

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

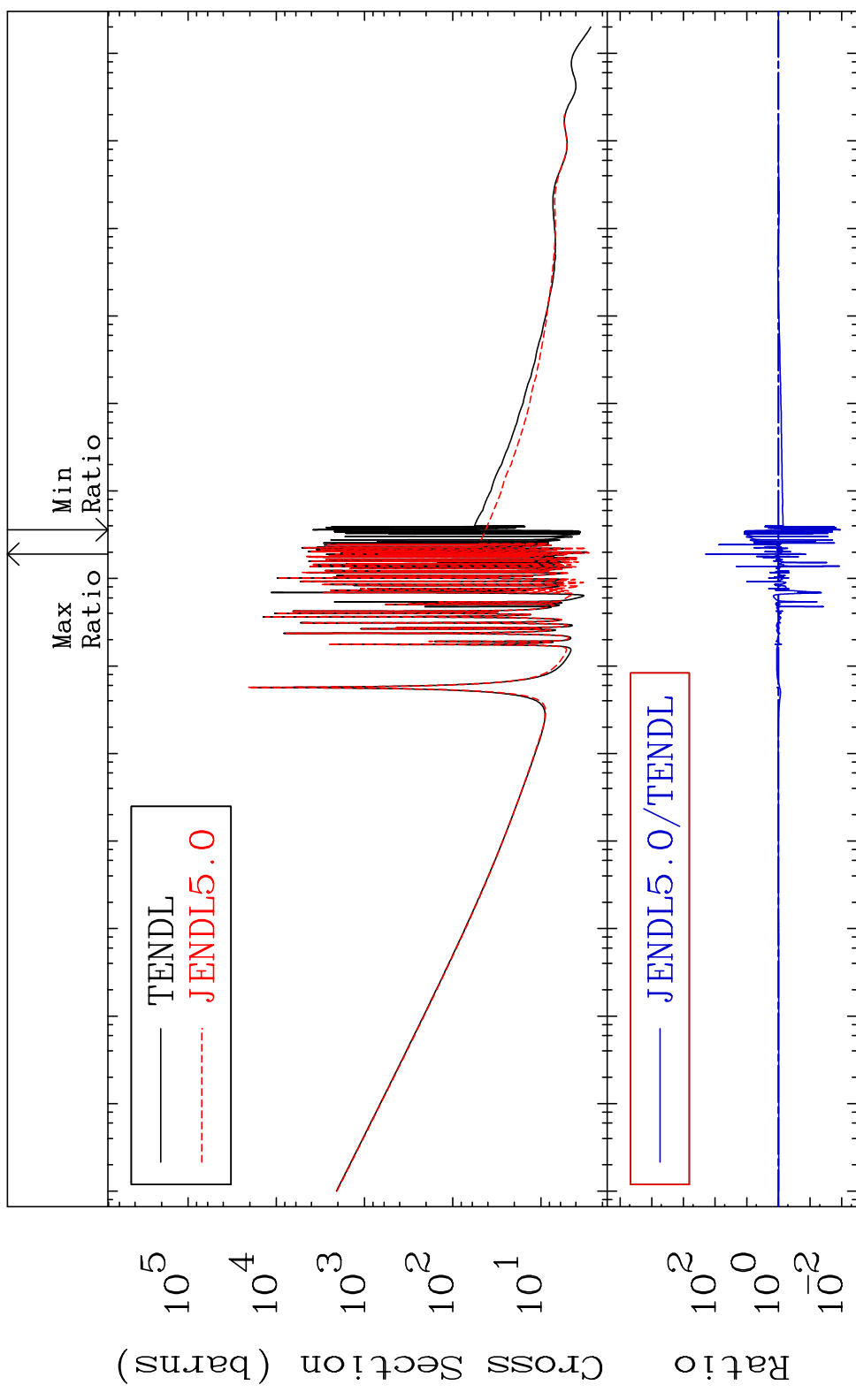
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 7240

Total Cross Section -98.90 To 9999. %
72-Hf-179



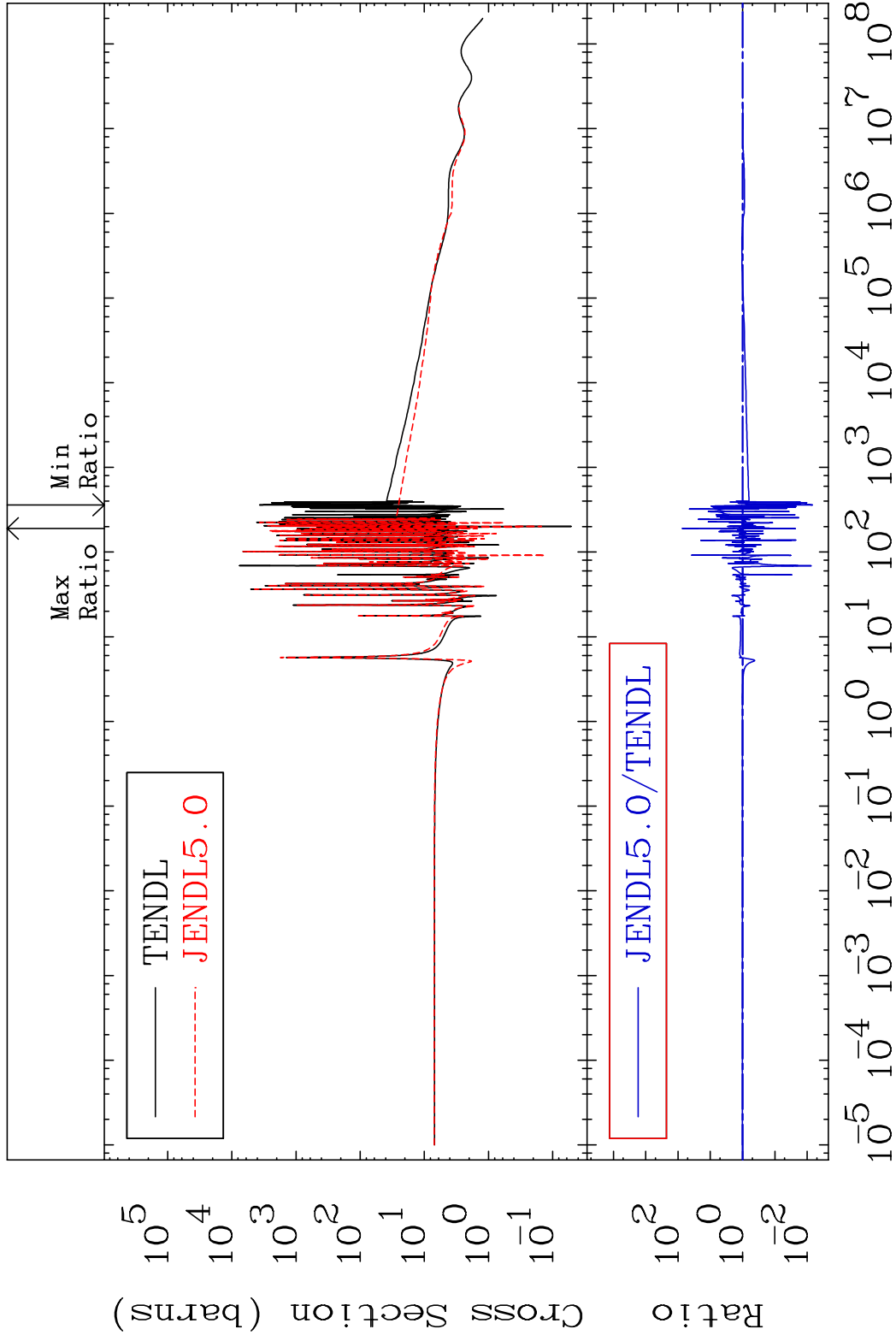
MAT 7240

Elastic

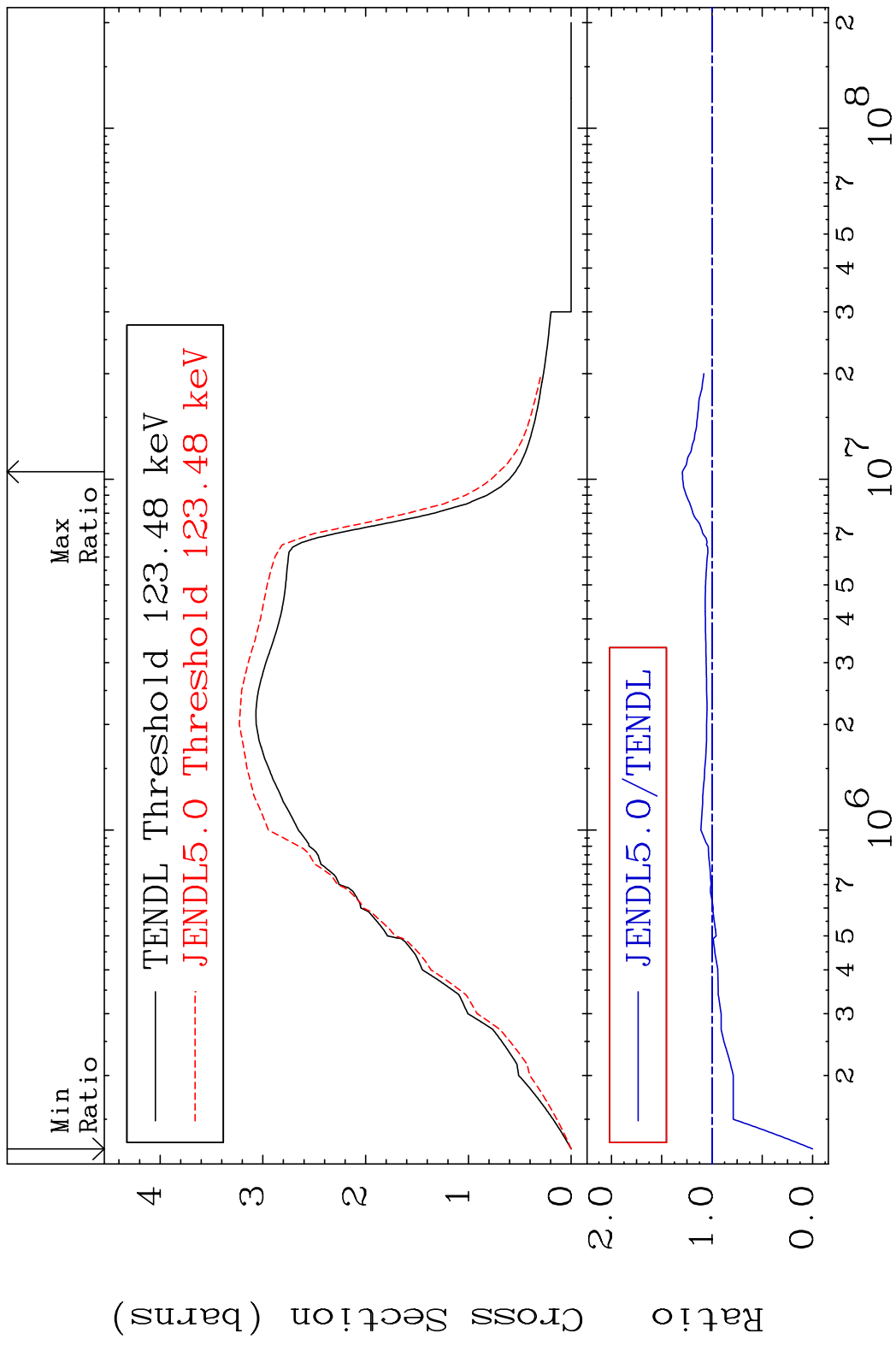
72-Hf-179

Cross Section

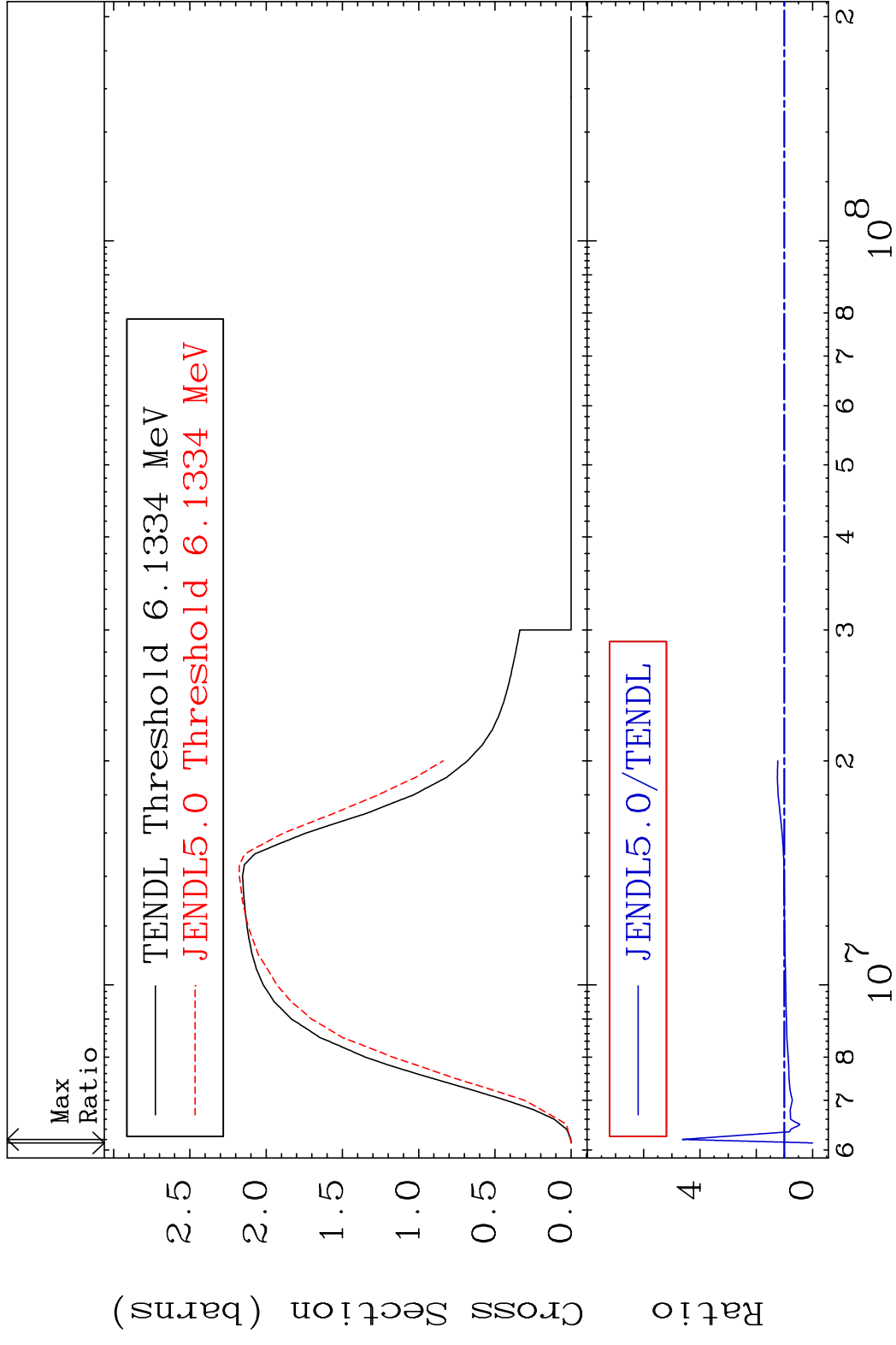
-99.32 To 7244. %



MAT 7240 Inelastic Cross Section -100.0 To 29.50 % 72-Hf-179



MAT 7240 (n,2n) 72-Hf-179
 Cross Section -100.0 To 362.6 %



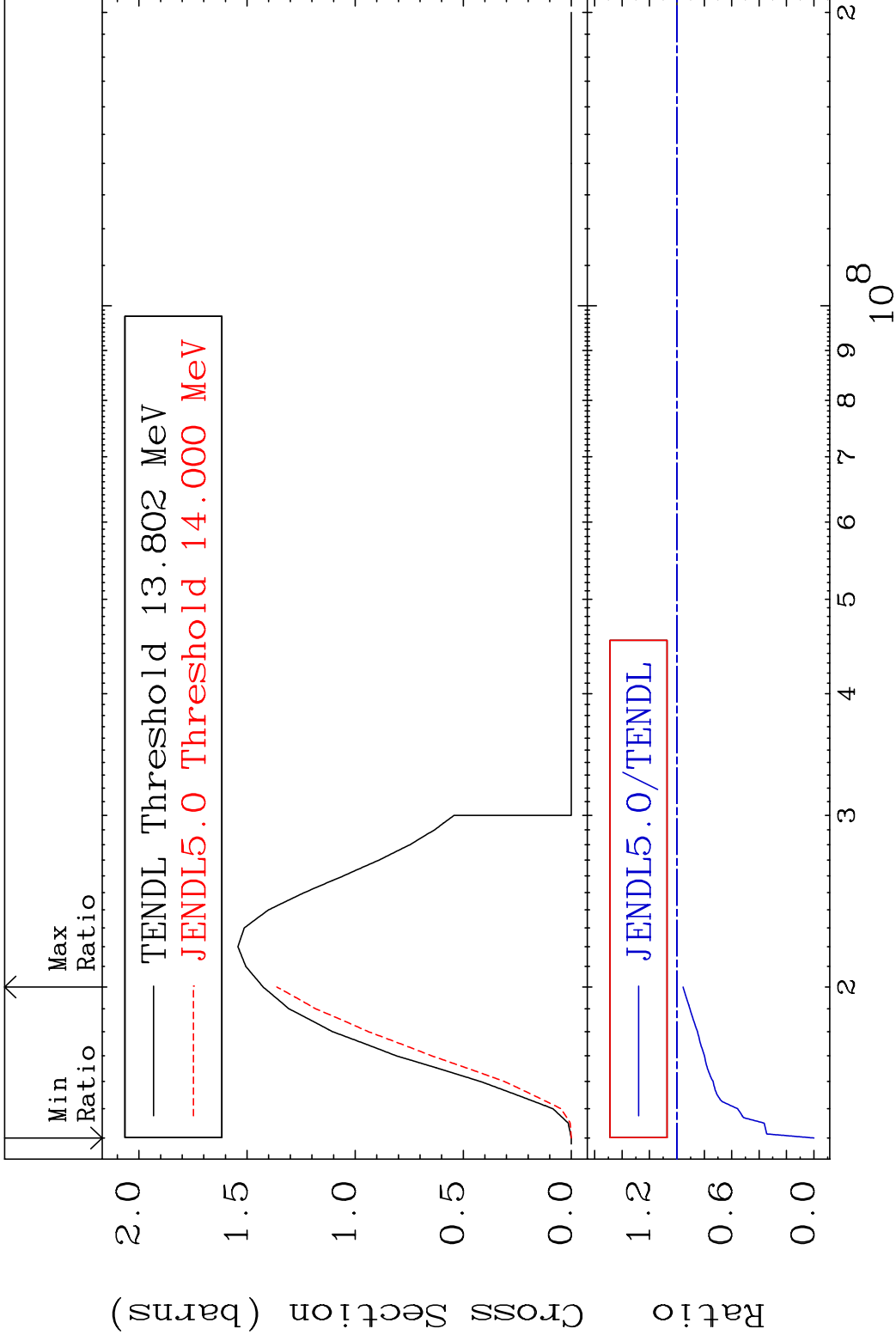
4 Incident Energy (eV) 72-Hf-179

MAT 7240

(n,3n)

72-Hf-179

Cross Section -100.0 To -4.489%



5

Incident Energy (eV)

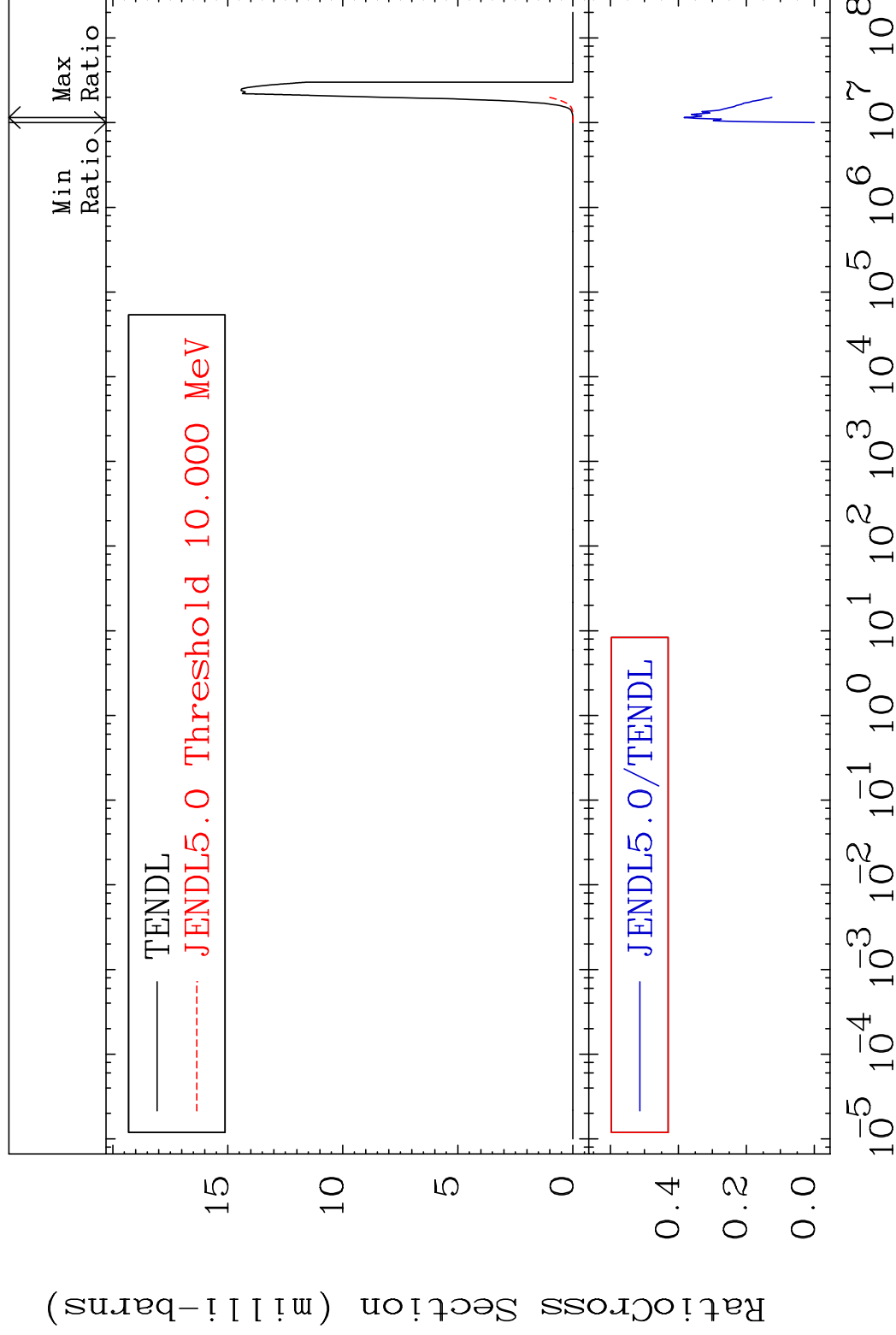
72-Hf-179

MAT 7240

(n, n') α

72-Hf-179

Cross Section -100.0 To -61.67%

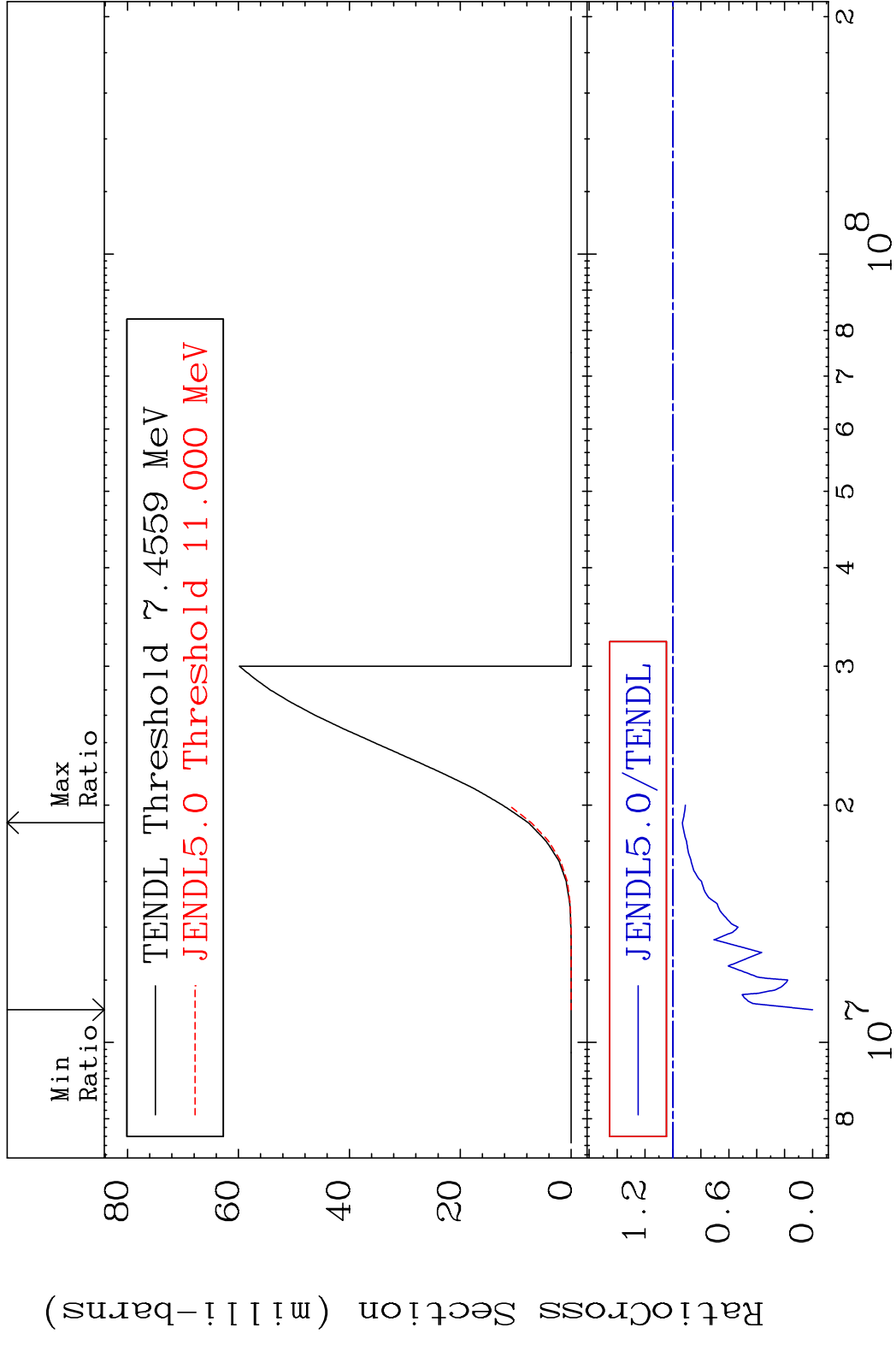


6

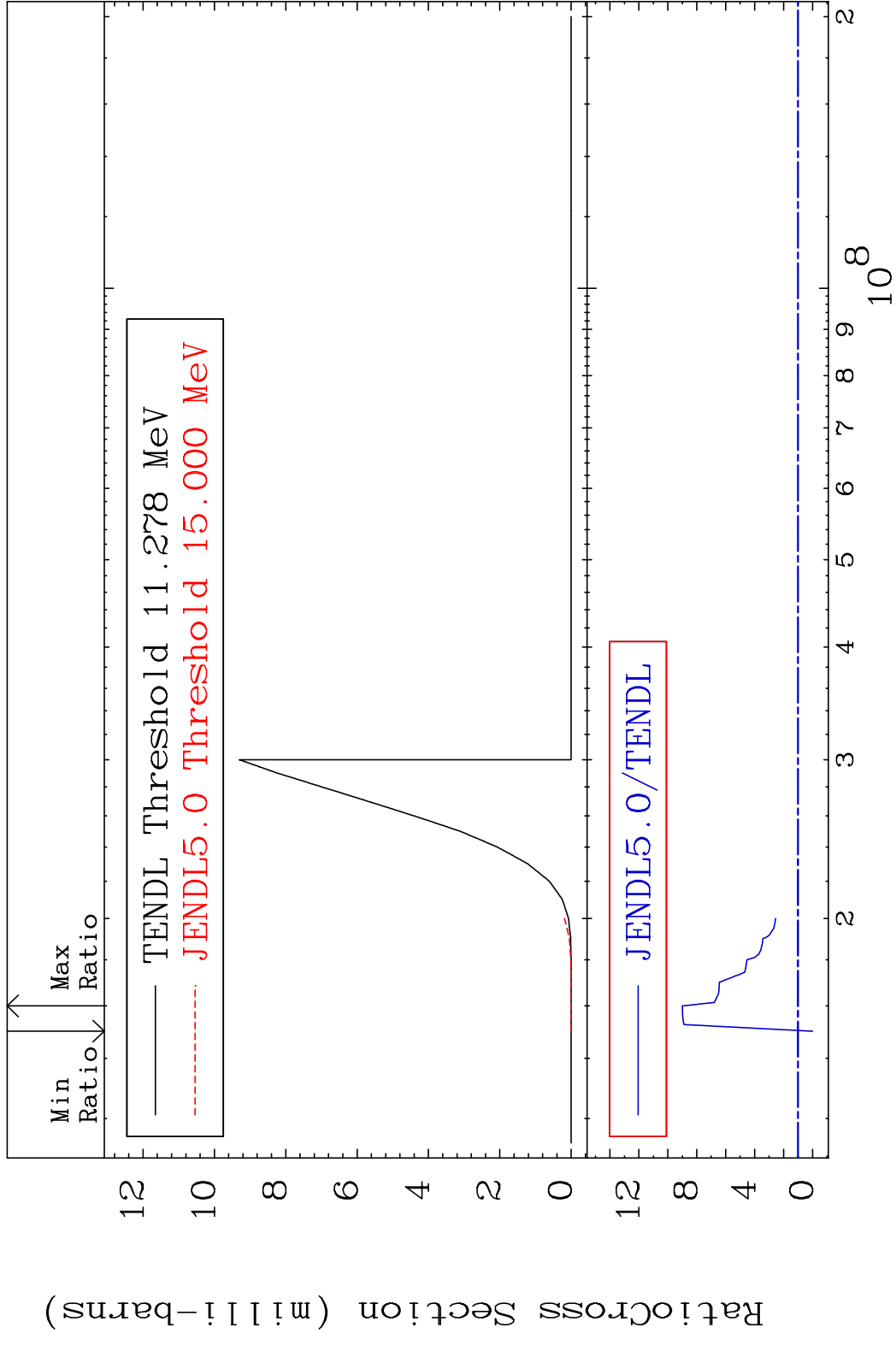
Incident Energy (eV)

72-Hf-179

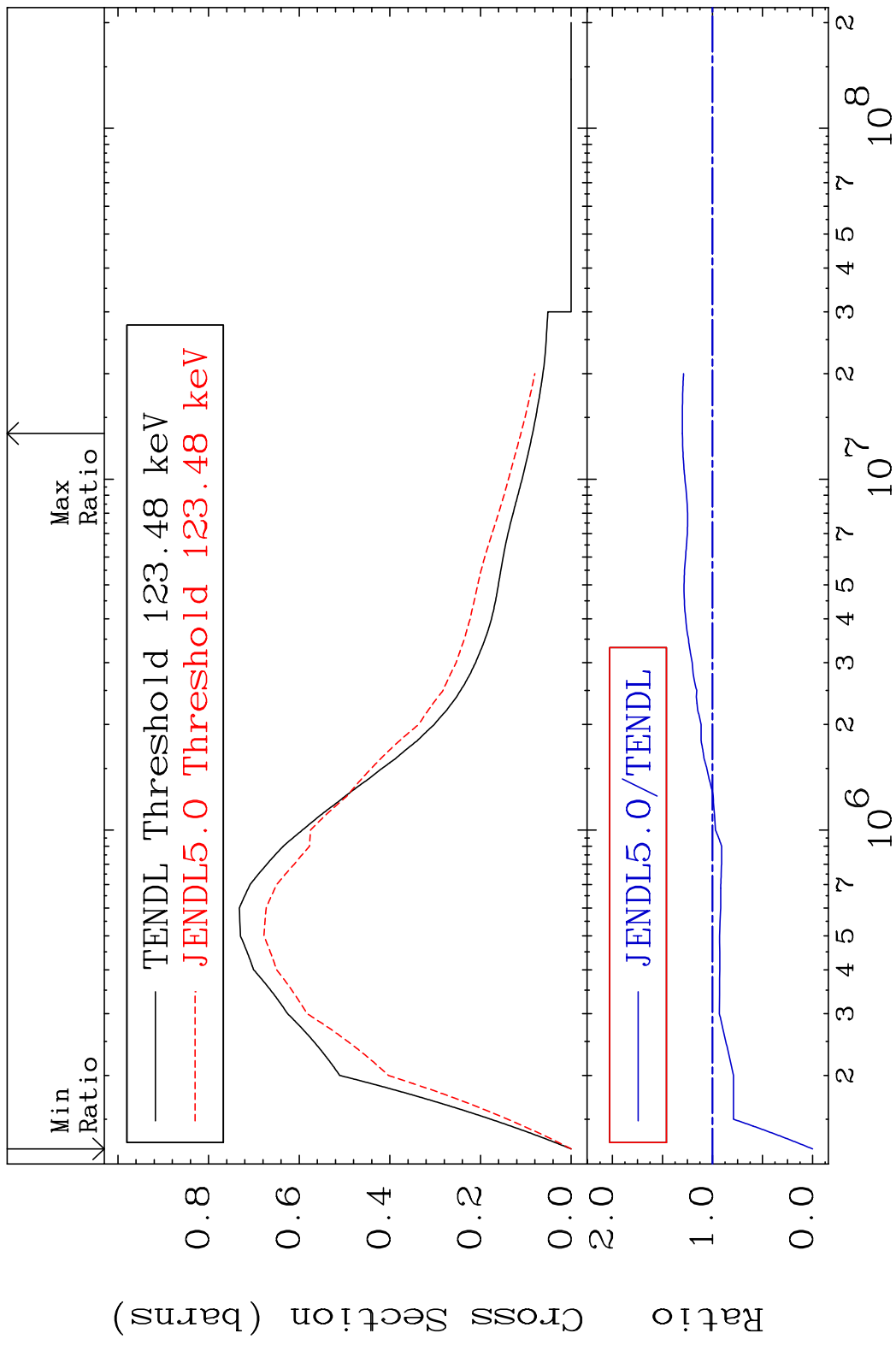
MAT 7240 (n, n') p 72-Hf-179
 Cross Section -100.0 To -6.725%



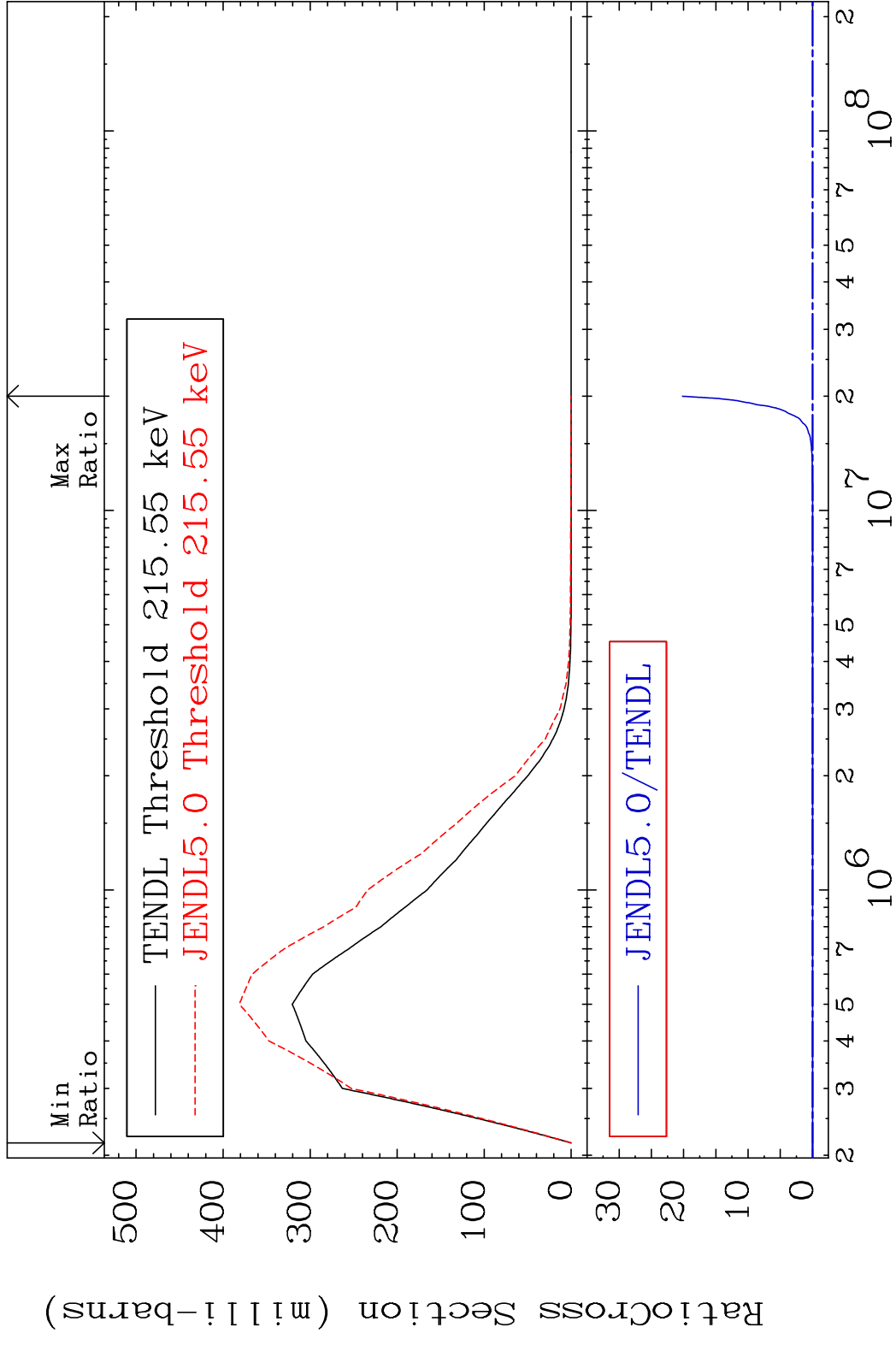
MAT 7240 (n, n') d 72-Hf-179
 Cross Section -100.0 To 799.5 %



MAT 7240 MT= 51 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 30.15 %

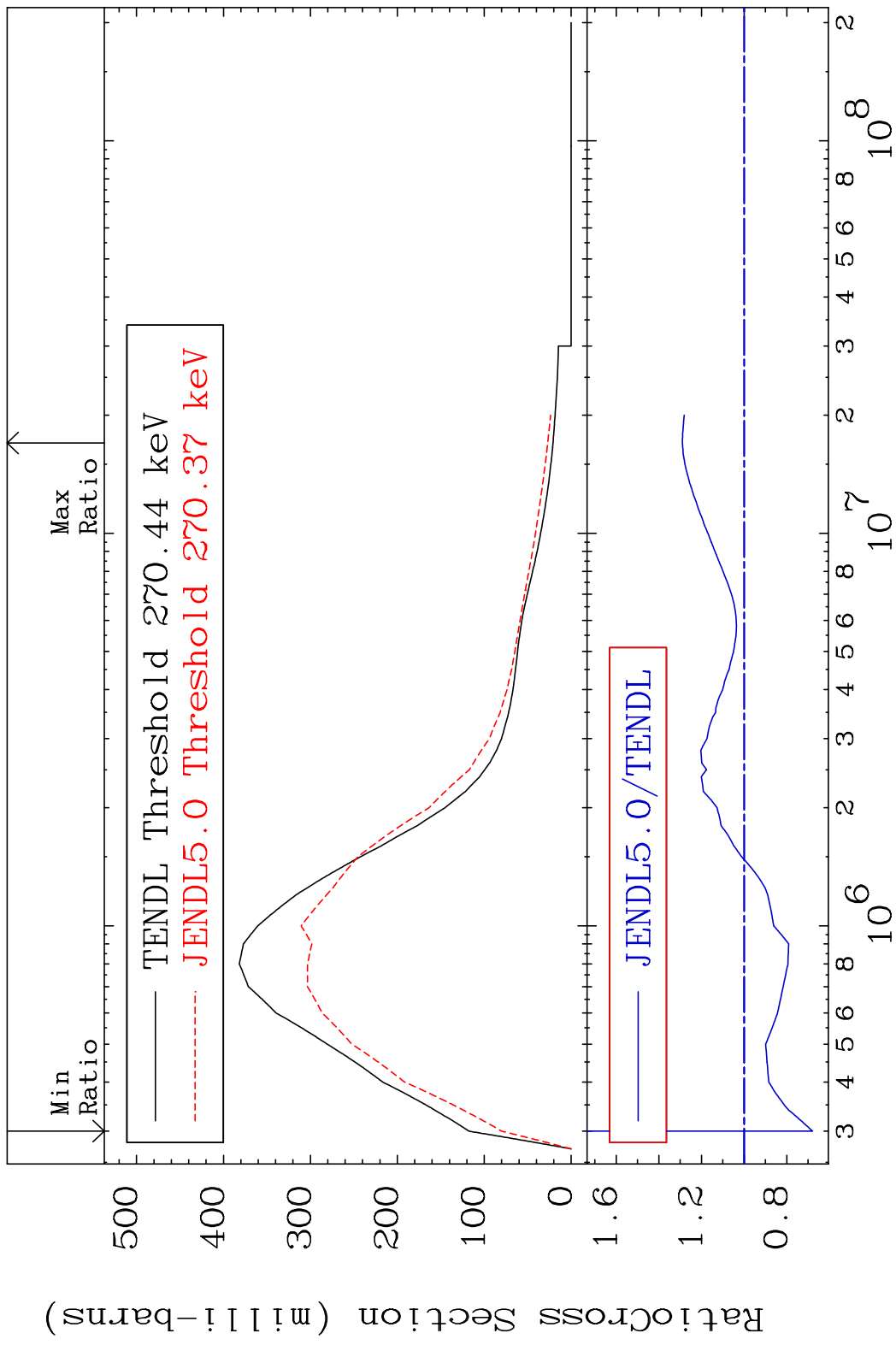


MAT 7240 MT= 52 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 9999. %

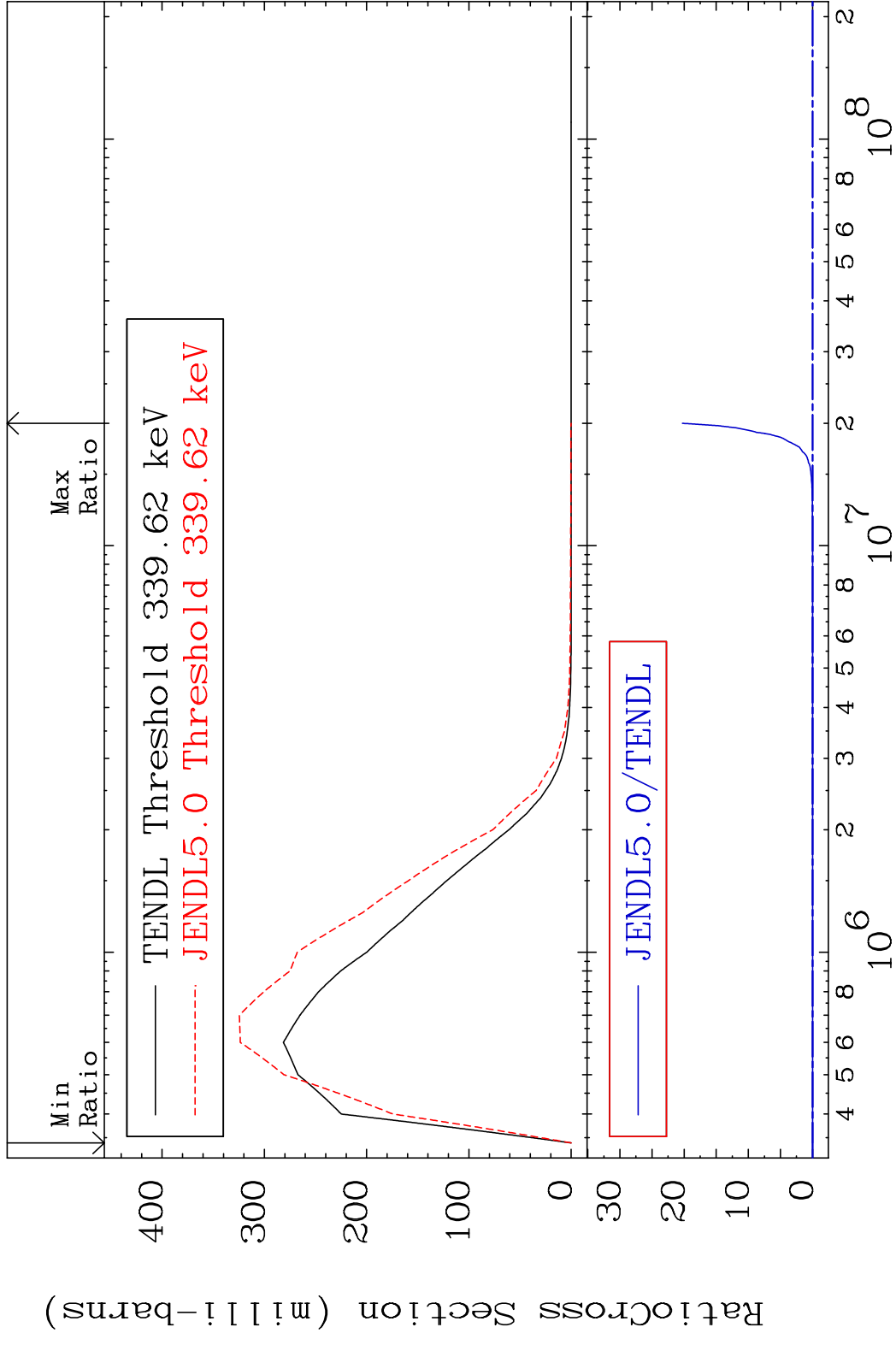


10 Incident Energy (eV) 72-Hf-179

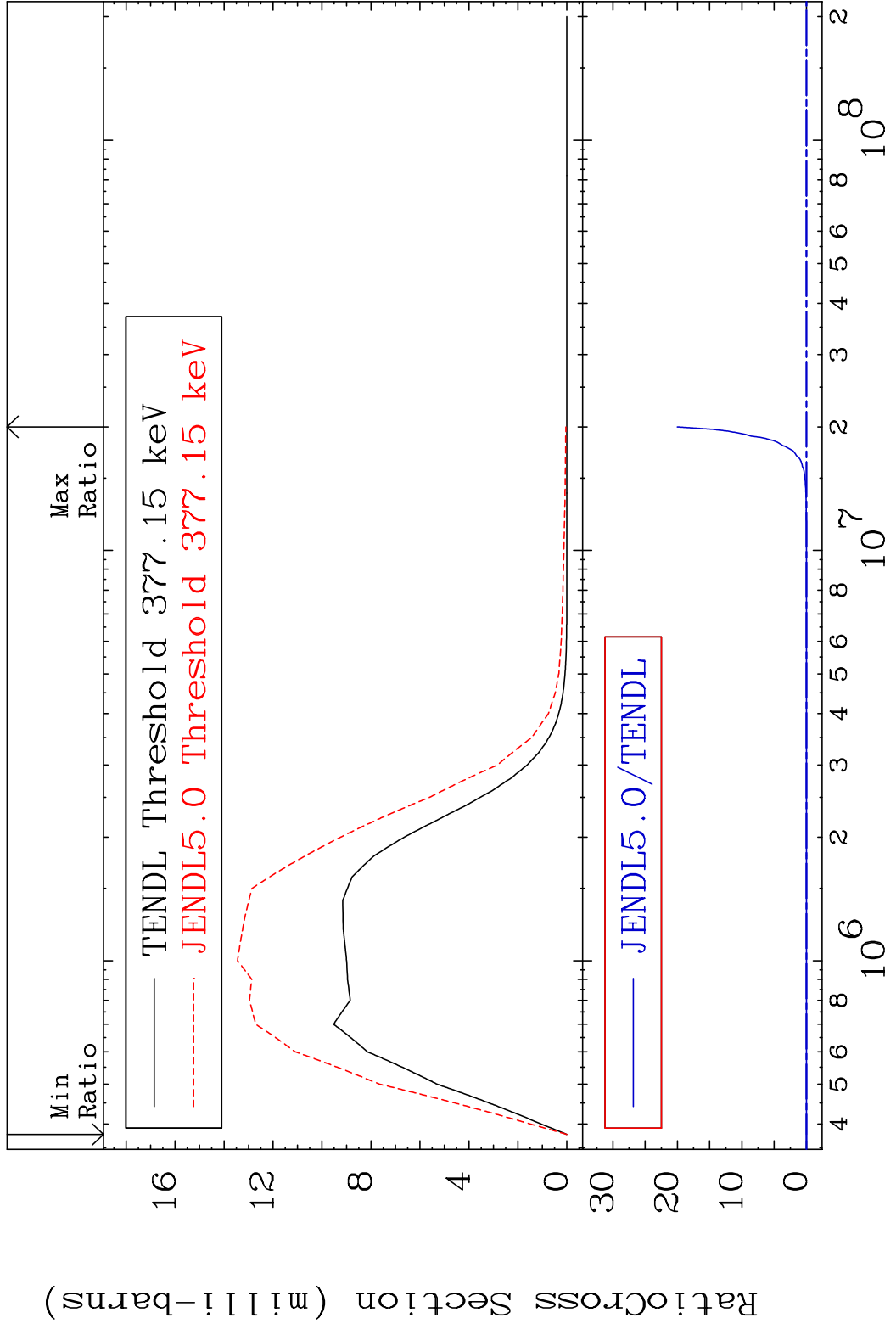
MAT 7240 MT= 53 (n, n') Level 72-Hf-179
 Cross Section -32.07 To 28.96 %



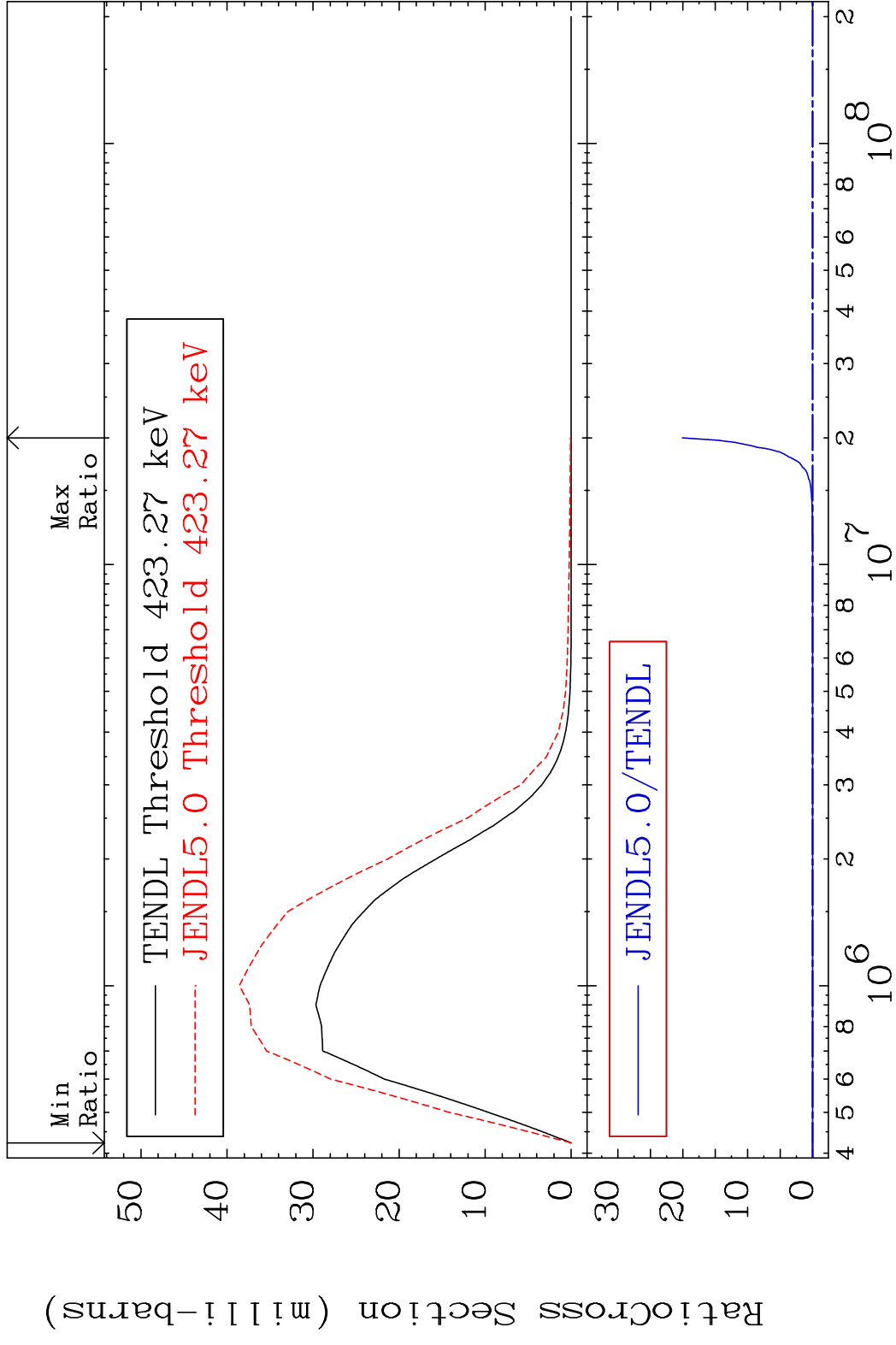
MAT 7240 MT= 54 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 9999. %



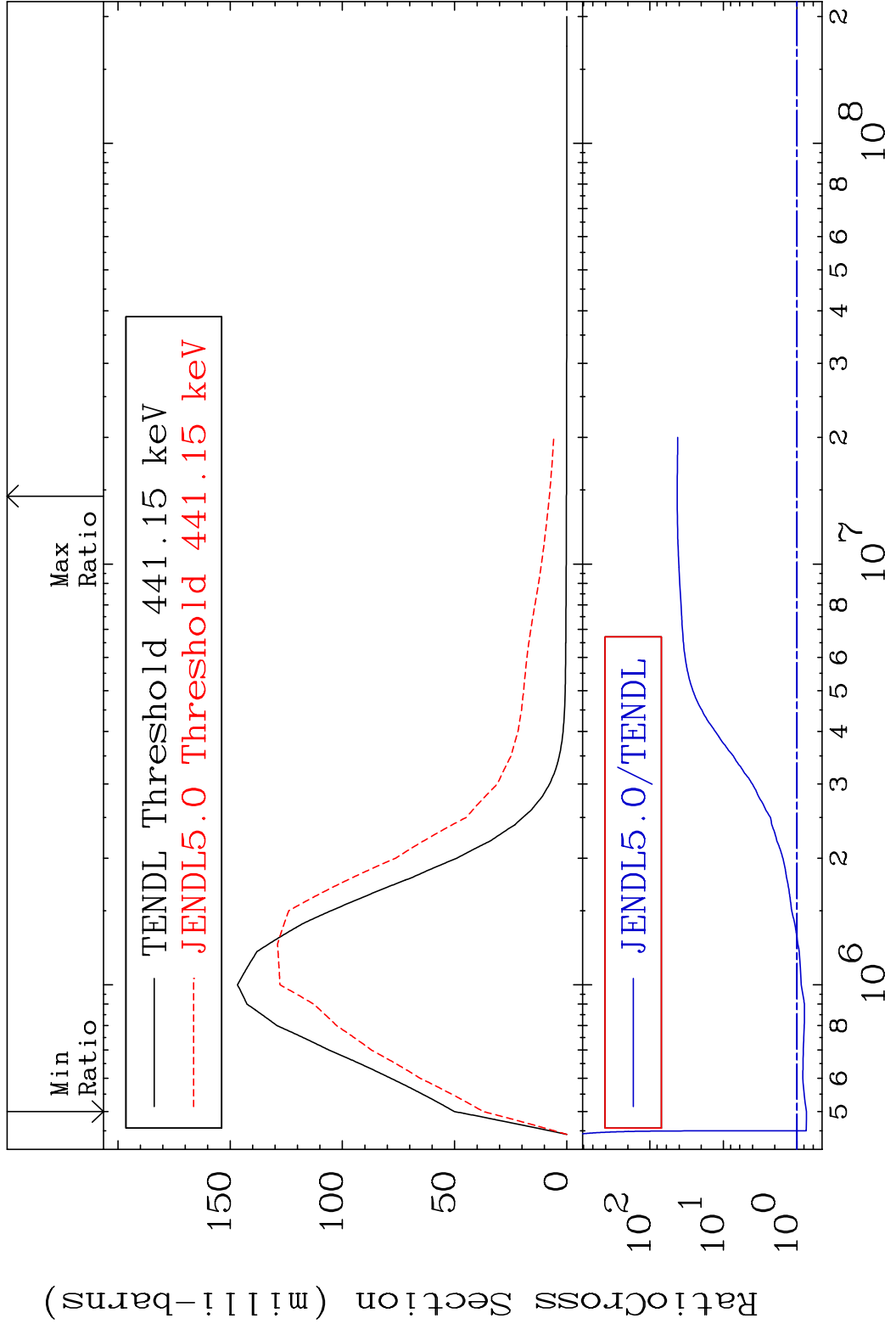
MAT 7240 MT= 55 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 9999. %



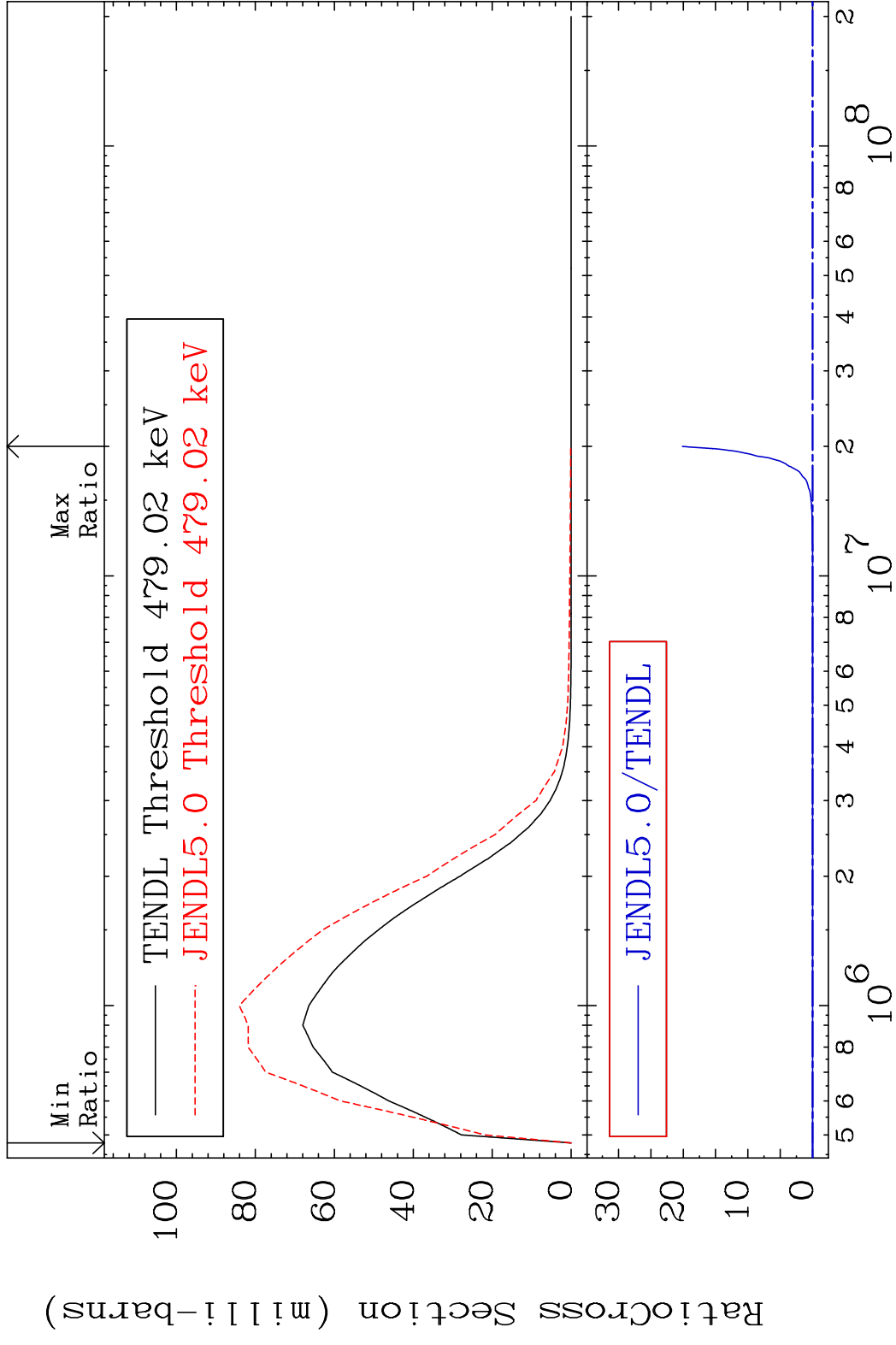
MAT 7240 MT= 56 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 9999. %



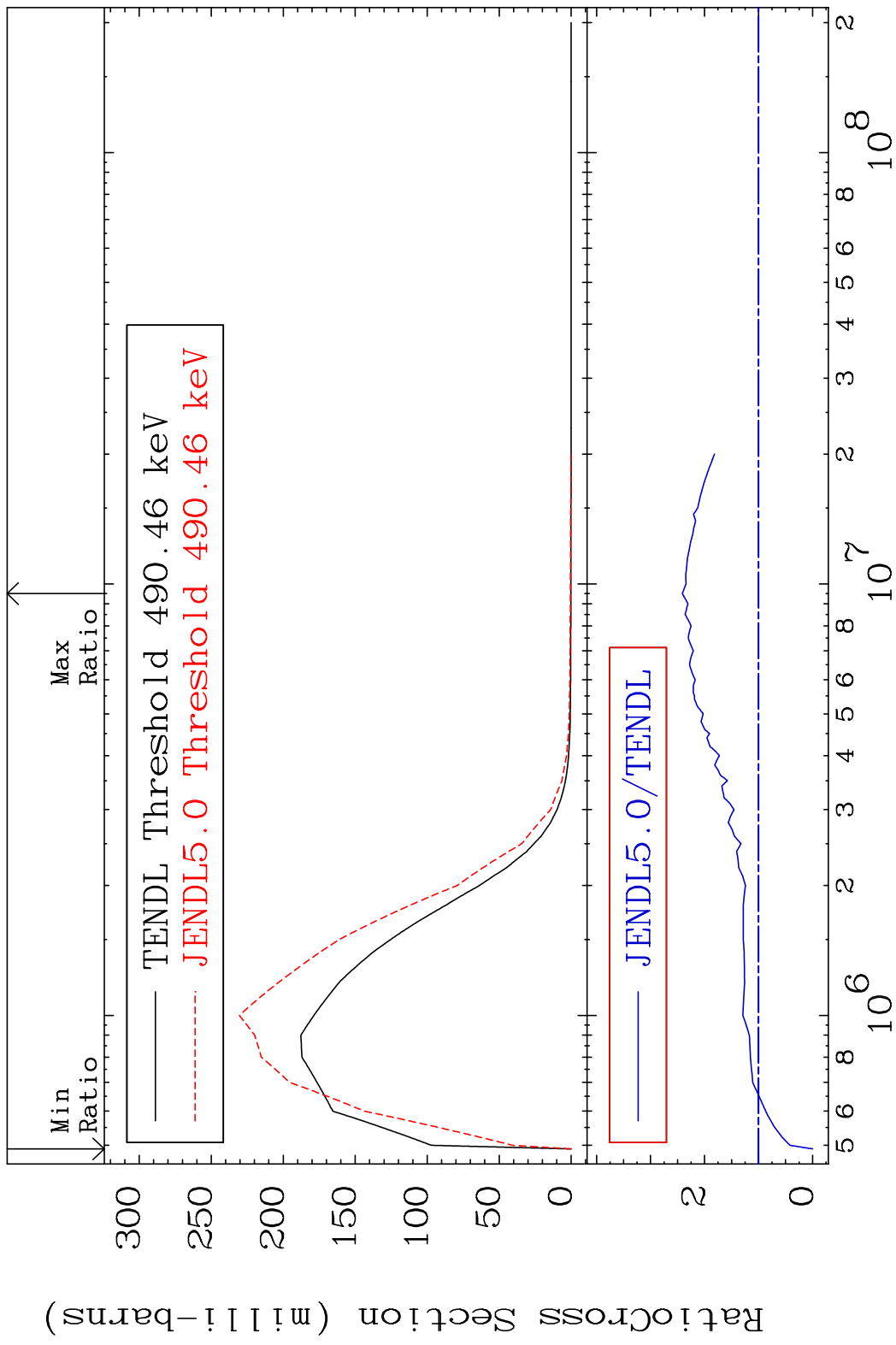
MAT 7240 MT= 57 (n, n') Level 72-Hf-179
 Cross Section -25.64 To 4160. %



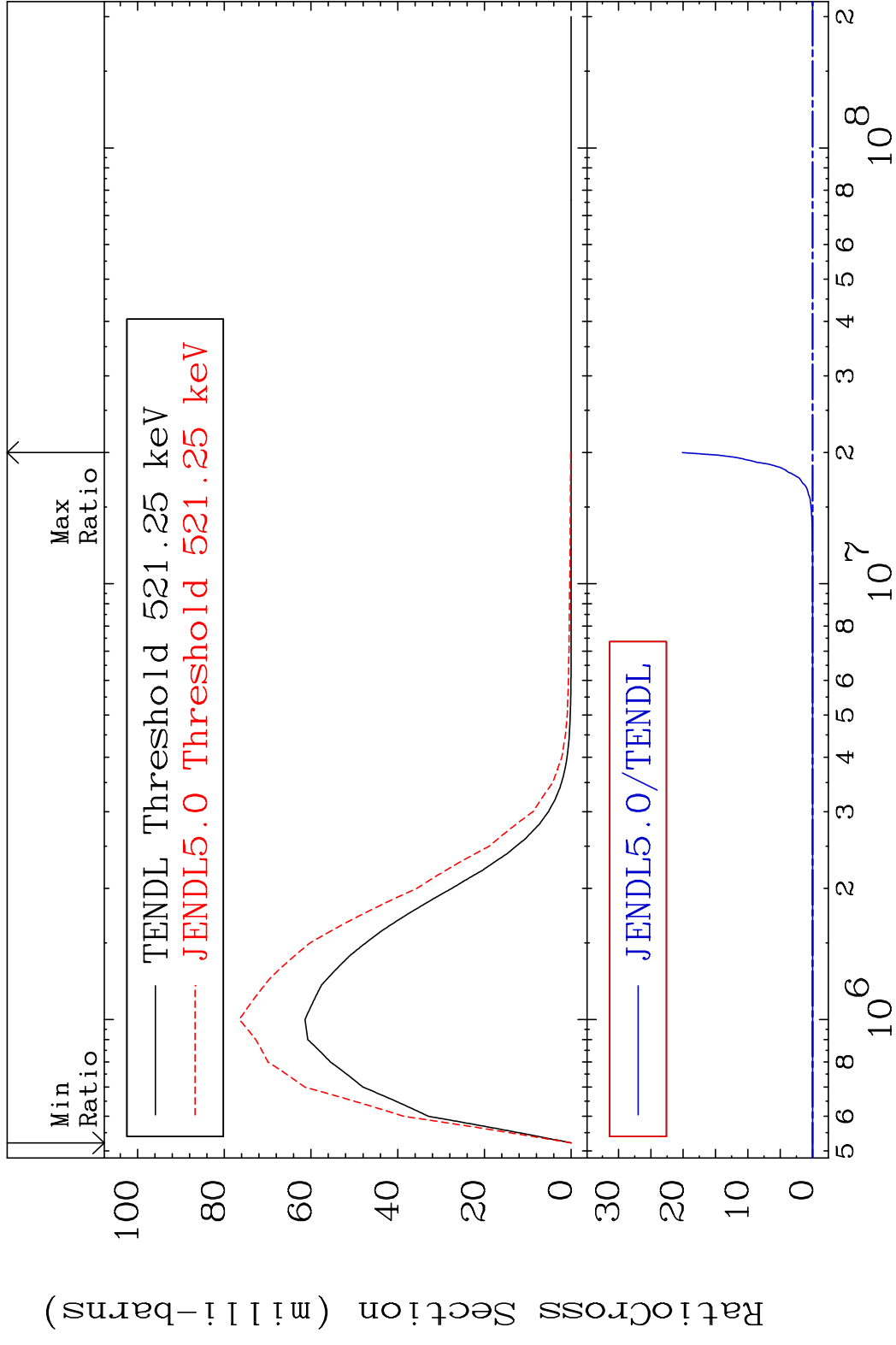
MAT 7240 MT= 58 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 9999. %



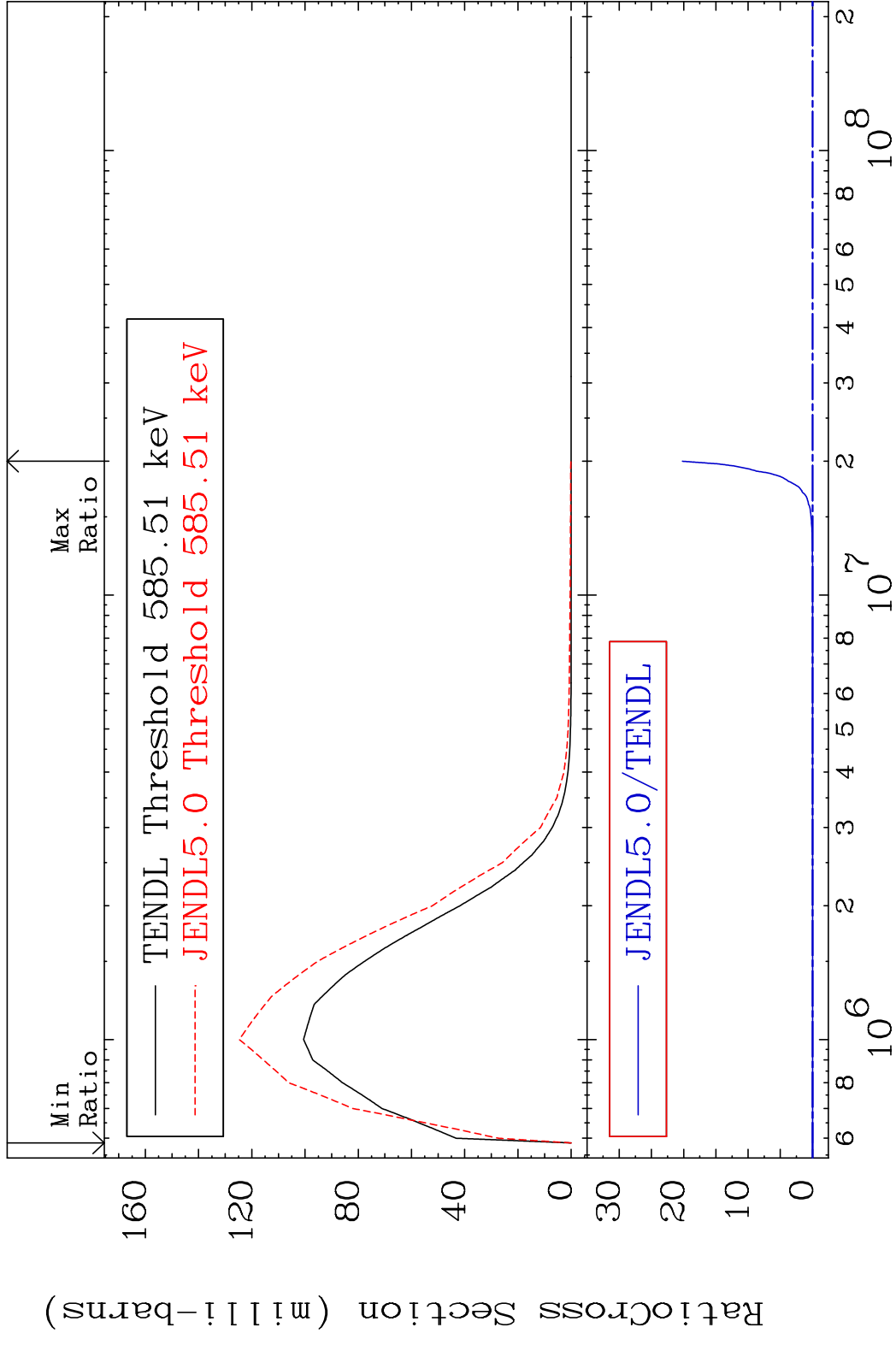
MAT 7240 MT= 59 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 141.1 %



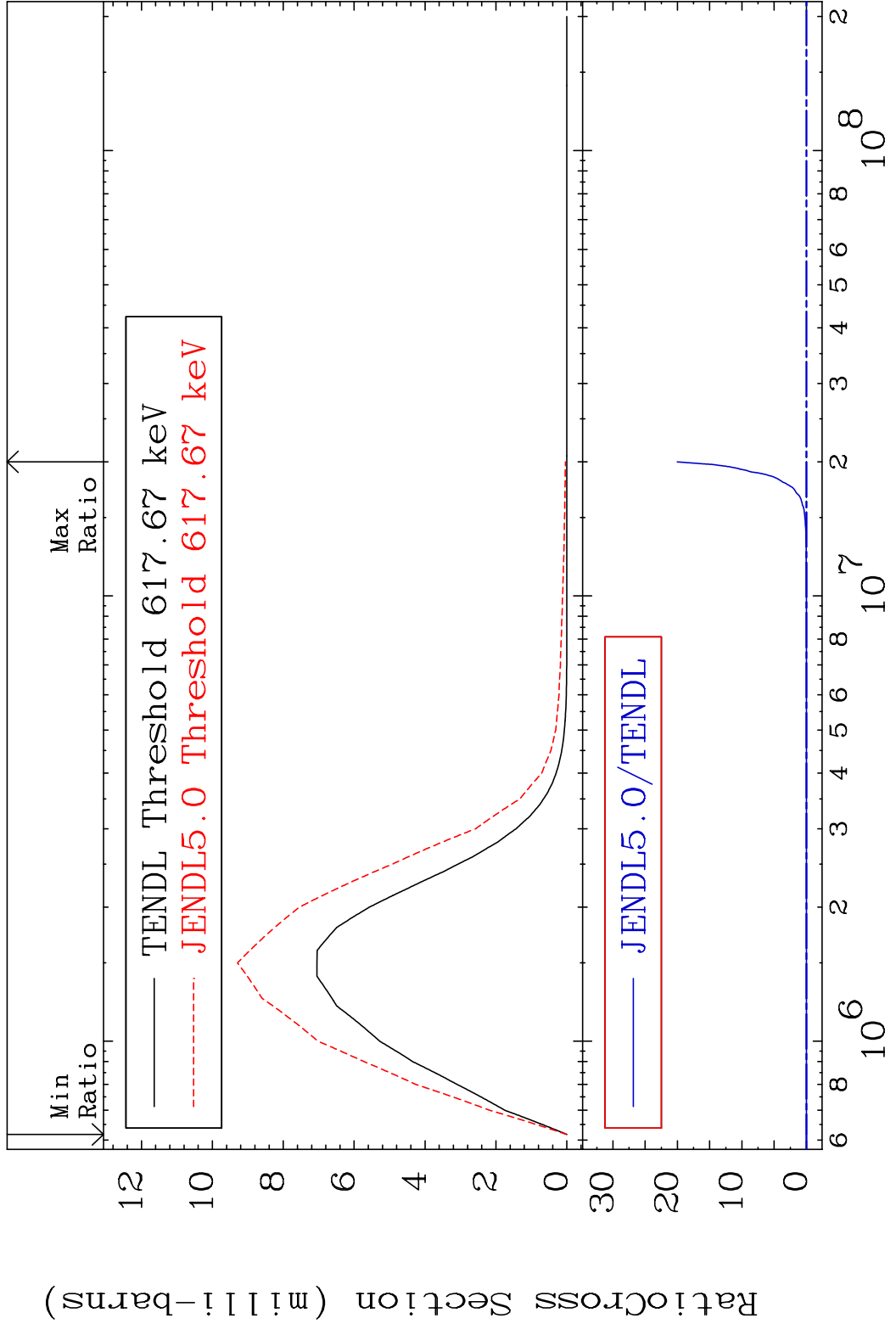
MAT 7240 MT= 60 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 9999. %



MAT 7240 MT= 61 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 9999. %

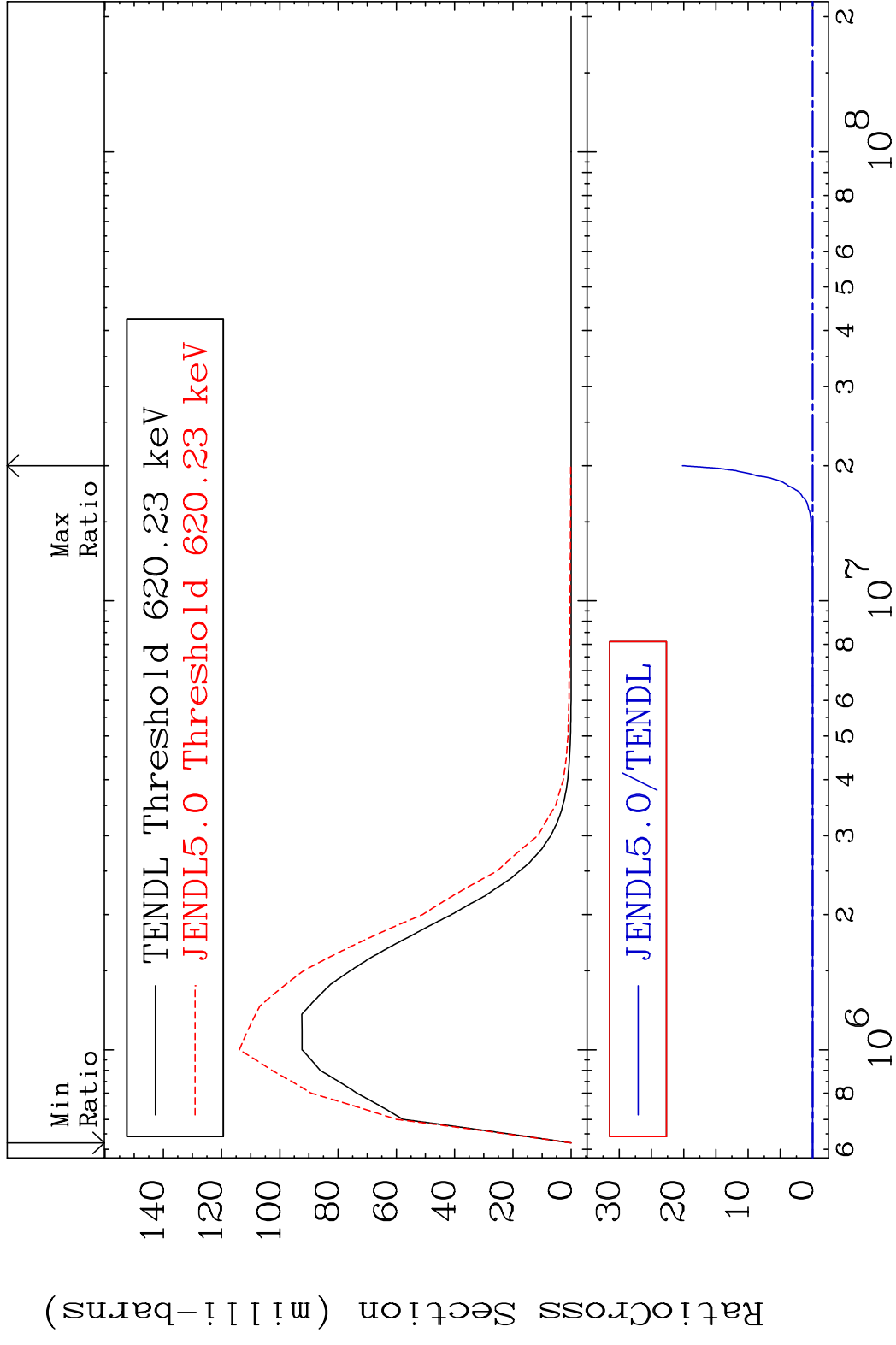


MAT 7240 MT= 62 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 9999. %

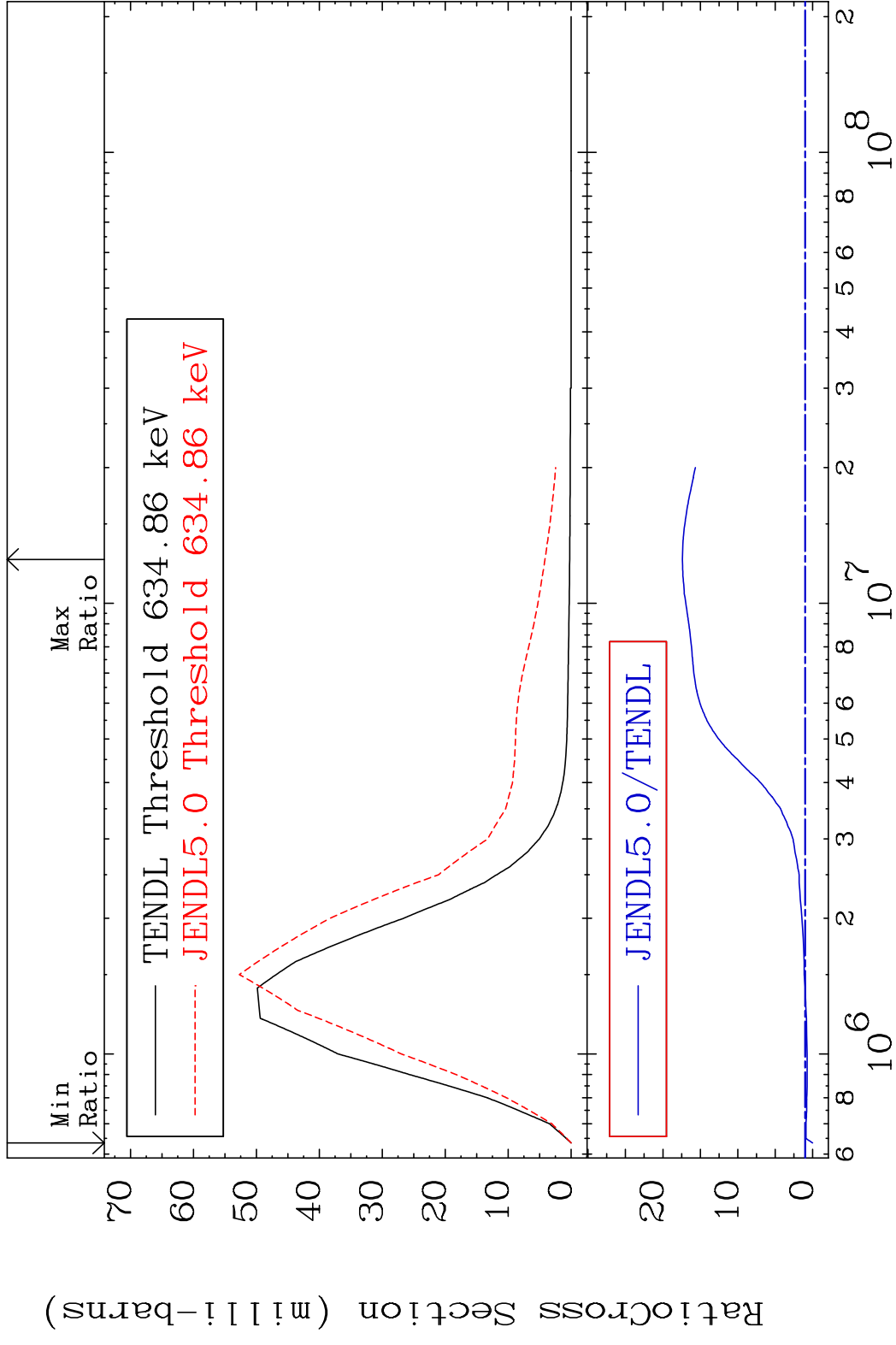


20 Incident Energy (eV) 72-Hf-179

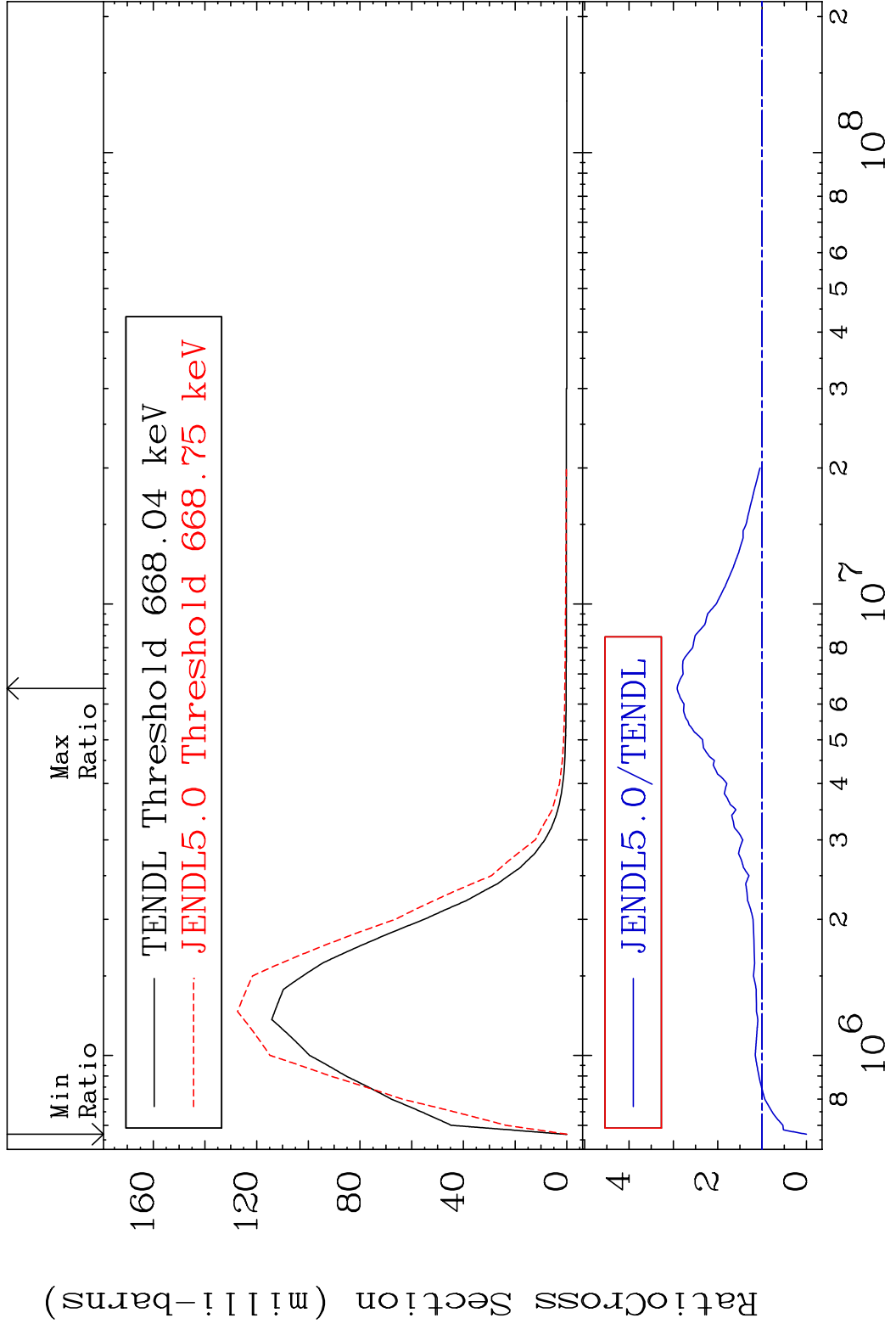
MAT 7240 MT= 63 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 9999. %



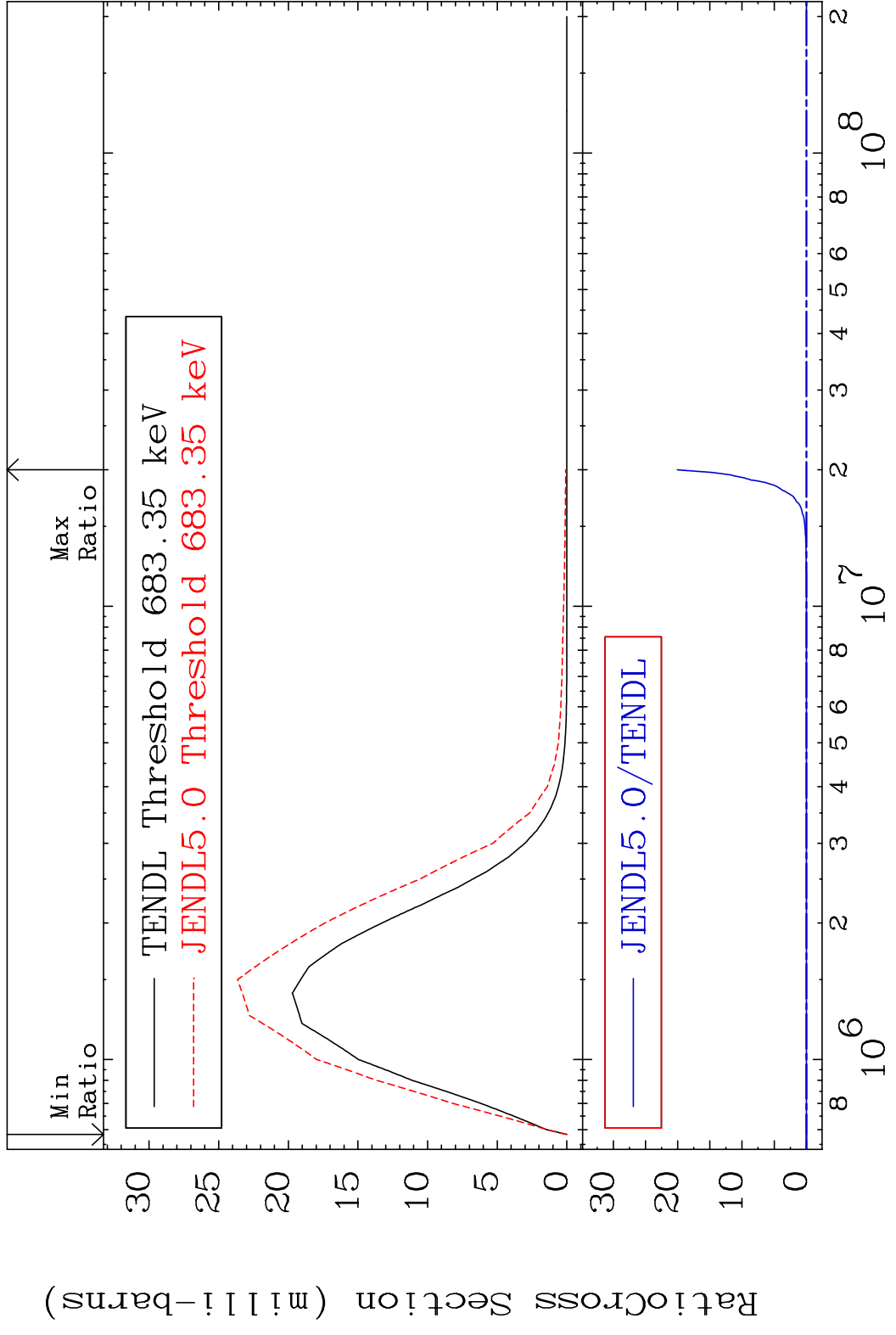
MAT 7240 MT= 64 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 1640. %



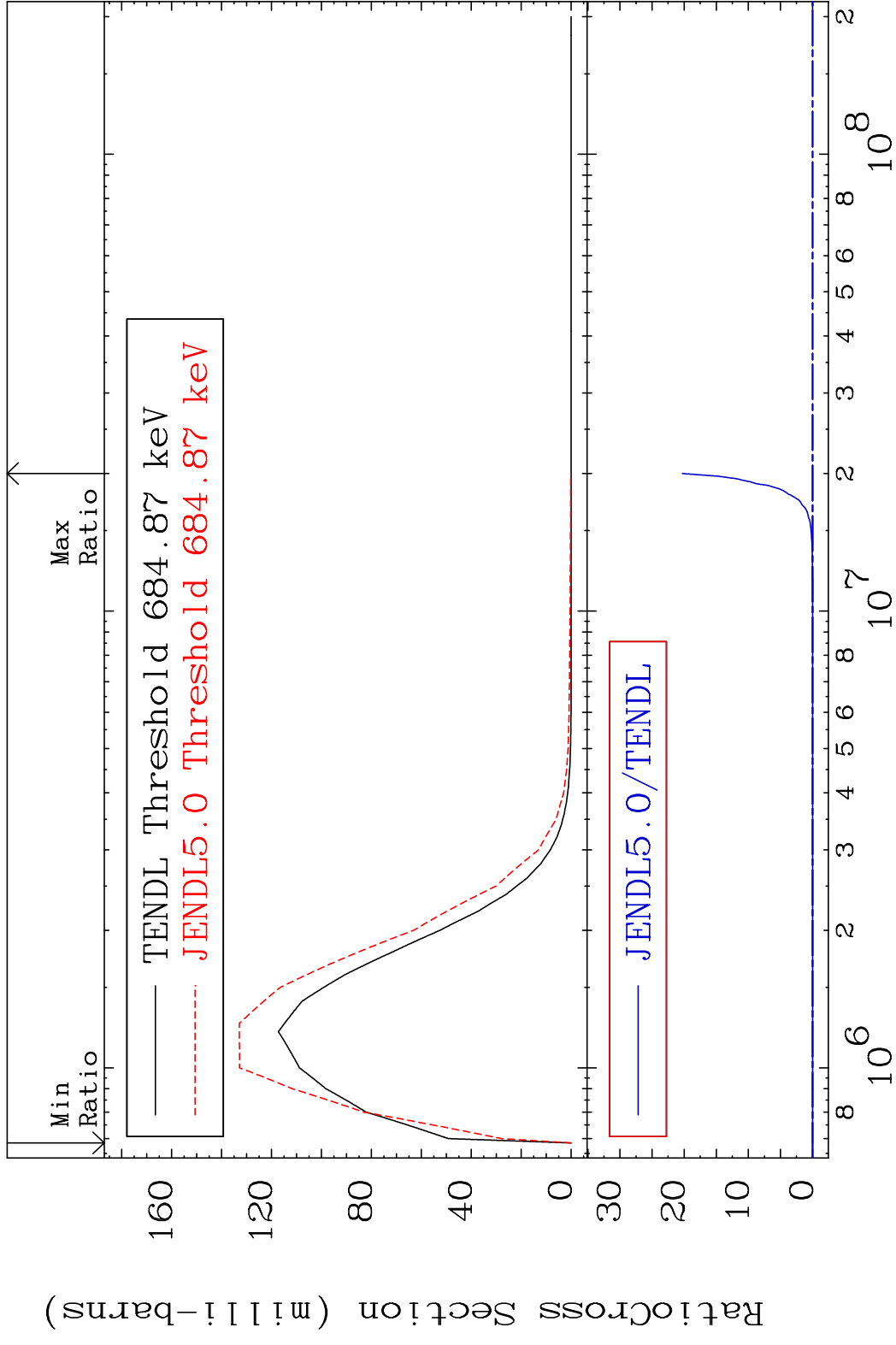
MAT 7240 MT= 65 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 191.2 %



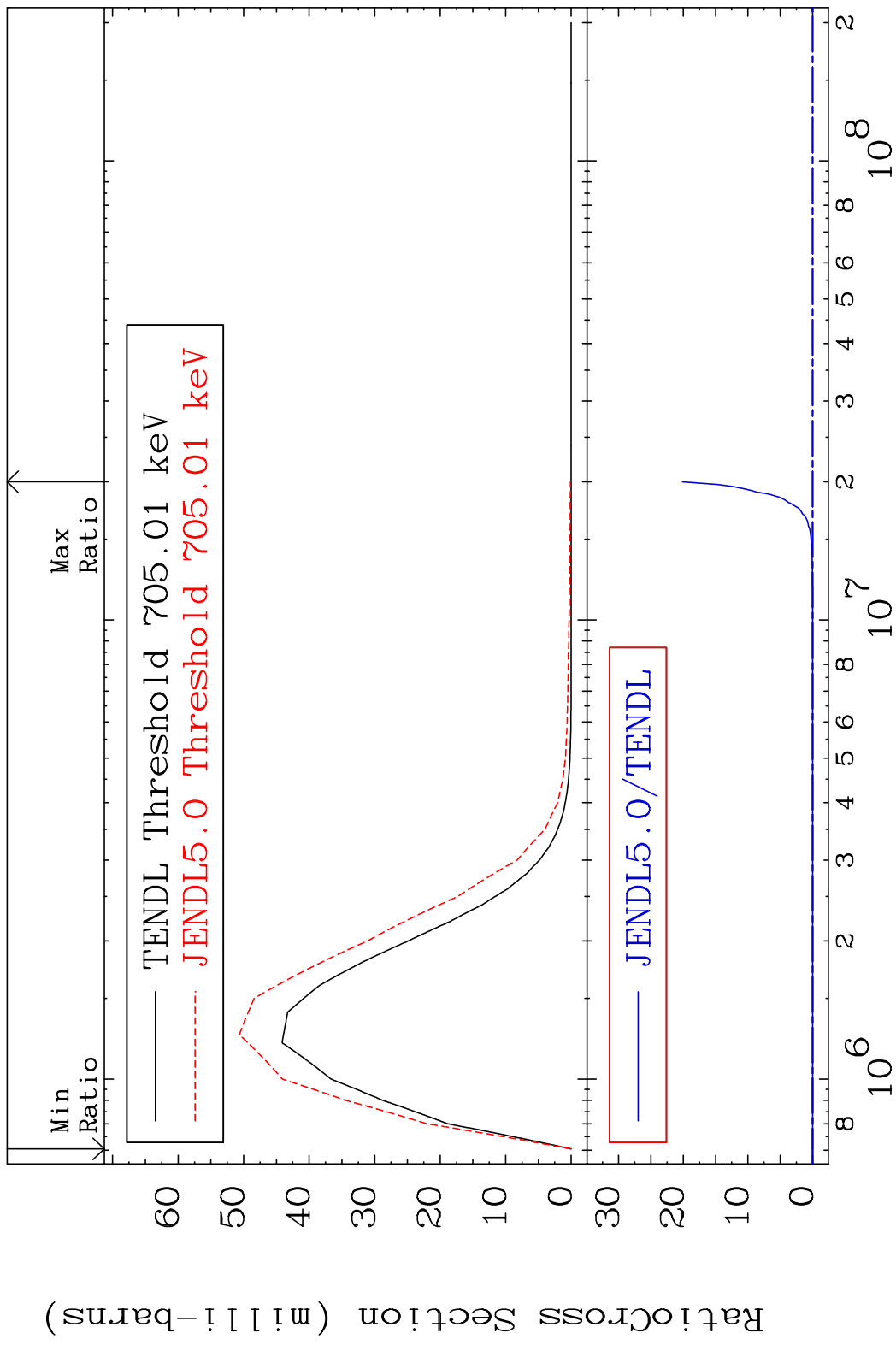
MAT 7240 MT= 66 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 9999. %



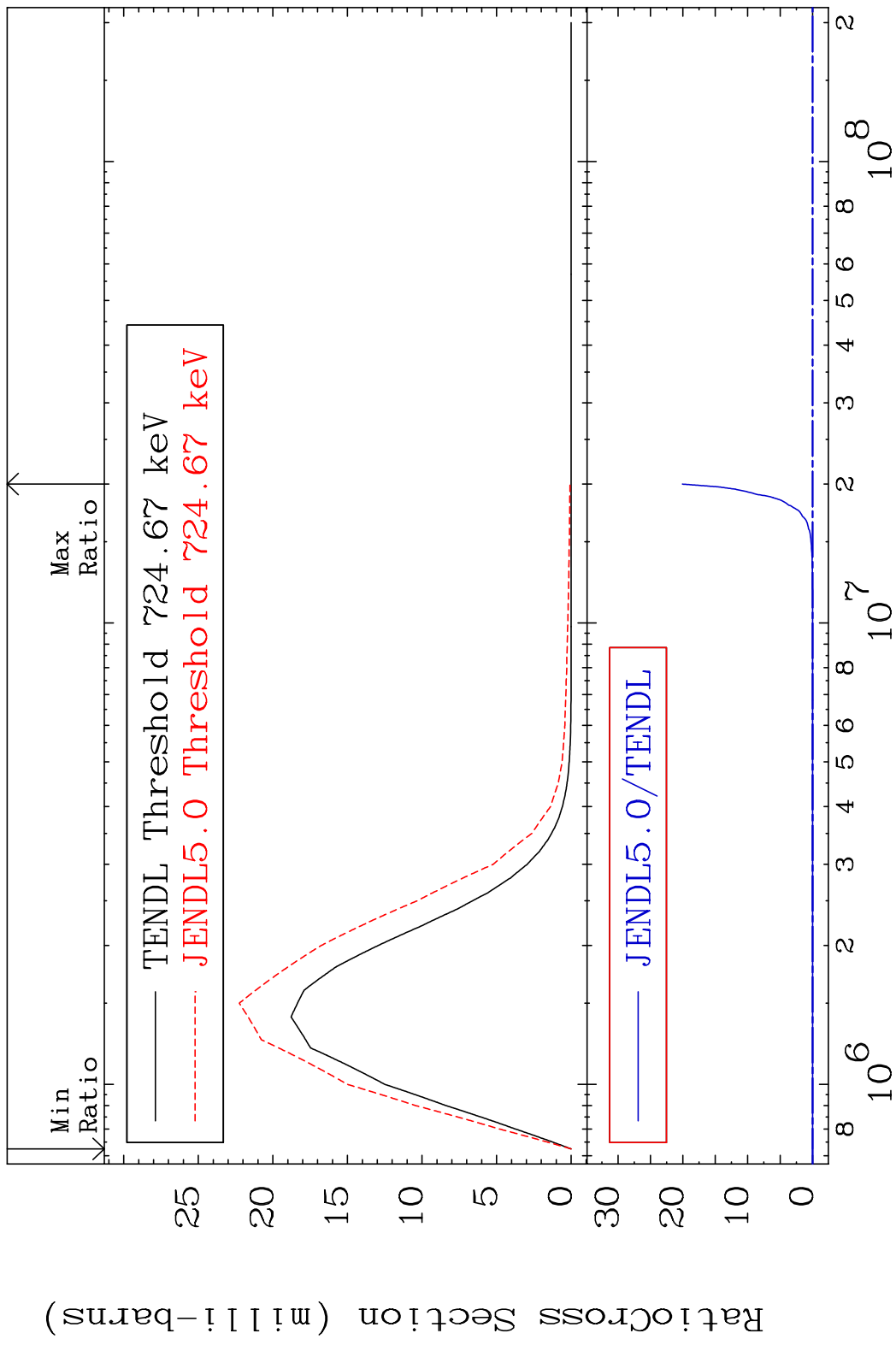
MAT 7240 MT= 67 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 9999. %



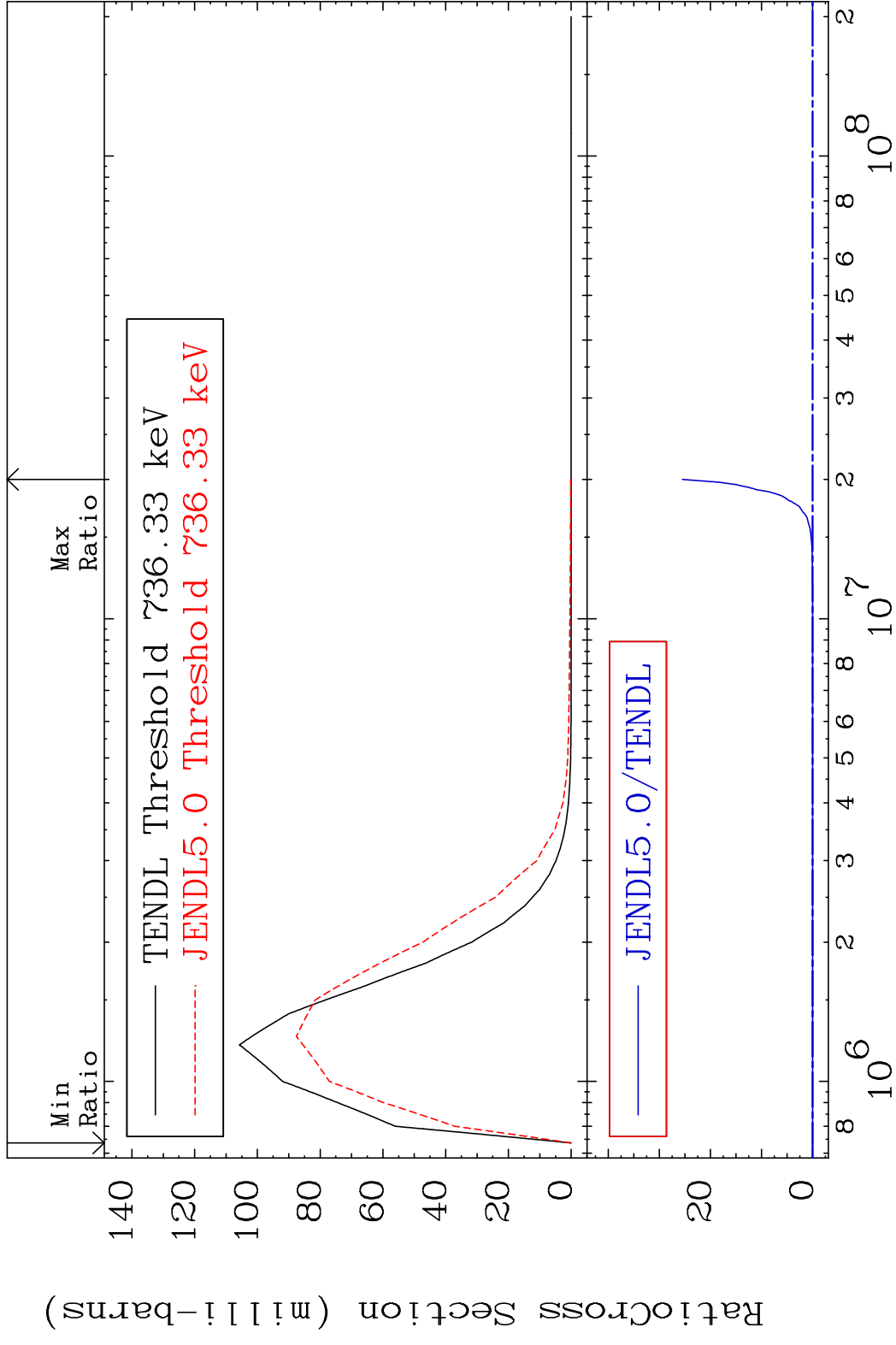
MAT 7240 MT= 68 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 9999. %



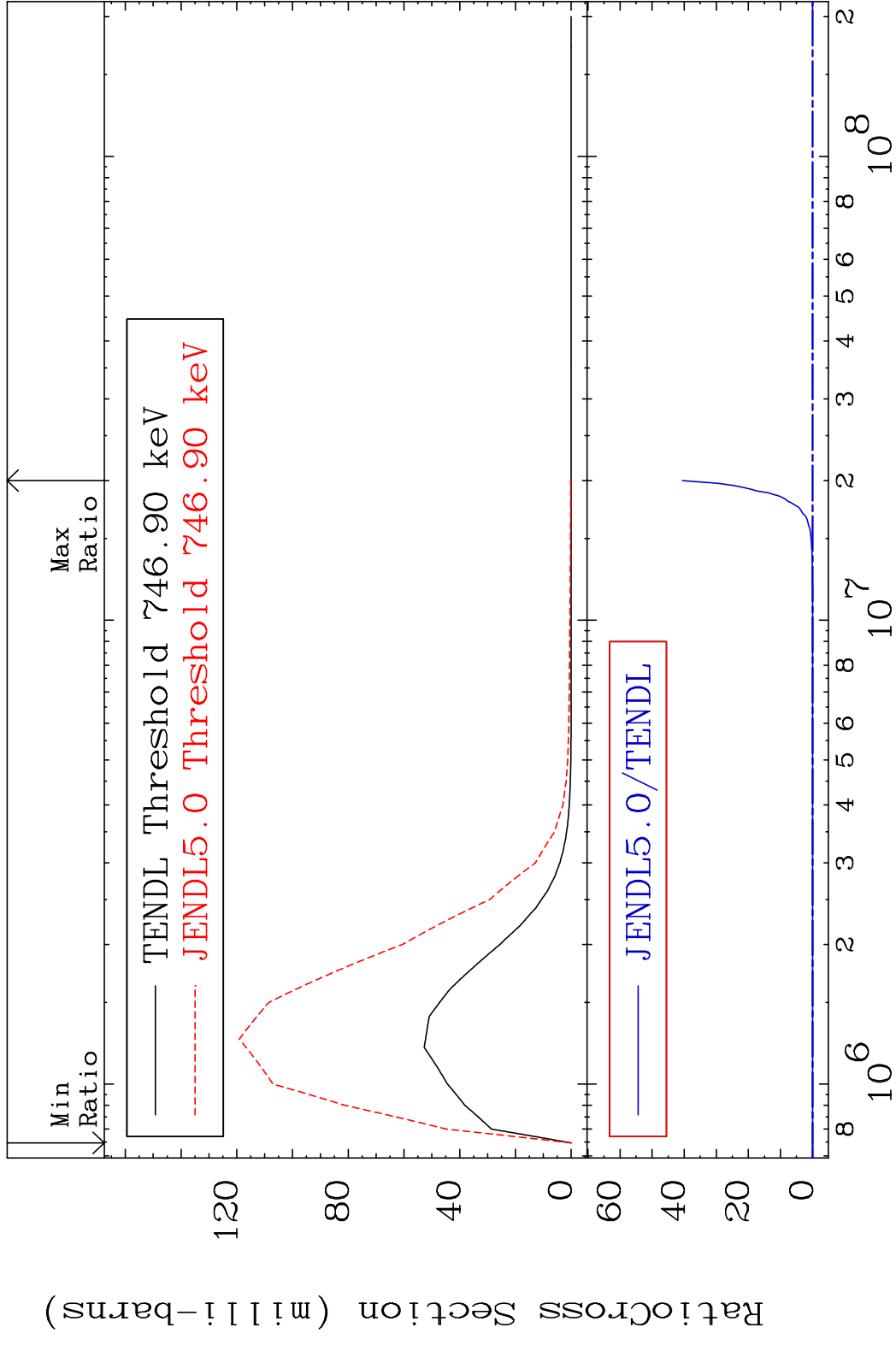
MAT 7240 MT= 69 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 9999. %



MAT 7240 MT= 70 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 9999. %

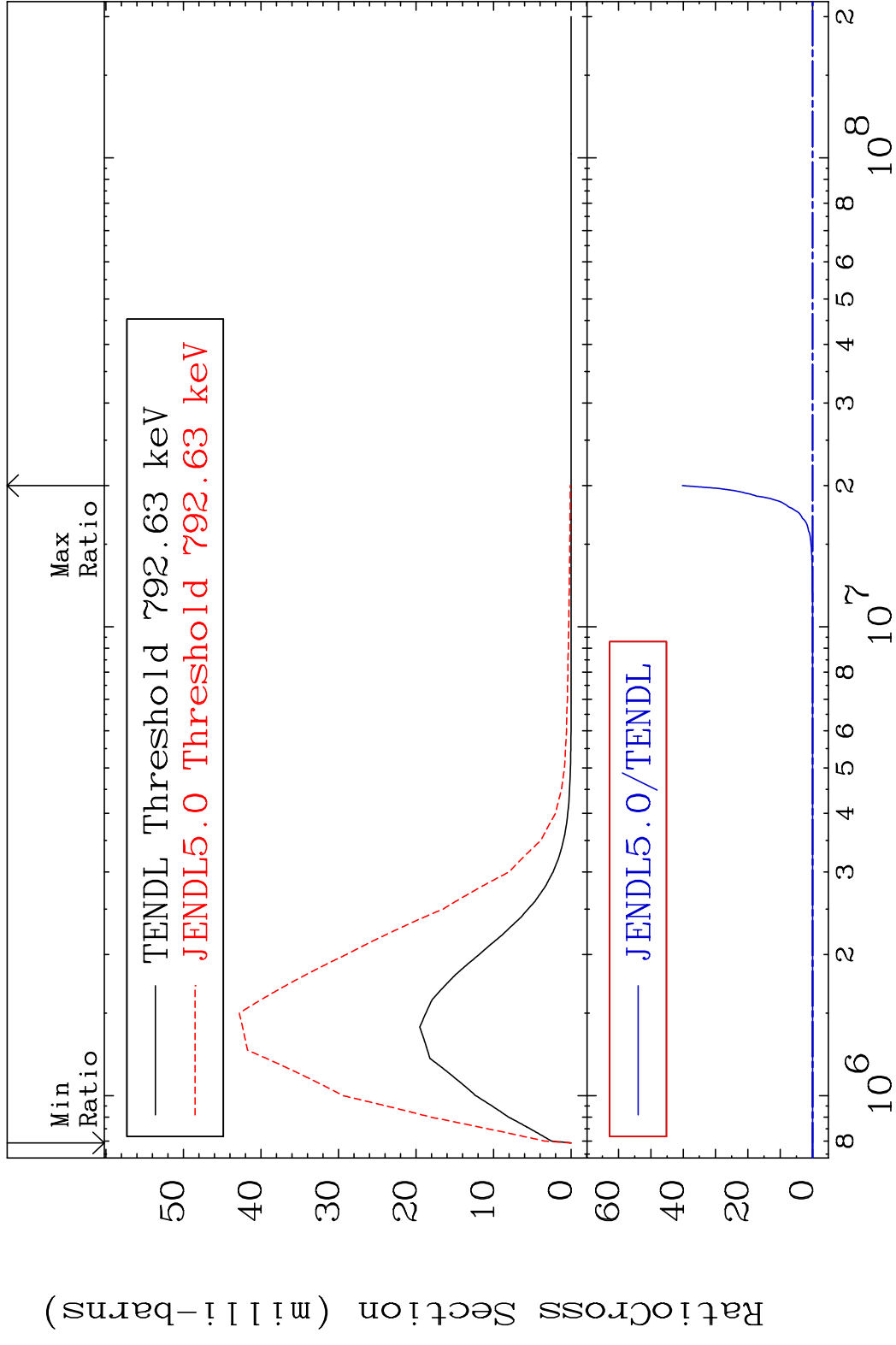


MAT 7240 MT= 71 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 9999. %



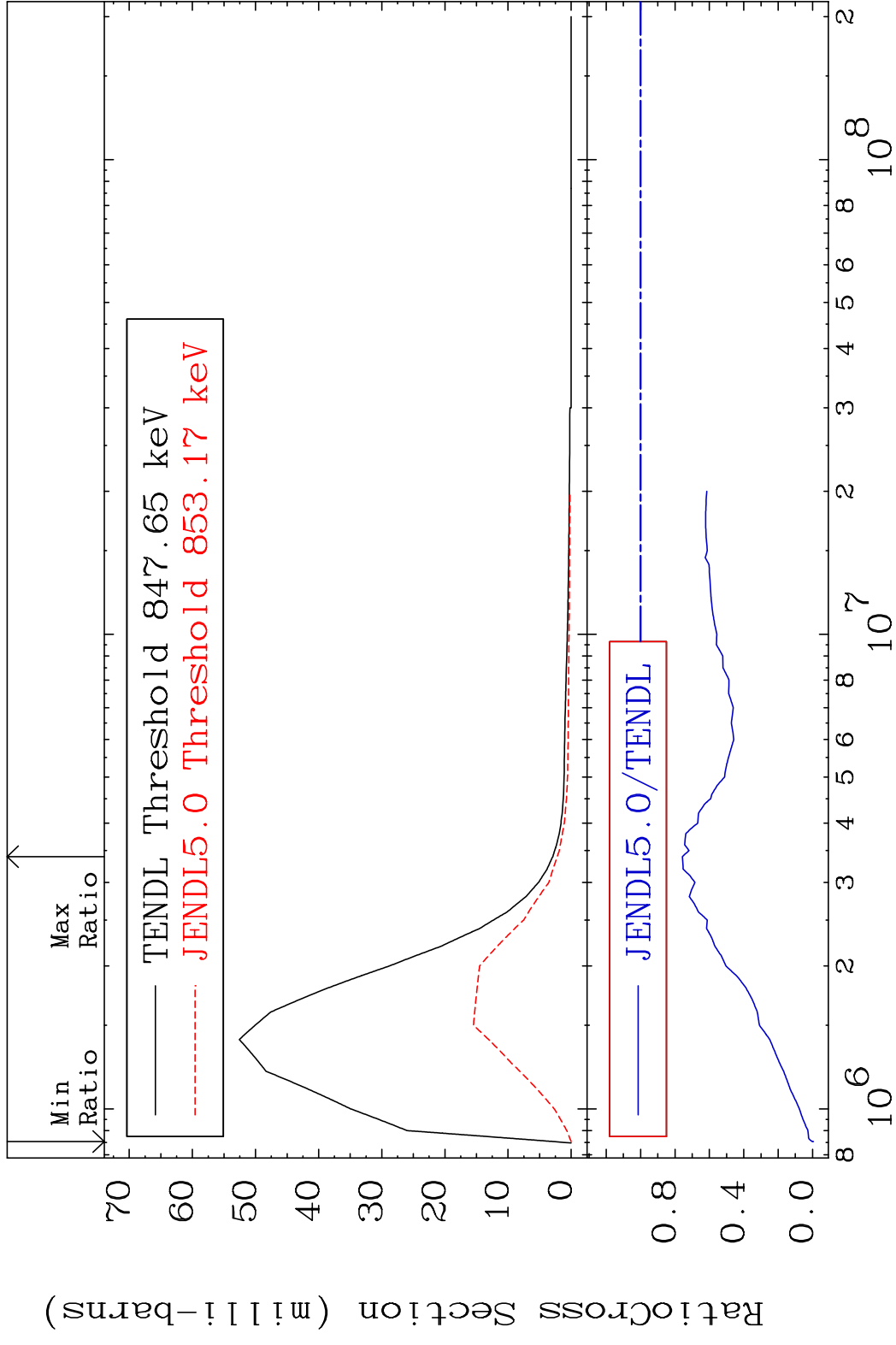
29 Incident Energy (eV) 72-Hf-179

MAT 7240 MT= 72 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 9999. %

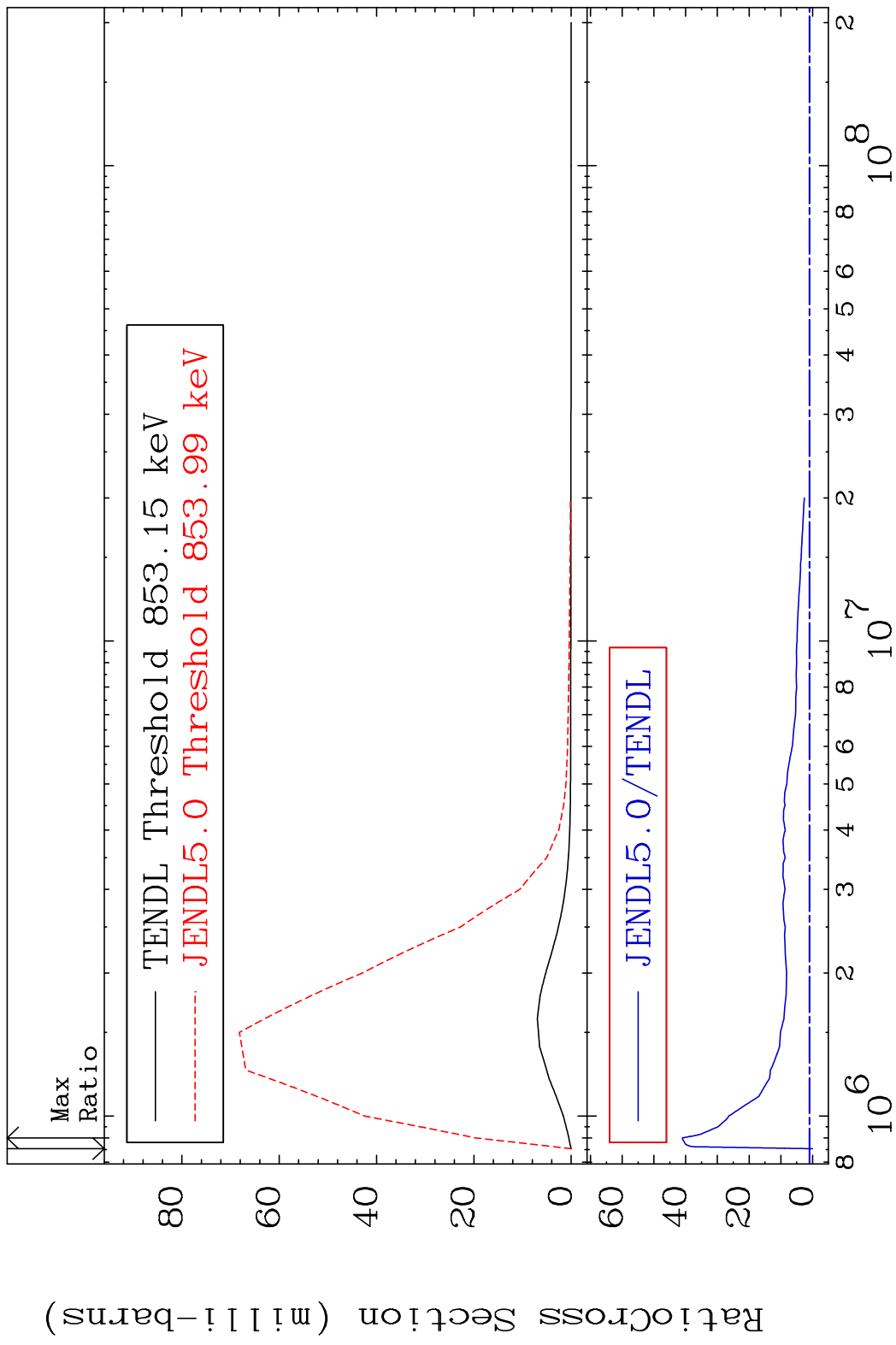


30 Incident Energy (eV) 72-Hf-179

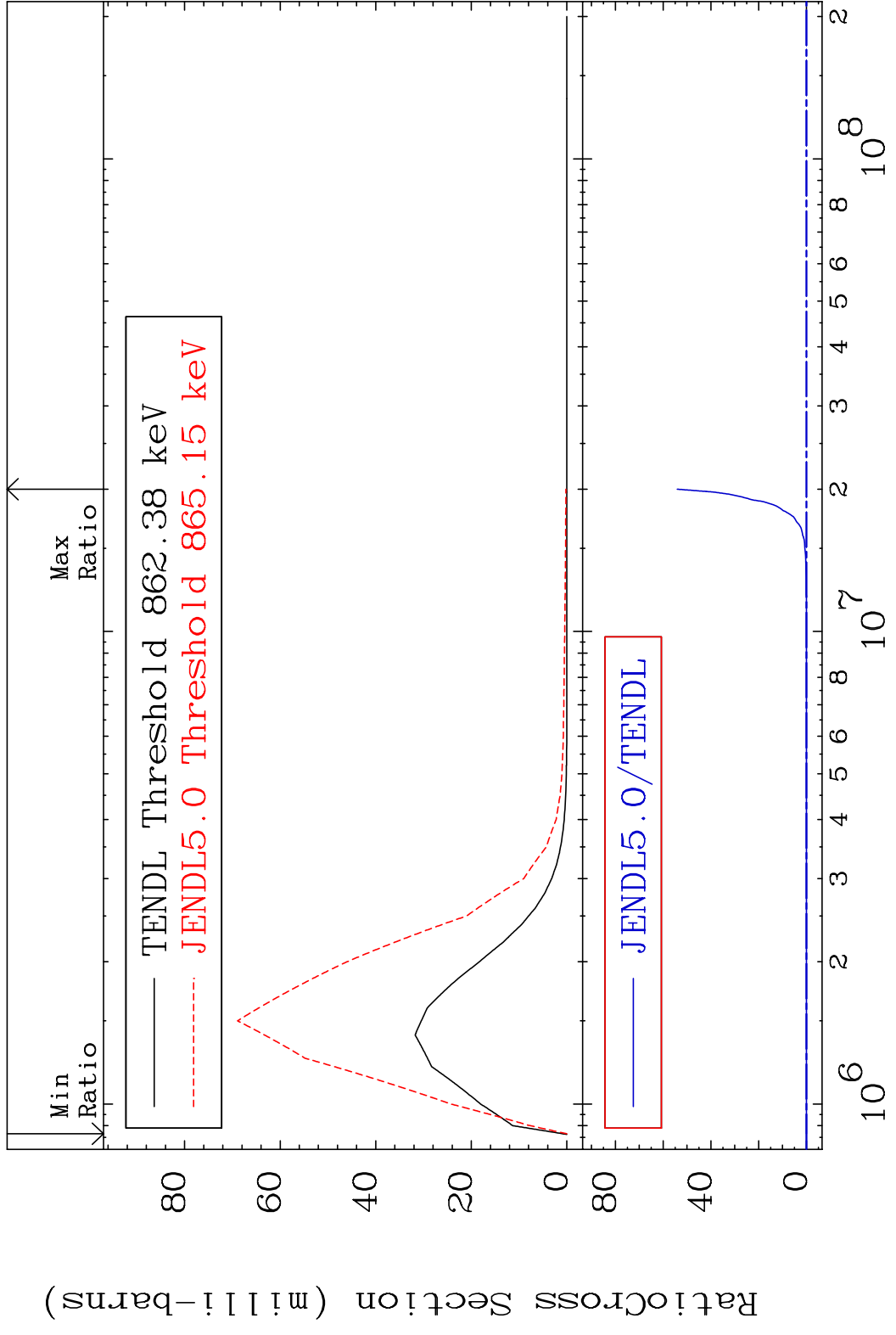
MAT 7240 MT= 73 (n, n') Level 72-Hf-179
 Cross Section -100.0 To -24.28%



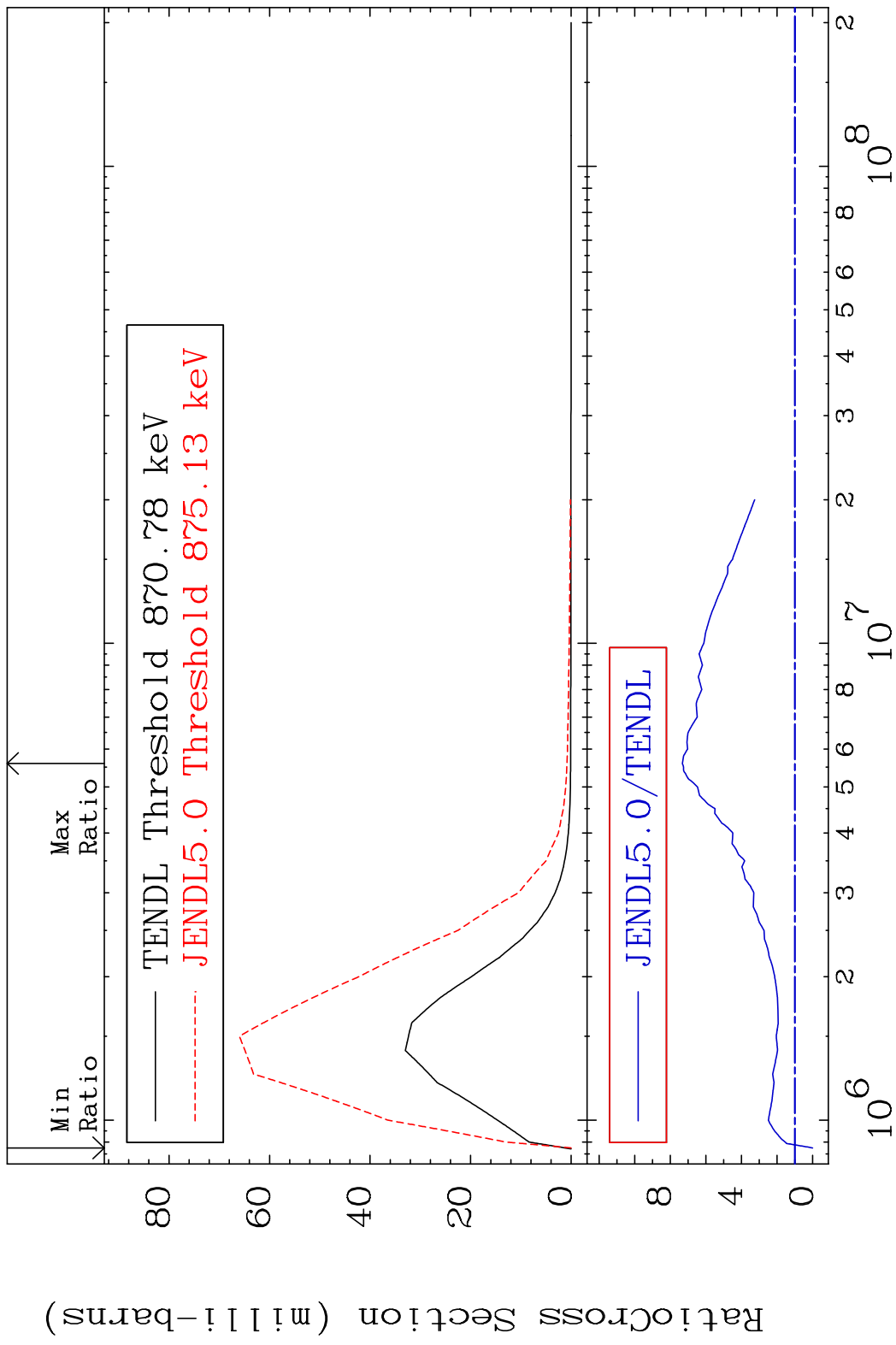
MAT 7240 MT= 74 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 4004. %



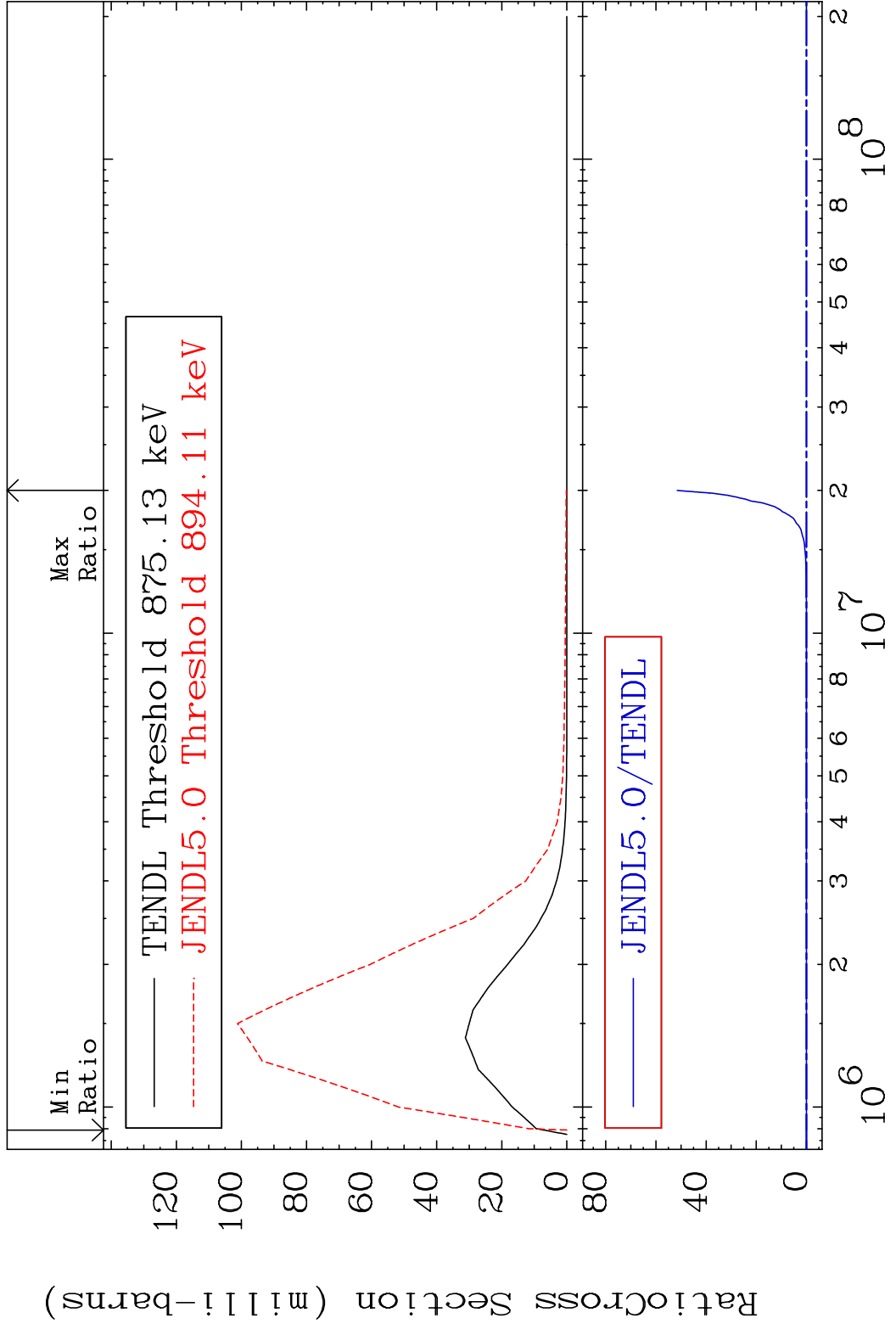
MAT 7240 MT= 75 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 9999. %



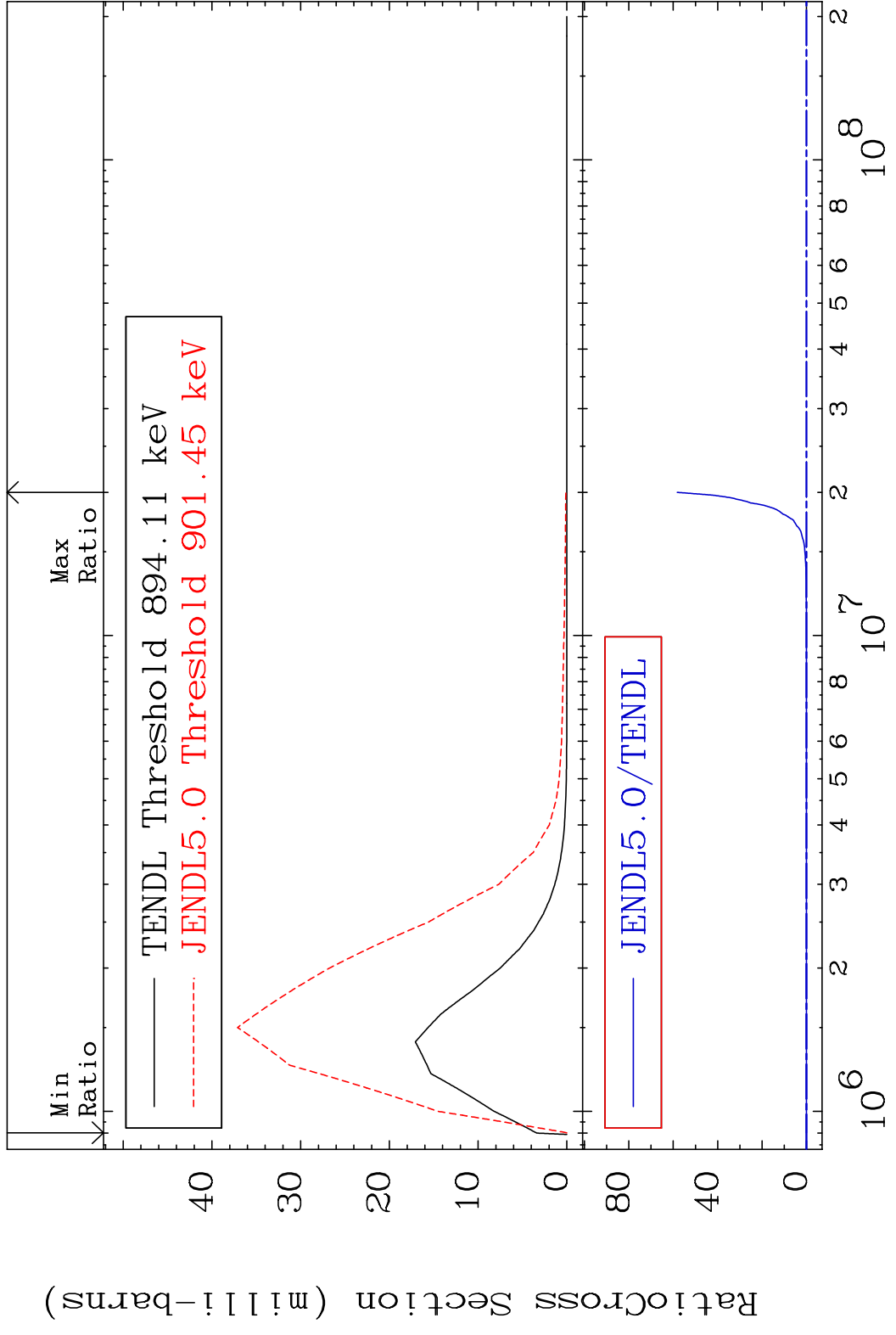
MAT 7240 MT= 76 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 631.9 %



MAT 7240 MT= 77 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 9999. %



MAT 7240 MT= 78 (n, n') Level 72-Hf-179
 Cross Section -100.0 To 9999. %

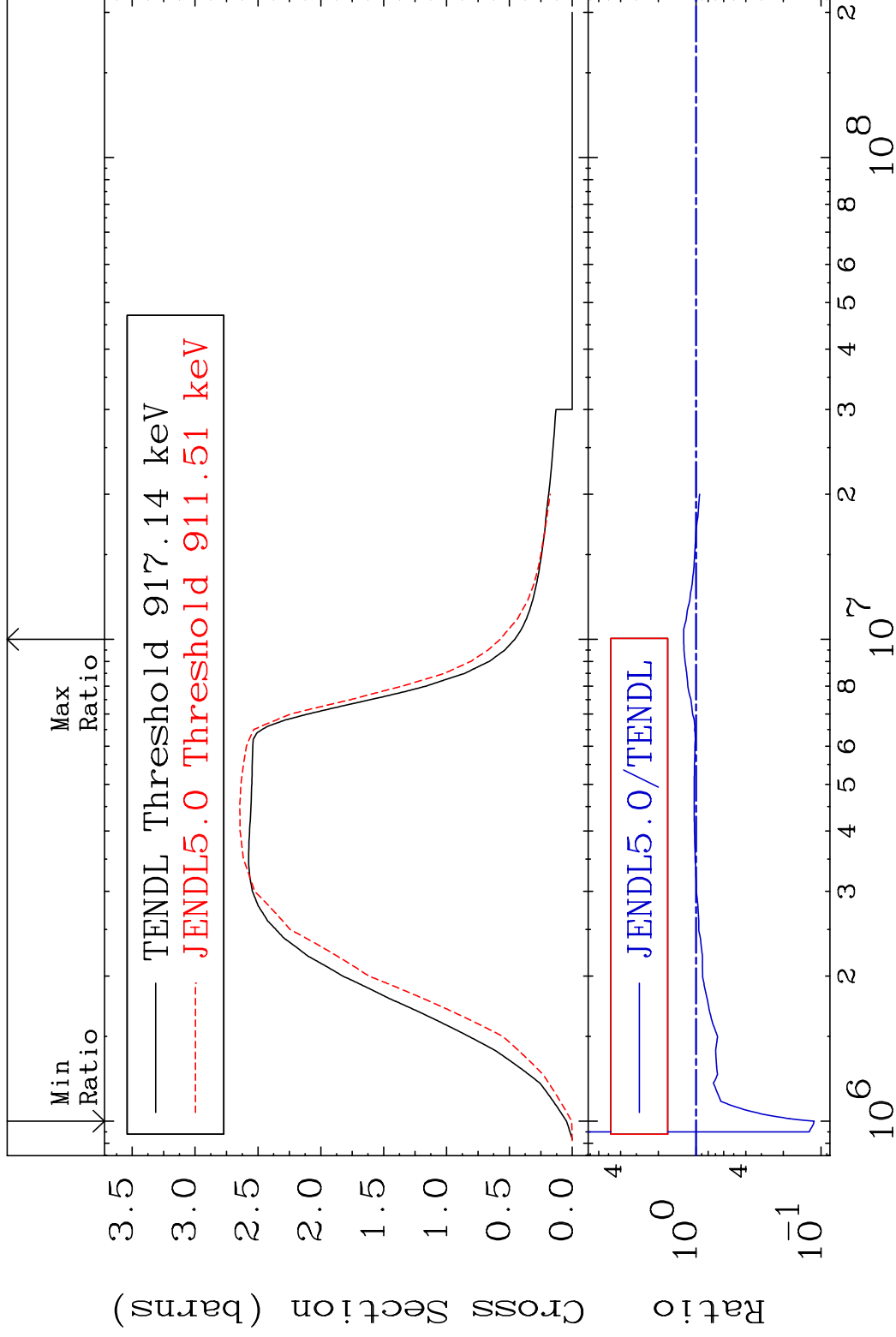


MAT 7240

(n, n') Continuum

72-Hf-179

Cross Section -88.64 To 25.52 %



37

Incident Energy (eV)

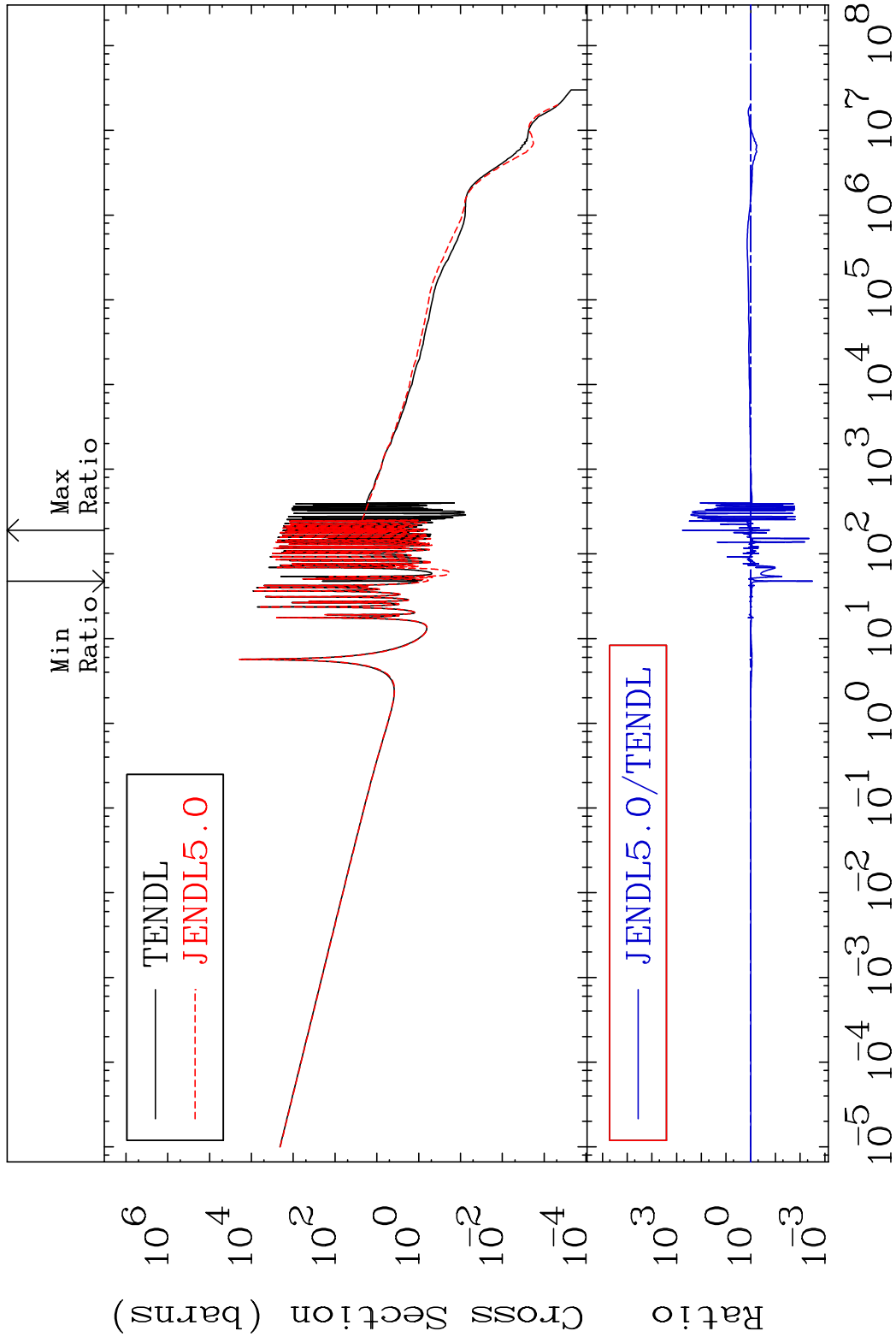
72-Hf-179

MAT 7240

(n, γ)

72-Hf-179

Cross Section -99.69 To 9999. %



38

Incident Energy (eV)

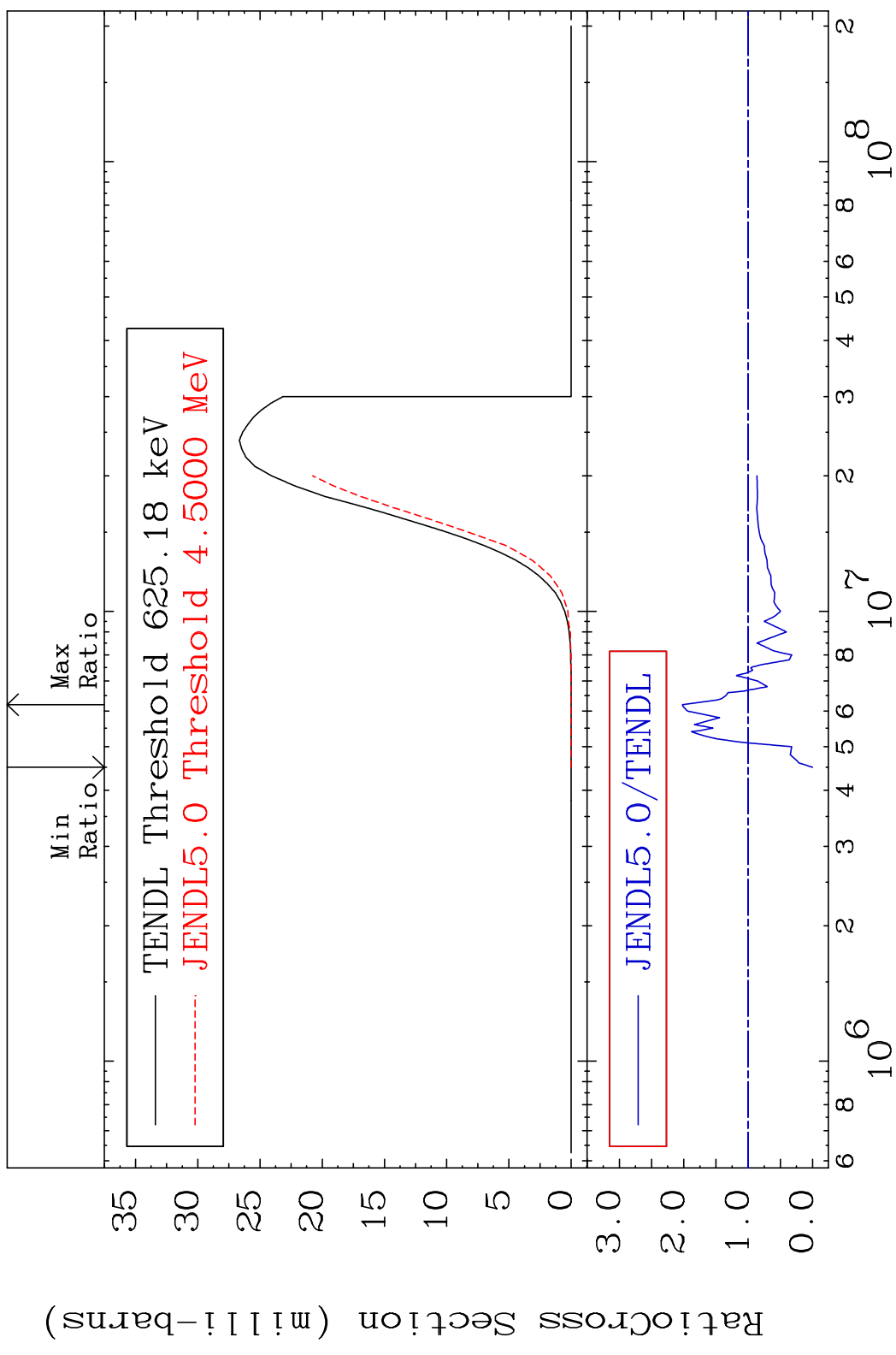
72-Hf-179

MAT 7240

(n, p)

72-Hf-179

Cross Section -100.0 To 102.2 %

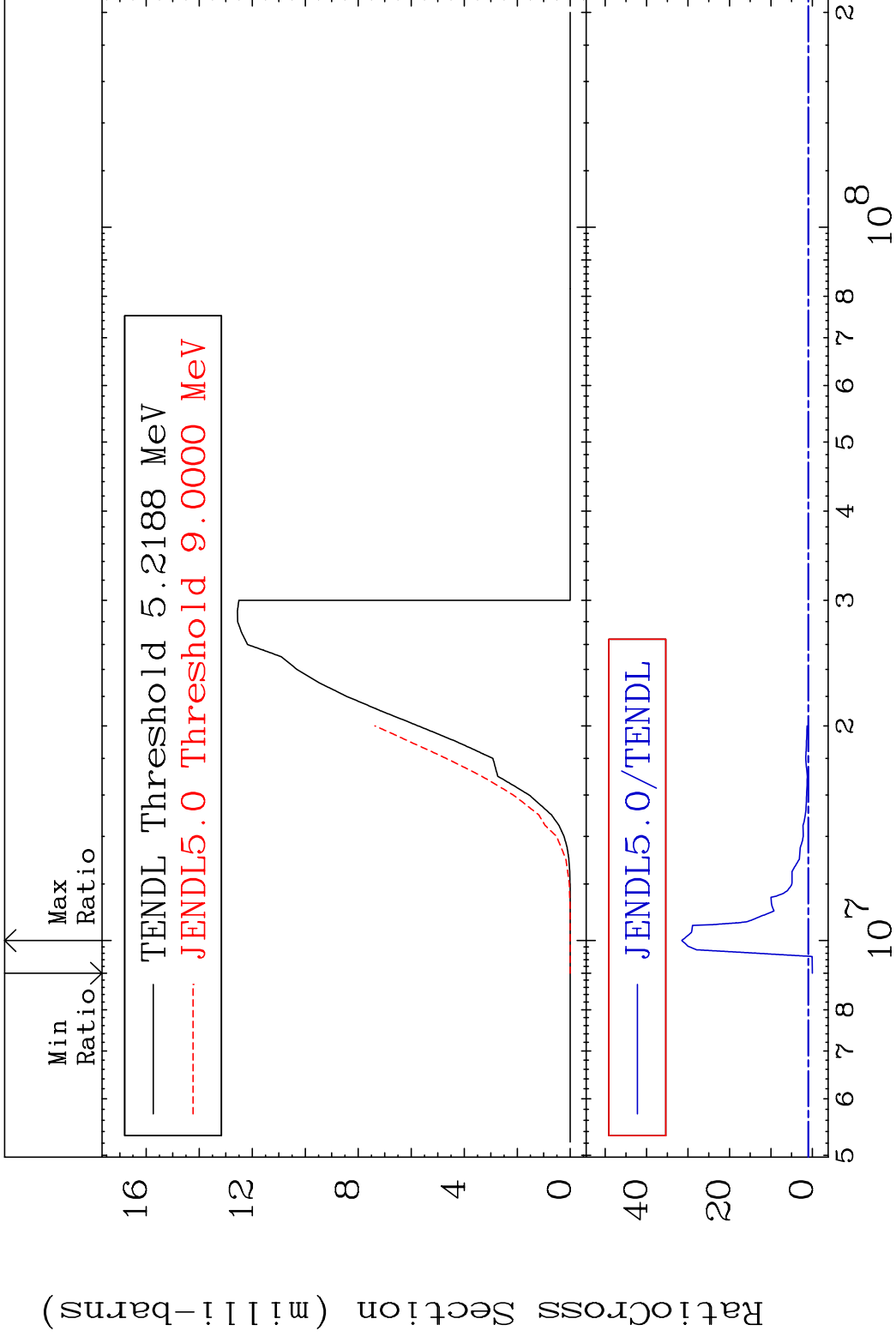


MAT 7240

(n,d)

72-Hf-179

Cross Section -100.0 To 3052. %



40

Incident Energy (eV)

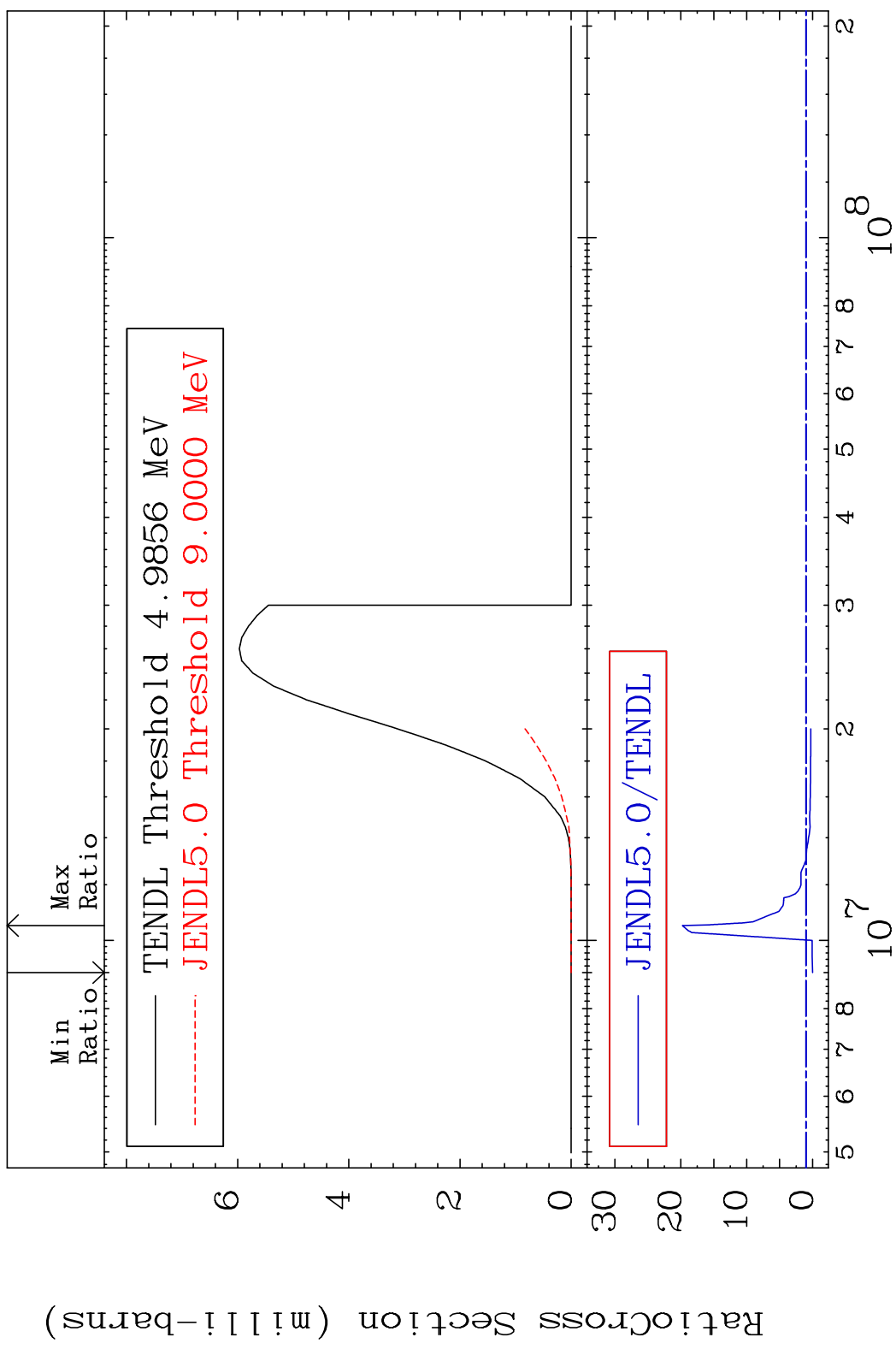
72-Hf-179

MAT 7240

(n, t)

72-Hf-179

Cross Section -100.0 To 1877. %

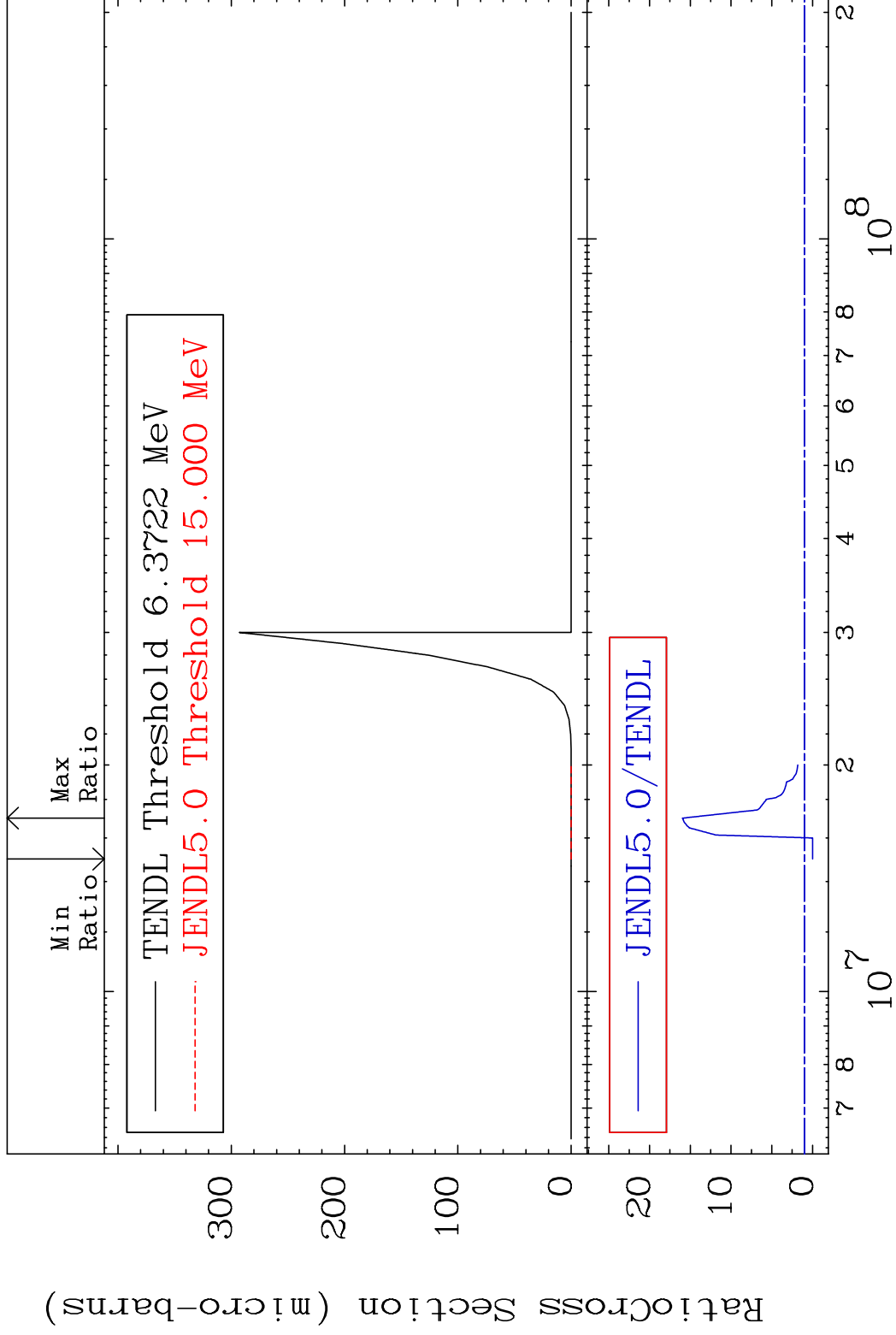


MAT 7240

(n, He-3)

72-Hf-179

Cross Section -100.0 To 1498. %



42

Incident Energy (eV)

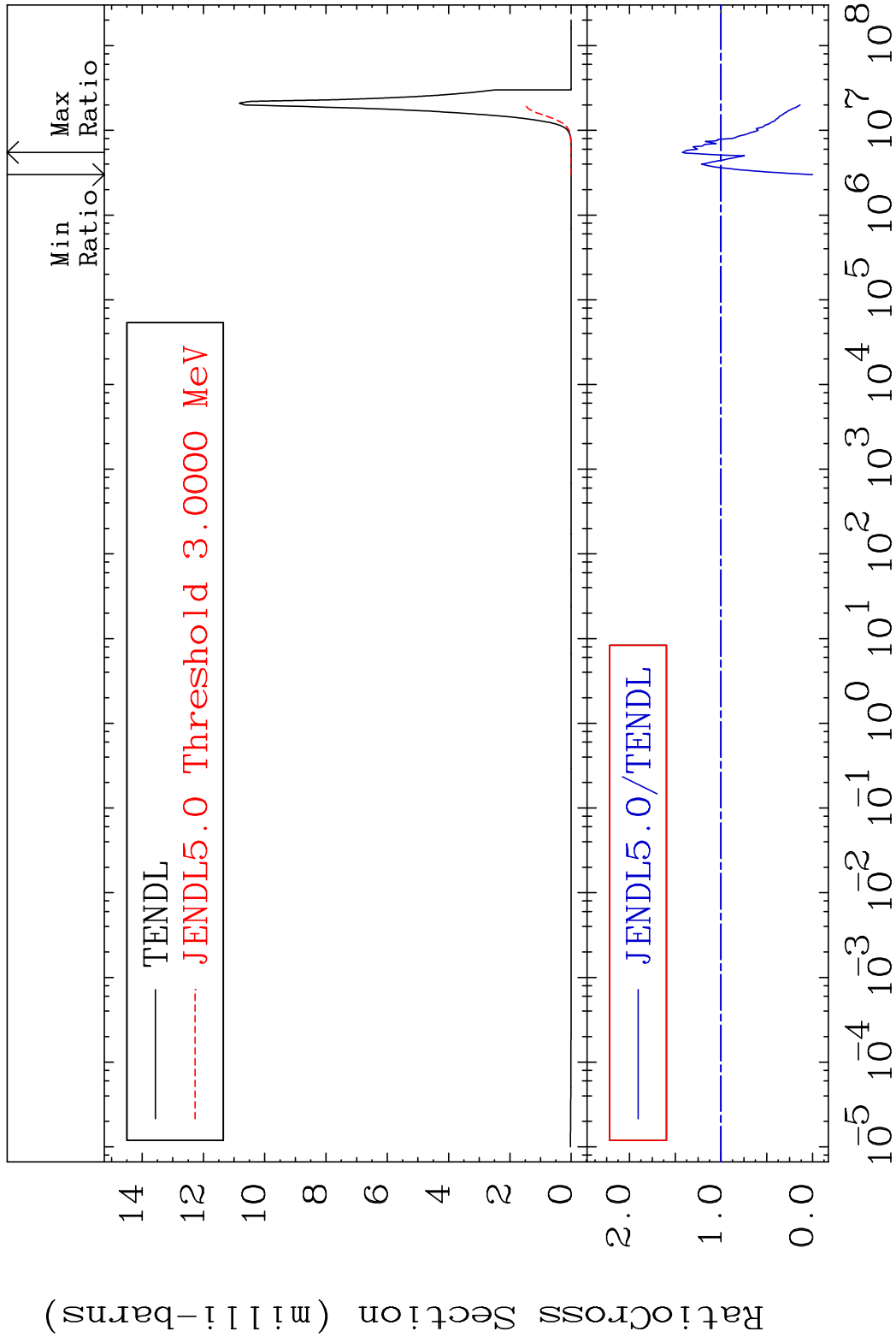
72-Hf-179

MAT 7240

(n, α)

72-Hf-179

Cross Section -100.0 To 42.23 %



43

Incident Energy (eV)

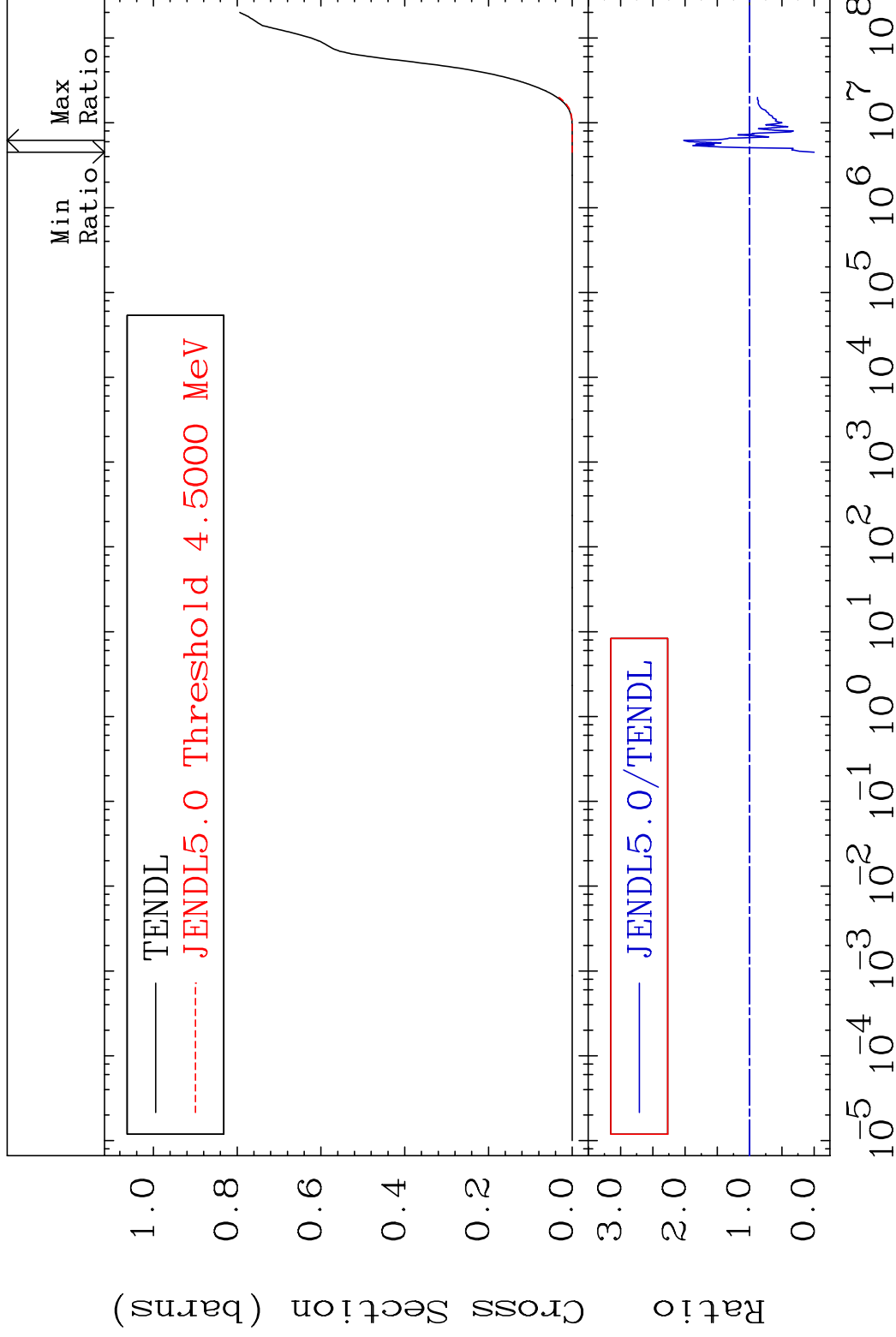
72-Hf-179

MAT 7240

Hydrogen Production

72-Hf-179

Cross Section -100.0 To 102.2 %



44

Incident Energy (eV)

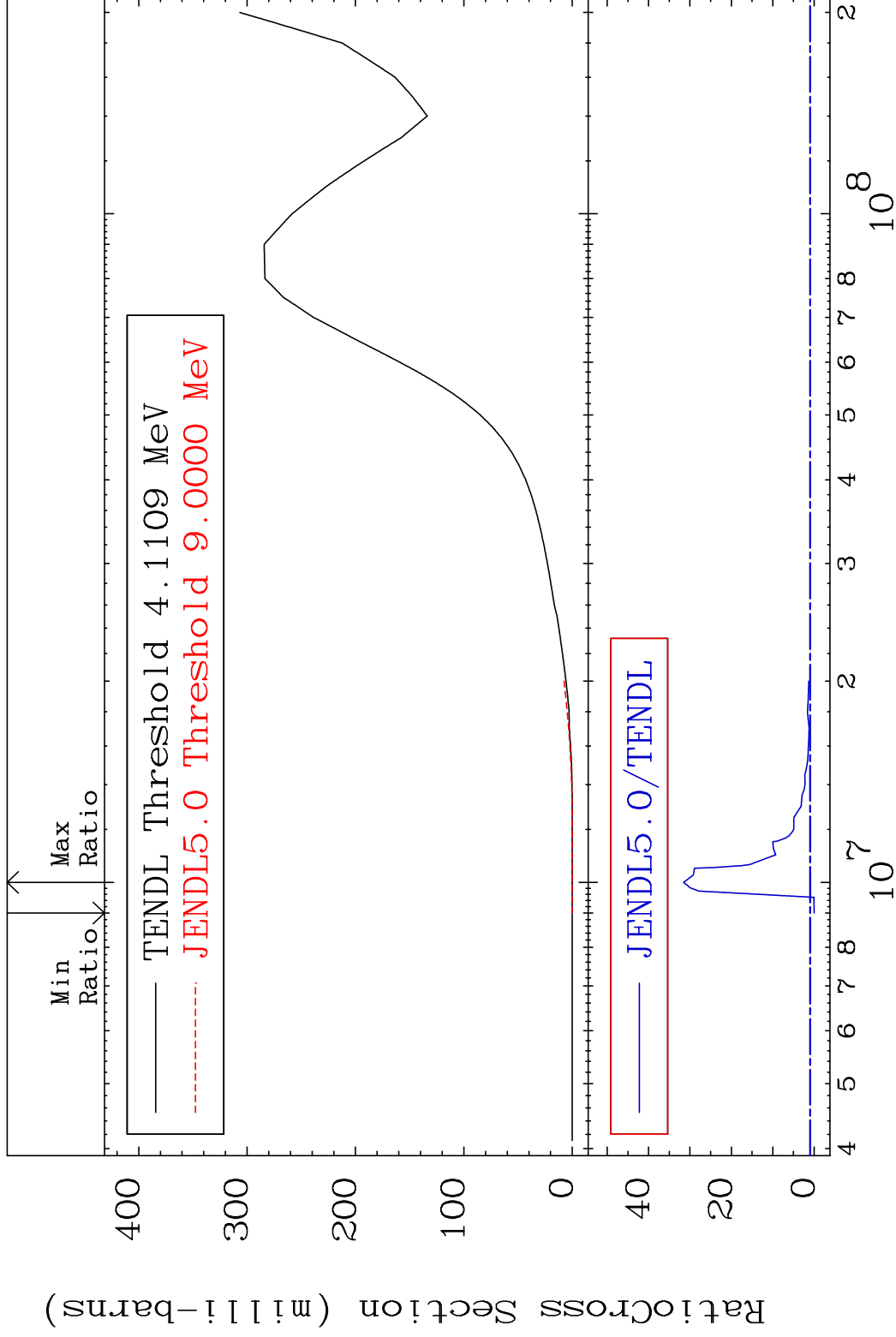
72-Hf-179

MAT 7240

Deuterium Production

72-Hf-179

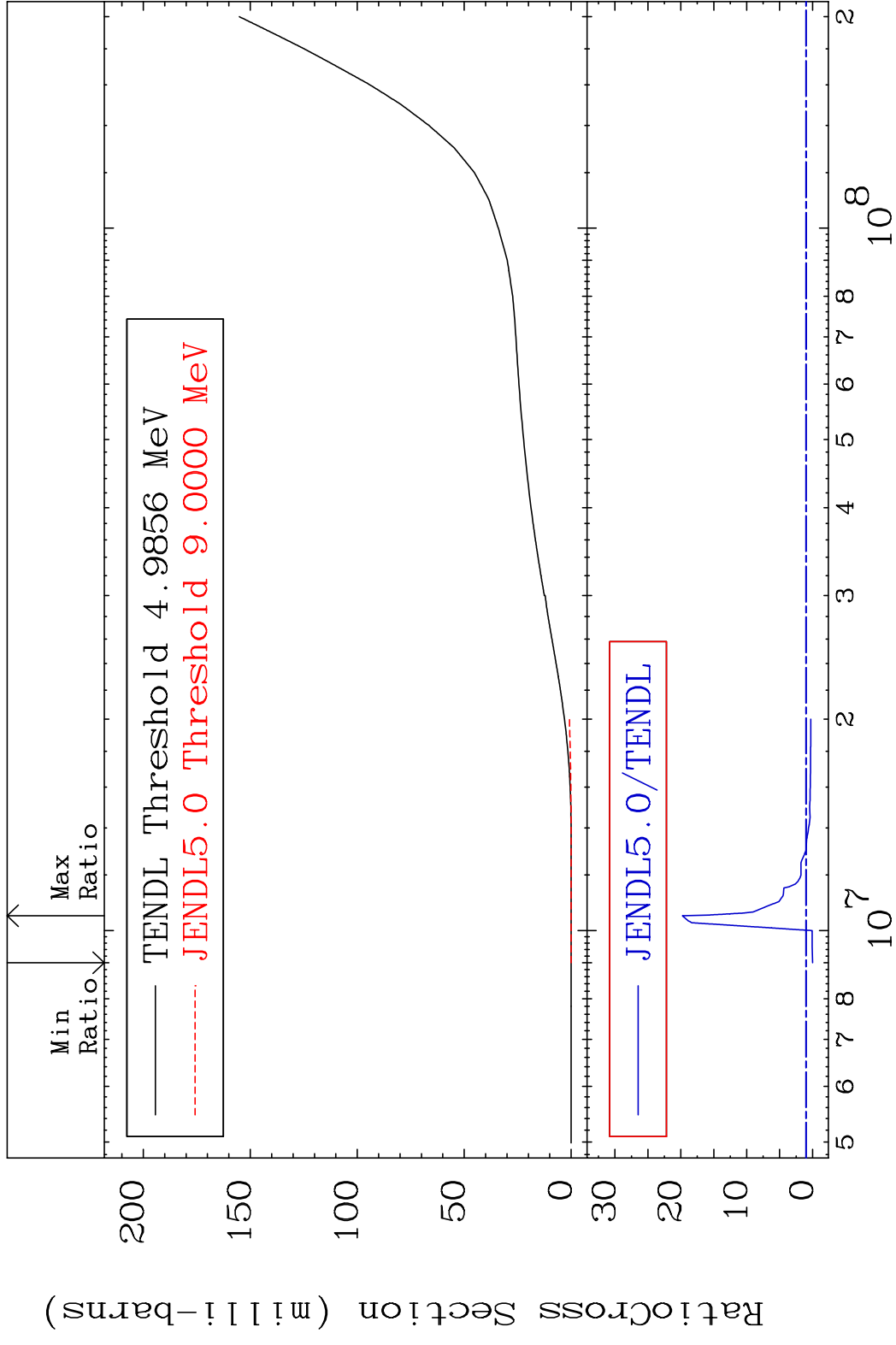
Cross Section -100.0 To 3052. %



45

Incident Energy (eV)

72-Hf-179

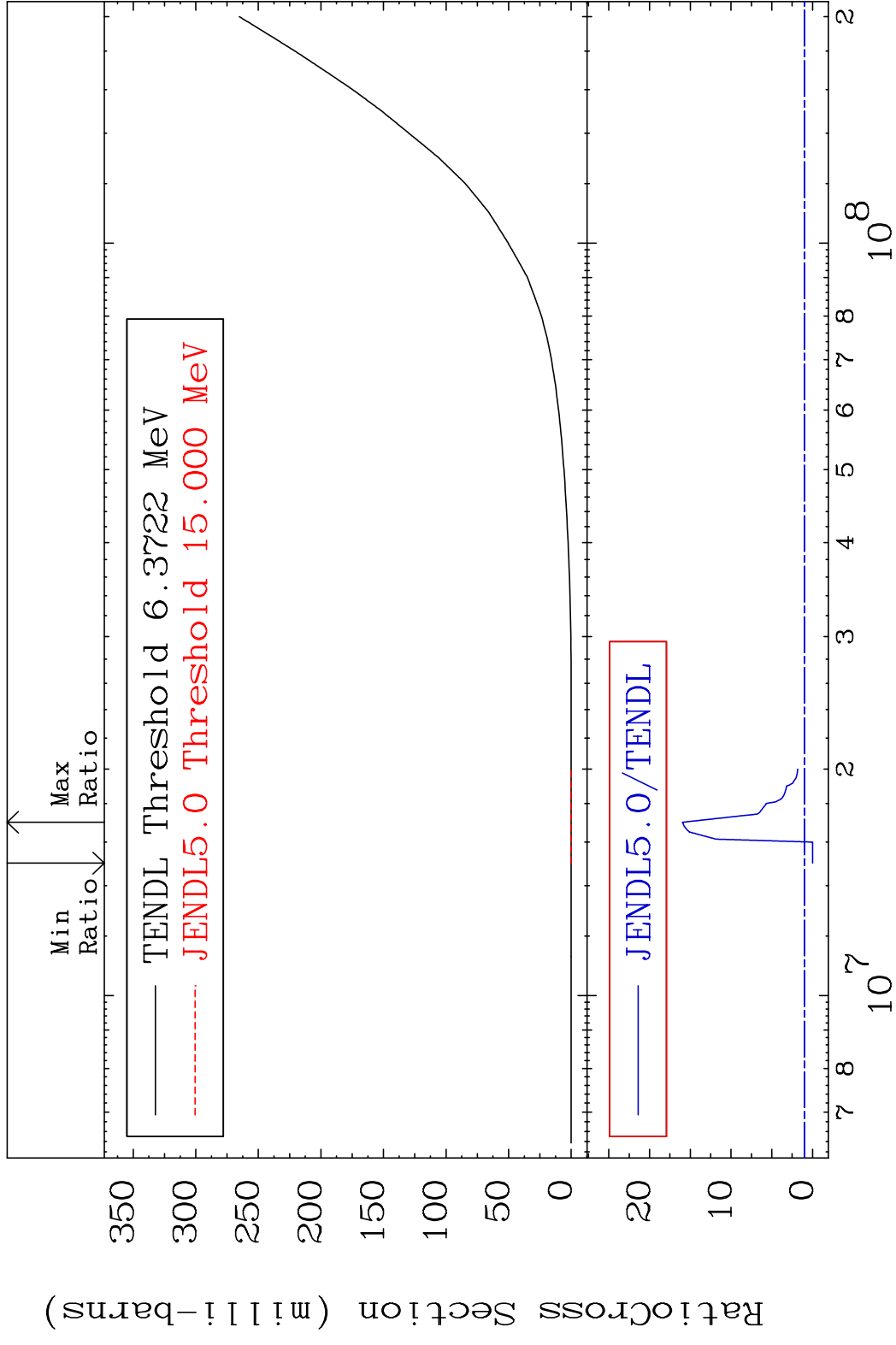


MAT 7240

He-3 Production

72-Hf-179

Cross Section -100.0 To 1498. %



47

Incident Energy (eV)

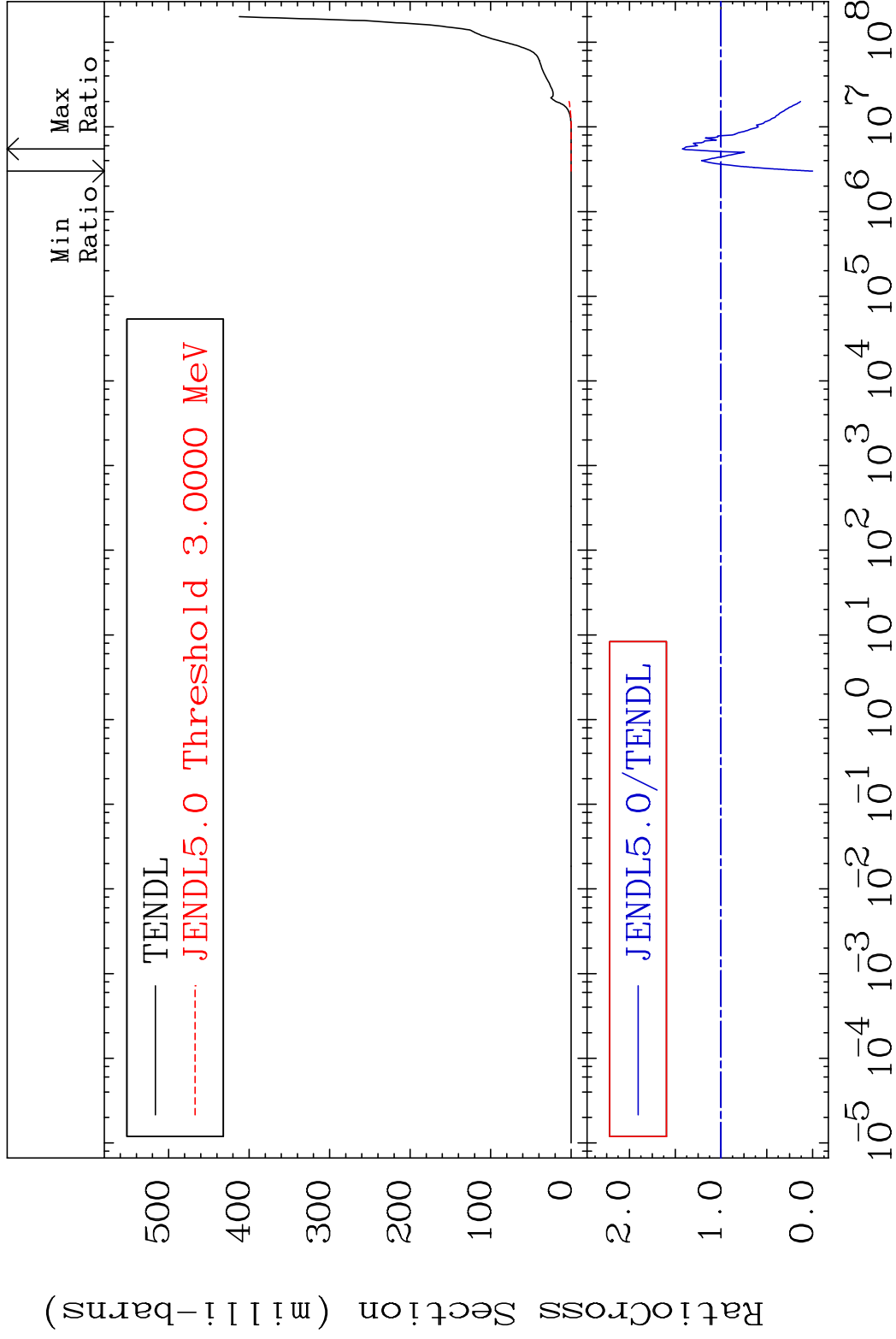
72-Hf-179

MAT 7240

He-4 Production

72-Hf-179

Cross Section -100.0 To 42.22 %



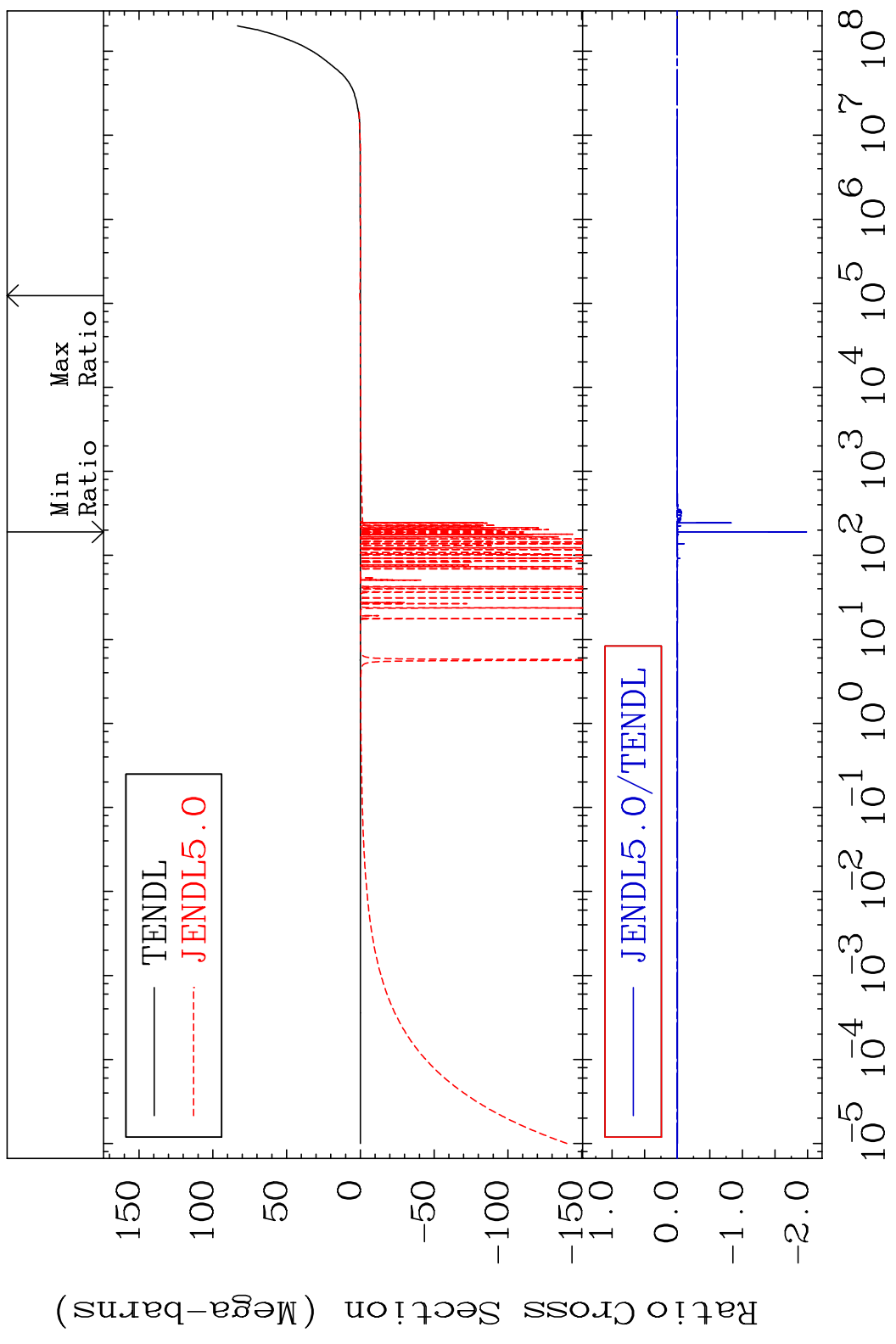
48

Incident Energy (eV)

72-Hf-179

MAT 7240

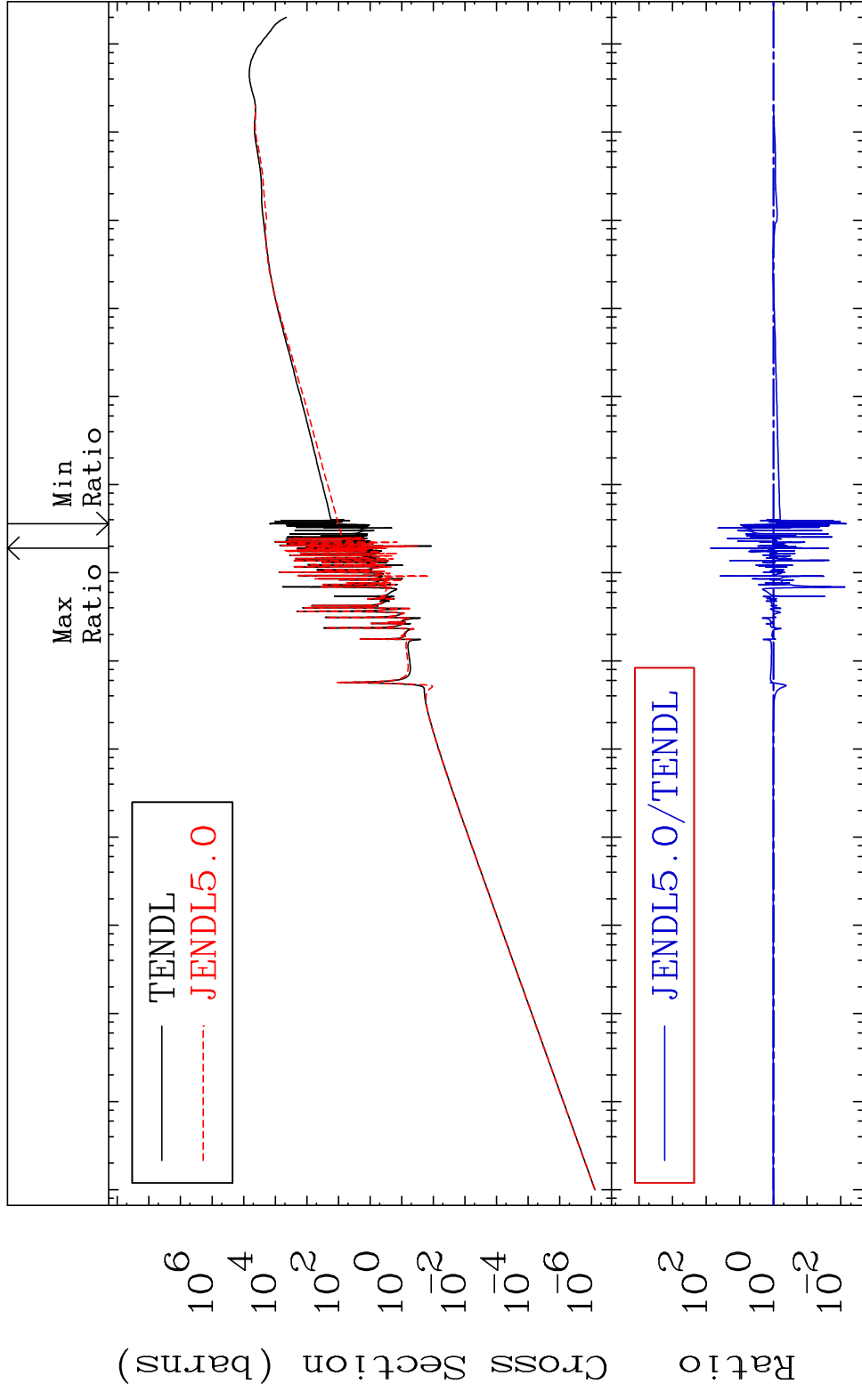
Kerma total (eV-barns) 72-Hf-179
Cross Section -9999. To 4925. %



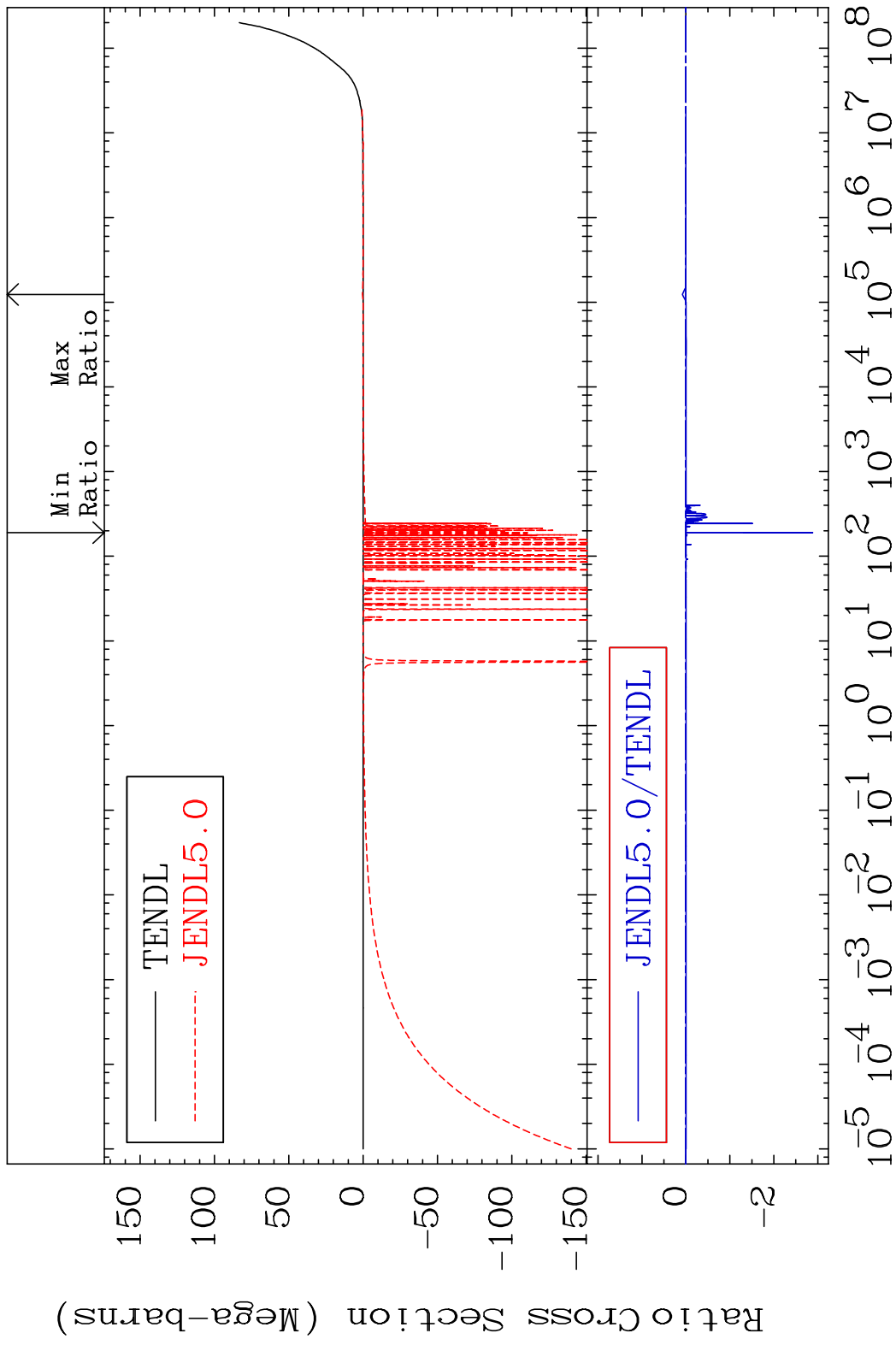
MAT 7240

Kerma elastic
Cross Section

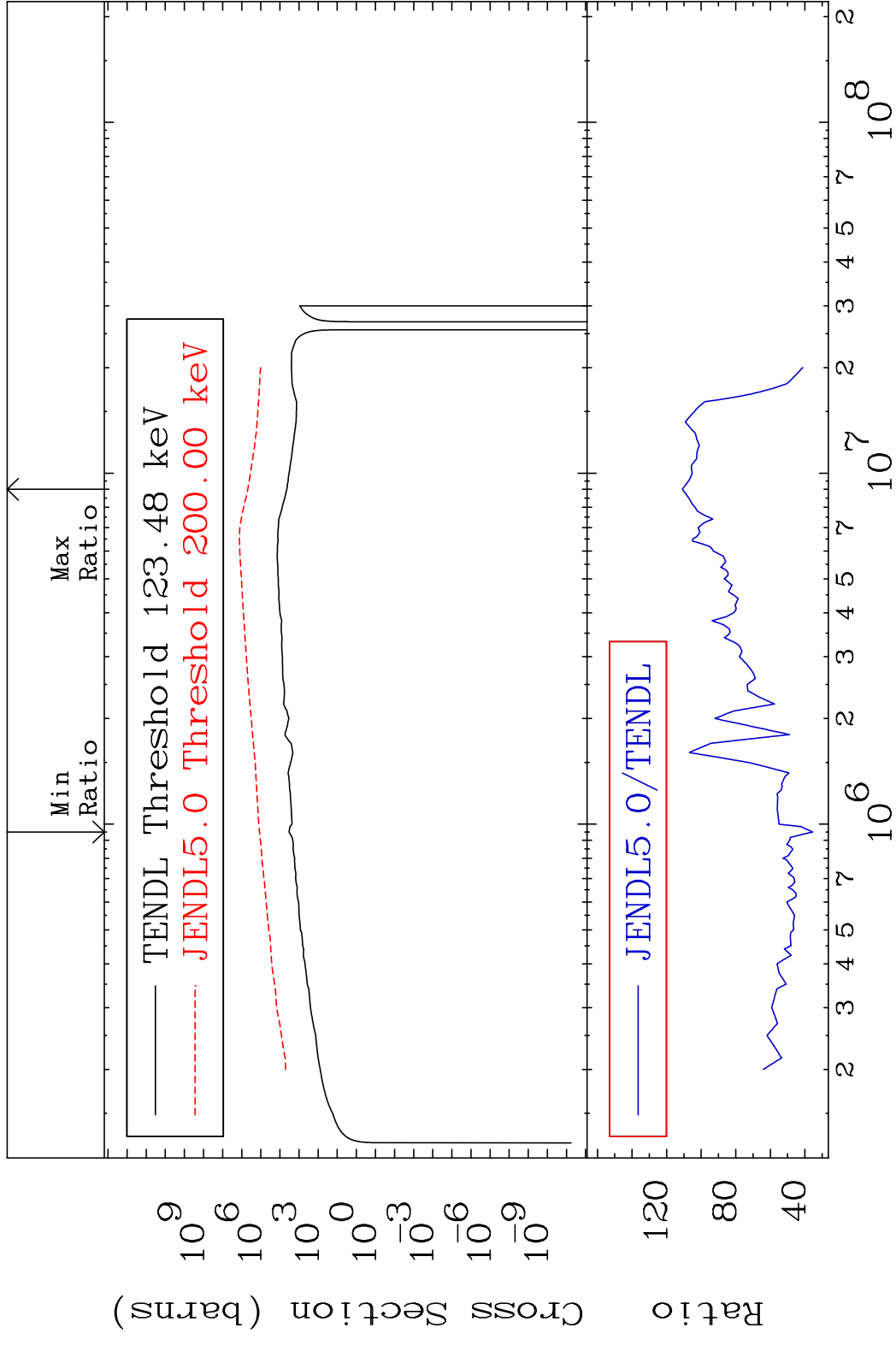
72-Hf-179
-99.32 To 7244. %



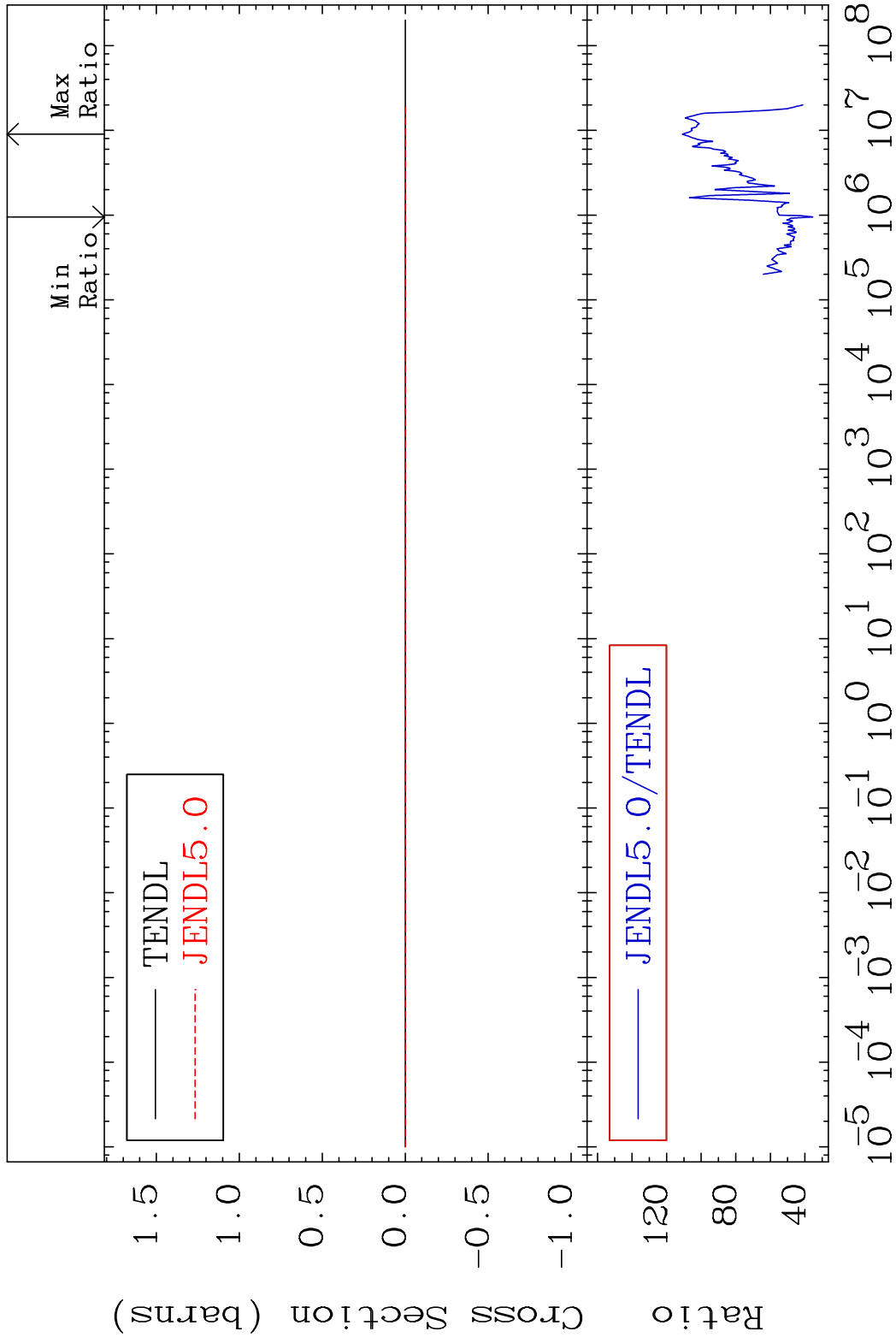
MAT 7240 Kerma non-elastic (all but mt2) 72-Hf-179
 Cross Section -9999. To 9999. %

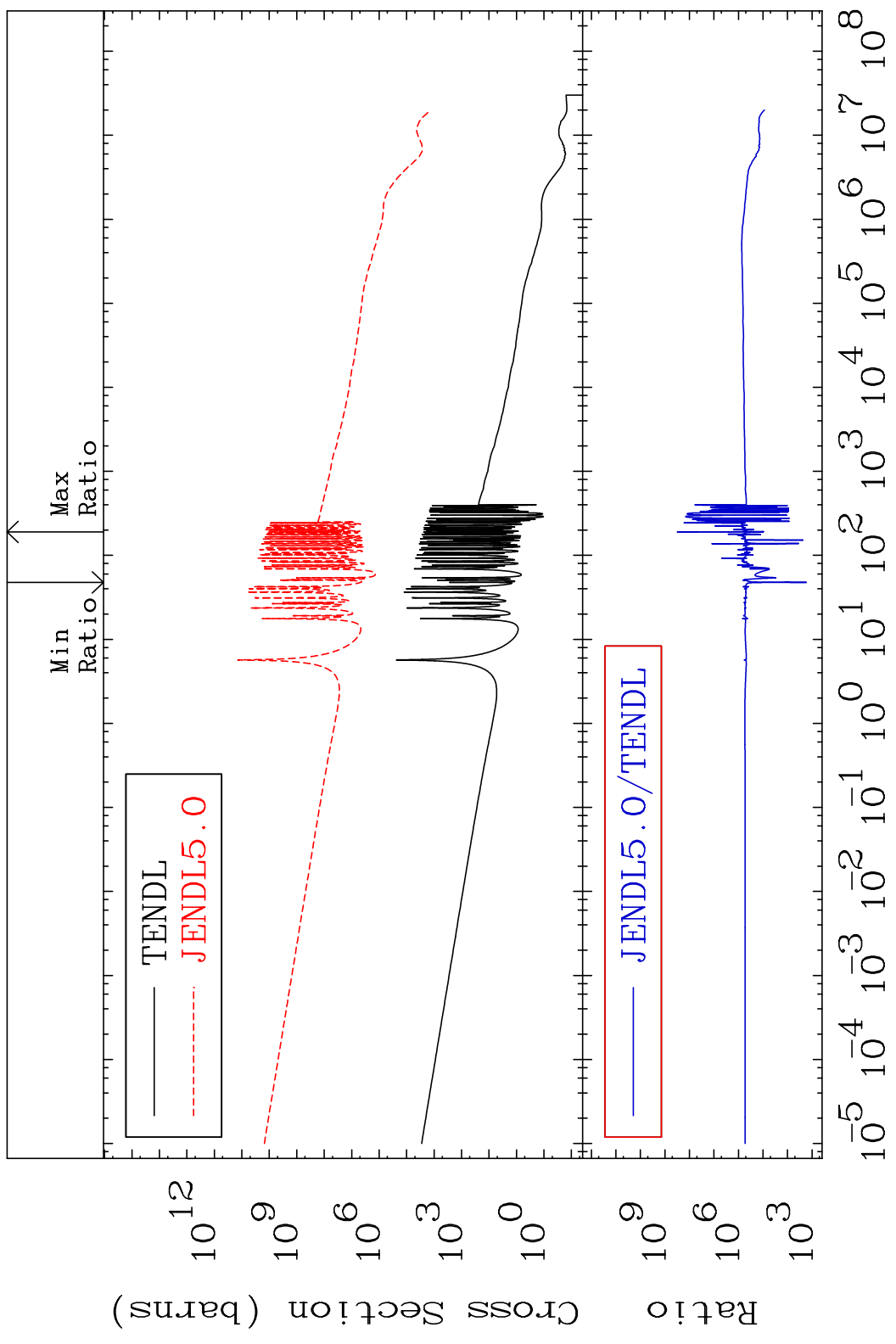


MAT 7240 Kerma inelastic (mt51-91) 72-Hf-179
 Cross Section 3458. To 9999. %



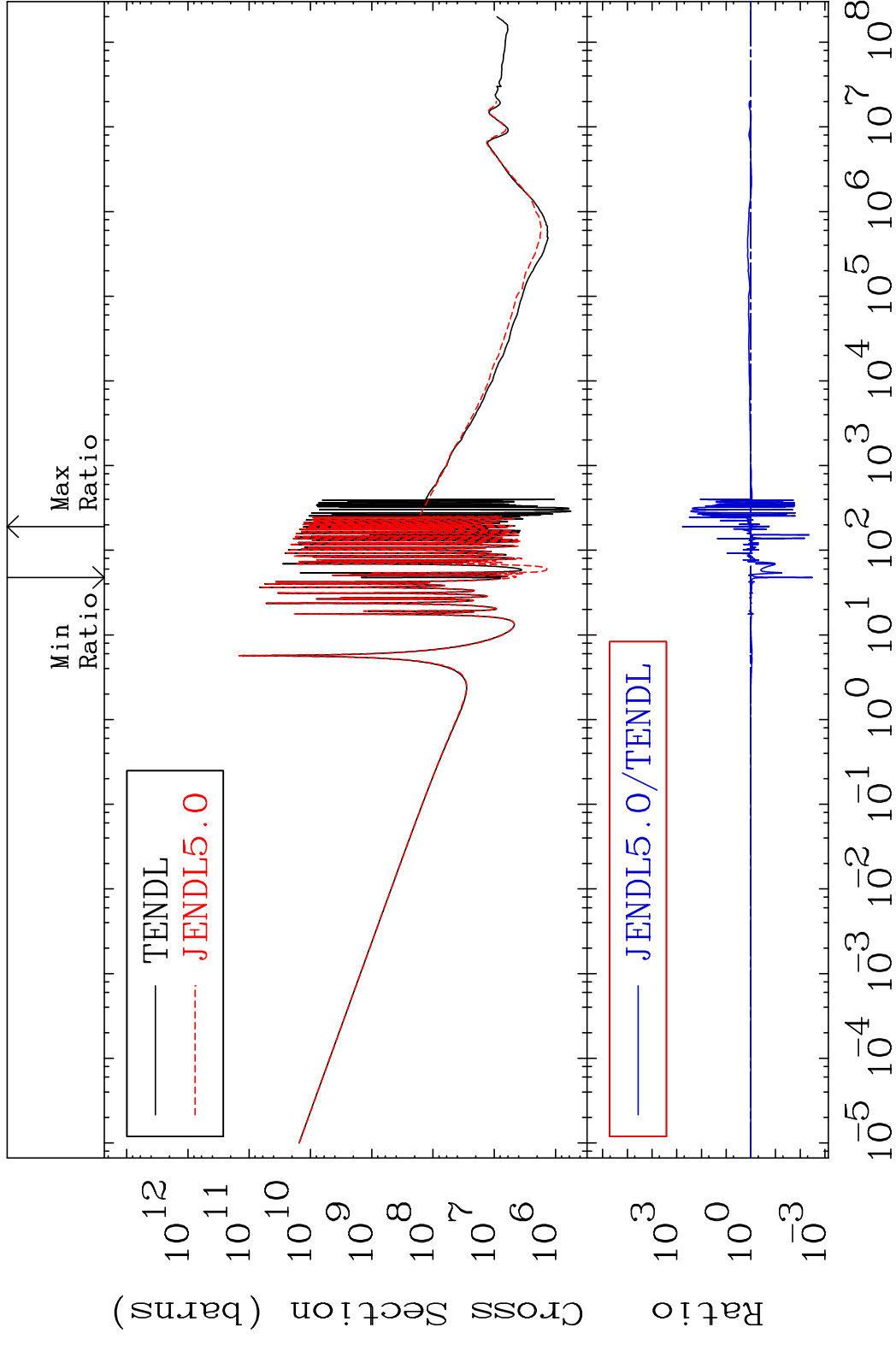
MAT 7240 Kerma fission (mt18 or mt19-20-21-38)72-Hf-179
 Cross Section 3458. To 9999. %



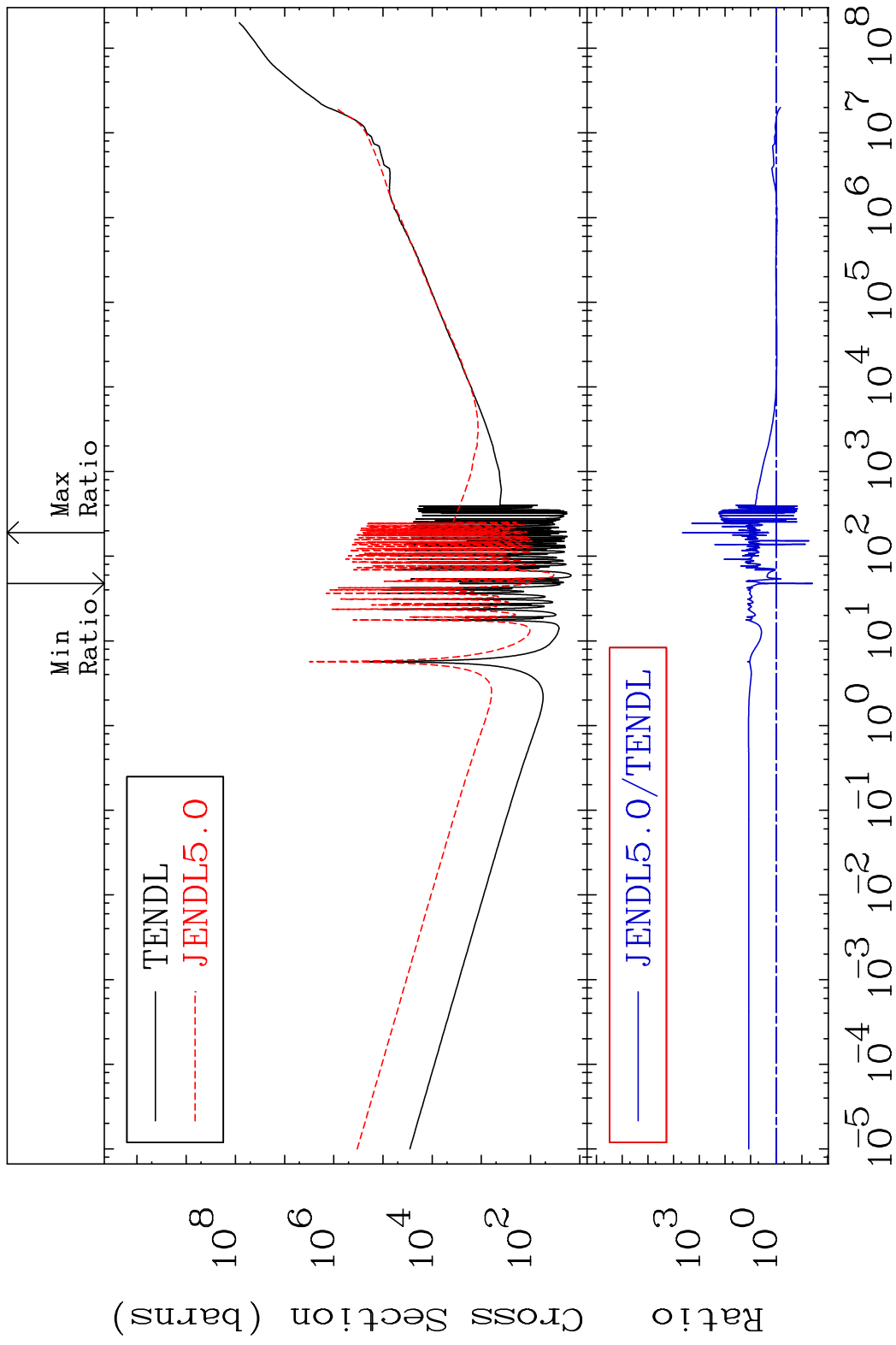


MAT 7240

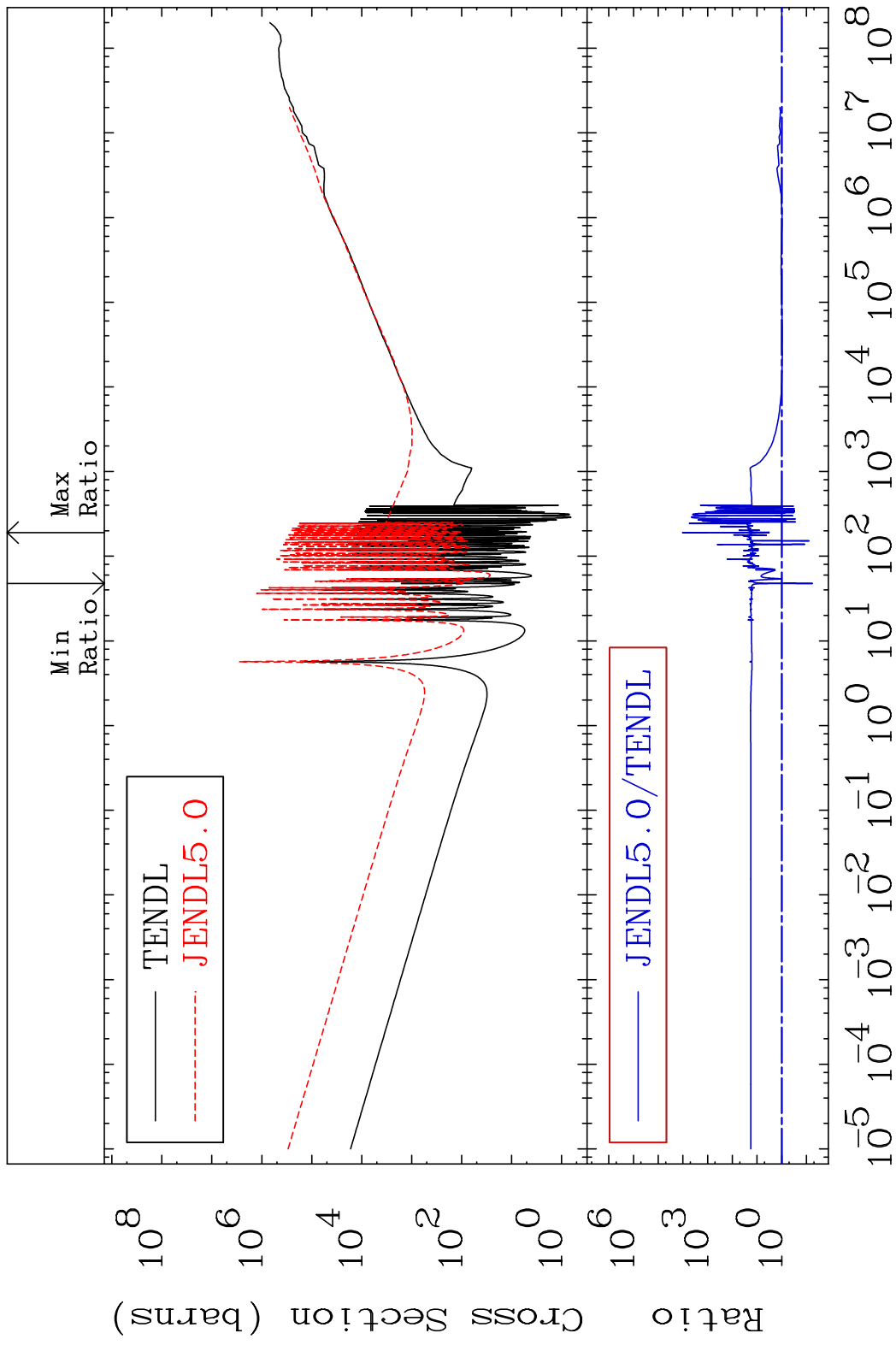
Total photon (eV-barns) 72-Hf-179
Cross Section -99.68 To 9999. %



MAT 7240 Total kinematic kerma (high limit) 72-Hf-179
 Cross Section -96.12 To 9999. %



MAT 7240 Dpa total (eV-barns) 72-Hf-179
 Cross Section -94.35 To 9999. %

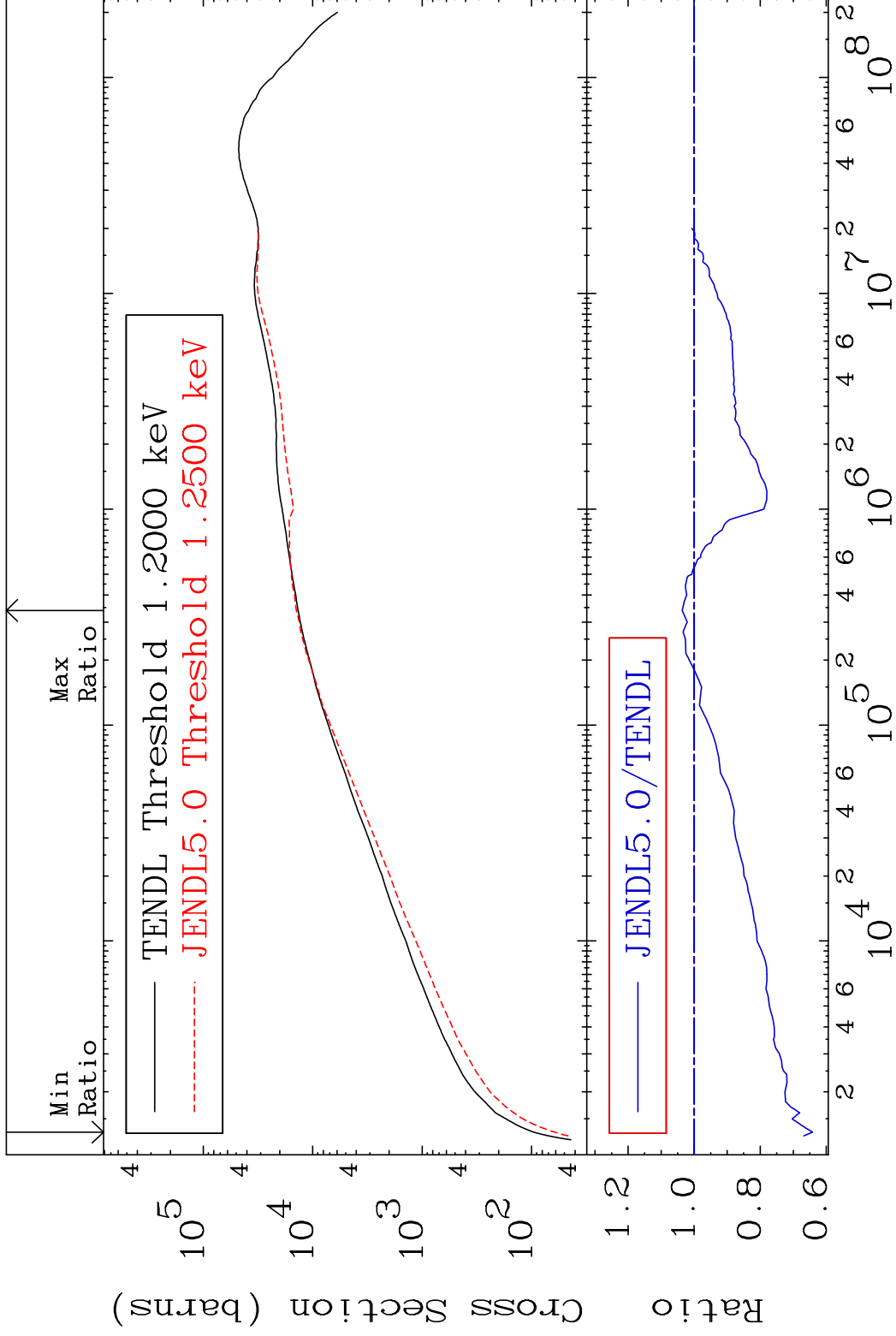


MAT 7240

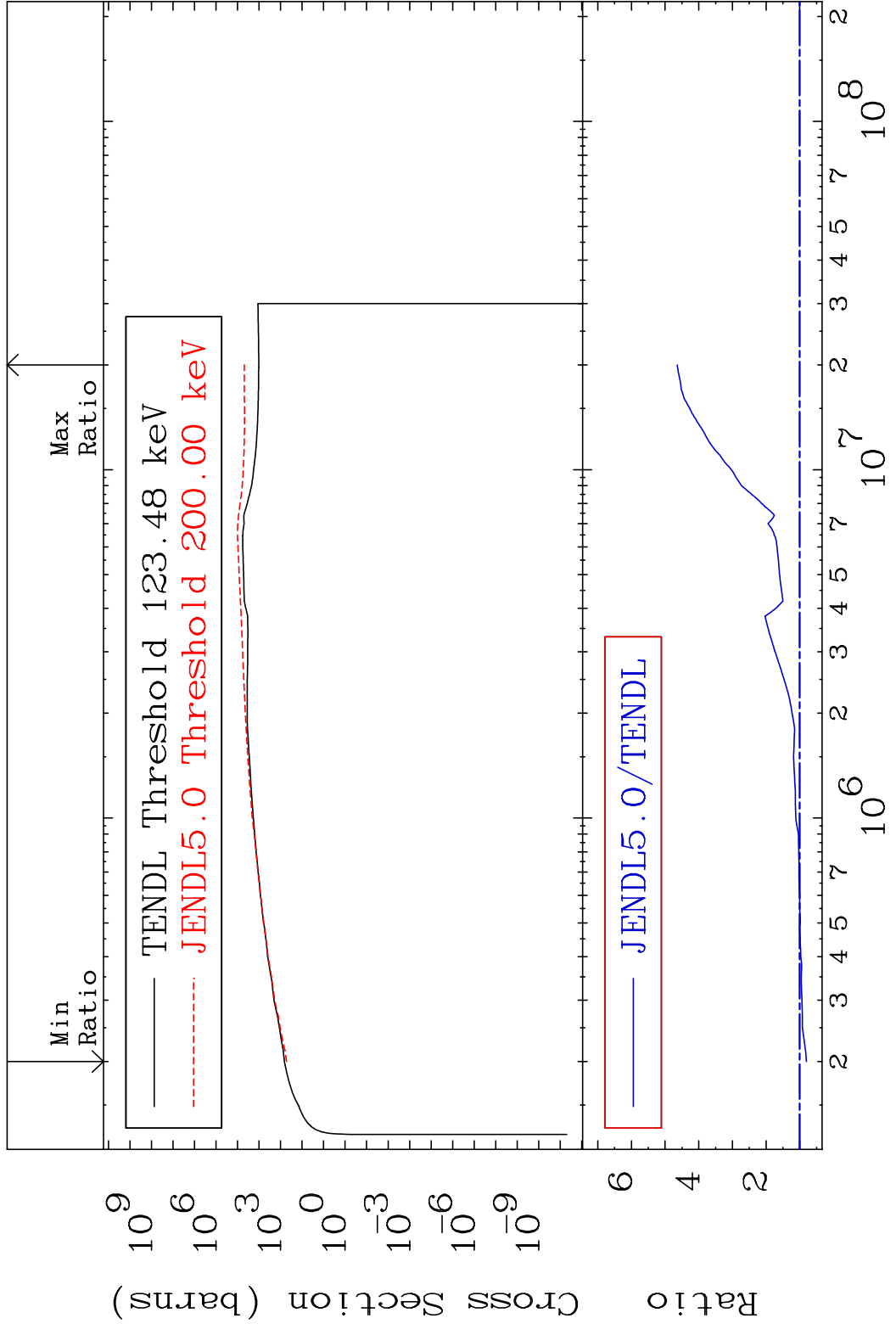
Dpa elastic (mt2)

72-Hf-179

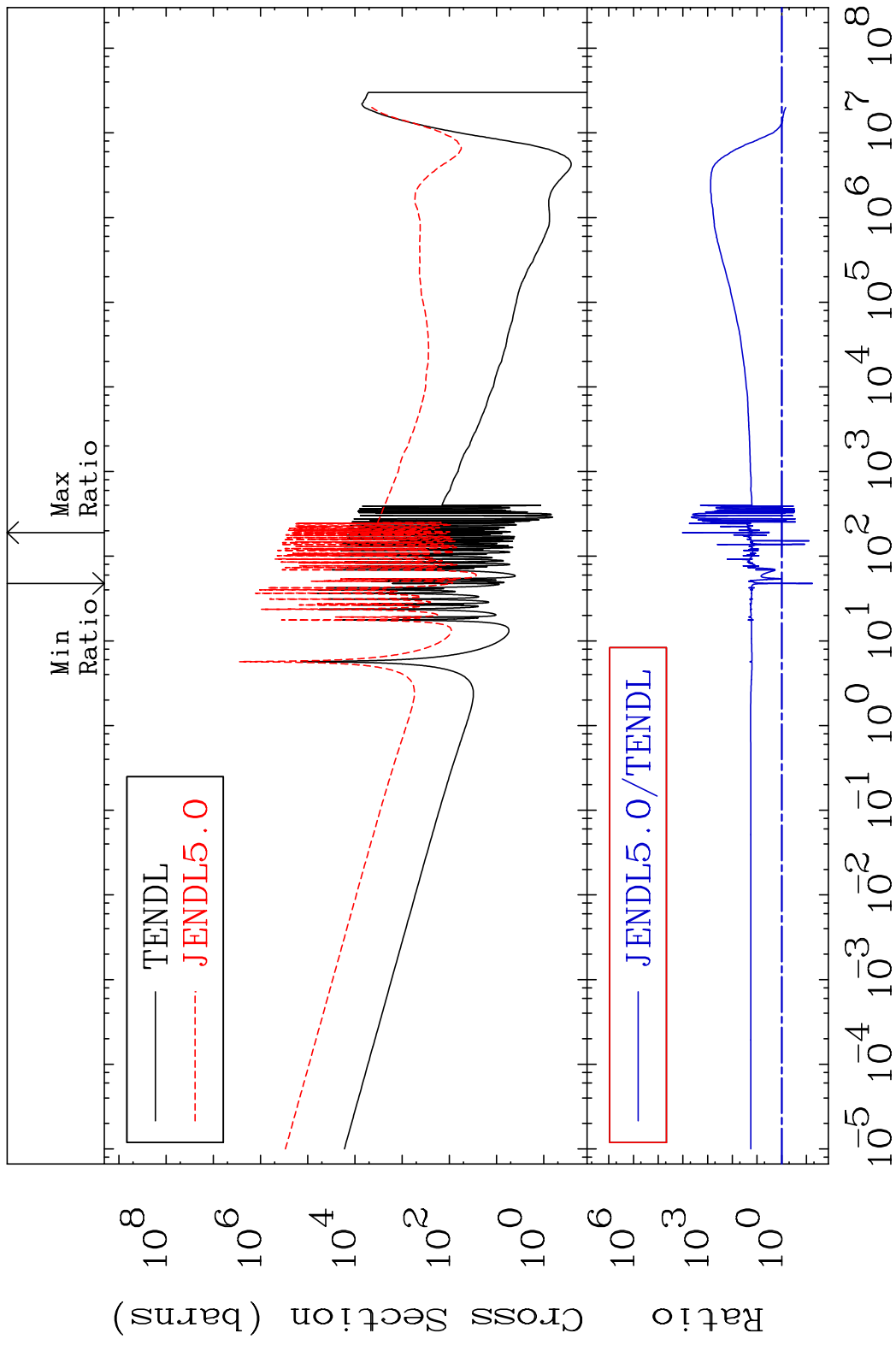
Cross Section -35.82 To 3.632 %



MAT 7240 Dpa inelastic (mt51-91) 72-Hf-179
 Cross Section -19.82 To 364.1 %

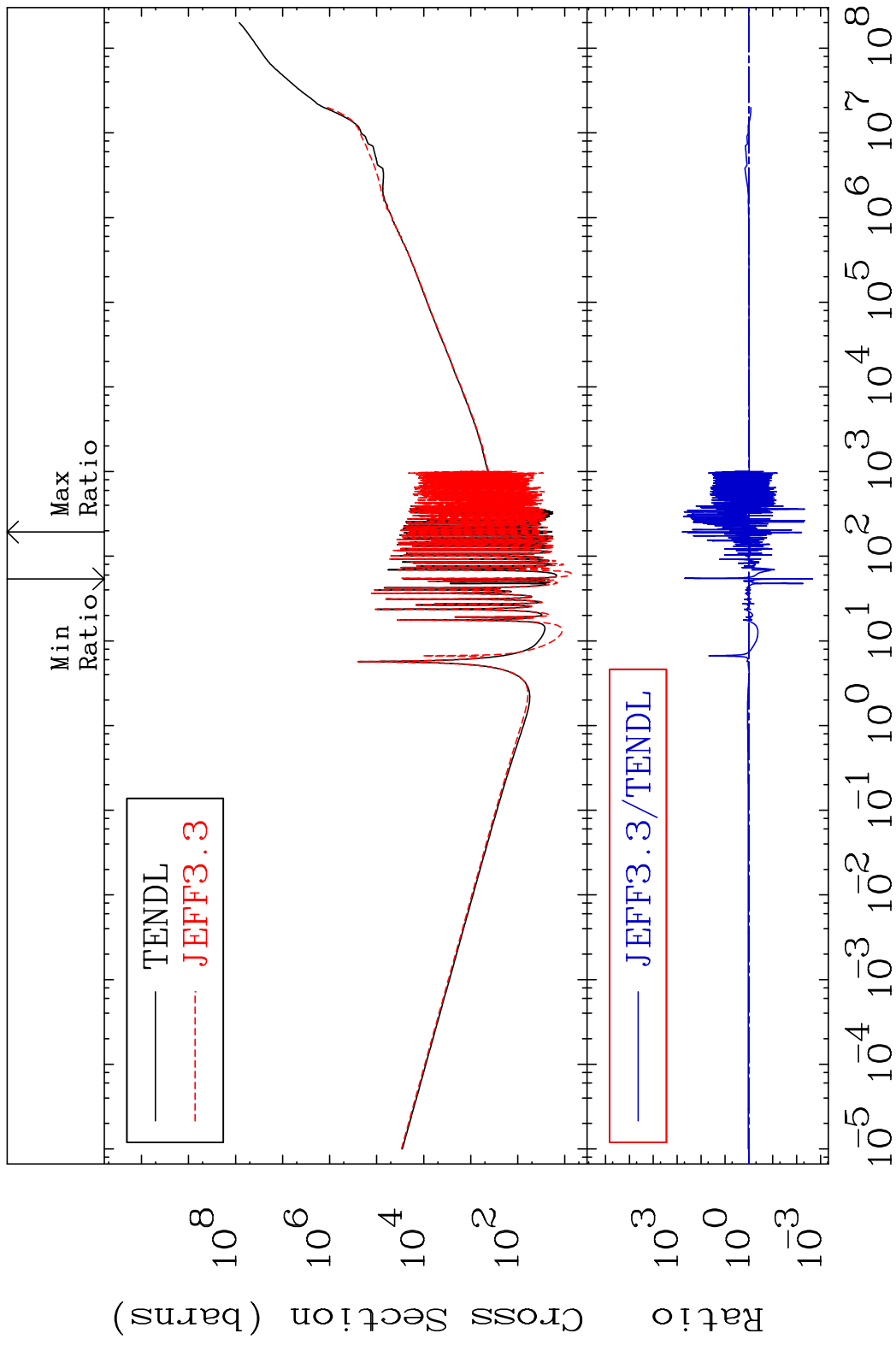


MAT 7240 Dpa disappearance (mt102 -120) 72-Hf-179
 Cross Section -94.35 To 9999. %



60 Incident Energy (eV) 72-Hf-179

MAT 7240 Total kinematic kerma (high limit) 72-Hf-179
 Cross Section -99.78 To 9999. %

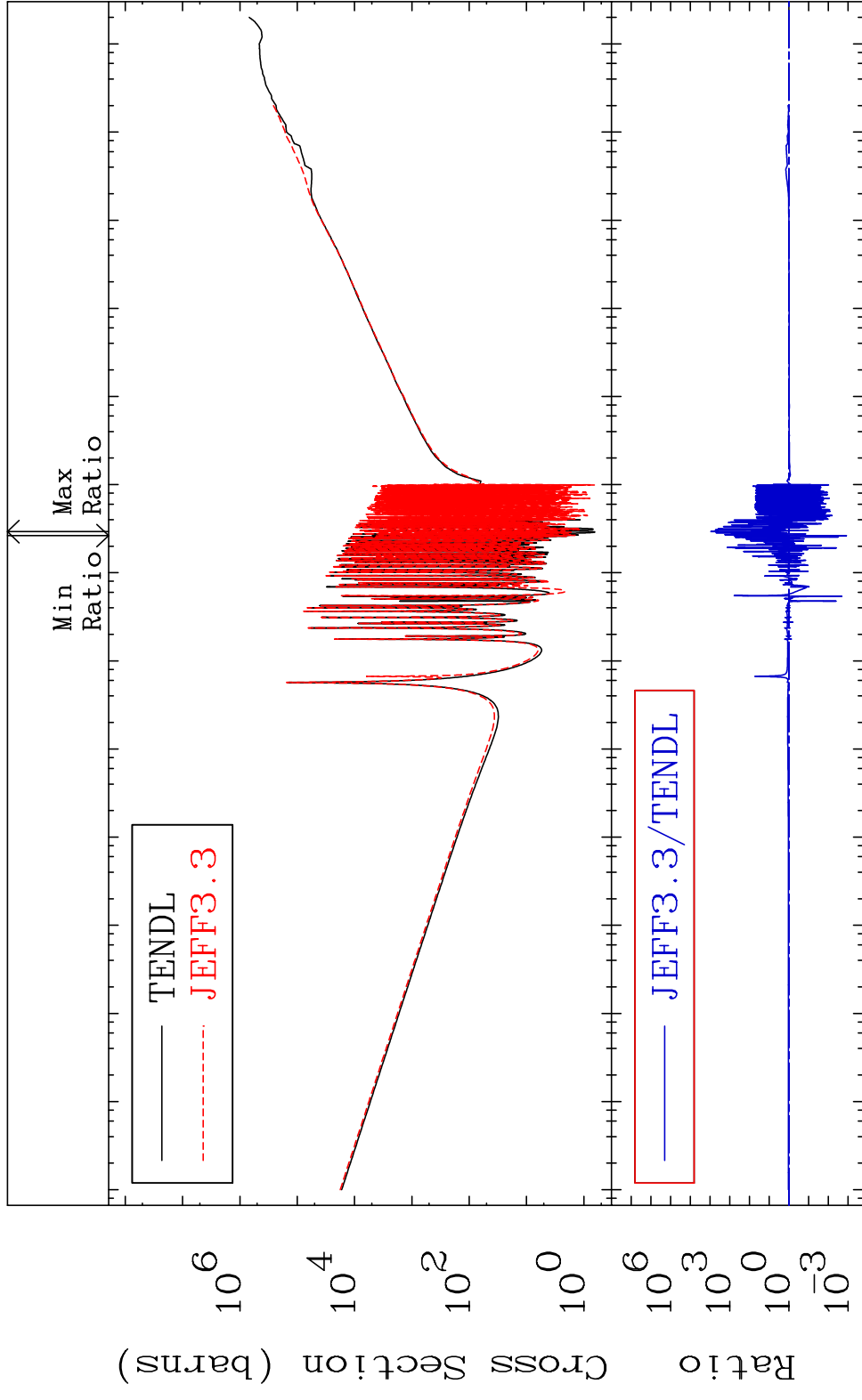


MAT 7240

Dpa total (eV-barns)

72-Hf-179

Cross Section -99.88 To 9999. %

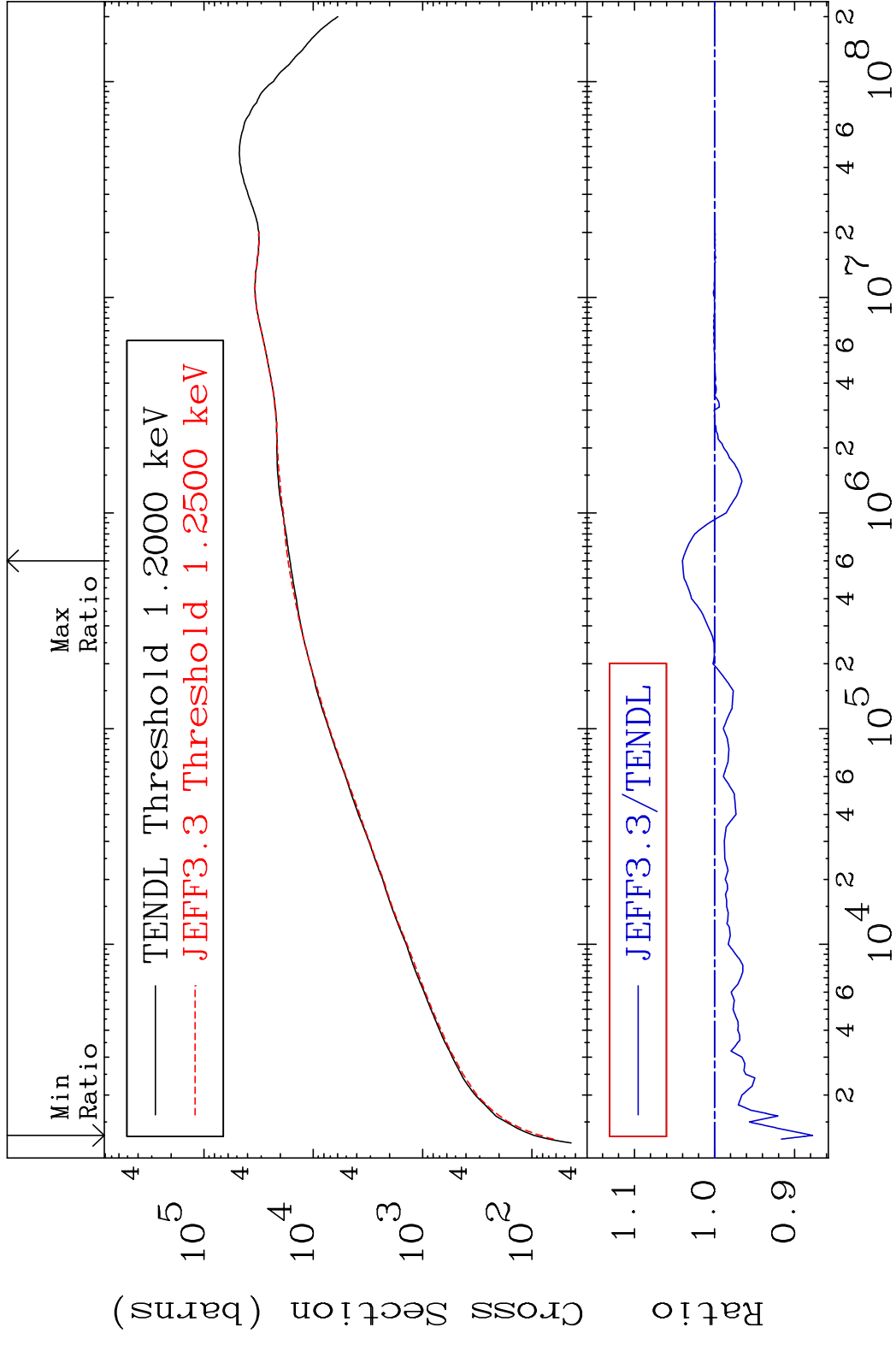


MAT 7240

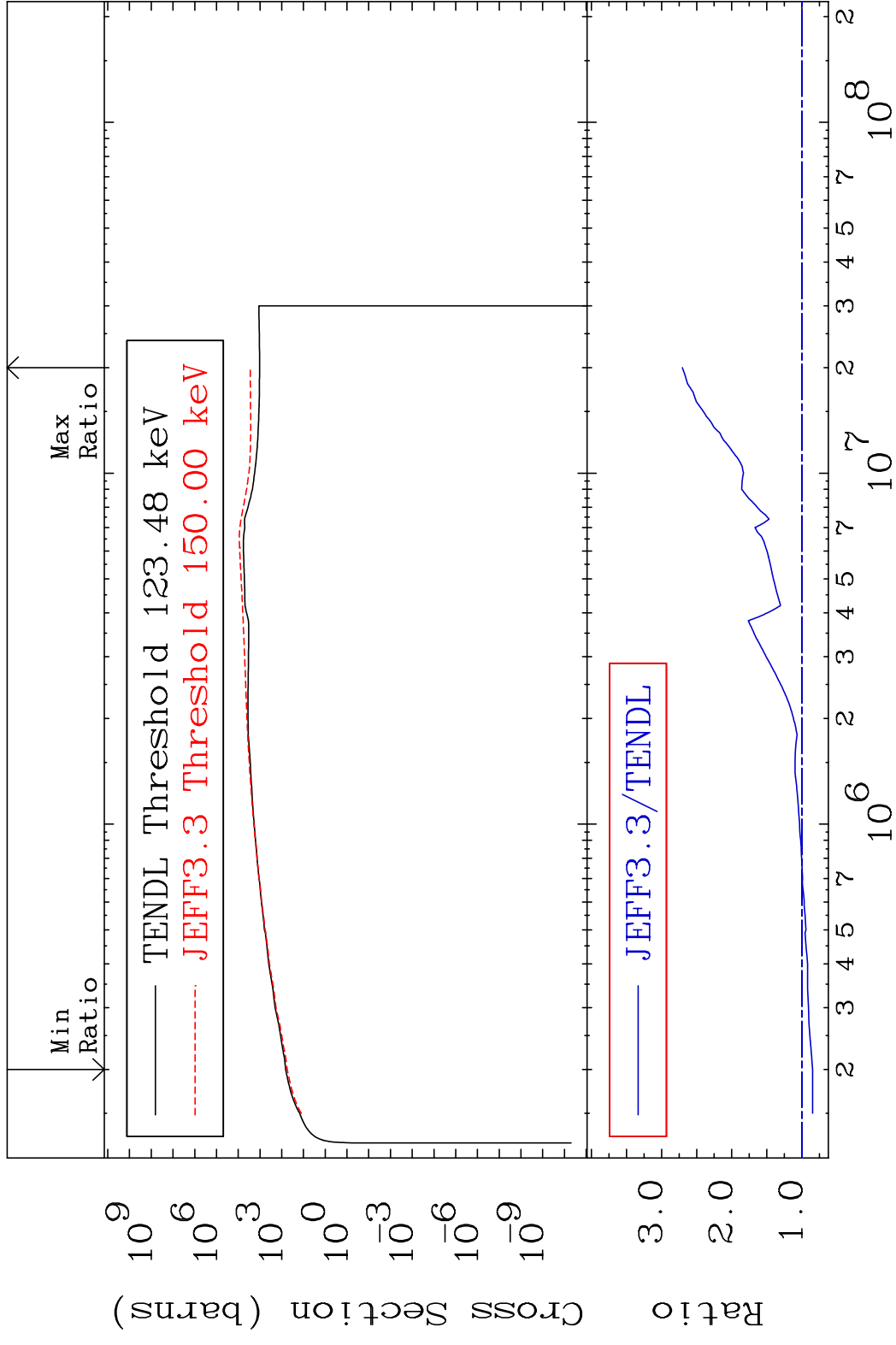
Dpa elastic (mt2)

72-Hf-179

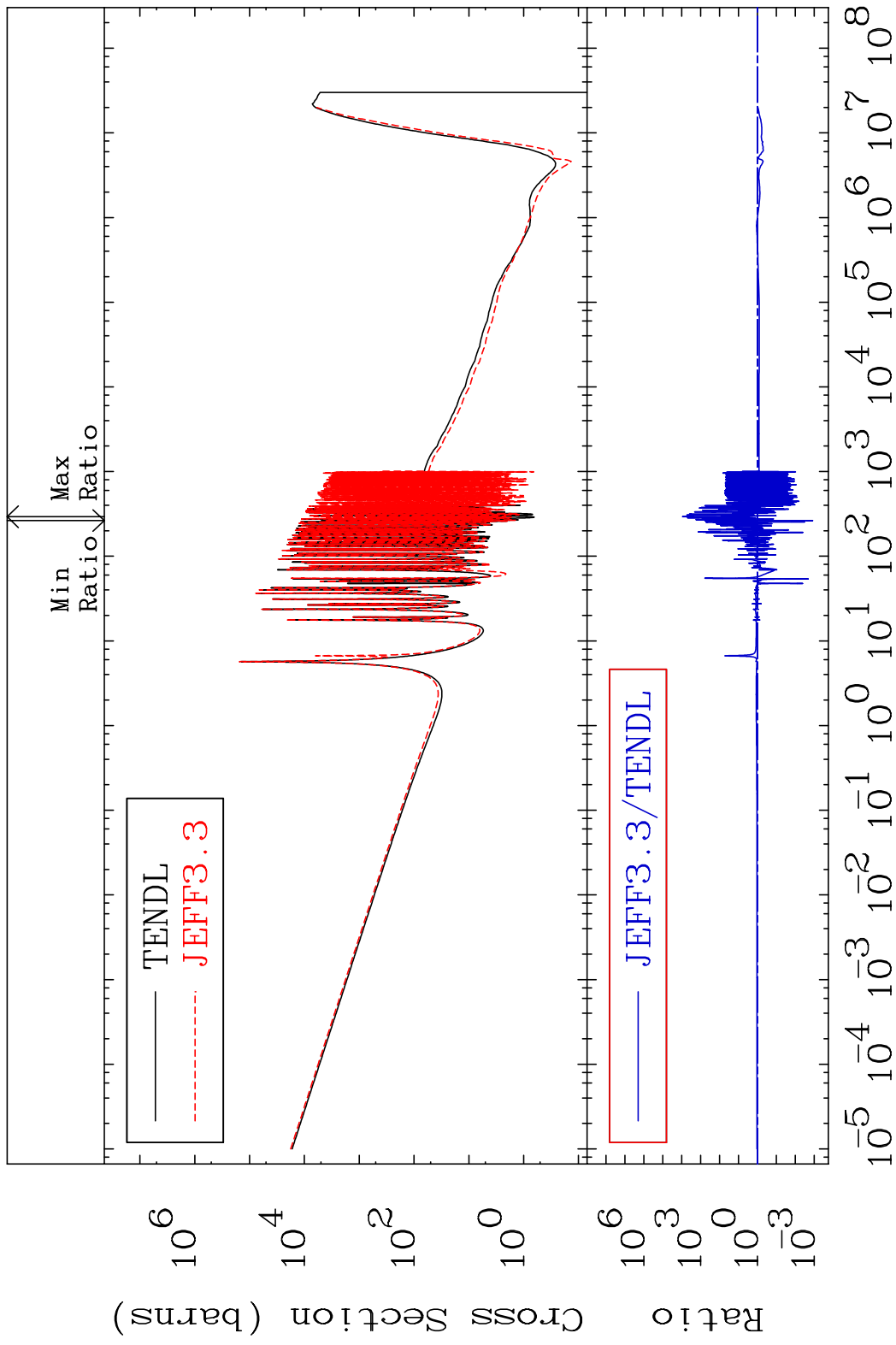
Cross Section -12.26 To 4.025 %



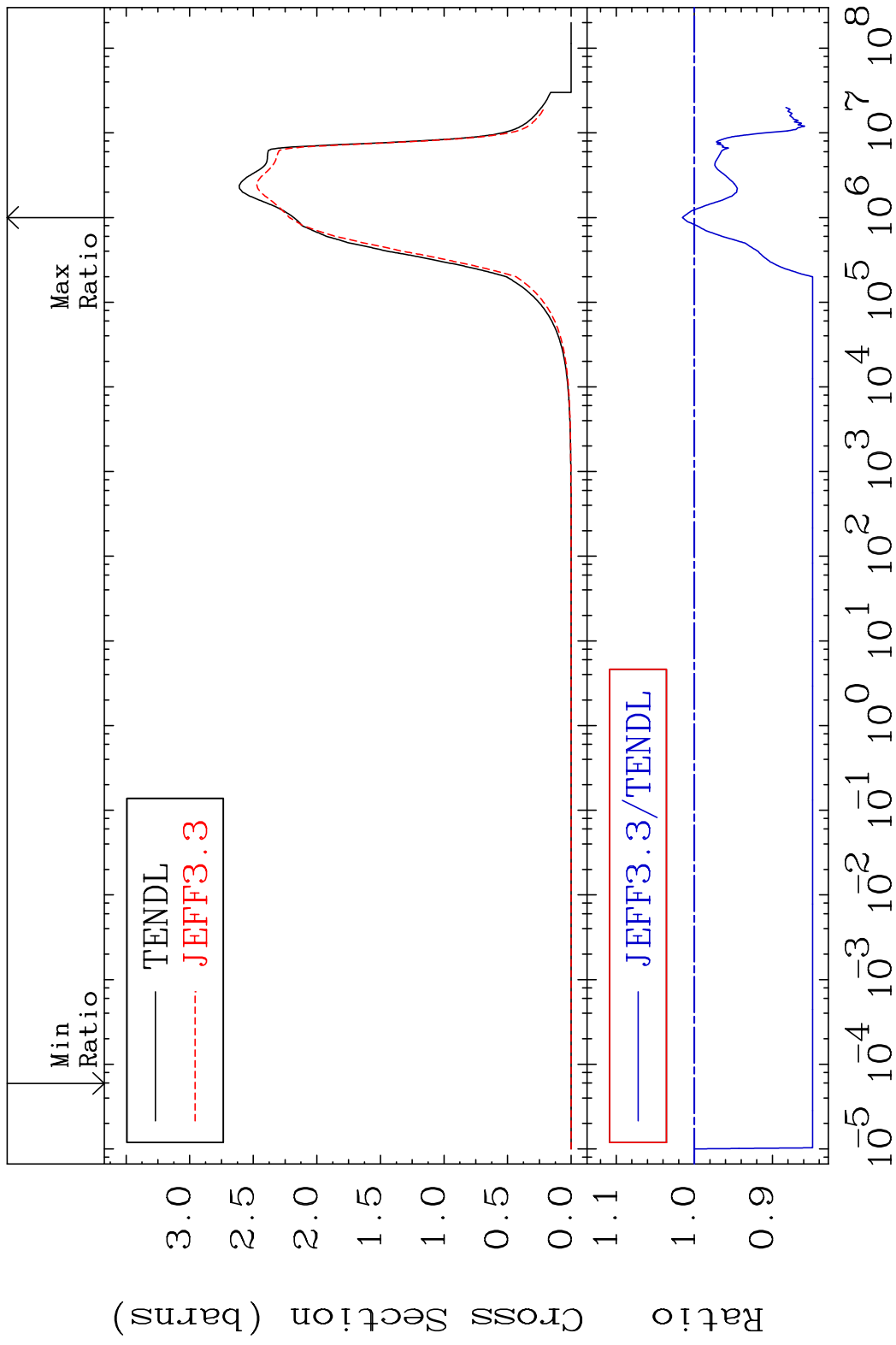
MAT 7240 Dpa inelastic (mt51-91) 72-Hf-179
 Cross Section -15.22 To 170.4 %

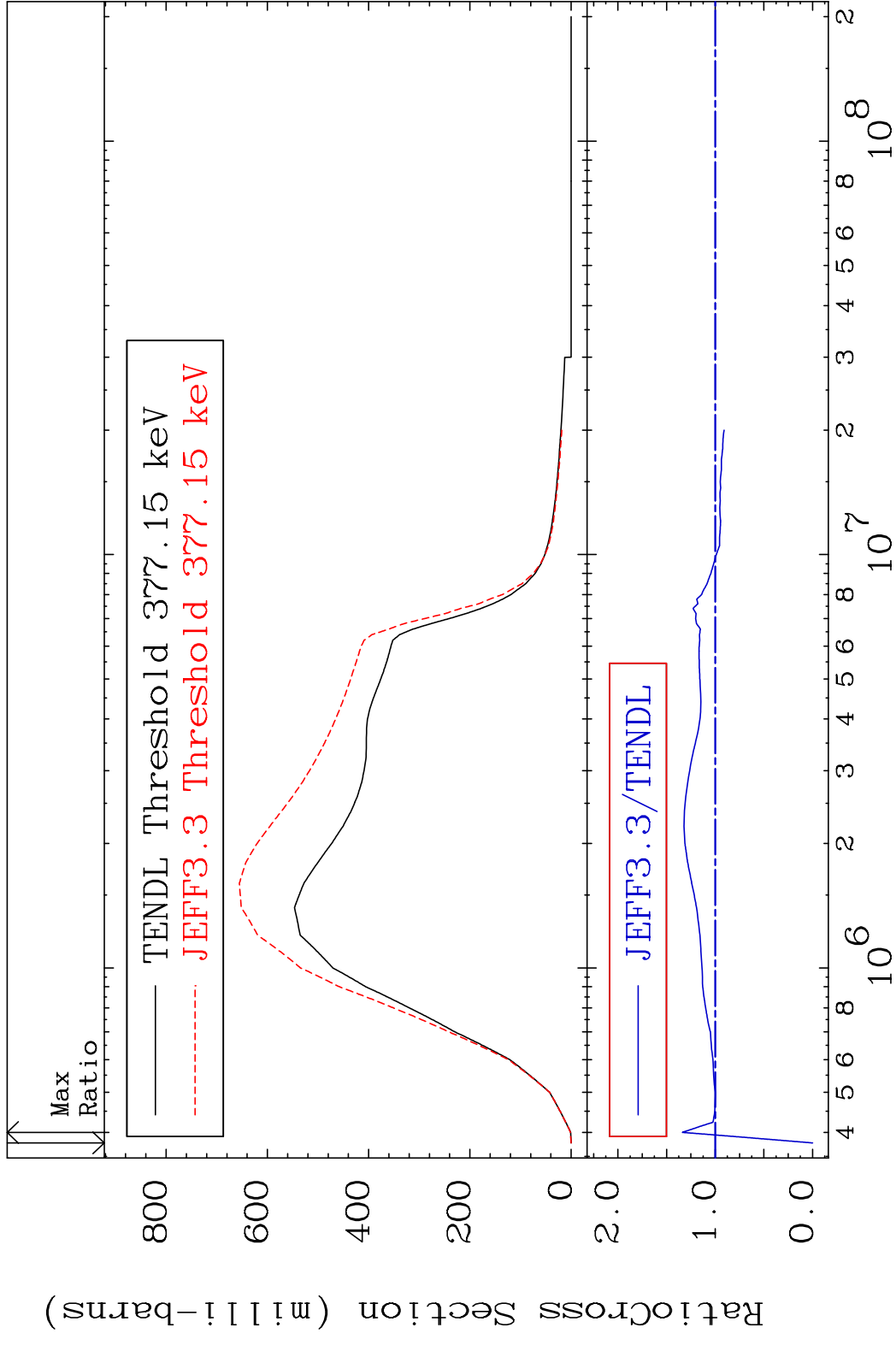


MAT 7240 Dpa disappearance (mt102 -120) 72-Hf-179
 Cross Section -99.88 To 9999. %

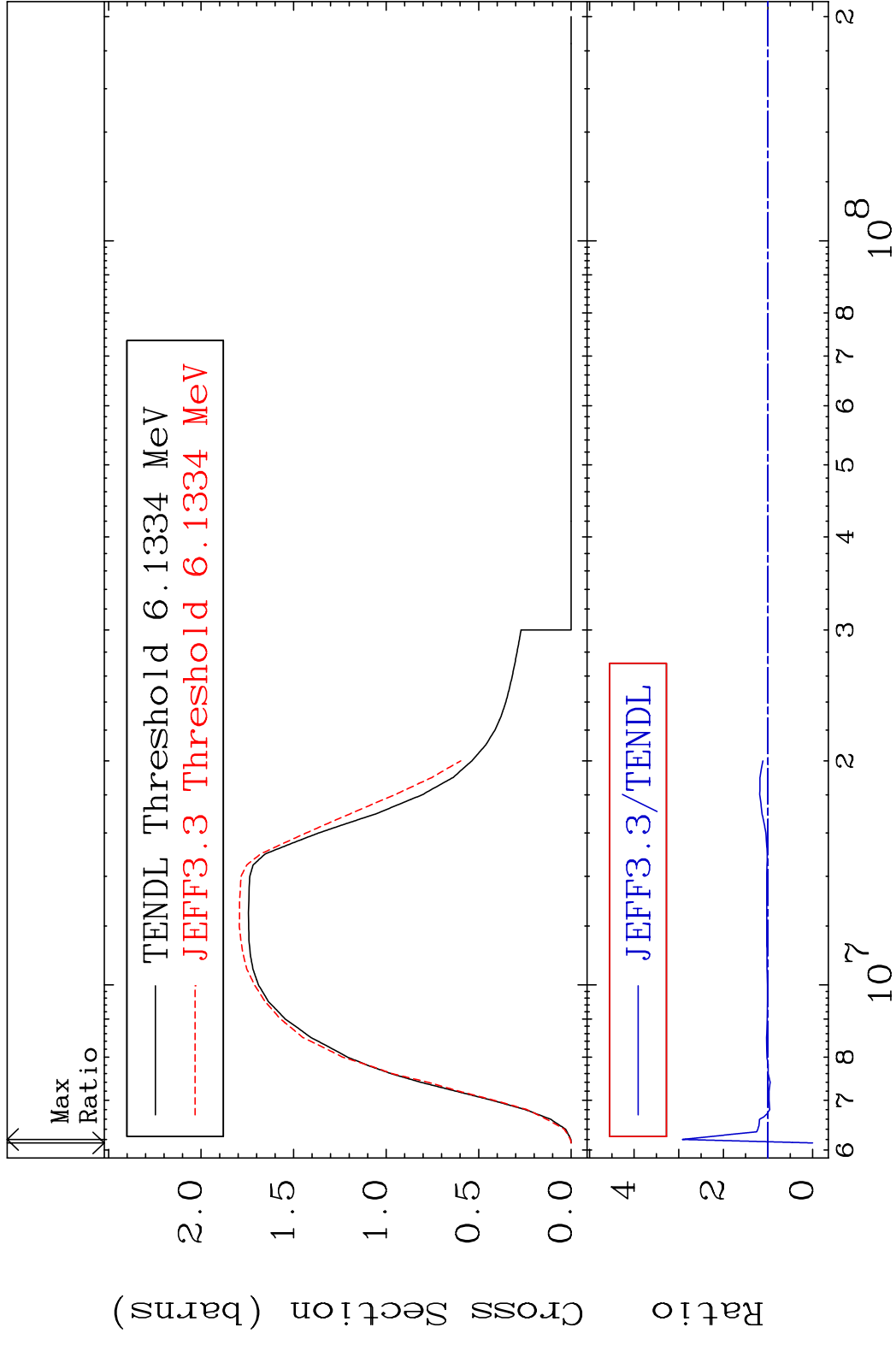


65 Incident Energy (eV) 72-Hf-179

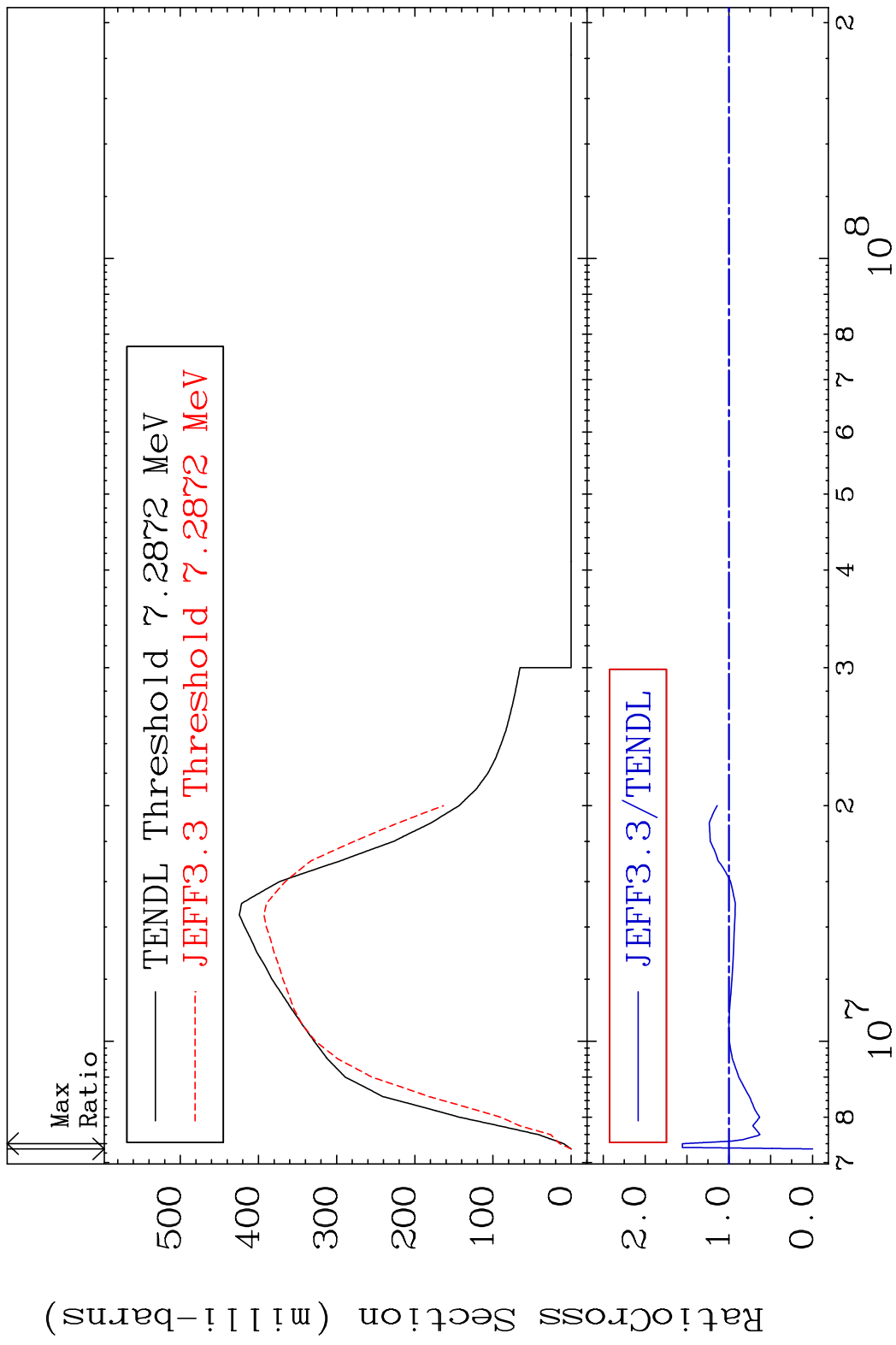




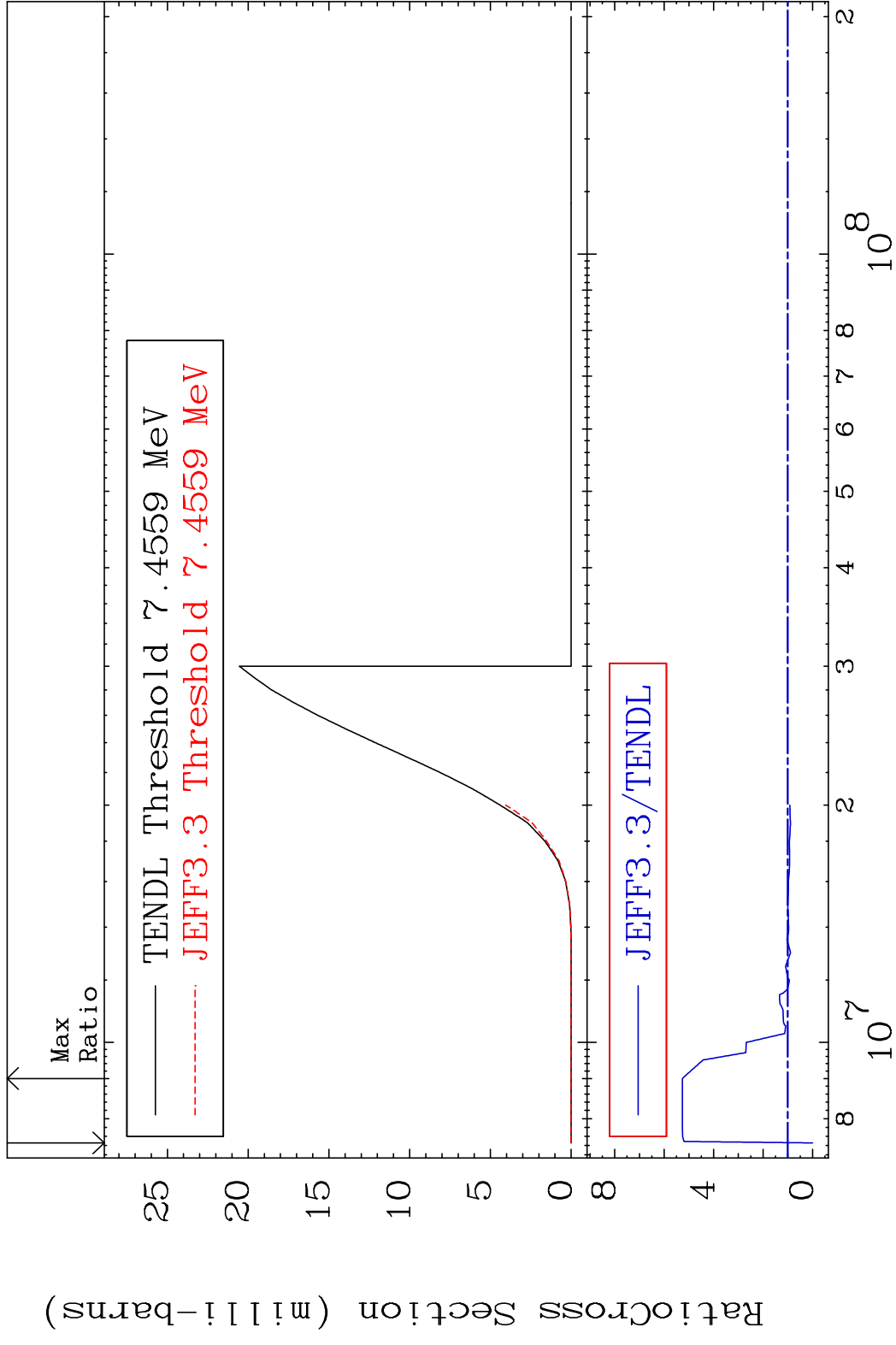
MAT 7240 (n,2n):72-Hf-178g 72-Hf-179
 Radionuclide Production Cross Section Ratio 191.9 %



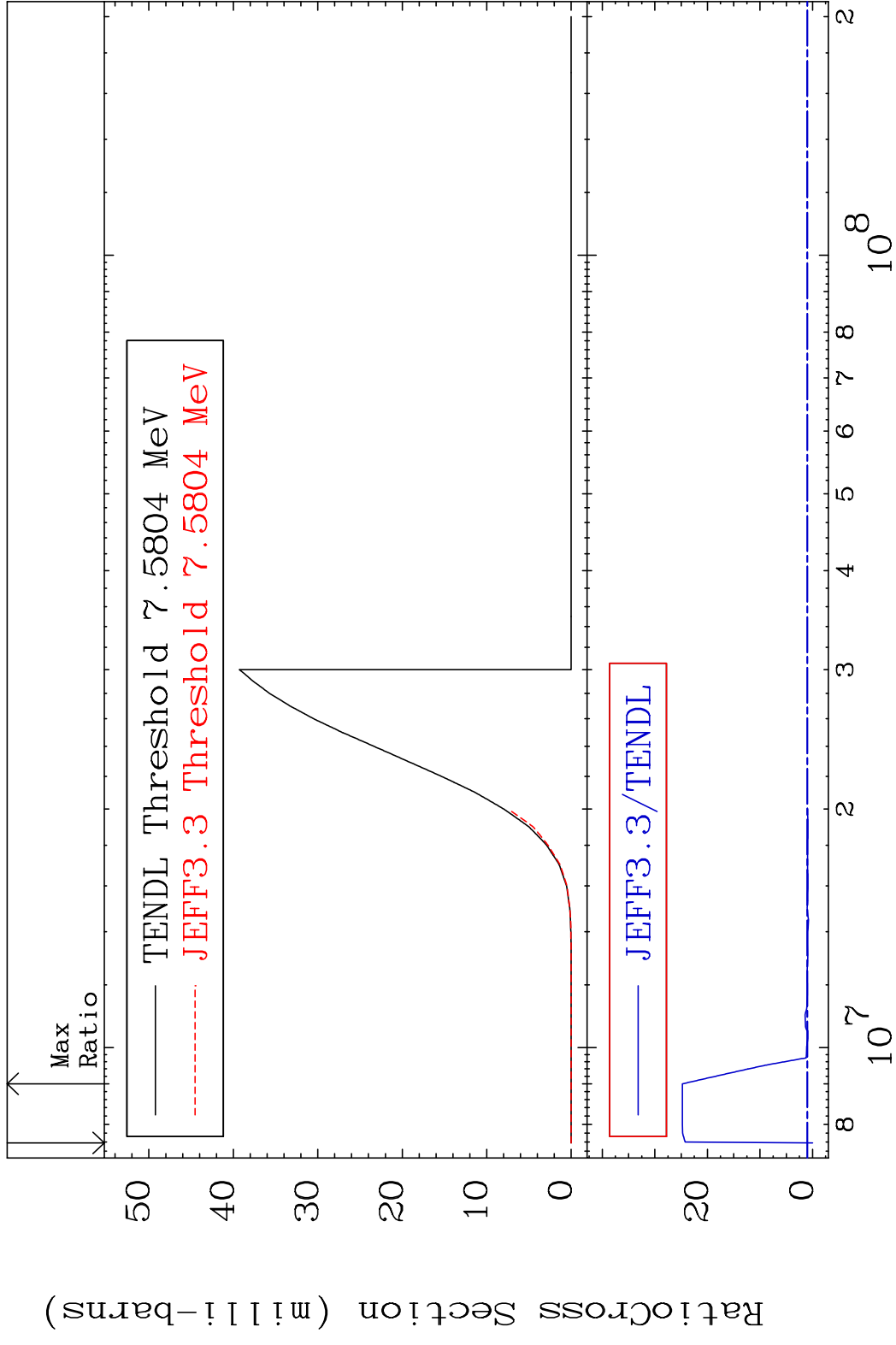
MAT 7240 (n,2n):72-Hf-178m5 72-Hf-179
 Radionuclide Production Cross Section 180.01 dth 55.58 %



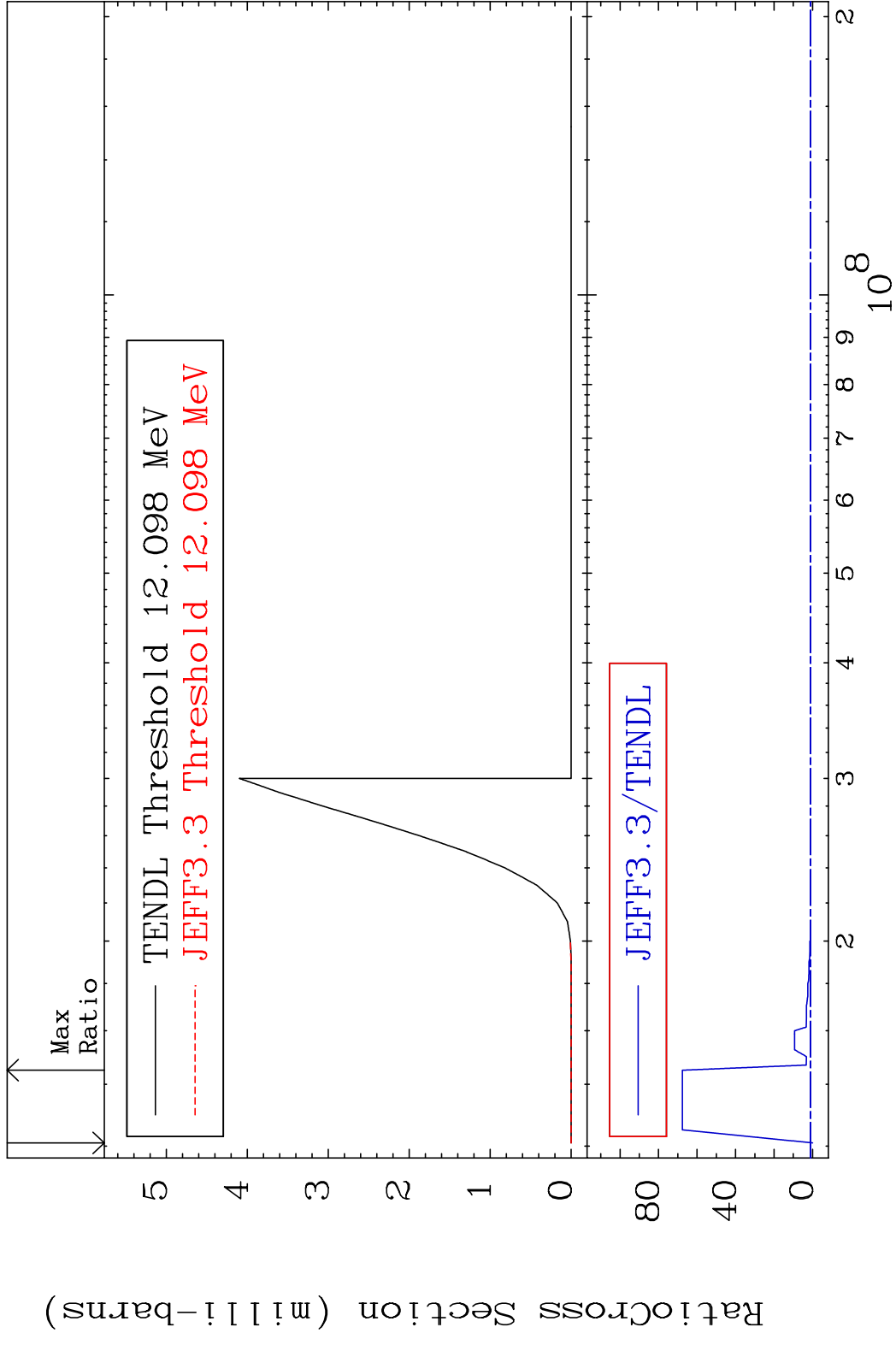
MAT 7240 (n, n') p:71-Lu-178g 72-Hf-179
 Radionuclide Production Cross Section Ratio 426.4 %

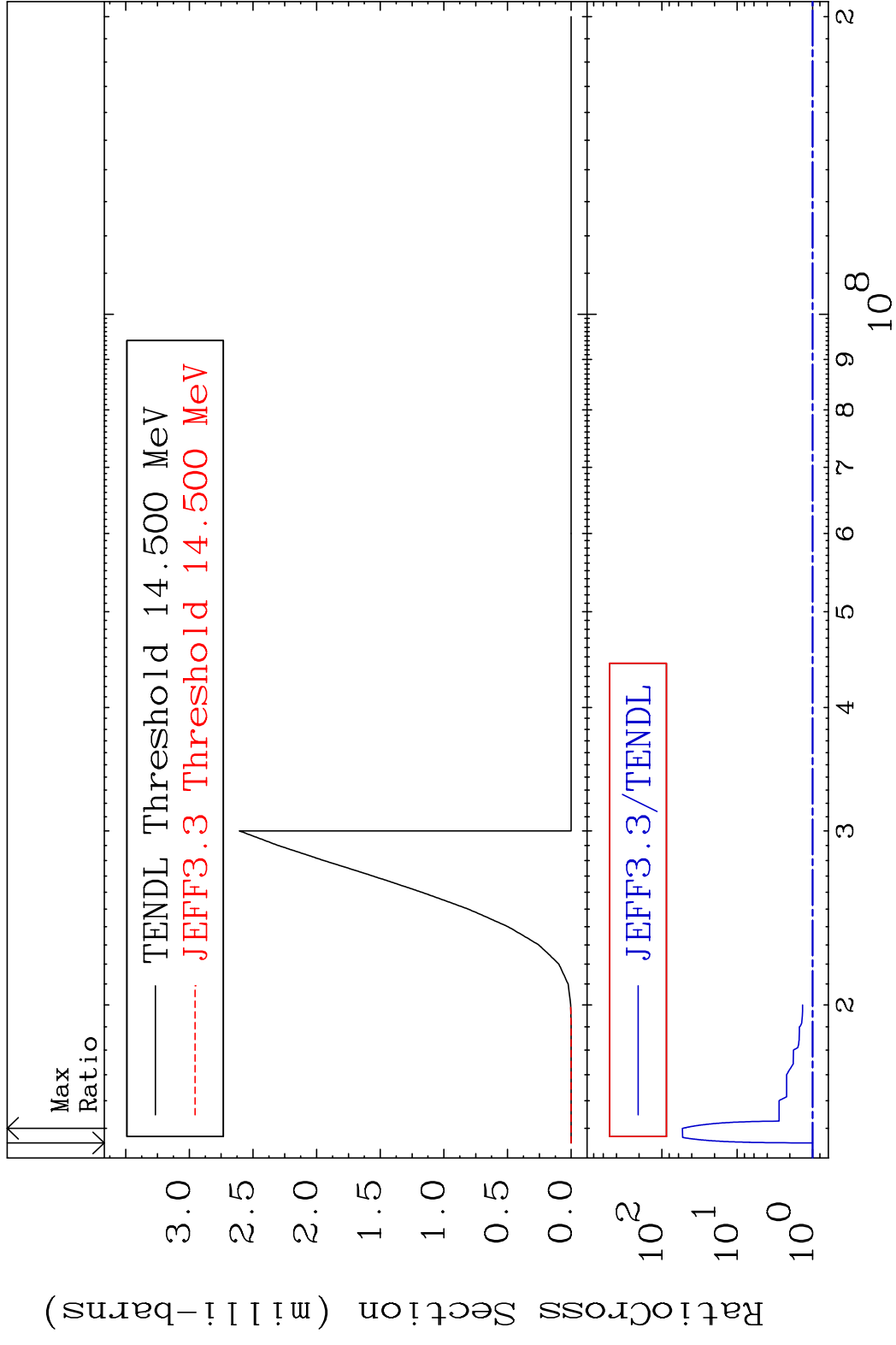


70 Incident Energy (eV) 72-Hf-179

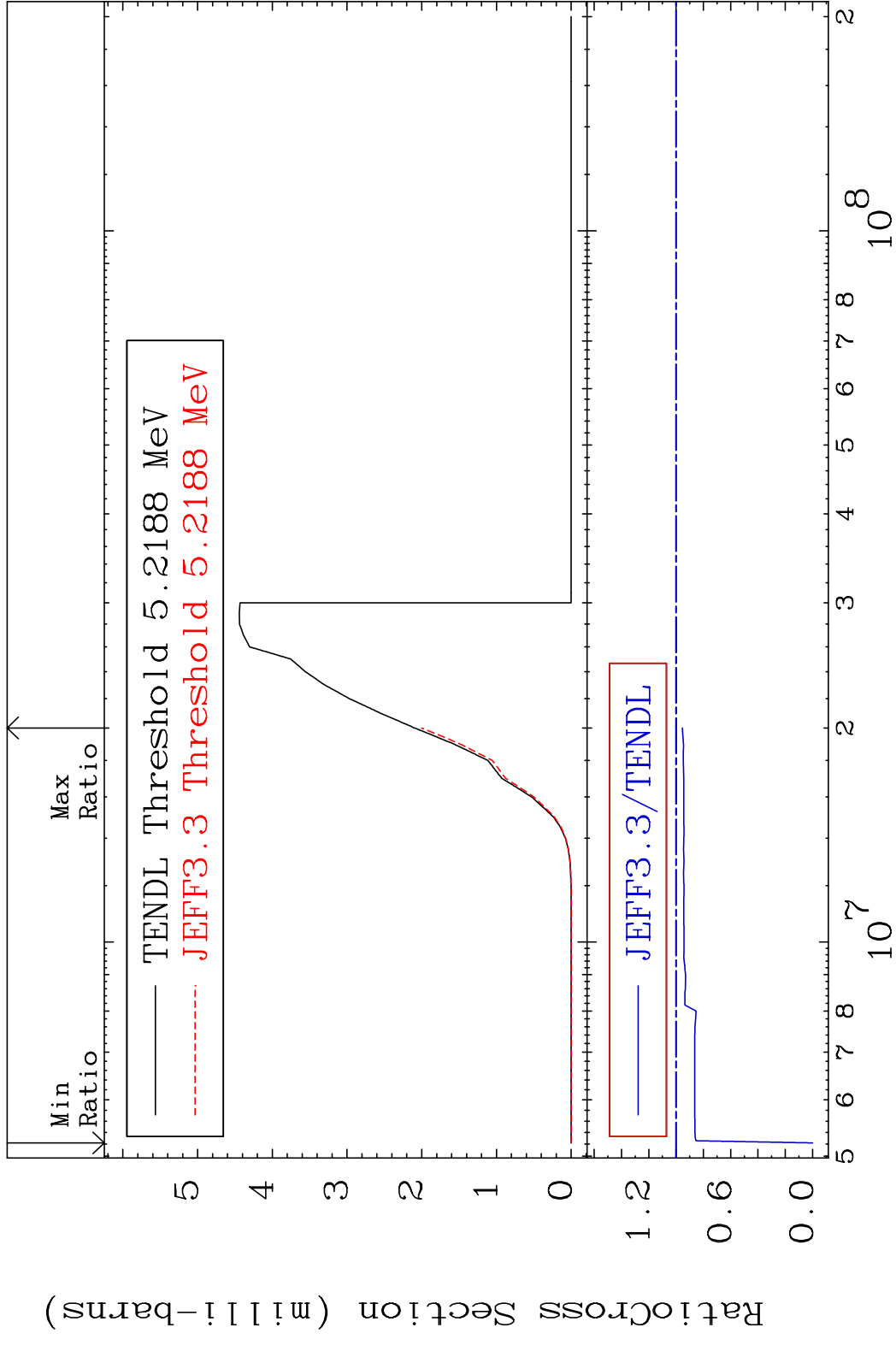


MAT 7240 (n, n') t:71-Lu-176g 72-Hf-179
 Radionuclide Production Cross Section Ratio 6663. %





MAT 7240 (n, d):71-Lu-178g 72-Hf-179
 Radionuclide Production Cross Section Ratio



MAT 7240 (n, d):71-Lu-178m3 72-Hf-179
 Radionuclide Production Cross Section 180.01 dth 16.59 %

