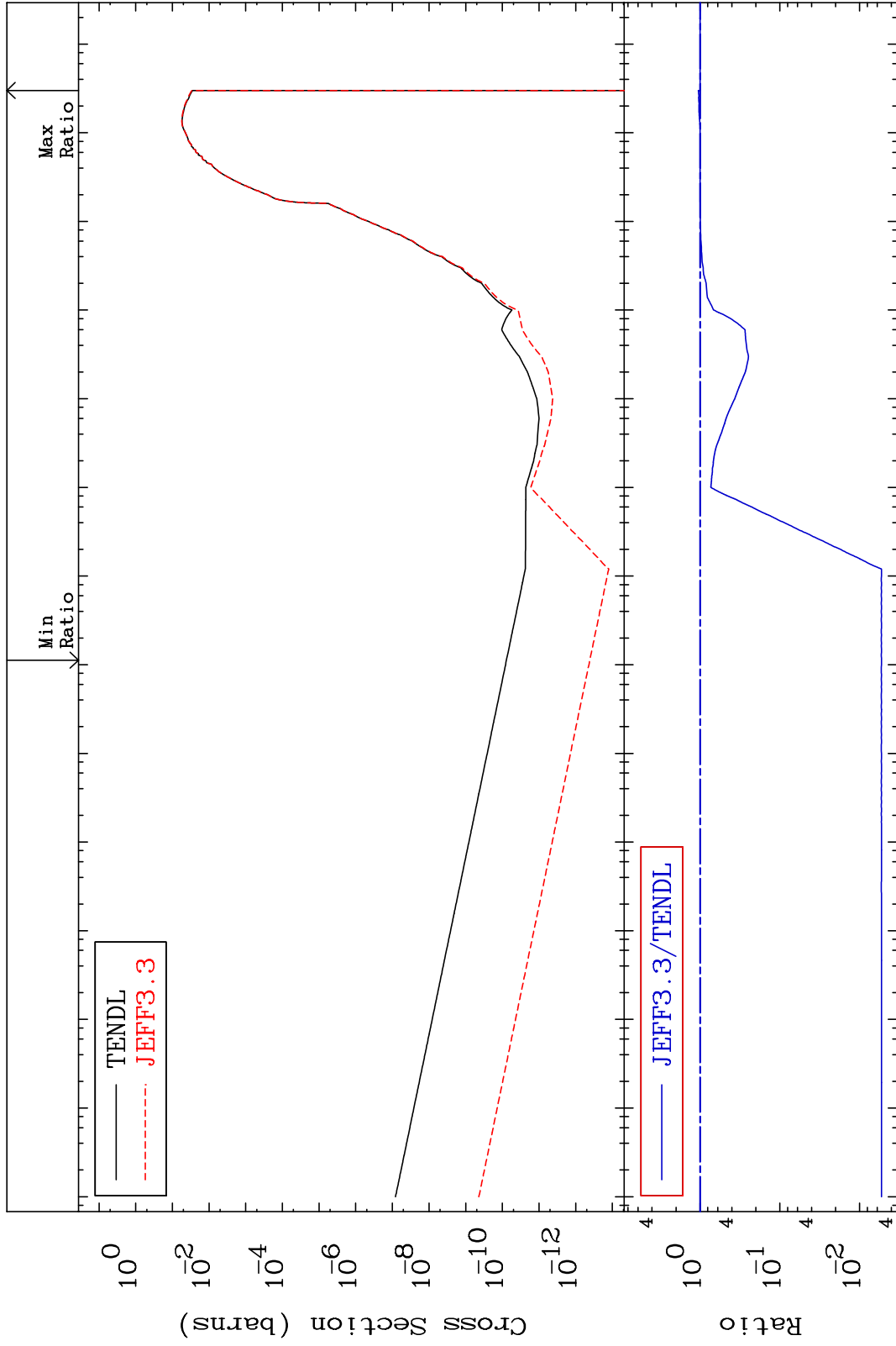
Incident Energy (eV) 27-Co-60

MAT 2728

(n,p)

Cross Section

27-Co-60
-99.47 To 4.989 %



Incident Energy (eV) 27-Co-60

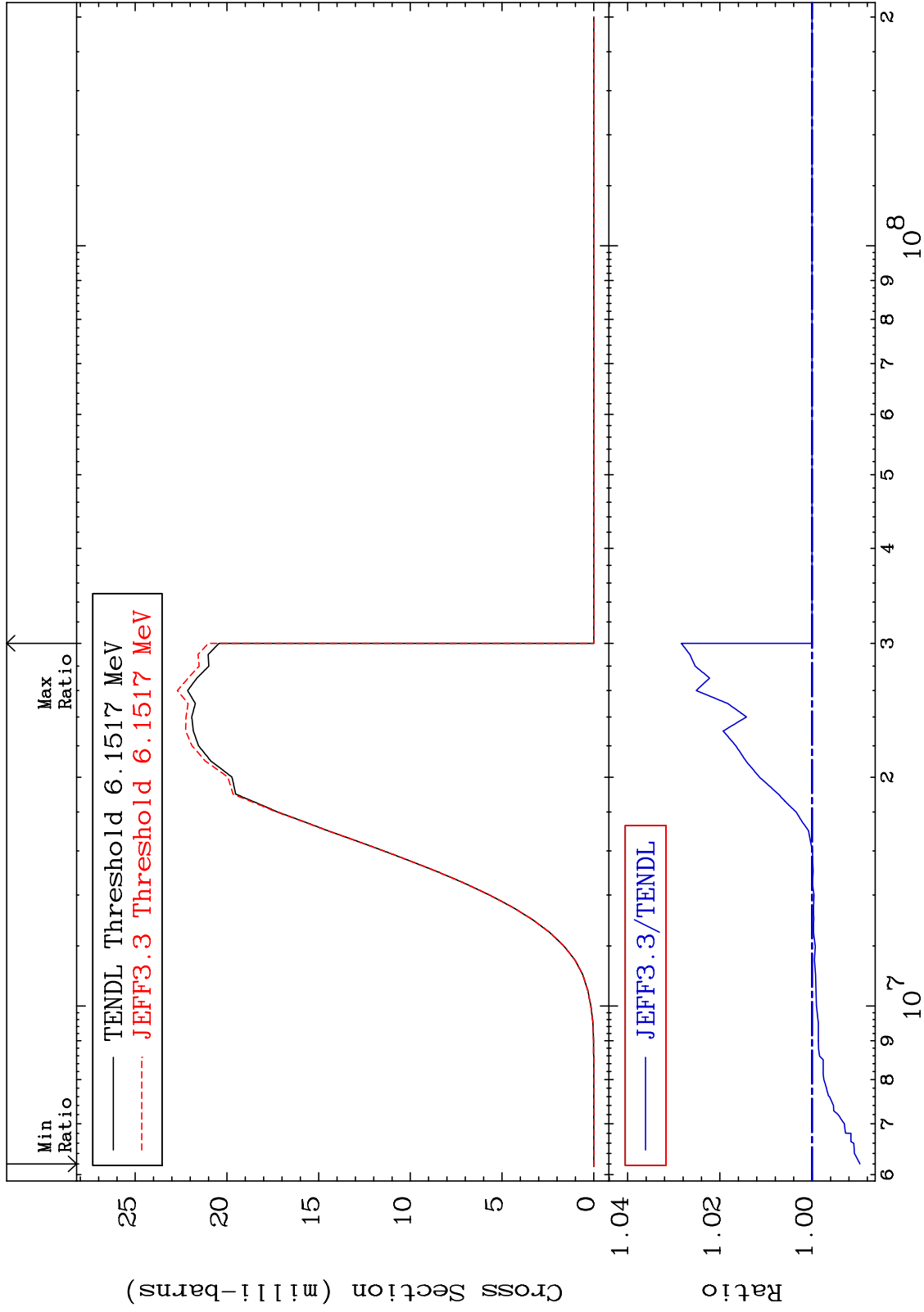
MAT 2728

(n, d)

²⁷Co-60

-1.038 To 2.839 %

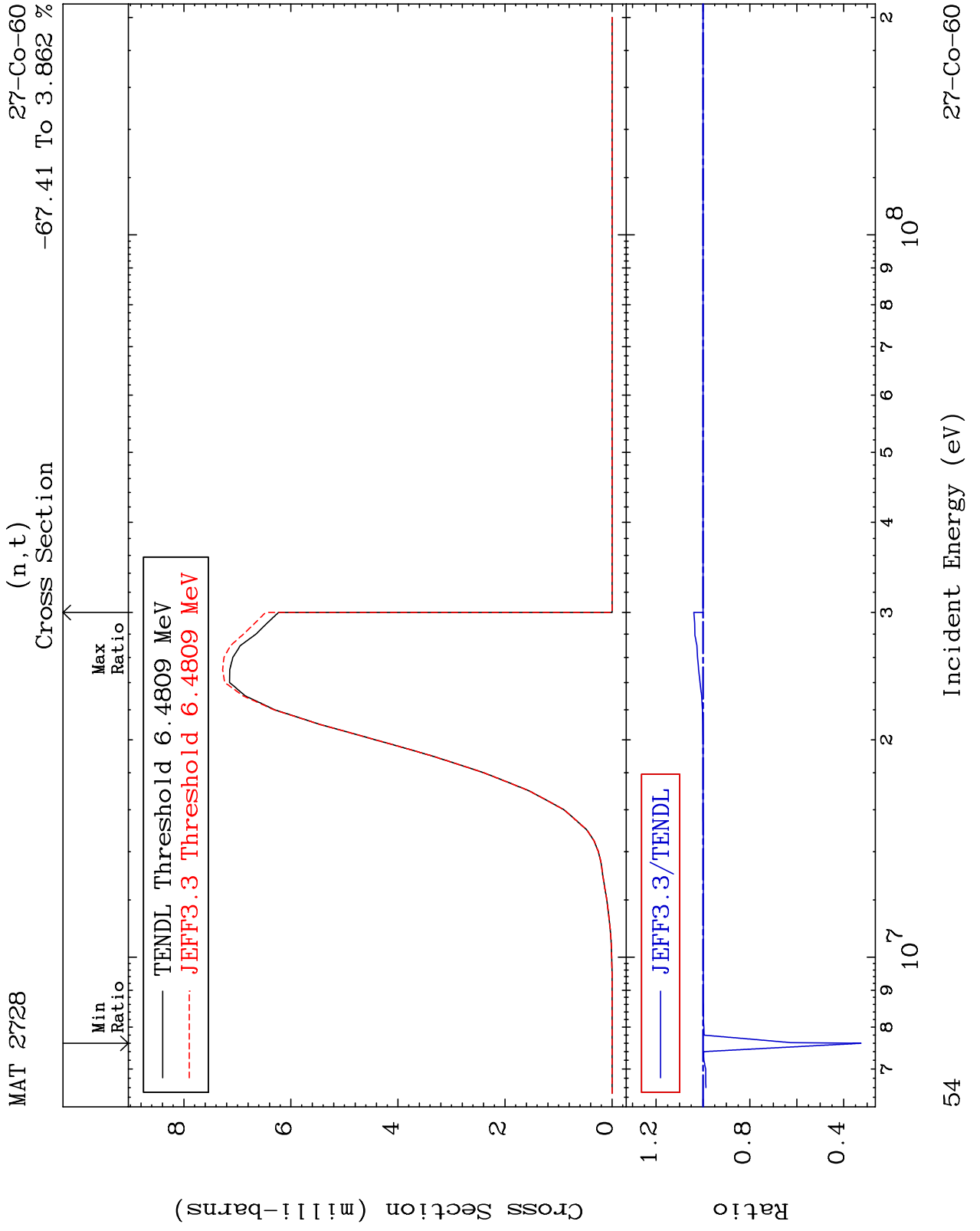
Cross Section



53

Incident Energy (eV)

²⁷Co-60



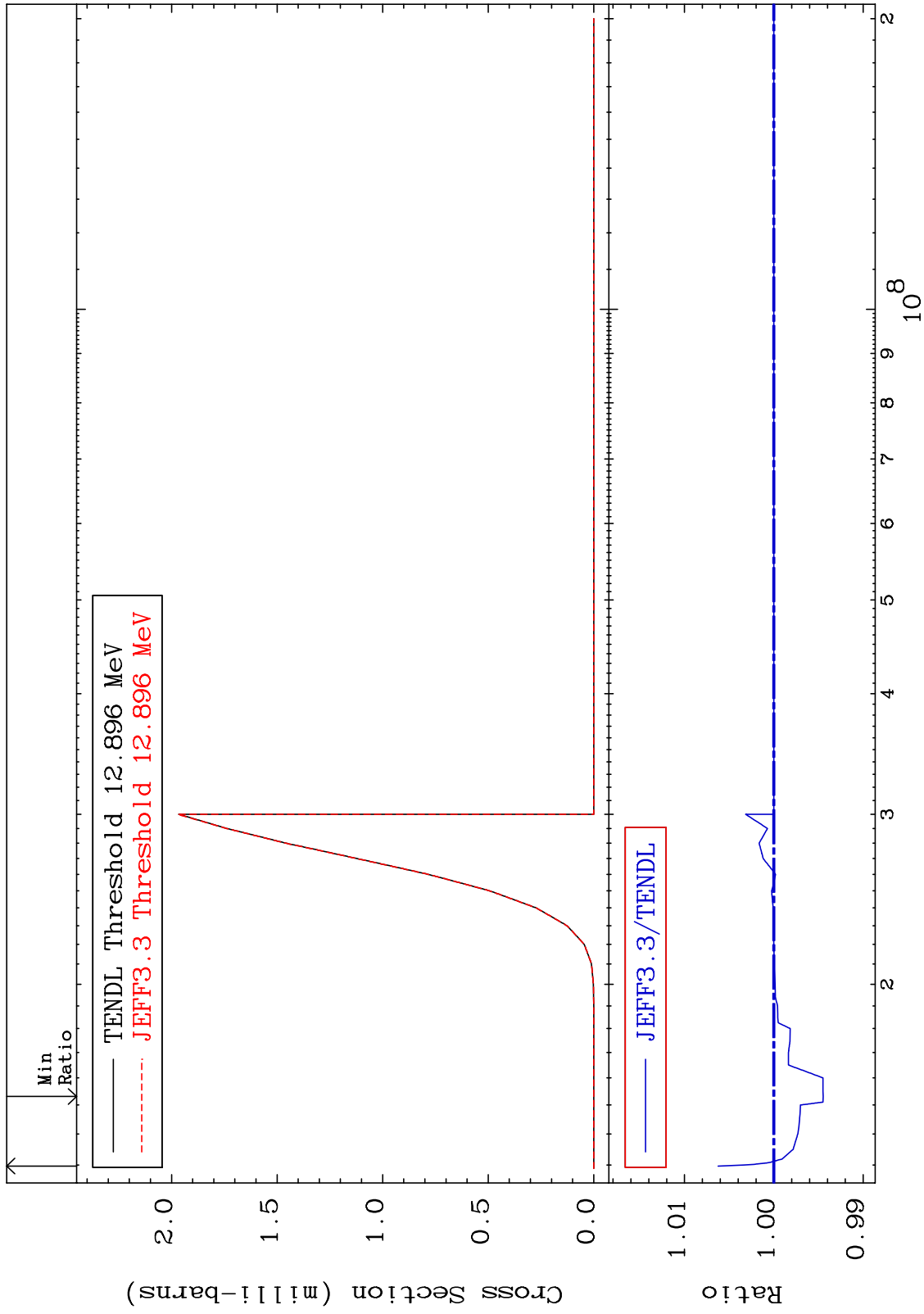
MAT 2728

(n, He-3)

27-Co-60

Cross Section

-0.551 To 0.624 %



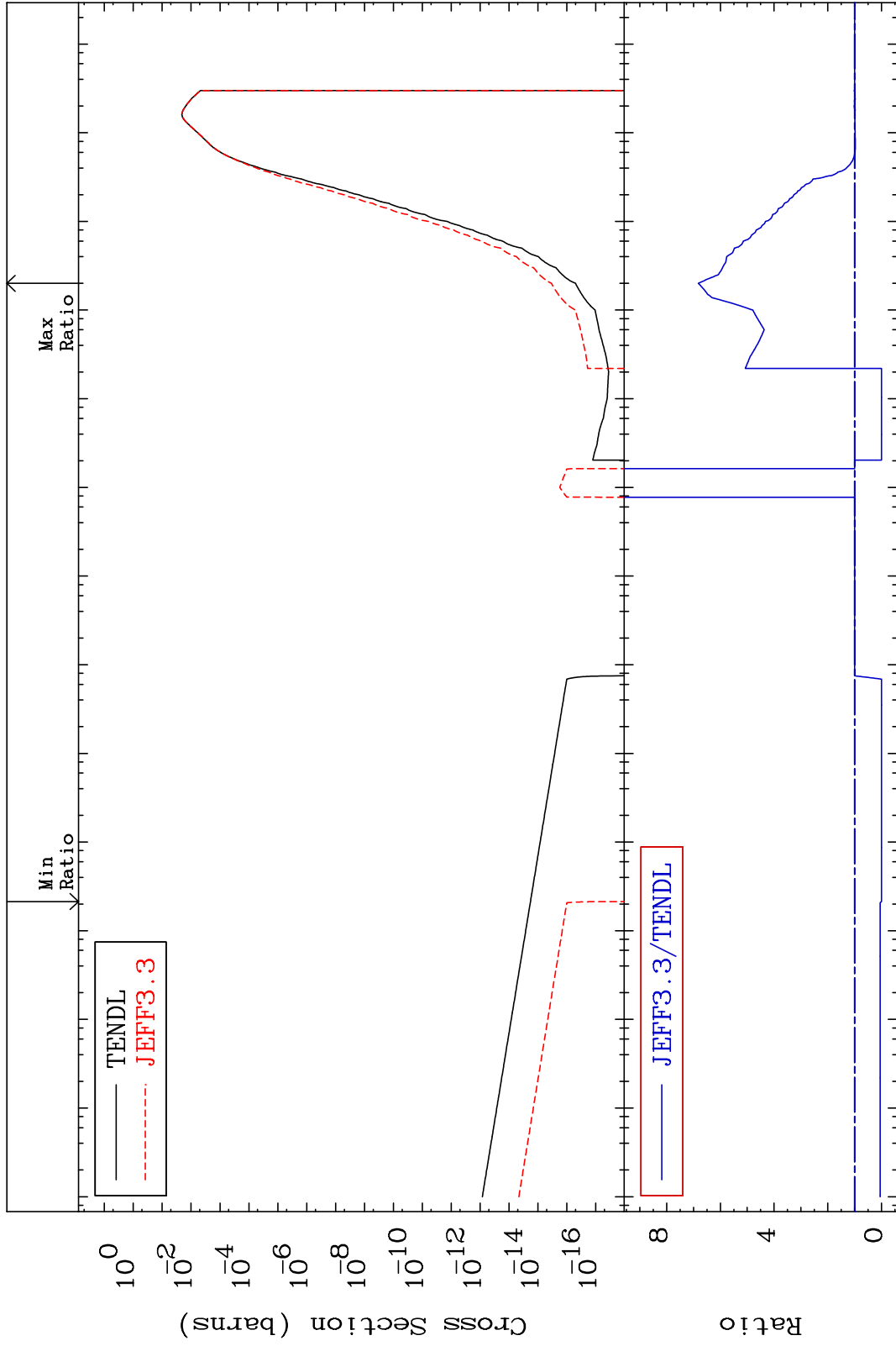
MAT 2728

(n, α)

27-Co-60

Cross Section

-100.0 To 581.9 %



Incident Energy (eV) 27-Co-60

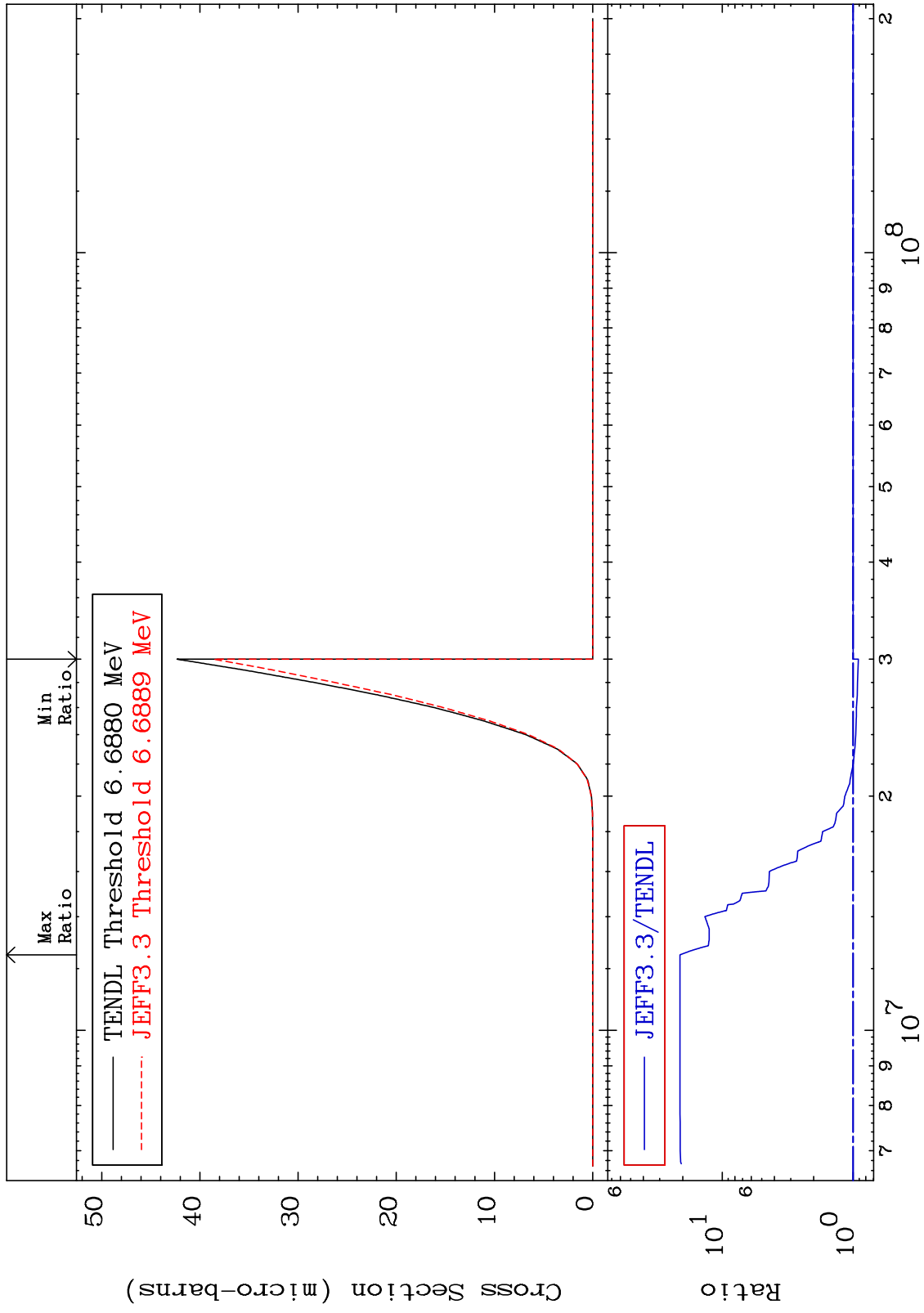
MAT 2728

(n, 2α)

27-Co-60

Cross Section

-8.844 To 2001. %



57

Incident Energy (eV)

27-Co-60

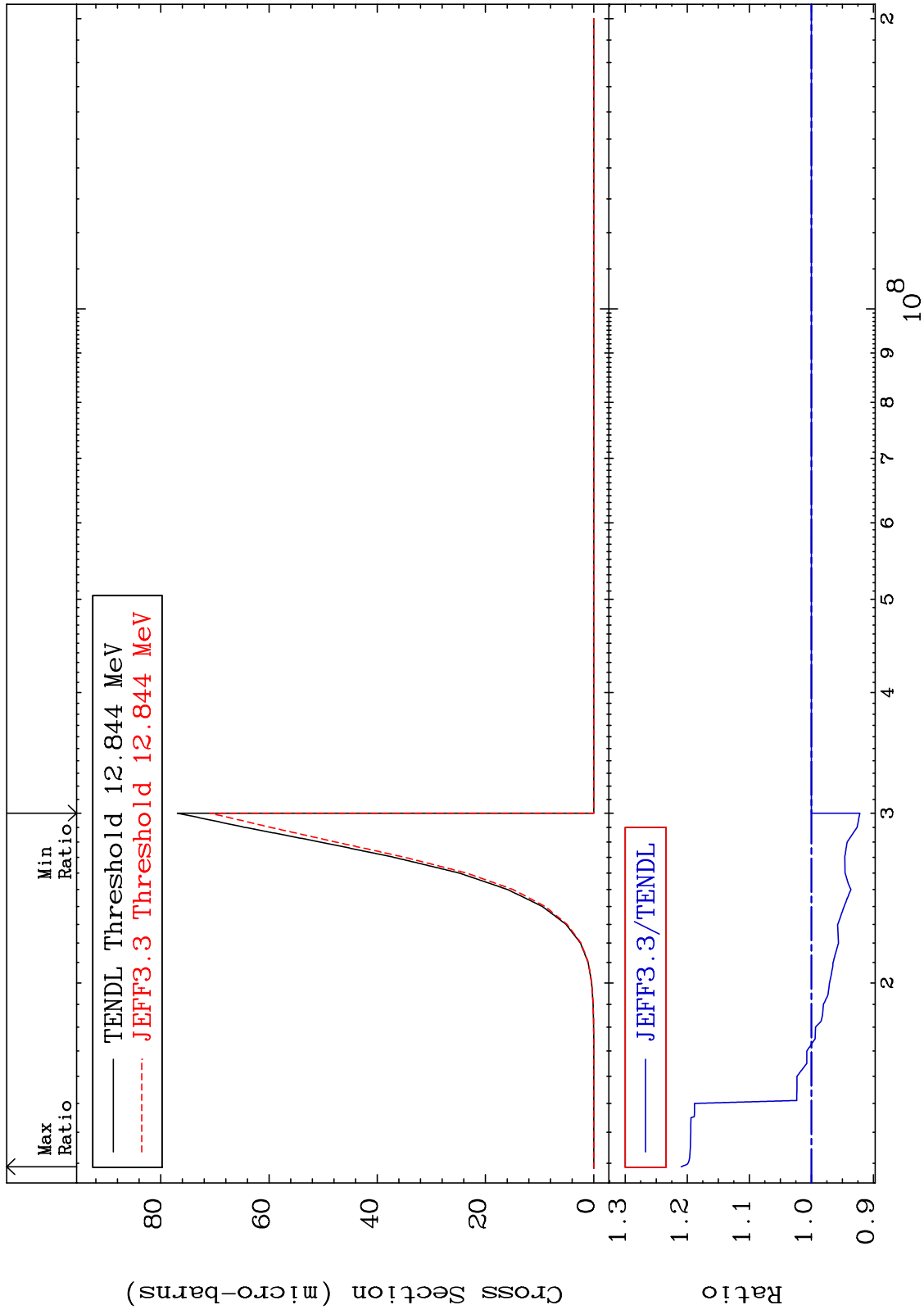
MAT 2728

(n,2p)

²⁷Co-60

Cross Section

-7.835 To 20.98 %



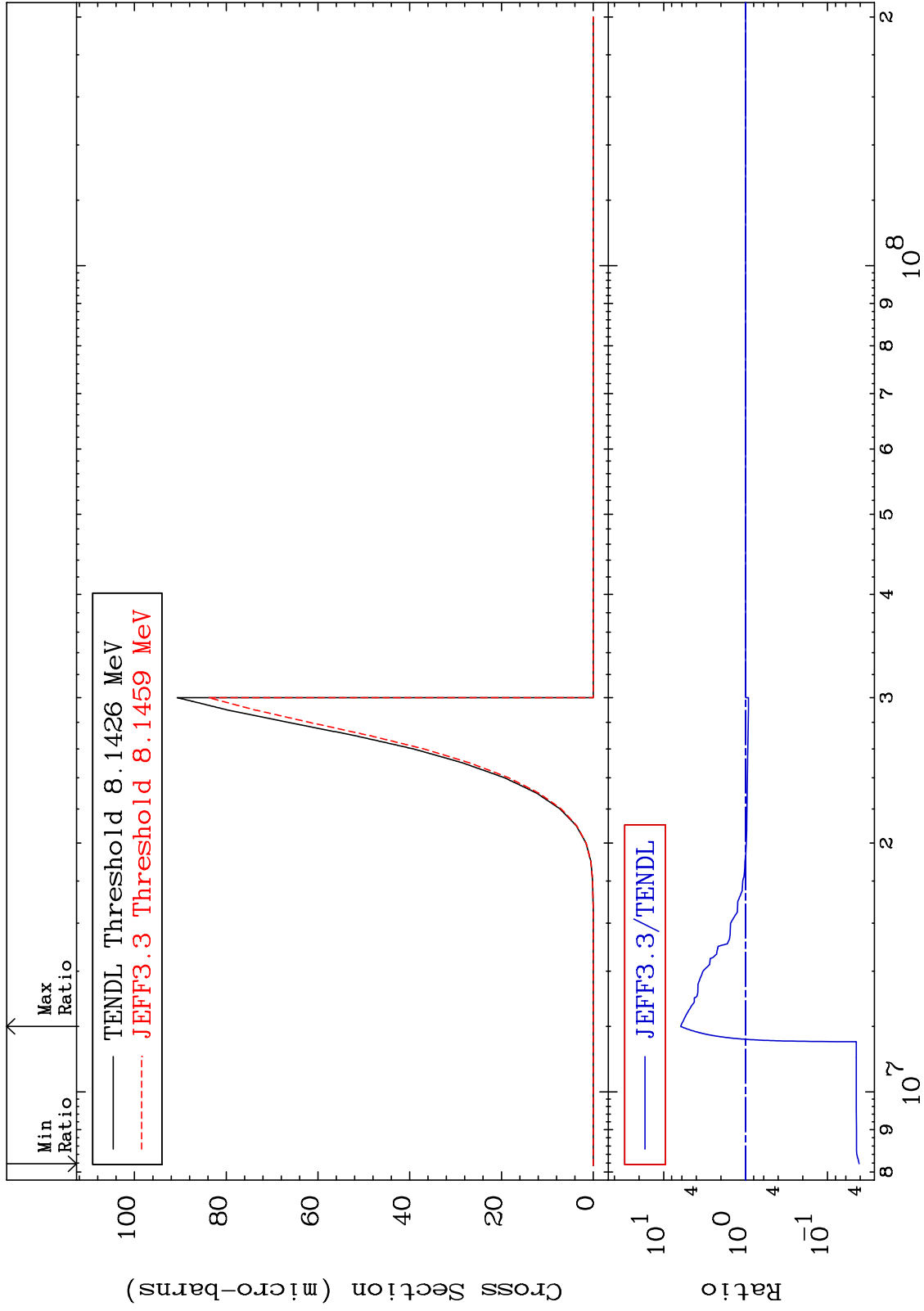
MAT 2728

(n,p) α

27-Co-60

Cross Section

-95.89 To 522.1 %



59

Incident Energy (eV)

27-Co-60

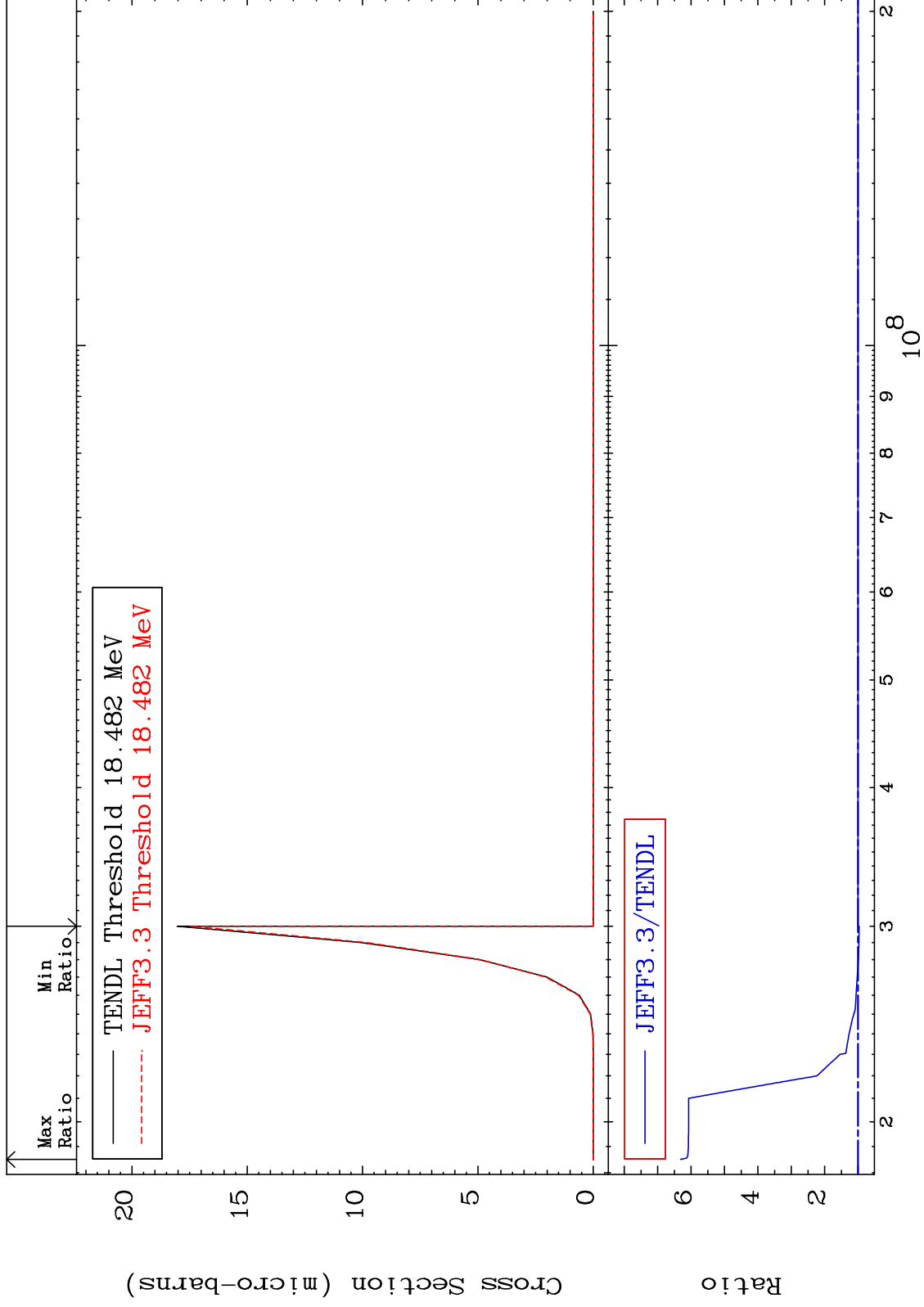
MAT 2728

(n,p) d

27-Co-60

Cross Section

-3.128 To 531.3 %



60

Incident Energy (eV)

27-Co-60

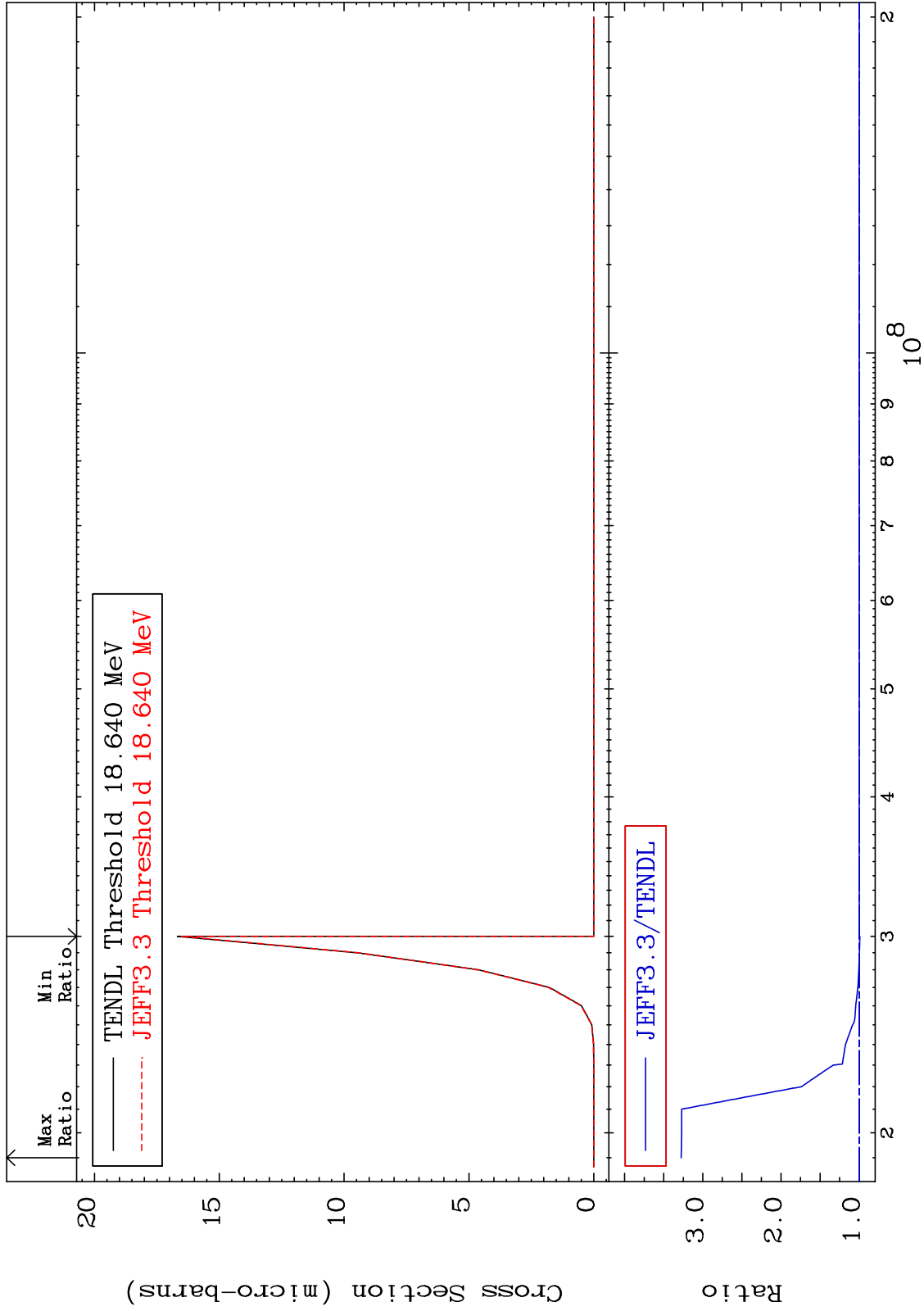
MAT 2728

(n,p) t

²⁷Co-60

Cross Section

-0.986 To 227.6 %



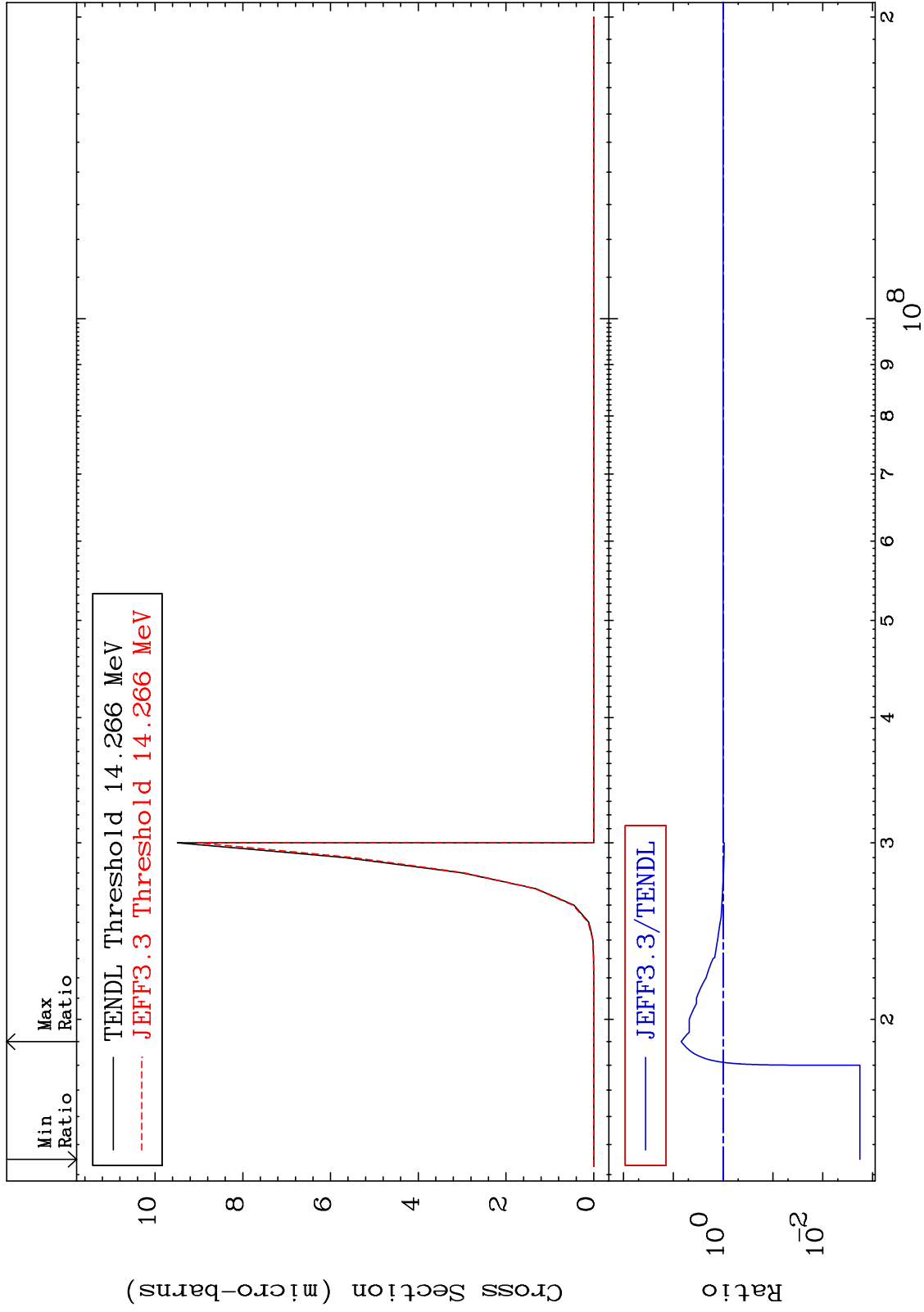
MAT 2728

(n,d) α

²⁷Co-60

Cross Section

-99.82 To 592.7 %



62

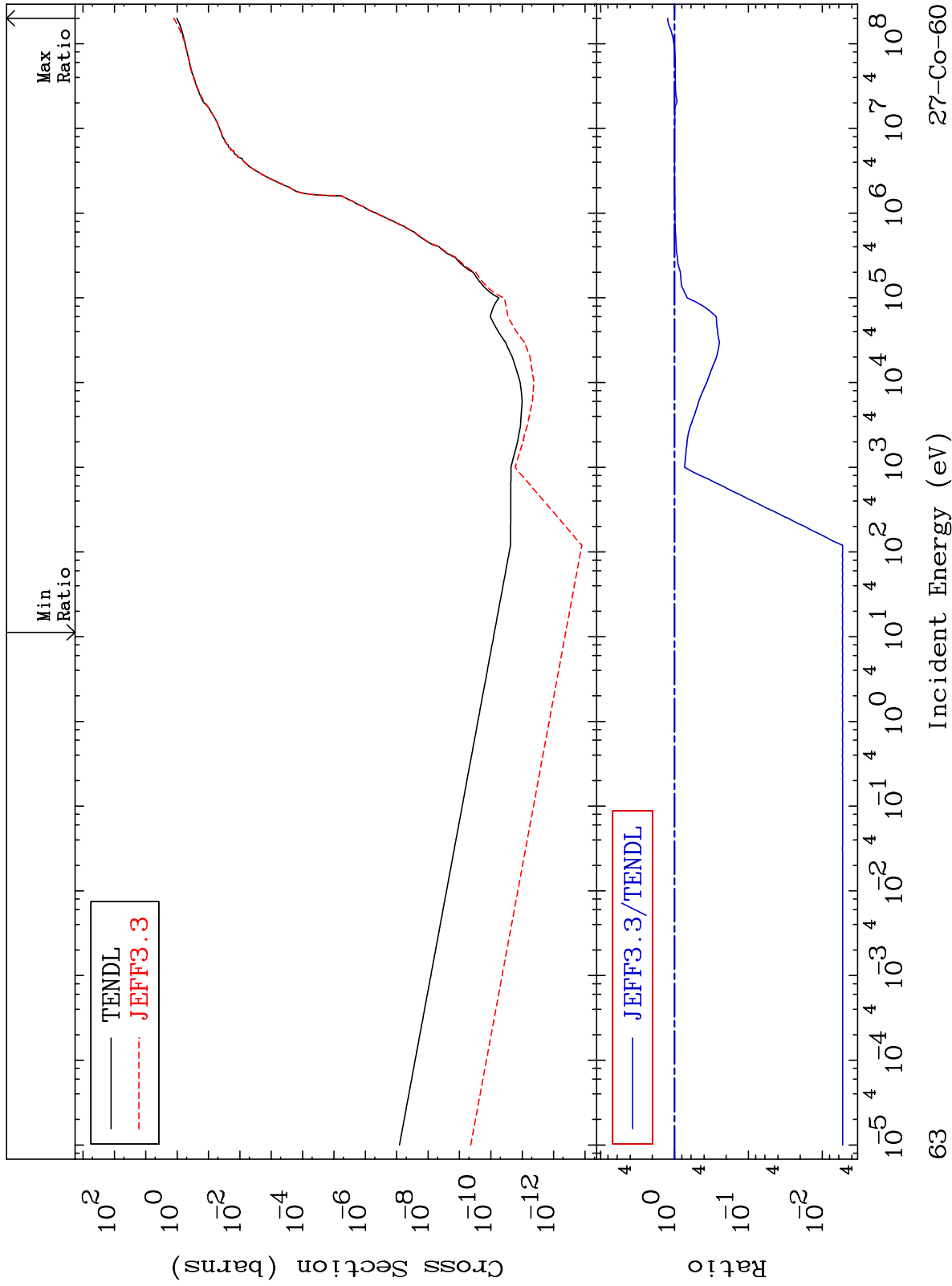
²⁷Co-60

Incident Energy (eV)

MAT 2728

Hydrogen Production
Cross Section

27-Co-60
-99.47 To 24.62 %



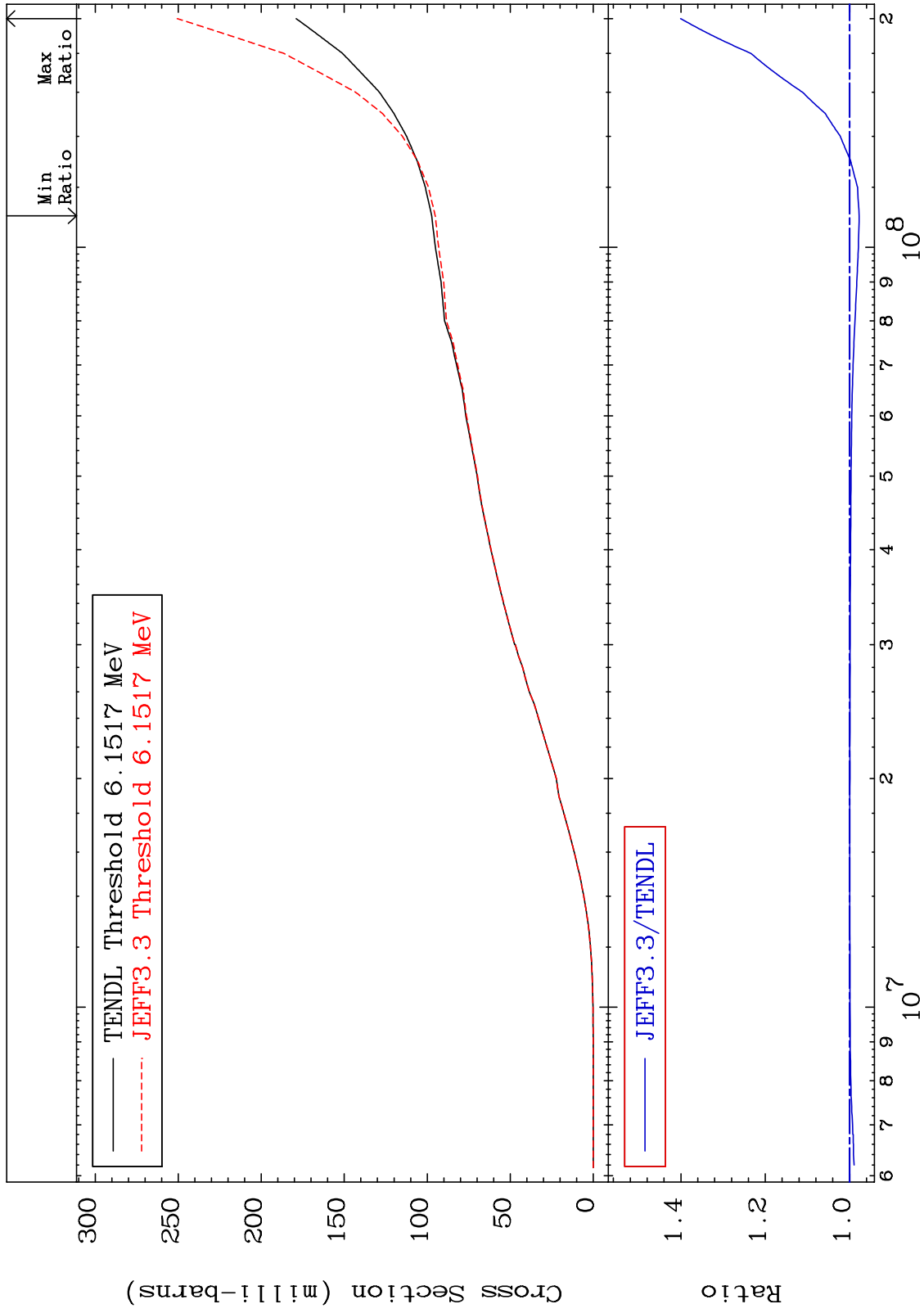
63

27-Co-60

MAT 2728

Deuterium Production
Cross Section

$^{27}\text{Co-60}$
-2.253 To 40.07 %



64

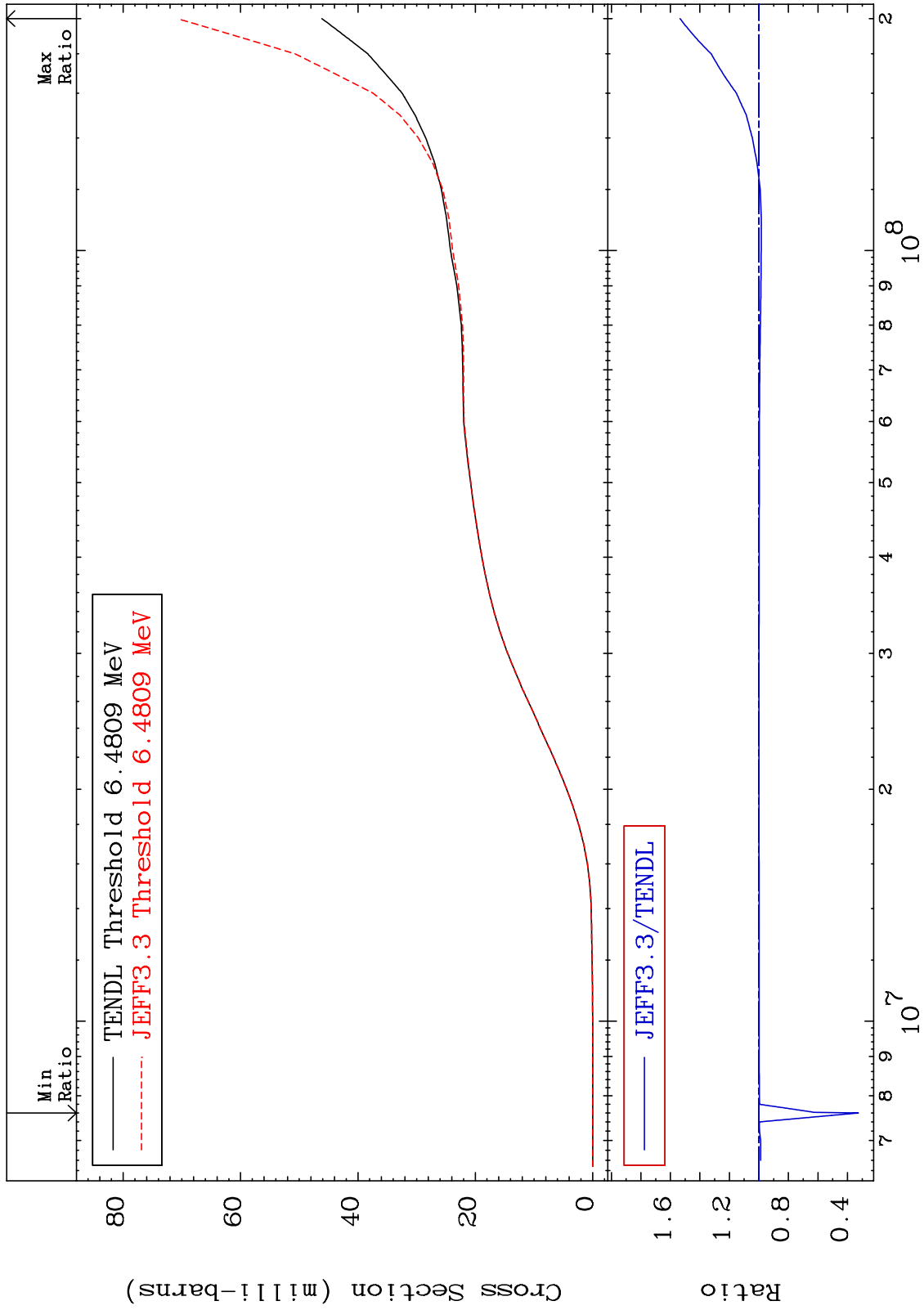
Incident Energy (eV)

$^{27}\text{Co-60}$

MAT 2728

Tritium Production
Cross Section

$^{27}\text{Co-60}$
-67.41 To 53.48 %



65

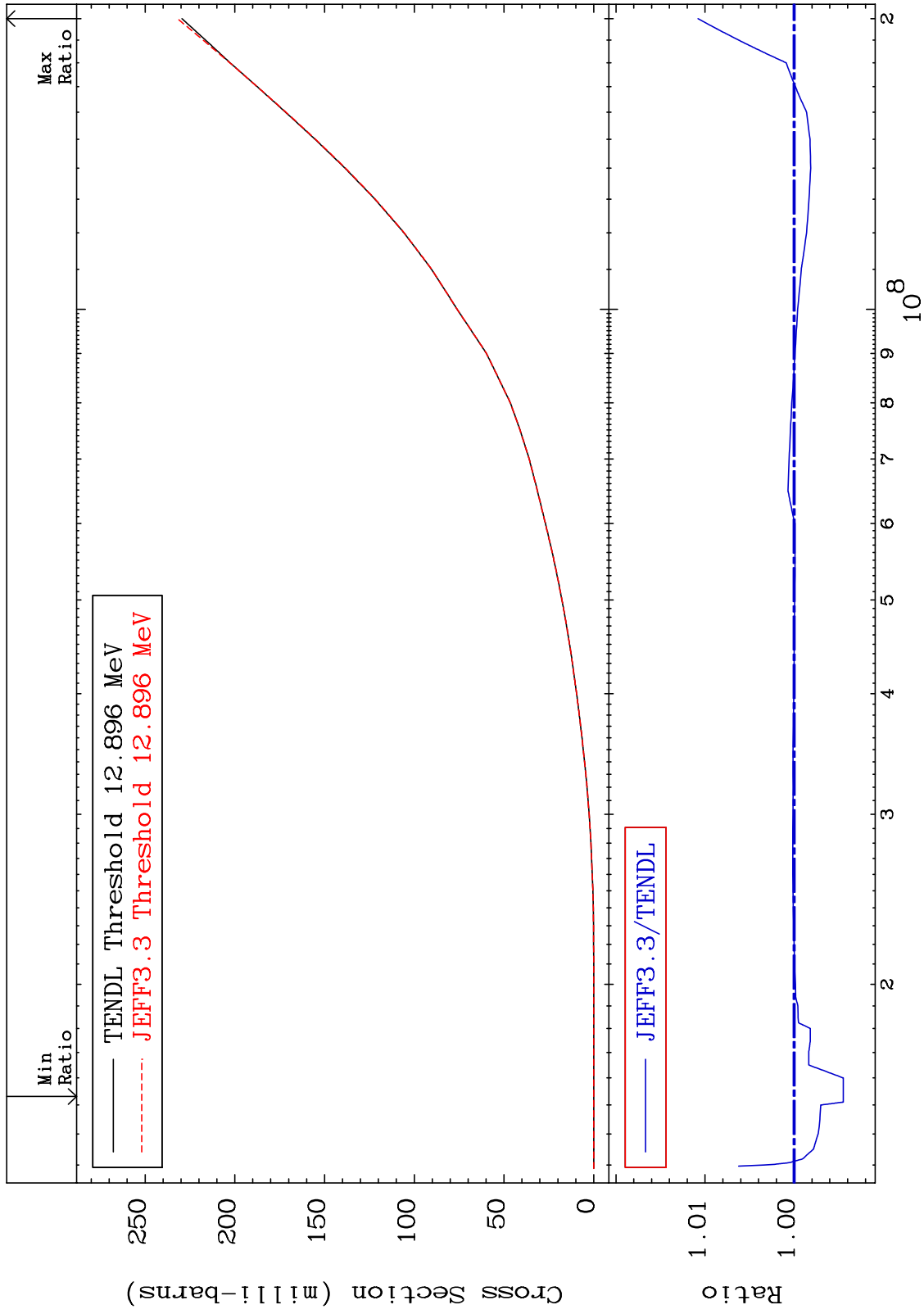
Incident Energy (eV)

$^{27}\text{Co-60}$

MAT 2728

He-3 Production
Cross Section

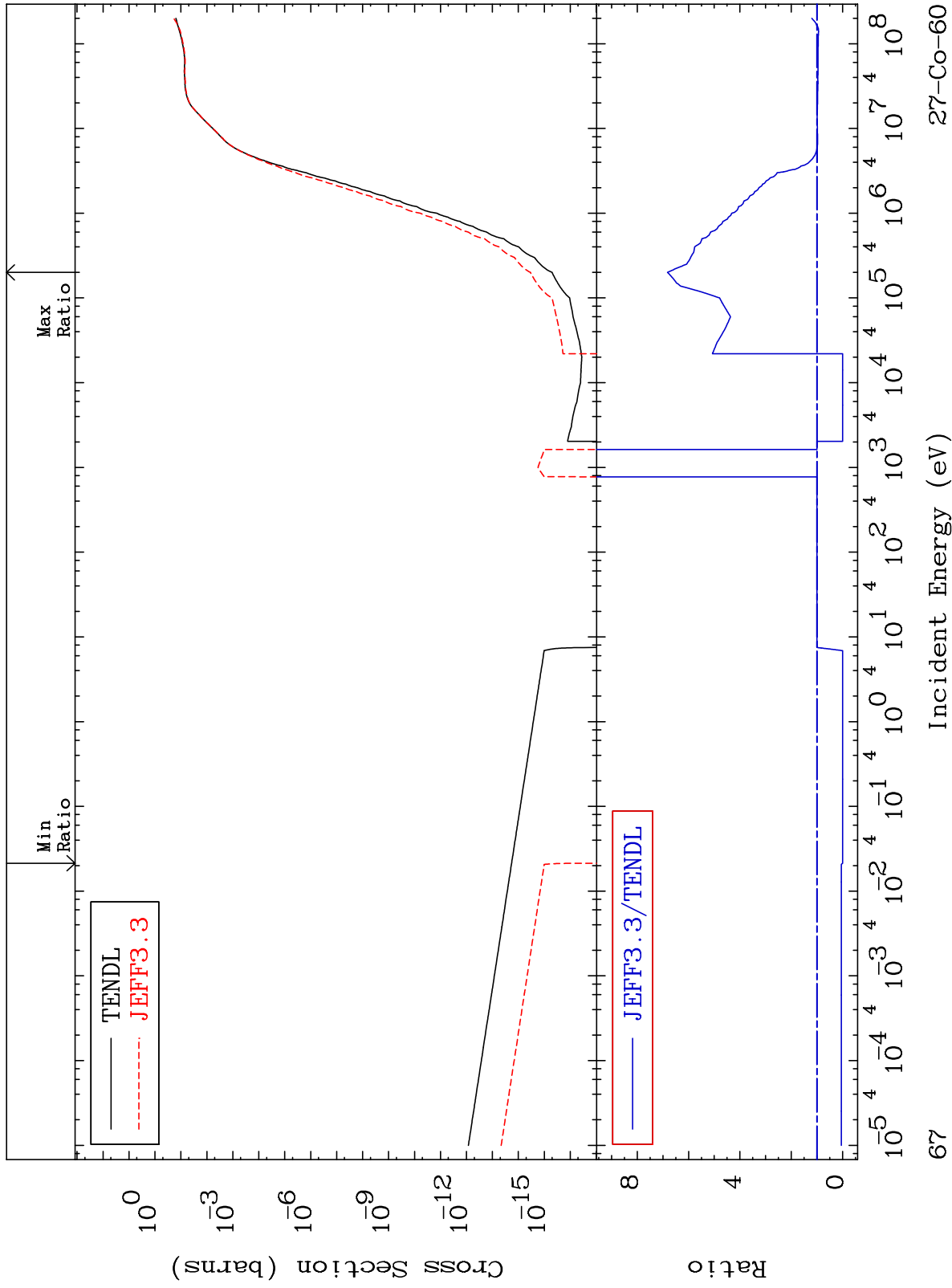
27-Co-60
-0.551 To 1.081 %



MAT 2728

He-4 Production
Cross Section

27-Co-60
-100.0 To 581.9 %



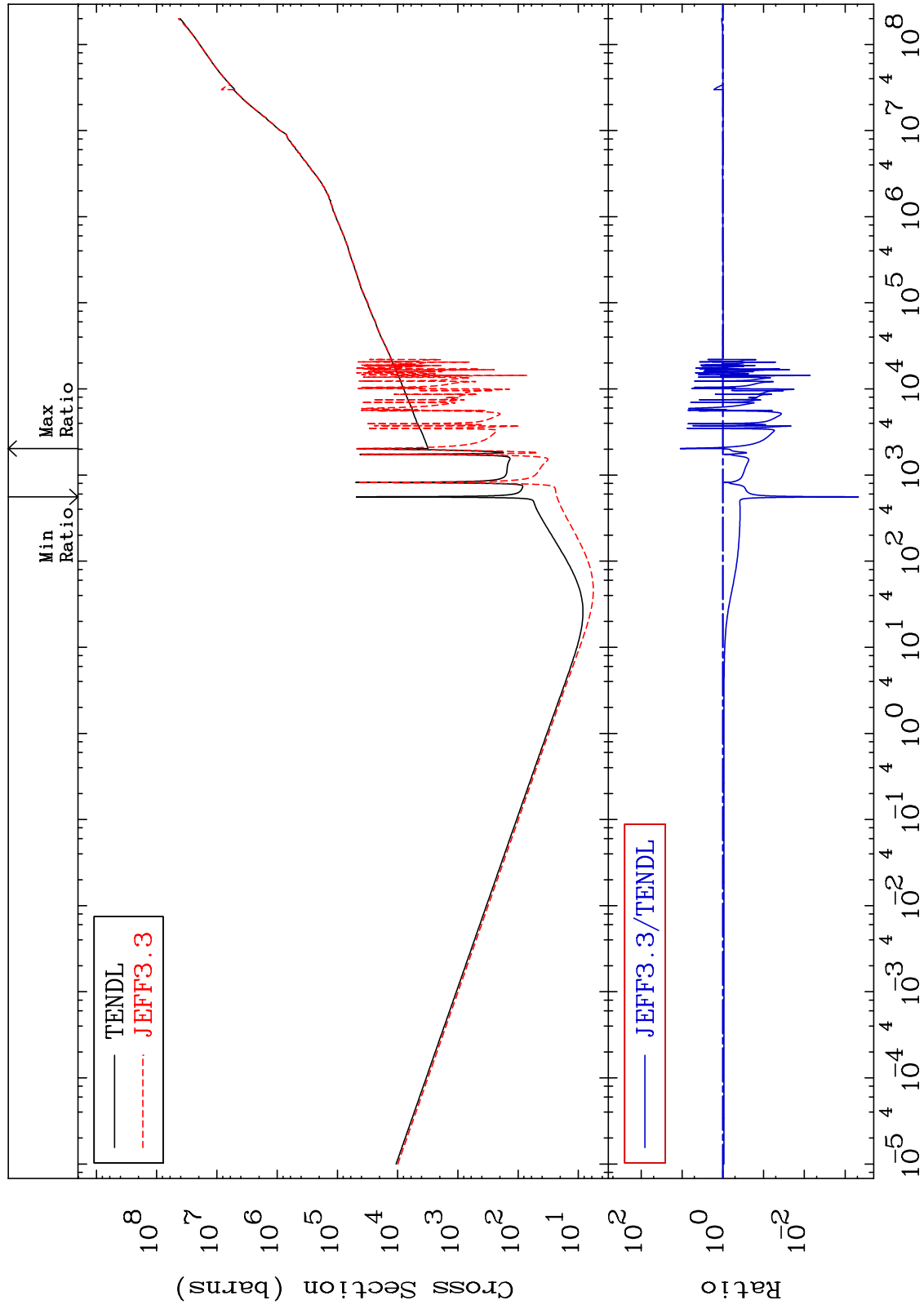
67

27-Co-60

MAT 2728

Kerma total (eV-barns)
Cross Section

27-Co-60
-99.95 To 993.9 %



68

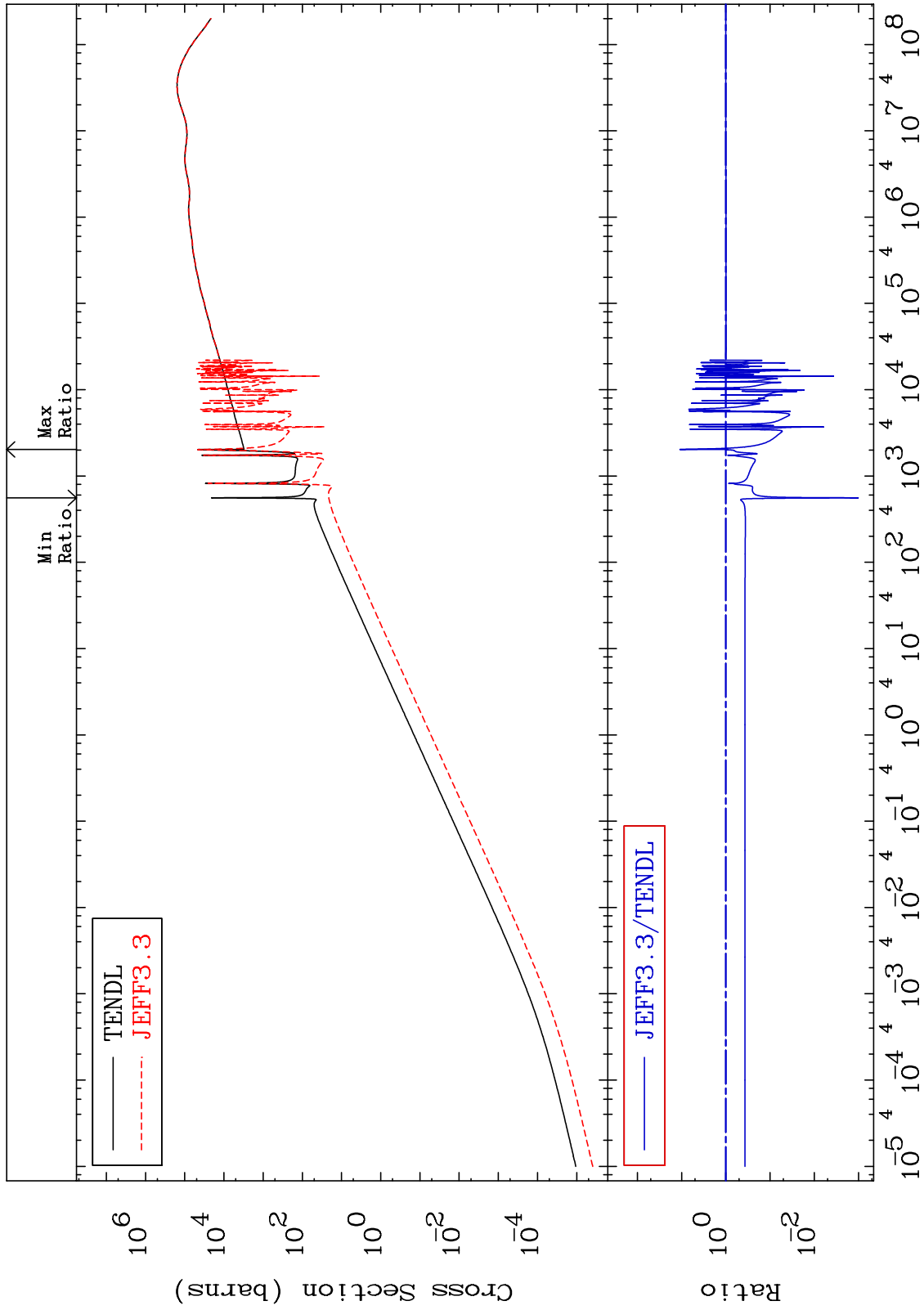
Incident Energy (eV)

27-Co-60

MAT 2728

Kerma elastic
Cross Section

27-Co-60
-99.90 To 985.8 %



69

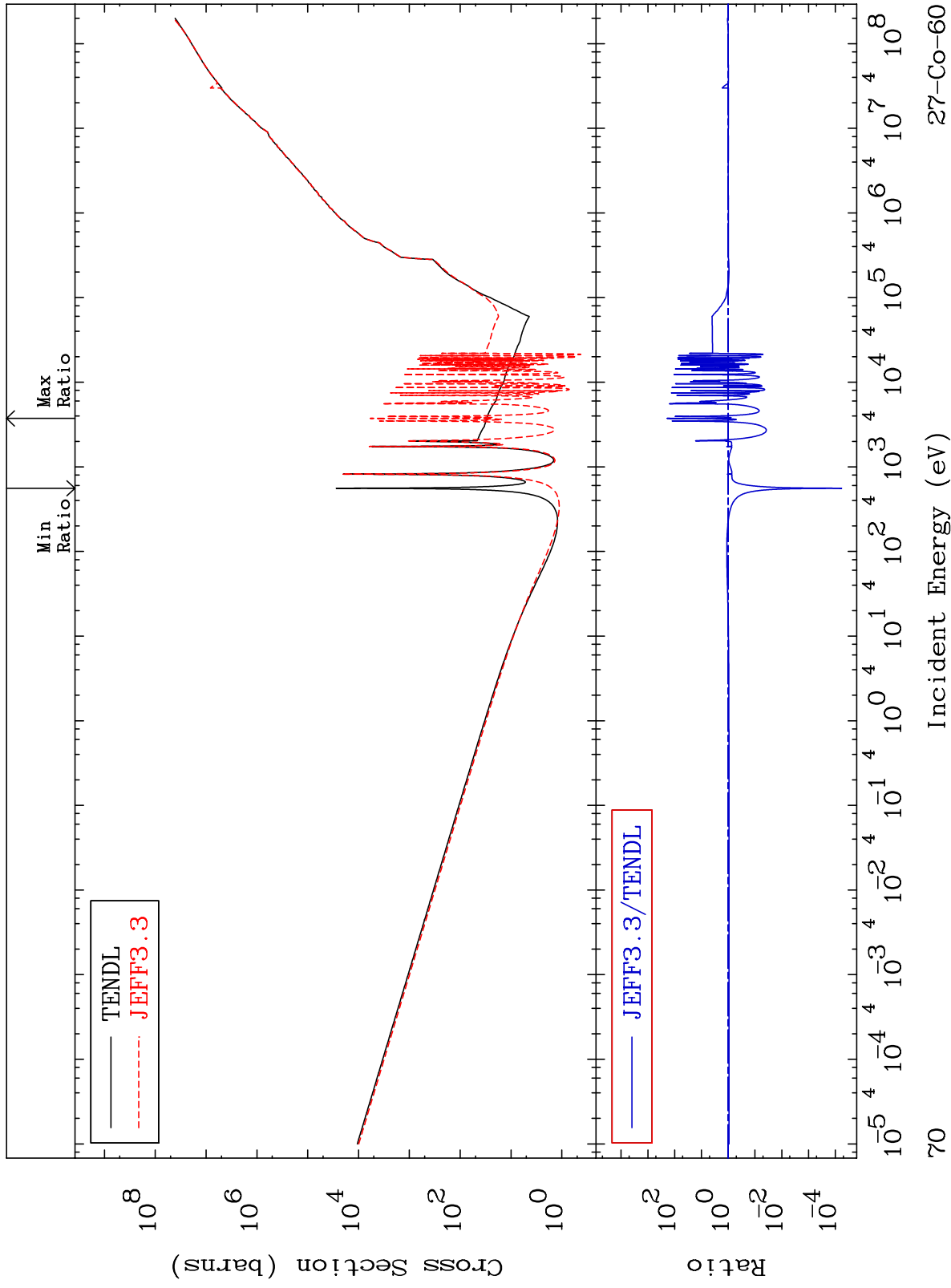
Incident Energy (eV)

27-Co-60

MAT 2728

Kerma non-elastic (all but mt2)
Cross Section

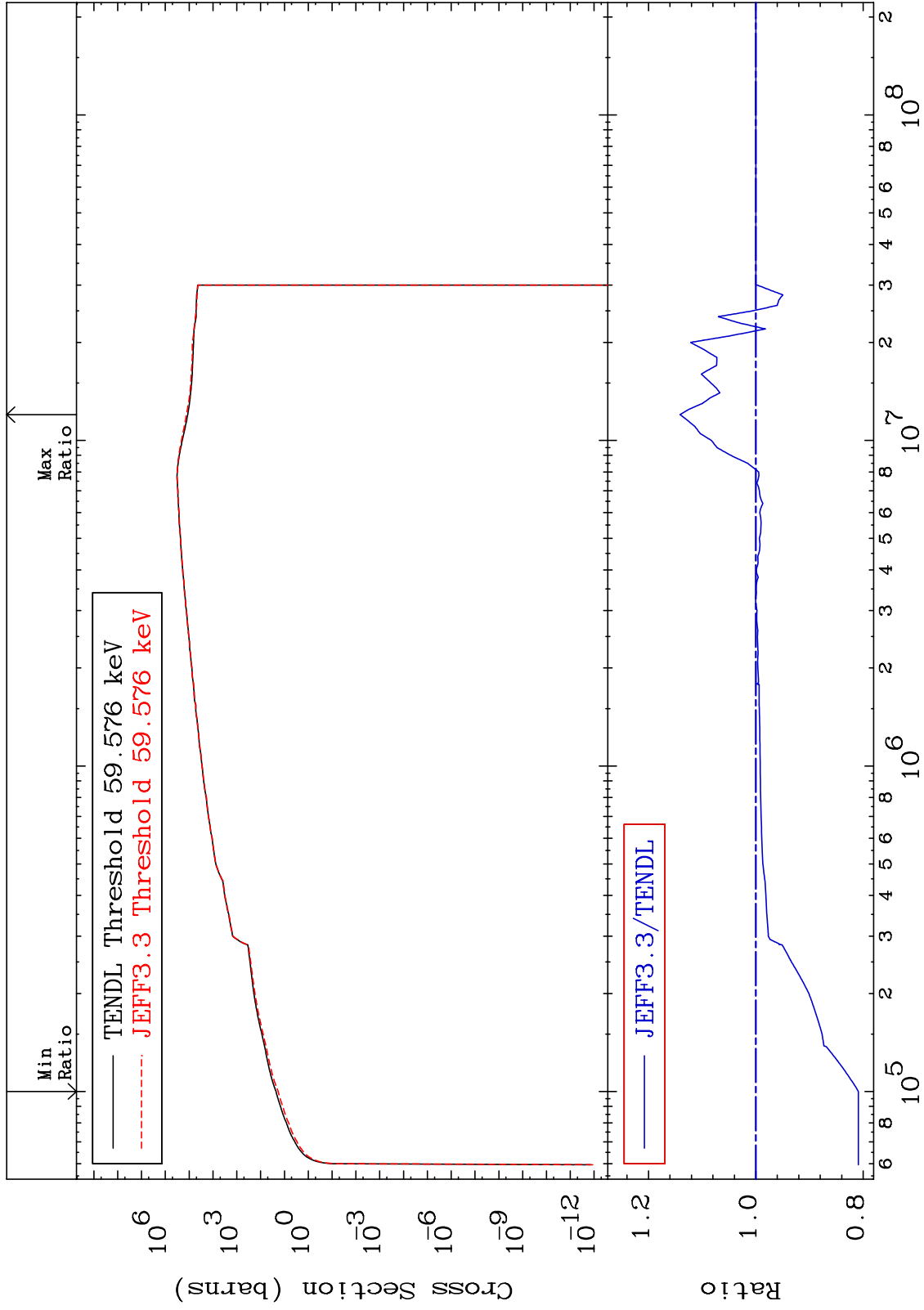
27-Co-60
-99.99 To 9999. %



MAT 2728

Kerma inelastic (mt51-91)
Cross Section

27-Co-60
-19.11 To 14.13 %



71

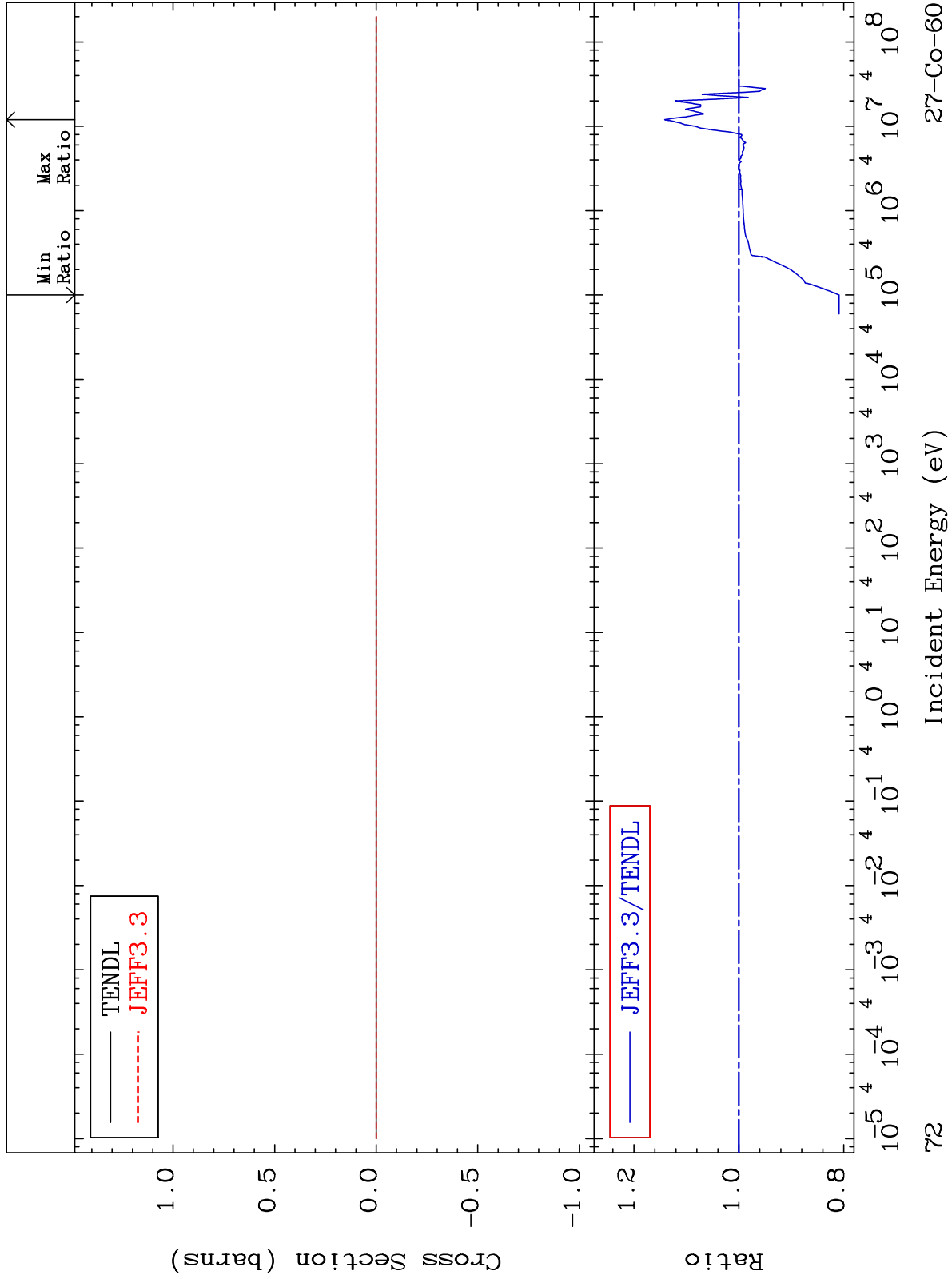
Incident Energy (eV)

27-Co-60

MAT 2728

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

27-Co-60
-19.11 To 14.13 %



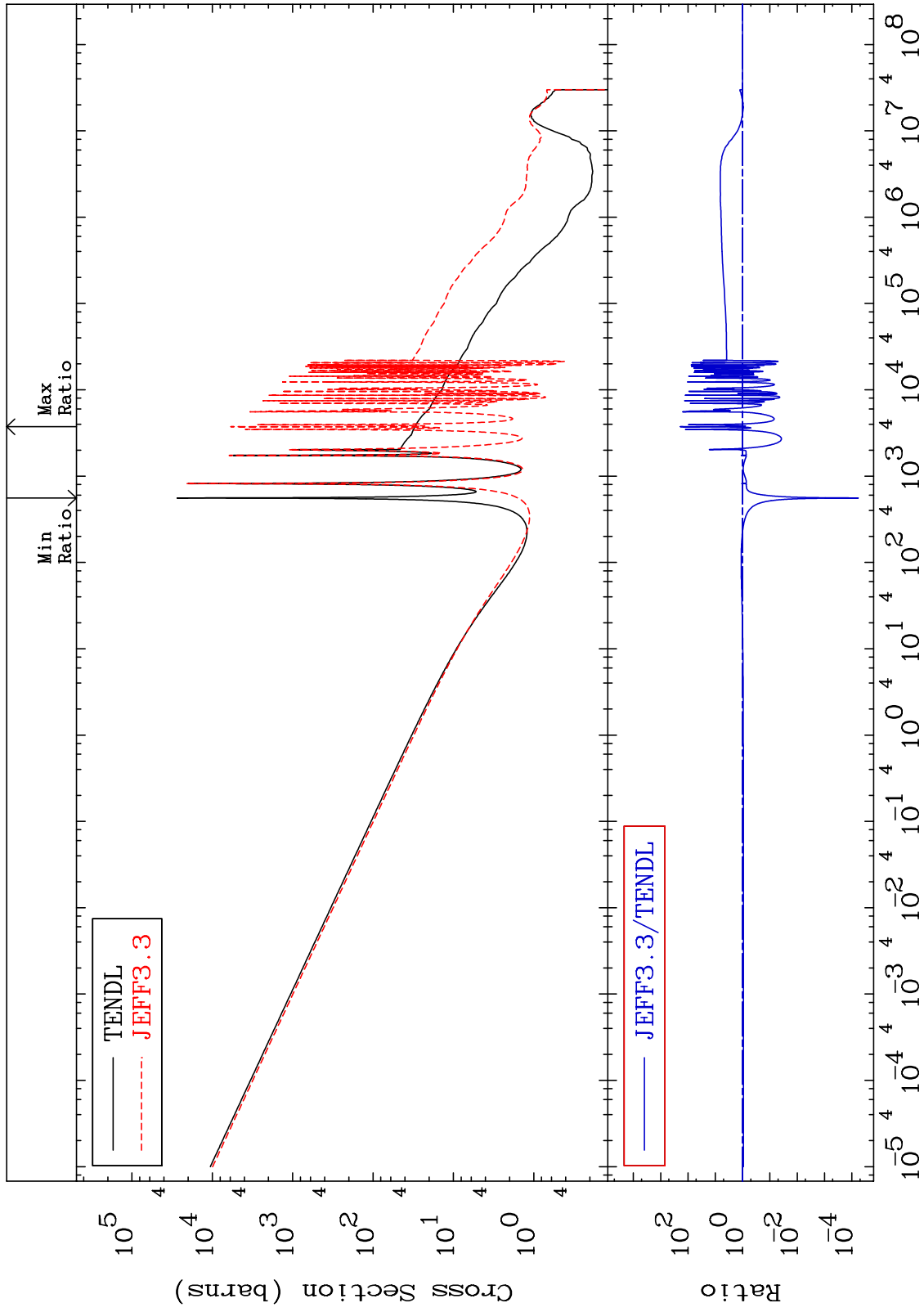
72

27-Co-60

MAT 2728

Kerma capture (mt102)
Cross Section

27-Co-60
-99.99 To 9999. %



73

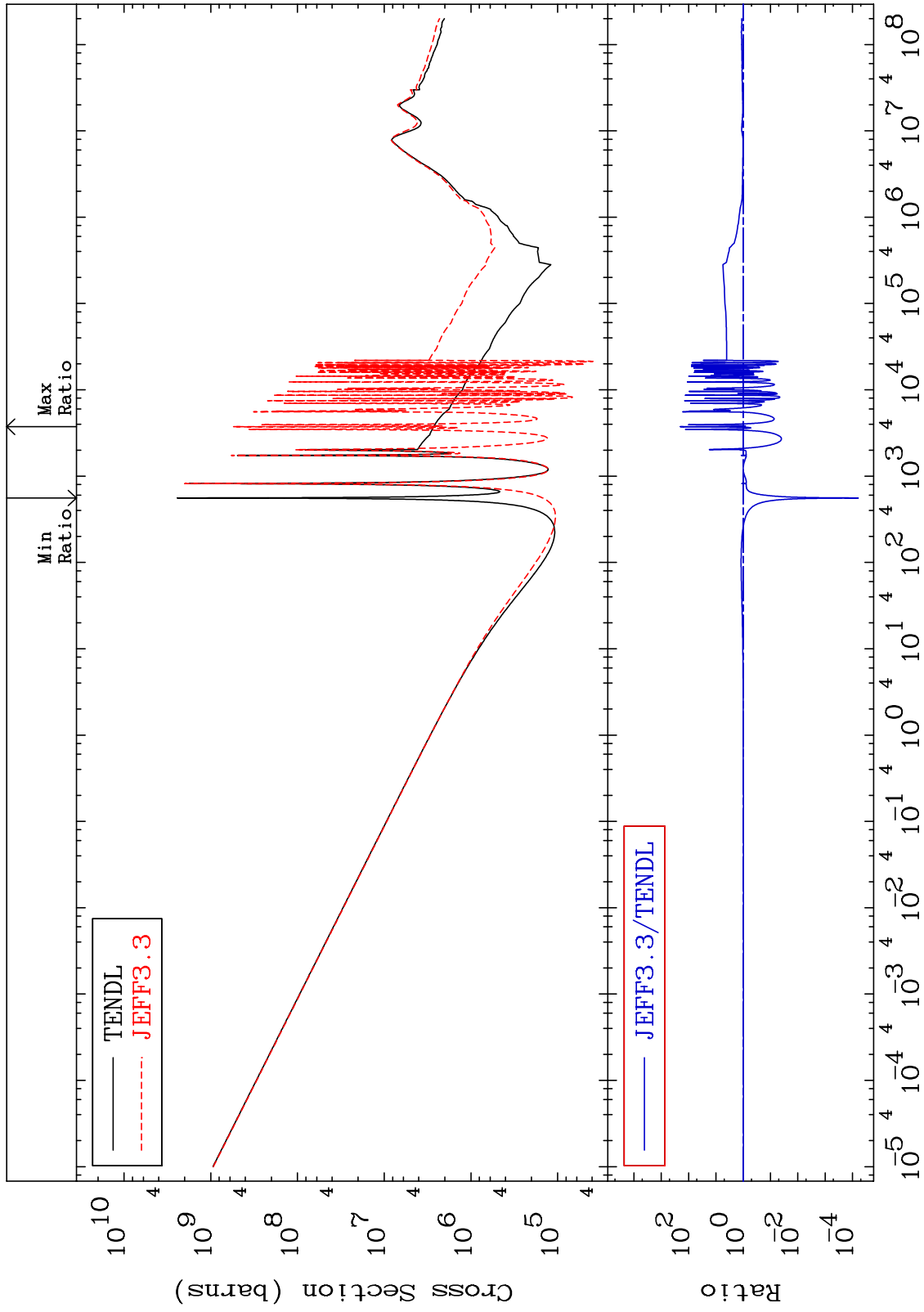
Incident Energy (eV)

27-Co-60

MAT 2728

Total photon (eV-barns)
Cross Section

27-Co-60
-99.99 To 9999. %



74

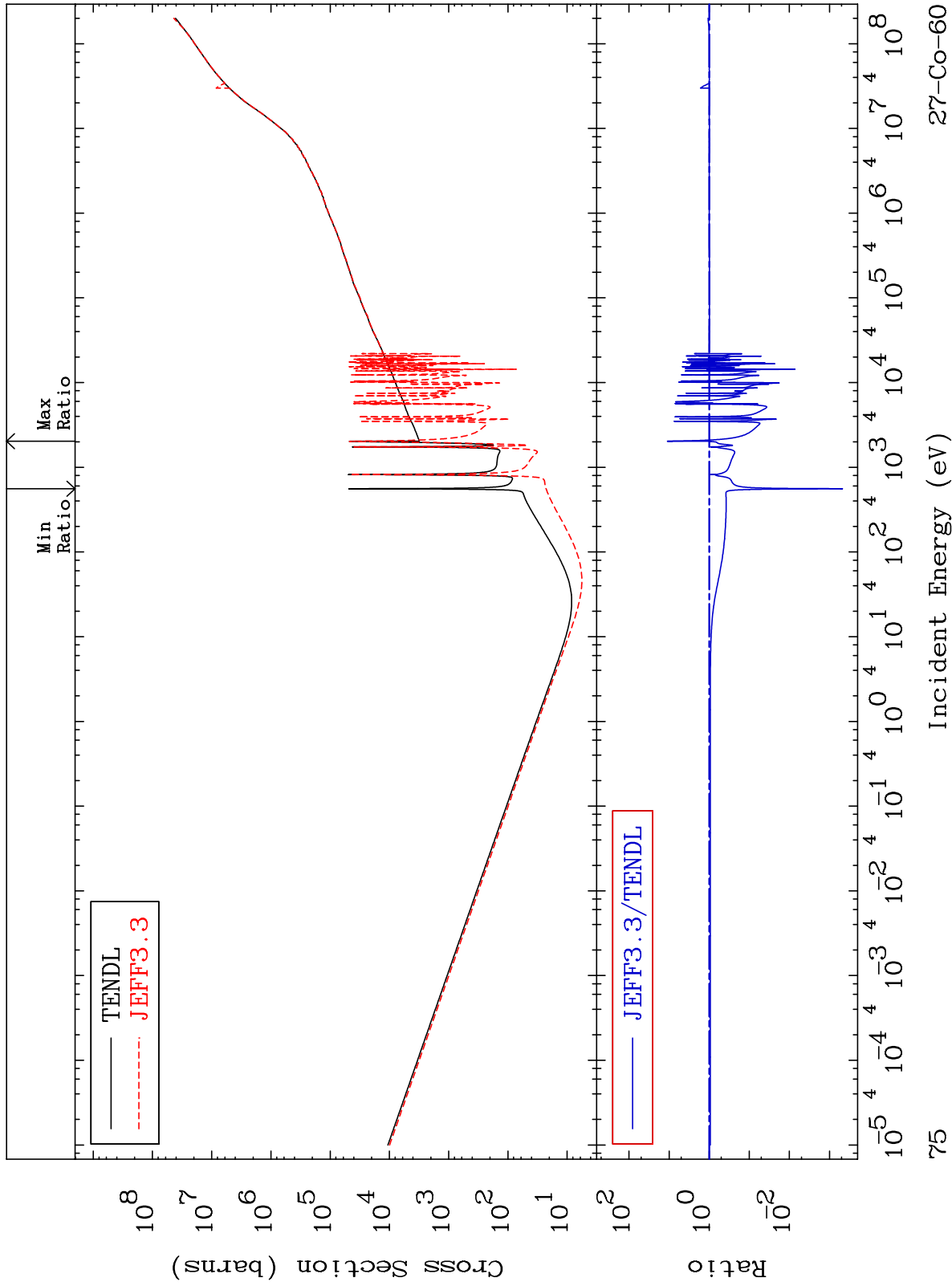
Incident Energy (eV)

27-Co-60

MAT 2728

Total kinematic kerma (high limit)
Cross Section

27-Co-60
-99.95 To 993.9 %



75

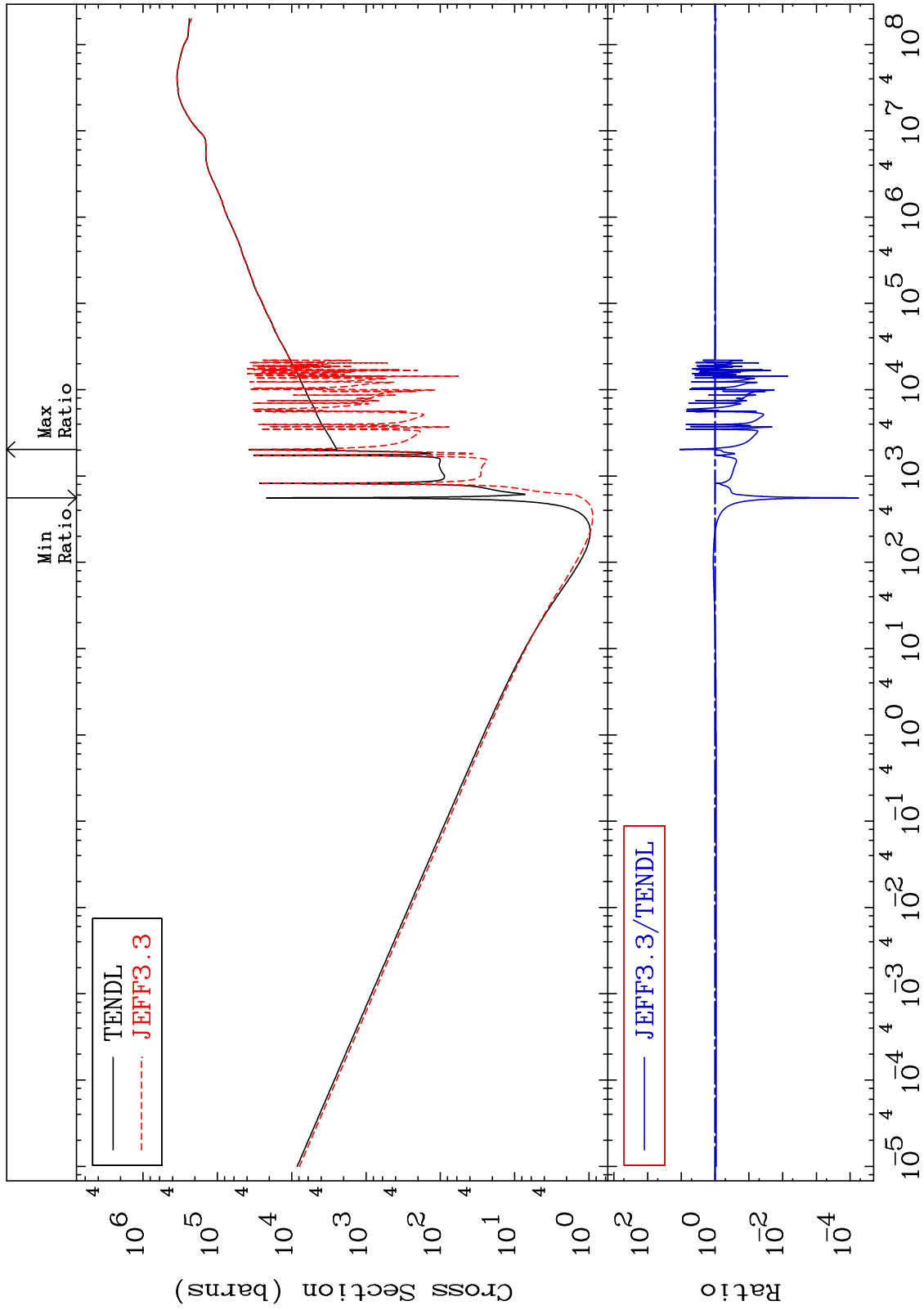
Incident Energy (eV)

27-Co-60

MAT 2728

Dpa total (eV-barns)
Cross Section

27-Co-60
-99.99 To 993.9 %



76

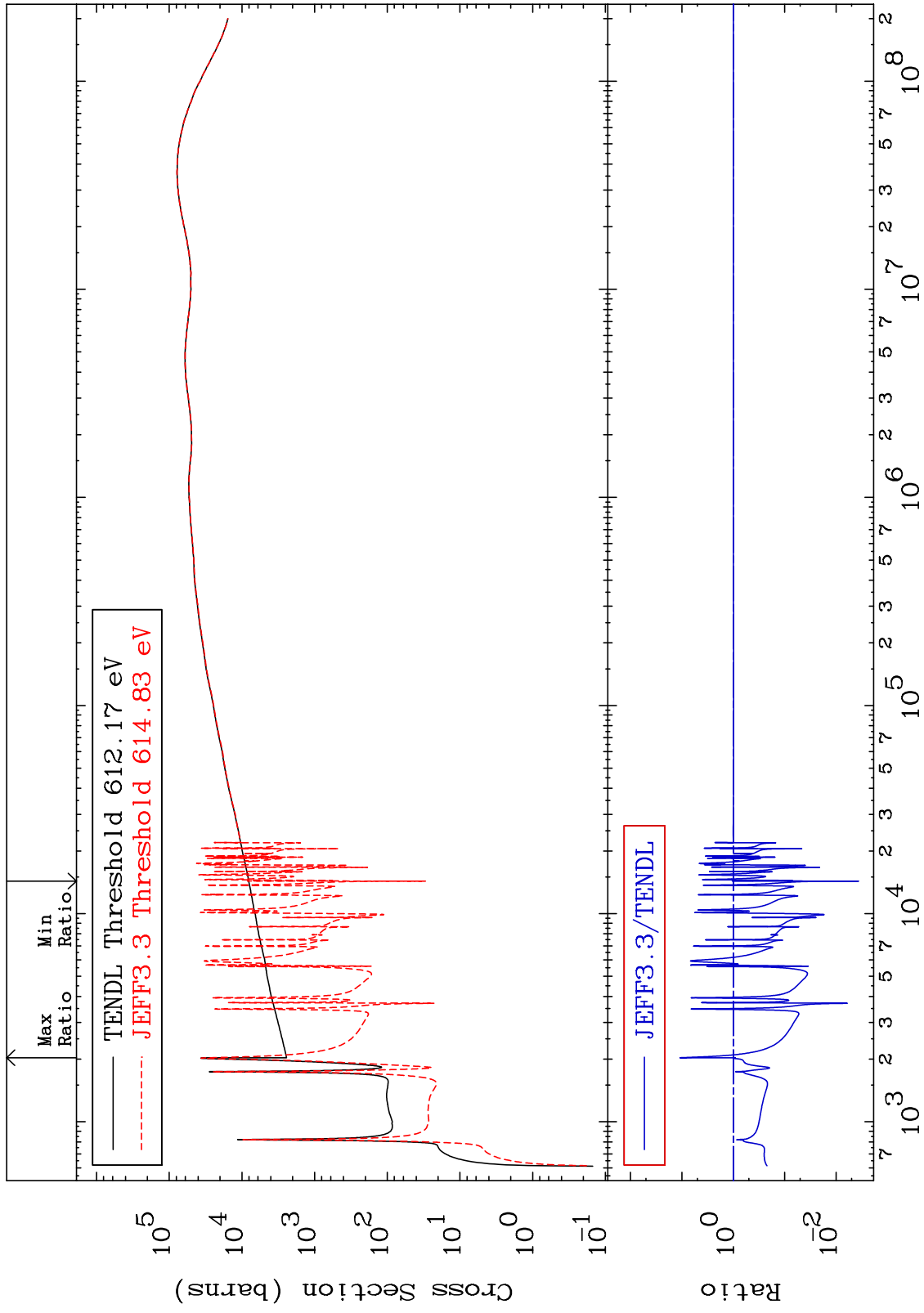
Incident Energy (eV)

27-Co-60

MAT 2728

Dpa elastic (mt2)
Cross Section

27-Co-60
-99.63 To 985.8 %



77

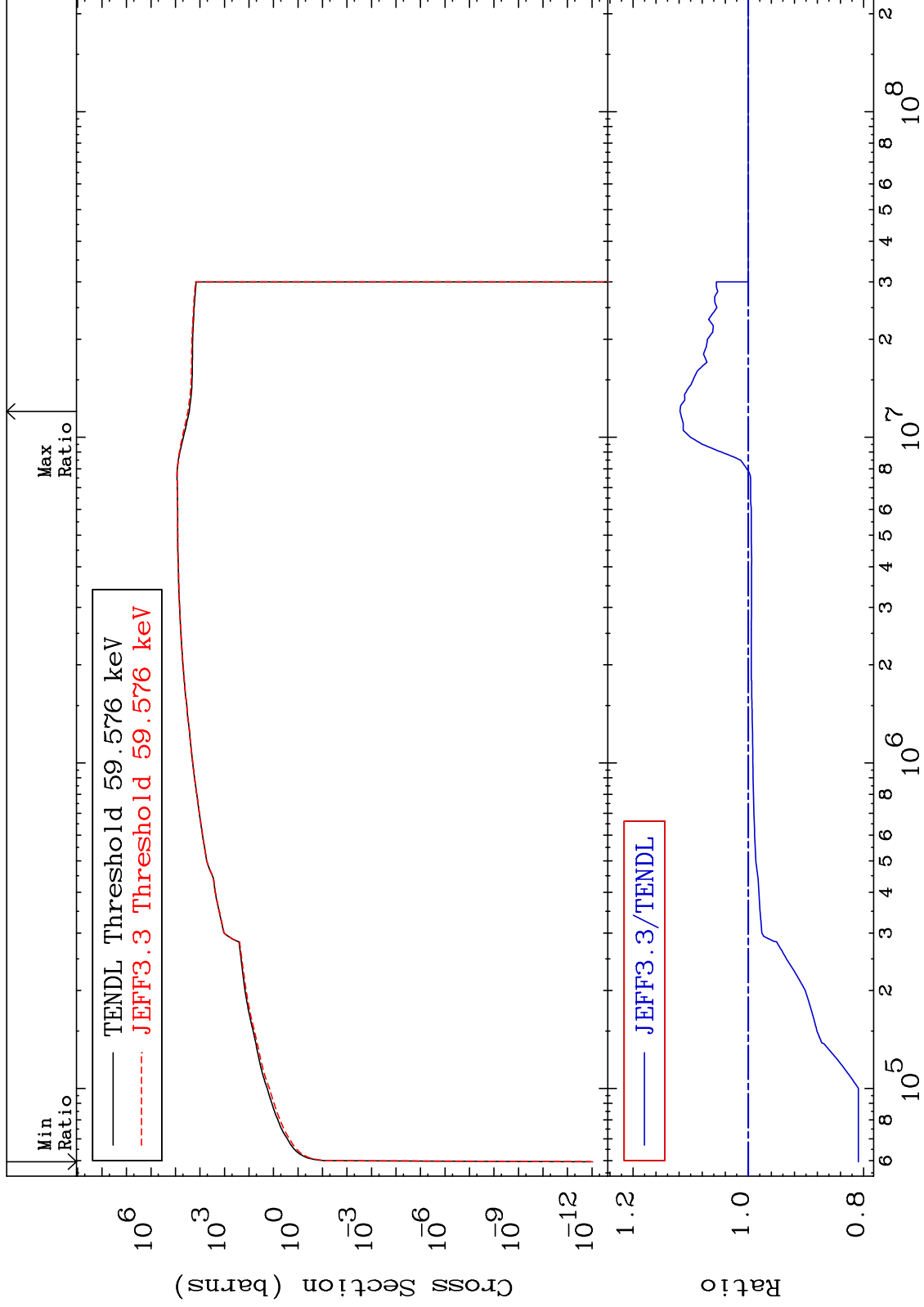
Incident Energy (eV)

27-Co-60

MAT 2728

Dpa inelastic (mt51-91)
Cross Section

27-Co-60
-19.11 To 11.84 %



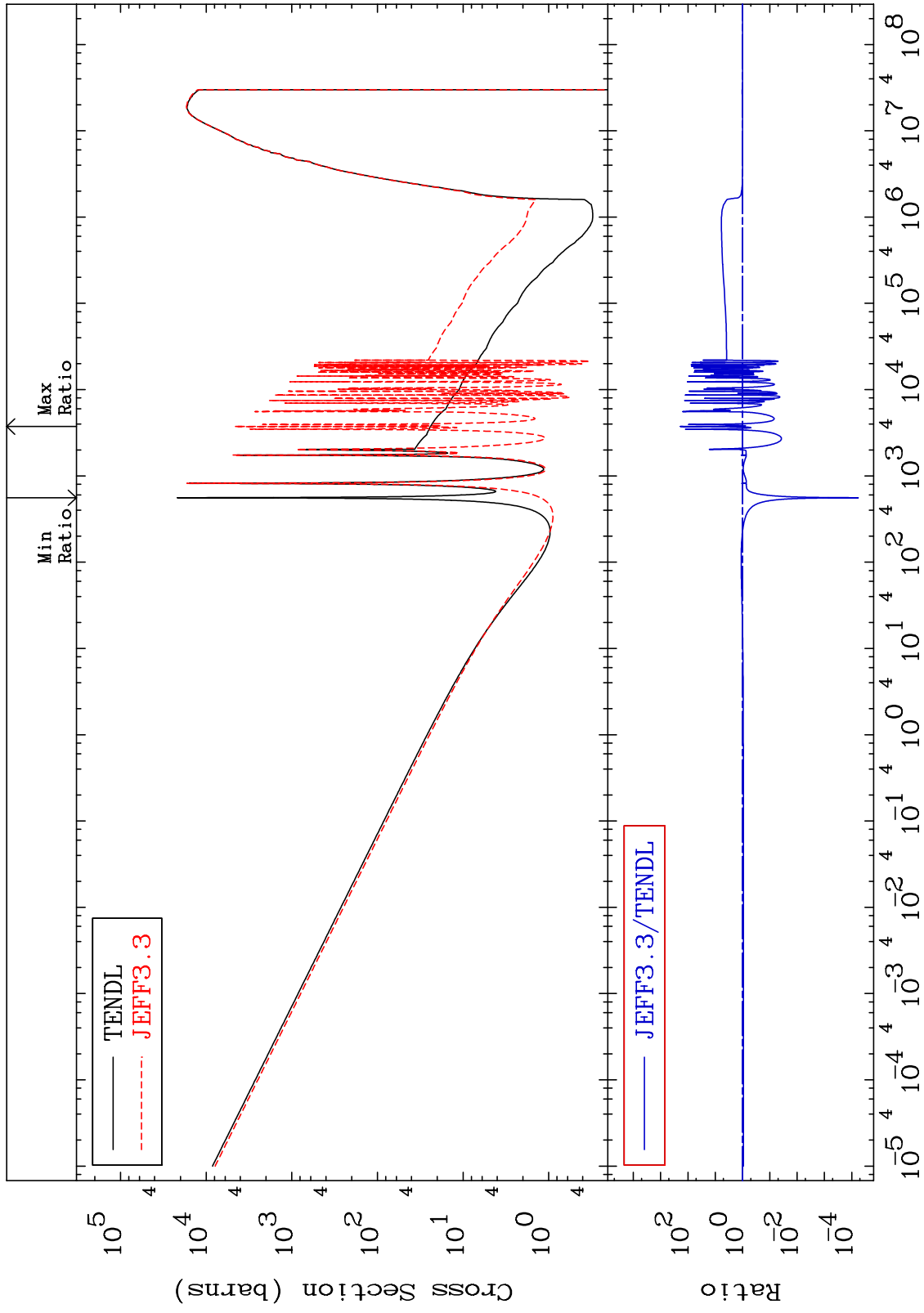
78

27-Co-60

MAT 2728

Dpa disappearance (mt102 -120)
Cross Section

27-Co-60
-99.99 To 9999. %



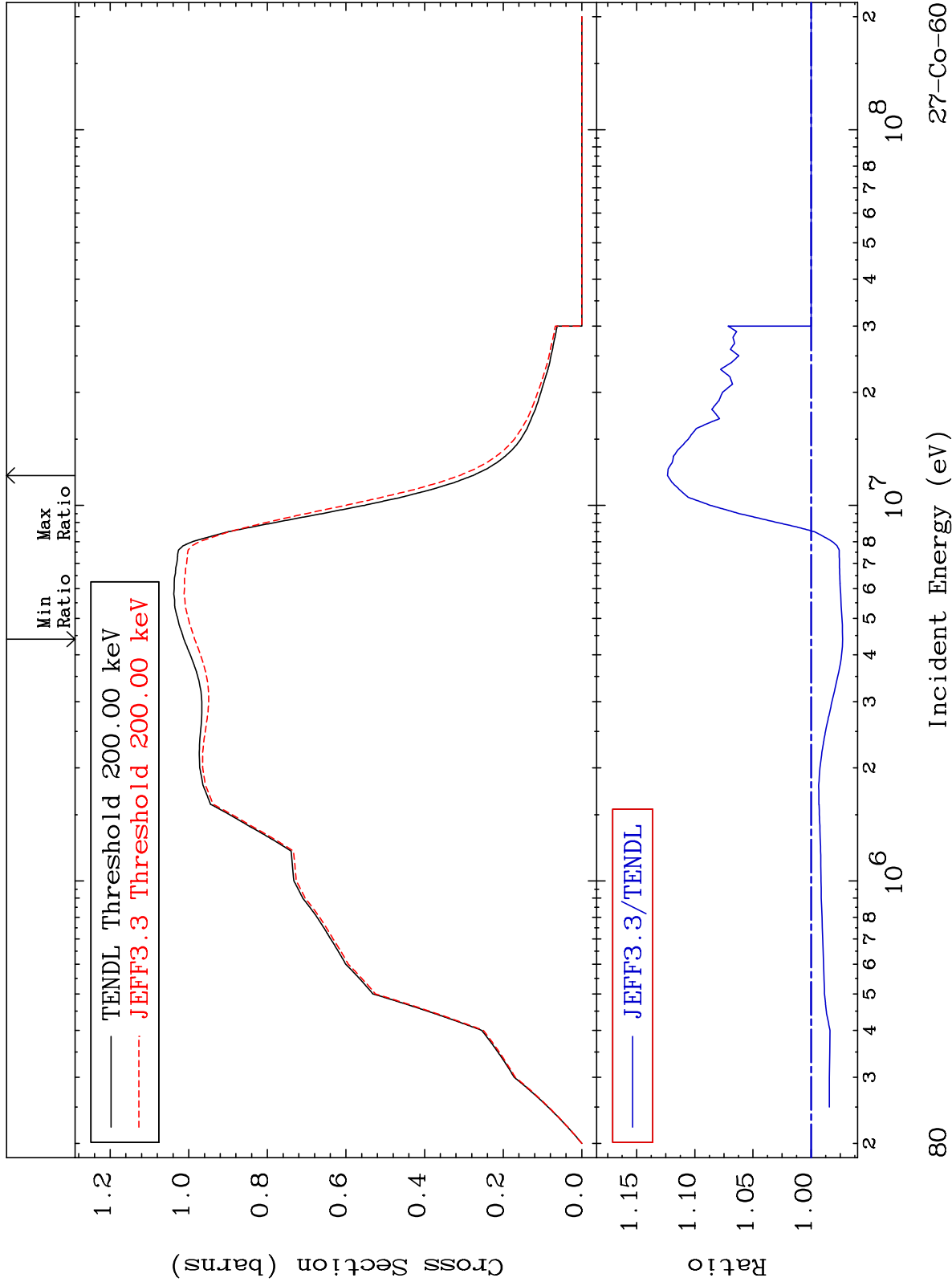
79

Incident Energy (eV)

27-Co-60

MAT 2728

Inelastic: 27-Co-60
Radionuclide Production Cross Section -2.711 To 12.35 %

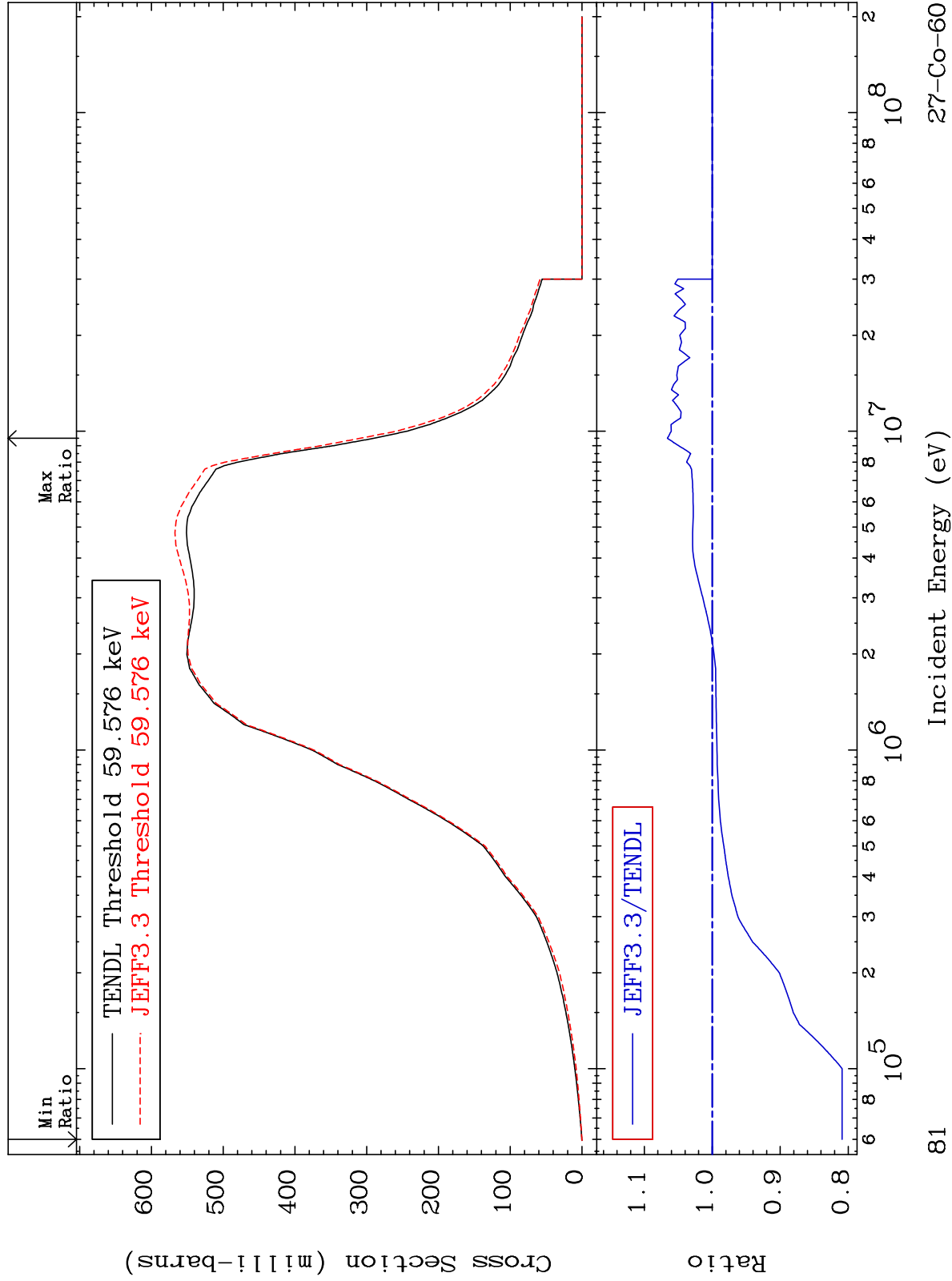


MAT 2728

Inelastic:27-Co-60m1

27-Co-60

Radionuclide Production Cross Section -19.11 To 6.584 %

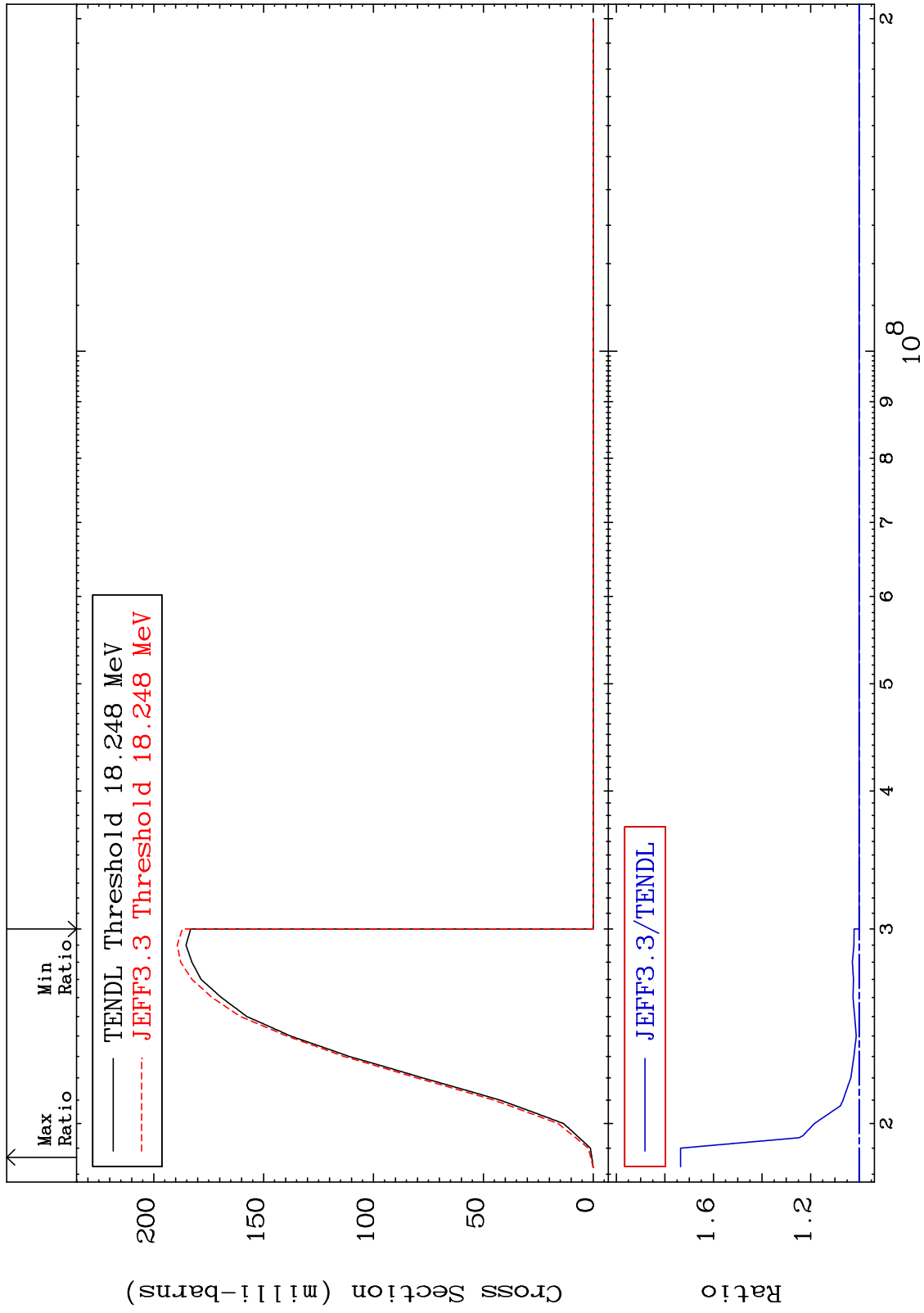


MAT 2728

$^{27}\text{Co-60}$

(n,3n): $^{27}\text{Co-58g}$

Radionuclide Production Cross Section 0.000 To 73.52 %

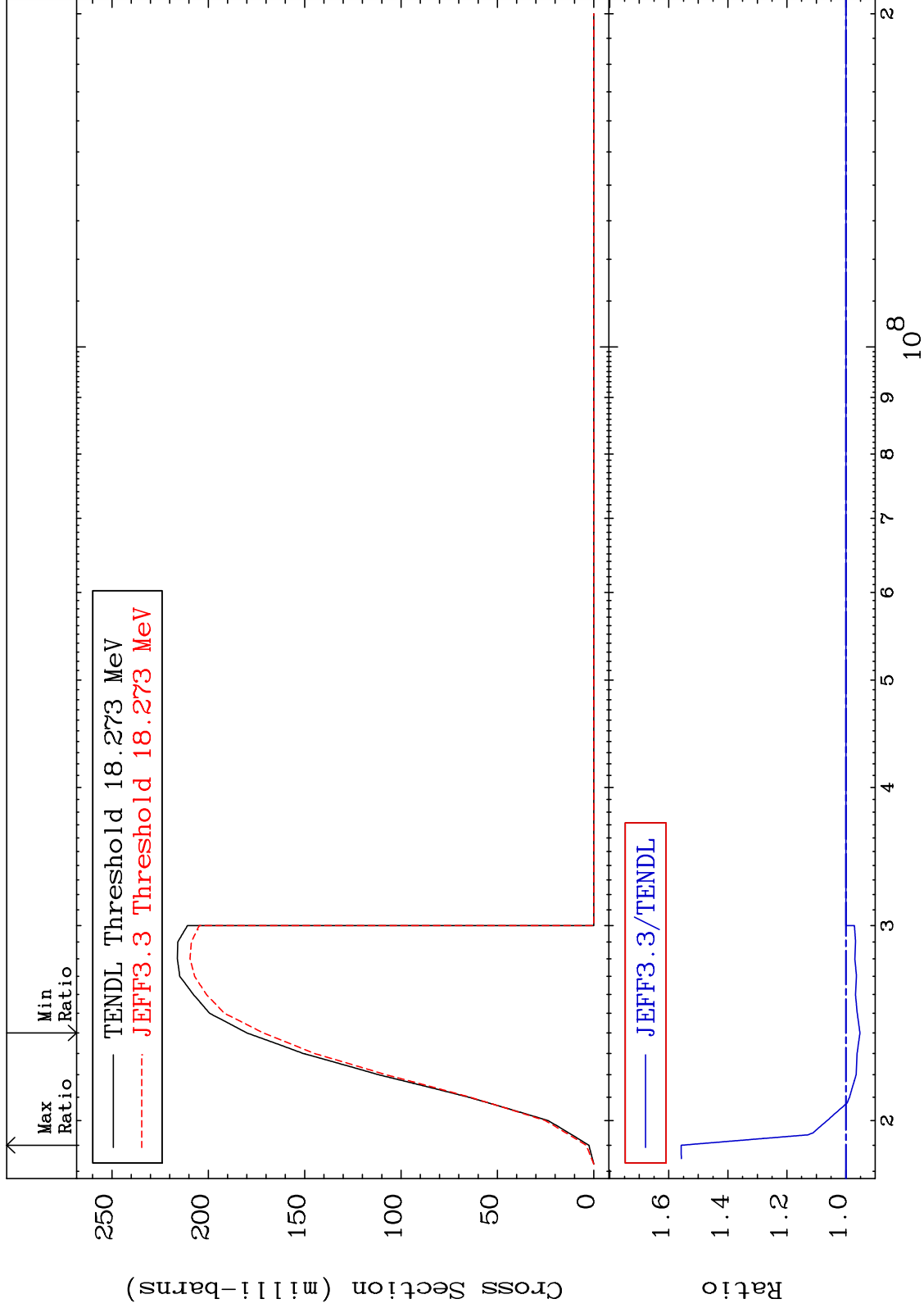


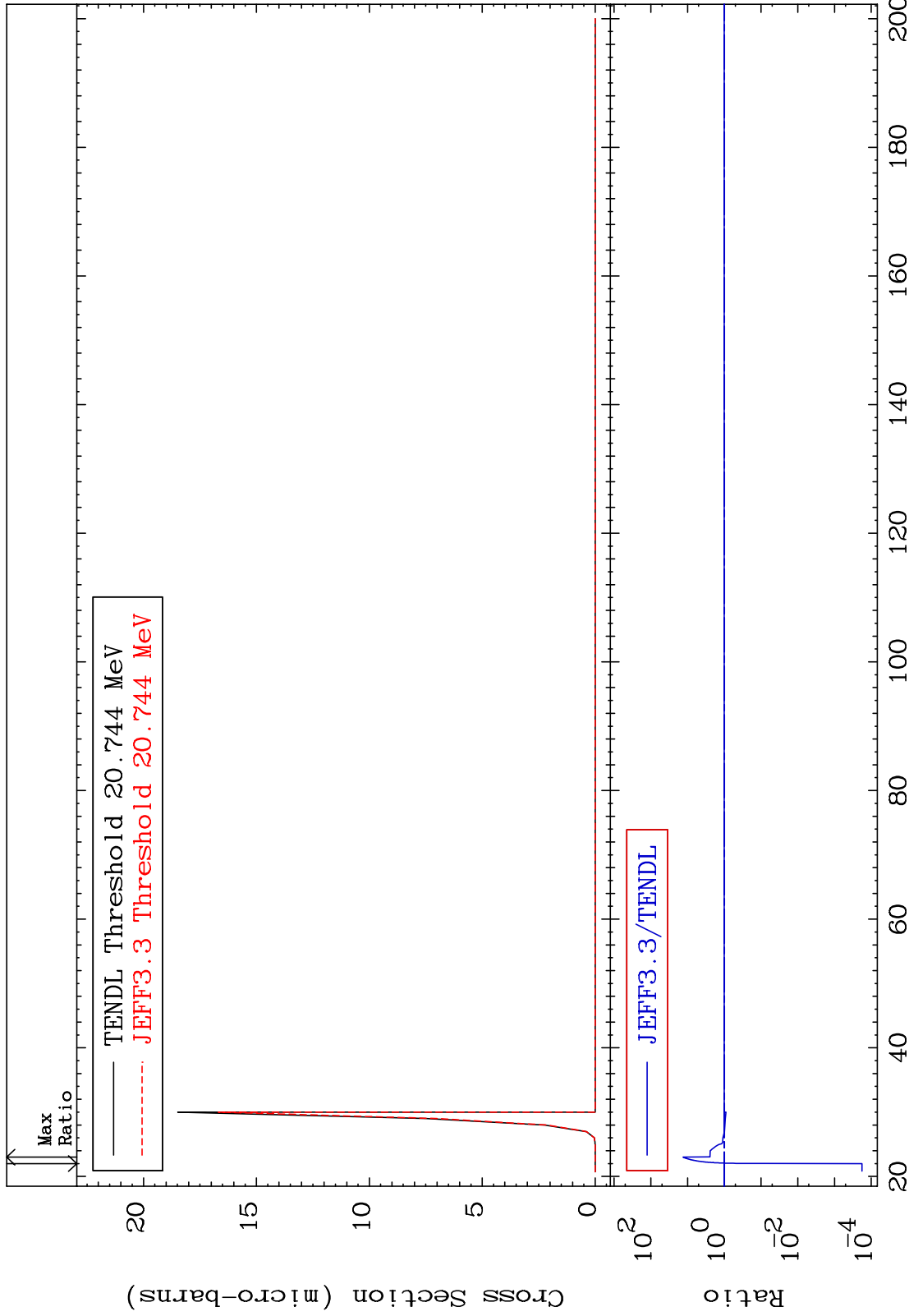
MAT 2728

(n,3n):27-Co-58m1

27-Co-60

Radionuclide Production Cross Section -4.758 To 55.78 %



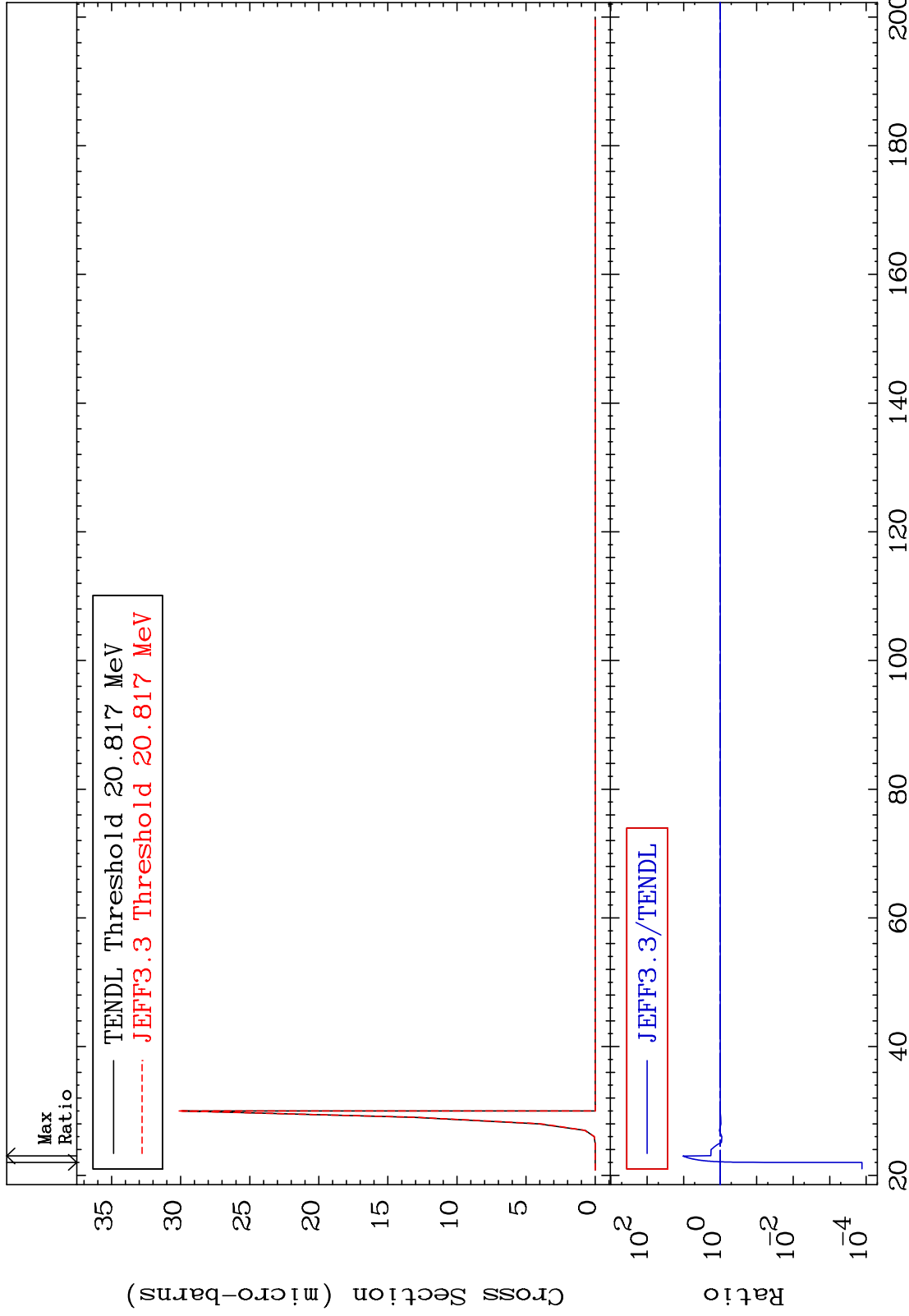


MAT 2728

(n,2n) p:25-Mn-58m1

27-Co-60

Radionuclide Production Cross Section -99.99 To 953.9 %

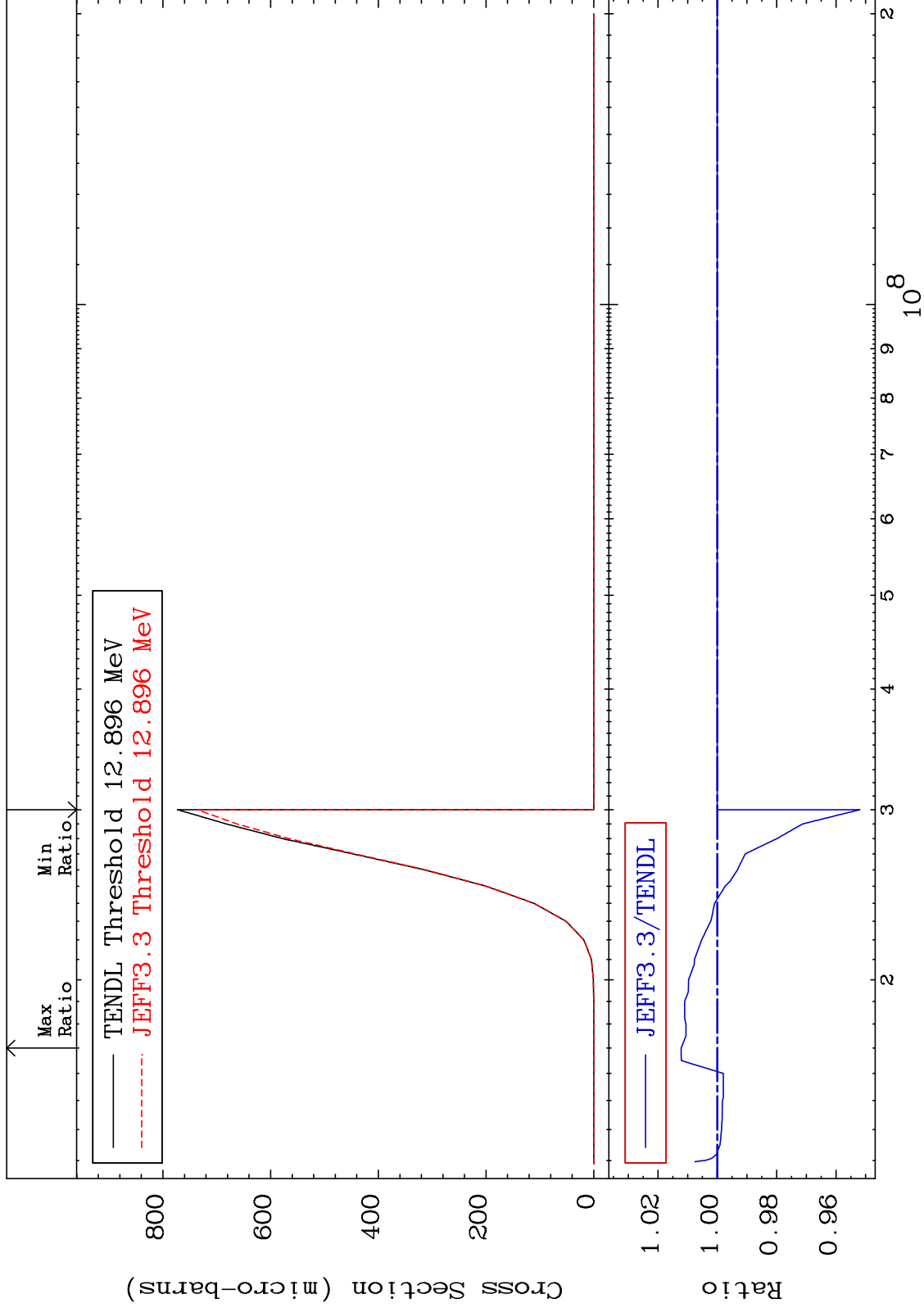


85

Incident Energy (MeV)

27-Co-60

Radionuclide Production Cross Section -4.806 To 1.215 %

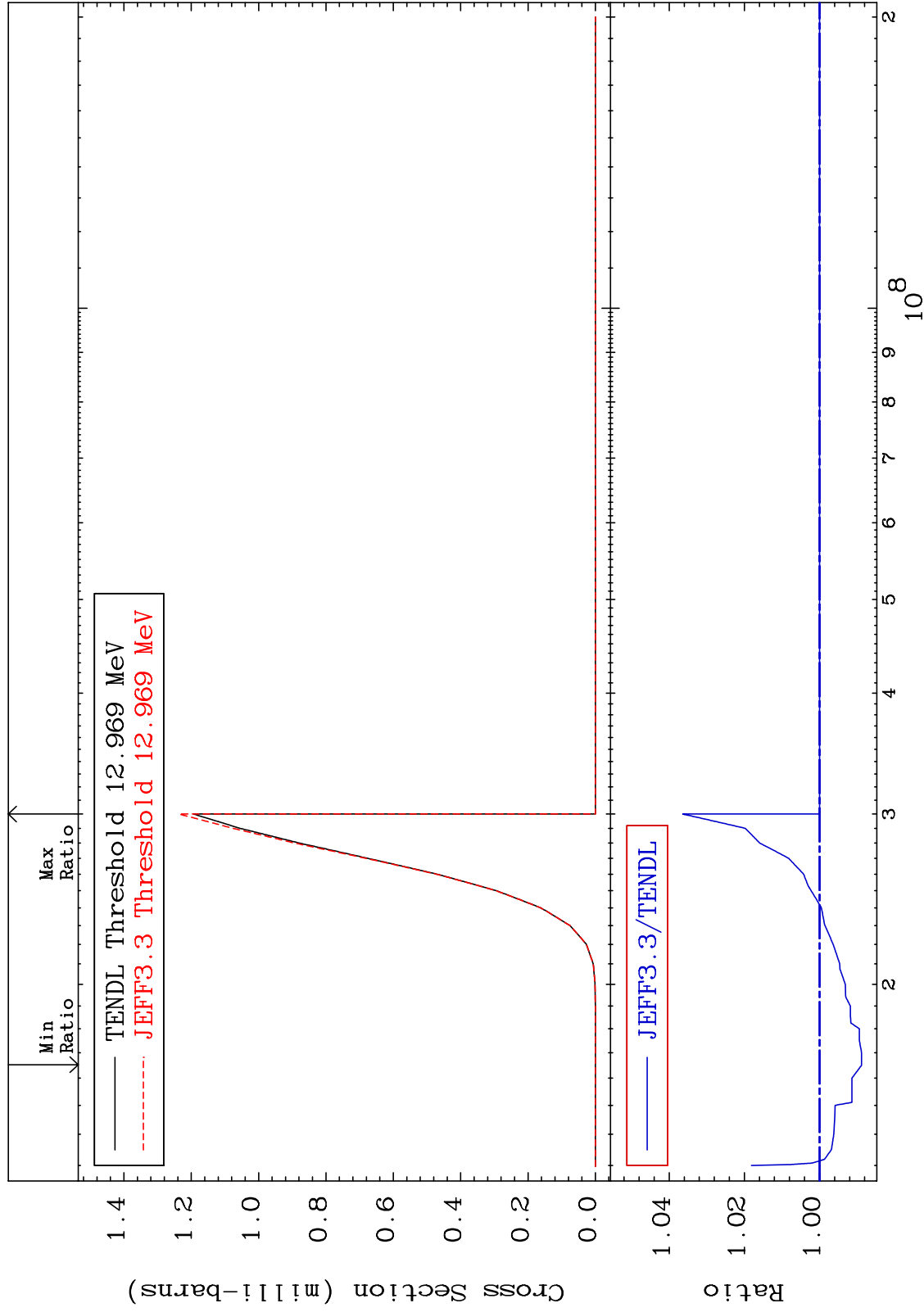


MAT 2728

(n,He-3):25-Mn-58m1

27-Co-60

Radionuclide Production Cross Section -1.118 To 3.637 %

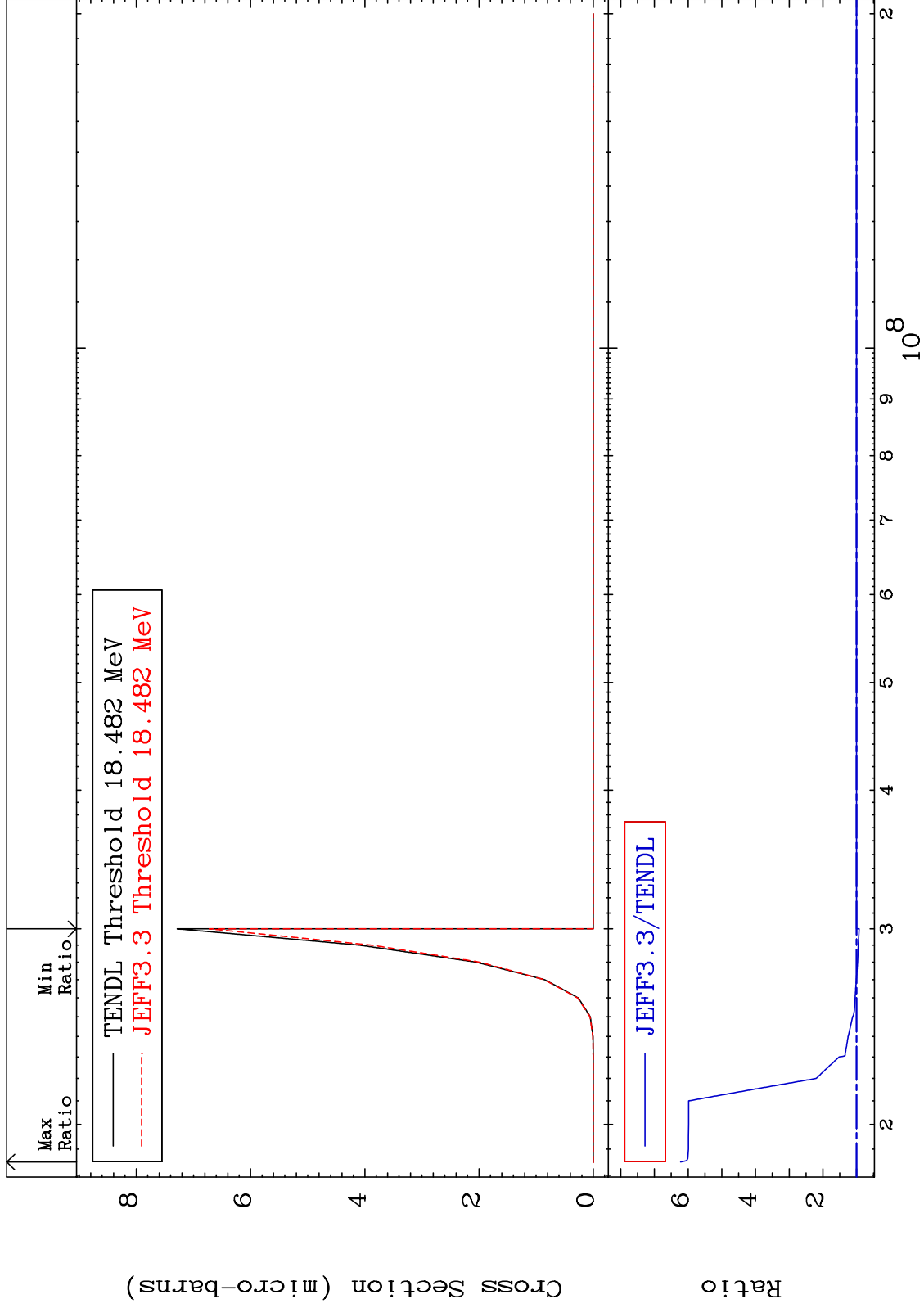


MAT 2728

(n, p) d:25-Mn-58g

27-Co-60

Radionuclide Production Cross Section -7.697 To 522.2 %



MAT 2728

(n, p) d:25-Mn-58m1

27-Co-60

Radionuclide Production Cross Section -0.342 To 519.0 %

