

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way

Livermore, CA 94550

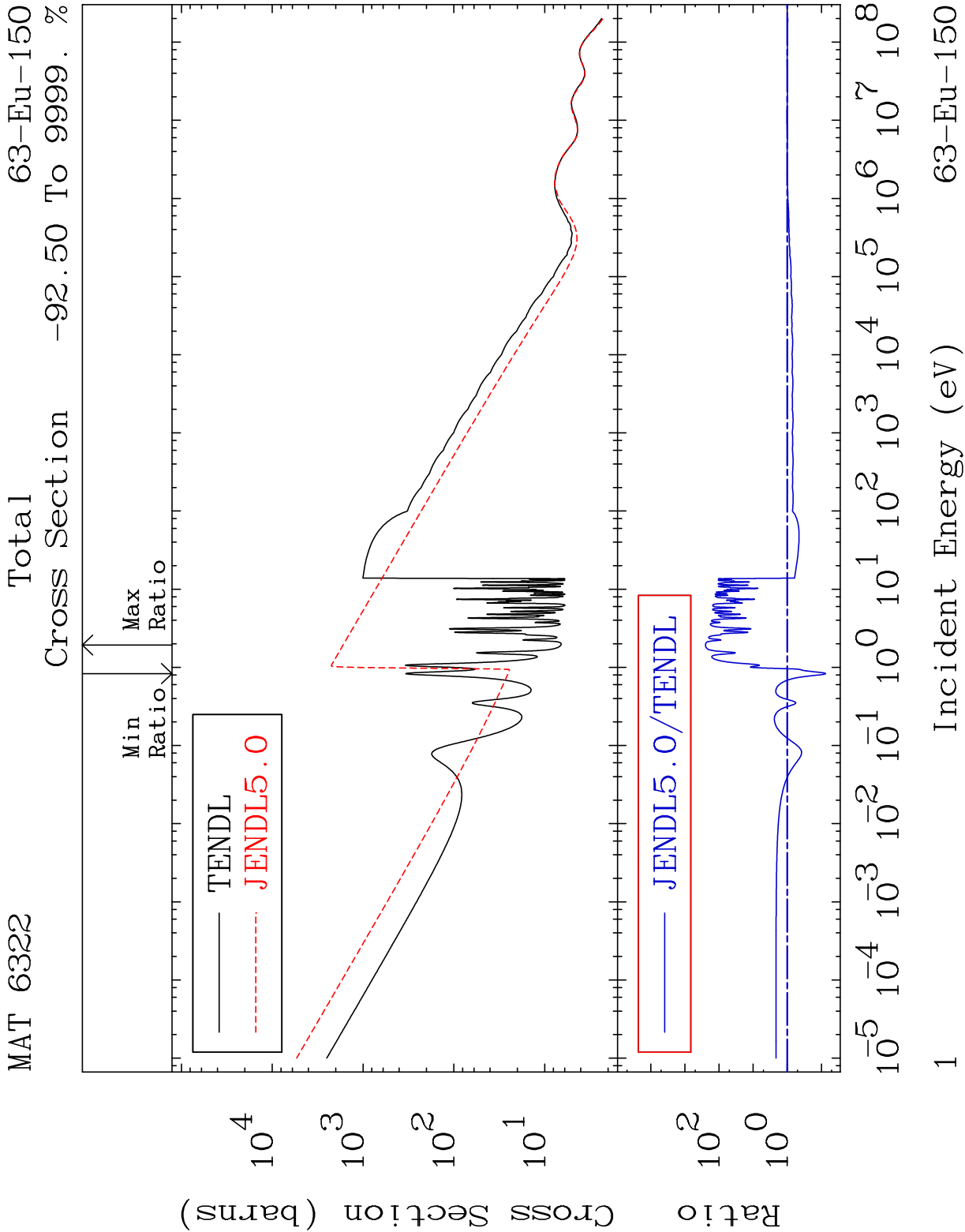
U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

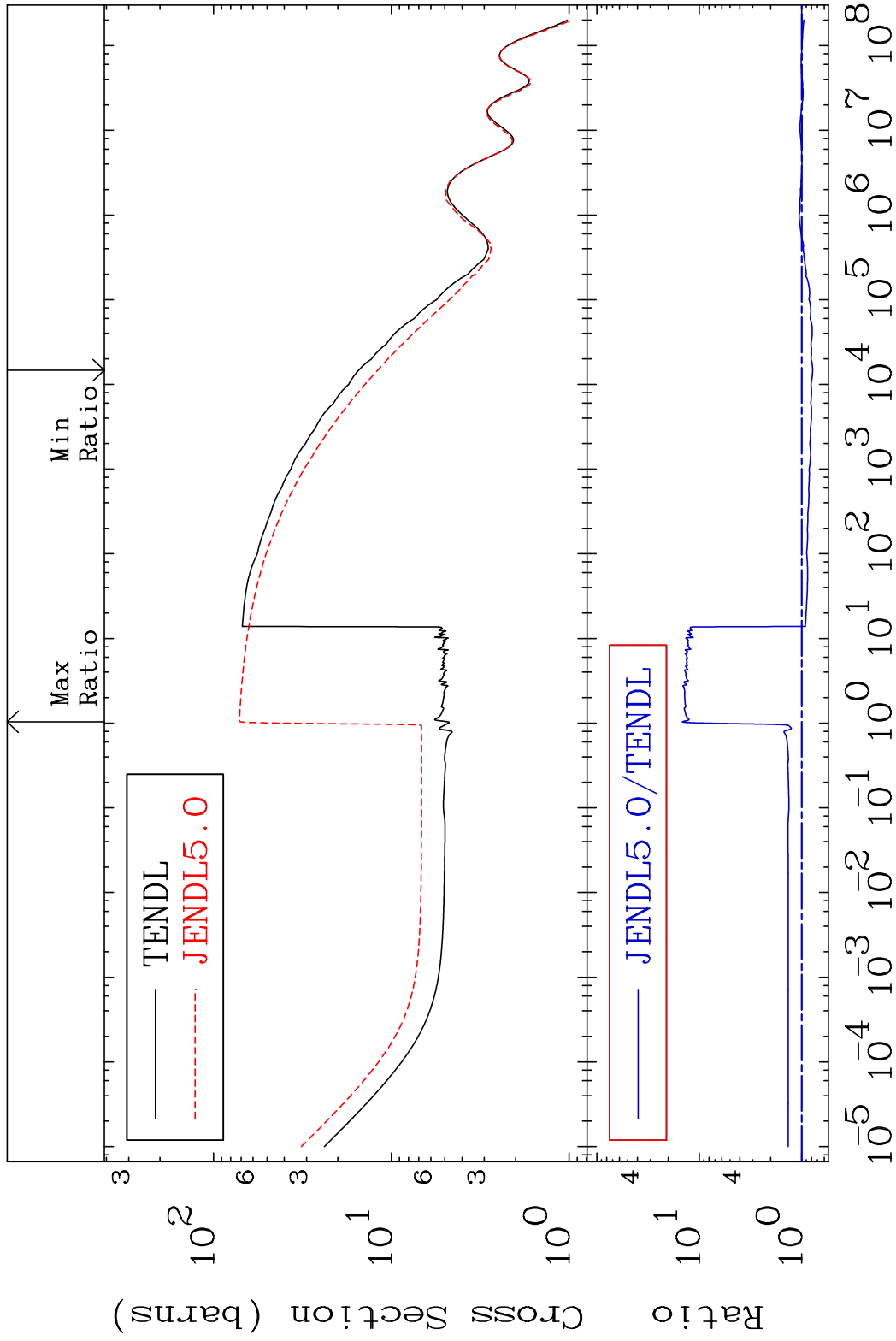


MAT 6322

Elastic

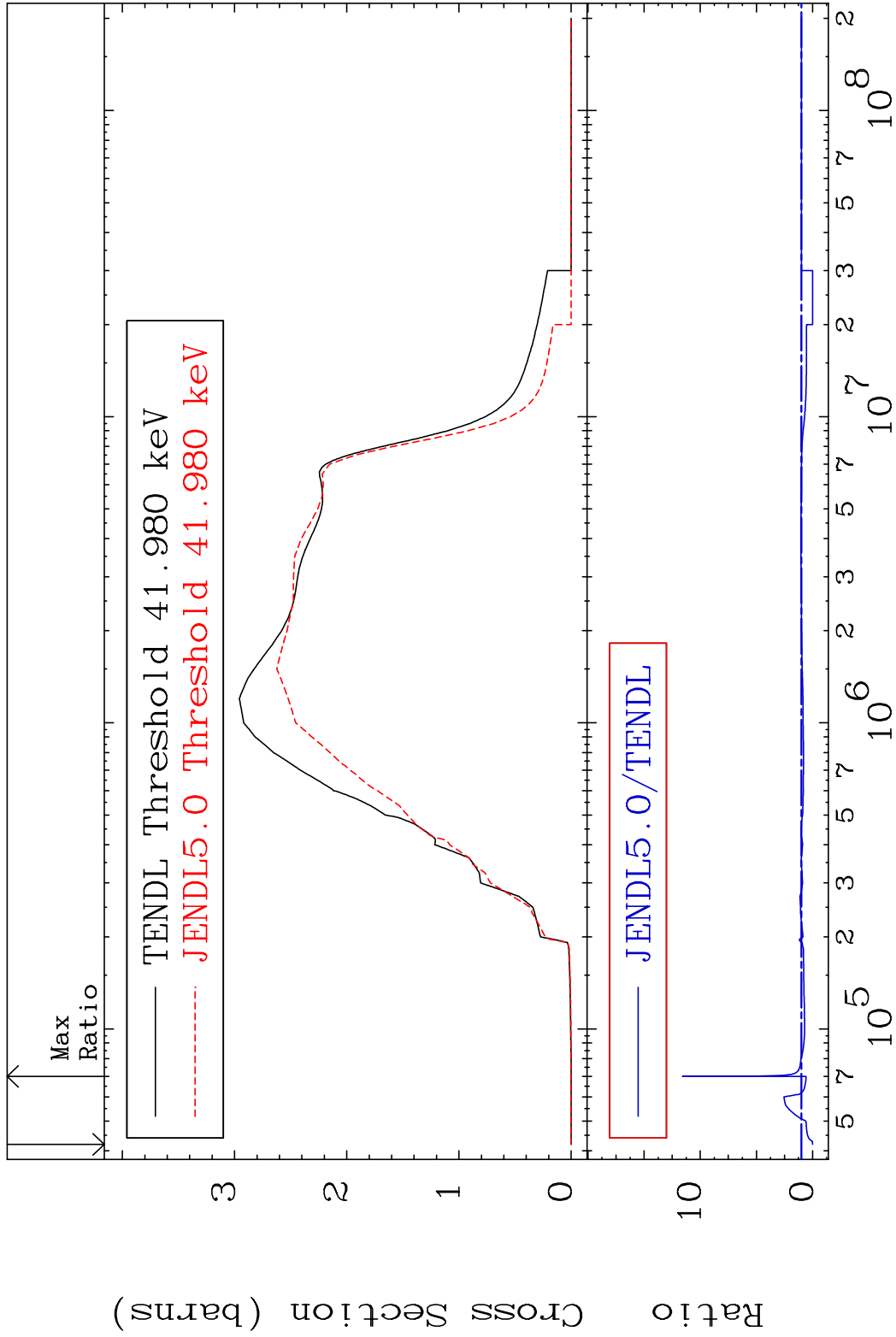
63-Eu-150

Cross Section -21.89 To 1360. %



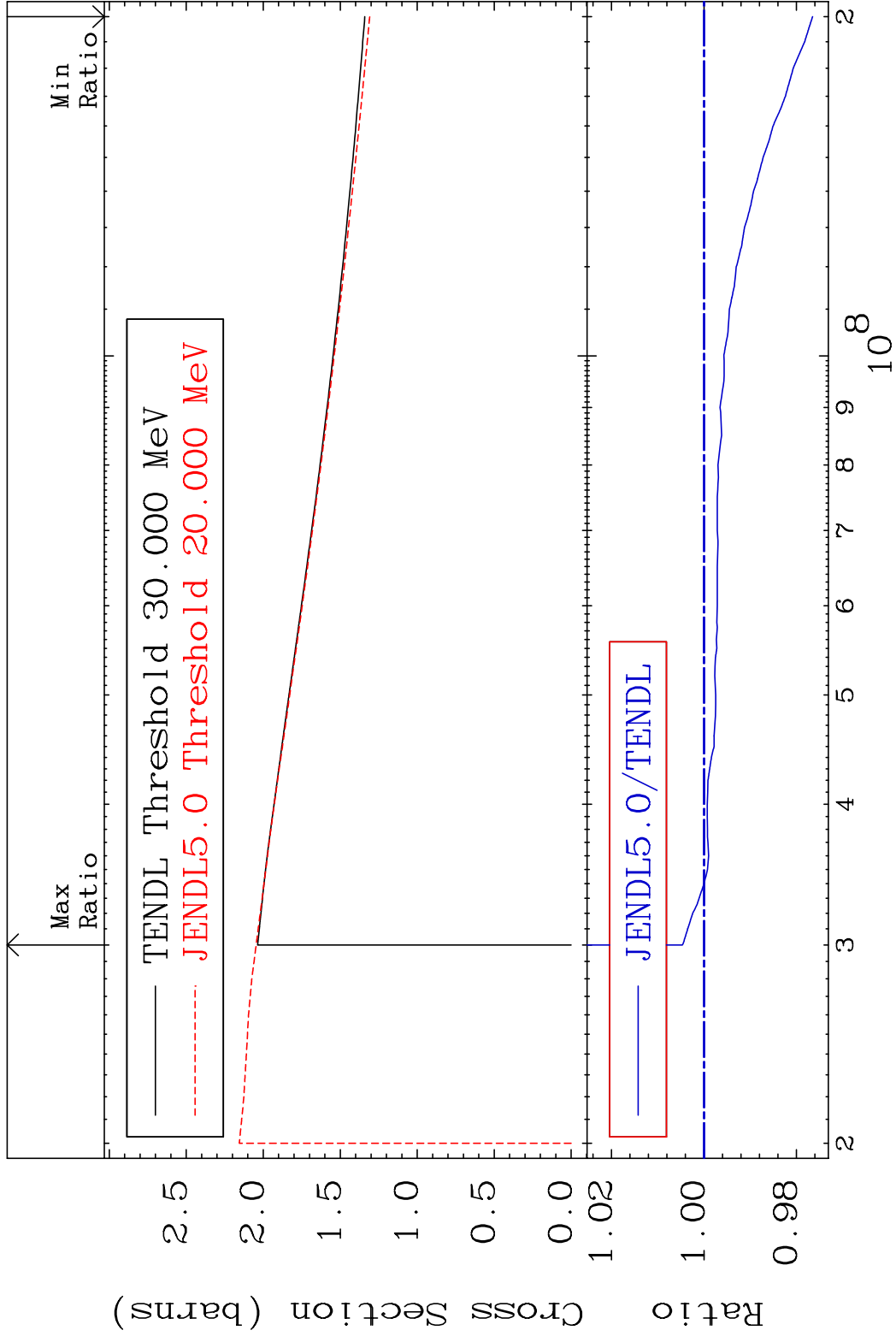
2

MAT 6322 Inelastic 63-Eu-150
Cross Section -100.0 To 1059. %

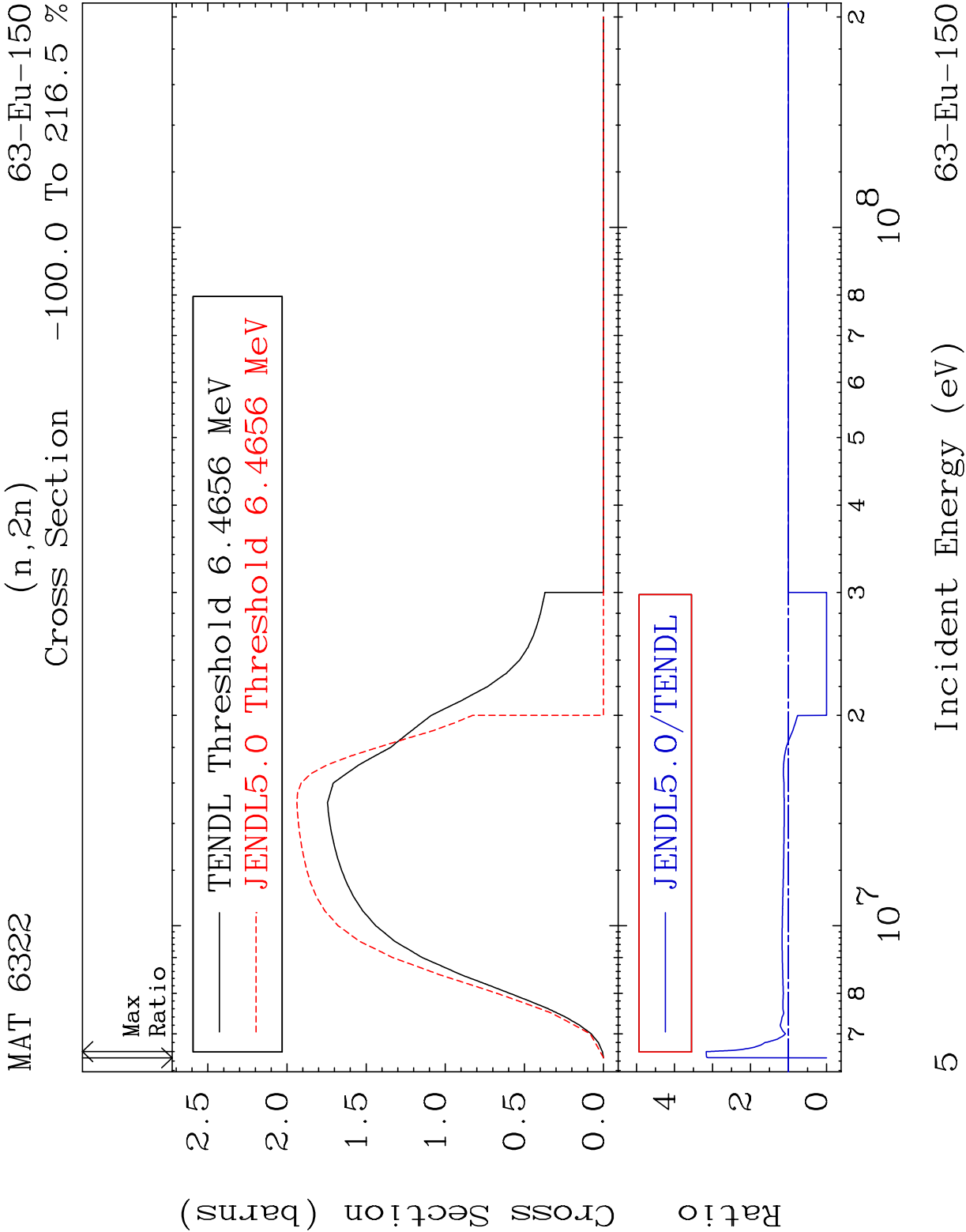


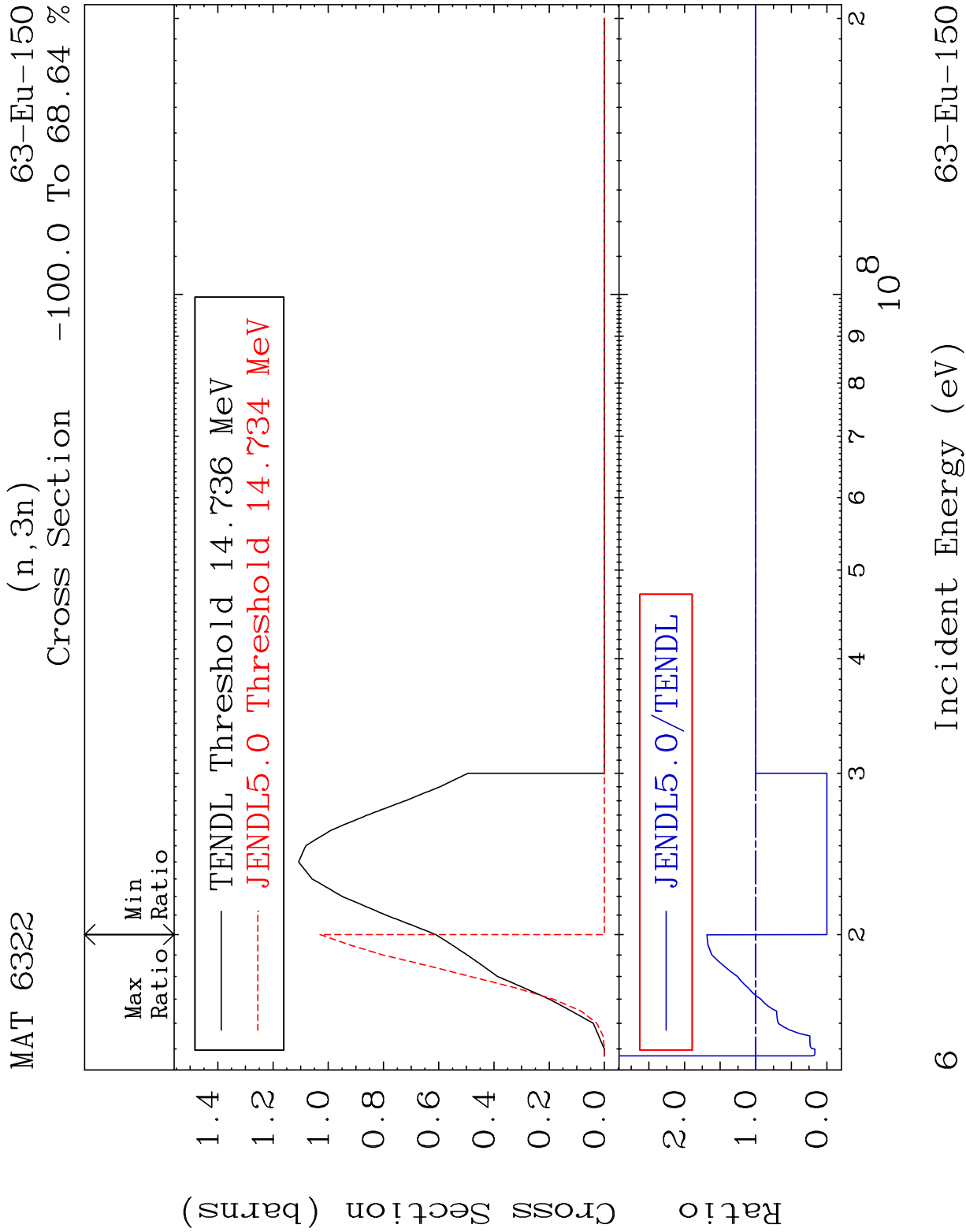
3 Incident Energy (eV) 63-Eu-150

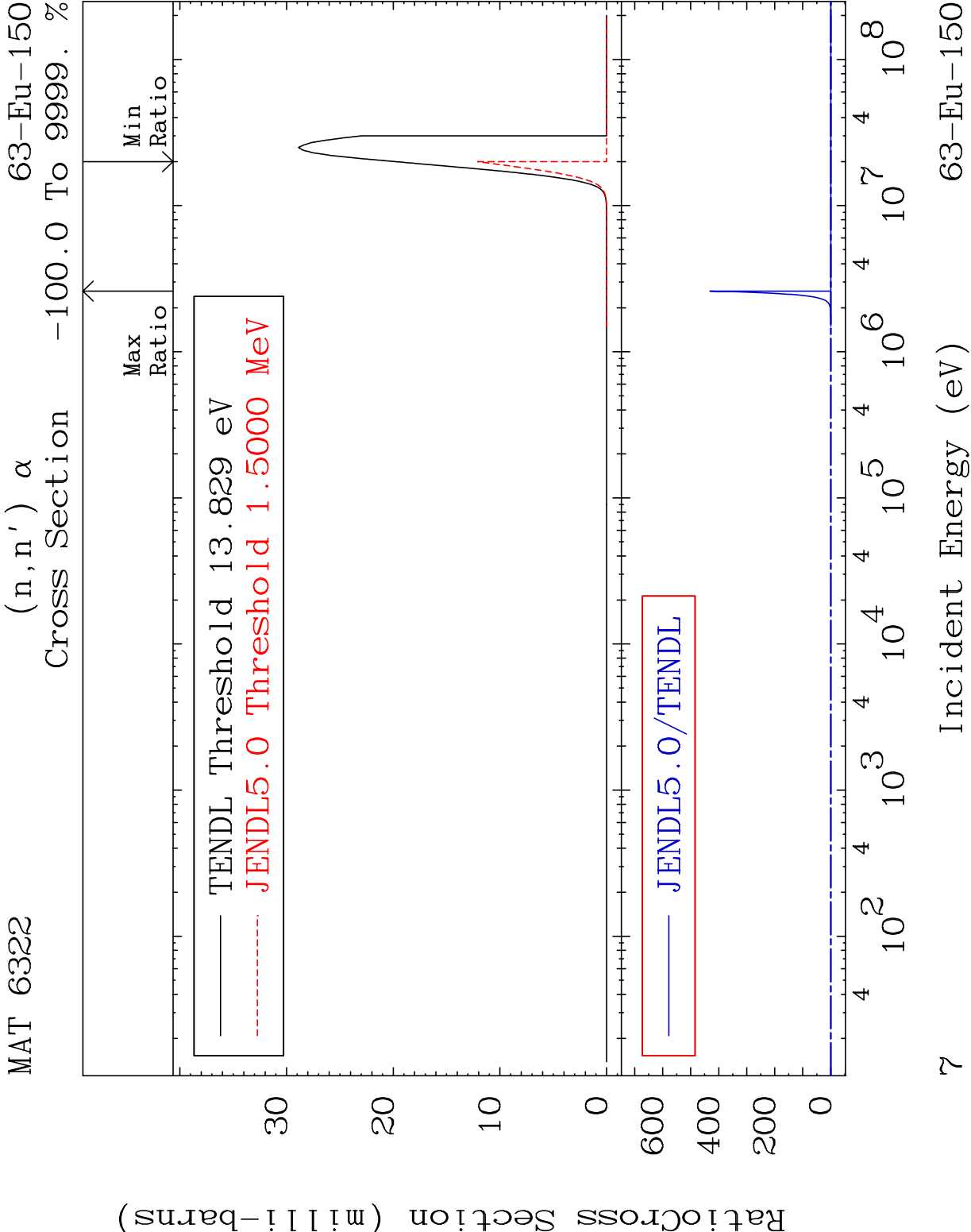
MAT 6322 (n,remainder) 63-Eu-150
Cross Section -2.350 To 0.467 %

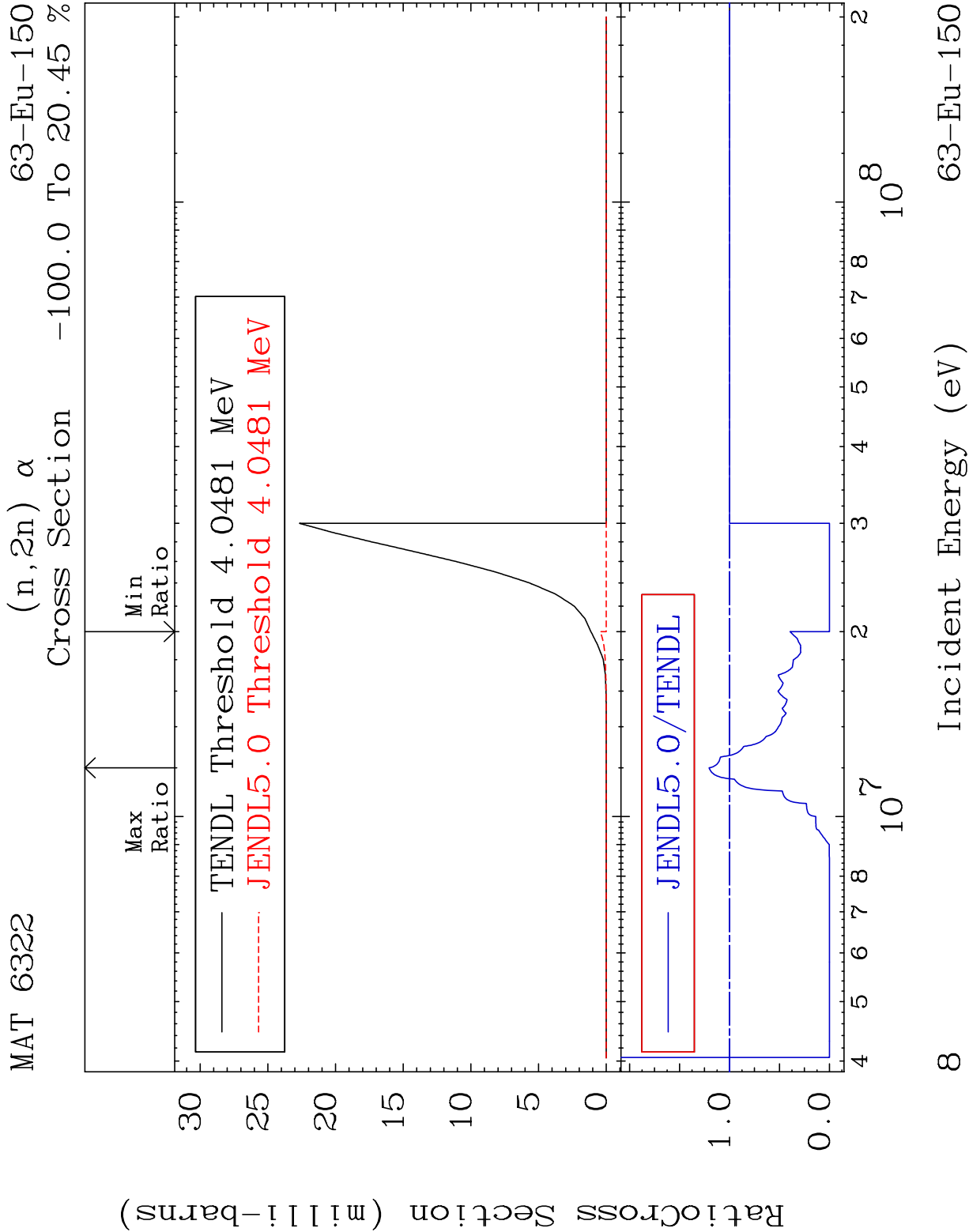


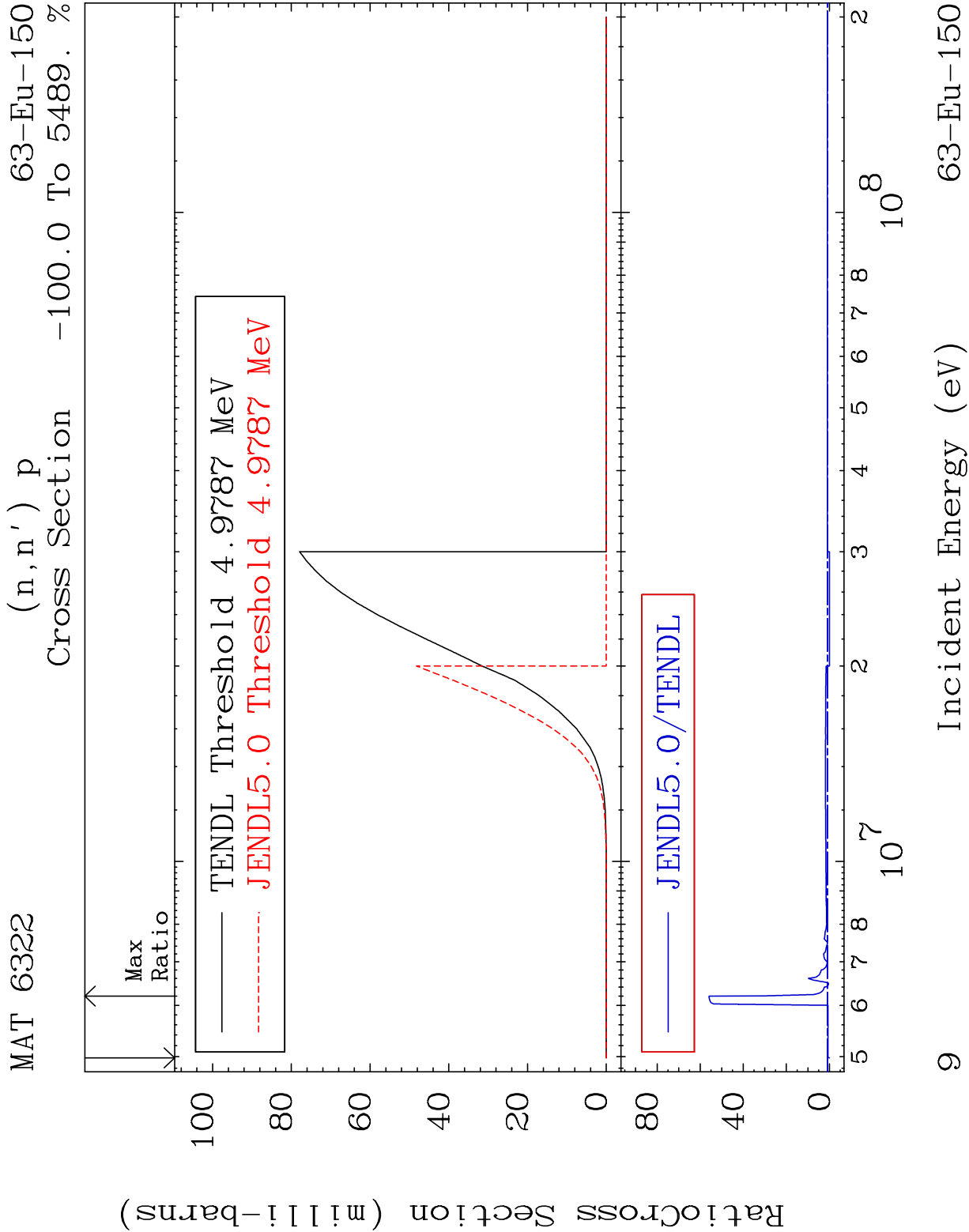
4 Incident Energy (eV) 63-Eu-150

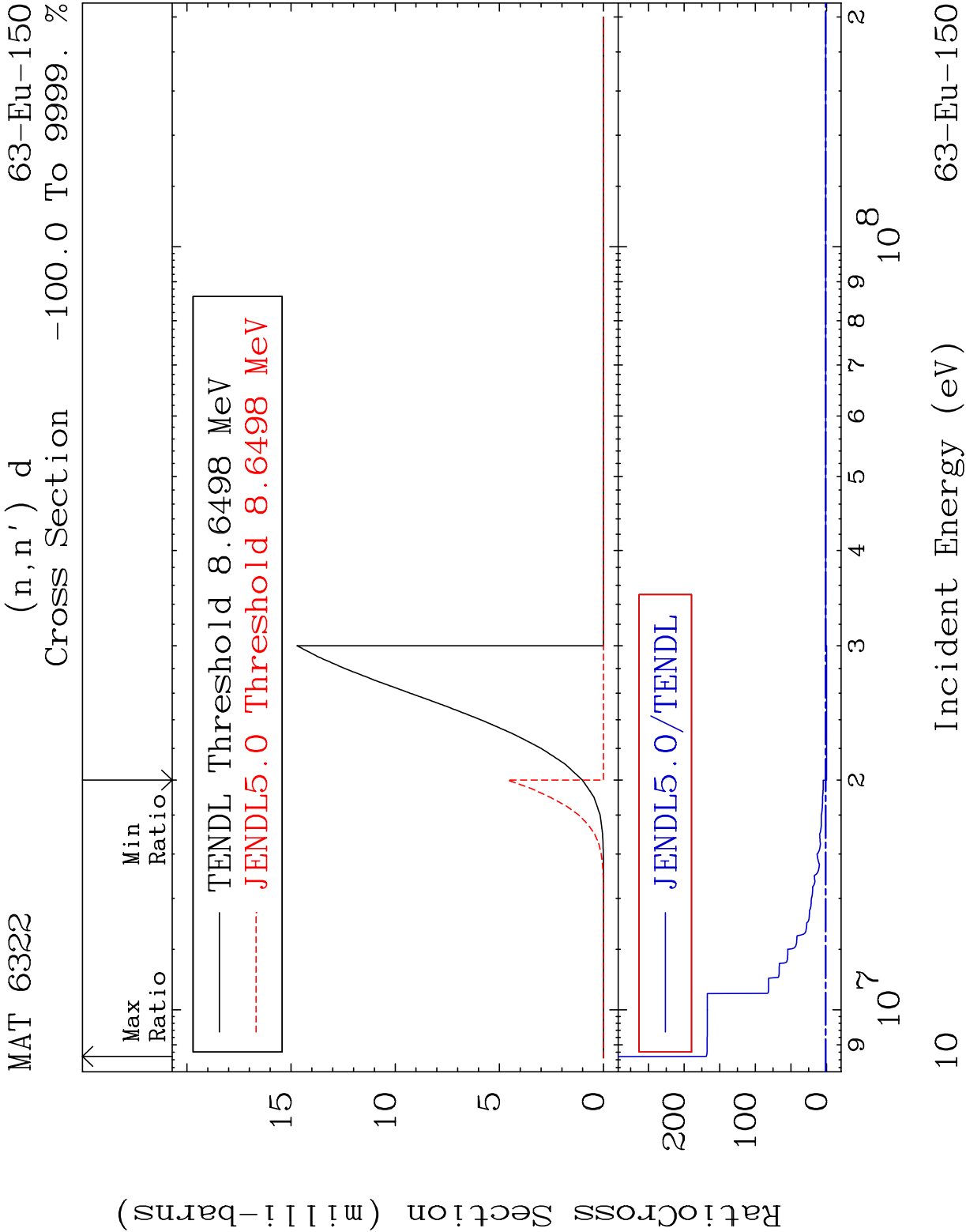


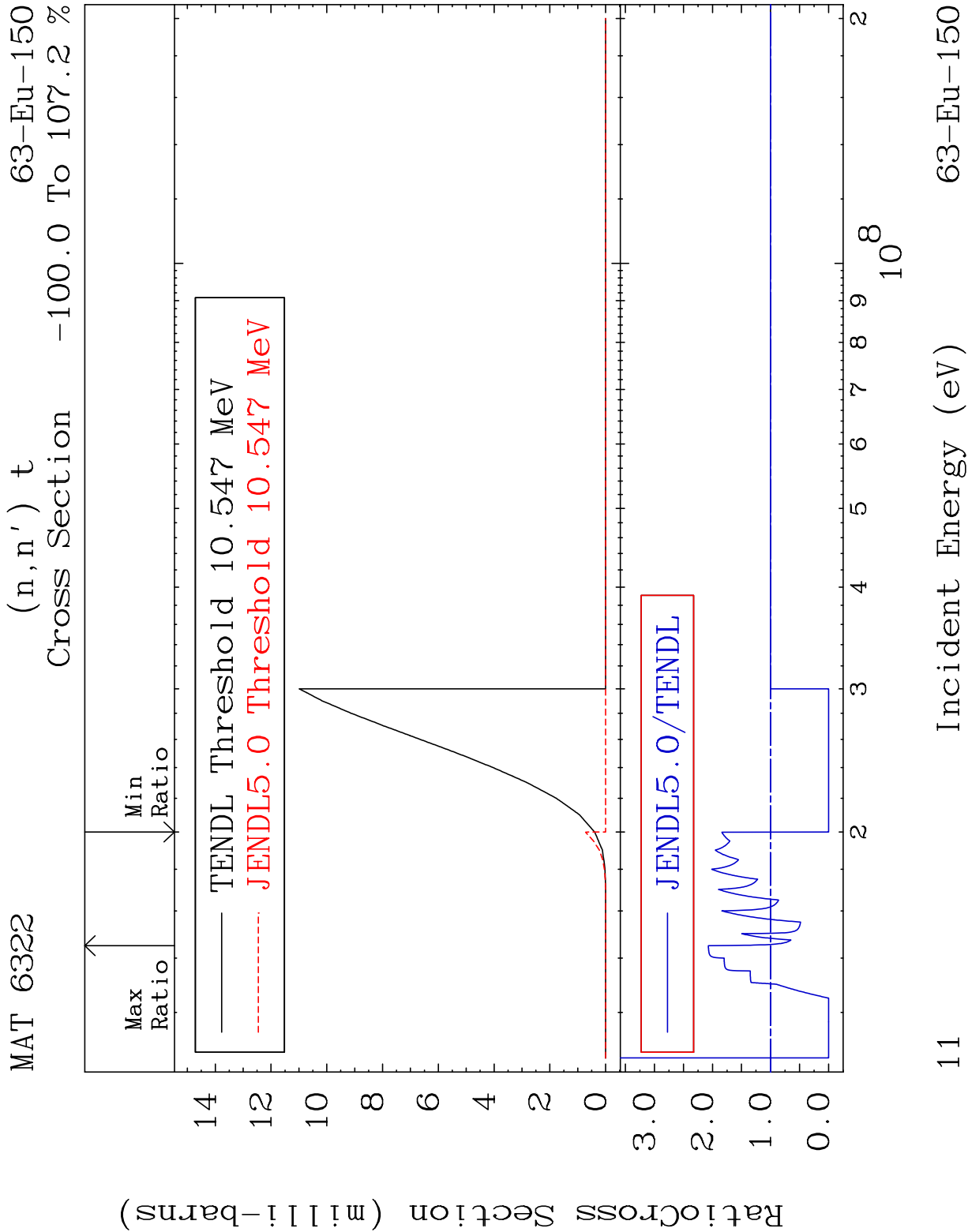


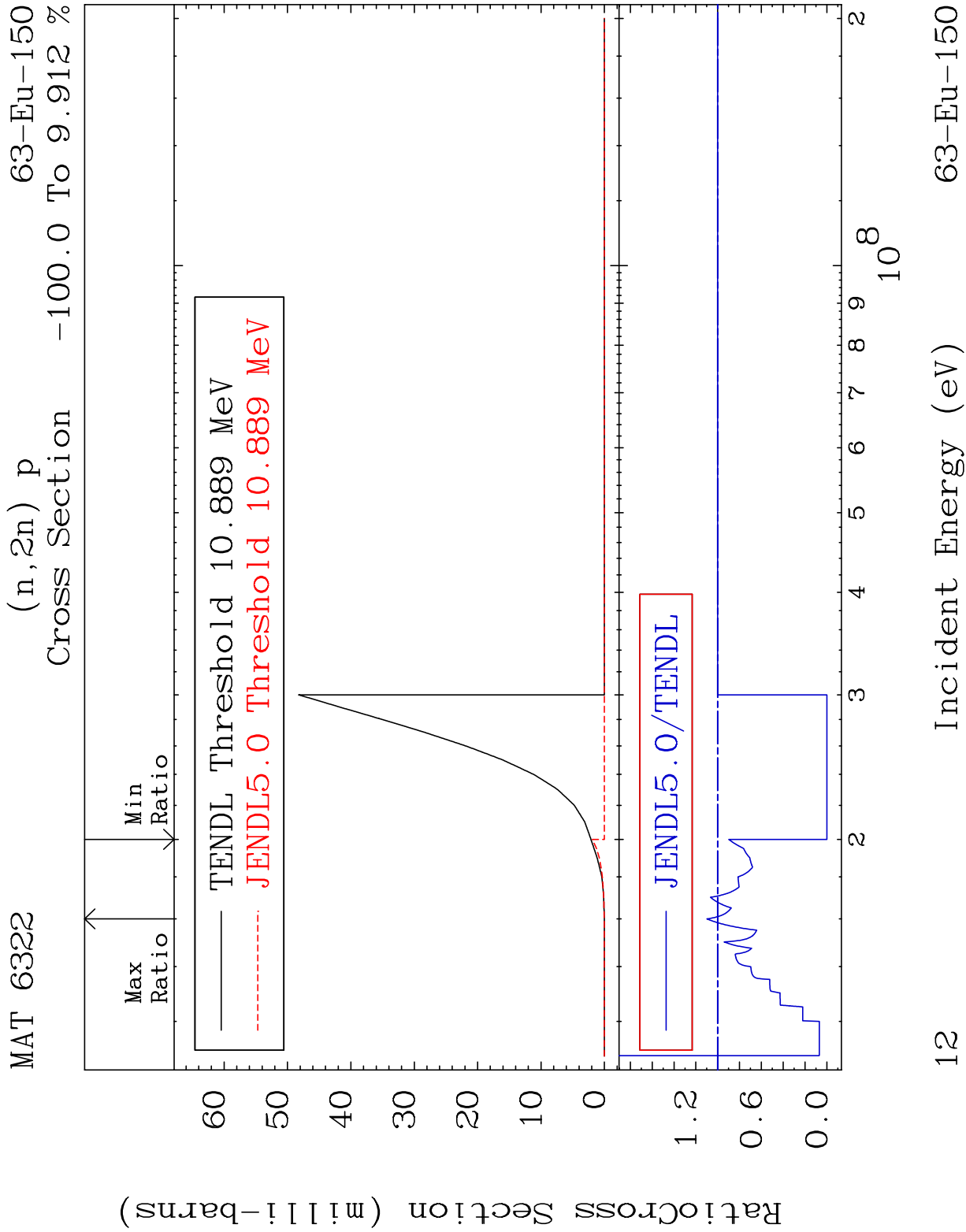




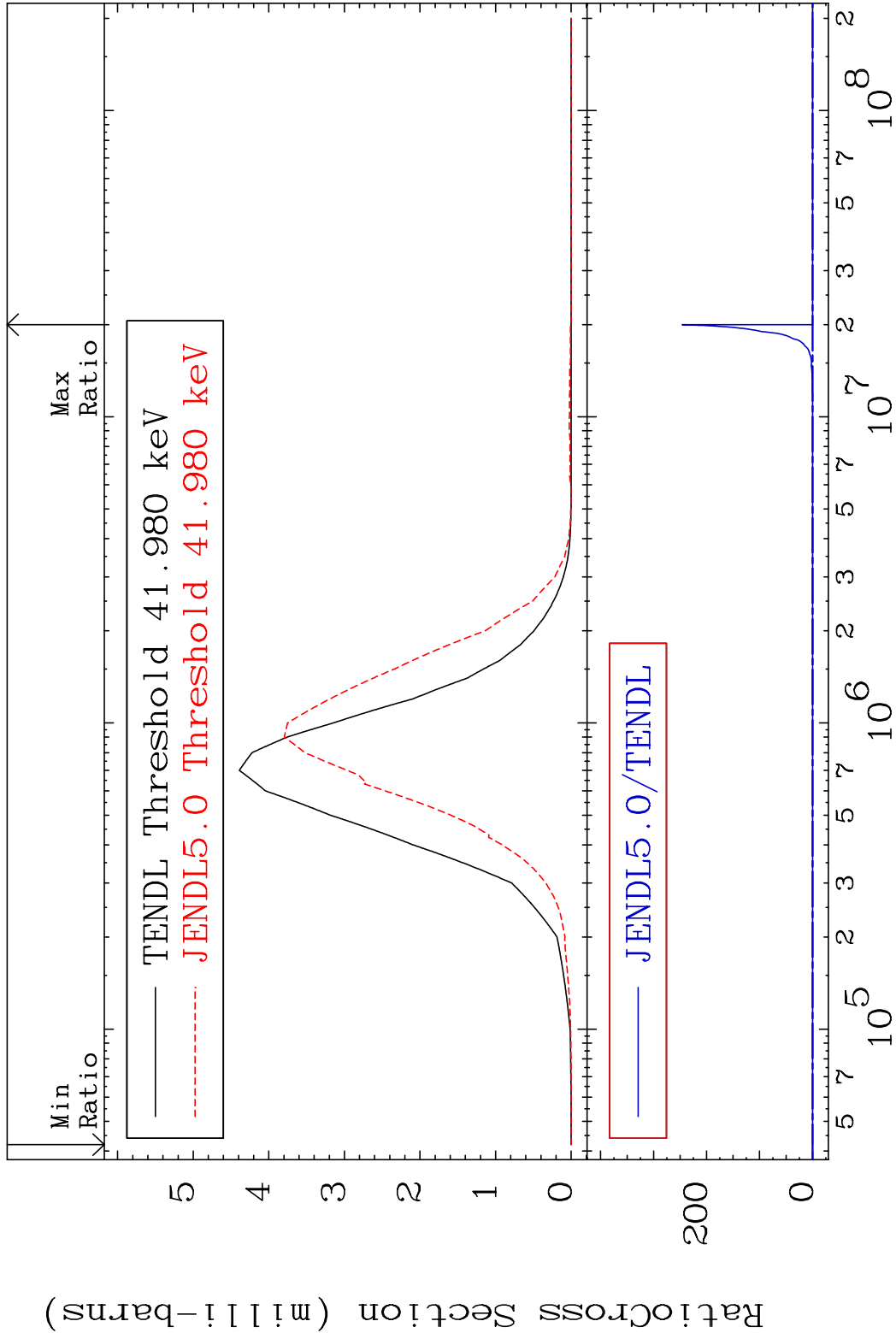






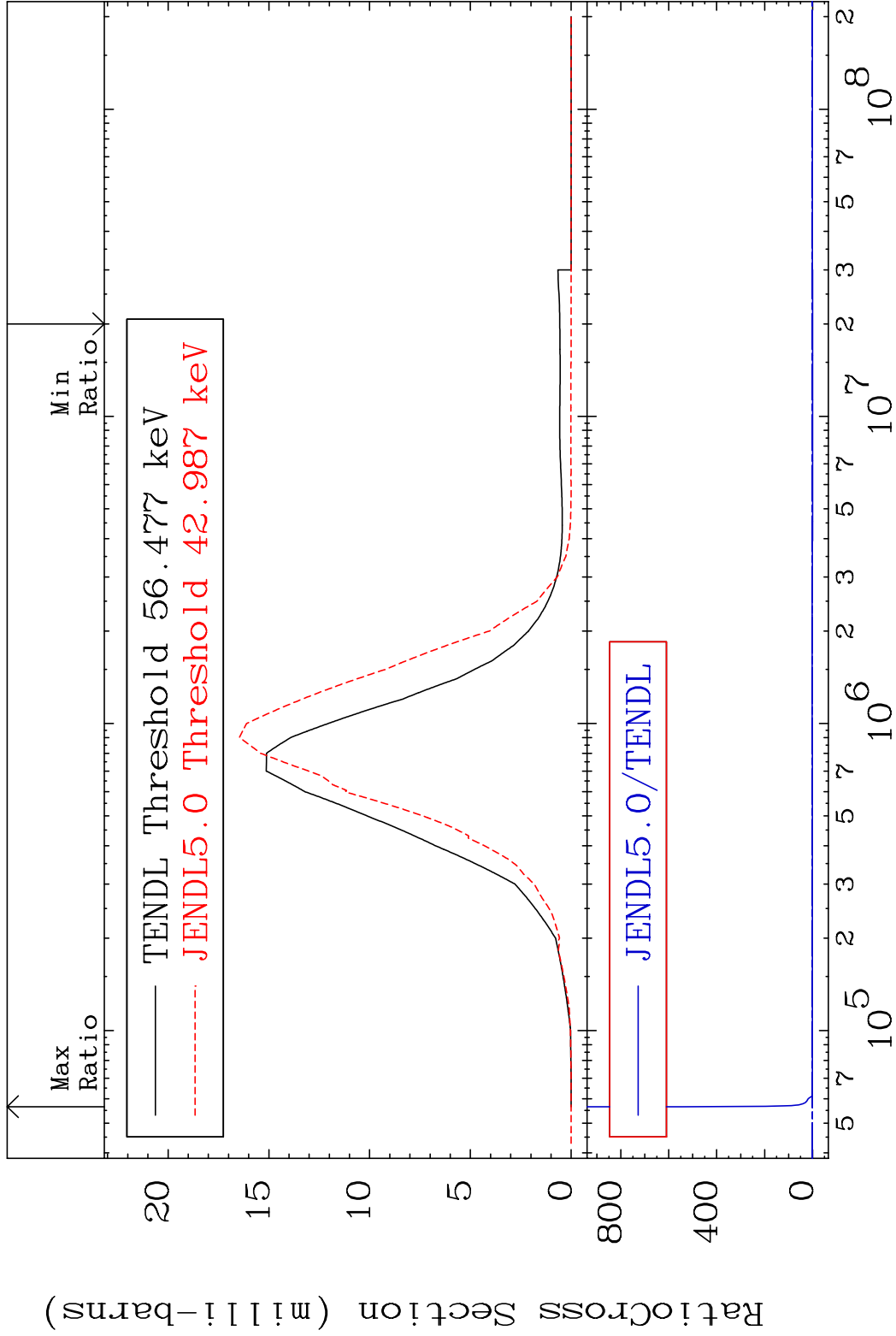


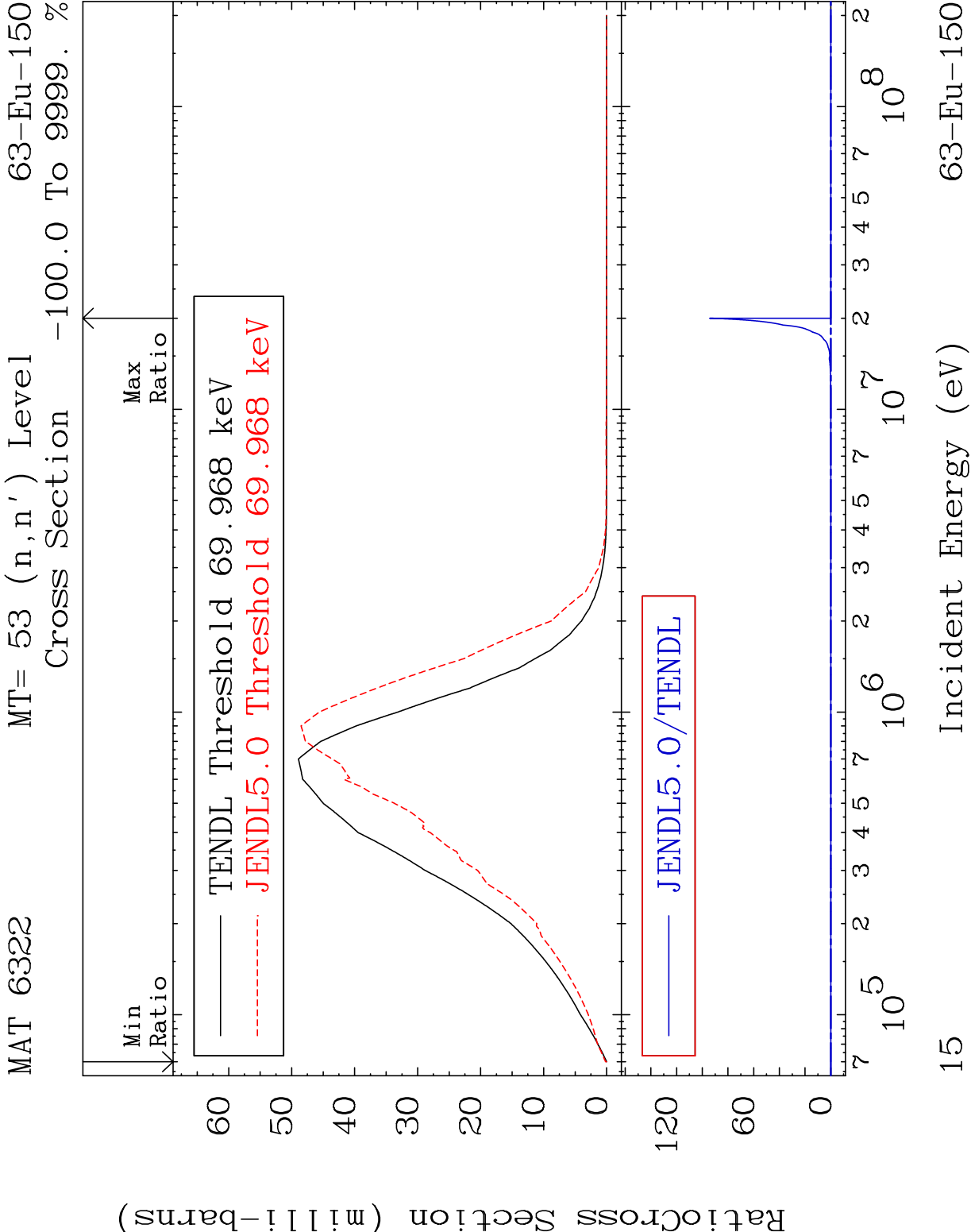
MAT 6322 MT= 51 (n,n') Level 63-Eu-150
Cross Section -100.0 To 9999. %

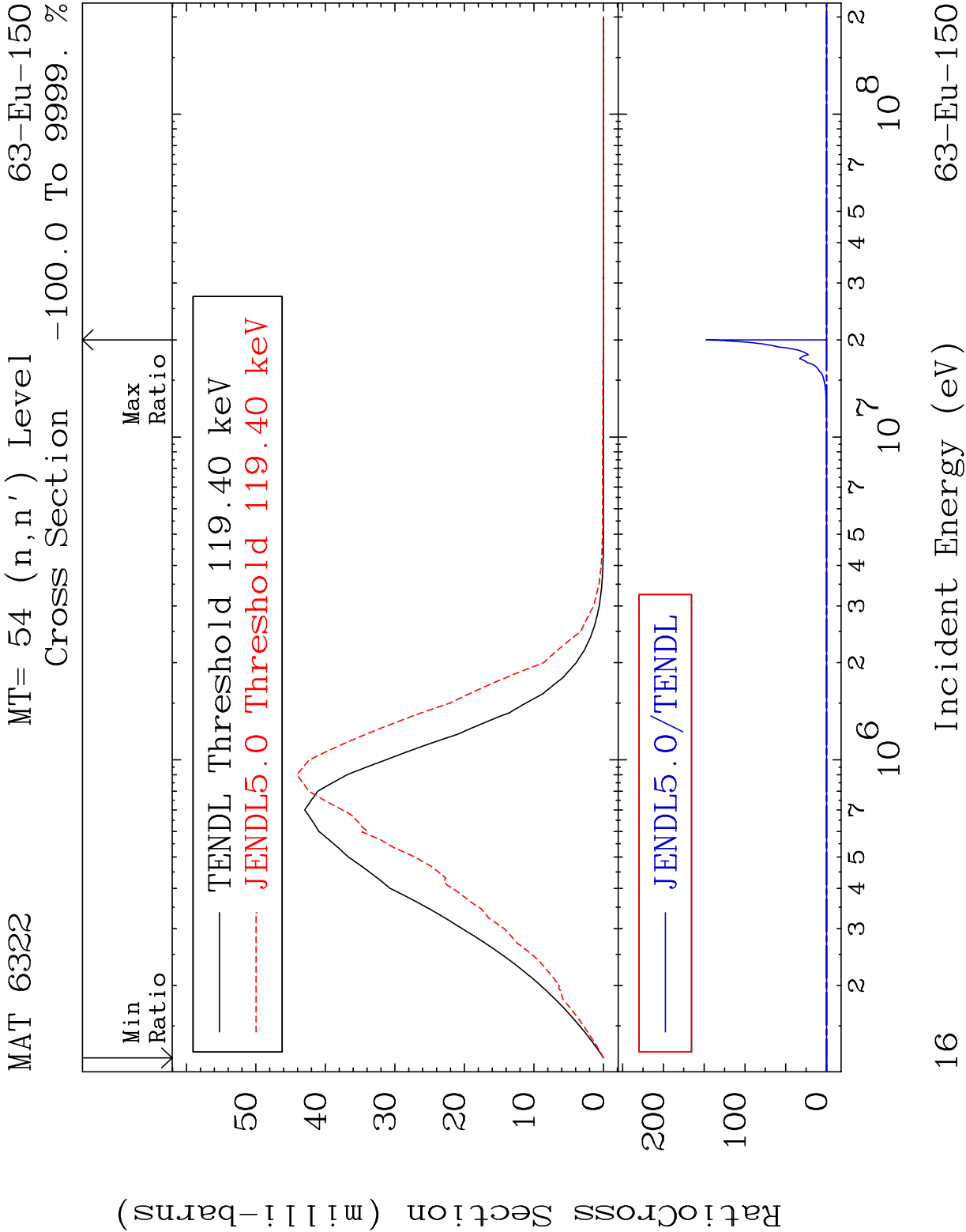


13 Incident Energy (eV) 63-Eu-150

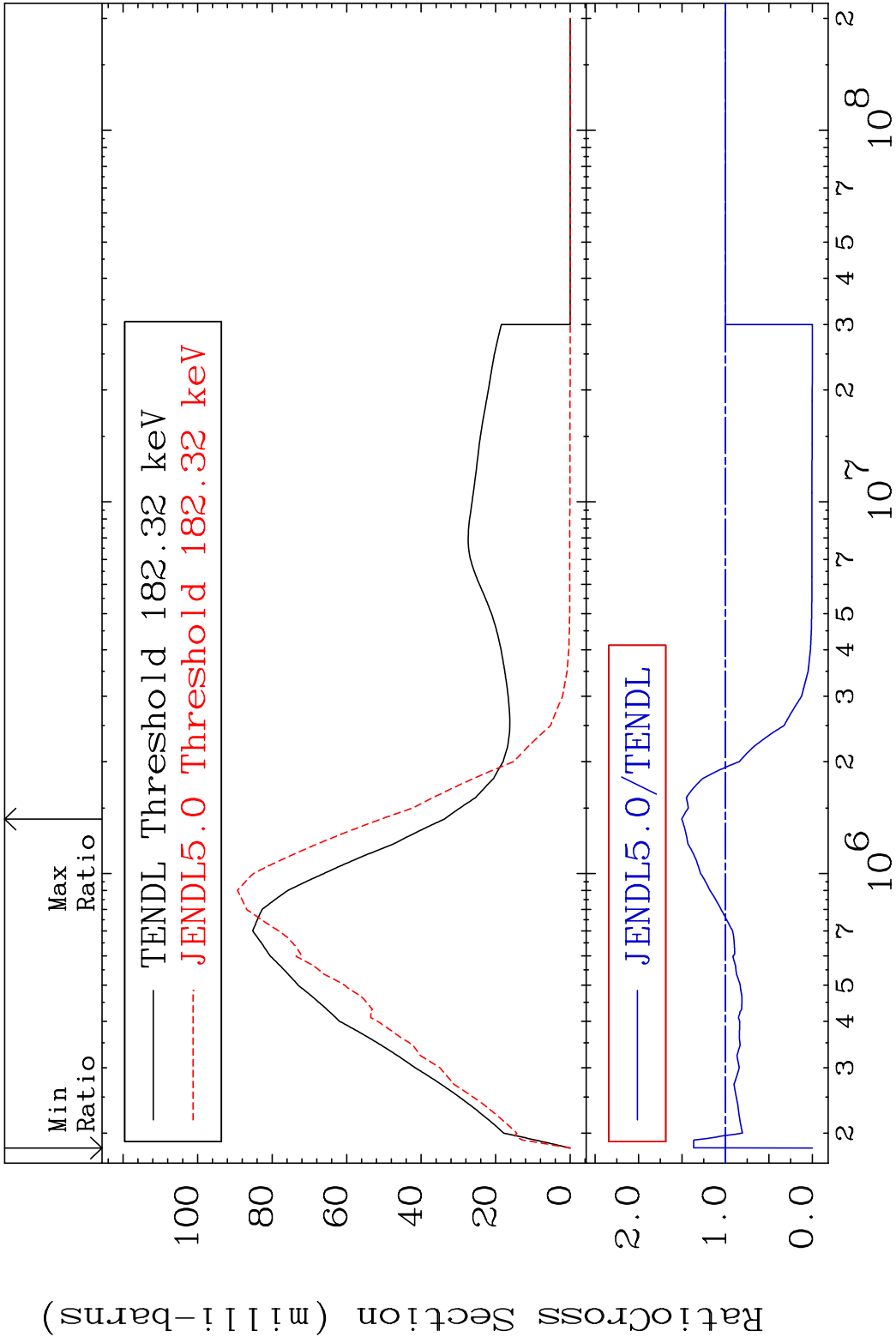
MAT 6322 MT= 52 (n,n') Level 63-Eu-150
Cross Section -100.0 To 9999. %







MAT 6322 MT= 55 (n,n') Level 63-Eu-150
Cross Section -100.0 To 50.28 %



MAT 6322

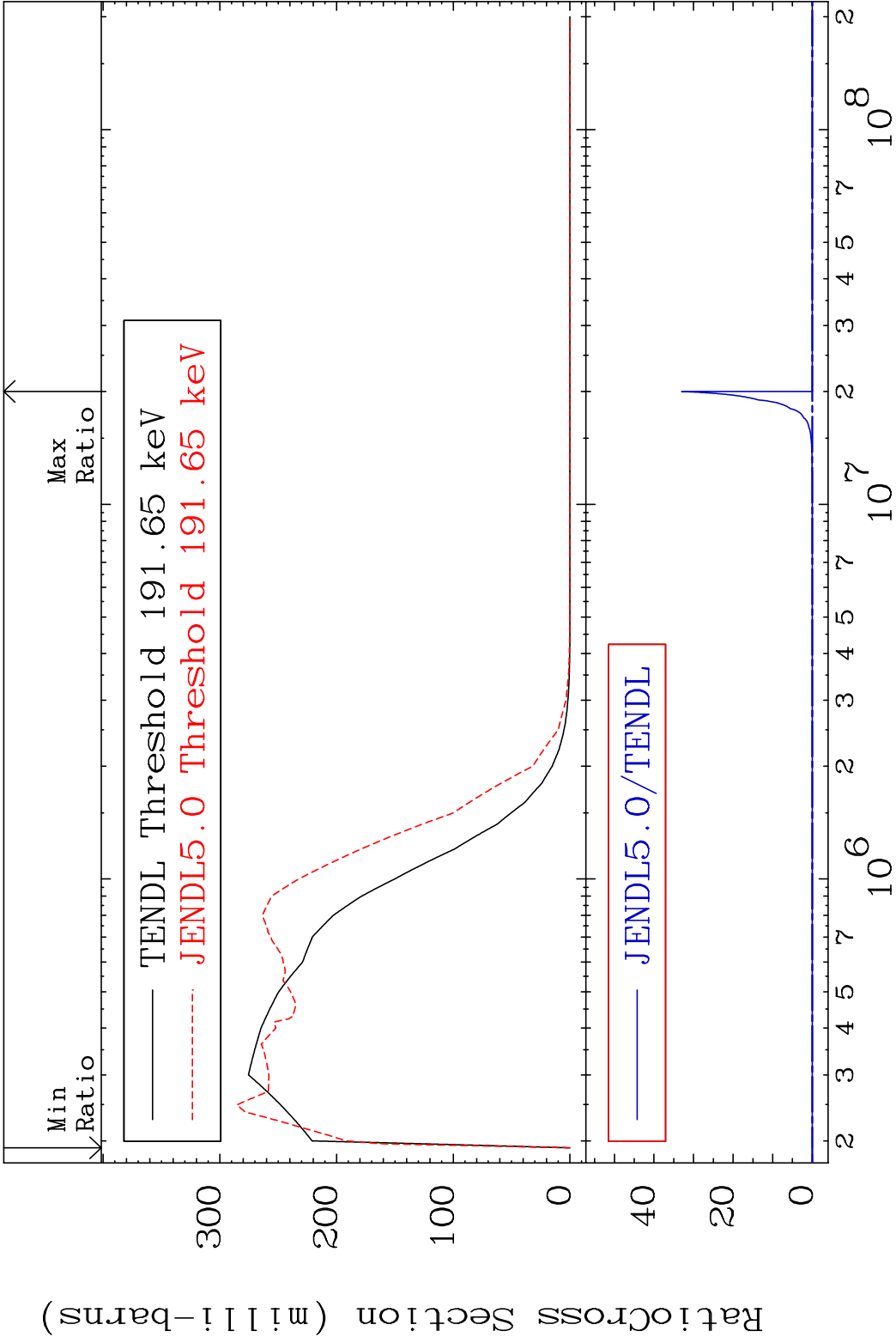
MT= 56 (n,n')

Level

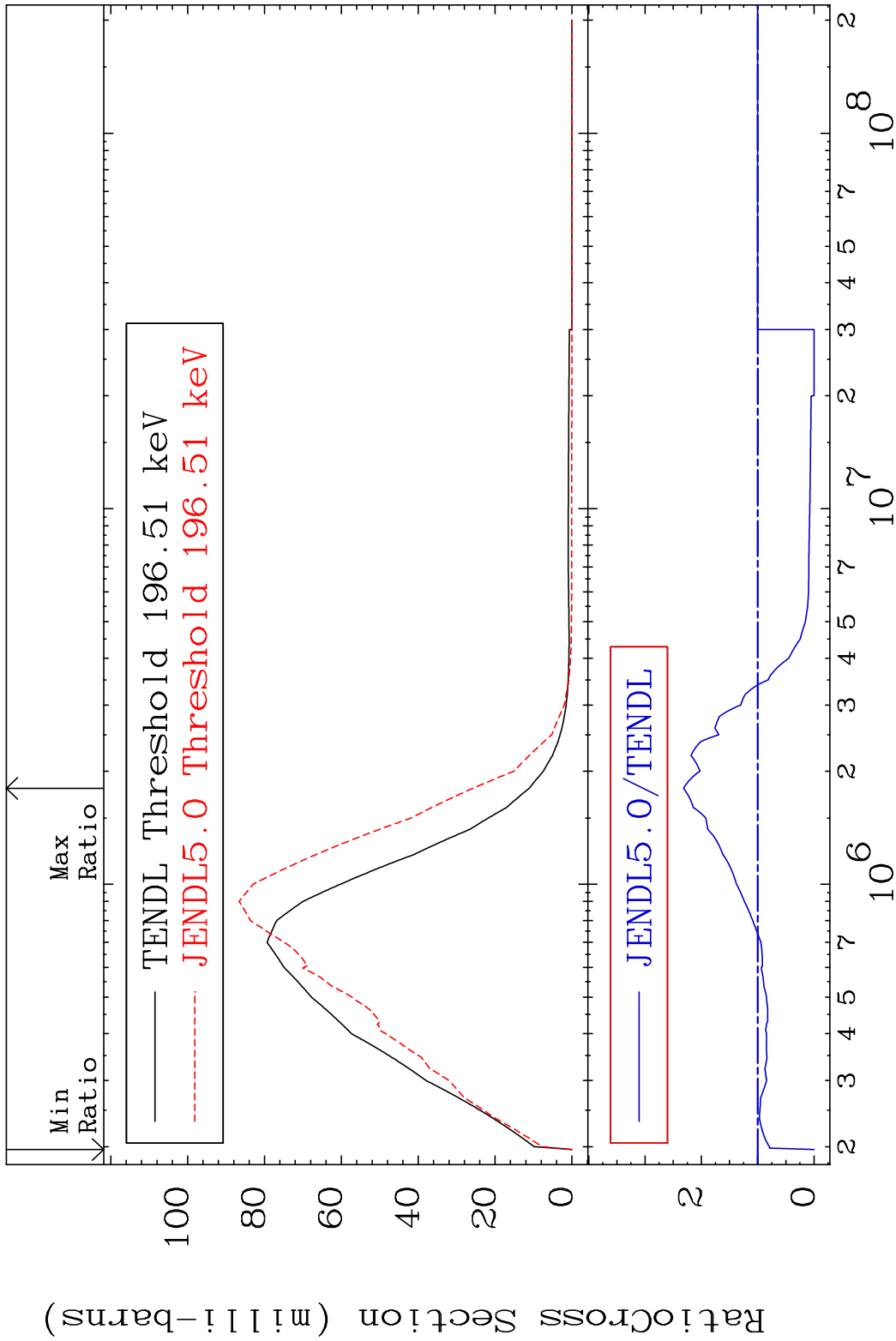
63-Eu-150

Cross Section

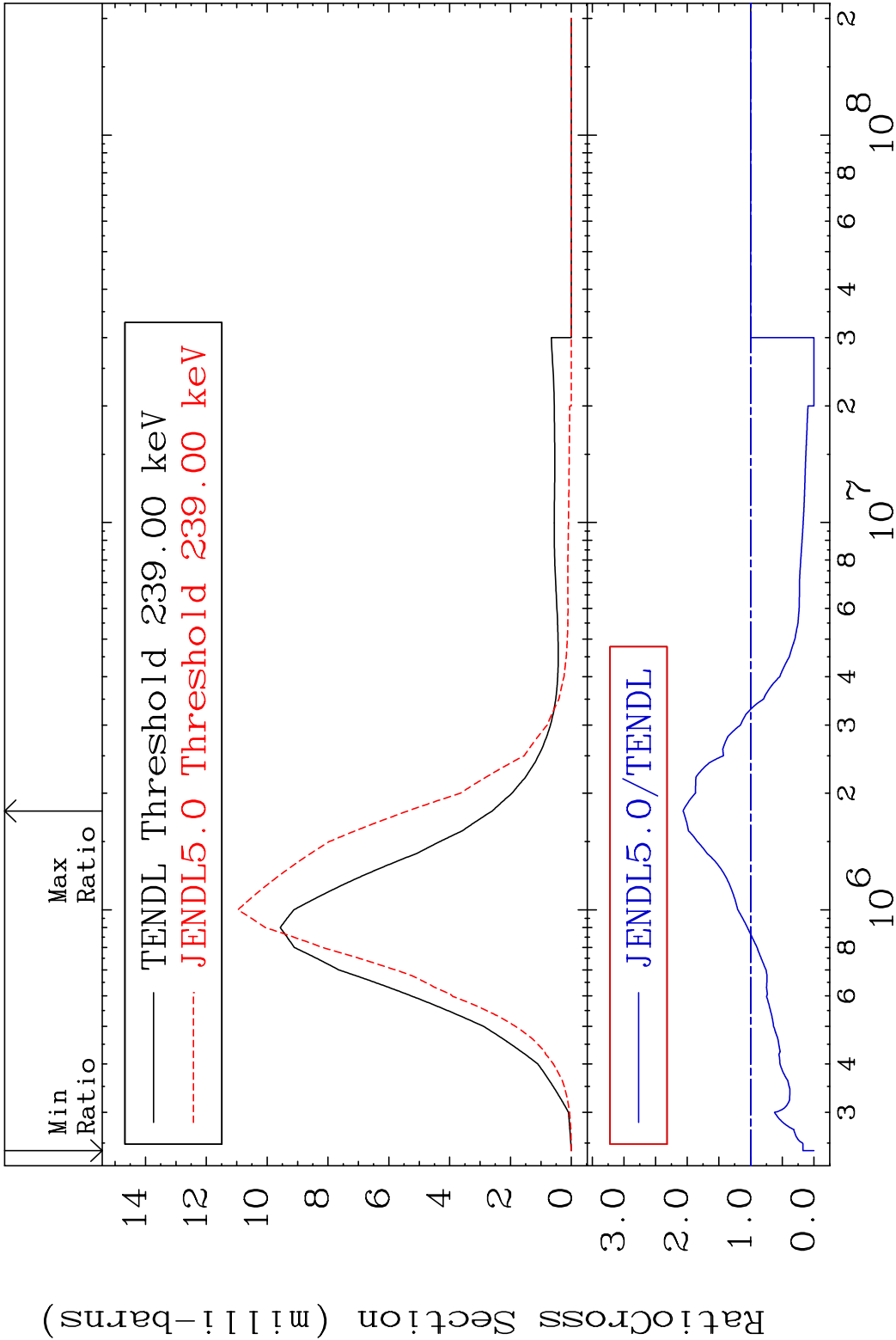
-100.0 To 9999. %

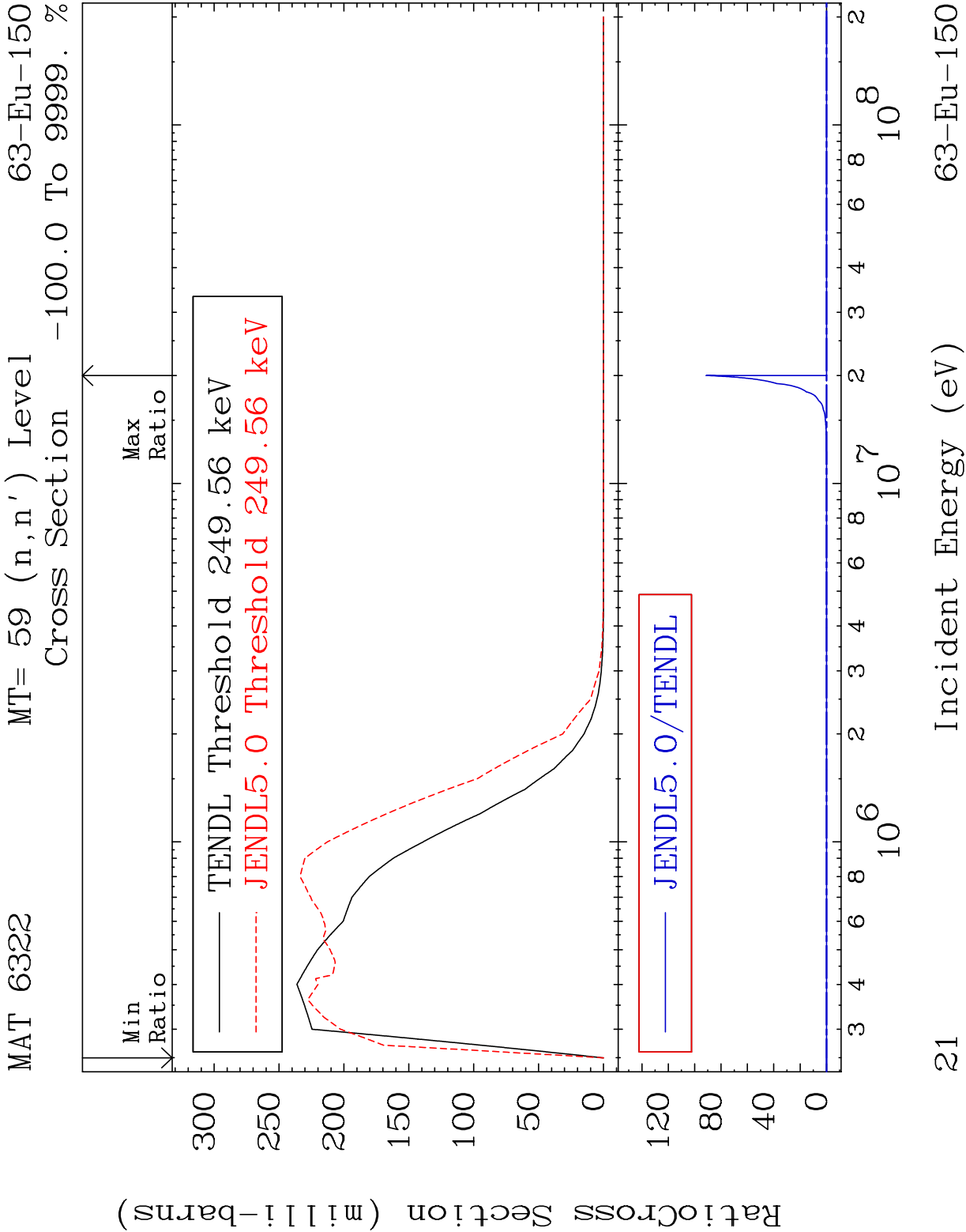


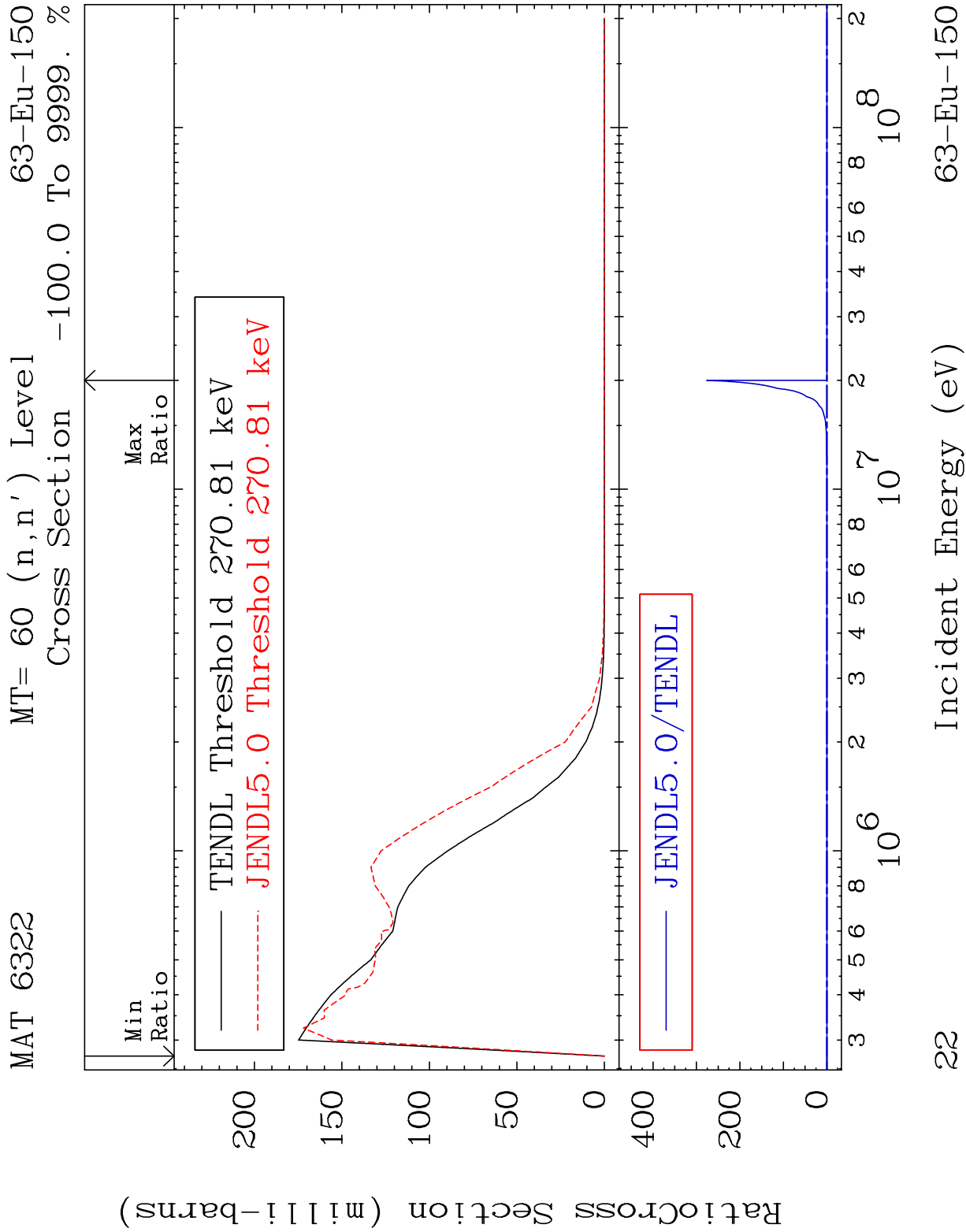
MAT 6322 MT= 57 (n,n') Level 63-Eu-150
 Cross Section -100.0 To 131.8 %



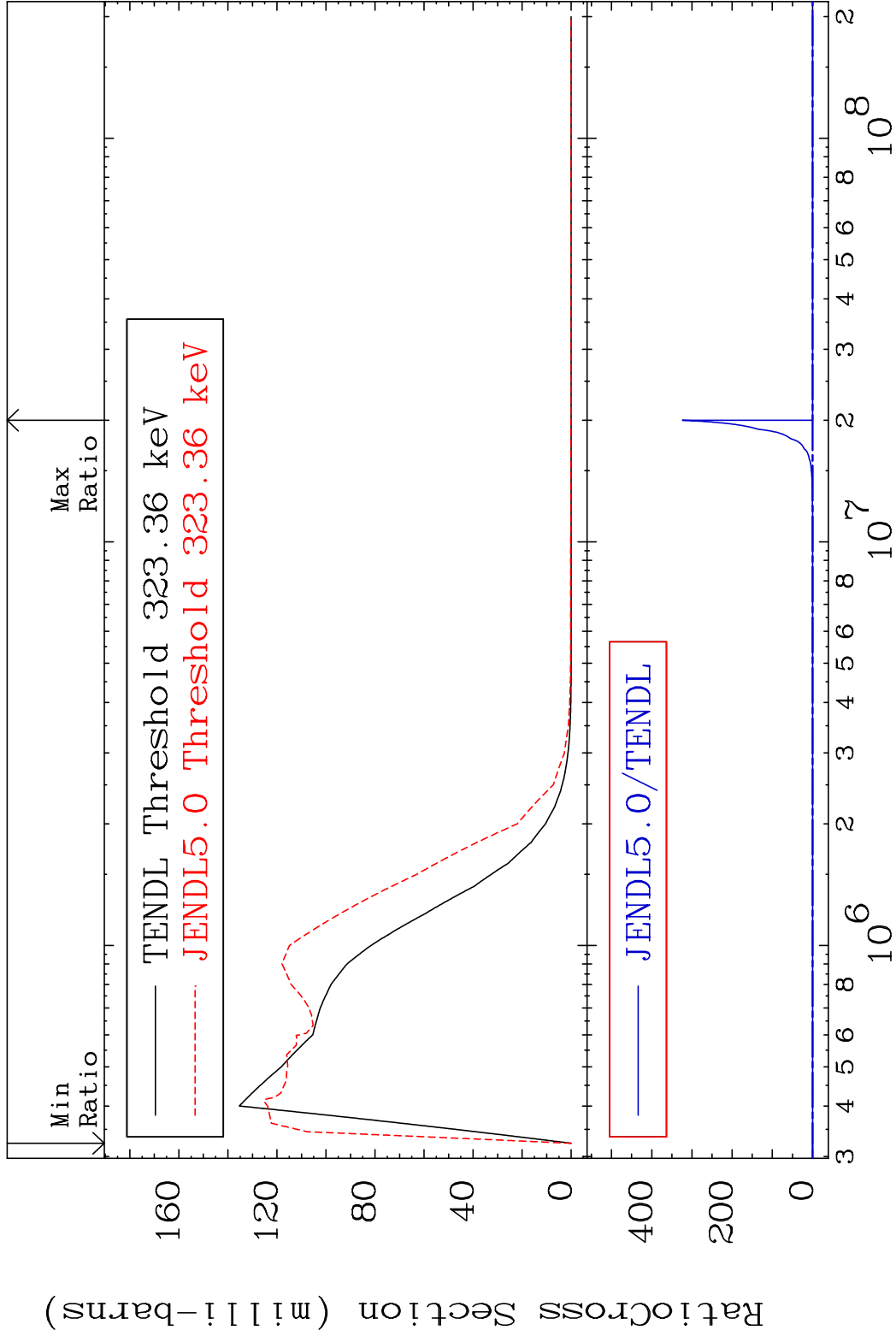
MAT 6322 MT= 58 (n,n') Level 63-Eu-150
 Cross Section -100.0 To 106.7 %



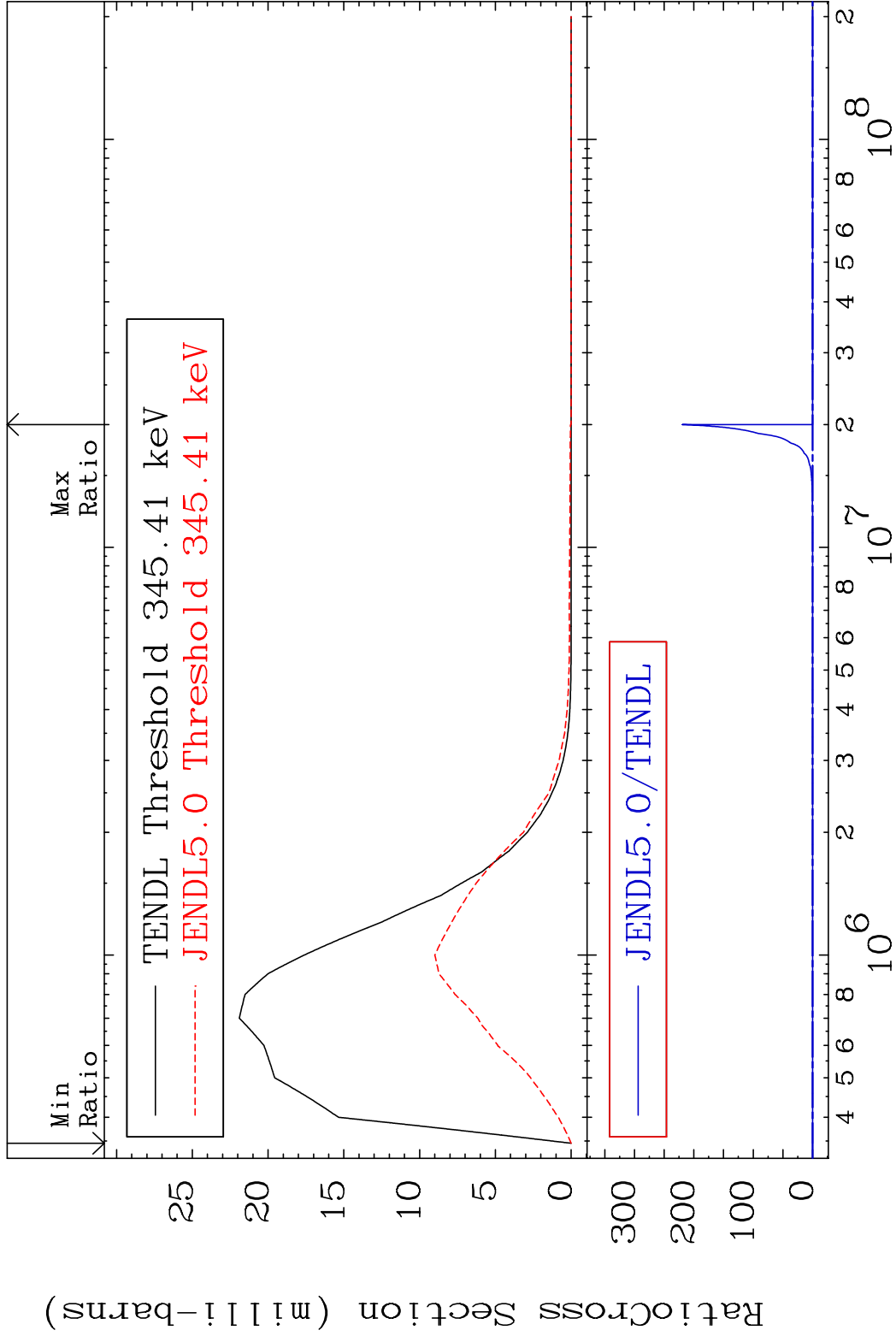




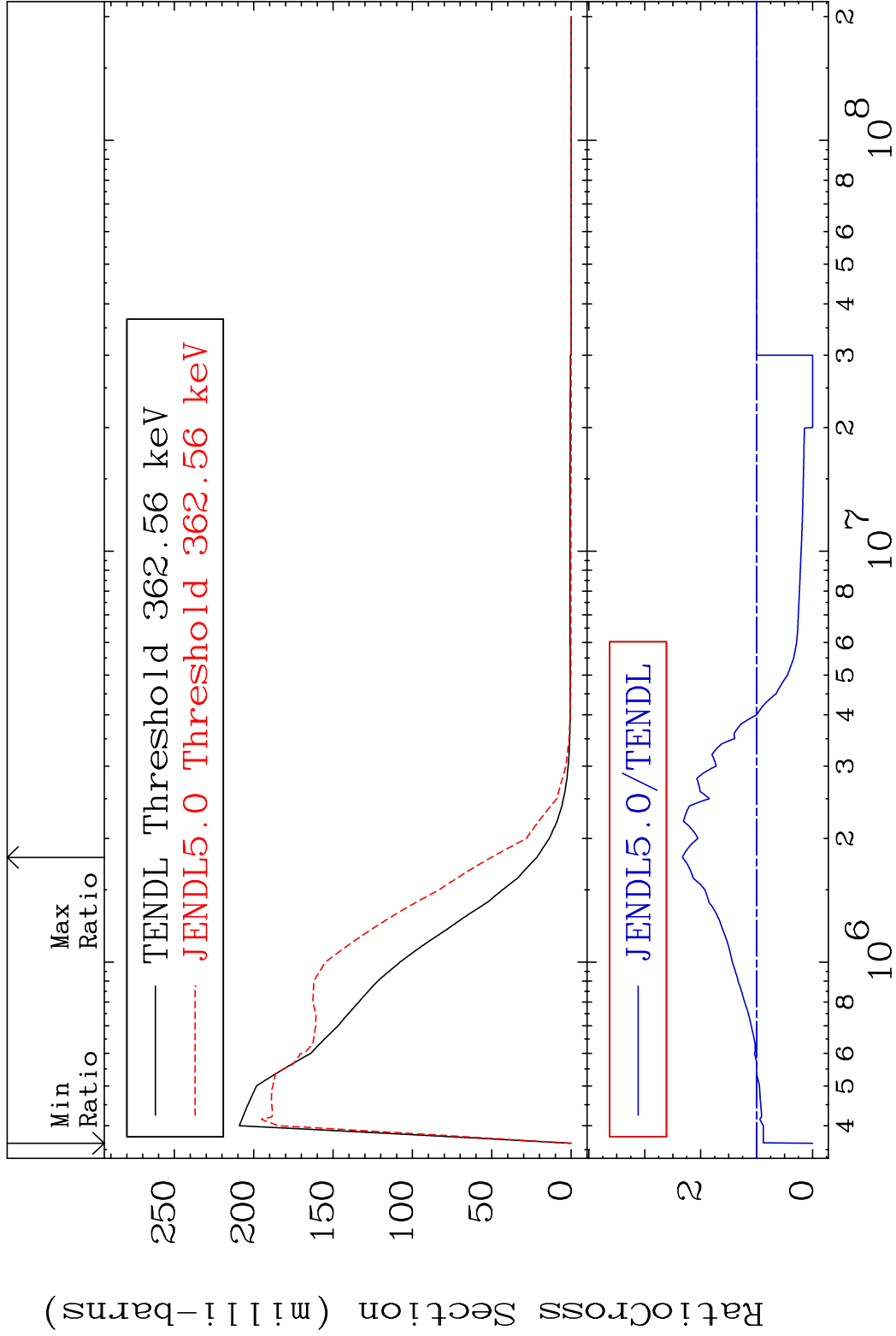
MAT 6322 MT= 61 (n,n') Level 63-Eu-150
Cross Section -100.0 To 9999. %



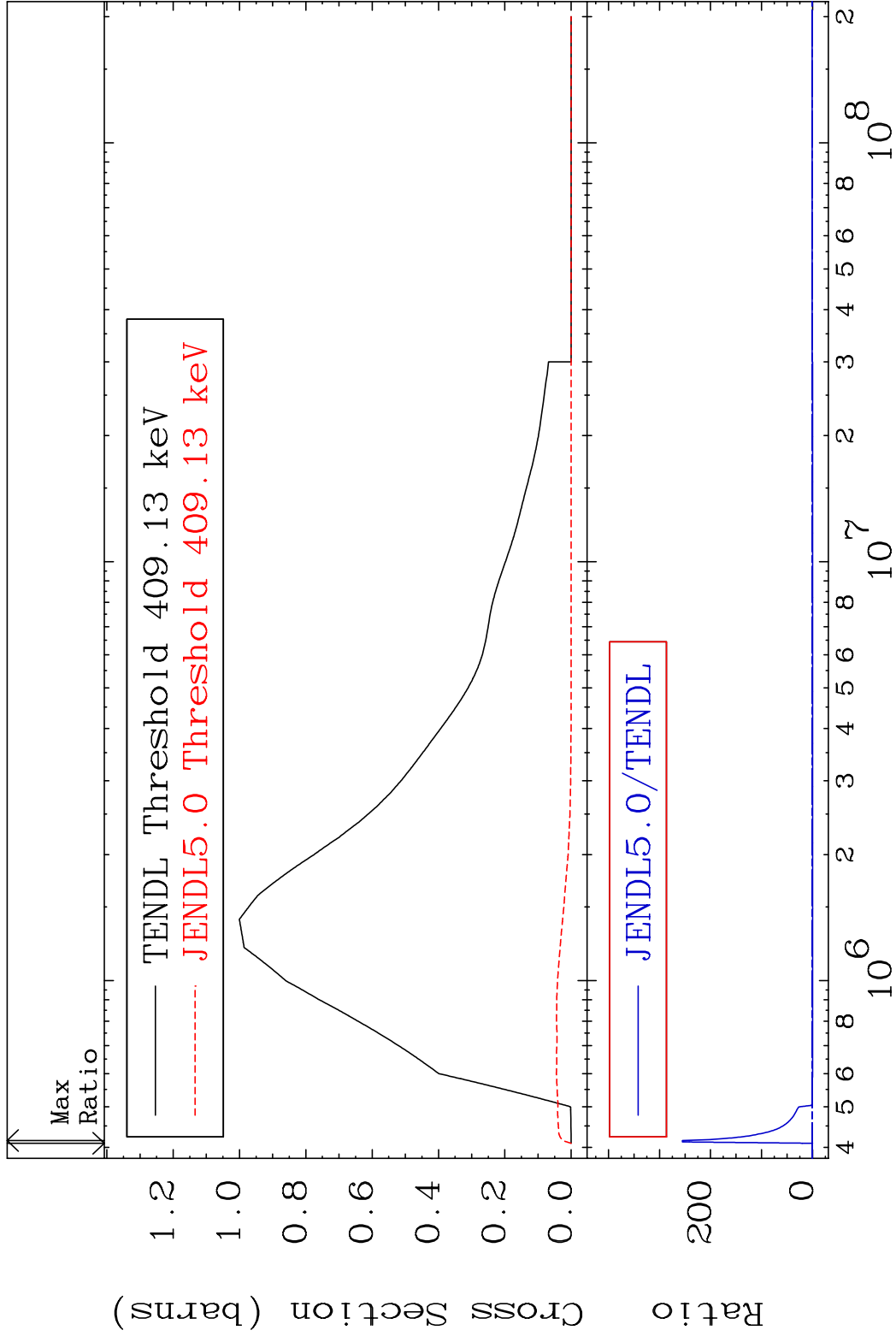
MAT 6322 MT= 62 (n,n') Level 63-Eu-150
Cross Section -100.0 To 9999. %



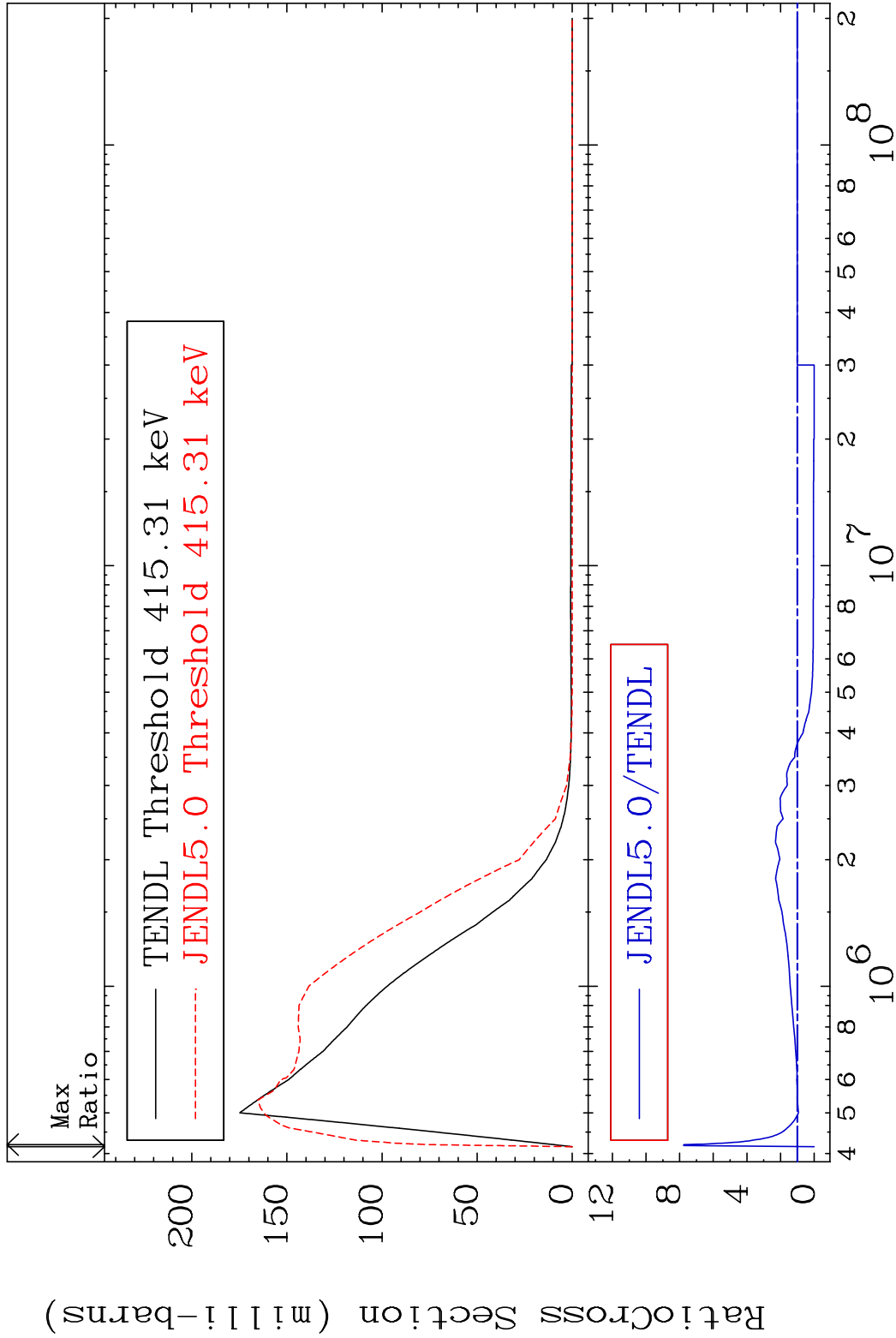
MAT 6322 MT= 63 (n,n') Level 63-Eu-150
Cross Section -100.0 To 132.7 %



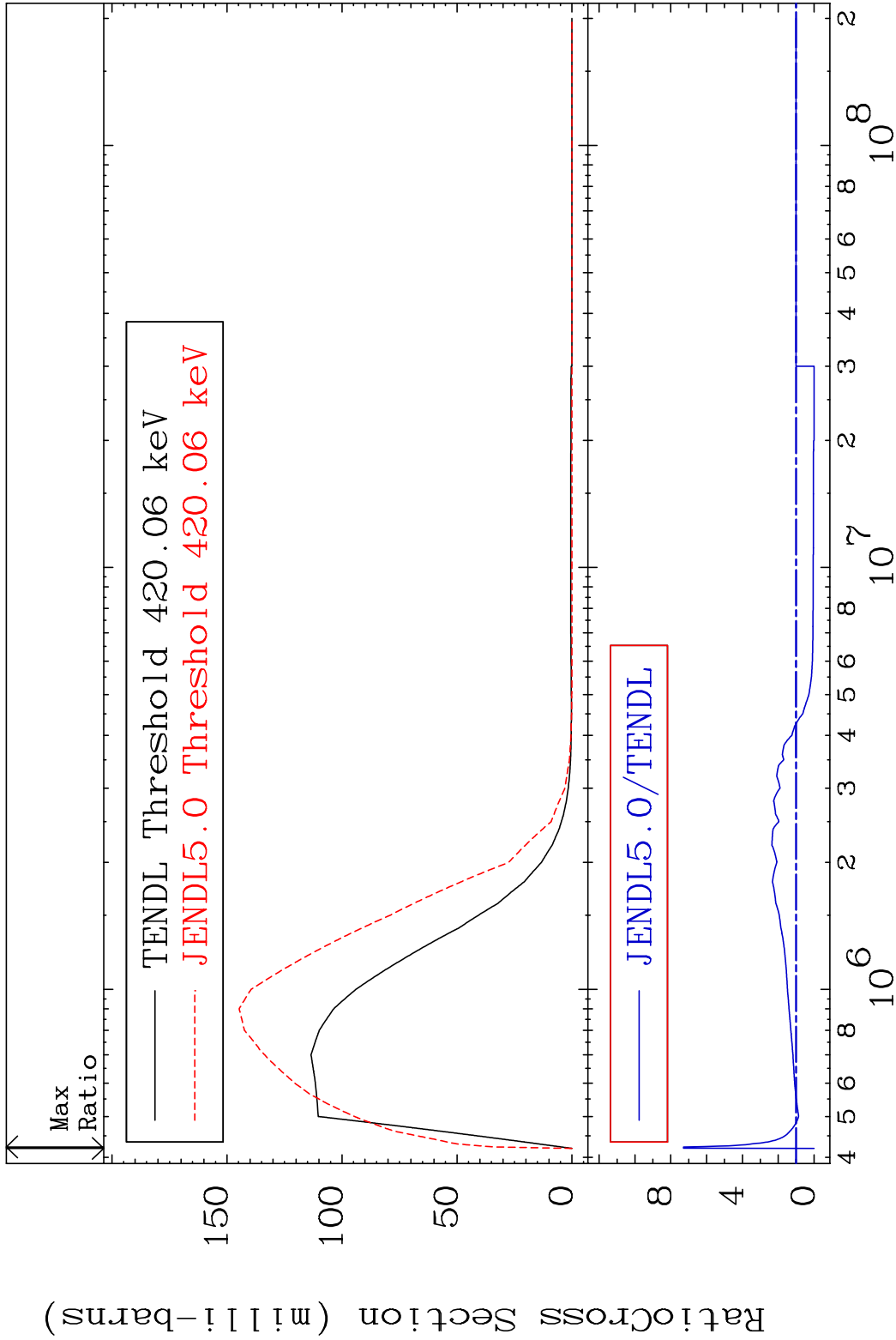
MAT 6322 MT= 64 (n,n') Level 63-Eu-150
Cross Section -100.0 To 9999. %



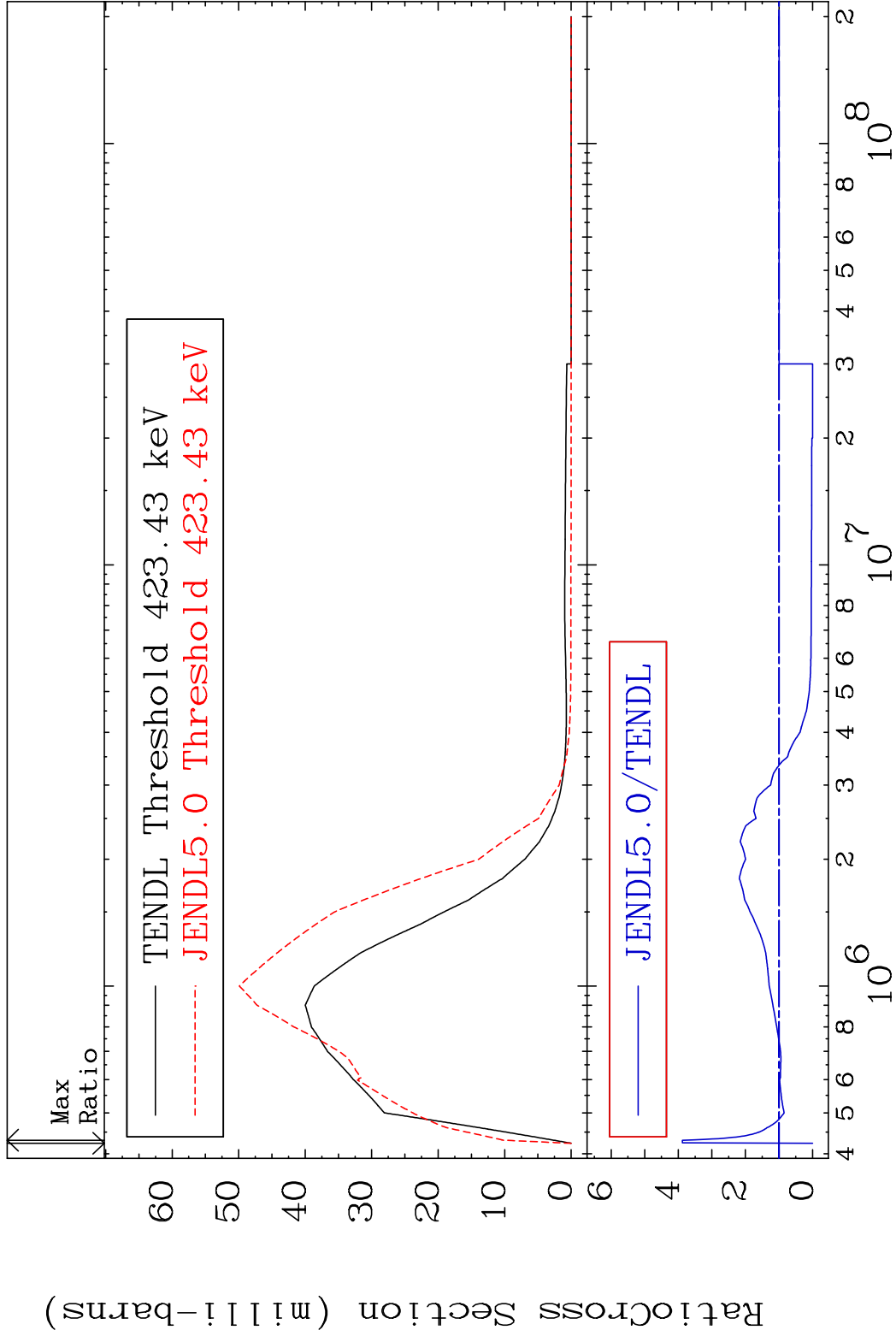
MAT 6322 MT= 65 (n,n') Level 63-Eu-150
 Cross Section -100.0 To 676.1 %



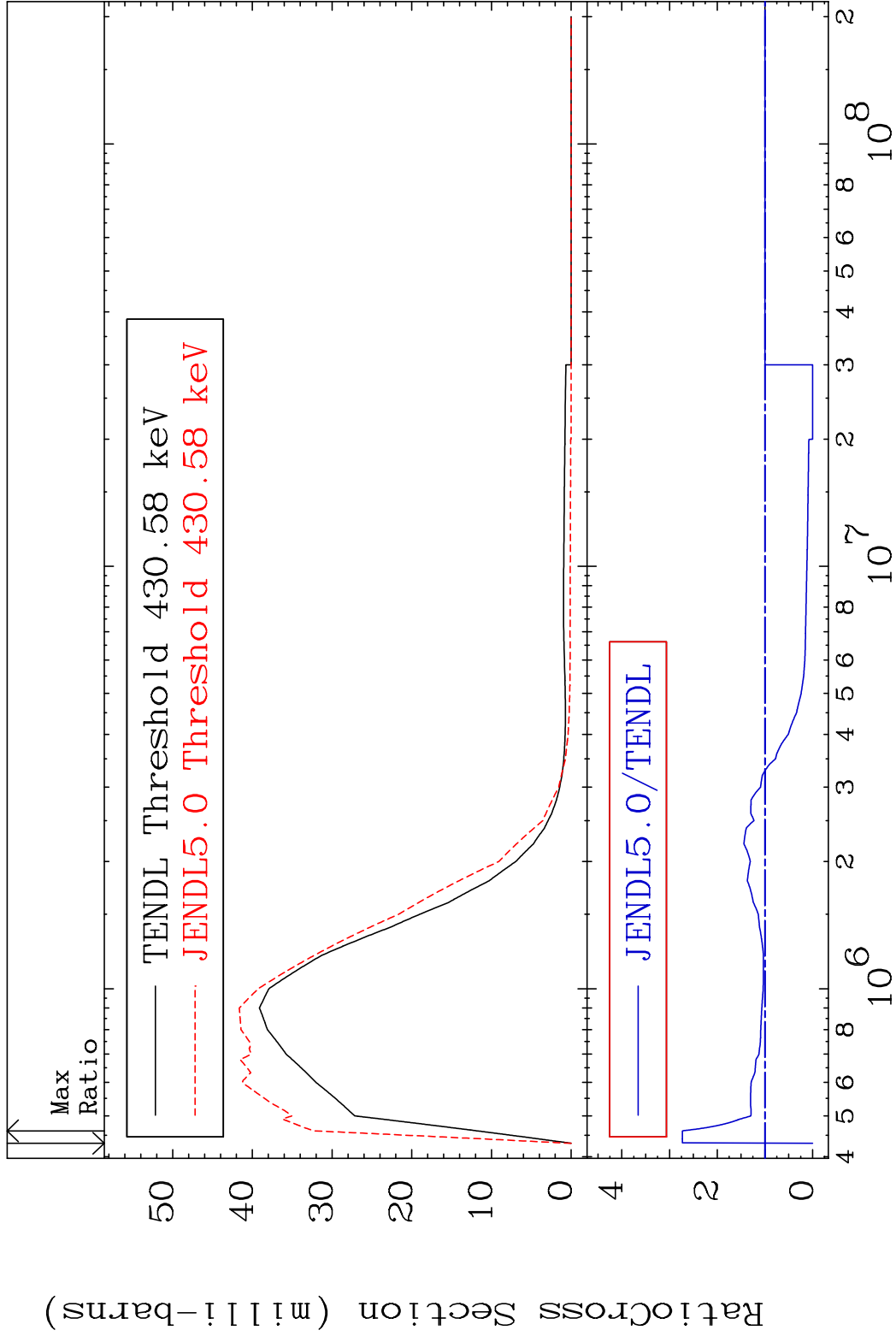
MAT 6322 MT= 66 (n,n') Level 63-Eu-150
 Cross Section -100.0 To 629.3 %



MAT 6322 MT= 67 (n,n') Level 63-Eu-150
Cross Section -100.0 To 287.8 %

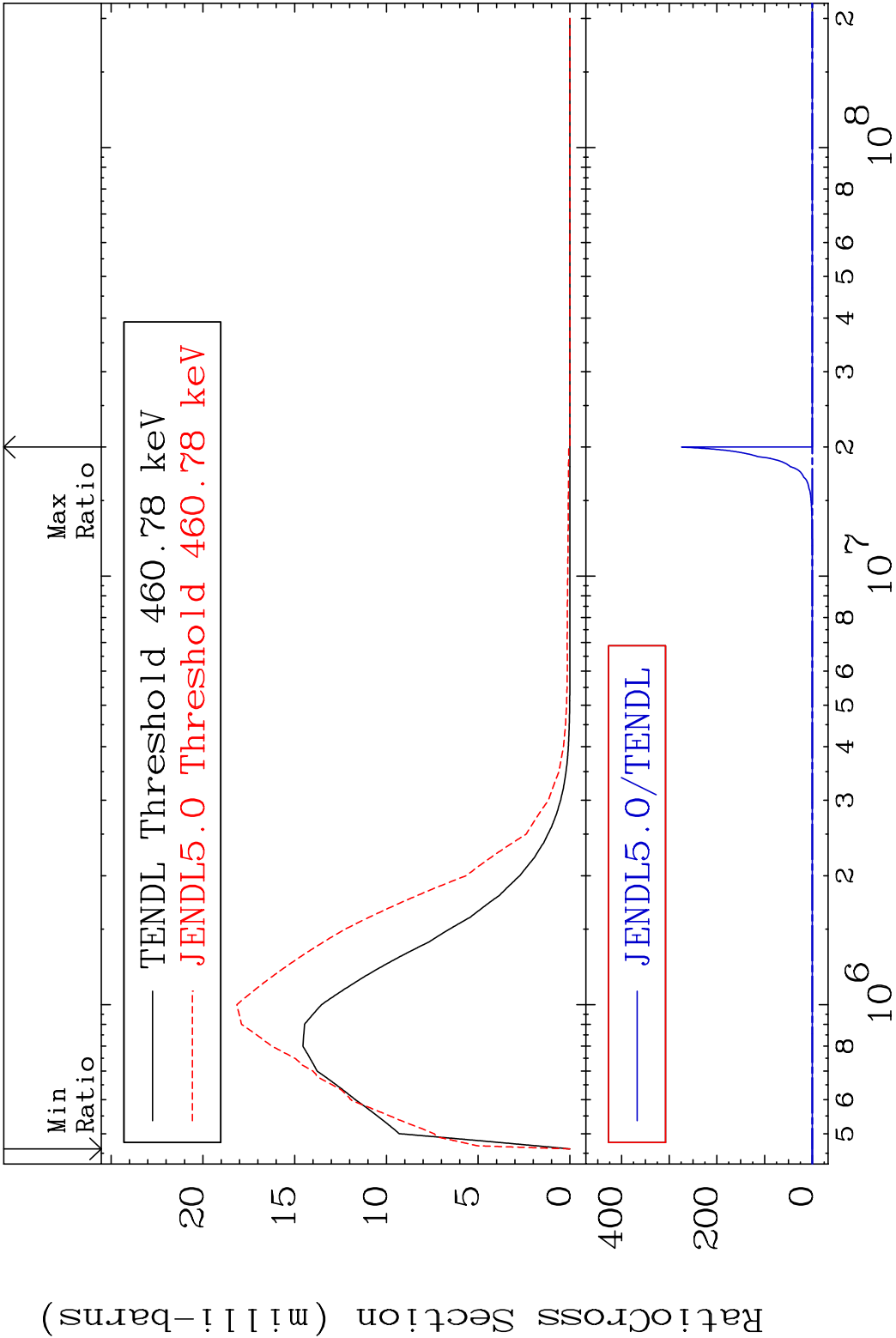


MAT 6322 MT= 68 (n,n') Level 63-Eu-150
Cross Section -100.0 To 173.1 %

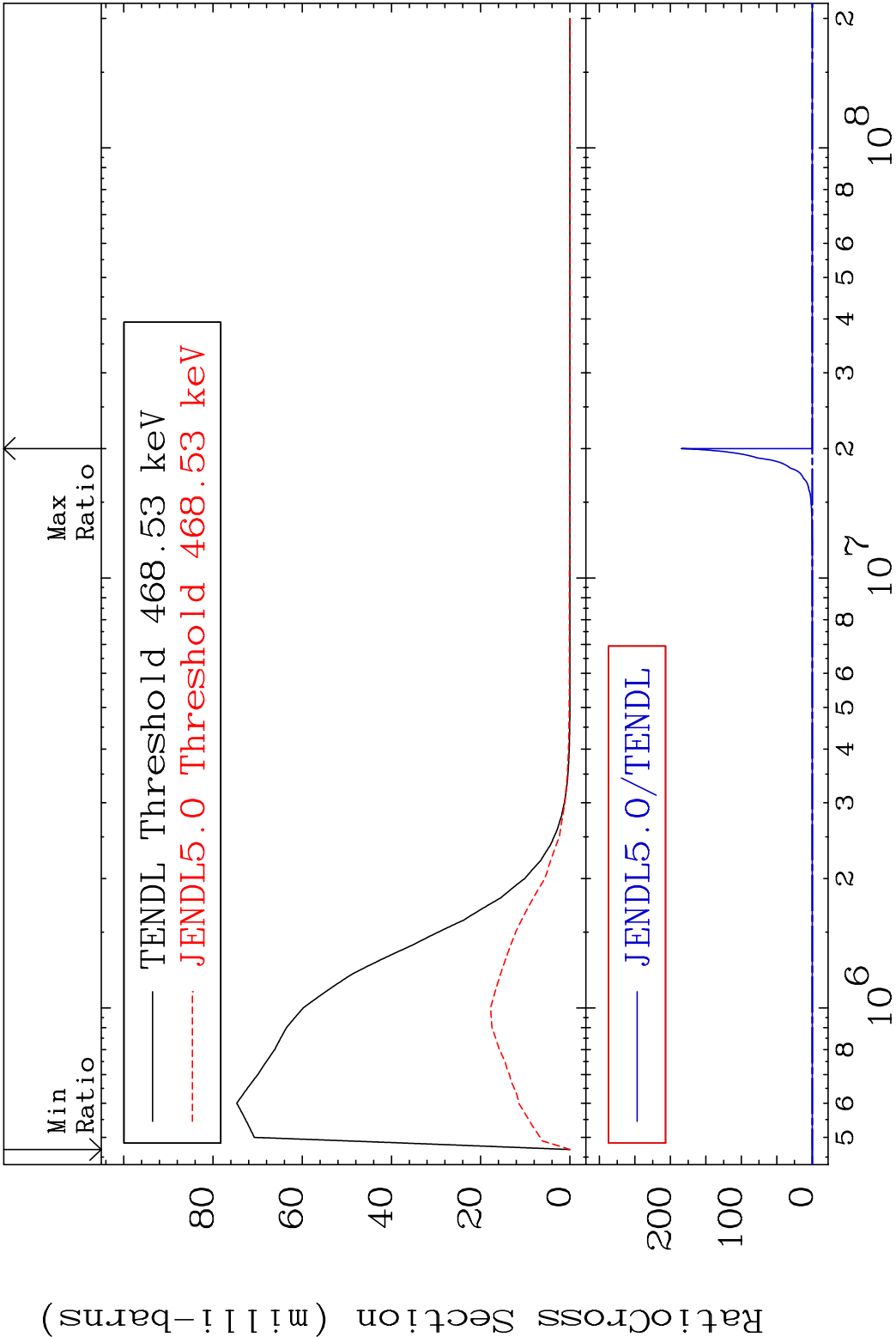


30 Incident Energy (eV) 63-Eu-150

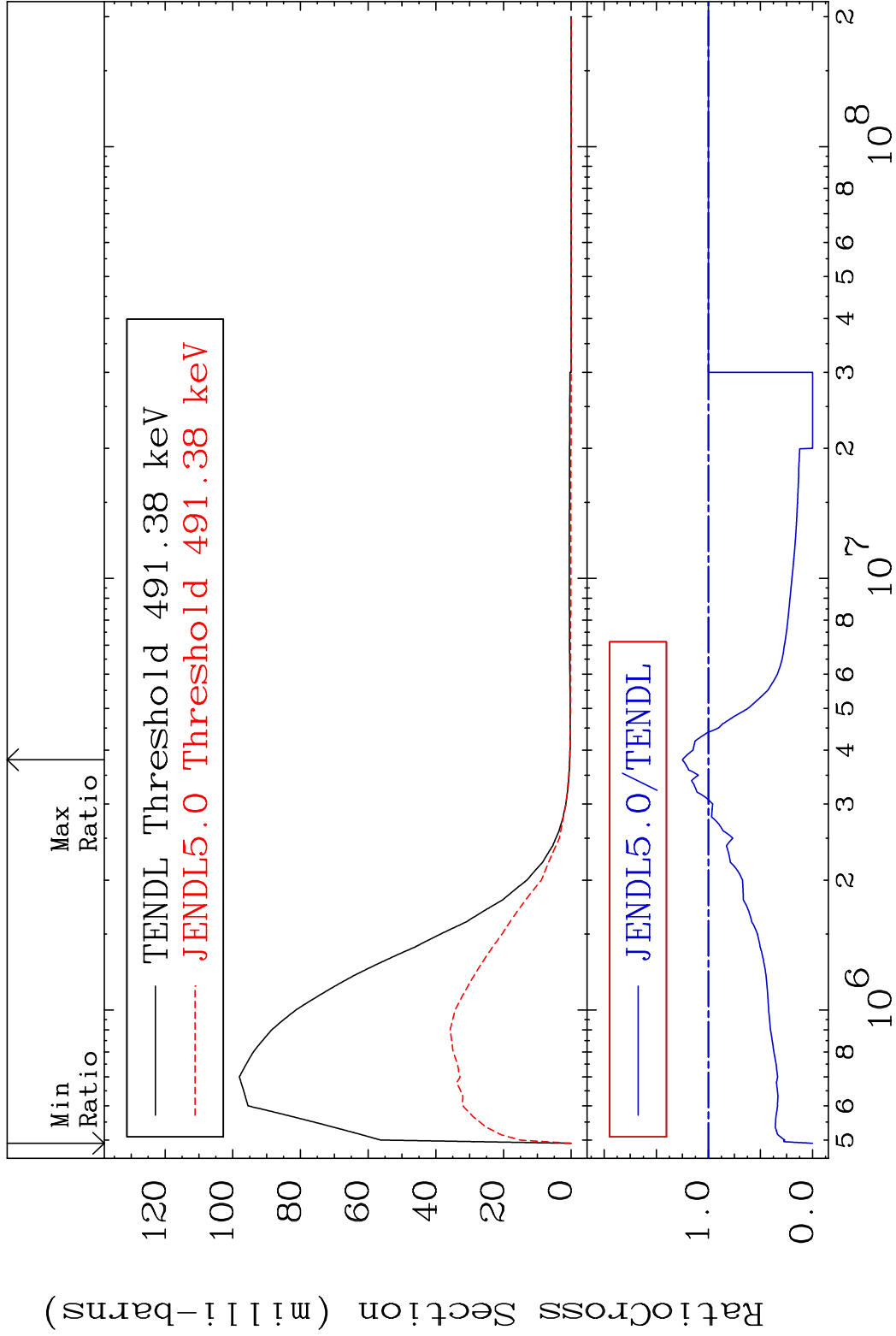
MAT 6322 MT= 69 (n,n') Level 63-Eu-150
 Cross Section -100.0 To 9999. %



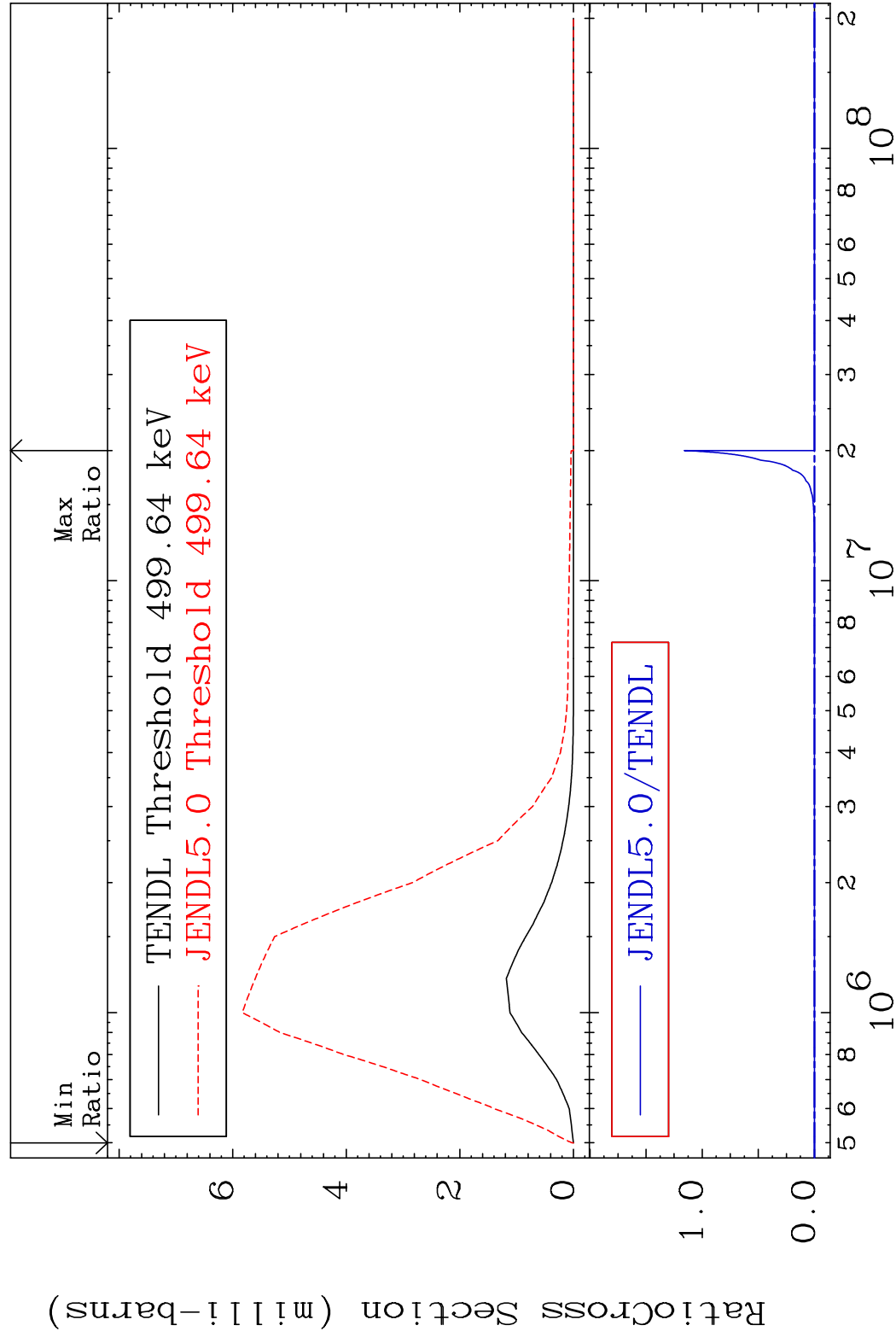
MAT 6322 MT= 70 (n,n') Level 63-Eu-150
 Cross Section -100.0 To 9999. %



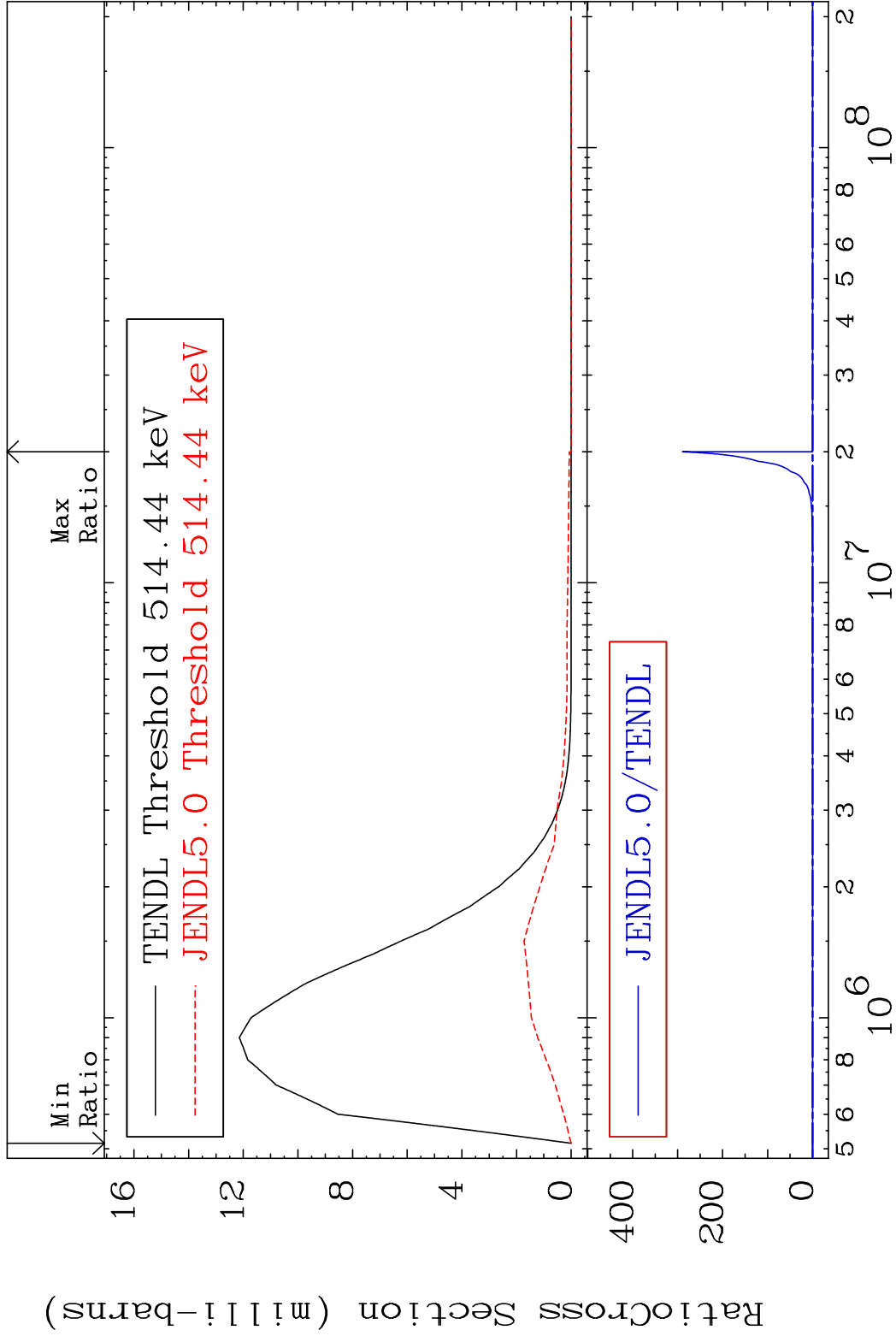
MAT 6322 MT= 71 (n,n') Level 63-Eu-150
Cross Section -100.0 To 25.00 %



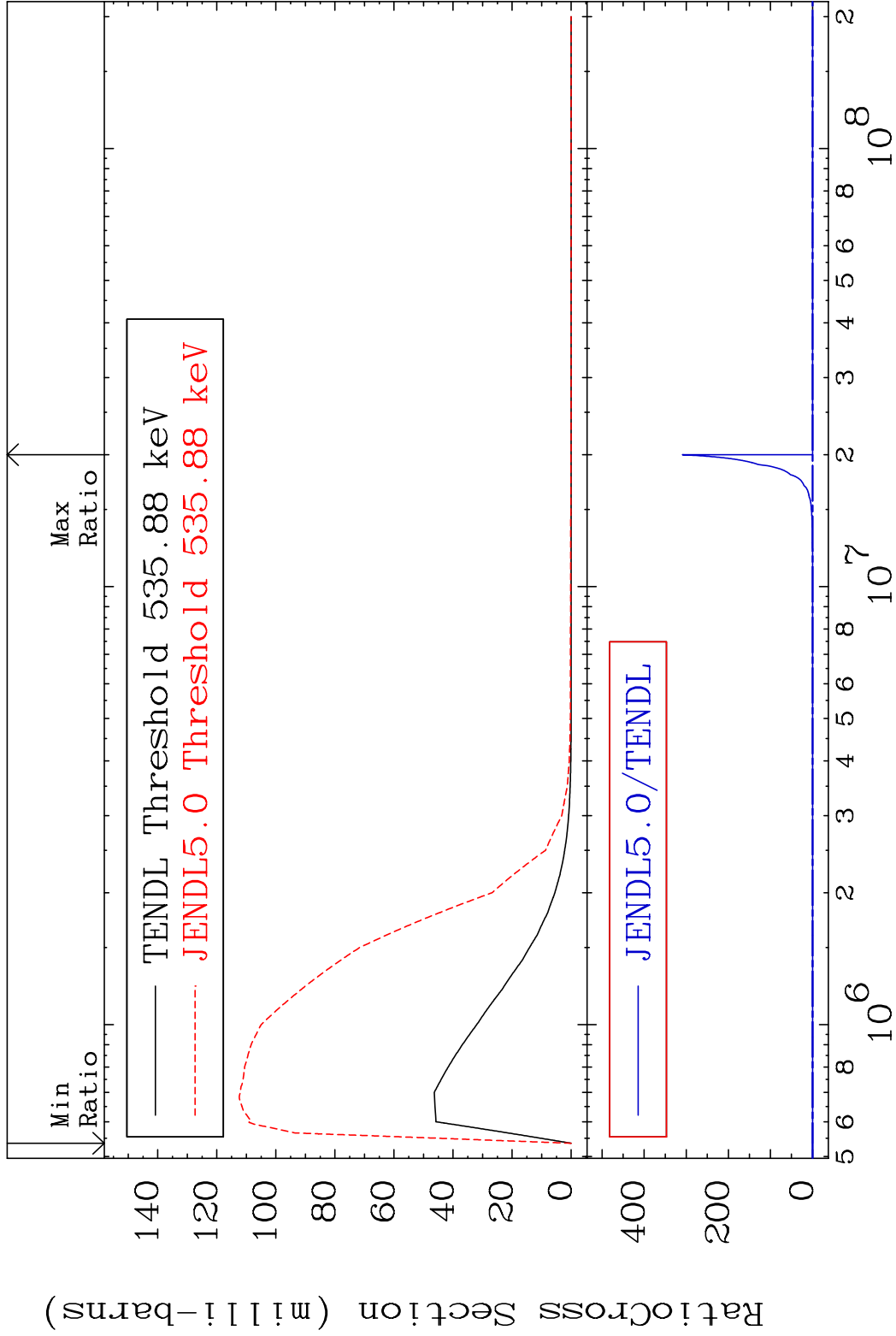
MAT 6322 MT= 72 (n,n') Level 63-Eu-150
Cross Section -100.0 To 9999. %



MAT 6322 MT= 73 (n,n') Level 63-Eu-150
Cross Section -100.0 To 9999. %

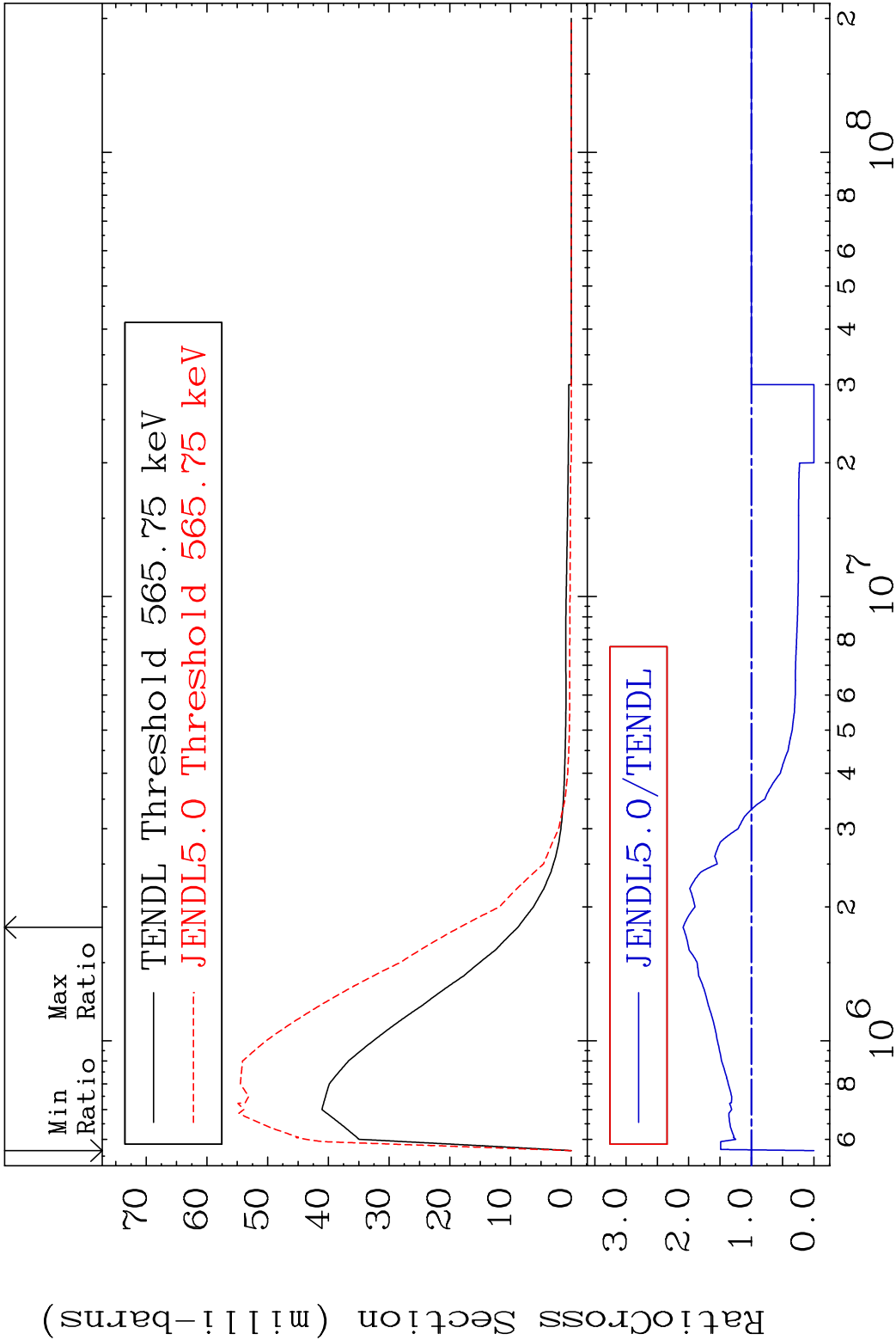


MAT 6322 MT= 74 (n,n') Level 63-Eu-150
Cross Section -100.0 To 9999. %

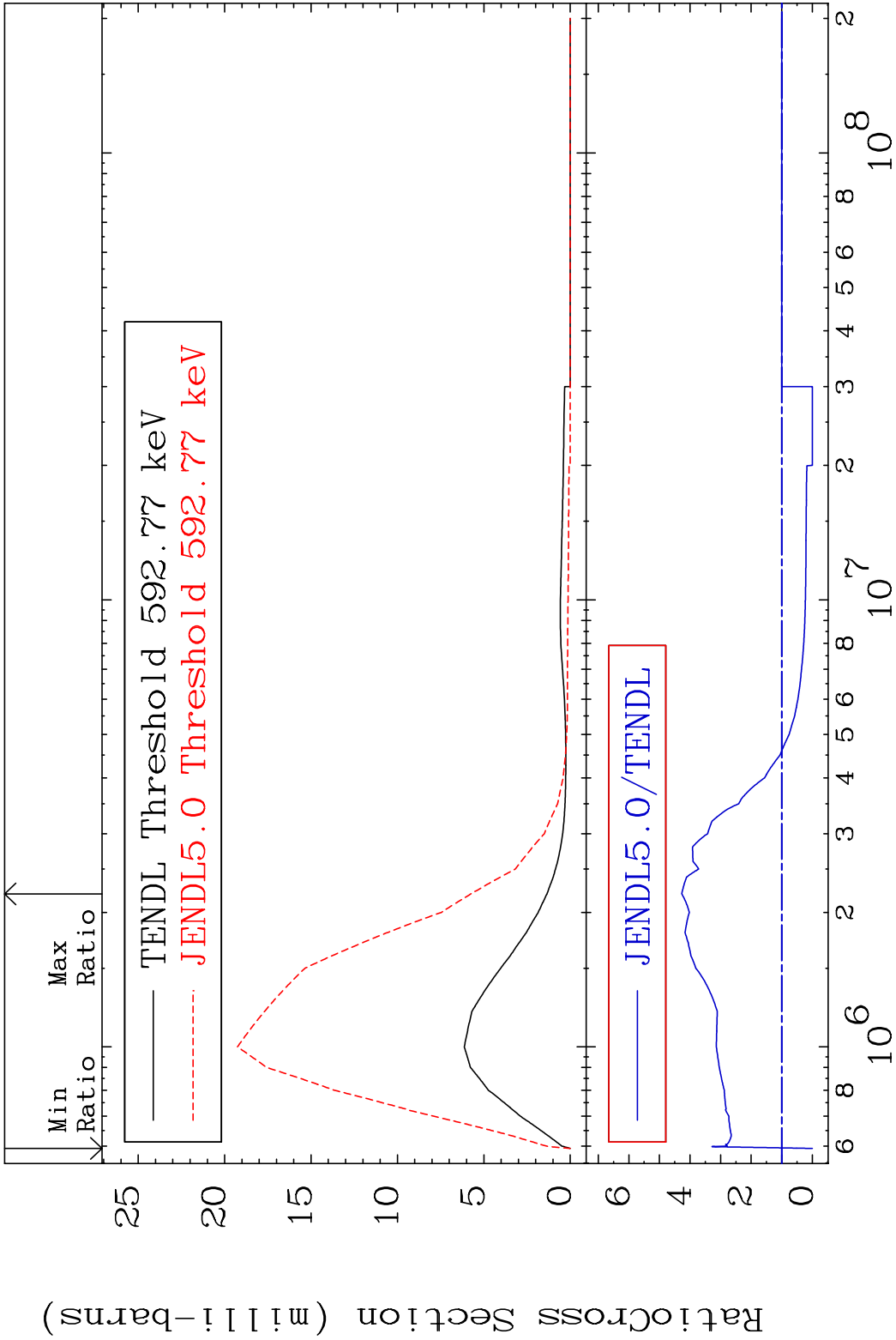


36 Incident Energy (eV) 63-Eu-150

MAT 6322 MT= 75 (n,n') Level 63-Eu-150
 Cross Section -100.0 To 109.0 %



MAT 6322 MT= 76 (n,n') Level 63-Eu-150
 Cross Section -100.0 To 327.1 %



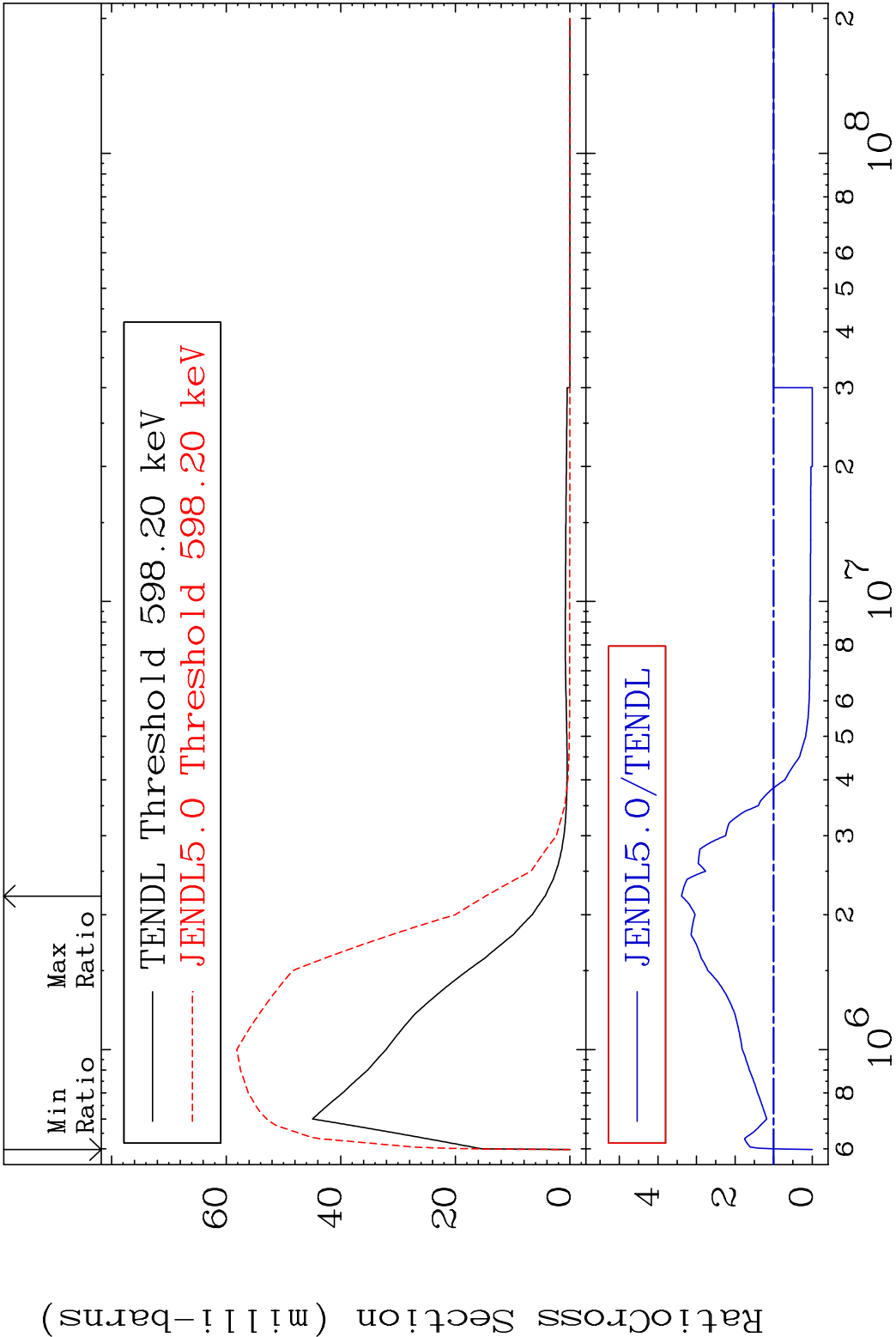
MAT 6322

MT= 77 (n,n') Level

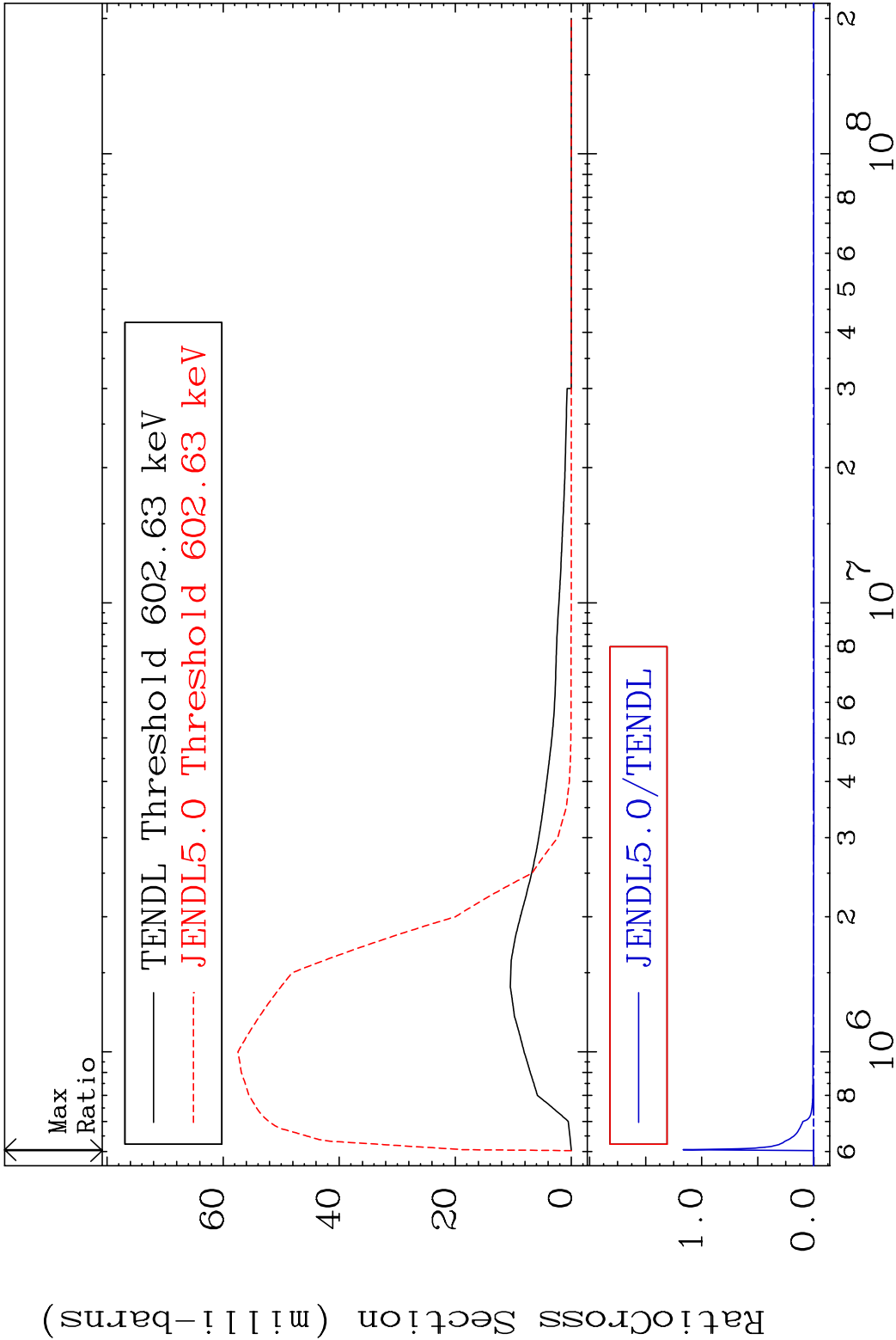
63-Eu-150

Cross Section

-100.0 To 238.7 %



MAT 6322 MT= 78 (n,n') Level 63-Eu-150
Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 63-Eu-150

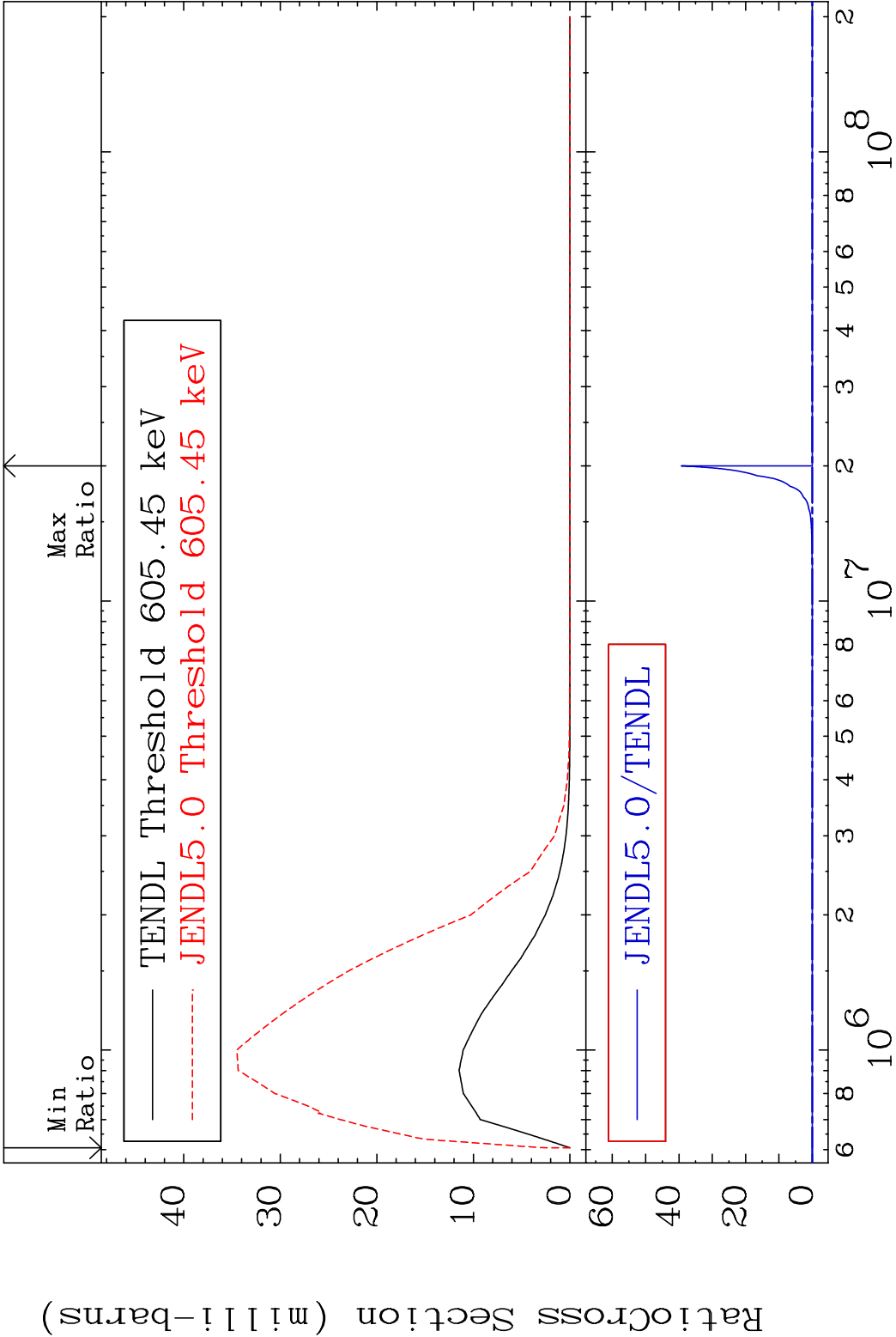
MAT 6322

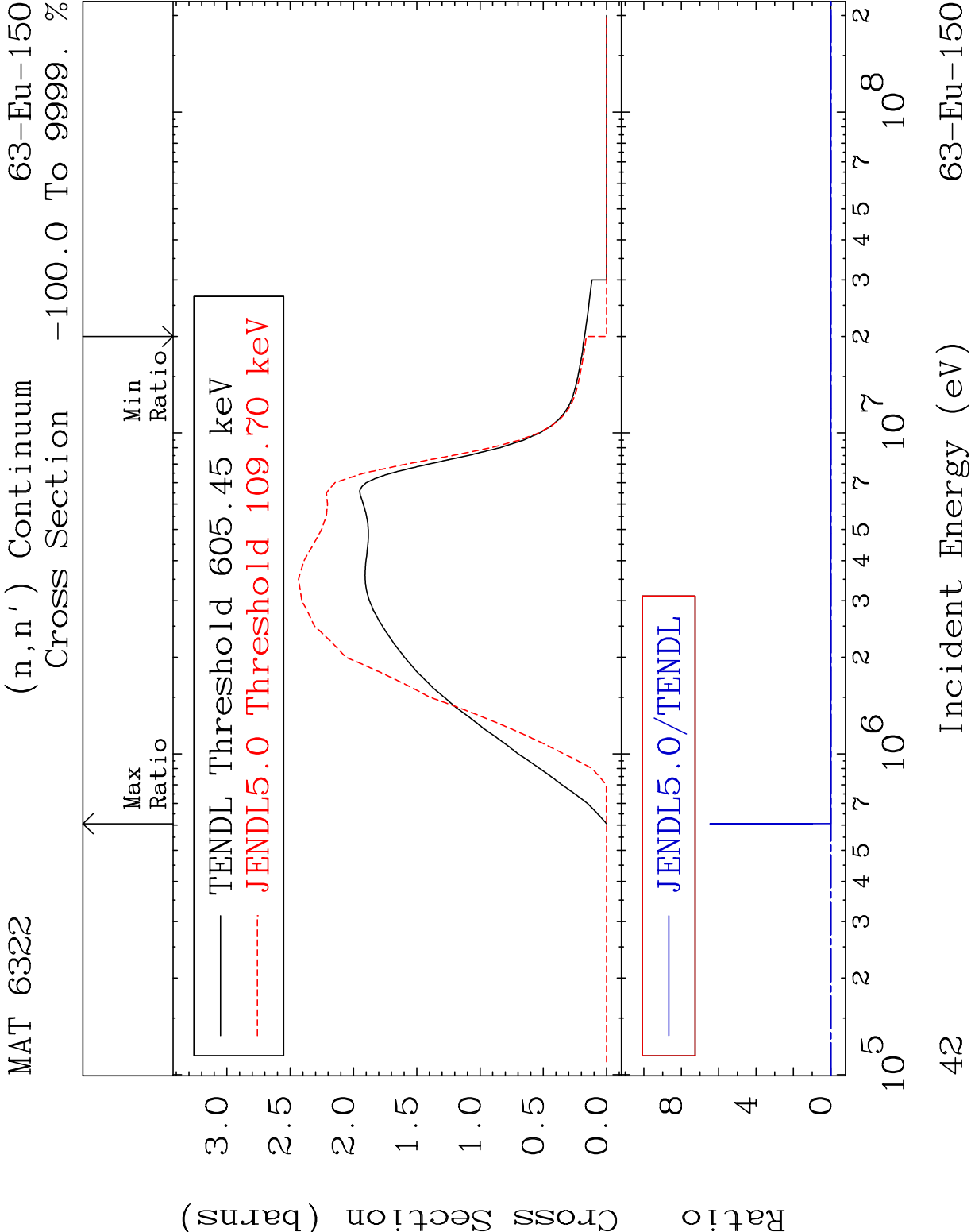
MT= 79 (n,n') Level

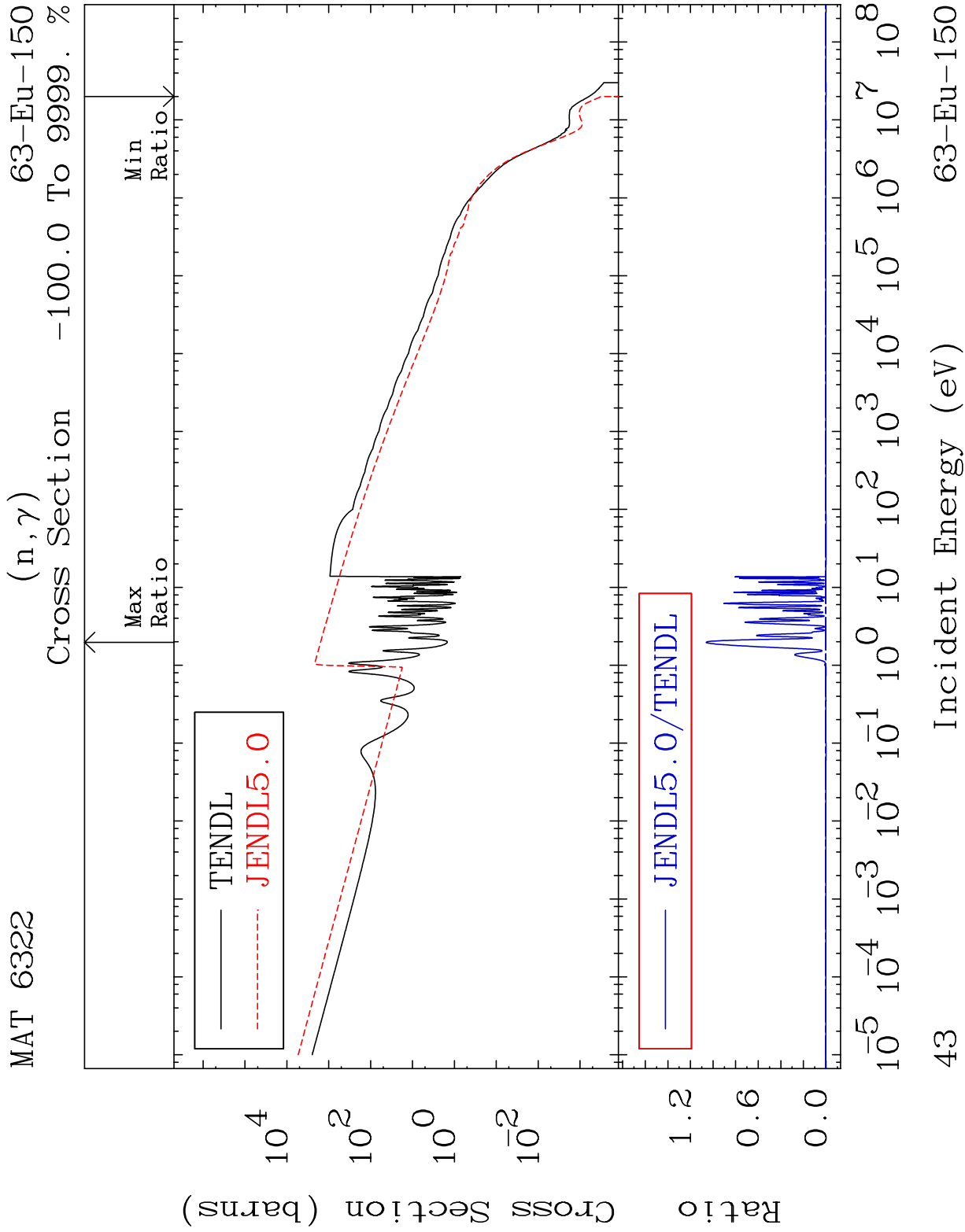
63-Eu-150

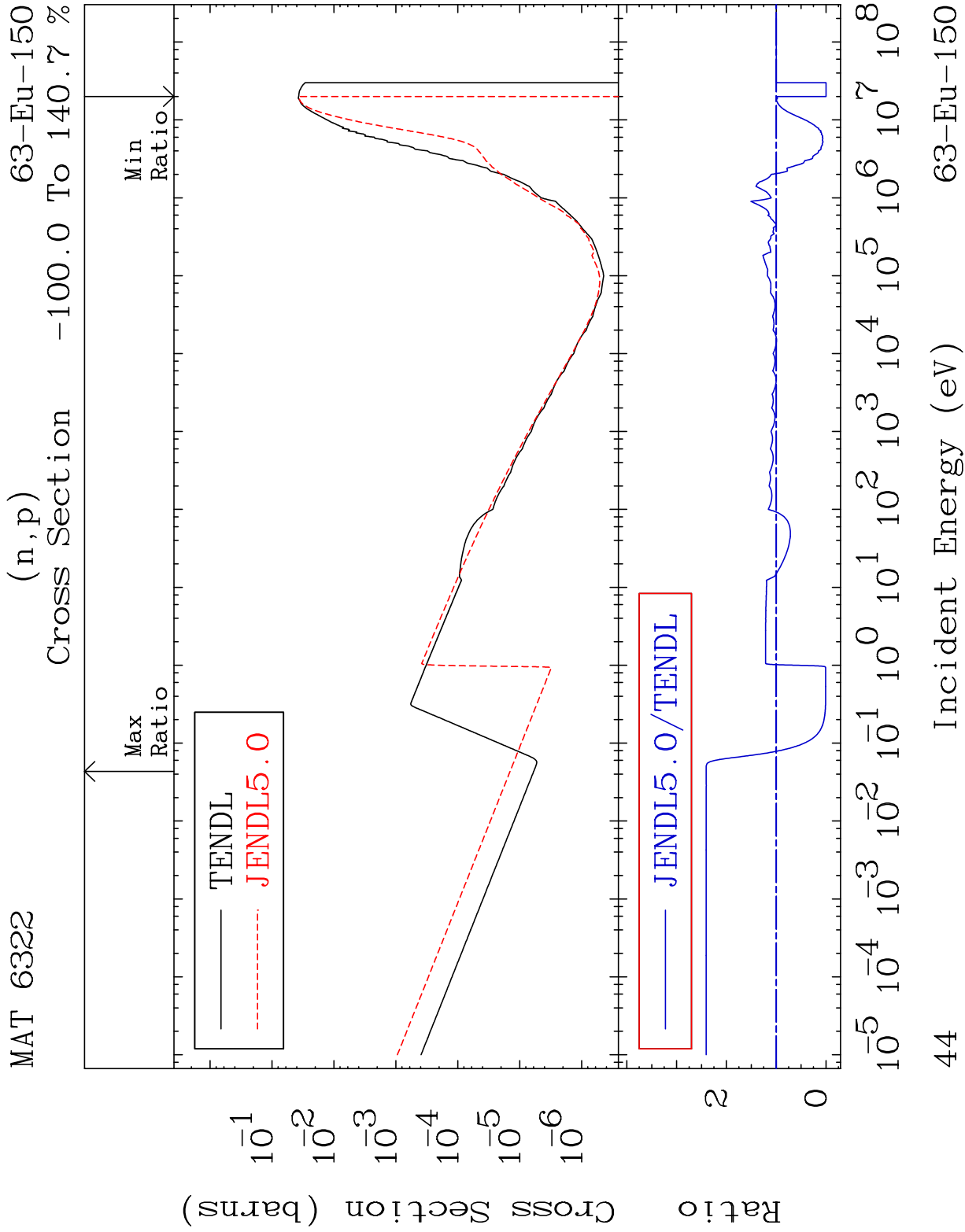
Cross Section

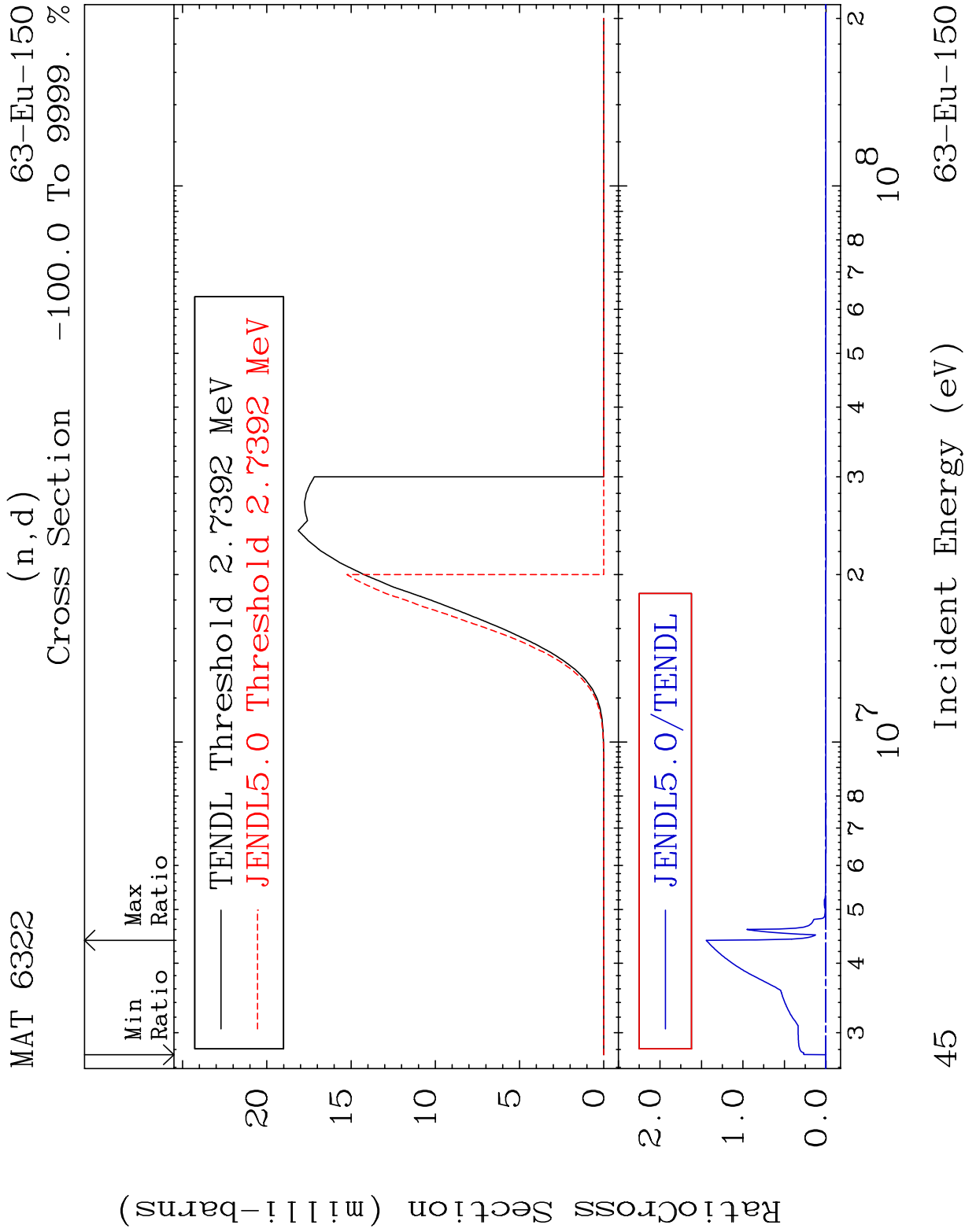
-100.0 To 9999. %

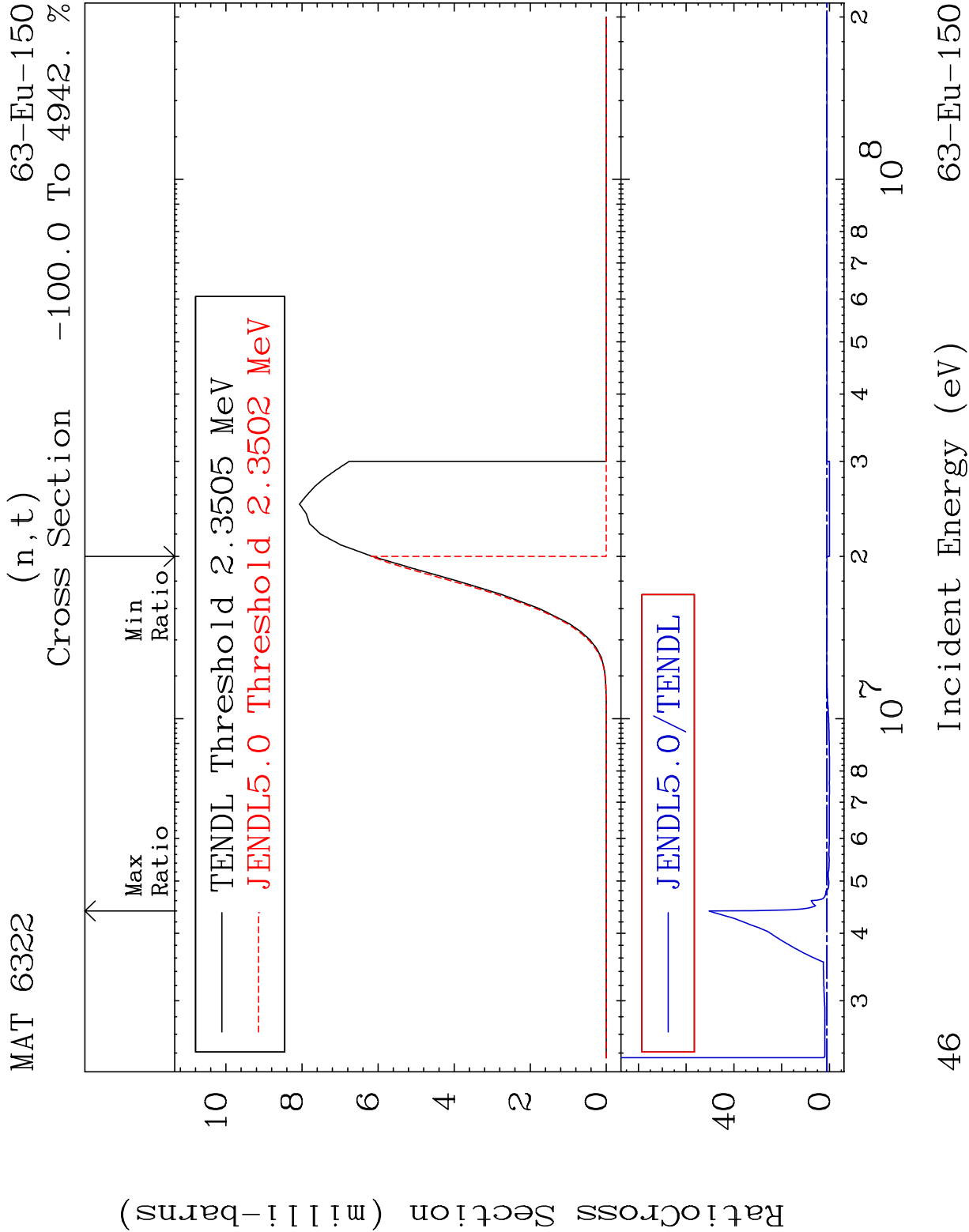


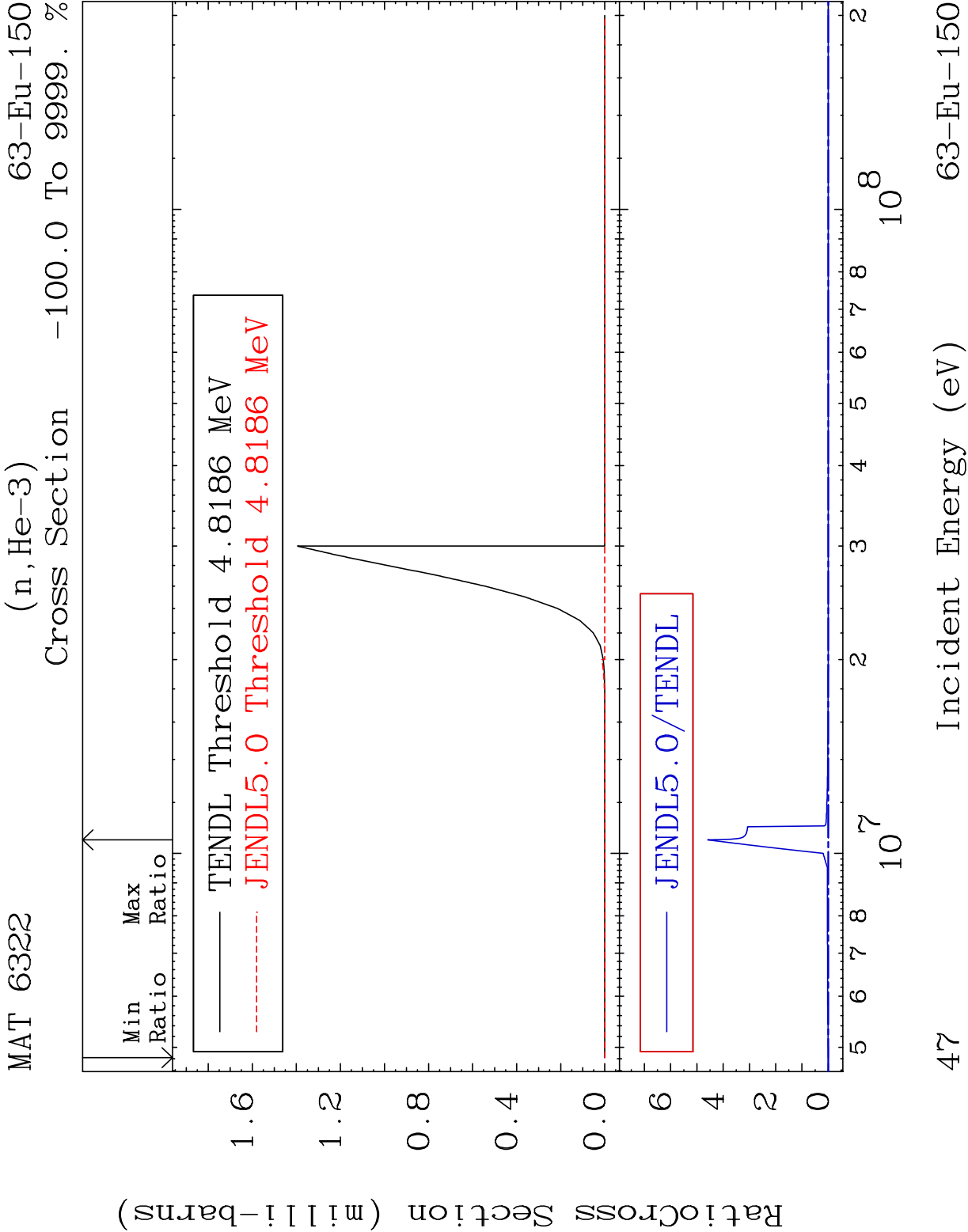












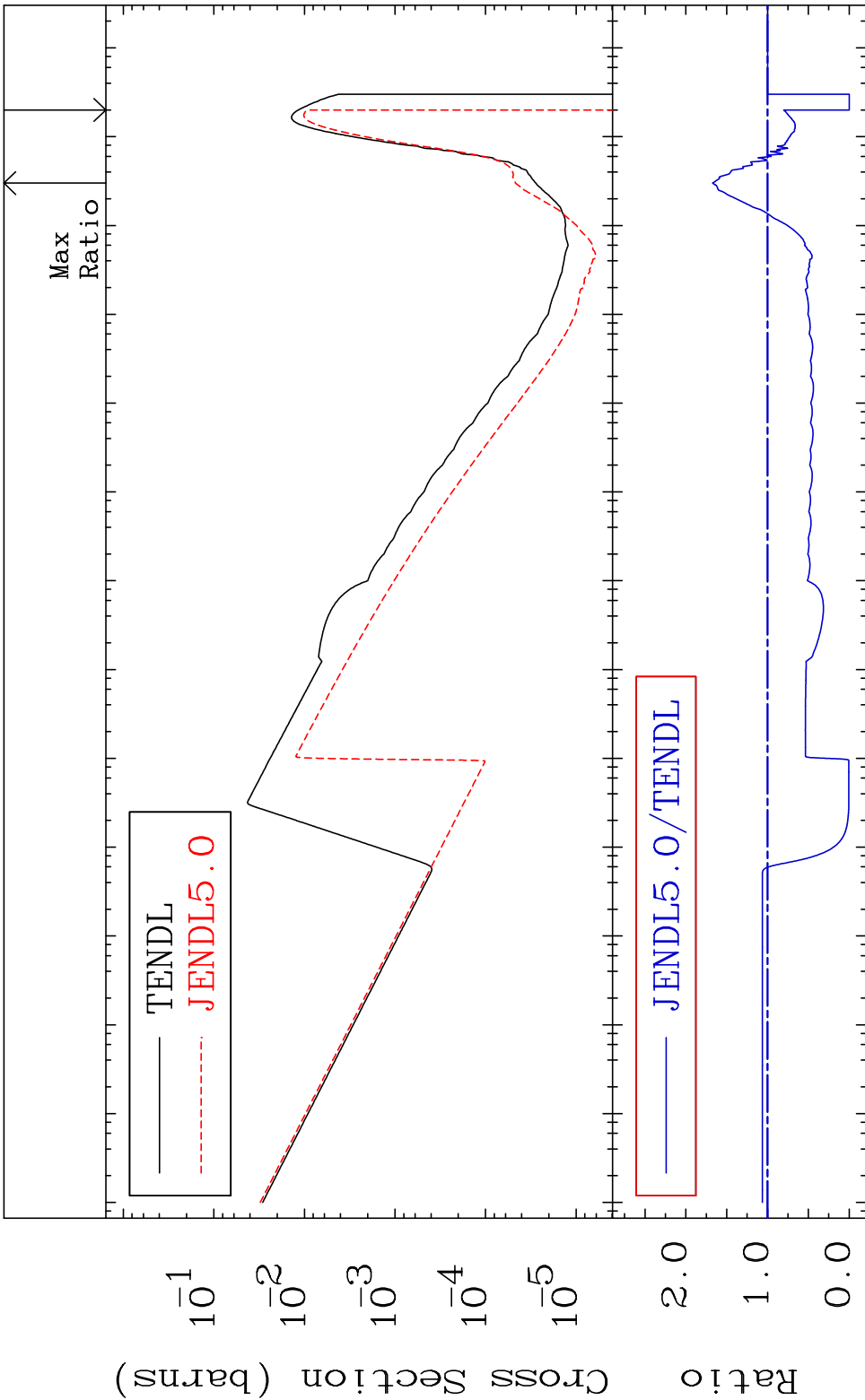
RatioCross Section (milli-barns)

MAT 6322

(n, α)

63-Eu-150

Cross Section -100.0 To 67.30 %

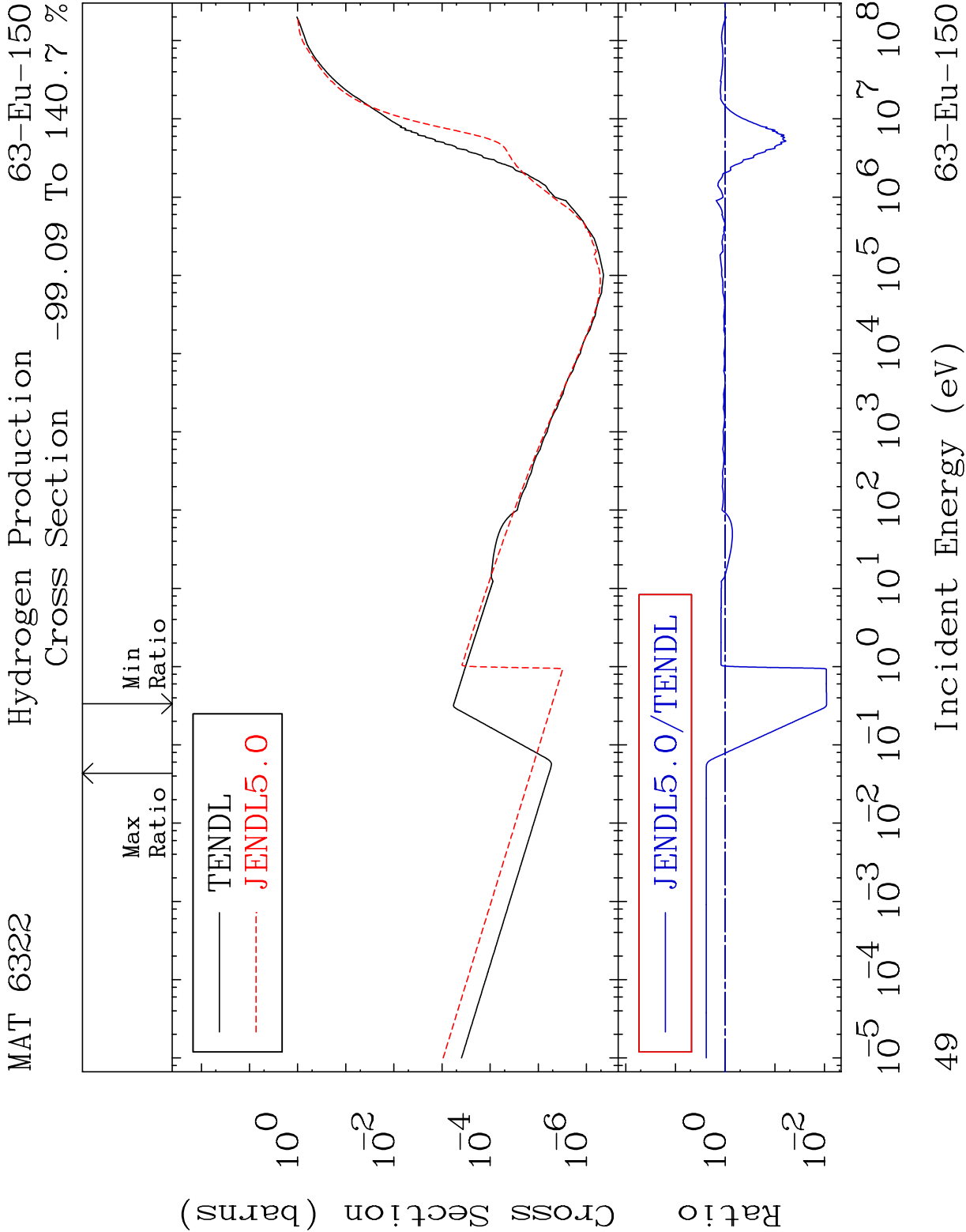


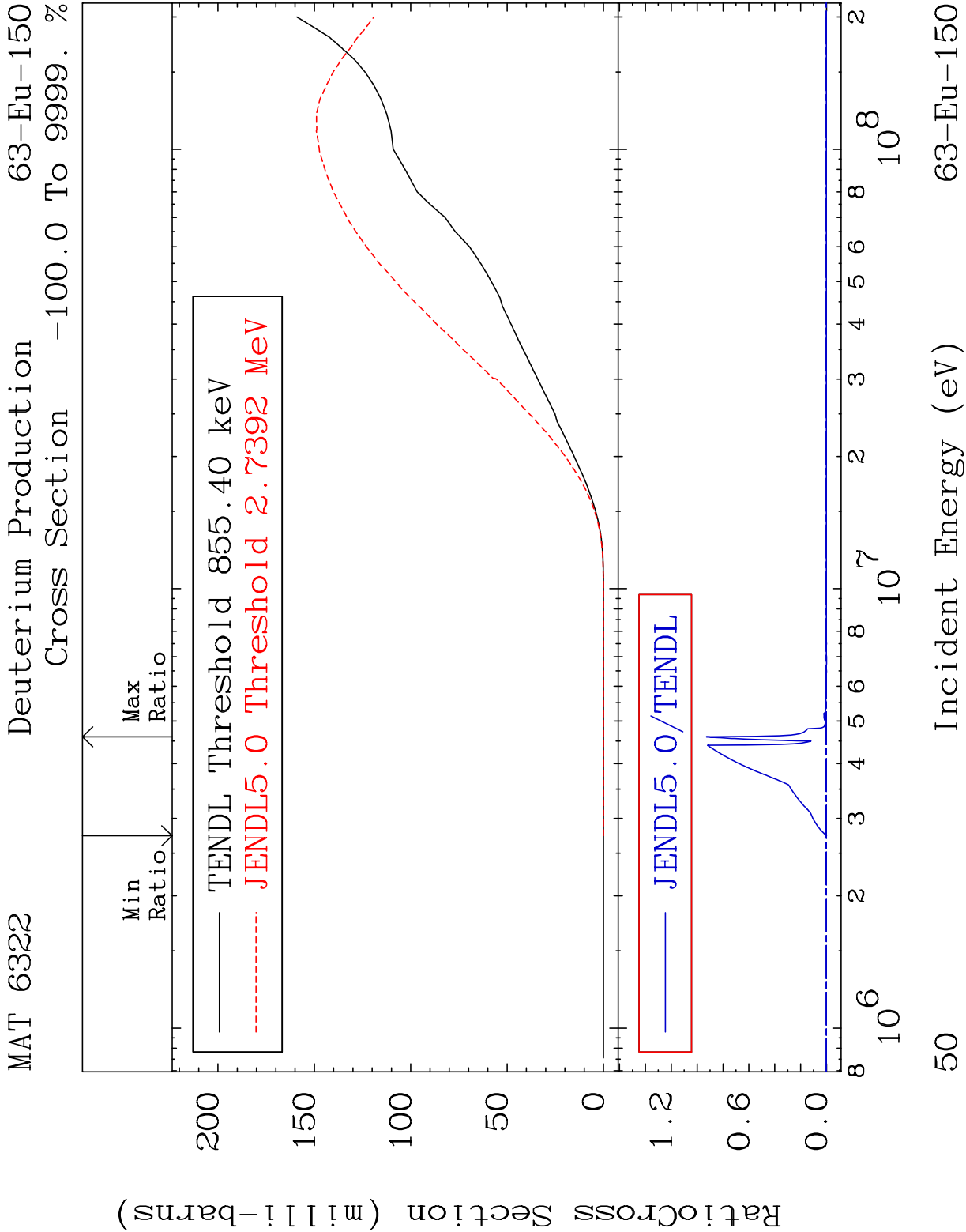
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

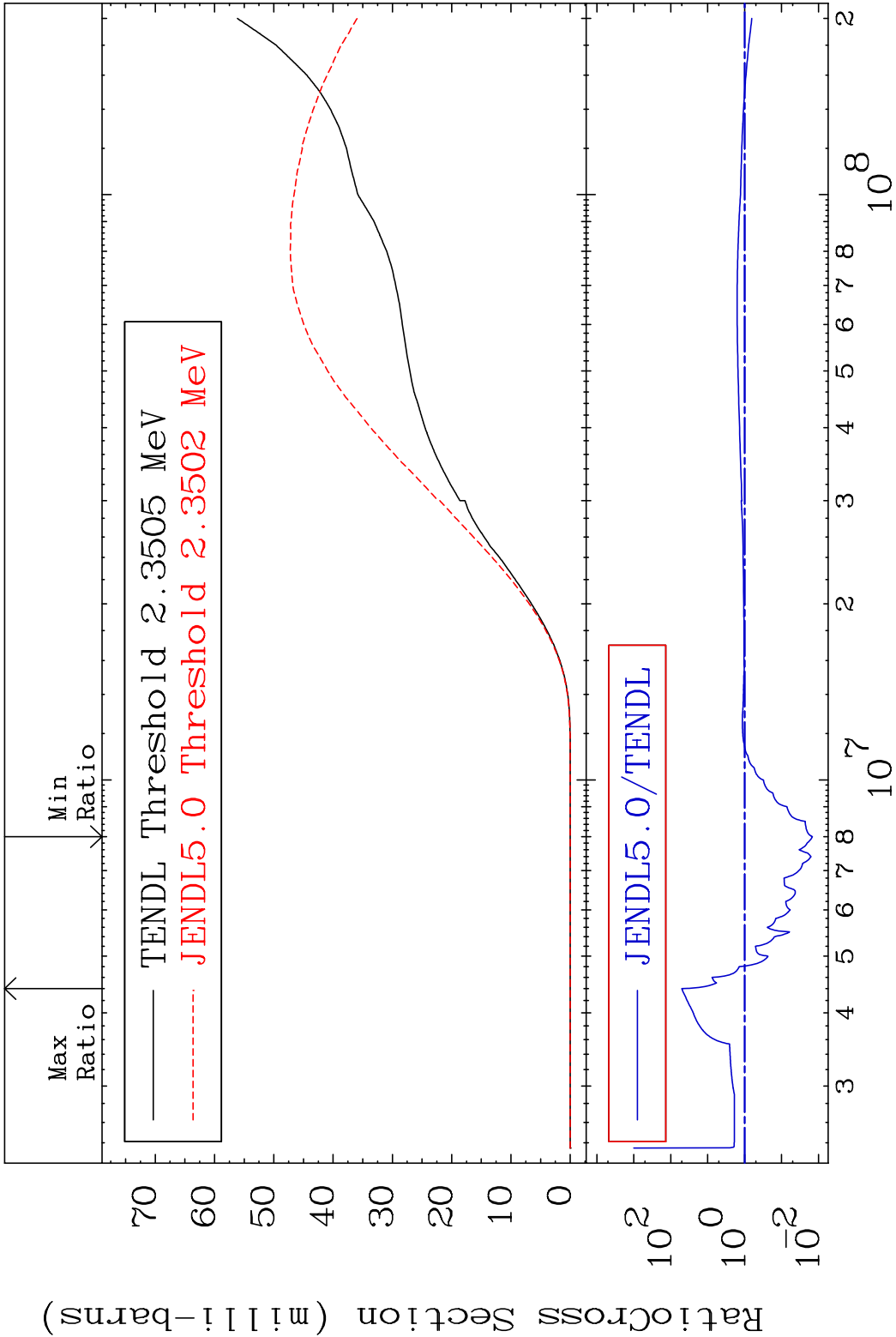
48

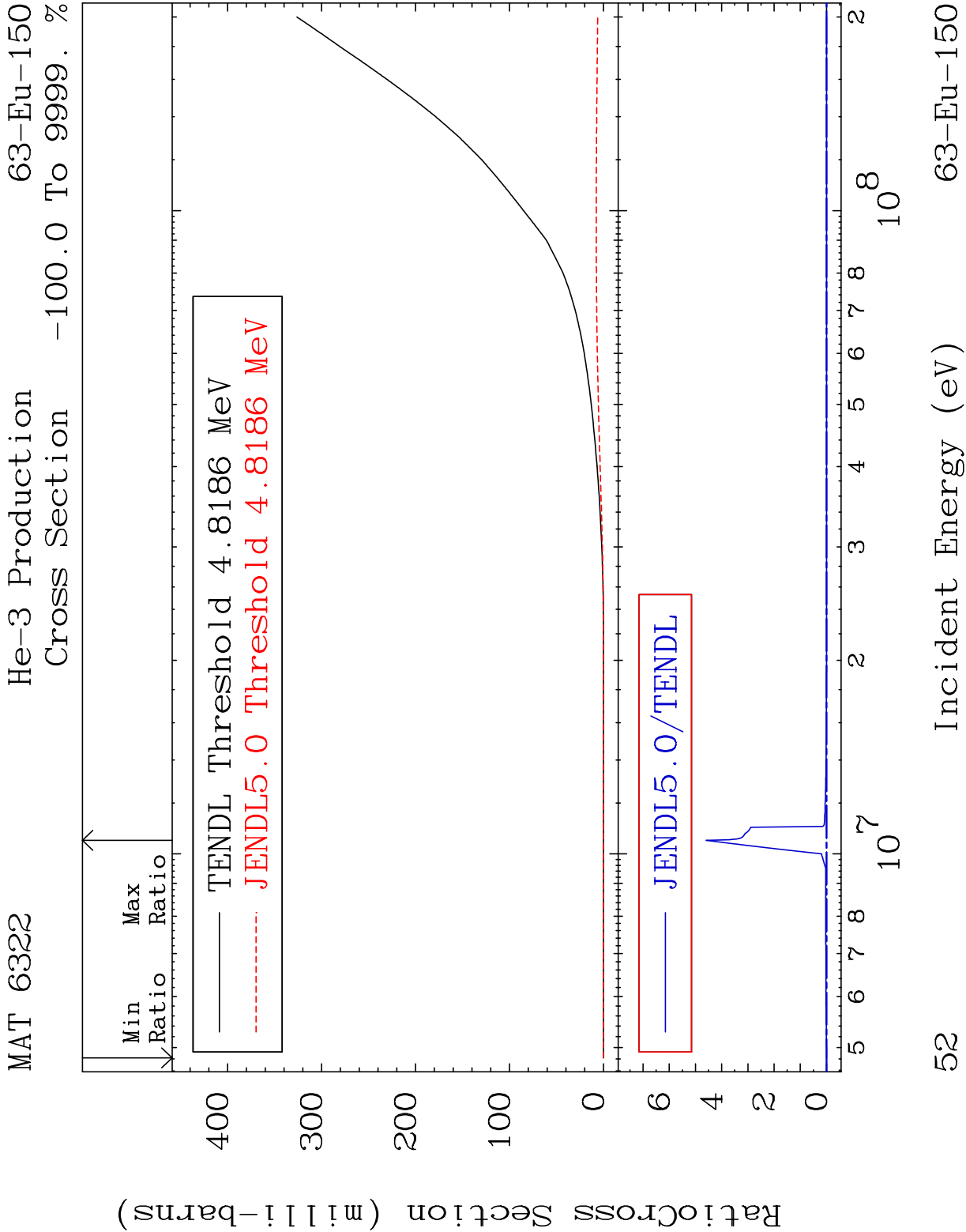
Incident Energy (eV)

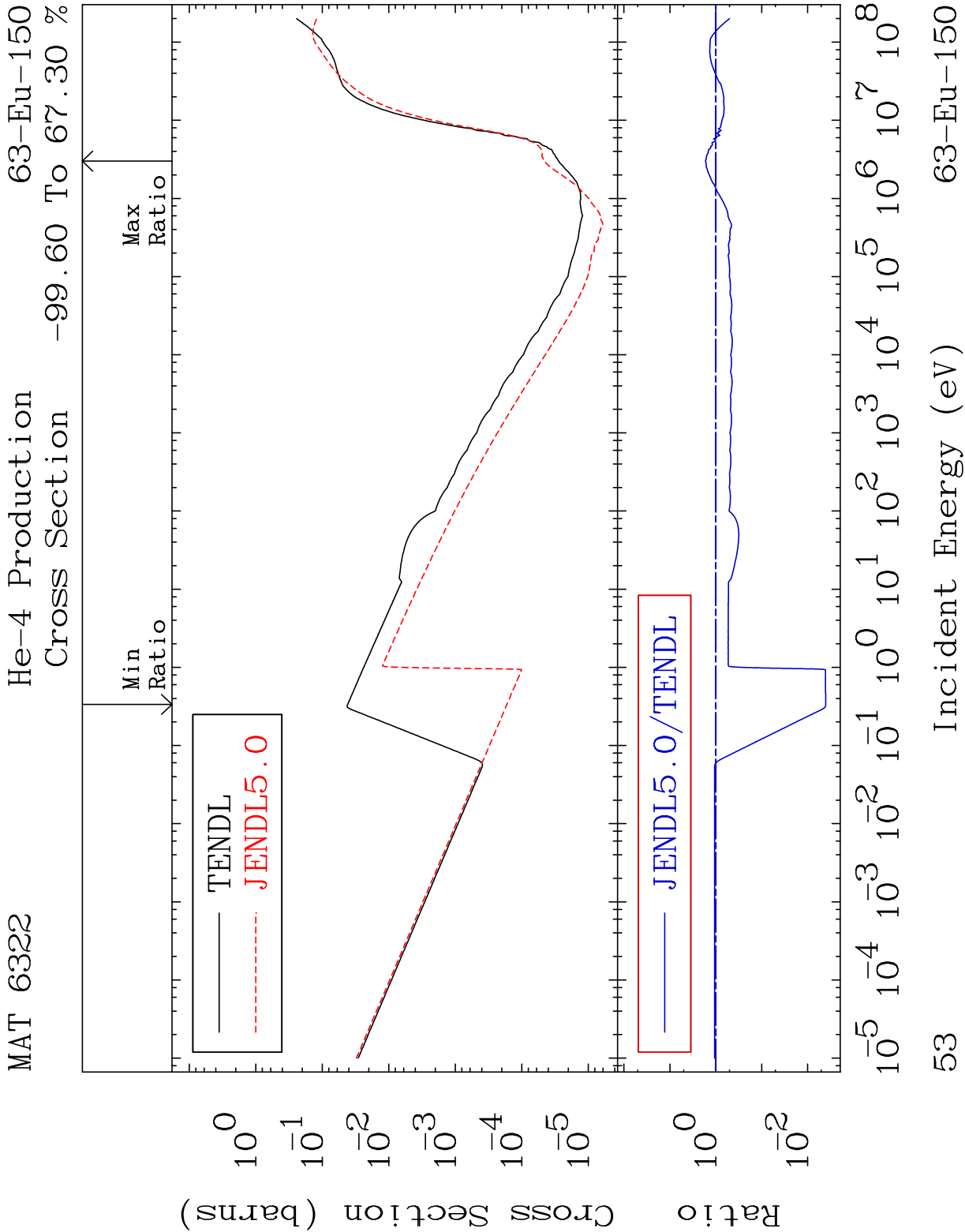
63-Eu-150

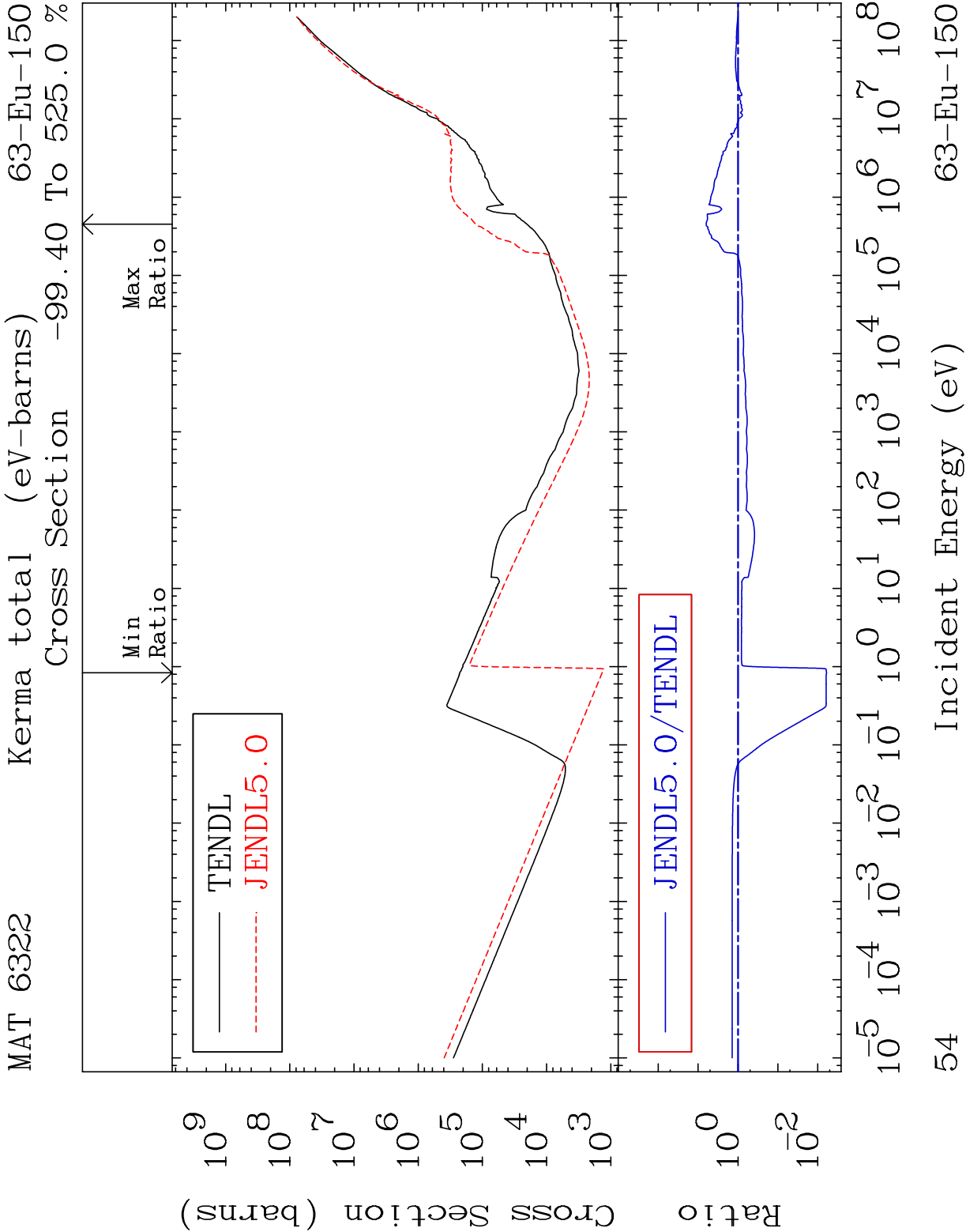


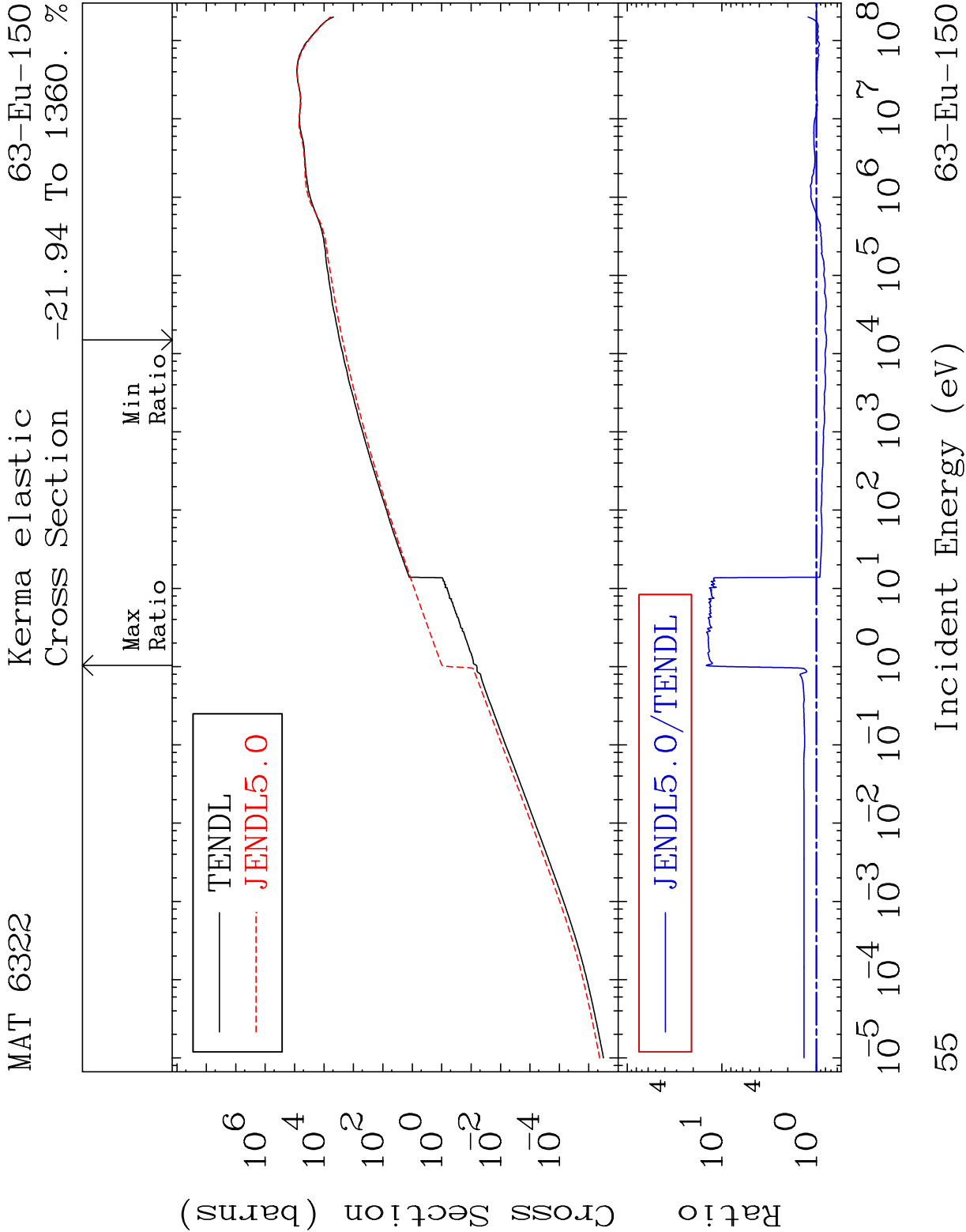




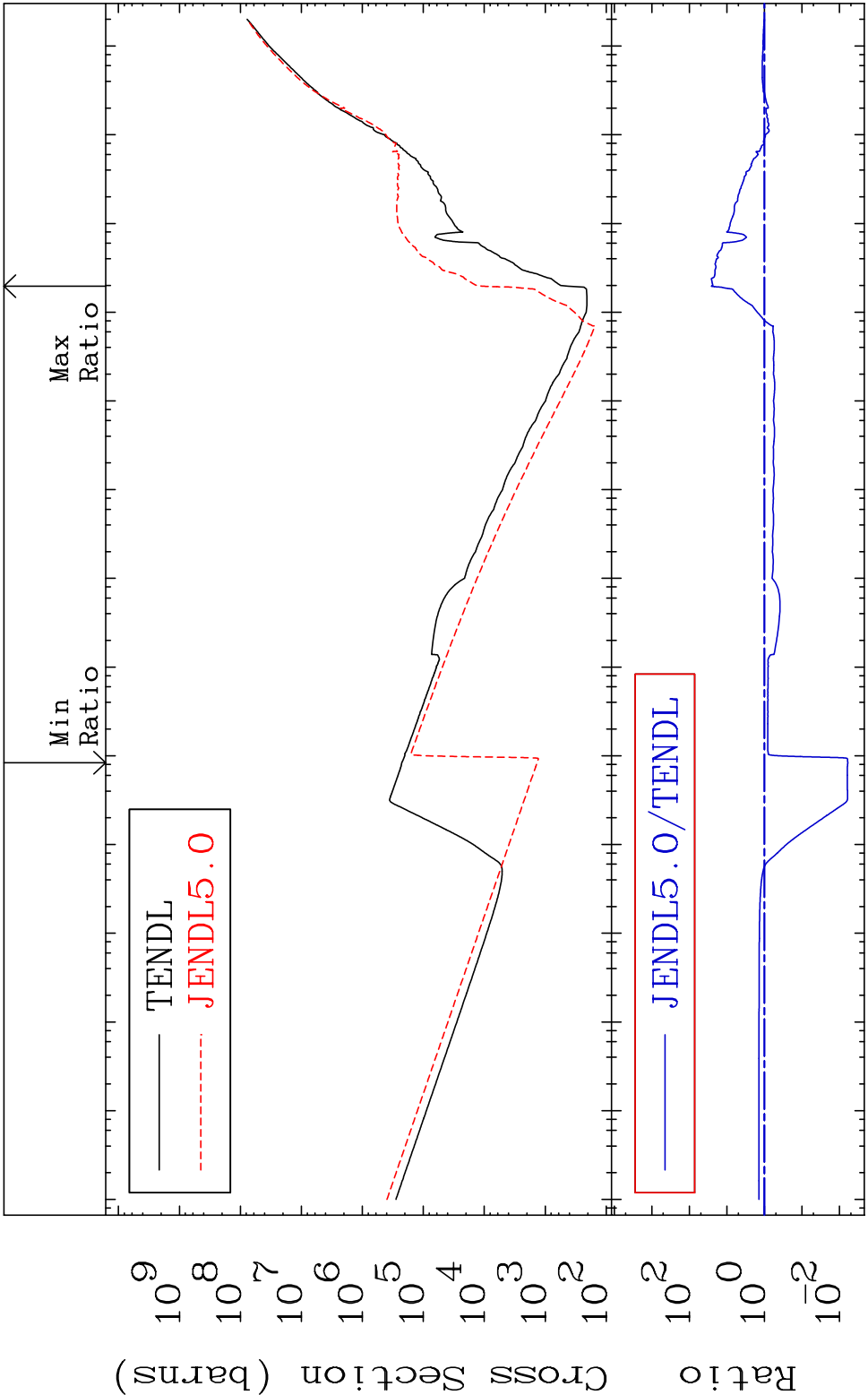


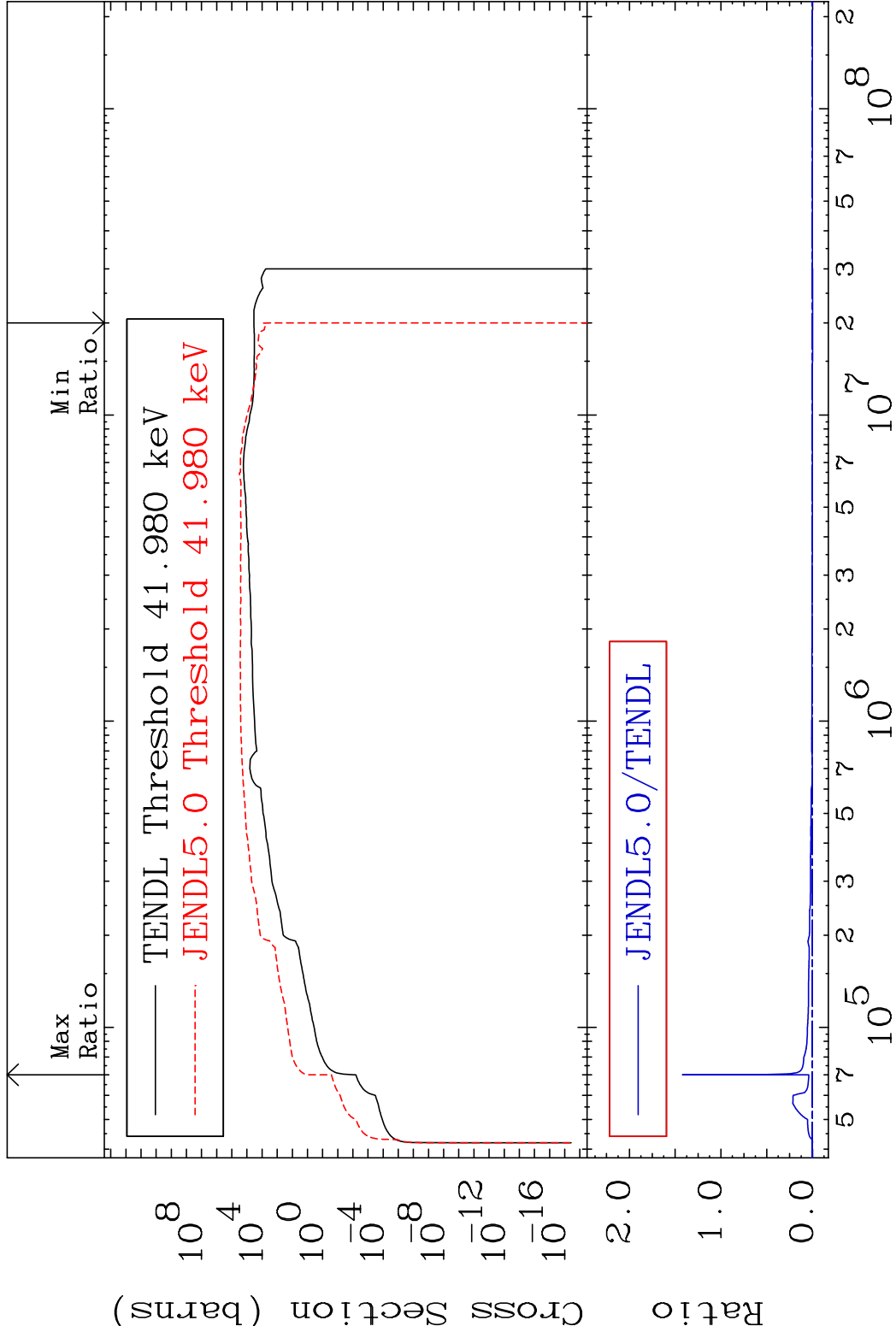




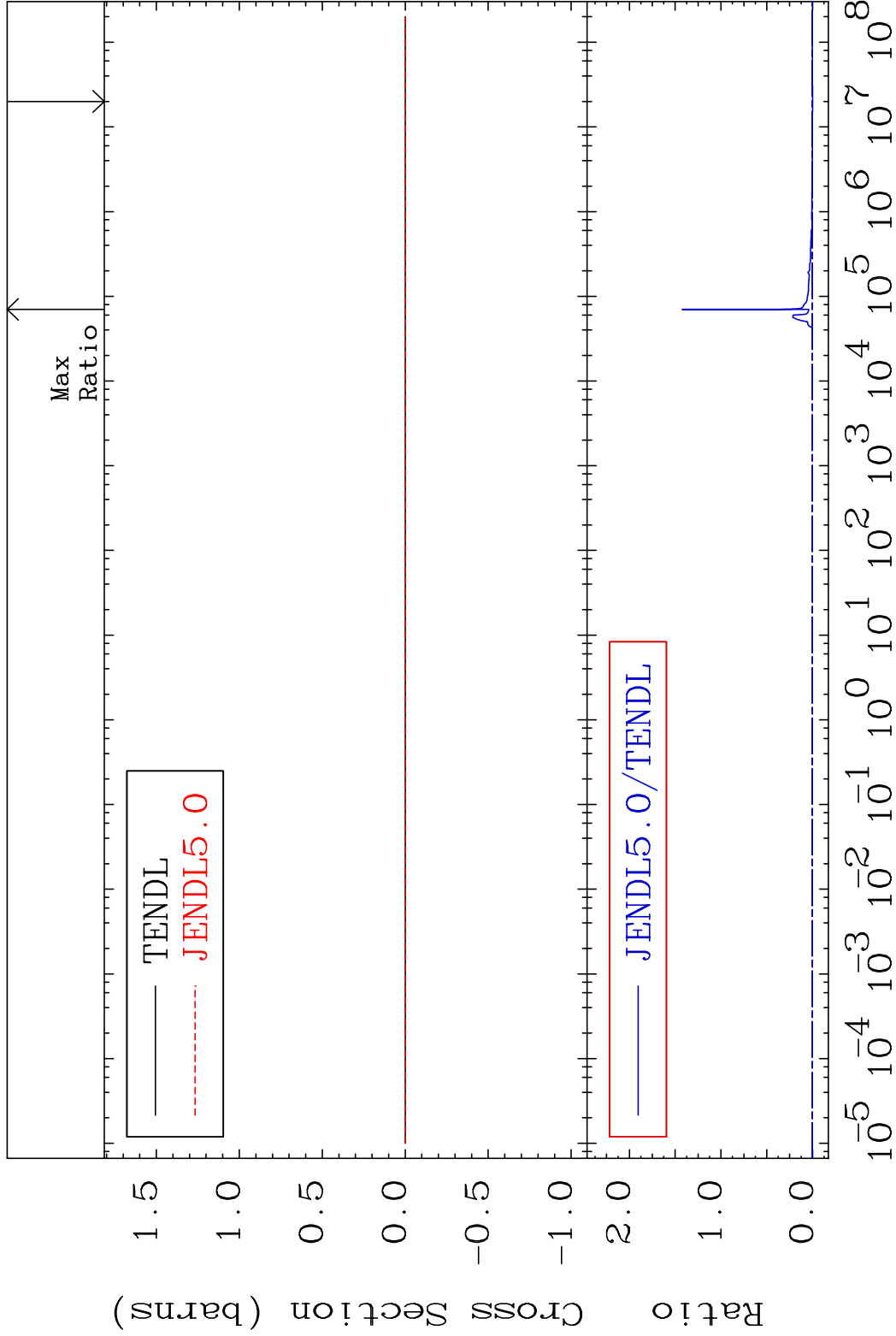


MAT 6322 Kerma non-elastic (all but mt2) 63-Eu-150
 Cross Section -99.40 To 2510. %



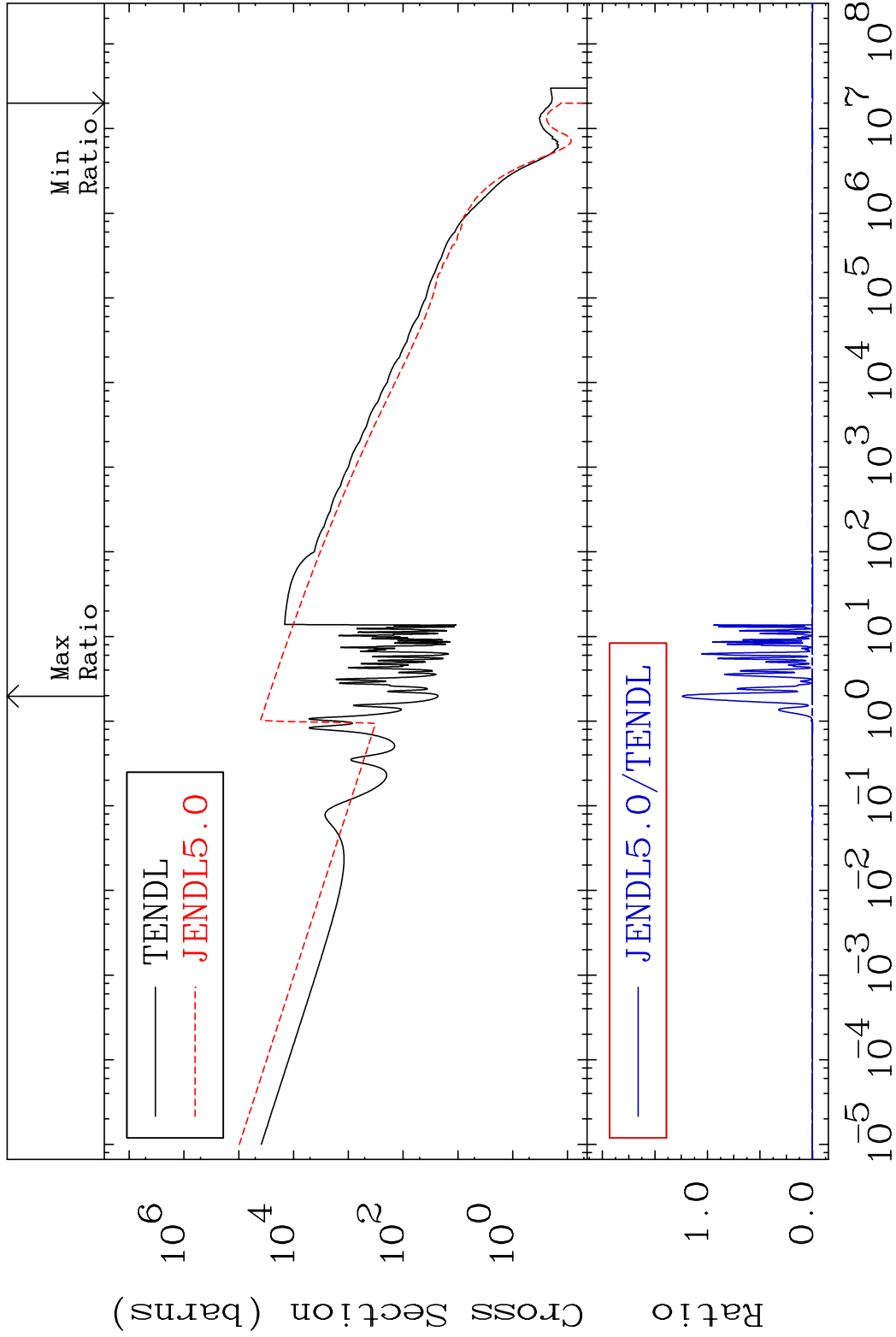


MAT 6322 Kerma fission (mt18 or mt19-20-21-38) 63-Eu-150
Cross Section -100.0 To 9999. %

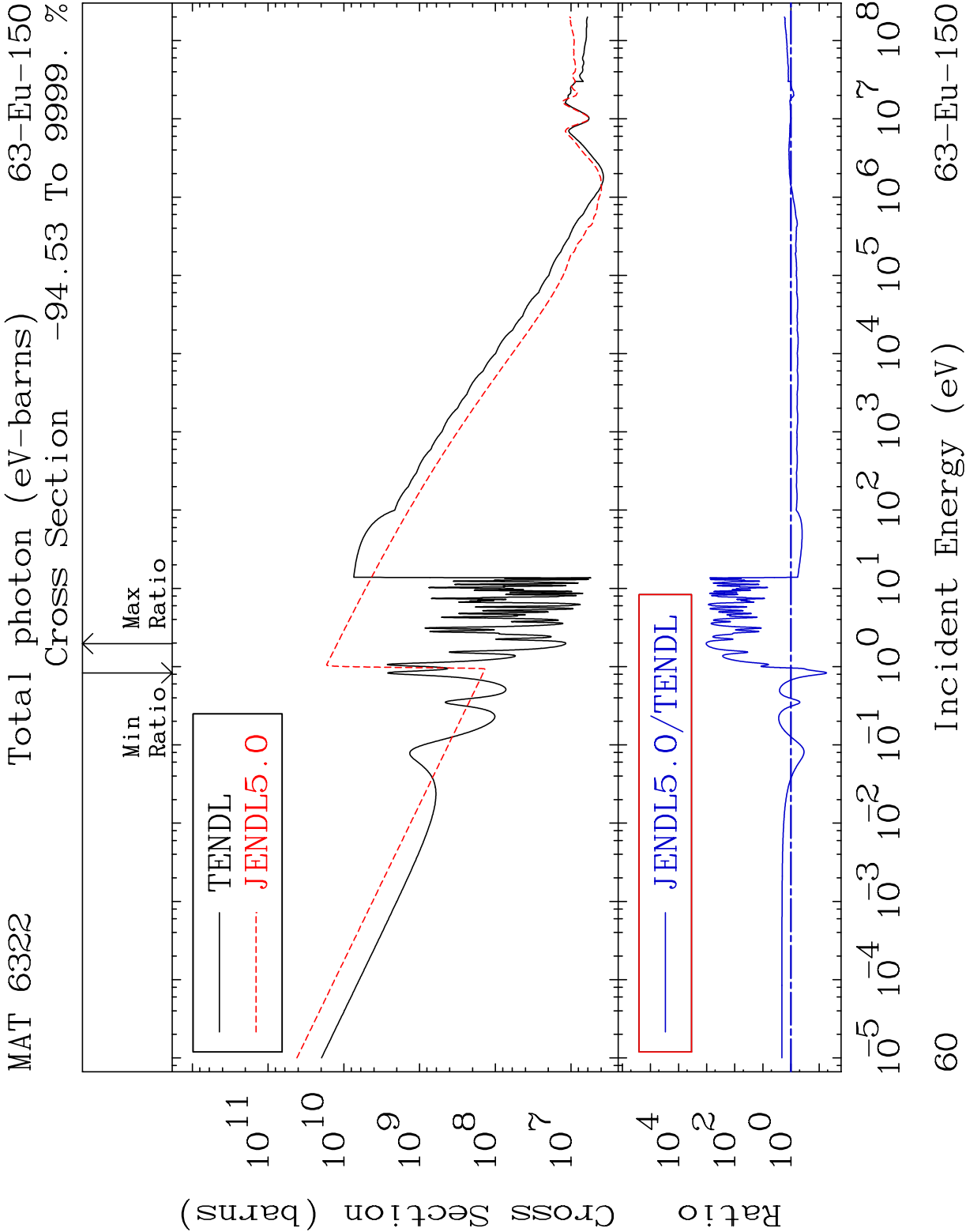


58 Incident Energy (eV) 63-Eu-150

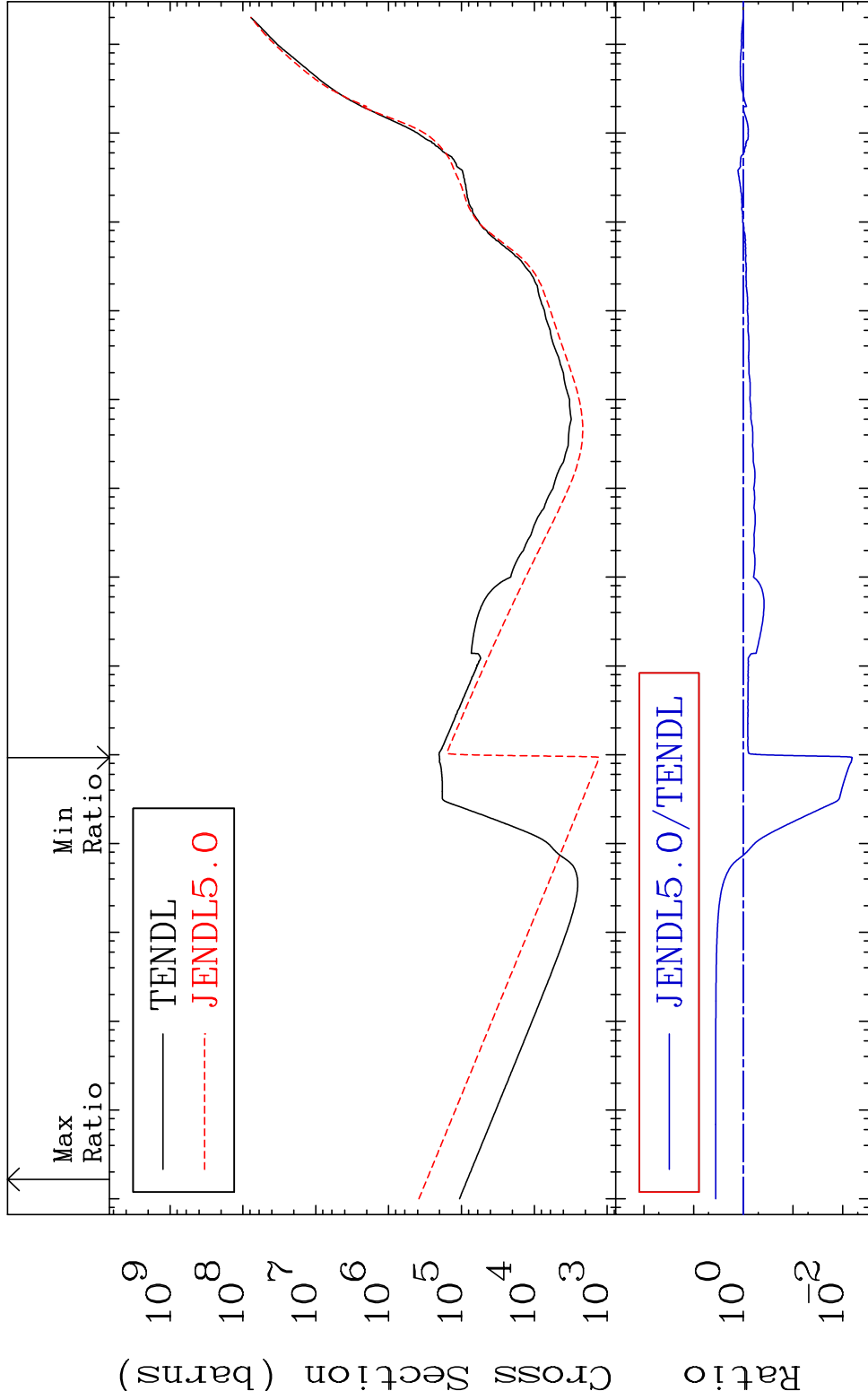
MAT 6322 Kerma capture (mt102) 63-Eu-150
Cross Section -100.0 To 9999. %



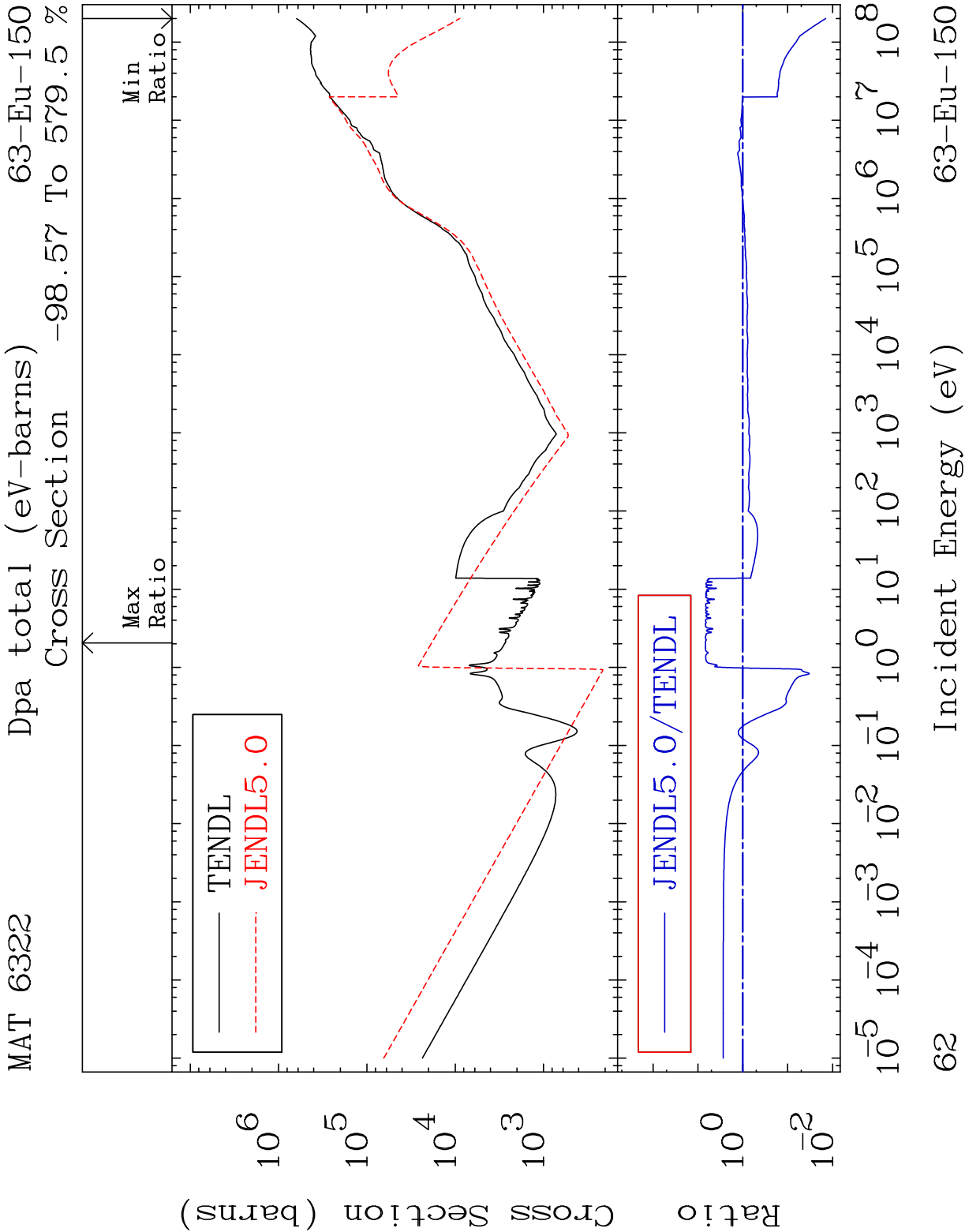
59 Incident Energy (eV) 63-Eu-150

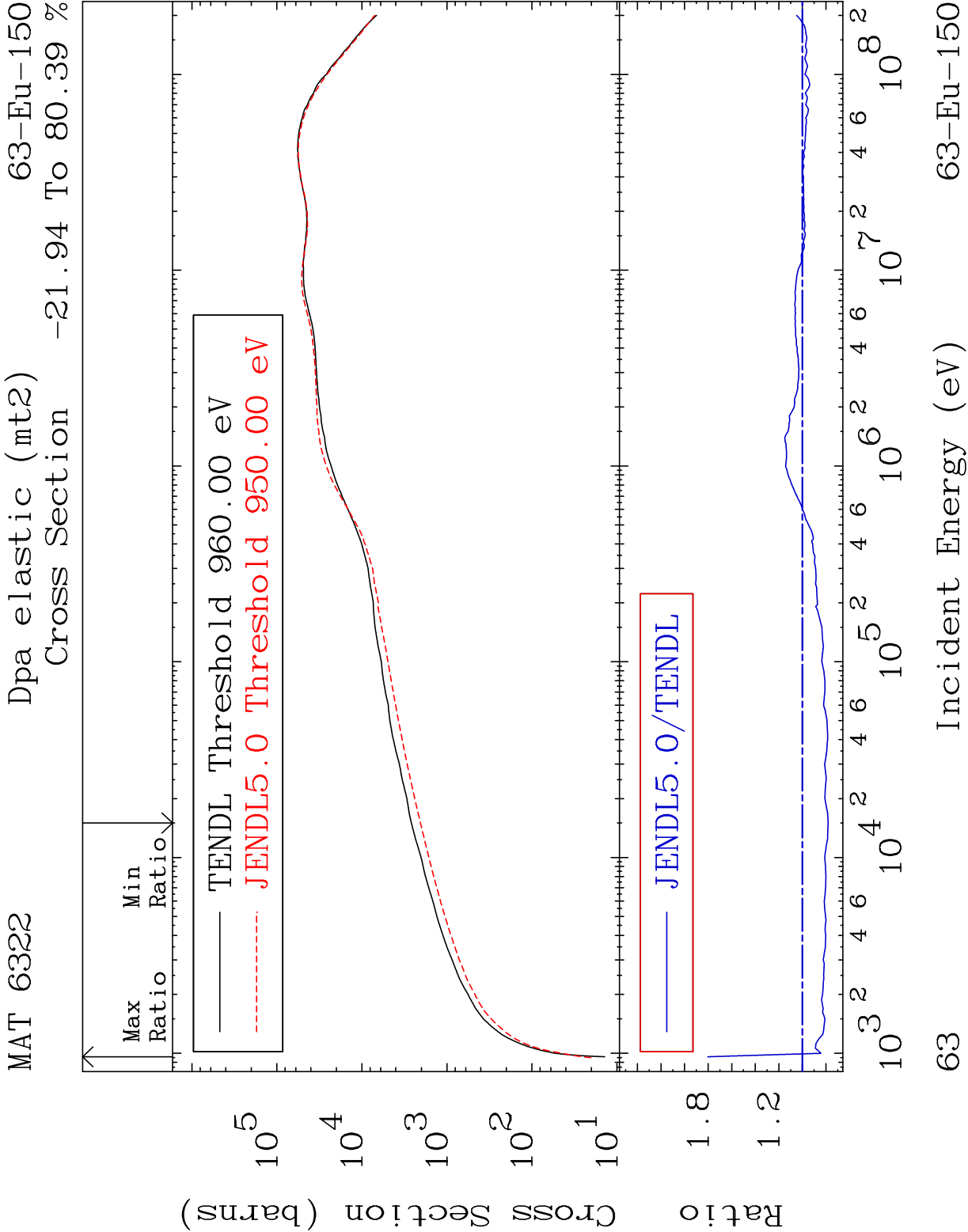


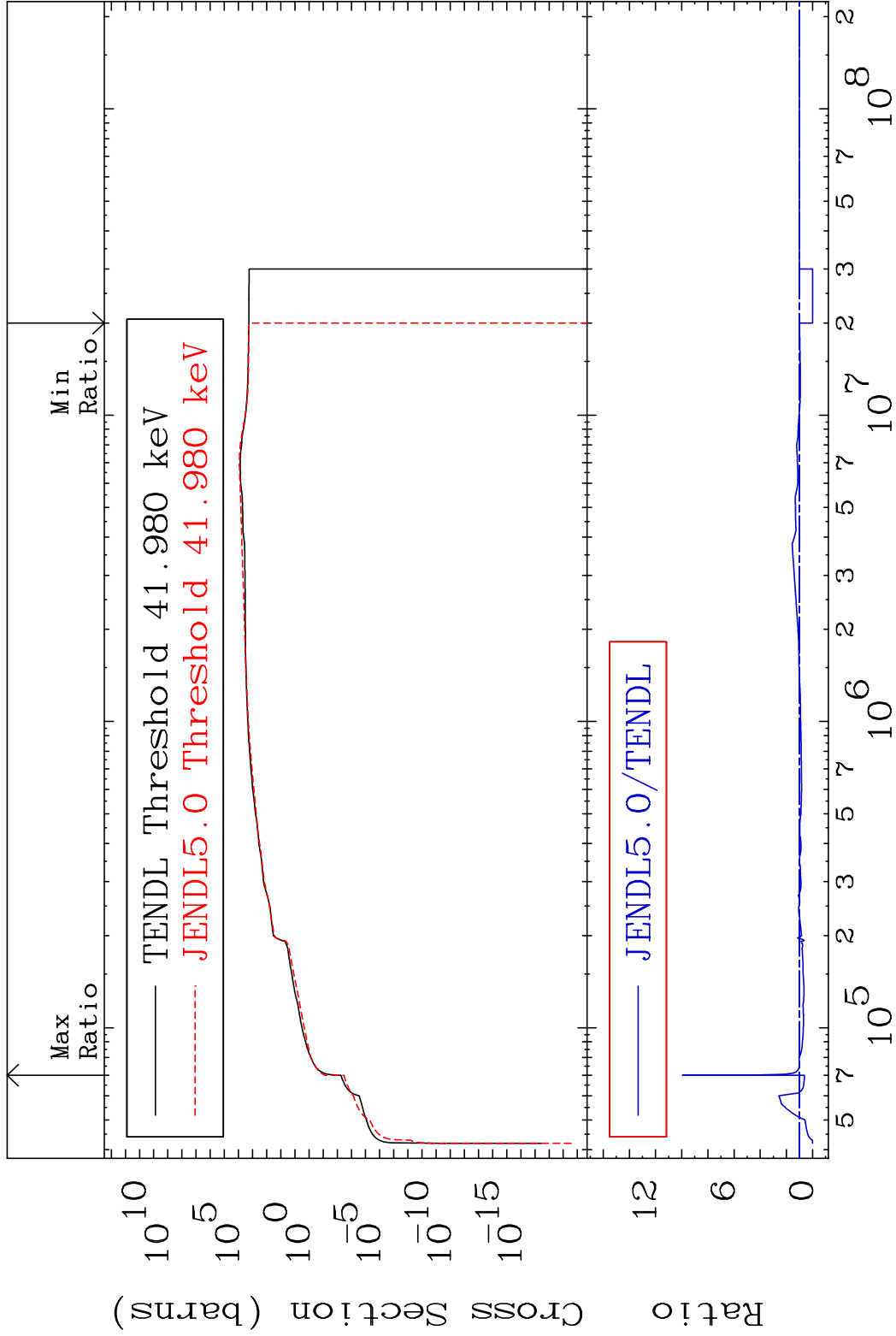
MAT 6322 Total kinematic kerma (high limit) 63-Eu-150
Cross Section -99.35 To 259.7 %



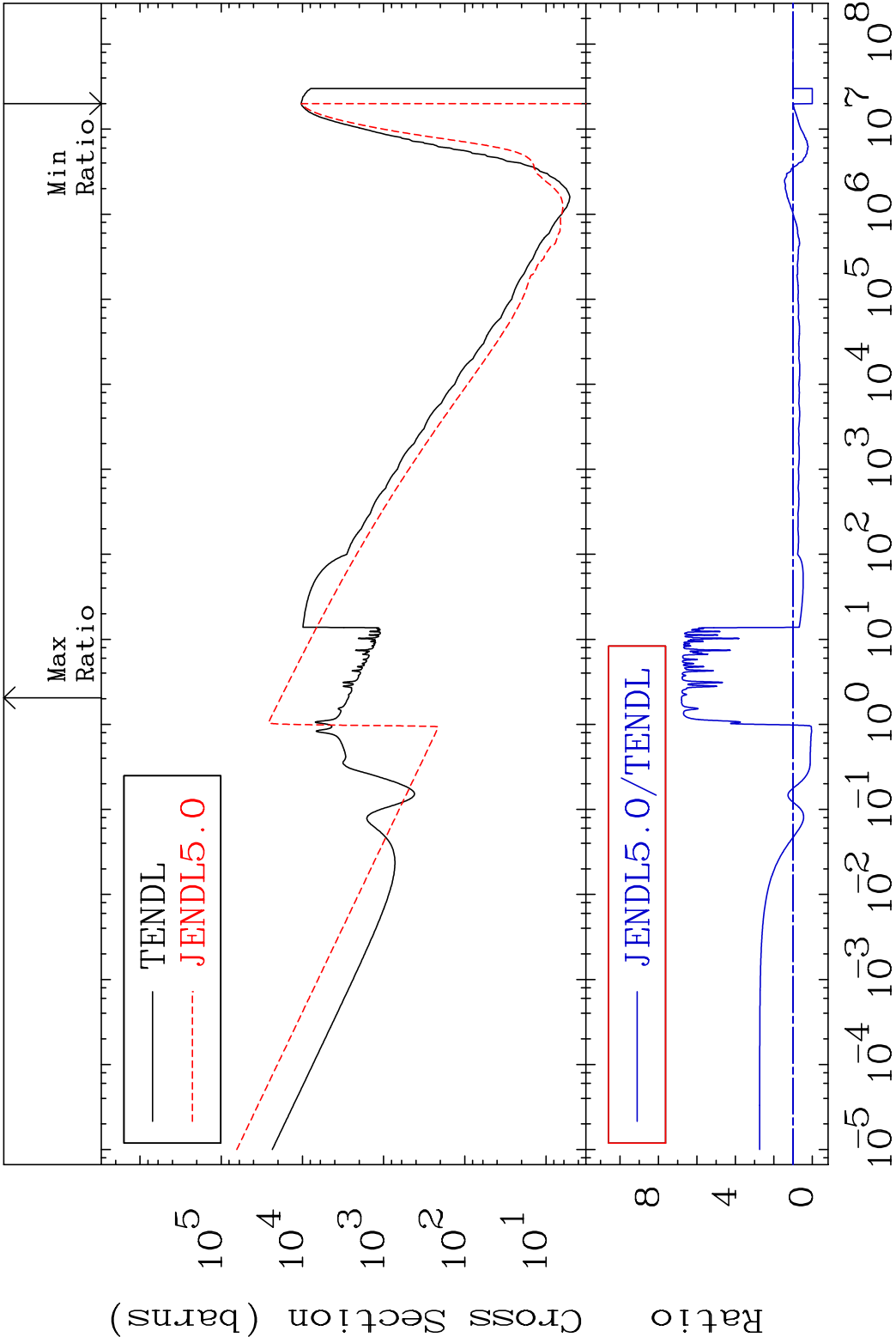
61 Incident Energy (eV) 63-Eu-150



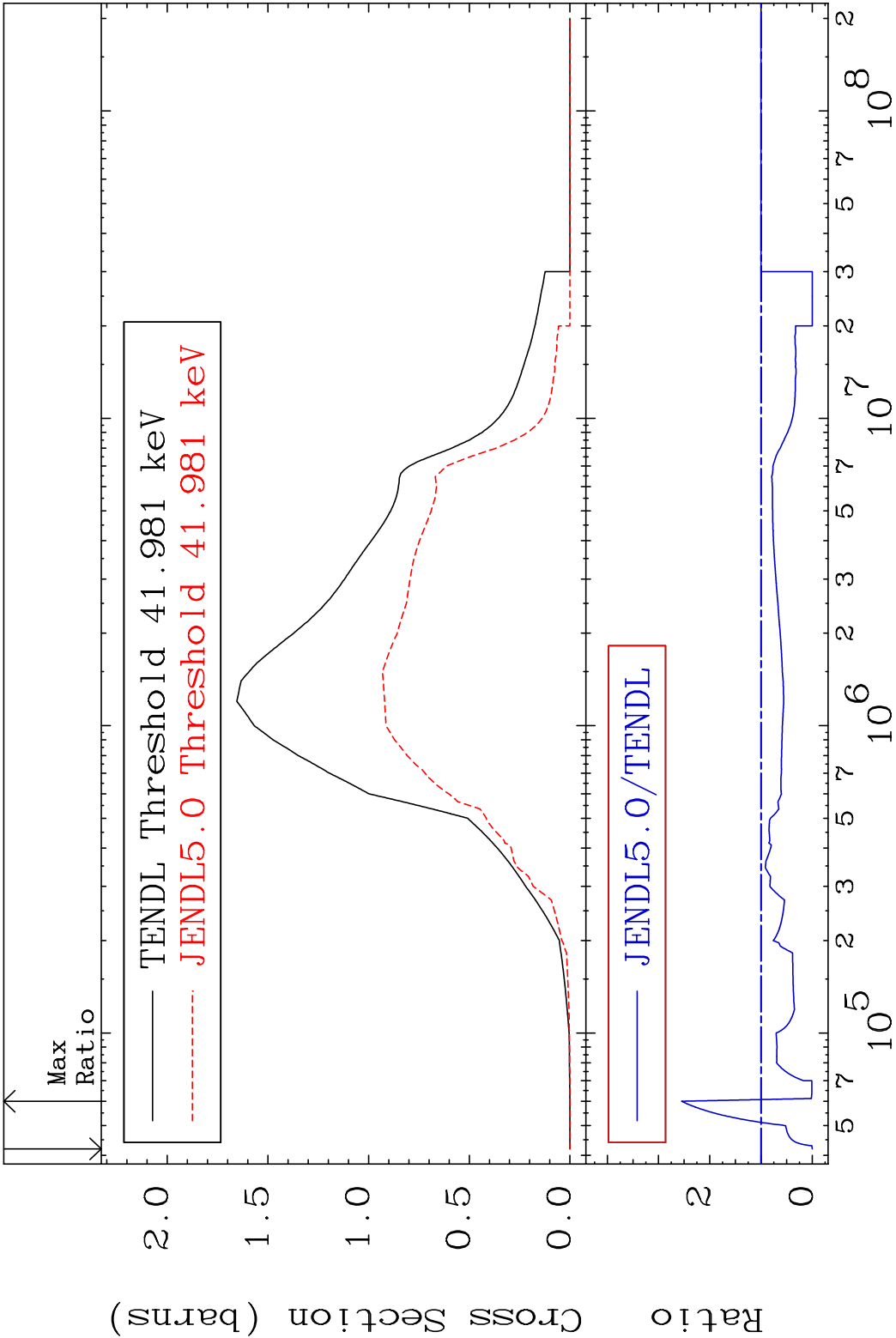


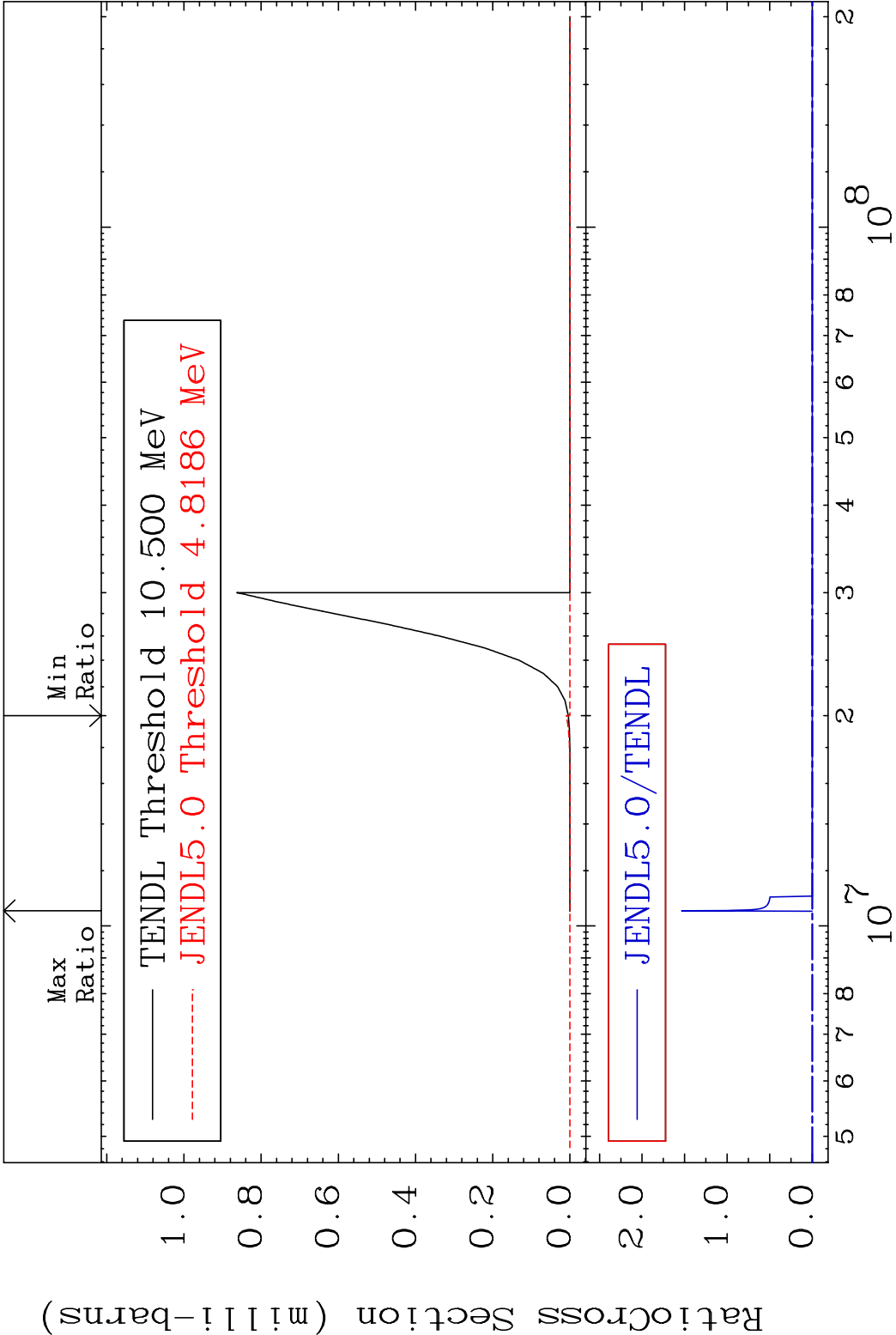


MAT 6322 Dpa disappearance (mt102 -120) 63-Eu-150
 Cross Section -100.0 To 579.5 %



65 Incident Energy (eV) 63-Eu-150





Radionuclide Production Cross Section (micro-barns)

