

Program Complot
(Version 2021-1)

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

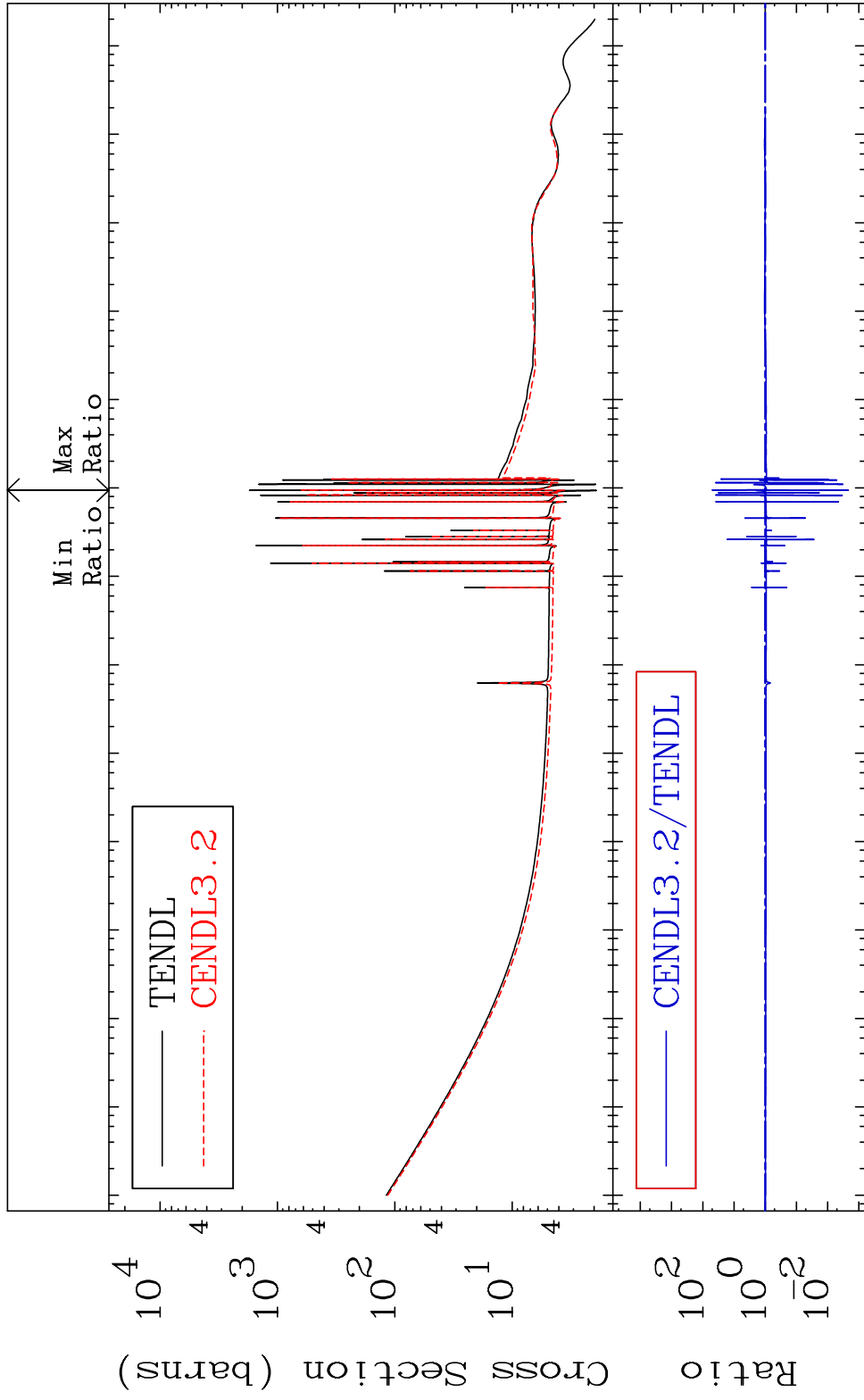
Press Mouse Button to Start

MAT 5046

Total

50-Sn-119

Cross Section -99.78 To 4824. %



1

Incident Energy (eV)

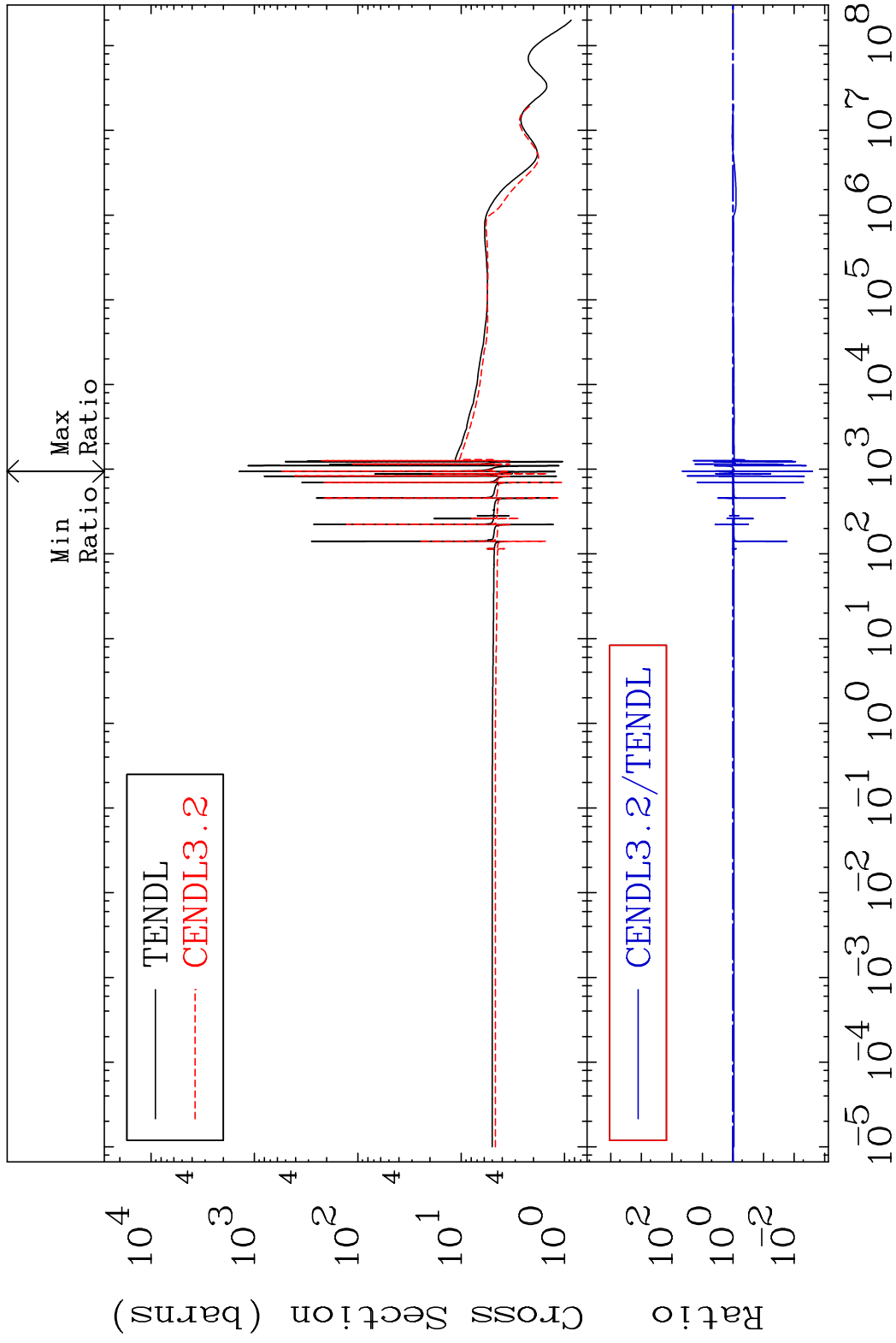
50-Sn-119

MAT 5046

Elastic

50-Sn-119

Cross Section -99.75 To 4432. %

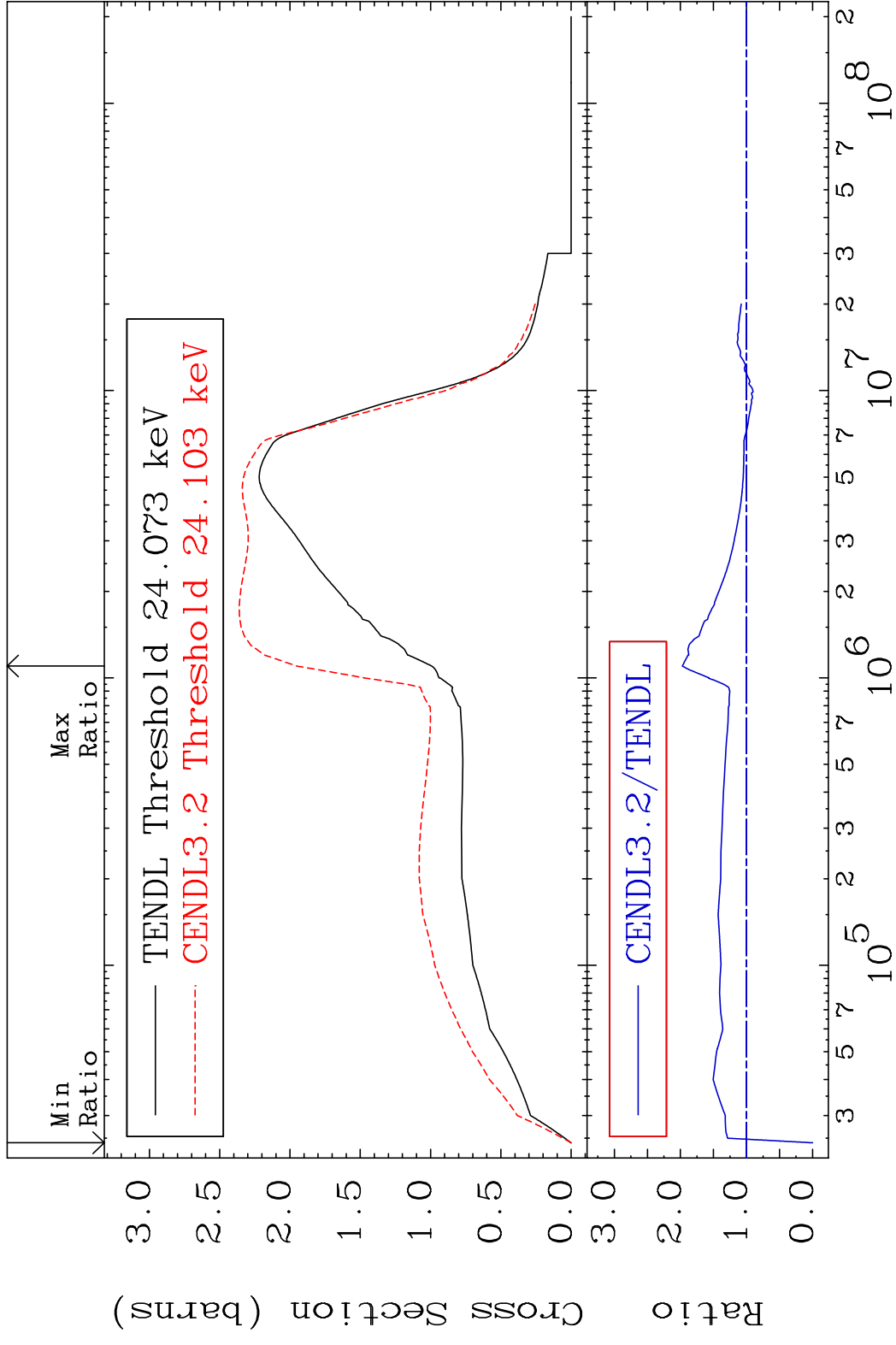


2

Incident Energy (eV)

50-Sn-119

MAT 5046 Inelastic Cross Section -100.0 To 97.08 % 50-Sn-119

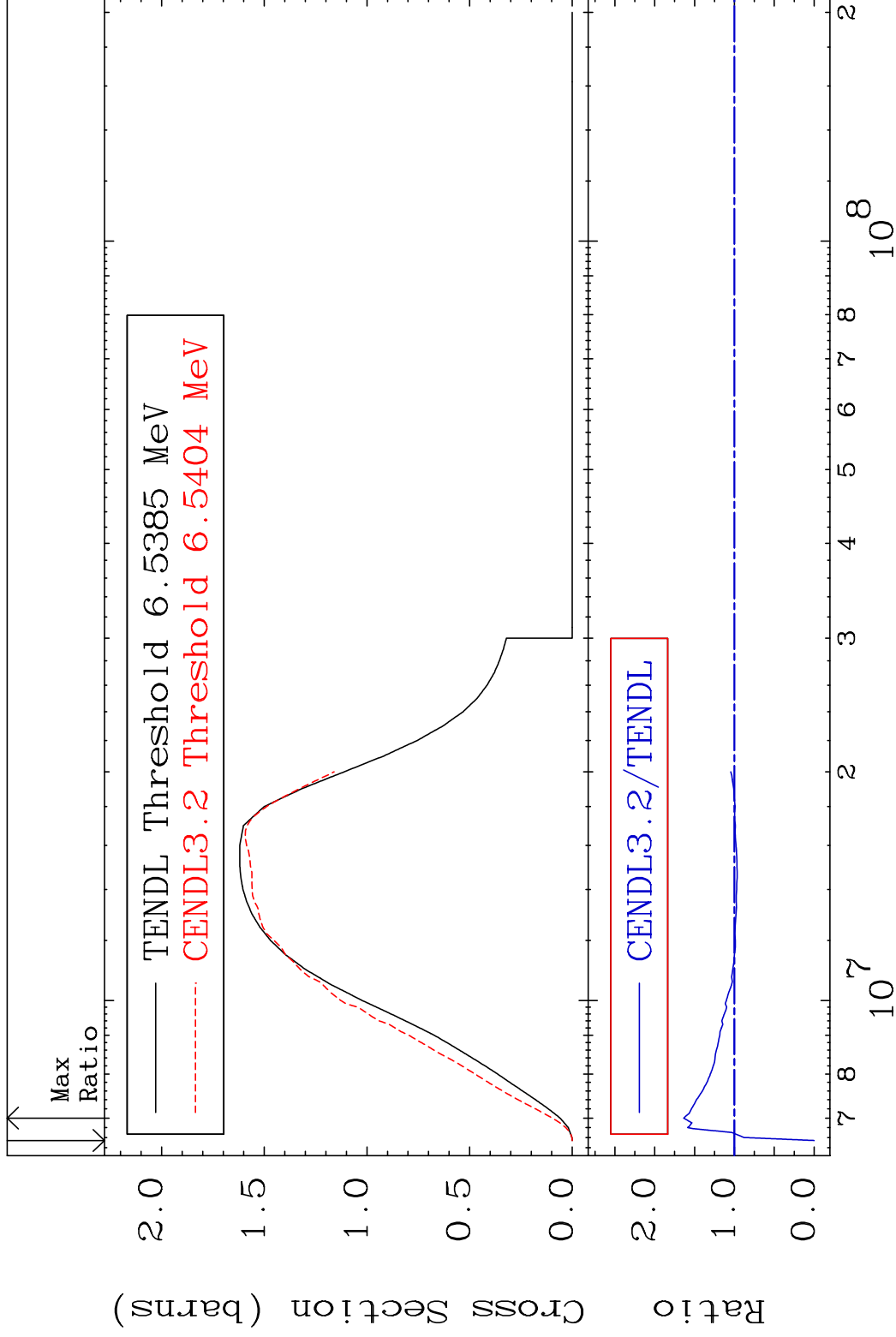


MAT 5046

(n,2n)

50-Sn-119

Cross Section -100.0 To 63.68 %



4

Incident Energy (eV)

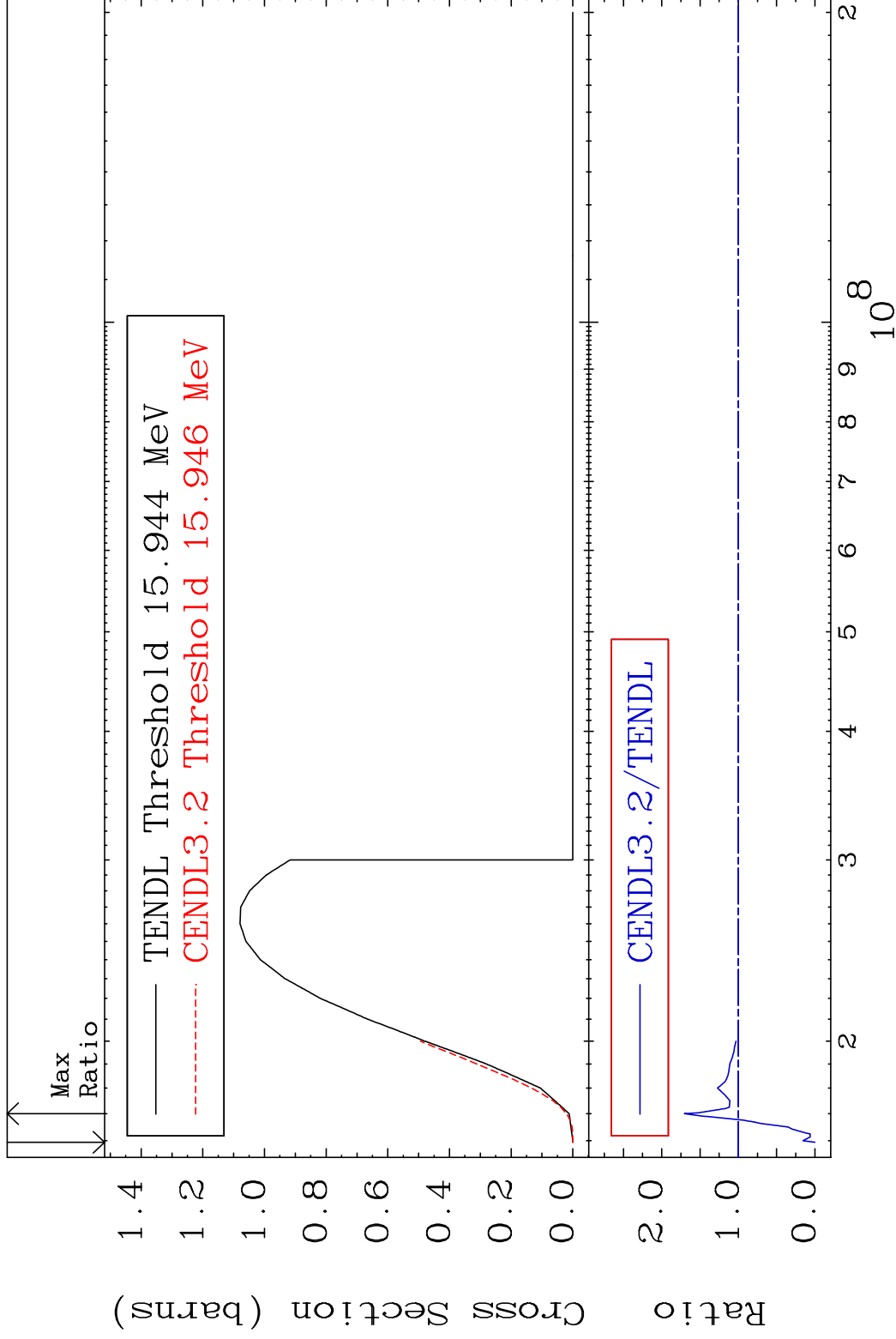
50-Sn-119

MAT 5046

(n,3n)

50-Sn-119

Cross Section -100.0 To 70.50 %



5

Incident Energy (eV)

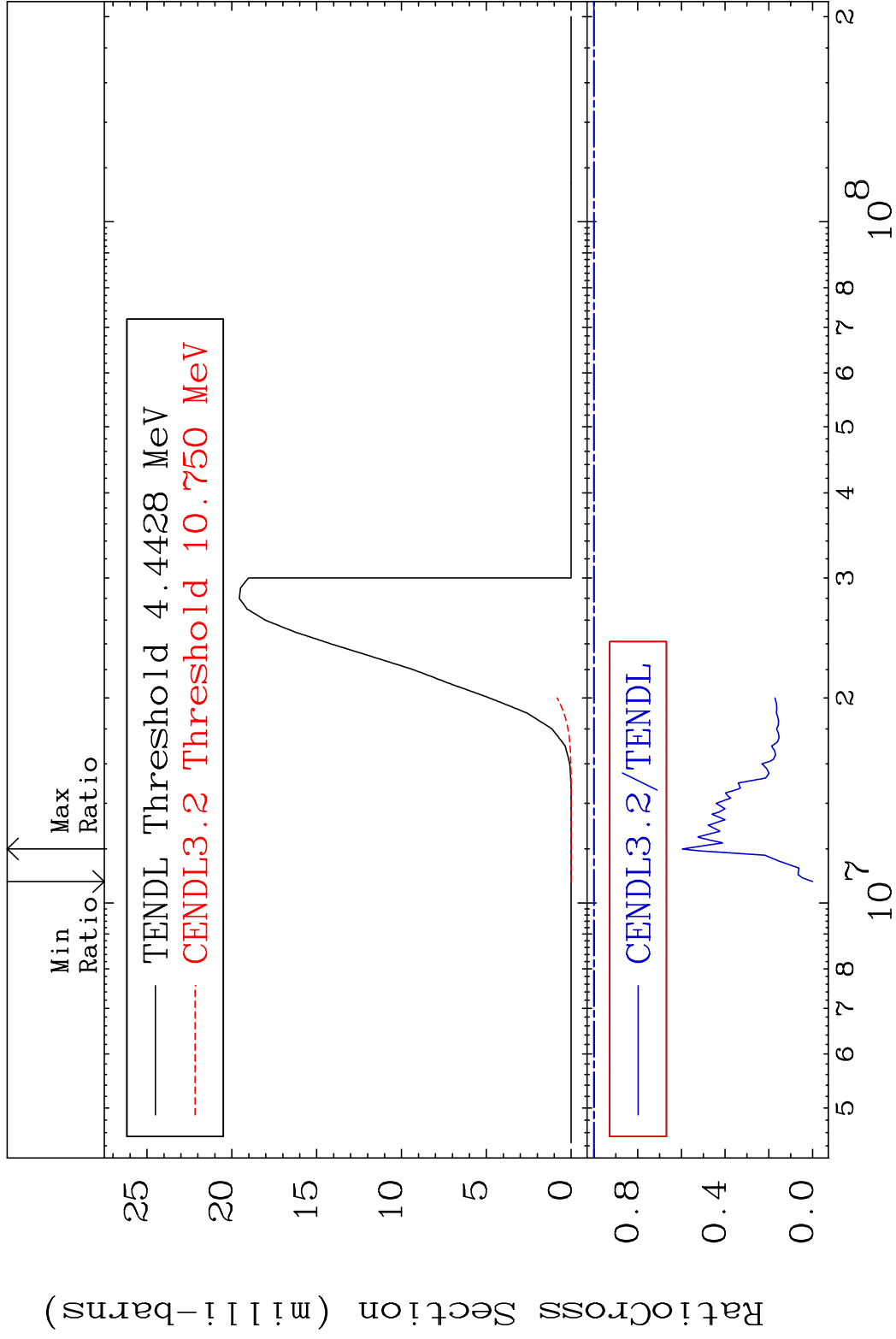
50-Sn-119

MAT 5046

(n, n') α

50-Sn-119

Cross Section -100.0 To -40.43%

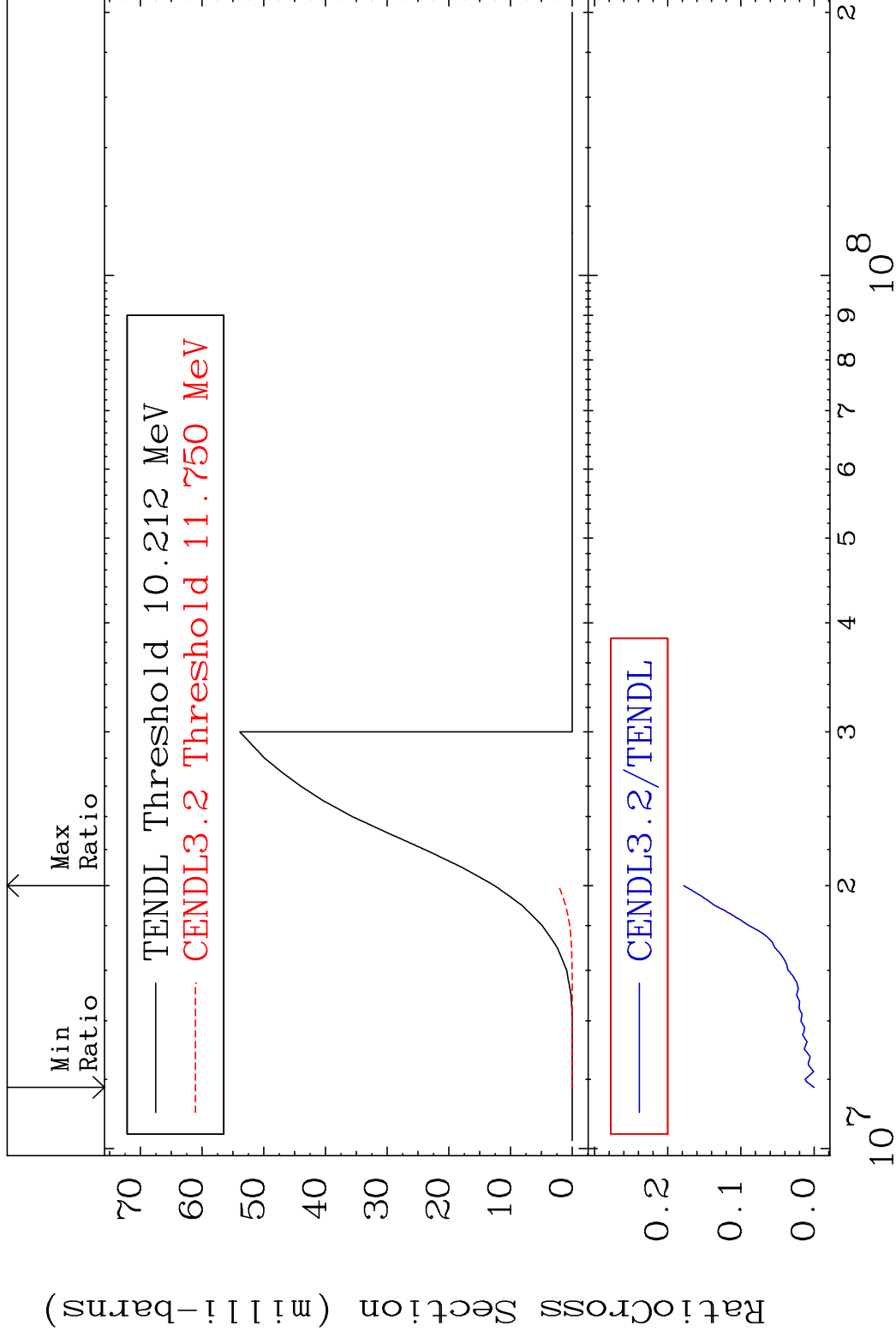


MAT 5046

(n, n') p

50-Sn-119

Cross Section -100.0 To -82.18%

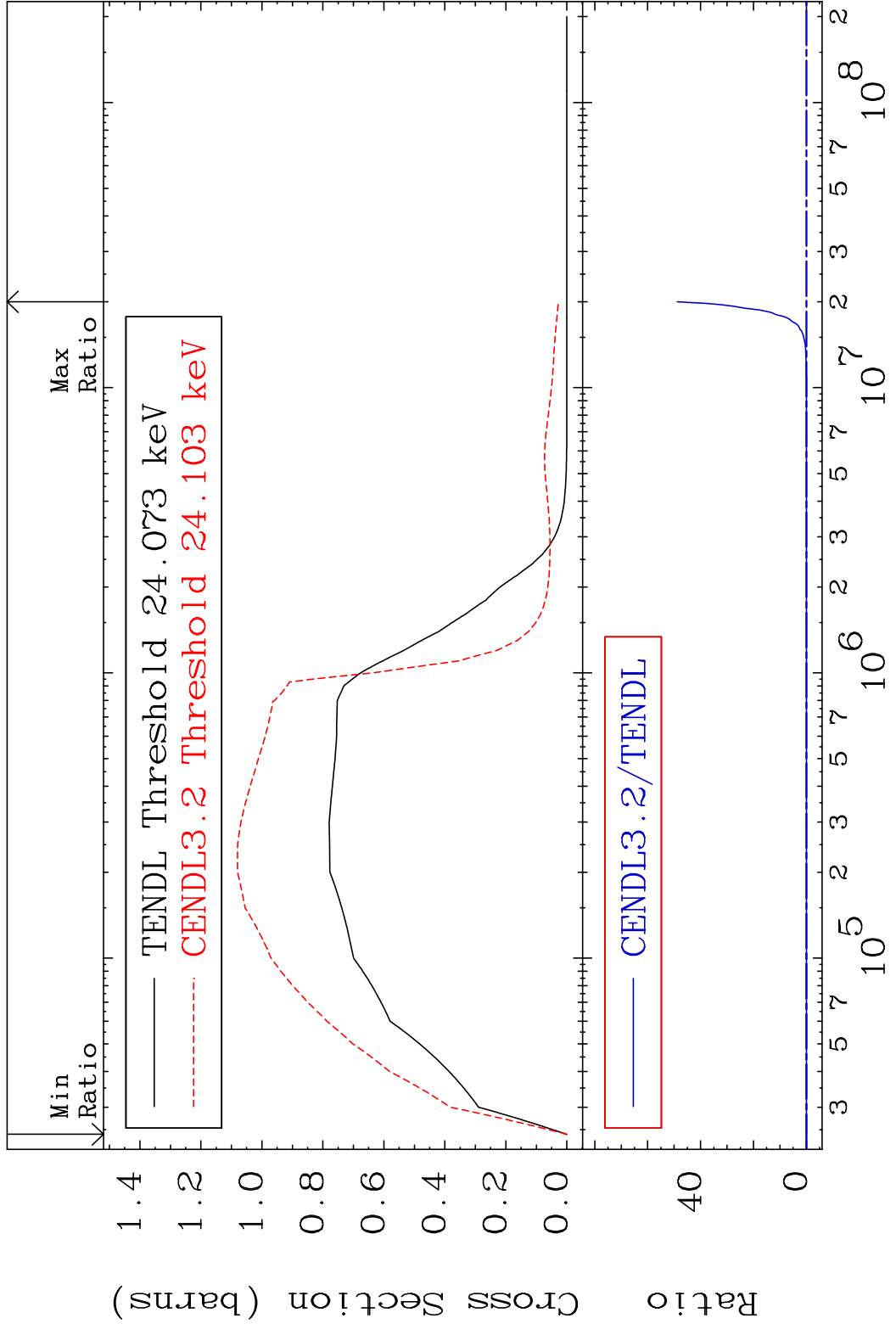


7

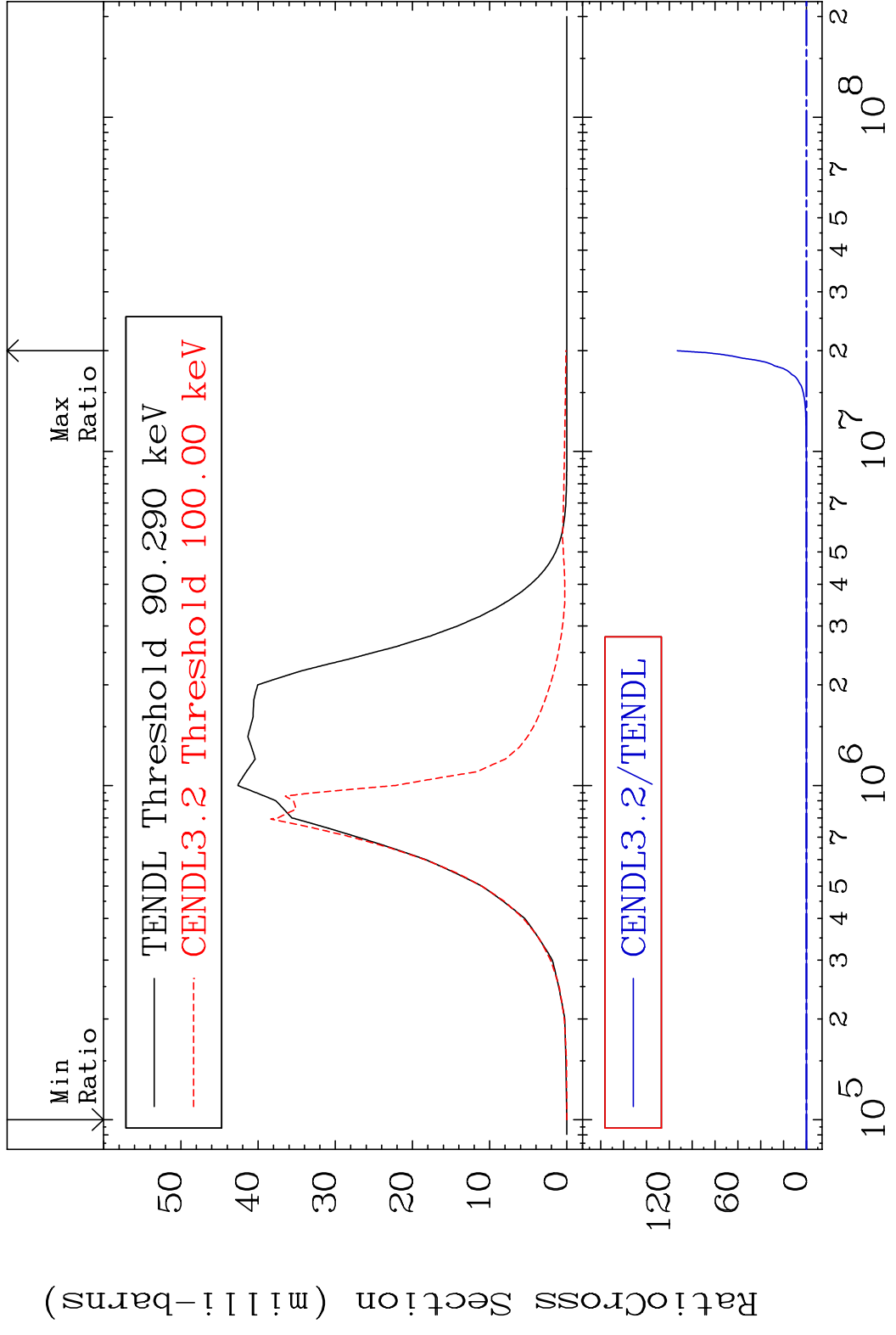
Incident Energy (eV)

50-Sn-119

MAT 5046 MT= 51 (n,n') Level 50-Sn-119
 Cross Section -100.0 To 9999. %

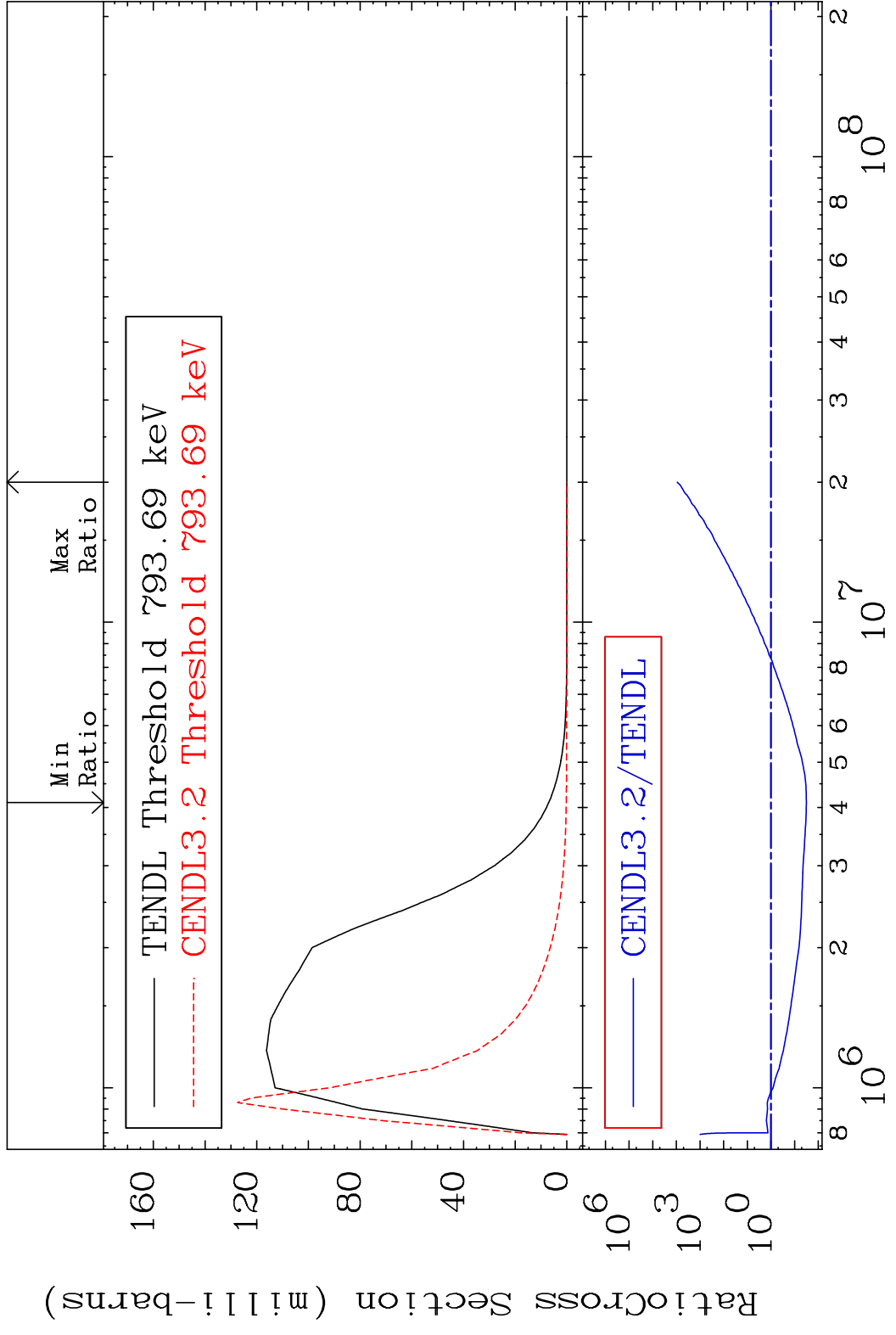


MAT 5046 MT= 52 (n, n') Level 50-Sn-119
 Cross Section -100.0 To 9999. %



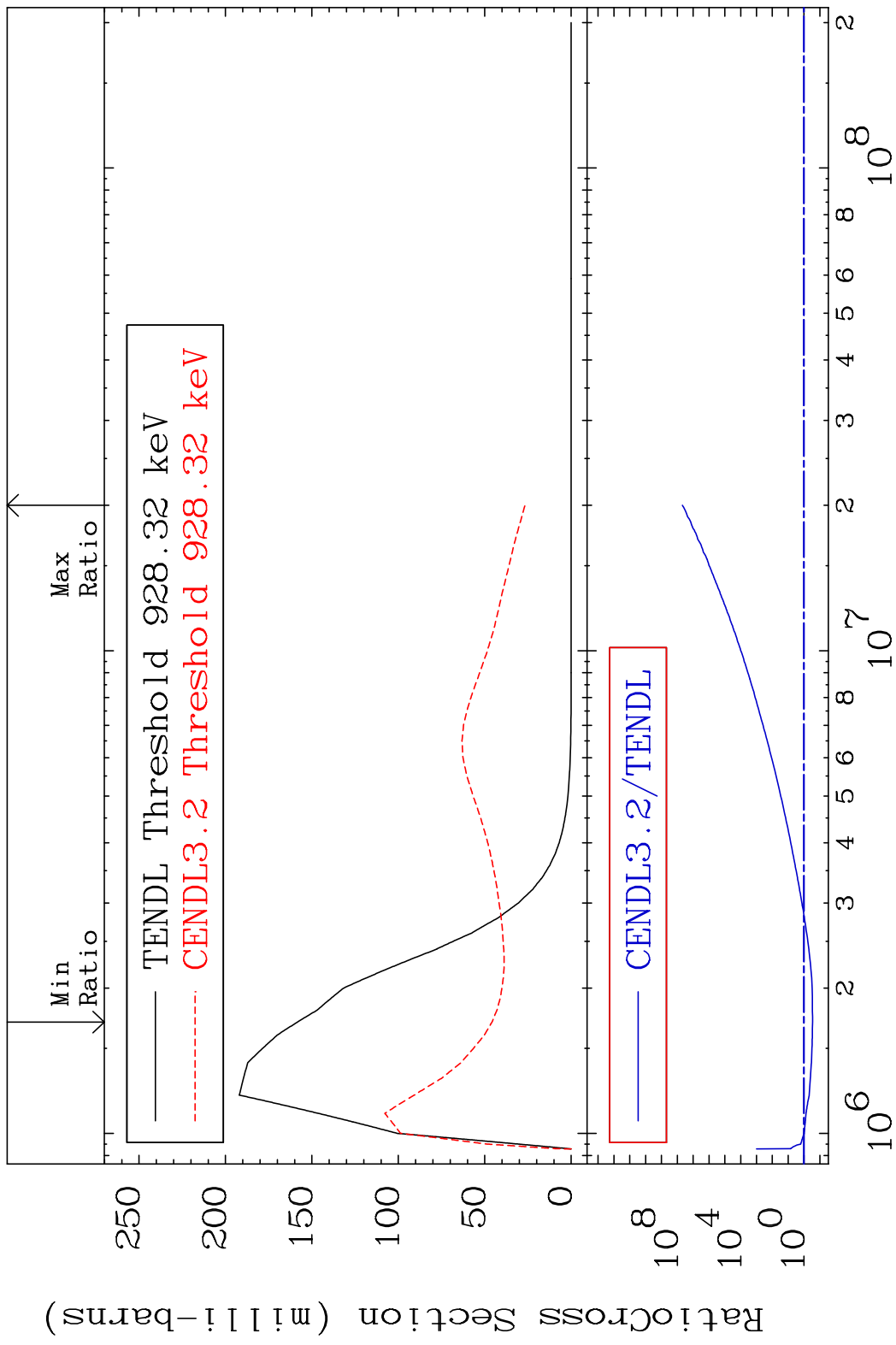
9 50-Sn-119

MAT 5046 MT= 53 (n, n') Level 50-Sn-119
 Cross Section -96.82 To 9999. %



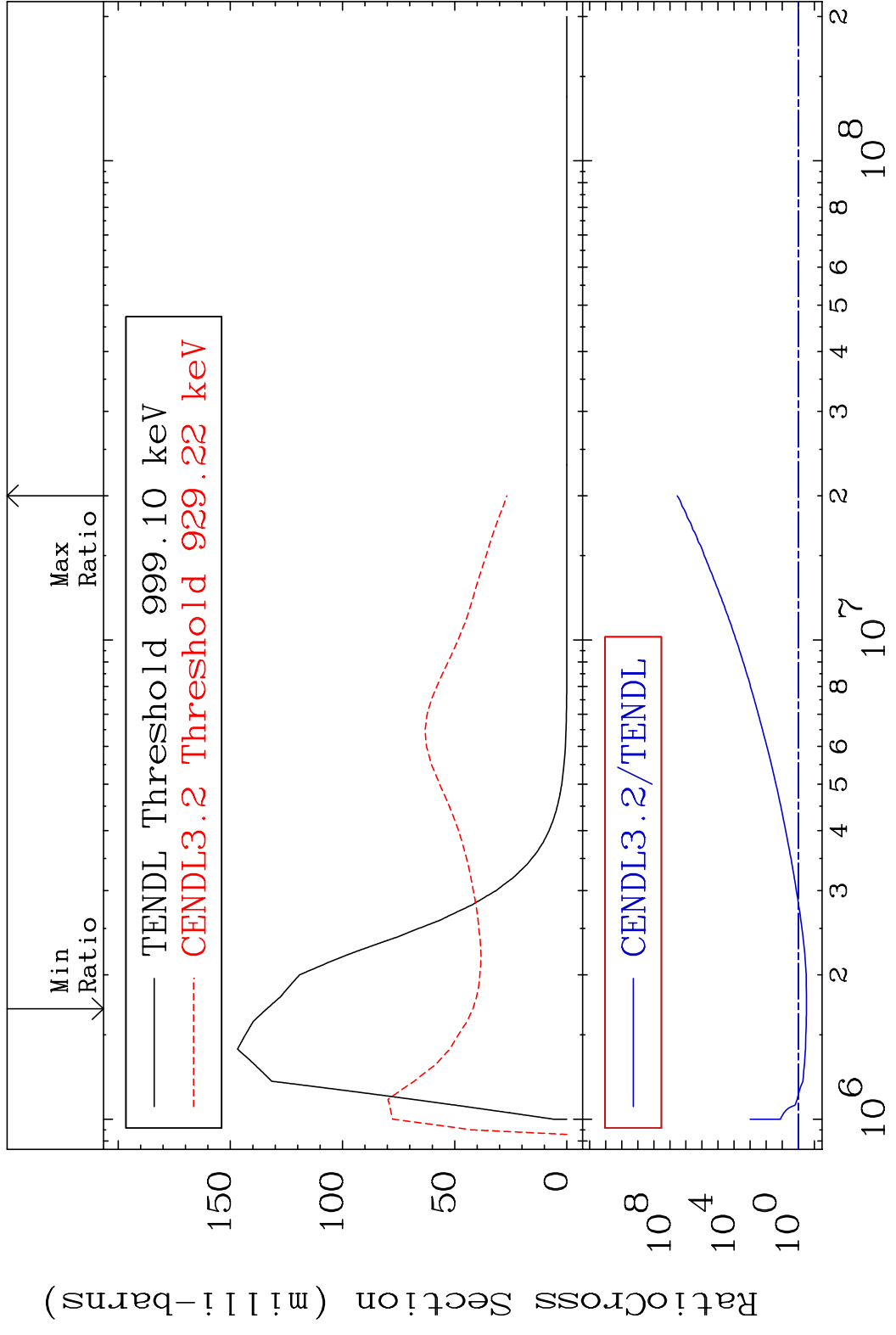
10 Incident Energy (eV) 50-Sn-119

MAT 5046 MT= 54 (n, n') Level 50-Sn-119
 Cross Section -71.07 To 9999. %



11 Incident Energy (eV) 50-Sn-119

MAT 5046 MT= 55 (n, n') Level 50-Sn-119
 Cross Section -68.69 To 9999. %



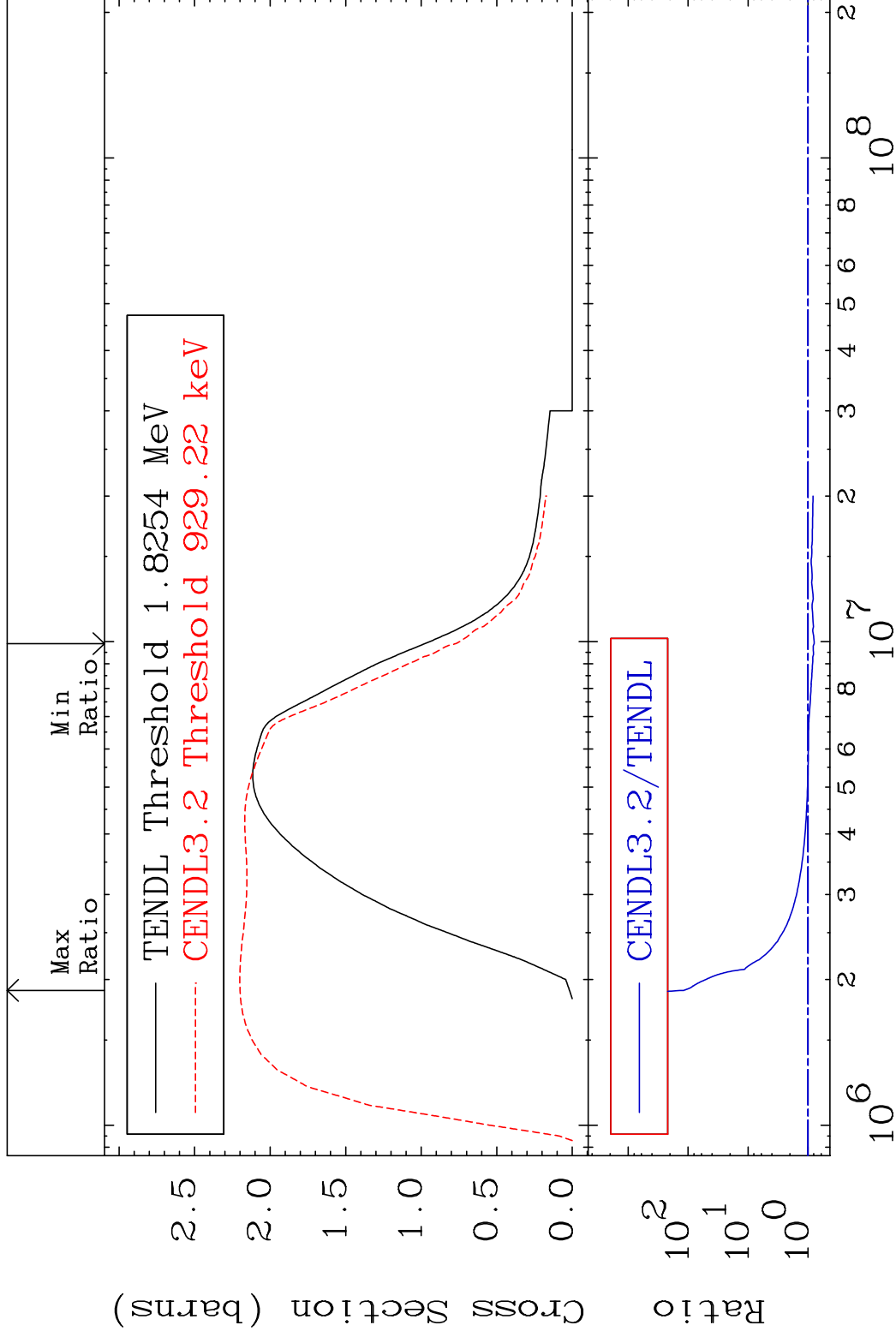
12 Incident Energy (eV) 50-Sn-119

MAT 5046

(n, n') Continuum

50-Sn-119

Cross Section -20.99 To 9999. %



13

Incident Energy (eV)

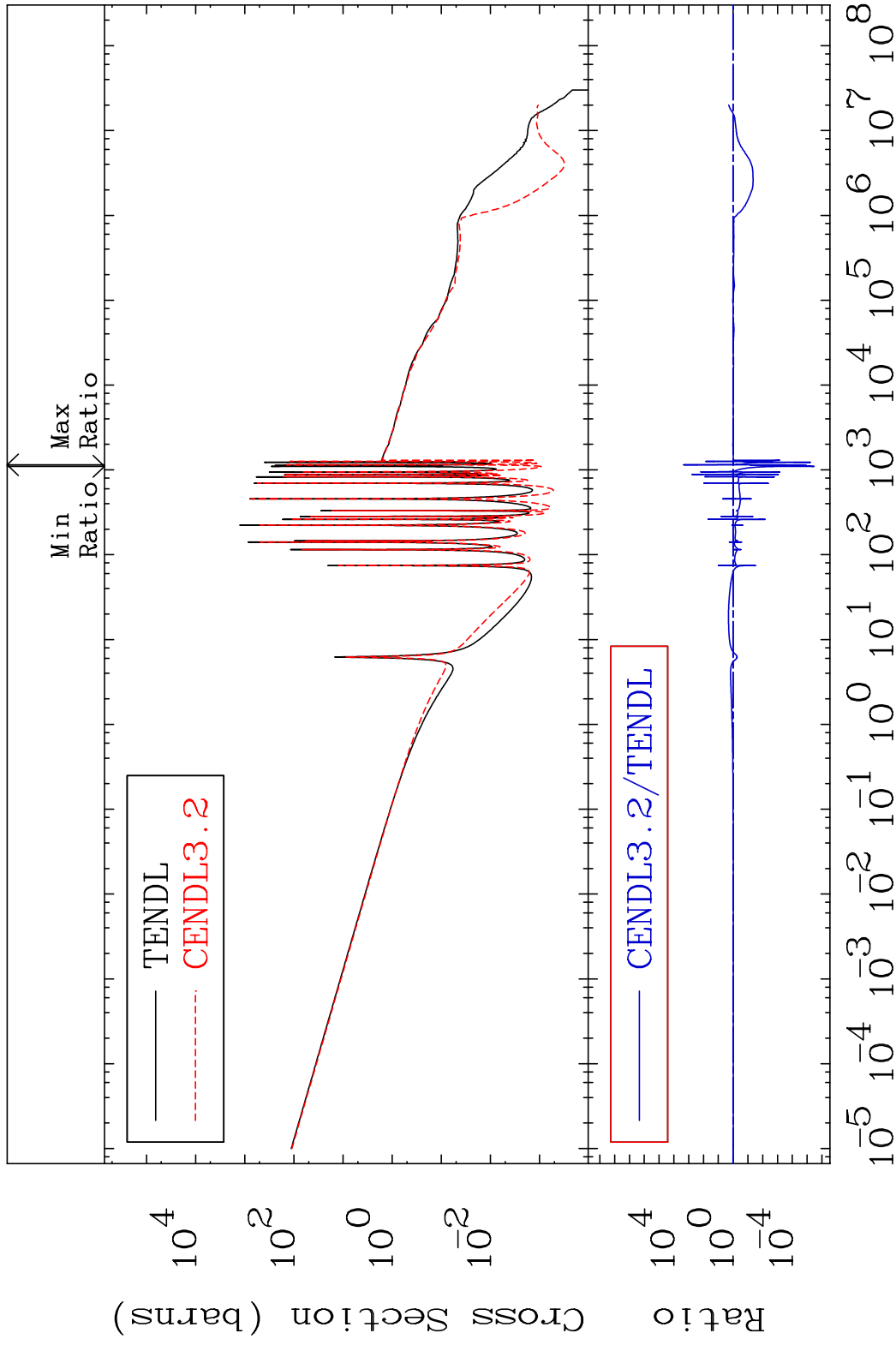
50-Sn-119

MAT 5046

(n, γ)

50-Sn-119

Cross Section -100.0 To 9999. %

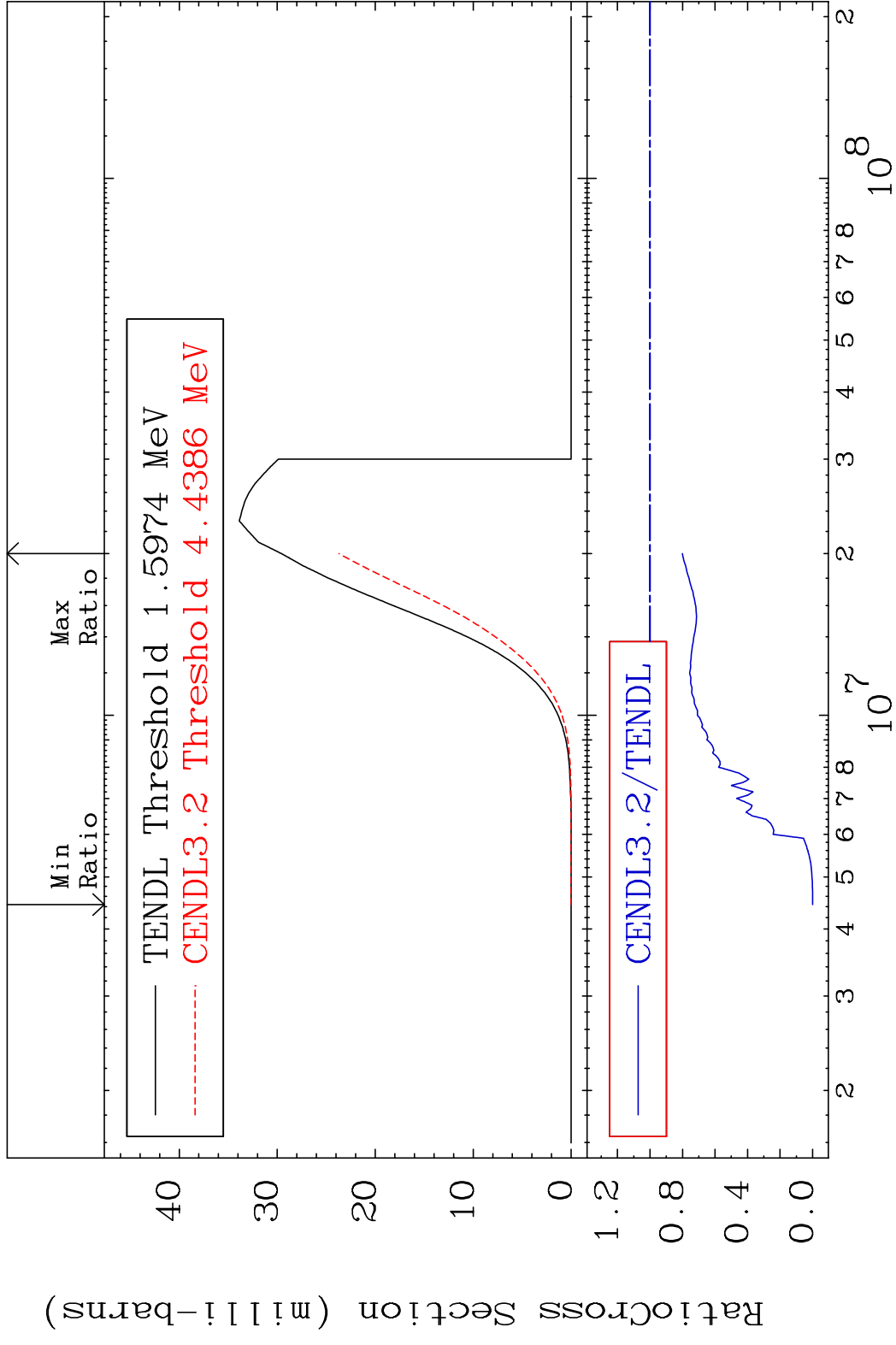


14

Incident Energy (eV)

50-Sn-119

MAT 5046 (n,p) 50-Sn-119
 Cross Section -100.0 To -19.90%

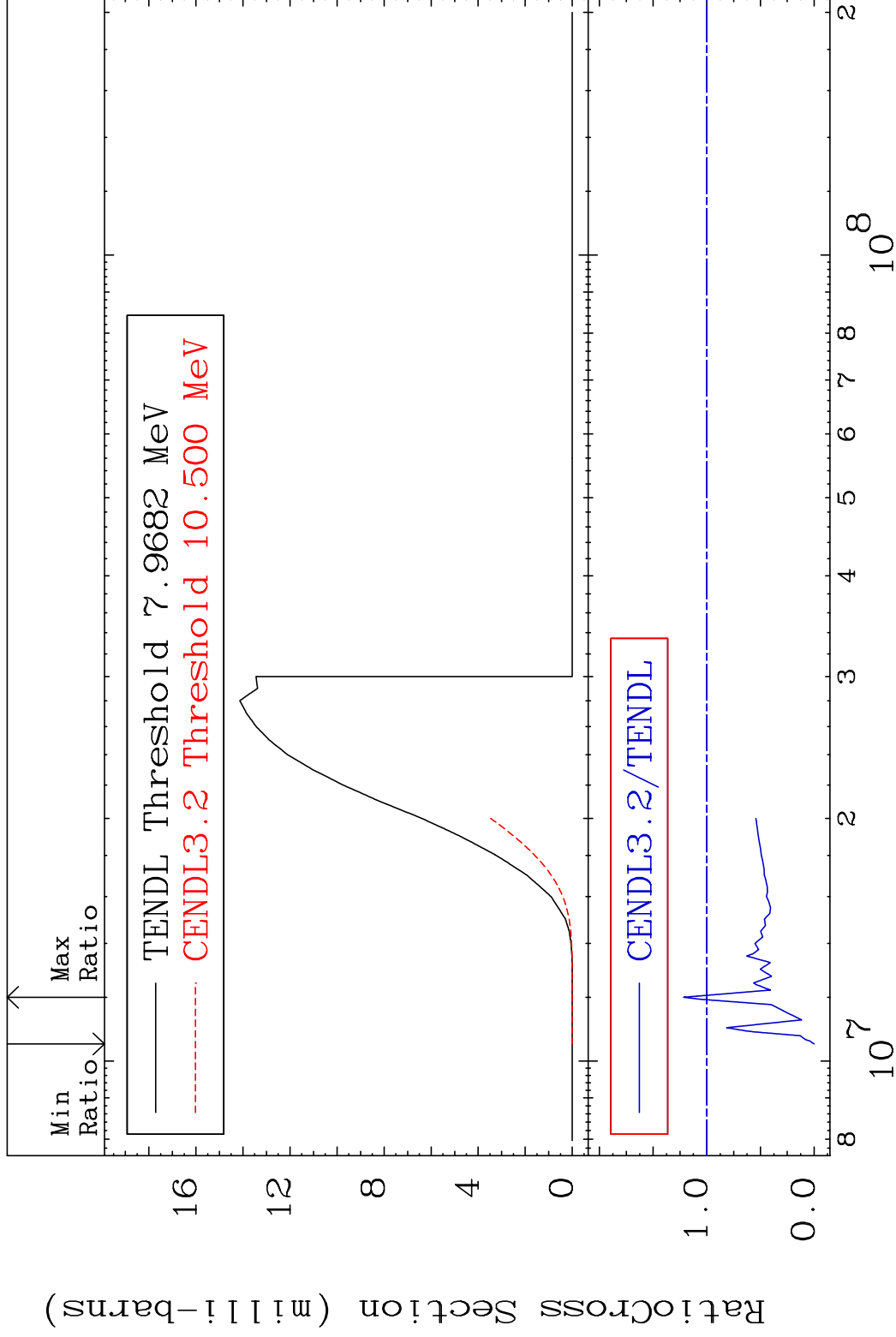


MAT 5046

(n,d)

50-Sn-119

Cross Section -100.0 To 21.57 %



16

Incident Energy (eV)

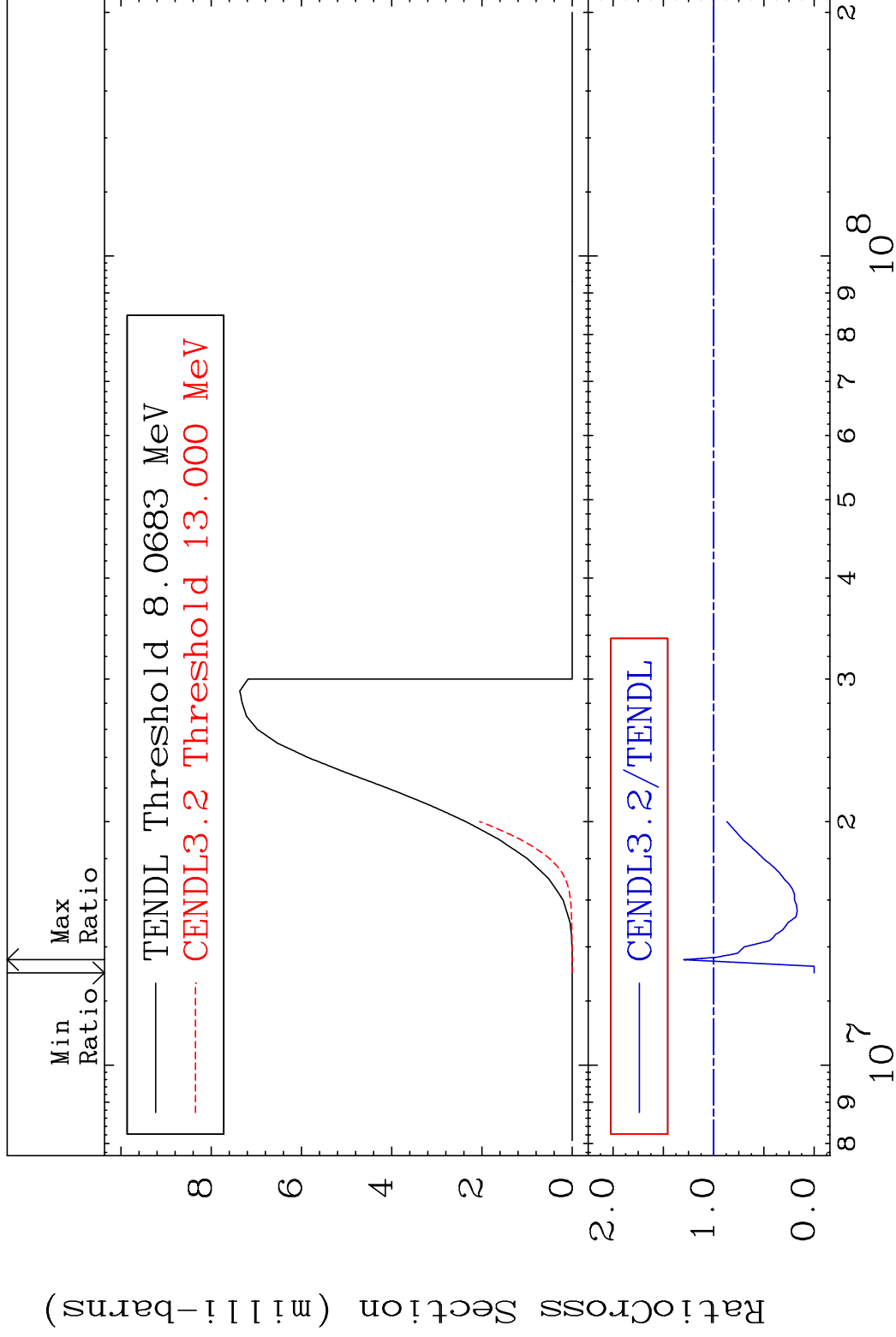
50-Sn-119

MAT 5046

(n, t)

50-Sn-119

Cross Section -100.0 To 29.78 %



17

Incident Energy (eV)

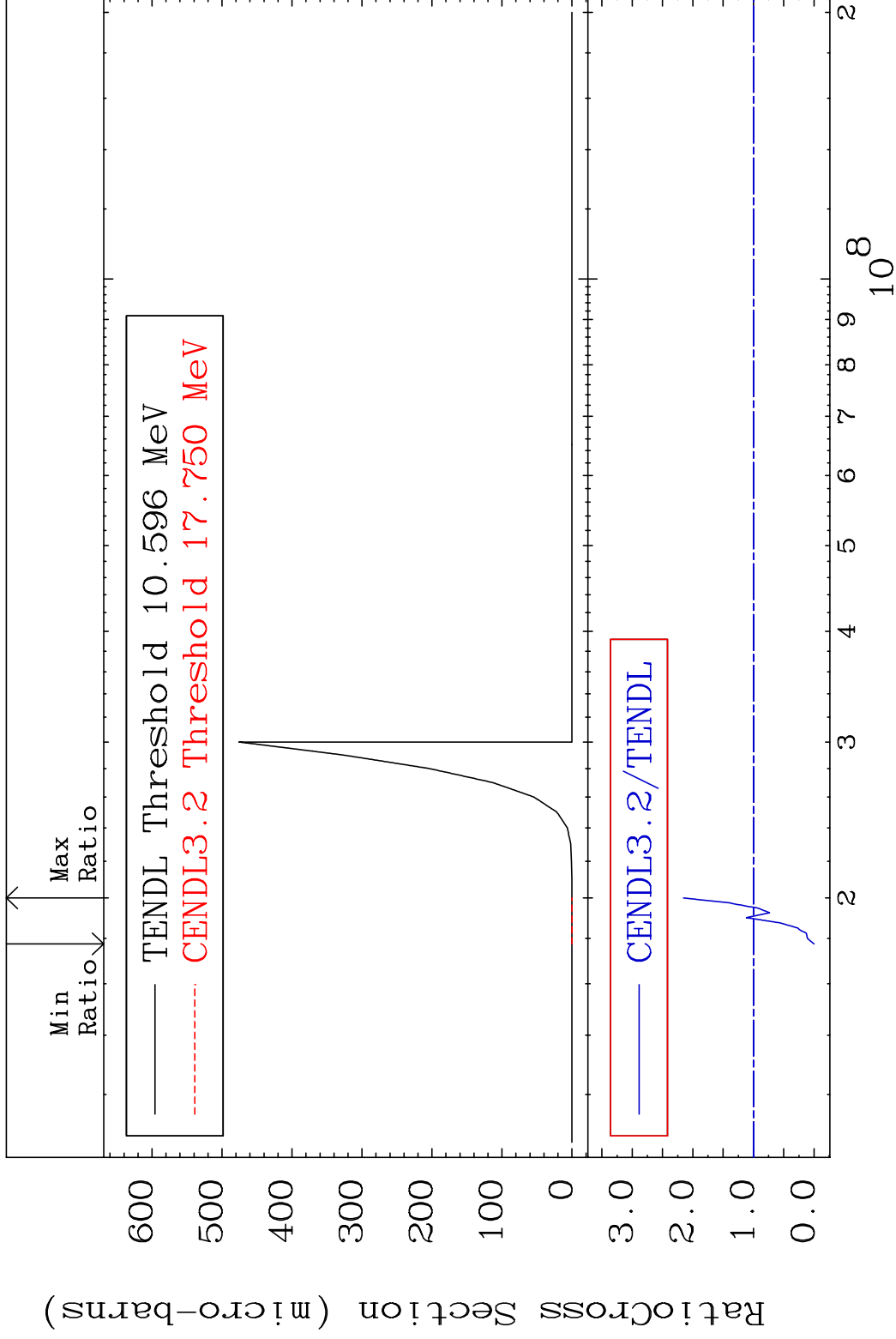
50-Sn-119

MAT 5046

(n, He-3)

50-Sn-119

Cross Section -100.0 To 115.5 %

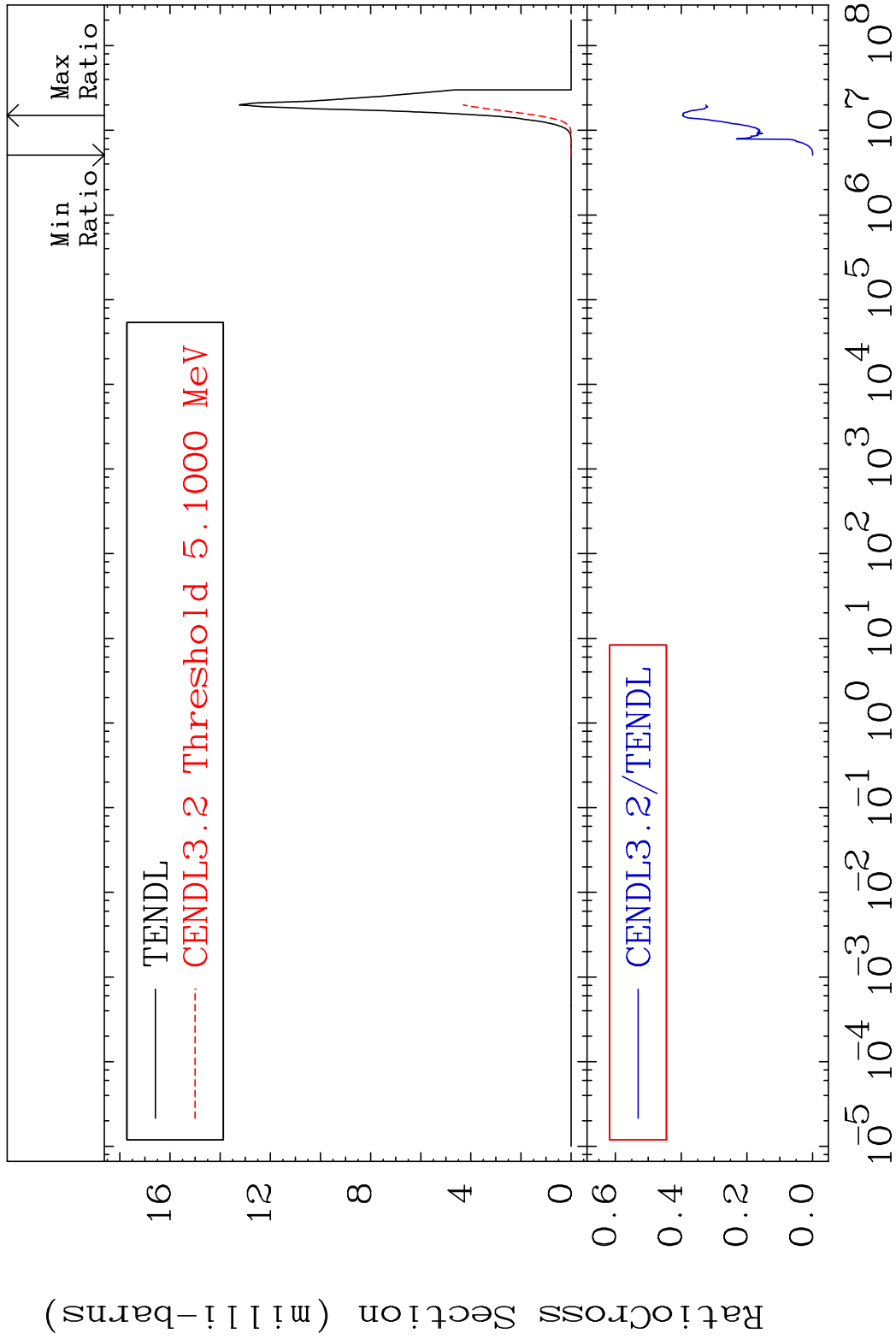


MAT 5046

(n, α)

50-Sn-119

Cross Section -100.0 To -60.37%

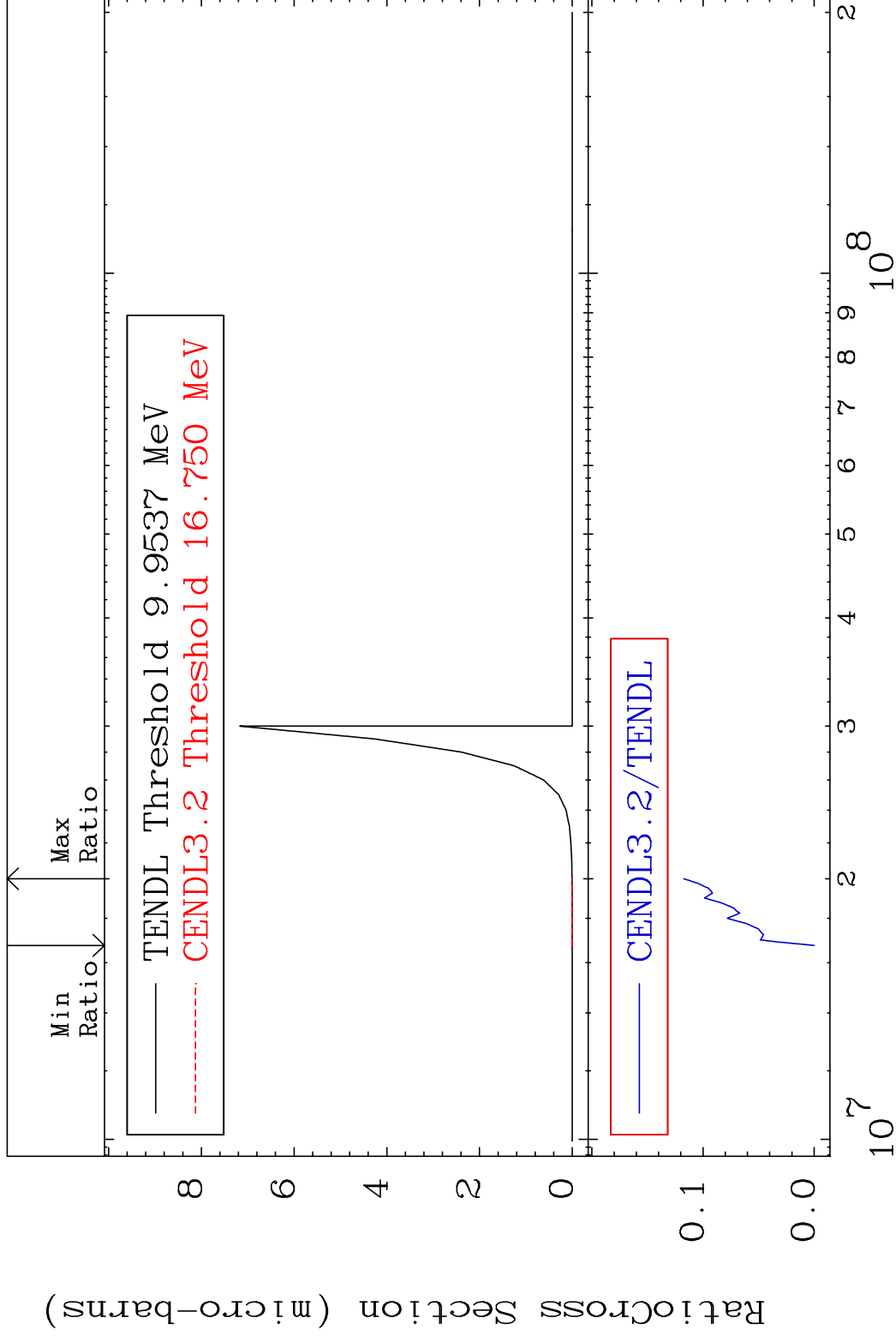


MAT 5046

(n,2p)

50-Sn-119

Cross Section -100.0 To -88.26%



20

Incident Energy (eV)

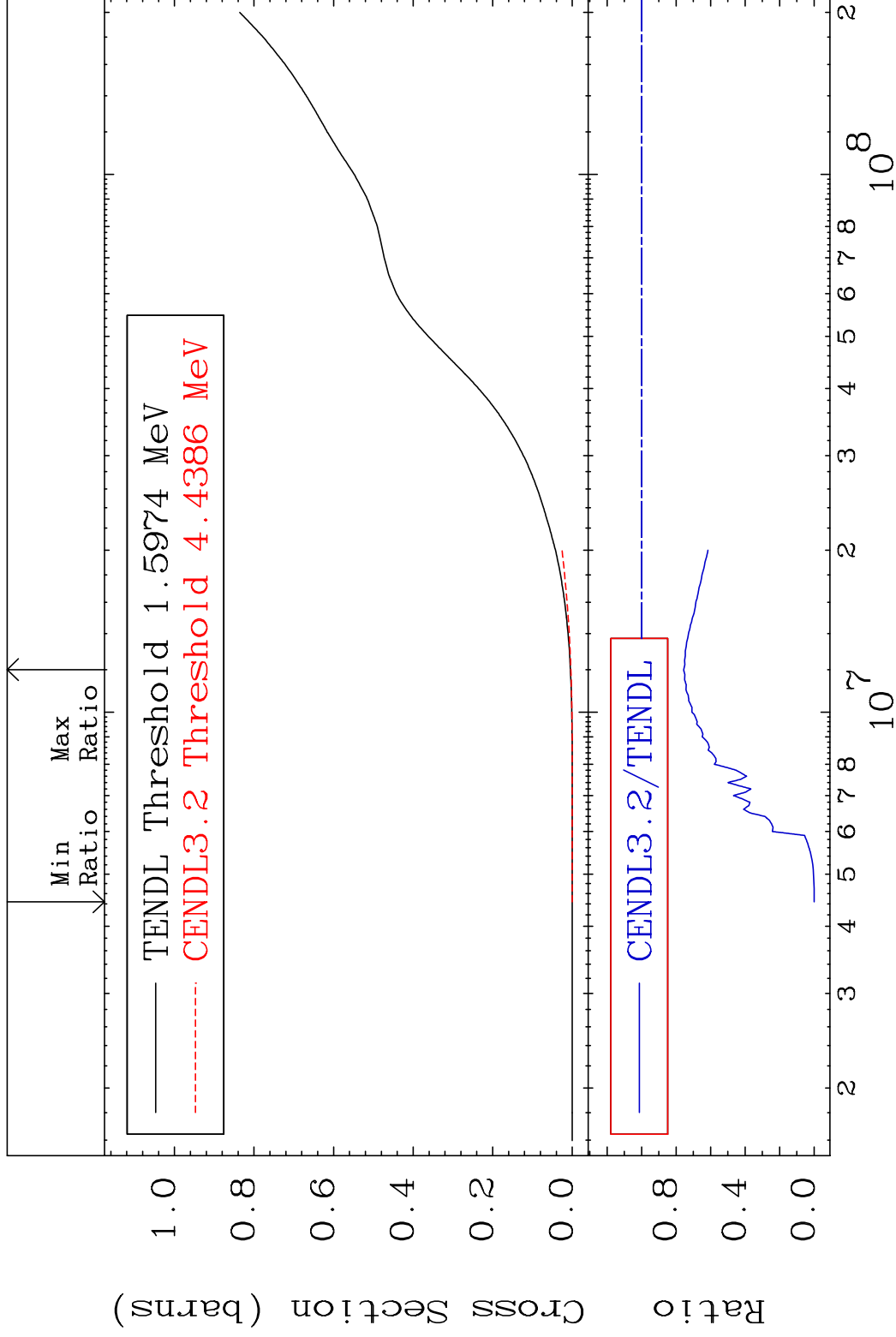
50-Sn-119

MAT 5046

Hydrogen Production

50-Sn-119

Cross Section -100.0 To -24.37%

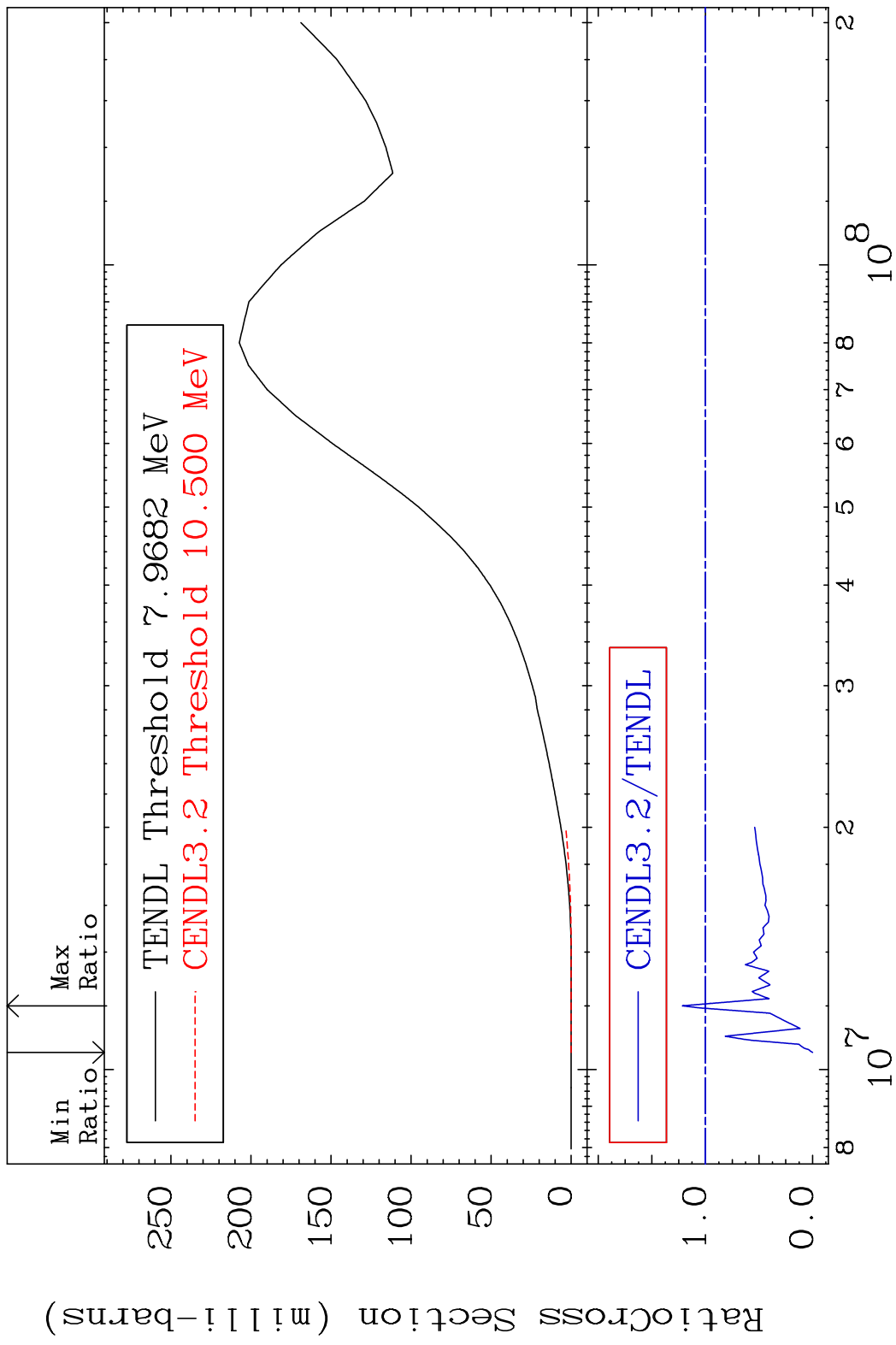


21

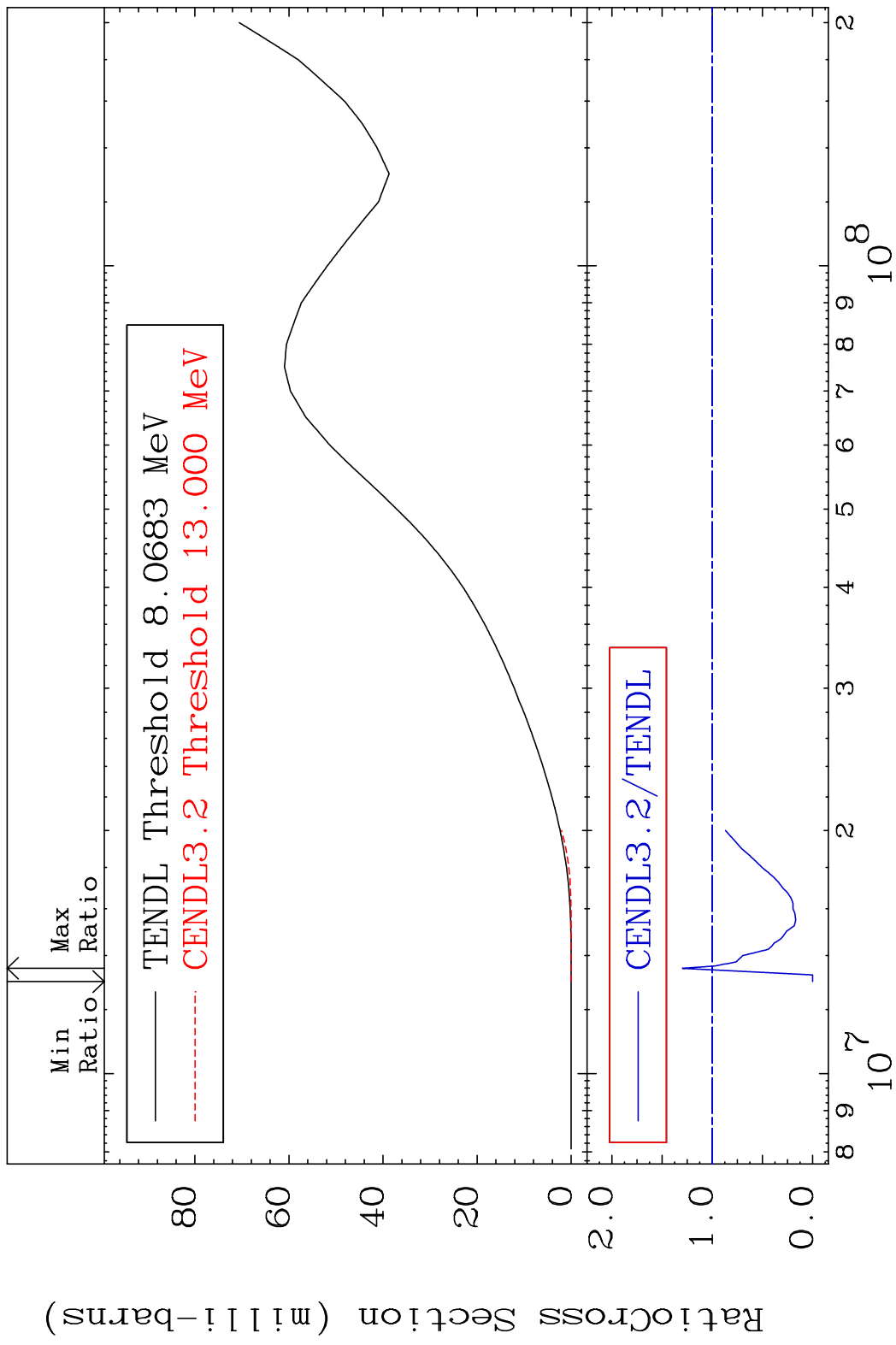
Incident Energy (eV)

50-Sn-119

MAT 5046 Deuterium Production 50-Sn-119
 Cross Section -100.0 To 21.57 %



MAT 5046 Tritium Production 50-Sn-119
 Cross Section -100.0 To 29.78 %

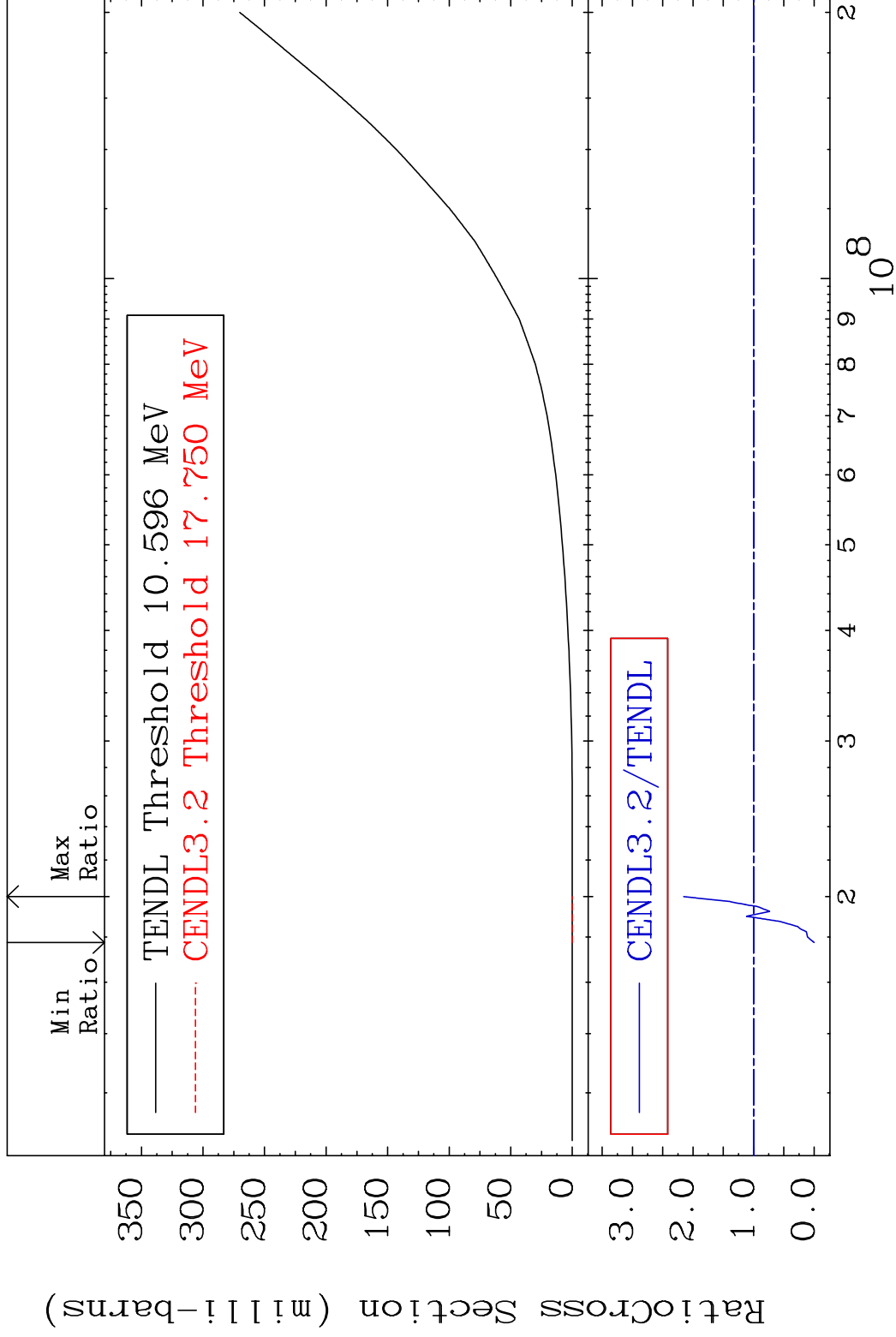


MAT 5046

He-3 Production

50-Sn-119

Cross Section -100.0 To 115.5 %



24

Incident Energy (eV)

50-Sn-119

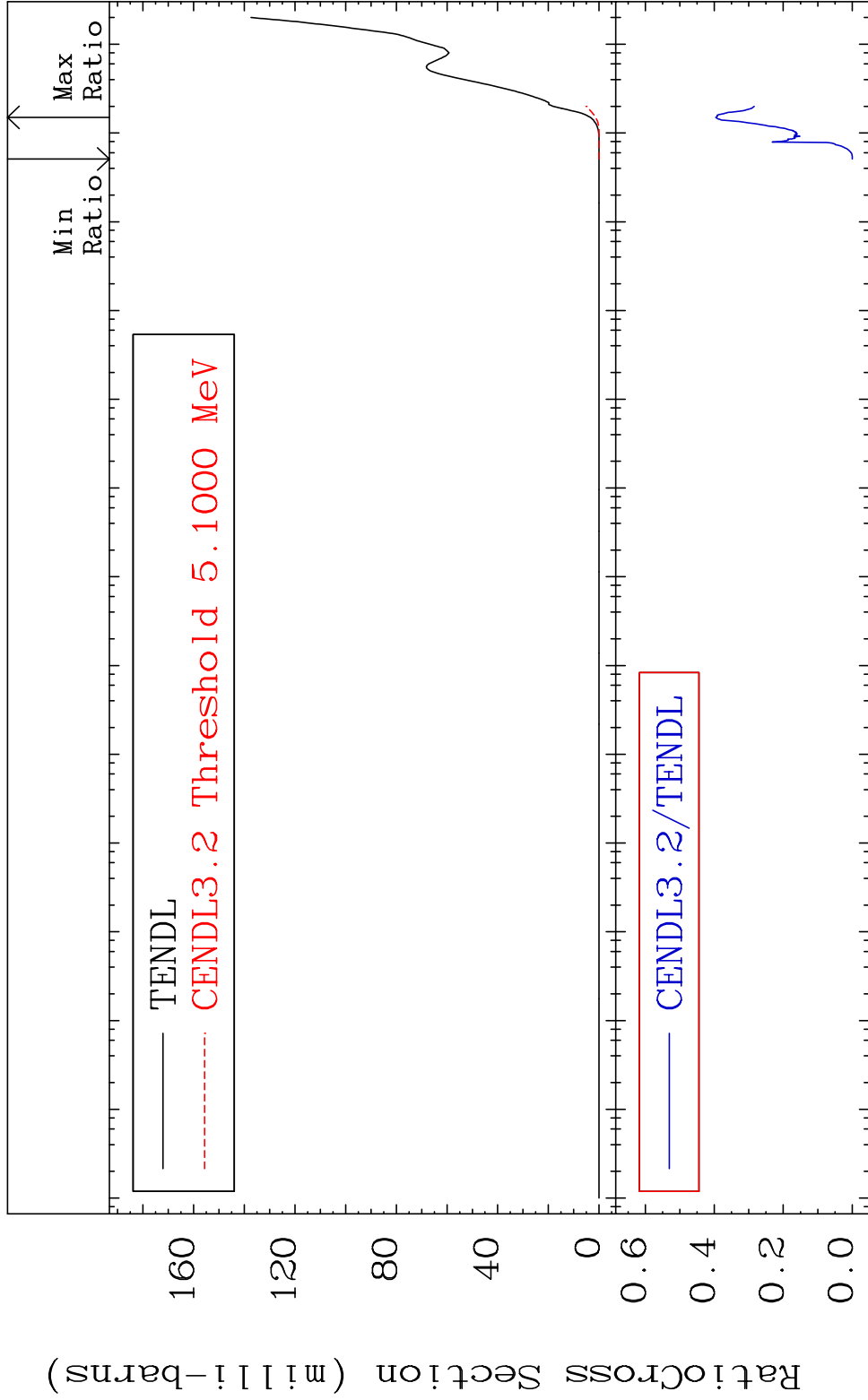
MAT 5046

He-4 Production

50-Sn-119

Cross Section

-100.0 To -60.39%

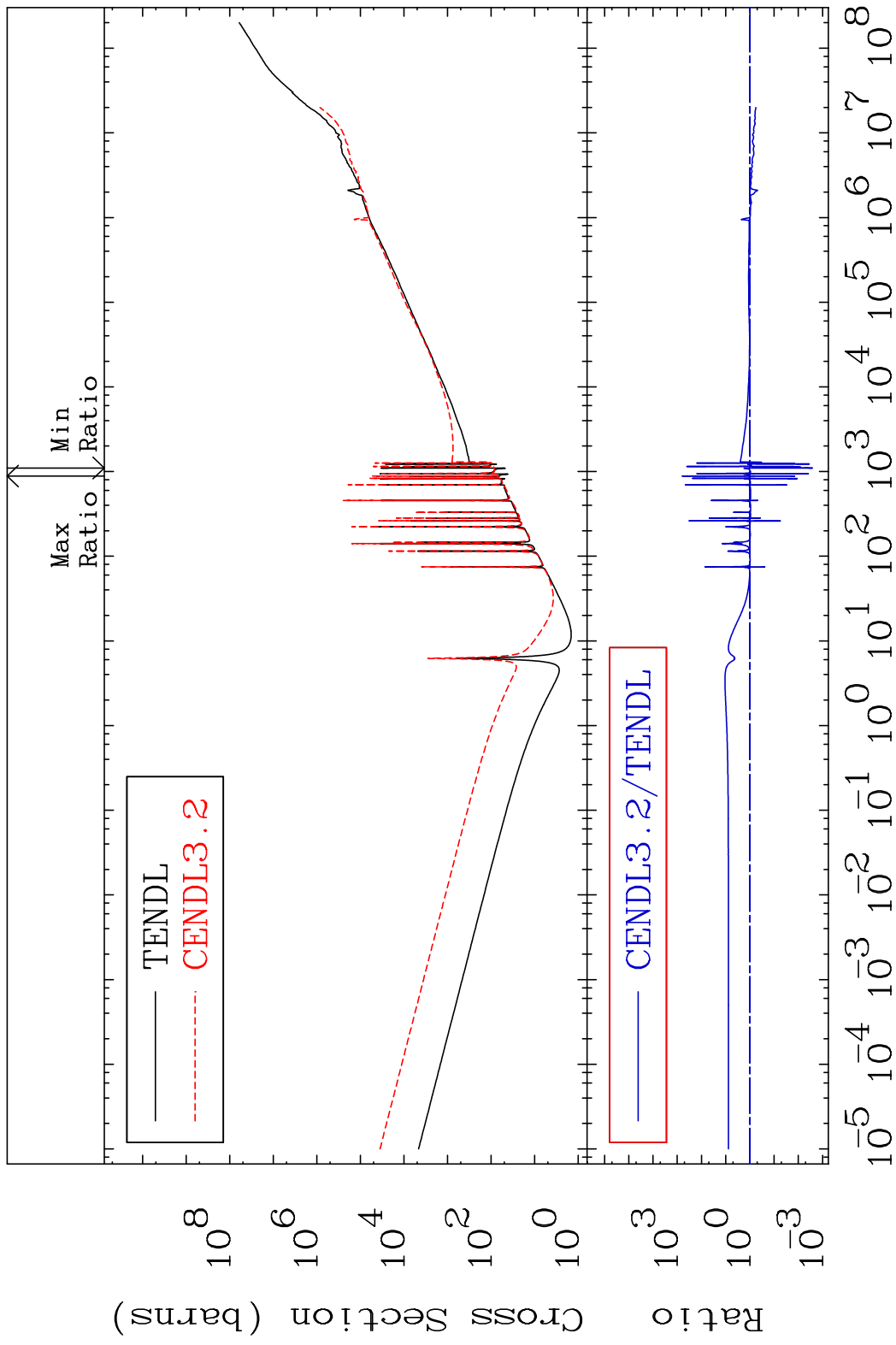


25

Incident Energy (eV)

50-Sn-119

MAT 5046 Kerma total (eV-barns) 50-Sn-119
 Cross Section -99.74 To 9999. %

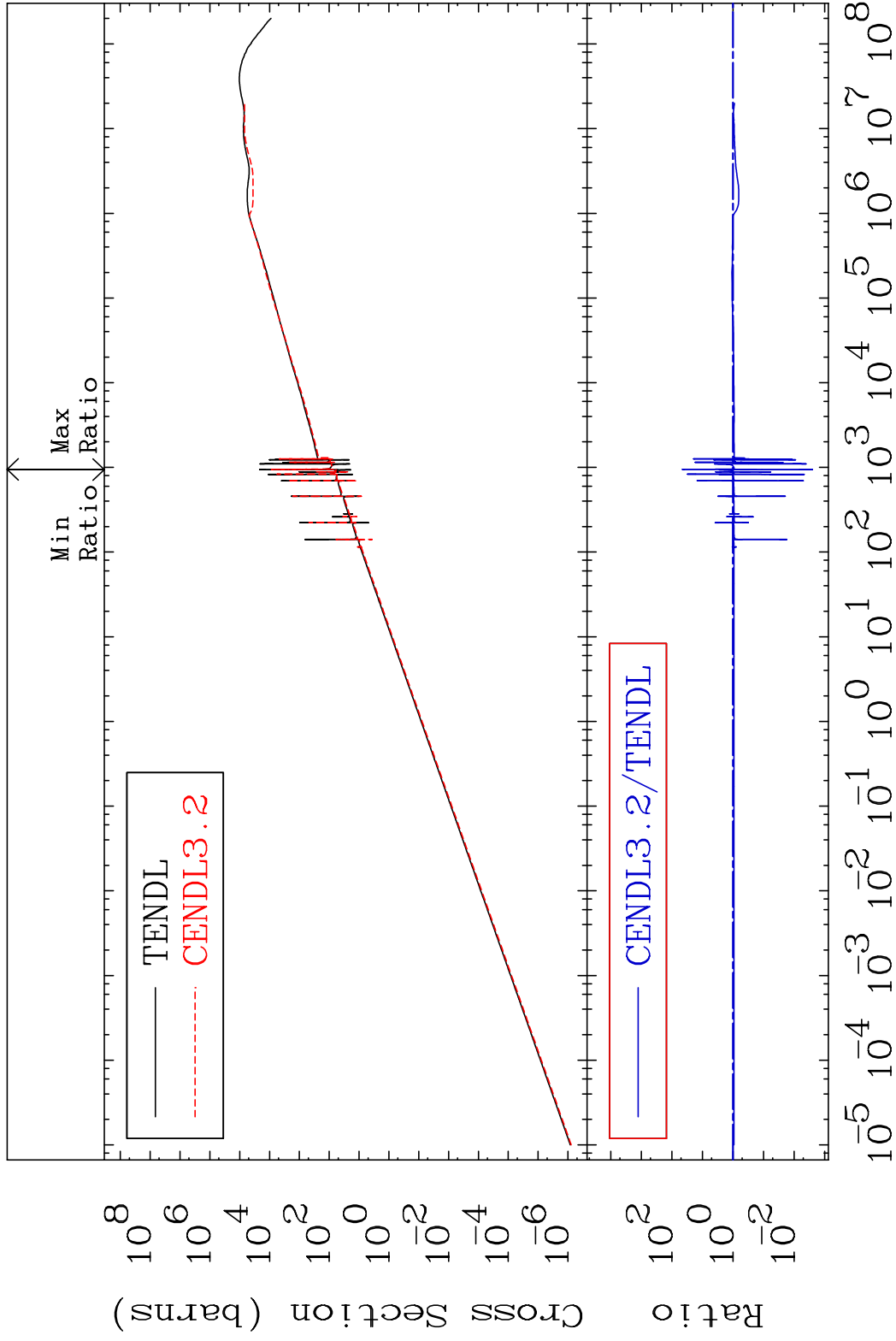


MAT 5046

Kerma elastic

50-Sn-119

Cross Section -99.75 To 4430. %

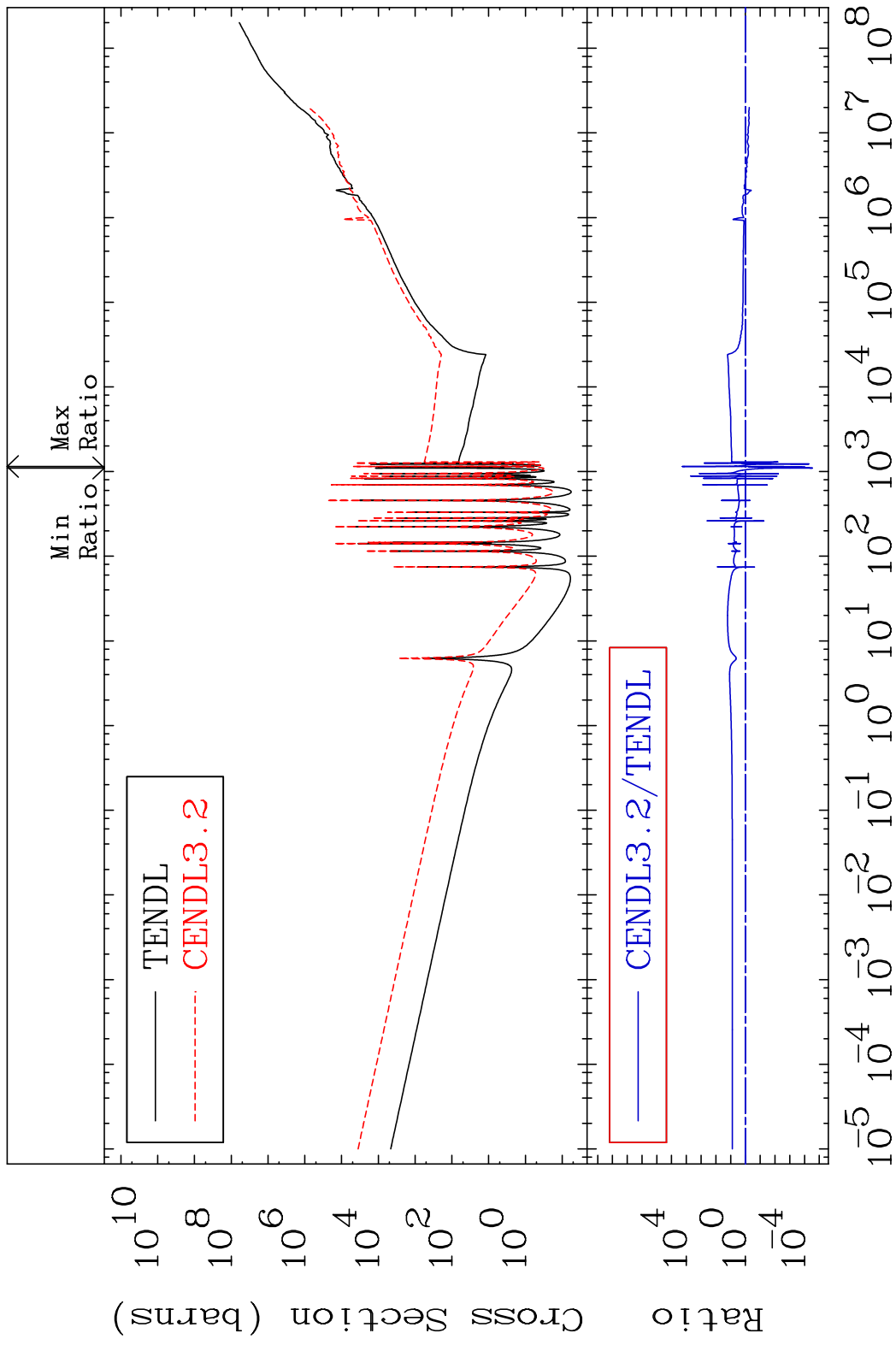


27

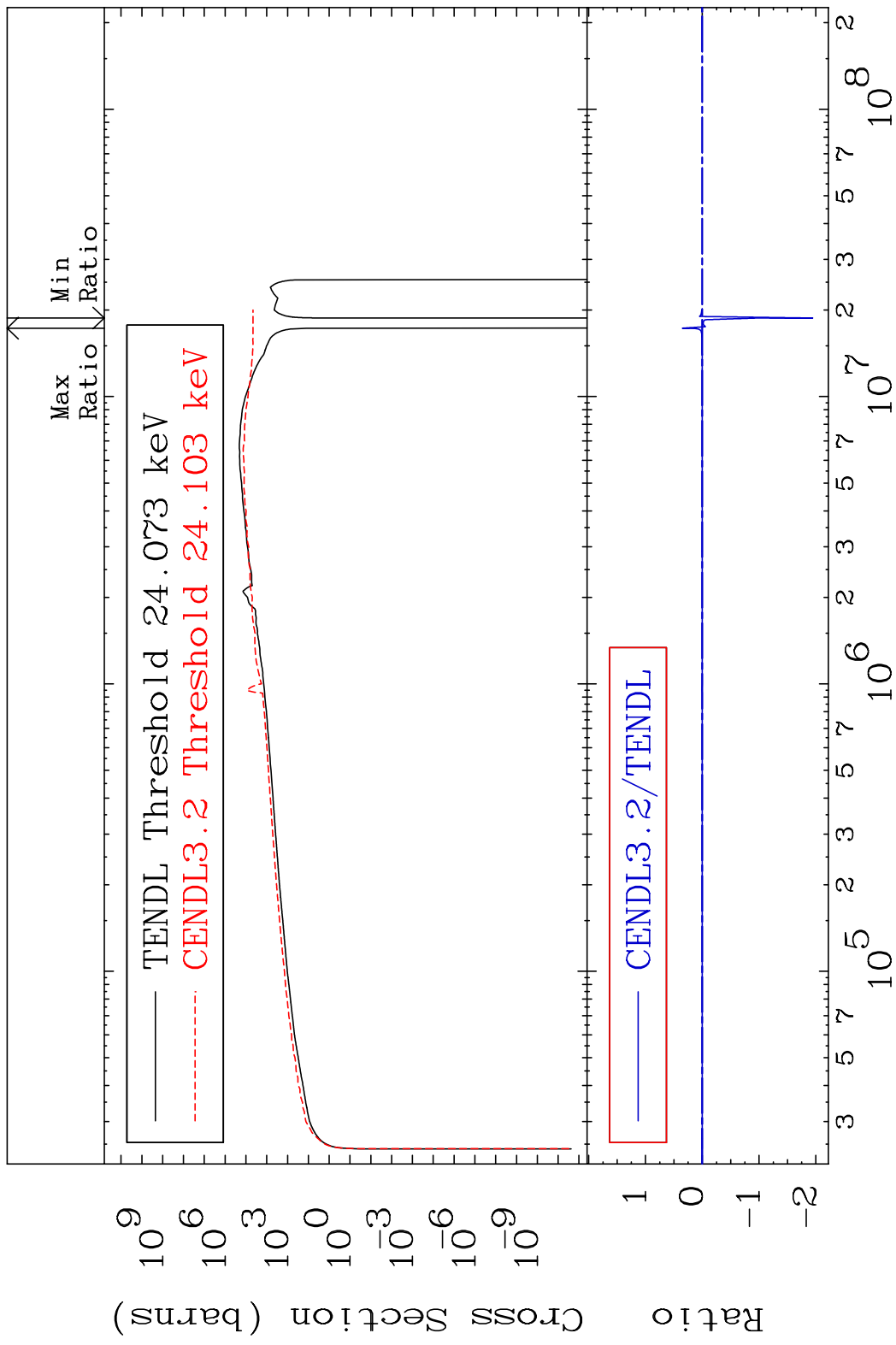
Incident Energy (eV)

50-Sn-119

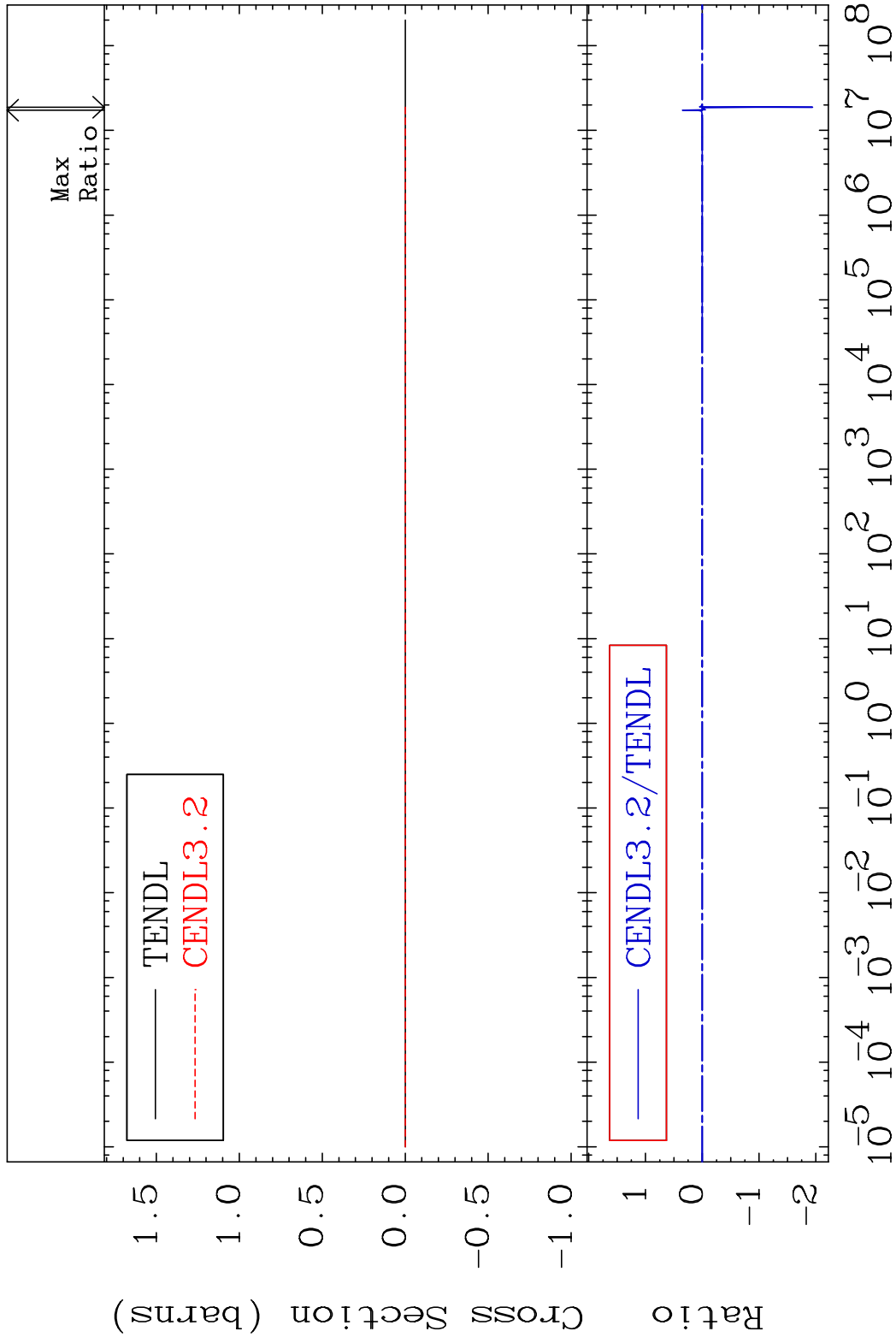
MAT 5046 Kerma non-elastic (all but mt2) 50-Sn-119
 Cross Section -100.0 To 9999. %



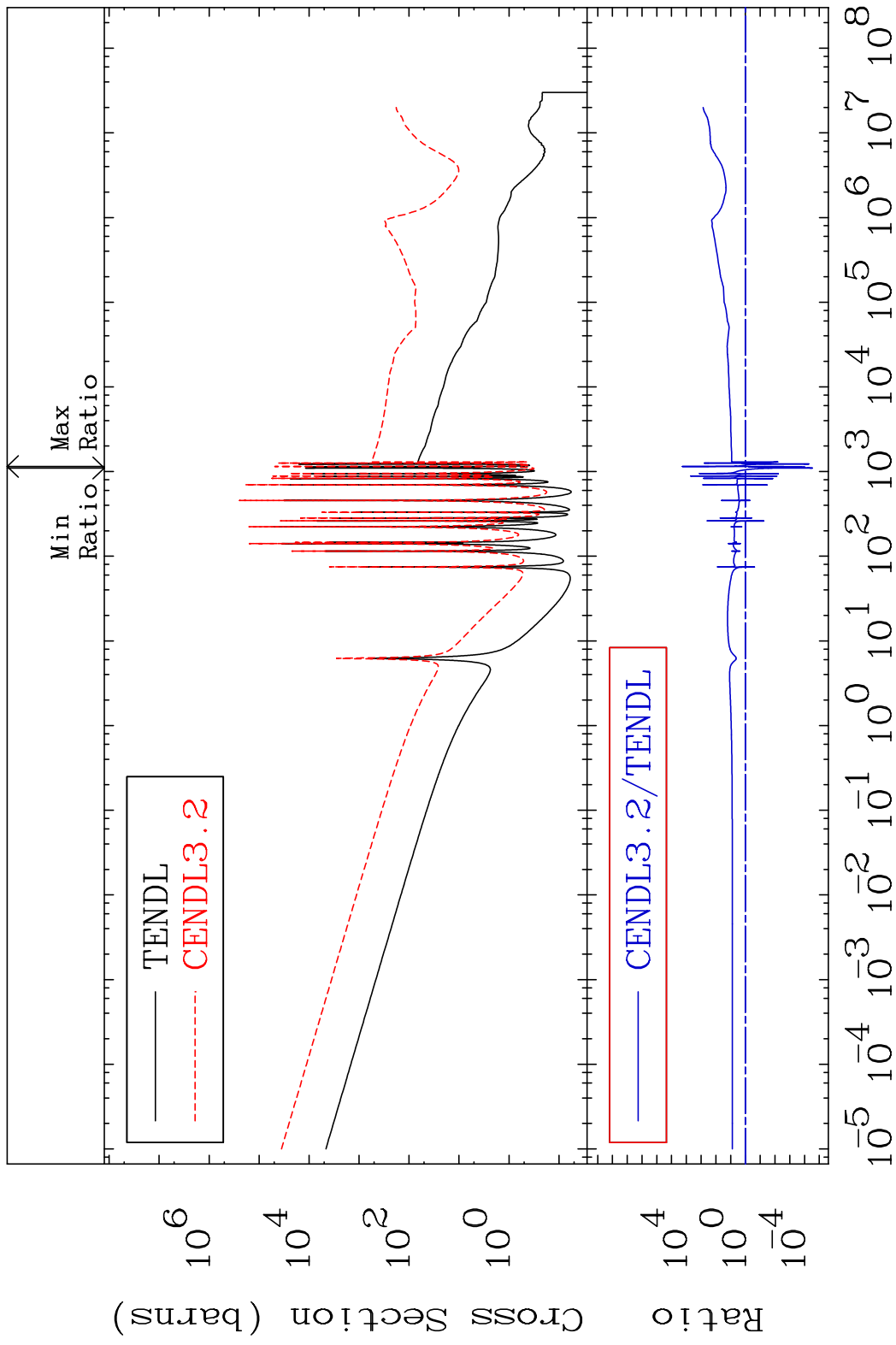
MAT 5046 Kerma inelastic (mt51-91) 50-Sn-119
 Cross Section -9999. To 9999. %



MAT 5046 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-119
 Cross Section -9999. To 9999. %

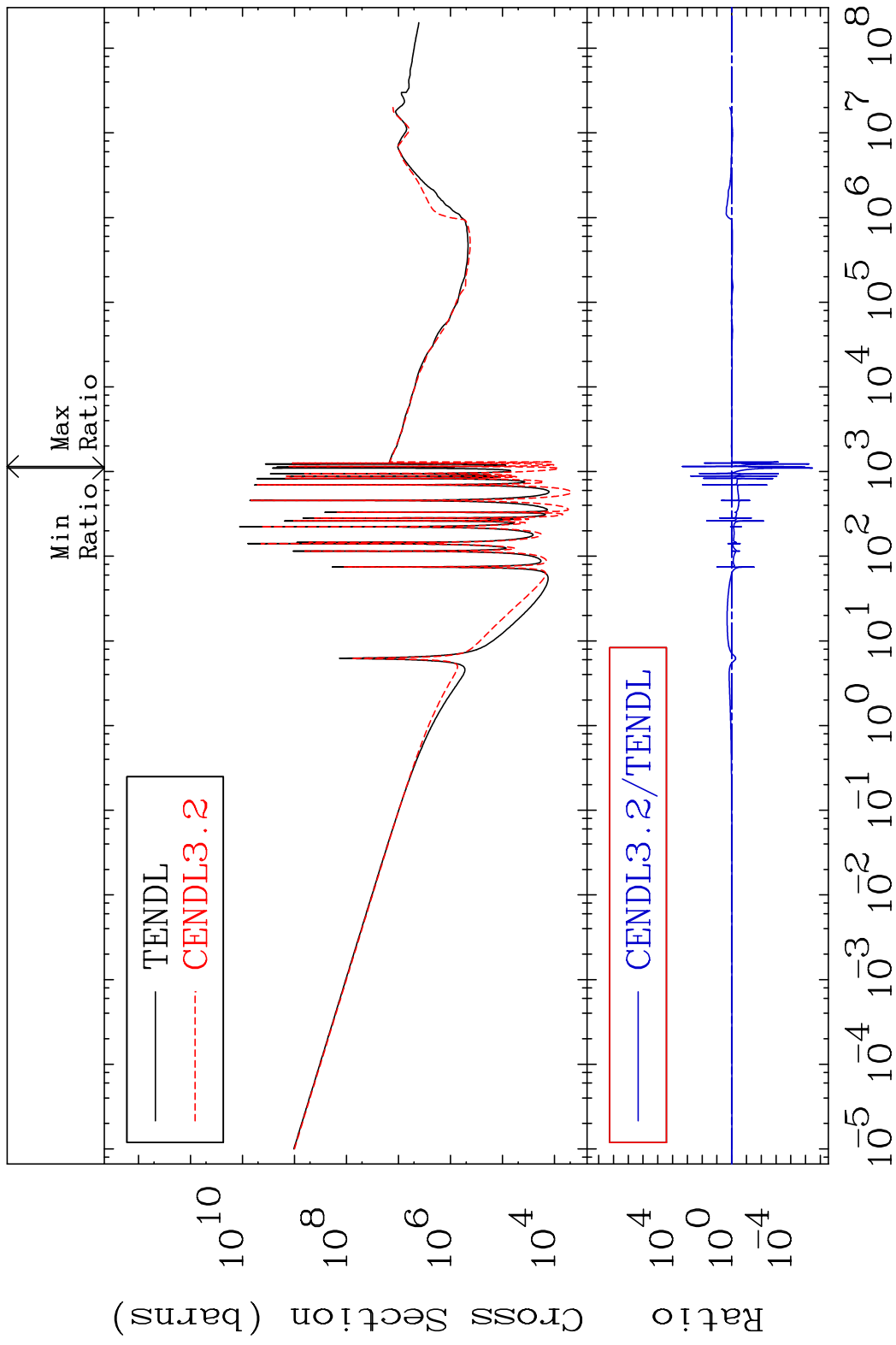


MAT 5046 Kerma capture (mt102) 50-Sn-119
 Cross Section -100.0 To 9999. %



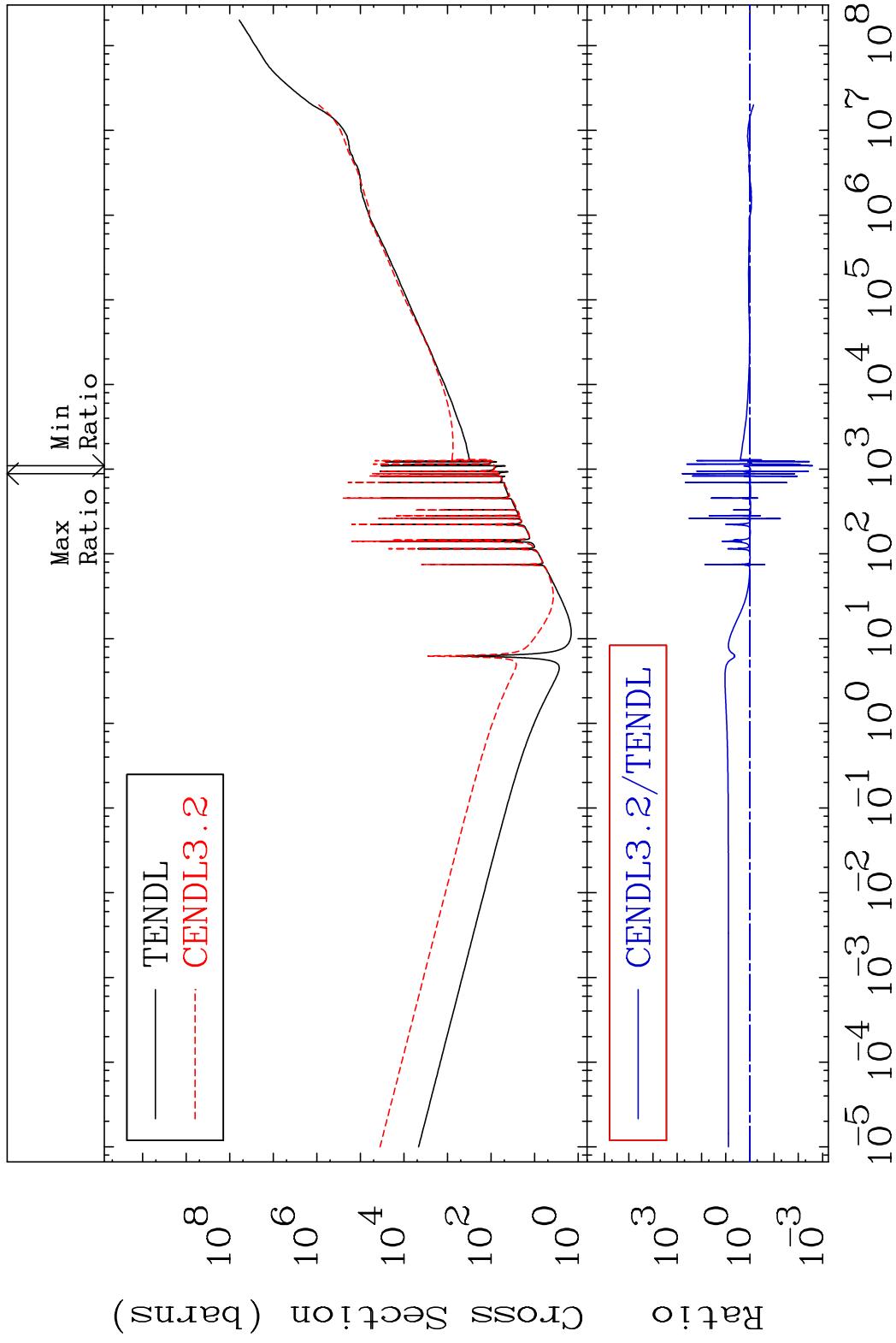
31 Incident Energy (eV) 50-Sn-119

MAT 5046 Total photon (eV-barns) 50-Sn-119
 Cross Section -100.0 To 9999. %

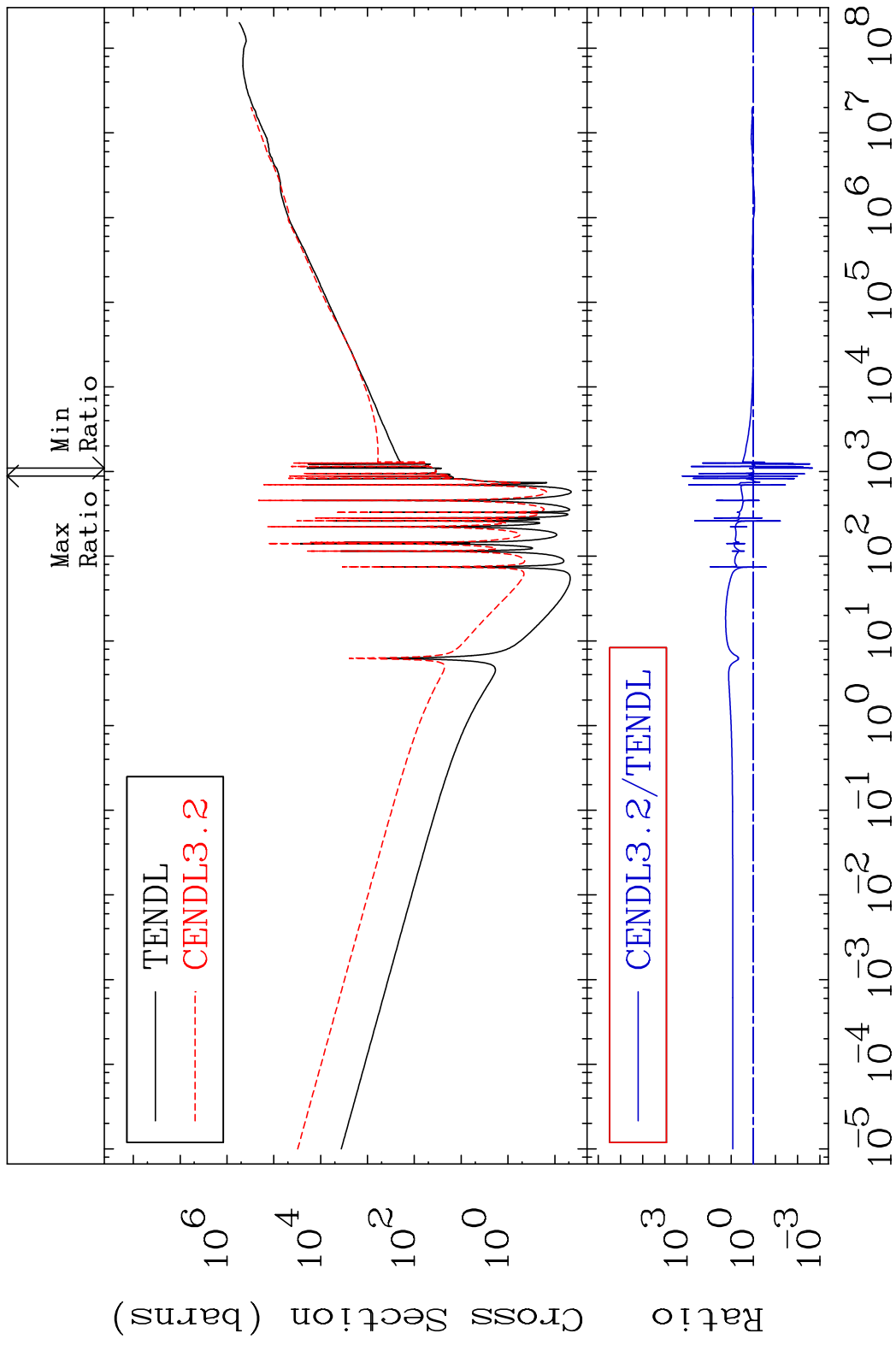


32 Incident Energy (eV) 50-Sn-119

MAT 5046 Total kinematic kerma (high limit) 50-Sn-119
 Cross Section -99.74 To 9999. %



MAT 5046 Dpa total (eV-barns) 50-Sn-119
 Cross Section -99.79 To 9999. %

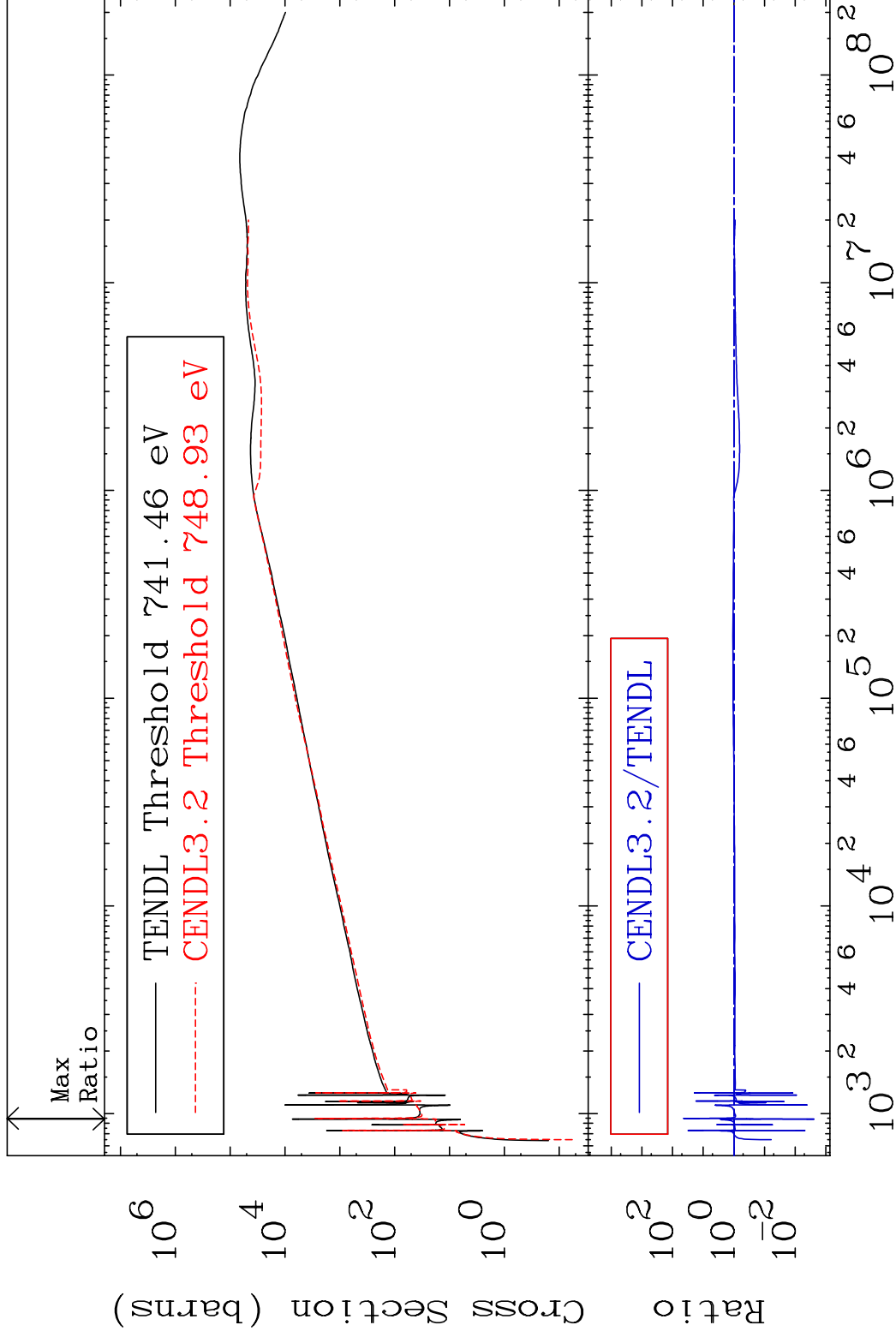


MAT 5046

Dpa elastic (mt2)

50-Sn-119

Cross Section -99.76 To 4254. %

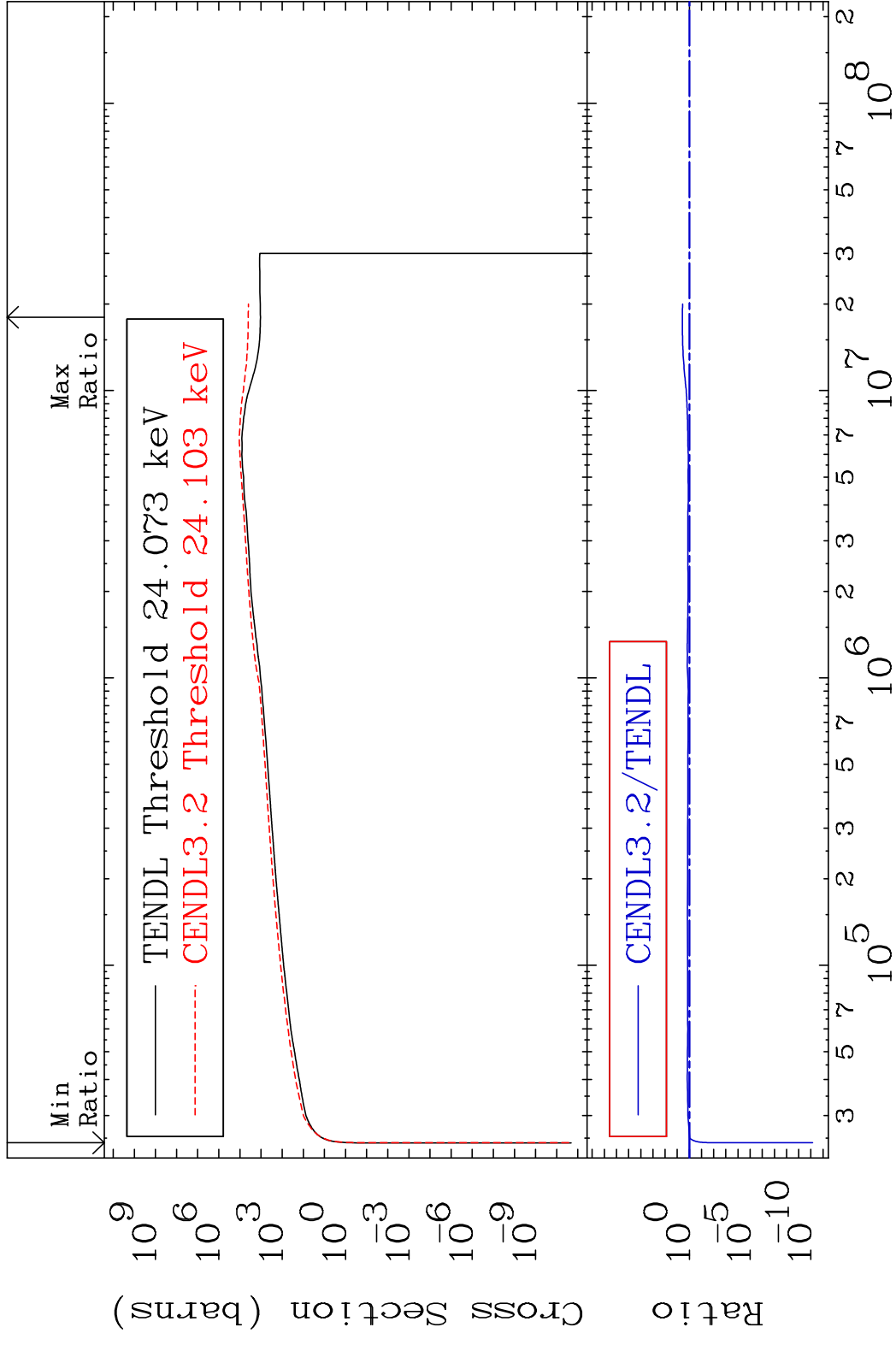


35

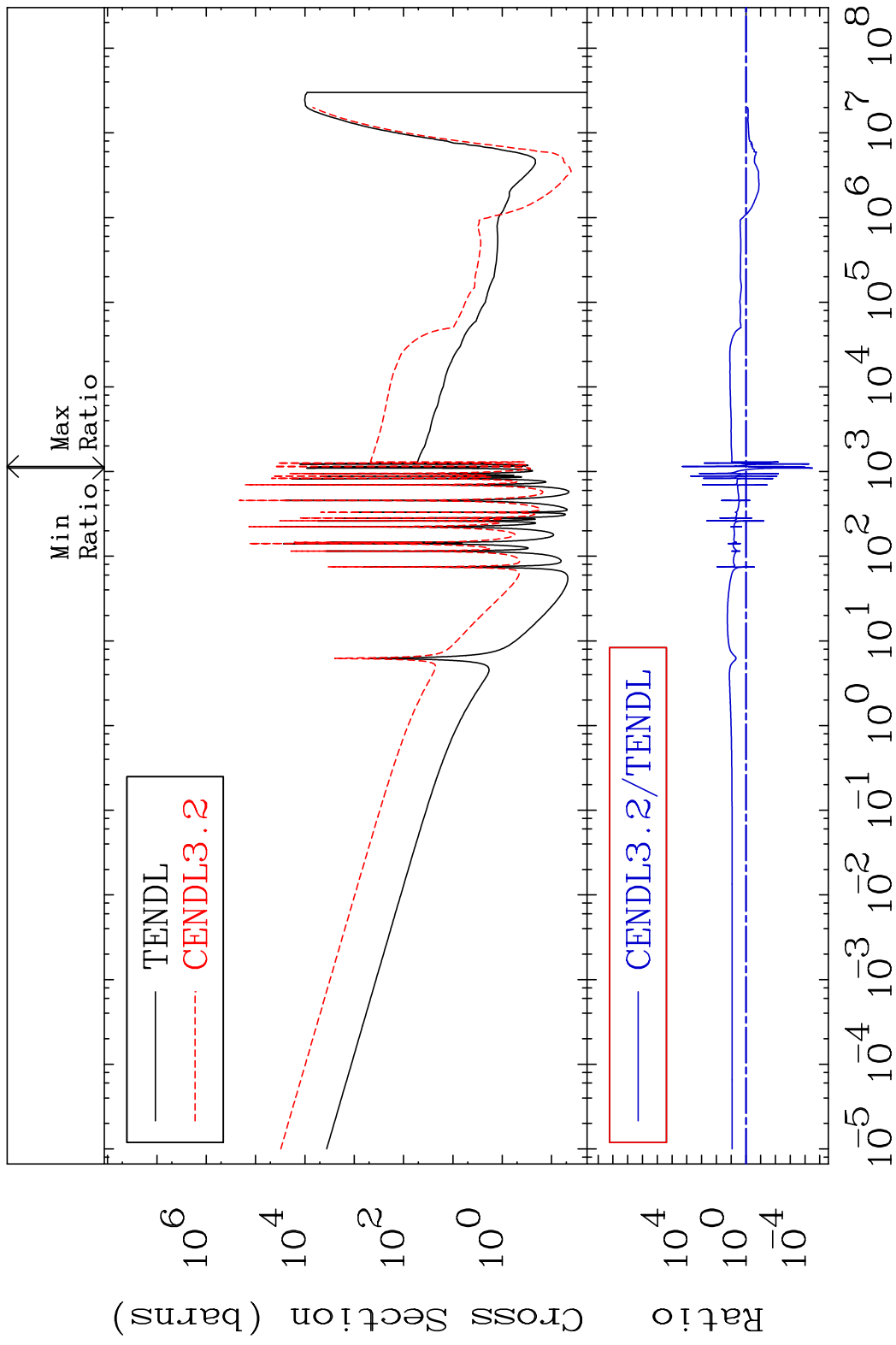
Incident Energy (eV)

50-Sn-119

MAT 5046 Dpa inelastic (mt51-91) 50-Sn-119
 Cross Section -100.0 To 278.0 %



MAT 5046 Dpa disappearance (mt102 -120) 50-Sn-119
 Cross Section -100.0 To 9999. %

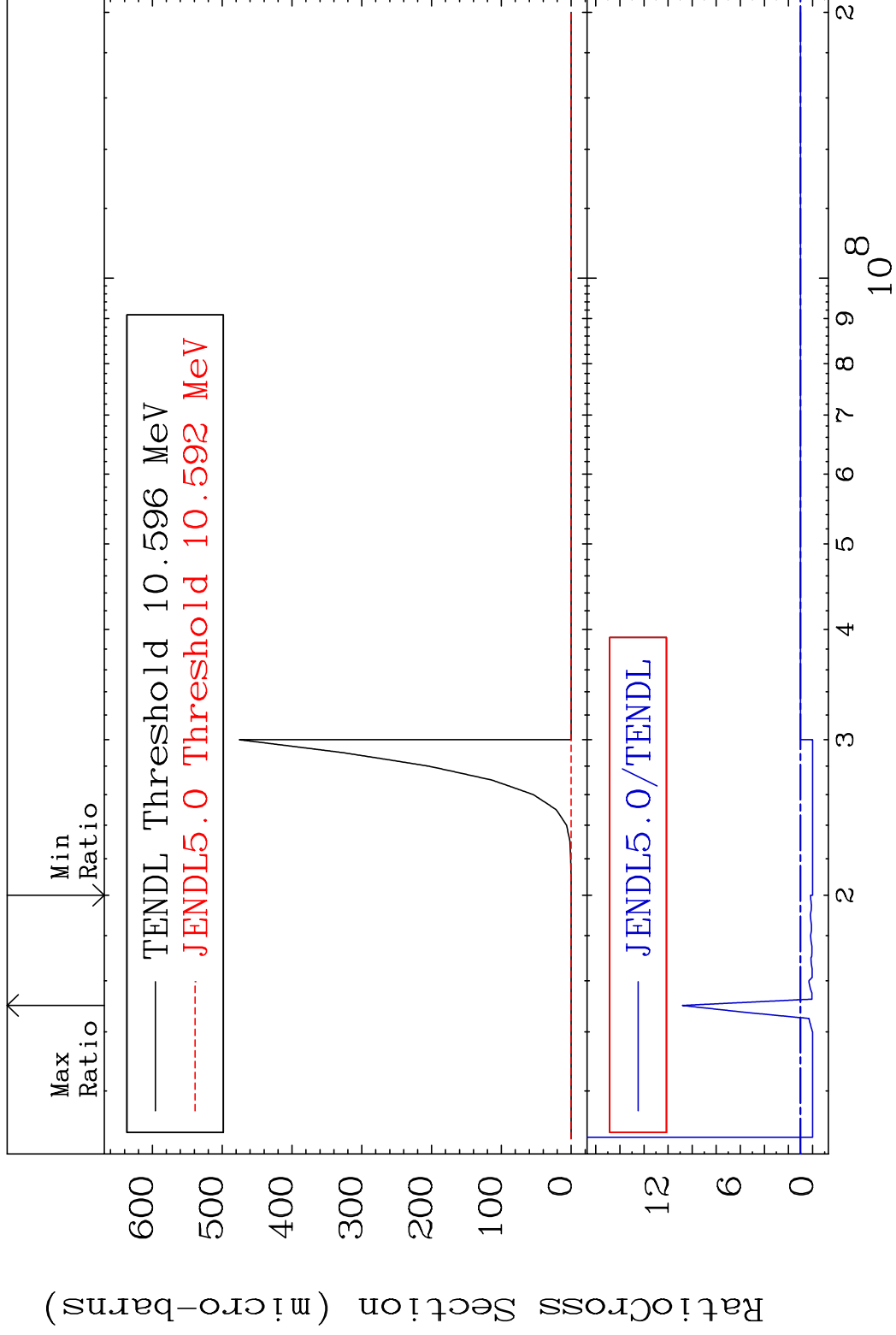


MAT 5046

(n, He-3)

50-Sn-119

Cross Section -100.0 To 981.3 %



38

Incident Energy (eV)

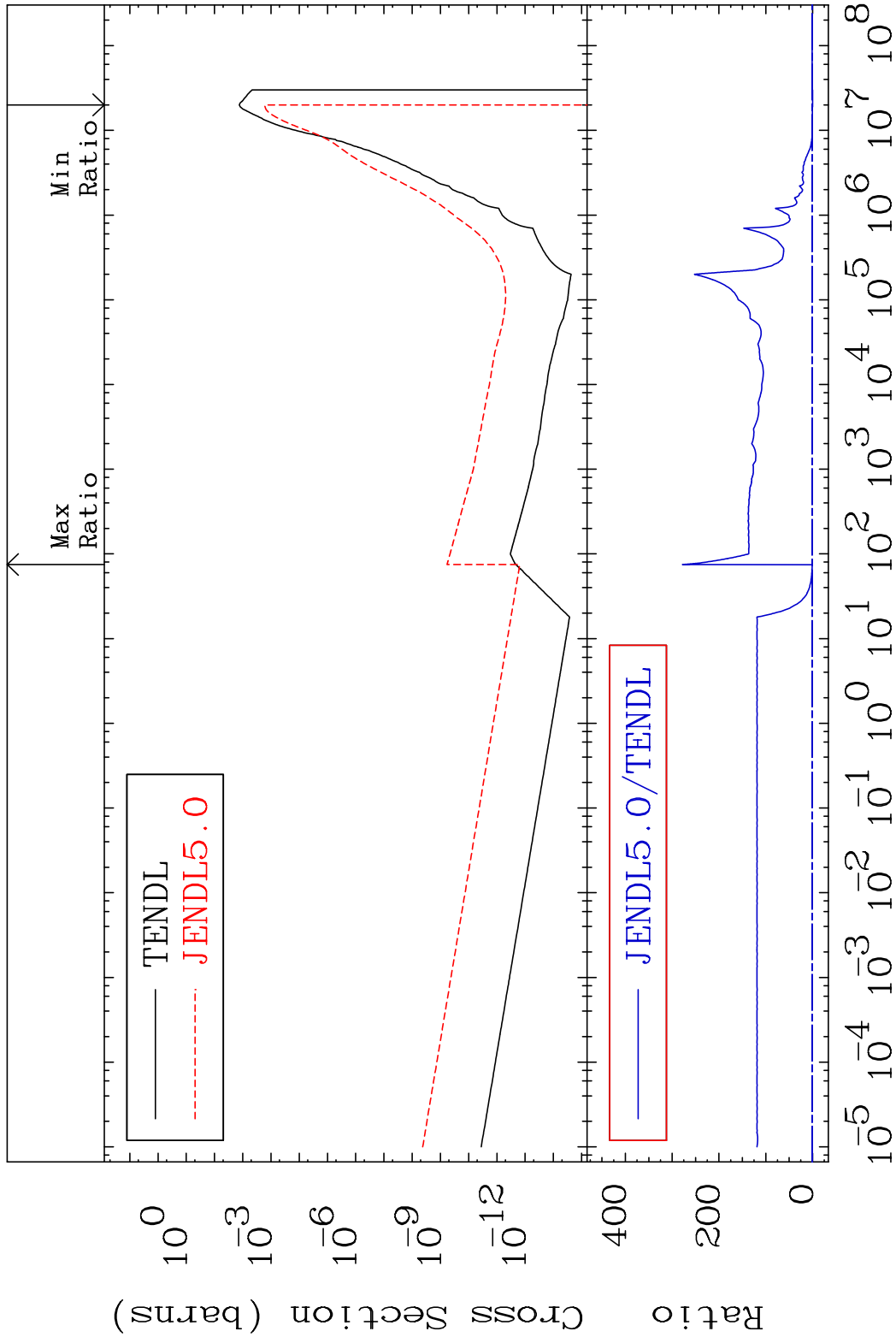
50-Sn-119

MAT 5046

(n, α)

50-Sn-119

Cross Section -100.0 To 9999. %

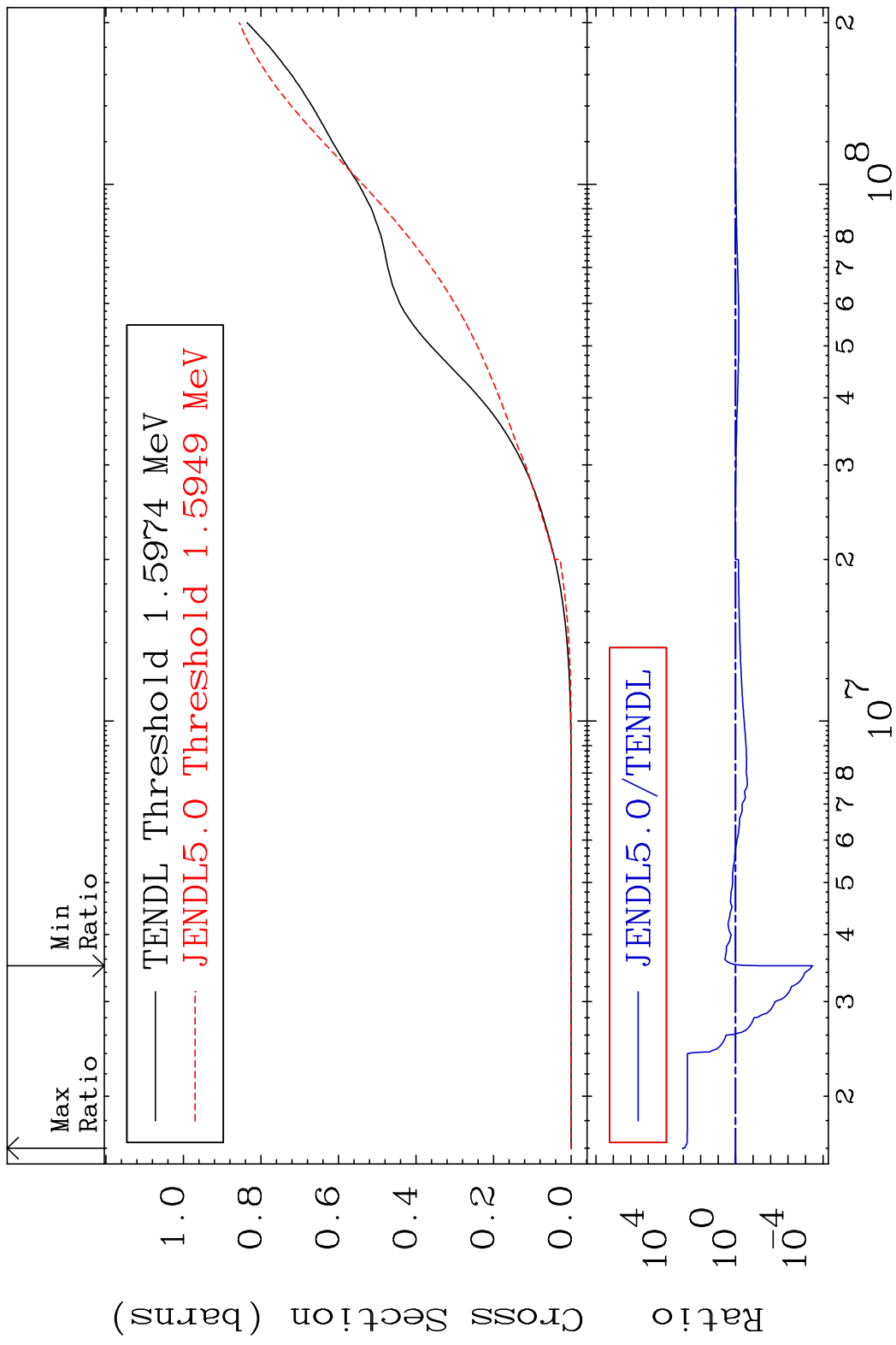


39

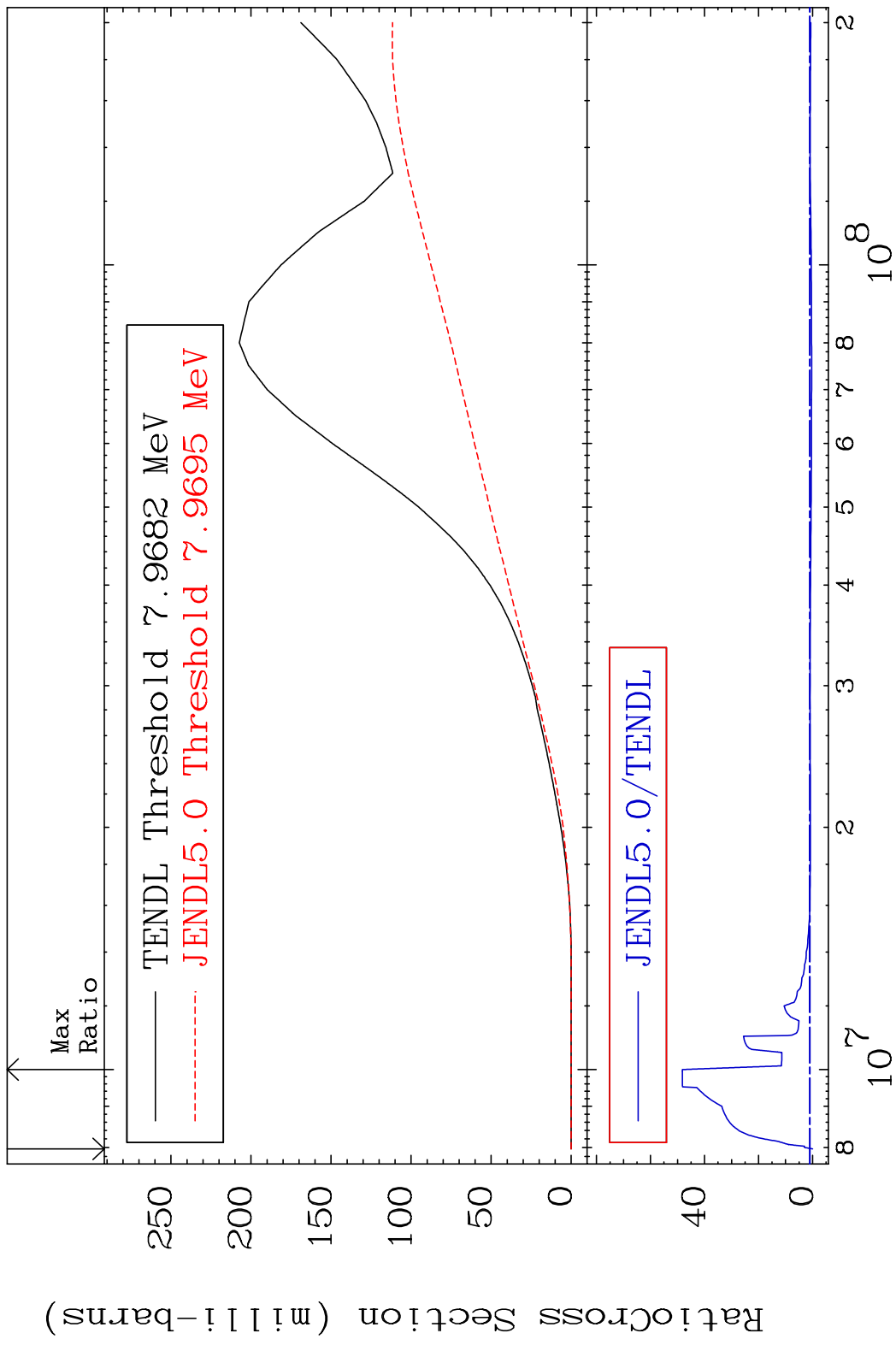
Incident Energy (eV)

50-Sn-119

MAT 5046 Hydrogen Production 50-Sn-119
Cross Section -100.0 To 9999. %

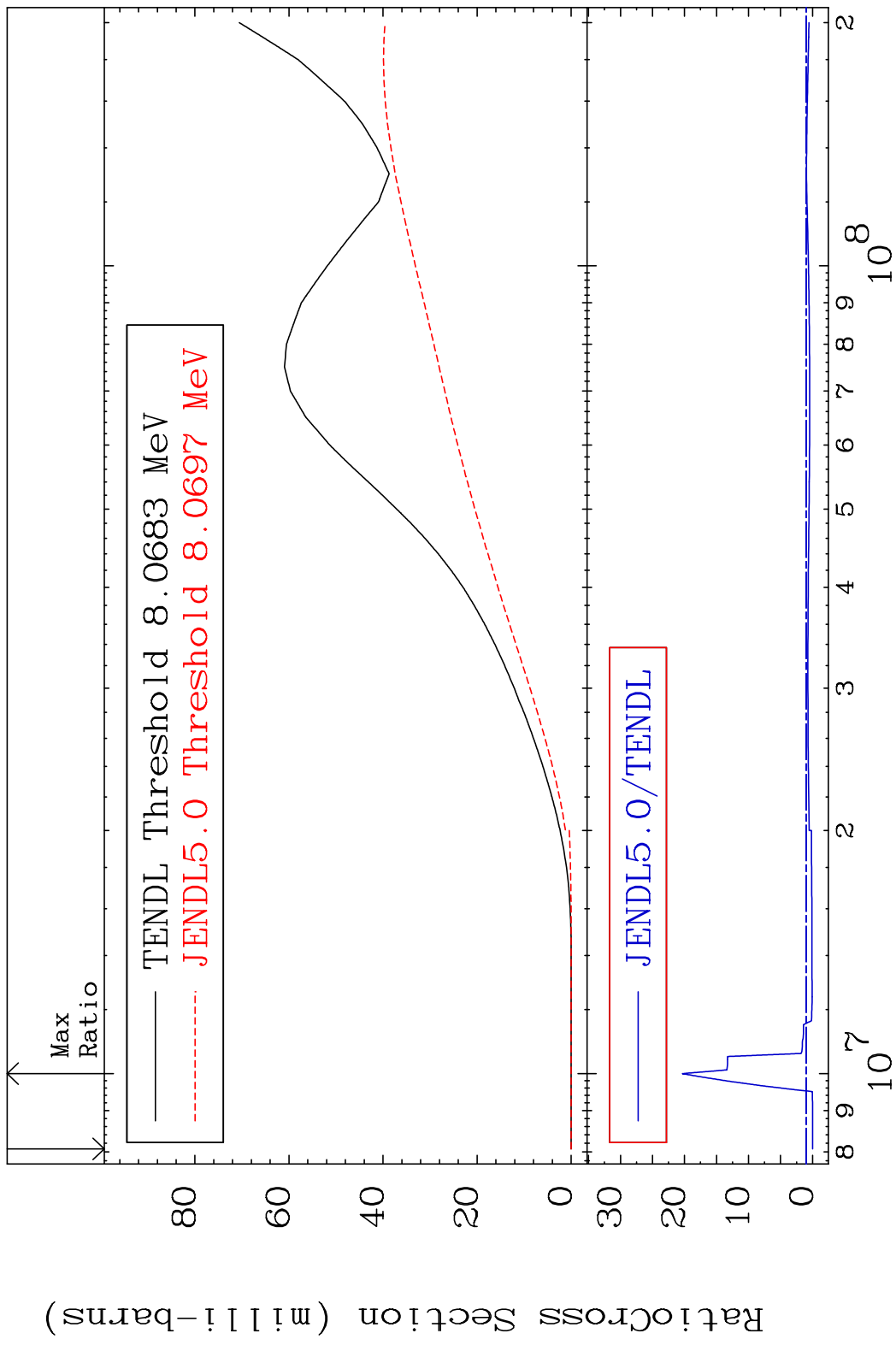


MAT 5046 Deuterium Production 50-Sn-119
 Cross Section -100.0 To 4721. %



41 Incident Energy (eV) 50-Sn-119

MAT 5046 Tritium Production 50-Sn-119
 Cross Section -100.0 To 1934. %



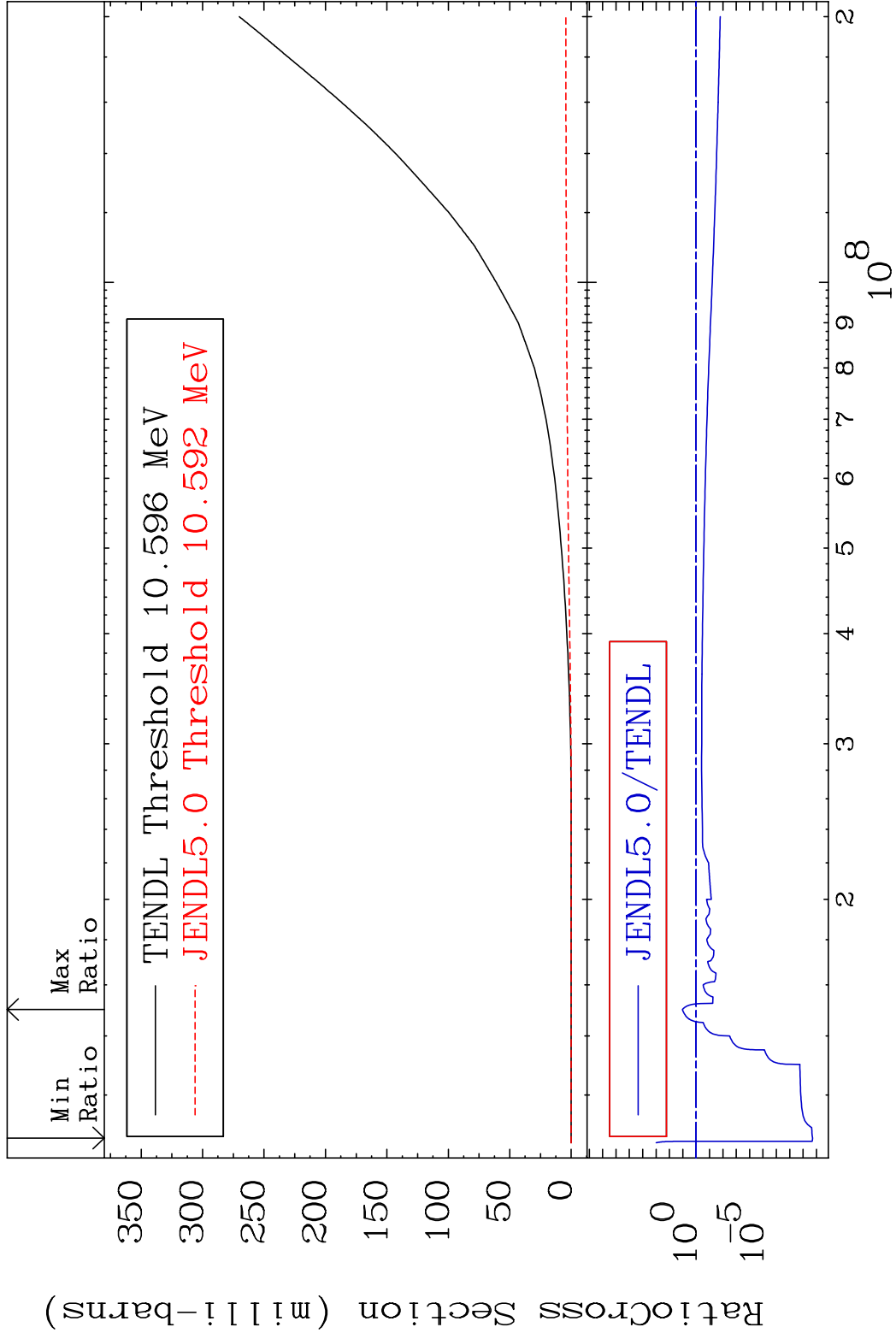
42 Incident Energy (eV) 50-Sn-119

MAT 5046

He-3 Production

50-Sn-119

Cross Section -100.0 To 981.3 %

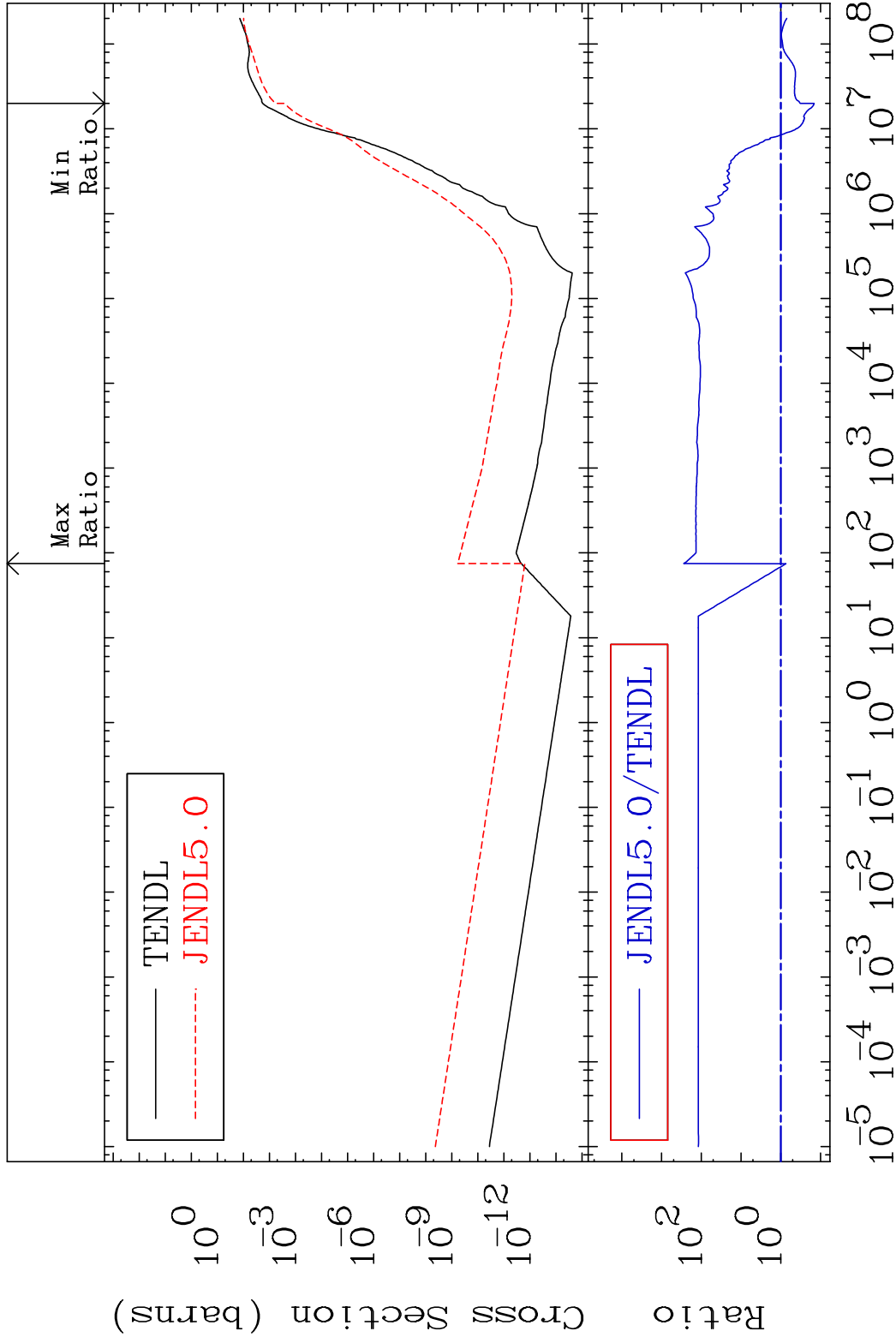


MAT 5046

He-4 Production

50-Sn-119

Cross Section -85.54 To 9999. %

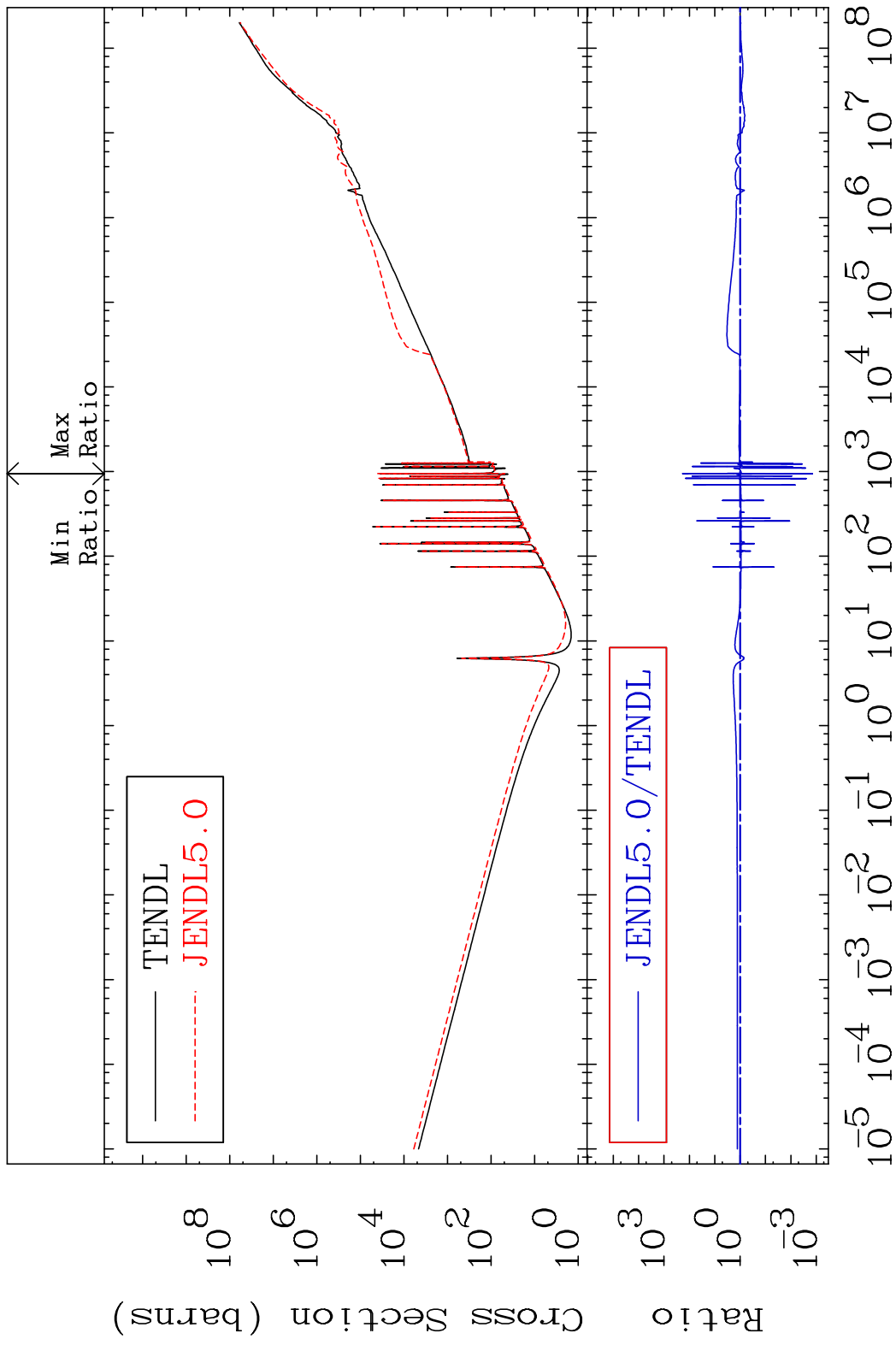


44

Incident Energy (eV)

50-Sn-119

MAT 5046 Kerma total (eV-barns) 50-Sn-119
 Cross Section -99.86 To 9999. %



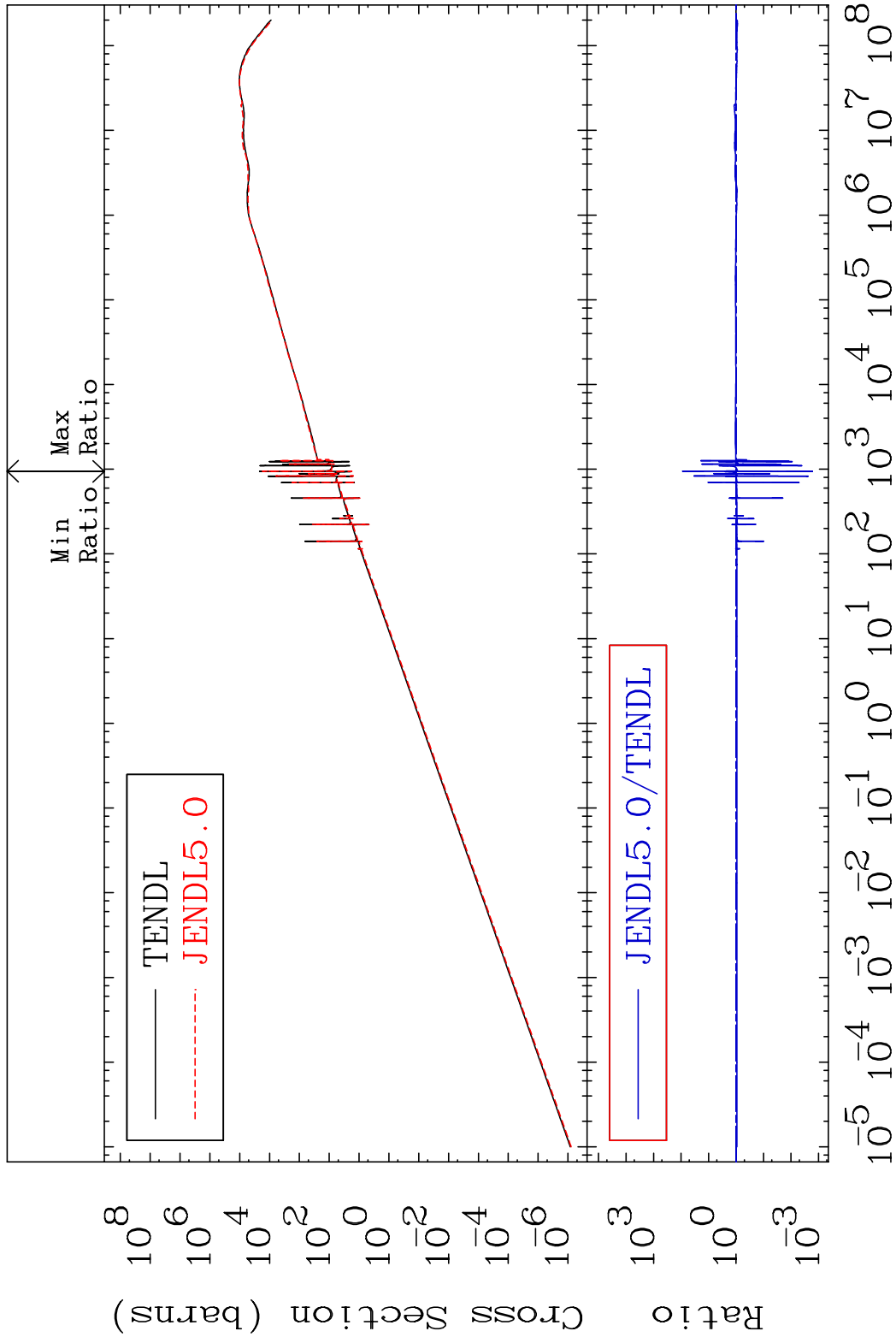
45 Incident Energy (eV) 50-Sn-119

MAT 5046

Kerma elastic

50-Sn-119

Cross Section -99.84 To 8872. %

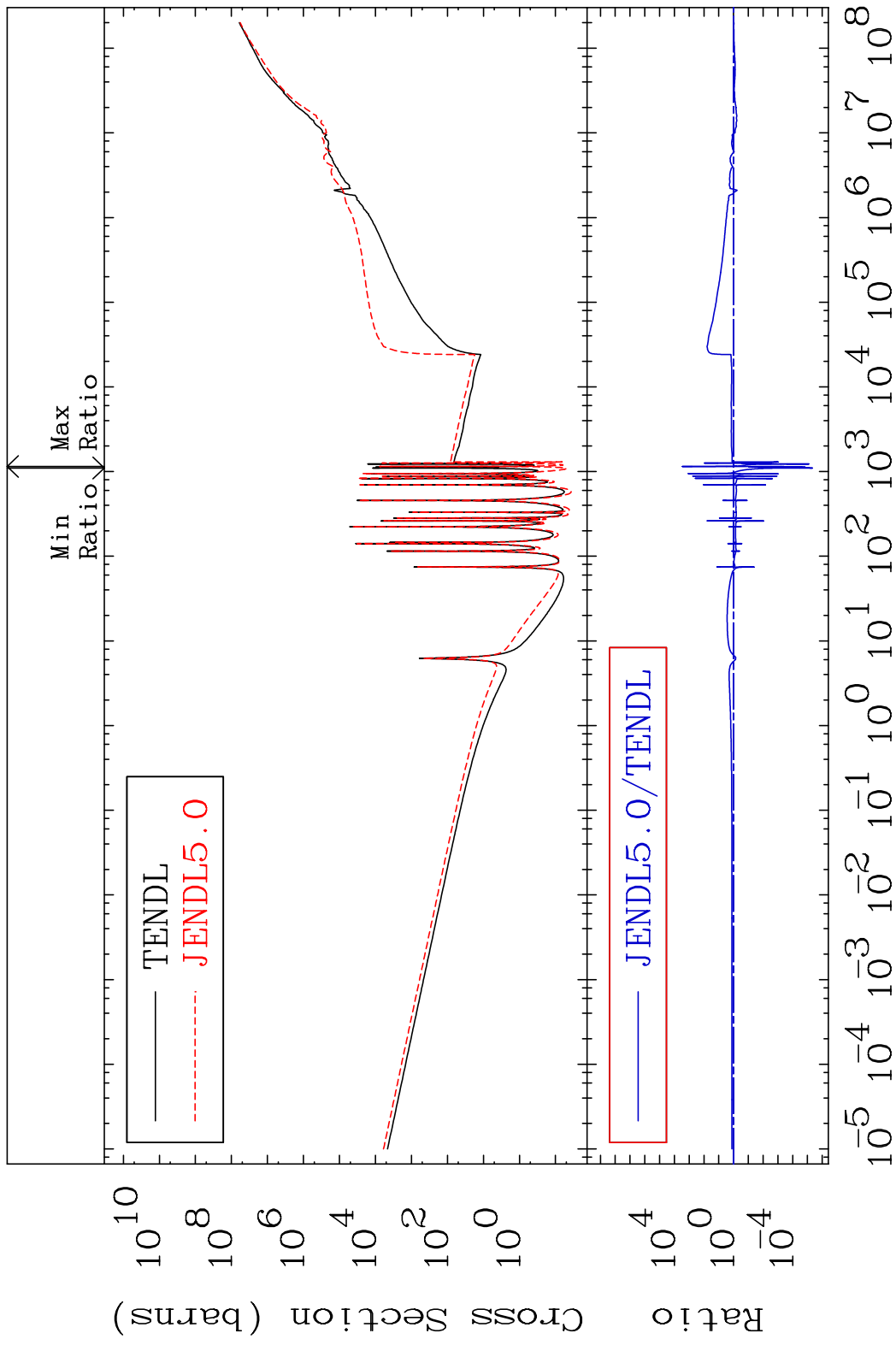


46

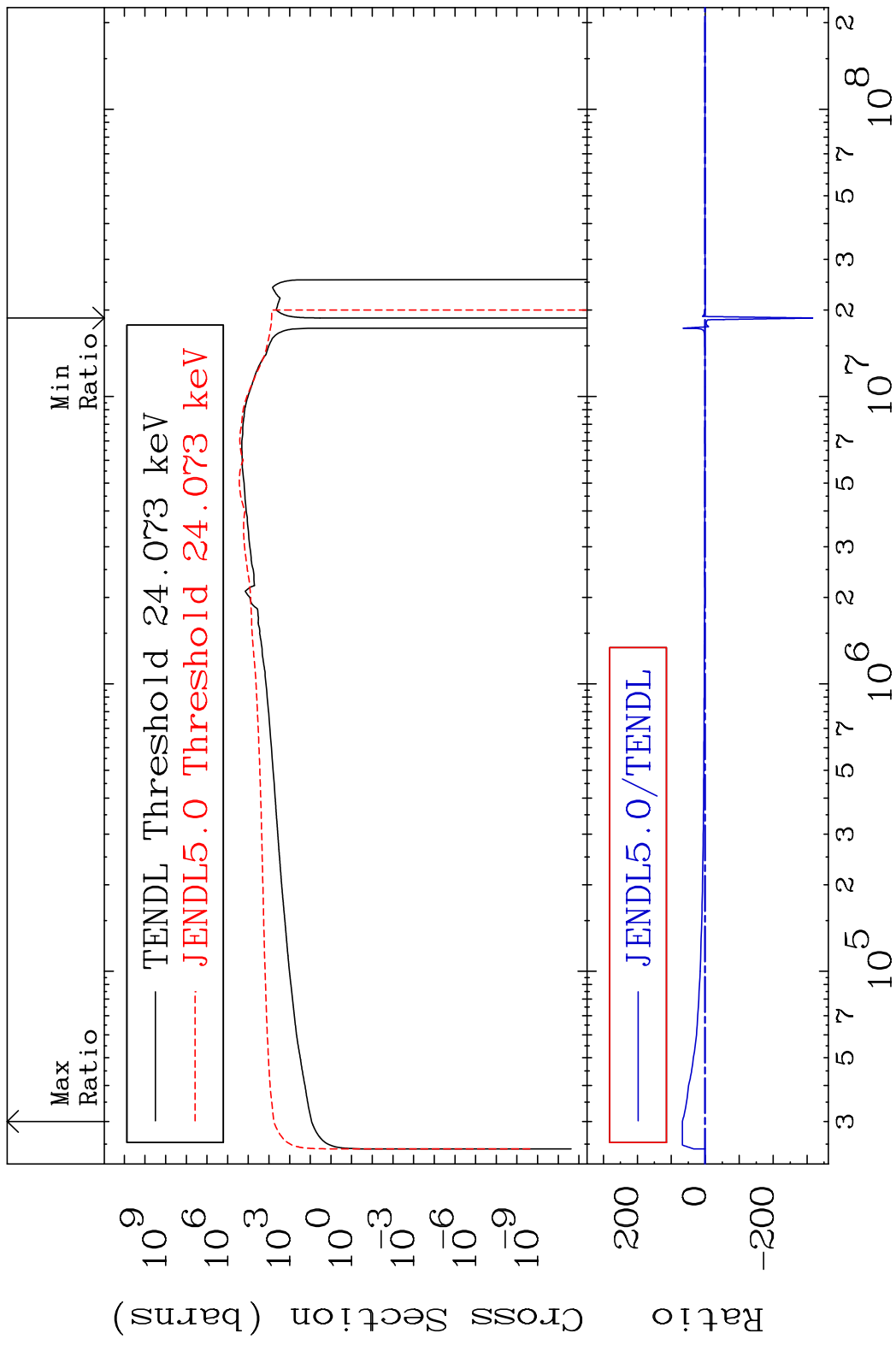
Incident Energy (eV)

50-Sn-119

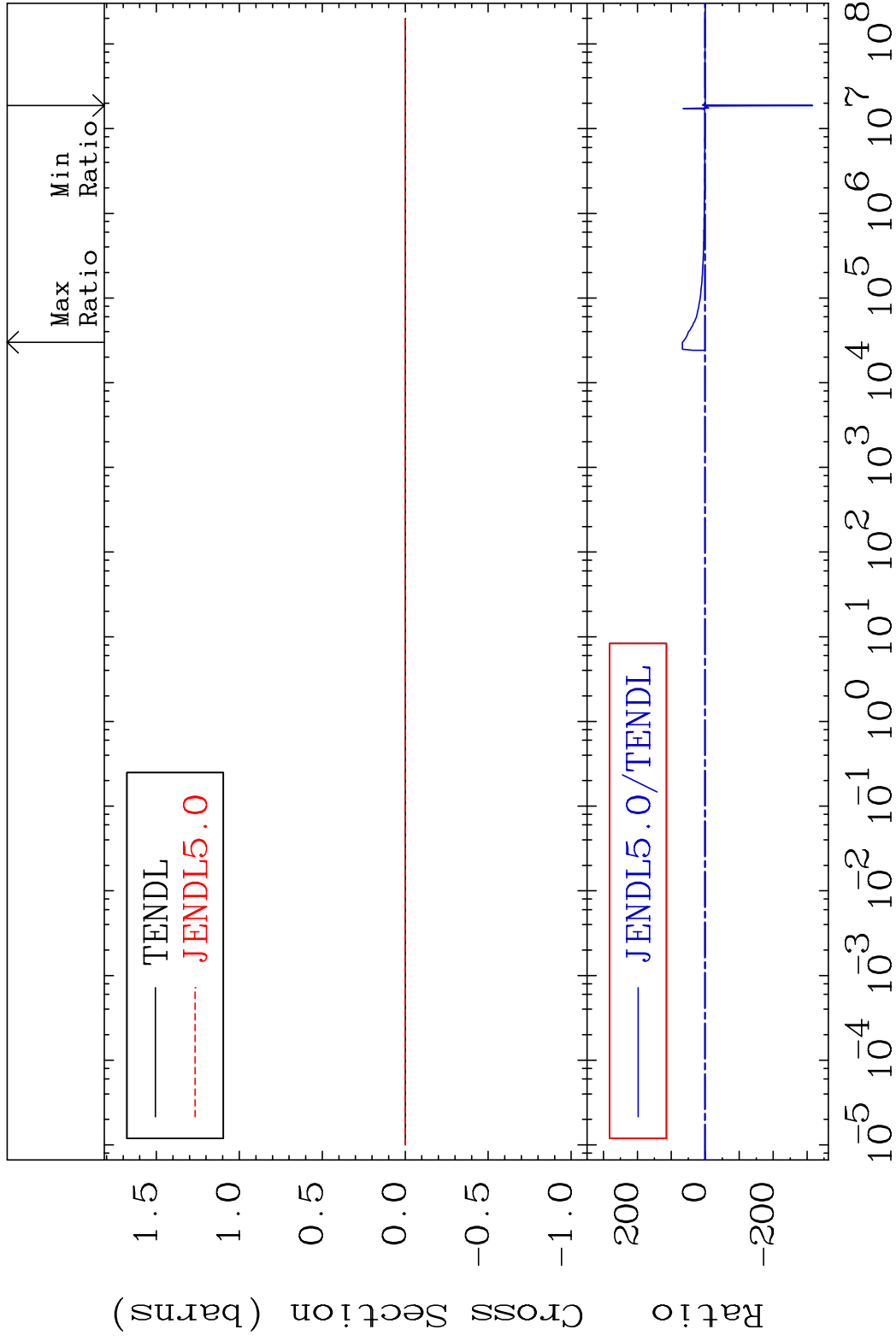
MAT 5046 Kerma non-elastic (all but mt2) 50-Sn-119
 Cross Section -100.0 To 9999. %



MAT 5046 Kerma inelastic (mt51-91) 50-Sn-119
 Cross Section -9999. To 6648. %



MAT 5046 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-119
 Cross Section -9999. To 6648. %

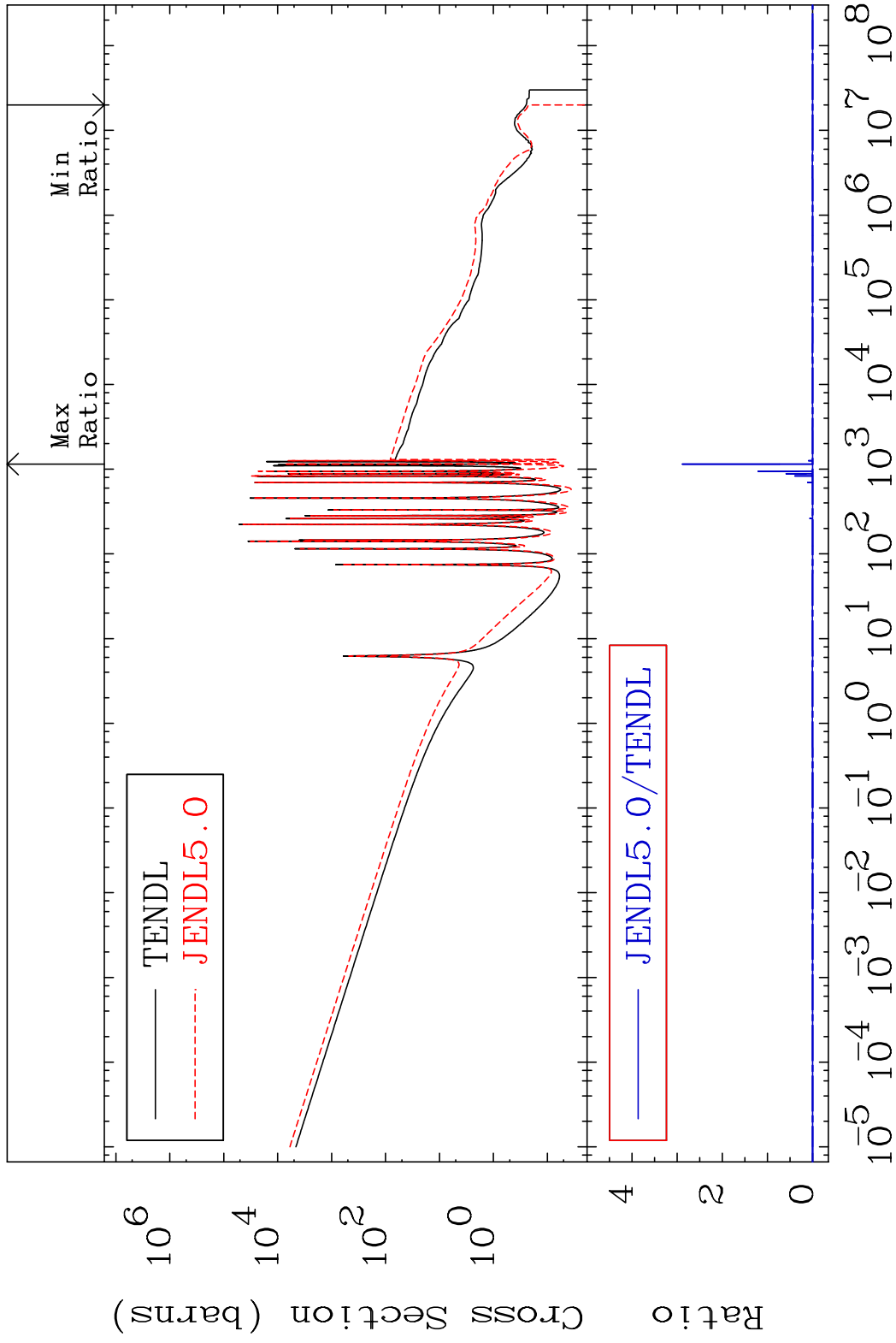


MAT 5046

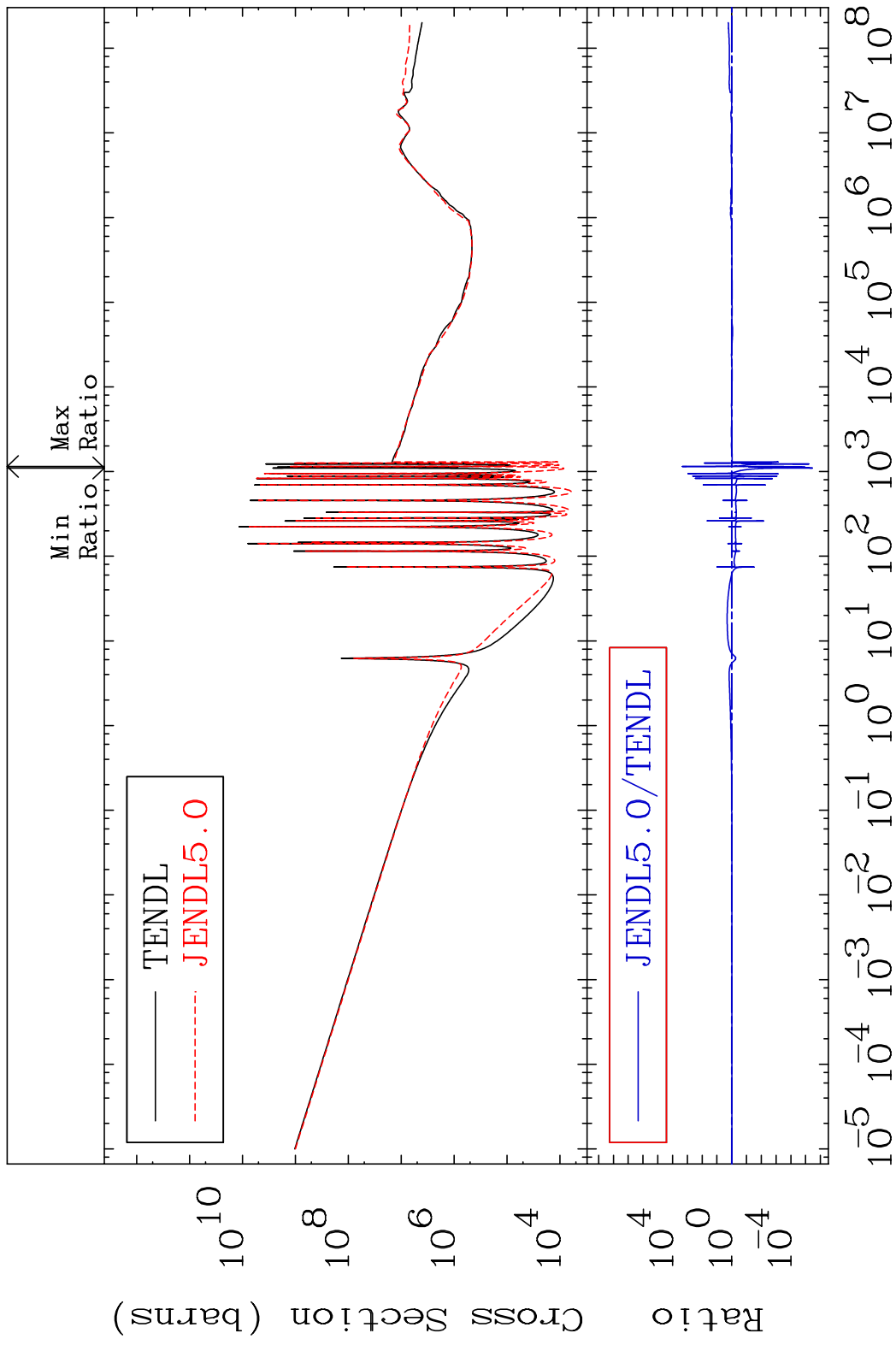
Kerma capture (mt102)

50-Sn-119

Cross Section -100.0 To 9999. %

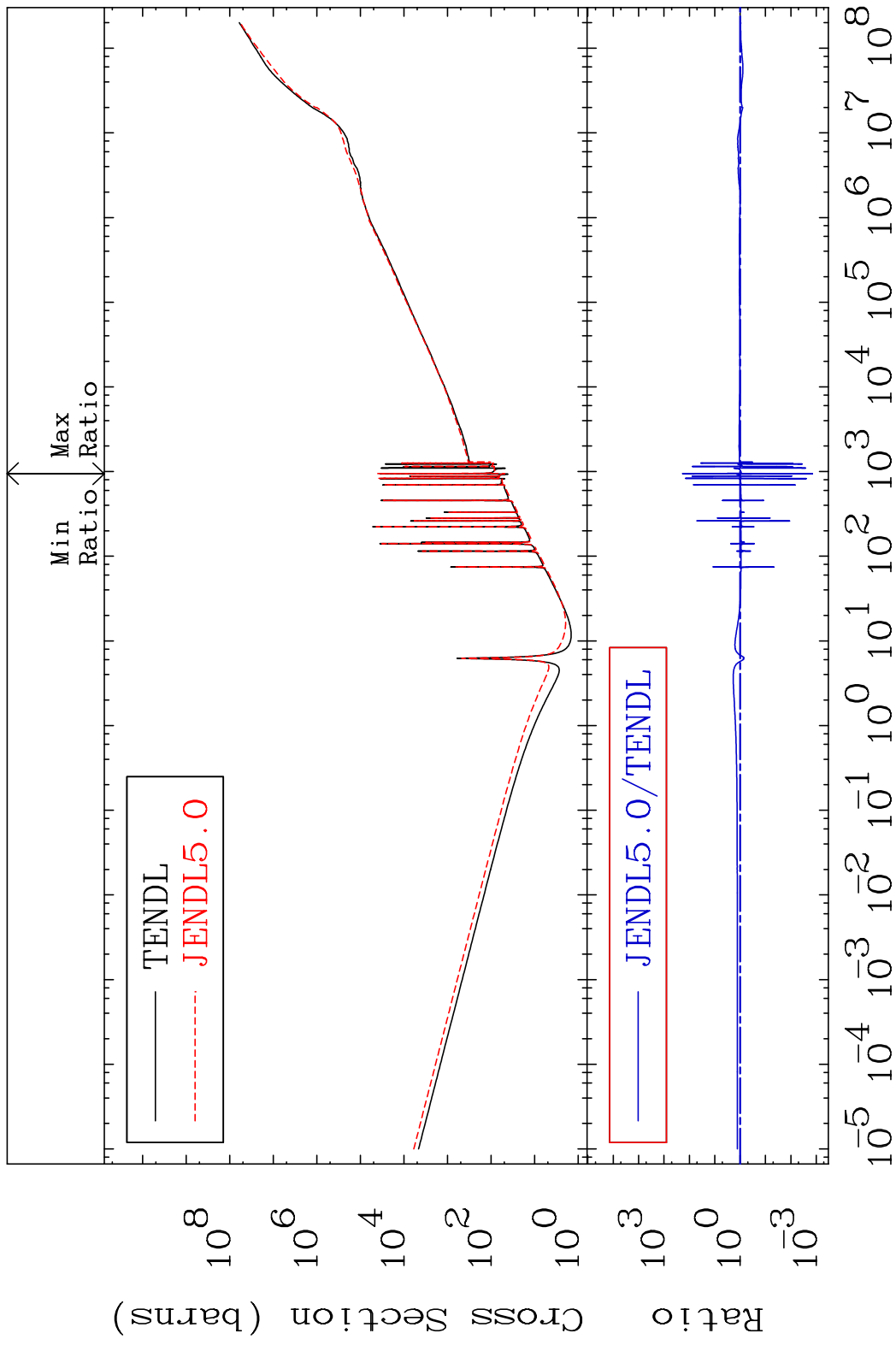


MAT 5046 Total photon (eV-barns) 50-Sn-119
 Cross Section -100.0 To 9999. %

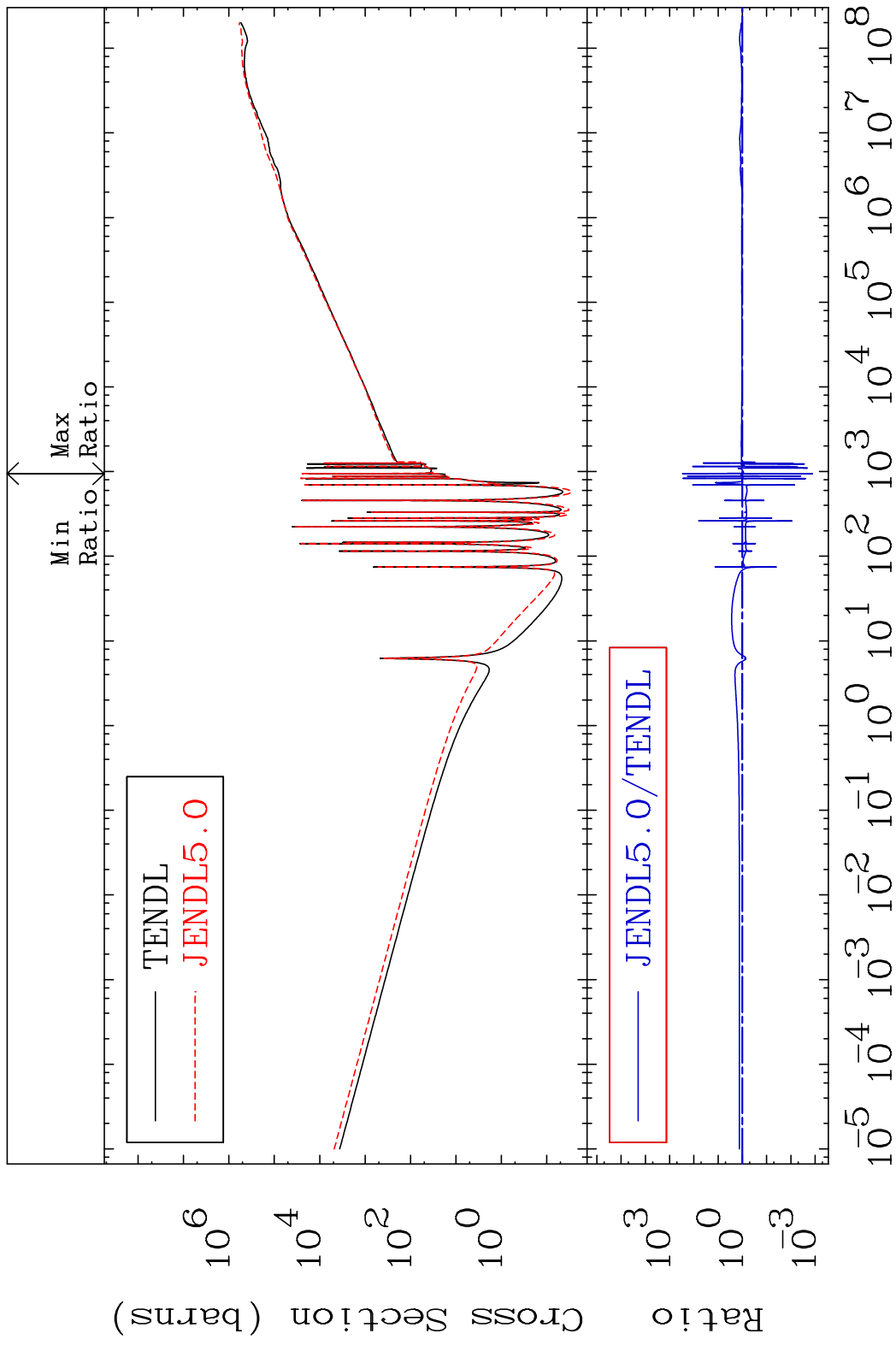


51 Incident Energy (eV) 50-Sn-119

MAT 5046 Total kinematic kerma (high limit) 50-Sn-119
 Cross Section -99.86 To 9999. %



MAT 5046 Dpa total (eV-barns) 50-Sn-119
 Cross Section -99.87 To 9999. %

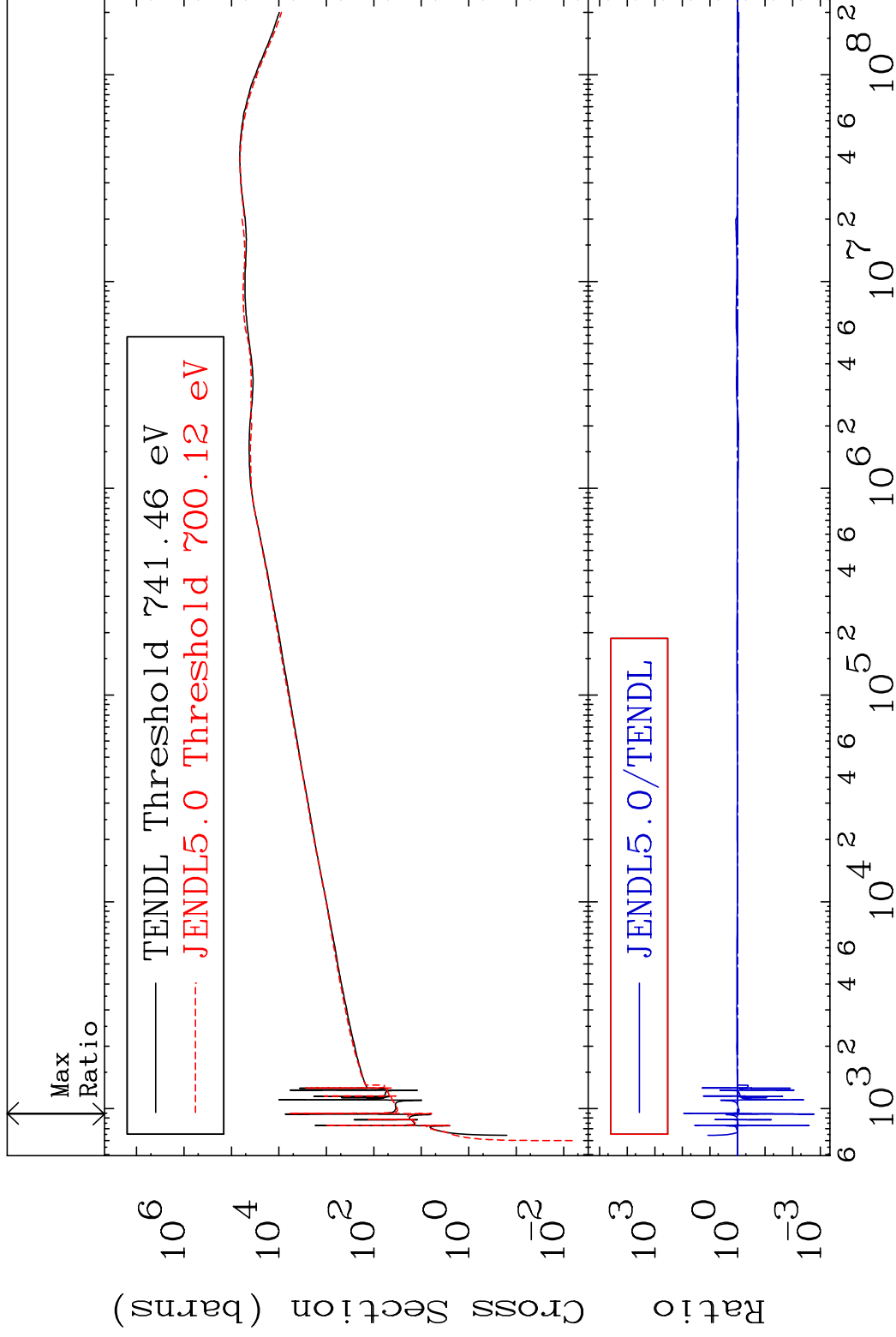


MAT 5046

Dpa elastic (mt2)

50-Sn-119

Cross Section -99.83 To 8910. %

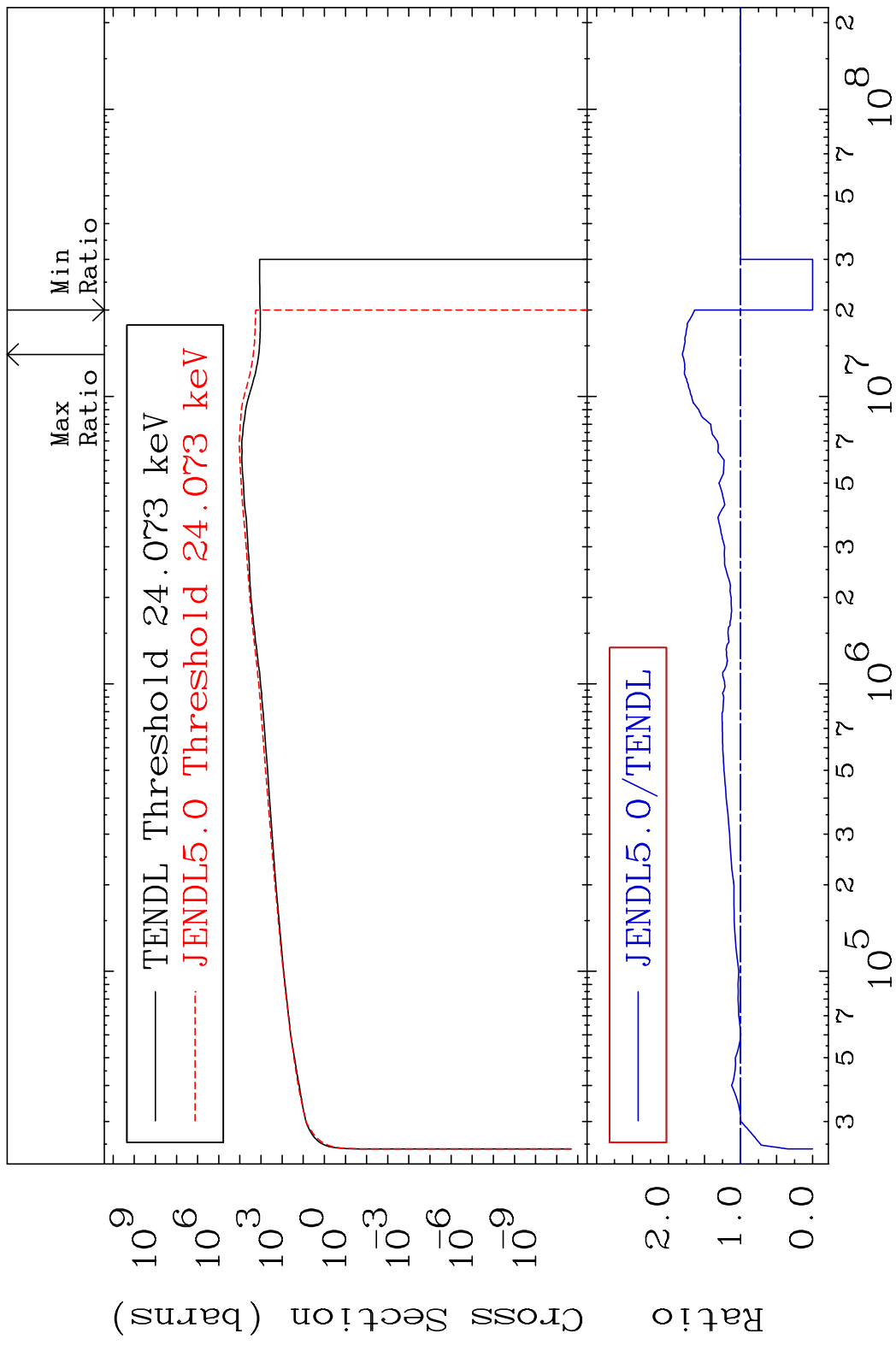


54

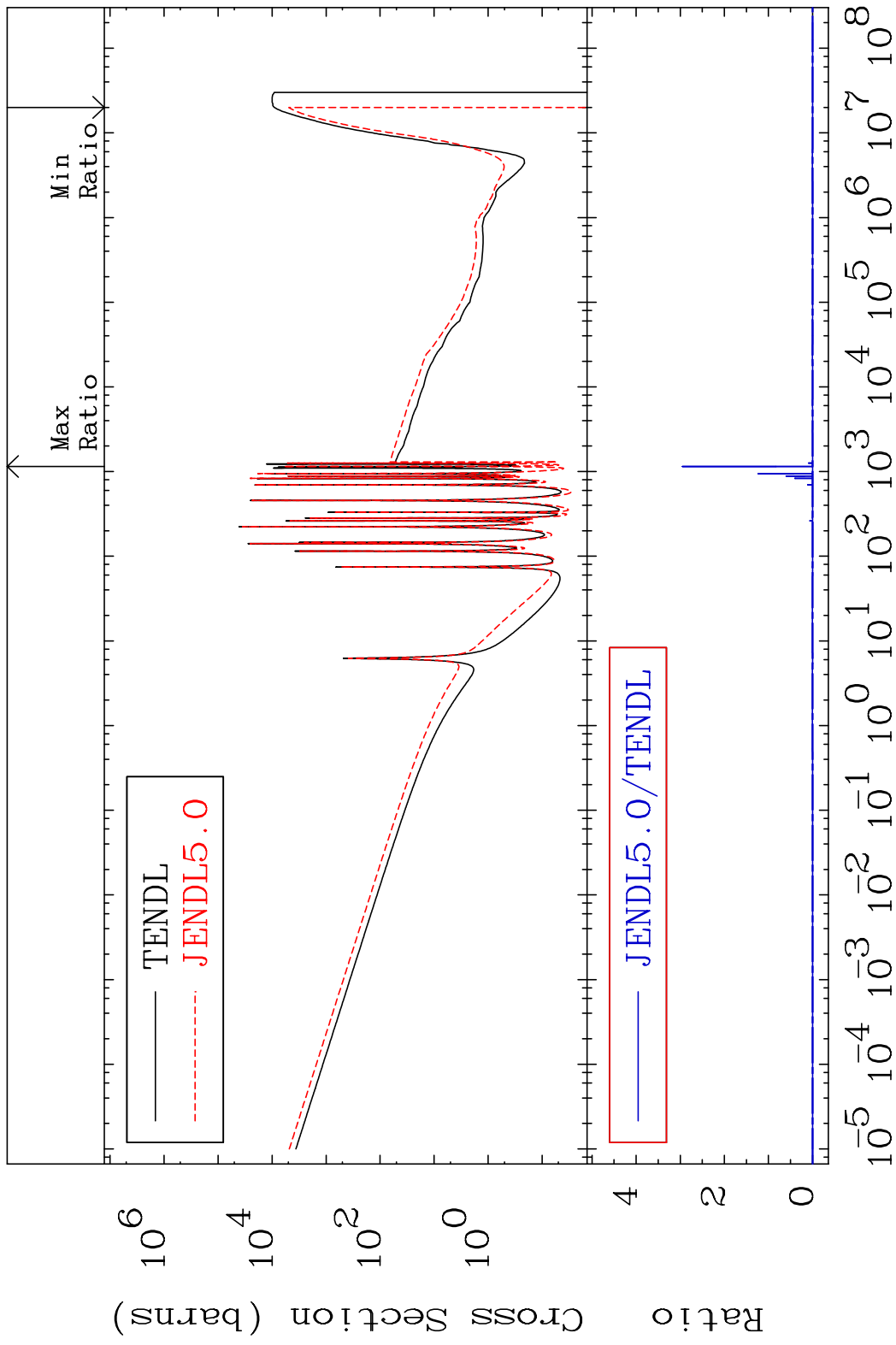
Incident Energy (eV)

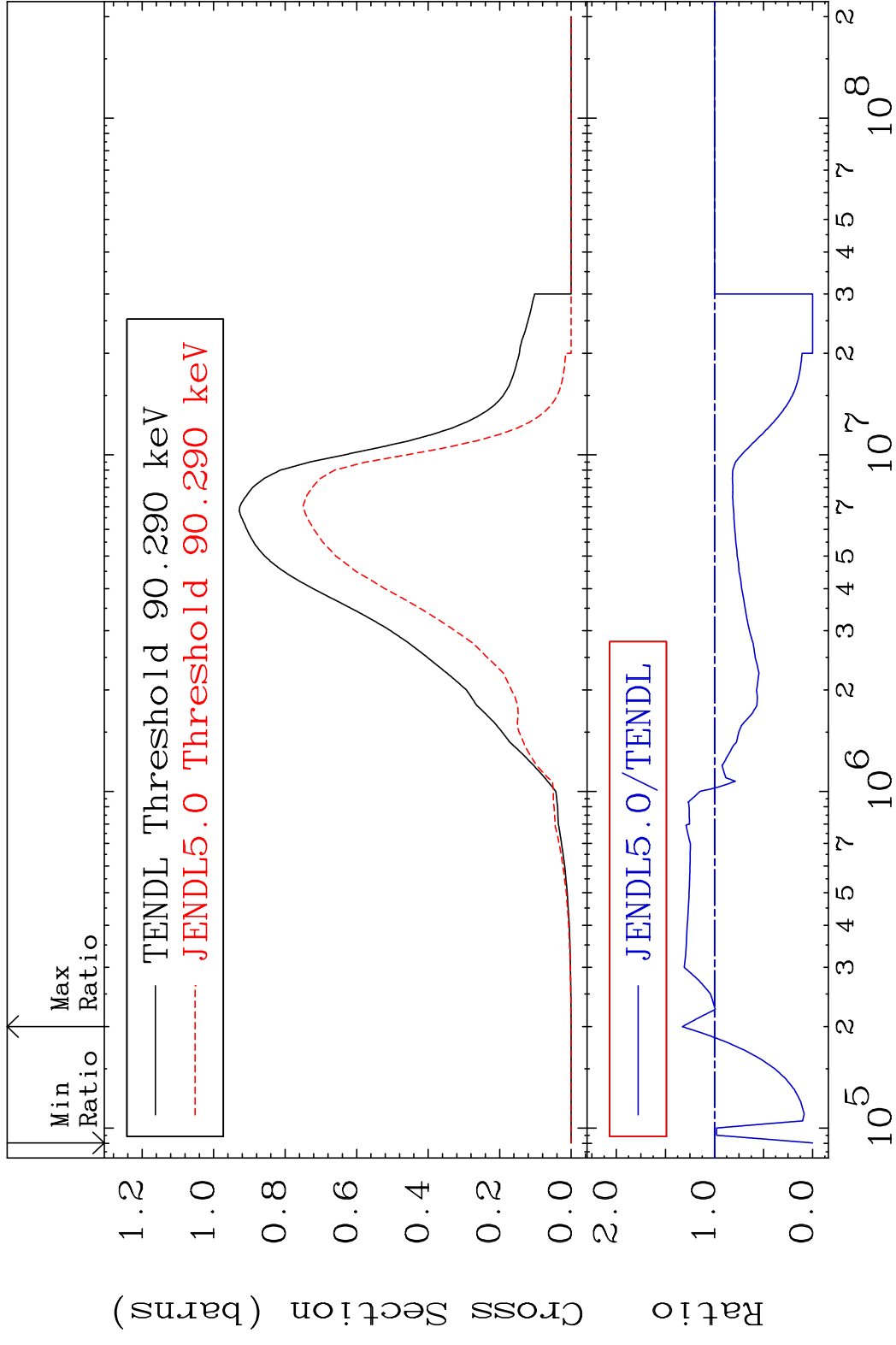
50-Sn-119

MAT 5046 Dpa inelastic (mt51-91) 50-Sn-119
 Cross Section -100.0 To 80.82 %

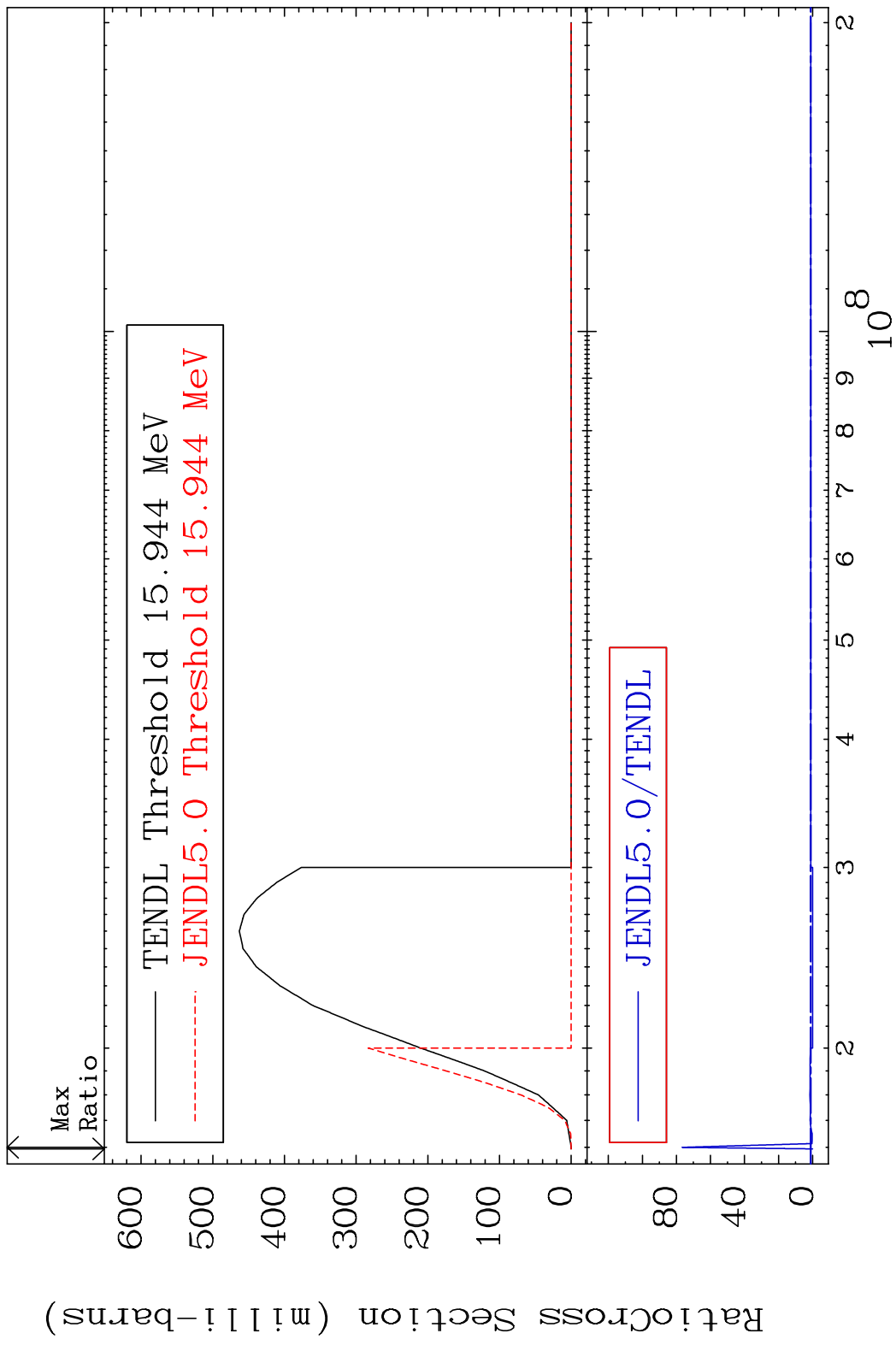


MAT 5046 Dpa disappearance (mt102 -120) 50-Sn-119
 Cross Section -100.0 To 9999. %

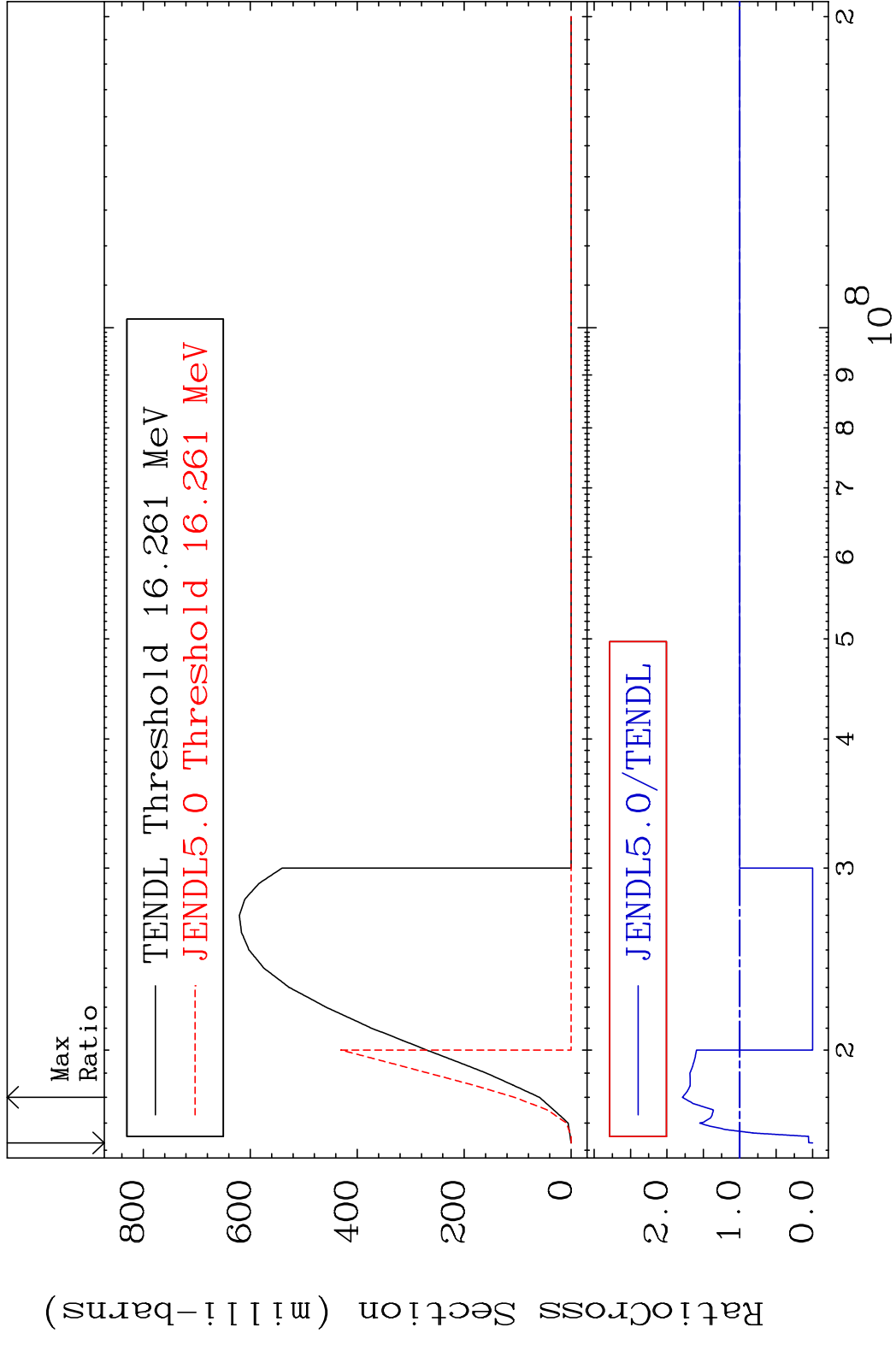




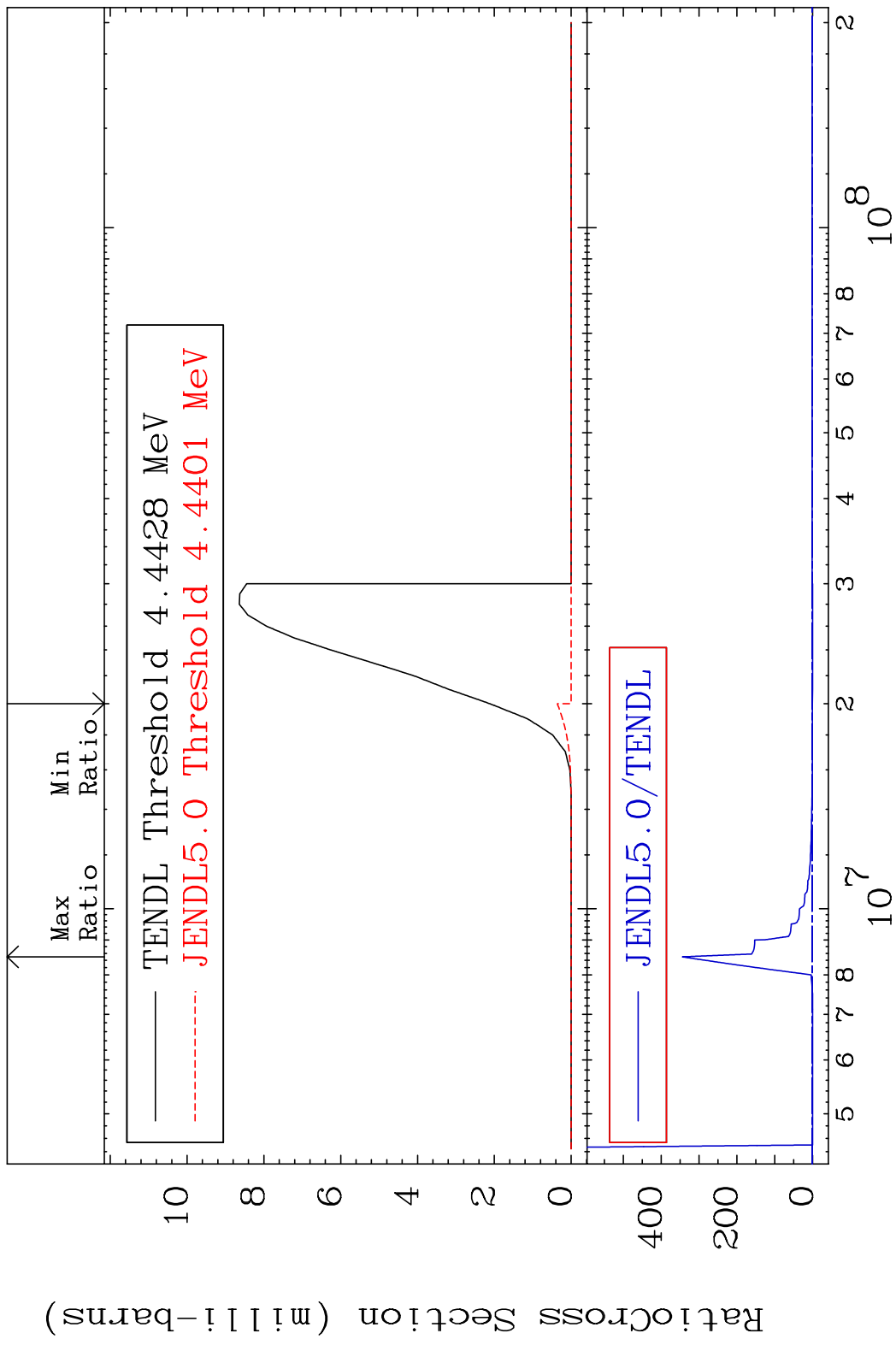
MAT 5046 (n,3n):50-Sn-117g 50-Sn-119
 Radionuclide Production Cross Section Ratio 7551. %

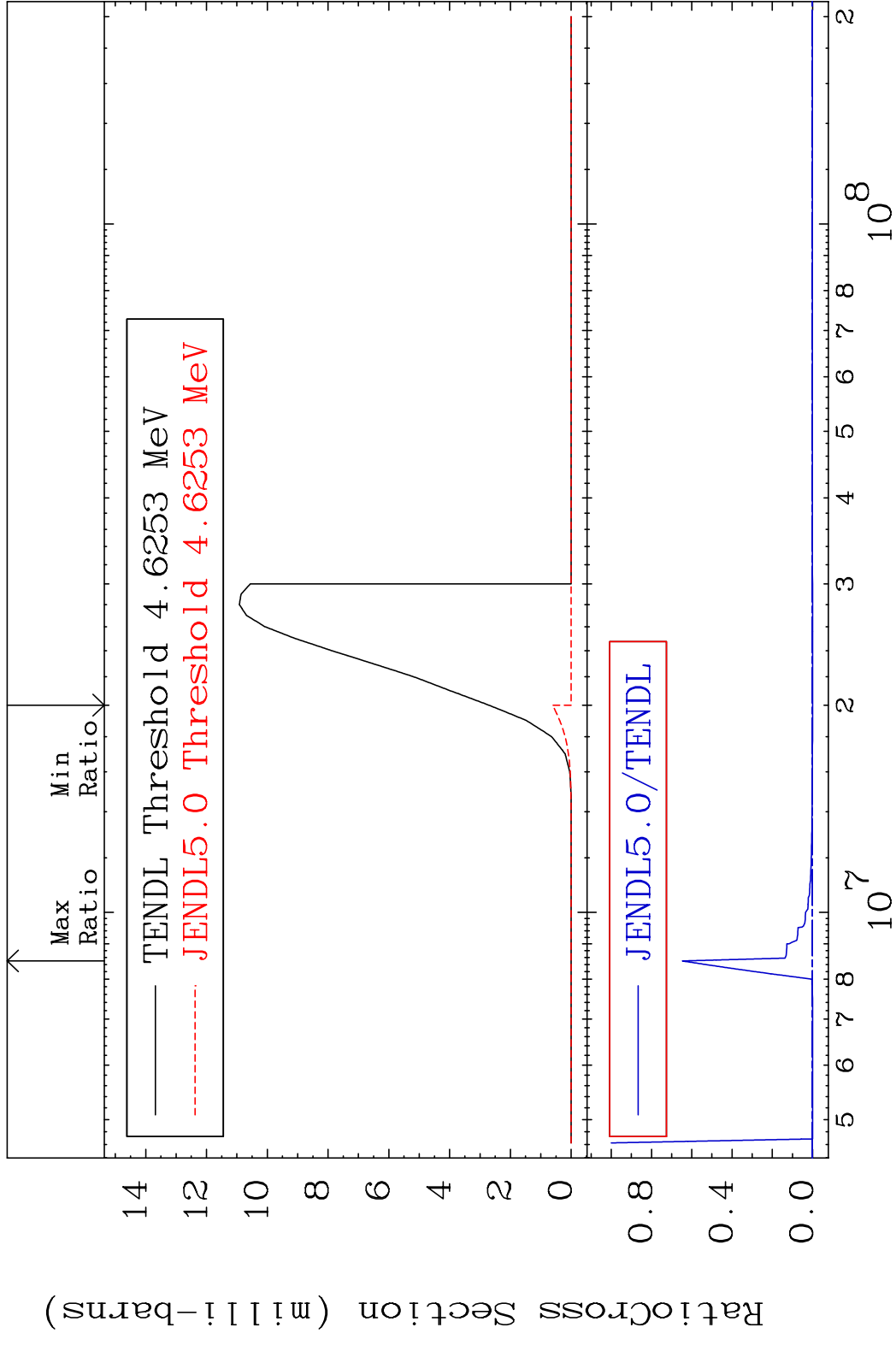


MAT 5046 (n, 3n):50-Sn-117m2 50-Sn-119
 Radionuclide Production Cross Section to 78.81 %

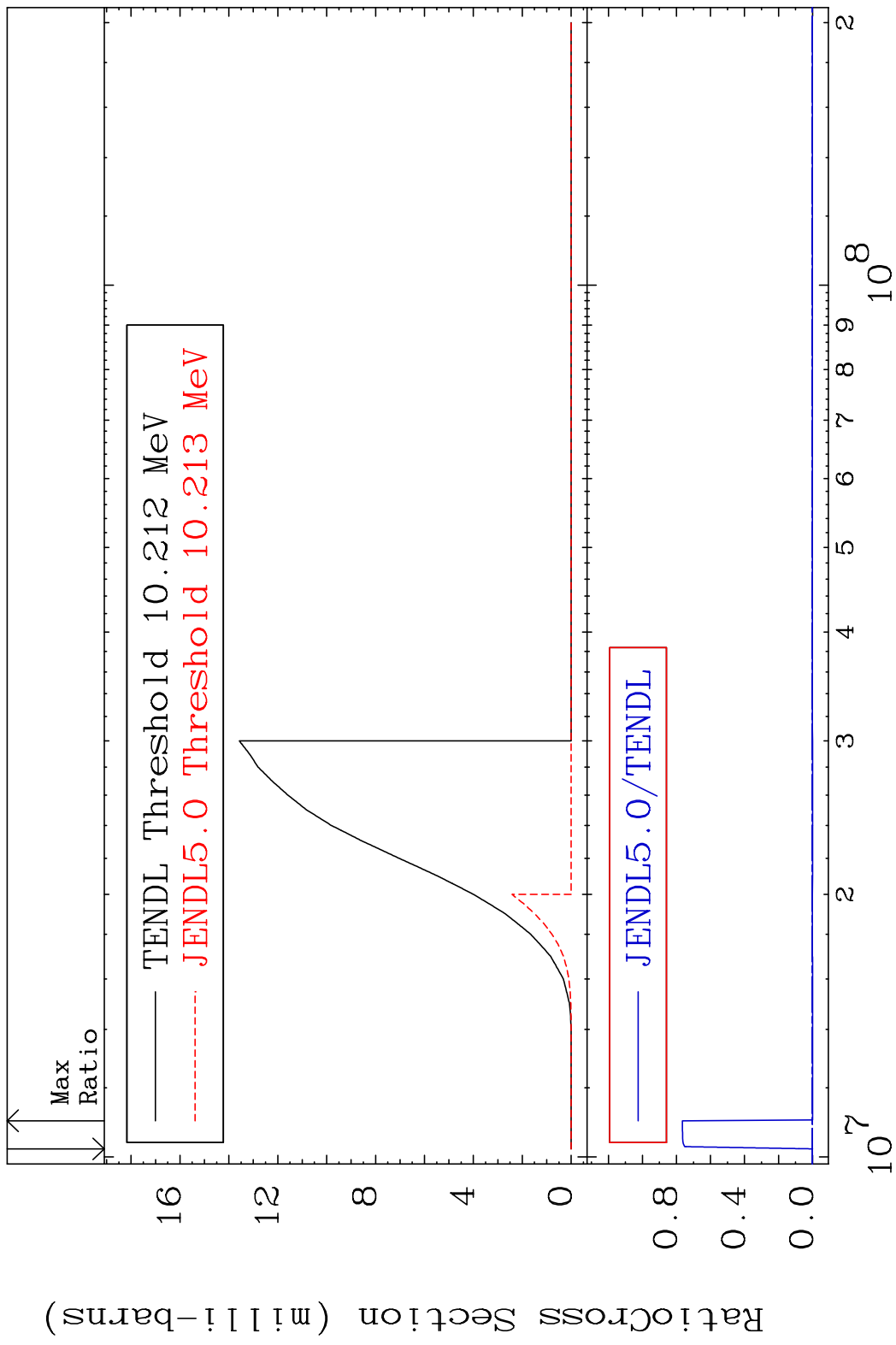


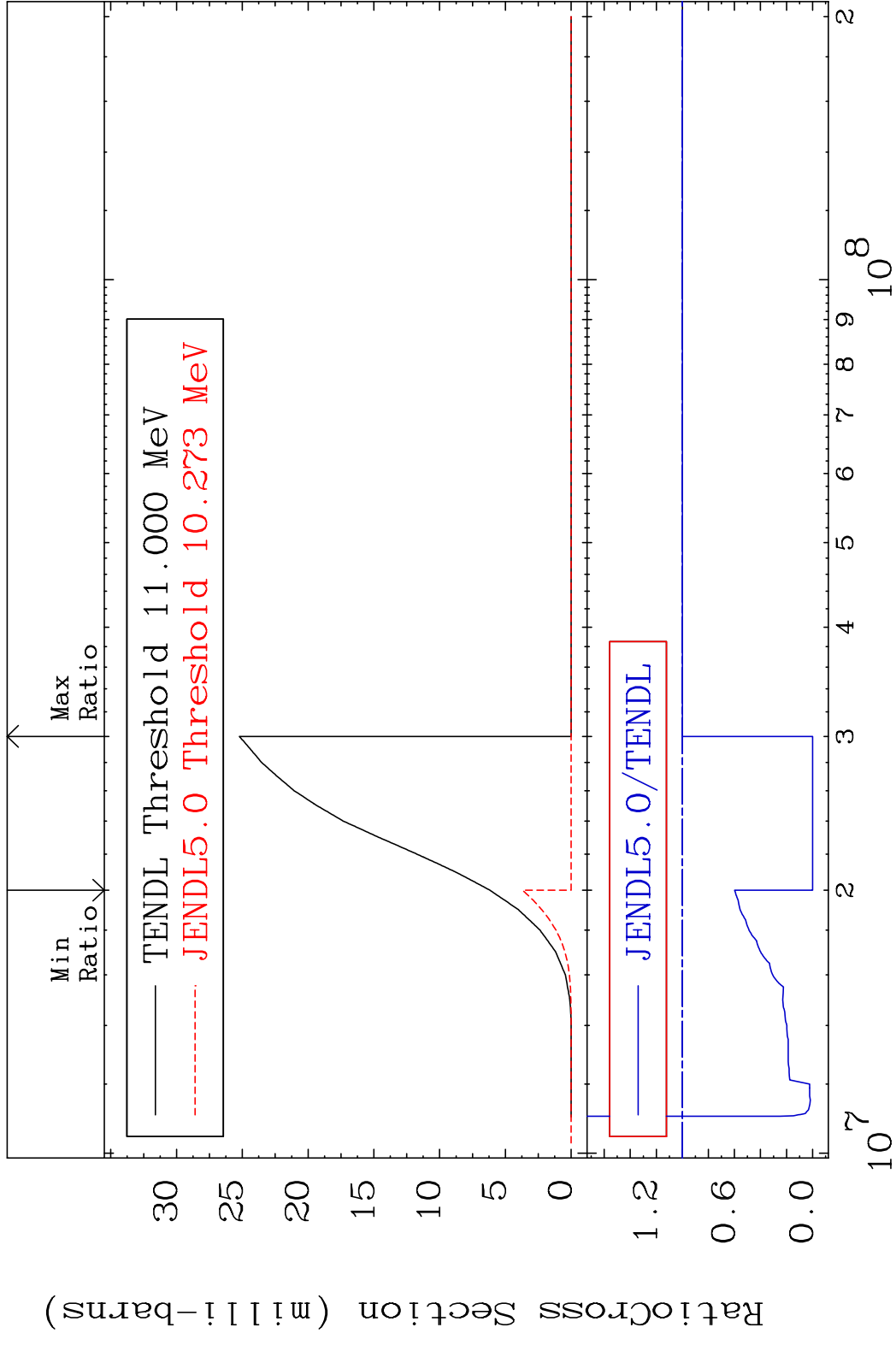
MAT 5046 (n, n') α :48-Cd-115g 50-Sn-119
 Radionuclide Production Cross Section to 9999. %

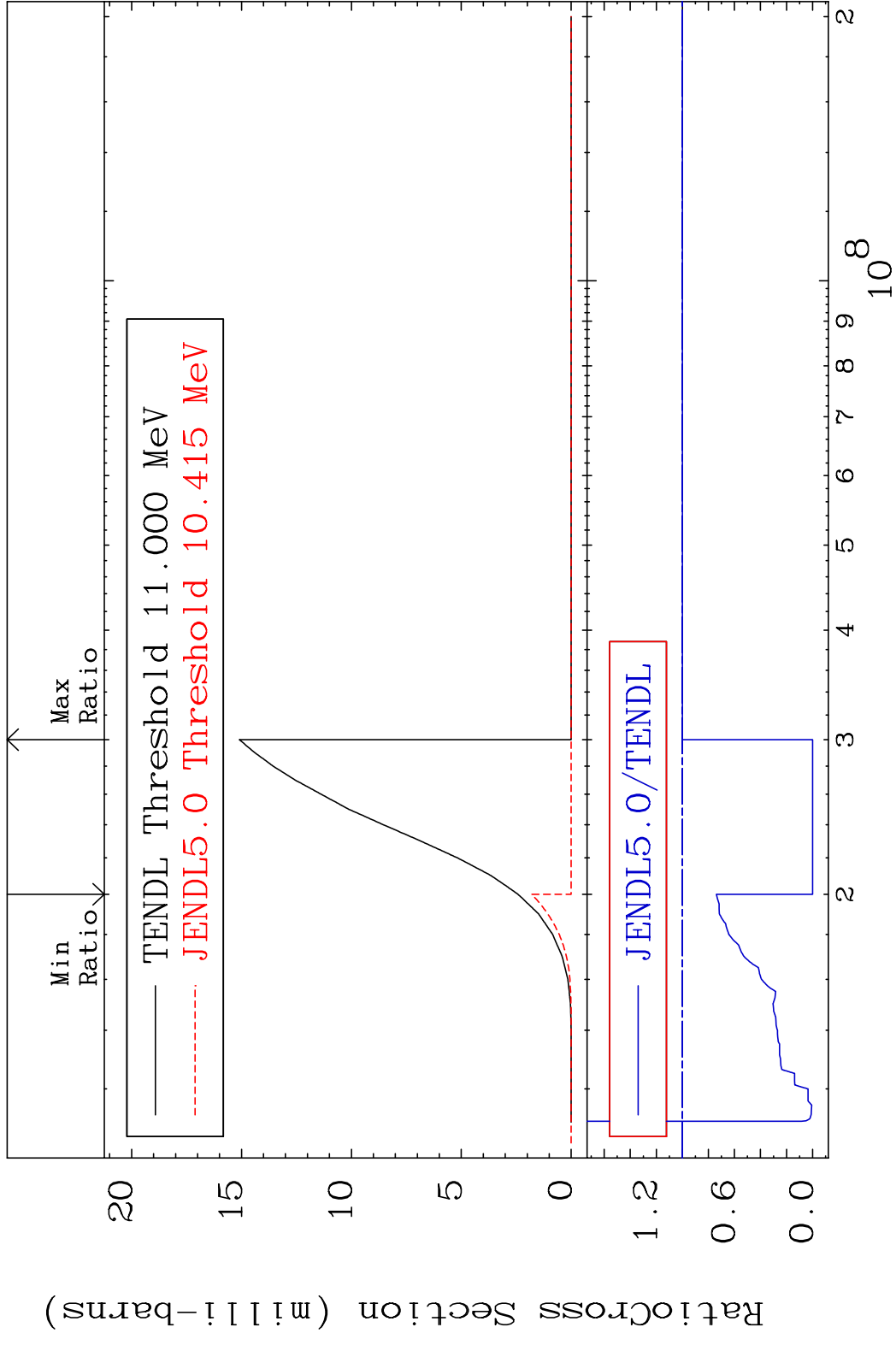




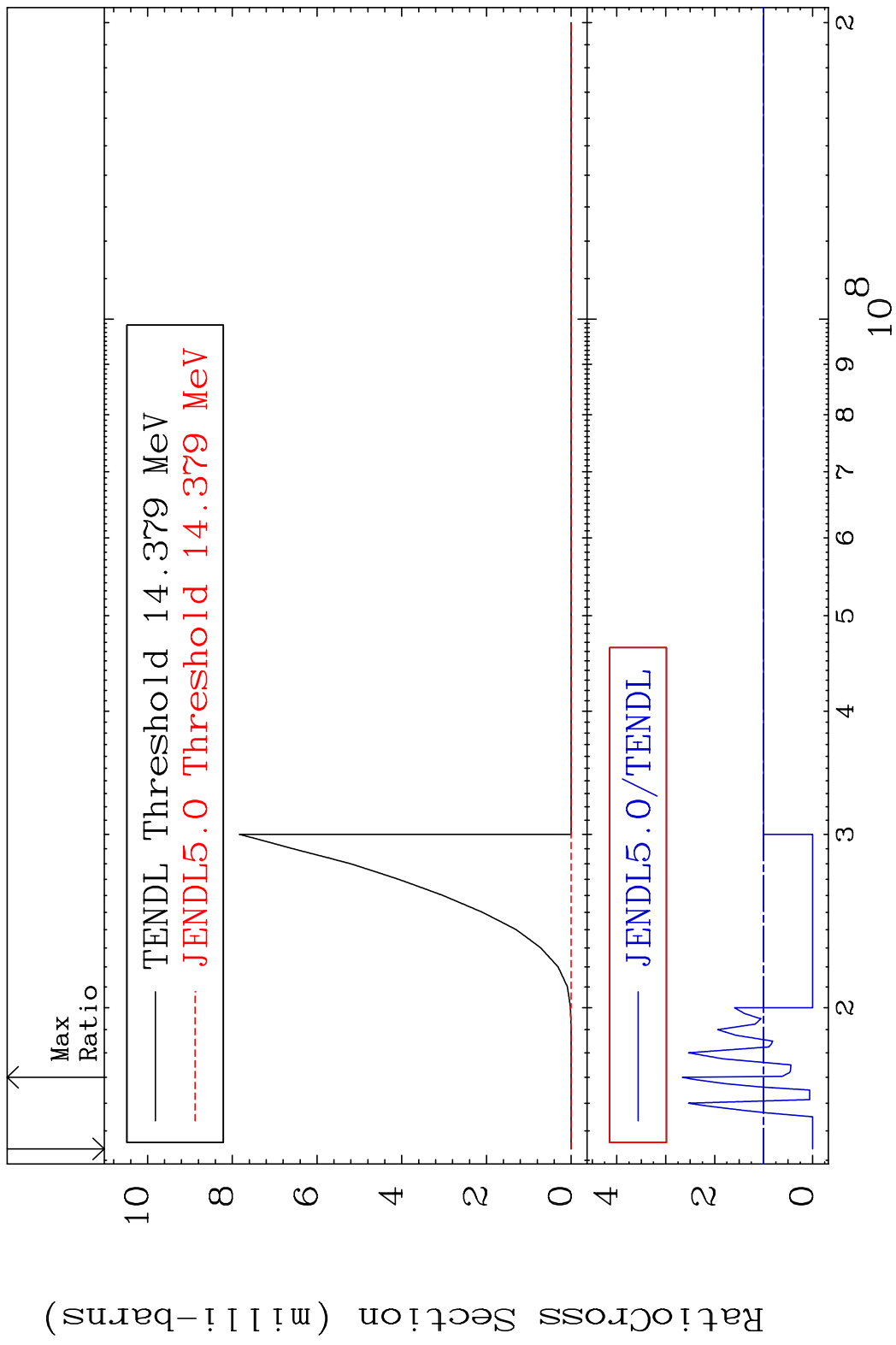
MAT 5046 (n, n') p:49-In-118g 50-Sn-119
 Radionuclide Production Cross Section to 9999. %

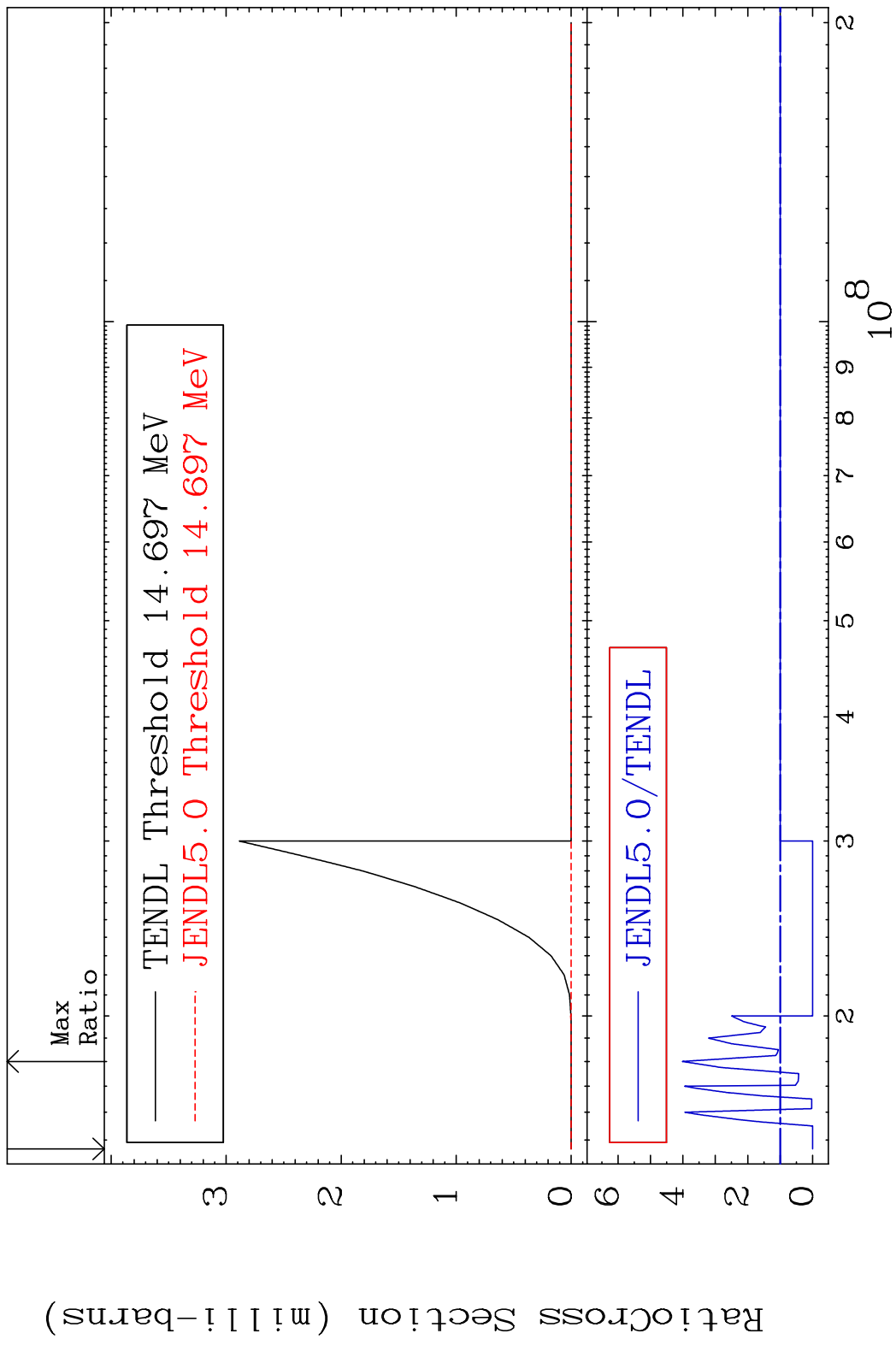


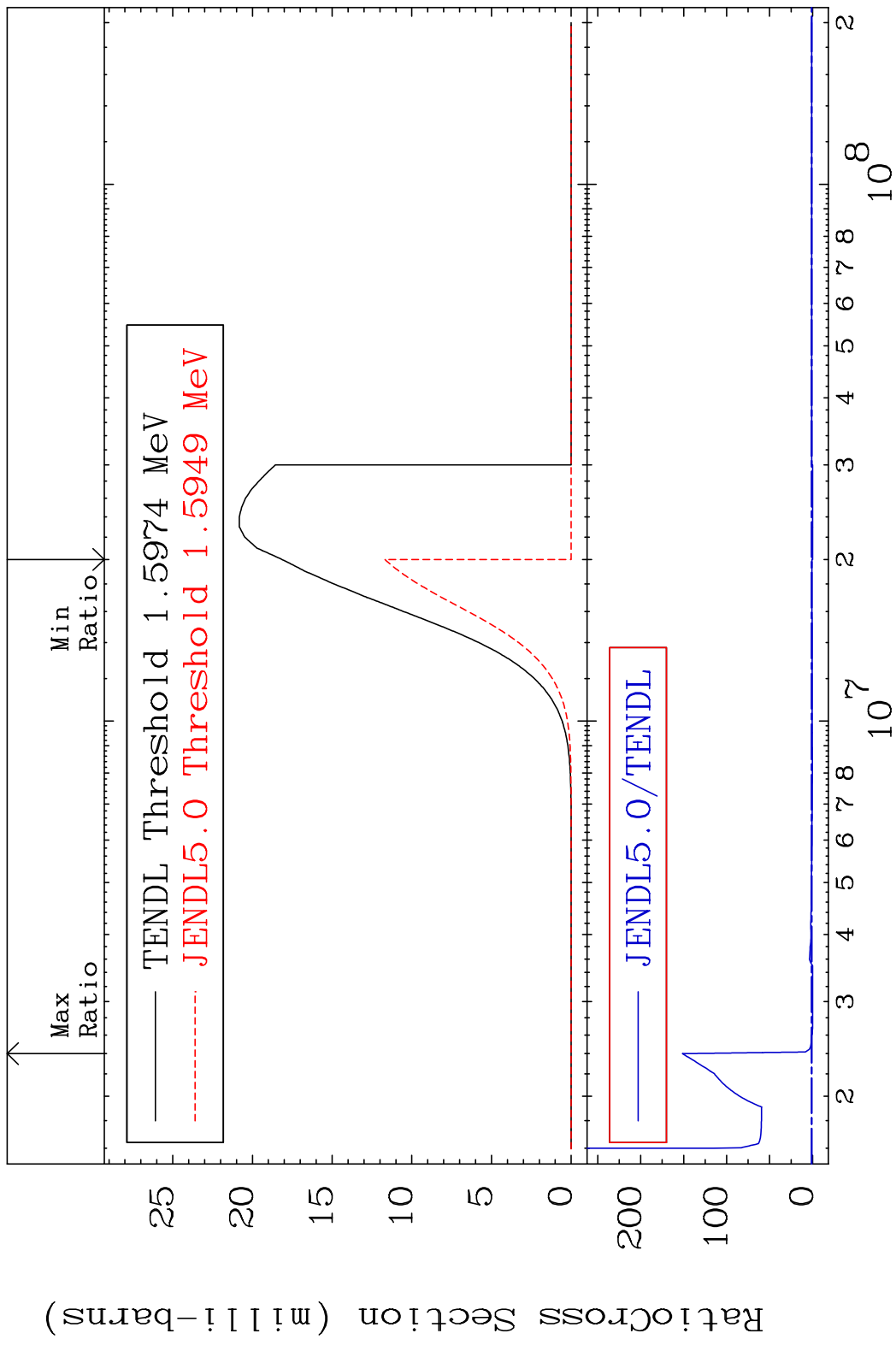


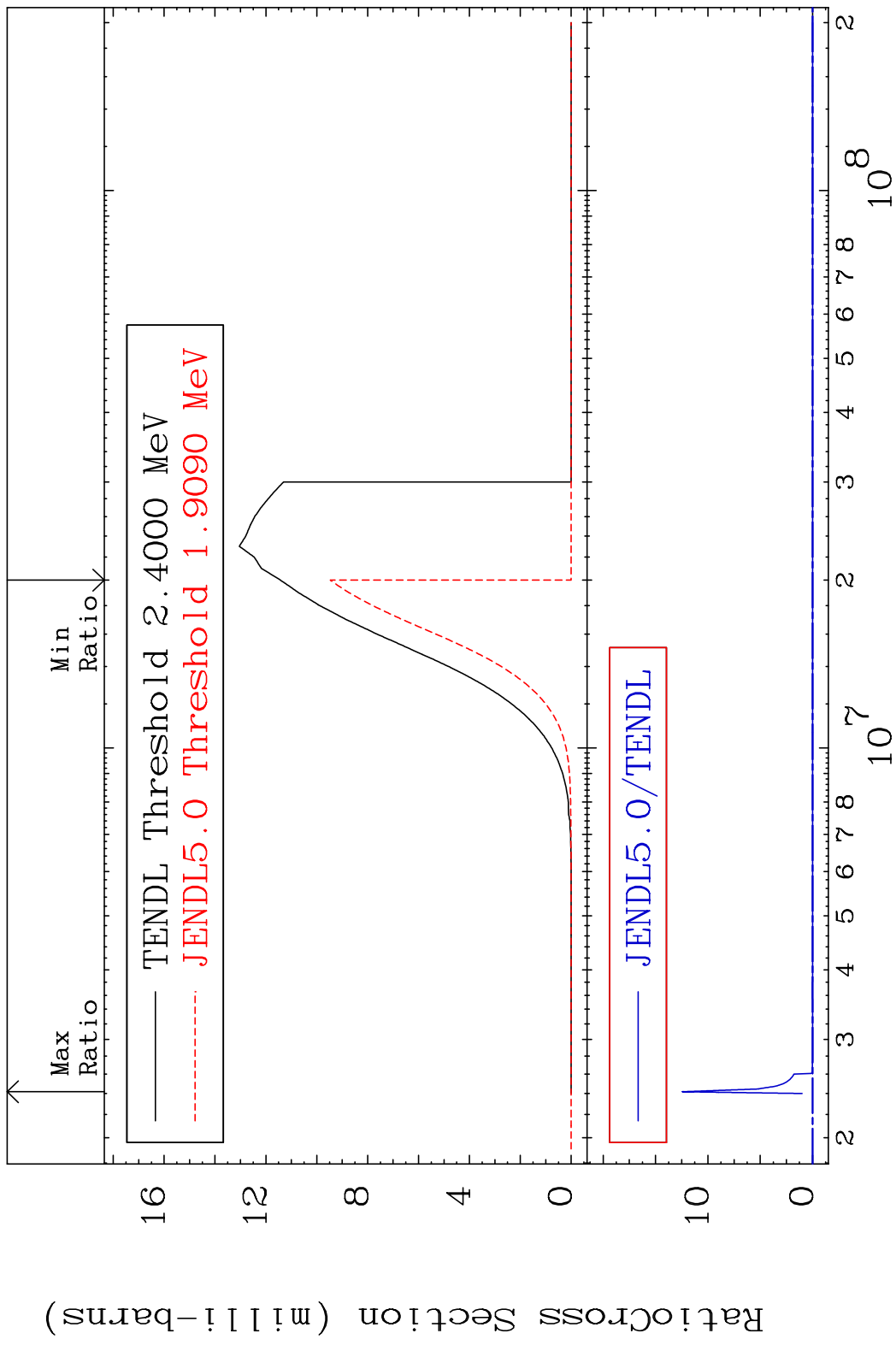


MAT 5046 (n, n') d:49-In-117g 50-Sn-119
 Radionuclide Production Cross Section 180.0 dth 166.0 %

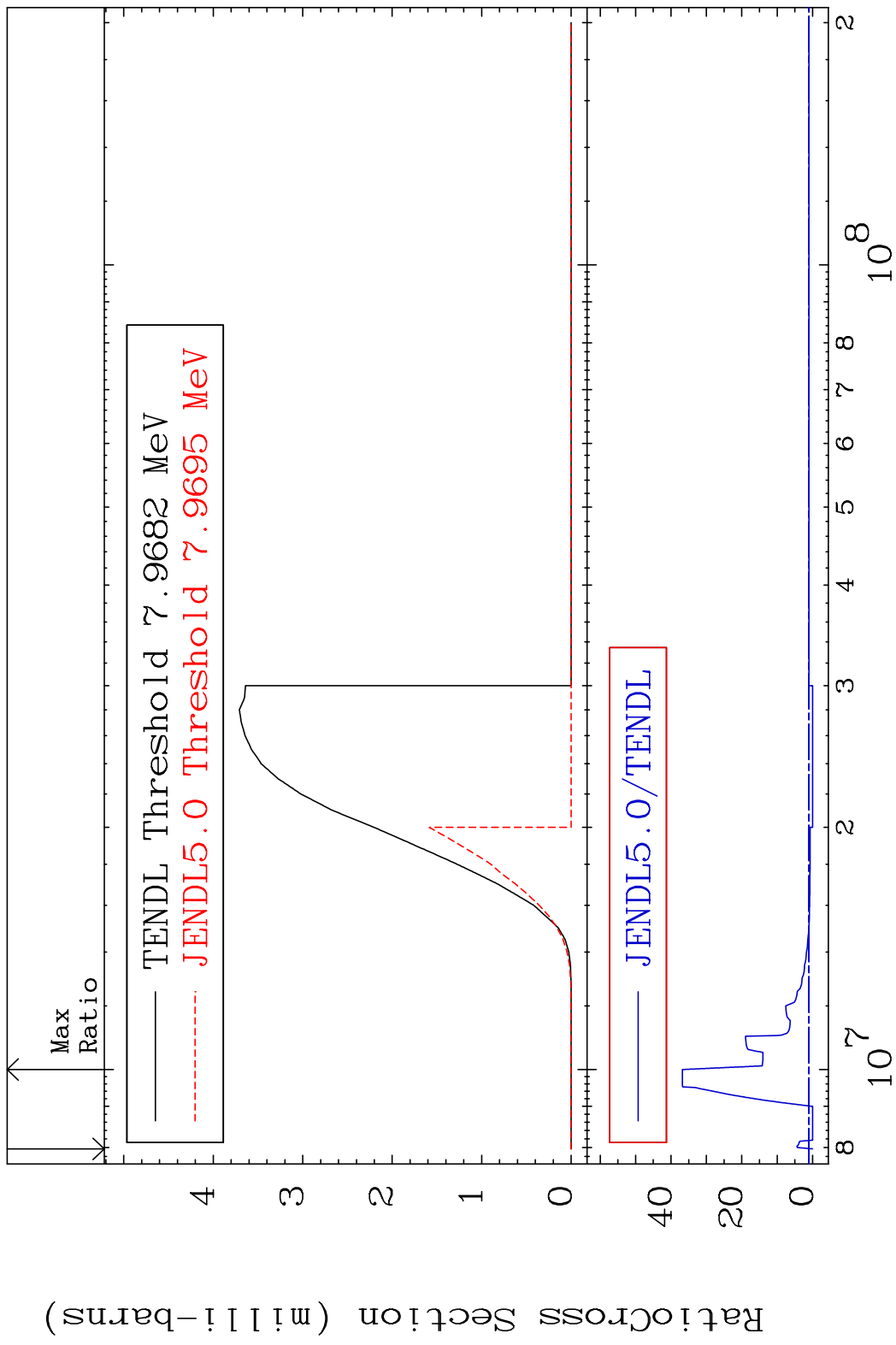




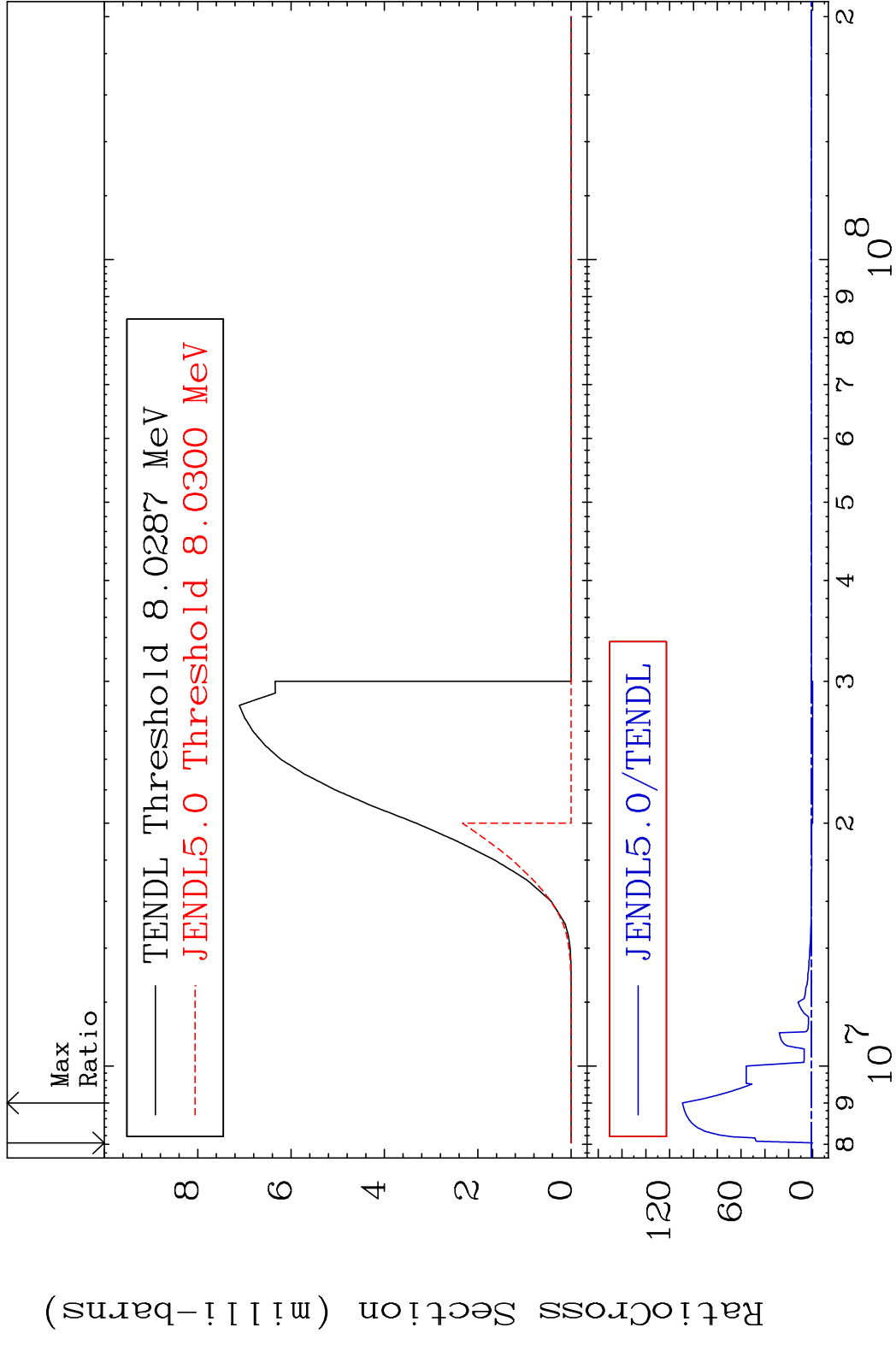




MAT 5046 (n,d):49-In-118g 50-Sn-119
 Radionuclide Production Cross Section 180.0 mb 3579. %

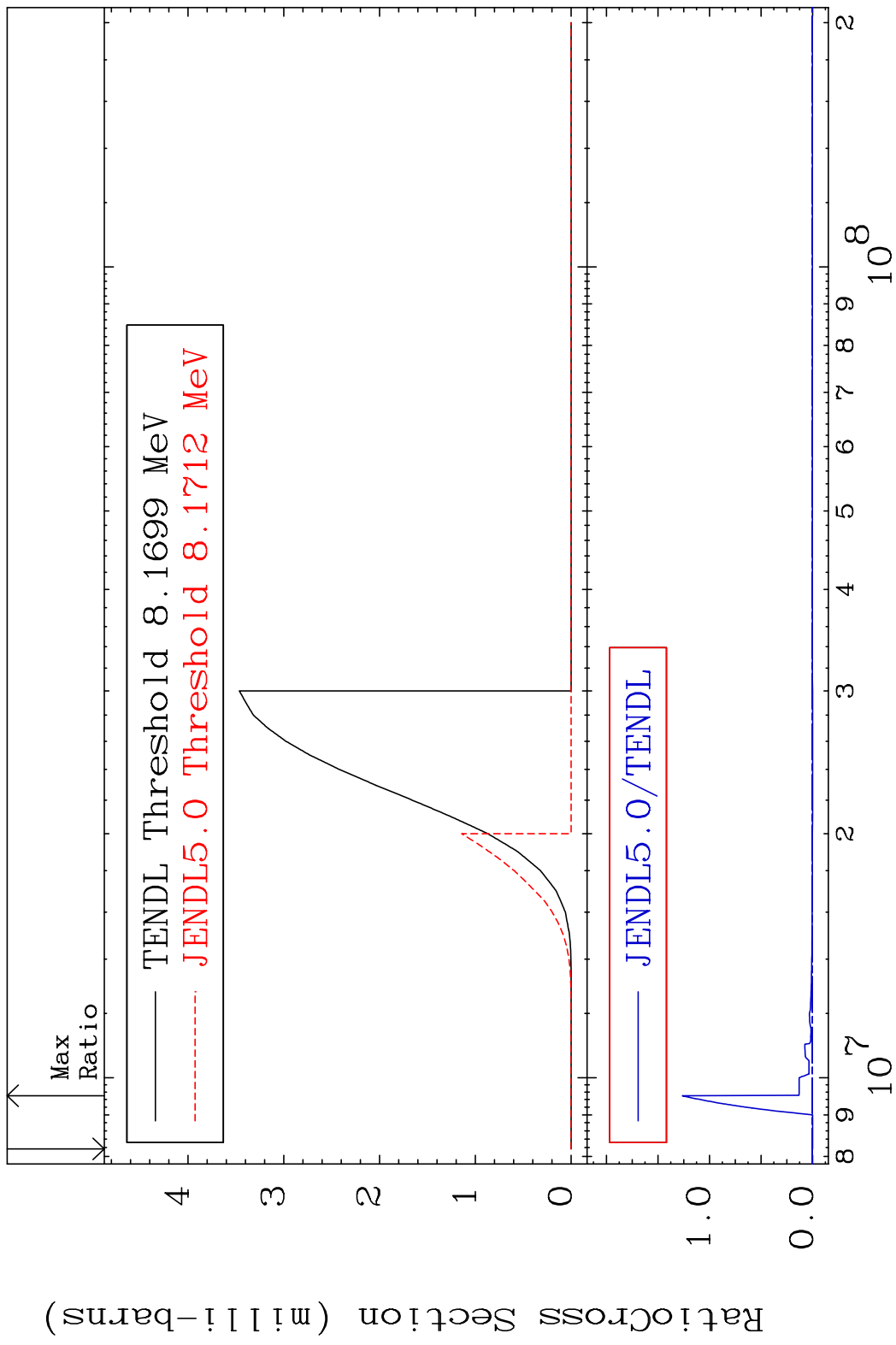


MAT 5046 (n,d):49-In-118m1 50-Sn-119
 Radionuclide Production Cross Section 100.00 %
 100.00 %

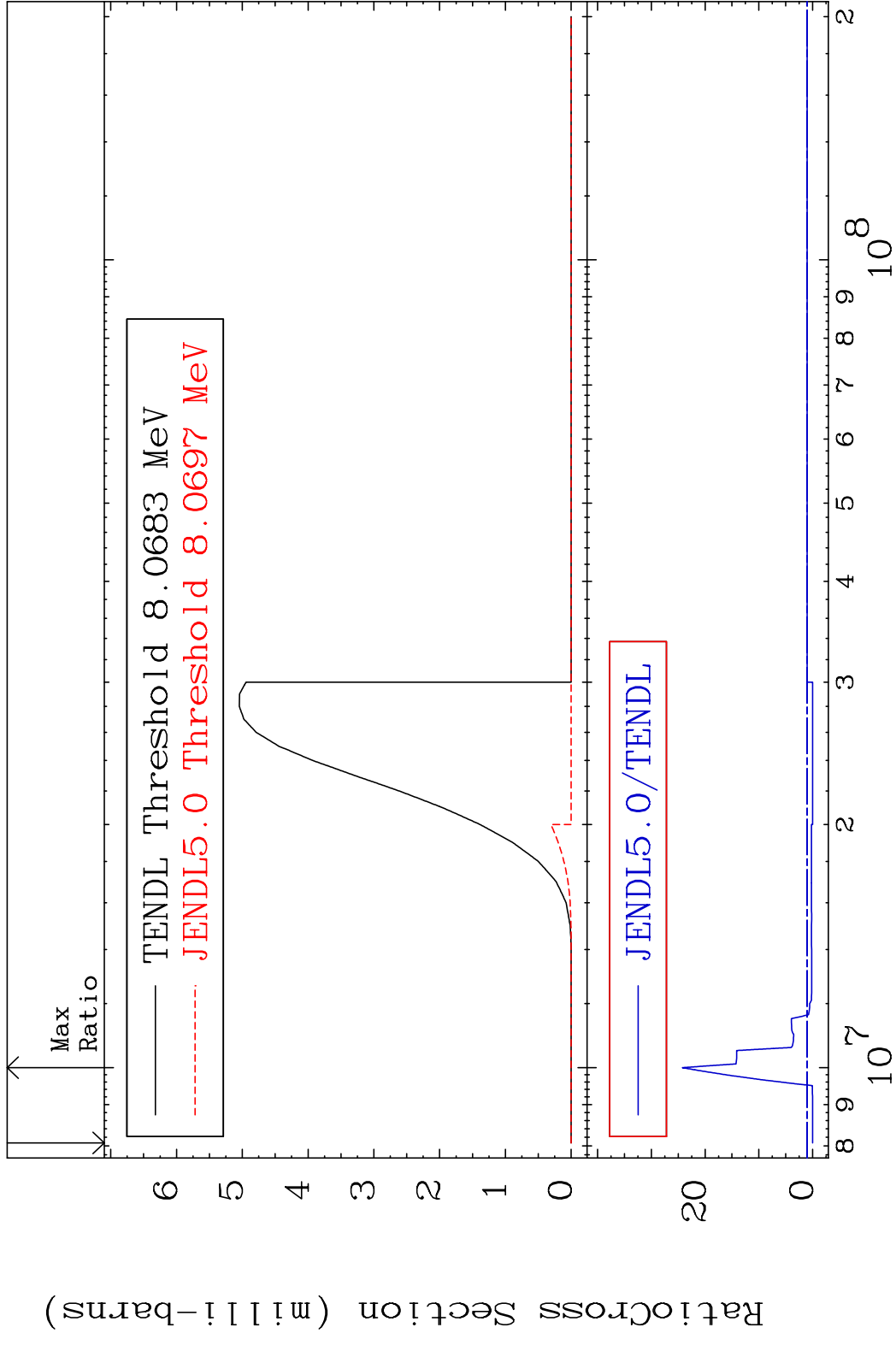


70 Incident Energy (eV) 50-Sn-119

MAT 5046 (n,d):49-In-118m3 50-Sn-119
 Radionuclide Production Cross Section Ratio



MAT 5046 (n, t): 49-In-117g 50-Sn-119
 Radionuclide Production Cross Section Ratio 2324. %



MAT 5046 (n, t): 49-In-117m1 50-Sn-119
 Radionuclide Production Cross Section 180.0 dth 200.7 %

