

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

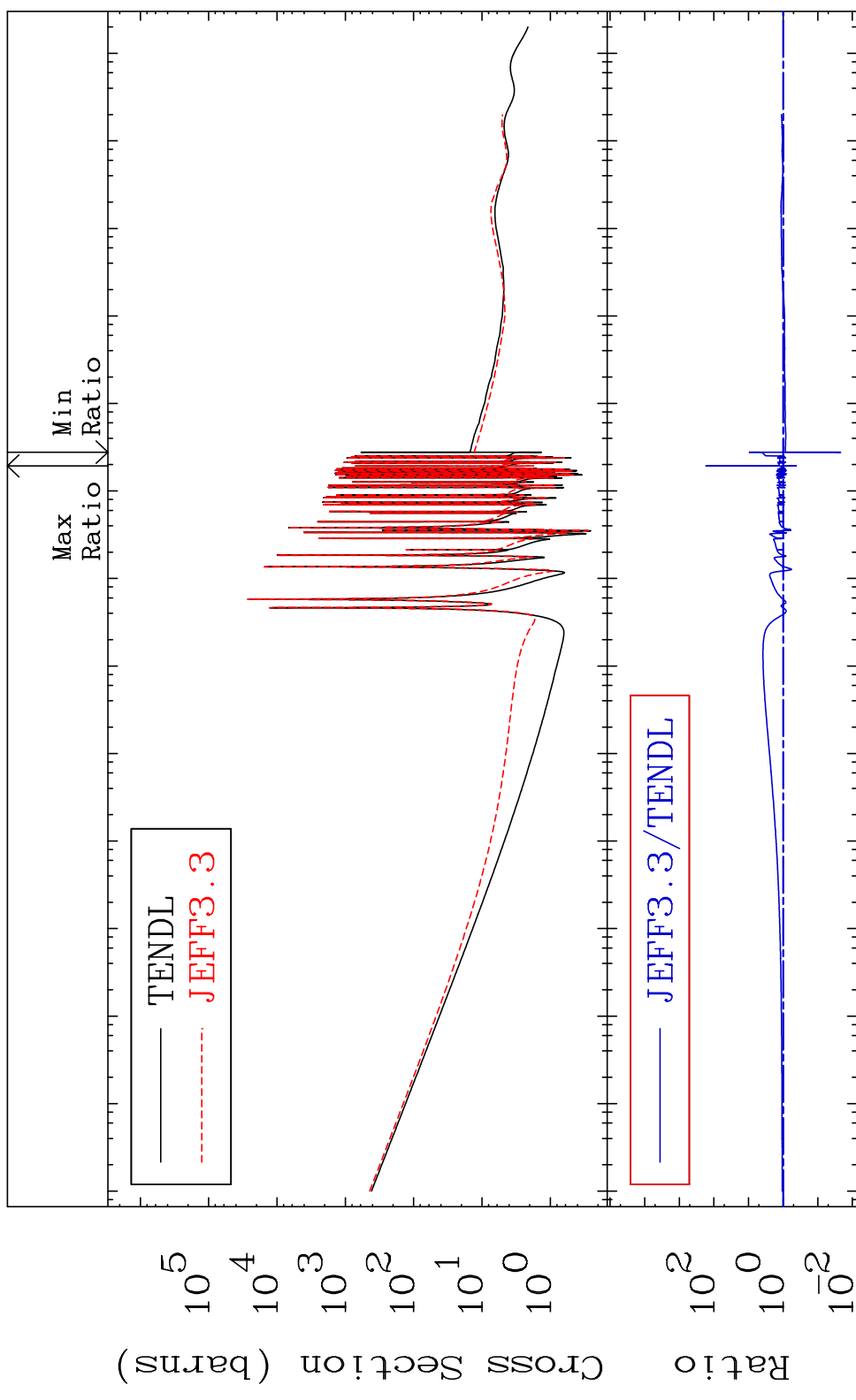
MAT 5625

Total

56-Ba-130

Cross Section

-97.79 To 9999. %



1

Incident Energy (eV)

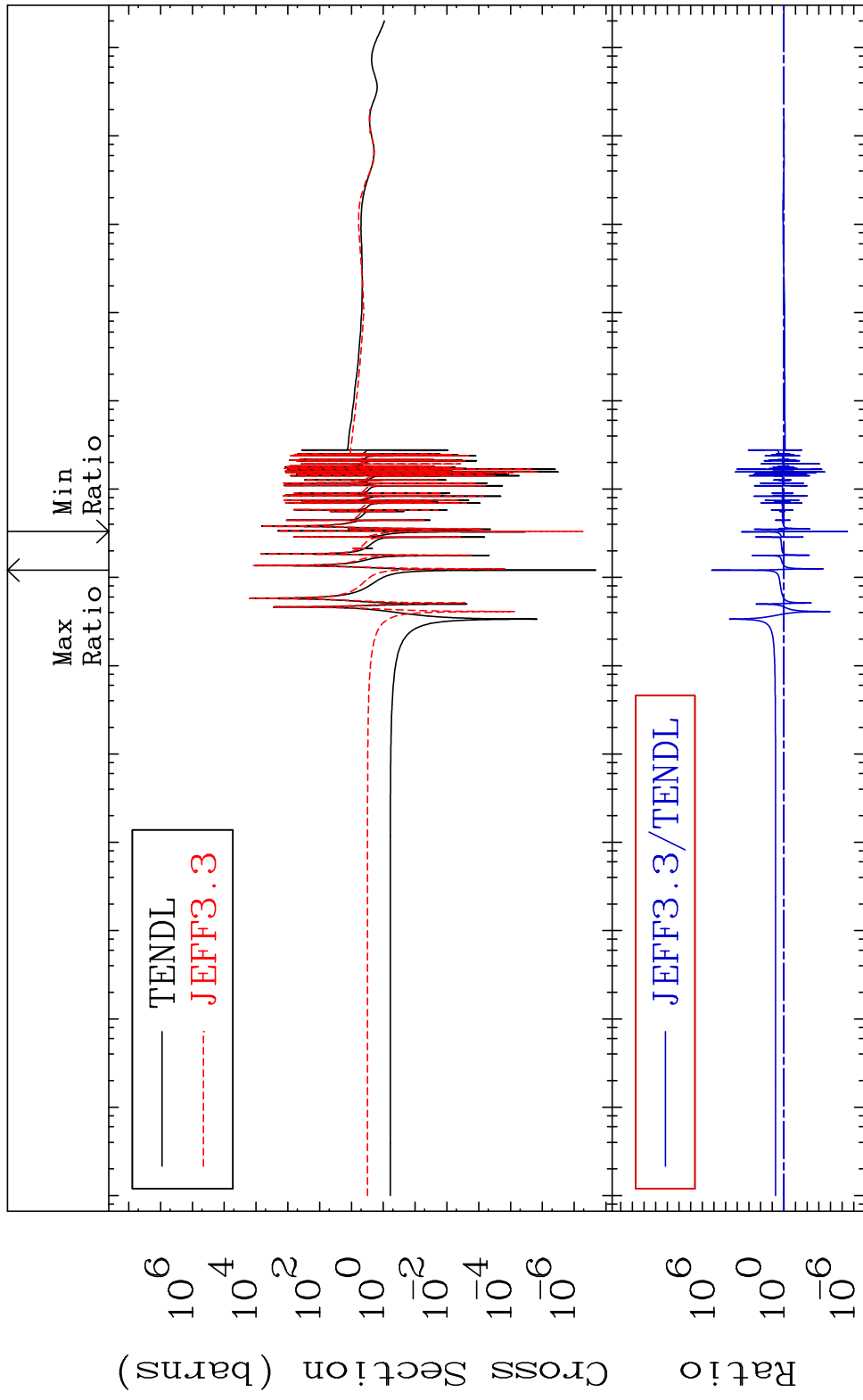
56-Ba-130

MAT 5625

Elastic

56-Ba-130

Cross Section -100.0 To 9999. %

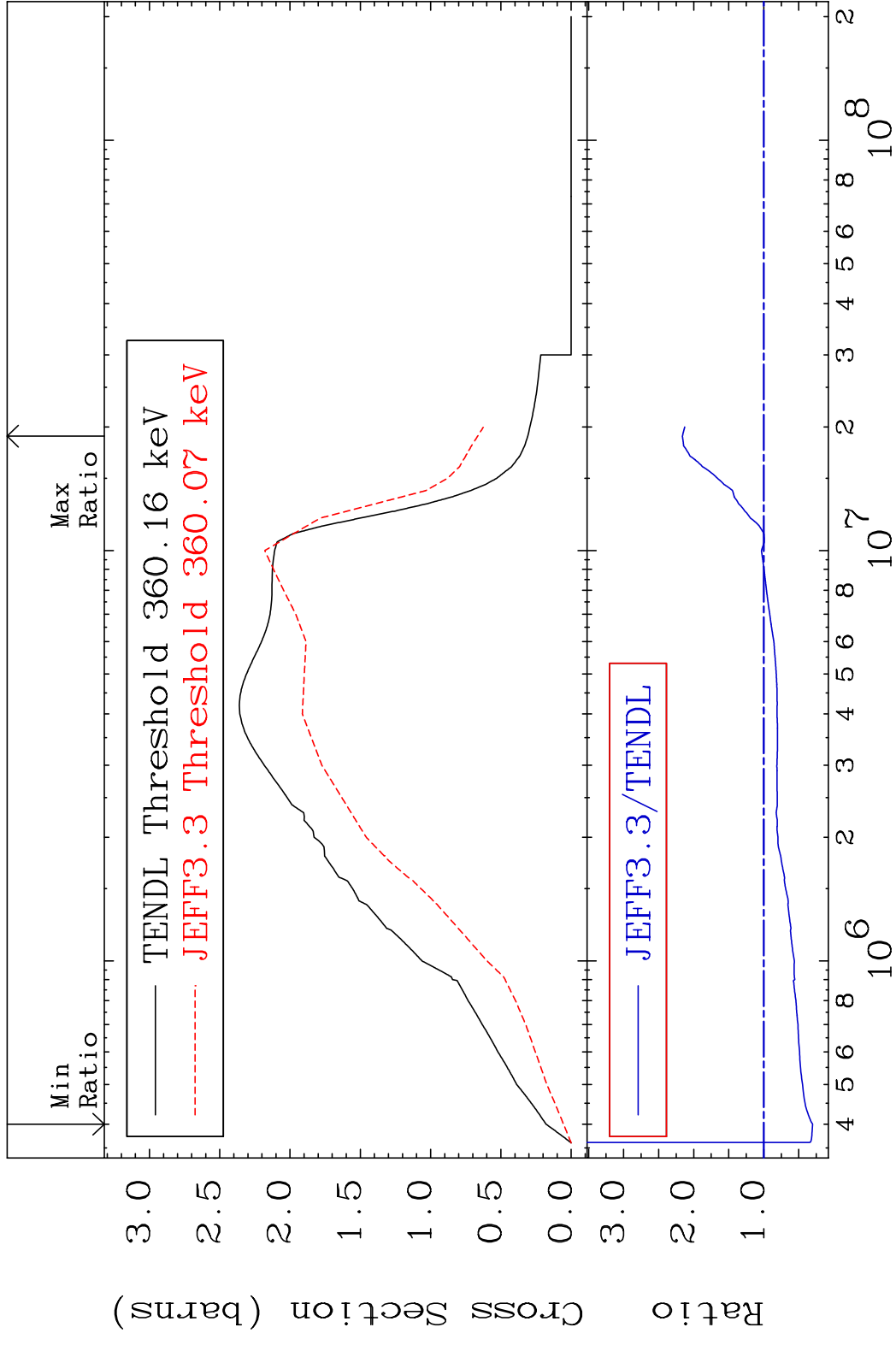


2

Incident Energy (eV)

56-Ba-130

MAT 5625 Inelastic 56-Ba-130
 Cross Section -69.65 To 116.2 %



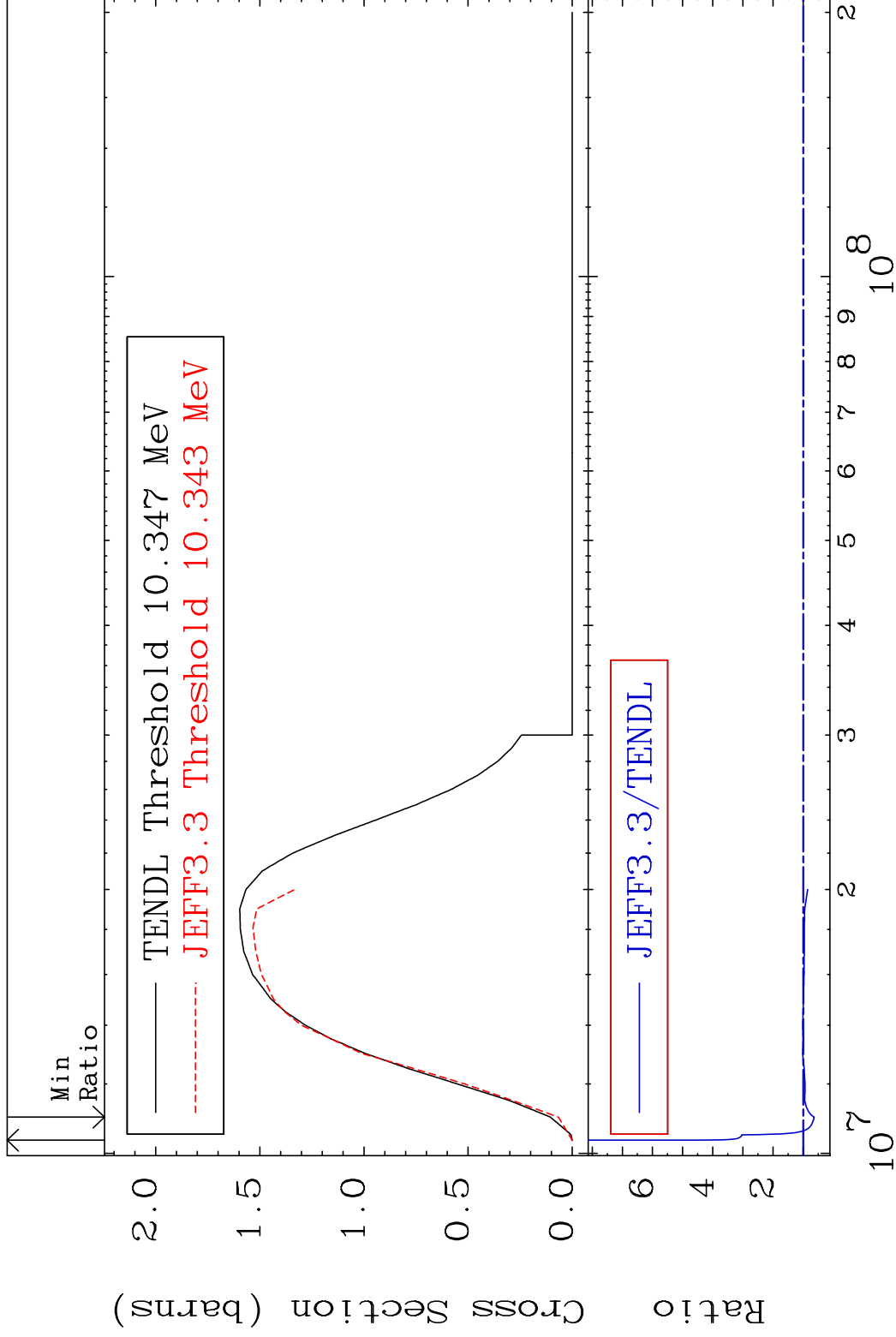
3 Incident Energy (eV) 56-Ba-130

MAT 5625

(n,2n)

56-Ba-130

Cross Section -36.29 To 396.6 %



4

Incident Energy (eV)

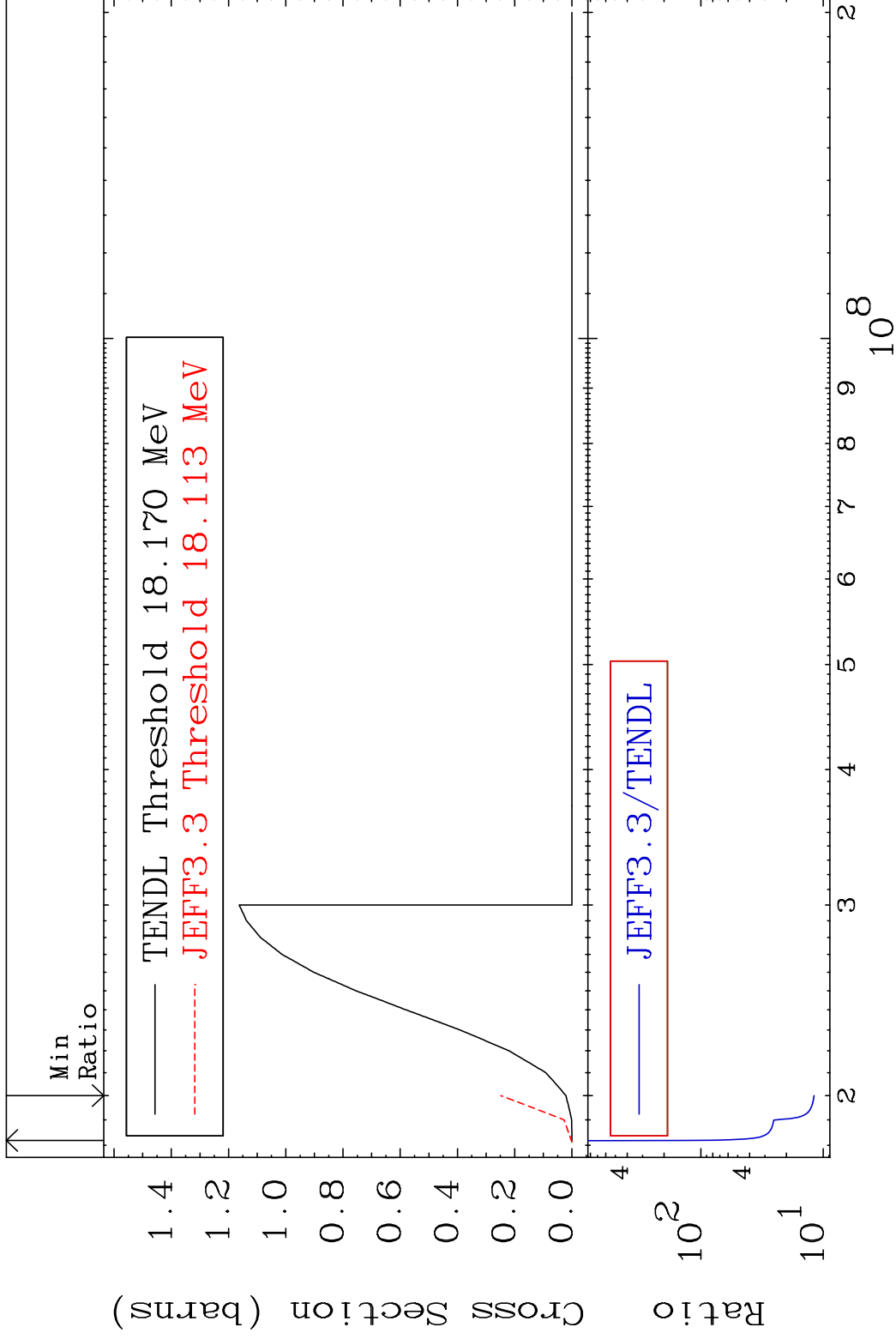
56-Ba-130

MAT 5625

(n,3n)

56-Ba-130

Cross Section 1090. To 9999. %

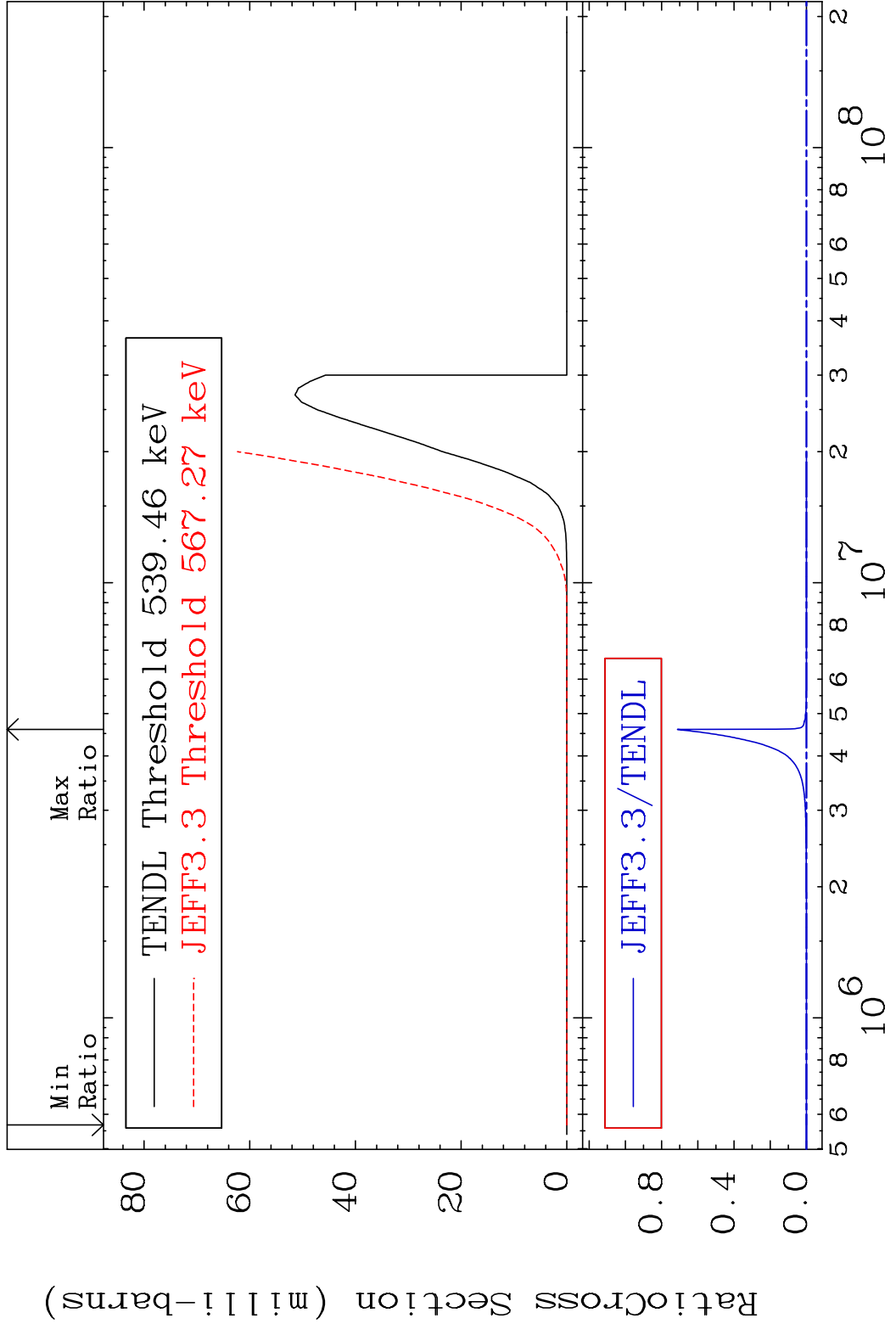


5

Incident Energy (eV)

56-Ba-130

MAT 5625 (n, n') α 56-Ba-130
 Cross Section -100.0 To 9999. %

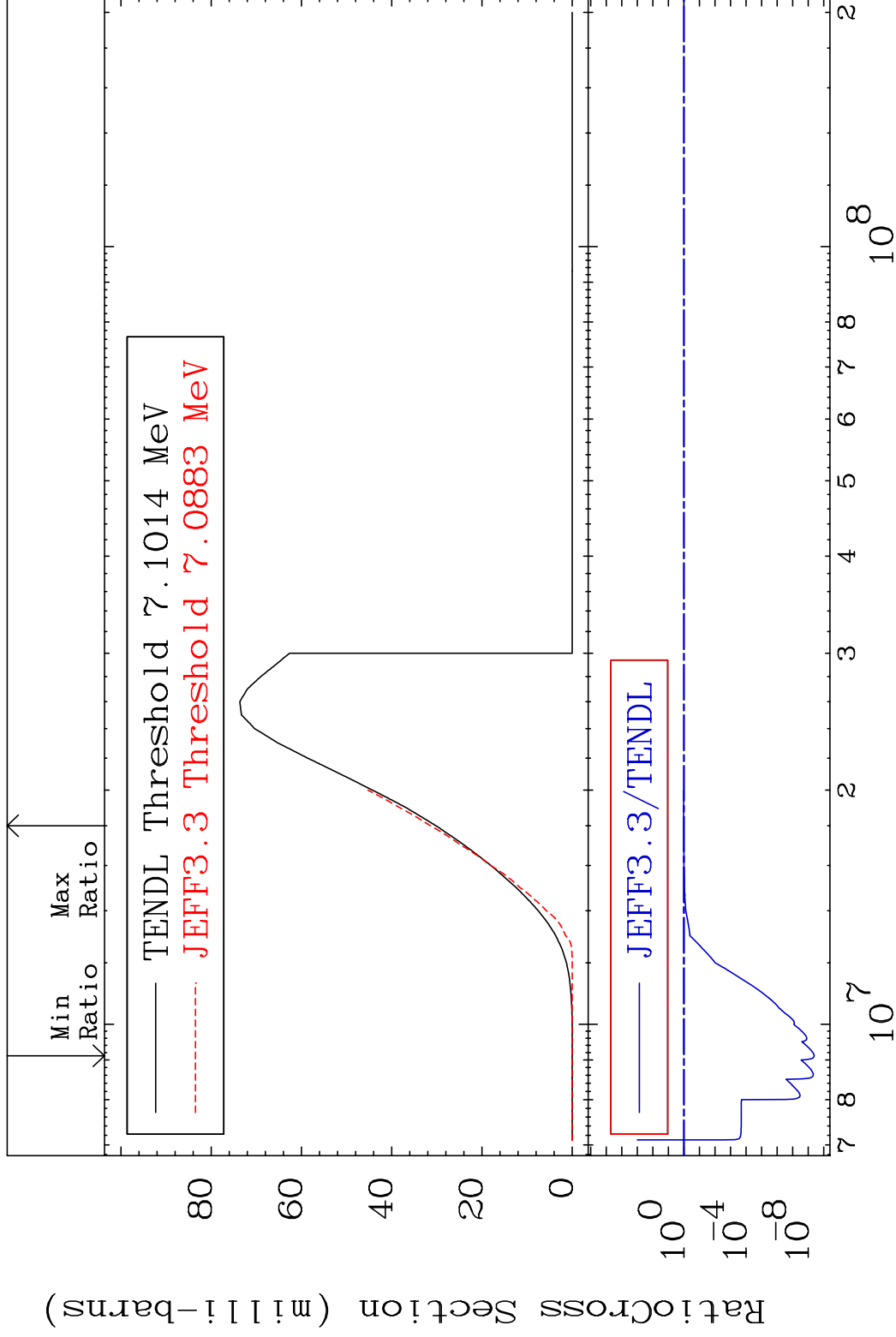


MAT 5625

(n, n') p

56-Ba-130

Cross Section -100.0 To 3.974 %

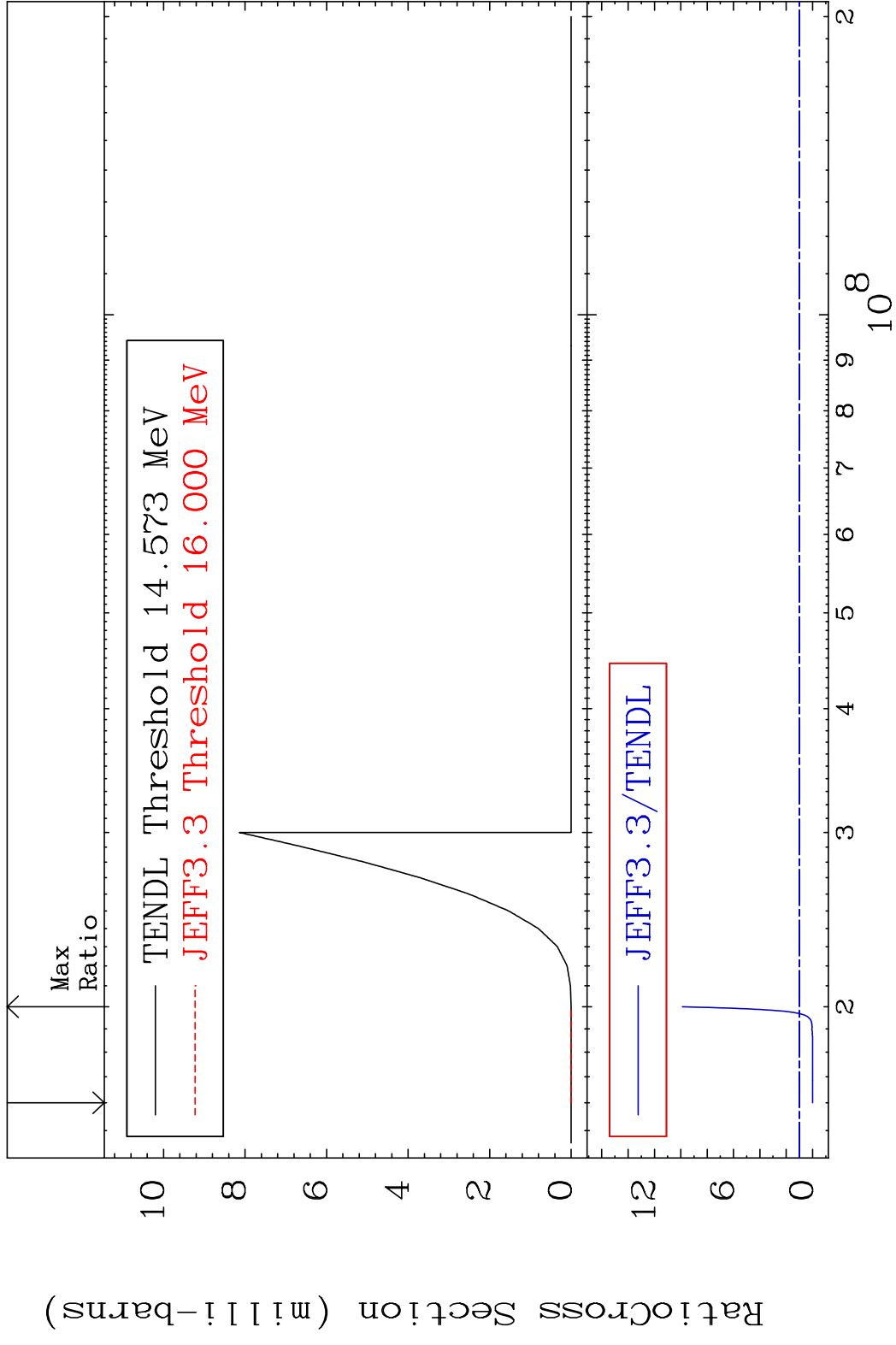


7

Incident Energy (eV)

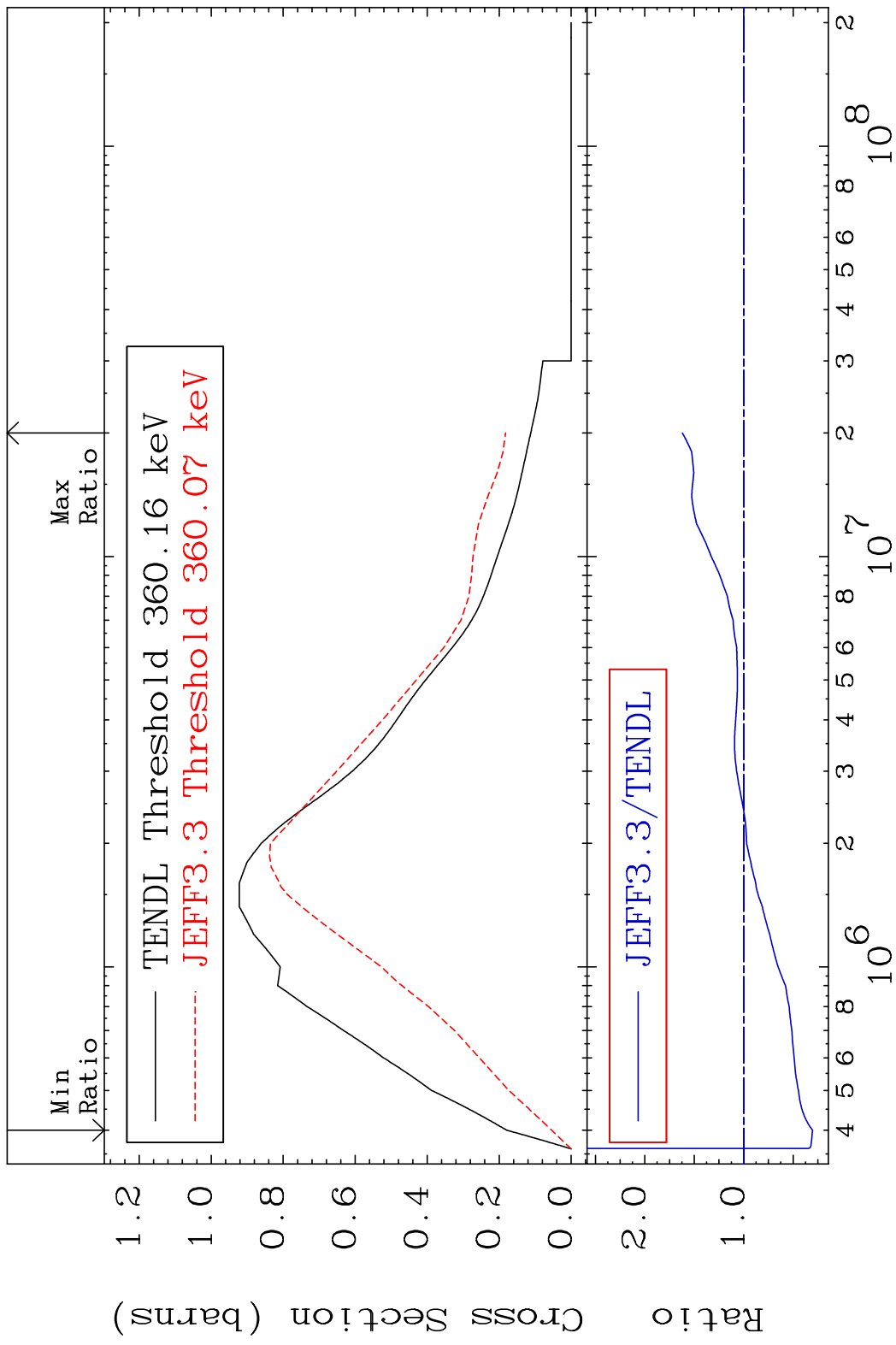
56-Ba-130

MAT 5625 (n, n') d 56-Ba-130
 Cross Section -100.0 To 888.3 %

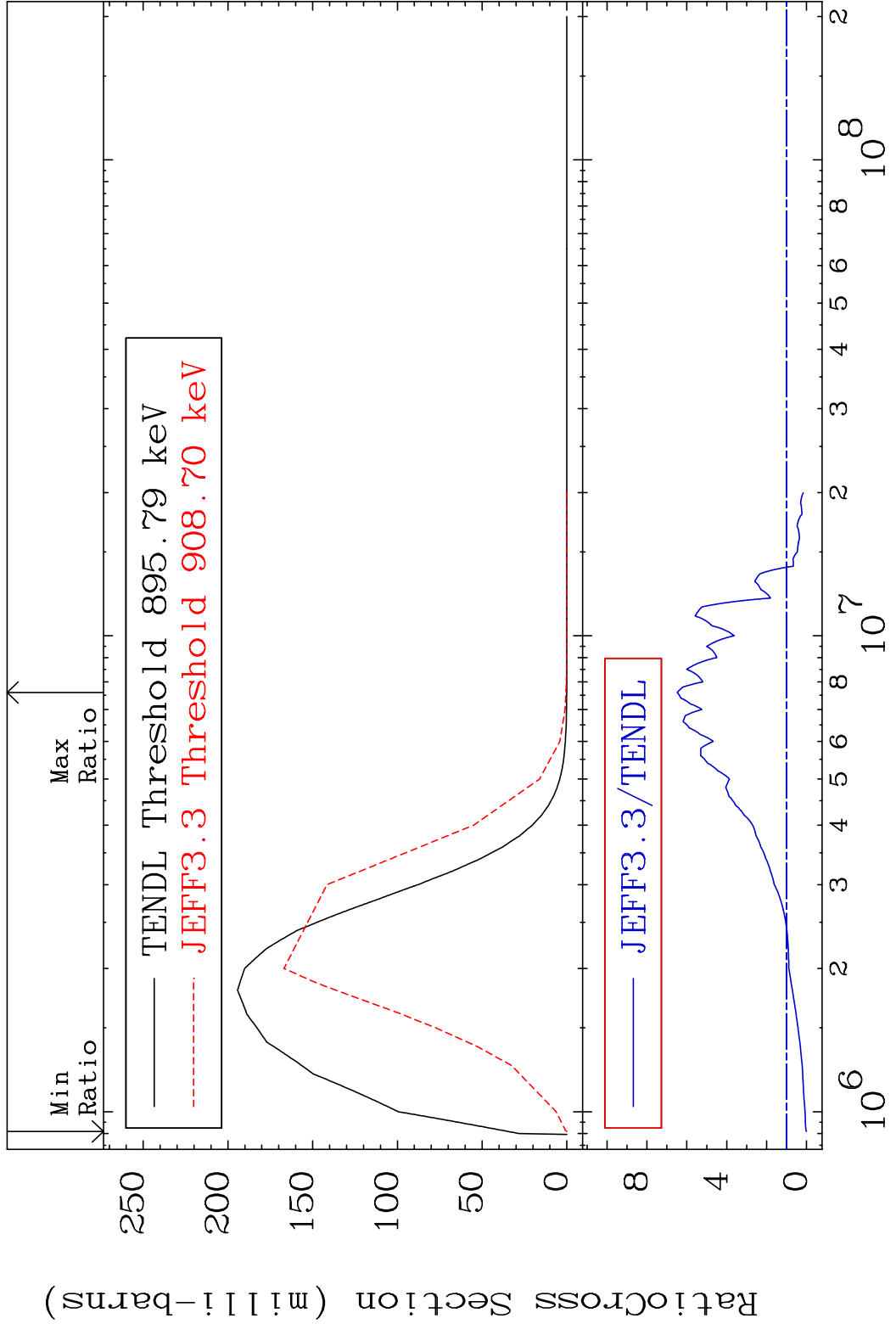


8 Incident Energy (eV) 56-Ba-130

MAT 5625 MT= 51 (n, n') Level 56-Ba-130
 Cross Section -69.65 To 62.05 %

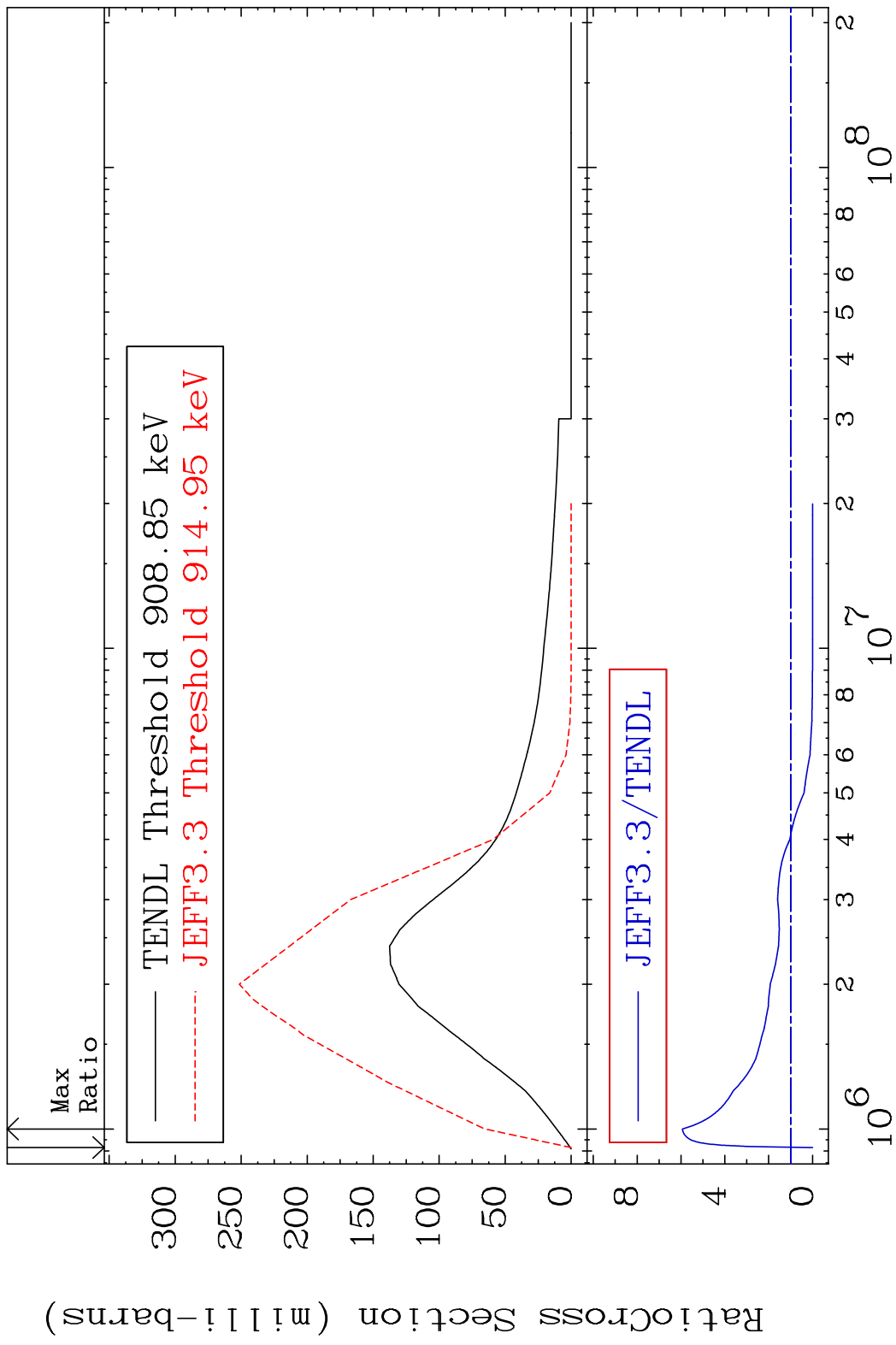


MAT 5625 MT= 52 (n, n') Level 56-Ba-130
 Cross Section -100.0 To 548.4 %



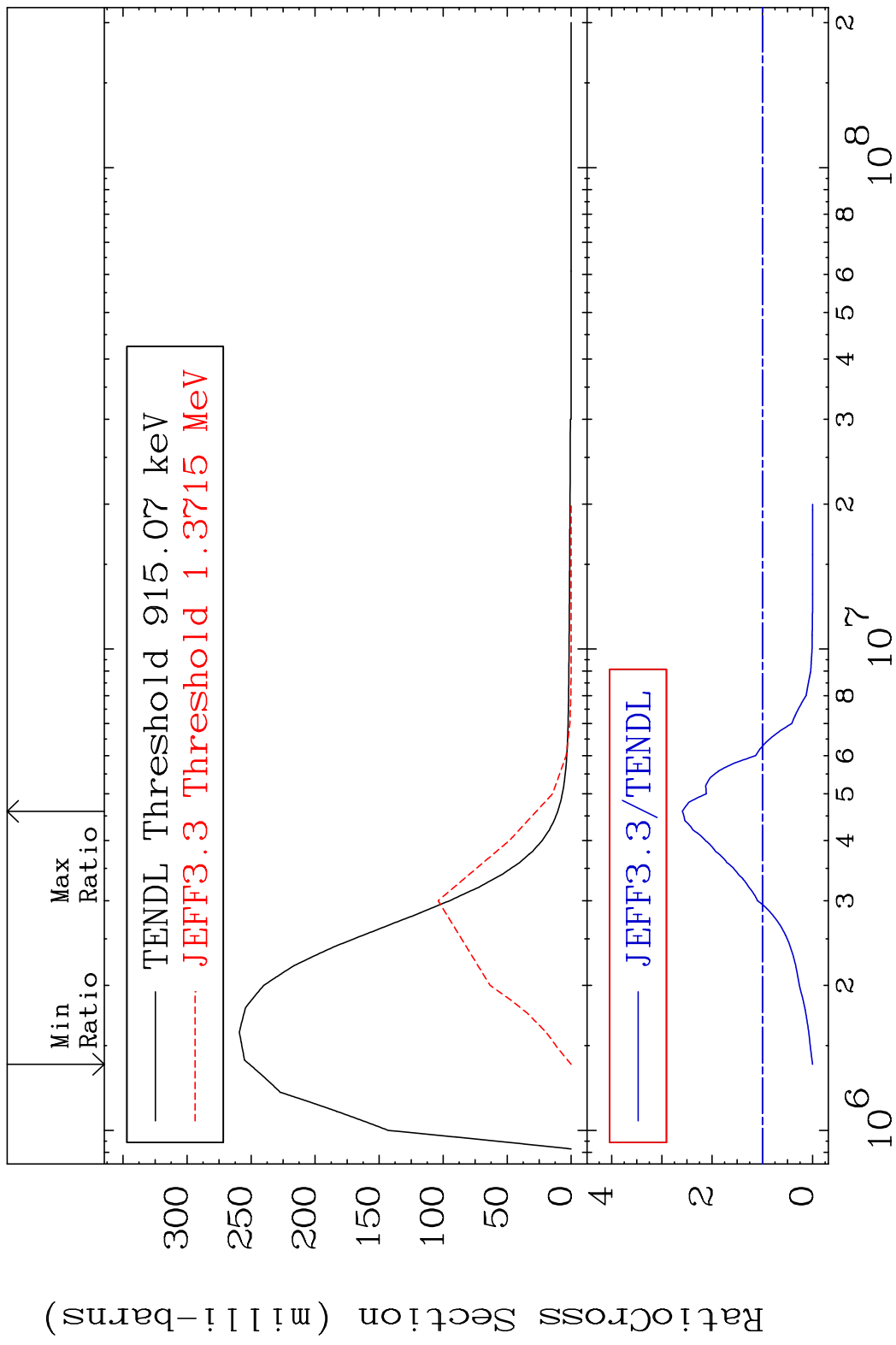
10 10⁶ 10⁷ 10⁸ 56-Ba-130

MAT 5625 MT= 53 (n, n') Level 56-Ba-130
 Cross Section -100.0 To 493.8 %



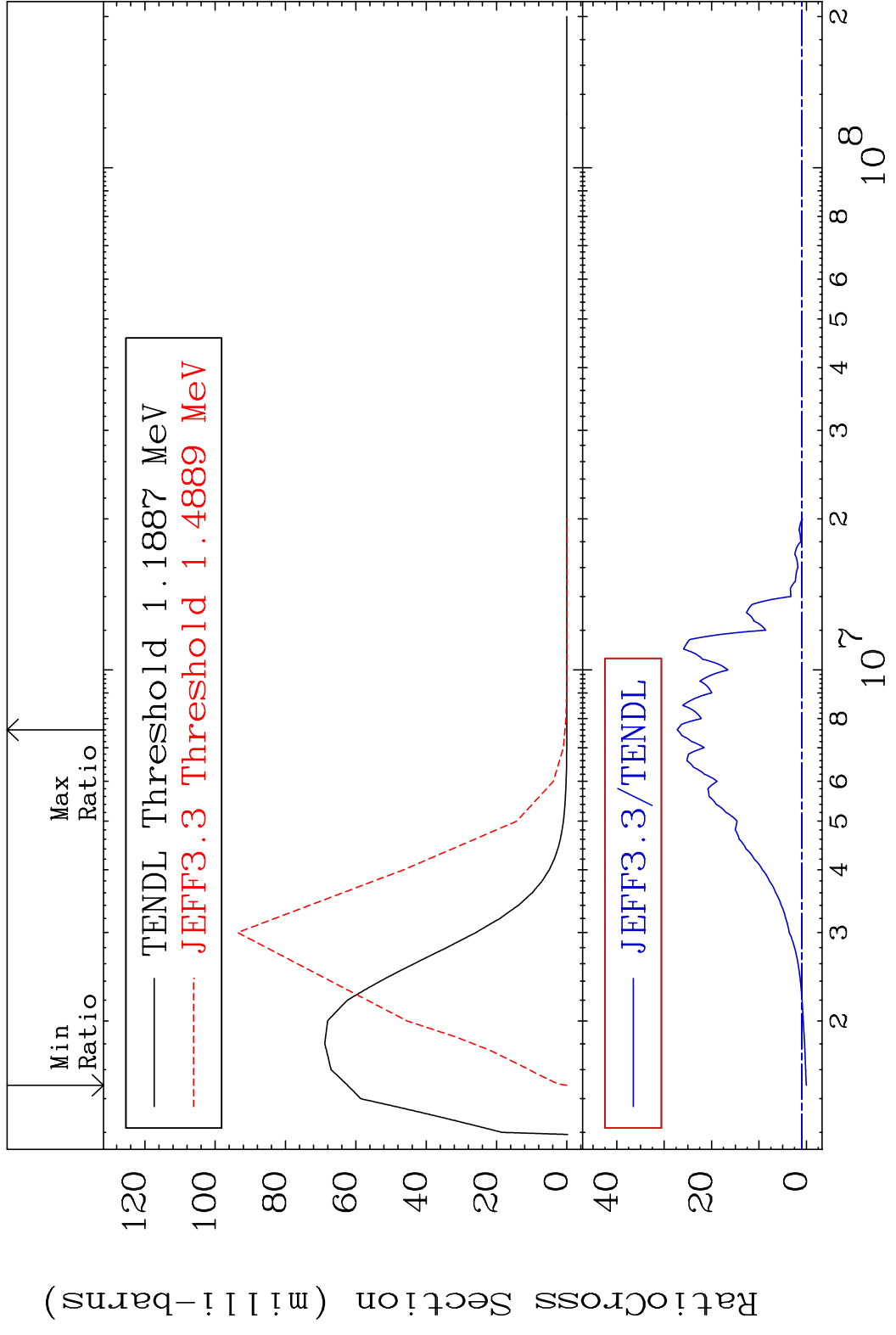
11 Incident Energy (eV) 56-Ba-130

MAT 5625 MT= 54 (n, n') Level 56-Ba-130
 Cross Section -100.0 To 159.2 %

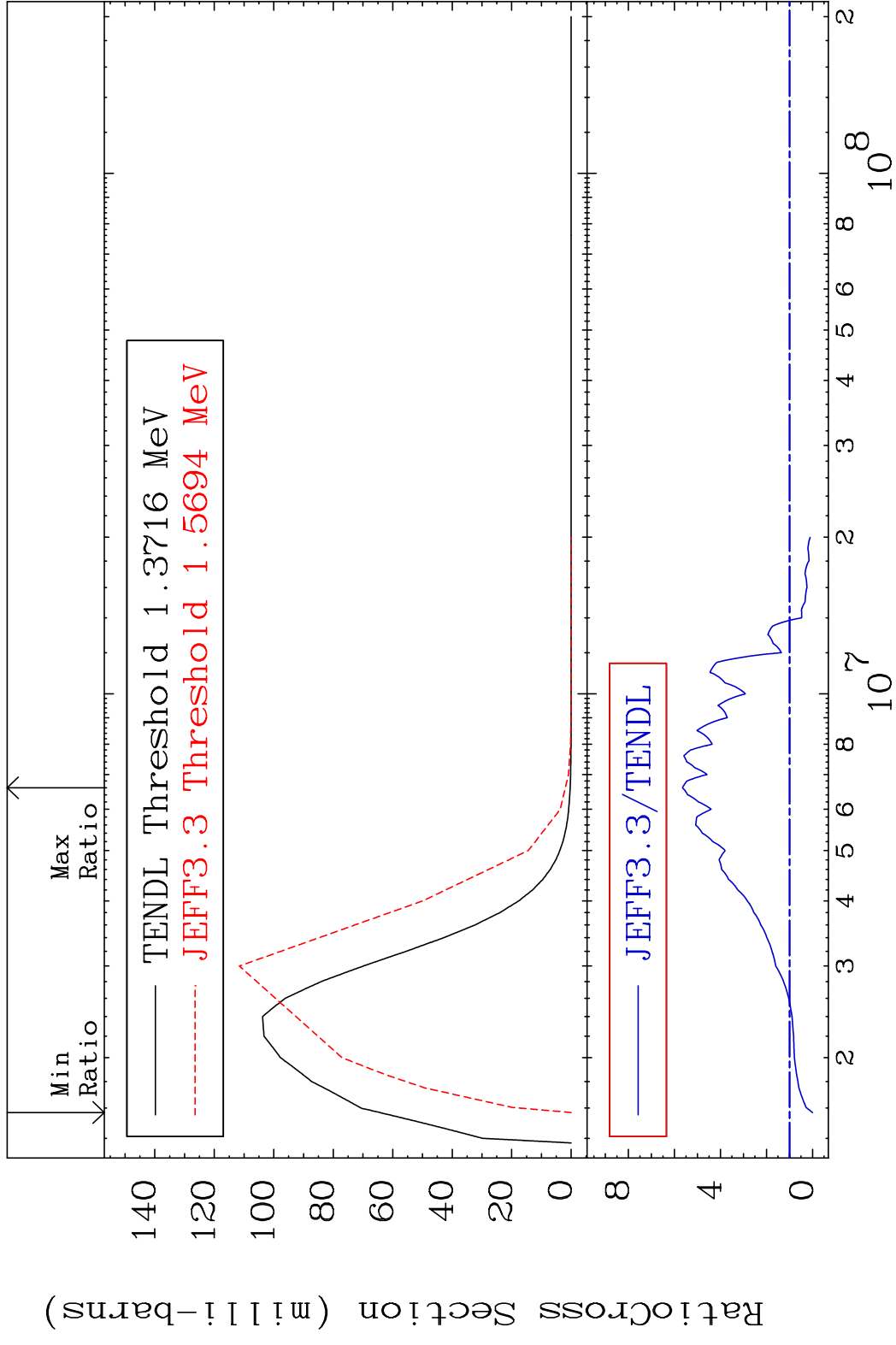


12 Incident Energy (eV) 56-Ba-130

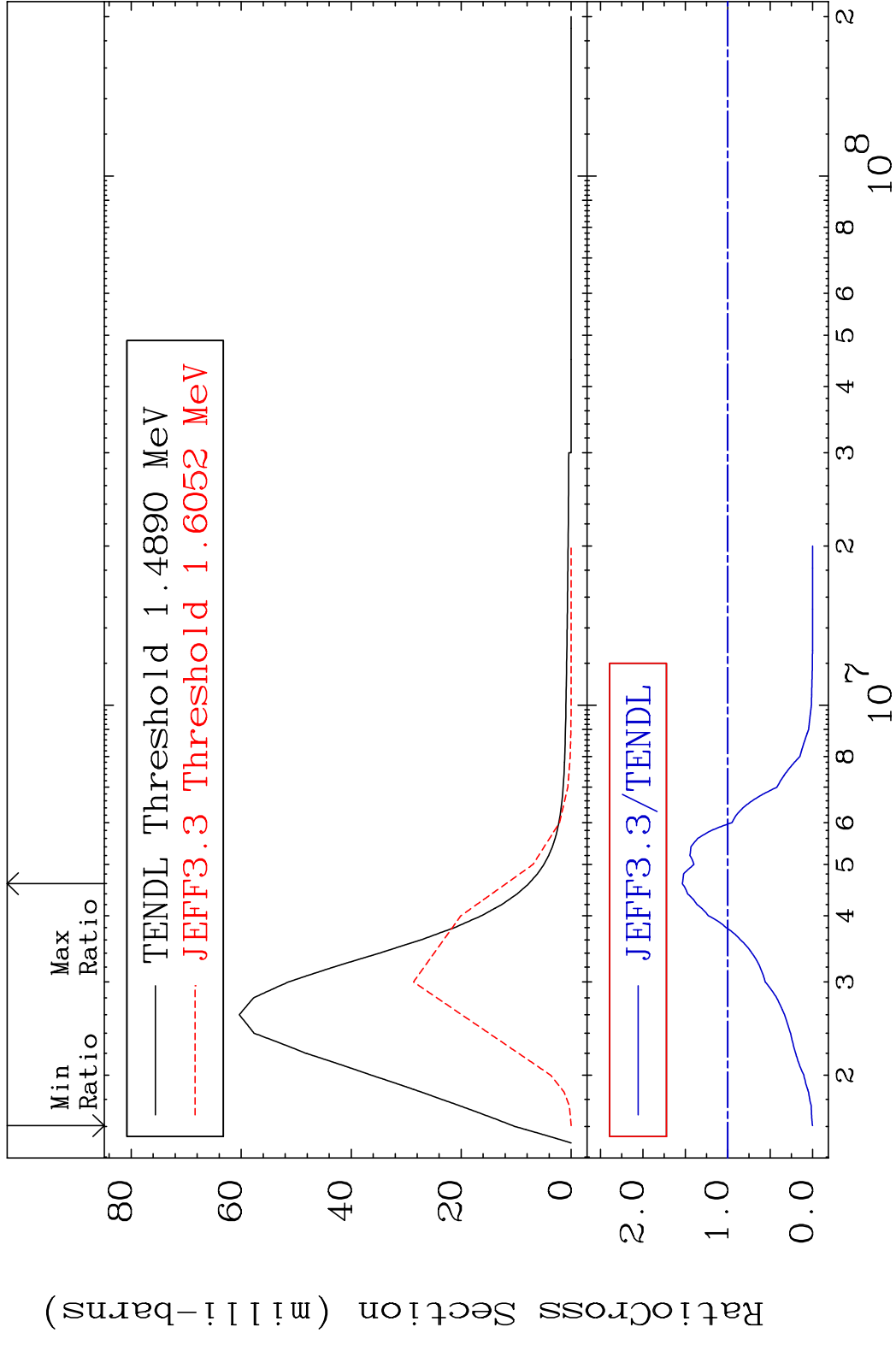
MAT 5625 MT= 55 (n,n') Level 56-Ba-130
 Cross Section -100.0 To 2626. %



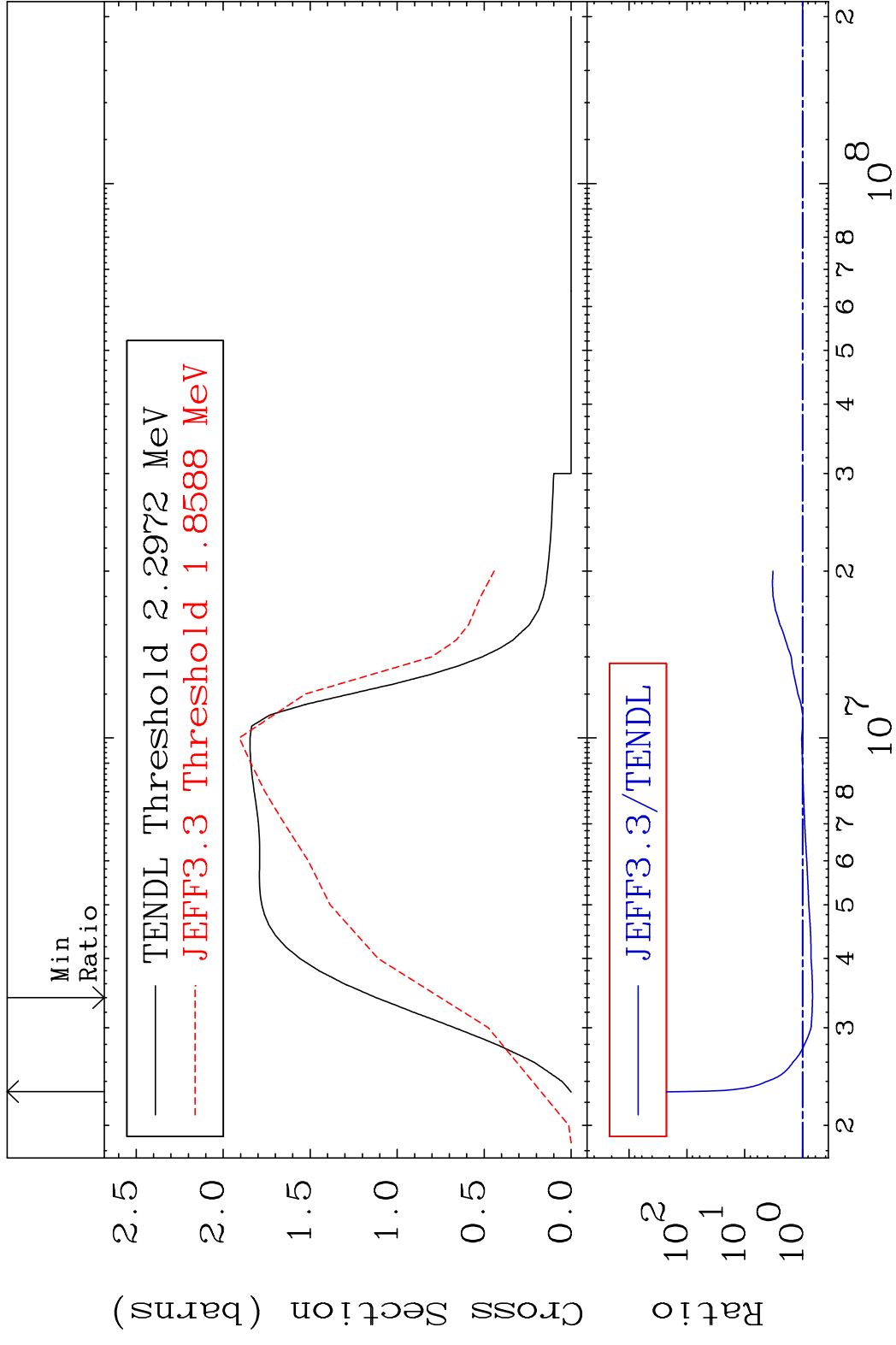
MAT 5625 MT= 56 (n,n') Level 56-Ba-130
 Cross Section -100.0 To 465.6 %



MAT 5625 MT= 57 (n,n') Level 56-Ba-130
 Cross Section -100.0 To 53.58 %

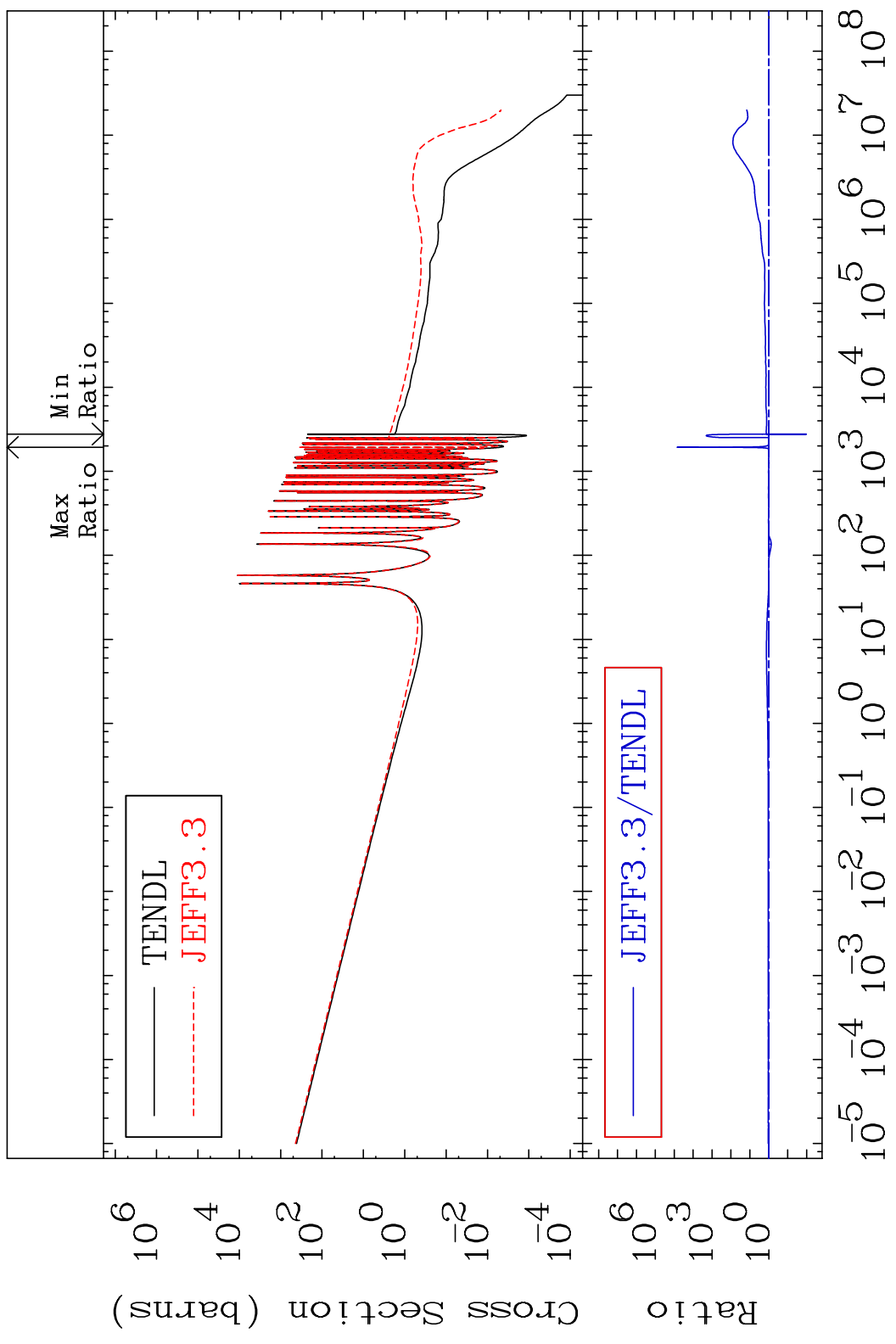


MAT 5625 (n, n') Continuum 56-Ba-130
 Cross Section -33.00 To 9999. %



MAT 5625

(n, γ)
Cross Section -98.98 To 9999. %
56-Ba-130



17

Incident Energy (eV)

56-Ba-130

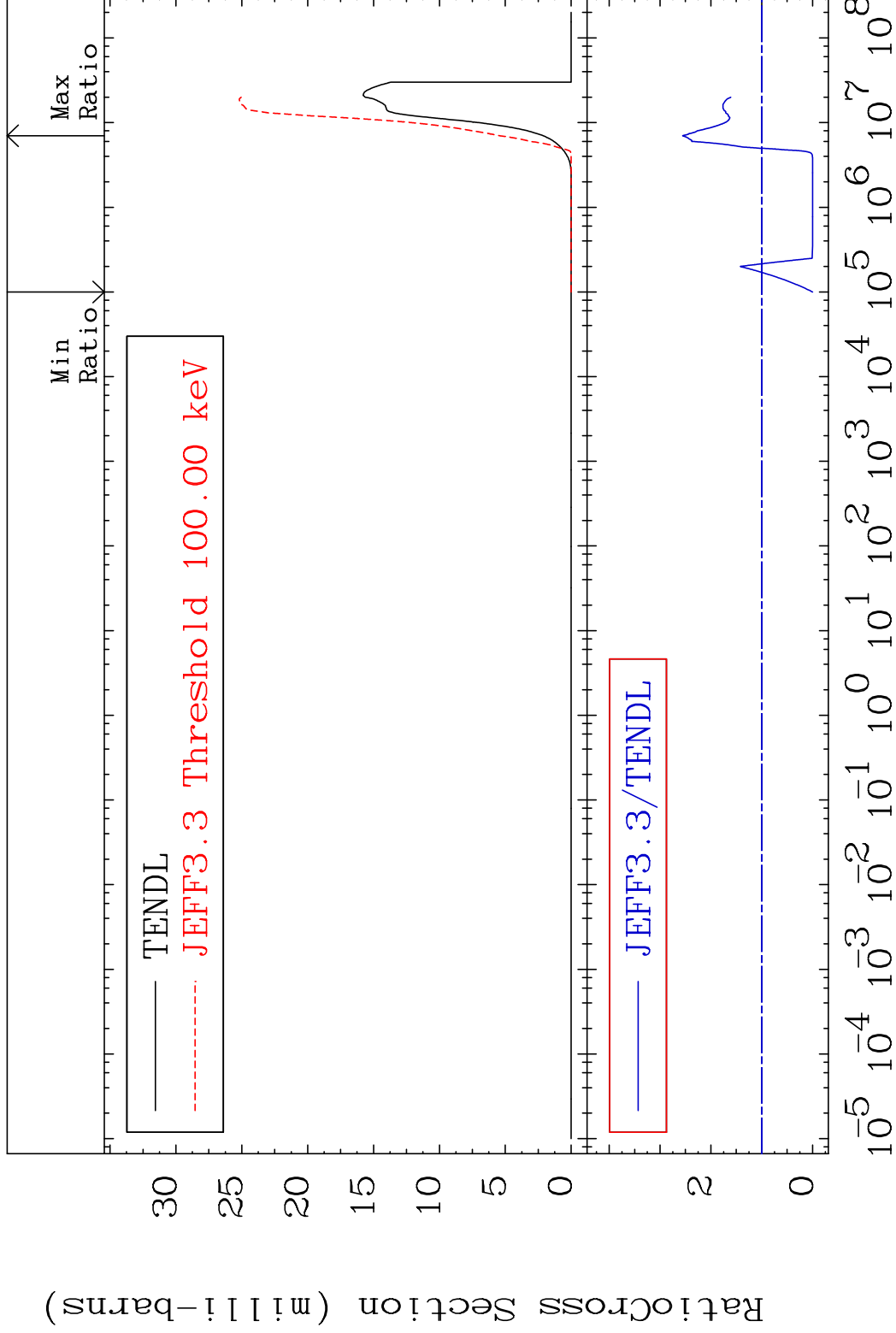
MAT 5625

(n, p)

56-Ba-130

Cross Section

-100.0 To 156.1 %



18

Incident Energy (eV)

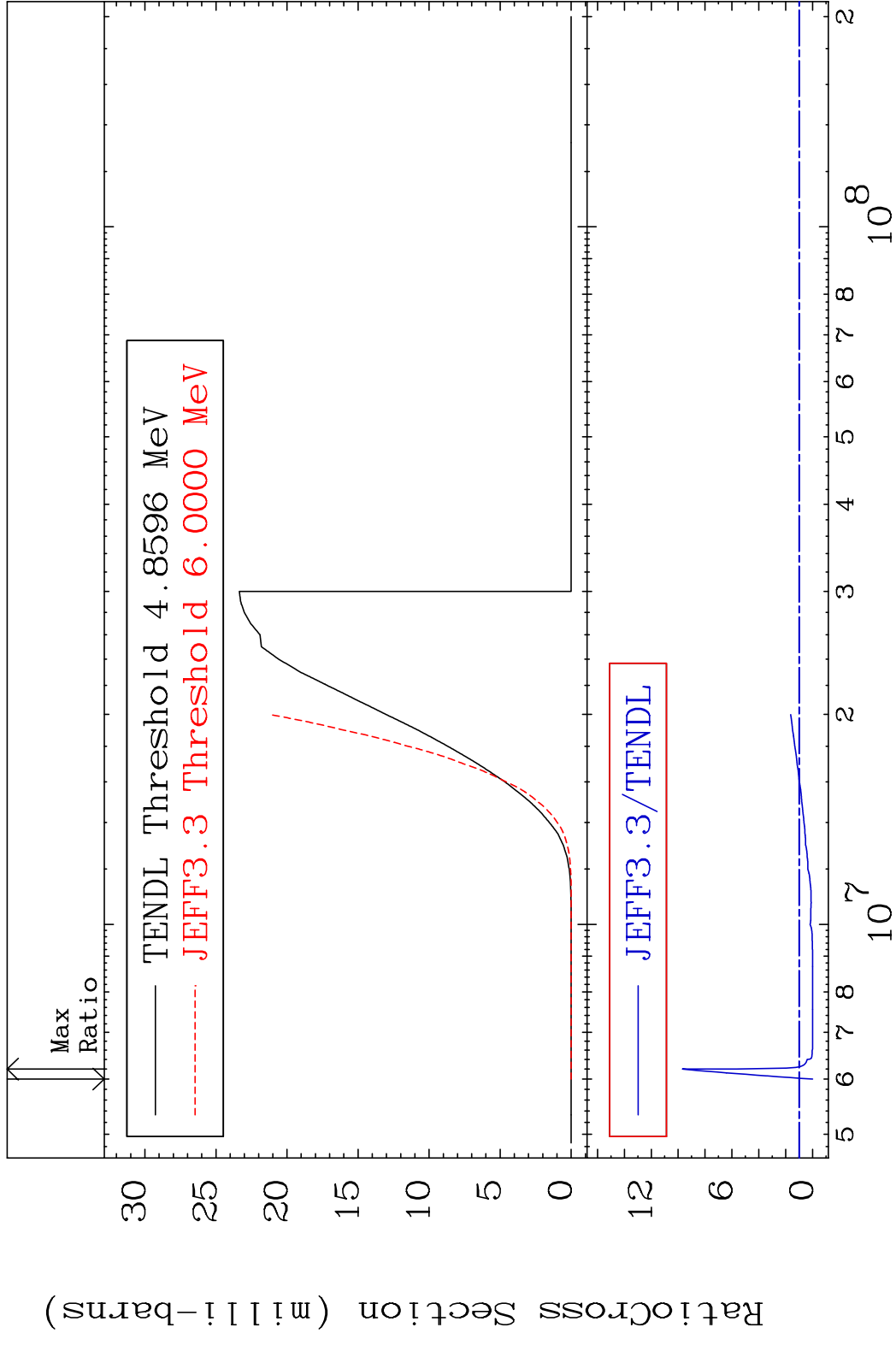
56-Ba-130

MAT 5625

(n,d)

56-Ba-130

Cross Section -100.0 To 868.7 %

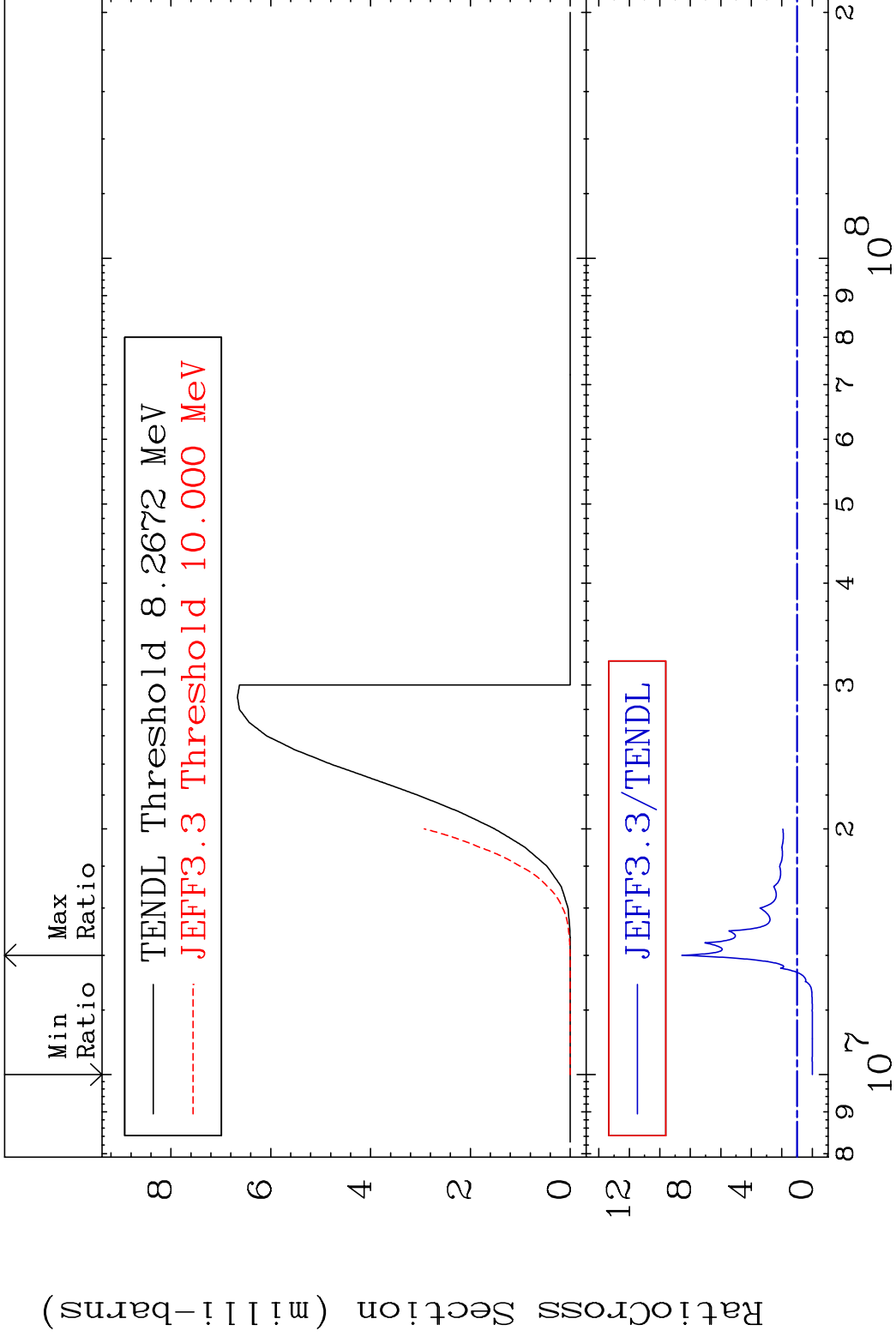


MAT 5625

(n, t)

56-Ba-130

Cross Section -100.0 To 756.3 %



20

Incident Energy (eV)

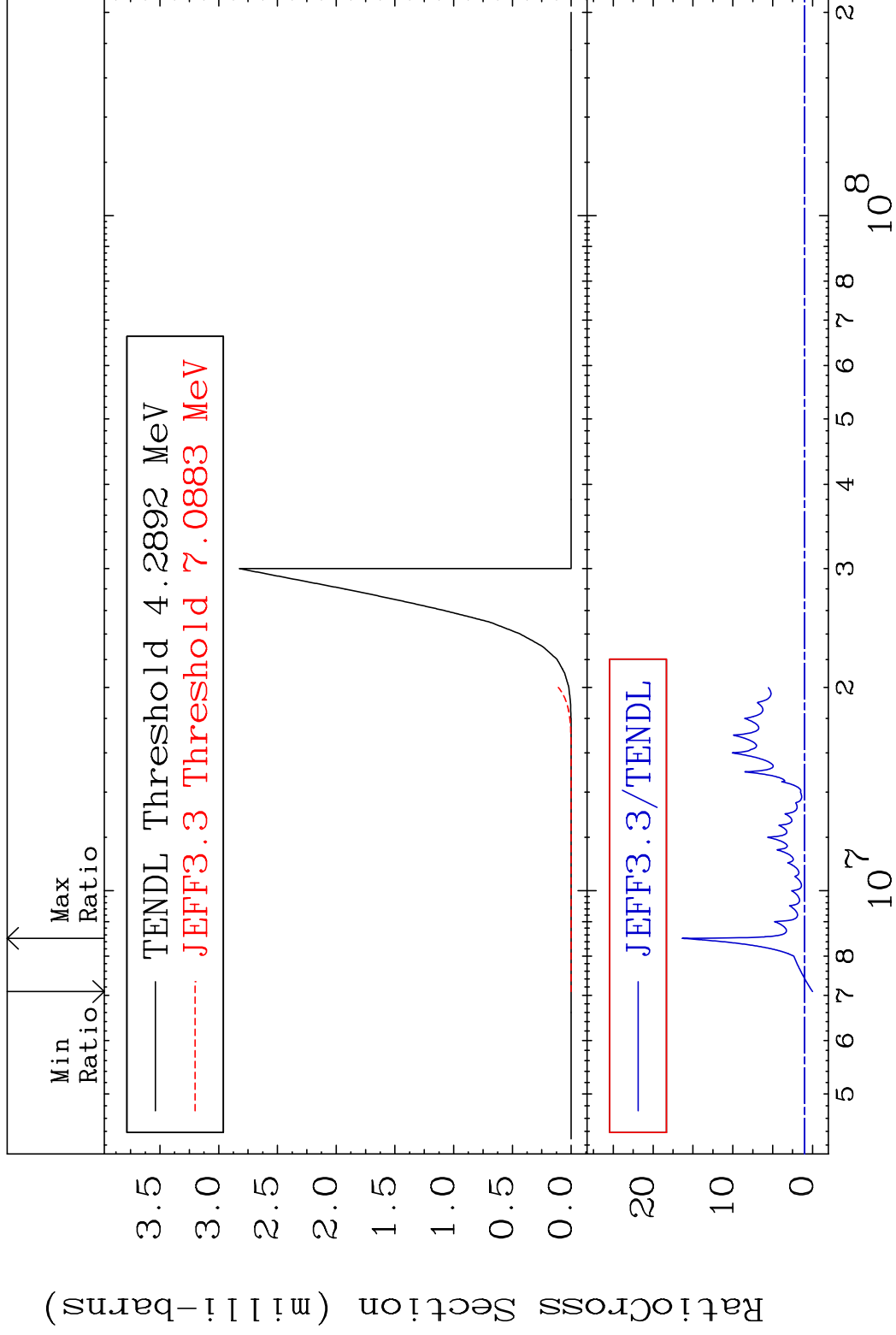
56-Ba-130

MAT 5625

(n, He-3)

56-Ba-130

Cross Section -100.0 To 1533. %

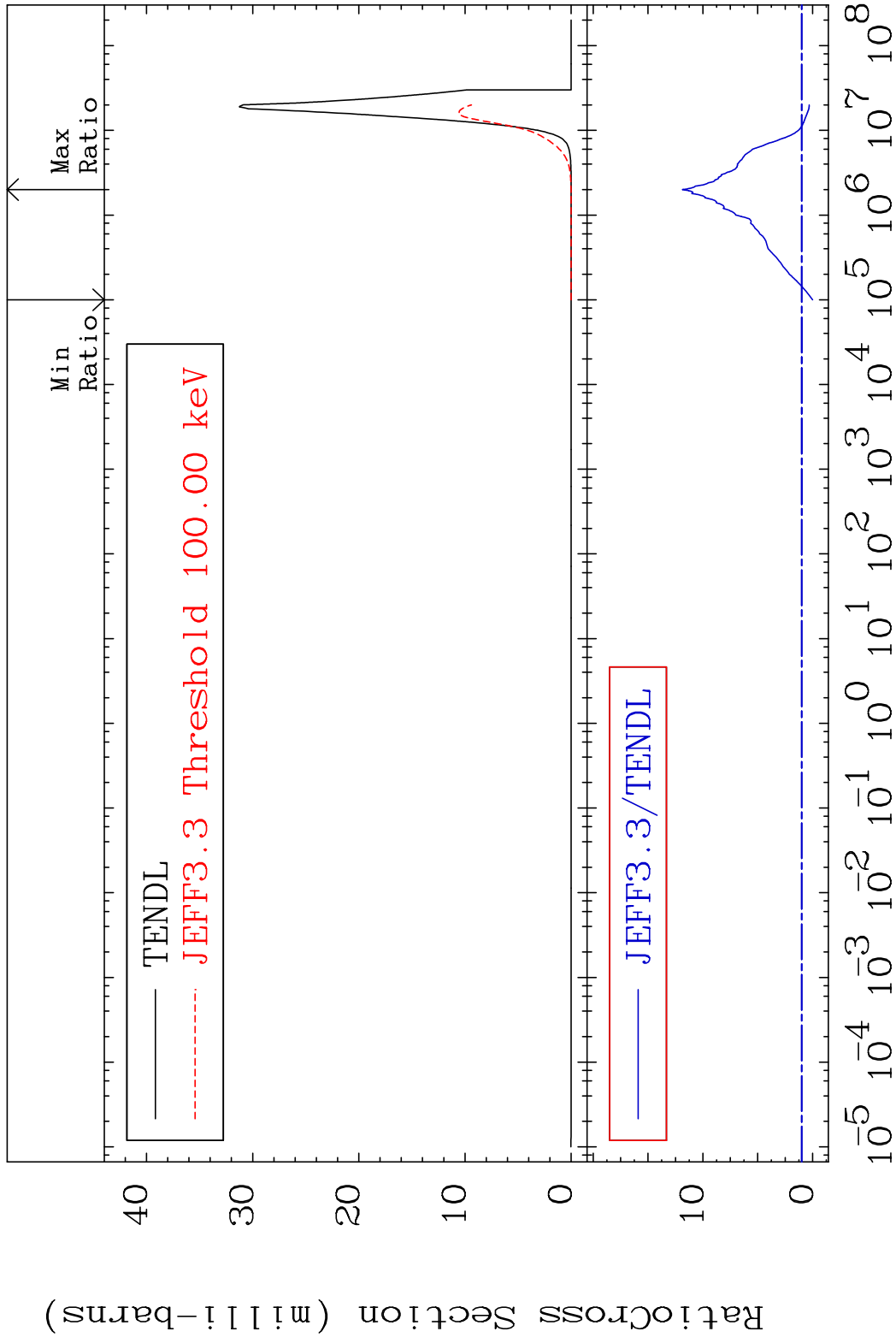


MAT 5625

(n, α)

56-Ba-130

Cross Section -100.0 To 1087. %

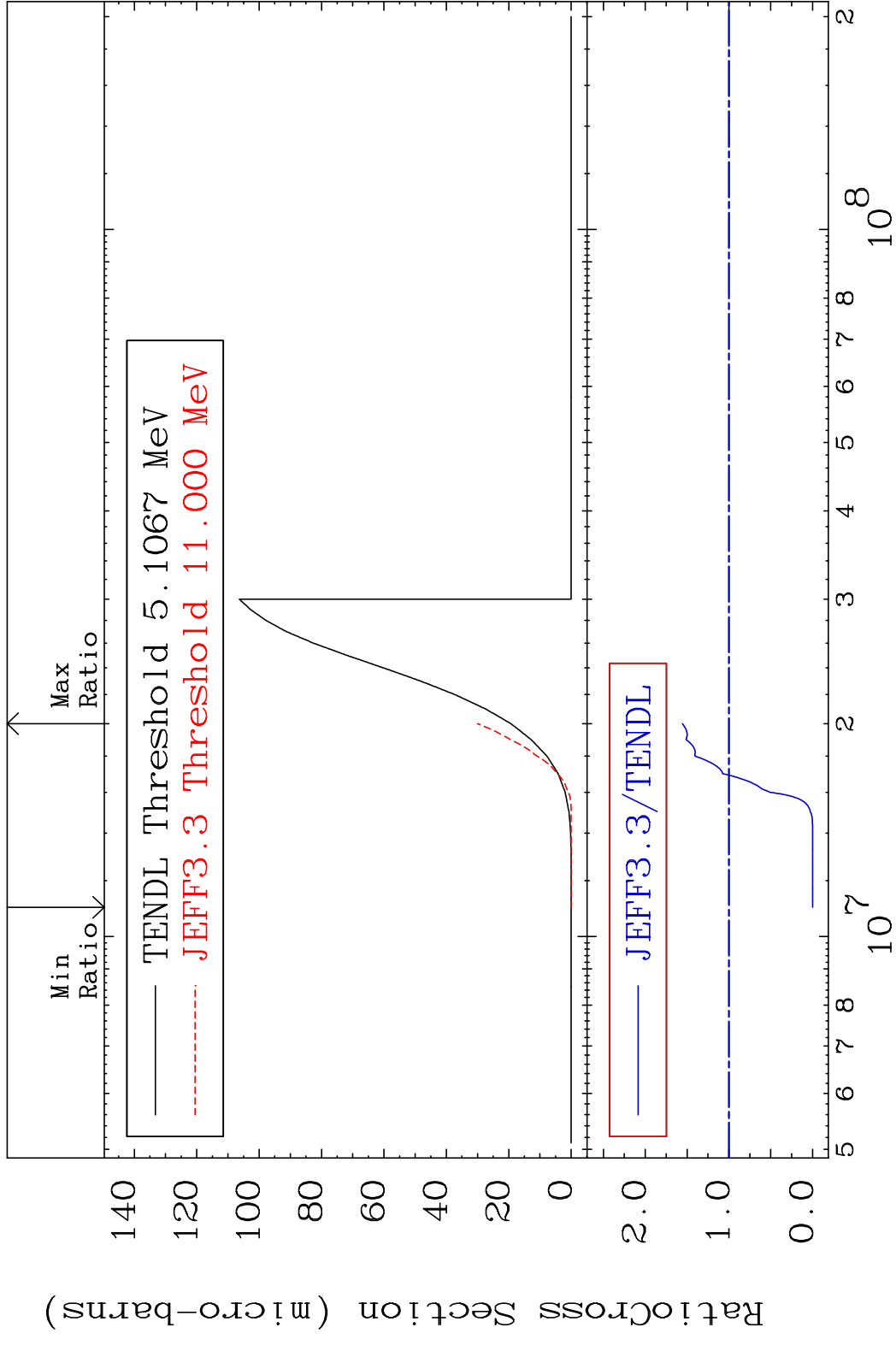


22

Incident Energy (eV)

56-Ba-130

MAT 5625 (n,2p) 56-Ba-130
 Cross Section -100.0 To 55.65 %

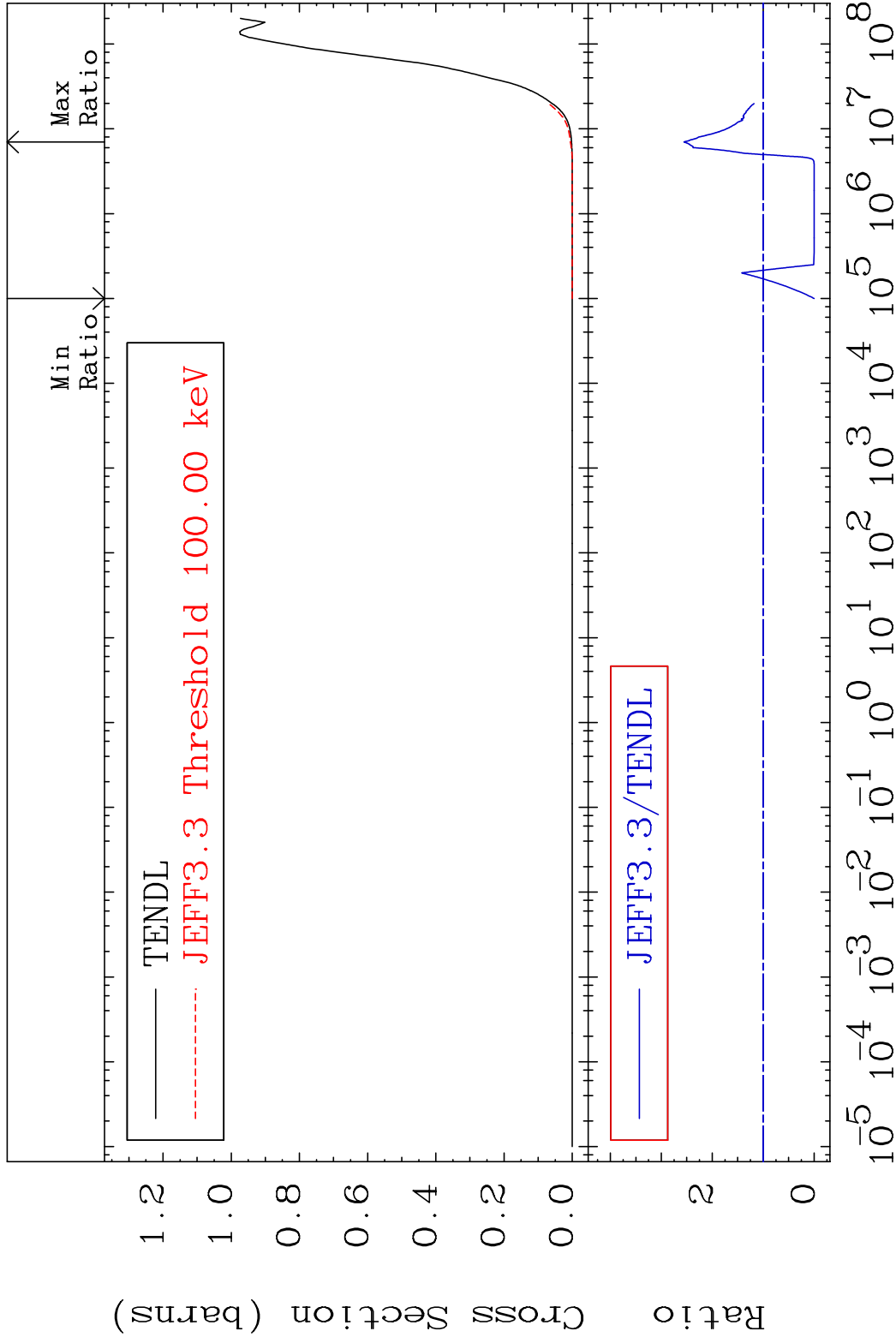


MAT 5625

Hydrogen Production

56-Ba-130

Cross Section -100.0 To 156.1 %



24

Incident Energy (eV)

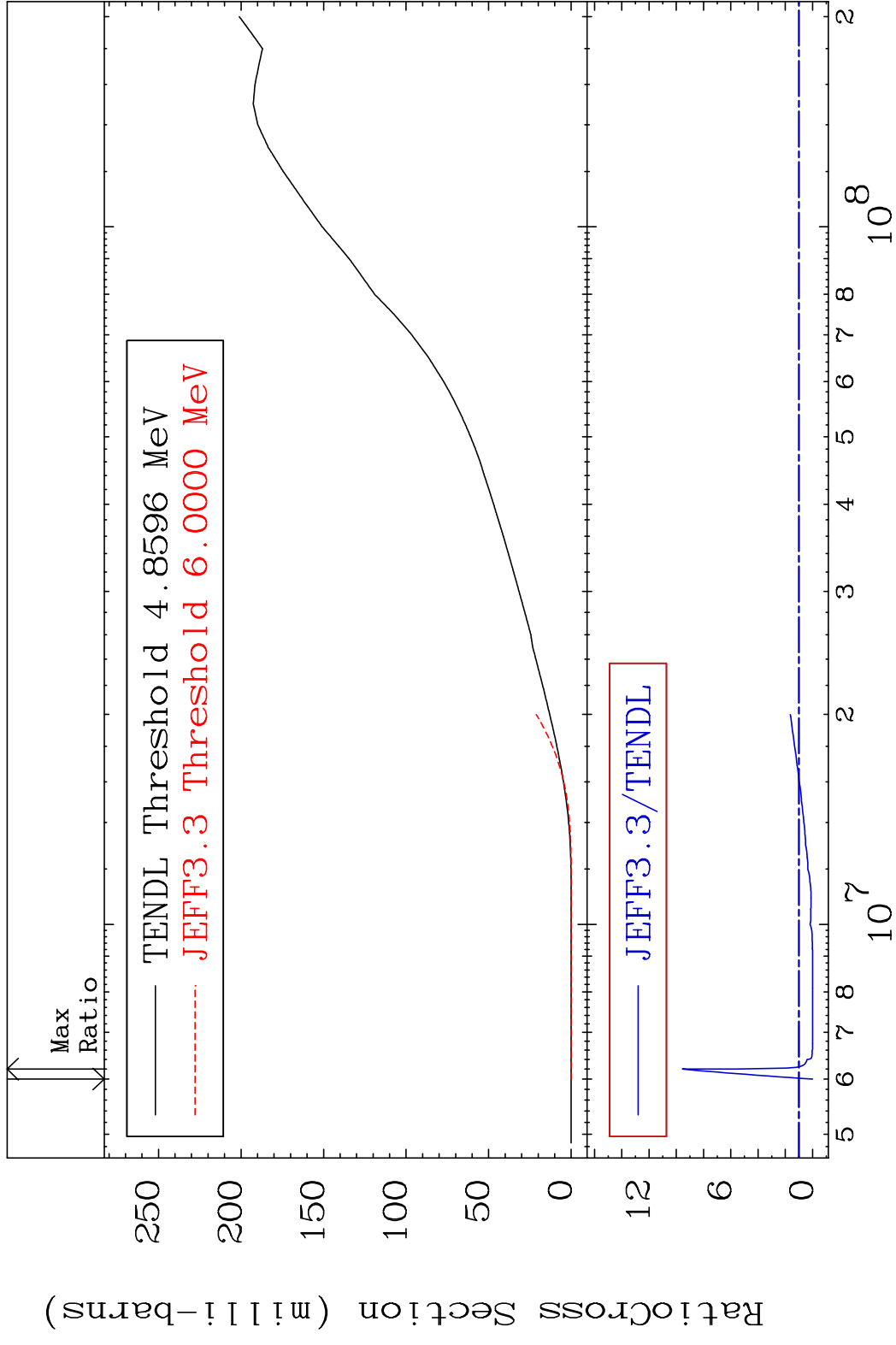
56-Ba-130

MAT 5625

Deuterium Production

56-Ba-130

Cross Section -100.0 To 855.7 %



25

Incident Energy (eV)

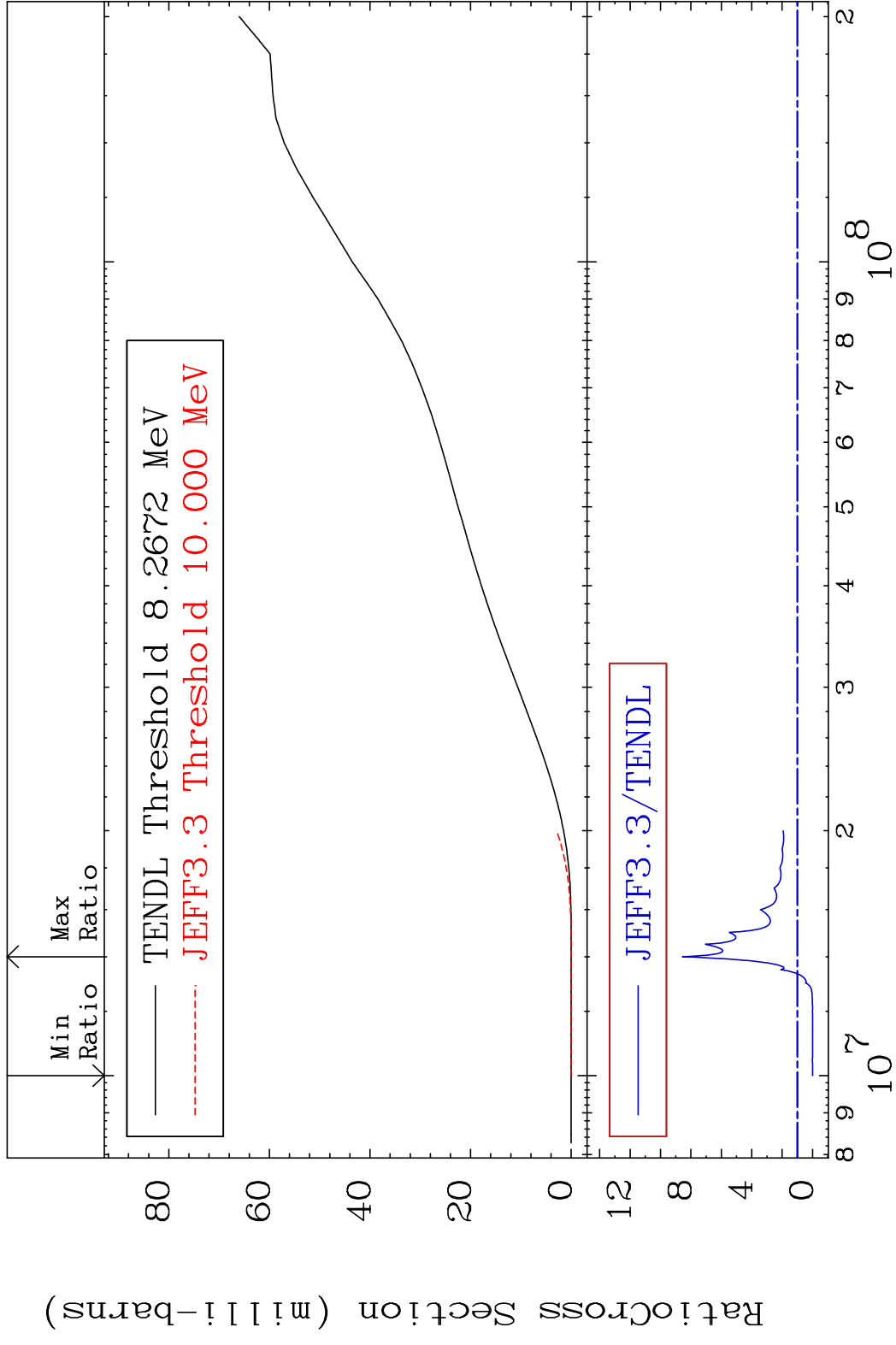
56-Ba-130

MAT 5625

Tritium Production

56-Ba-130

Cross Section -100.0 To 756.3 %

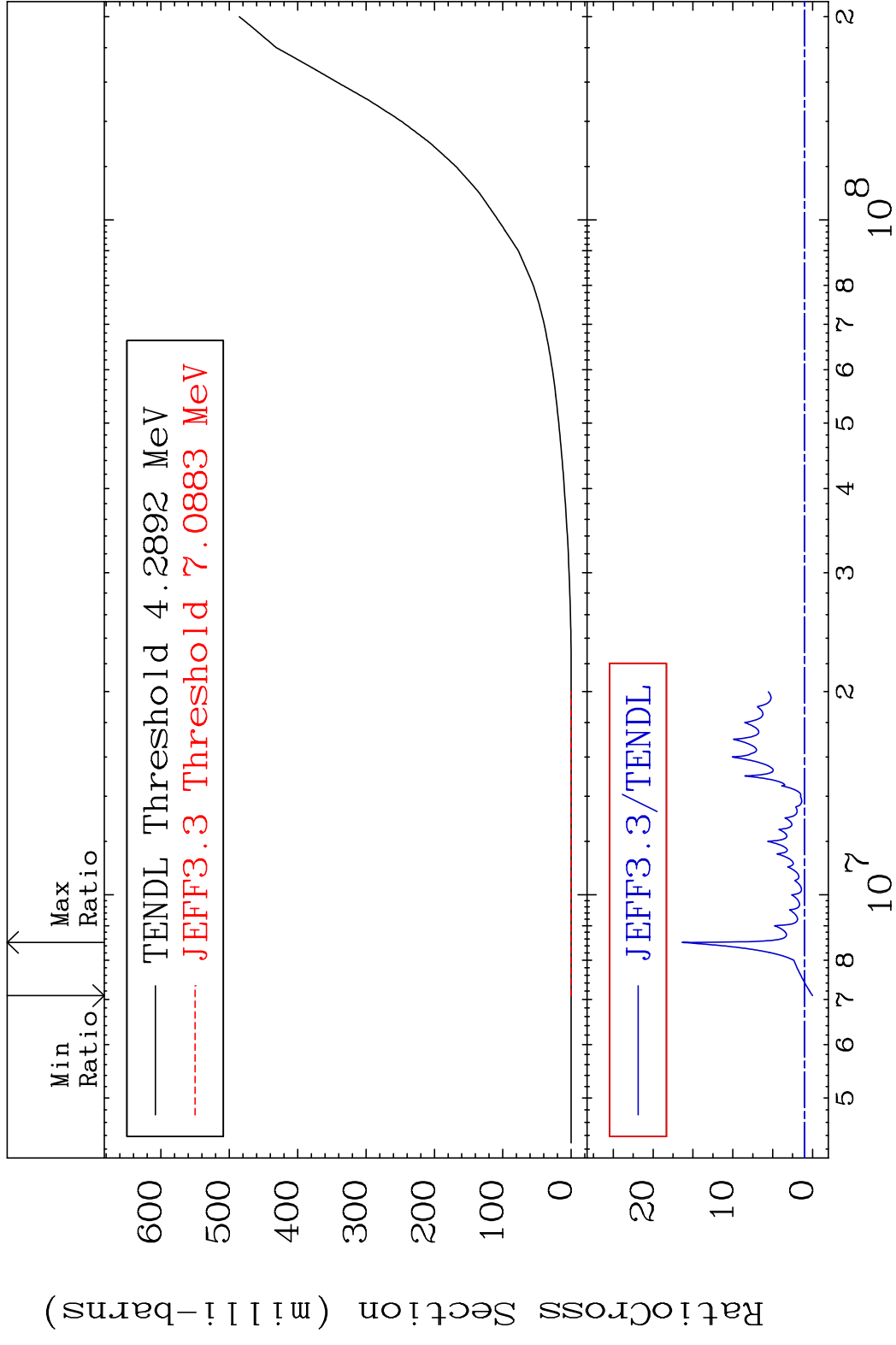


MAT 5625

He-3 Production

56-Ba-130

Cross Section -100.0 To 1533. %

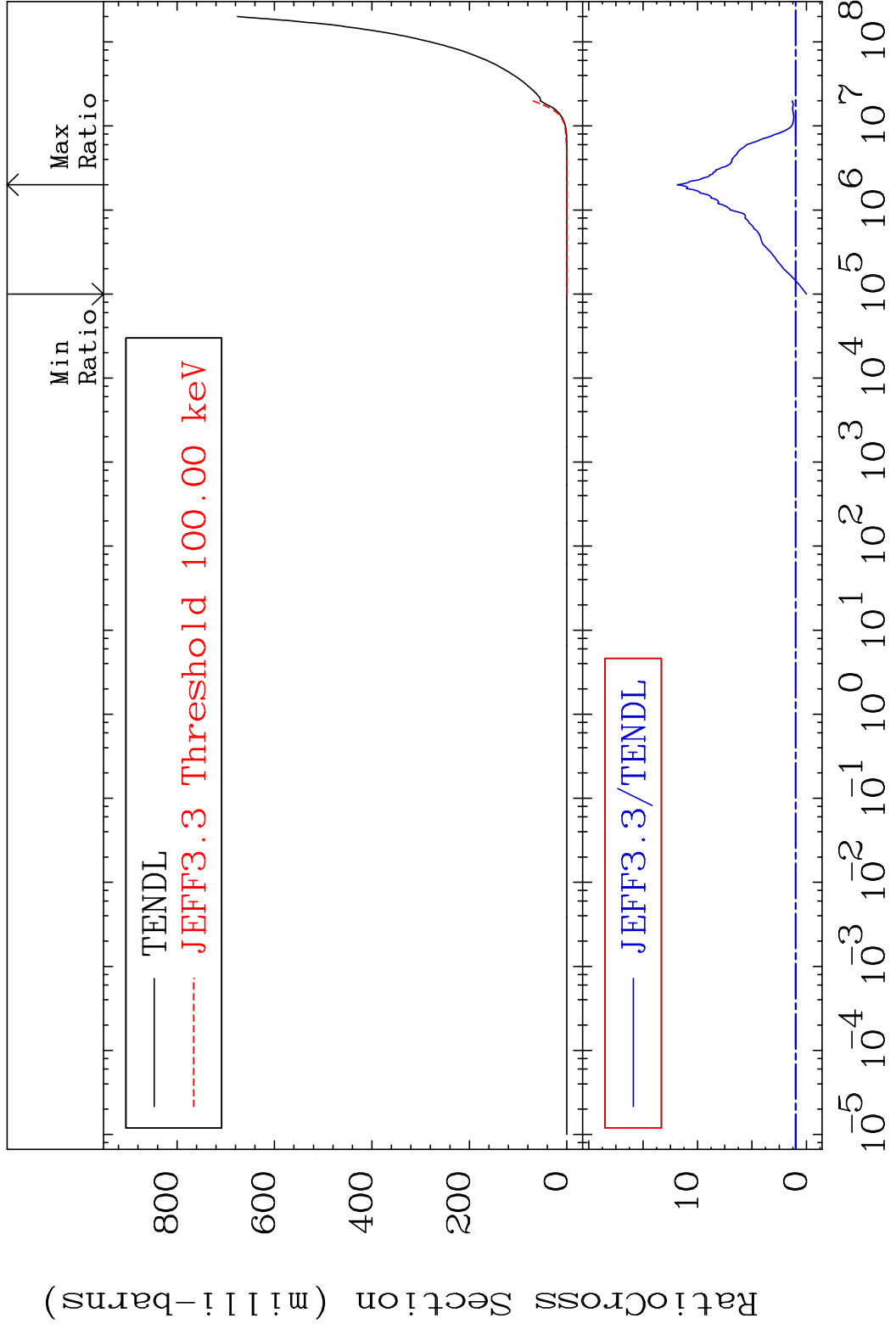


MAT 5625

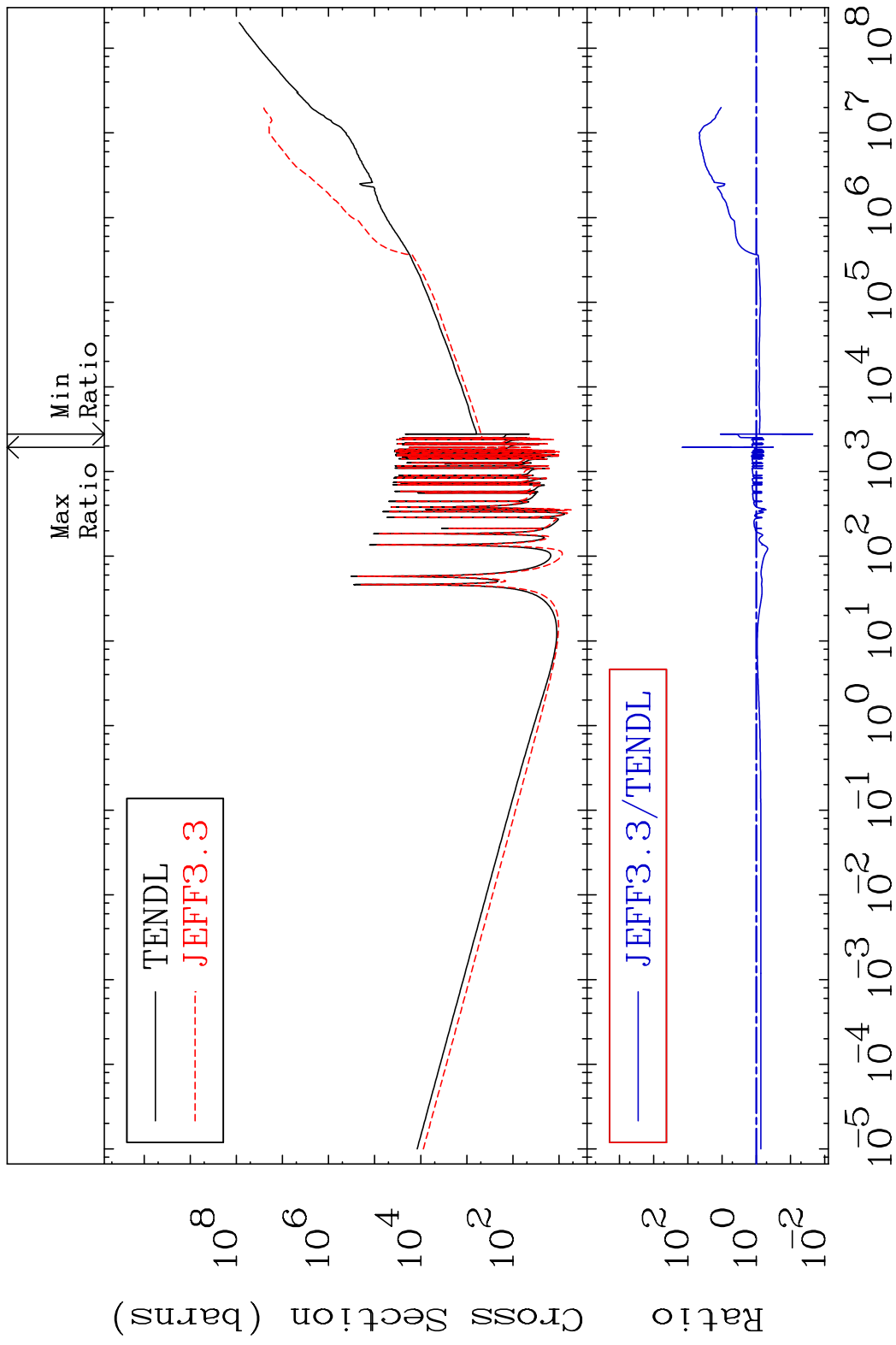
He-4 Production

56-Ba-130

Cross Section -100.0 To 1087. %



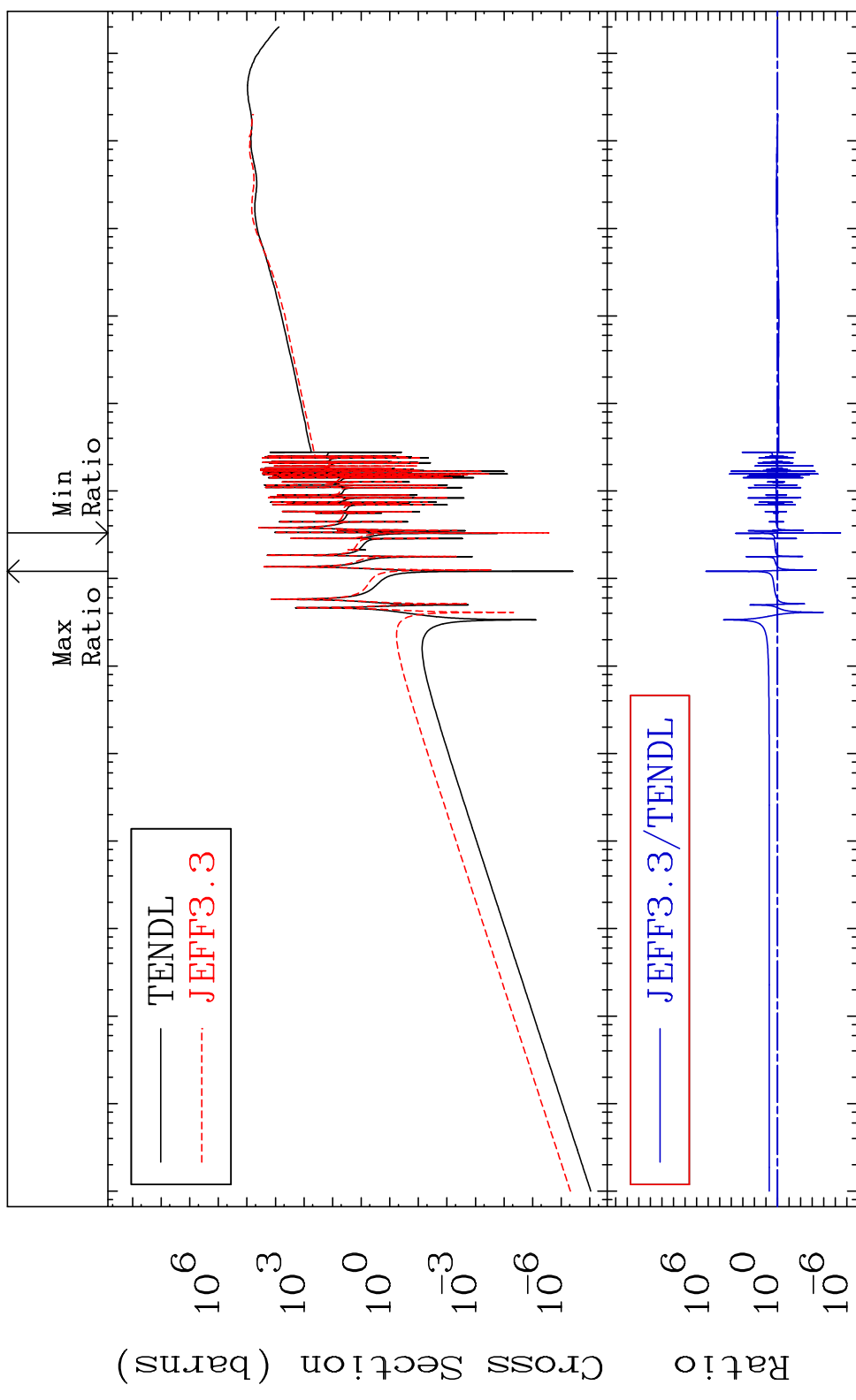
MAT 5625 Kerma total (eV-barns) 56-Ba-130
 Cross Section -97.72 To 9999. %



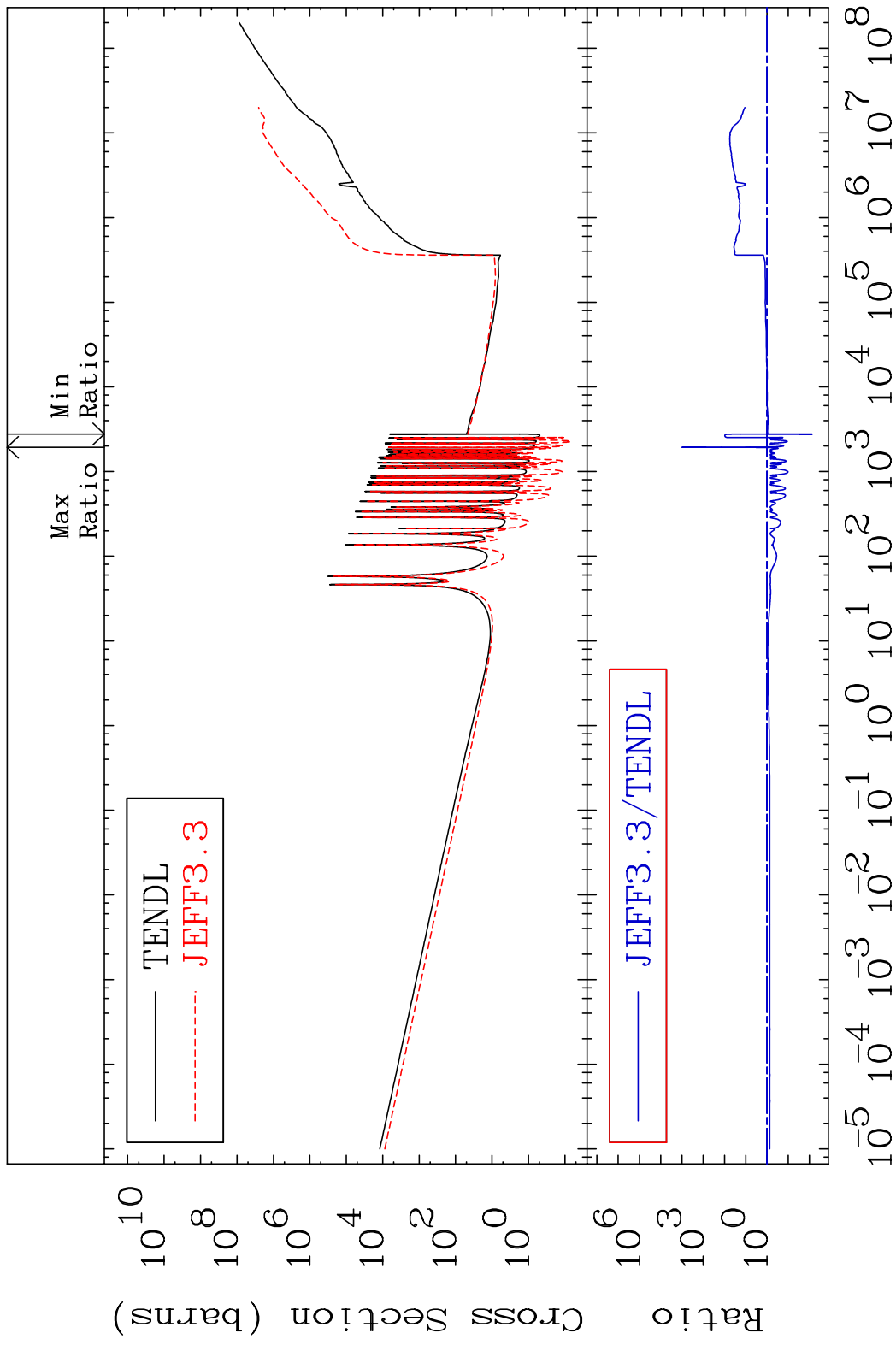
29 Incident Energy (eV) 56-Ba-130

MAT 5625

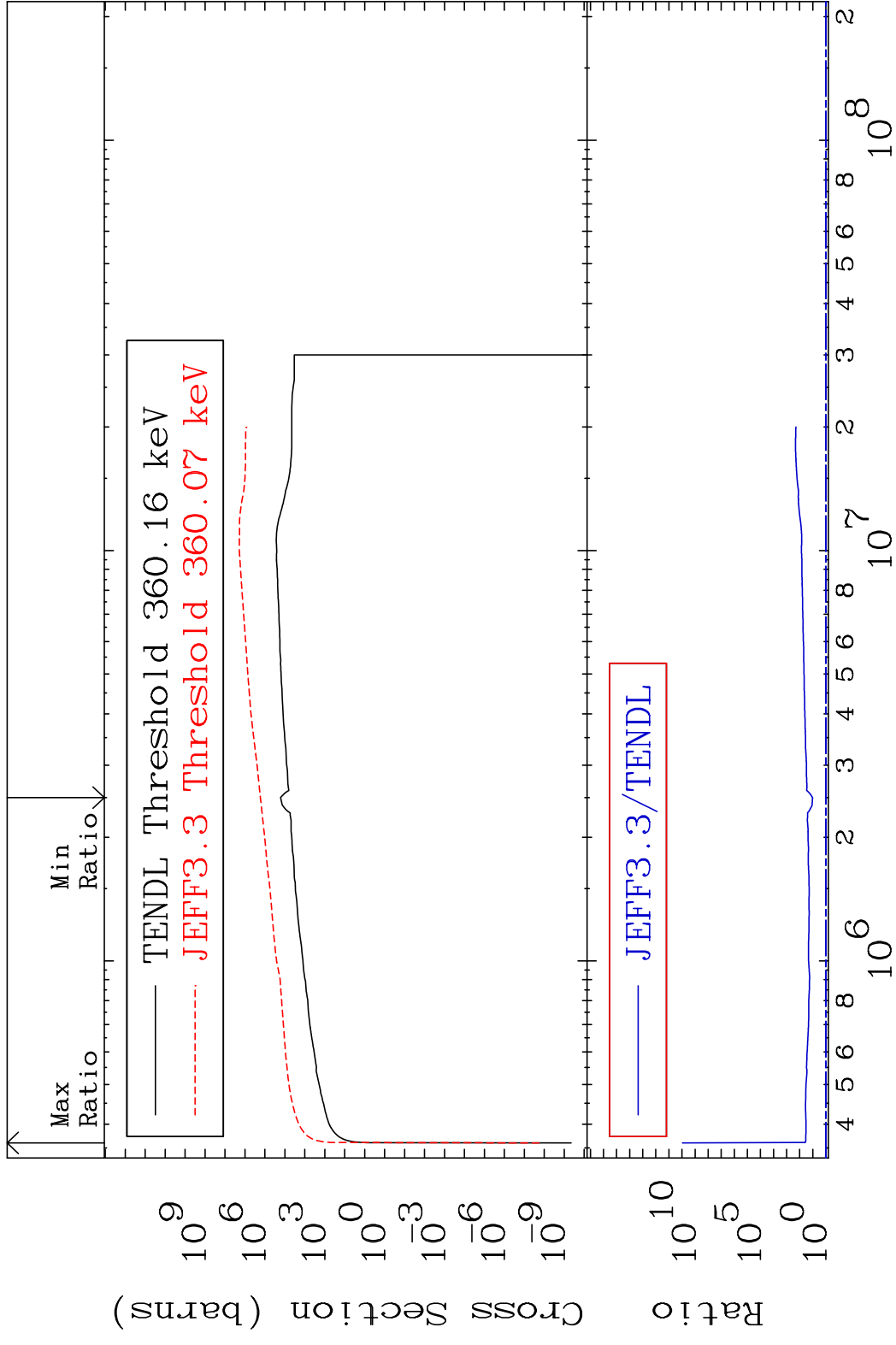
Kerma elastic Cross Section -100.0 To 9999. %
56-Ba-130



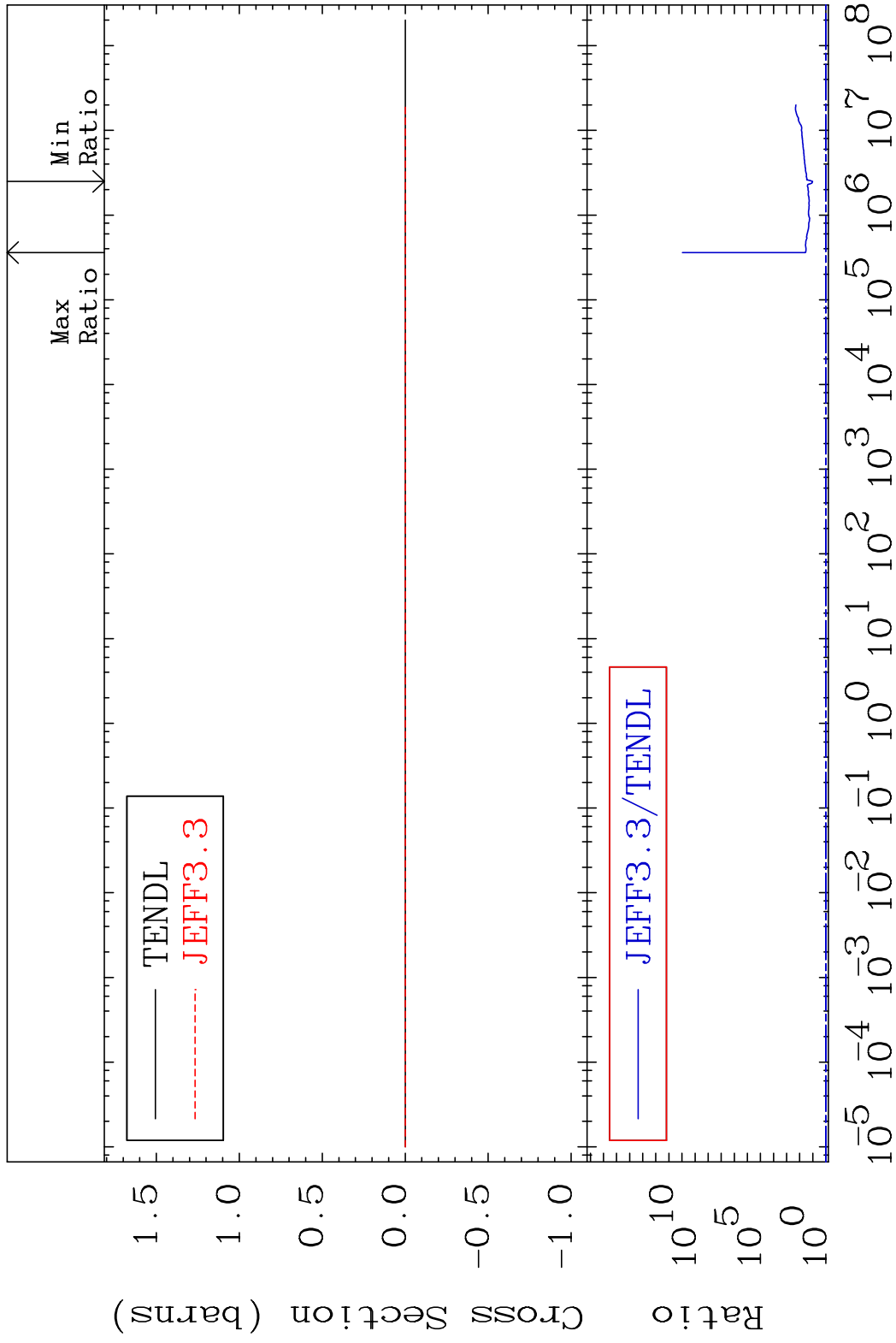
MAT 5625 Kerma non-elastic (all but mt2) 56-Ba-130
 Cross Section -99.28 To 9999. %



MAT 5625 Kerma inelastic (mt51-91) 56-Ba-130
 Cross Section 940.6 To 9999. %



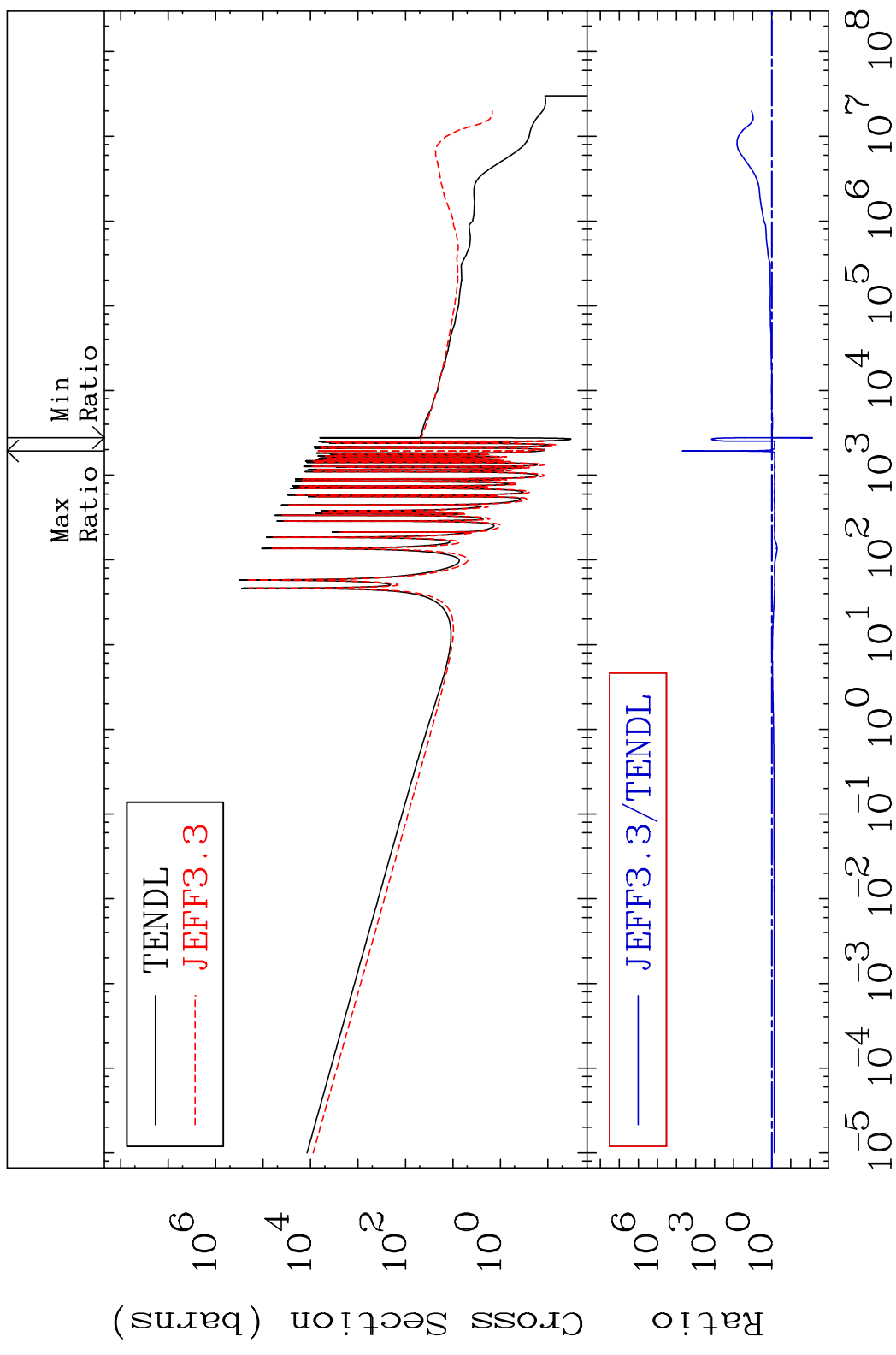
MAT 5625 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-130
 Cross Section 940.6 To 9999. %



MAT 5625

Kerma capture (mt102) 56-Ba-130

Cross Section -99.28 To 9999. %

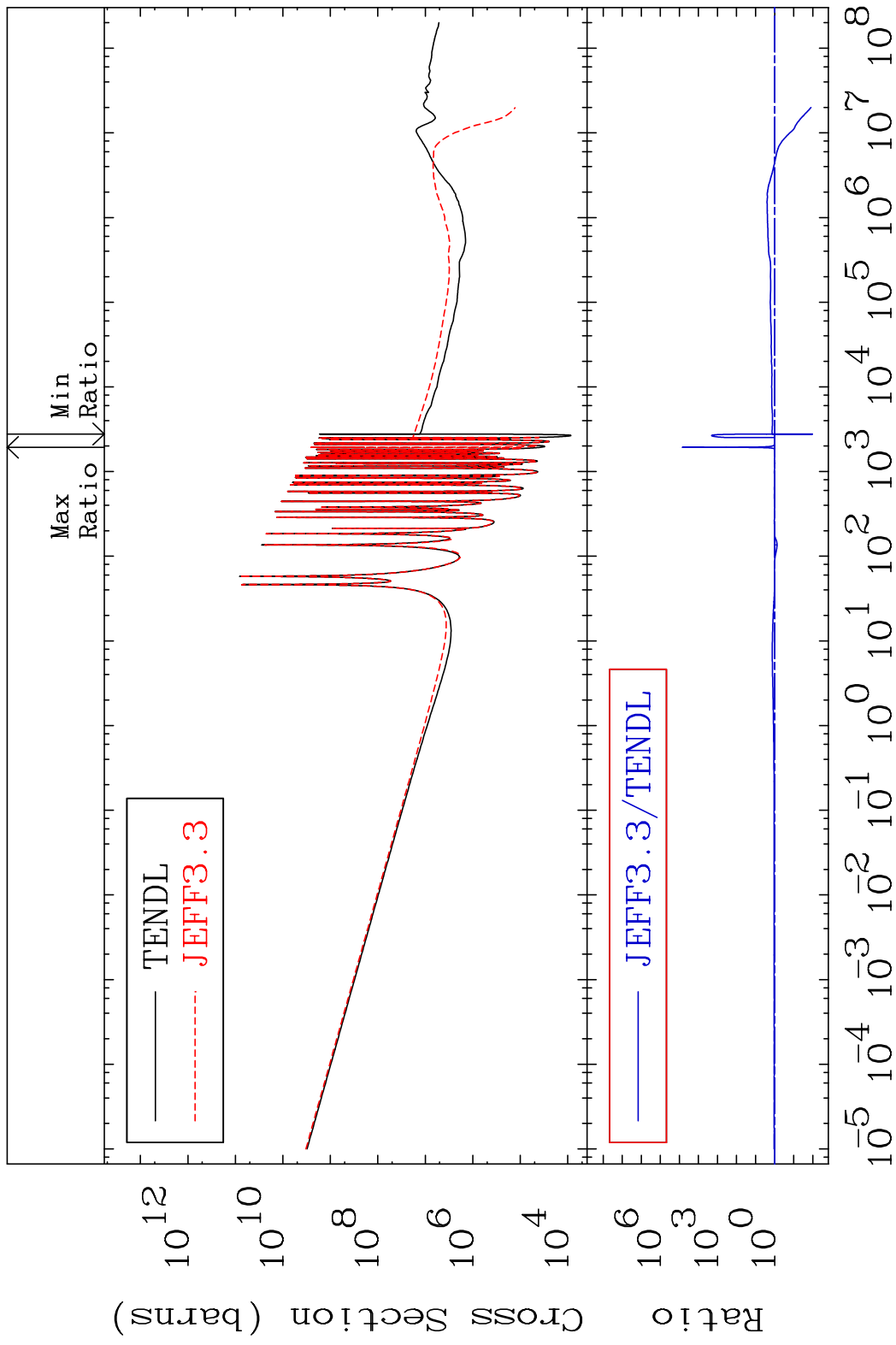


34

Incident Energy (eV)

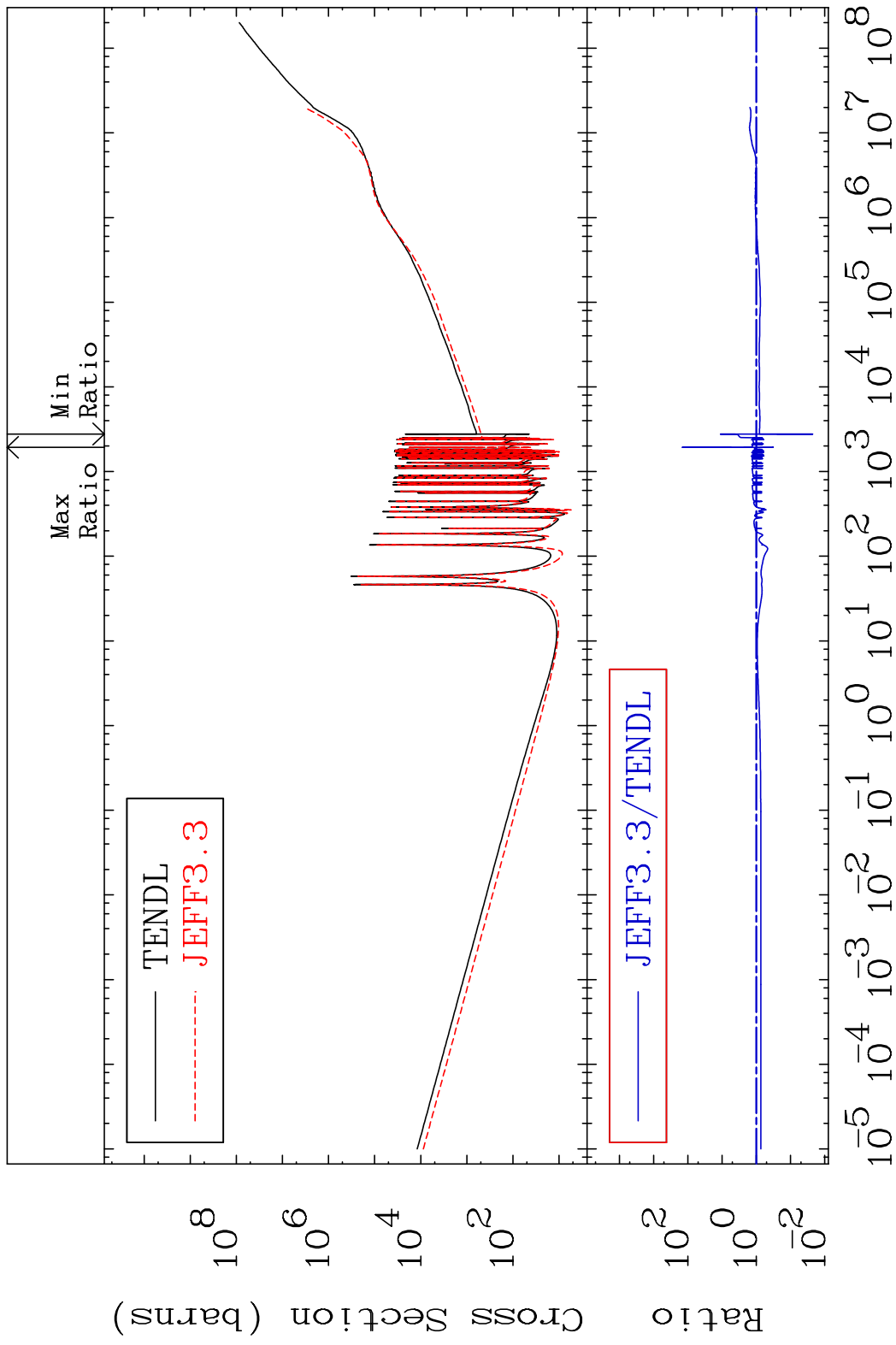
56-Ba-130

MAT 5625 Total photon (eV-barns) 56-Ba-130
 Cross Section -98.98 To 9999. %

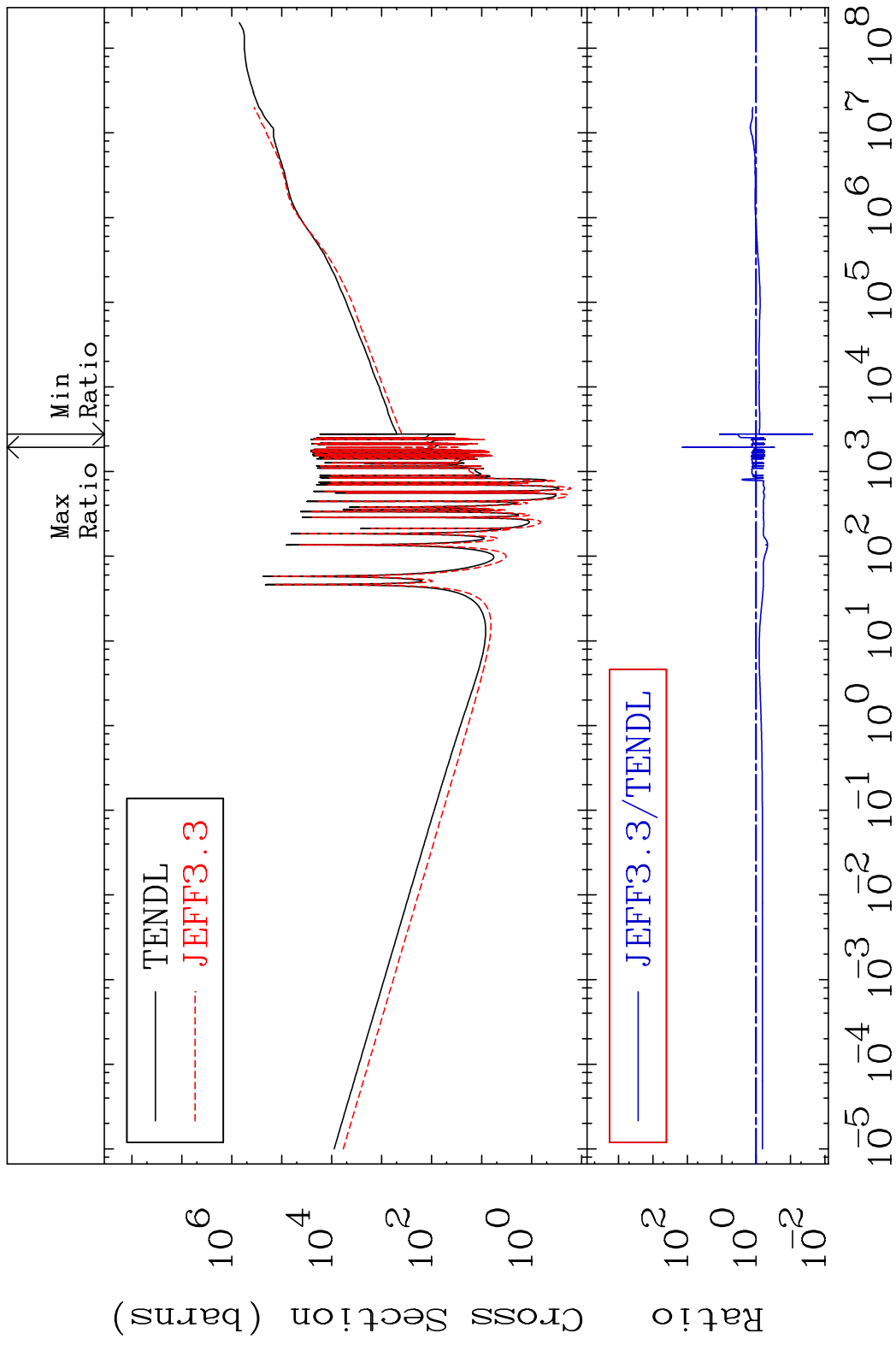


35 Incident Energy (eV) 56-Ba-130

MAT 5625 Total kinematic kerma (high limit) 56-Ba-130
 Cross Section -97.72 To 9999. %



MAT 5625 Dpa total (eV-barns) 56-Ba-130
 Cross Section -97.71 To 9999. %



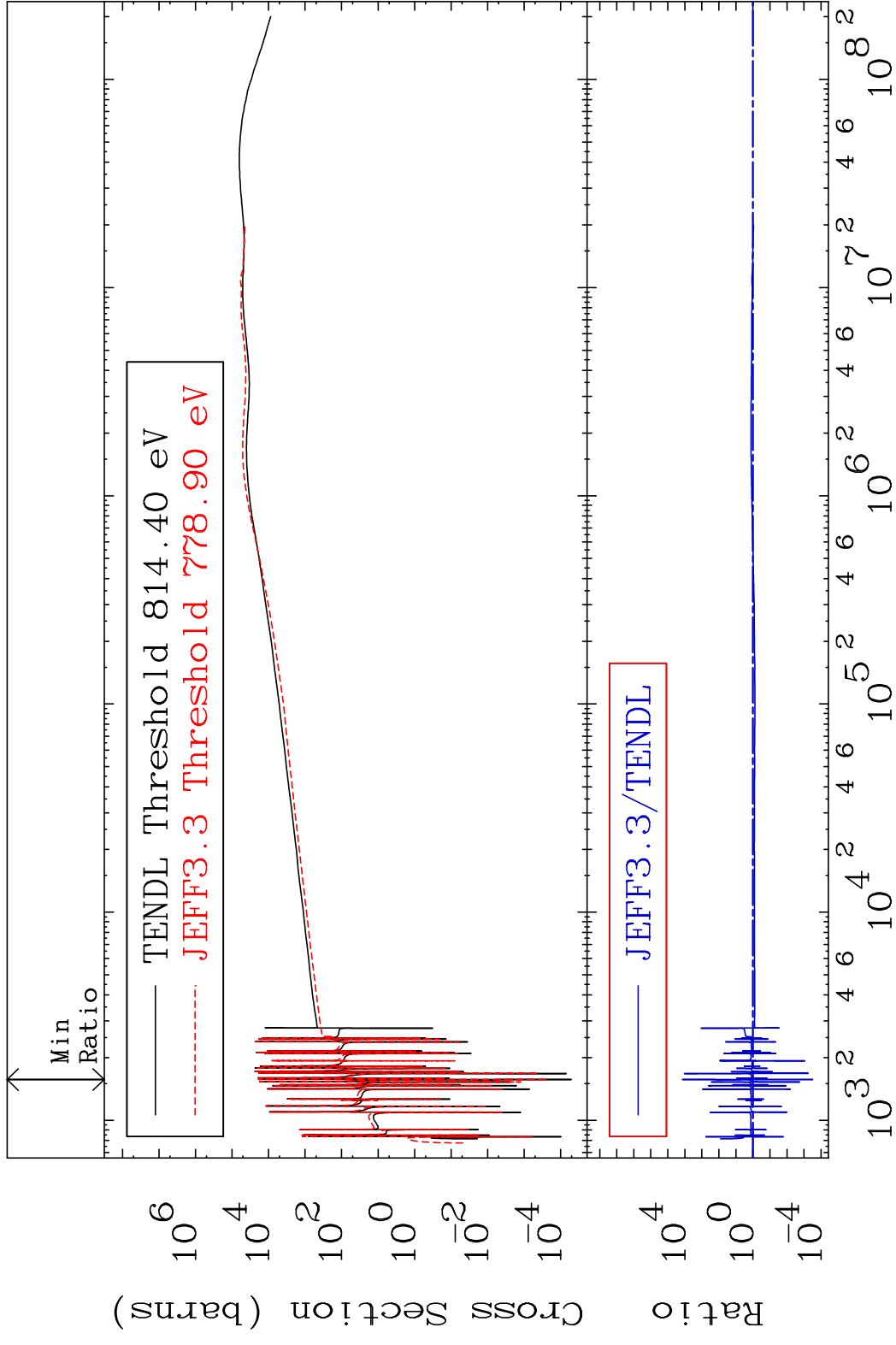
MAT 5625

Dpa elastic (mt2)

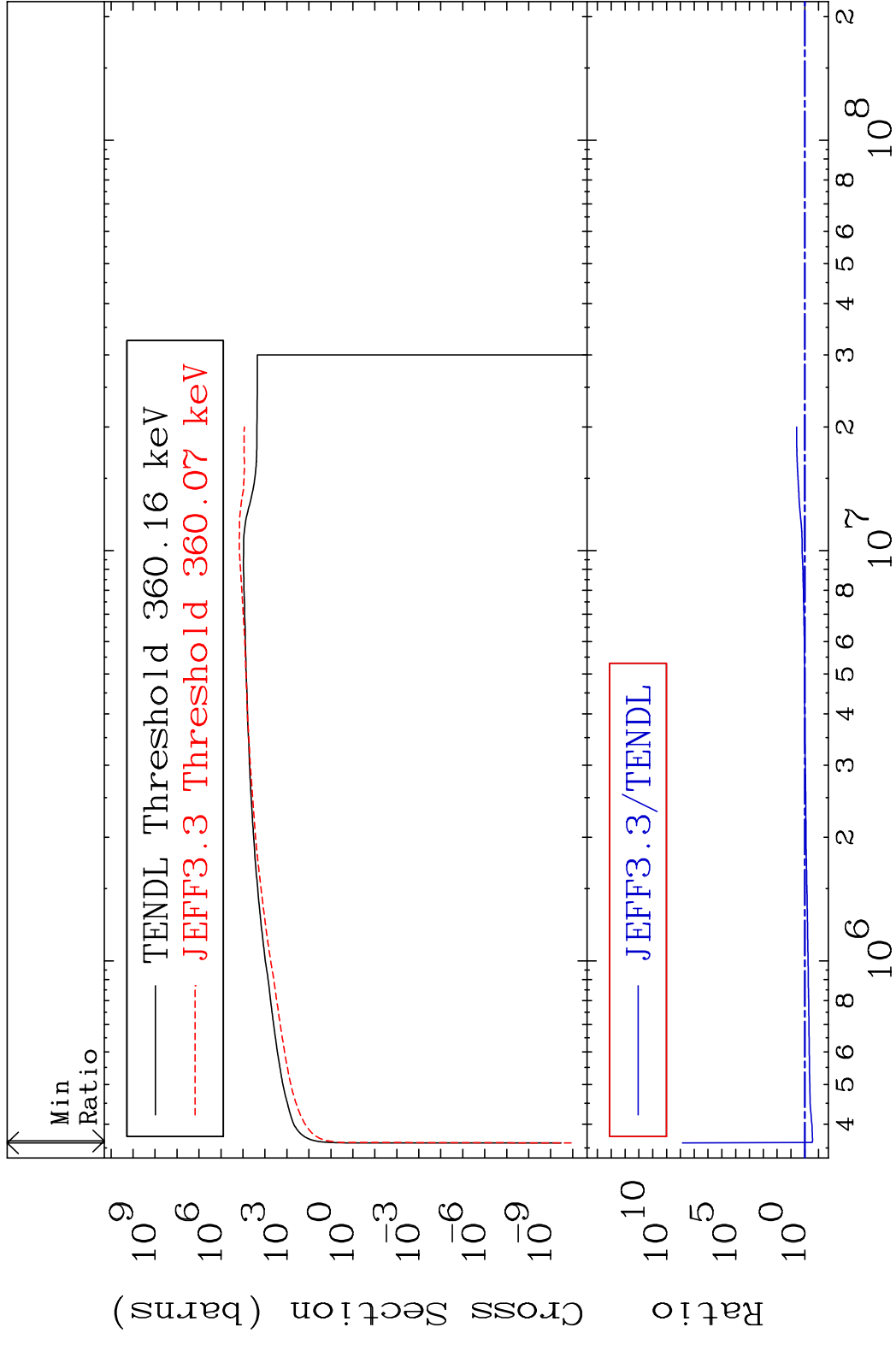
56-Ba-130

Cross Section

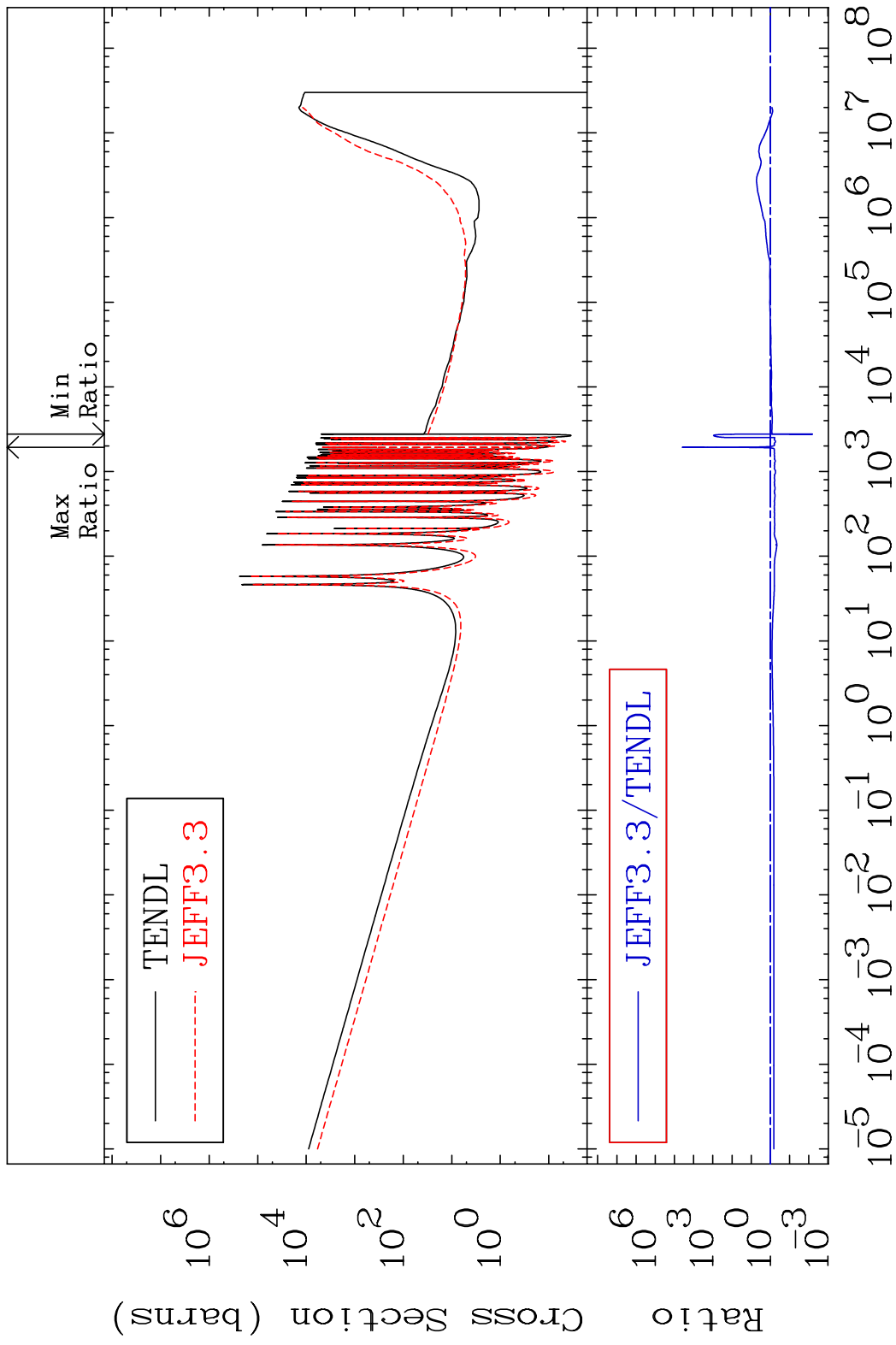
-99.97 To 9999. %



MAT 5625 Dpa inelastic (mt51-91) 56-Ba-130
 Cross Section -72.69 To 9999. %



MAT 5625 Dpa disappearance (mt102 -120) 56-Ba-130
 Cross Section -99.37 To 9999. %



40 Incident Energy (eV) 56-Ba-130