

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

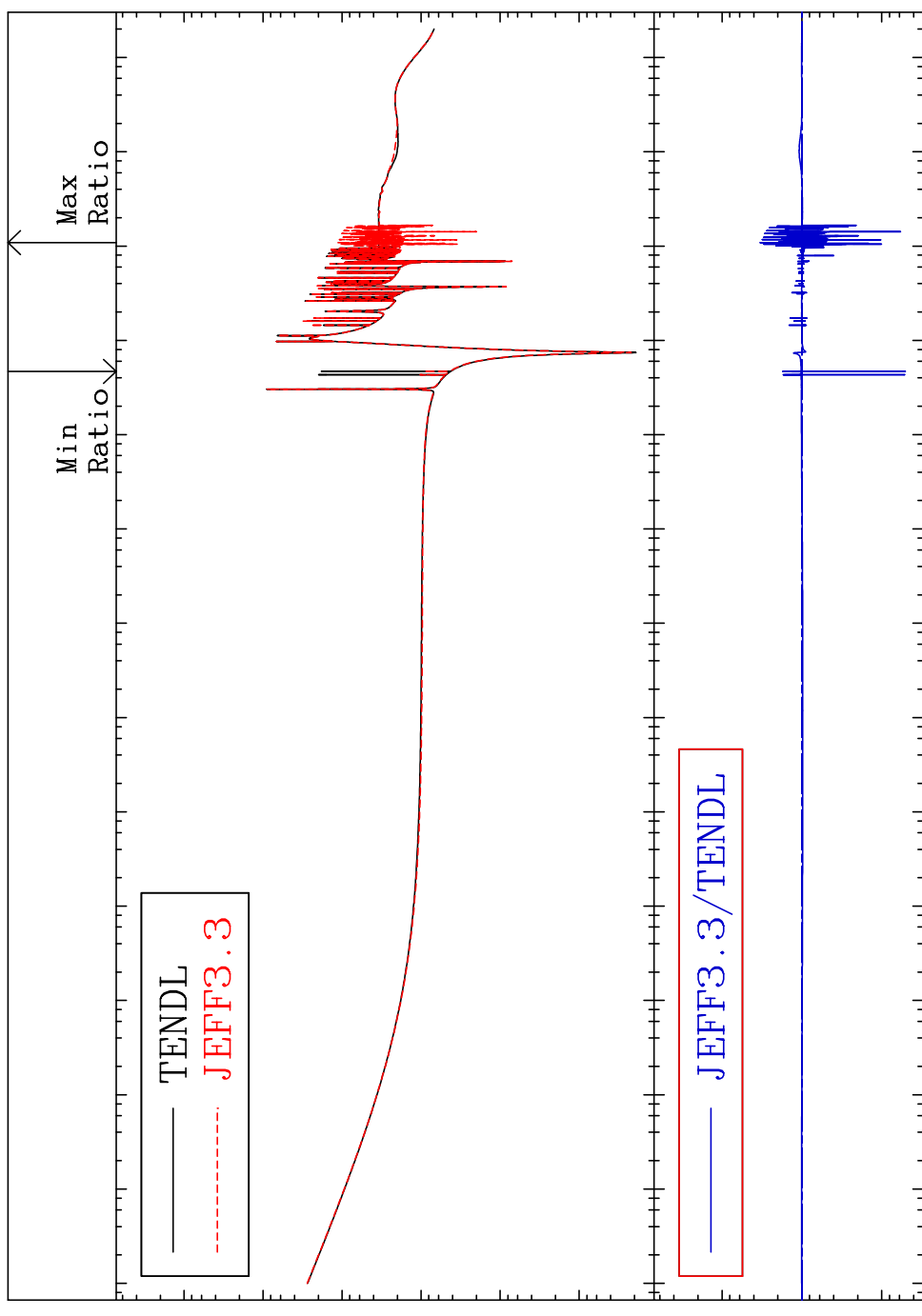
MAT 1625

Total

16-S -32

Cross Section

-94.92 To 232.8 %



Cross Section (barns)
Ratio

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

1

Incident Energy (eV)

16-S -32

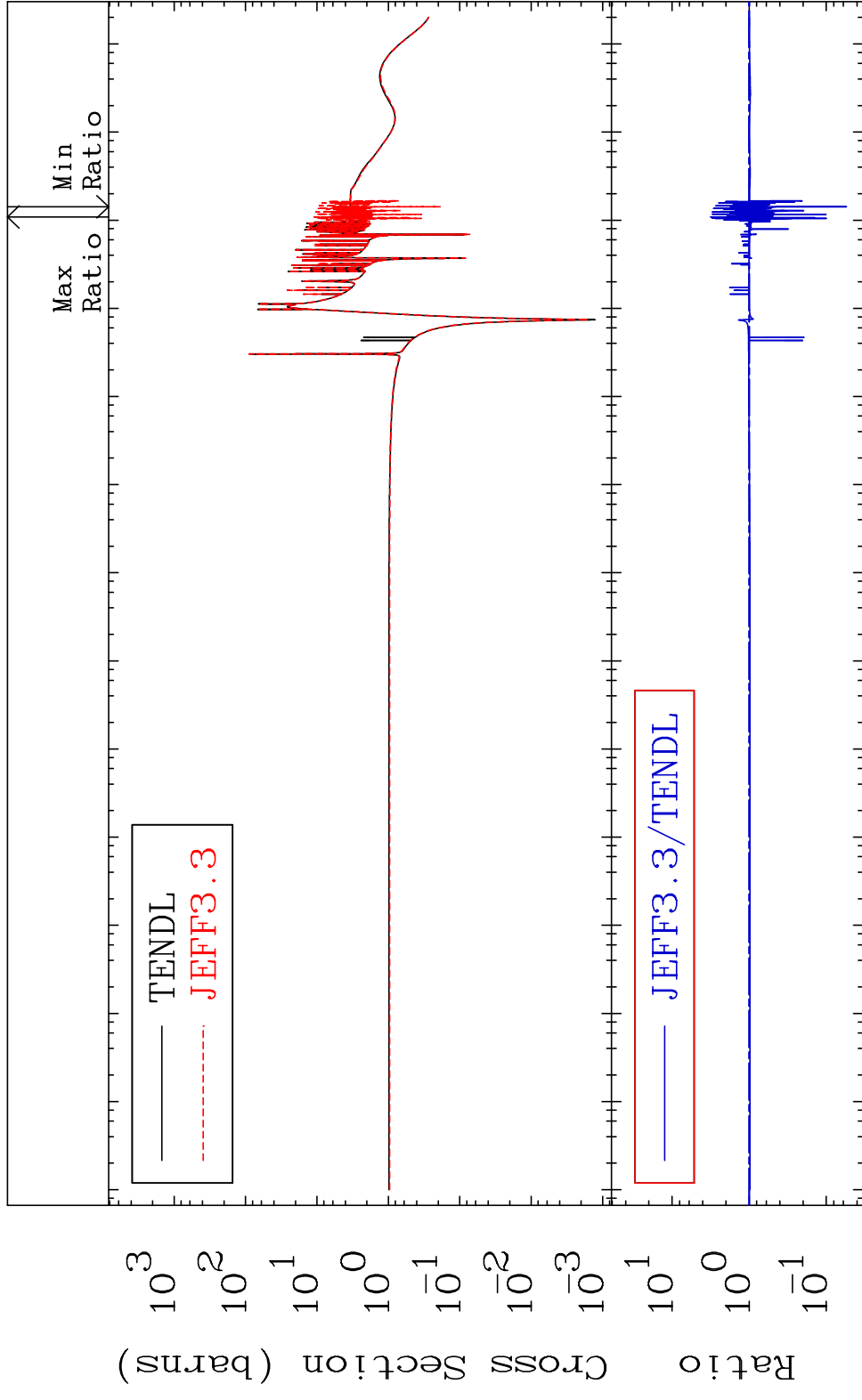
MAT 1625

Elastic

16-S -32

Cross Section

-94.50 To 215.5 %

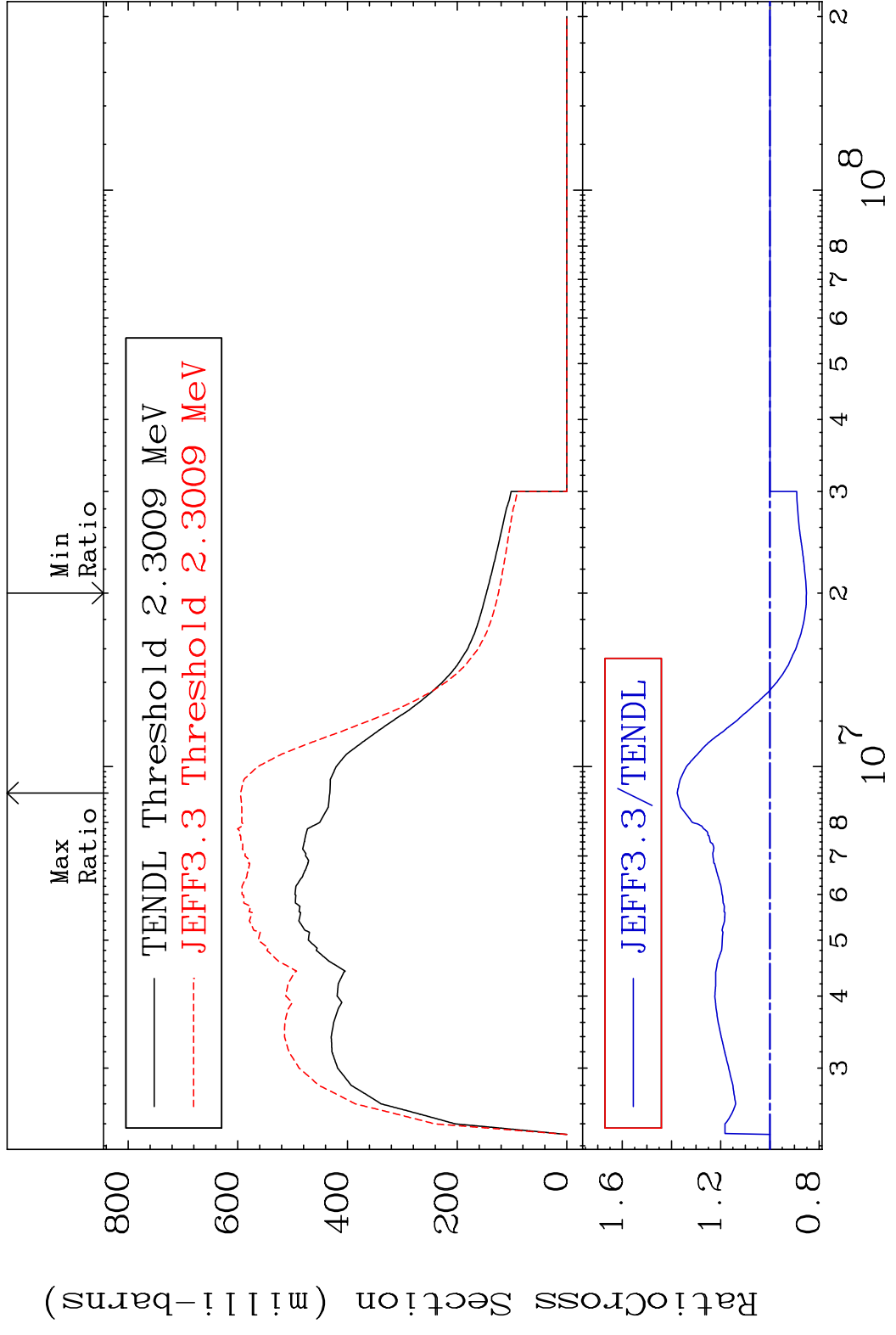


2

Incident Energy (eV)

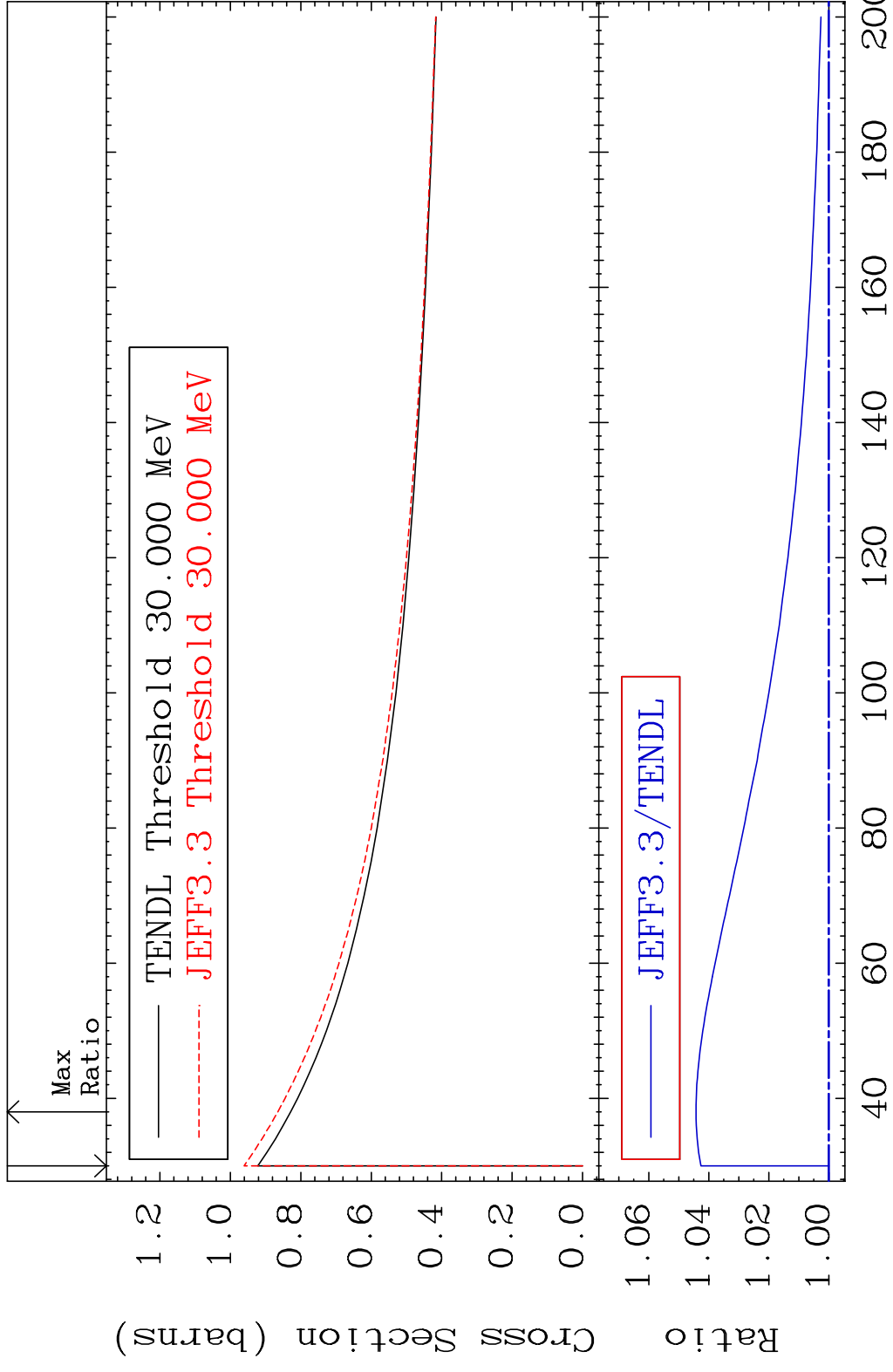
16-S -32

MAT 1625 Inelastic 16-S -32
 Cross Section -14.83 To 37.68 %

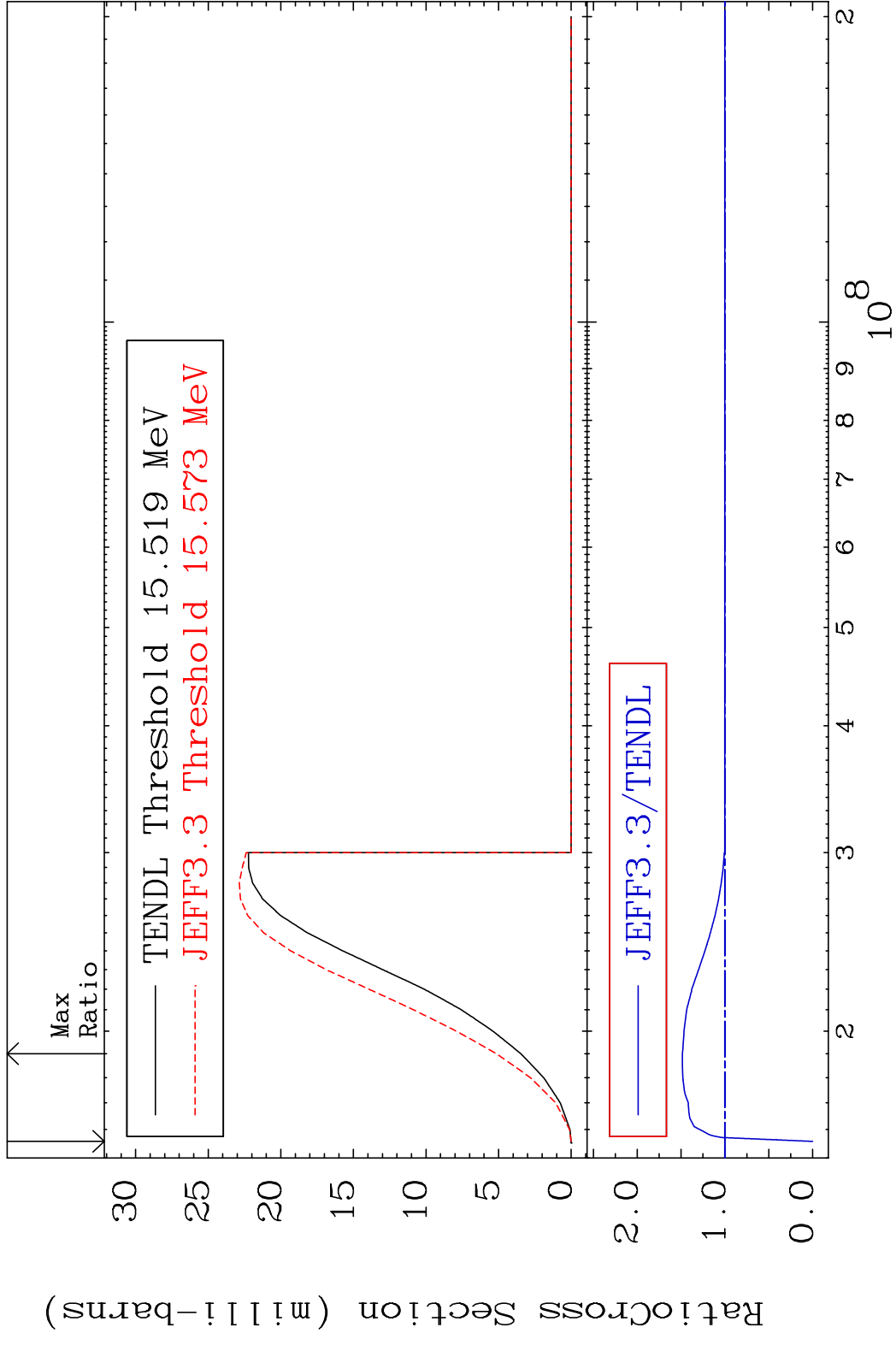


3 3 4 5 6 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 16-S -32

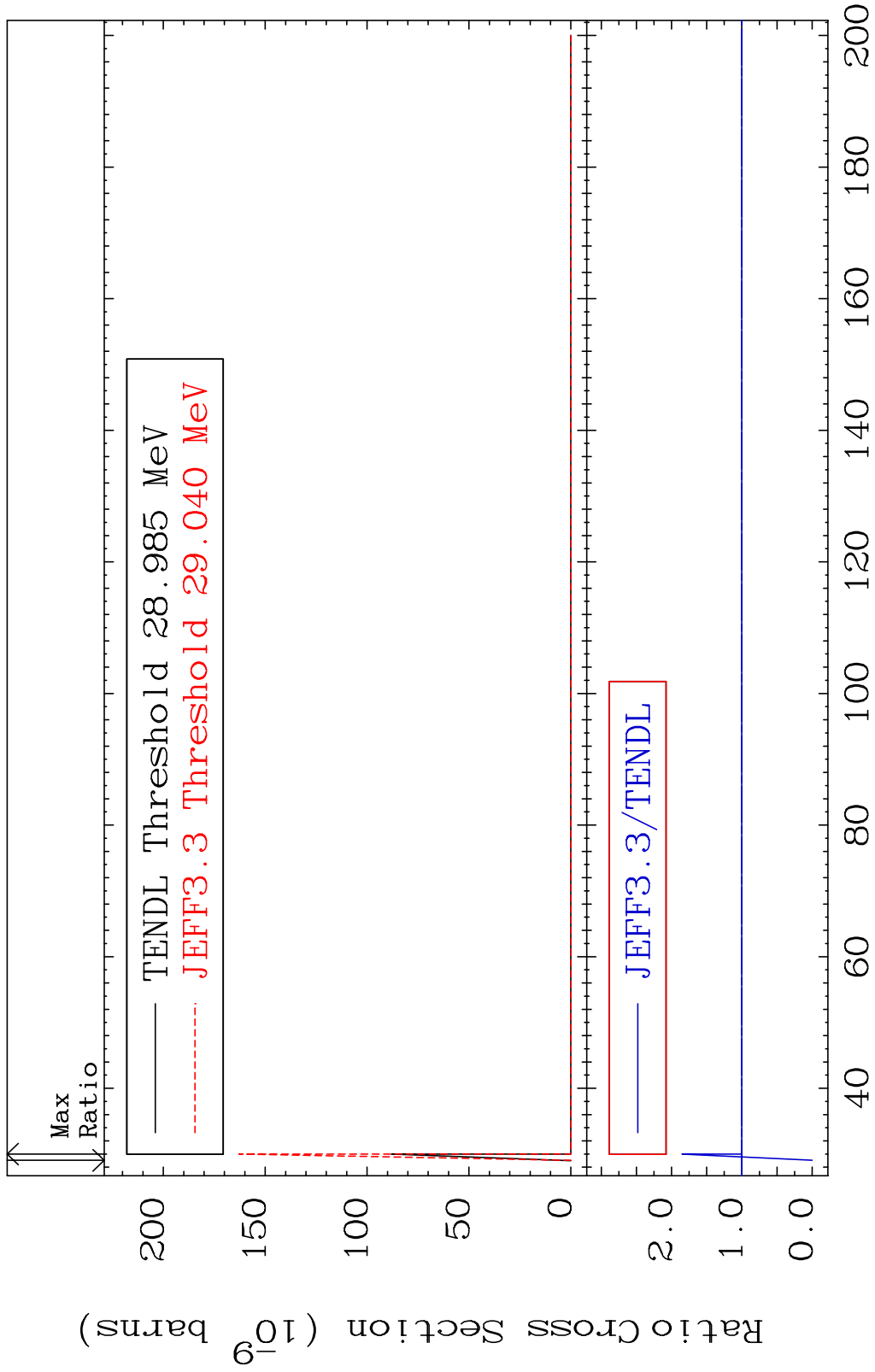
MAT 1625 (n, remainder) 16-S -32
 Cross Section 0.000 To 4.426 %



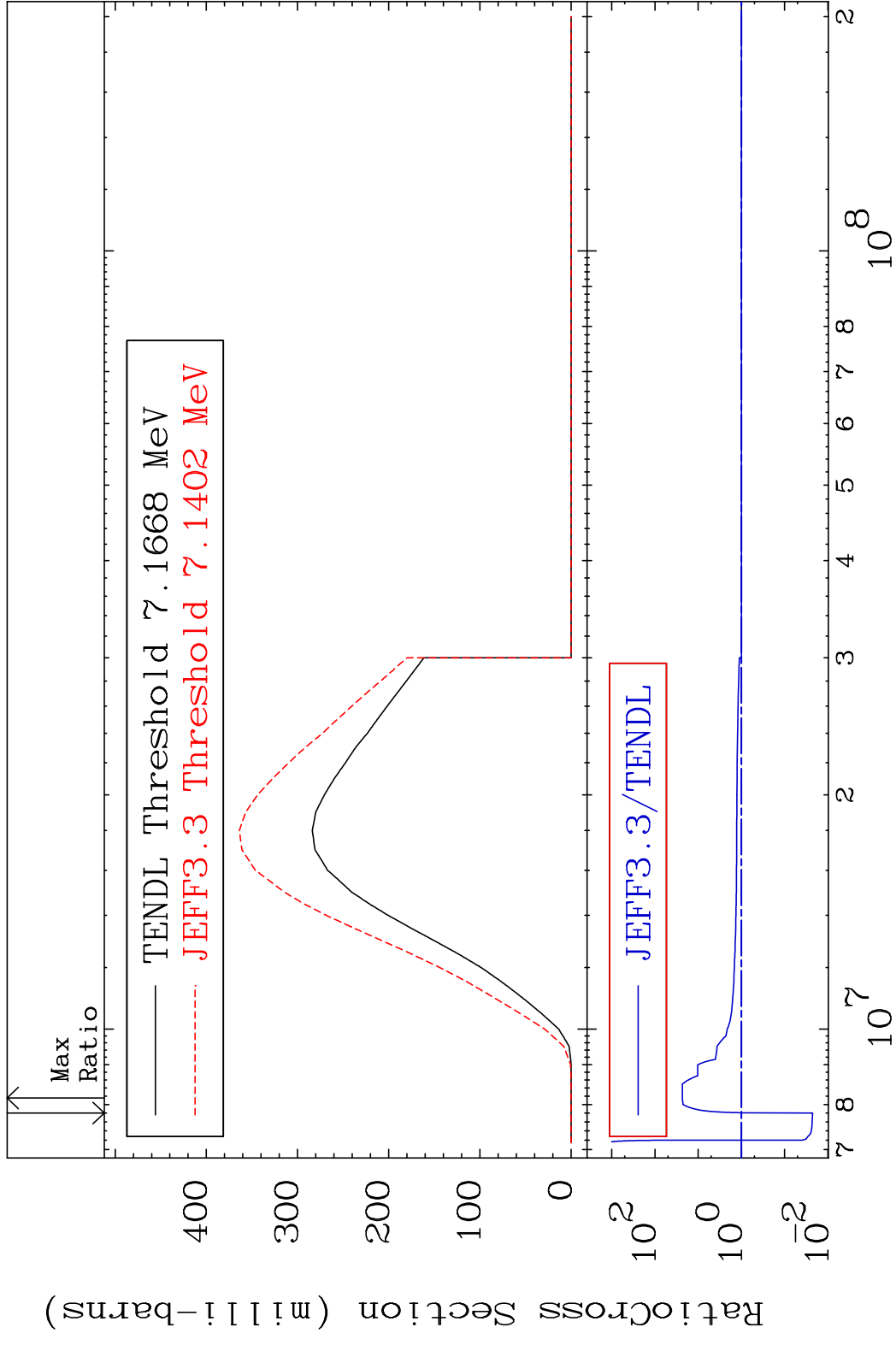
MAT 1625 (n,2n) 16-S -32
 Cross Section -100.0 To 48.55 %



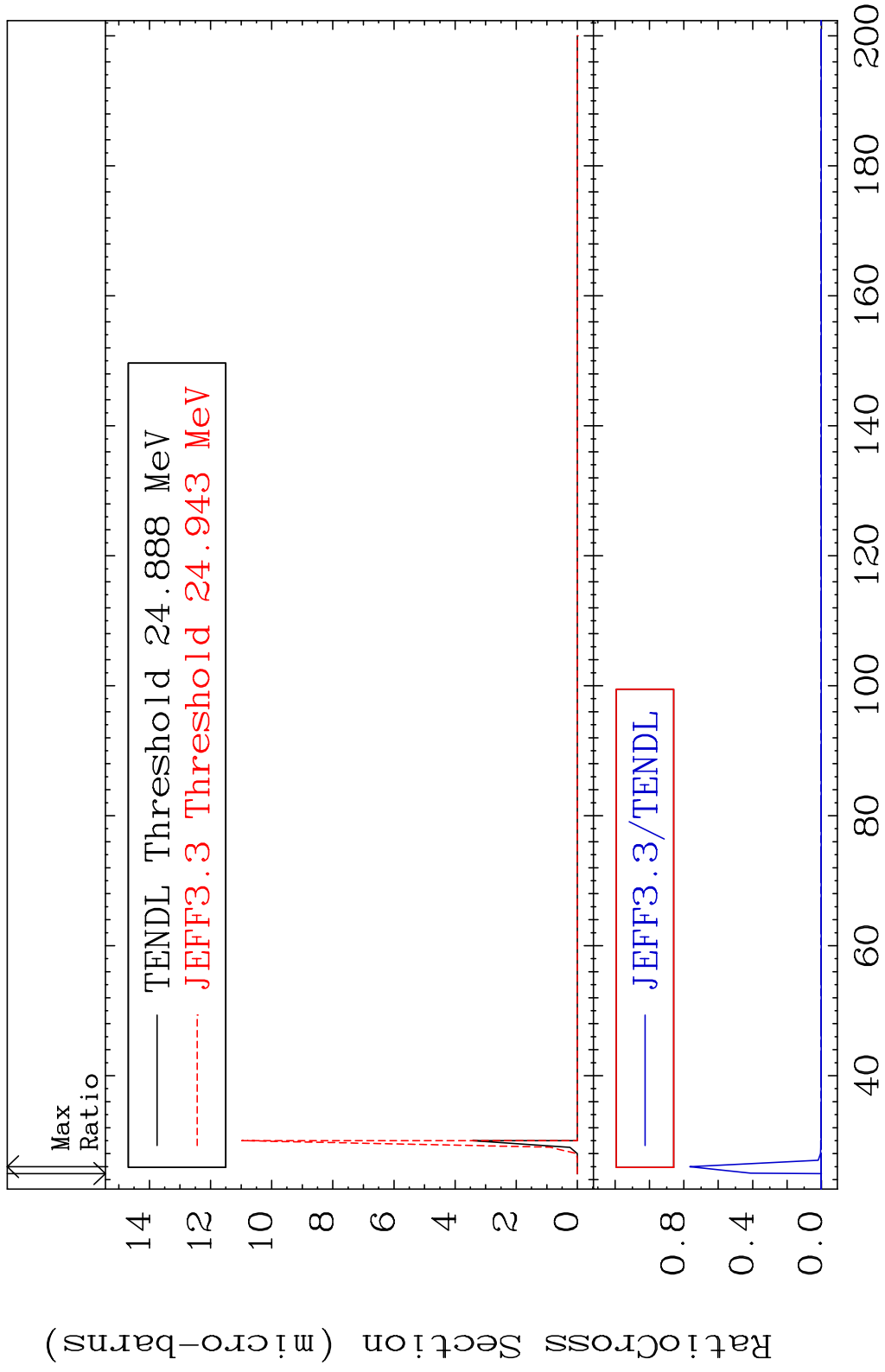
MAT 1625 (n,3n) 16-S -32
 Cross Section -100.0 To 85.17 %



MAT 1625 (n, n') α 16-S -32
 Cross Section -97.75 To 2222. %



MAT 1625 (n,2n) α 16-S -32
Cross Section -100.0 To 9999. %

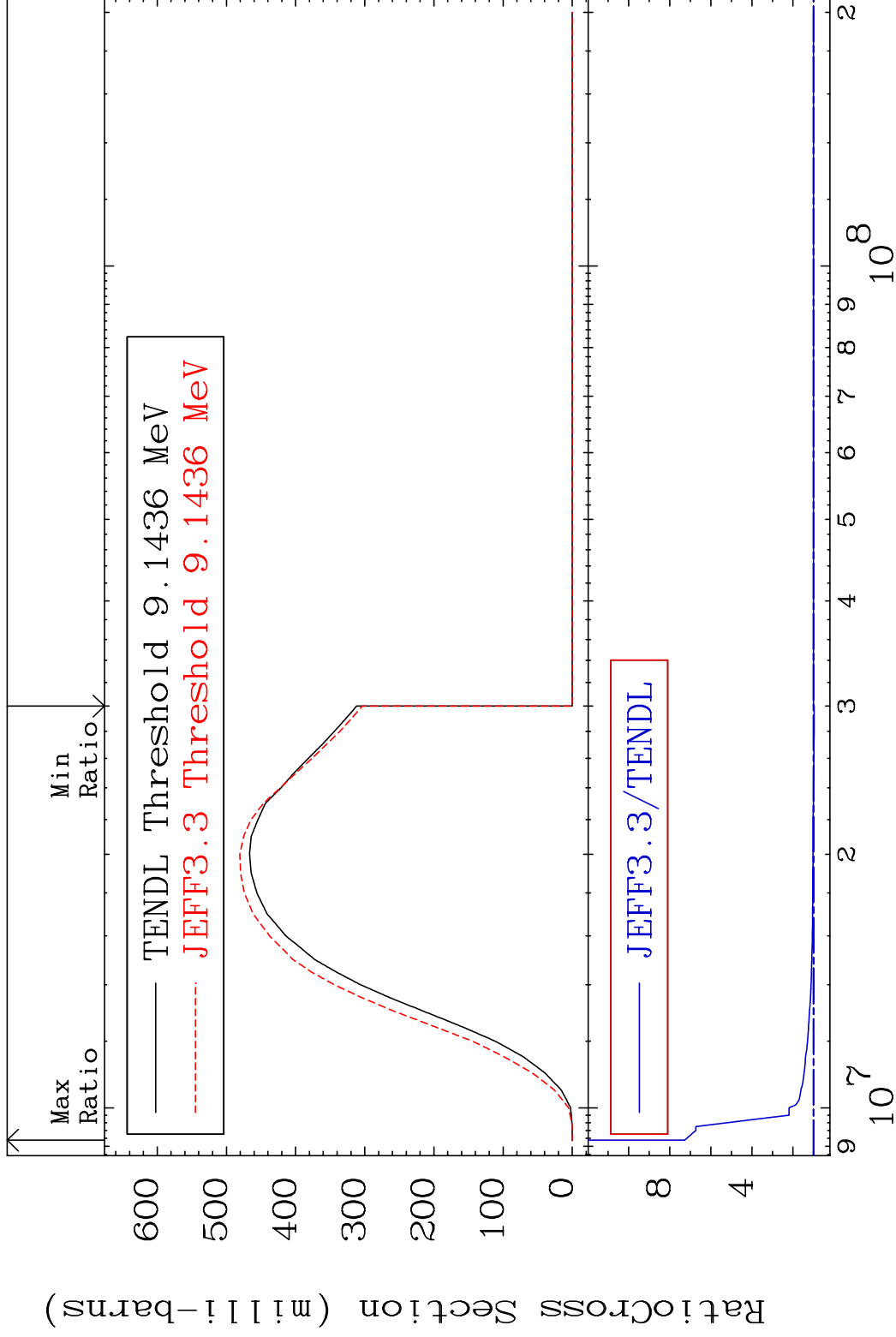


MAT 1625

(n, n') p

16-S -32

Cross Section -2.623 To 632.2 %

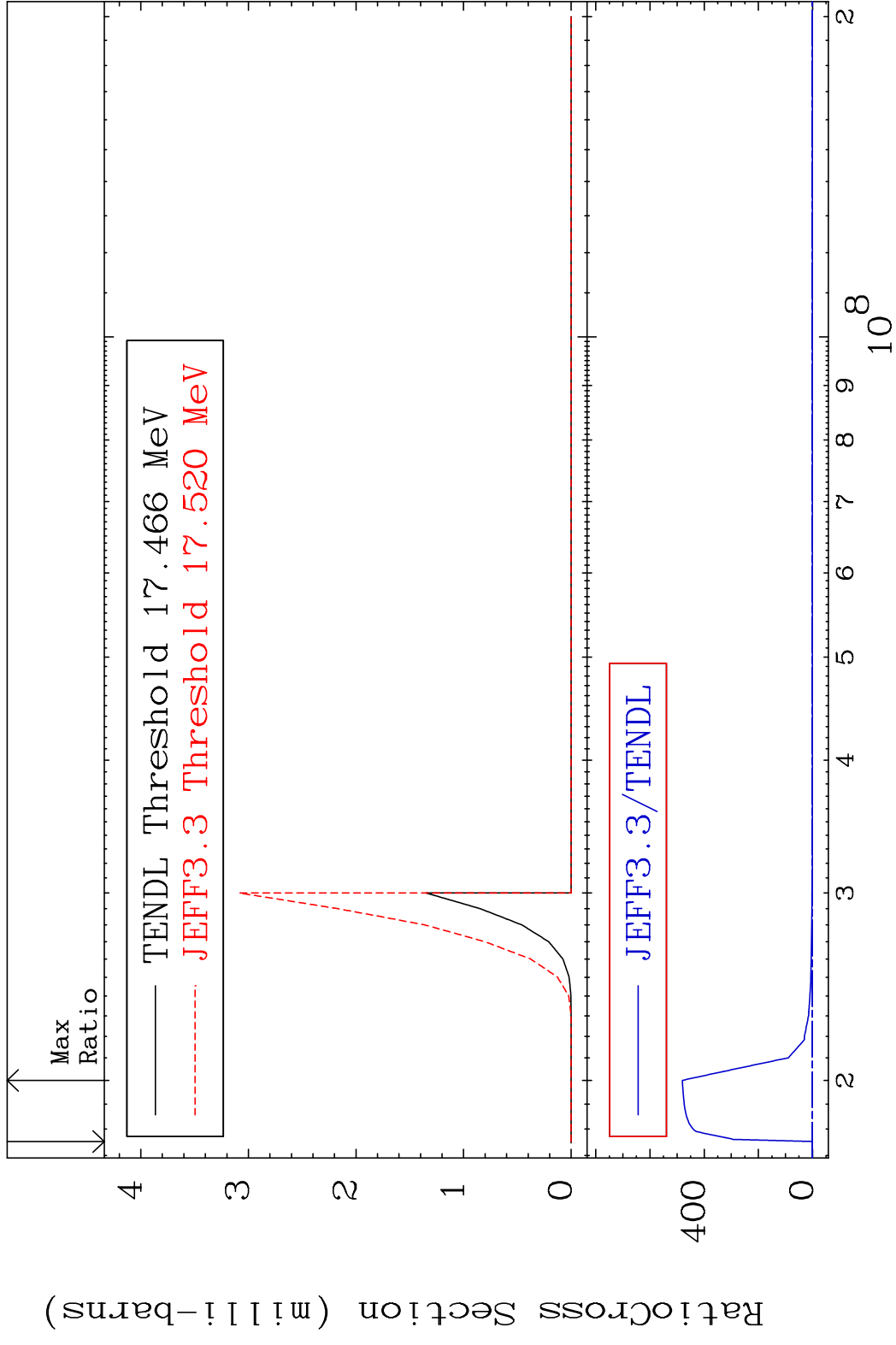


9

Incident Energy (eV)

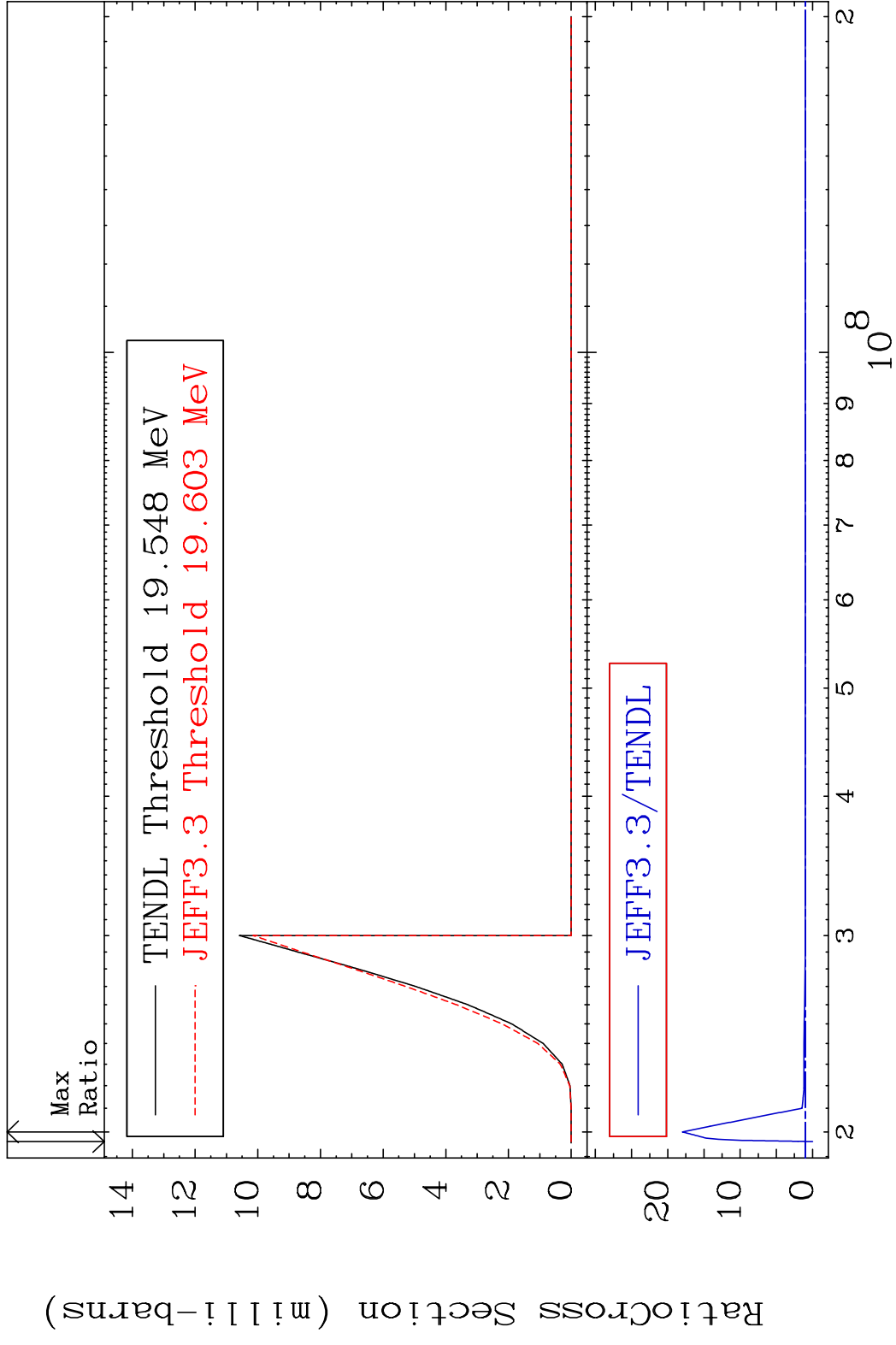
16-S -32

MAT 1625 (n, n') 2α 16-S -32
 Cross Section -100.0 To 9999. %



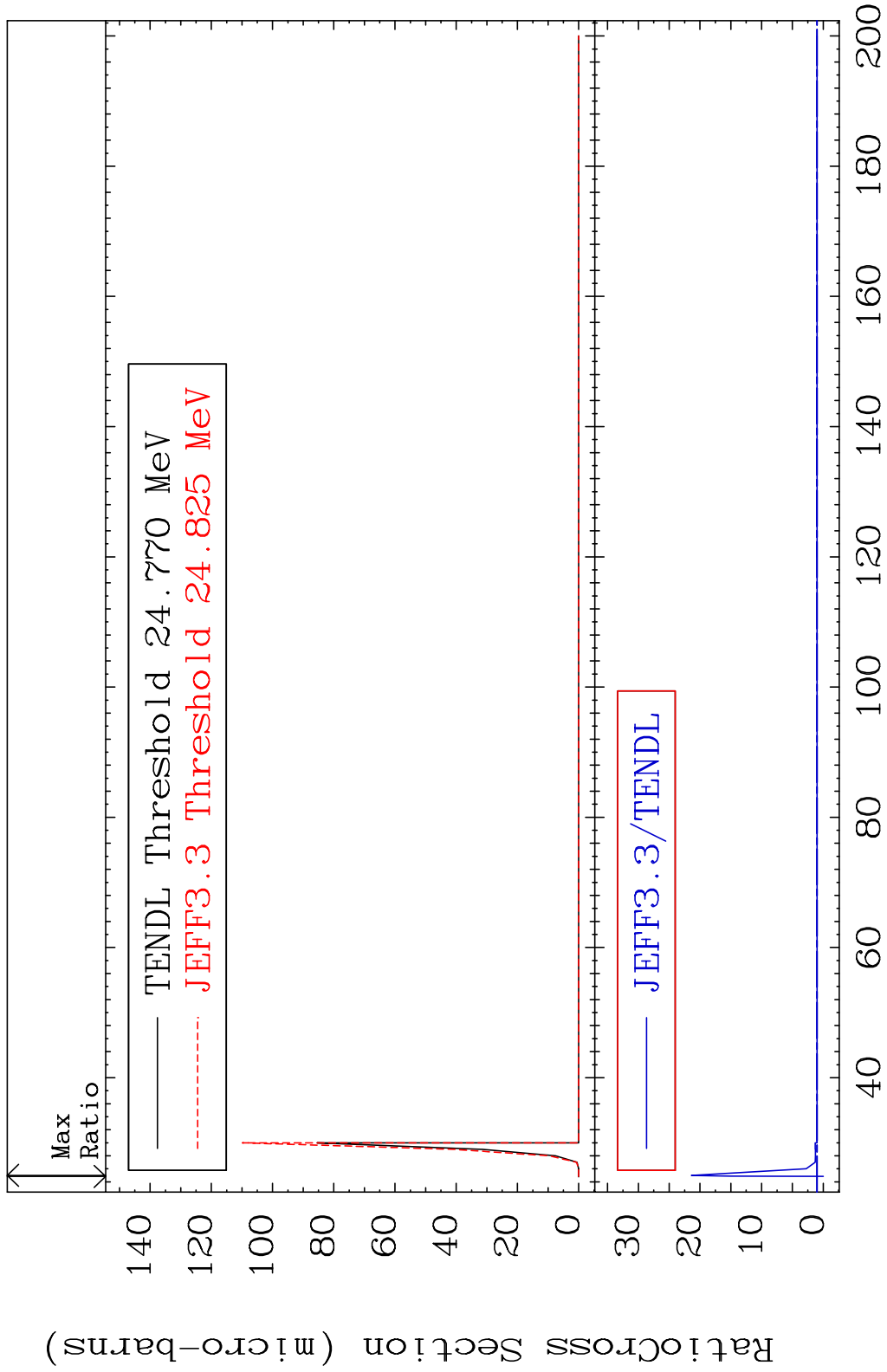
10 16-S -32

MAT 1625 (n, n') d 16-S -32
 Cross Section -100.0 To 1699. %

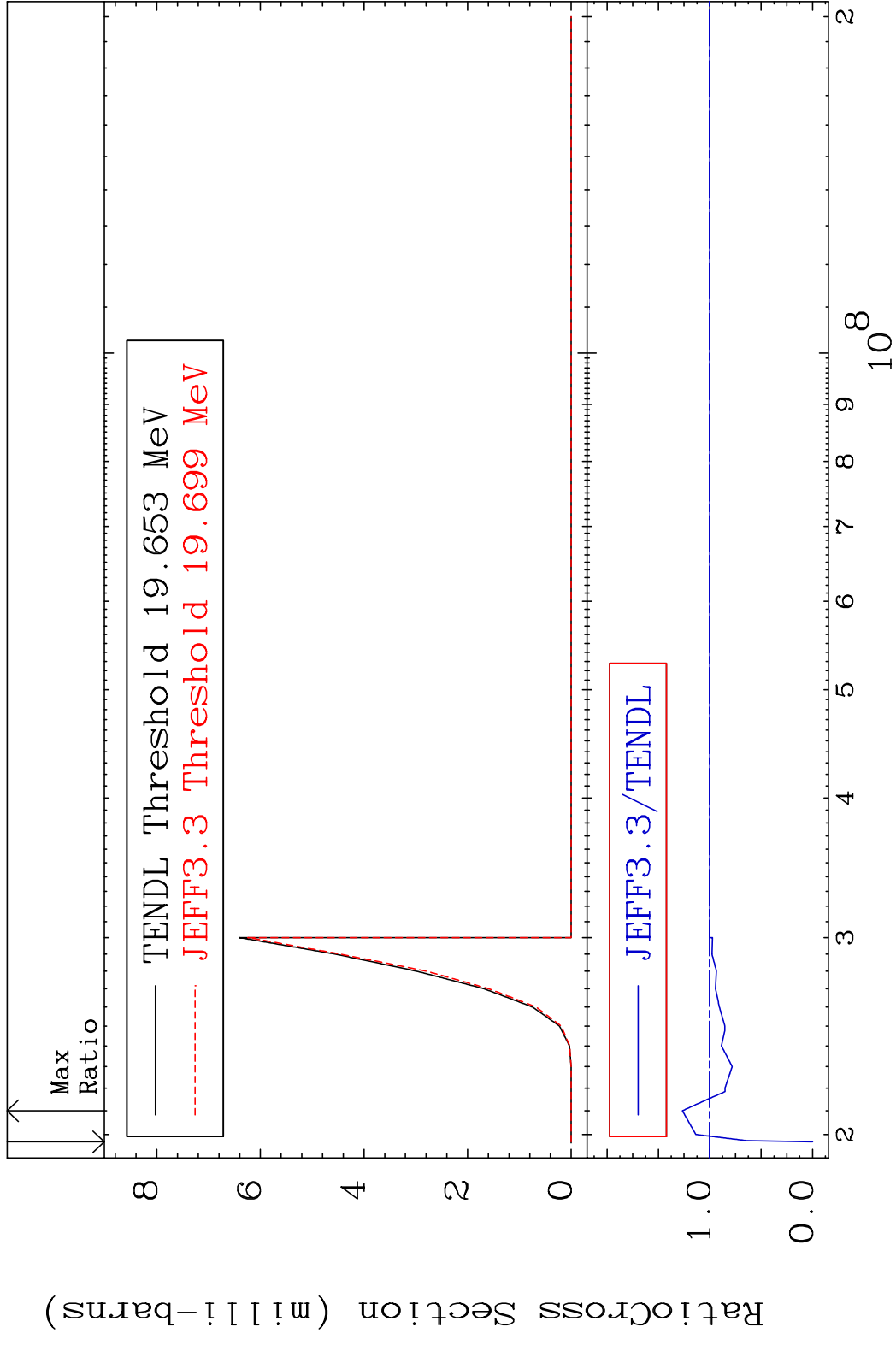


11 Incident Energy (eV) 16-S -32

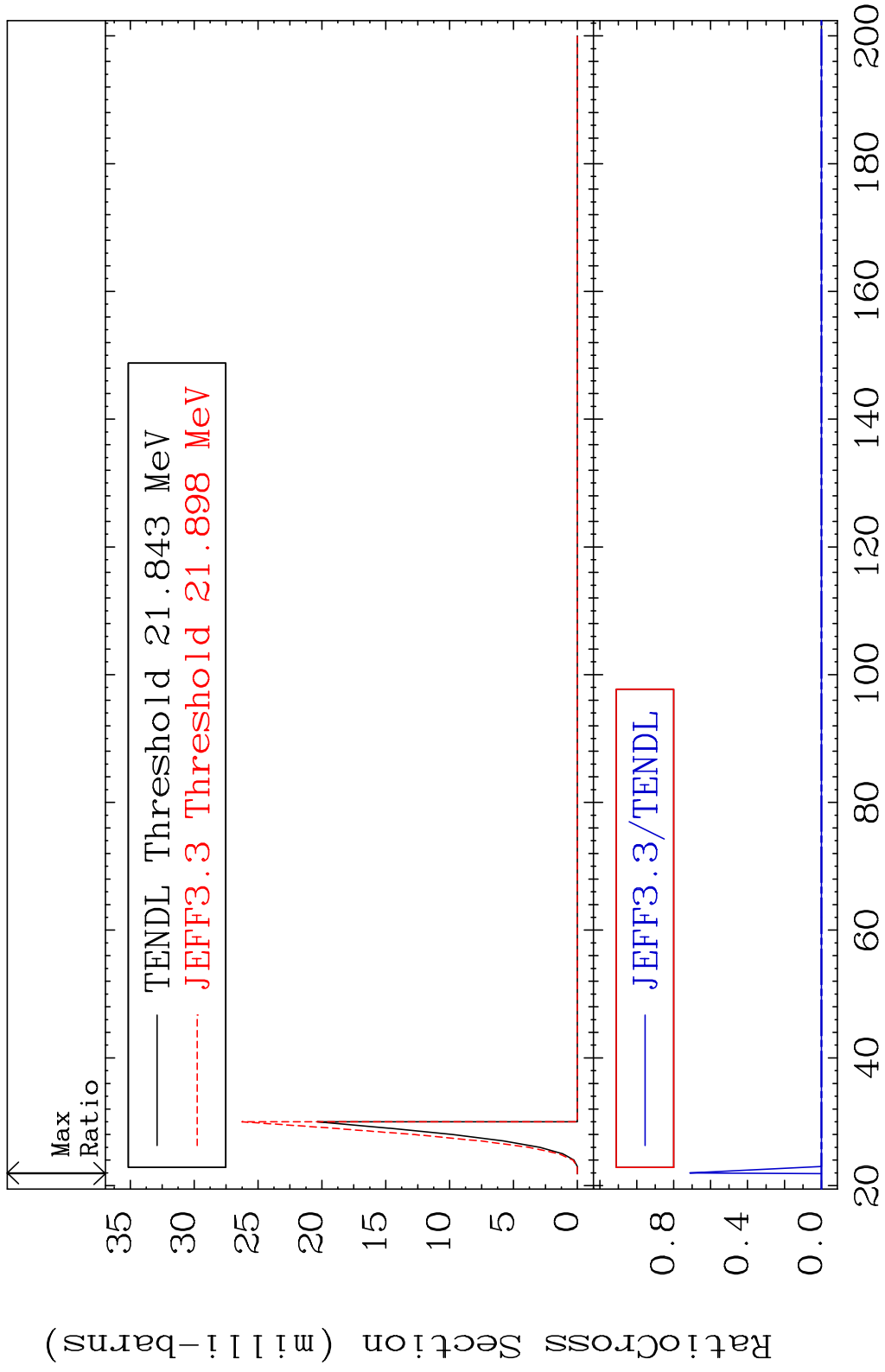
MAT 1625 (n, n') t 16-S -32
 Cross Section -100.0 To 2040. %



MAT 1625 (n,n') He-3 16-S -32
 Cross Section -100.0 To 26.70 %

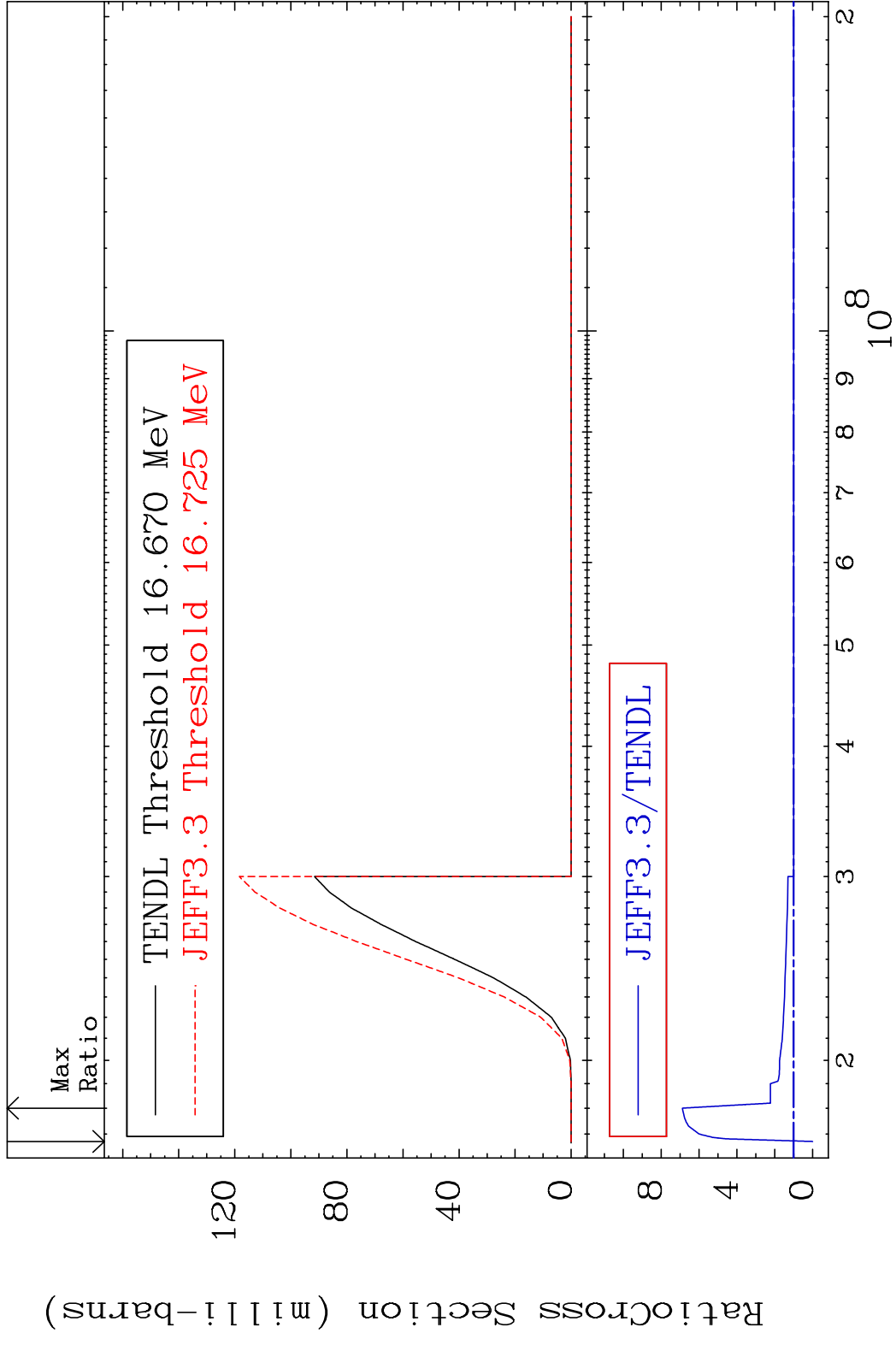


MAT 1625 (n,2n) p 16-S -32
 Cross Section -100.0 To 9999. %



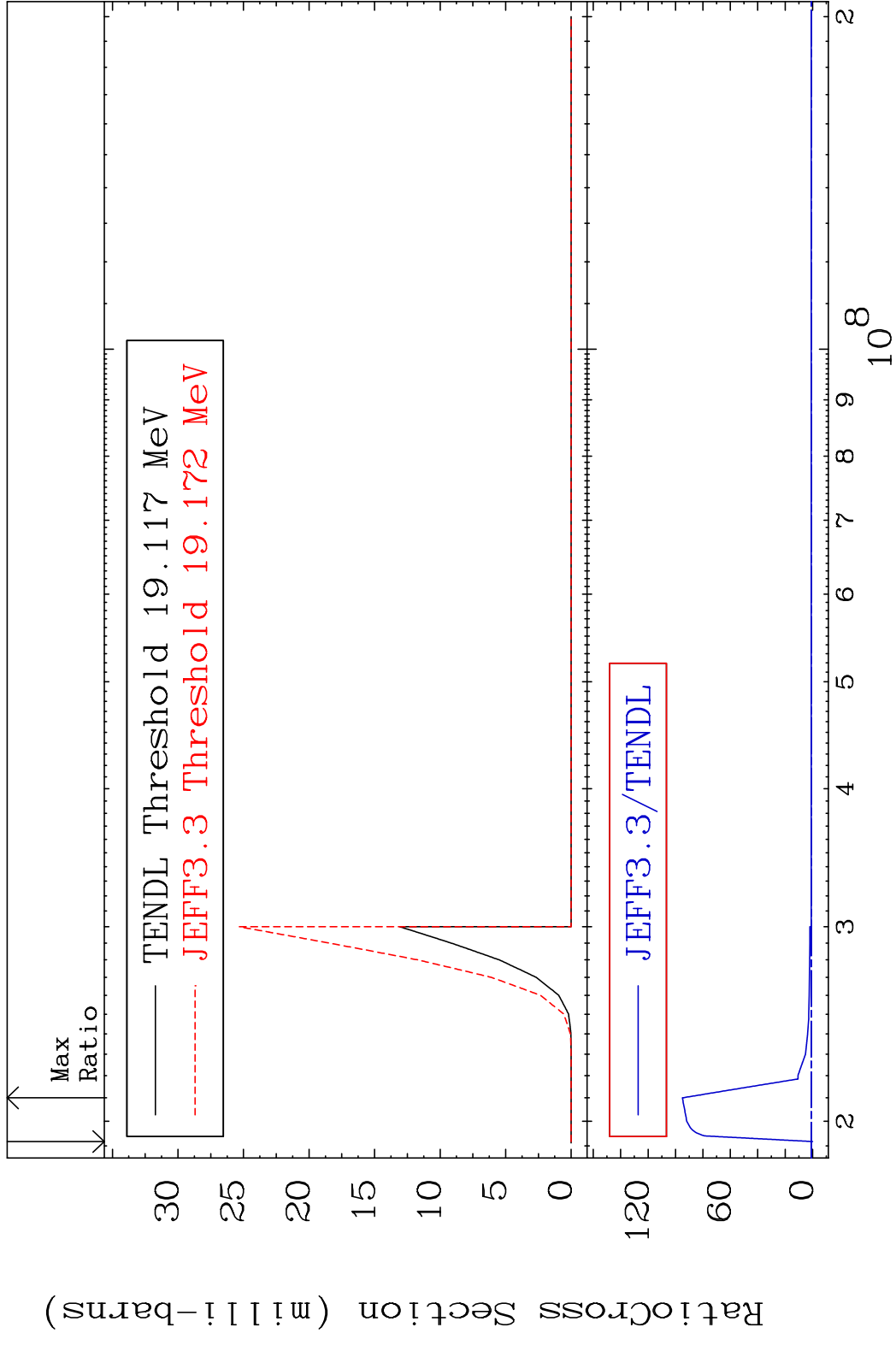
14 Incident Energy (MeV) 16-S -32

MAT 1625 (n,2n) p 16-S -32
 Cross Section -100.0 To 587.7 %



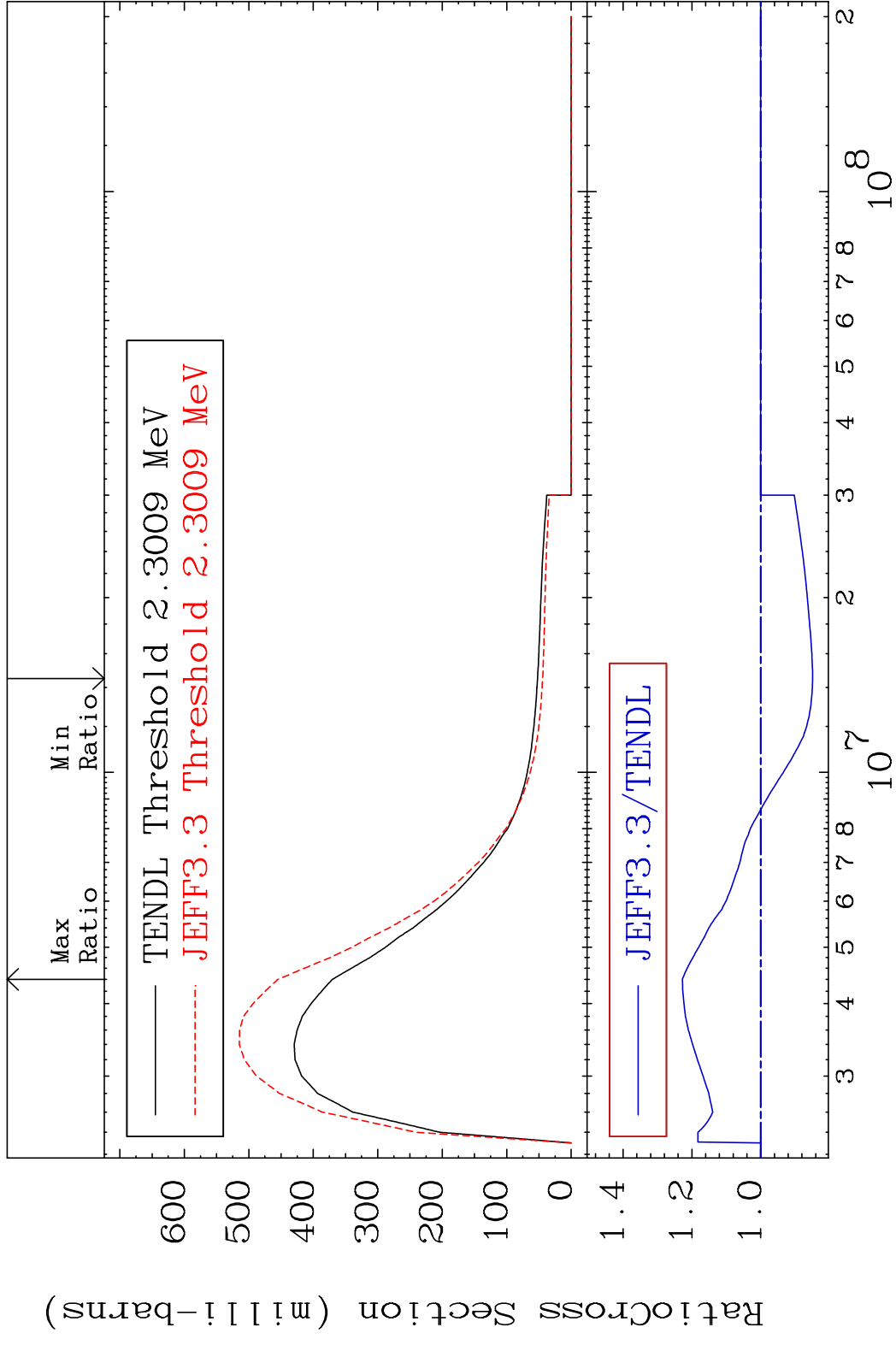
15 16-S -32

MAT 1625 (n,n') p α 16-S -32
 Cross Section -100.0 To 9400. %



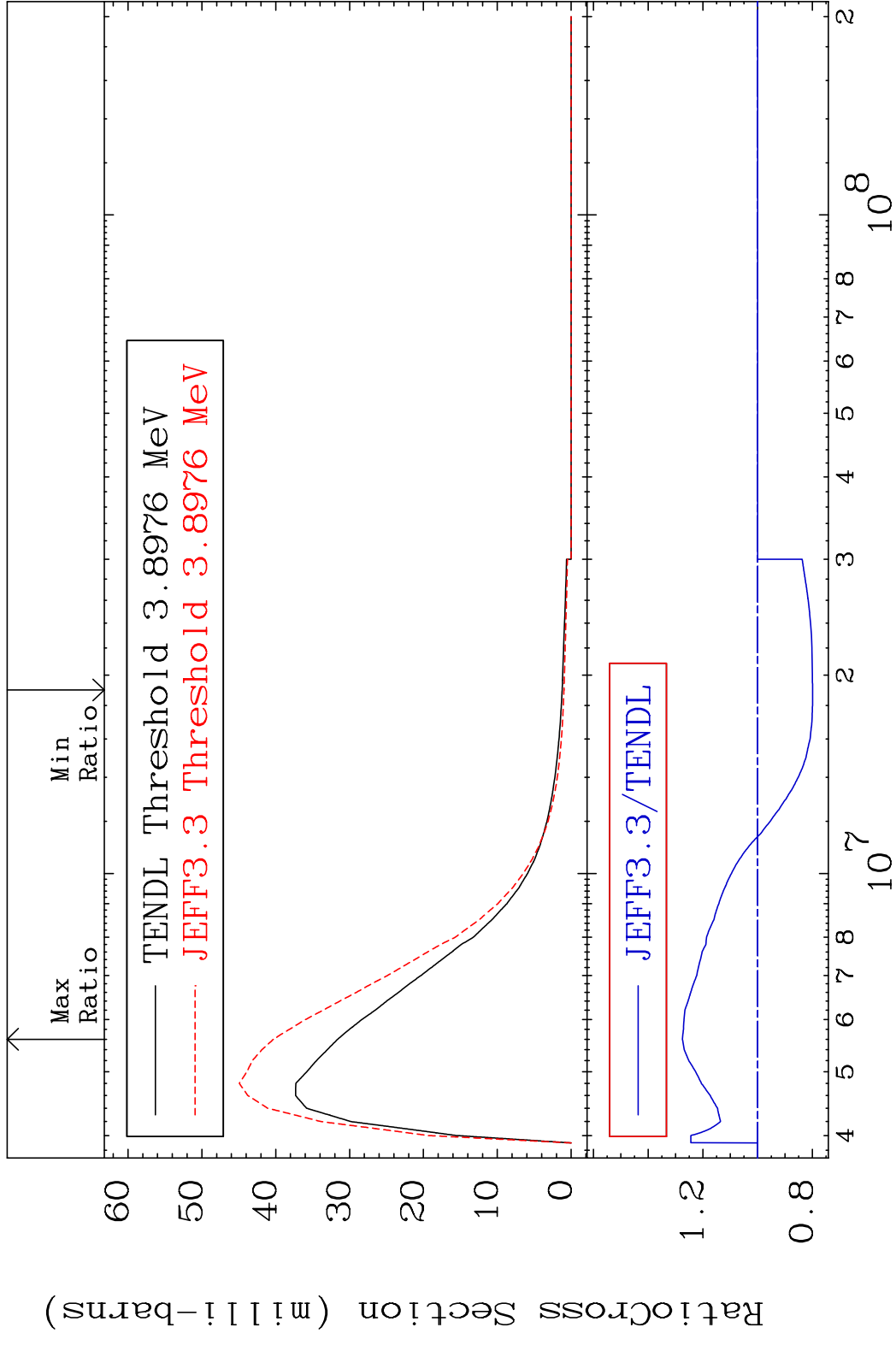
16 16-S -32

MAT 1625 MT= 51 (n,n') Level 16-S -32
 Cross Section -15.07 To 22.77 %

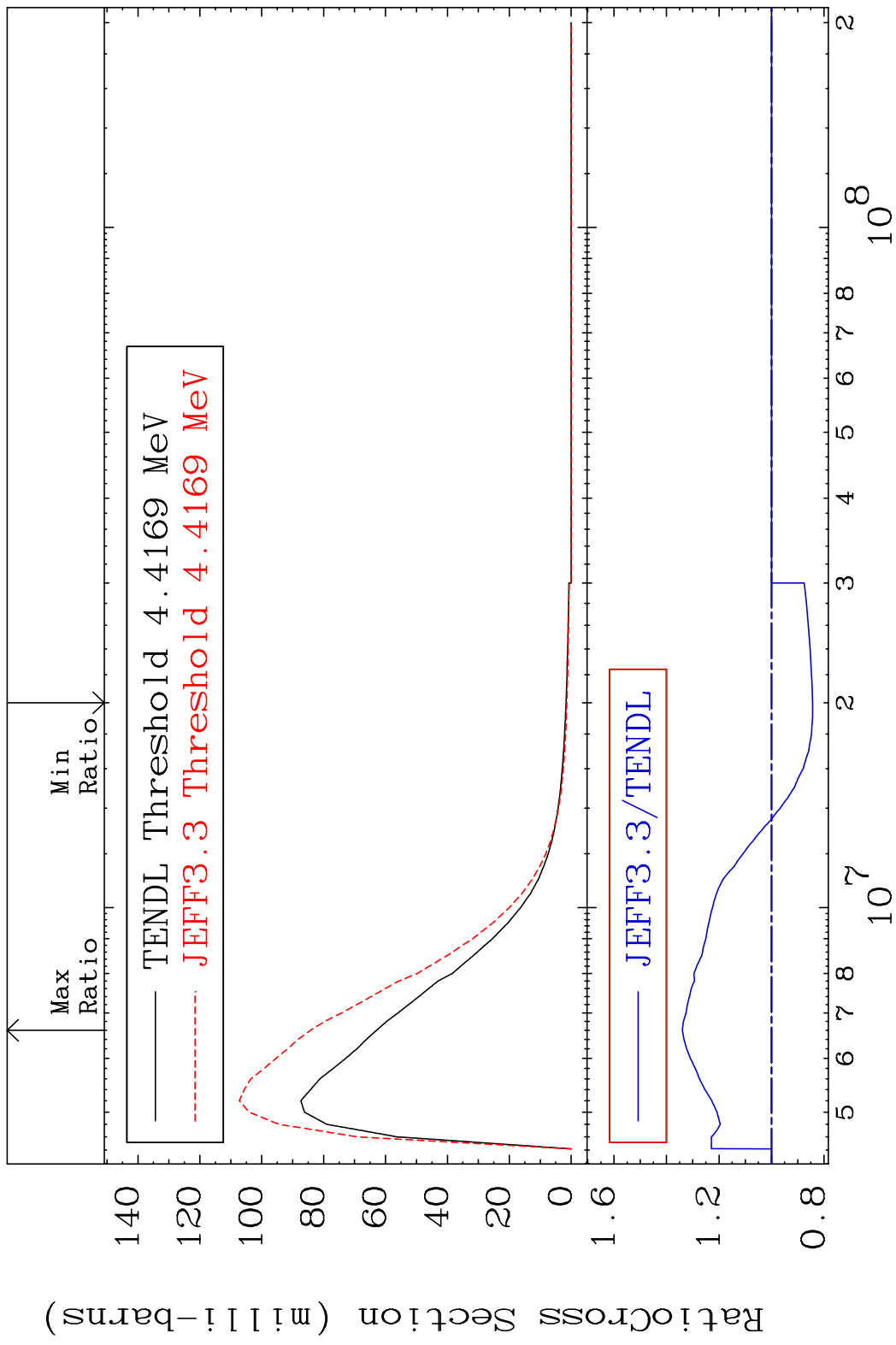


17 16-S -32

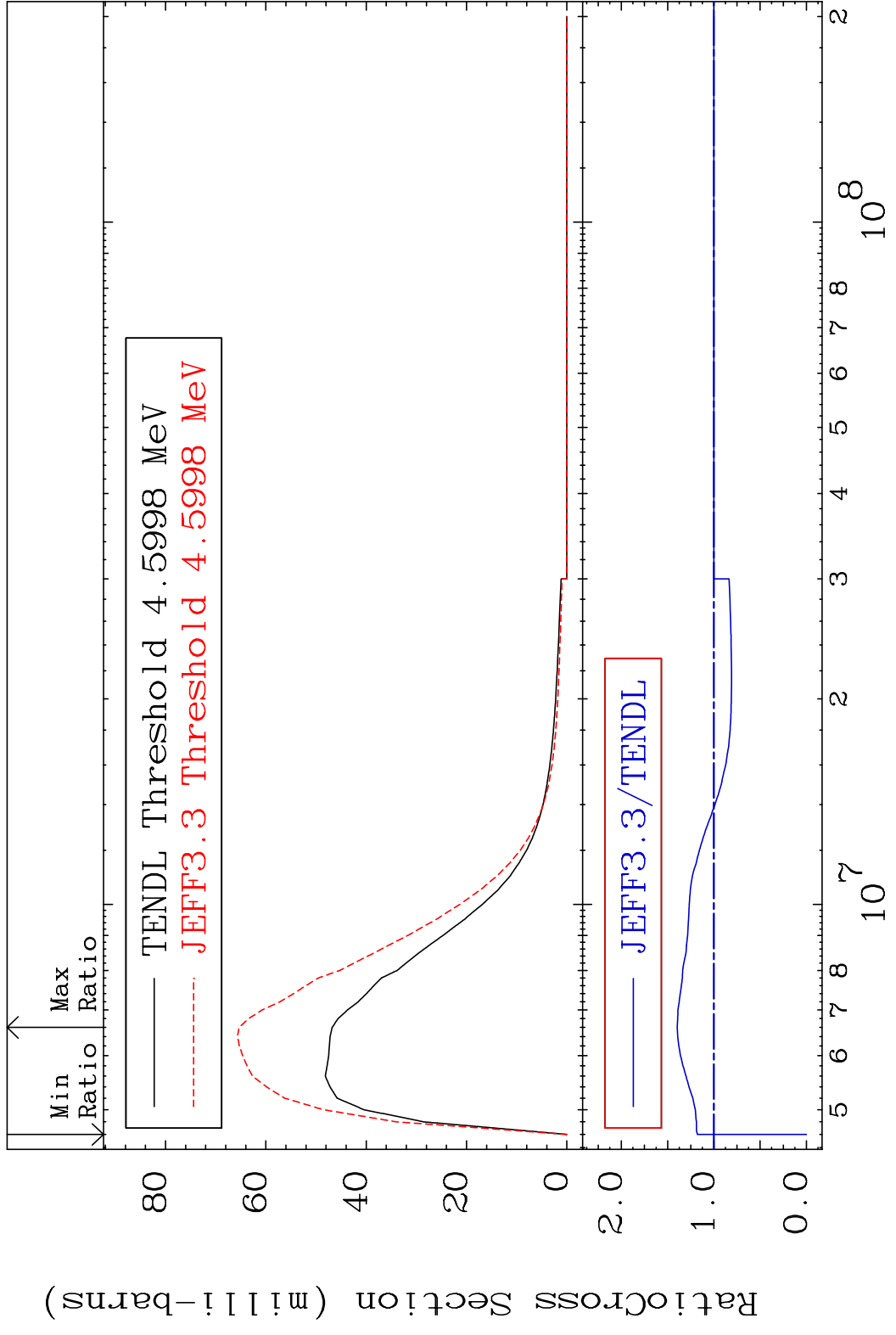
MAT 1625 MT= 52 (n,n') Level 16-S -32
 Cross Section -20.09 To 27.49 %



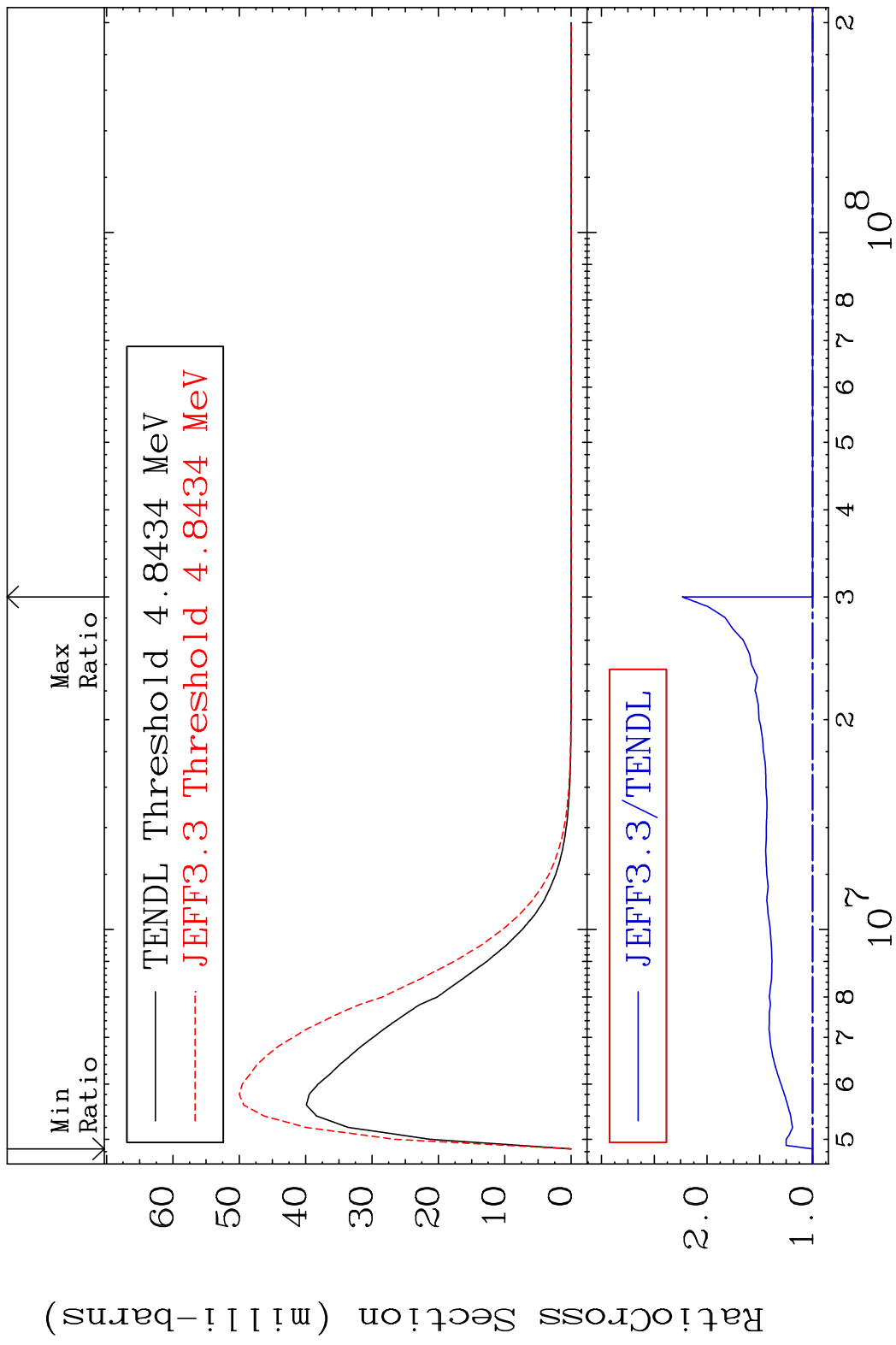
MAT 1625 MT= 53 (n,n') Level 16-S -32
 Cross Section -15.64 To 33.96 %



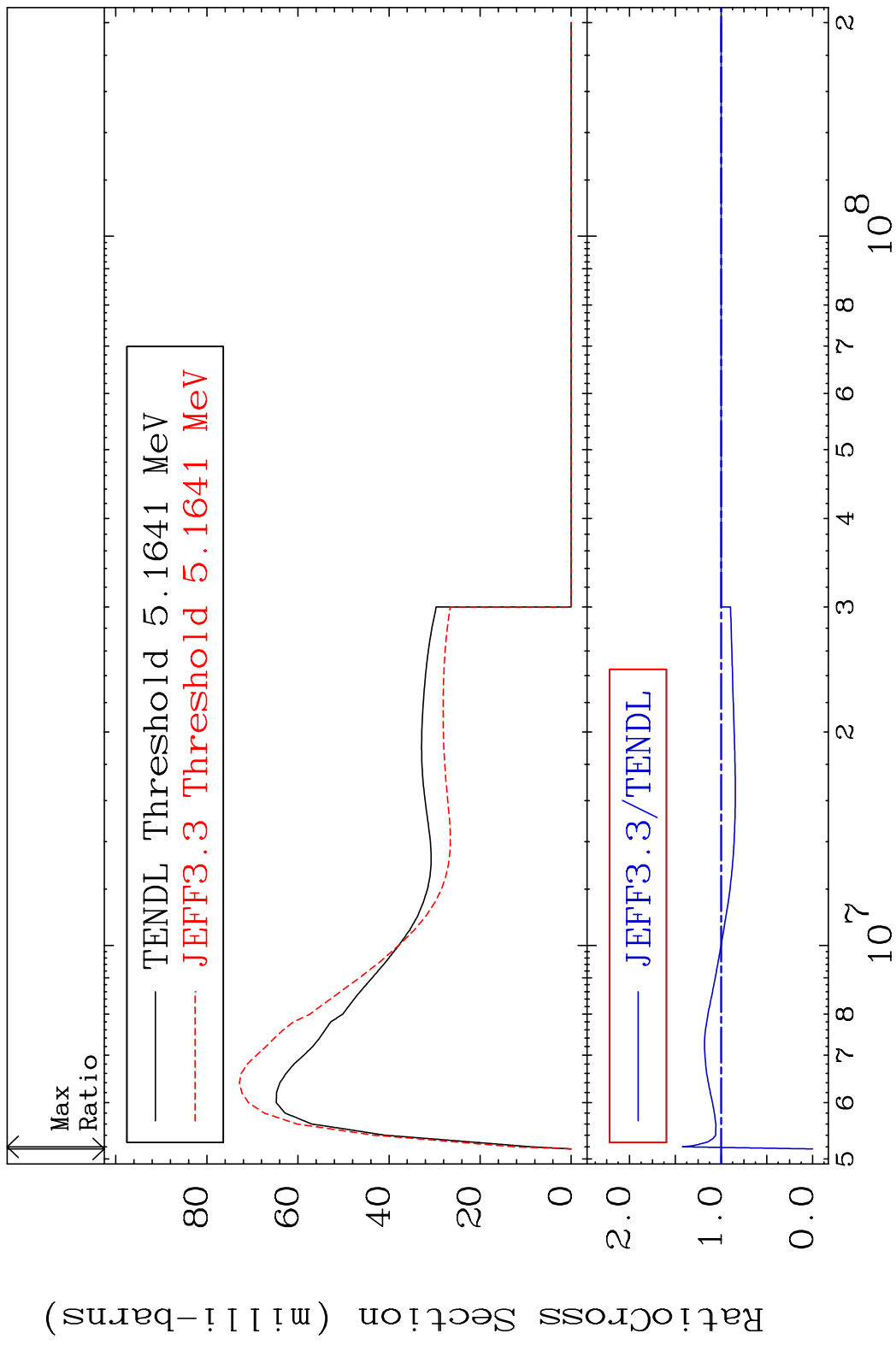
MAT 1625 MT= 54 (n, n') Level 16-S -32
 Cross Section -100.0 To 39.67 %



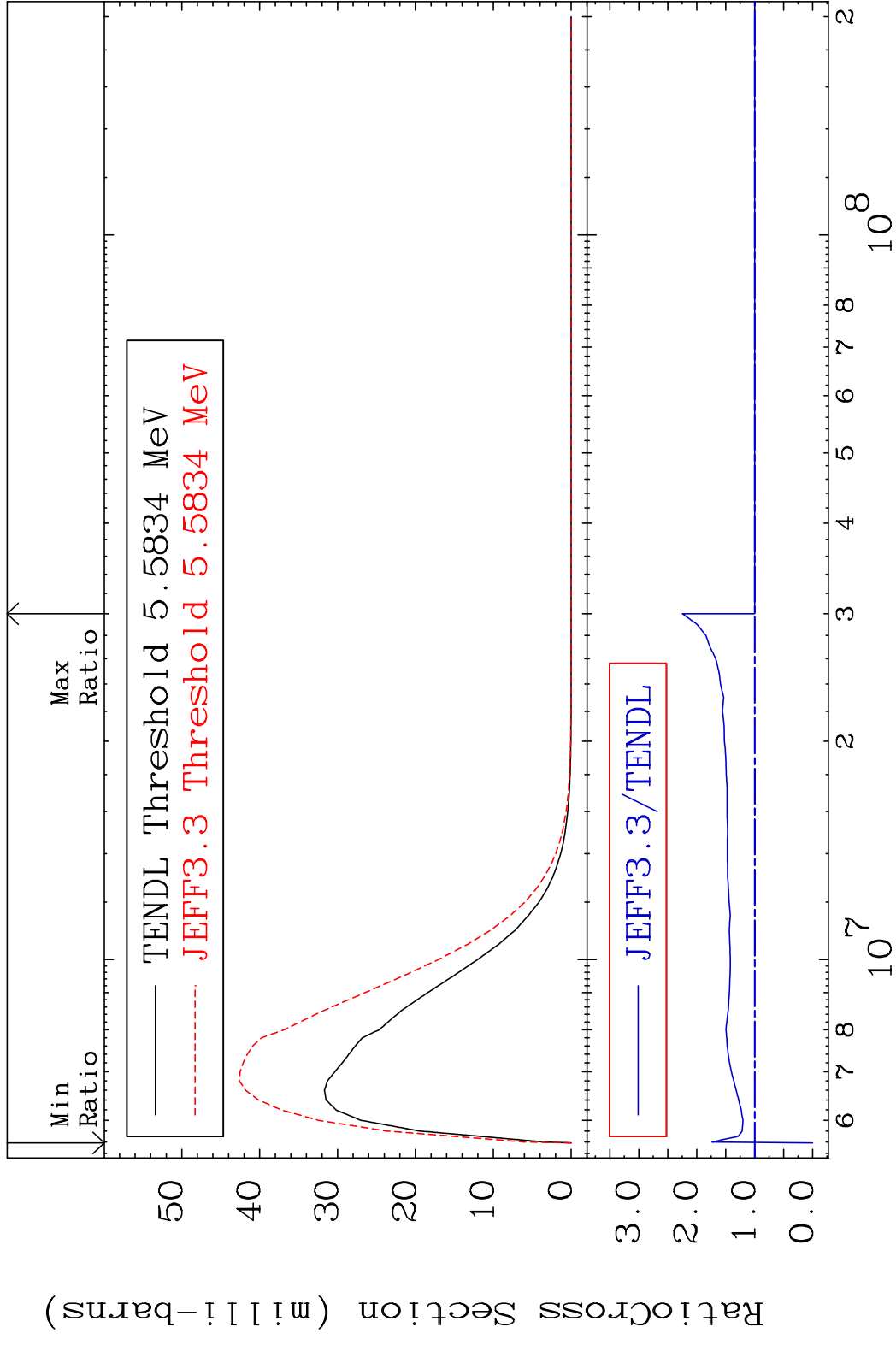
MAT 1625 MT= 55 (n, n') Level 16-S -32
 Cross Section 0.000 To 123.4 %



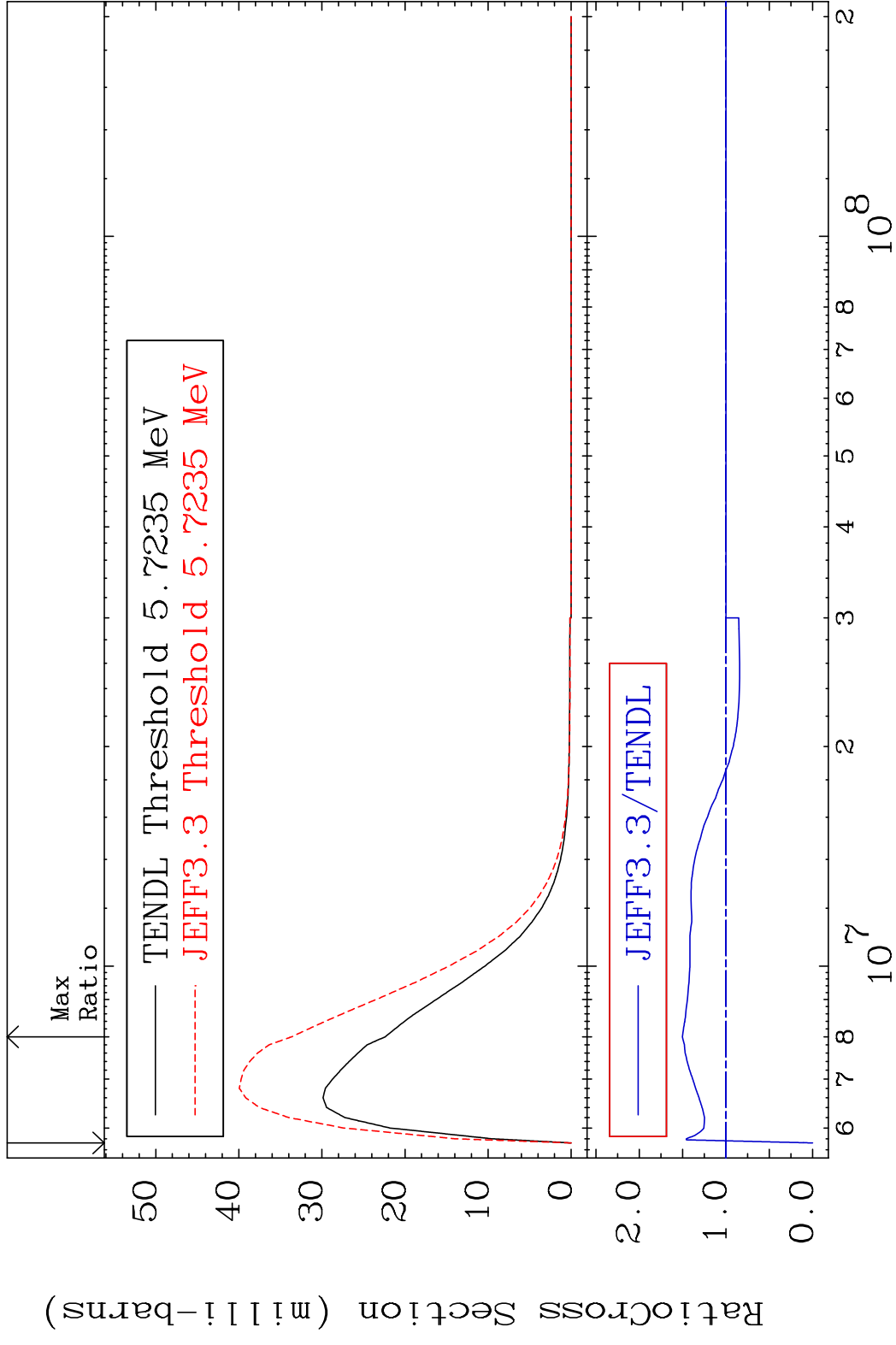
MAT 1625 MT= 56 (n,n') Level 16-S -32
 Cross Section -100.0 To 42.30 %



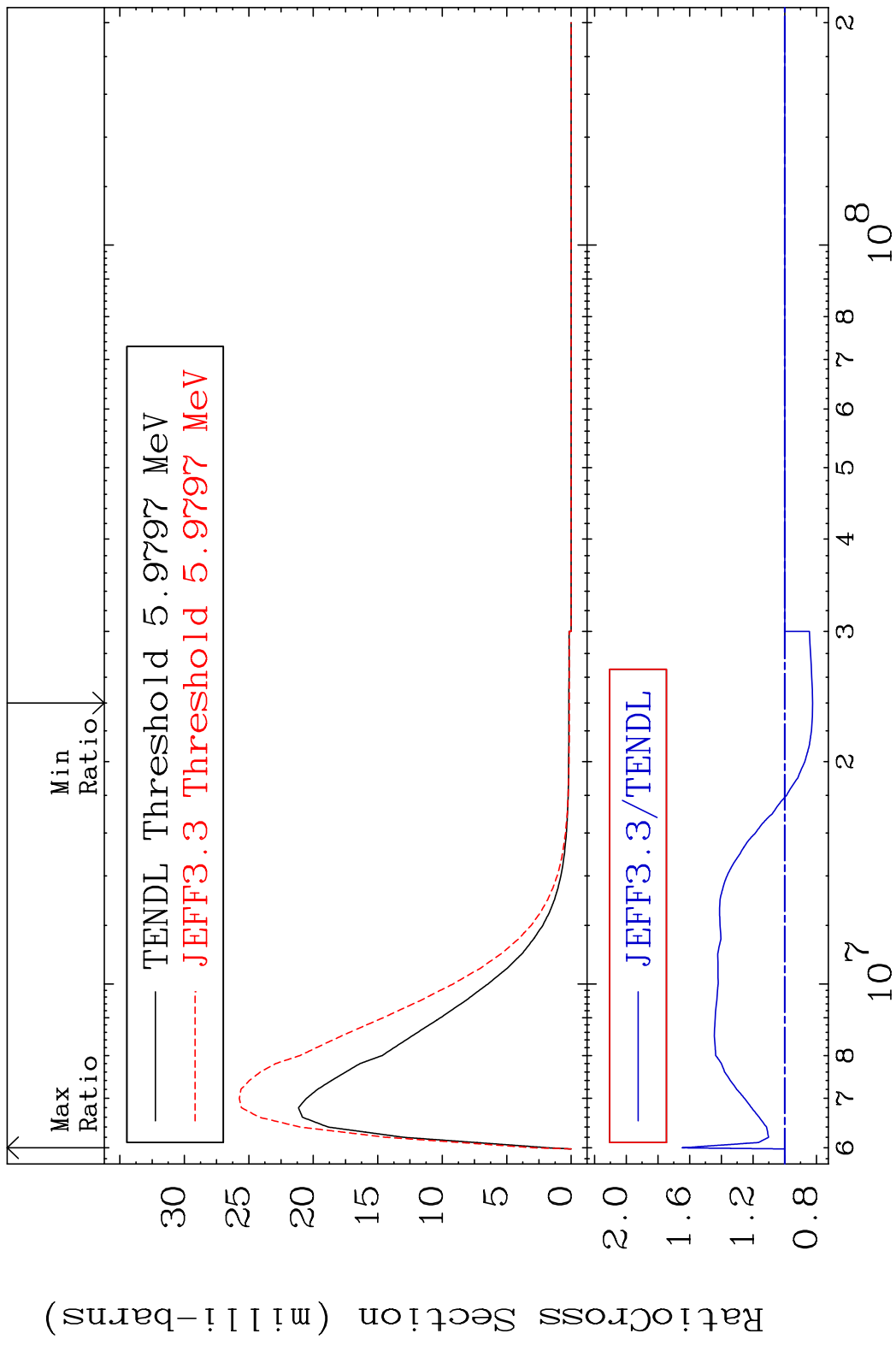
MAT 1625 MT= 57 (n, n') Level 16-S -32
 Cross Section -100.0 To 124.8 %



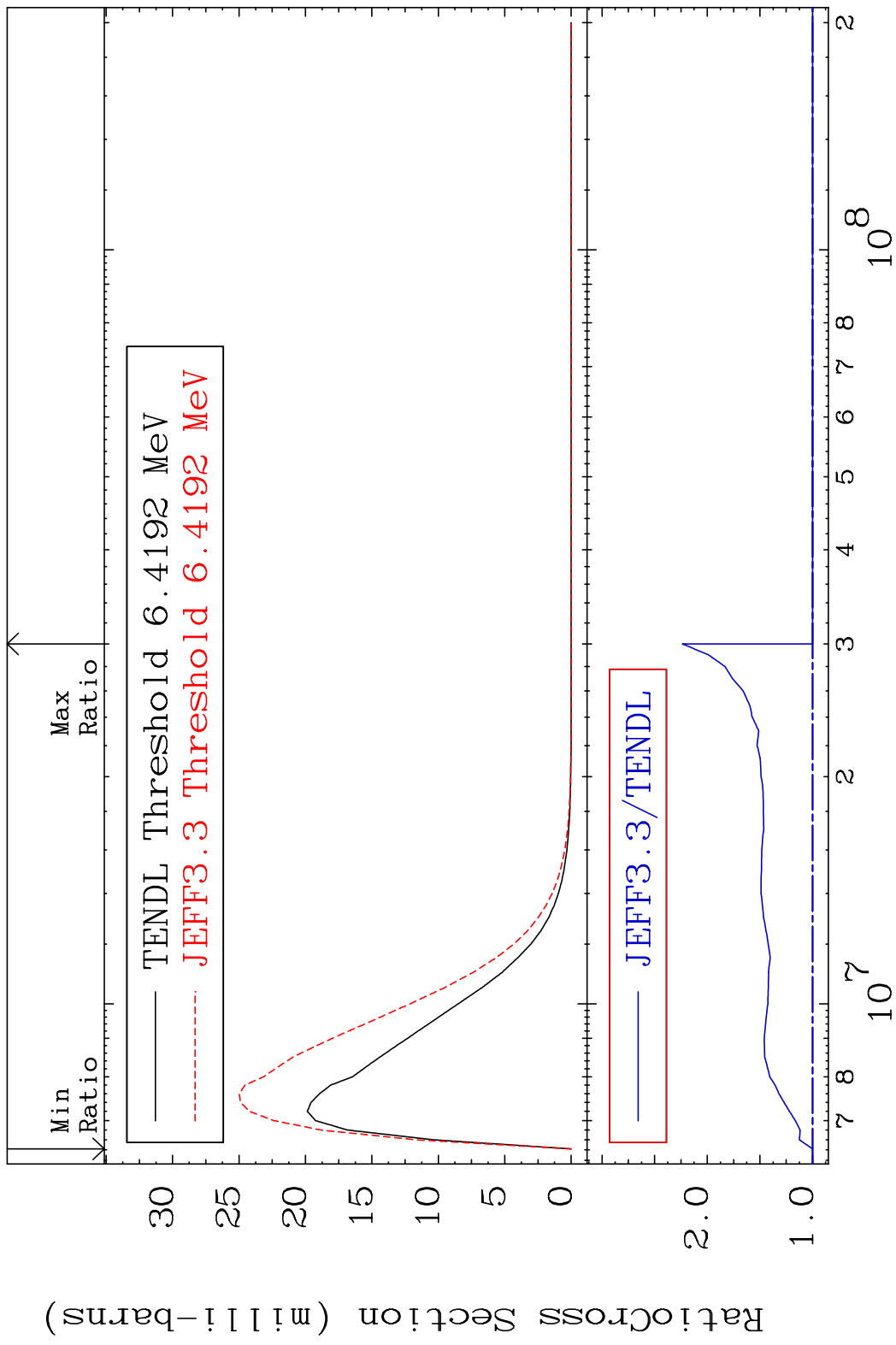
MAT 1625 MT= 58 (n,n') Level 16-S -32
 Cross Section -100.0 To 50.29 %



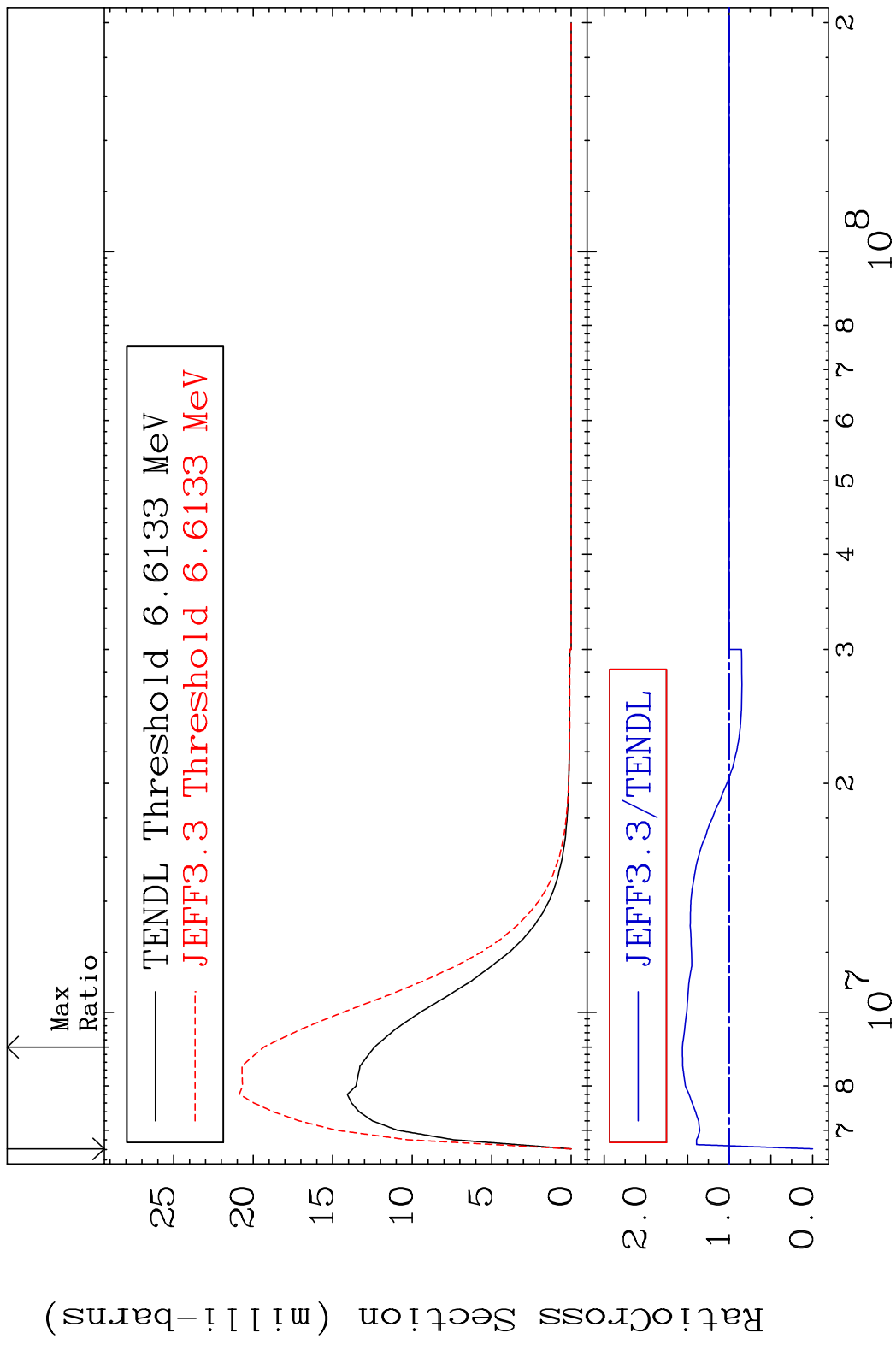
MAT 1625 MT= 59 (n,n') Level 16-S -32
 Cross Section -17.59 To 64.56 %



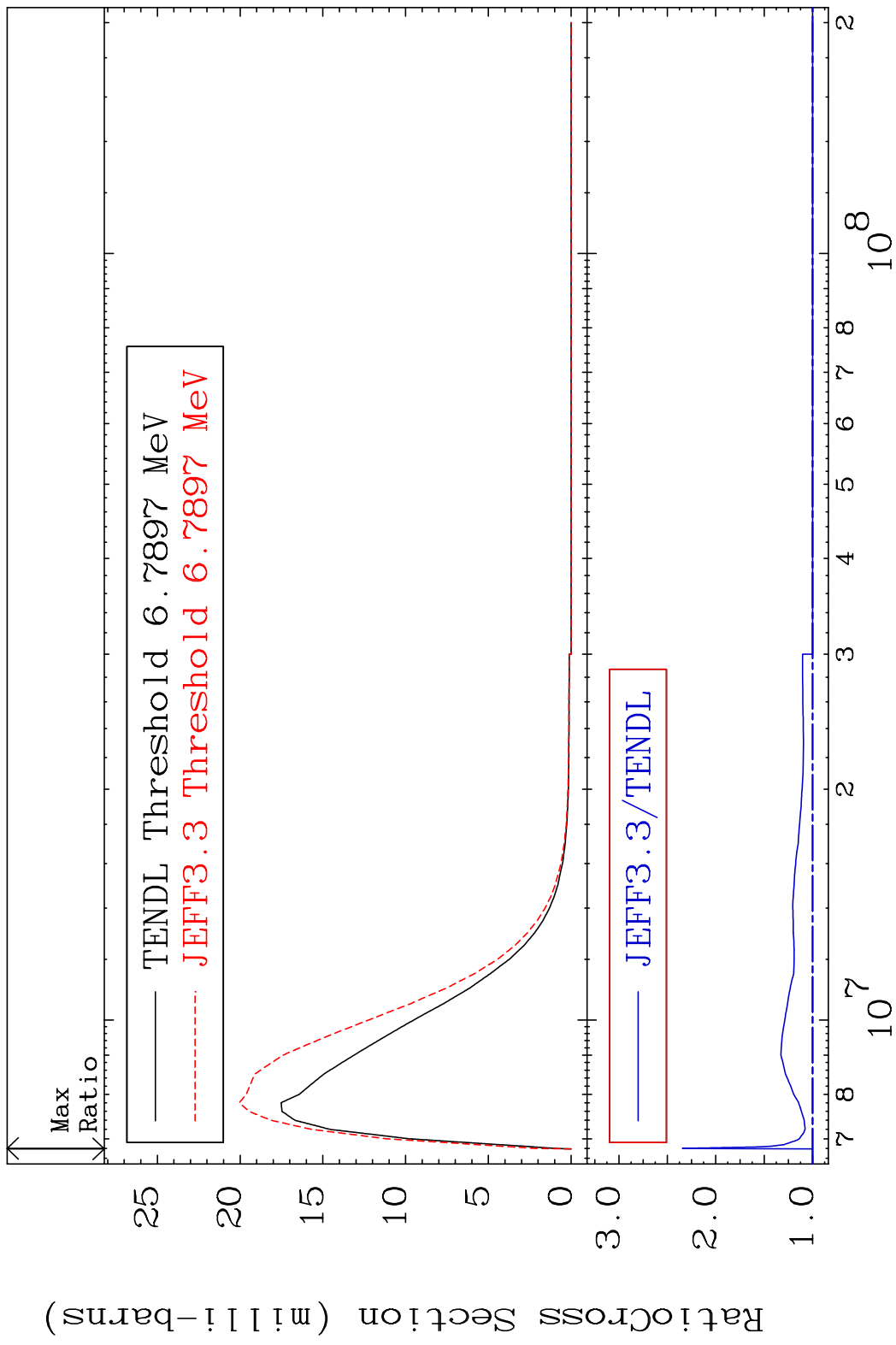
MAT 1625 MT= 60 (n, n') Level 16-S -32
 Cross Section 0.000 To 123.7 %



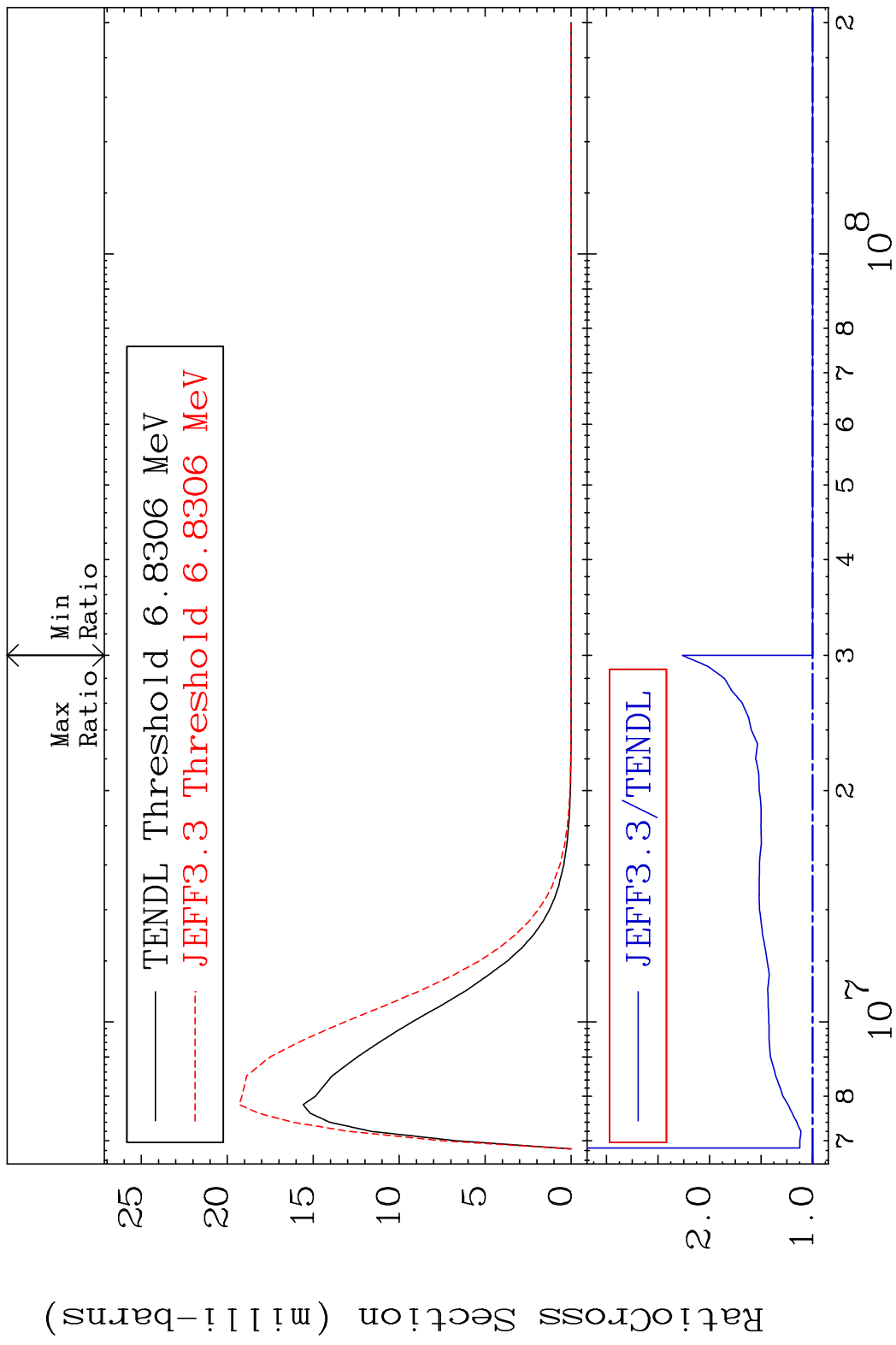
MAT 1625 MT= 61 (n,n') Level 16-S -32
 Cross Section -100.0 To 56.28 %



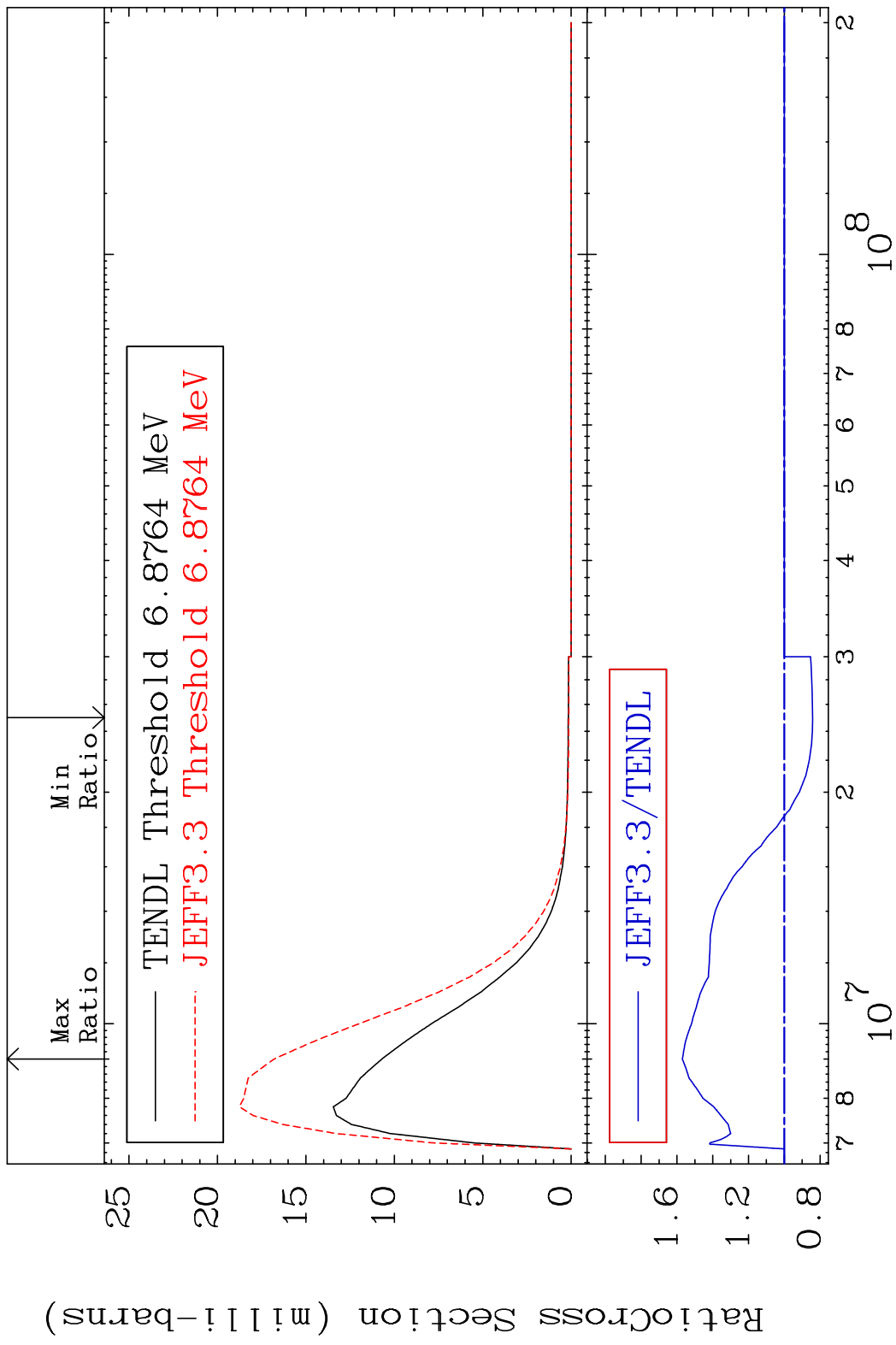
MAT 1625 MT= 62 (n, n') Level 16-S -32
 Cross Section 0.000 To 134.5 %



MAT 1625 MT= 63 (n, n') Level 16-S -32
 Cross Section 0.000 To 126.4 %

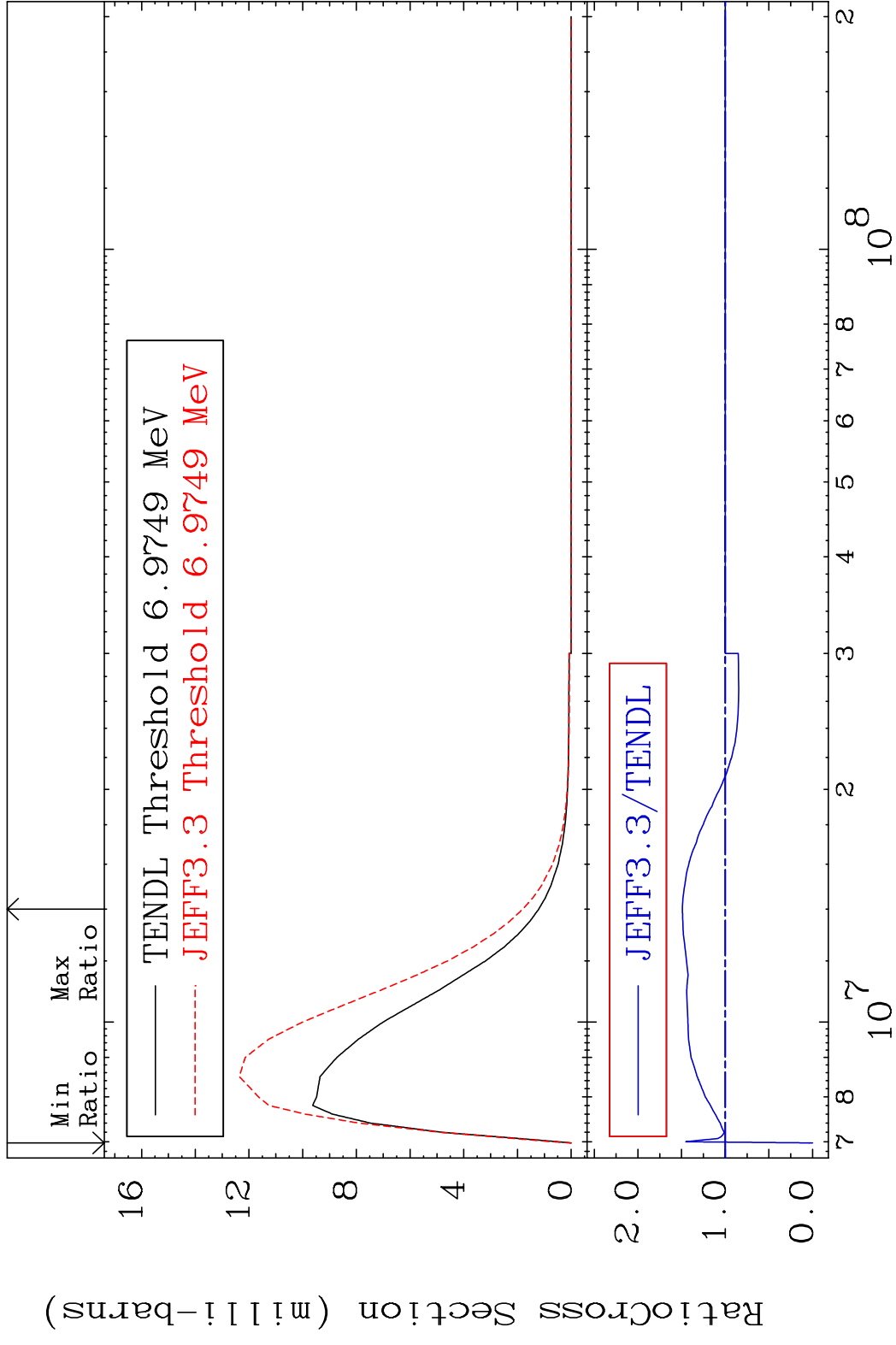


MAT 1625 MT= 64 (n,n') Level 16-S -32
 Cross Section -15.79 To 56.98 %

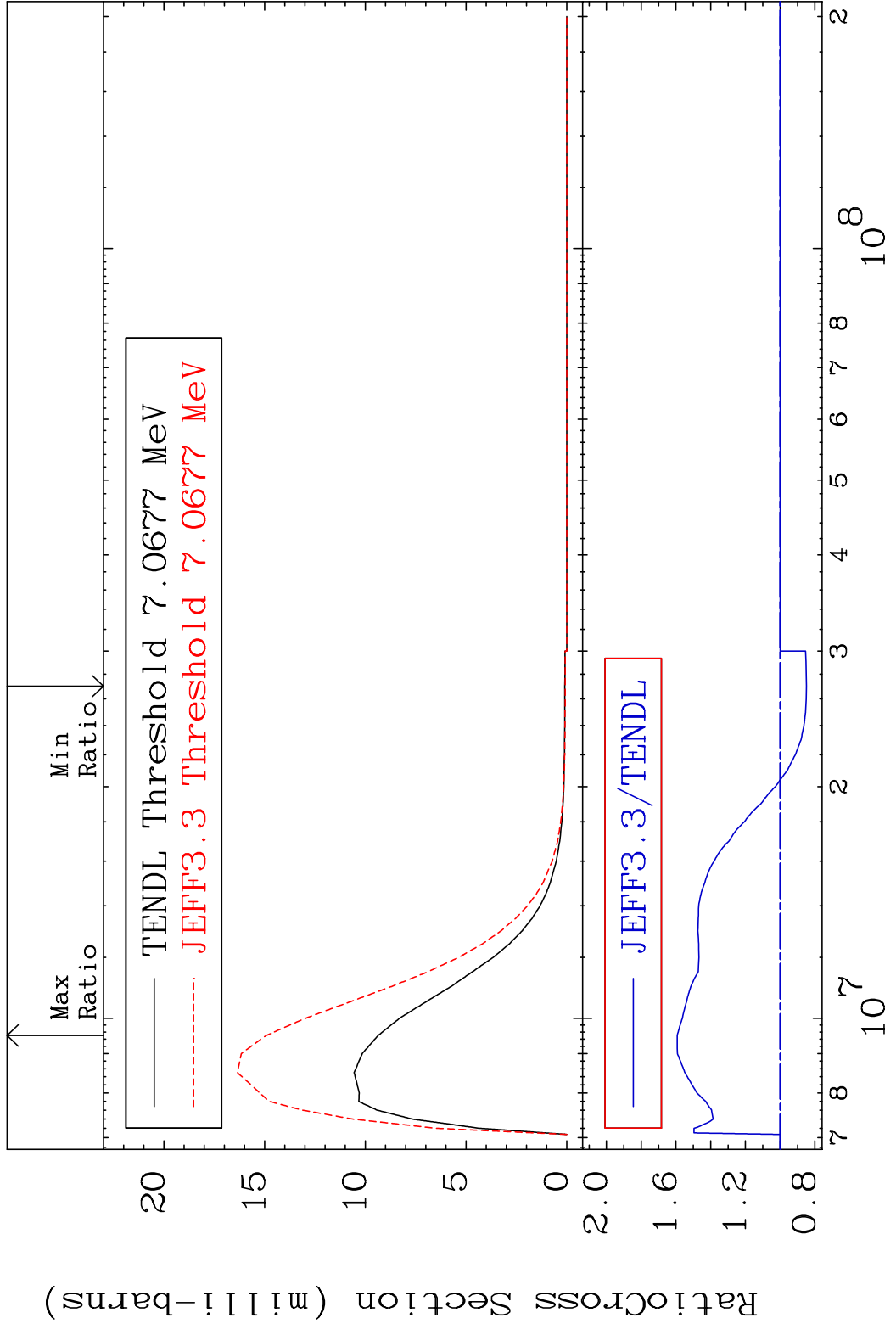


30 Incident Energy (eV) 16-S -32

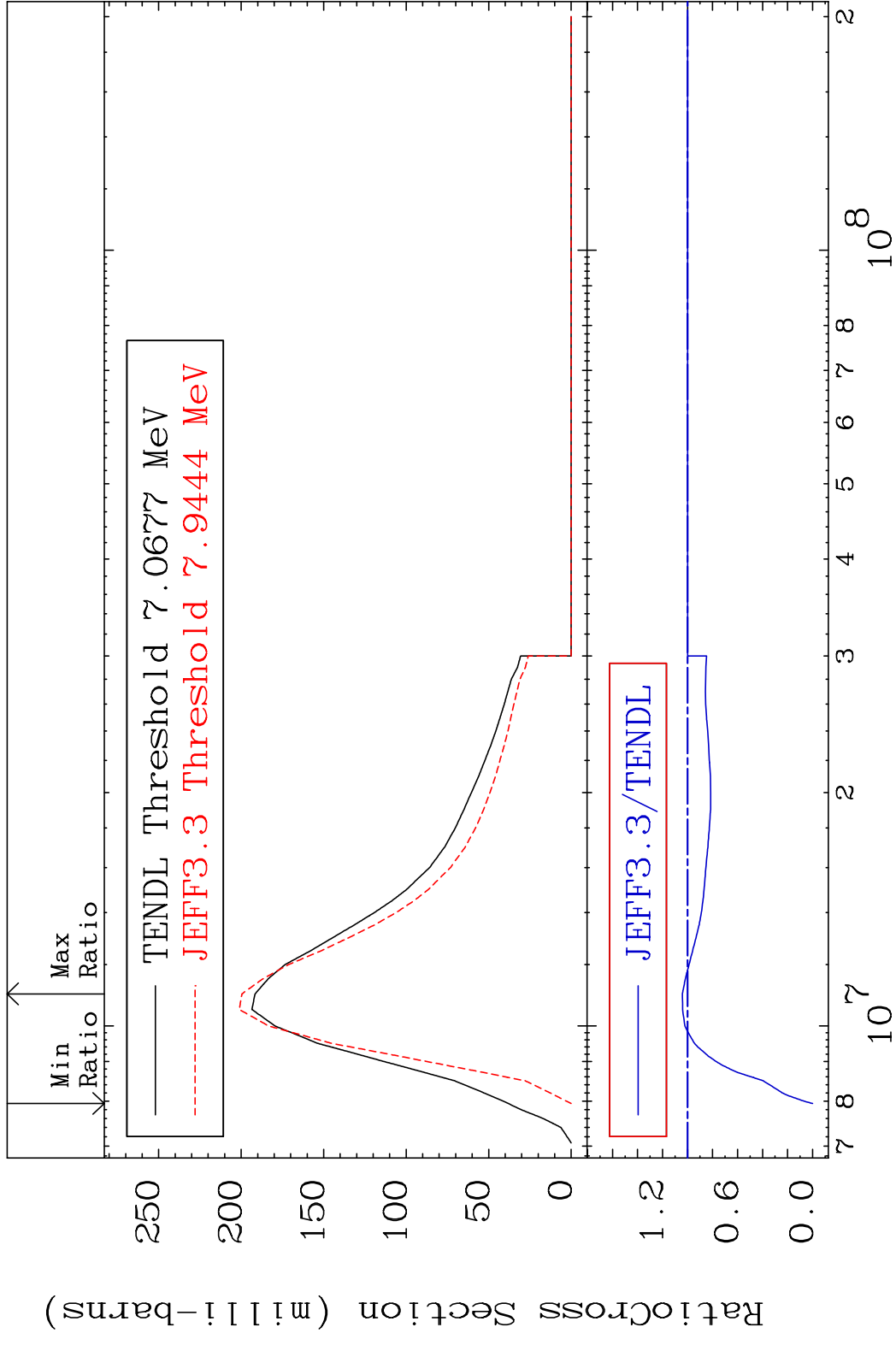
MAT 1625 MT= 65 (n,n') Level 16-S -32
 Cross Section -100.0 To 49.11 %



MAT 1625 MT= 66 (n,n') Level 16-S -32
 Cross Section -15.11 To 59.29 %



MAT 1625 (n,n') Continuum 16-S -32
 Cross Section -100.0 To 4.163 %

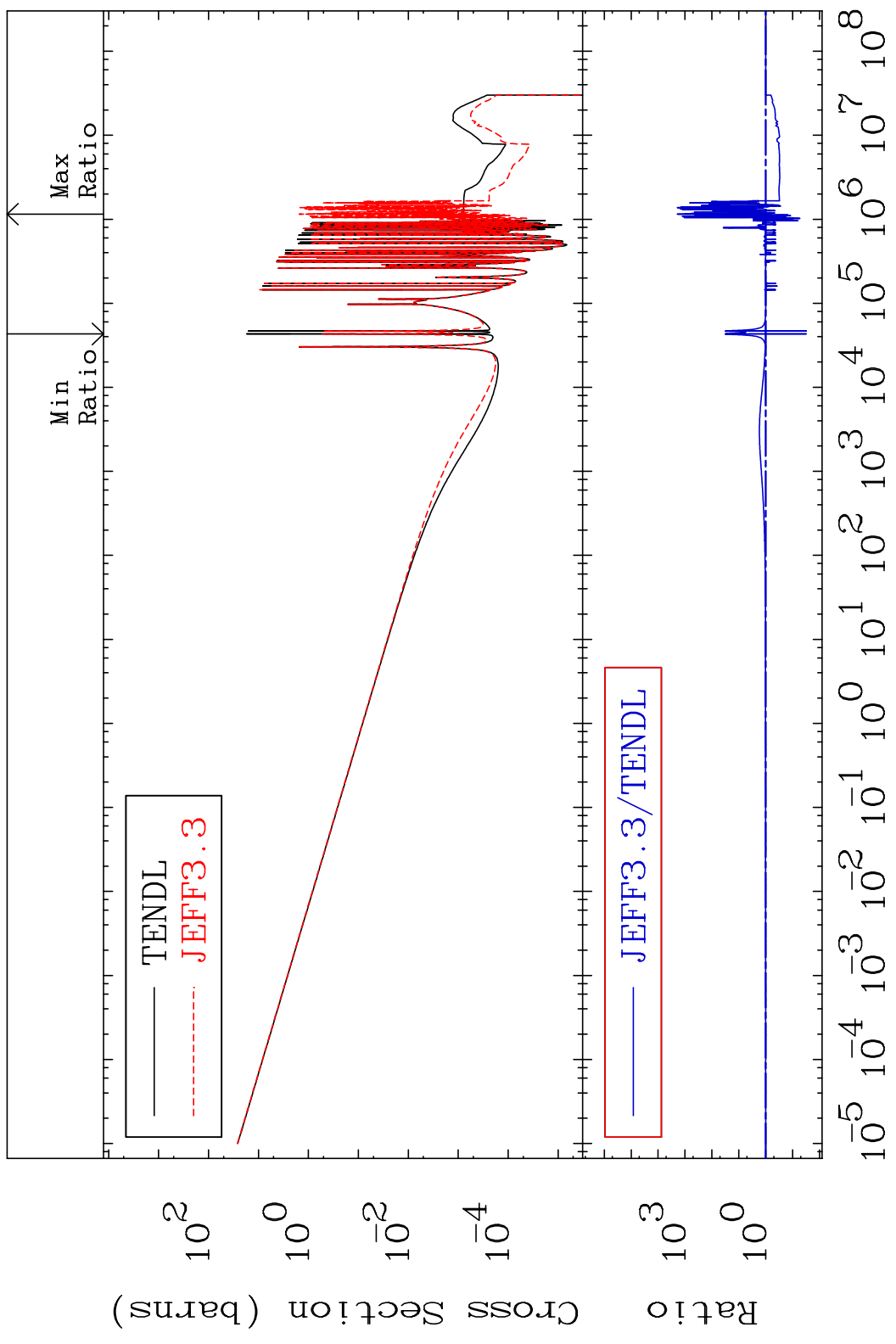


MAT 1625

(n, γ)

16-S -32

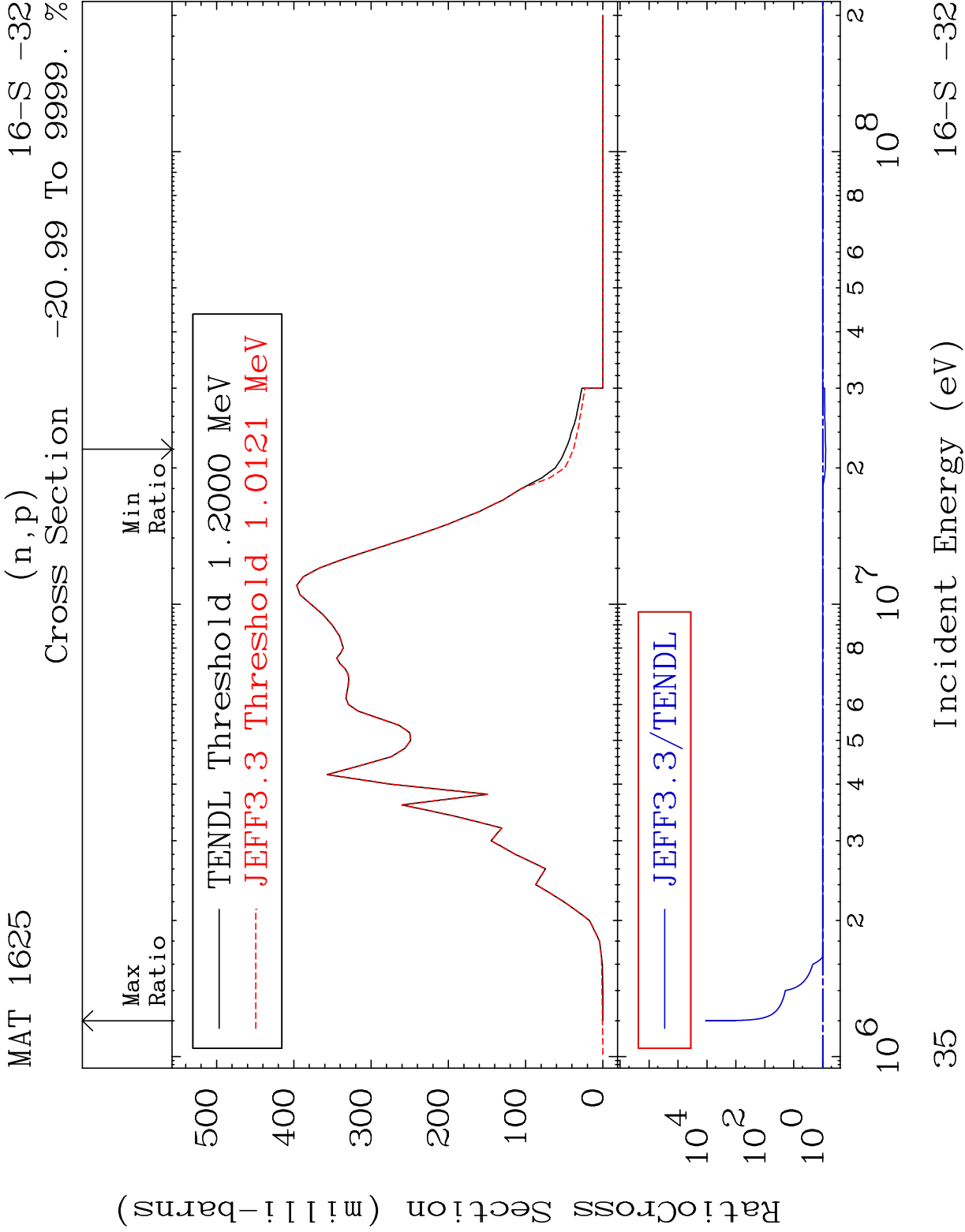
Cross Section -96.92 To 9999. %



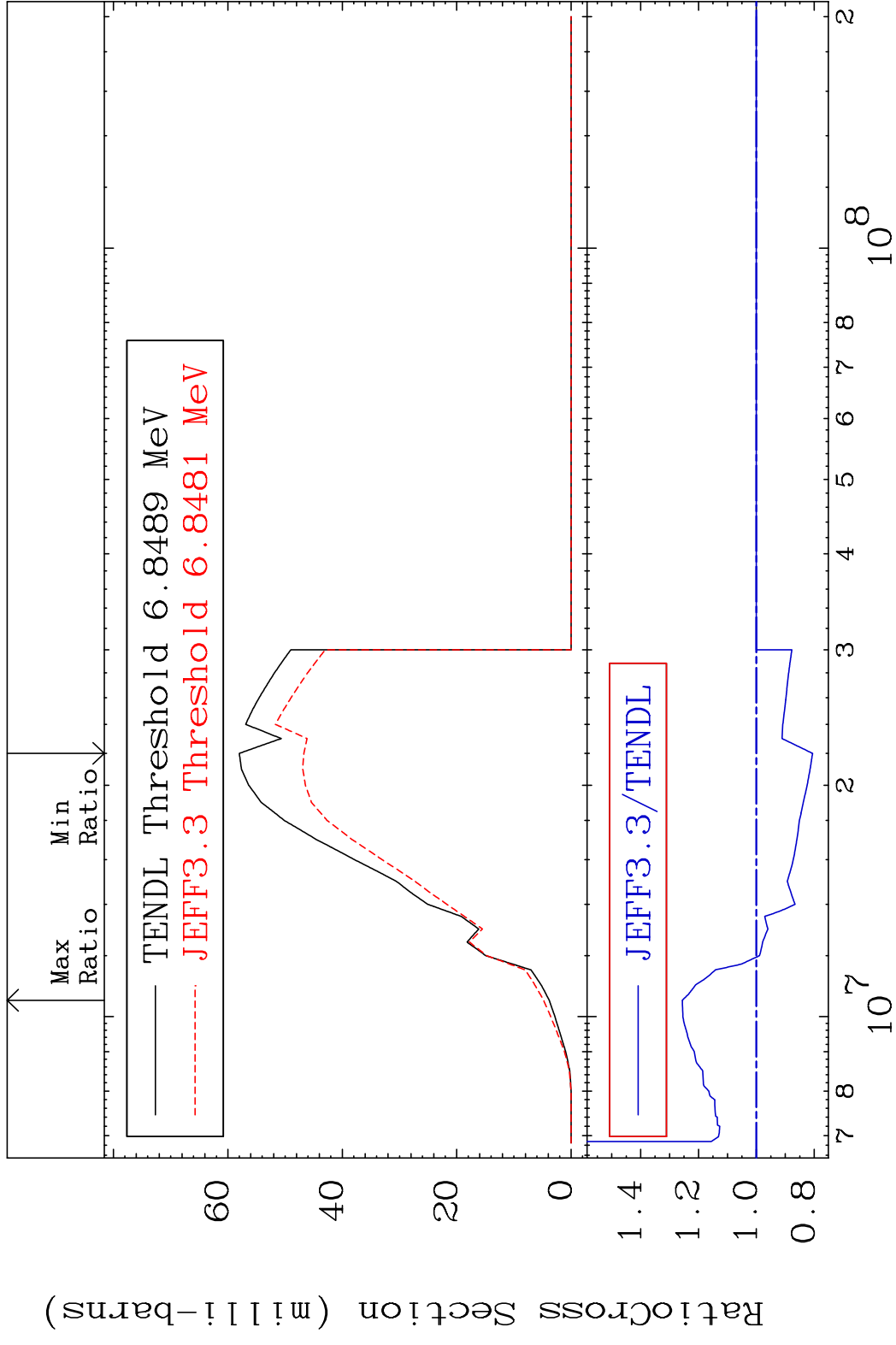
34

Incident Energy (eV)

16-S -32

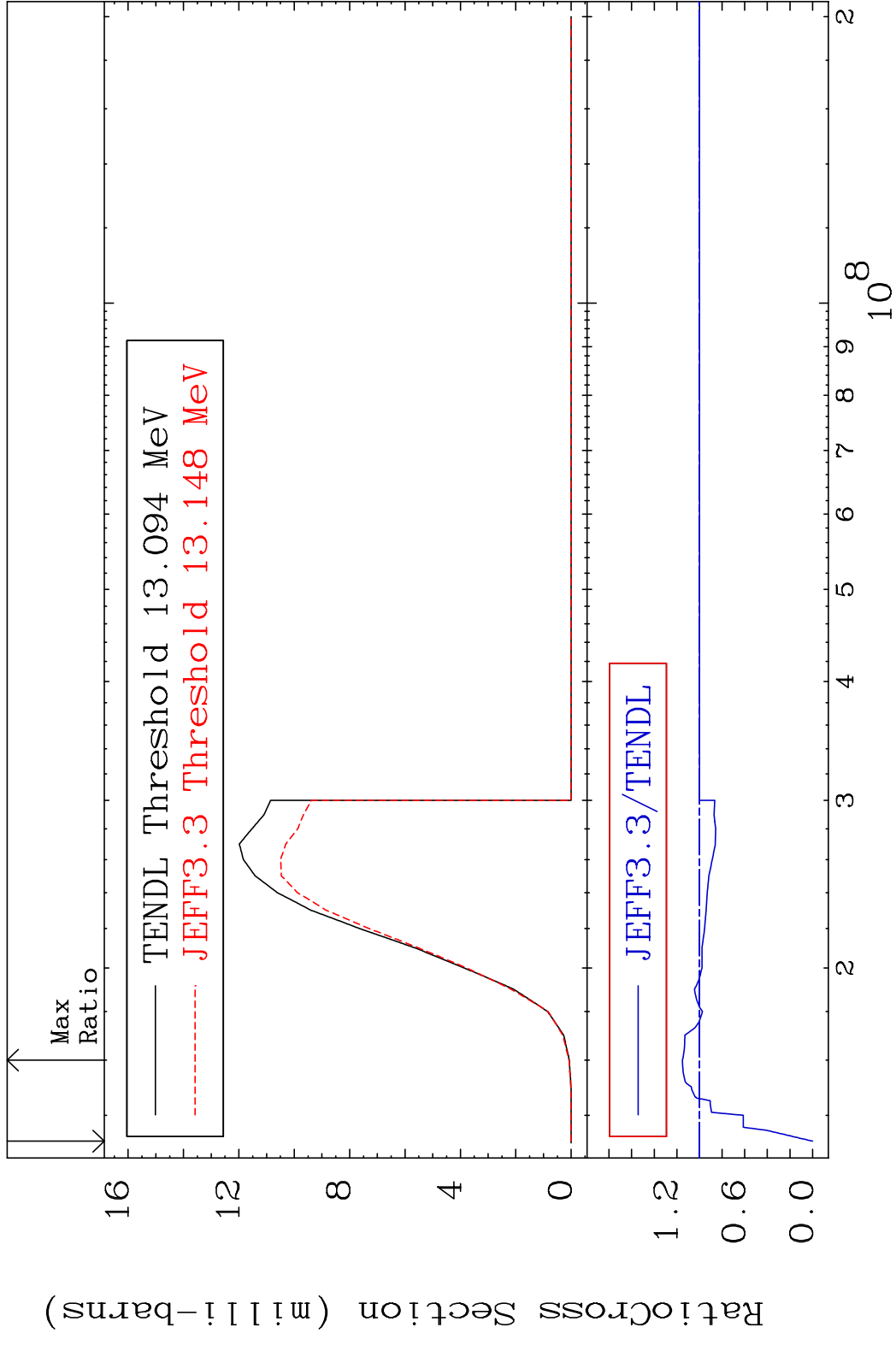


MAT 1625 (n,d) 16-S -32
 Cross Section -19.43 To 25.59 %

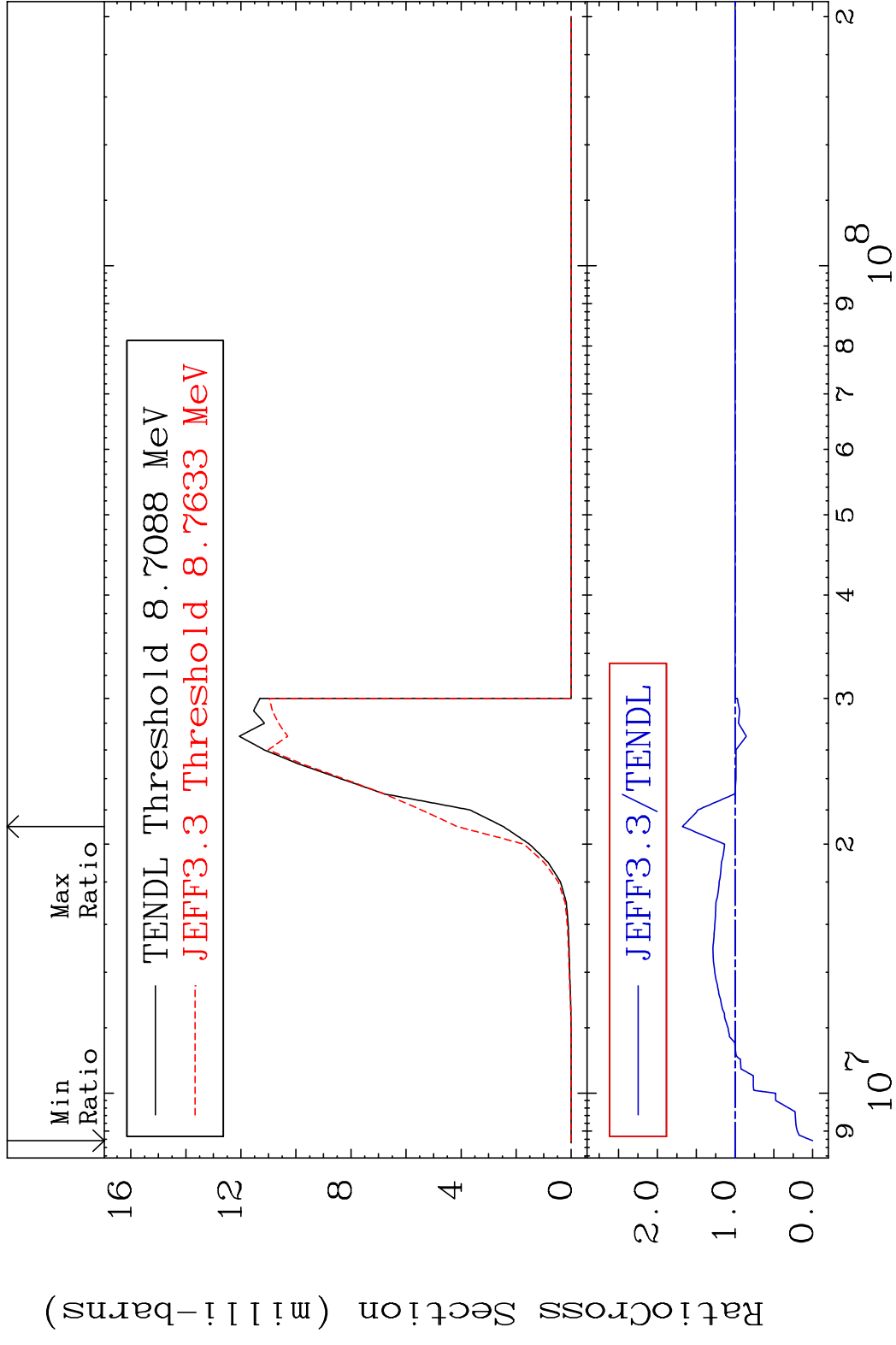


36 Incident Energy (eV) 16-S -32

MAT 1625 (n, t) 16-S -32
 Cross Section -100.0 To 15.15 %



MAT 1625 (n, He-3) 16-S -32
 Cross Section -100.0 To 67.84 %

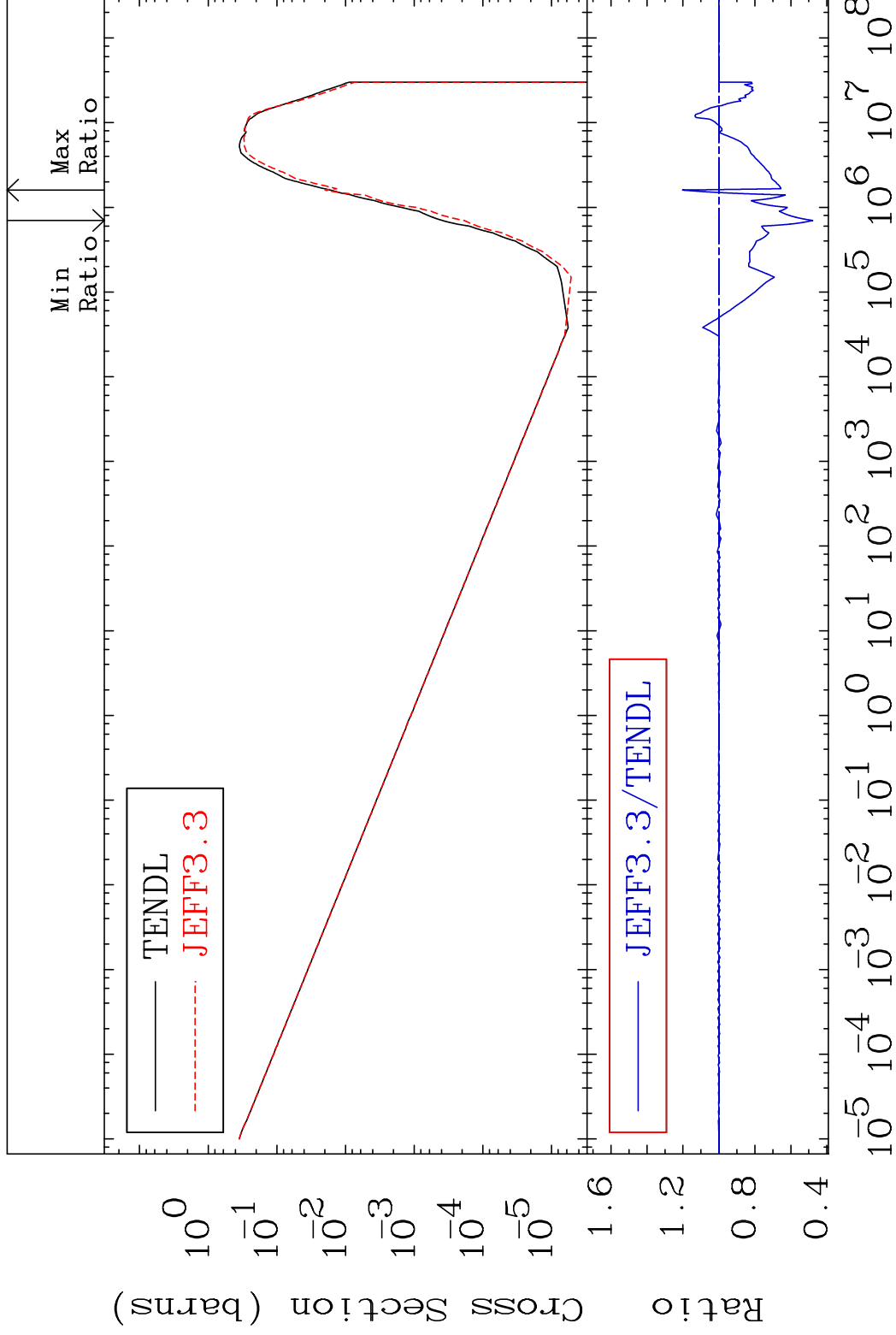


MAT 1625

(n, α)

16-S -32

Cross Section -52.08 To 20.32 %



39

Incident Energy (eV)

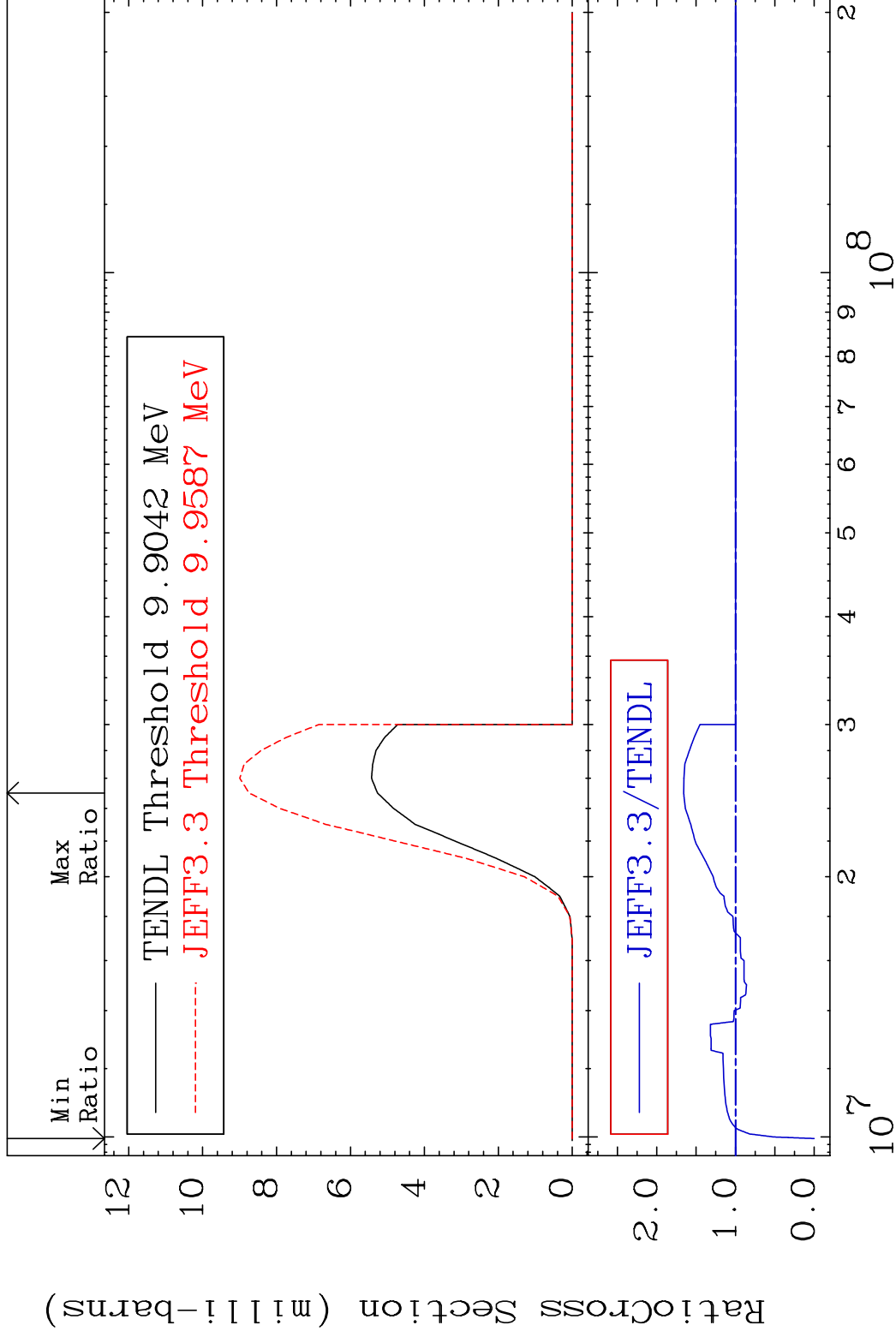
16-S -32

MAT 1625

(n,2α)

16-S -32

Cross Section -100.0 To 65.85 %

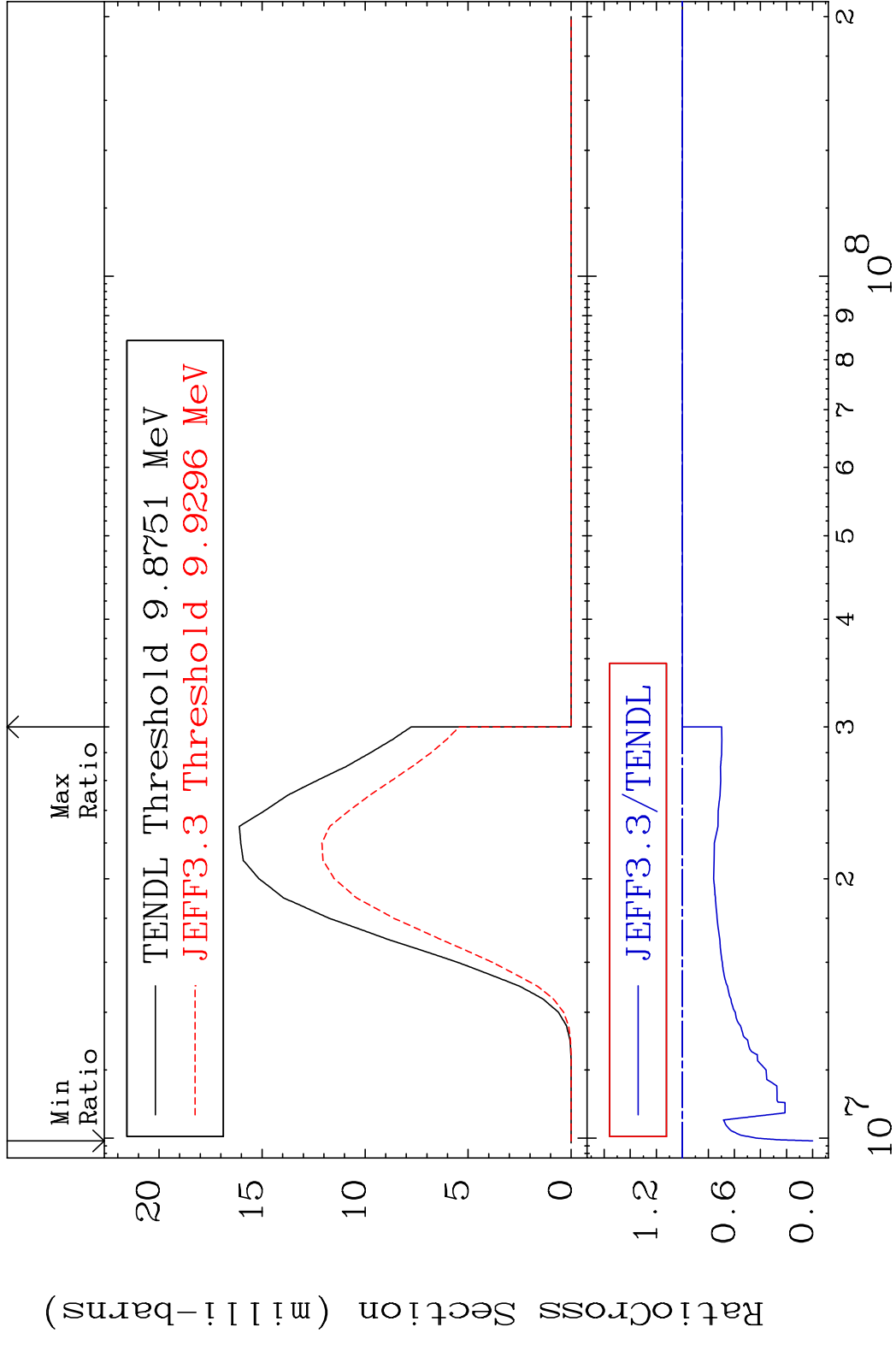


40

Incident Energy (eV)

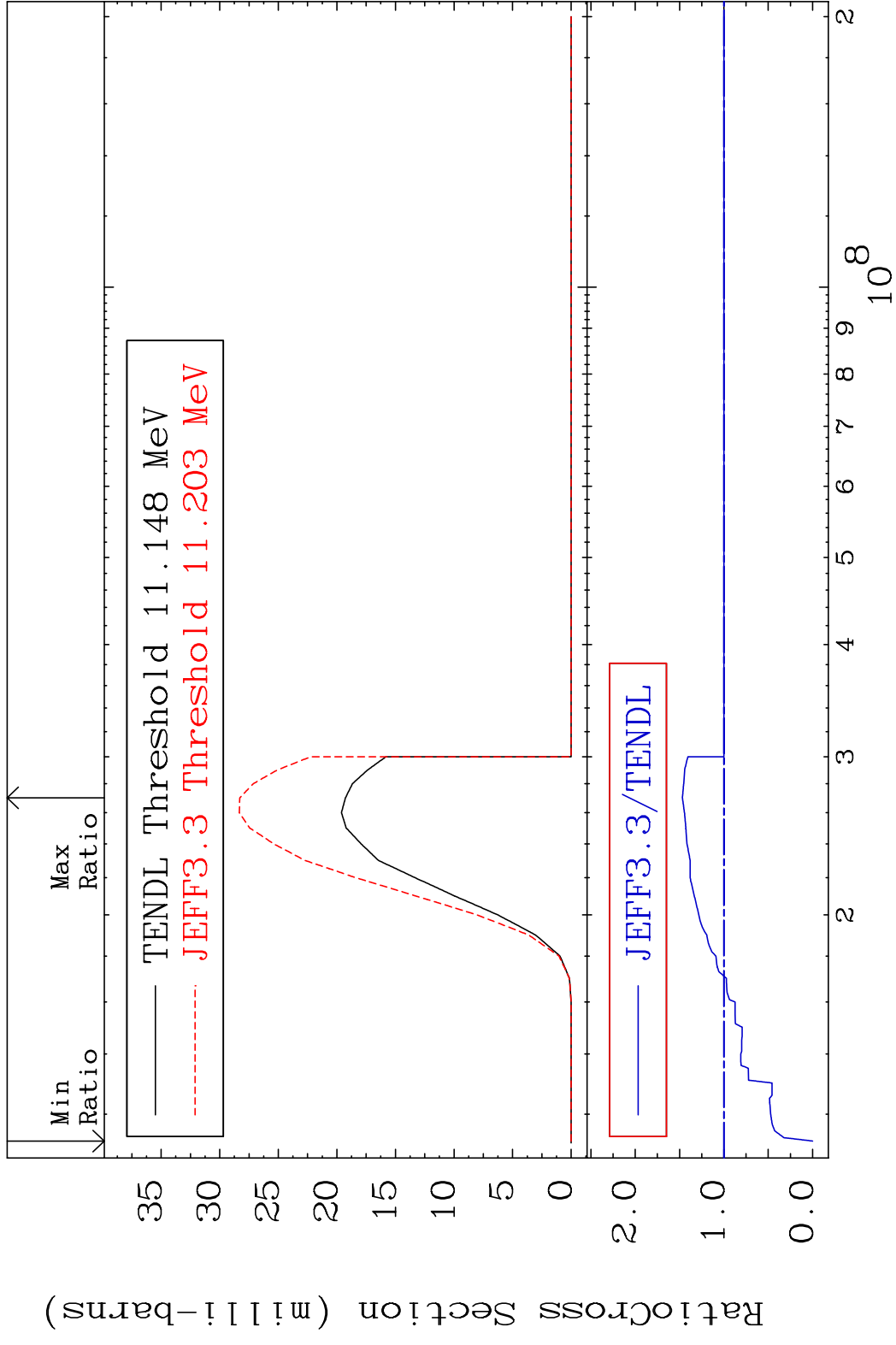
16-S -32

MAT 1625 (n,2p) 16-S -32
 Cross Section -100.0 To 0.000 %



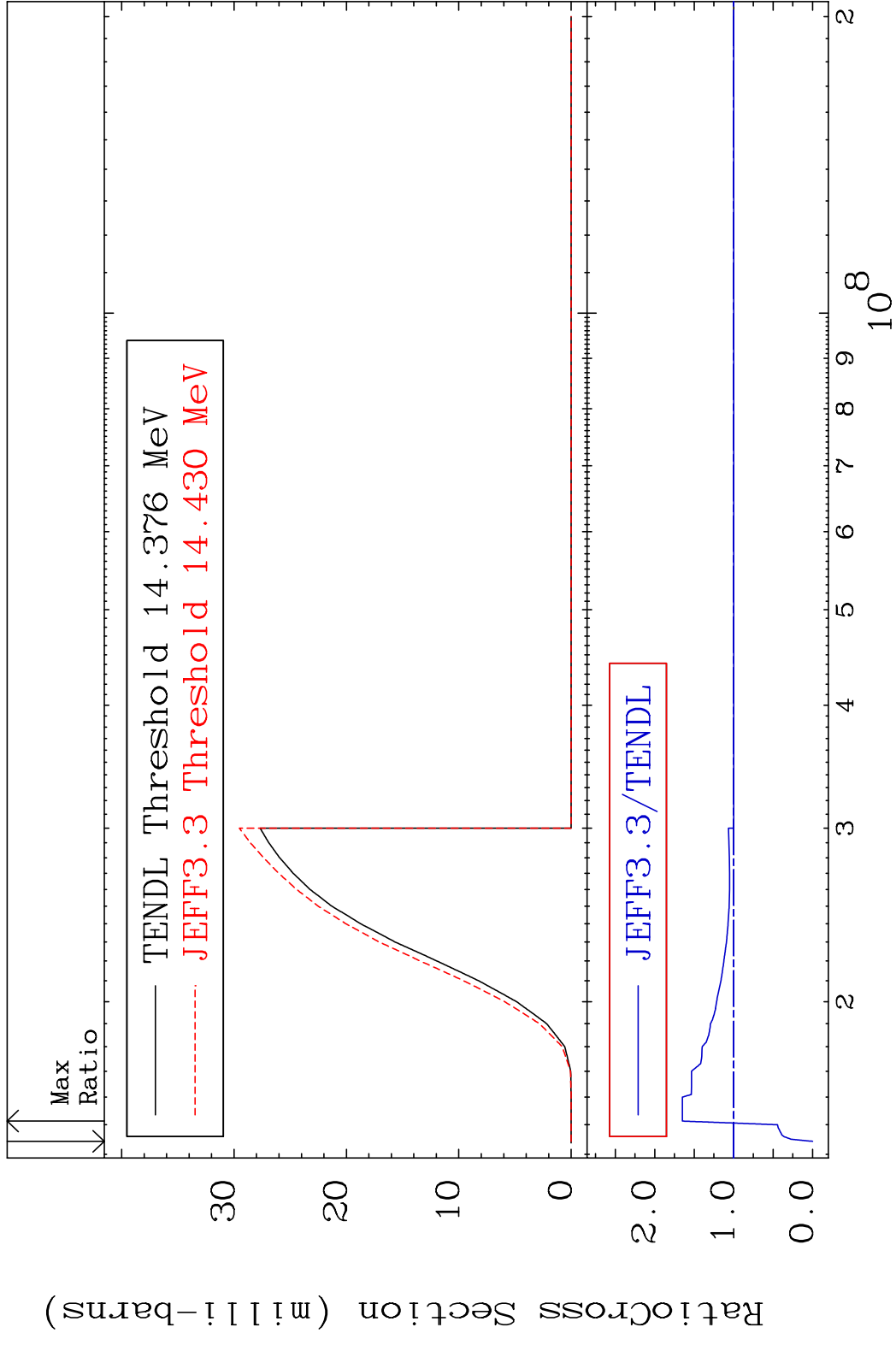
41 Incident Energy (eV) 16-S -32

MAT 1625 (n,p) α 16-S -32
 Cross Section -100.0 To 46.84 %

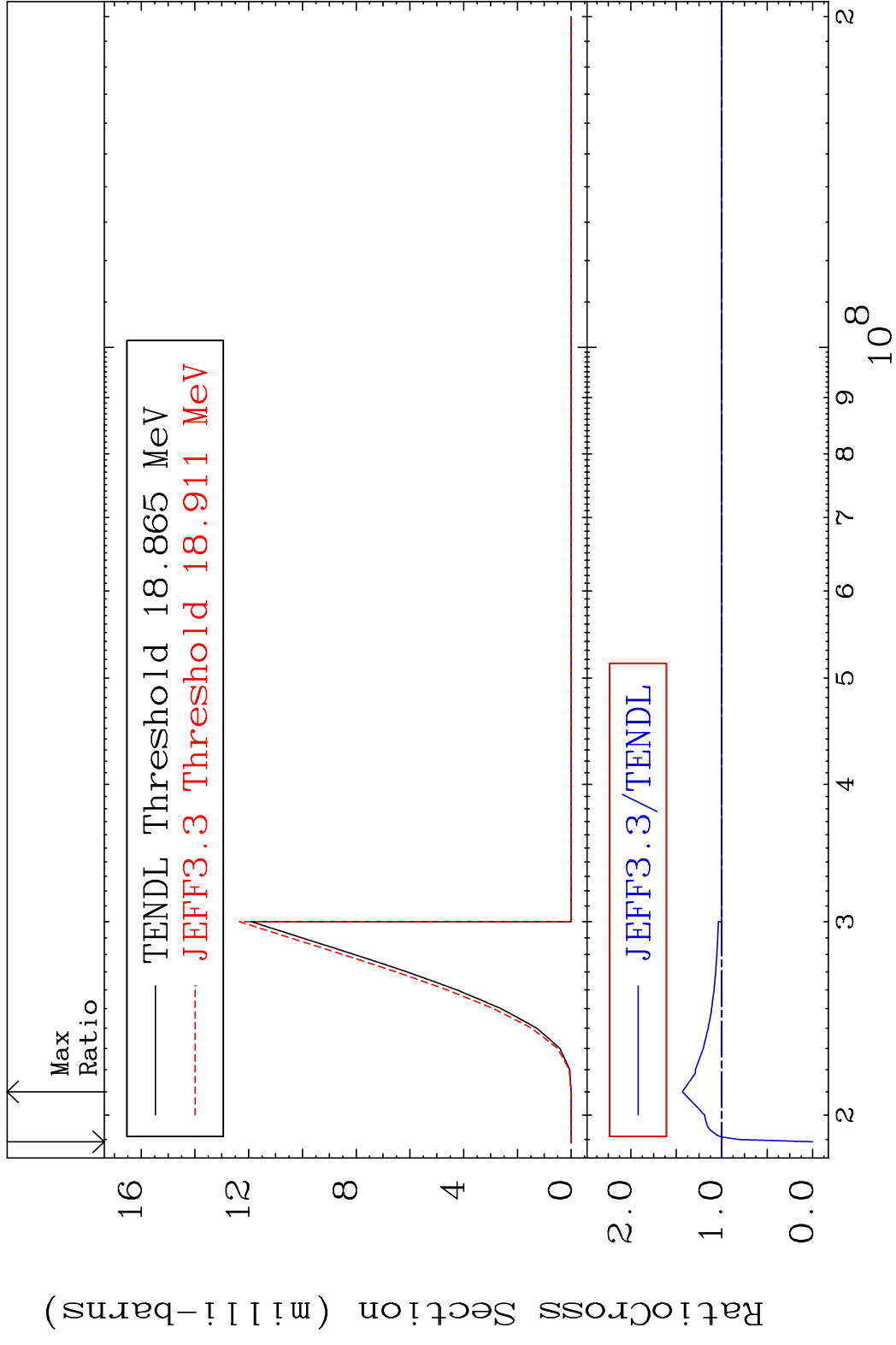


42 Incident Energy (eV) 16-S -32

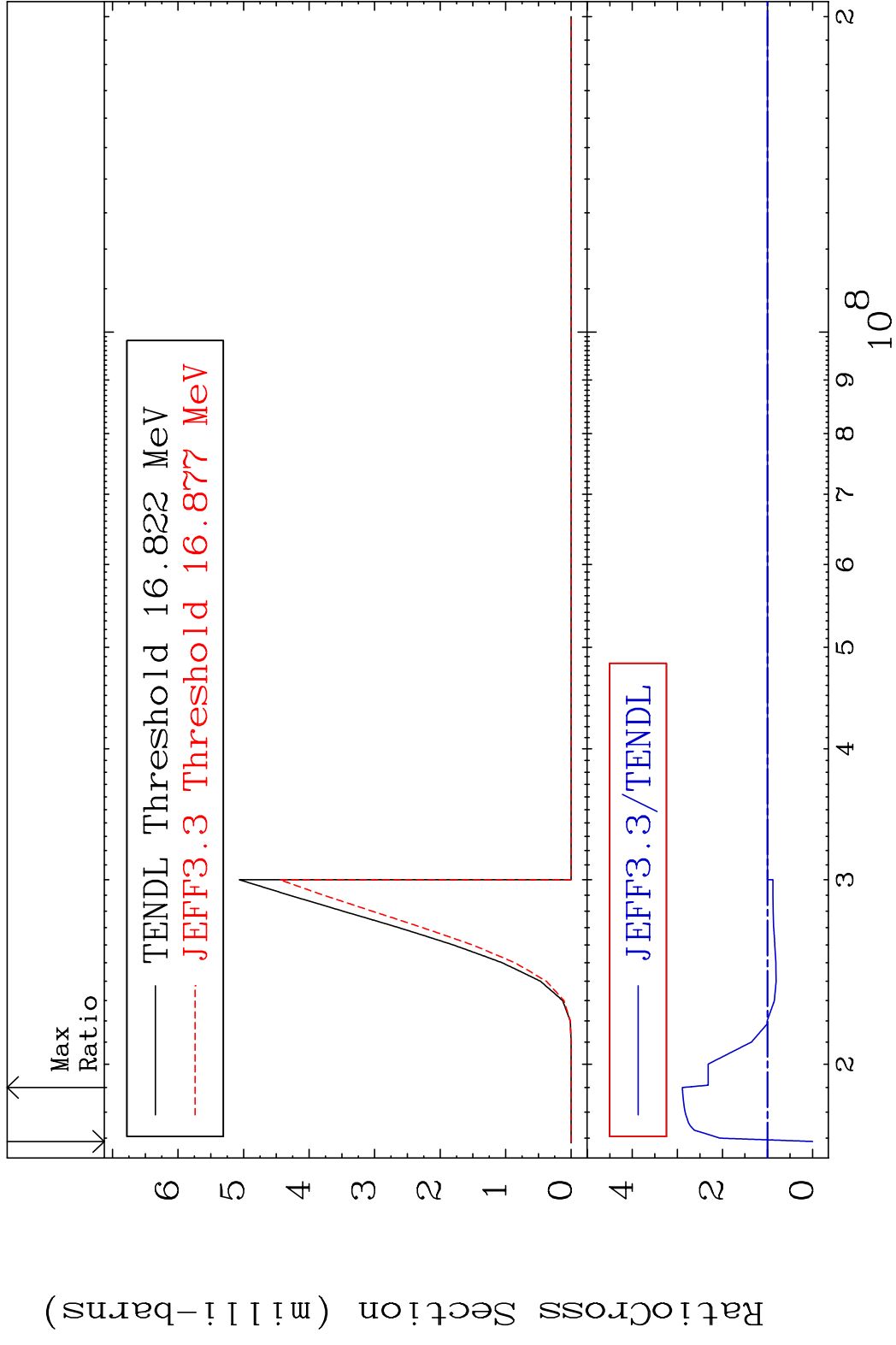
MAT 1625 (n,p) d 16-S -32
 Cross Section -100.0 To 64.97 %



MAT 1625 (n,p) t 16-S -32
 Cross Section -100.0 To 43.35 %



MAT 1625 (n,d) α 16-S -32
 Cross Section -100.0 To 189.0 %

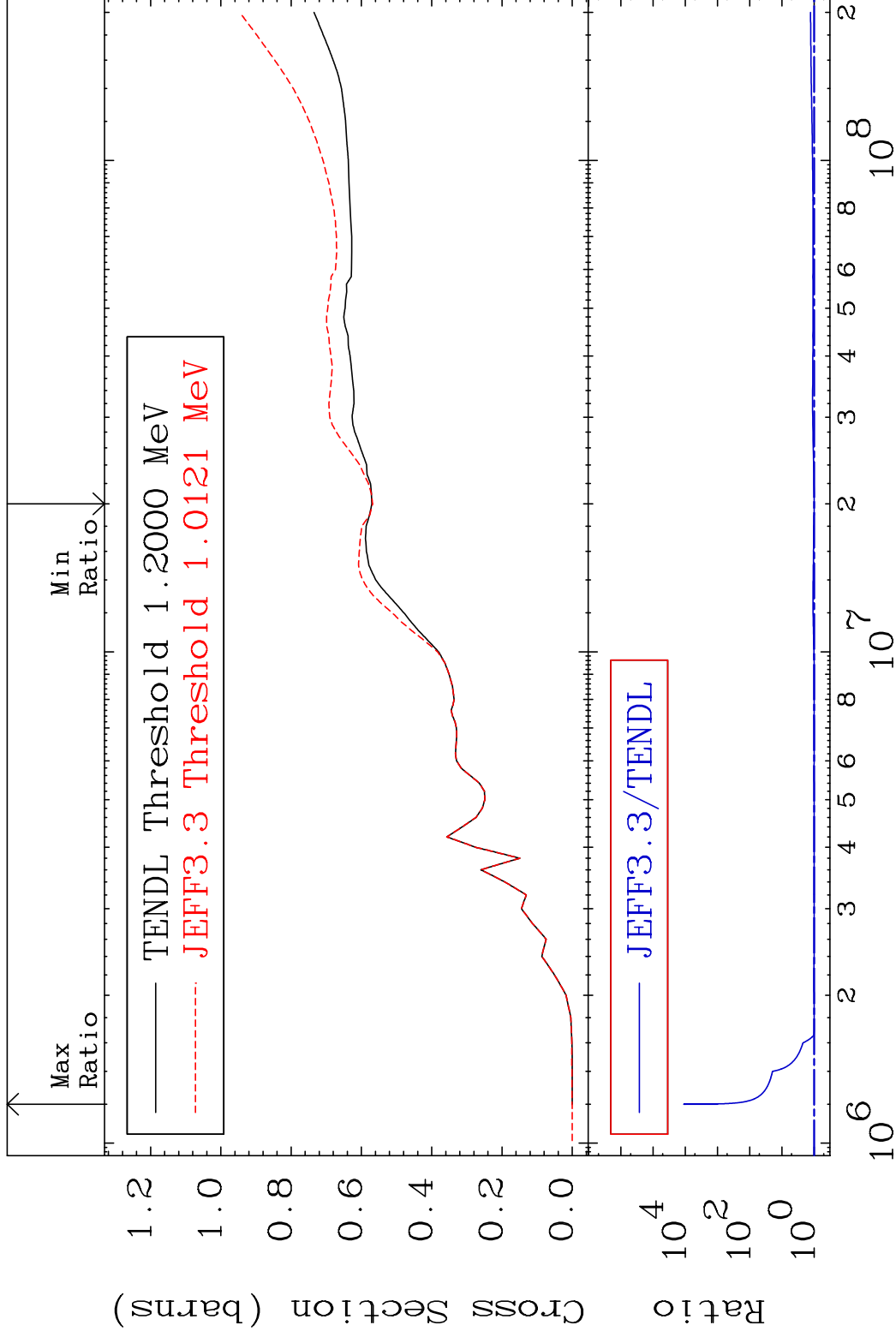


MAT 1625

Hydrogen Production

16-S -32

Cross Section -0.421 To 9999. %

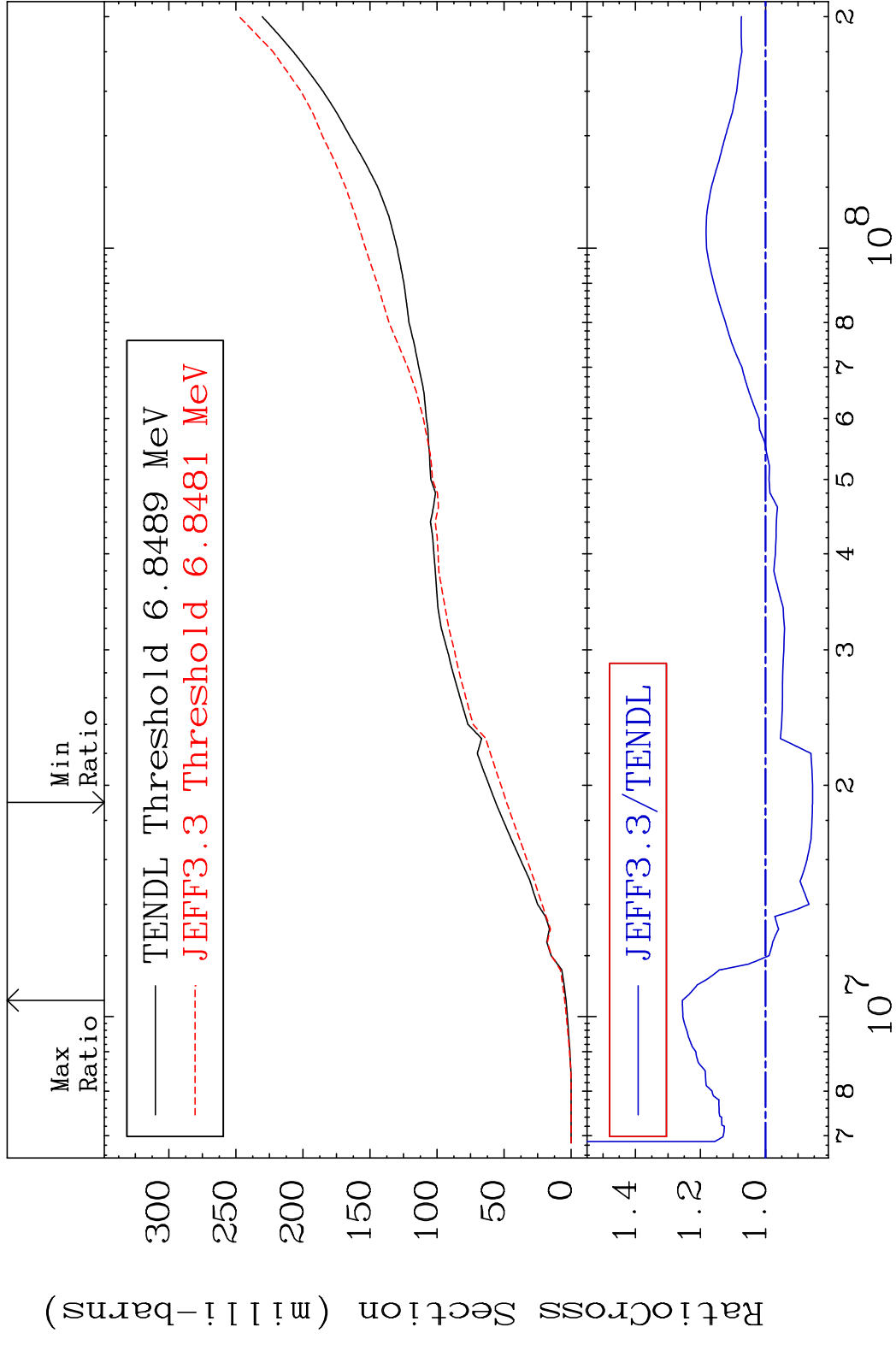


46

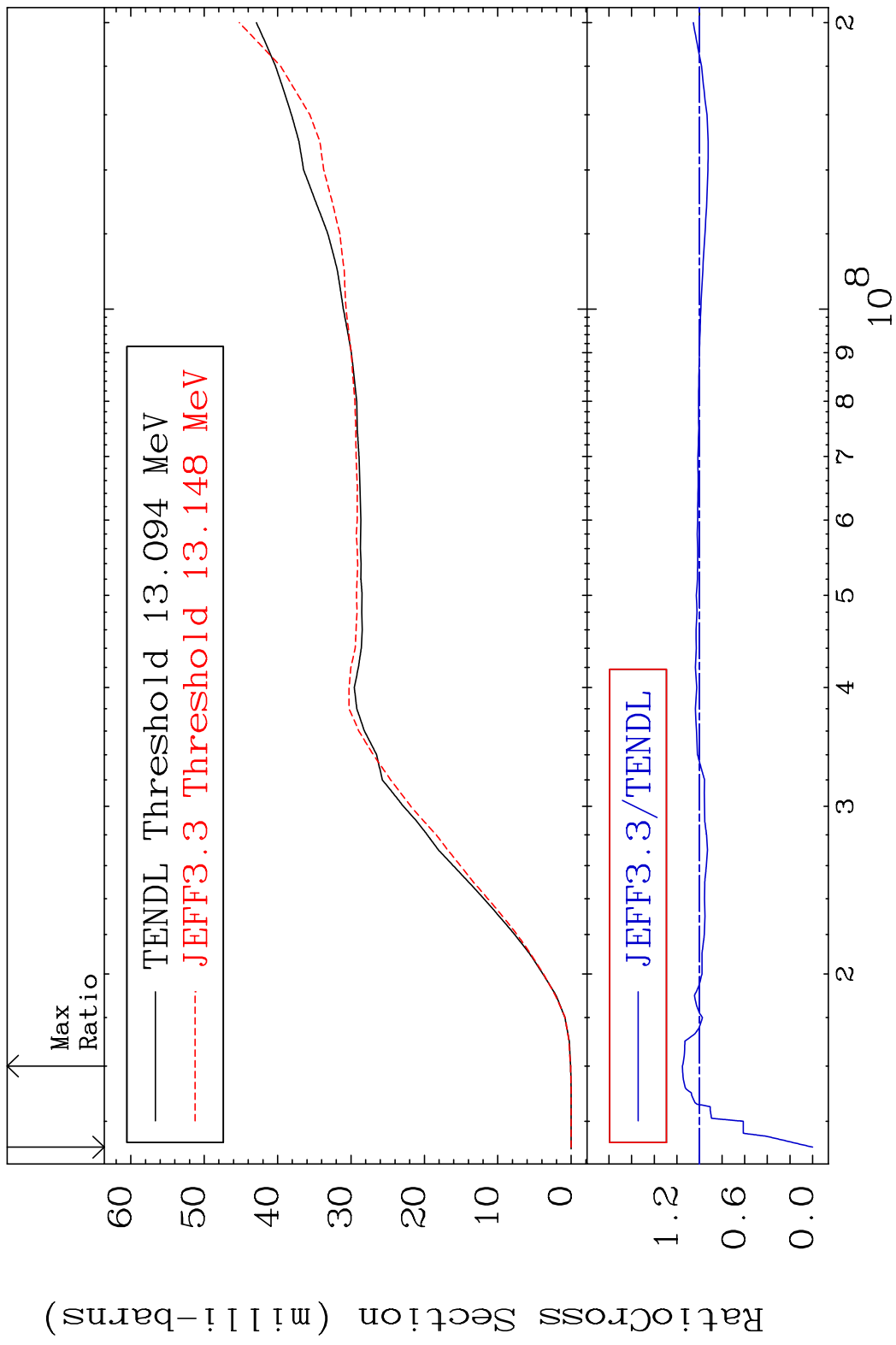
Incident Energy (eV)

16-S -32

Cross Section -14.46 To 25.59 %



MAT 1625 Tritium Production 16-S -32
 Cross Section -100.0 To 15.15 %

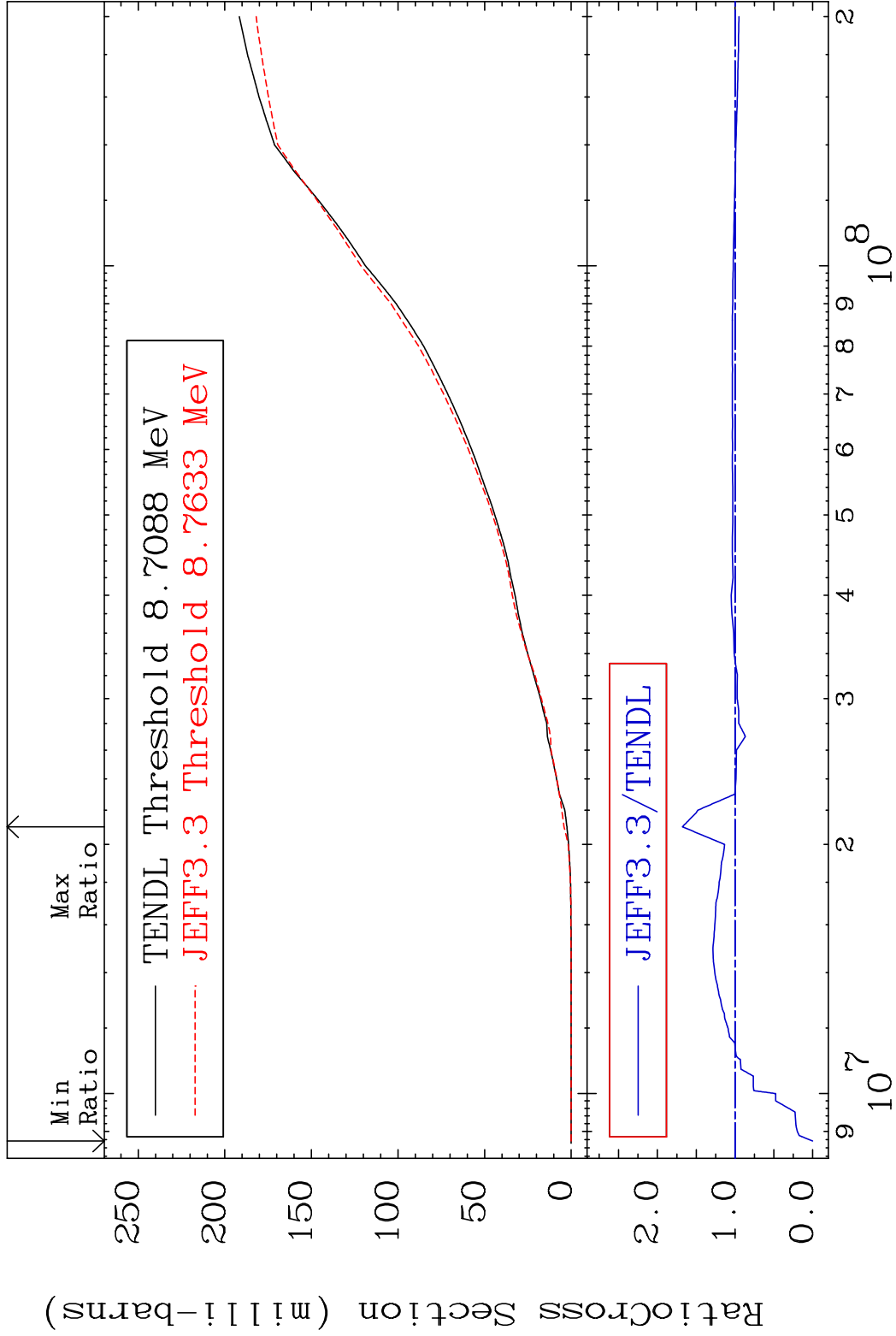


MAT 1625

He-3 Production

16-S -32

Cross Section -100.0 To 67.84 %



49

Incident Energy (eV)

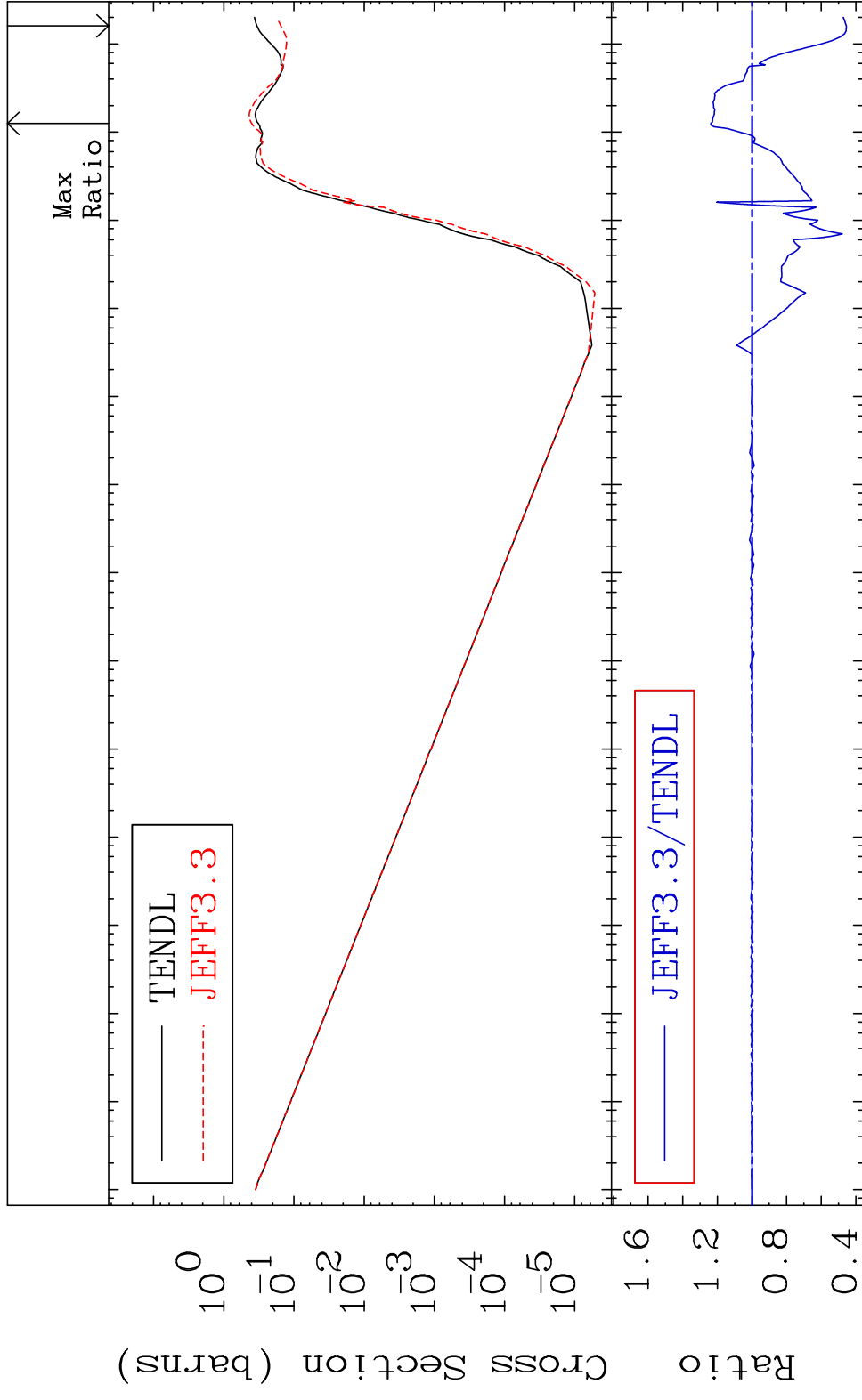
16-S -32

MAT 1625

He-4 Production

16-S -32

Cross Section -54.50 To 23.84 %

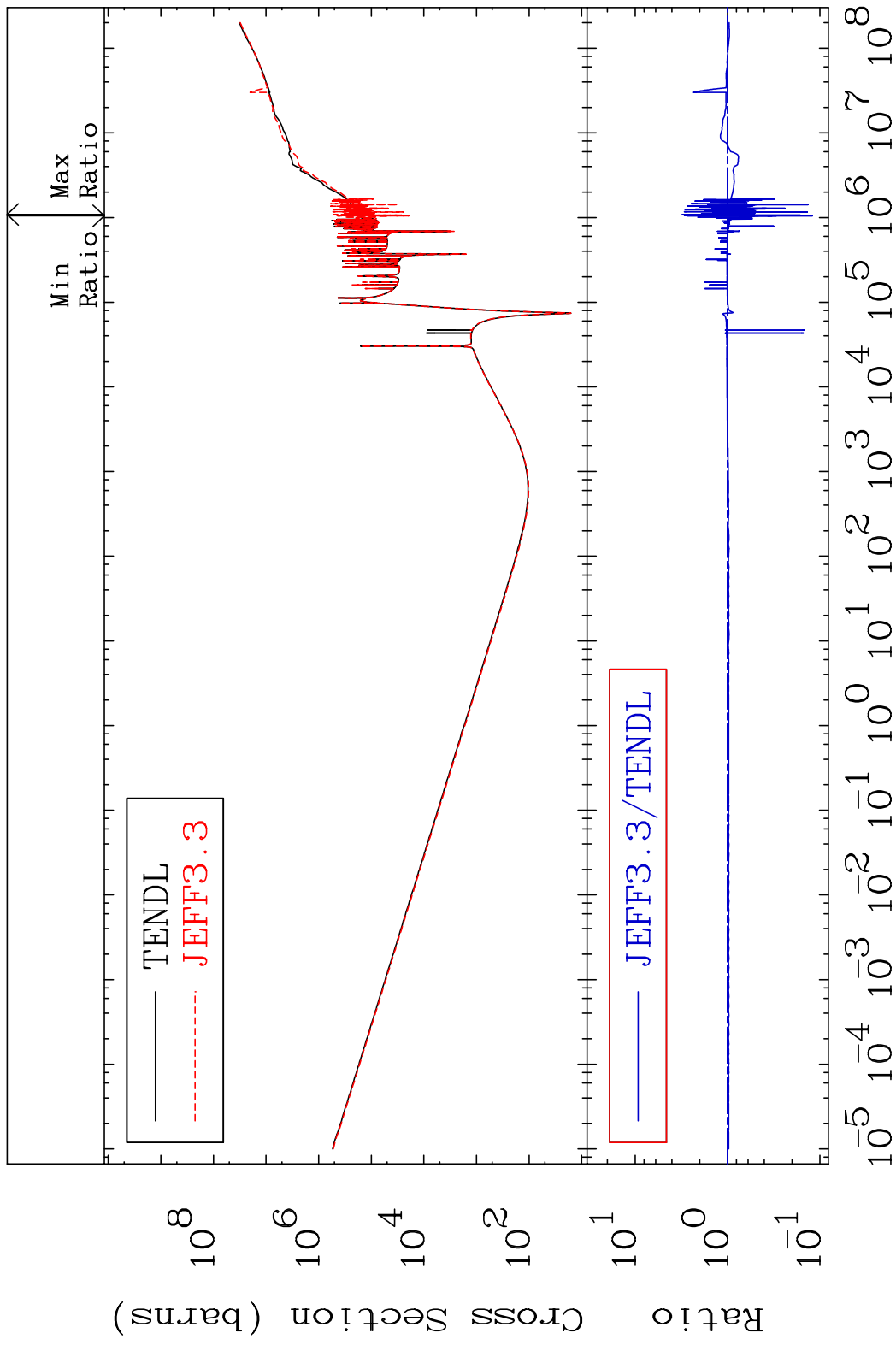


50

Incident Energy (eV)

16-S -32

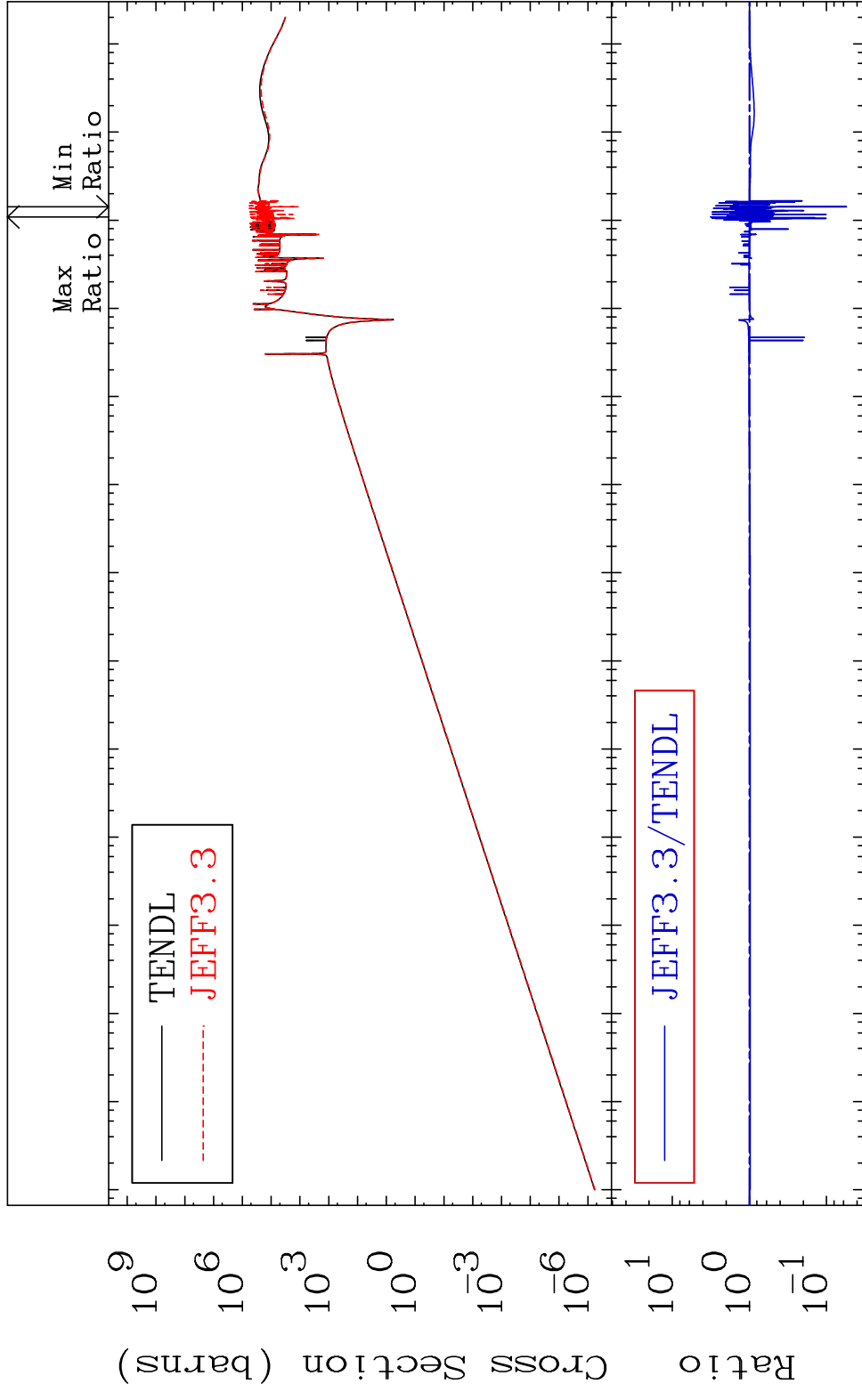
MAT 1625 Kerma total (eV-barns) 16-S -32
 Cross Section -88.01 To 208.1 %



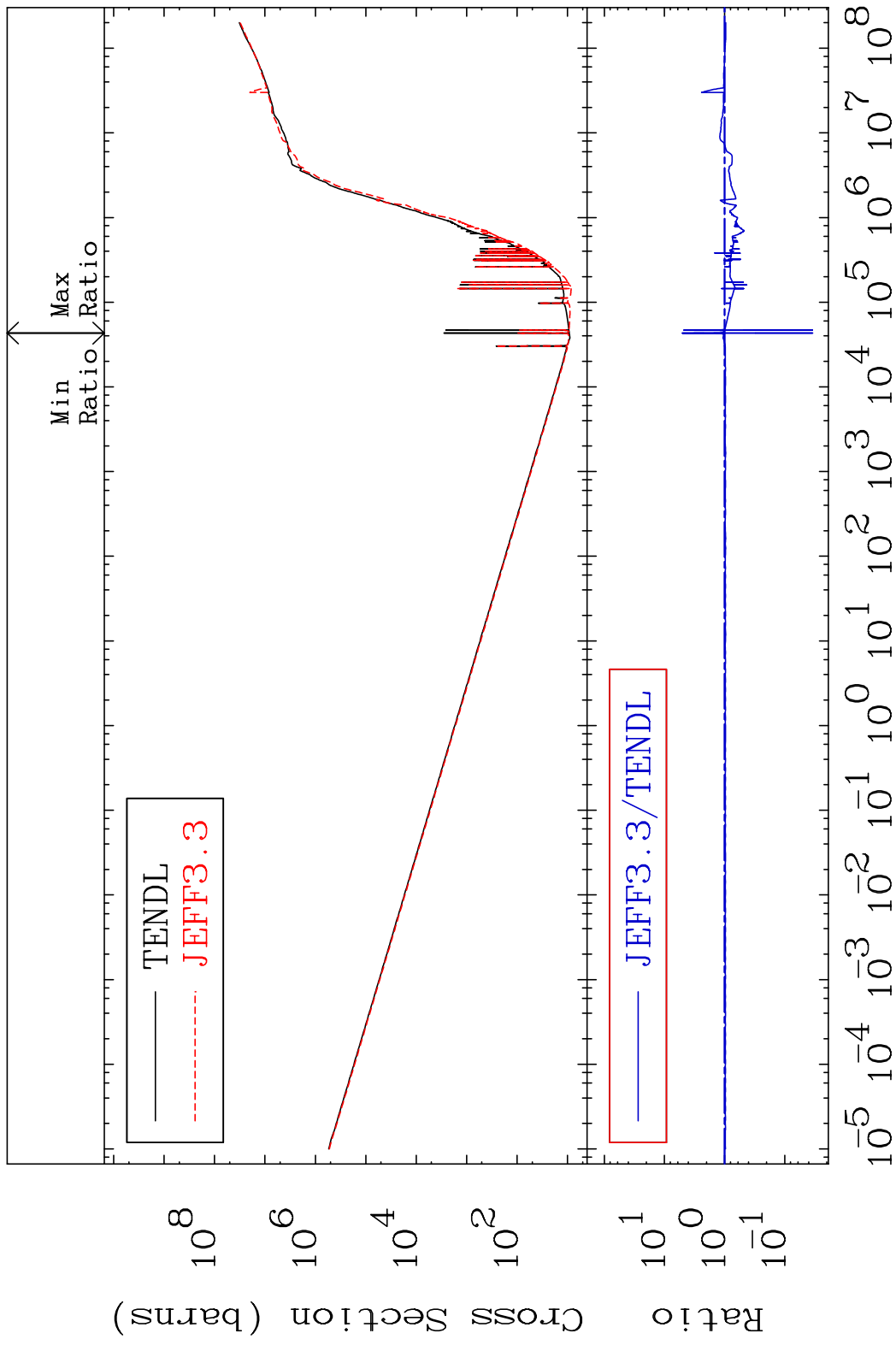
MAT 1625

Kerma elastic
Cross Section

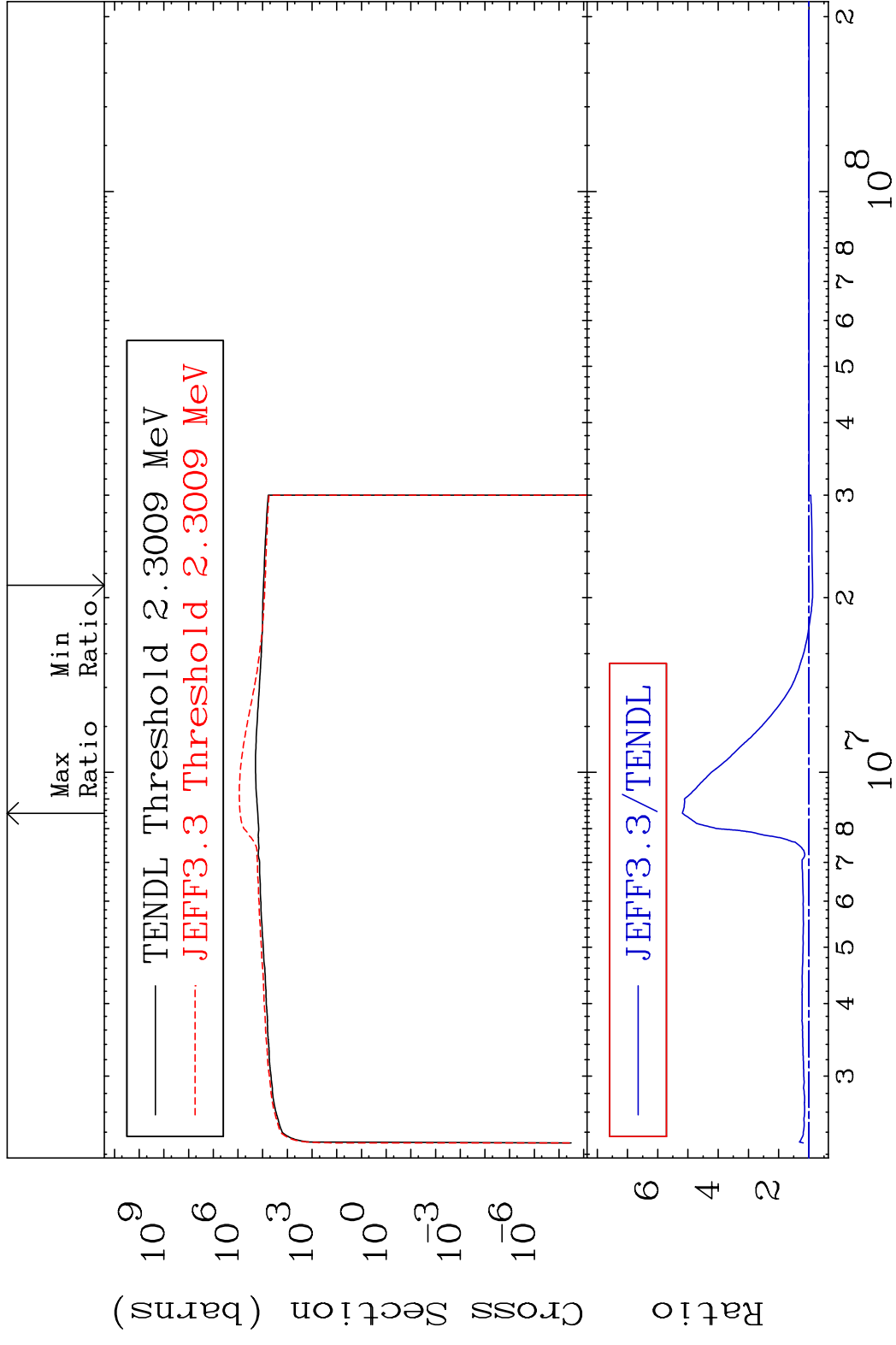
16-S -32
-94.47 To 217.4 %



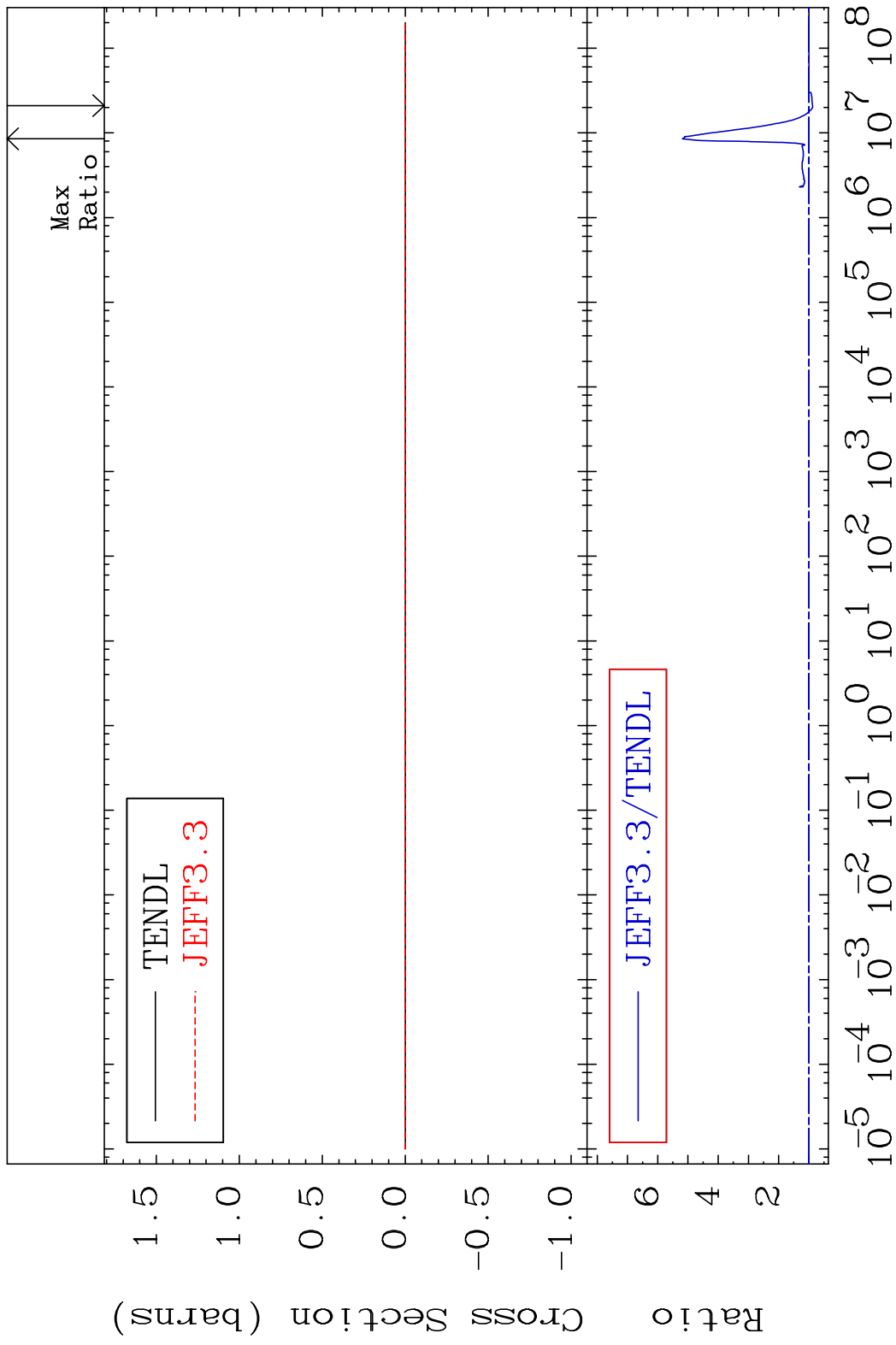
MAT 1625 Kerma non-elastic (all but mt2) 16-S -32
 Cross Section -96.55 To 404.2 %



MAT 1625 Kerma inelastic (mt51-91) 16-S -32
 Cross Section -12.25 To 418.6 %

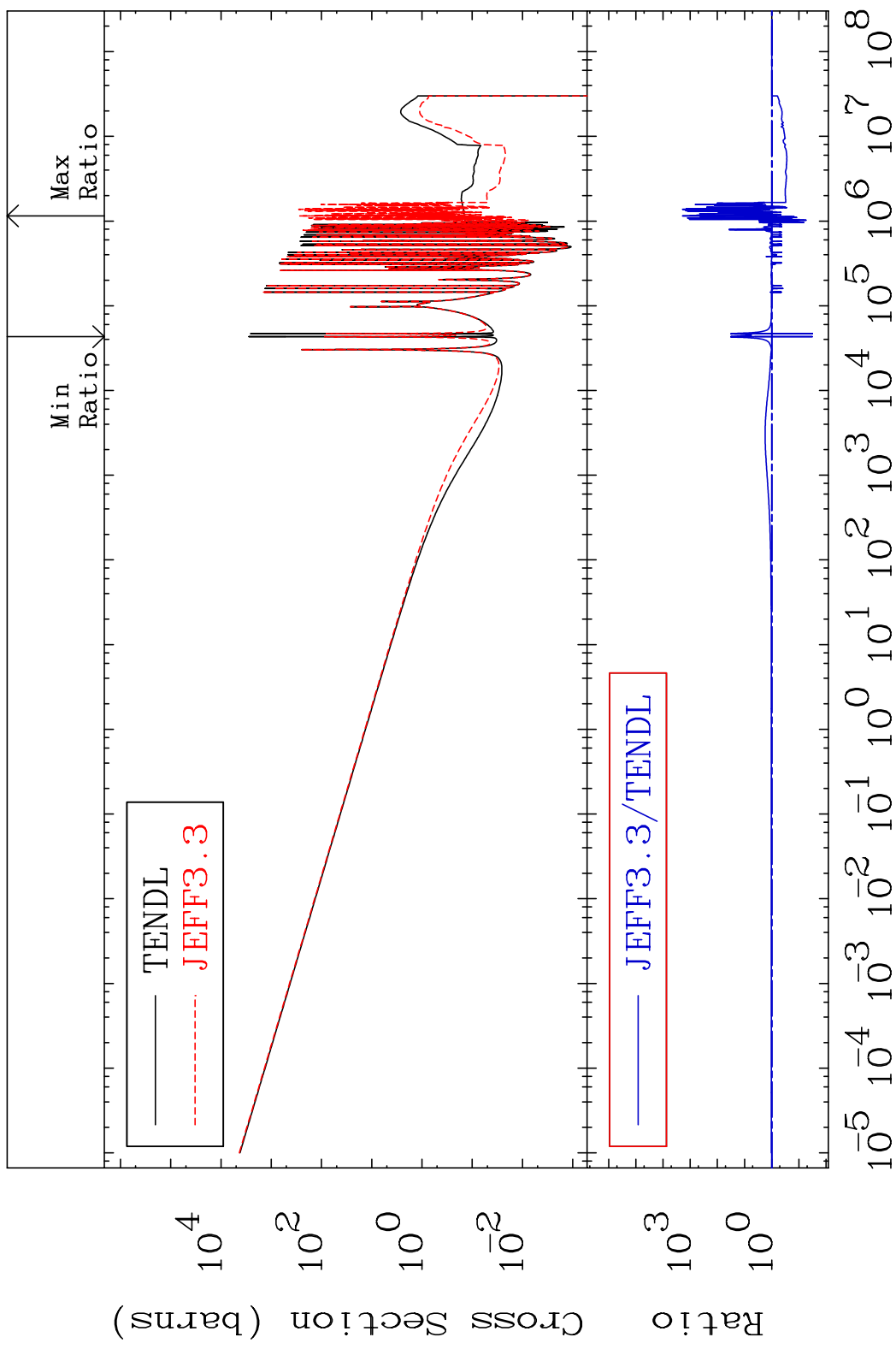


MAT 1625 Kerma fission (mt18 or mt19-20-21-38) 16-S -32
 Cross Section -12.25 To 418.6 %



MAT 1625

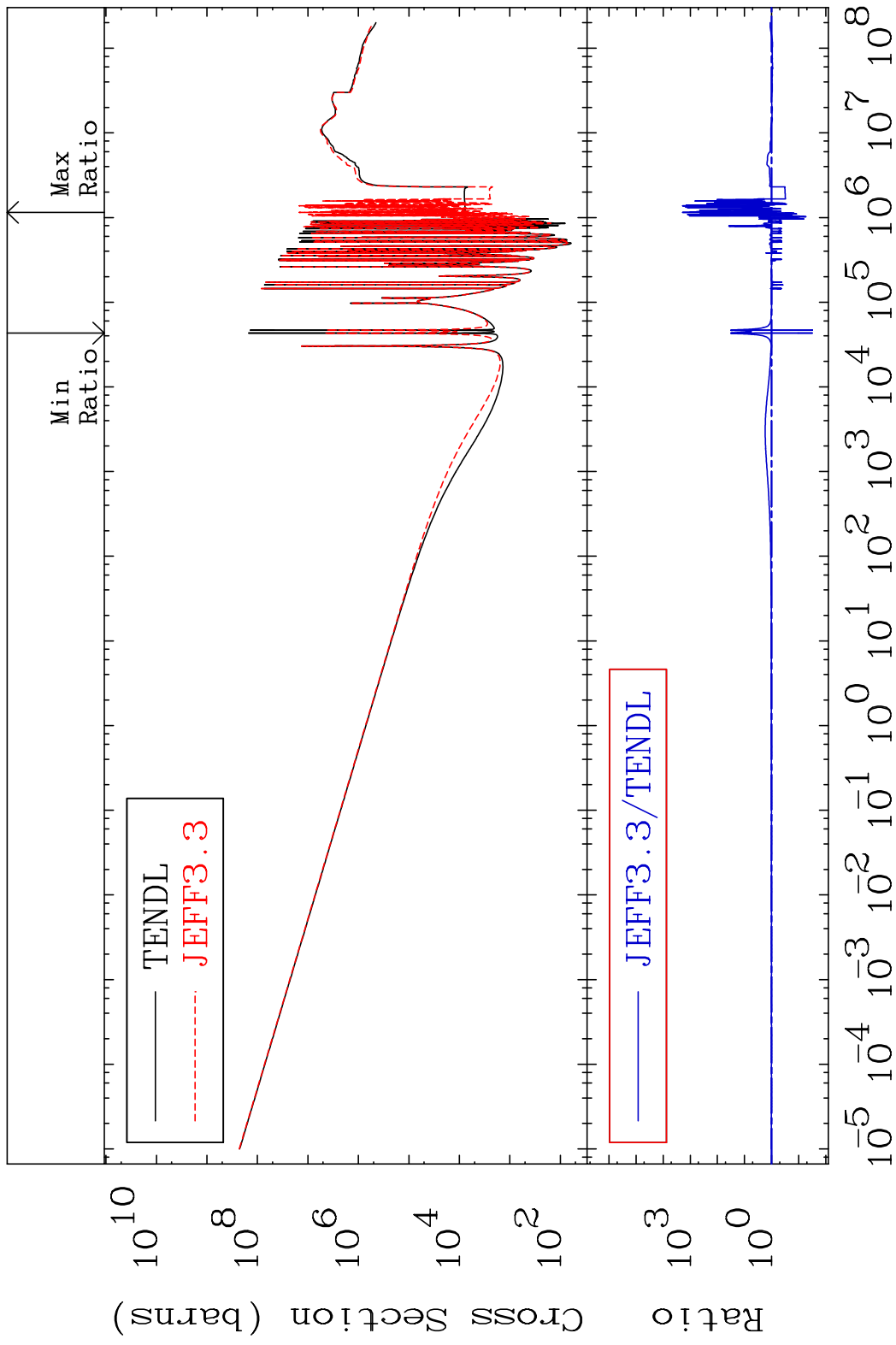
Kerma capture (mt102) 16-S -32
Cross Section -96.87 To 9999. %



56

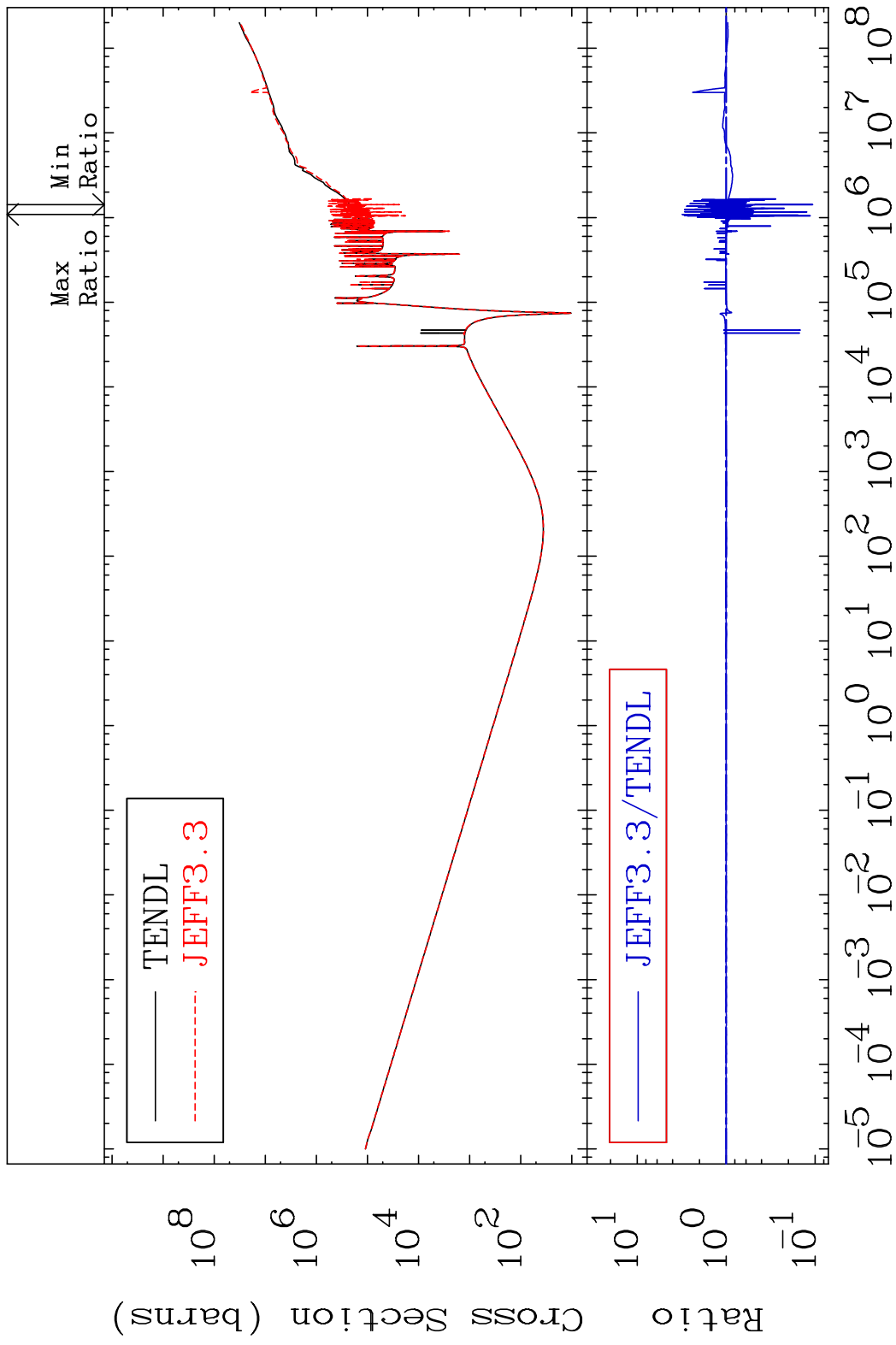
Incident Energy (eV) 16-S -32

MAT 1625 Total photon (eV-barns) 16-S -32
 Cross Section -96.91 To 9999. %



57 Incident Energy (eV) 16-S -32

MAT 1625 Total kinematic kerma (high limit) 16-S -32
 Cross Section -89.32 To 211.2 %

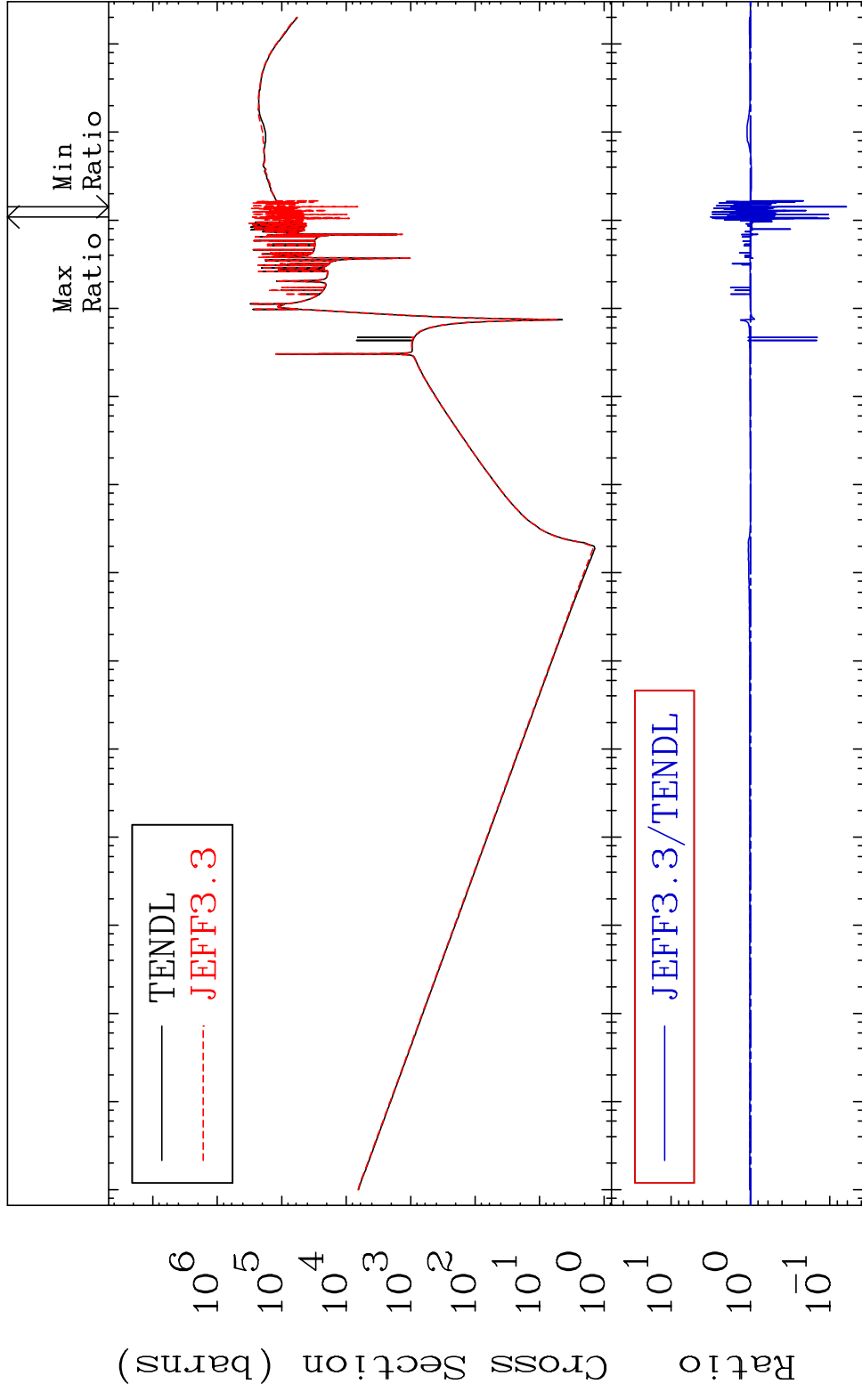


MAT 1625

Dpa total (eV-barns)

16-S -32

Cross Section -93.82 To 216.7 %

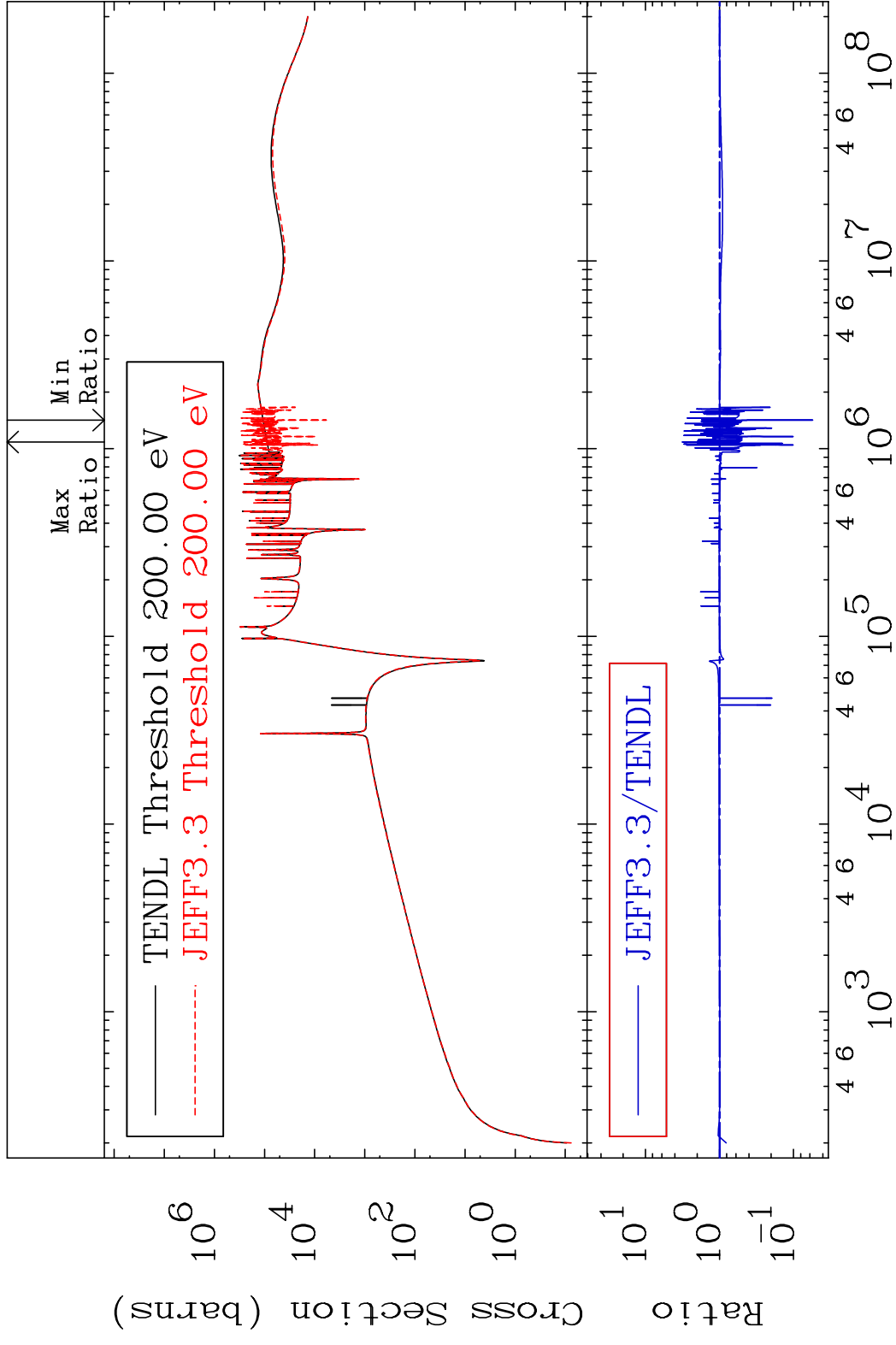


MAT 1625

Dpa elastic (mt2)

16-S -32

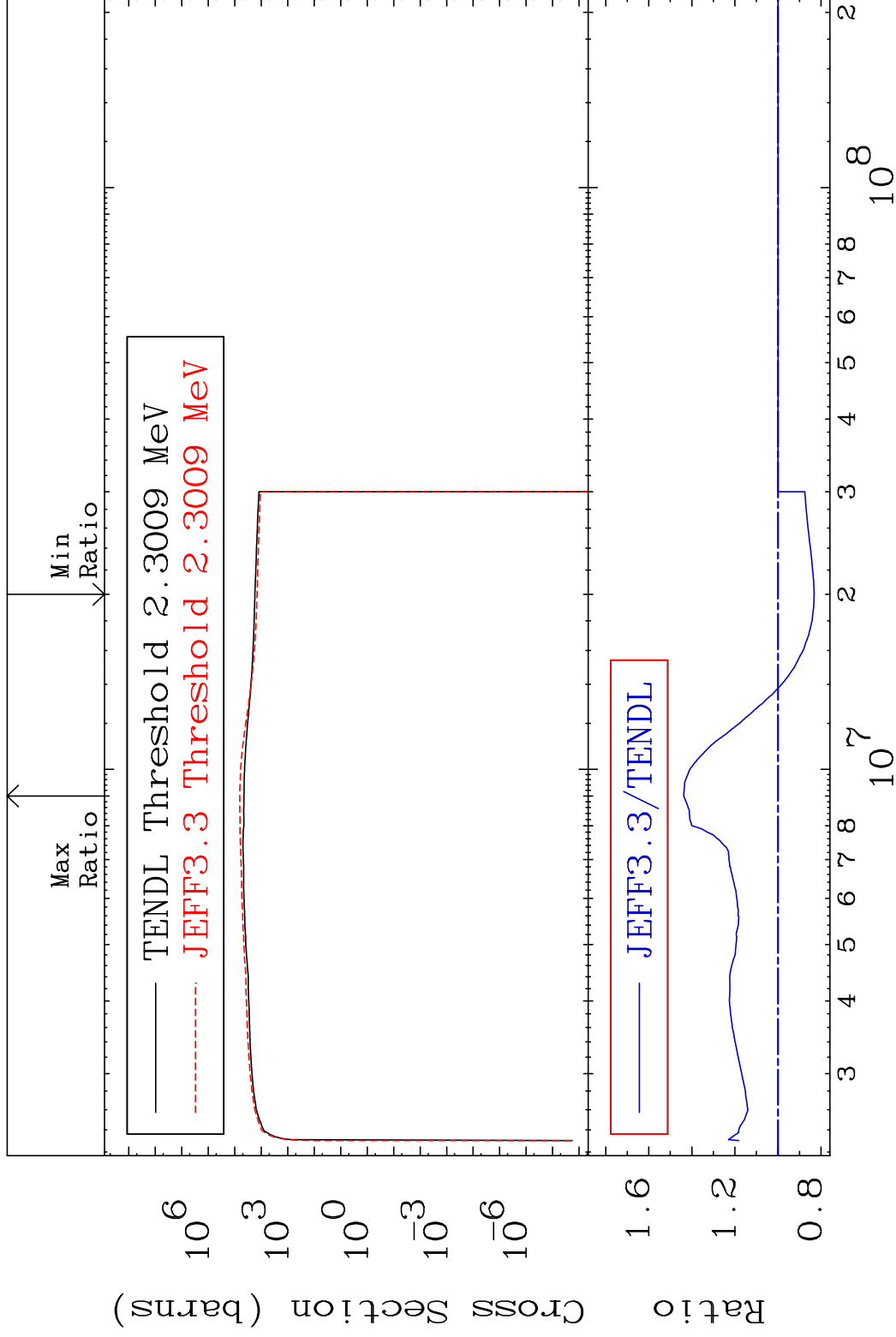
Cross Section -94.48 To 217.3 %



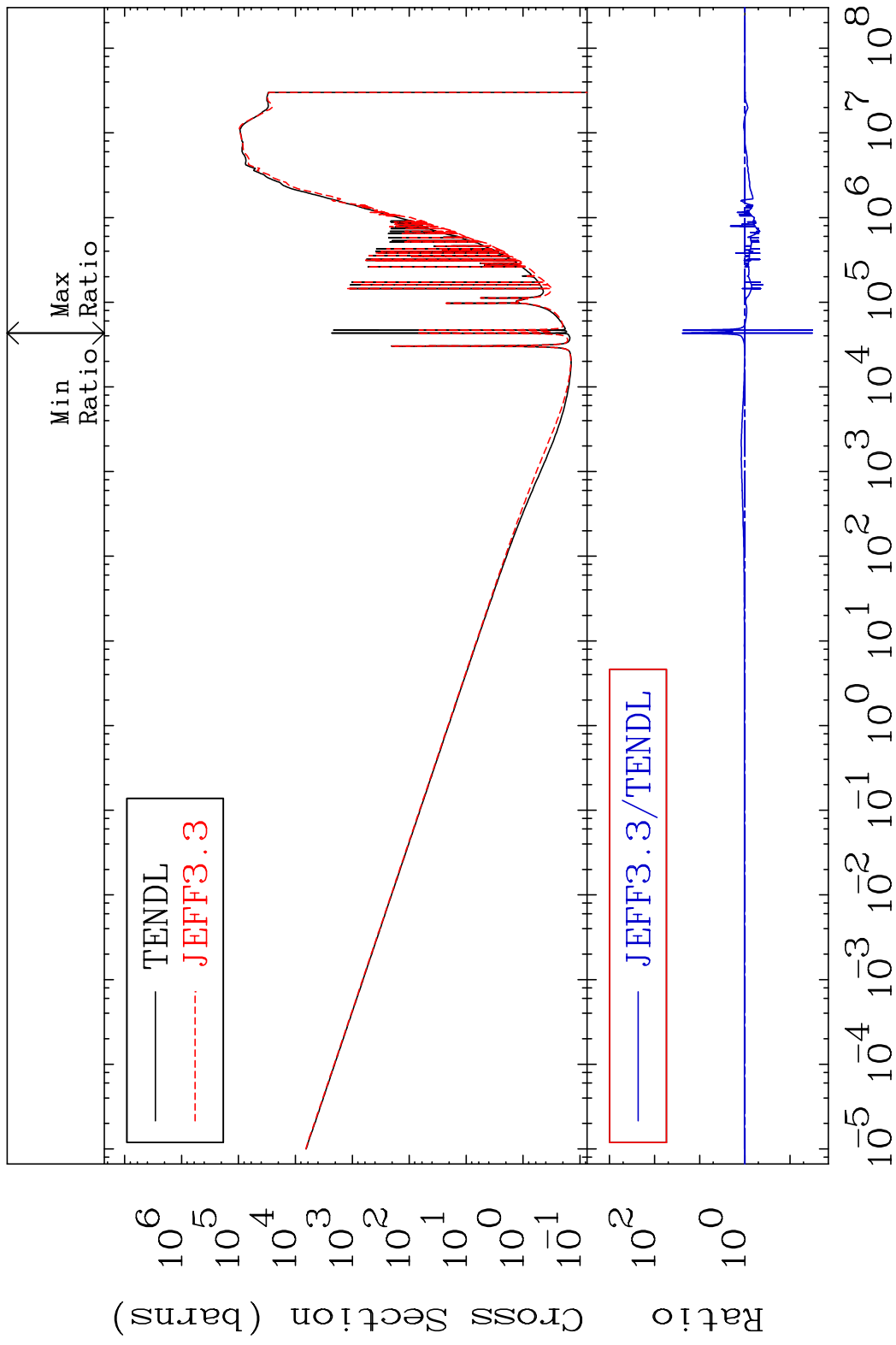
60

Incident Energy (eV)

16-S -32



MAT 1625 Dpa disappearance (mt102 -120) 16-S -32
 Cross Section -96.85 To 2324. %



62 Incident Energy (eV) 16-S -32