

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

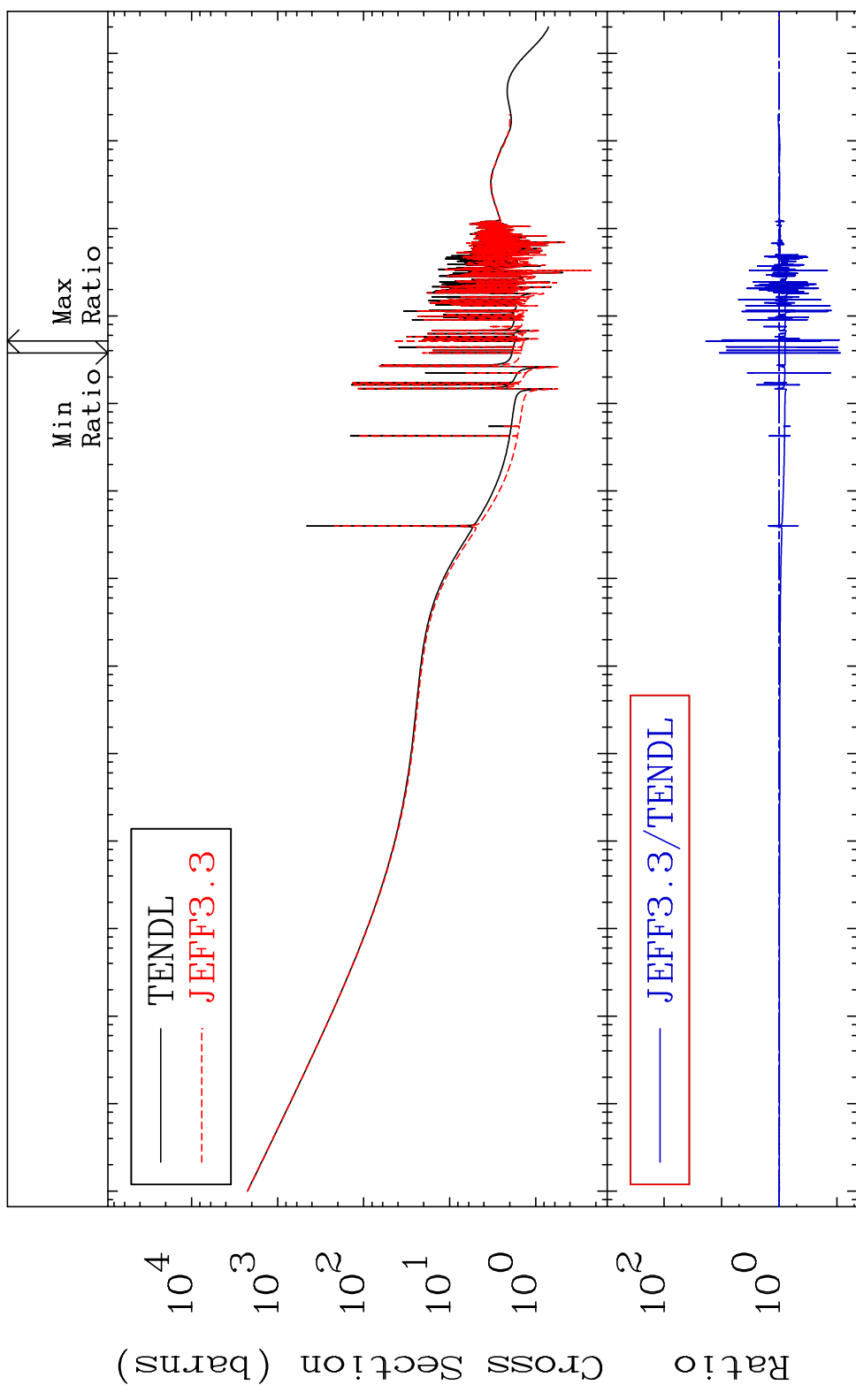
MAT 1725

Total

17-C1-35

Cross Section

-91.34 To 1789. %



1

Incident Energy (eV)

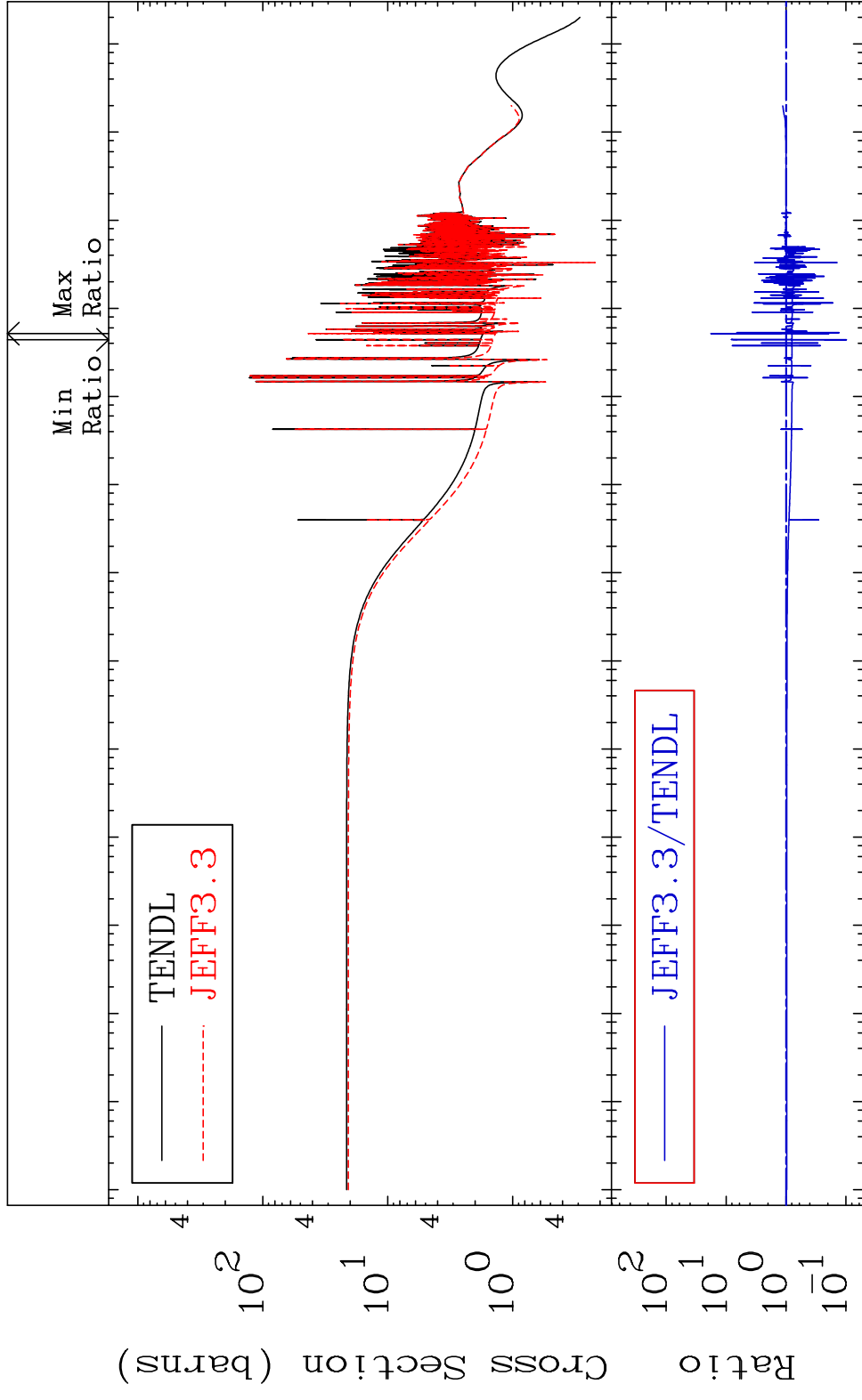
17-C1-35

MAT 1725

Elastic

17-C1-35

Cross Section -90.13 To 1708. %



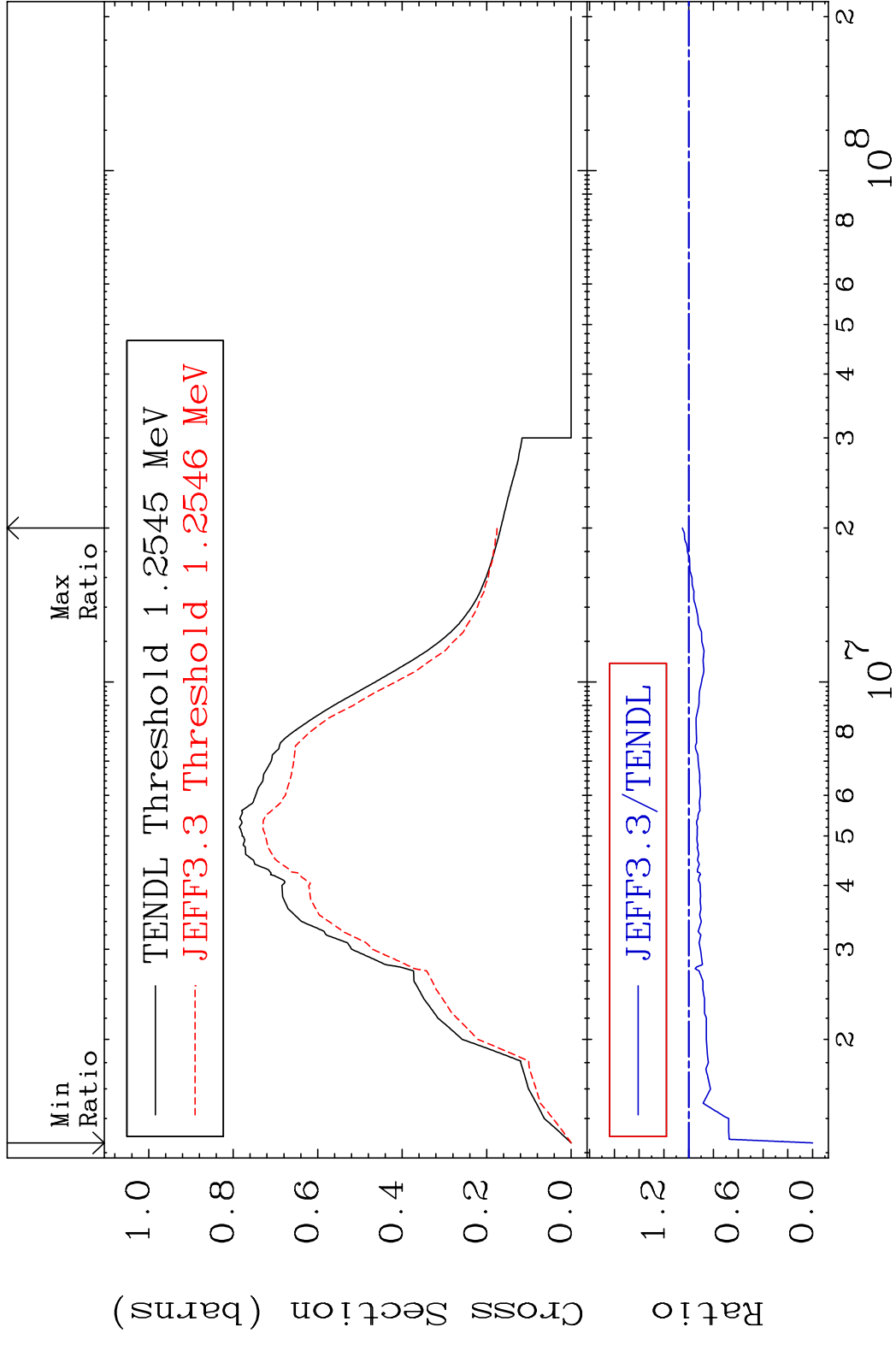
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

17-C1-35

MAT 1725 Inelastic 17-Cl-35
 Cross Section -100.0 To 5.118 %

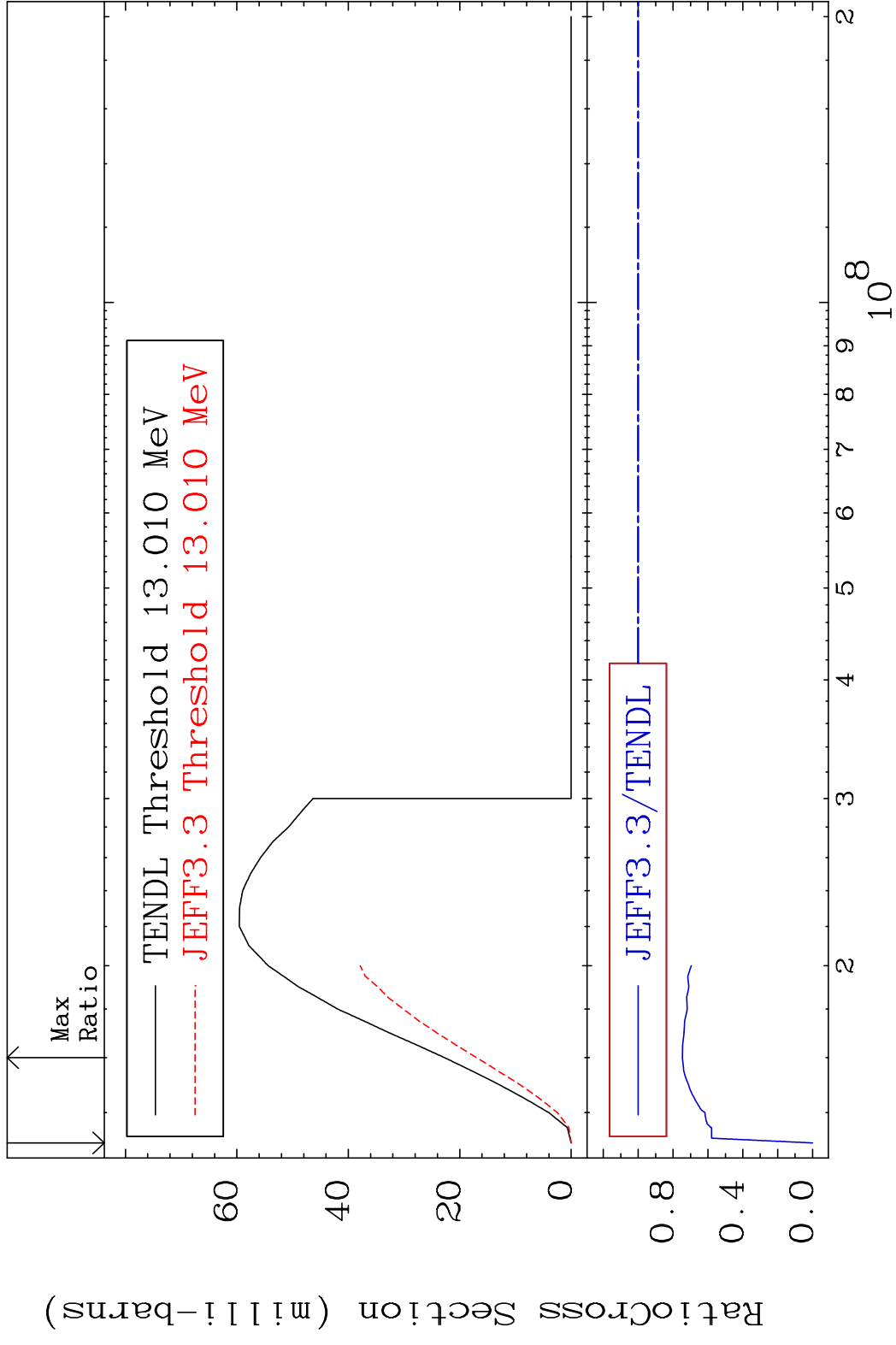


MAT 1725

(n,2n)

17-C1-35

Cross Section -100.0 To -25.32%



4

Incident Energy (eV)

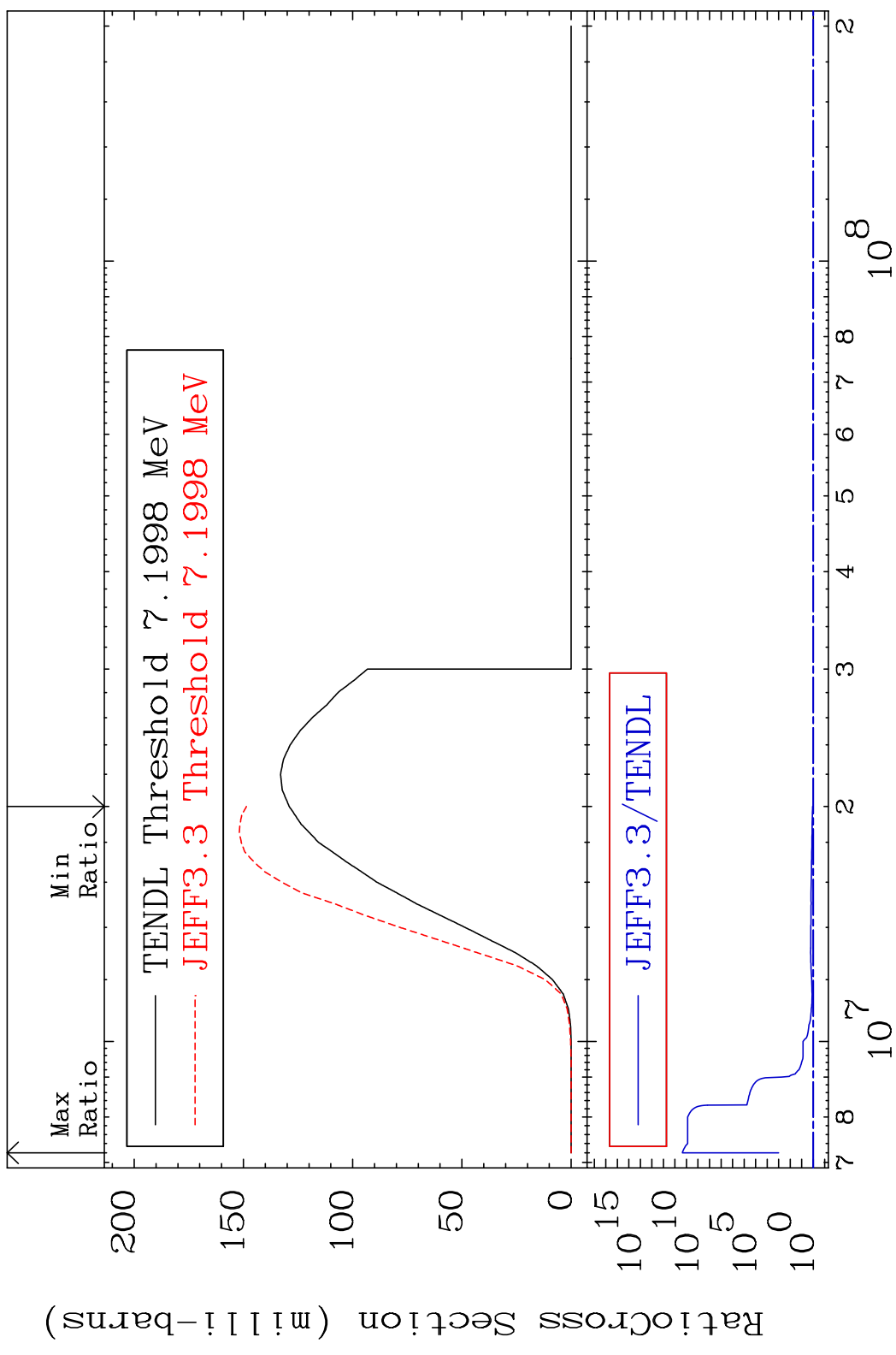
17-C1-35

MAT 1725

(n, n') α

17-Cl-35

Cross Section 15.16 To 9999. %



5

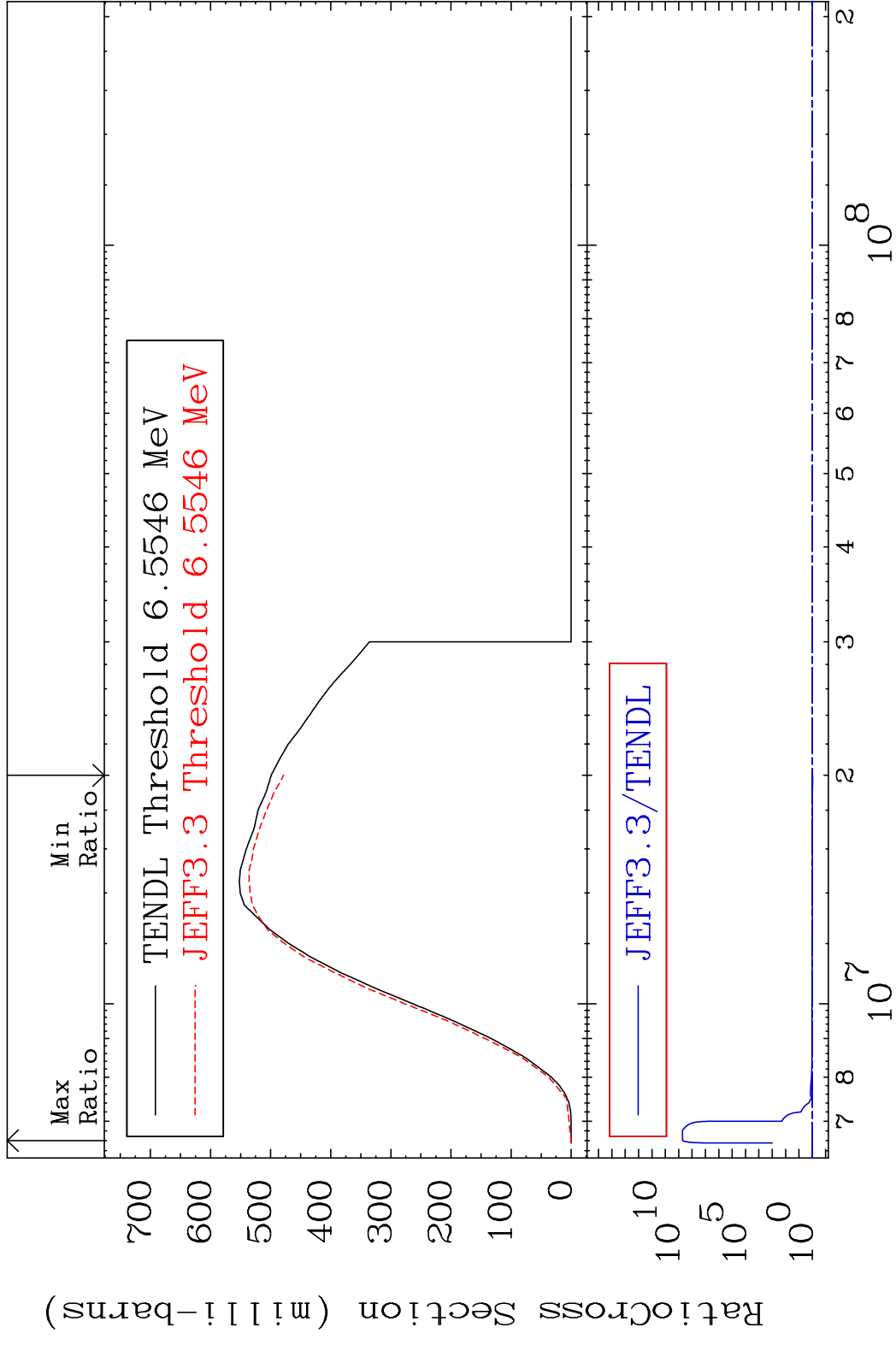
Incident Energy (eV)

17-Cl-35

MAT 1725

(n, n') p 17-Cl-35

Cross Section -4.119 To 9999. %

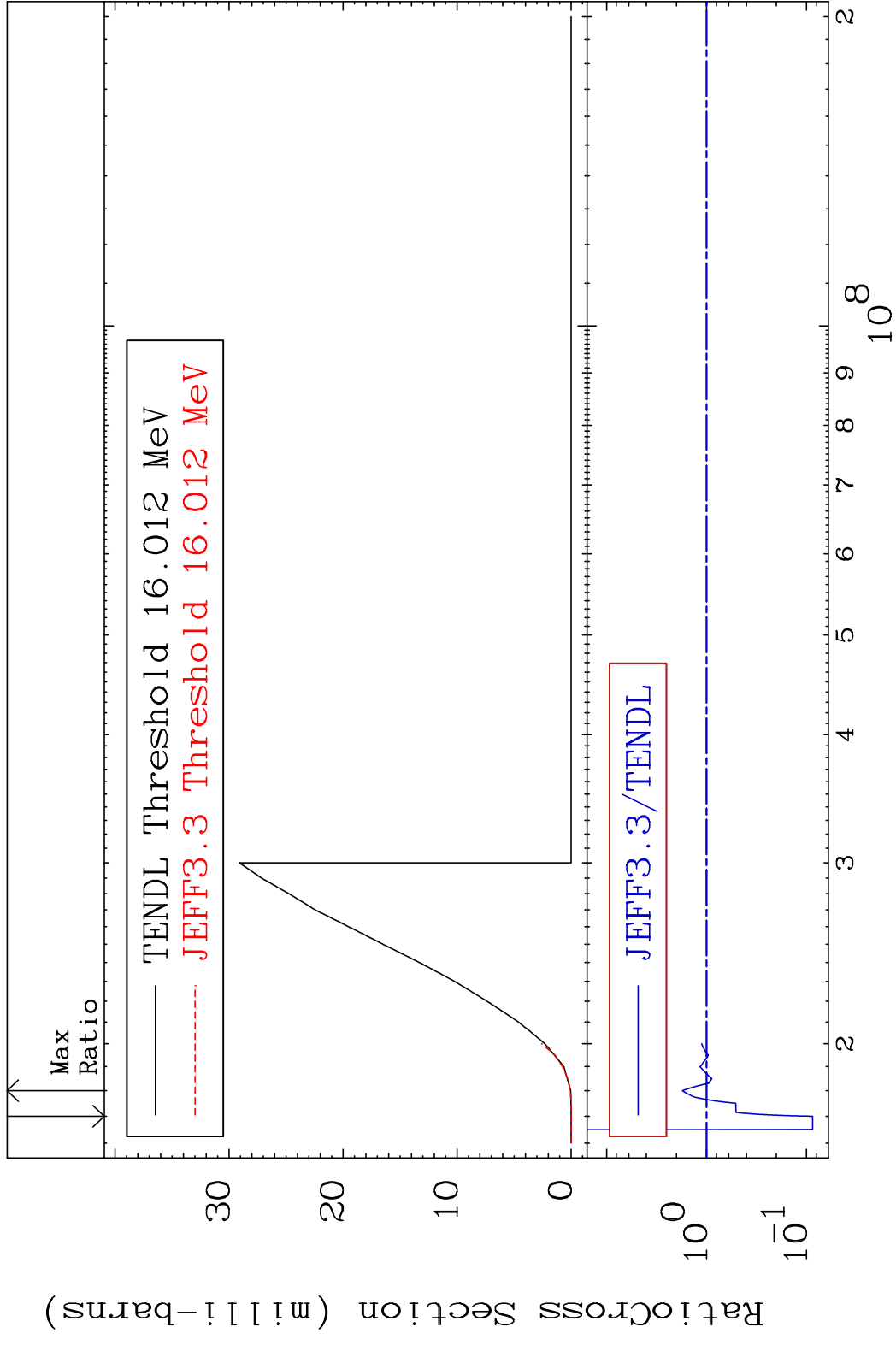


MAT 1725

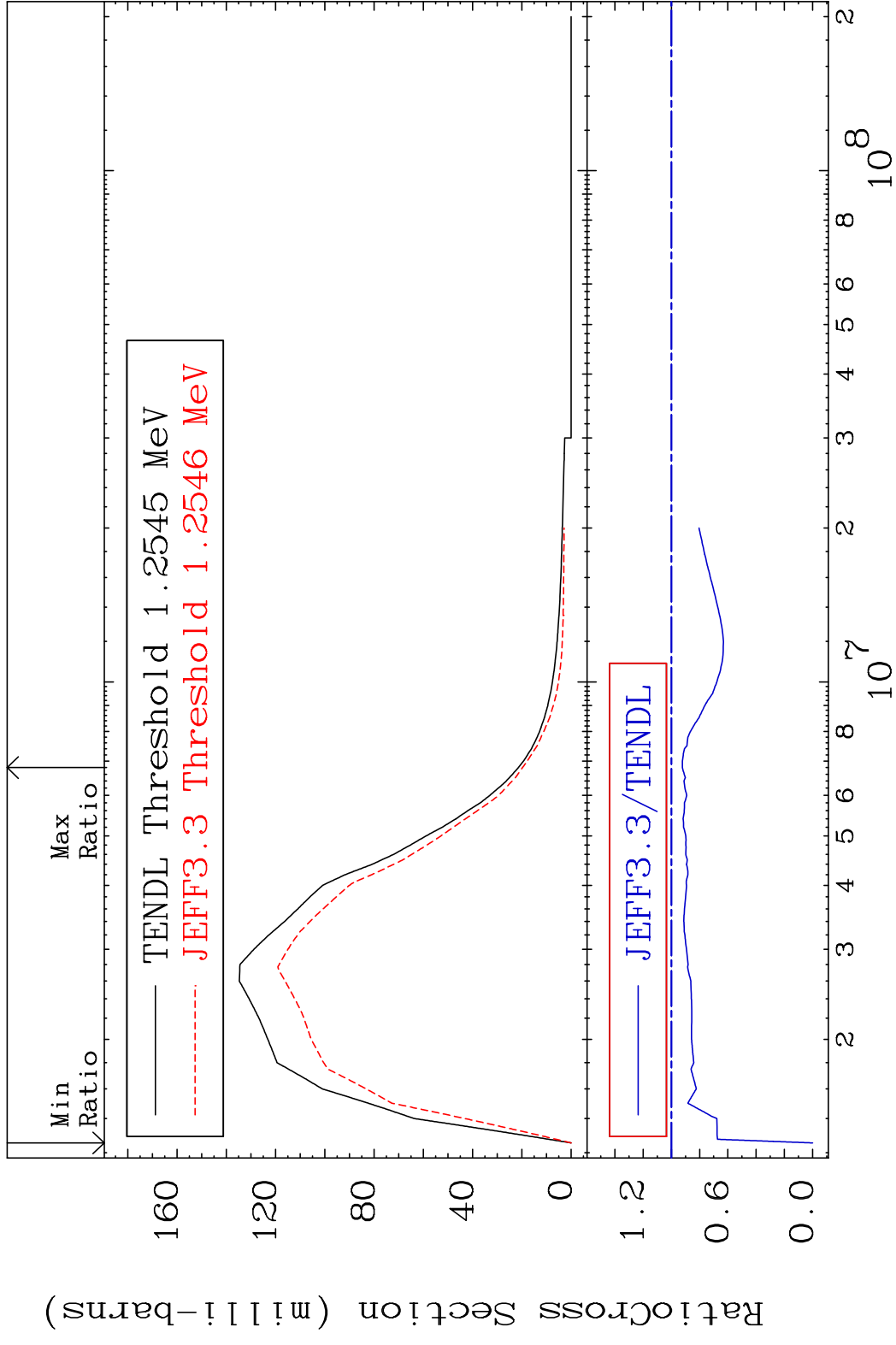
(n, n') d

17-C1-35

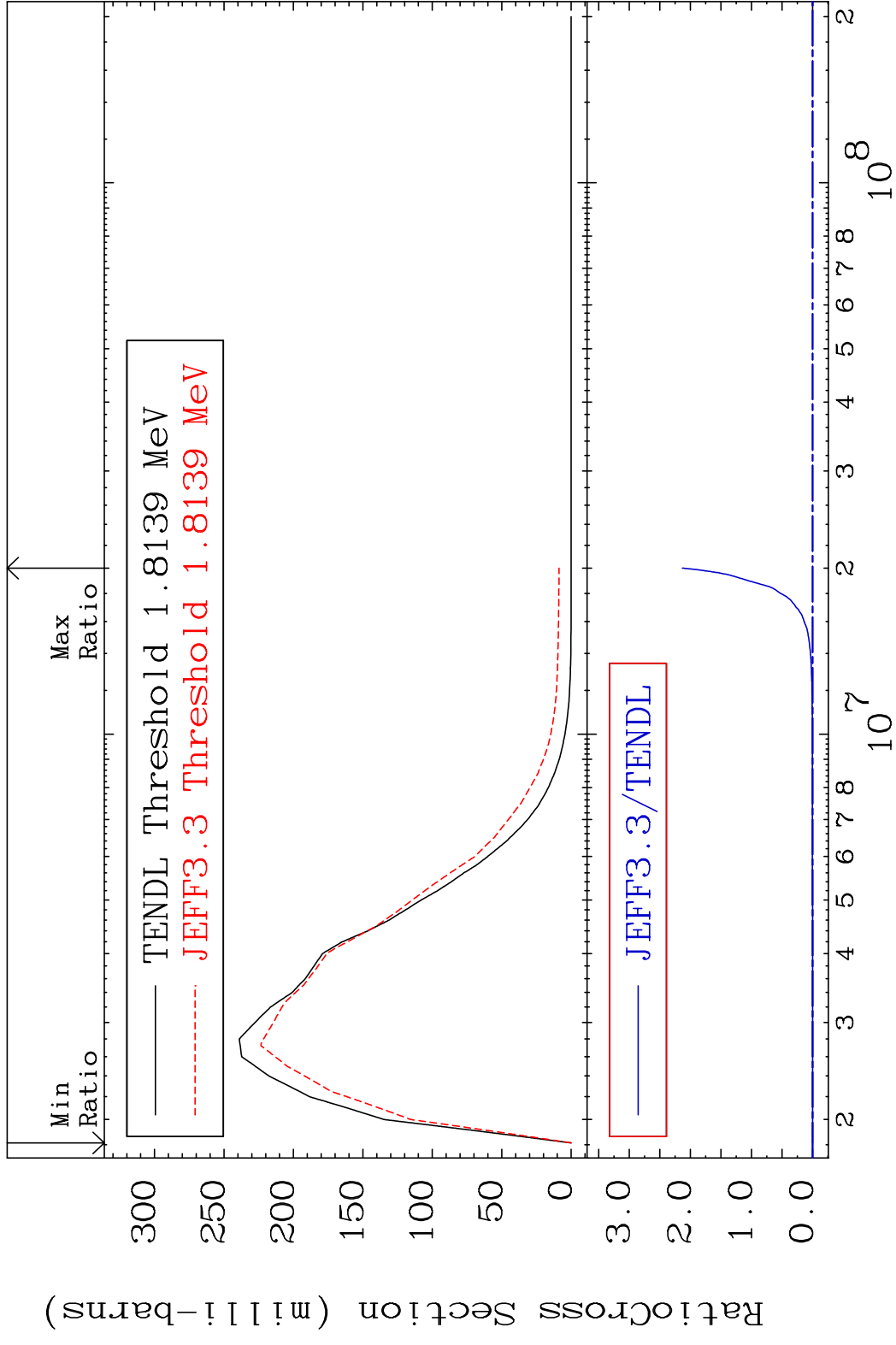
Cross Section -91.29 To 74.84 %



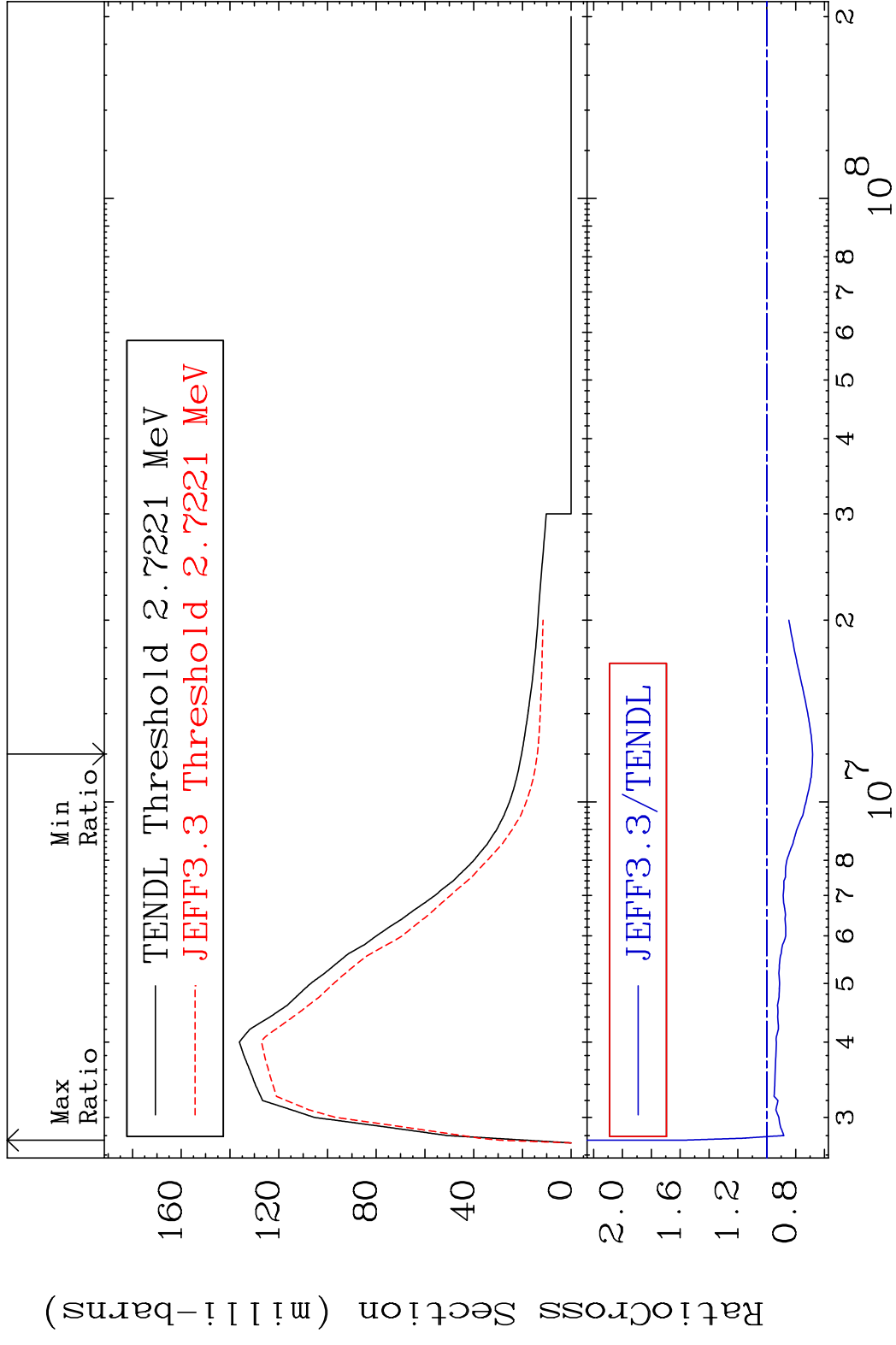
MAT 1725 MT= 51 (n,n') Level 17-C1-35
 Cross Section -100.0 To -7.779%



MAT 1725 MT= 52 (n, n') Level 17-C1-35
 Cross Section -100.0 To 9999. %

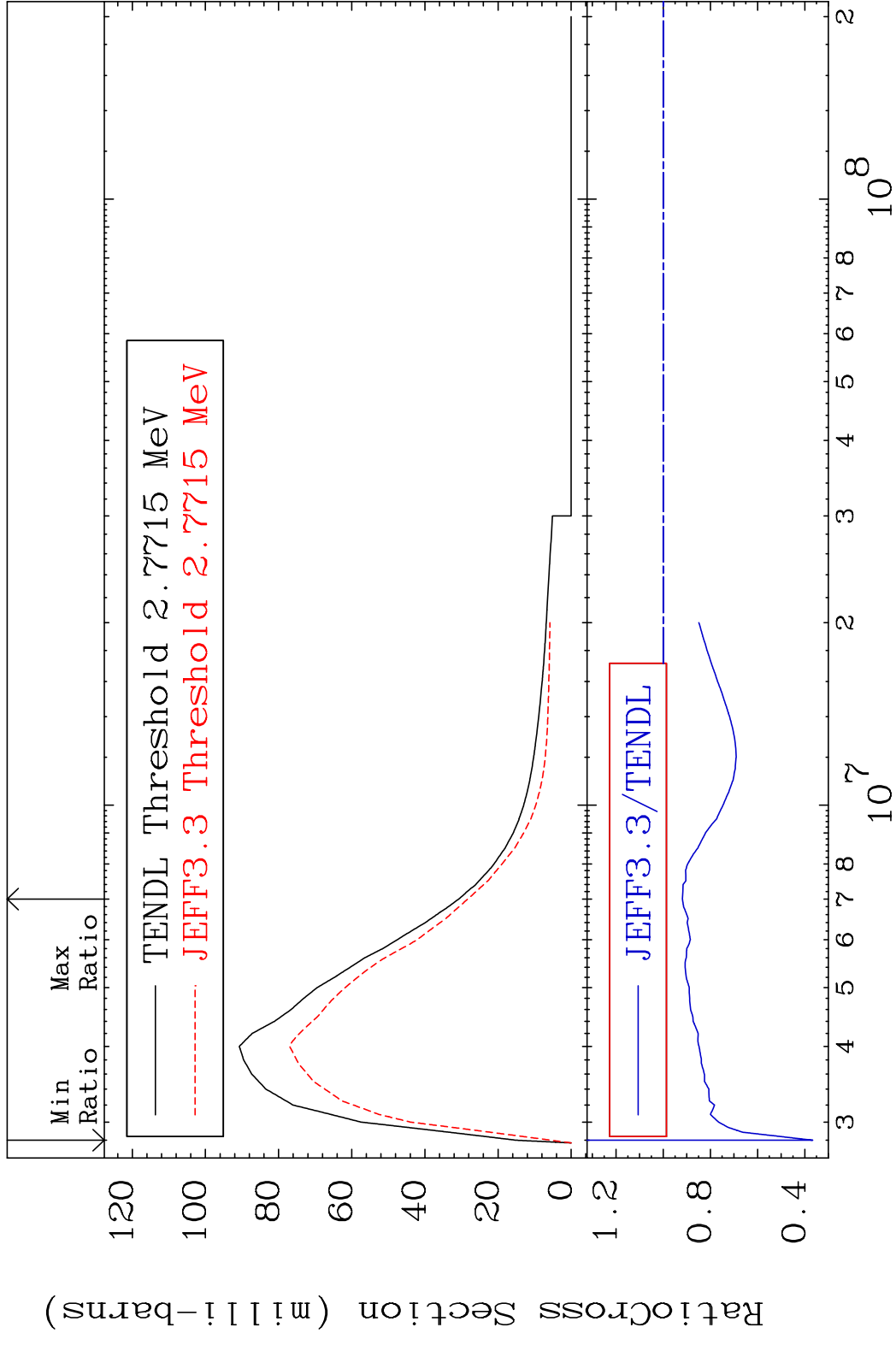


MAT 1725 MT= 53 (n, n') Level 17-C1-35
 Cross Section -31.72 To 58.50 %

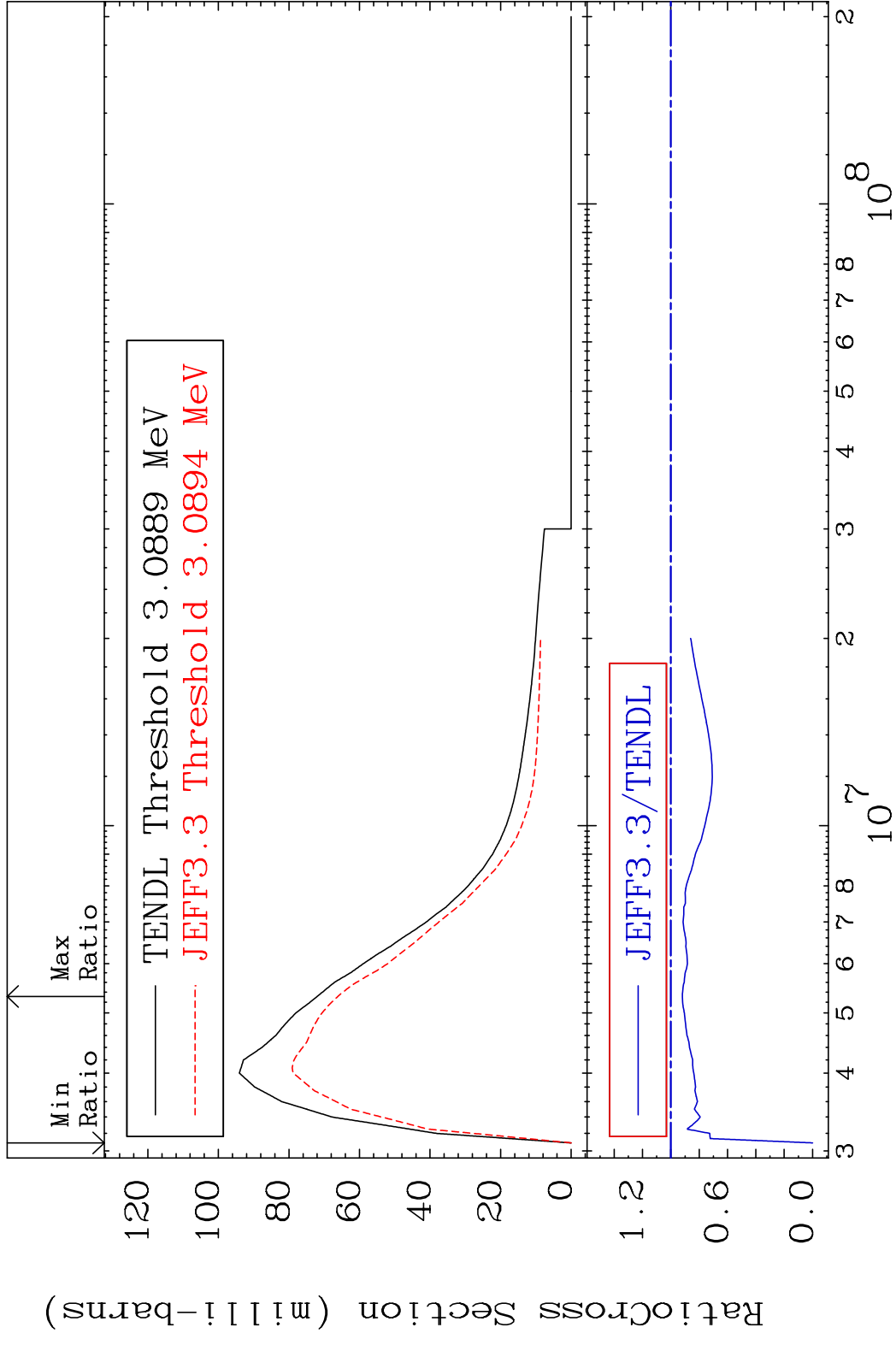


10 Incident Energy (eV) 17-C1-35

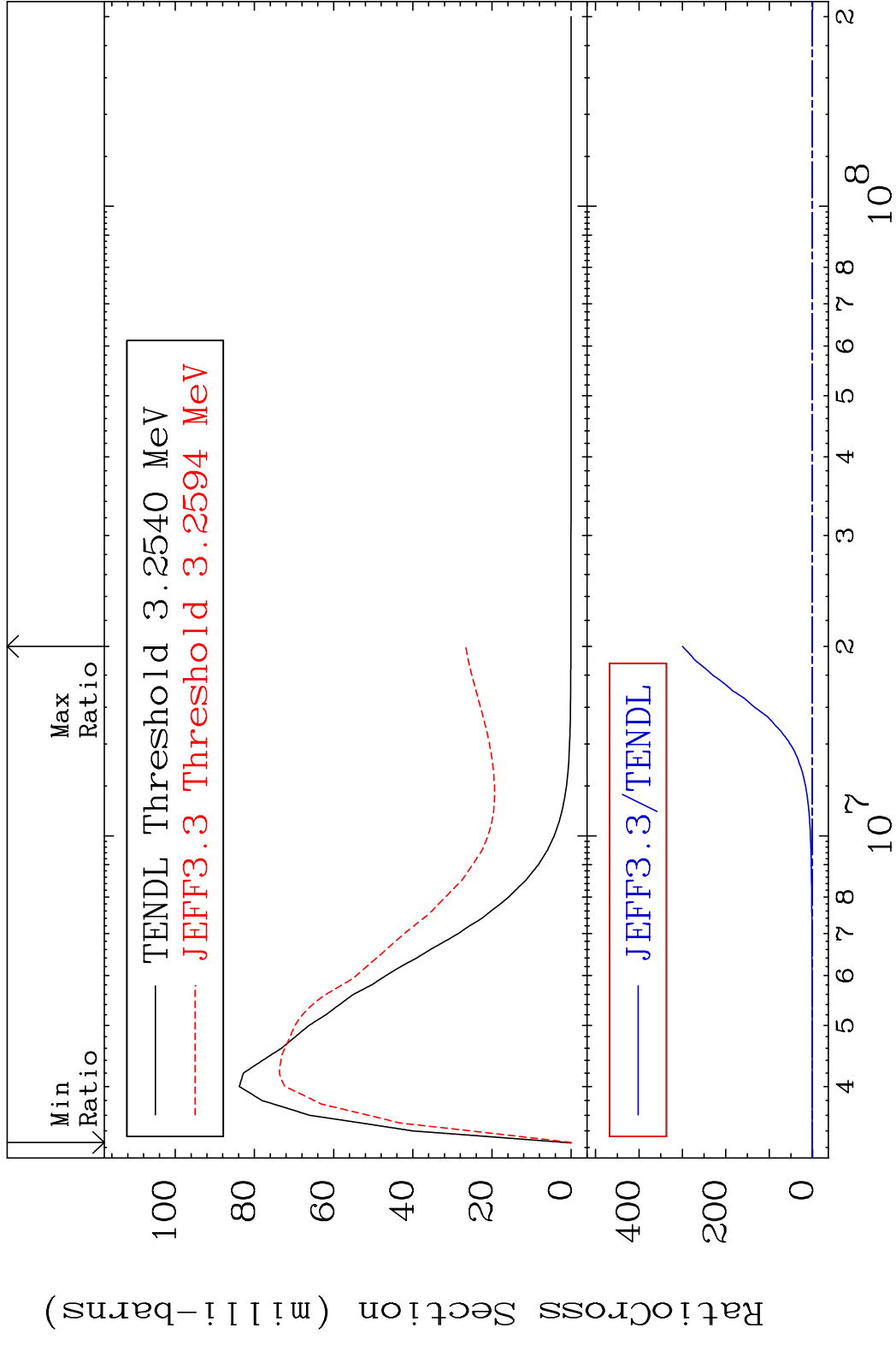
MAT 1725 MT= 54 (n, n') Level 17-C1-35
 Cross Section -63.29 To -8.123%



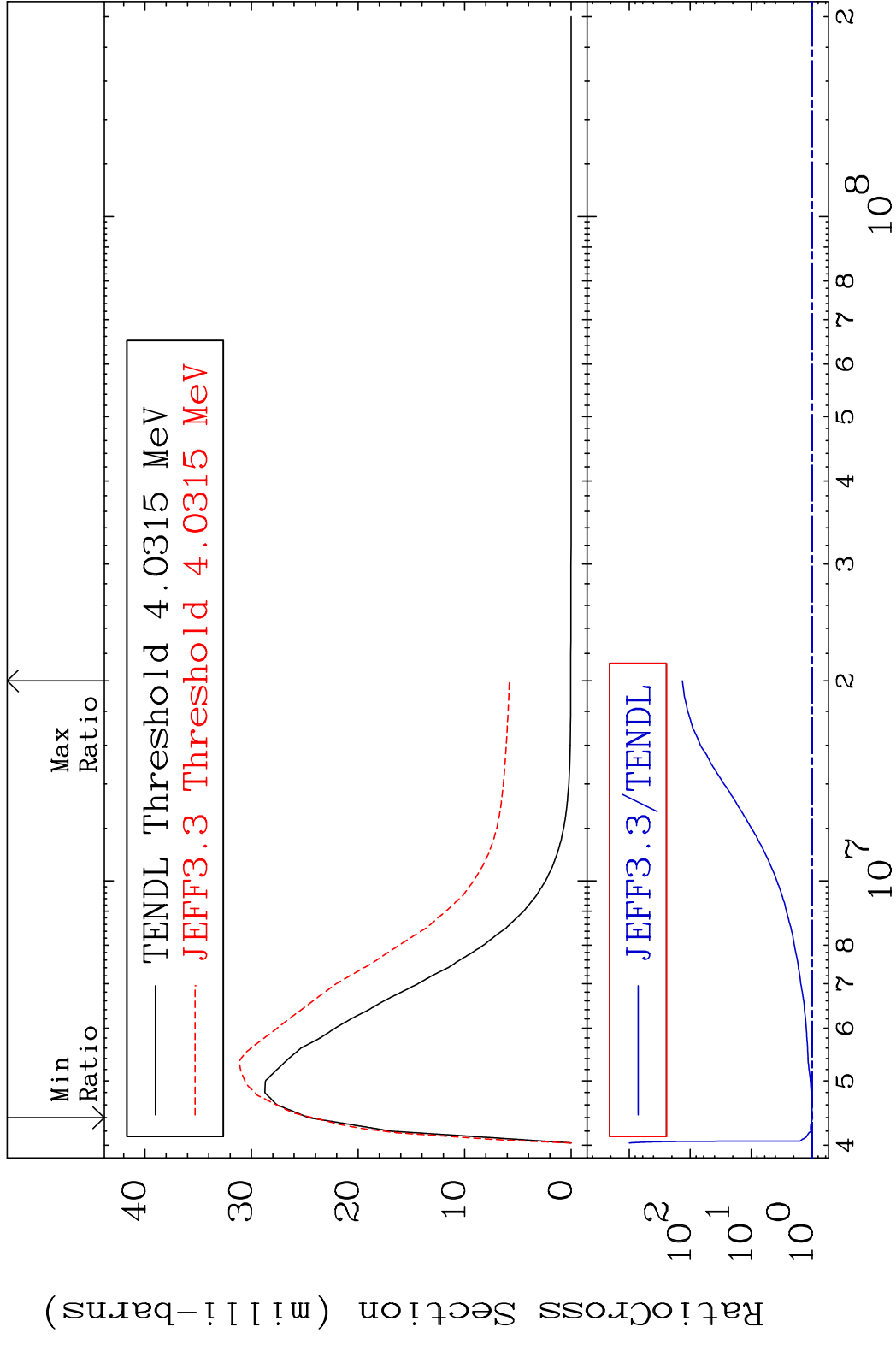
MAT 1725 MT= 55 (n, n') Level 17-C1-35
 Cross Section -100.0 To -8.124%



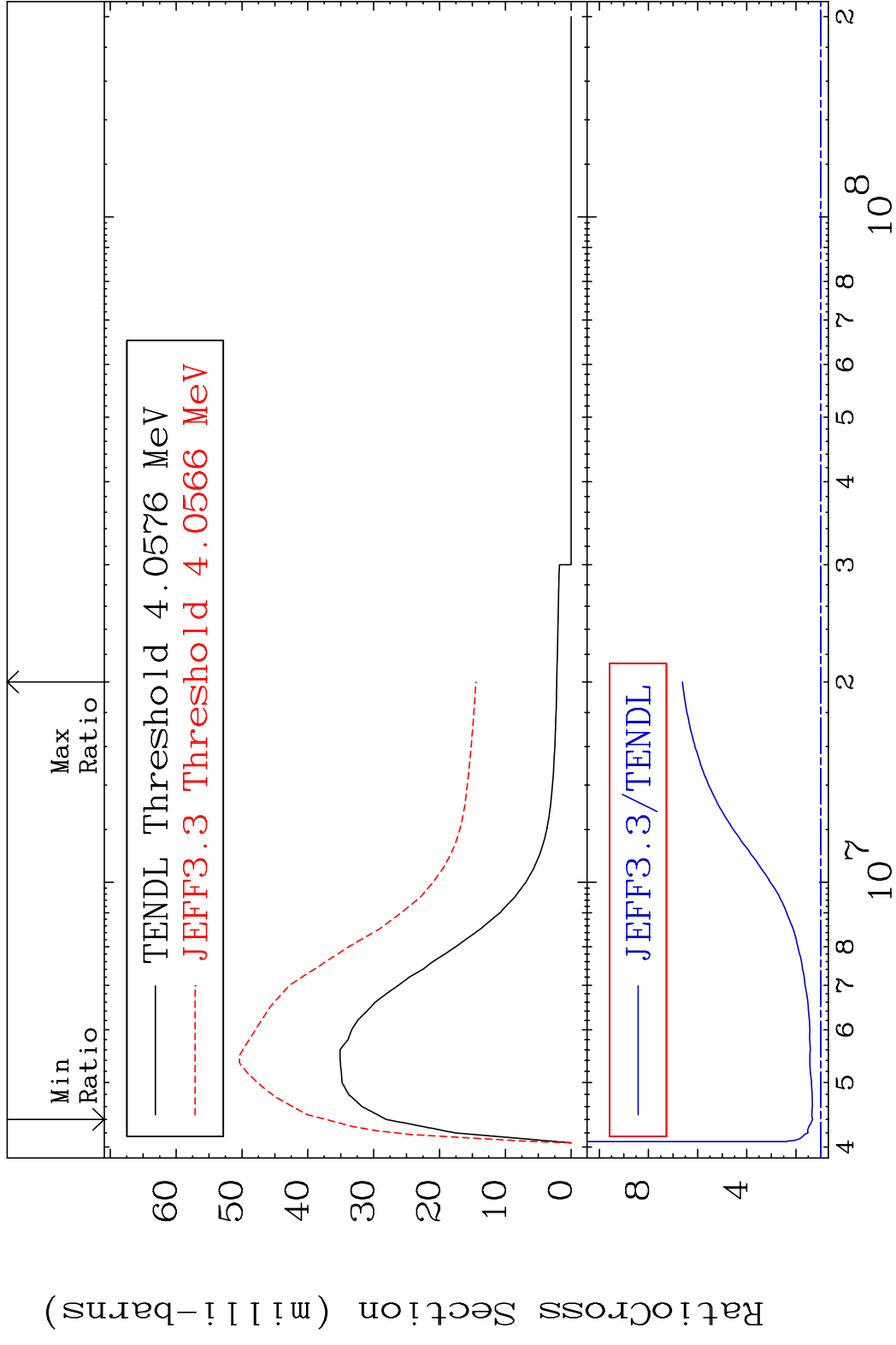
MAT 1725 MT= 56 (n,n') Level 17-C1-35
 Cross Section -100.0 To 9999. %



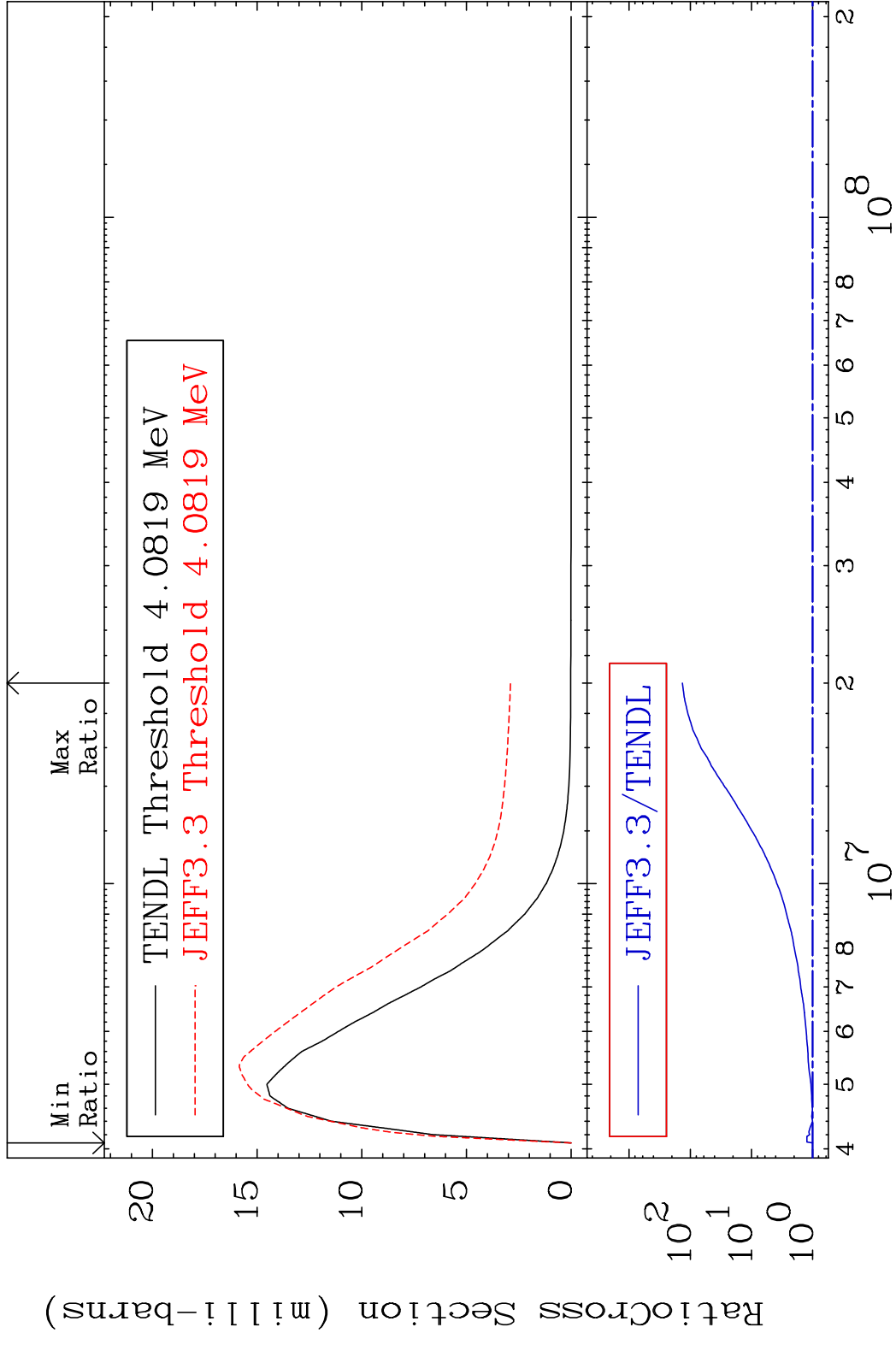
MAT 1725 MT= 57 (n, n') Level 17-C1-35
 Cross Section -1.584 To 9999. %



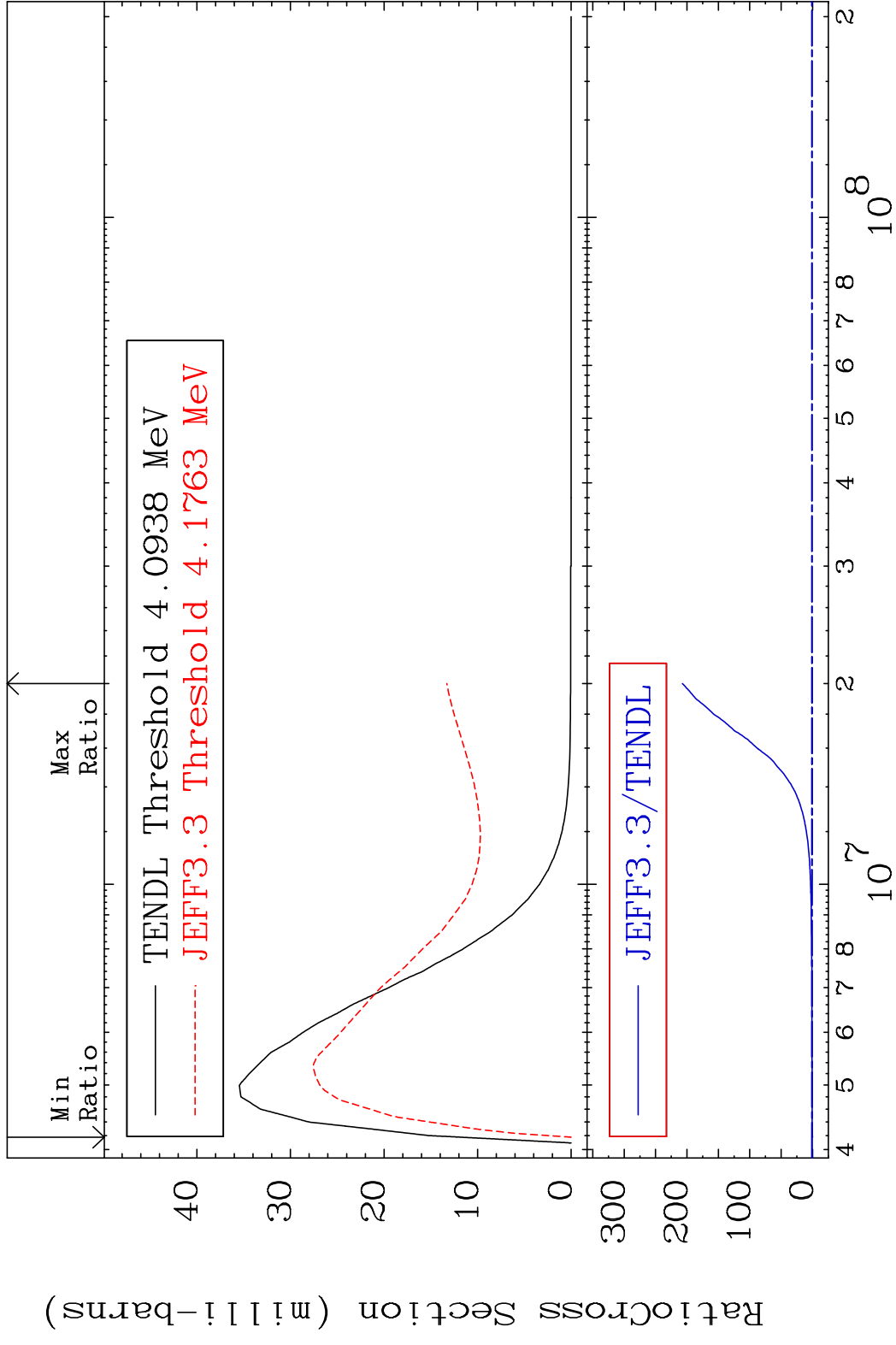
MAT 1725 MT= 58 (n, n') Level 17-C1-35
 Cross Section 32.60 To 562.1 %



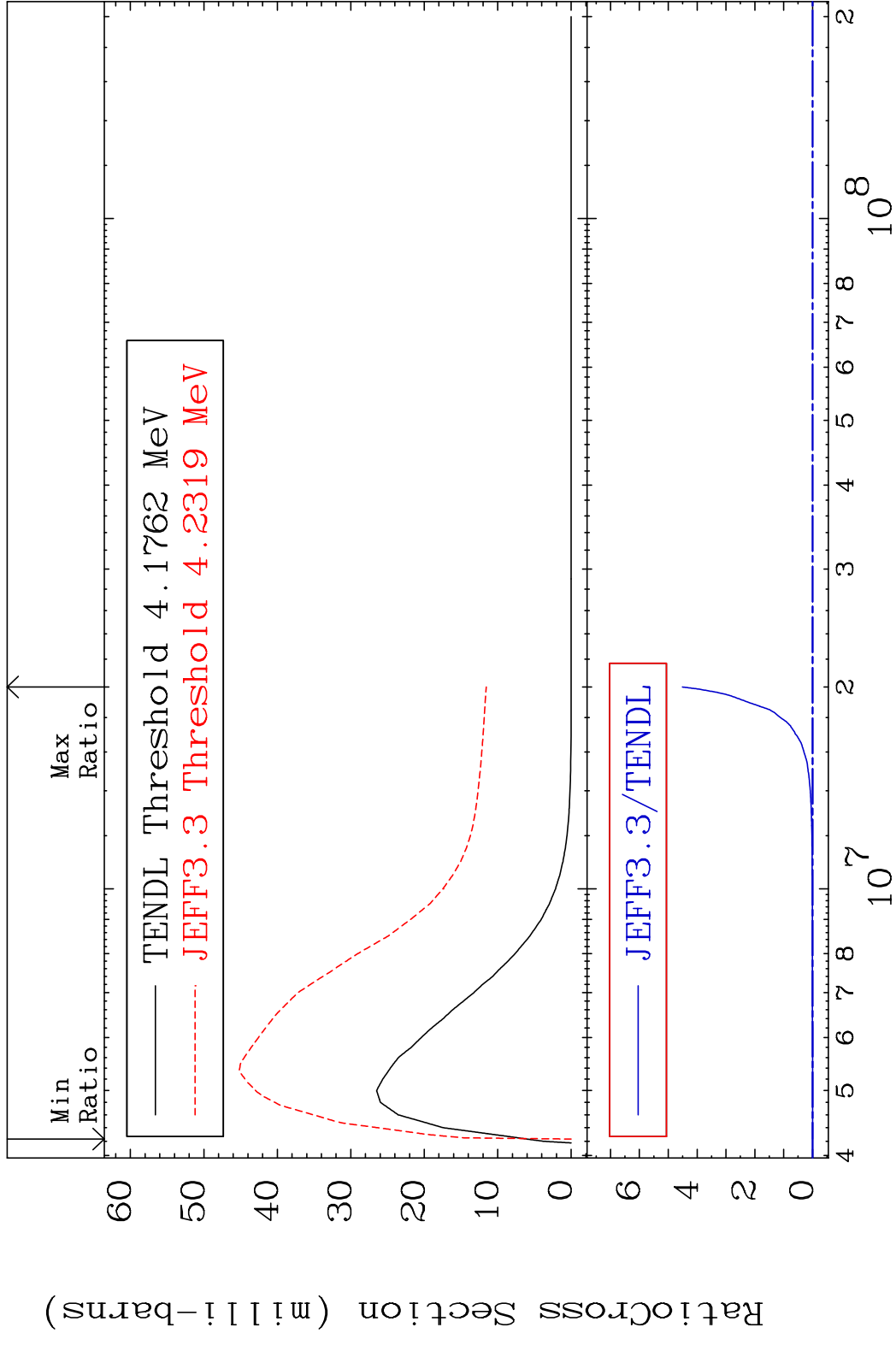
MAT 1725 MT= 59 (n, n') Level 17-C1-35
 Cross Section 0.000 To 9999. %



MAT 1725 MT= 60 (n, n') Level 17-C1-35
 Cross Section -100.0 To 9999. %



MAT 1725 MT= 61 (n, n') Level 17-C1-35
 Cross Section -100.0 To 9999. %

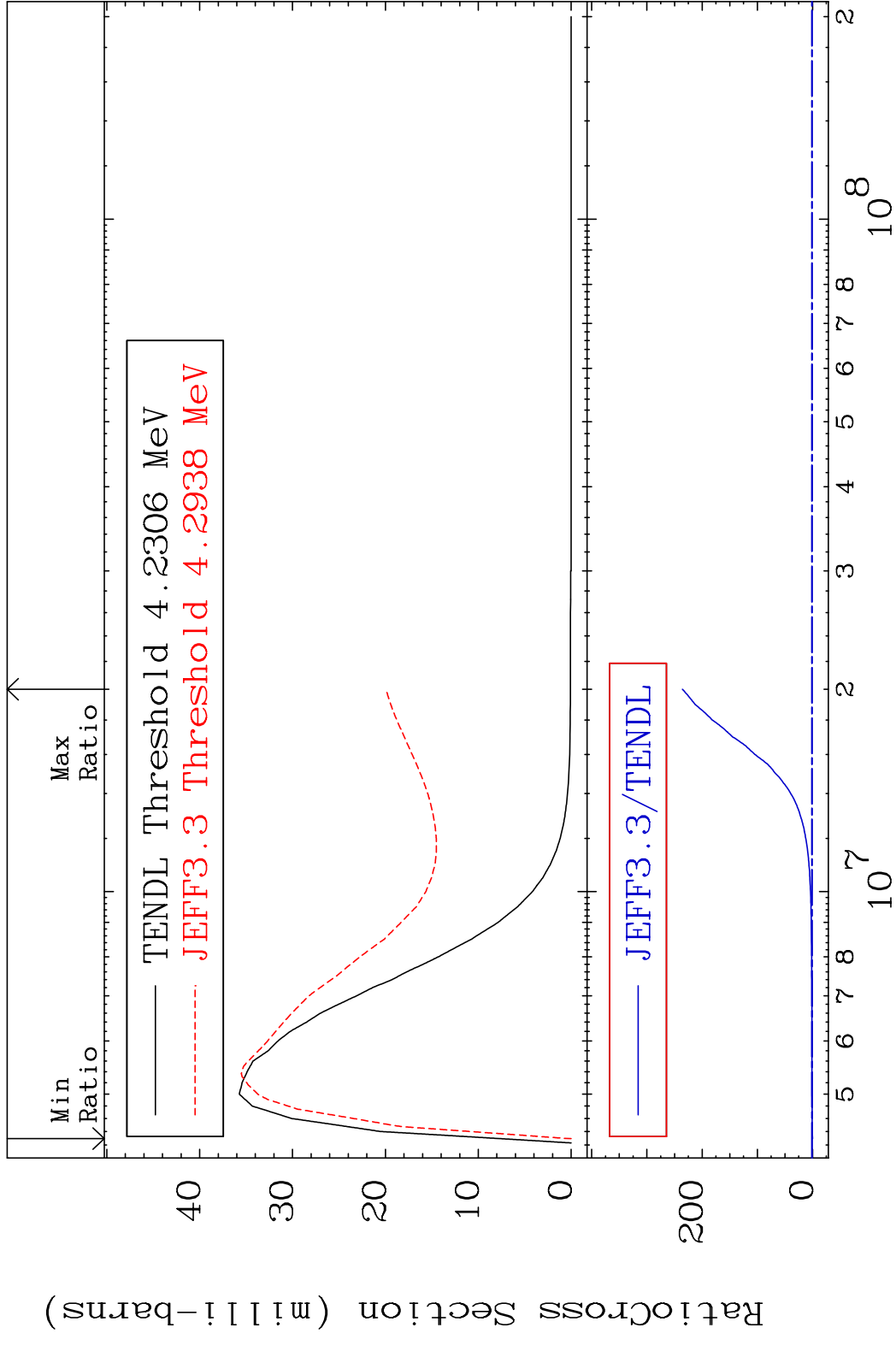


MAT 1725

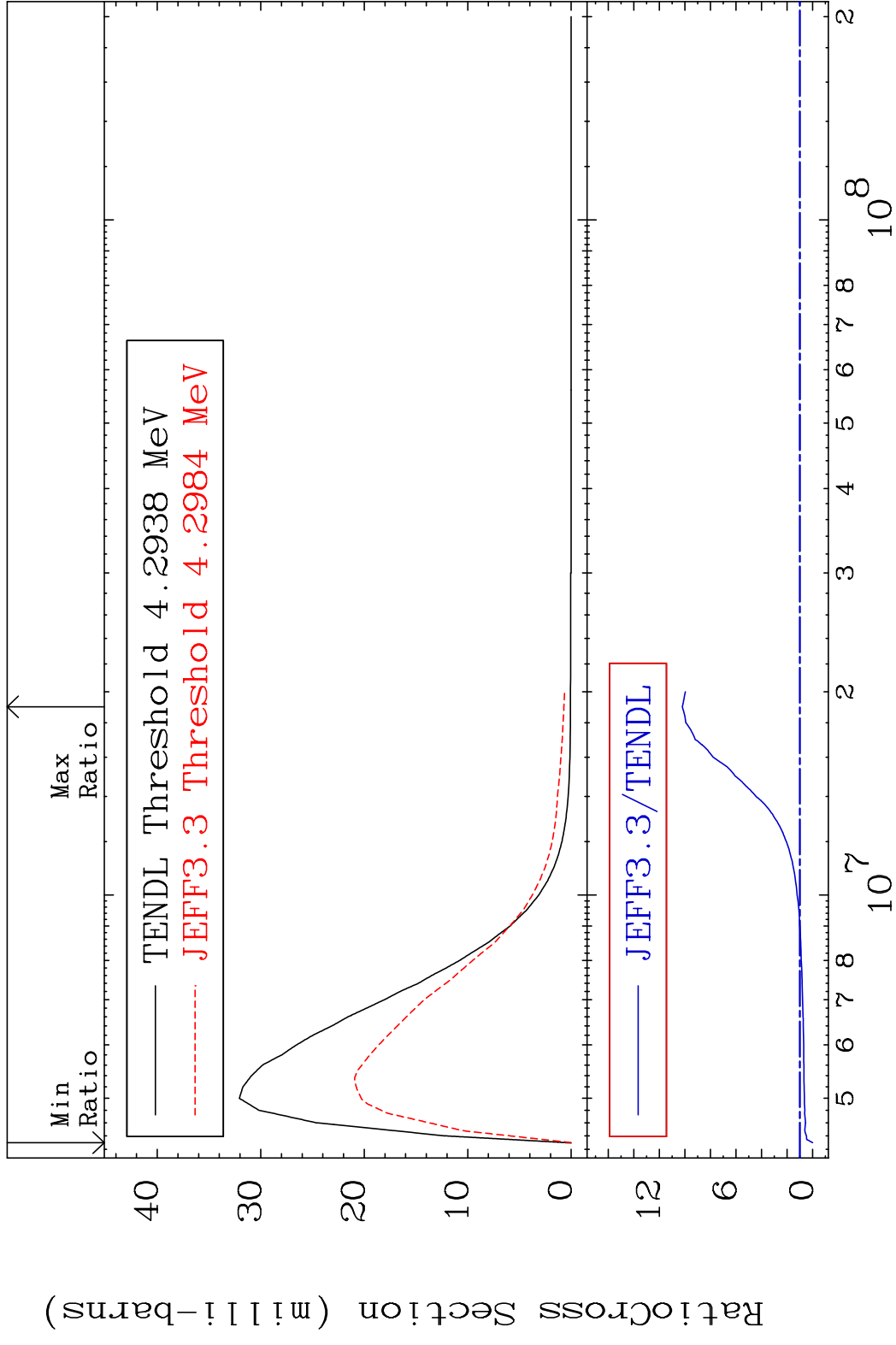
MT= 62 (n, n') Level

17-C1-35

Cross Section -100.0 To 9999. %

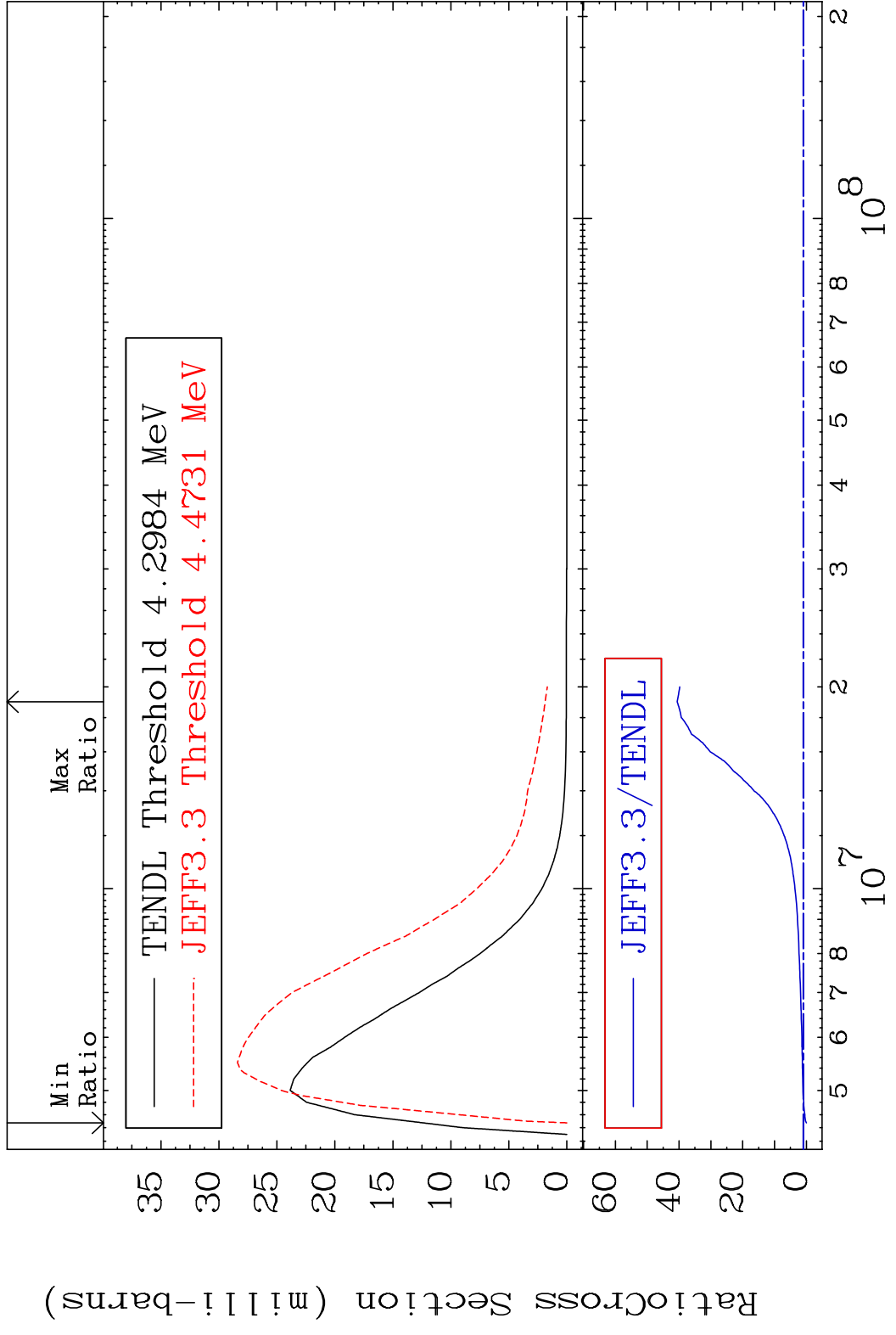


MAT 1725 MT= 63 (n,n') Level 17-C1-35
 Cross Section -100.0 To 919.5 %

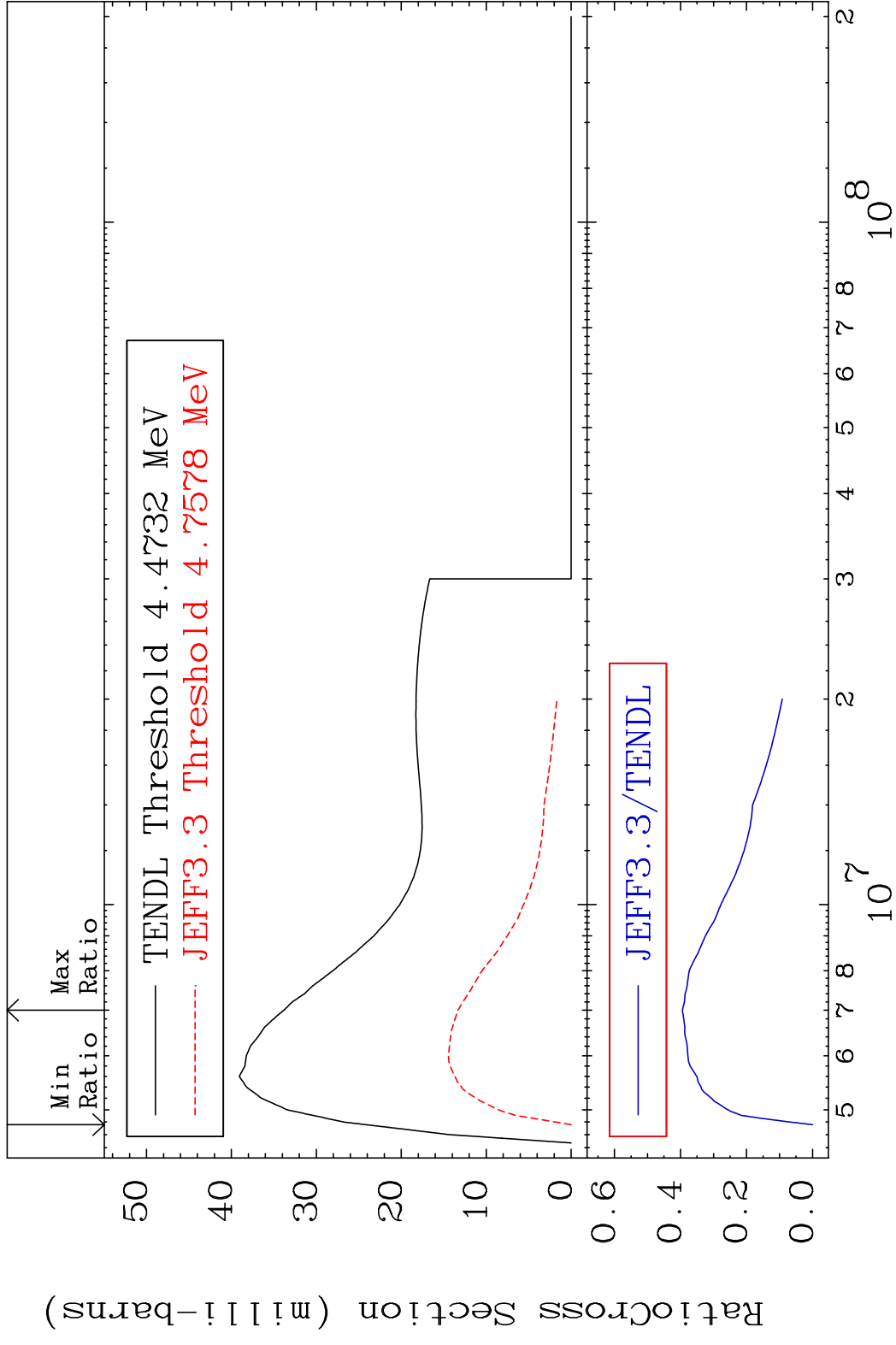


20 17-C1-35

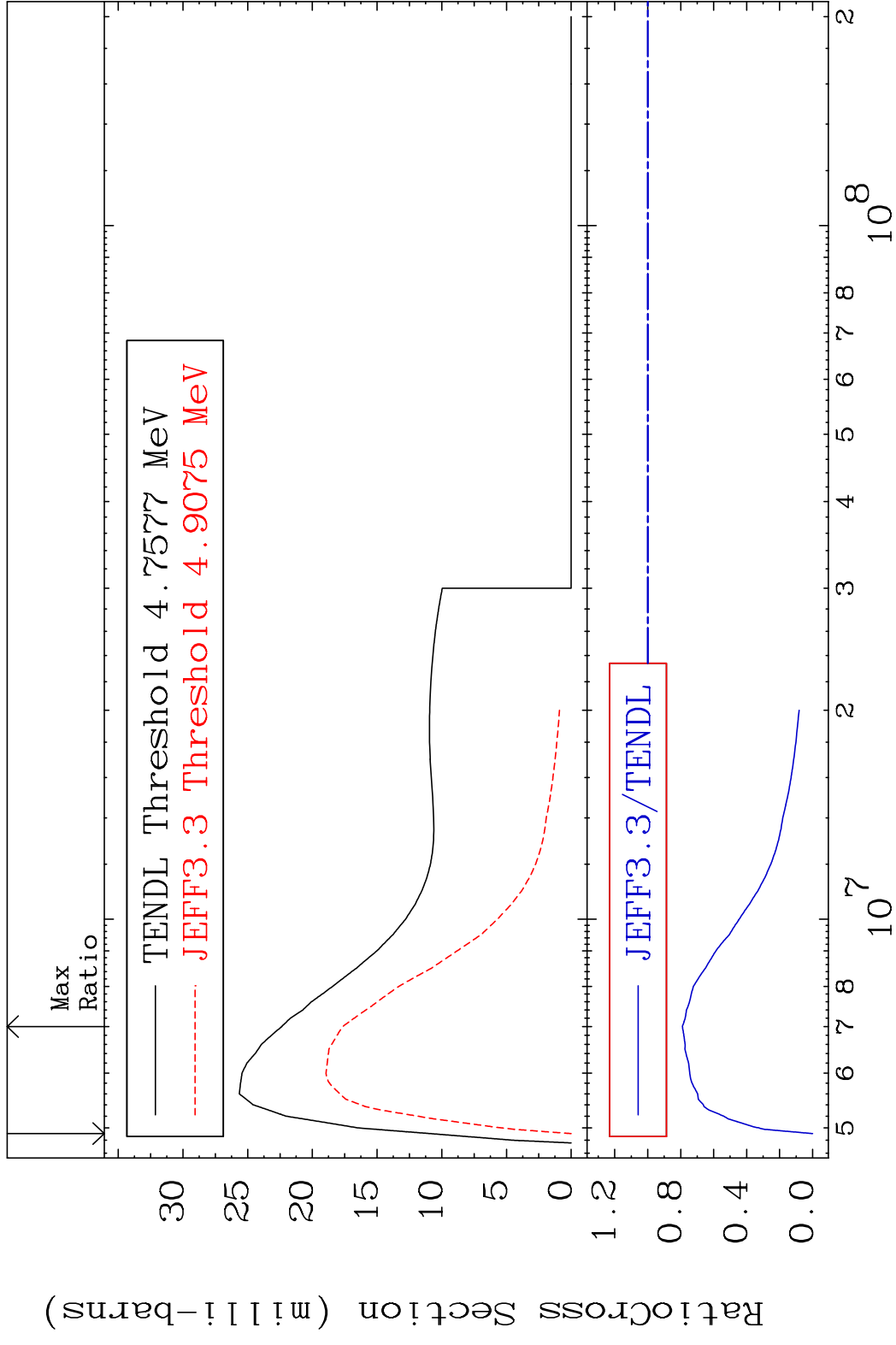
MAT 1725 MT= 64 (n, n') Level 17-C1-35
 Cross Section -100.0 To 3959. %



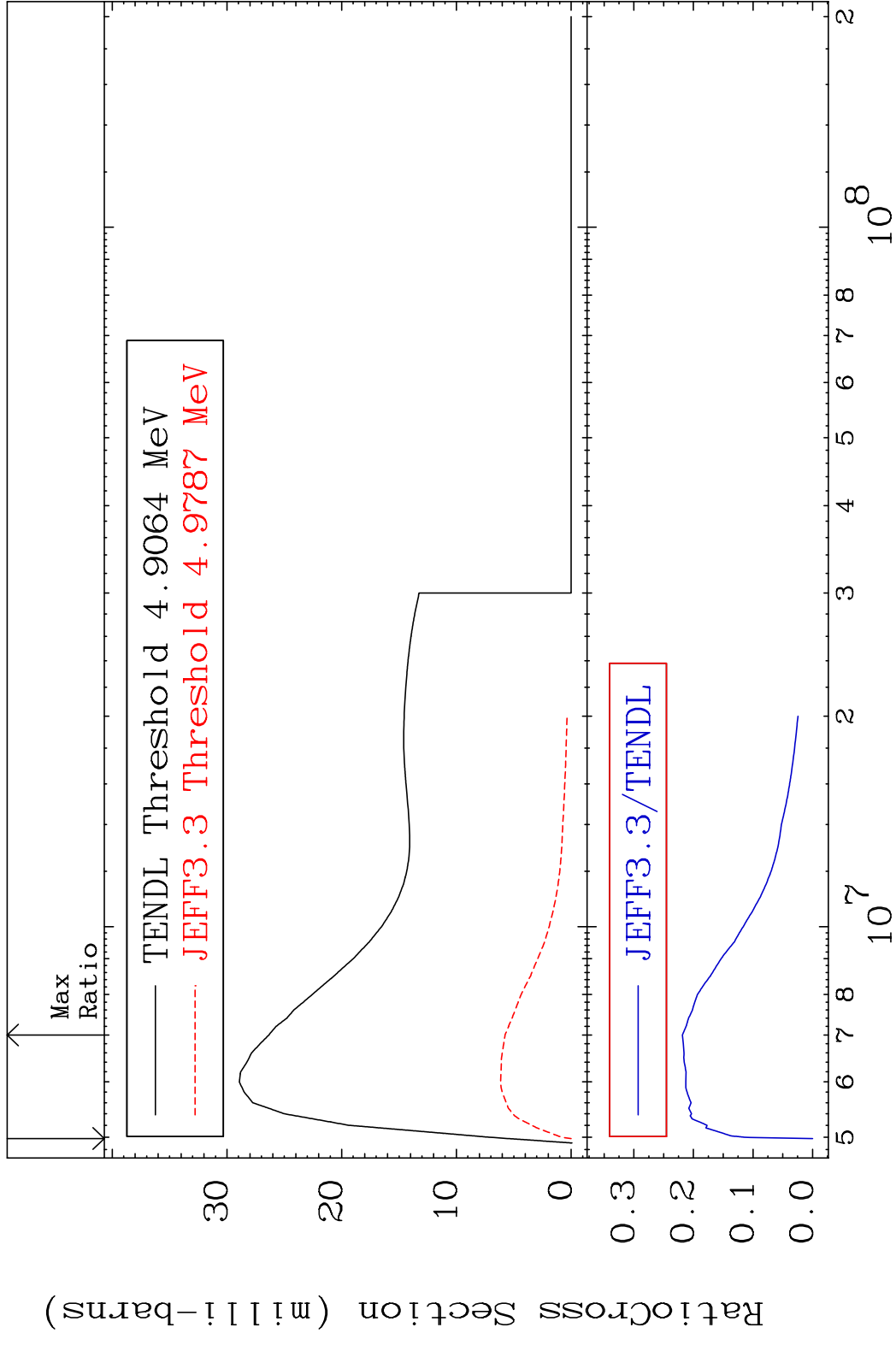
MAT 1725 MT= 65 (n, n') Level 17-C1-35
 Cross Section -100.0 To -60.56%



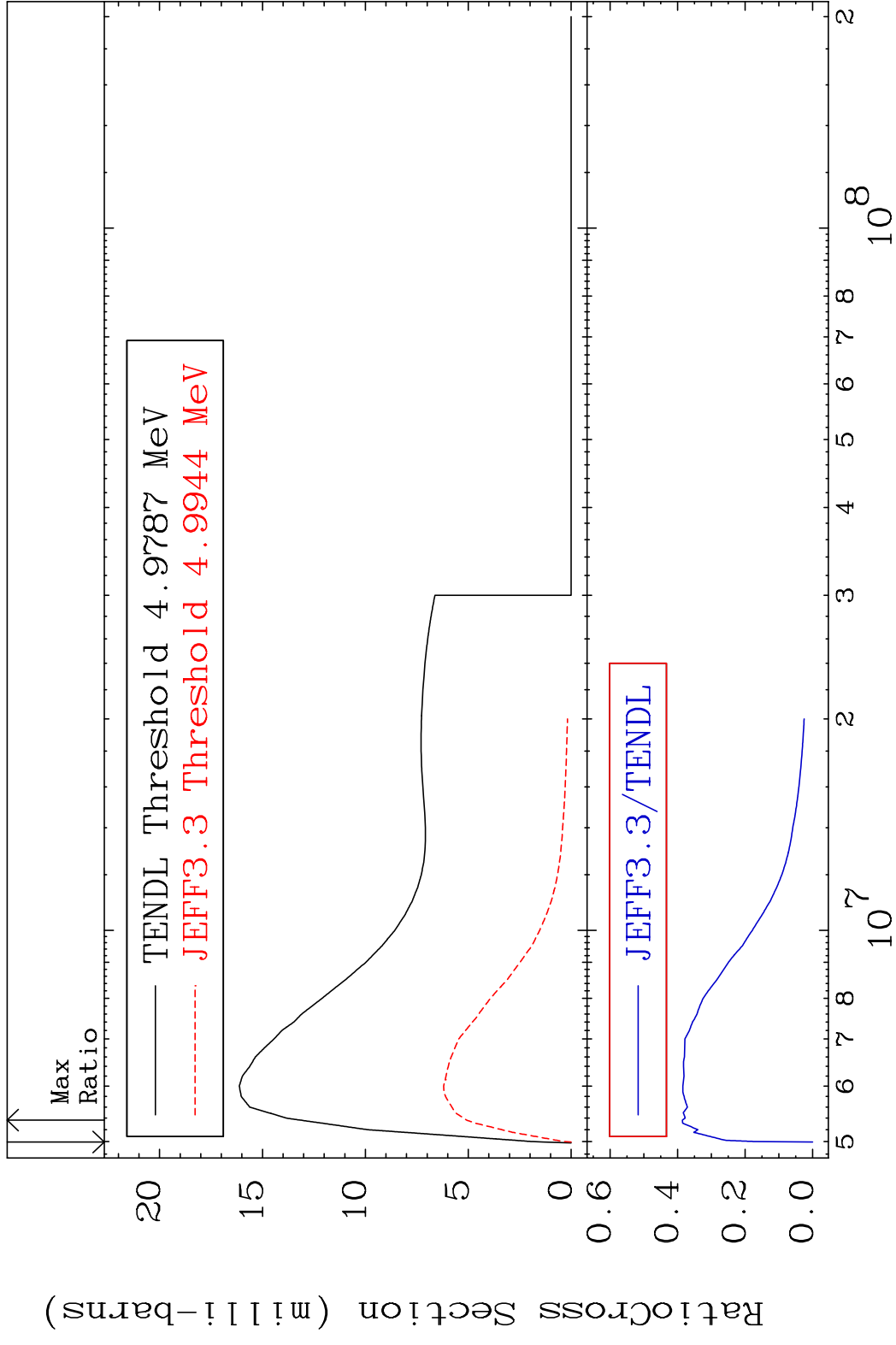
MAT 1725 MT= 66 (n, n') Level 17-C1-35
 Cross Section -100.0 To -21.00%



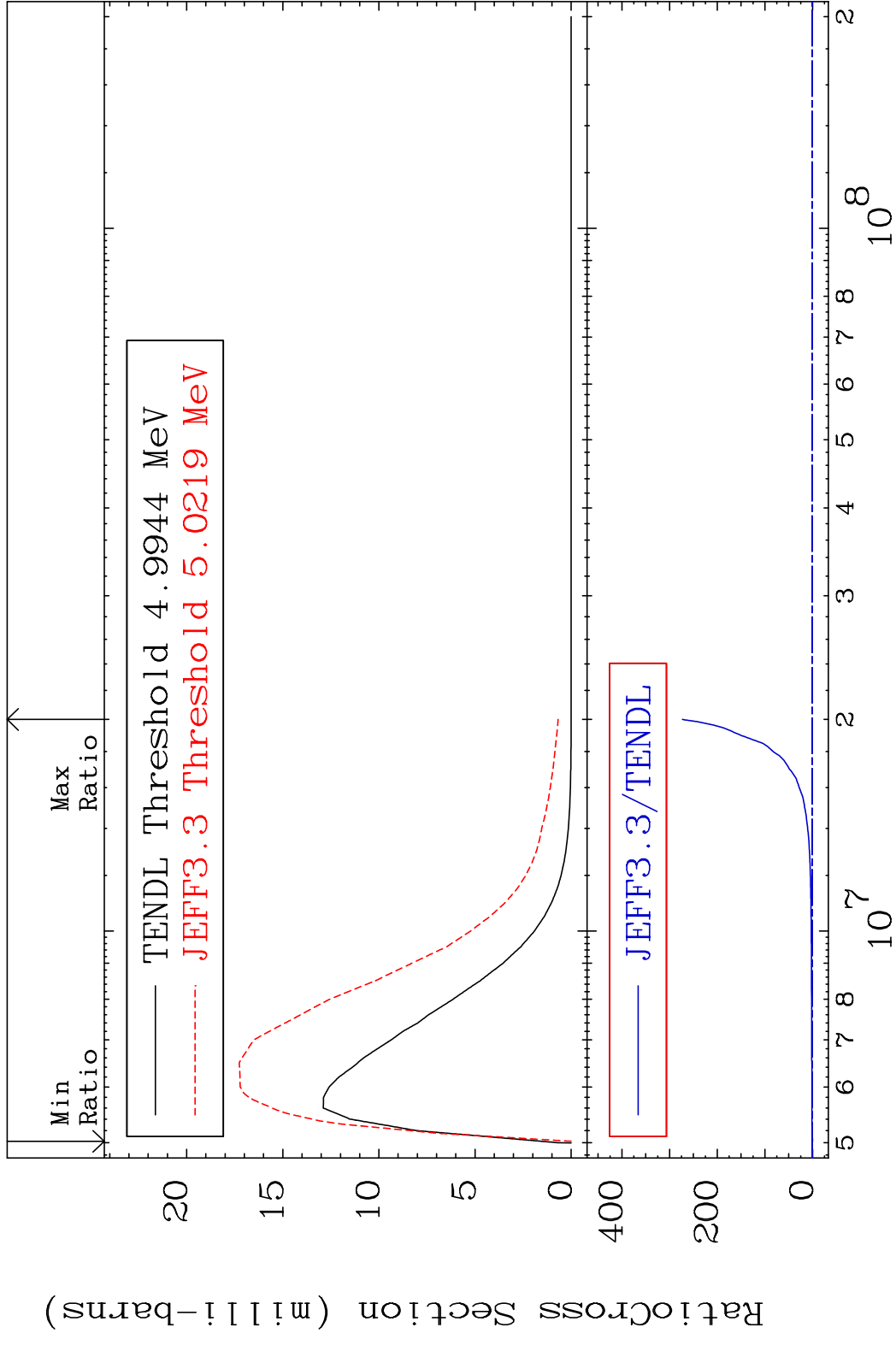
MAT 1725 MT= 67 (n, n') Level 17-C1-35
 Cross Section -100.0 To -78.14%



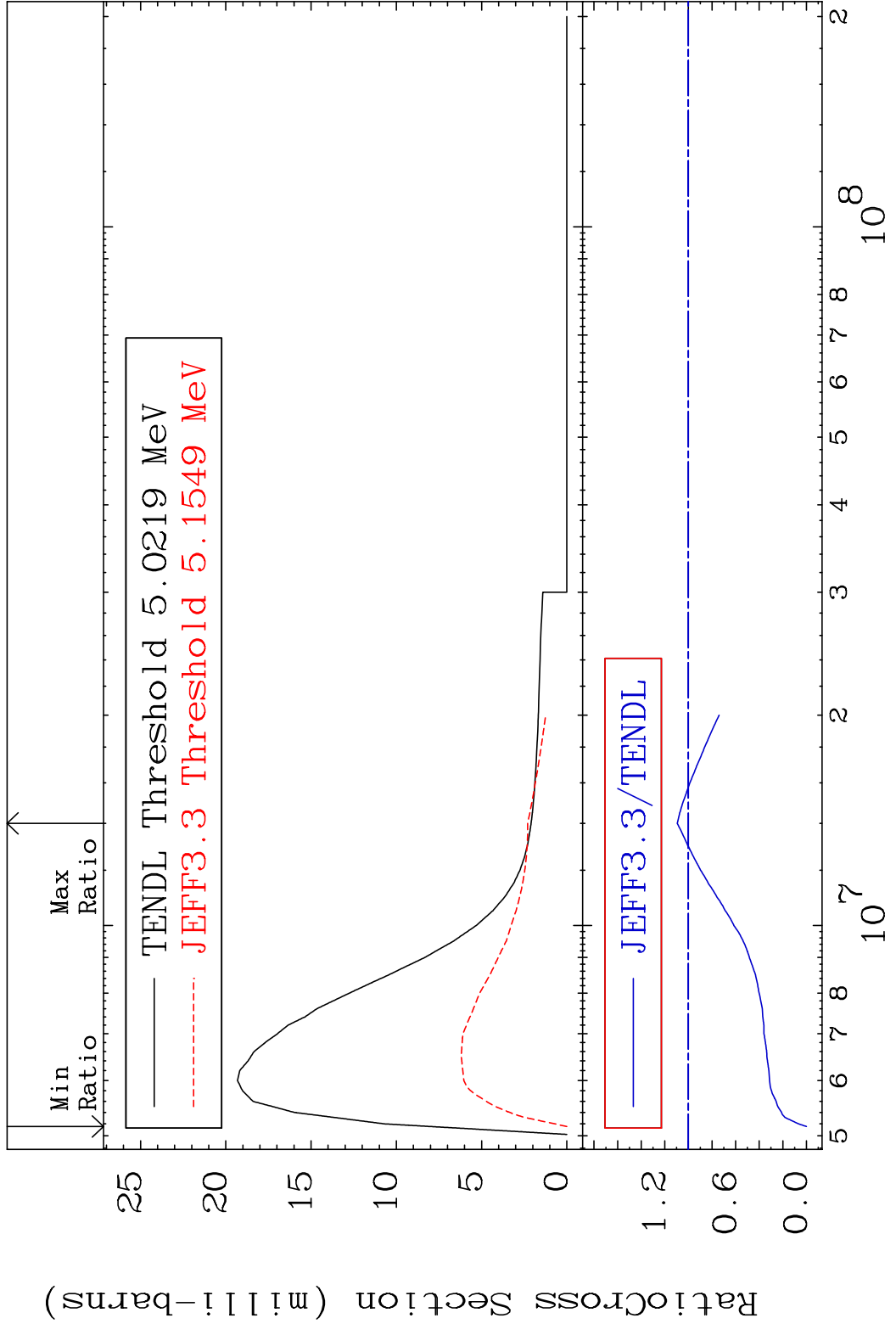
MAT 1725 MT= 68 (n, n') Level 17-C1-35
 Cross Section -100.0 To -61.41%



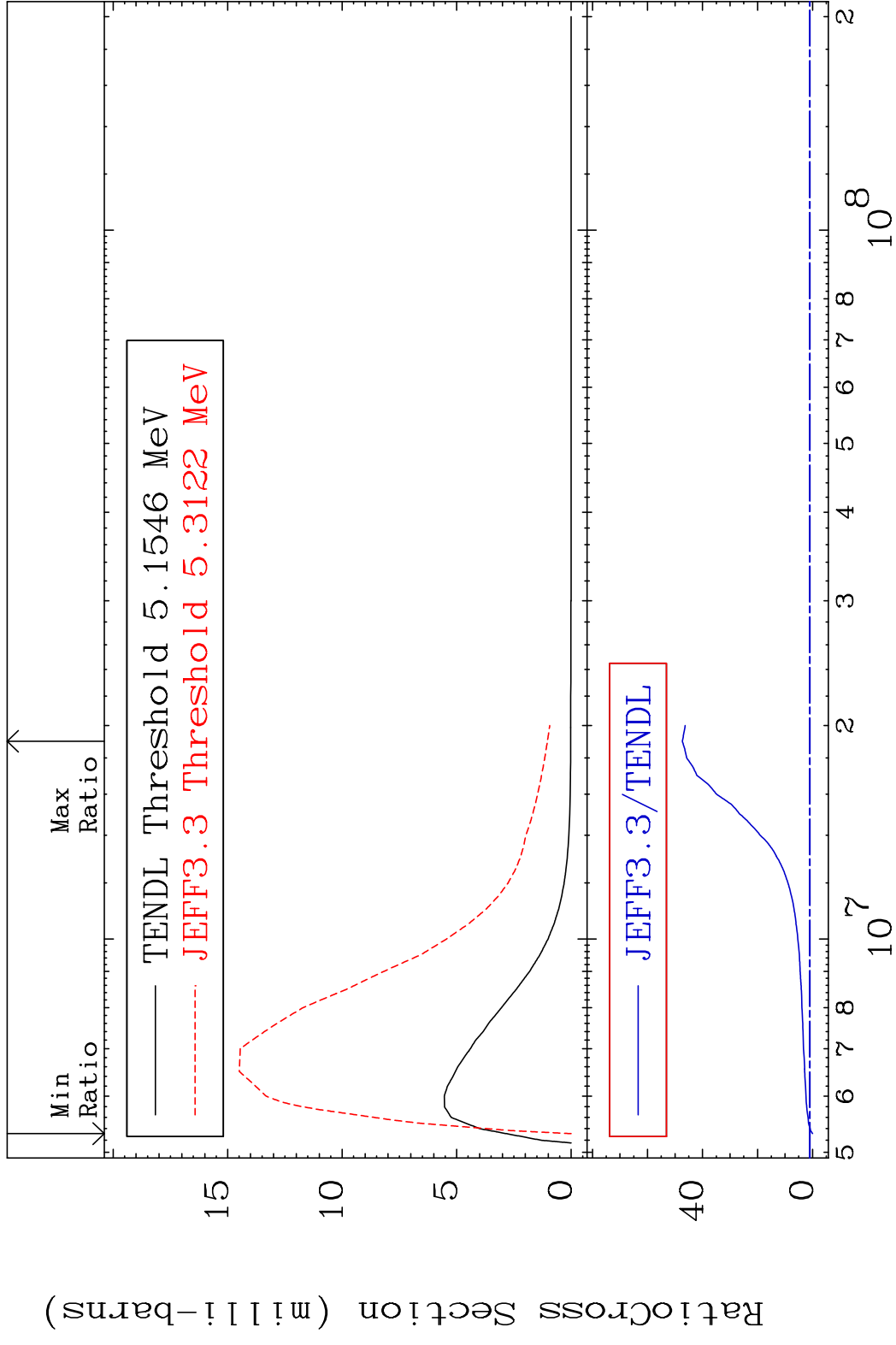
MAT 1725 MT= 69 (n, n') Level 17-C1-35
 Cross Section -100.0 To 9999. %



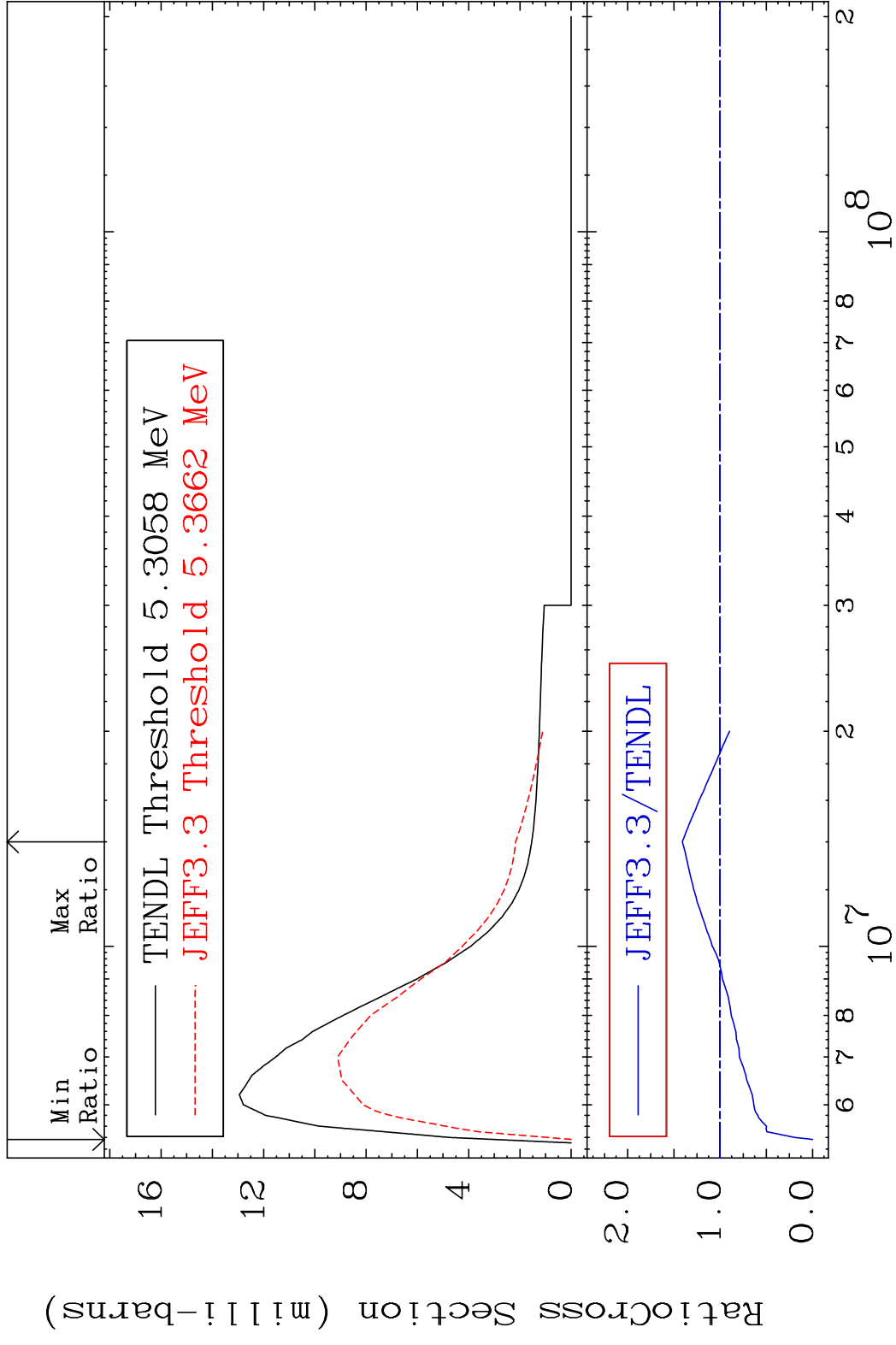
MAT 1725 MT= 70 (n, n') Level 17-Cl-35
 Cross Section -100.0 To 9.513 %



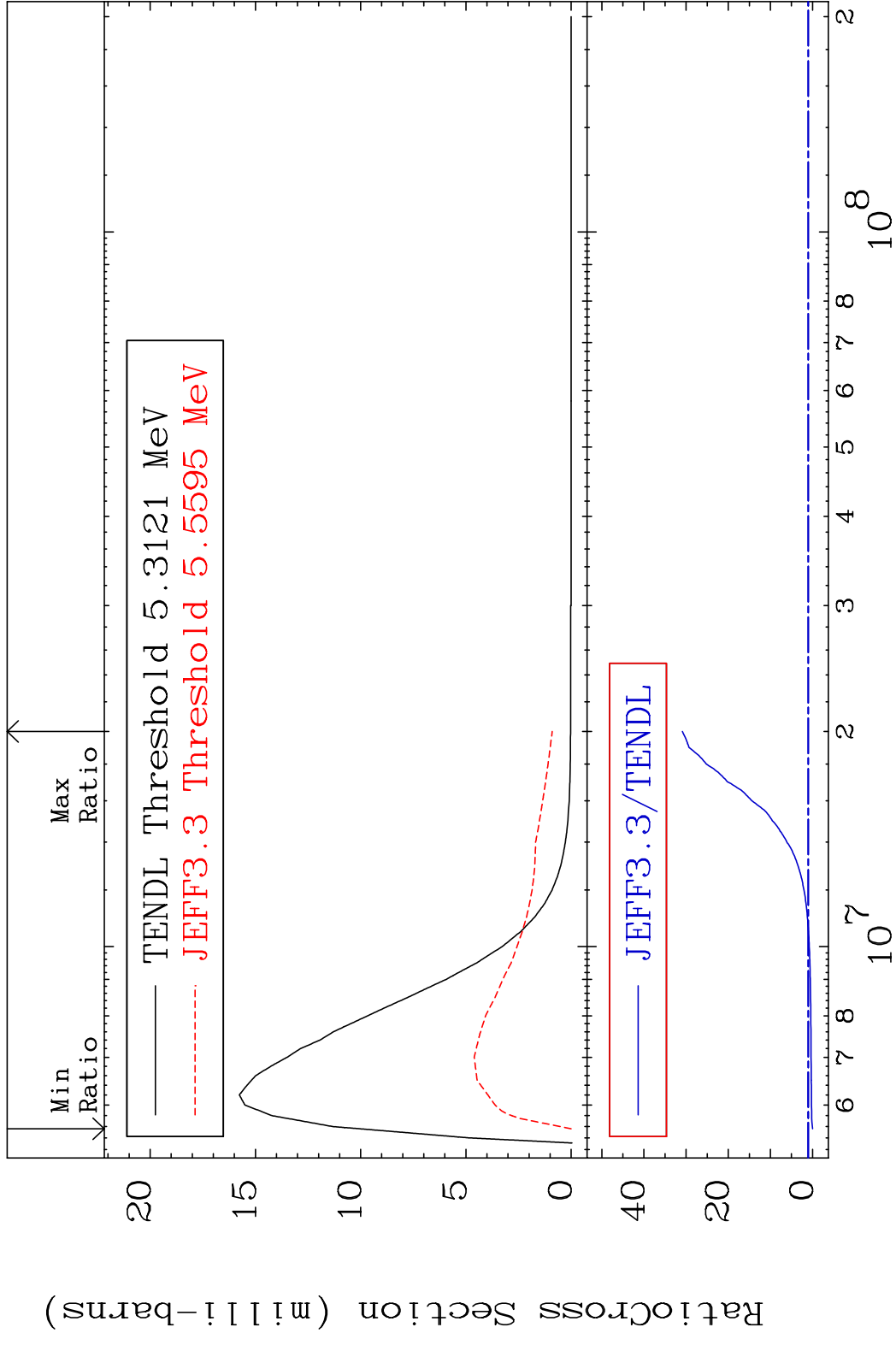
MAT 1725 MT= 71 (n, n') Level 17-C1-35
 Cross Section -100.0 To 4633. %



MAT 1725 MT= 72 (n, n') Level 17-C1-35
 Cross Section -100.0 To 40.83 %

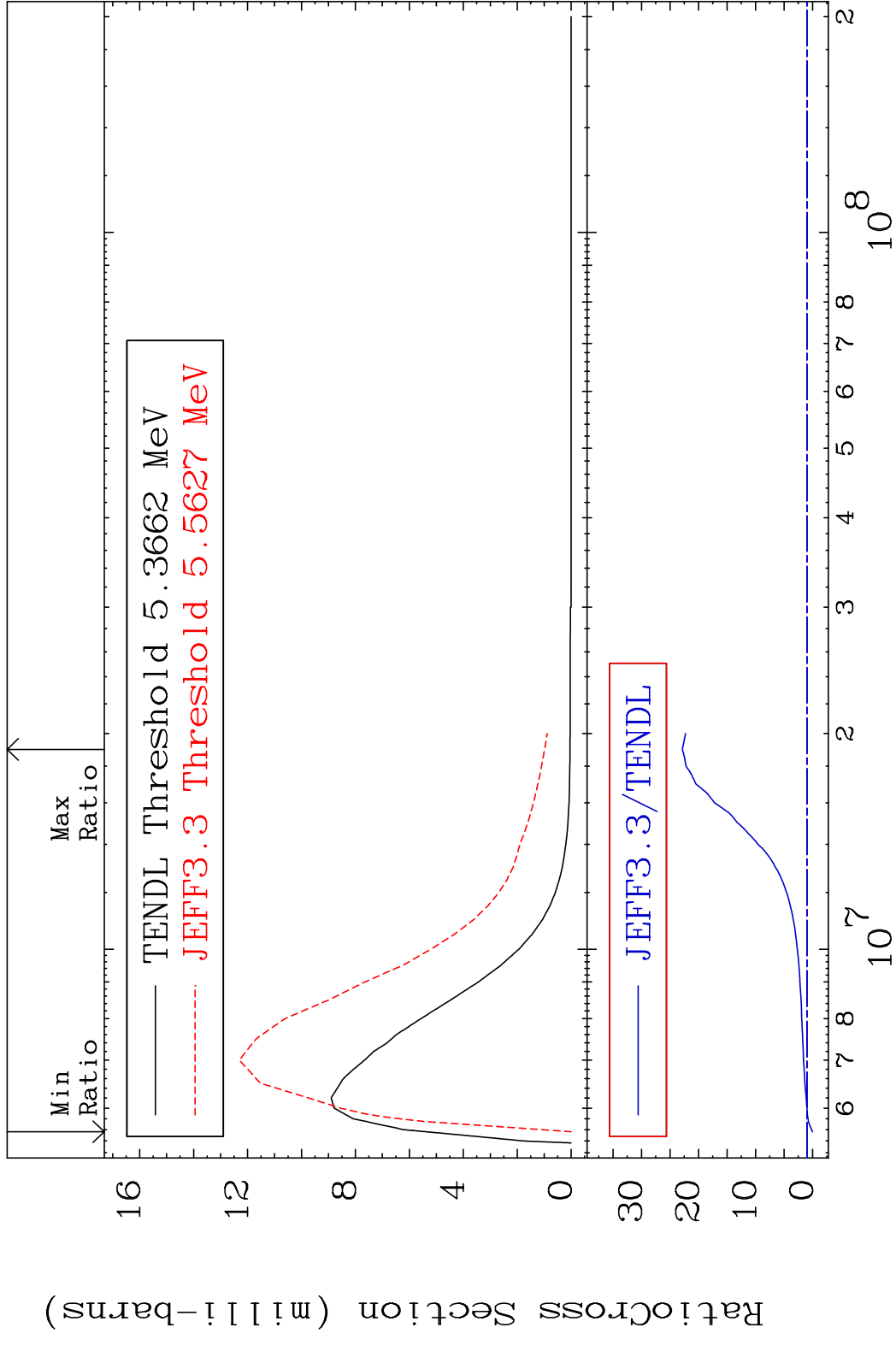


MAT 1725 MT= 73 (n, n') Level 17-C1-35
 Cross Section -100.0 To 2989. %

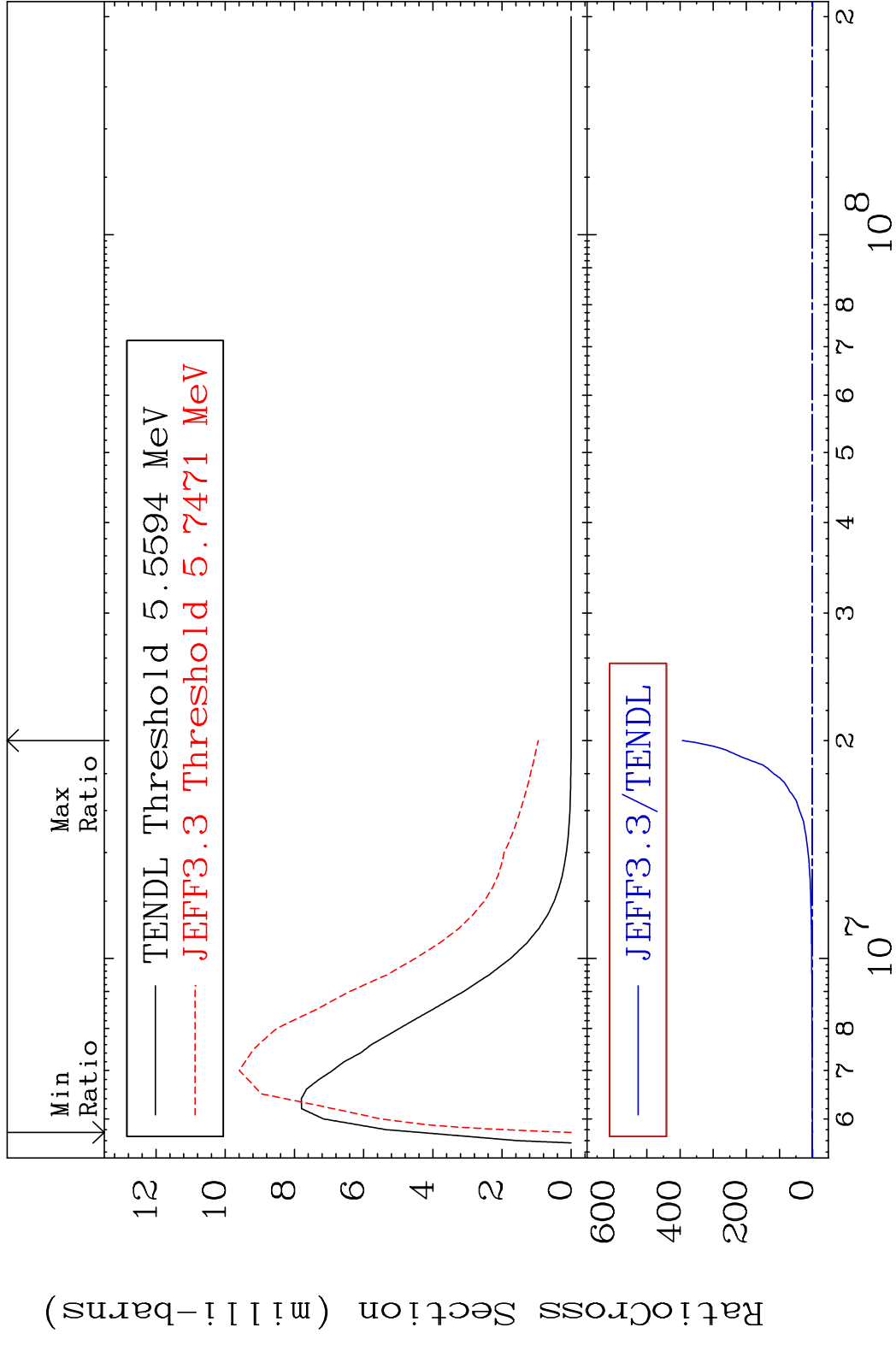


30 Incident Energy (eV) 17-C1-35

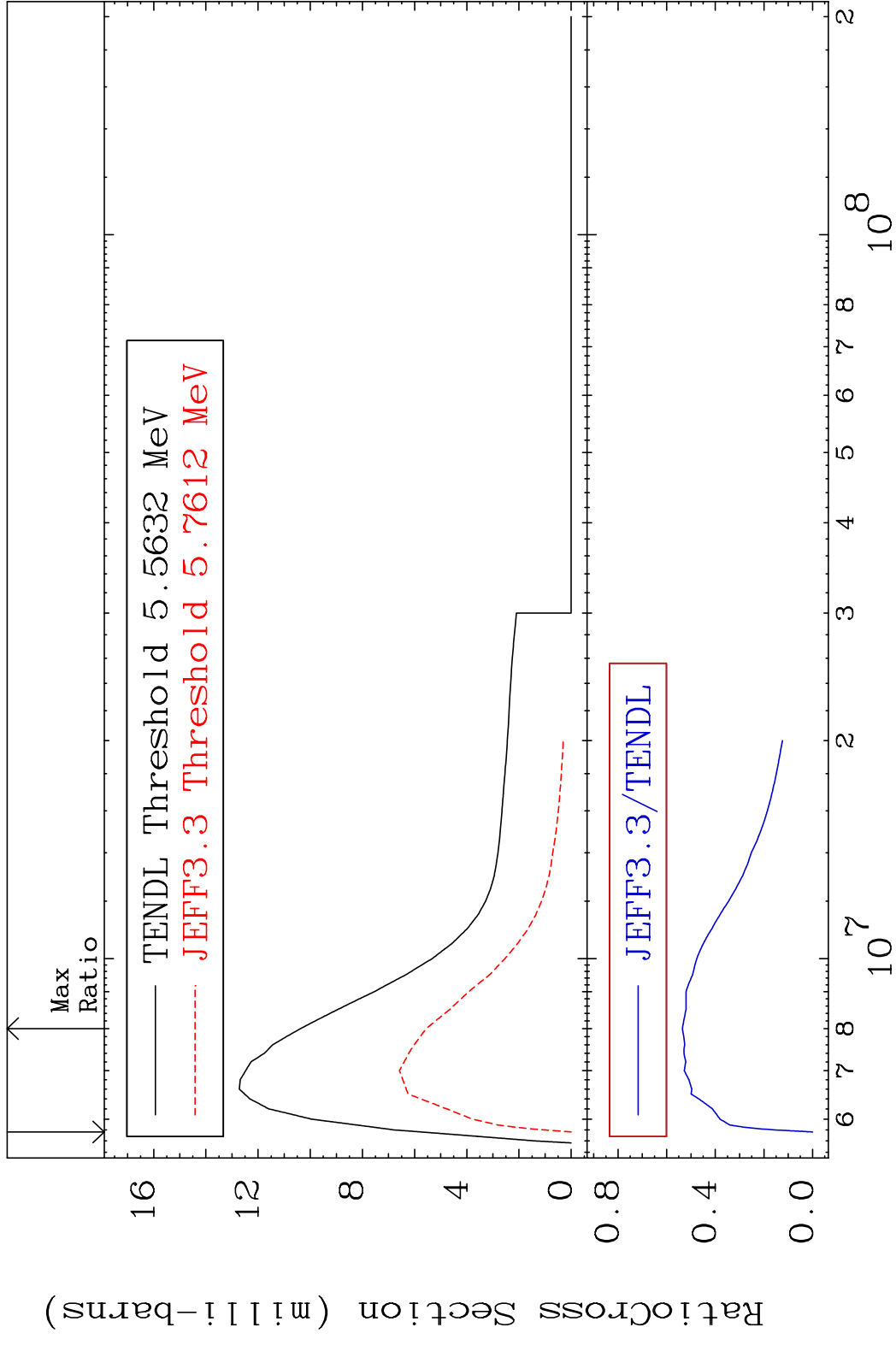
MAT 1725 MT= 74 (n, n') Level 17-C1-35
 Cross Section -100.0 To 2184. %



MAT 1725 MT= 75 (n, n') Level 17-C1-35
 Cross Section -100.0 To 9999. %



MAT 1725 MT= 76 (n,n') Level 17-C1-35
 Cross Section -100.0 To -46.45%

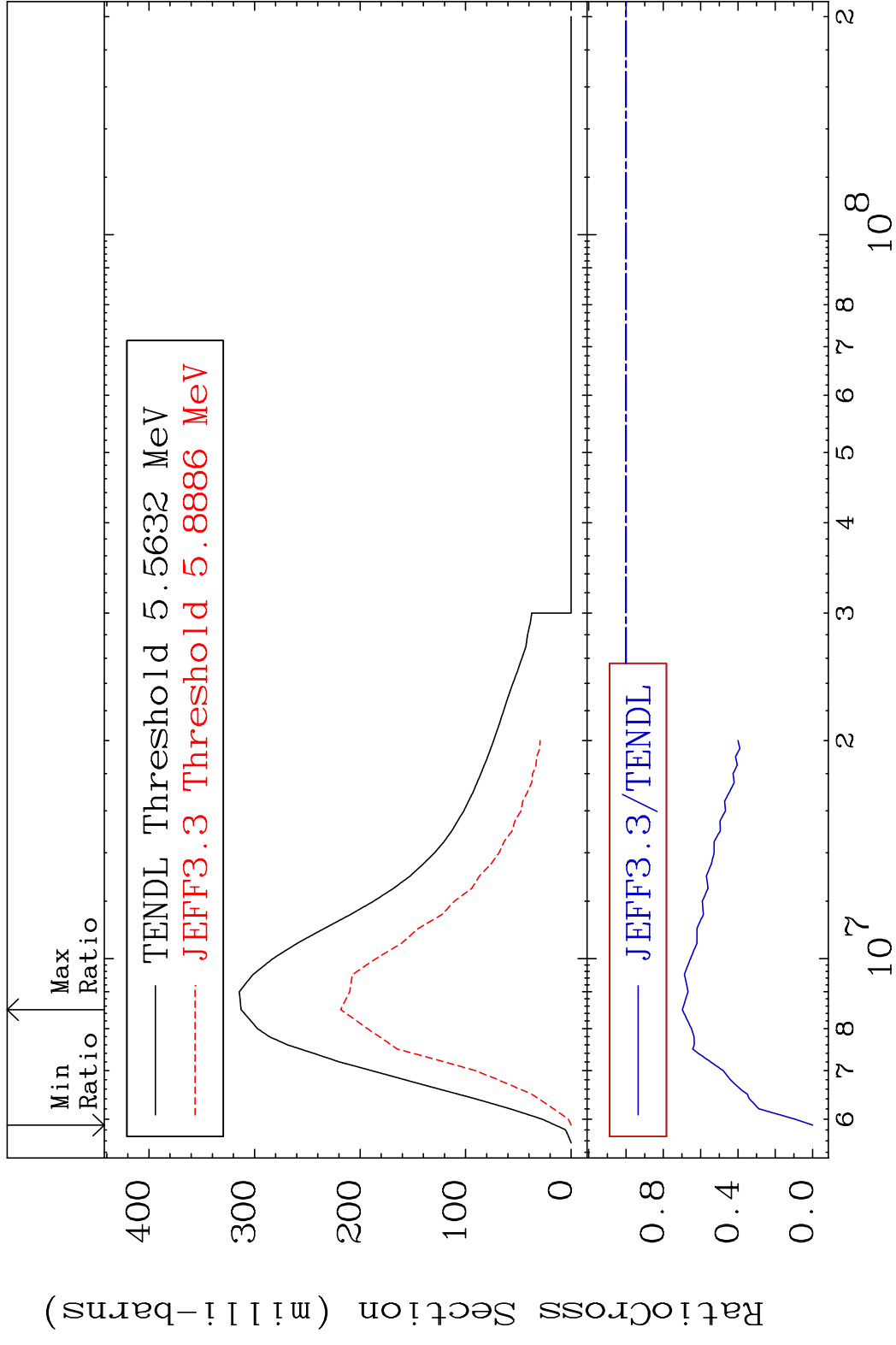


MAT 1725

(n,n') Continuum

17-C1-35

Cross Section -100.0 To -30.19%



34

Incident Energy (eV)

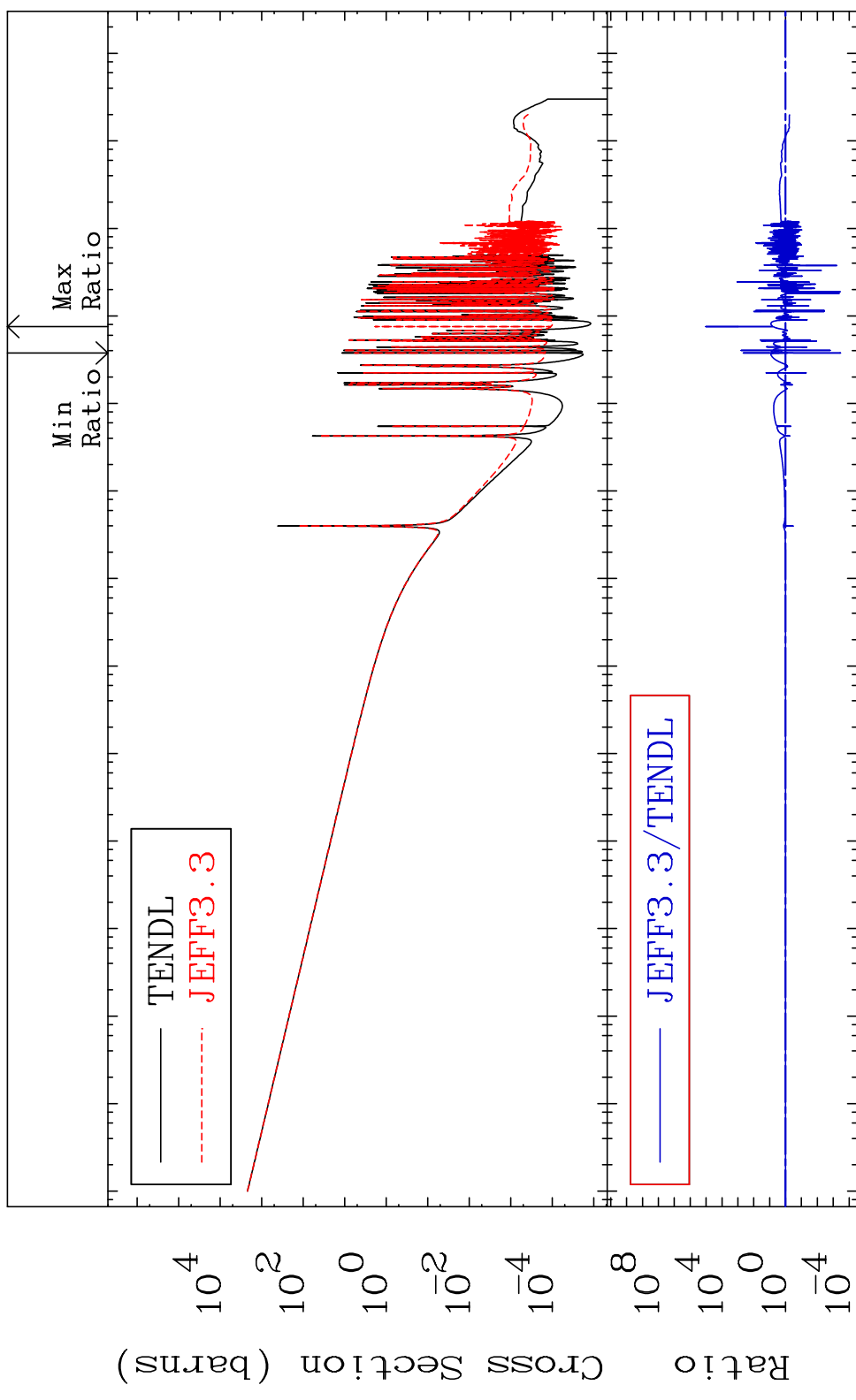
17-C1-35

MAT 1725

(n, γ)

17-C1-35

Cross Section -99.96 To 9999. %



35

Incident Energy (eV)

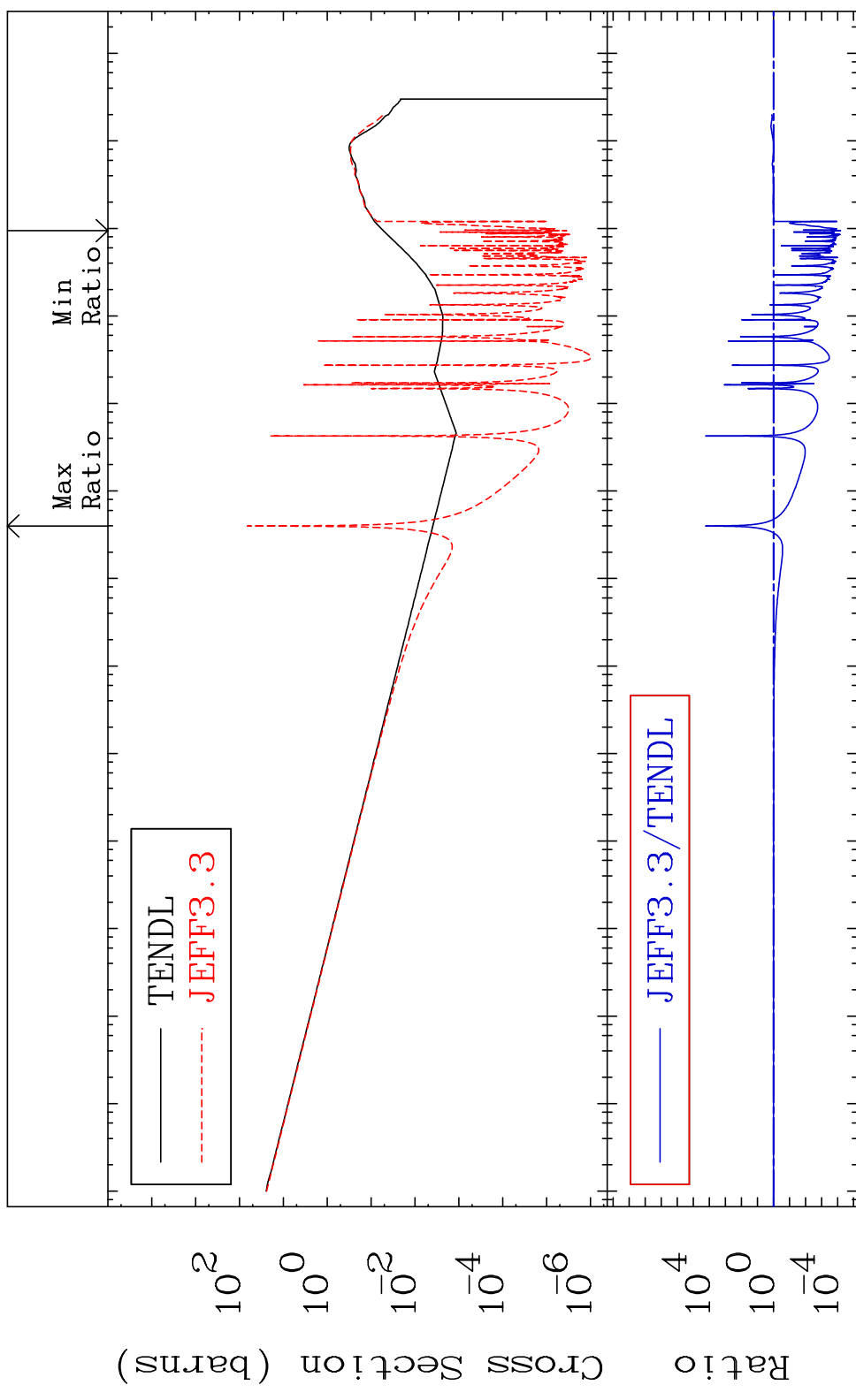
17-C1-35

MAT 1725

(n, p)

17-C1-35

Cross Section -99.99 To 9999. %

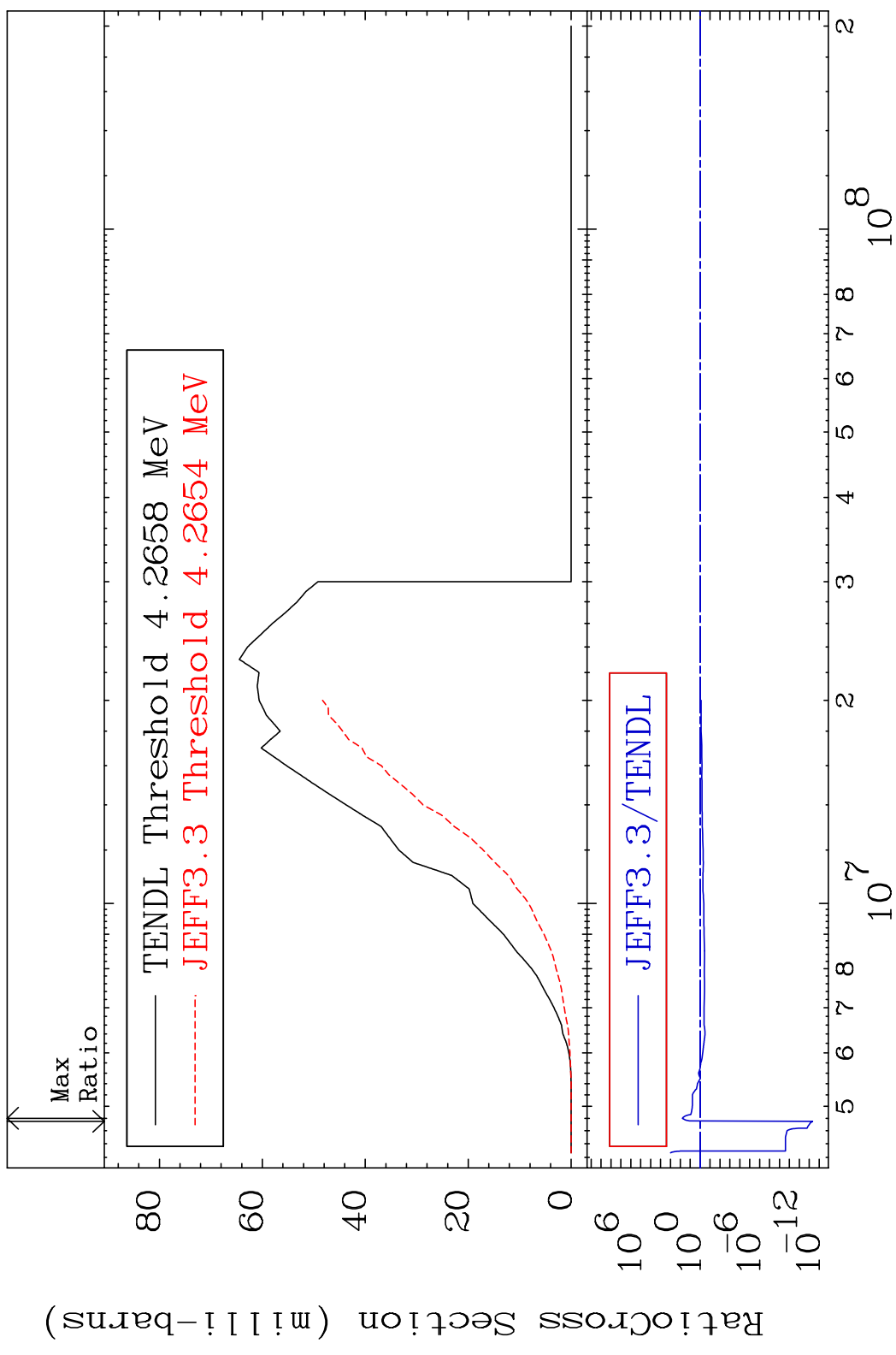


MAT 1725

(n, d)

17-Cl-35

Cross Section -100.0 To 6154. %

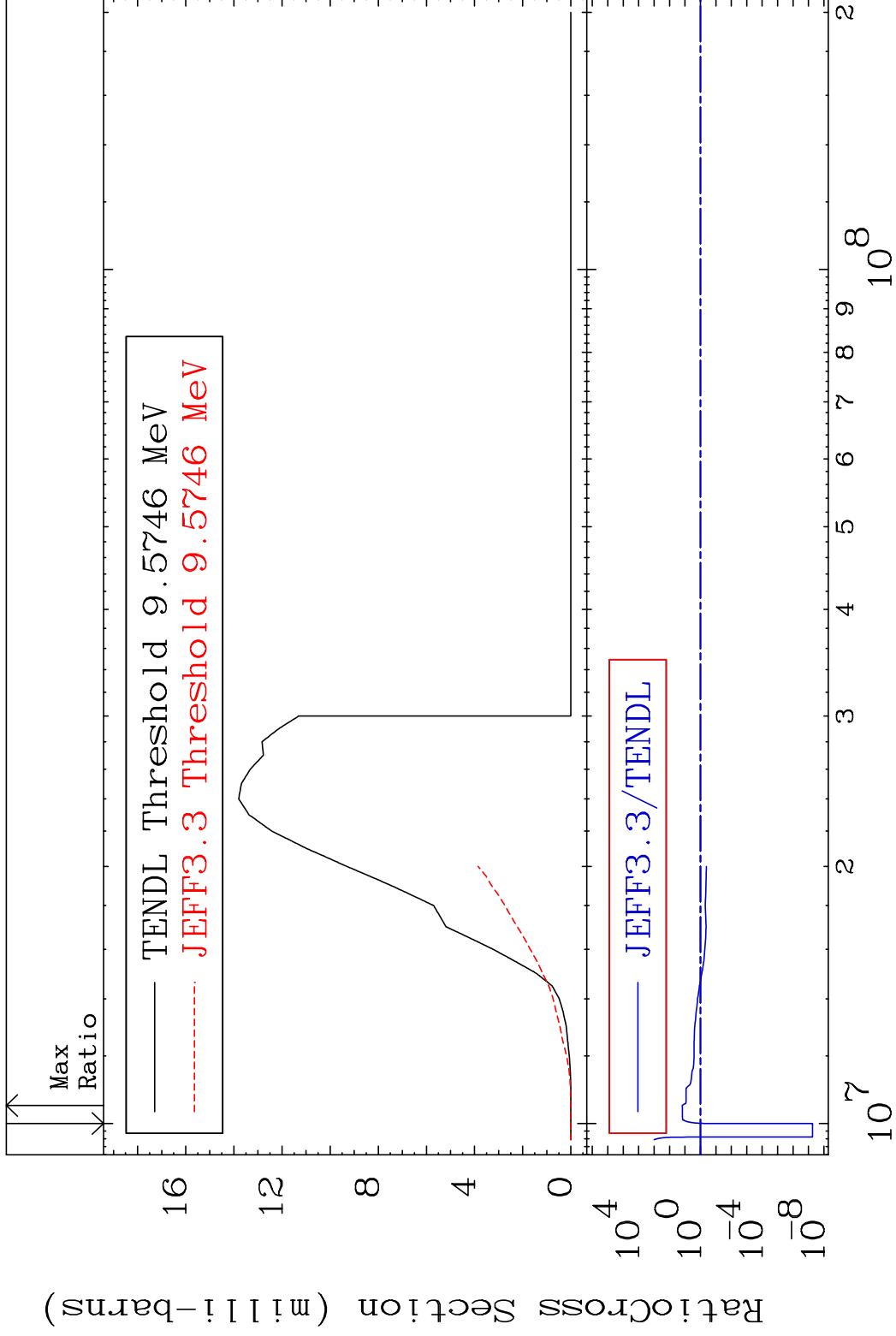


MAT 1725

(n, t)

17-C1-35

Cross Section -100.0 To 1427. %



38

Incident Energy (eV)

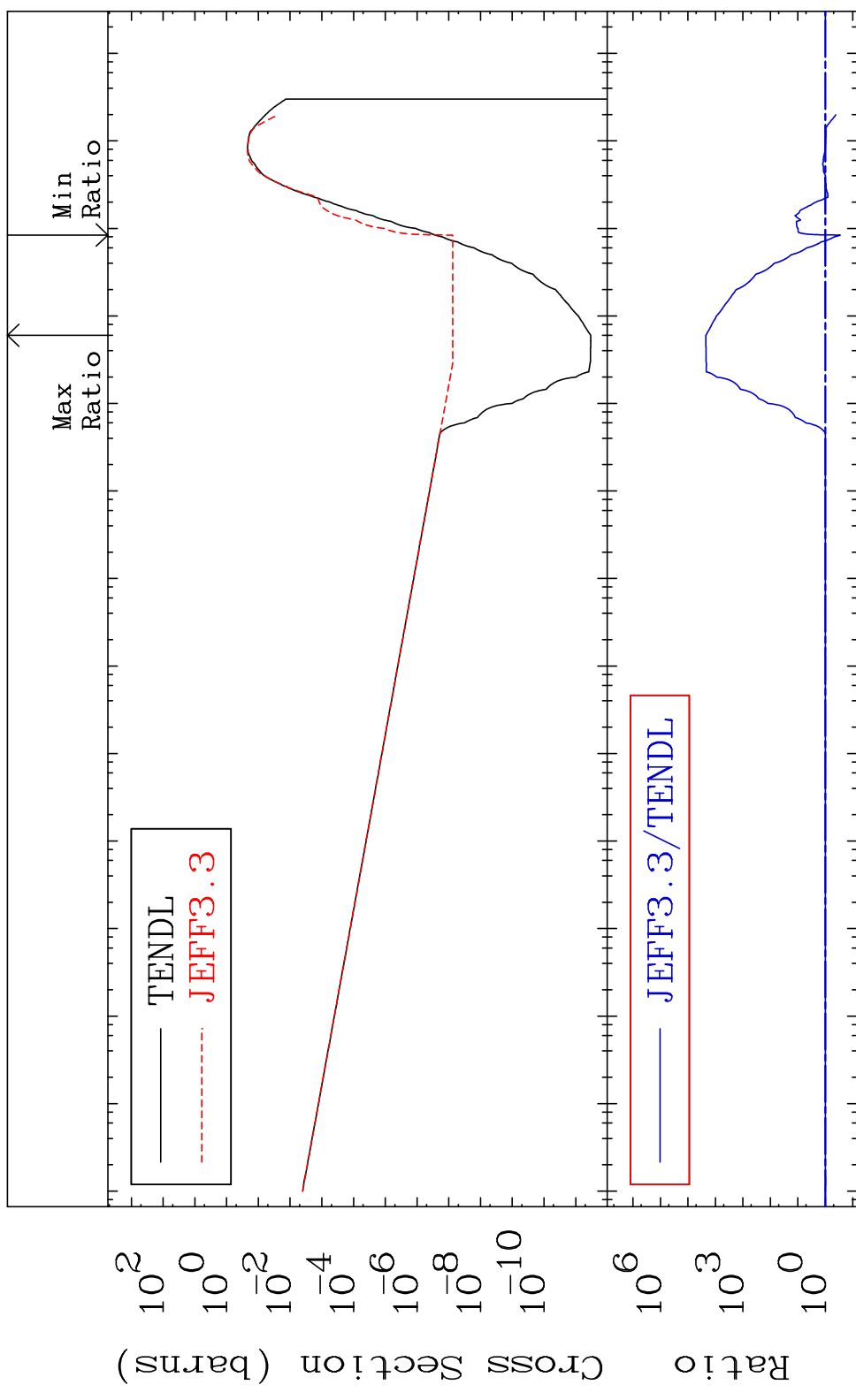
17-C1-35

MAT 1725

(n, α)

17-C1-35

Cross Section -71.88 To 9999. %

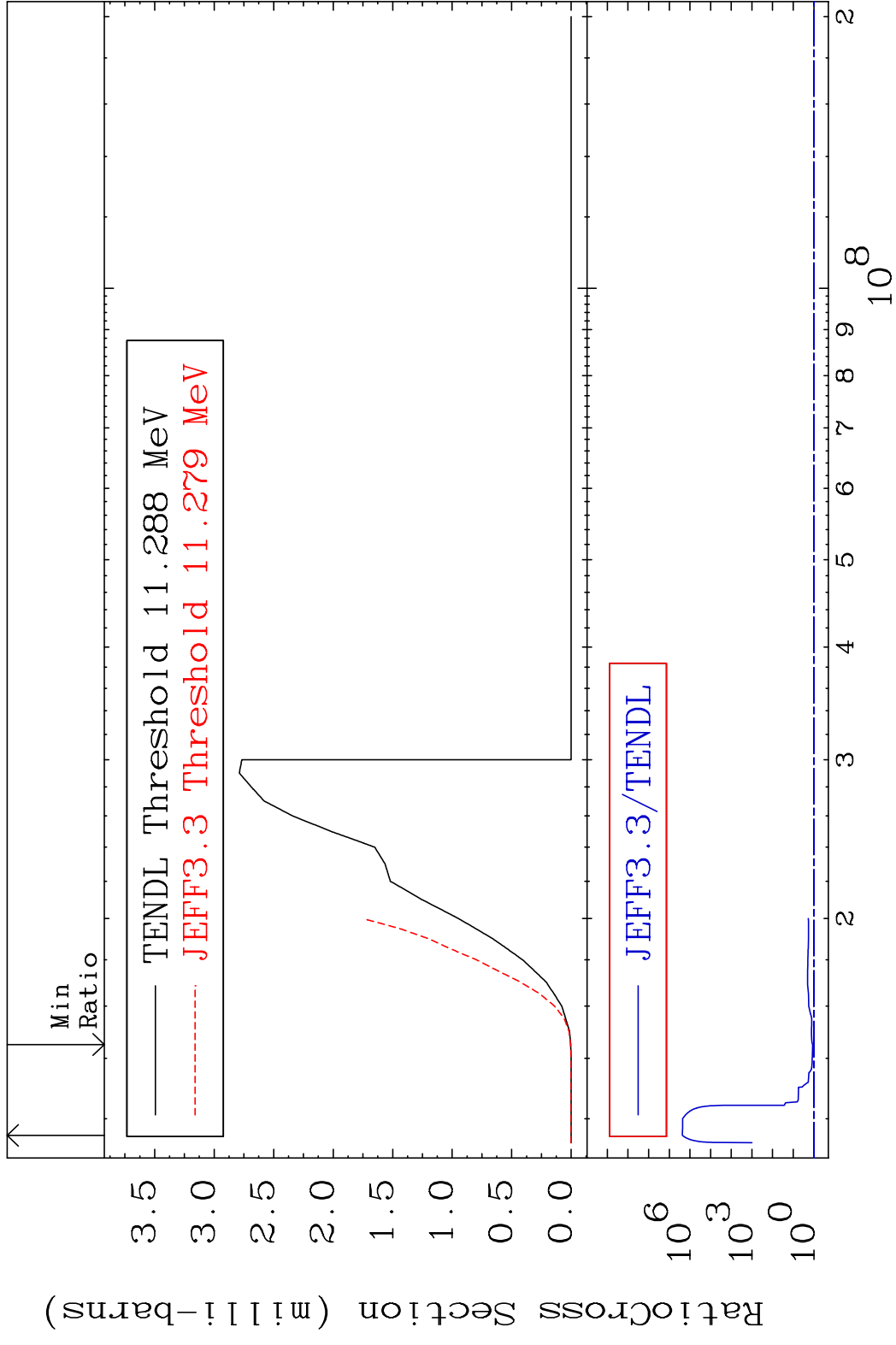


MAT 1725

(n,2p)

17-C1-35

Cross Section 15.66 To 9999. %

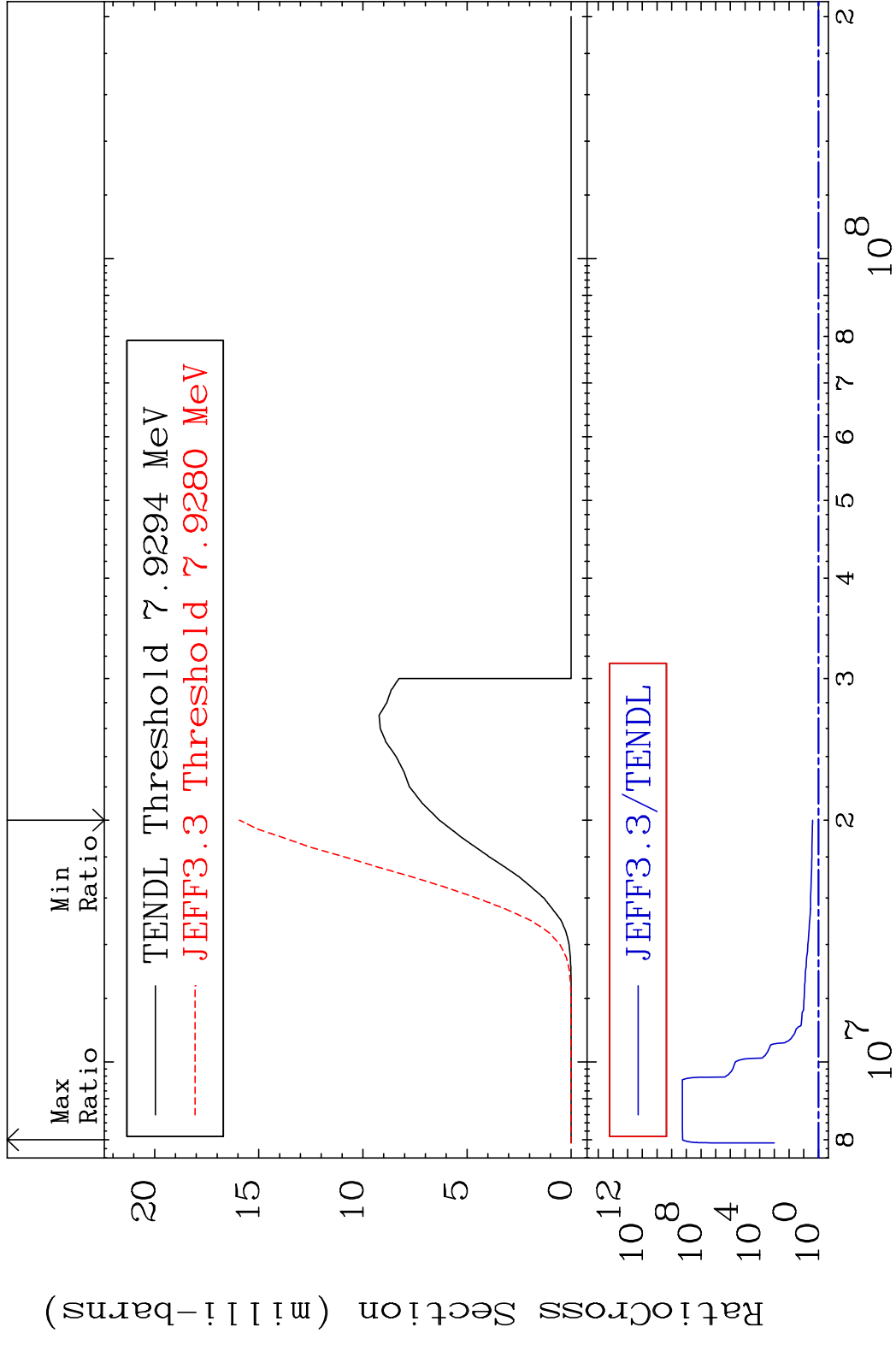


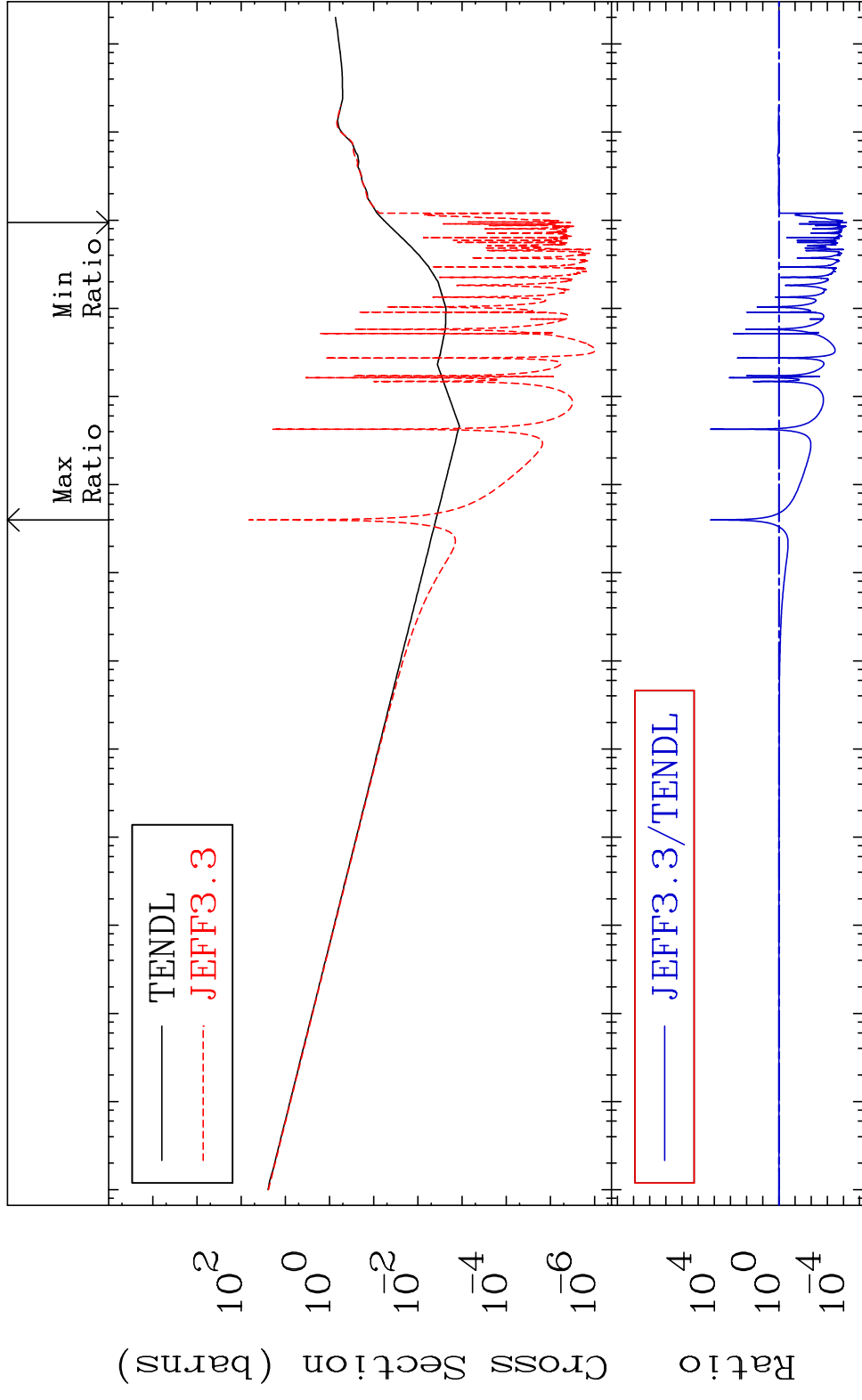
MAT 1725

(n,p) α

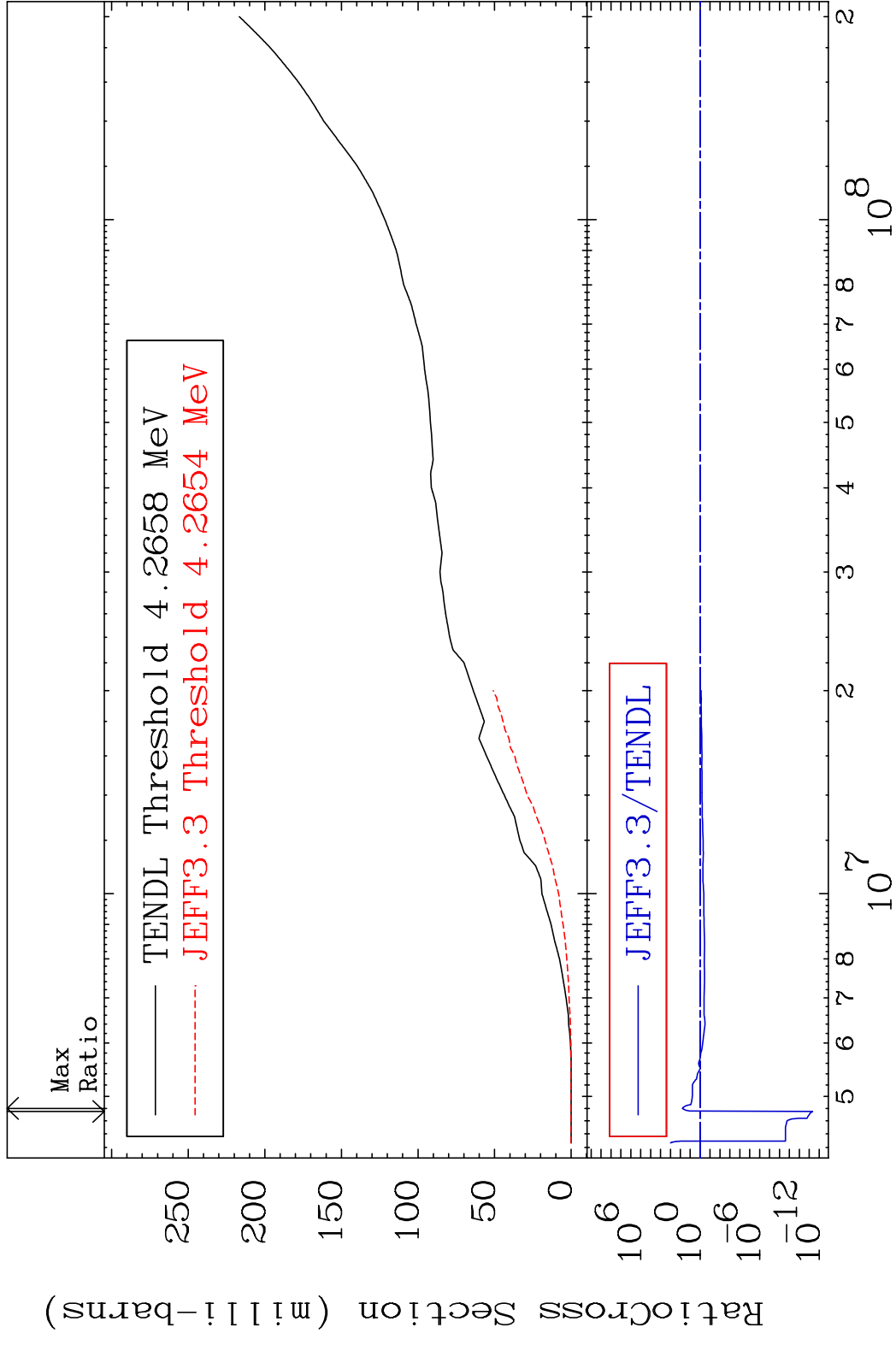
17-Cl-35

Cross Section 151.5 To 9999. %





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

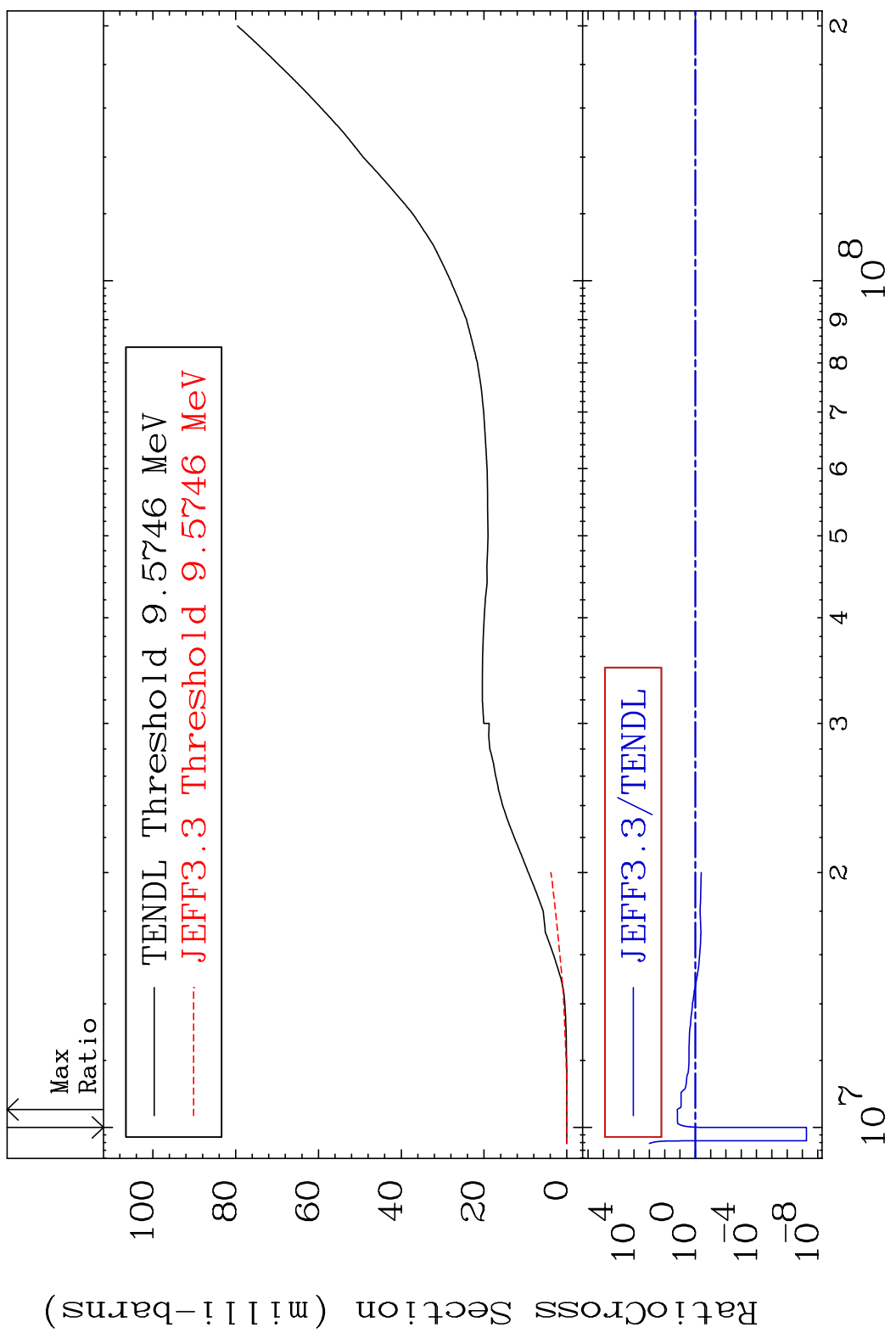


MAT 1725

Tritium Production

17-C1-35

Cross Section -100.0 To 1427. %



44

Incident Energy (eV)

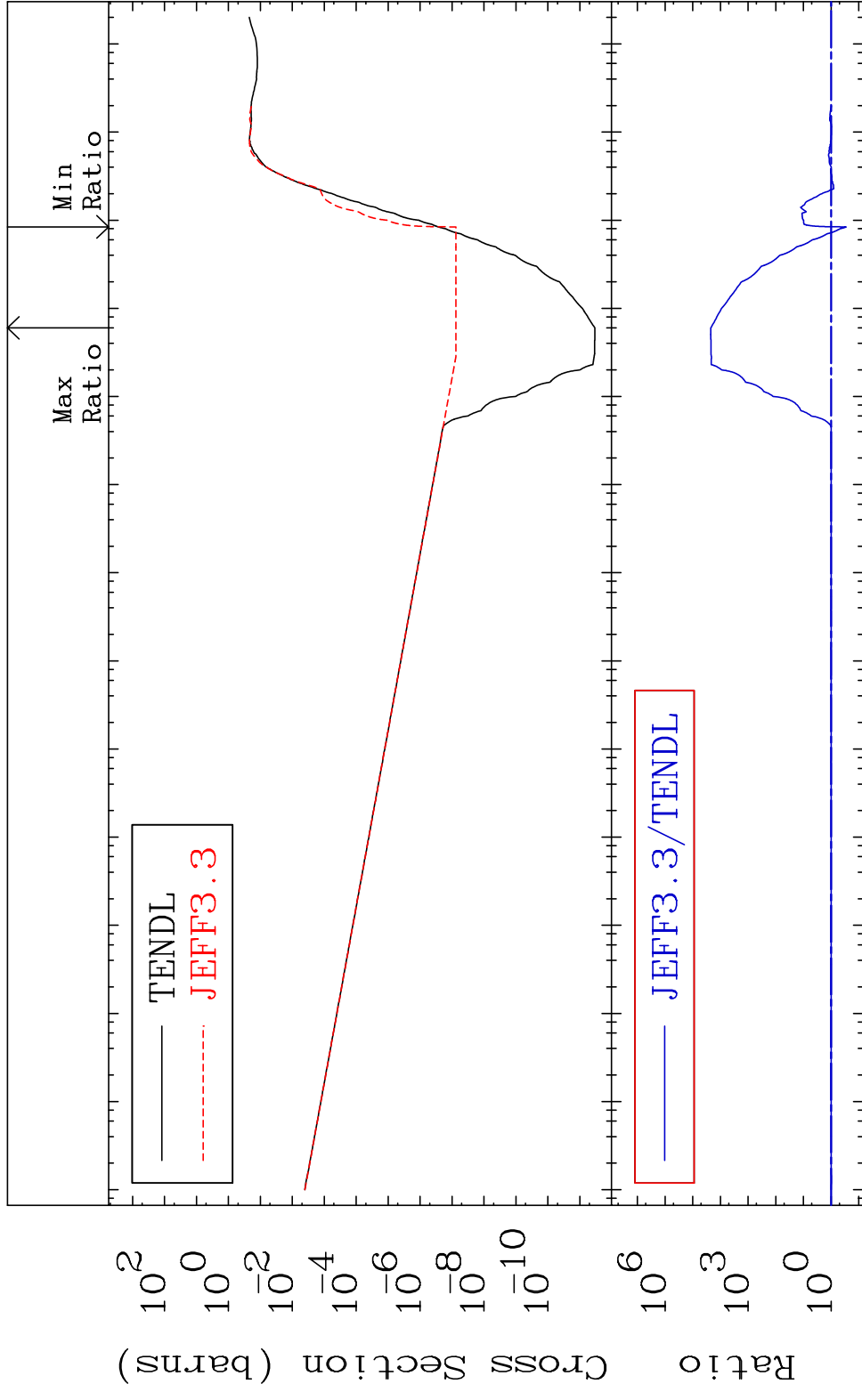
17-C1-35

MAT 1725

He-4 Production

17-C1-35

Cross Section -71.88 To 9999. %

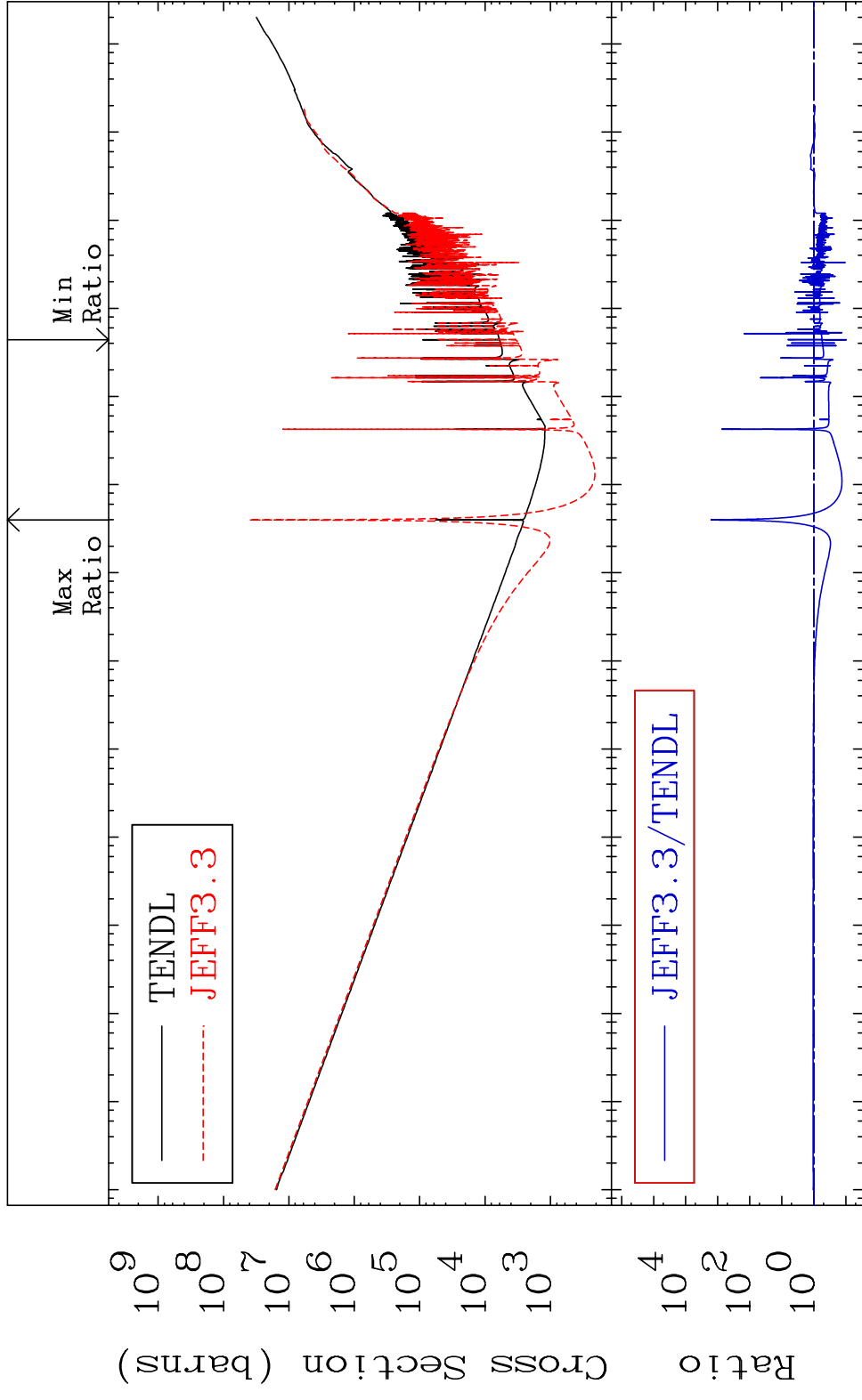


45

Incident Energy (eV)

17-C1-35

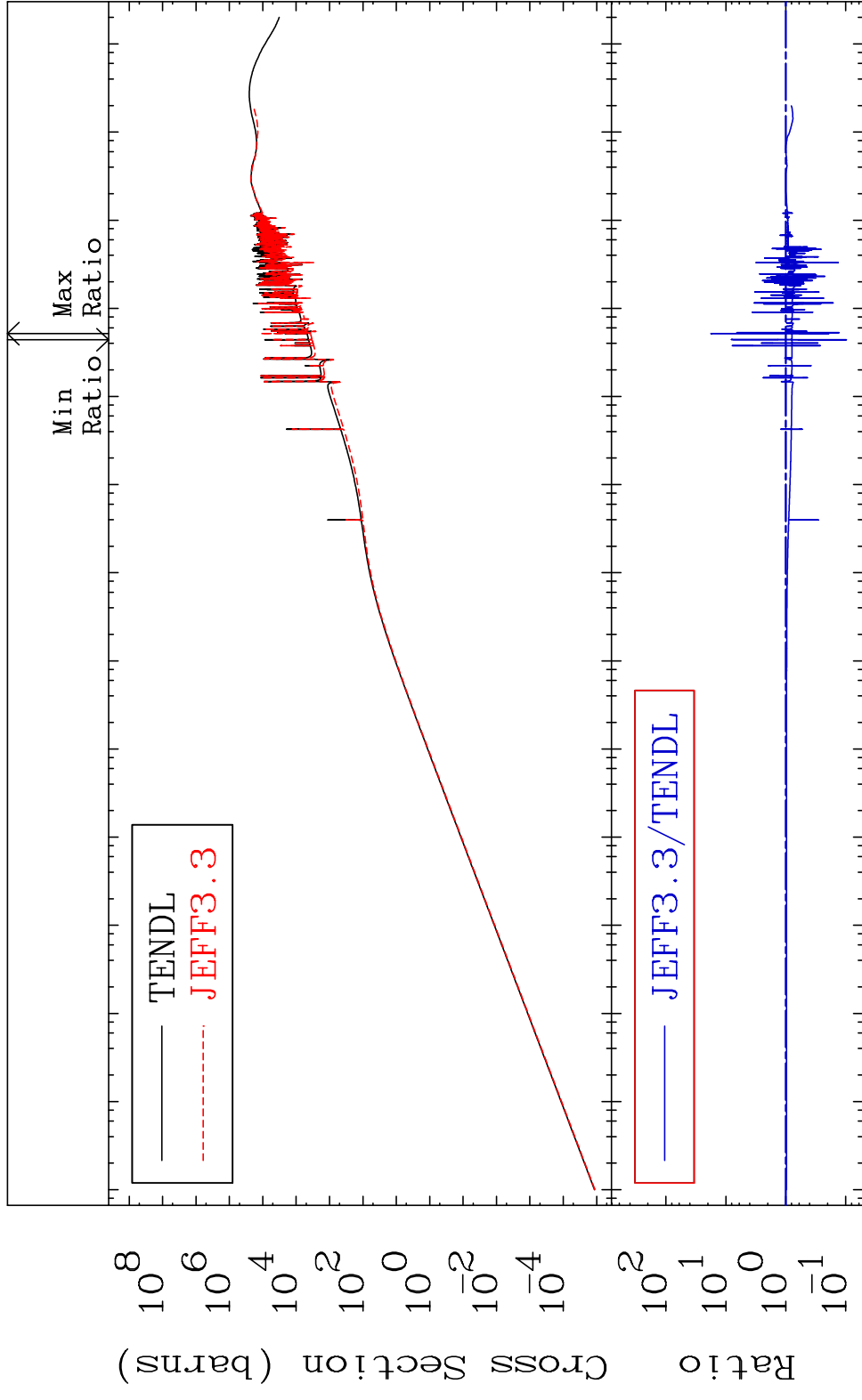
MAT 1725 Kerma total (eV-barns) 17-C1-35
 Cross Section -90.30 To 9999. %



MAT 1725

Kerma elastic
Cross Section

17-C1-35
-90.24 To 1690. %

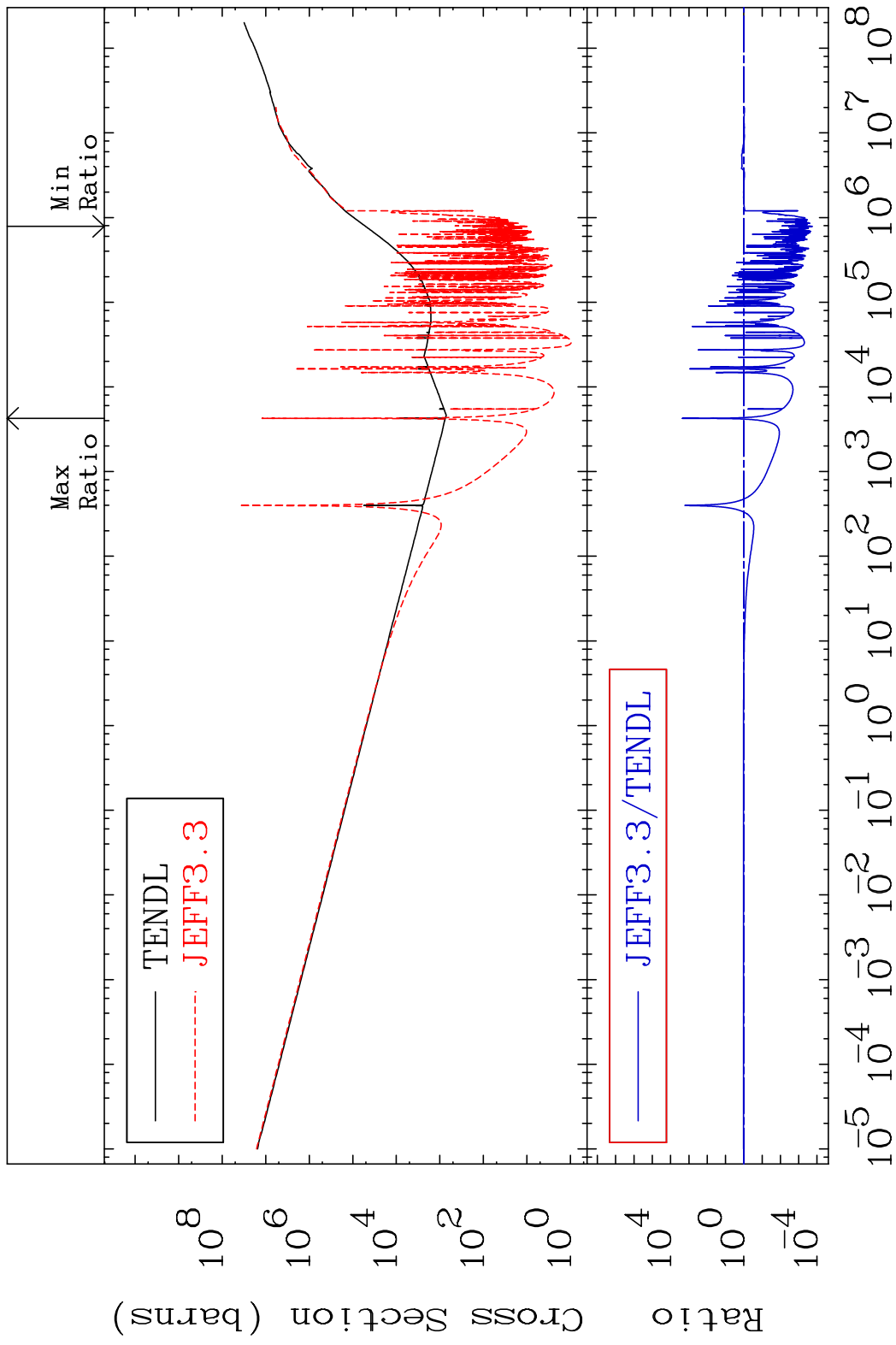


47

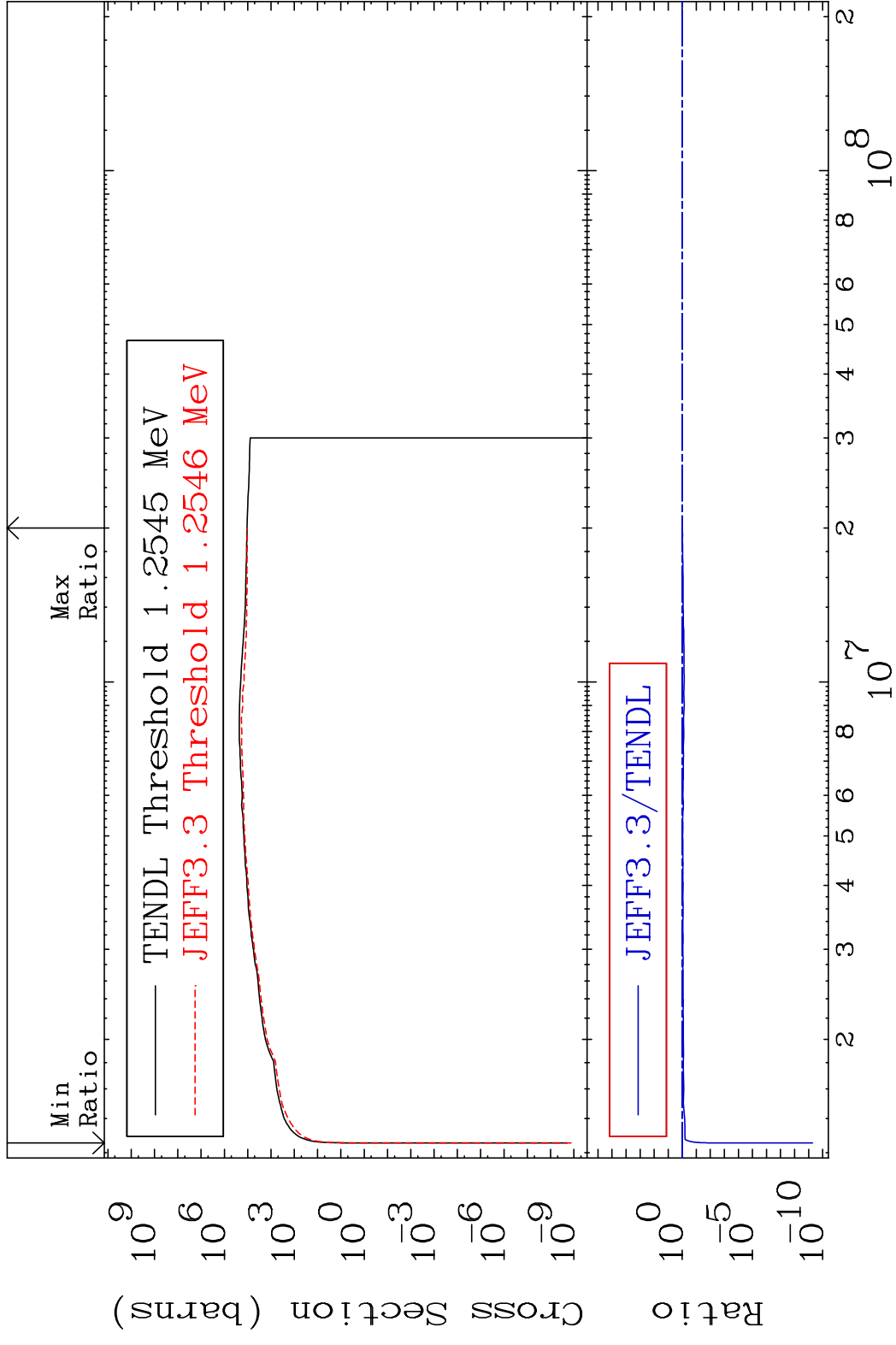
Incident Energy (eV)

17-C1-35

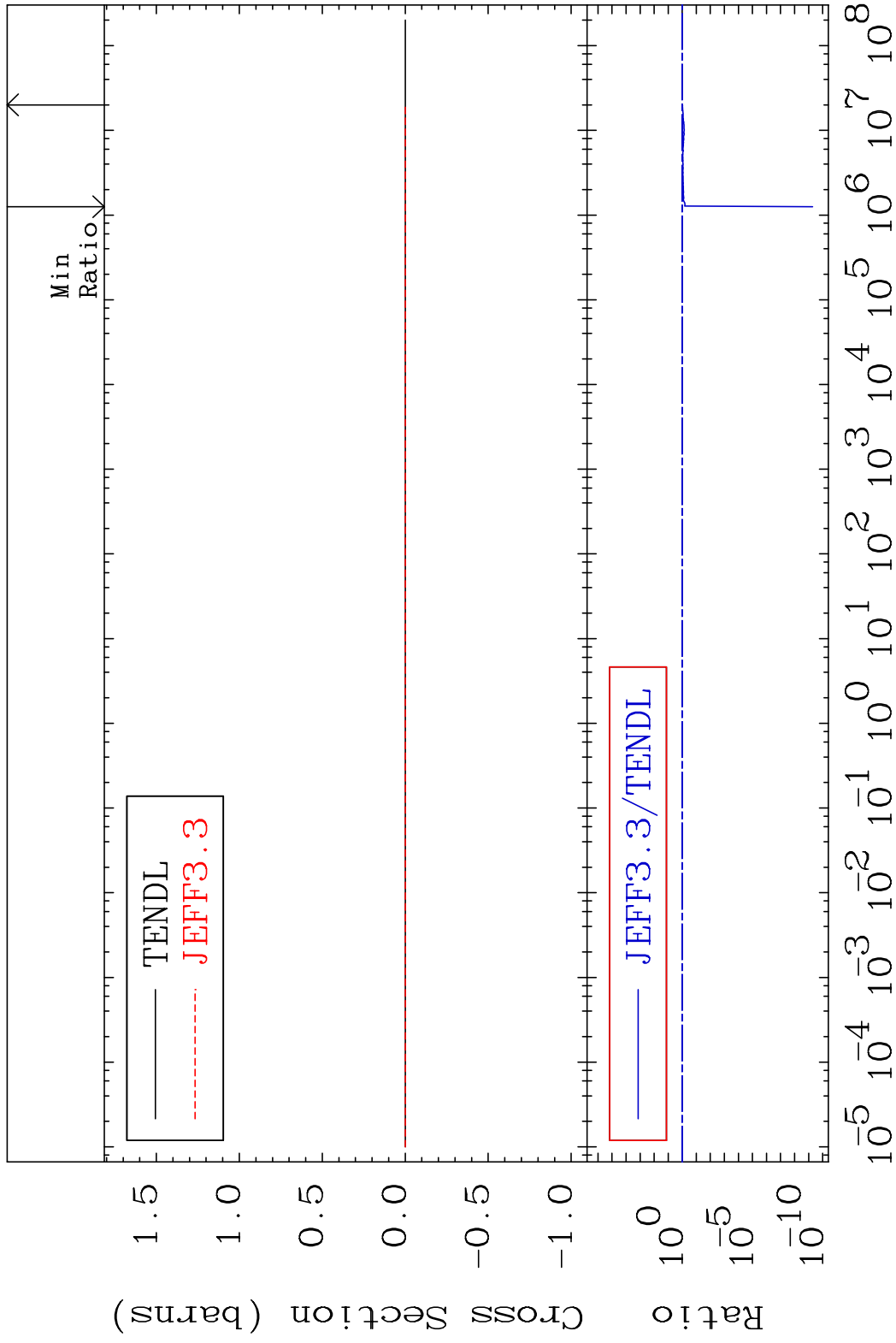
MAT 1725 Kerma non-elastic (all but mt2) 17-C1-35
 Cross Section -99.98 To 9999. %



MAT 1725 Kerma inelastic (mt51-91) 17-C1-35
 Cross Section -100.0 To -2.021%

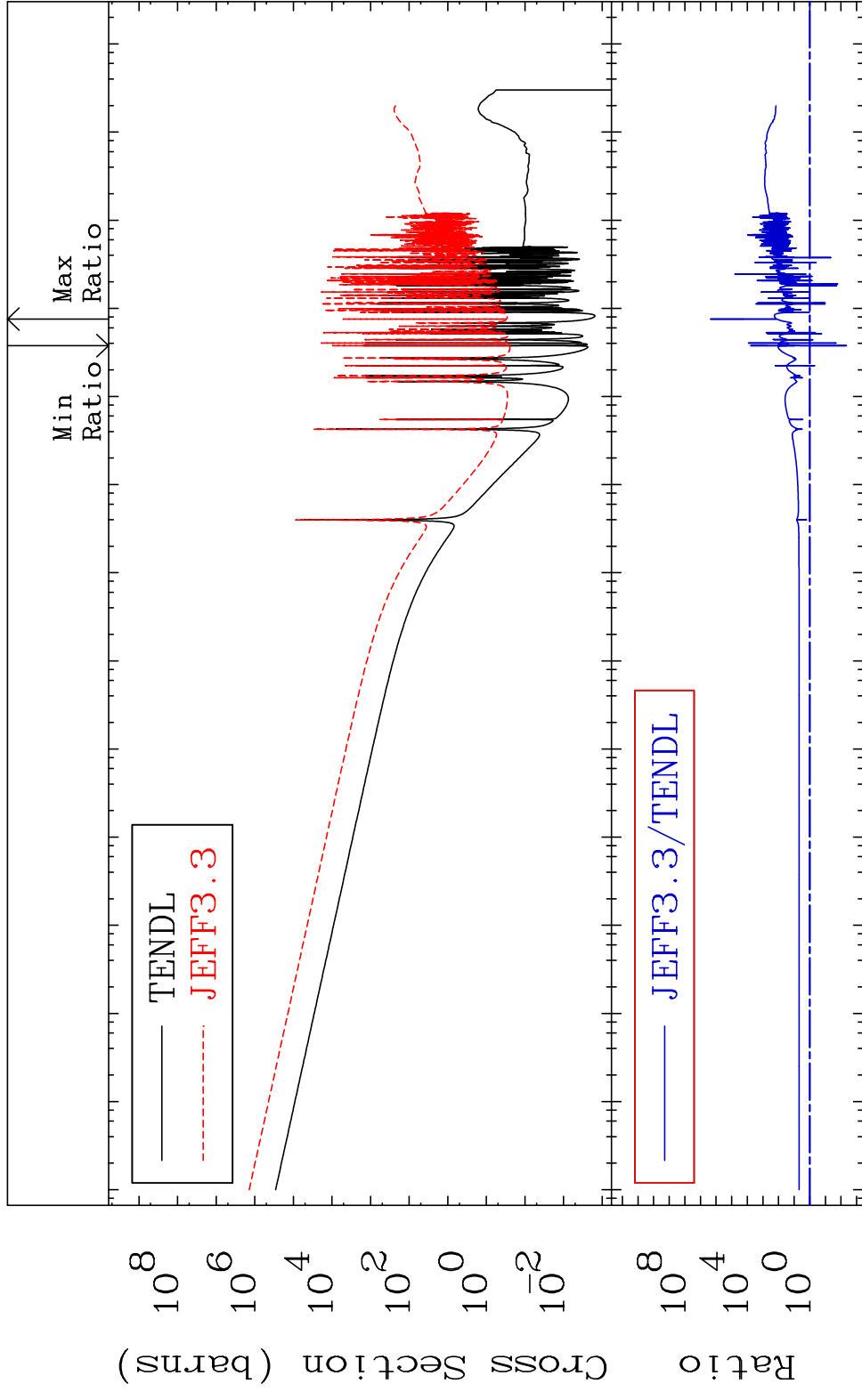


MAT 1725 Kerma fission (mt18 or mt19-20-21-38) 17-C1-35
 Cross Section -100.0 To -2.021%



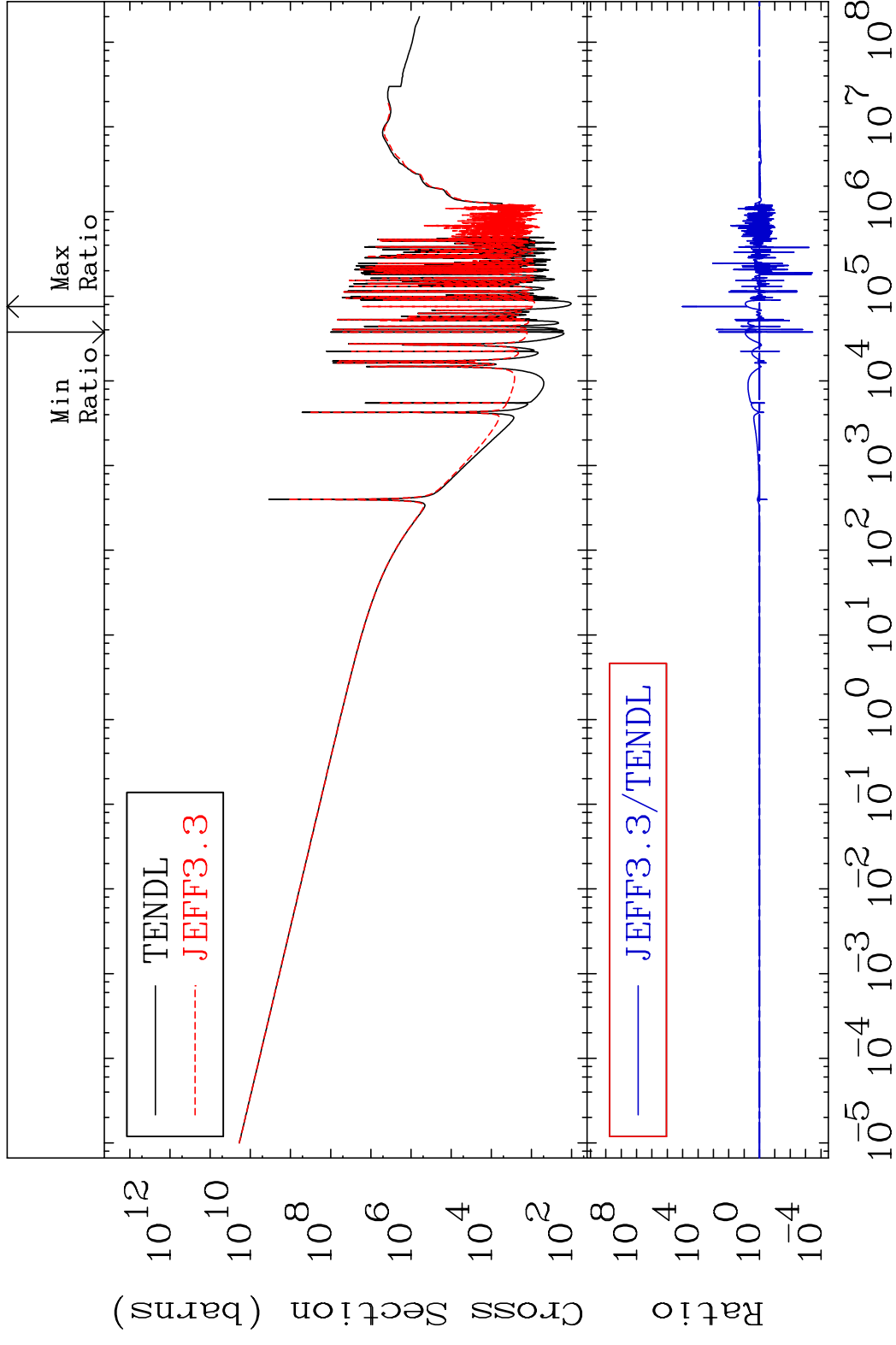
MAT 1725

Kerma capture (mt102) 17-C1-35
Cross Section -99.54 To 9999. %



MAT 1725

Total photon (eV-barns) 17-C1-35
Cross Section -99.96 To 9999. %

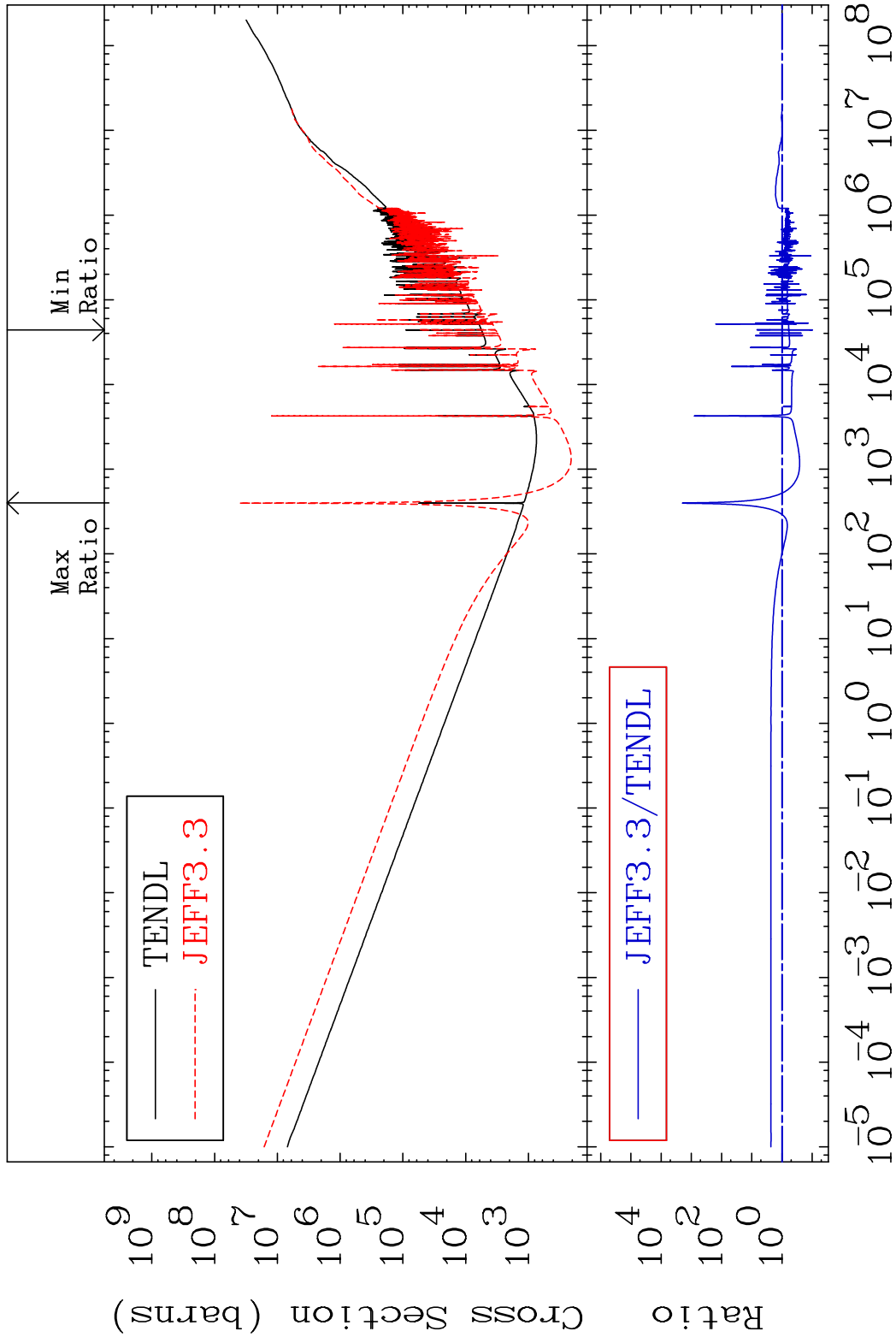


52

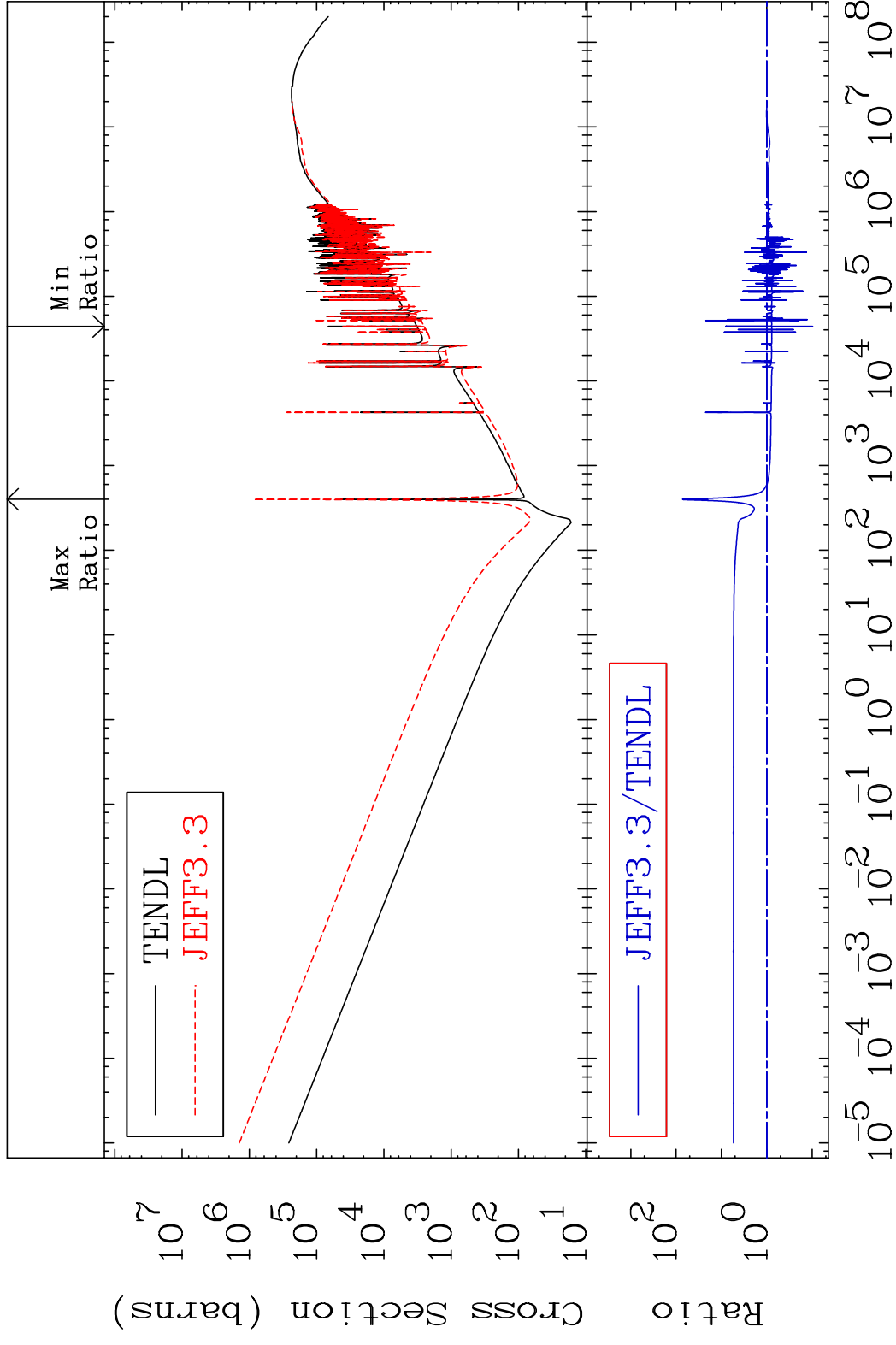
Incident Energy (eV)

17-C1-35

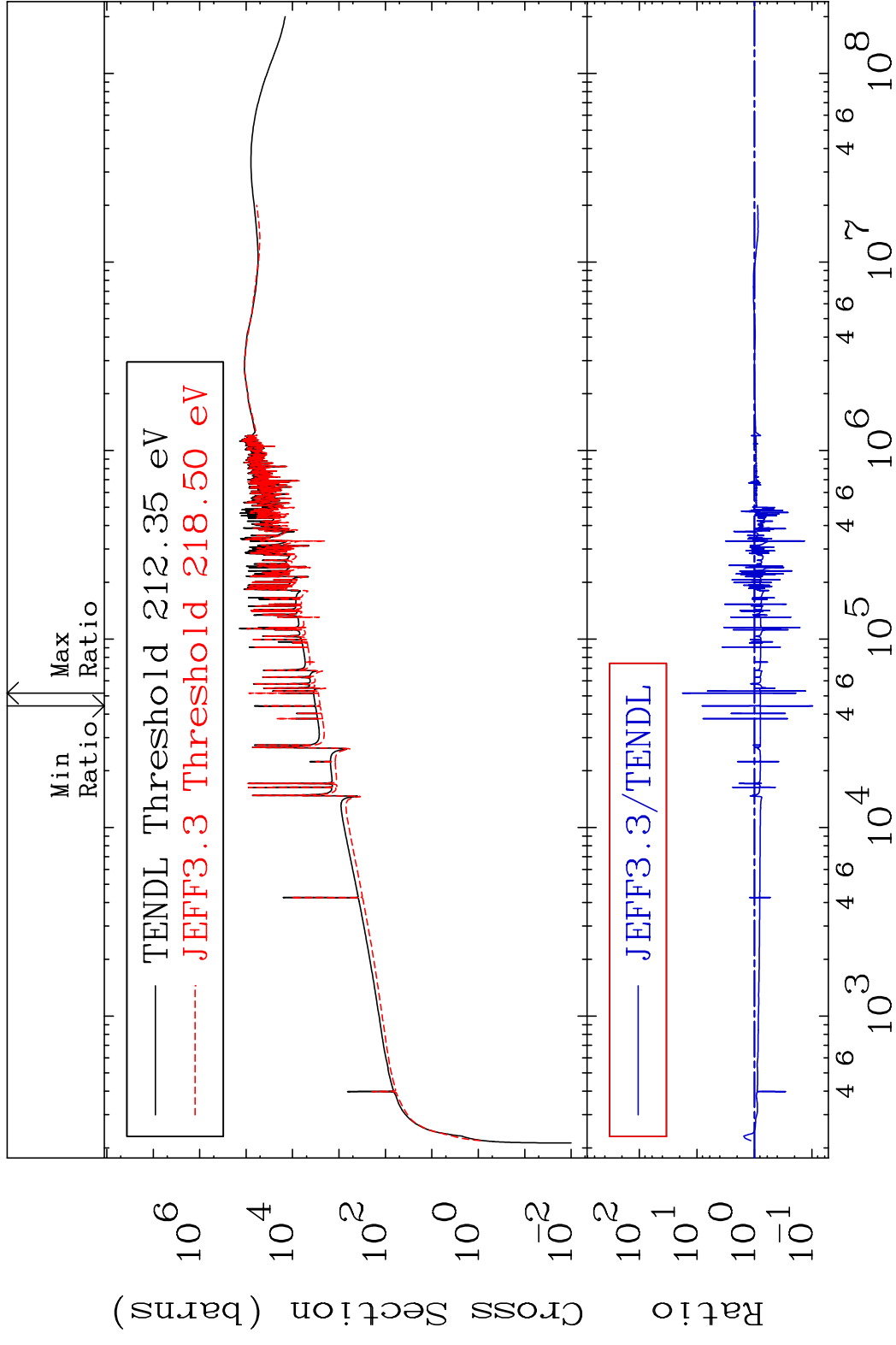
MAT 1725 Total kinematic kerma (high limit) 17-C1-35
 Cross Section -90.26 To 9999. %

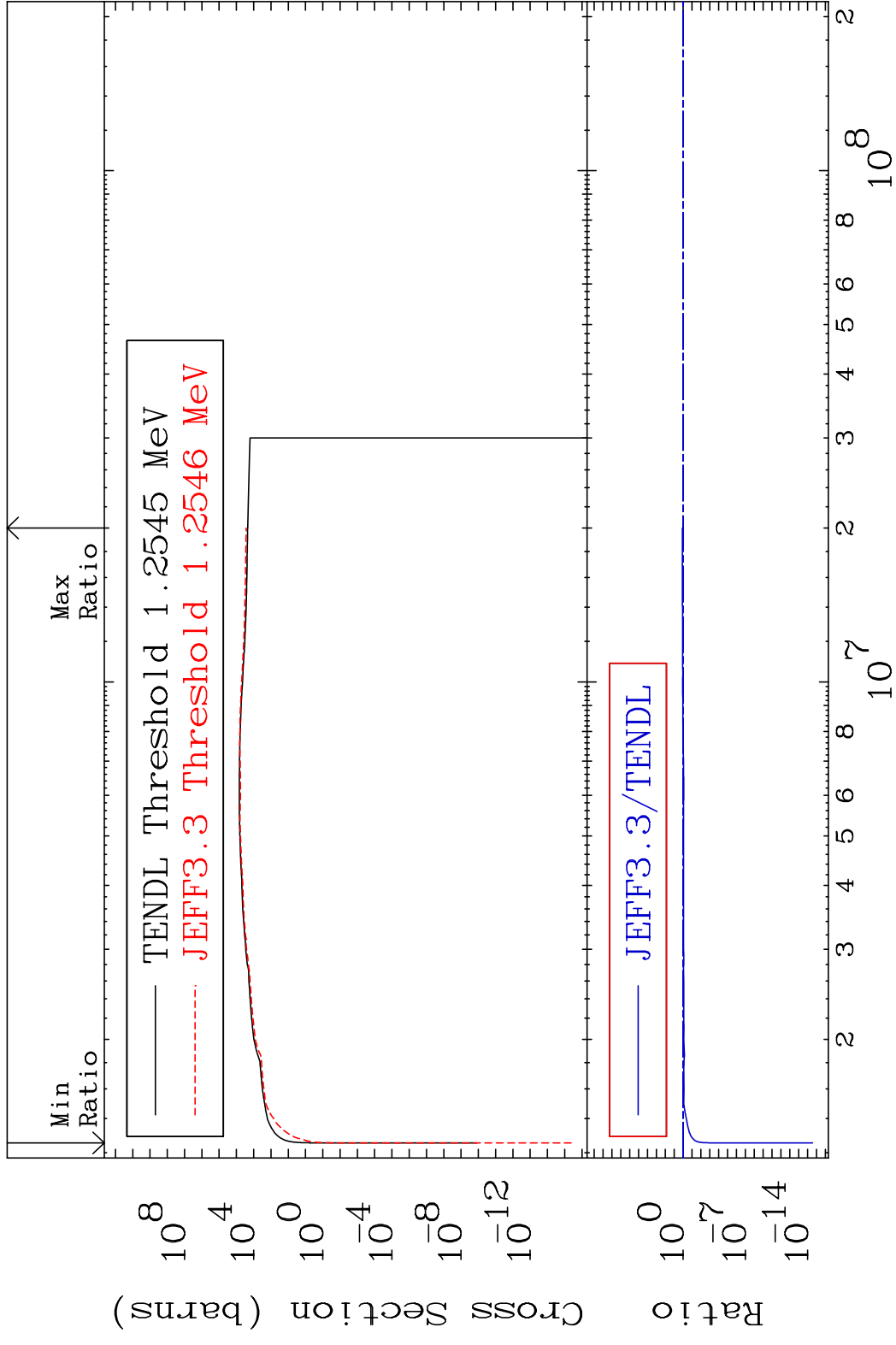


MAT 1725 Dpa total (eV-barns) 17-C1-35
 Cross Section -90.21 To 7181. %



MAT 1725 Dpa elastic (mt2) 17-C1-35
 Cross Section -90.24 To 1690. %





MAT 1725 Dpa disappearance (mt102 -120) 17-C1-35
 Cross Section -99.99 To 9999. %

