

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

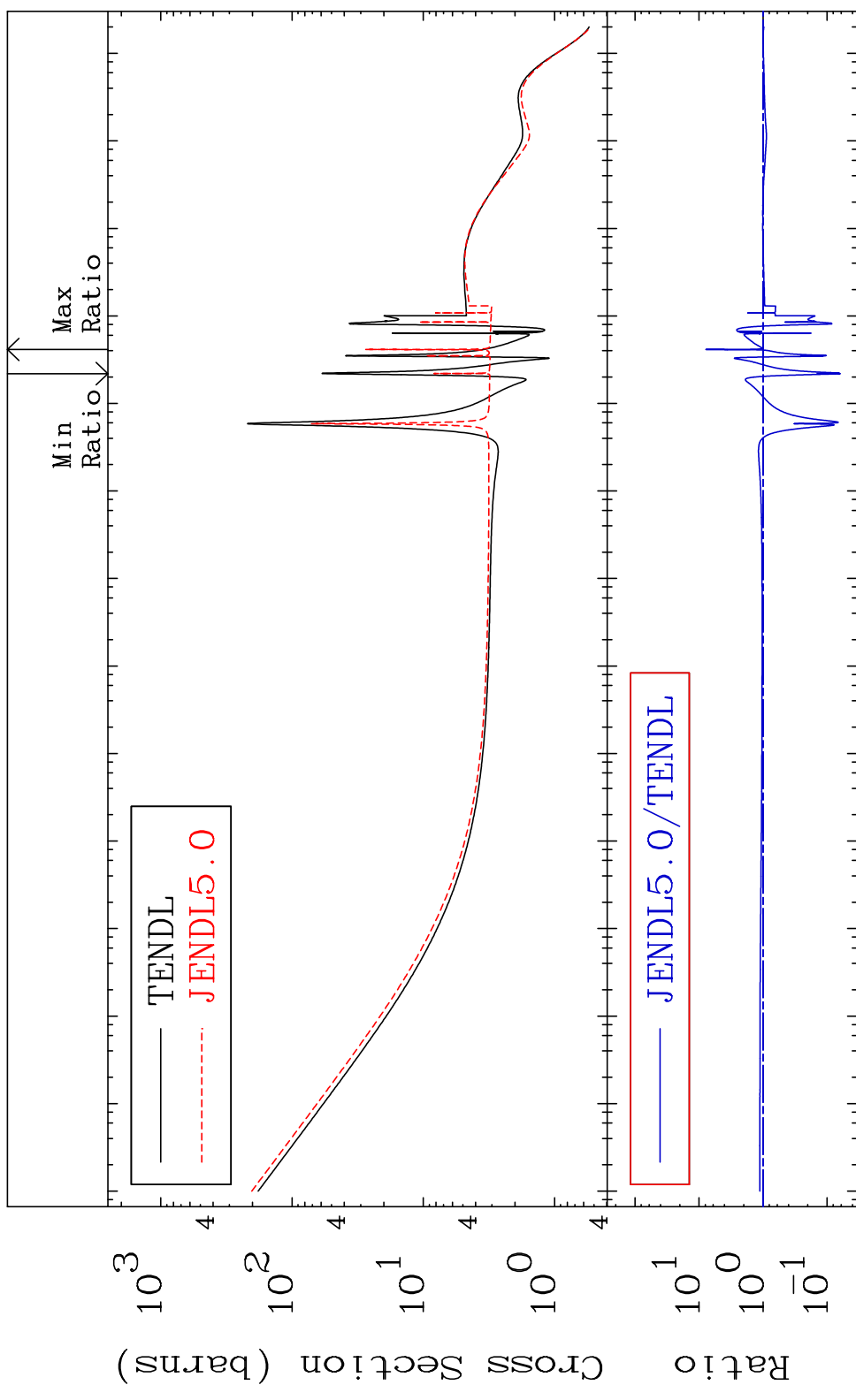
MAT 1322

Total

13-A1-26

Cross Section

-93.82 To 684.8 %



1

Incident Energy (eV)

13-A1-26

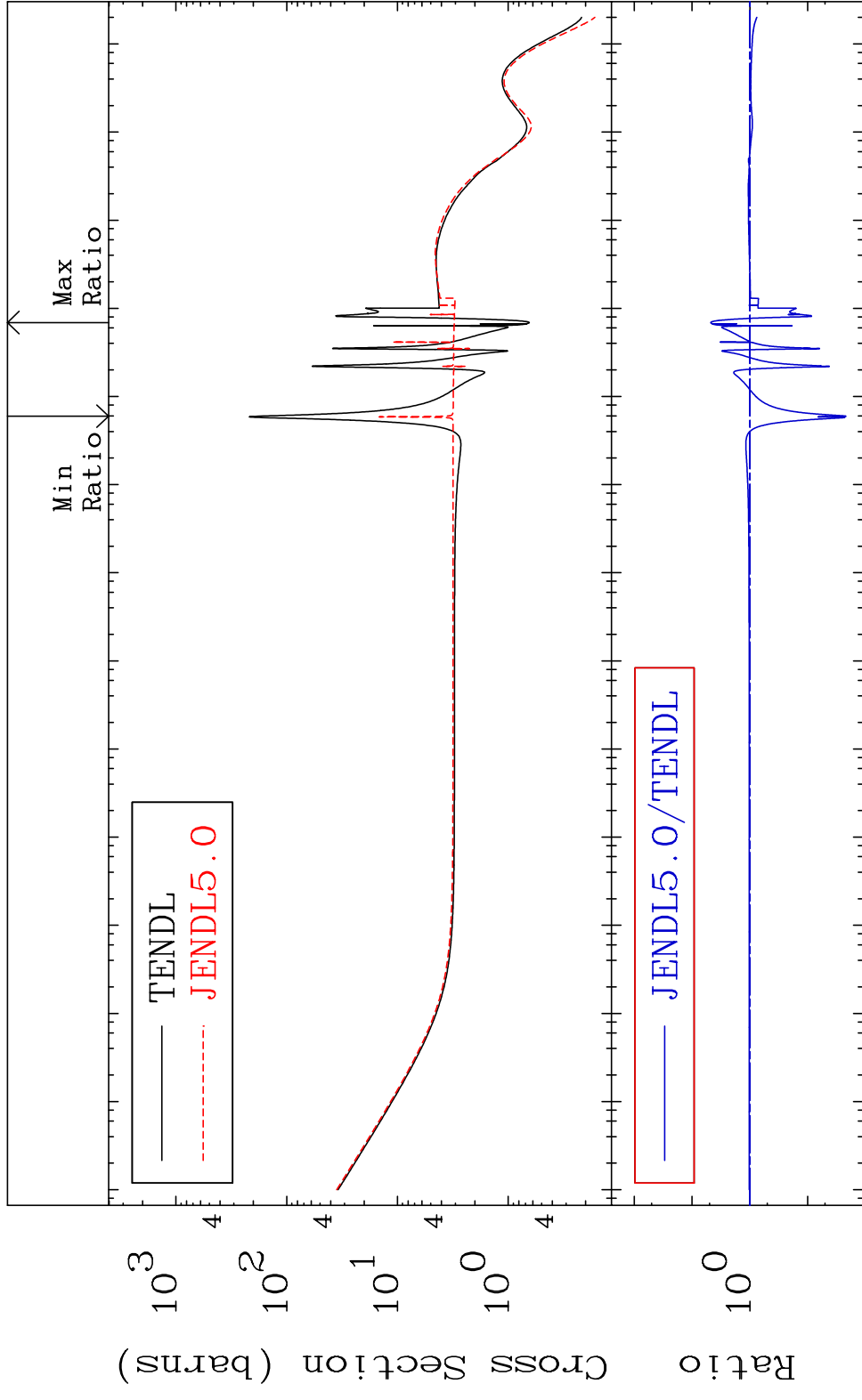
MAT 1322

Elastic

13-Al-26

Cross Section

-97.85 To 376.0 %



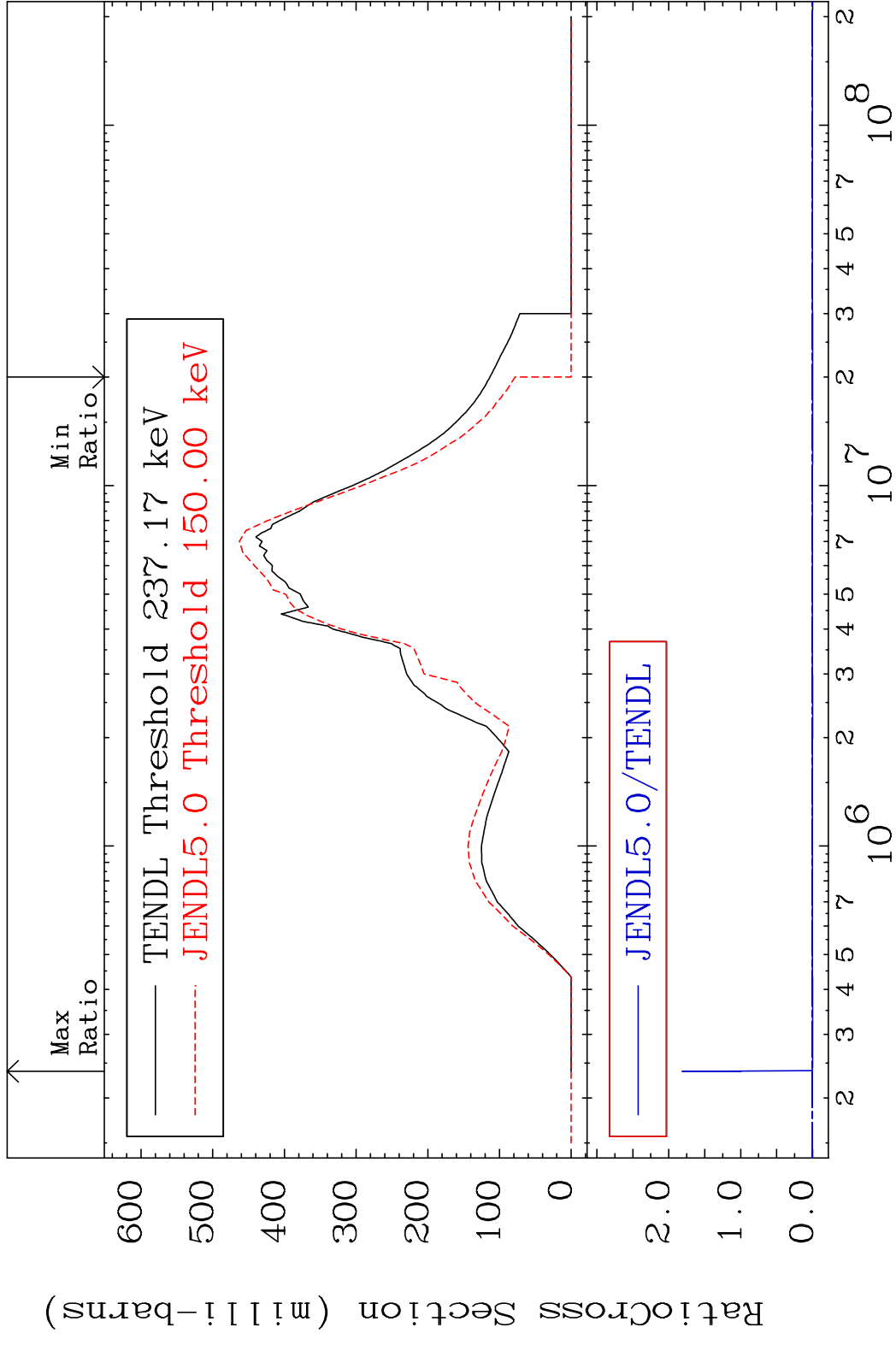
10³
10²
10¹
10⁰
10⁰
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

13-Al-26

MAT 1322 Inelastic 13-Al-26
 Cross Section -100.0 To 9999. %

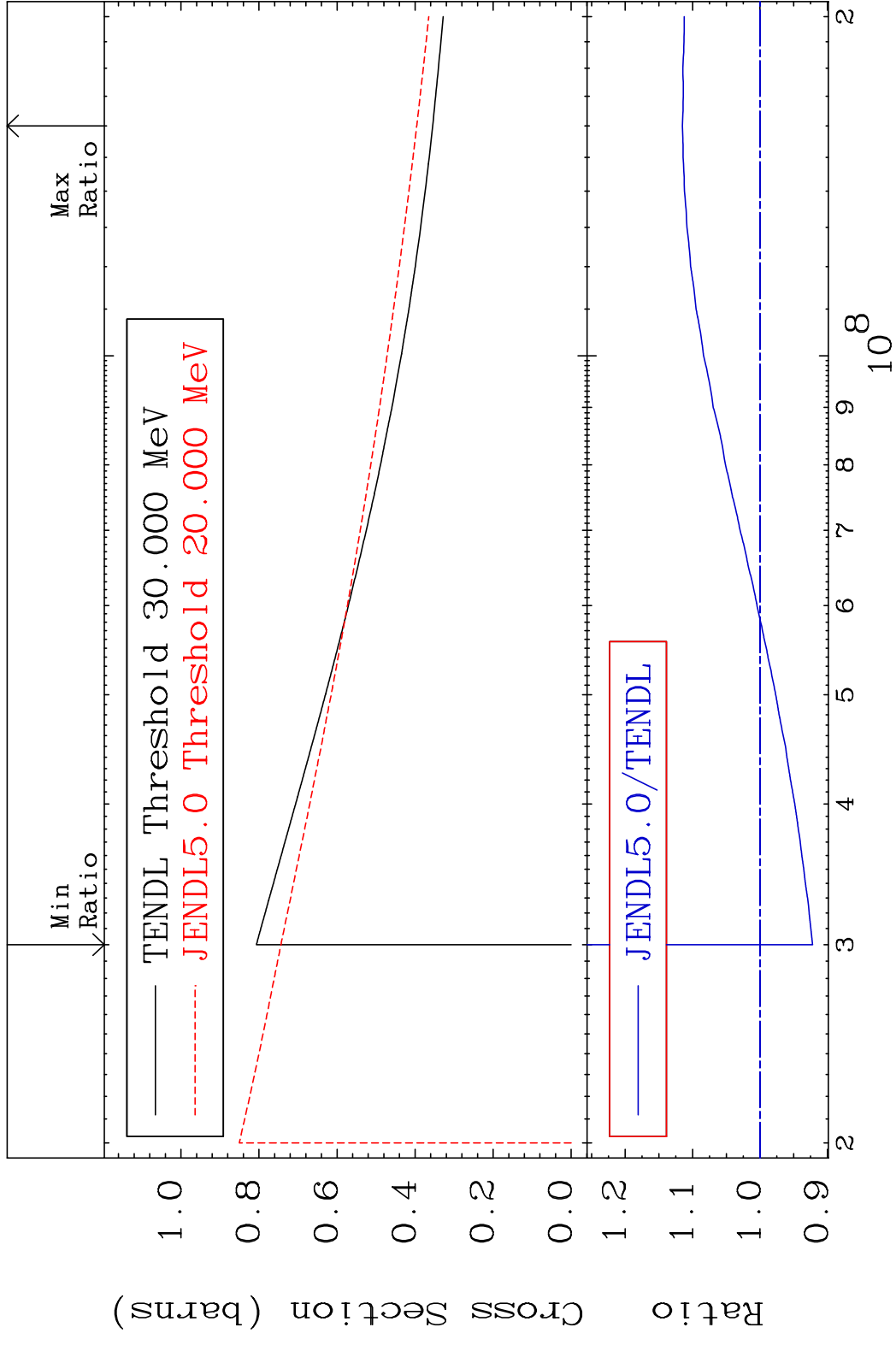


MAT 1322

(n, remainder)

13-A1-26

Cross Section -7.794 To 11.53 %

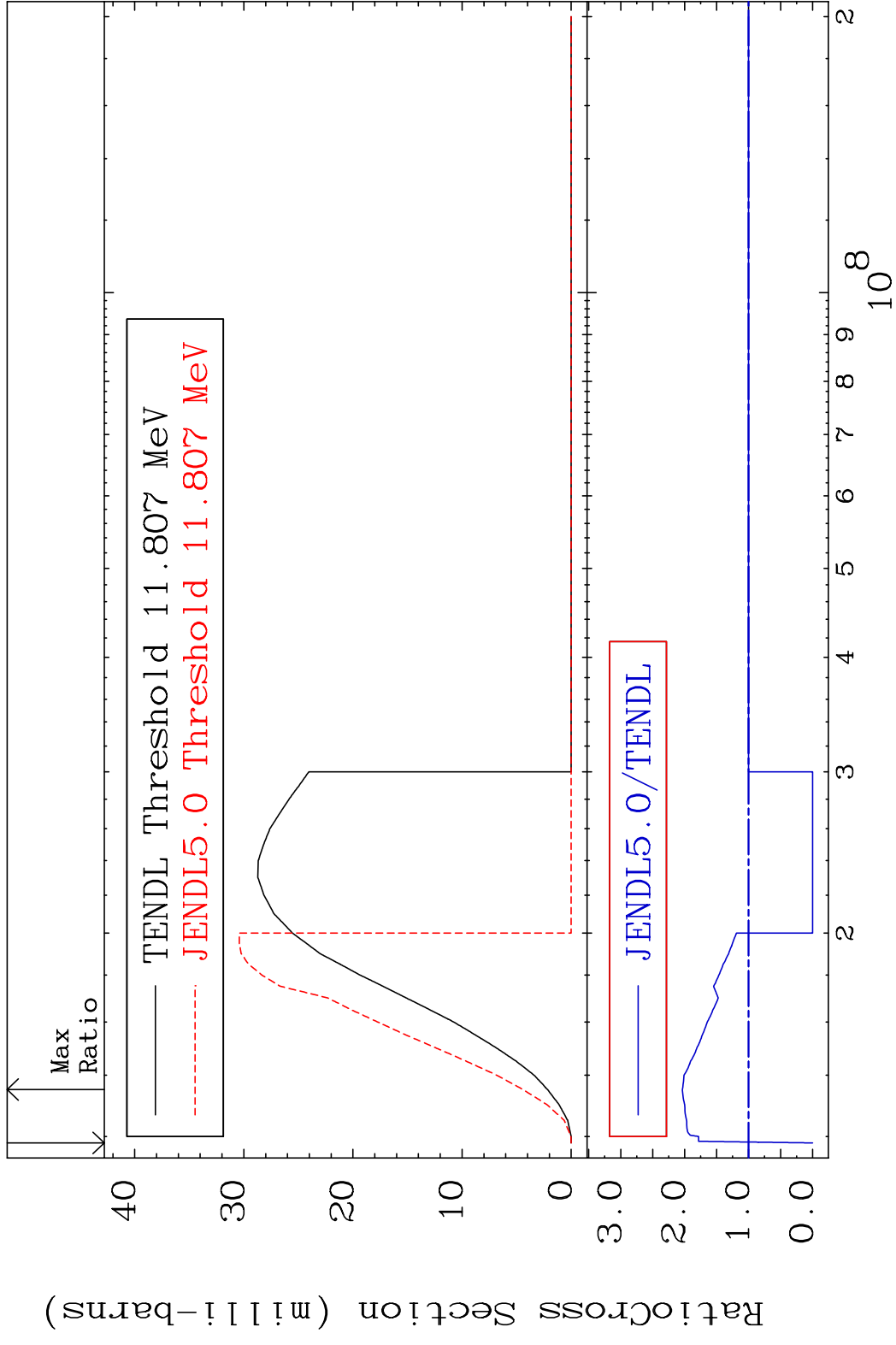


MAT 1322

(n,2n)

13-Al-26

Cross Section -100.0 To 103.6 %

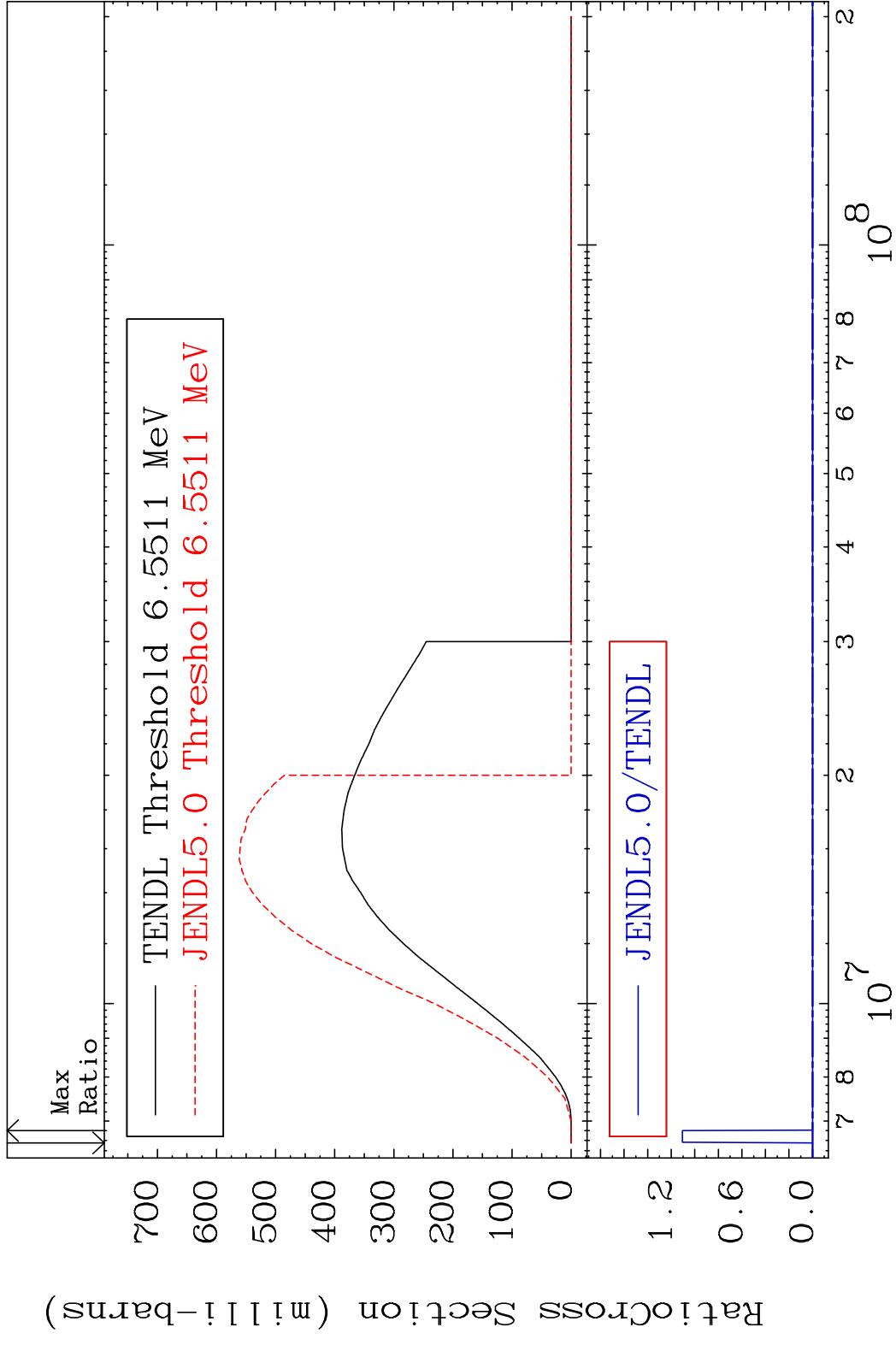


MAT 1322

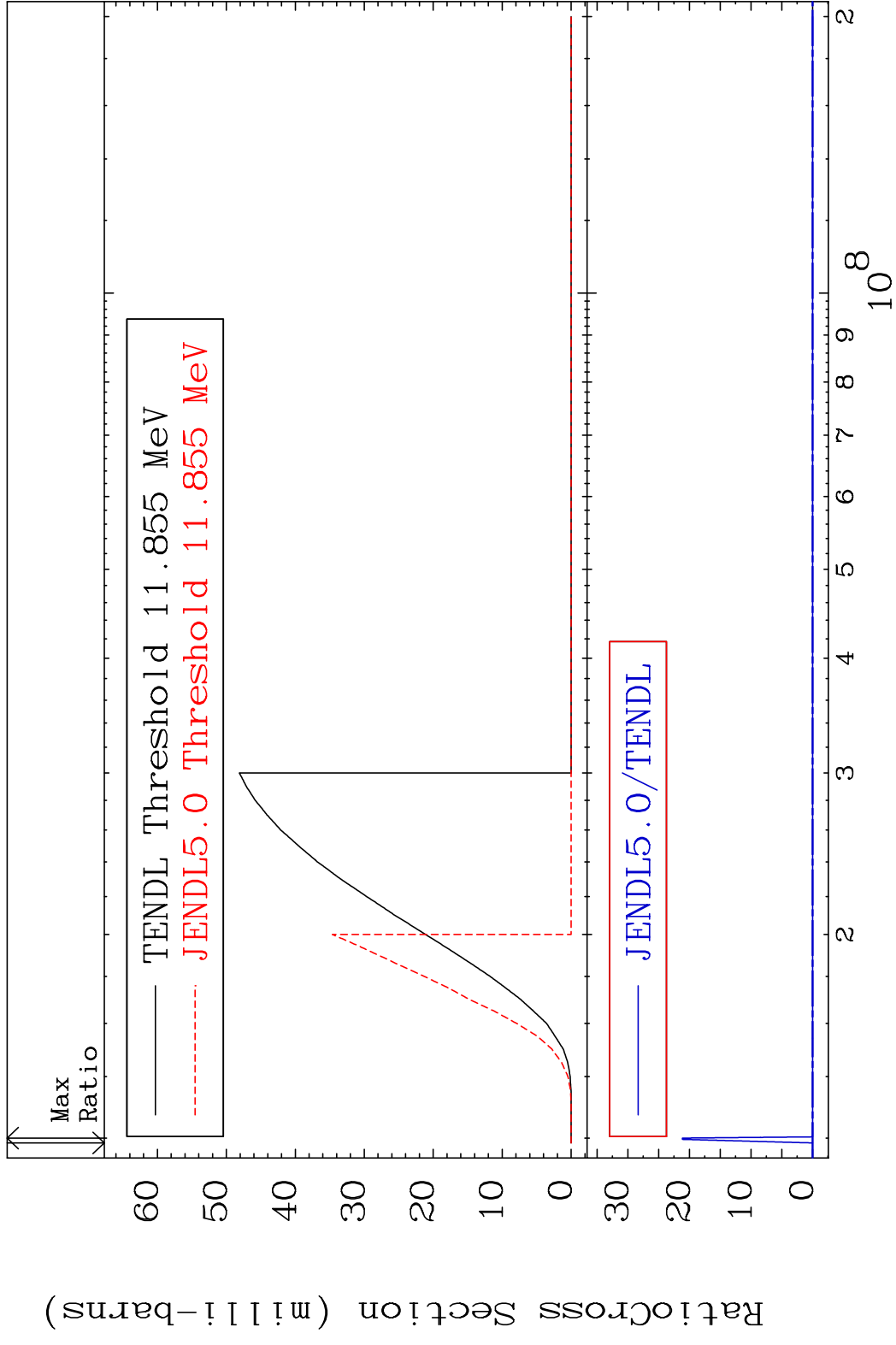
(n, n') p

13-Al-26

Cross Section -100.0 To 9999. %



MAT 1322 (n, n') d 13-Al-26
 Cross Section -100.0 To 9999. %

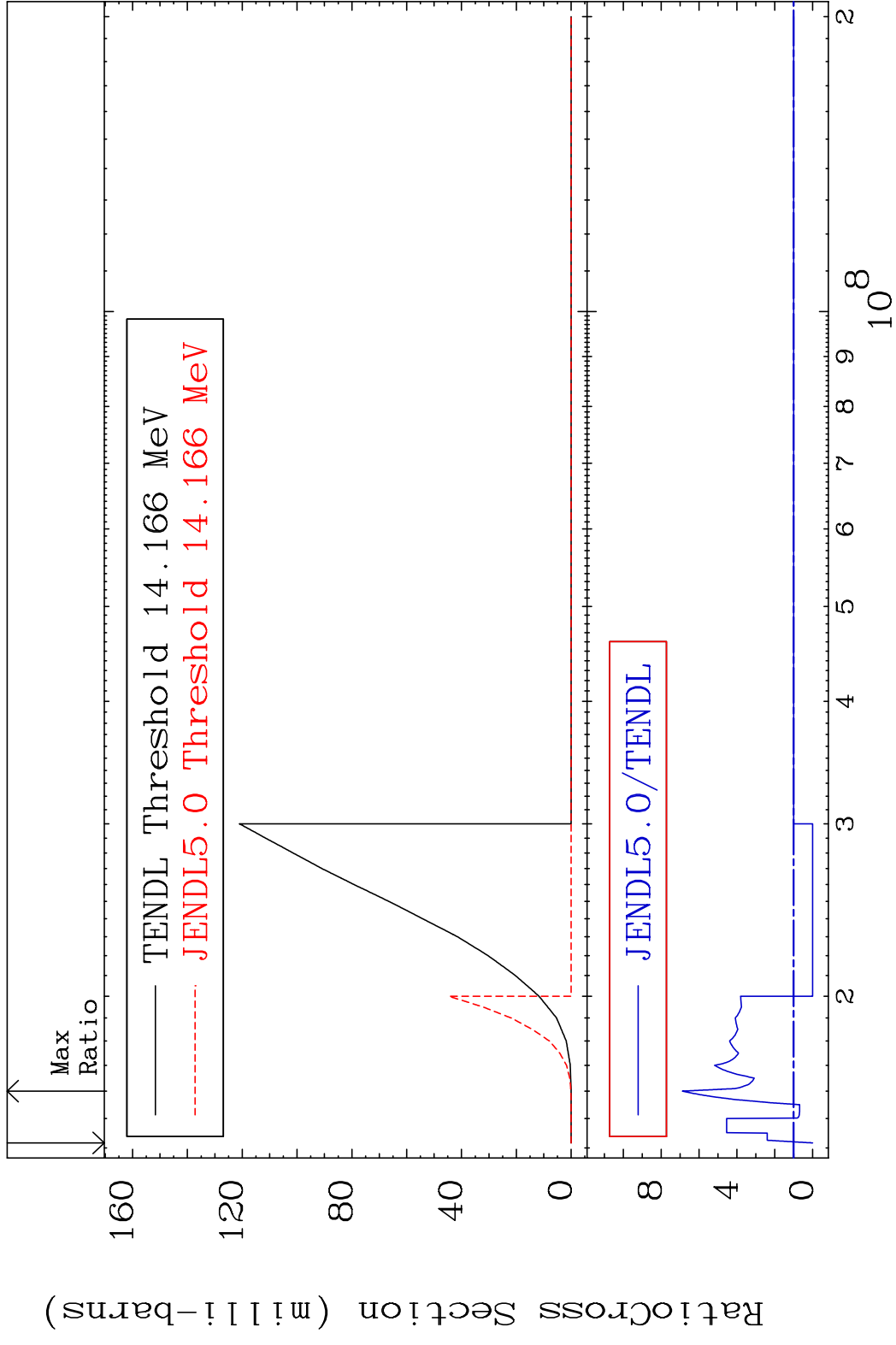


MAT 1322

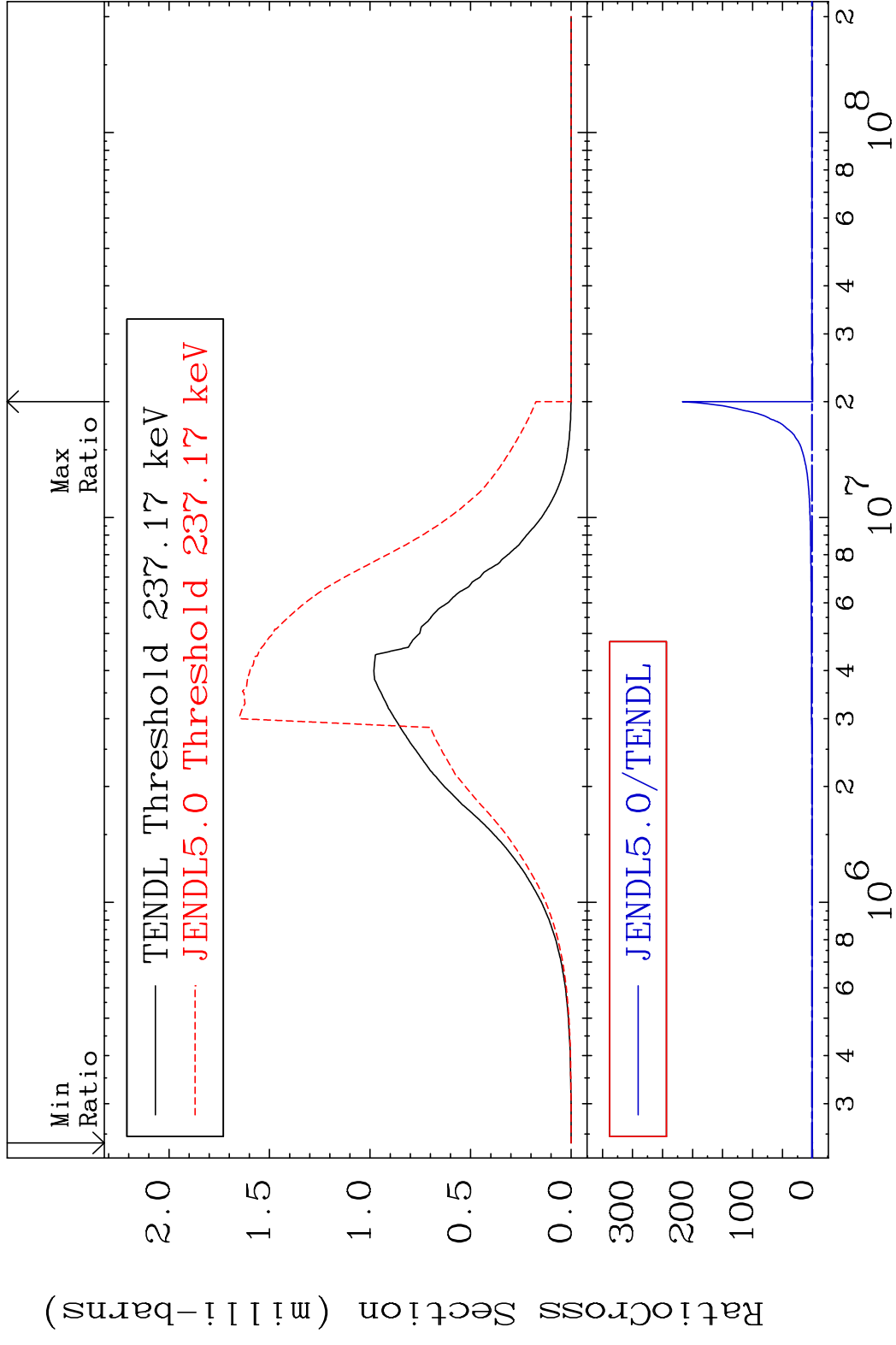
(n,2n) p

13-Al-26

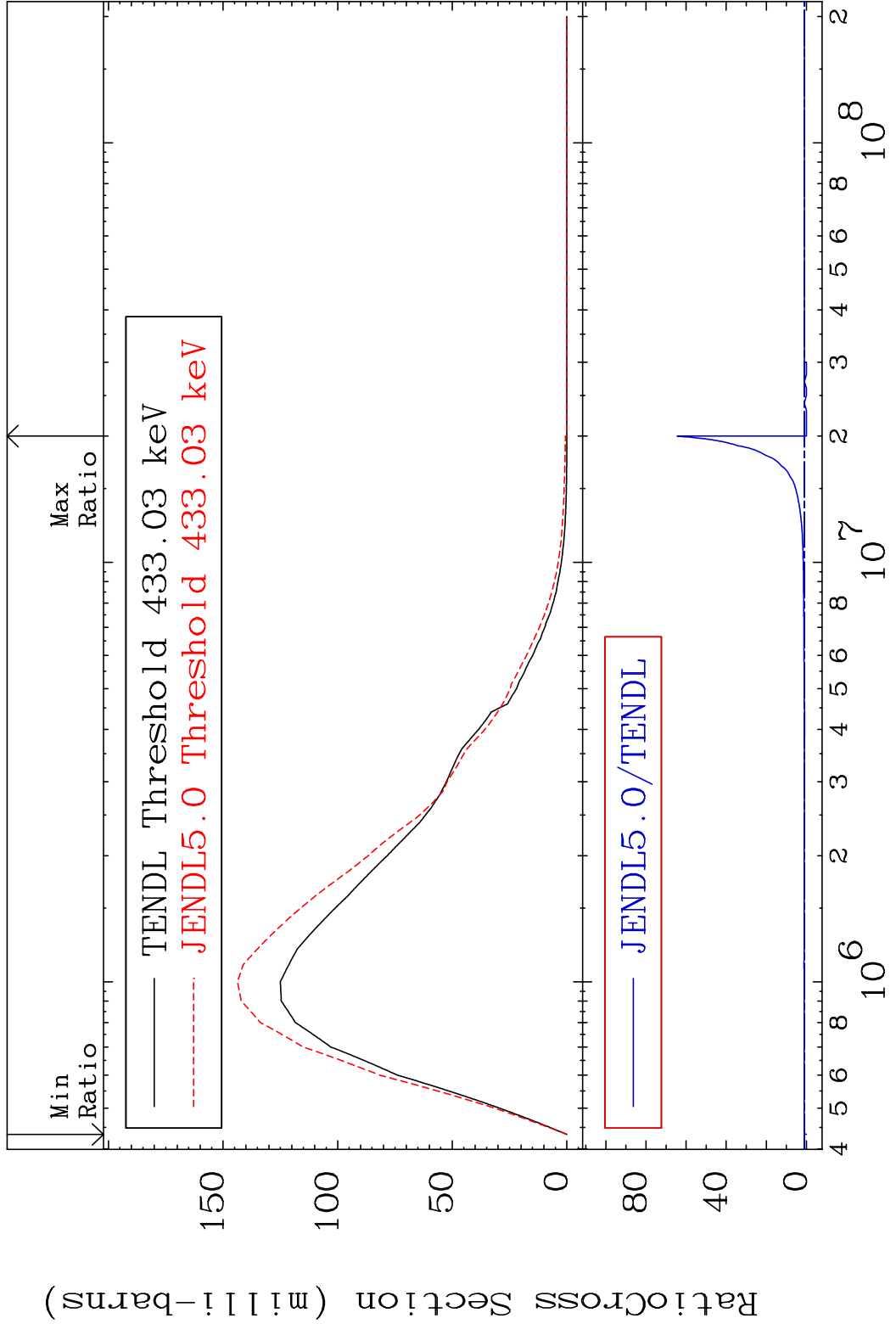
Cross Section -100.0 To 587.8 %



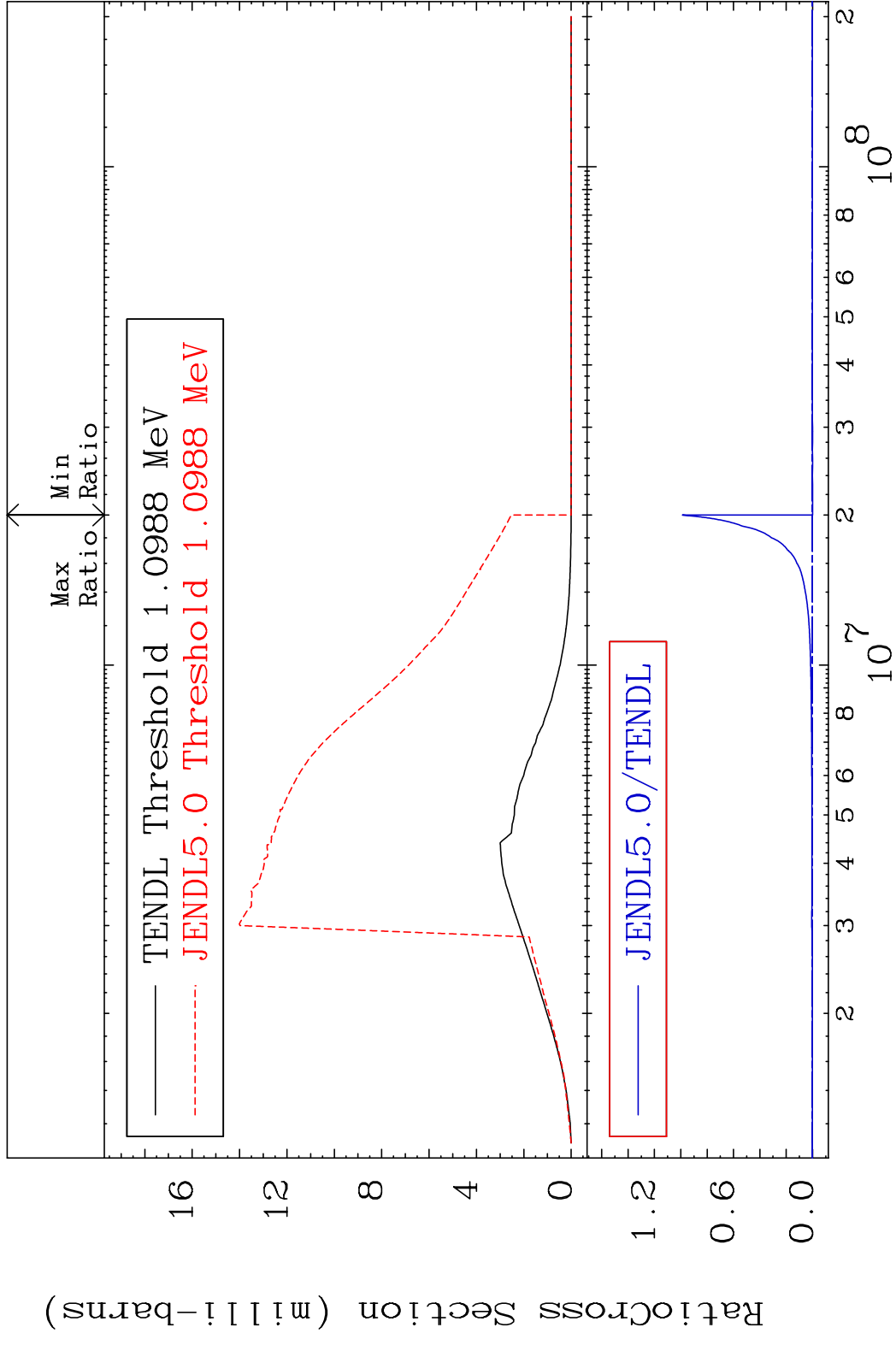
MAT 1322 MT= 51 (n, n') Level 13-Al-26
 Cross Section -100.0 To 9999. %



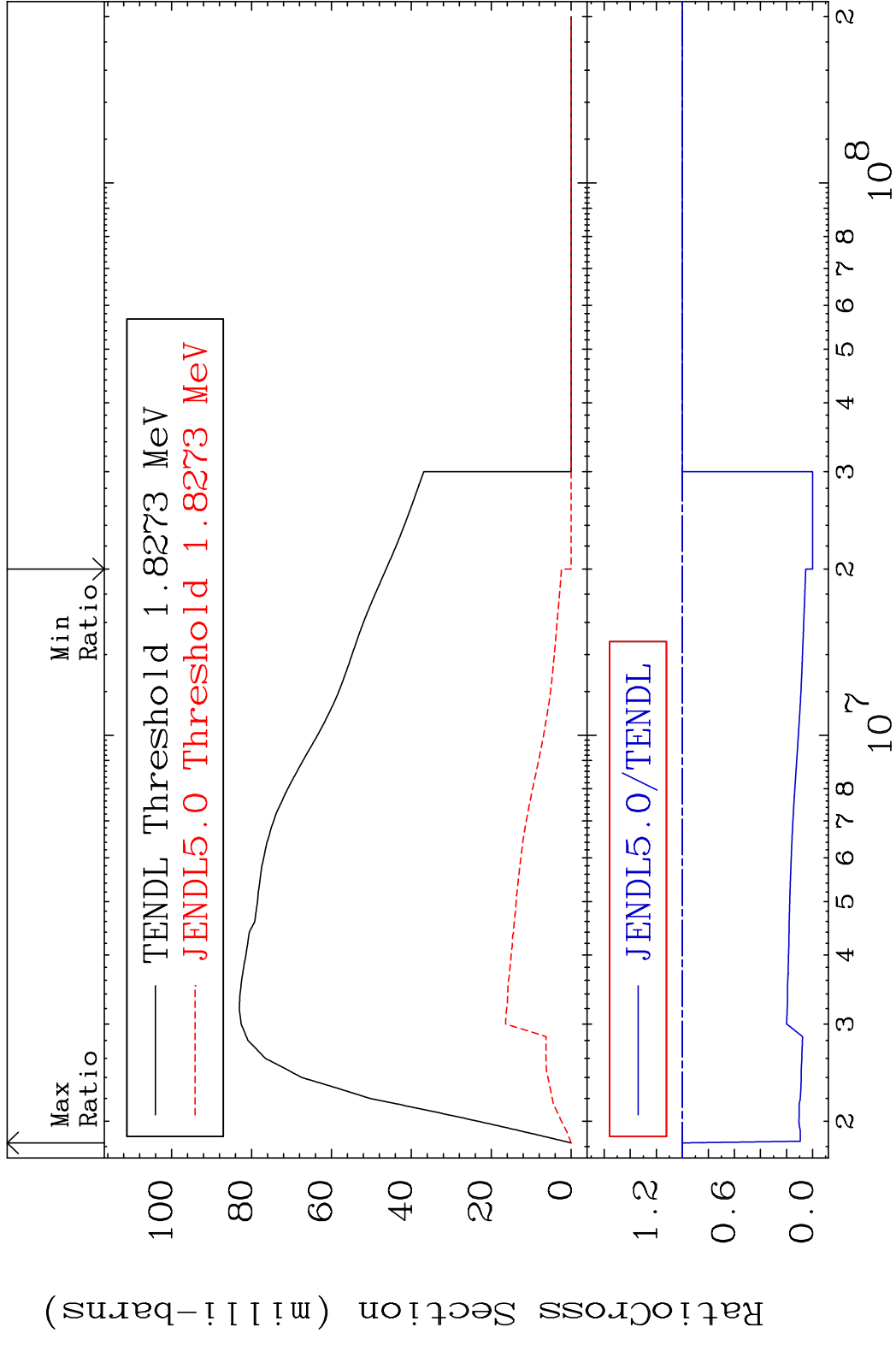
MAT 1322 MT= 52 (n, n') Level 13-A1-26
 Cross Section -100.0 To 6344. %



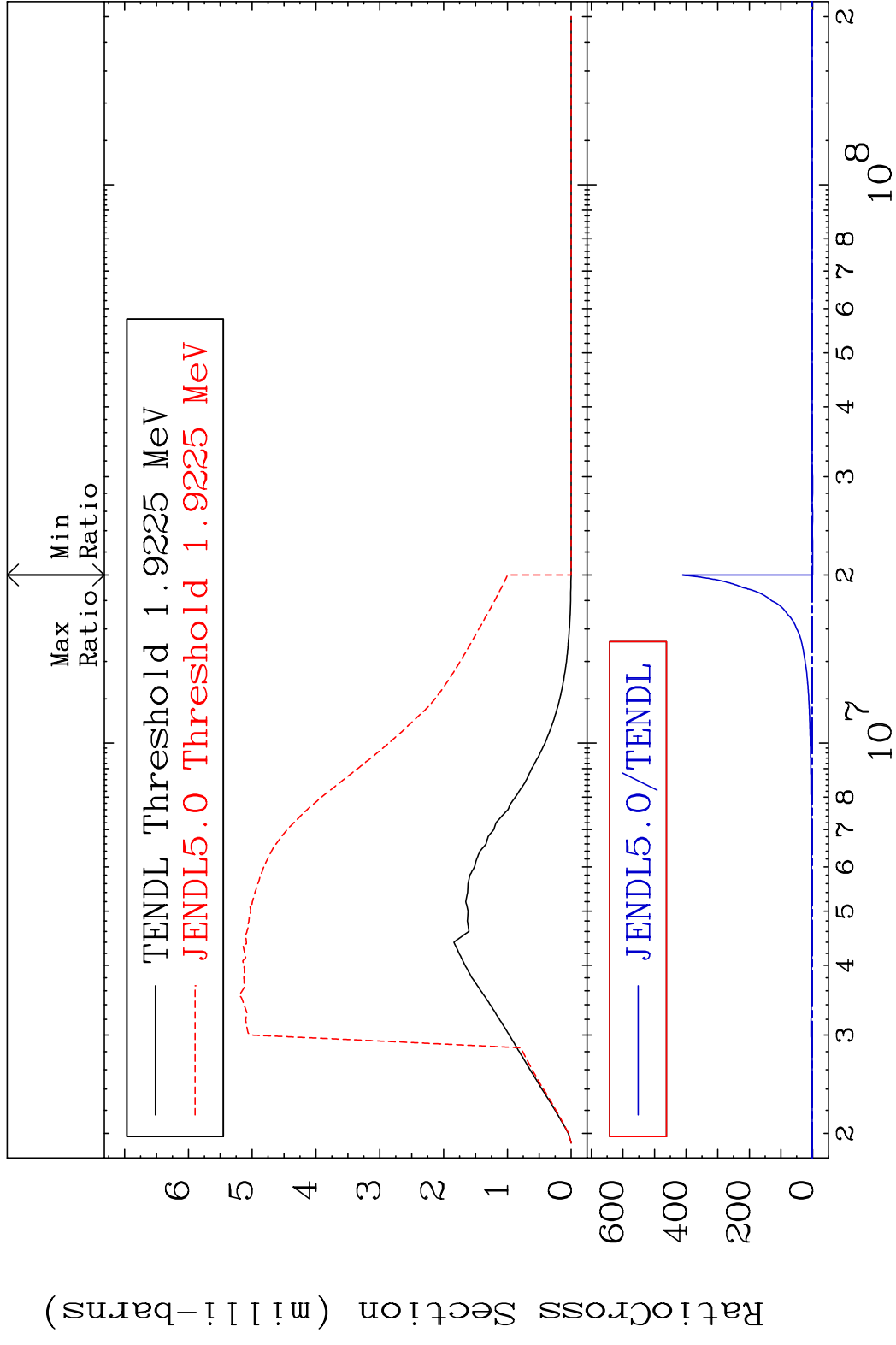
MAT 1322 MT= 53 (n, n') Level 13-Al-26
 Cross Section -100.0 To 9999. %



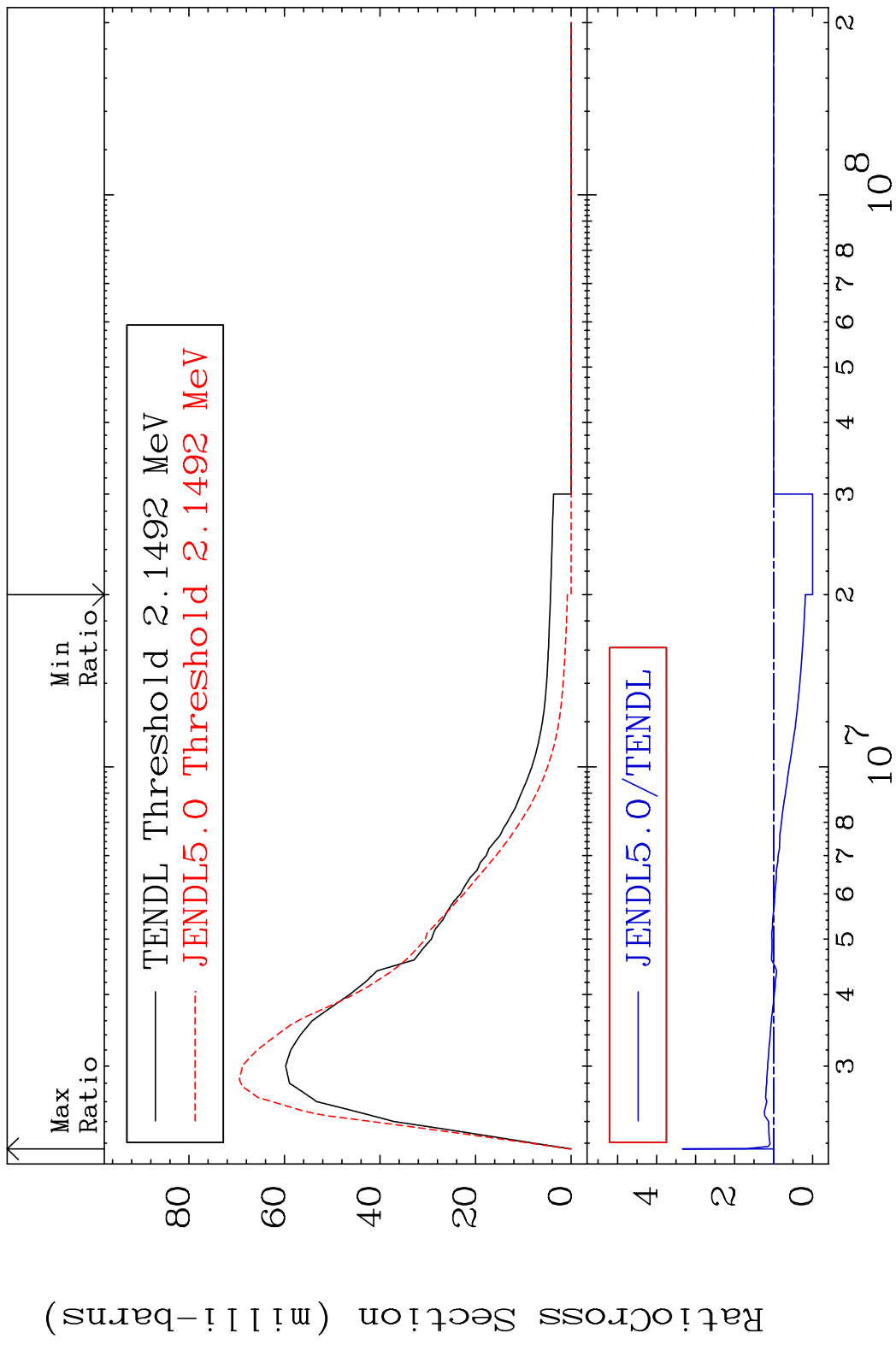
MAT 1322 MT= 54 (n, n') Level 13-A1-26
 Cross Section -100.0 To 0.000 %



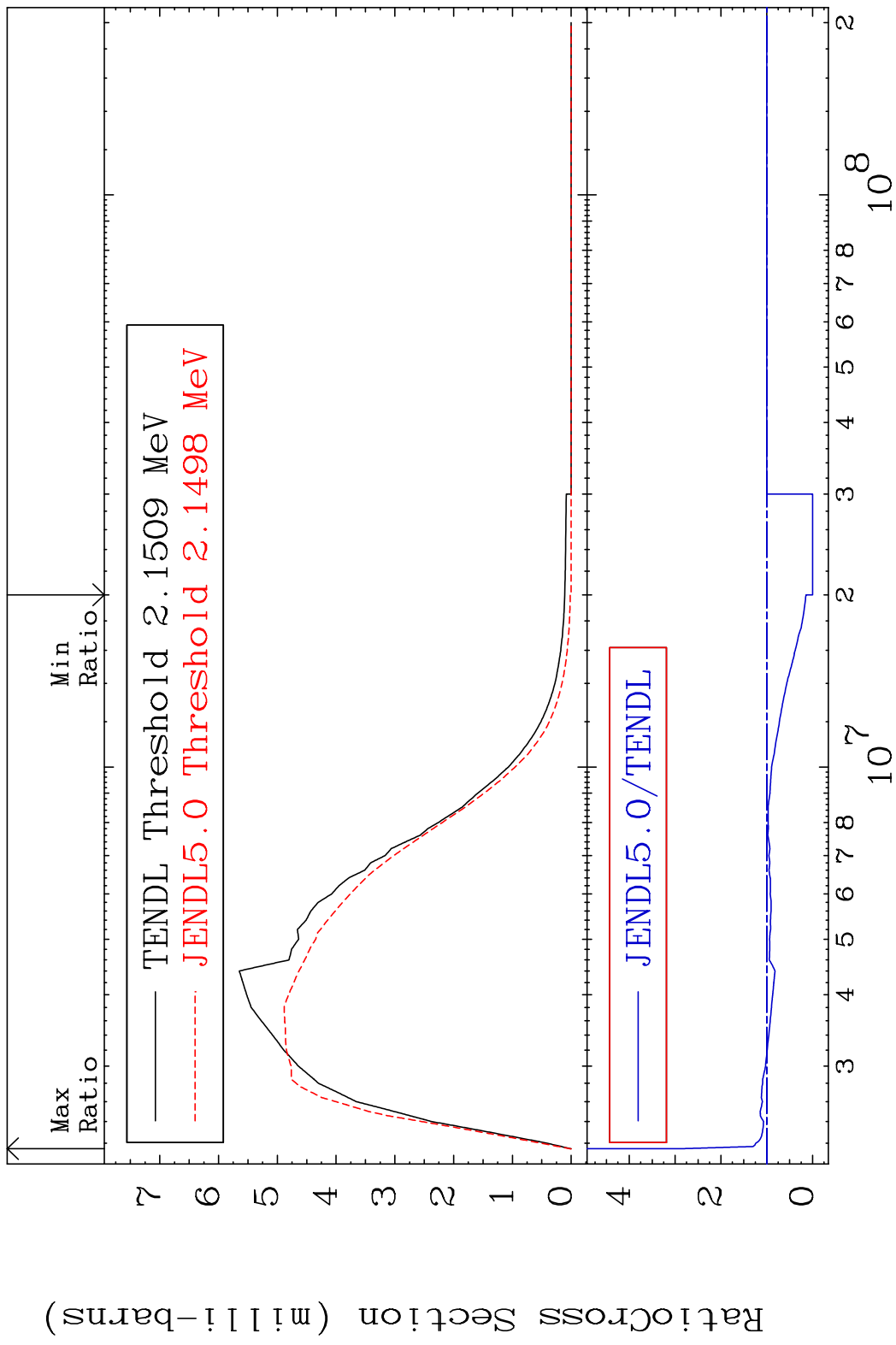
MAT 1322 MT= 55 (n, n') Level 13-A1-26
 Cross Section -100.0 To 9999. %



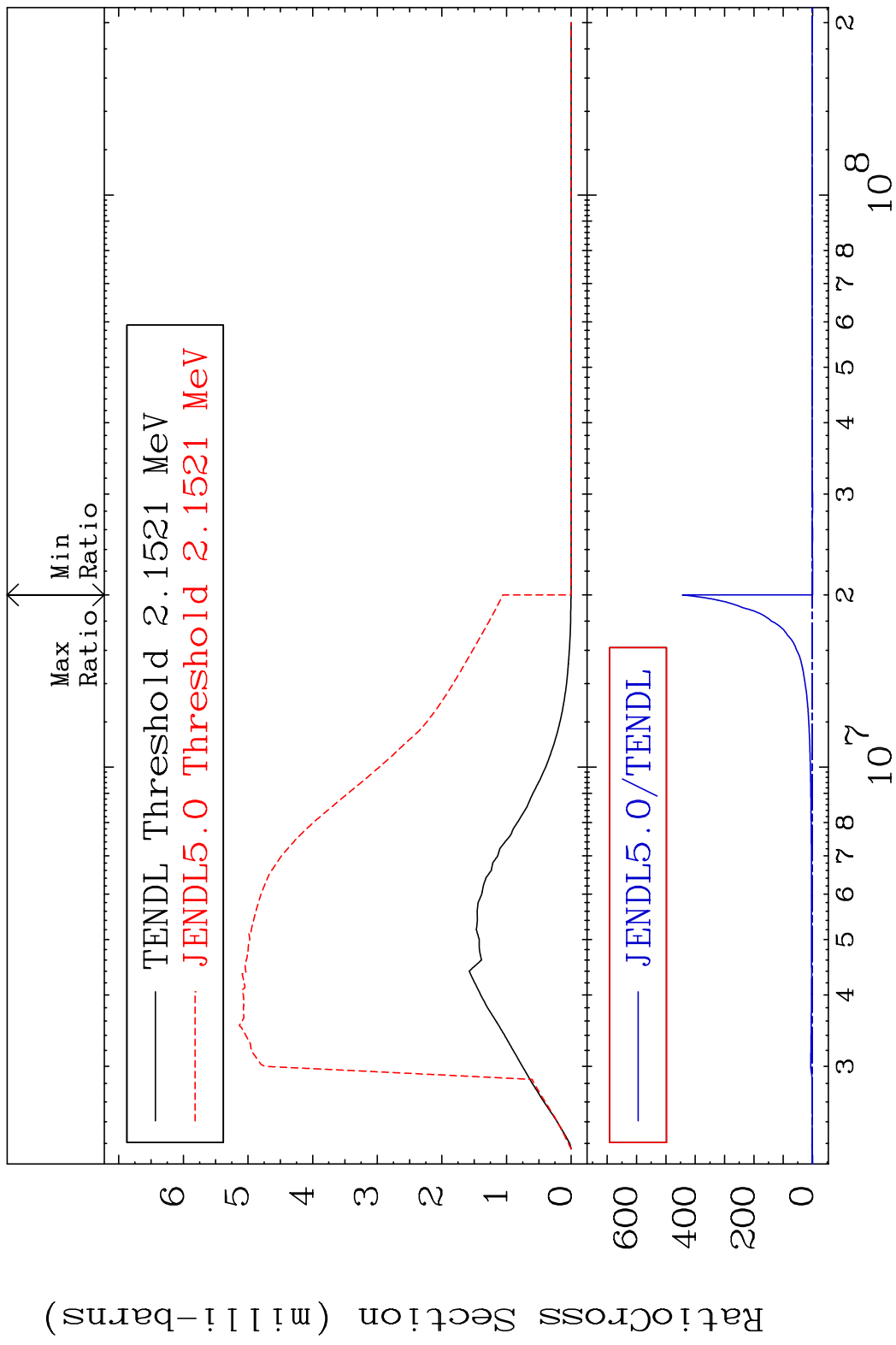
MAT 1322 MT= 56 (n, n') Level 13-A1-26
 Cross Section -100.0 To 234.0 %



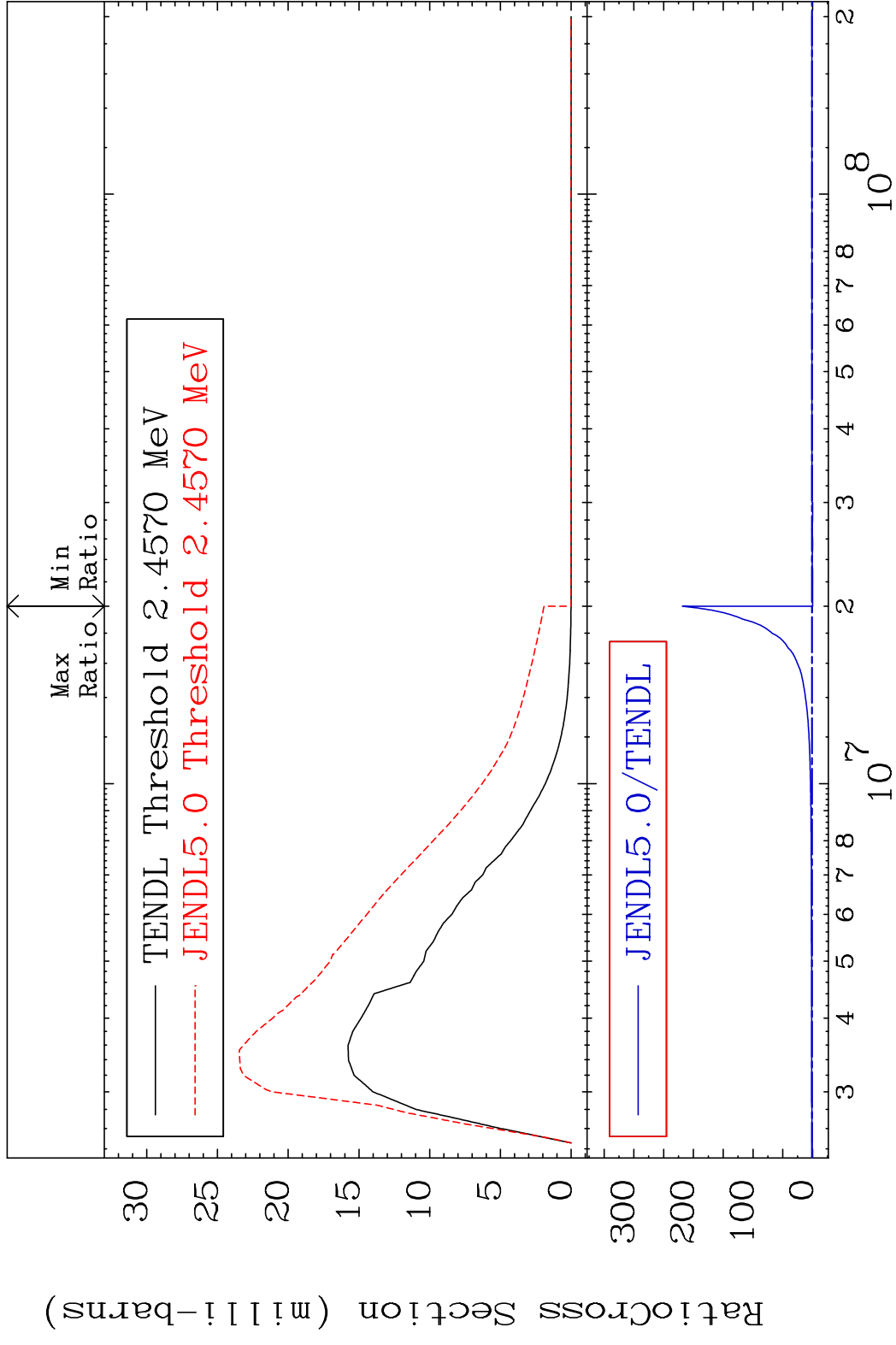
MAT 1322 MT= 57 (n,n') Level 13-A1-26
 Cross Section -100.0 To 184.2 %



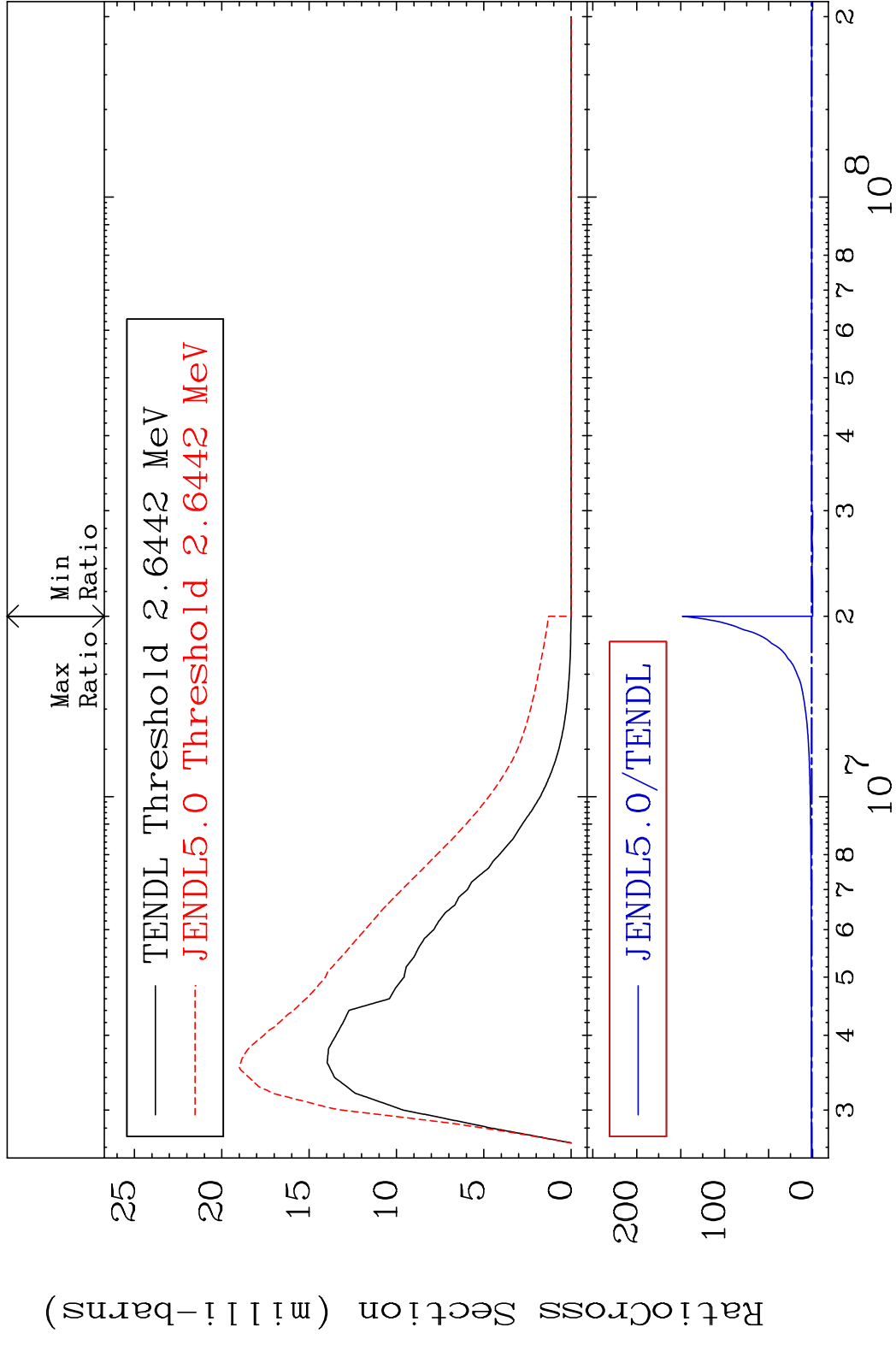
MAT 1322 MT= 58 (n, n') Level 13-Al-26
 Cross Section -100.0 To 9999. %



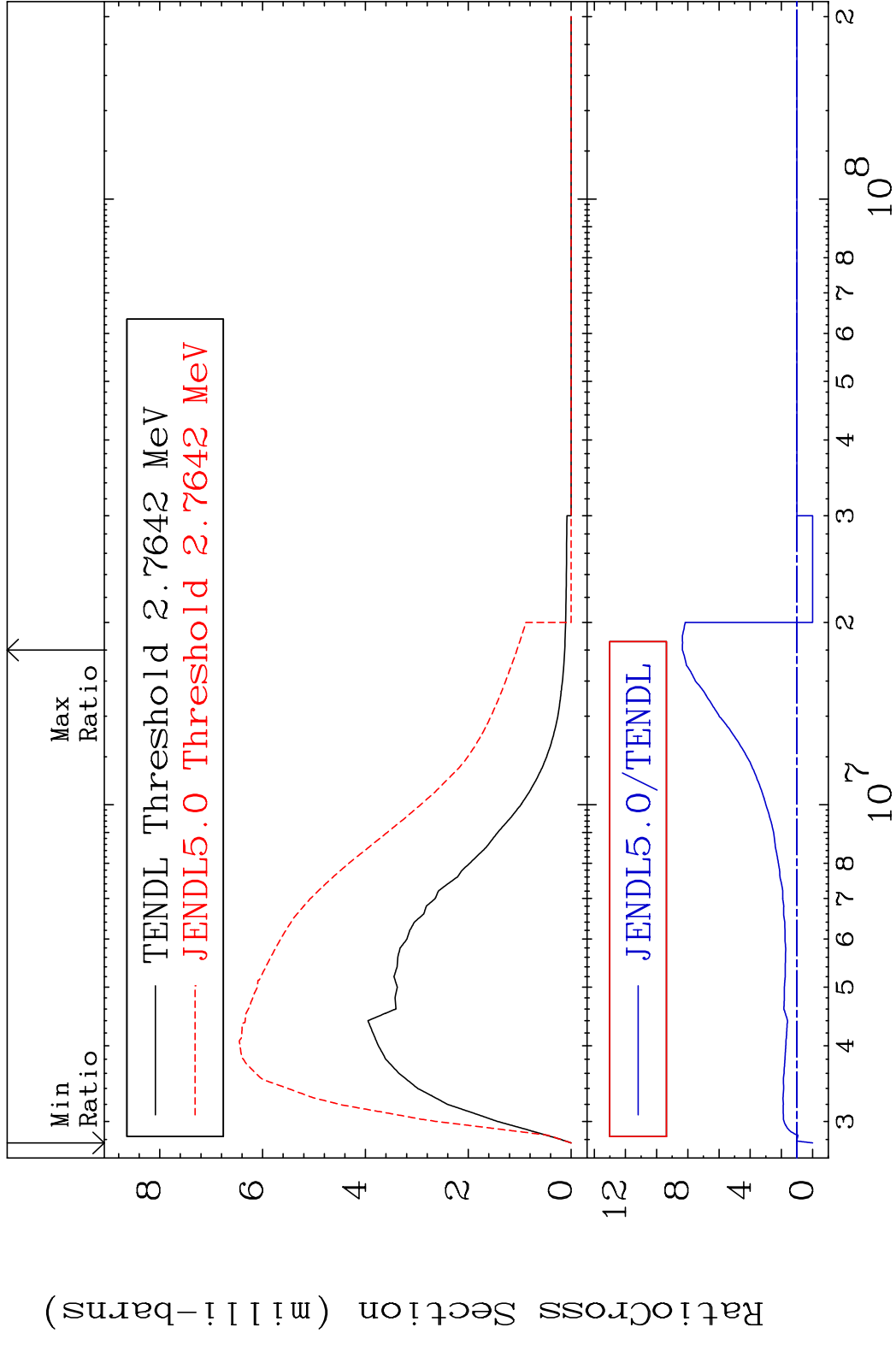
MAT 1322 MT= 59 (n, n') Level 13-A1-26
 Cross Section -100.0 To 9999. %



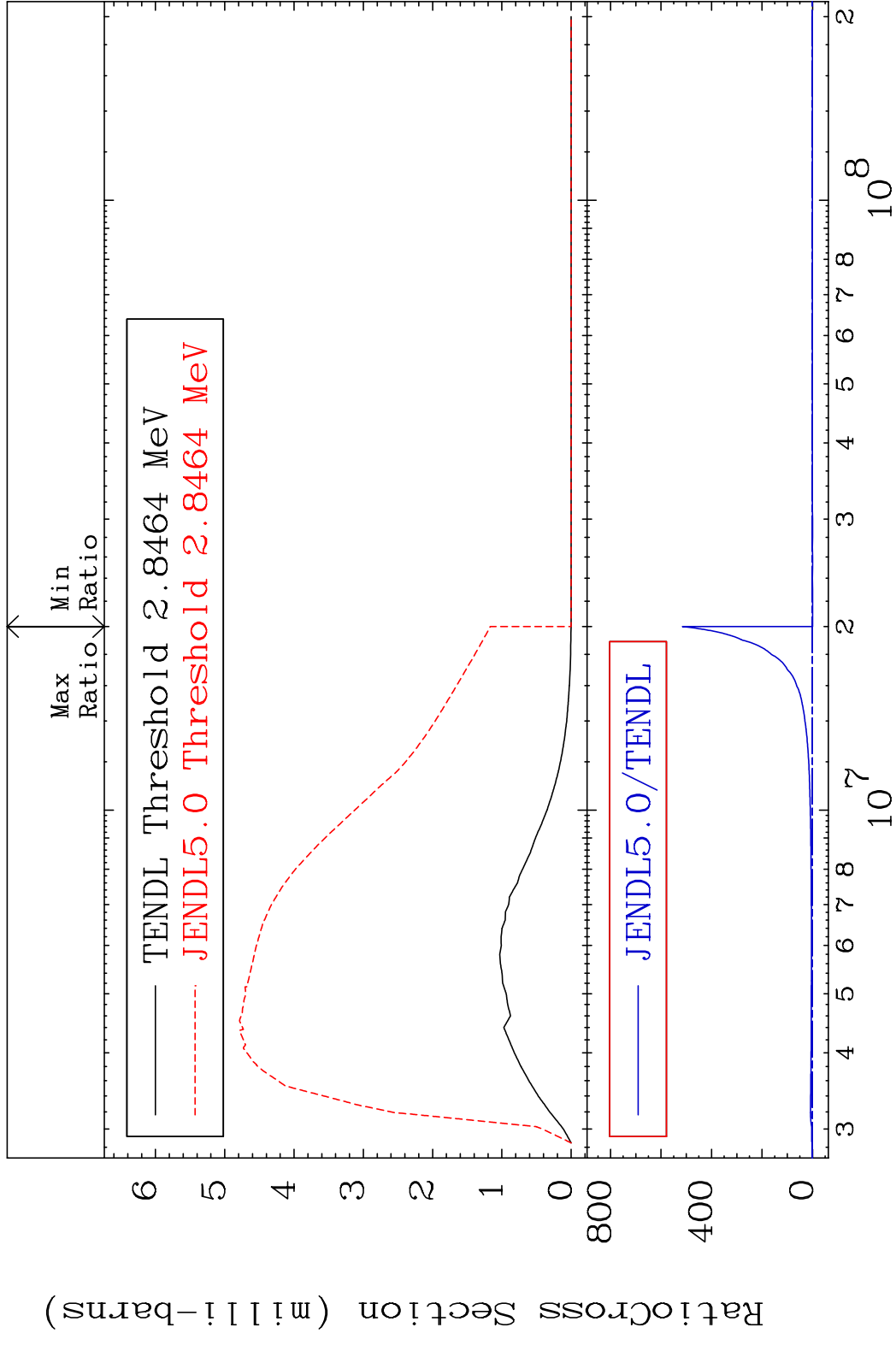
MAT 1322 MT= 60 (n, n') Level 13-Al-26
 Cross Section -100.0 To 9999. %



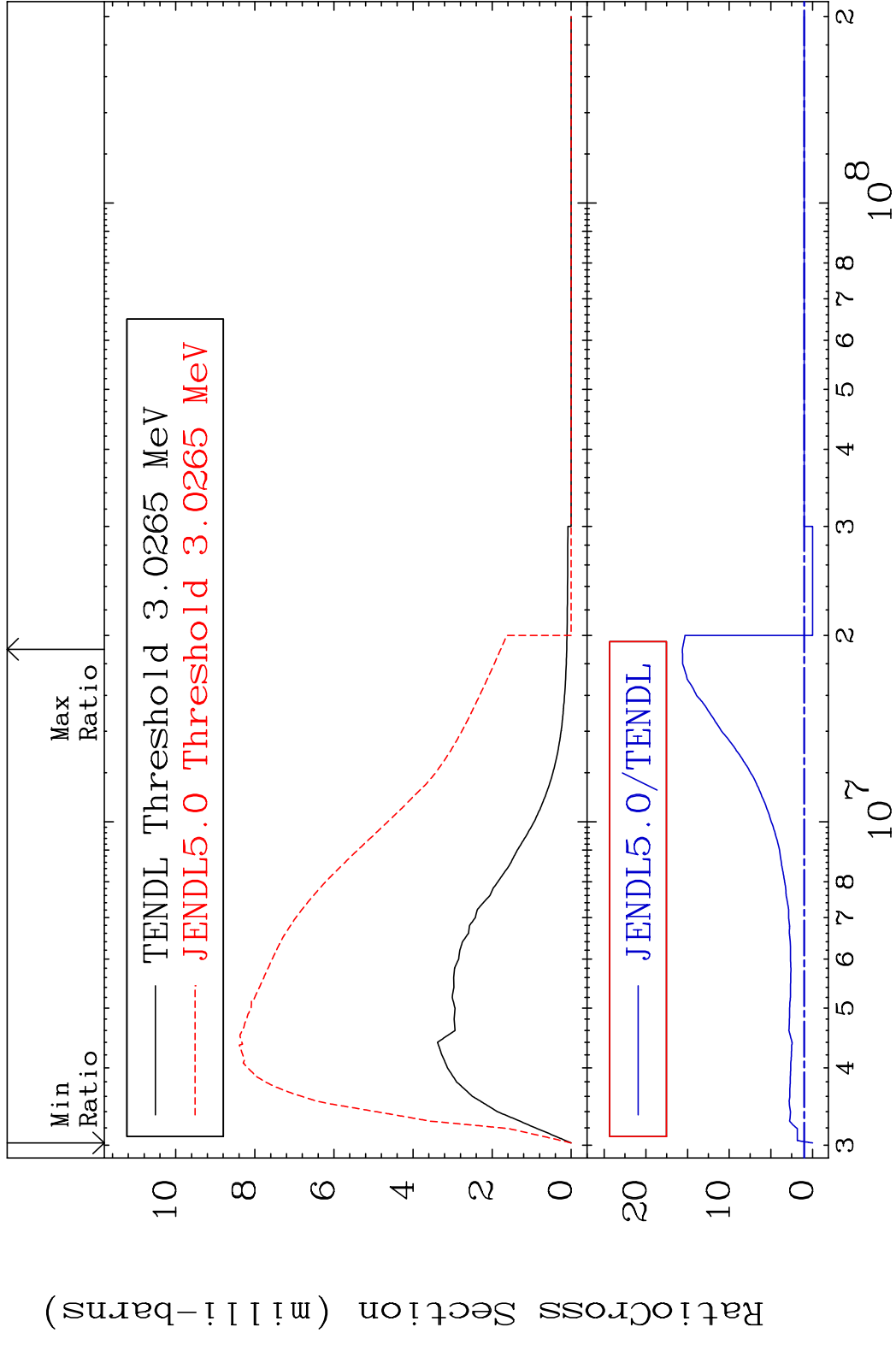
MAT 1322 MT= 61 (n, n') Level 13-Al-26
 Cross Section -100.0 To 735.1 %



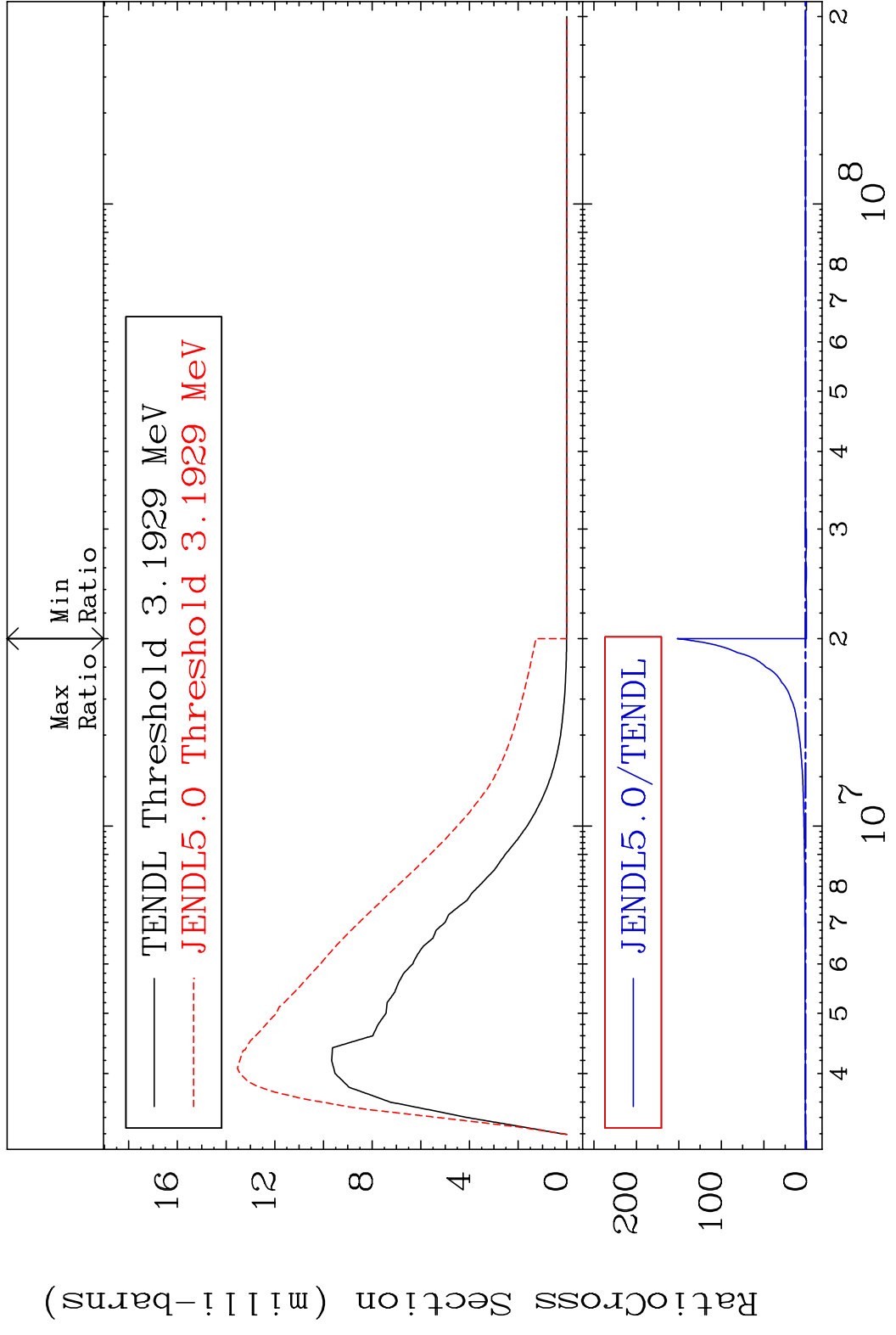
MAT 1322 MT= 62 (n, n') Level 13-A1-26
 Cross Section -100.0 To 9999. %



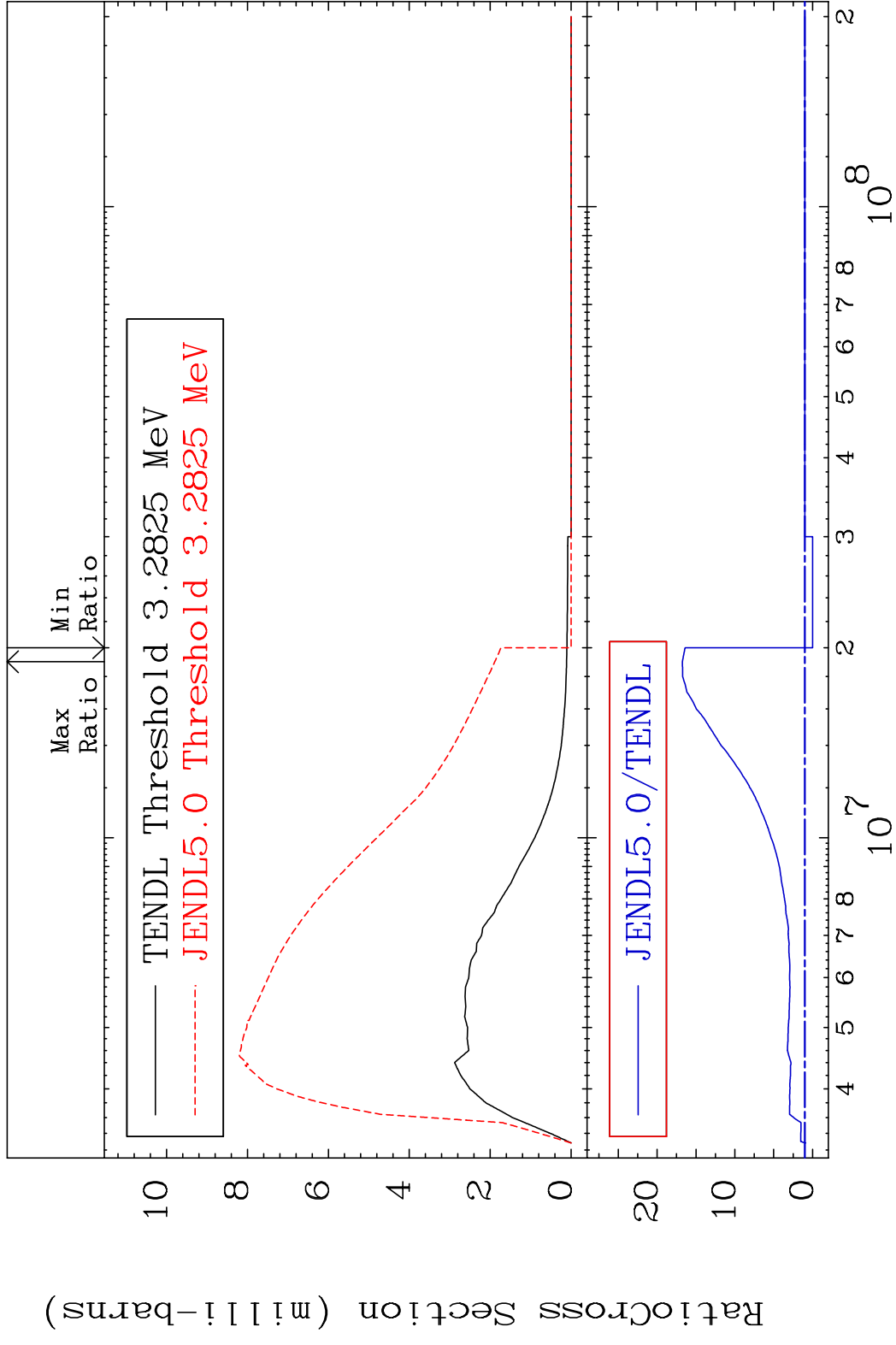
MAT 1322 MT= 63 (n, n') Level 13-A1-26
 Cross Section -100.0 To 1462. %



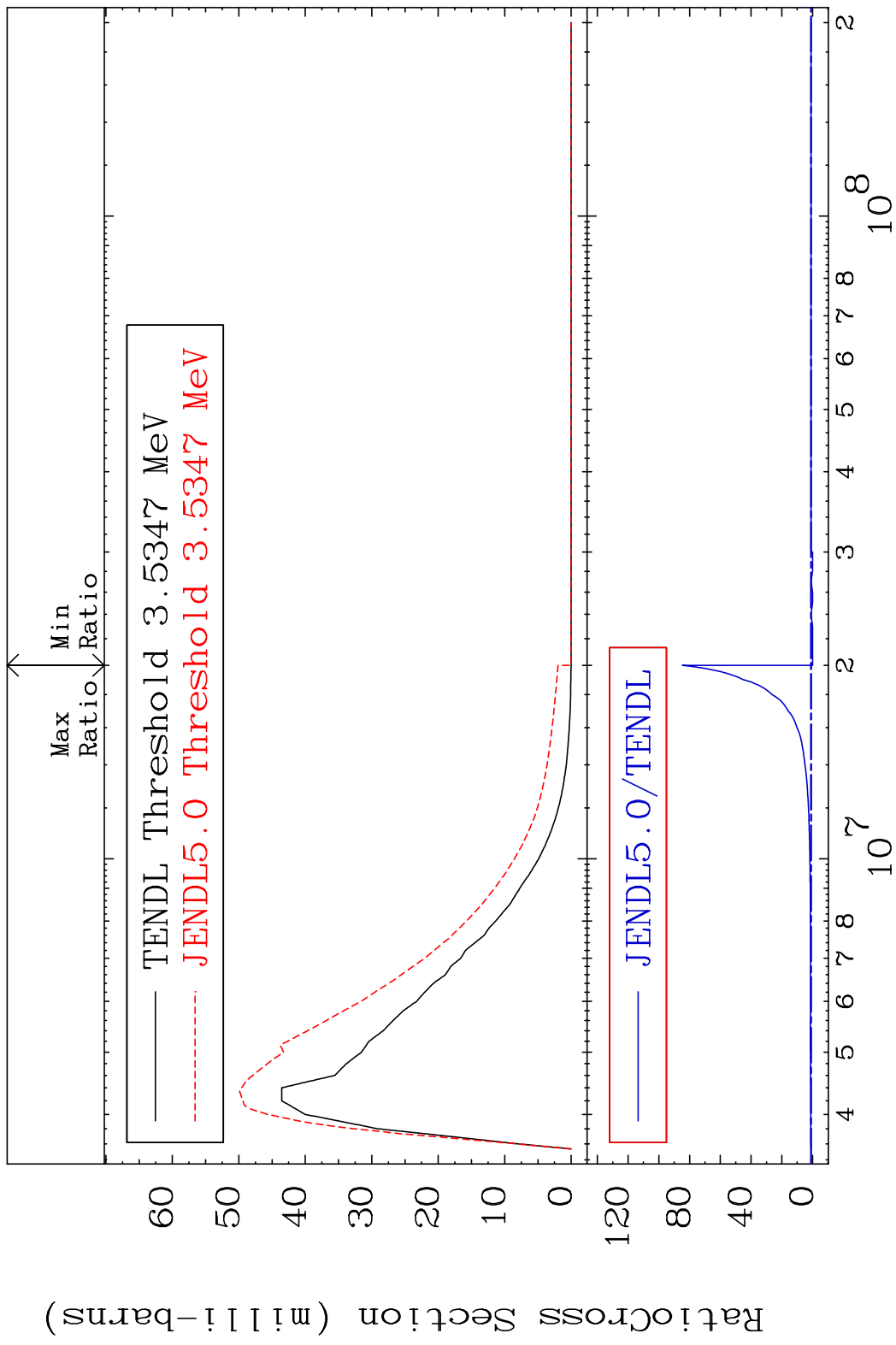
MAT 1322 MT= 64 (n, n') Level 13-Al-26
 Cross Section -100.0 To 9999. %



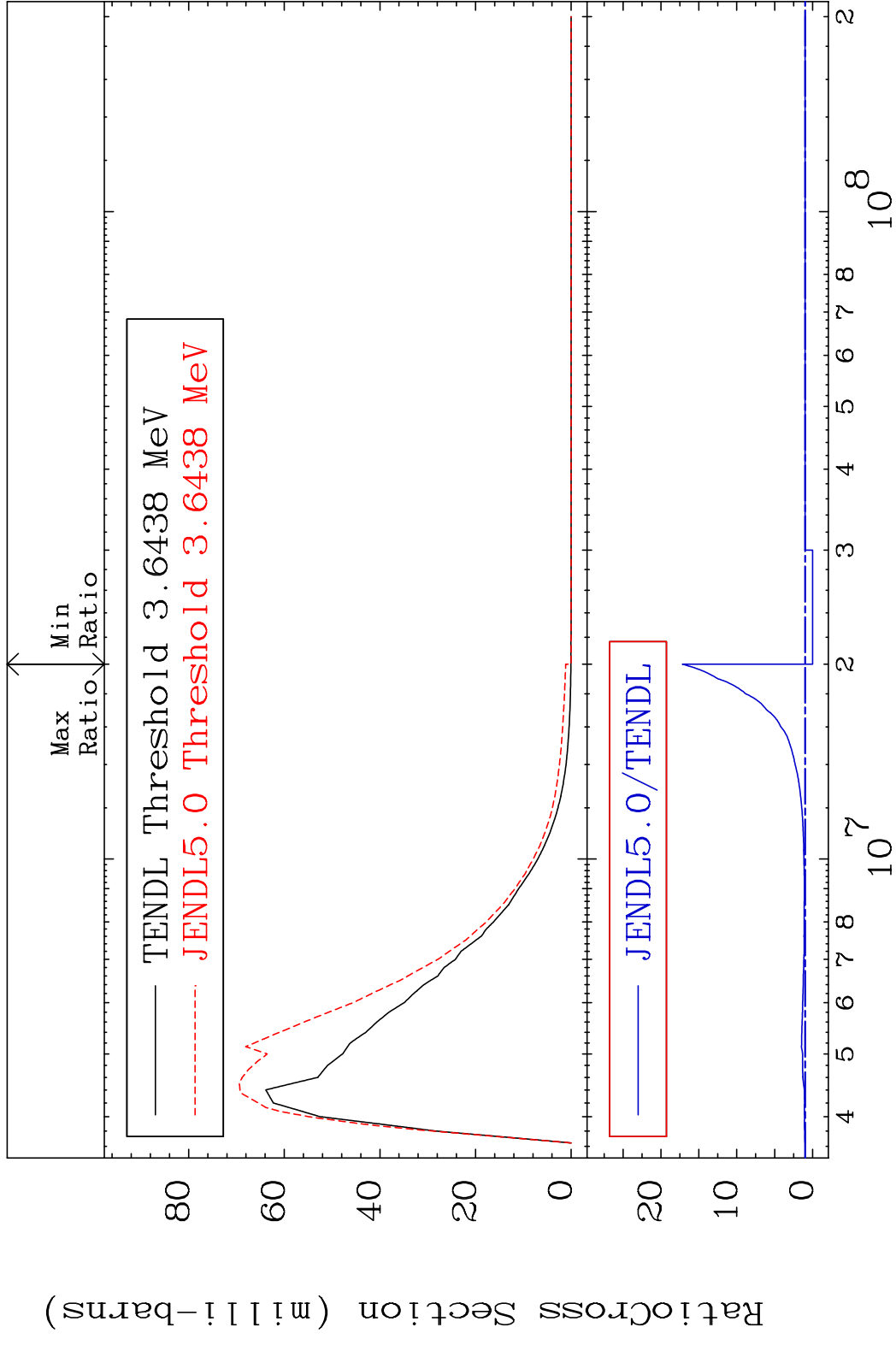
MAT 1322 MT= 65 (n, n') Level 13-Al-26
 Cross Section -100.0 To 1575. %



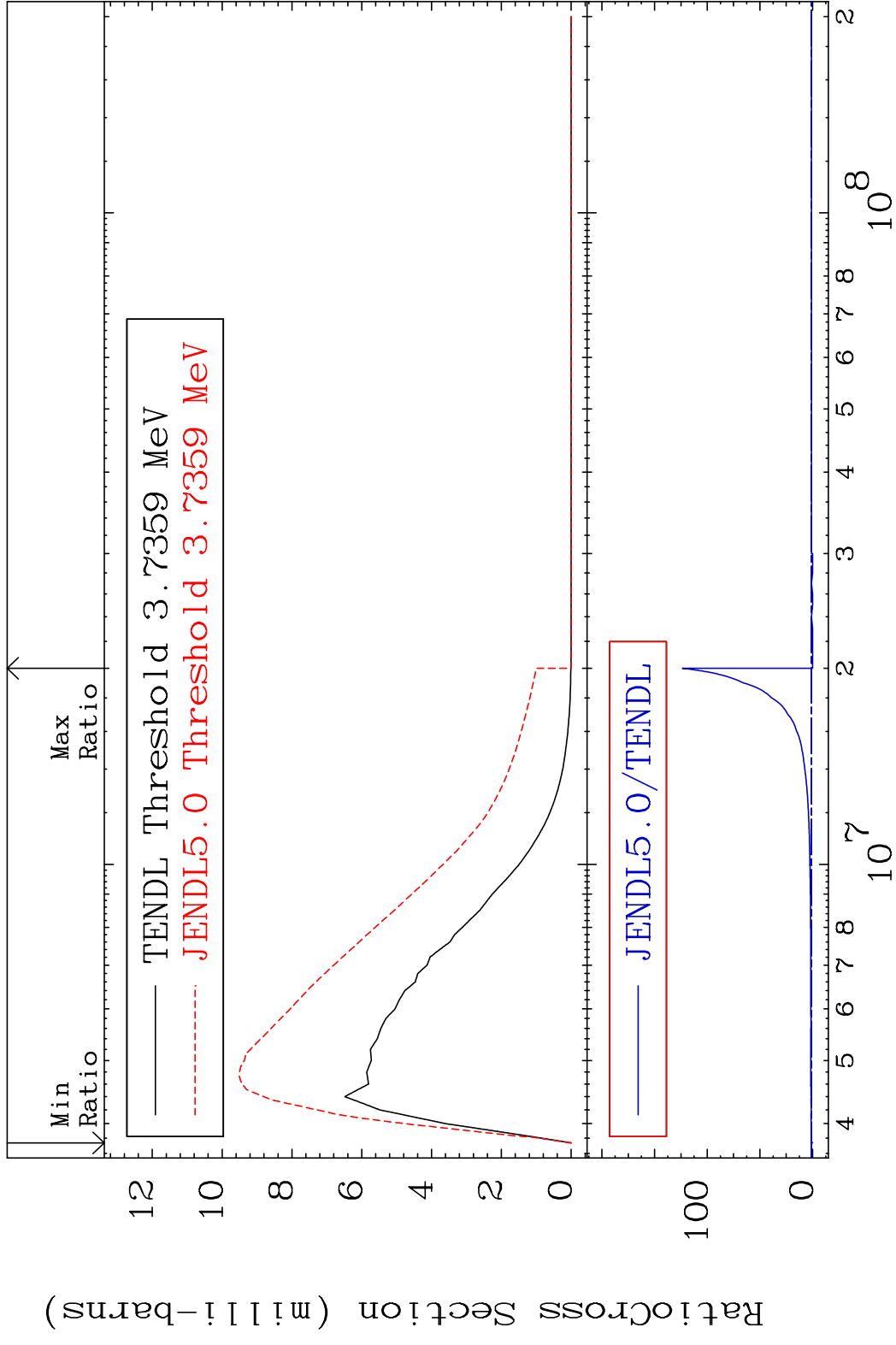
MAT 1322 MT= 66 (n, n') Level 13-Al-26
 Cross Section -100.0 To 8371. %



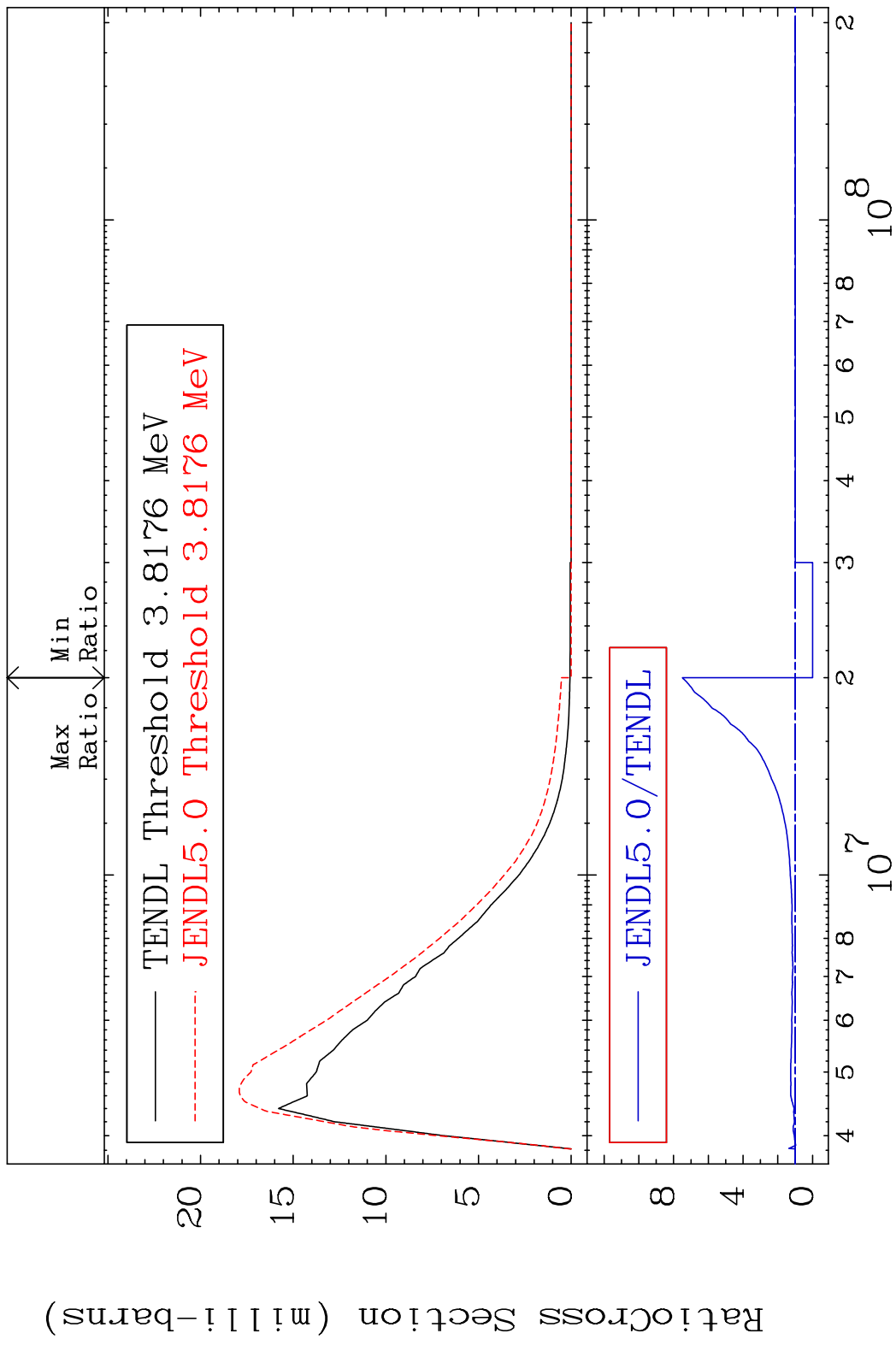
MAT 1322 MT= 67 (n, n') Level 13-Al-26
 Cross Section -100.0 To 1618. %



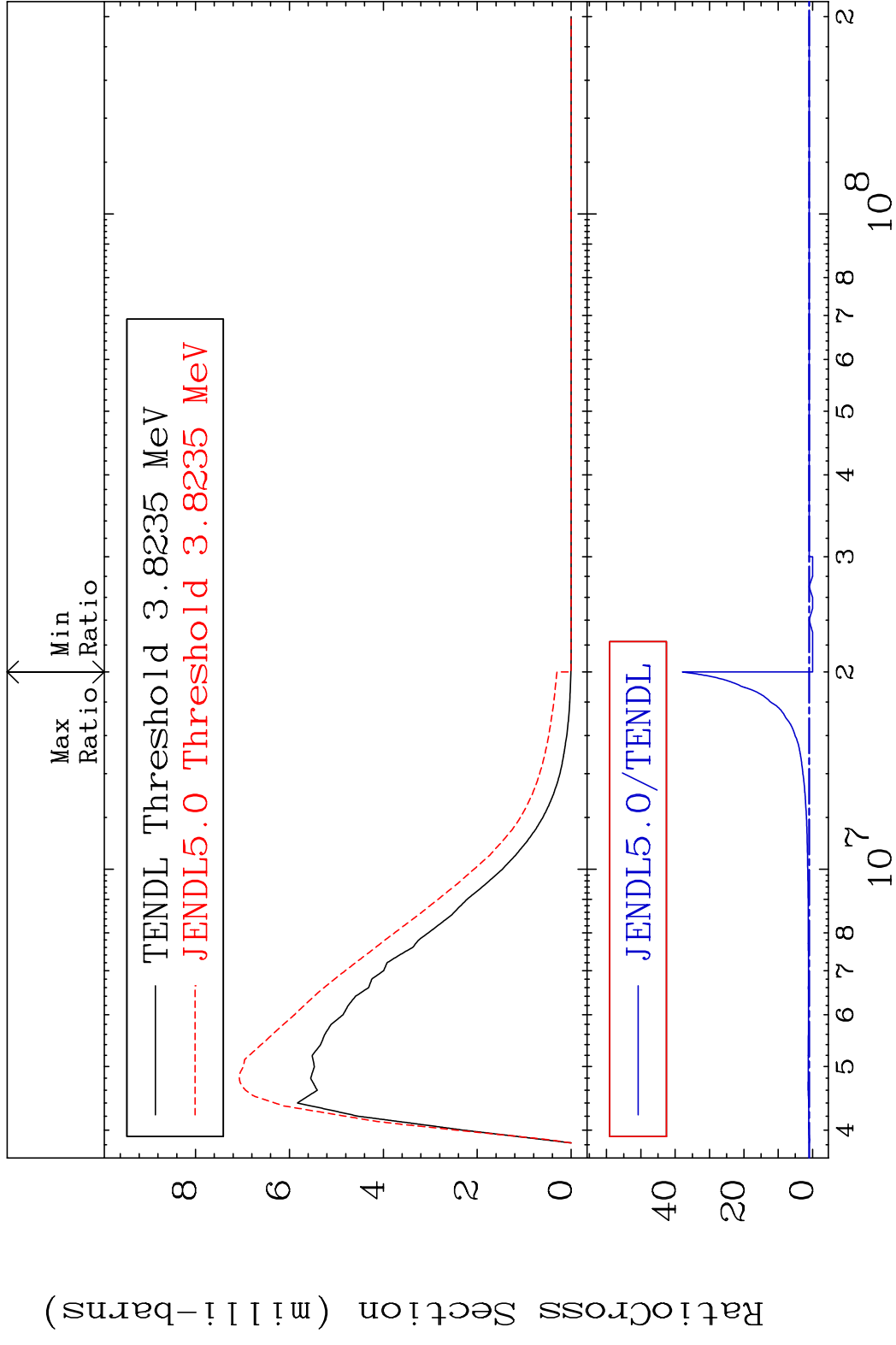
MAT 1322 MT= 68 (n,n') Level 13-Al-26
 Cross Section -100.0 To 9999. %



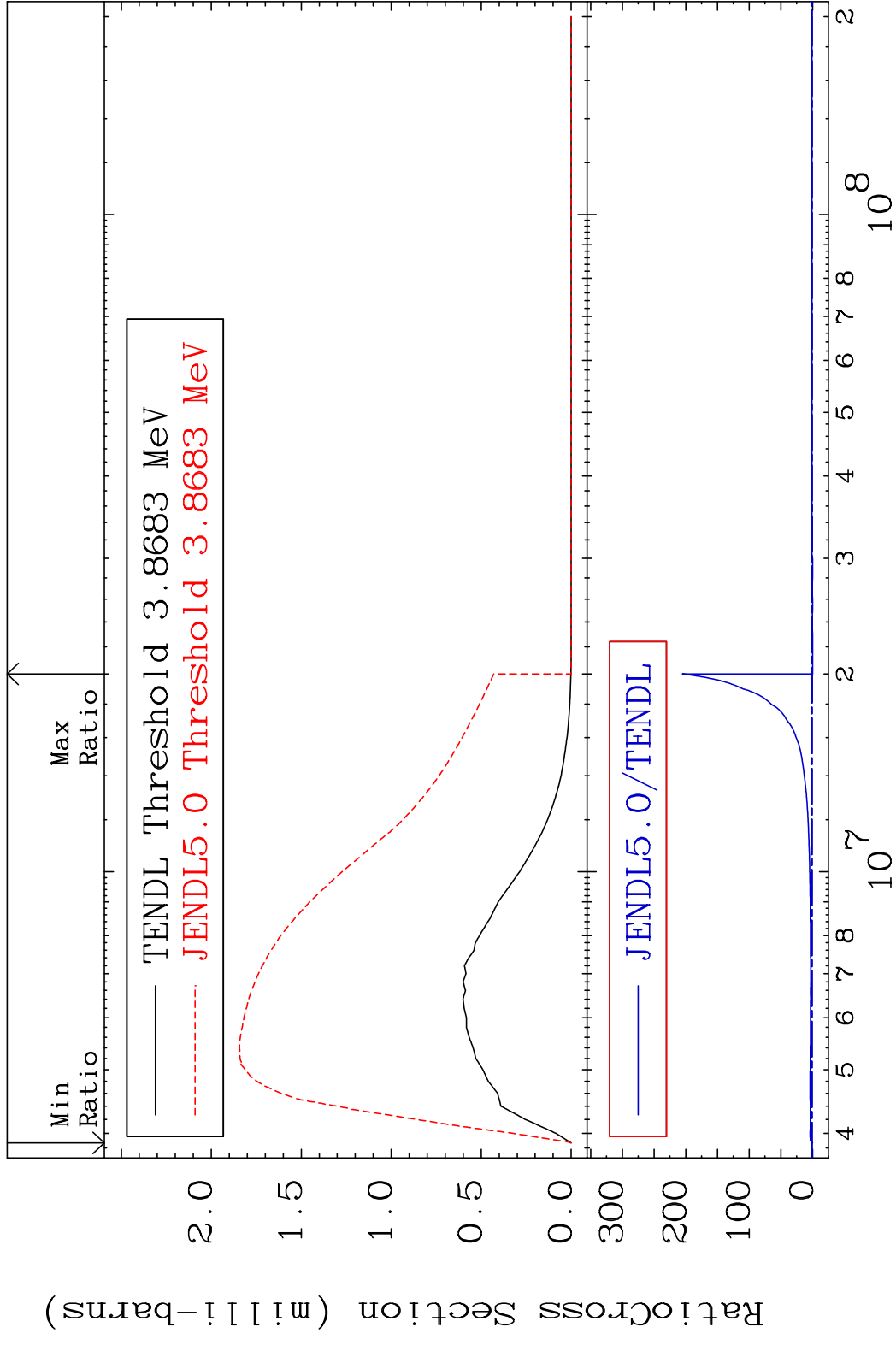
MAT 1322 MT= 69 (n, n') Level 13-Al-26
 Cross Section -100.0 To 649.5 %



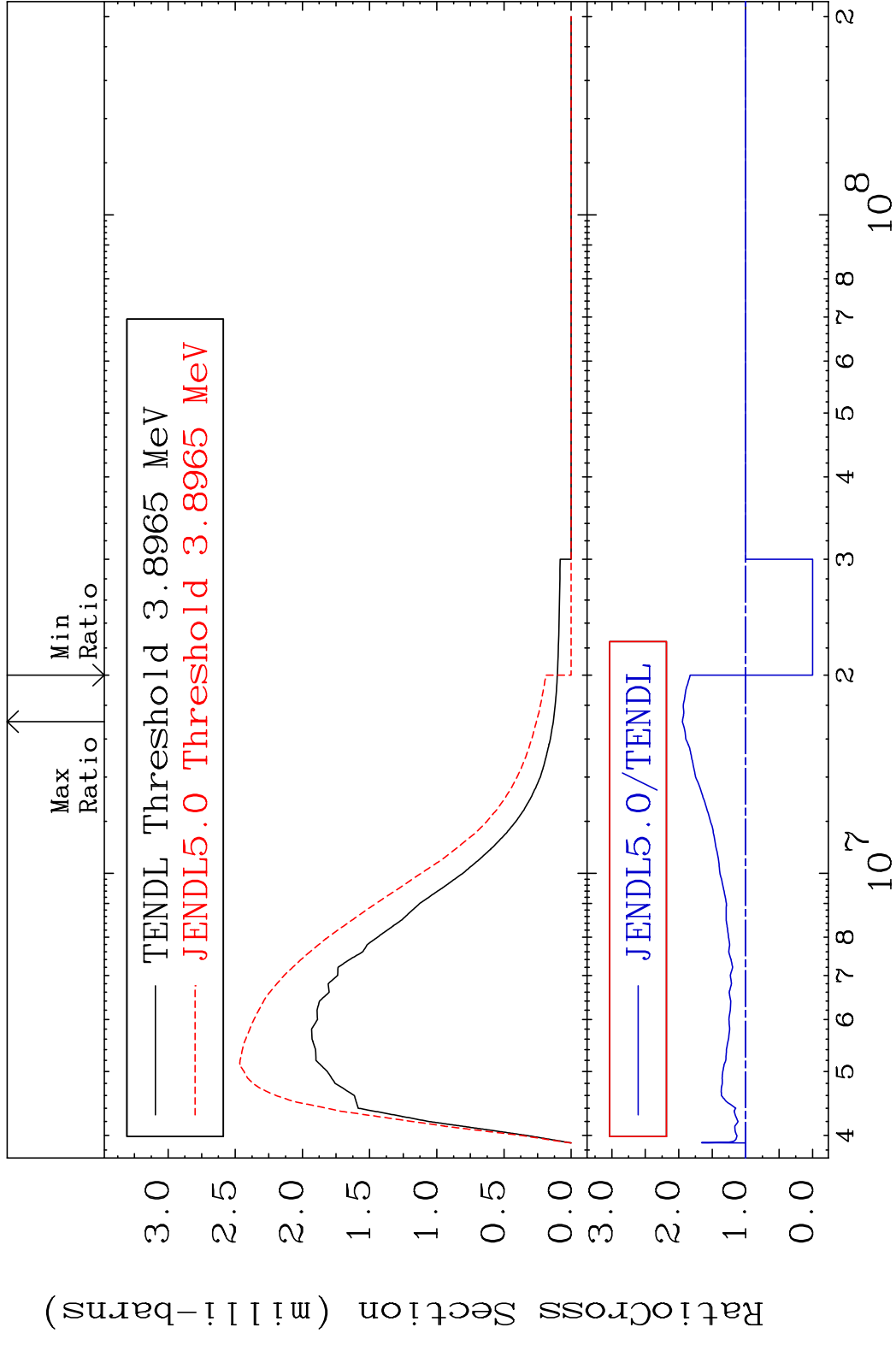
MAT 1322 MT= 70 (n, n') Level 13-Al-26
 Cross Section -100.0 To 3691. %



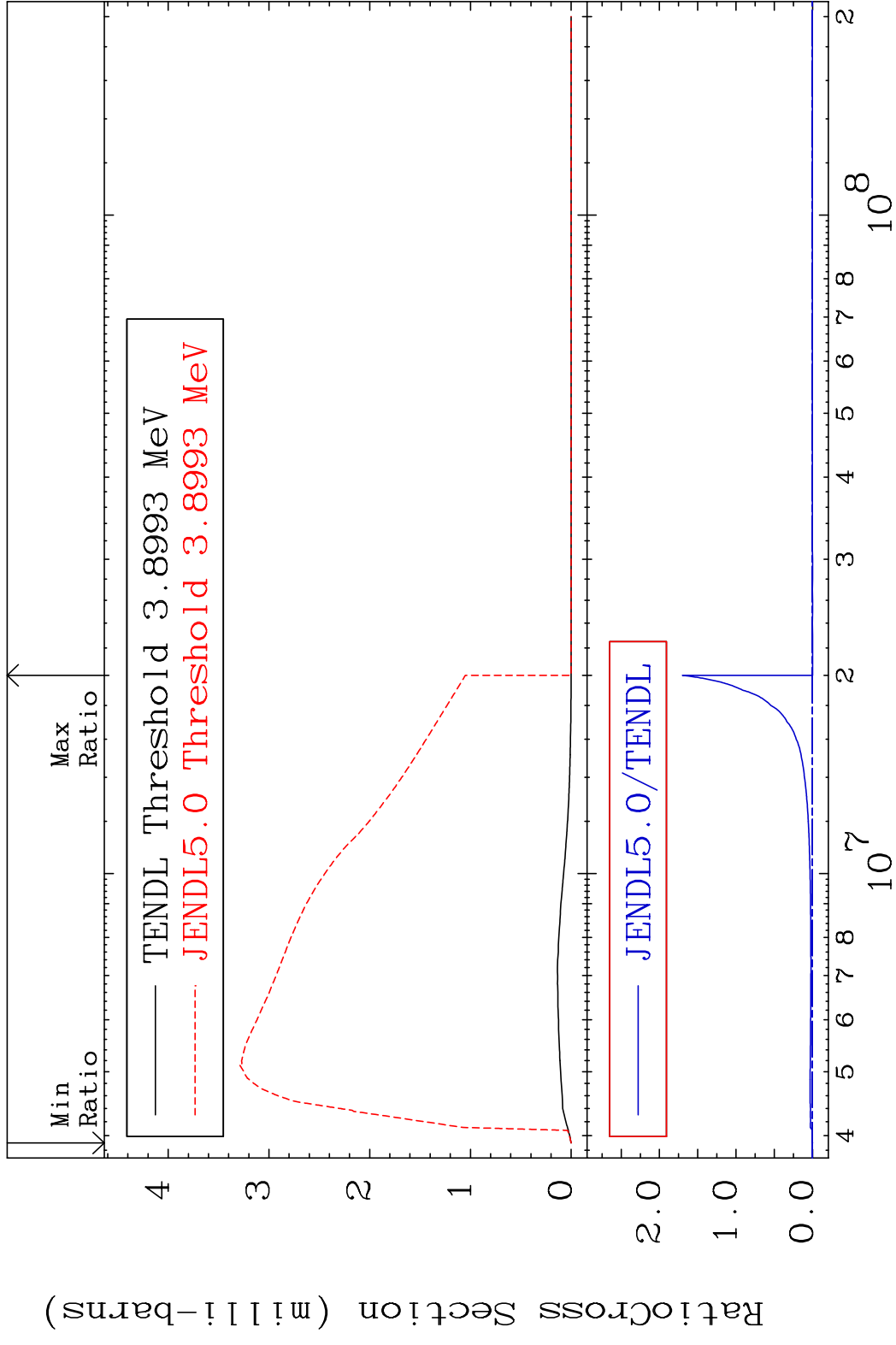
MAT 1322 MT= 71 (n,n') Level 13-Al-26
 Cross Section -100.0 To 9999. %



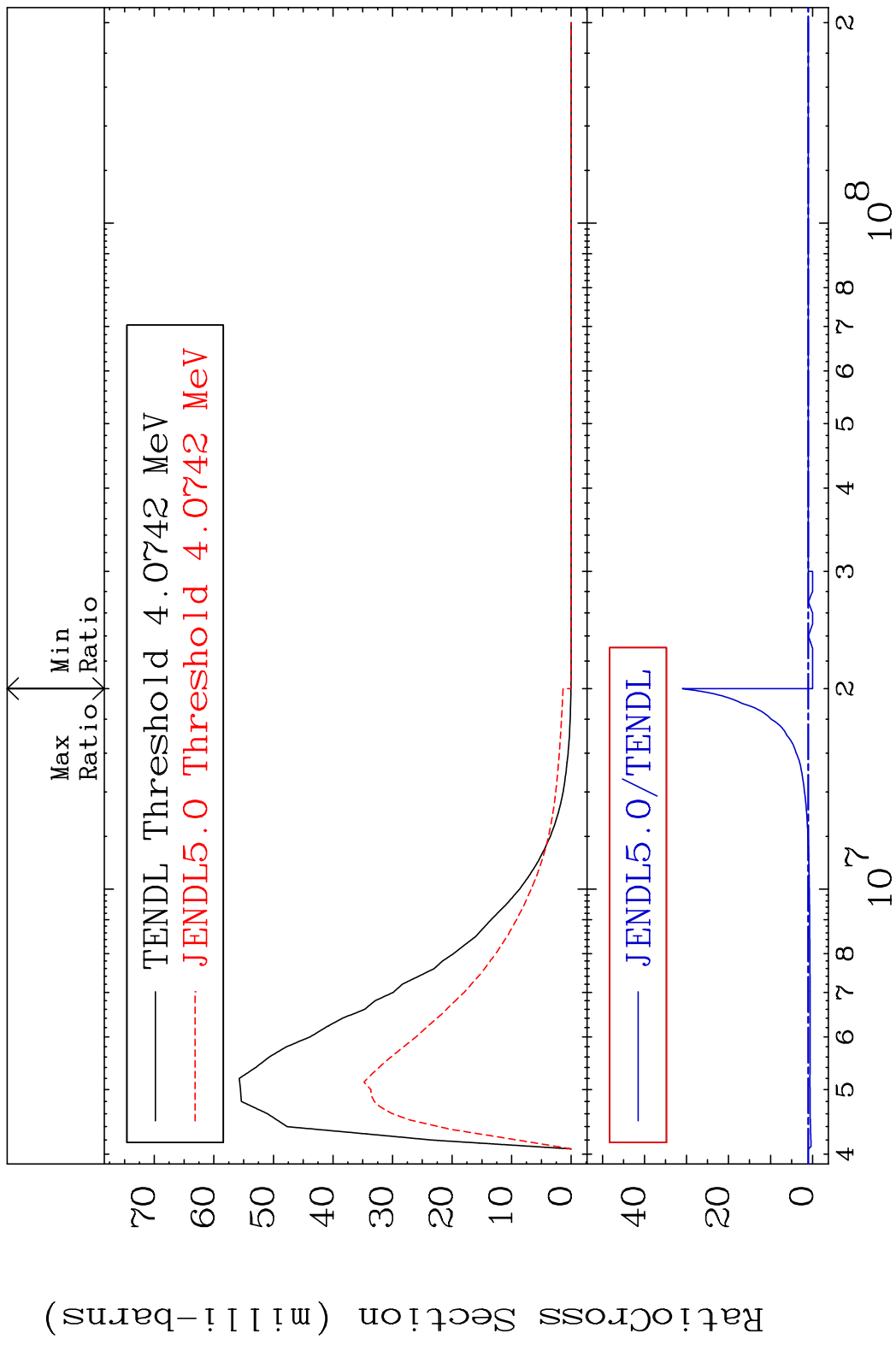
MAT 1322 MT= 72 (n, n') Level 13-A1-26
 Cross Section -100.0 To 94.59 %



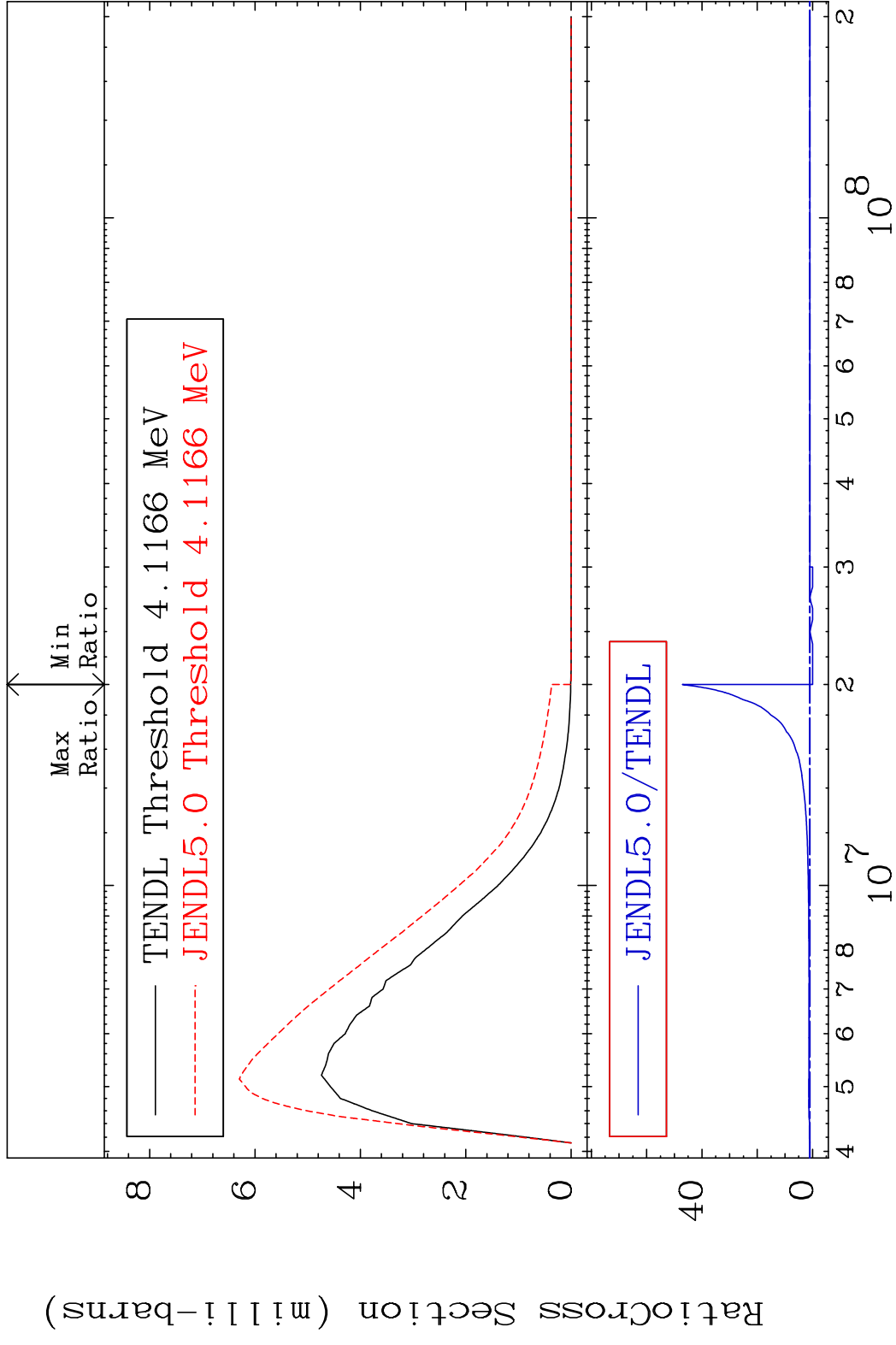
MAT 1322 MT= 73 (n, n') Level 13-Al-26
 Cross Section -100.0 To 9999. %



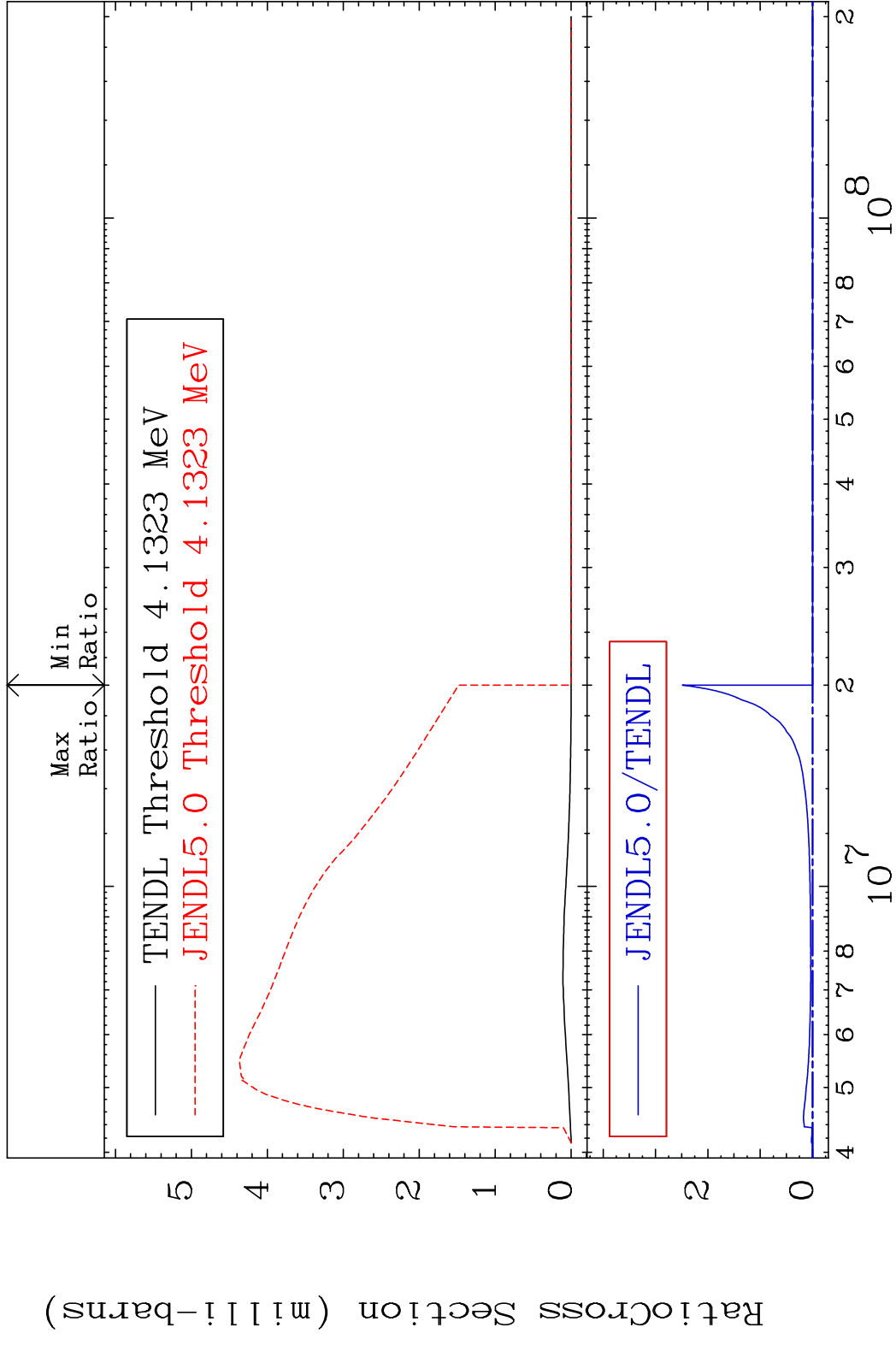
MAT 1322 MT= 74 (n,n') Level 13-A1-26
 Cross Section -100.0 To 2999. %



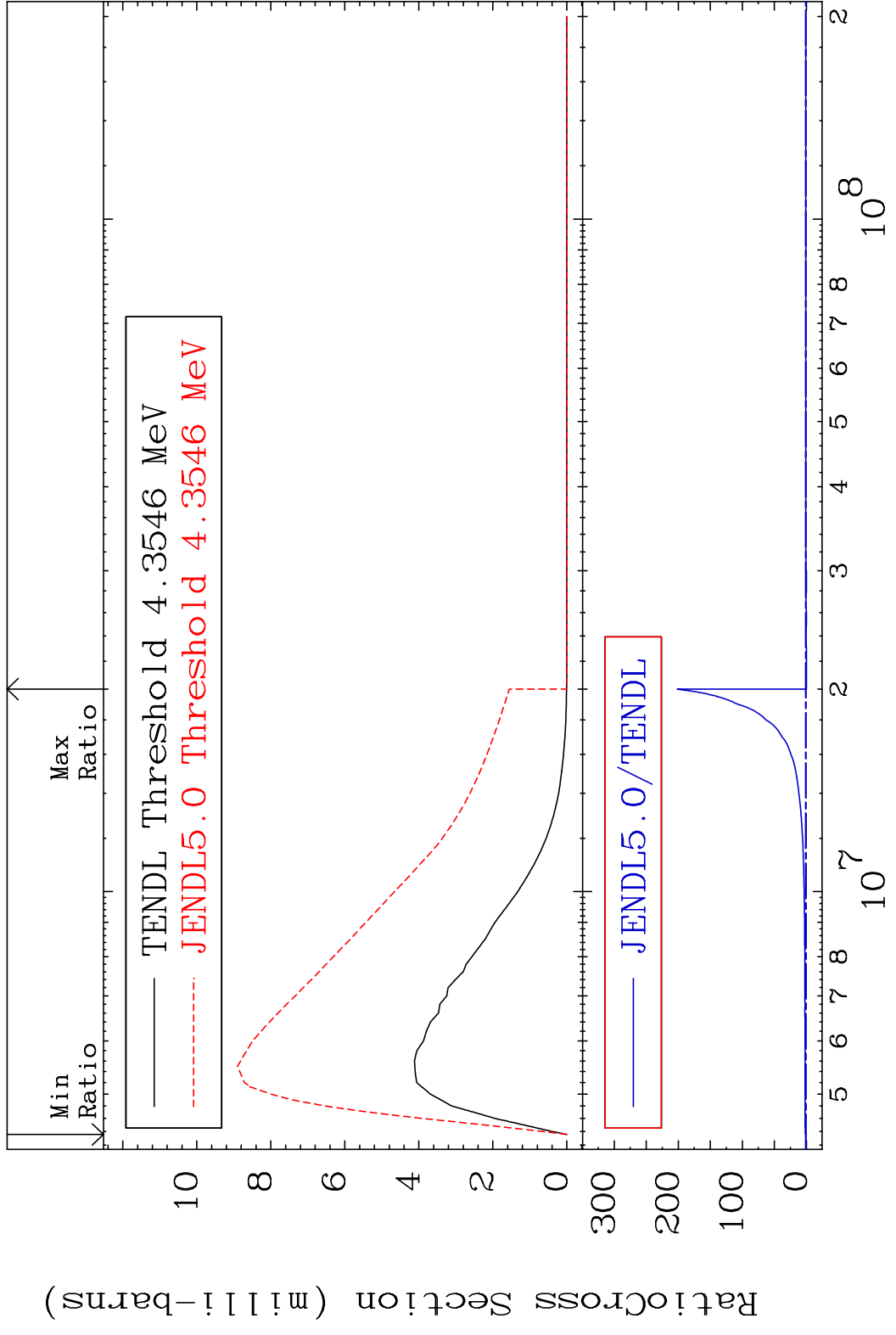
MAT 1322 MT= 75 (n, n') Level 13-A1-26
 Cross Section -100.0 To 4609. %



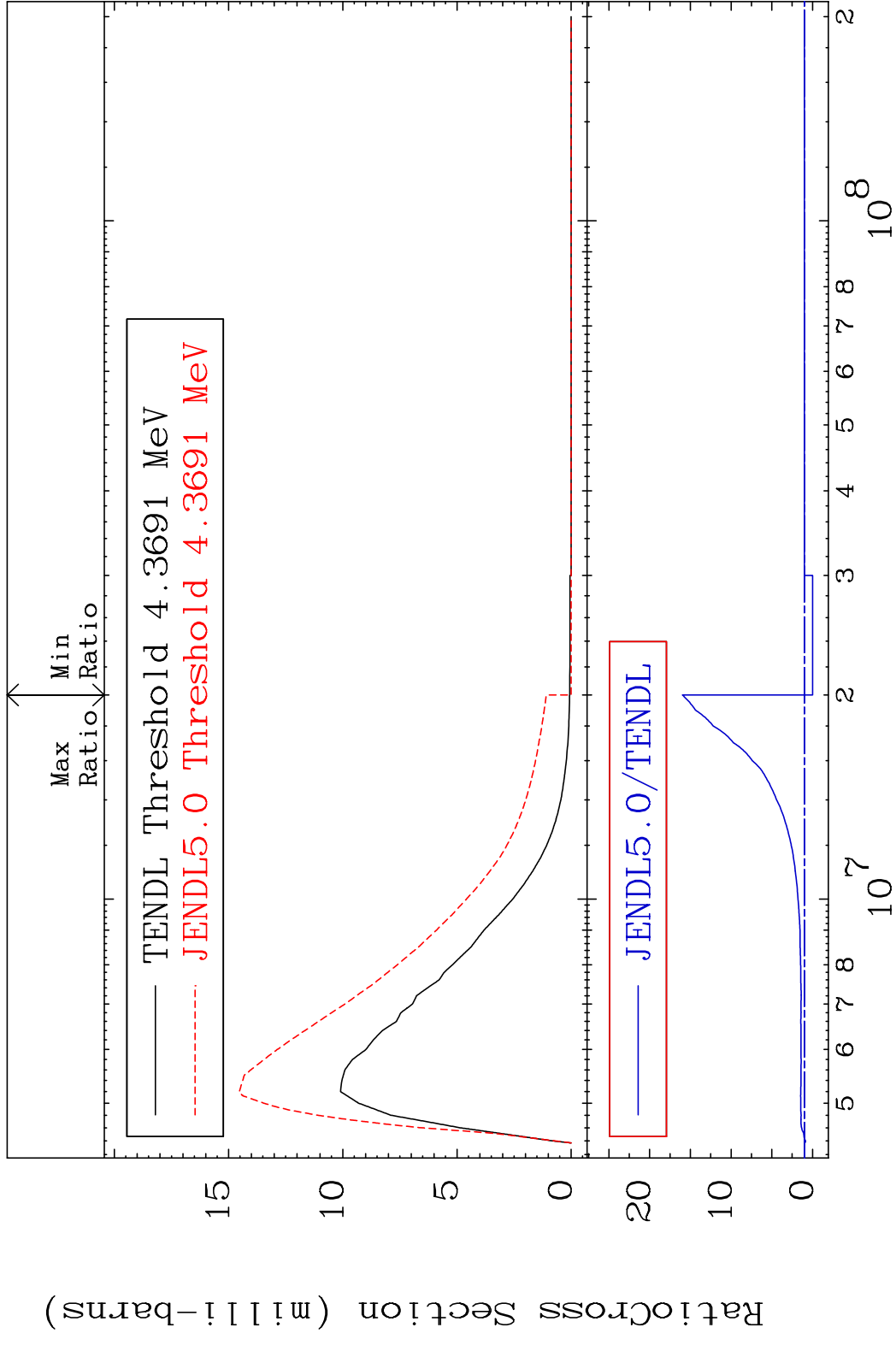
MAT 1322 MT= 76 (n,n') Level 13-Al-26
 Cross Section -100.0 To 9999. %

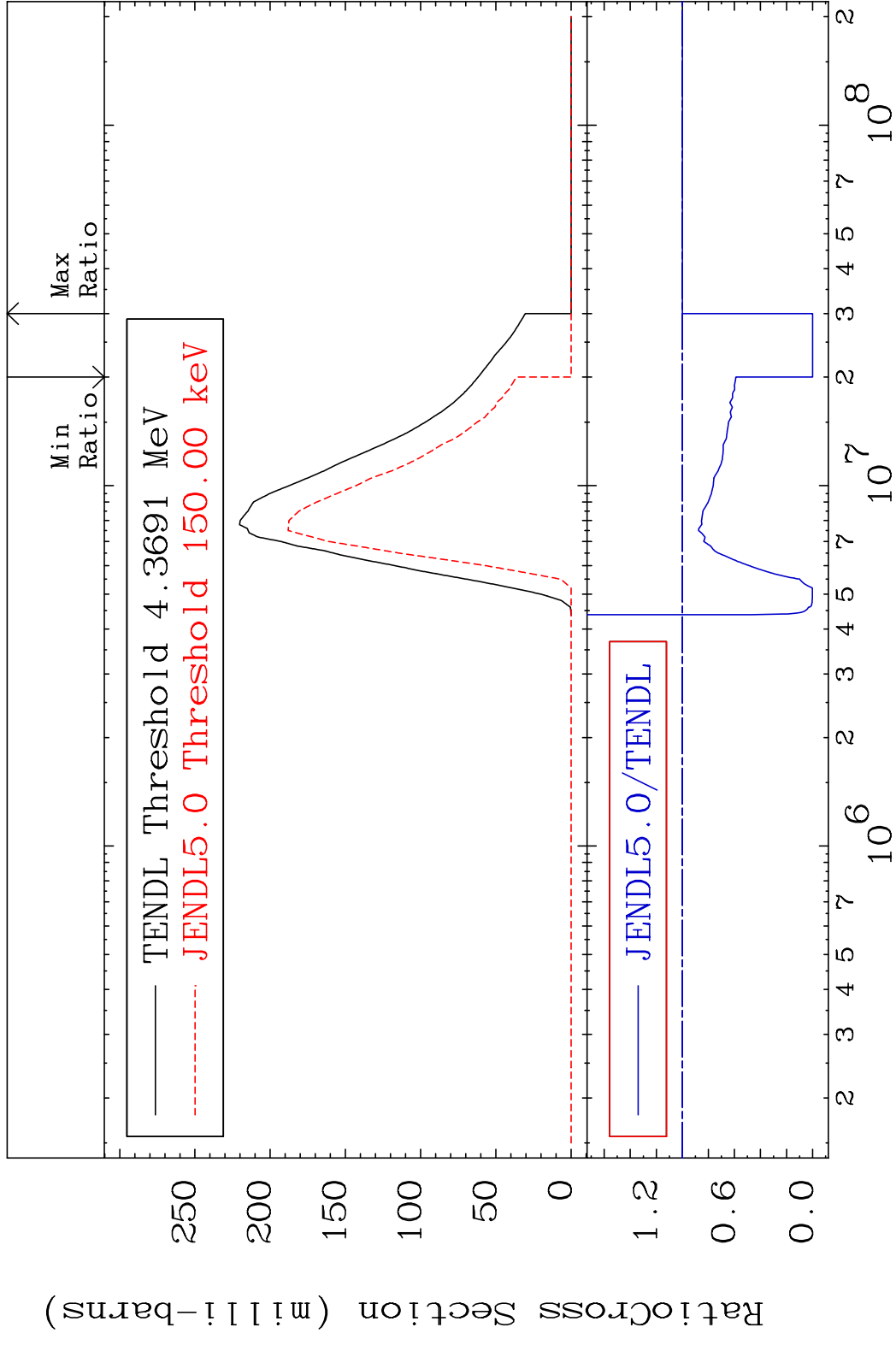


MAT 1322 MT= 77 (n,n') Level 13-A1-26
 Cross Section -100.0 To 9999. %



MAT 1322 MT= 78 (n, n') Level 13-Al-26
 Cross Section -100.0 To 1498. %



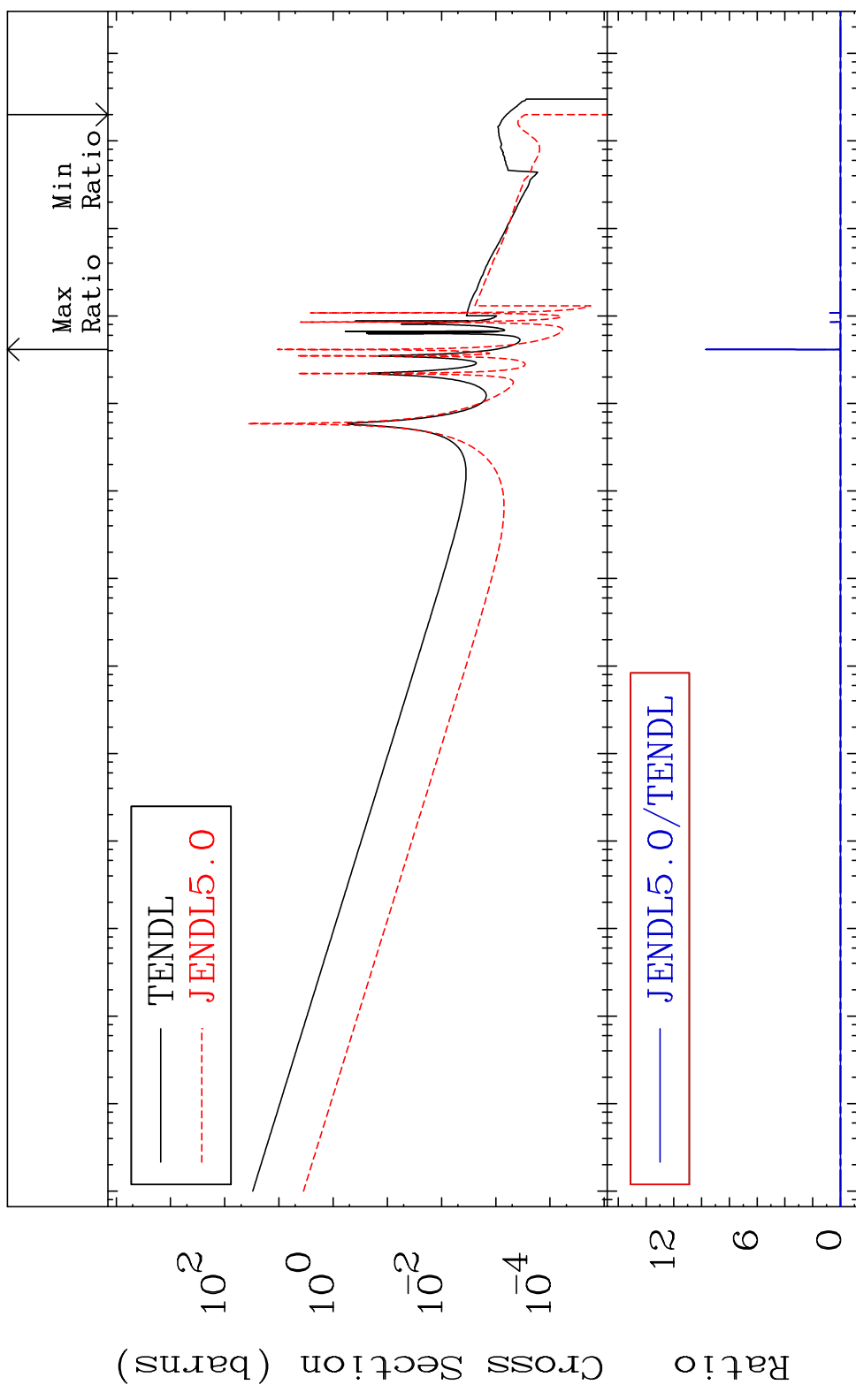


MAT 1322

(n, γ)

13-Al-26

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

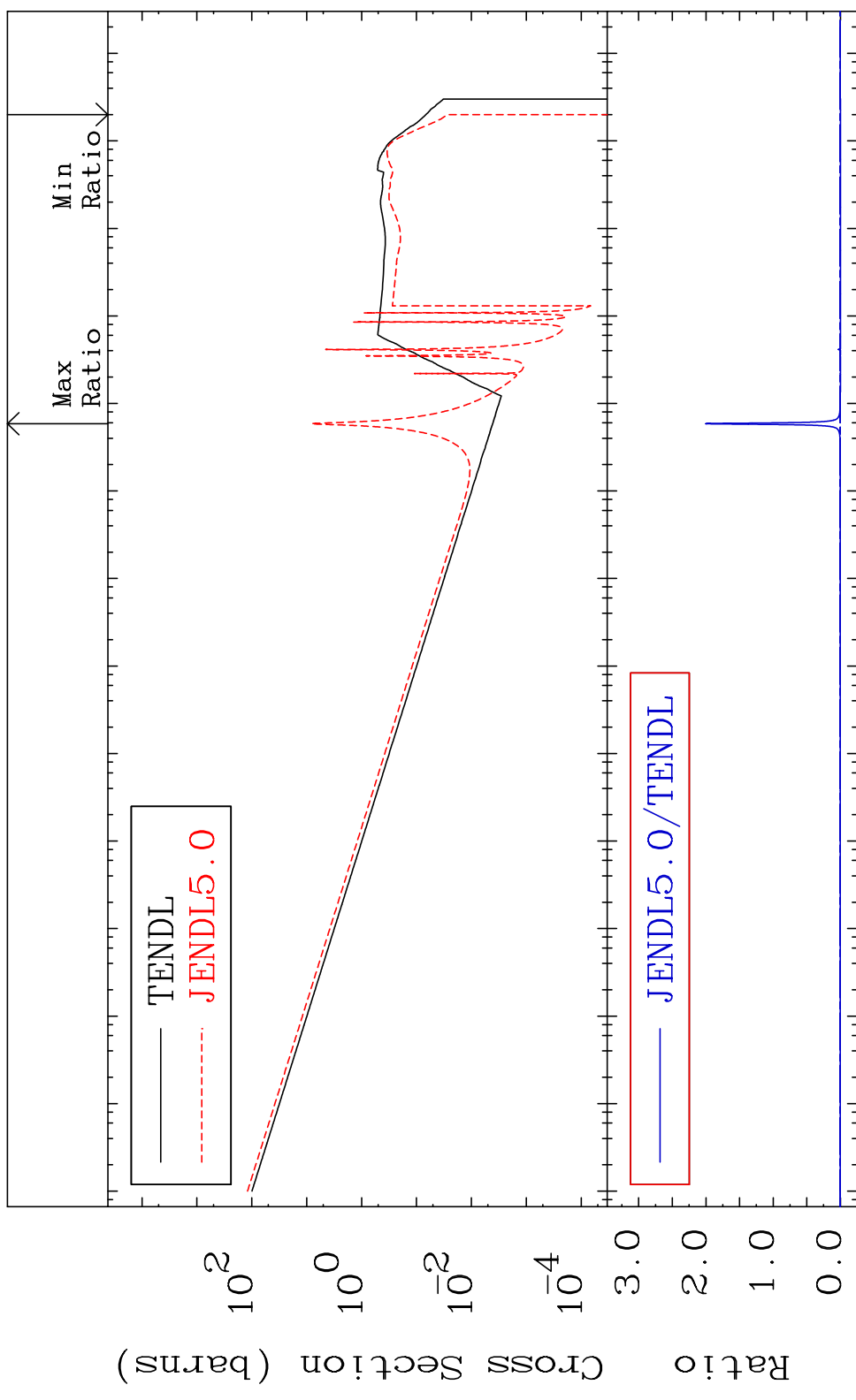
13-Al-26

MAT 1322

(n, p)

13-Al-26

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

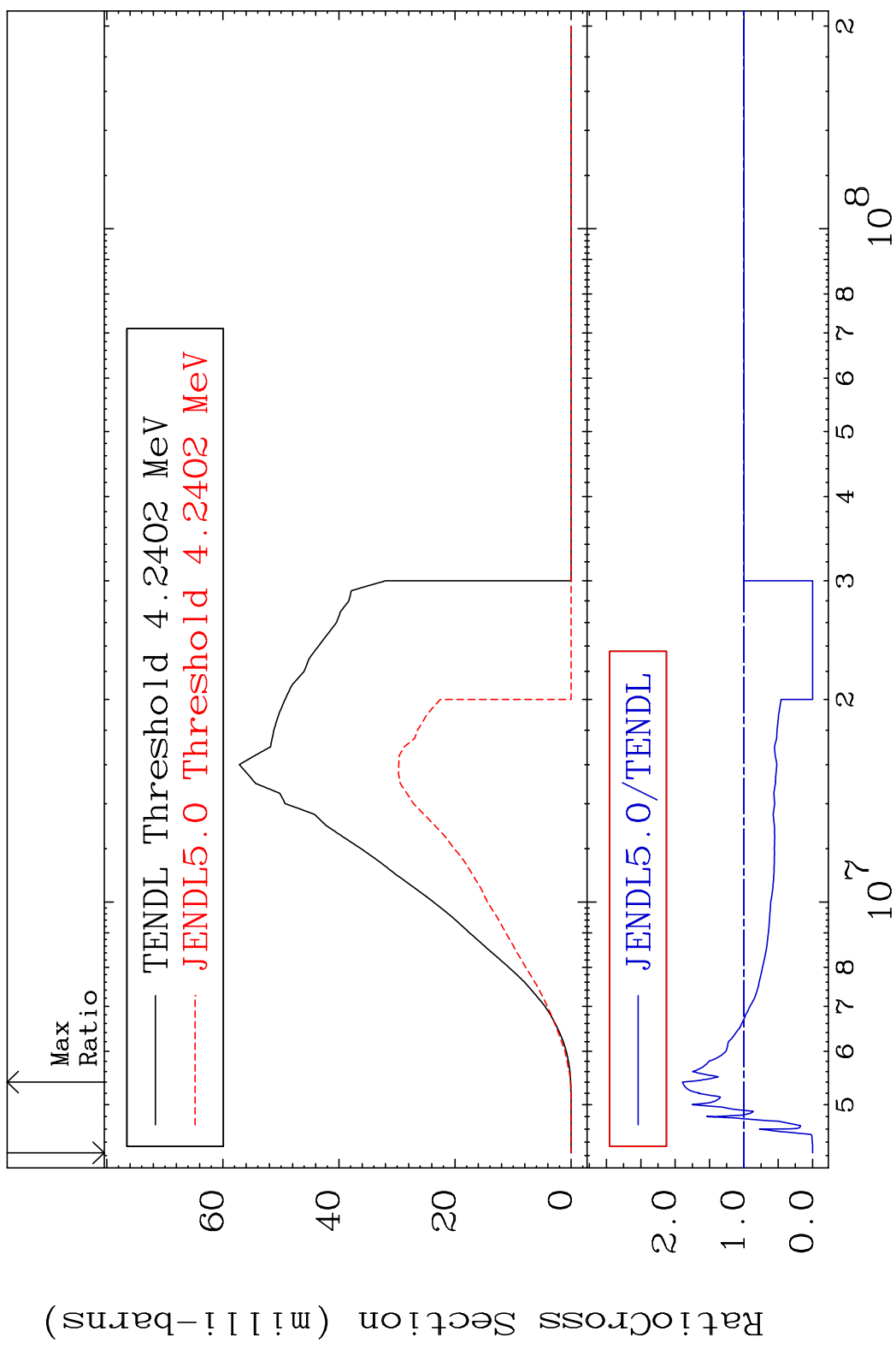
13-Al-26

MAT 1322

(n, d)

13-A1-26

Cross Section -100.0 To 89.52 %



41

Incident Energy (eV)

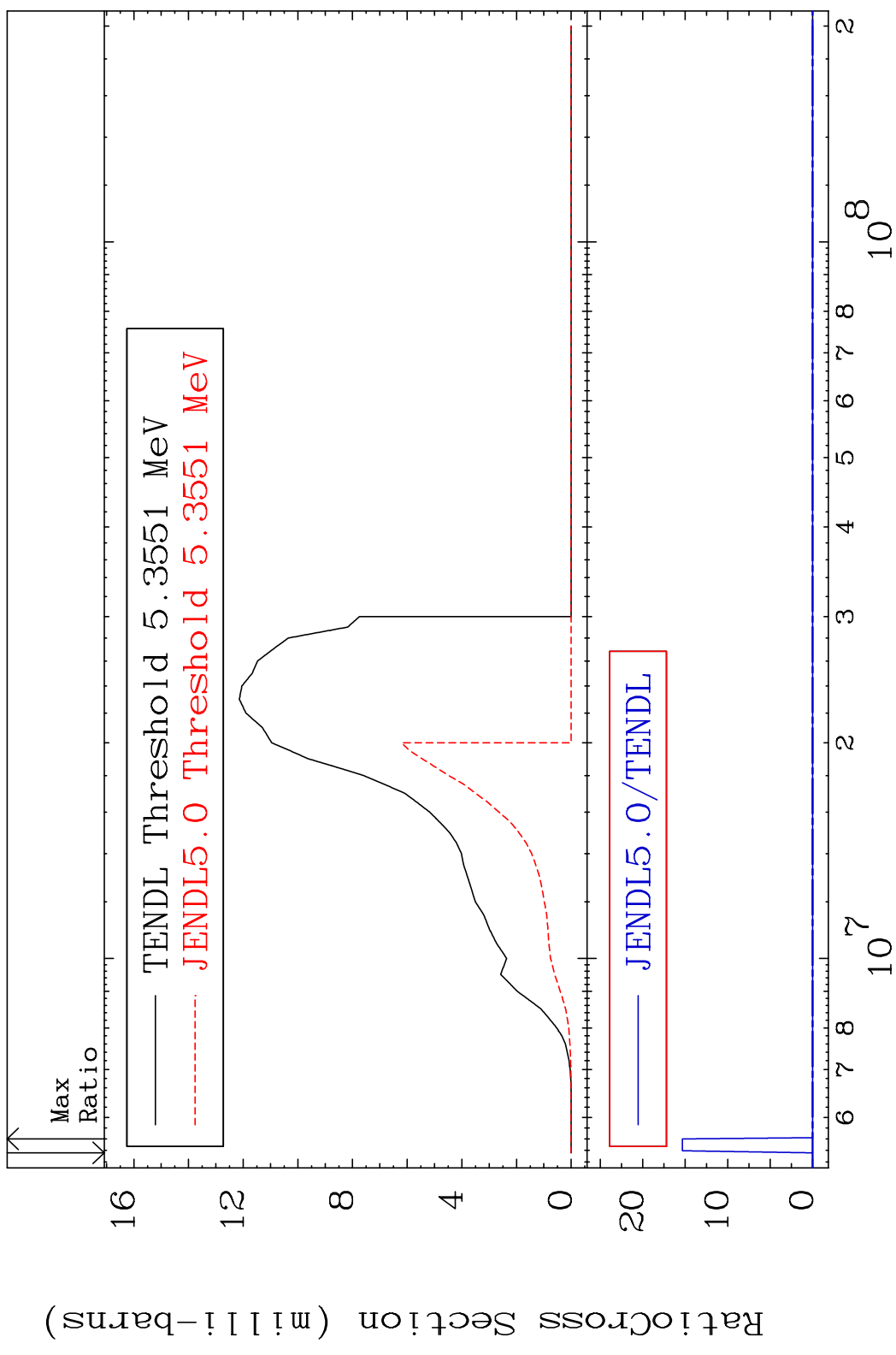
13-A1-26

MAT 1322

(n, t)

13-A1-26

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

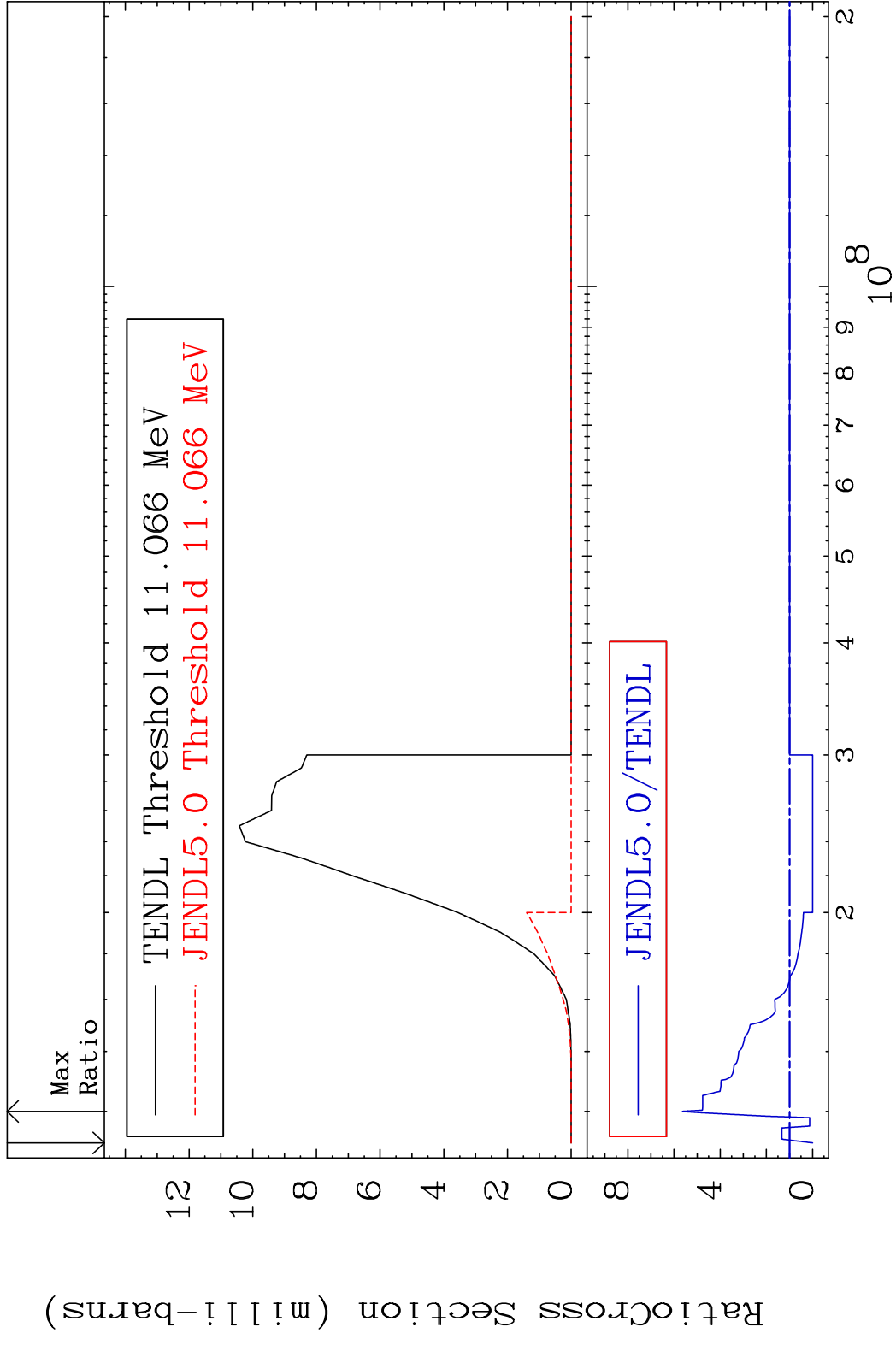
13-A1-26

MAT 1322

(n, He-3)

13-A1-26

Cross Section -100.0 To 463.9 %

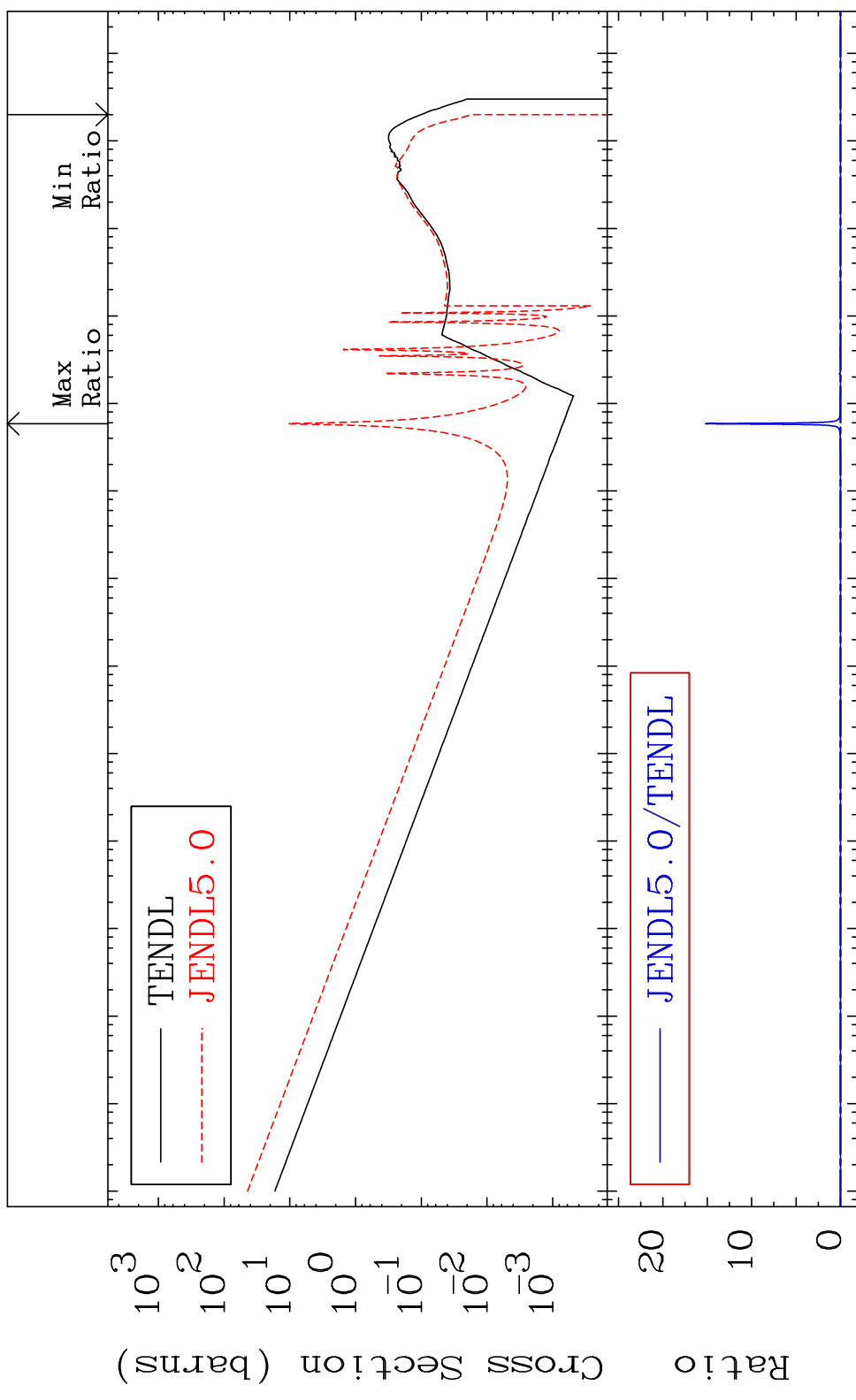


MAT 1322

(n, α)

13-Al-26

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

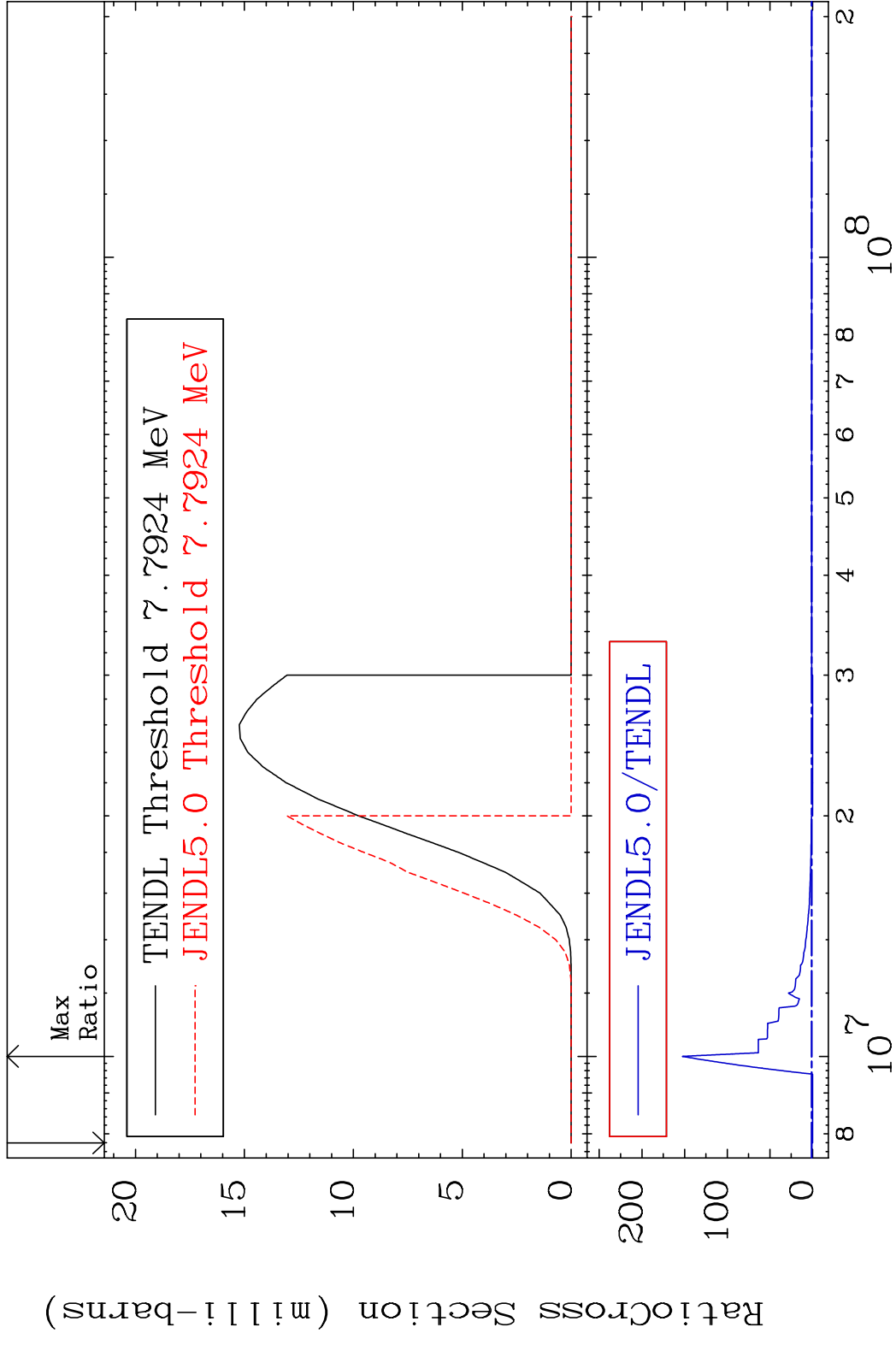
13-Al-26

MAT 1322

(n,2α)

13-A1-26

Cross Section -100.0 To 9999. %

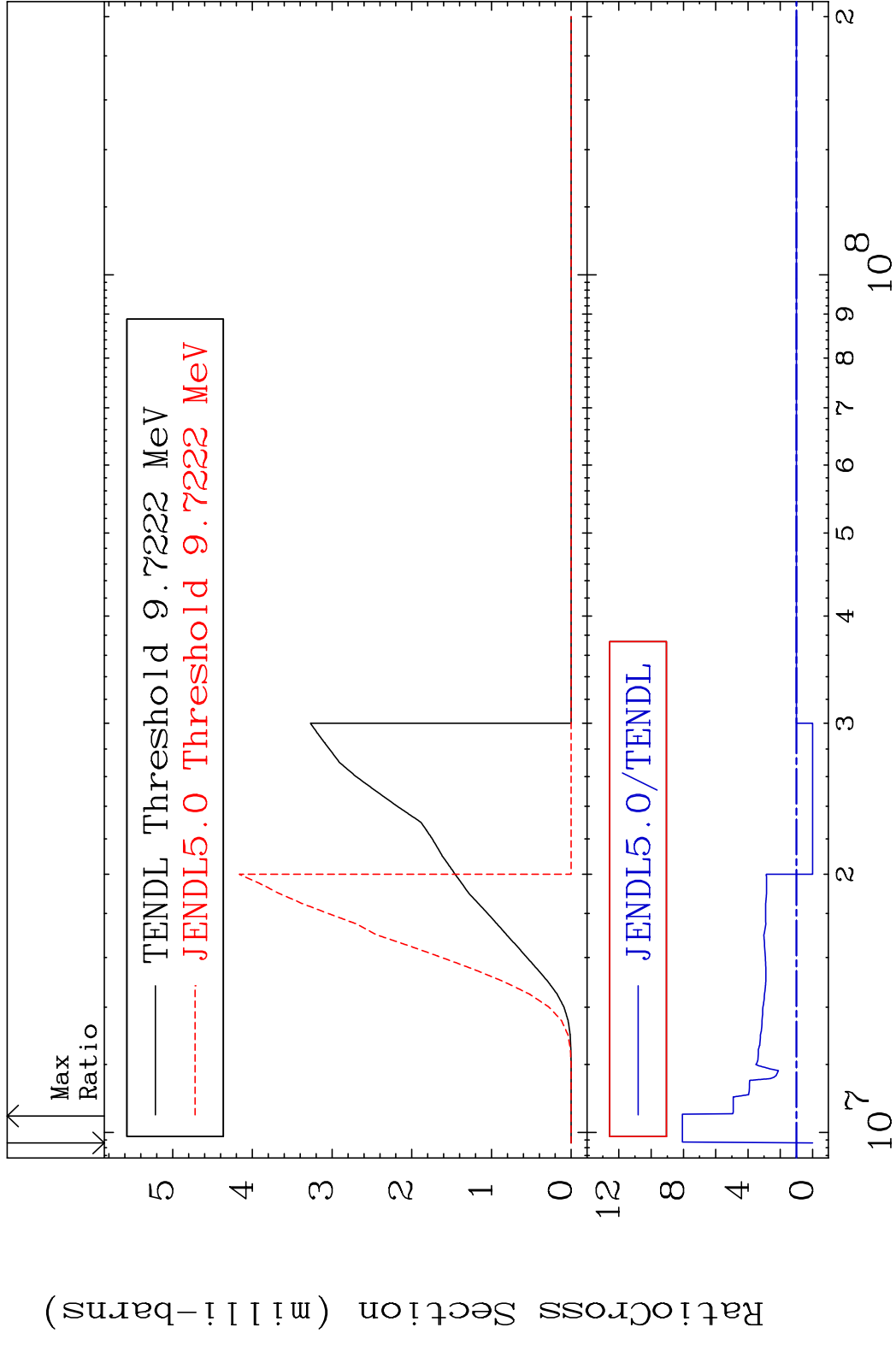


45

Incident Energy (eV)

13-A1-26

MAT 1322 (n,2p) 13-Al-26
 Cross Section -100.0 To 706.7 %



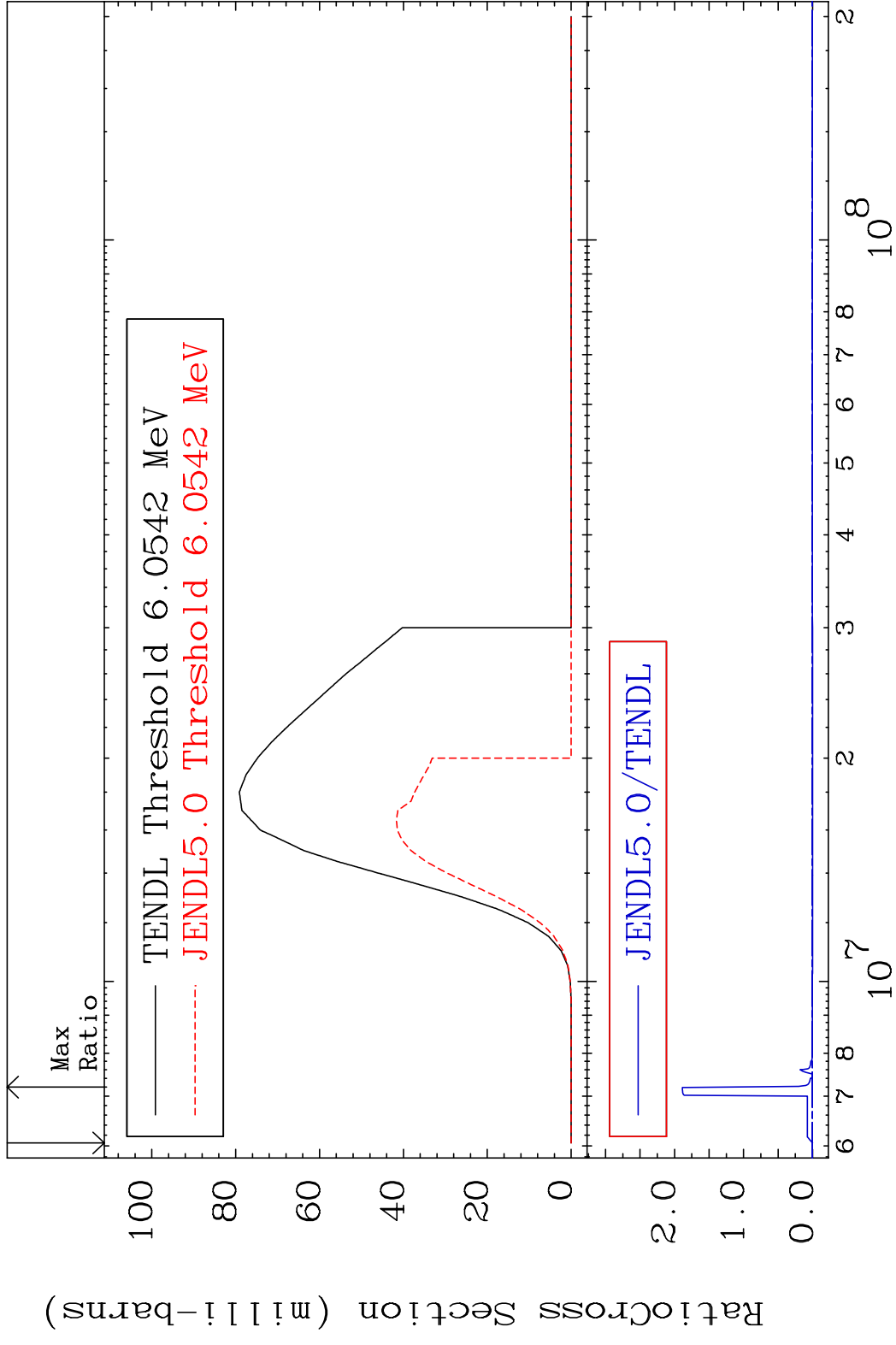
46 13-Al-26

MAT 1322

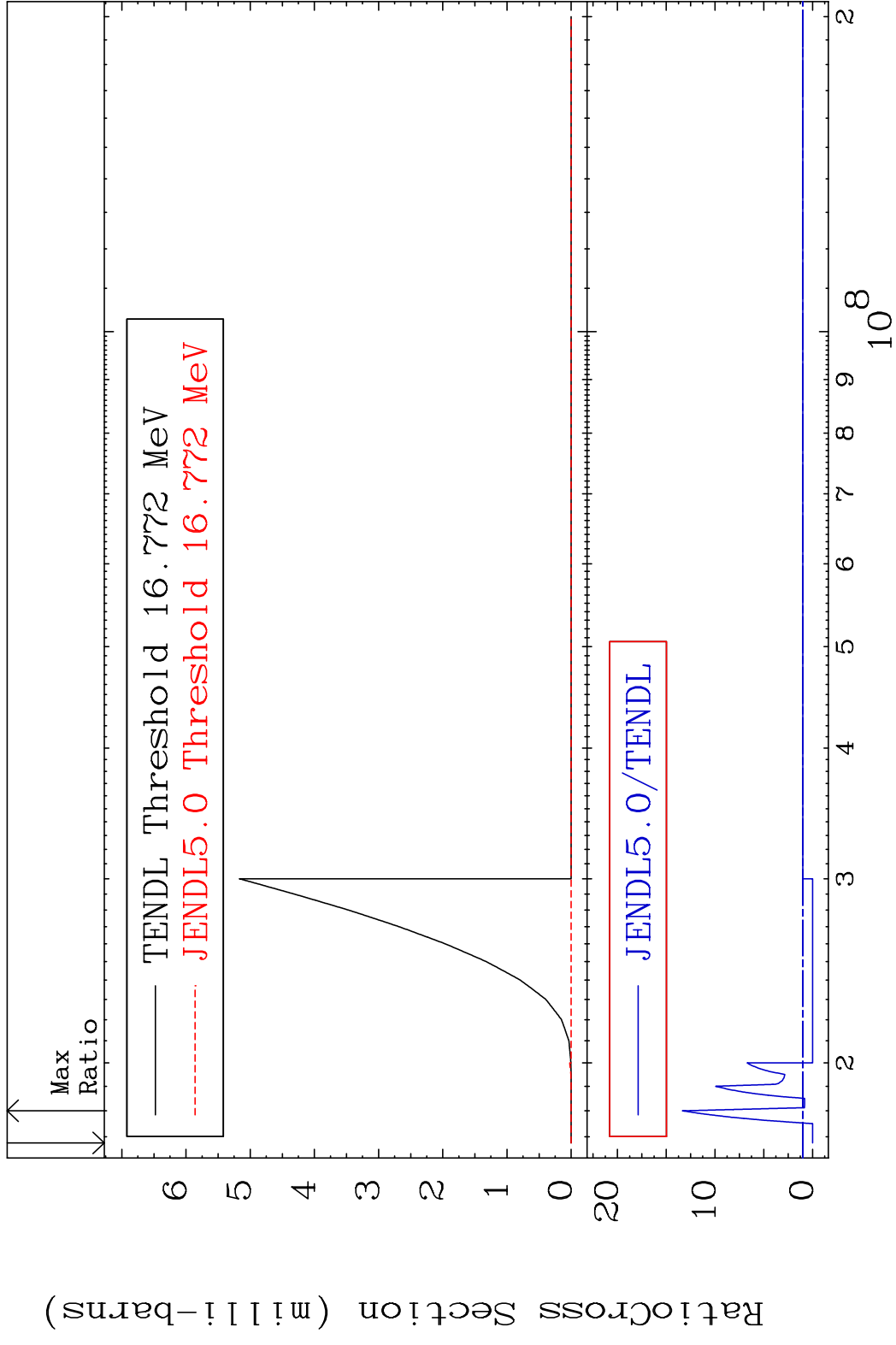
(n,p) α

13-A1-26

Cross Section -100.0 To 9999. %



MAT 1322 (n,p) d 13-Al-26
 Cross Section -100.0 To 1235. %

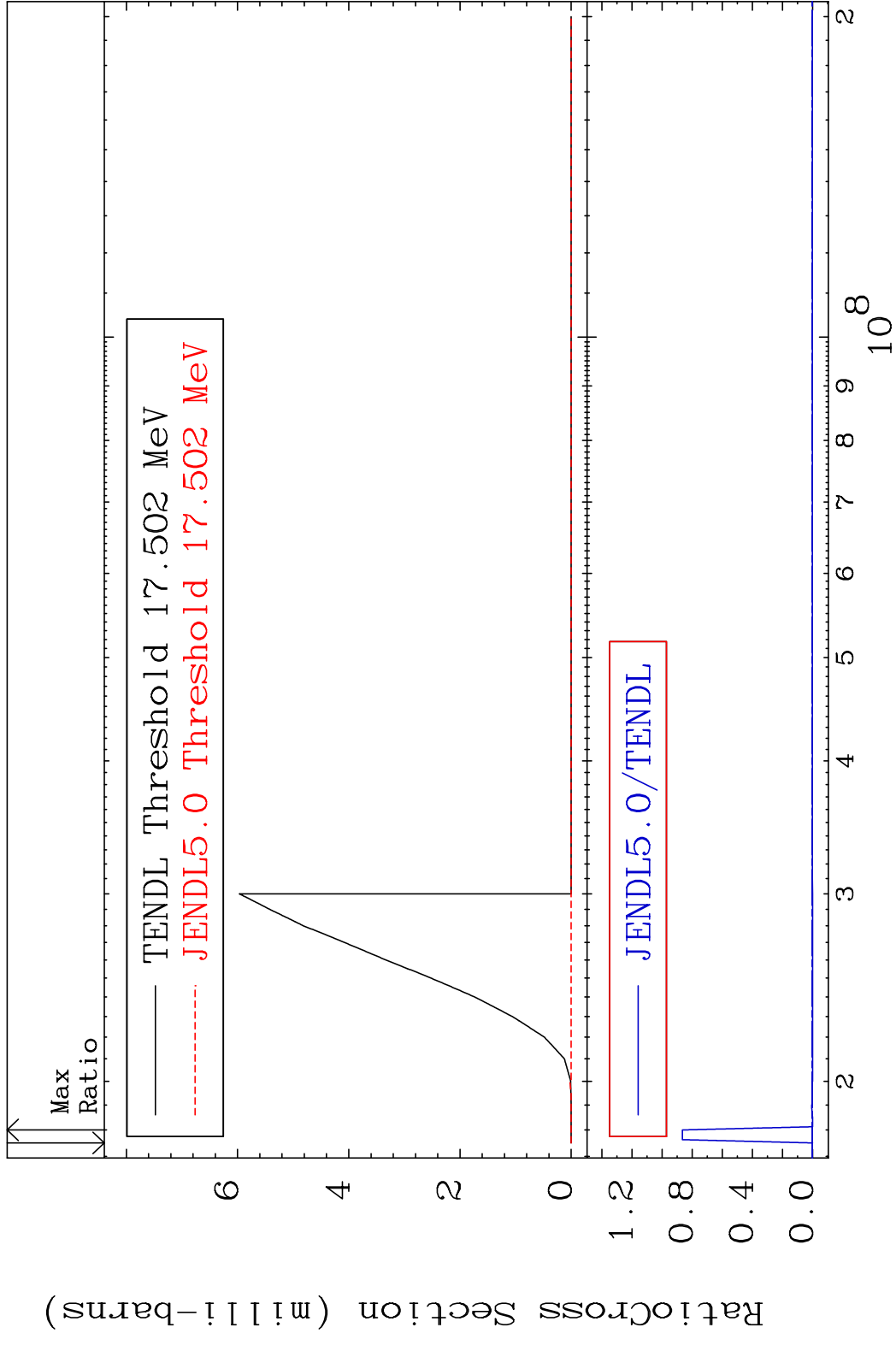


MAT 1322

(n,p) t

13-Al-26

Cross Section -100.0 To 9999. %

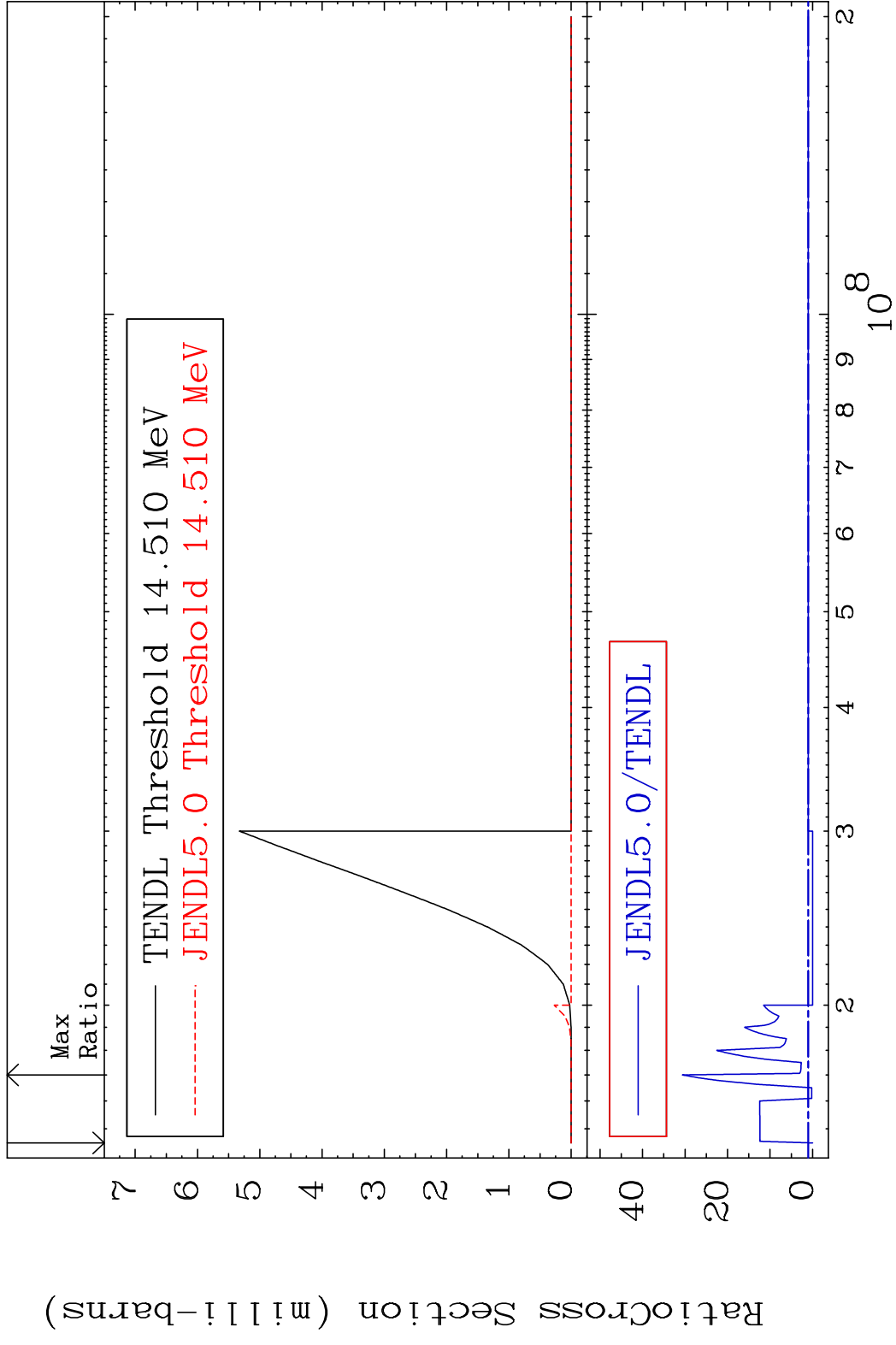


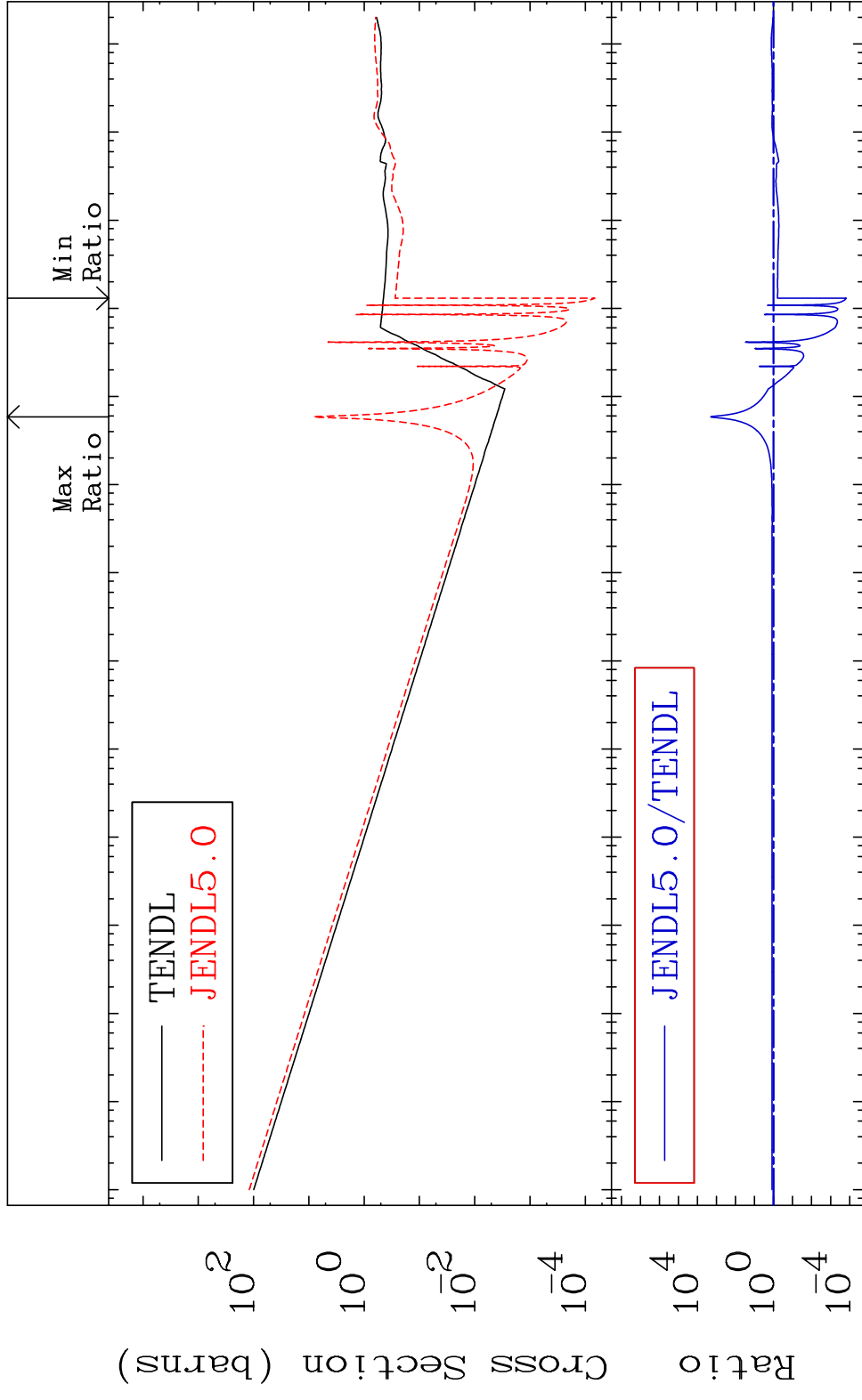
MAT 1322

(n,d) α

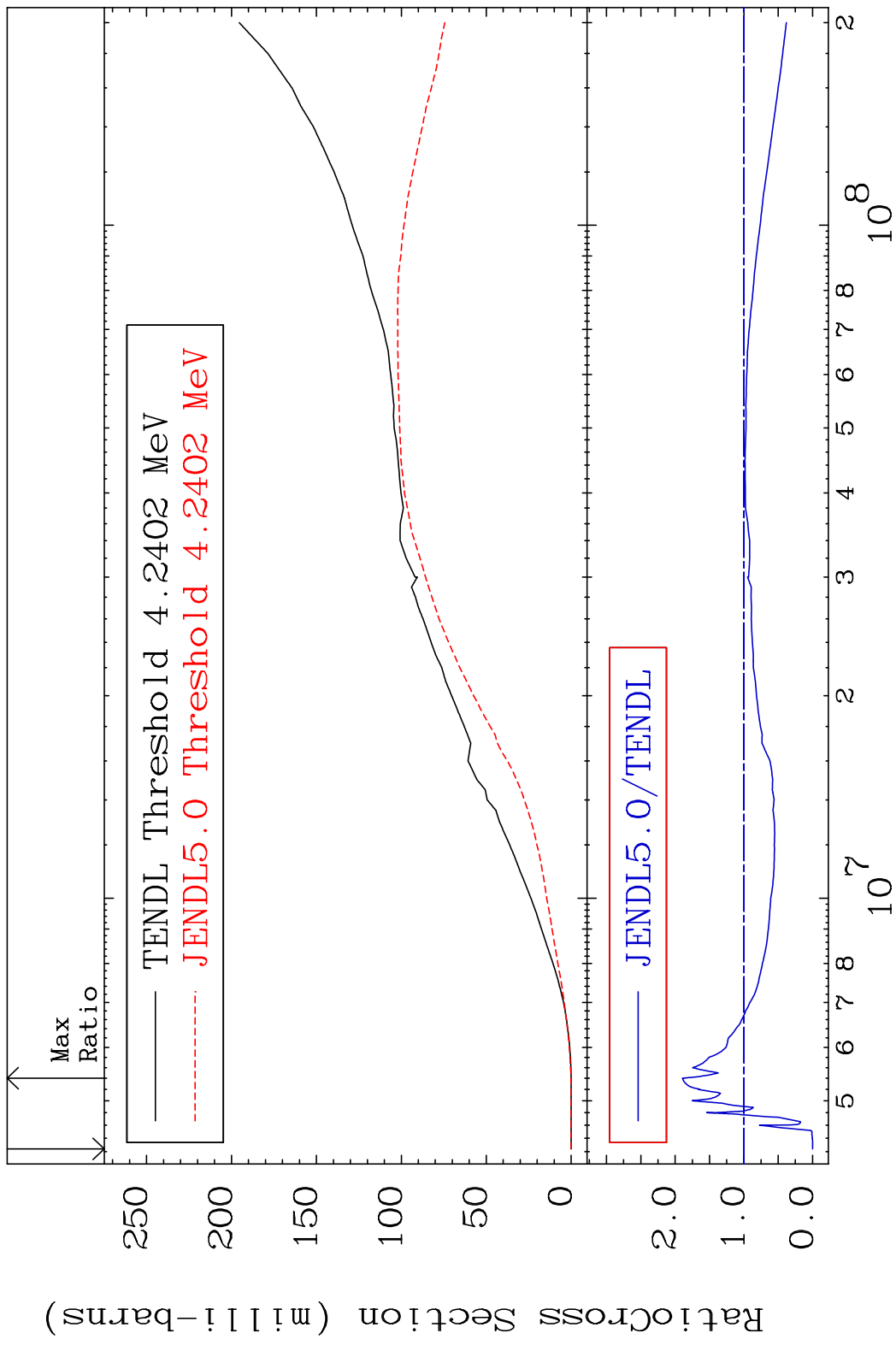
13-A1-26

Cross Section -100.0 To 2963. %

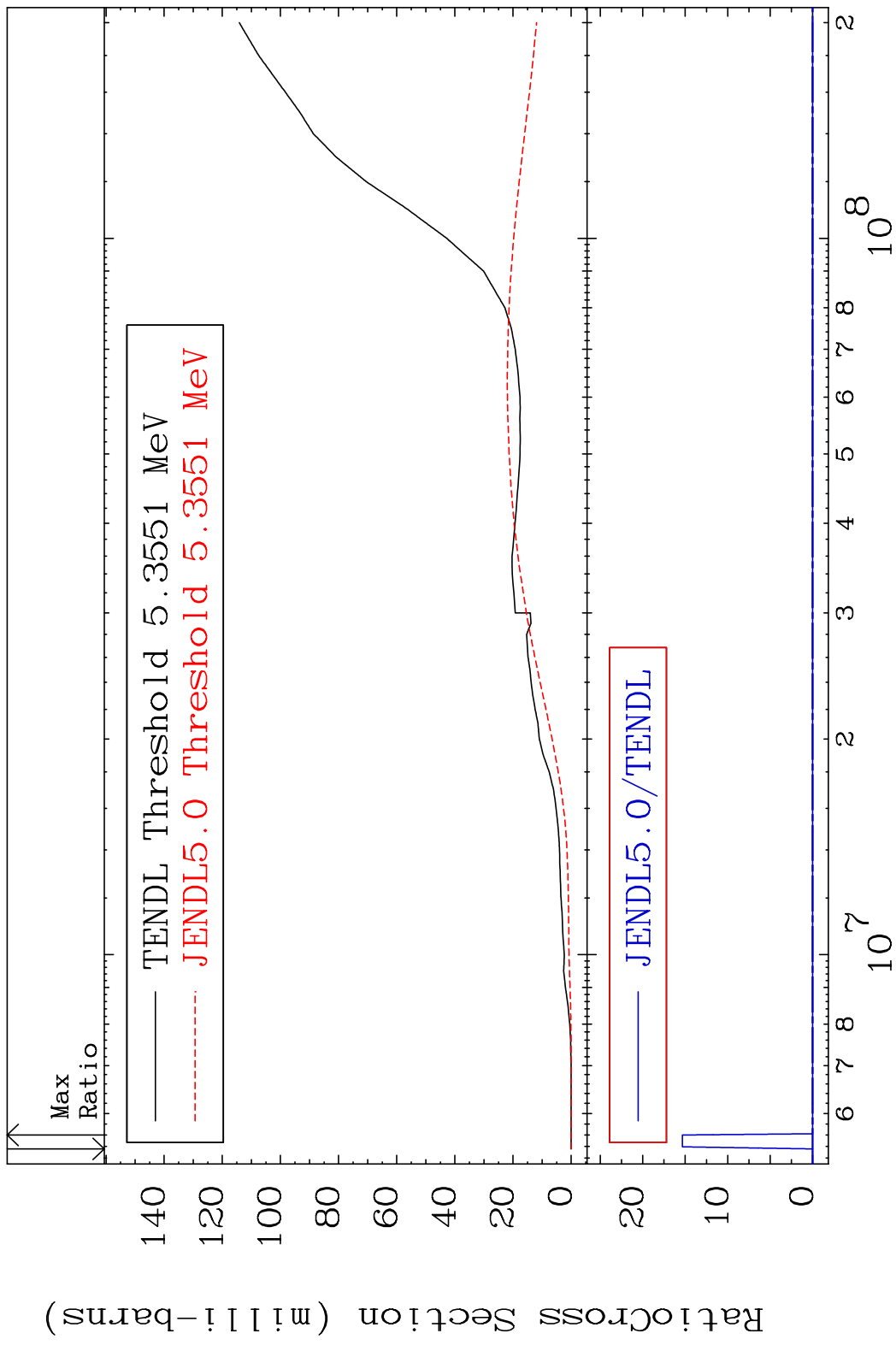




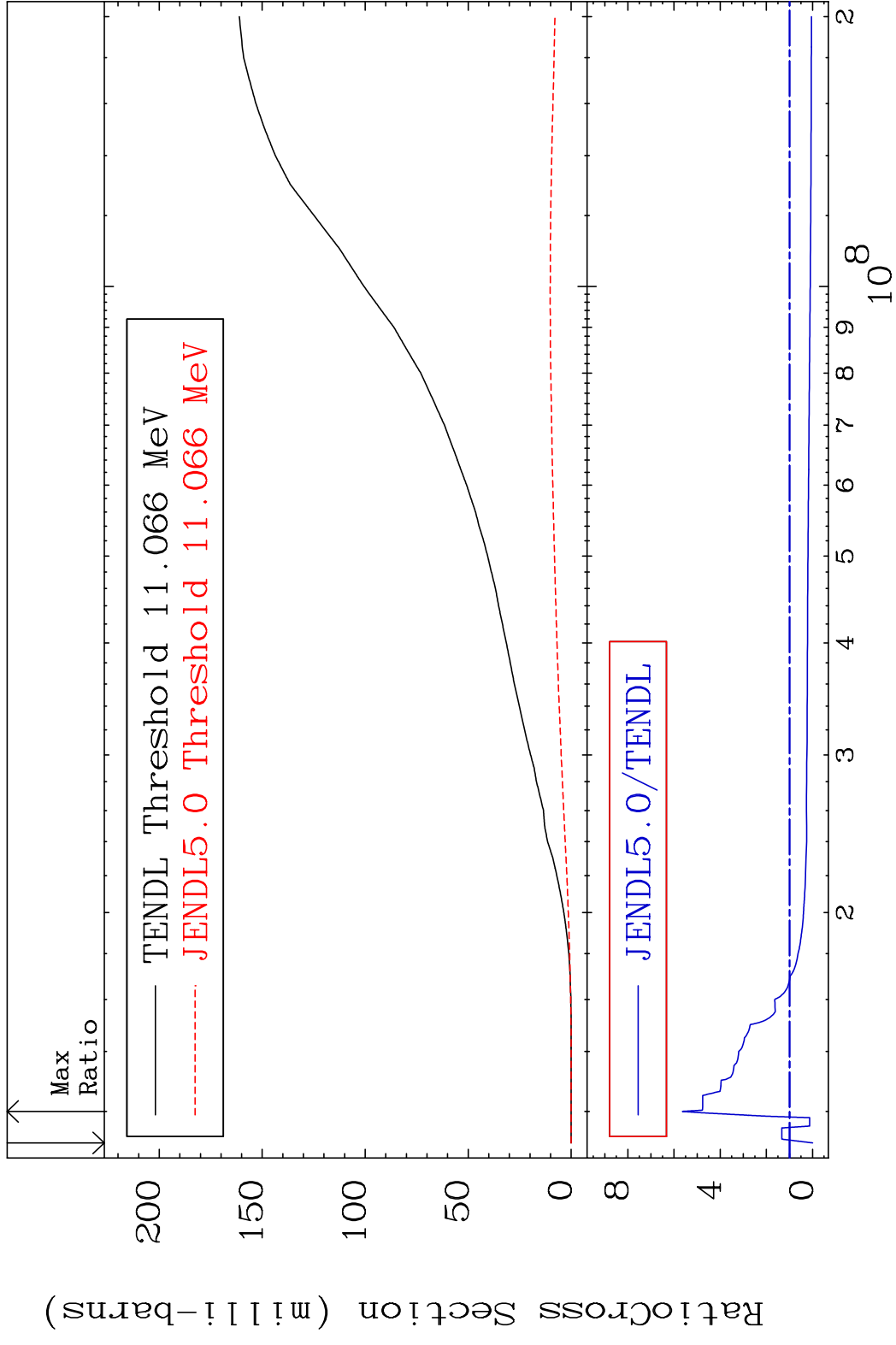
MAT 1322 Deuterium Production 13-A1-26
 Cross Section -100.0 To 89.52 %



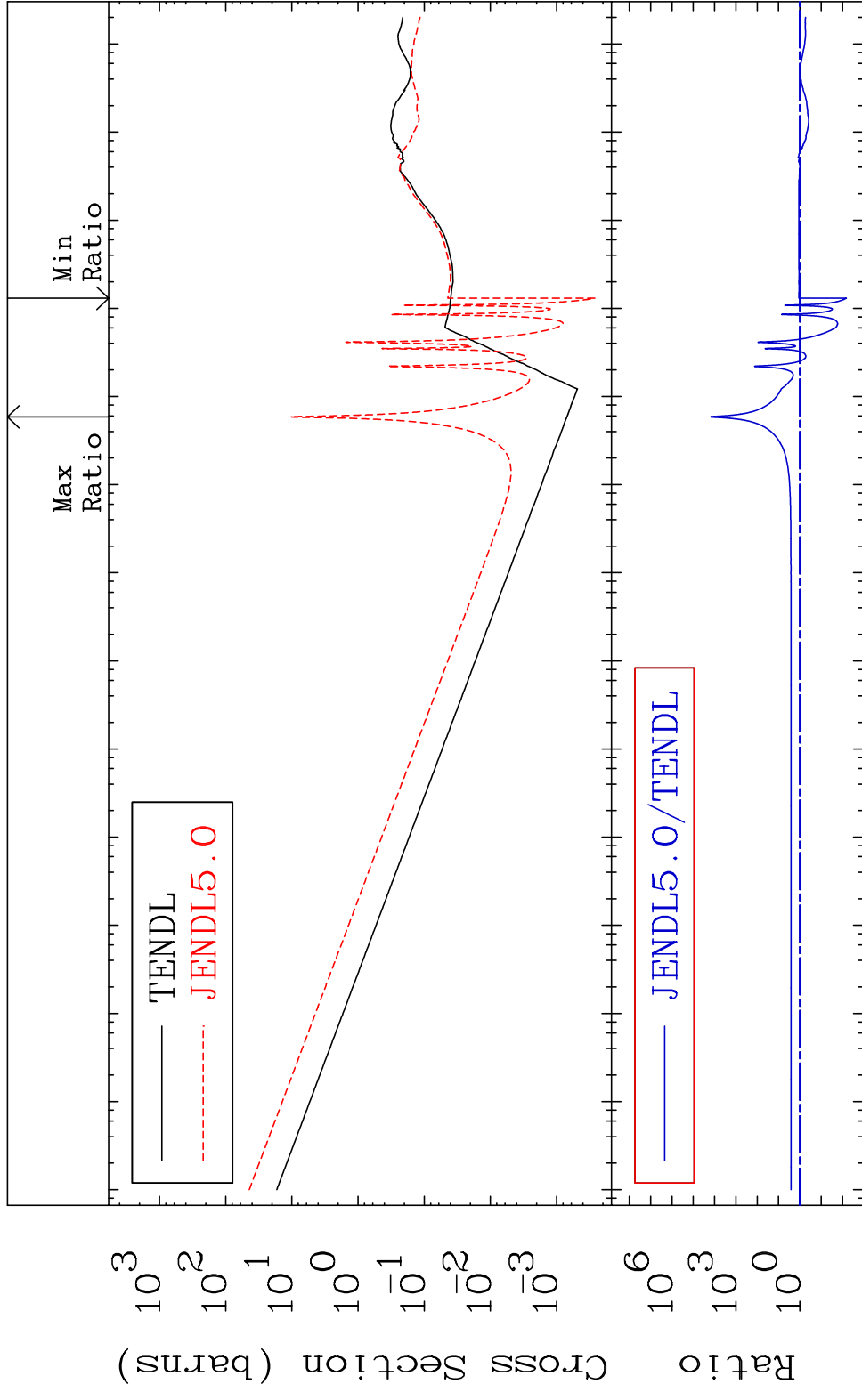
MAT 1322 Tritium Production 13-A1-26
 Cross Section -100.0 To 9999. %



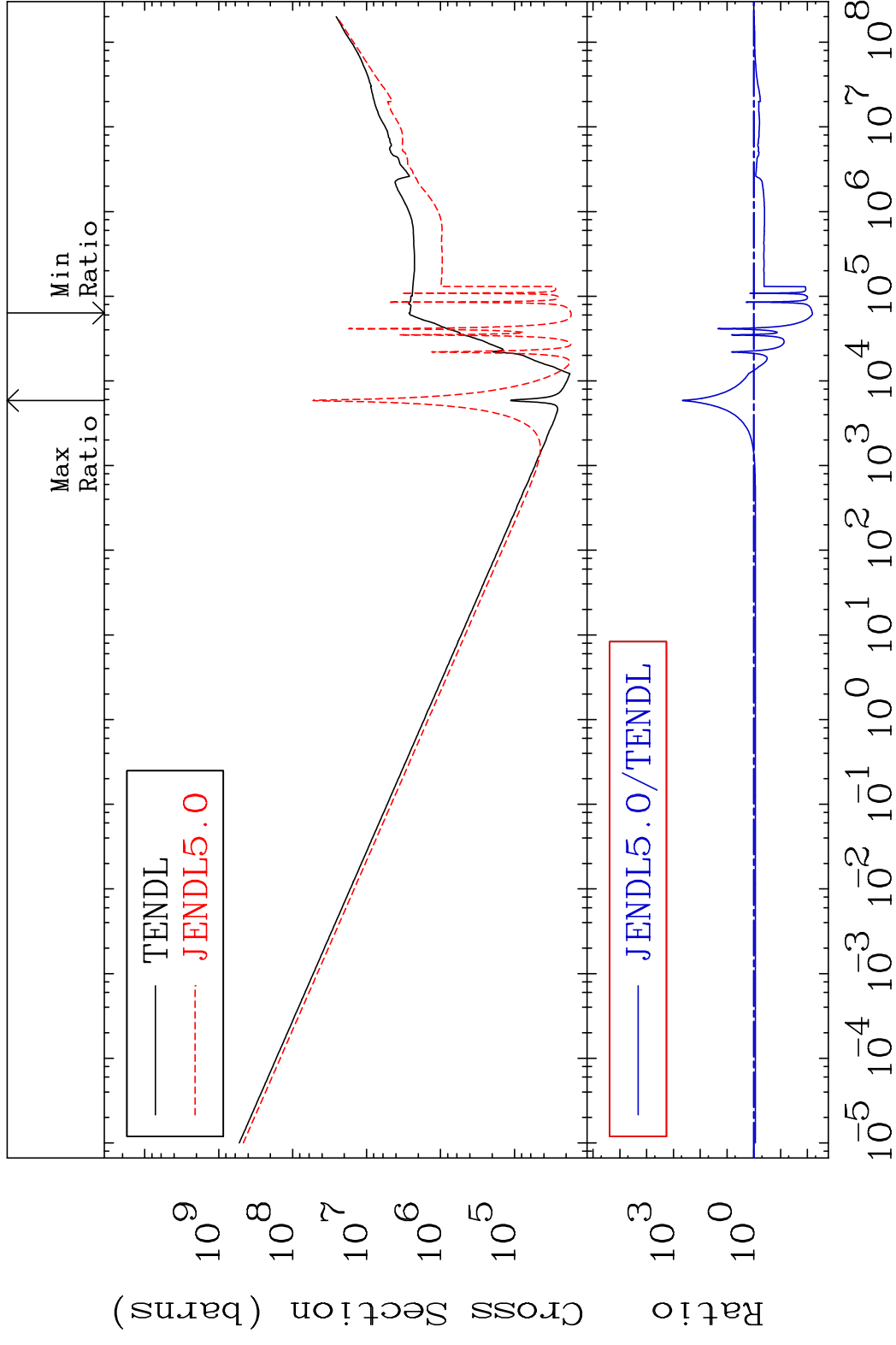
Cross Section -100.0 To 463.9 %



Cross Section -99.34 To 9999. %



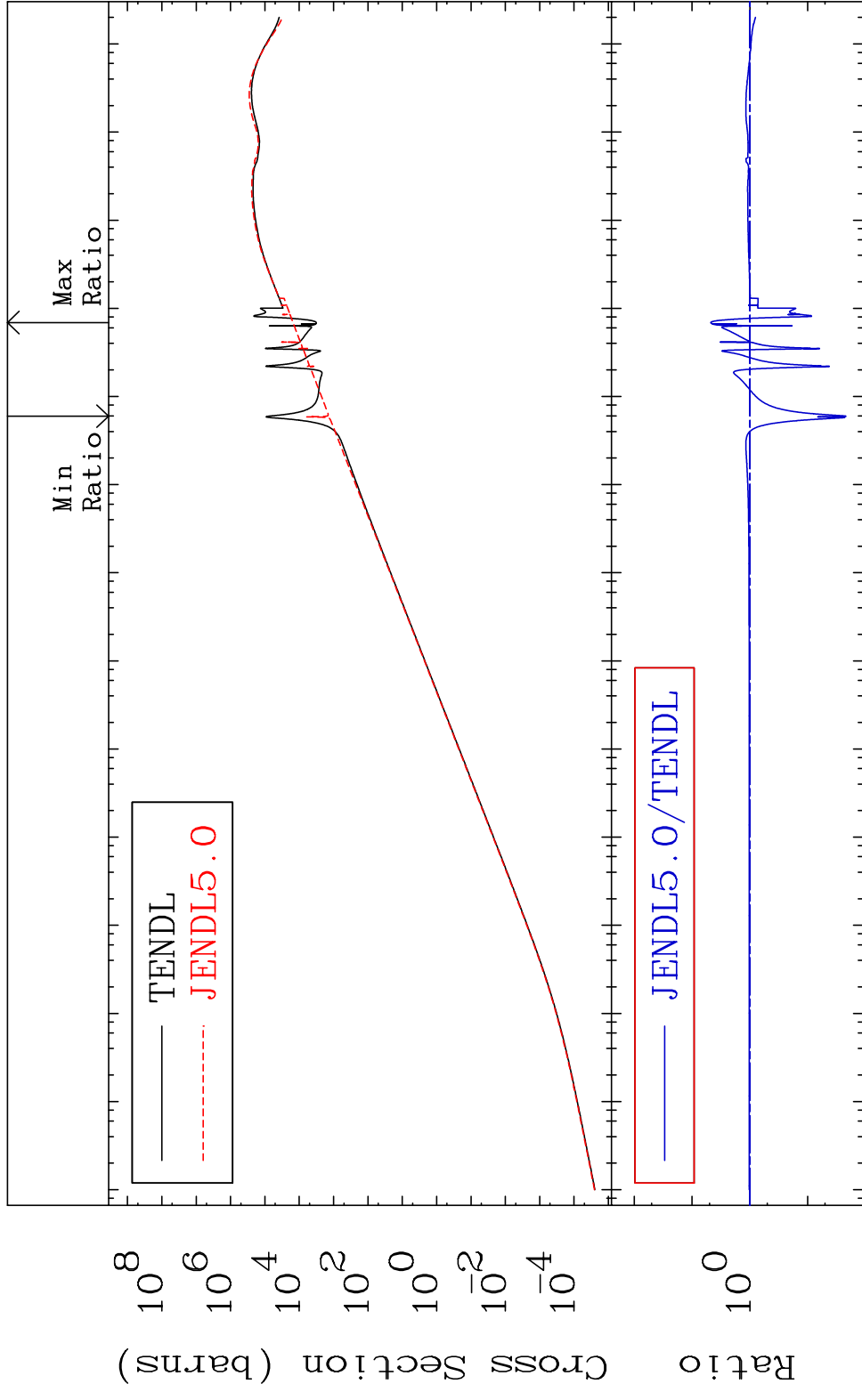
Ratio
 10^6
 10^3
 10^0
 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8



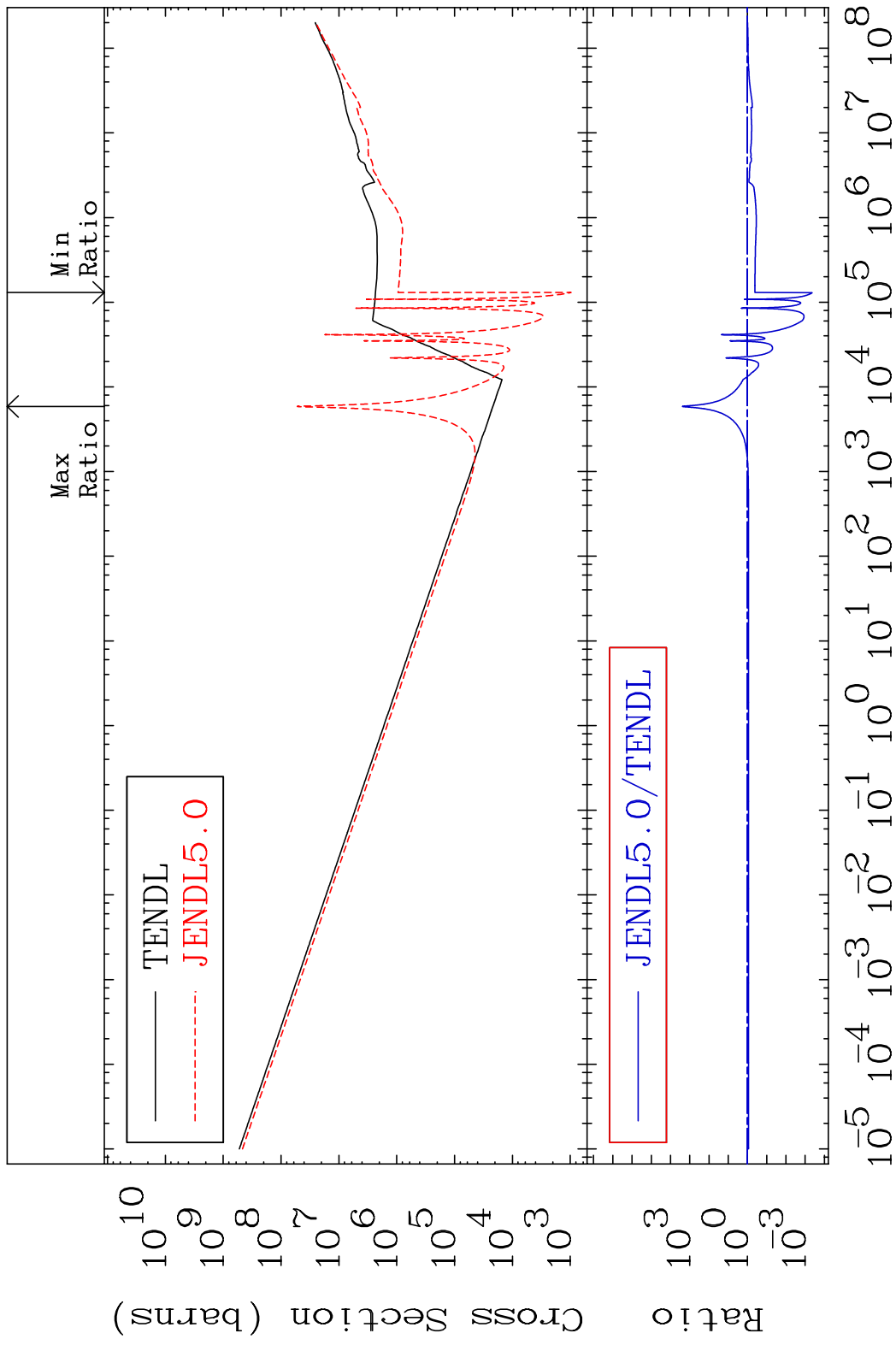
MAT 1322

Kerma elastic
Cross Section

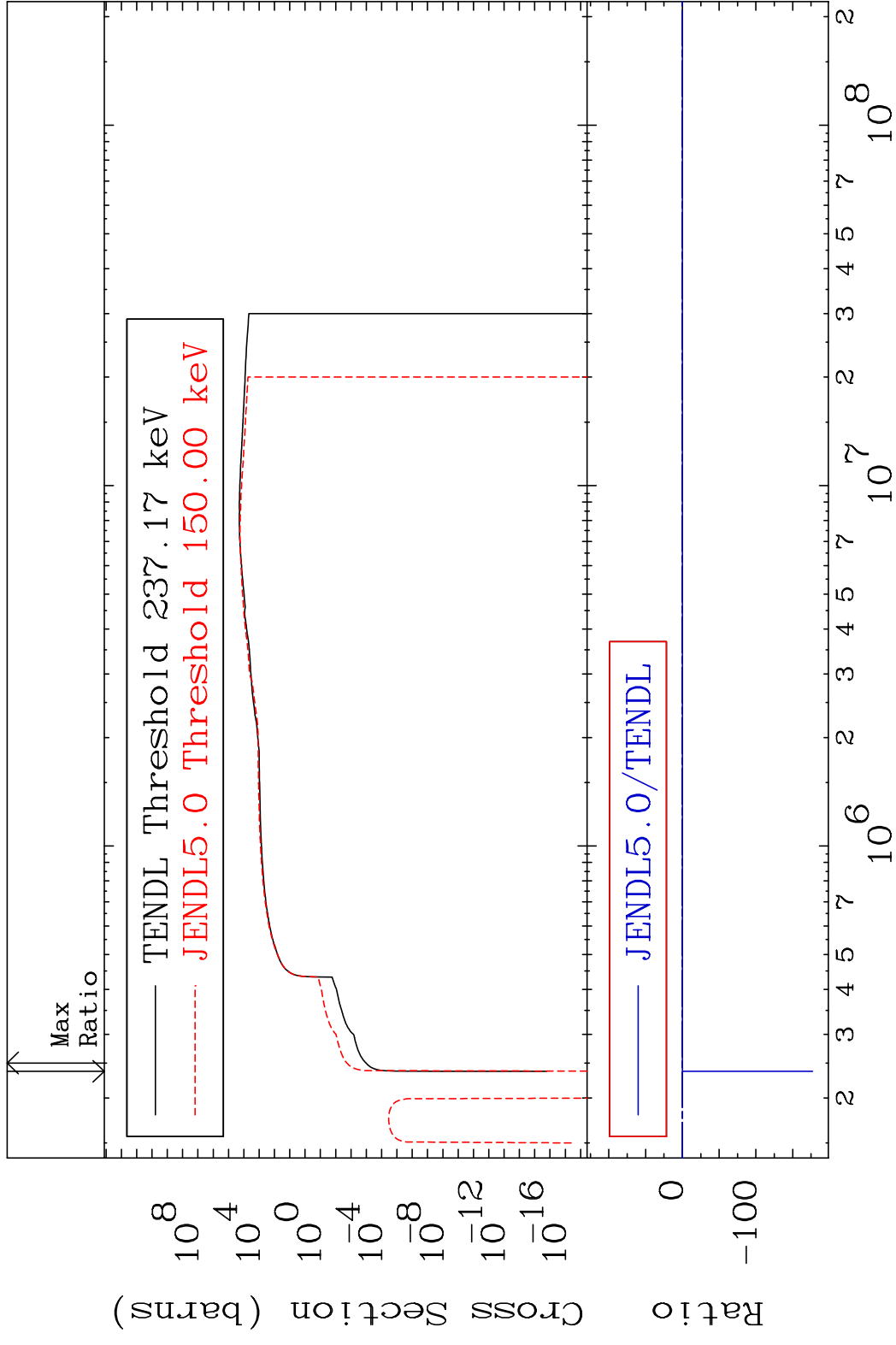
13-A1-26
-97.85 To 375.9 %



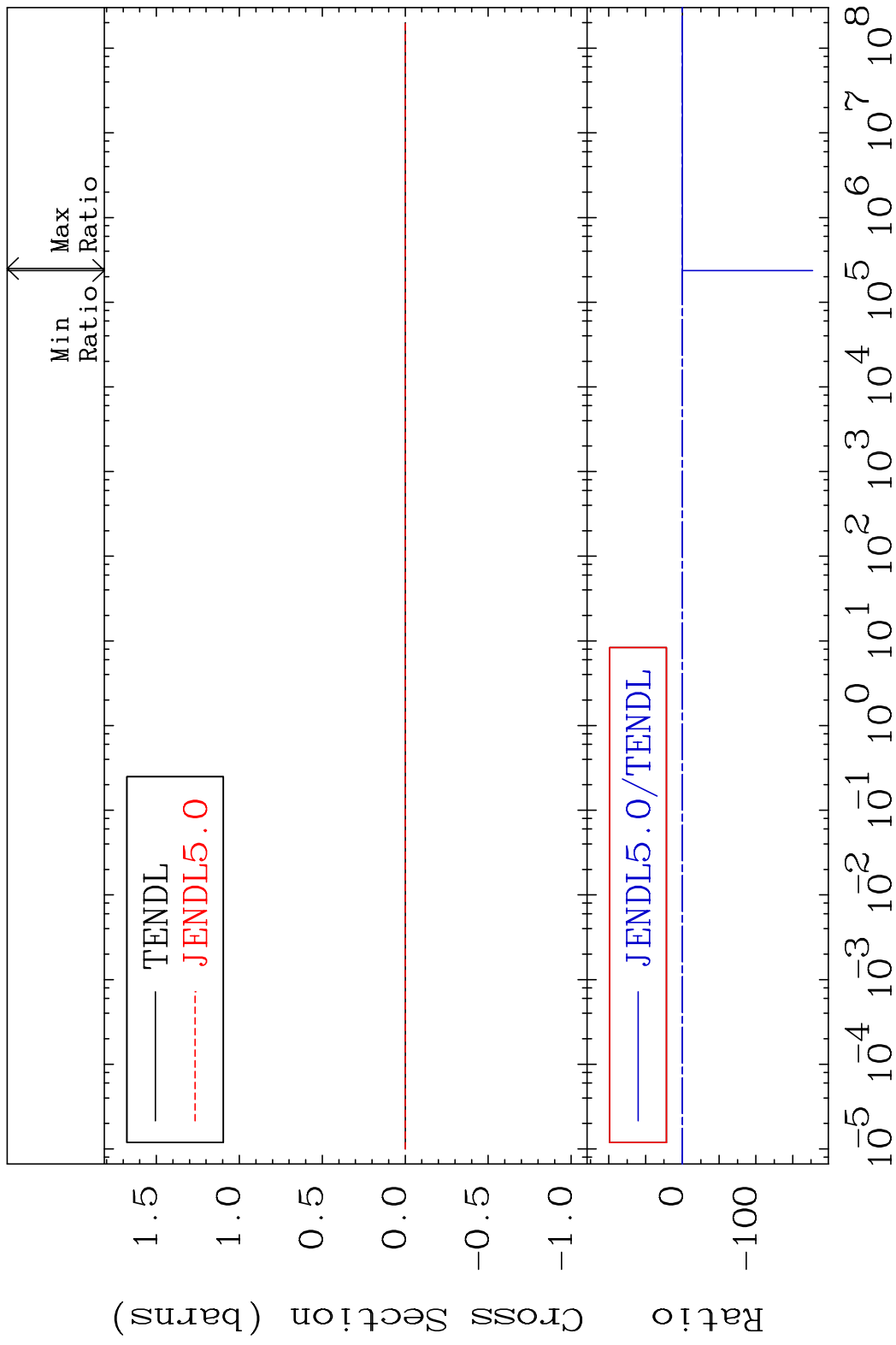
MAT 1322 Kerma non-elastic (all but mt2) 13-A1-26
 Cross Section -99.96 To 9999. %



MAT 1322 Kerma inelastic (mt51-91) 13-A1-26
 Cross Section -9999. To 1699. %

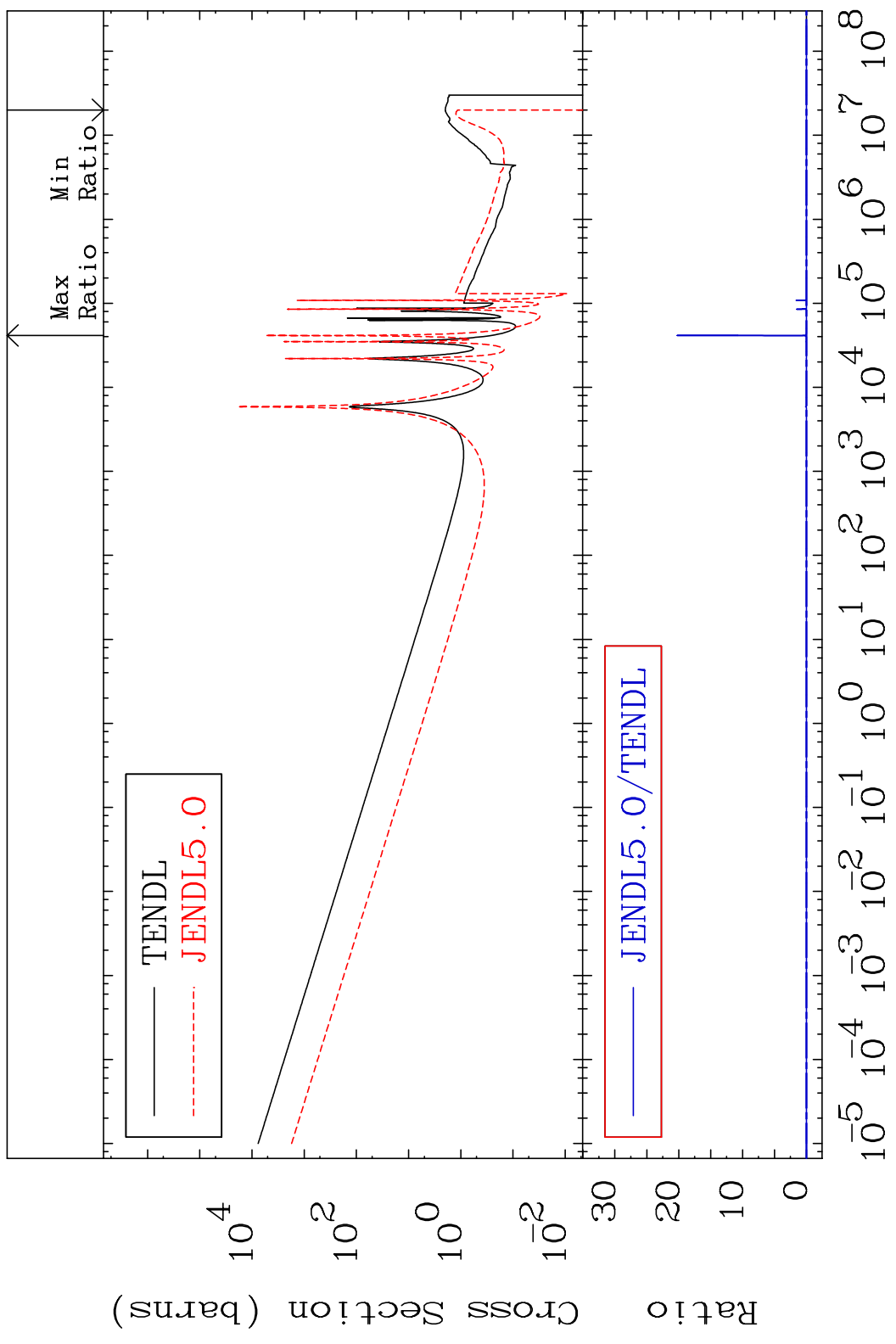


MAT 1322 Kerma fission (mt18 or mt19-20-21-38) 13-A1-26
 Cross Section -9999. To 1699. %



MAT 1322

Kerma capture (mt102) 13-A1-26
Cross Section -100.0 To 9999. %



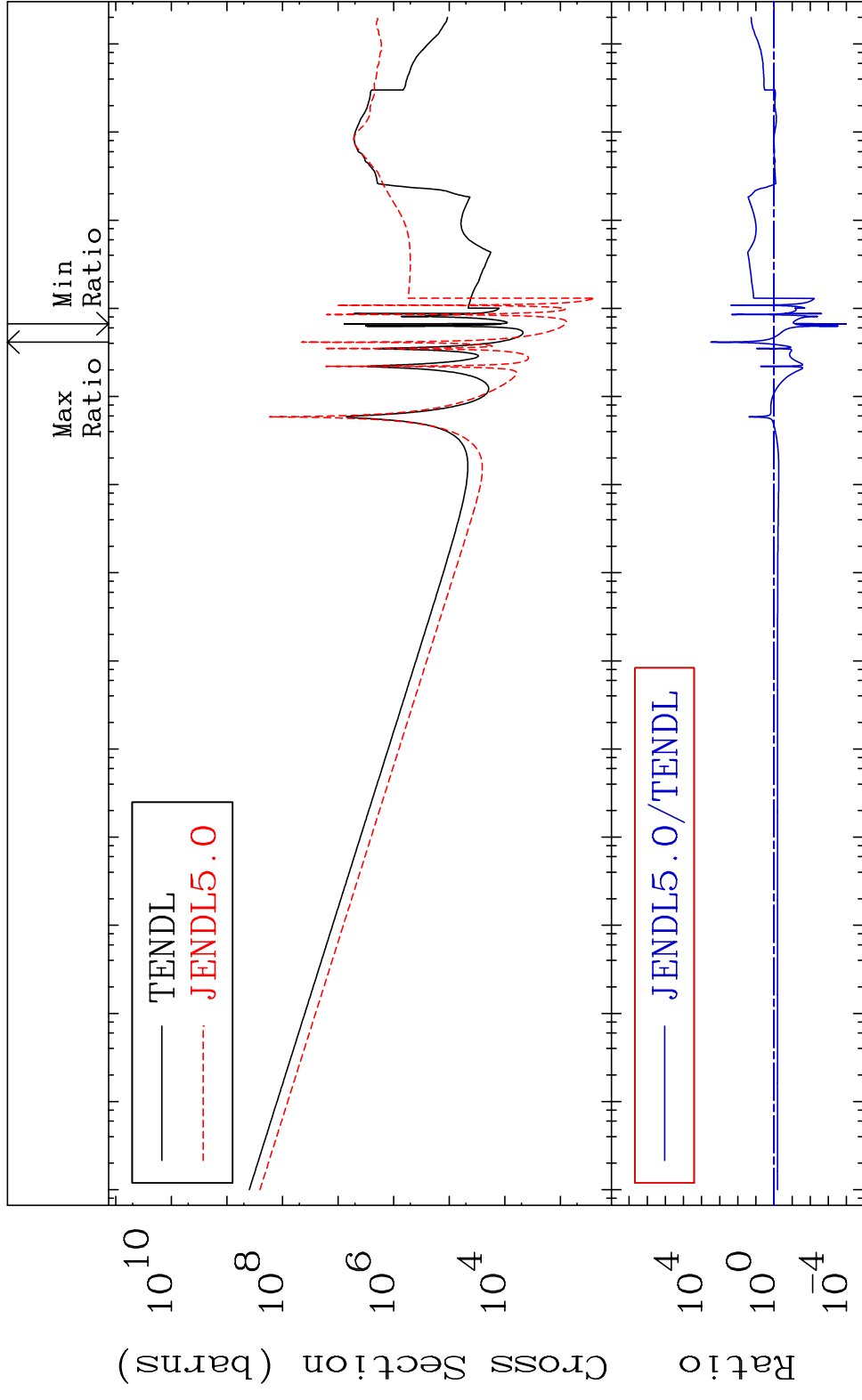
61

Incident Energy (eV)

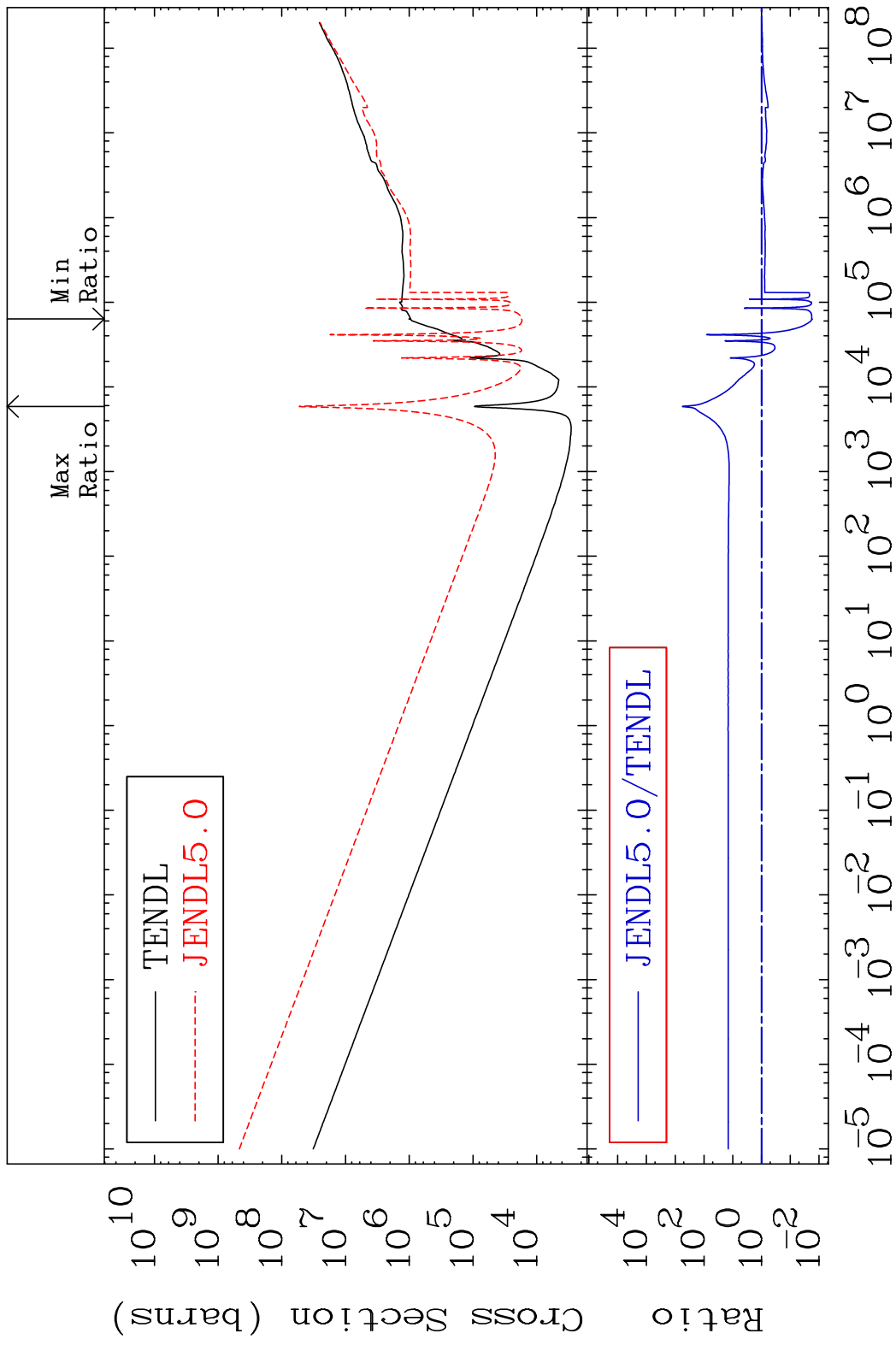
13-A1-26

MAT 1322

Total photon (eV-barns) 13-A1-26
Cross Section -99.99 To 9999. %



MAT 1322 Total kinematic kerma (high limit) 13-A1-26
 Cross Section -98.31 To 9999. %

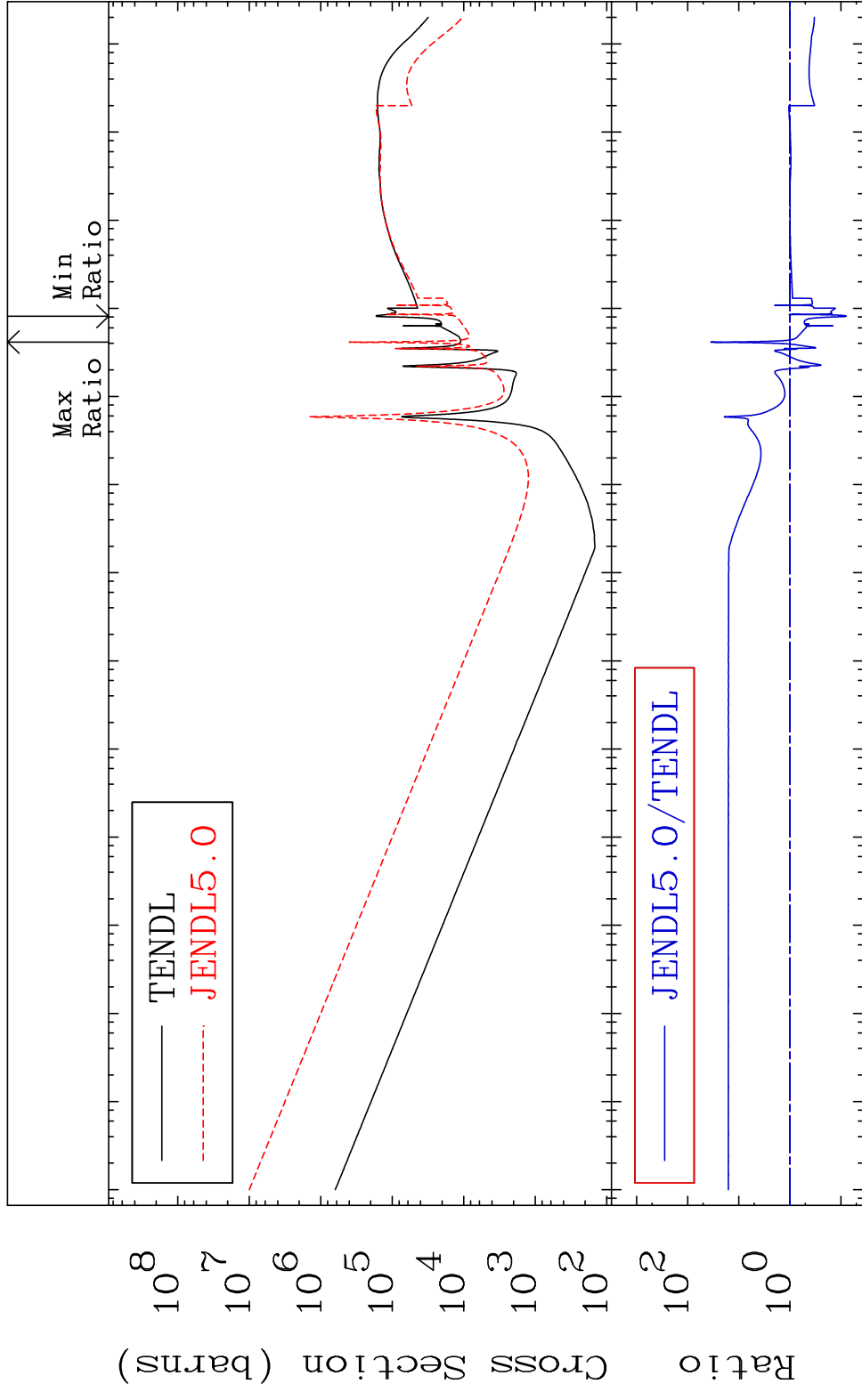


MAT 1322

Dpa total (eV-barns)

13-A1-26

Cross Section -92.13 To 3458. %



64

Incident Energy (eV)

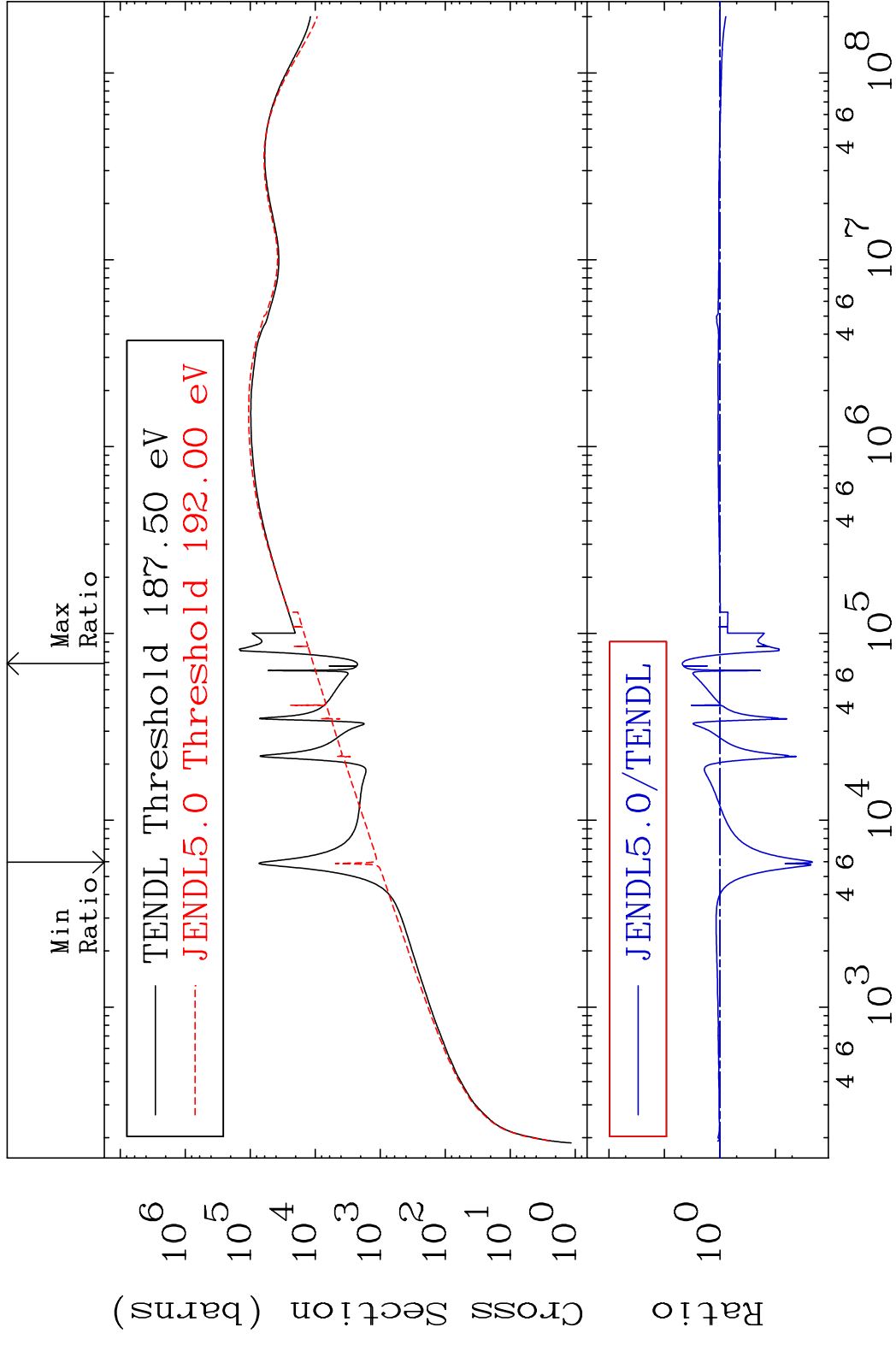
13-A1-26

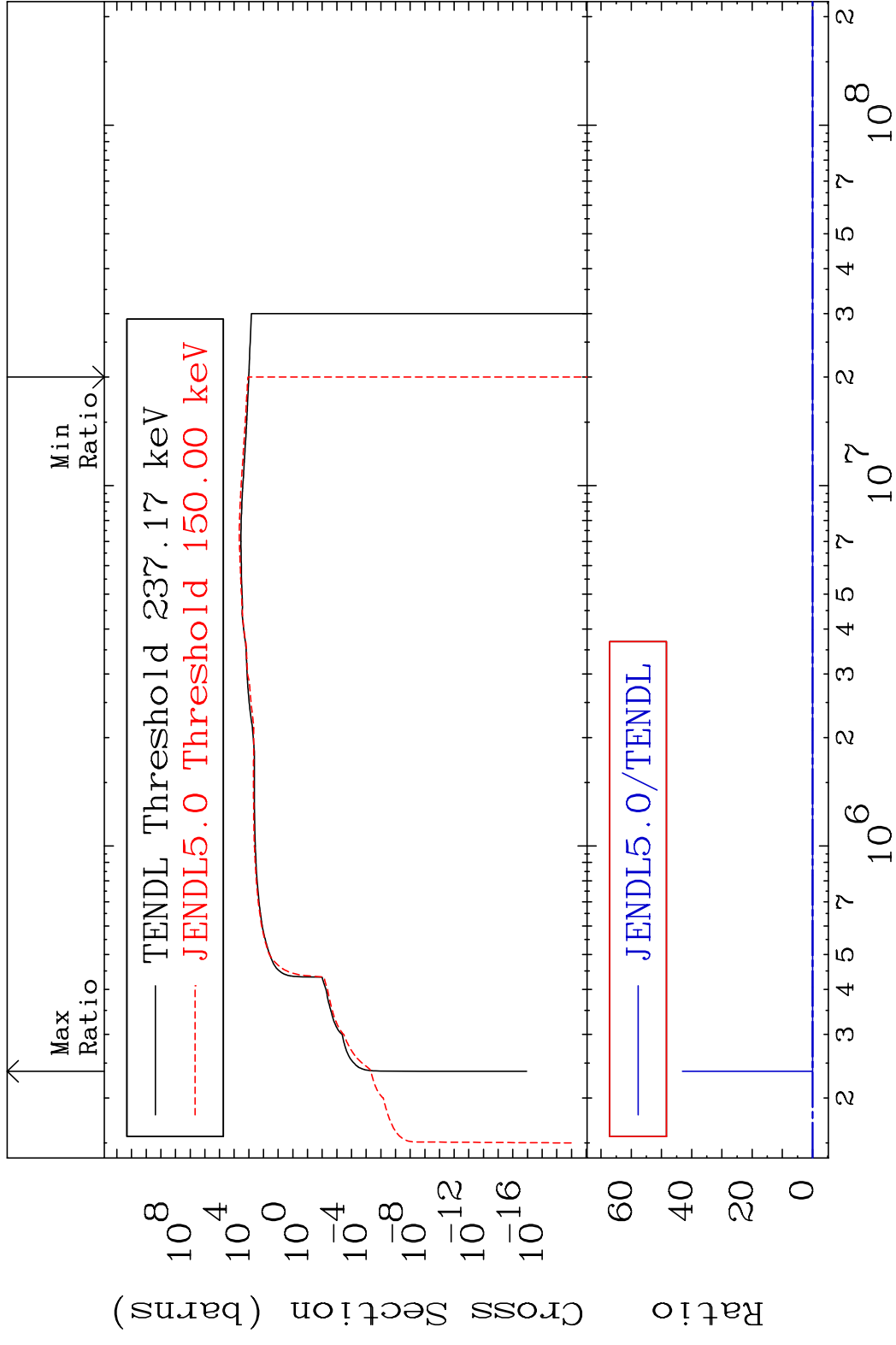
MAT 1322

Dpa elastic (mt2)

13-A1-26

Cross Section -97.85 To 375.8 %





MAT 1322 Dpa disappearance (mt102 -120) 13-A1-26
 Cross Section -100.0 To 9999. %

