

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

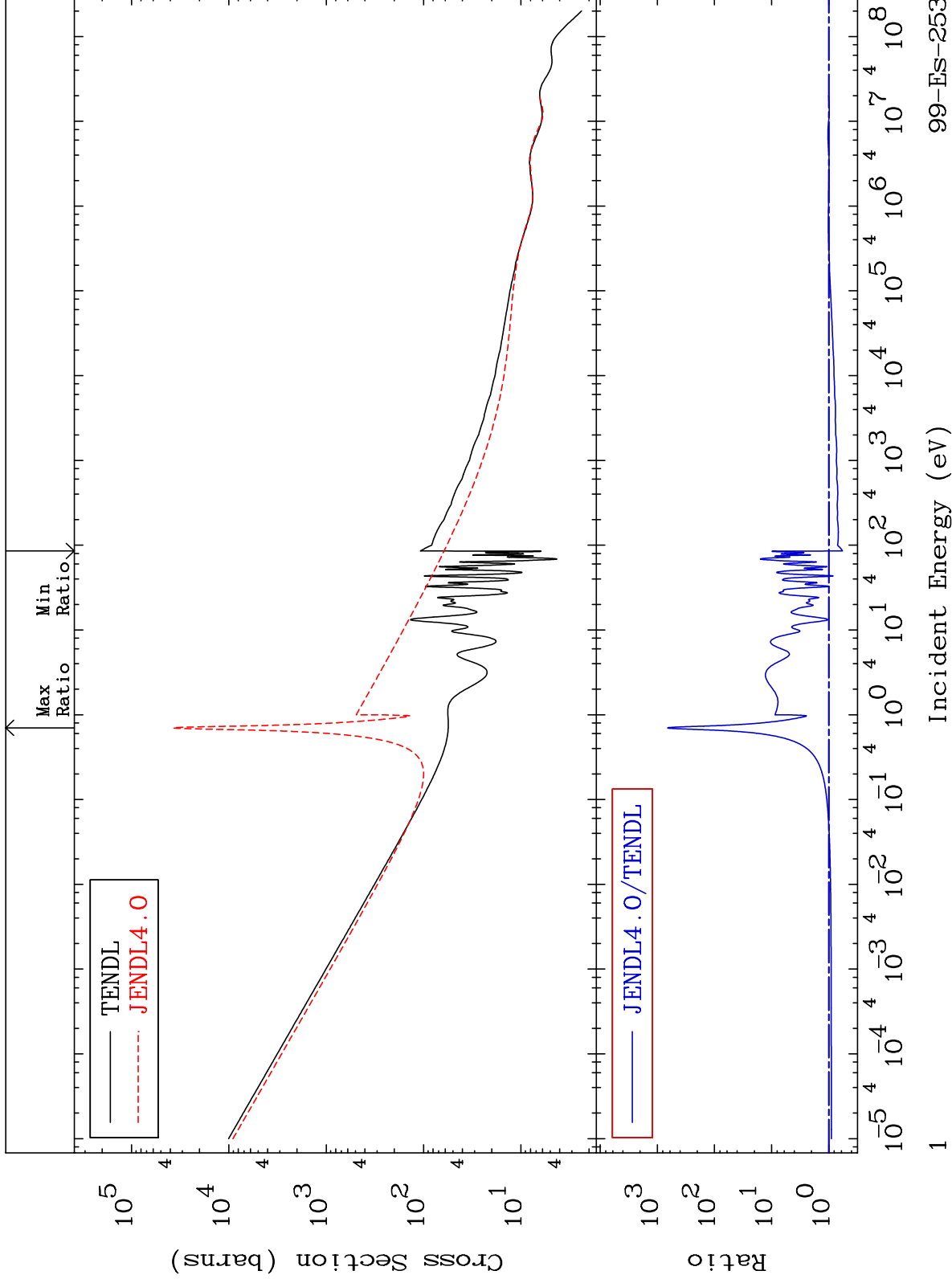
MAT 9913

Total

Cross Section

99-Es-253

-42.79 To 9999. %



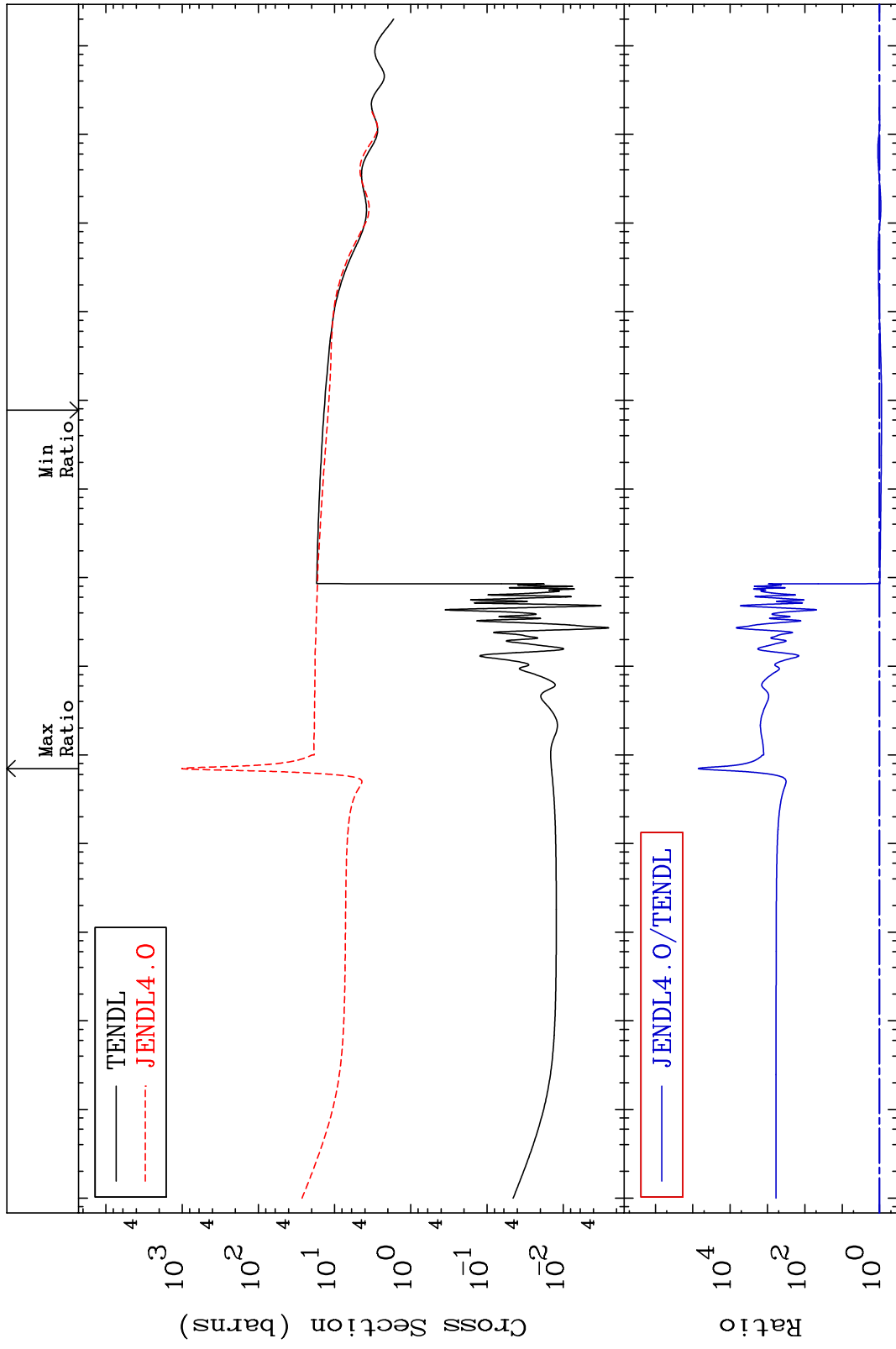
MAT 9913

Elastic

99-Es-253

Cross Section

-11.58 To 9999. %



Incident Energy (eV)

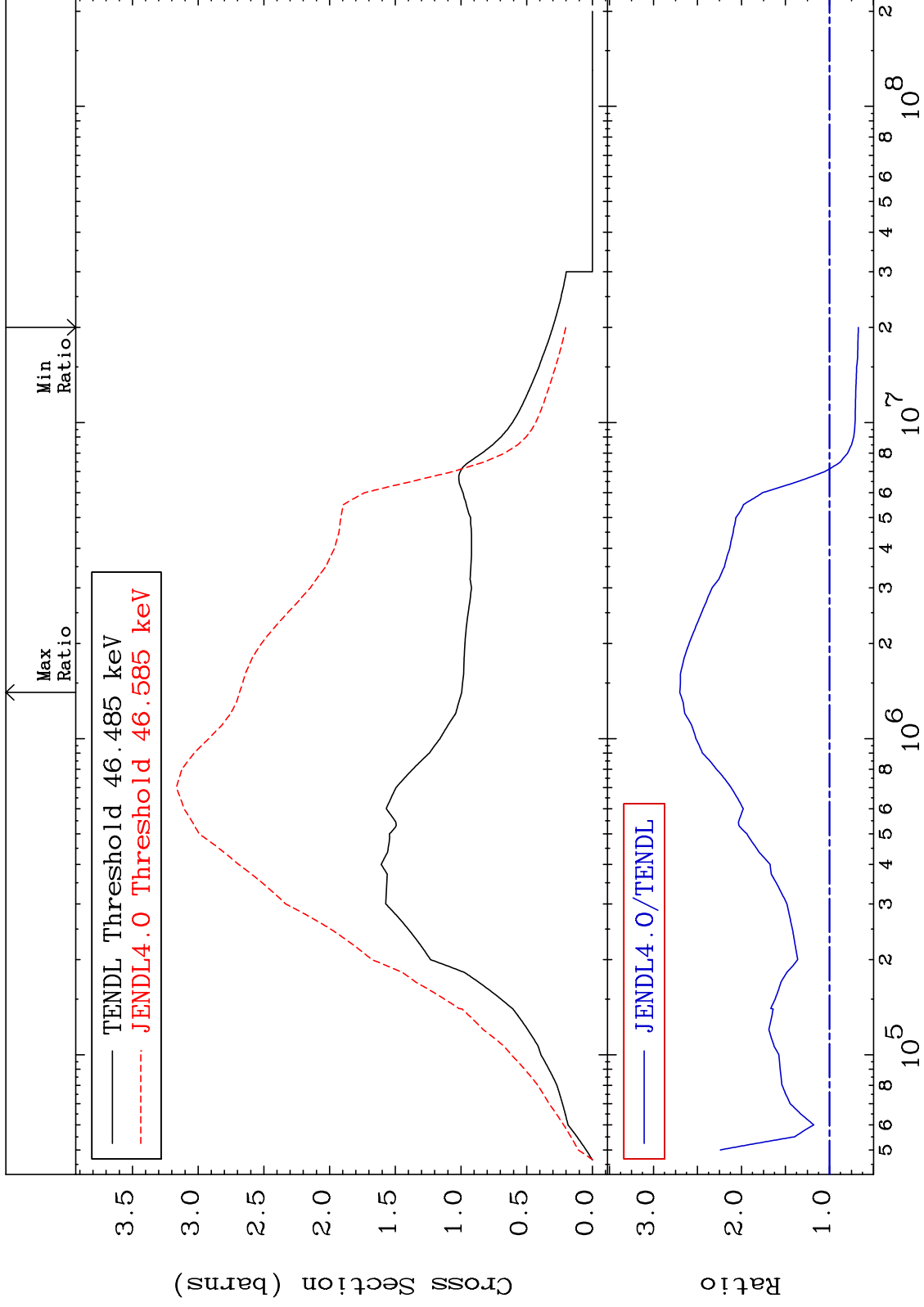
99-Es-253

MAT 9913

Inelastic
Cross Section

99-Es-253

-32.81 To 170.1 %



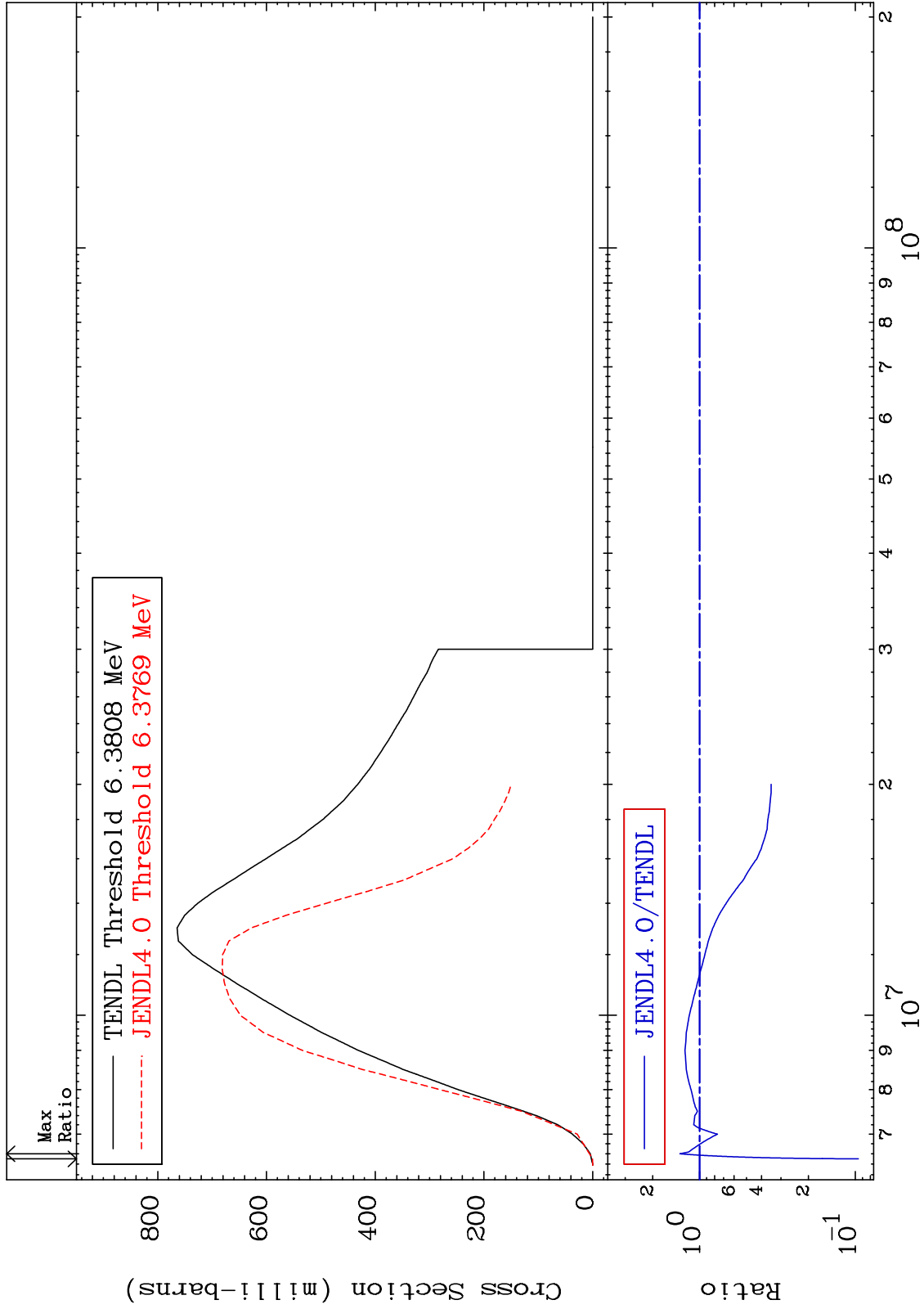
MAT 9913

(n,2n)

99-Es-253

Cross Section

-90.45 To 33.42 %



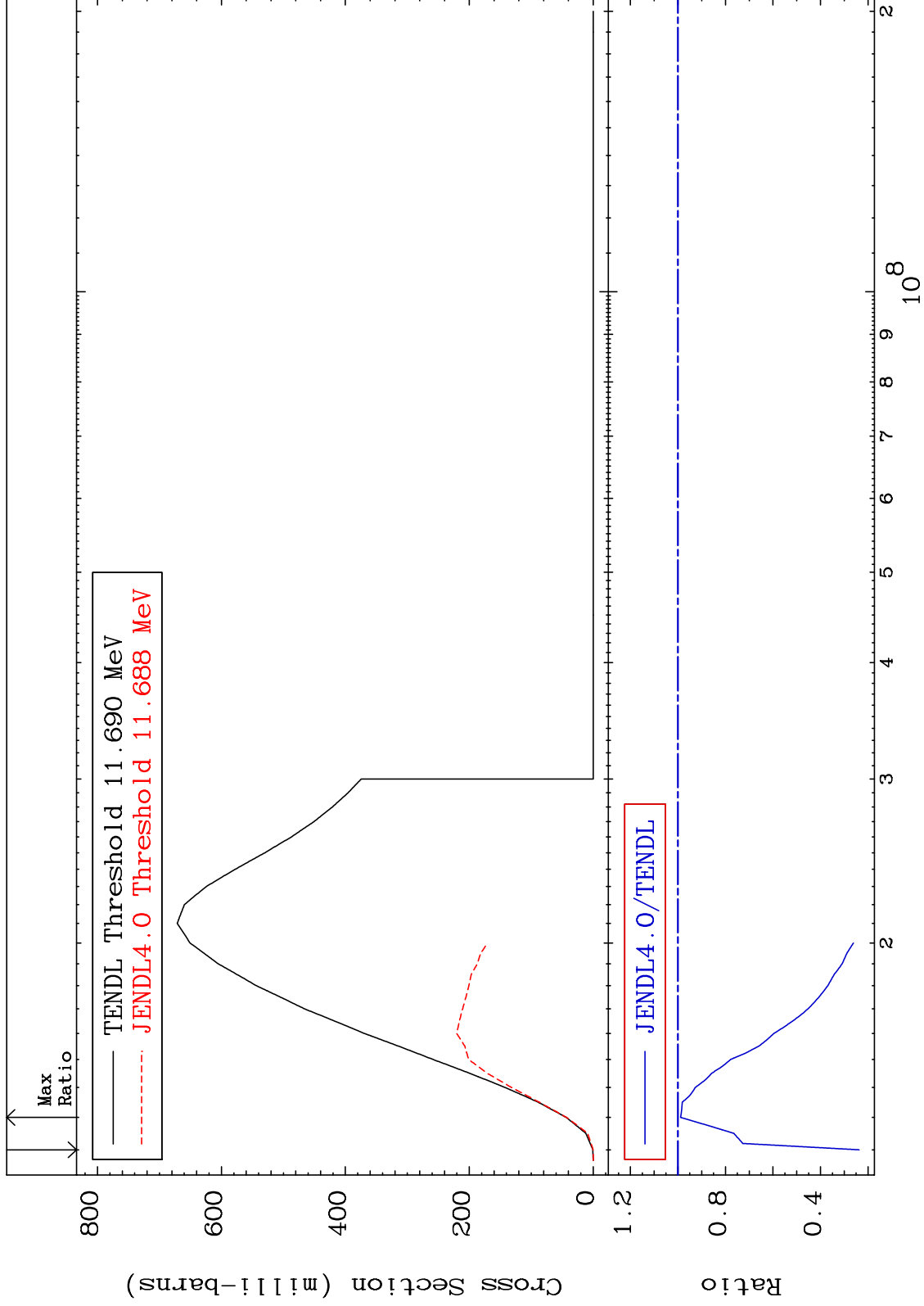
MAT 9913

(n, 3n)

99-Es-253

Cross Section

-76.26 To -1.141%



5

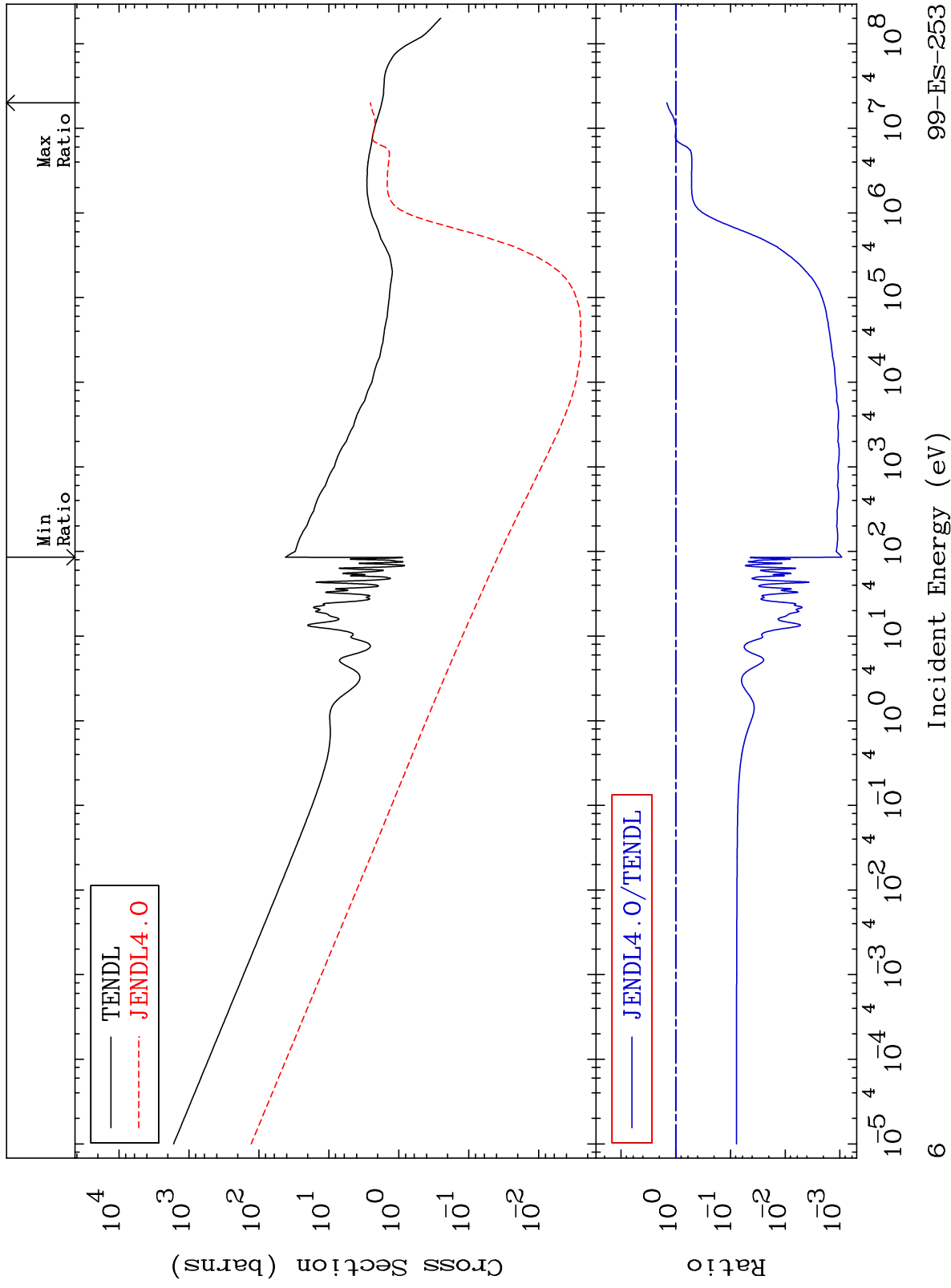
Incident Energy (eV)

99-Es-253

MAT 9913

Fission
Cross Section

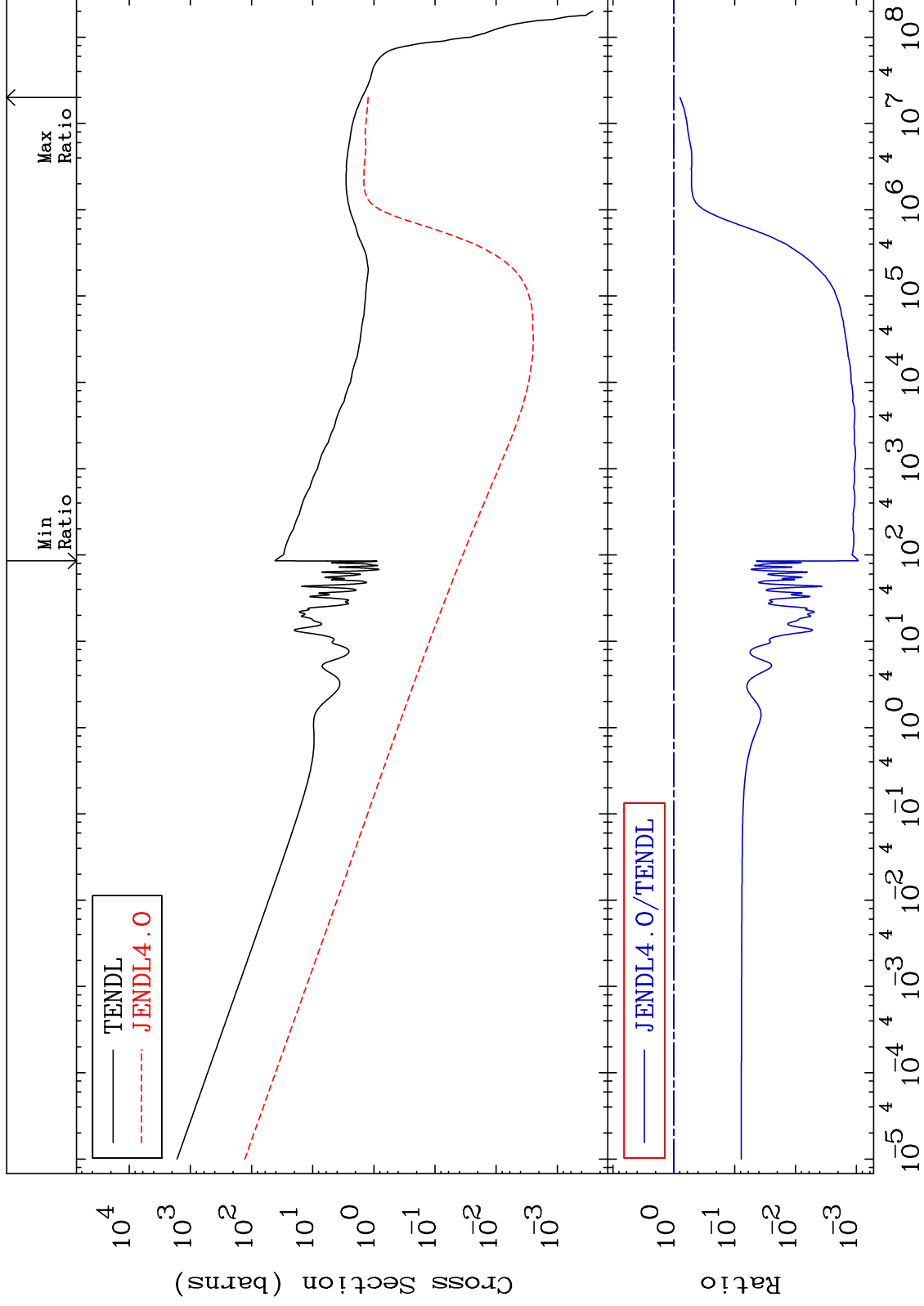
99-Es-253
-99.91 To 45.18 %



MAT 9913

(n,f) First Chance
Cross Section

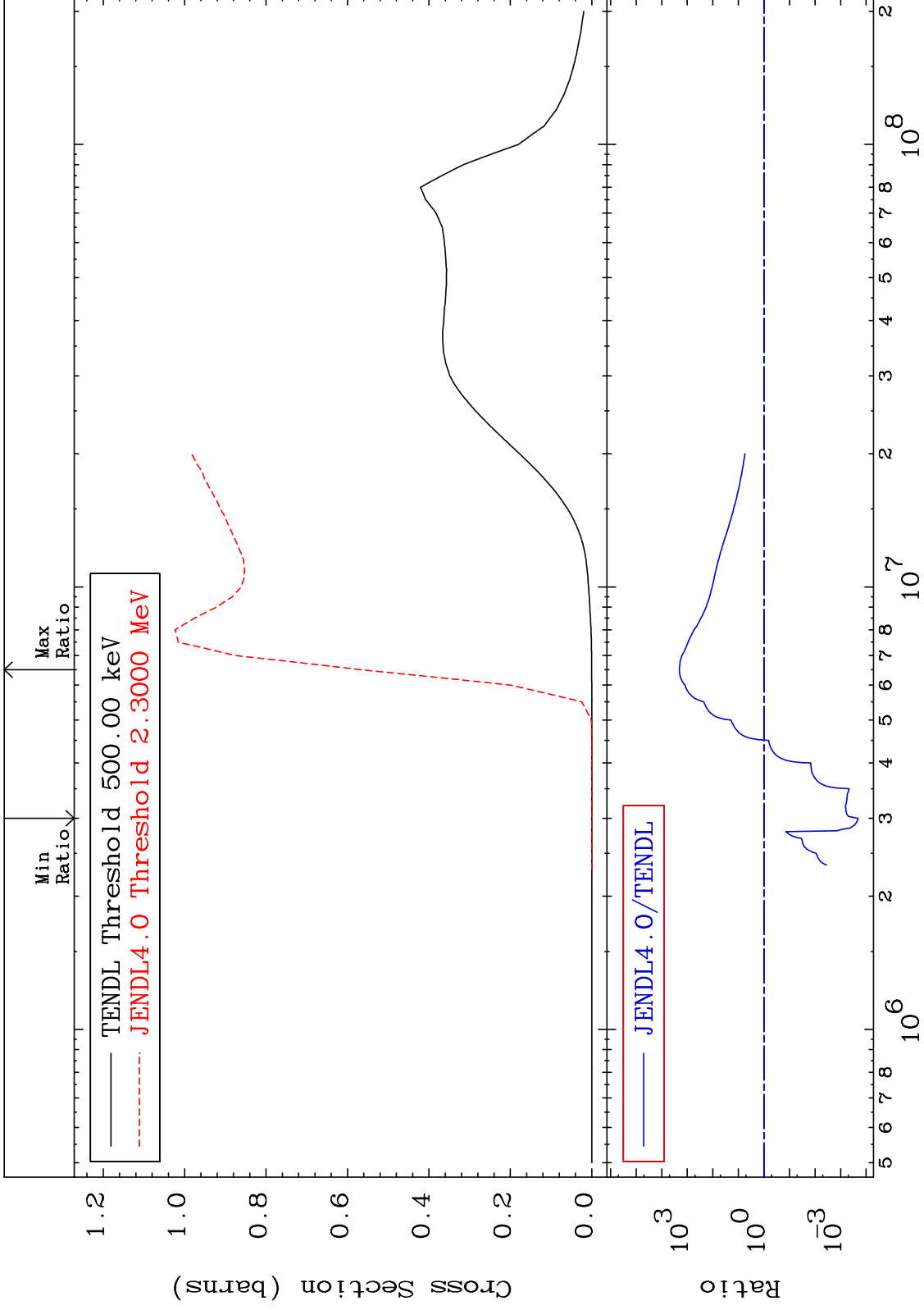
99-Es-253
-99.91 To -20.94%



MAT 9913

(n, nf) Second Chance
Cross Section

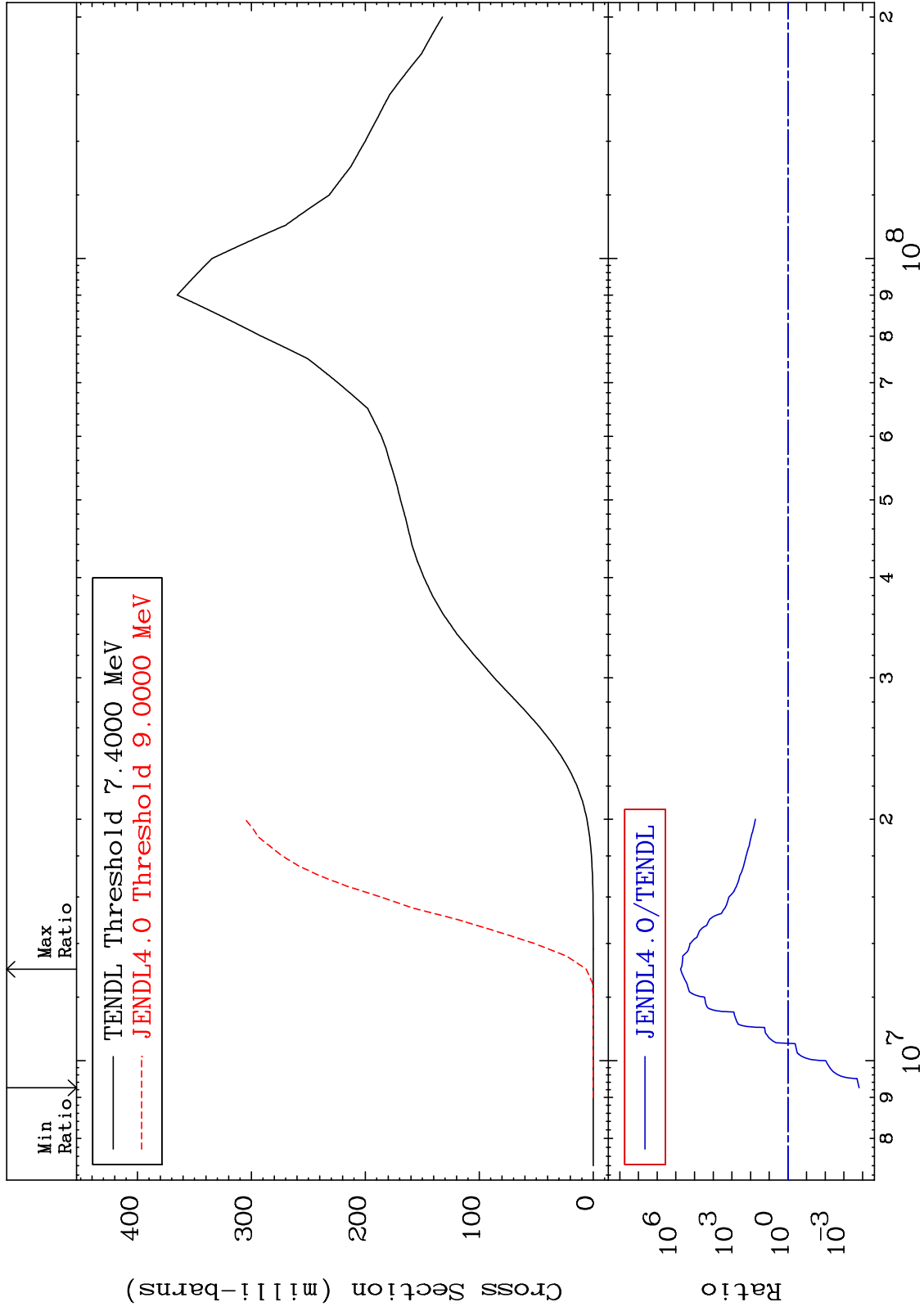
99-Es-253
-99.98 To 9999. %



MAT 9913

(n,2nf) Third Chance
Cross Section

99-Es-253
-99.98 To 9999. %



9

Incident Energy (eV)

99-Es-253

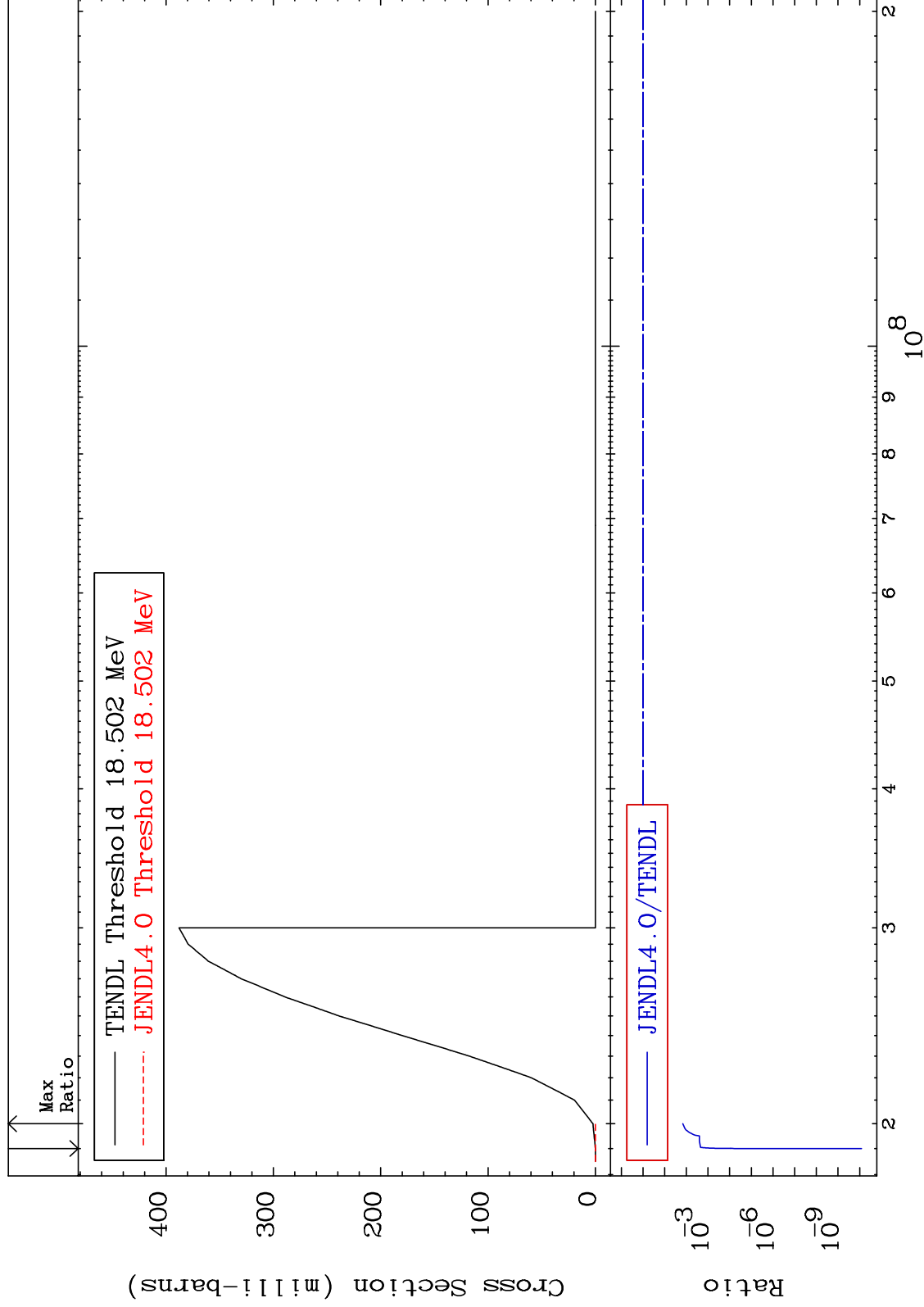
MAT 9913

(n, 4n)

99-Es-253

Cross Section

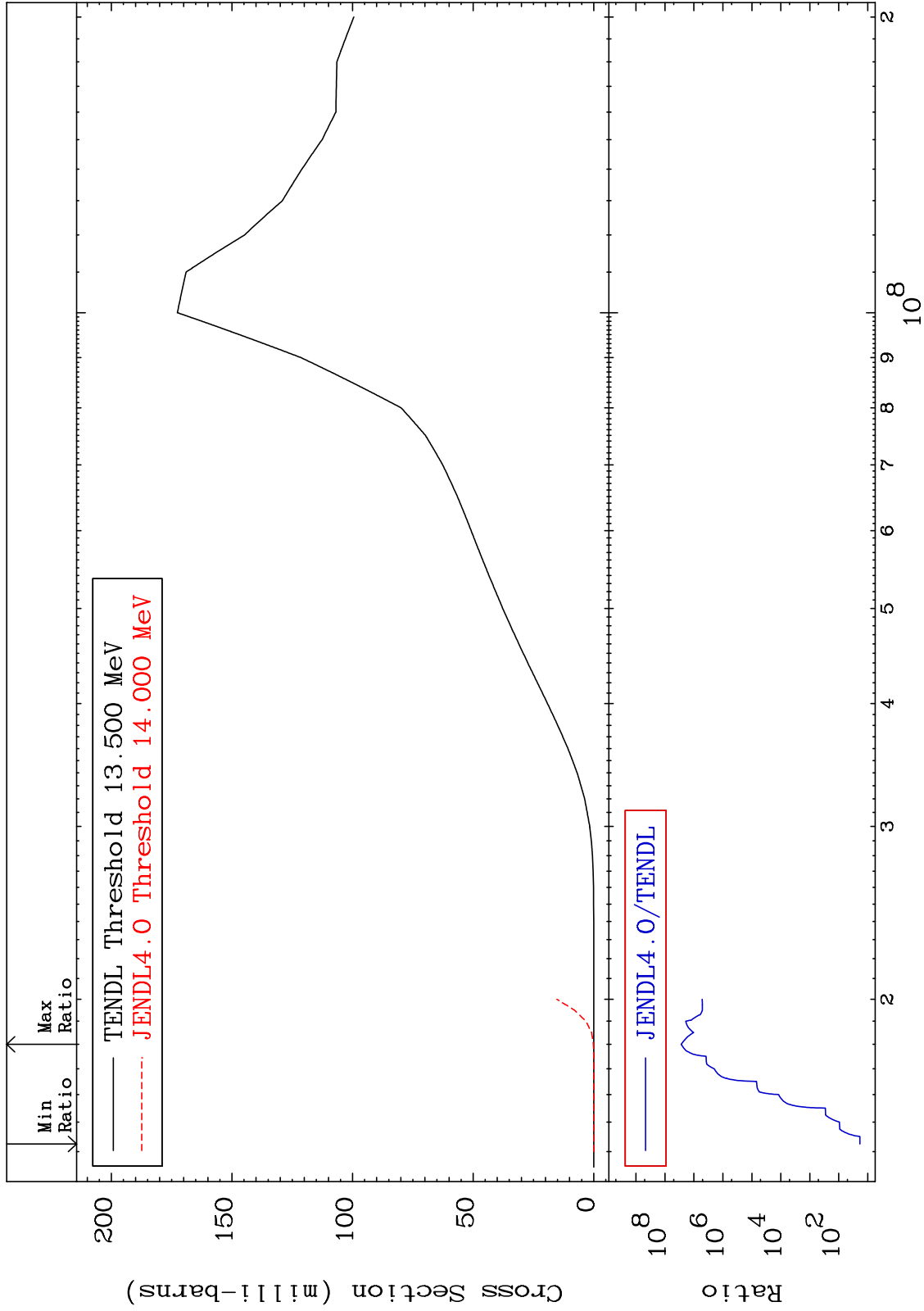
-100.0 To -98.56%



10

Incident Energy (eV)

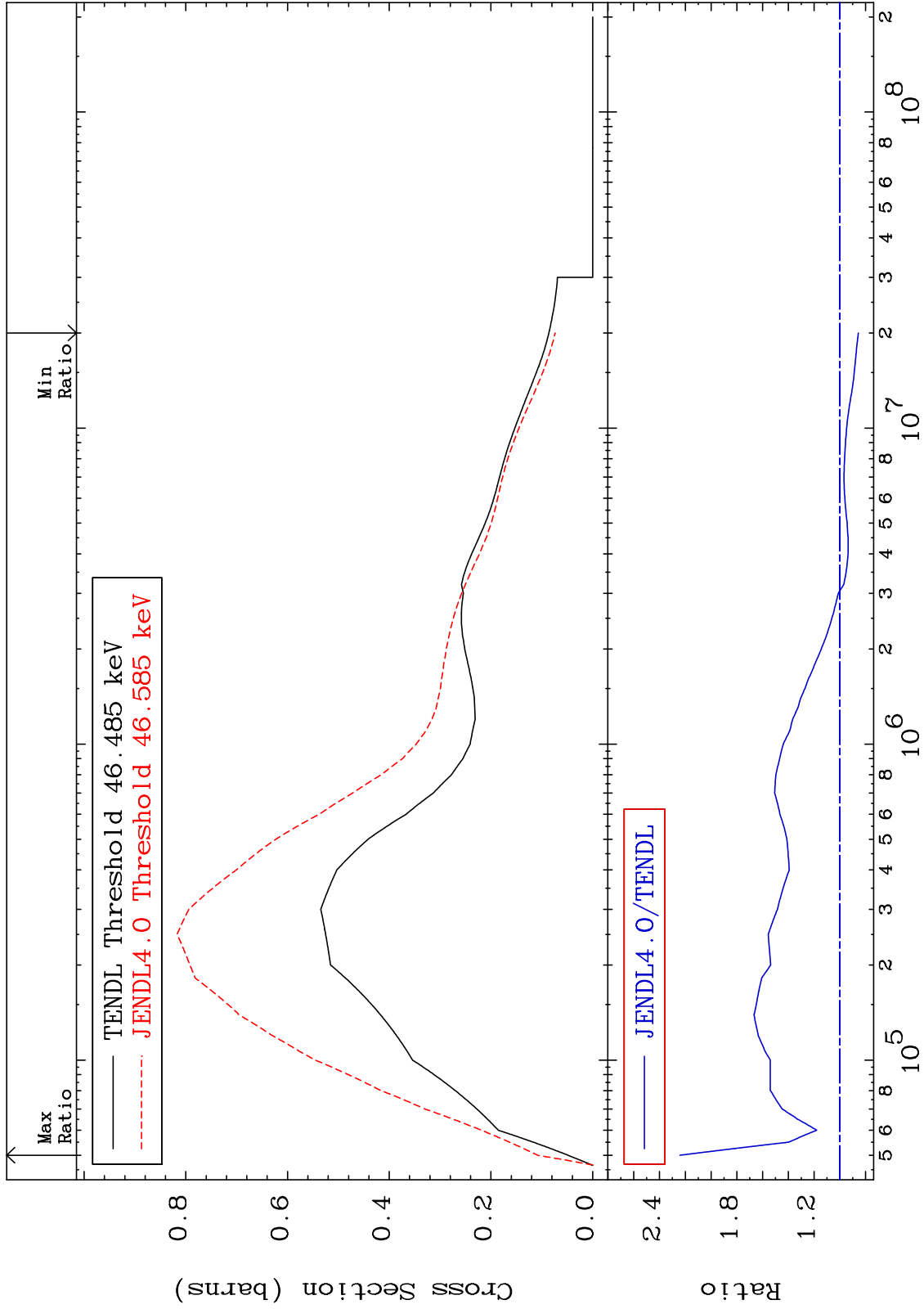
99-Es-253



MAT 9913

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

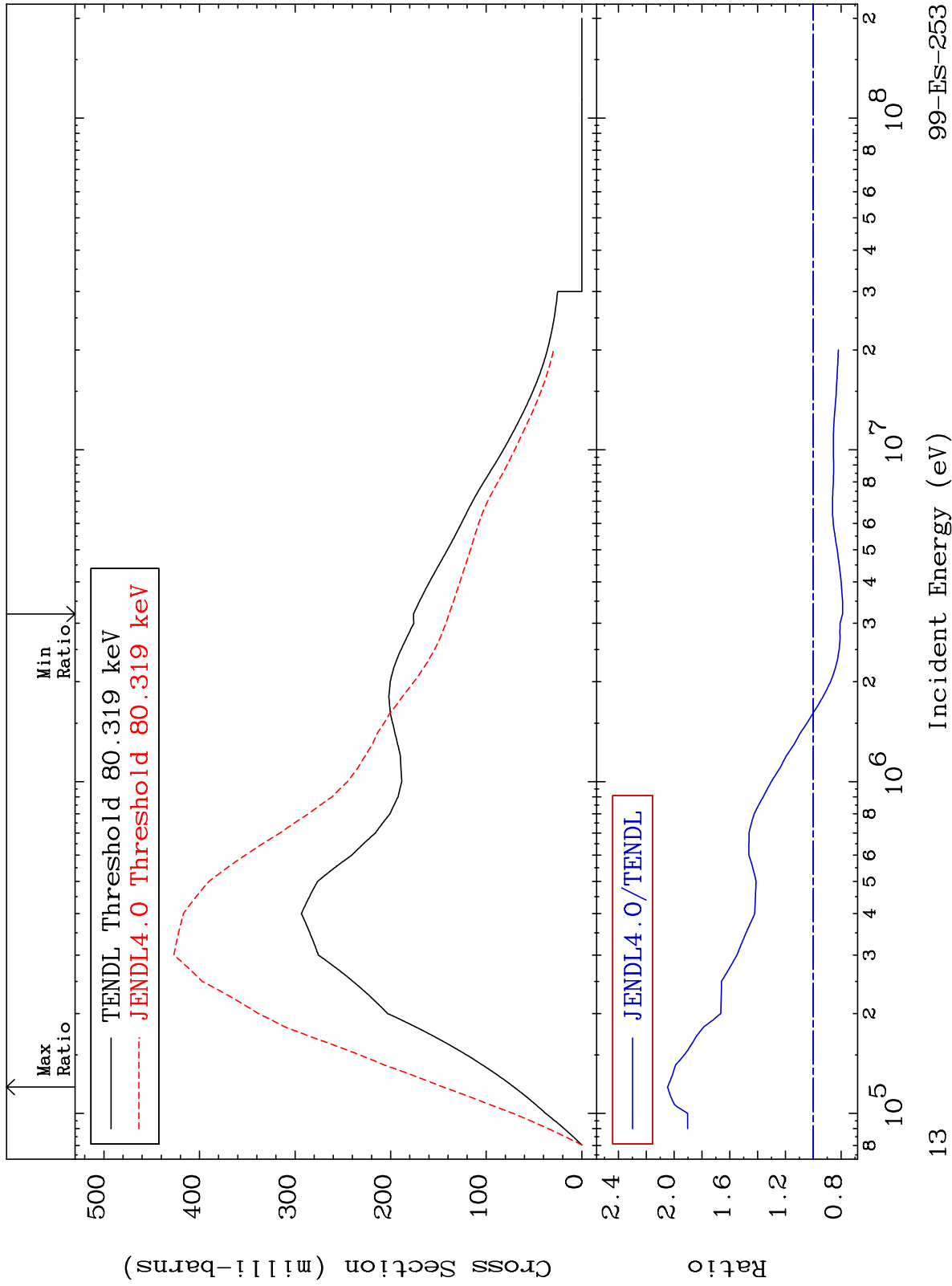
99-Es-253
-14.42 To 124.1 %



12

99-Es-253

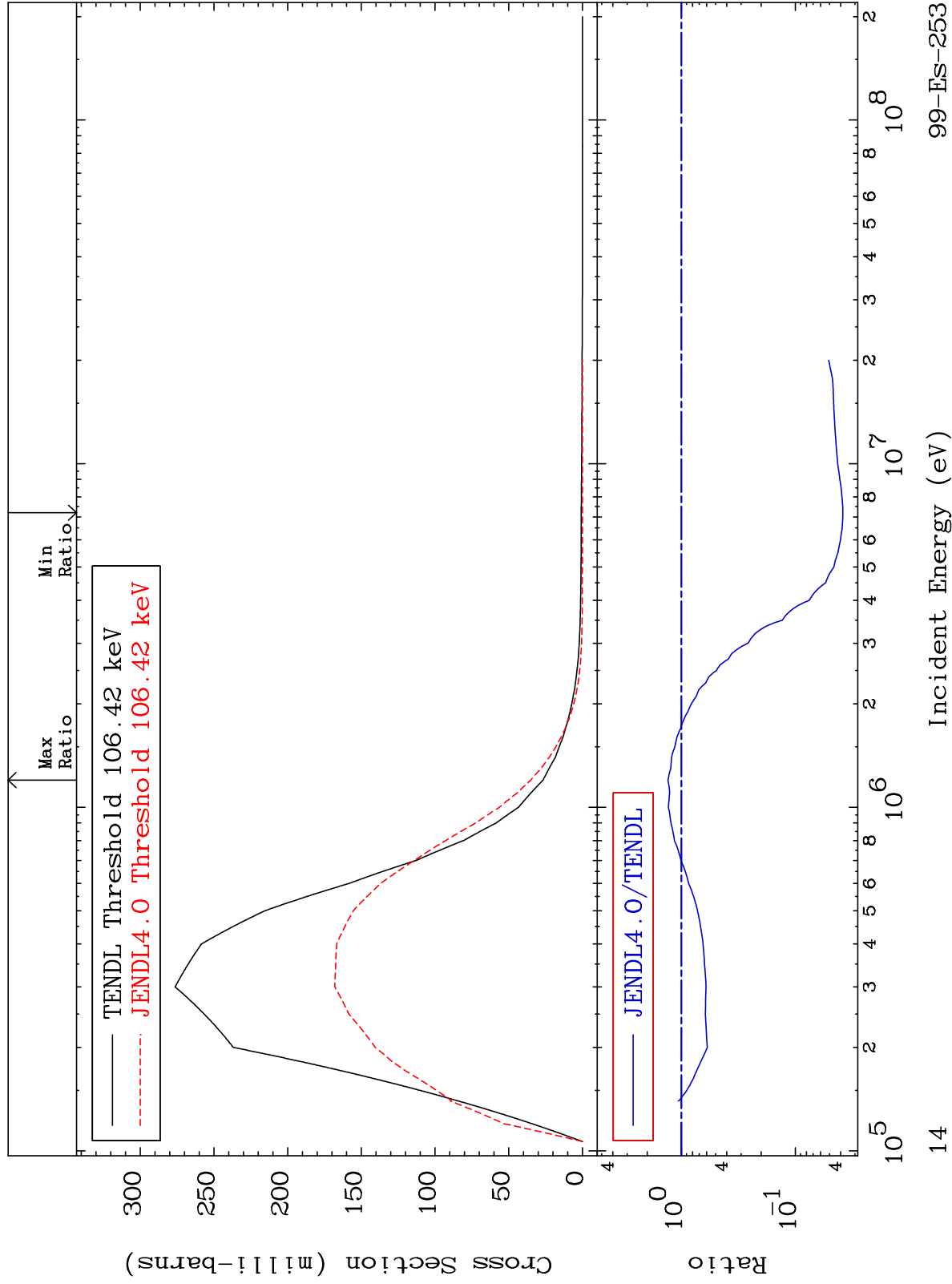
MAT 9913 MT= 52 (n,n') Level 99-Es-253
Cross Section -21.09 To 104.7 %



MAT 9913

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

99-Es-253
-96.17 To 31.12 %



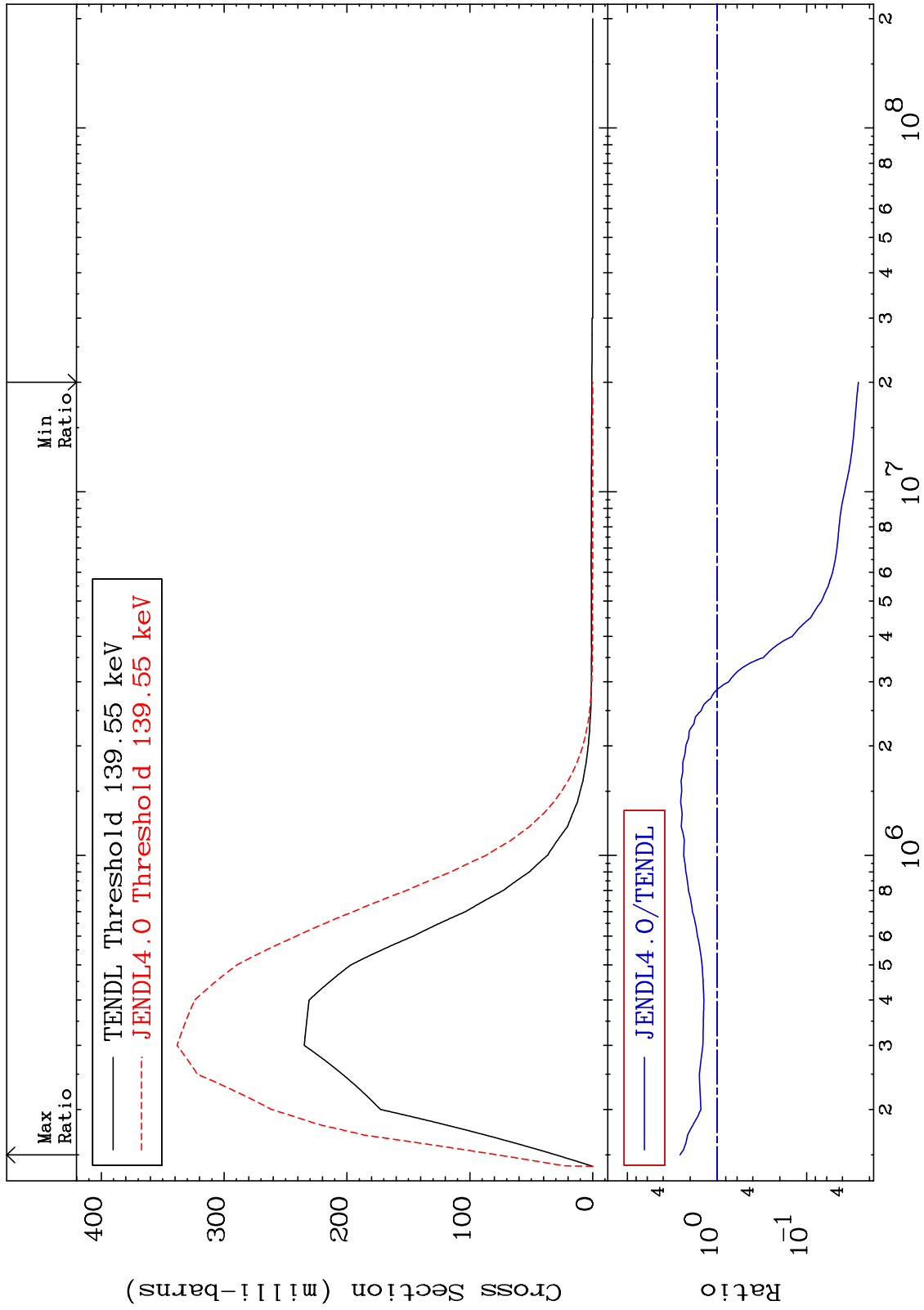
14

99-Es-253

MAT 9913

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

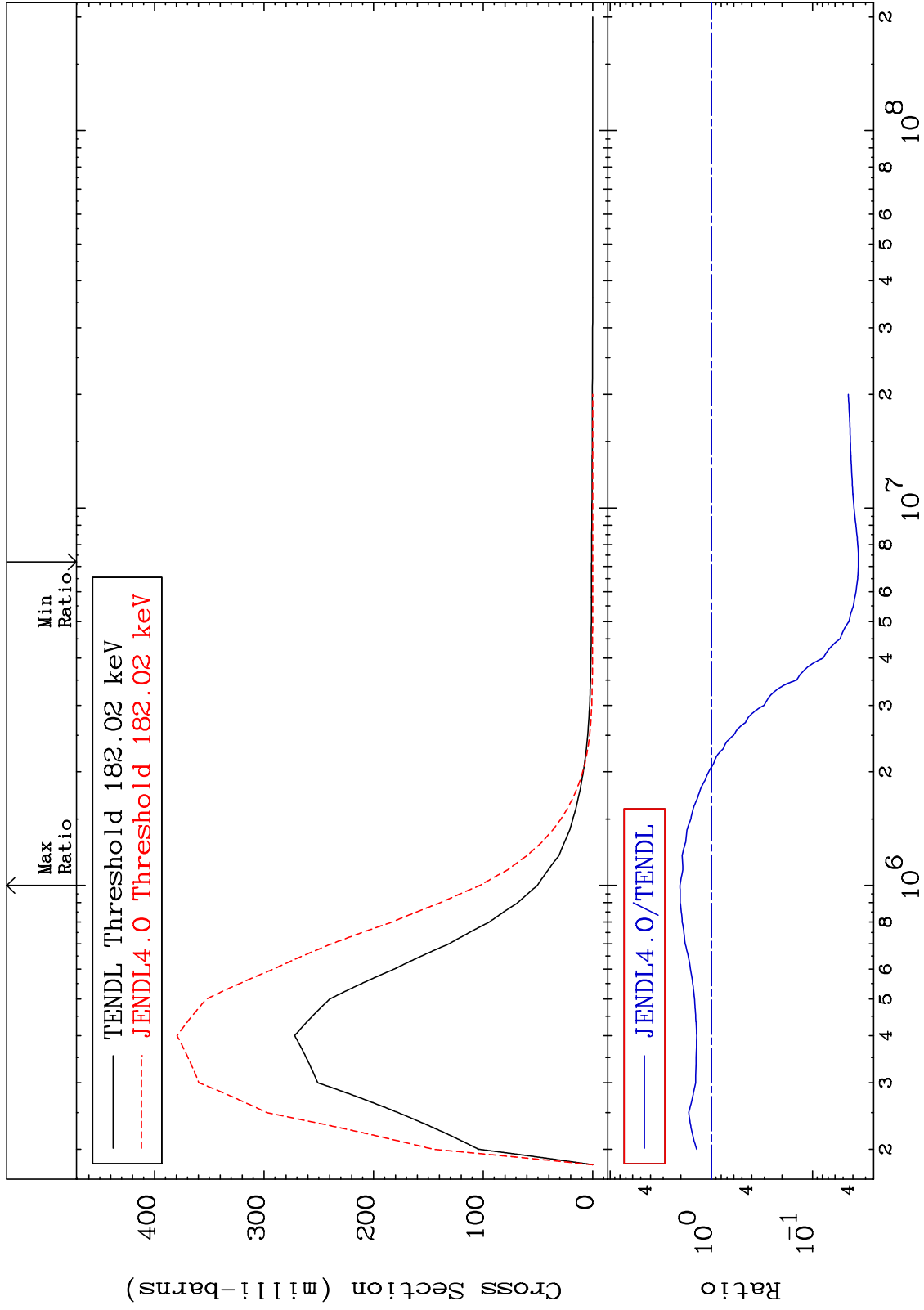
99-Es-253
-97.34 To 159.1 %



MAT 9913

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

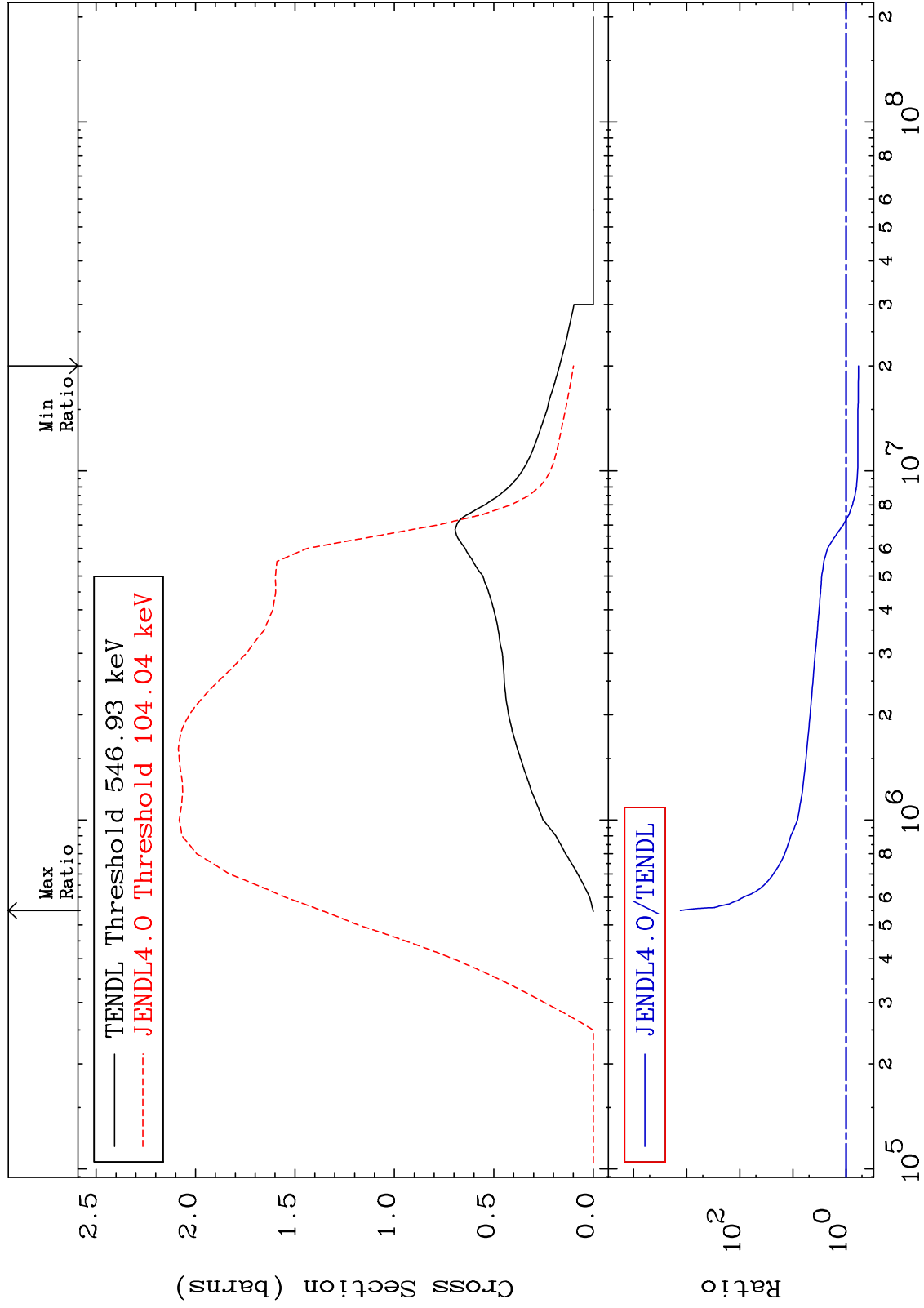
99-Es-253
-96.47 To 104.0 %



MAT 9913

(n,n') Continuum
Cross Section

99-Es-253
-41.71 To 9999. %



99-Es-253

Incident Energy (eV)

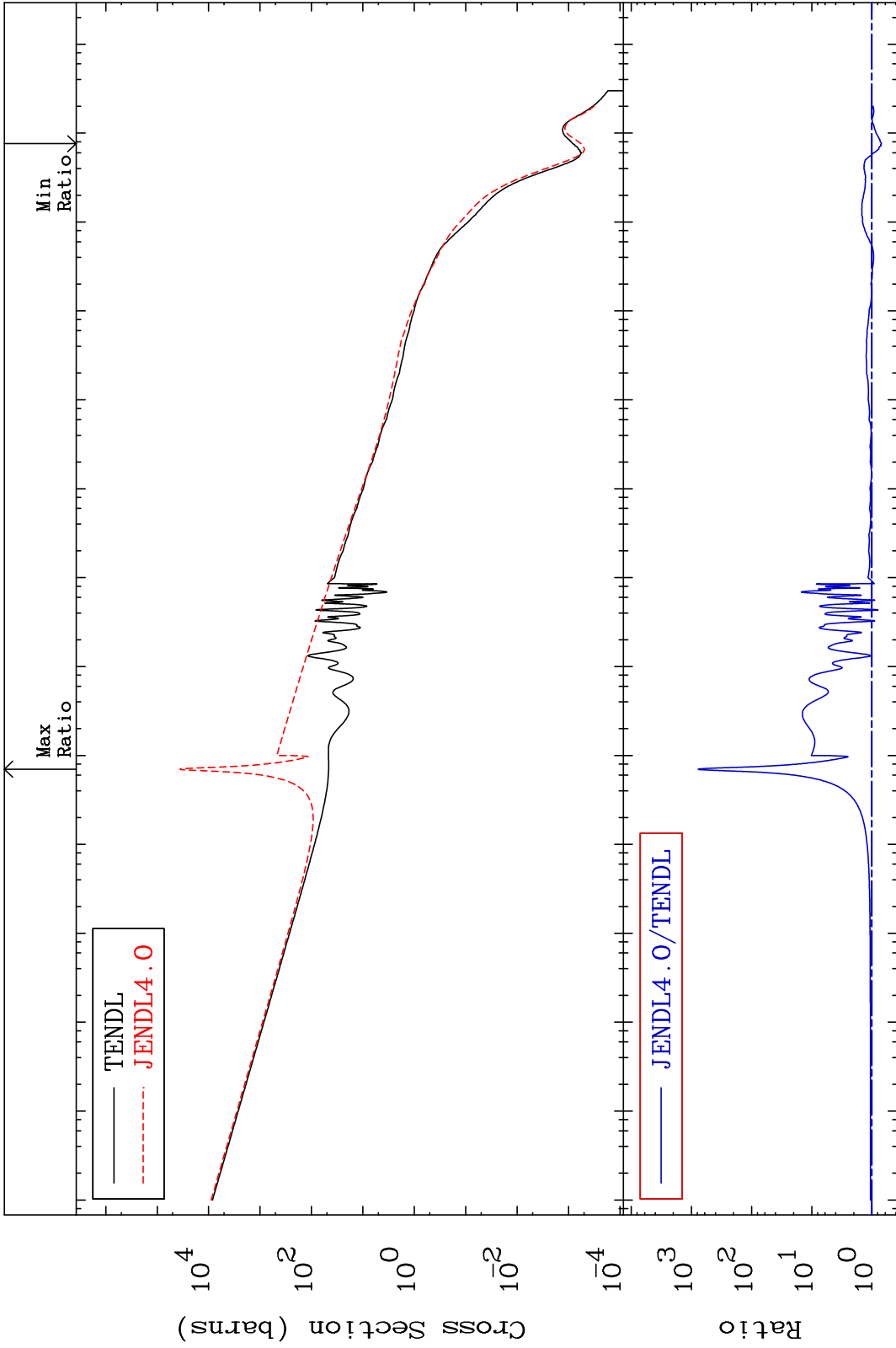
17

MAT 9913

99-Es-253

-30.77 To 9999. %

(n, γ)
Cross Section



99-Es-253

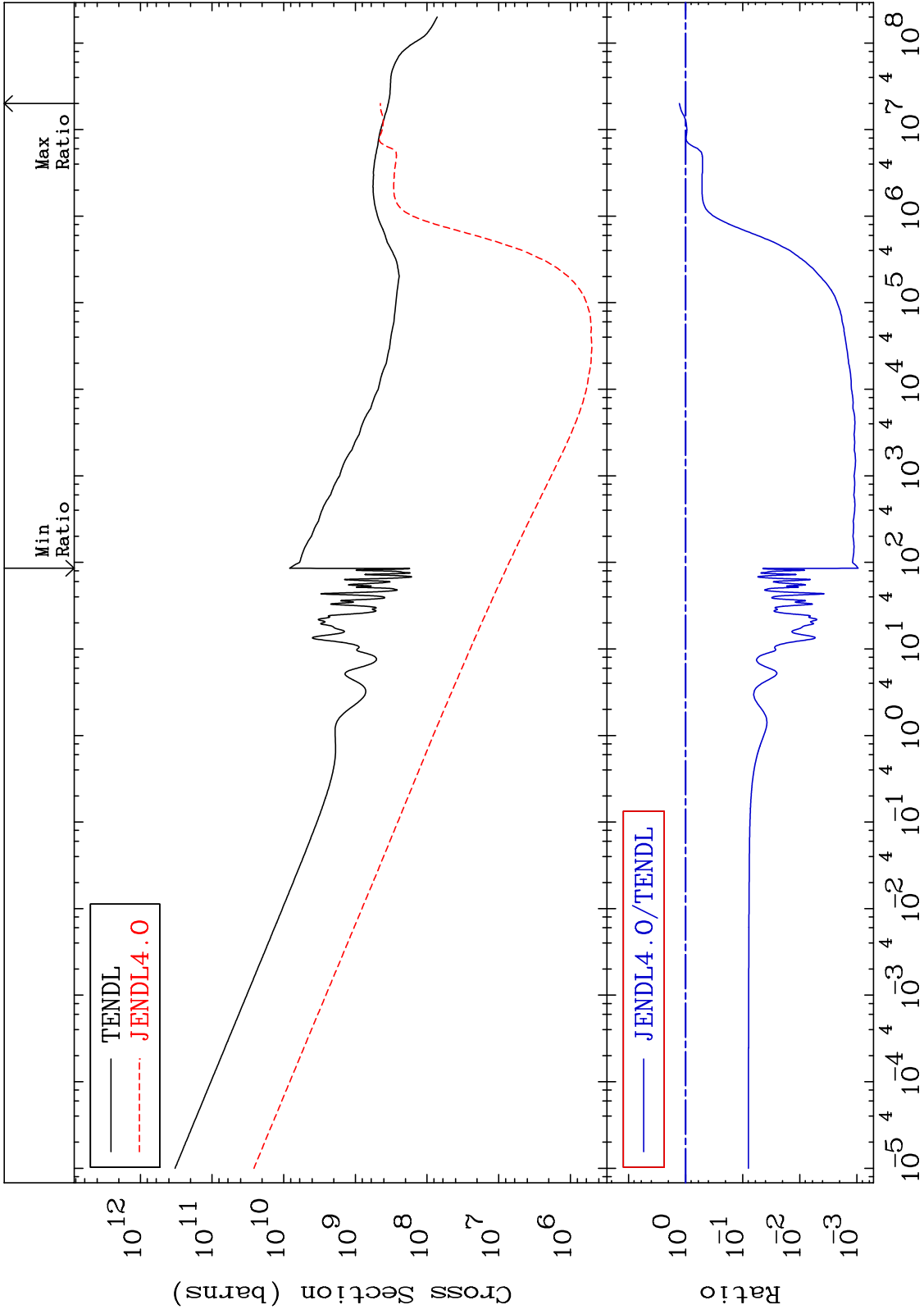
Incident Energy (eV)

18

MAT 9913

Kerma total (eV-barns)
Cross Section

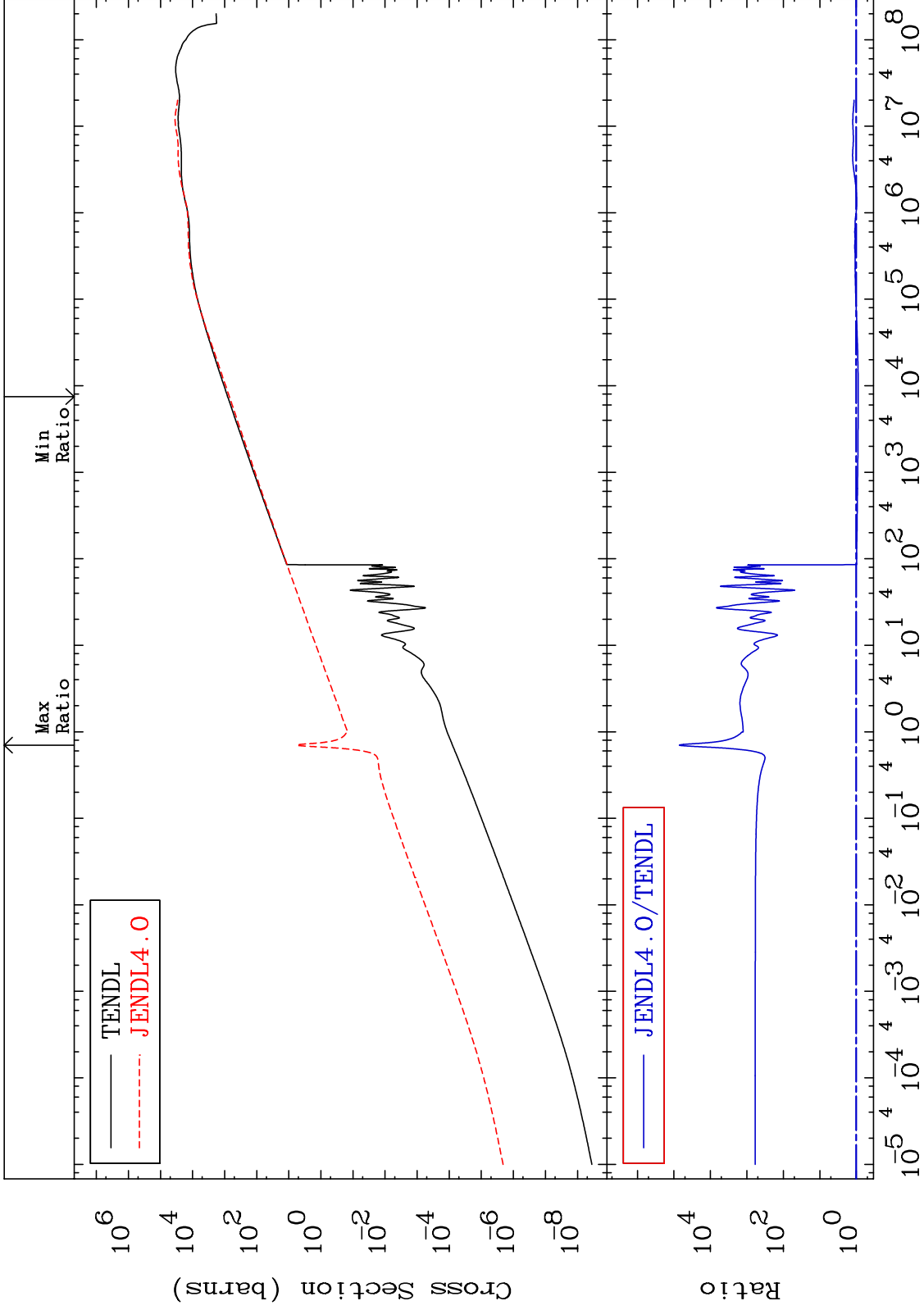
99-Es-253
-99.91 To 28.84 %



MAT 9913

Kerma elastic
Cross Section

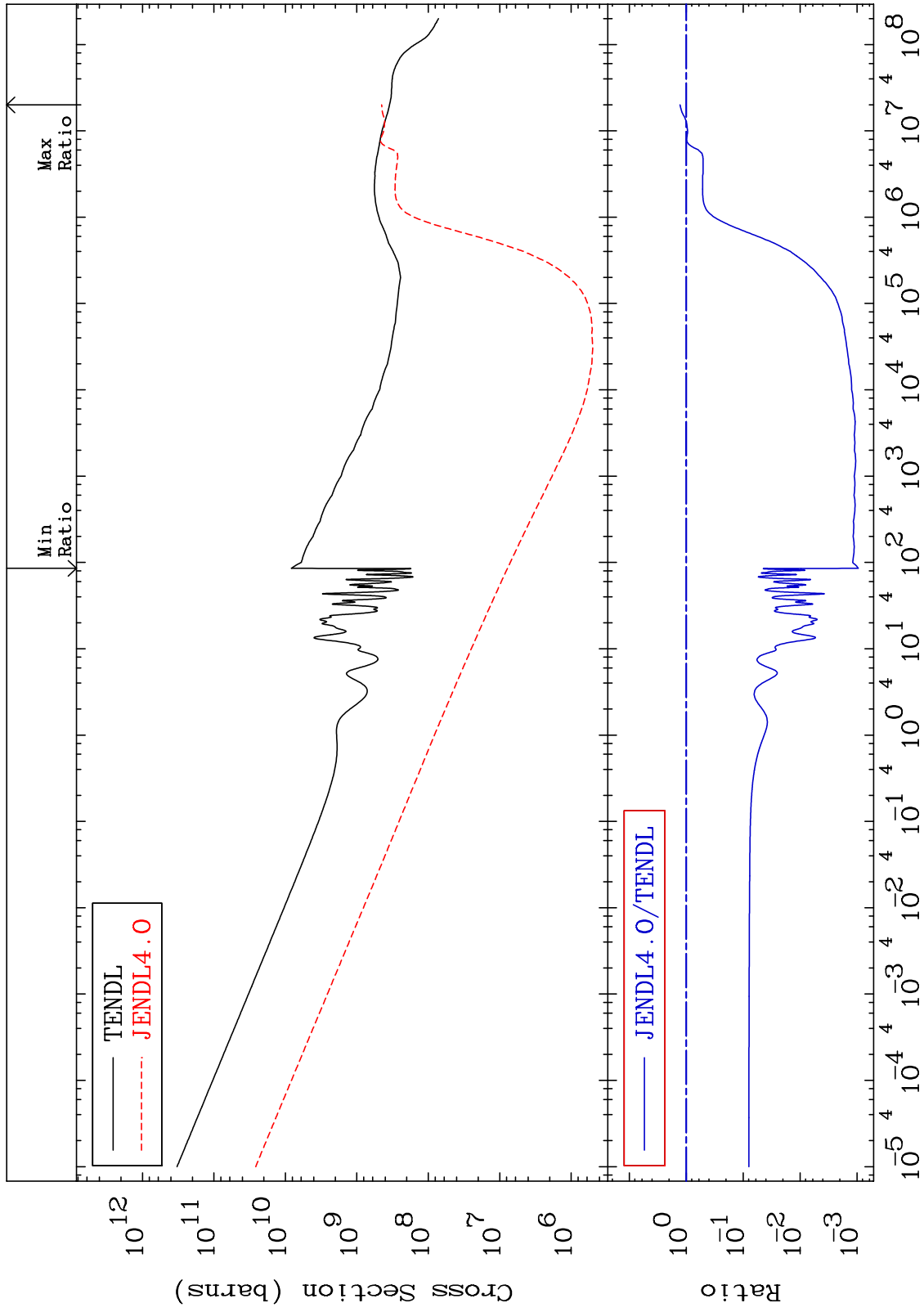
99-Es-253
-11.54 To 9999. %



MAT 9913

Kerma non-elastic (all but mt2)
Cross Section

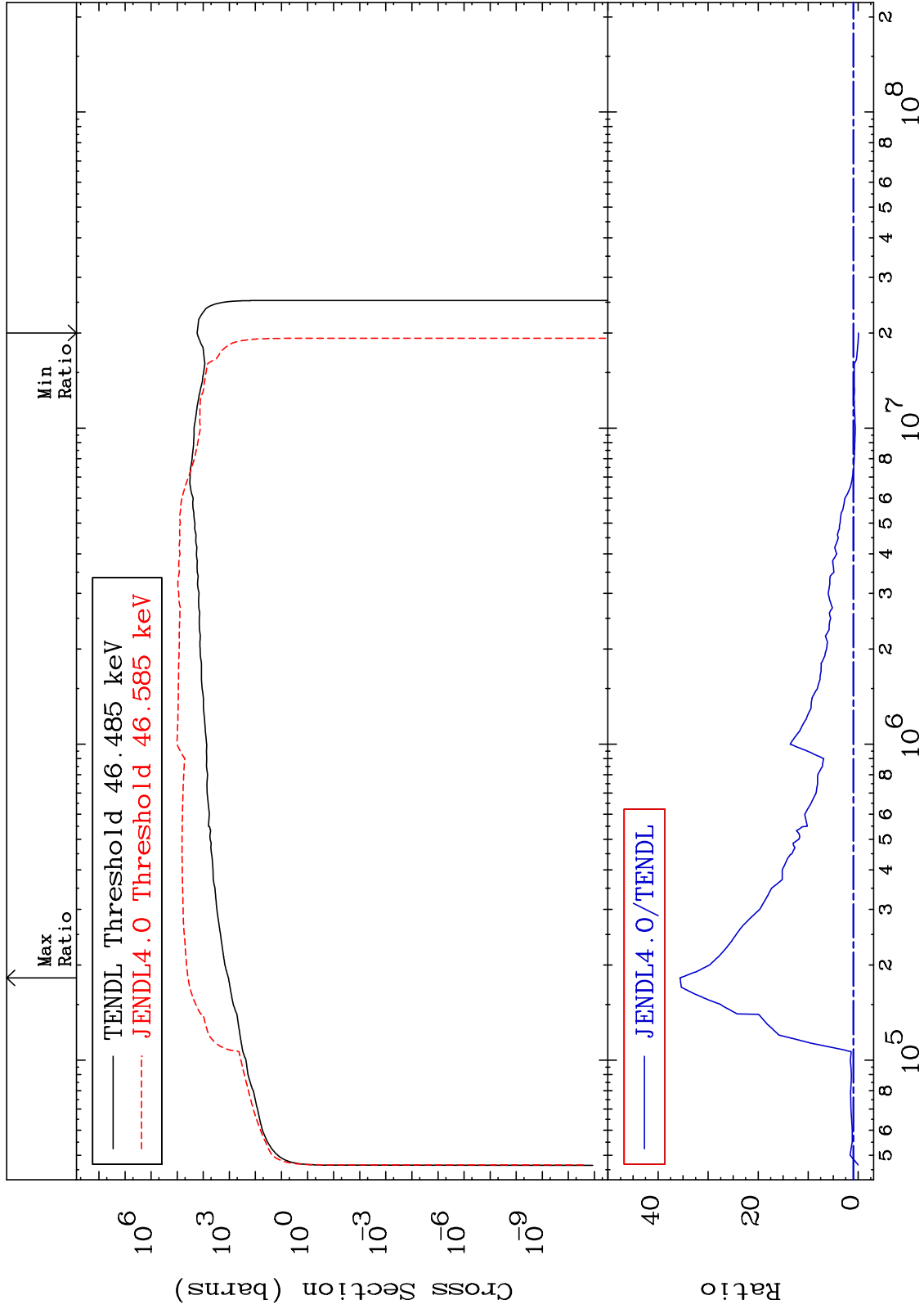
99-Es-253
-99.91 To 28.84 %



MAT 9913

Kerma inelastic (mt51-91)
Cross Section

99-Es-253
-103.3 To 3462. %



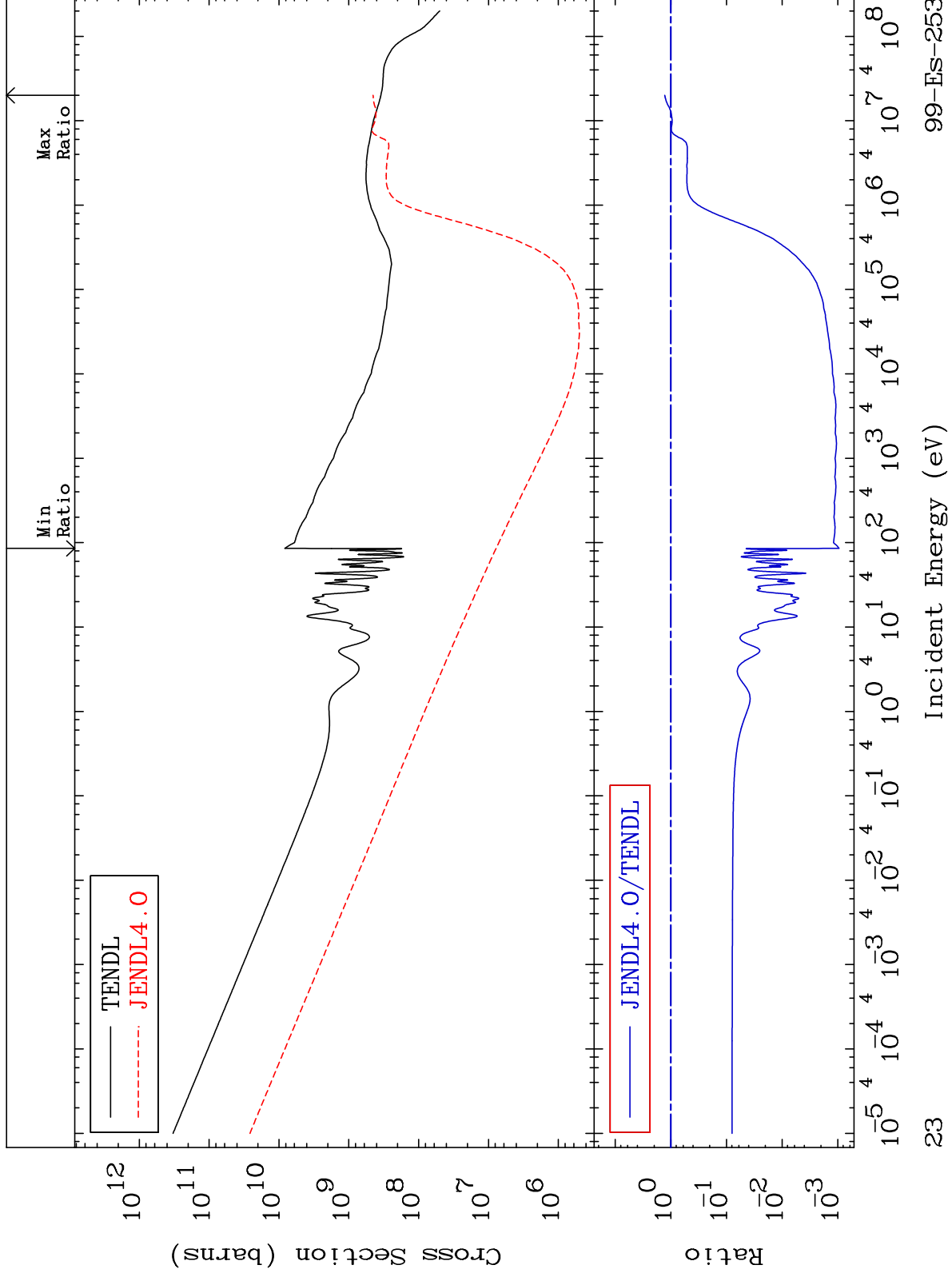
22

99-Es-253

MAT 9913

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

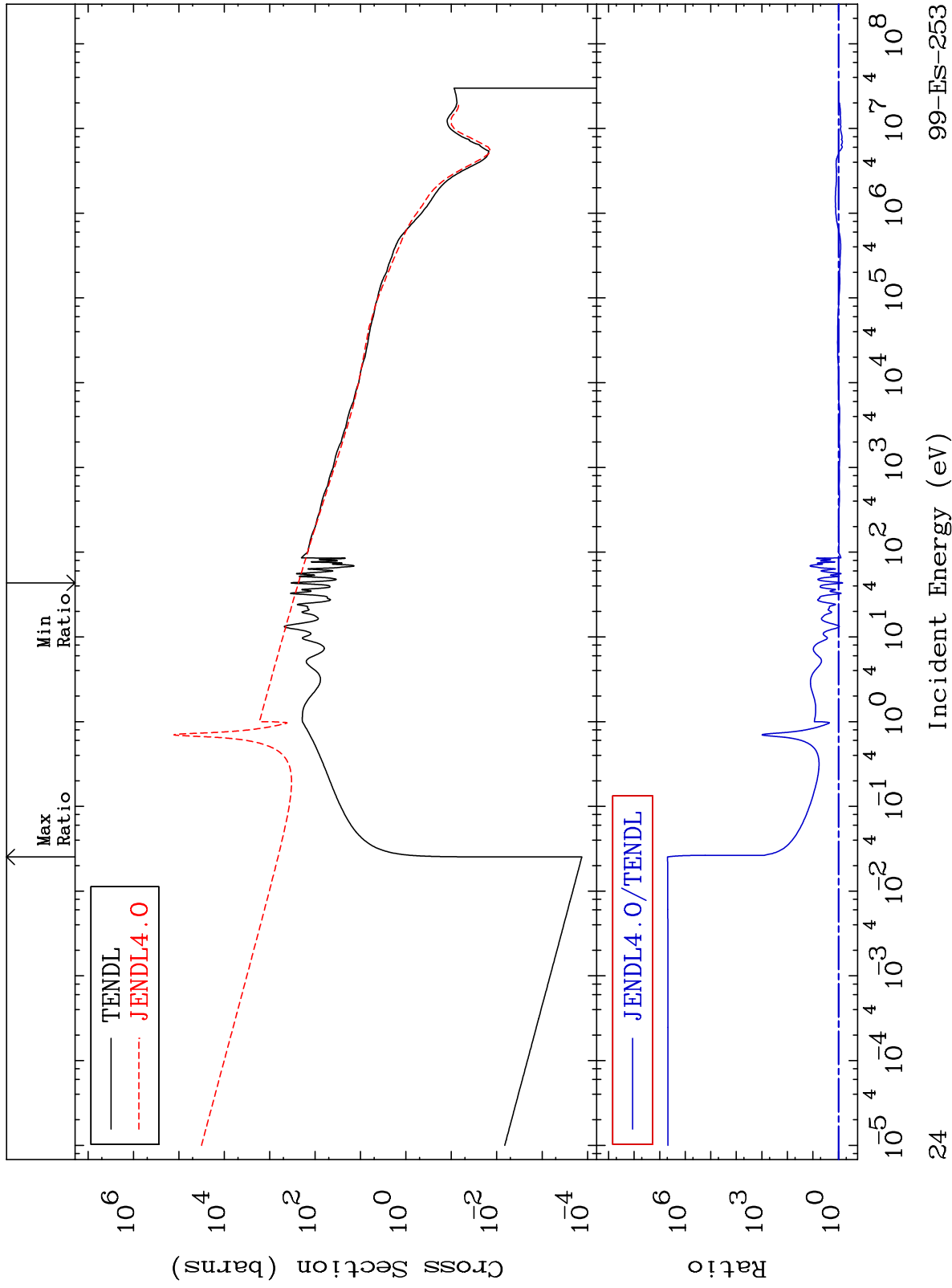
99-Es-253
-99.91 To 29.03 %



MAT 9913

Kerma capture (mt102)
Cross Section

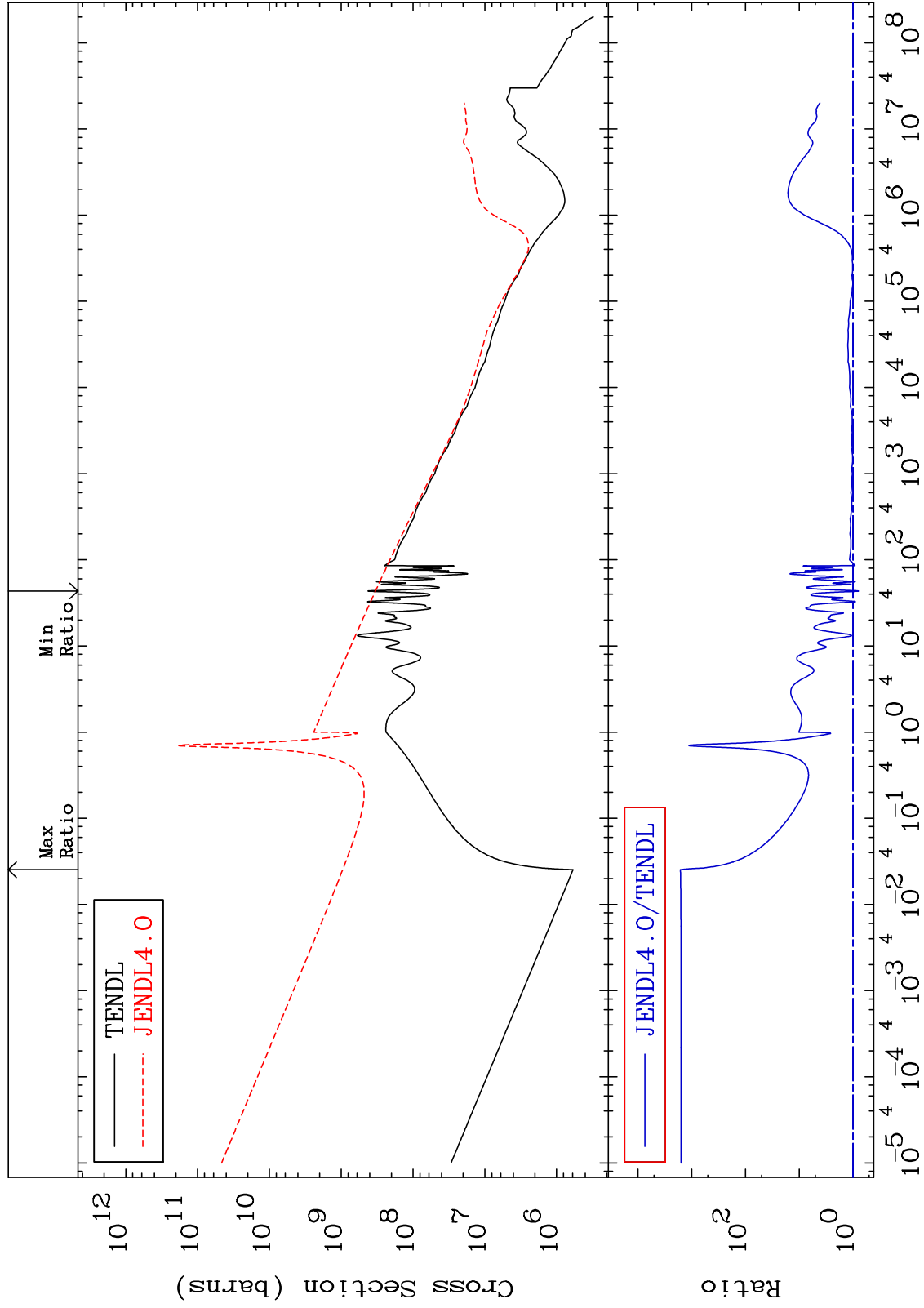
99-Es-253
-31.34 To 9999. %



MAT 9913

Total photon (eV-barns)
Cross Section

99-Es-253
-21.23 To 9999. %



25

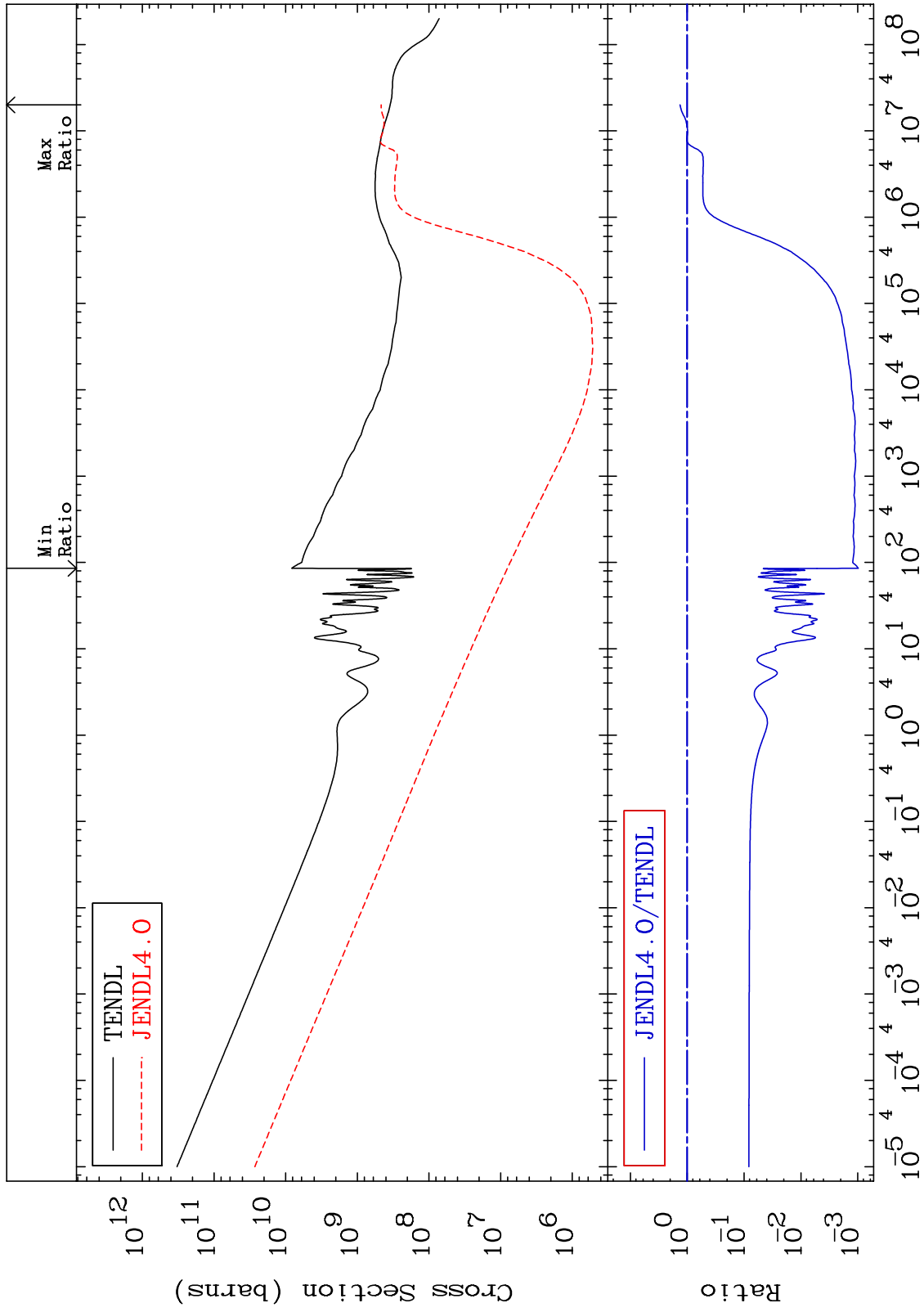
Incident Energy (eV)

99-Es-253

MAT 9913

Total kinematic kerma (high limit)
Cross Section

99-Es-253
-99.90 To 34.00 %



26

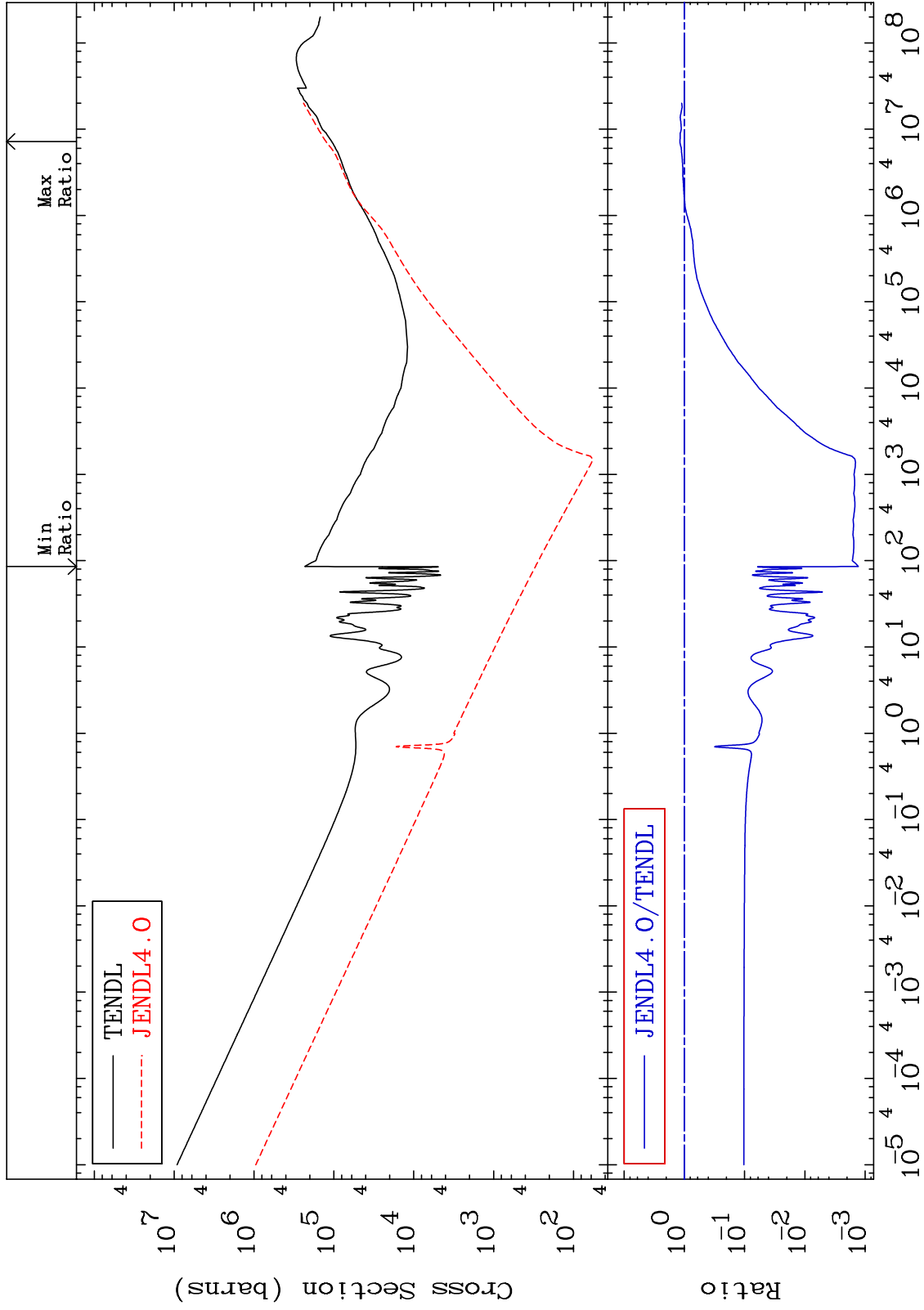
Incident Energy (eV)

99-Es-253

MAT 9913

Dpa total (eV-barns)
Cross Section

99-Es-253
-99.87 To 18.03 %



27

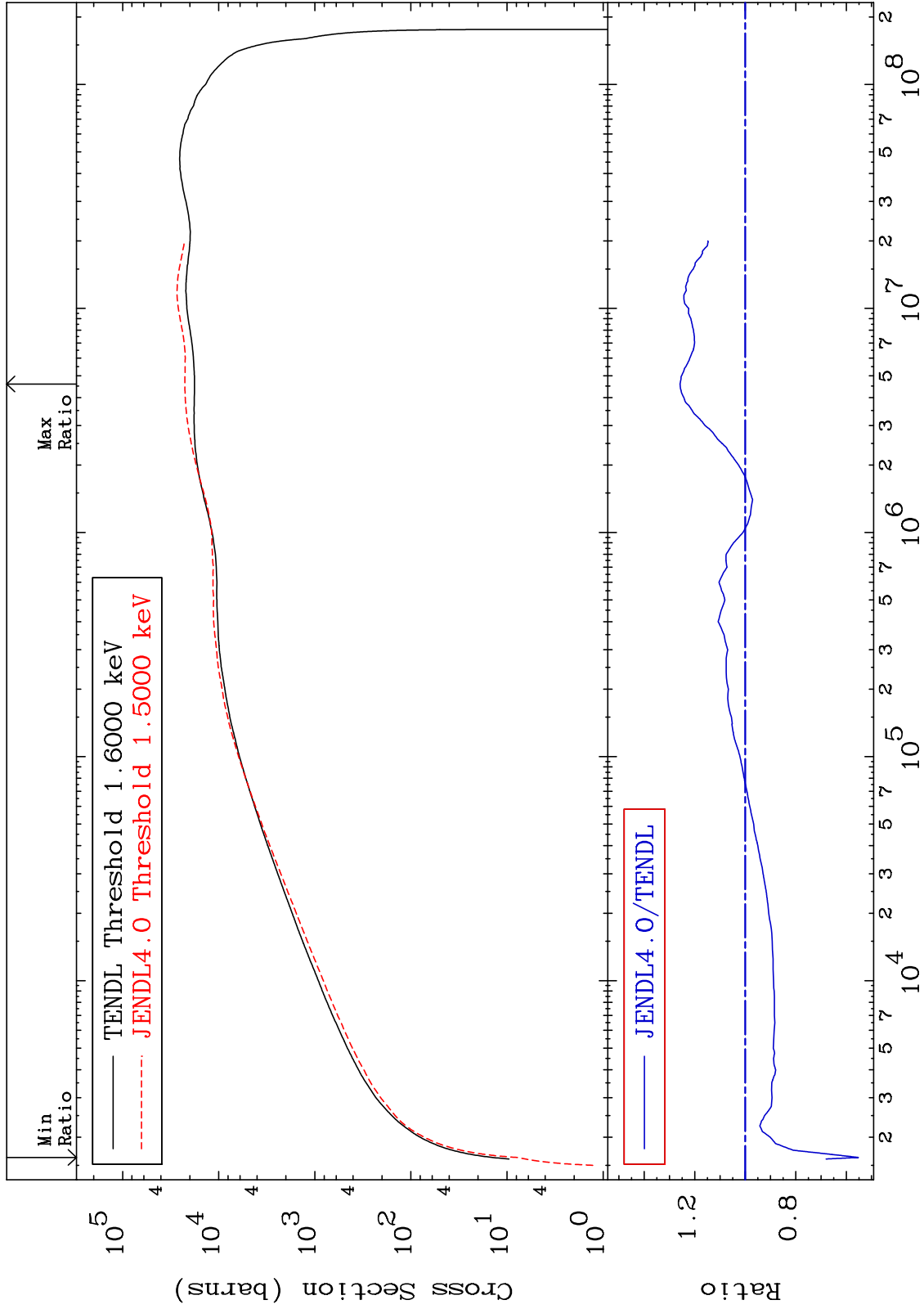
Incident Energy (eV)

99-Es-253

MAT 9913

Dpa elastic (mt2)
Cross Section

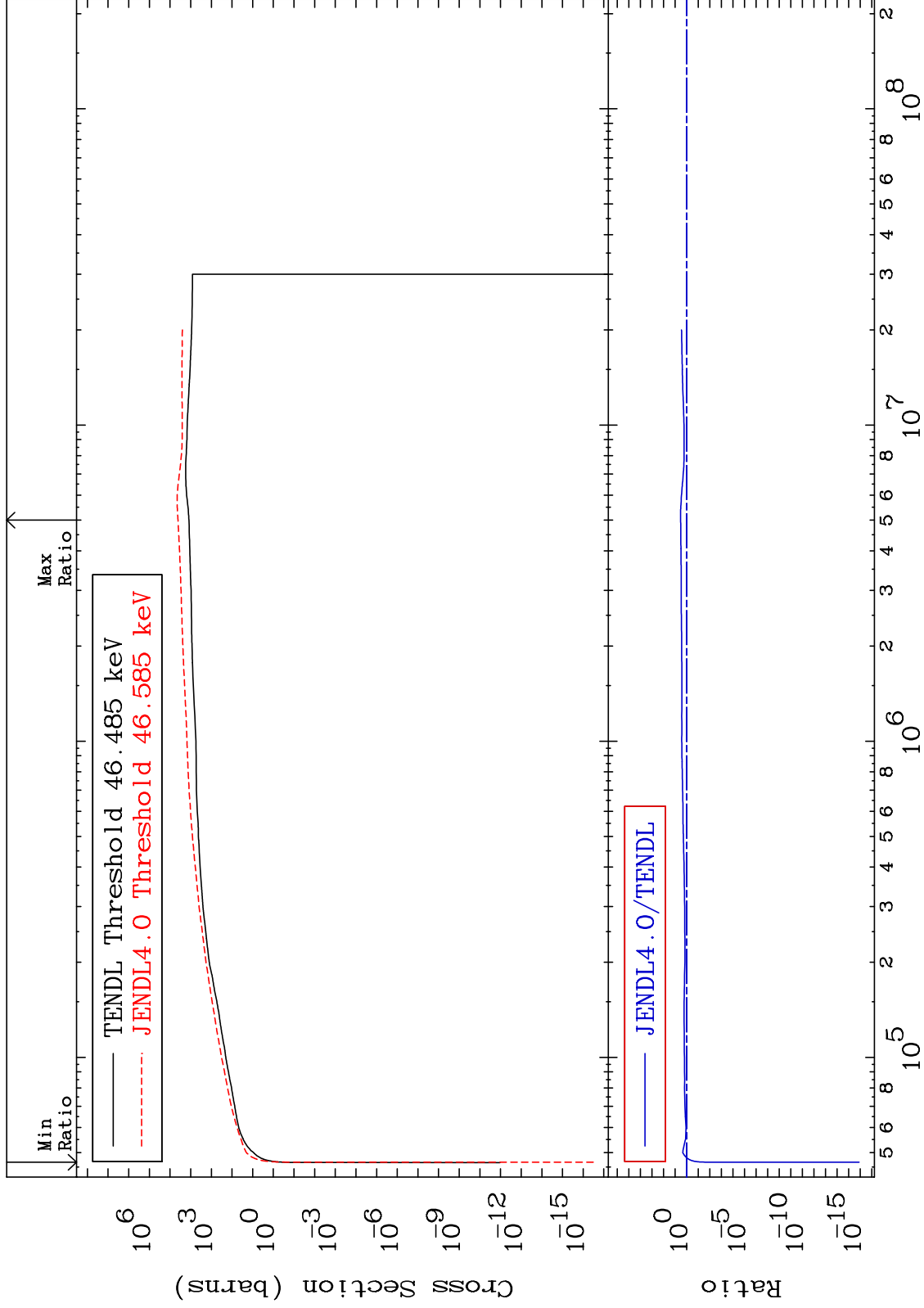
99-Es-253
-44.80 To 25.83 %



MAT 9913

Dpa inelastic (mt51-91)
Cross Section

99-Es-253
-100.0 To 239.0 %



MAT 9913

Dpa disappearance (mt102 -120)
Cross Section

99-Es-253
-100.0 To 9999. %

