

Program Complot
(Version 2021-1)

by

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U.S.A.

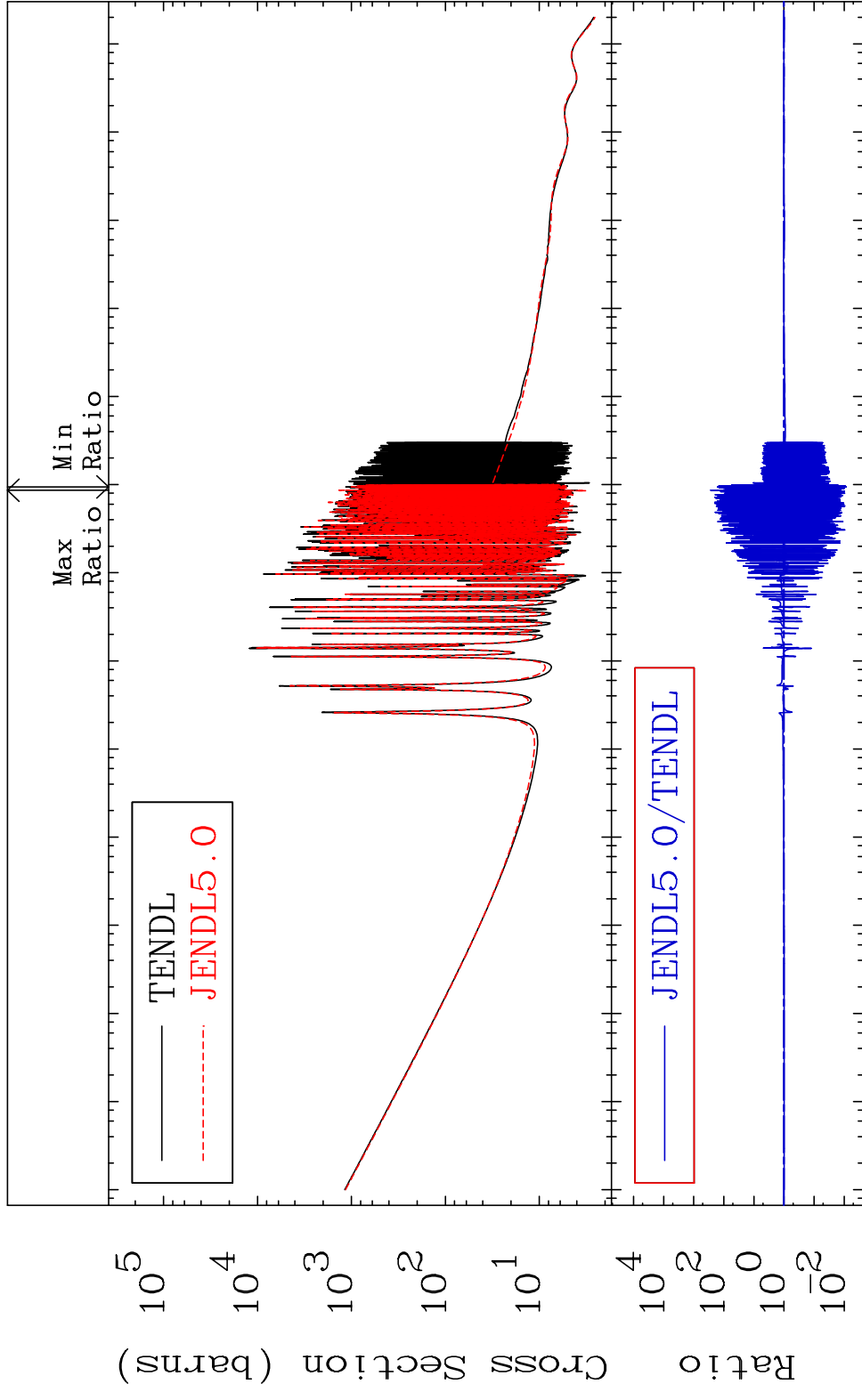
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 7125

Total Cross Section -99.15 To 9999. %
71-Lu-175



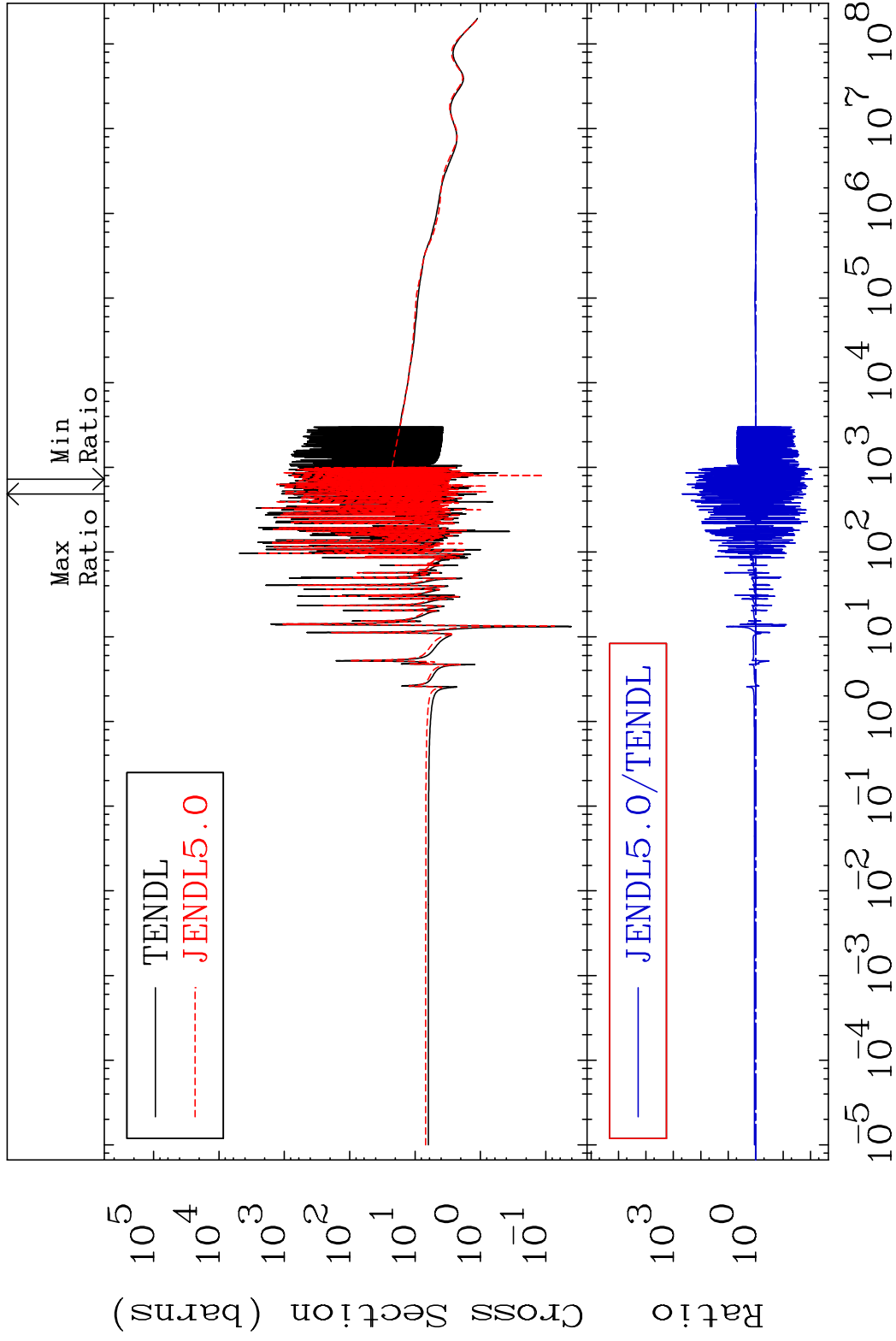
1 Incident Energy (eV) 71-Lu-175

MAT 7125

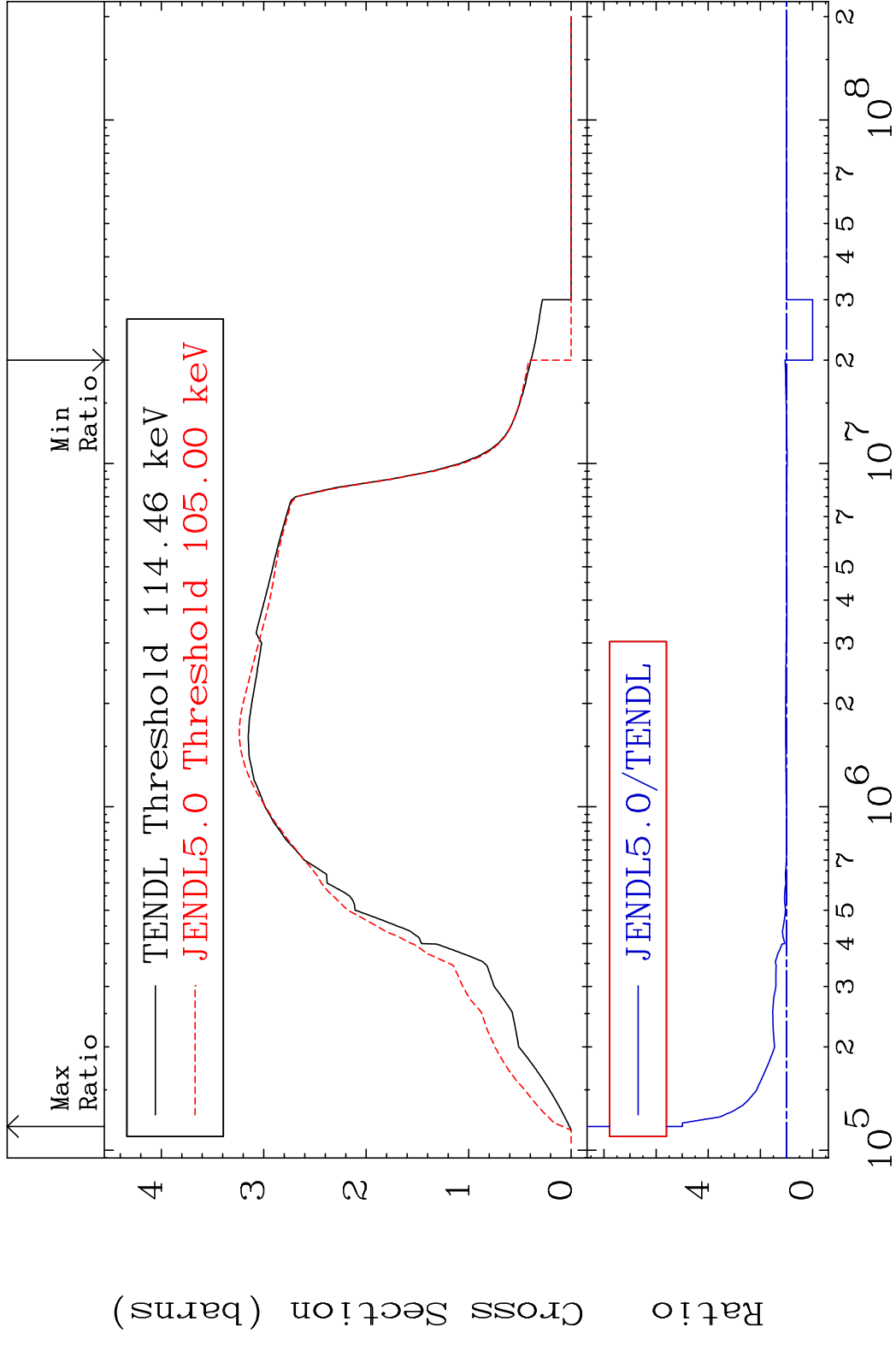
Elastic

71-Lu-175

Cross Section -99.16 To 9999. %



MAT 7125 Inelastic 71-Lu-175
 Cross Section -100.0 To 399.2 %



3 2 3 4 5 7 10⁶ 2 3 4 5 7 10⁷ 2 3 4 5 7 10⁸ 2

71-Lu-175

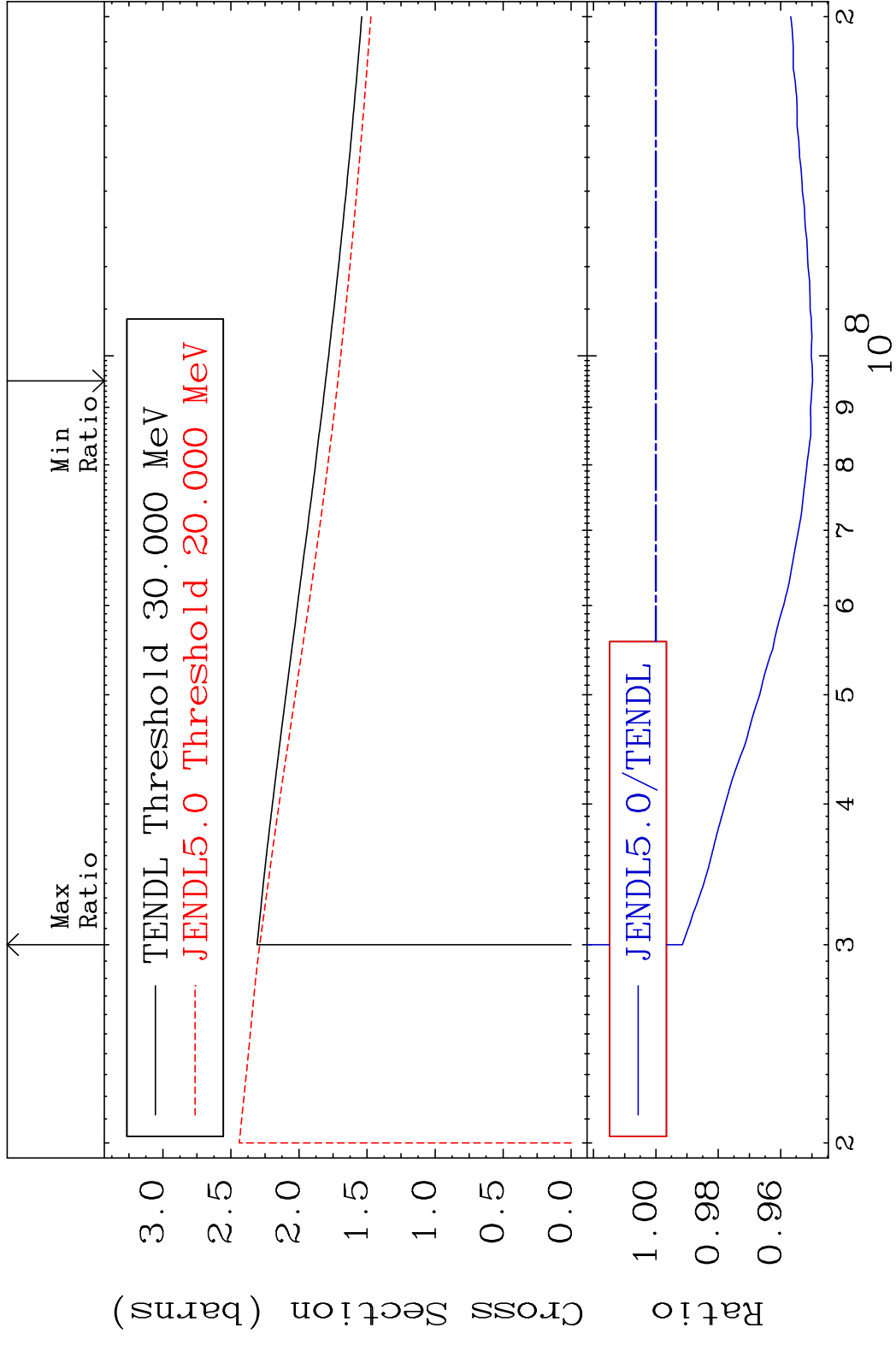
MAT 7125

(n, remainder)

71-Lu-175

Cross Section

-5.021 To -0.850%

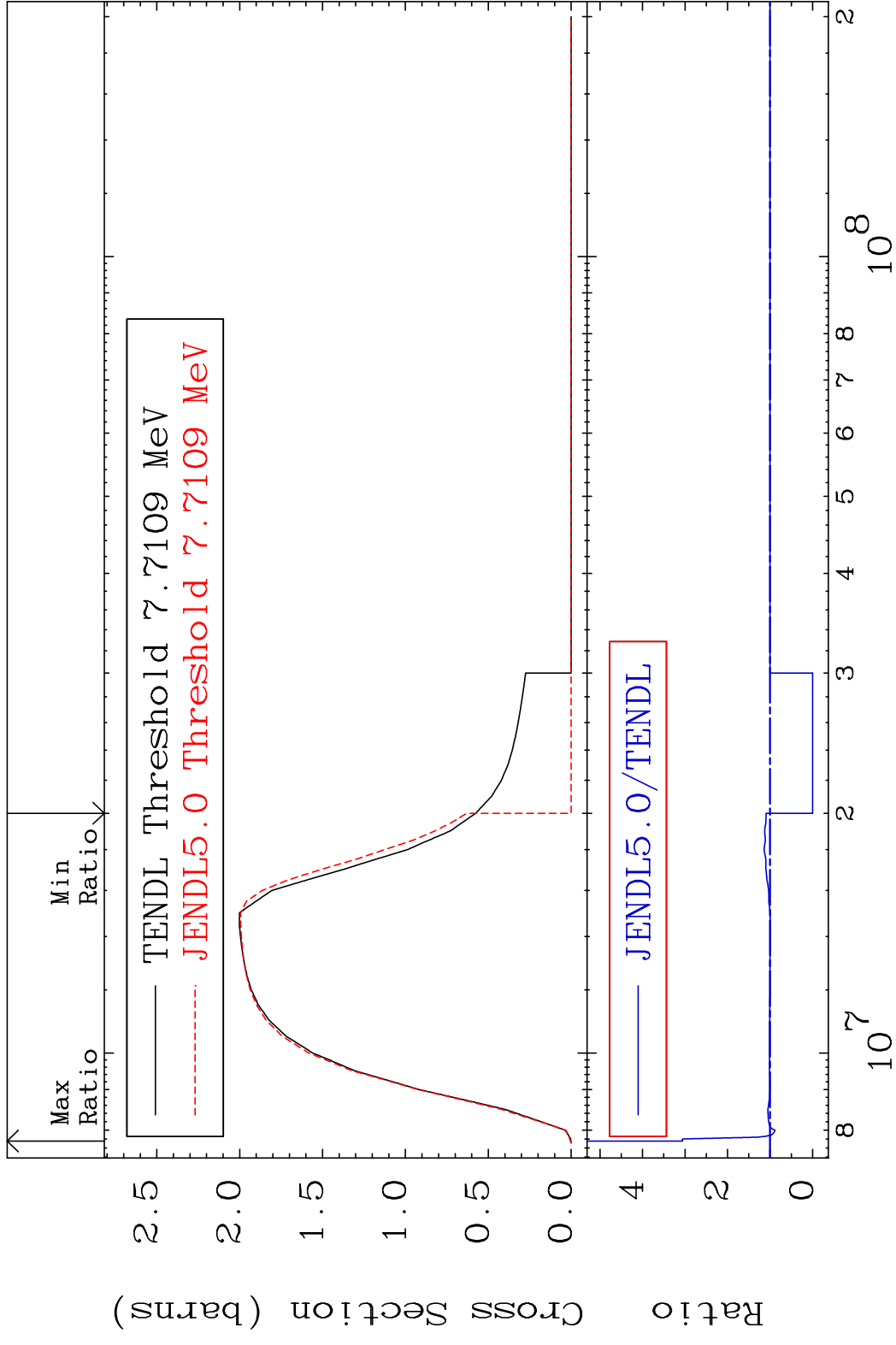


4

Incident Energy (eV)

71-Lu-175

MAT 7125 (n,2n) 71-Lu-175
 Cross Section -100.0 To 206.3 %



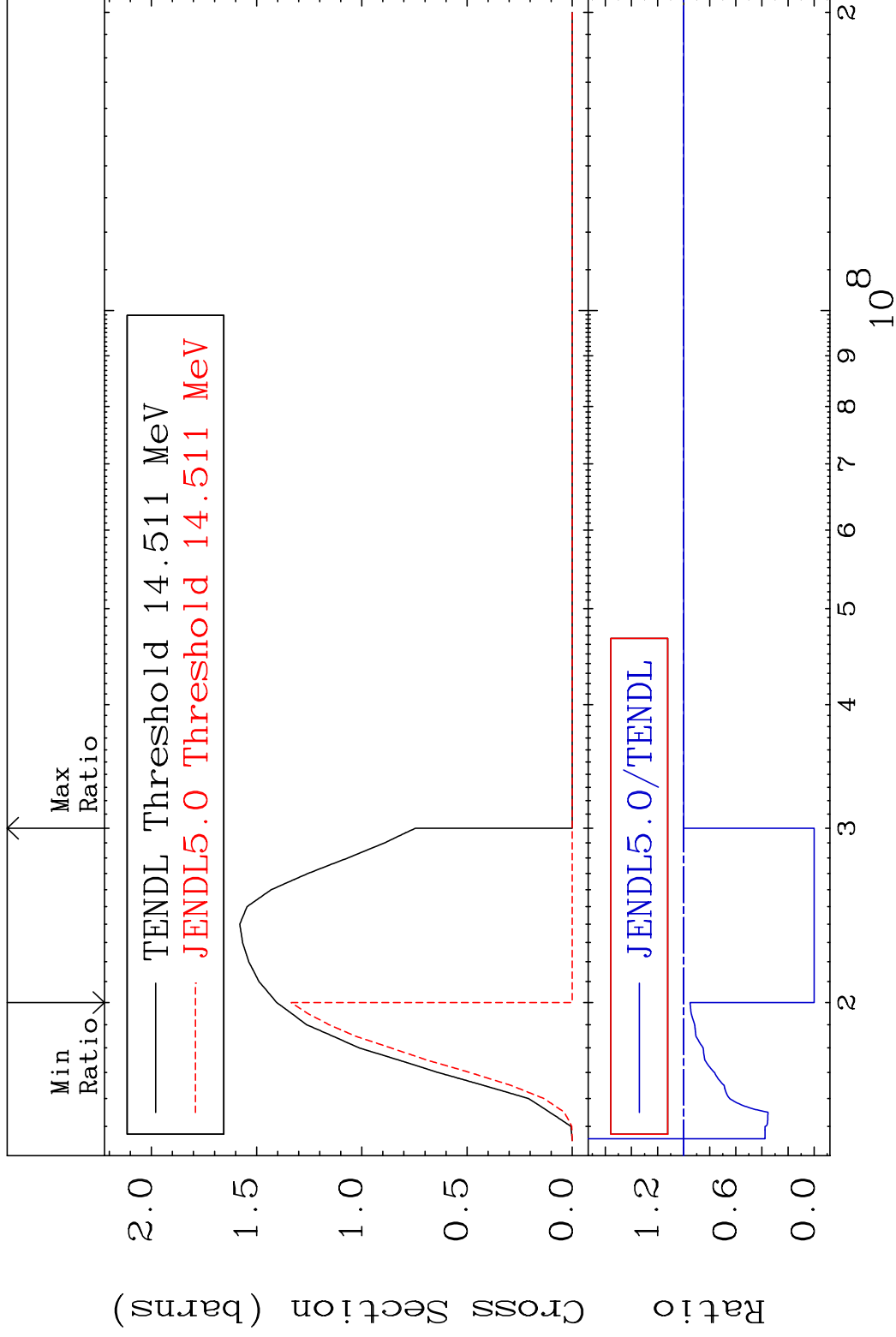
5 Incident Energy (eV) 71-Lu-175

MAT 7125

(n,3n)

71-Lu-175

Cross Section -100.0 To 0.000 %

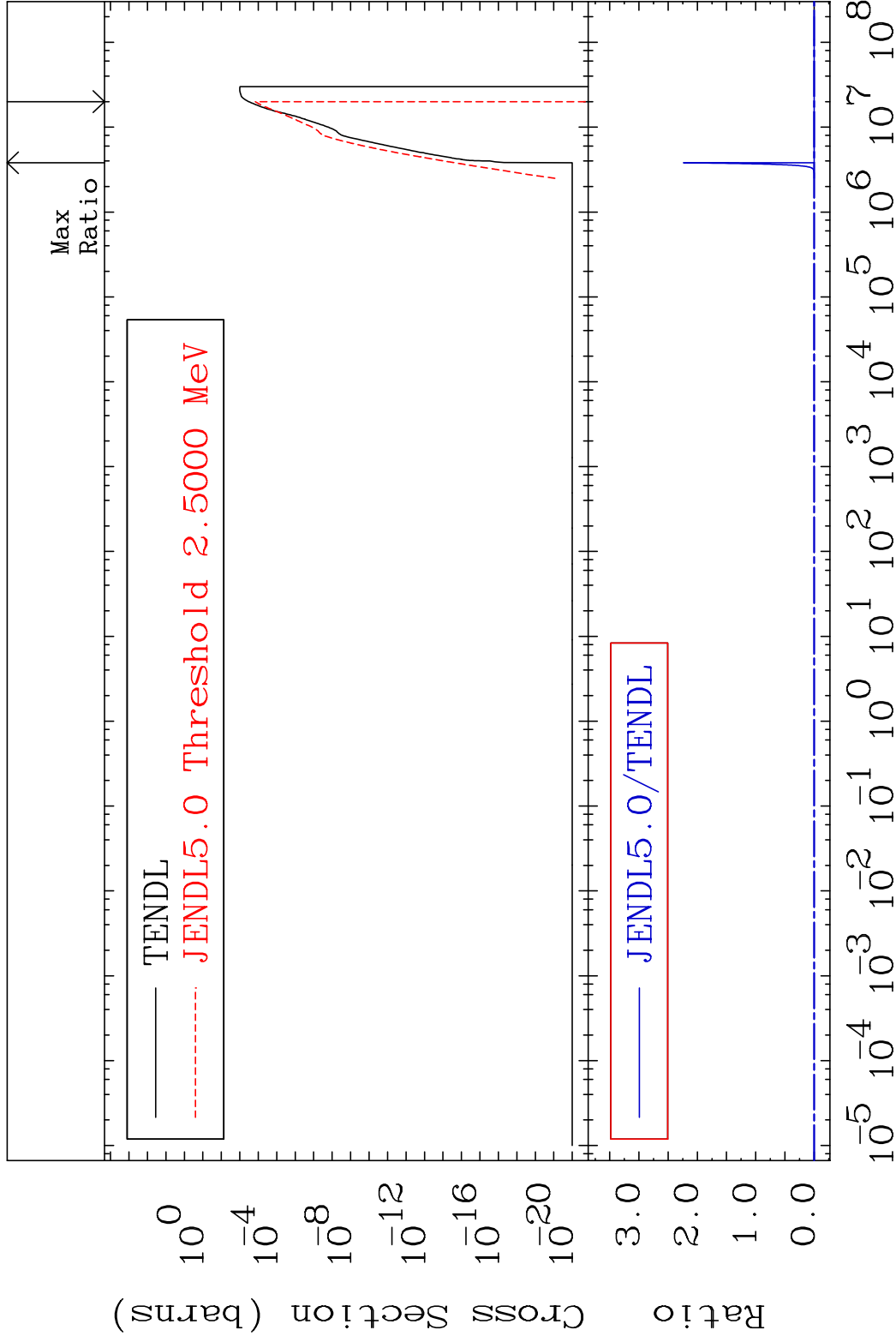


MAT 7125

(n, n') α

71-Lu-175

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

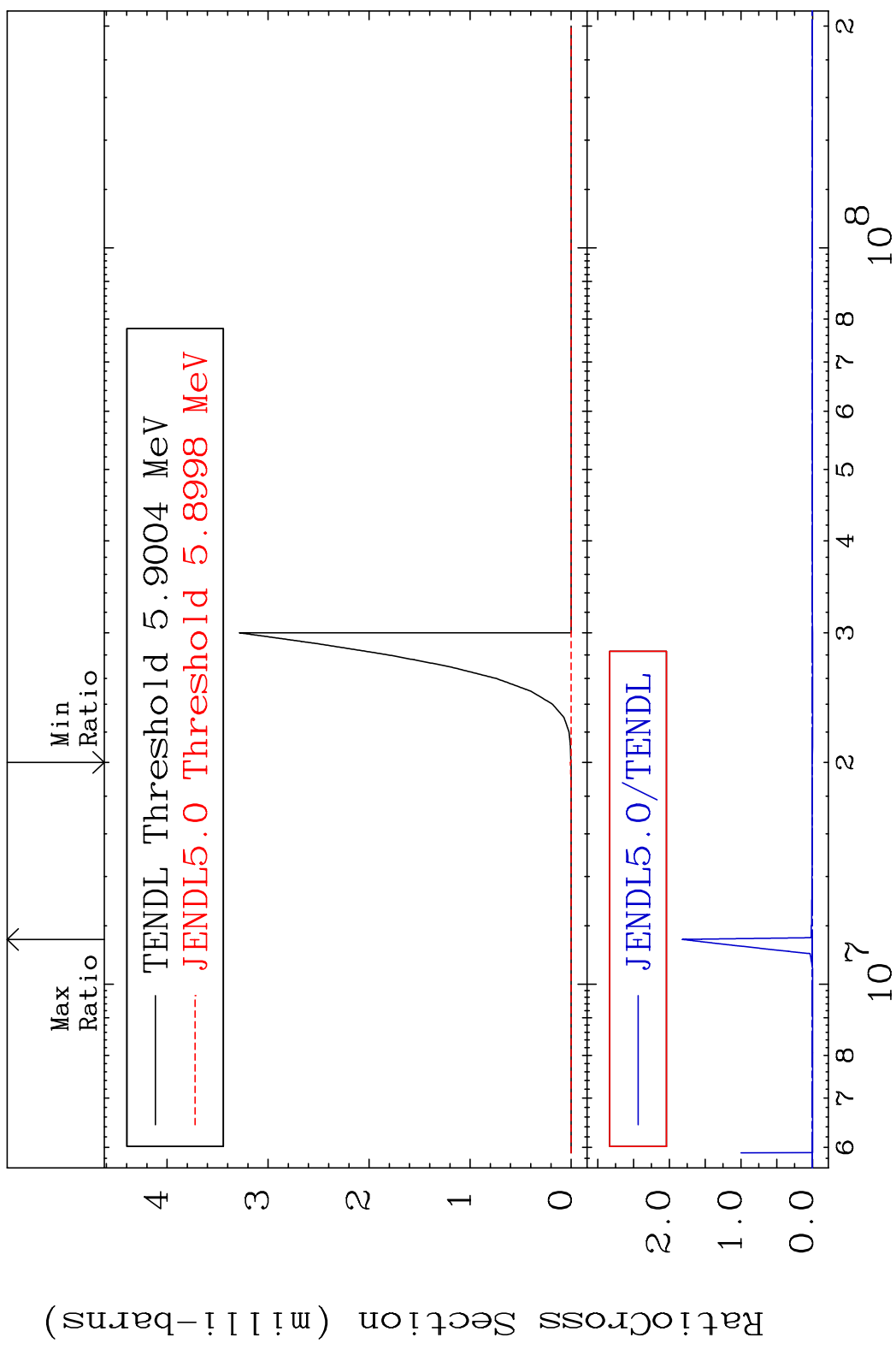
71-Lu-175

MAT 7125

(n,2n) α

71-Lu-175

Cross Section -100.0 To 9999. %

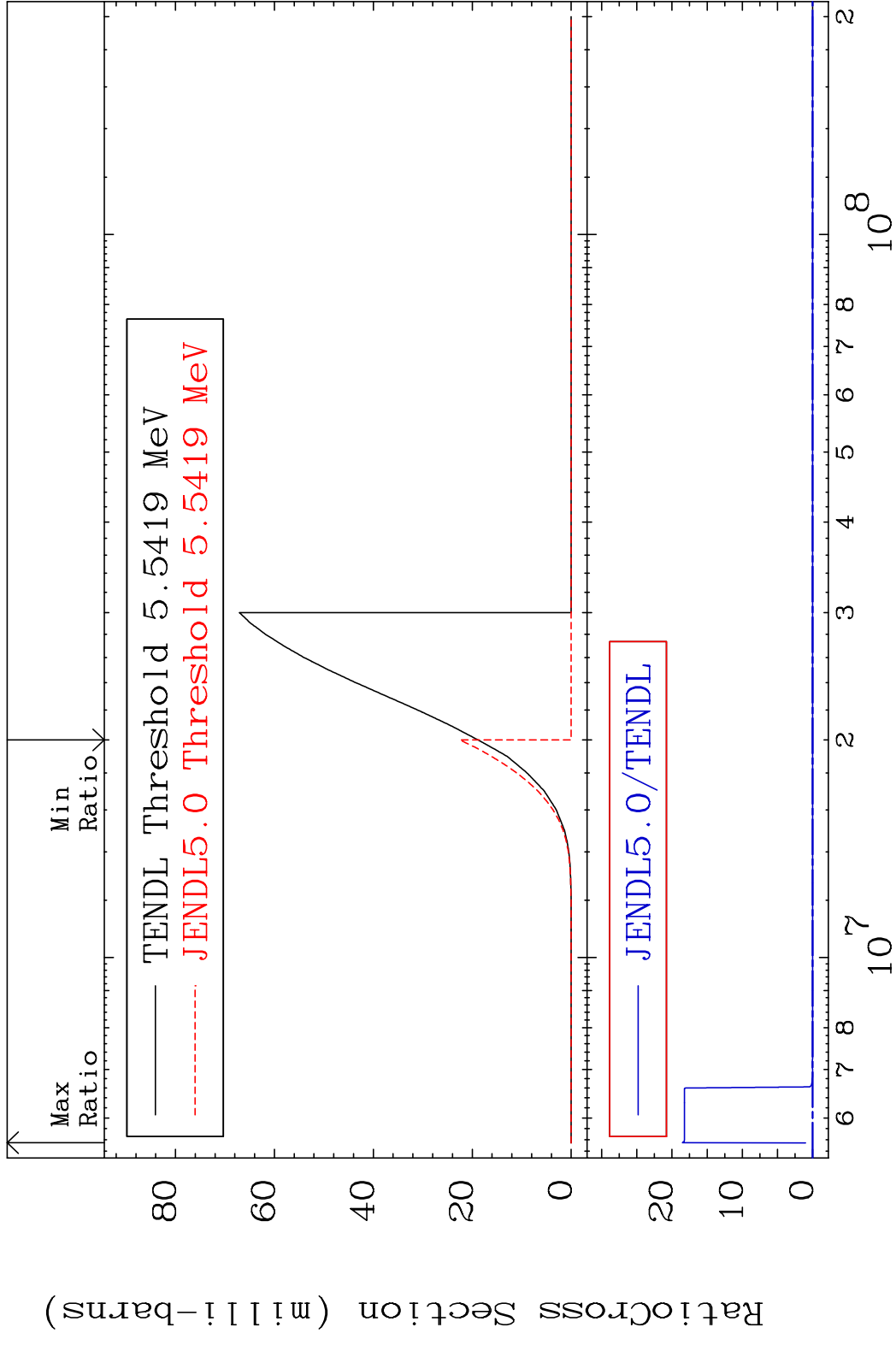


8

Incident Energy (eV)

71-Lu-175

MAT 7125 (n, n') p 71-Lu-175
 Cross Section -100.0 To 9999. %



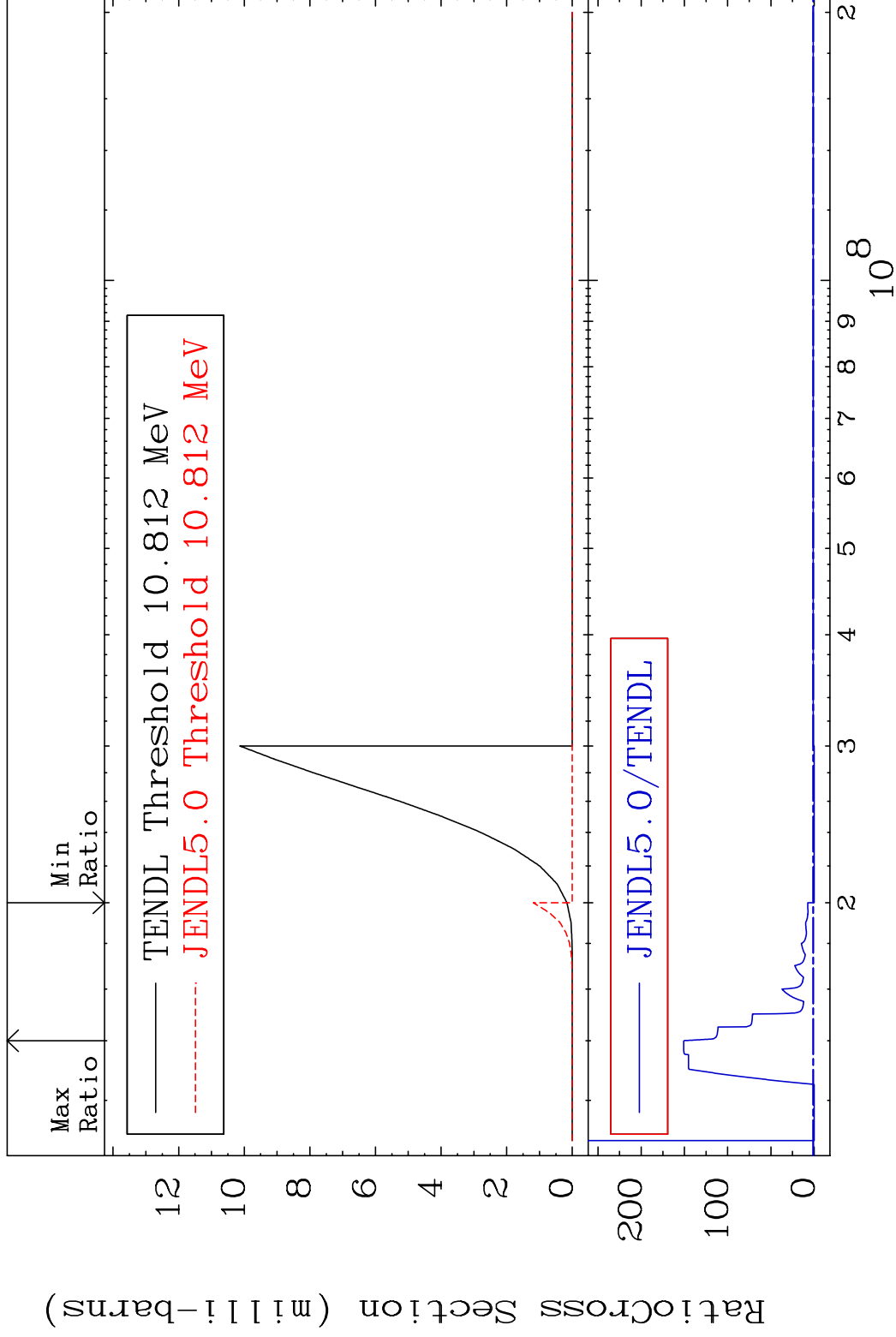
9 Incident Energy (eV) 71-Lu-175

MAT 7125

(n, n') d

71-Lu-175

Cross Section -100.0 To 9999. %

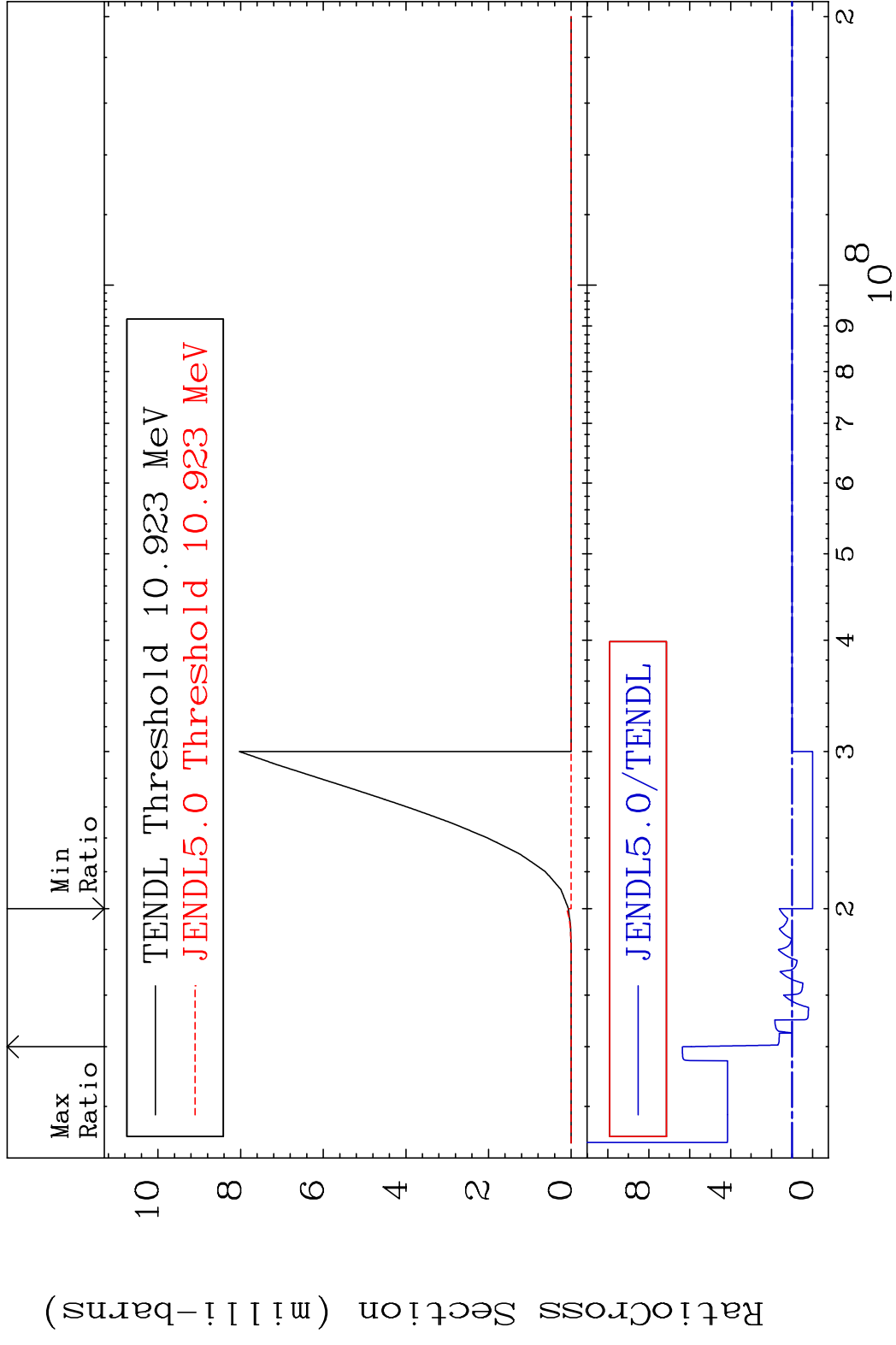


10

Incident Energy (eV)

71-Lu-175

MAT 7125 (n, n') t 71-Lu-175
 Cross Section -100.0 To 536.0 %

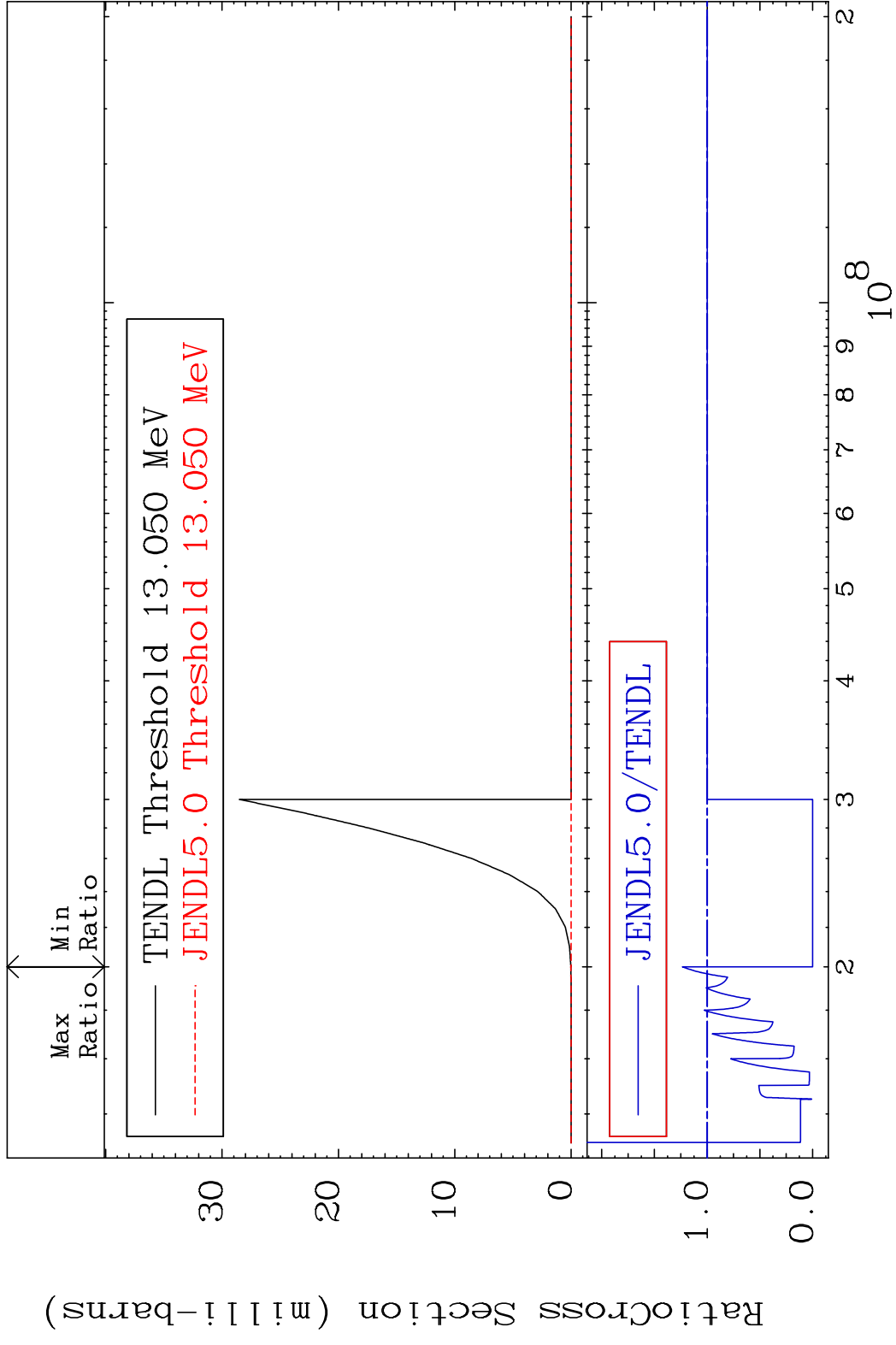


MAT 7125

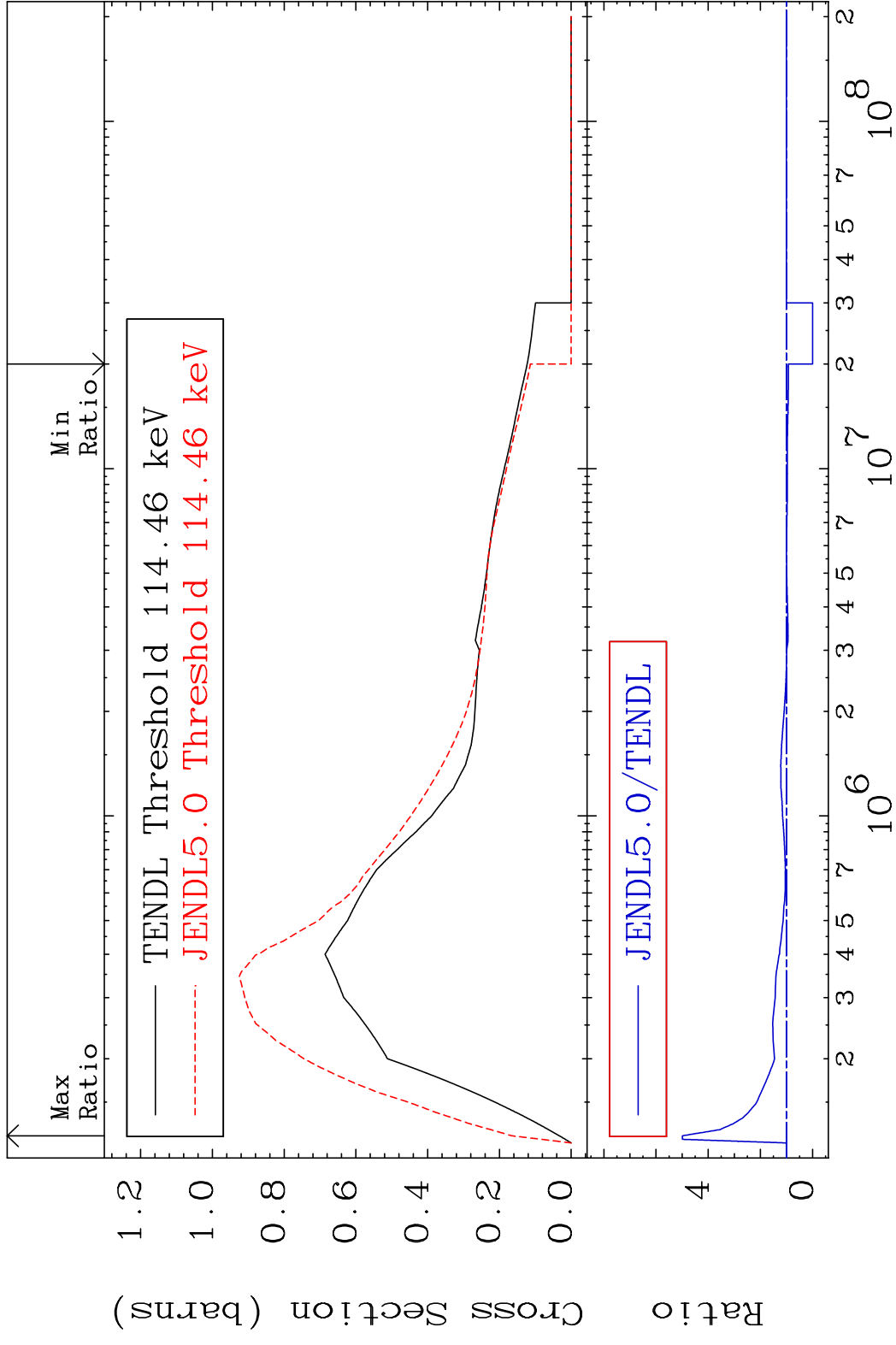
(n,2n) p

71-Lu-175

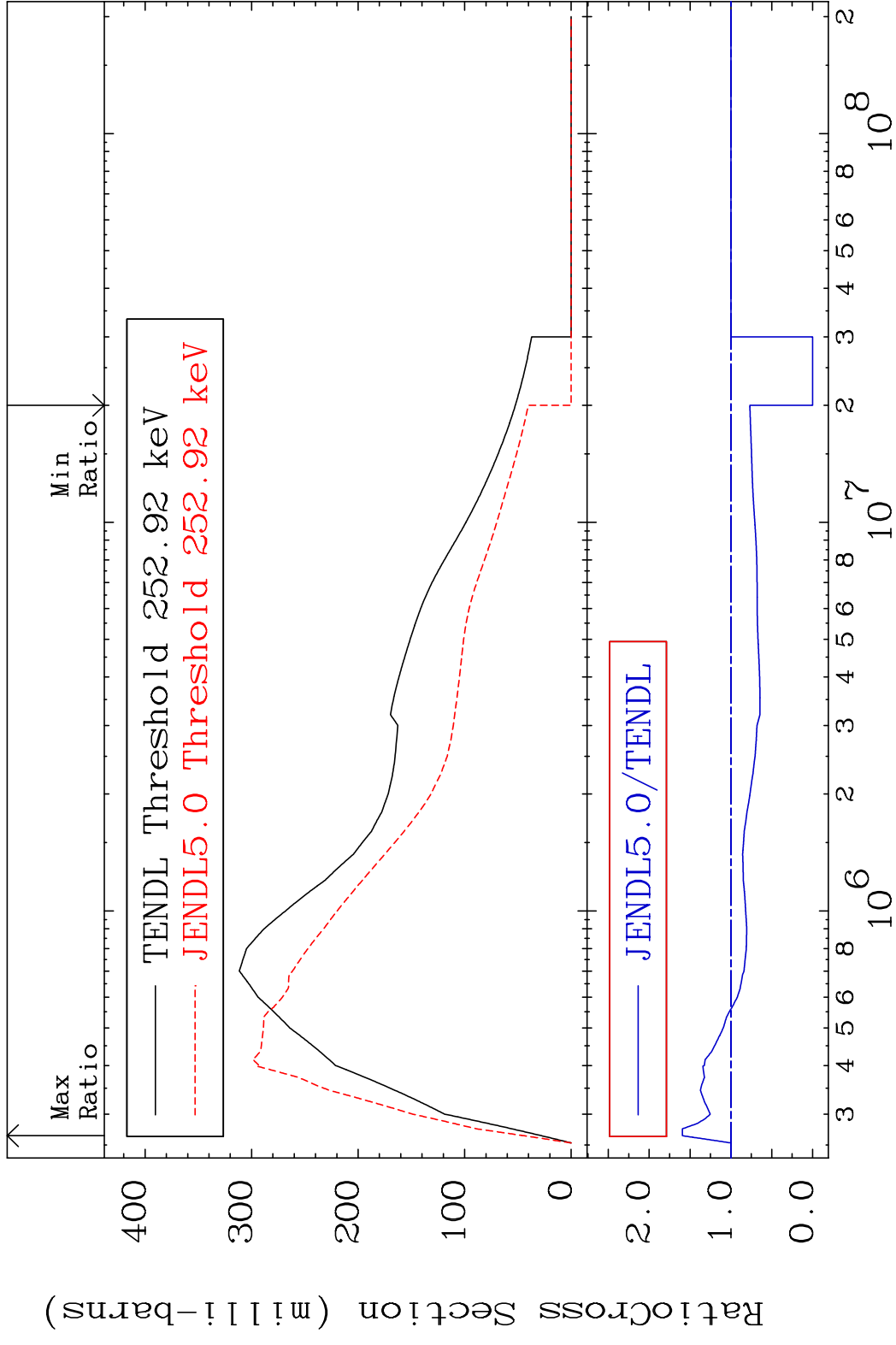
Cross Section -100.0 To 23.52 %



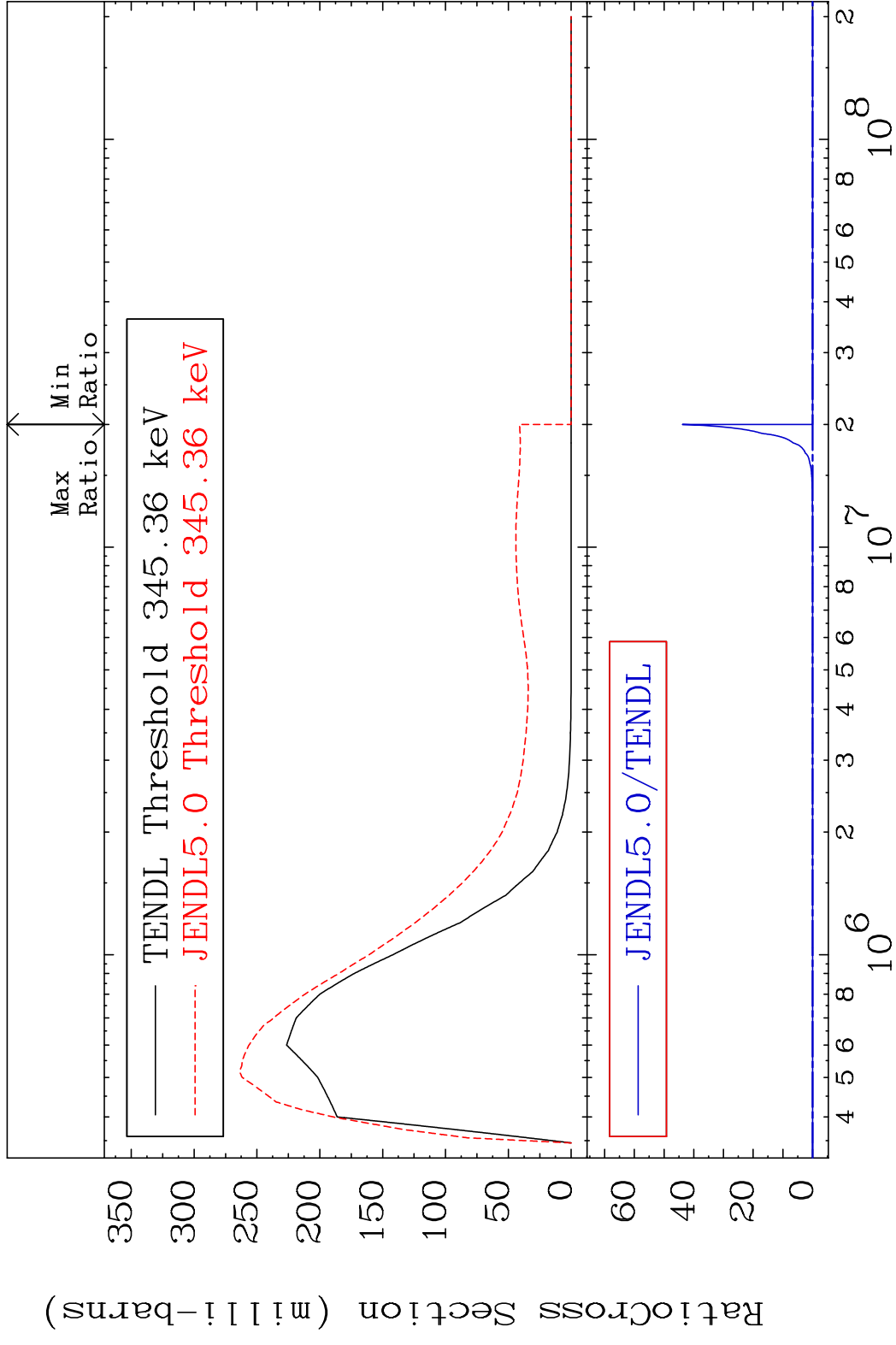
MAT 7125 MT= 51 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 399.1 %



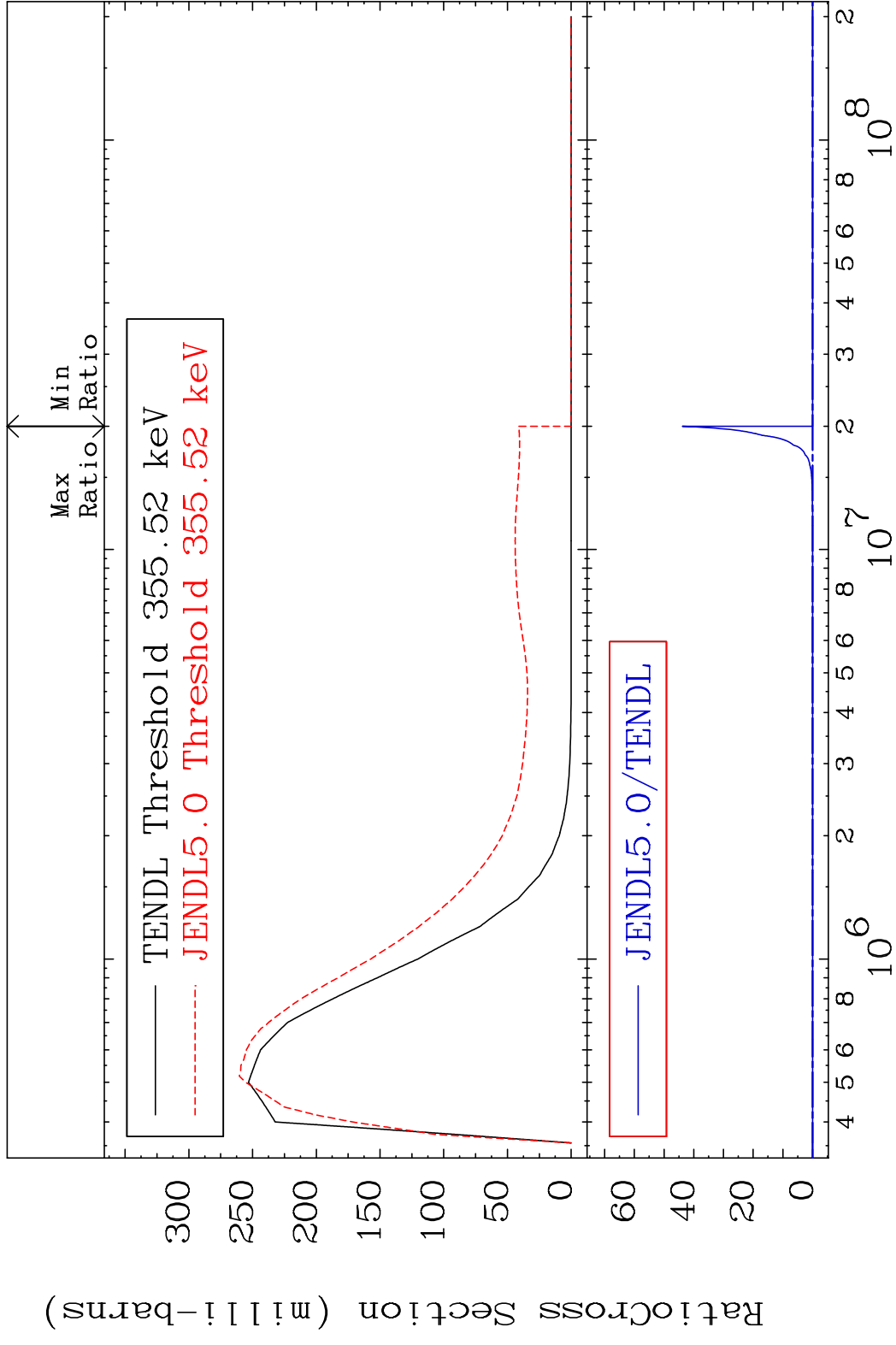
MAT 7125 MT= 52 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 59.41 %



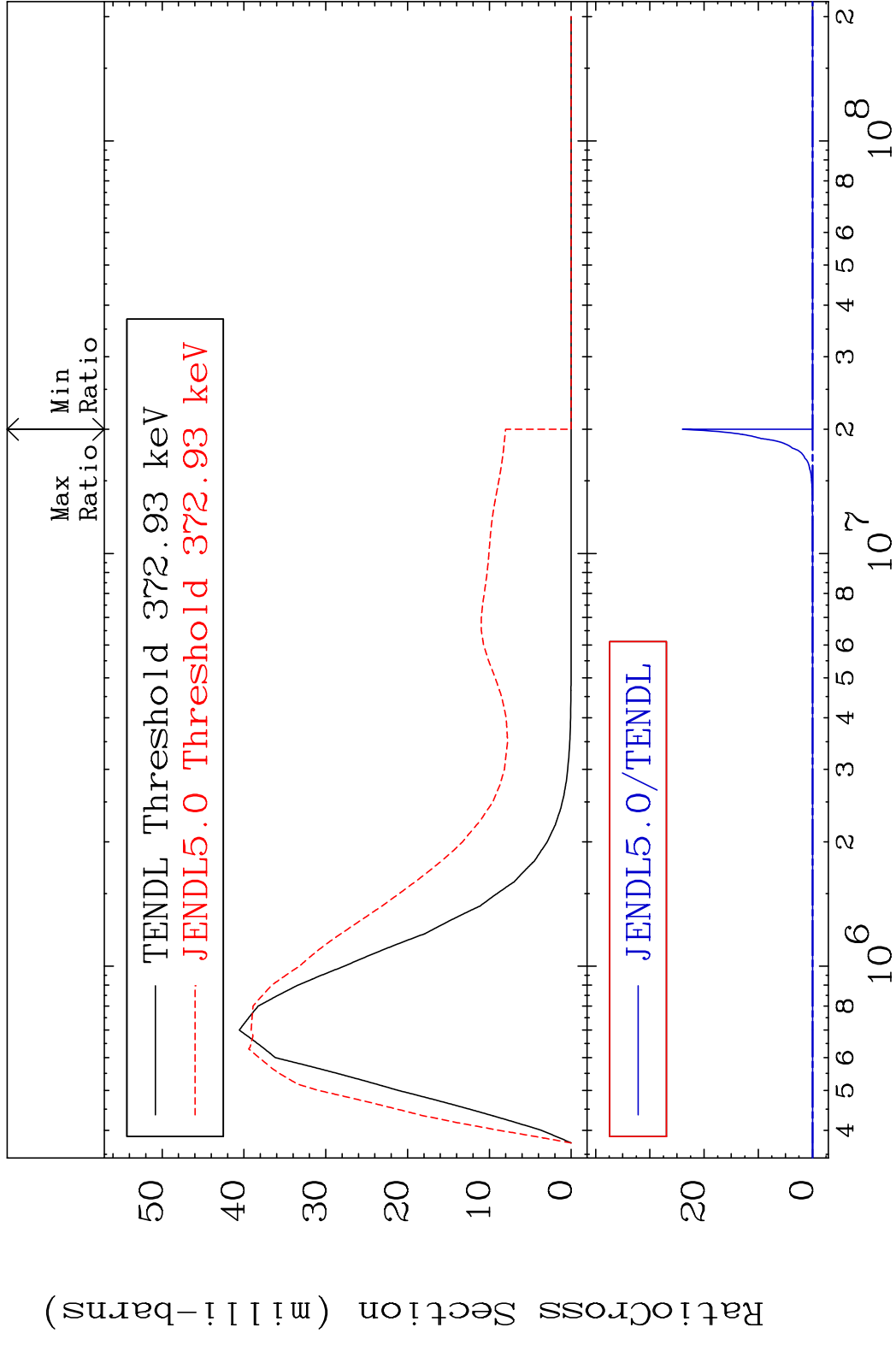
MAT 7125 MT= 53 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 9999. %



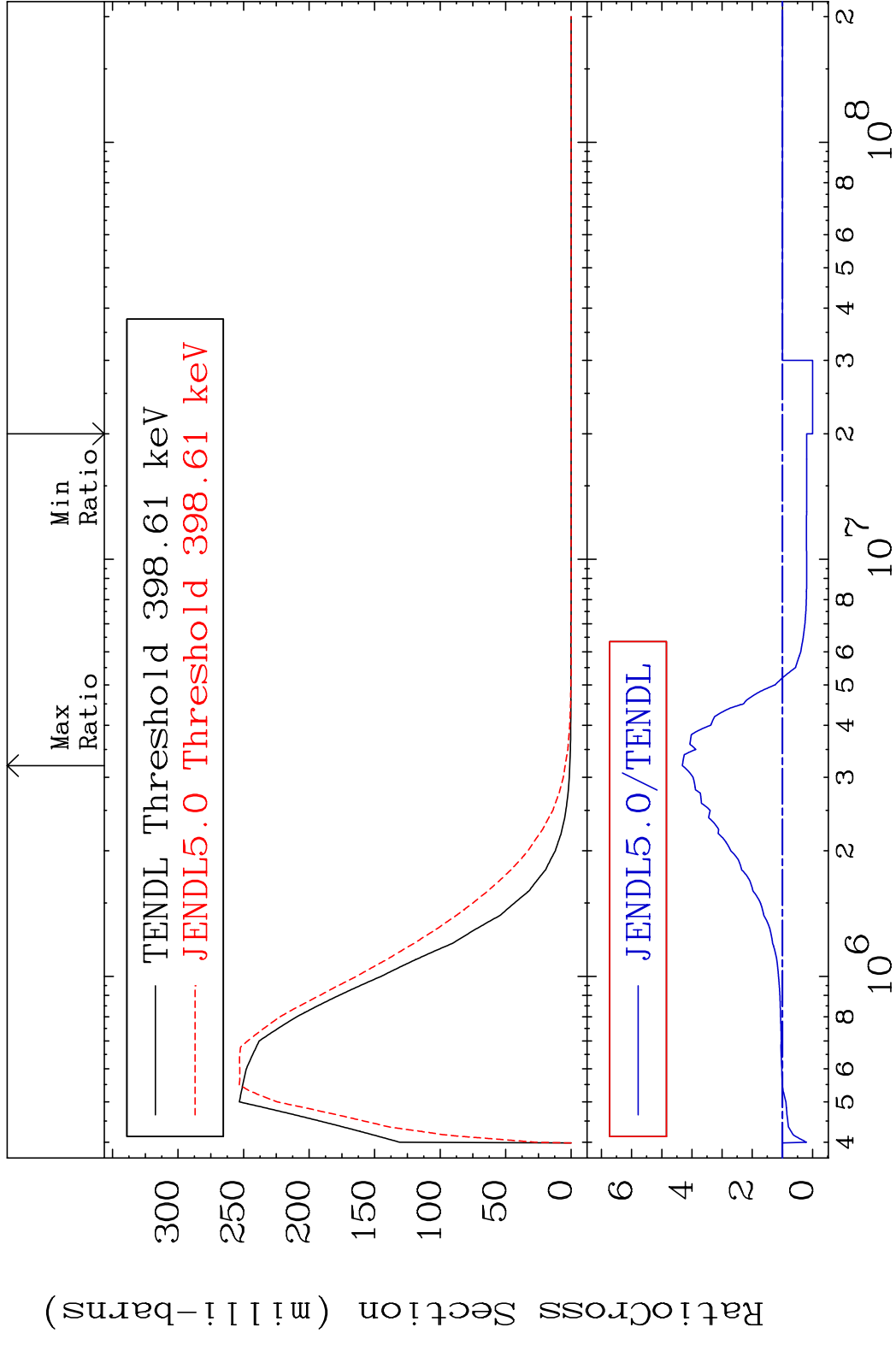
MAT 7125 MT= 54 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 9999. %



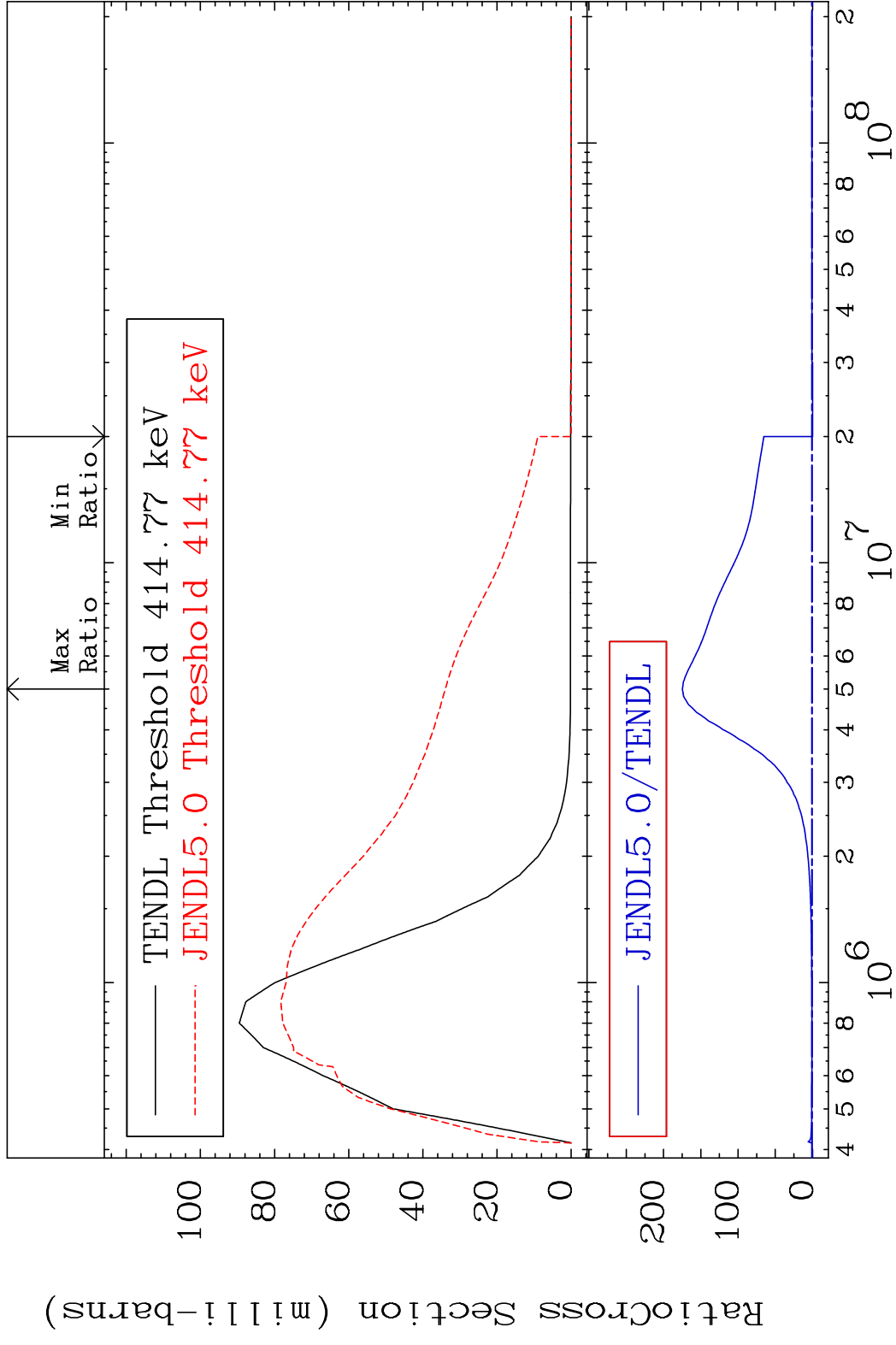
MAT 7125 MT= 55 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 9999. %



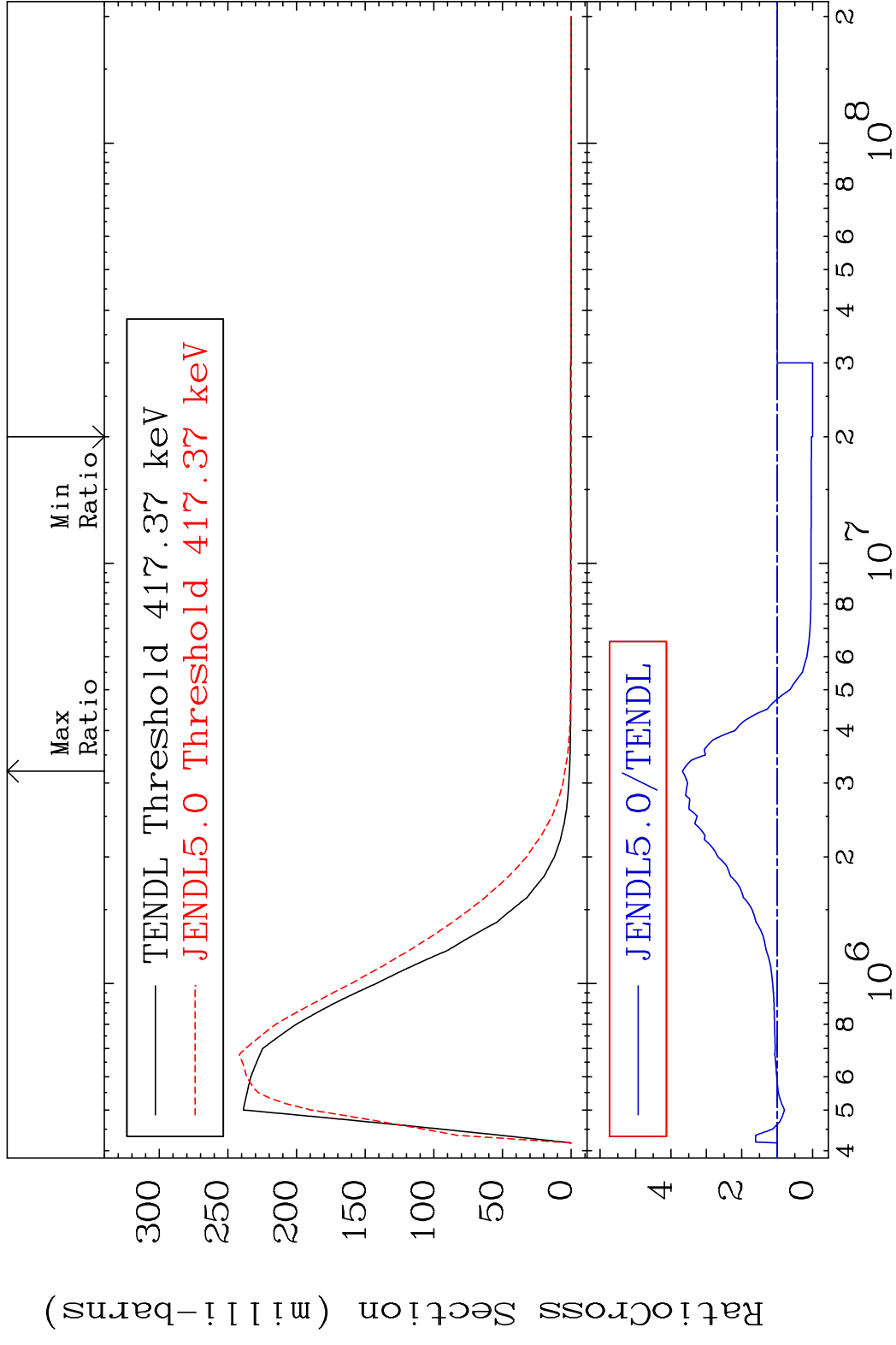
MAT 7125 MT= 56 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 331.7 %



MAT 7125 MT= 57 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 9999. %

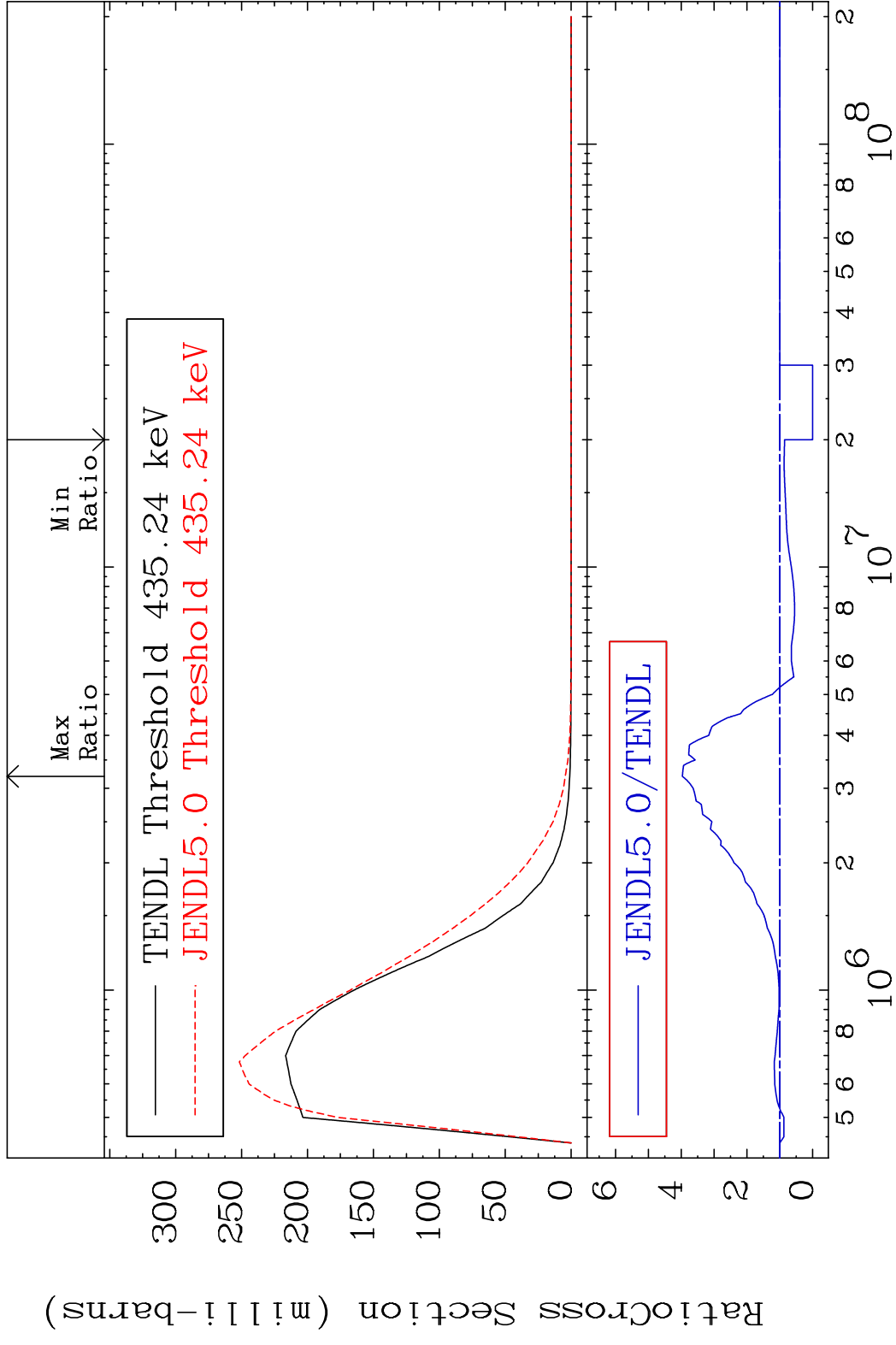


MAT 7125 MT= 58 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 267.8 %

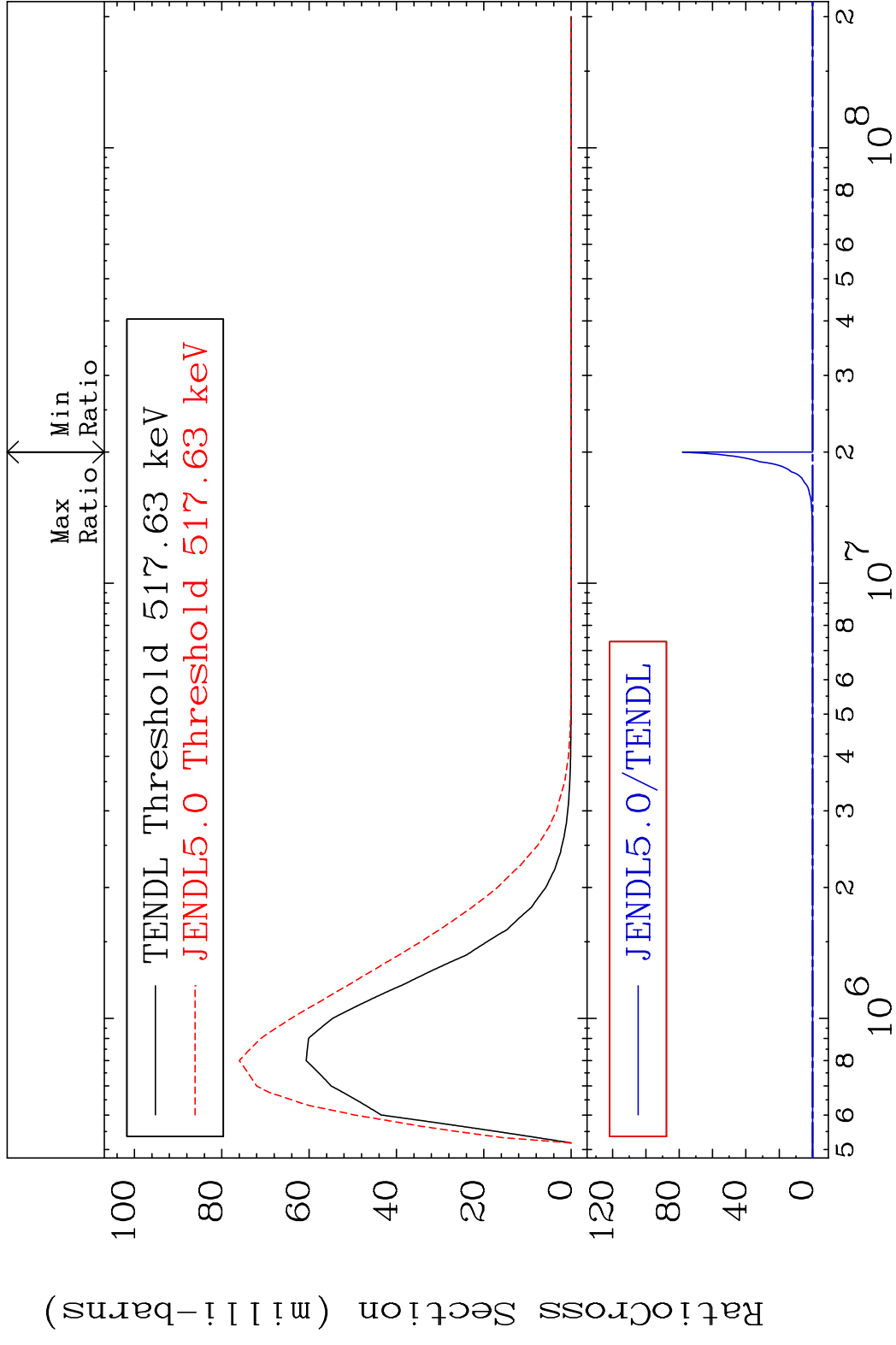


20 Incident Energy (eV) 71-Lu-175

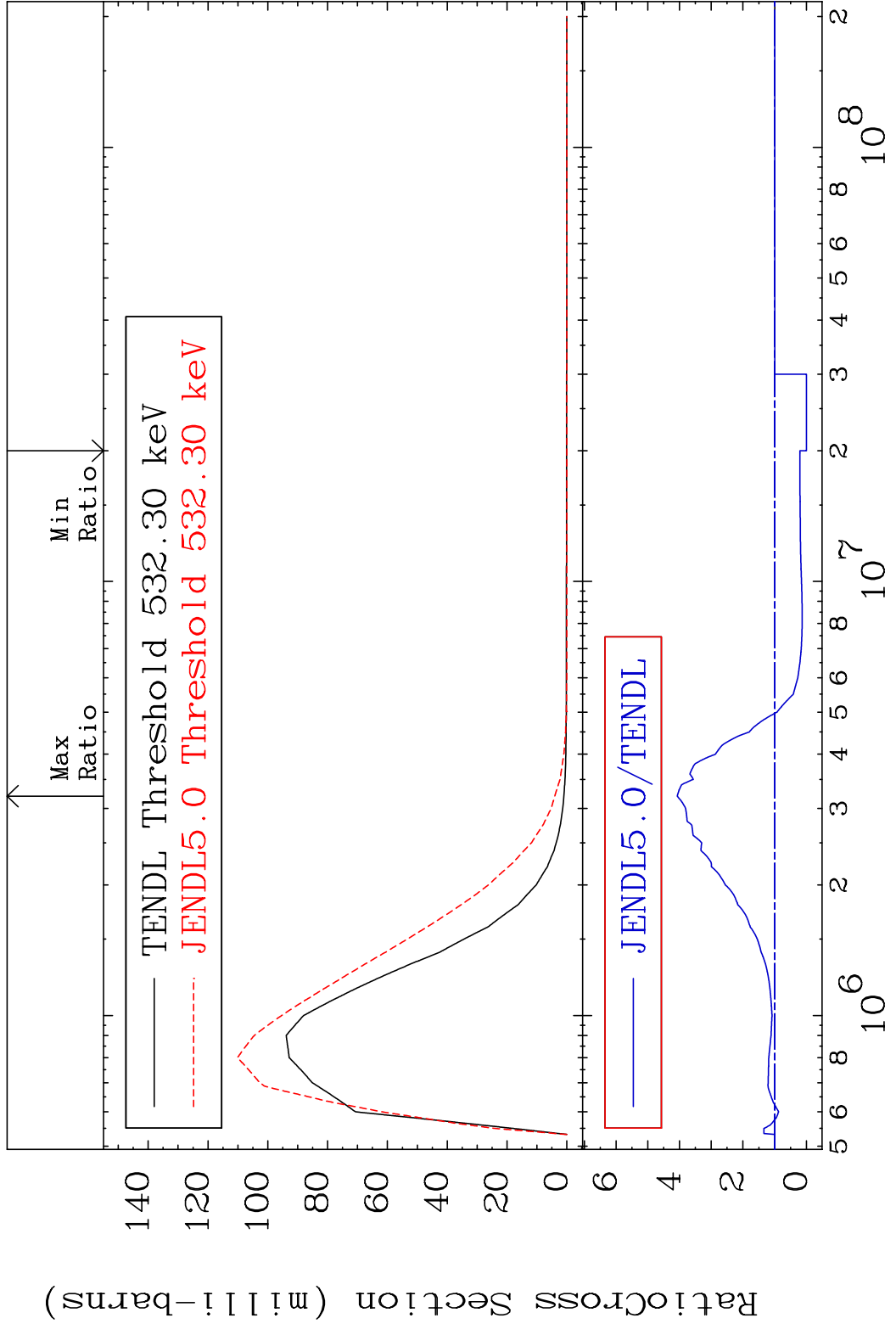
MAT 7125 MT= 59 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 296.6 %



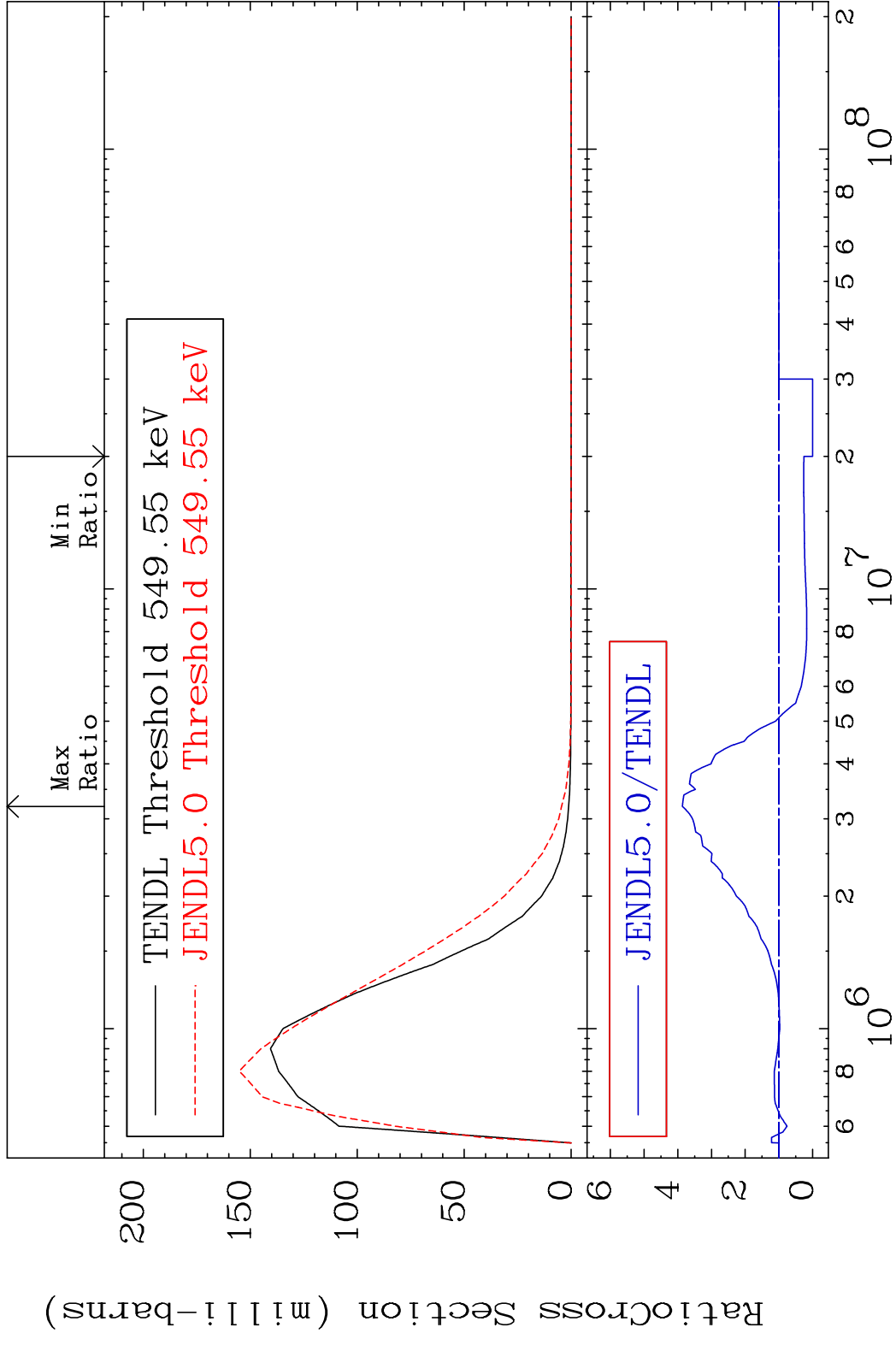
MAT 7125 MT= 60 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 9999. %



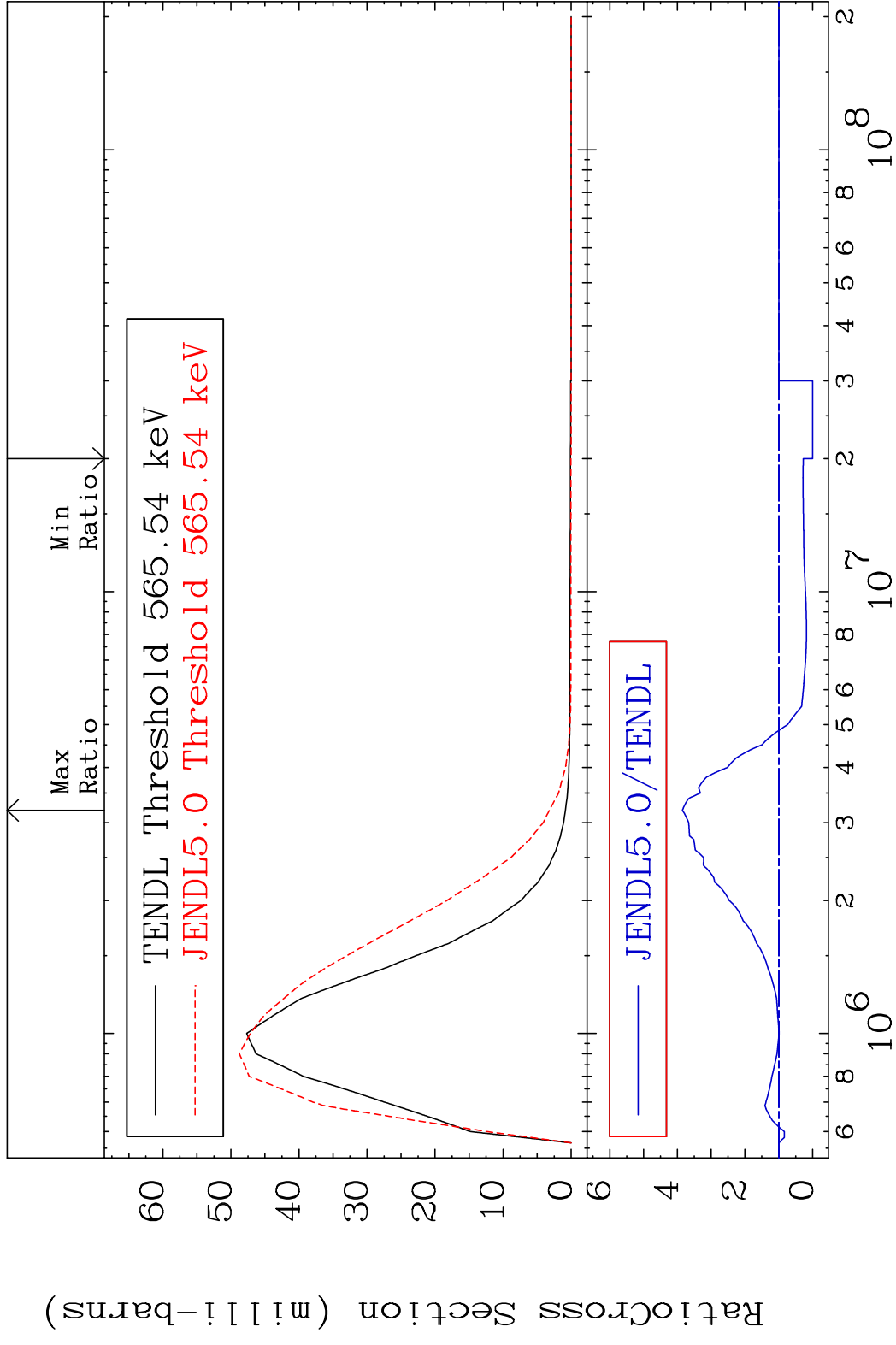
MAT 7125 MT= 61 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 307.4 %



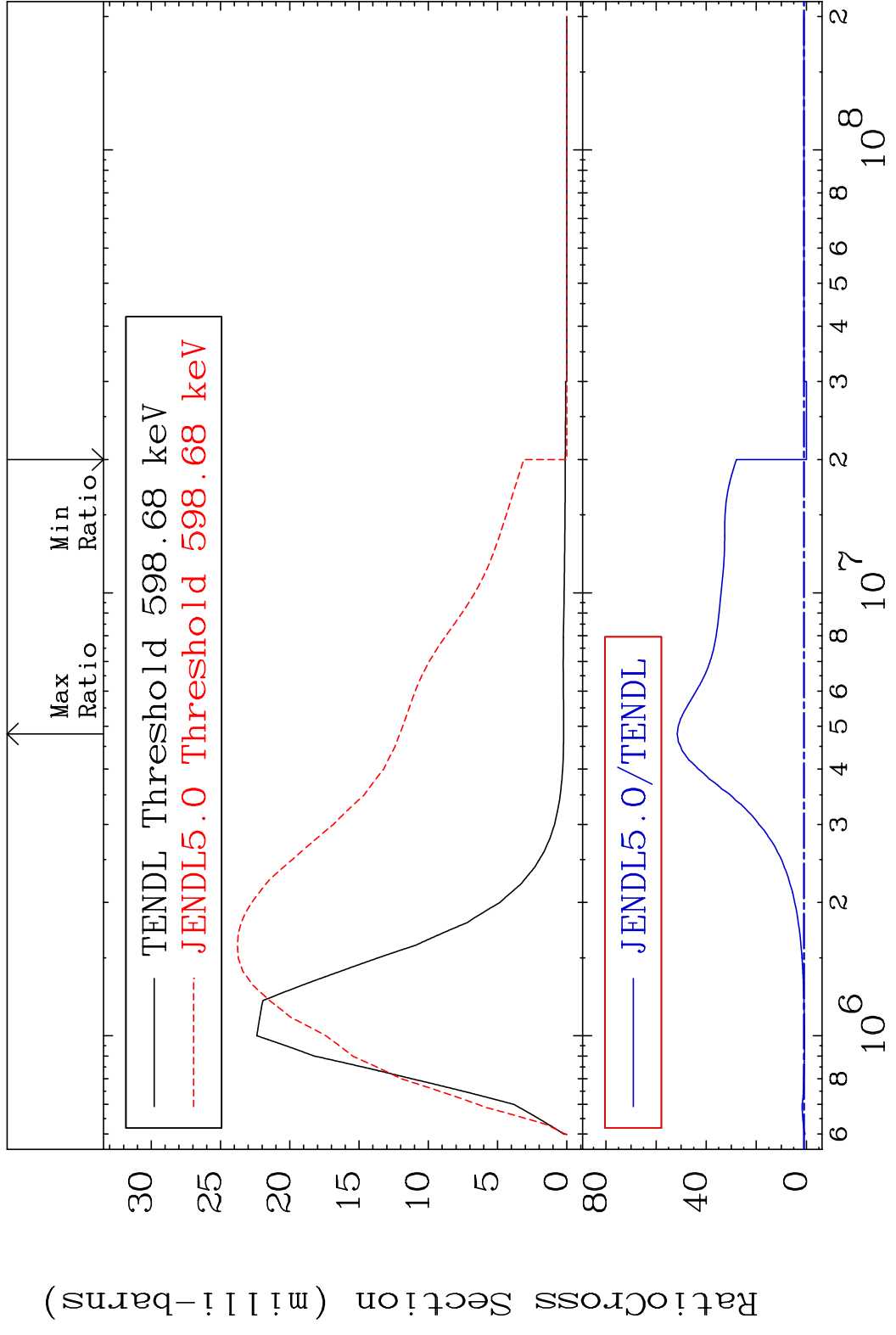
MAT 7125 MT= 62 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 286.4 %



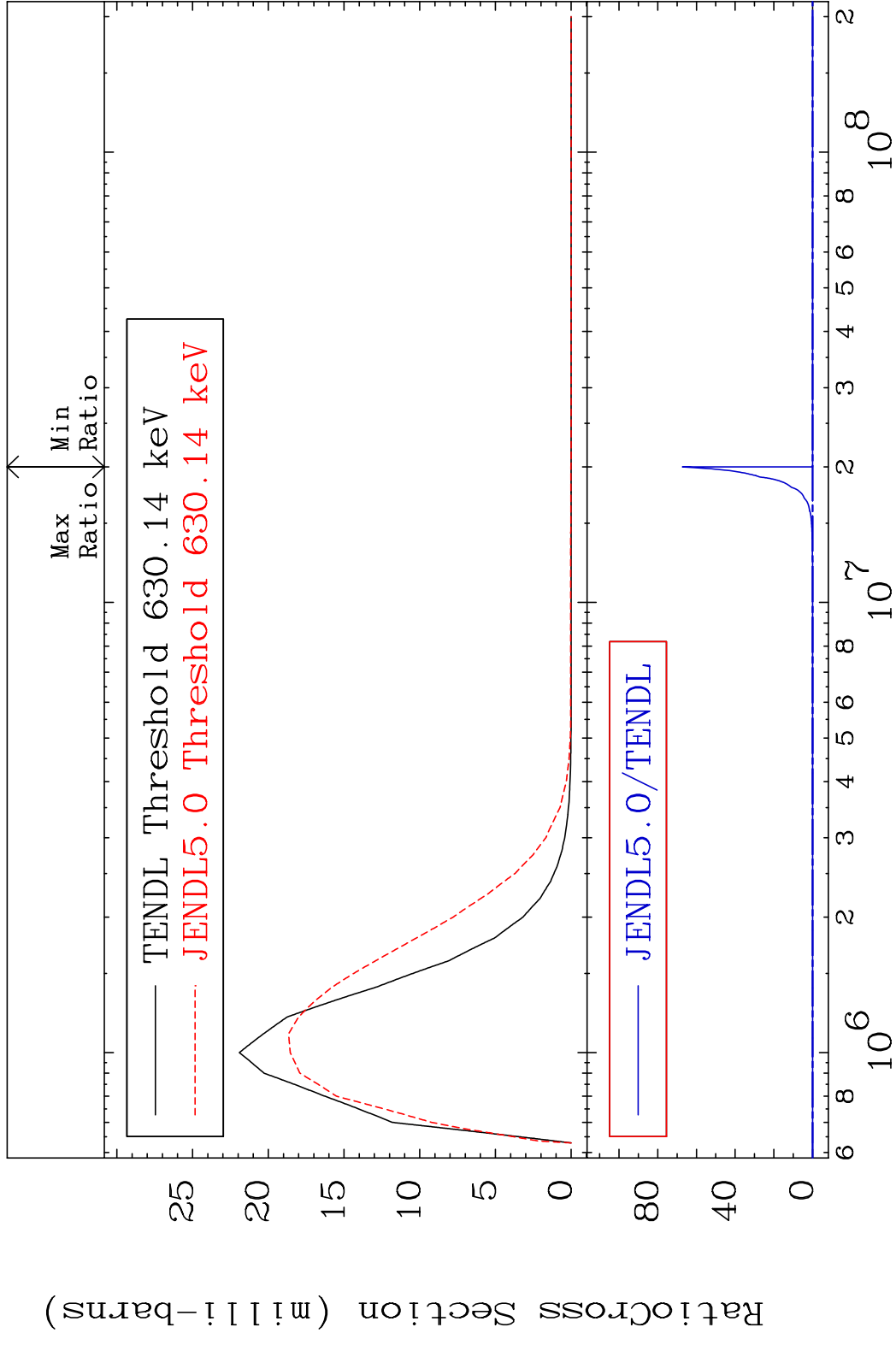
MAT 7125 MT= 63 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 285.3 %



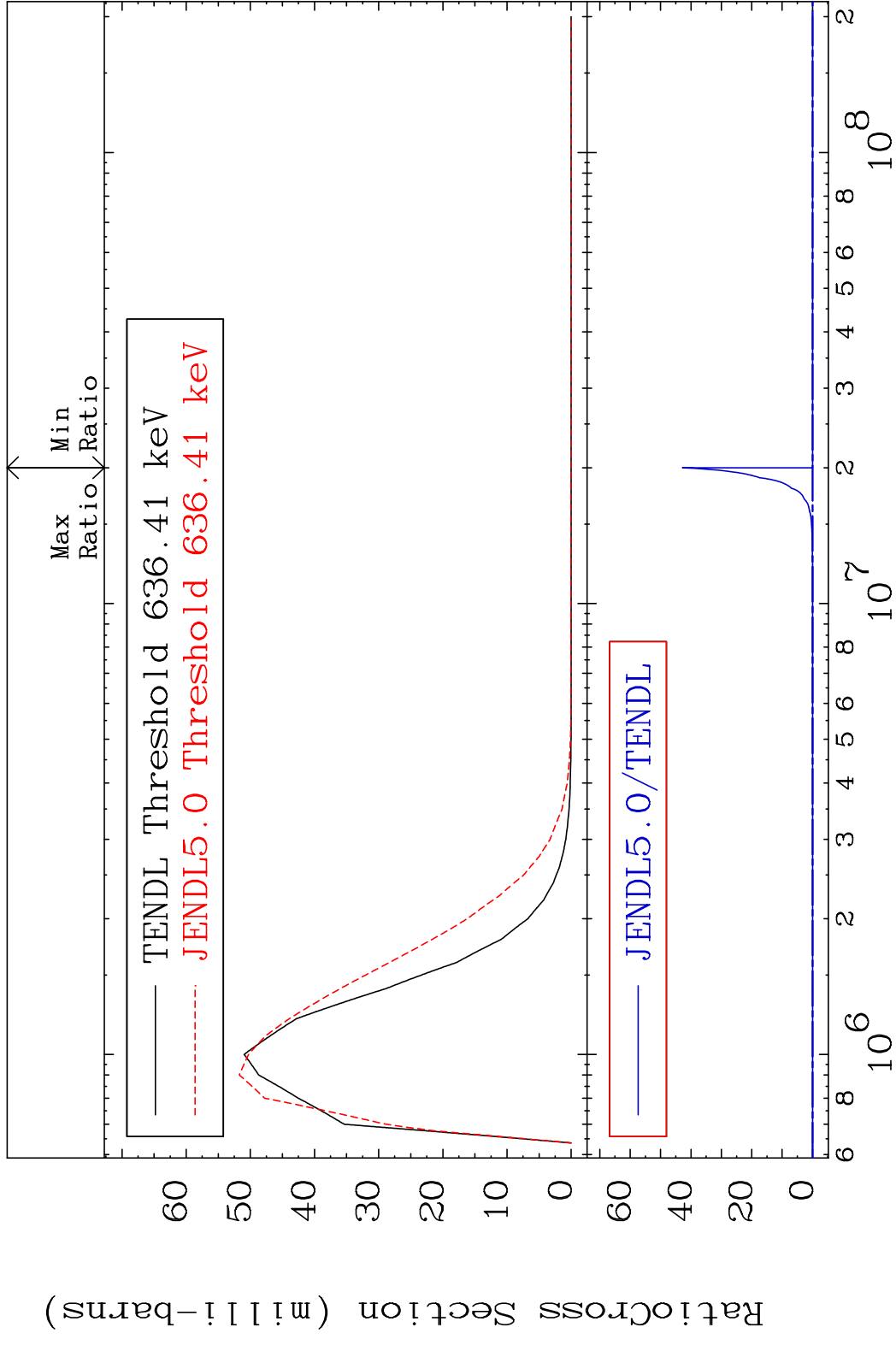
MAT 7125 MT= 64 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 5058. %



MAT 7125 MT= 65 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 9999. %



MAT 7125 MT= 66 (n, n') Level 71-Lu-175
 Cross Section -100.0 To 9999. %

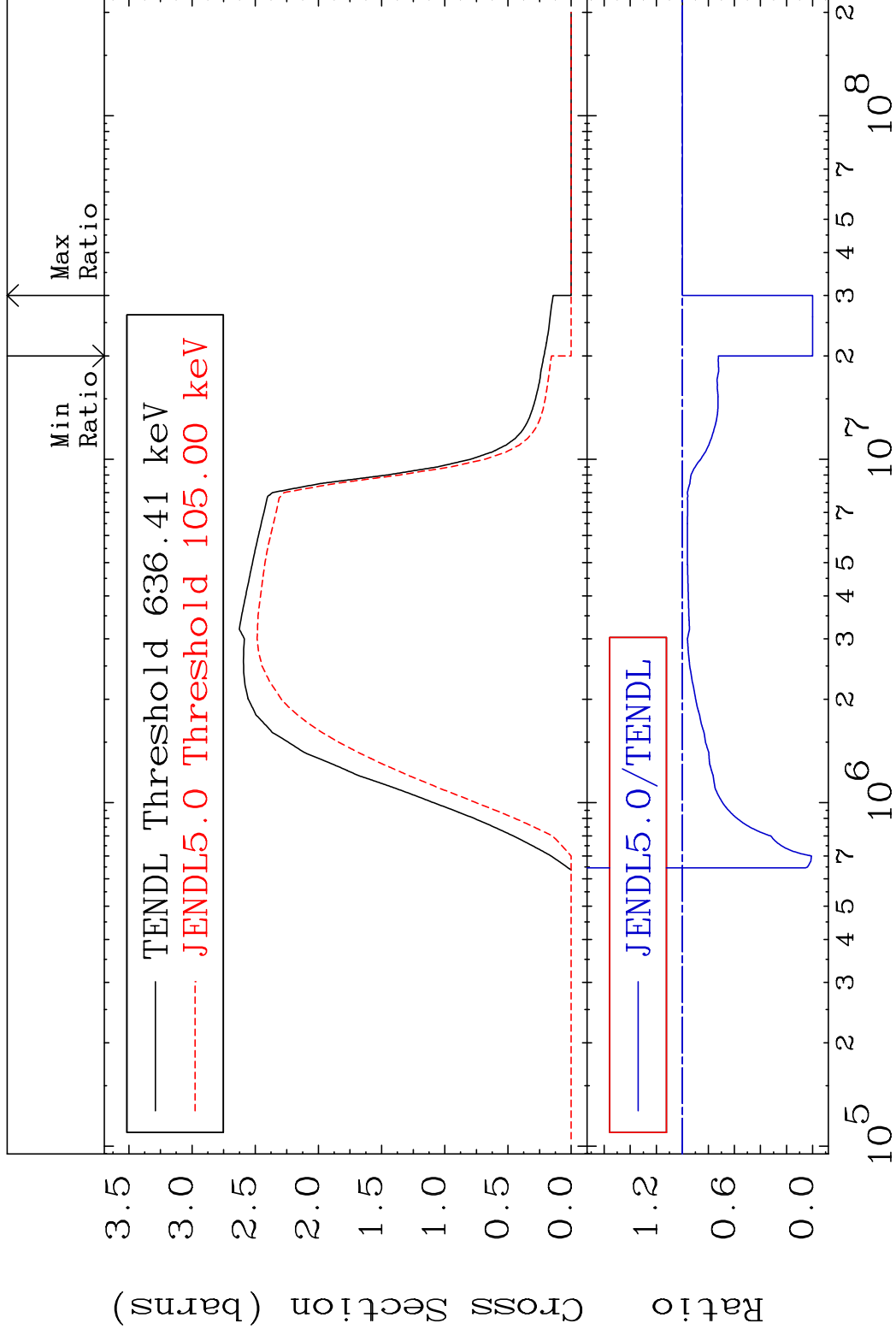


MAT 7125

(n, n') Continuum

71-Lu-175

Cross Section -100.0 To 0.000 %



29

Incident Energy (eV)

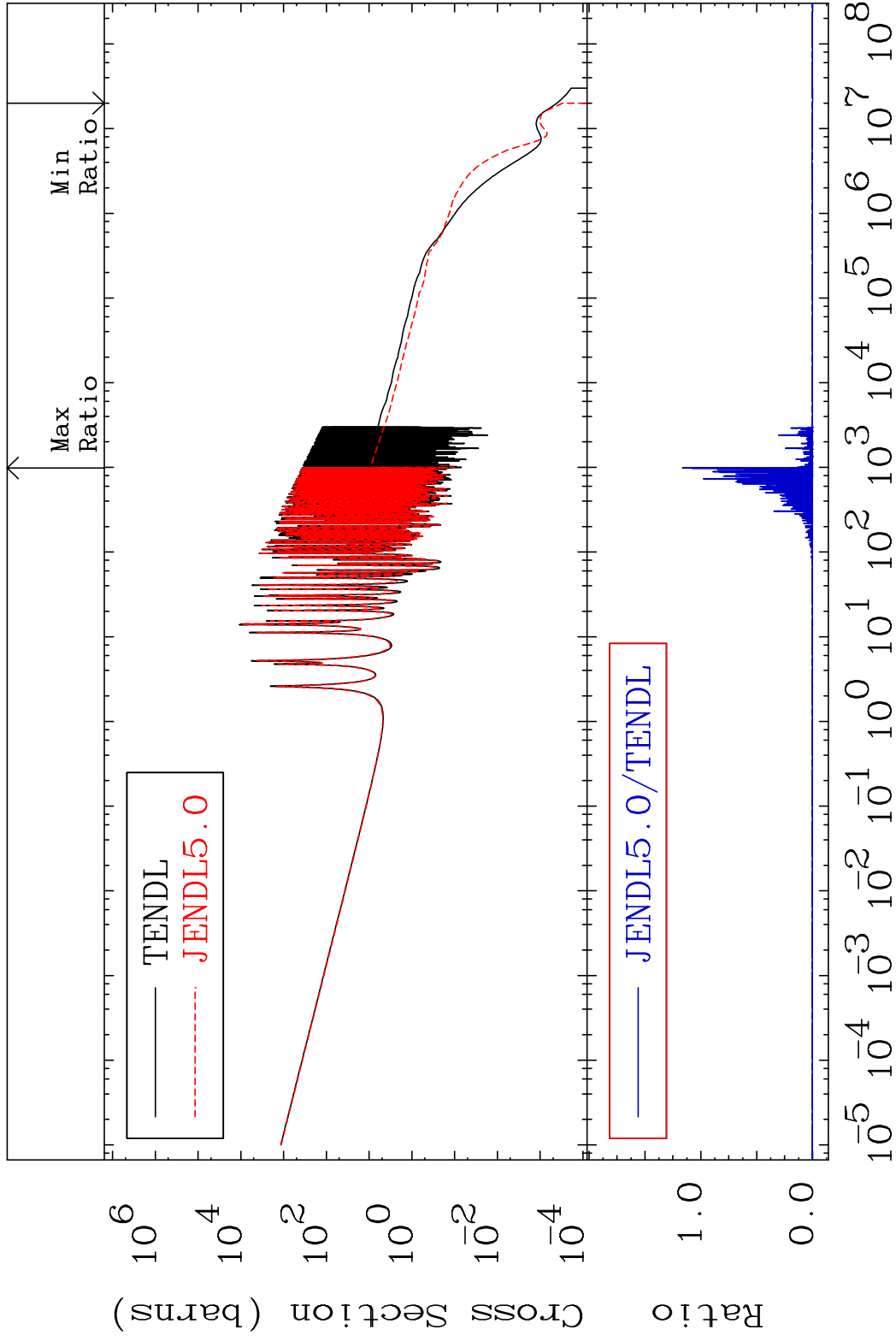
71-Lu-175

MAT 7125

(n, γ)

71-Lu-175

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

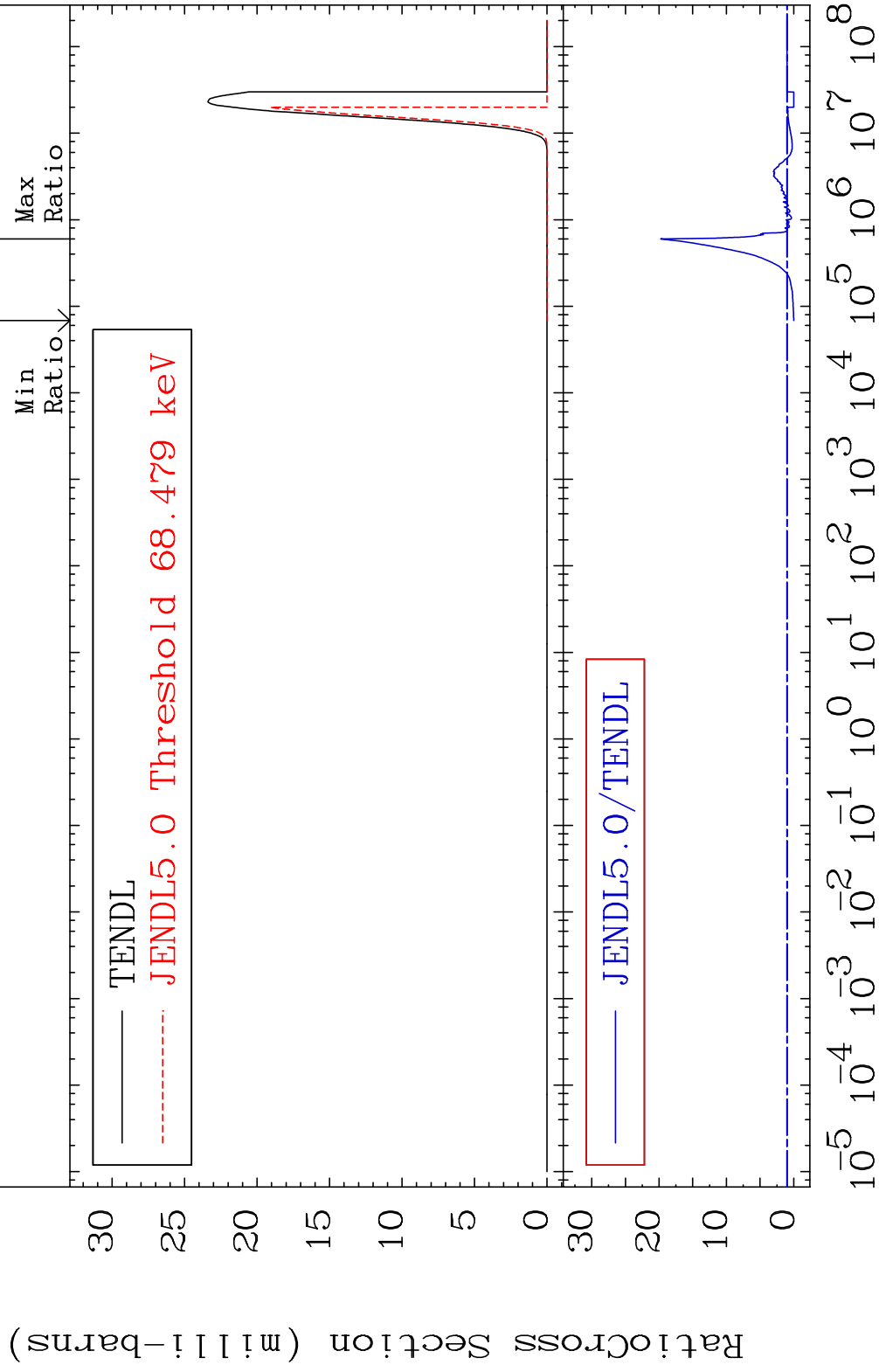
71-Lu-175

MAT 7125

(n, p)

71-Lu-175

Cross Section -100.0 To 1876. %

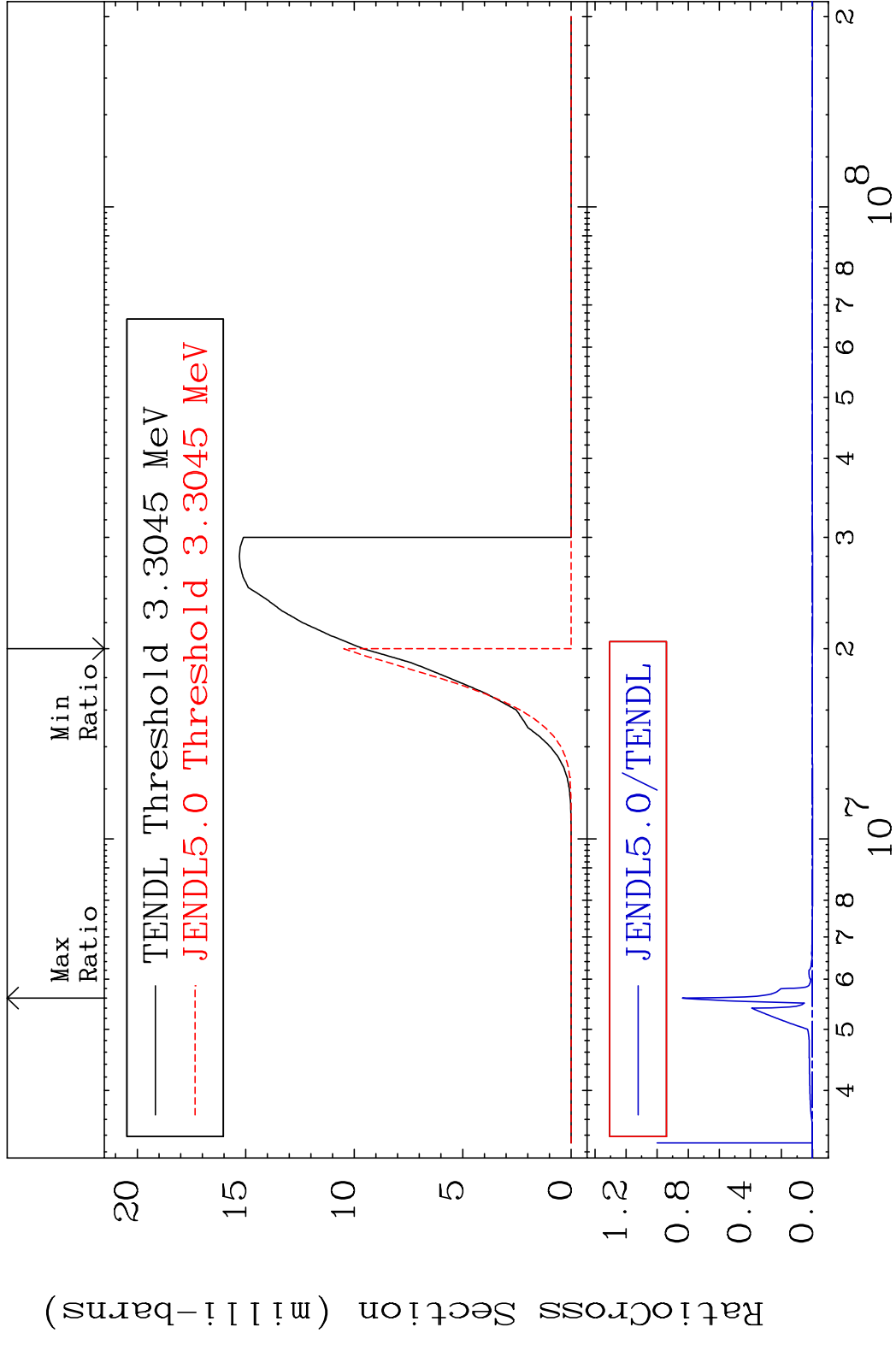


31

Incident Energy (eV)

71-Lu-175

MAT 7125 (n,d) 71-Lu-175
 Cross Section -100.0 To 9999. %

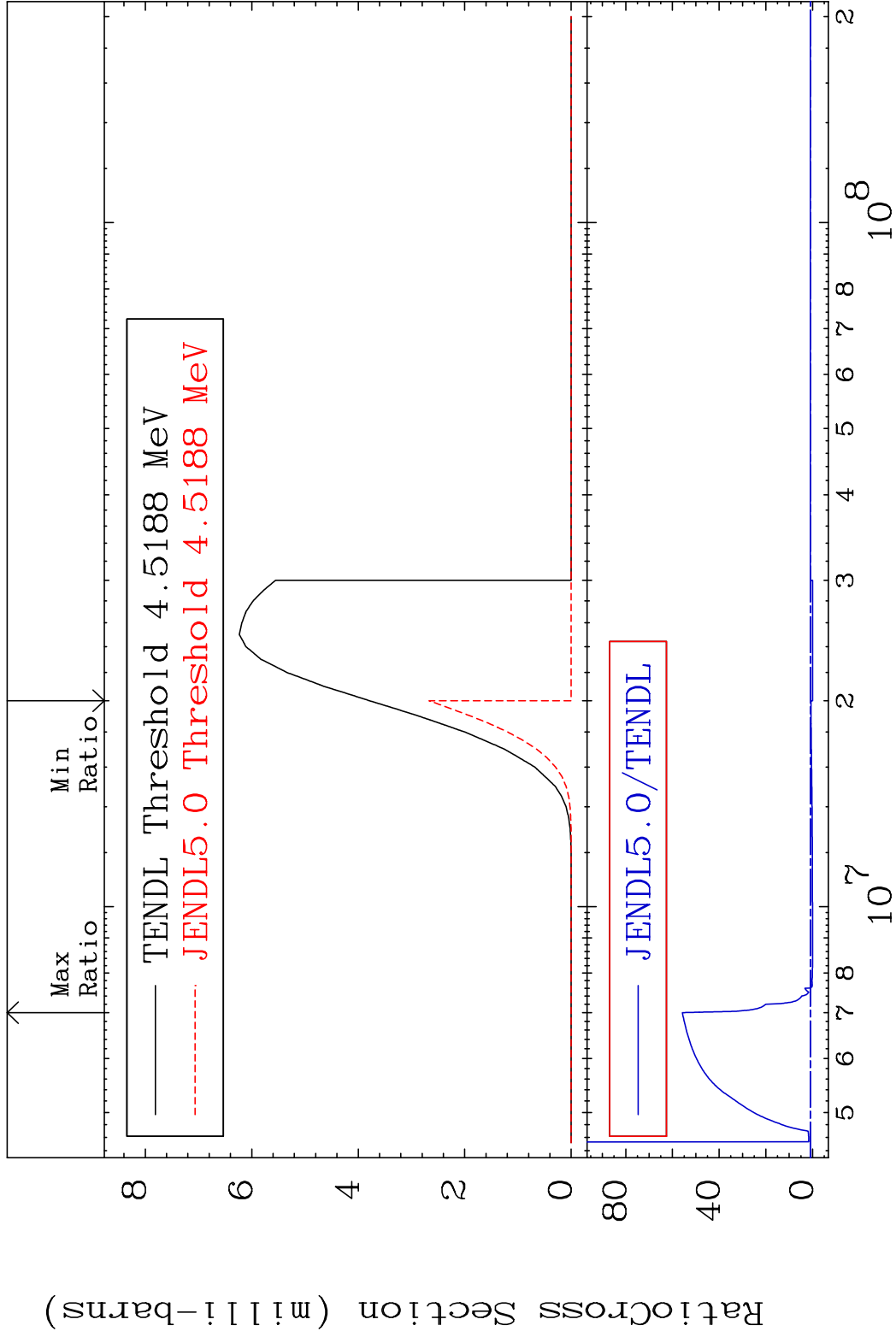


MAT 7125

(n, t)

71-Lu-175

Cross Section -100.0 To 5475. %

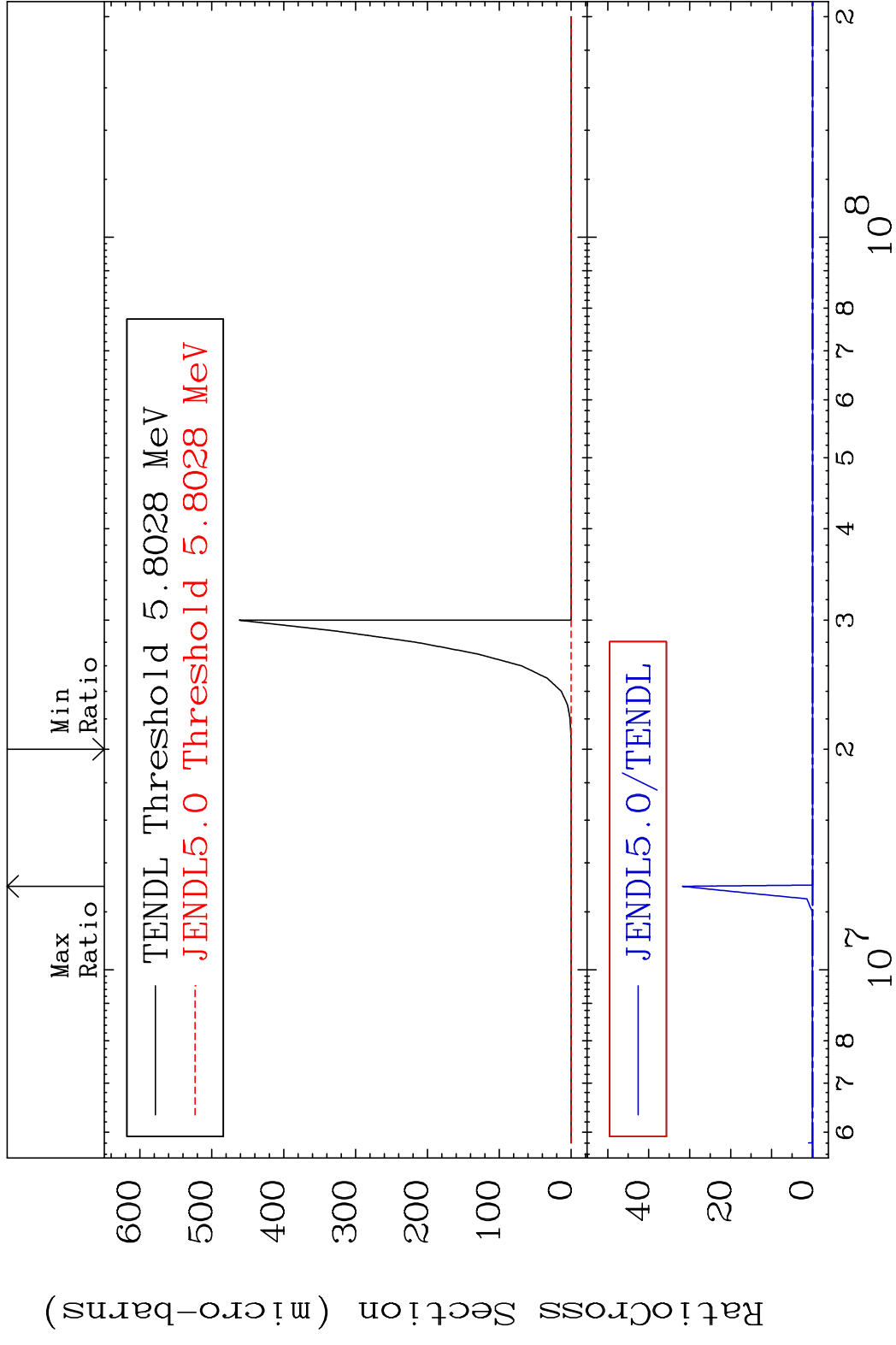


33

Incident Energy (eV)

71-Lu-175

MAT 7125 (n, He-3) 71-Lu-175
 Cross Section -100.0 To 9999. %

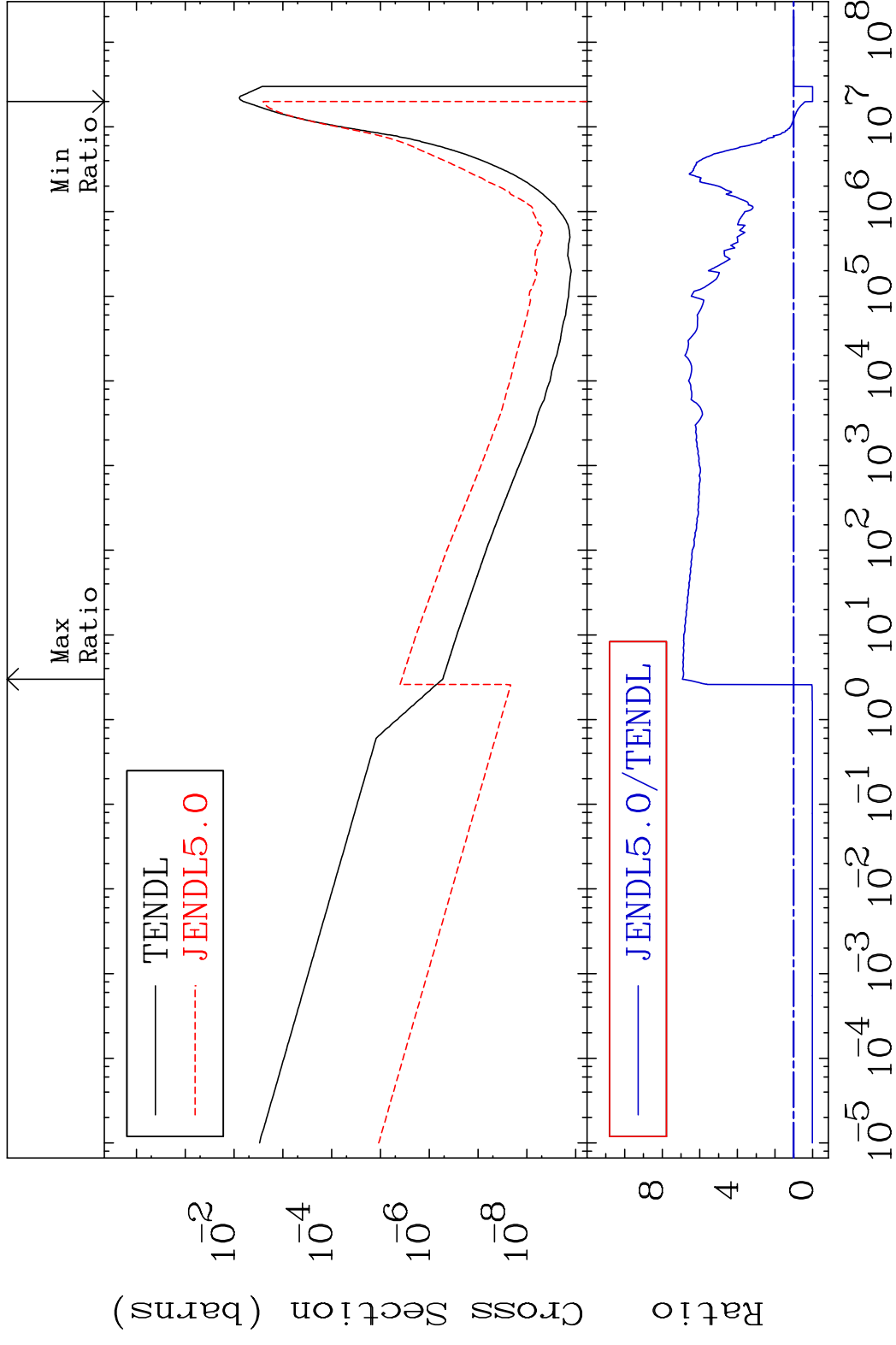


MAT 7125

71-Lu-175

(n, α)

Cross Section -100.0 To 592.8 %

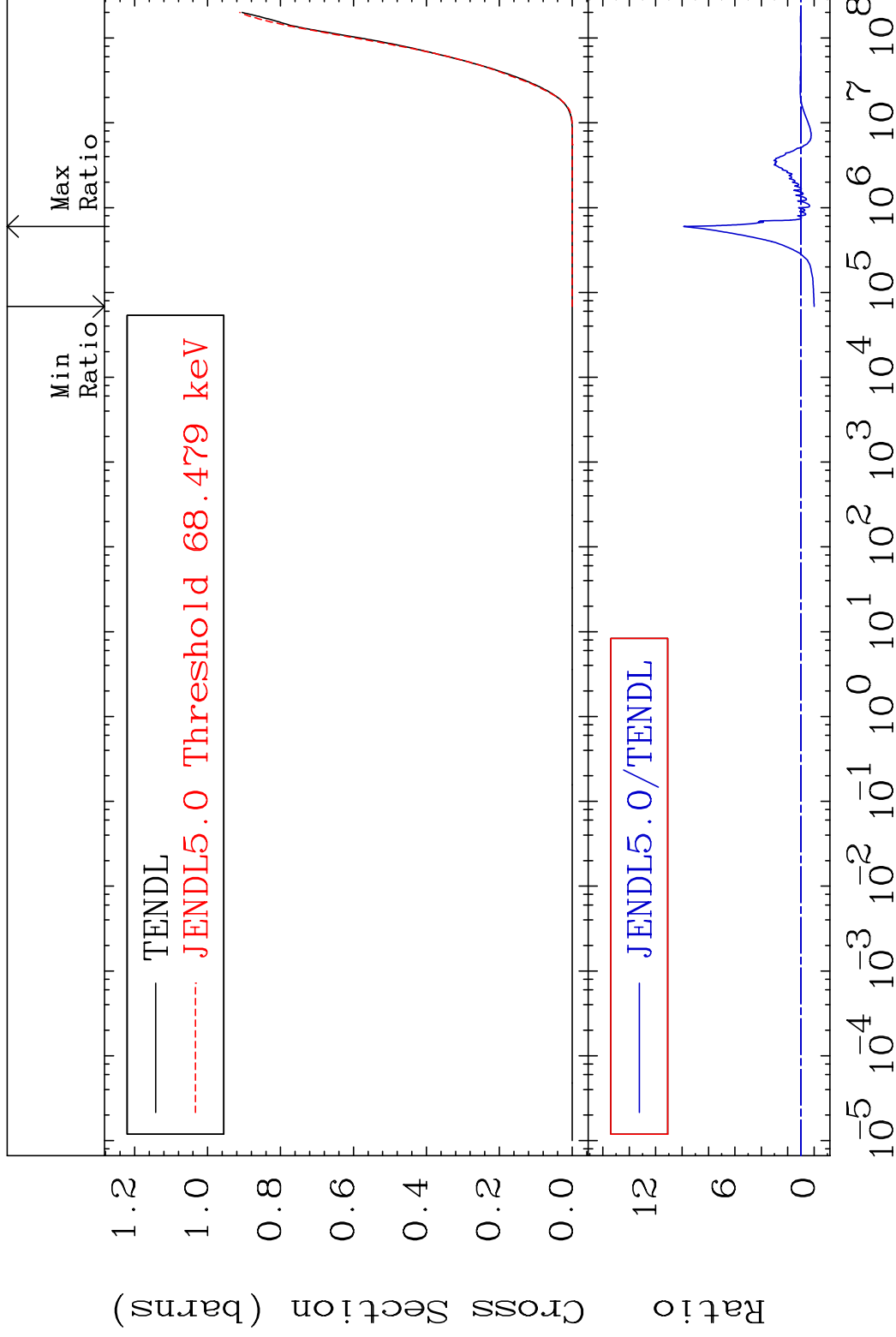


MAT 7125

Hydrogen Production

71-Lu-175

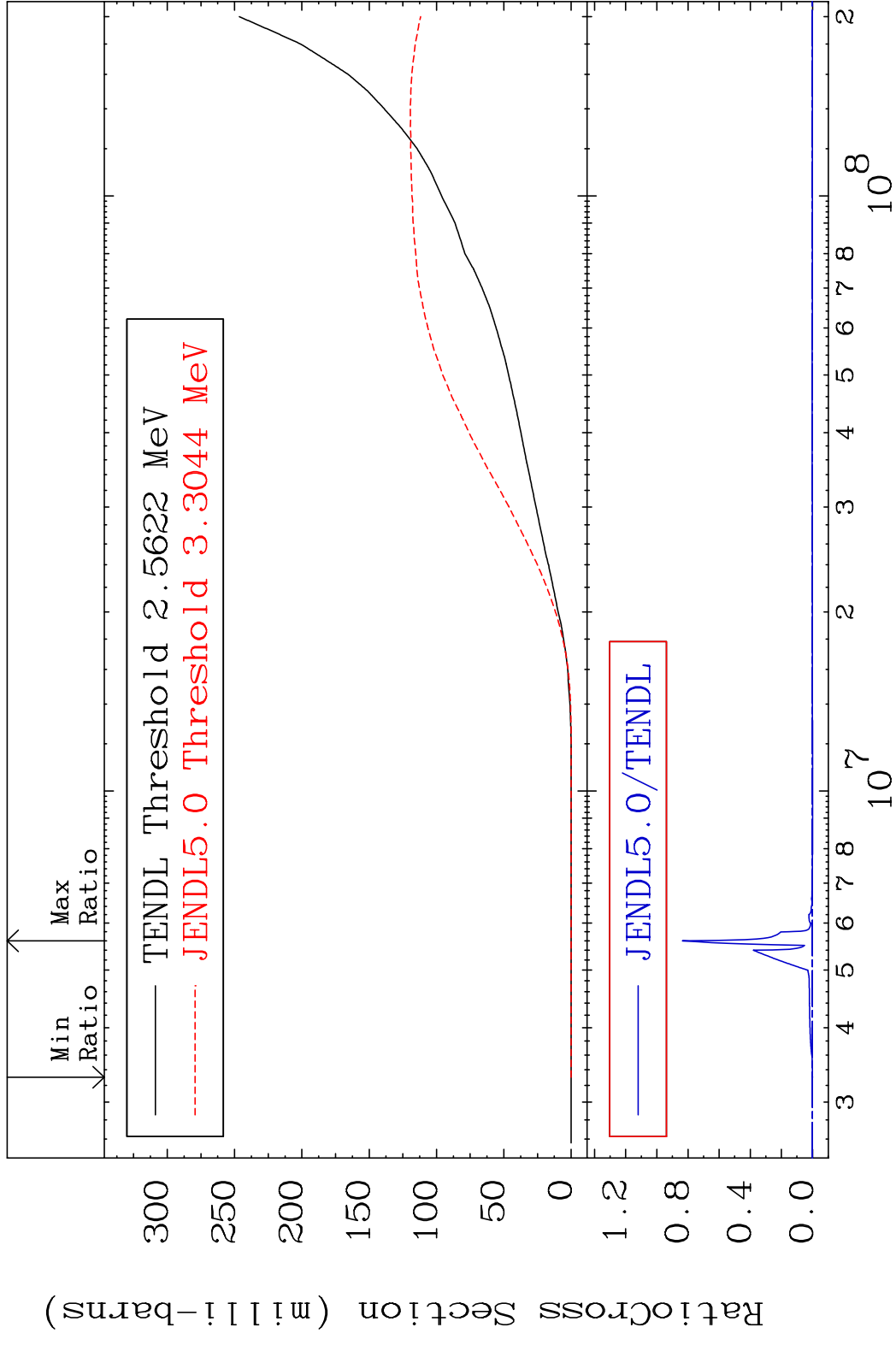
Cross Section -100.0 To 888.2 %



36

Incident Energy (eV)

71-Lu-175

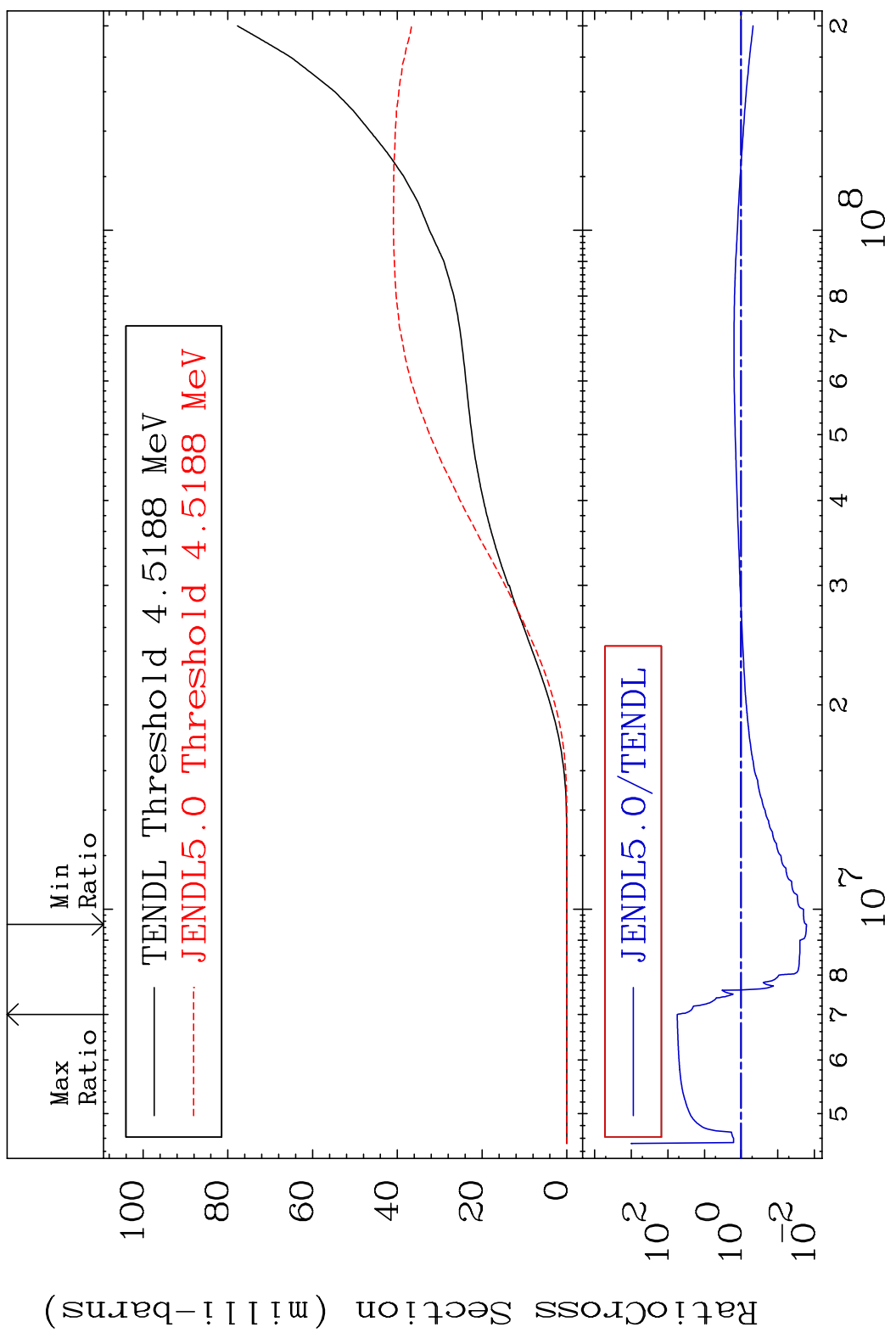


MAT 7125

Tritium Production

71-Lu-175

Cross Section -98.36 To 5475. %

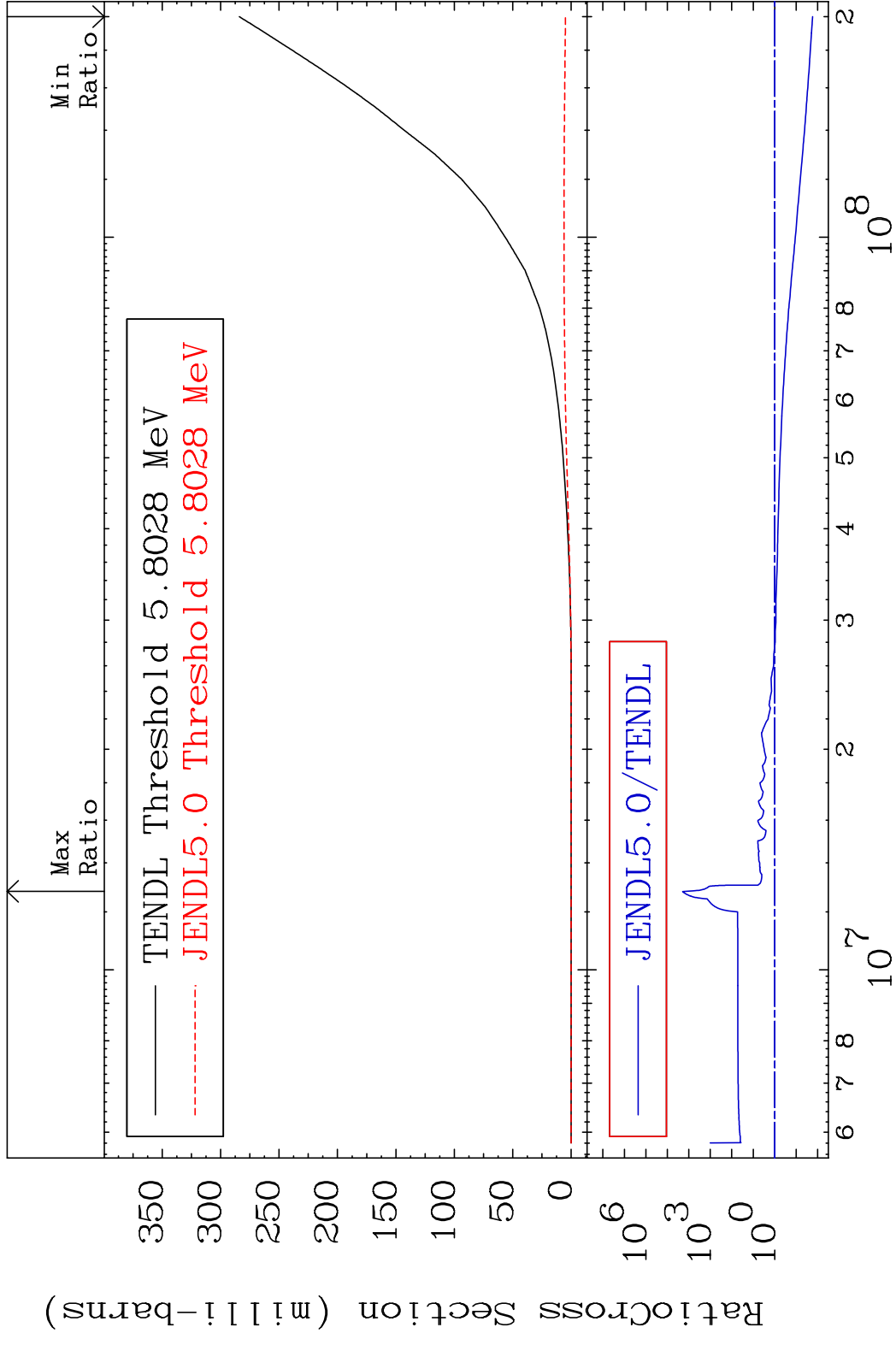


MAT 7125

He-3 Production

71-Lu-175

Cross Section -98.28 To 9999. %

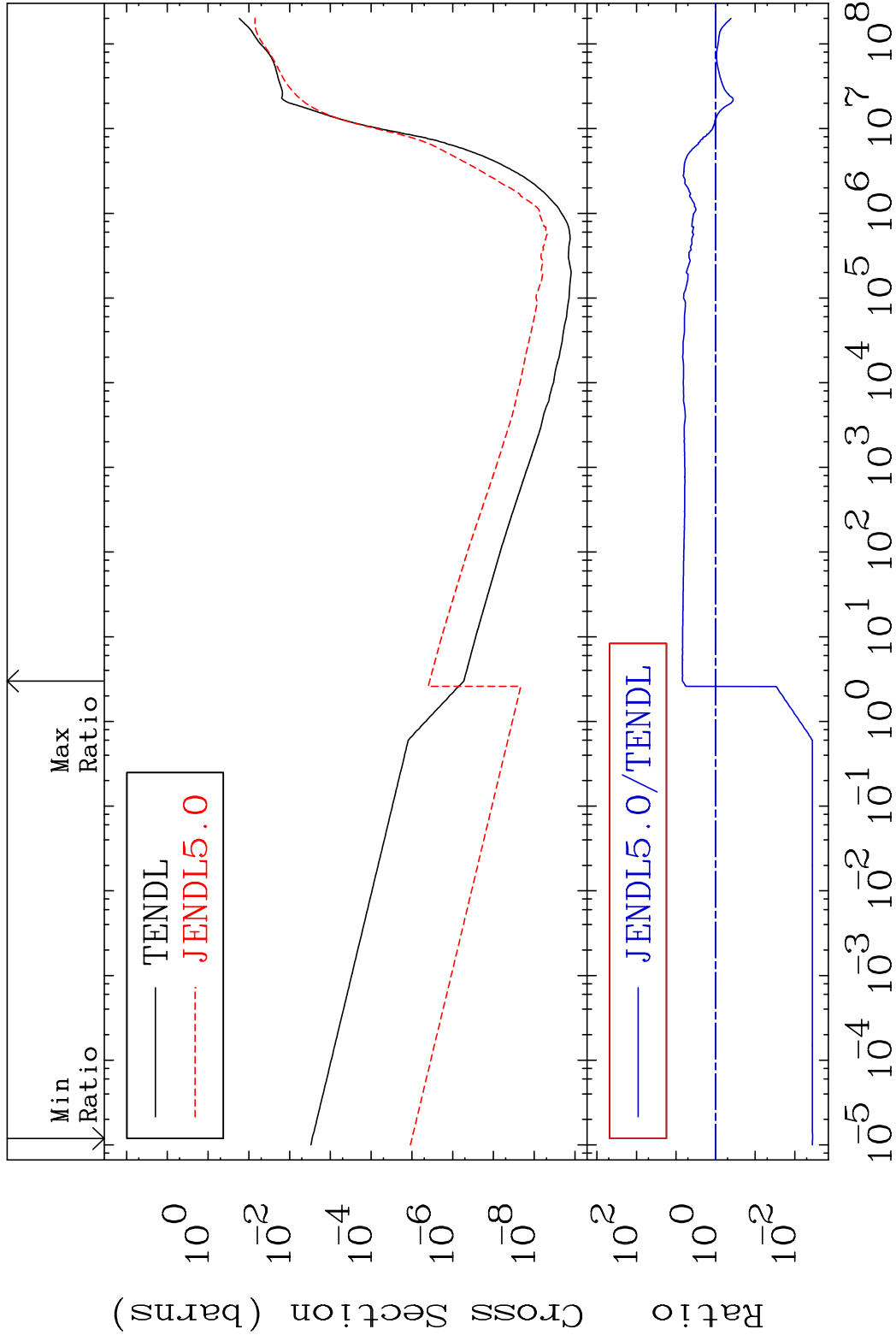


MAT 7125

He-4 Production

71-Lu-175

Cross Section -99.64 To 592.8 %

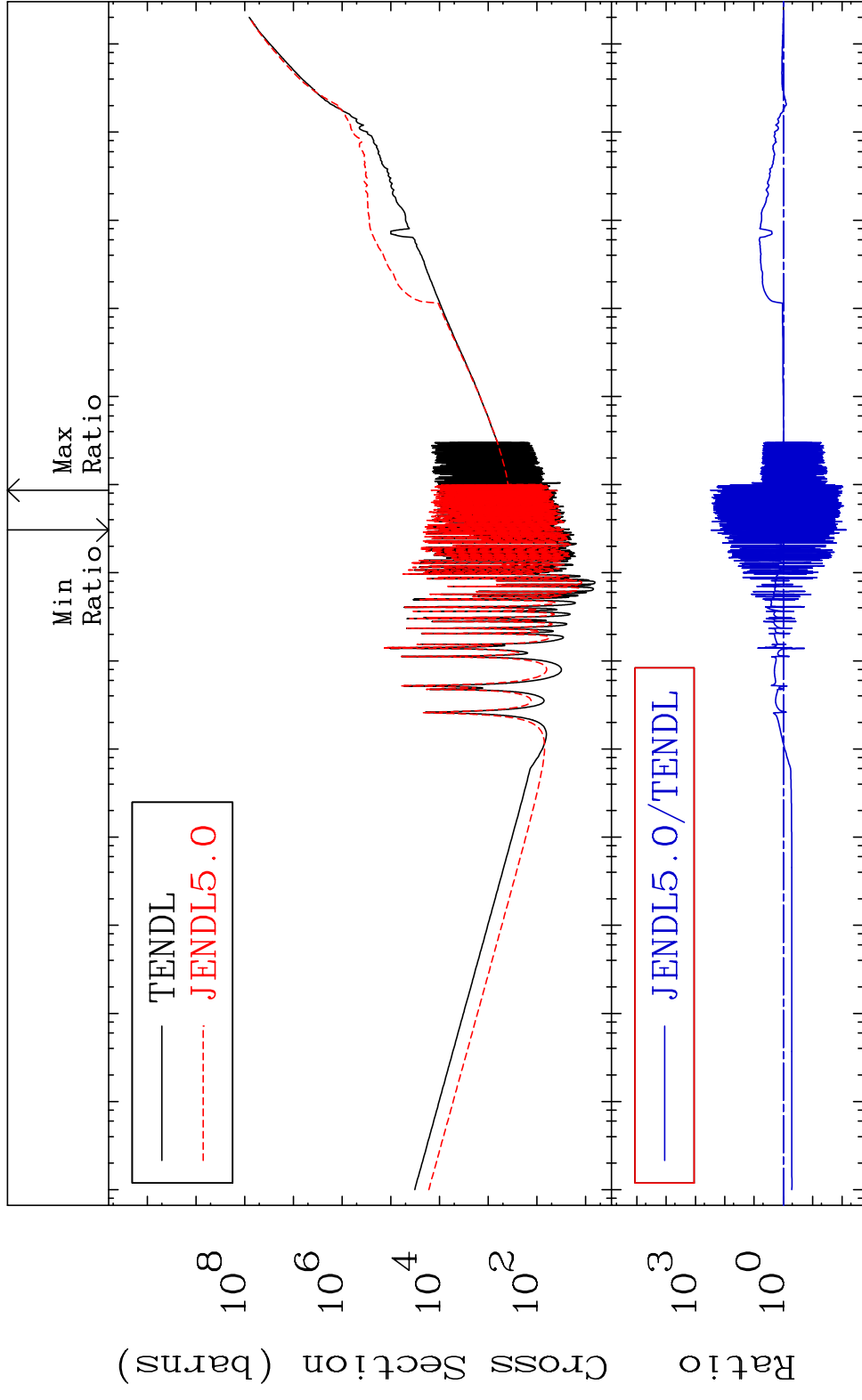


40

Incident Energy (eV)

71-Lu-175

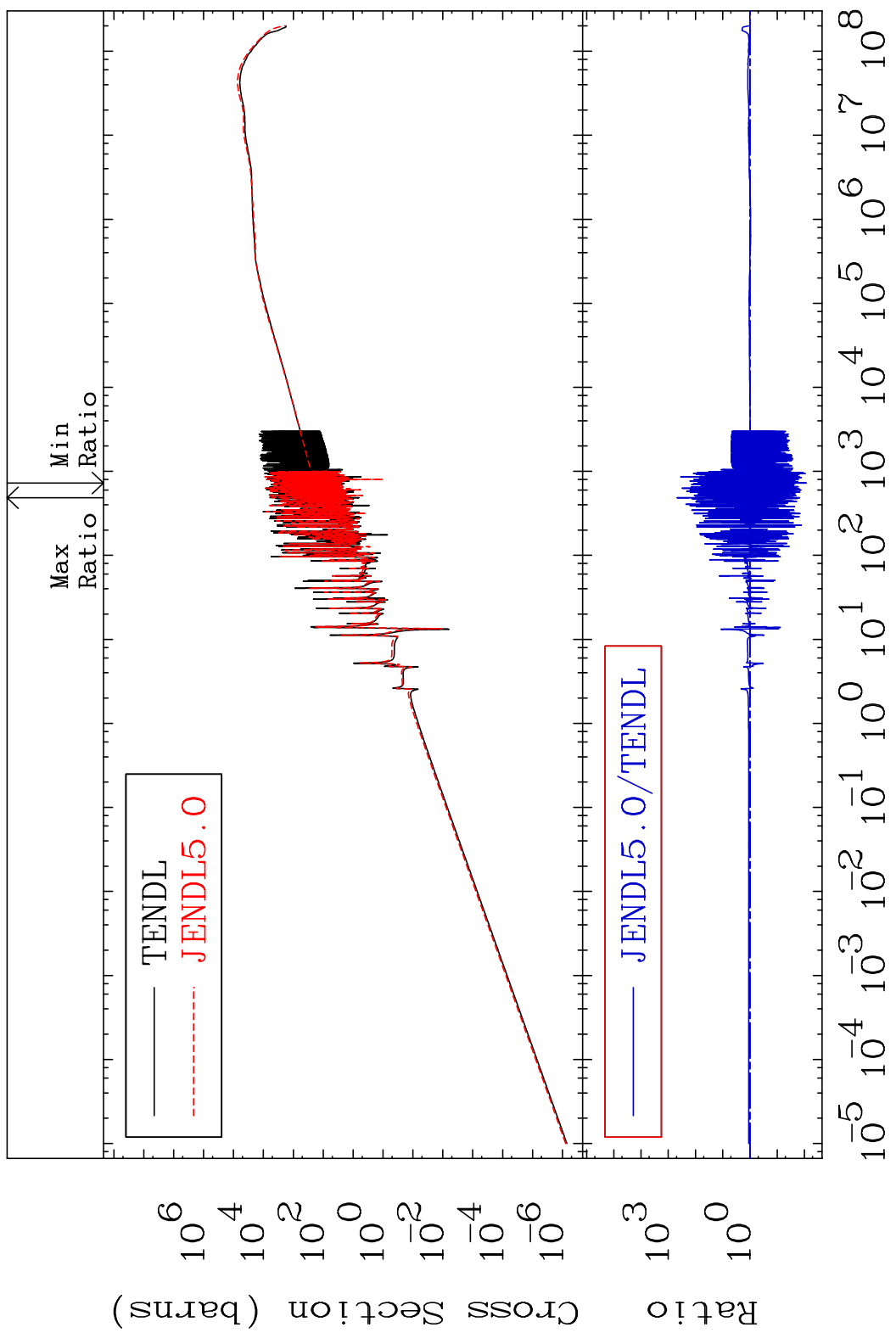
MAT 7125 Kerma total (eV-barns) 71-Lu-175
 Cross Section -99.29 To 9999. %



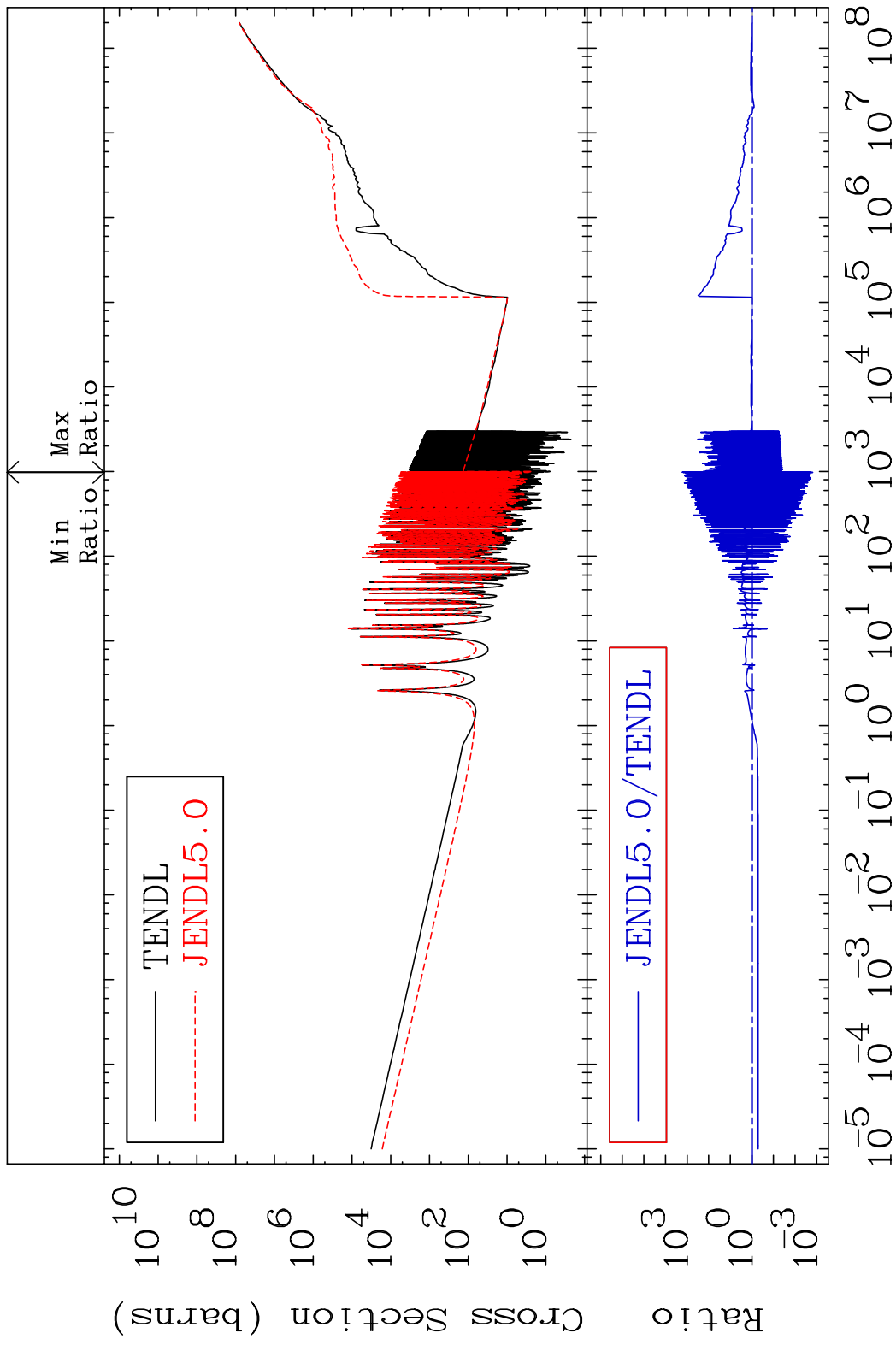
MAT 7125

Kerma elastic
Cross Section -99.16 To 9999. %

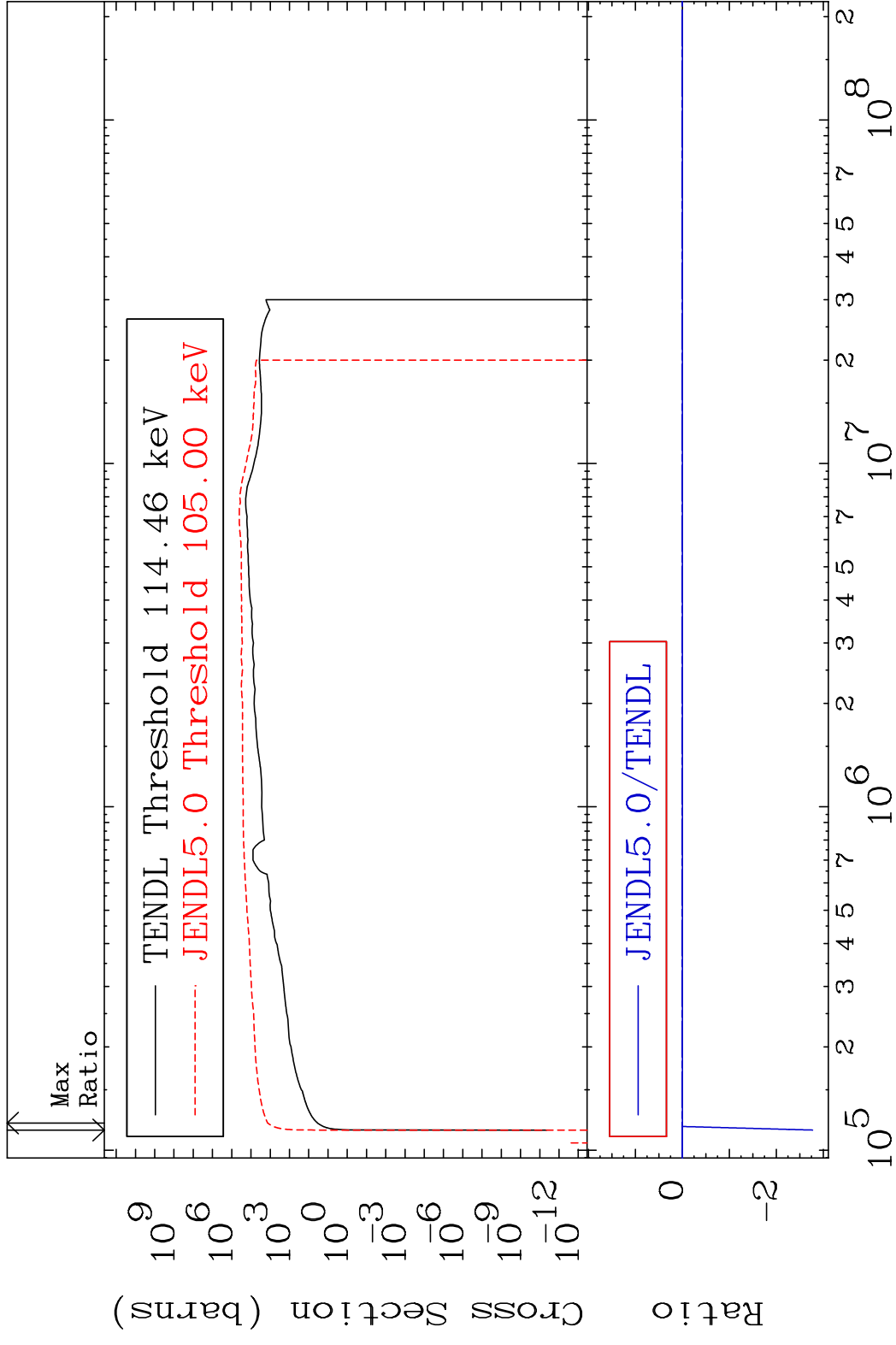
71-Lu-175



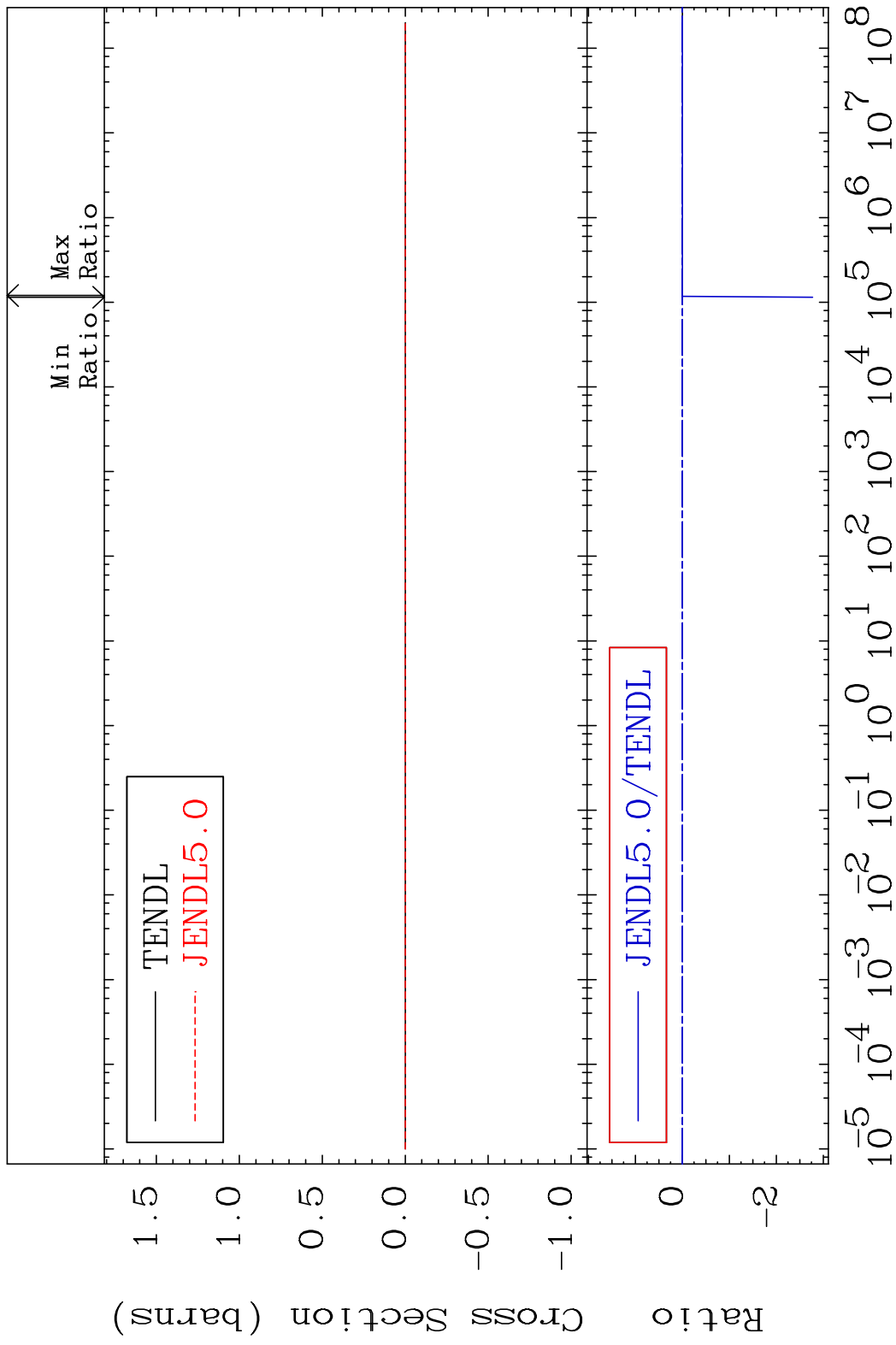
MAT 7125 Kerma non-elastic (all but mt2) 71-Lu-175
 Cross Section -99.84 To 9999. %



MAT 7125 Kerma inelastic (mt51-91) 71-Lu-175
 Cross Section -9999. To 9999. %

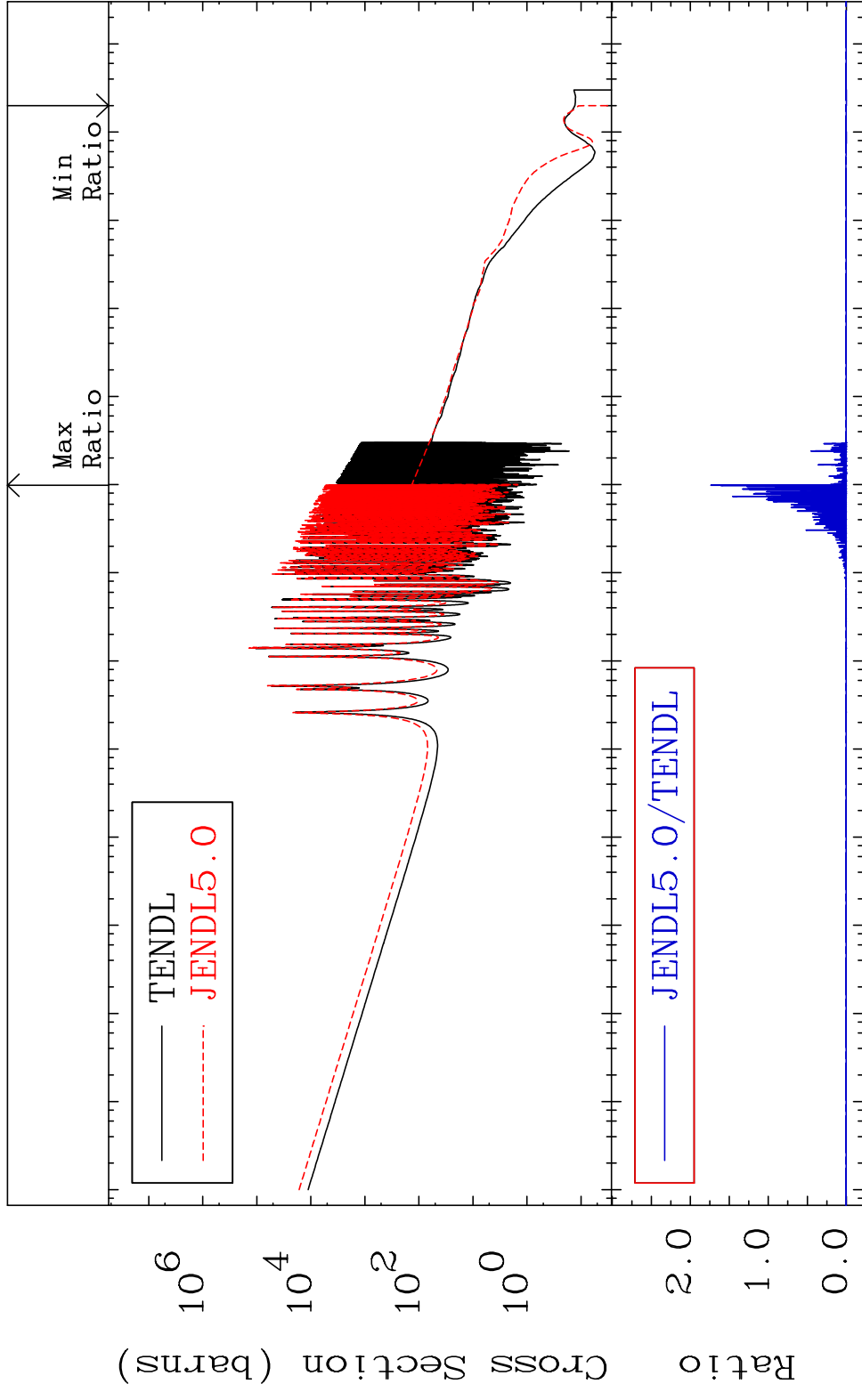


MAT 7125 Kerma fission (mt18 or mt19-20-21-38) 71-Lu-175
 Cross Section -9999. To 9999. %

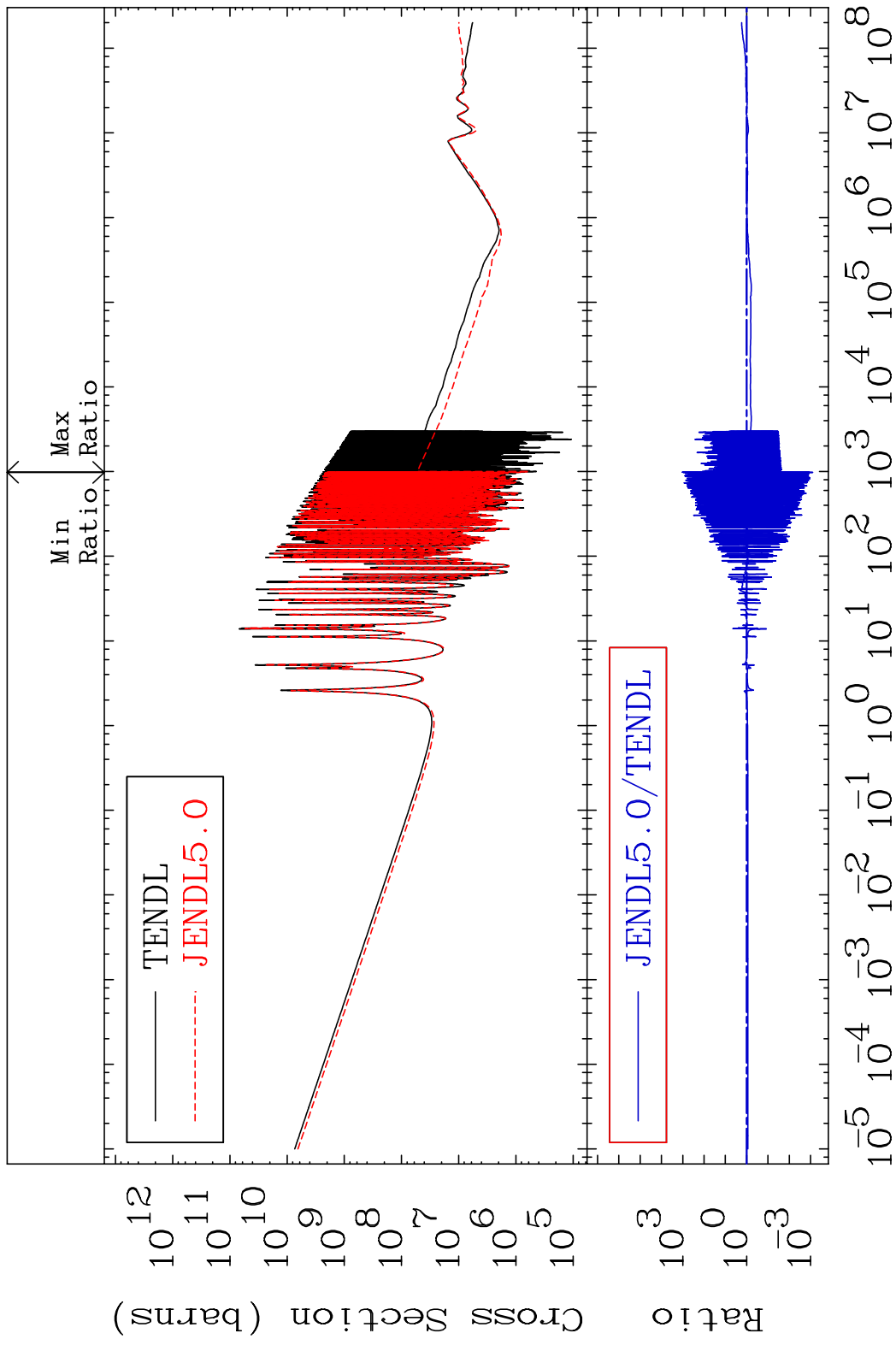


MAT 7125

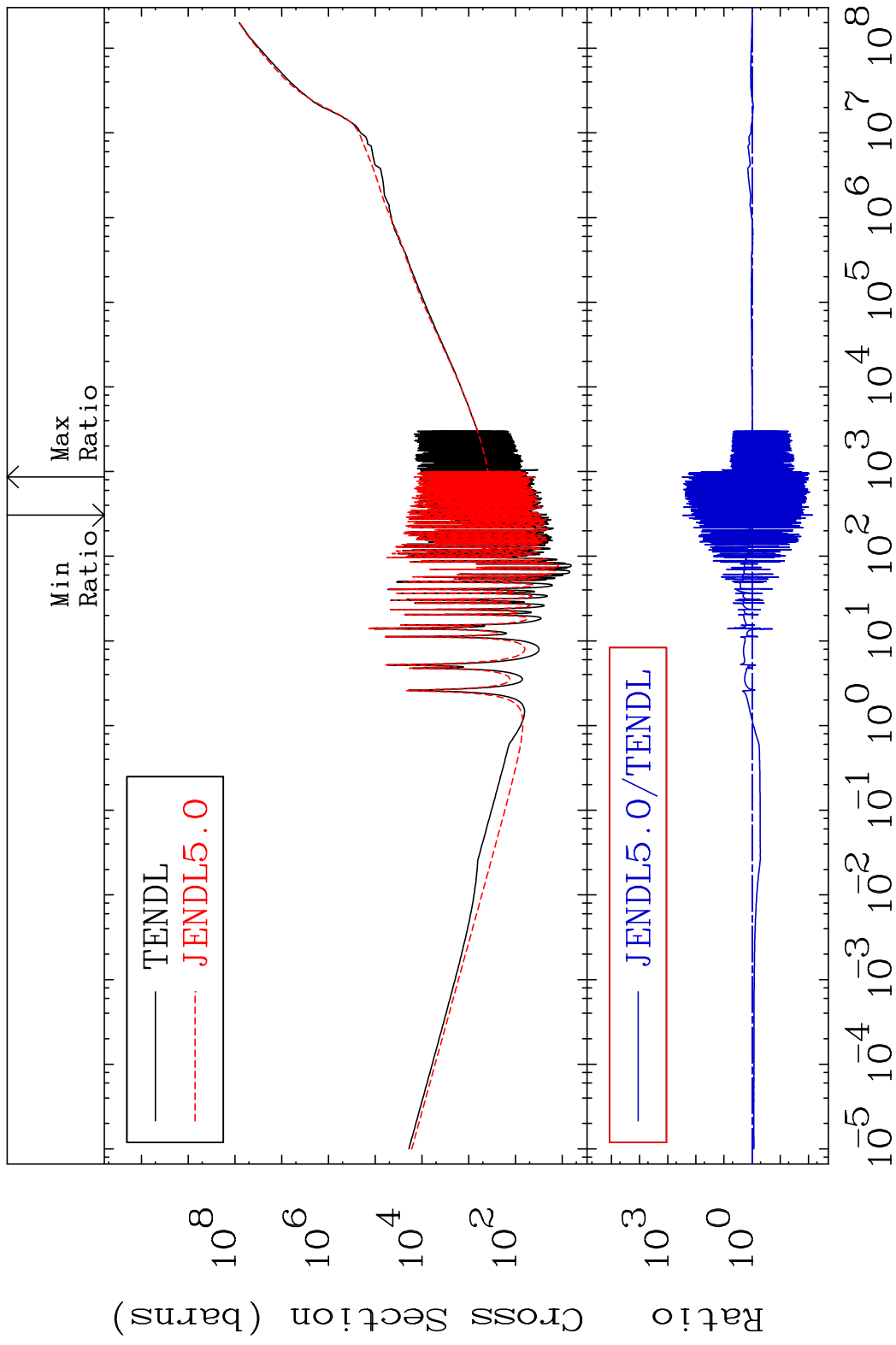
Kerma capture (mt102) 71-Lu-175
Cross Section -100.0 To 9999. %



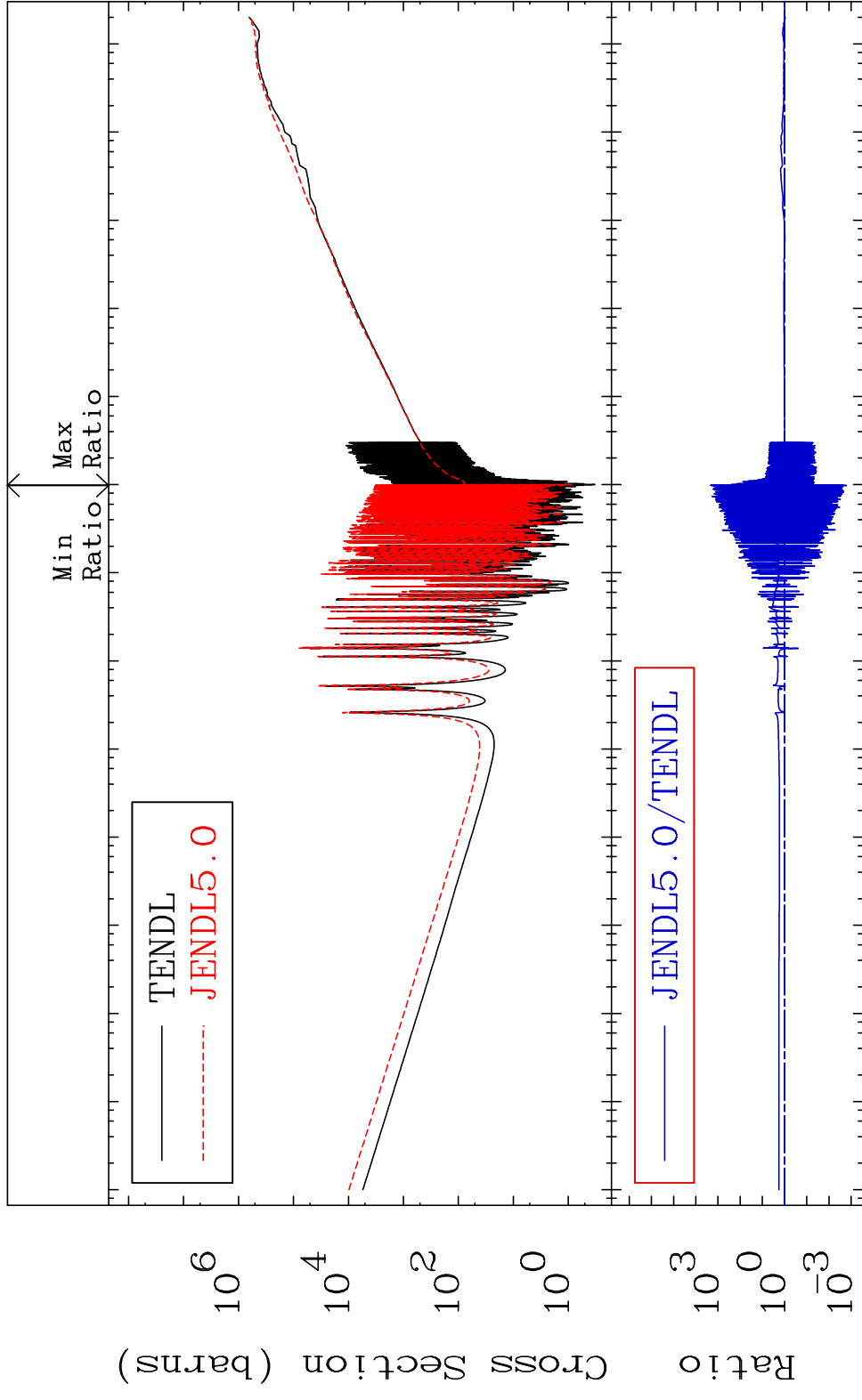
MAT 7125 Total photon (eV-barns) 71-Lu-175
 Cross Section -99.92 To 9999. %



MAT 7125 Total kinematic kerma (high limit) 71-Lu-175
 Cross Section -99.29 To 9999. %



MAT 7125 Dpa total (eV-barns) 71-Lu-175
 Cross Section -99.84 To 9999. %



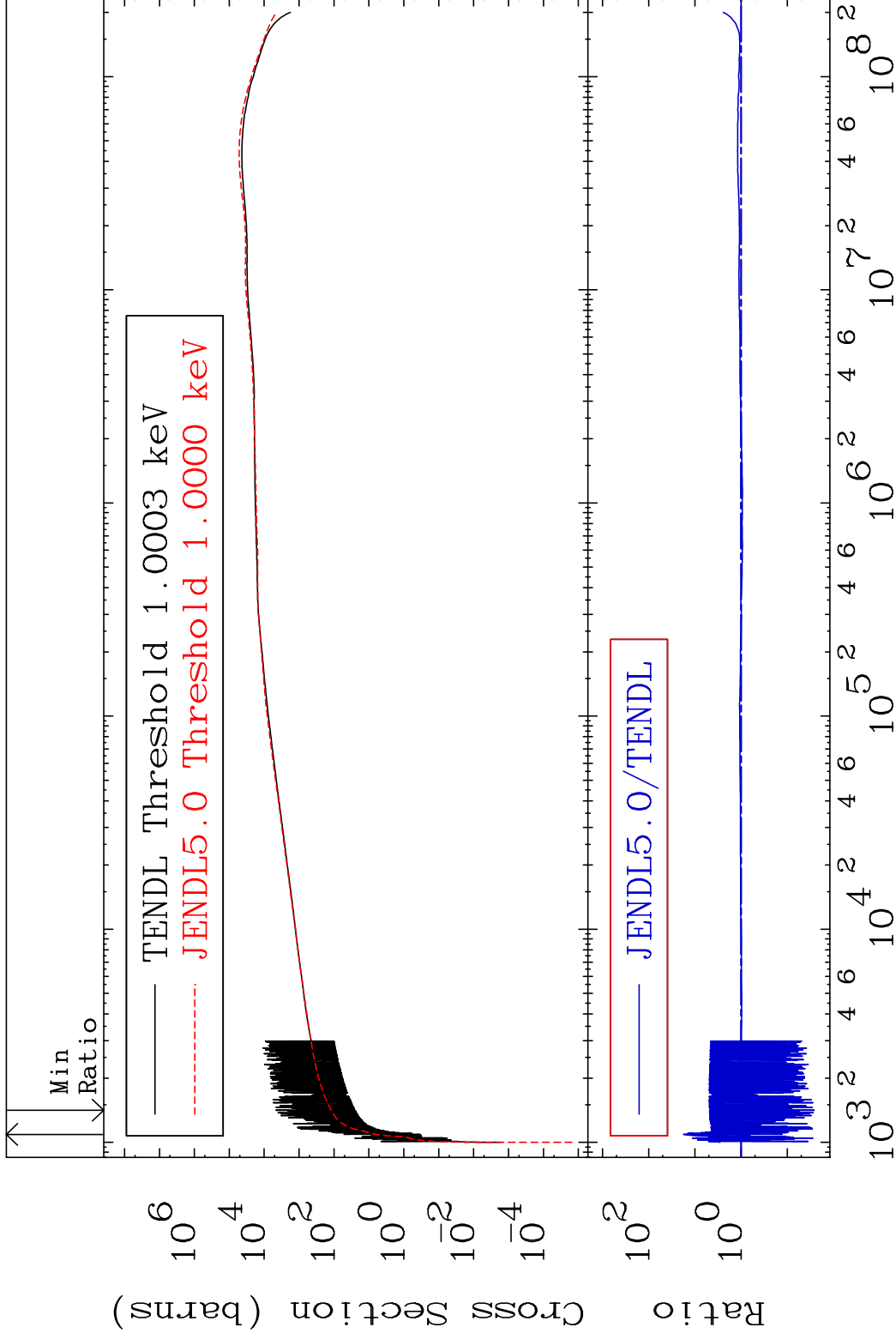
49 Incident Energy (eV) 71-Lu-175

MAT 7125

Dpa elastic (mt2)

71-Lu-175

Cross Section -97.34 To 1672. %

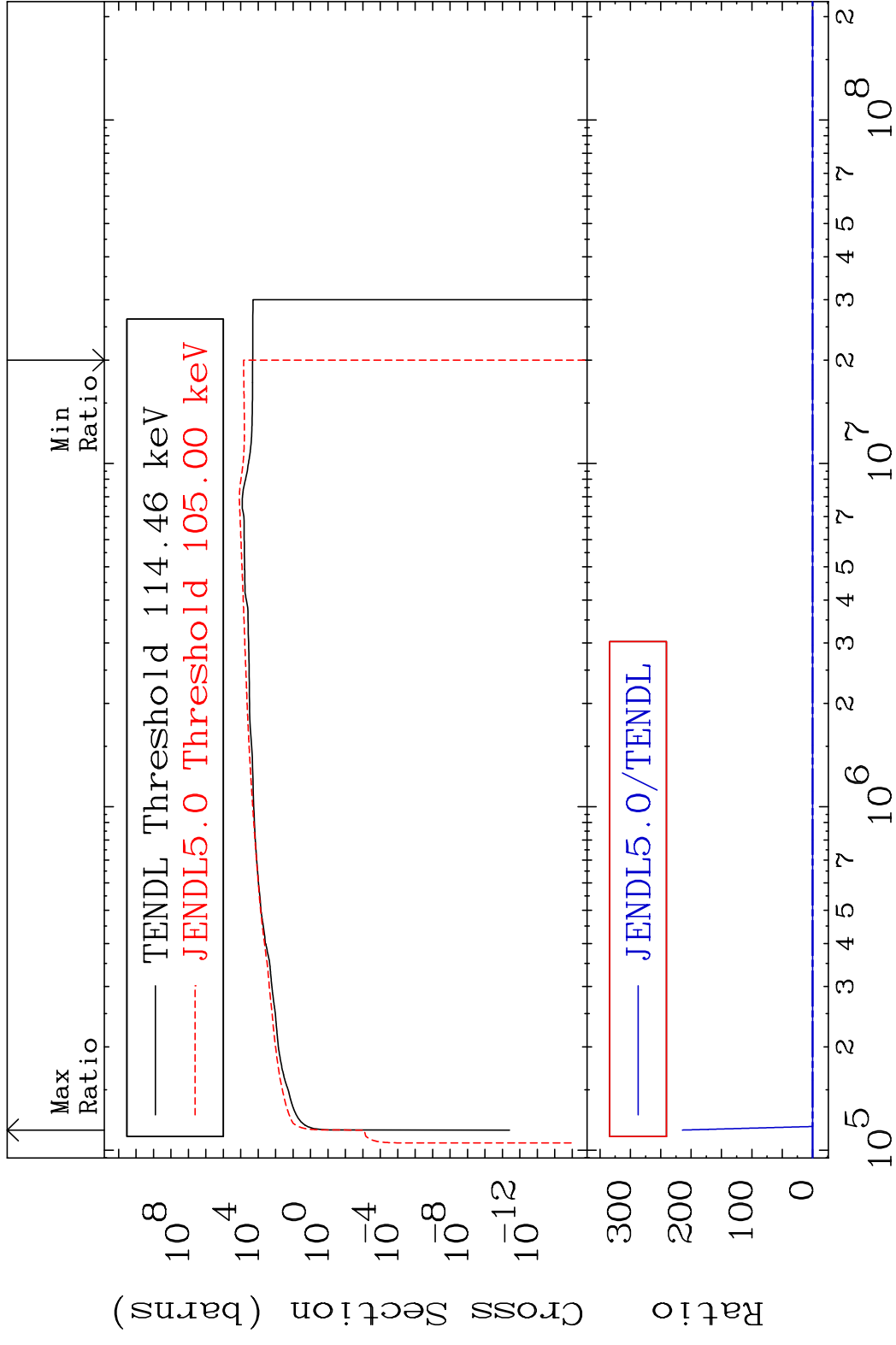


50

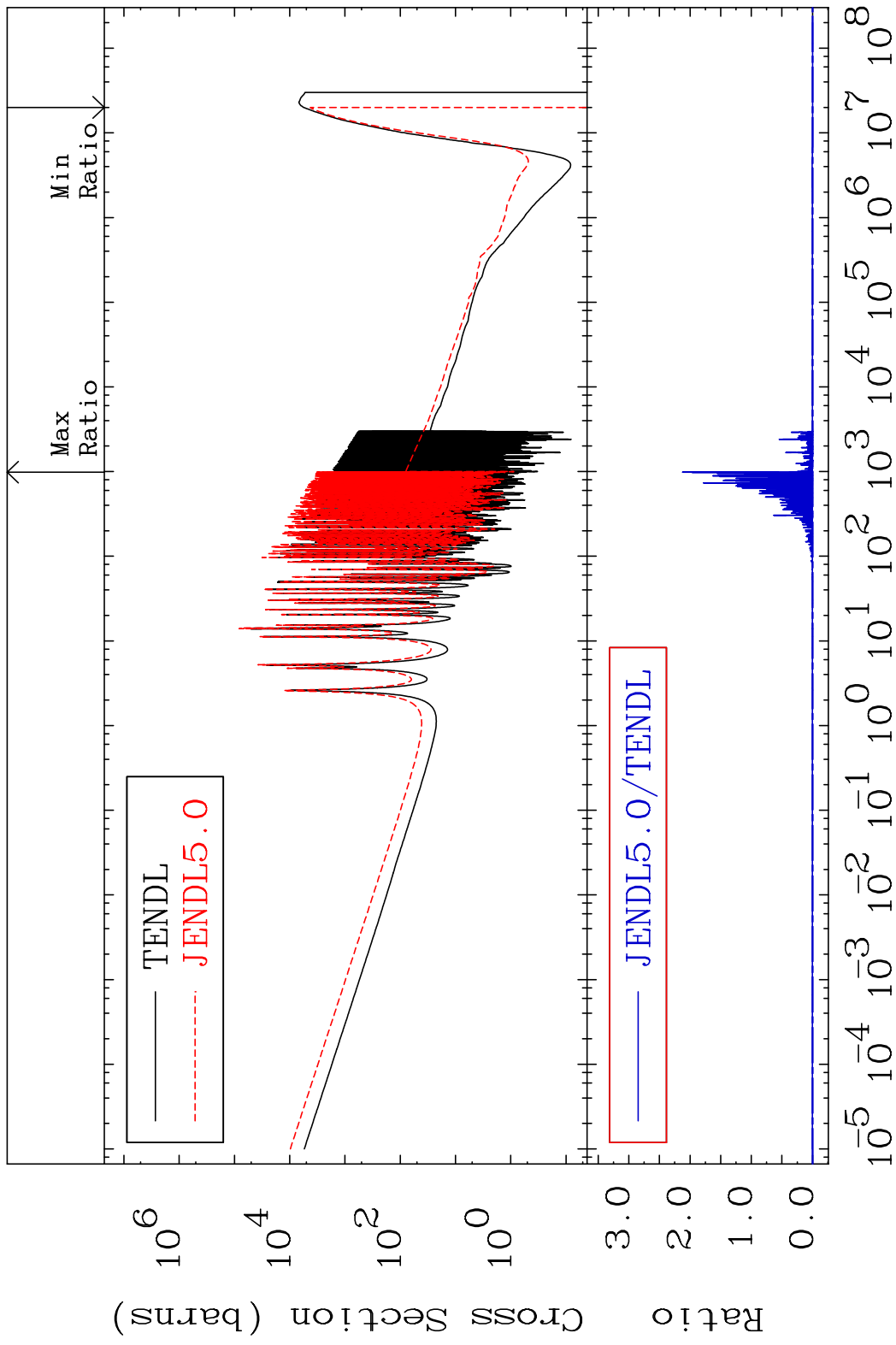
Incident Energy (eV)

71-Lu-175

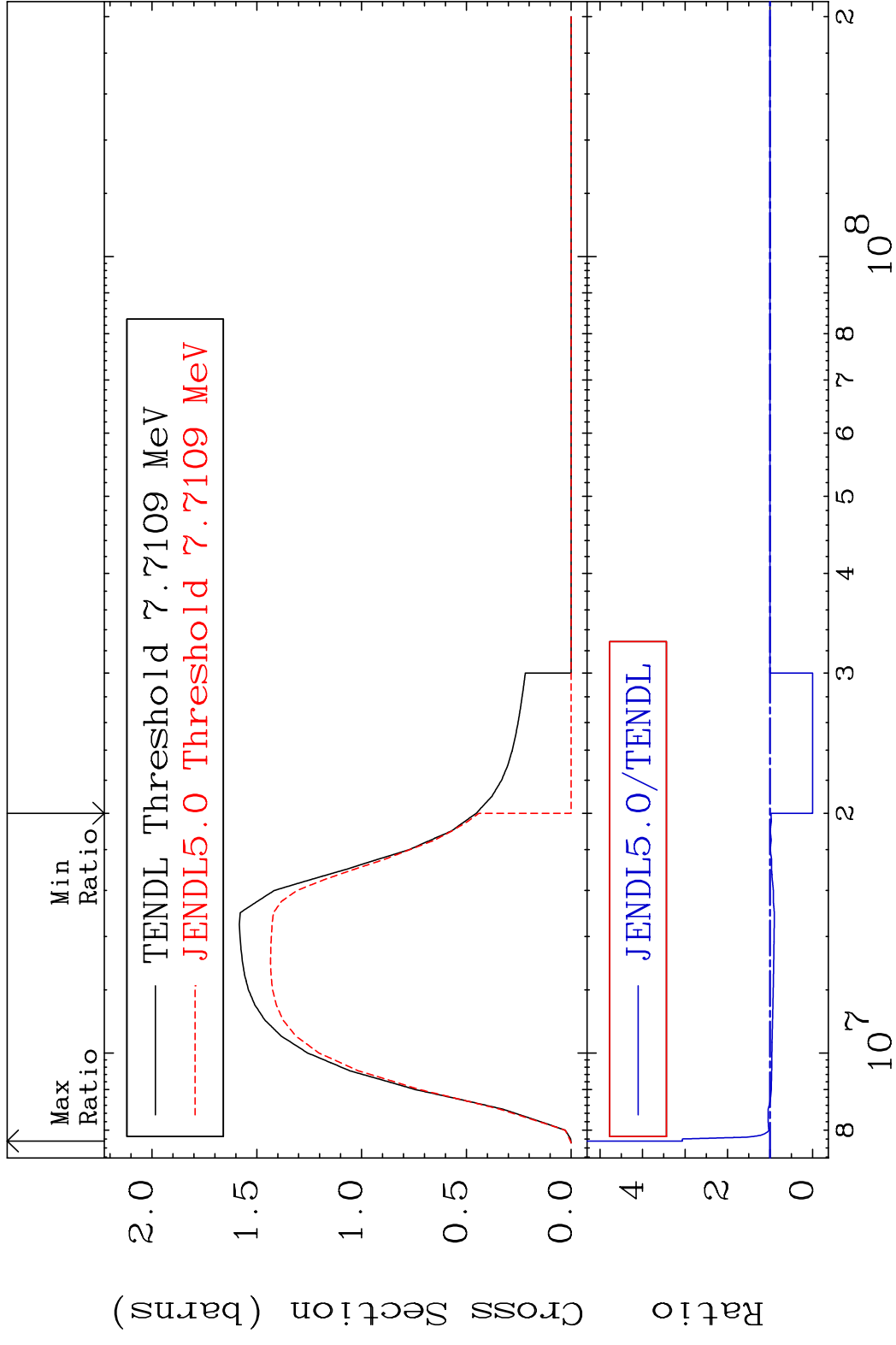
MAT 7125 Dpa inelastic (mt51-91) 71-Lu-175
 Cross Section -100.0 To 9999. %

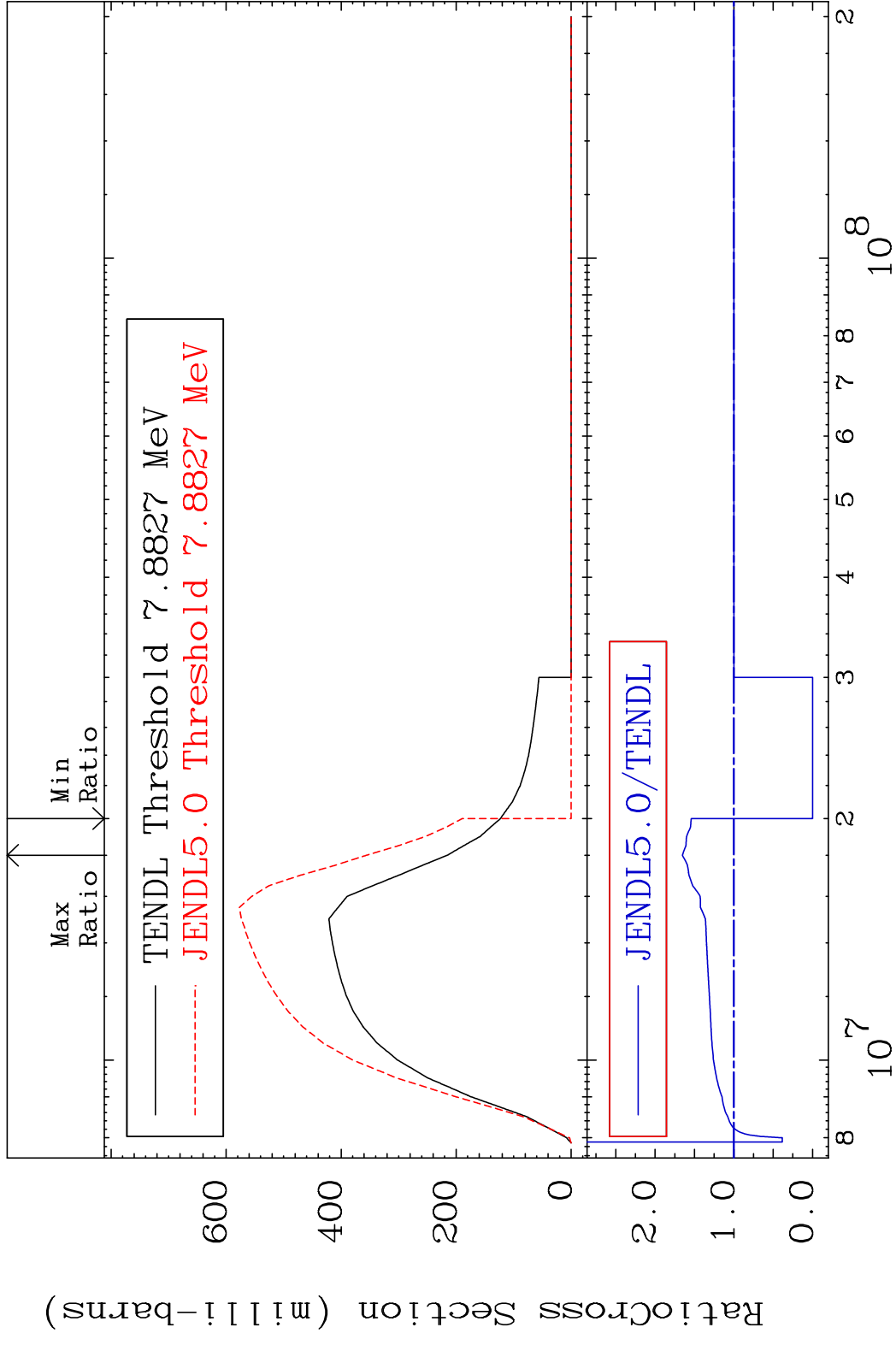


MAT 7125 Dpa disappearance (mt102 -120) 71-Lu-175
 Cross Section -100.0 To 9999. %

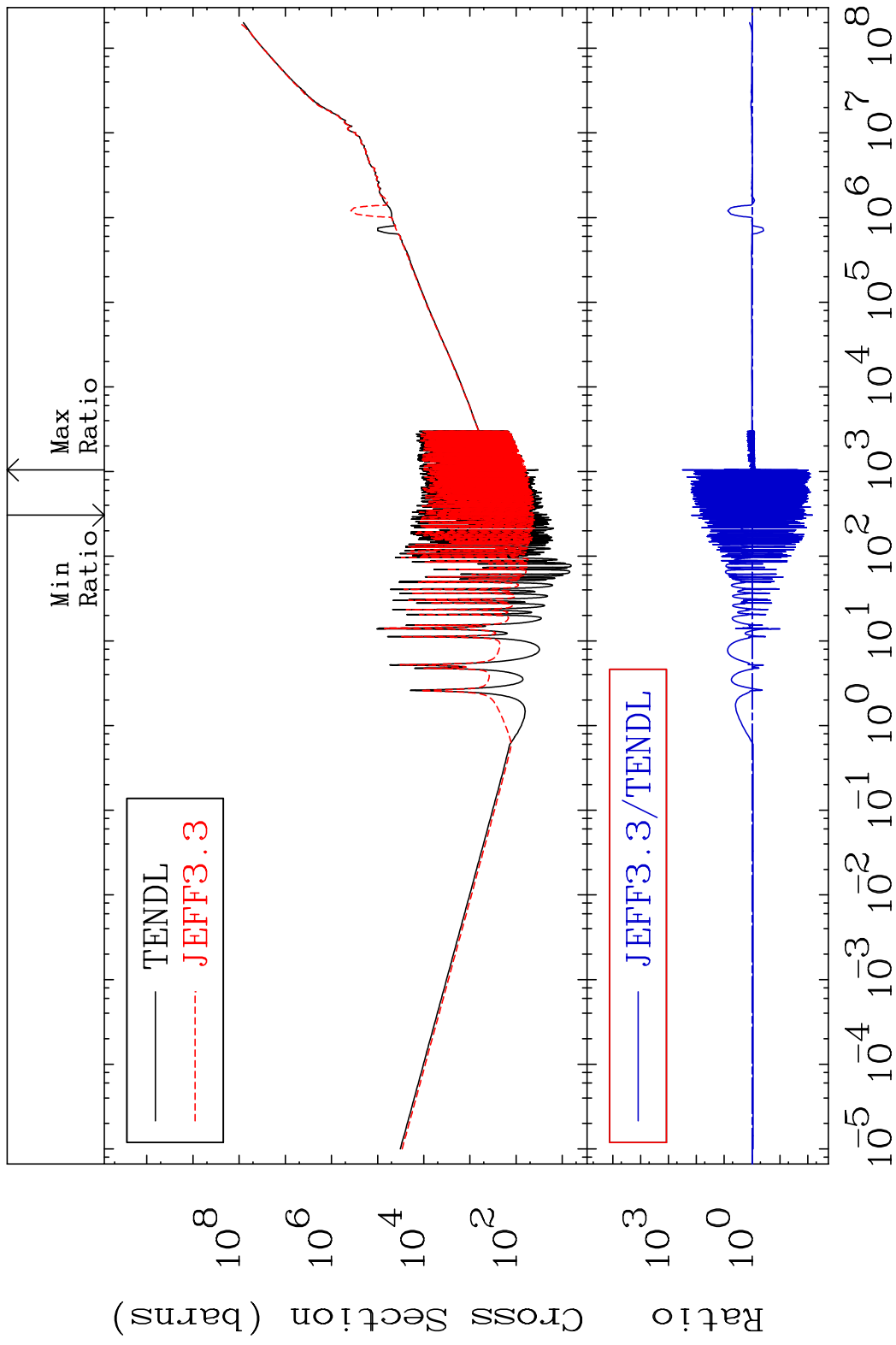


MAT 7125 (n,2n):71-Lu-174g 71-Lu-175
 Radionuclide Production Cross Section Ratio 206.3 %





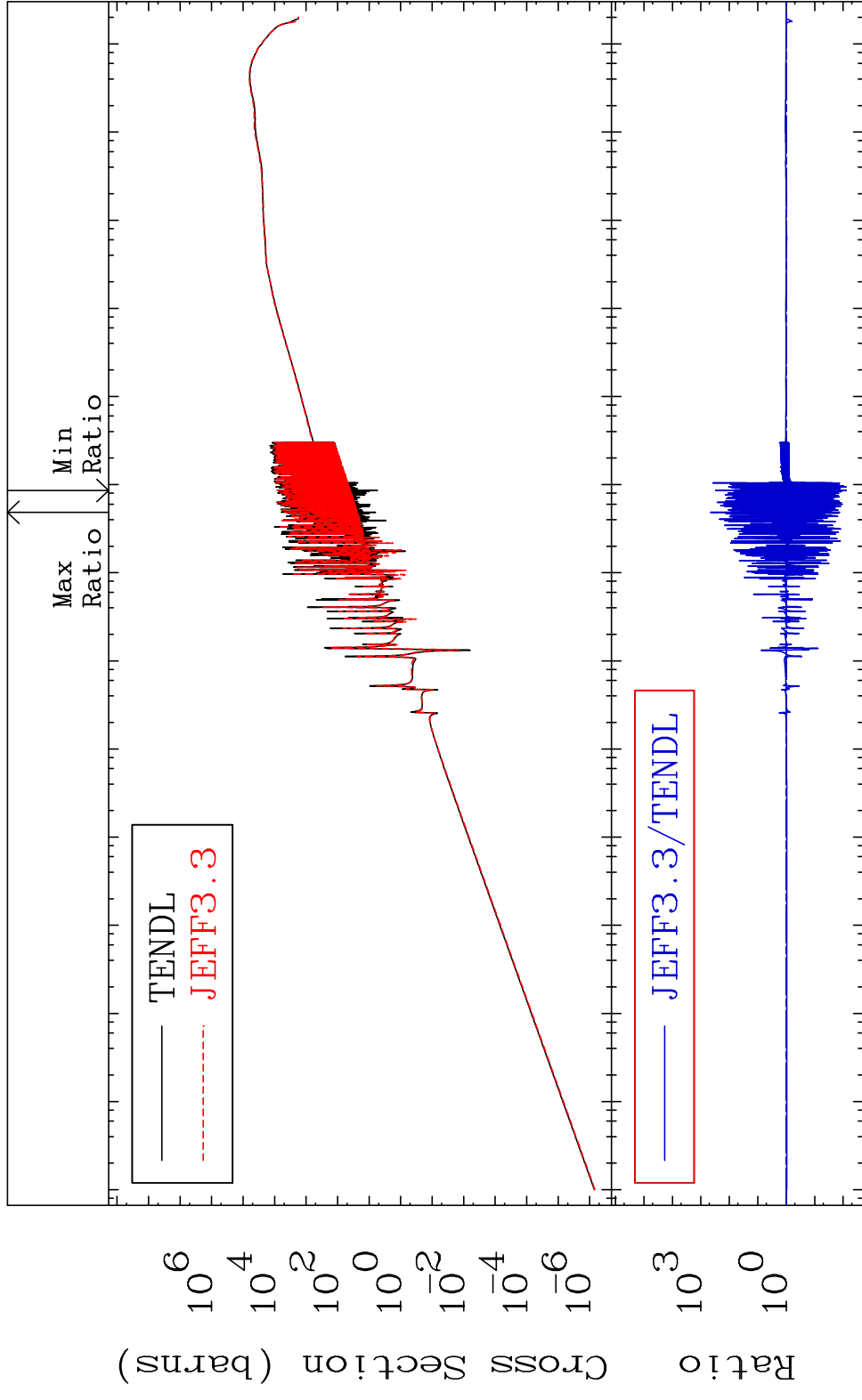
MAT 7125 Kerma total (eV-barns) 71-Lu-175
 Cross Section -99.32 To 9999. %



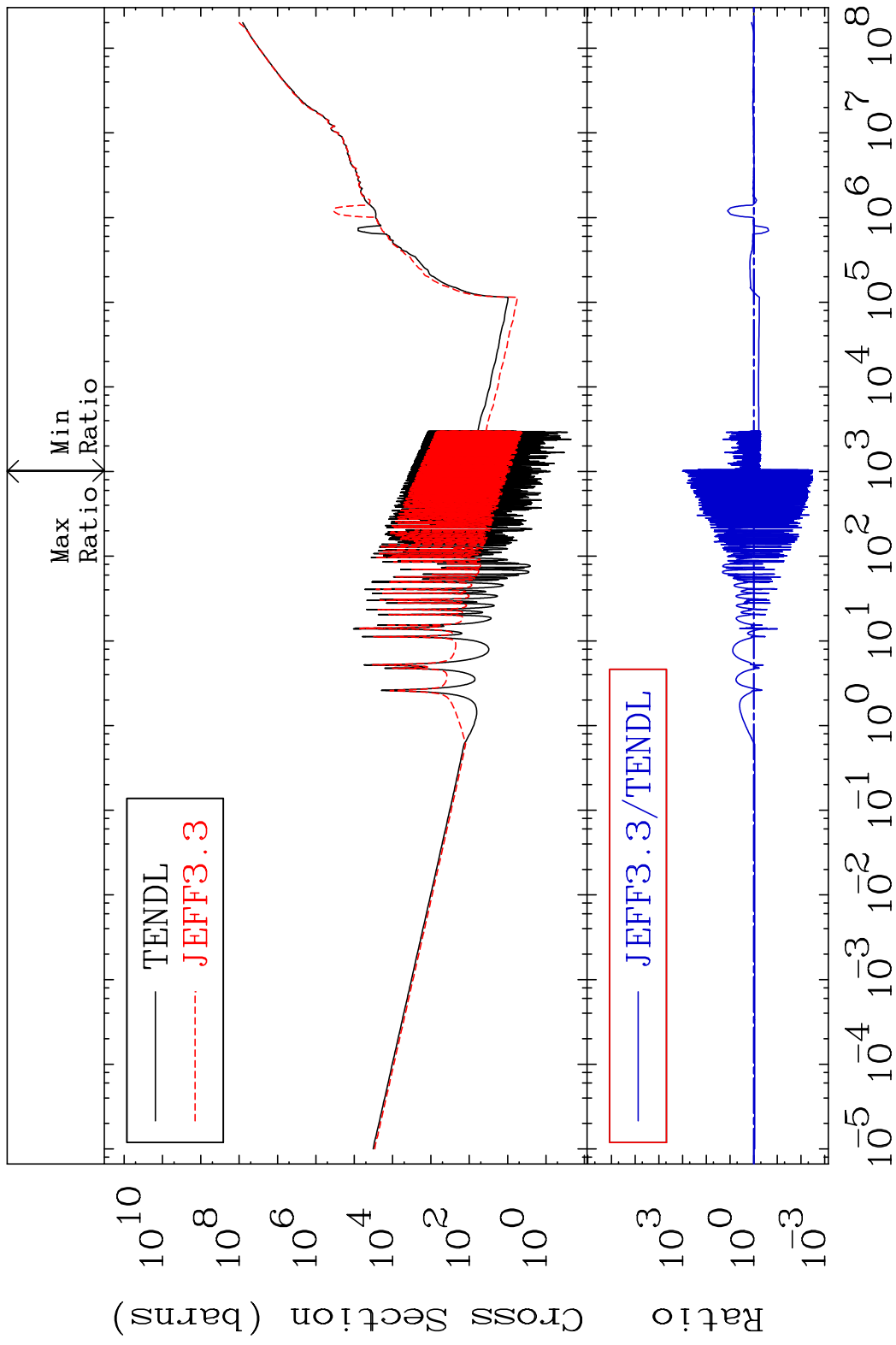
MAT 7125

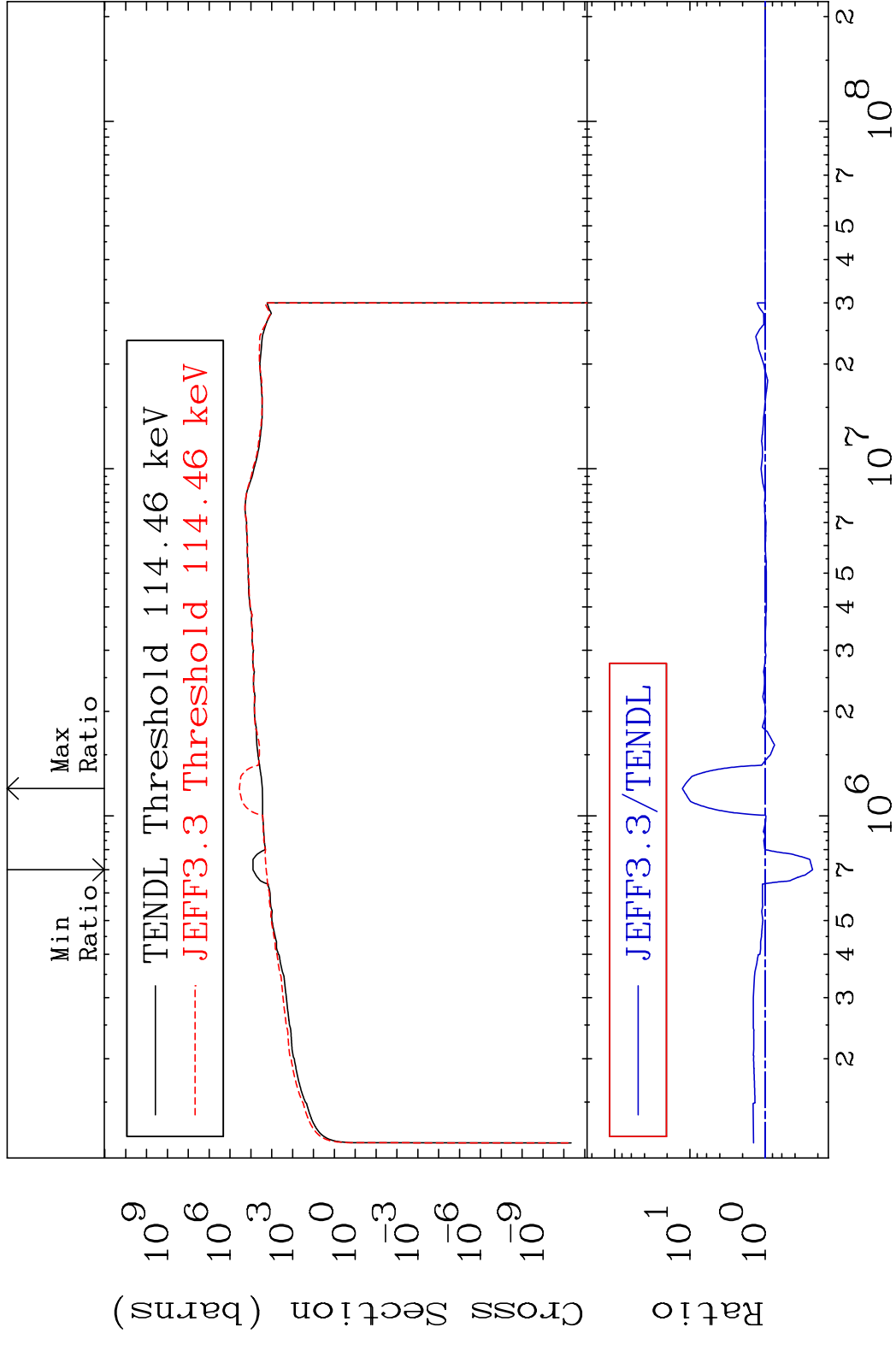
Kerma elastic
Cross Section -99.23 To 9999. %

71-Lu-175

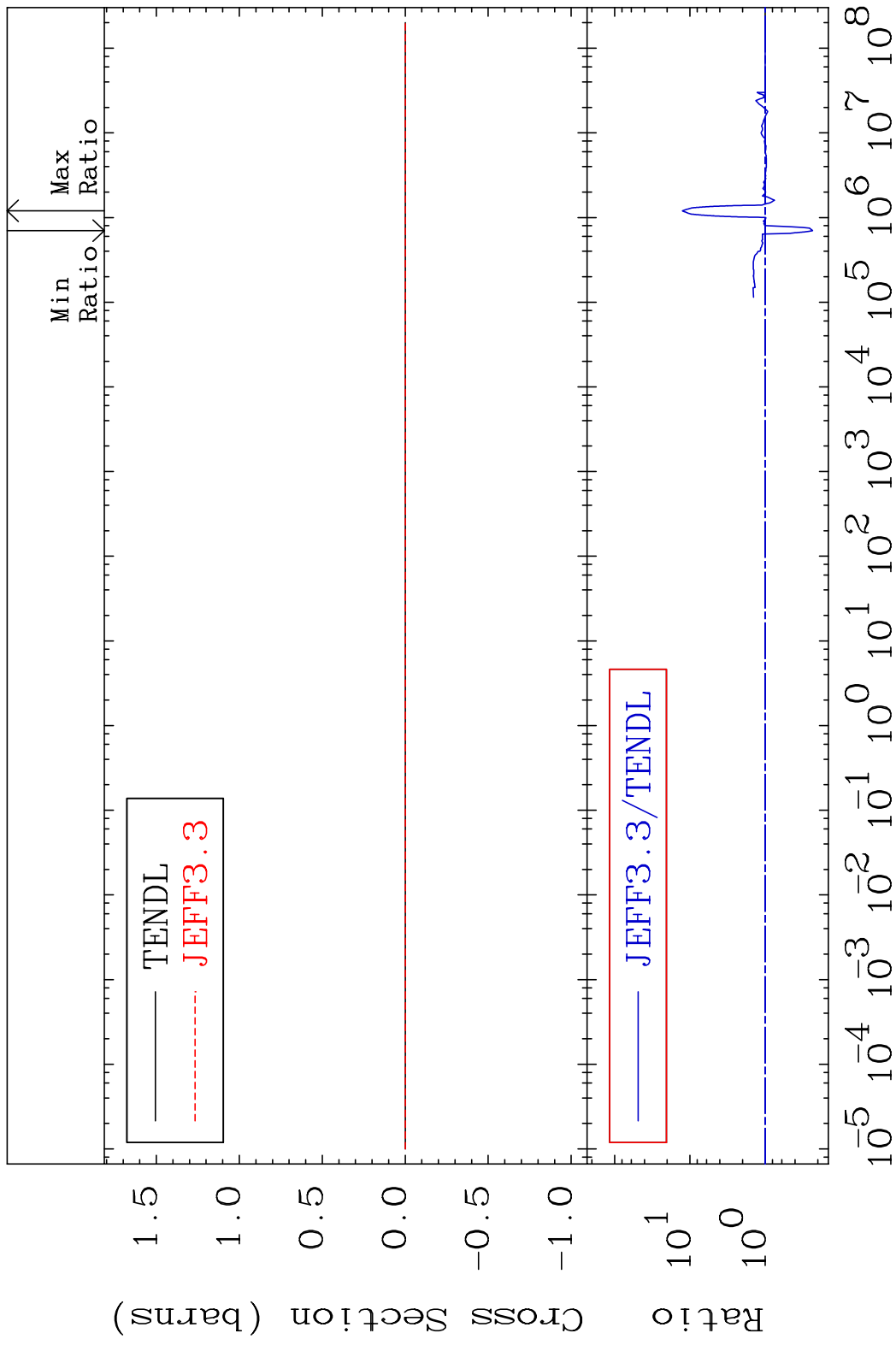


MAT 7125 Kerma non-elastic (all but mt2) 71-Lu-175
 Cross Section -99.67 To 9999. %



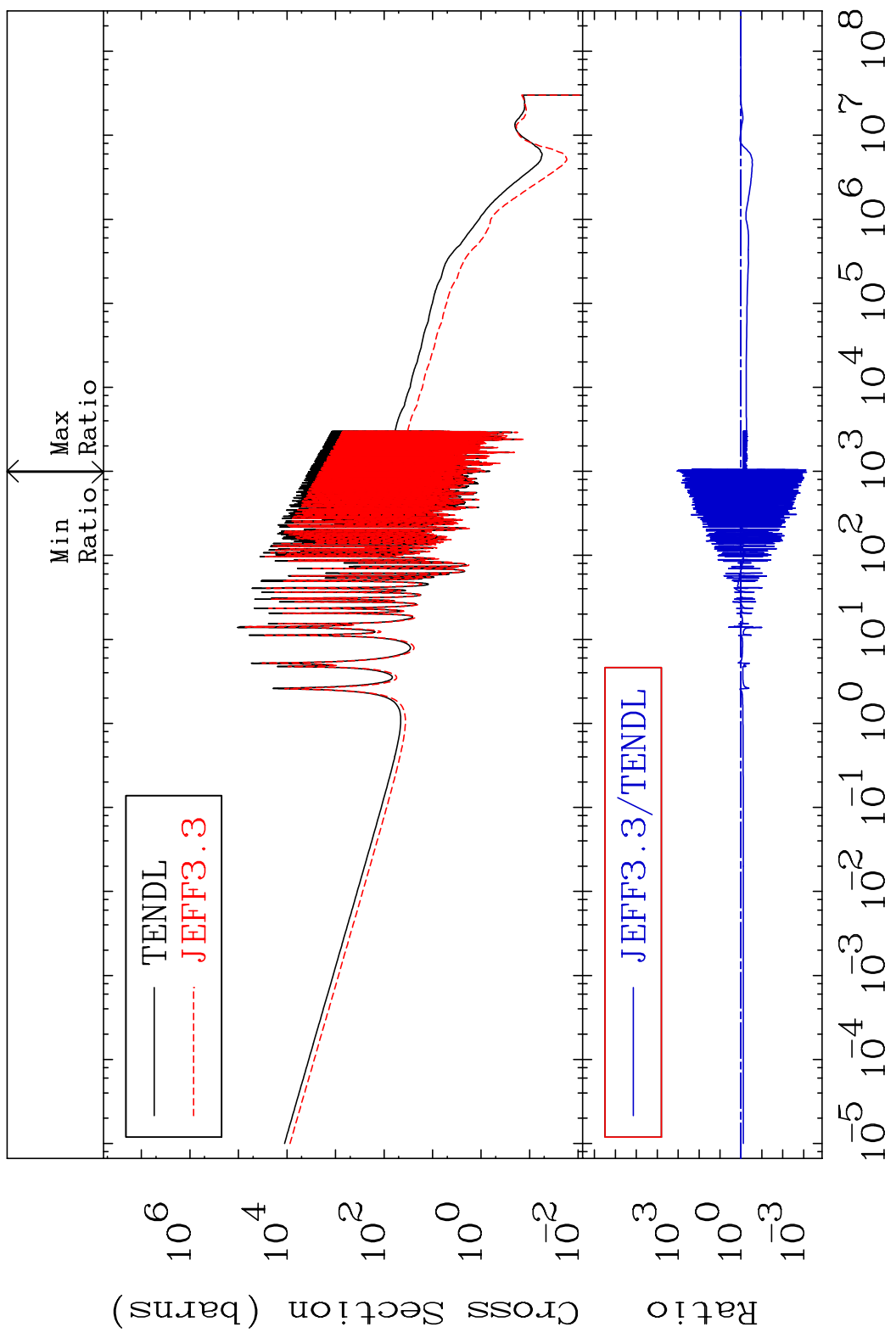


MAT 7125 Kerma fission (mt18 or mt19-20-21-38) 71-Lu-175
 Cross Section -76.52 To 1158. %



MAT 7125

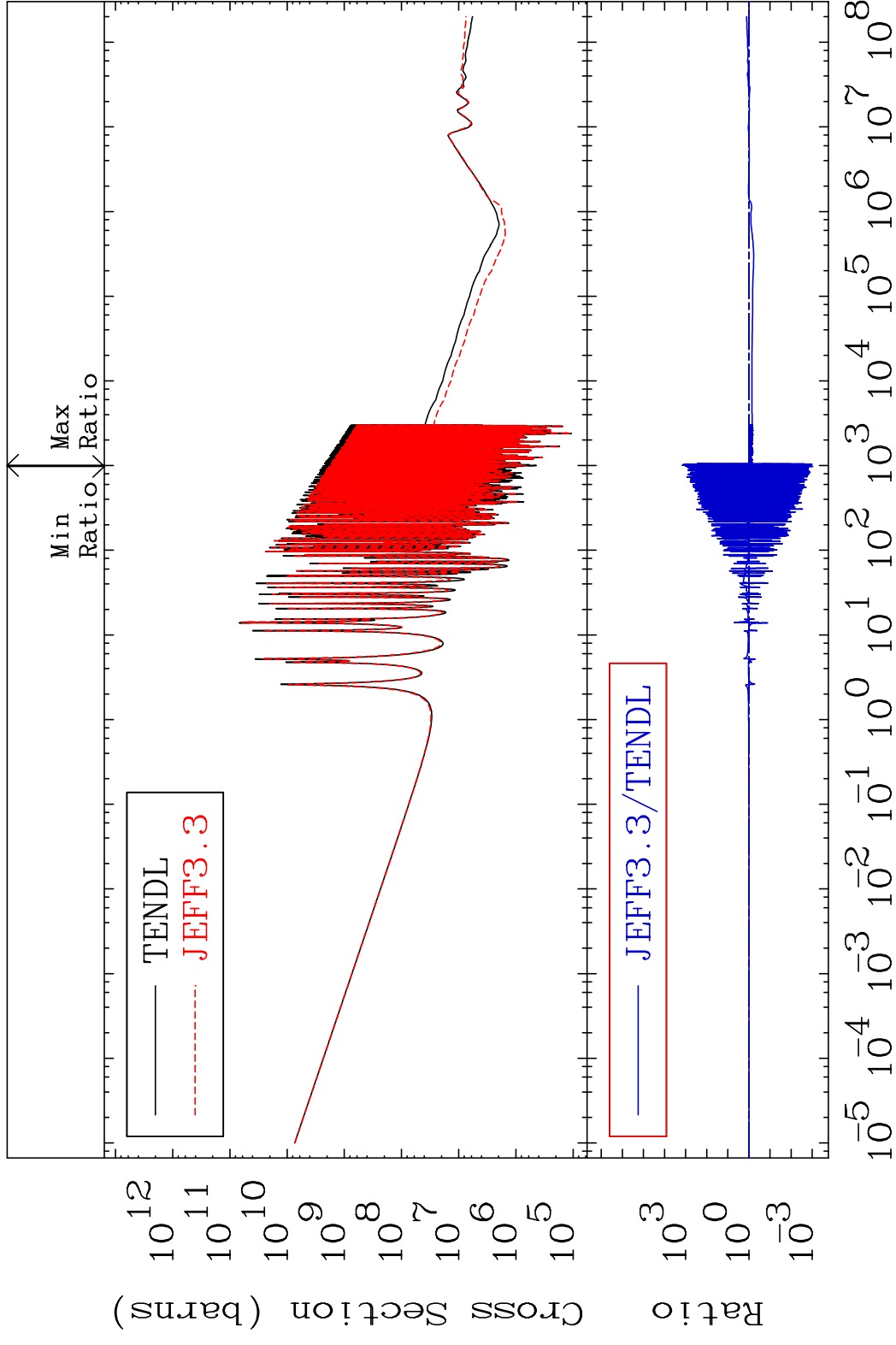
Kerma capture (mt102) 71-Lu-175
Cross Section -99.93 To 9999. %



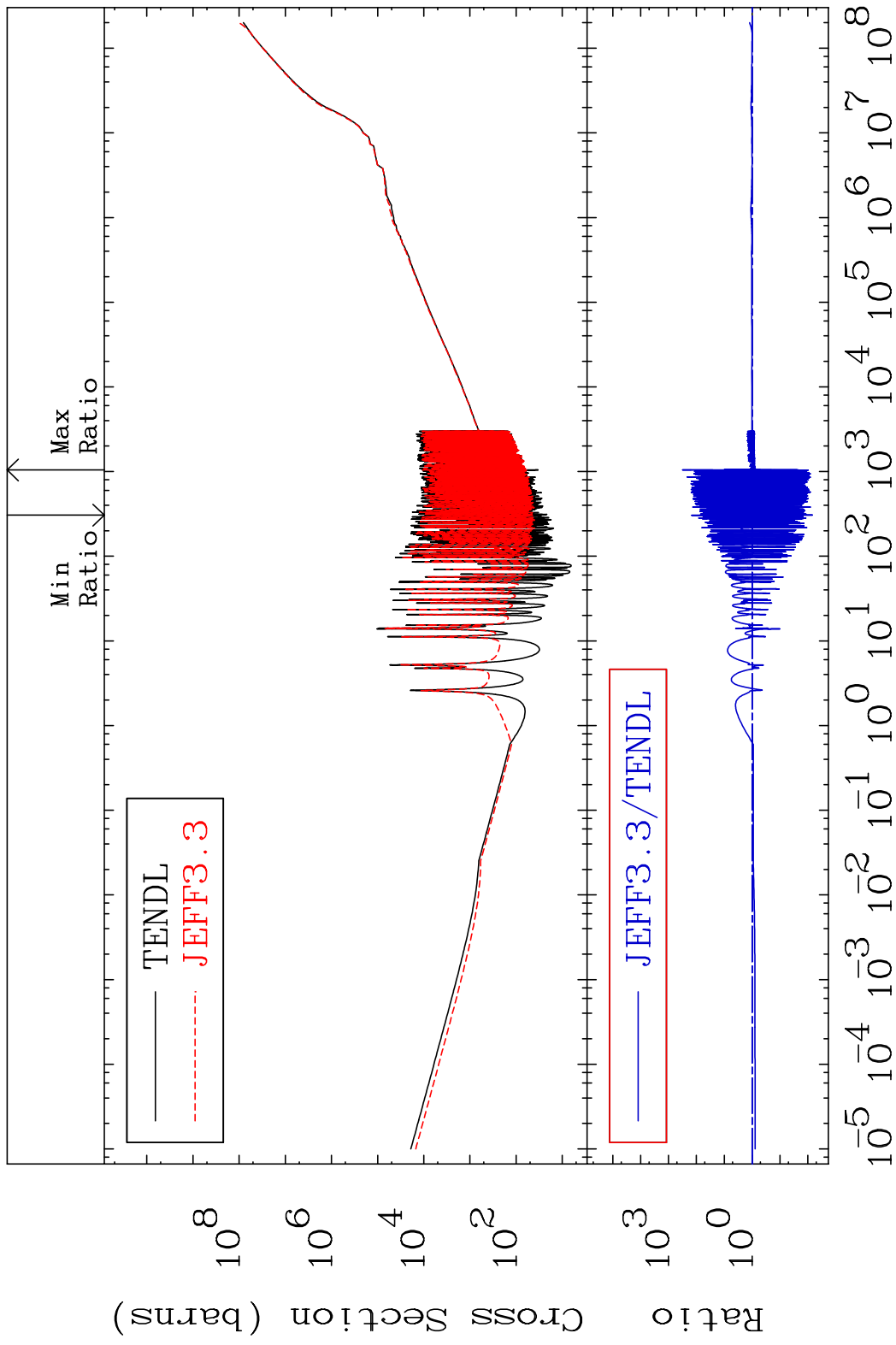
60

Incident Energy (eV) 71-Lu-175

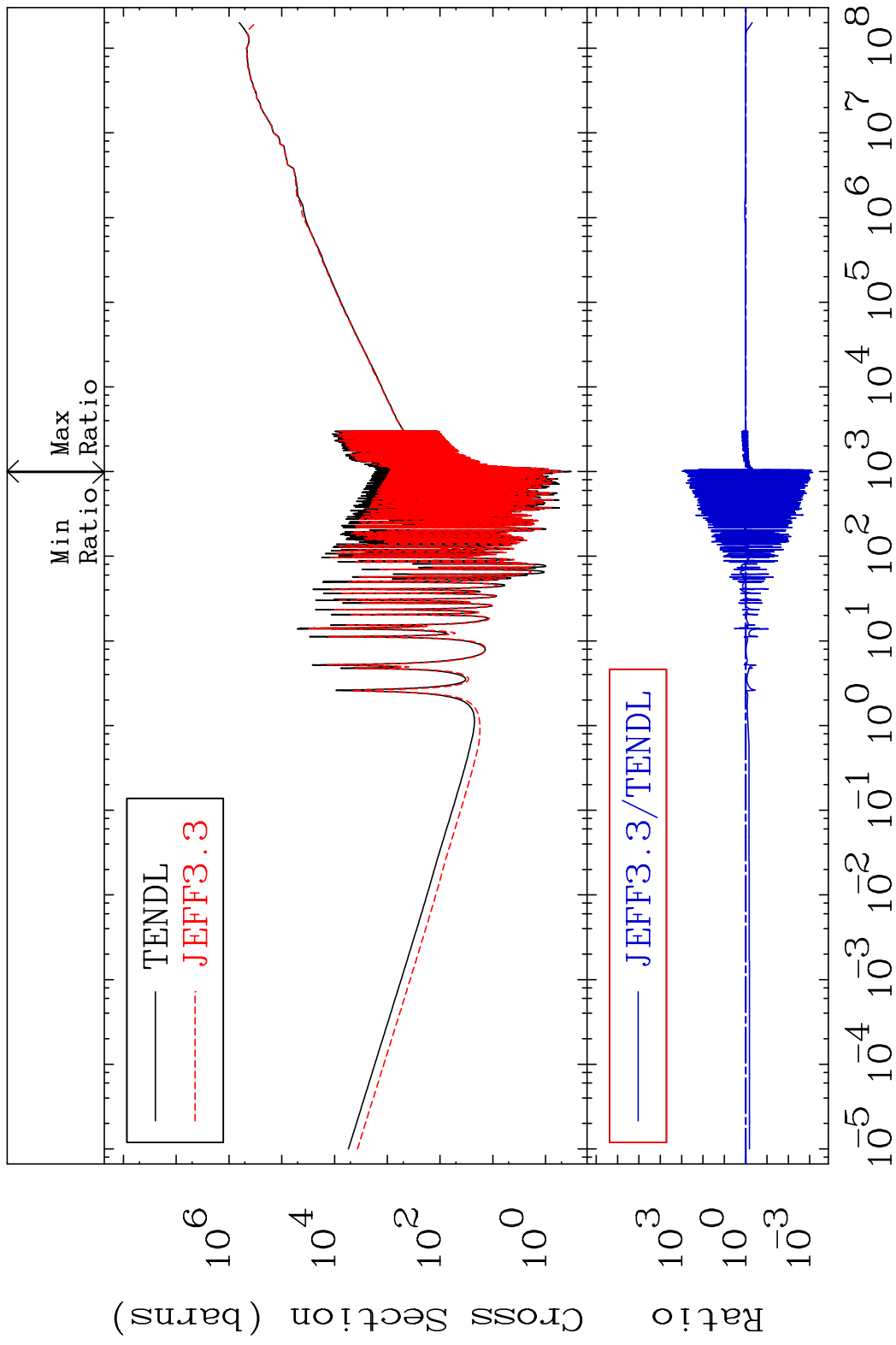
MAT 7125 Total photon (eV-barns) 71-Lu-175
 Cross Section -99.90 To 9999. %



MAT 7125 Total kinematic kerma (high limit) 71-Lu-175
 Cross Section -99.32 To 9999. %



MAT 7125 Dpa total (eV-barns) 71-Lu-175
 Cross Section -99.93 To 9999. %

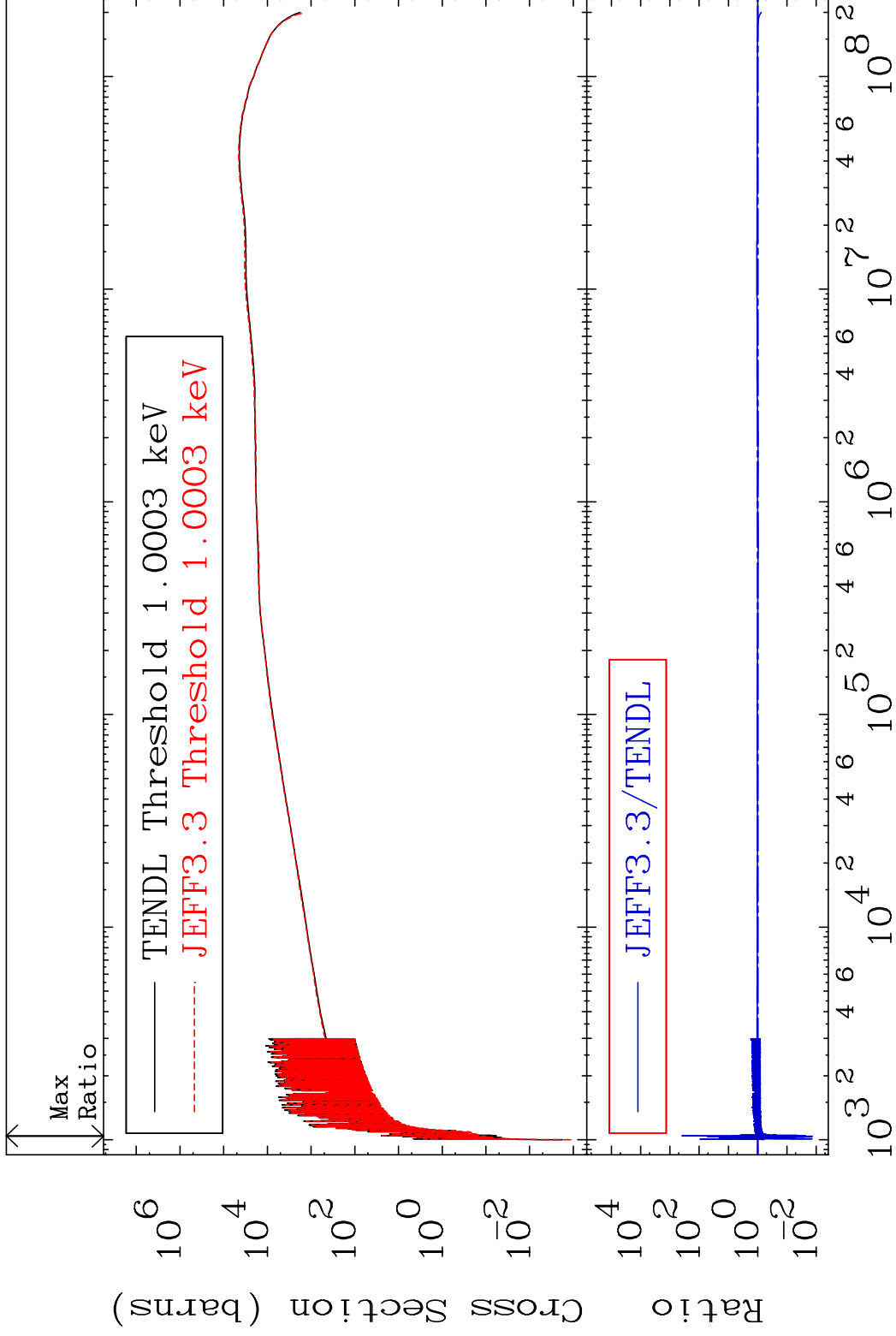


MAT 7125

Dpa elastic (mt2)

71-Lu-175

Cross Section -98.66 To 9999. %

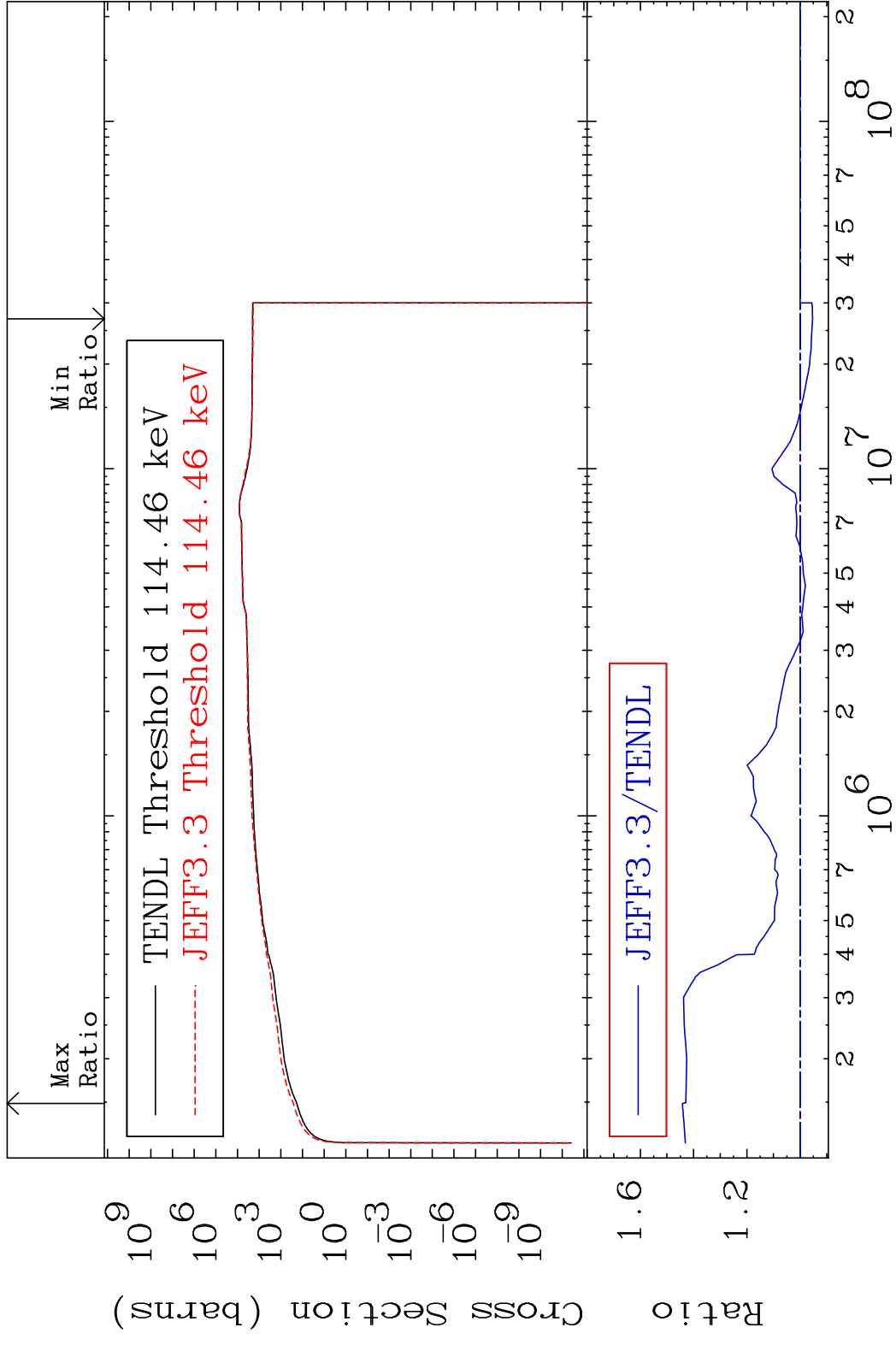


64

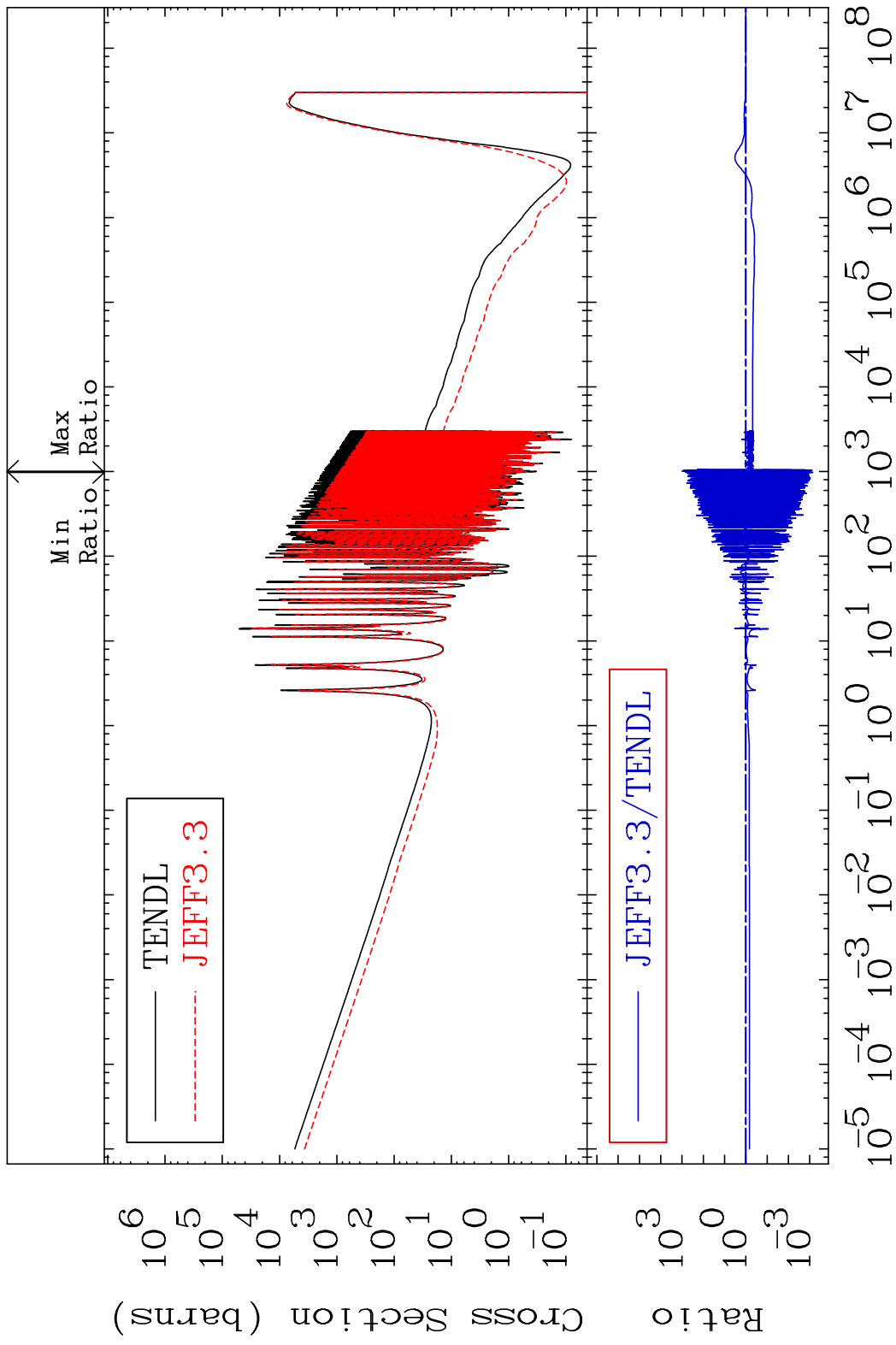
Incident Energy (eV)

71-Lu-175

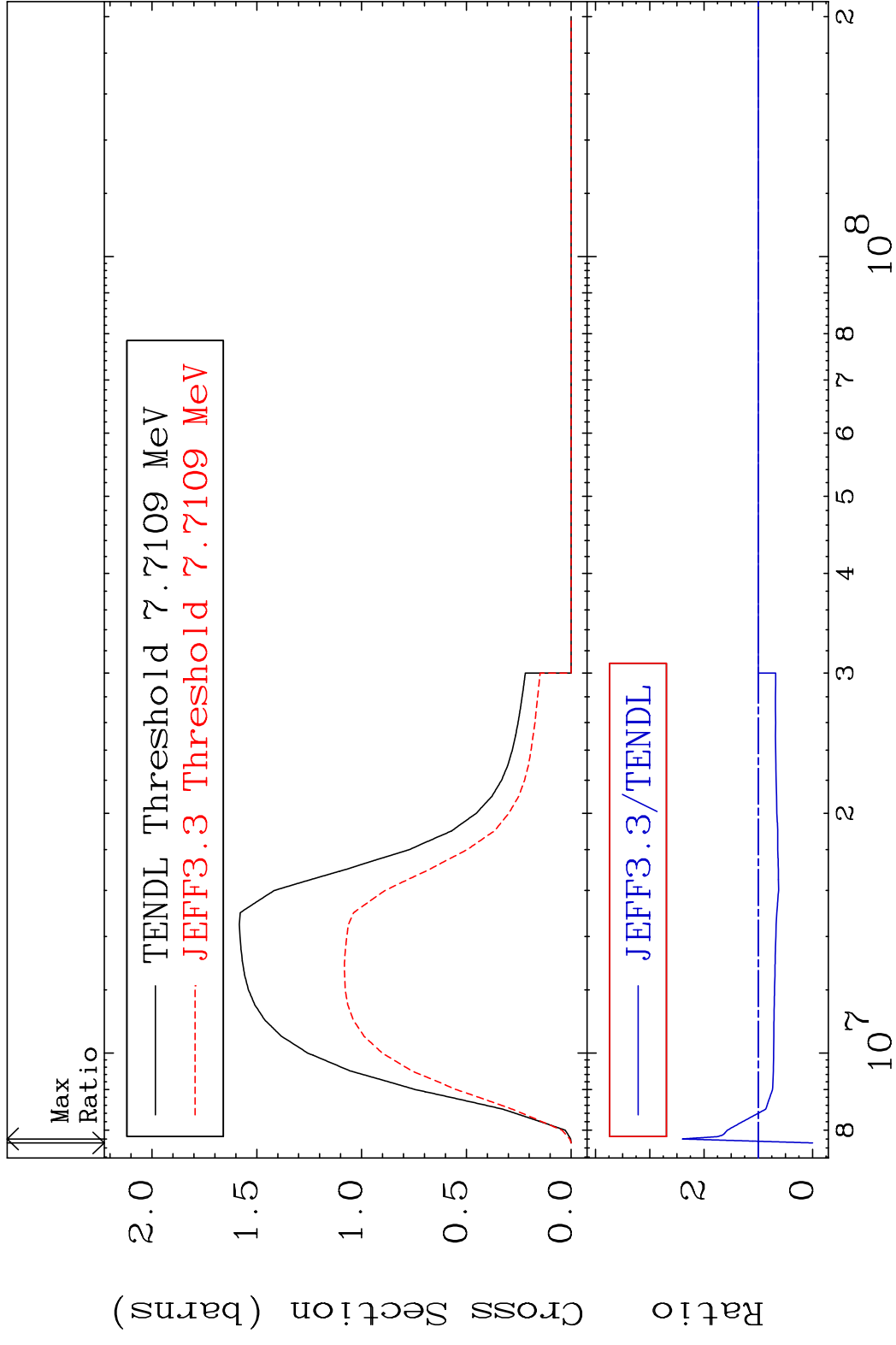
MAT 7125 Dpa inelastic (mt51-91) 71-Lu-175
 Cross Section -4.702 To 44.22 %



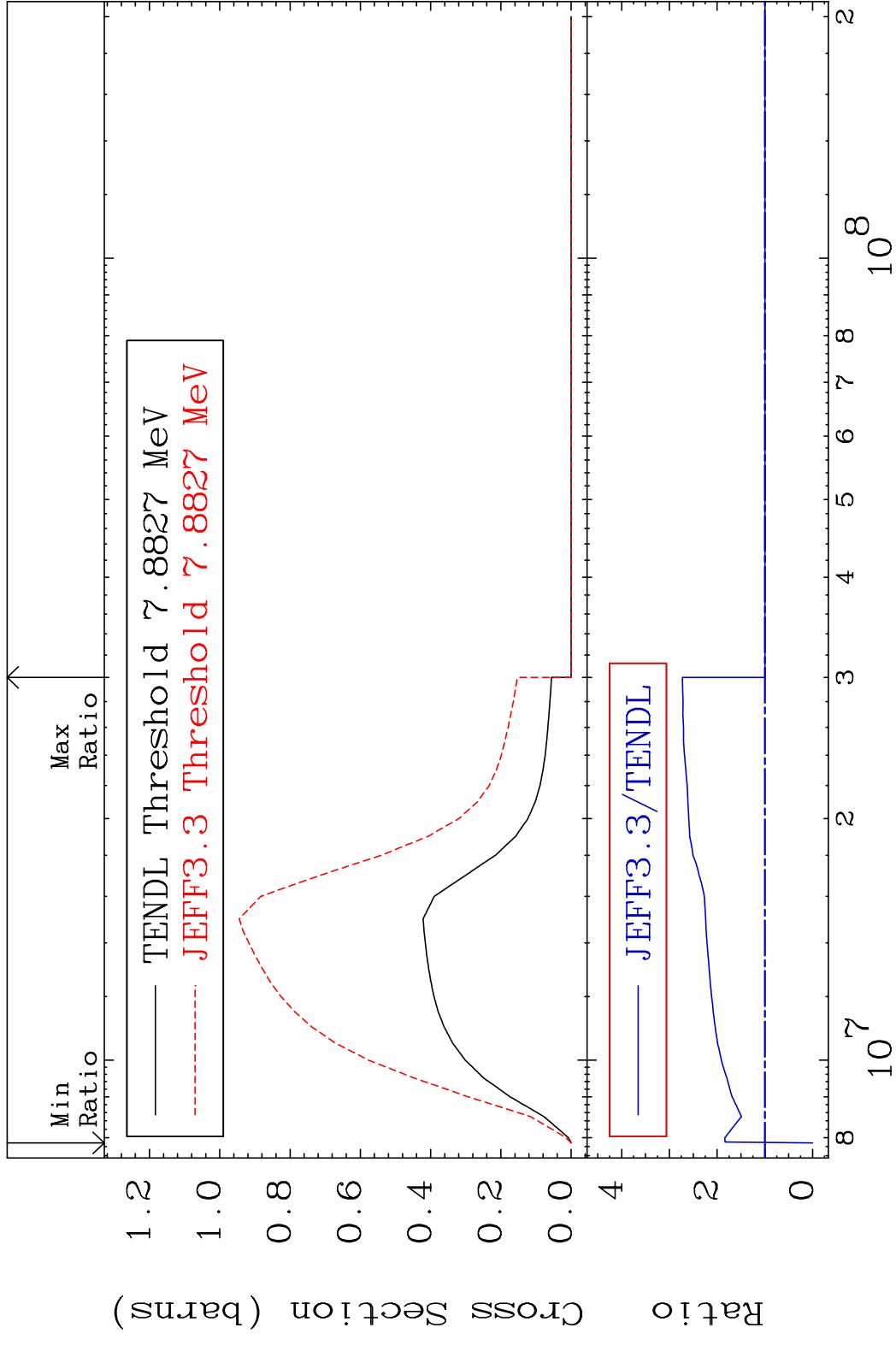
MAT 7125 Dpa disappearance (mt102 -120) 71-Lu-175
 Cross Section -99.93 To 9999. %

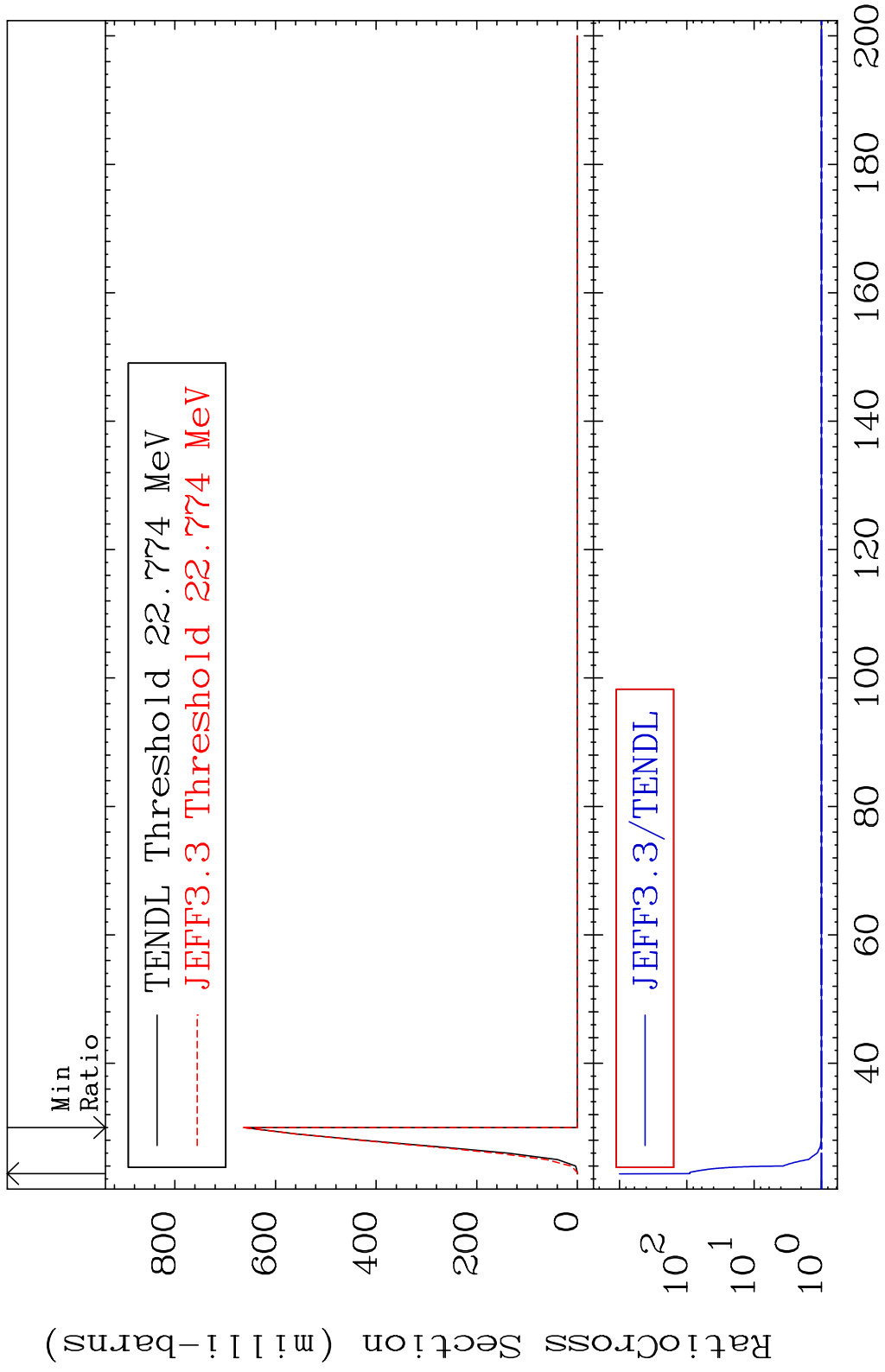


MAT 7125 (n,2n):71-Lu-174g 71-Lu-175
 Radionuclide Production Cross Section 139.9 %

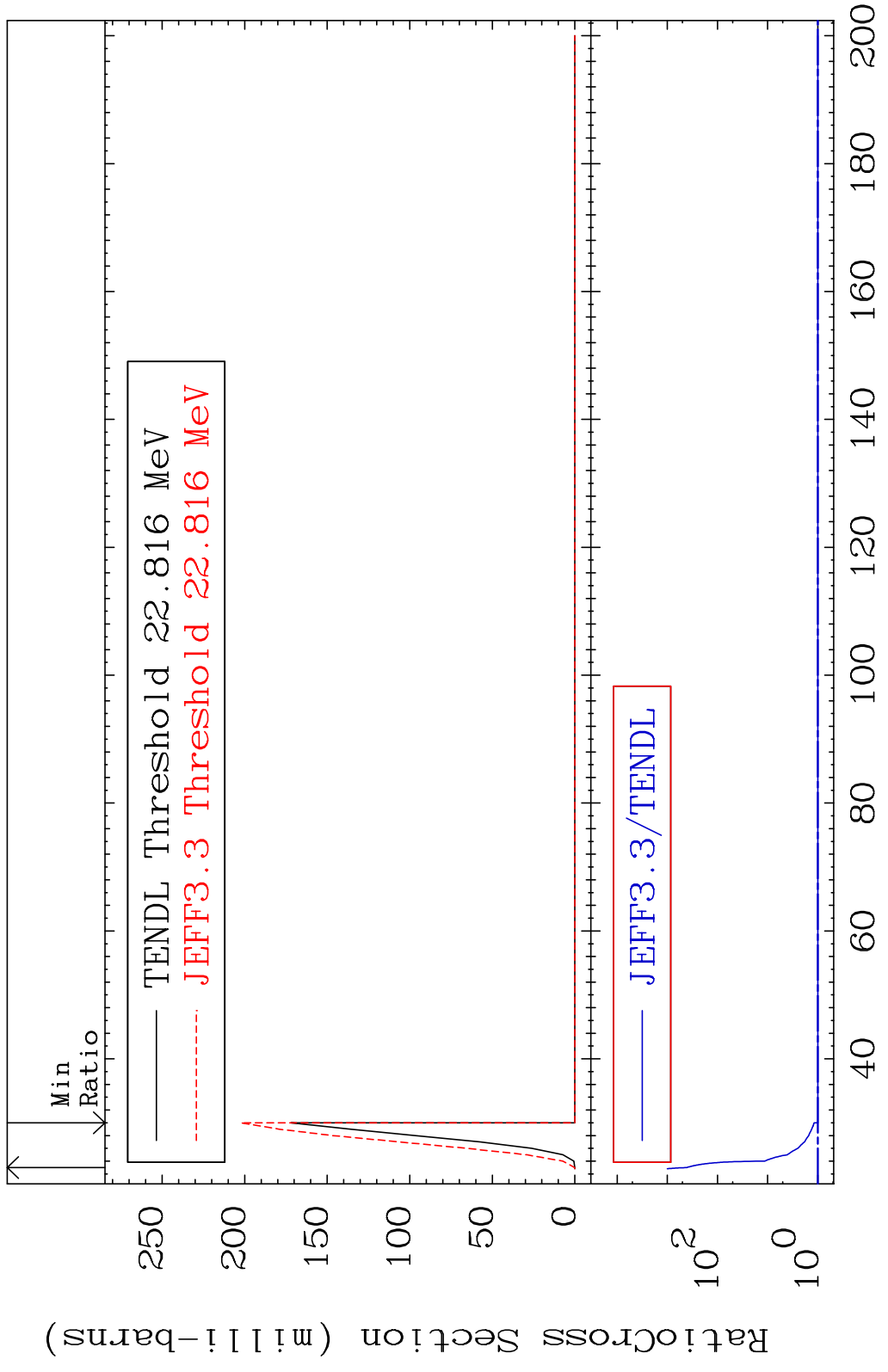


MAT 7125 (n,2n):71-Lu-174m3 71-Lu-175
 Radionuclide Production Cross Section 180.0 dth 172.8 %





MAT 7125 (n, 4n): 71-Lu-172m1 71-Lu-175
 Radionuclide Production Cross Section 9999. %



70 Incident Energy (MeV) 71-Lu-175