

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

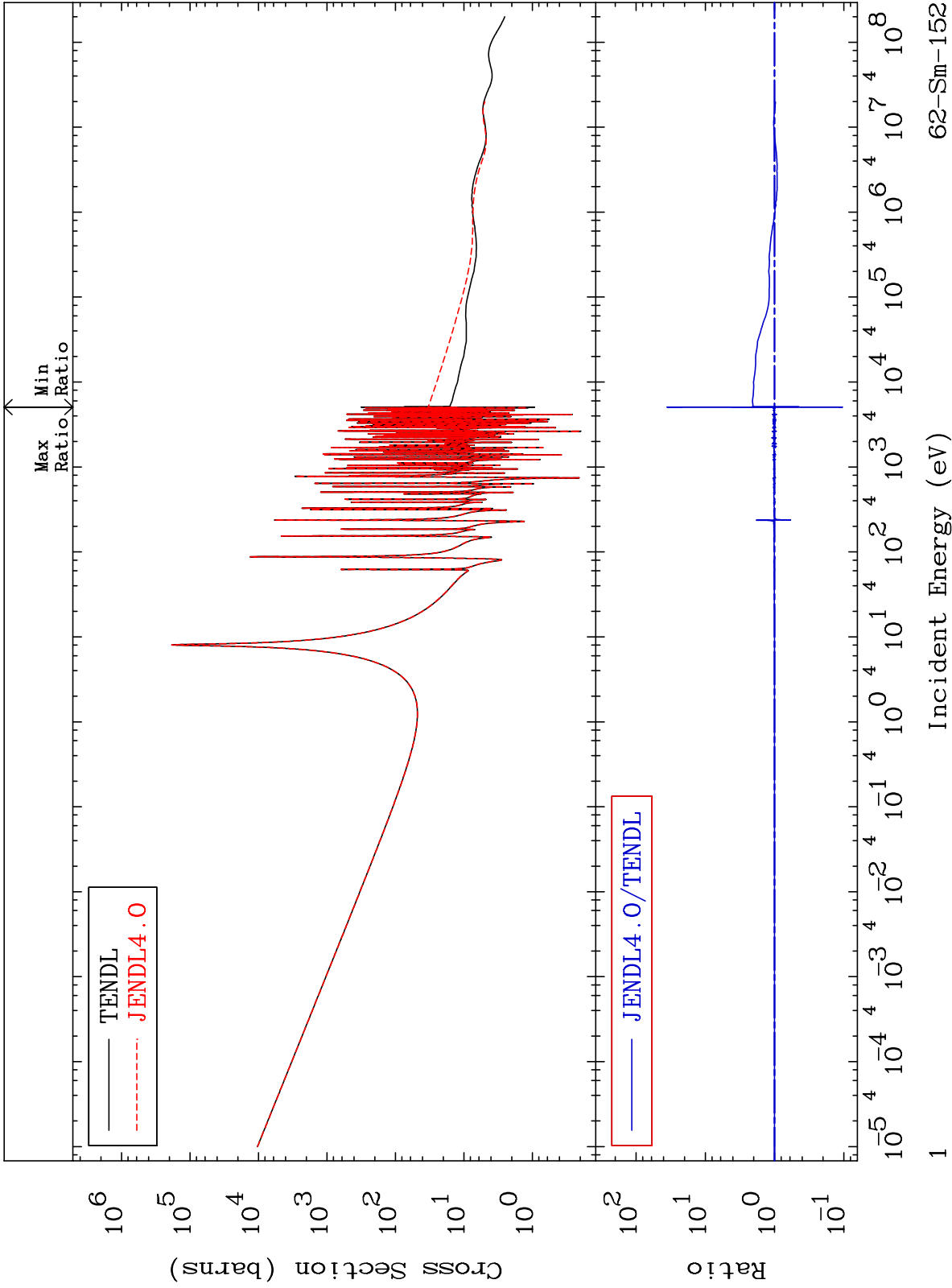
MAT 6249

Total

62-Sm-152

Cross Section

-89.52 To 3498. %

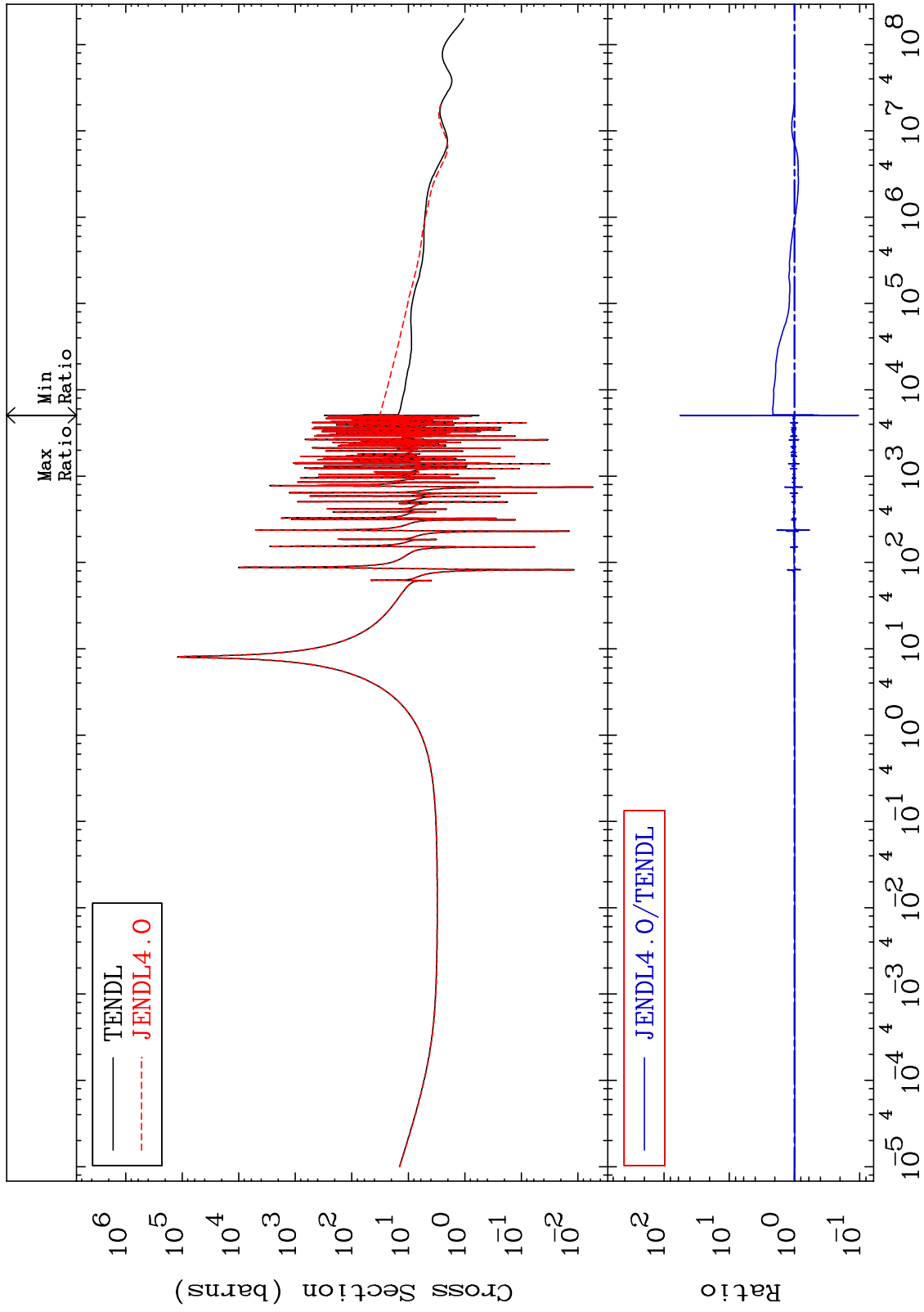


62-Sm-152

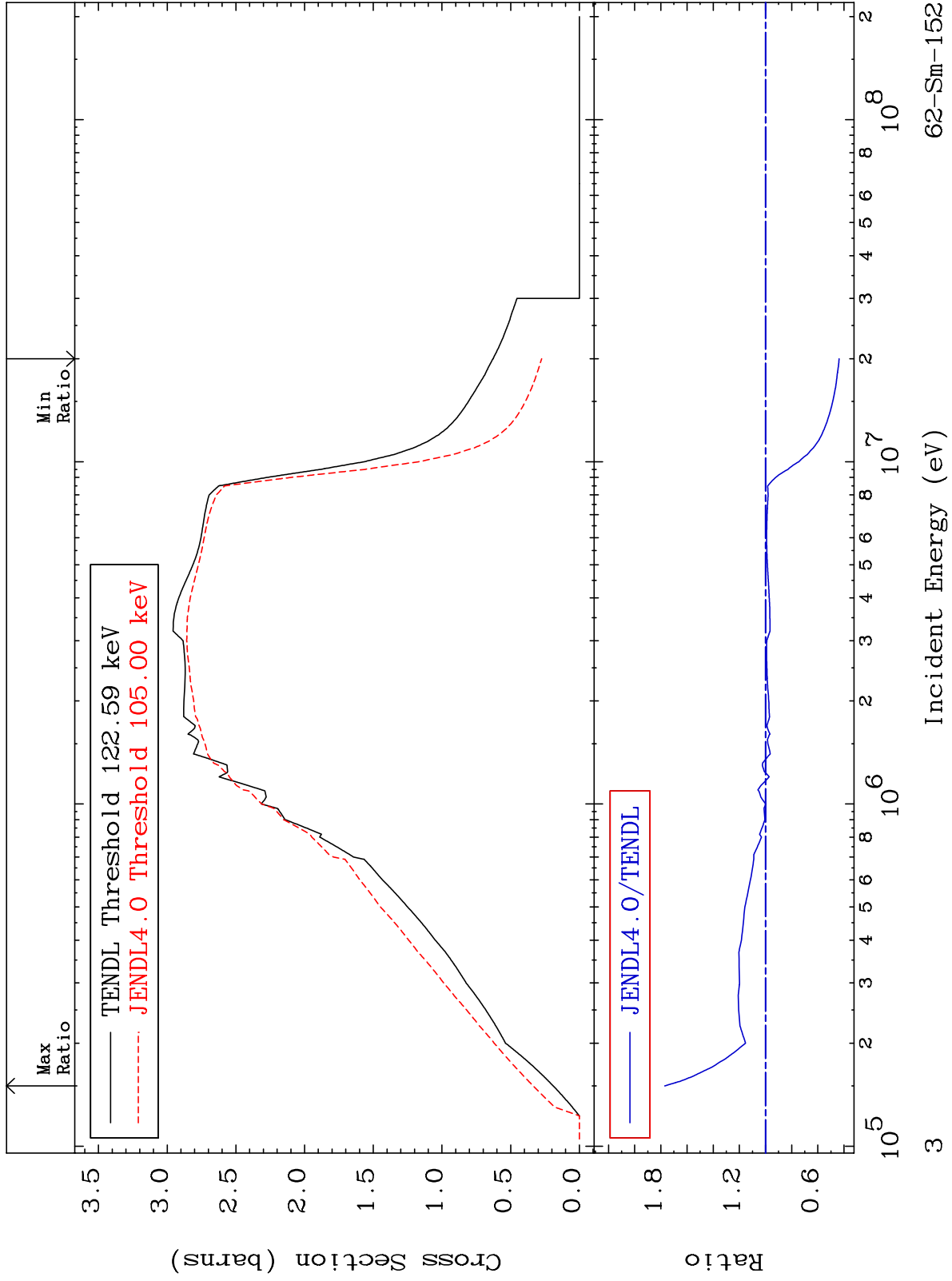
MAT 6249

Elastic
Cross Section

62-Sm-152
-89.57 To 5571. %



MAT 6249 Inelastic Cross Section 62-Sm-152 -56.26 To 77.02 %



62-Sm-152

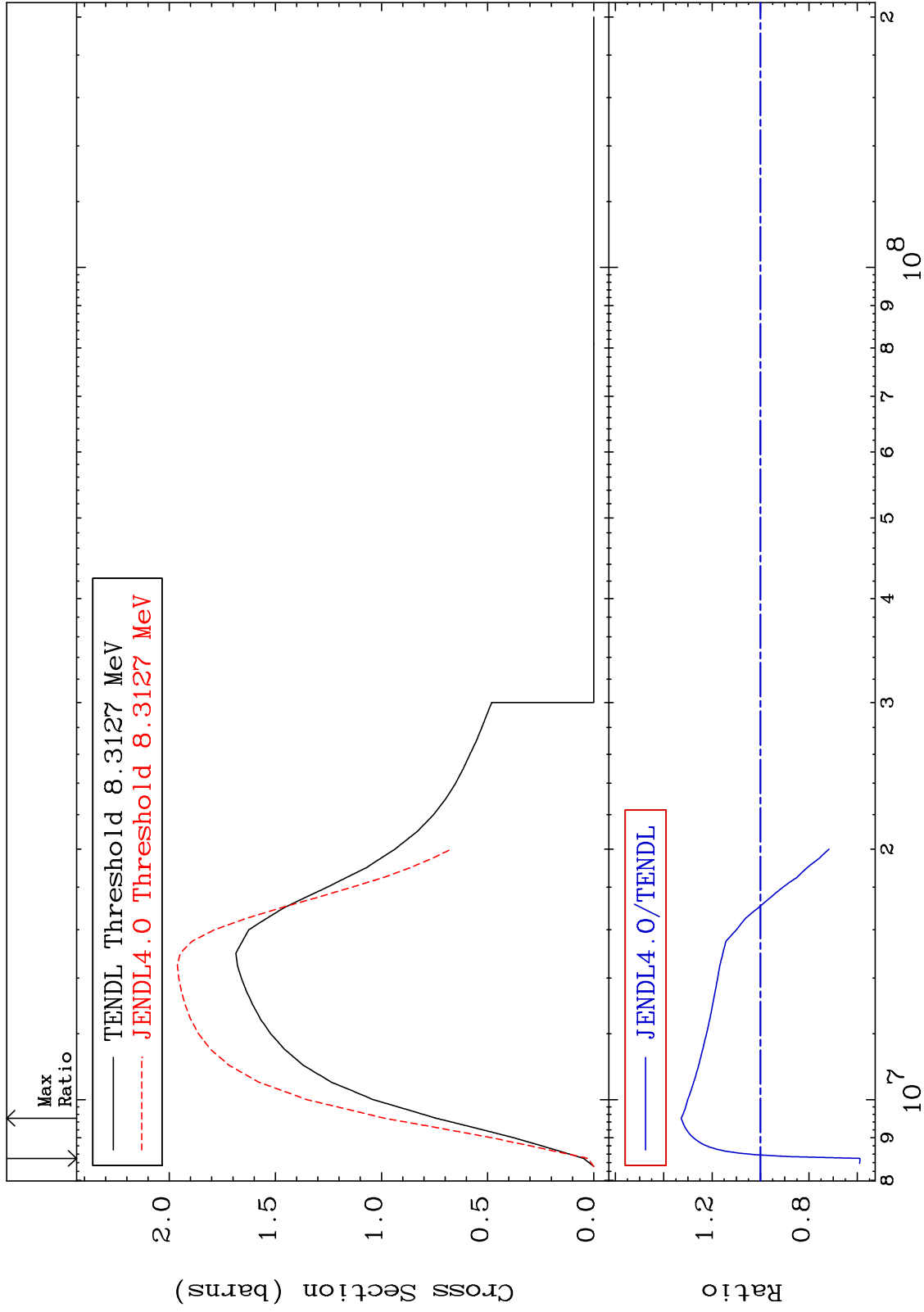
MAT 6249

(n, 2n)

62-Sm-152

Cross Section

-41.07 To 32.78 %



Incident Energy (eV)

62-Sm-152

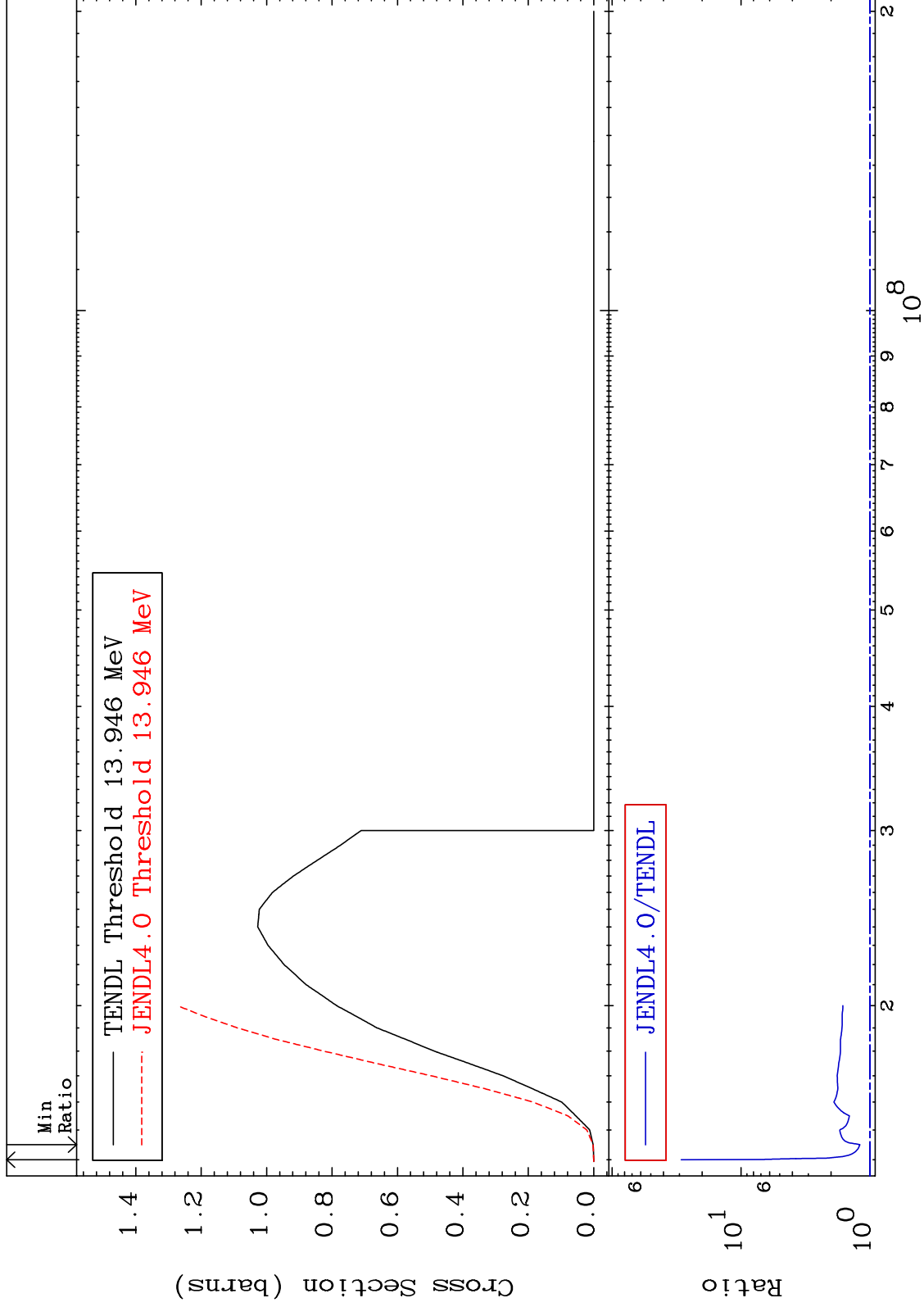
MAT 6249

(n,3n)

62-Sm-152

Cross Section

19.47 To 2807. %



5

Incident Energy (eV)

62-Sm-152

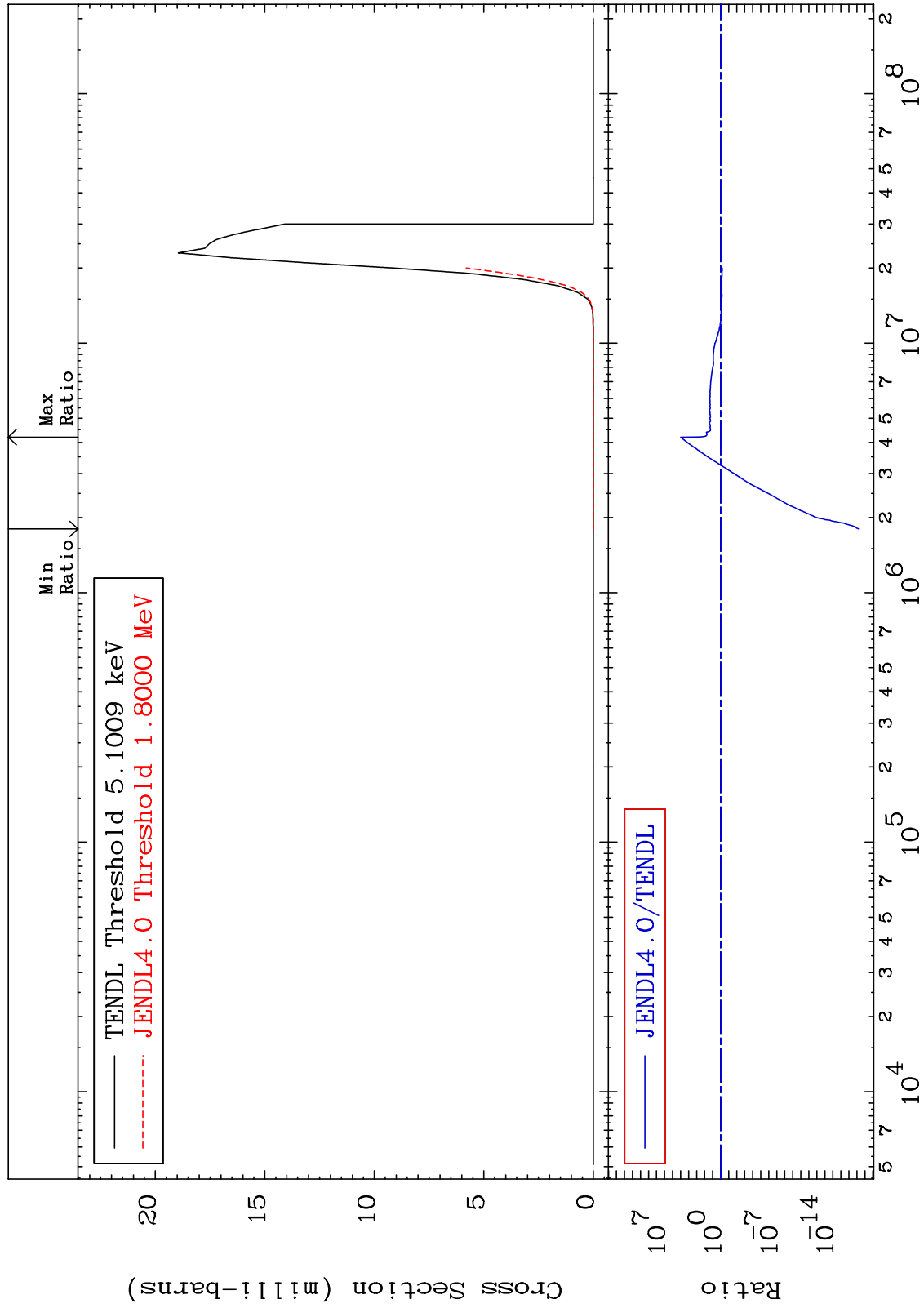
MAT 6249

(n, n') α

62-Sm-152

-100.0 To 9999. %

Cross Section



6

62-Sm-152

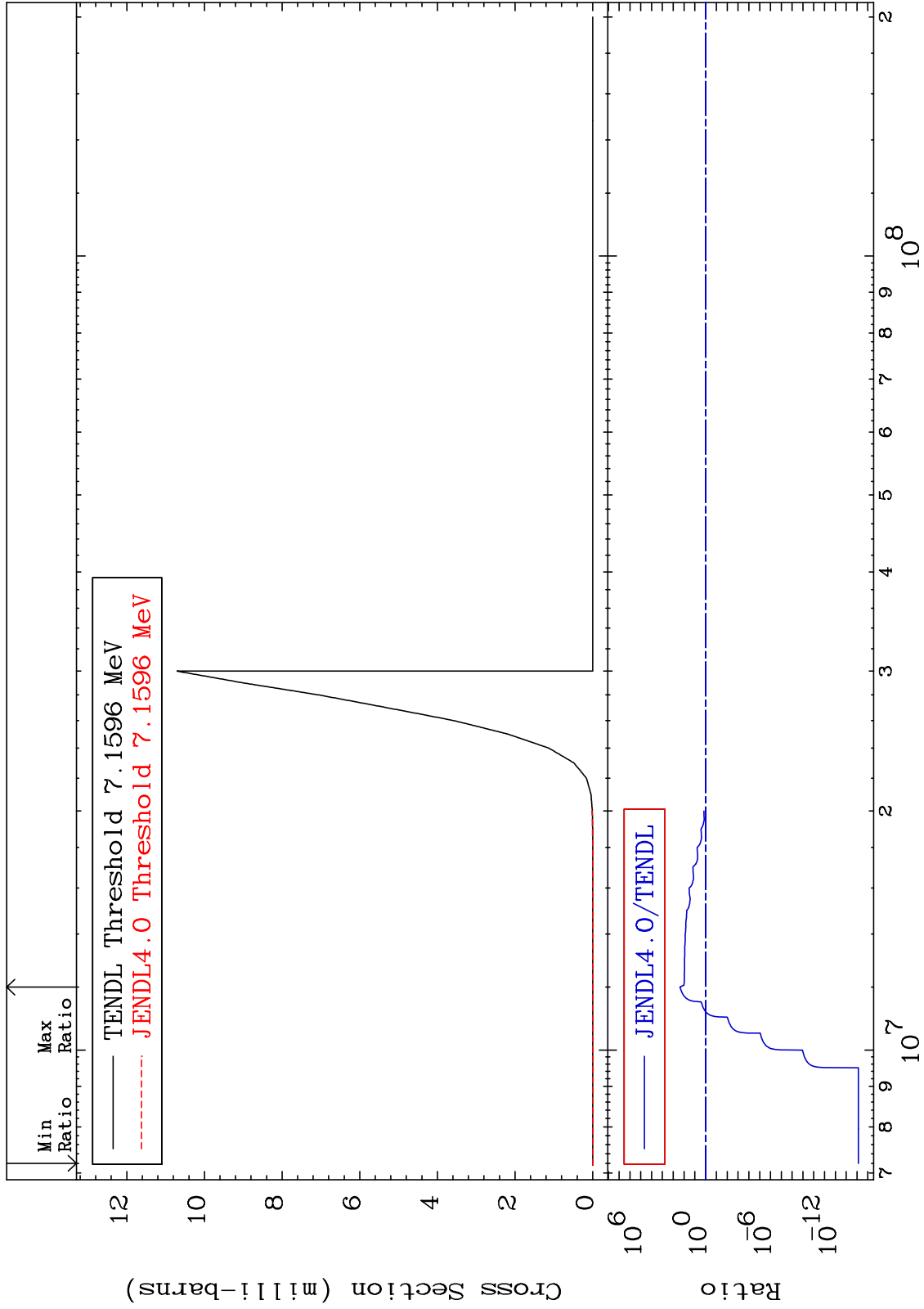
MAT 6249

(n,2n) α

62-Sm-152

Cross Section

-100.0 To 9999. %



Incident Energy (eV)

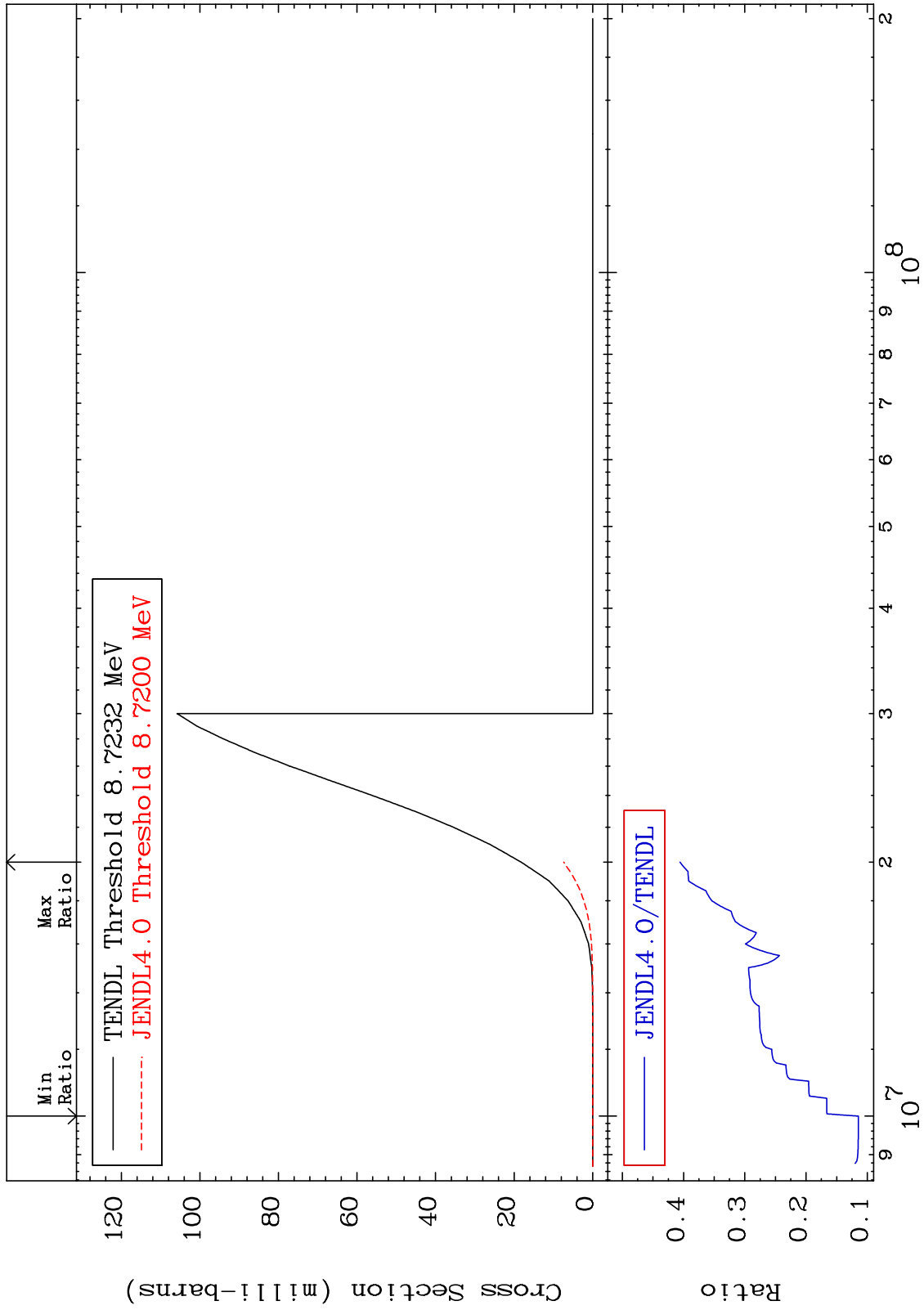
62-Sm-152

7

MAT 6249

(n,n') p
Cross Section

62-Sm-152
-88.55 To -59.42%



8

Incident Energy (eV)

62-Sm-152

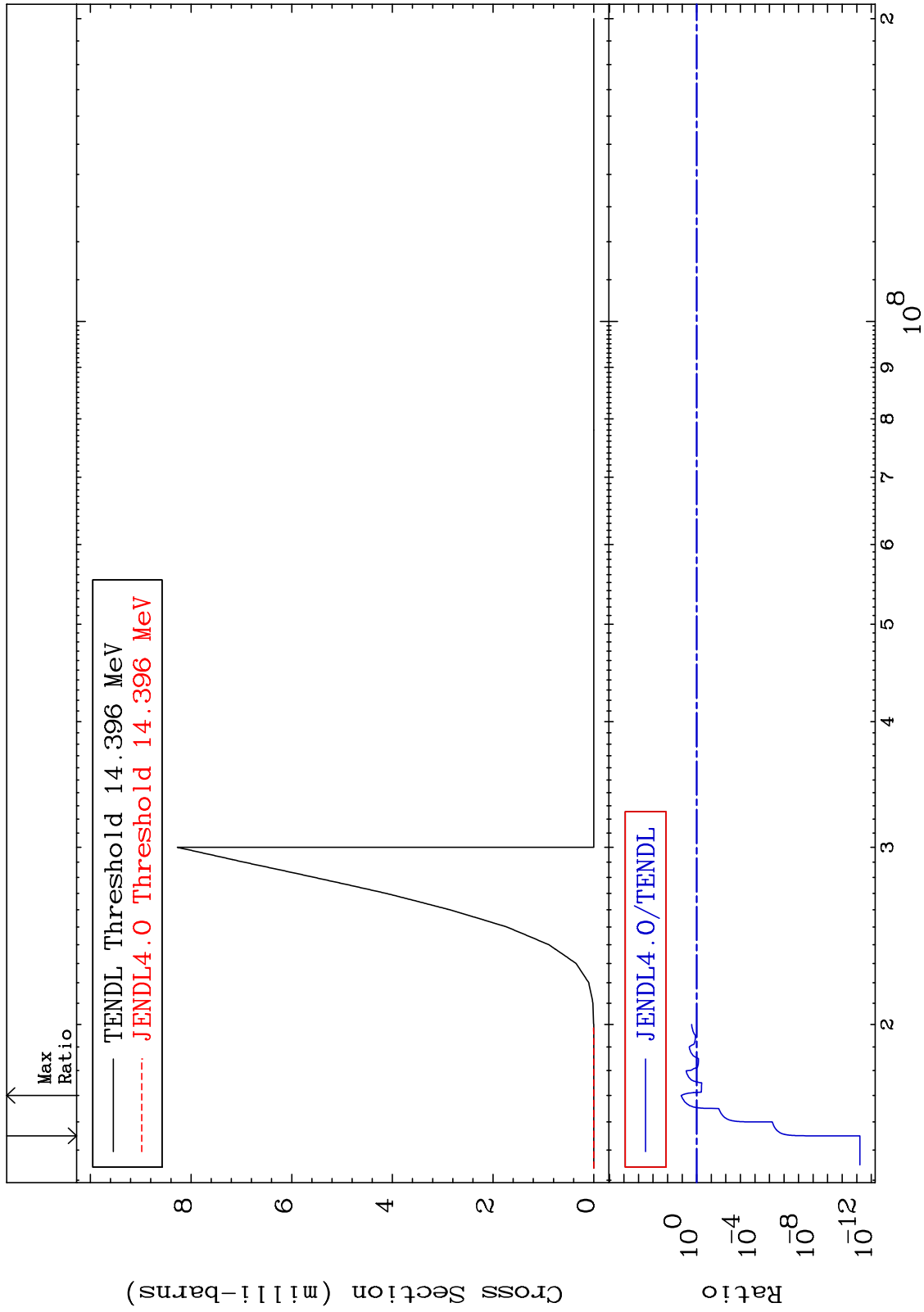
MAT 6249

(n,n') d

62-Sm-152

Cross Section

-100.0 To 1061. %



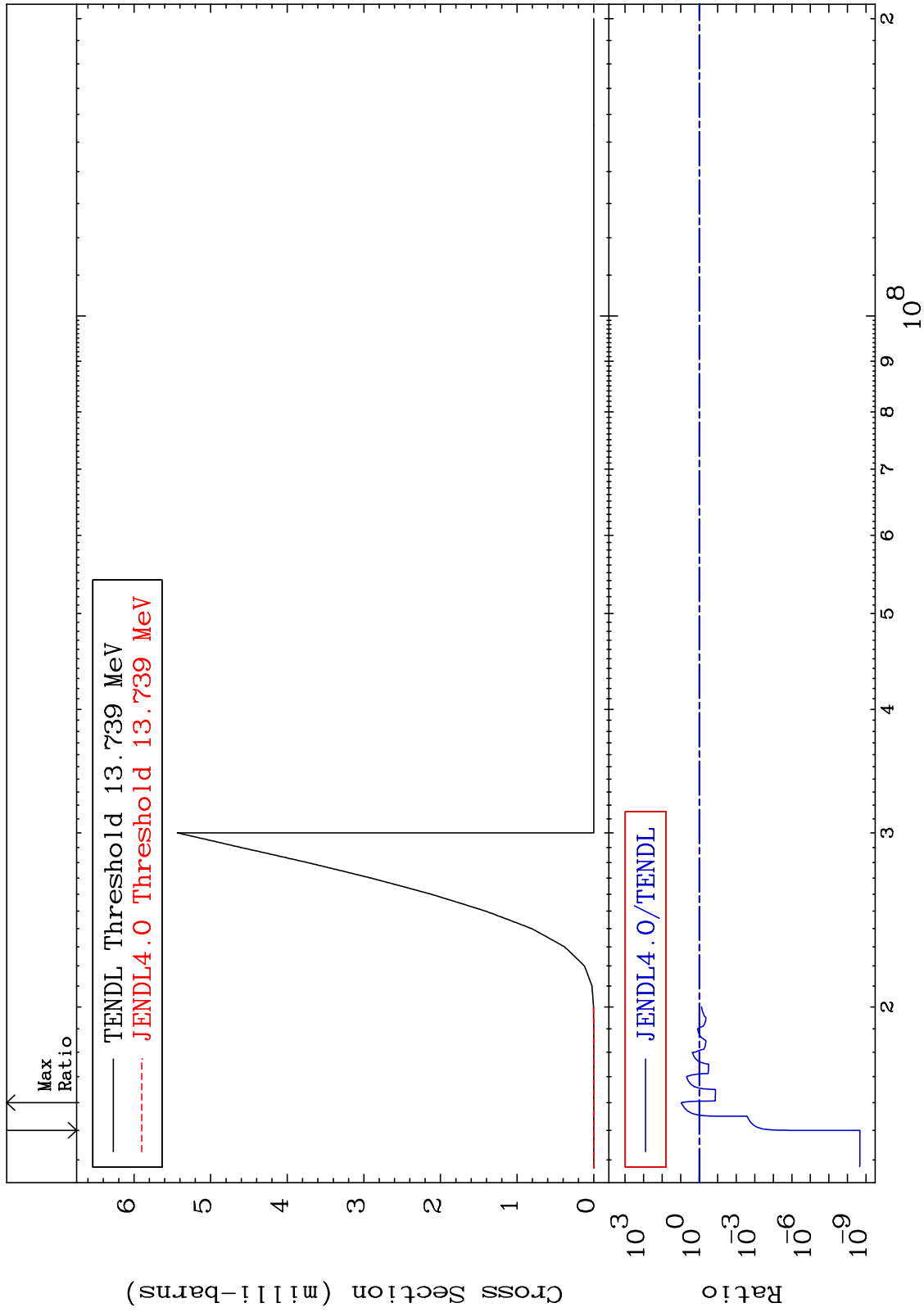
MAT 6249

(n,n') t

62-Sm-152

Cross Section

-100.0 To 832.0 %

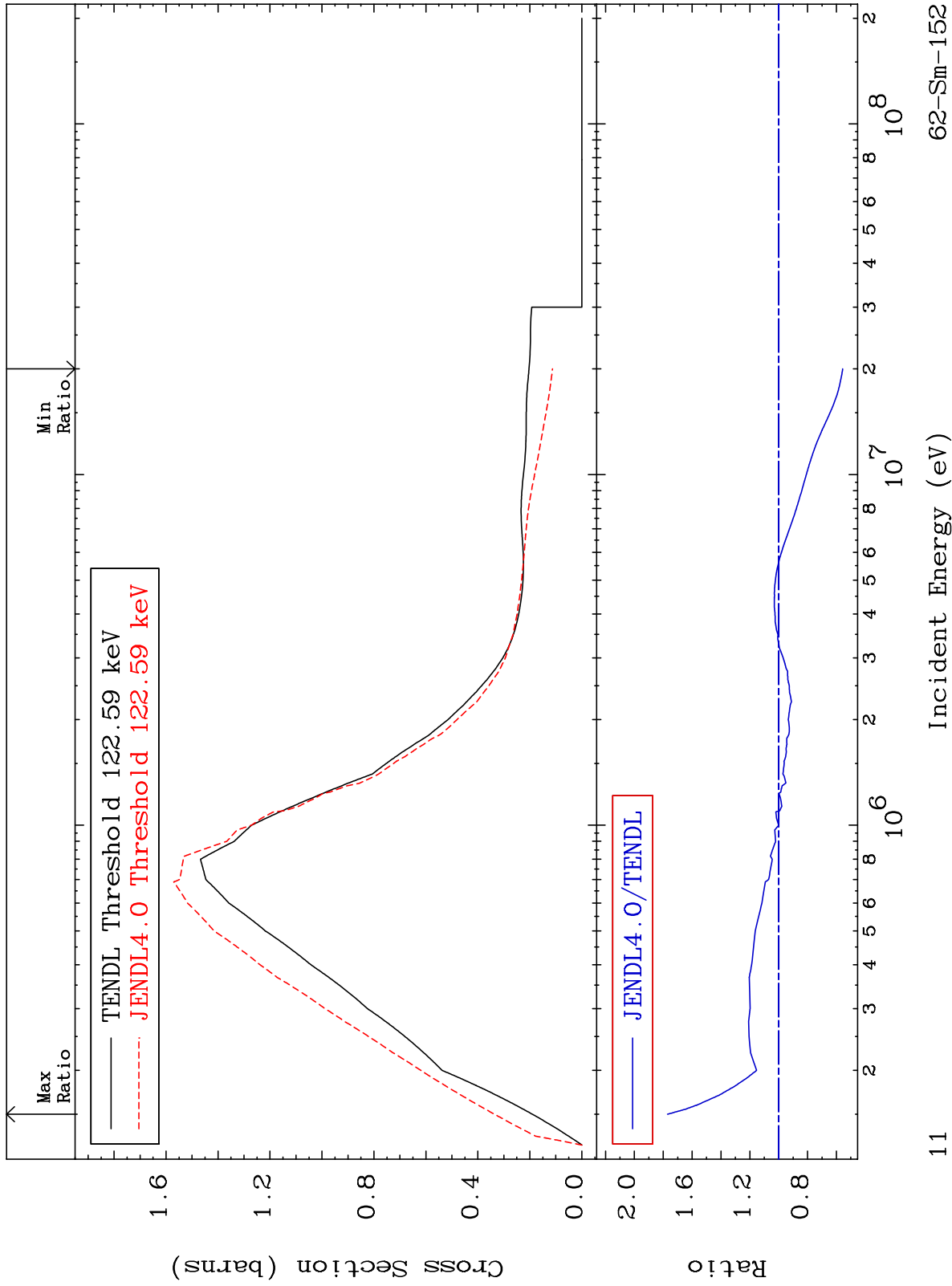


10

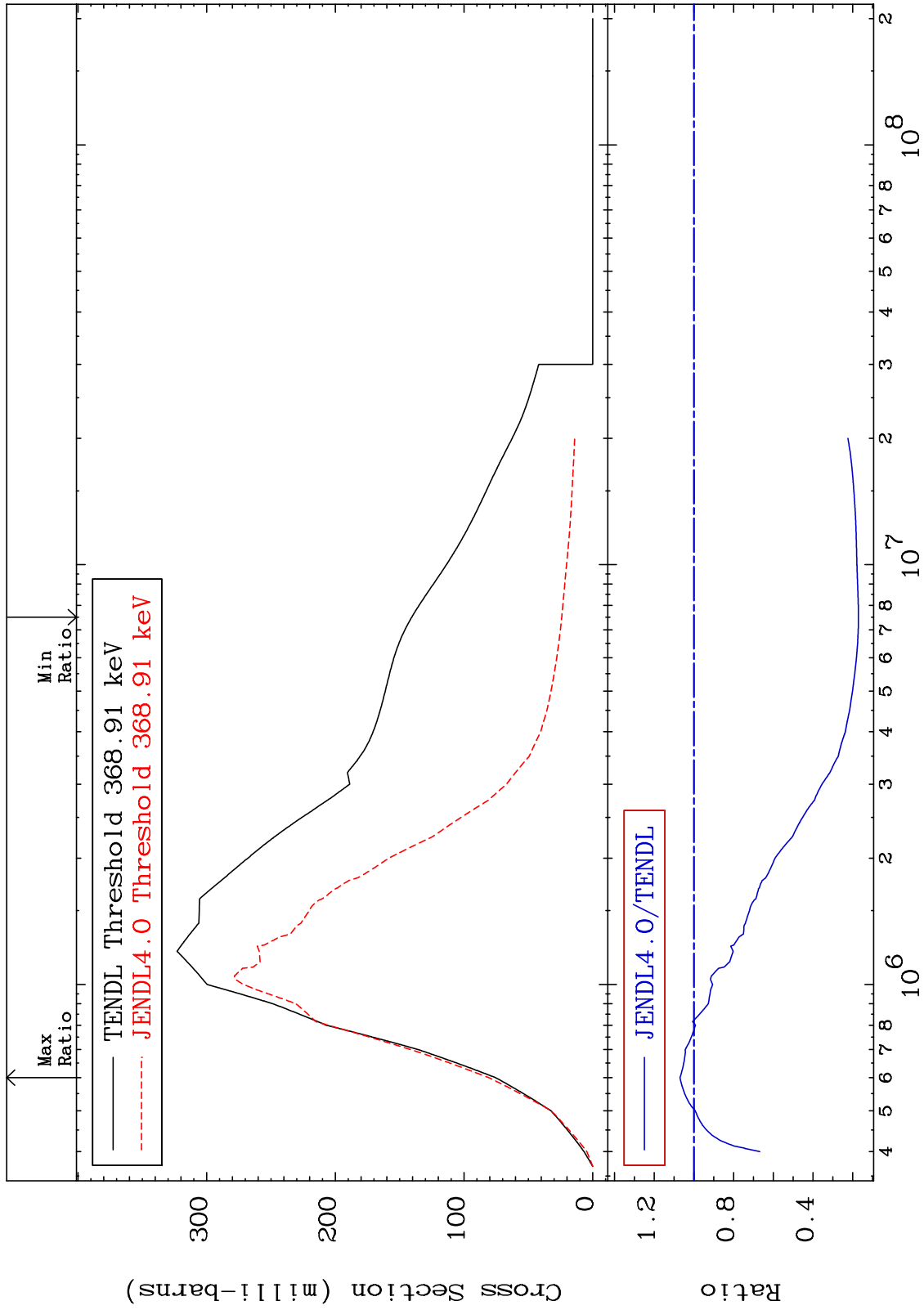
Incident Energy (eV)

62-Sm-152

MAT 6249 MT= 51 (n,n') Level 62-Sm-152
 Cross Section -44.32 To 77.02 %



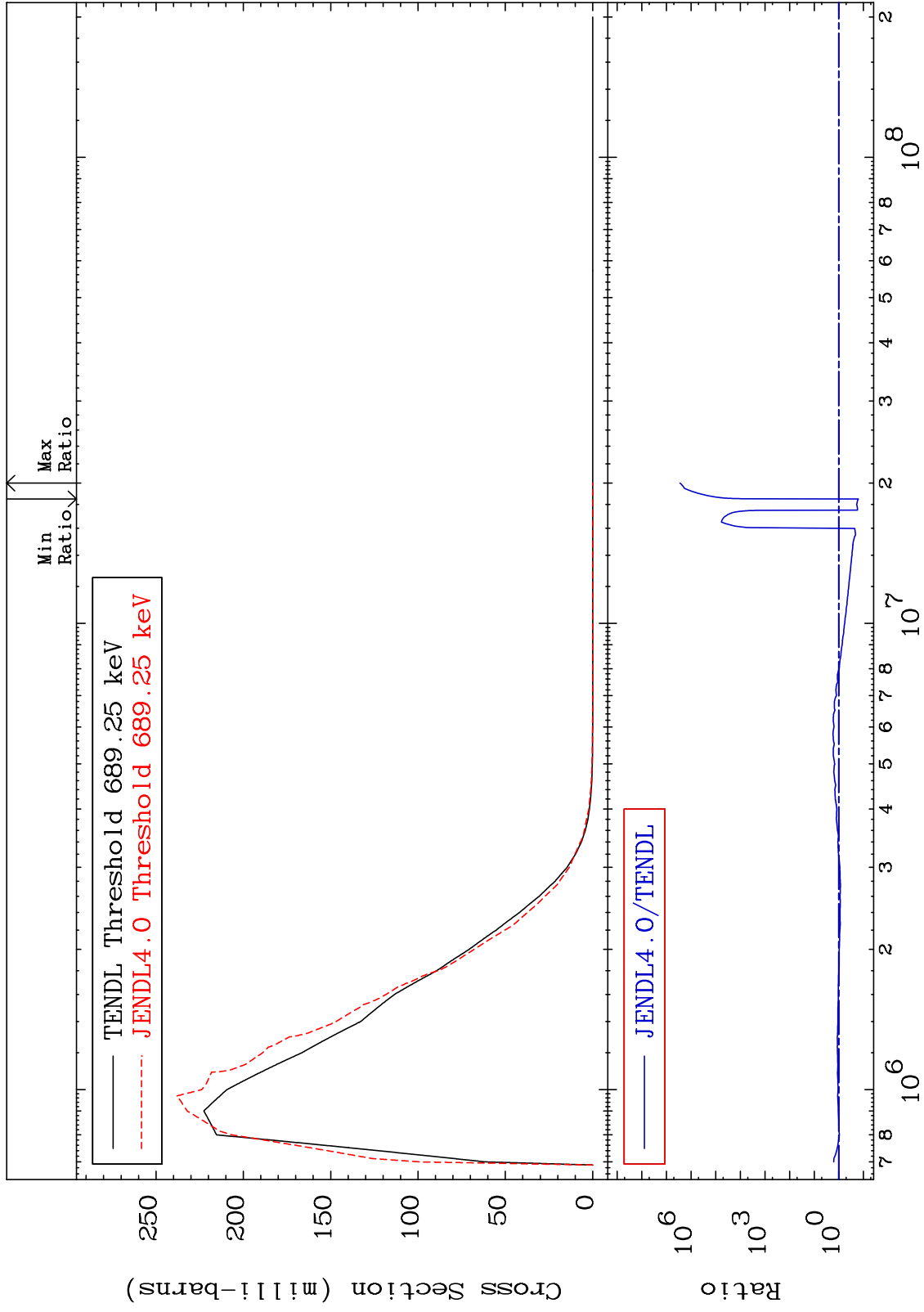
MAT 6249 MT= 52 (n,n') Level 62-Sm-152
 Cross Section -82.89 To 7.002 %



MAT 6249

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

62-Sm-152
-83.96 To 9999. %



13

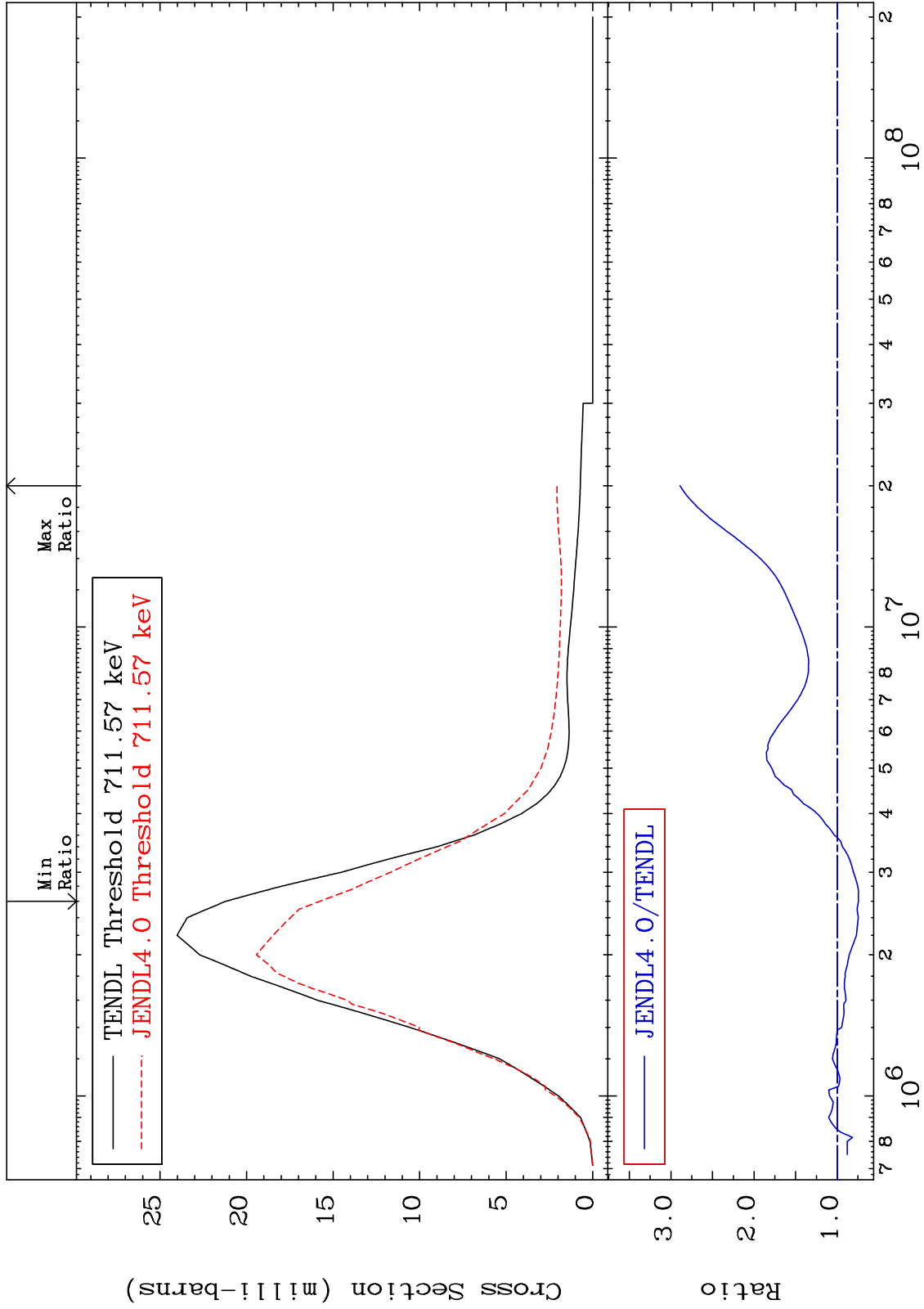
Incident Energy (eV)

62-Sm-152

MAT 6249

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

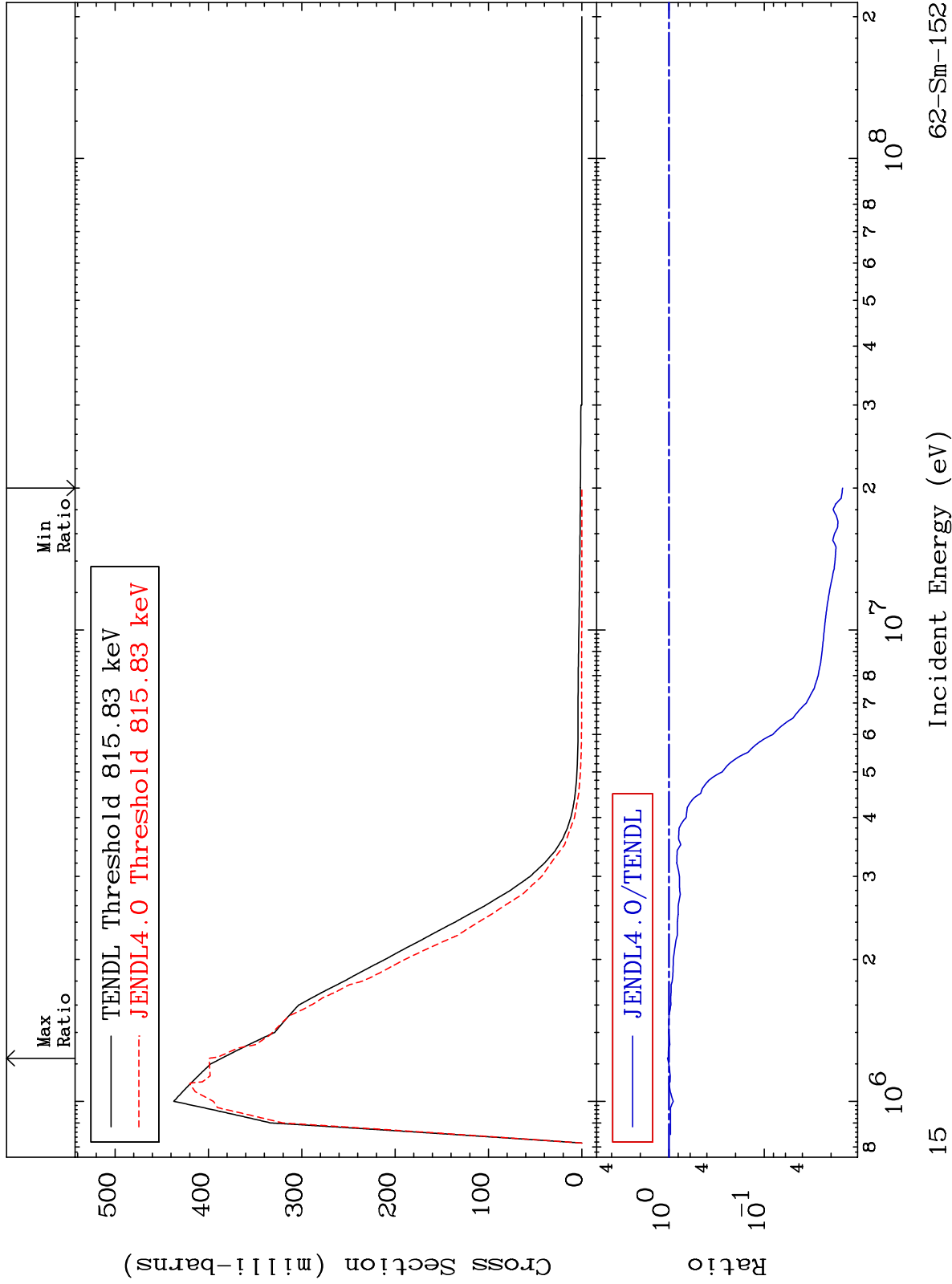
62-Sm-152
-25.56 To 189.1 %



MAT 6249

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

62-Sm-152
-98.49 To 3.425 %



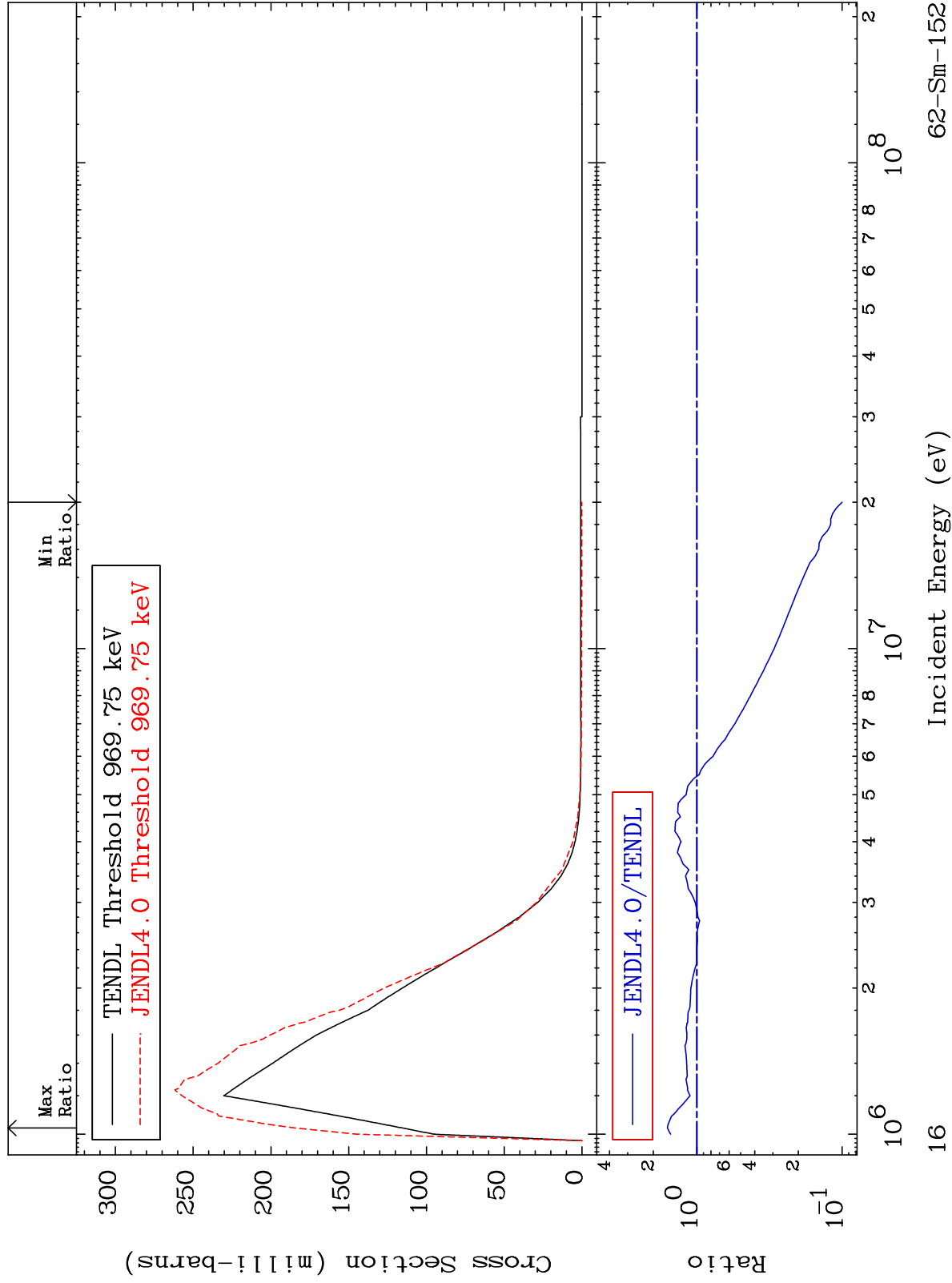
15

62-Sm-152

MAT 6249

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

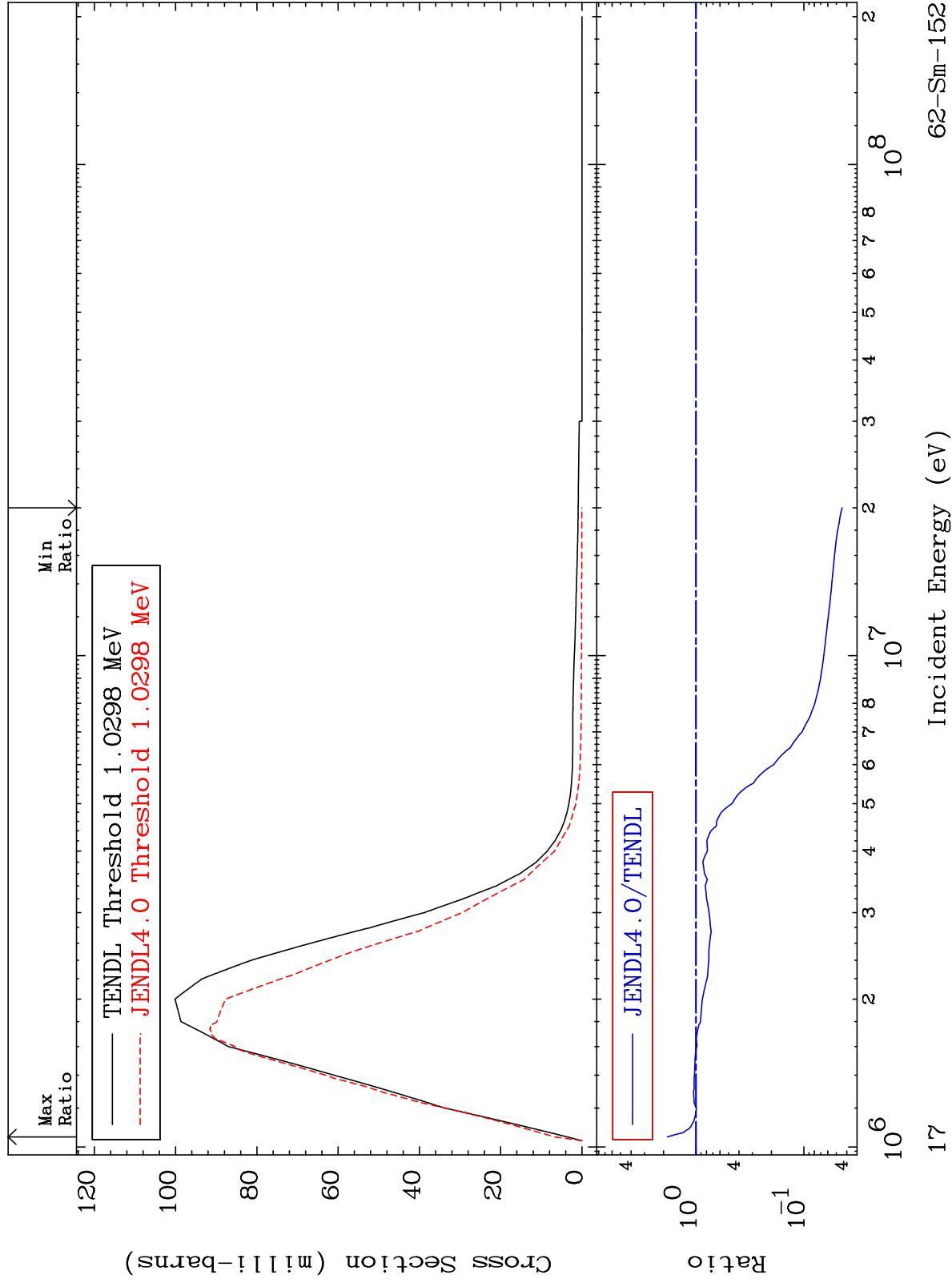
62-Sm-152
-90.02 To 59.70 %



MAT 6249

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

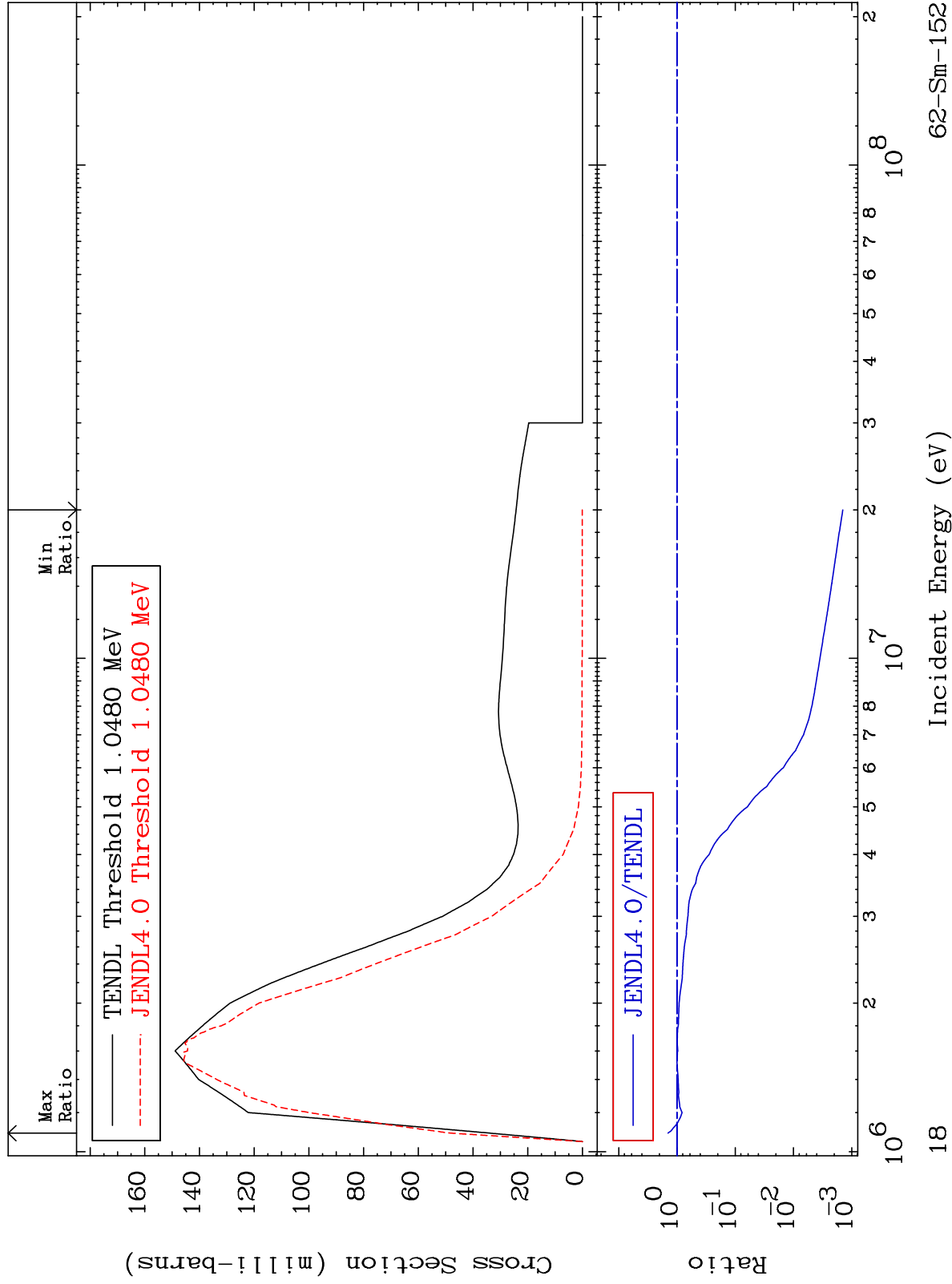
62-Sm-152
-95.57 To 84.24 %



MAT 6249

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

62-Sm-152
-99.86 To 42.34 %

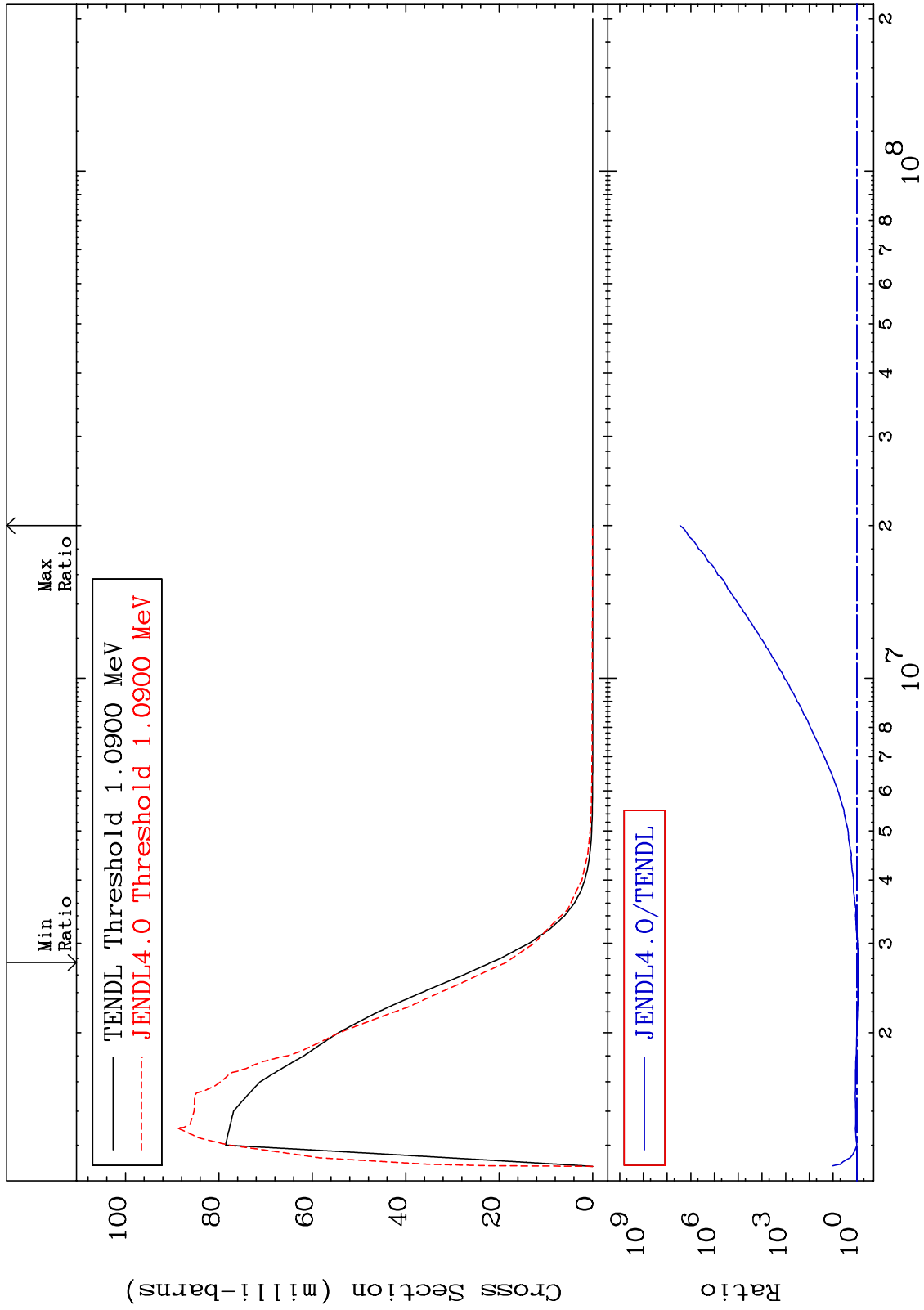


18

MAT 6249

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

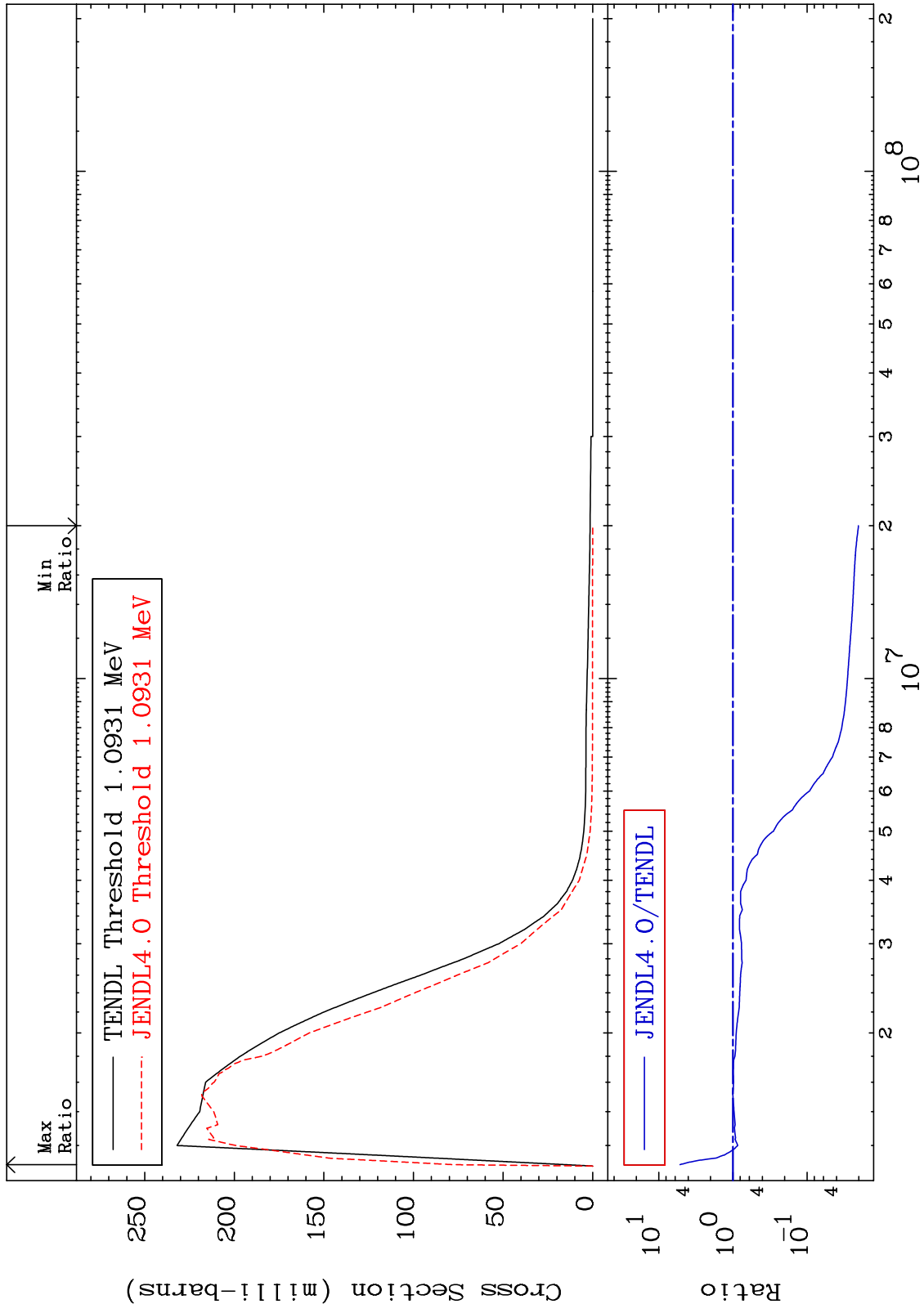
62-Sm-152
-14.77 To 9999. %



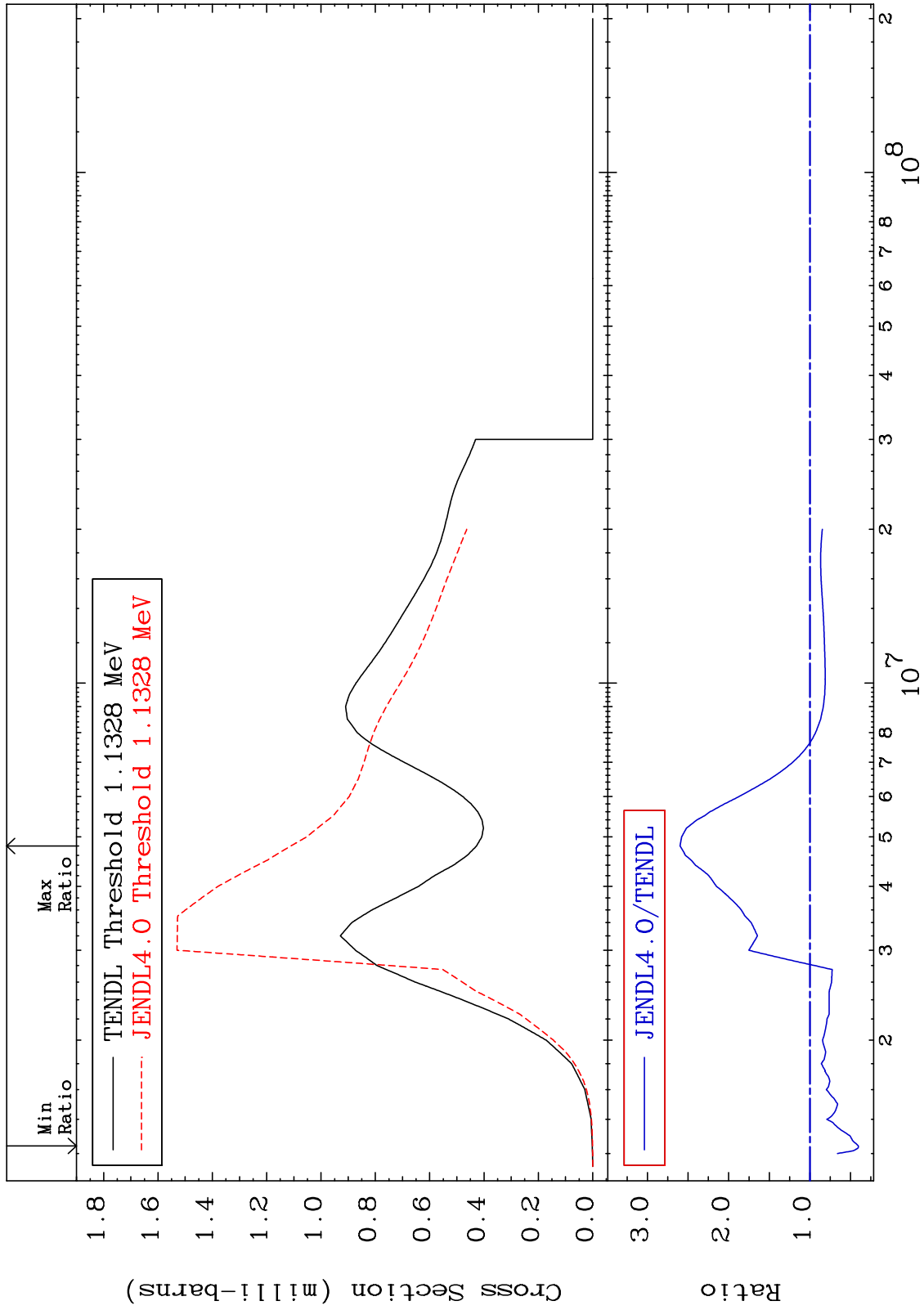
MAT 6249

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

62-Sm-152
-97.97 To 416.5 %



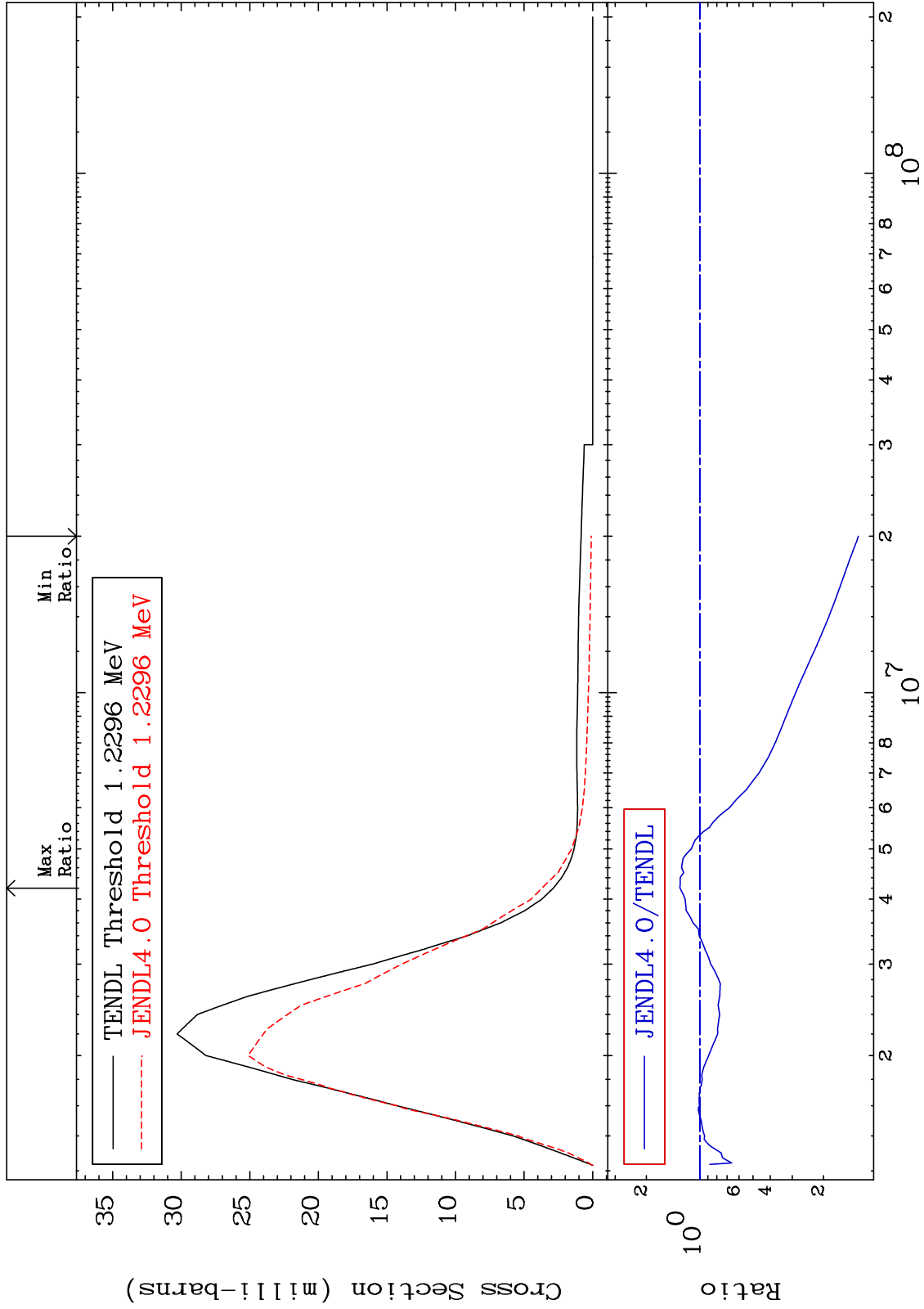
MAT 6249 MT= 61 (n,n') Level
 Cross Section 62-Sm-152
 -59.64 To 159.9 %



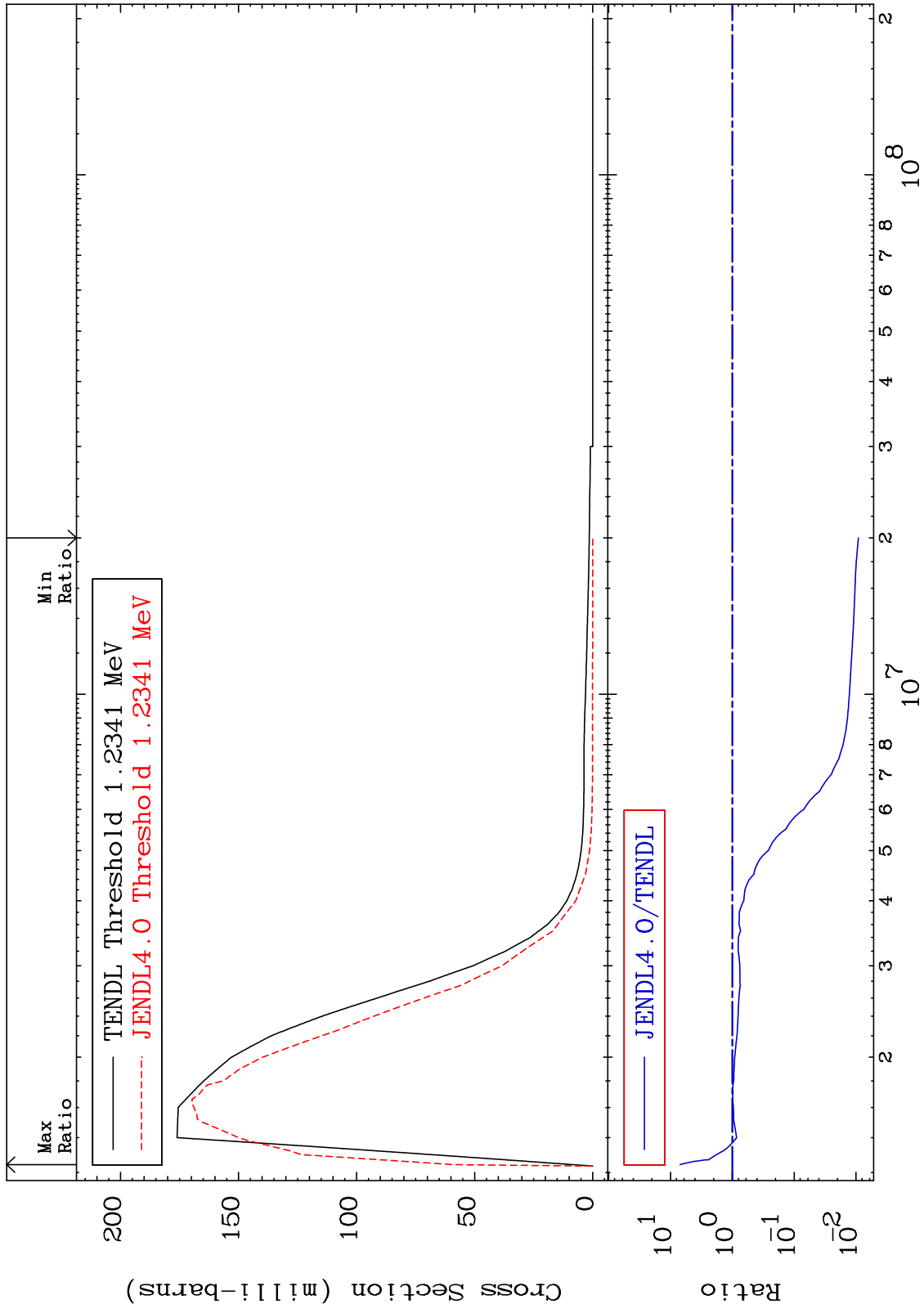
MAT 6249

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

62-Sm-152
-87.29 To 29.18 %



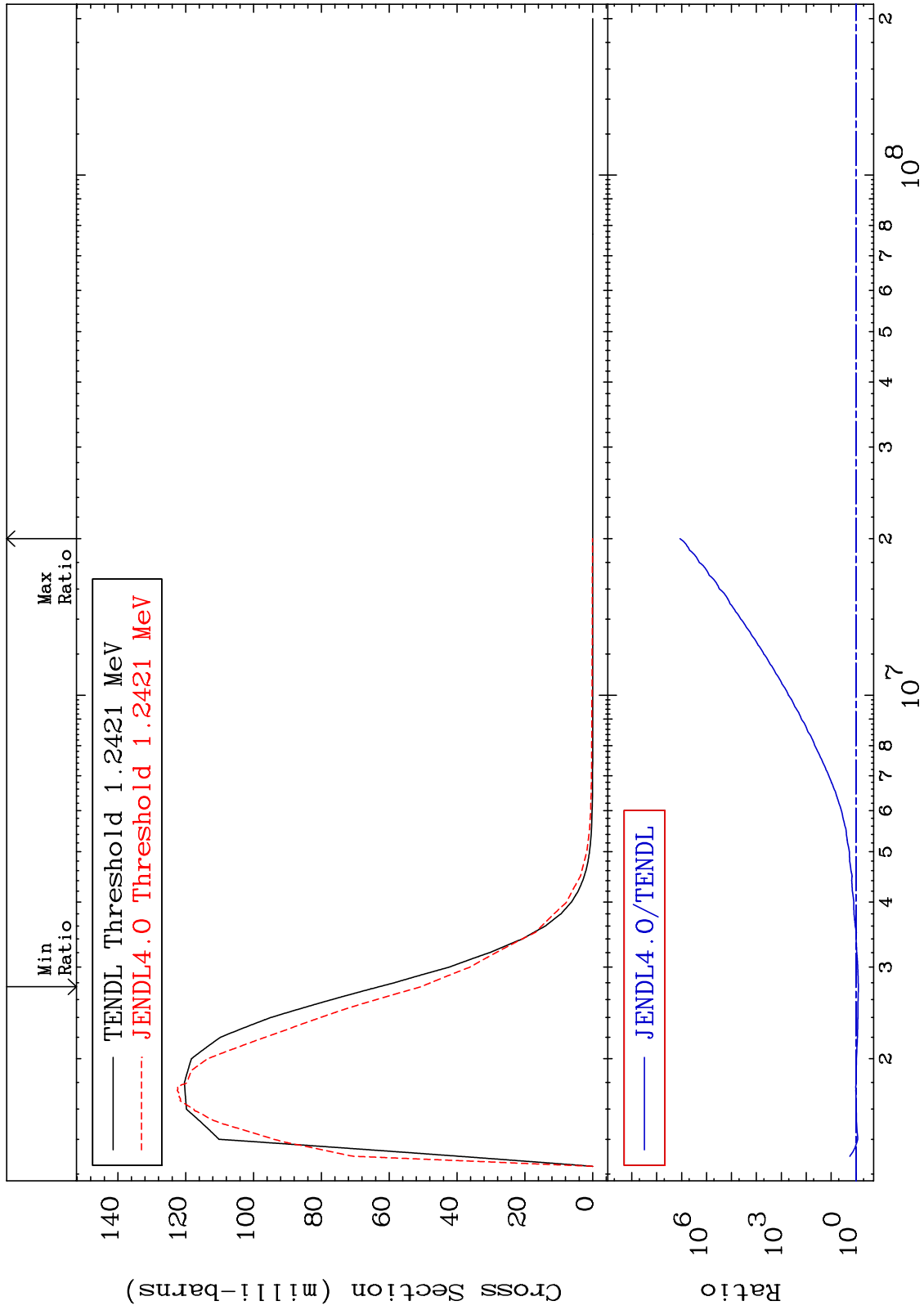
MAT 6249 MT= 63 (n,n') Level 62-Sm-152
 Cross Section -99.08 To 600.8 %



MAT 6249

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

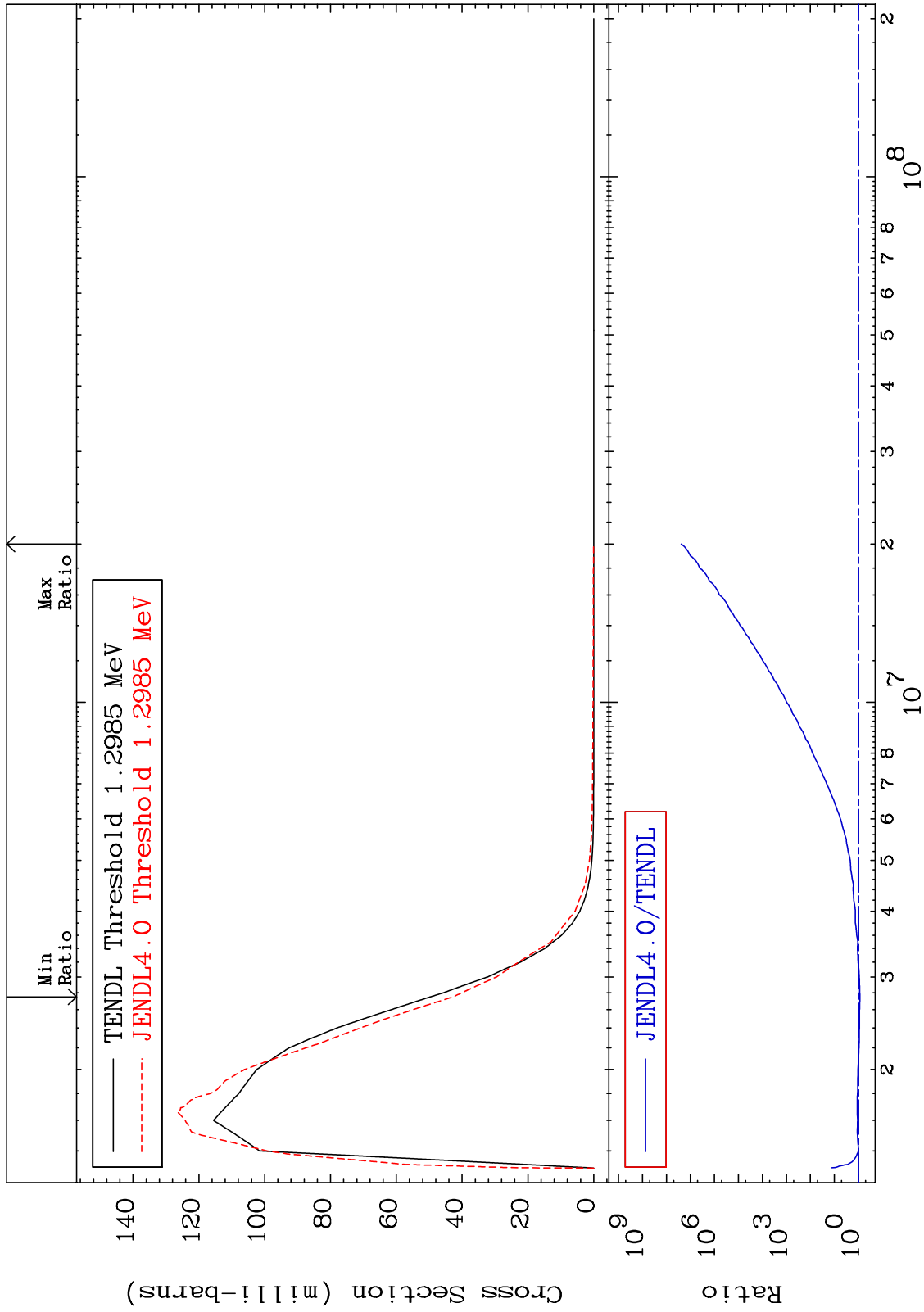
62-Sm-152
-19.66 To 9999. %



MAT 6249

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

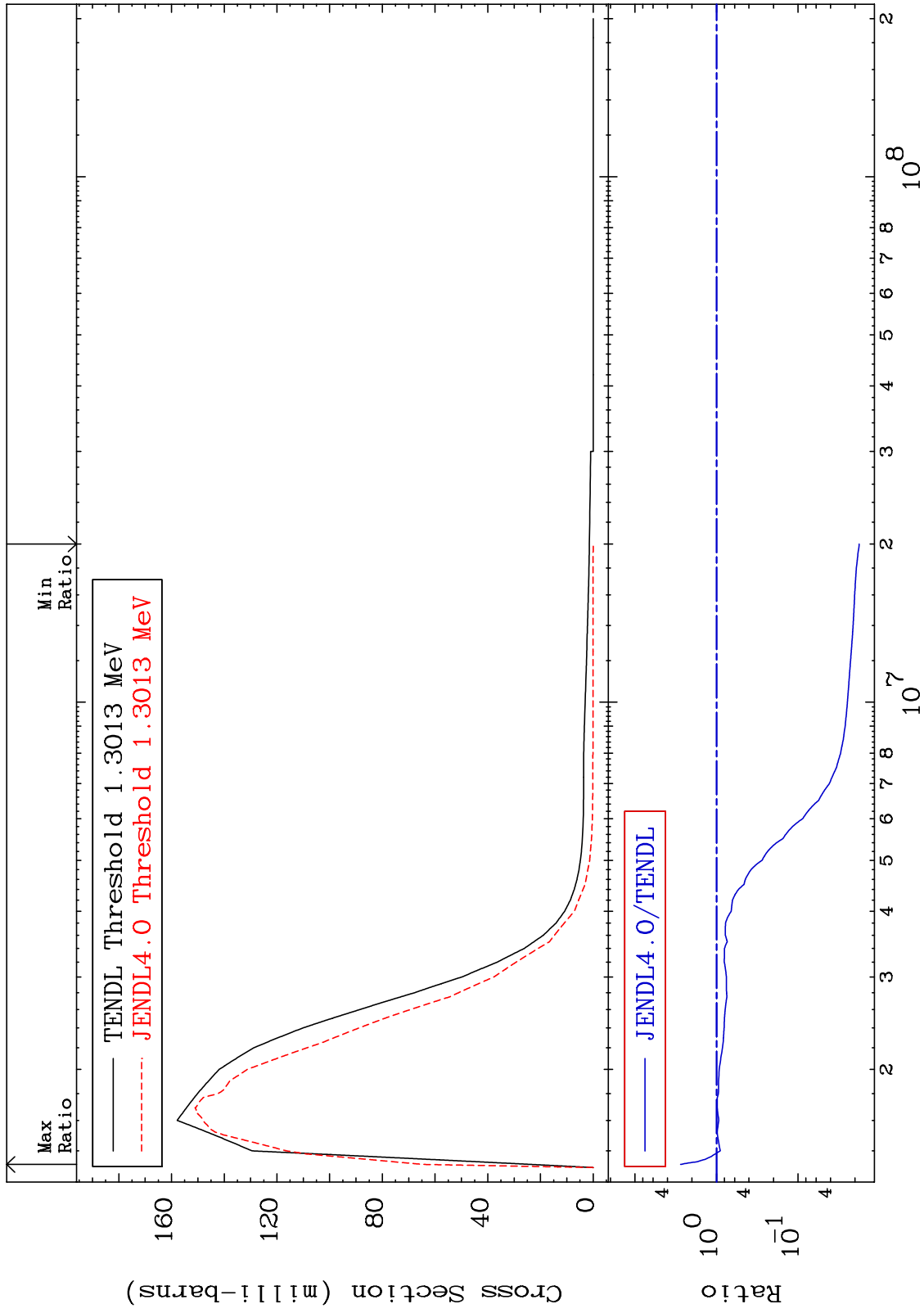
62-Sm-152
-13.94 To 9999. %



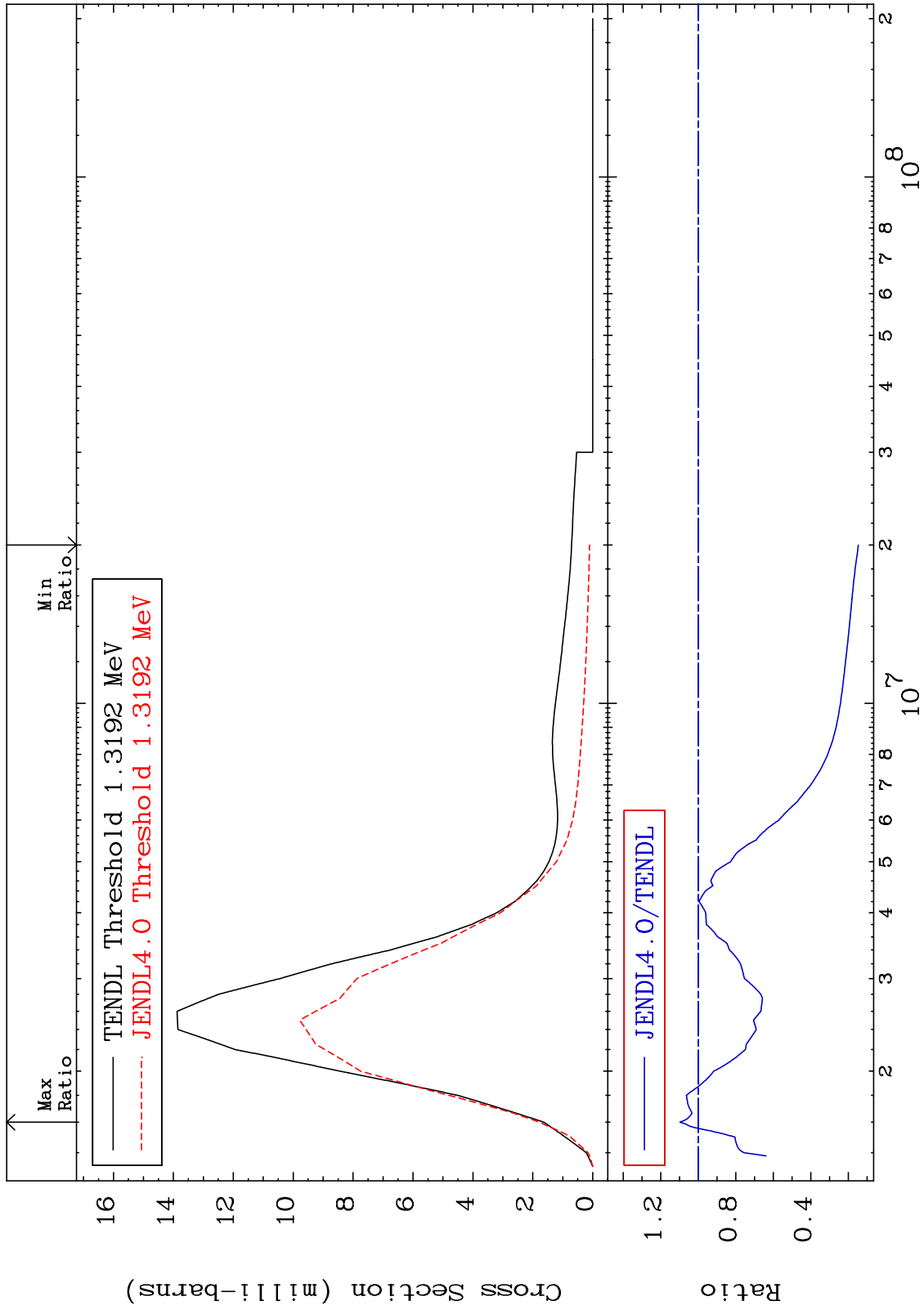
MAT 6249

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

62-Sm-152
-98.22 To 175.4 %



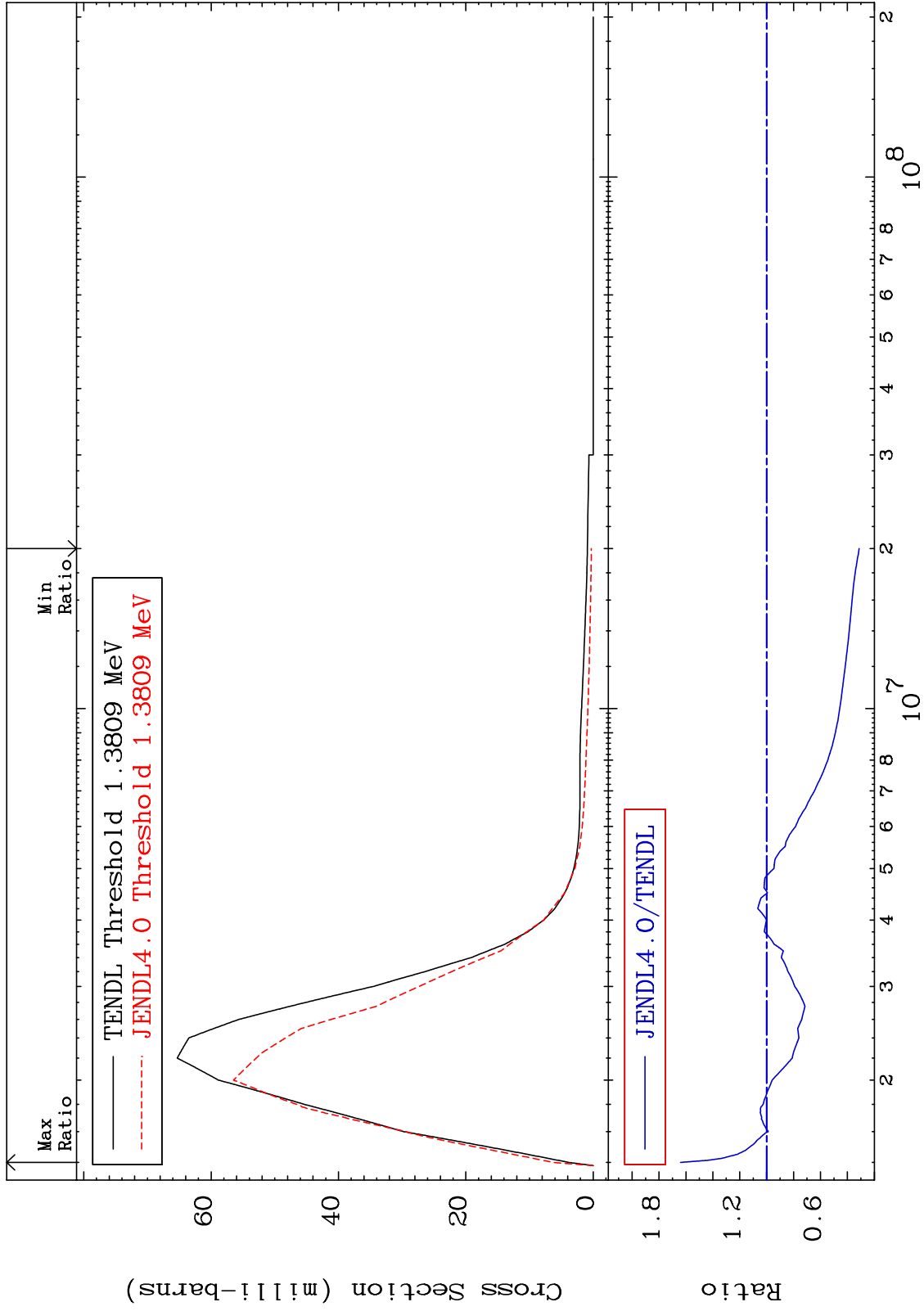
MAT 6249 MT= 67 (n, n') Level Cross Section 62-Sm-152
 -85.35 To 9.703 %



MAT 6249

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

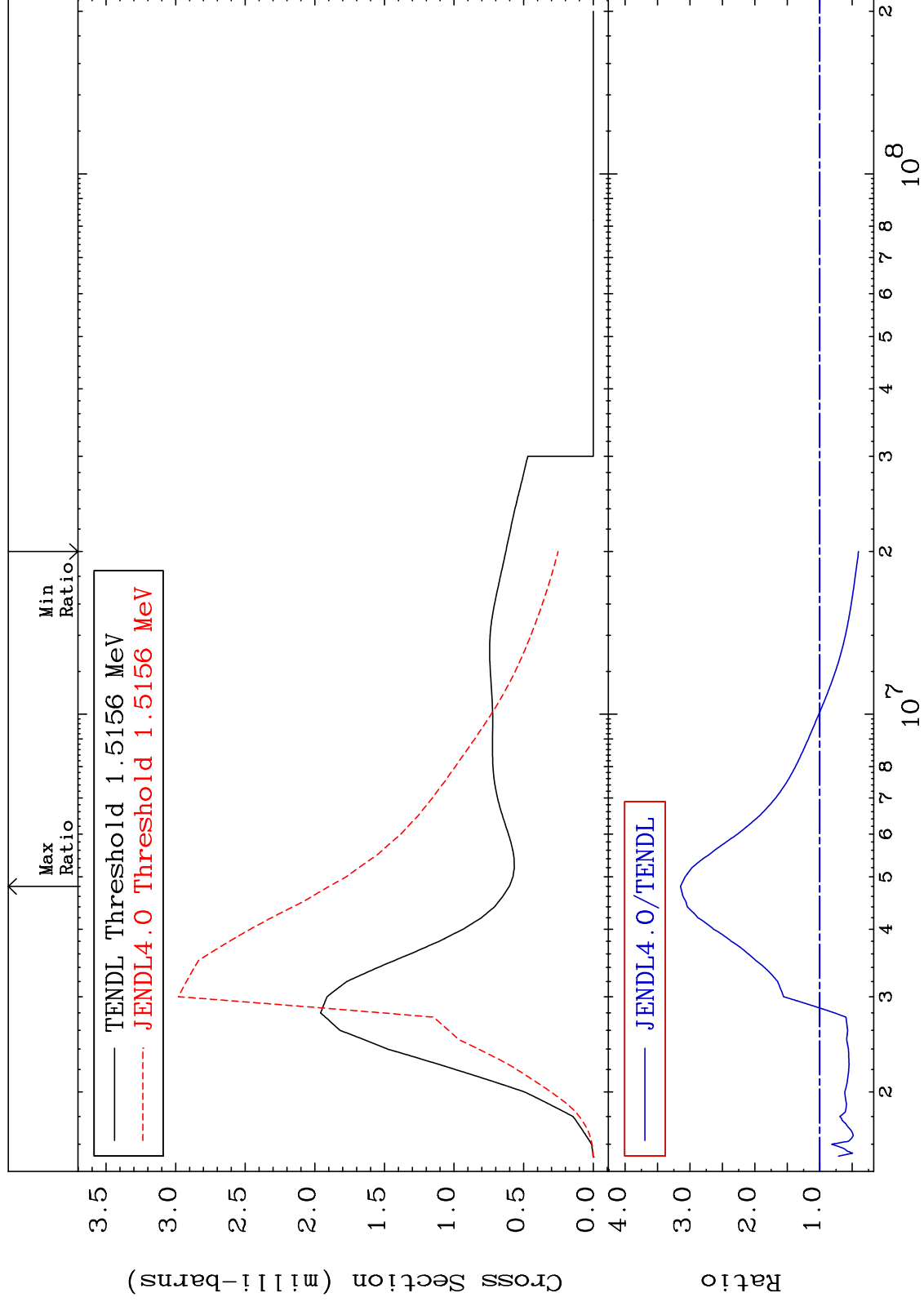
62-Sm-152
-68.73 To 63.92 %



MAT 6249

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

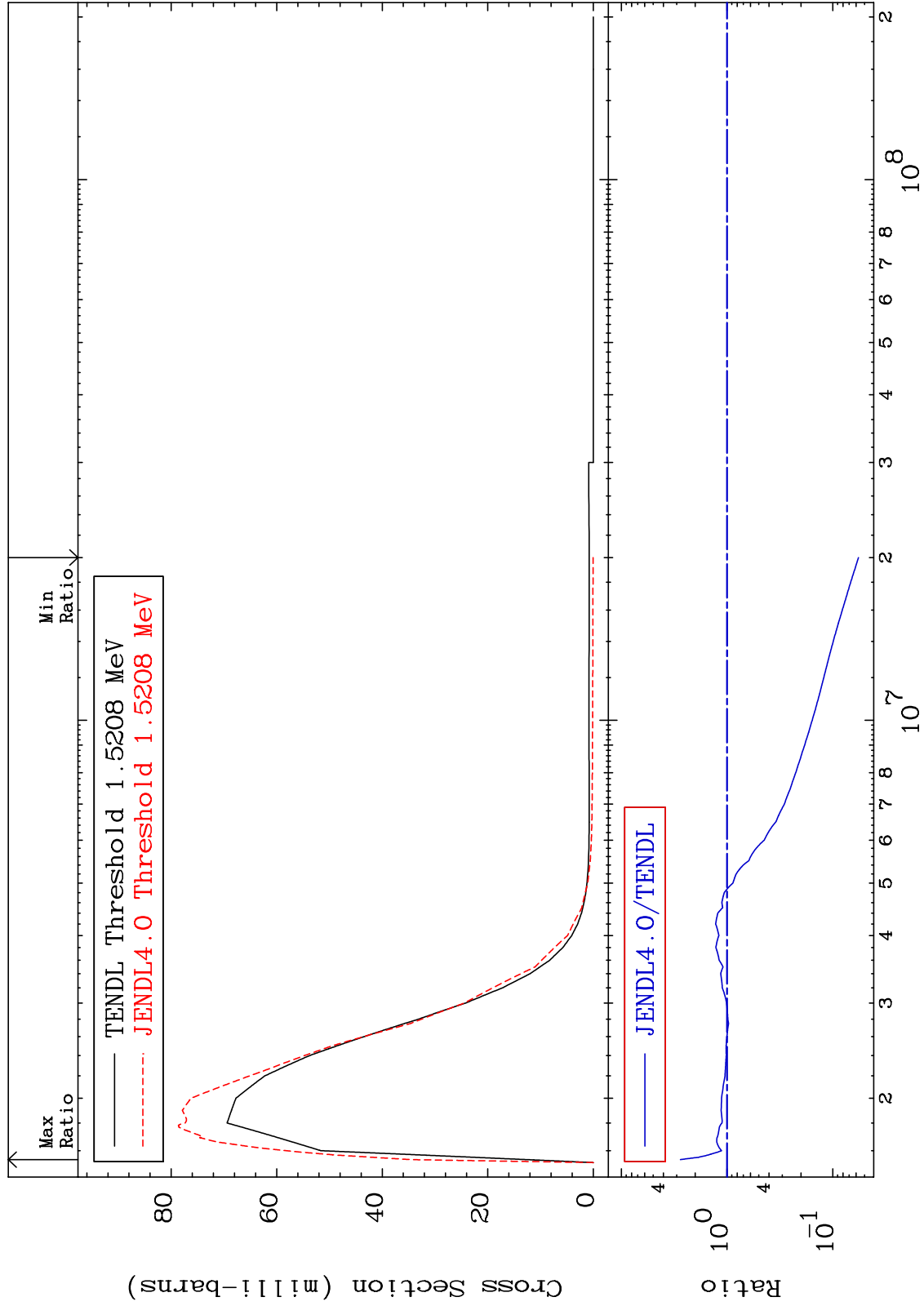
62-Sm-152
-59.71 To 214.7 %



MAT 6249

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

62-Sm-152
-94.30 To 175.7 %



30

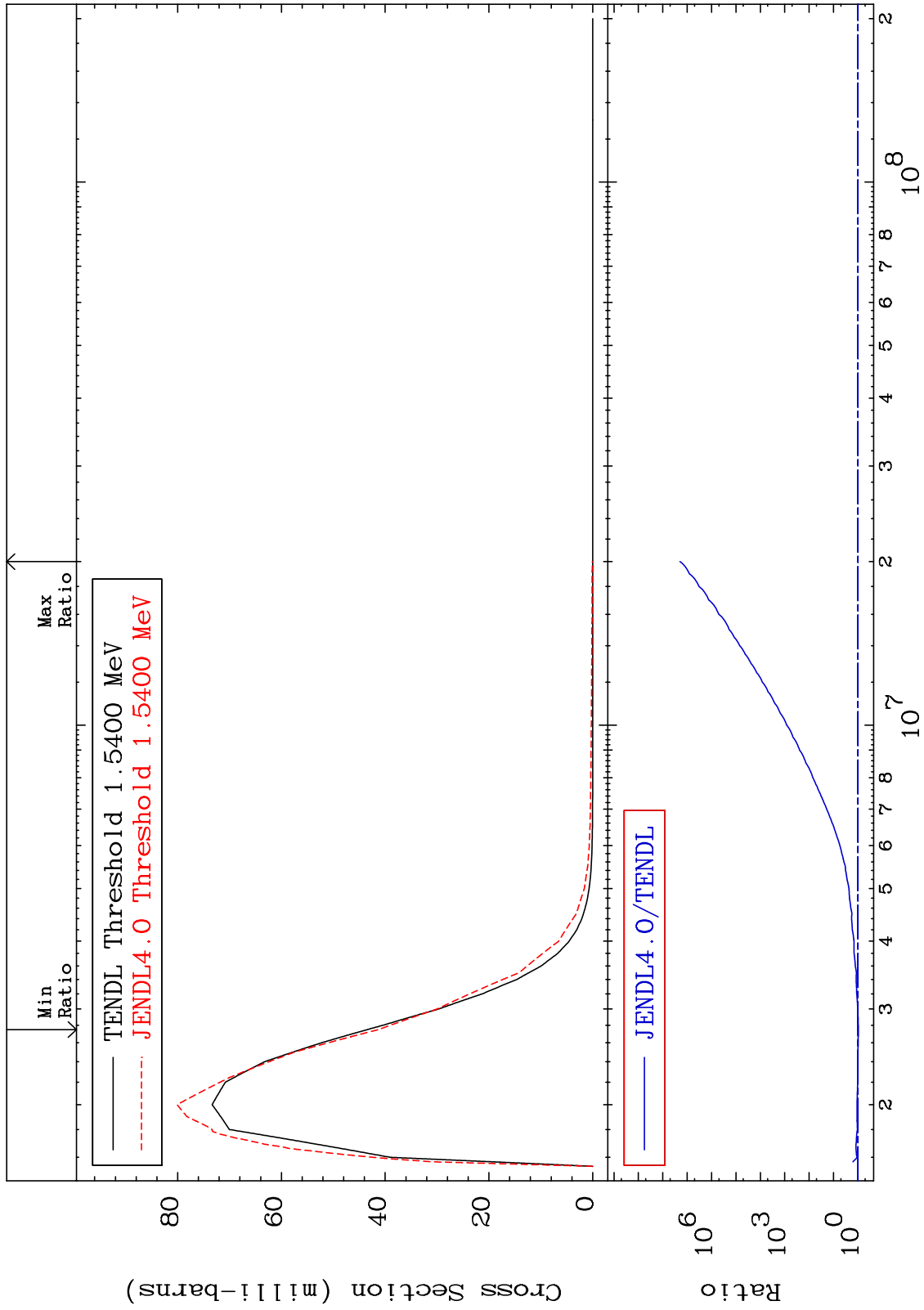
Incident Energy (eV)

62-Sm-152

MAT 6249

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

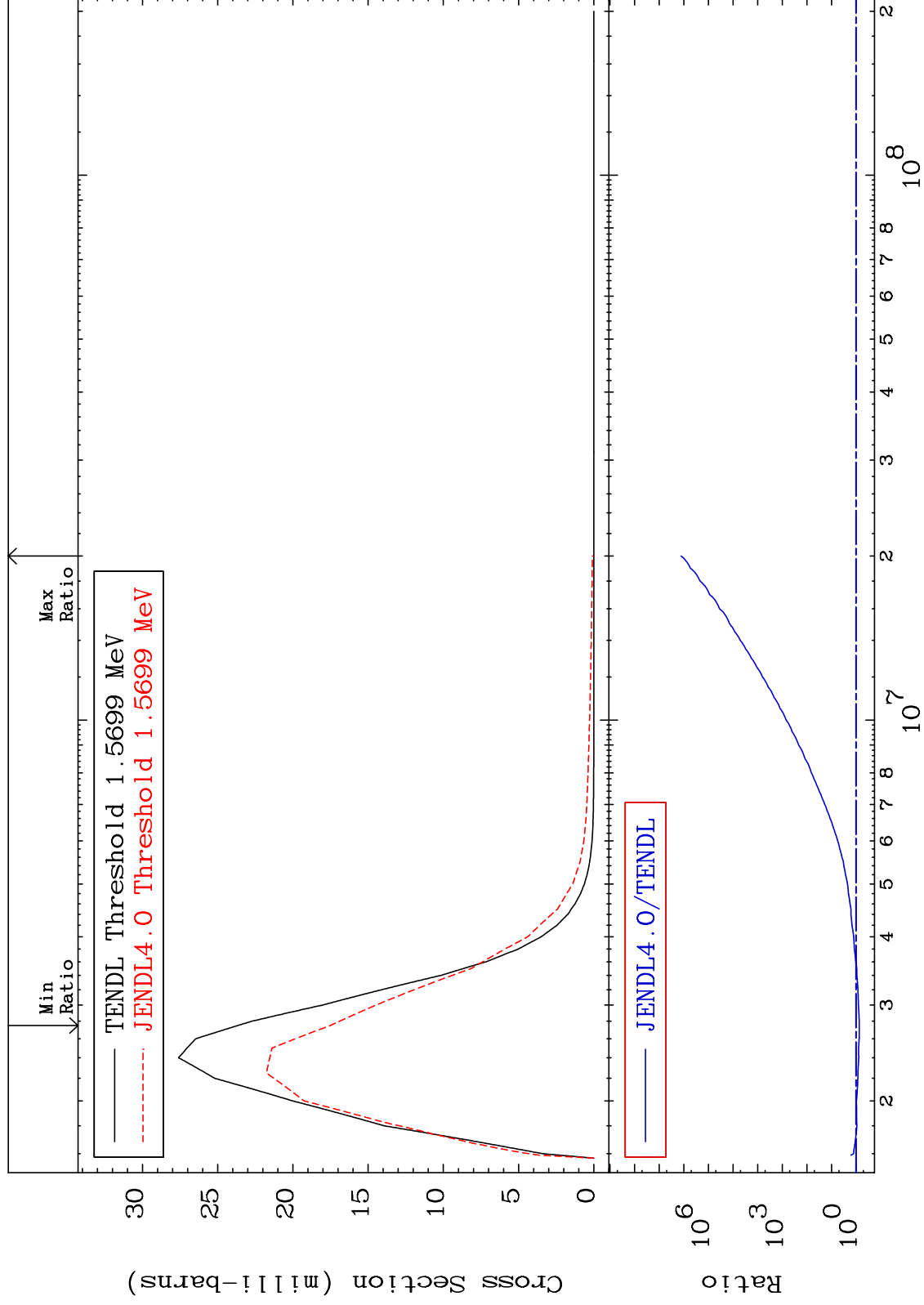
62-Sm-152
-4.887 To 9999. %



MAT 6249

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

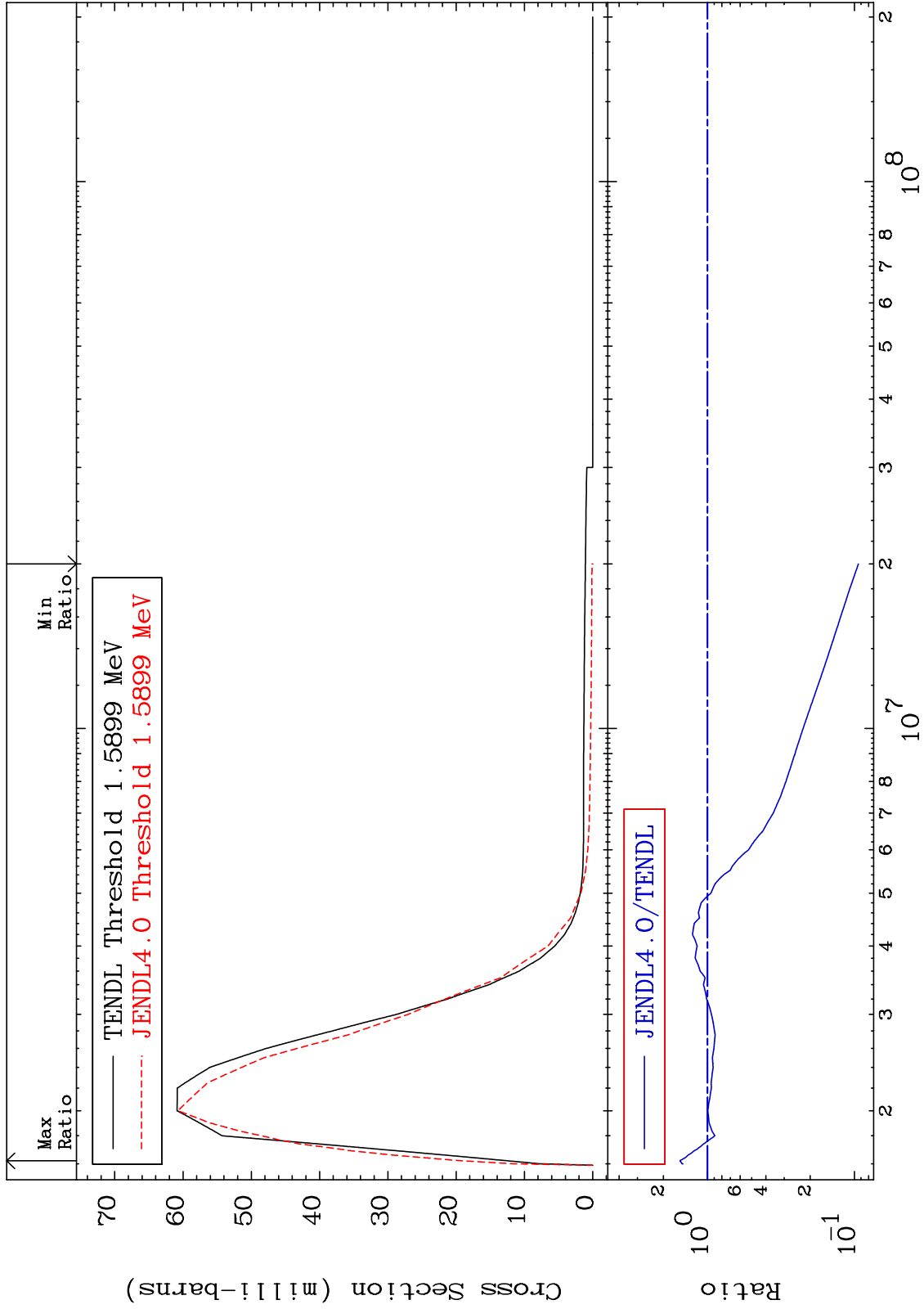
62-Sm-152
-25.98 To 9999. %



MAT 6249

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

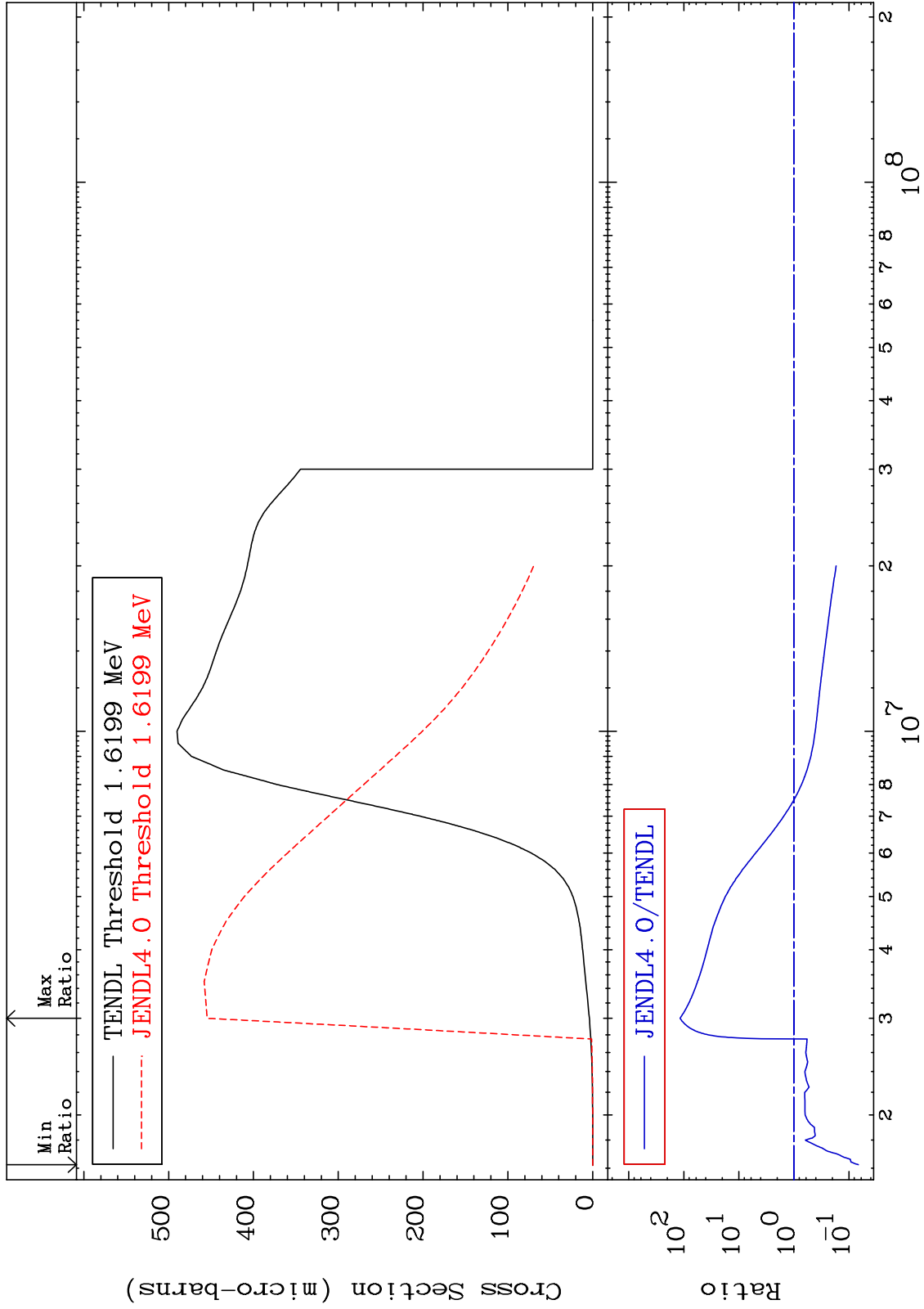
62-Sm-152
-90.62 To 53.96 %



MAT 6249

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

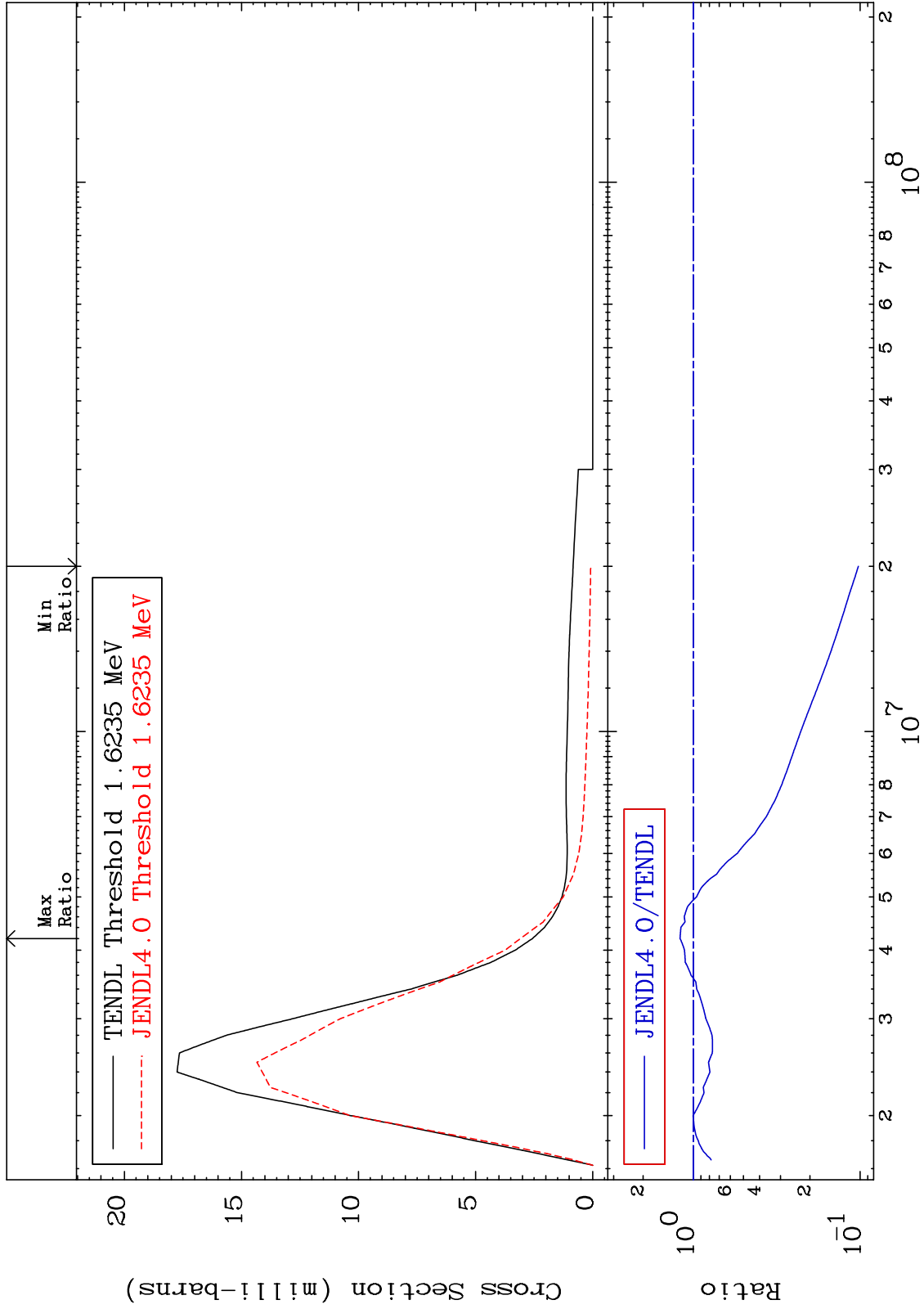
62-Sm-152
-93.27 To 9999. %



MAT 6249

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

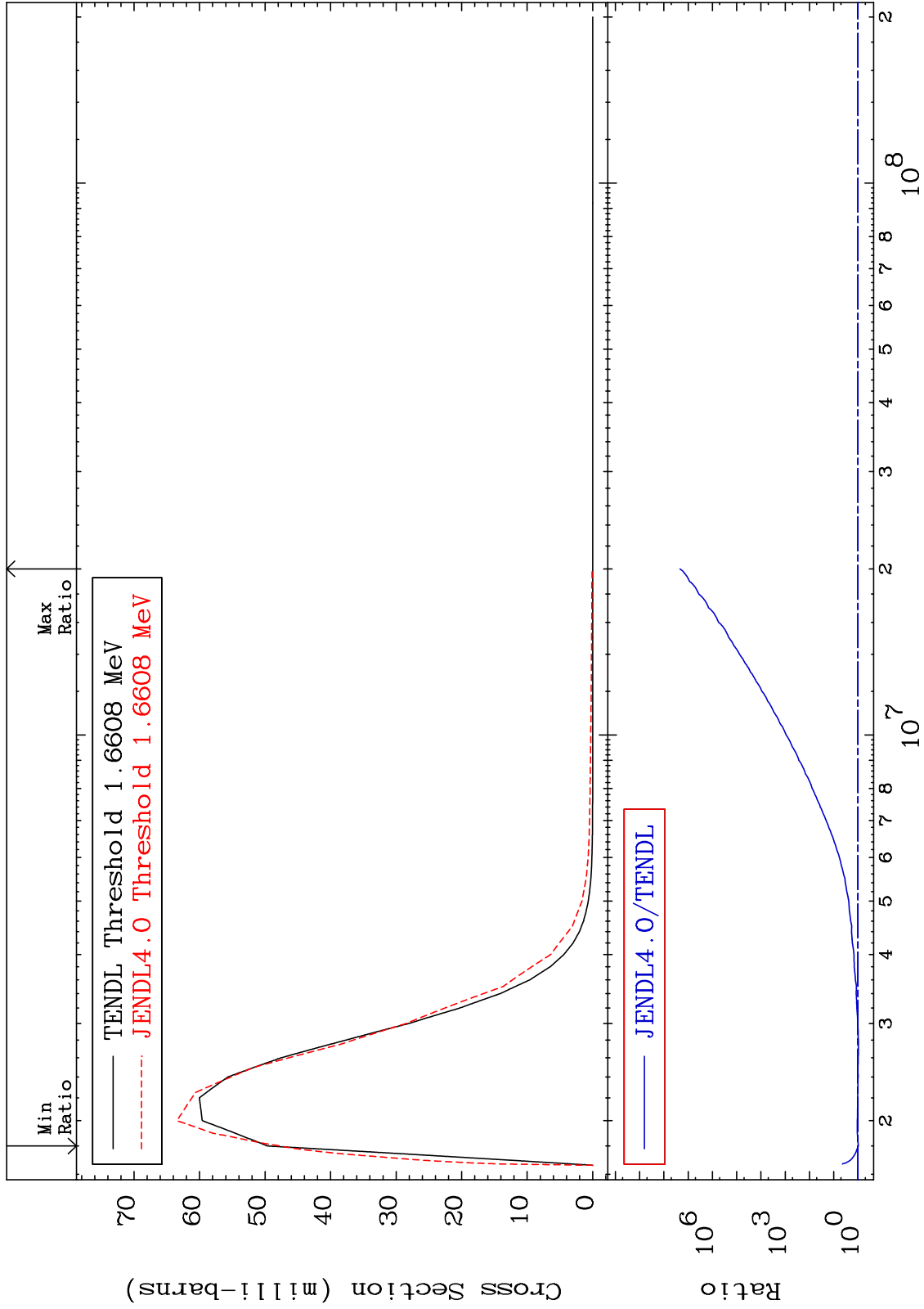
62-Sm-152
-89.77 To 20.11 %



MAT 6249

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

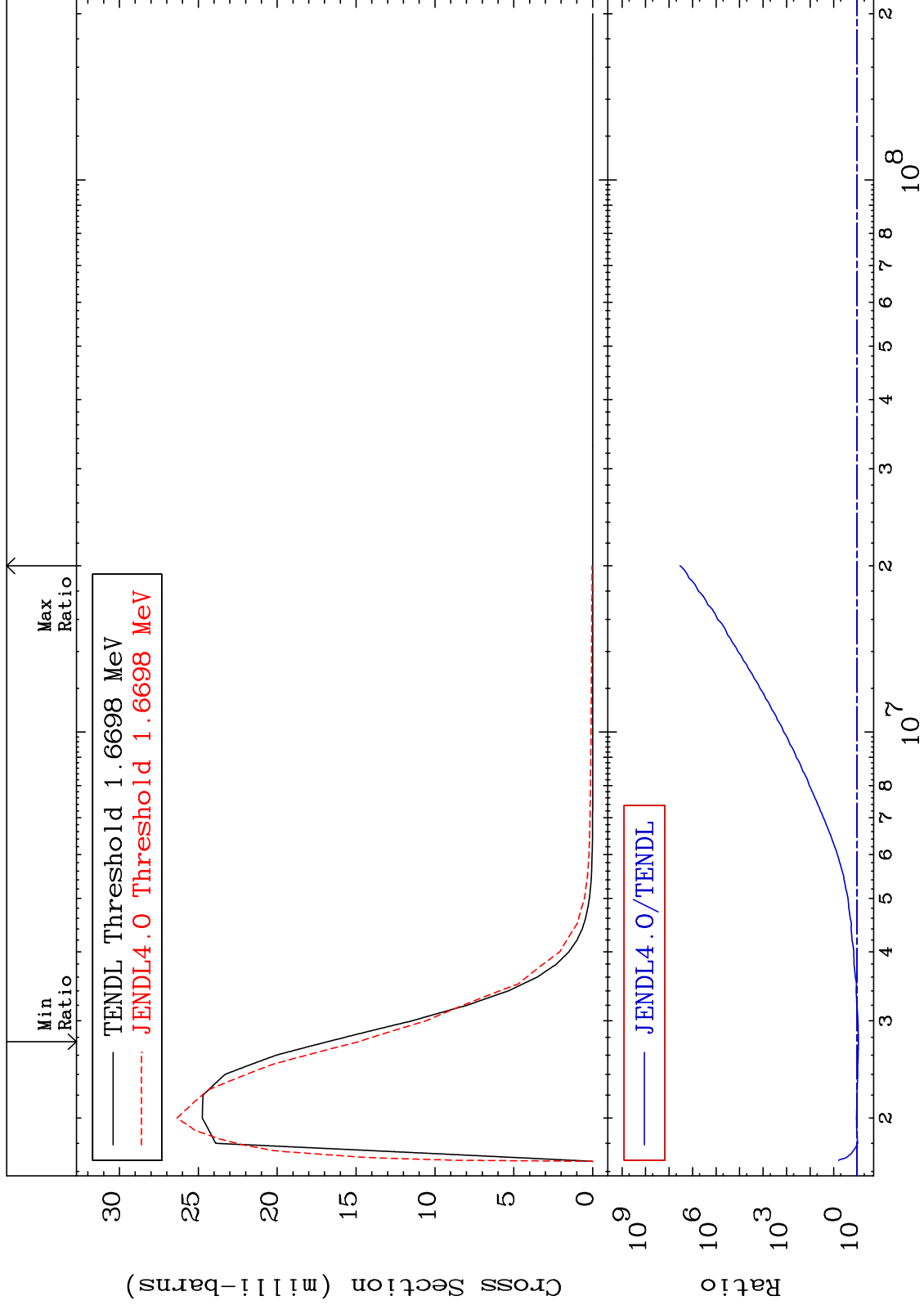
62-Sm-152
-4.061 To 9999. %



MAT 6249

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

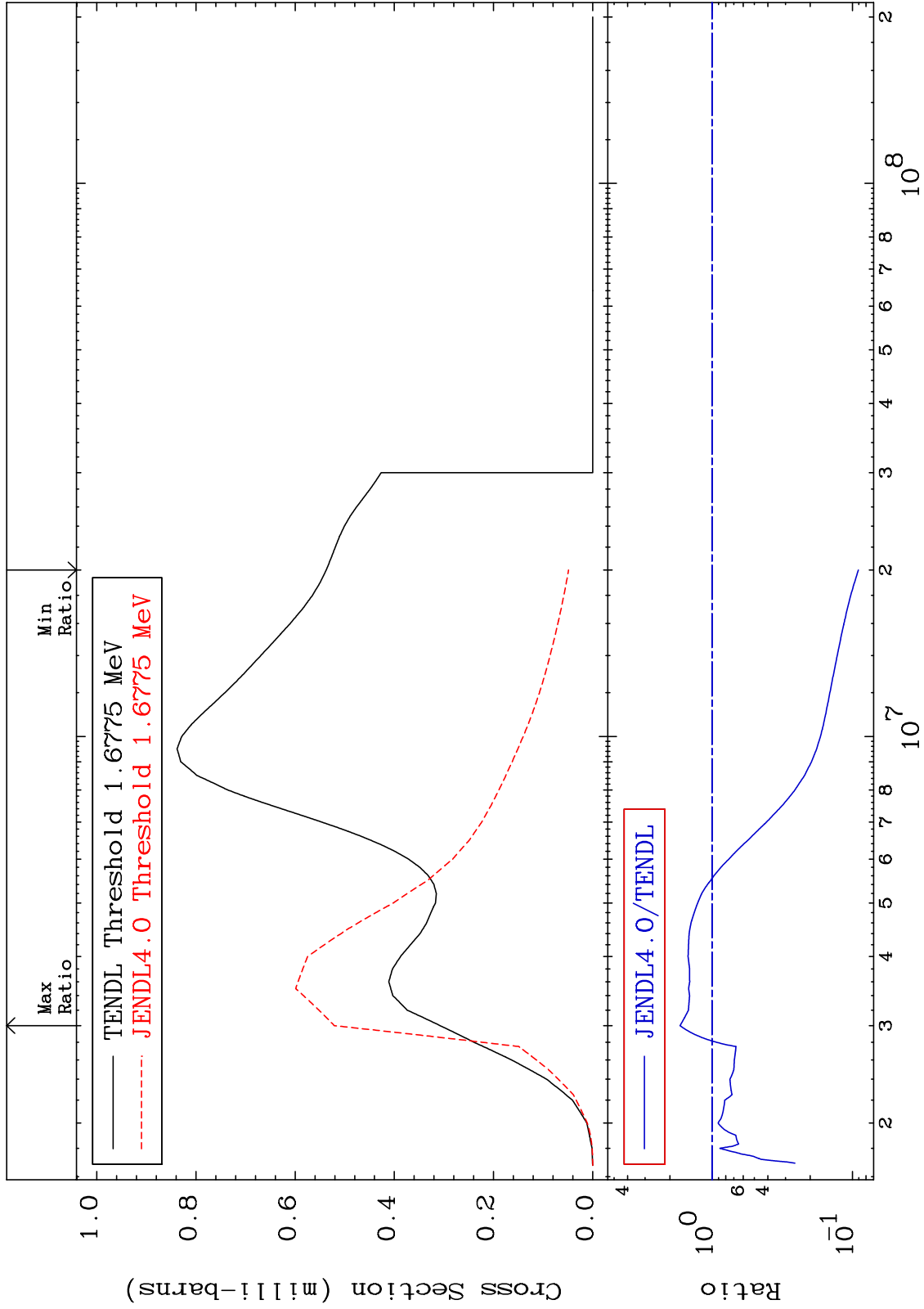
62-Sm-152
-11.71 To 9999. %



MAT 6249

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

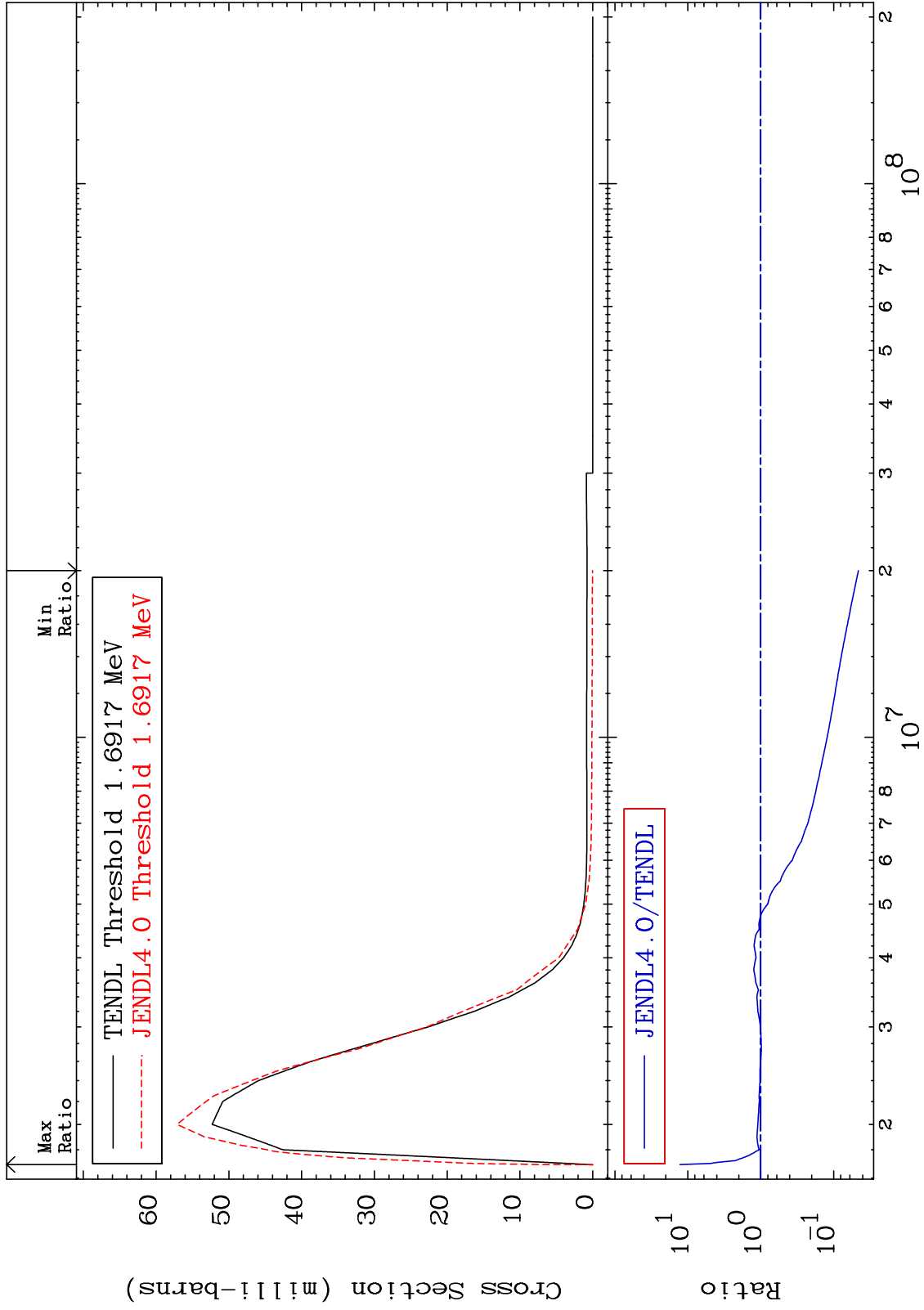
62-Sm-152
-90.93 To 69.29 %



MAT 6249

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

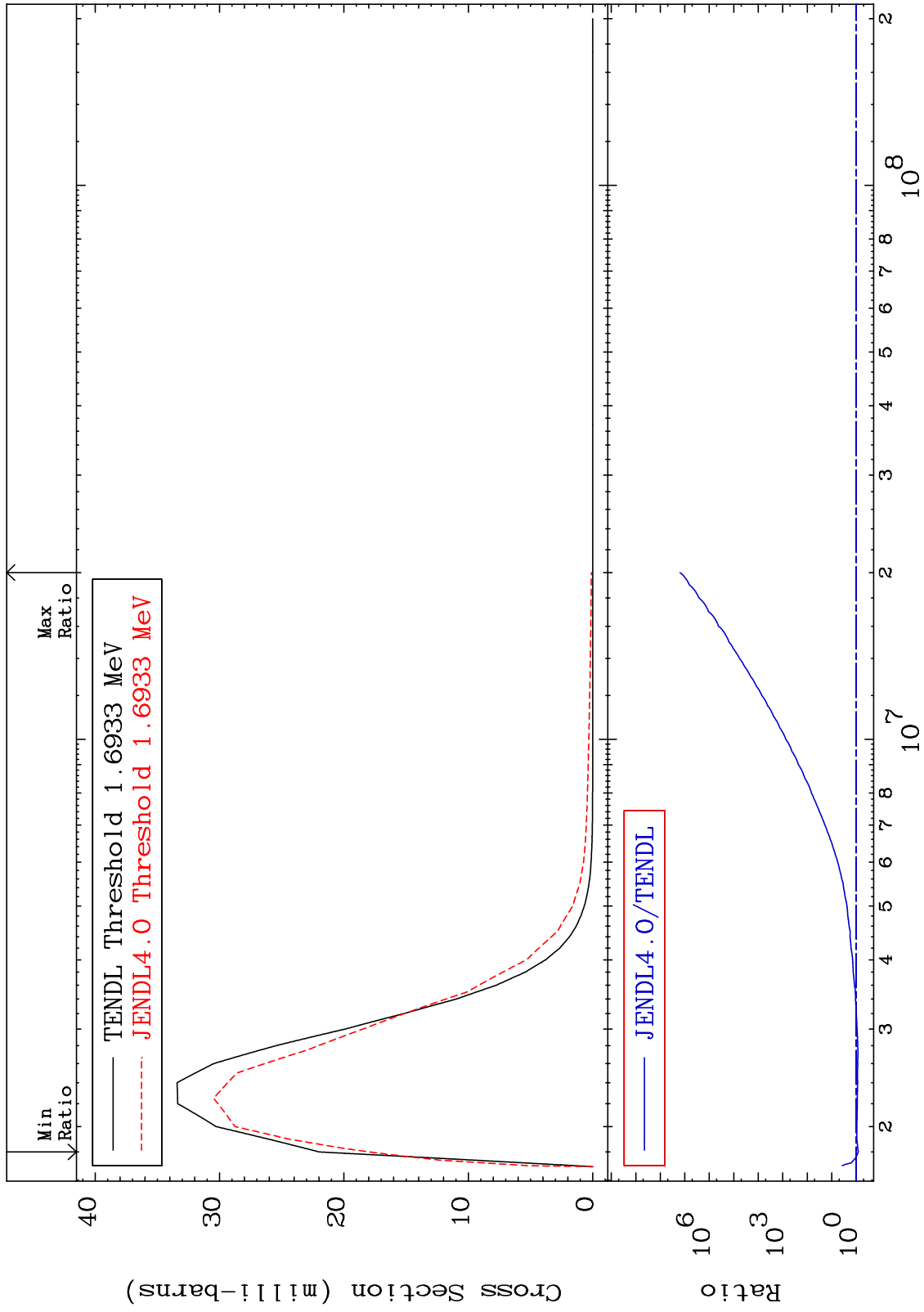
62-Sm-152
-95.43 To 1179. %



MAT 6249

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

62-Sm-152
-18.38 To 9999. %



40

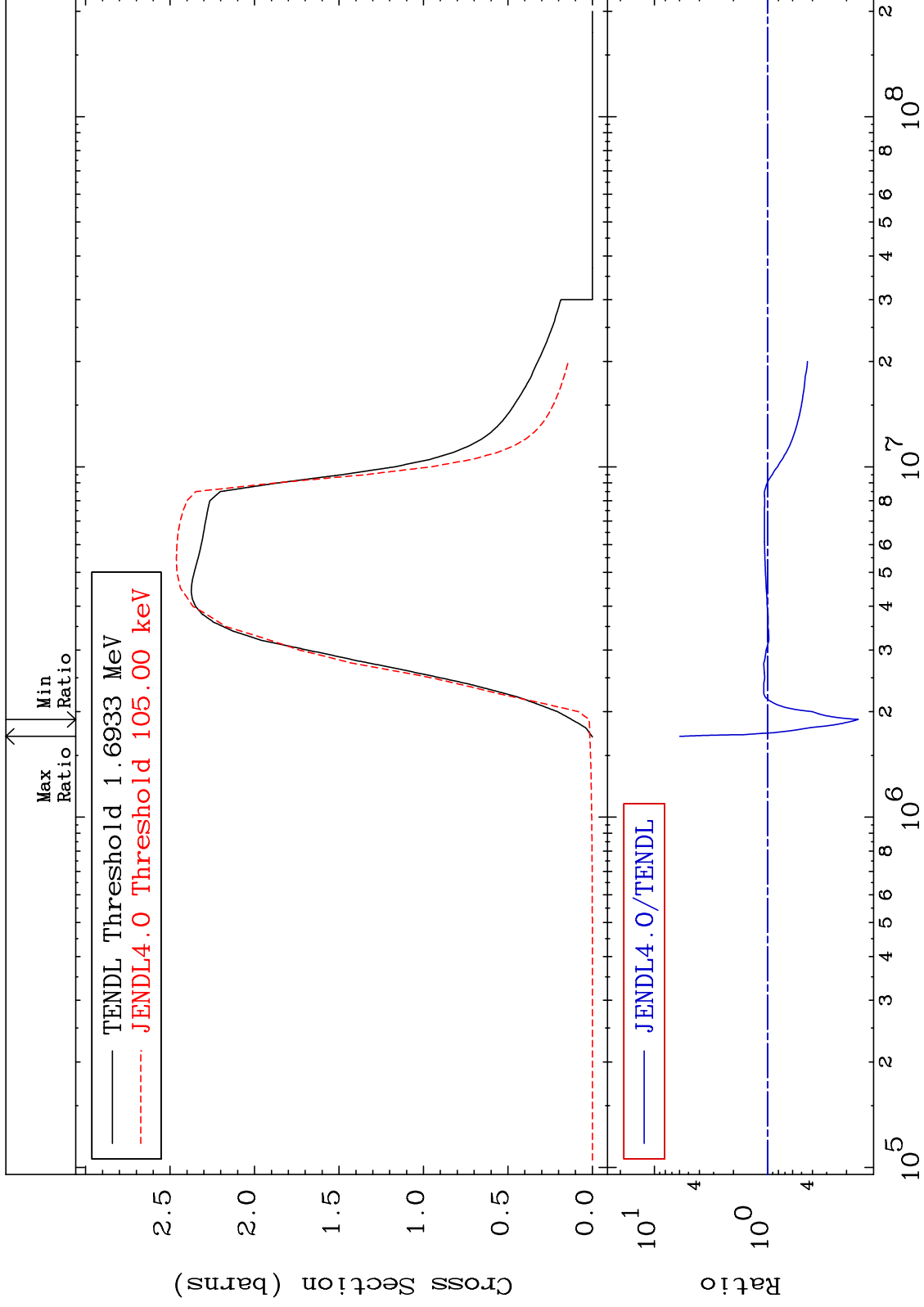
Incident Energy (eV)

62-Sm-152

MAT 6249

(n, n') Continuum
Cross Section

62-Sm-152
-84.27 To 496.3 %



41

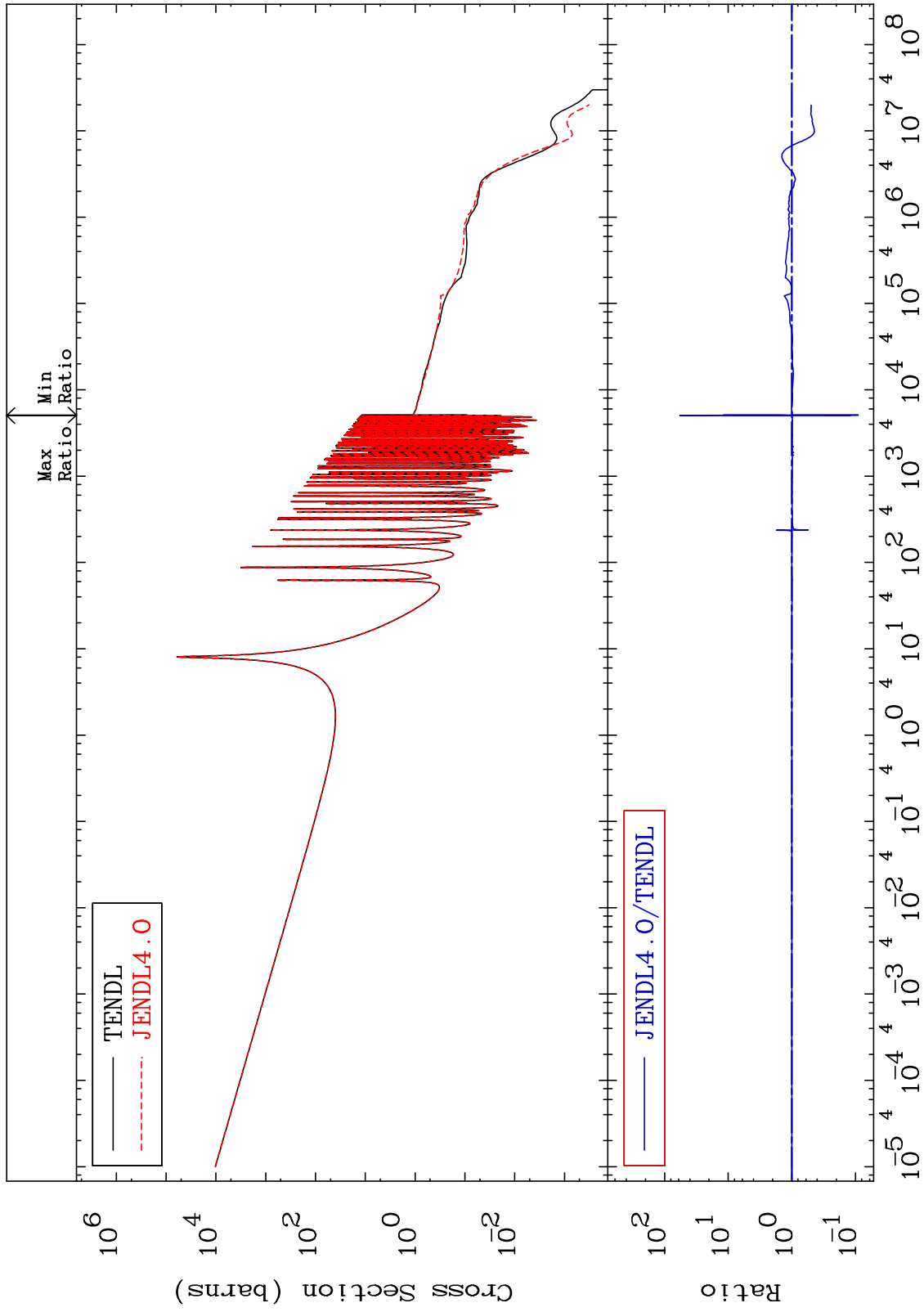
Incident Energy (eV)

62-Sm-152

MAT 6249

(n, γ)
Cross Section

62-Sm-152
-90.99 To 5619. %



42

Incident Energy (eV)

62-Sm-152

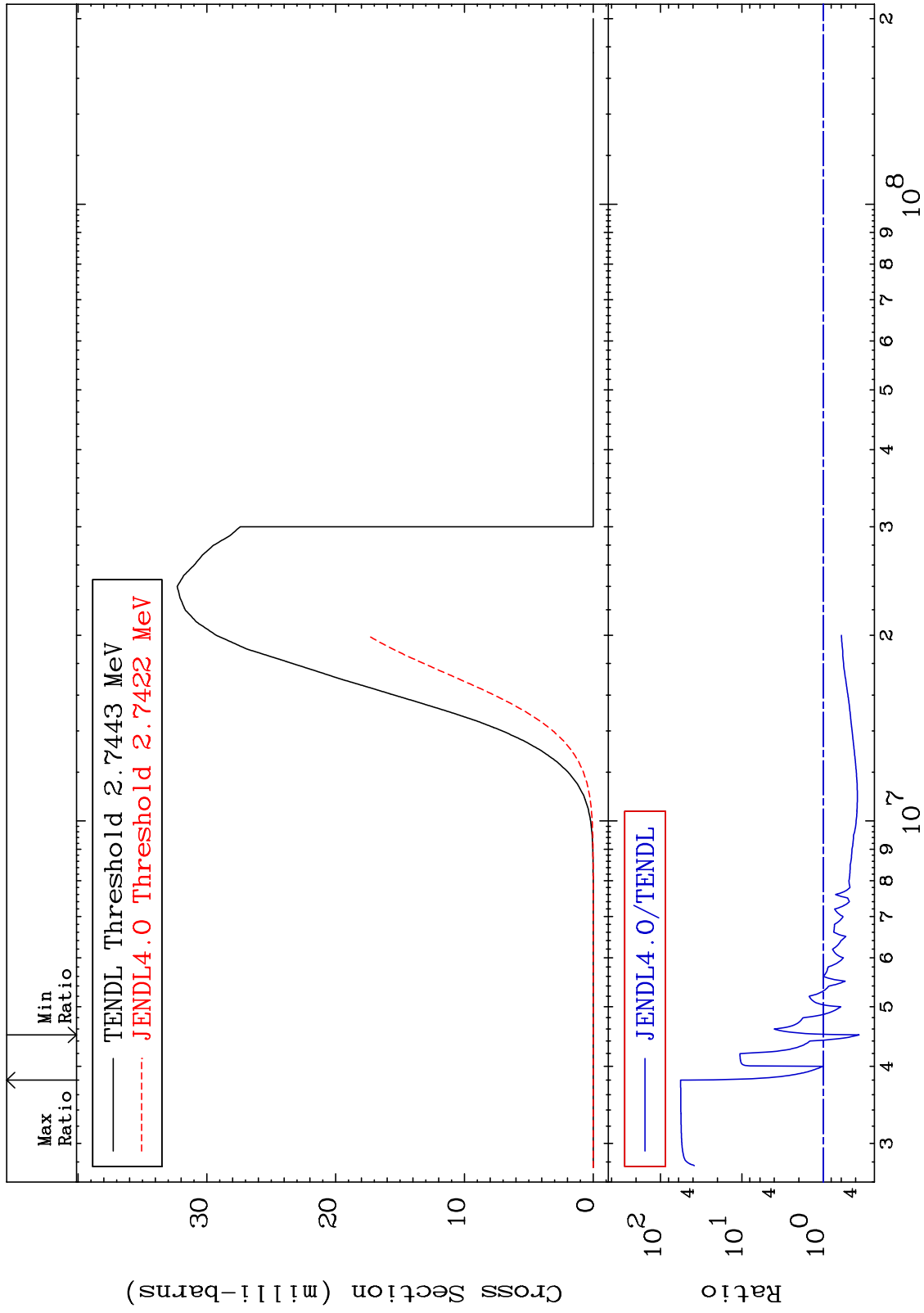
MAT 6249

(n,p)

62-Sm-152

Cross Section

-63.81 To 5570. %



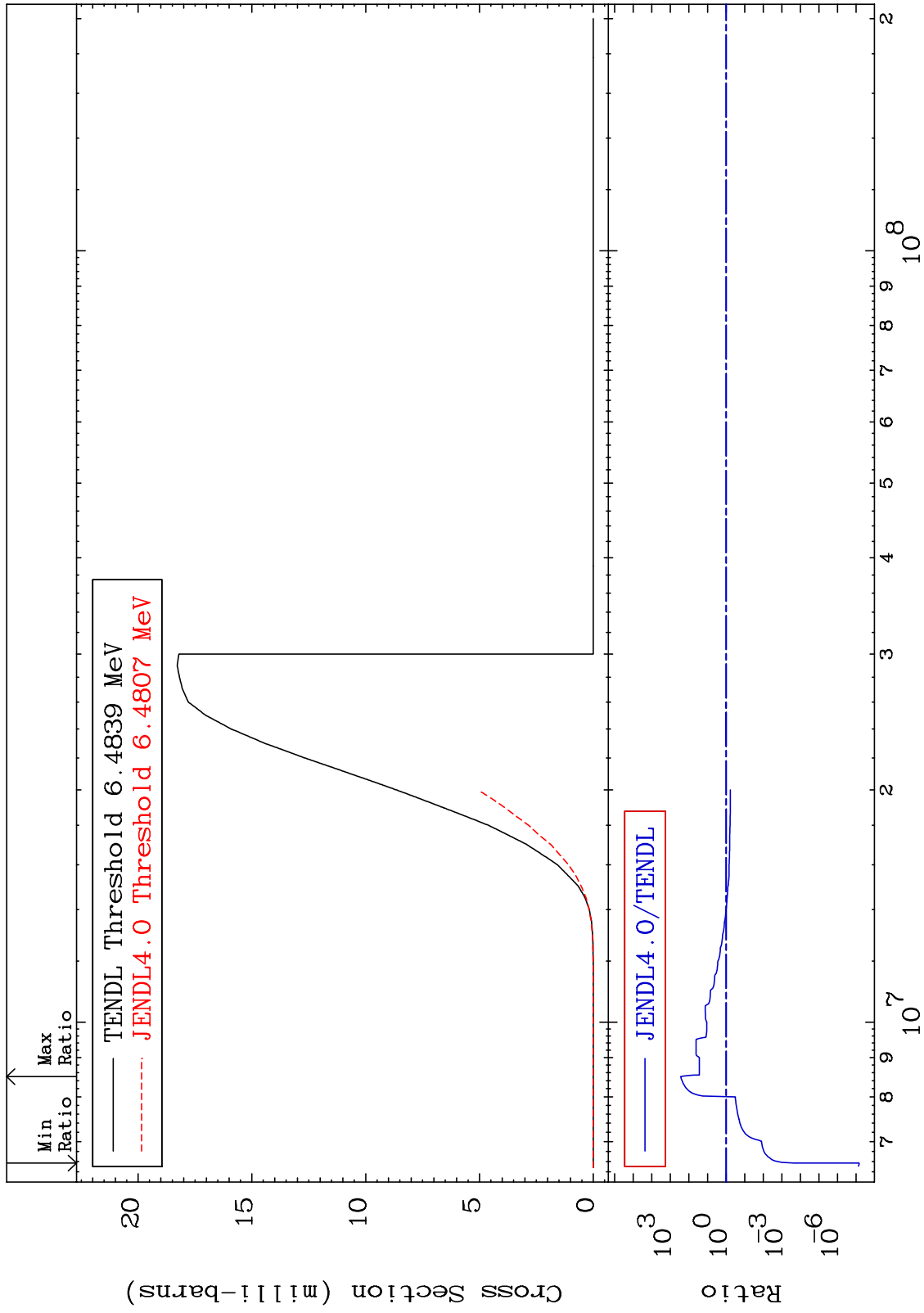
MAT 6249

(n, d)

62-Sm-152

Cross Section

-100.0 To 9999. %



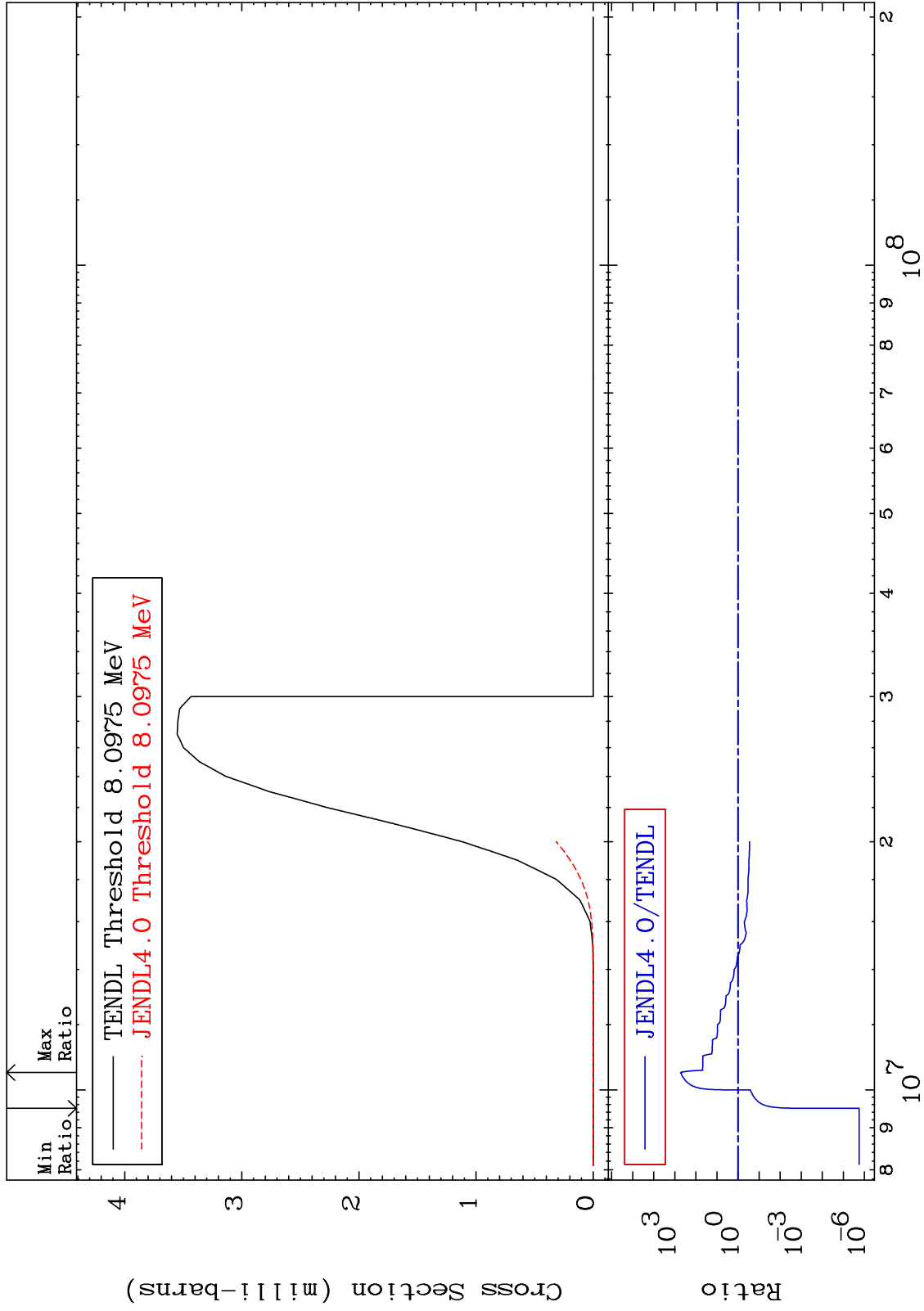
MAT 6249

(n, t)

62-Sm-152

Cross Section

-100.0 To 9999. %



45

Incident Energy (eV)

62-Sm-152

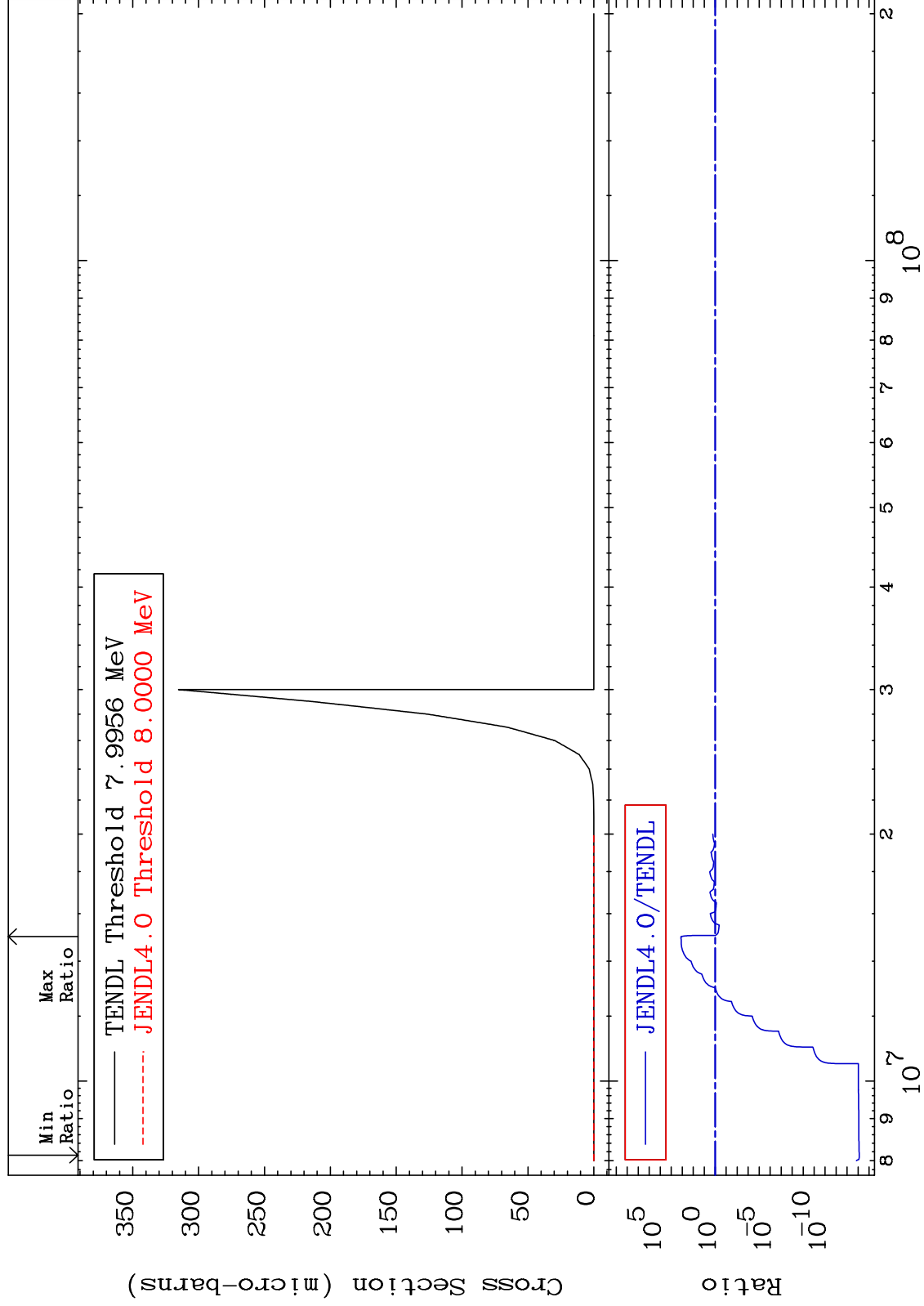
MAT 6249

(n, He-3)

62-Sm-152

Cross Section

-100.0 To 9999. %



46

Incident Energy (eV)

62-Sm-152

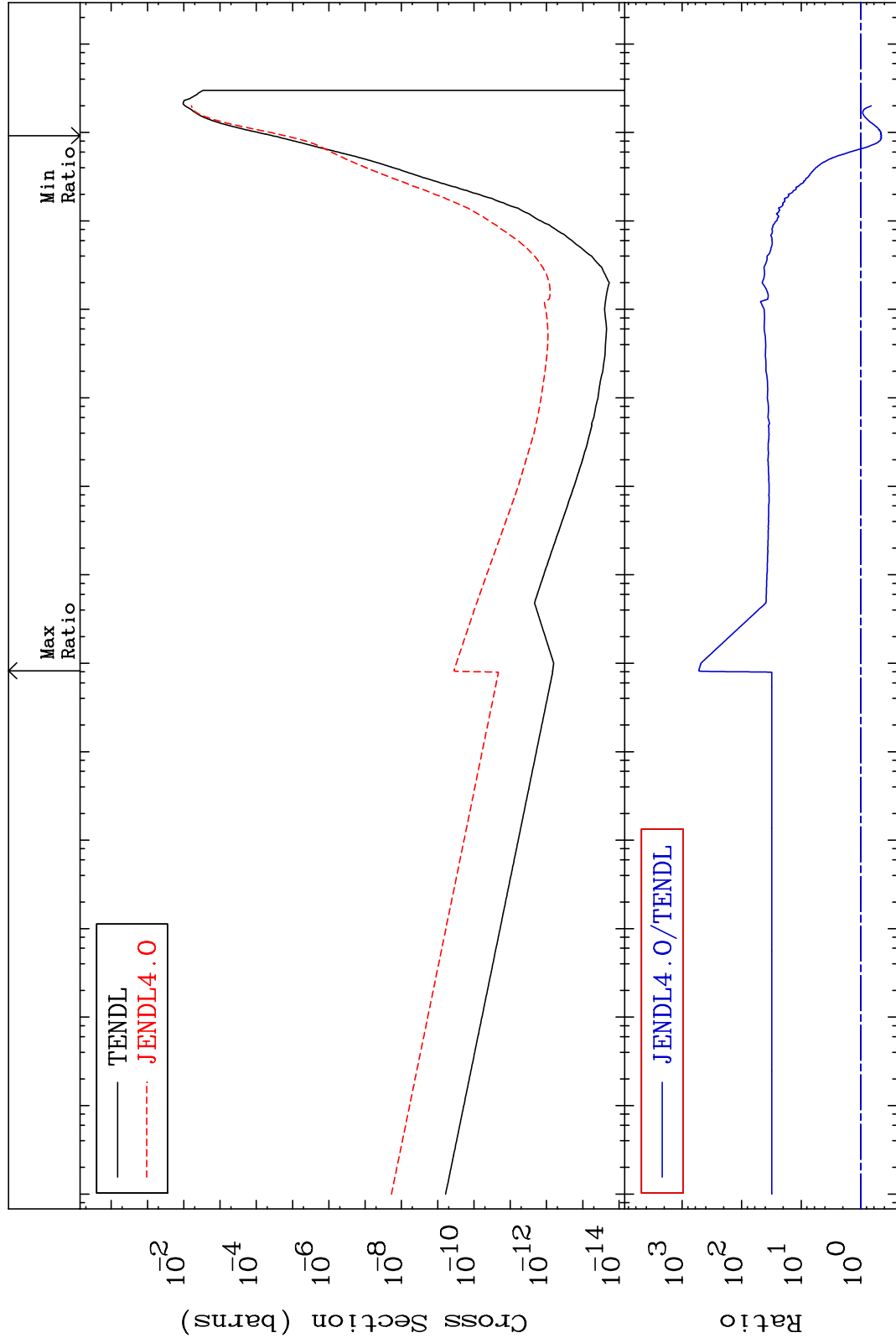
MAT 6249

(n, α)

62-Sm-152

Cross Section

-55.37 To 9999. %



Incident Energy (eV)

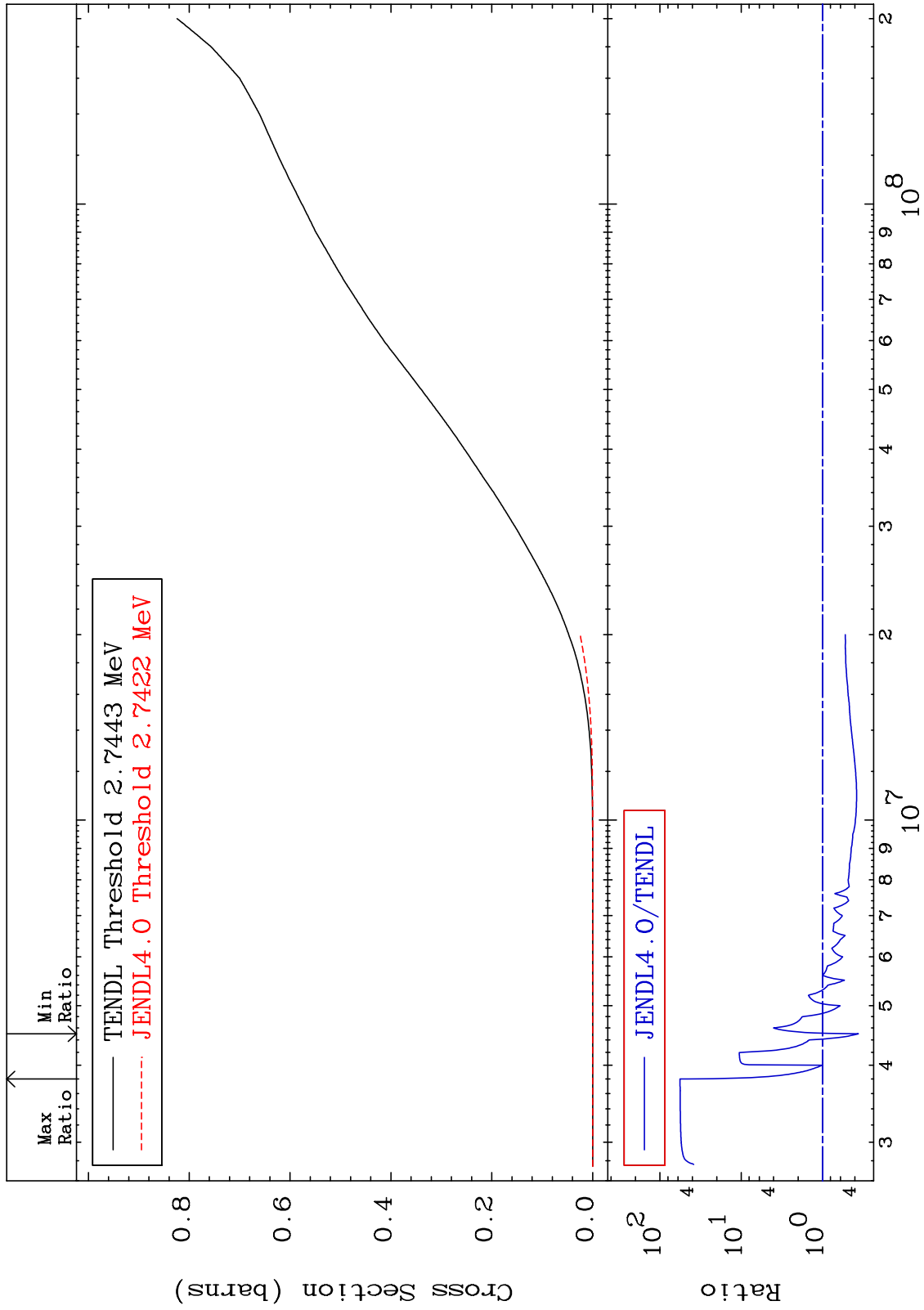
62-Sm-152

47

MAT 6249

Hydrogen Production
Cross Section

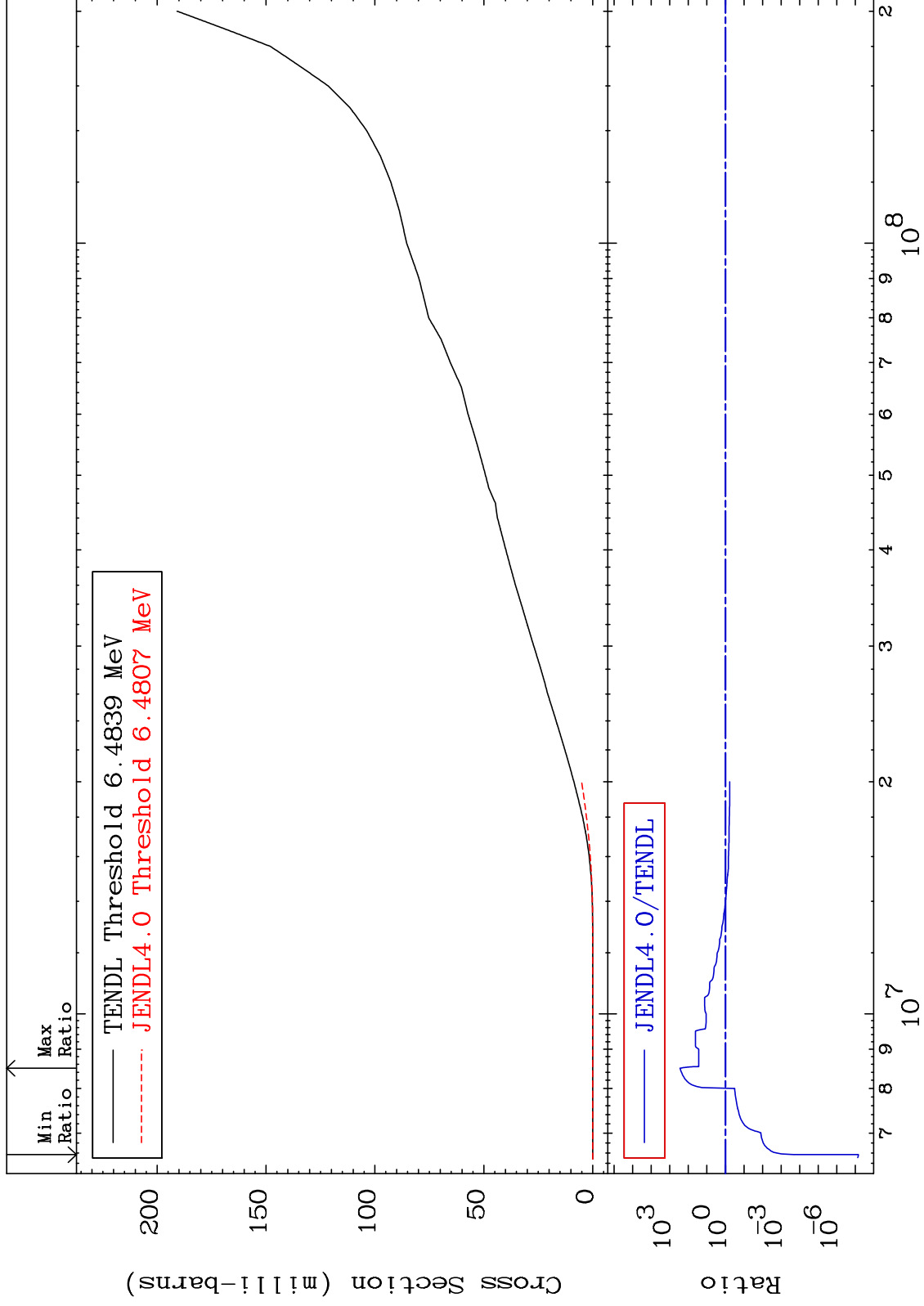
62-Sm-152
-63.81 To 5570. %



MAT 6249

Deuterium Production
Cross Section

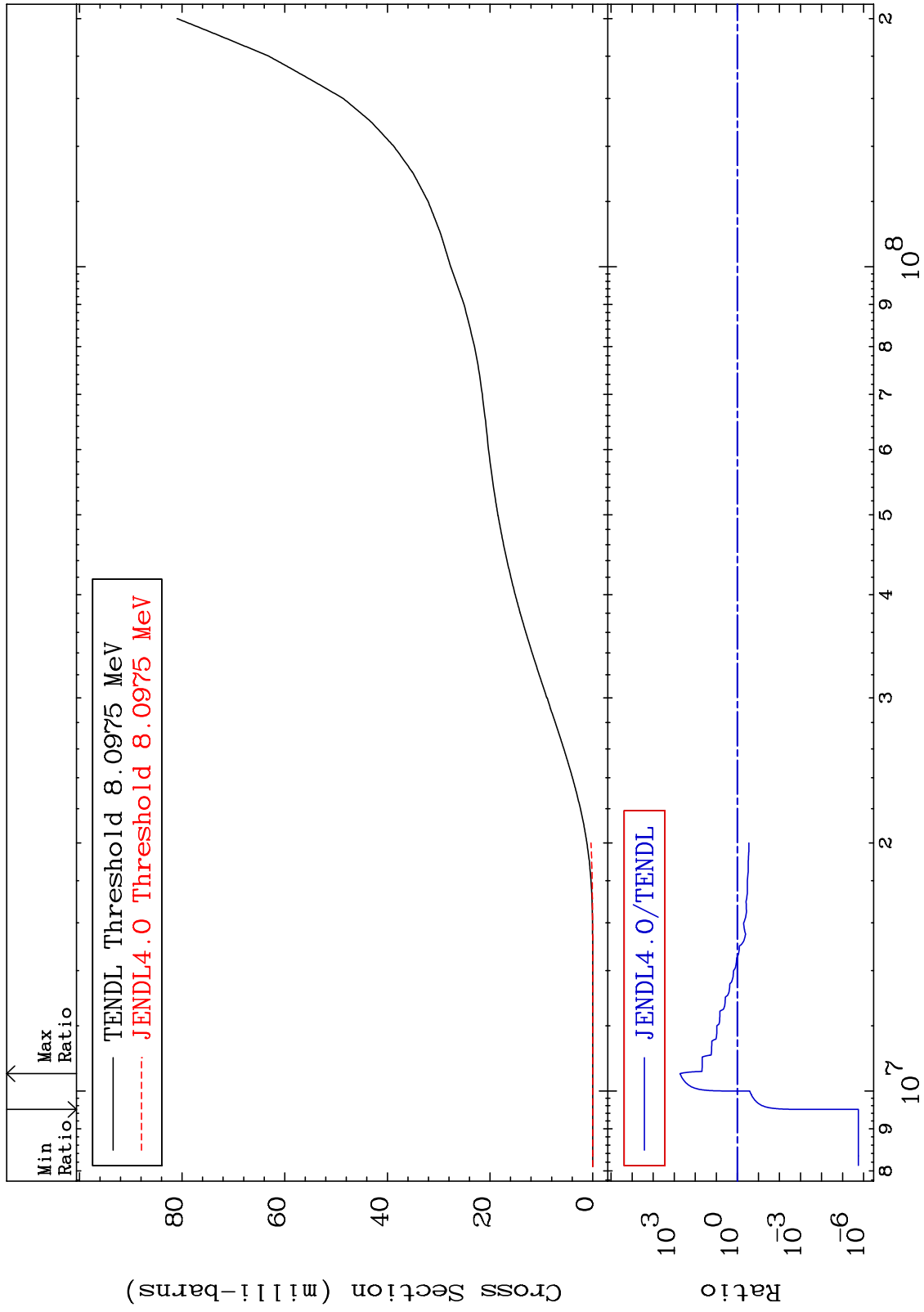
62-Sm-152
-100.0 To 9999. %



MAT 6249

Tritium Production
Cross Section

62-Sm-152
-100.0 To 9999. %



50

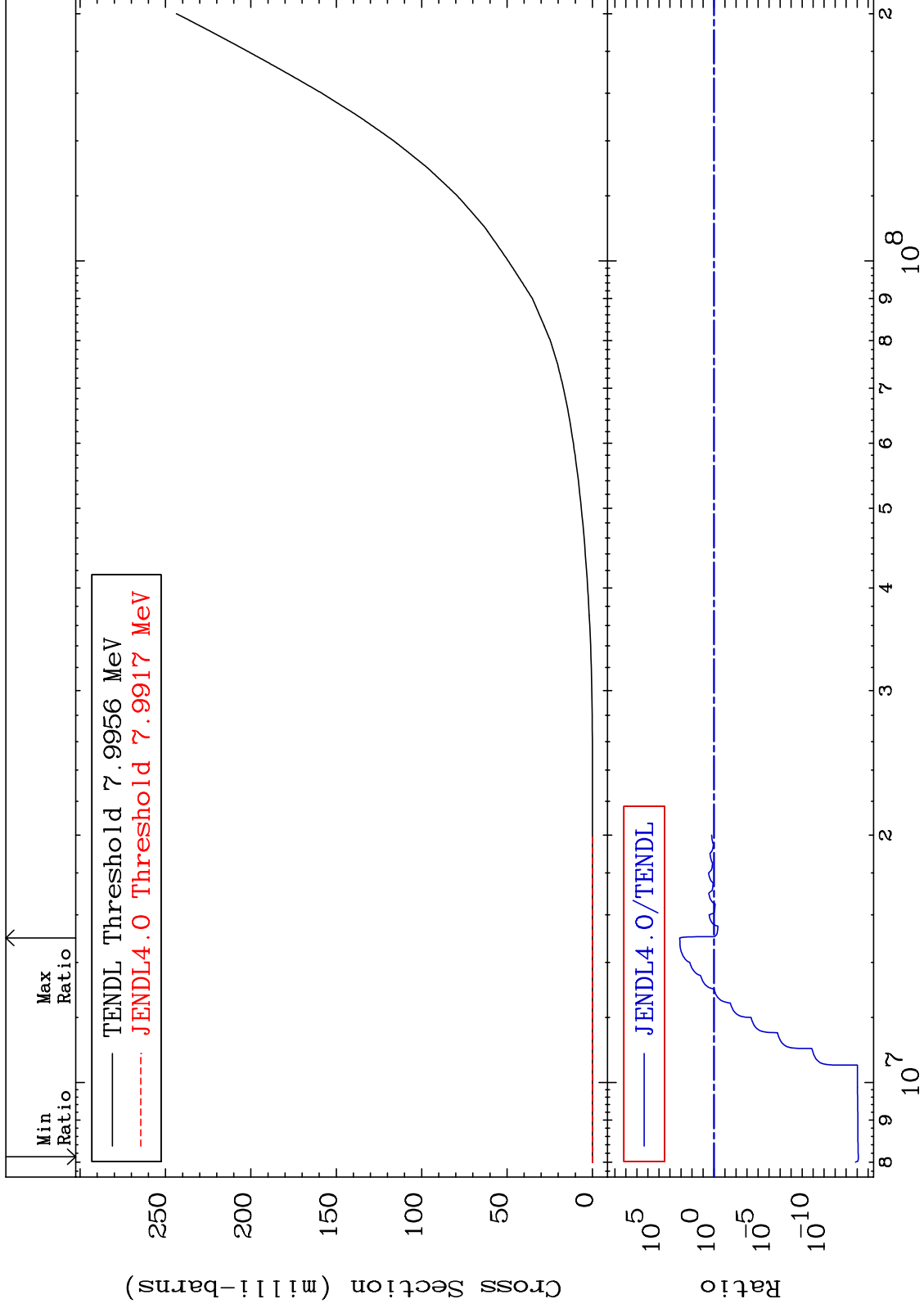
Incident Energy (eV)

62-Sm-152

MAT 6249

He-3 Production
Cross Section

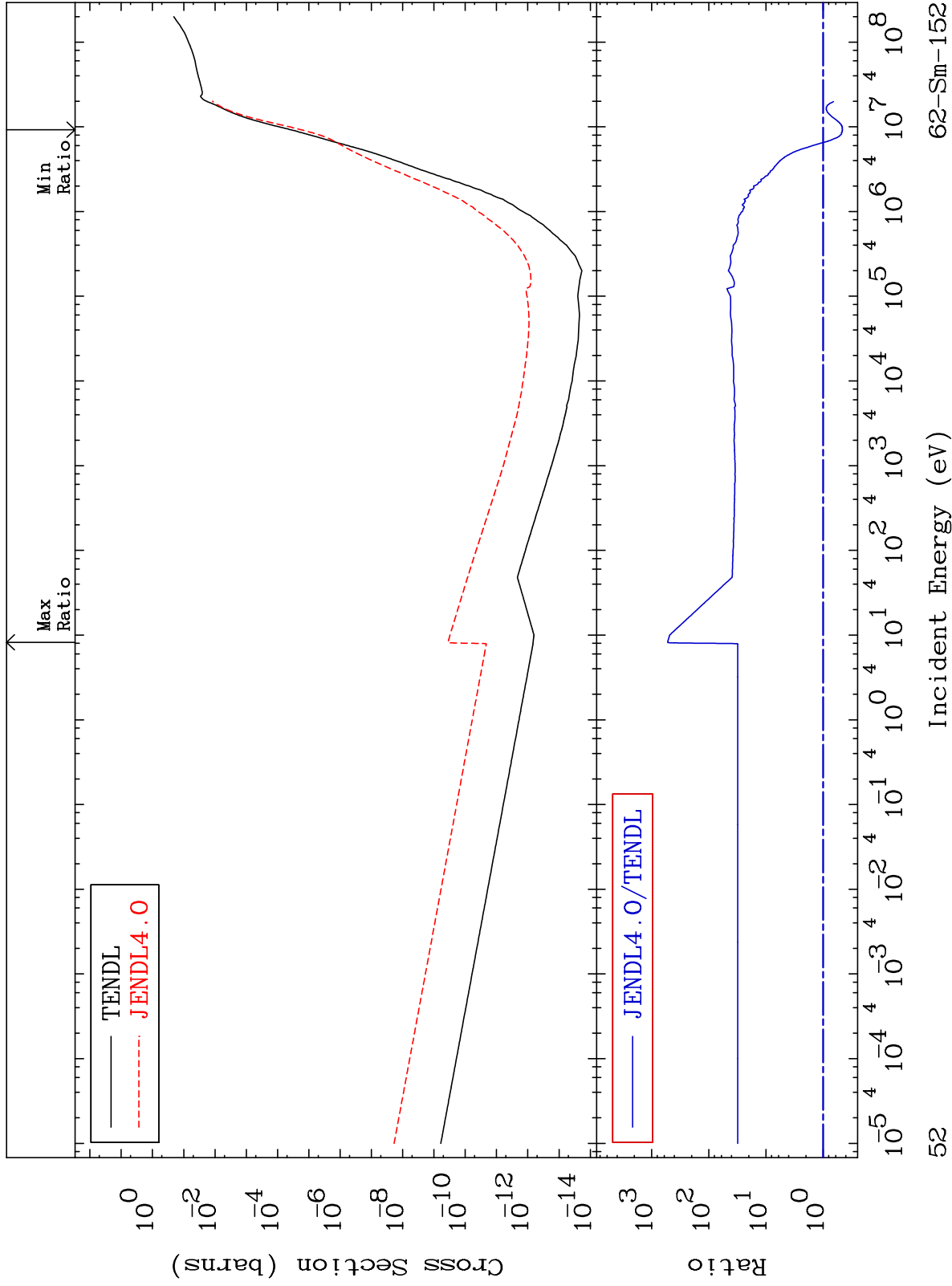
62-Sm-152
-100.0 To 9999. %



MAT 6249

He-4 Production
Cross Section

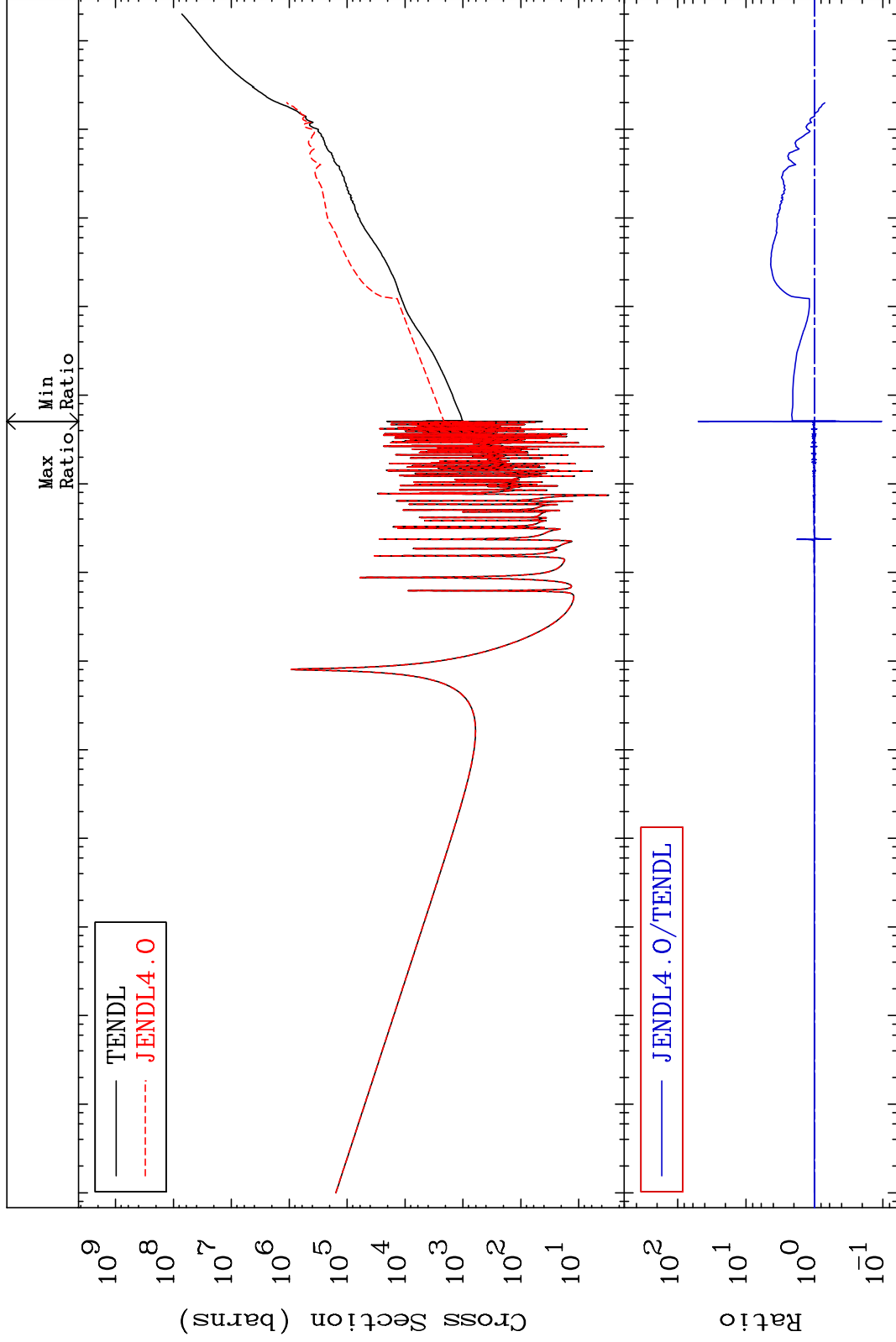
62-Sm-152
-54.43 To 9999. %



MAT 6249

Kerma total (eV-barns)
Cross Section

62-Sm-152
-89.55 To 4881. %



53

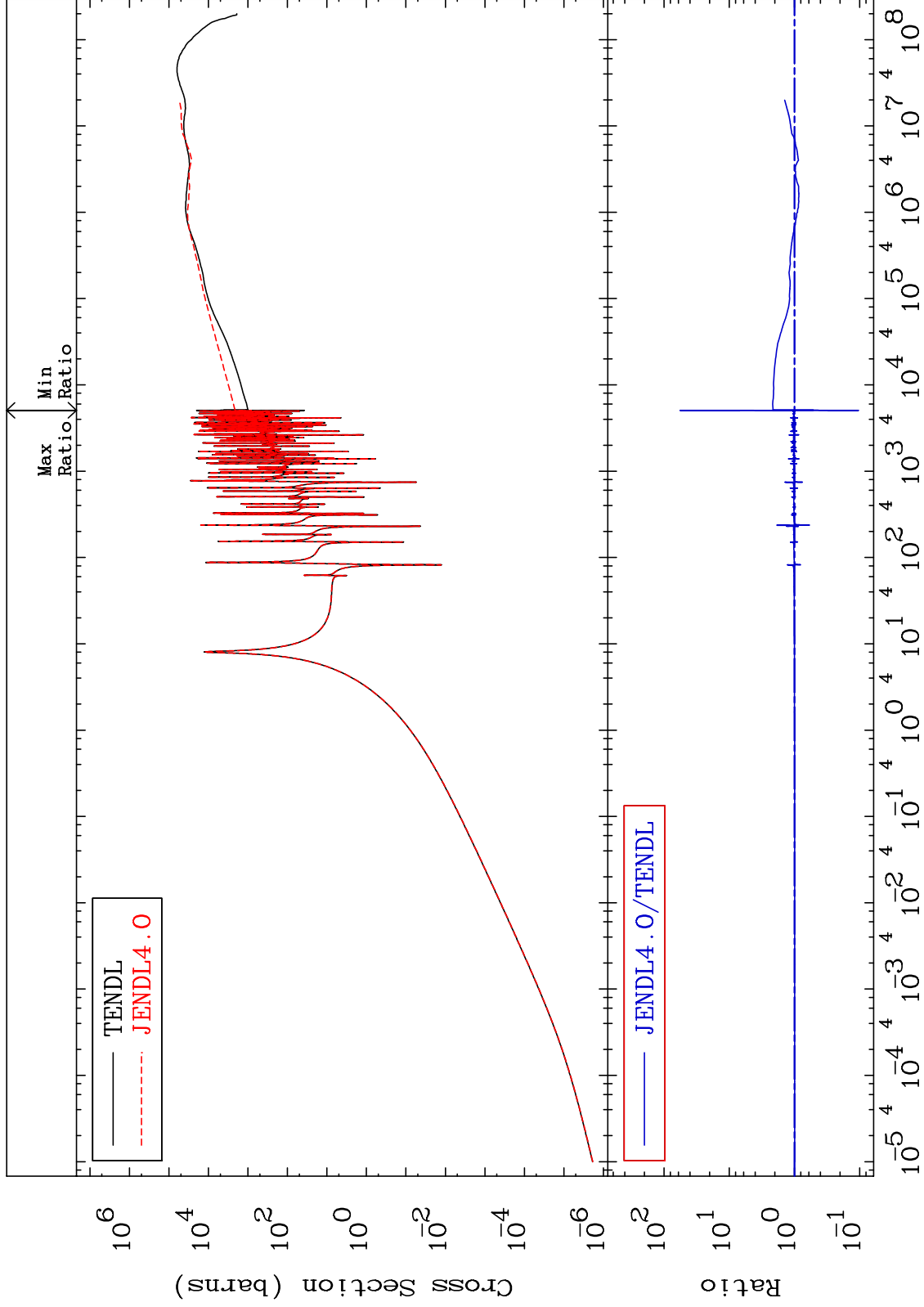
Incident Energy (eV)

62-Sm-152

MAT 6249

Kerma elastic
Cross Section

62-Sm-152
-89.56 To 5576. %



54

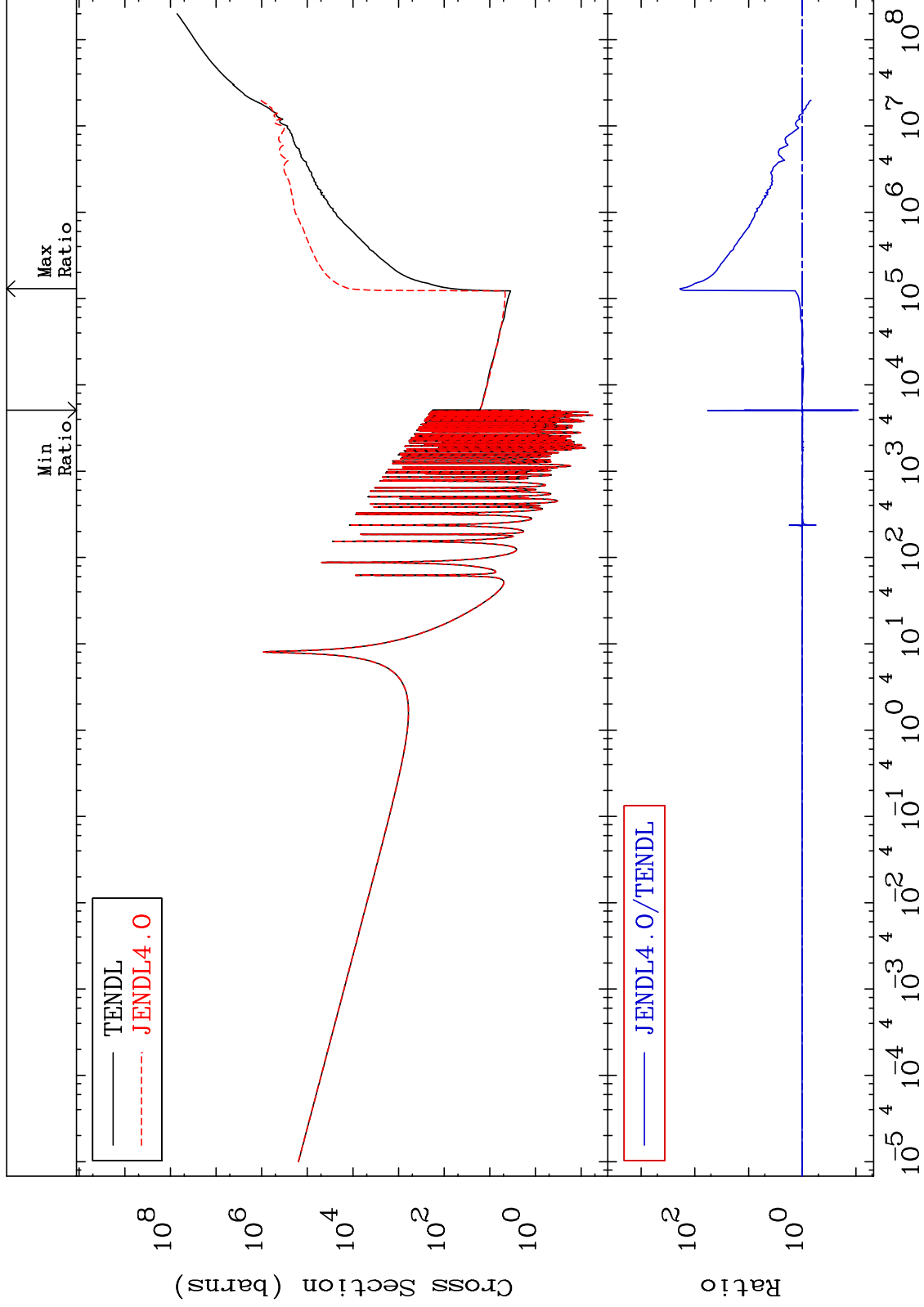
Incident Energy (eV)

62-Sm-152

MAT 6249

Kerma non-elastic (all but mt2)
Cross Section

62-Sm-152
-90.98 To 9999. %



55

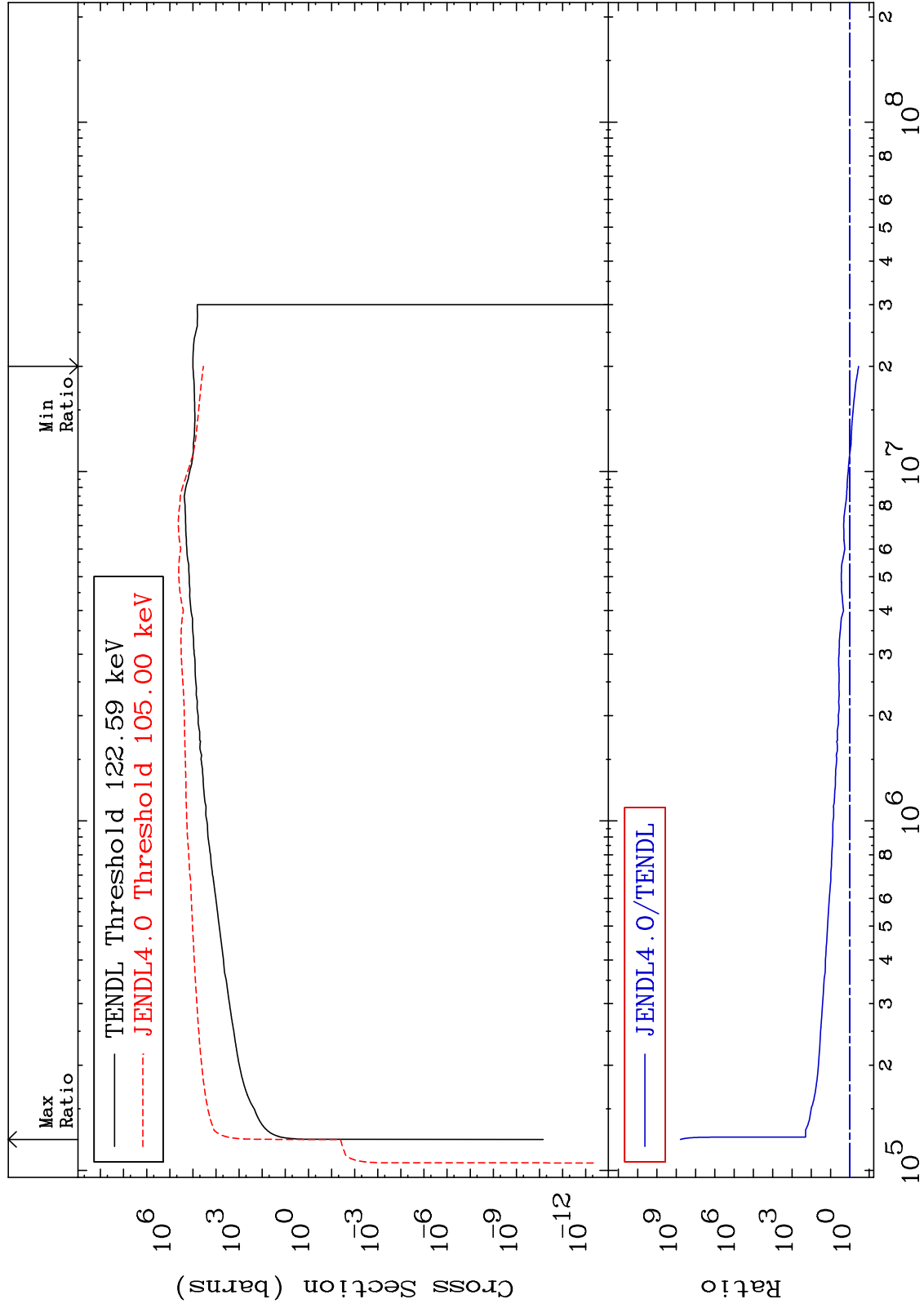
Incident Energy (eV)

62-Sm-152

MAT 6249

Kerma inelastic (mt51-91)
Cross Section

62-Sm-152
-64.46 To 9999. %



56

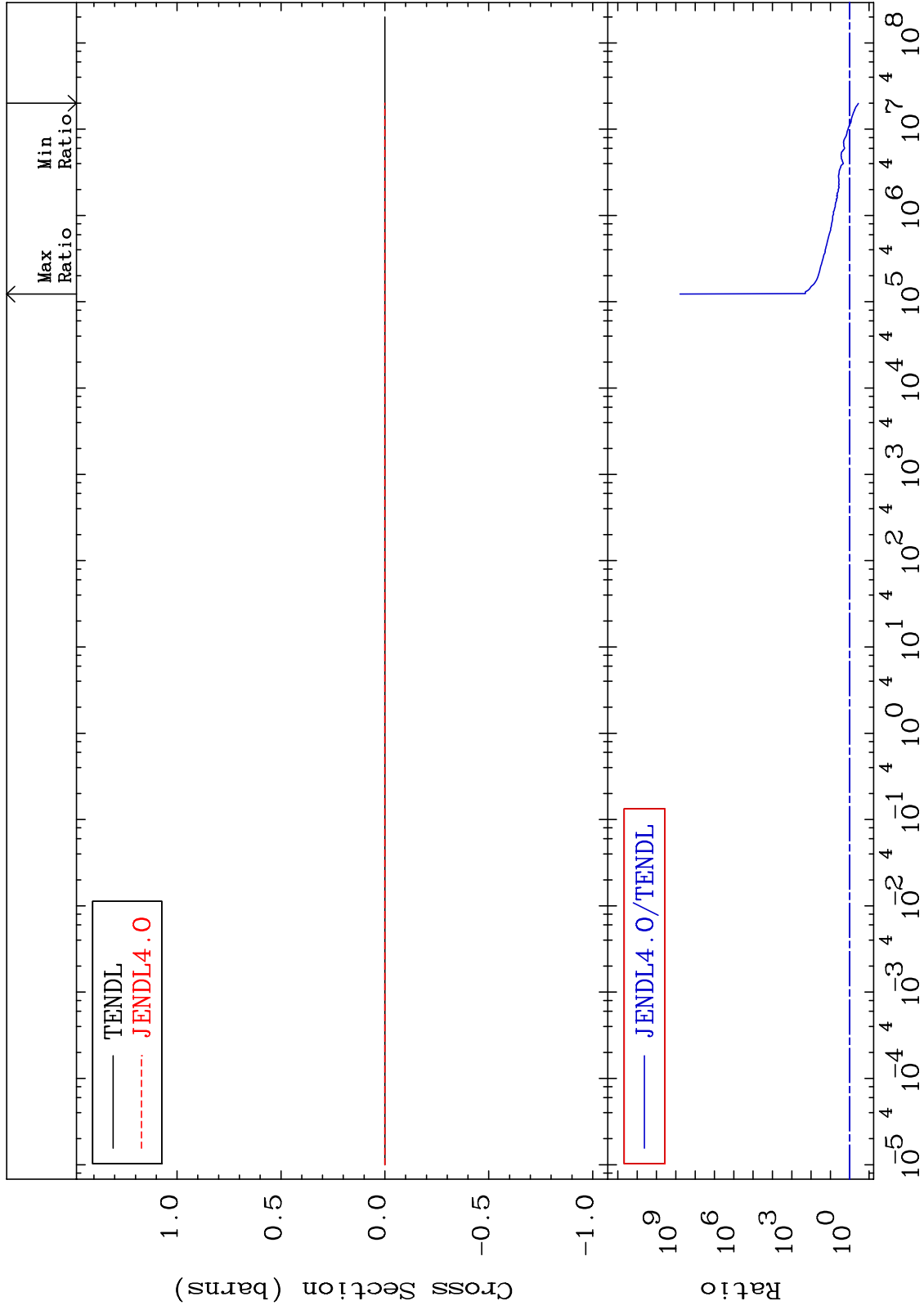
Incident Energy (eV)

62-Sm-152

MAT 6249

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

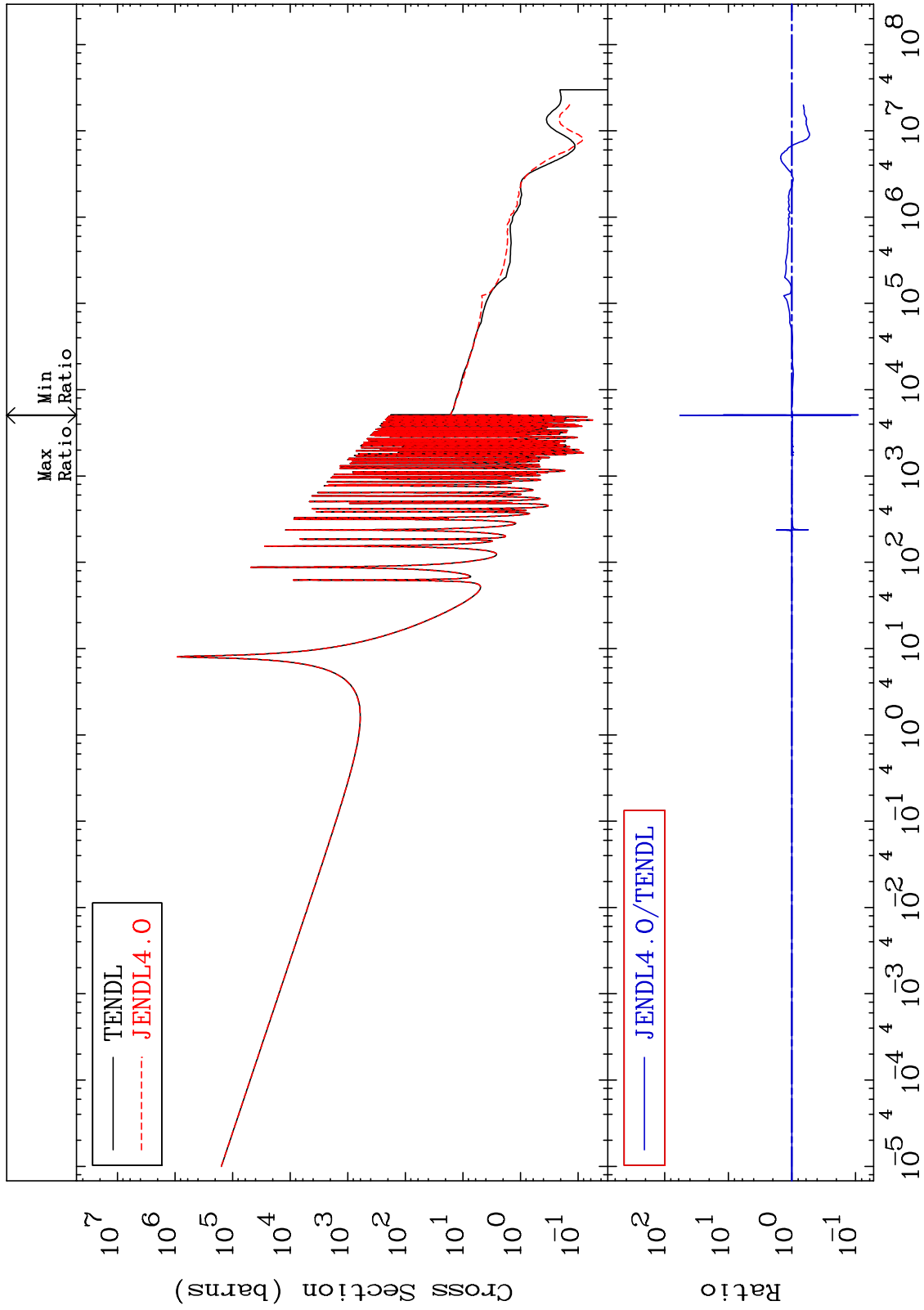
62-Sm-152
-64.46 To 9999. %



MAT 6249

Kerma capture (mt102)
Cross Section

62-Sm-152
-90.98 To 5630. %



58

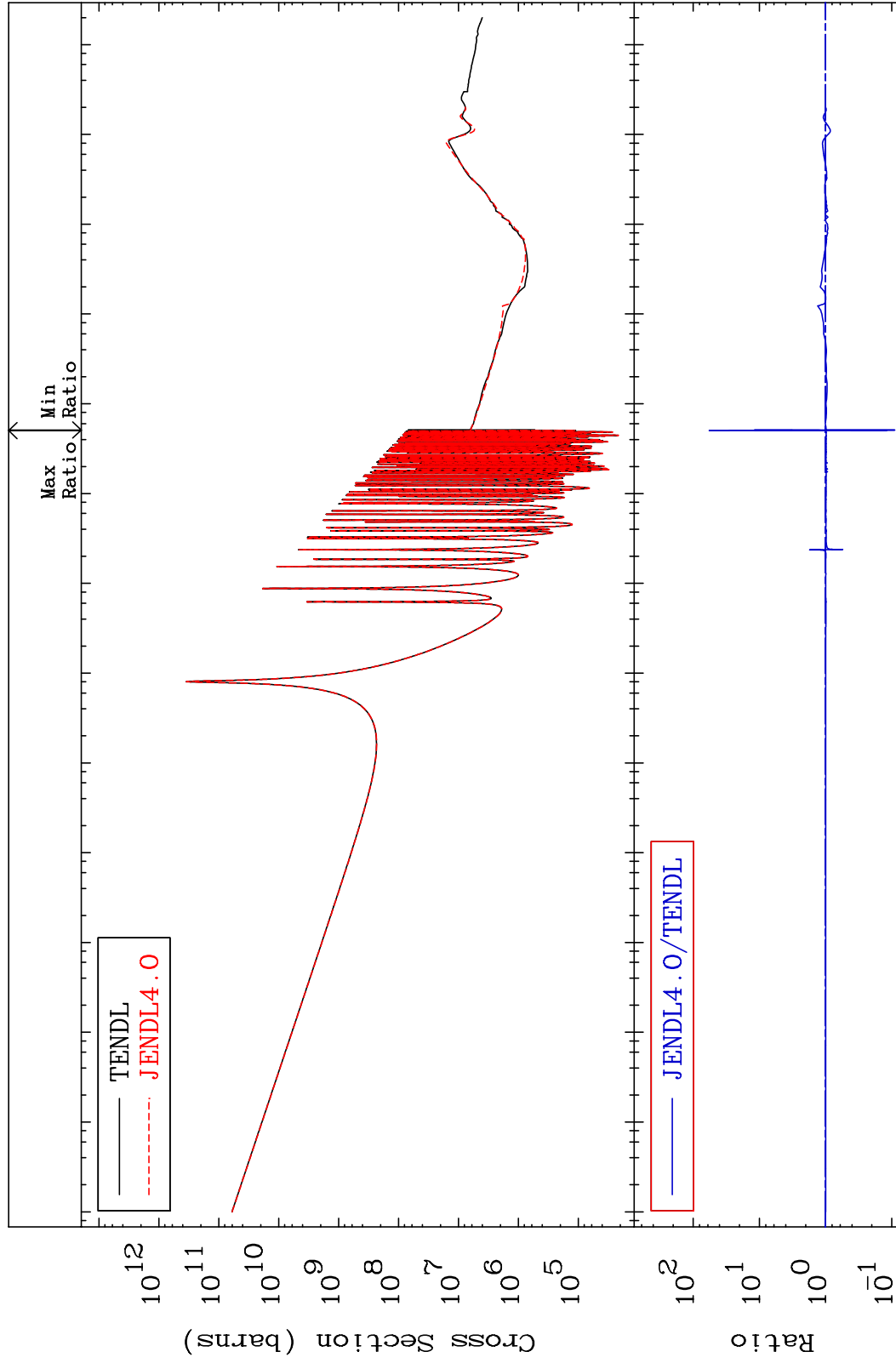
Incident Energy (eV)

62-Sm-152

MAT 6249

Total photon (eV-barns)
Cross Section

62-Sm-152
-91.04 To 5590. %



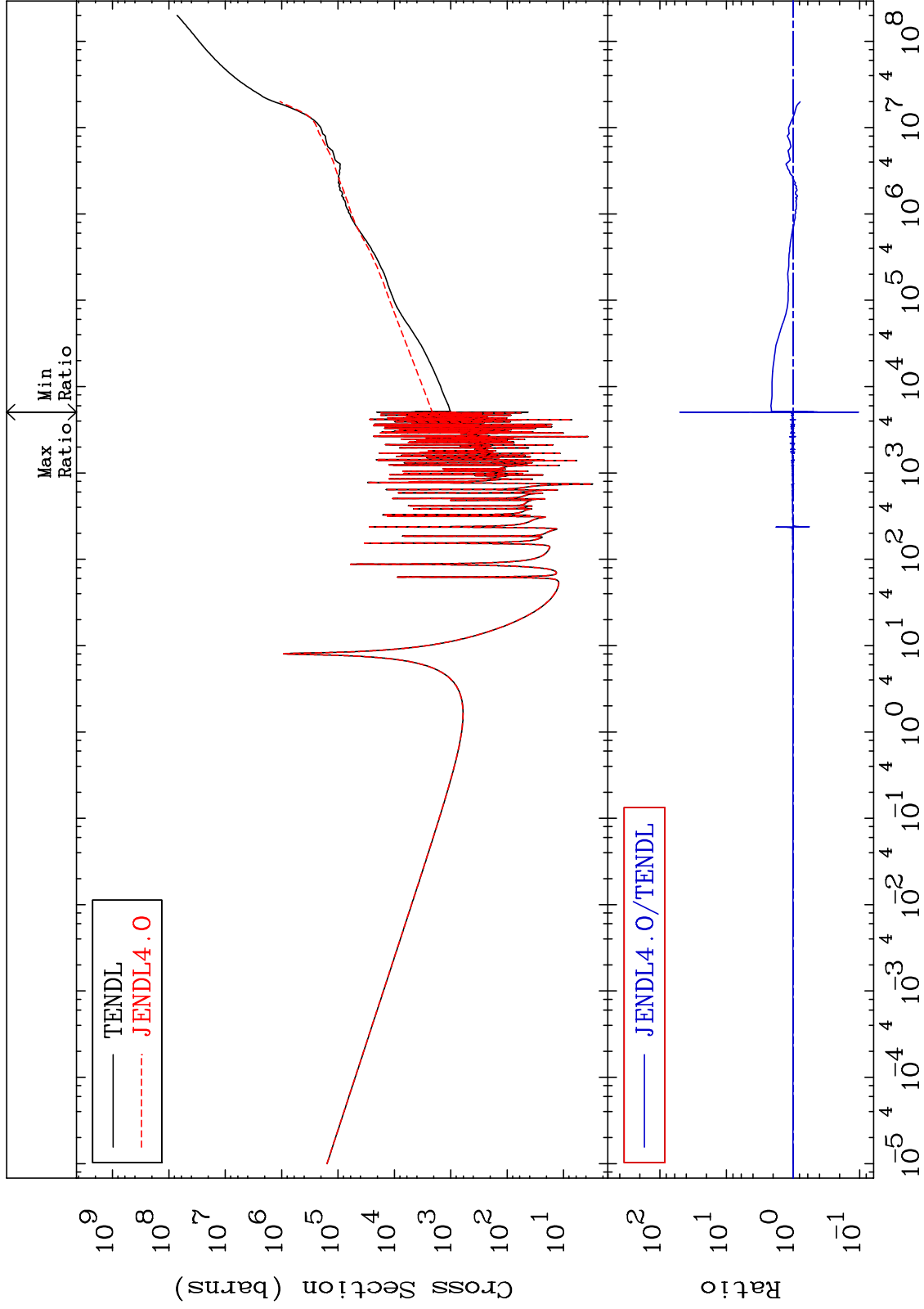
Incident Energy (eV)

62-Sm-152

MAT 6249

Total kinematic kerma (high limit)
Cross Section

62-Sm-152
-89.55 To 4881. %



60

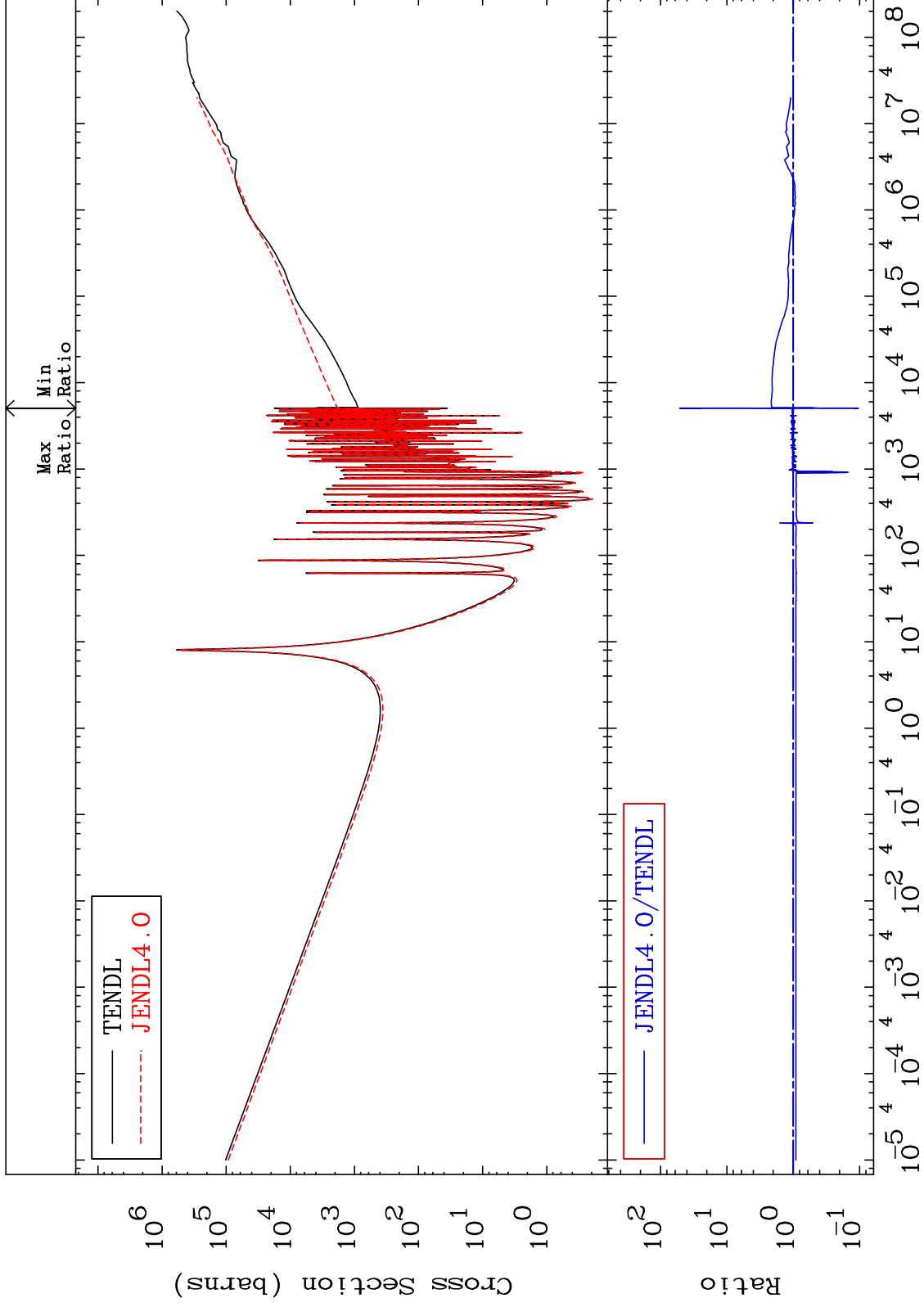
Incident Energy (eV)

62-Sm-152

MAT 6249

Dpa total (eV-barns)
Cross Section

62-Sm-152
-89.58 To 5020. %



61

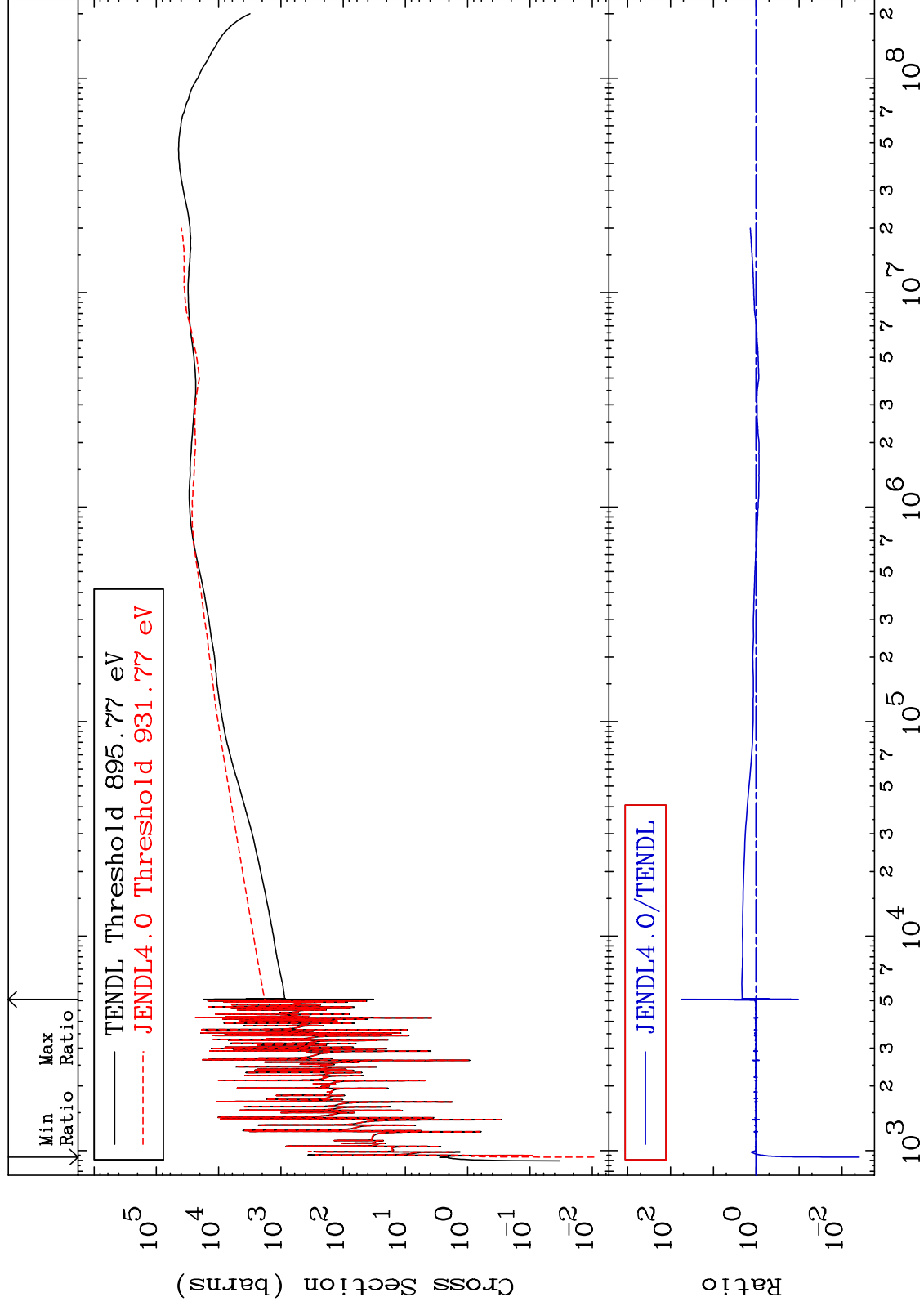
Incident Energy (eV)

62-Sm-152

MAT 6249

Dpa elastic (mt2)
Cross Section

62-Sm-152
-99.61 To 5565. %



62

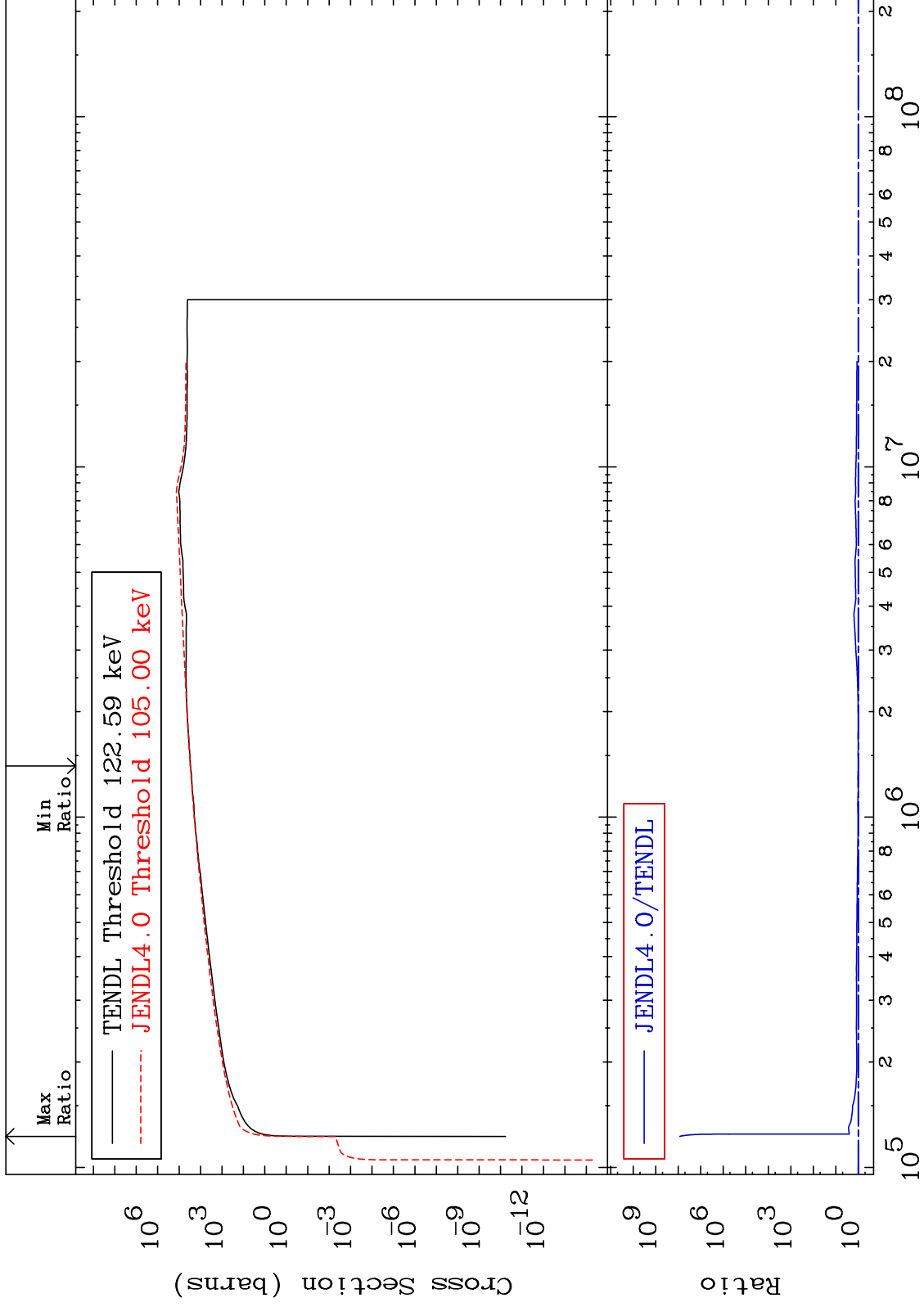
Incident Energy (eV)

62-Sm-152

MAT 6249

Dpa inelastic (mt51-91)
Cross Section

62-Sm-152
-1.003 To 9999. %



63

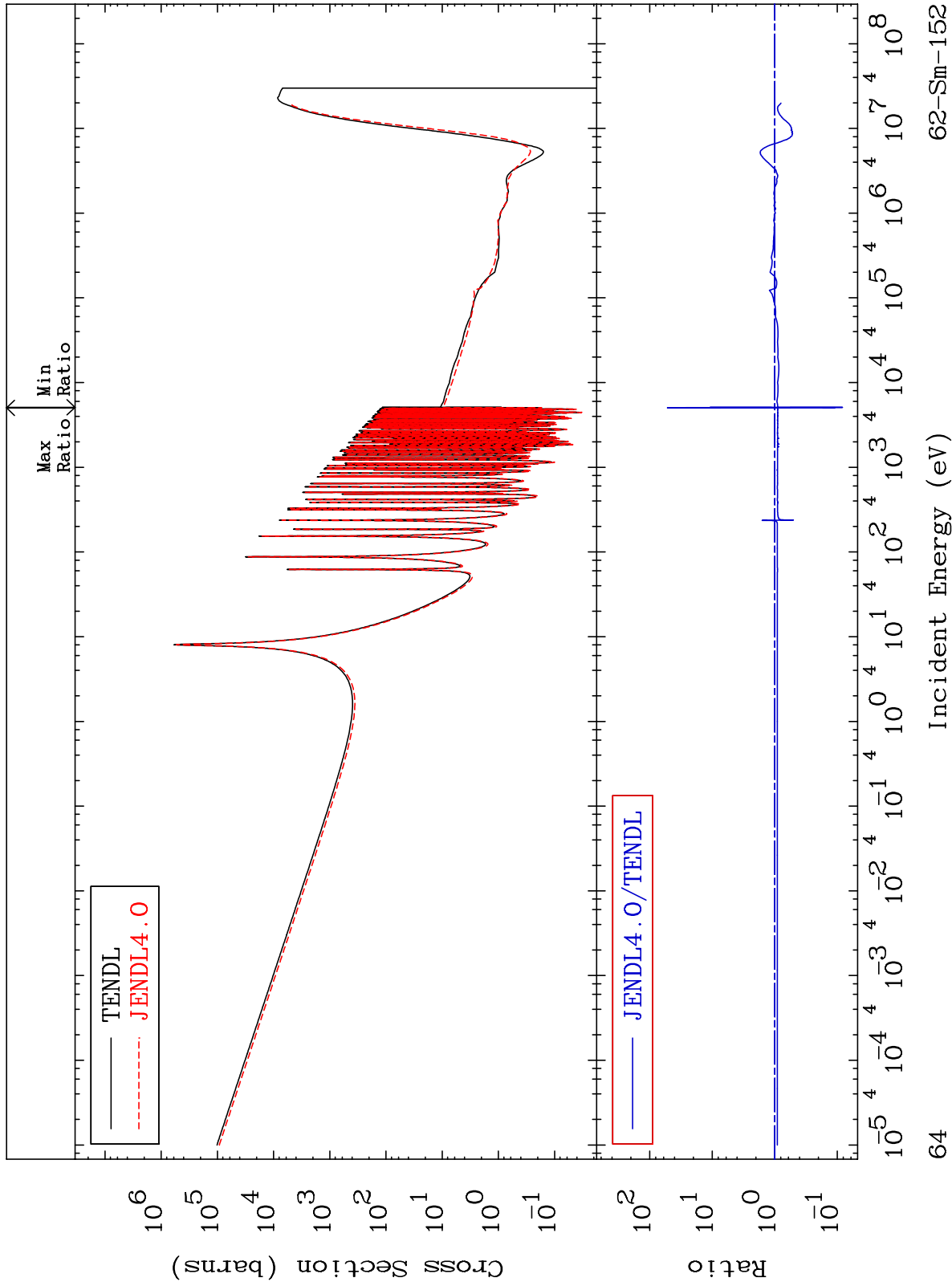
Incident Energy (eV)

62-Sm-152

MAT 6249

Dpa disappearance (mt102 -120)
Cross Section

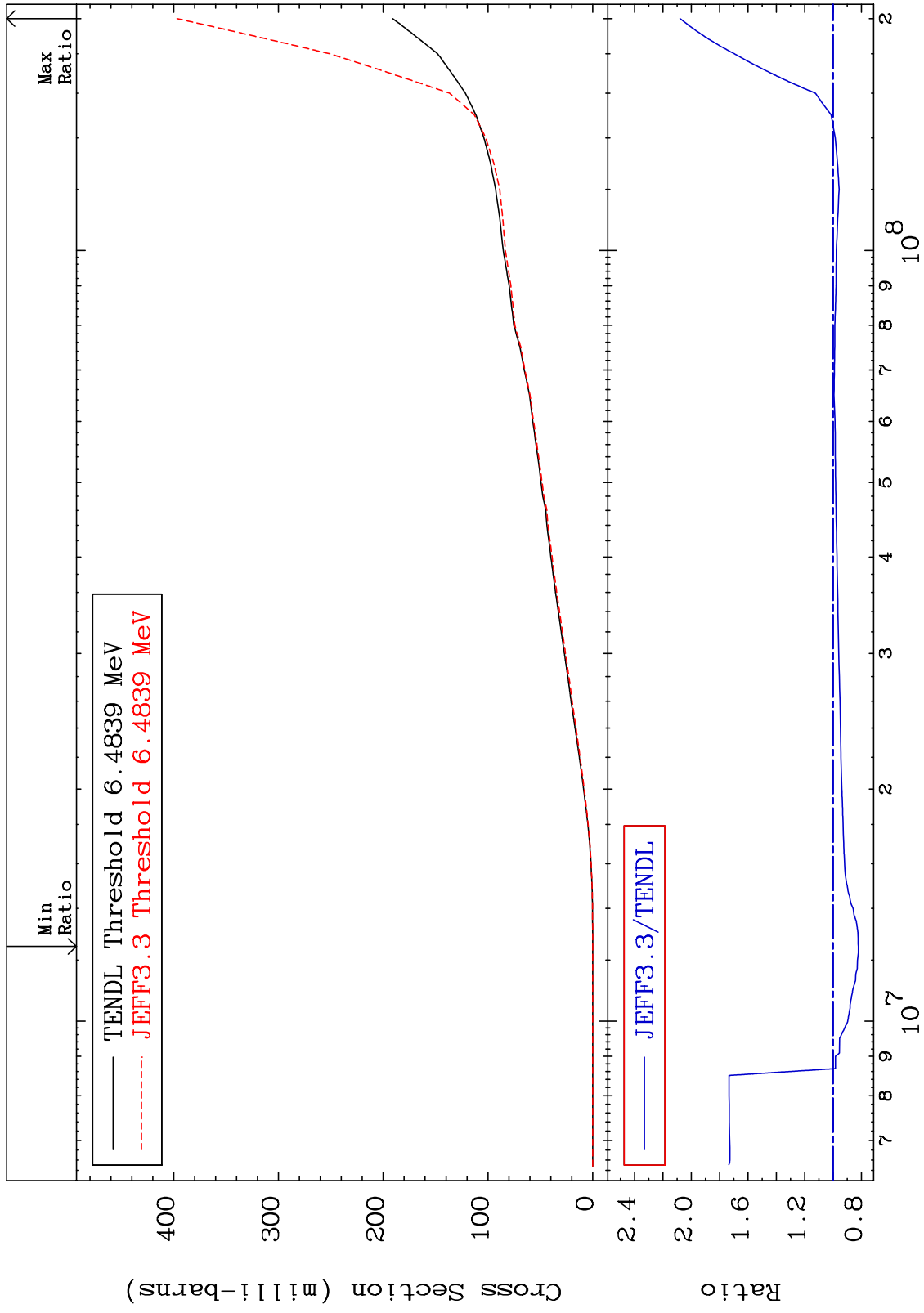
62-Sm-152
-91.84 To 5085. %



MAT 6249

Deuterium Production
Cross Section

62-Sm-152
-17.90 To 107.9 %



65

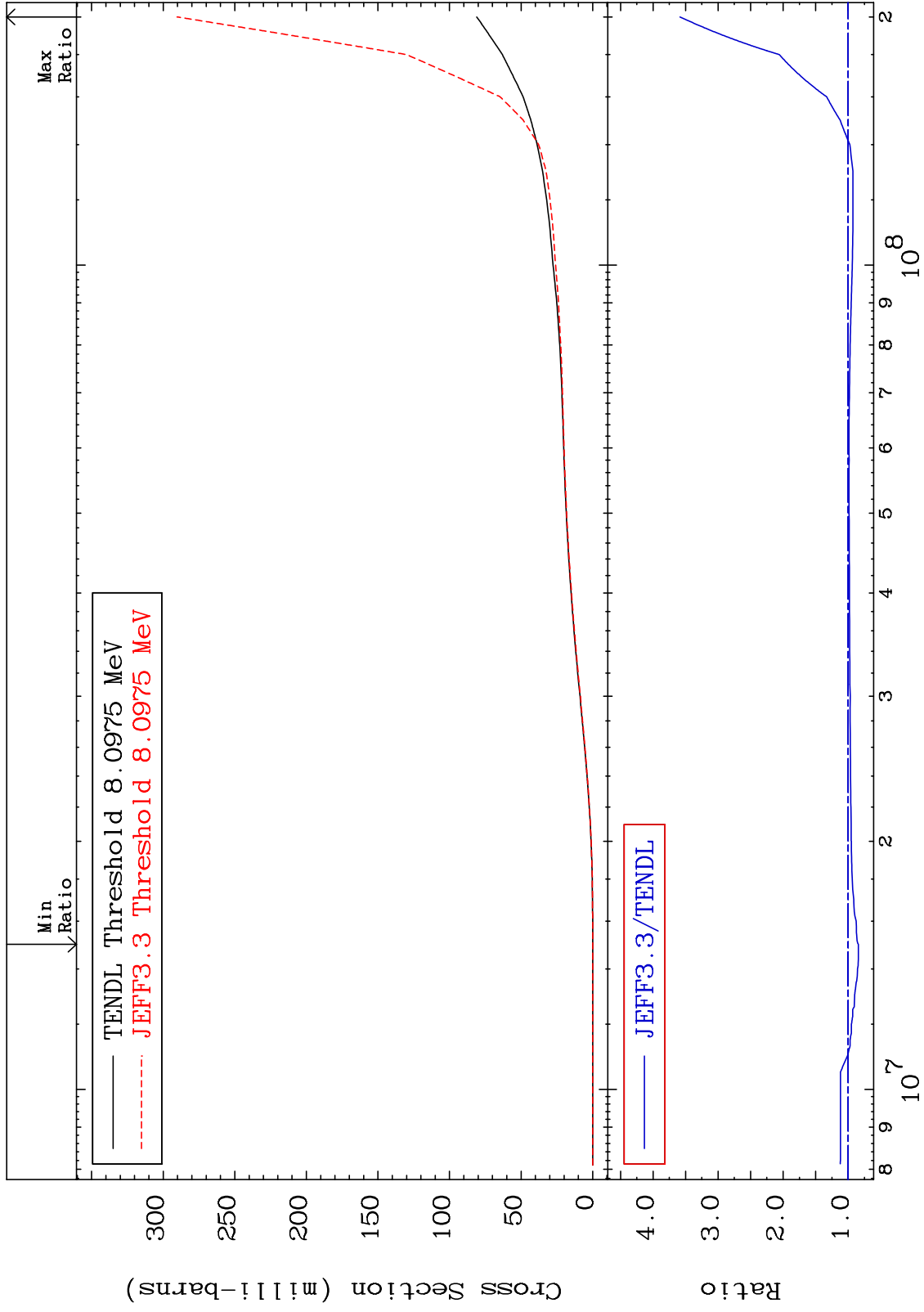
Incident Energy (eV)

62-Sm-152

MAT 6249

Tritium Production
Cross Section

62-Sm-152
-15.76 To 258.5 %



66

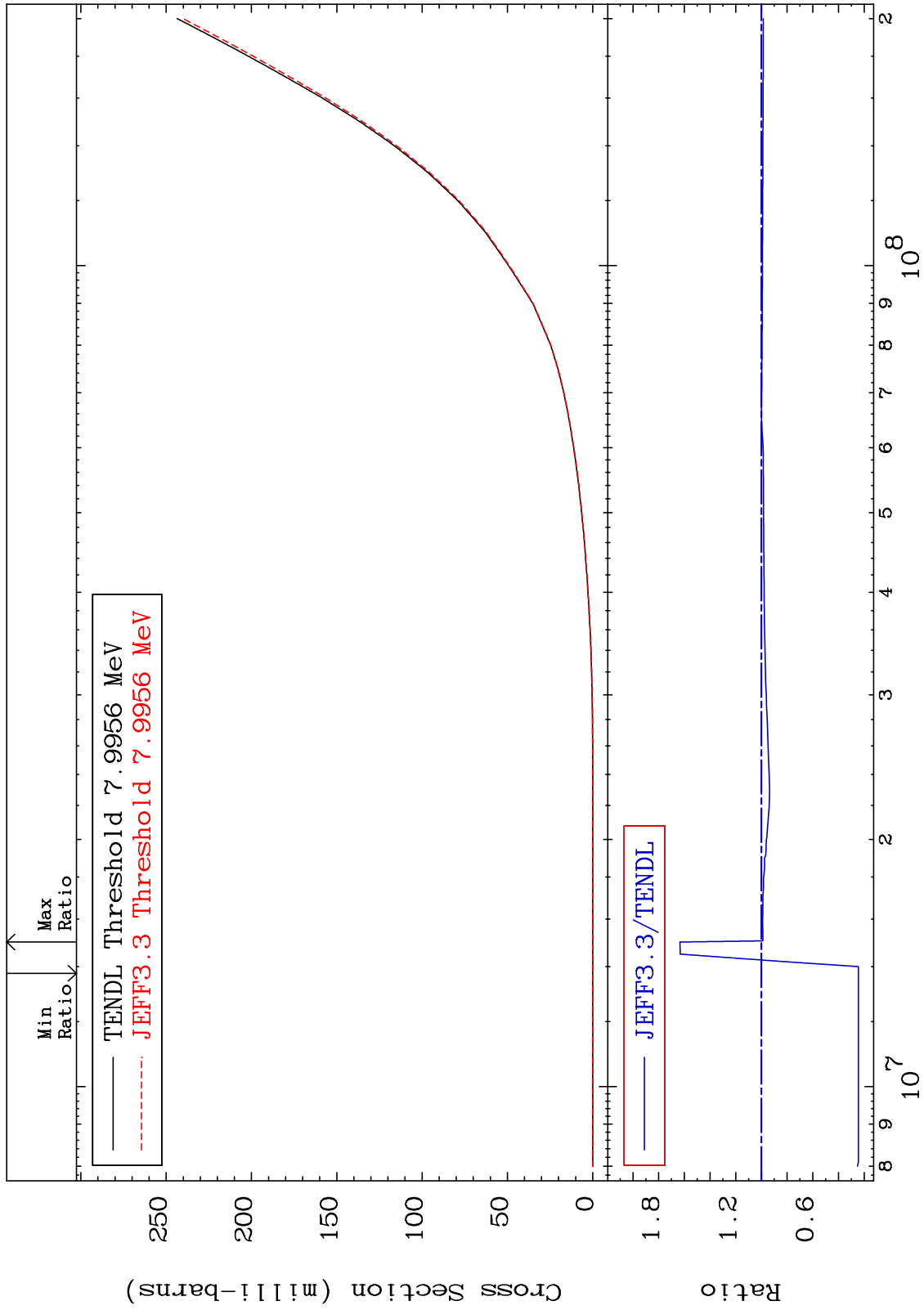
Incident Energy (eV)

62-Sm-152

MAT 6249

He-3 Production
Cross Section

62-Sm-152
-75.50 To 63.38 %



67

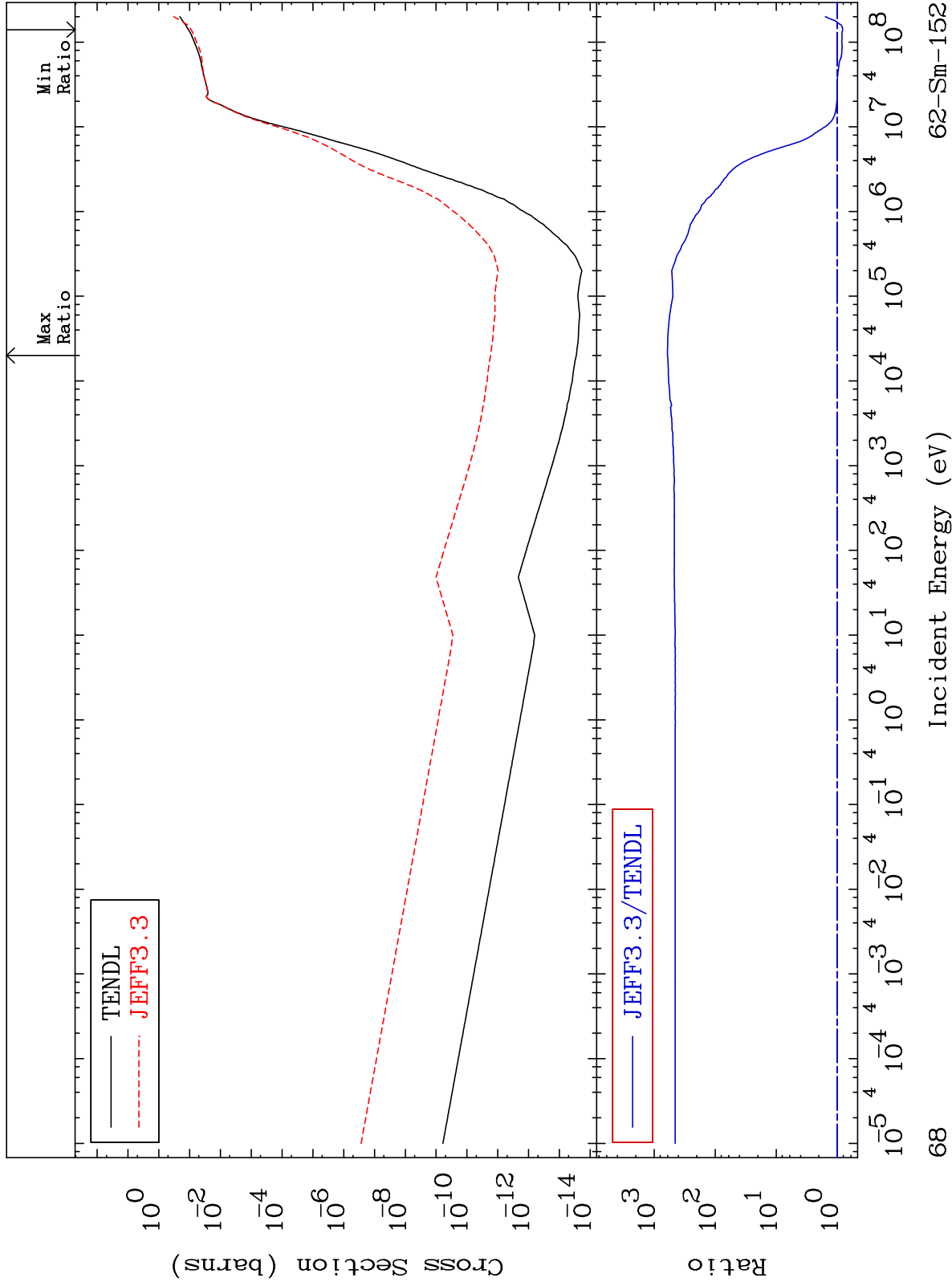
Incident Energy (eV)

62-Sm-152

MAT 6249

He-4 Production
Cross Section

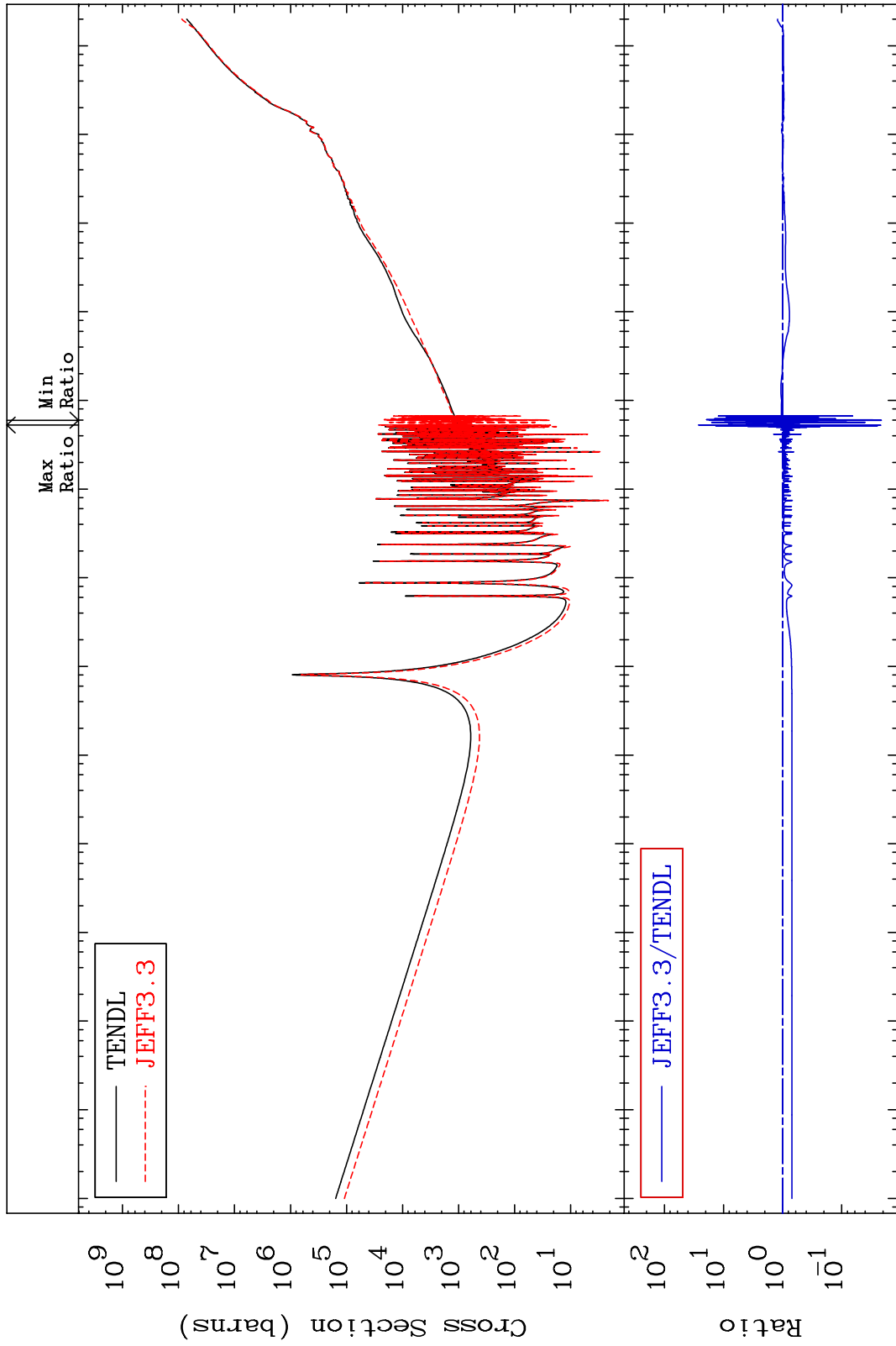
62-Sm-152
-18.22 To 9999. %



MAT 6249

Kerma total (eV-barns)
Cross Section

62-Sm-152
-97.88 To 2565. %



69

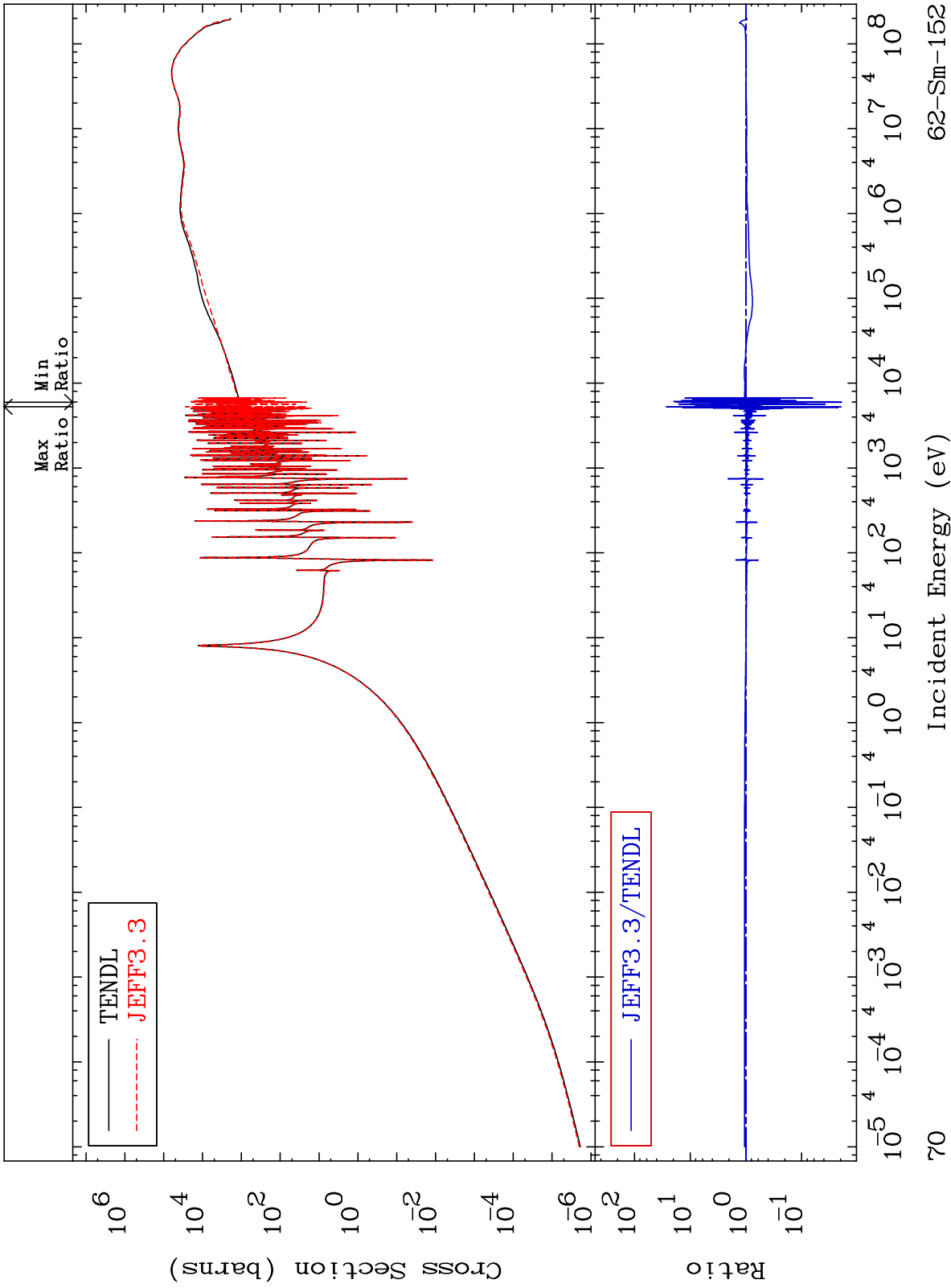
Incident Energy (eV)

62-Sm-152

MAT 6249

Kerma elastic
Cross Section

62-Sm-152
-98.07 To 2601. %



70

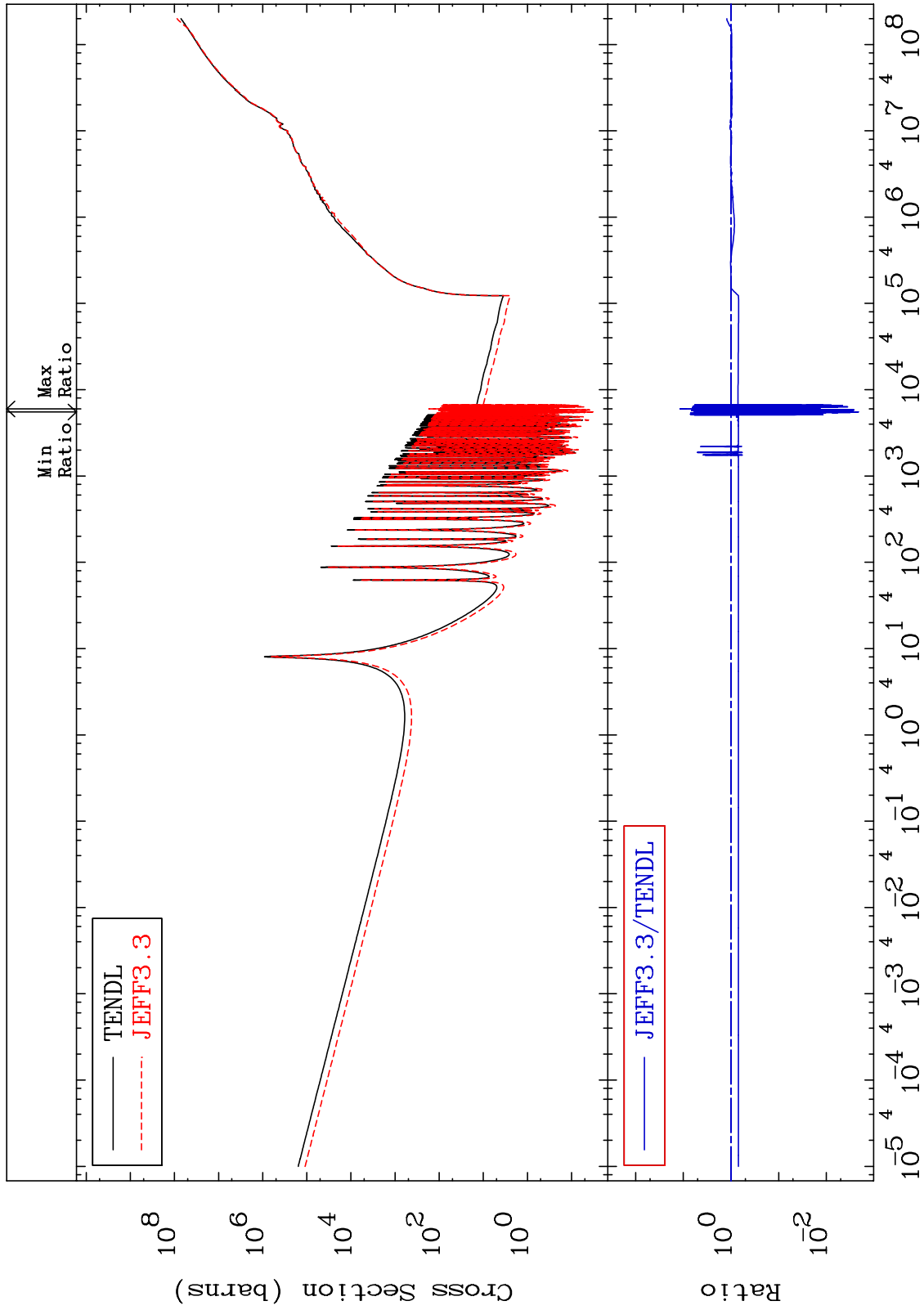
Incident Energy (eV)

62-Sm-152

MAT 6249

Kerma non-elastic (all but mt2)
Cross Section

62-Sm-152
-99.79 To 1071. %



71

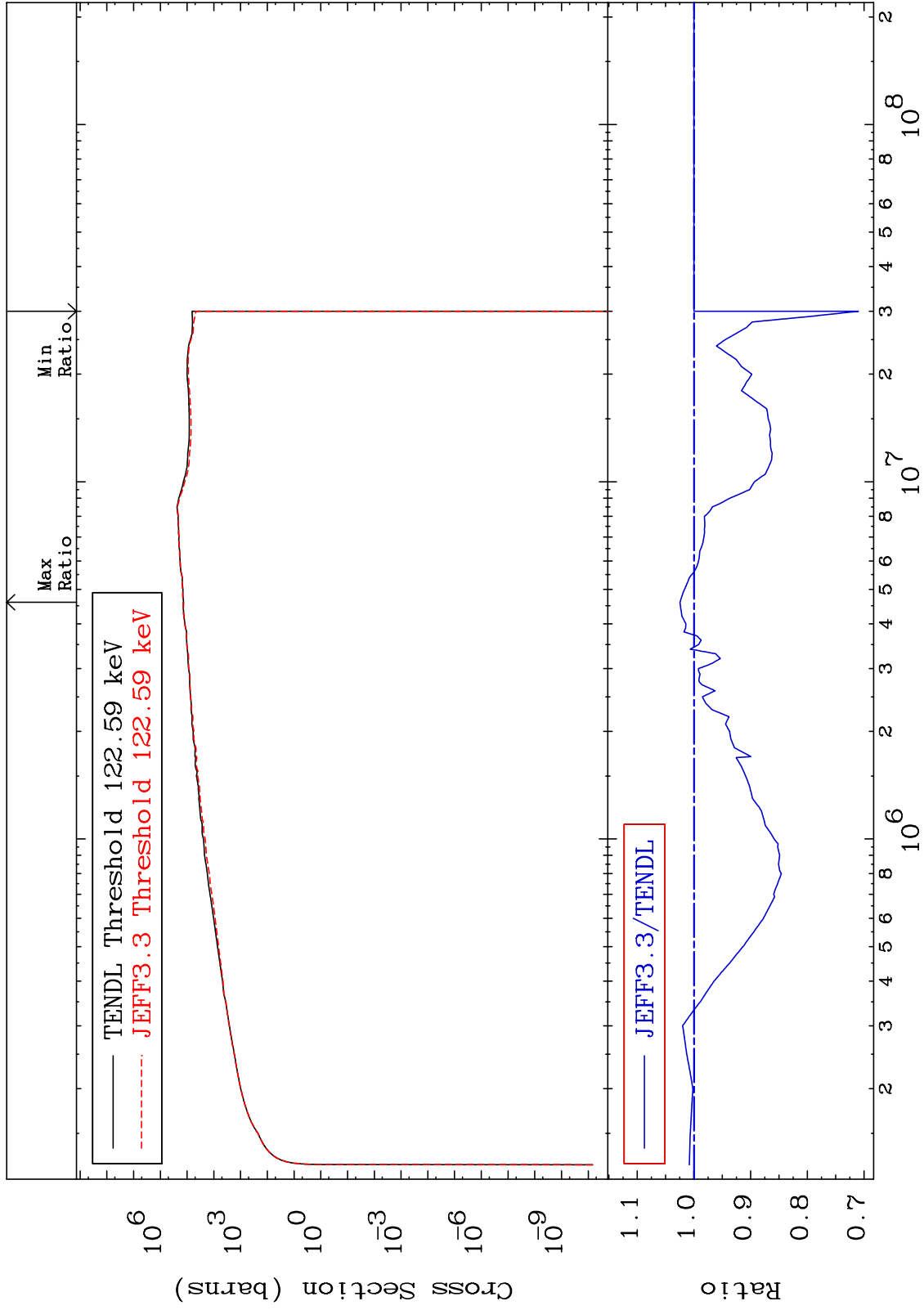
Incident Energy (eV)

62-Sm-152

MAT 6249

Kerma inelastic (mt51-91)
Cross Section

62-Sm-152
-29.01 To 2.460 %



72

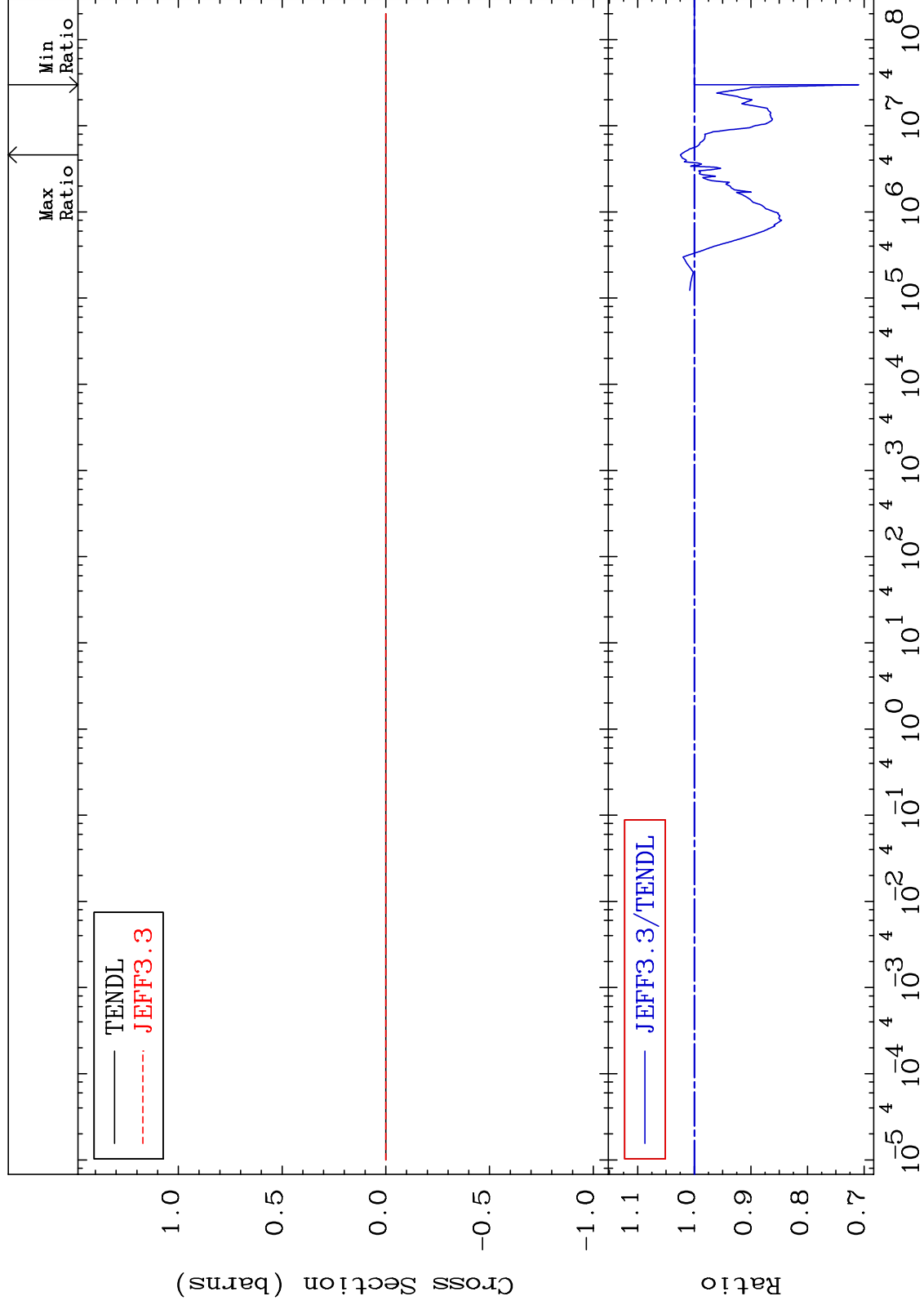
Incident Energy (eV)

62-Sm-152

MAT 6249

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

62-Sm-152
-29.01 To 2.460 %



73

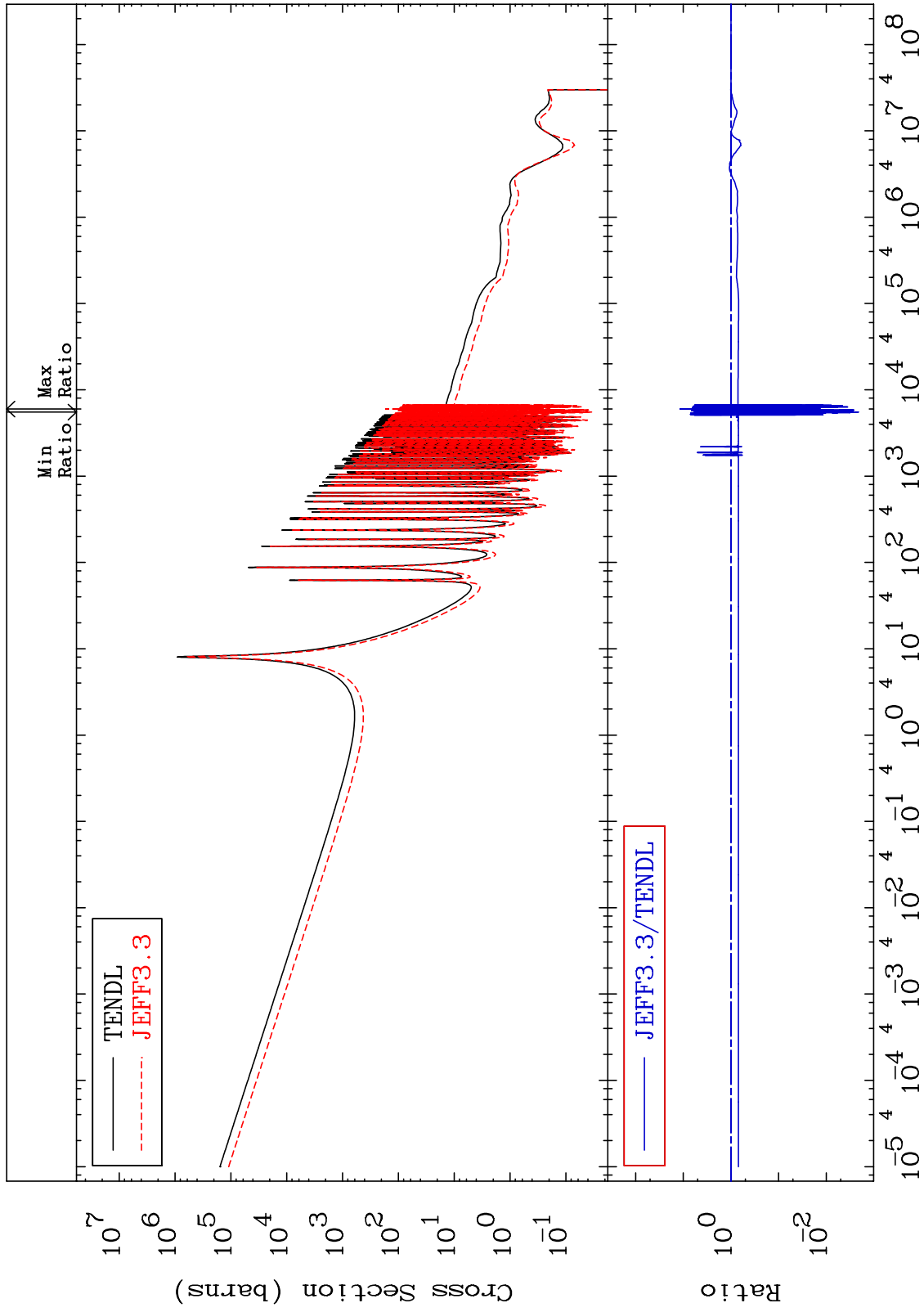
Incident Energy (eV)

62-Sm-152

MAT 6249

Kerma capture (mt102)
Cross Section

62-Sm-152
-99.79 To 1071. %



74

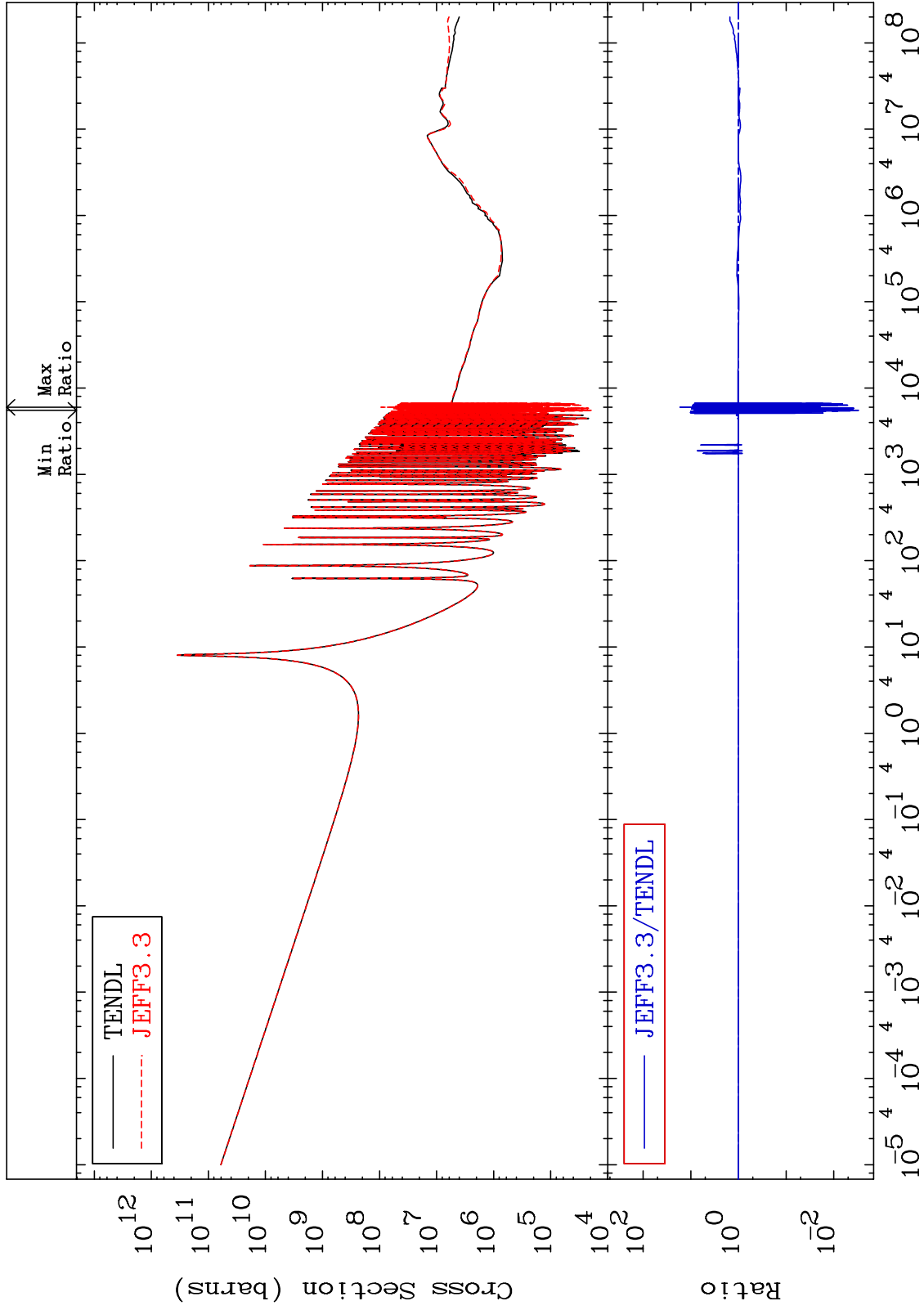
Incident Energy (eV)

62-Sm-152

MAT 6249

Total photon (eV-barns)
Cross Section

62-Sm-152
-99.70 To 1585. %



— TENDL
- - - JEFF3.3

— JEFF3.3/TENDL

75

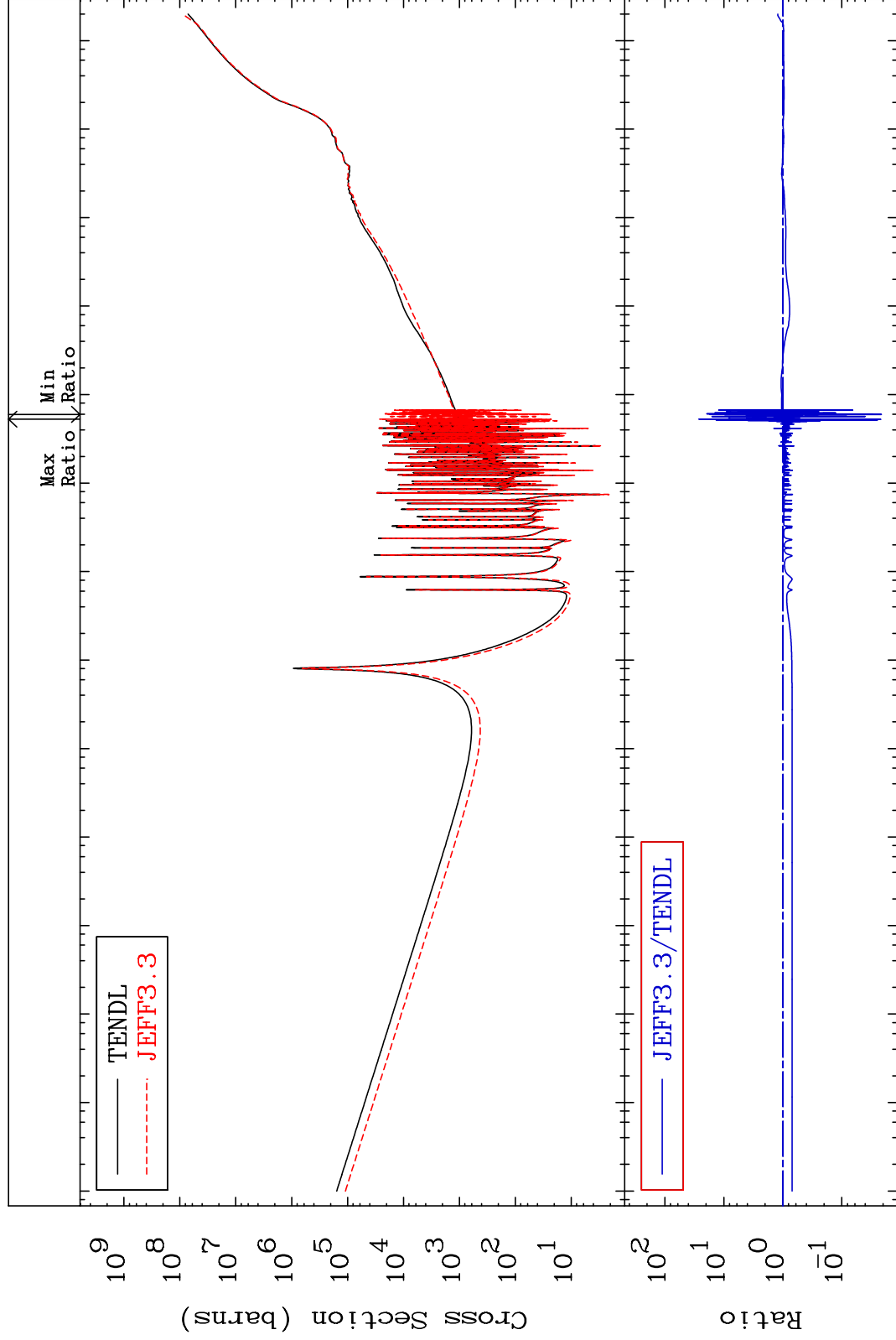
Incident Energy (eV)

62-Sm-152

MAT 6249

Total kinematic kerma (high limit)
Cross Section

62-Sm-152
-97.88 To 2565. %



76

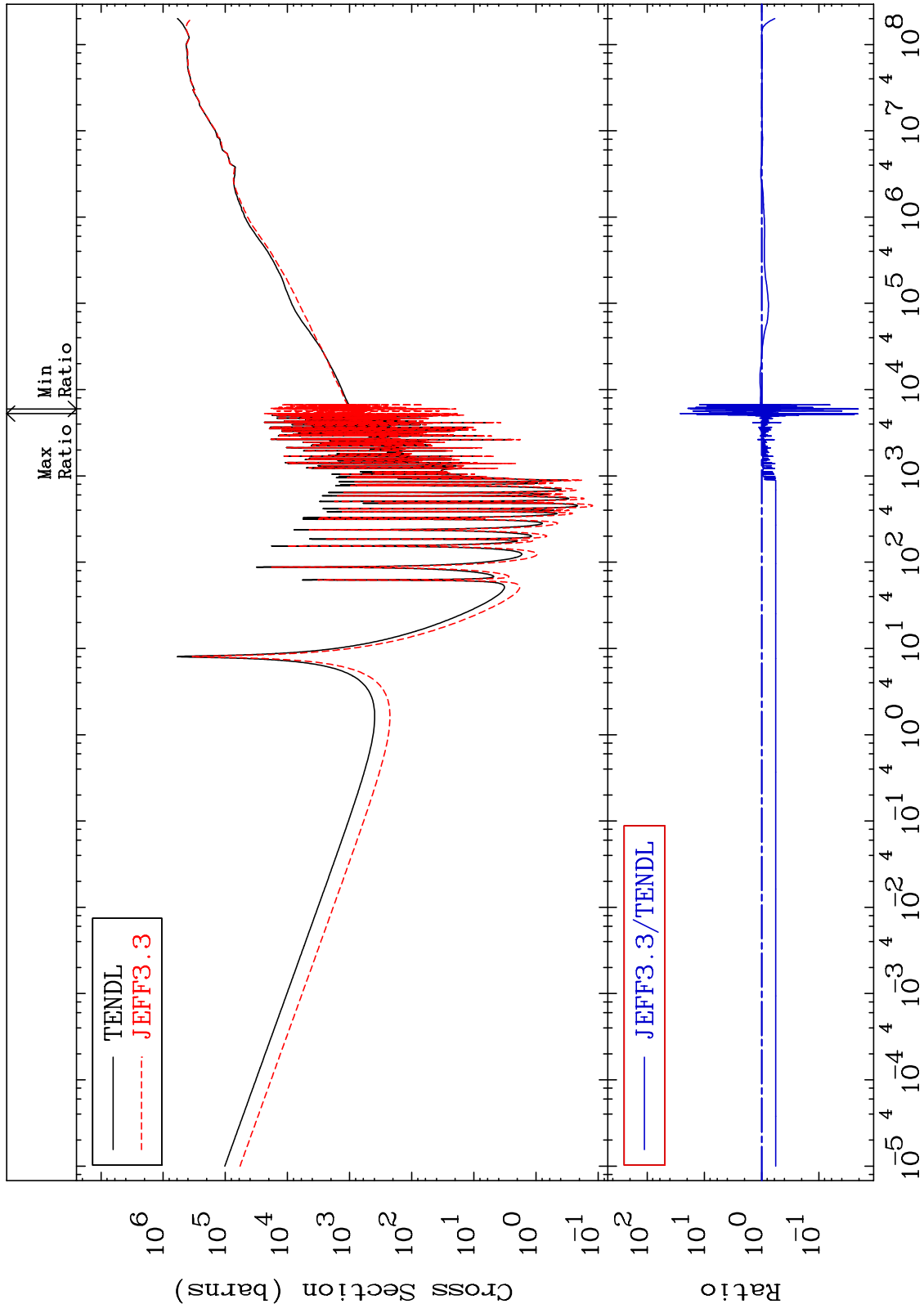
Incident Energy (eV)

62-Sm-152

MAT 6249

Dpa total (eV-barns)
Cross Section

62-Sm-152
-97.96 To 2575. %



77

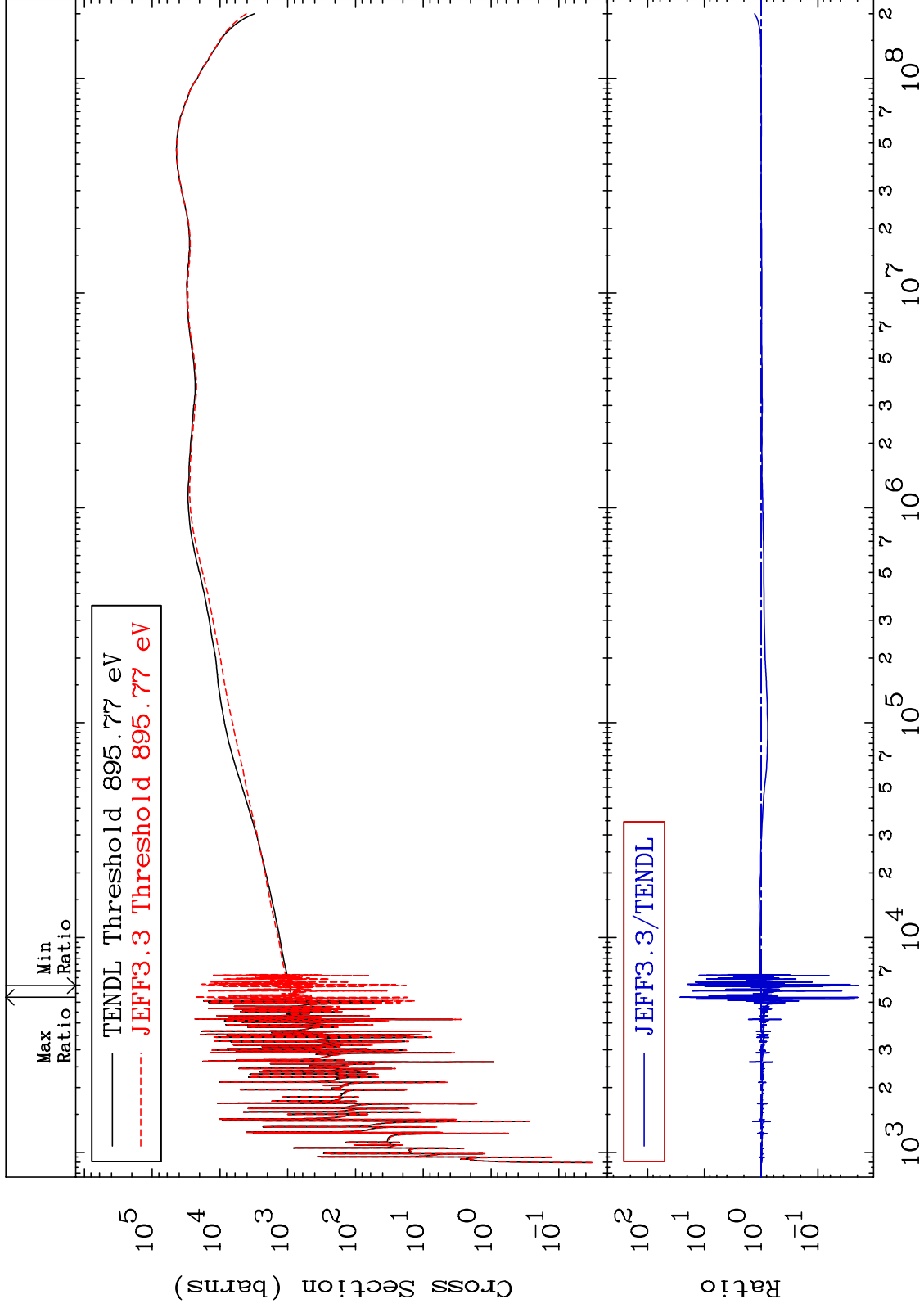
Incident Energy (eV)

62-Sm-152

MAT 6249

Dpa elastic (mt2)
Cross Section

62-Sm-152
-98.07 To 2604. %



78

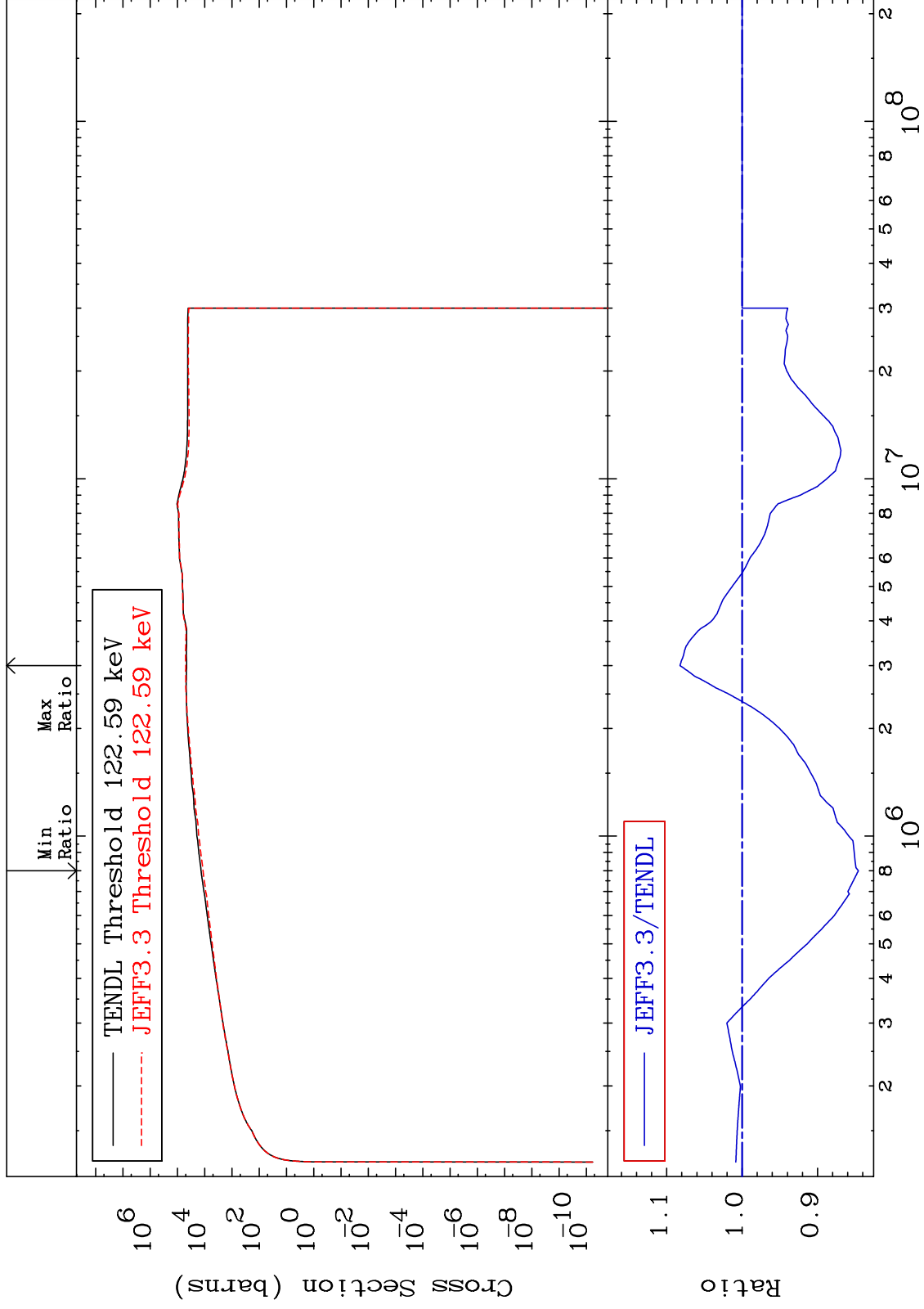
Incident Energy (eV)

62-Sm-152

MAT 6249

Dpa inelastic (mt51-91)
Cross Section

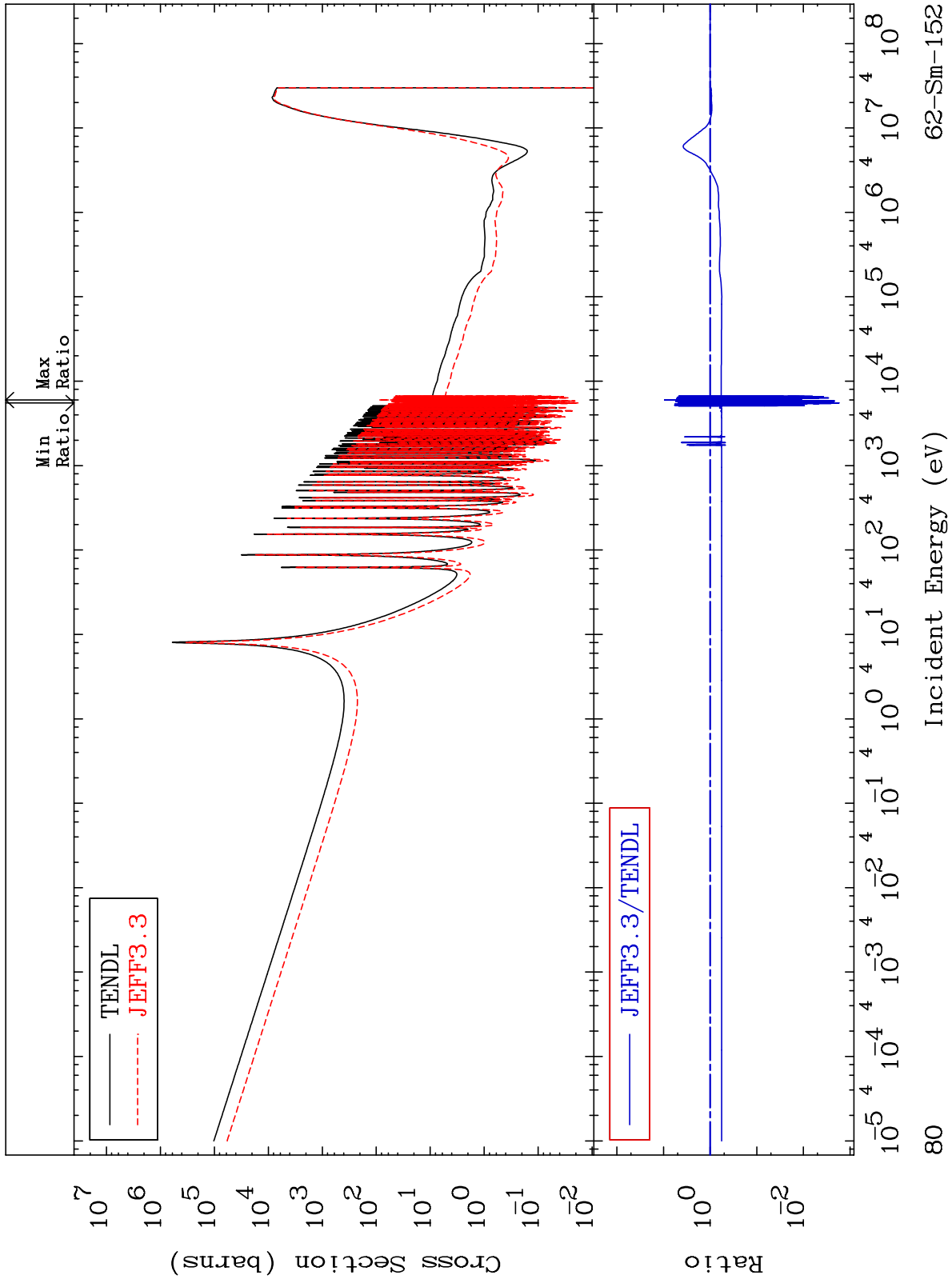
62-Sm-152
-15.42 To 8.232 %



MAT 6249

Dpa disappearance (mt102 -120)
Cross Section

62-Sm-152
-99.83 To 854.7 %

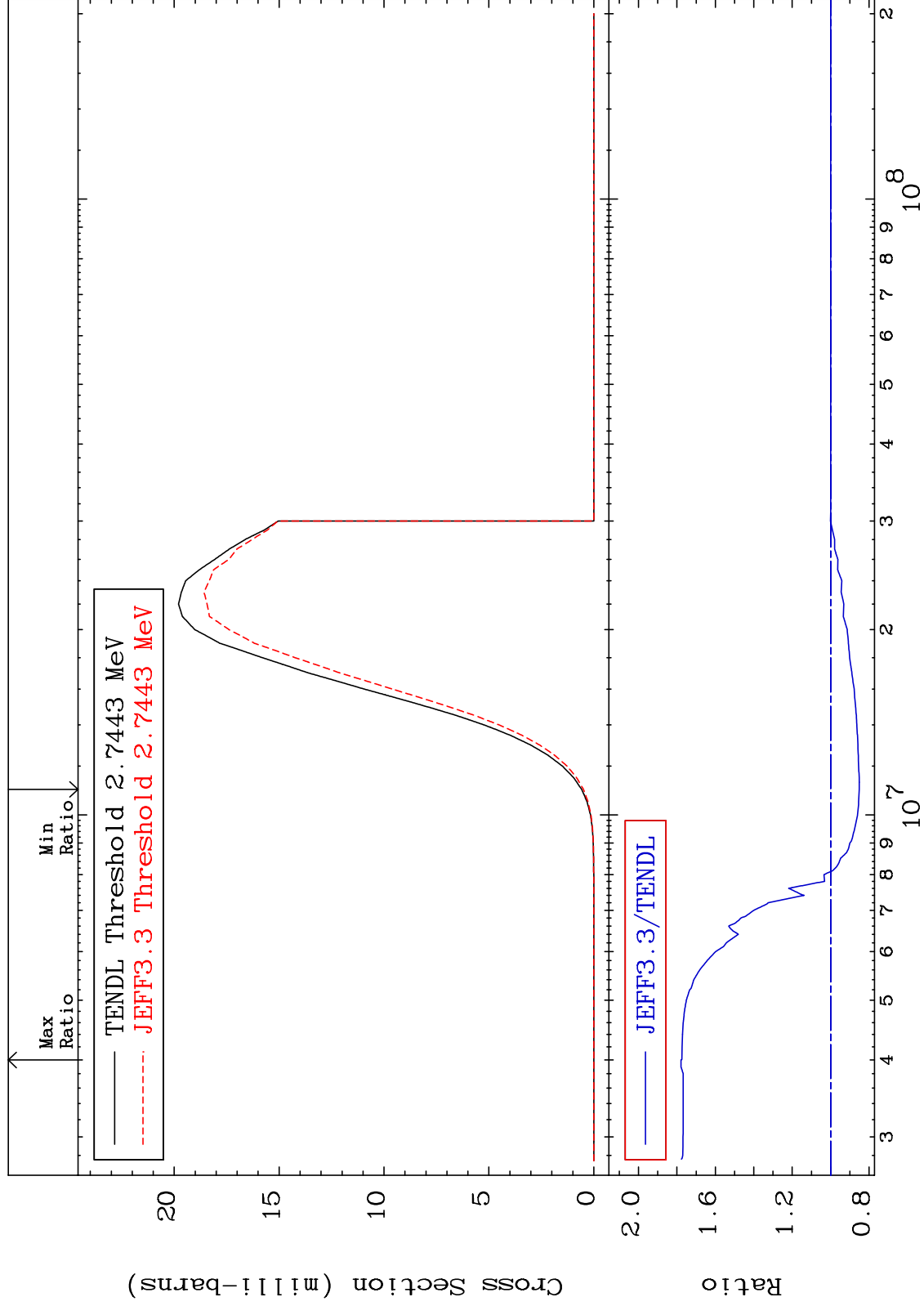


MAT 6249

(n,p):61-Pm-152g

62-Sm-152

Radionuclide Production Cross Section -14.90 To 77.86 %

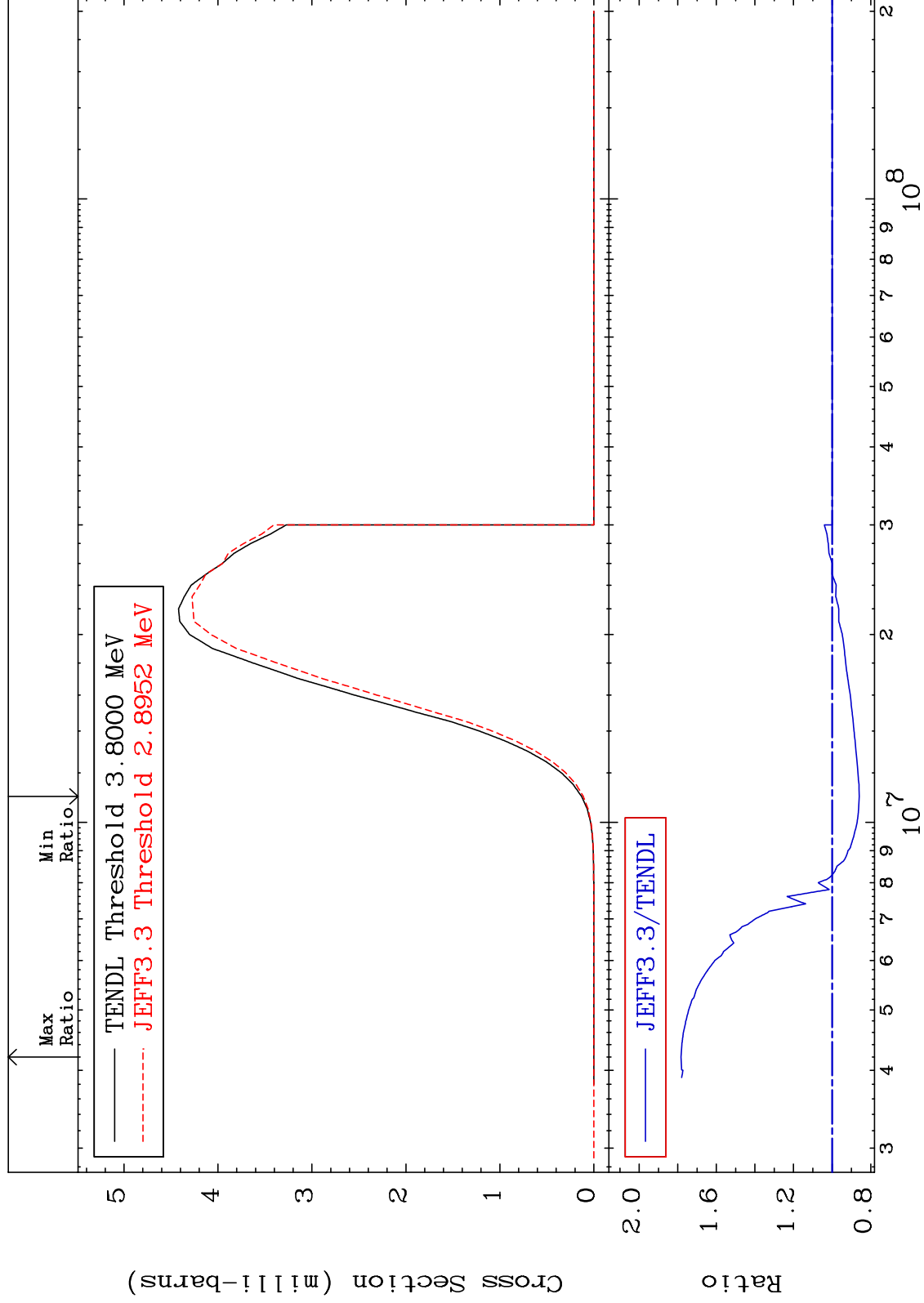


MAT 6249

(n, p): 61-Pm-152m4

62-Sm-152

Radionuclide Production Cross Section -14.08 To 78.30 %



82

Incident Energy (eV)

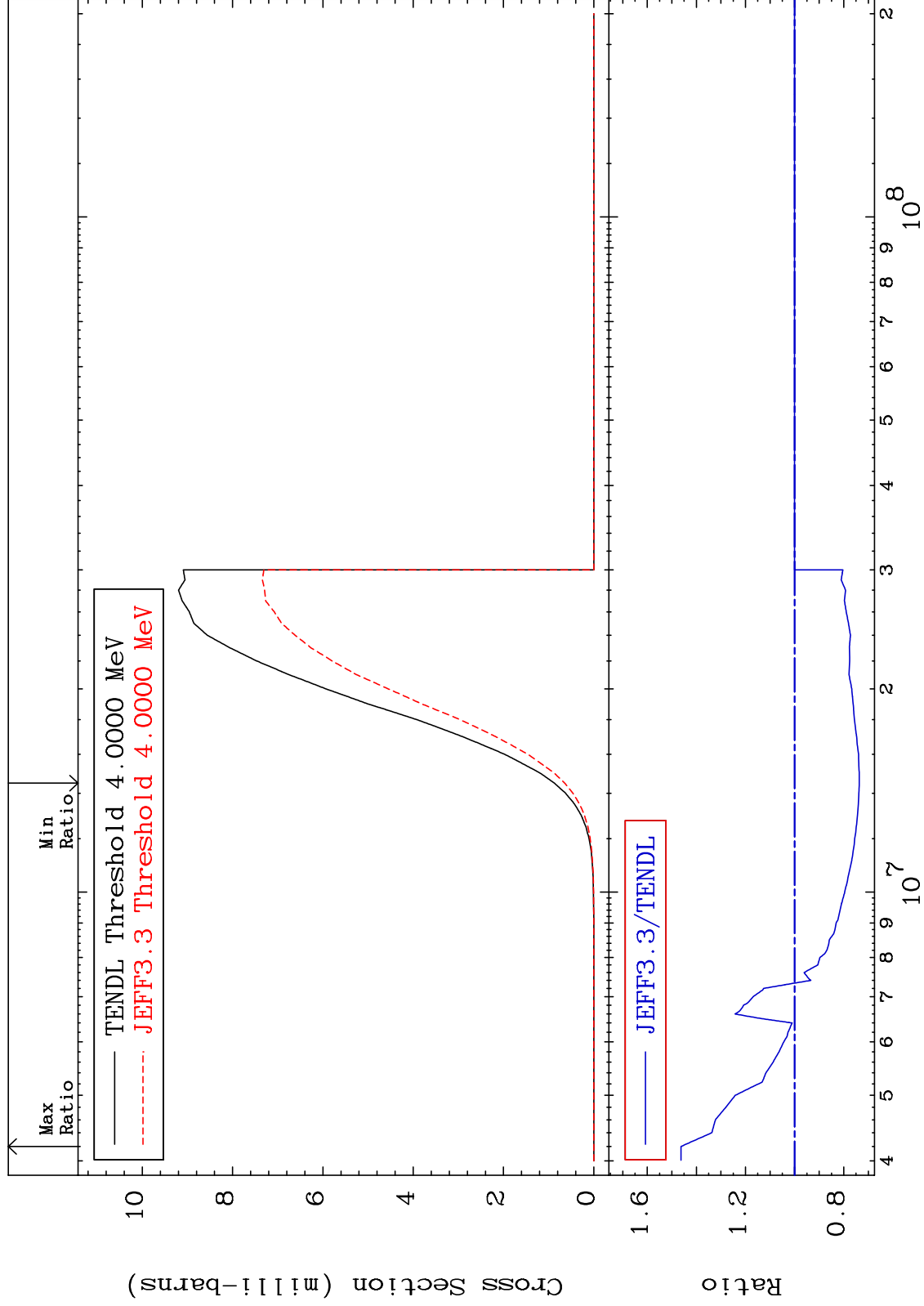
62-Sm-152

MAT 6249

(n, p):61-Pm-152m10

62-Sm-152

Radionuclide Production Cross Section -26.33 To 46.25 %

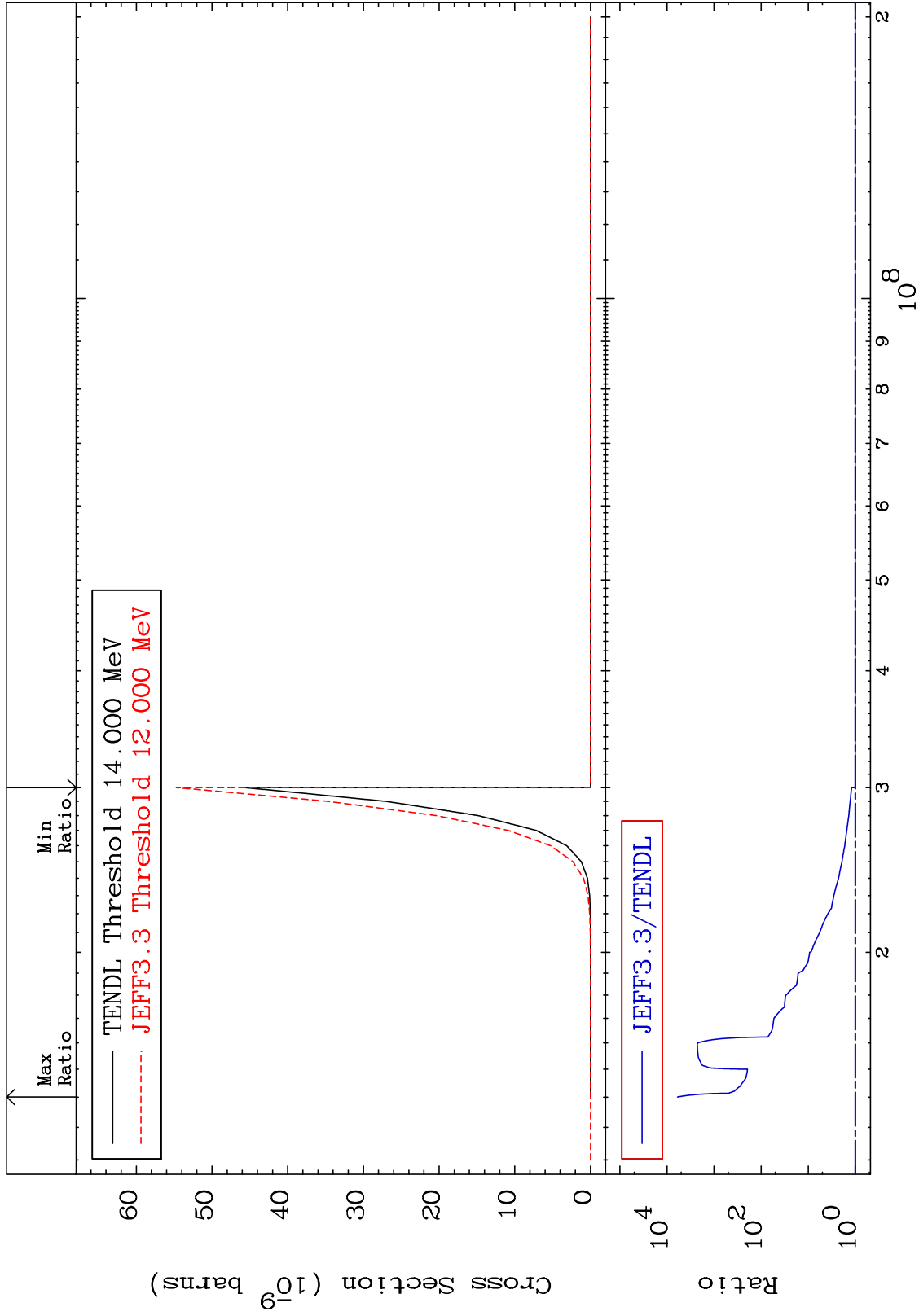


MAT 6249

(n, p) α :59-Pr-148g

62-Sm-152

Radionuclide Production Cross Section 0.000 To 9999. %



MAT 6249

(n, p) α :59-Pr-148m1

62-Sm-152

Radionuclide Production Cross Section 0.000 To 9999. %

