

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

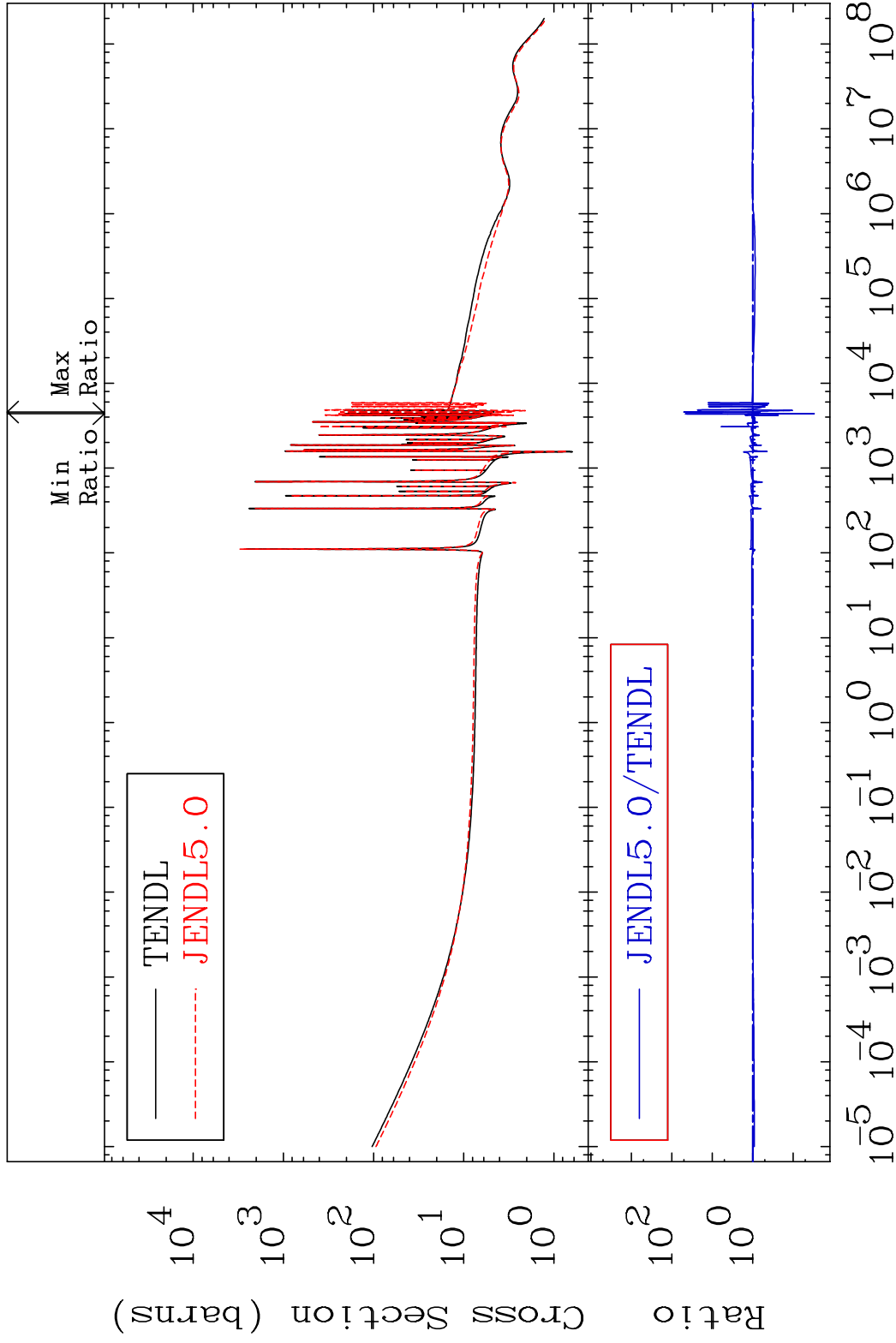
Press Mouse Button to Start

MAT 3125

Total

31-Ga-69

Cross Section -96.99 To 4984. %



1

Incident Energy (eV)

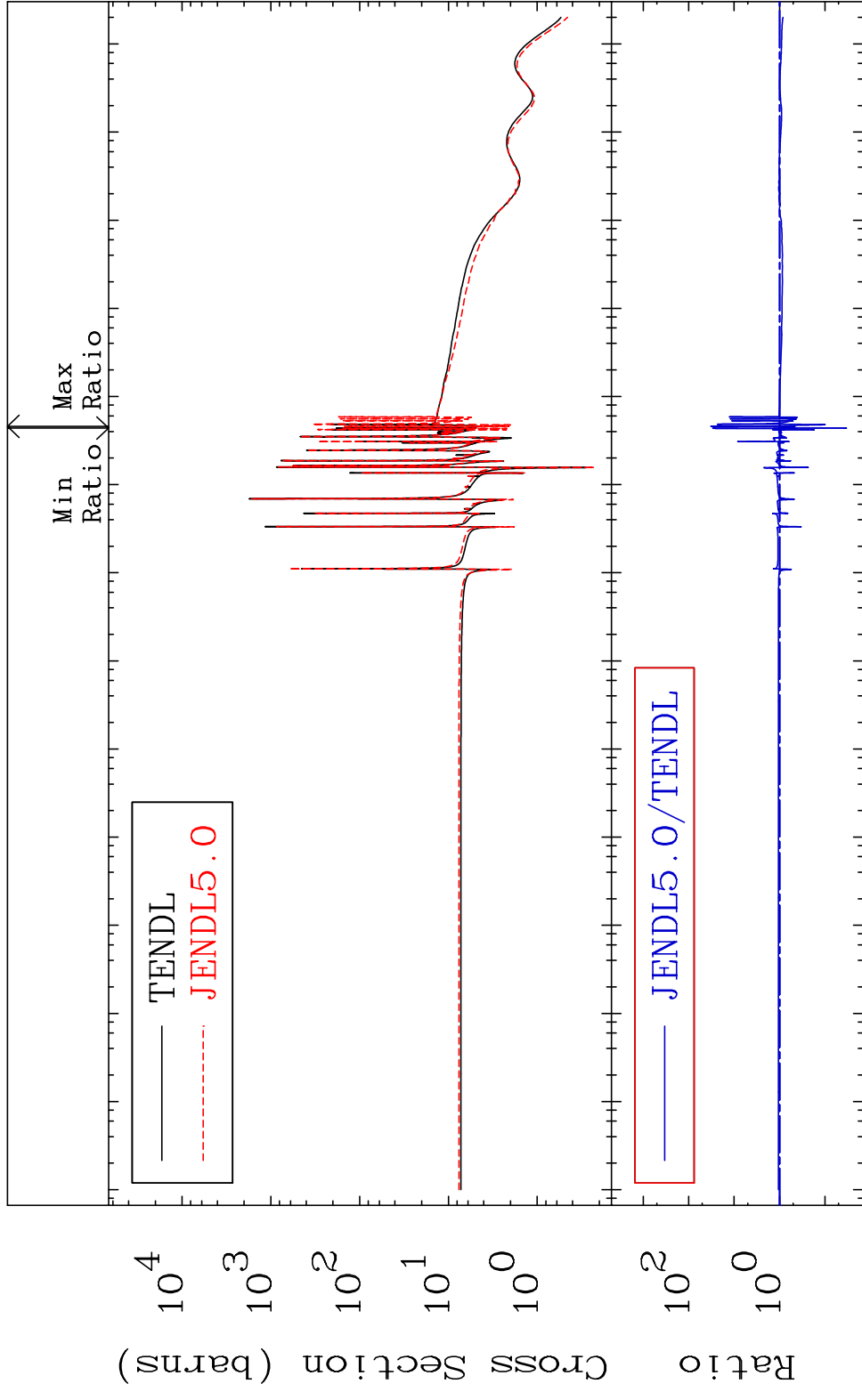
31-Ga-69

MAT 3125

Elastic

31-Ga-69

Cross Section -96.61 To 3167. %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

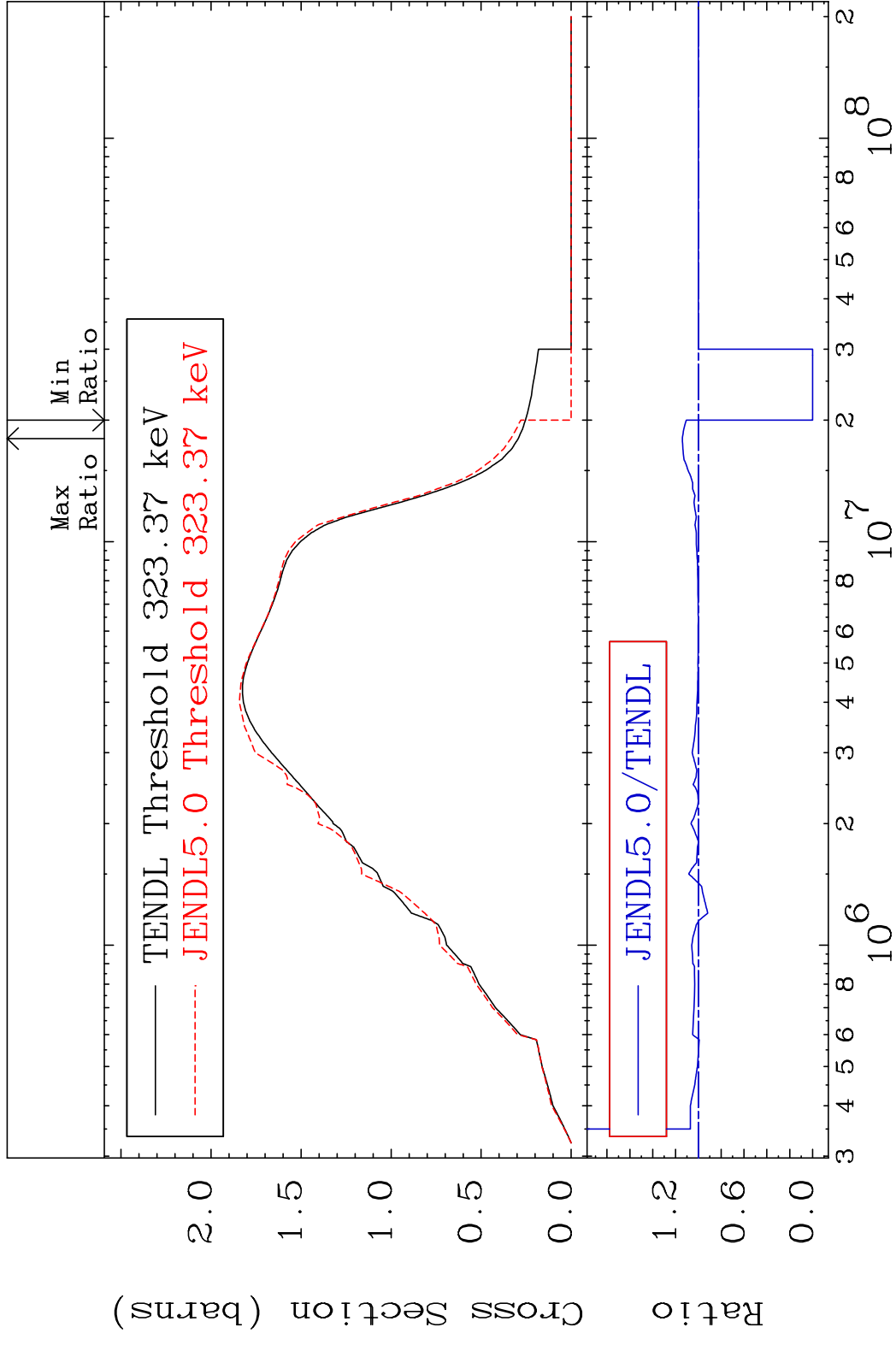
31-Ga-69

MAT 3125

31-Ga-69

Inelastic

Cross Section -100.0 To 14.02 %



31-Ga-69

Incident Energy (eV)

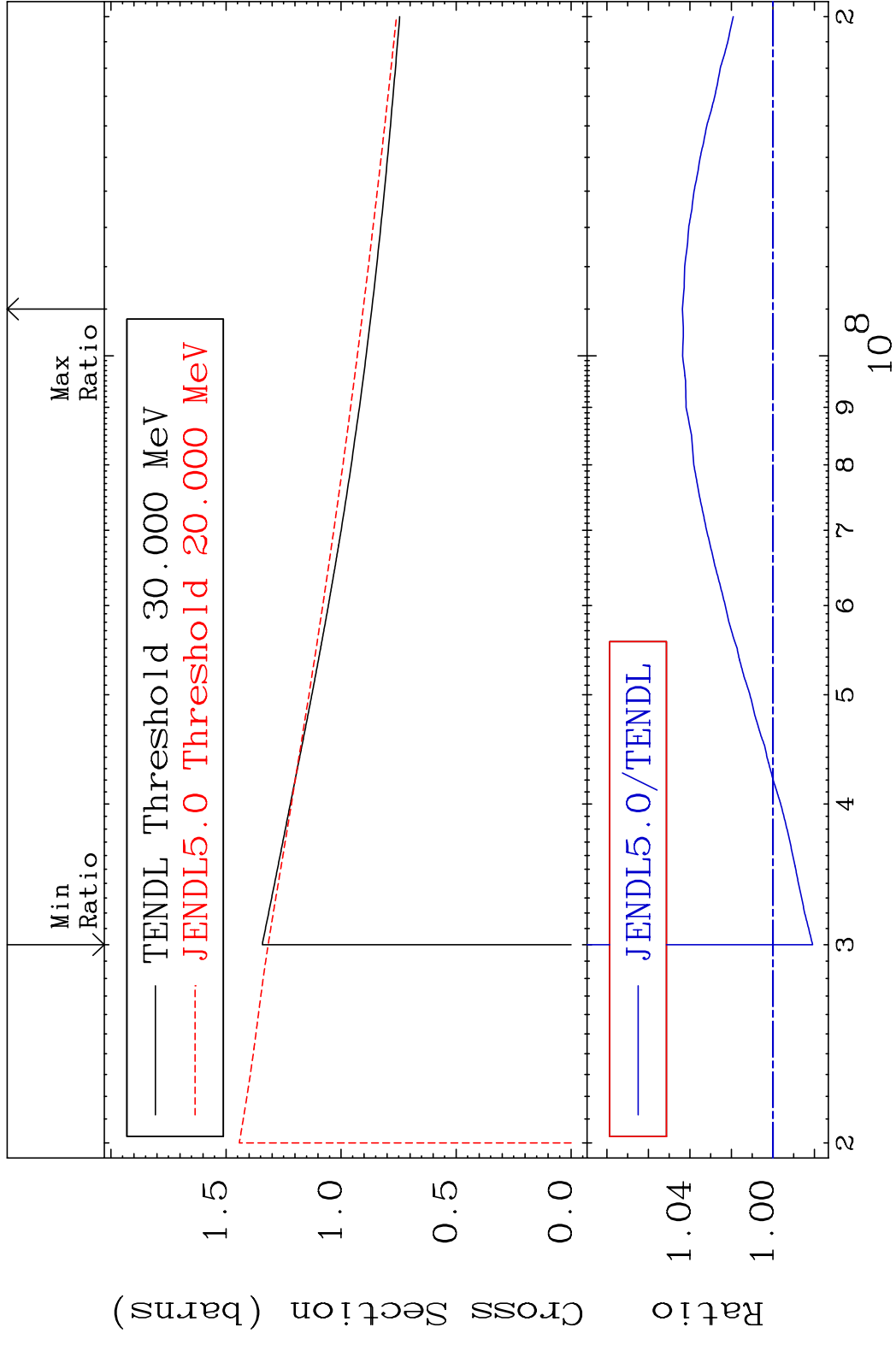
3

MAT 3125

(n, remainder)

31-Ga-69

Cross Section -1.914 To 4.360 %



4

Incident Energy (eV)

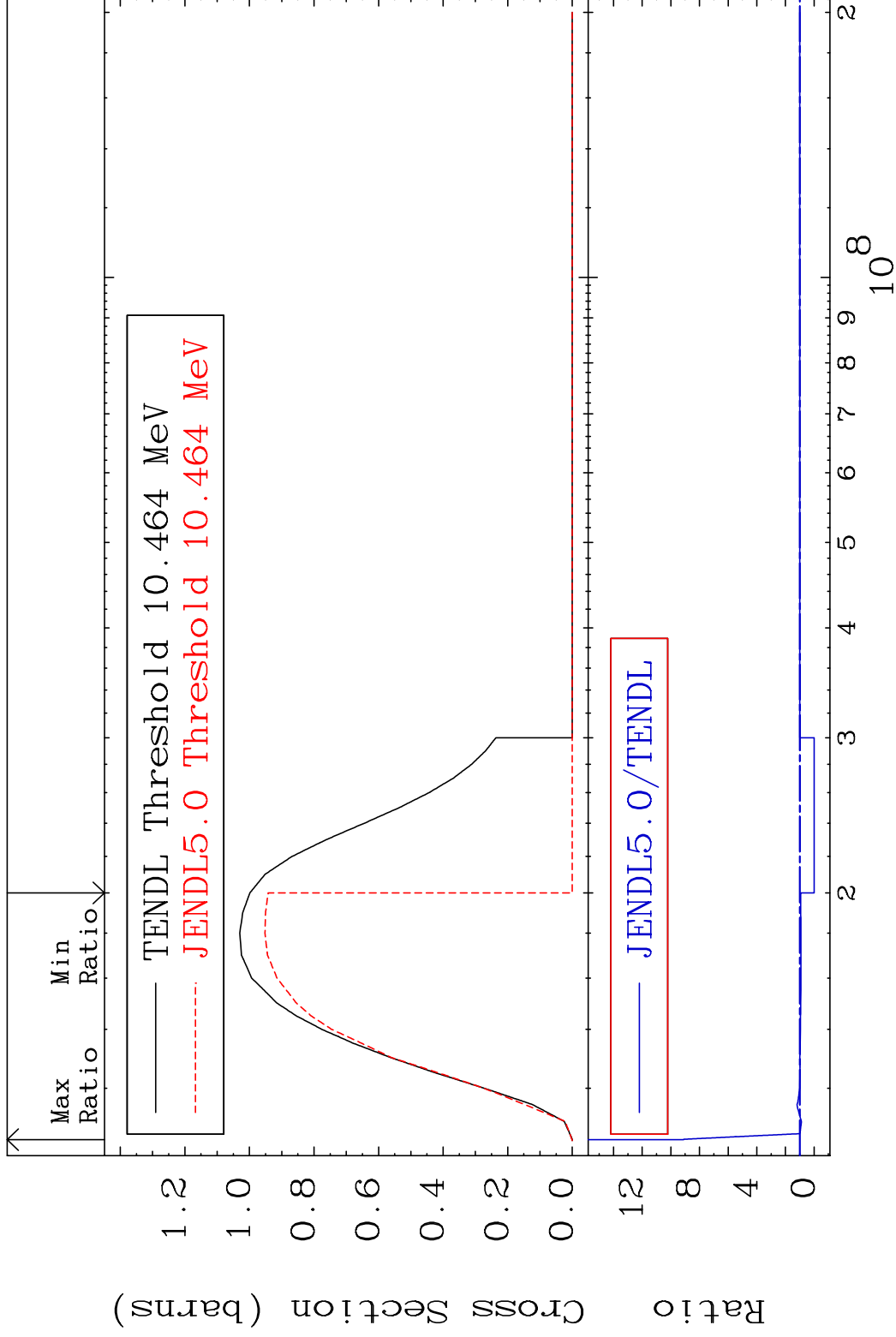
31-Ga-69

MAT 3125

(n,2n)

31-Ga-69

Cross Section -100.0 To 810.5 %

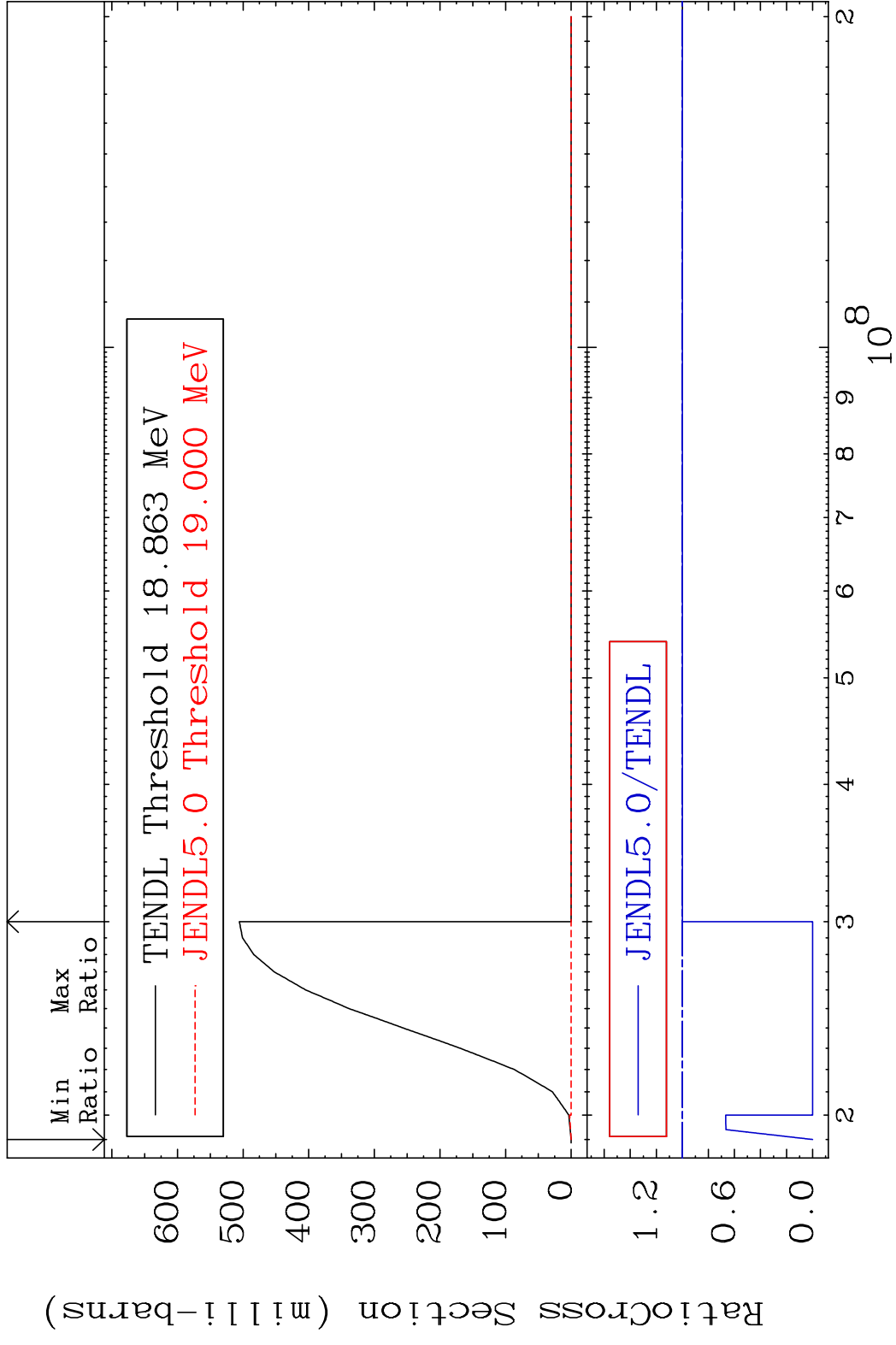


5

Incident Energy (eV)

31-Ga-69

MAT 3125 (n,3n) 31-Ga-69
 Cross Section -100.0 To 0.000 %

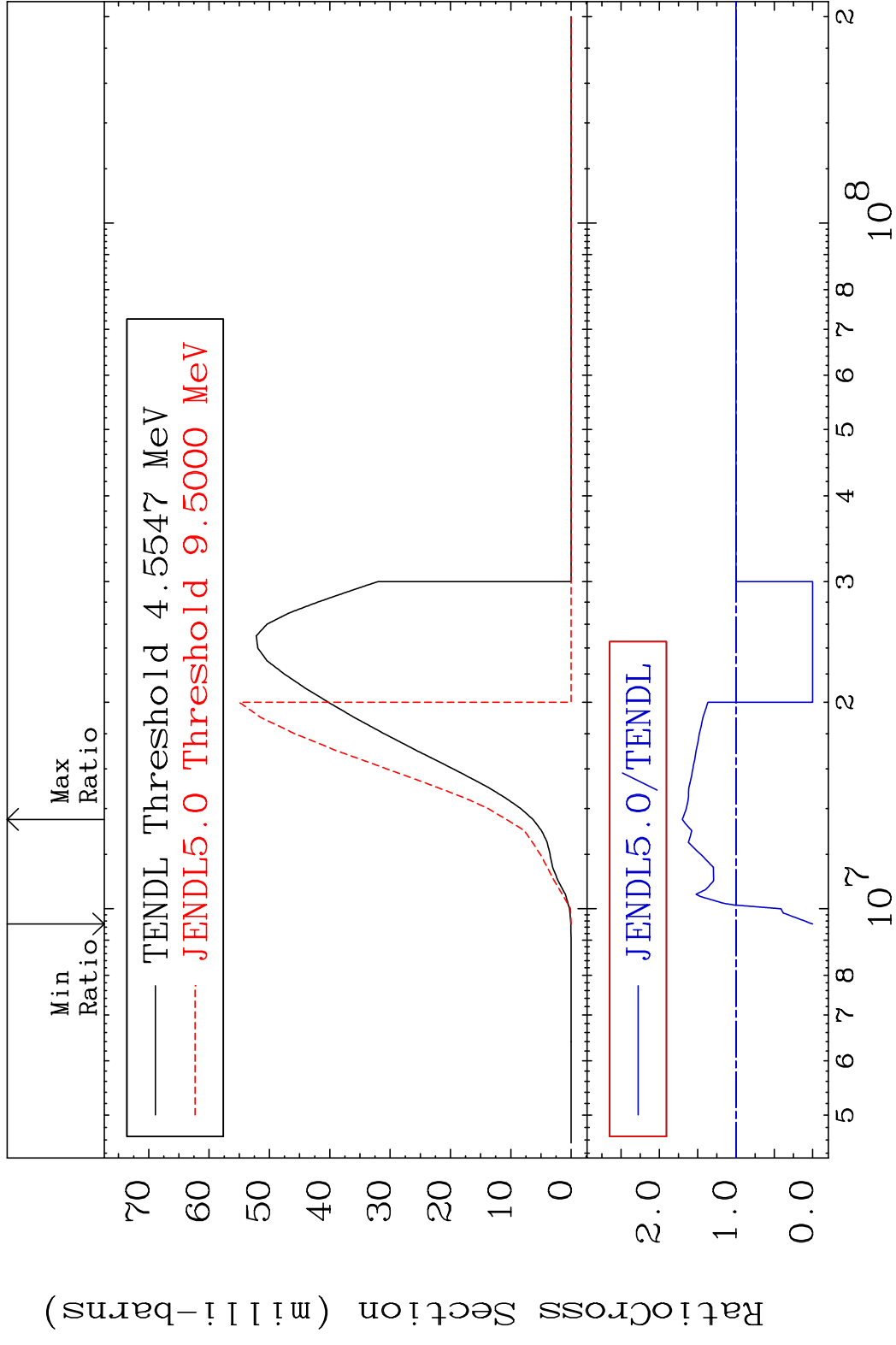


MAT 3125

(n, n') α

31-Ga-69

Cross Section -100.0 To 69.91 %

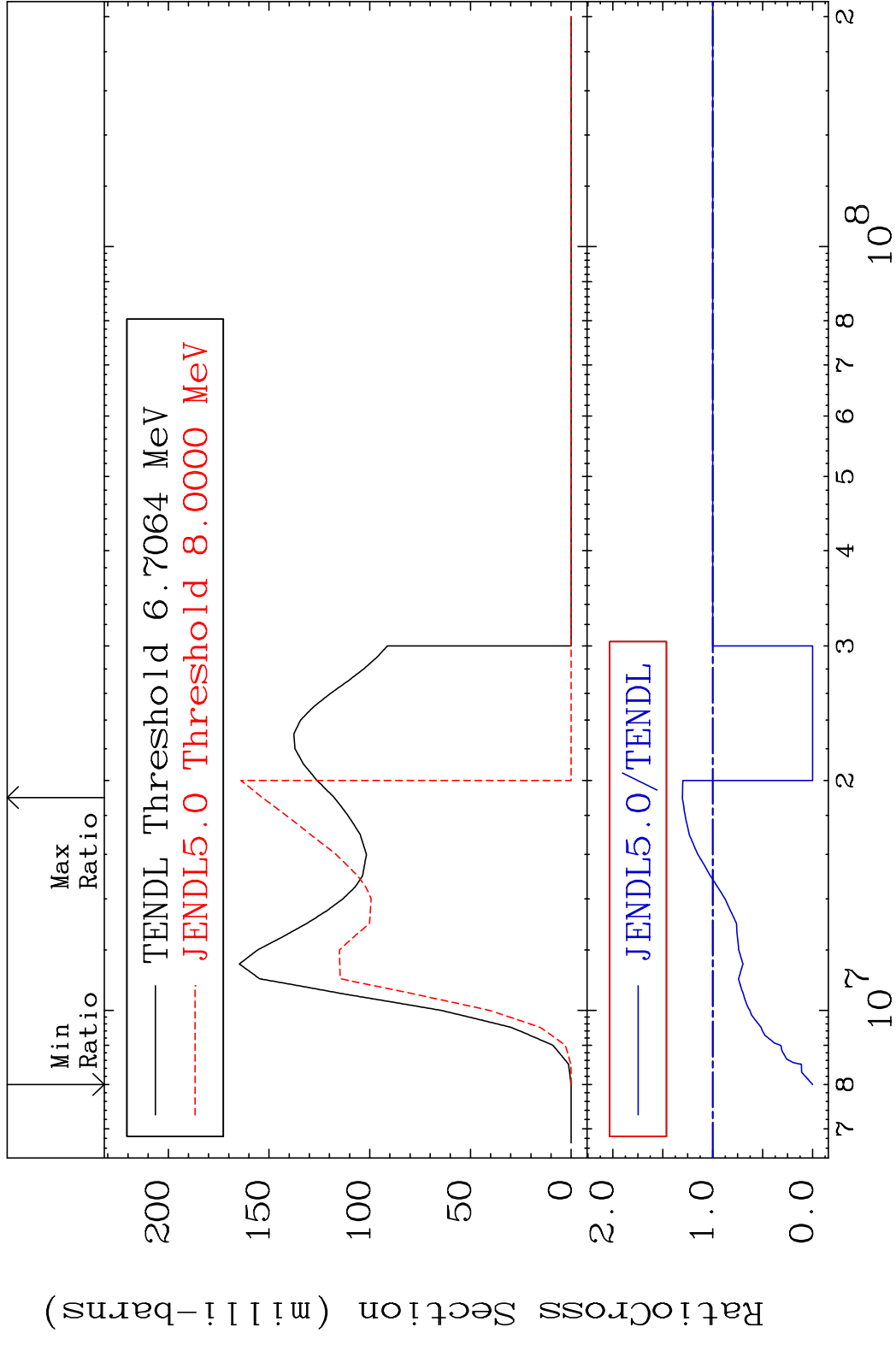


7

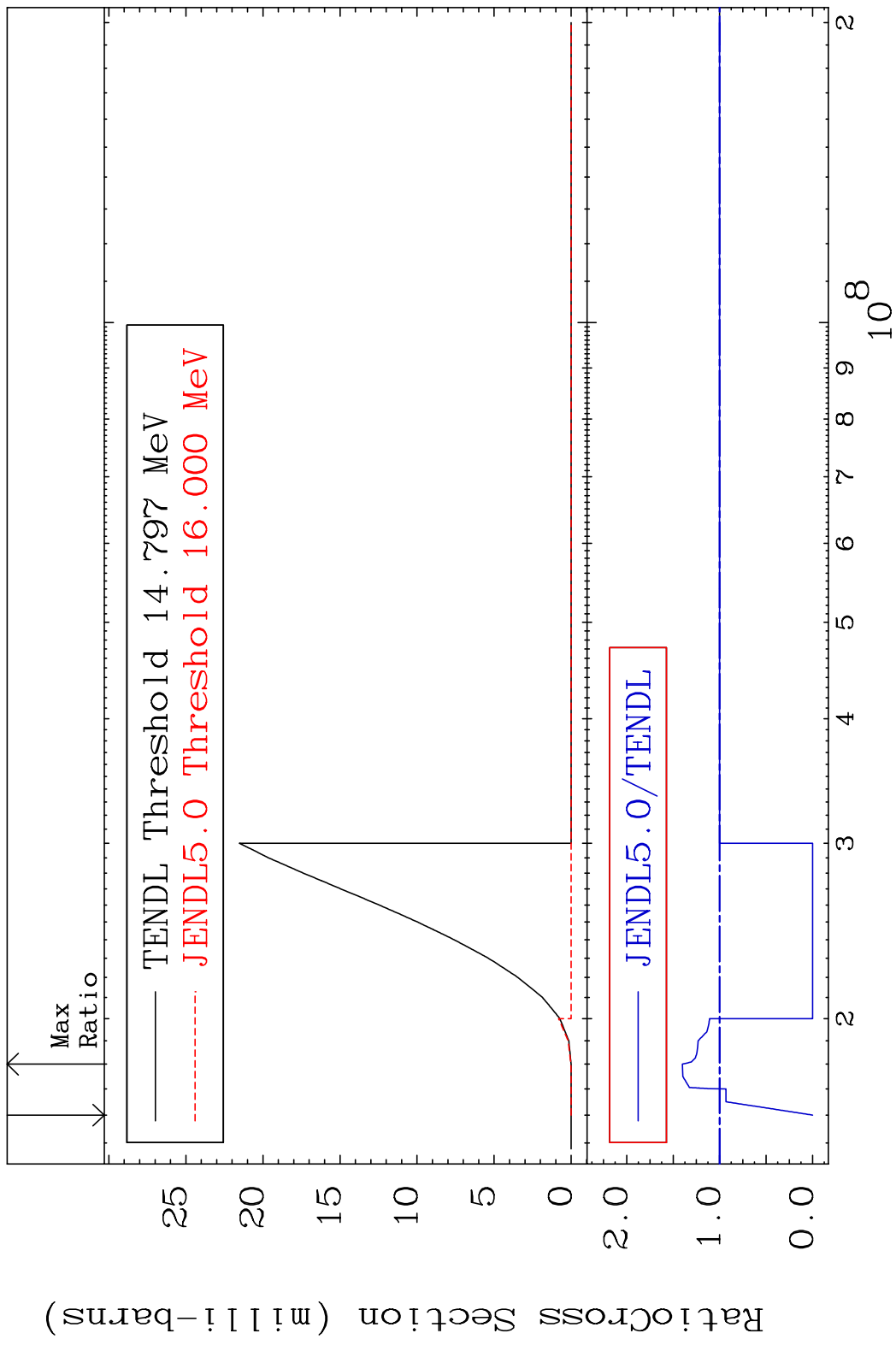
Incident Energy (eV)

31-Ga-69

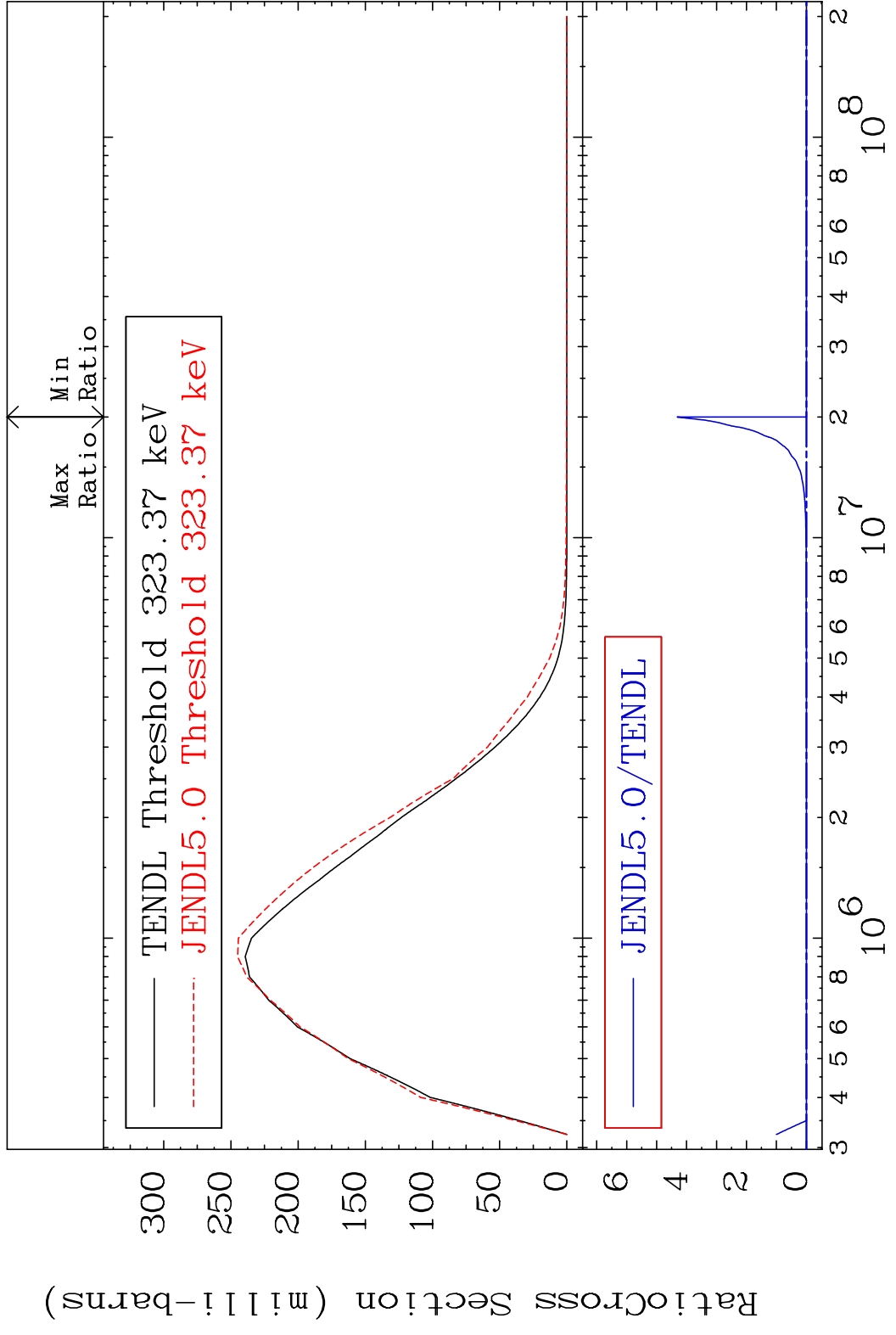
MAT 3125 (n, n') p 31-Ga-69
 Cross Section -100.0 To 30.39 %



MAT 3125 (n, n') d 31-Ga-69
 Cross Section -100.0 To 40.12 %

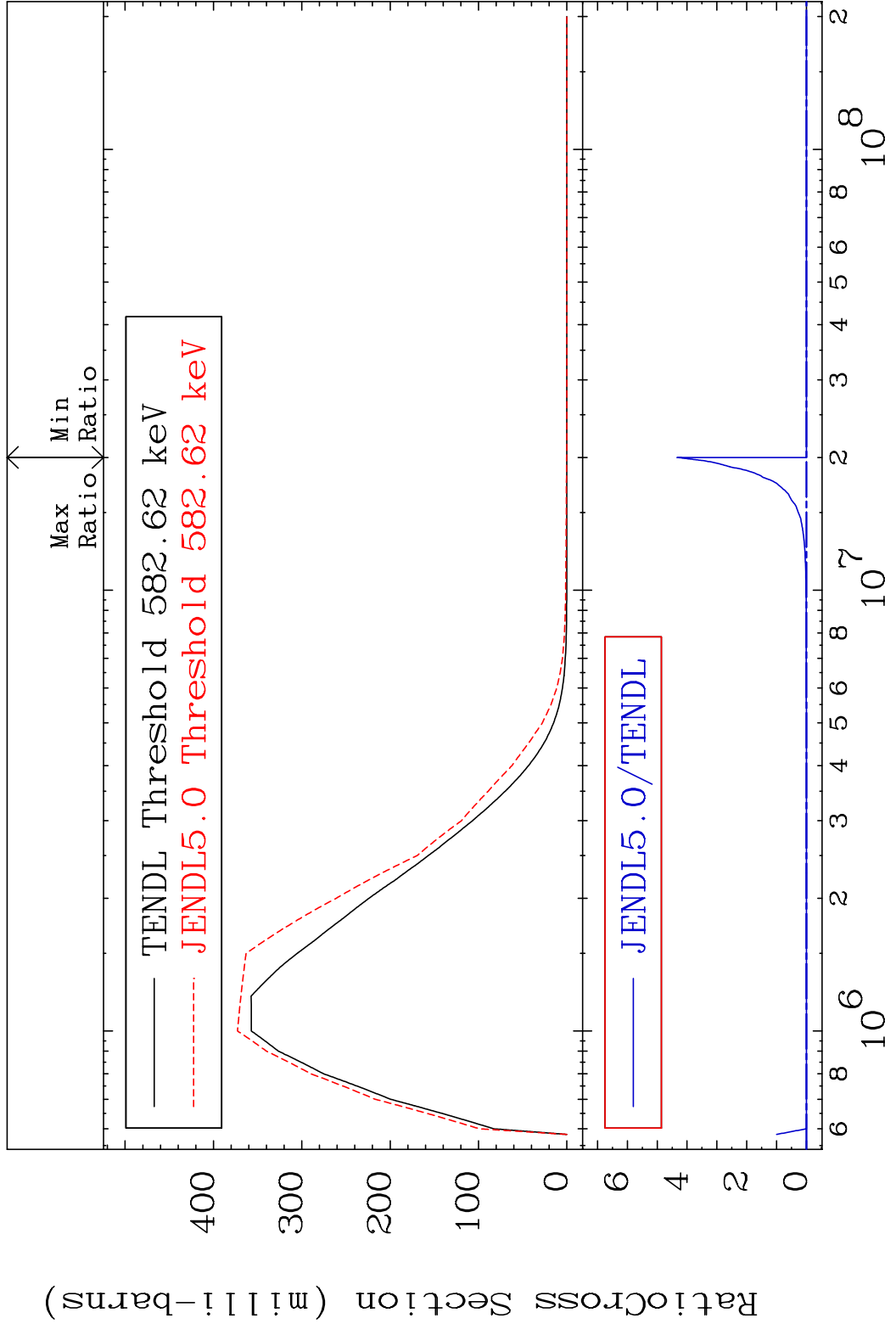


MAT 3125 MT= 51 (n,n') Level 31-Ga-69
 Cross Section -100.0 To 9999. %

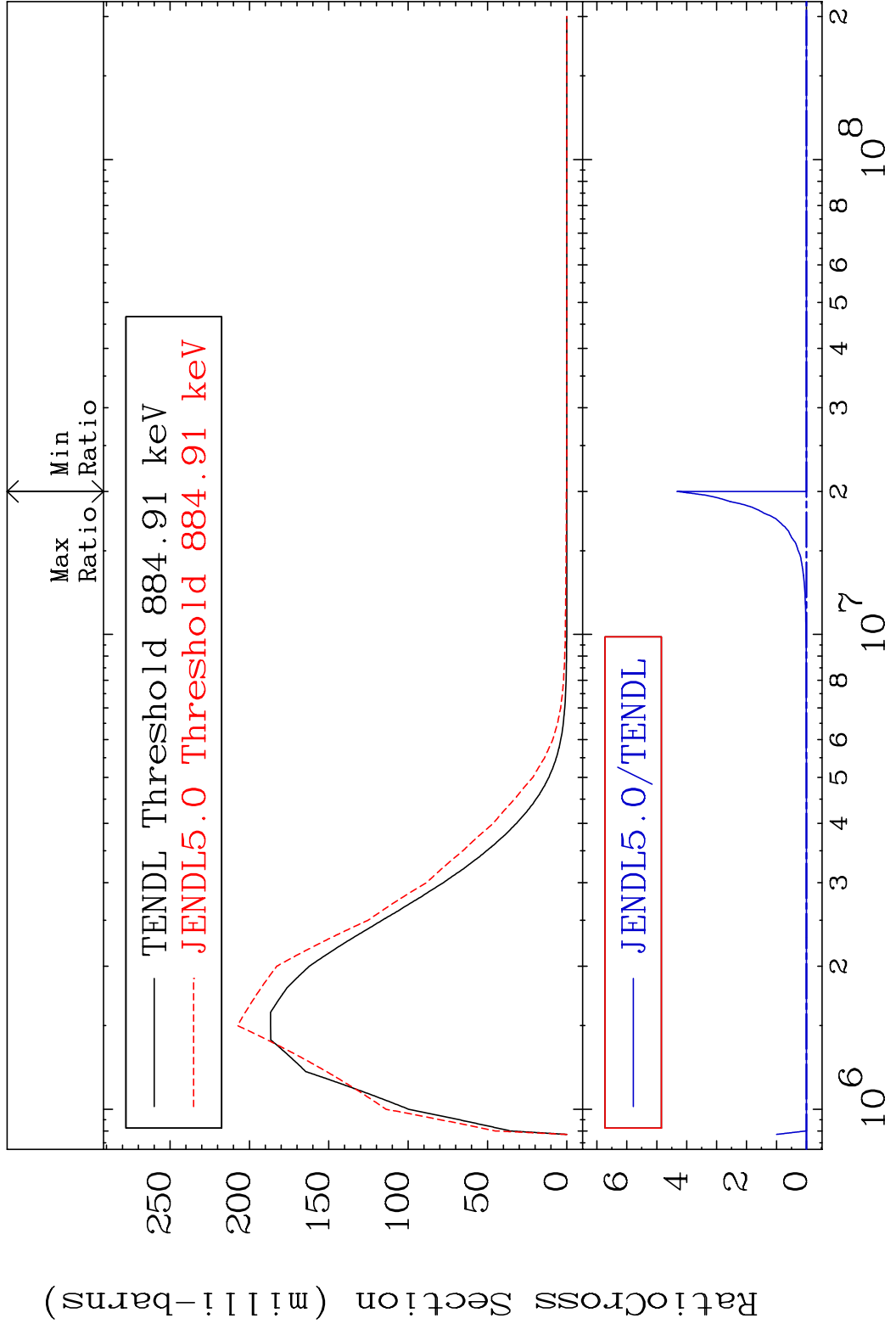


10 Incident Energy (eV) 31-Ga-69

MAT 3125 MT= 52 (n, n') Level 31-Ga-69
 Cross Section -100.0 To 9999. %

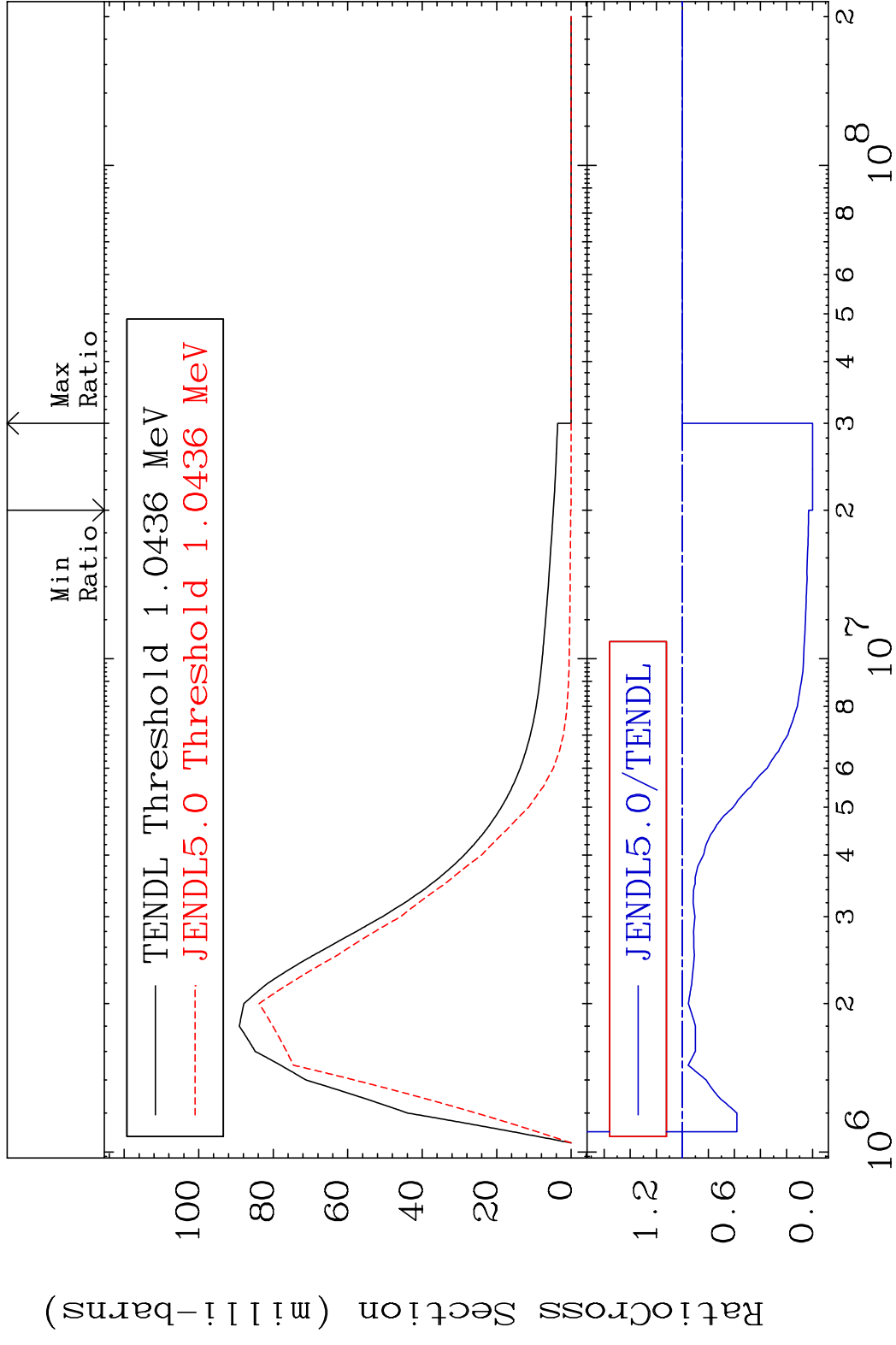


MAT 3125 MT= 53 (n, n') Level 31-Ga-69
 Cross Section -100.0 To 9999. %



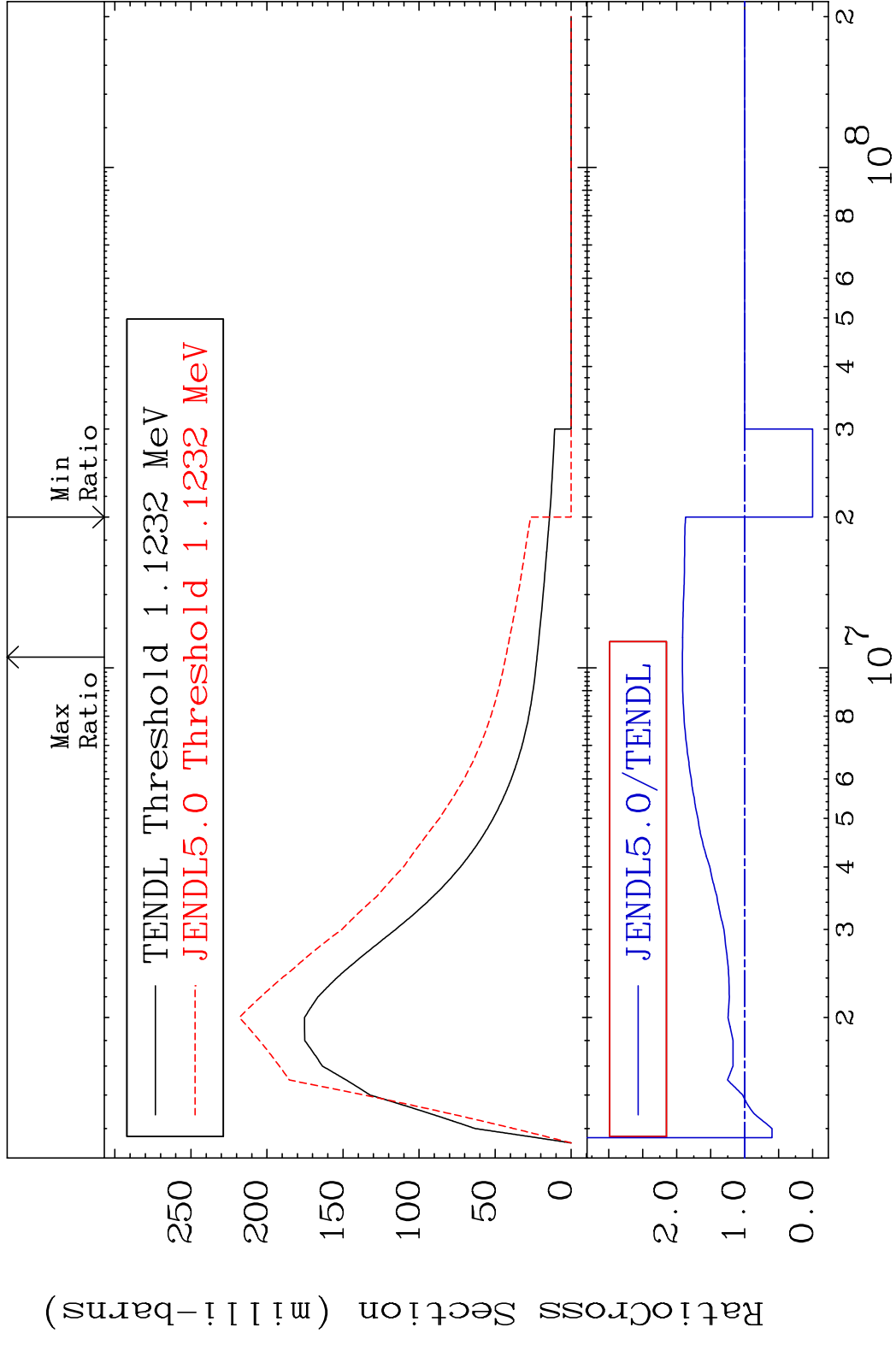
12 Incident Energy (eV) 31-Ga-69

MAT 3125 MT= 54 (n, n') Level 31-Ga-69
 Cross Section -100.0 To 0.000 %

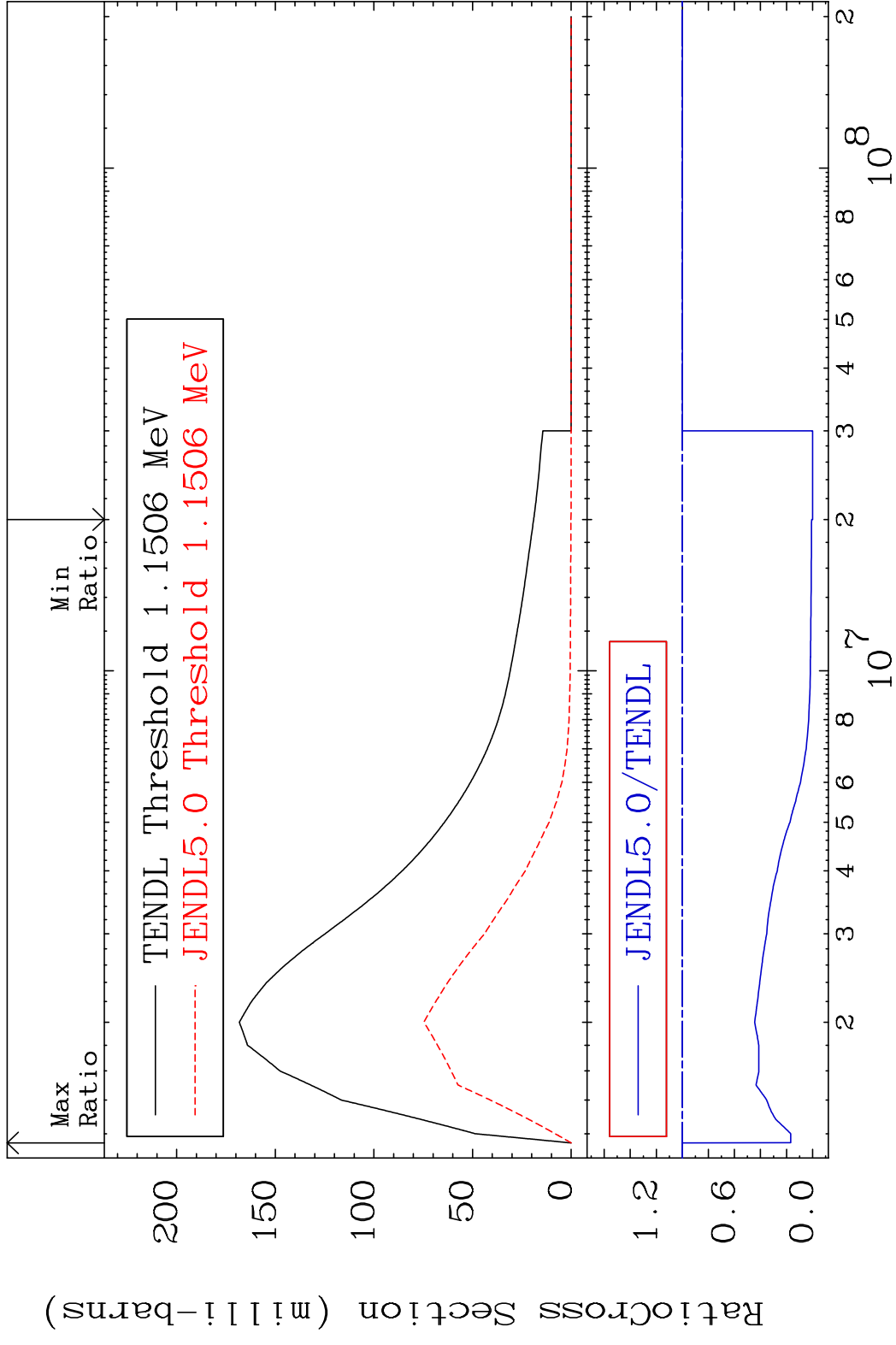


13 Incident Energy (eV) 31-Ga-69

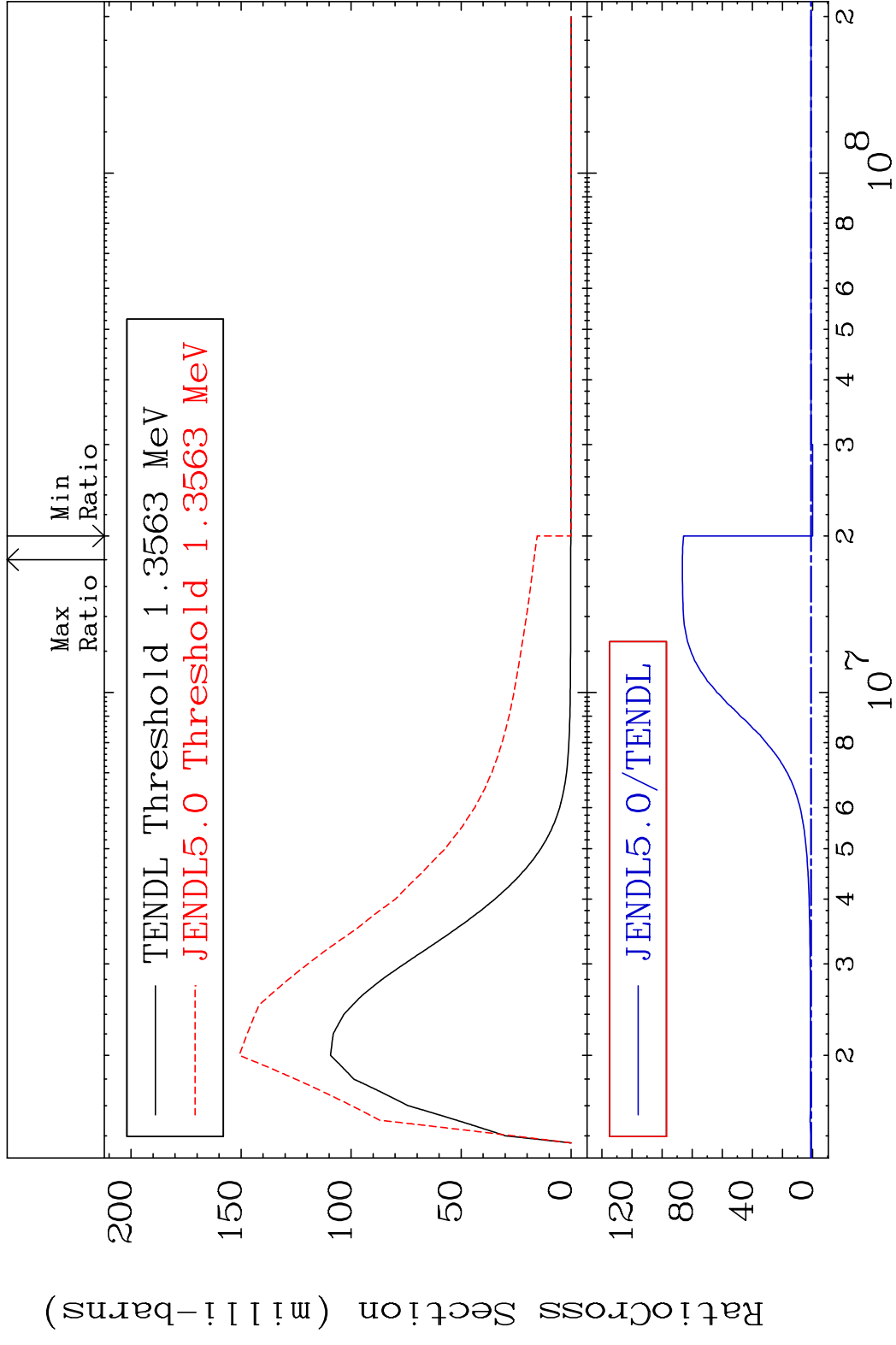
MAT 3125 MT= 55 (n, n') Level 31-Ga-69
 Cross Section -100.0 To 91.73 %



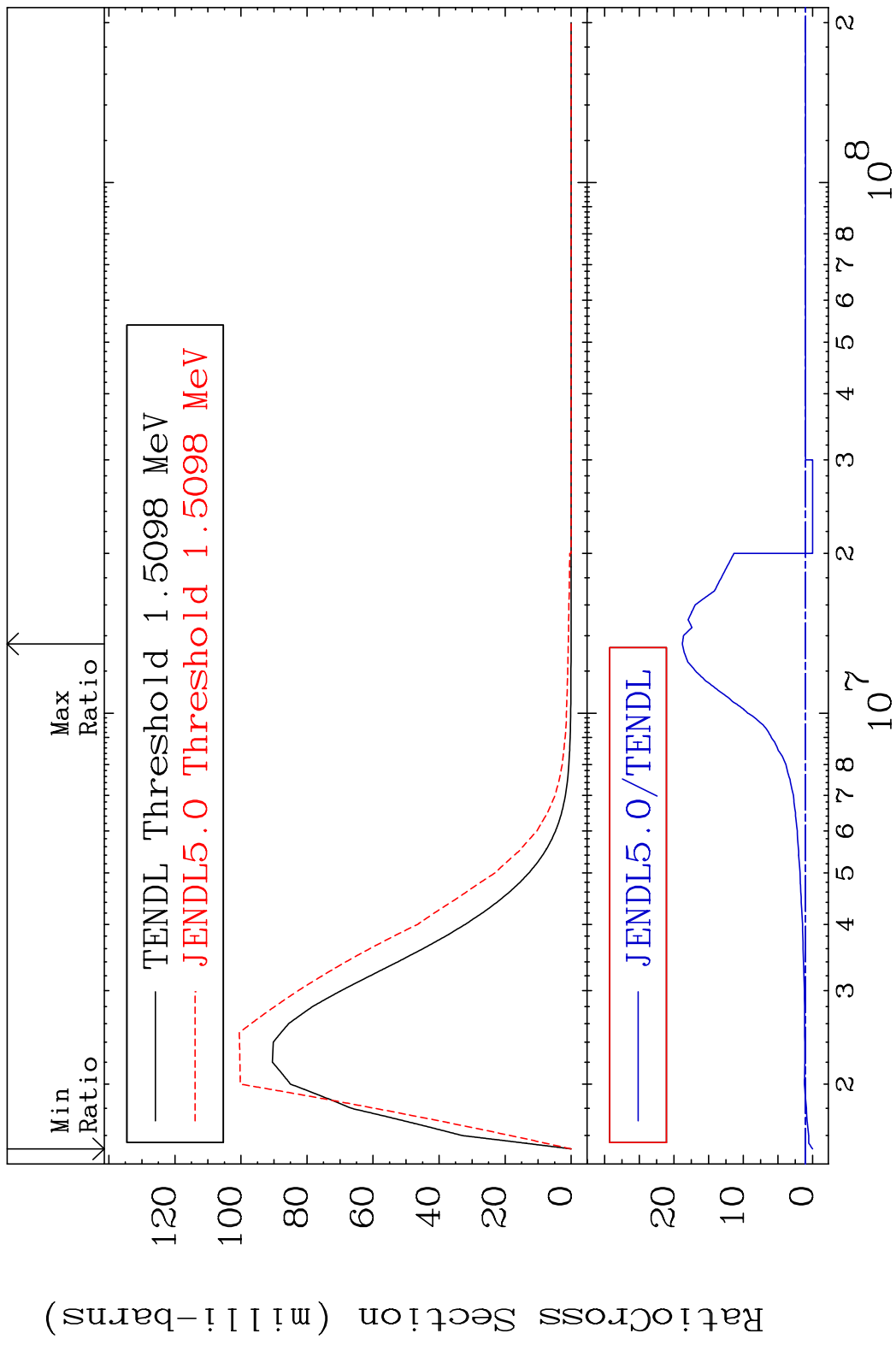
MAT 3125 MT= 56 (n, n') Level 31-Ga-69
 Cross Section -100.0 To 0.000 %



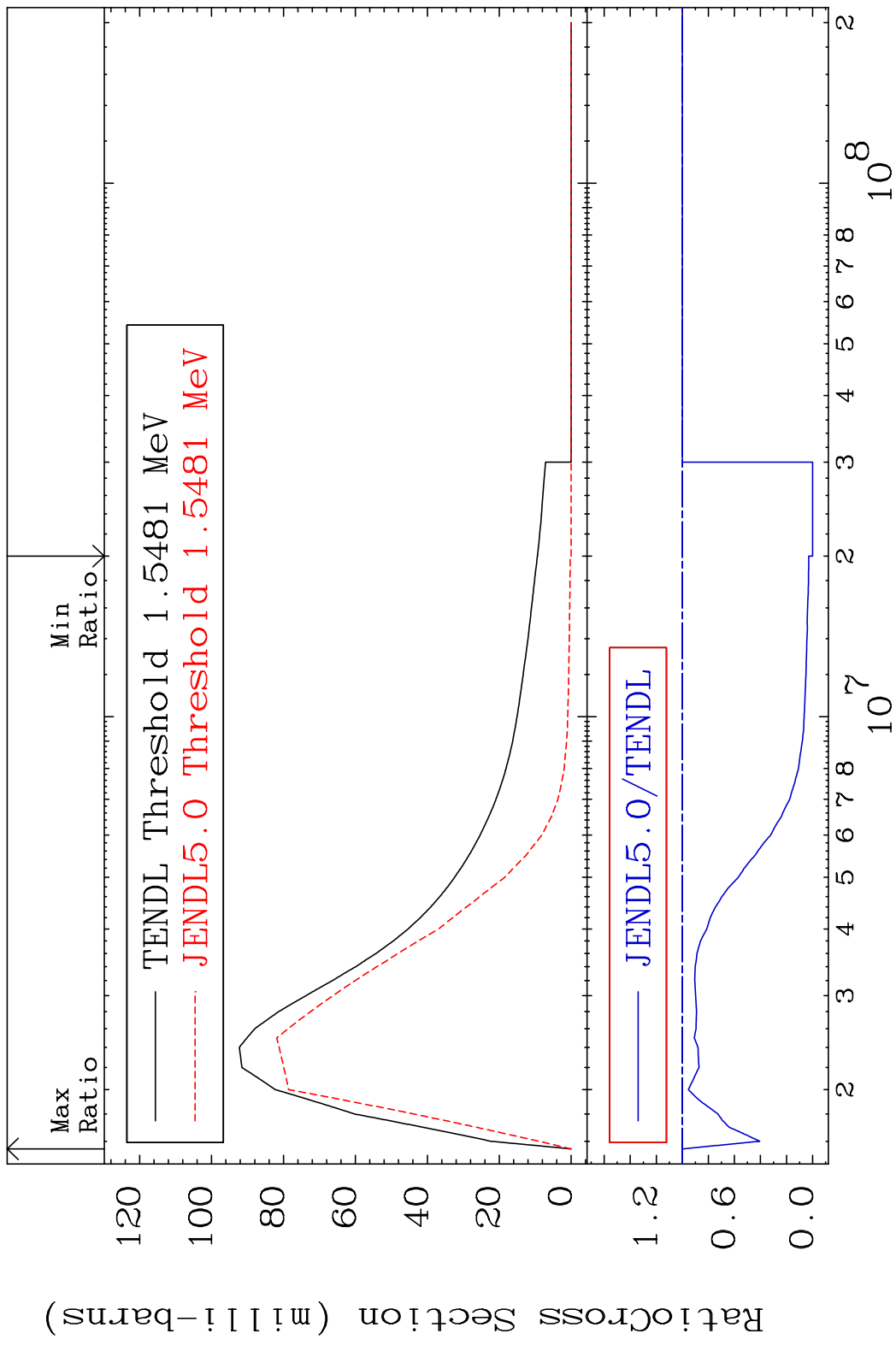
MAT 3125 MT= 57 (n, n') Level 31-Ga-69
 Cross Section -100.0 To 8554. %



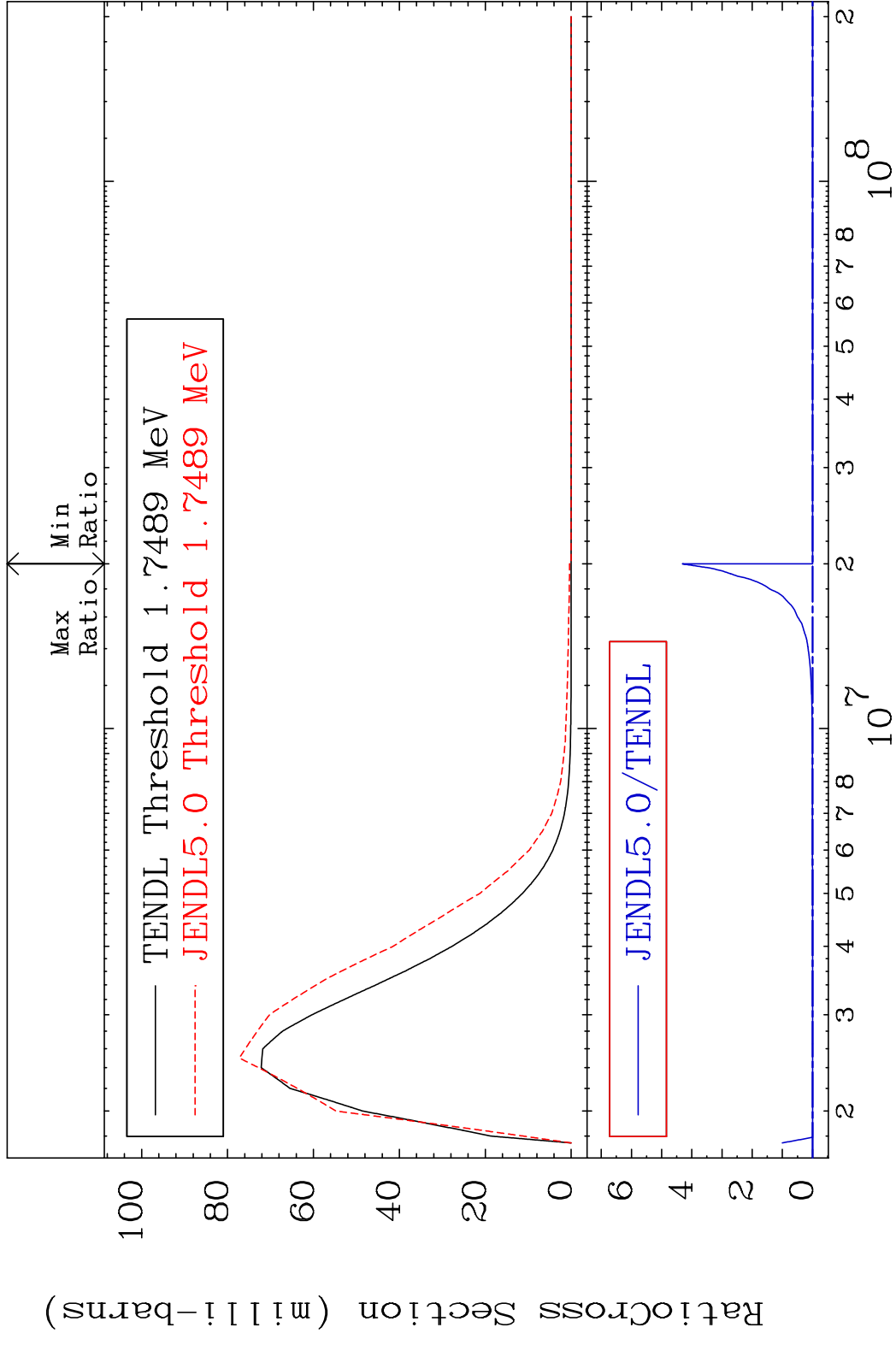
MAT 3125 MT= 58 (n, n') Level 31-Ga-69
 Cross Section -100.0 To 1778. %



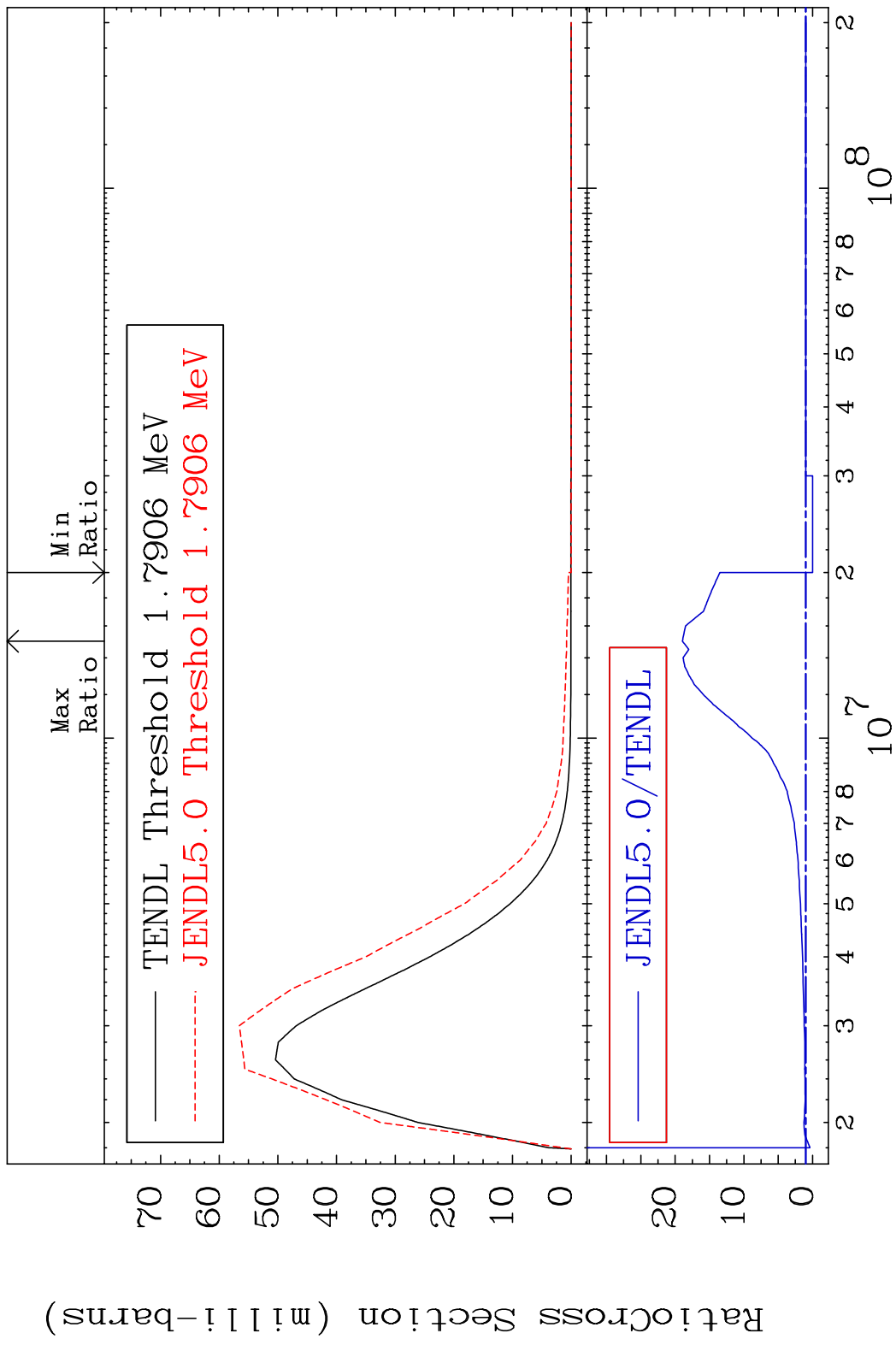
MAT 3125 MT= 59 (n, n') Level 31-Ga-69
 Cross Section -100.0 To 0.000 %



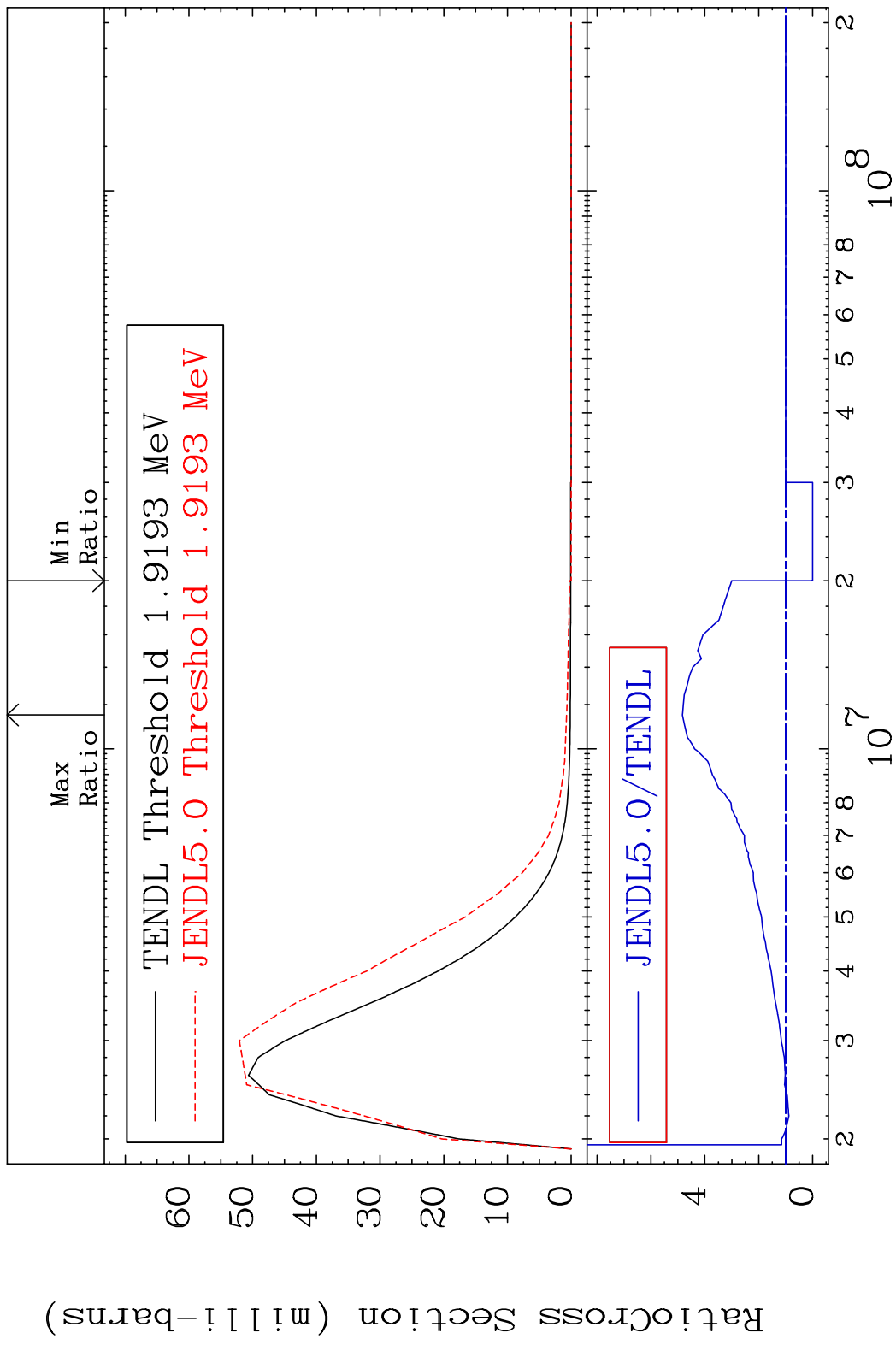
MAT 3125 MT= 60 (n, n') Level 31-Ga-69
 Cross Section -100.0 To 9999. %



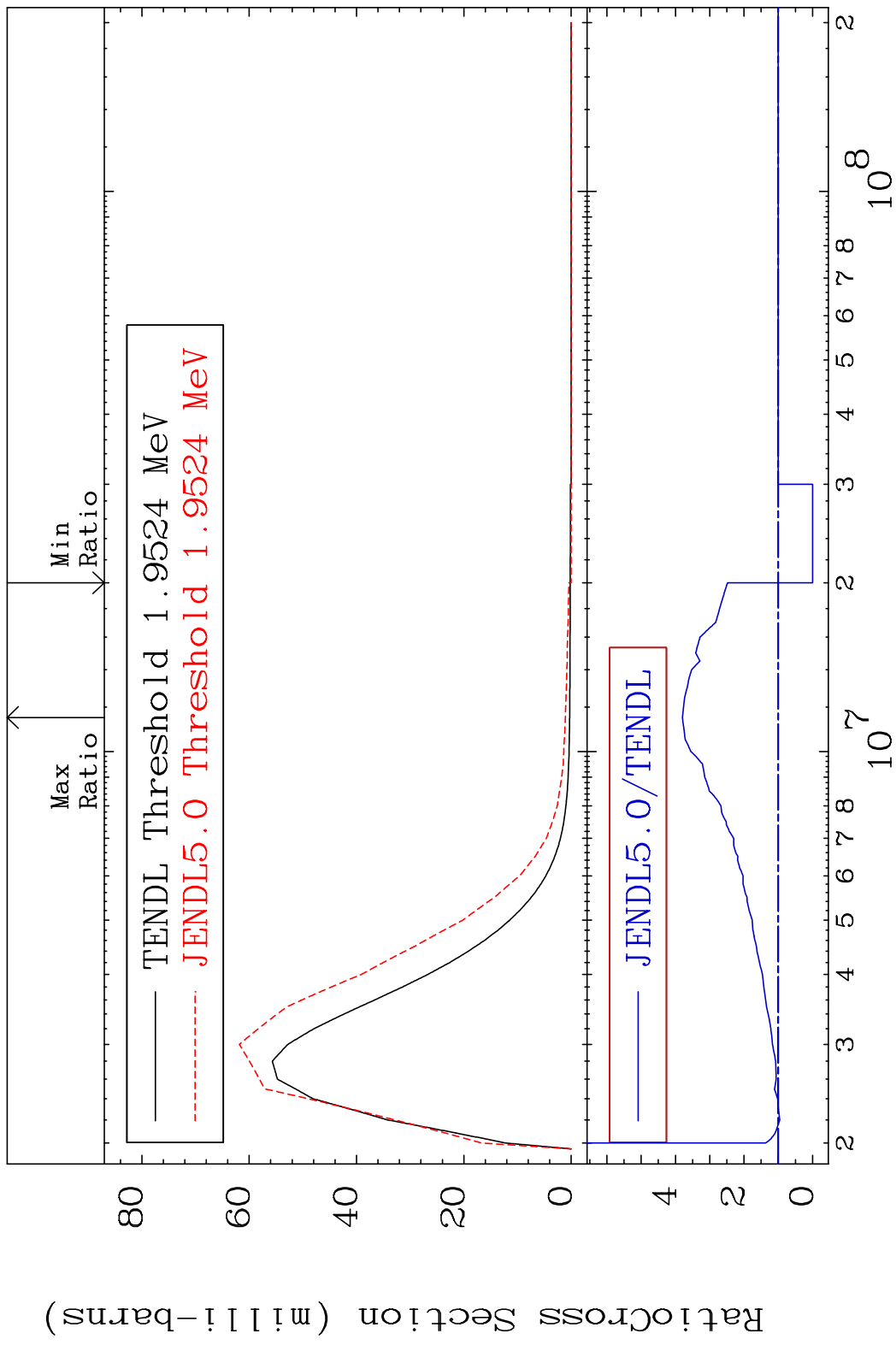
MAT 3125 MT= 61 (n, n') Level 31-Ga-69
 Cross Section -100.0 To 1795. %



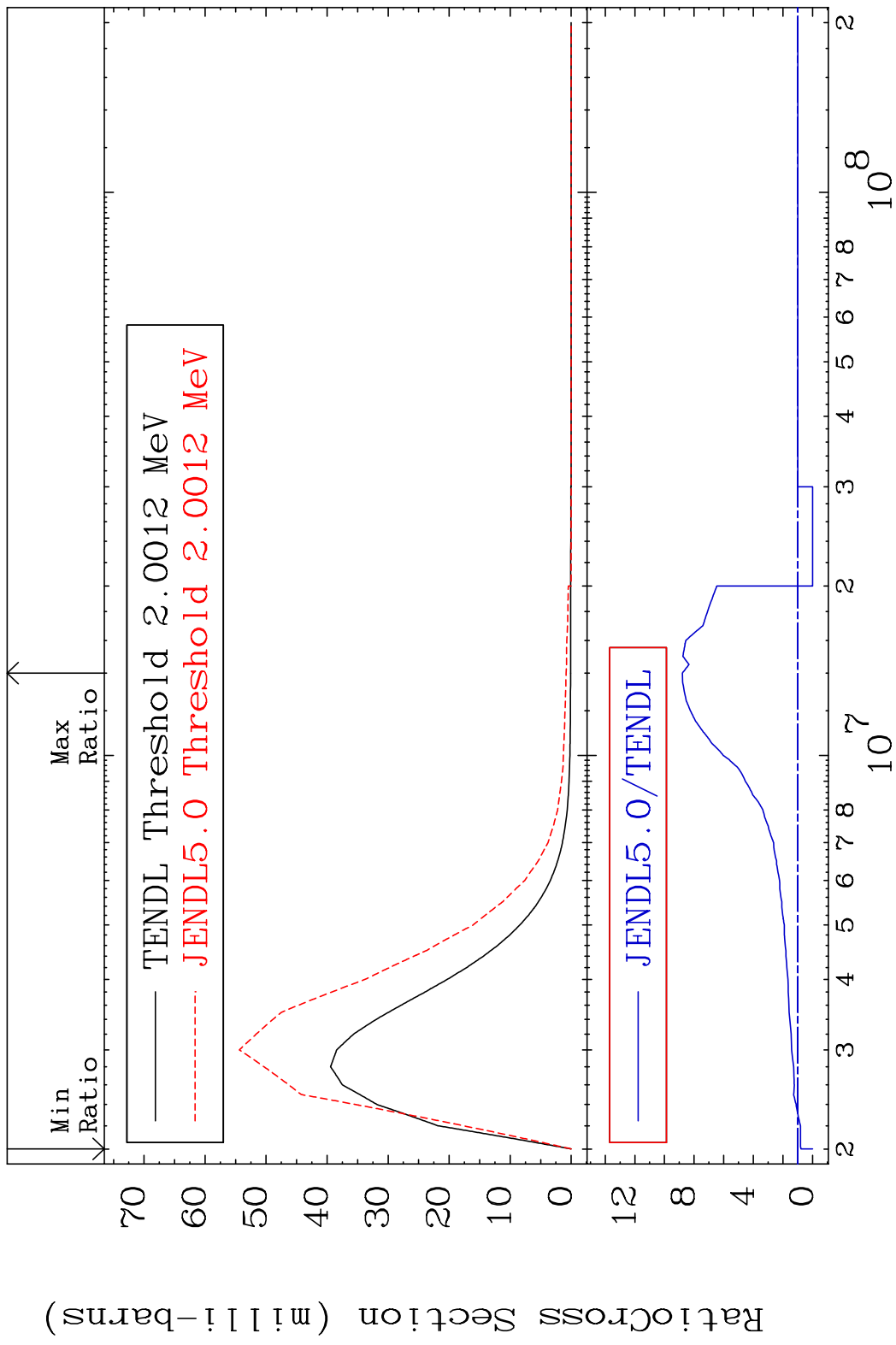
MAT 3125 MT= 62 (n, n') Level 31-Ga-69
 Cross Section -100.0 To 383.5 %



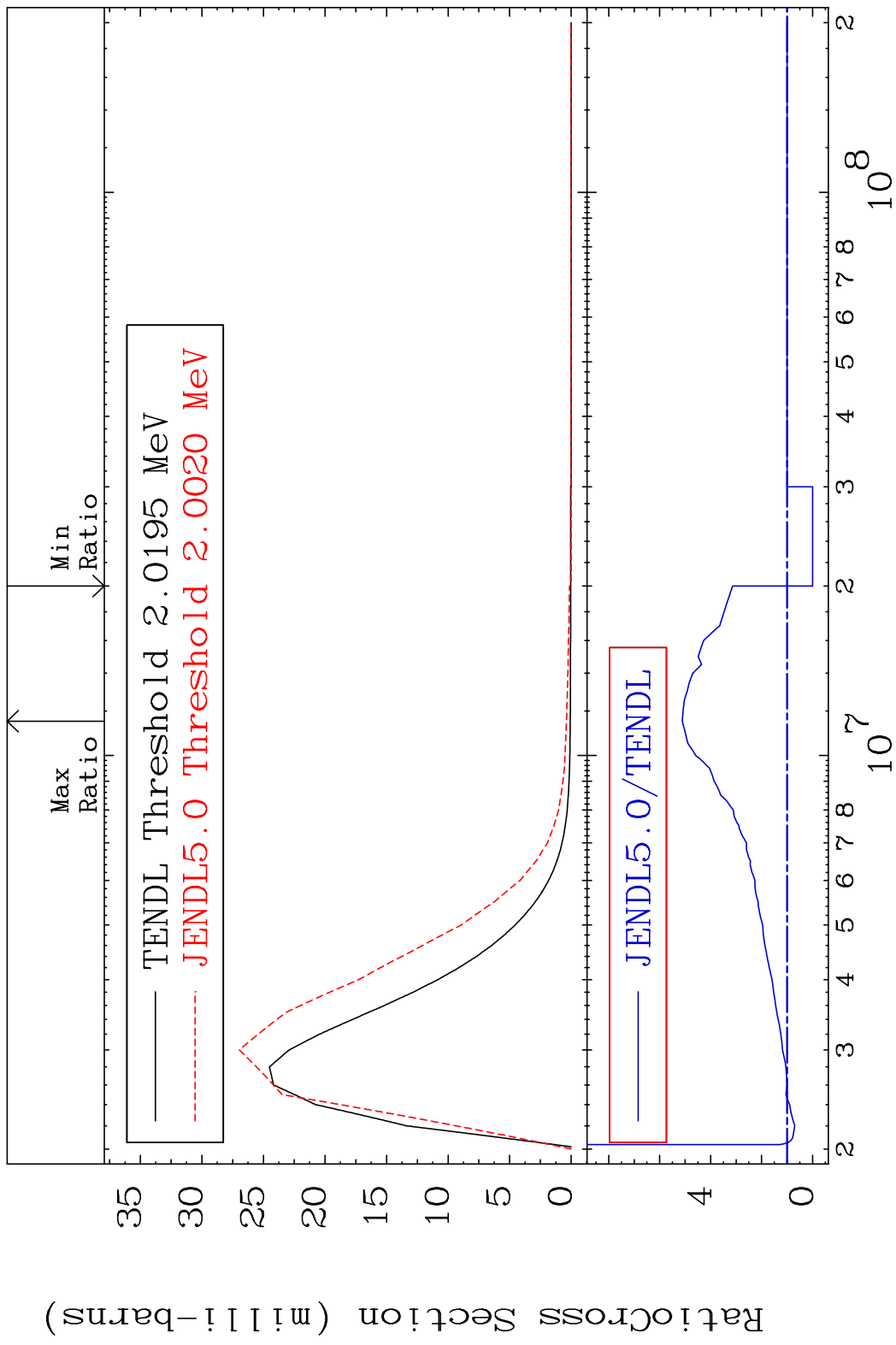
MAT 3125 MT= 63 (n, n') Level 31-Ga-69
 Cross Section -100.0 To 279.9 %



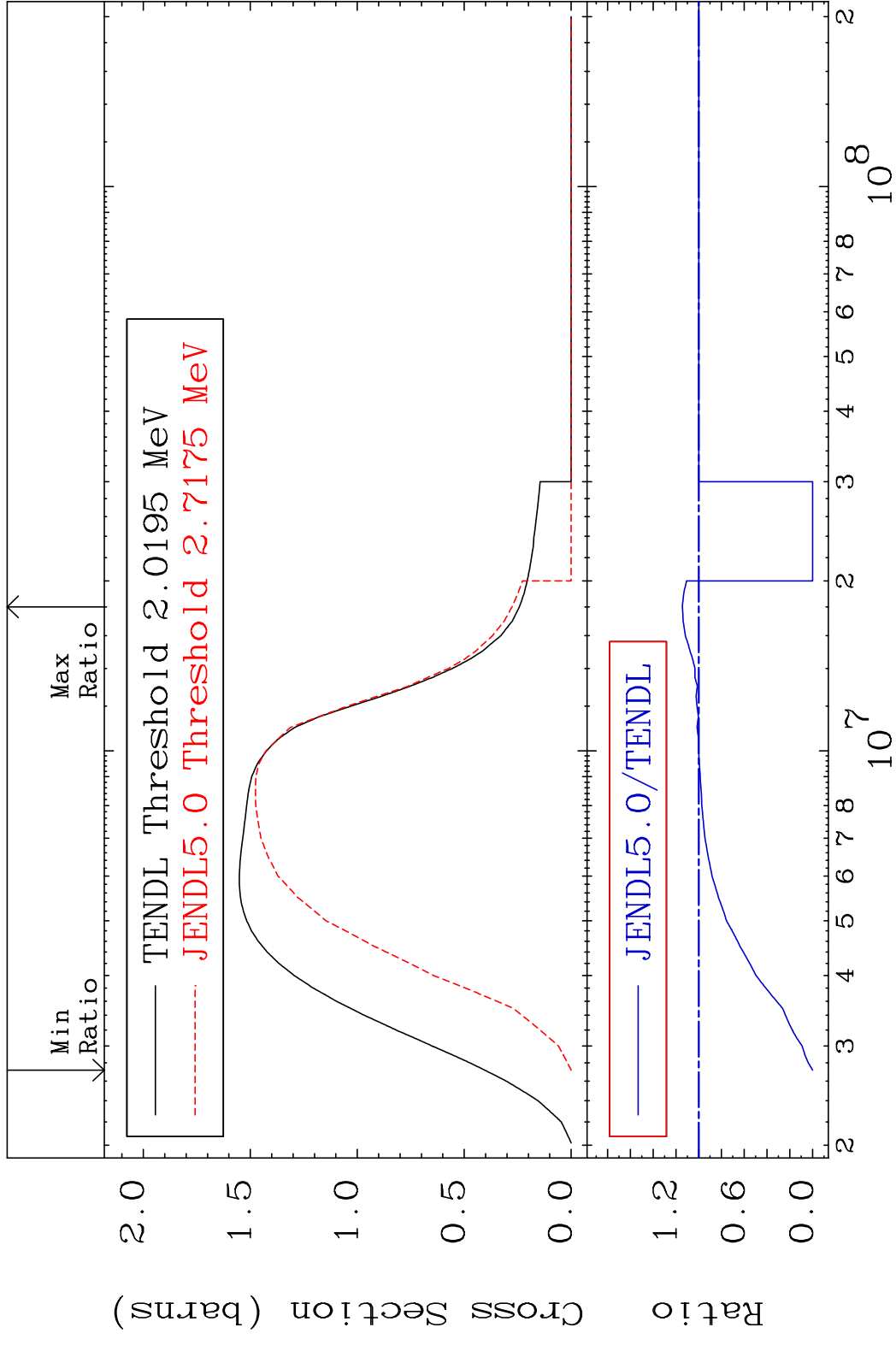
MAT 3125 MT= 64 (n, n') Level 31-Ga-69
 Cross Section -100.0 To 779.2 %



MAT 3125 MT= 65 (n, n') Level 31-Ga-69
 Cross Section -100.0 To 411.0 %



MAT 3125 (n, n') Continuum 31-Ga-69
 Cross Section -100.0 To 14.37 %



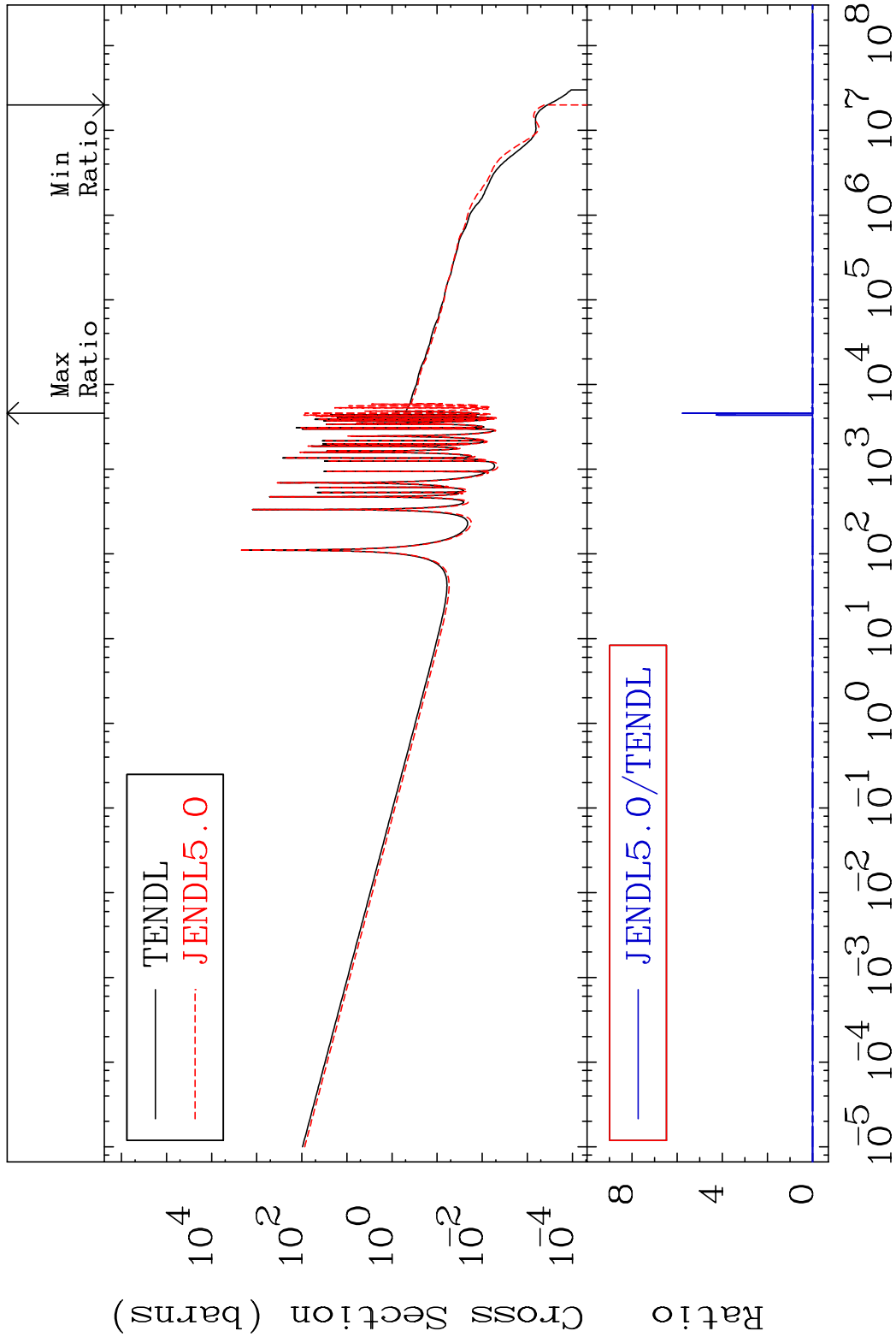
25 Incident Energy (eV) 31-Ga-69

MAT 3125

(n, γ)

31-Ga-69

Cross Section -100.0 To 9999. %

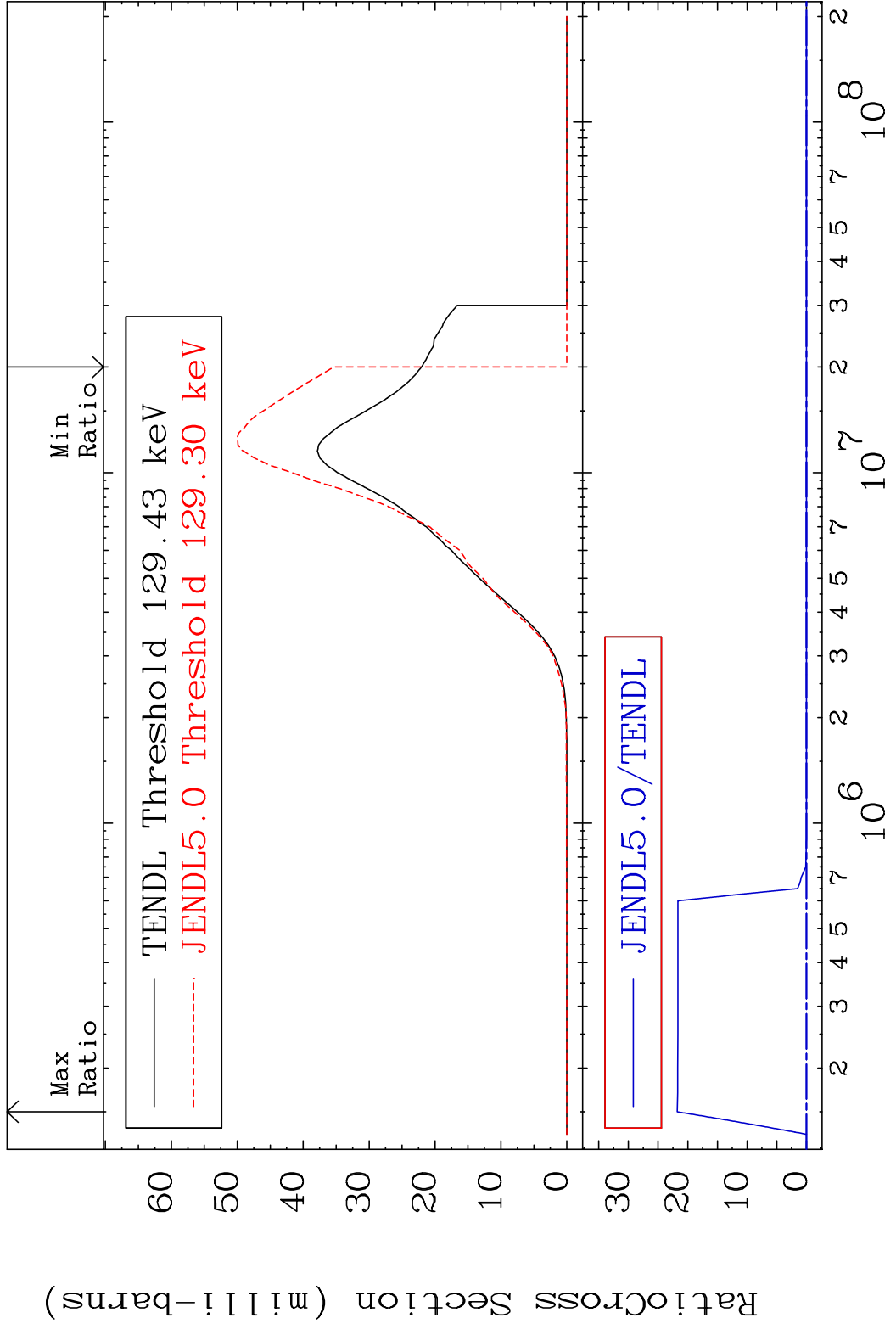


26

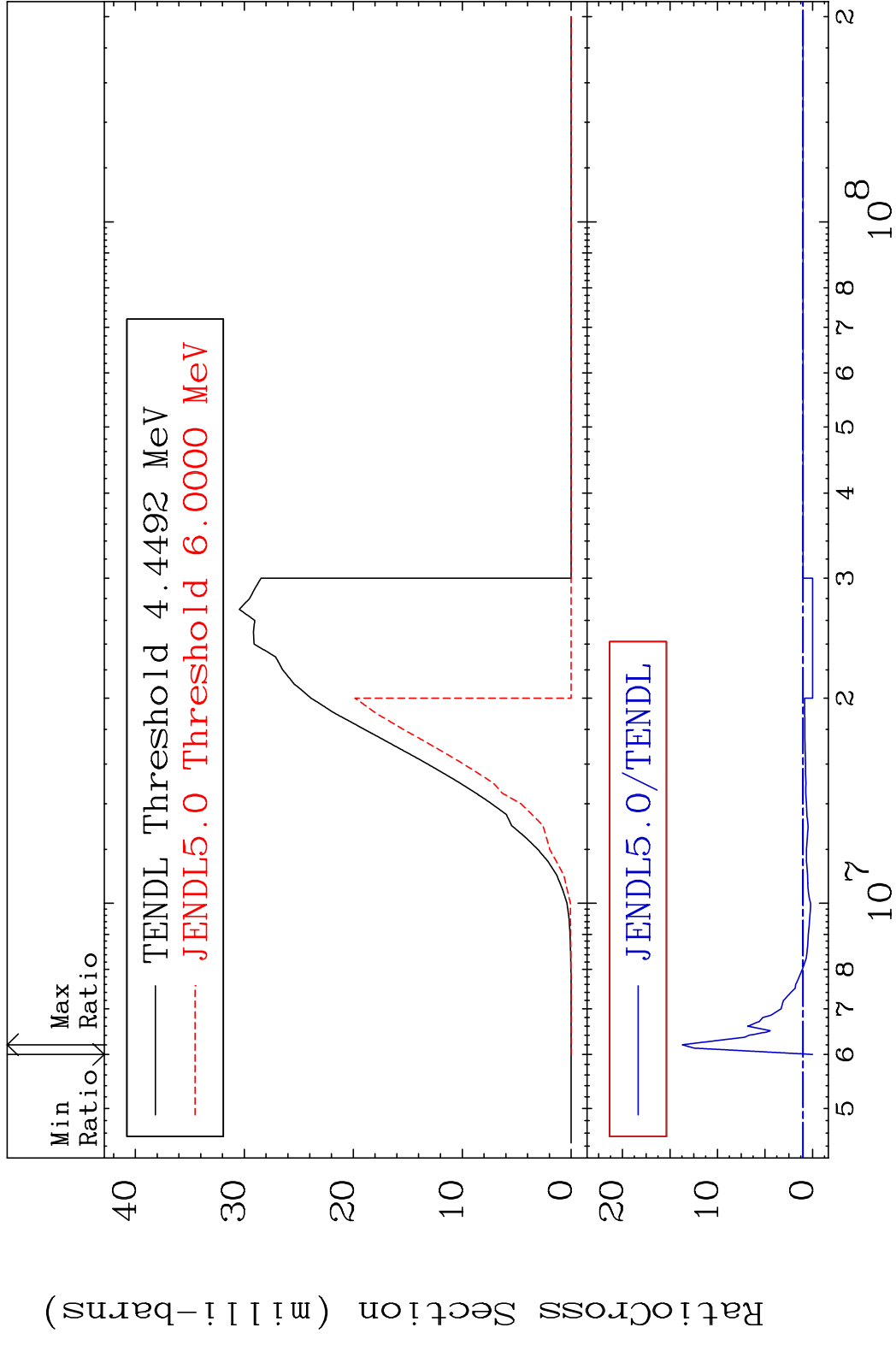
Incident Energy (eV)

31-Ga-69

MAT 3125 (n,p) 31-Ga-69
 Cross Section -100.0 To 9999. %



MAT 3125 (n,d) 31-Ga-69
 Cross Section -100.0 To 1270. %

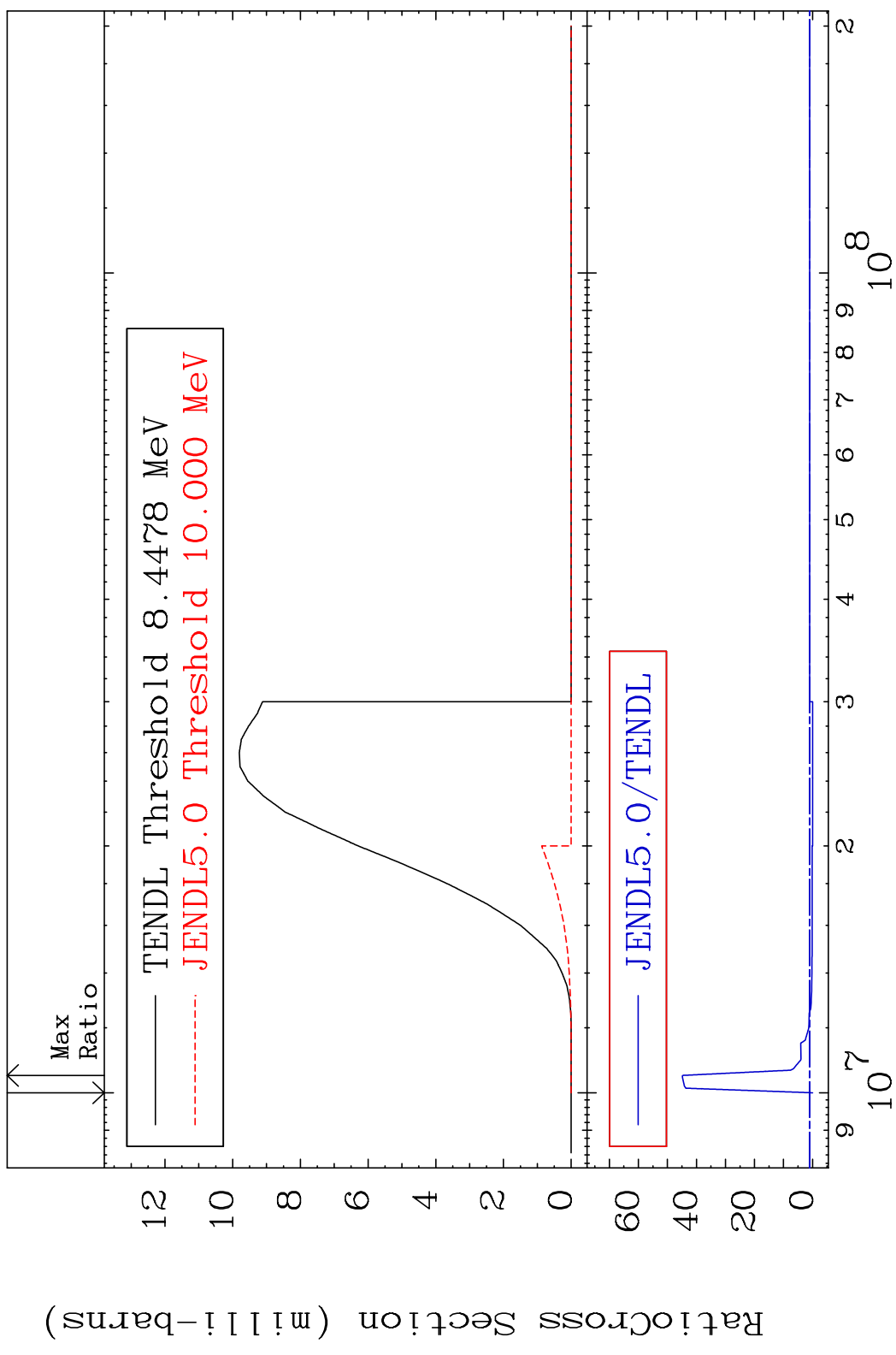


MAT 3125

(n, t)

31-Ga-69

Cross Section -100.0 To 4385. %

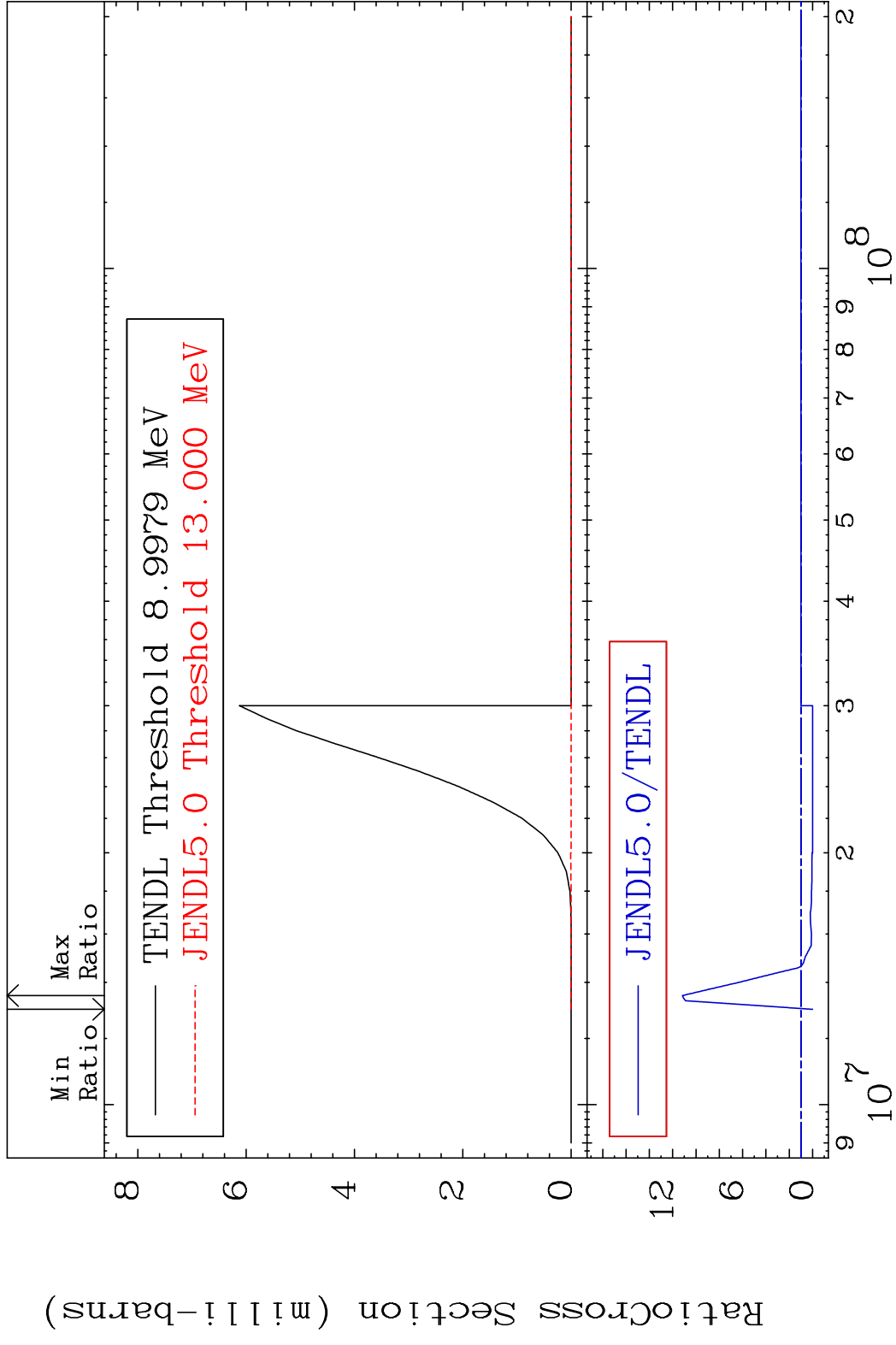


29

Incident Energy (eV)

31-Ga-69

MAT 3125 (n, He-3) 31-Ga-69
 Cross Section -100.0 To 1017. %



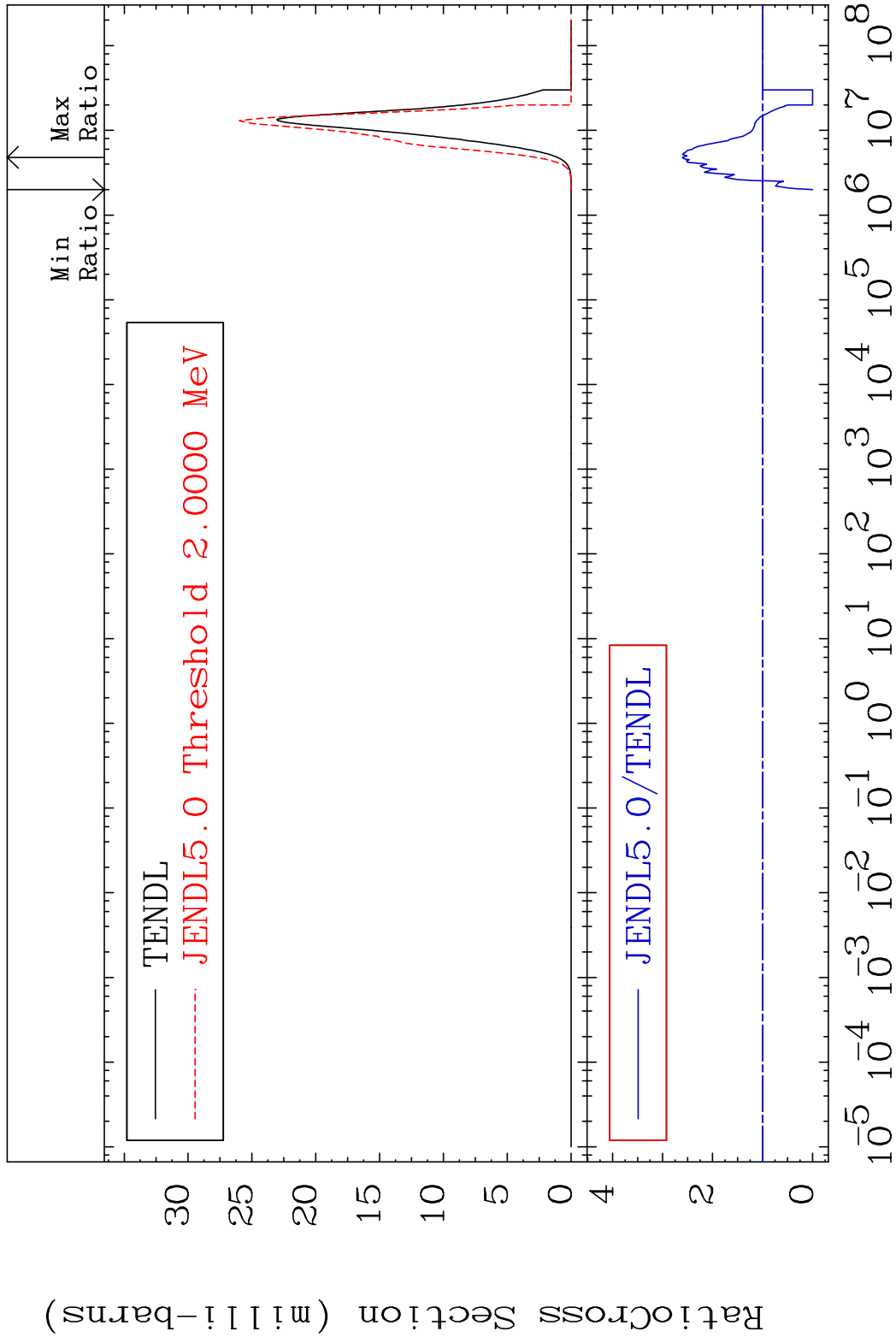
30 Incident Energy (eV) 31-Ga-69

MAT 3125

(n, α)

31-Ga-69

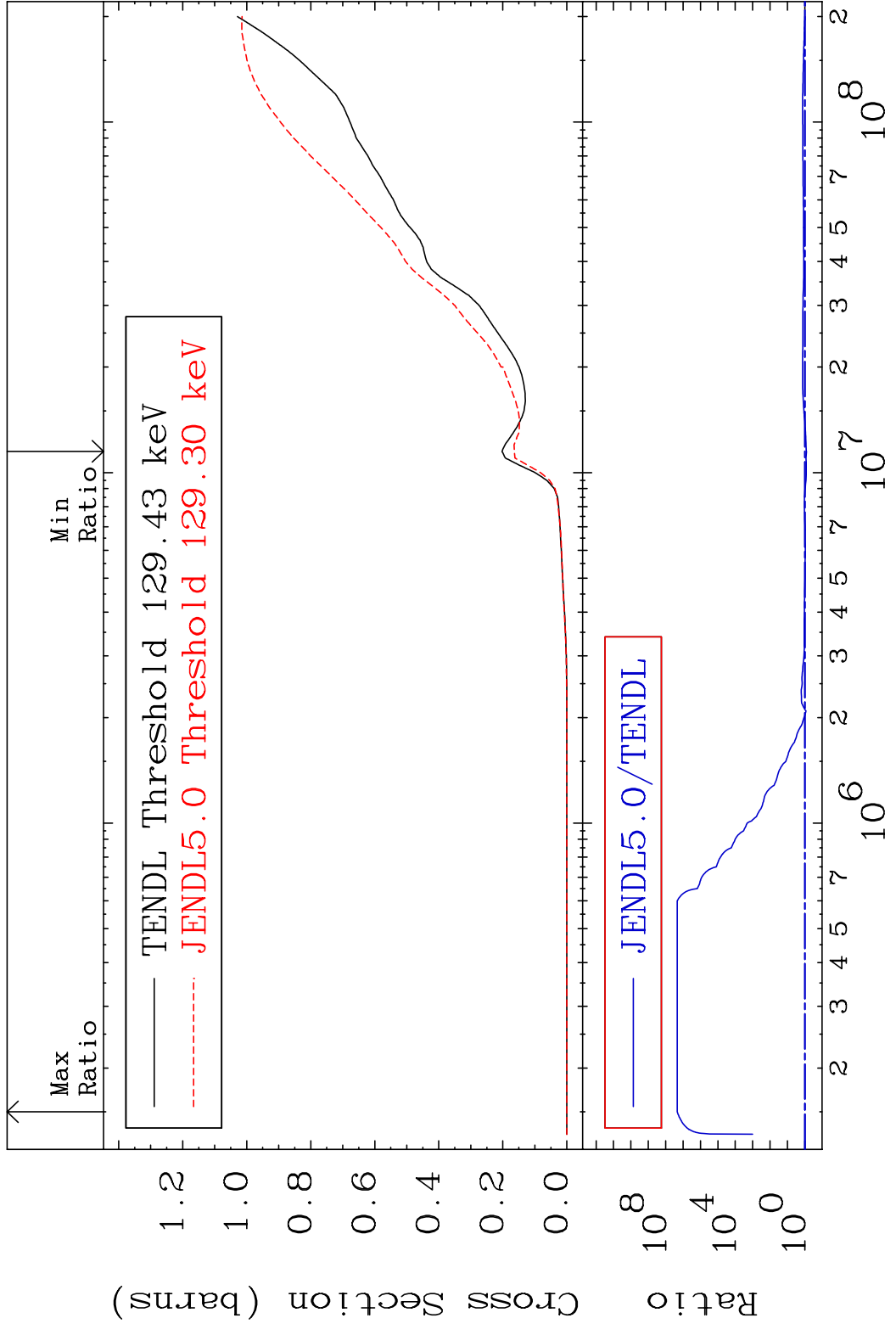
Cross Section -100.0 To 160.5 %



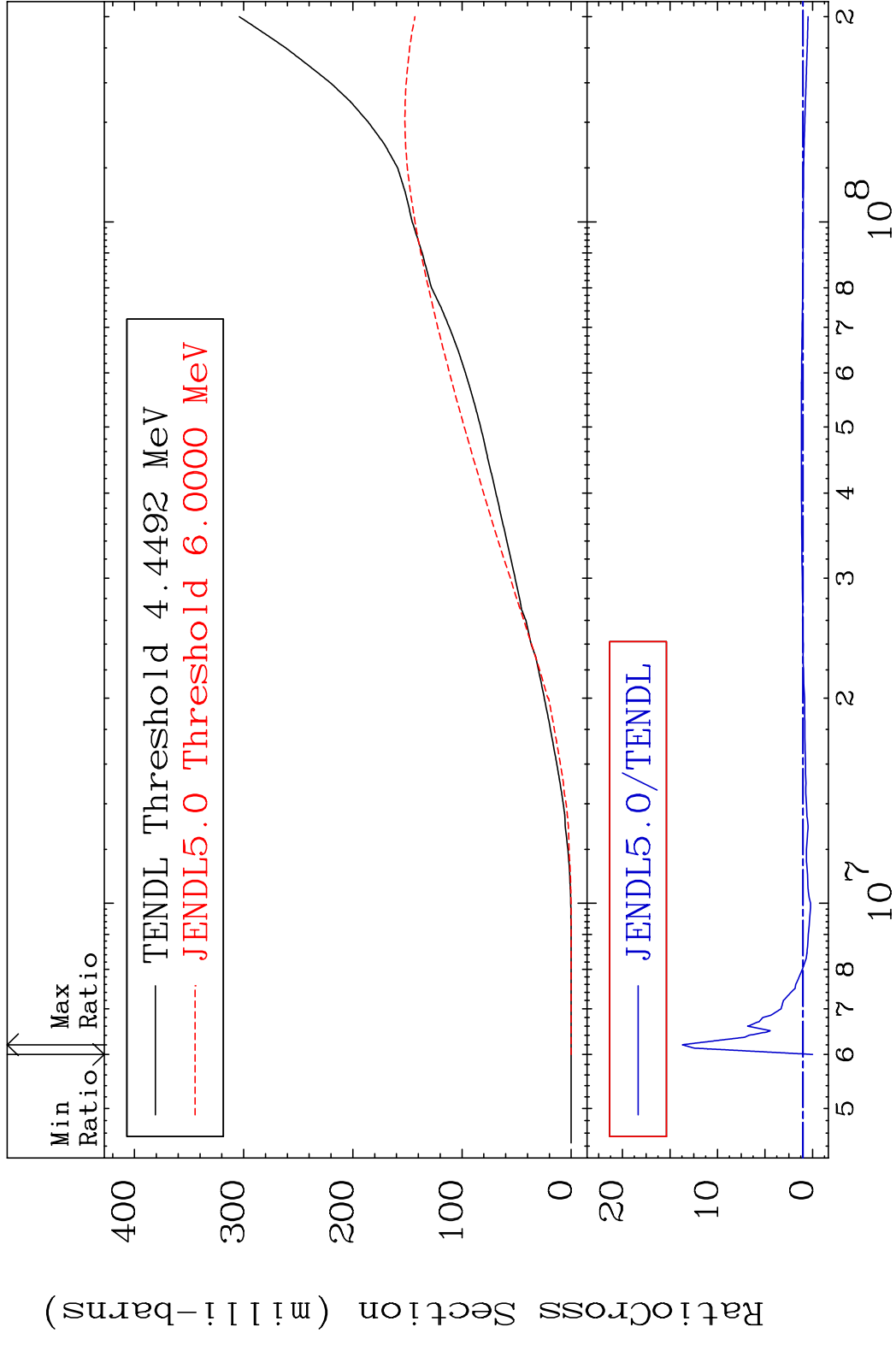
31

Incident Energy (eV)

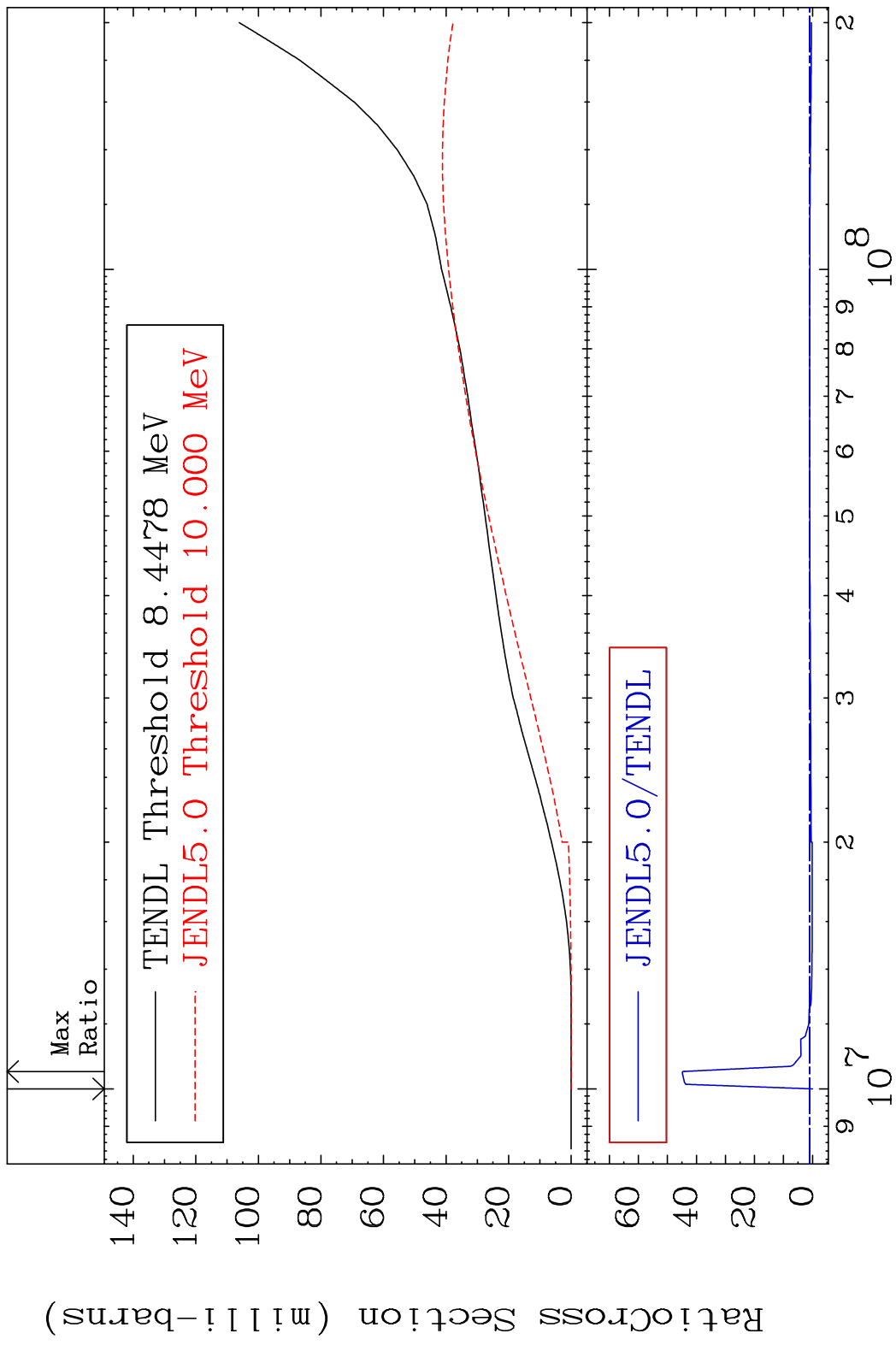
31-Ga-69



MAT 3125 Deuterium Production 31-Ga-69
 Cross Section -100.0 To 1270. %



MAT 3125 Tritium Production 31-Ga-69
 Cross Section -100.0 To 4385. %

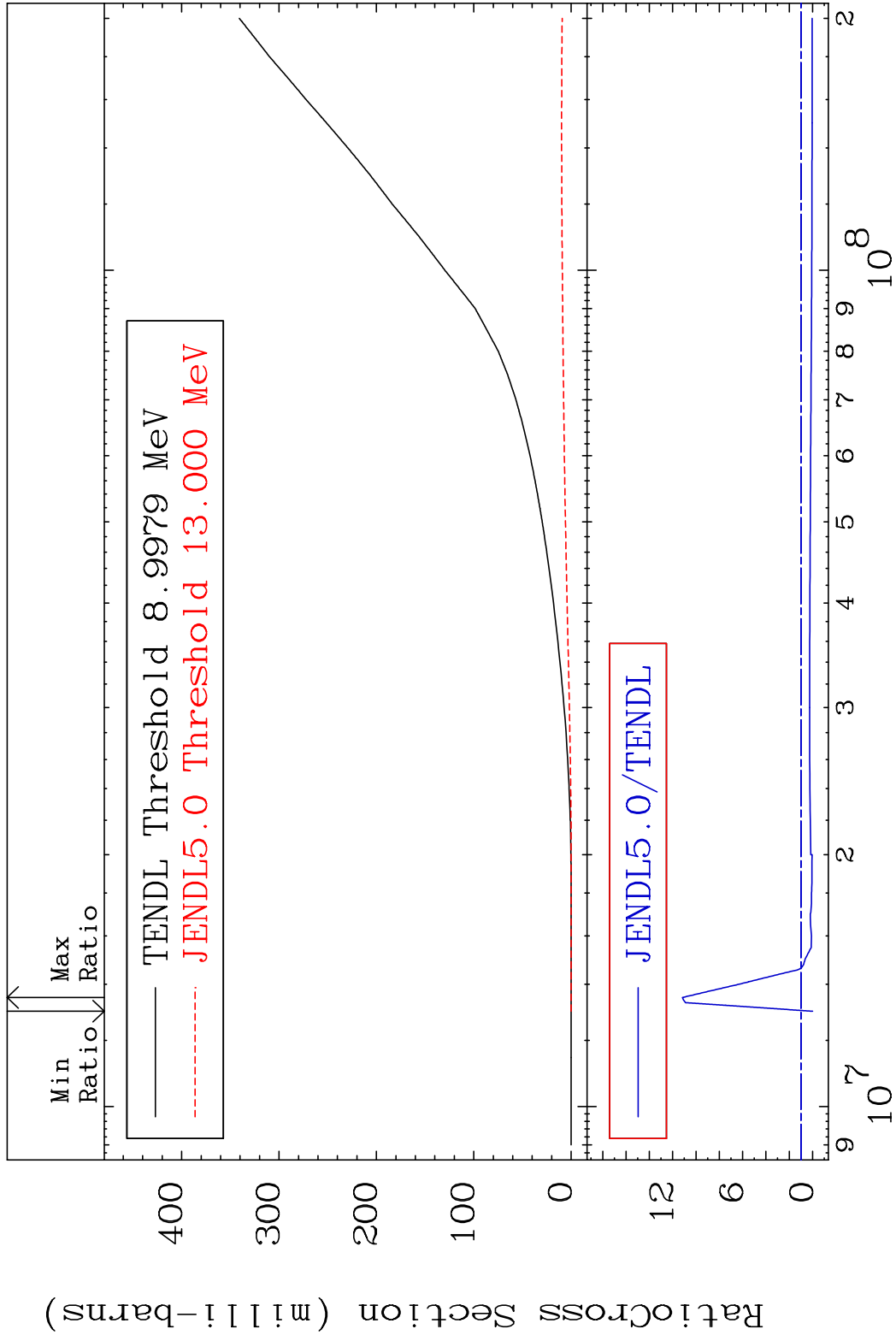


MAT 3125

He-3 Production

31-Ga-69

Cross Section -100.0 To 1017. %

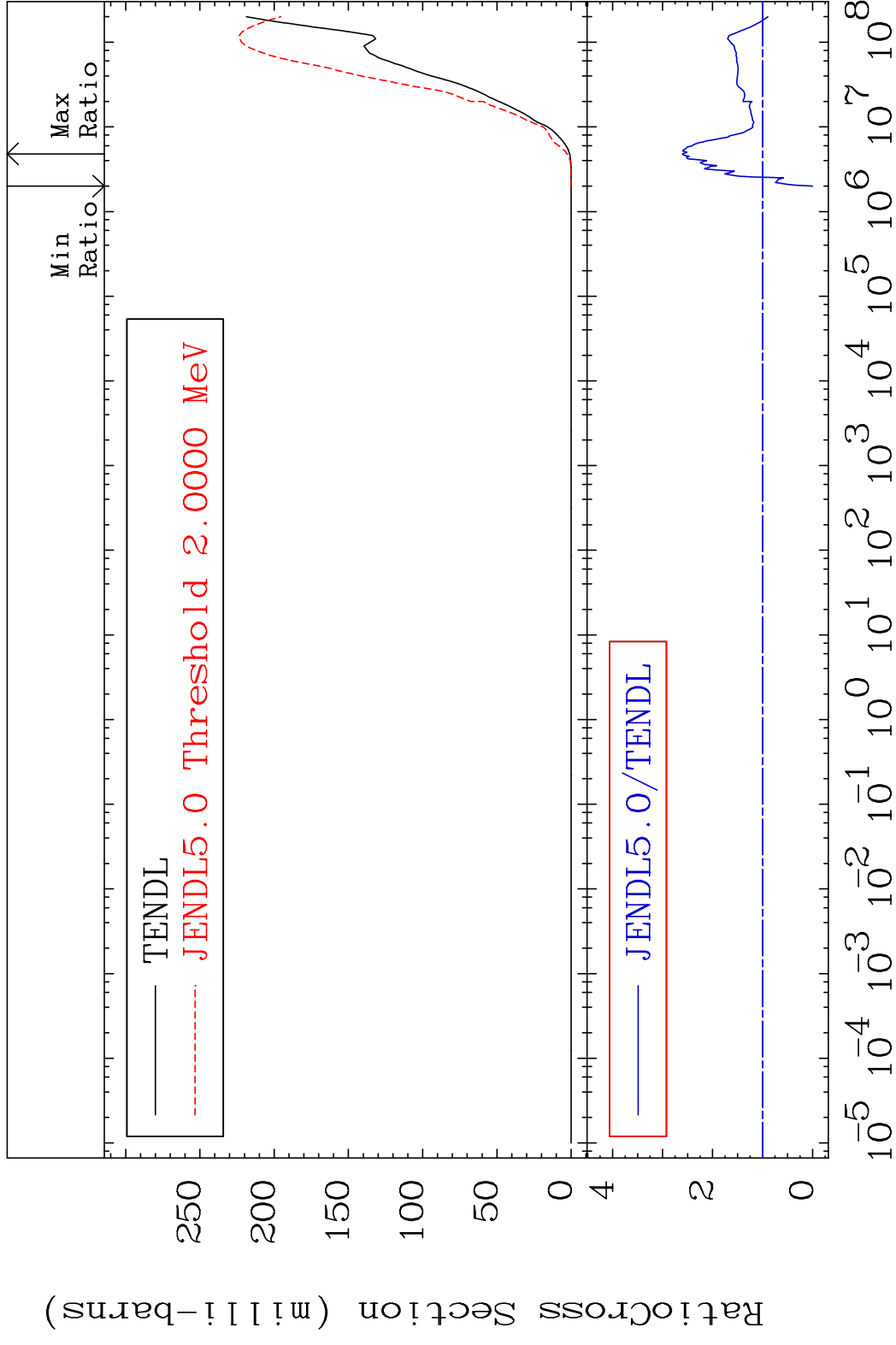


35

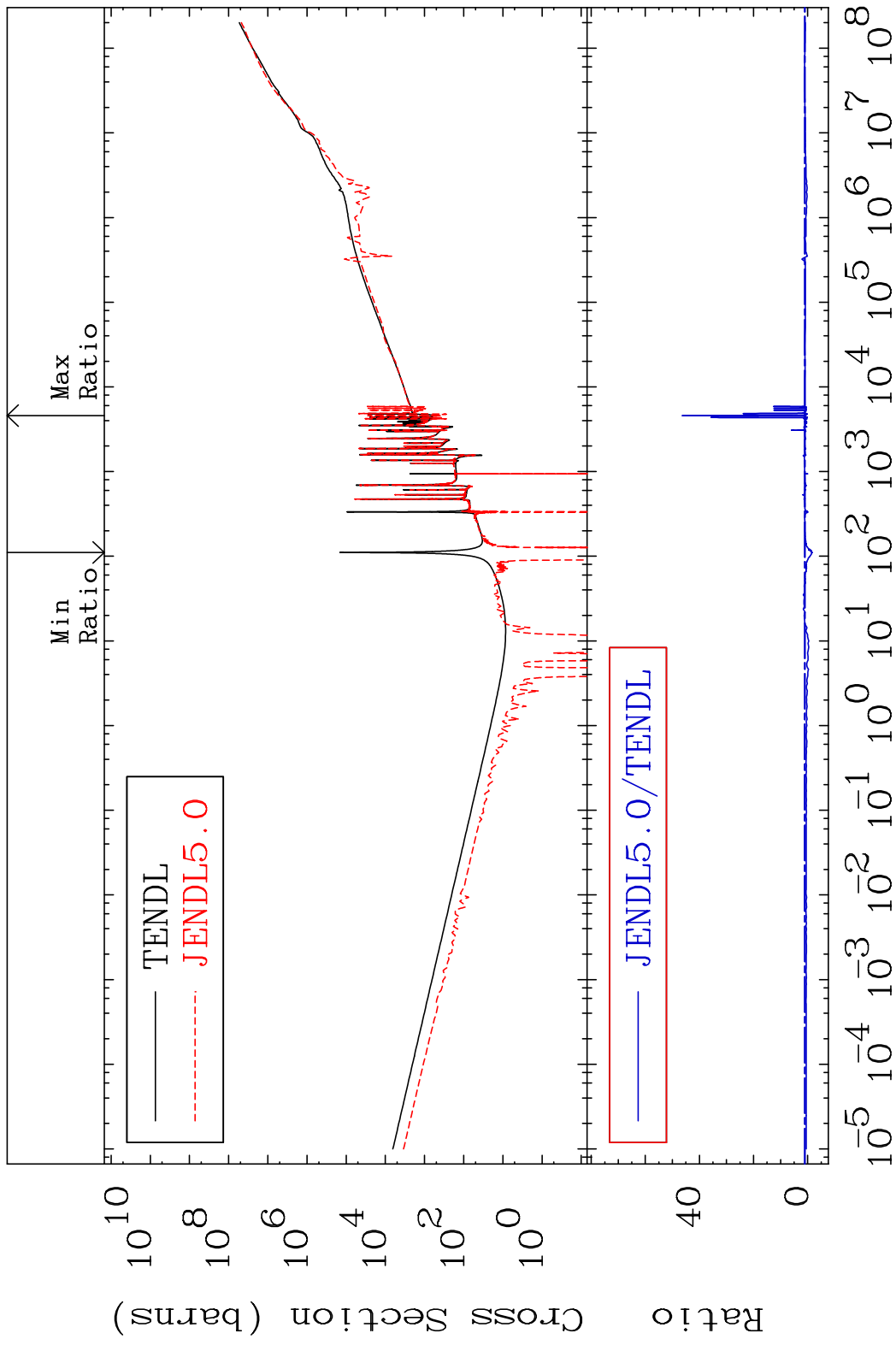
Incident Energy (eV)

31-Ga-69

Cross Section -100.0 To 160.5 %



MAT 3125 Kerma total (eV-barns) 31-Ga-69
 Cross Section -281.4 To 4531. %

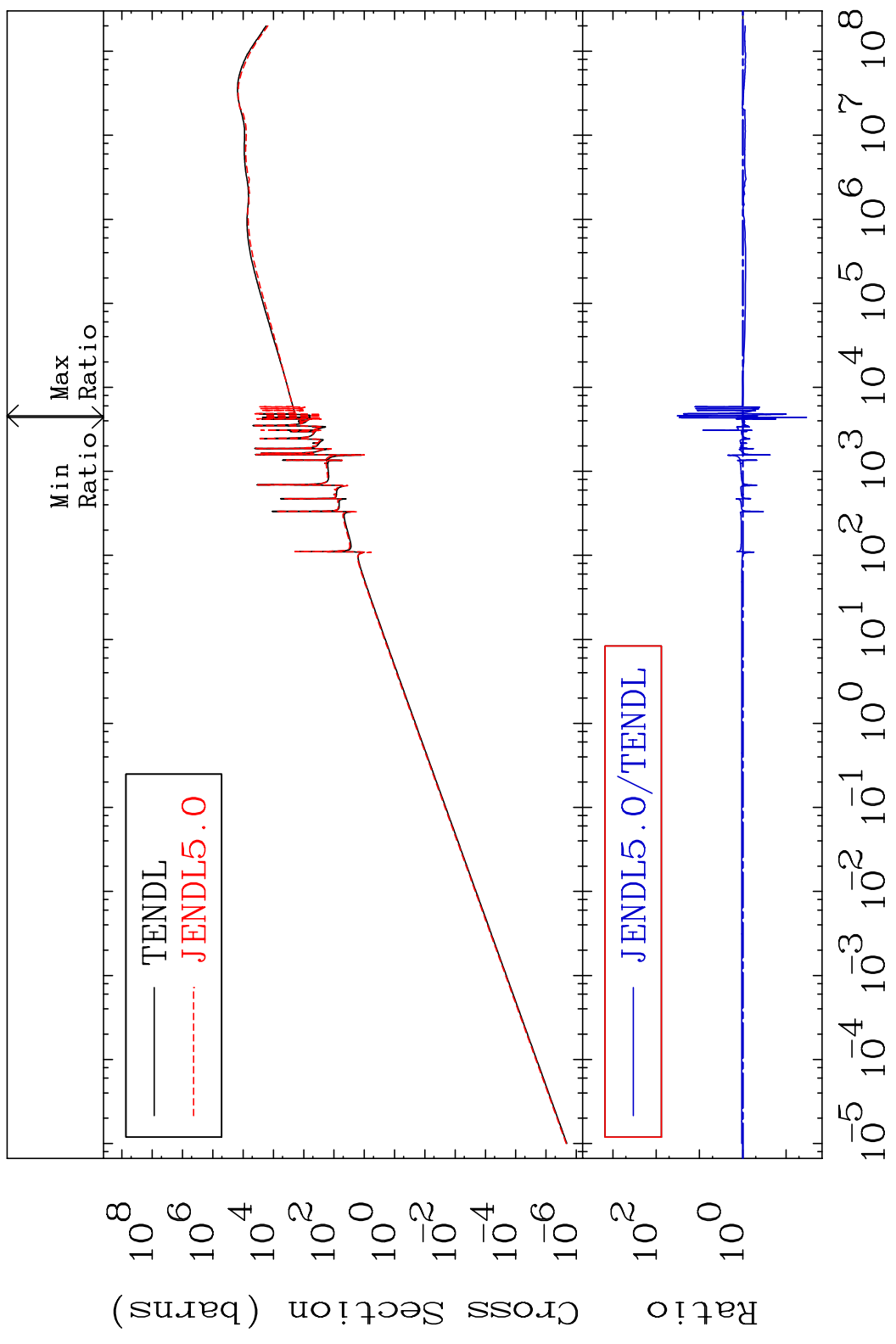


37 Incident Energy (eV) 31-Ga-69

MAT 3125

Kerma elastic Cross Section -96.61 To 3166. %

31-Ga-69

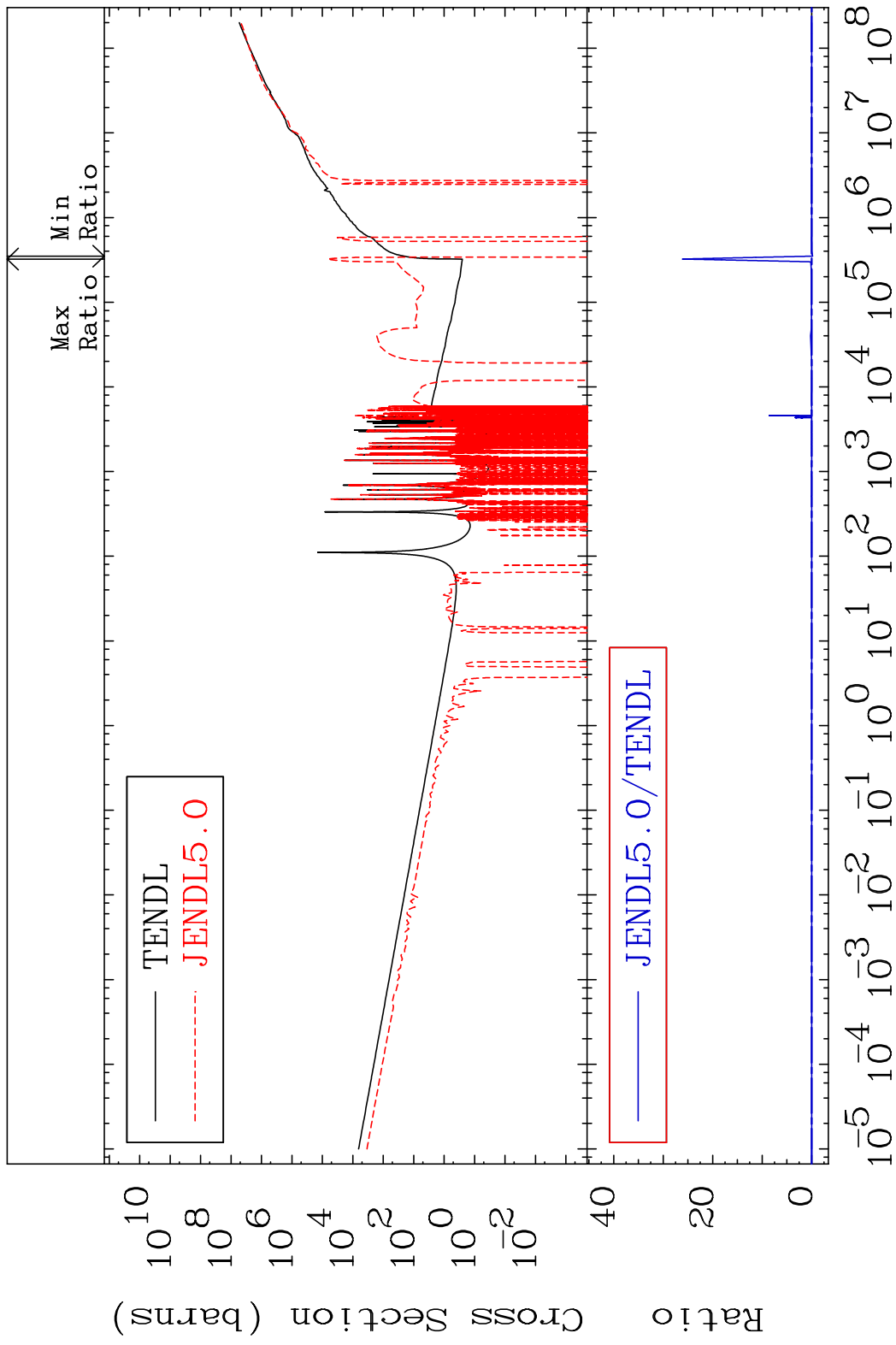


38

Incident Energy (eV)

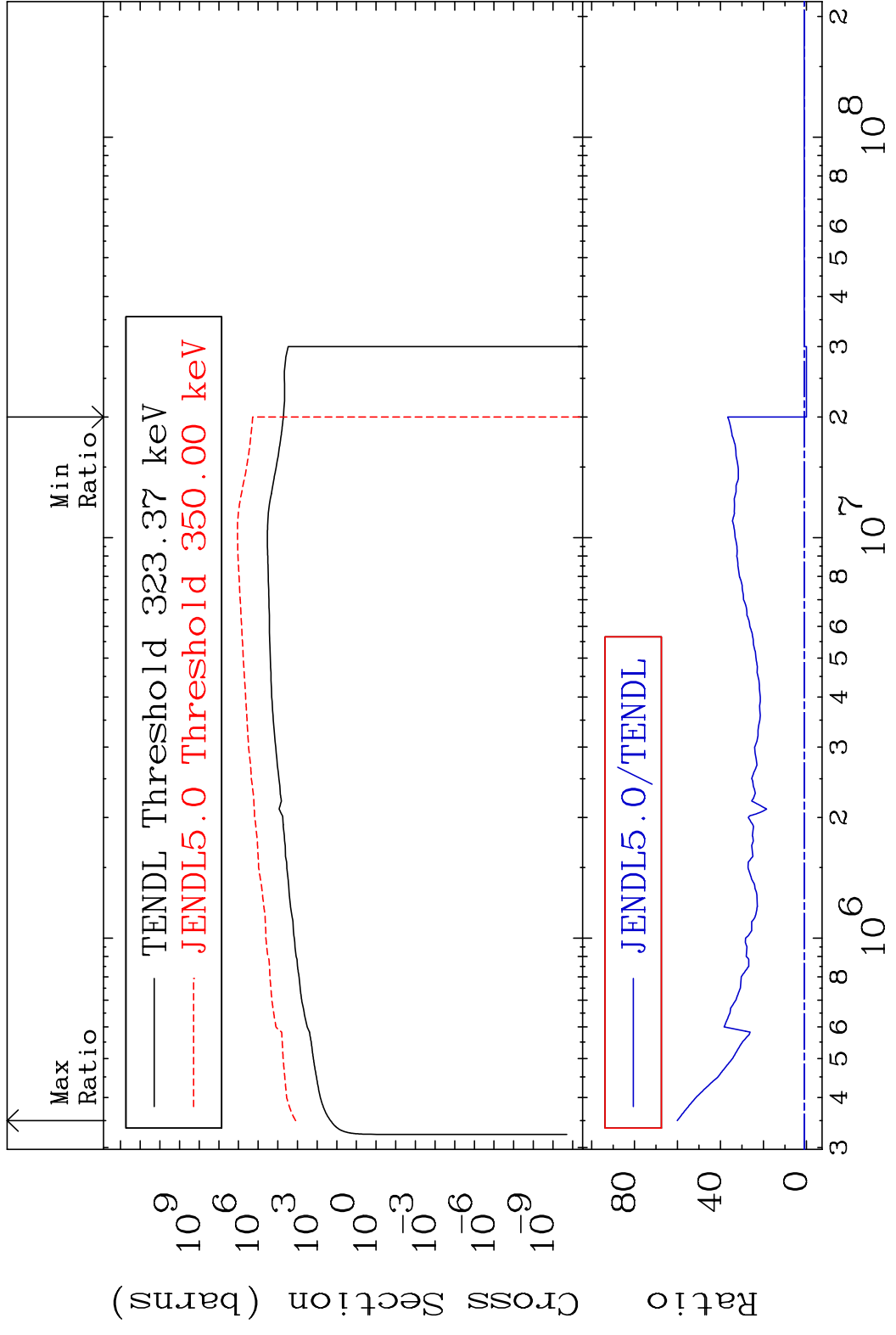
31-Ga-69

MAT 3125 Kerma non-elastic (all but mt2) 31-Ga-69
 Cross Section -9999. To 9999. %



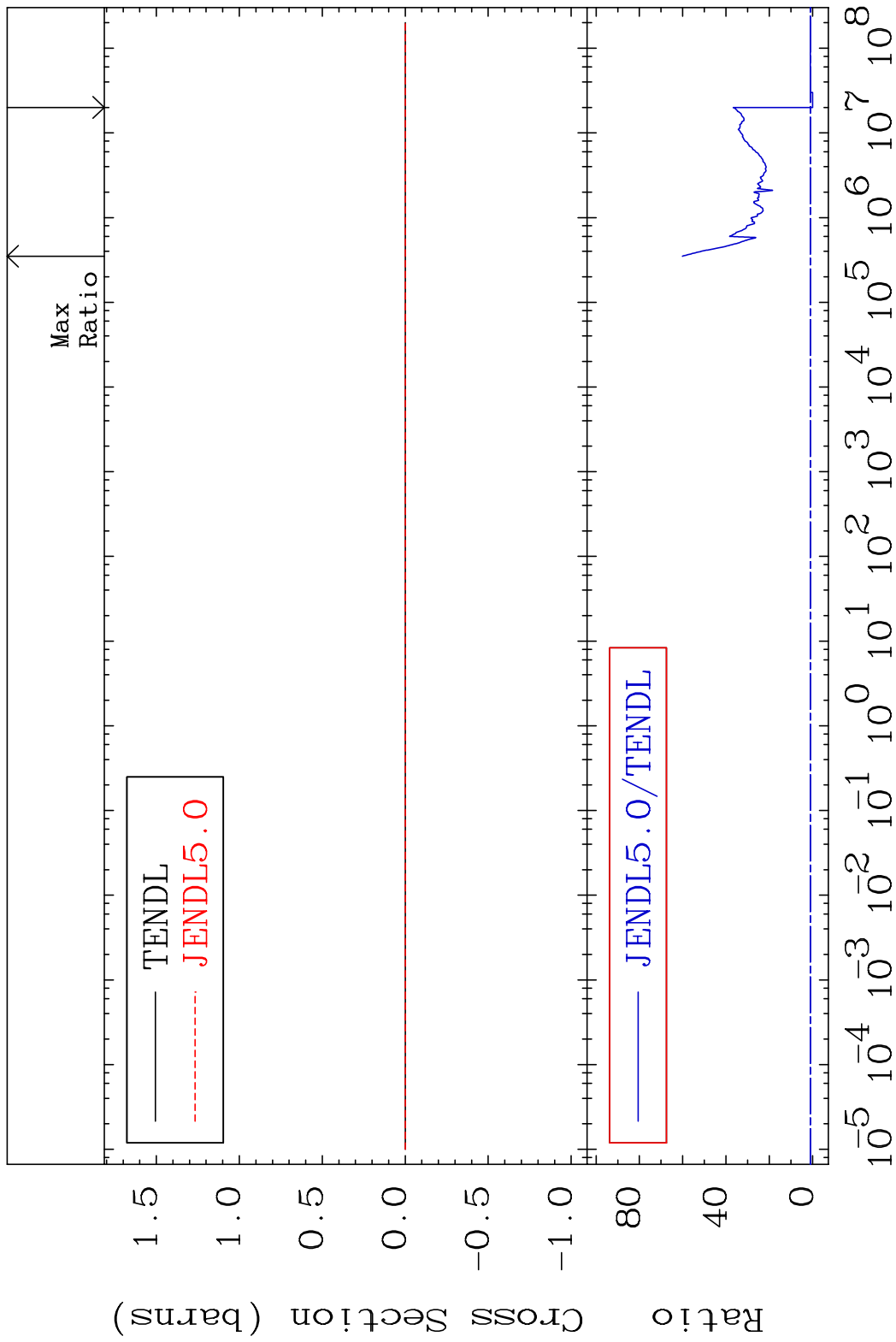
39 Incident Energy (eV) 31-Ga-69

MAT 3125 Kerma inelastic (mt51-91) 31-Ga-69
 Cross Section -100.0 To 5915. %

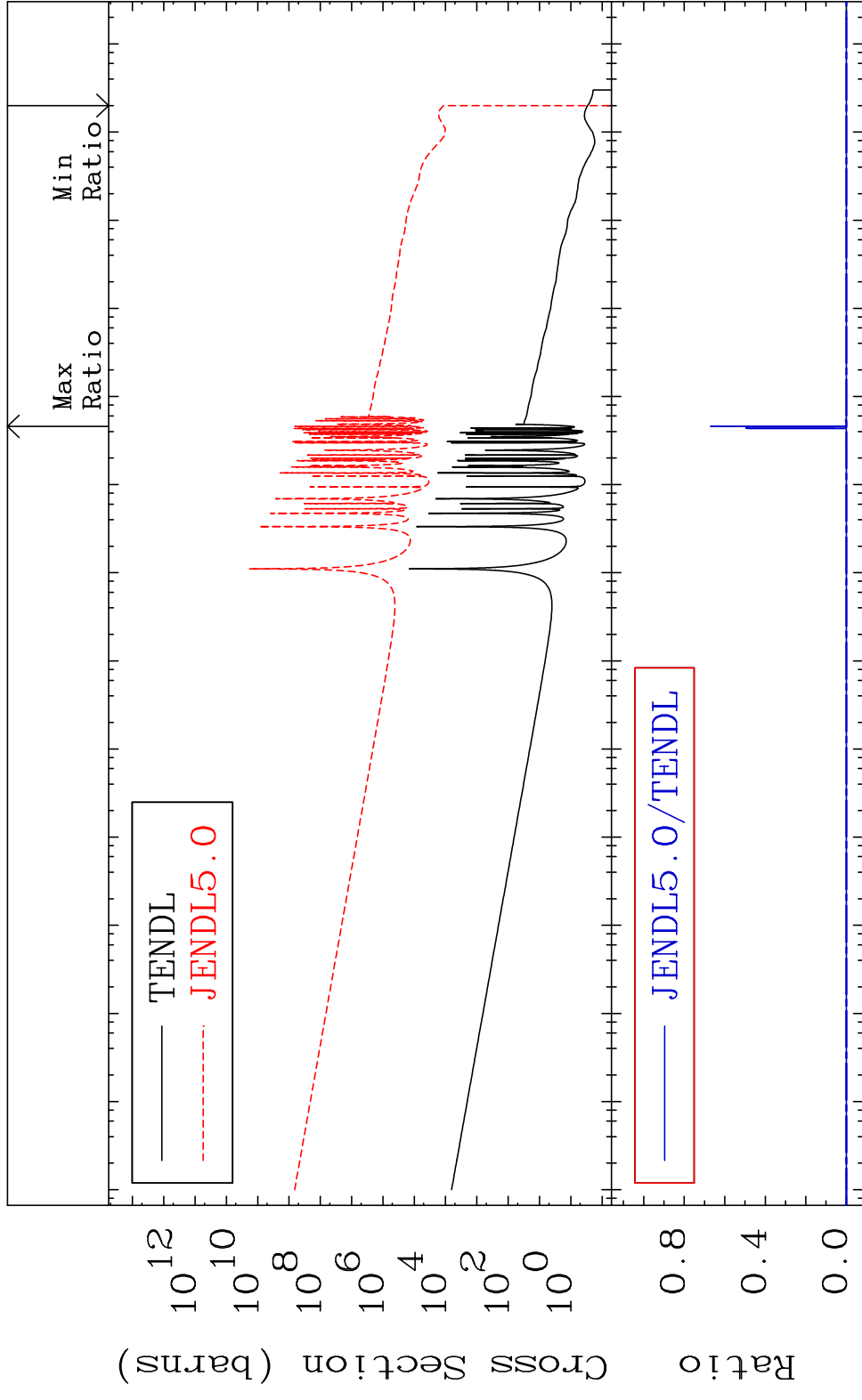


40 Incident Energy (eV) 31-Ga-69

MAT 3125 Kerma fission (mt18 or mt19-20-21-38) 31-Ga-69
 Cross Section -100.0 To 5915. %

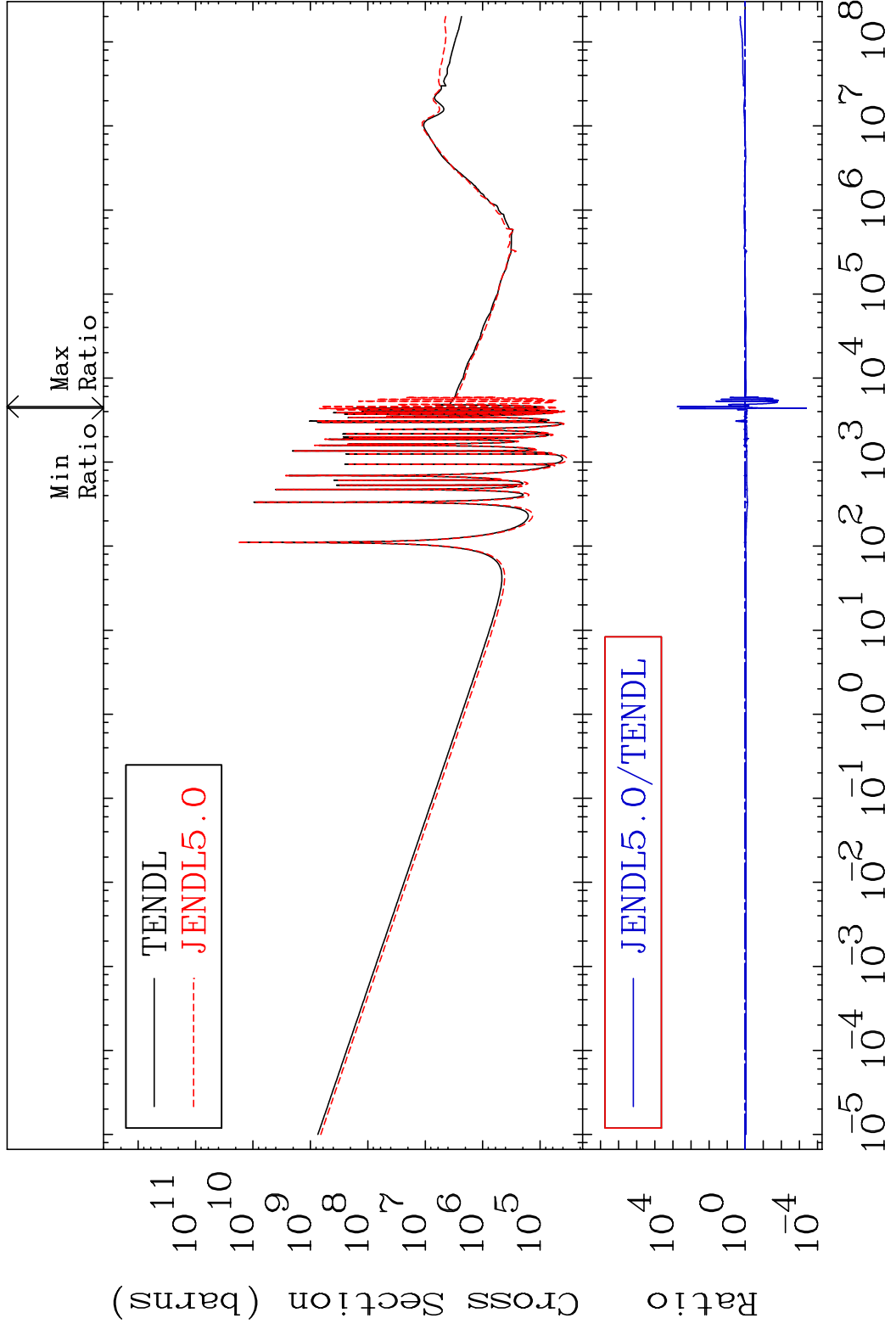


MAT 3125 Kerma capture (mt102) 31-Ga-69
 Cross Section -100.0 To 9999. %

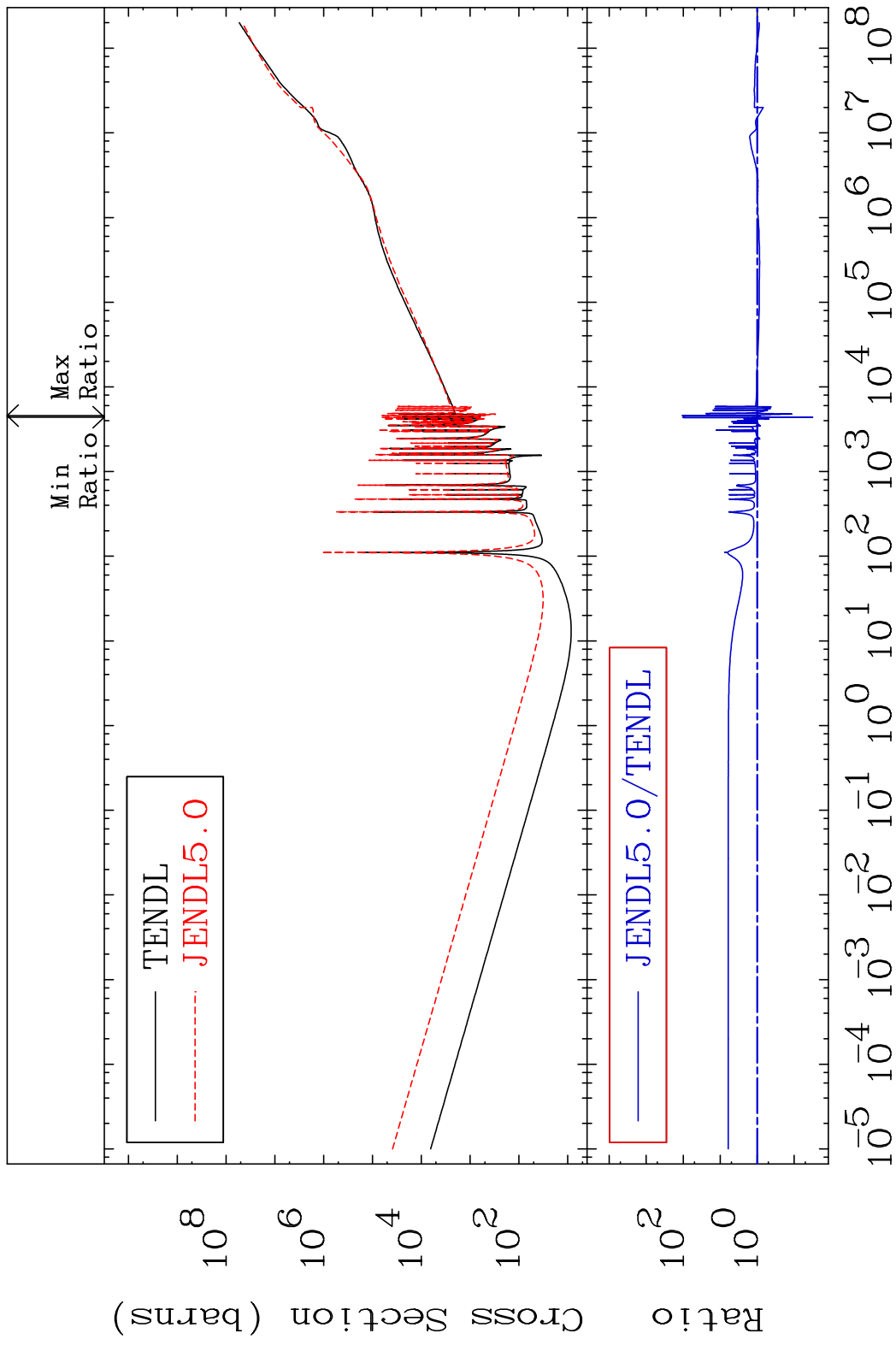


42 Incident Energy (eV) 31-Ga-69

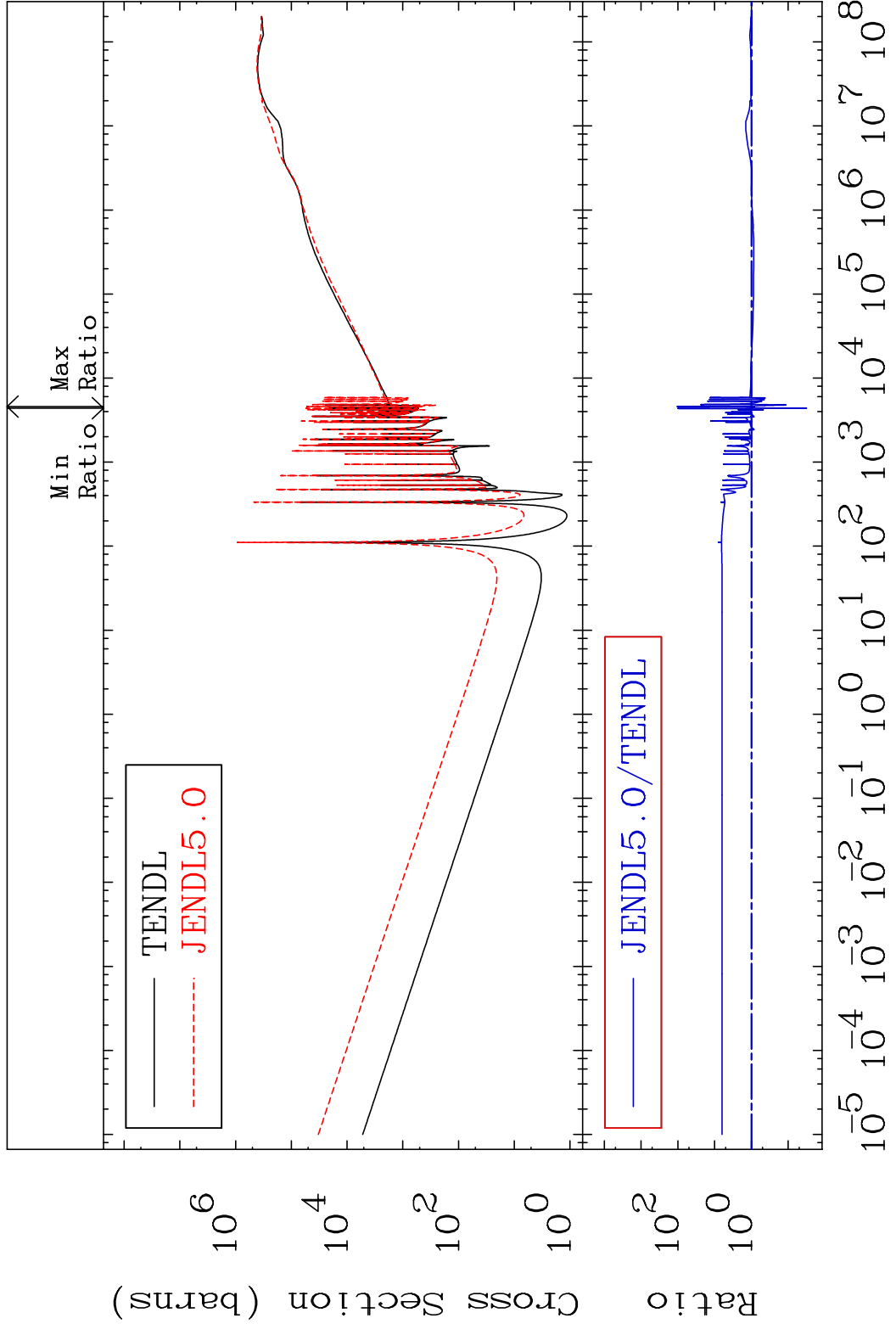
MAT 3125 Total photon (eV-barns) 31-Ga-69
Cross Section -99.96 To 9999. %



MAT 3125 Total kinematic kerma (high limit) 31-Ga-69
 Cross Section -96.81 To 9999. %



MAT 3125 Dpa total (eV-barns) 31-Ga-69
 Cross Section -96.80 To 9999. %

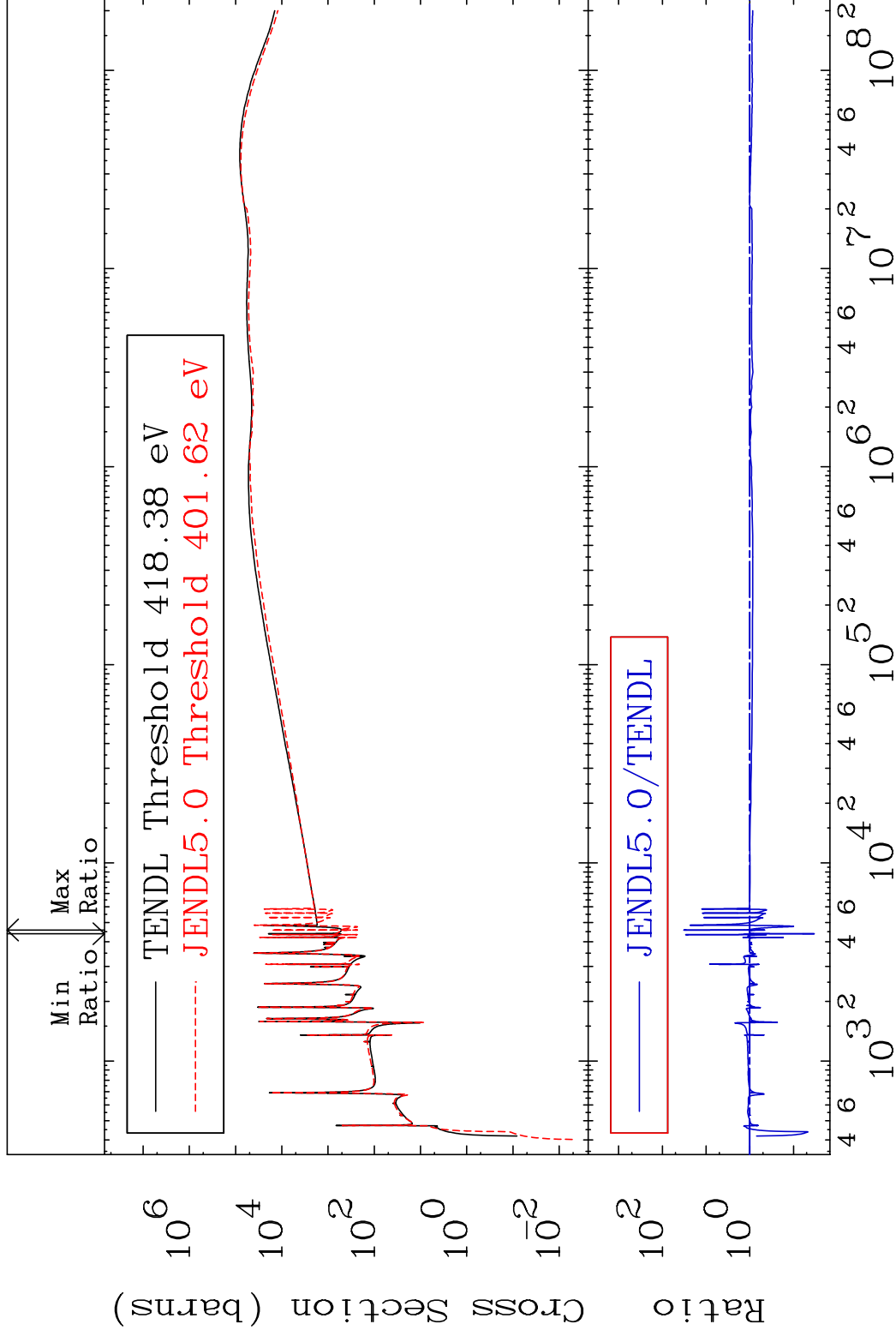


MAT 3125

Dpa elastic (mt2)

31-Ga-69

Cross Section -96.61 To 3164. %

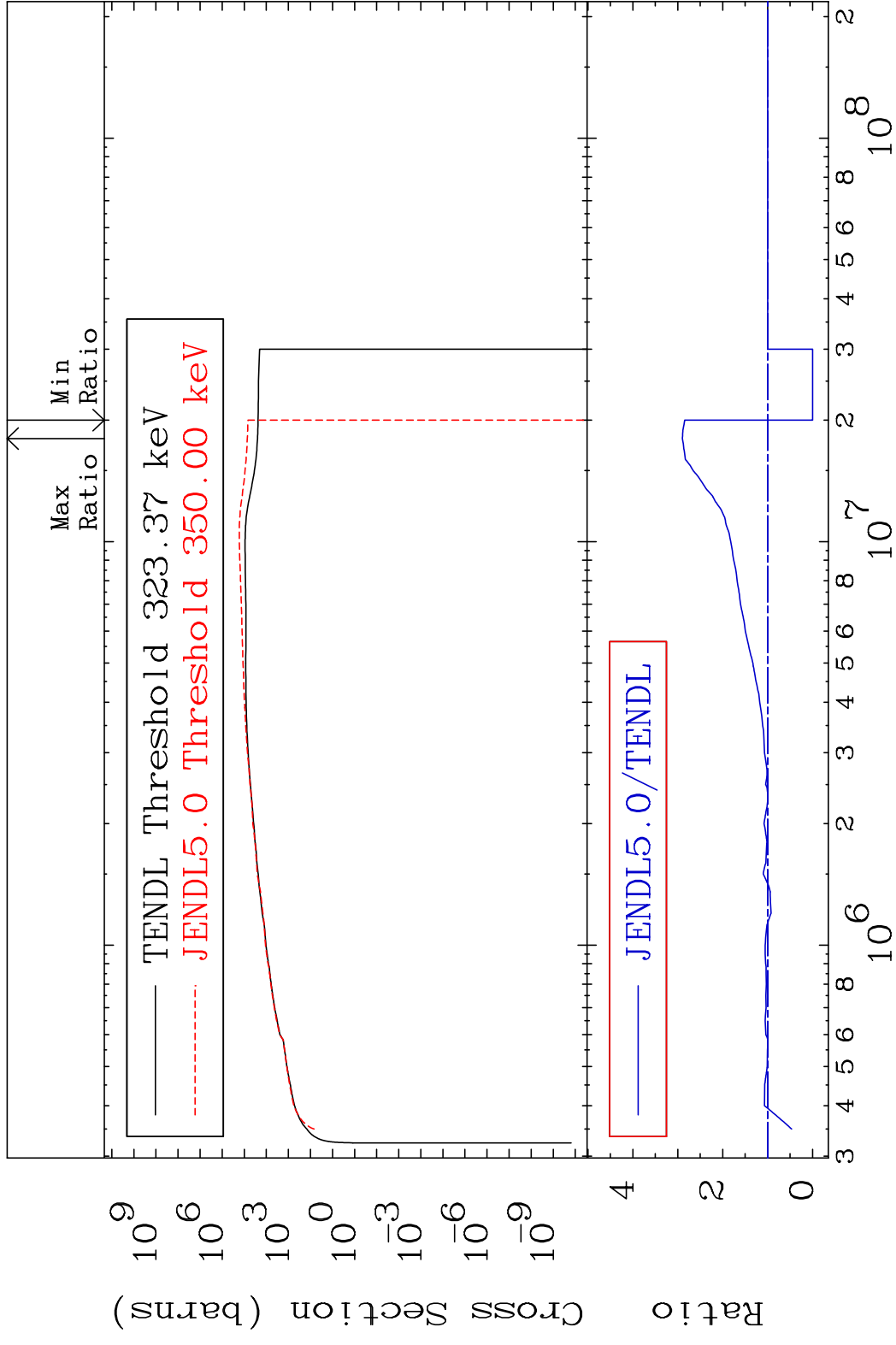


46

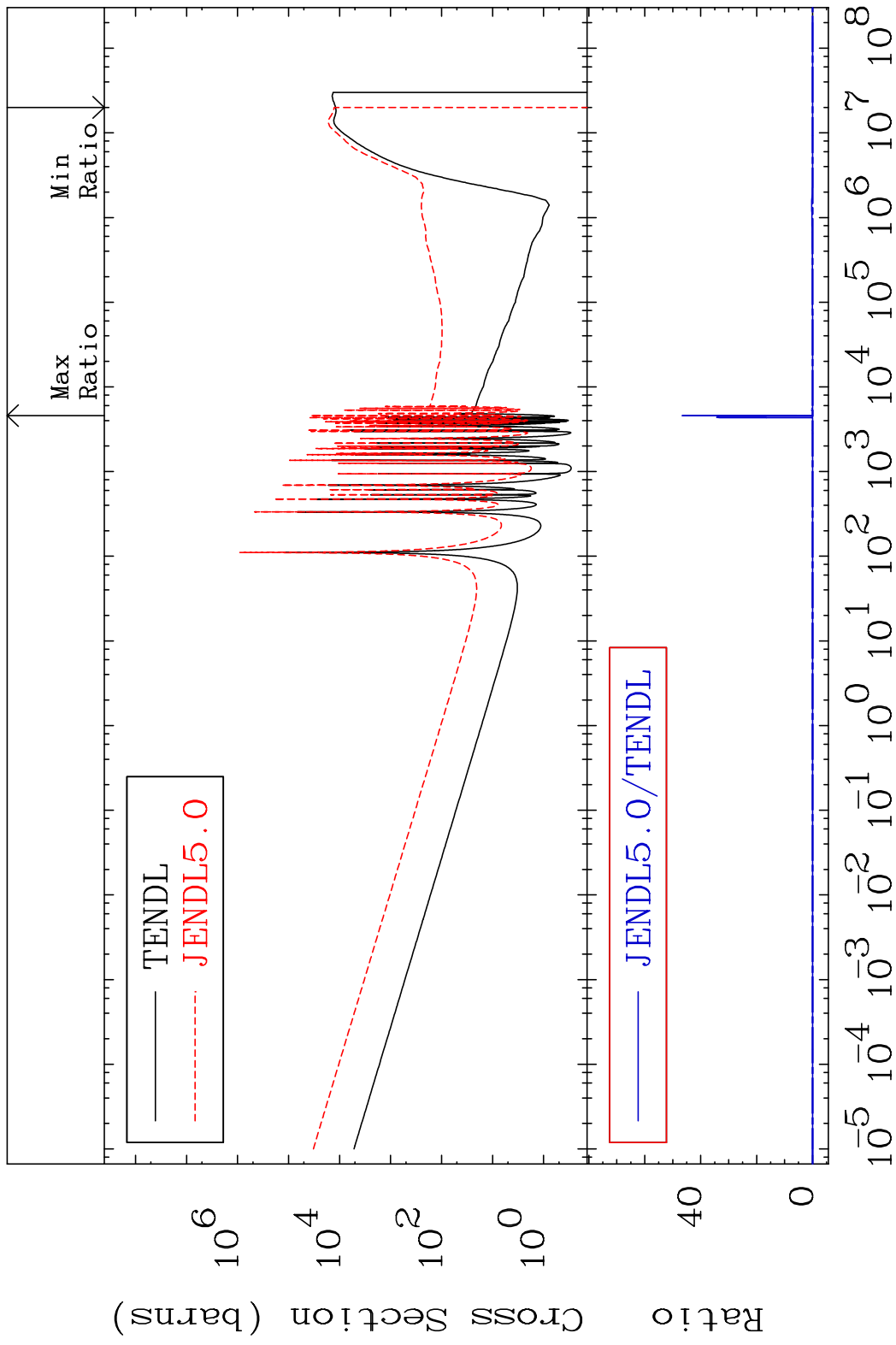
Incident Energy (eV)

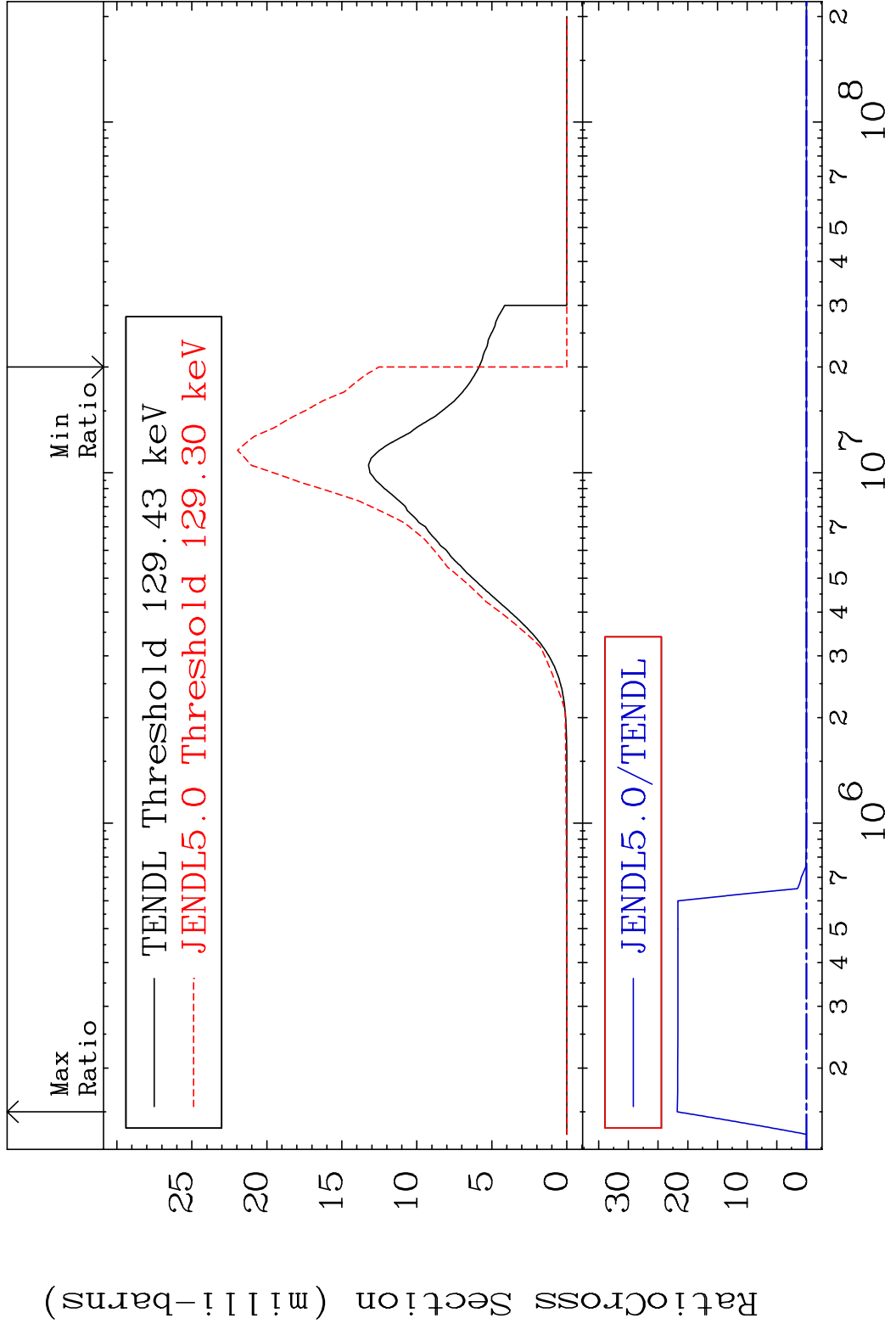
31-Ga-69

MAT 3125 Dpa inelastic (mt51-91) 31-Ga-69
 Cross Section -100.0 To 189.7 %

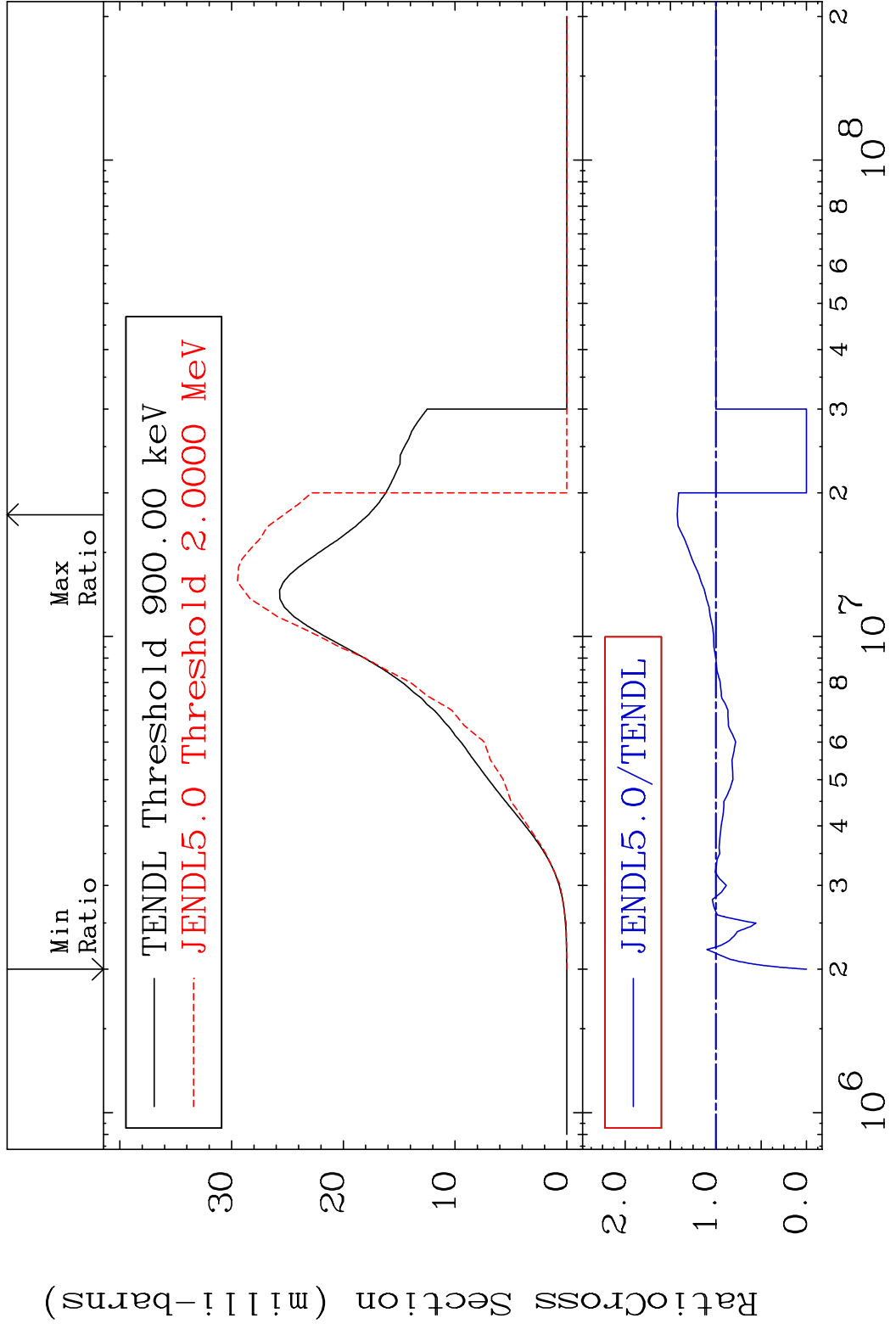


MAT 3125 Dpa disappearance (mt102 -120) 31-Ga-69
 Cross Section -100.0 To 9999. %





MAT 3125 (n,p):30-Zn-69m1 31-Ga-69
 Radionuclide Production Cross Section 180.01 dth 42.63 %

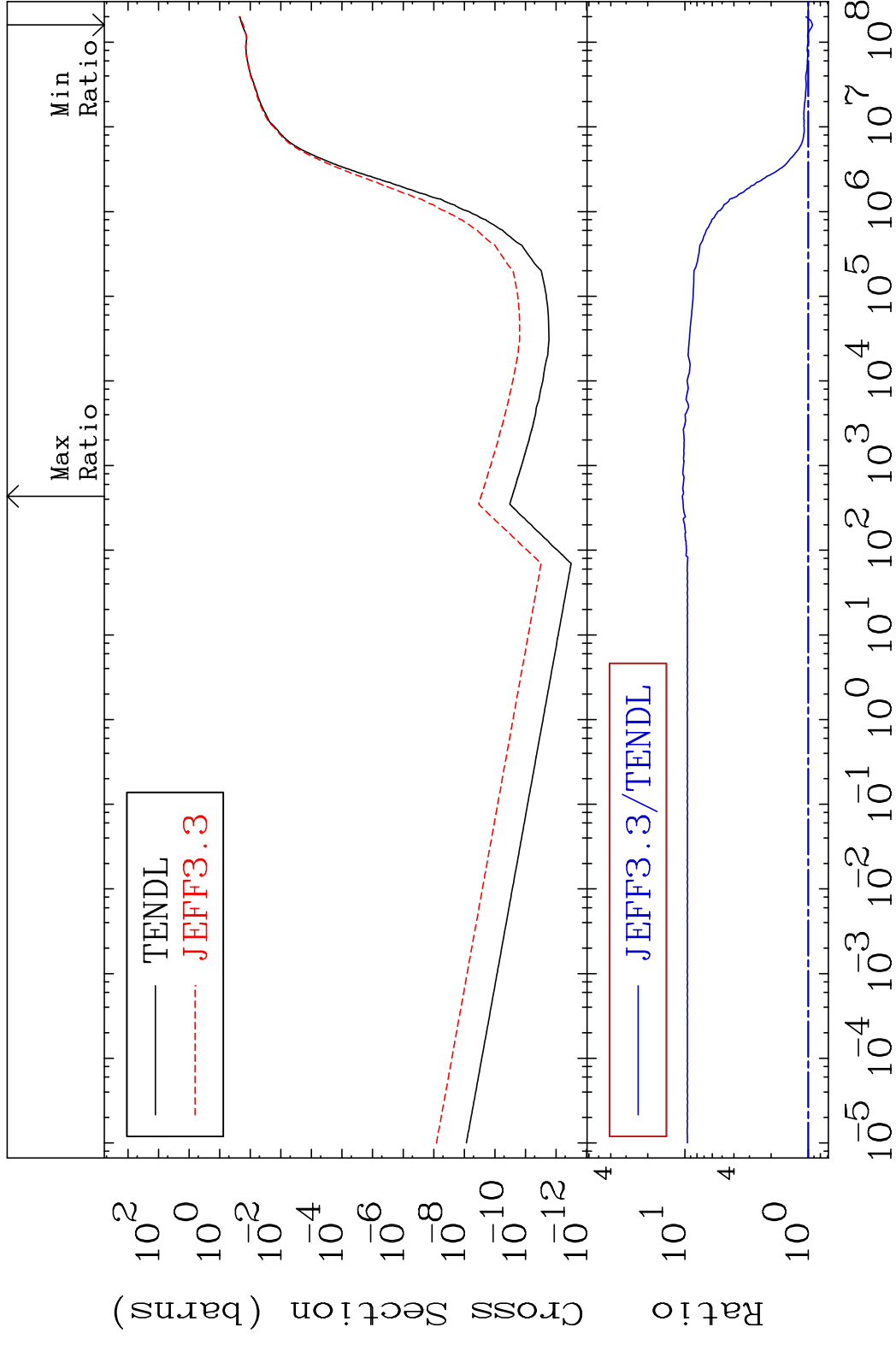


MAT 3125

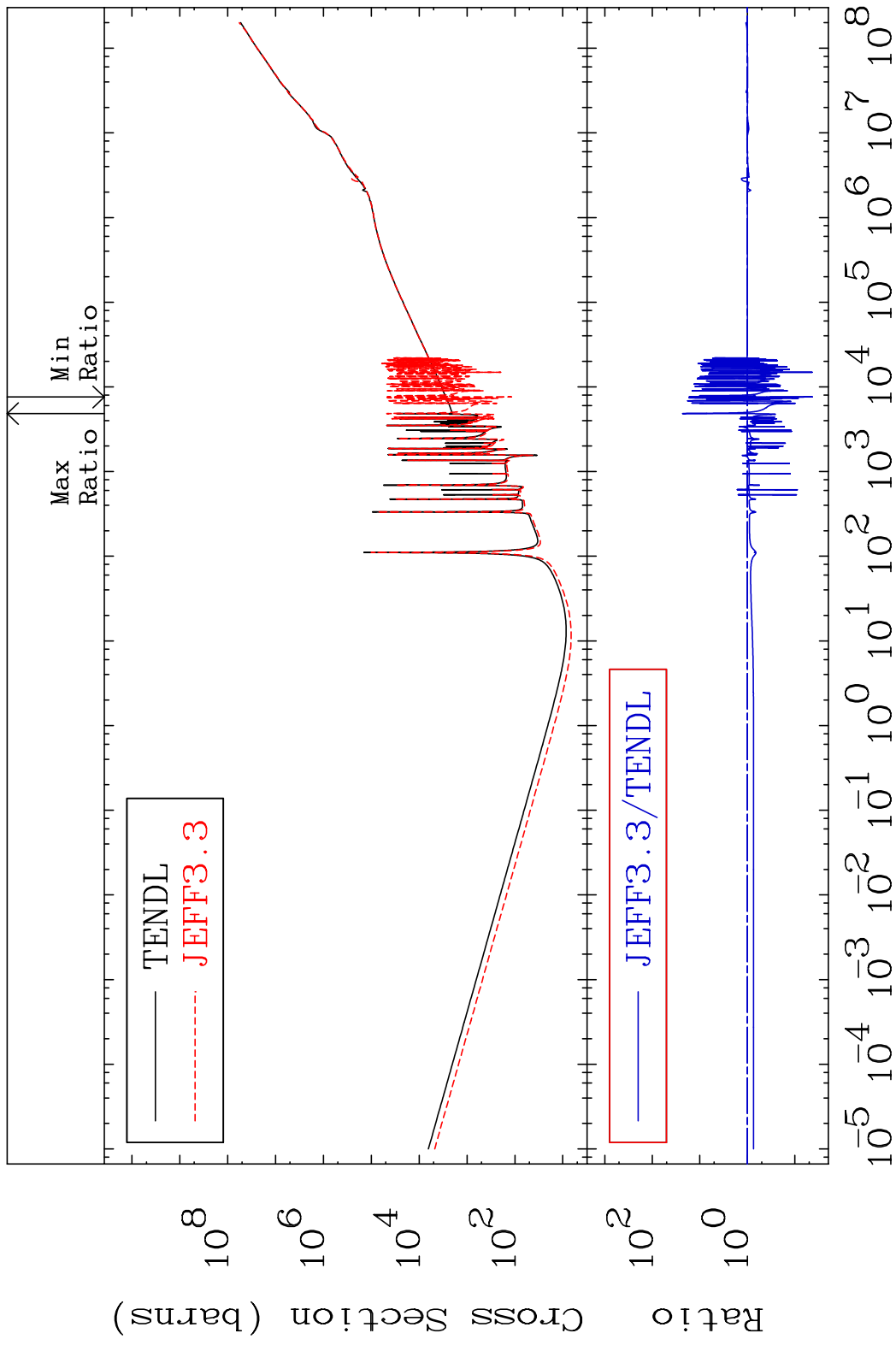
He-4 Production

31-Ga-69

Cross Section -7.612 To 949.6 %

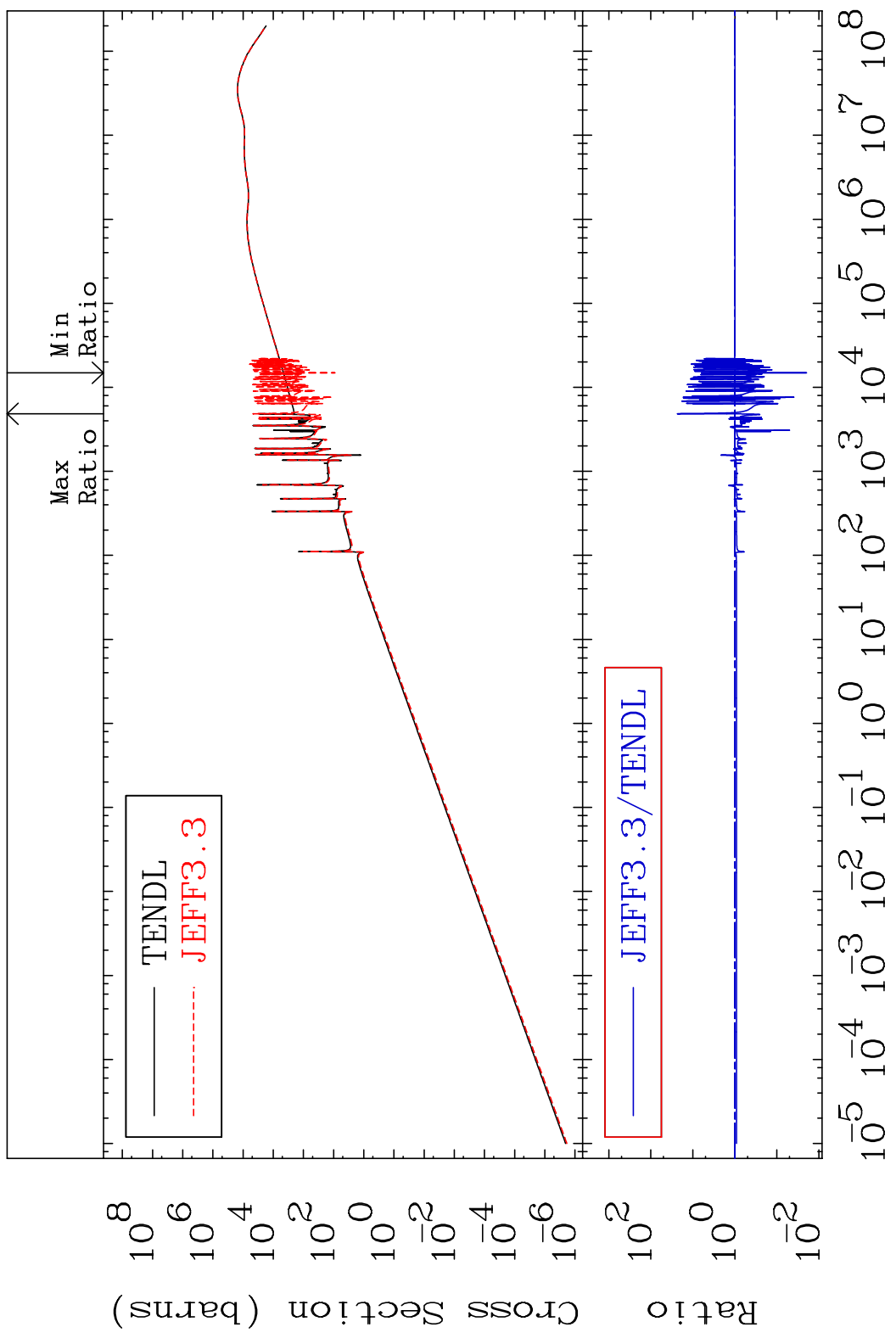


MAT 3125 Kerma total (eV-barns) 31-Ga-69
 Cross Section -95.76 To 2231. %



MAT 3125

Kerma elastic Cross Section -98.02 To 2260. %
31-Ga-69

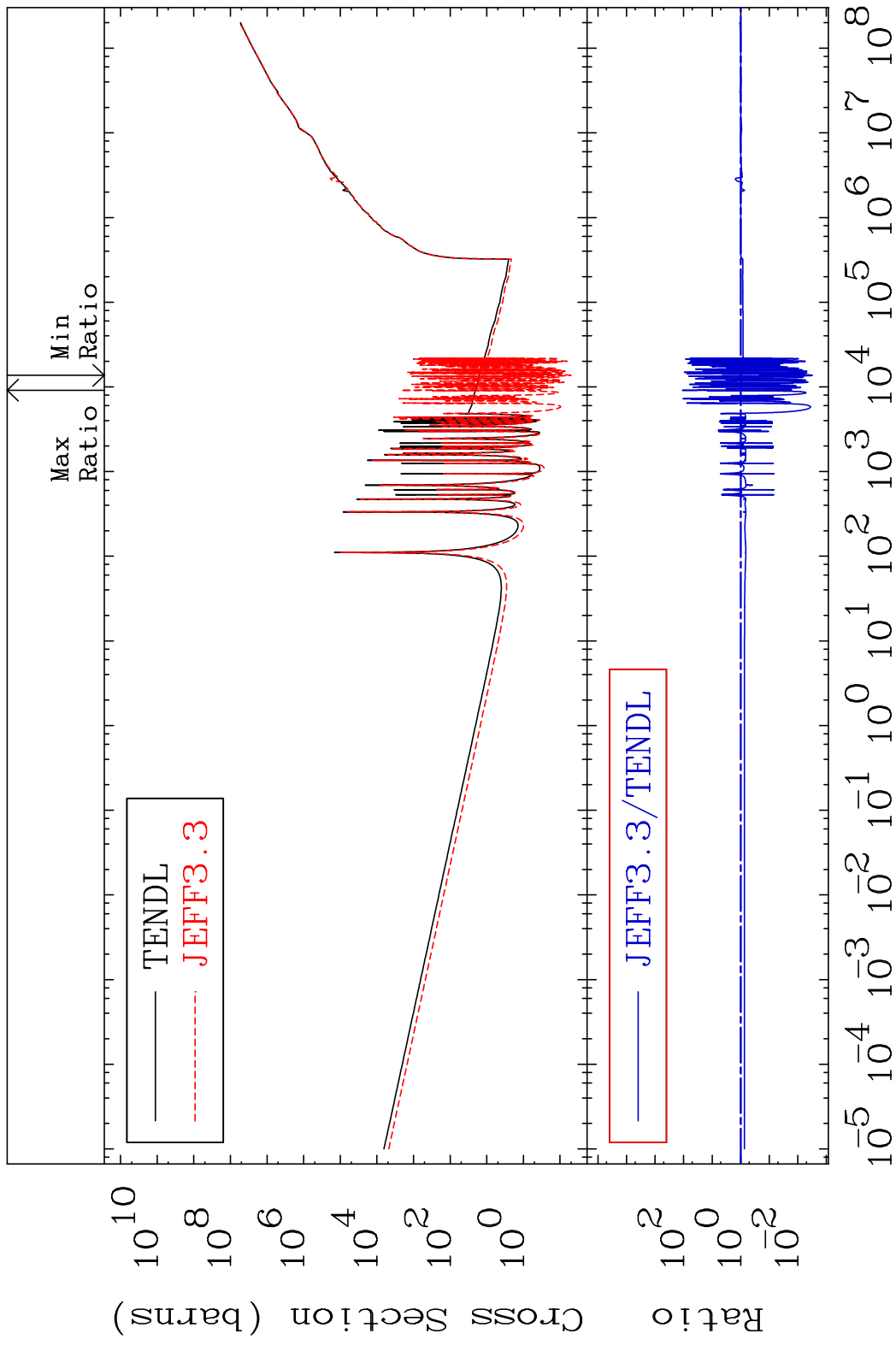


53

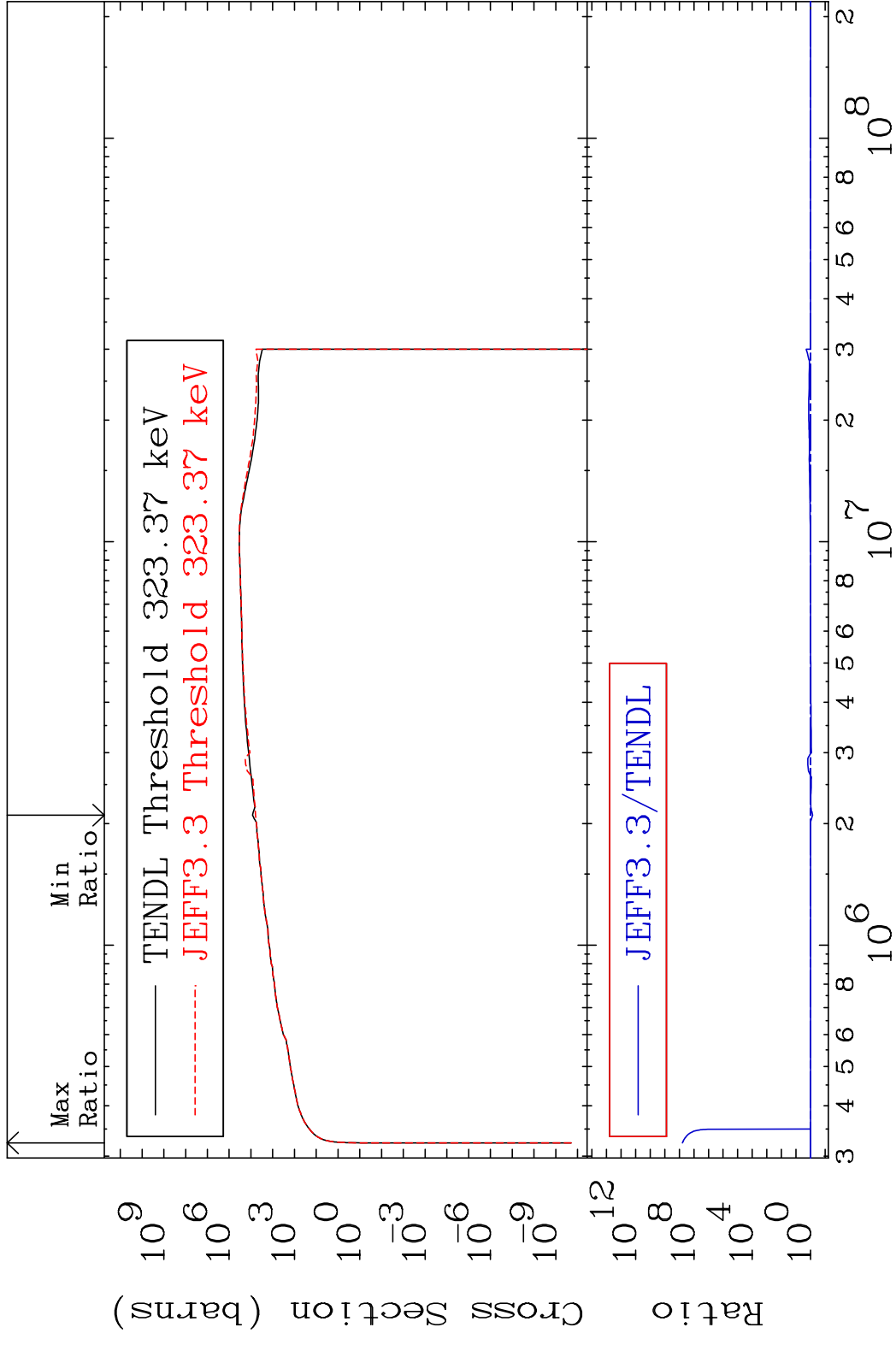
Incident Energy (eV)

31-Ga-69

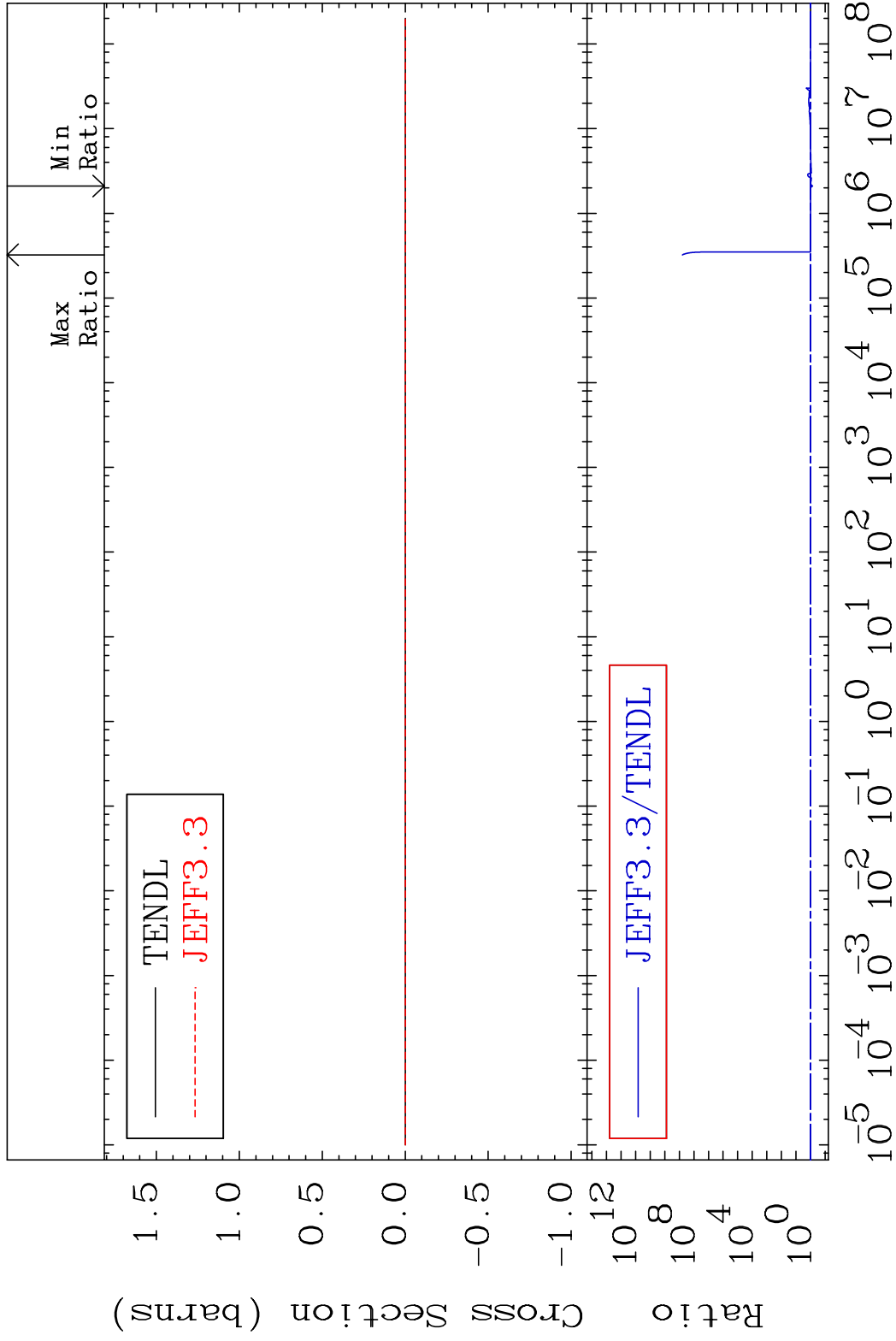
MAT 3125 Kerma non-elastic (all but mt2) 31-Ga-69
 Cross Section -99.70 To 9999. %

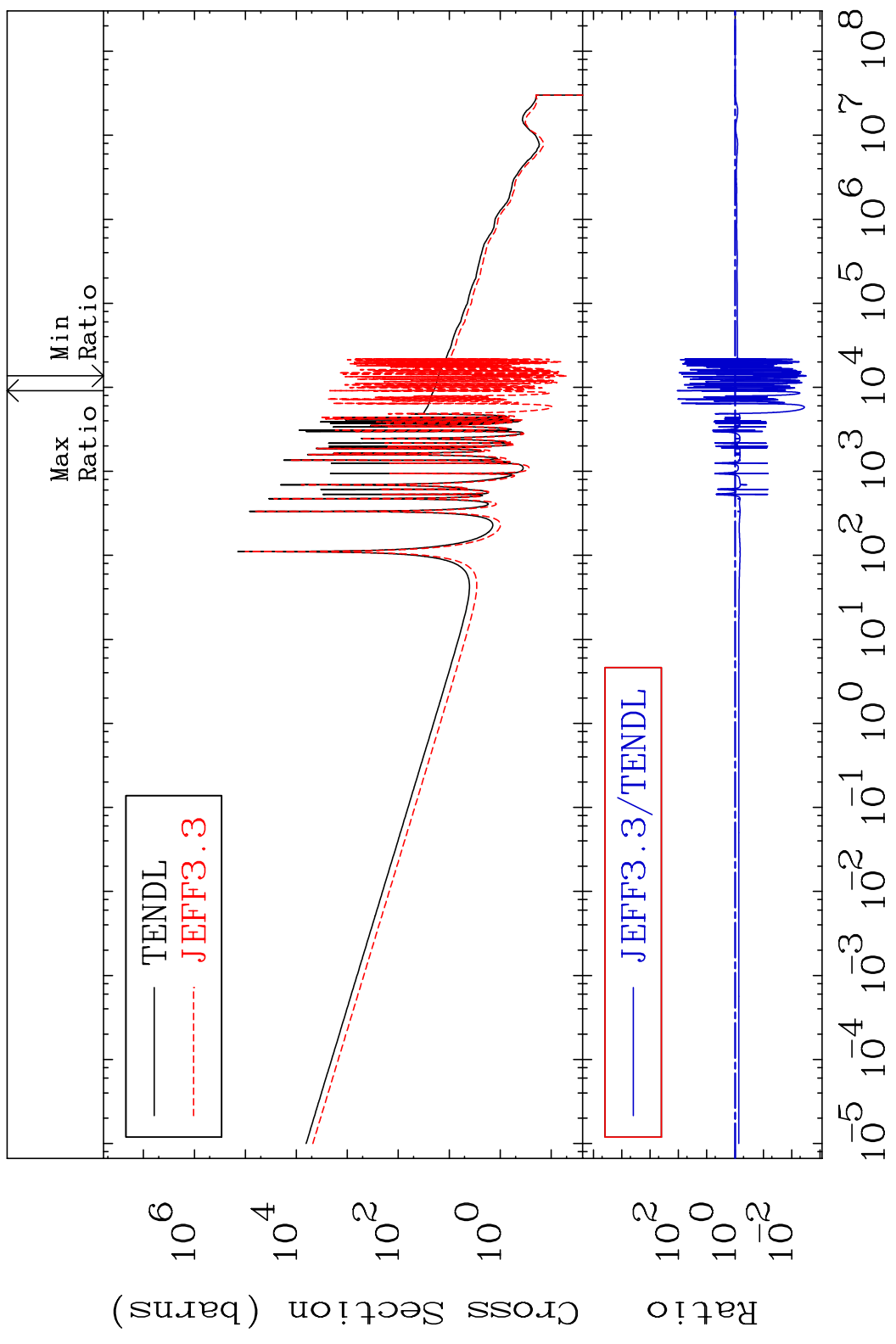


MAT 3125 Kerma inelastic (mt51-91) 31-Ga-69
 Cross Section -27.57 To 9999. %

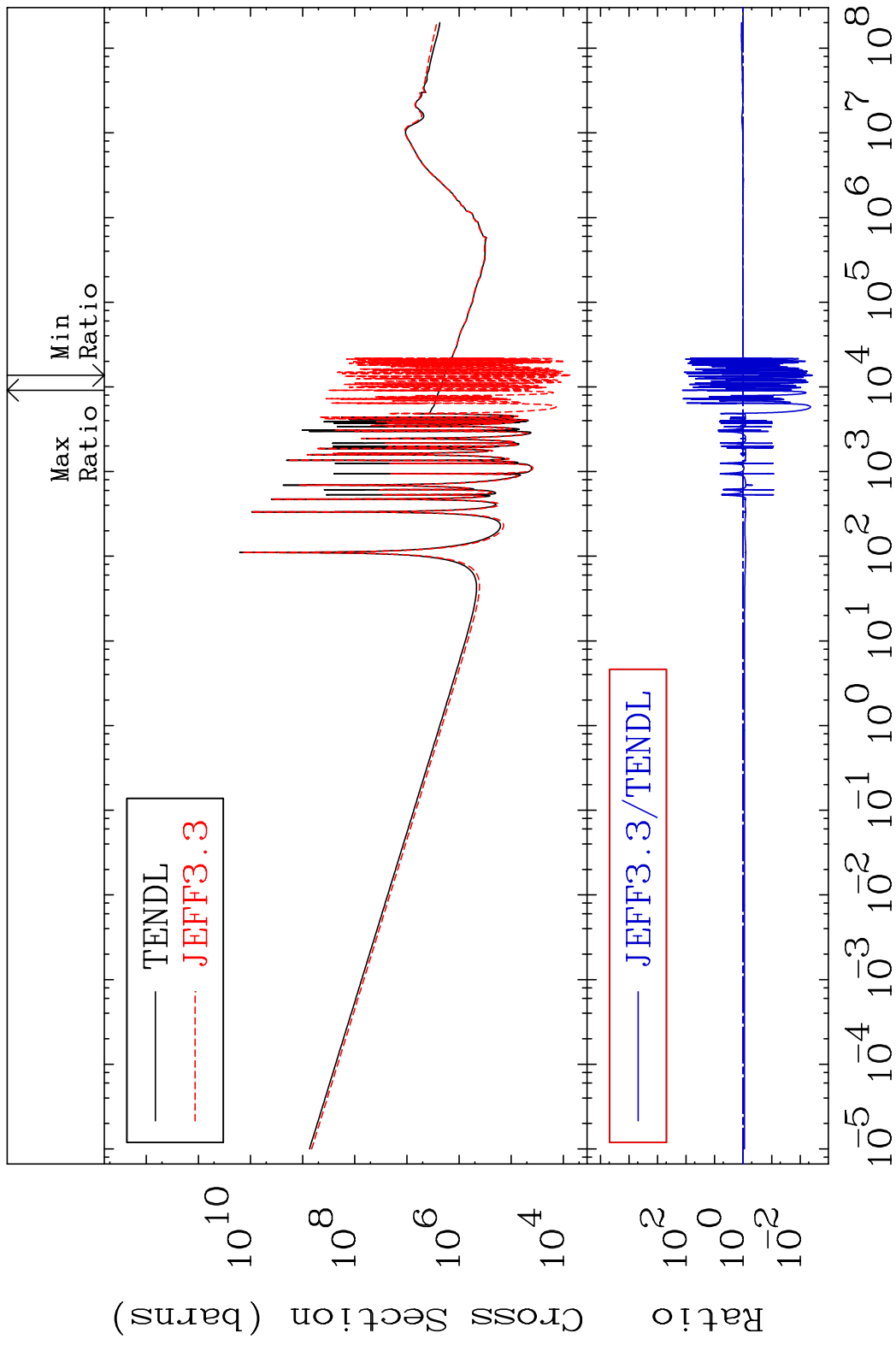


MAT 3125 Kerma fission (mt18 or mt19-20-21-38) 31-Ga-69
 Cross Section -27.57 To 9999. %

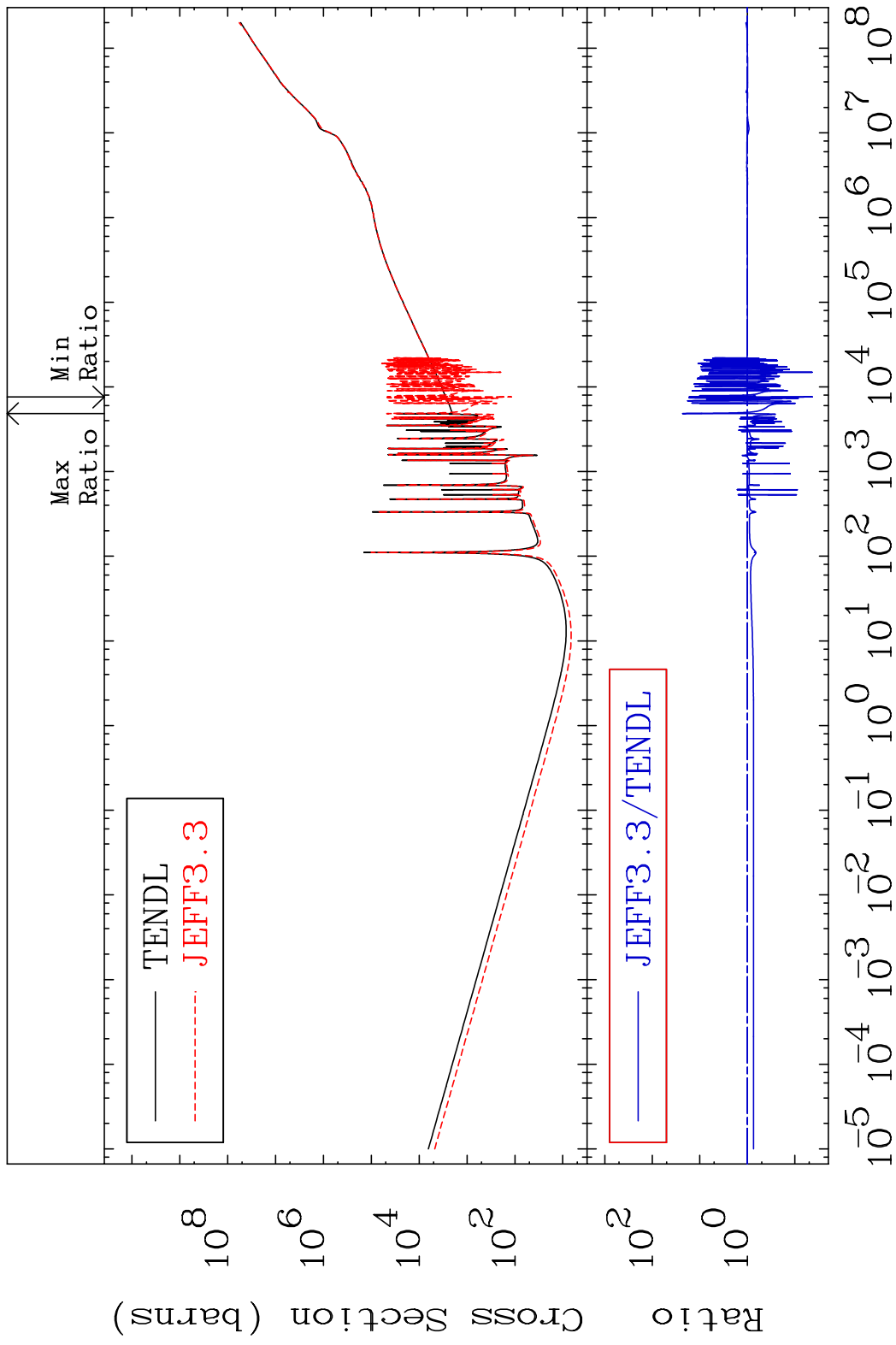




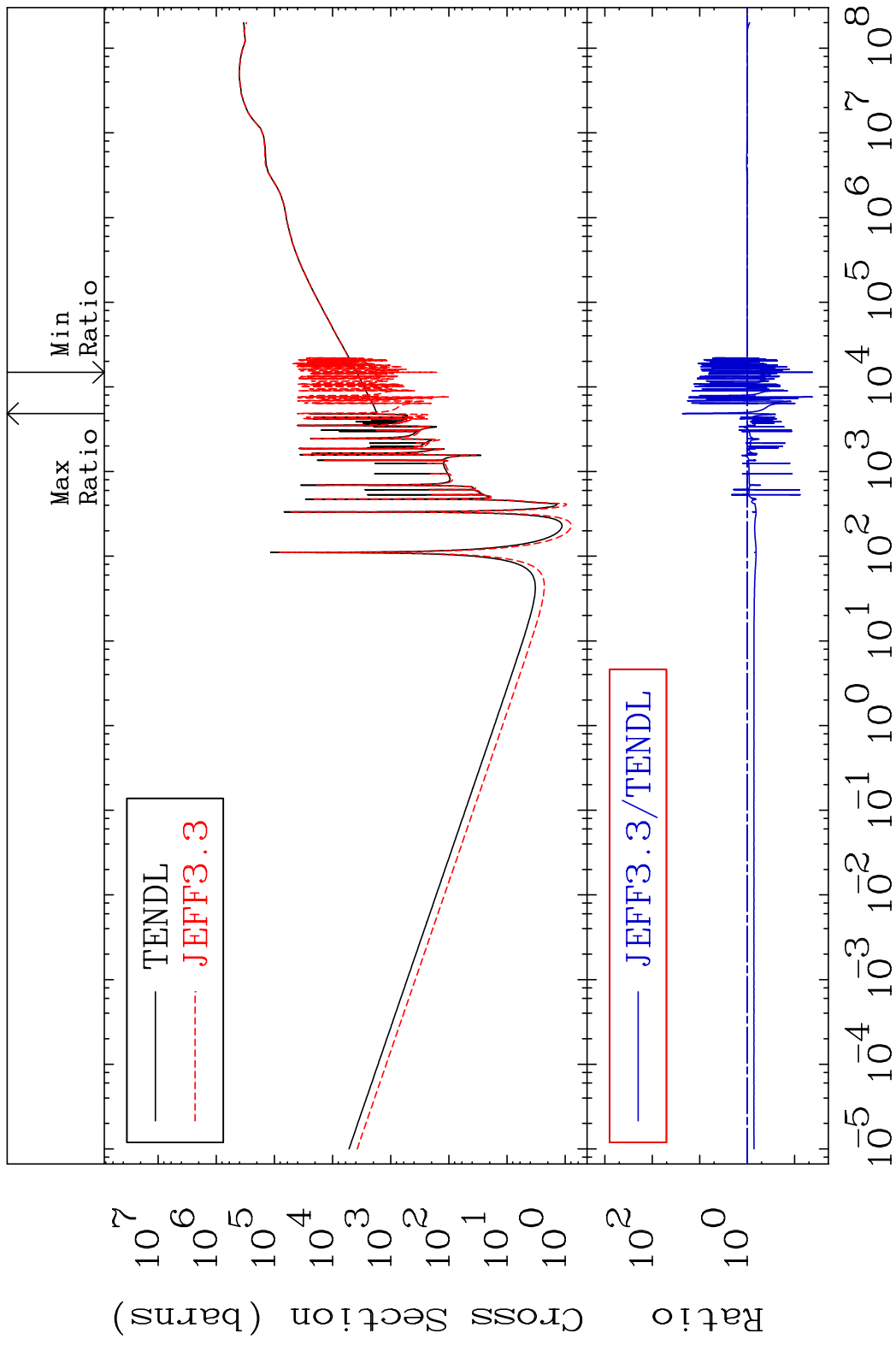
MAT 3125 Total photon (eV-barns) 31-Ga-69
 Cross Section -99.63 To 9999. %



MAT 3125 Total kinematic kerma (high limit) 31-Ga-69
 Cross Section -95.76 To 2231. %



MAT 3125 Dpa total (eV-barns) 31-Ga-69
 Cross Section -95.80 To 2232. %



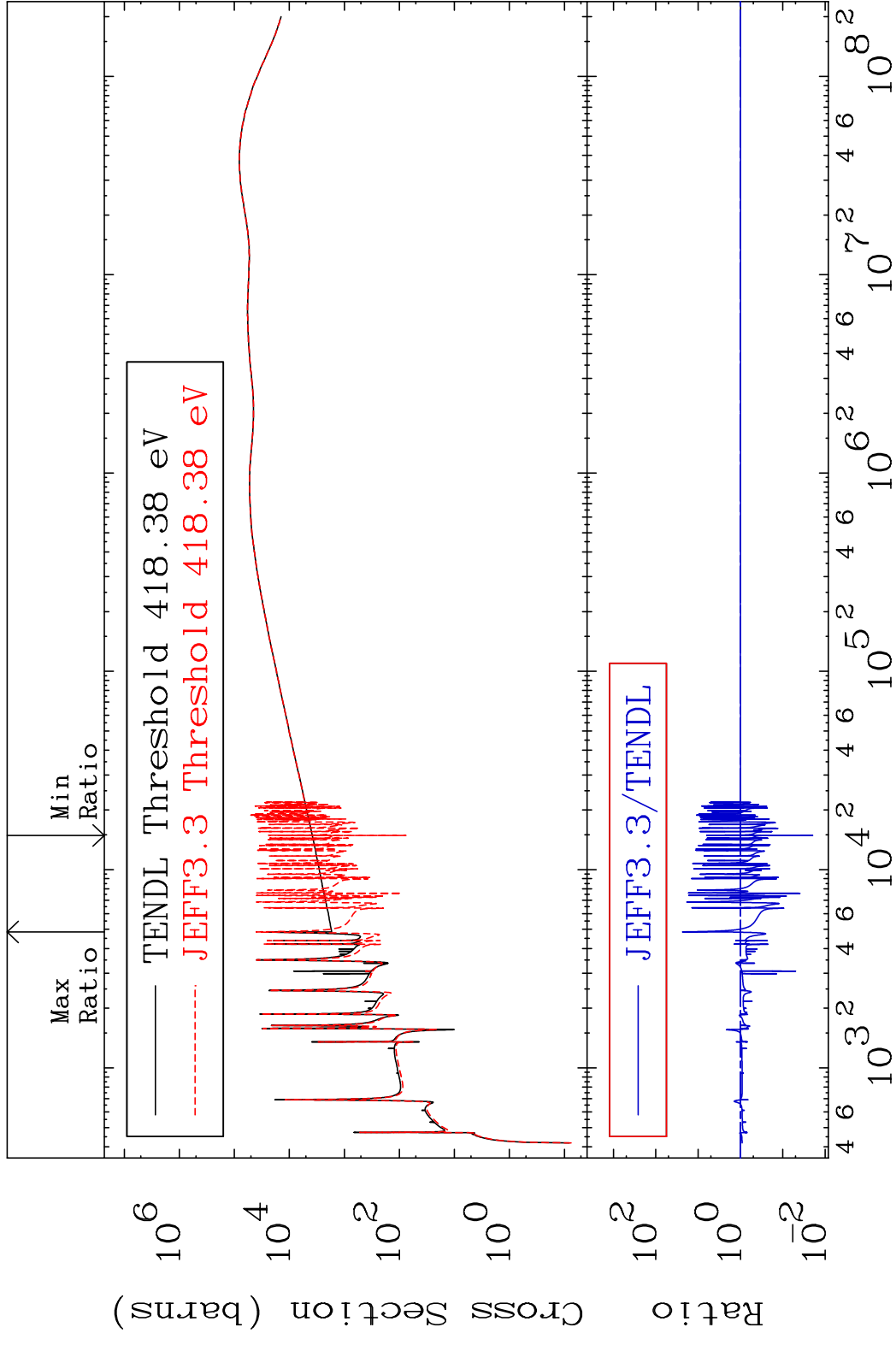
60 Incident Energy (eV) 31-Ga-69

MAT 3125

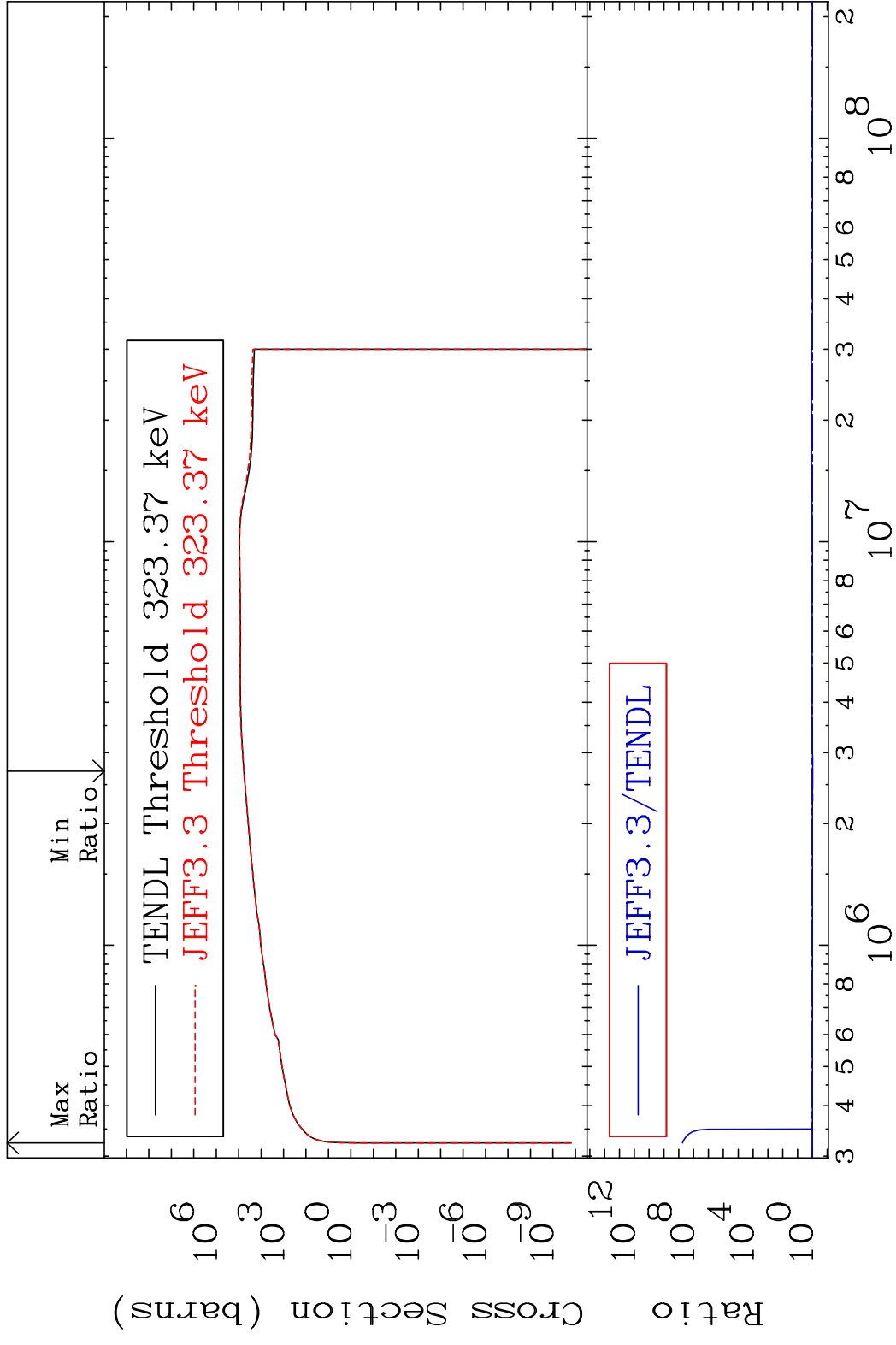
Dpa elastic (mt2)

31-Ga-69

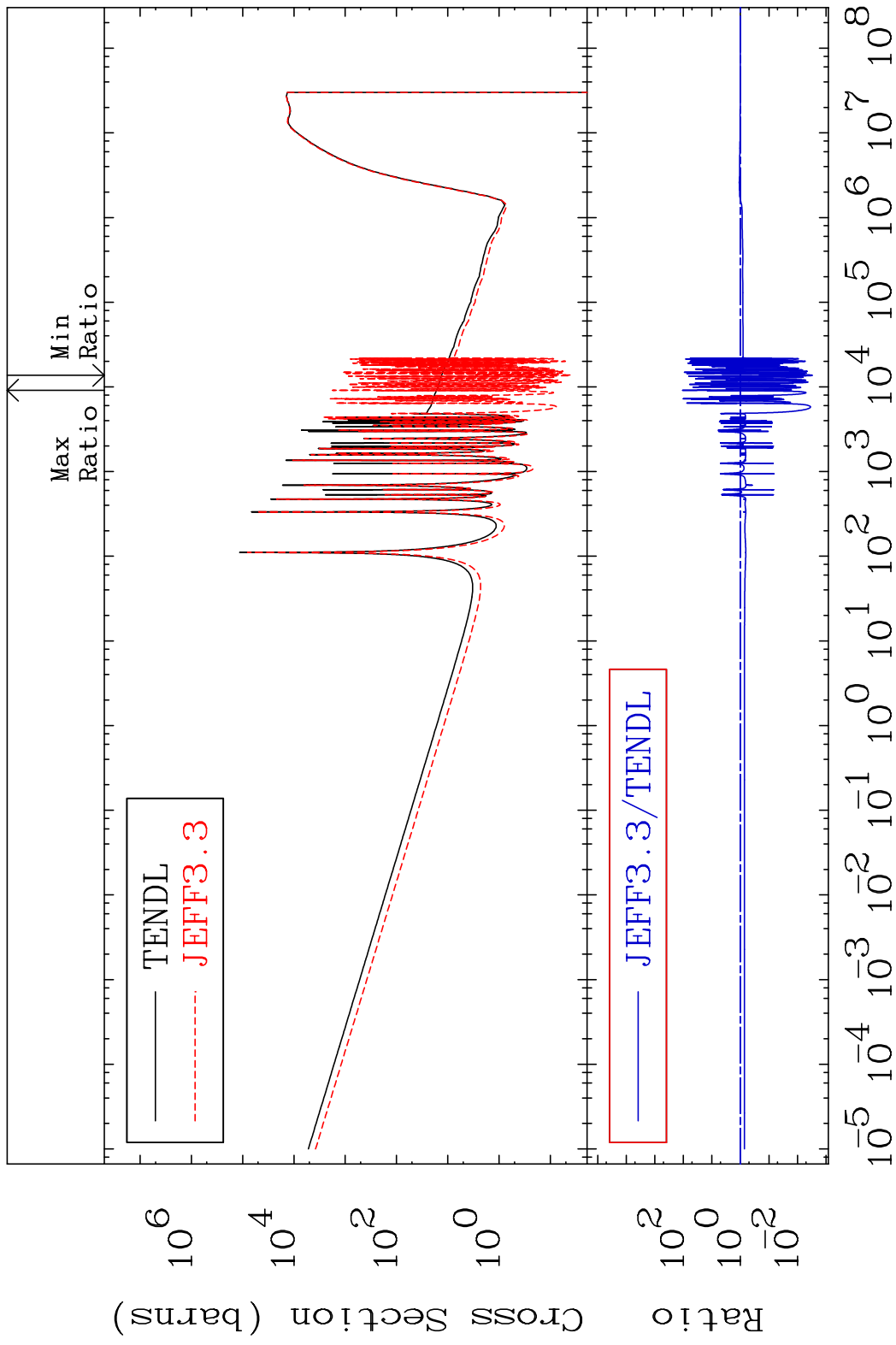
Cross Section -98.02 To 2260. %



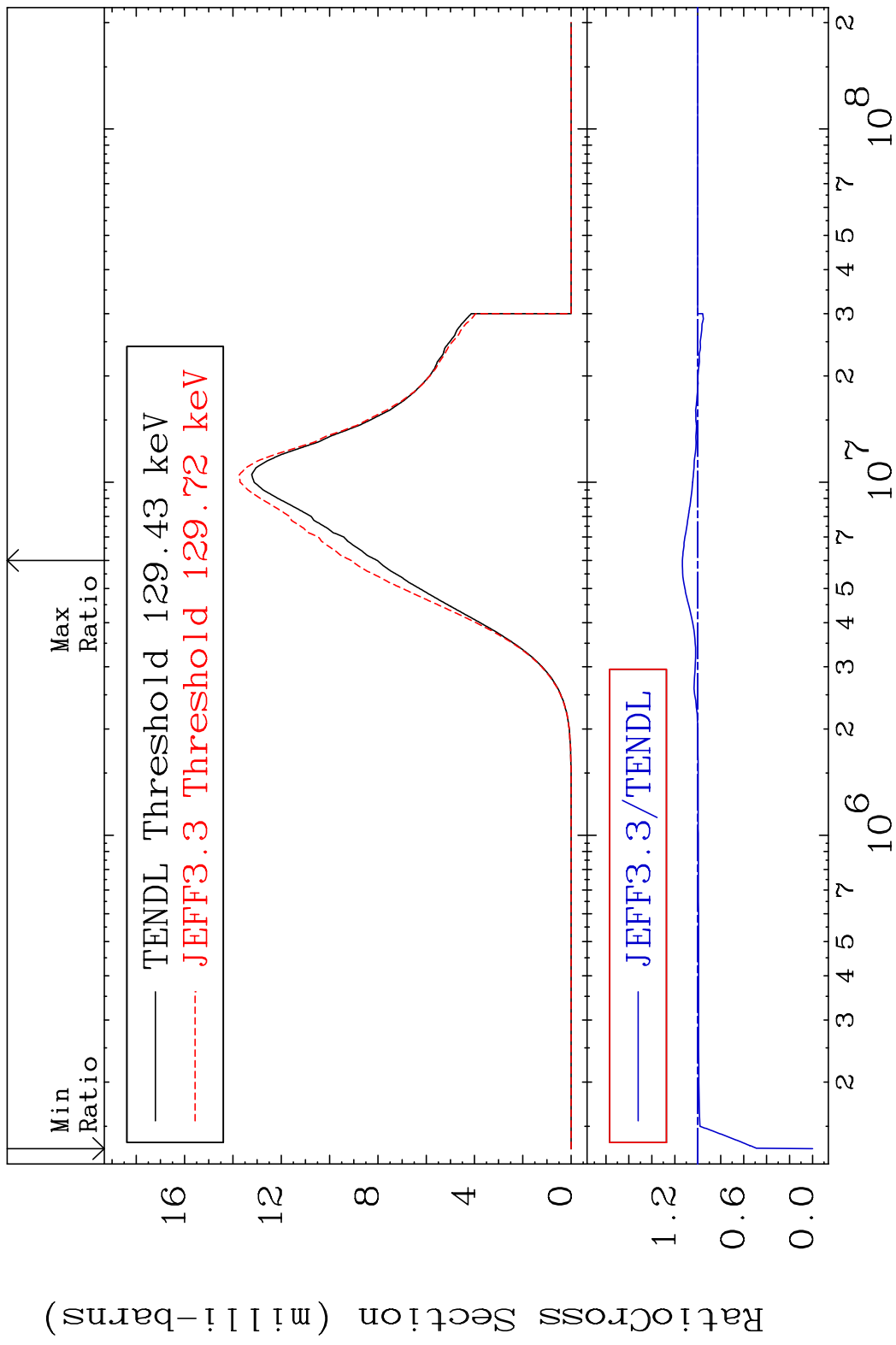
MAT 3125 Dpa inelastic (mt51-91) 31-Ga-69
 Cross Section -2.491 To 9999. %



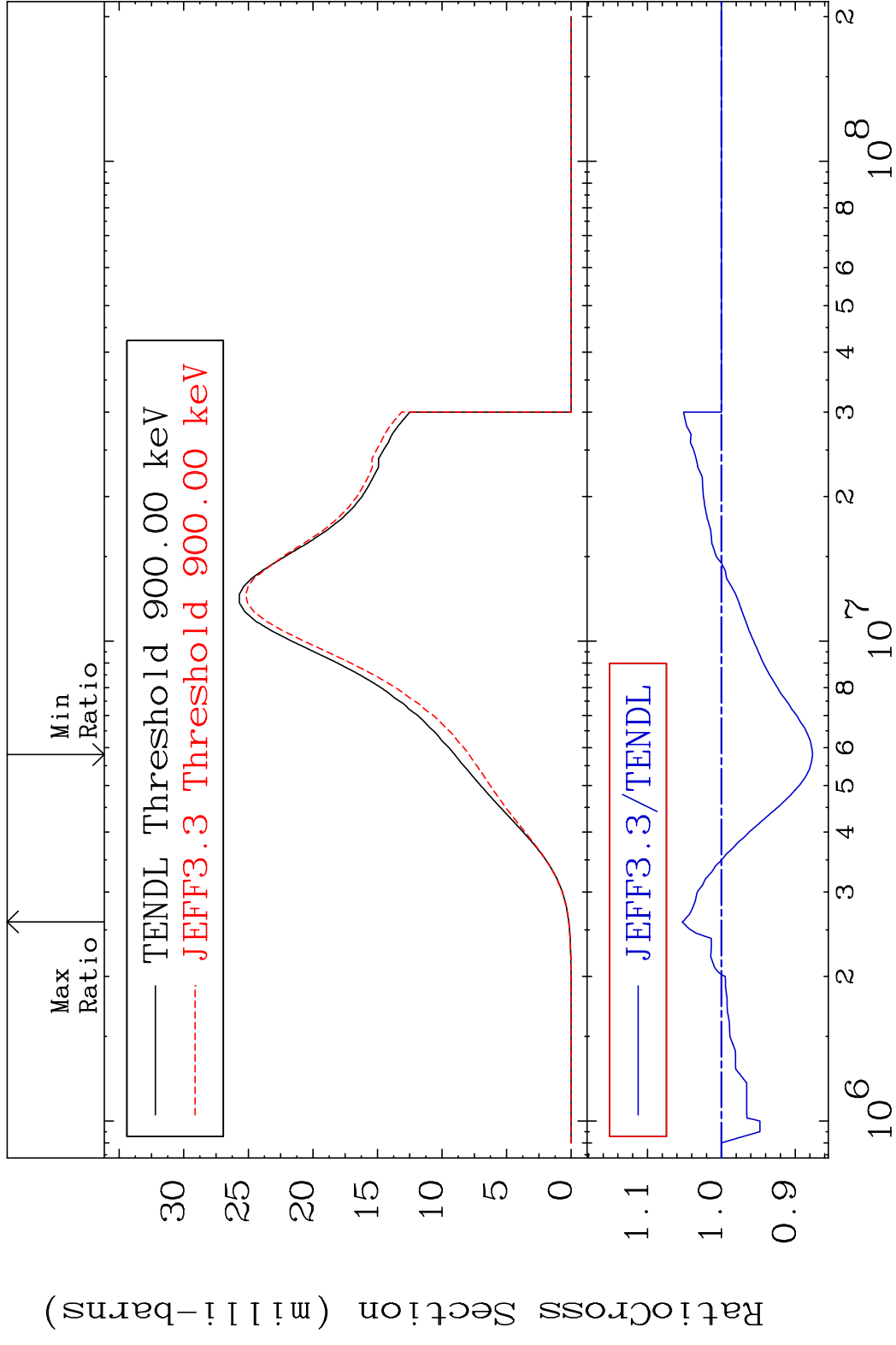
MAT 3125 Dpa disappearance (mt102 -120) 31-Ga-69
 Cross Section -99.70 To 9999. %



MAT 3125 (n, p):30-Zn-69g 31-Ga-69
 Radionuclide Production Cross Section Ratio 13.42 %



MAT 3125 (n,p):30-Zn-69m1 31-Ga-69
 Radionuclide Production Cross Section 12.65 mb 5.278 %



65 31-Ga-69

