

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

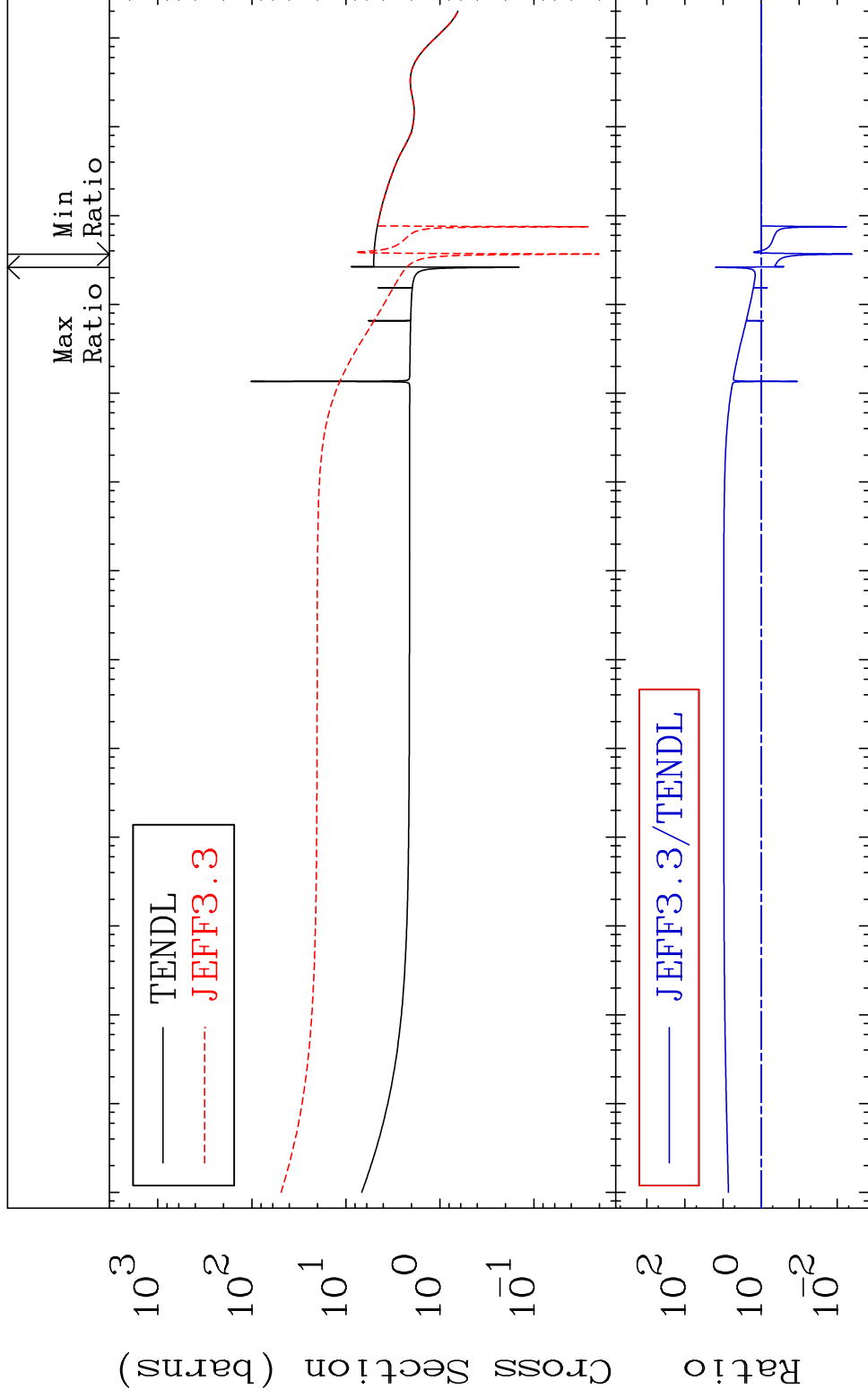
MAT 1437

Total

14-Si-32

Cross Section

-99.60 To 1461. %



1

Incident Energy (eV)

14-Si-32

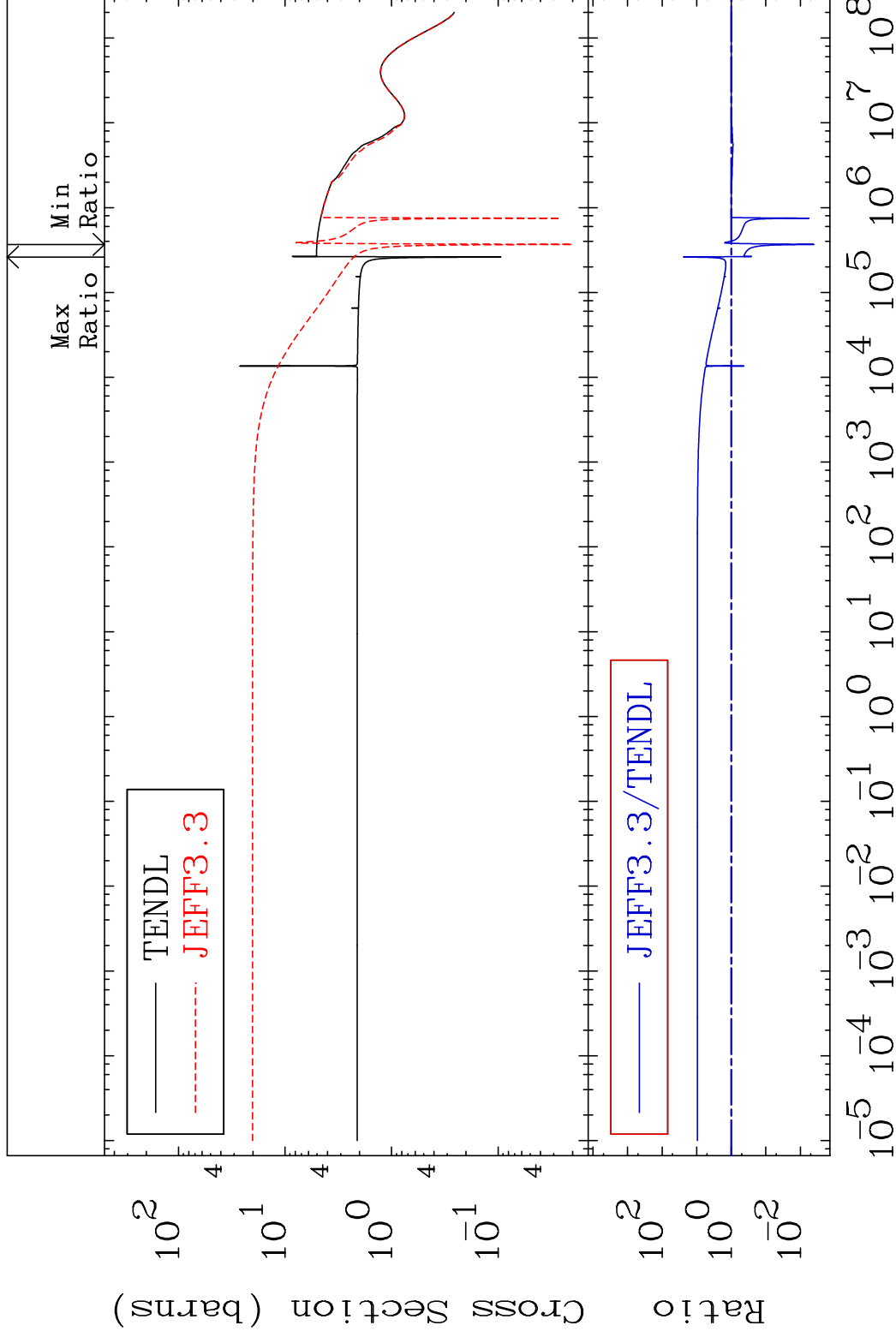
MAT 1437

Elastic

¹⁴Si-32

Cross Section

-99.60 To 2284. %



2

Incident Energy (eV)

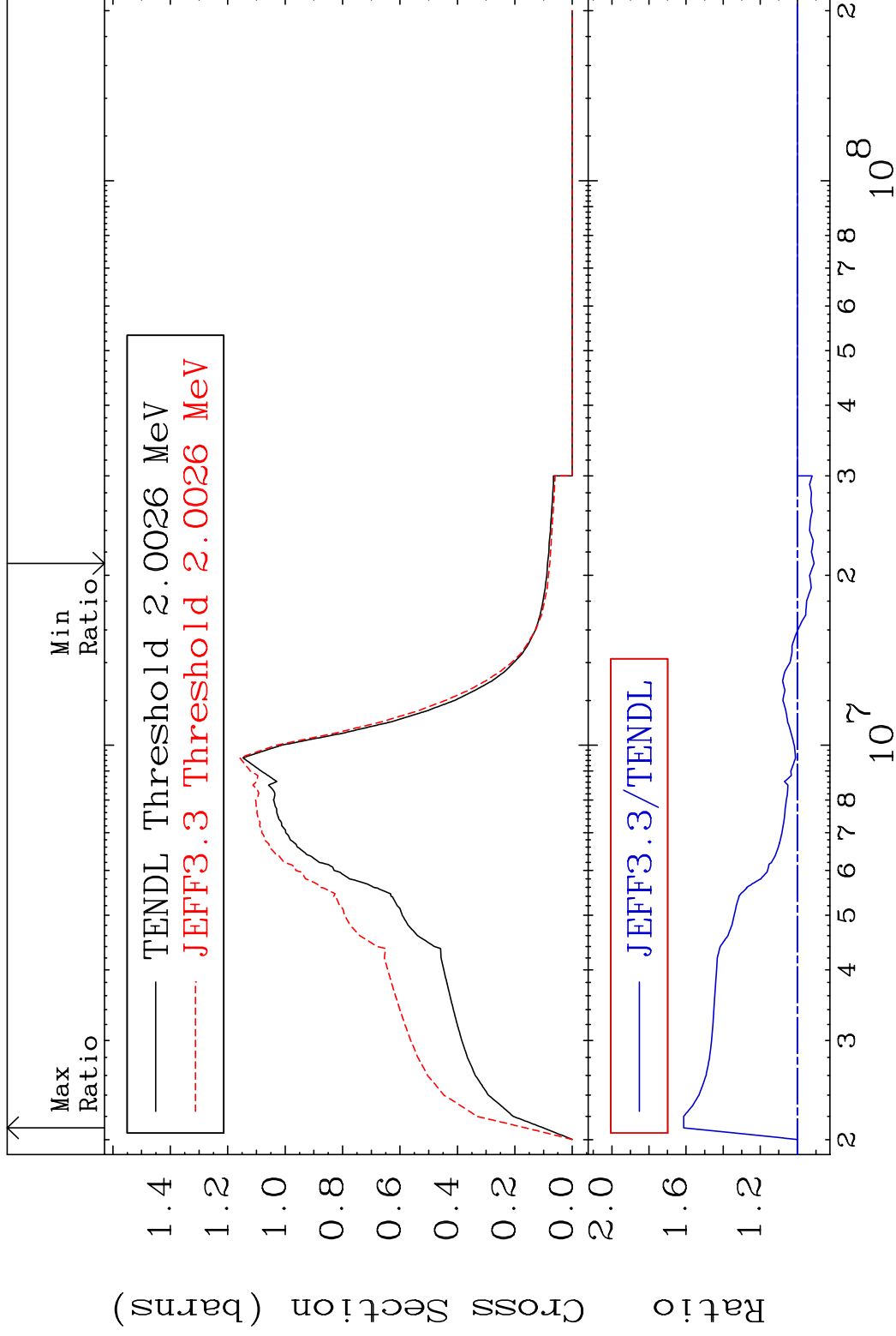
¹⁴Si-32

MAT 1437

Inelastic

14-Si-32

Cross Section -9.026 To 61.30 %



3

Incident Energy (eV)

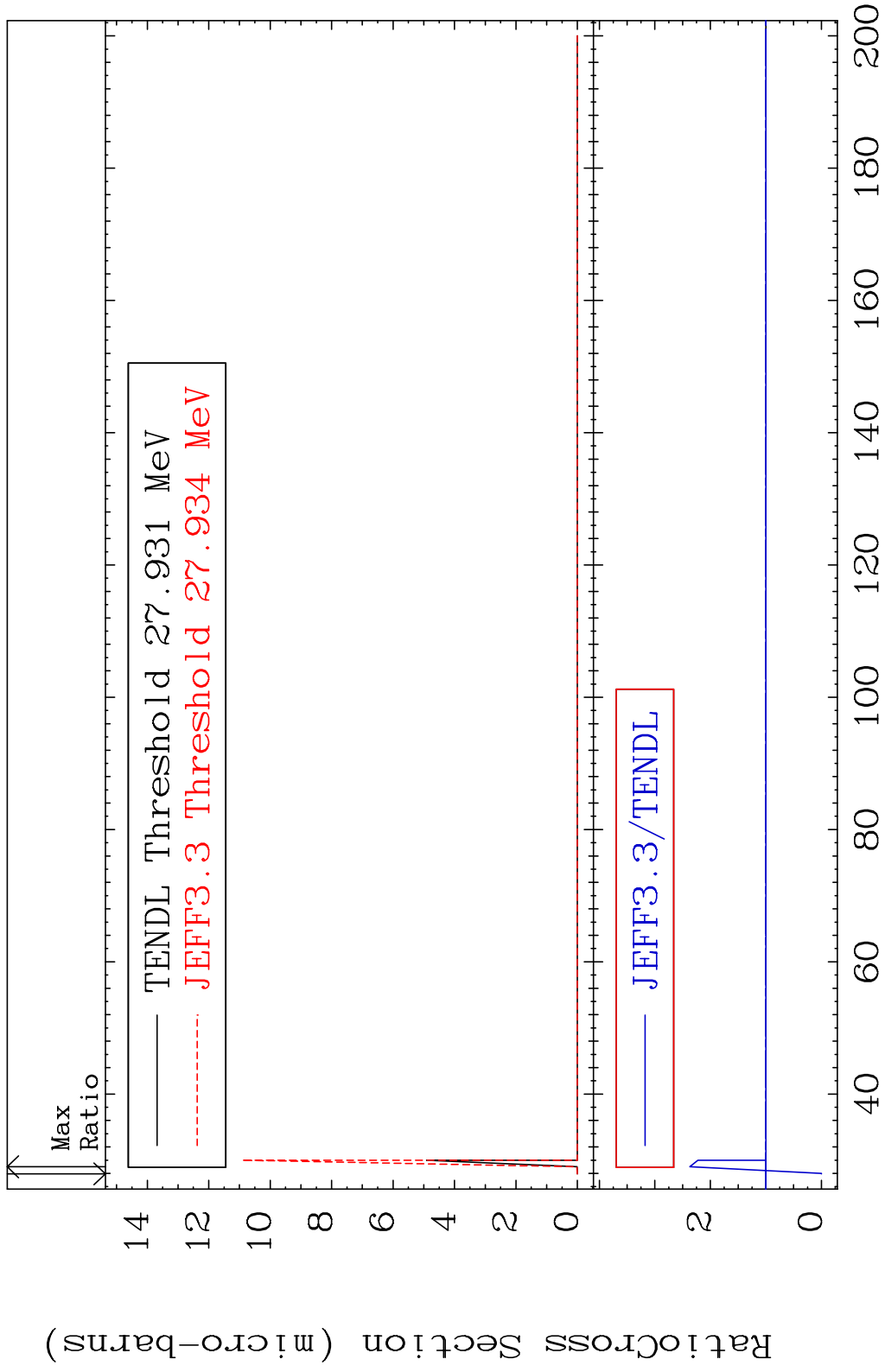
14-Si-32

MAT 1437

(n,2n) d

14-Si-32

Cross Section -100.0 To 137.1 %



4

Incident Energy (MeV)

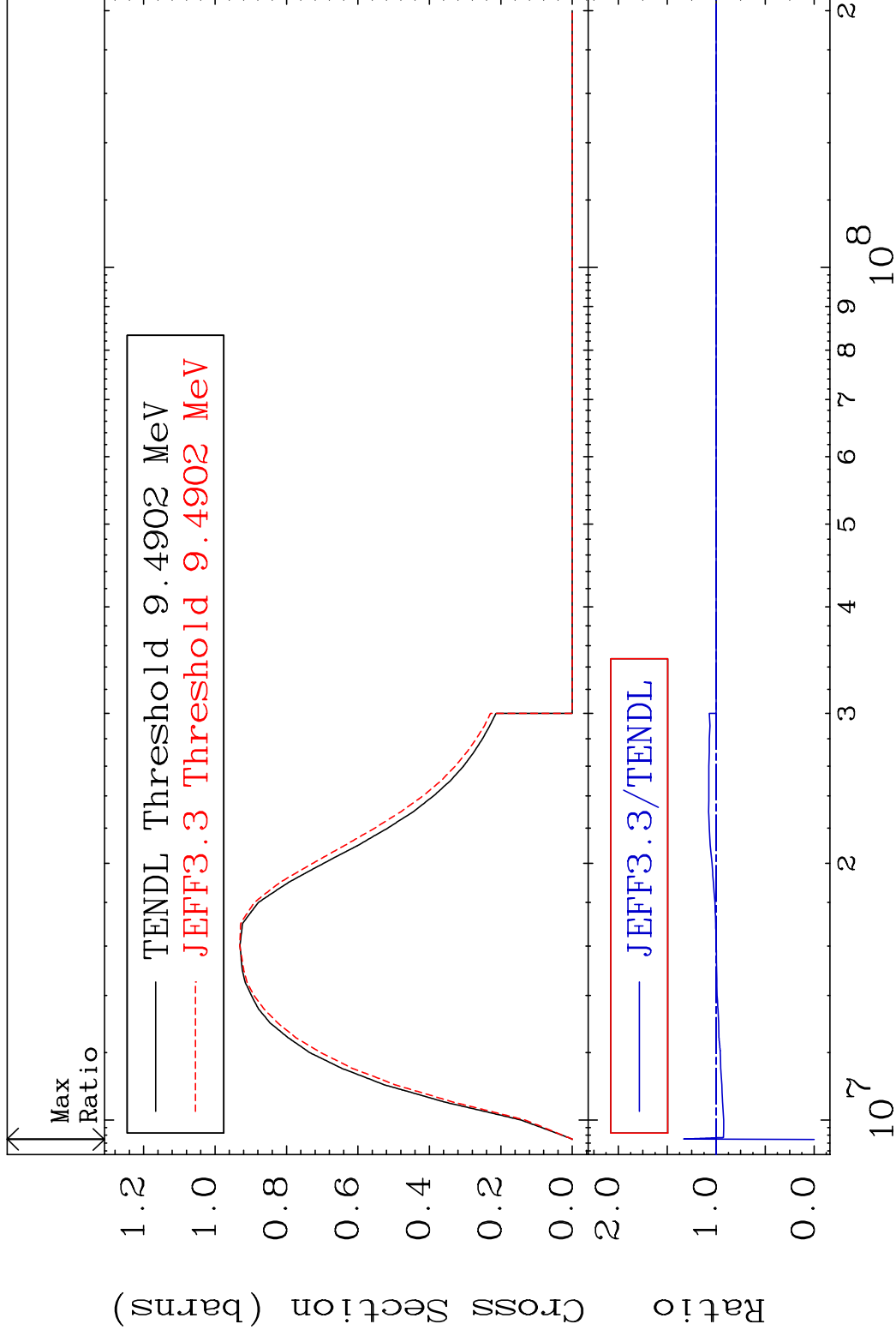
14-Si-32

MAT 1437

(n,2n)

¹⁴Si-32

Cross Section -100.0 To 33.27 %



5

Incident Energy (eV)

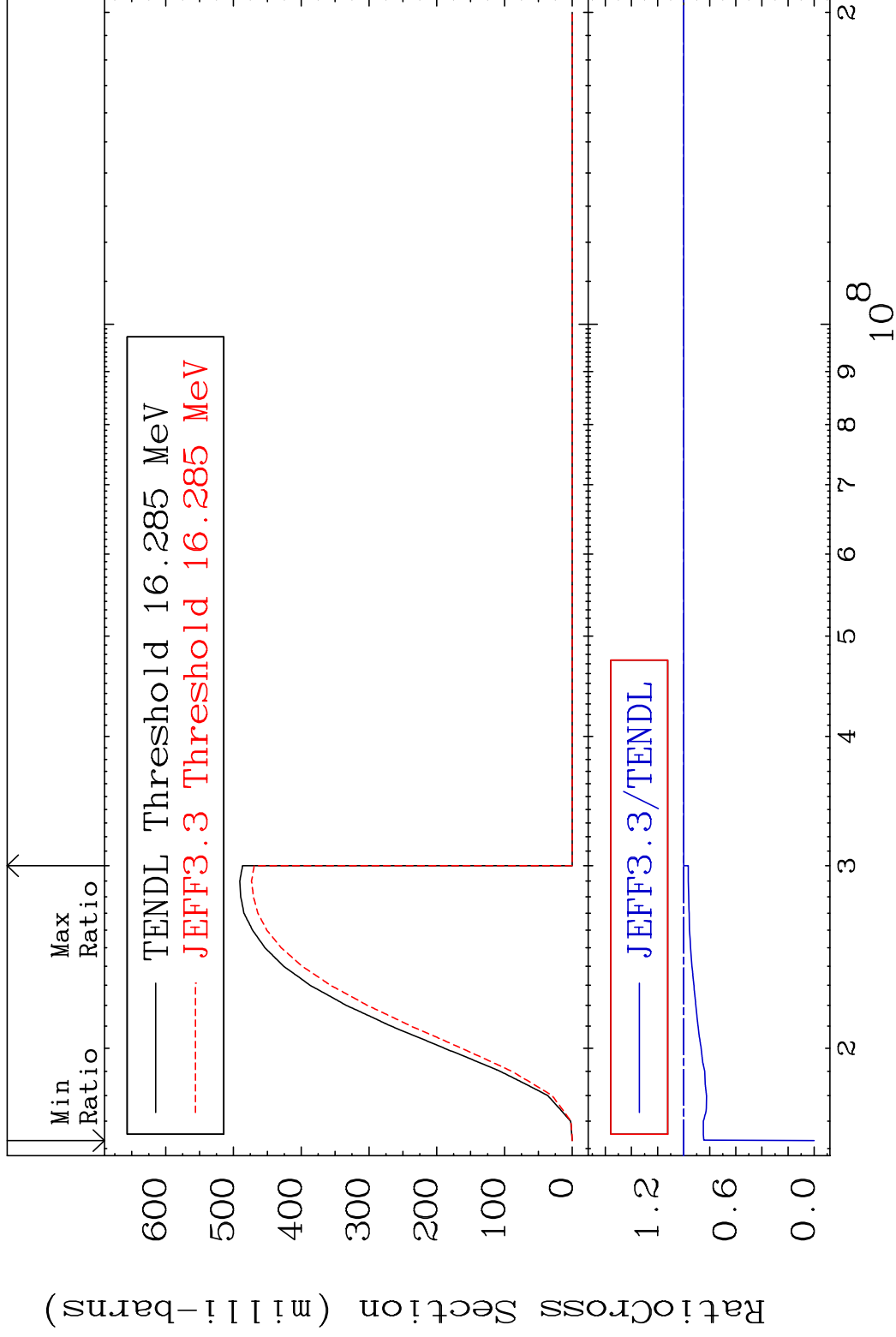
¹⁴Si-32

MAT 1437

(n,3n)

14-Si-32

Cross Section -100.0 To 0.000 %



6

Incident Energy (eV)

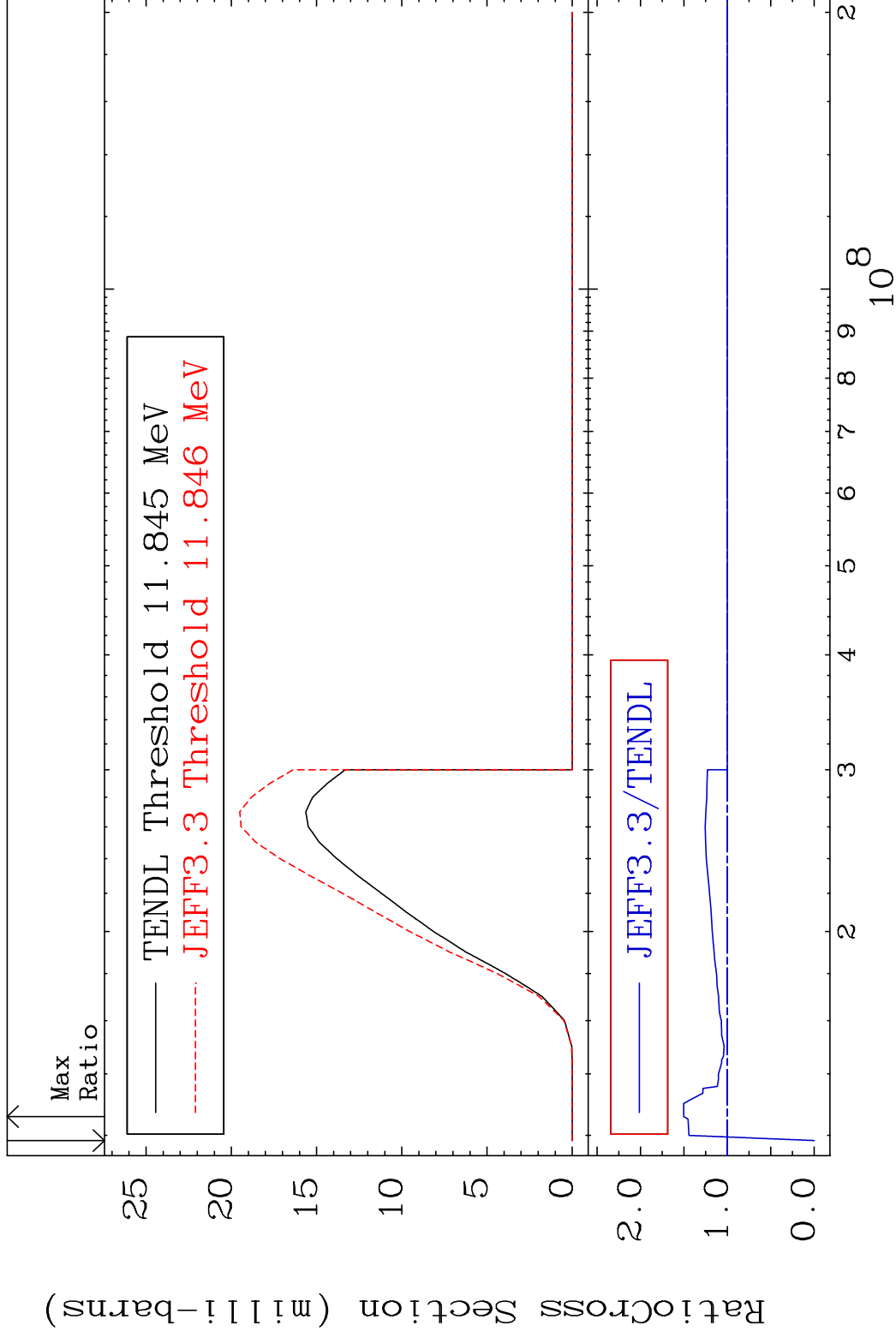
14-Si-32

MAT 1437

(n, n') α

14-Si-32

Cross Section -100.0 To 50.32 %

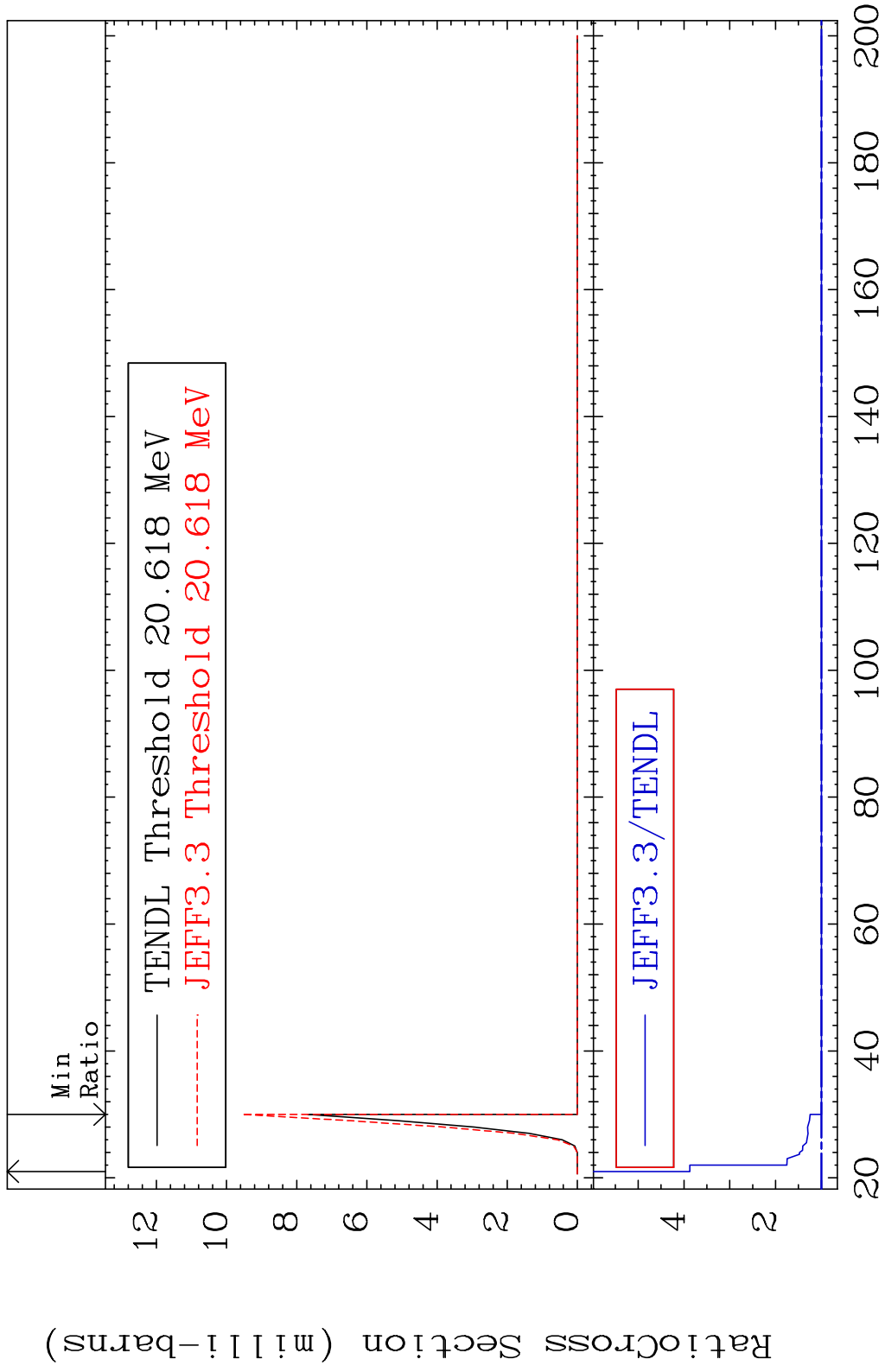


7

Incident Energy (eV)

14-Si-32

MAT 1437 (n,2n) α 14-Si-32
Cross Section 0.000 To 287.3 %



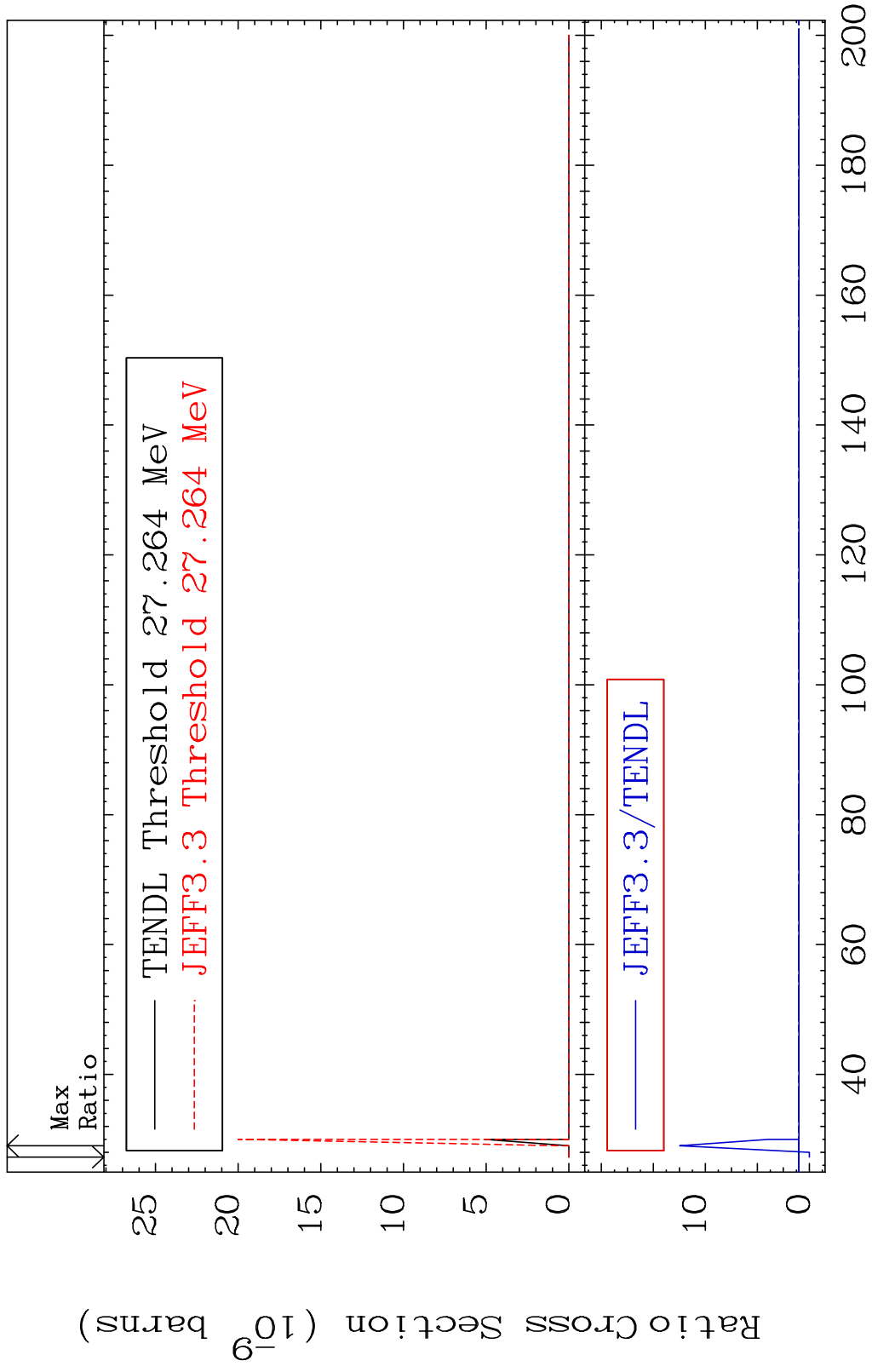
8 Incident Energy (MeV) 14-Si-32

MAT 1437

(n,3n) α

14-Si-32

Cross Section -100.0 To 1147. %

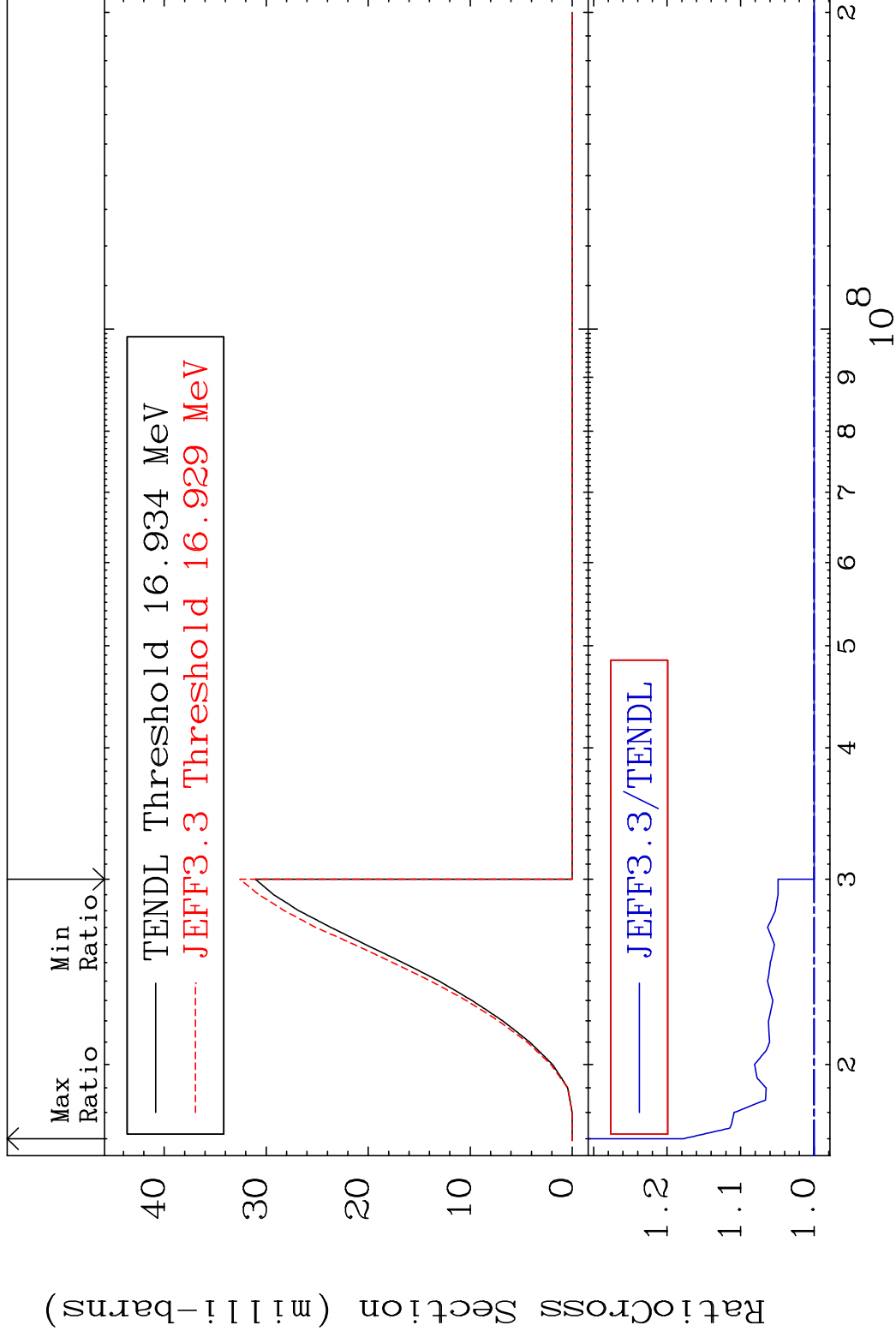


MAT 1437

(n, n') p

¹⁴Si-32

Cross Section 0.000 To 17.75 %



10

Incident Energy (eV)

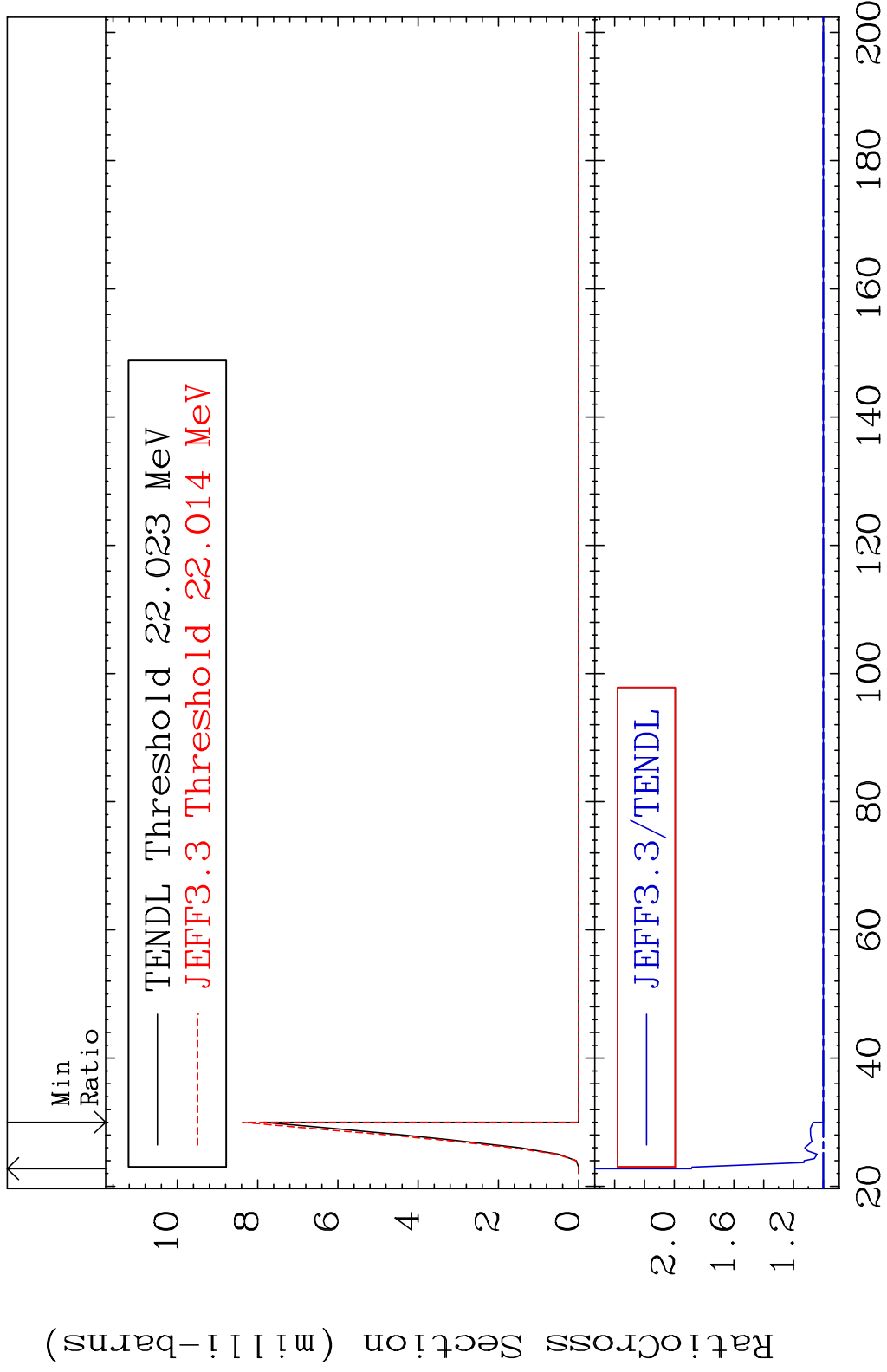
¹⁴Si-32

MAT 1437

(n, n') d

14-Si-32

Cross Section 0.000 To 88.56 %

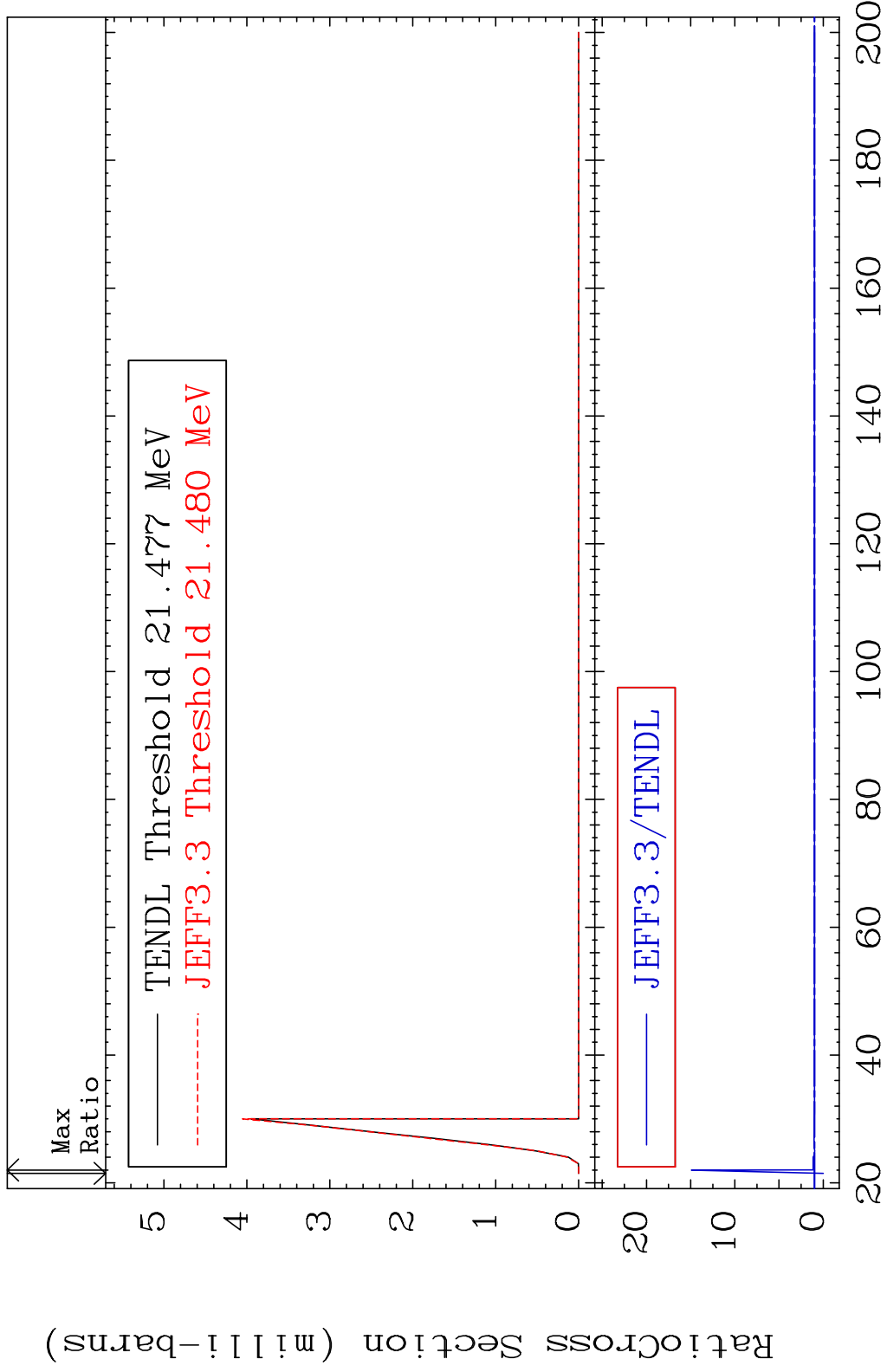


MAT 1437

(n, n') t

14-Si-32

Cross Section -100.0 To 1392. %



12

Incident Energy (MeV)

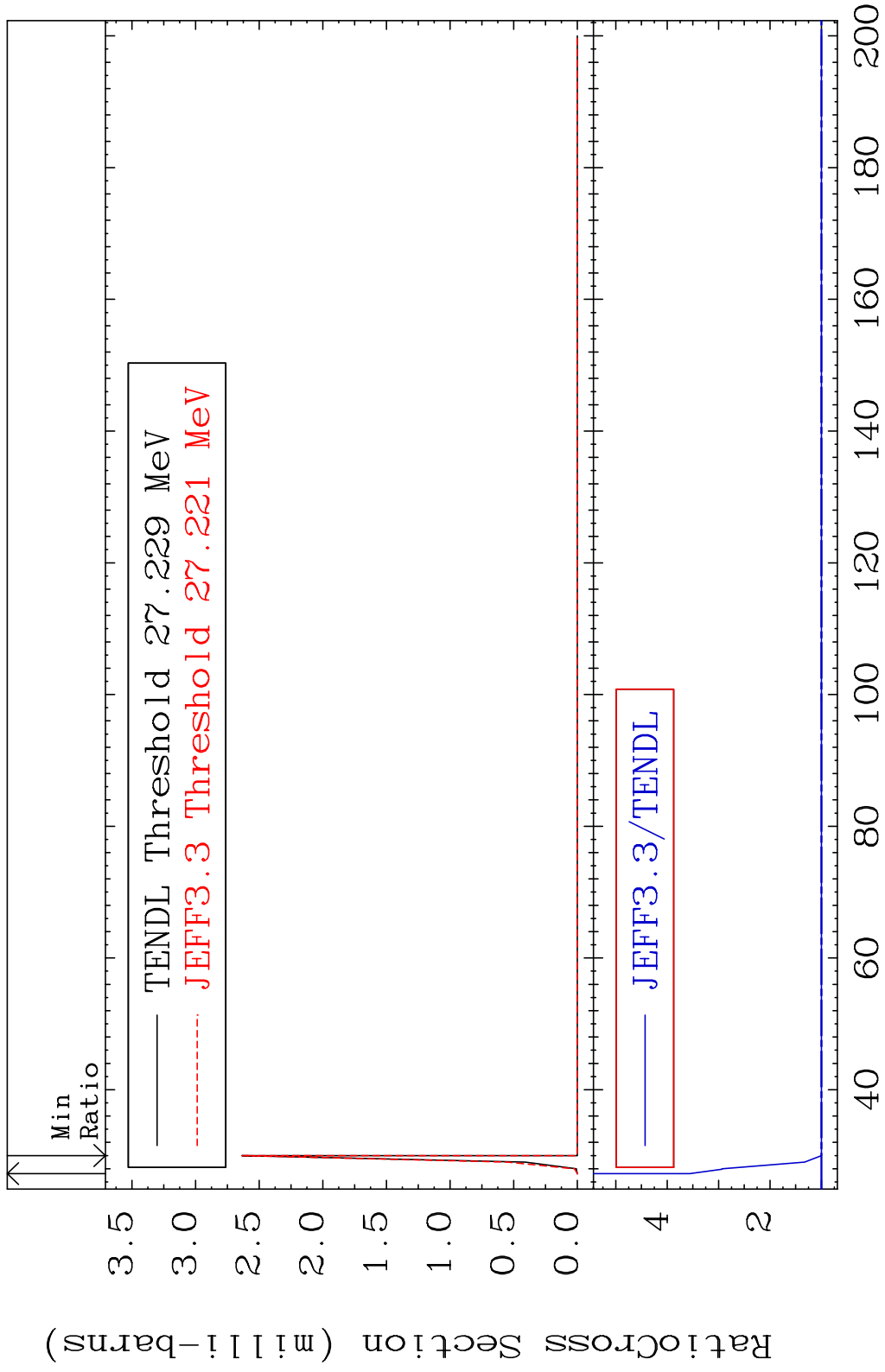
14-Si-32

MAT 1437

(n,4n)

14-Si-32

Cross Section 0.000 To 256.1 %

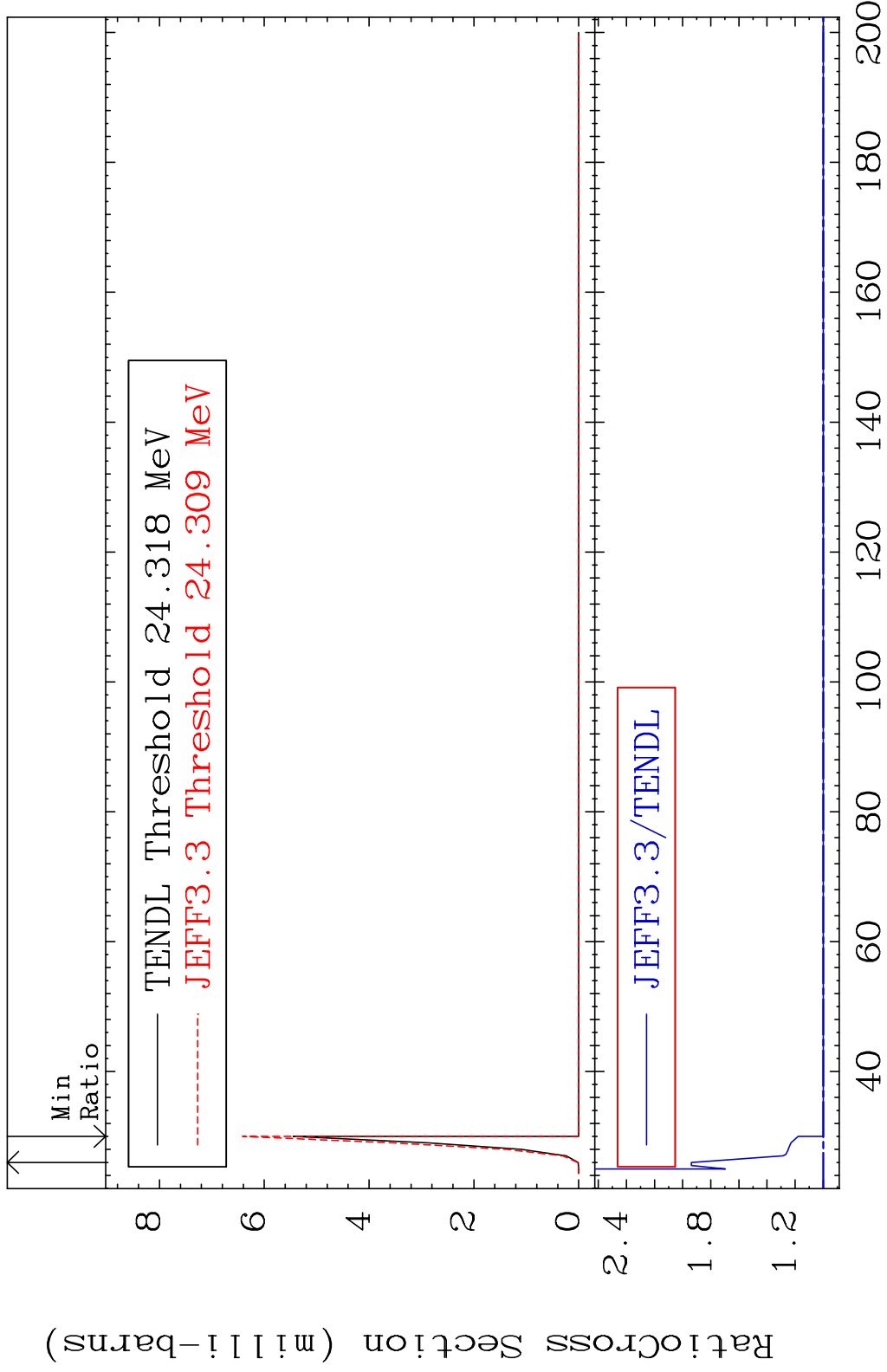


MAT 1437

(n,2n) p

¹⁴Si-32

Cross Section 0.000 To 93.85 %

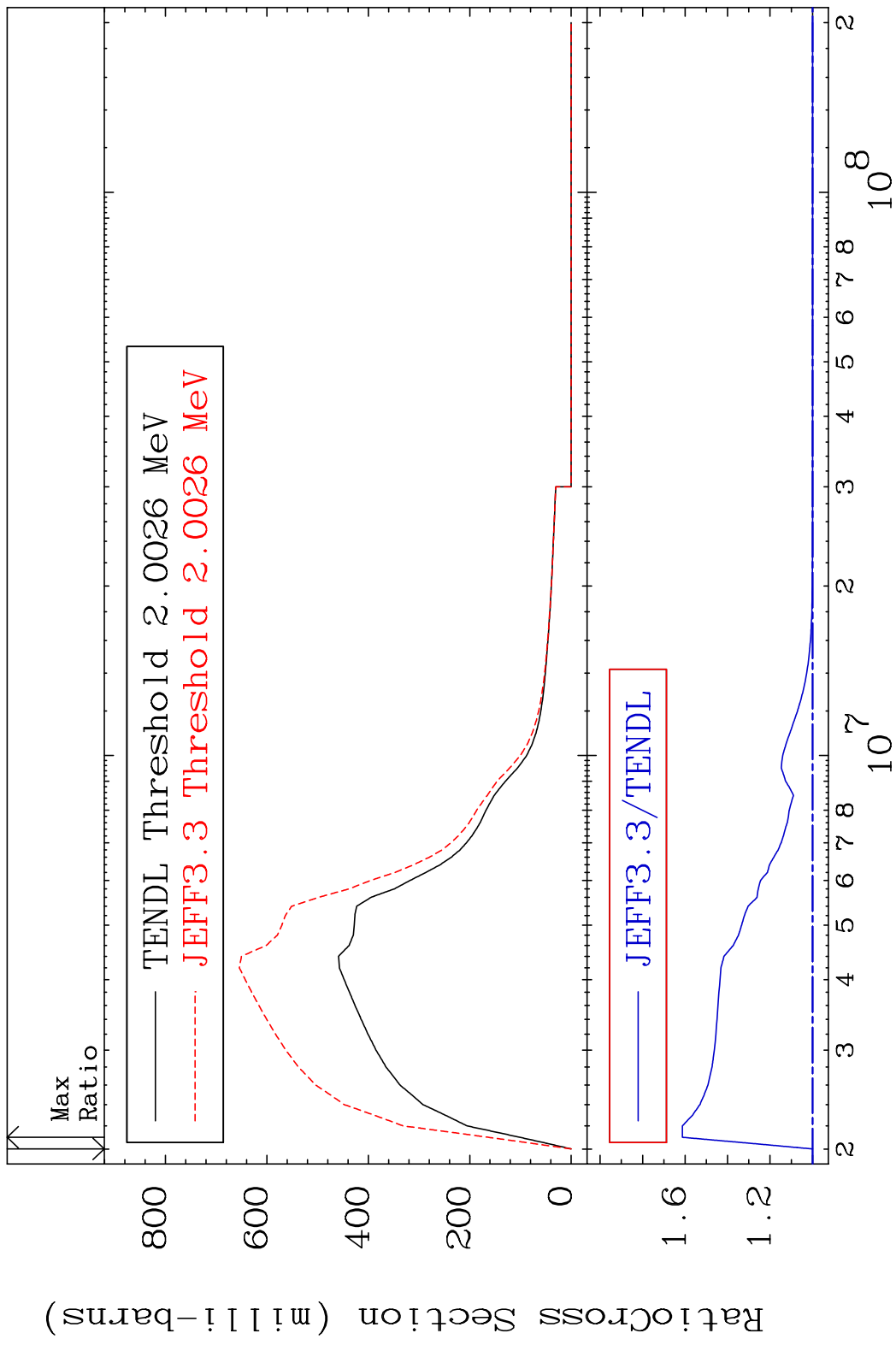


14

Incident Energy (MeV)

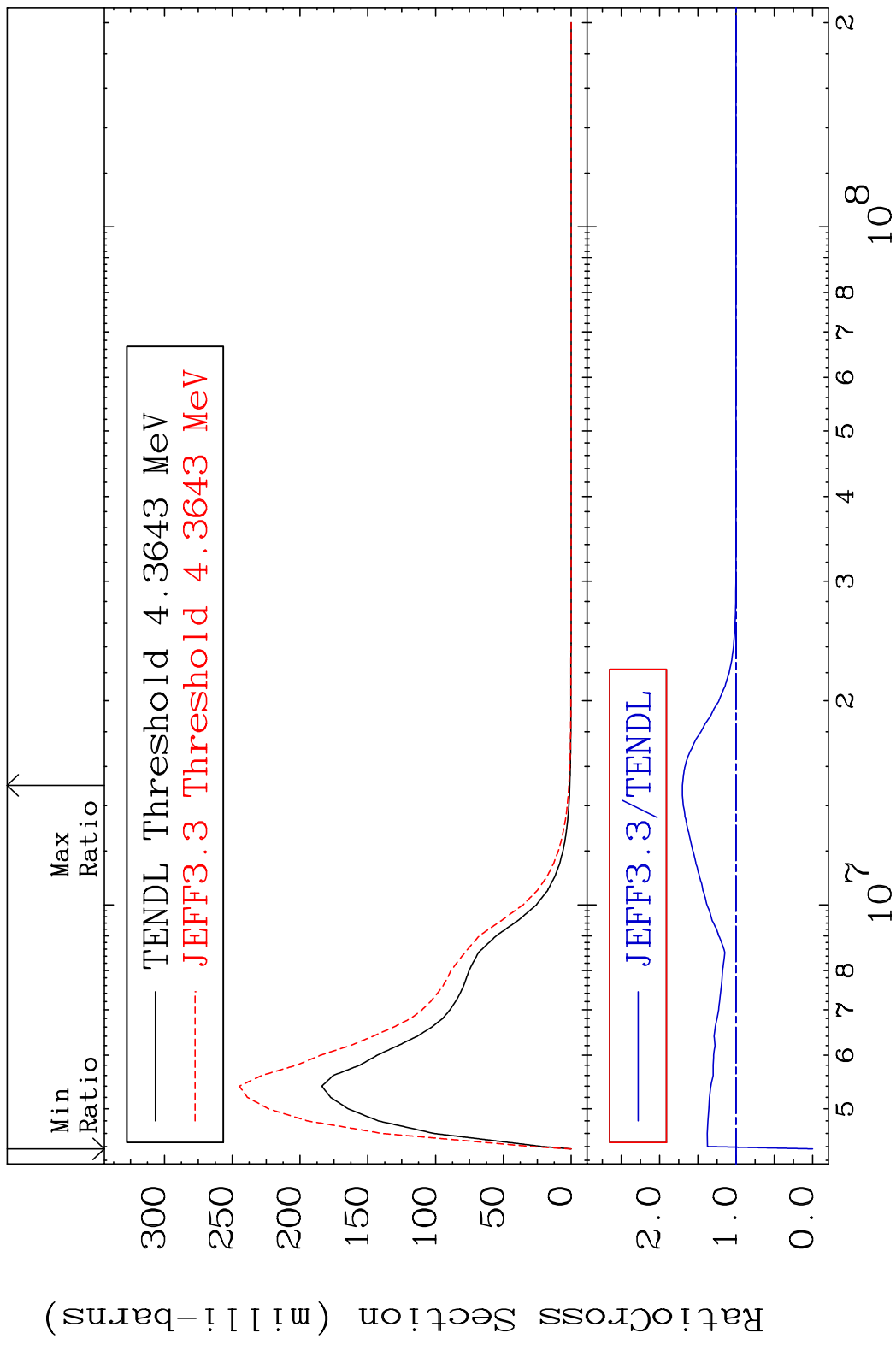
¹⁴Si-32

MAT 1437 MT= 51 (n, n') Level 14-Si-32
 Cross Section 0.000 To 61.30 %

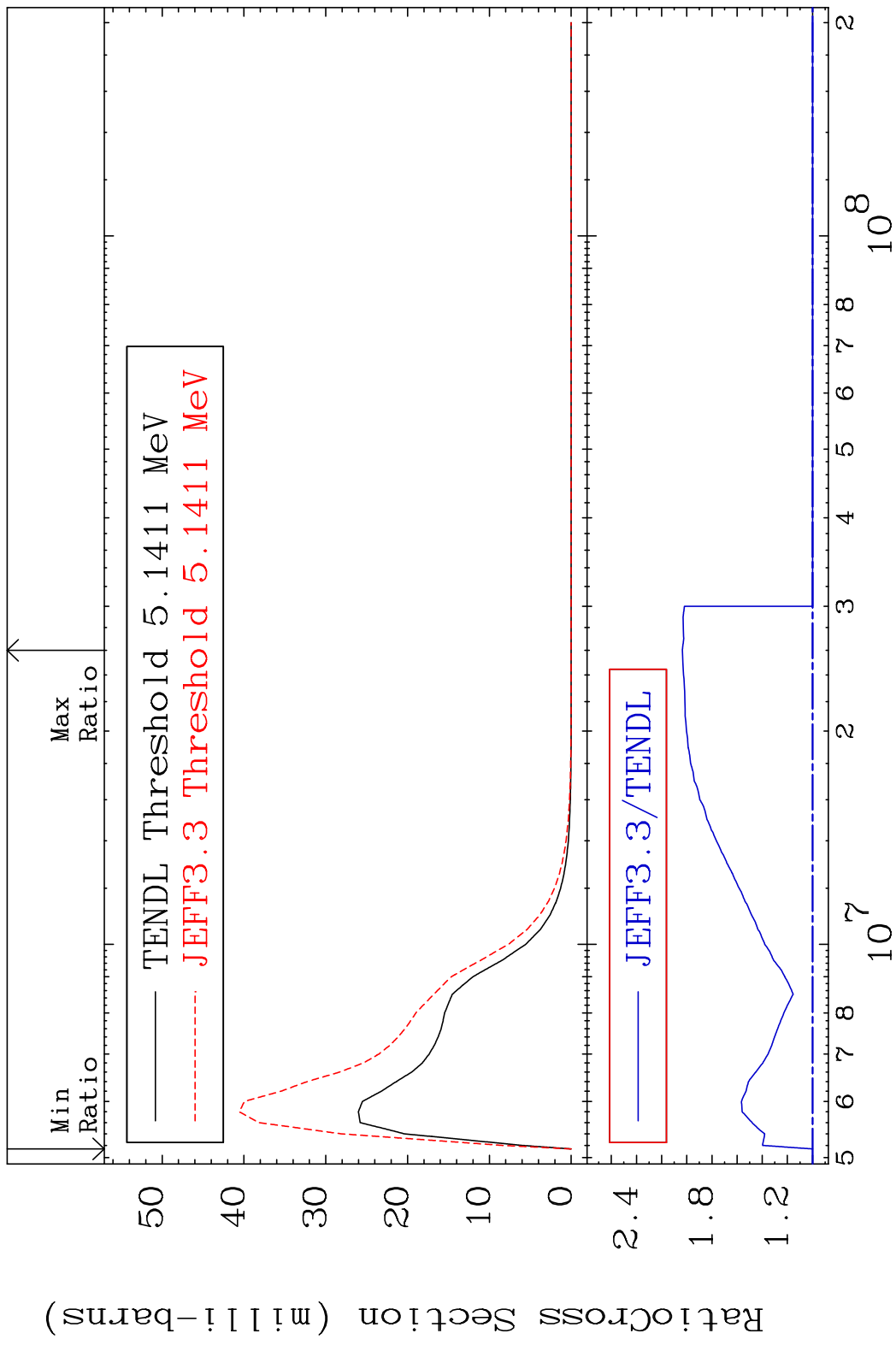


15 Incident Energy (eV) 14-Si-32

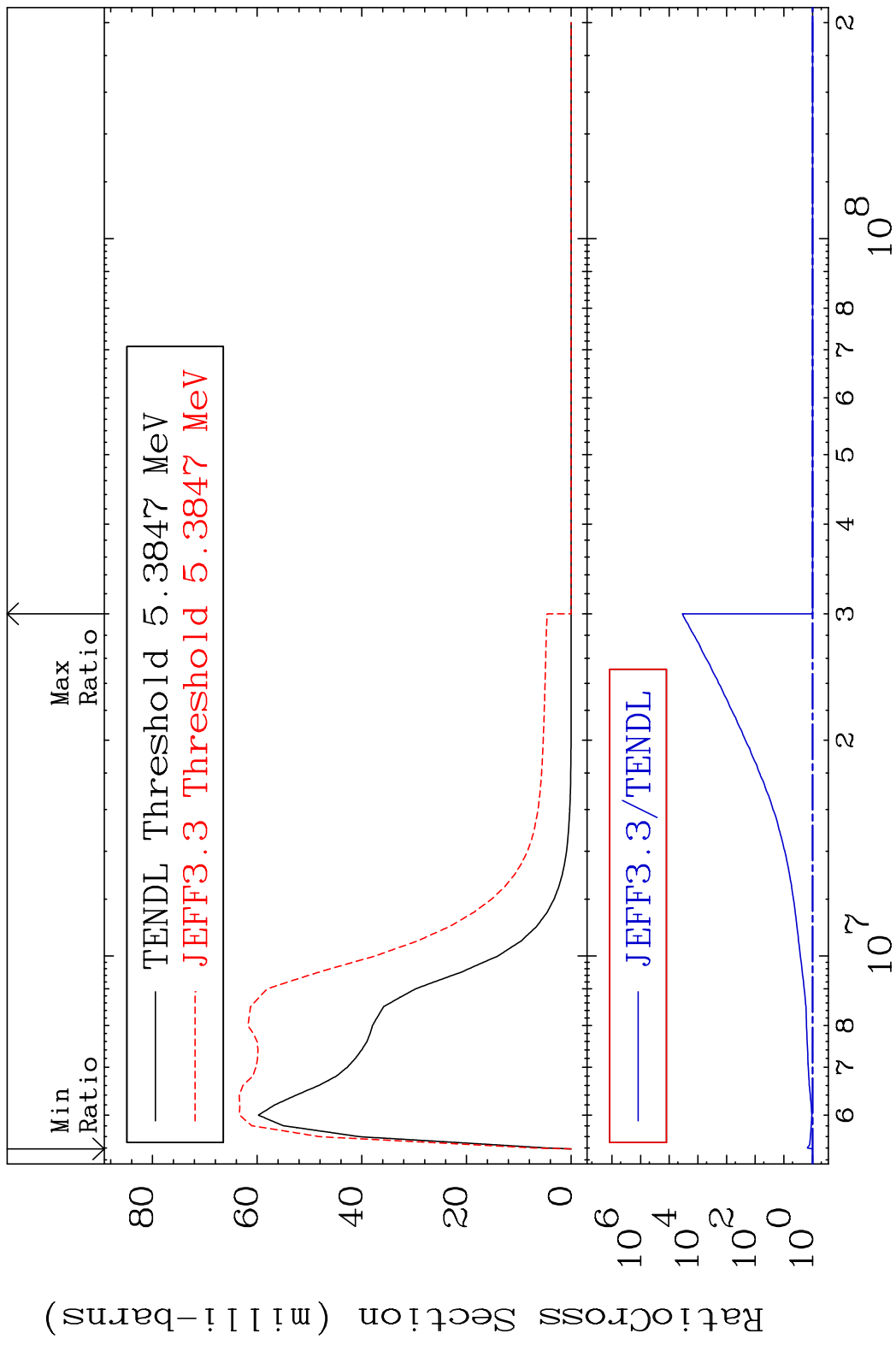
MAT 1437 MT= 52 (n, n') Level 14-Si-32
 Cross Section -100.0 To 70.27 %



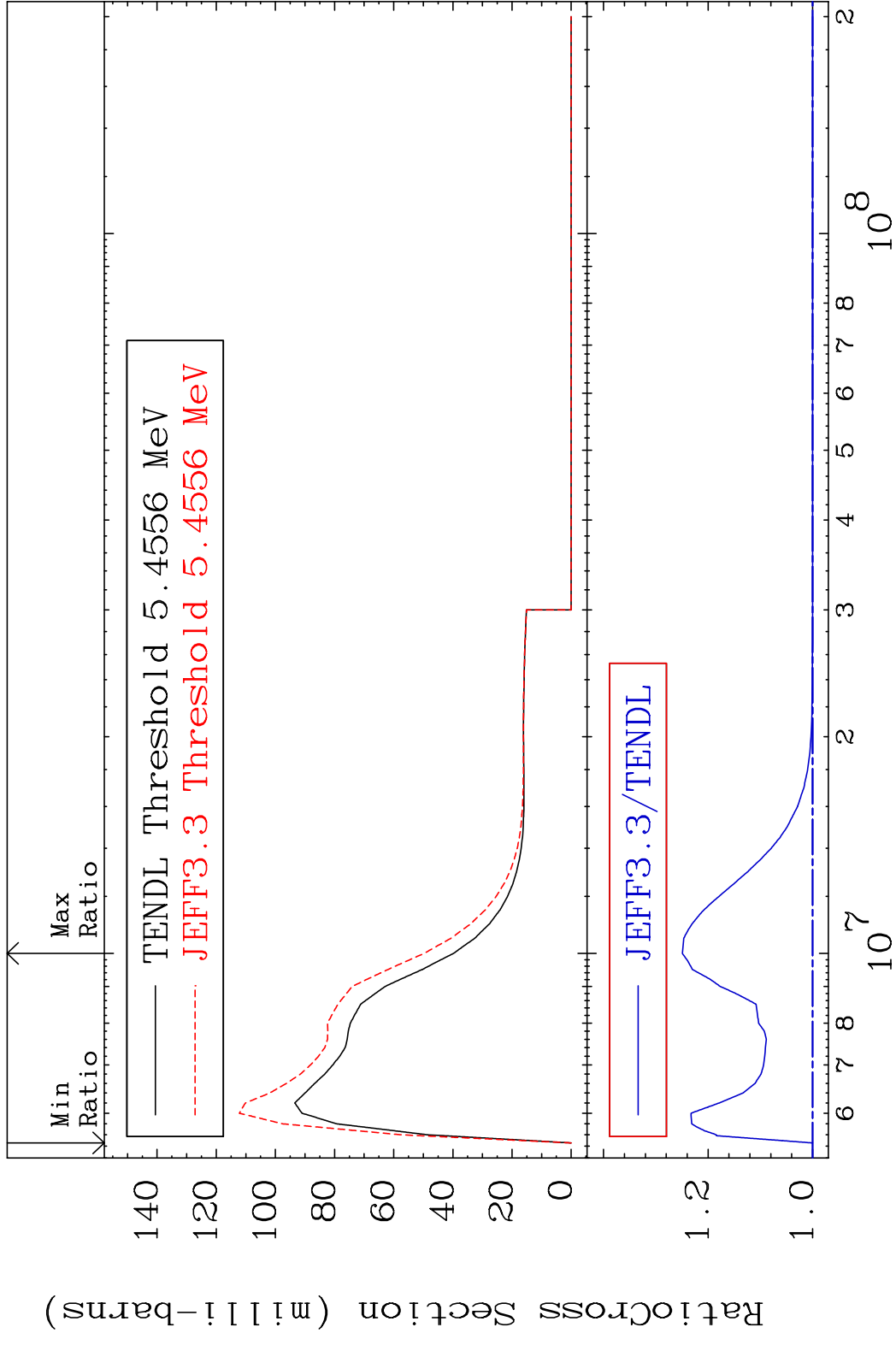
MAT 1437 MT= 53 (n, n') Level 14-Si-32
 Cross Section 0.000 To 103.5 %



MAT 1437 MT= 54 (n, n') Level 14-Si-32
 Cross Section 0.000 To 9999. %



MAT 1437 MT= 55 (n, n') Level 14-Si-32
 Cross Section 0.000 To 24.92 %

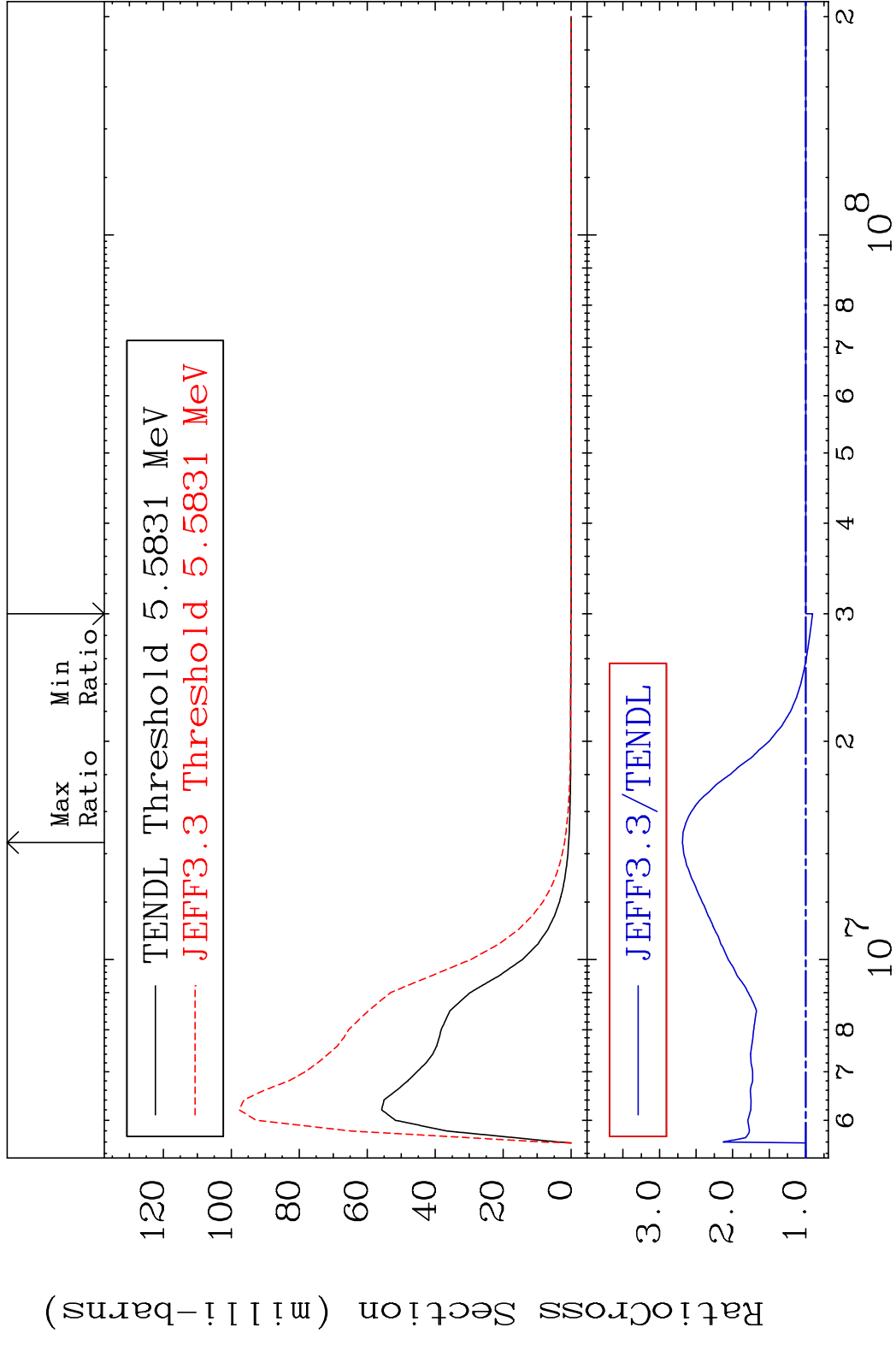


MAT 1437

MT= 56 (n,n') Level

14-Si-32

Cross Section -9.361 To 168.8 %

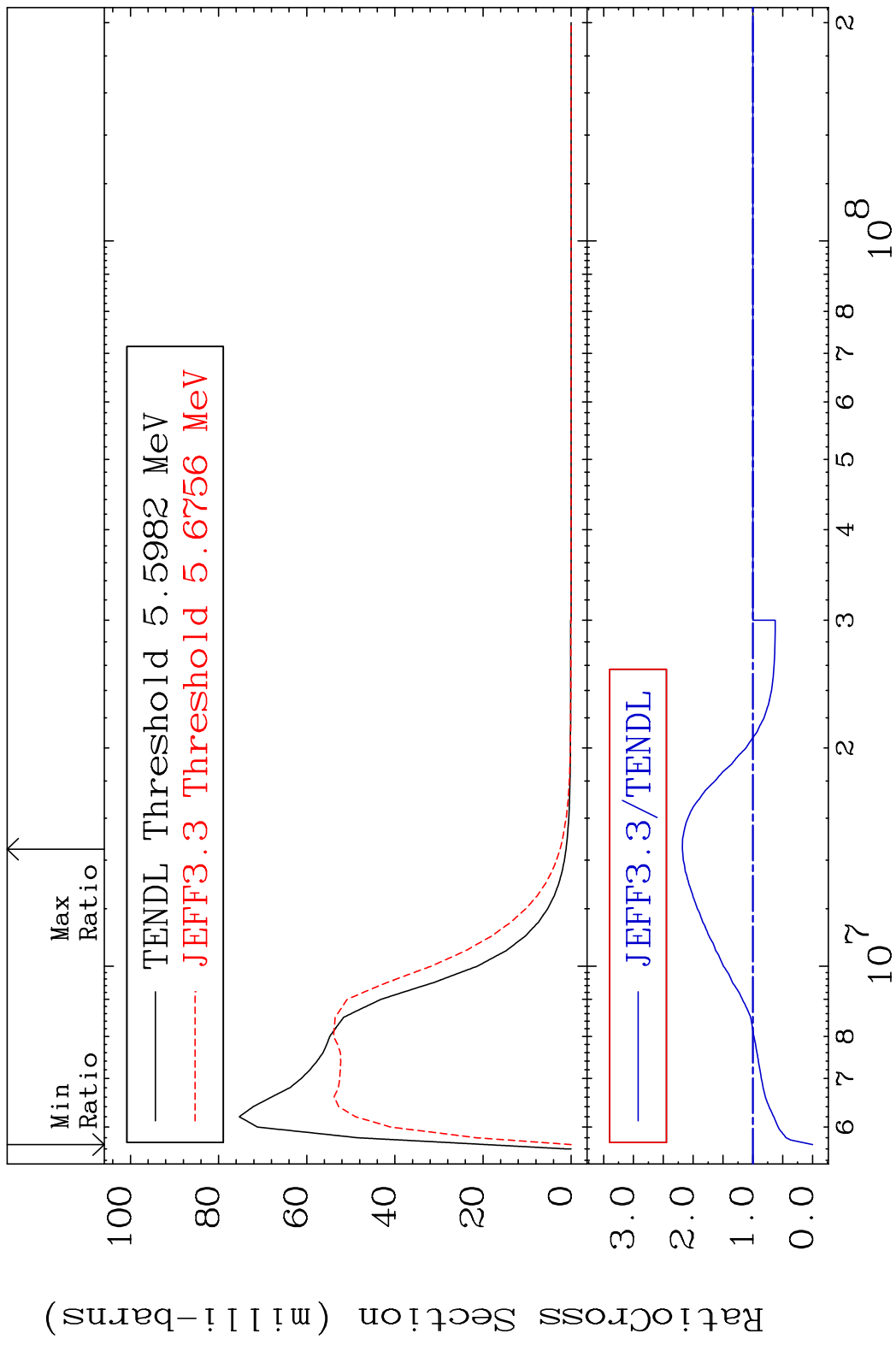


20

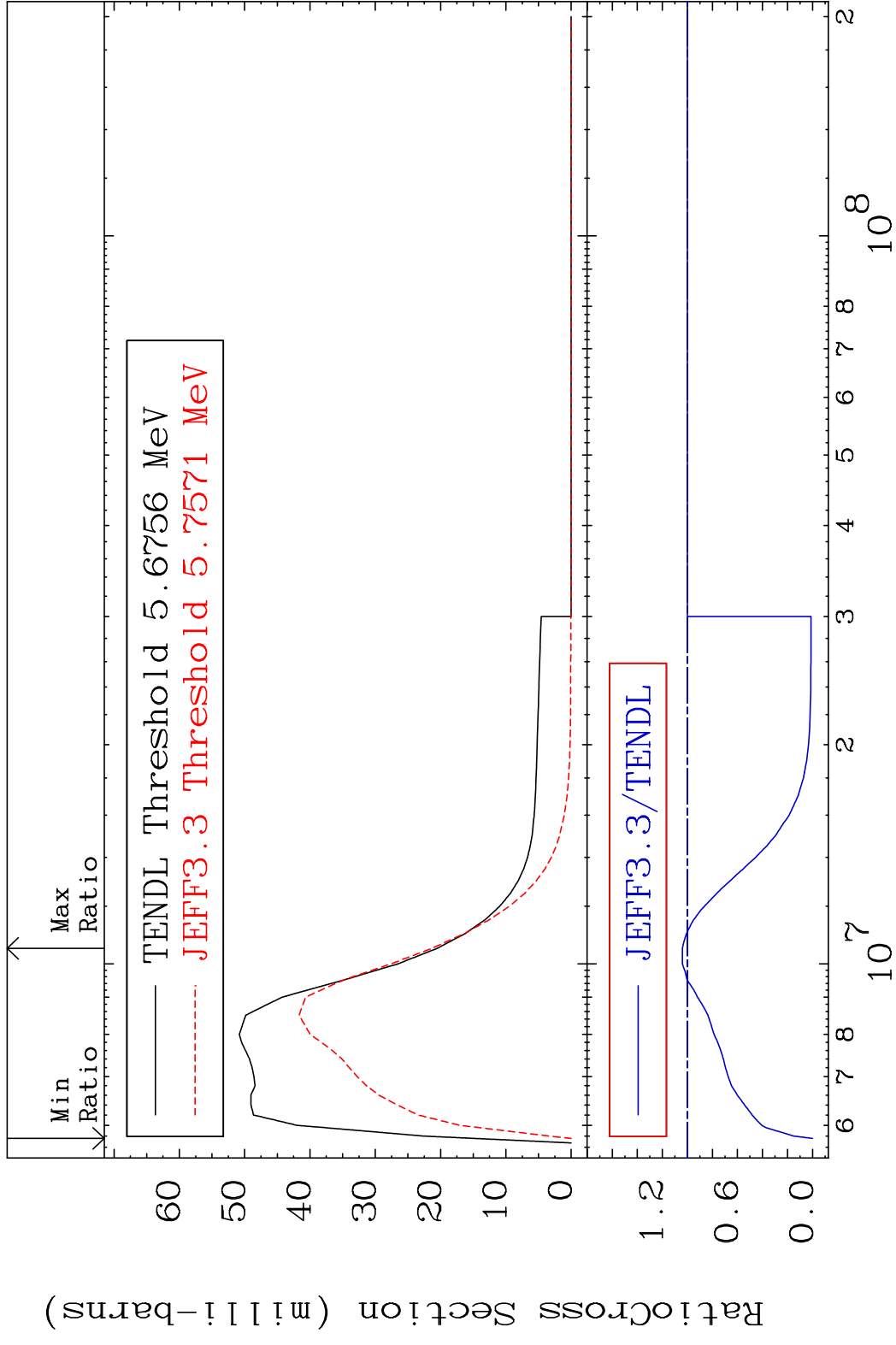
Incident Energy (eV)

14-Si-32

MAT 1437 MT= 57 (n, n') Level 14-Si-32
 Cross Section -100.0 To 118.1 %



MAT 1437 MT= 58 (n, n') Level 14-Si-32
 Cross Section -100.0 To 4.032 %

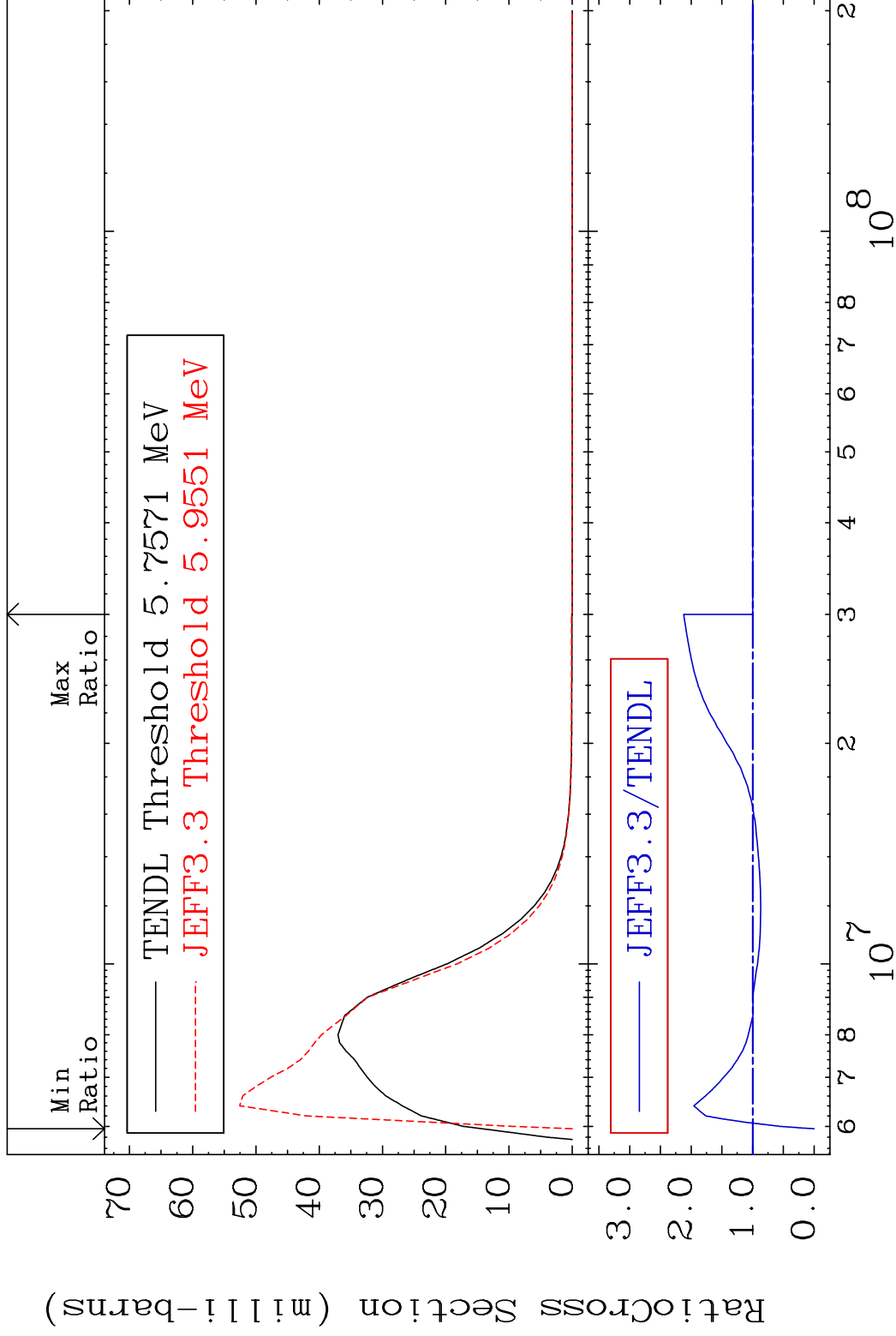


MAT 1437

MT= 59 (n, n') Level

14-Si-32

Cross Section -100.0 To 112.2 %



23

Incident Energy (eV)

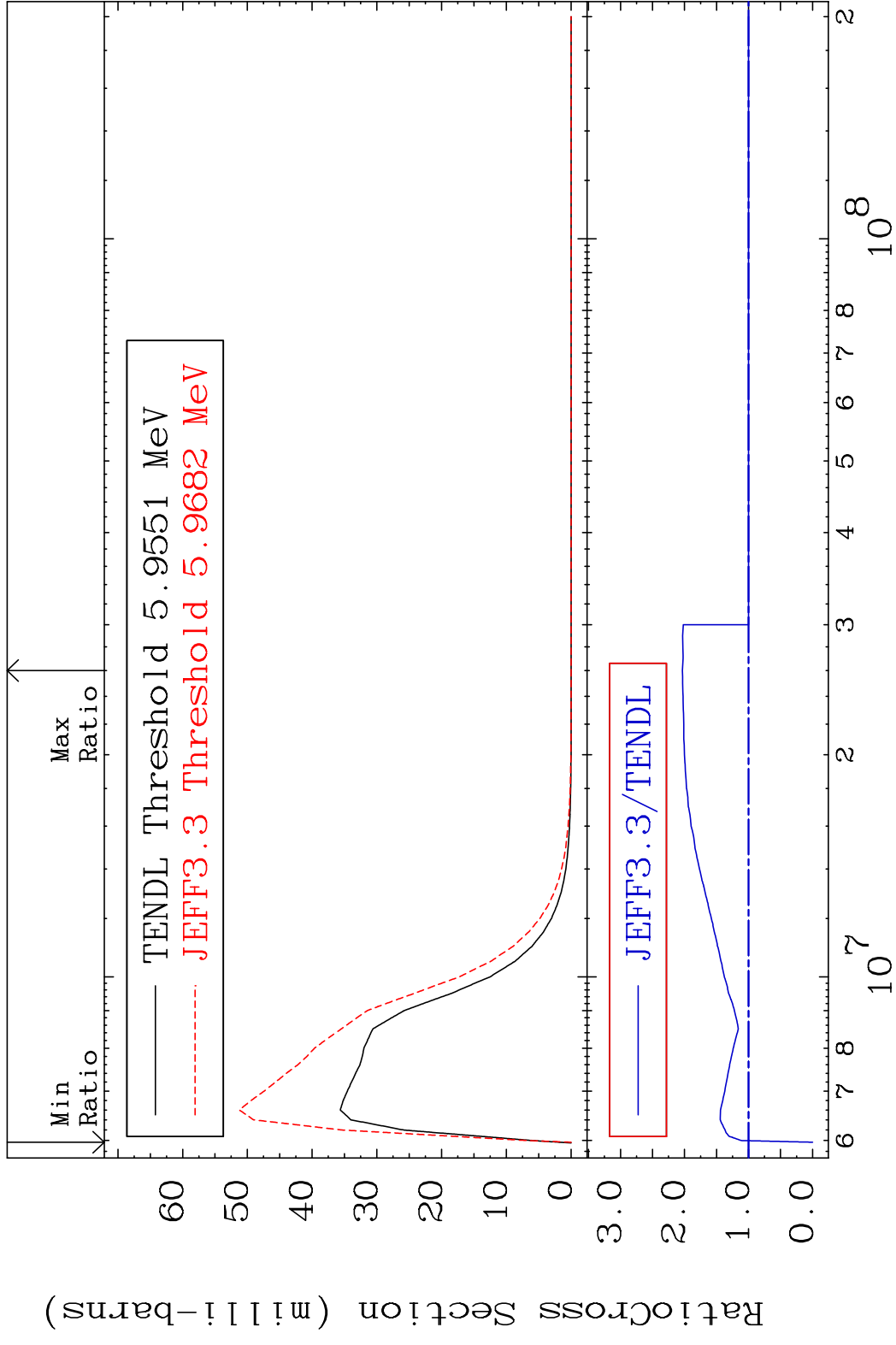
14-Si-32

MAT 1437

MT= 60 (n, n') Level

14-Si-32

Cross Section -100.0 To 103.4 %



24

Incident Energy (eV)

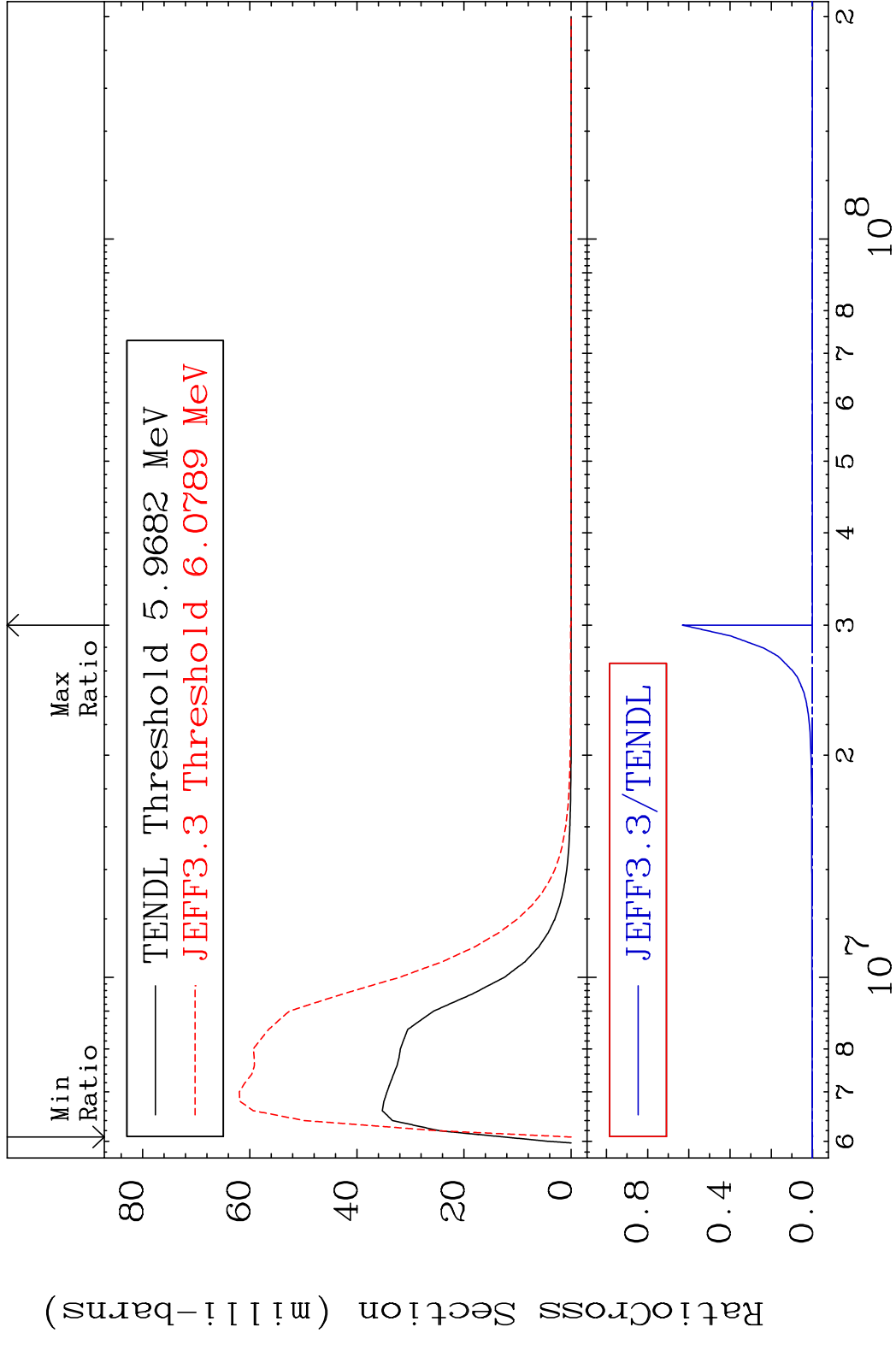
14-Si-32

MAT 1437

MT= 61 (n,n') Level

14-Si-32

Cross Section -100.0 To 9999. %

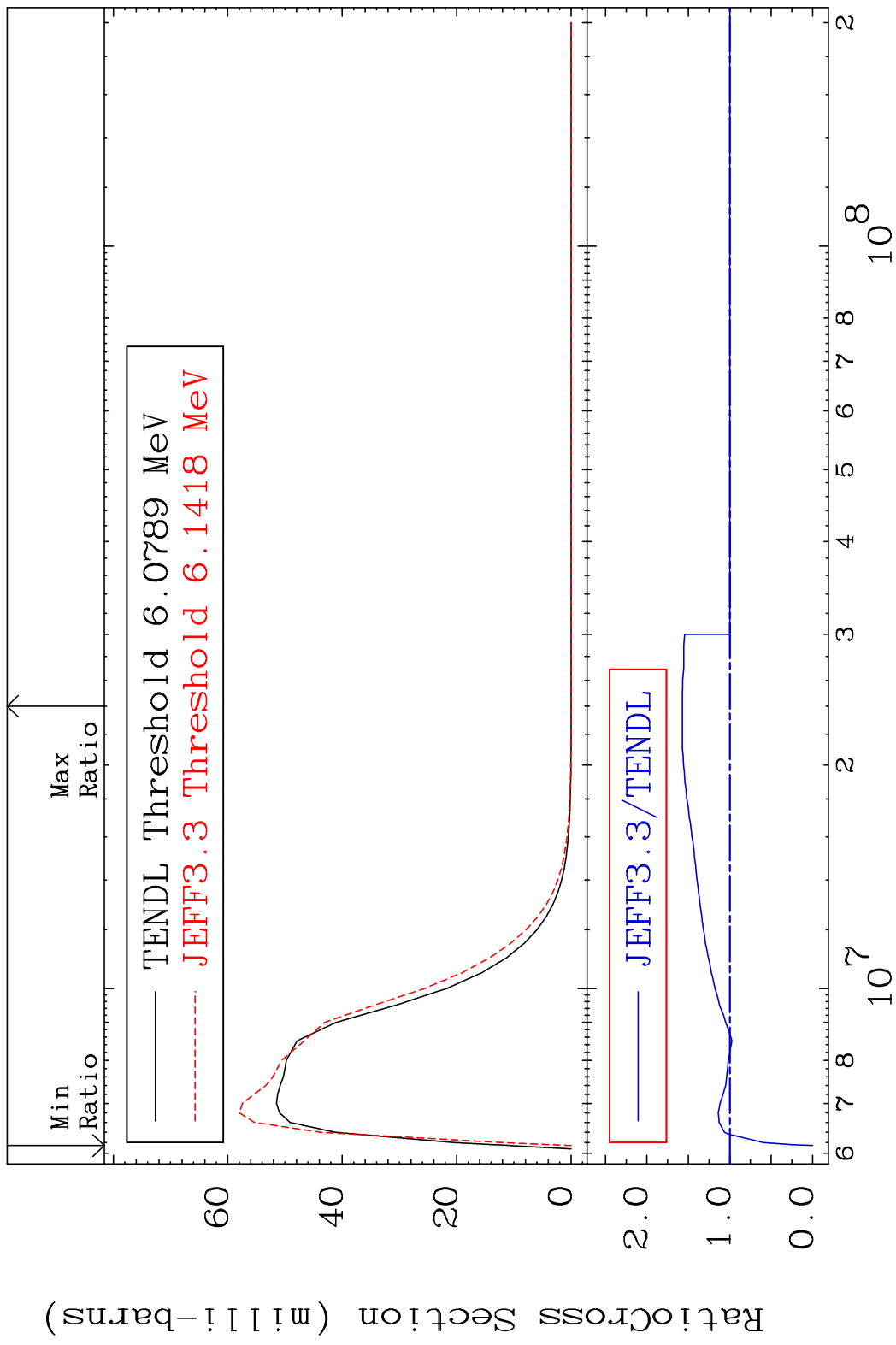


25

Incident Energy (eV)

14-Si-32

MAT 1437 MT= 62 (n, n') Level 14-Si-32
 Cross Section -100.0 To 57.18 %

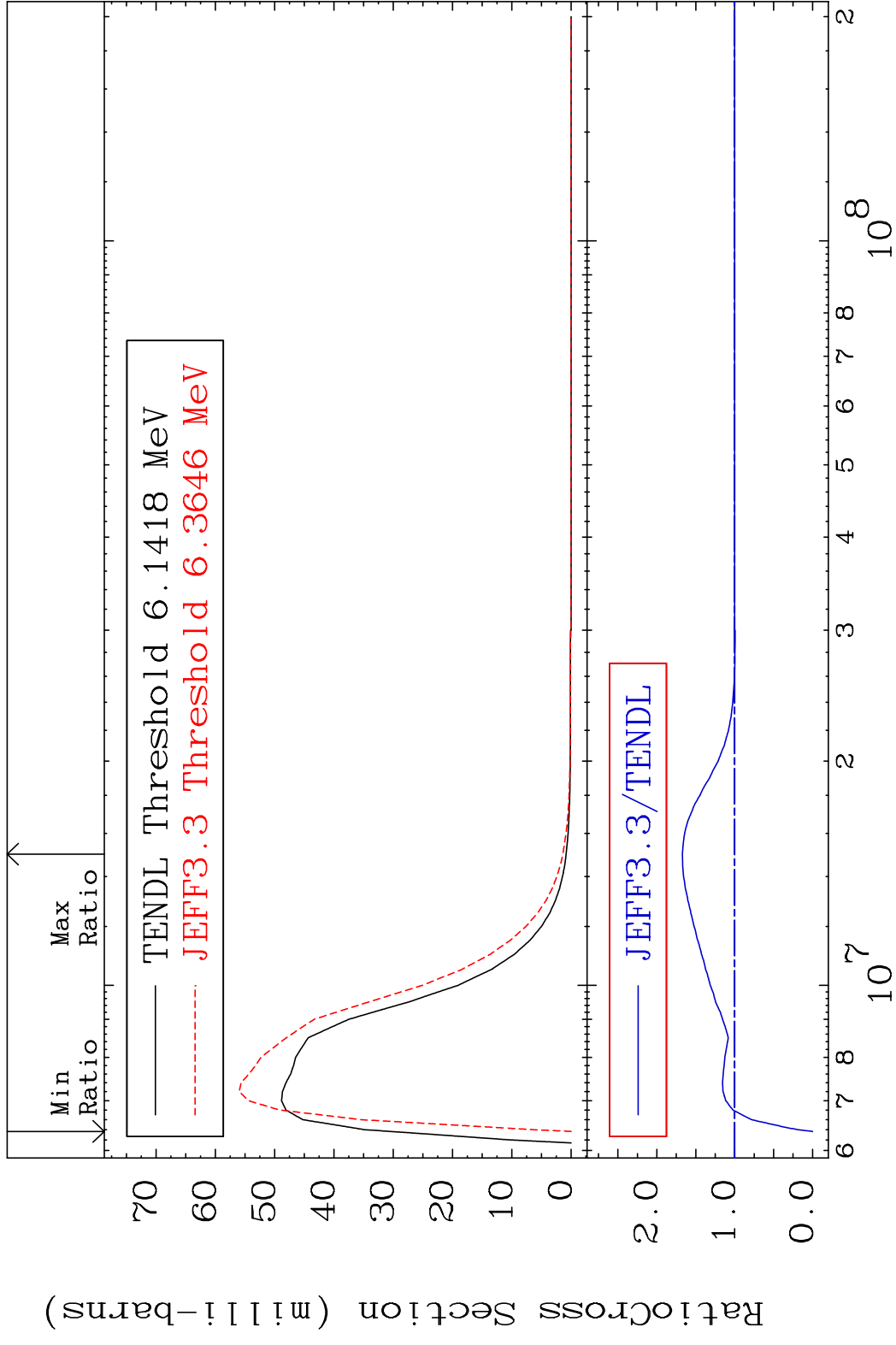


MAT 1437

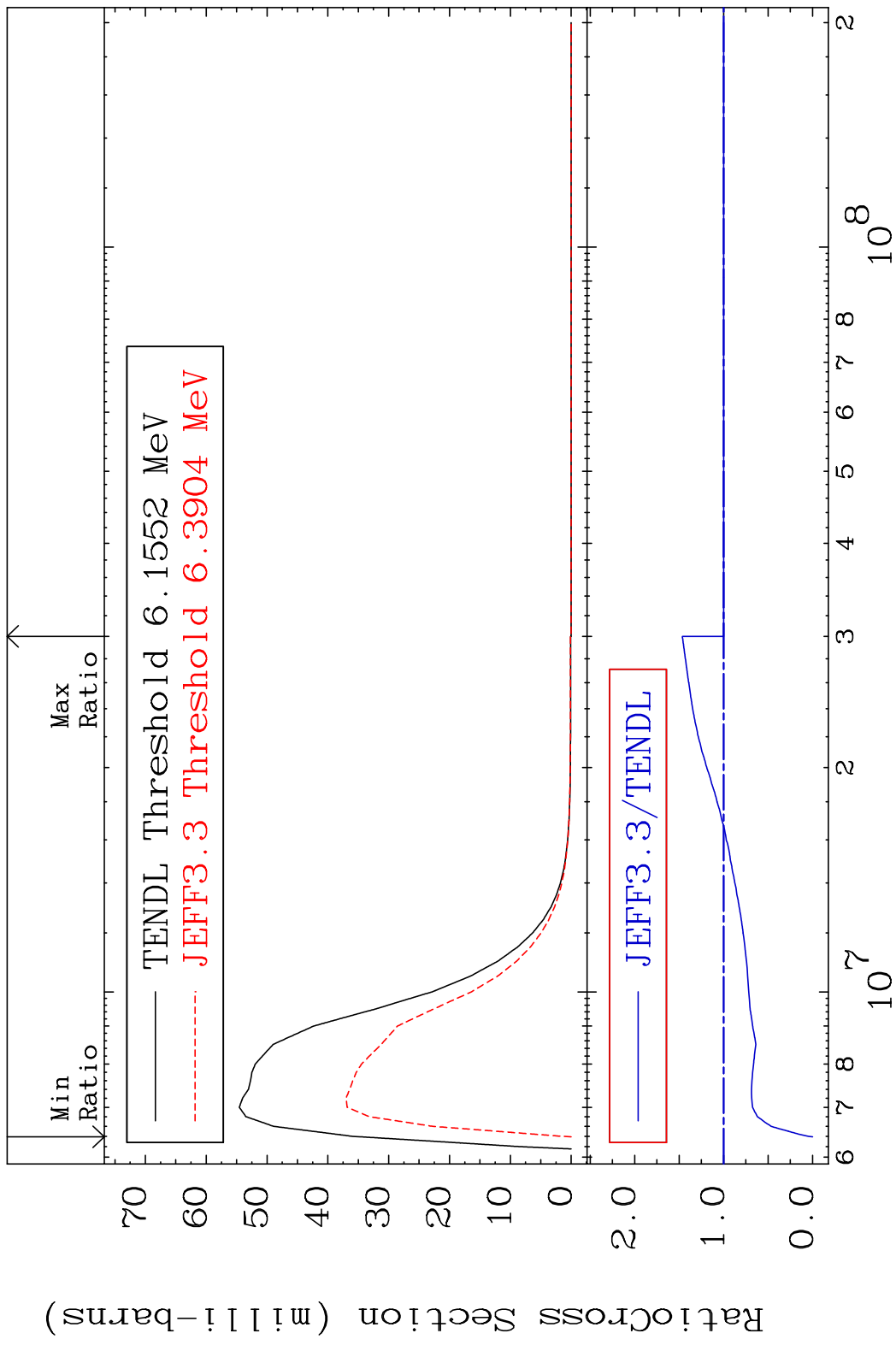
MT= 63 (n, n') Level

14-Si-32

Cross Section -100.0 To 67.26 %

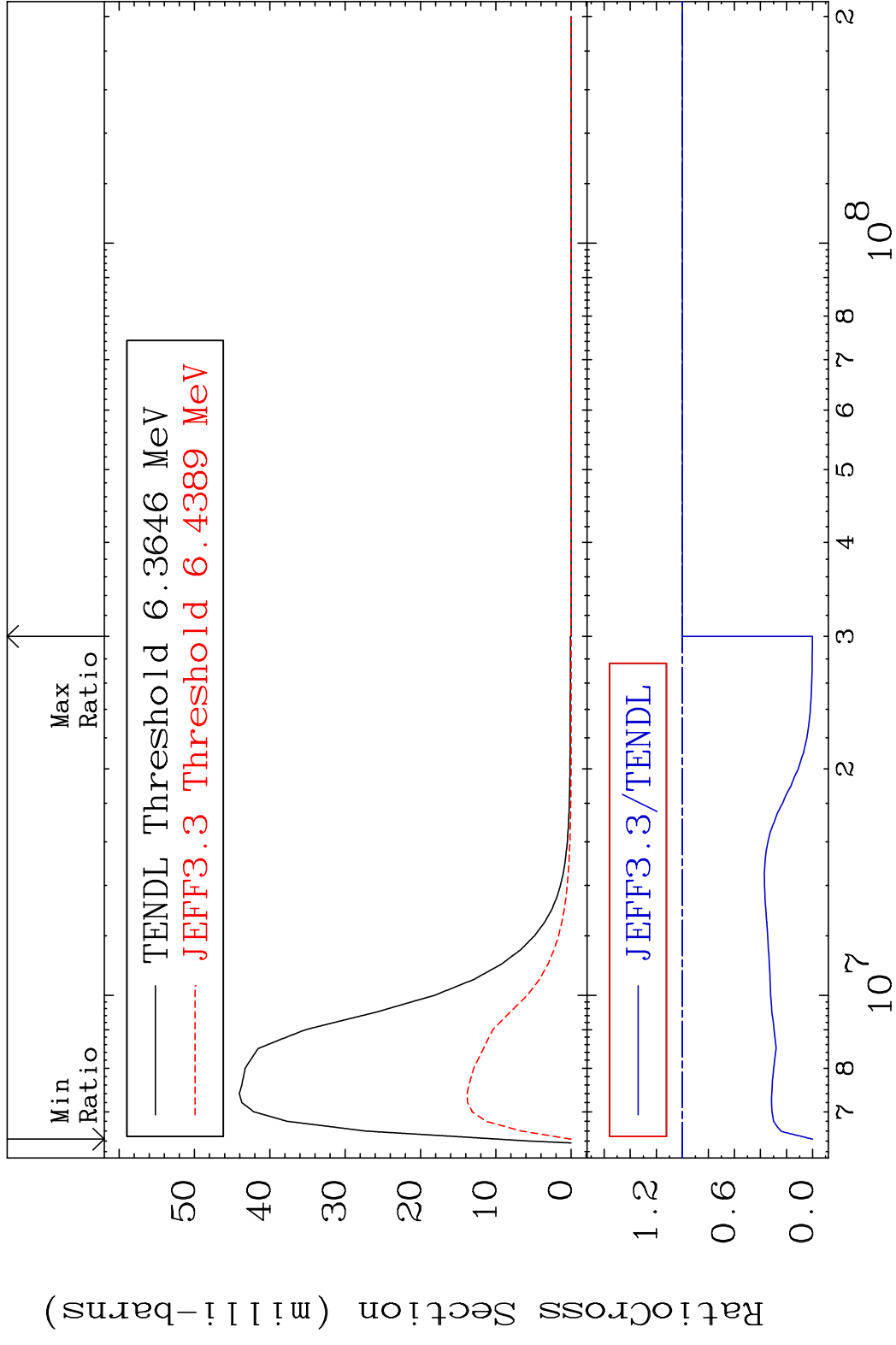


MAT 1437 MT= 64 (n,n') Level 14-Si-32
 Cross Section -100.0 To 46.40 %



28 14-Si-32

MAT 1437 MT= 65 (n, n') Level 14-Si-32
 Cross Section -100.0 To 0.000 %

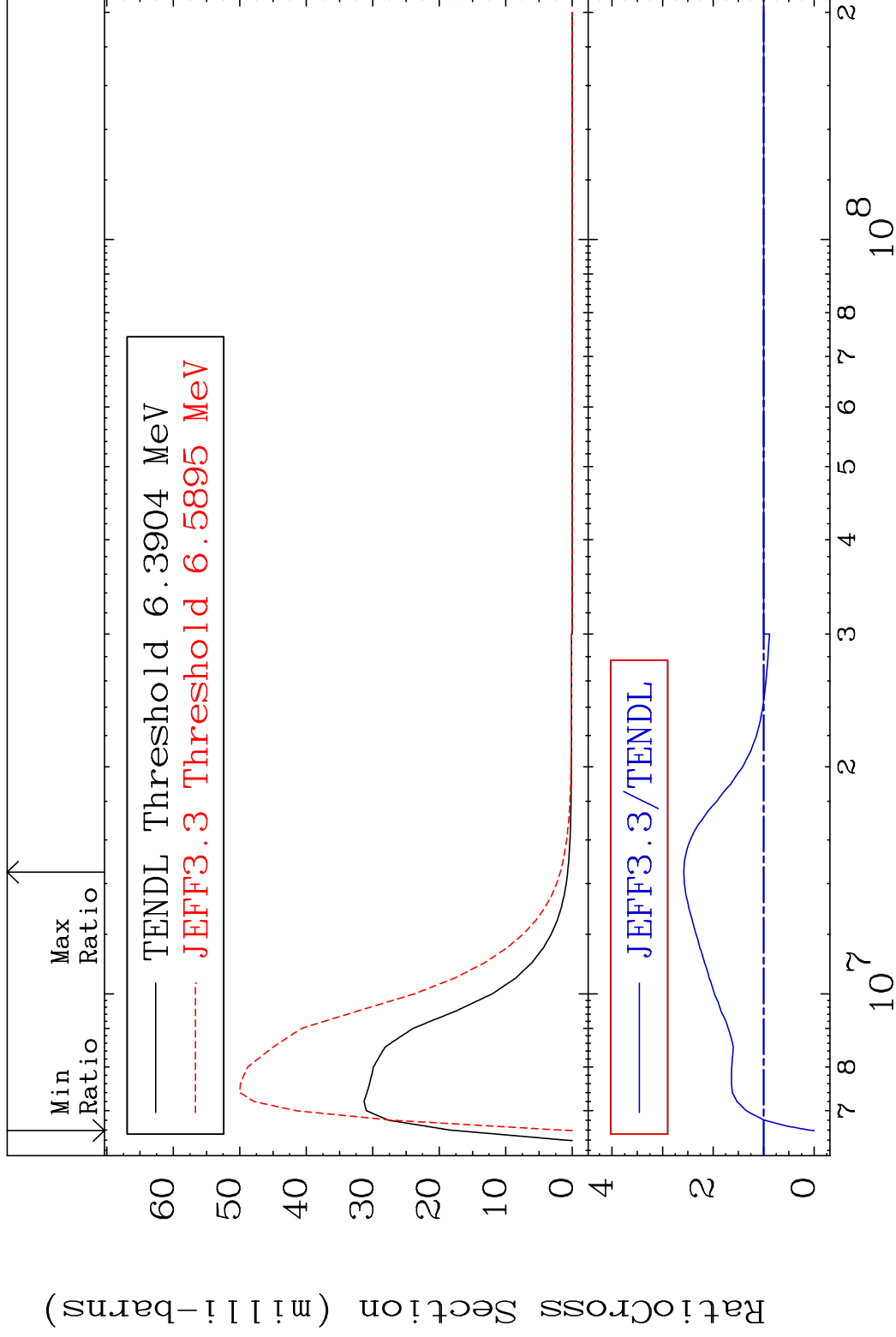


MAT 1437

MT= 66 (n,n') Level

14-Si-32

Cross Section -100.0 To 158.2 %

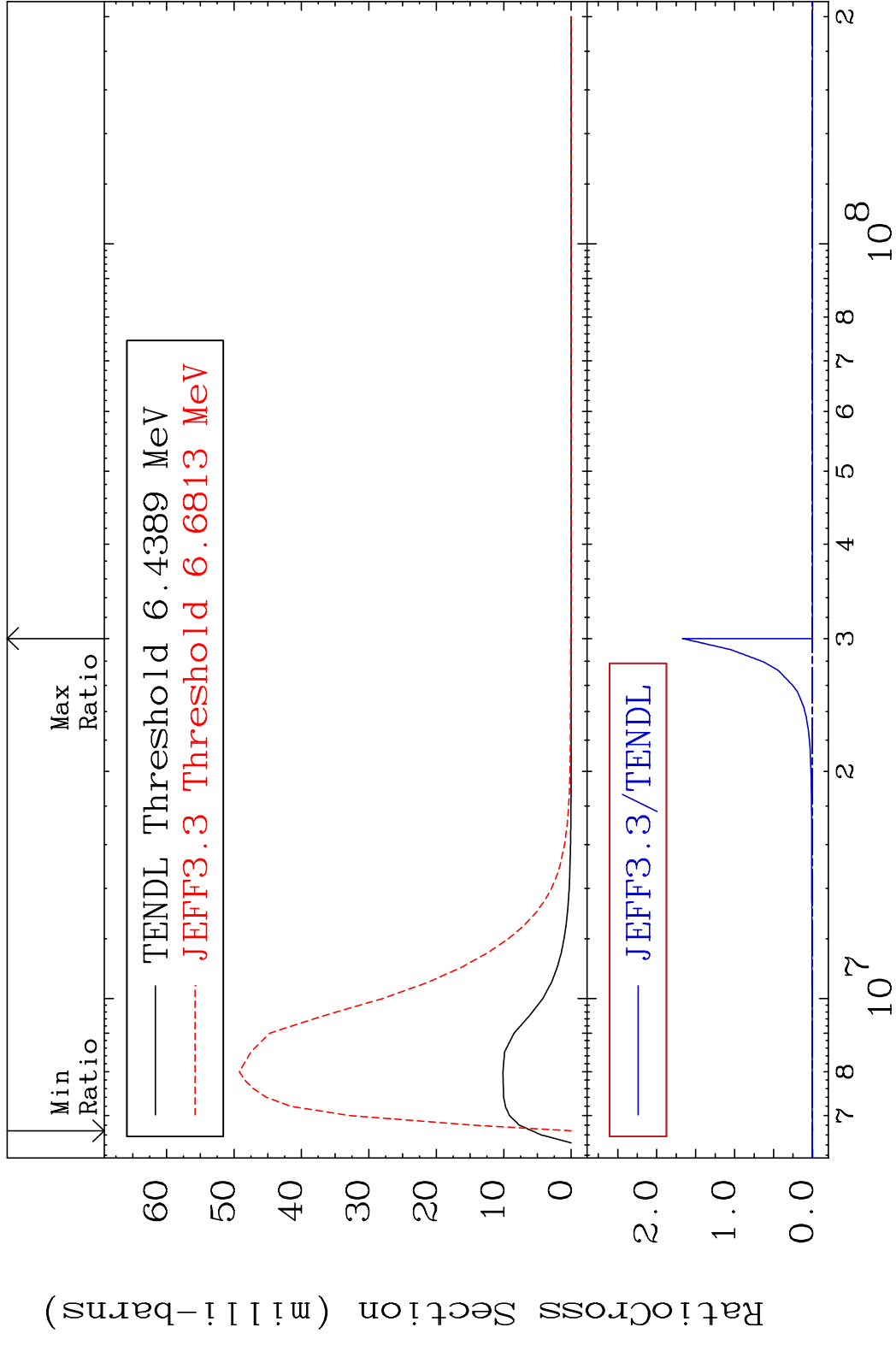


30

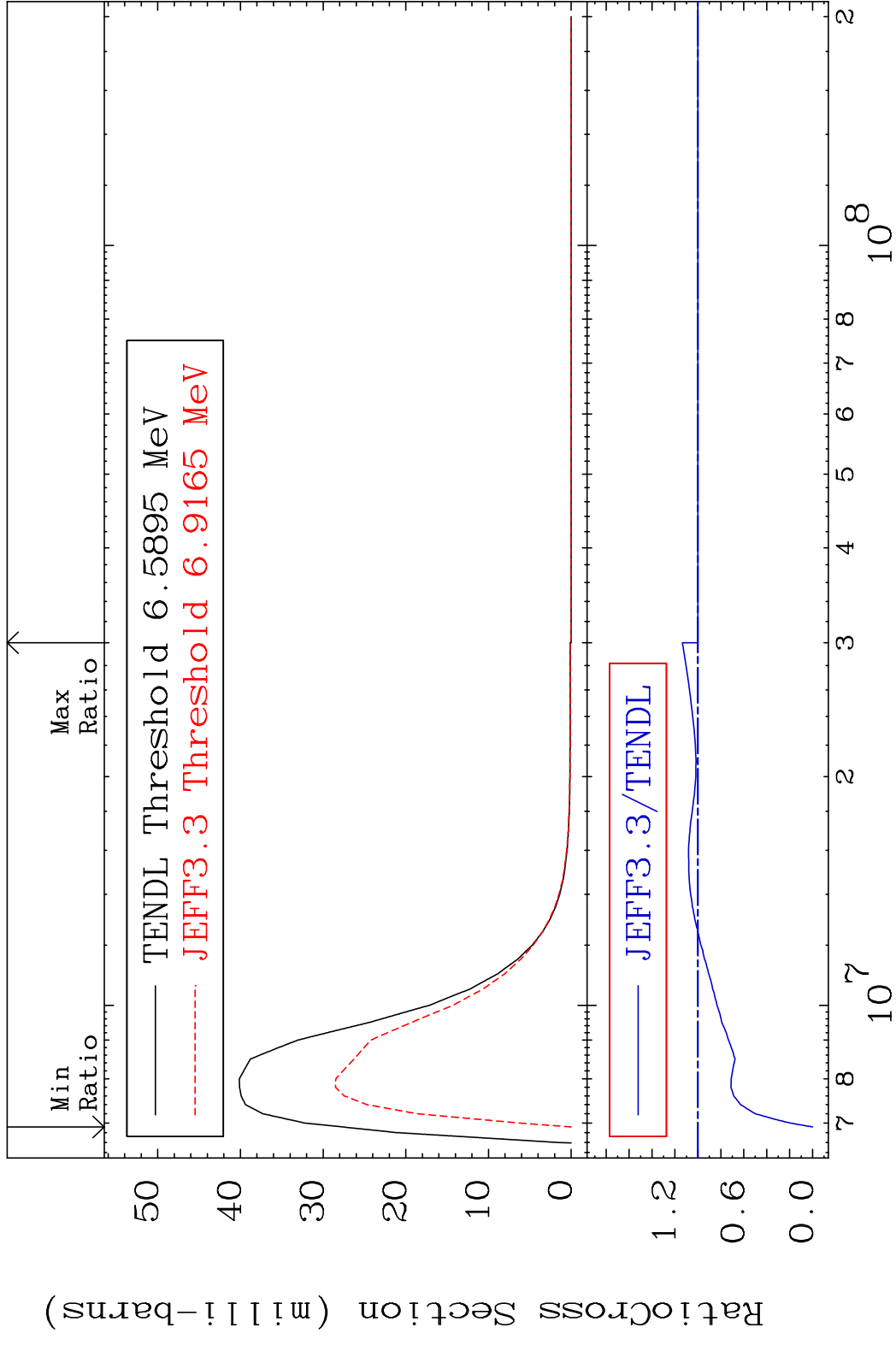
Incident Energy (eV)

14-Si-32

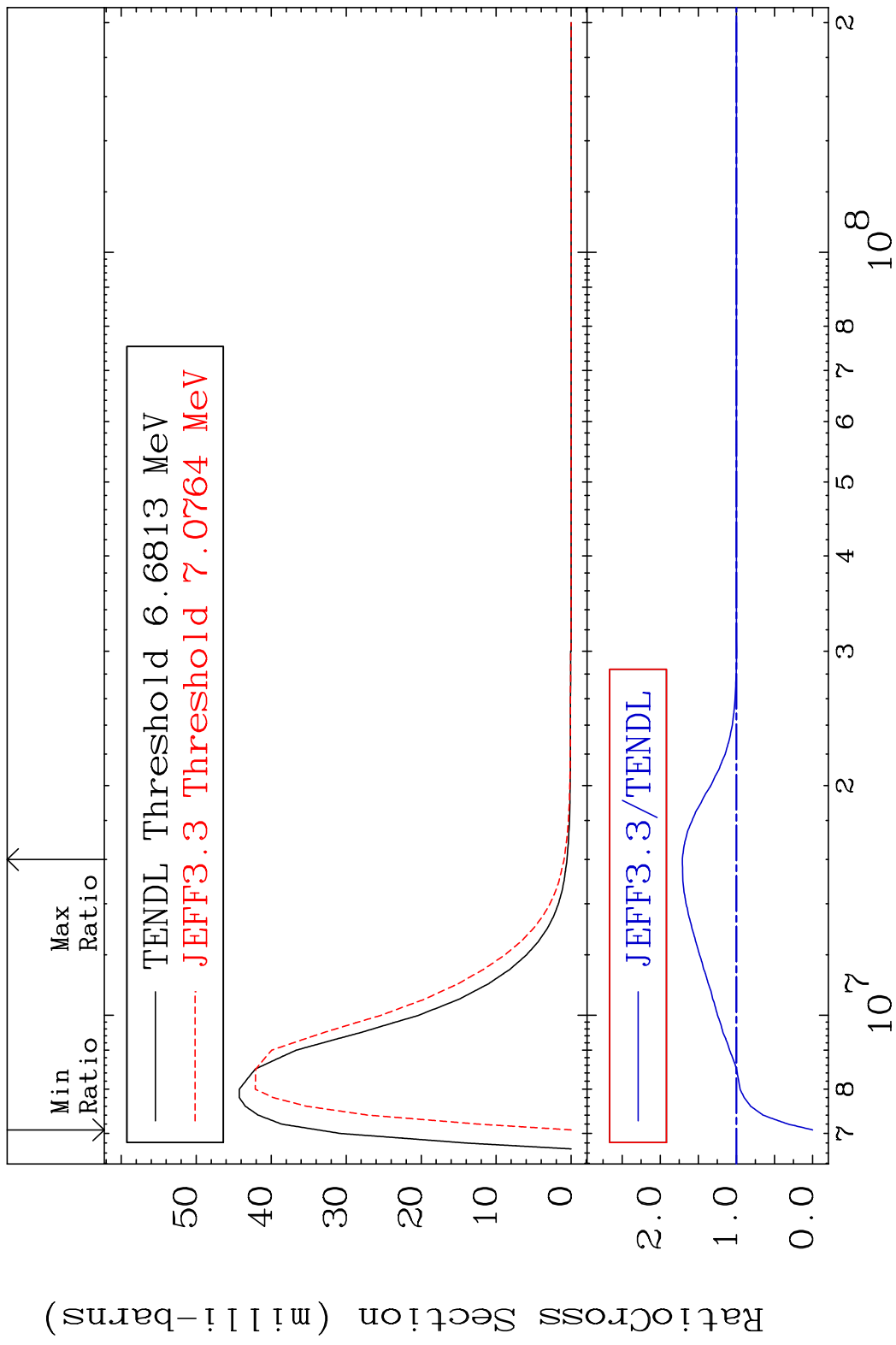
MAT 1437 MT= 67 (n, n') Level 14-Si-32
 Cross Section -100.0 To 9999. %



MAT 1437 MT= 68 (n, n') Level 14-Si-32
 Cross Section -100.0 To 13.56 %



MAT 1437 MT= 69 (n, n') Level 14-Si-32
 Cross Section -100.0 To 70.95 %



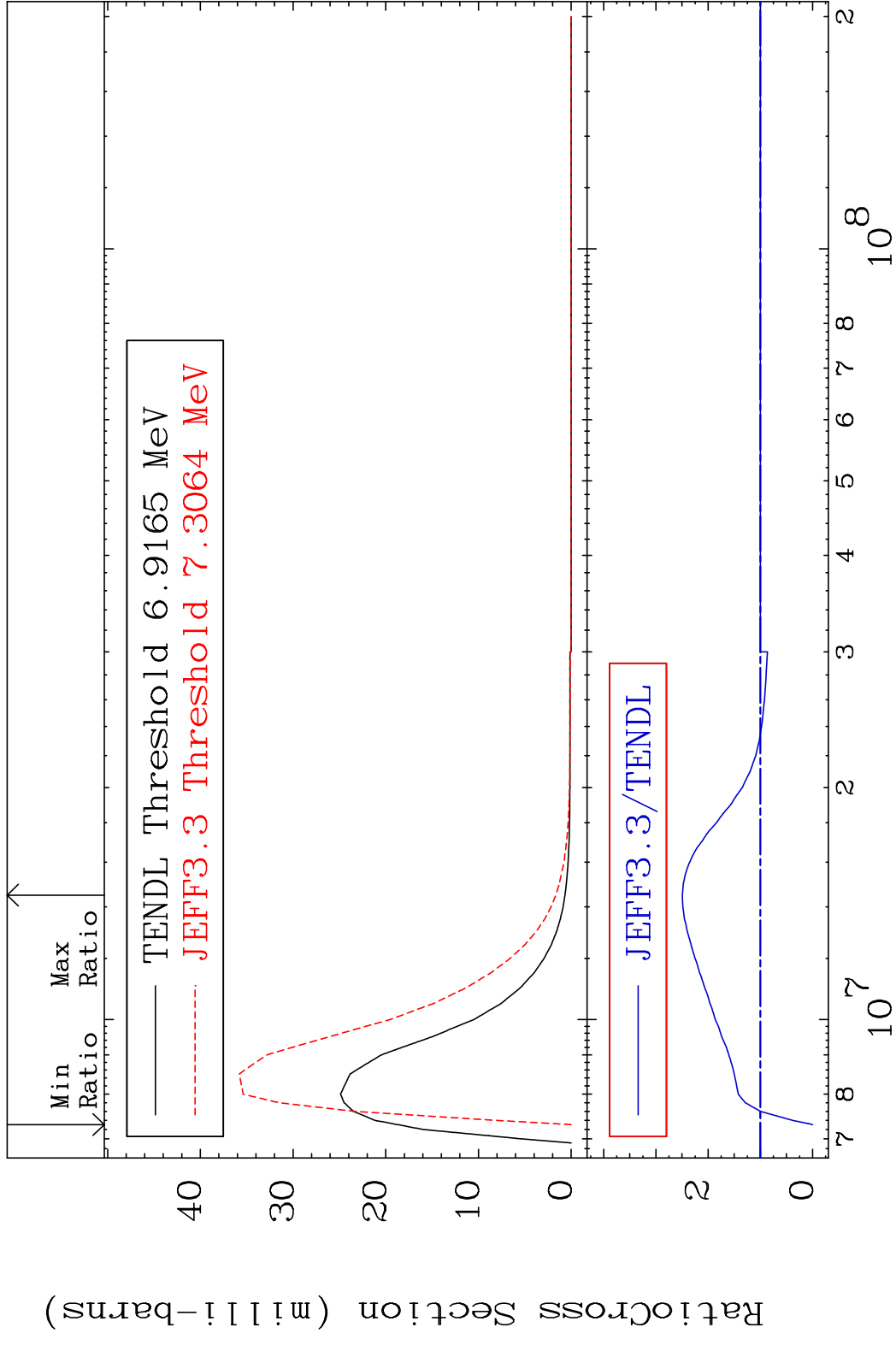
33 Incident Energy (eV) 14-Si-32

MAT 1437

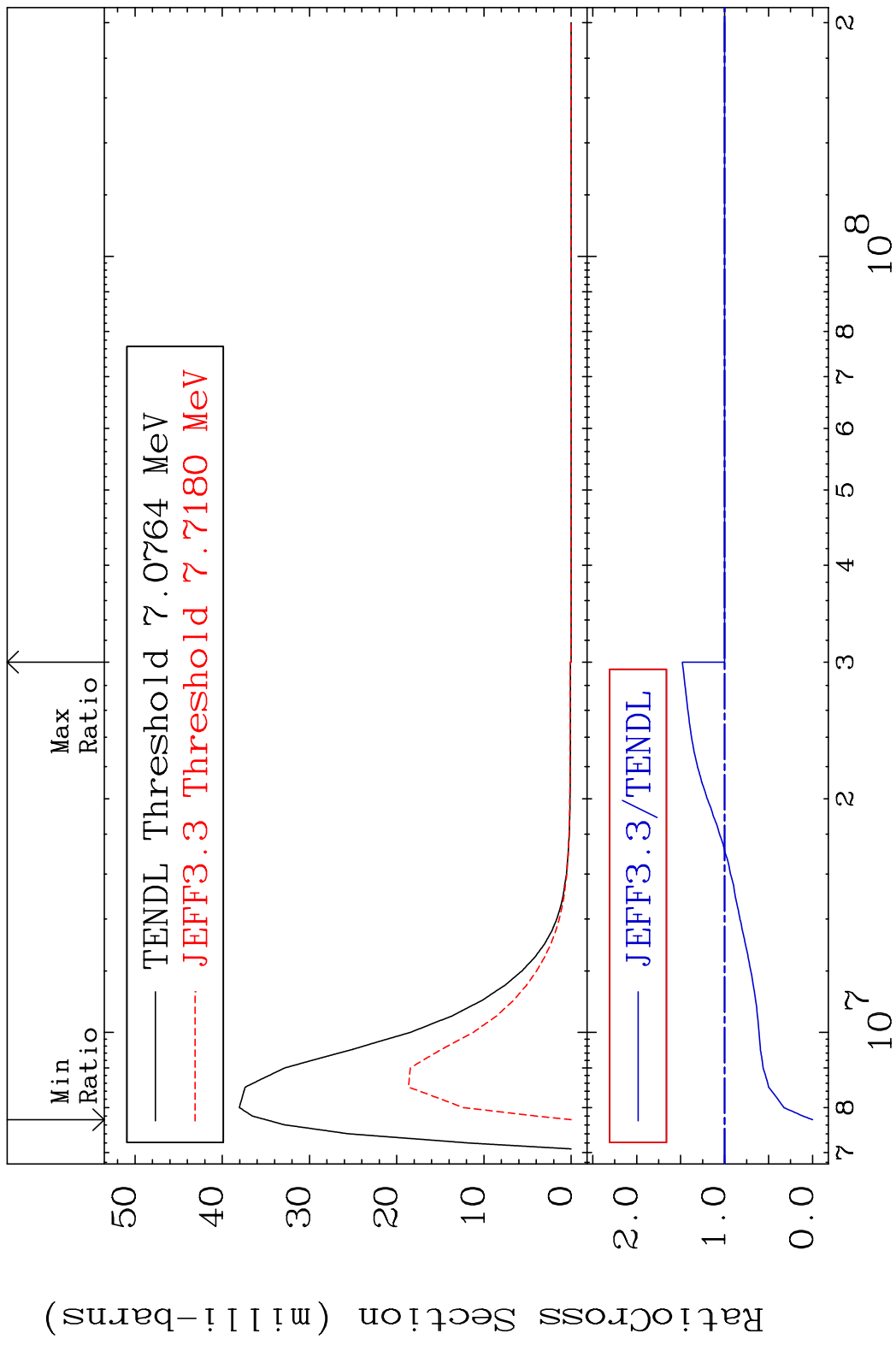
MT= 70 (n, n') Level

14-Si-32

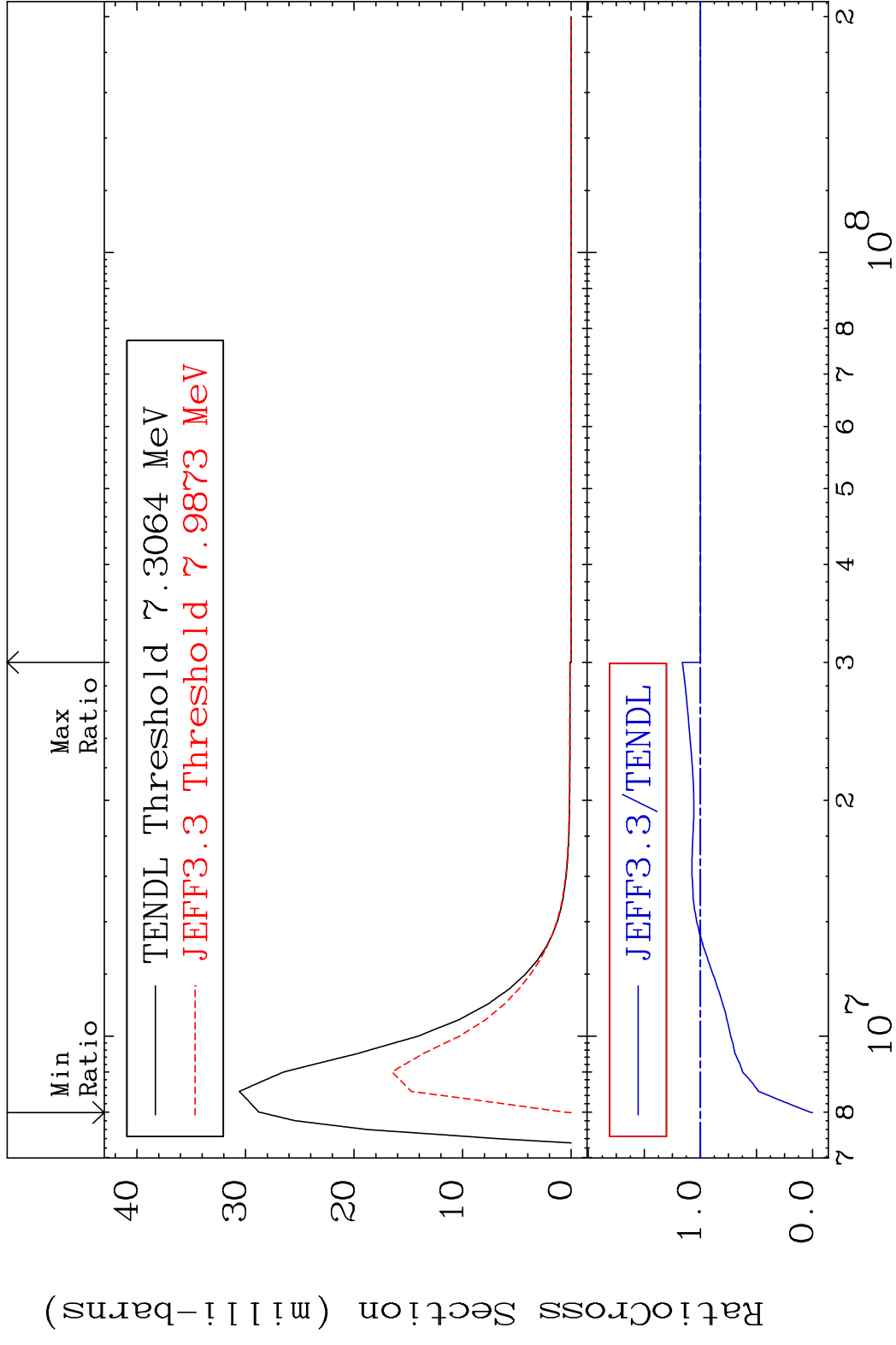
Cross Section -100.0 To 149.3 %



MAT 1437 MT= 71 (n,n') Level 14-Si-32
 Cross Section -100.0 To 48.05 %



MAT 1437 MT= 72 (n, n') Level 14-Si-32
 Cross Section -100.0 To 16.09 %

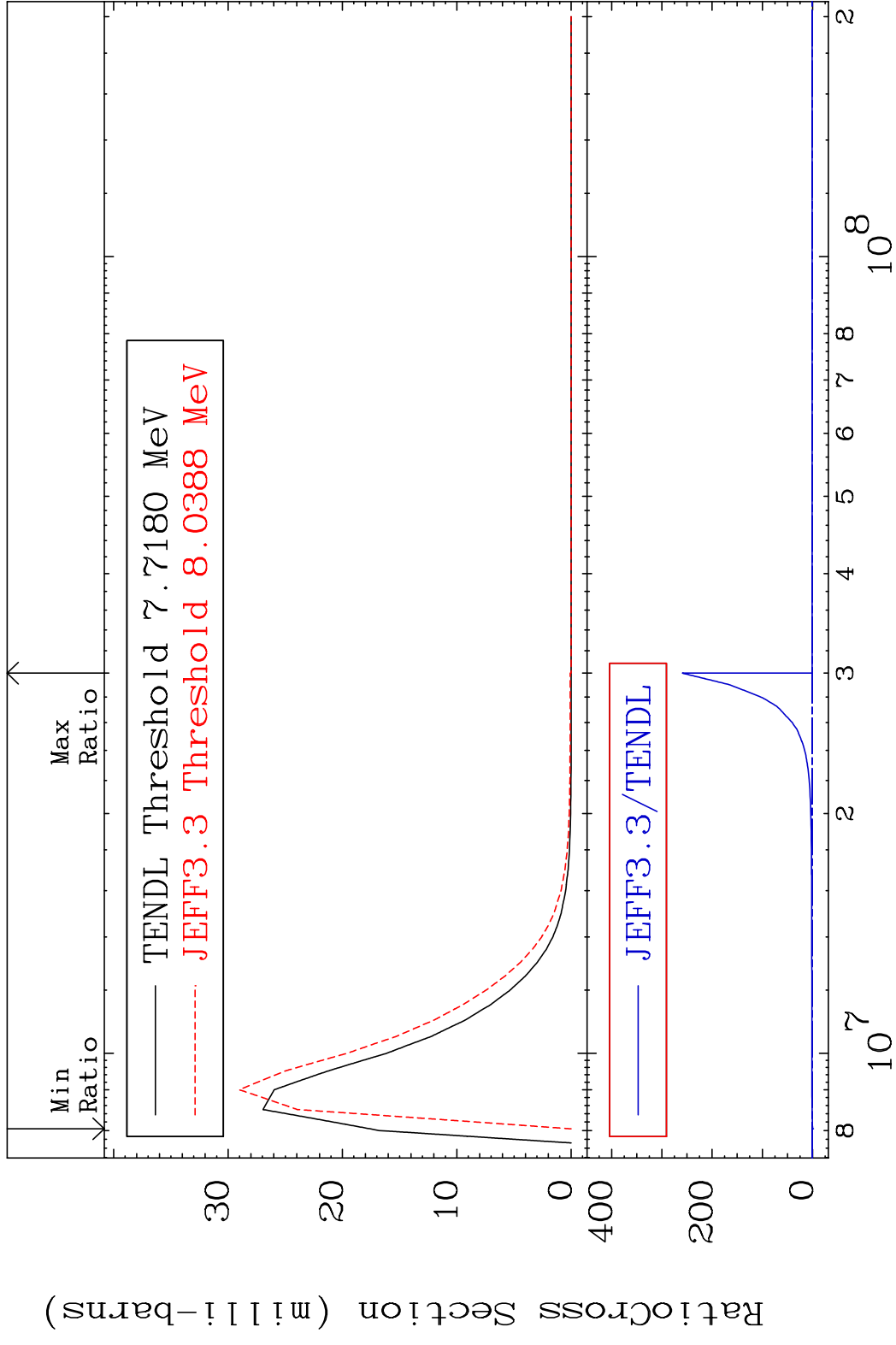


MAT 1437

MT= 73 (n, n') Level

14-Si-32

Cross Section -100.0 To 9999. %

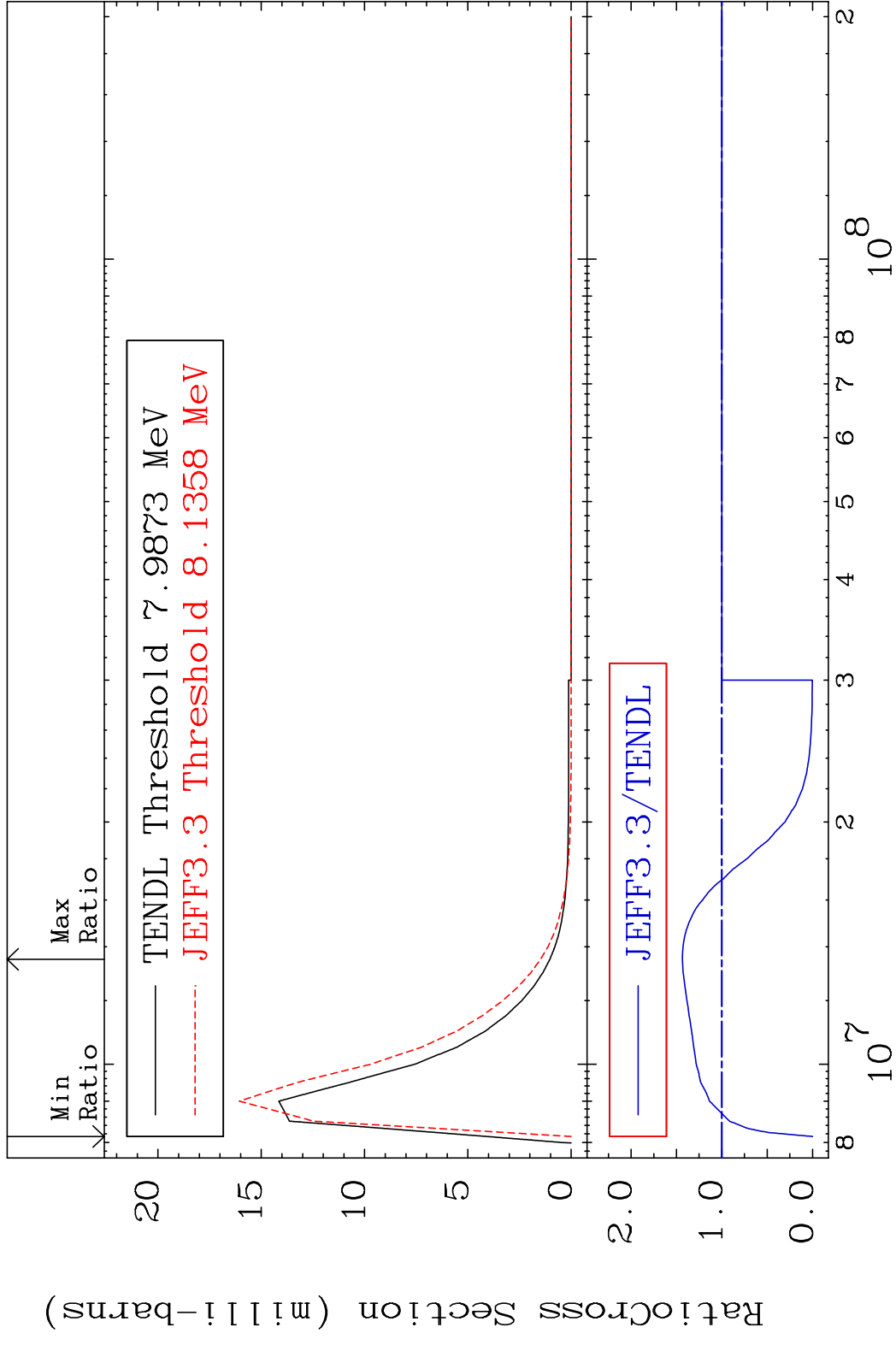


37

Incident Energy (eV)

14-Si-32

MAT 1437 MT= 74 (n, n') Level 14-Si-32
 Cross Section -100.0 To 43.51 %

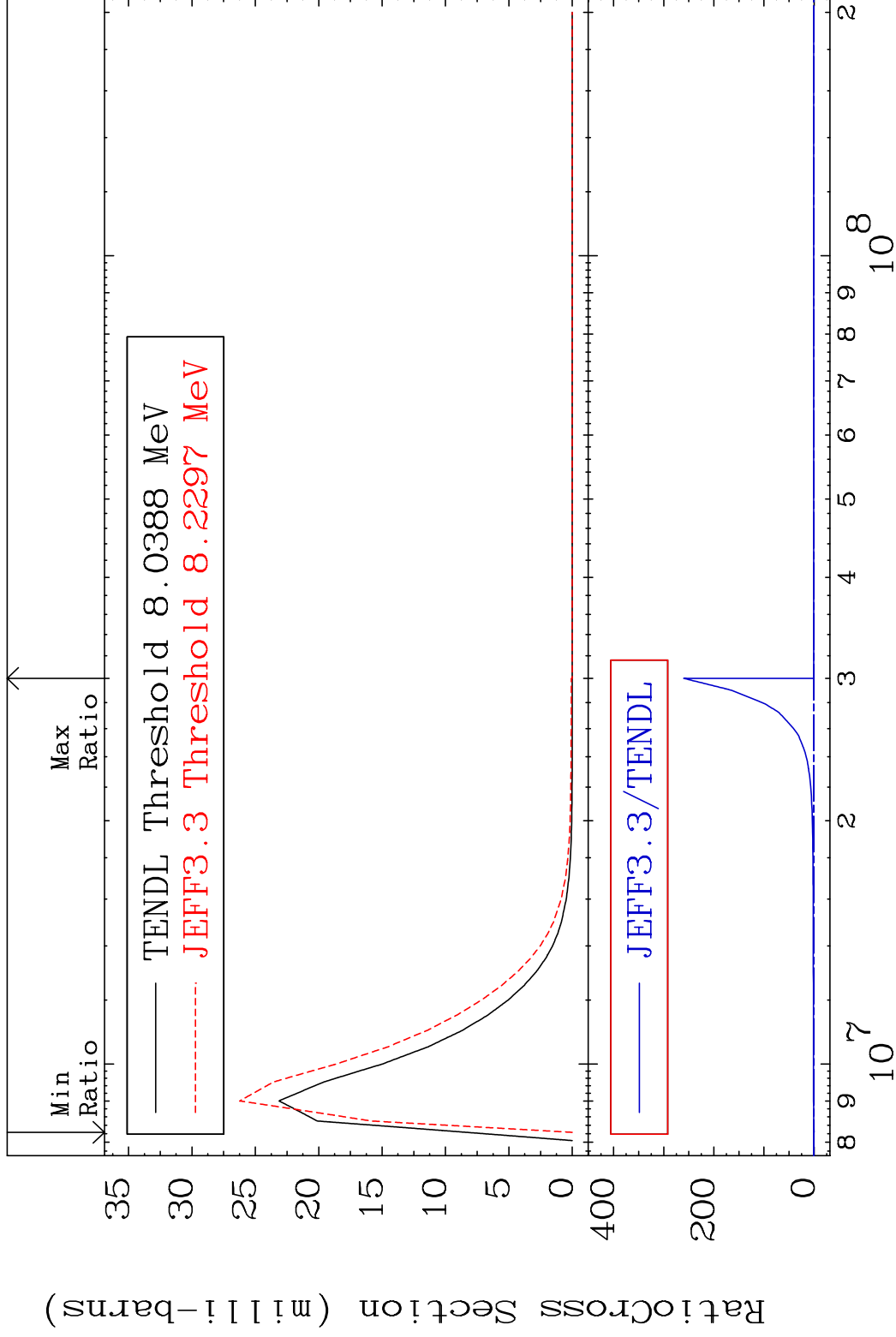


MAT 1437

MT= 75 (n, n') Level

14-Si-32

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

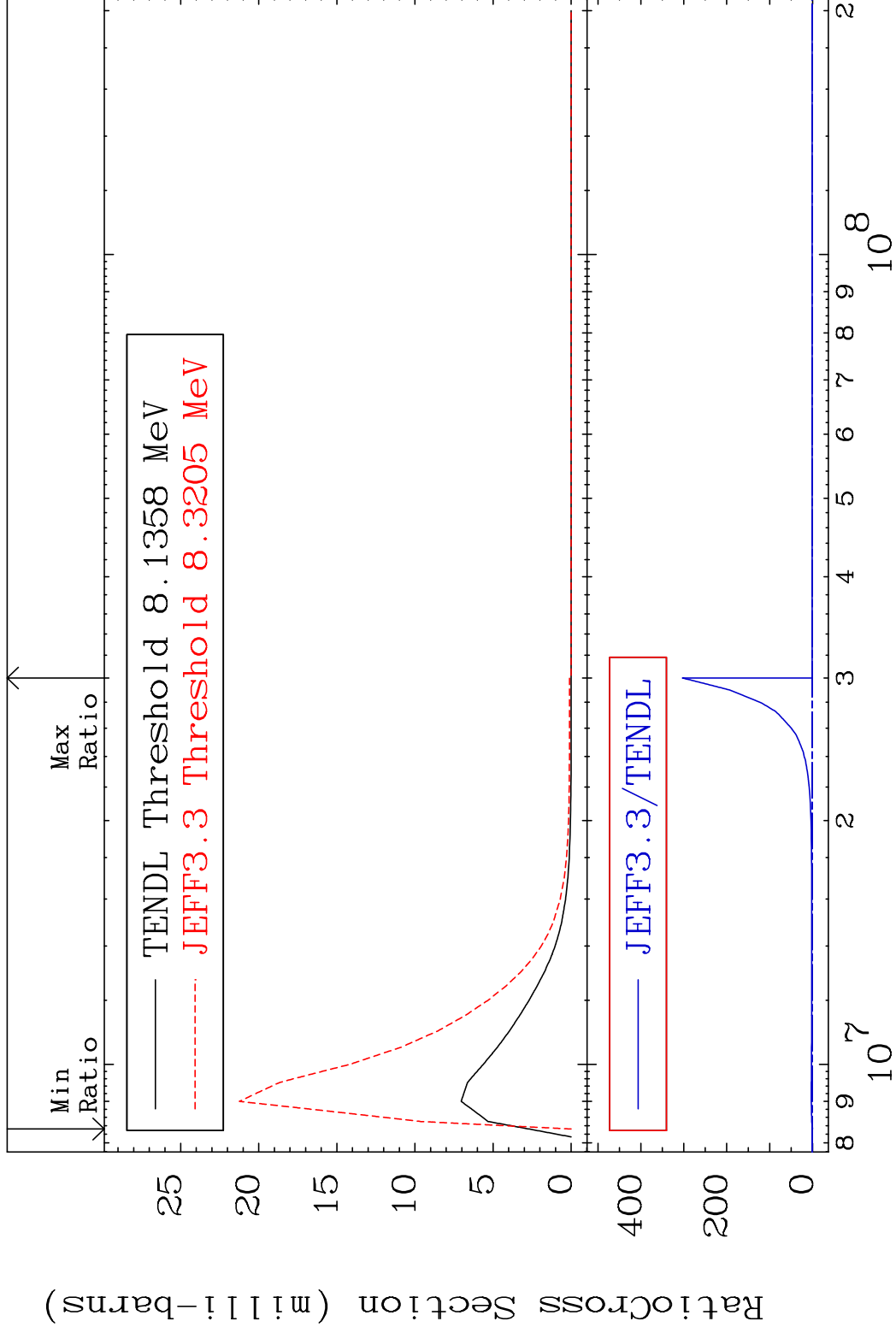
14-Si-32

MAT 1437

MT= 76 (n, n') Level

14-Si-32

Cross Section -100.0 To 9999. %

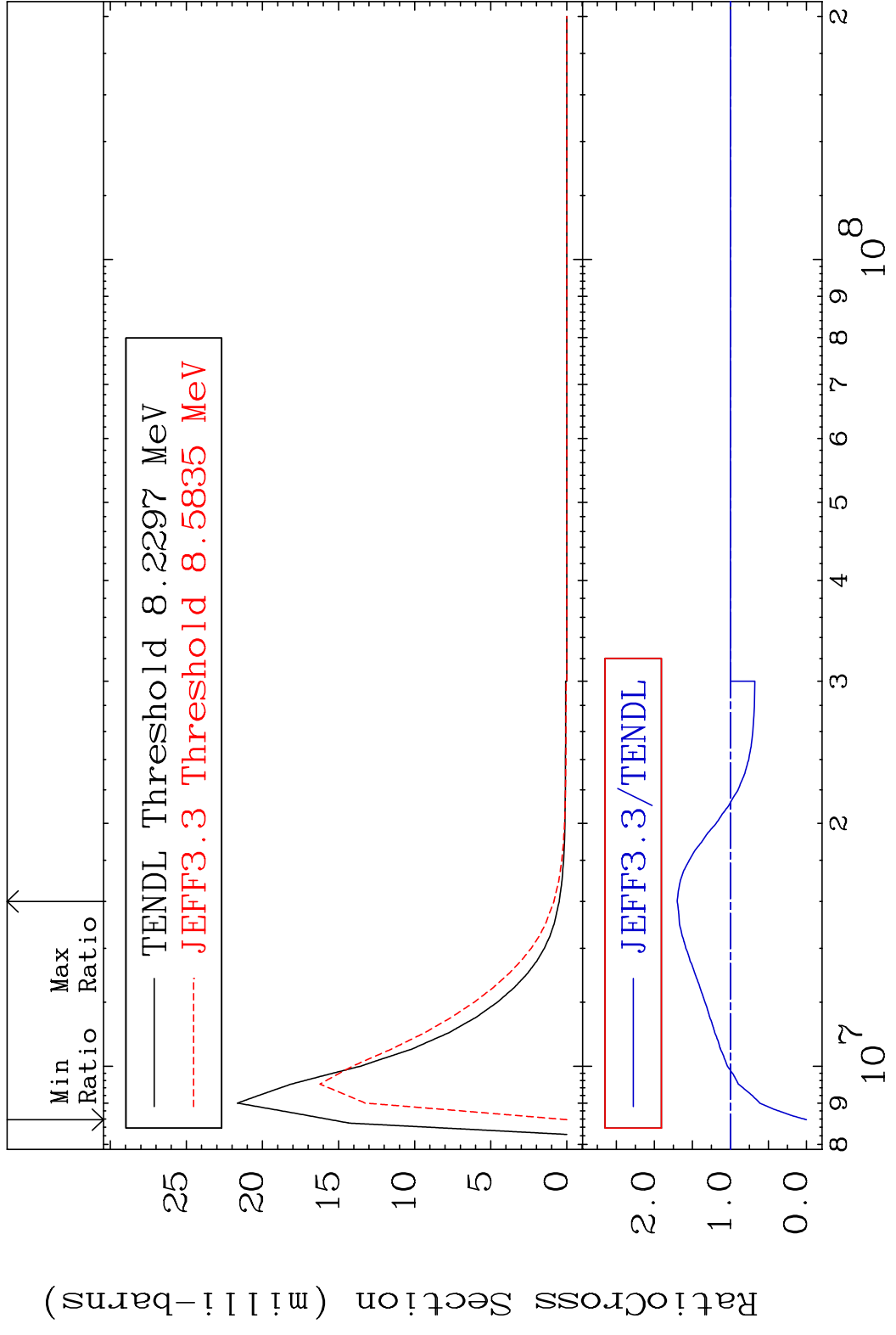


40

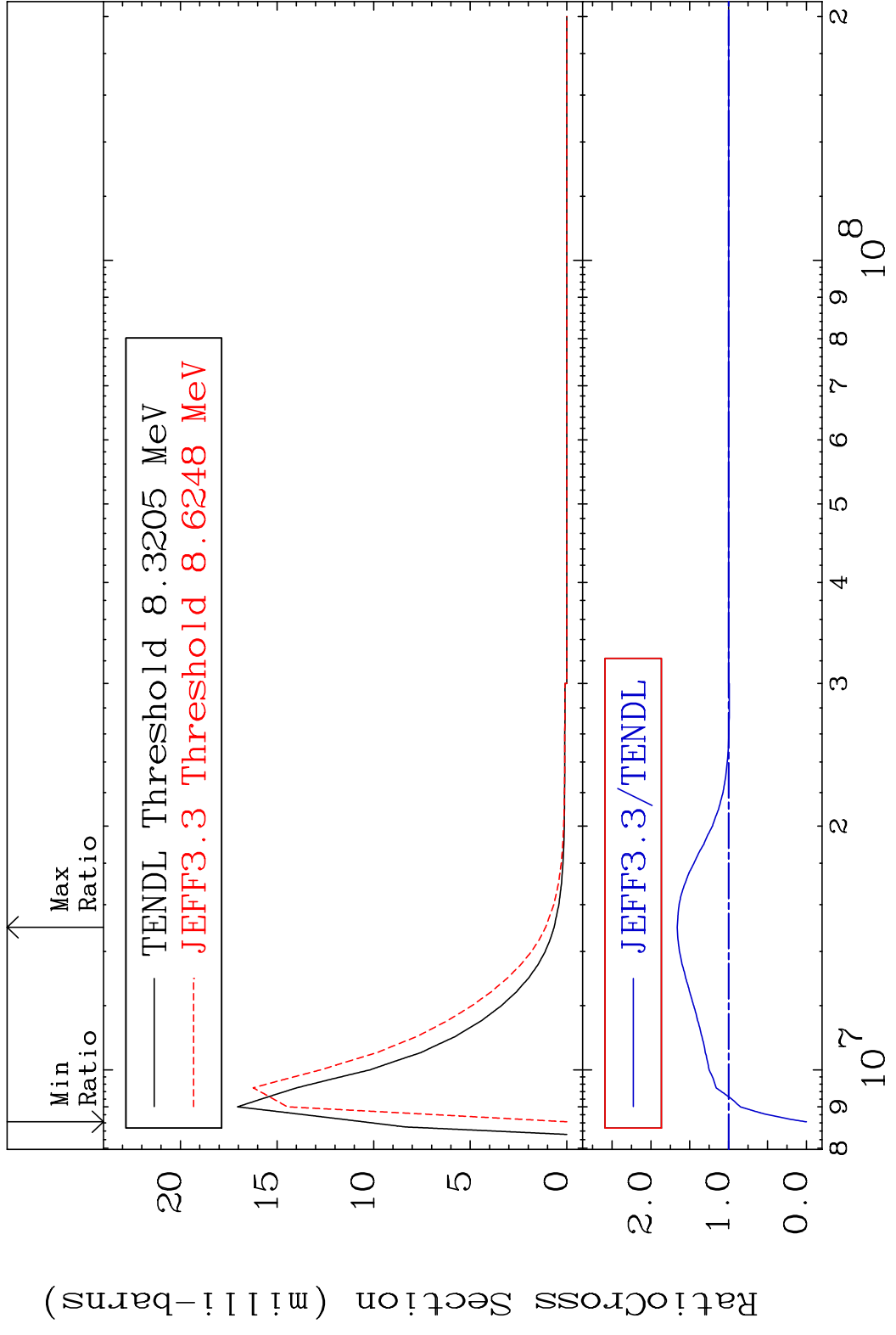
Incident Energy (eV)

14-Si-32

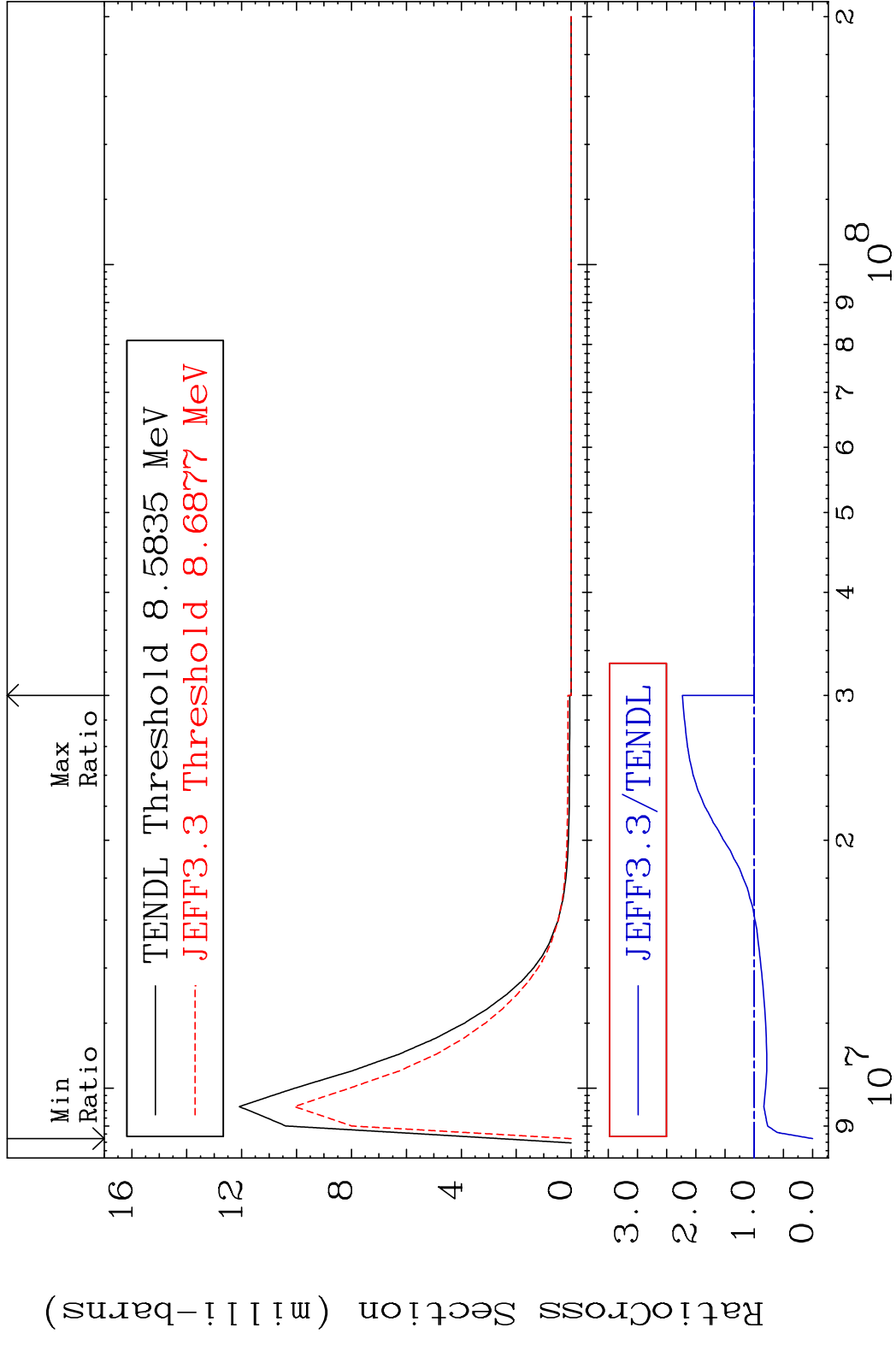
MAT 1437 MT= 77 (n, n') Level 14-Si-32
 Cross Section -100.0 To 69.95 %



MAT 1437 MT= 78 (n, n') Level 14-Si-32
 Cross Section -100.0 To 66.18 %



MAT 1437 MT= 79 (n,n') Level 14-Si-32
 Cross Section -100.0 To 123.0 %



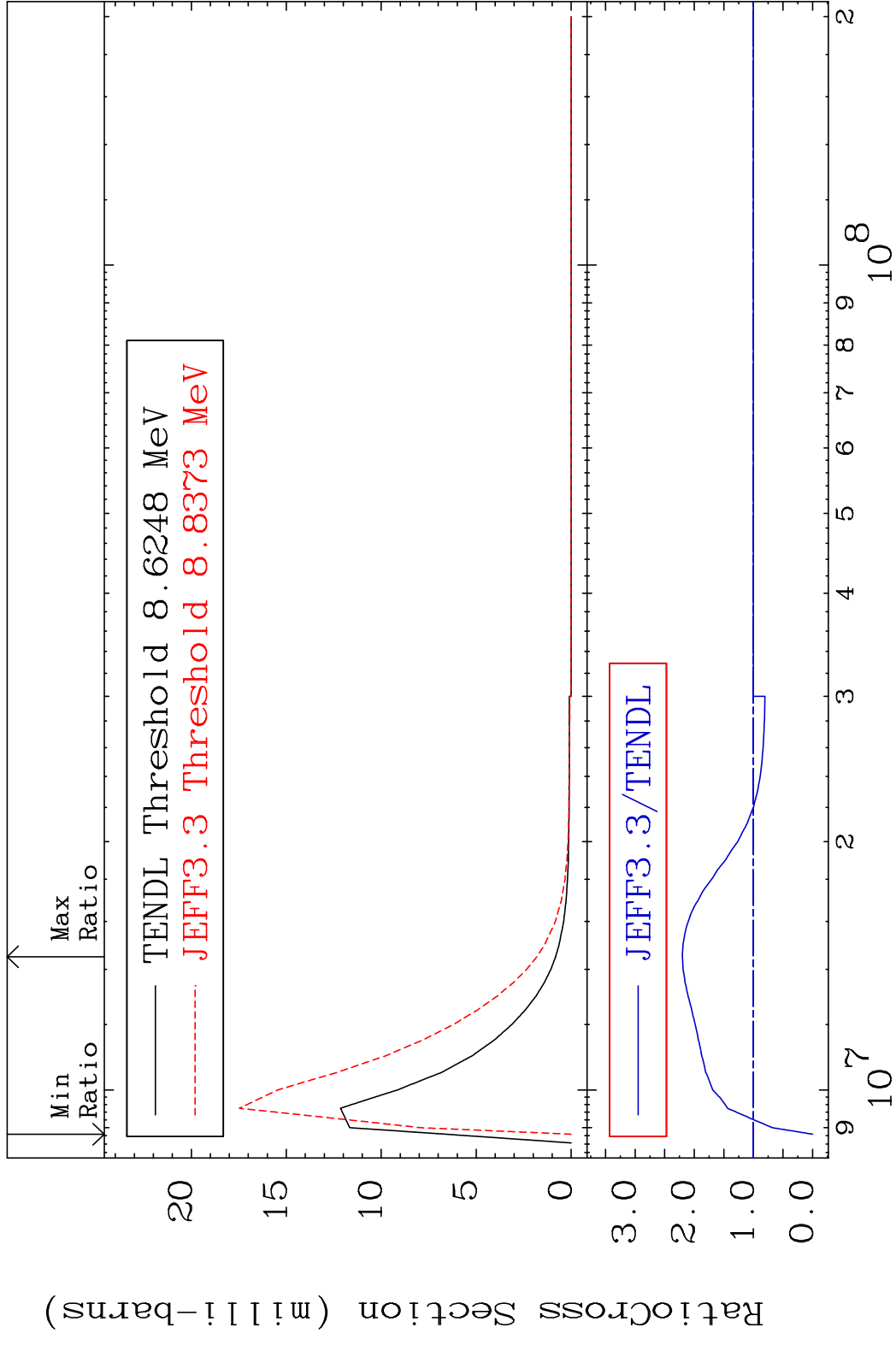
43 Incident Energy (eV) 14-Si-32

MAT 1437

MT= 80 (n, n') Level

14-Si-32

Cross Section -100.0 To 120.1 %



44

Incident Energy (eV)

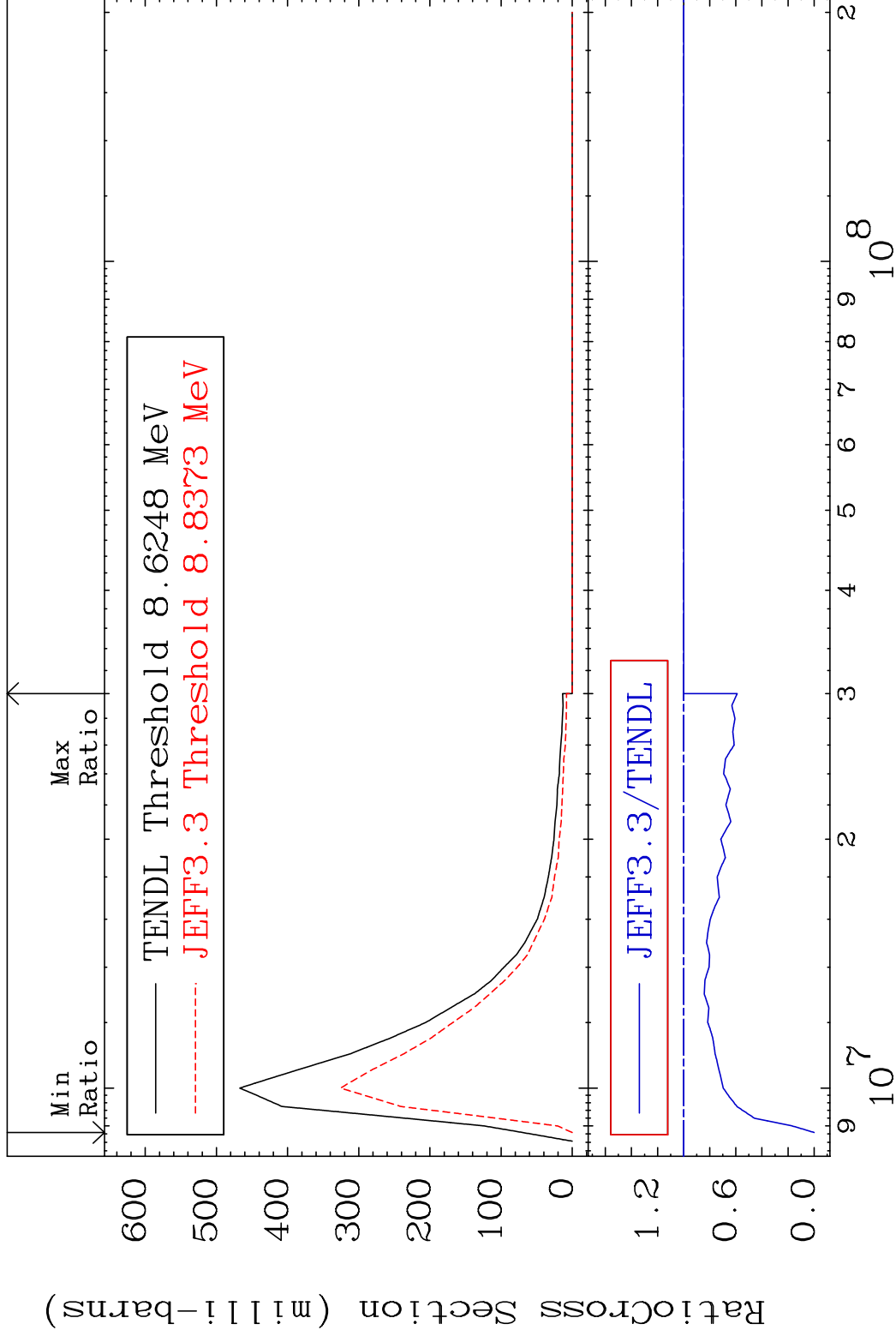
14-Si-32

MAT 1437

(n, n') Continuum

¹⁴Si-32

Cross Section -100.0 To 0.000 %



45

Incident Energy (eV)

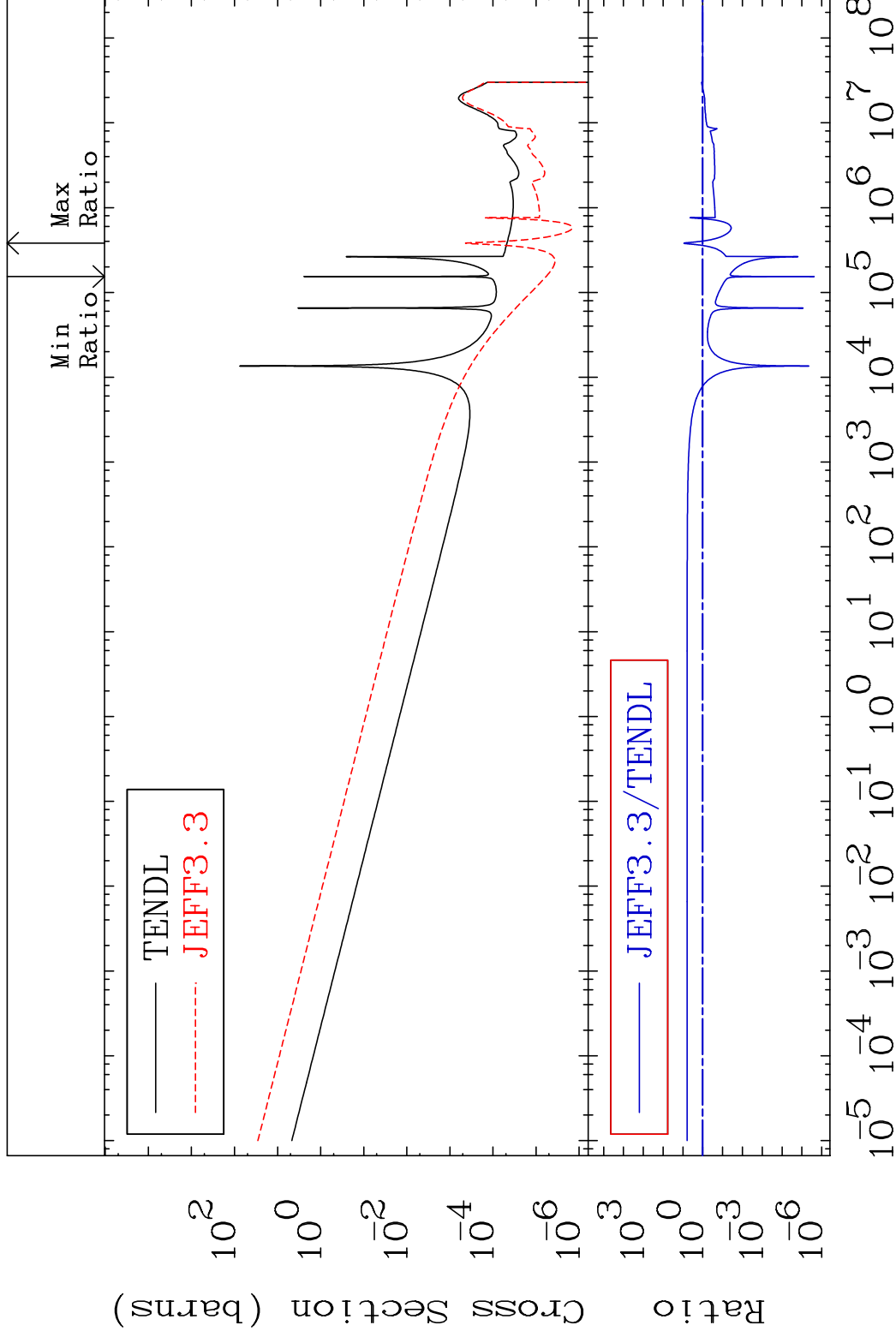
¹⁴Si-32

MAT 1437

(n, γ)

14-Si-32

Cross Section -100.0 To 819.6 %



46

Incident Energy (eV)

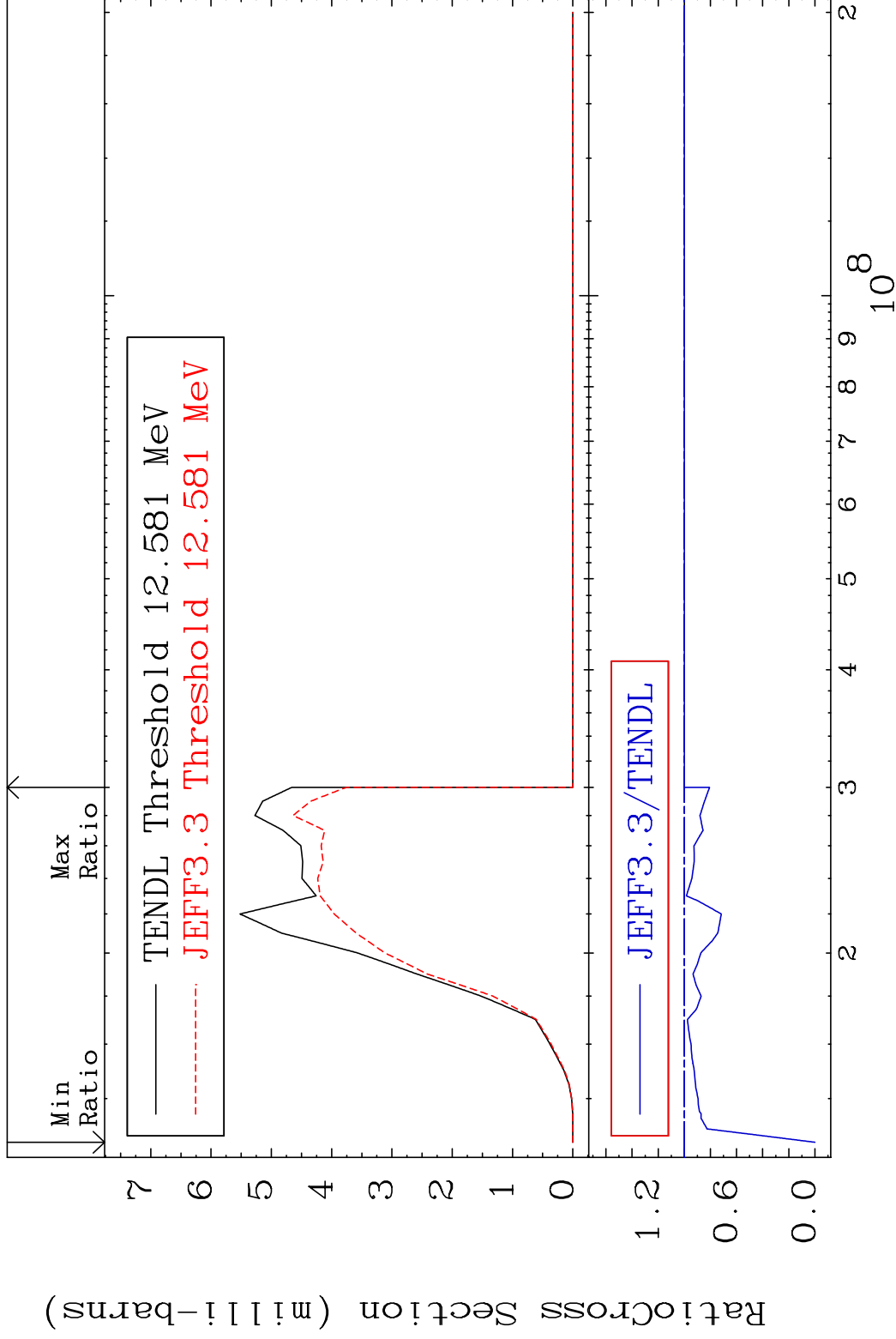
14-Si-32

MAT 1437

(n, p)

14-Si-32

Cross Section -100.0 To 0.000 %



47

Incident Energy (eV)

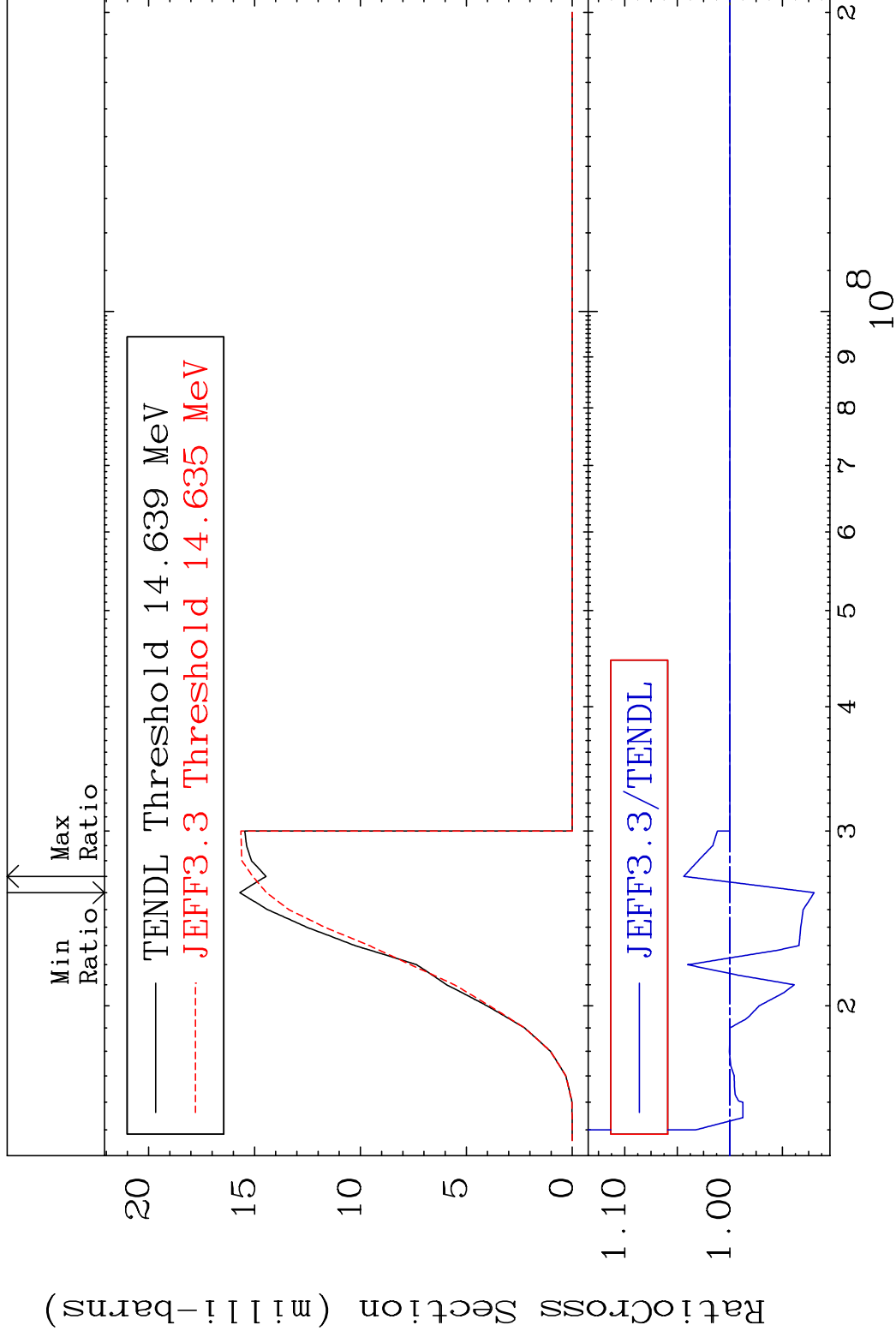
14-Si-32

MAT 1437

(n, d)

14-Si-32

Cross Section -8.026 To 4.390 %



48

Incident Energy (eV)

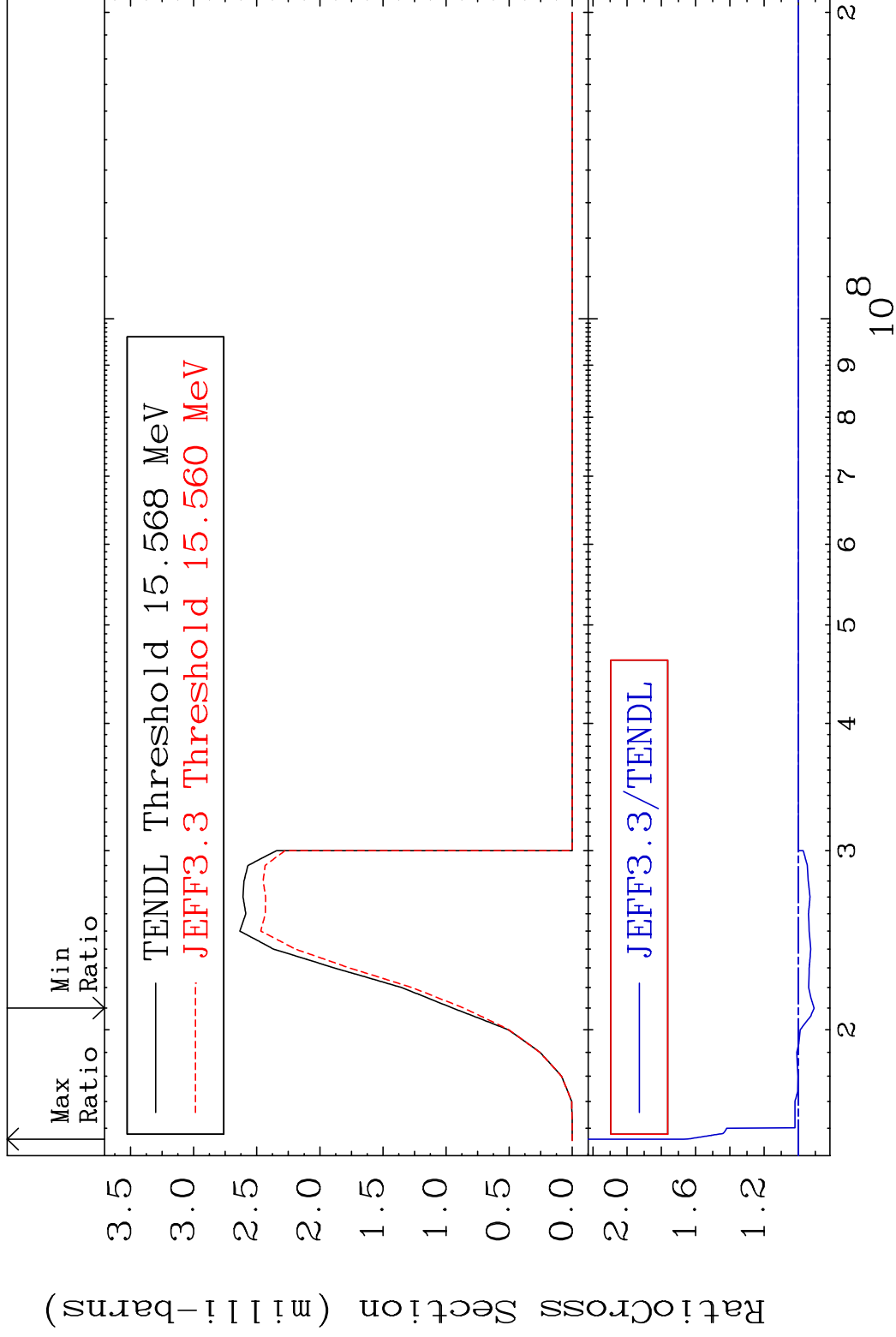
14-Si-32

MAT 1437

(n, t)

14-Si-32

Cross Section -9.245 To 66.97 %



49

Incident Energy (eV)

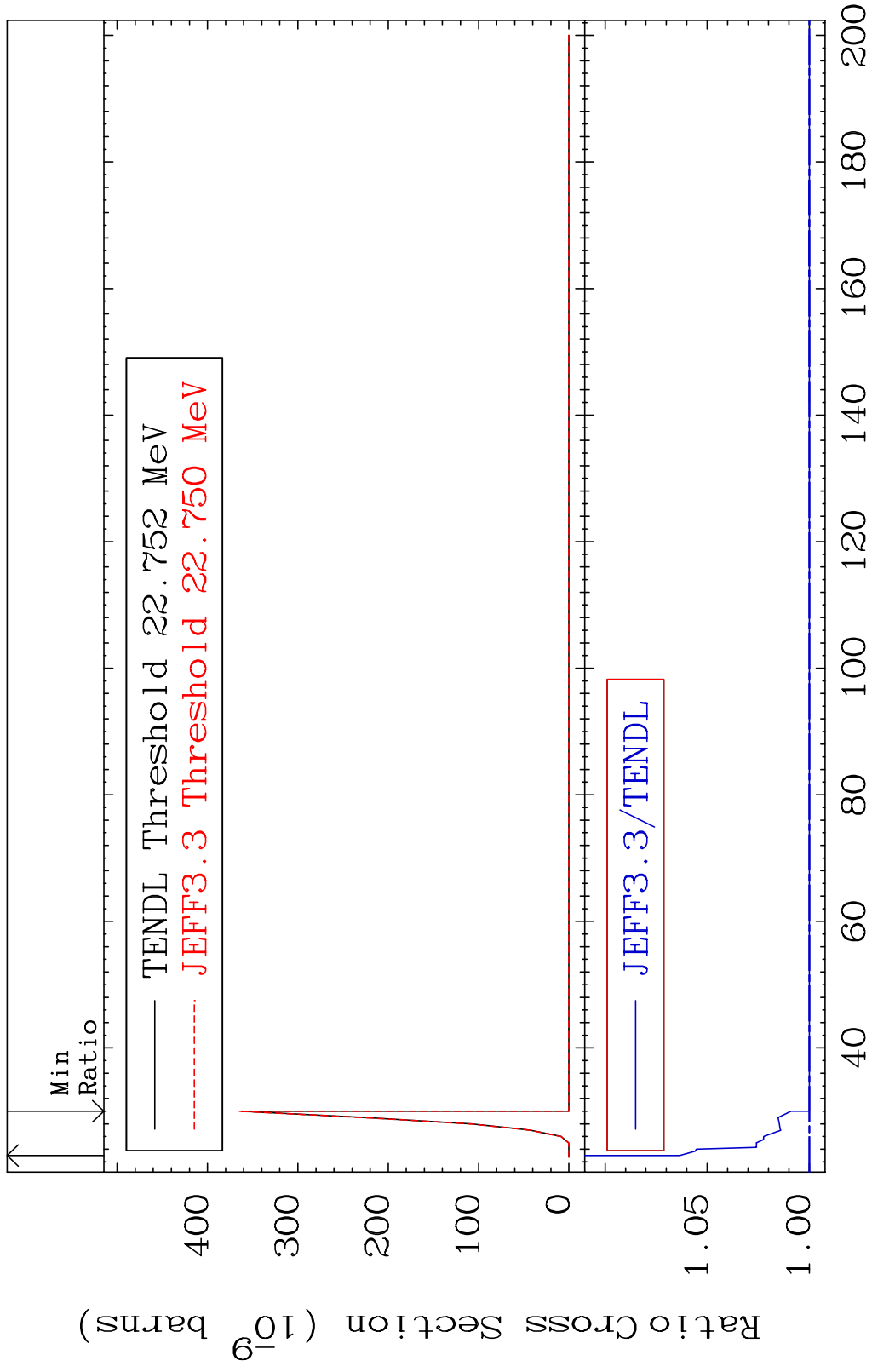
14-Si-32

MAT 1437

(n, He-3)

¹⁴Si-32

Cross Section 0.000 To 6.349 %



50

Incident Energy (MeV)

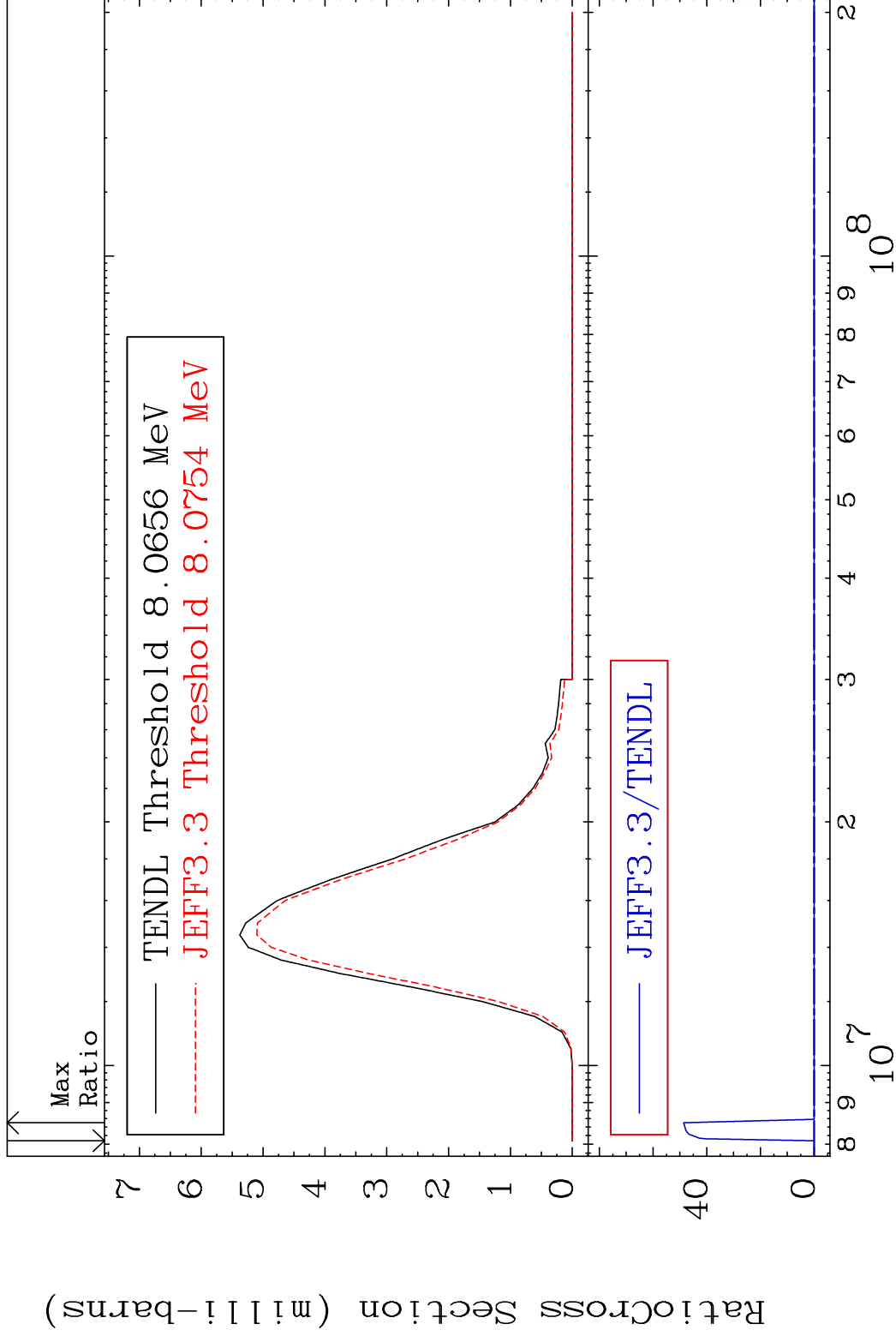
¹⁴Si-32

MAT 1437

(n, α)

14-Si-32

Cross Section -100.0 To 9999. %



51

Incident Energy (eV)

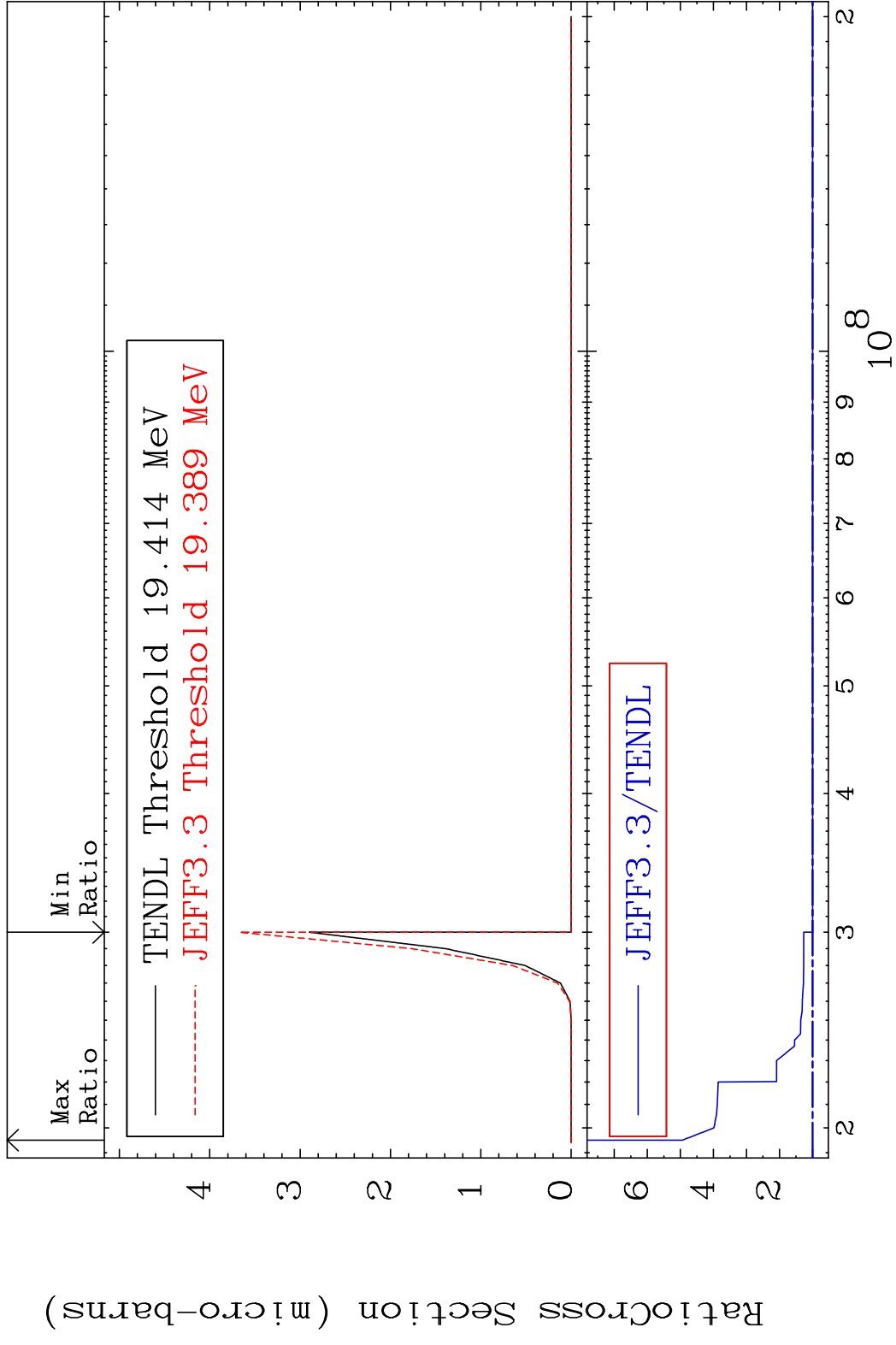
14-Si-32

MAT 1437

(n,2α)

14-Si-32
To 394.0 %

Cross Section 0.000



52

Incident Energy (eV)

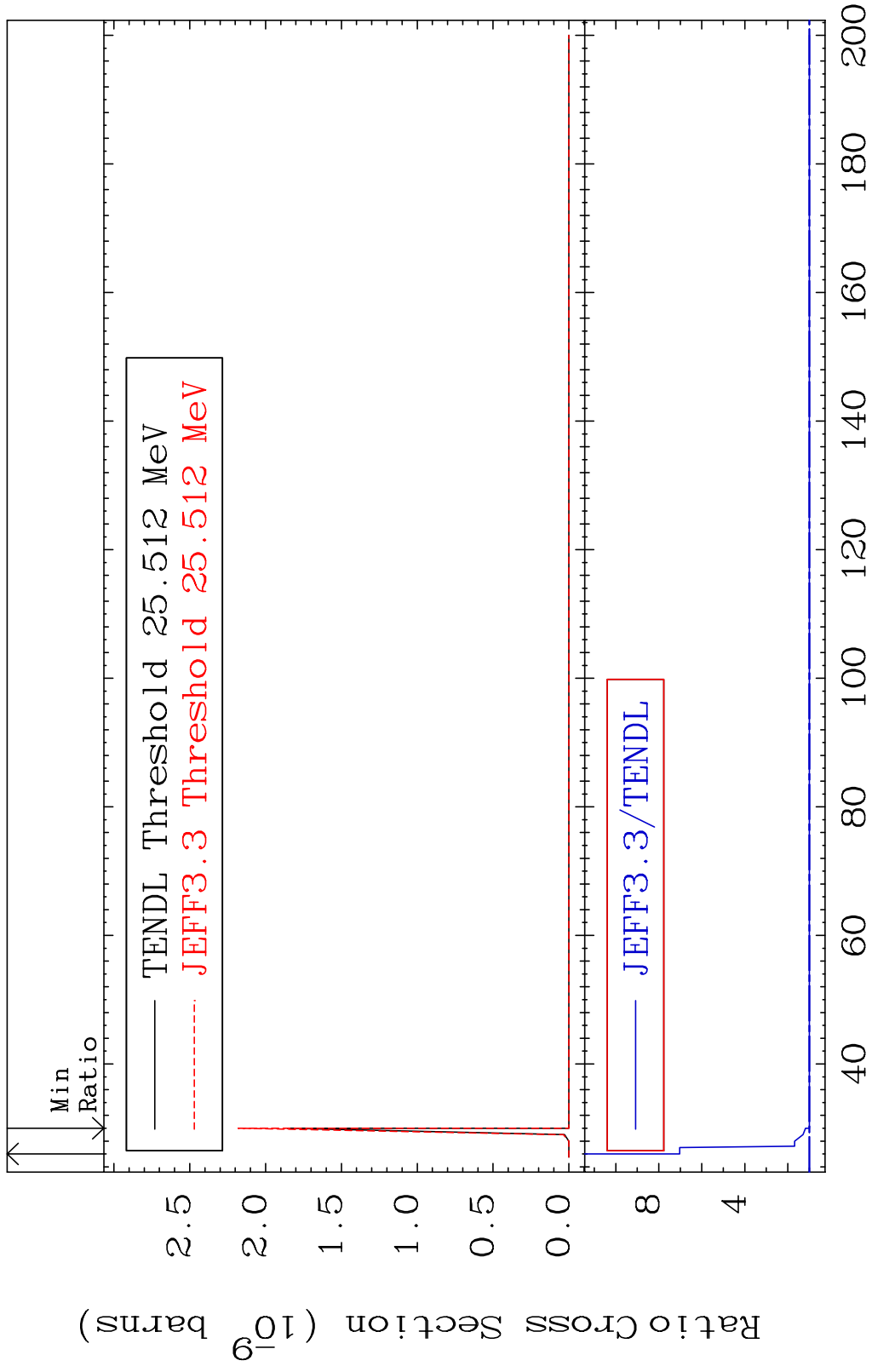
14-Si-32

MAT 1437

(n,p) α

14-Si-32

Cross Section 0.000 To 603.0 %

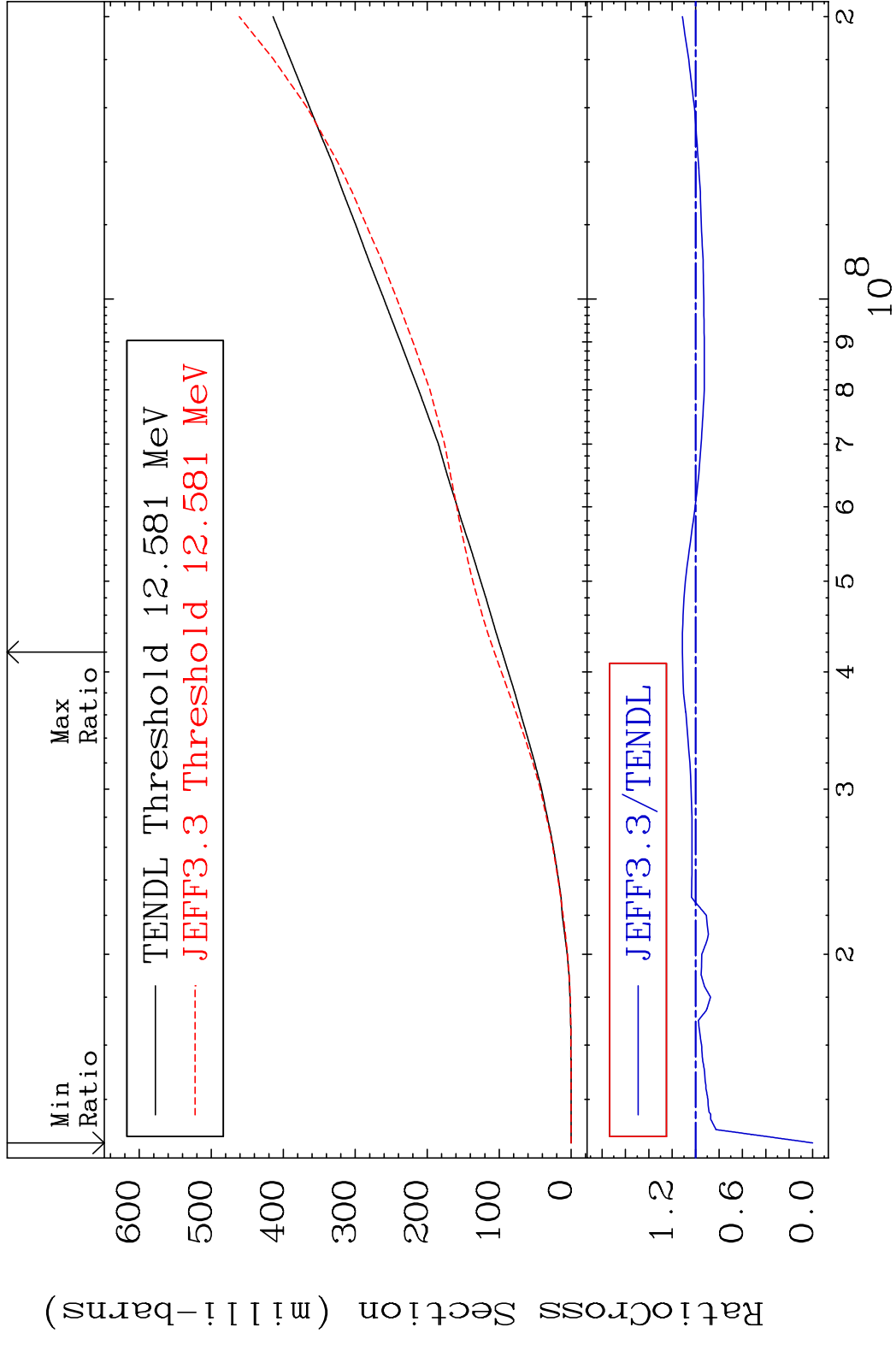


53

Incident Energy (MeV)

14-Si-32

MAT 1437 Hydrogen Production 14-Si-32
 Cross Section -100.0 To 11.35 %

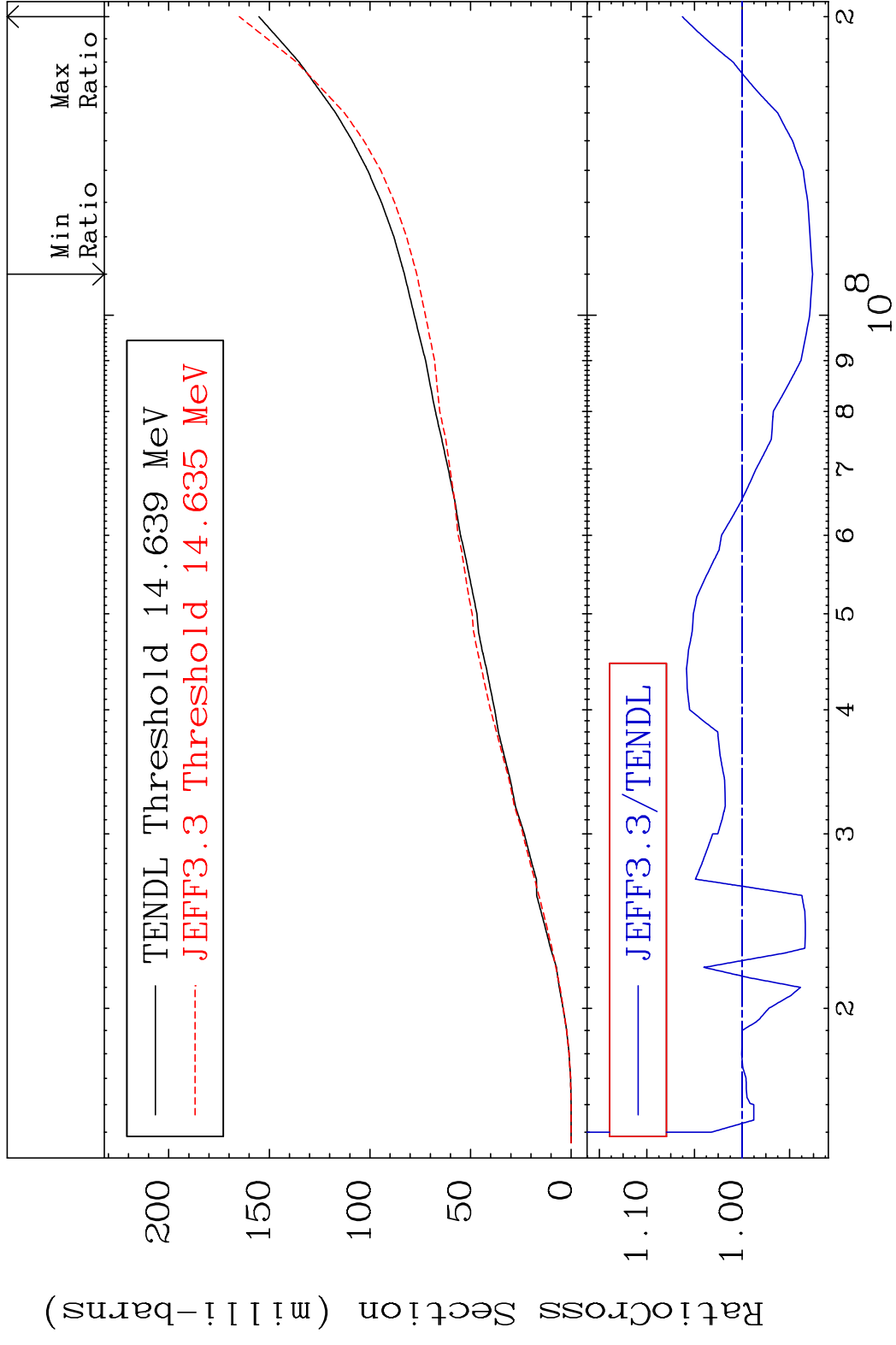


MAT 1437

Deuterium Production

¹⁴Si-32

Cross Section -7.405 To 6.277 %

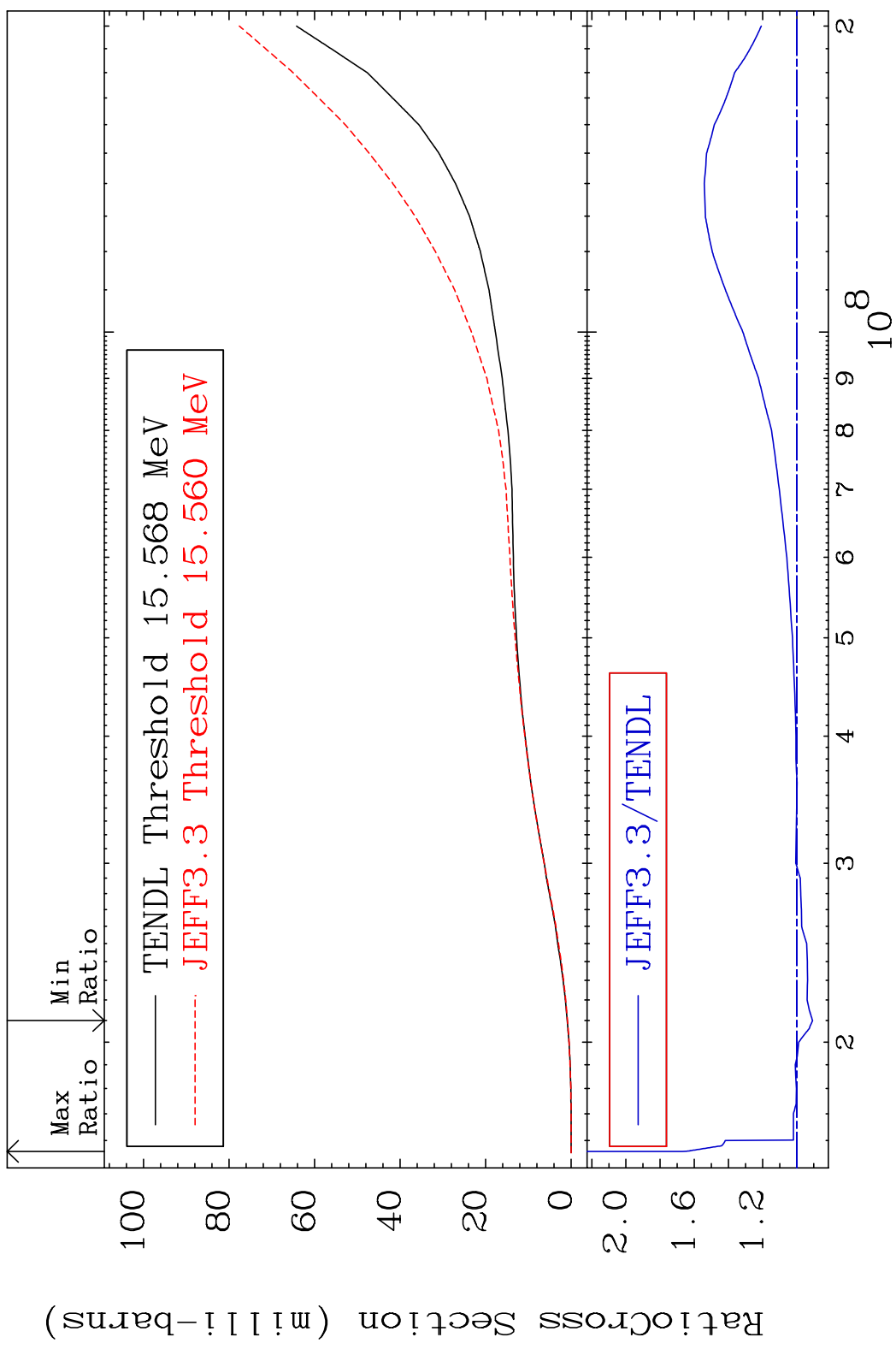


MAT 1437

Tritium Production

14-Si-32

Cross Section -9.245 To 66.97 %

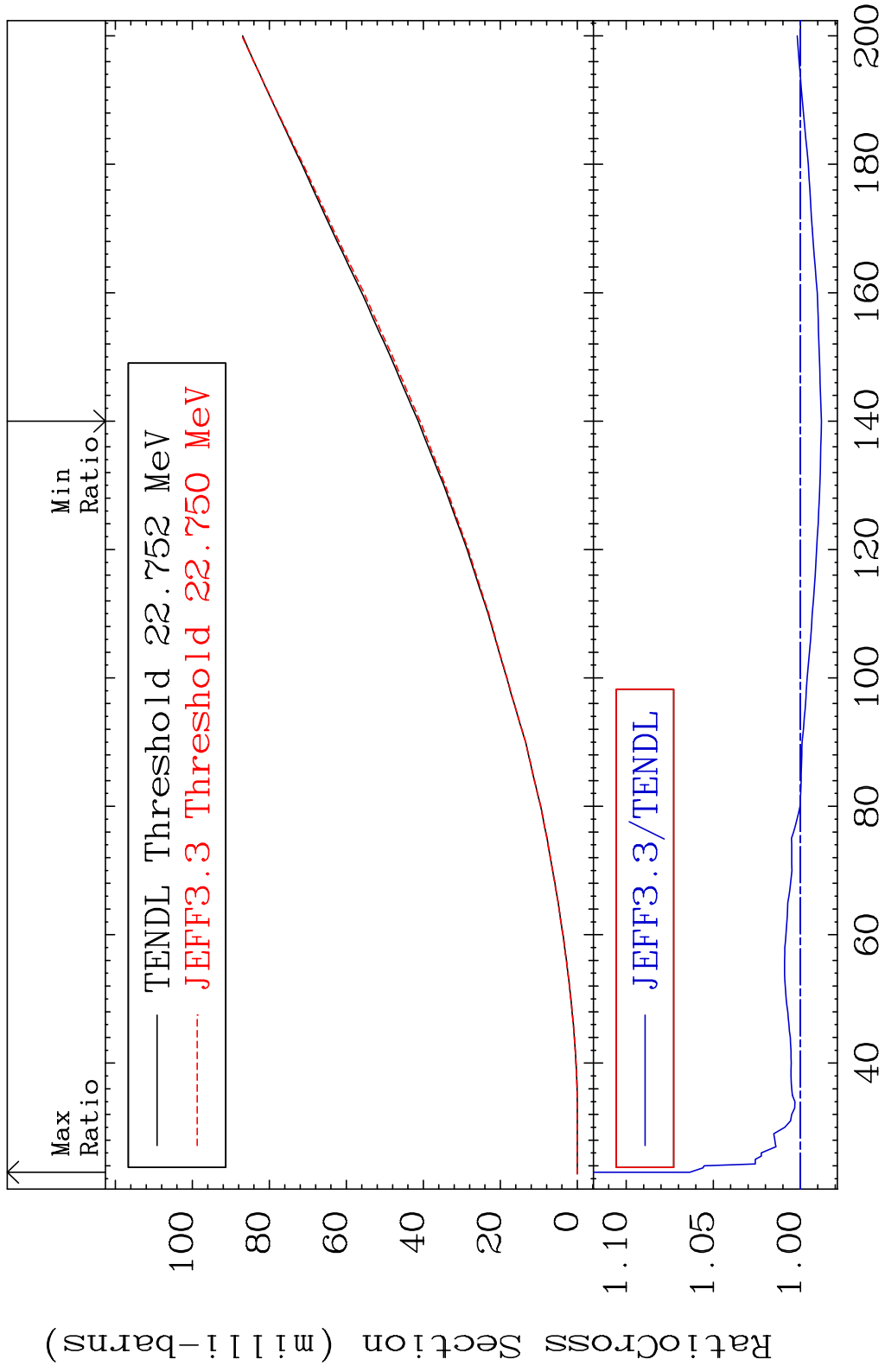


MAT 1437

He-3 Production

14-Si-32

Cross Section -1.207 To 6.349 %



57

Incident Energy (MeV)

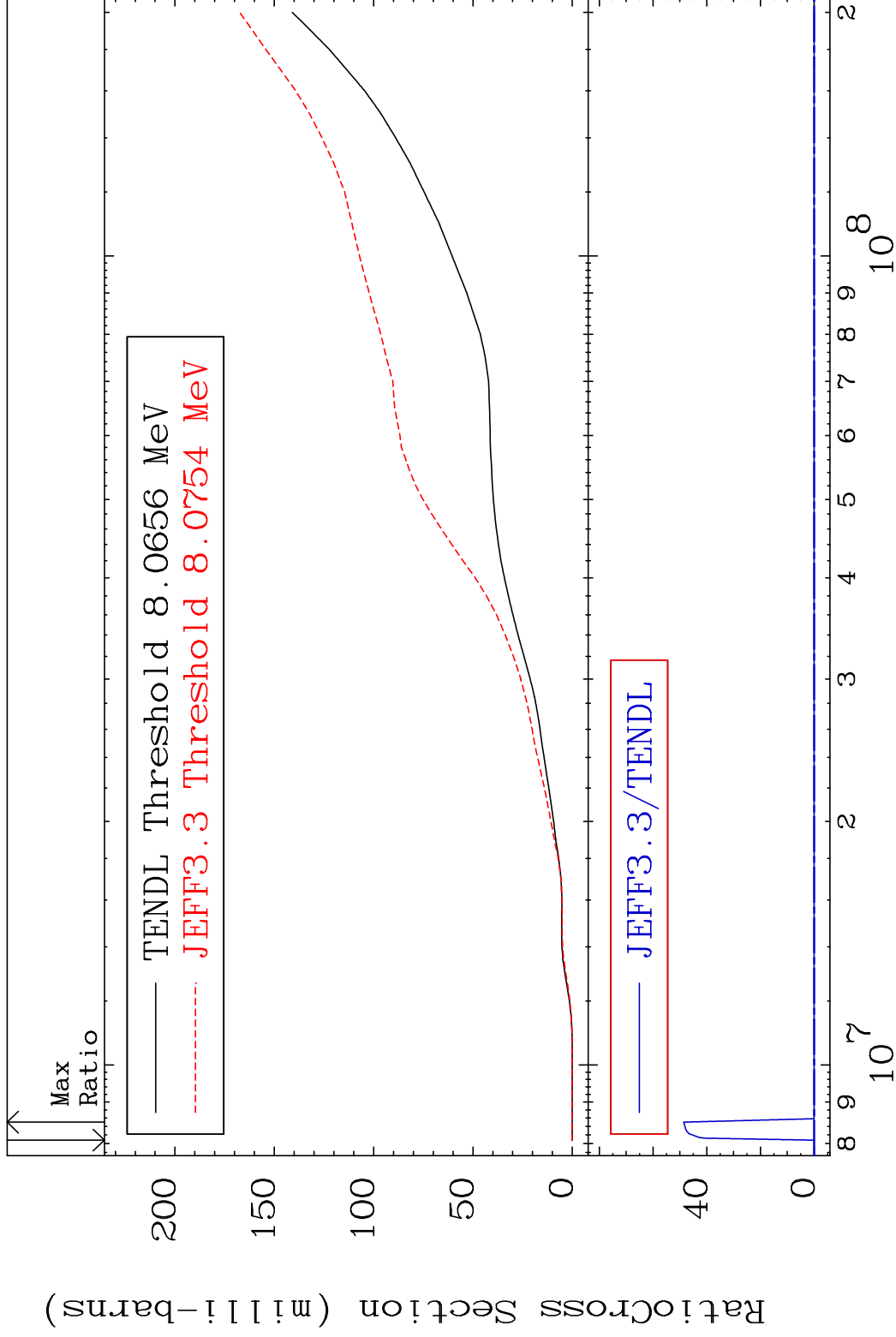
14-Si-32

MAT 1437

He-4 Production

14-Si-32

Cross Section -100.0 To 9999. %



58

Incident Energy (eV)

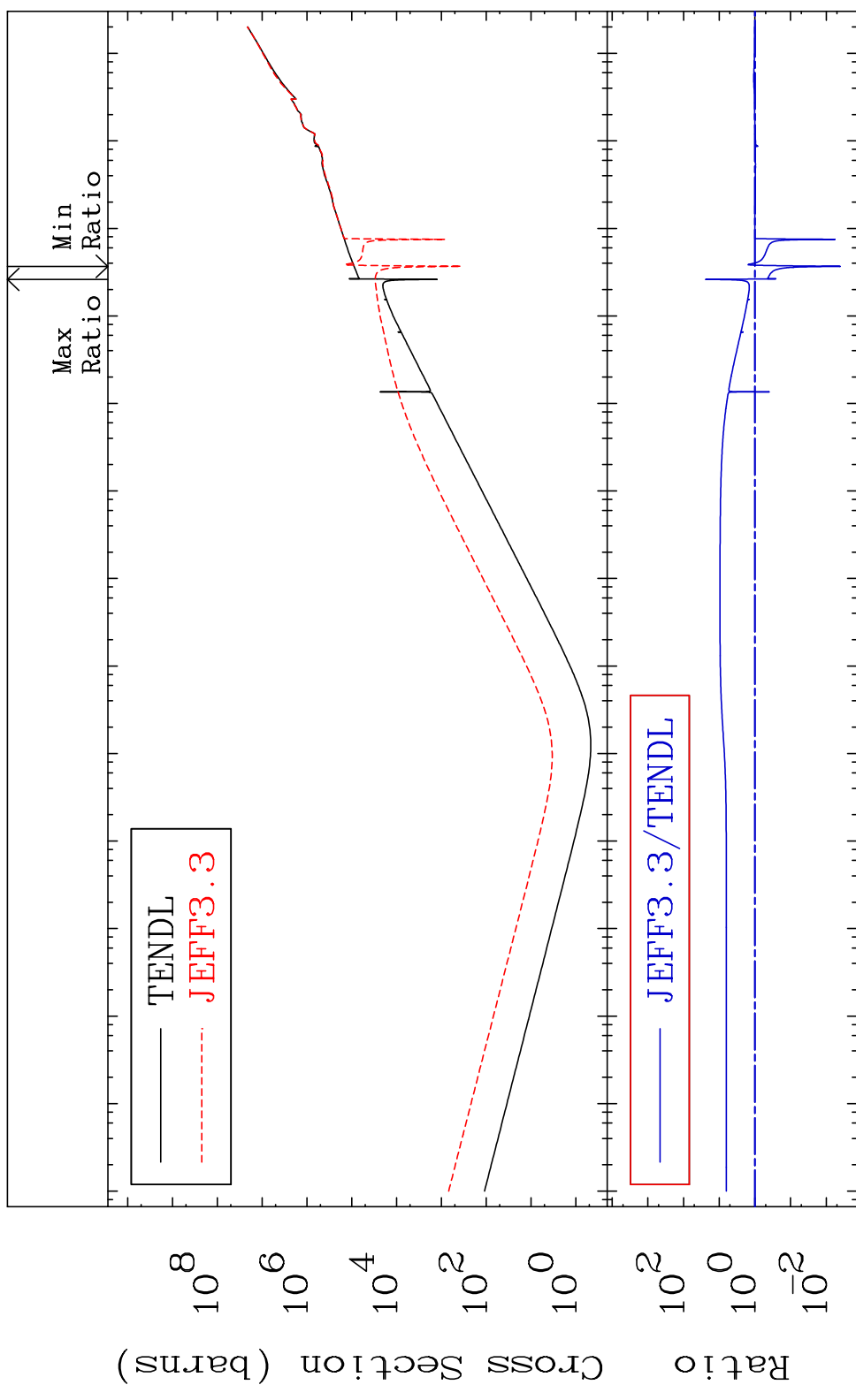
14-Si-32

MAT 1437

Kerma total (eV-barns)

14-Si-32

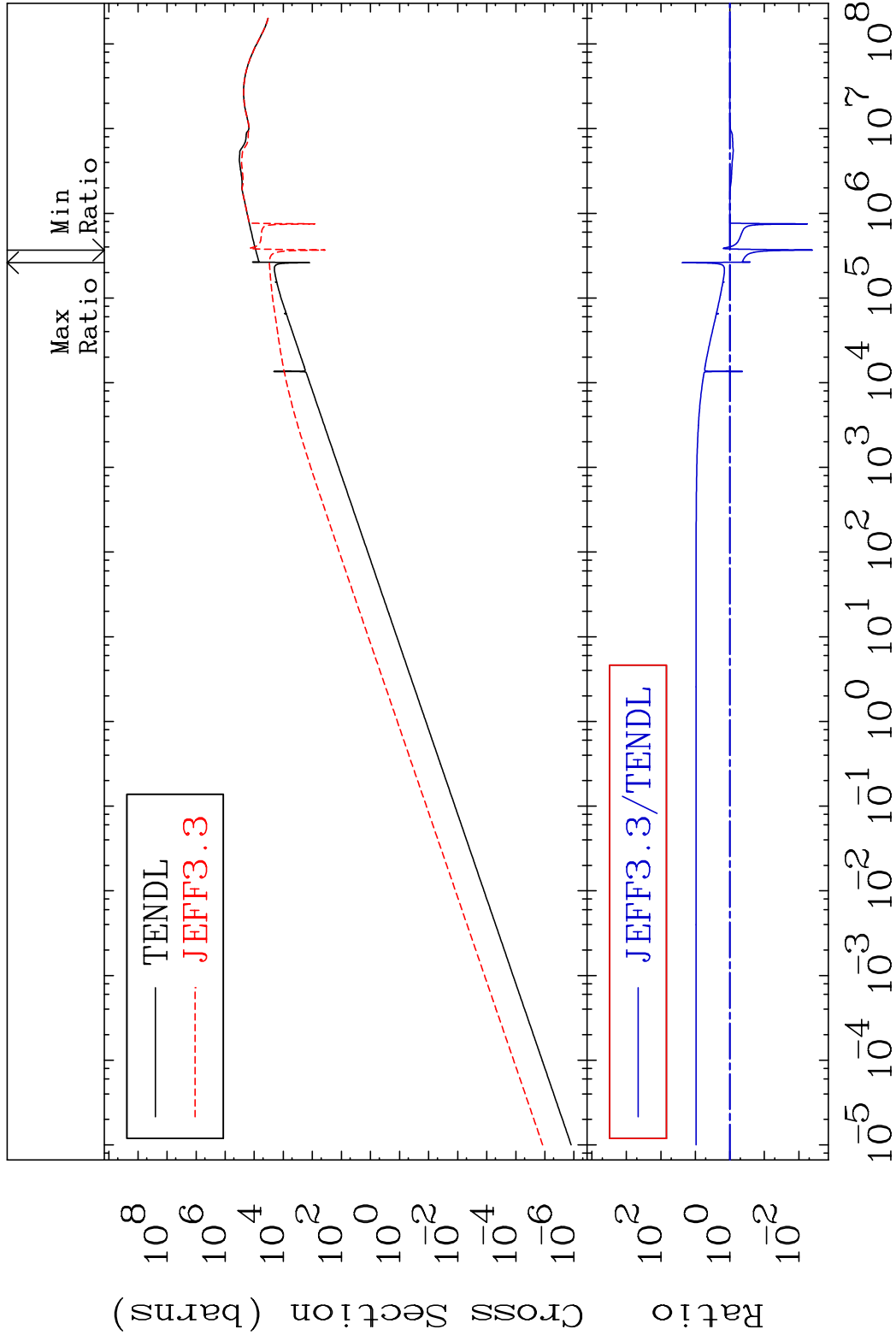
Cross Section -99.60 To 2282. %



MAT 1437

Kerma elastic
Cross Section

14-Si-32
-99.60 To 2284. %

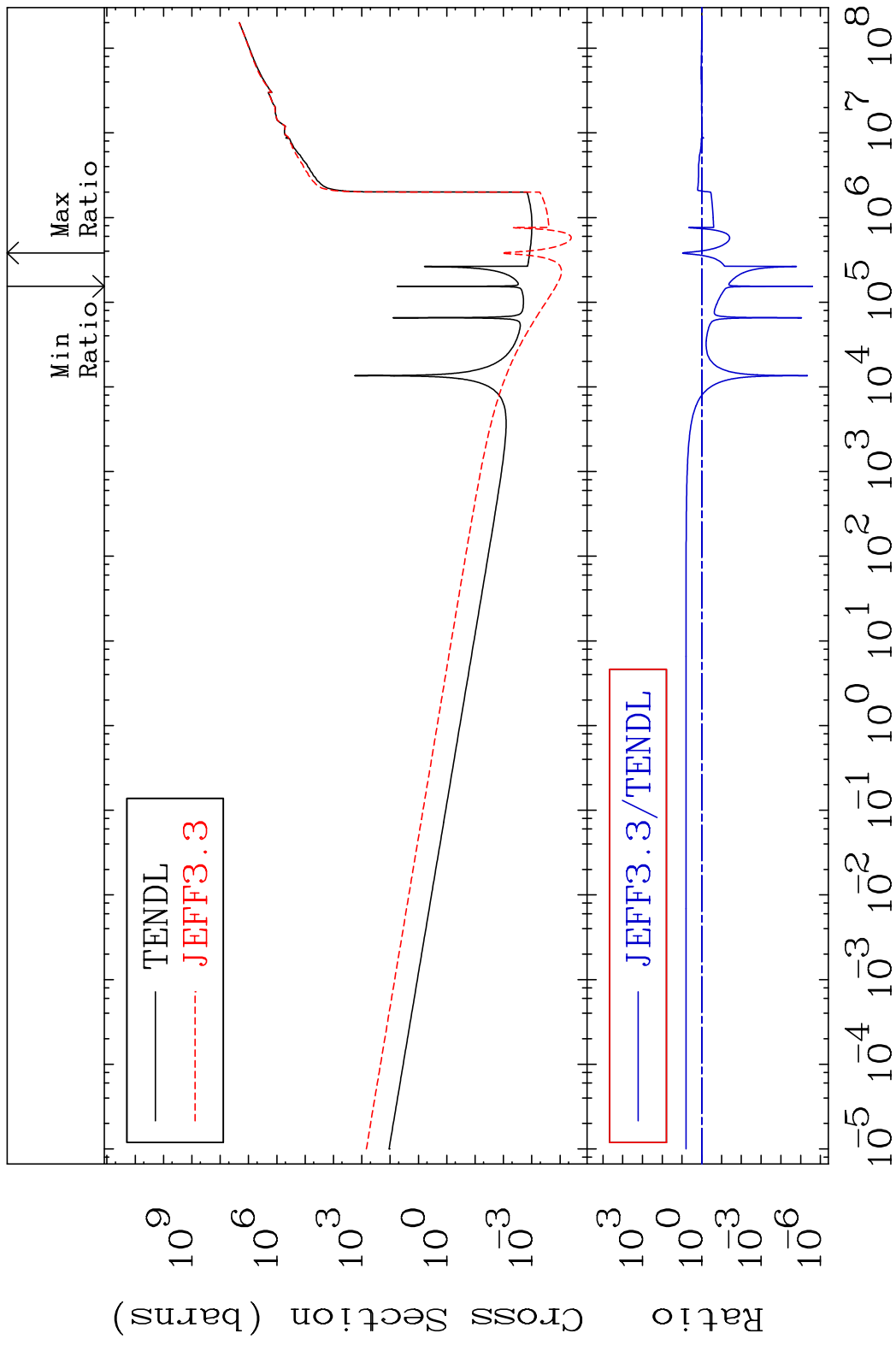


60

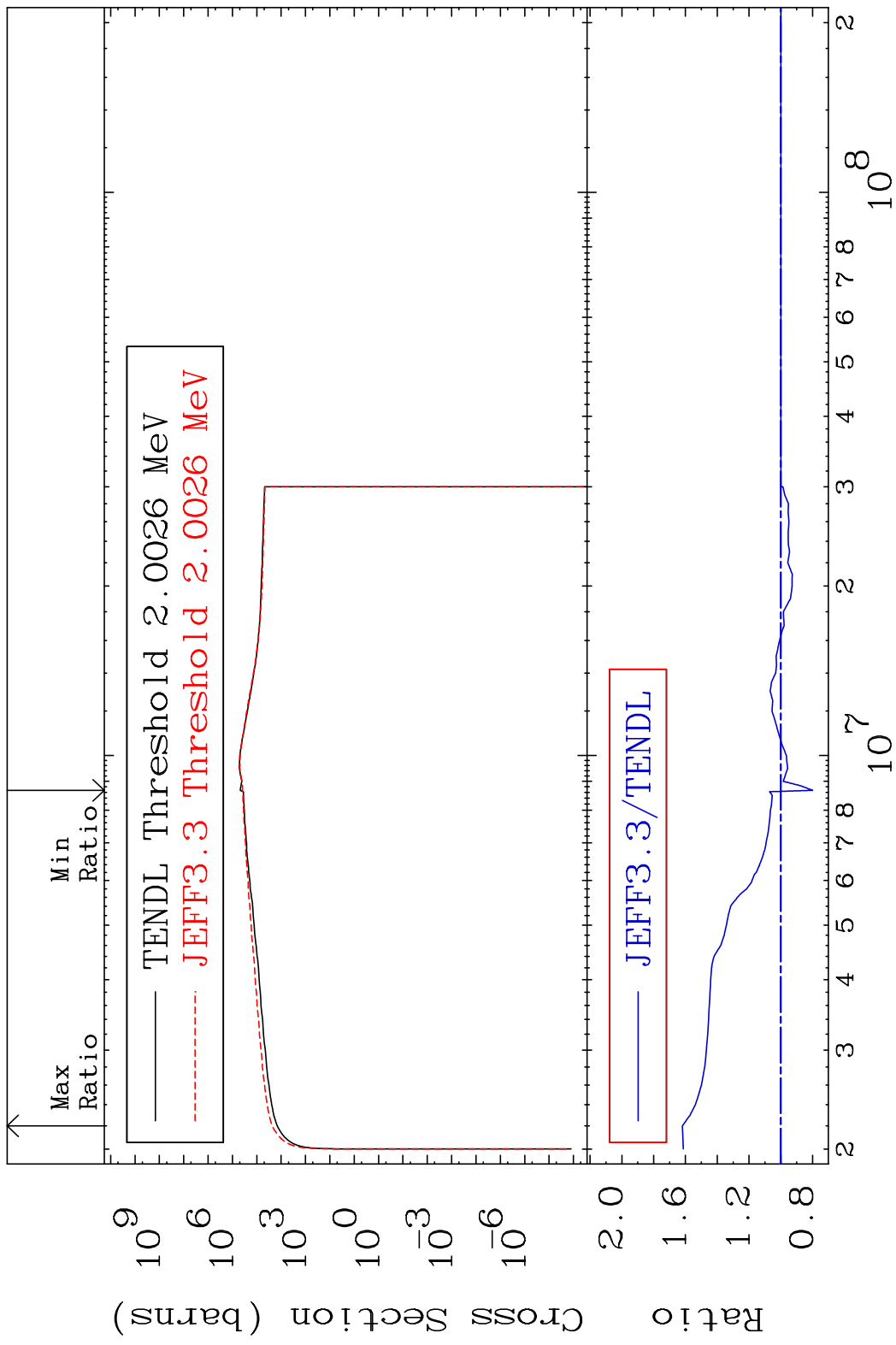
Incident Energy (eV)

14-Si-32

MAT 1437 Kerma non-elastic (all but mt2) 14-Si-32
 Cross Section -100.0 To 862.0 %

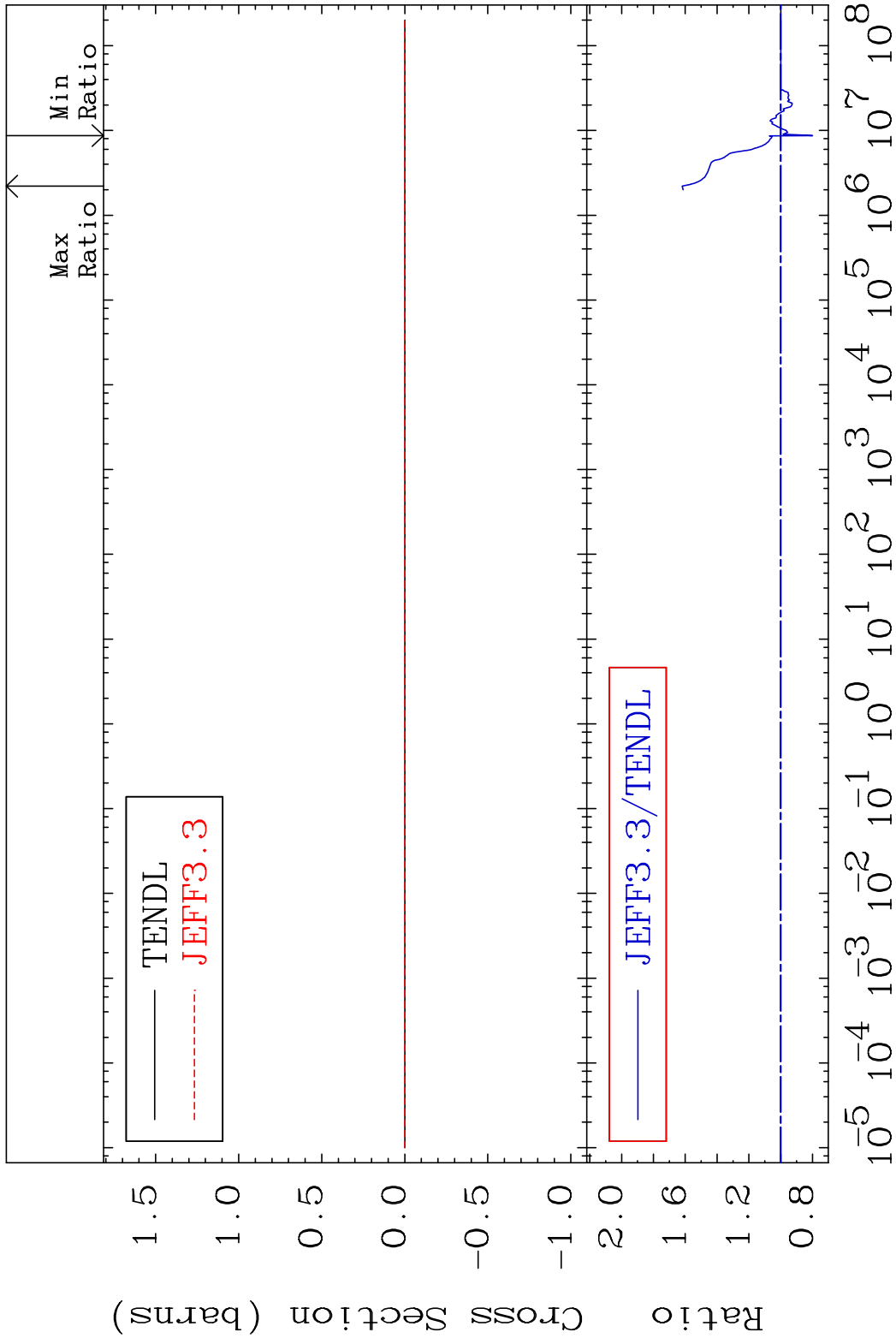


MAT 1437 Kerma inelastic (mt51-91) 14-Si-32
 Cross Section -19.98 To 61.95 %



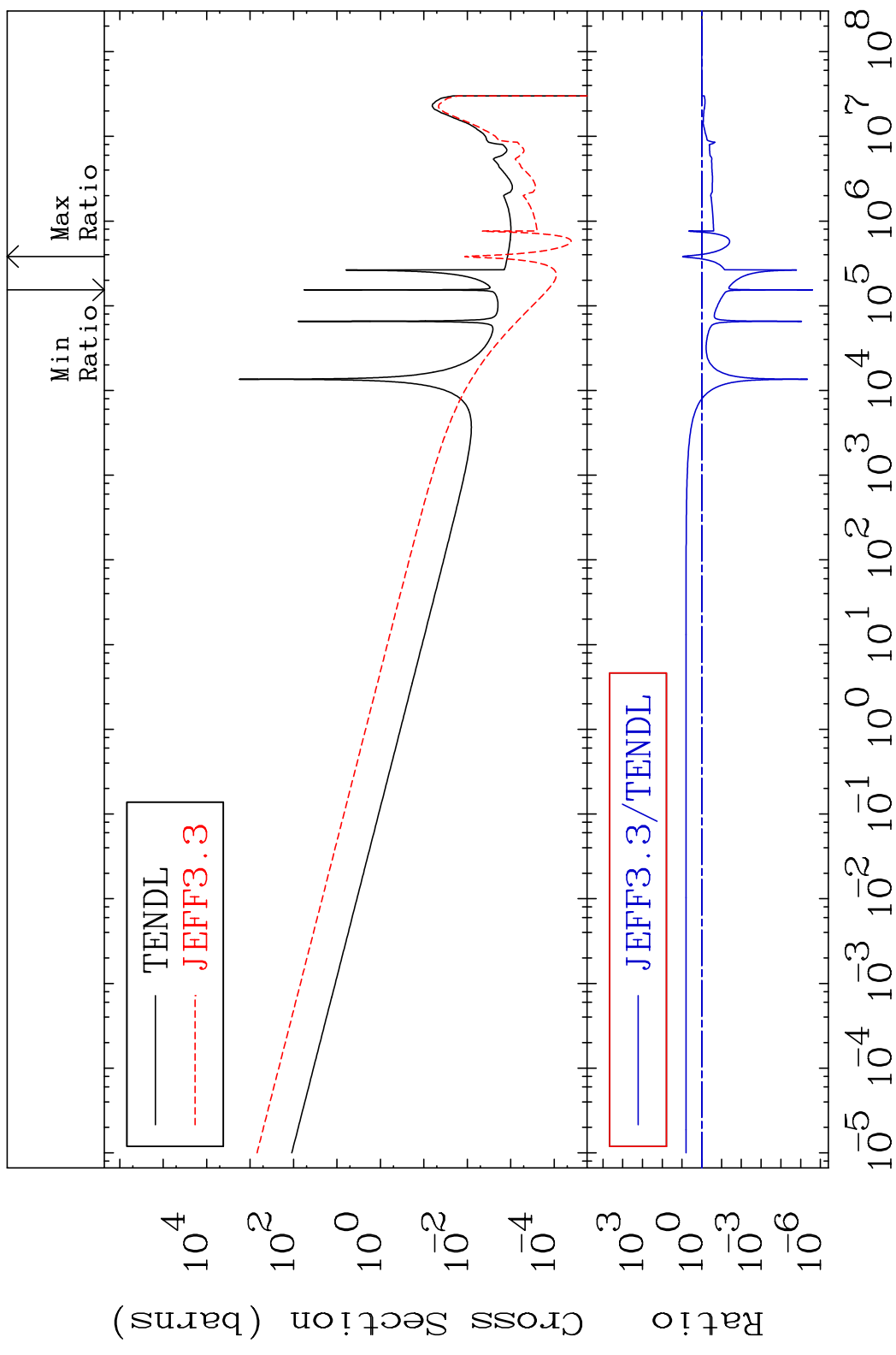
62 Incident Energy (eV) 14-Si-32

MAT 1437 Kerma fission (mt18 or mt19-20-21-38) 14-Si-32
 Cross Section -19.98 To 61.95 %



MAT 1437

Kerma capture (mt102) 14-Si-32
Cross Section -100.0 To 862.0 %



64

Incident Energy (eV)

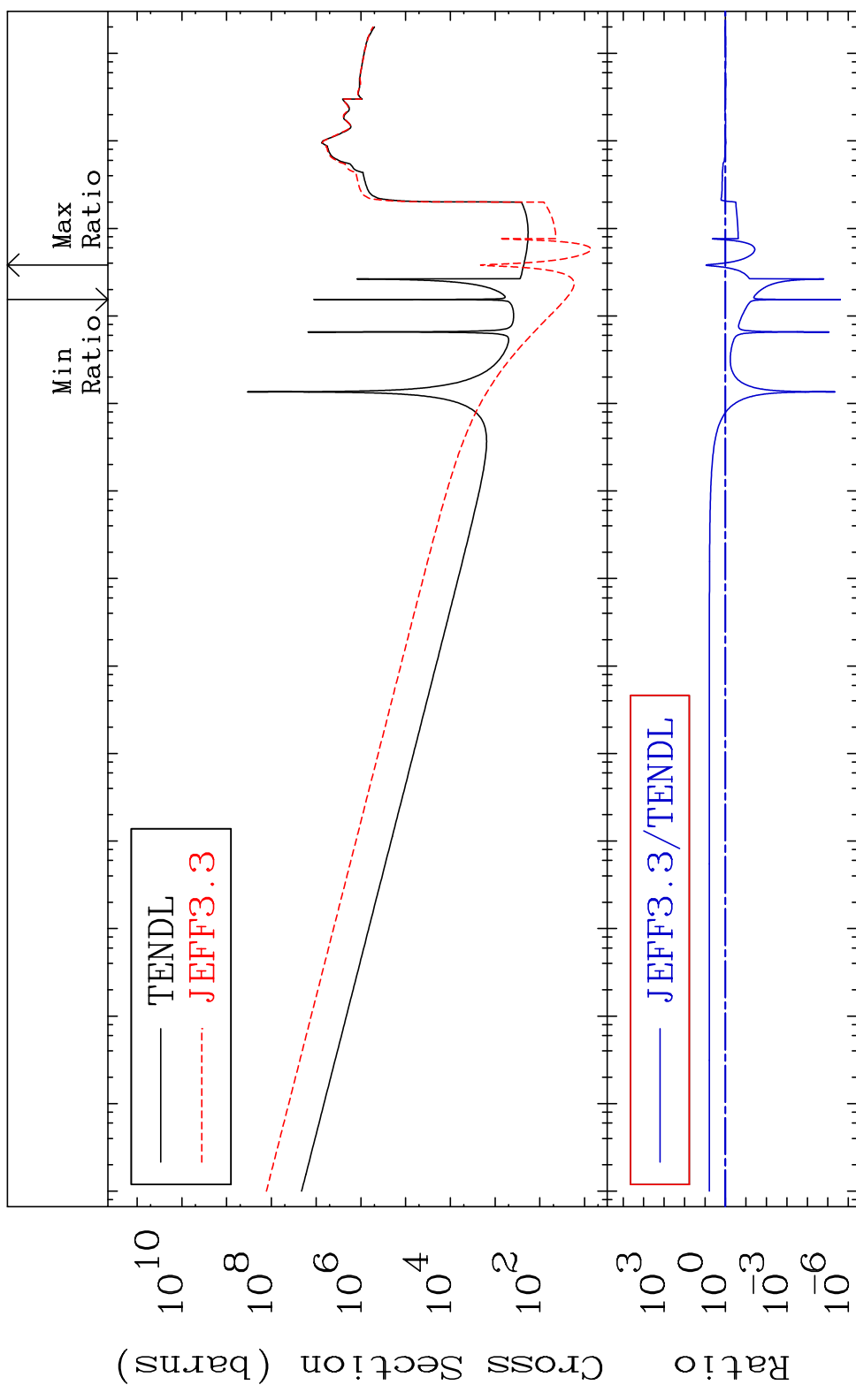
14-Si-32

MAT 1437

Total photon (eV-barns)

14-Si-32

Cross Section -100.0 To 819.6 %

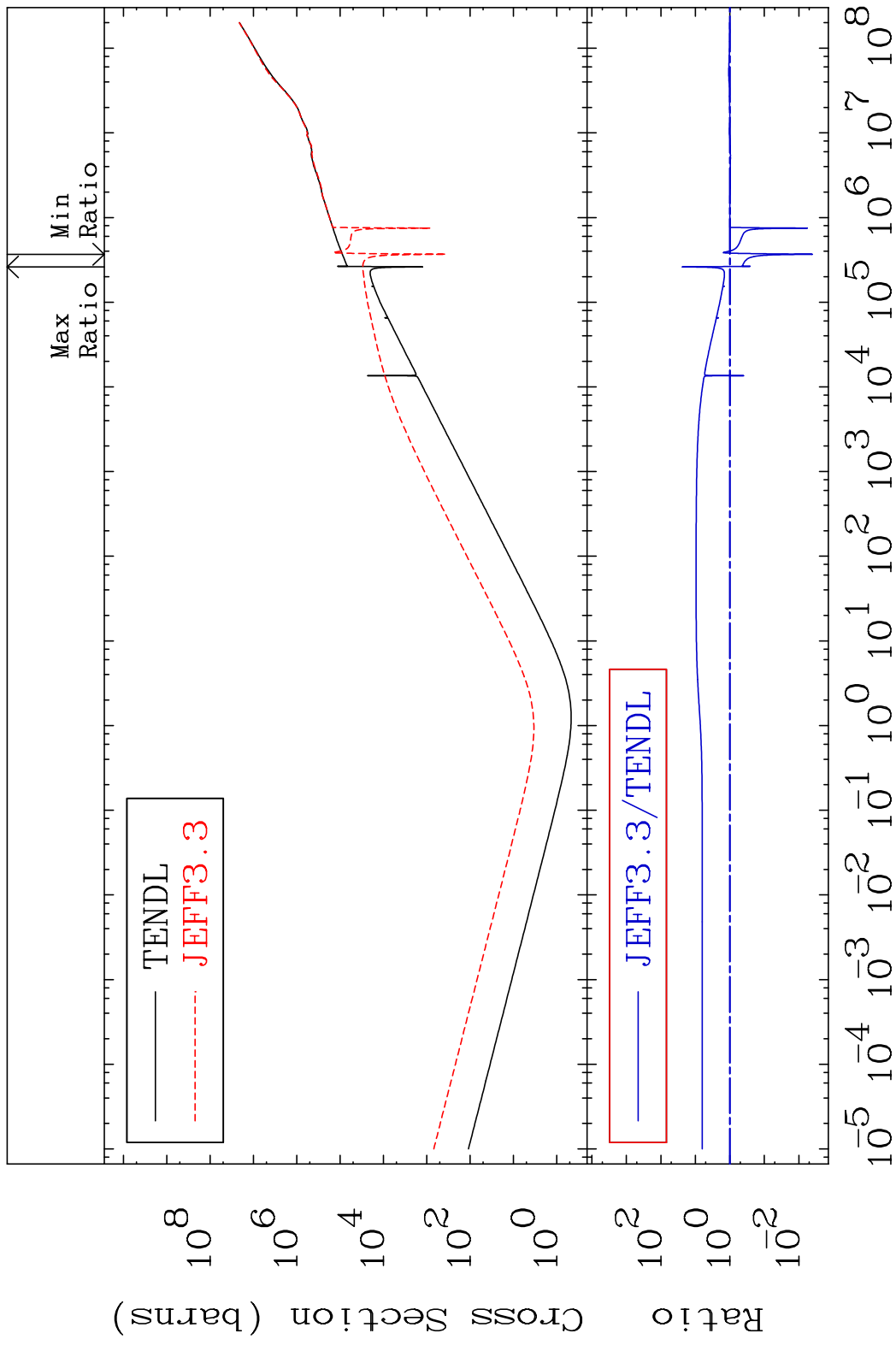


65

Incident Energy (eV)

14-Si-32

MAT 1437 Total kinematic kerma (high limit) 14-Si-32
 Cross Section -99.60 To 2282. %

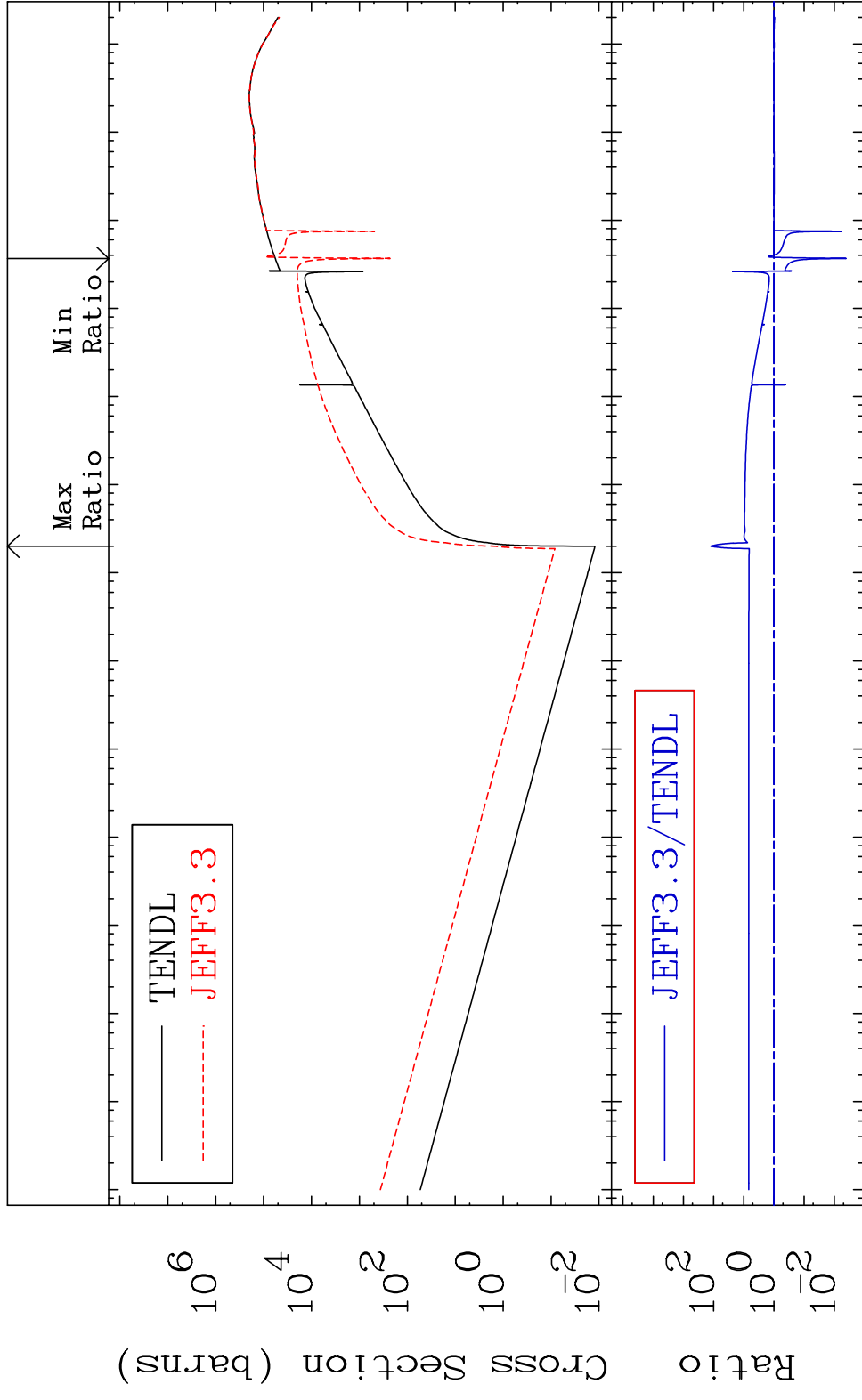


MAT 1437

Dpa total (eV-barns)

14-Si-32

Cross Section -99.60 To 9999. %



67

Incident Energy (eV)

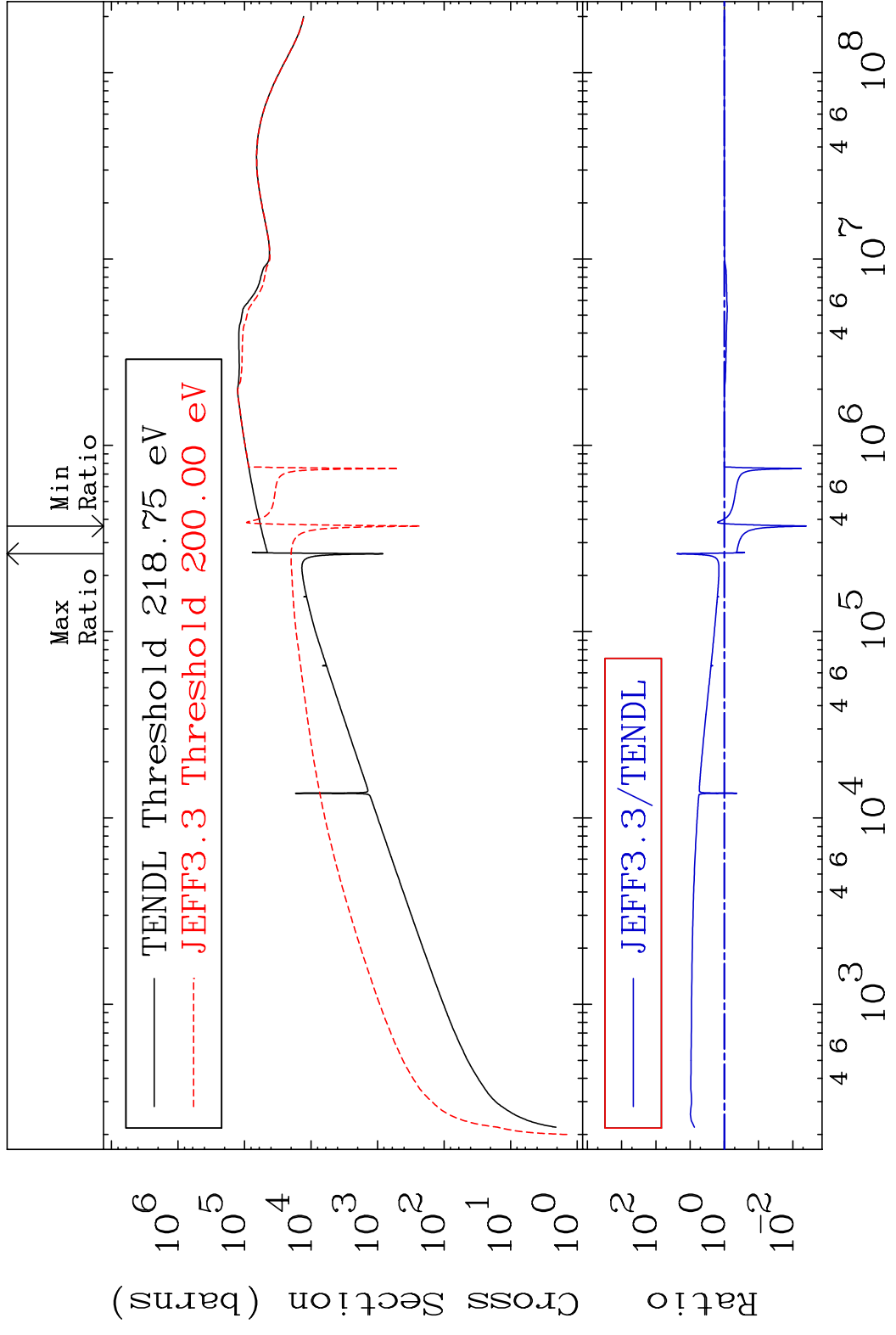
14-Si-32

MAT 1437

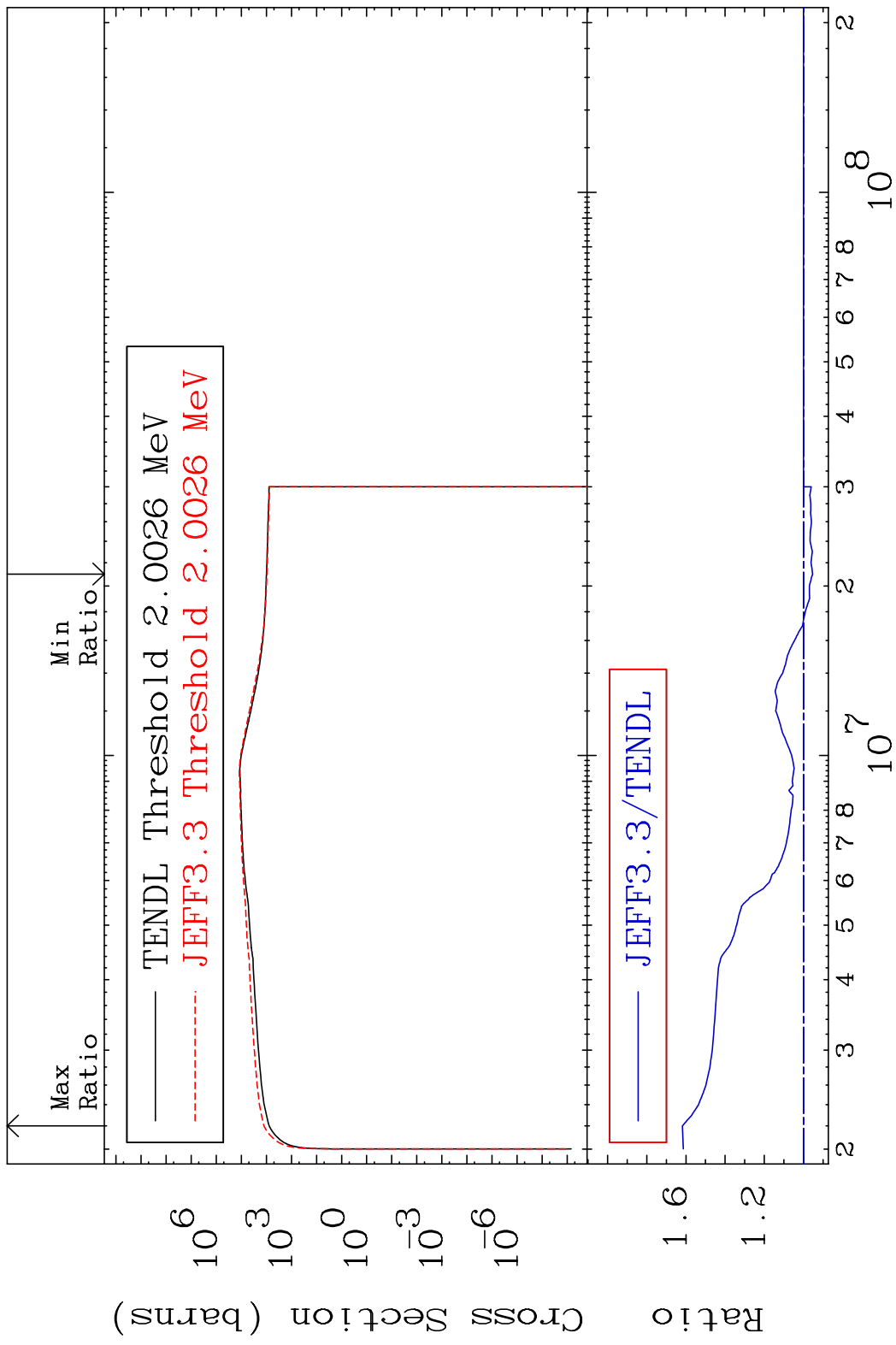
Dpa elastic (mt2)

14-Si-32

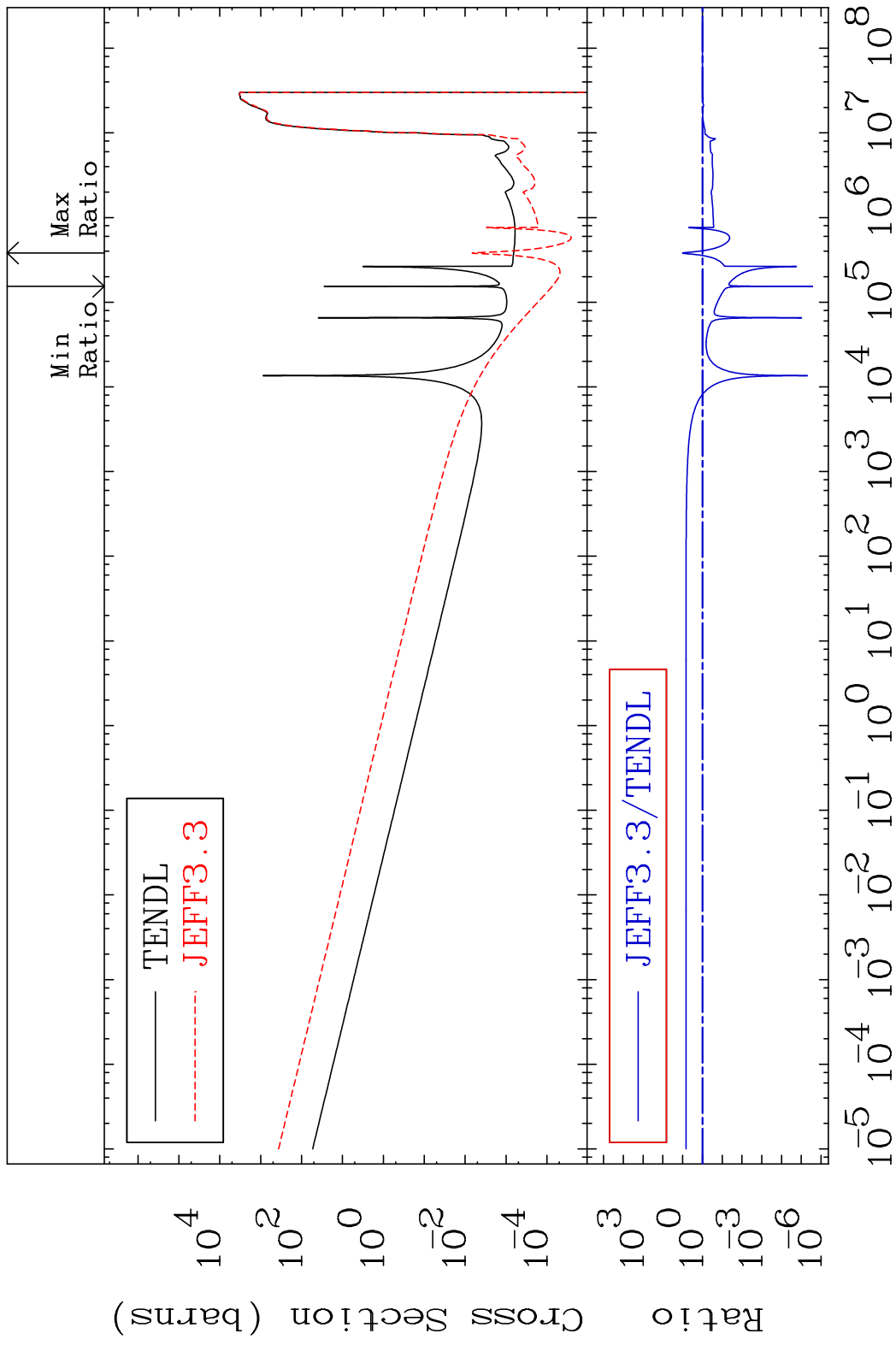
Cross Section -99.60 To 2284. %



MAT 1437 Dpa inelastic (mt51-91) 14-Si-32
 Cross Section -4.597 To 61.82 %



MAT 1437 Dpa disappearance (mt102 -120) 14-Si-32
 Cross Section -100.0 To 934.3 %



70 Incident Energy (eV) 14-Si-32