

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

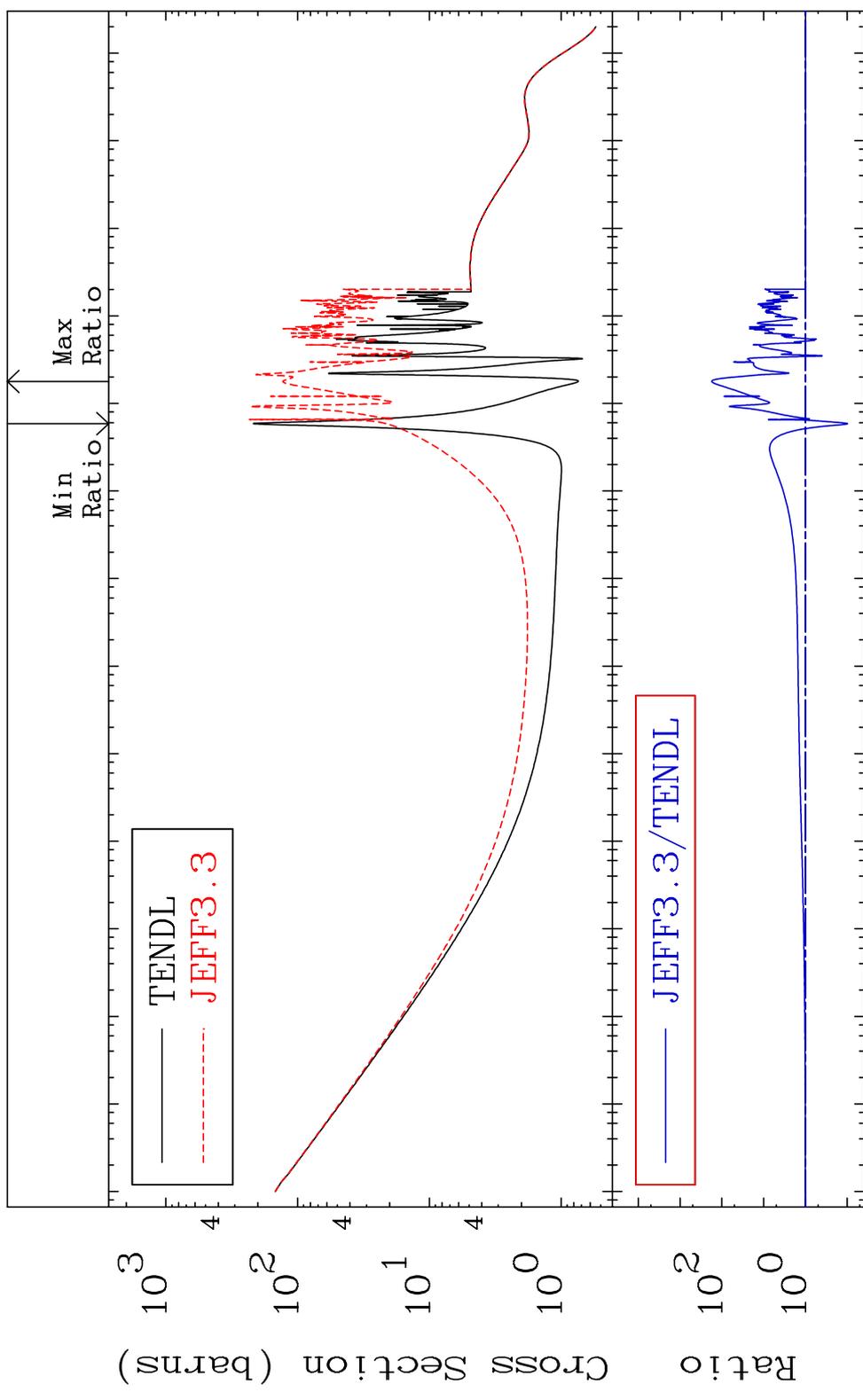
Press Mouse Button to Start

MAT 1322

Total

13-A1-26

Cross Section -90.18 To 9999. %



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

1

Incident Energy (eV)

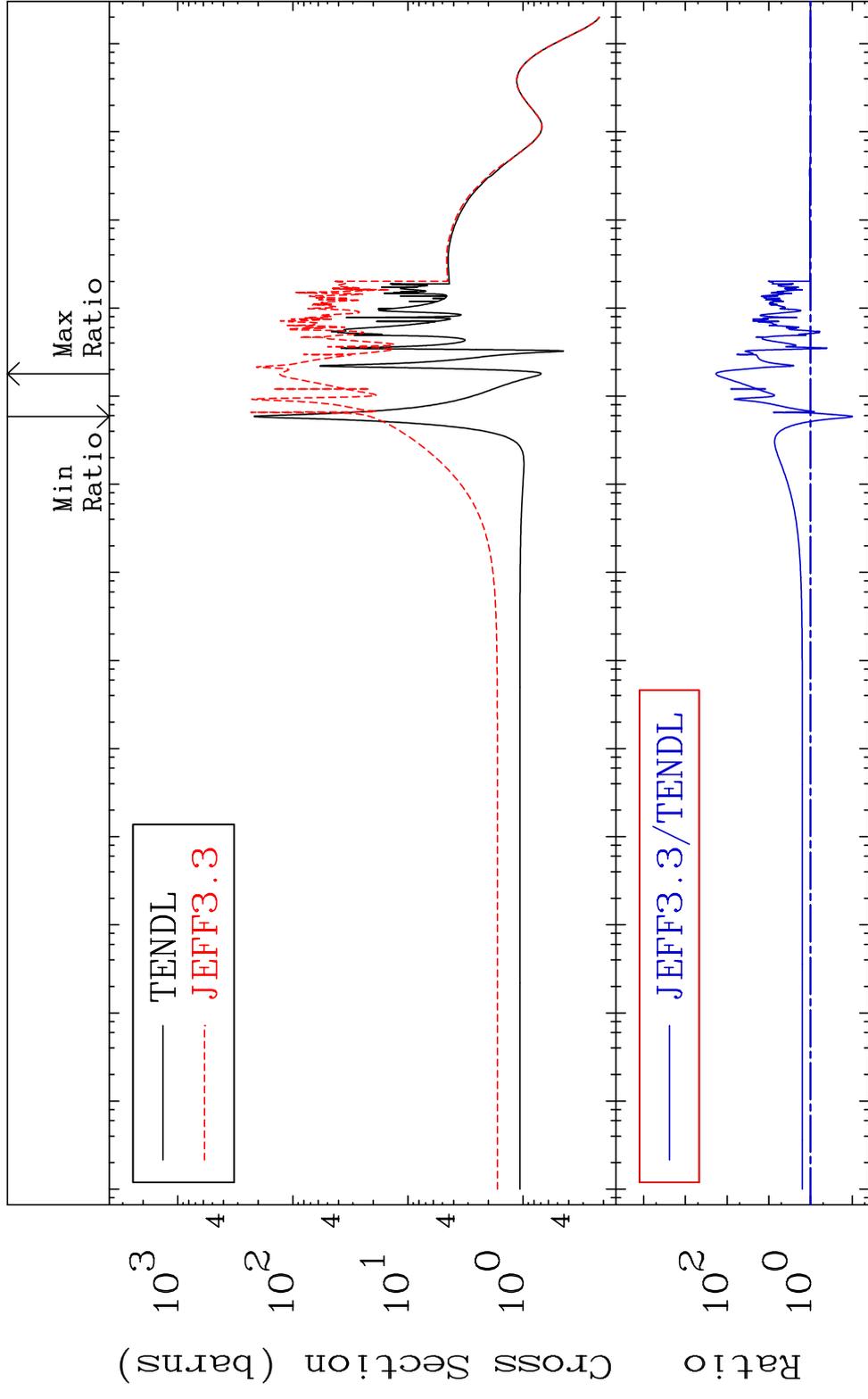
13-A1-26

MAT 1322

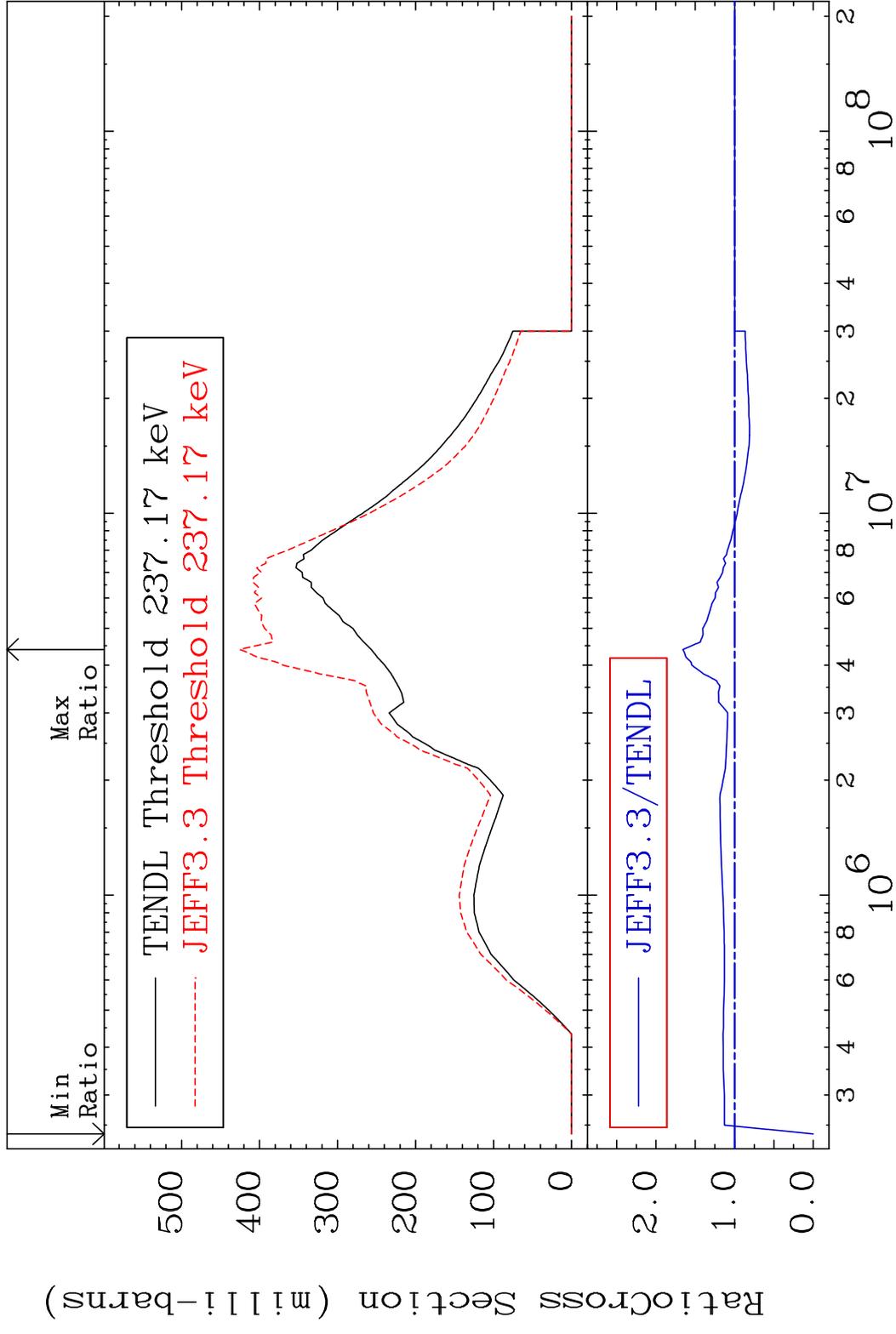
13-A1-26

Elastic

Cross Section -90.16 To 9999. %



MAT 1322 Inelastic 13-Al-26
 Cross Section -100.0 To 65.84 %

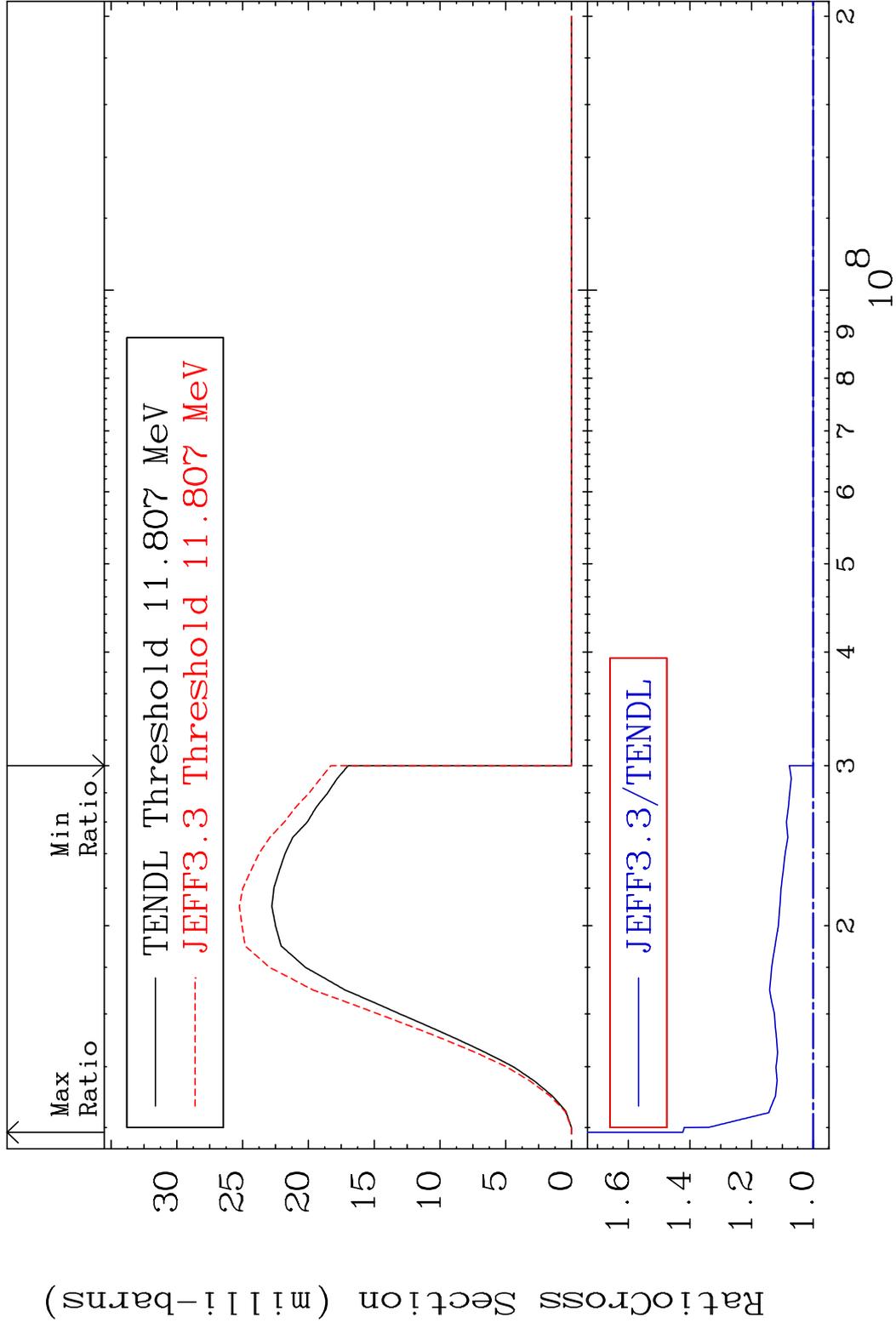


MAT 1322

(n,2n)

13-A1-26

Cross Section 0.000 To 42.32 %

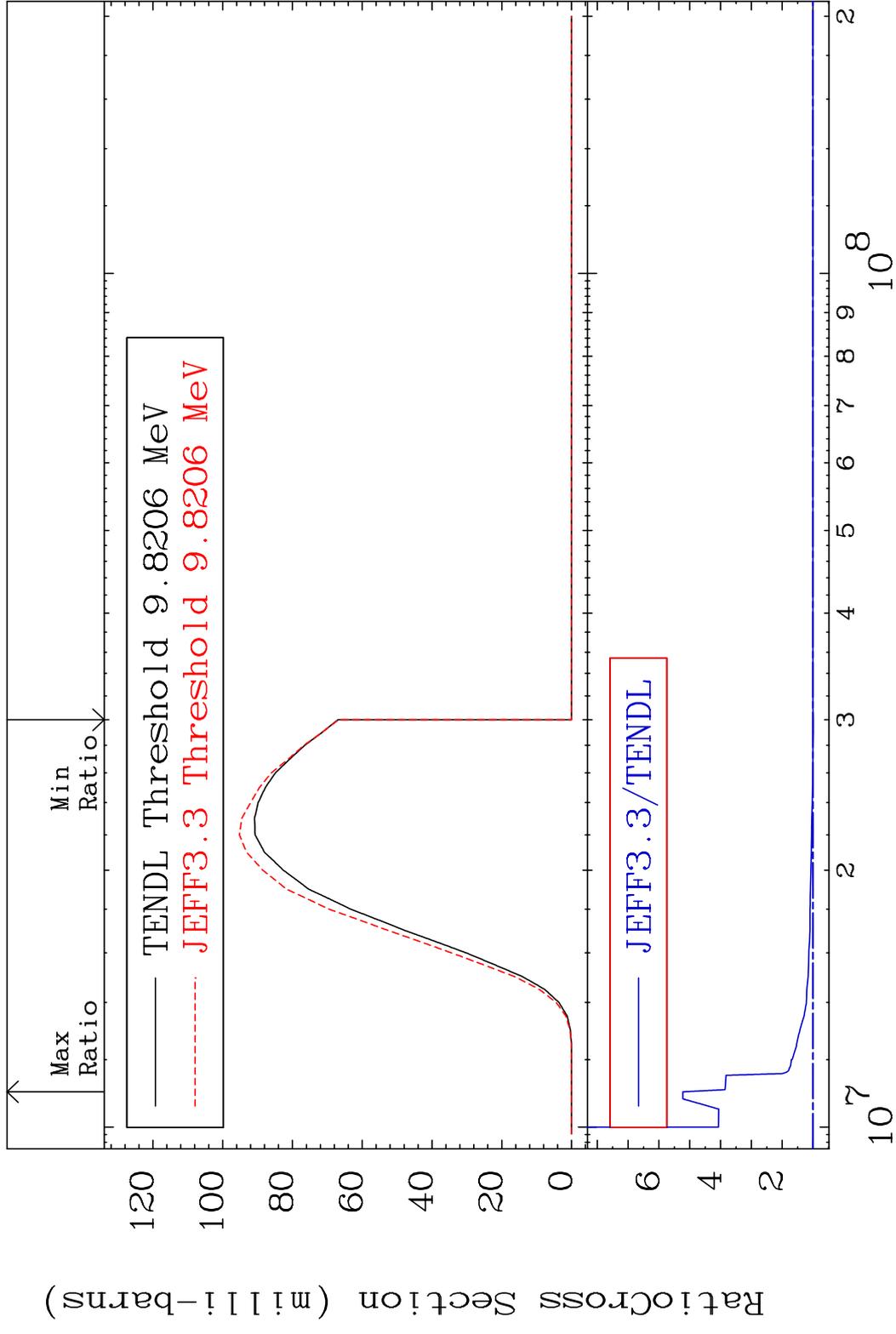


MAT 1322

(n, n') α

13-A1-26

Cross Section -0.214 To 422.4 %



5

Incident Energy (eV)

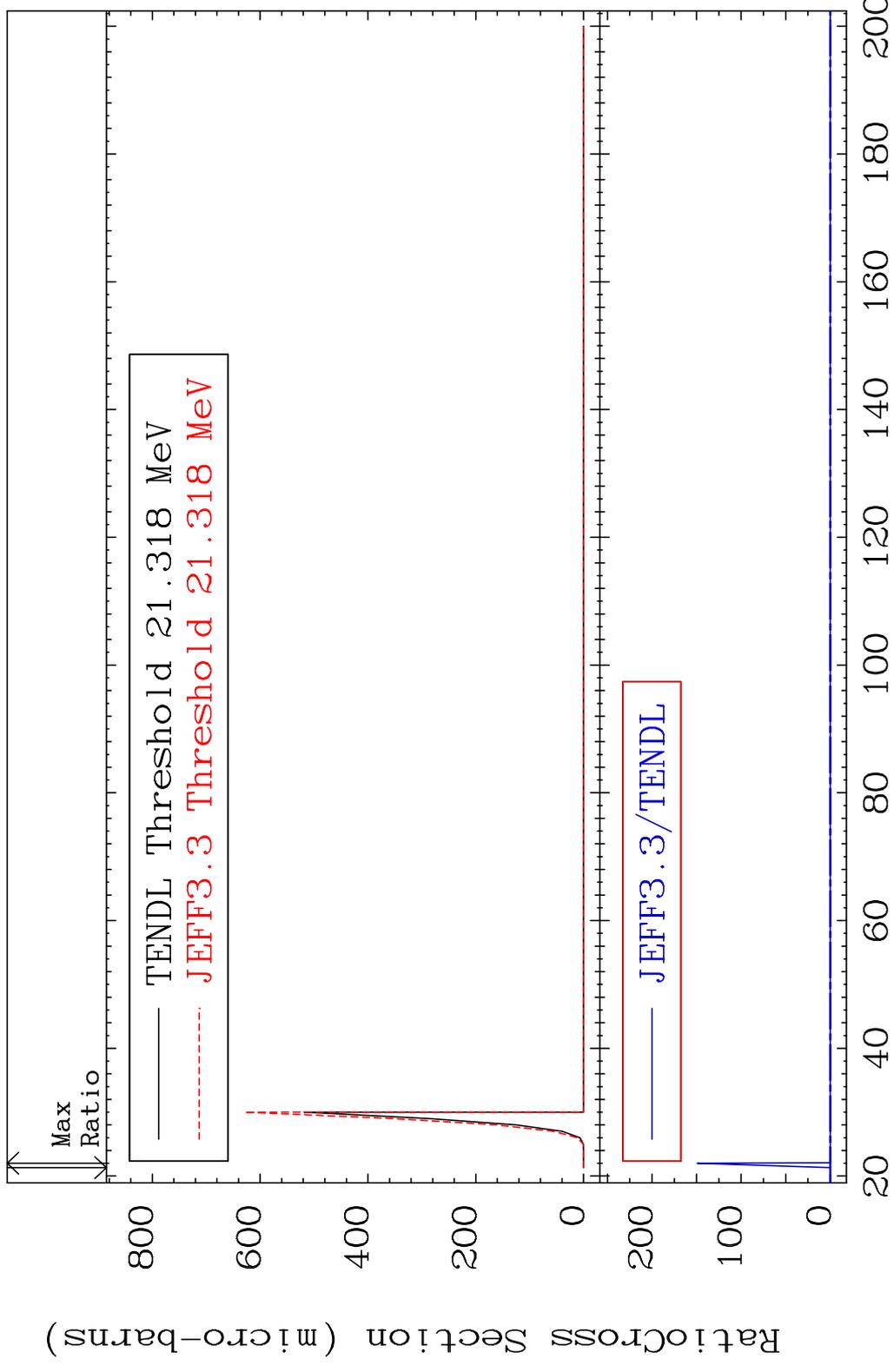
13-A1-26

MAT 1322

(n,2n) α

13-A1-26

Cross Section -100.0 To 9999. %

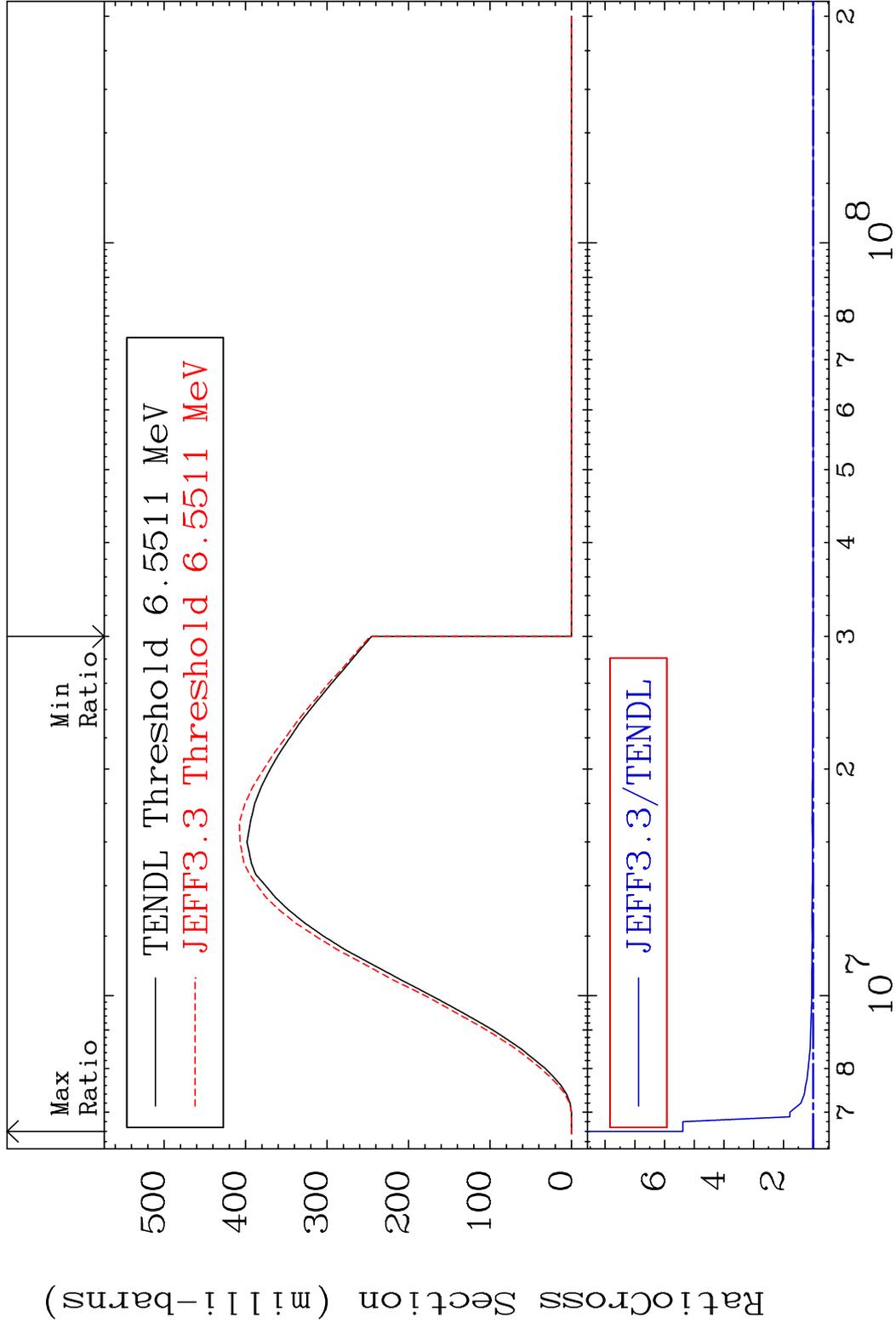


MAT 1322

(n, n') p

13-Al-26

Cross Section 0.000 To 438.5 %



7

Incident Energy (eV)

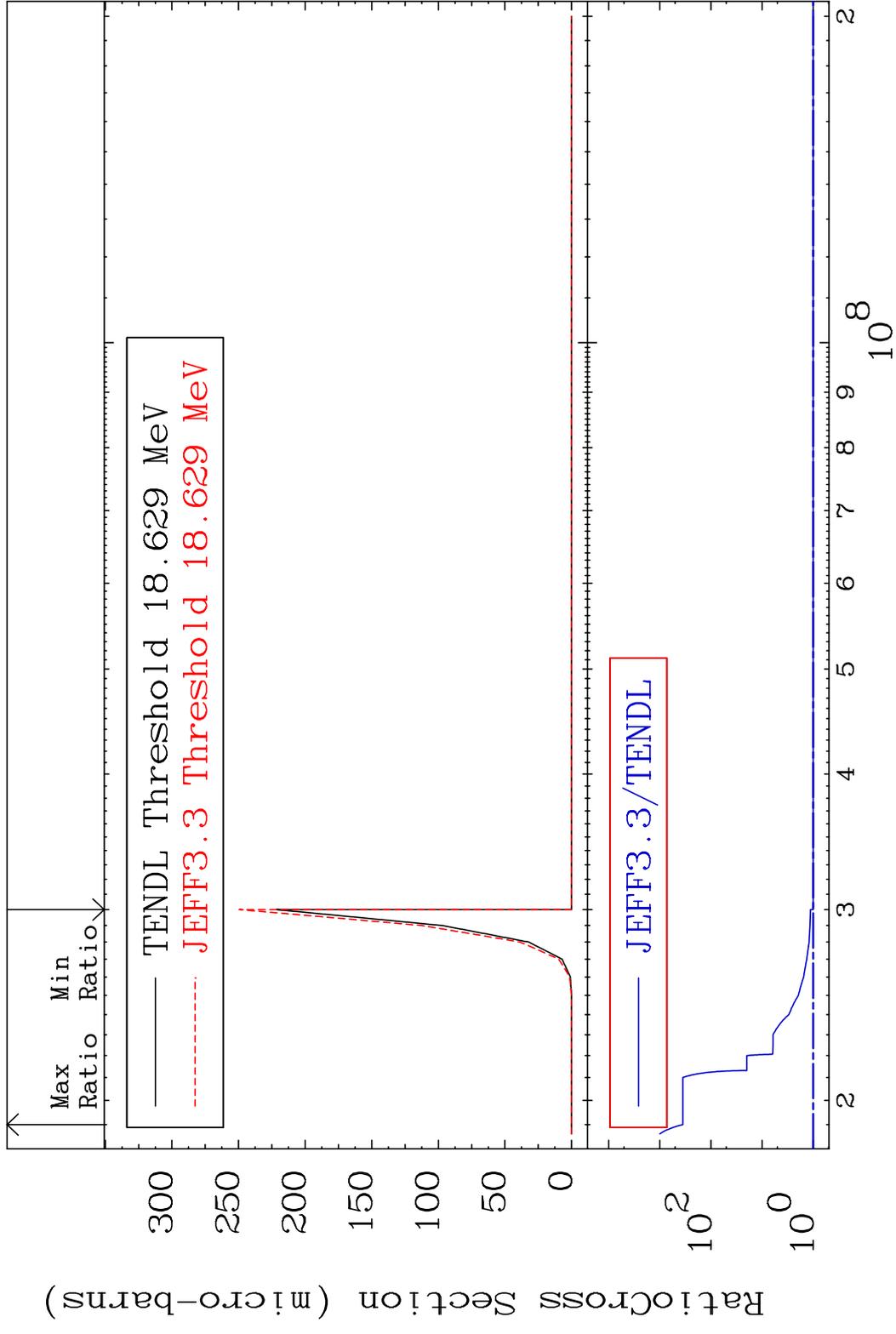
13-Al-26

MAT 1322

(n, n') 2α

13-Al-26

Cross Section 0.000 To 9999. %

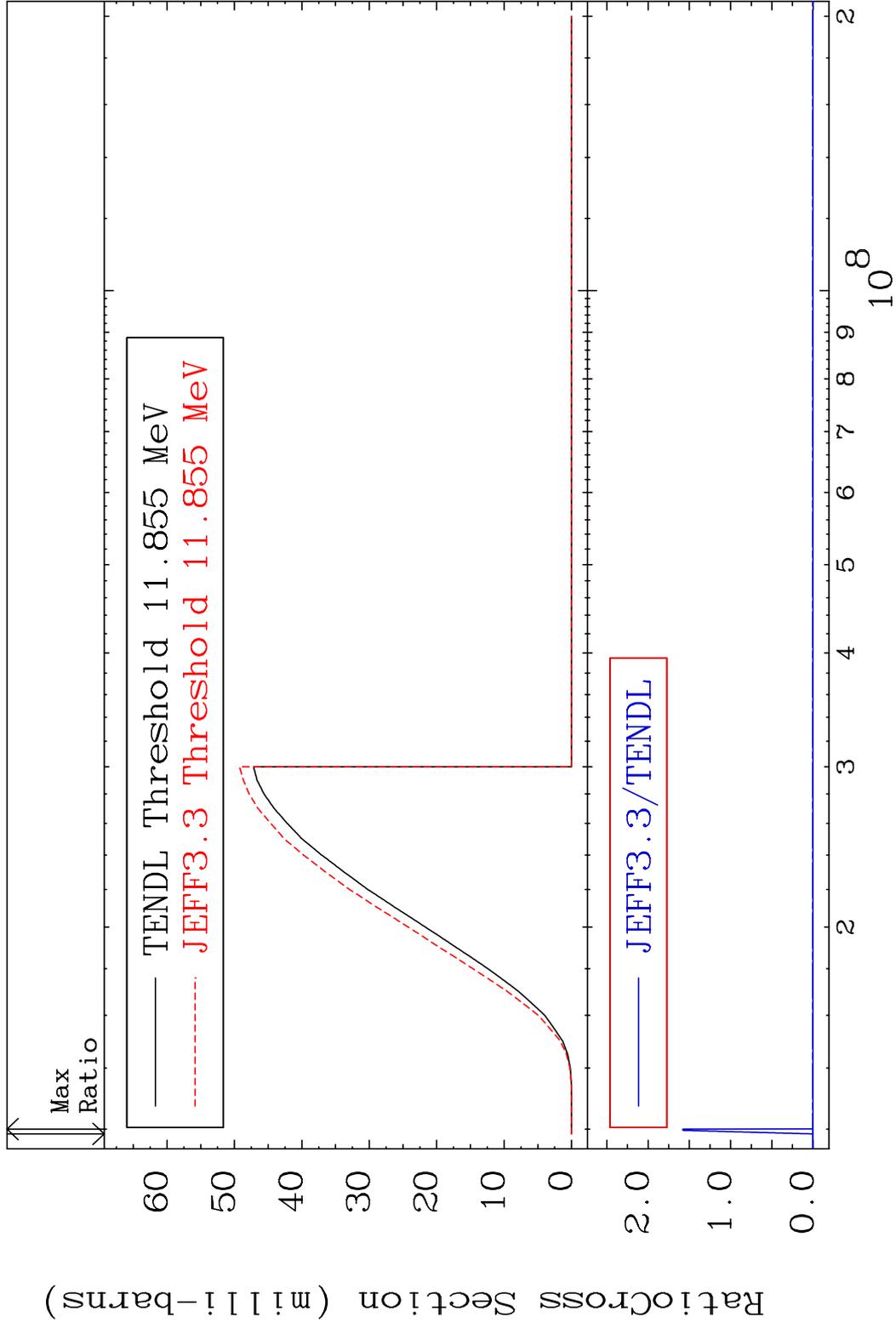


MAT 1322

(n, n') d

13-A1-26

Cross Section -100.0 To 9999. %

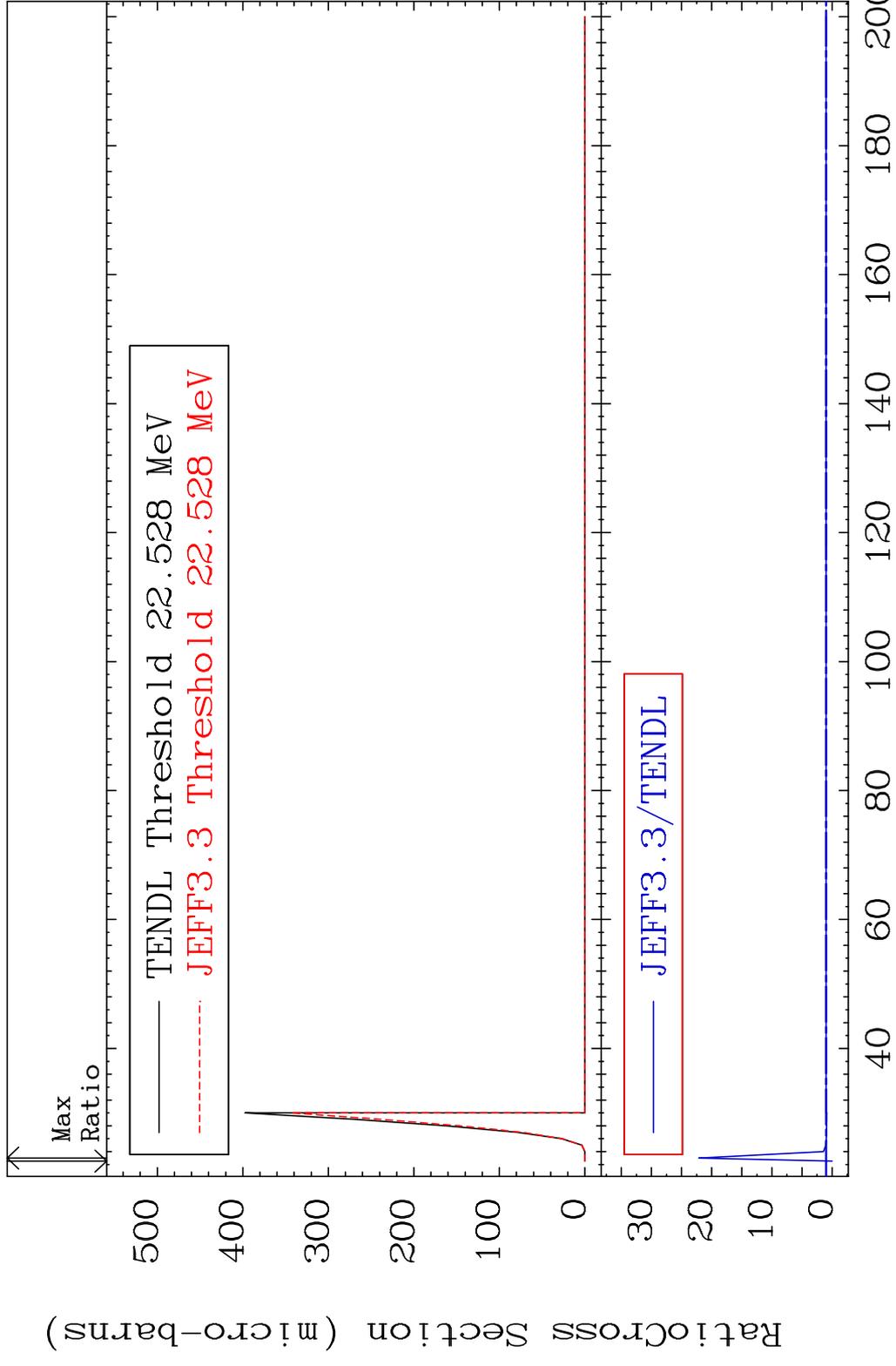


MAT 1322

(n, n') t

13-Al-26

Cross Section -100.0 To 2115. %



10

Incident Energy (MeV)

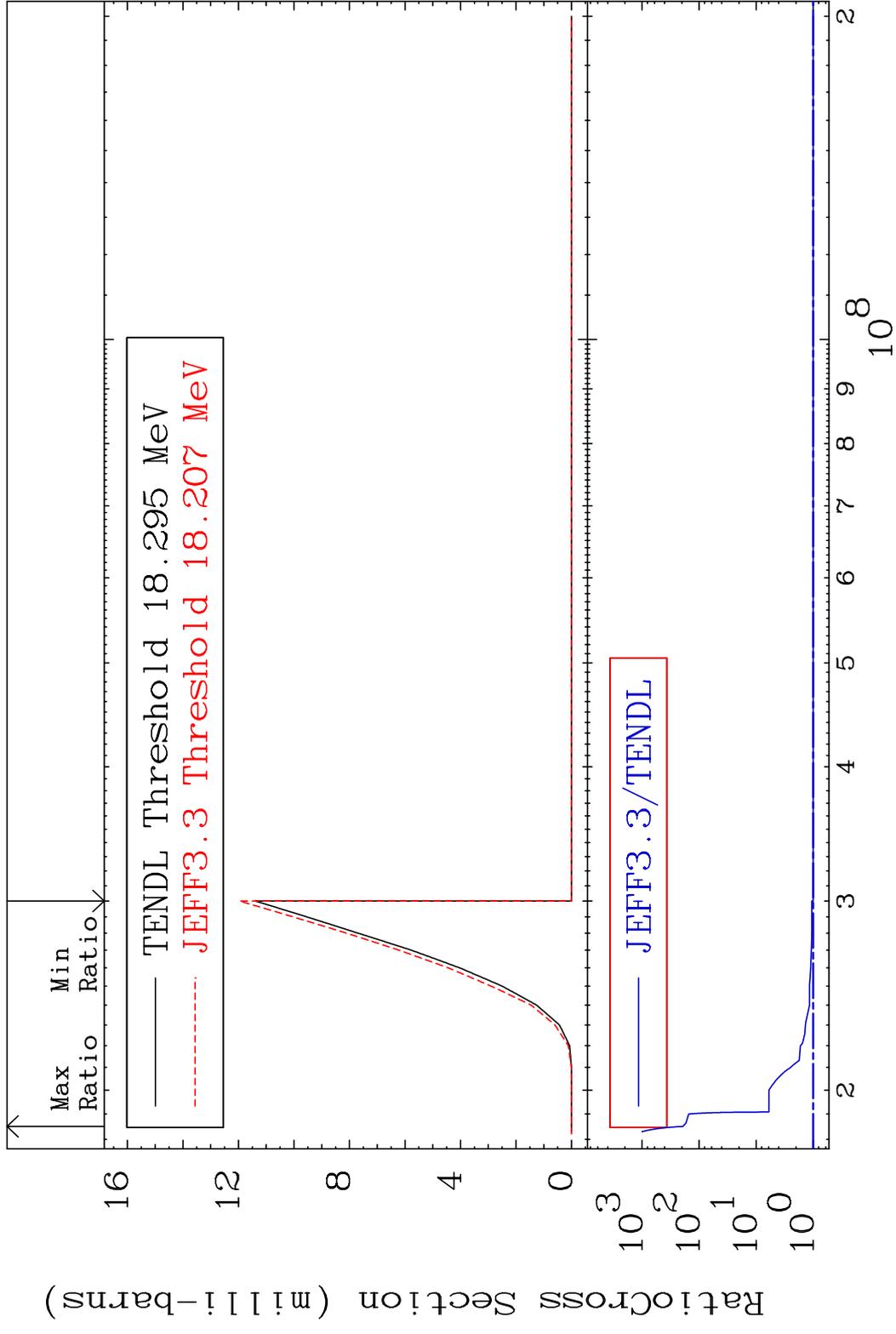
13-Al-26

MAT 1322

(n,n') He-3

13-A1-26

Cross Section 0.000 To 9999. %



11

Incident Energy (eV)

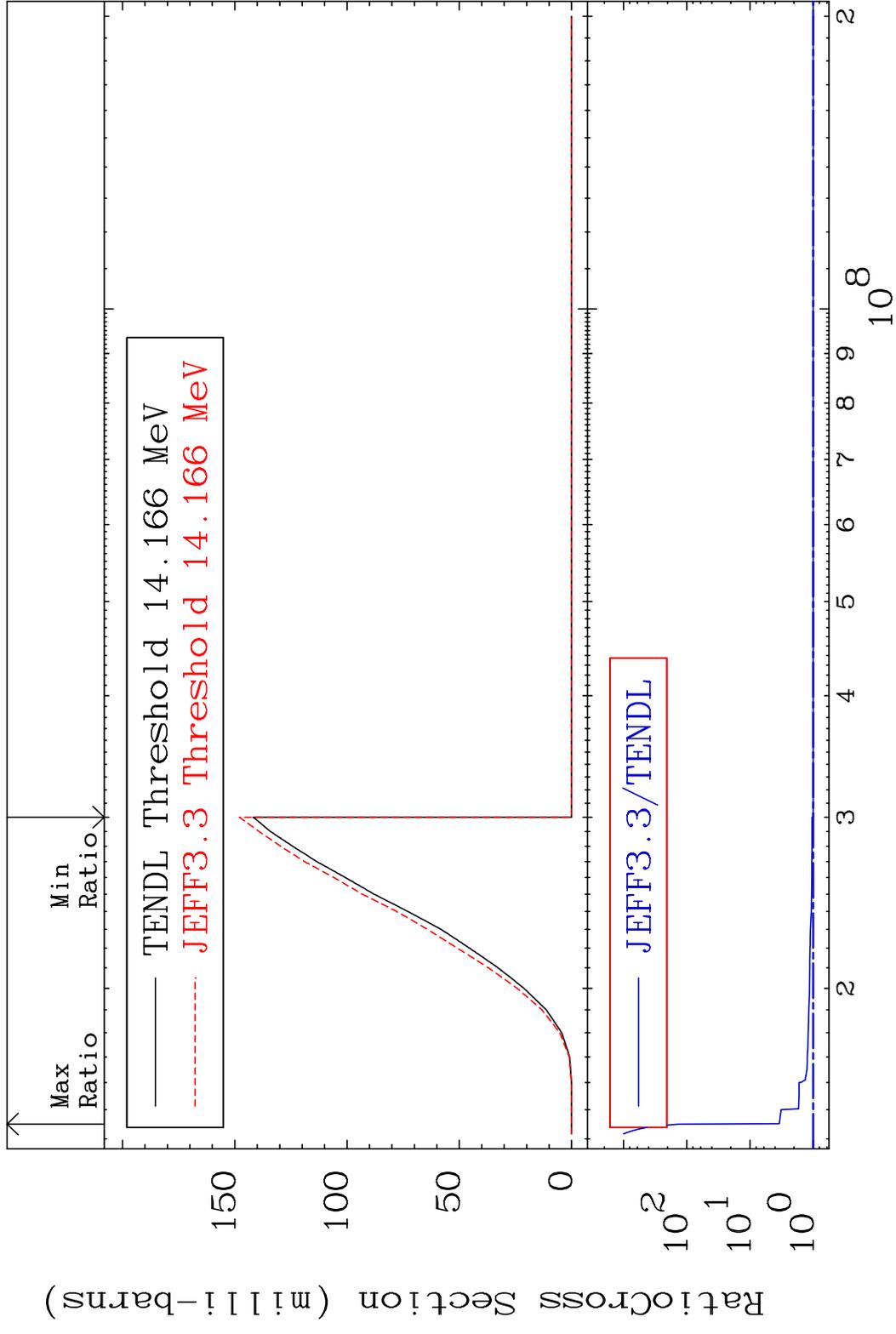
13-A1-26

MAT 1322

(n,2n) p

13-A1-26

Cross Section 0.000 To 9999. %

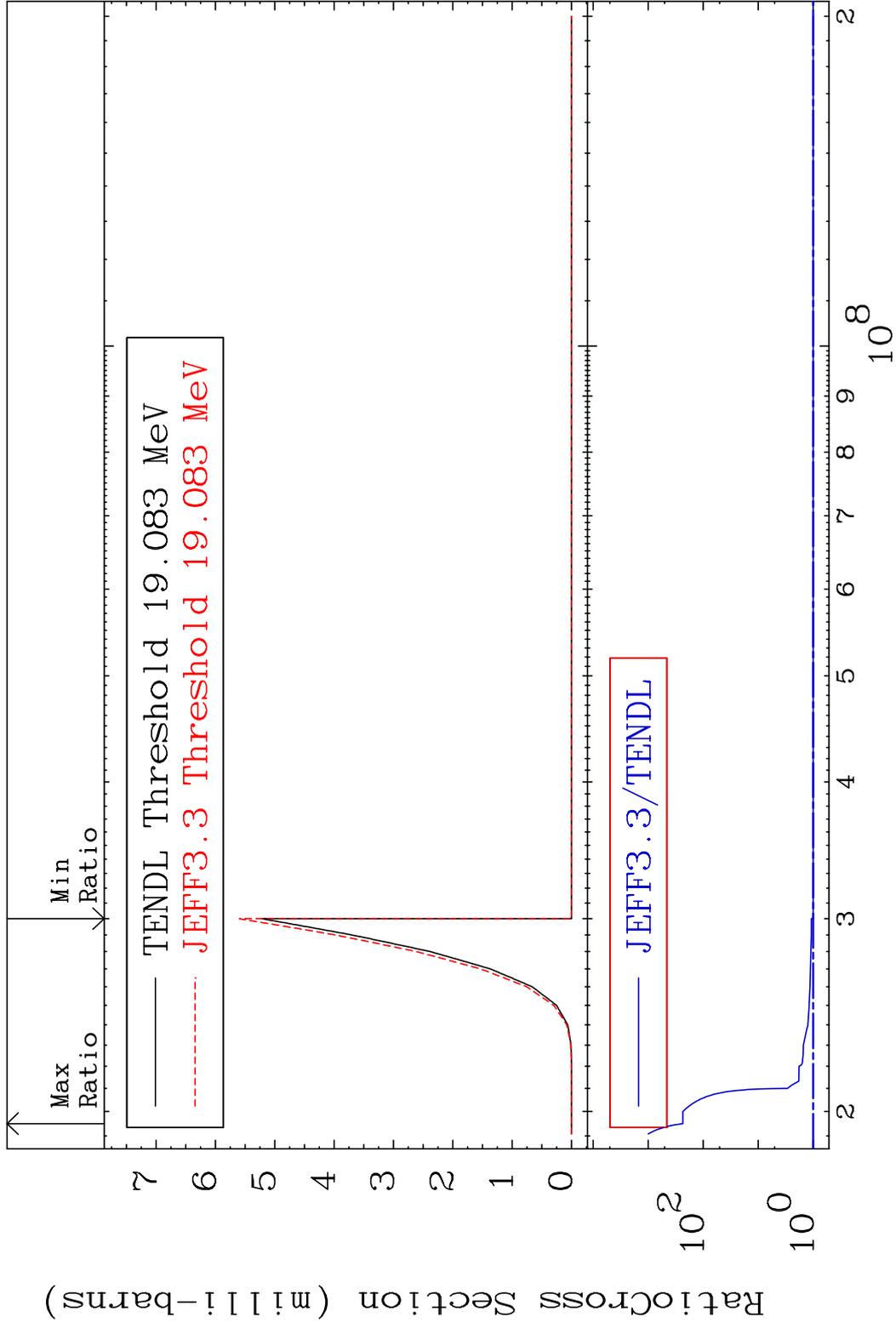


MAT 1322

(n,2n) p

13-A1-26

Cross Section 0.000 To 9999. %

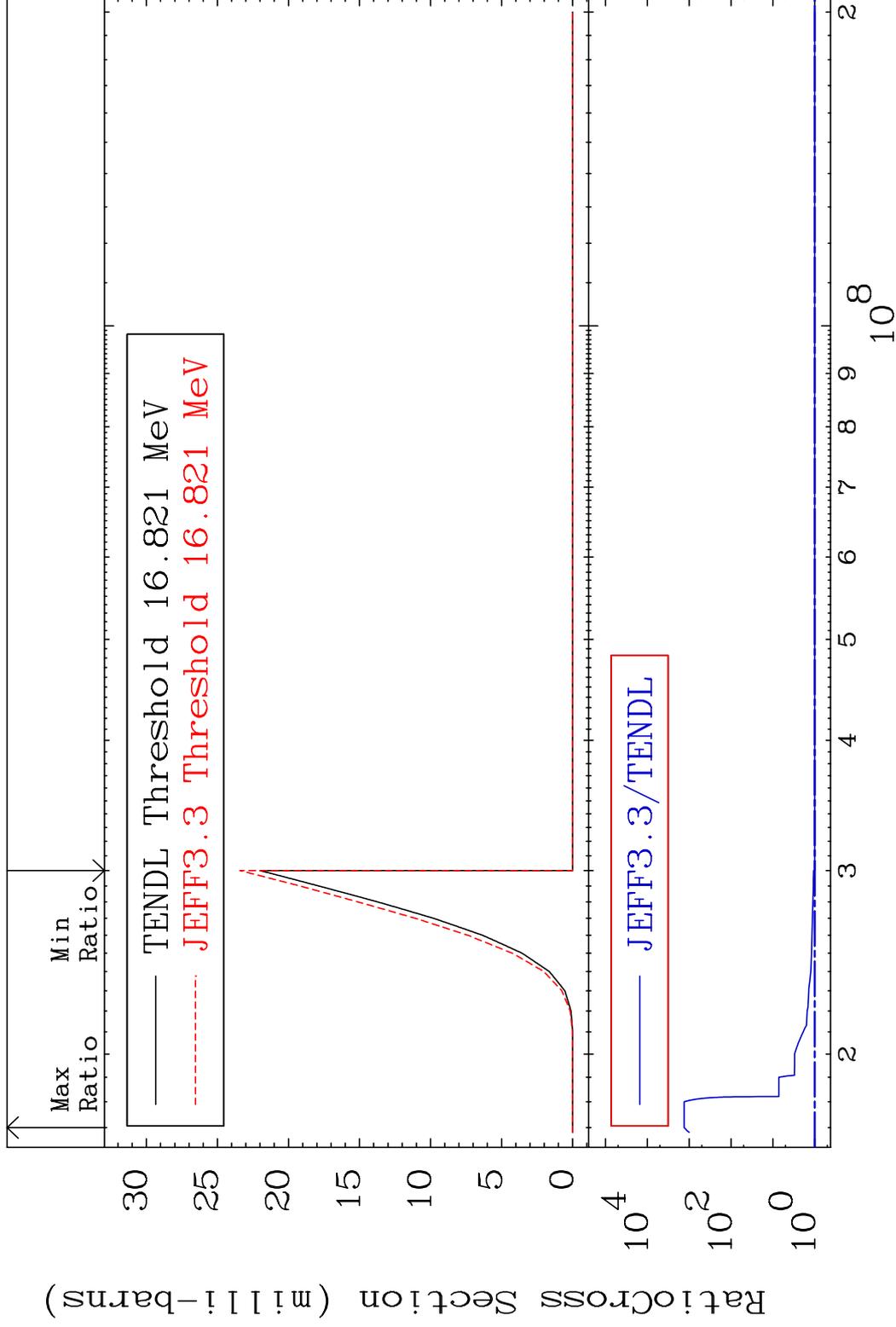


MAT 1322

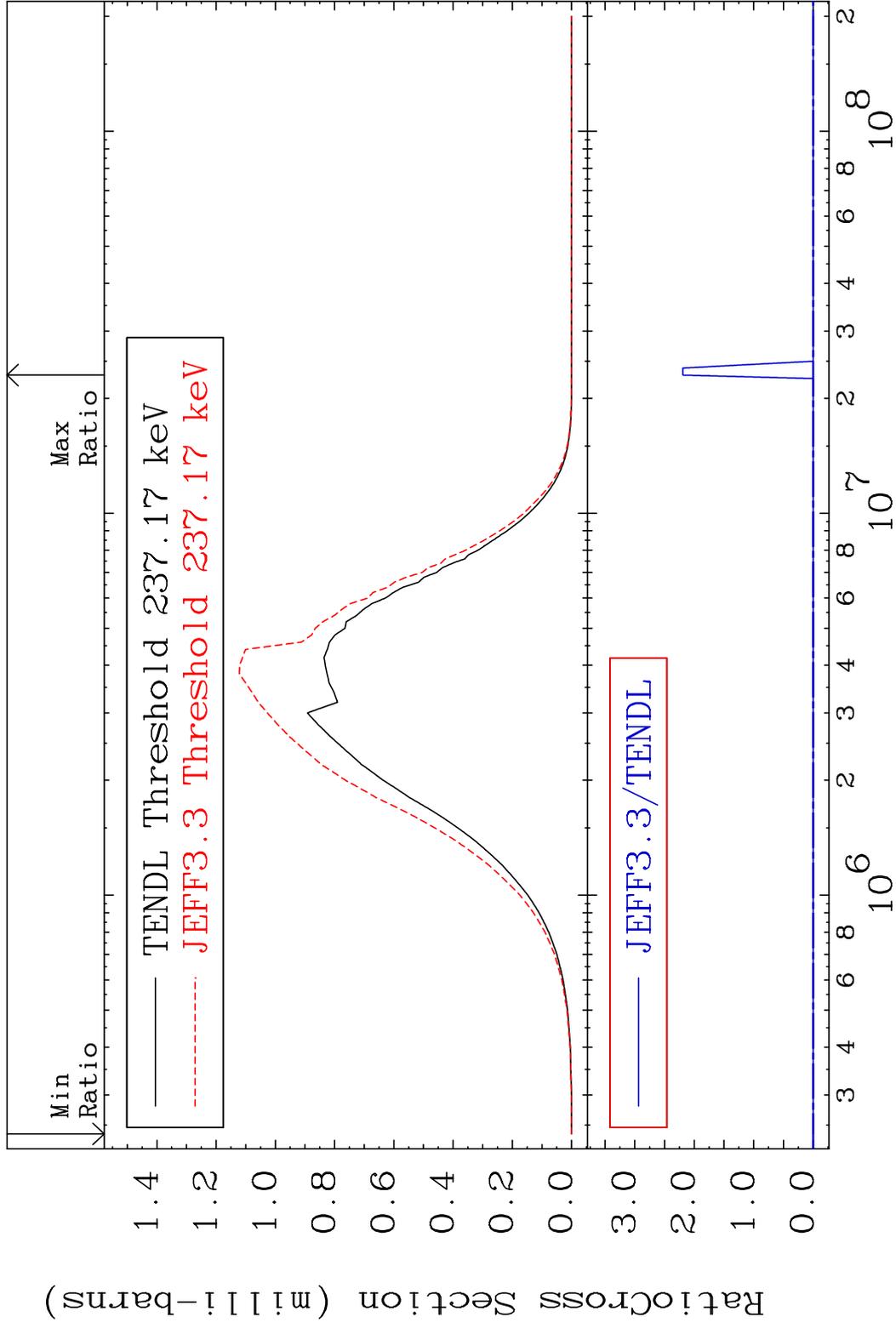
(n,n') p α

13-A1-26

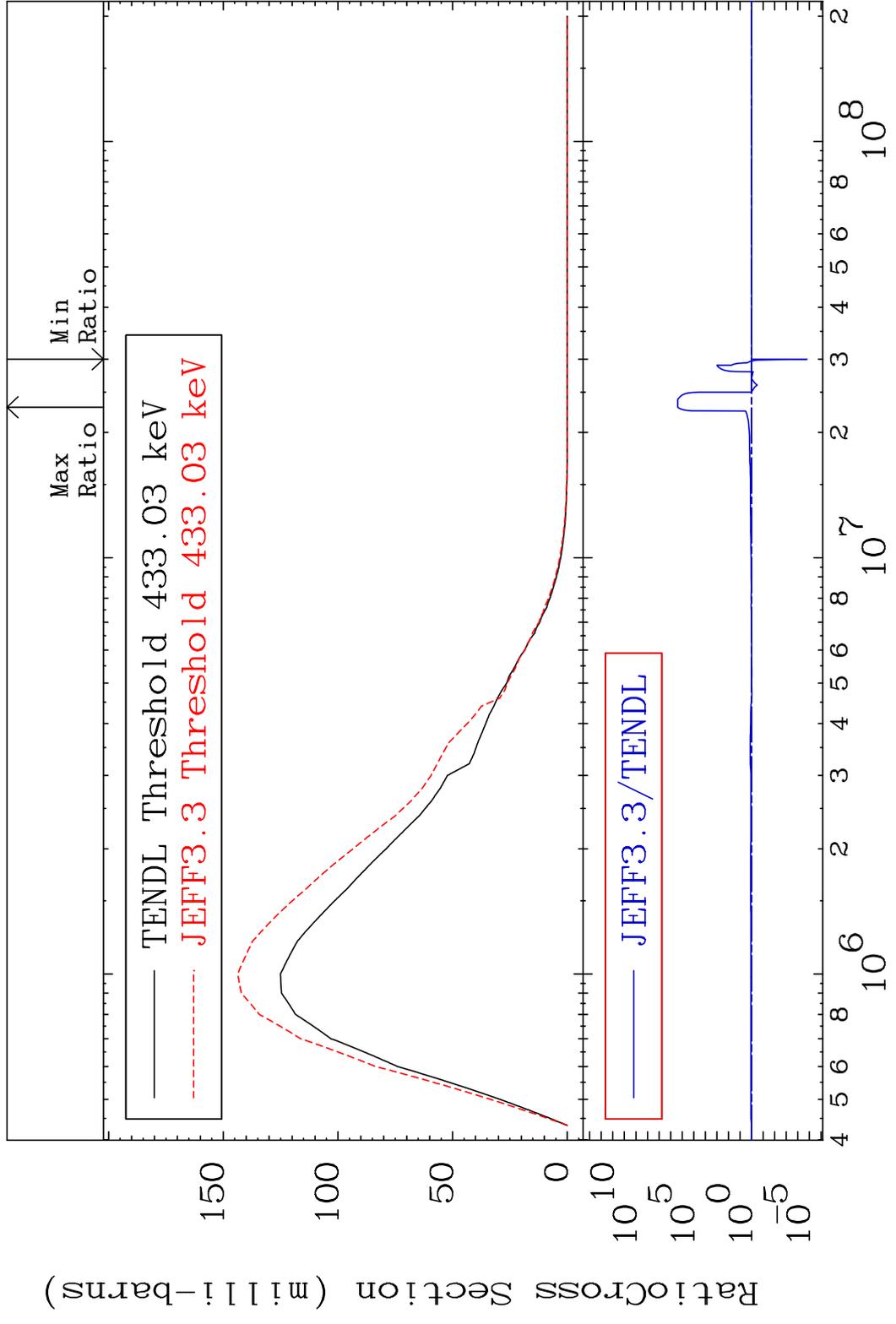
Cross Section 0.000 To 9999. %



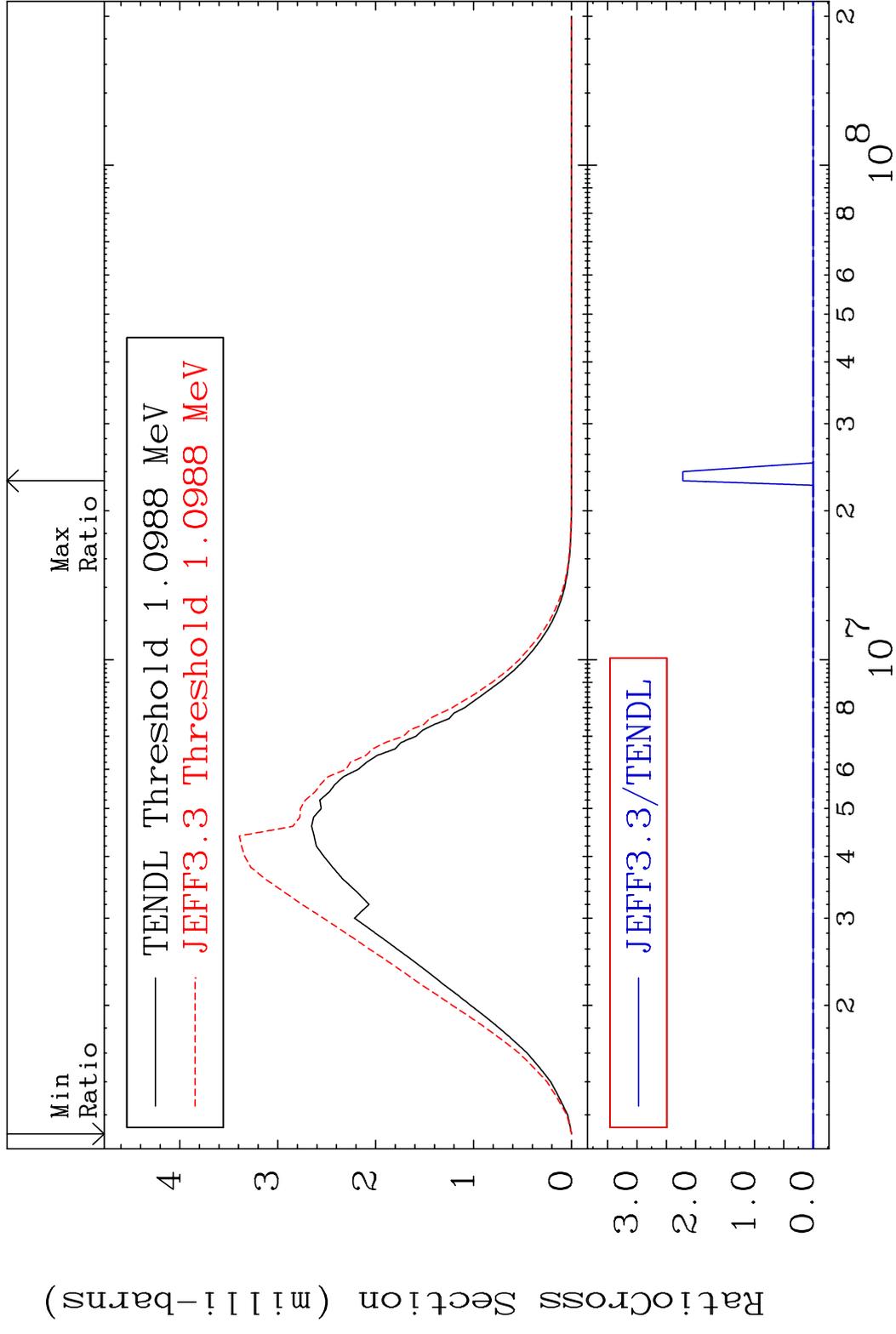
MAT 1322 MT= 51 (n, n') Level 13-Al-26
 Cross Section -100.0 To 9999. %



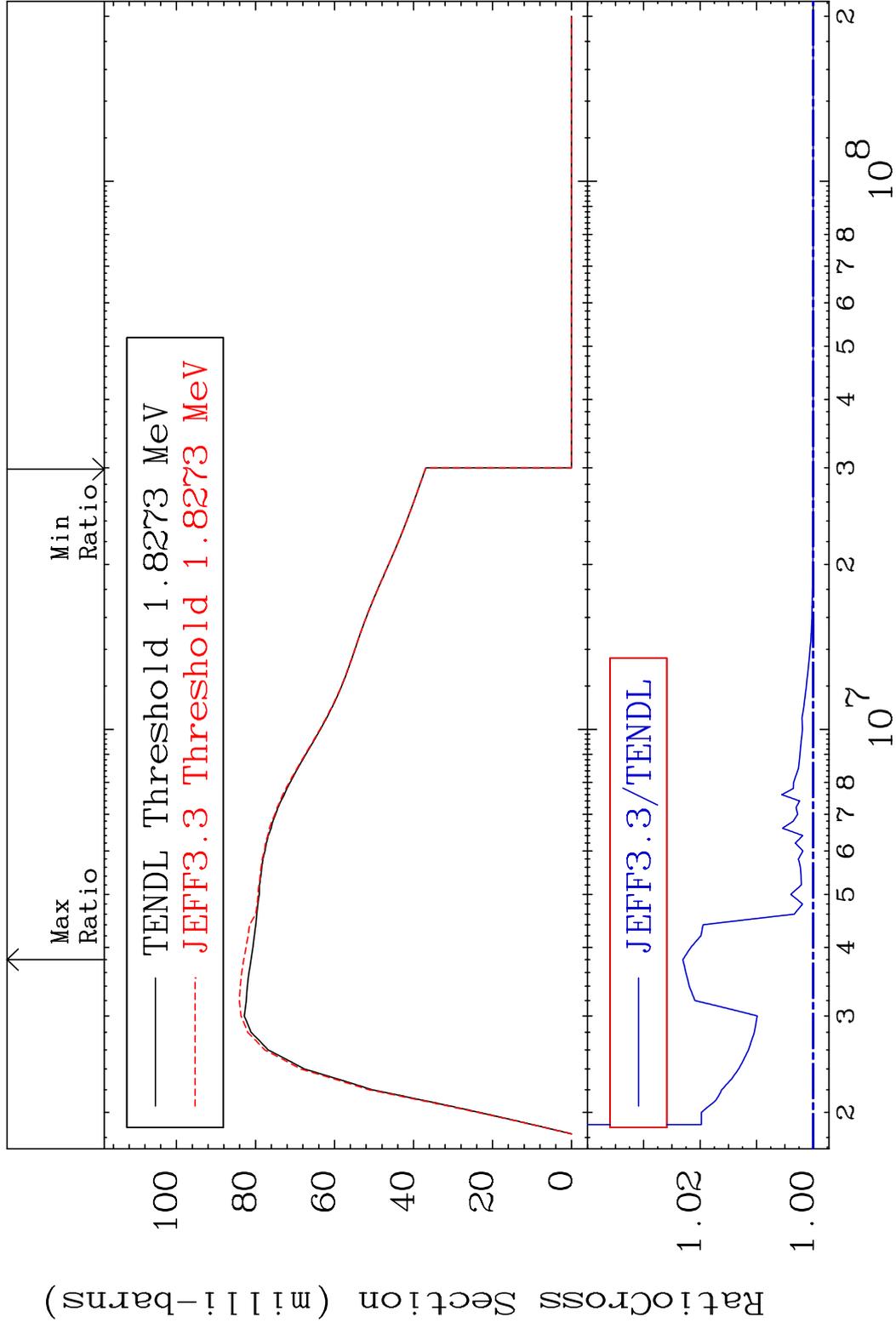
MAT 1322 MT= 52 (n, n') Level 13-A1-26
 Cross Section -100.0 To 9999. %



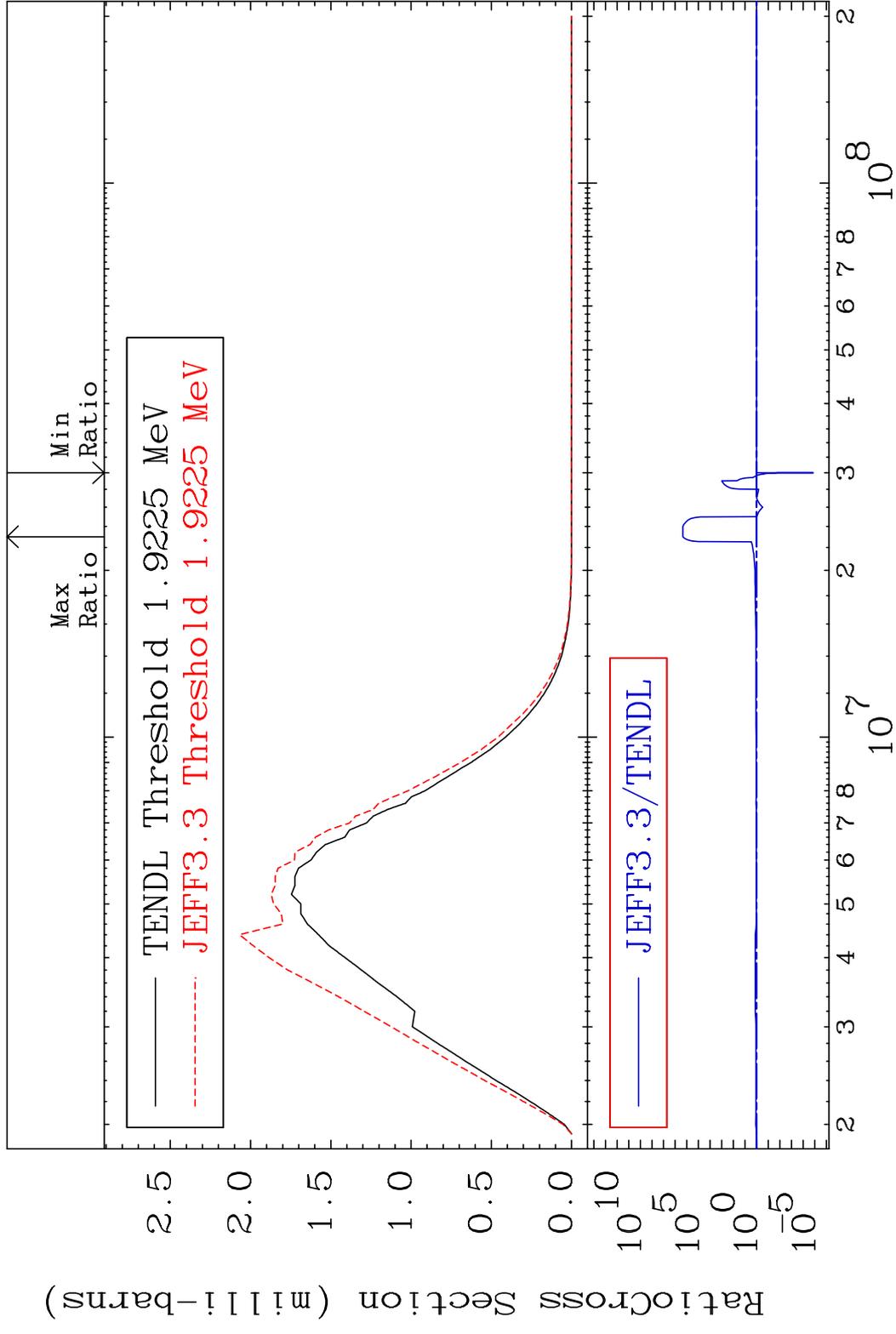
MAT 1322 MT= 53 (n, n') Level 13-A1-26
 Cross Section -100.0 To 9999. %



MAT 1322 MT= 54 (n, n') Level 13-A1-26
 Cross Section 0.000 To 2.307 %



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

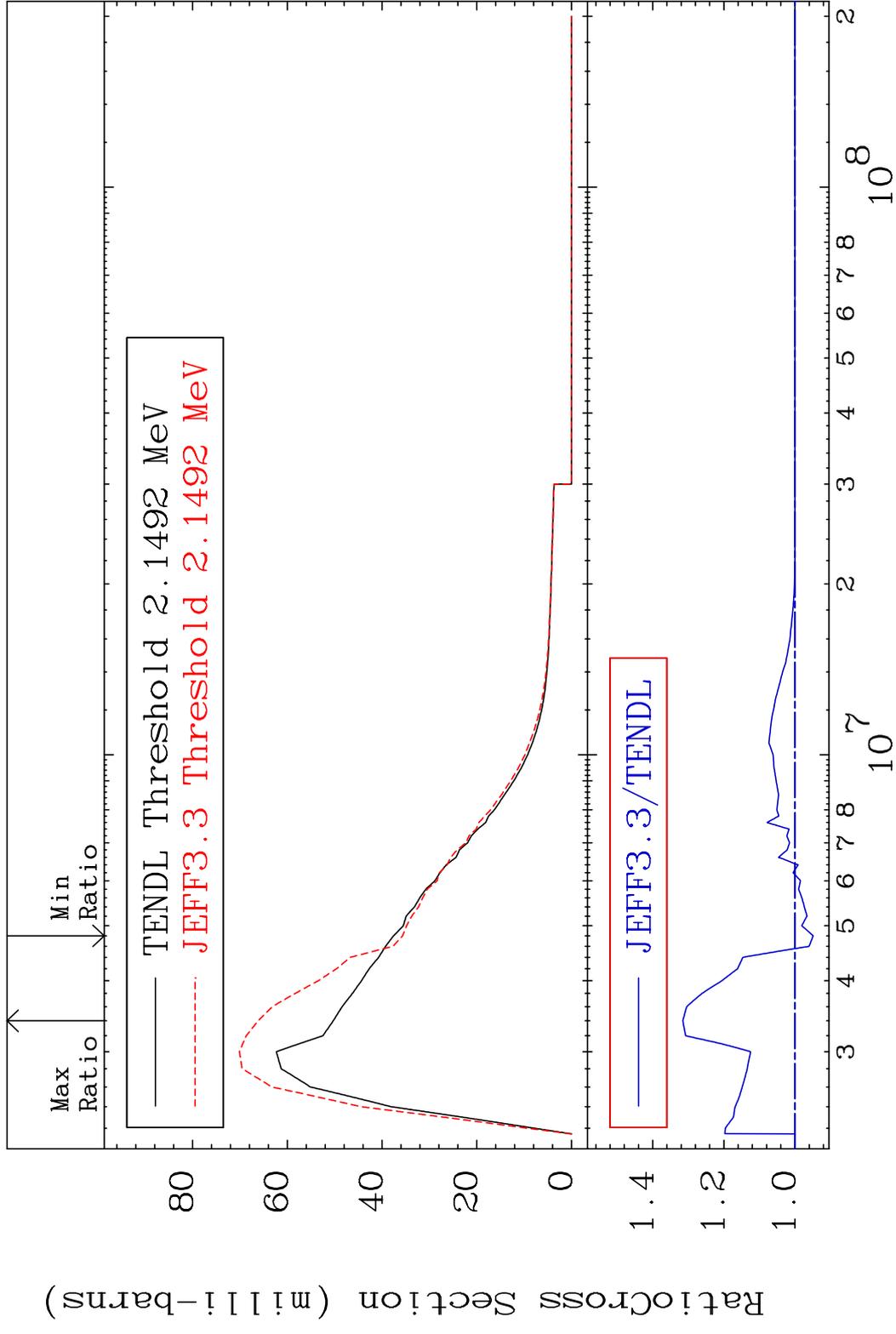


MAT 1322

MT= 56 (n, n') Level

13-A1-26

Cross Section -5.097 To 31.54 %

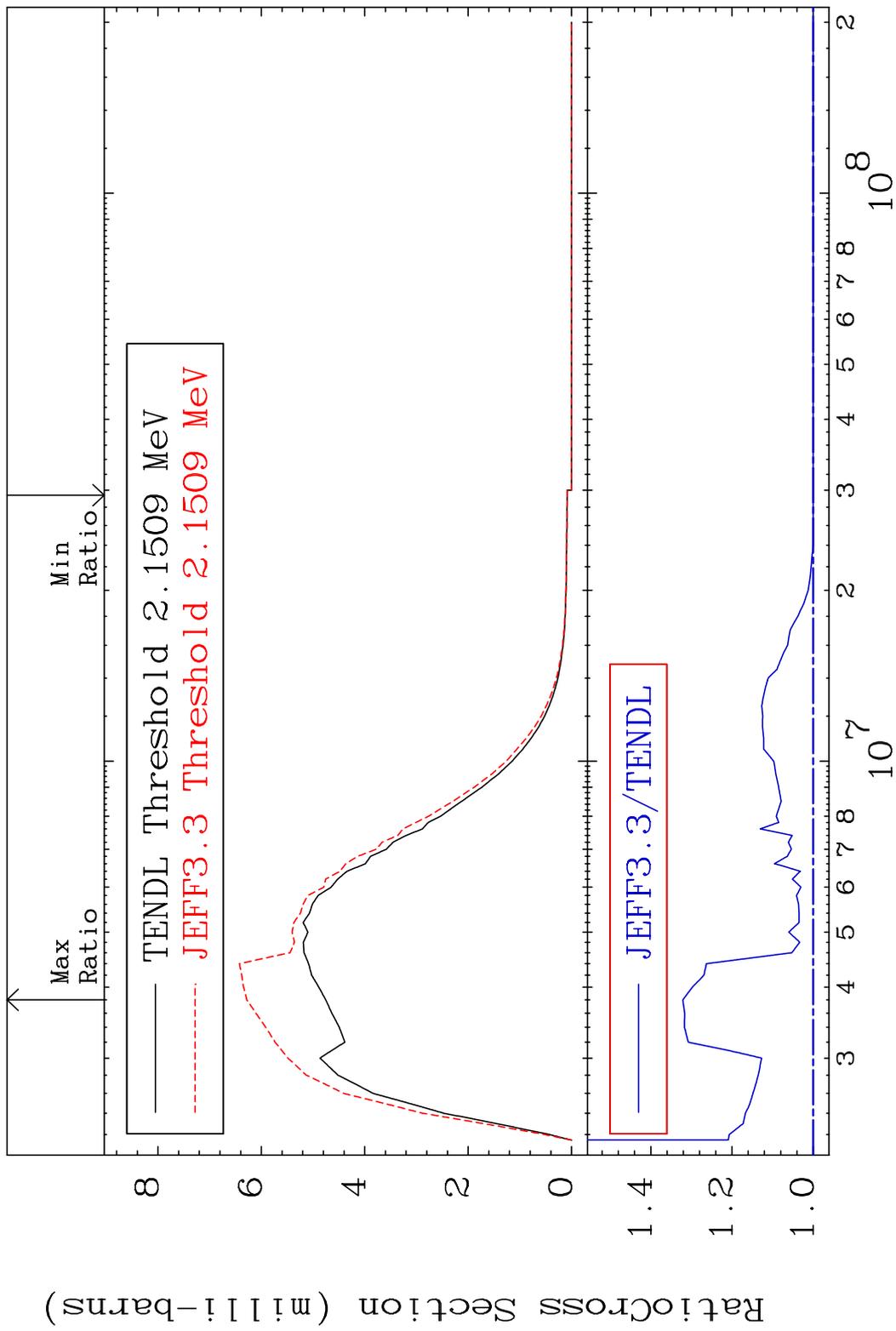


20

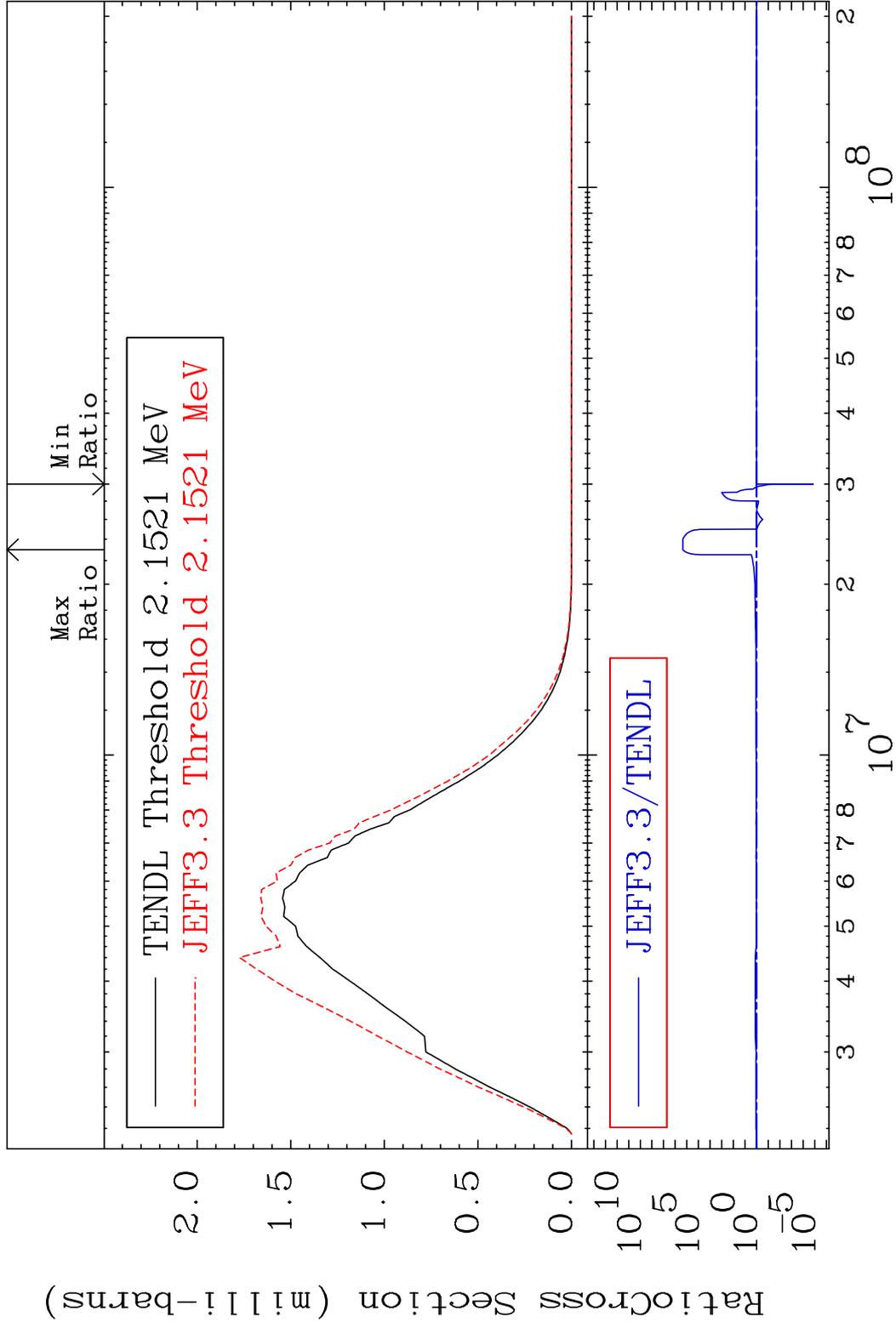
Incident Energy (eV)

13-A1-26

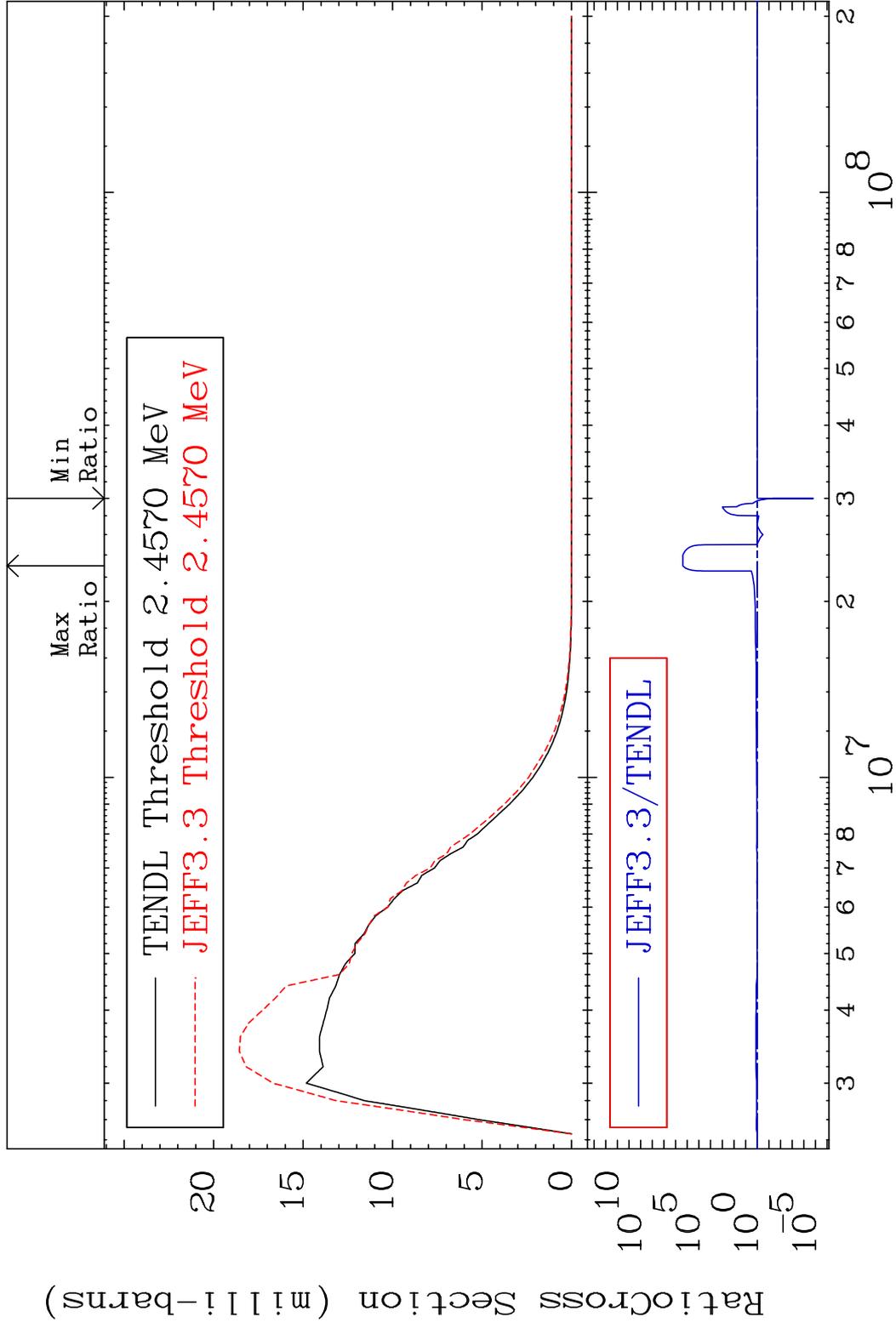
MAT 1322 MT= 57 (n, n') Level 13-A1-26
 Cross Section 0.000 To 32.11 %



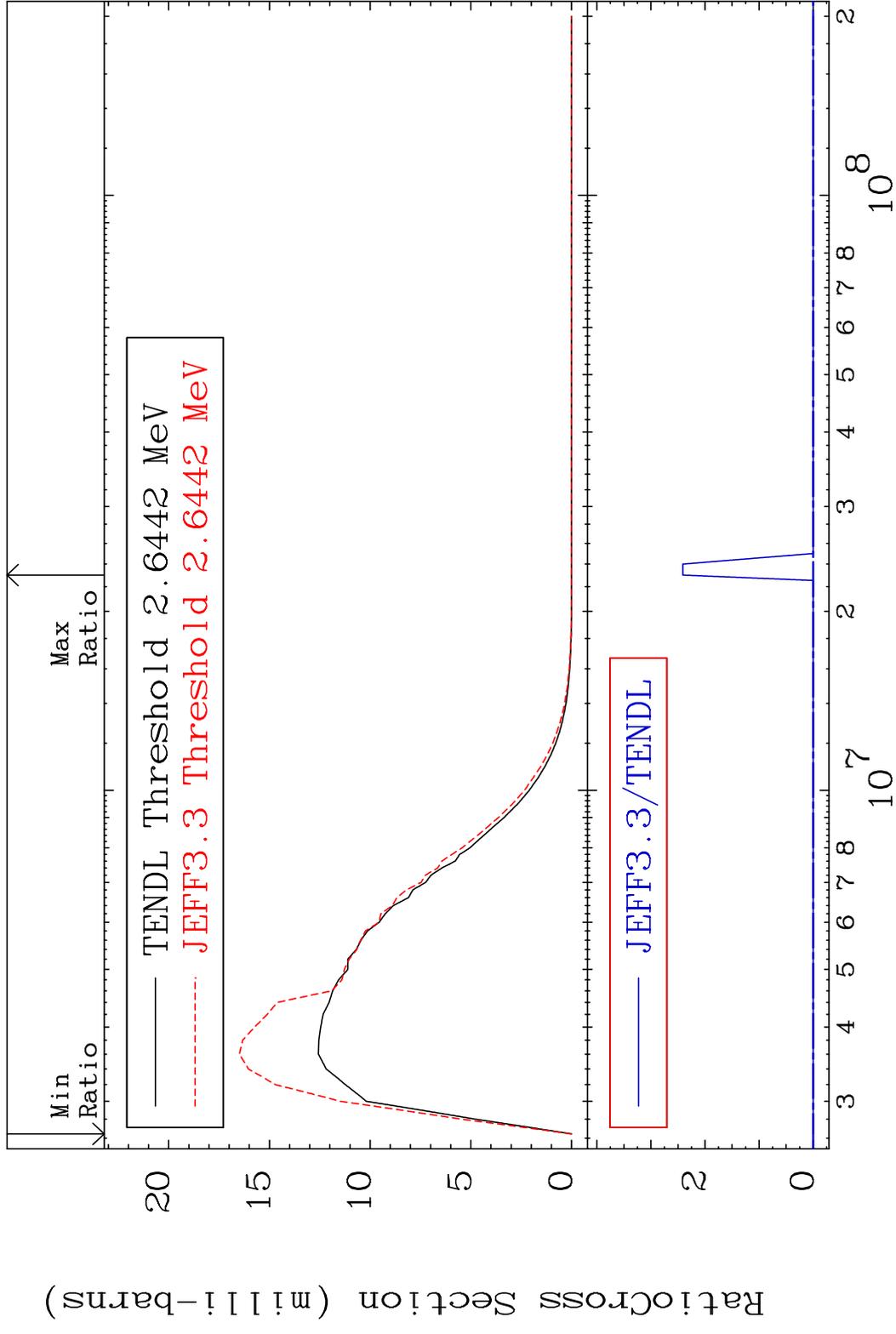
MAT 1322 MT= 58 (n, n') Level 13-A1-26
 Cross Section -100.0 To 9999. %



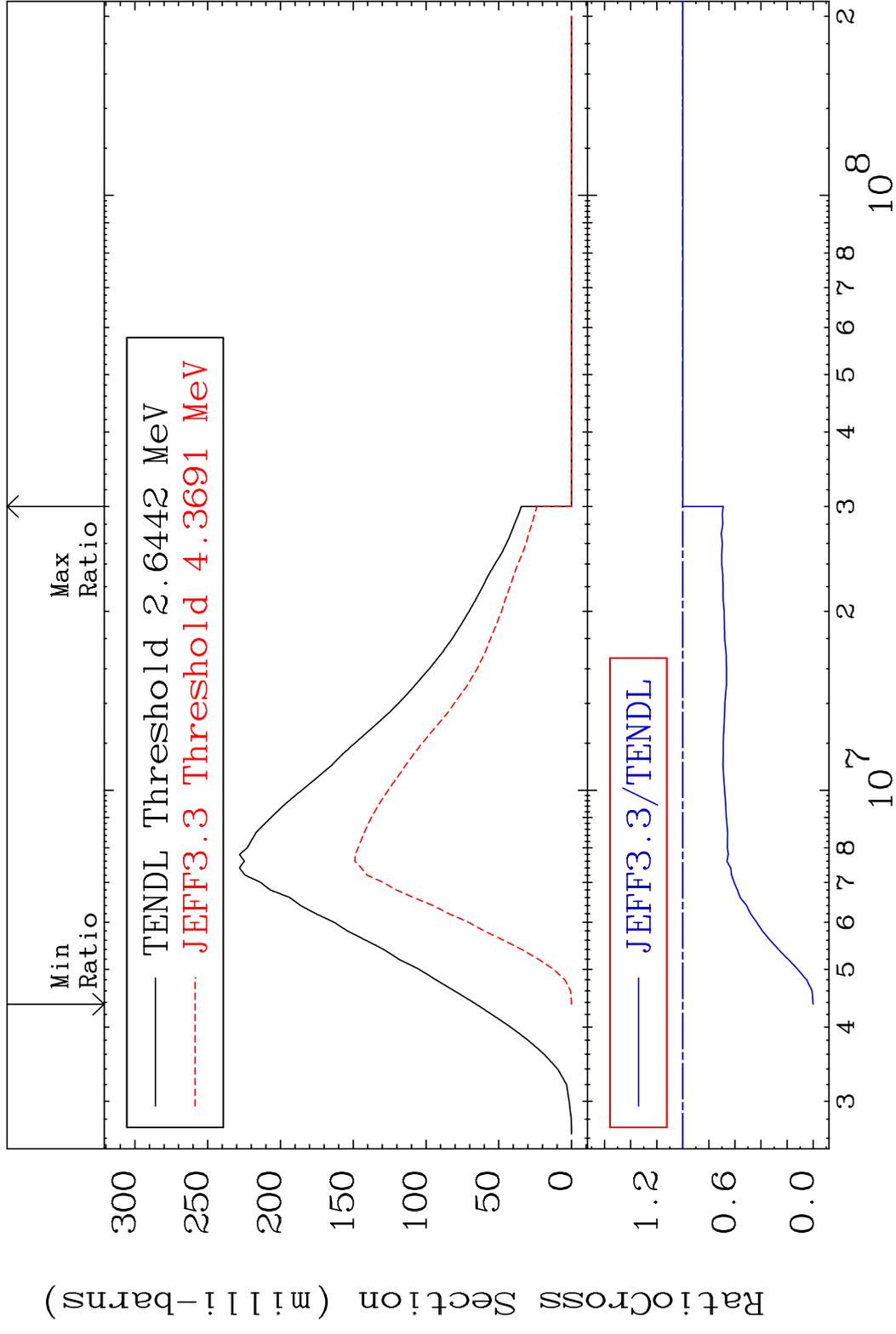
MAT 1322 MT= 59 (n, n') Level 13-Al-26
 Cross Section -100.0 To 9999. %



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



Cross Section -100.0 To 0.000 %

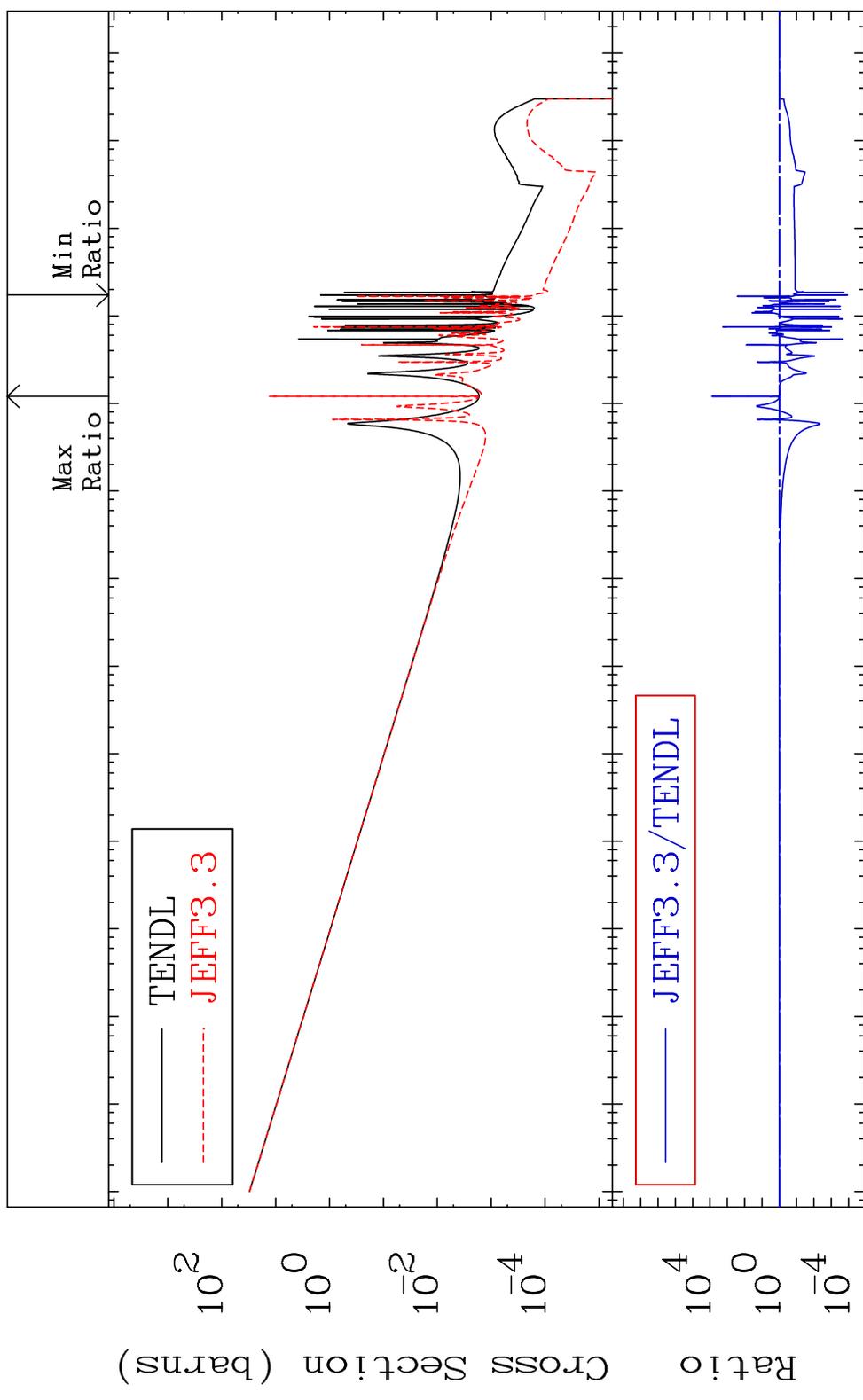


MAT 1322

(n, γ)

13-A1-26

Cross Section -99.99 To 9999. %



26

Incident Energy (eV)

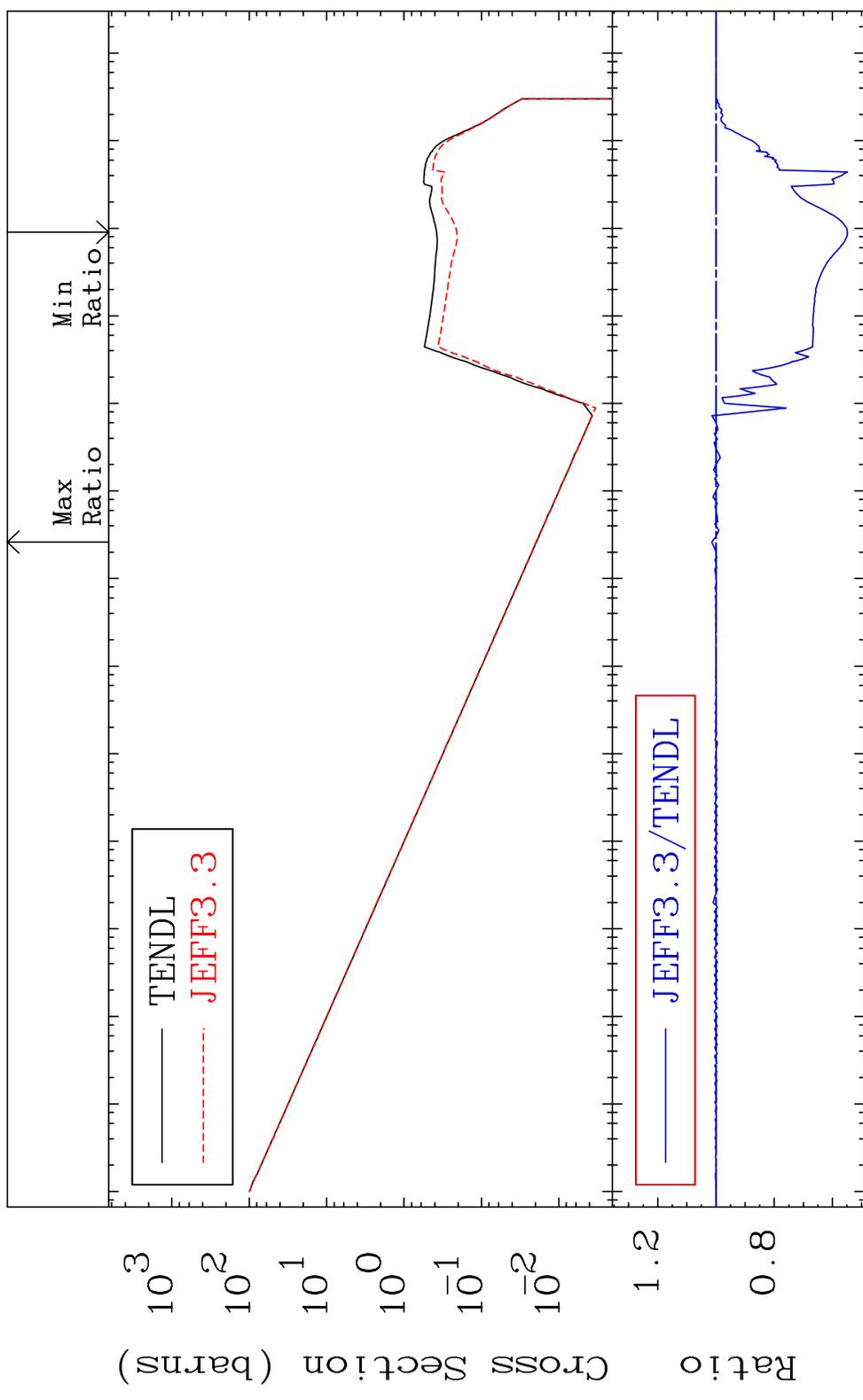
13-A1-26

MAT 1322

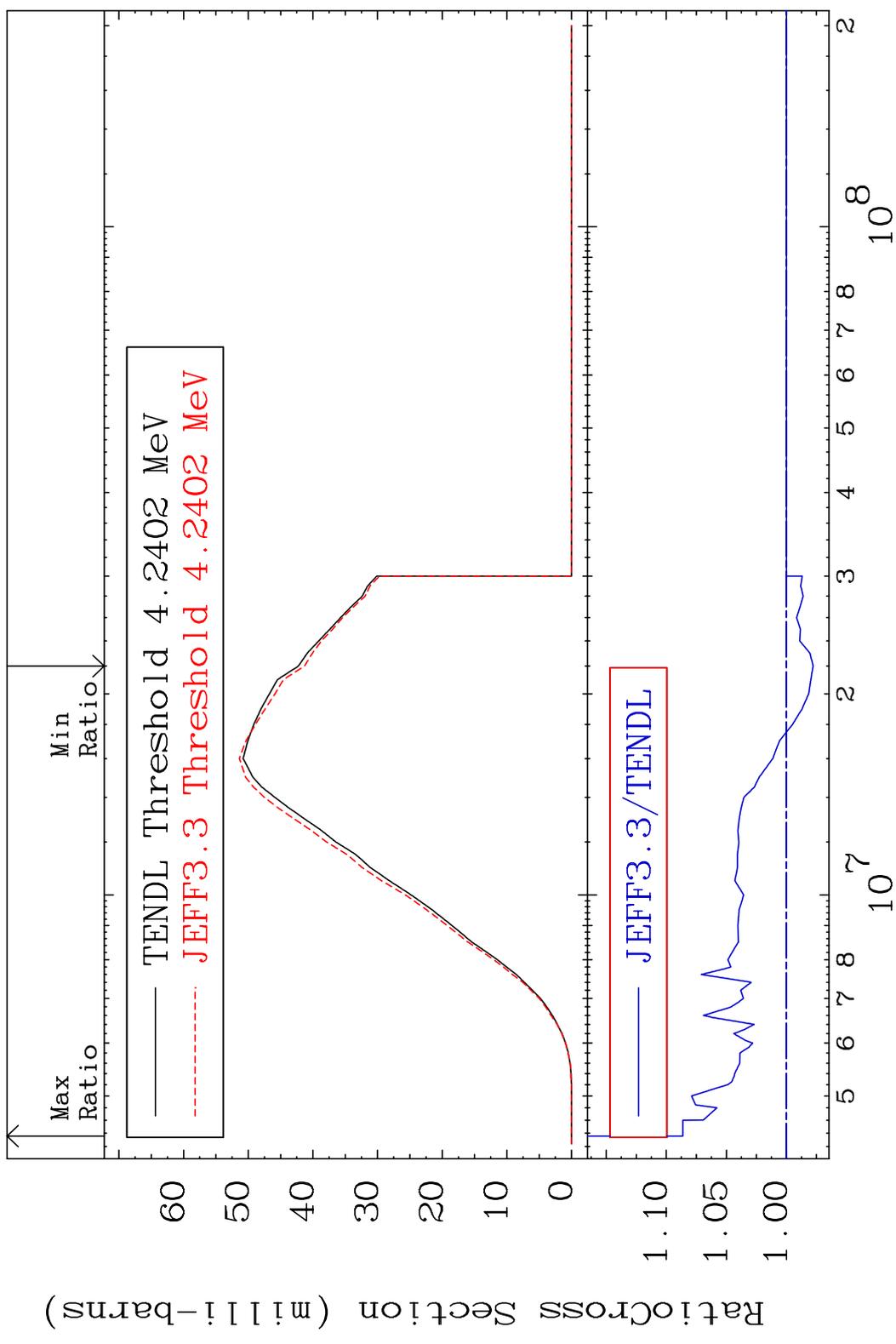
(n, p)

13-Al-26

Cross Section -45.20 To 1.451 %



Cross Section -2.221 To 8.623 %

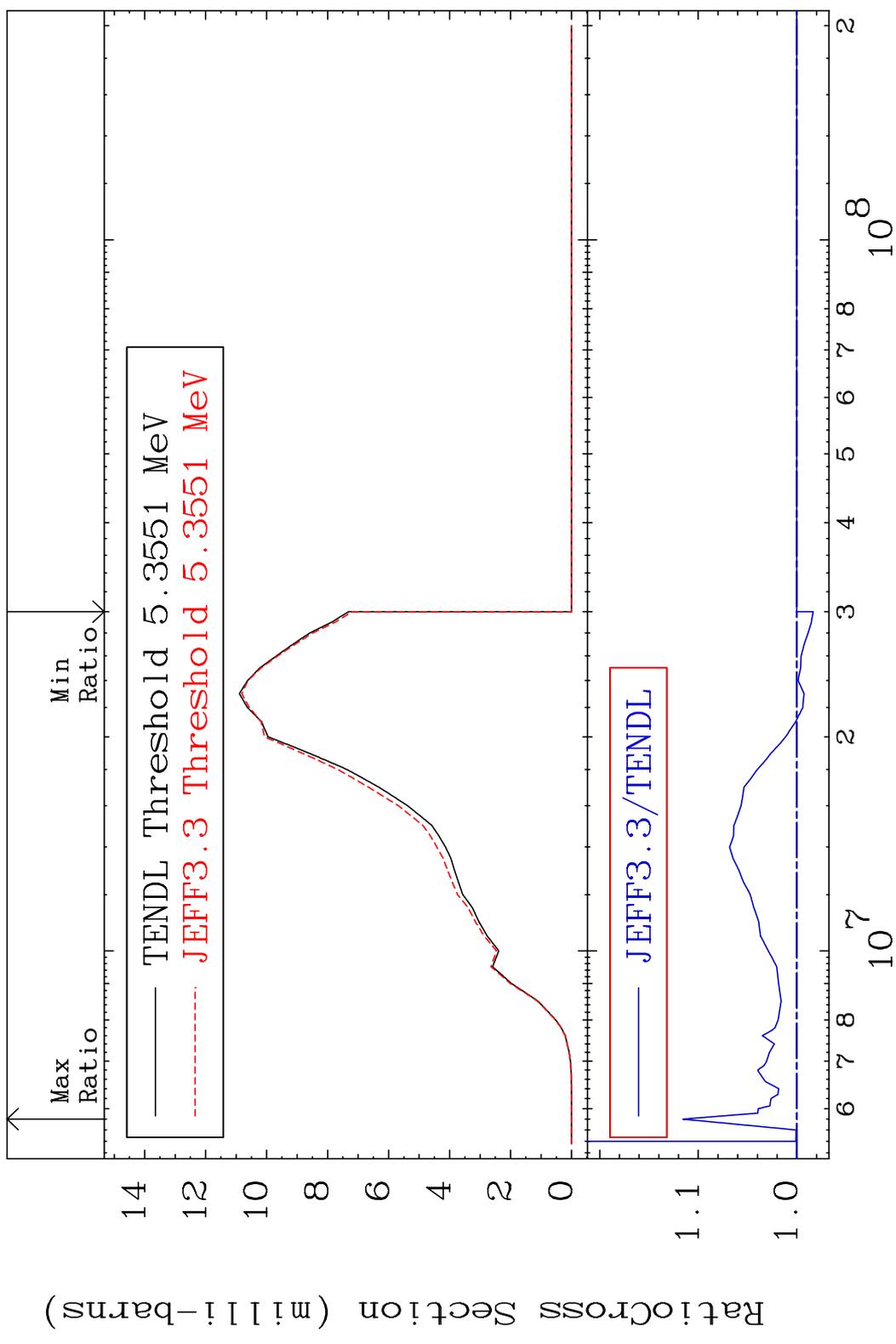


MAT 1322

(n, t)

13-A1-26

Cross Section -1.657 To 11.57 %

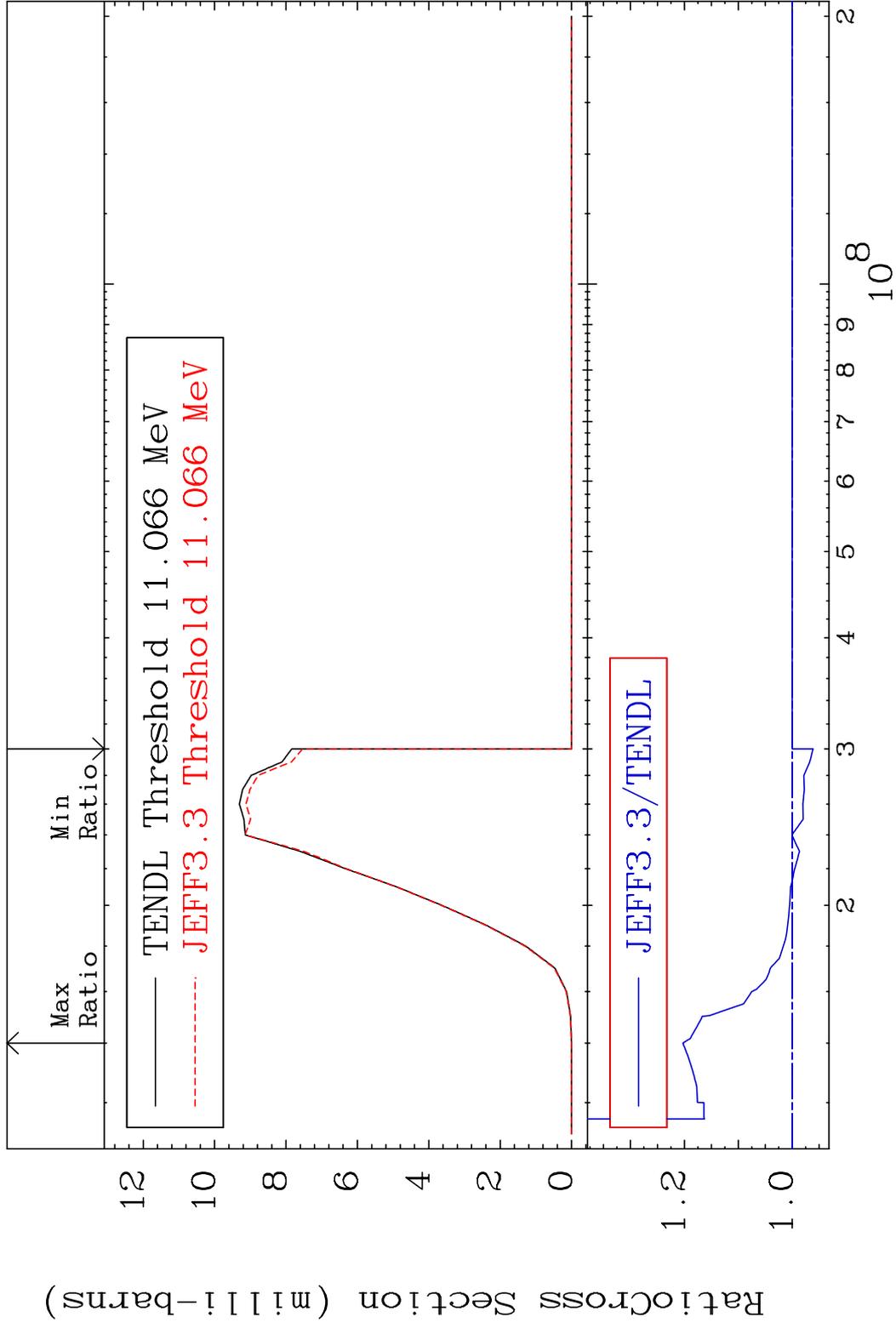


29

Incident Energy (eV)

13-A1-26

Cross Section -3.888 To 20.29 %

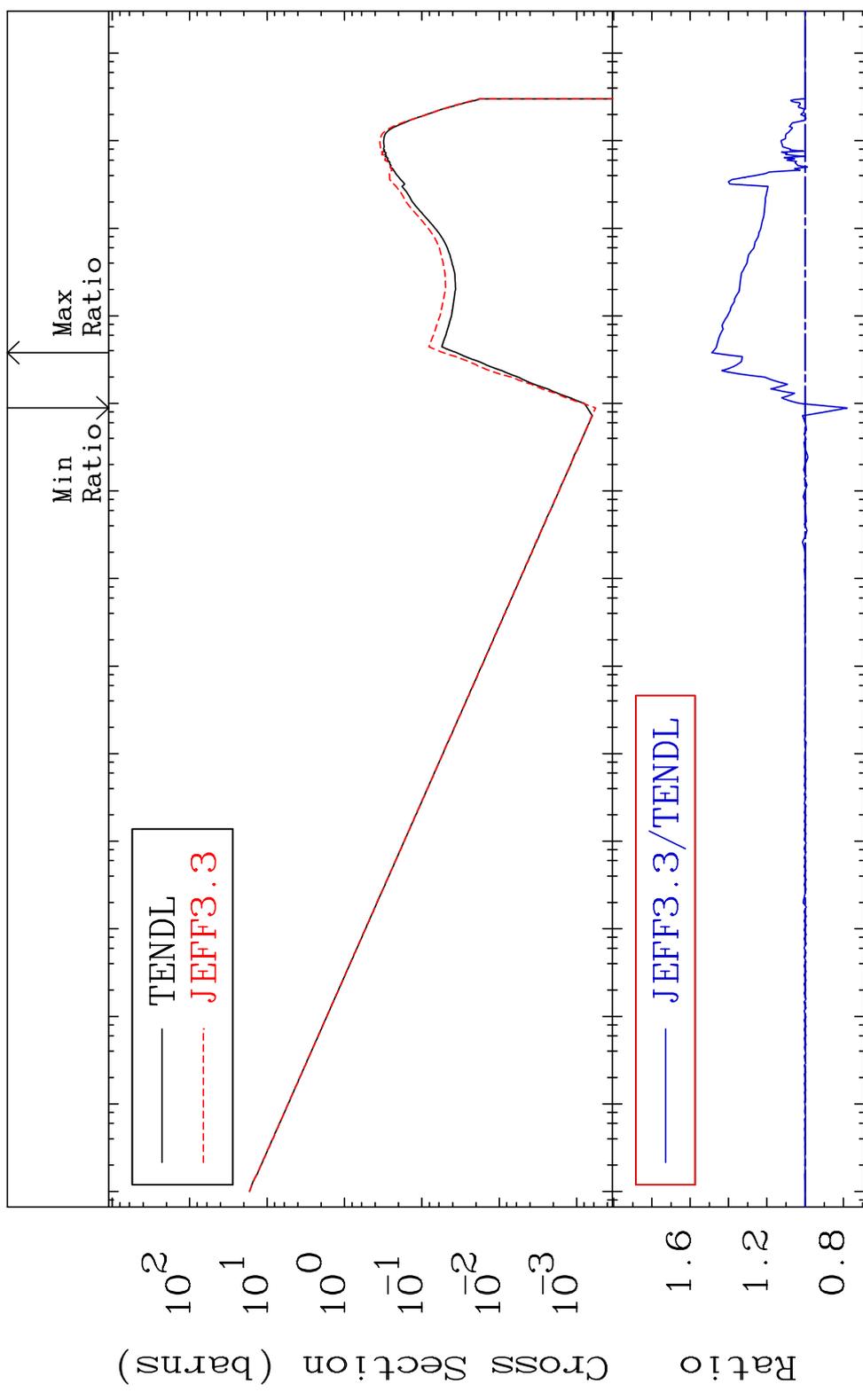


MAT 1322

(n, α)

13-A1-26

Cross Section -22.16 To 48.76 %

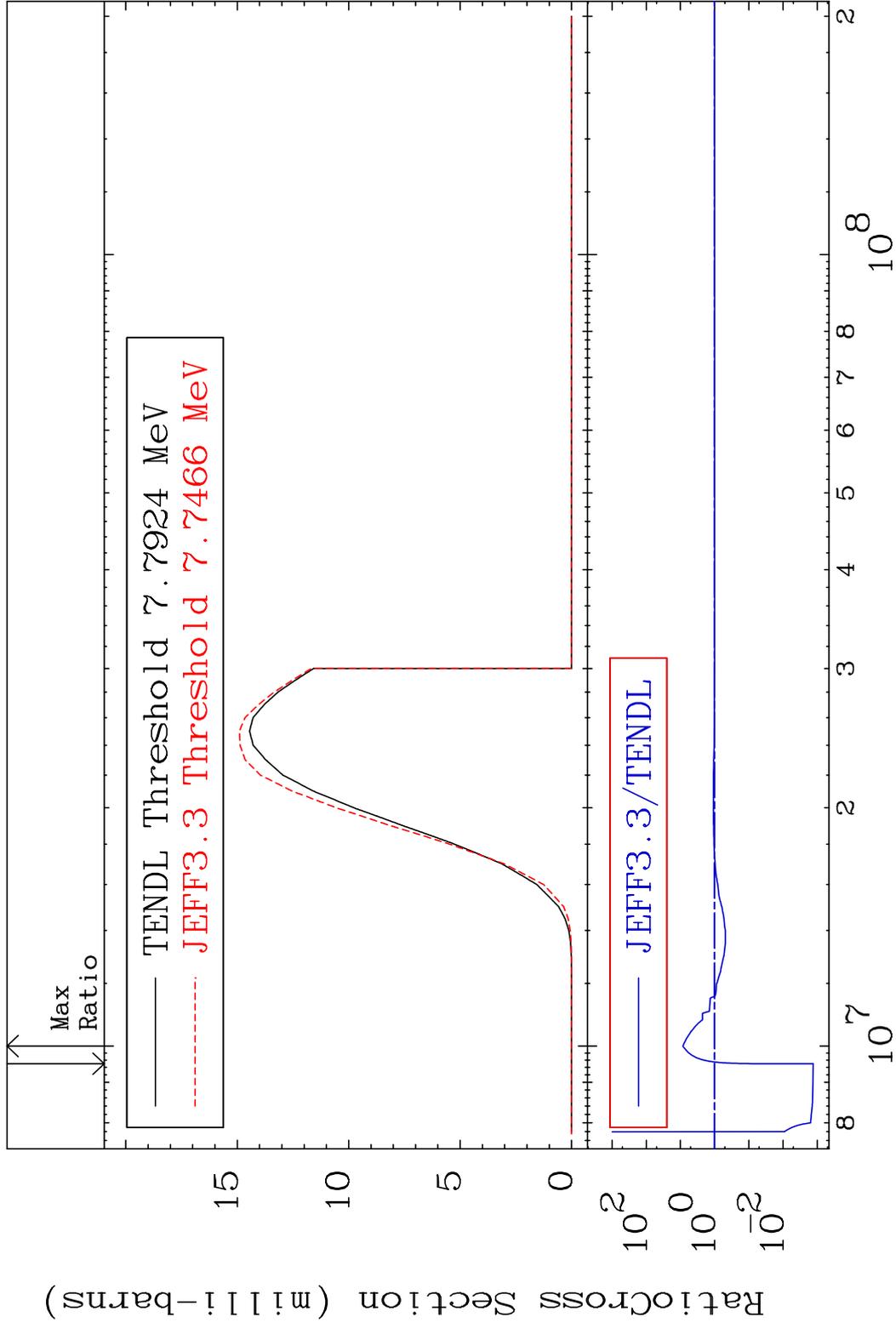


MAT 1322

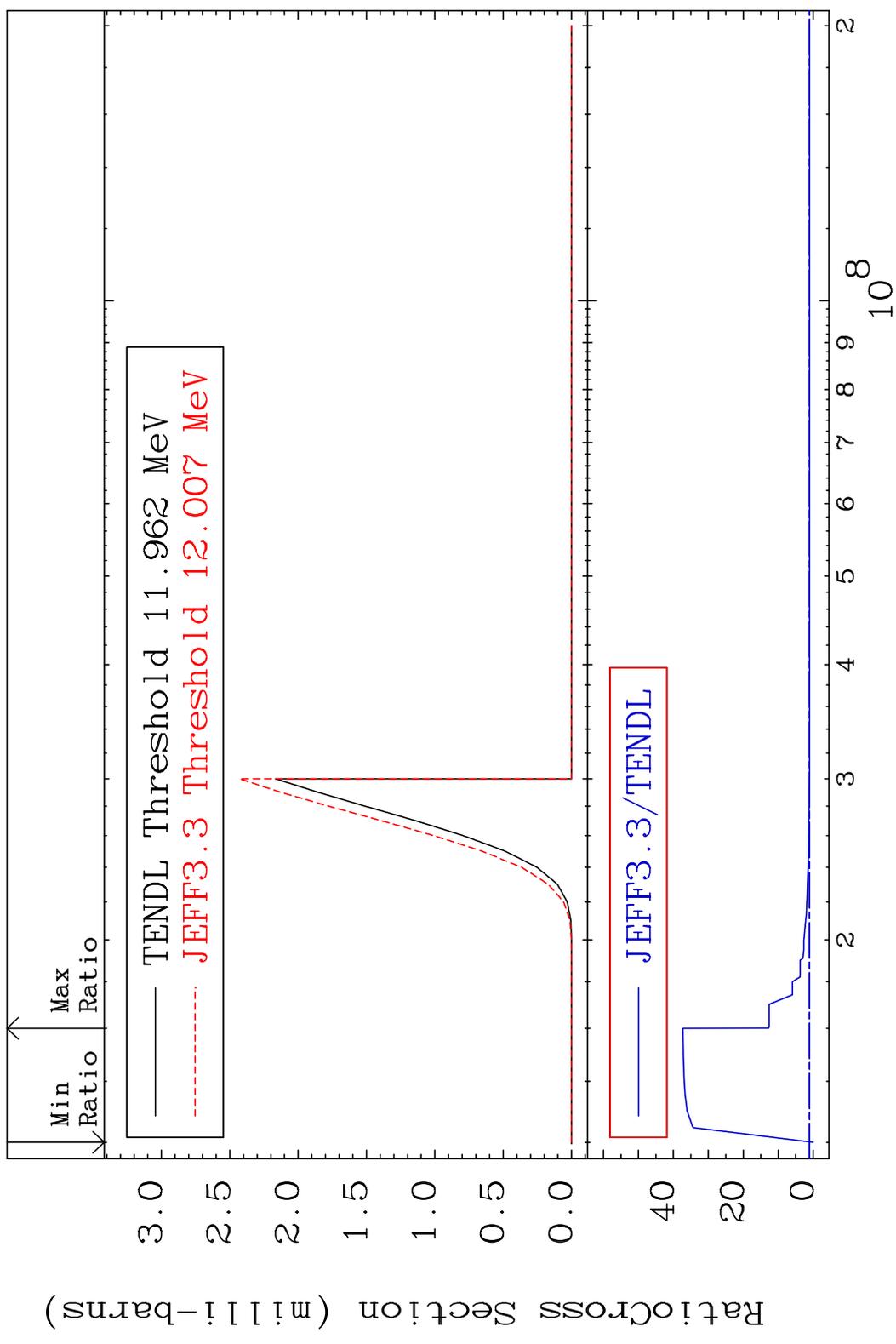
(n,2α)

13-A1-26

Cross Section -99.87 To 751.3 %



Cross Section -100.0 To 3629. %

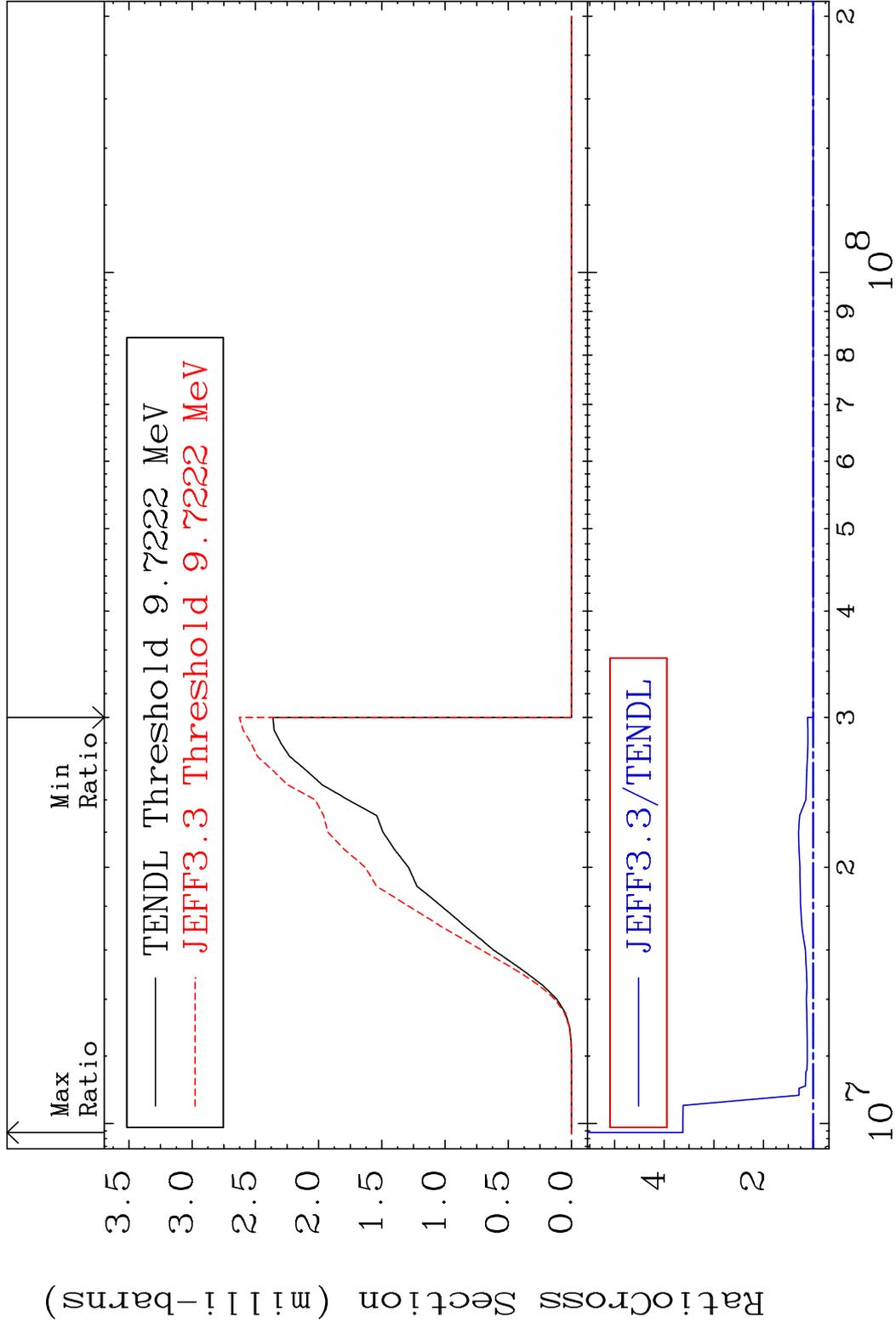


MAT 1322

(n,2p)

13-A1-26

Cross Section 0.000 To 262.4 %



34

Incident Energy (eV)

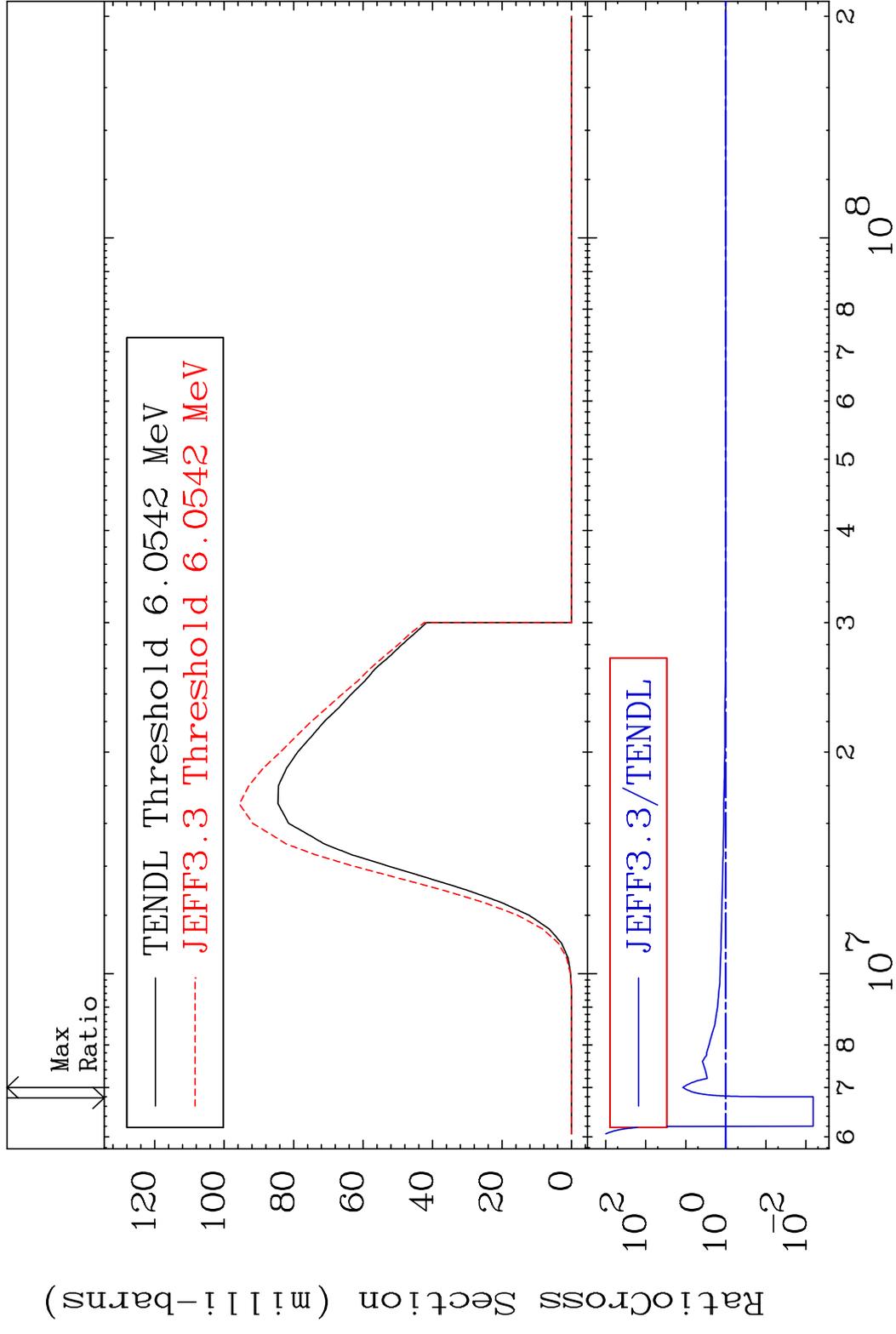
13-A1-26

MAT 1322

(n,p) α

13-A1-26

Cross Section -99.34 To 1083. %

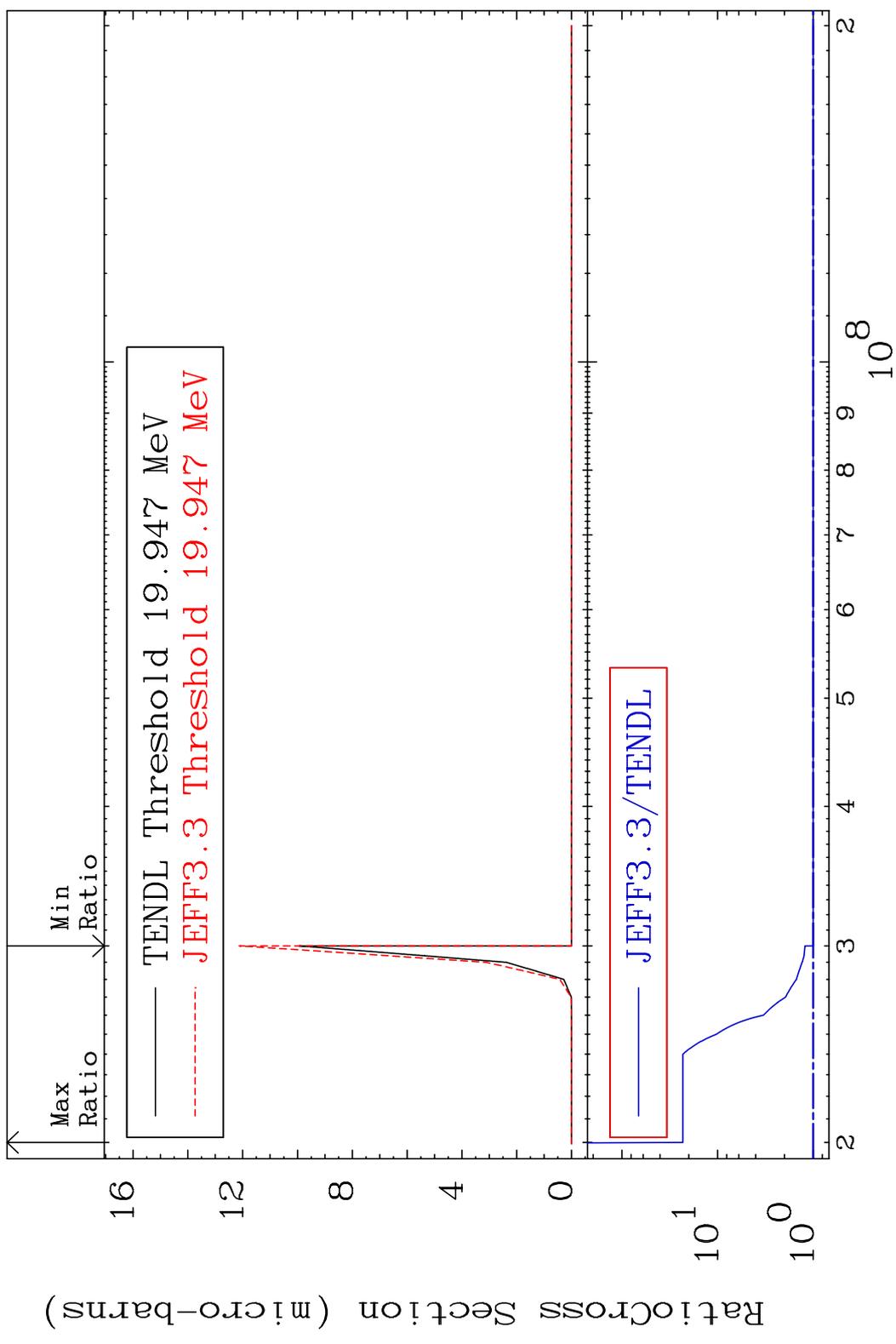


MAT 1322

(n, t) 2α

13-A1-26

Cross Section 0.000 To 2205. %

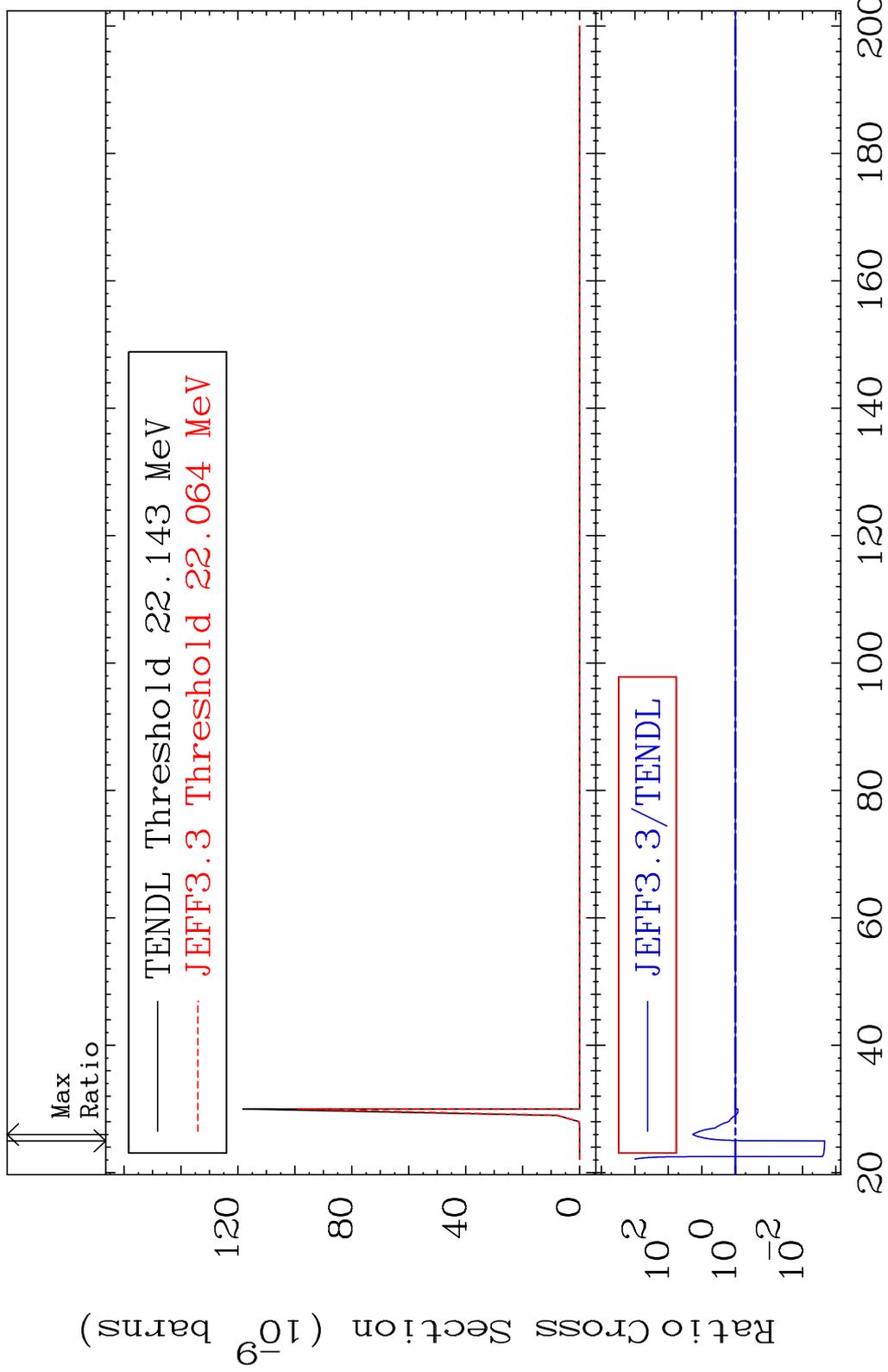


MAT 1322

(n, d) ^{26}Al

13-A1-26

Cross Section -99.78 To 1797. %

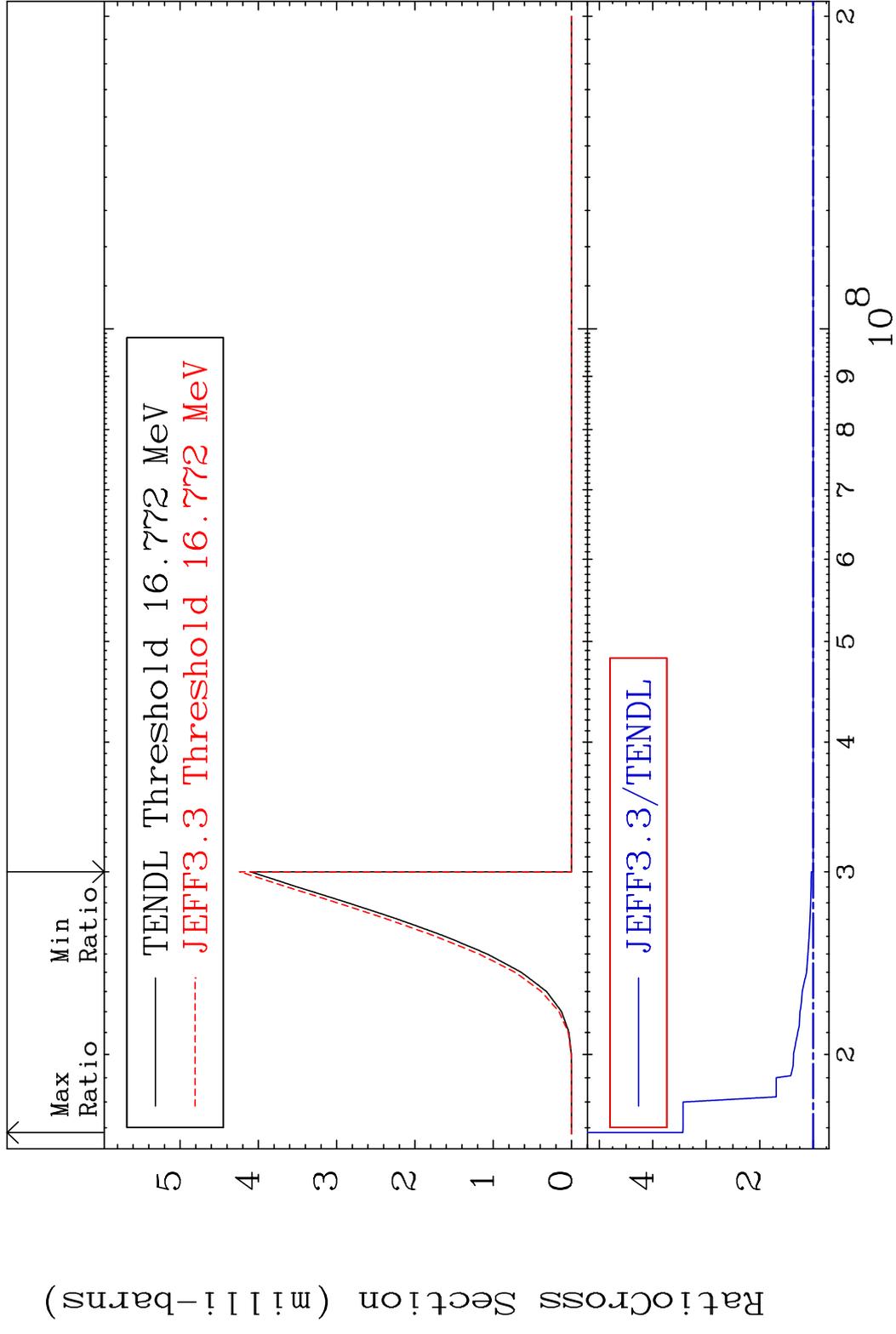


MAT 1322

(n,p) d

13-A1-26

Cross Section 0.000 To 243.7 %

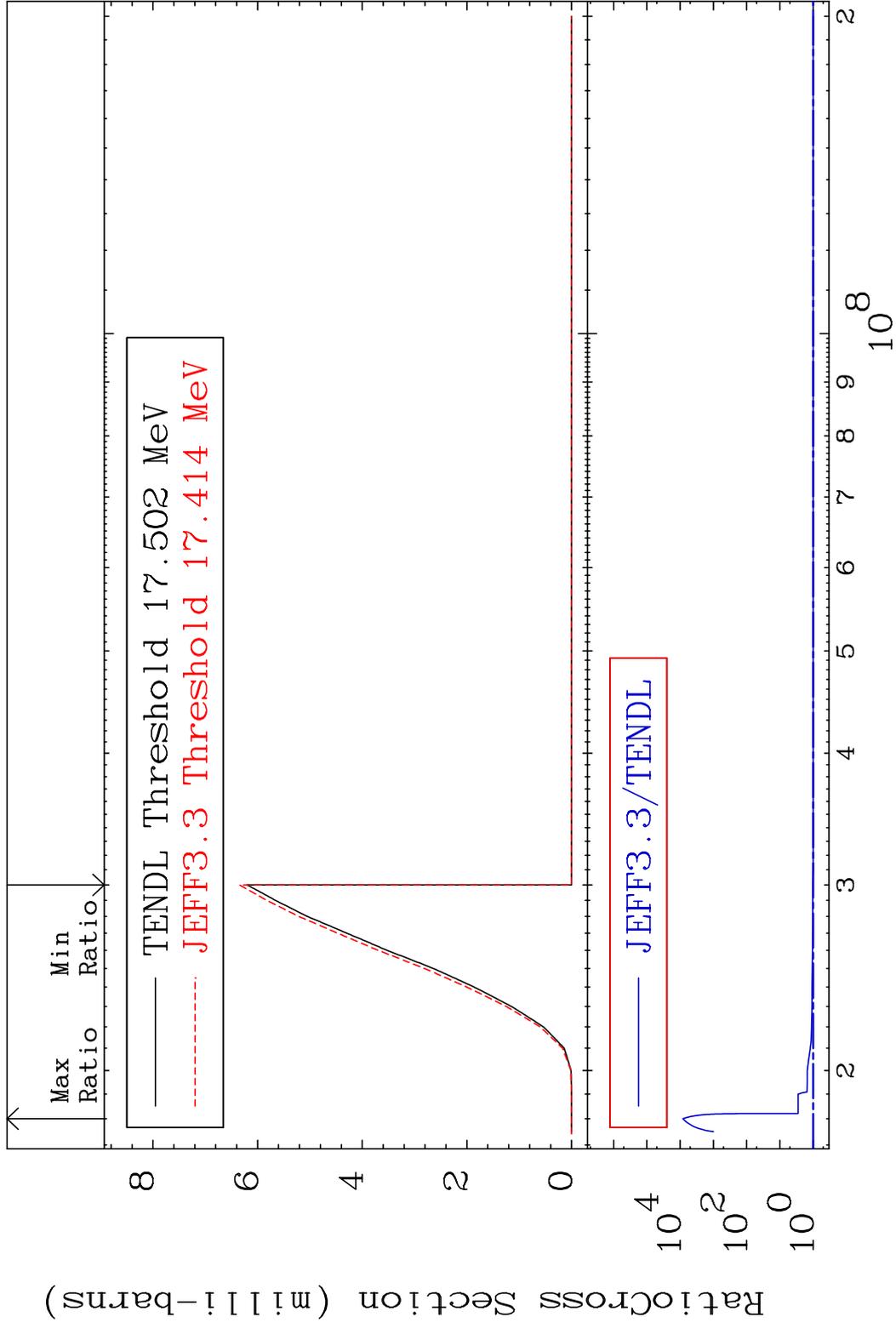


MAT 1322

(n,p) t

13-A1-26

Cross Section 0.000 To 9999. %

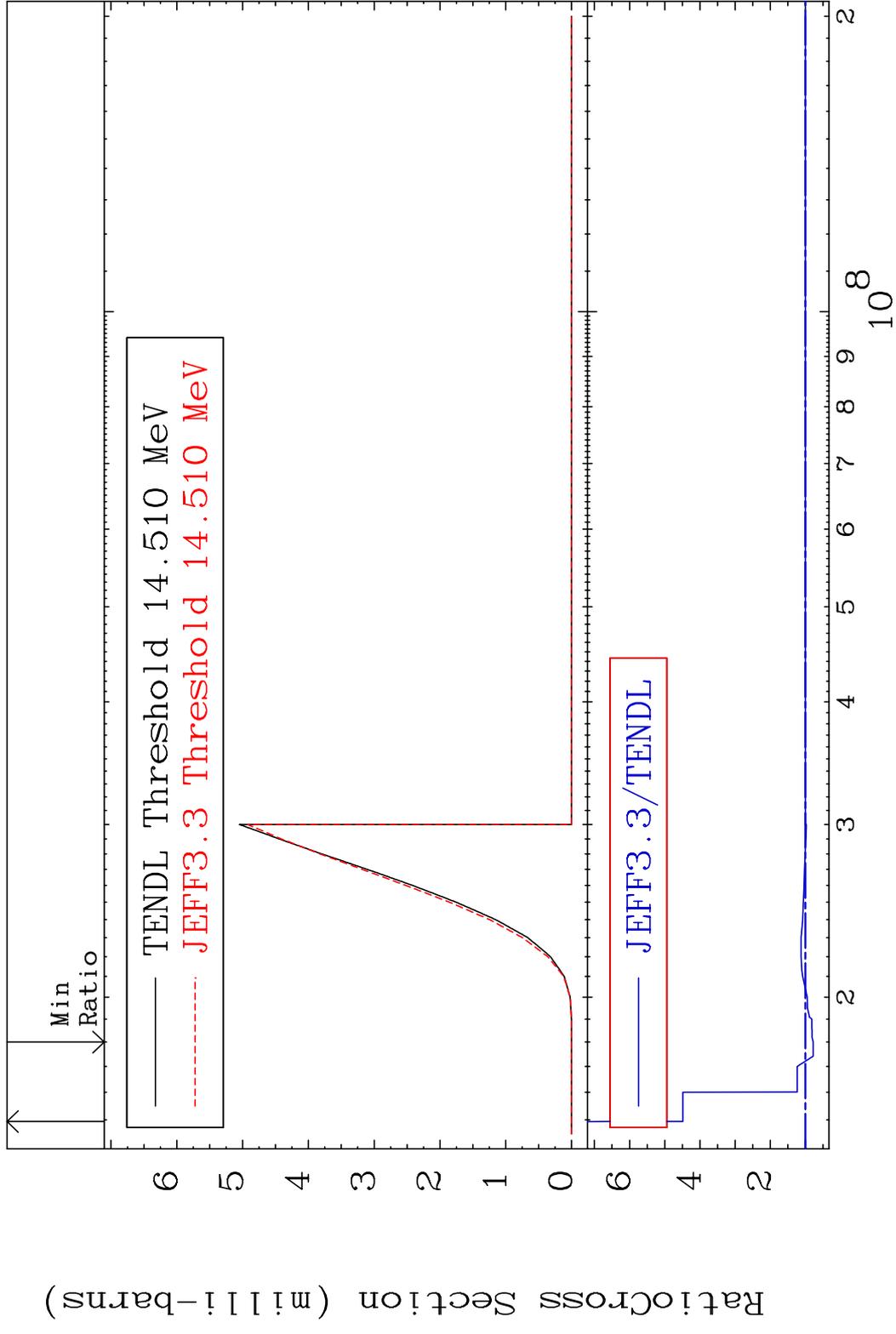


MAT 1322

(n,d) α

13-A1-26

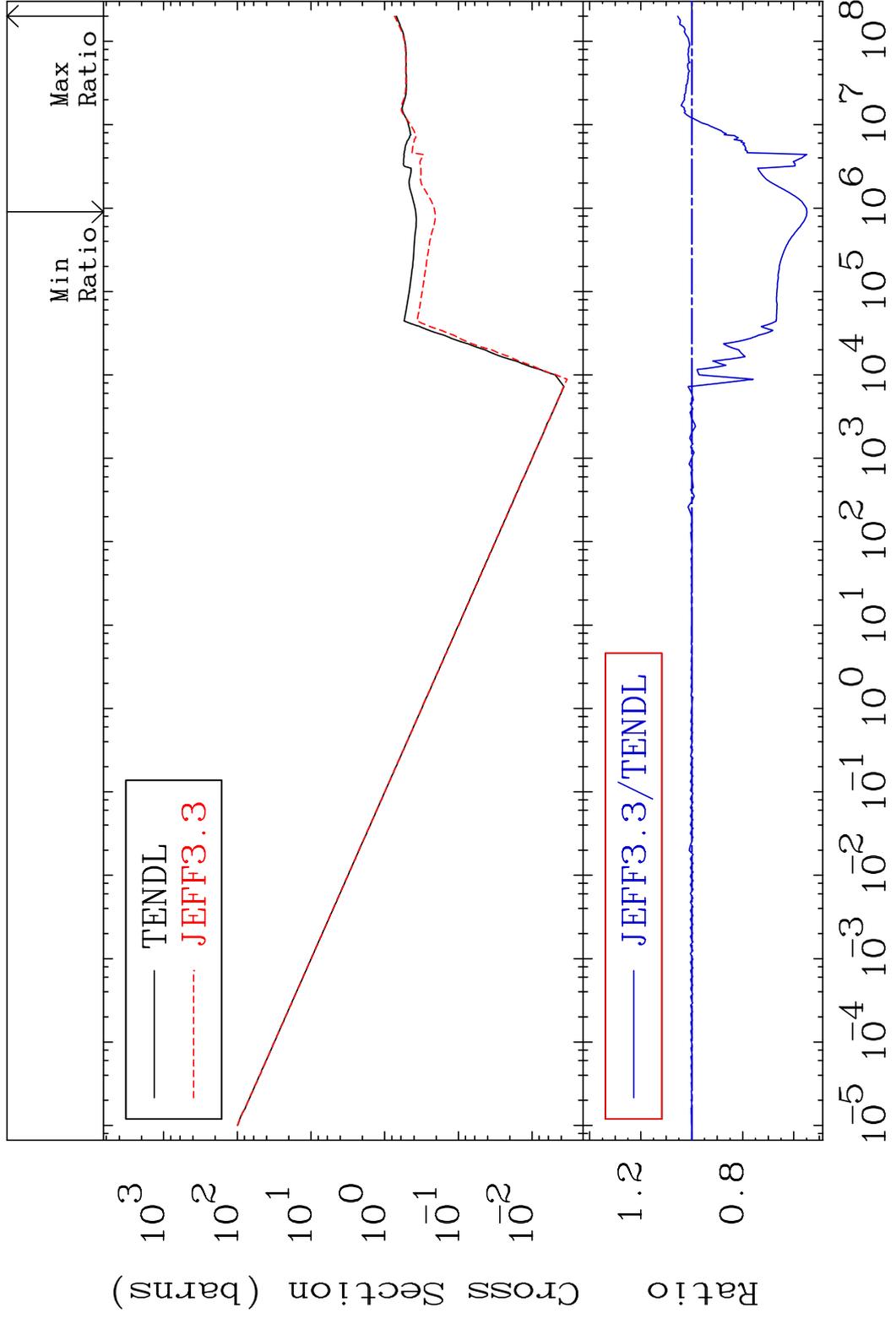
Cross Section -21.75 To 348.6 %



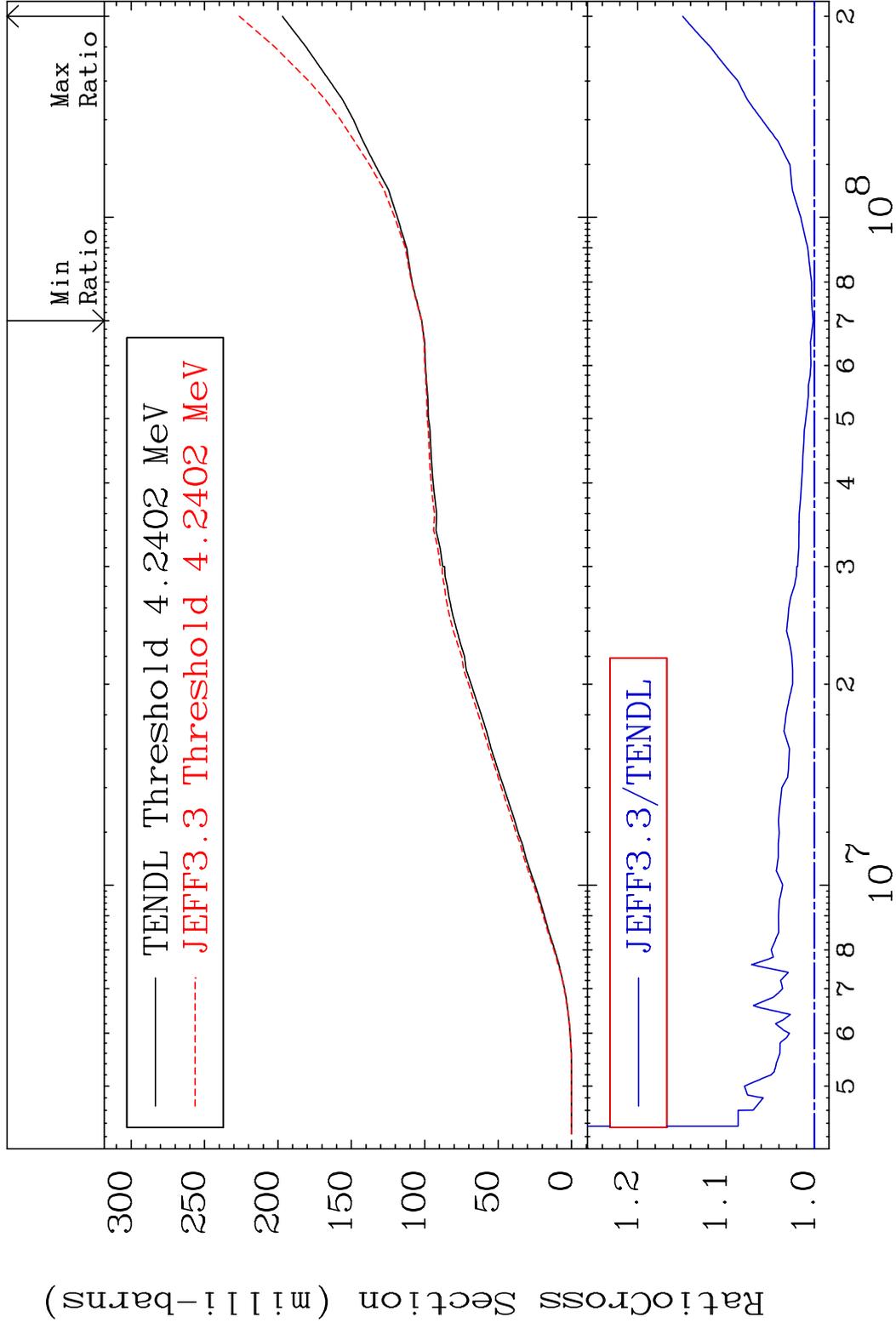
40

Incident Energy (eV)

13-A1-26



Cross Section 0.125 To 14.88 %

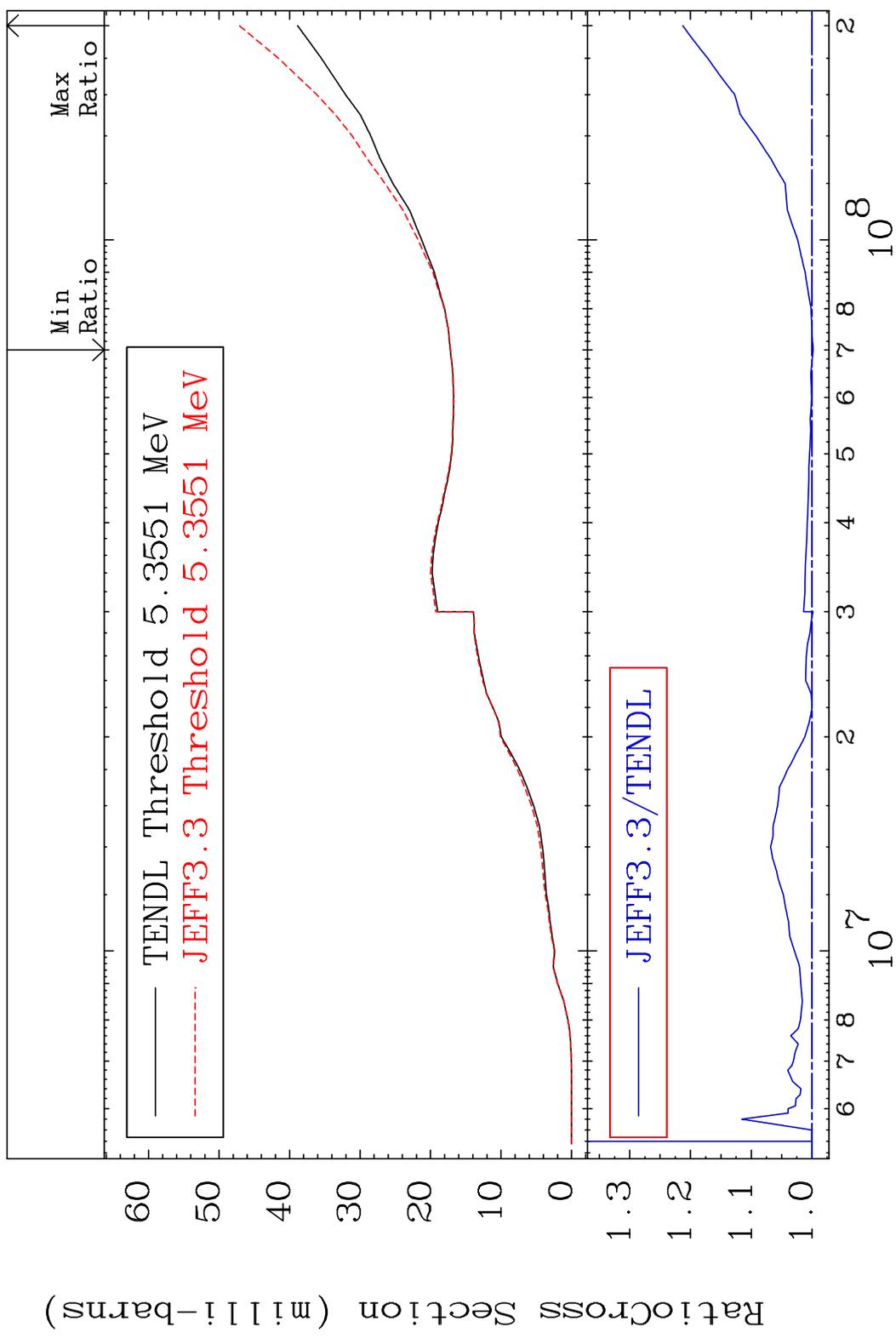


MAT 1322

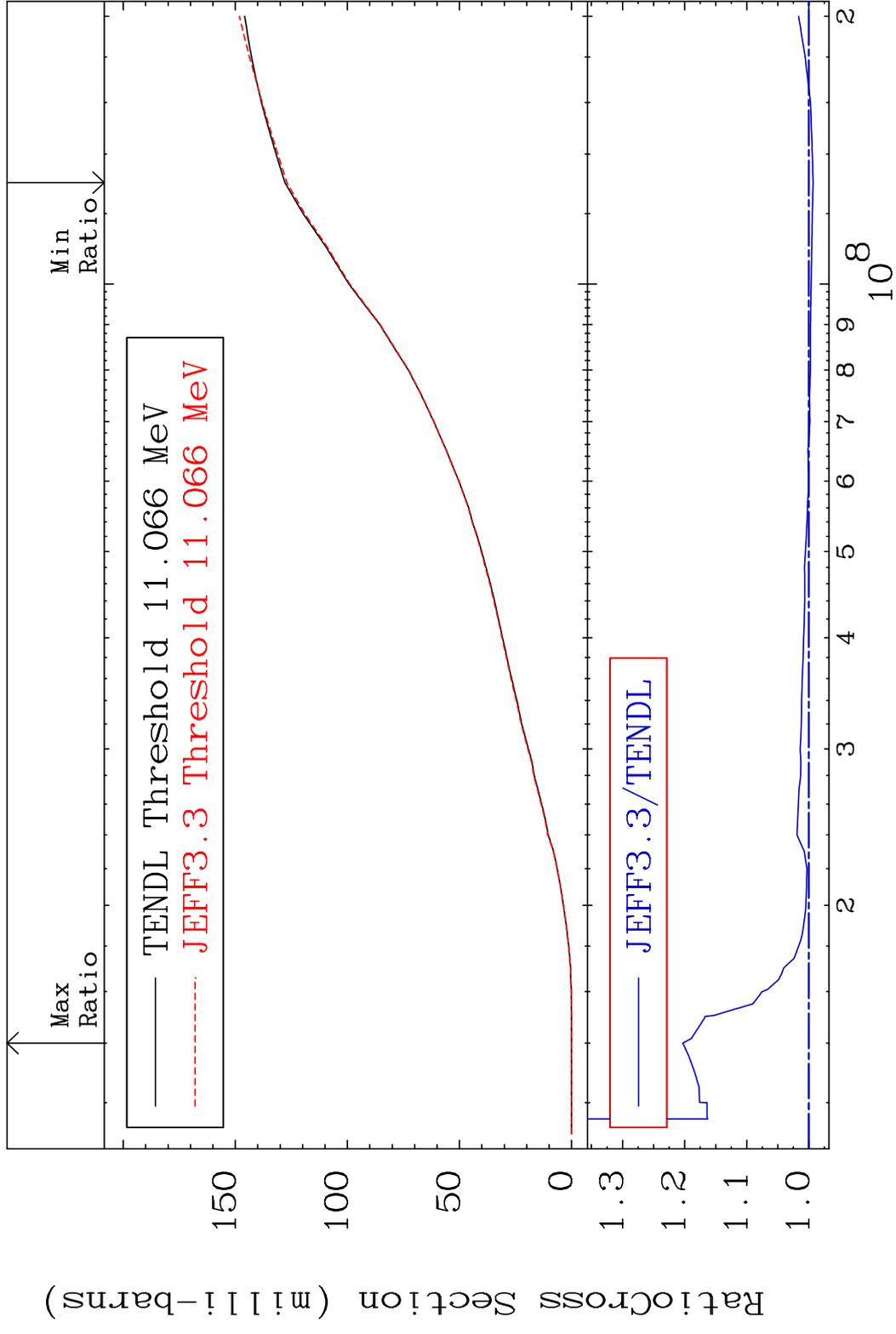
Tritium Production

13-A1-26

Cross Section -0.186 To 21.26 %



Cross Section -0.696 To 20.29 %

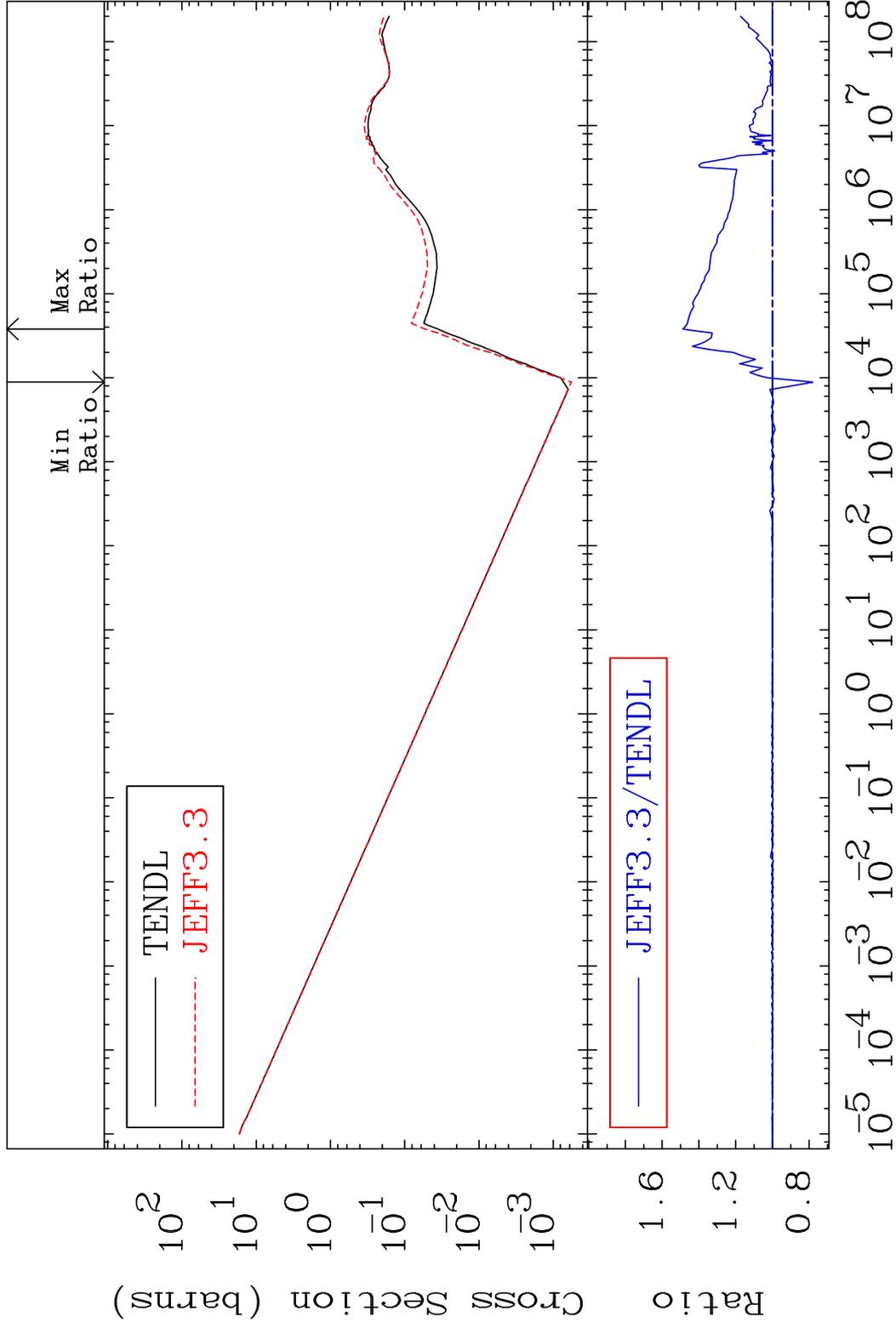


MAT 1322

He-4 Production

13-A1-26

Cross Section -22.16 To 48.76 %



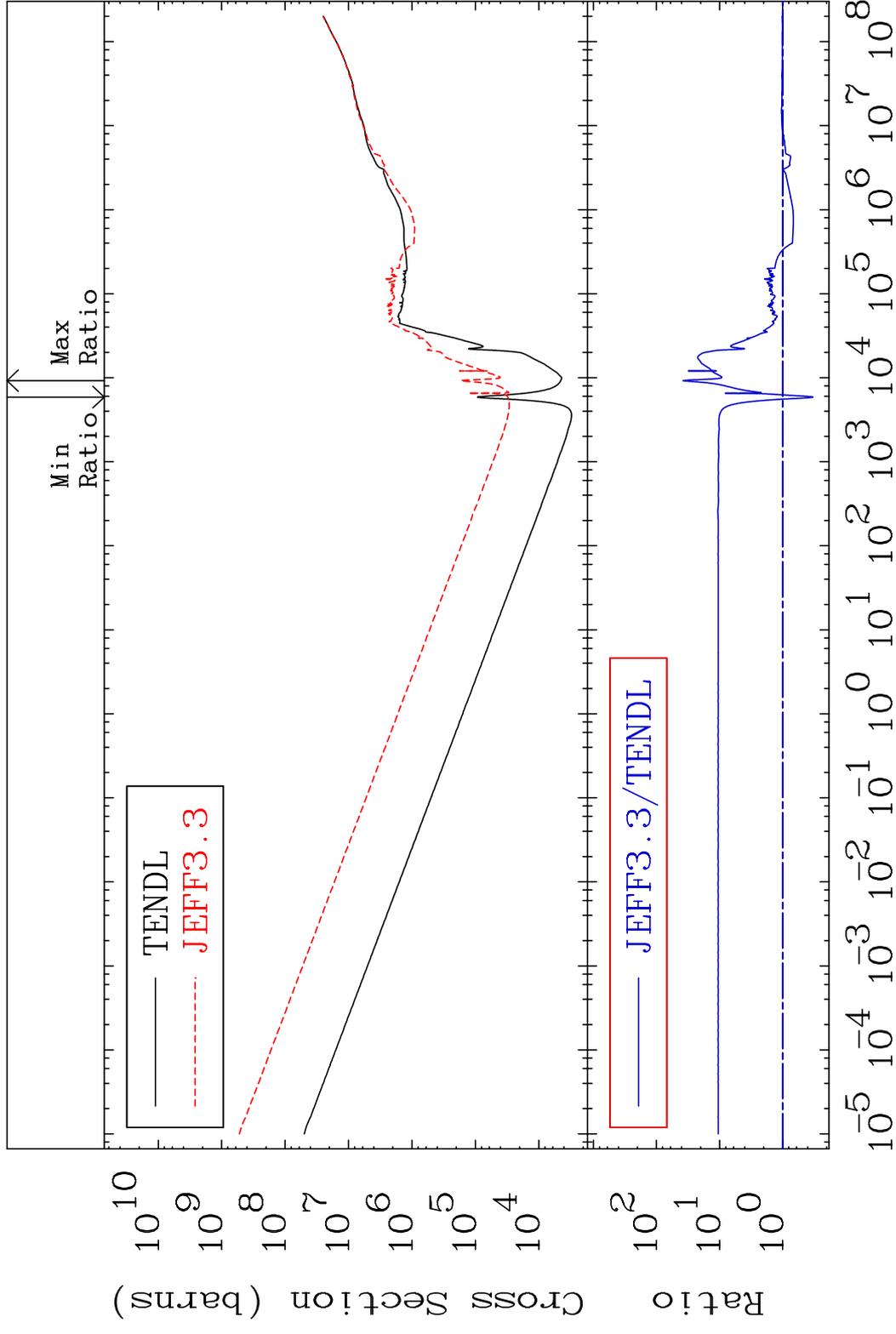
45

Incident Energy (eV)

13-A1-26

MAT 1322

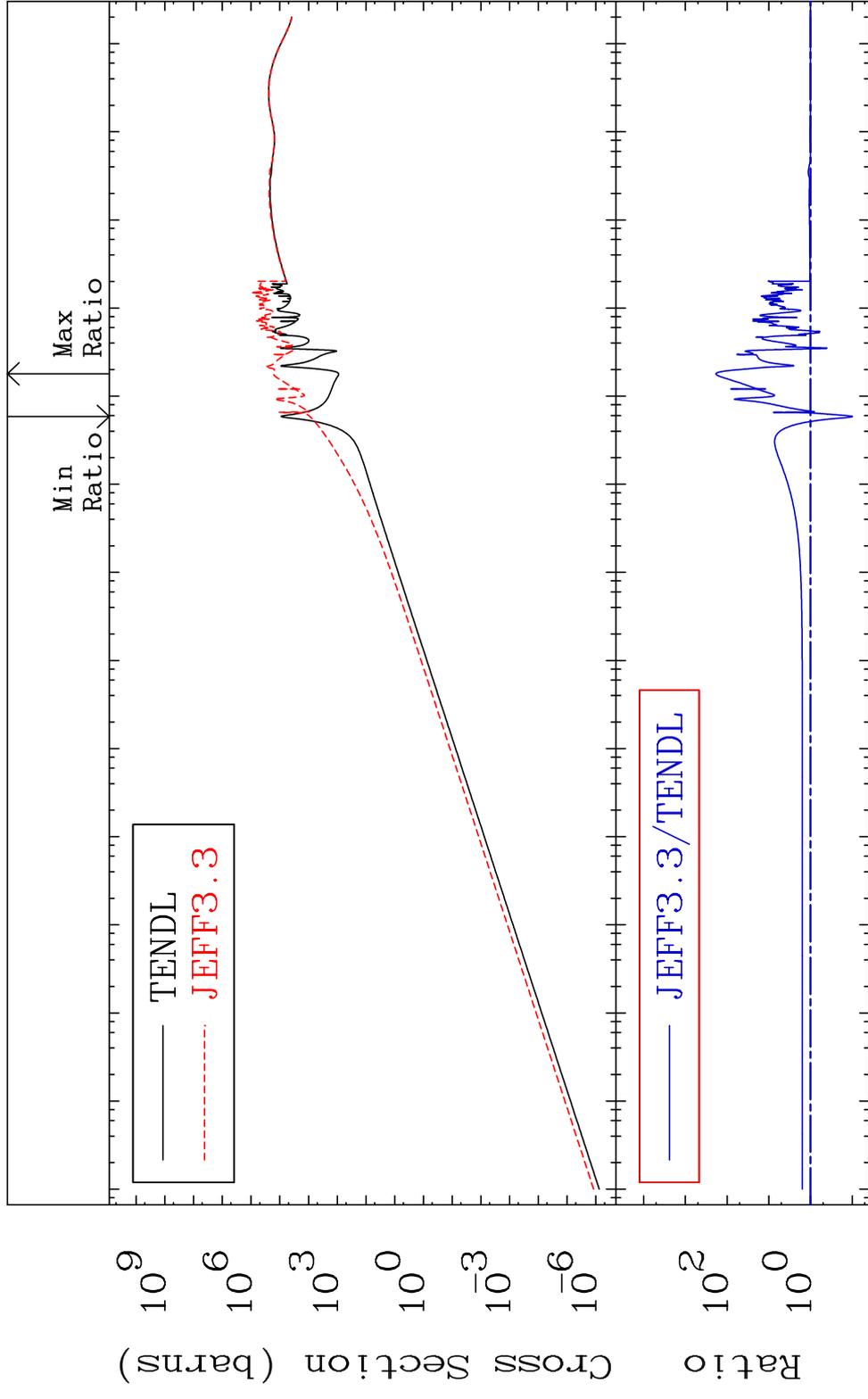
Kerma total (eV-barns) 13-A1-26
Cross Section -67.19 To 3723. %



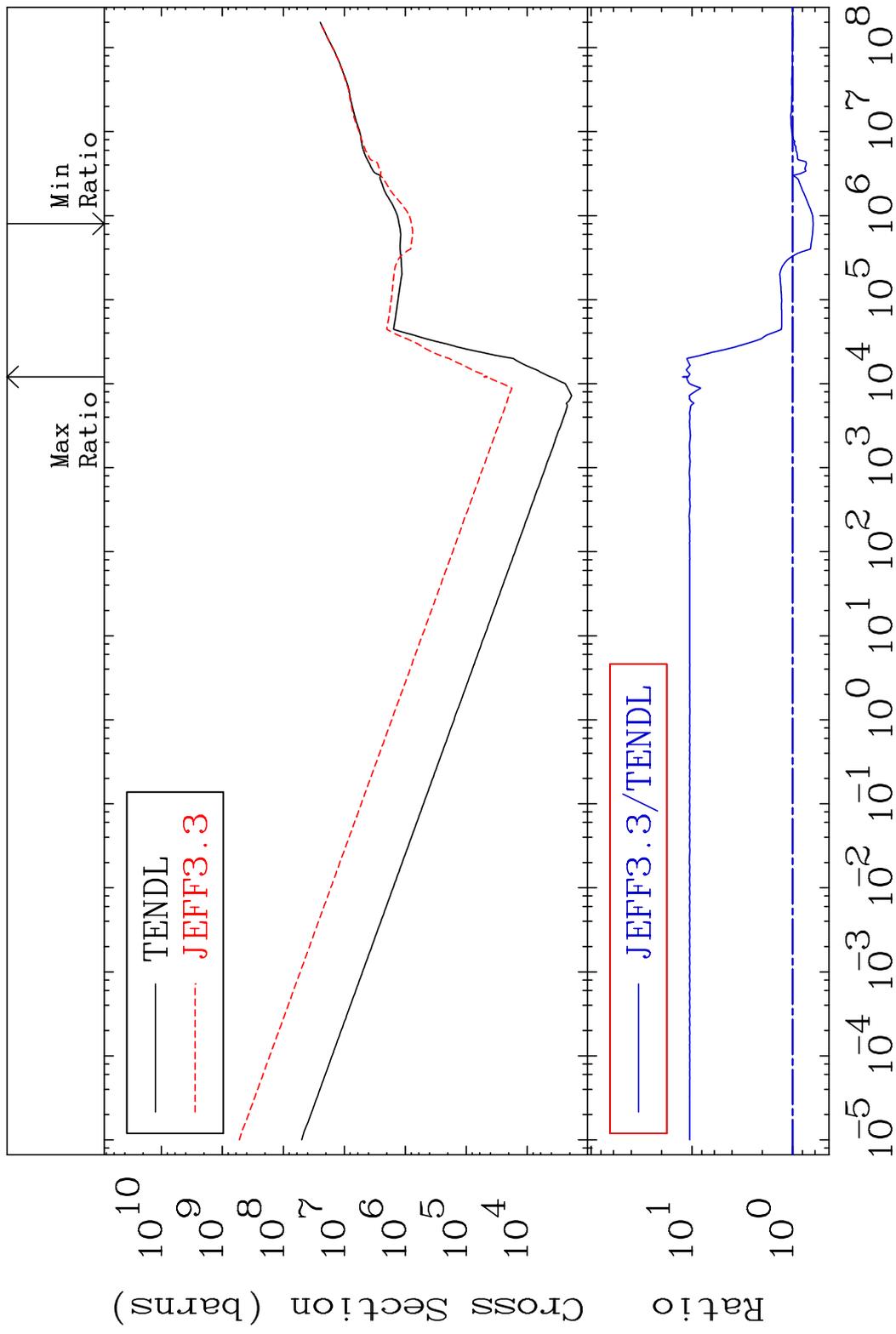
MAT 1322

Kerma elastic
Cross Section

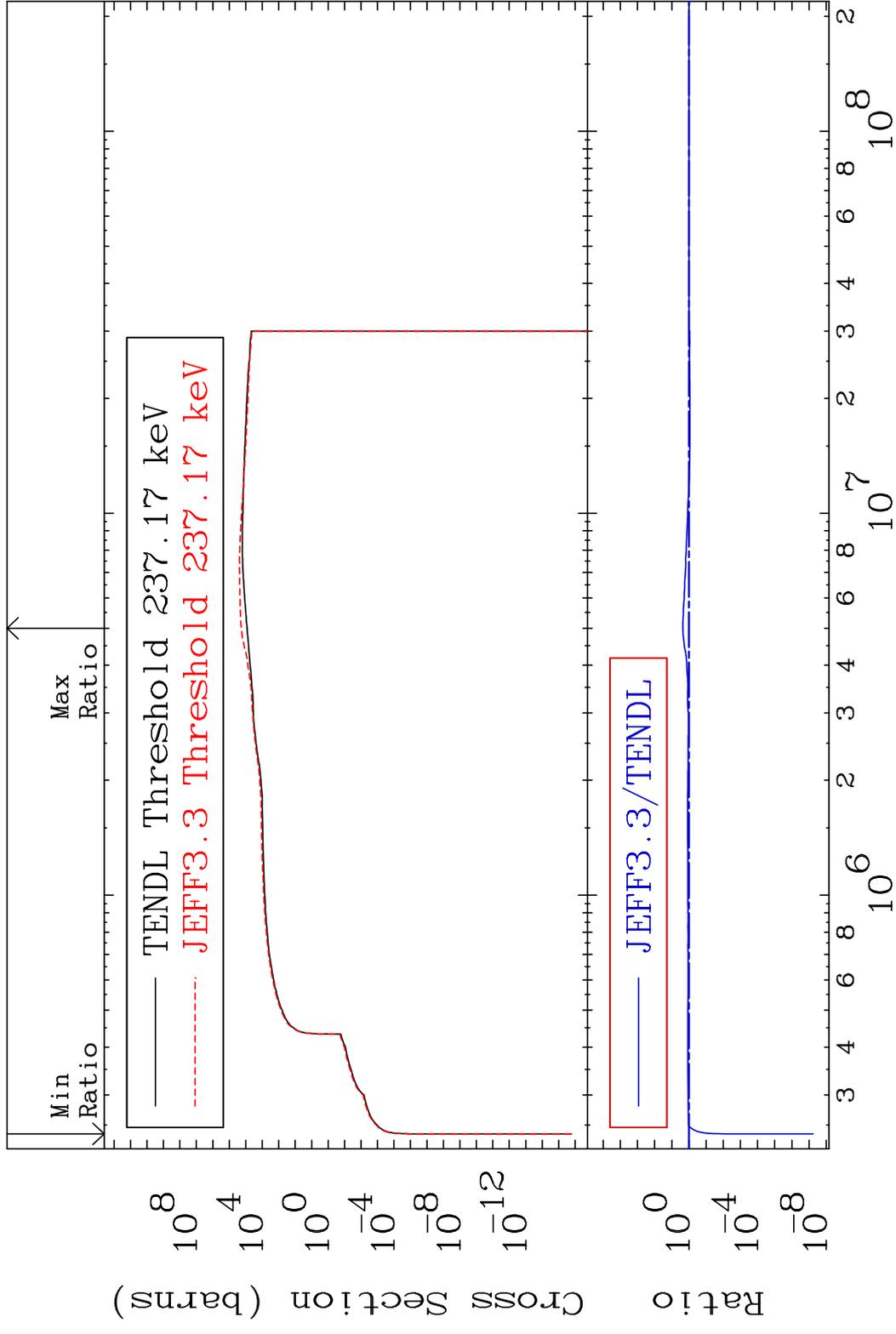
13-A1-26
-90.16 To 9999. %



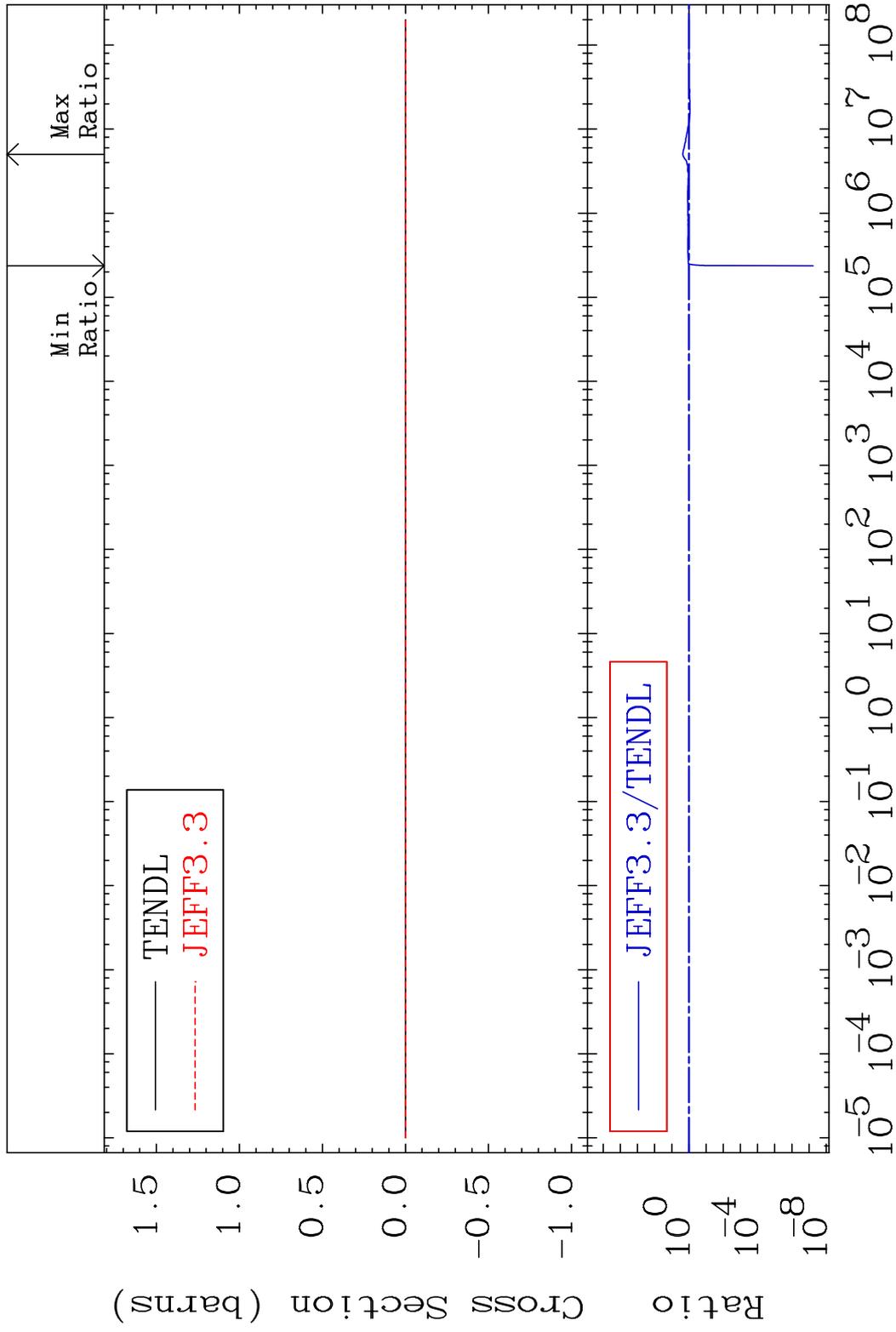
MAT 1322 Kerma non-elastic (all but mt2) 13-Al-26
 Cross Section -37.29 To 1131. %

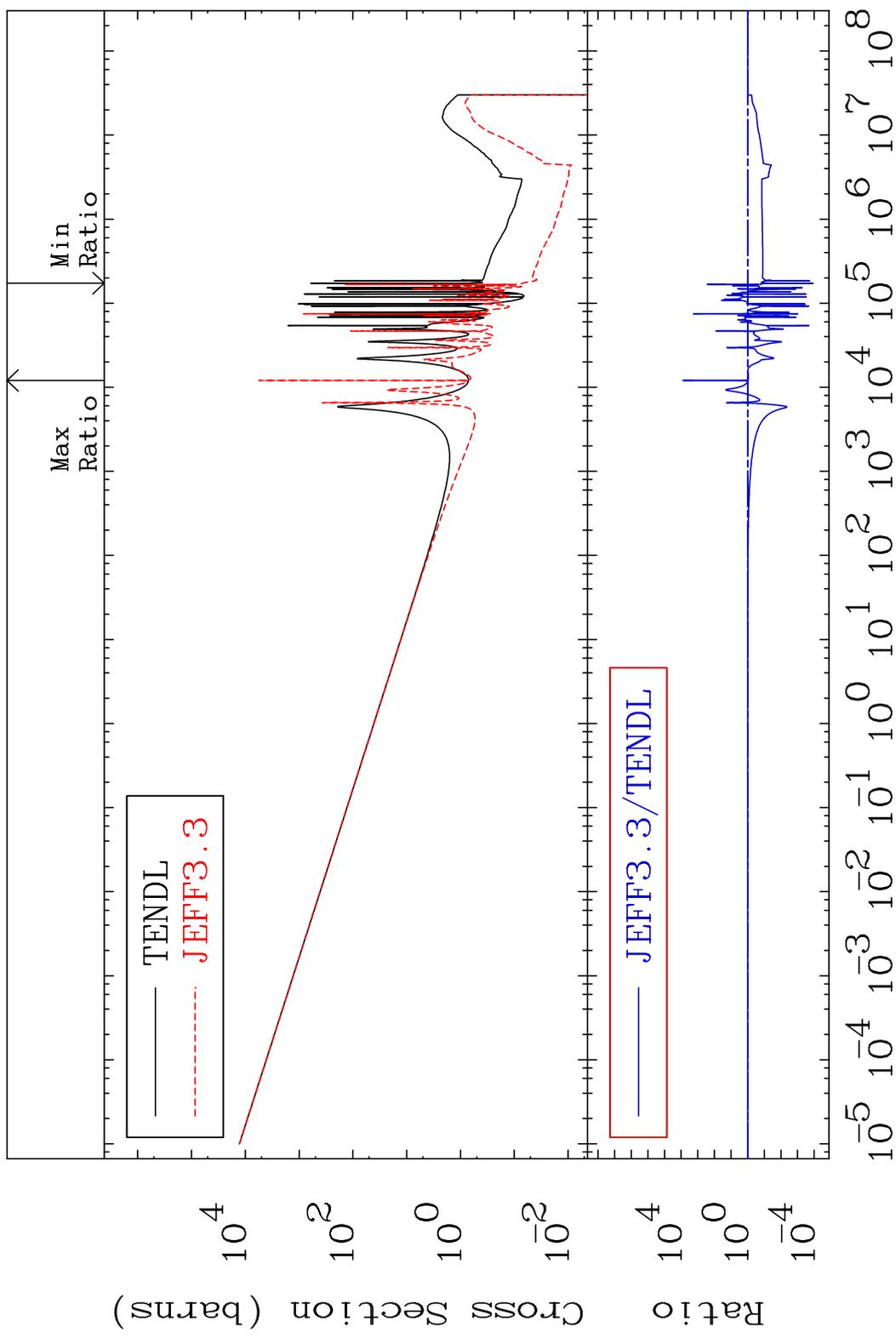


MAT 1322 Kerma inelastic (mt51-91) 13-Al-26
 Cross Section -100.0 To 128.1 %



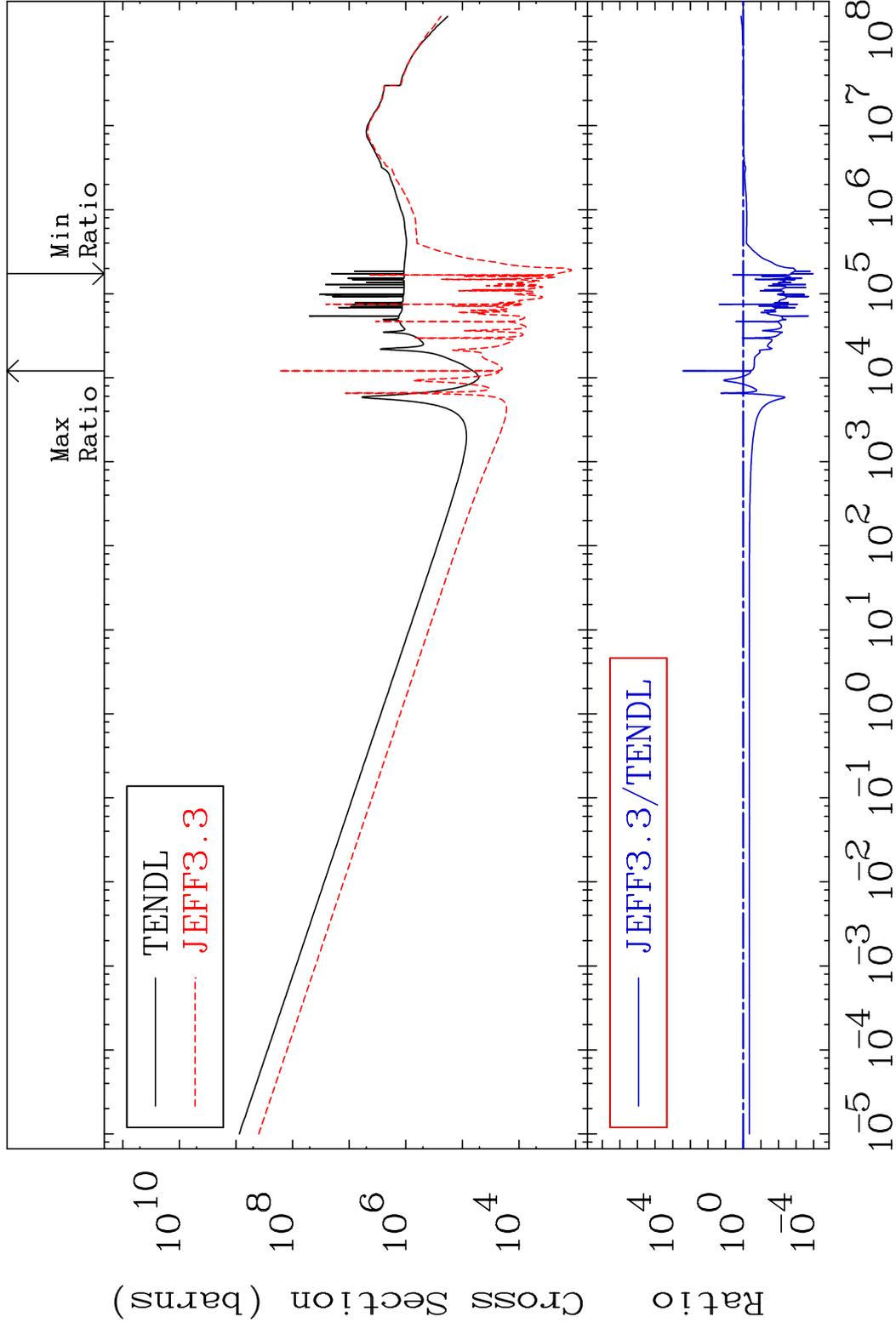
MAT 1322 Kerma fission (mt18 or mt19-20-21-38) 13-A1-26
 Cross Section -100.0 To 128.1 %



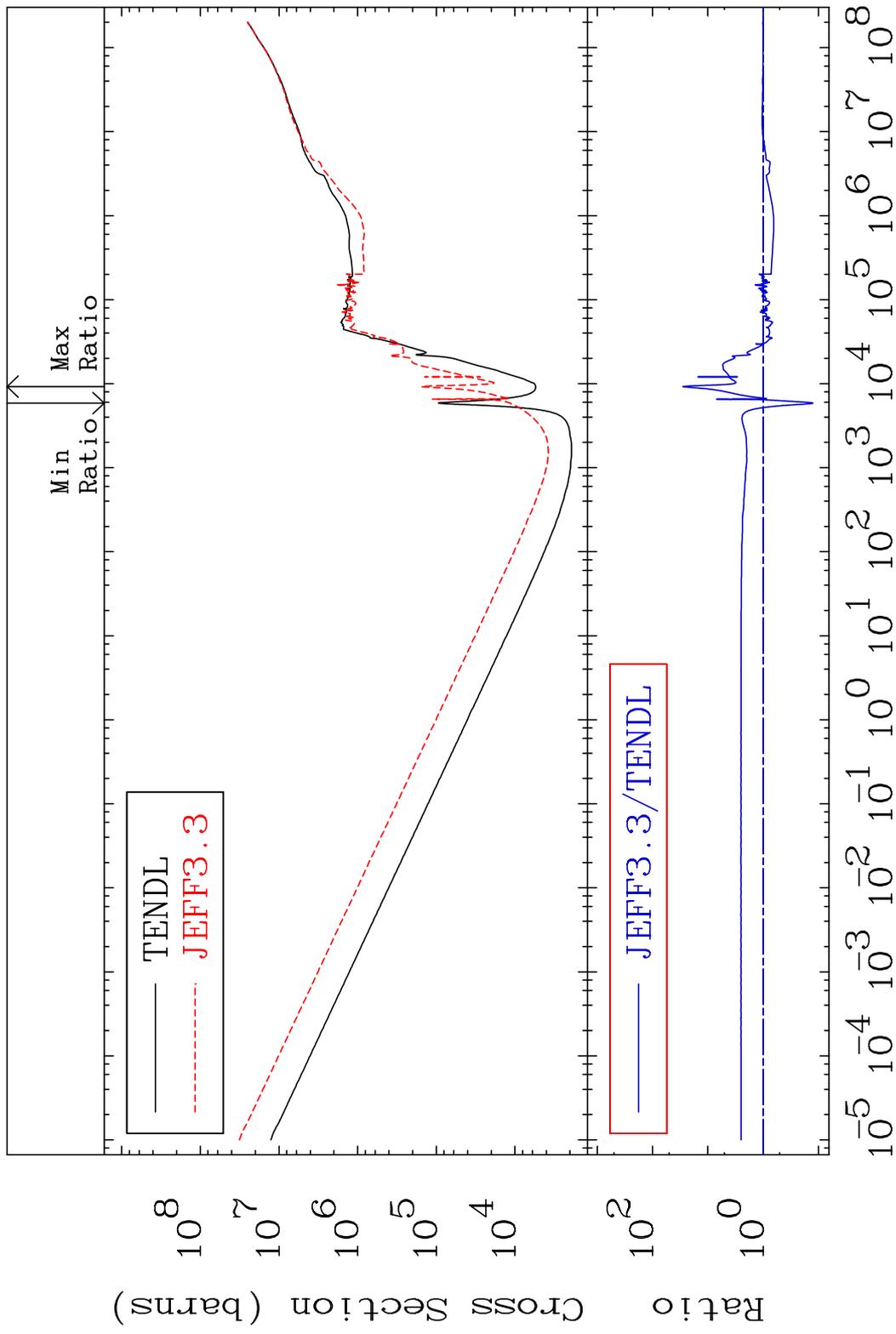


MAT 1322

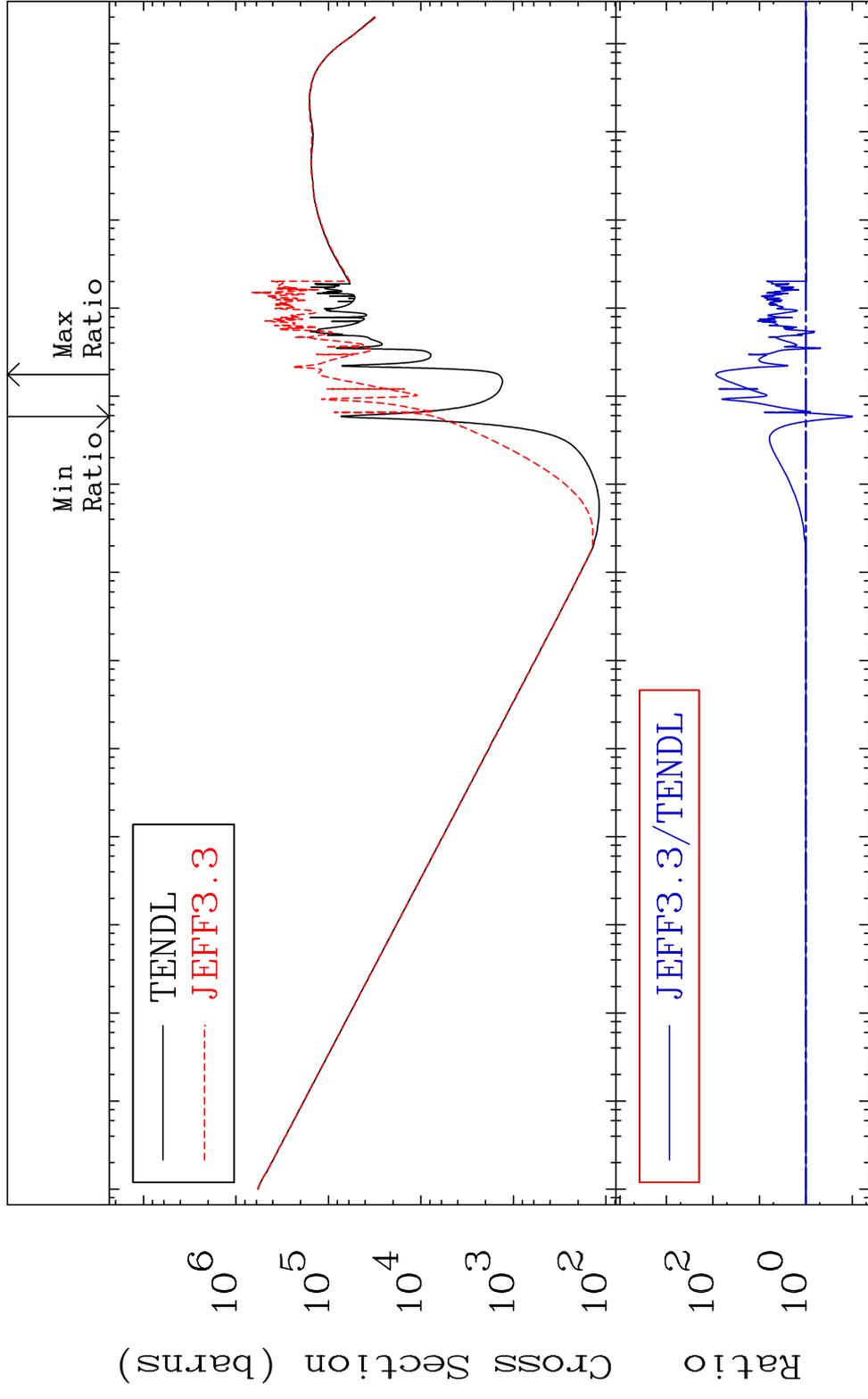
Total photon (eV-barns) 13-A1-26
Cross Section -99.99 To 9999. %



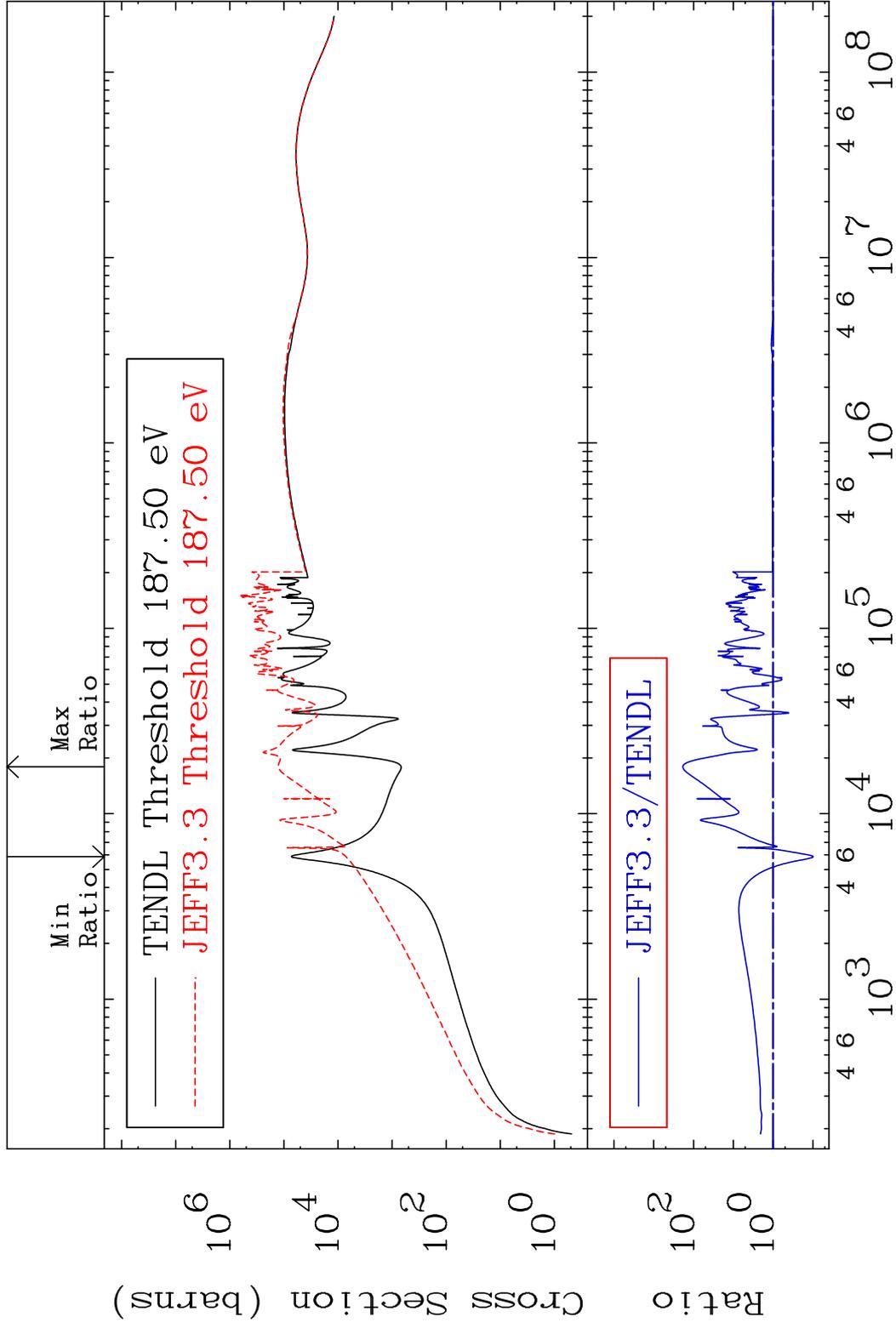
MAT 1322 Total kinematic kerma (high limit) 13-A1-26
 Cross Section -87.57 To 2735. %



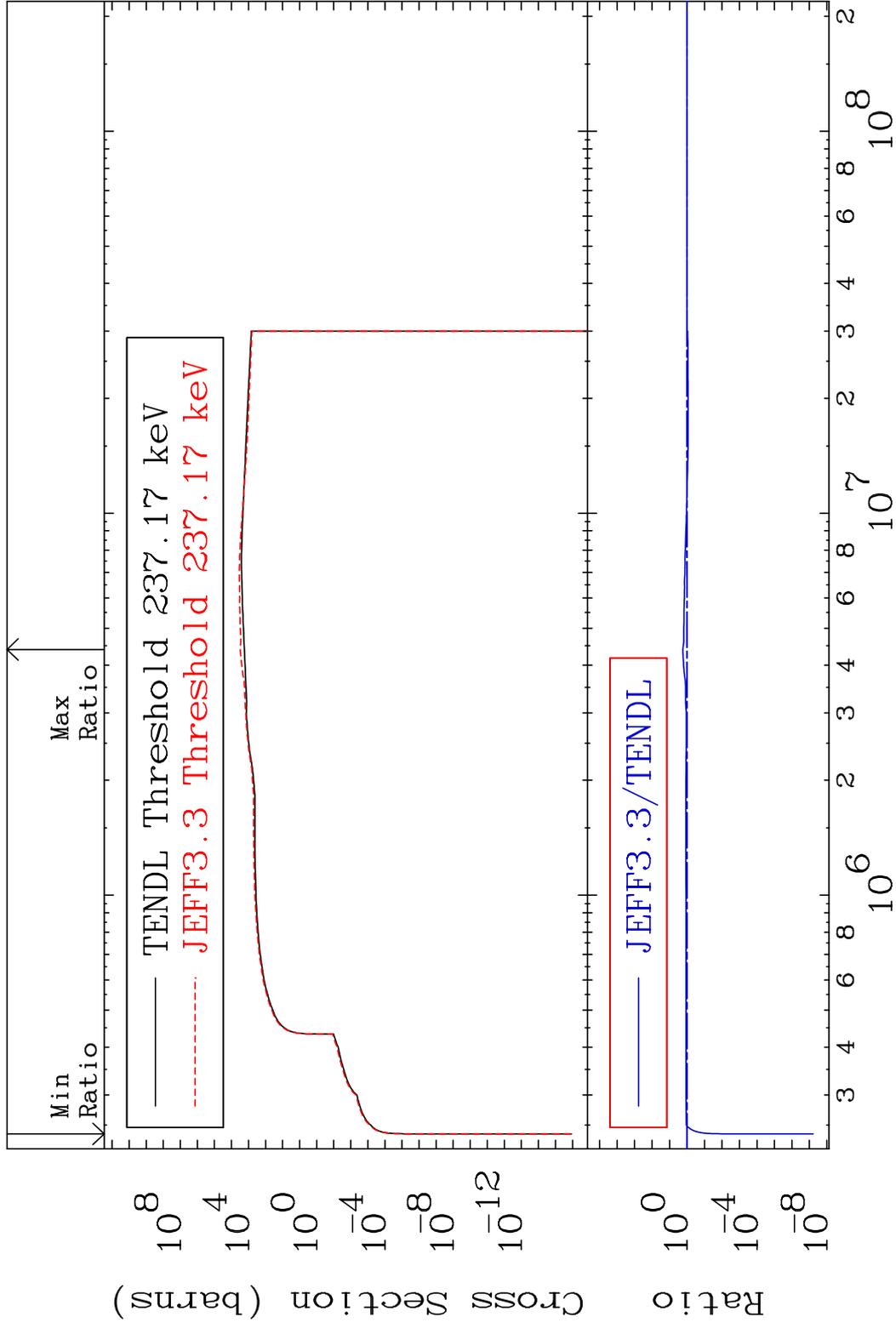
Cross Section -90.11 To 8537. %



Cross Section -90.16 To 9999. %



MAT 1322 Dpa inelastic (mt51-91) 13-A1-26
 Cross Section -100.0 To 73.78 %



MAT 1322 Dpa disappearance (mt102 -120) 13-A1-26
 Cross Section -72.24 To 2602. %

