

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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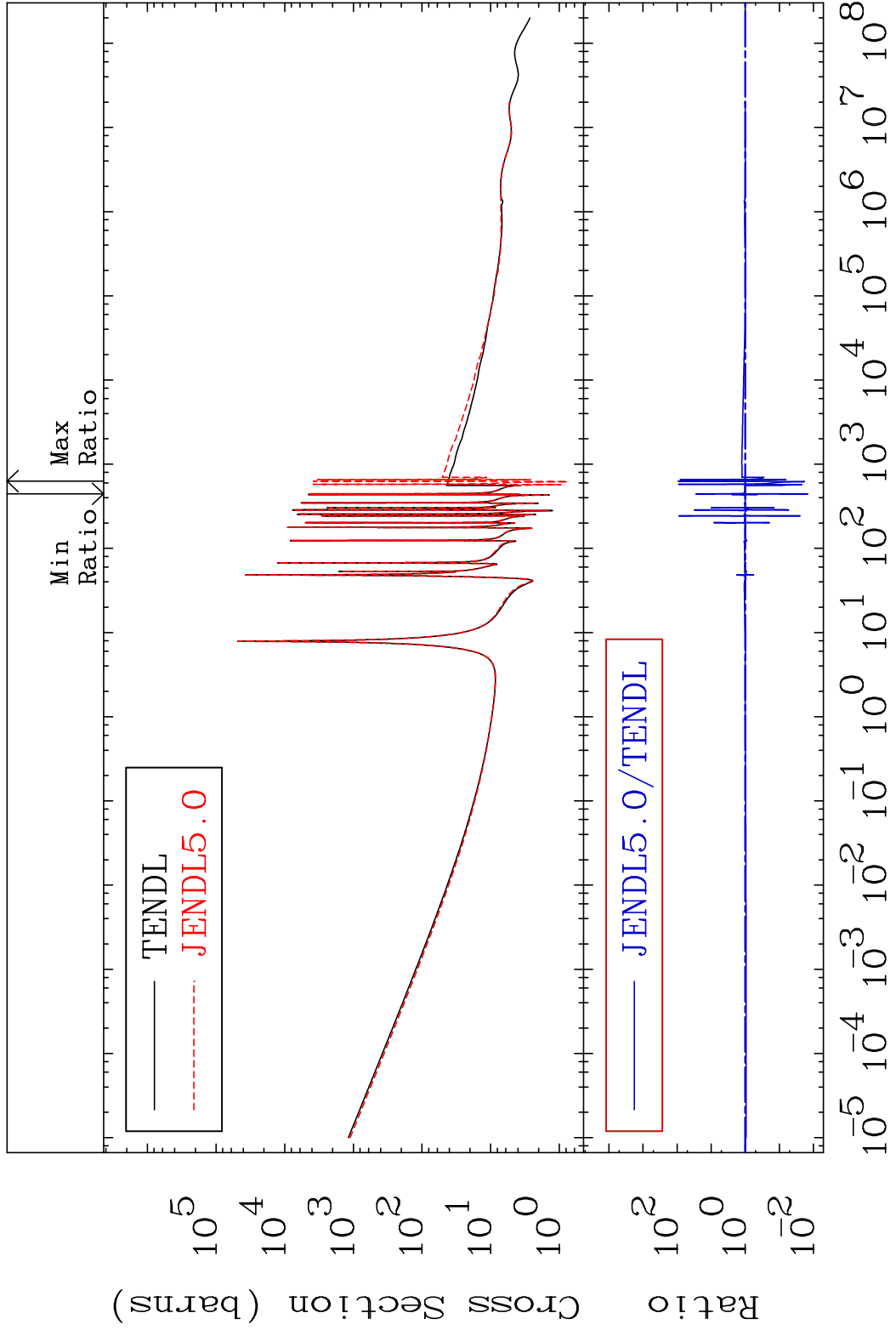
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7231 Total 72-Hf-176
 Cross Section -98.53 To 9141. %



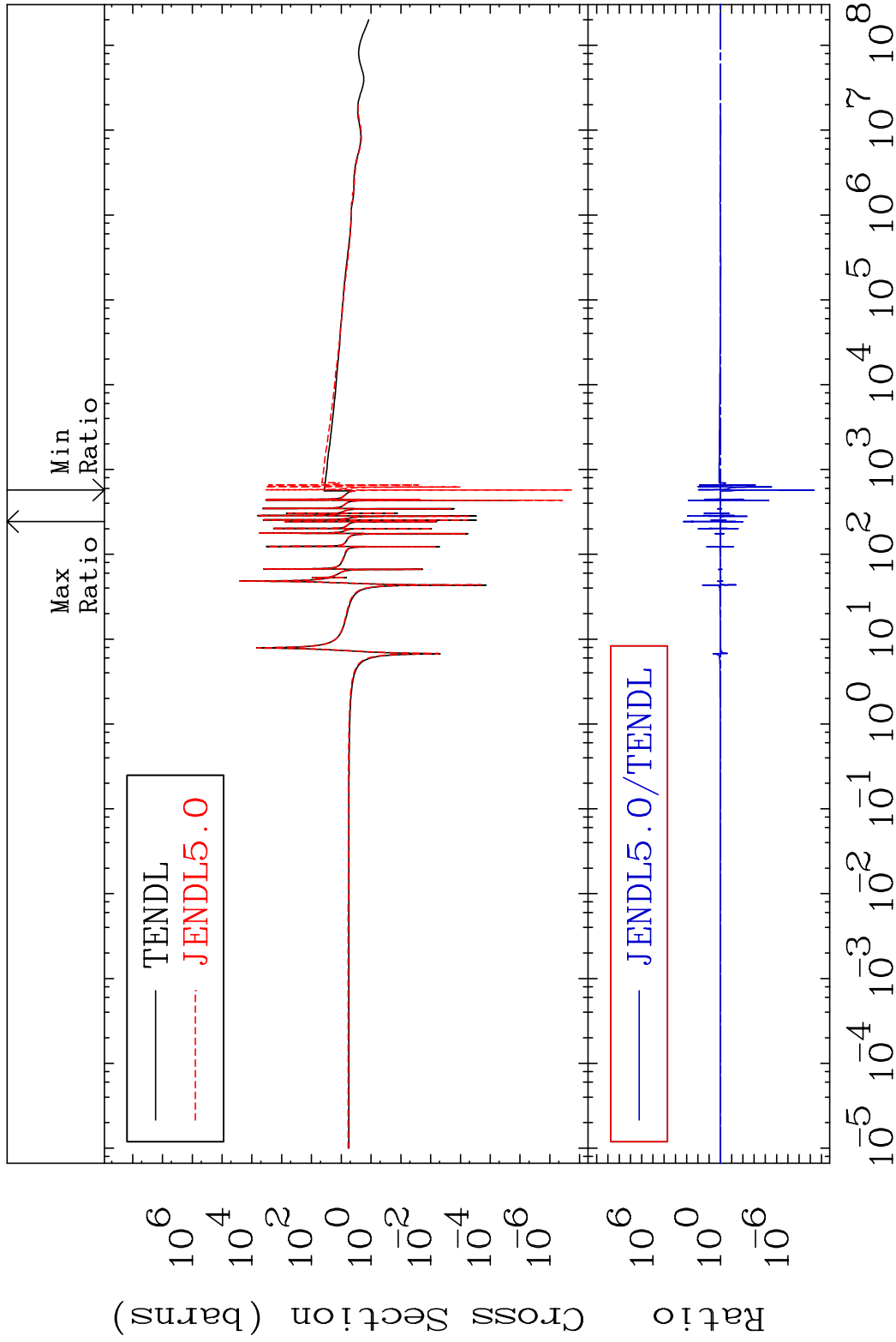
1 Incident Energy (eV) 72-Hf-176

MAT 7231

Elastic

72-Hf-176

Cross Section -100.0 To 9999. %

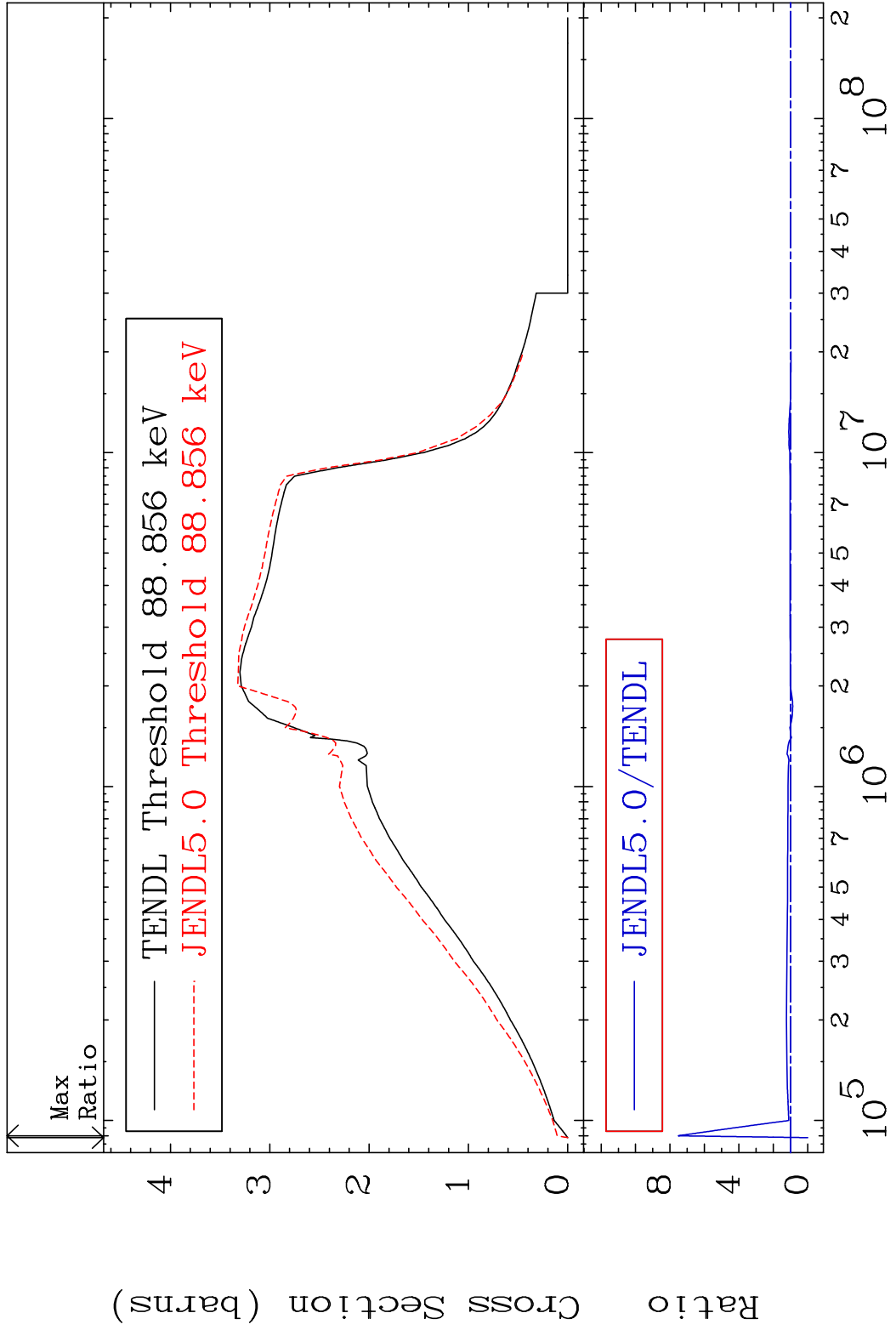


2

Incident Energy (eV)

72-Hf-176

MAT 7231 Inelastic 72-Hf-176
 Cross Section -100.0 To 651.9 %



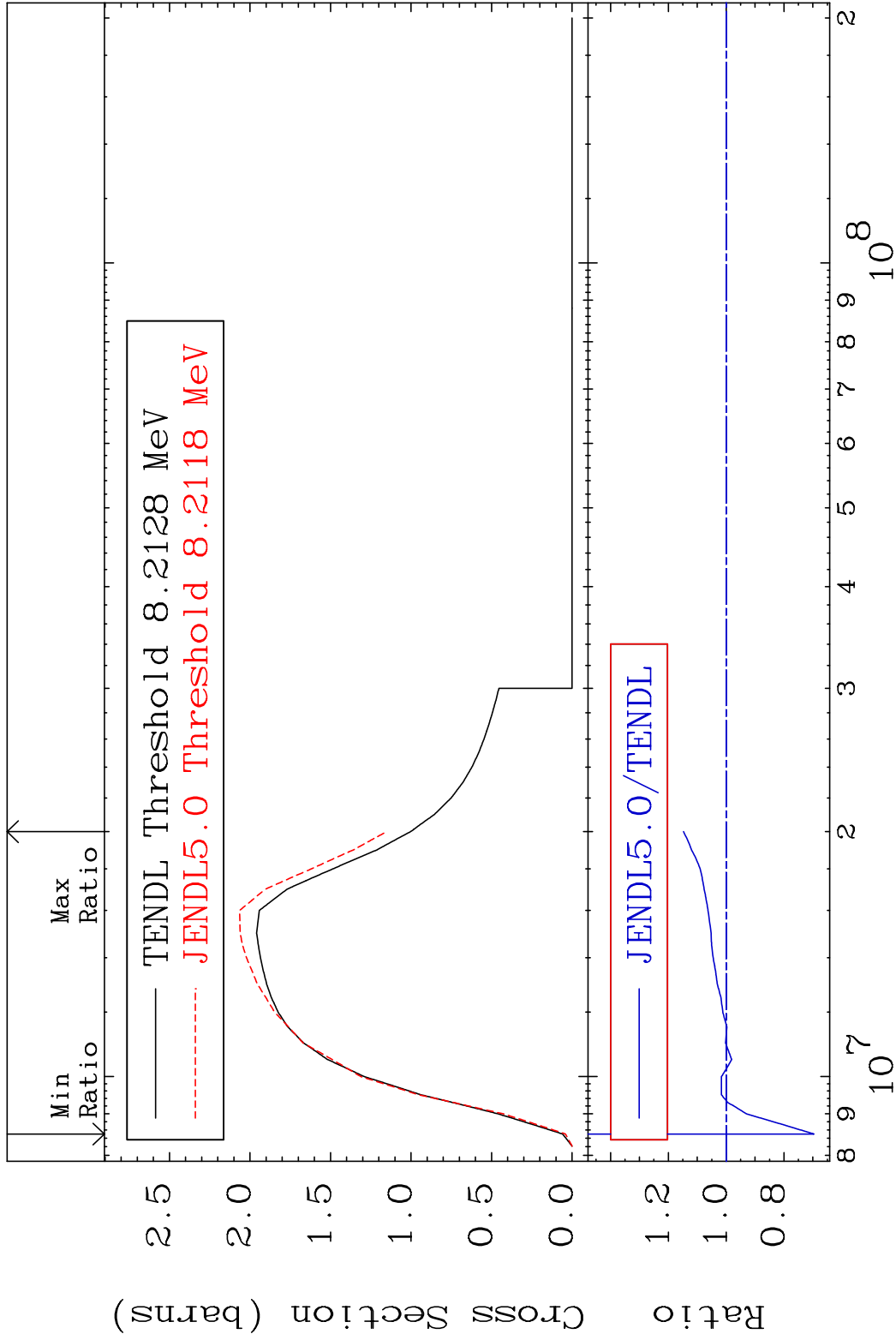
3 Incident Energy (eV) 72-Hf-176

MAT 7231

(n,2n)

72-Hf-176

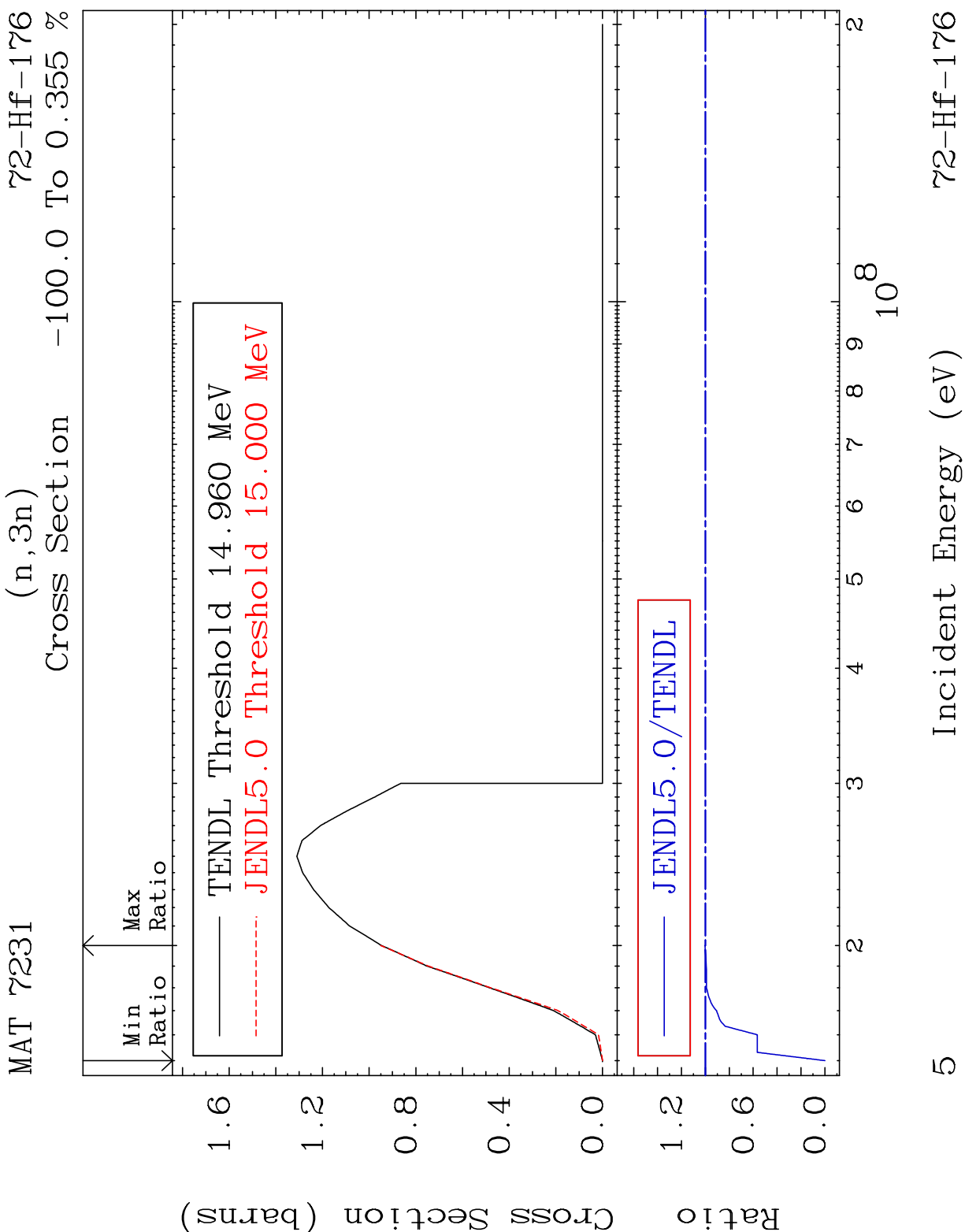
Cross Section -30.35 To 14.77 %



4

Incident Energy (eV)

72-Hf-176

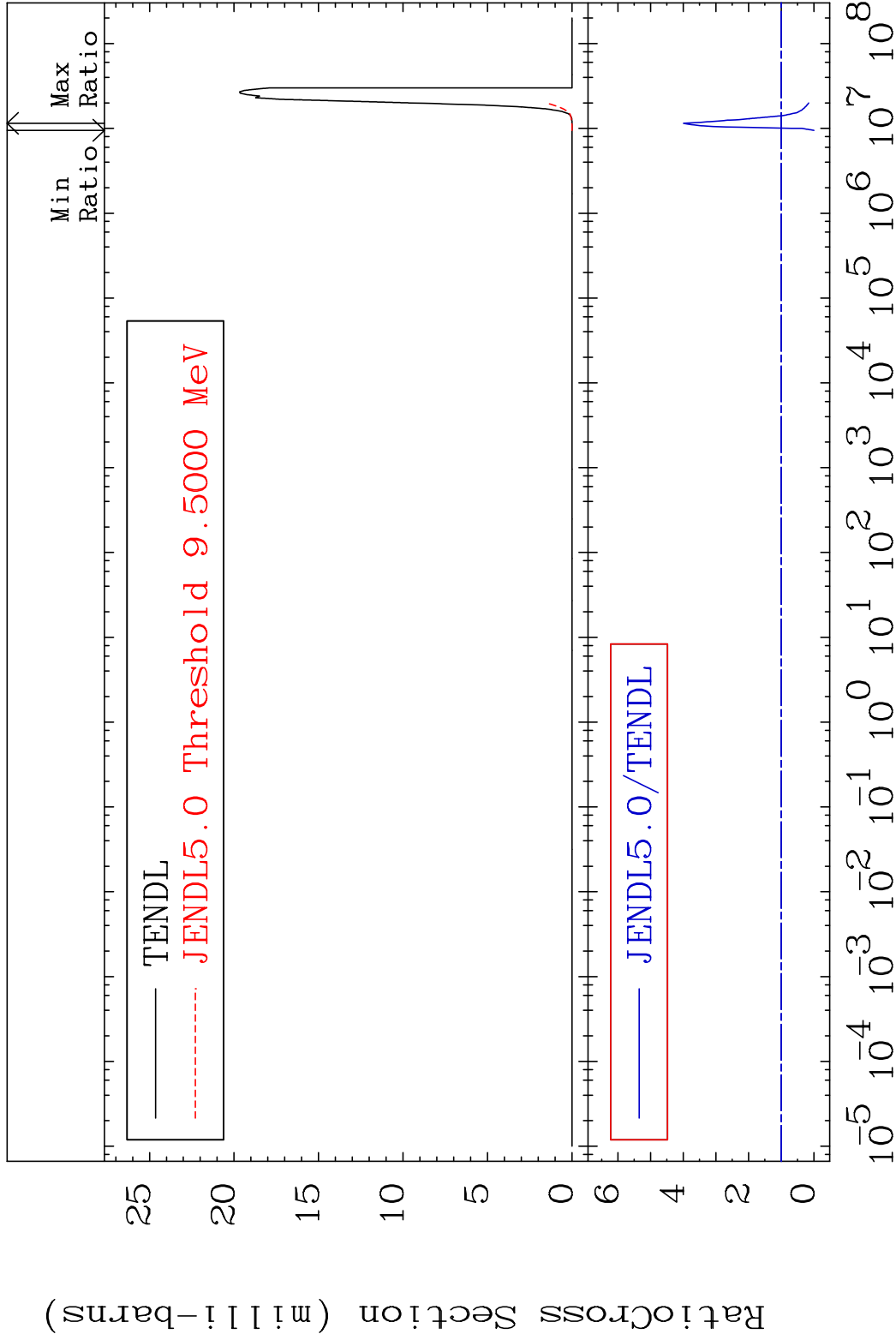


MAT 7231

(n, n') α

72-Hf-176

Cross Section -100.0 To 299.4 %

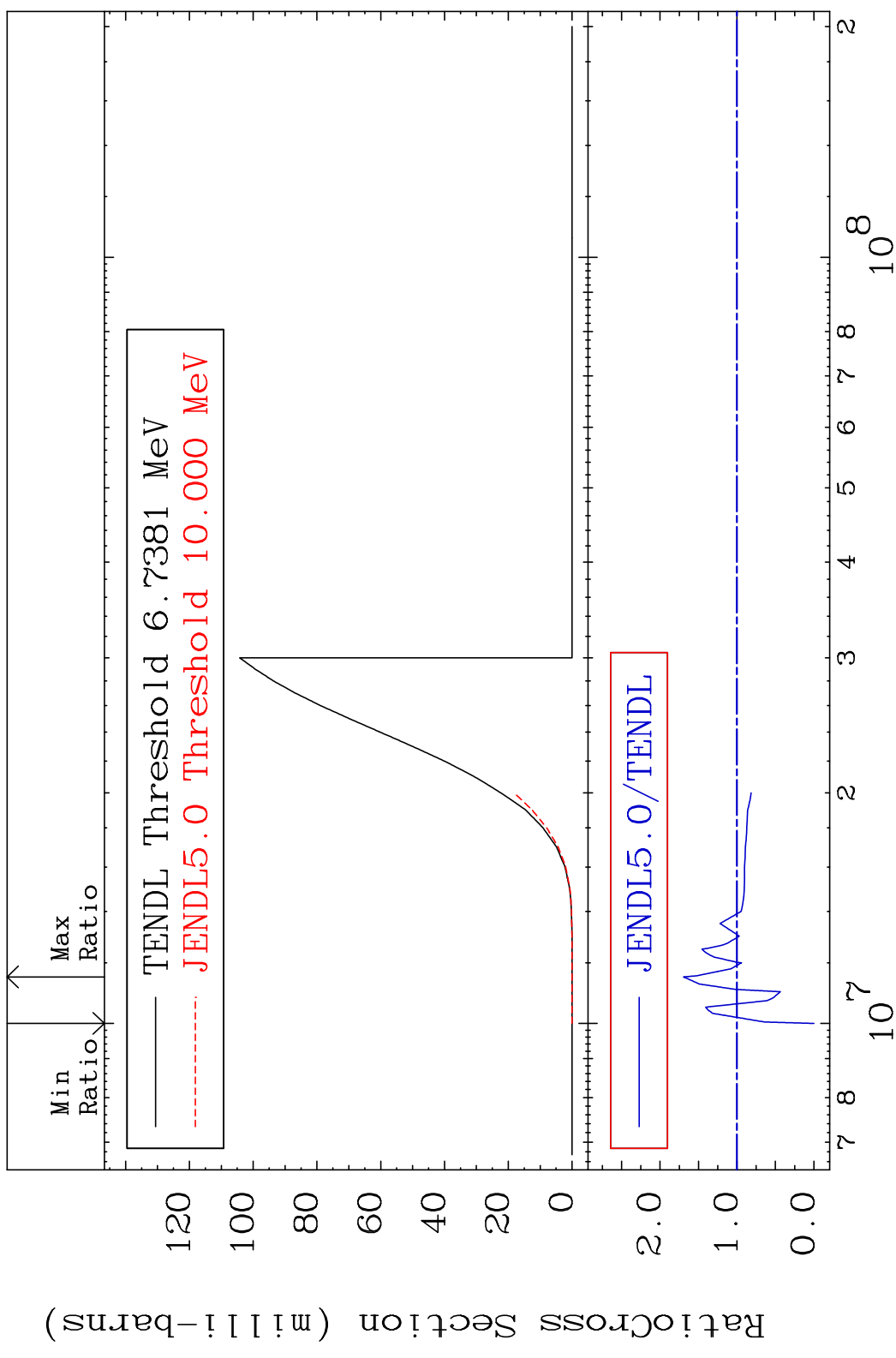


6

Incident Energy (eV)

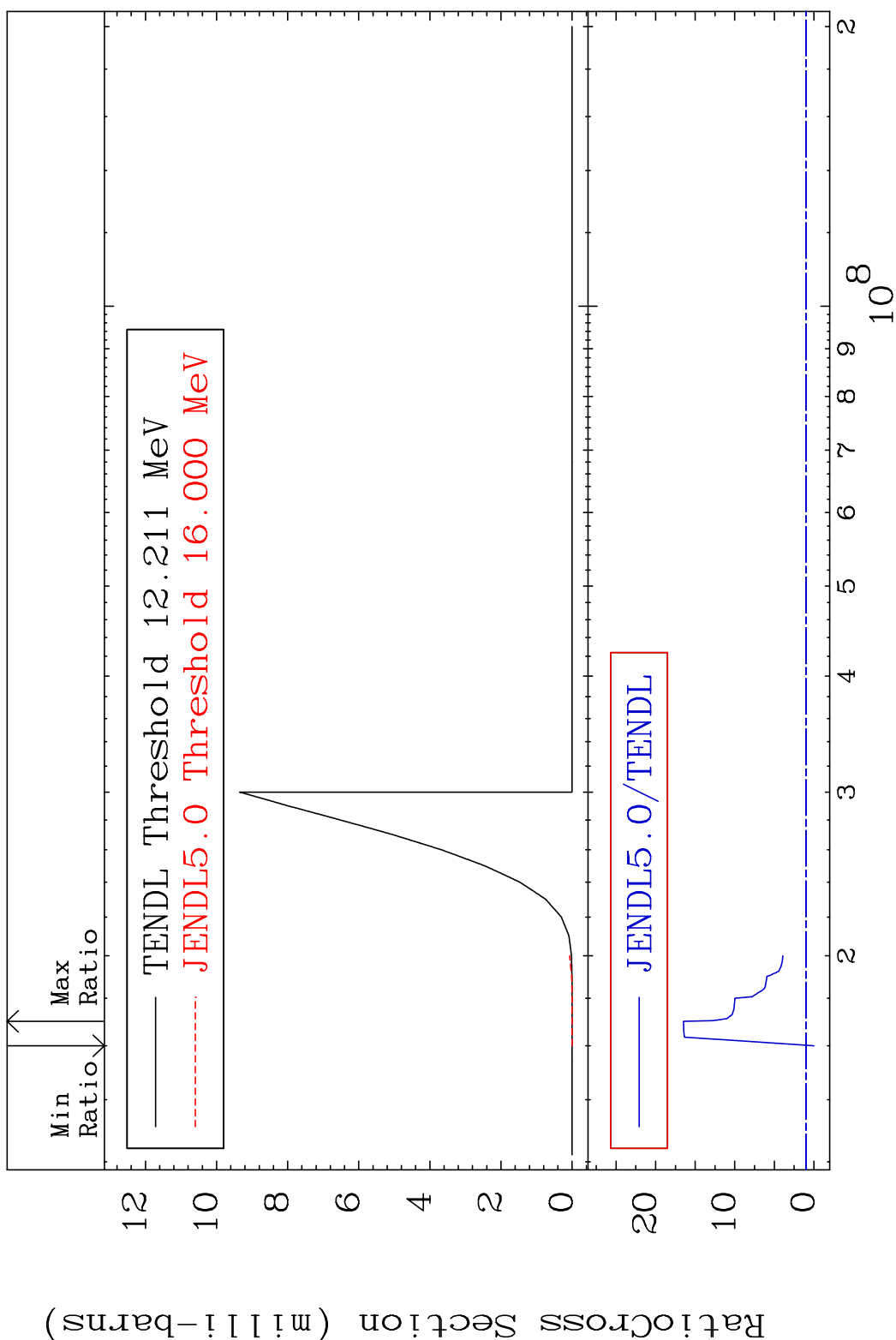
72-Hf-176

MAT 7231 (n, n') p 72-Hf-176
 Cross Section -100.0 To 69.57 %

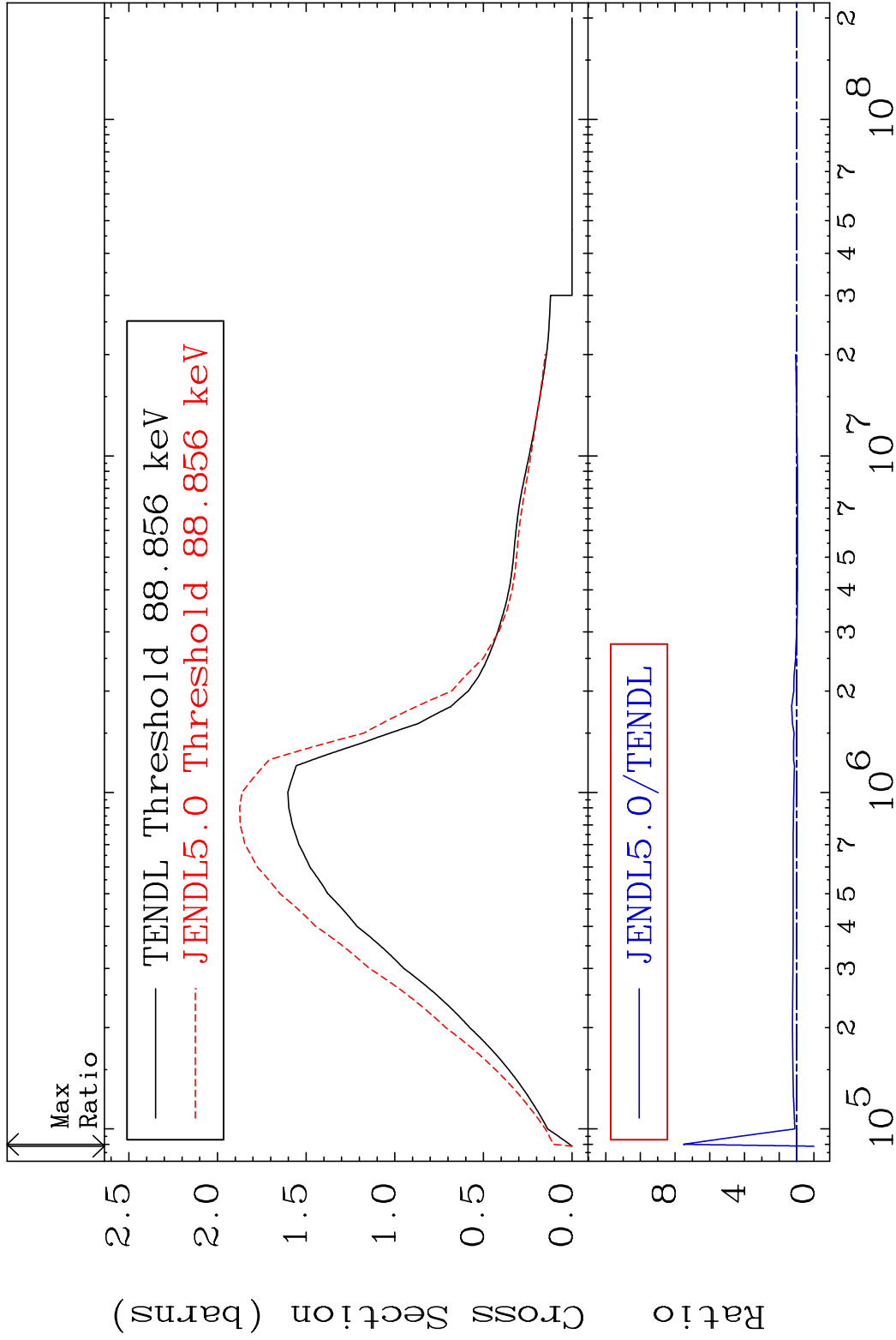


7 Incident Energy (eV) 72-Hf-176

MAT 7231 (n, n') d 72-Hf-176
 Cross Section -100.0 To 1548. %

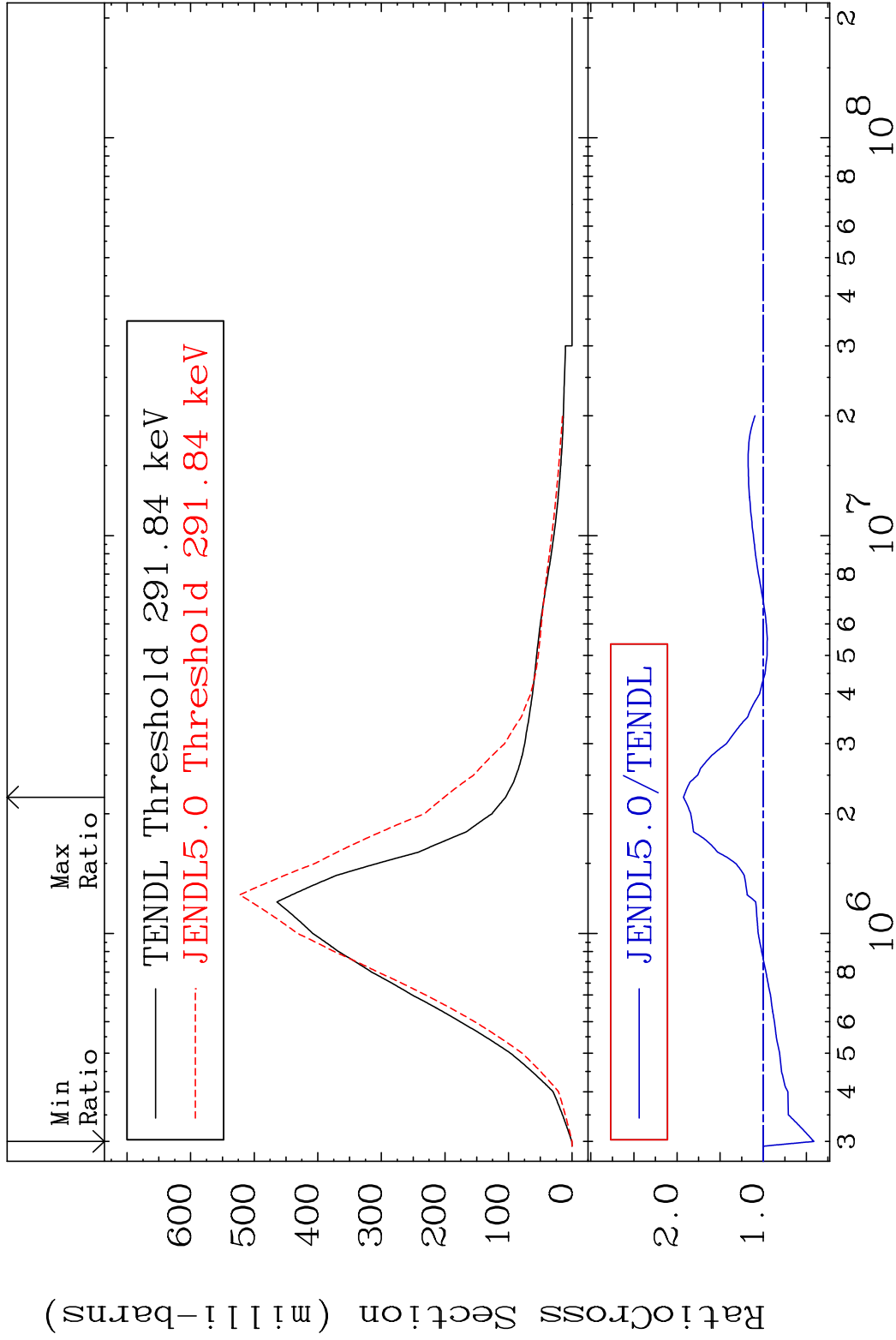


MAT 7231 MT= 51 (n, n') Level 72-Hf-176
 Cross Section -100.0 To 651.9 %



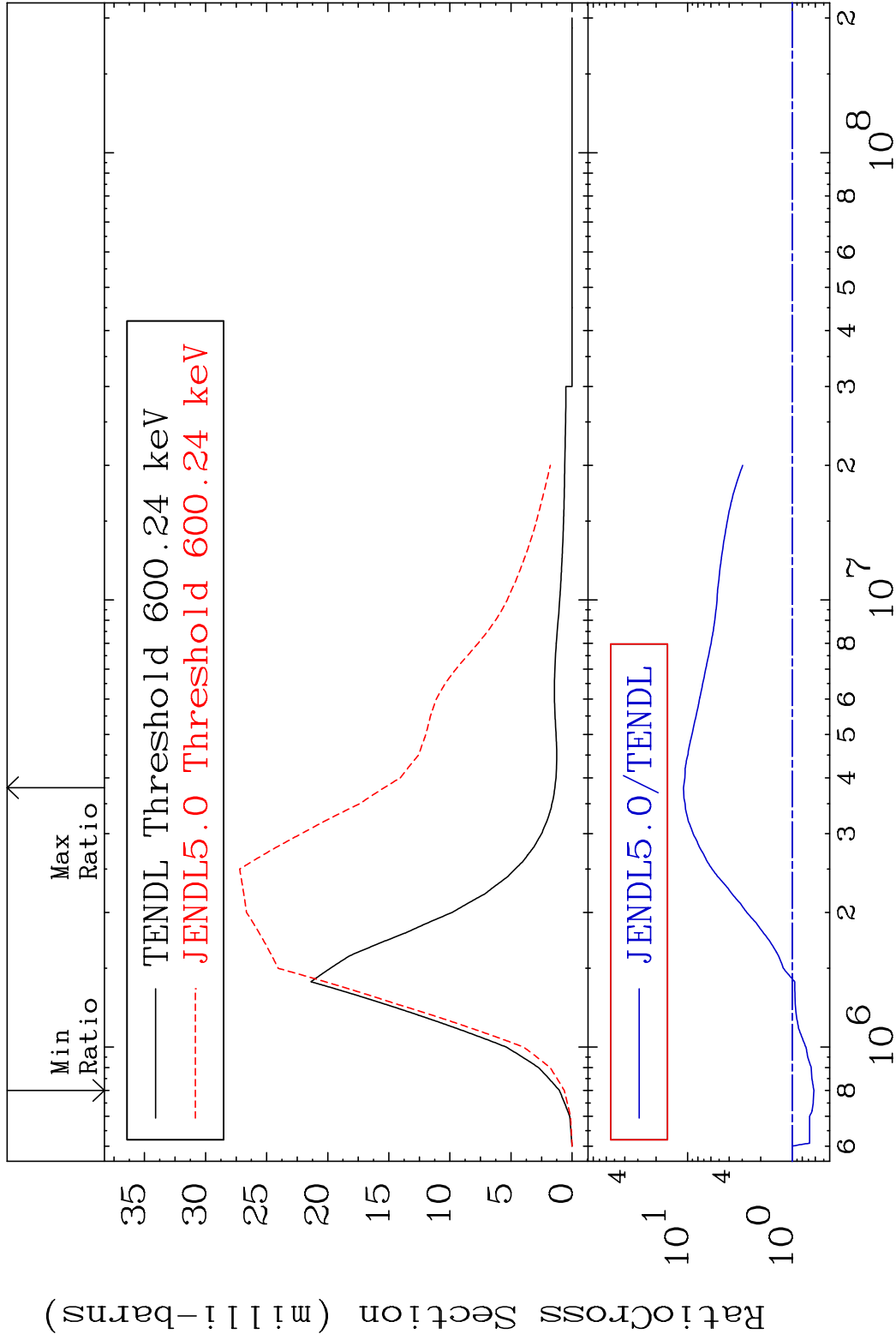
9 Incident Energy (eV) 72-Hf-176

MAT 7231 MT= 52 (n, n') Level 72-Hf-176
 Cross Section -58.69 To 92.54 %

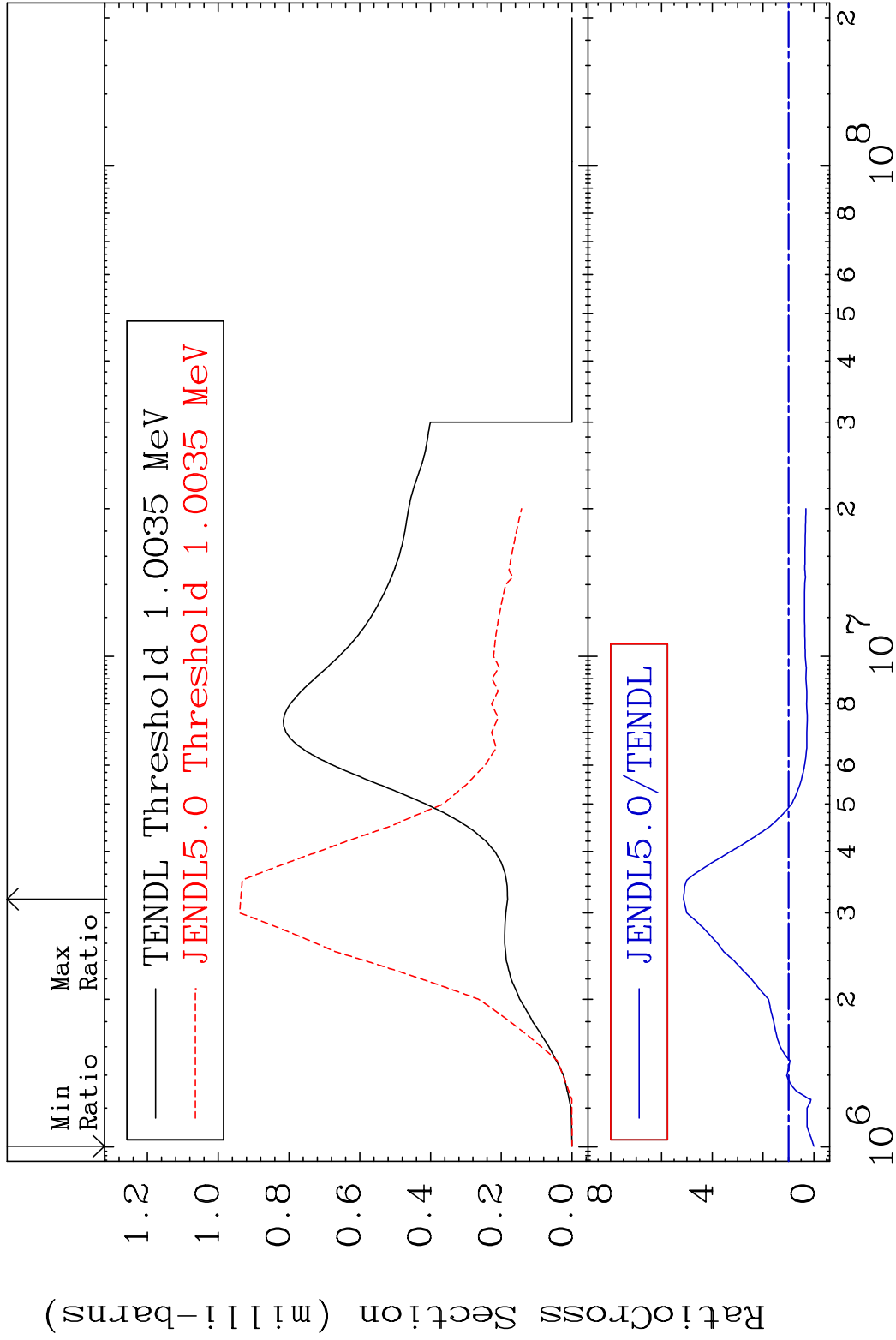


10 Incident Energy (eV) 72-Hf-176

MAT 7231 MT= 53 (n, n') Level 72-Hf-176
 Cross Section -37.99 To 996.9 %

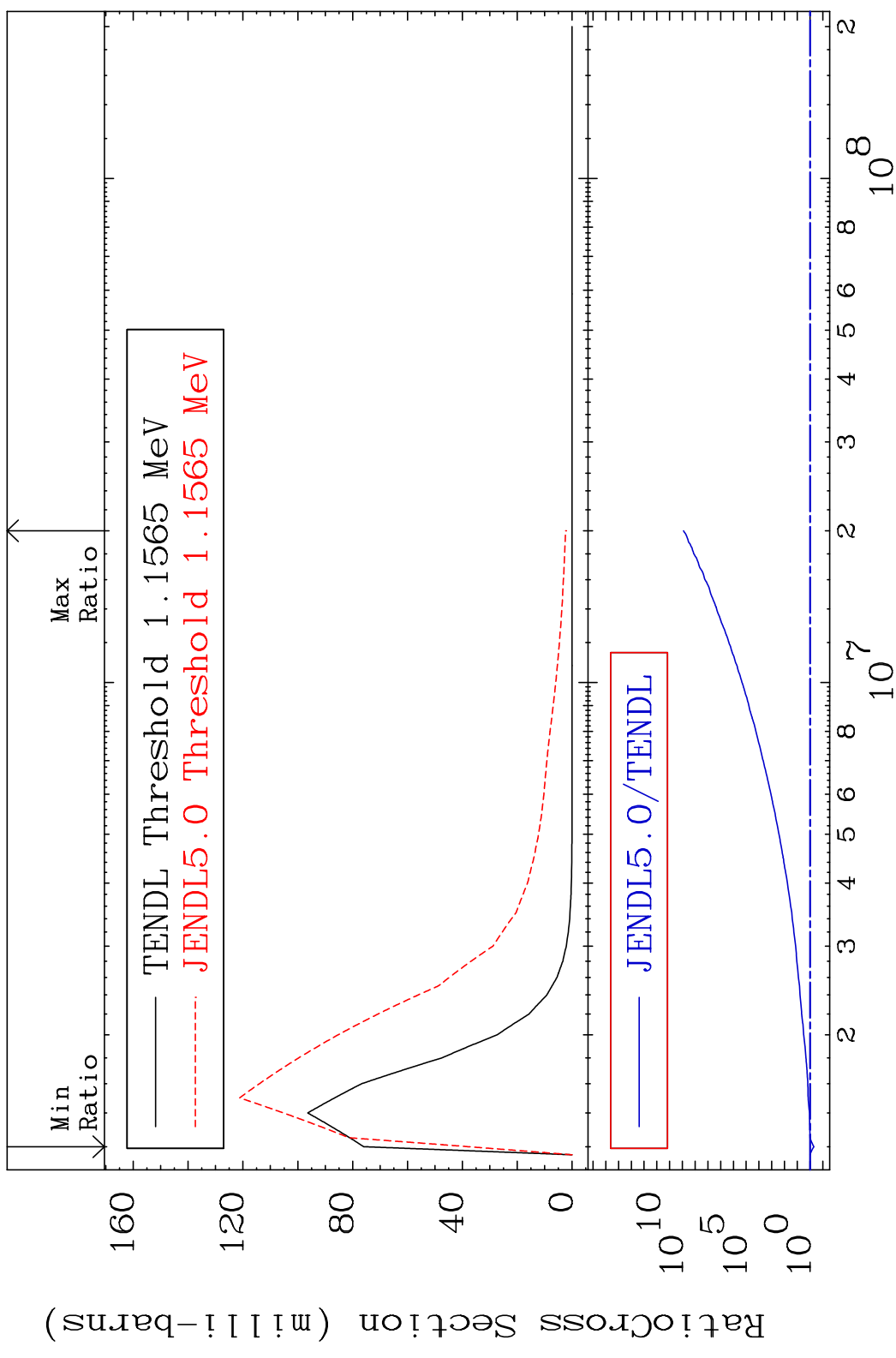


MAT 7231 MT= 54 (n, n') Level 72-Hf-176
 Cross Section -100.0 To 413.6 %



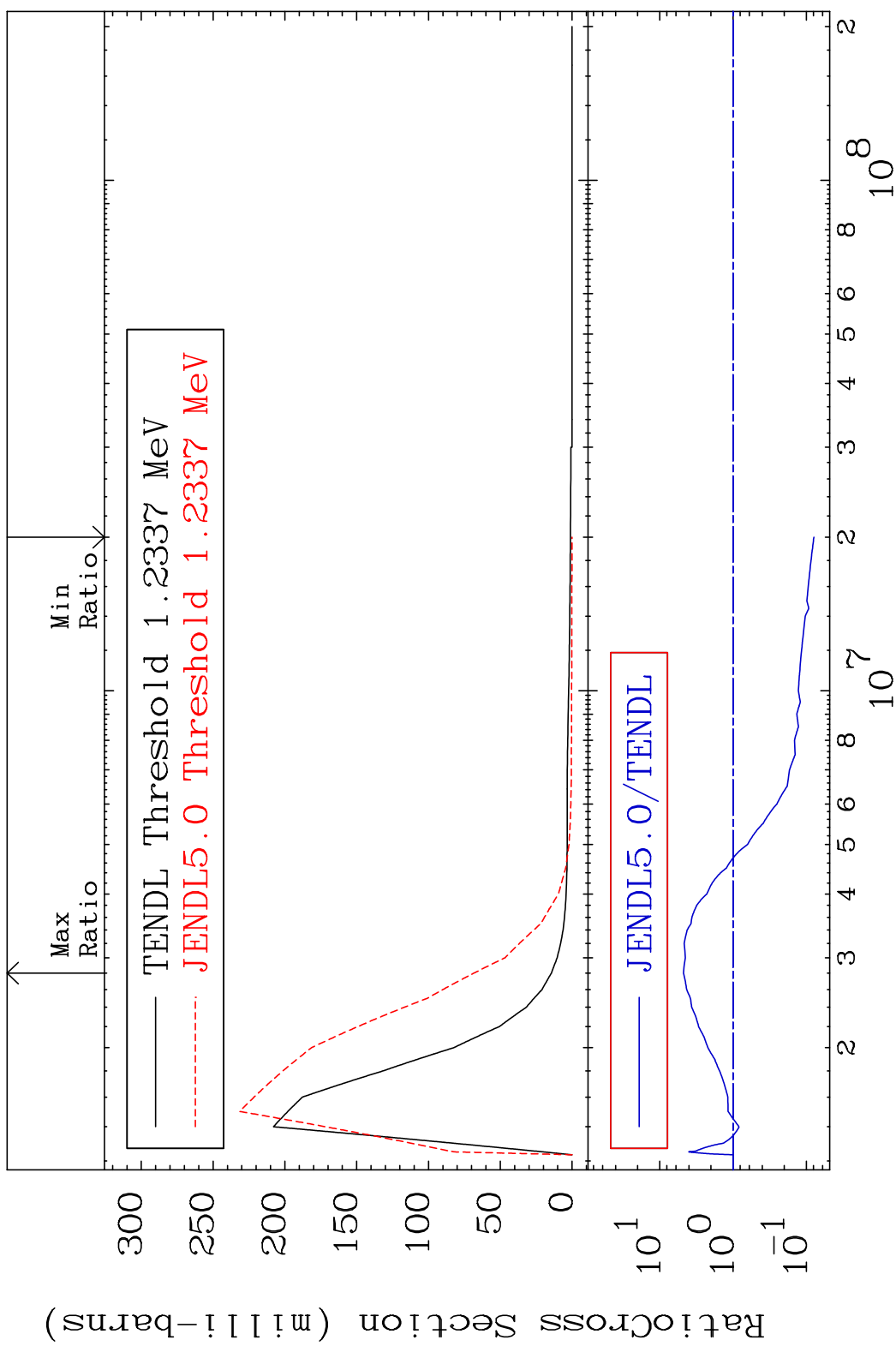
12 Incident Energy (eV) 72-Hf-176

MAT 7231 MT= 55 (n, n') Level 72-Hf-176
 Cross Section -50.23 To 9999. %



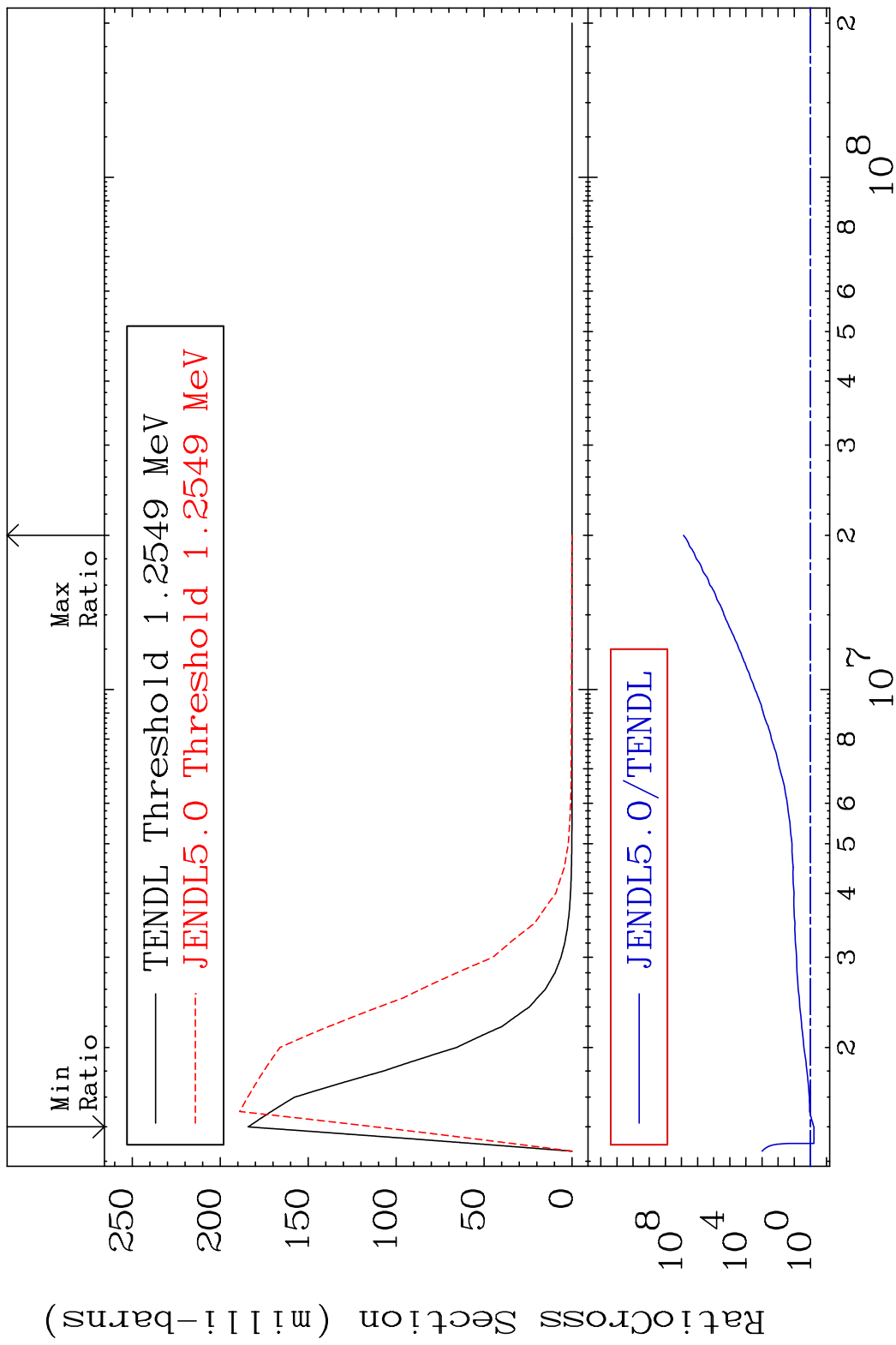
13 Incident Energy (eV) 72-Hf-176

MAT 7231 MT= 56 (n, n') Level 72-Hf-176
 Cross Section -92.10 To 374.5 %



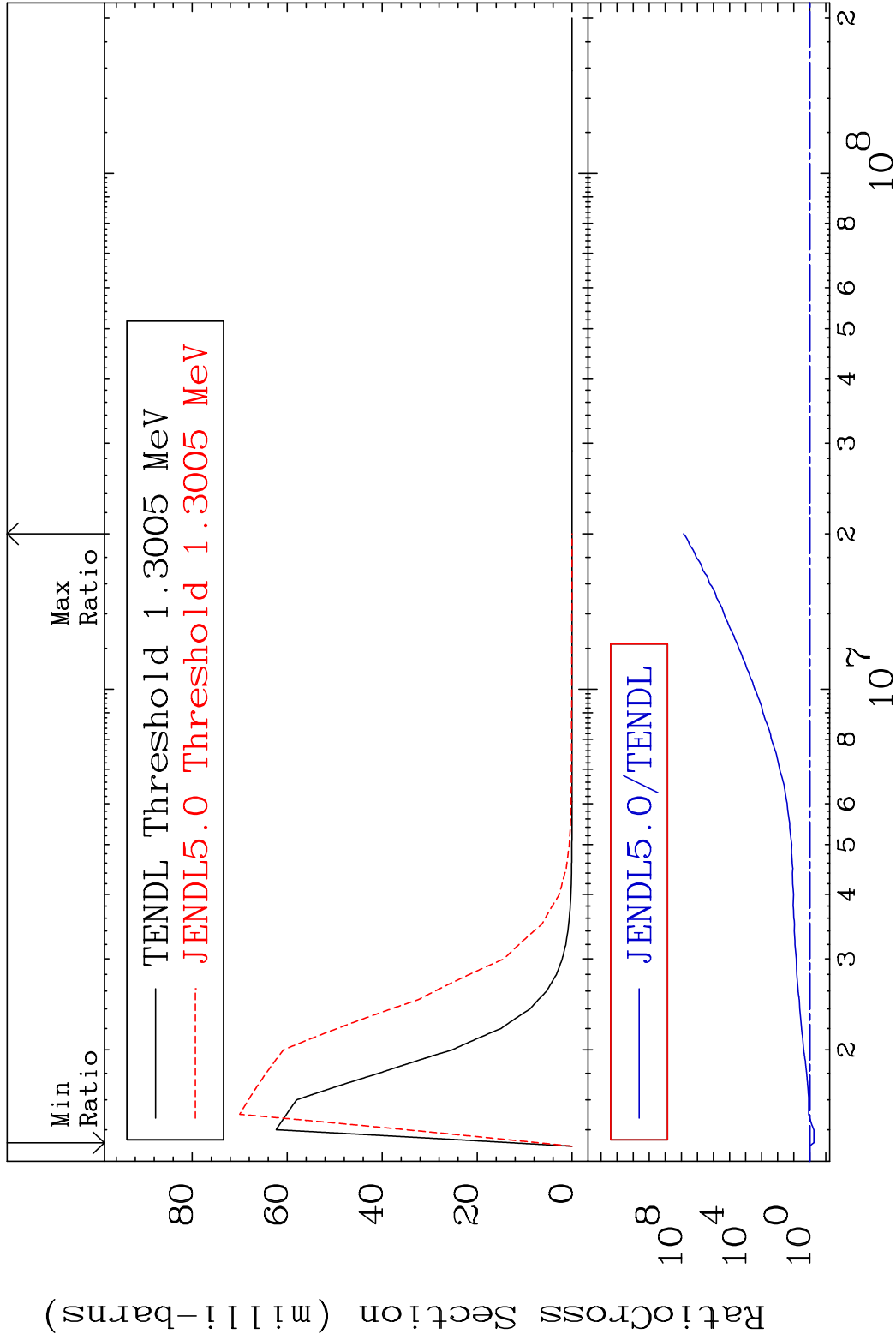
14 Incident Energy (eV) 72-Hf-176

MAT 7231 MT= 57 (n, n') Level 72-Hf-176
 Cross Section -39.24 To 9999. %



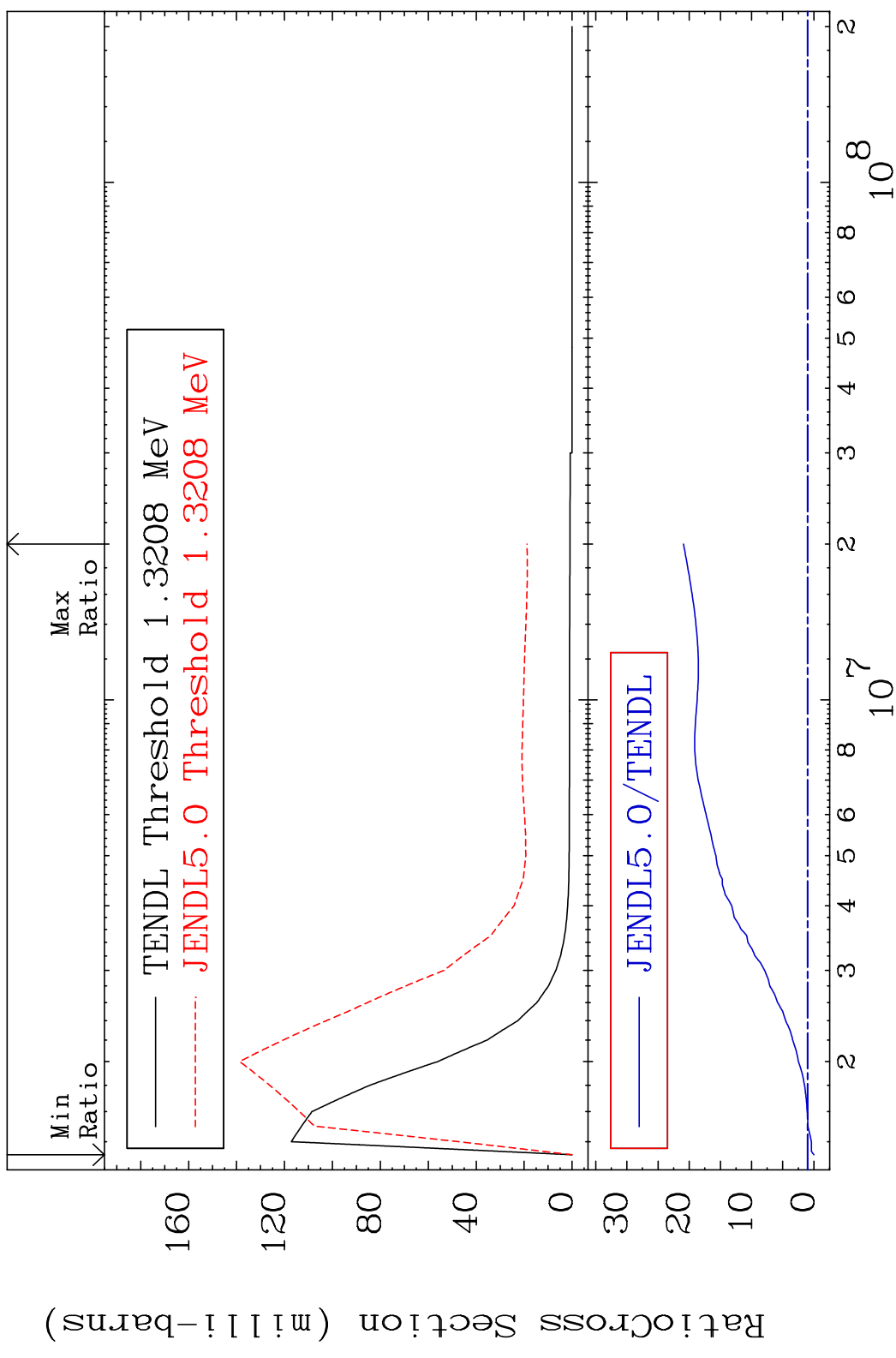
15 Incident Energy (eV) 72-Hf-176

MAT 7231 MT= 58 (n, n') Level 72-Hf-176
 Cross Section -43.99 To 9999. %



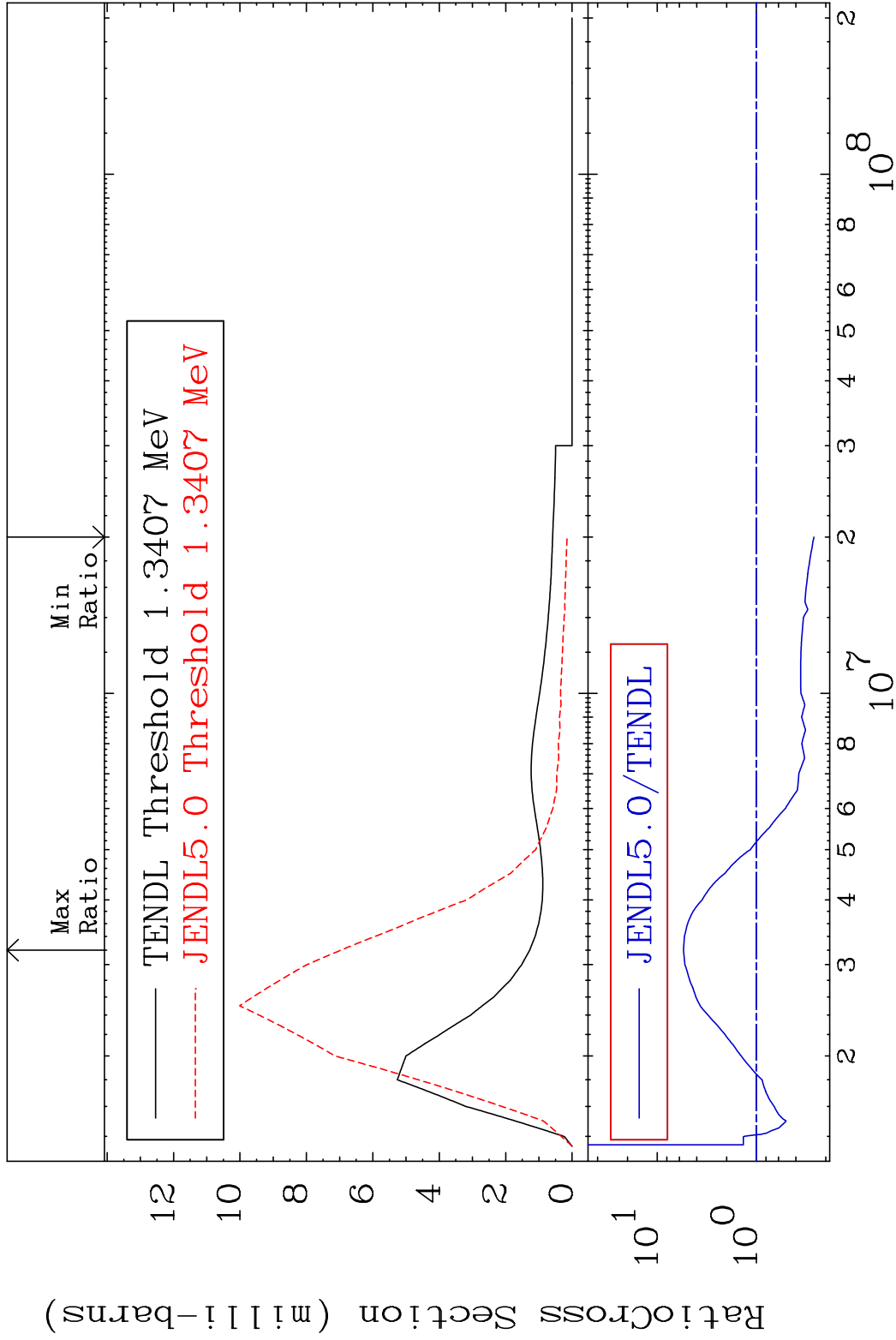
16 Incident Energy (eV) 72-Hf-176

MAT 7231 MT= 59 (n, n') Level 72-Hf-176
 Cross Section -100.0 To 1993. %



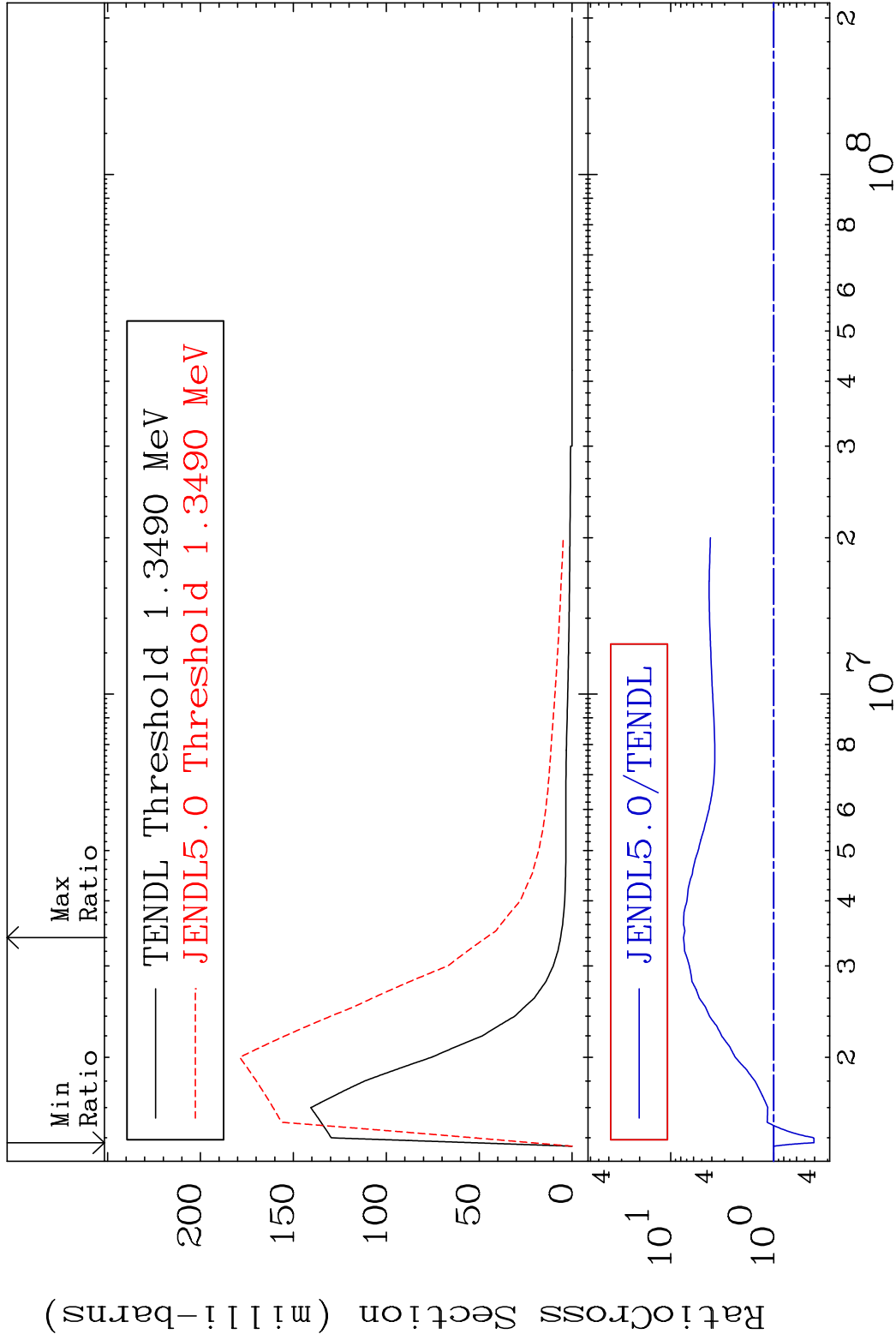
17 Incident Energy (eV) 72-Hf-176

MAT 7231 MT= 60 (n, n') Level 72-Hf-176
 Cross Section -73.64 To 444.9 %

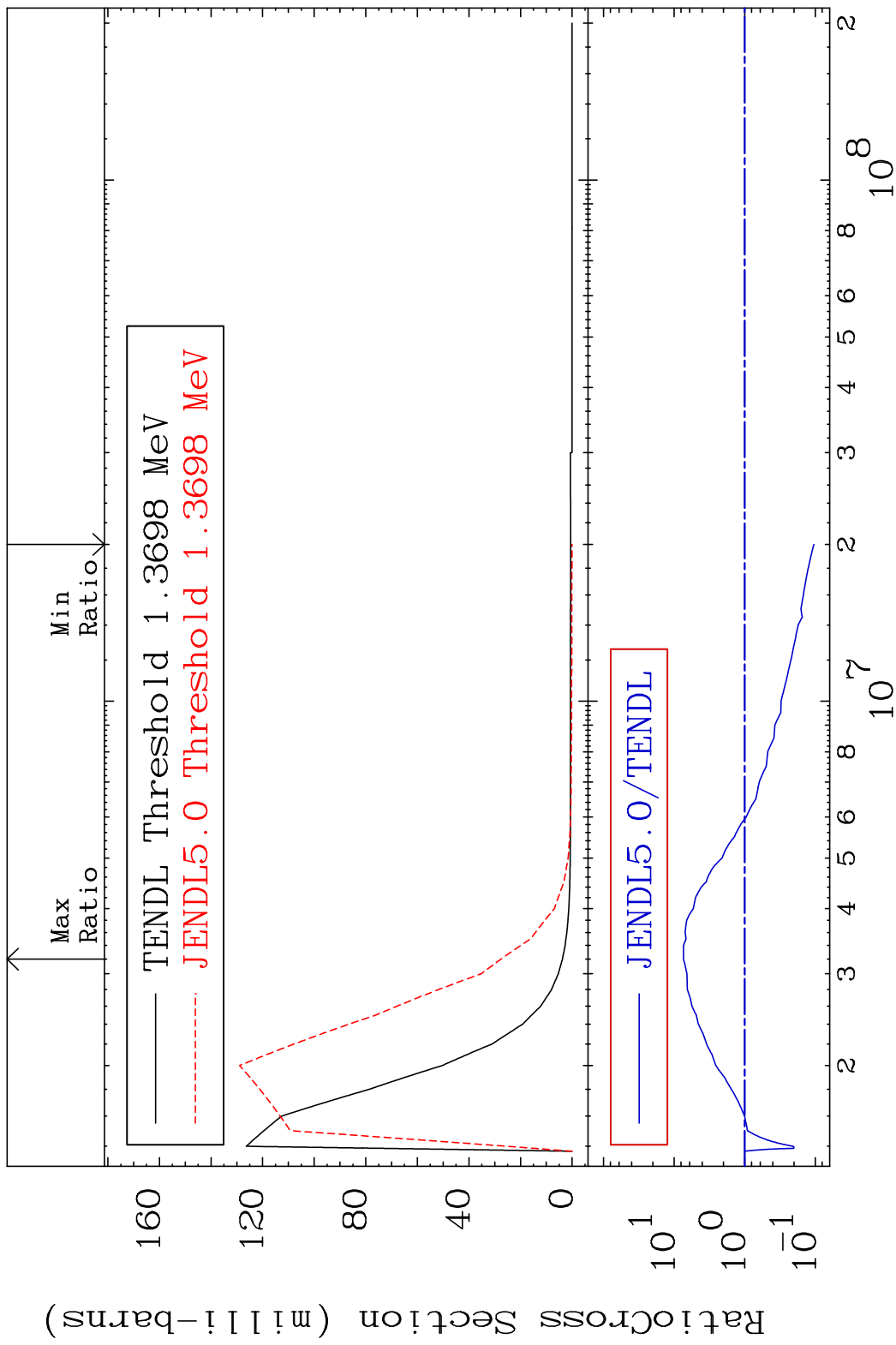


18 Incident Energy (eV) 72-Hf-176

MAT 7231 MT= 61 (n, n') Level 72-Hf-176
 Cross Section -59.24 To 652.5 %

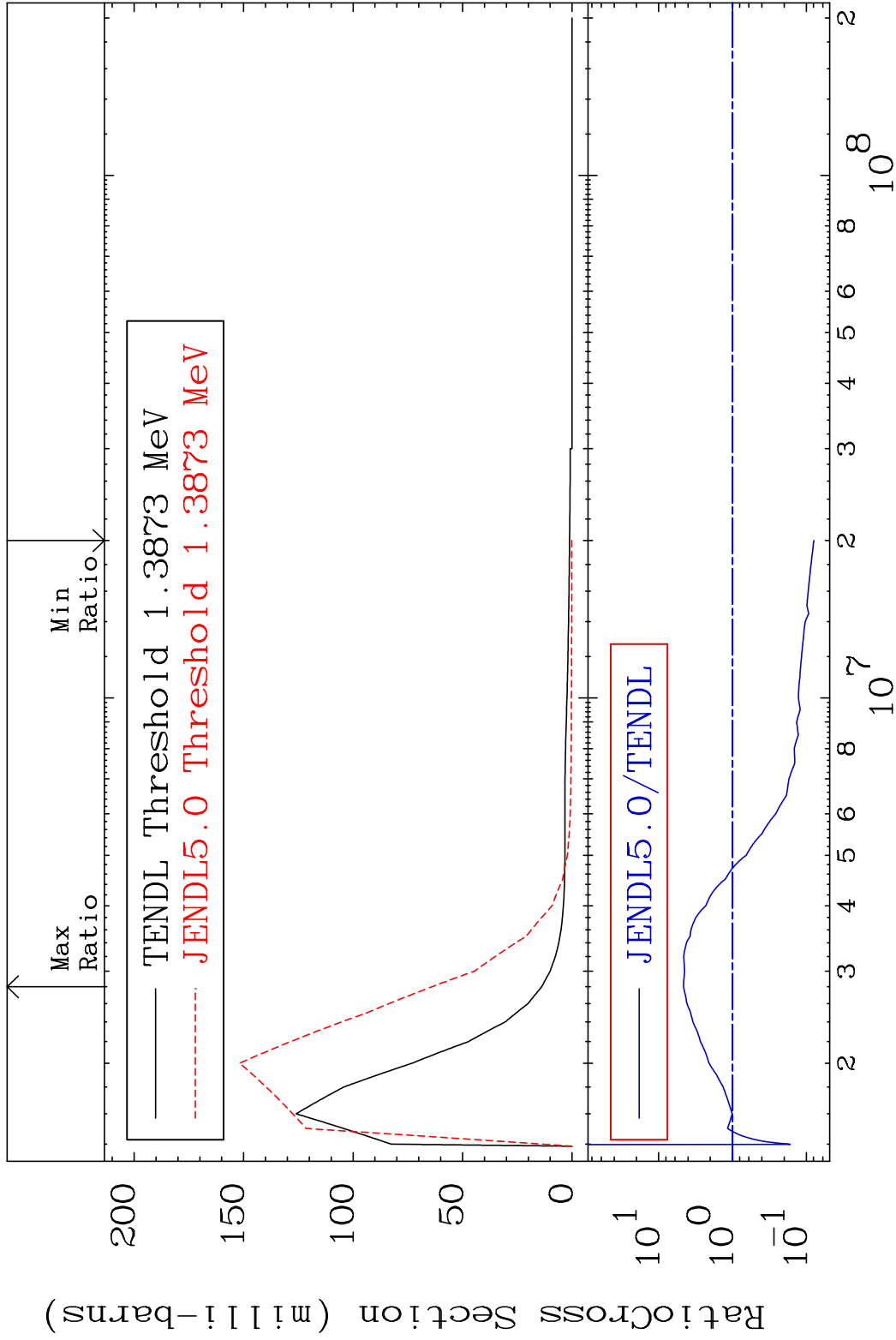


MAT 7231 MT= 62 (n, n') Level 72-Hf-176
 Cross Section -89.54 To 636.5 %

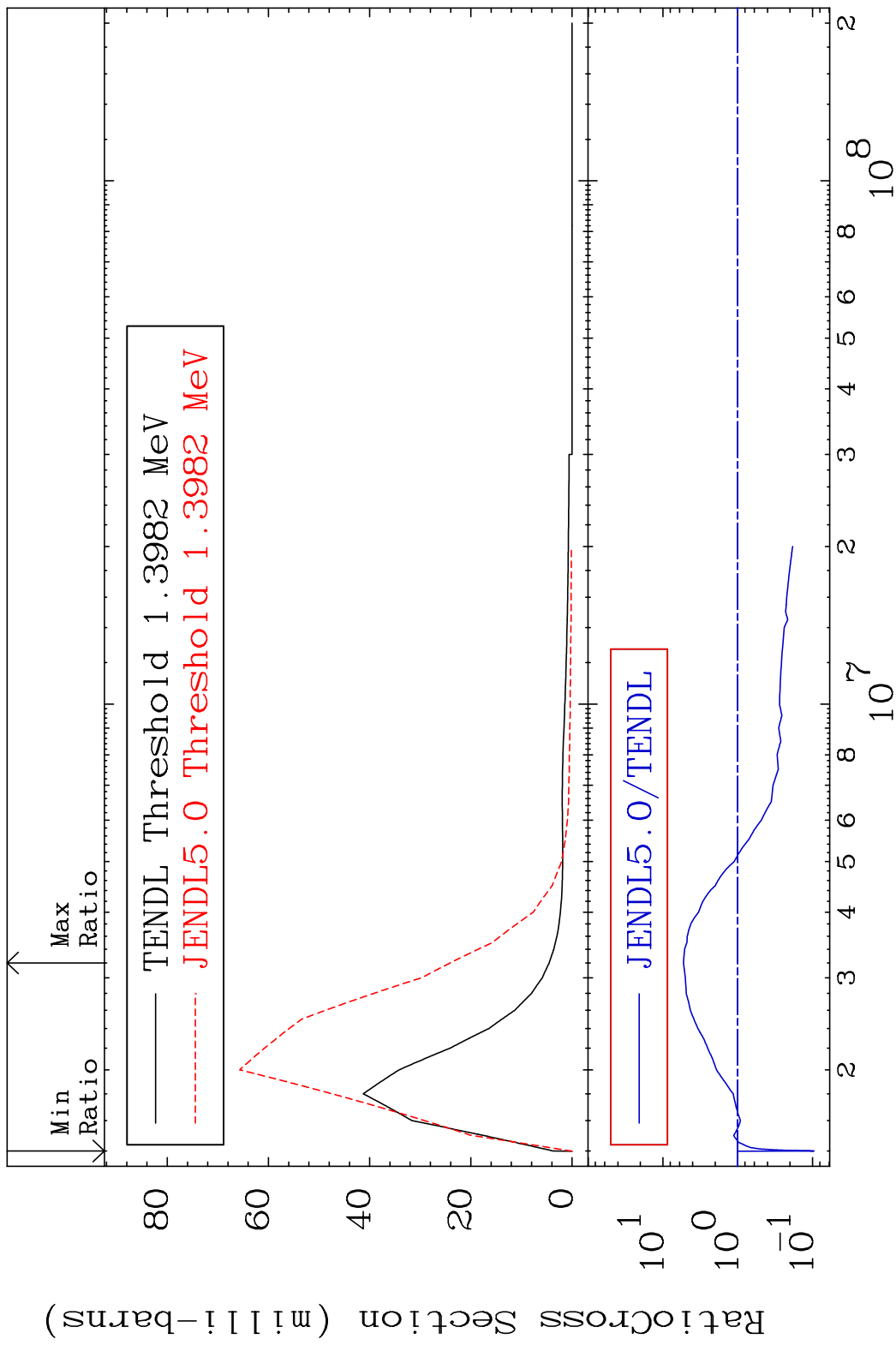


20 Incident Energy (eV) 72-Hf-176

MAT 7231 MT= 63 (n, n') Level 72-Hf-176
 Cross Section -92.08 To 361.8 %

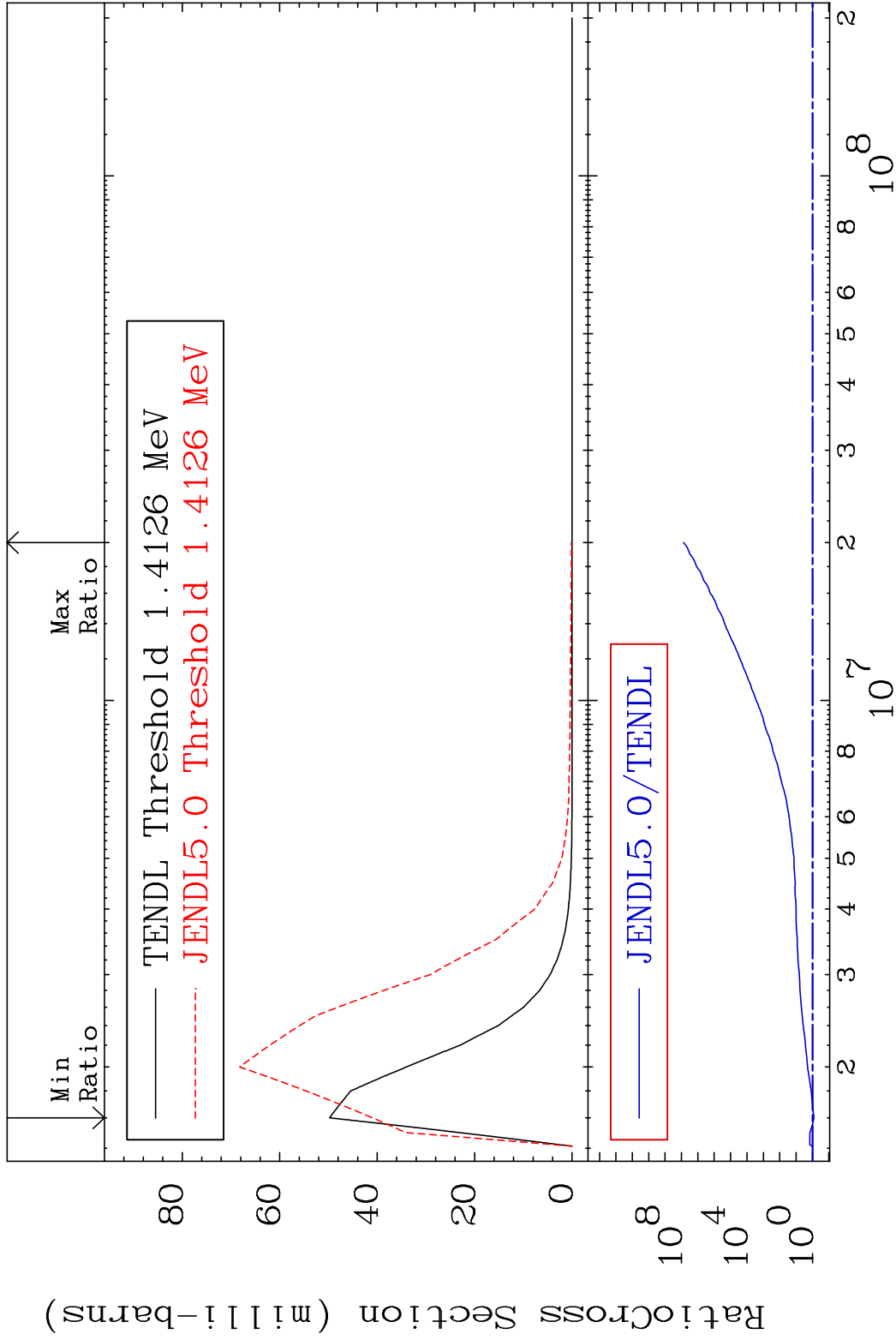


MAT 7231 MT= 64 (n, n') Level 72-Hf-176
 Cross Section -90.40 To 431.6 %

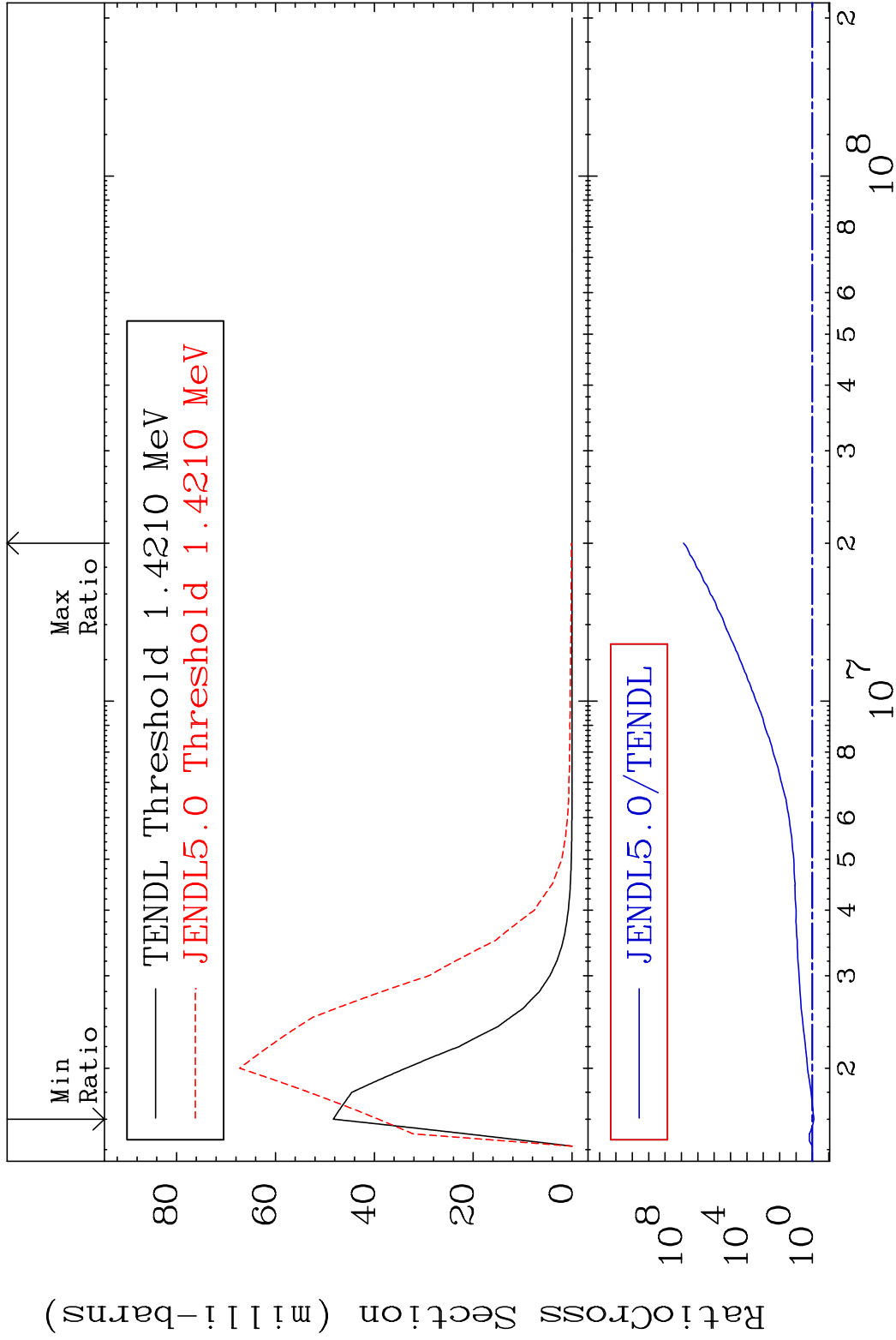


22 Incident Energy (eV) 72-Hf-176

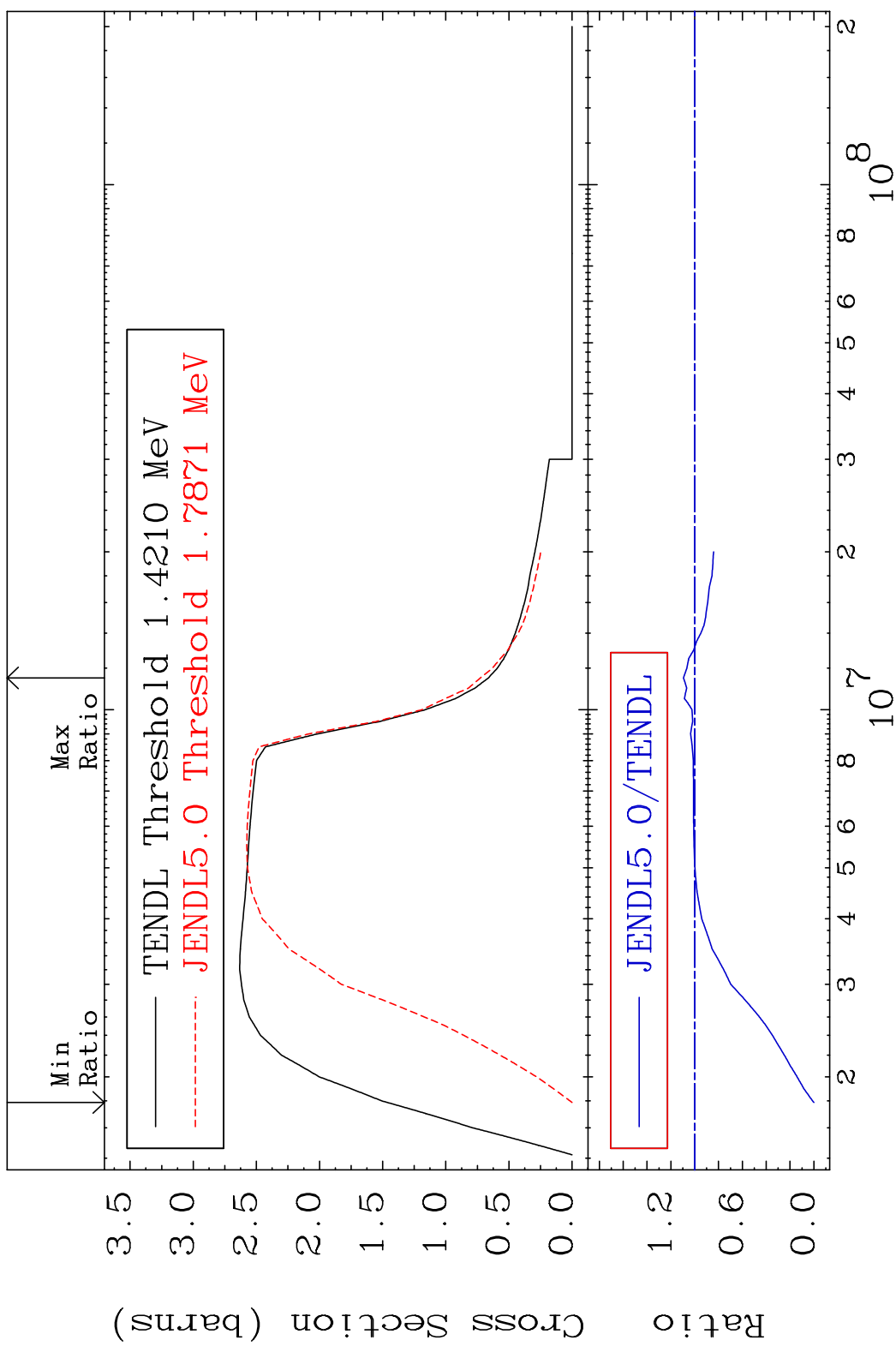
MAT 7231 MT= 65 (n, n') Level 72-Hf-176
 Cross Section -17.67 To 9999. %



MAT 7231 MT= 66 (n, n') Level 72-Hf-176
 Cross Section -18.89 To 9999. %



MAT 7231 (n, n') Continuum 72-Hf-176
 Cross Section -100.0 To 9.450 %

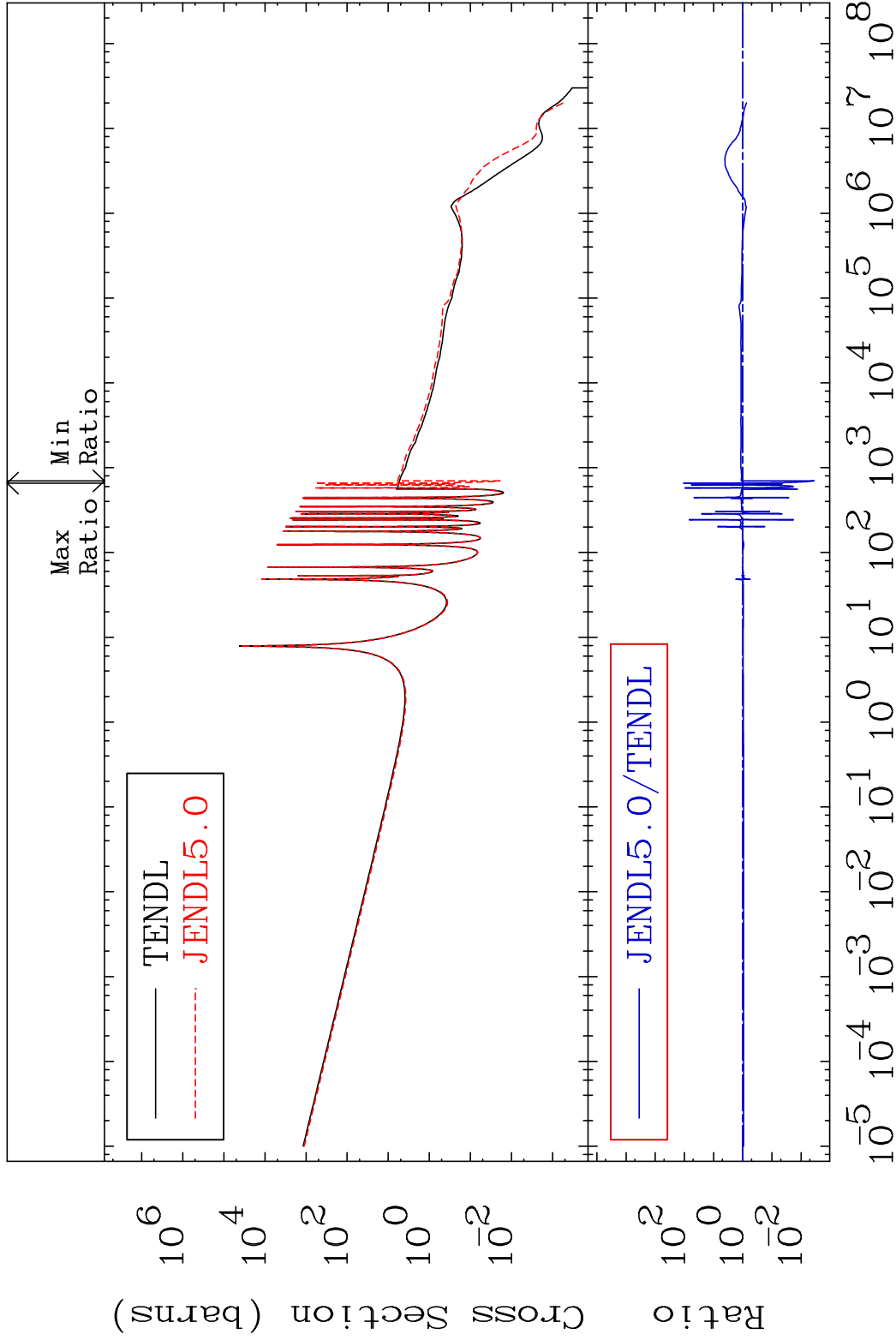


MAT 7231

(n, γ)

72-Hf-176

Cross Section -99.64 To 9999. %



26

Incident Energy (eV)

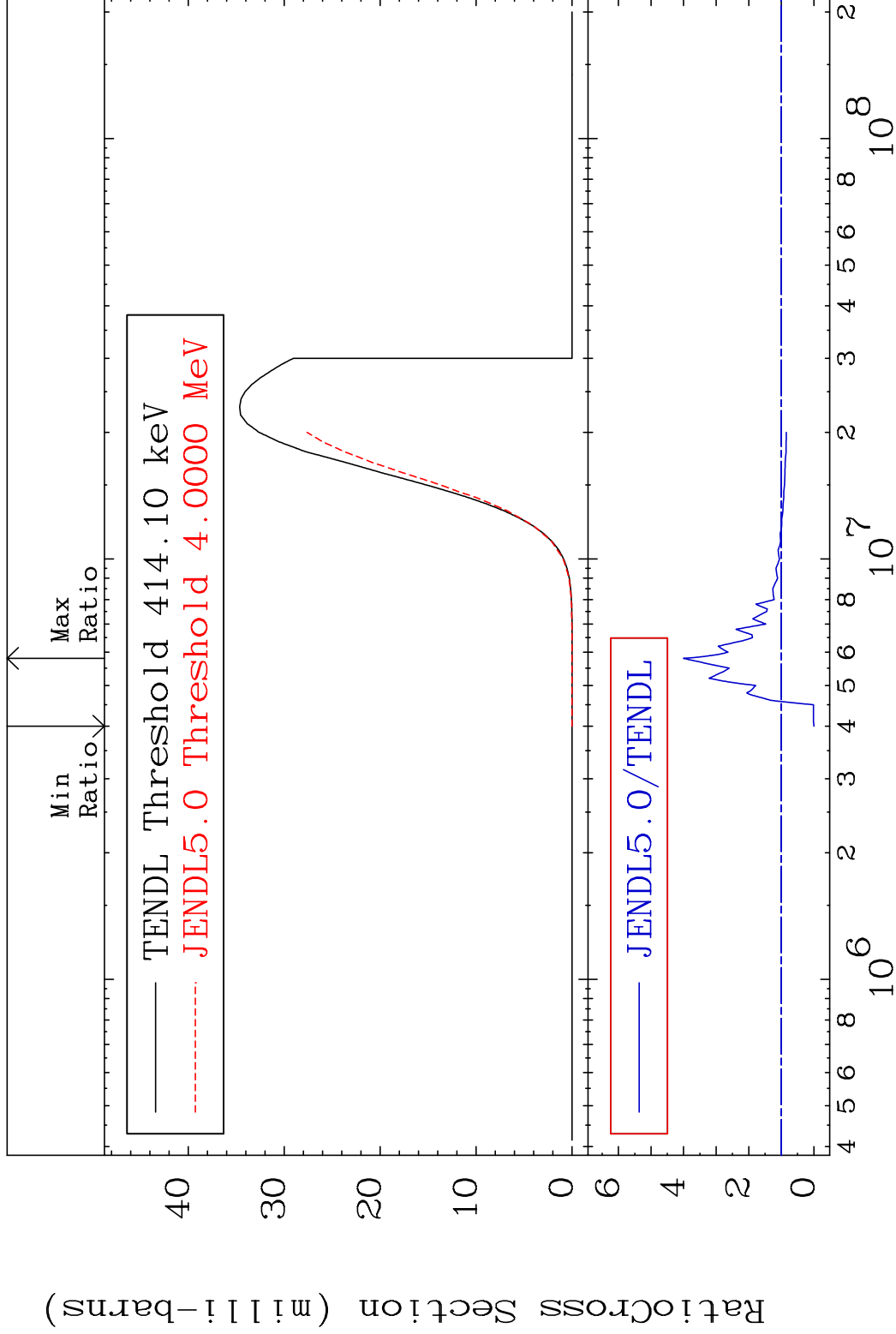
72-Hf-176

MAT 7231

(n, p)

72-Hf-176

Cross Section -100.0 To 300.4 %



27

Incident Energy (eV)

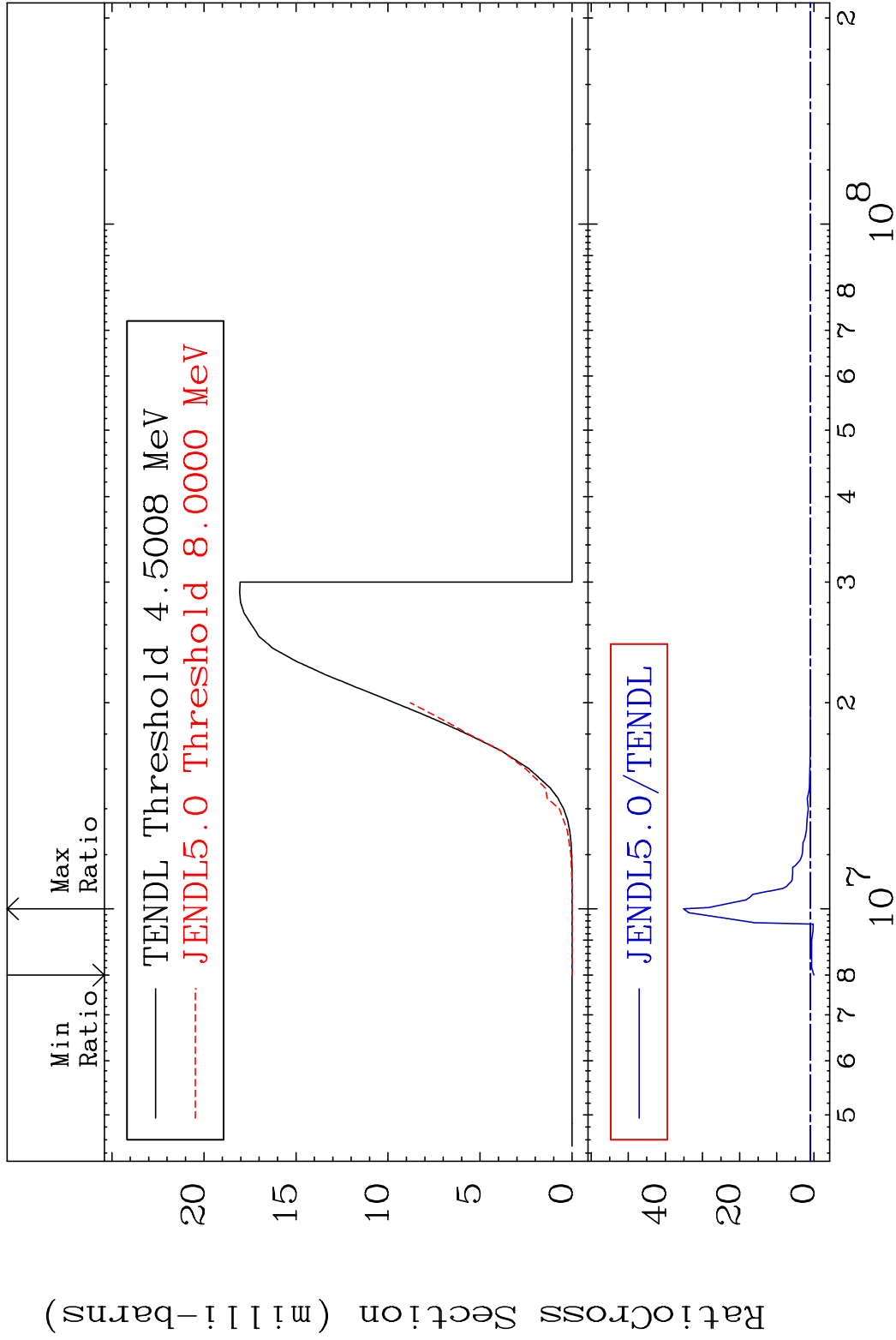
72-Hf-176

MAT 7231

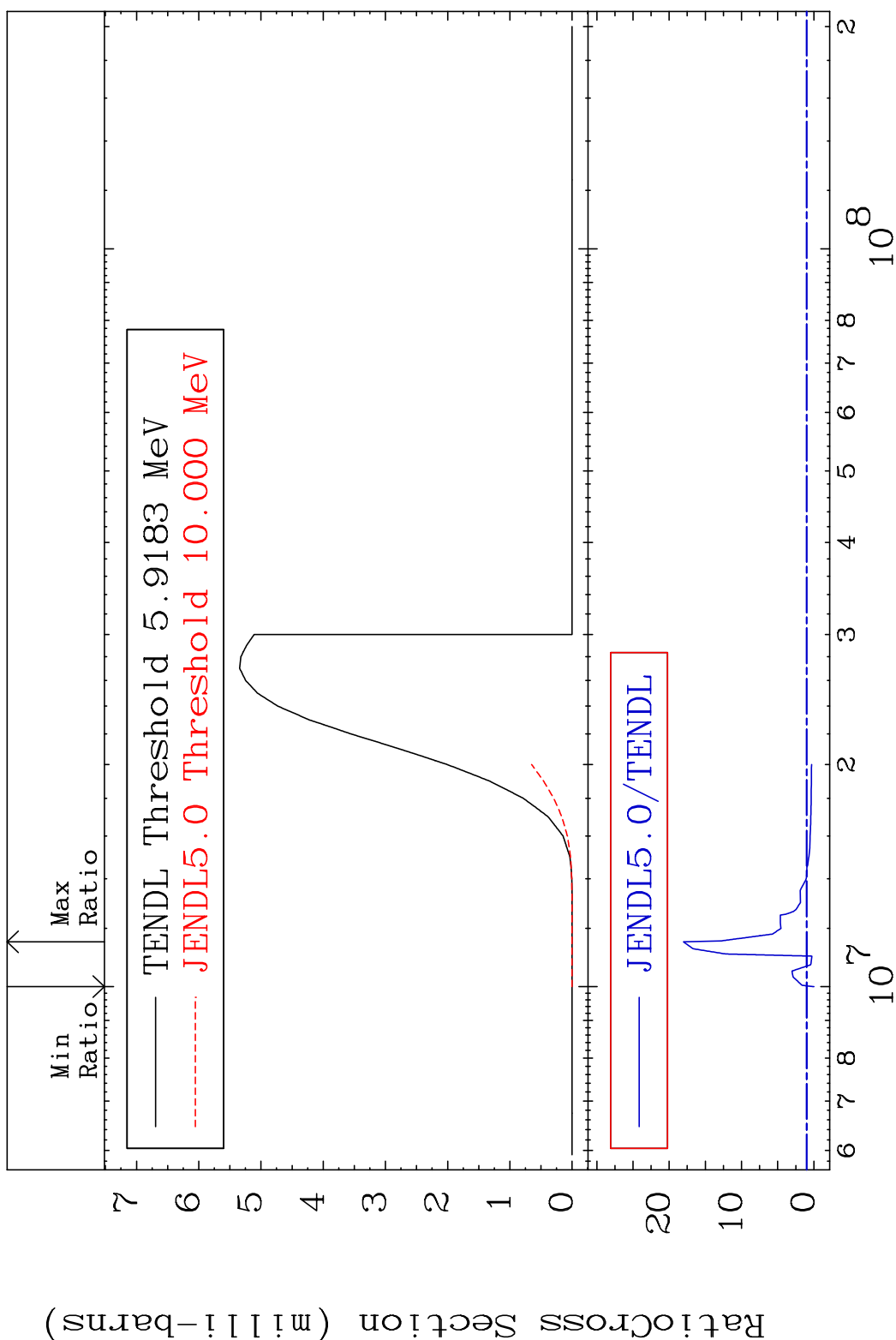
(n, d)

72-Hf-176

Cross Section -100.0 To 3413. %



MAT 7231 (n, t) 72-Hf-176
 Cross Section -100.0 To 1703. %

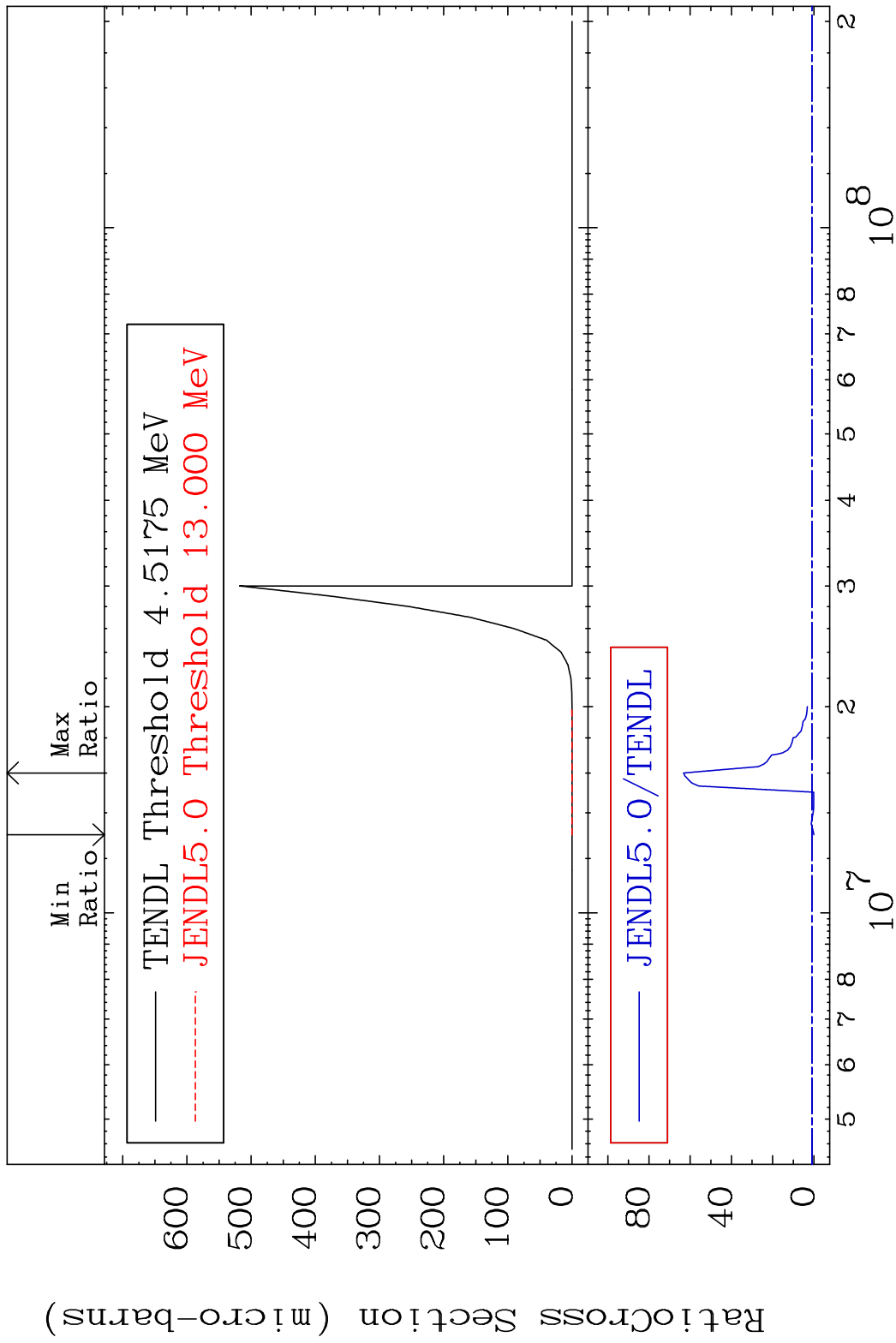


MAT 7231

(n, He-3)

72-Hf-176

Cross Section -100.0 To 6228. %



30

Incident Energy (eV)

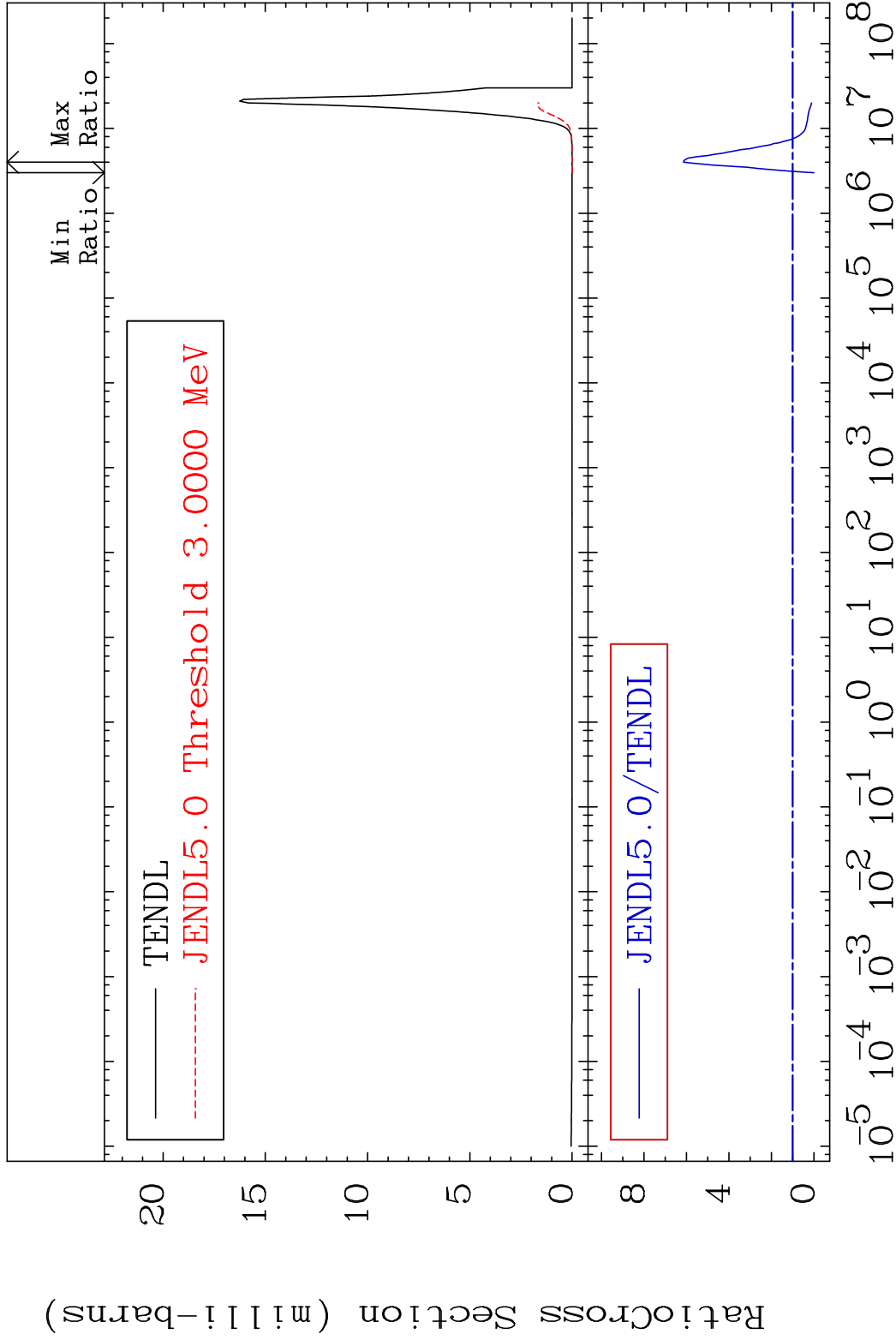
72-Hf-176

MAT 7231

(n, α)

72-Hf-176

Cross Section -100.0 To 513.8 %



31

Incident Energy (eV)

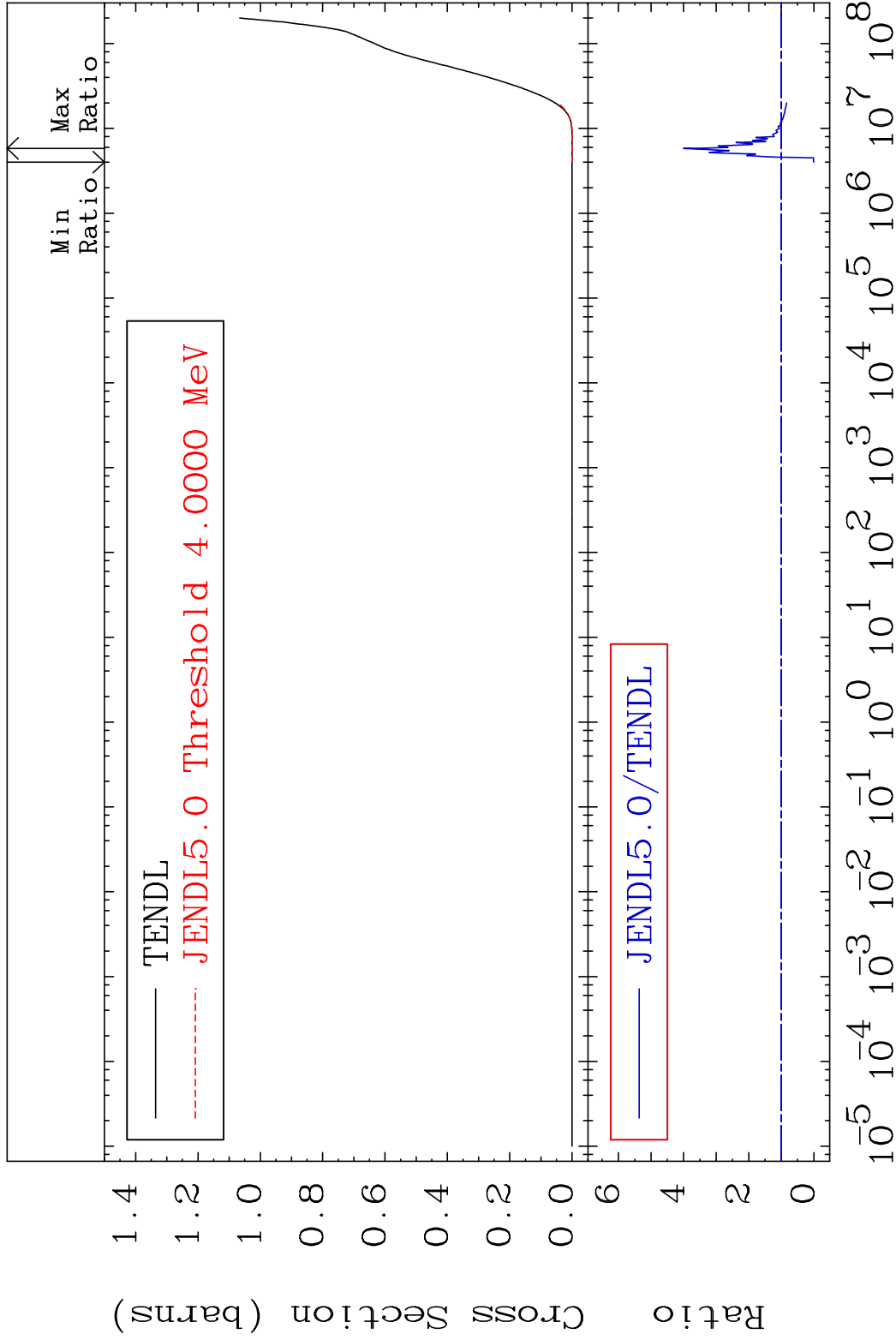
72-Hf-176

MAT 7231

Hydrogen Production

72-Hf-176

Cross Section -100.0 To 300.4 %

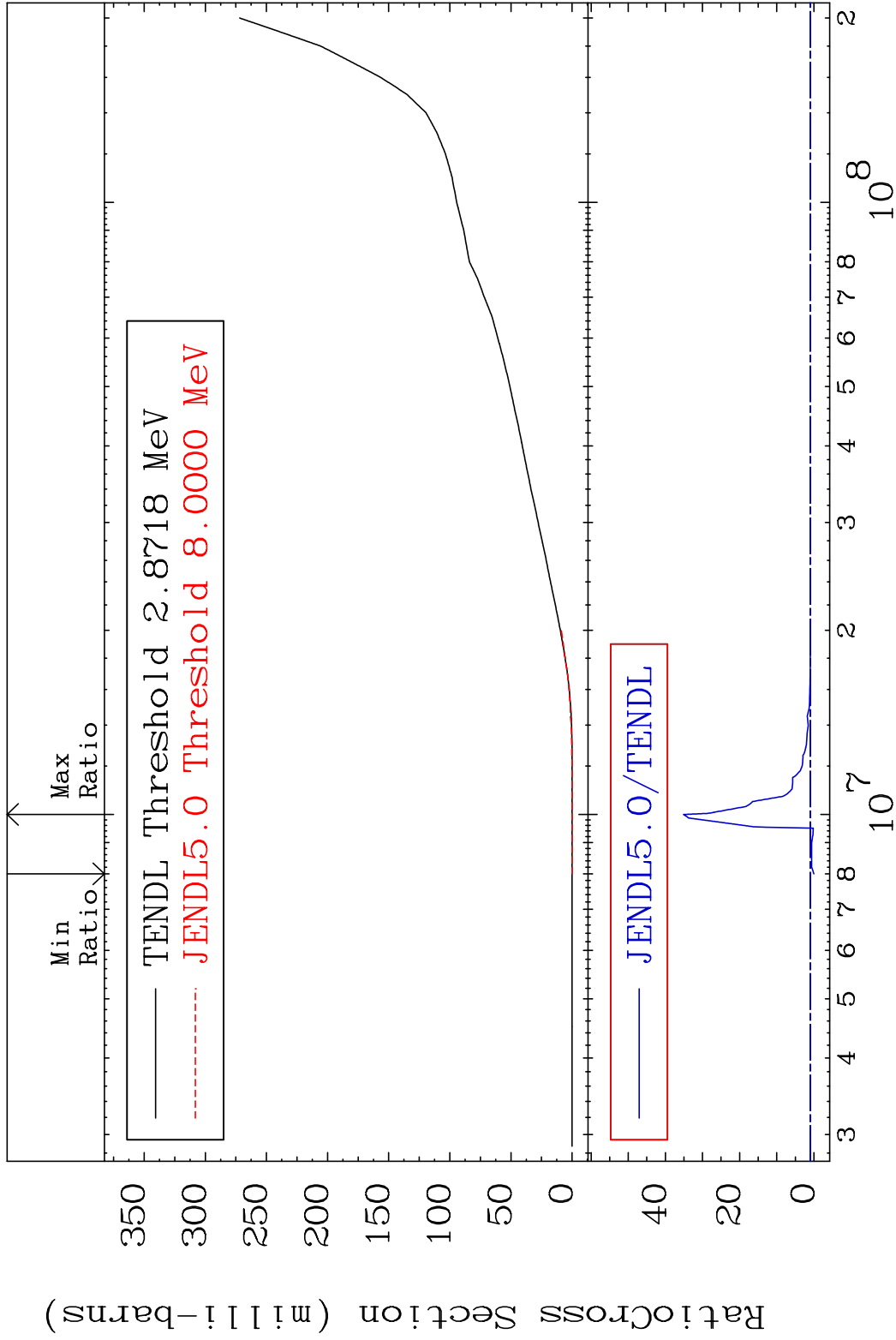


32

Incident Energy (eV)

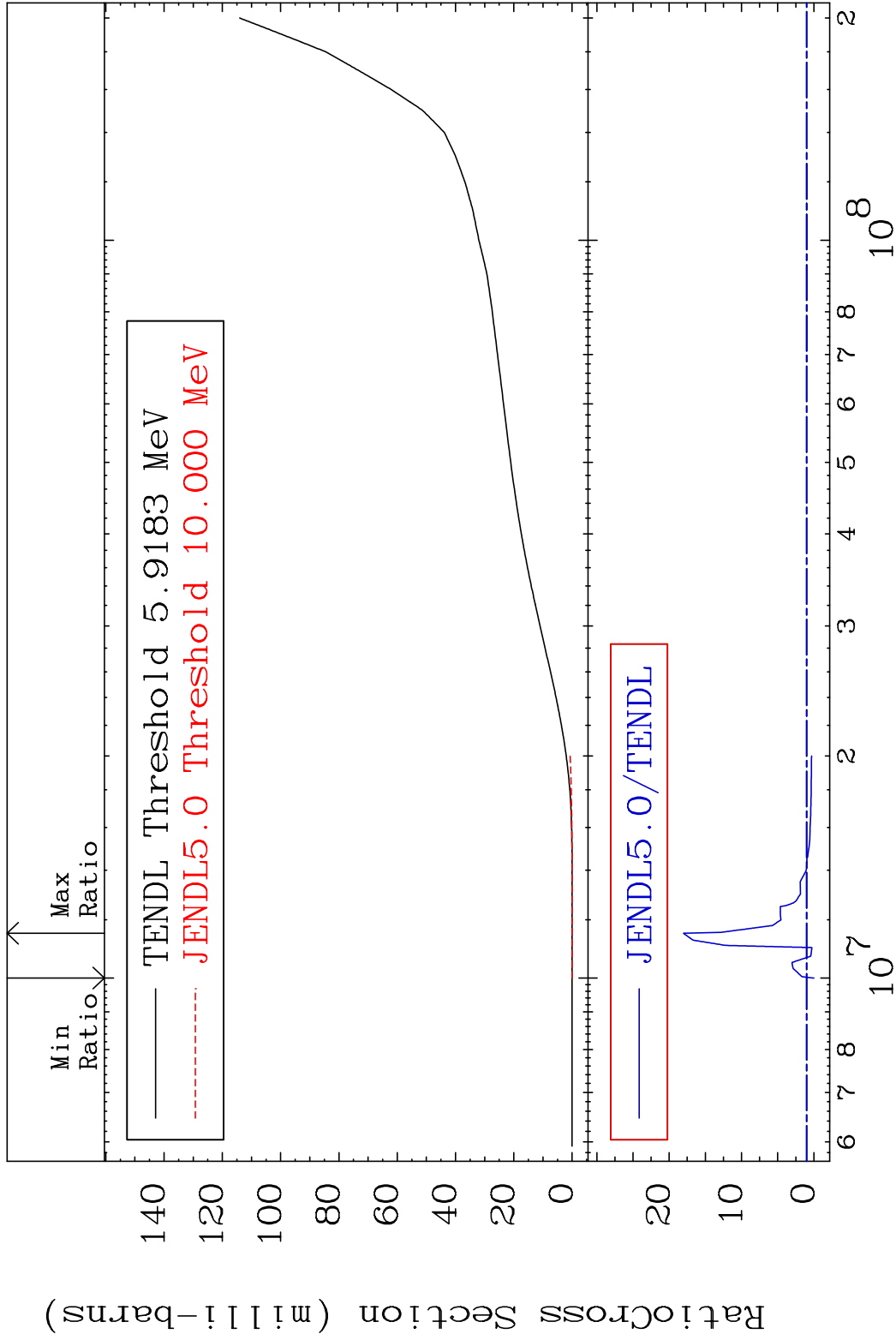
72-Hf-176

MAT 7231 Deuterium Production 72-Hf-176
 Cross Section -100.0 To 3413. %



33 72-Hf-176

MAT 7231 Tritium Production 72-Hf-176
 Cross Section -100.0 To 1703. %



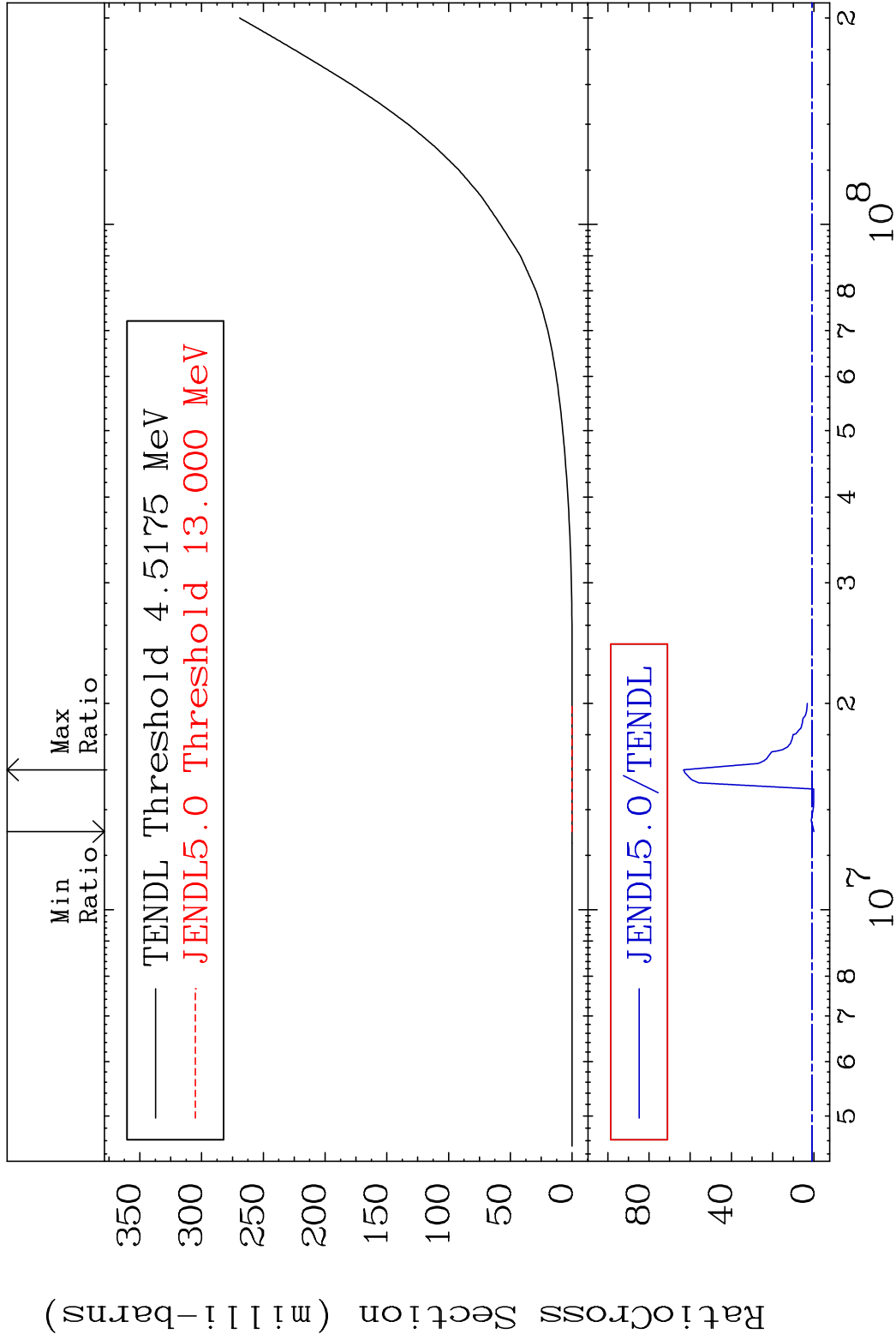
34 Incident Energy (eV) 72-Hf-176

MAT 7231

He-3 Production

72-Hf-176

Cross Section -100.0 To 6228. %



35

Incident Energy (eV)

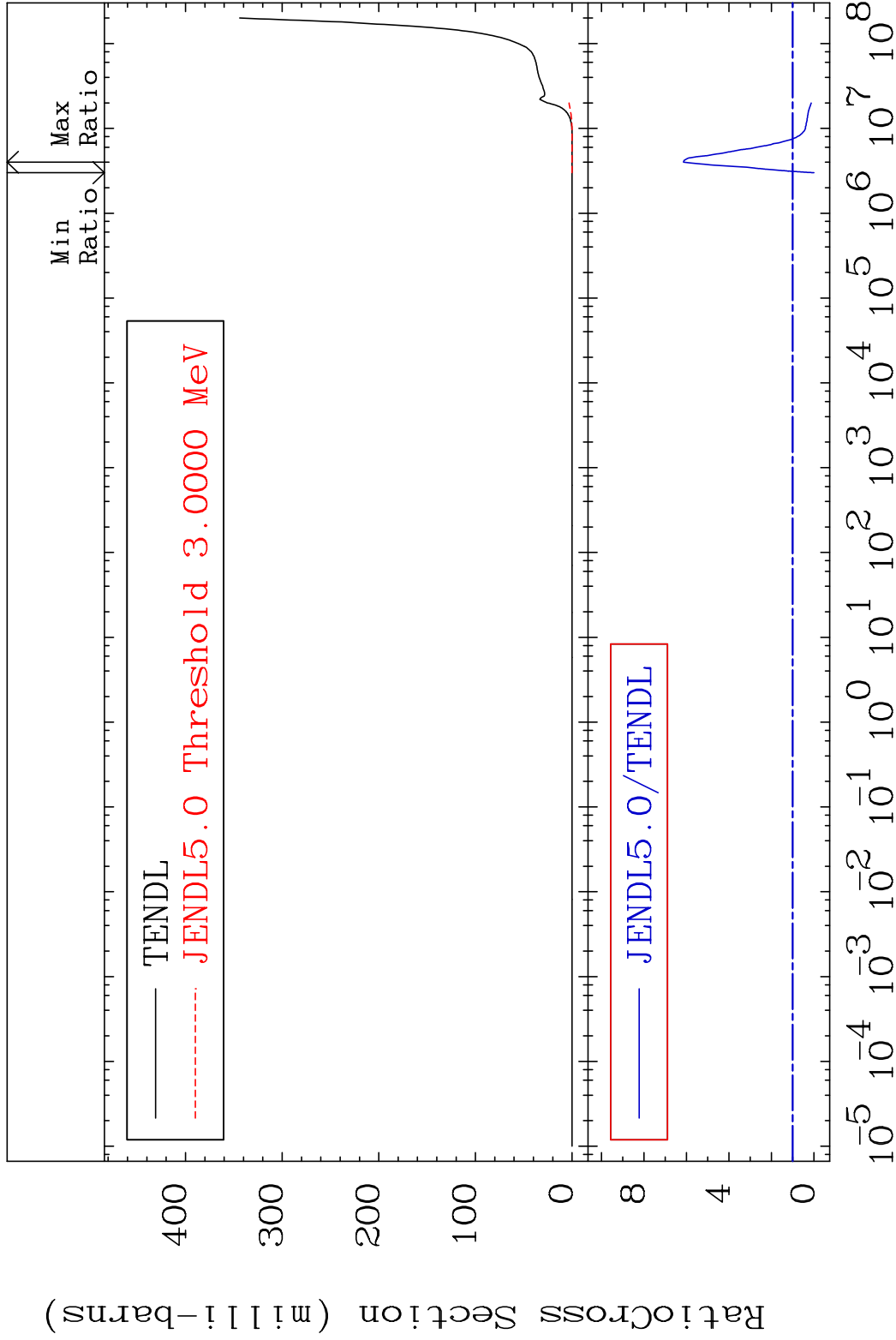
72-Hf-176

MAT 7231

He-4 Production

72-Hf-176

Cross Section -100.0 To 513.8 %

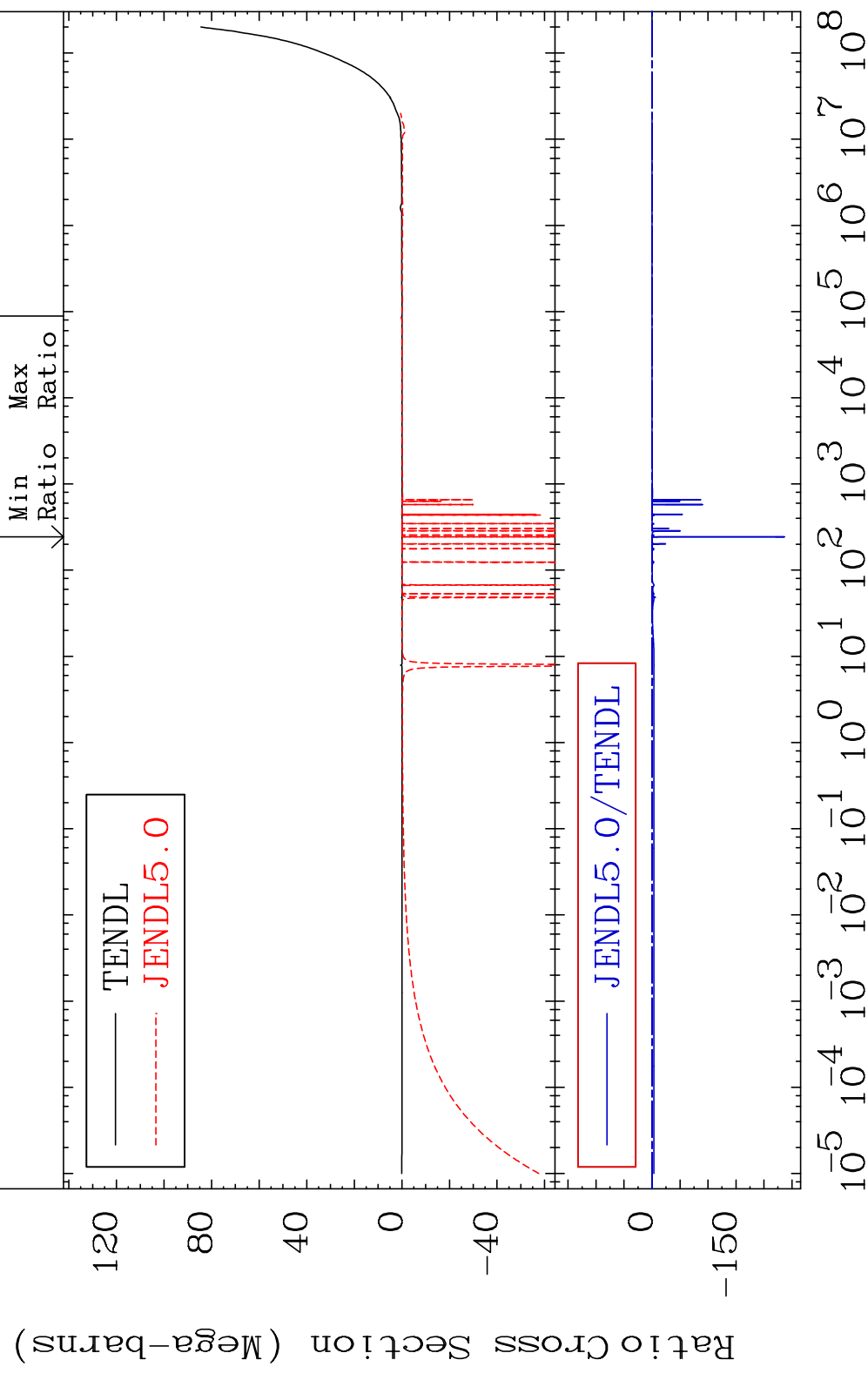


36

Incident Energy (eV)

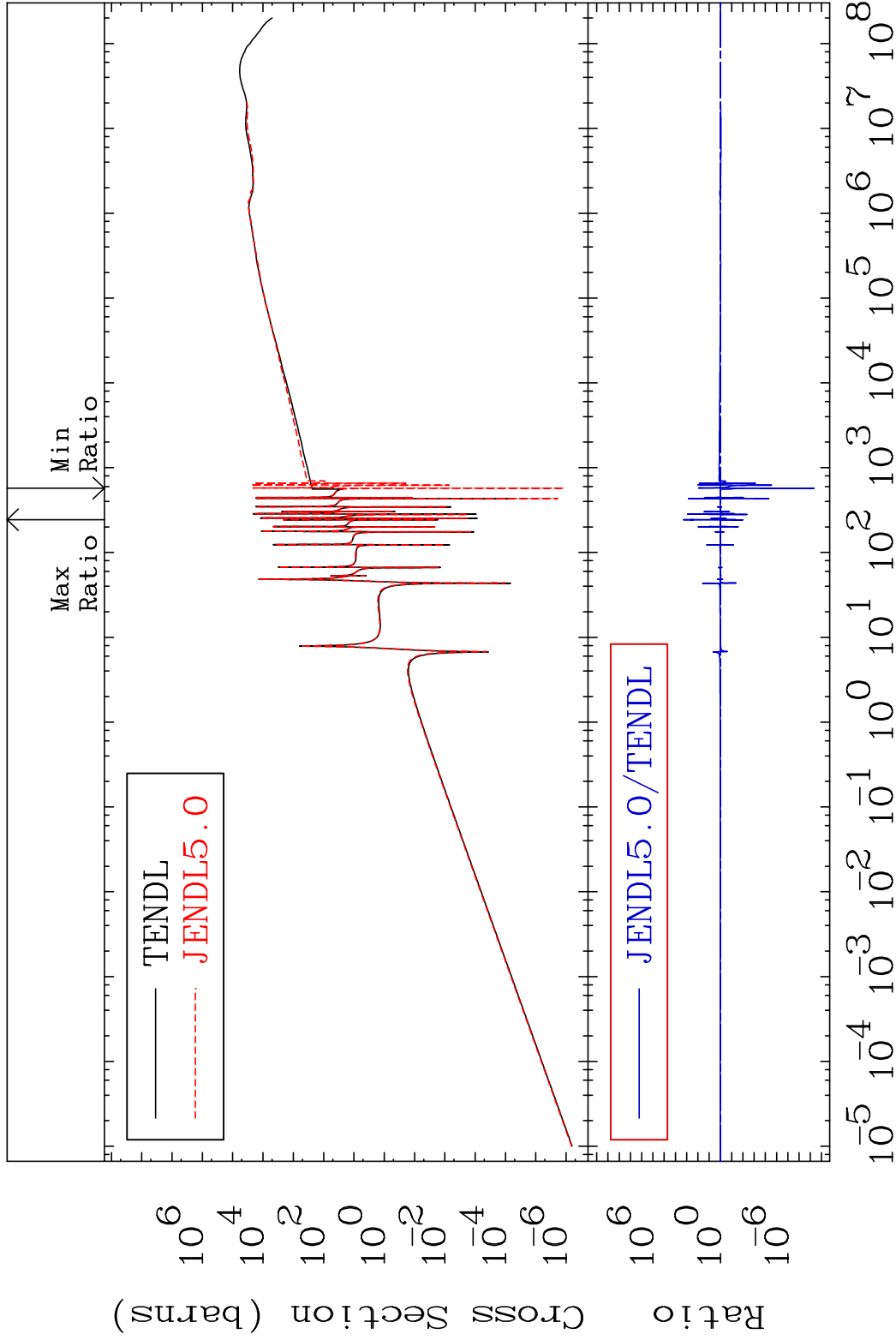
72-Hf-176

MAT 7231 Kerma total (eV-barns) 72-Hf-176
 Cross Section -9999. To 5622. %



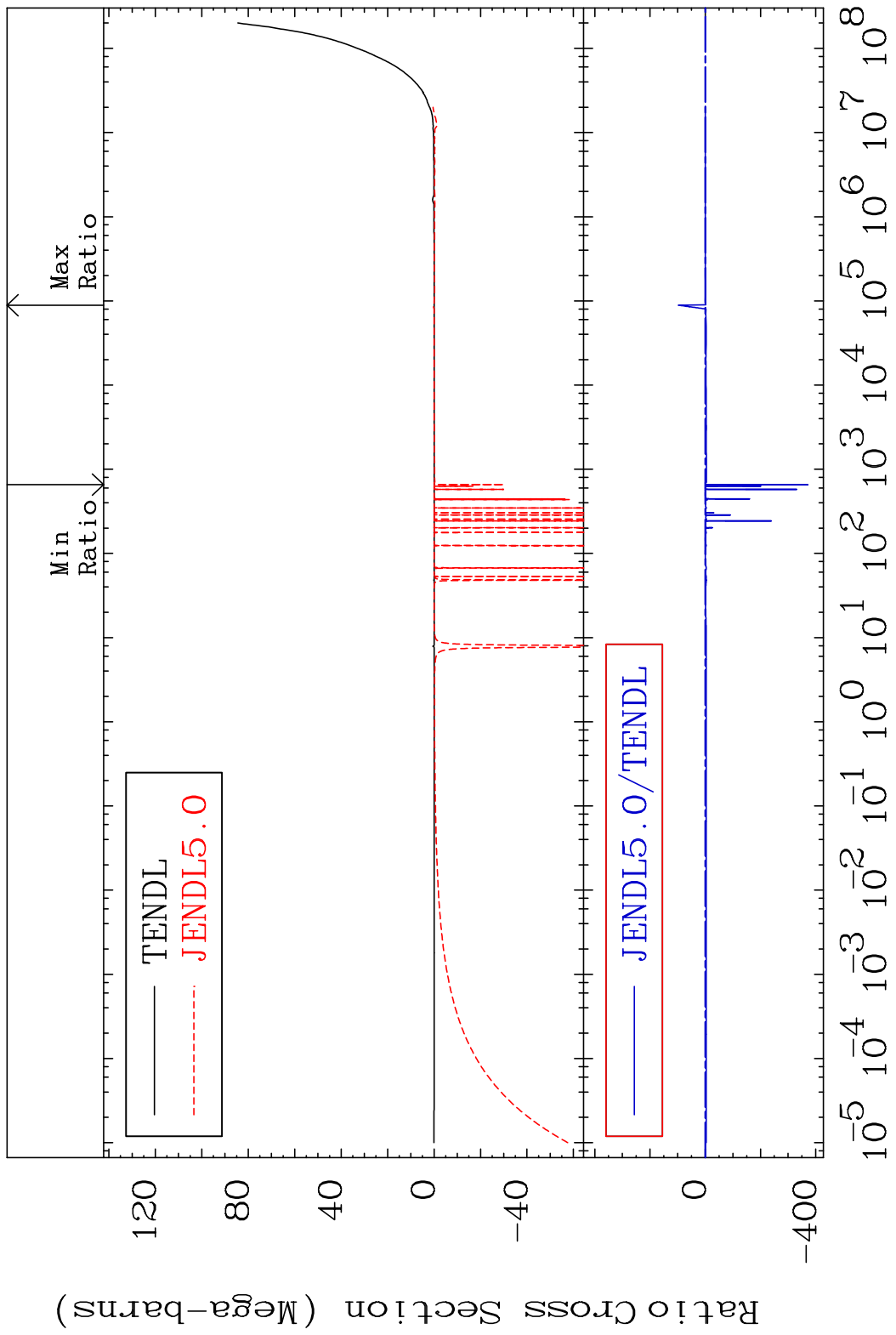
37 Incident Energy (eV) 72-Hf-176

MAT 7231 Kerma elastic Cross Section -100.0 To 9999. % 72-Hf-176



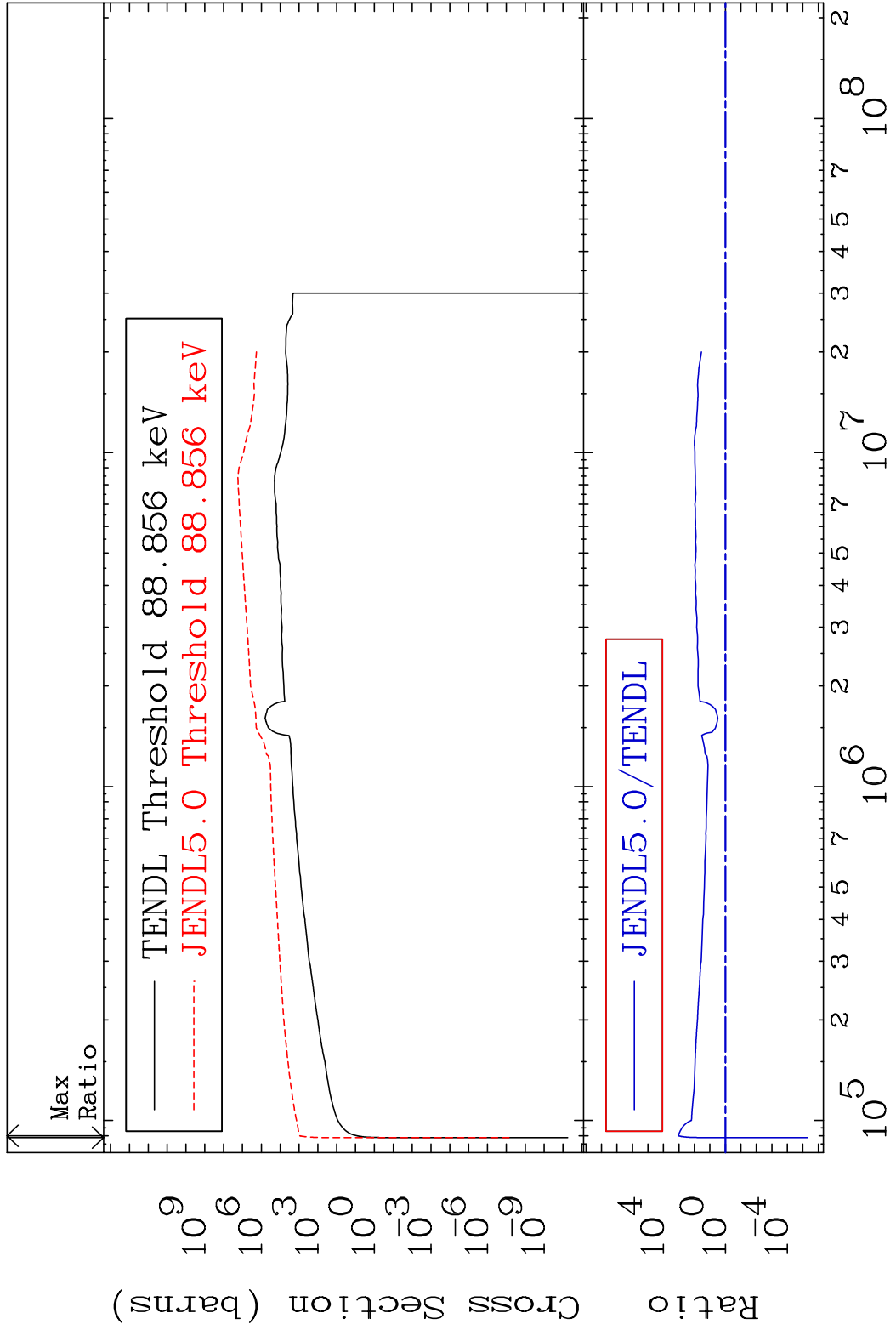
38 Incident Energy (eV) 72-Hf-176

MAT 7231 Kerma non-elastic (all but mt2) 72-Hf-176
 Cross Section -9999. To 9999. %



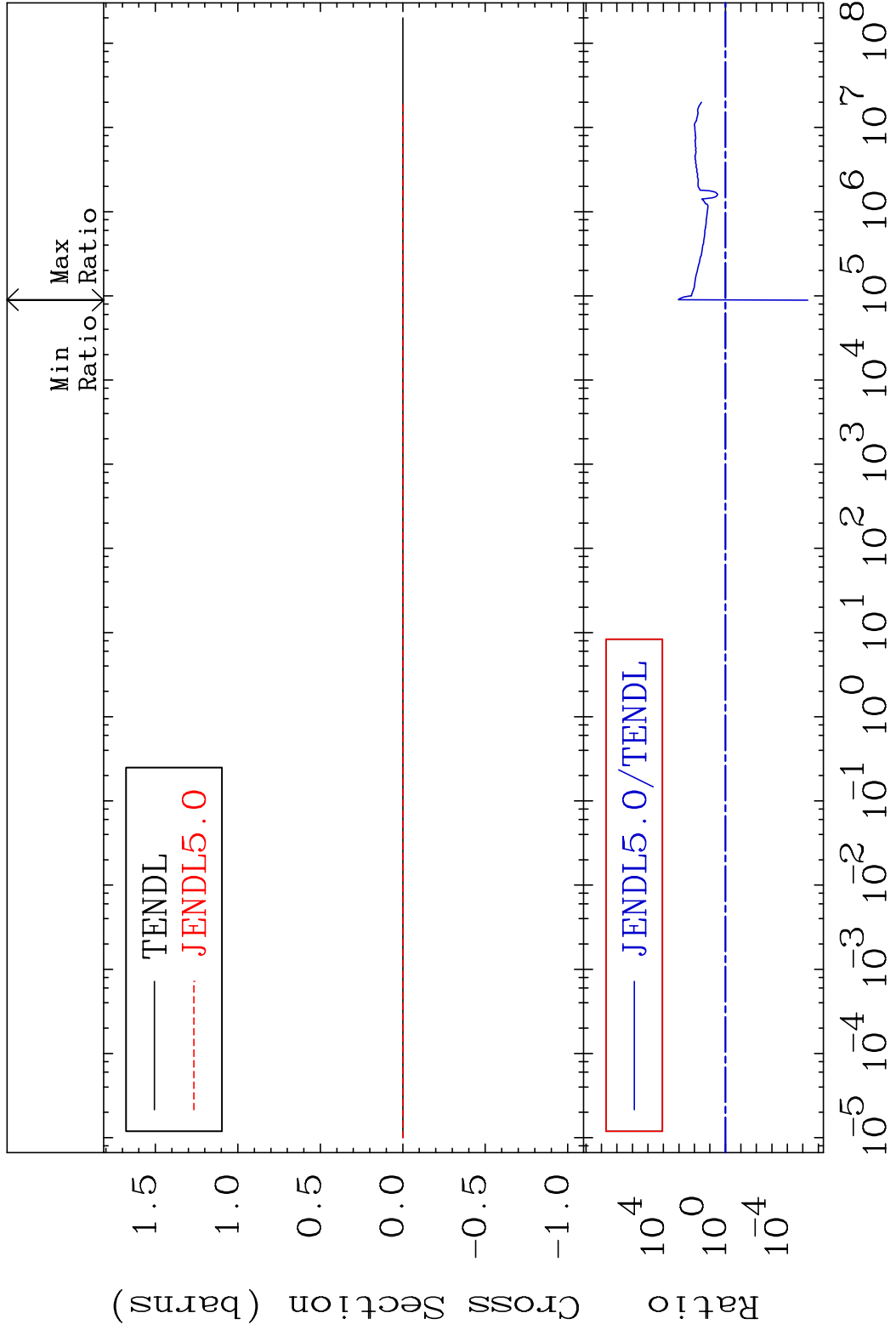
39 Incident Energy (eV) 72-Hf-176

MAT 7231 Kerma inelastic (mt51-91) 72-Hf-176
 Cross Section -100.0 To 9999. %

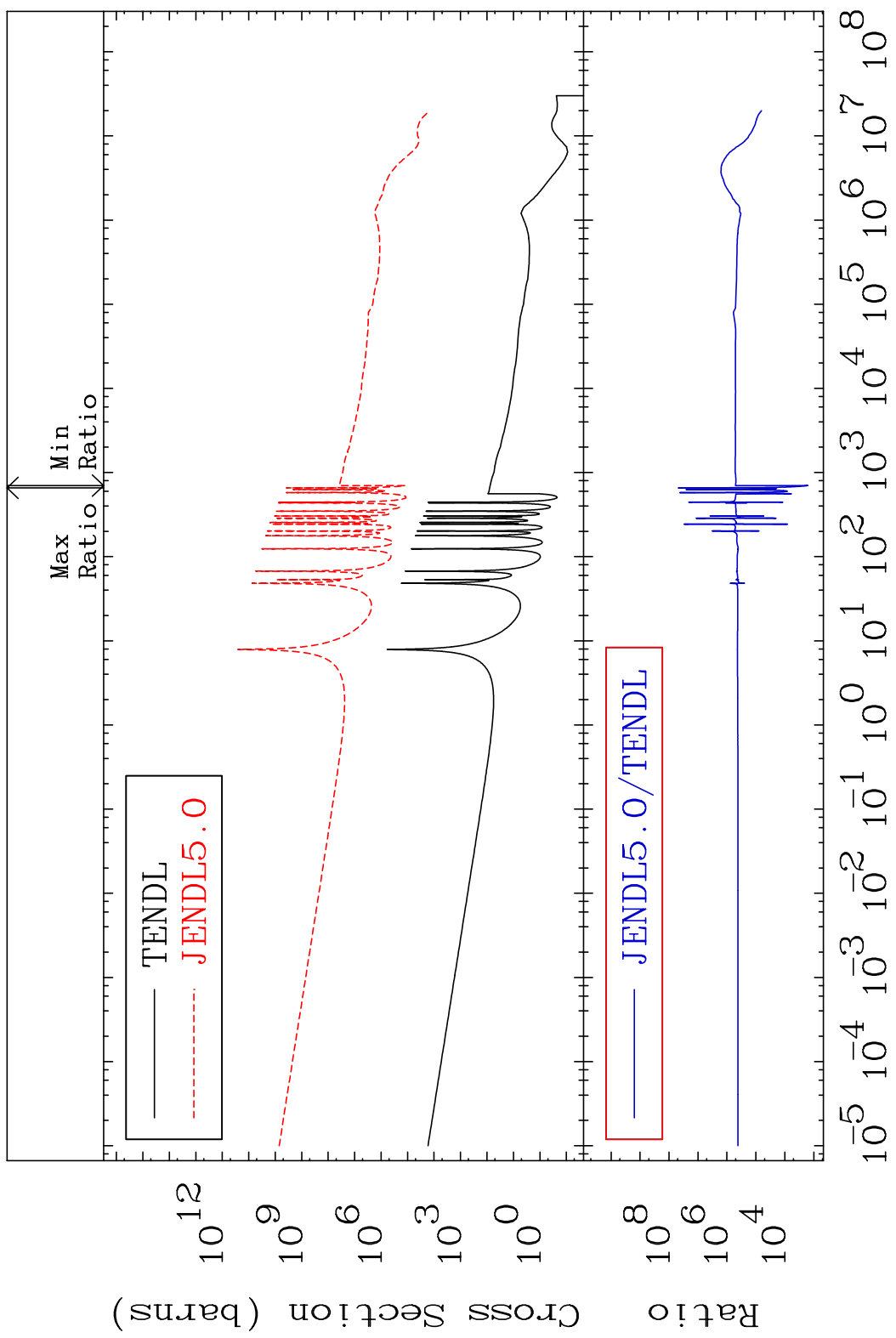


40 Incident Energy (eV) 72-Hf-176

MAT 7231 Kerma fission (mt18 or mt19-20-21-38)72-Hf-176
 Cross Section -100.0 To 9999. %

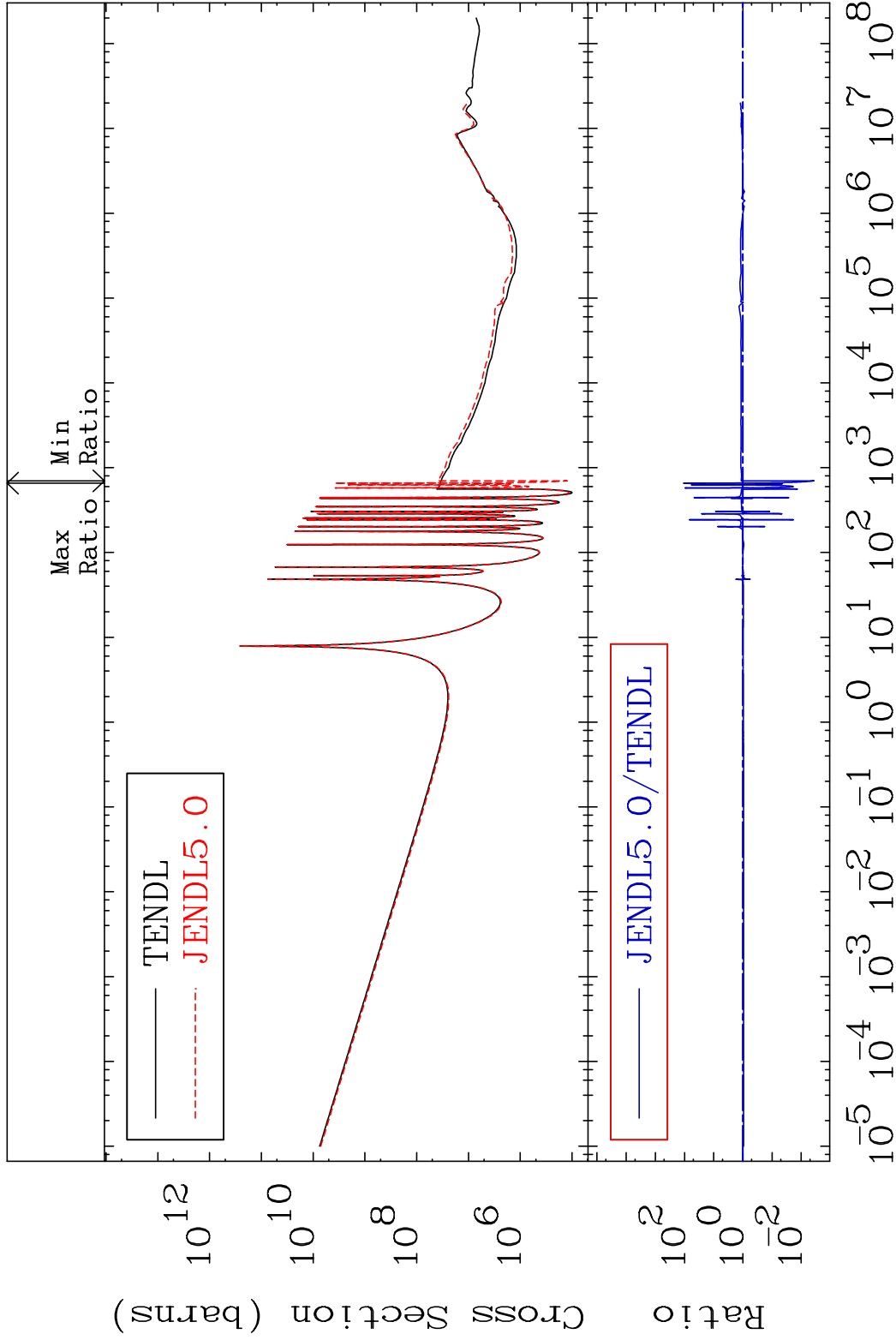


MAT 7231 Kerma capture (mt102) 72-Hf-176
 Cross Section 9999. To 9999. %



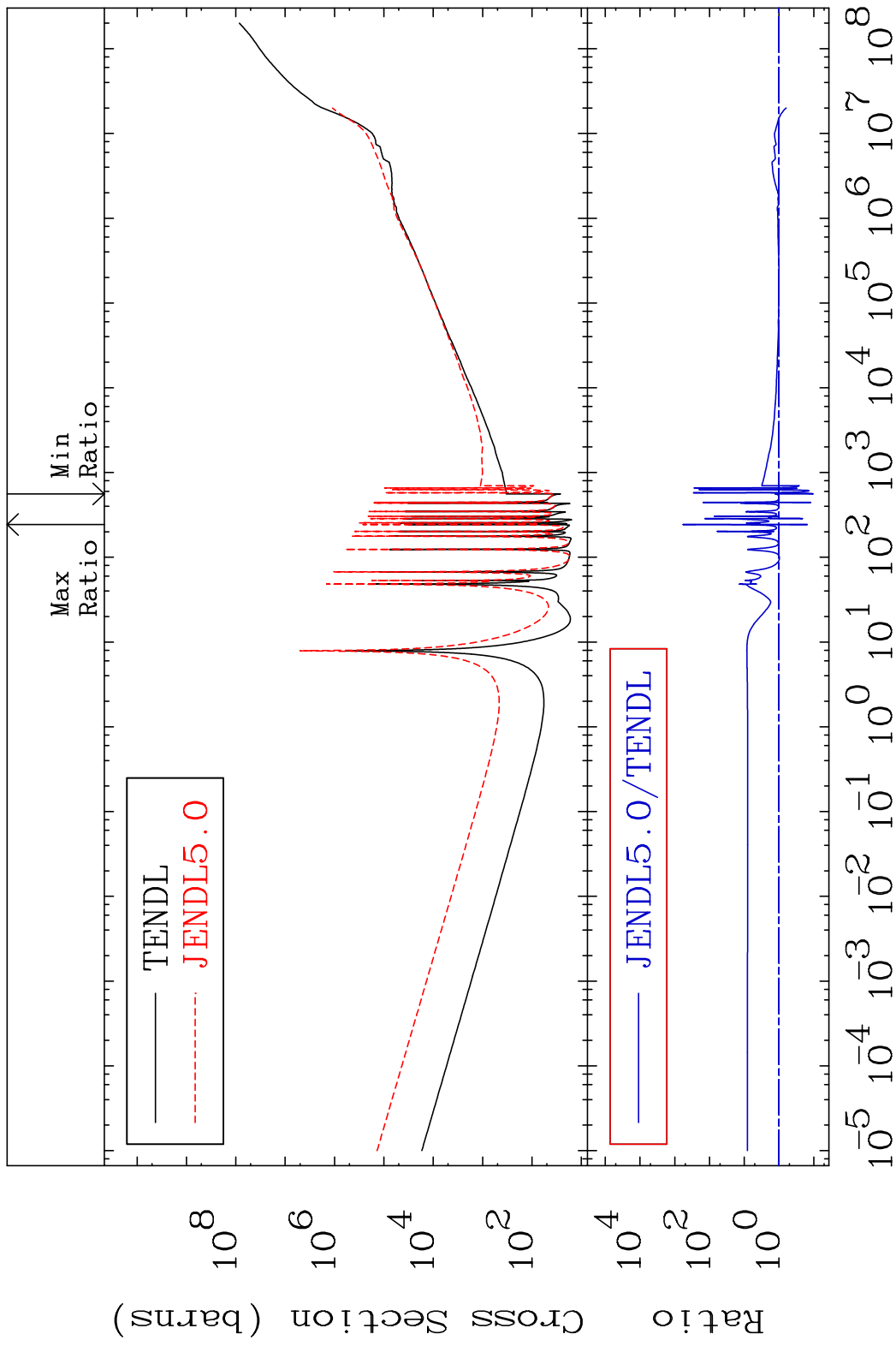
42 Incident Energy (eV) 72-Hf-176

MAT 7231 Total photon (eV-barns) 72-Hf-176
 Cross Section -99.63 To 9999. %

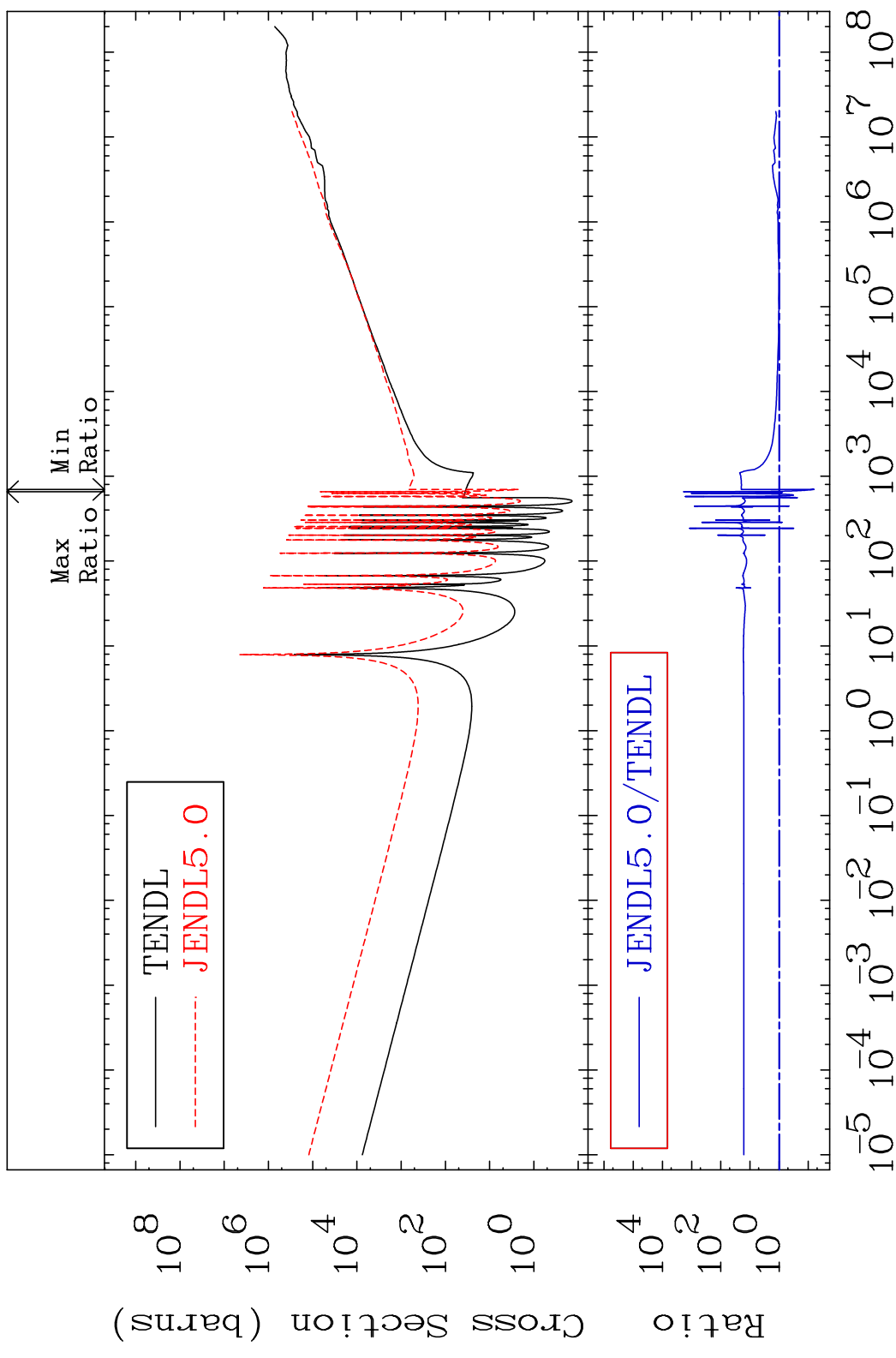


43 Incident Energy (eV) 72-Hf-176

MAT 7231 Total kinematic kerma (high limit) 72-Hf-176
 Cross Section -89.58 To 9999. %



MAT 7231 Dpa total (eV-barns) 72-Hf-176
 Cross Section -93.55 To 9999. %



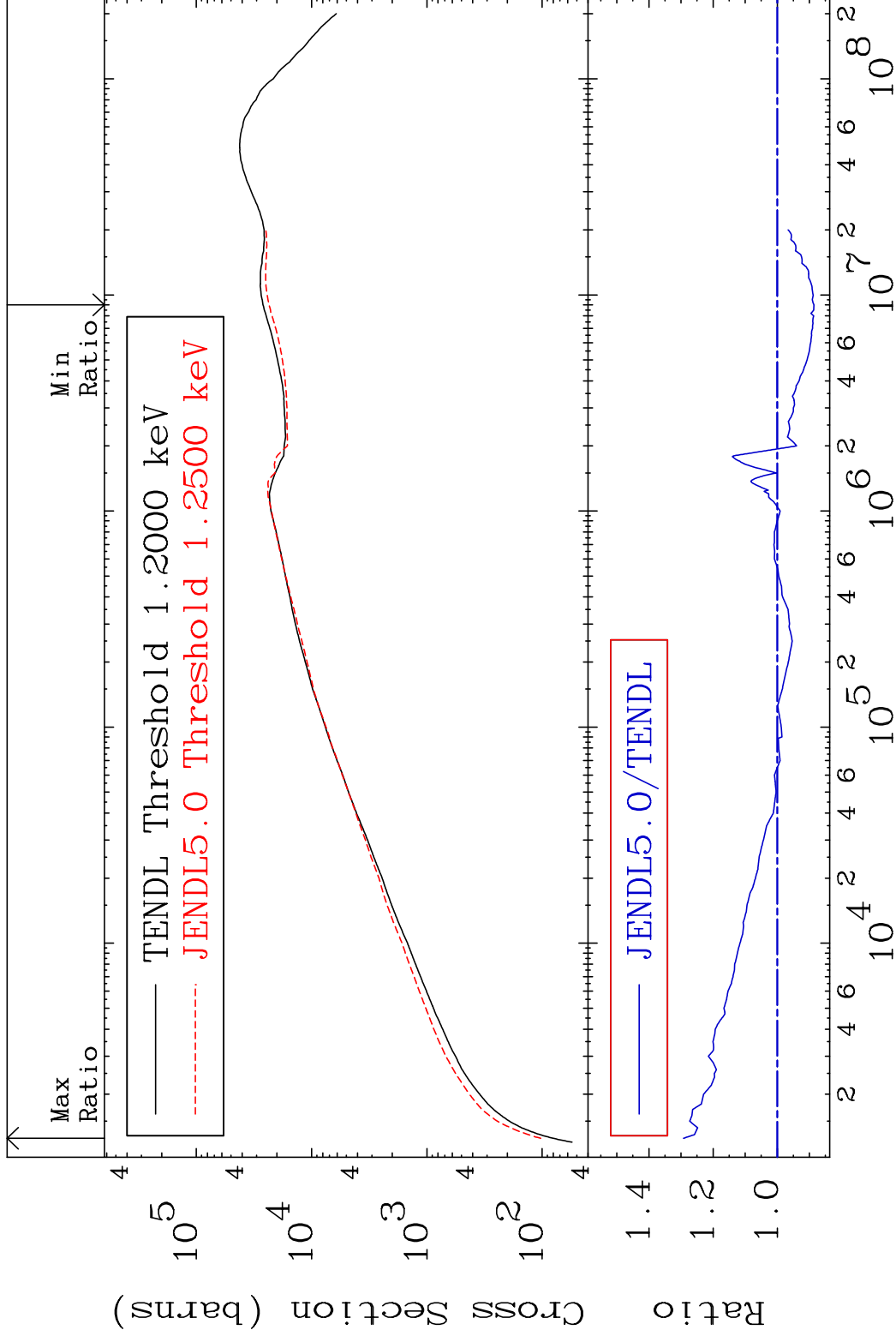
45 Incident Energy (eV) 72-Hf-176

MAT 7231

Dpa elastic (mt2)

72-Hf-176

Cross Section -11.41 To 29.23 %

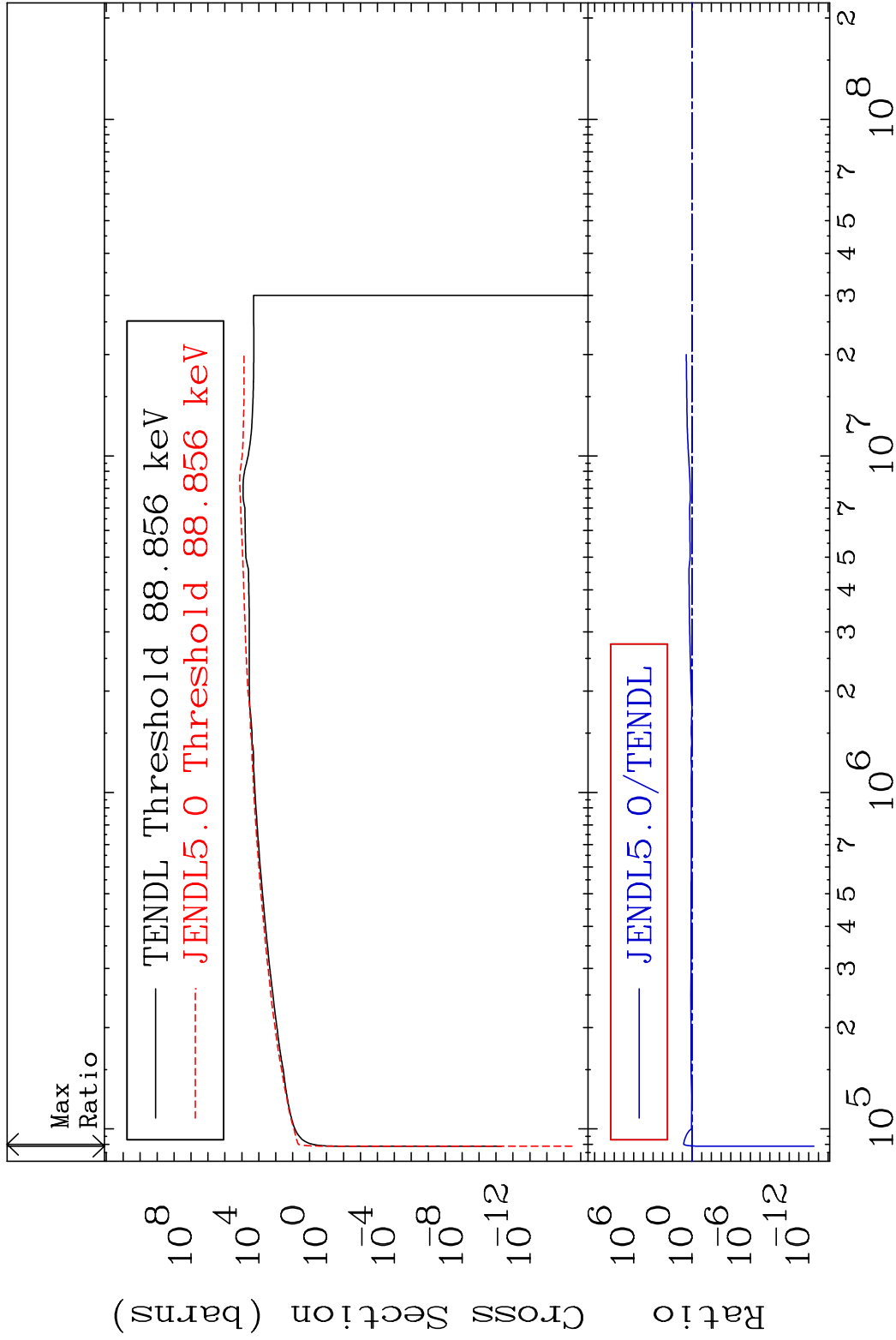


46

Incident Energy (eV)

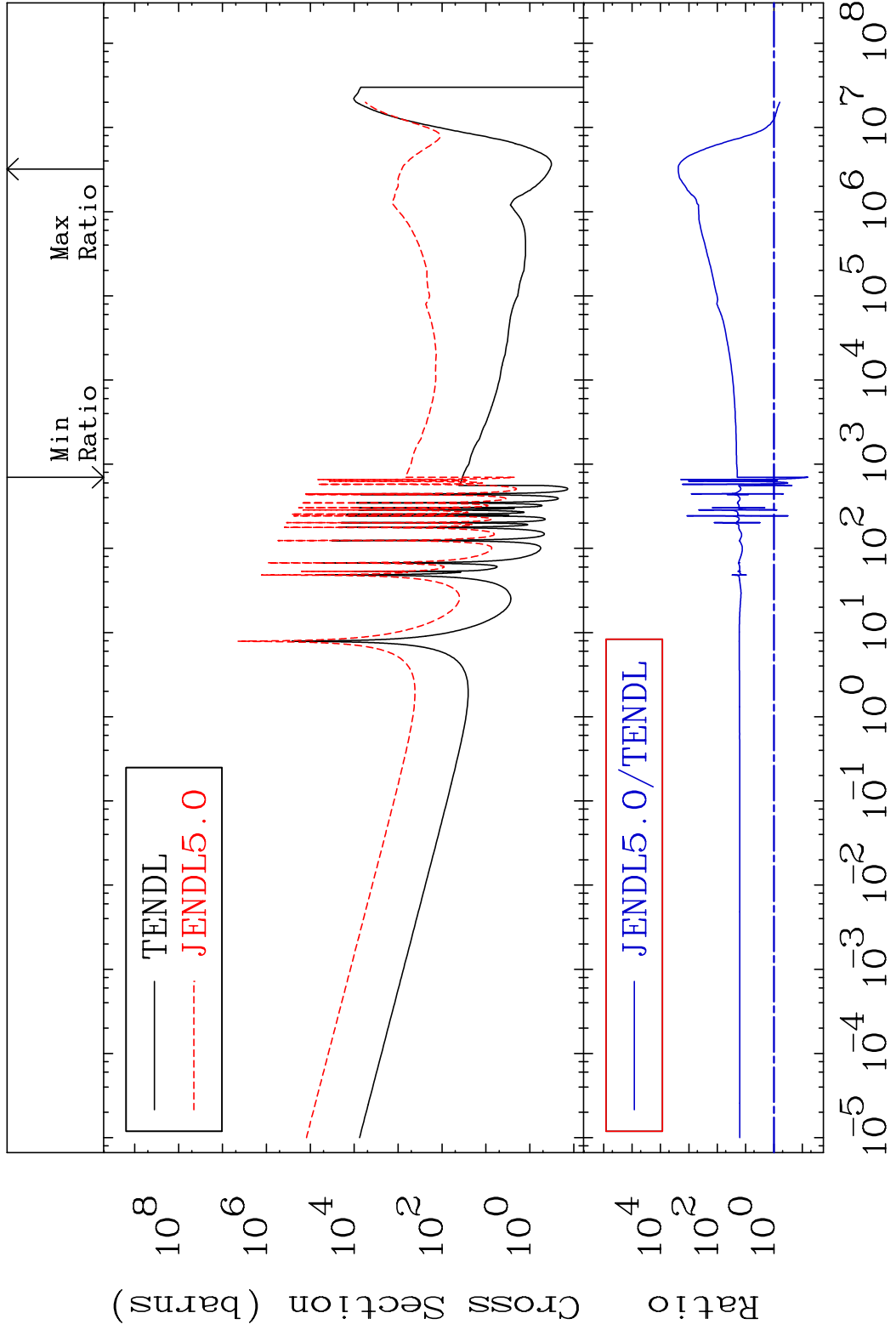
72-Hf-176

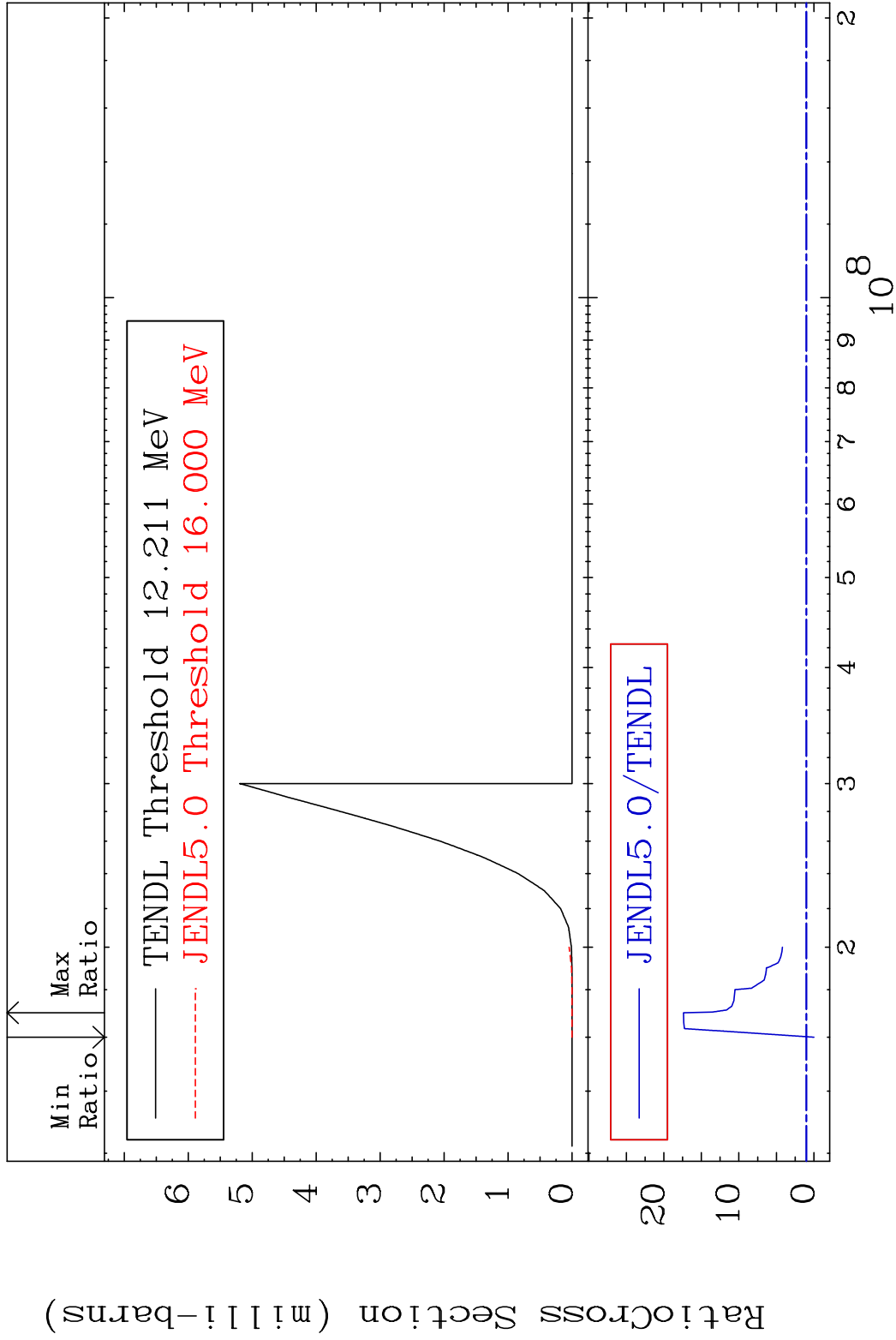
MAT 7231 Dpa inelastic (mt51-91) 72-Hf-176
Cross Section -100.0 To 652.3 %

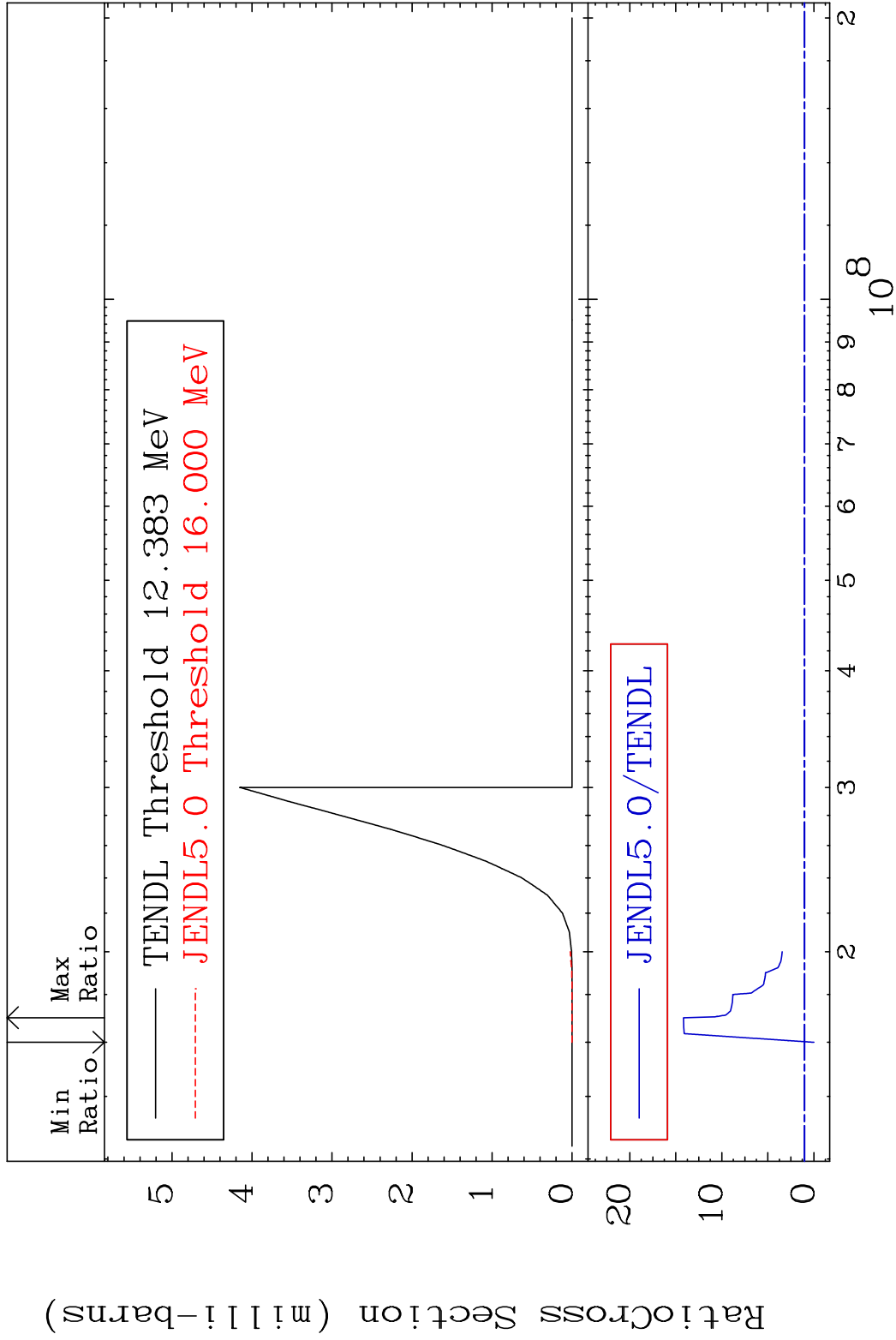


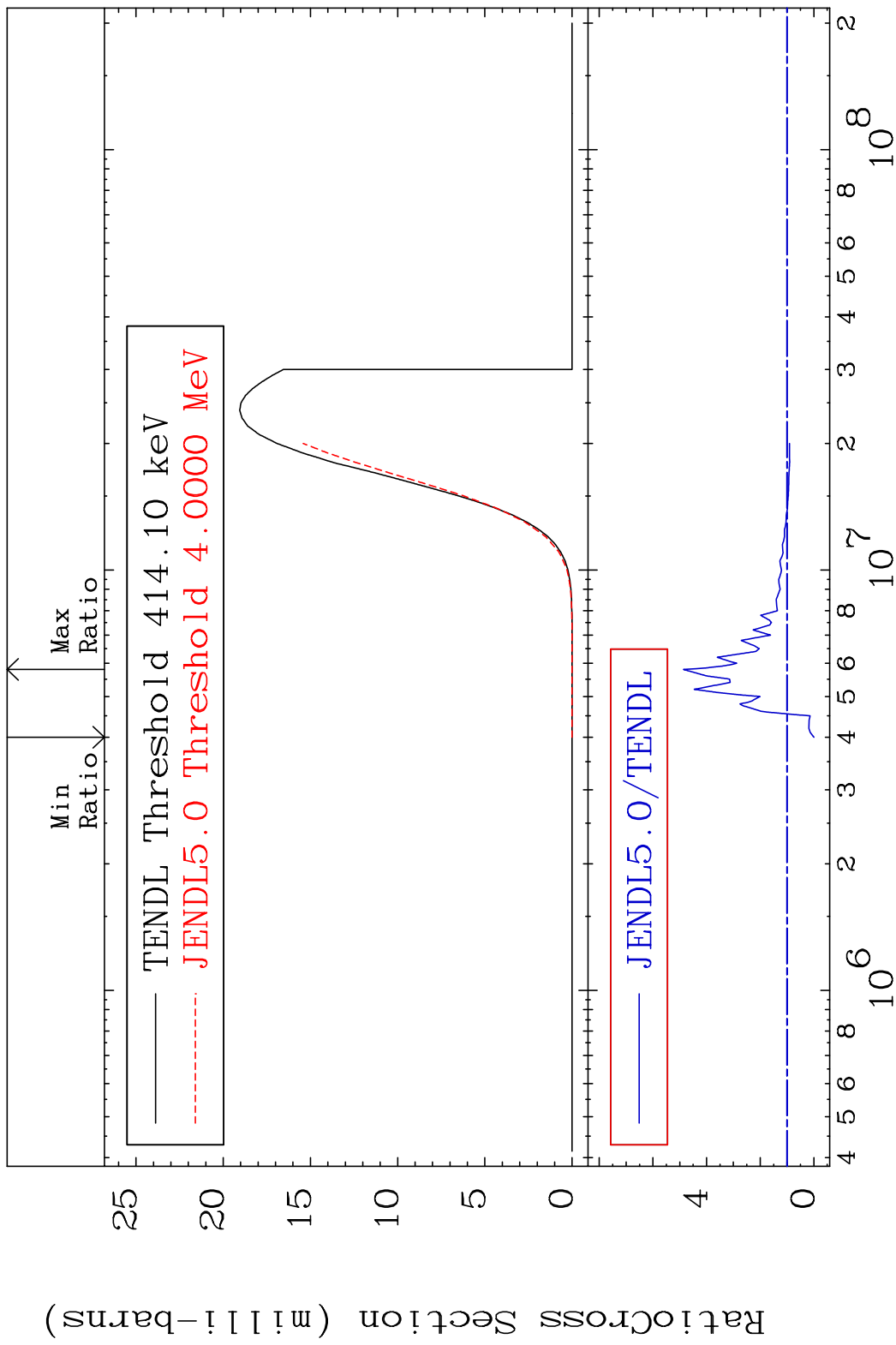
47 Incident Energy (eV) 72-Hf-176

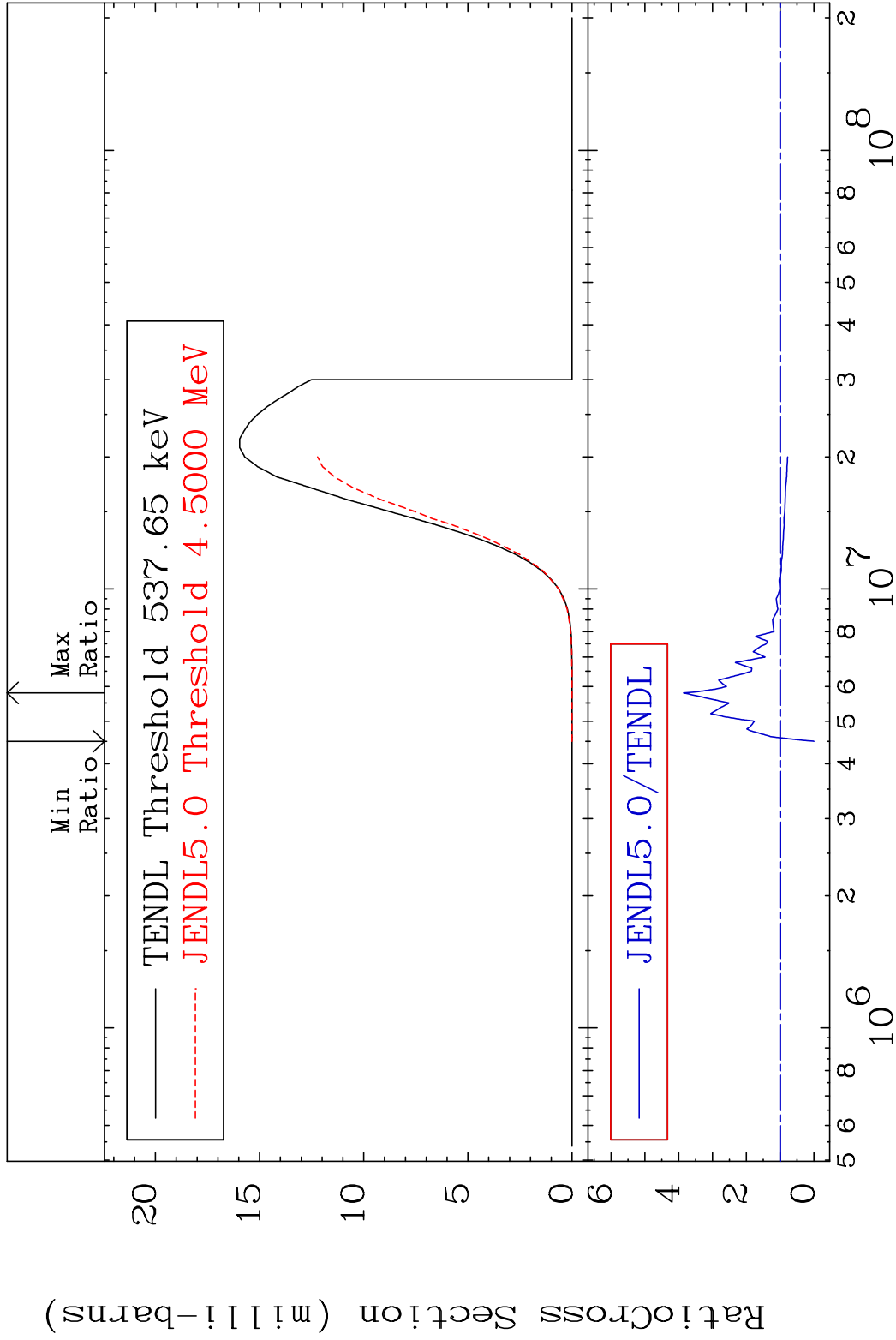
MAT 7231 Dpa disappearance (mt102 -120) 72-Hf-176
 Cross Section -93.55 To 9999. %



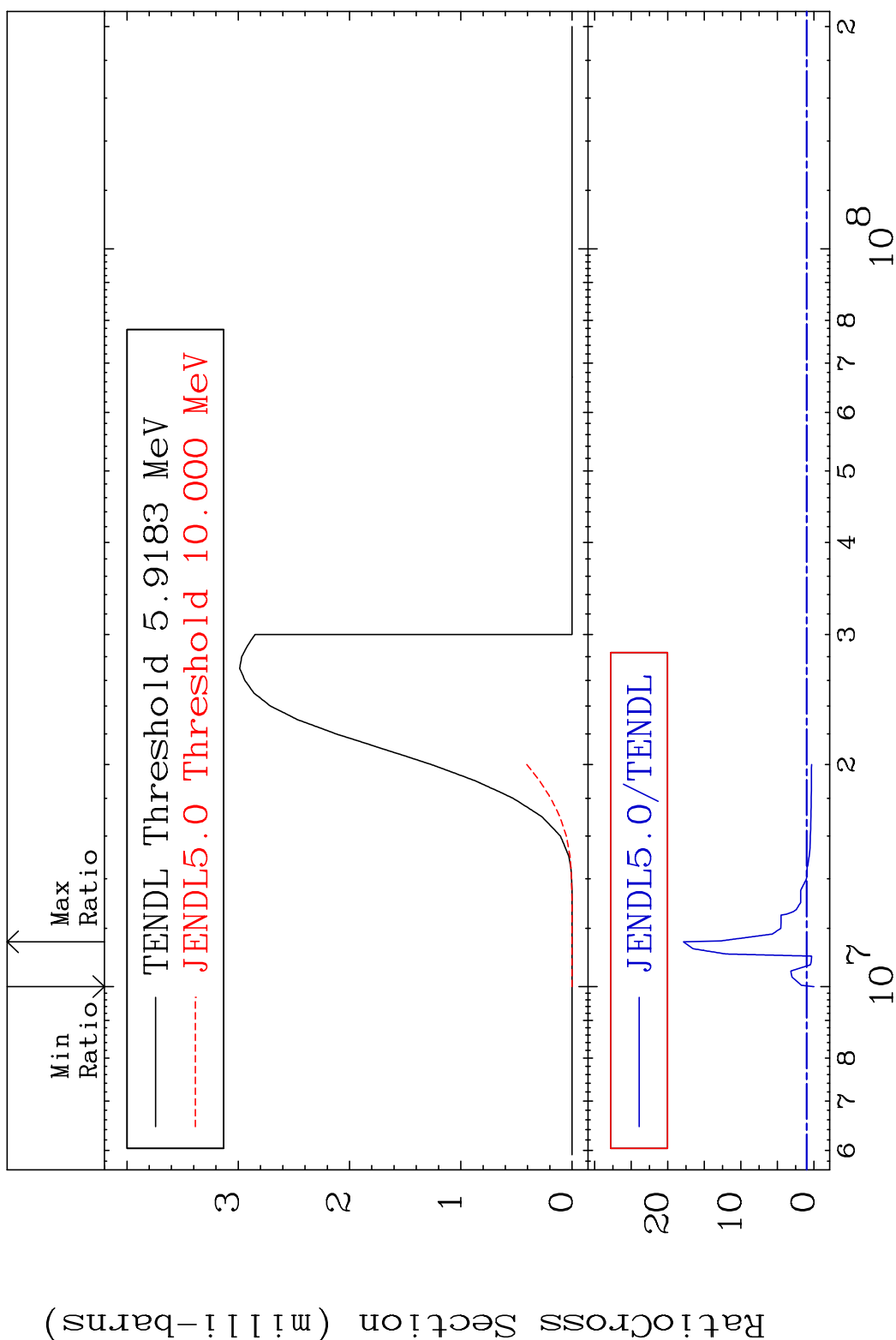








MAT 7231 (n, t): 71-Lu-174g 72-Hf-176
 Radionuclide Production Cross Section 18000 dth 1684. %



53 Incident Energy (eV) 72-Hf-176

