

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

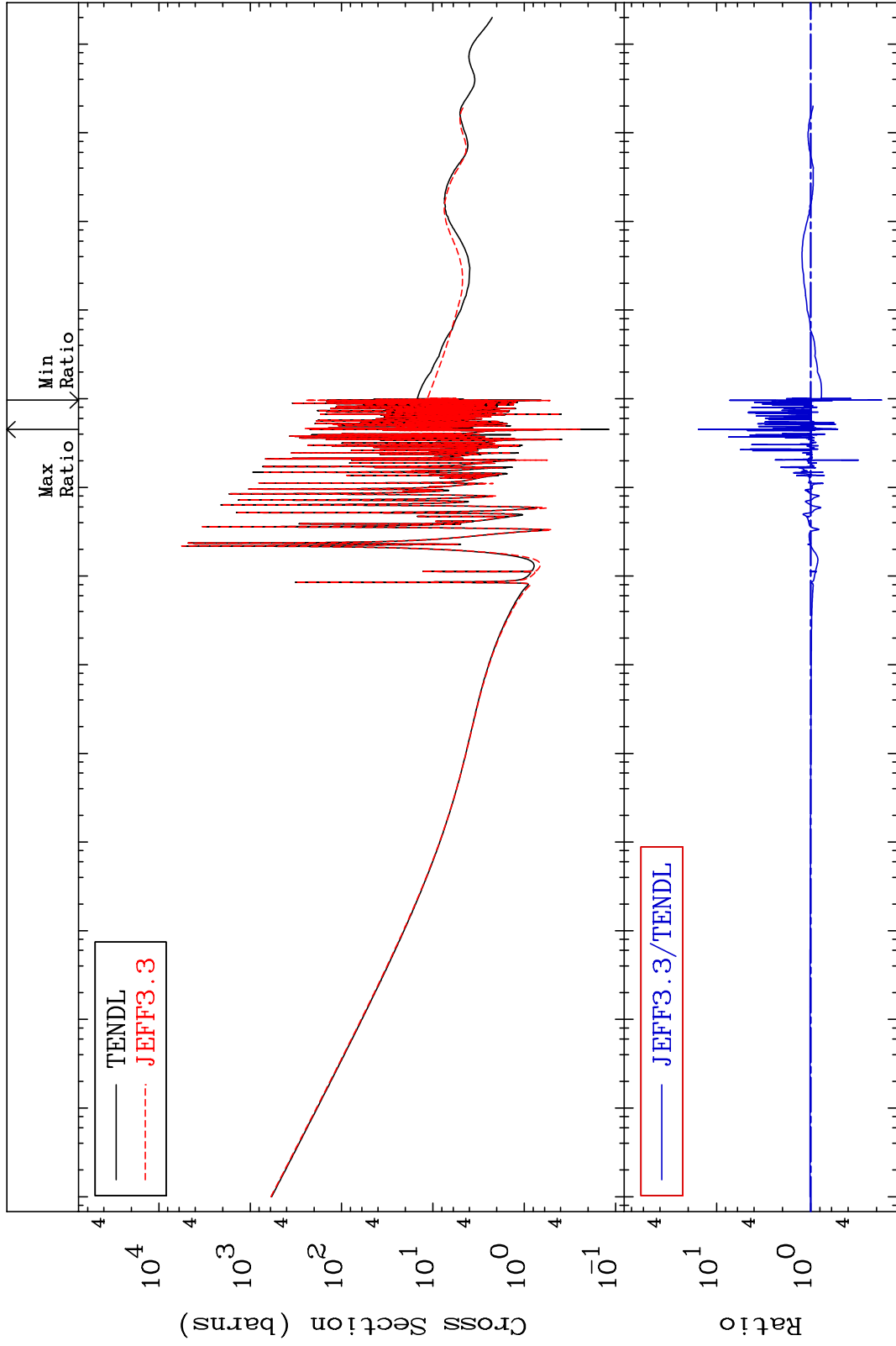
MAT 5925

Total

59-Pr-141

Cross Section

-82.29 To 1462. %



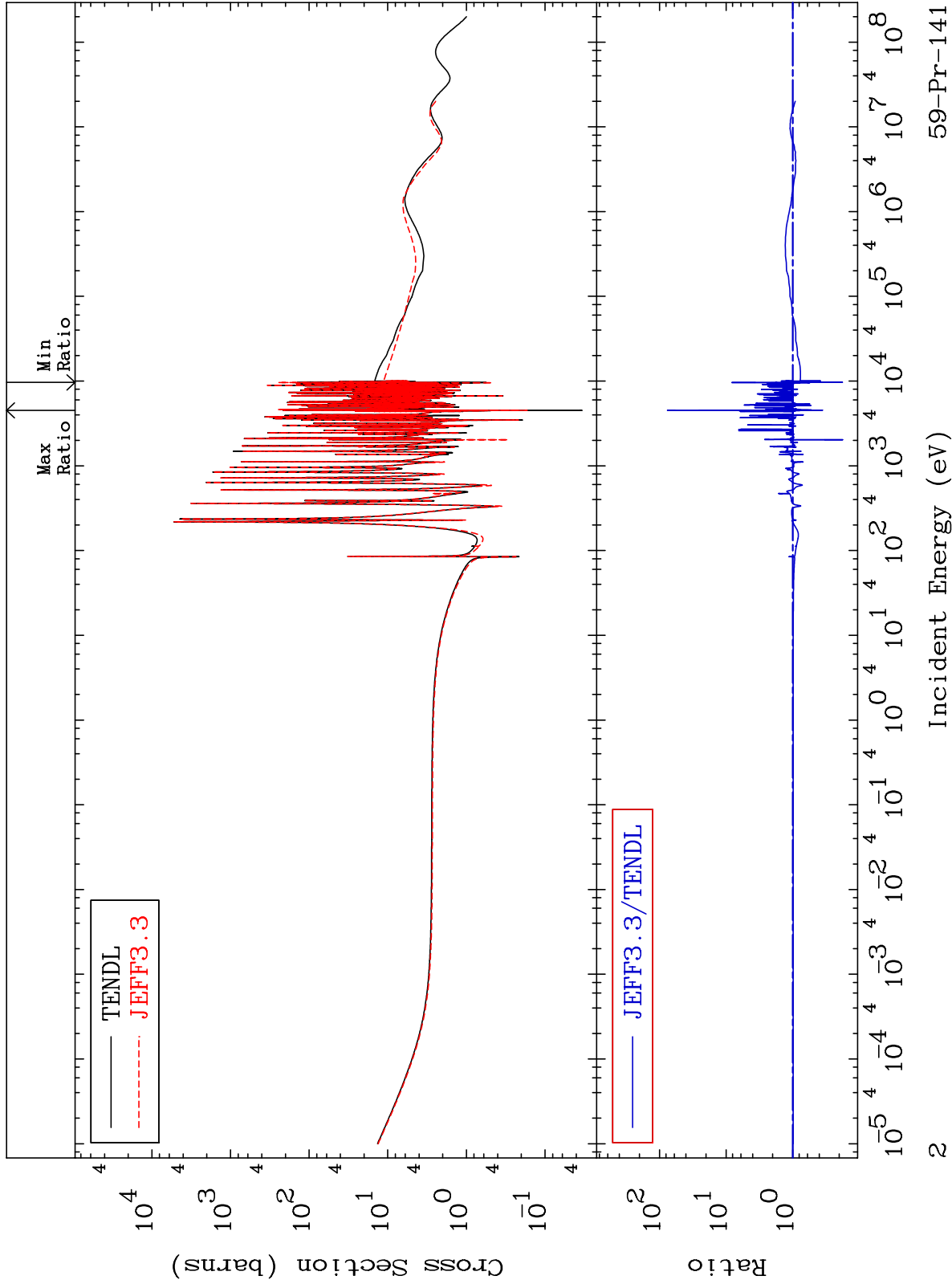
Incident Energy (eV)

59-Pr-141

MAT 5925

Elastic
Cross Section

59-Pr-141
-82.23 To 7466. %



59-Pr-141

Incident Energy (eV)

2

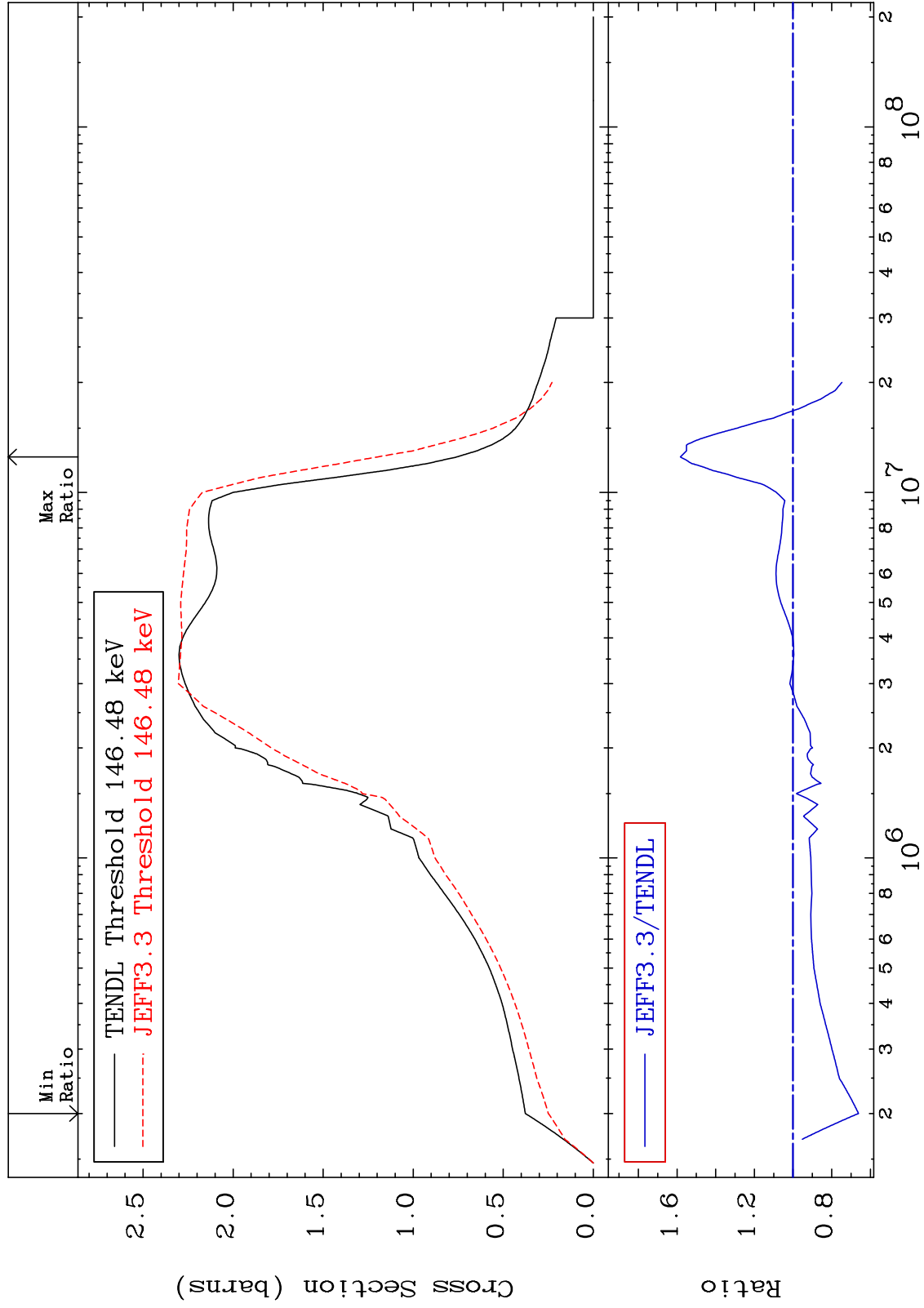
MAT 5925

Inelastic

59-Pr-141

Cross Section

-33.88 To 58.24 %



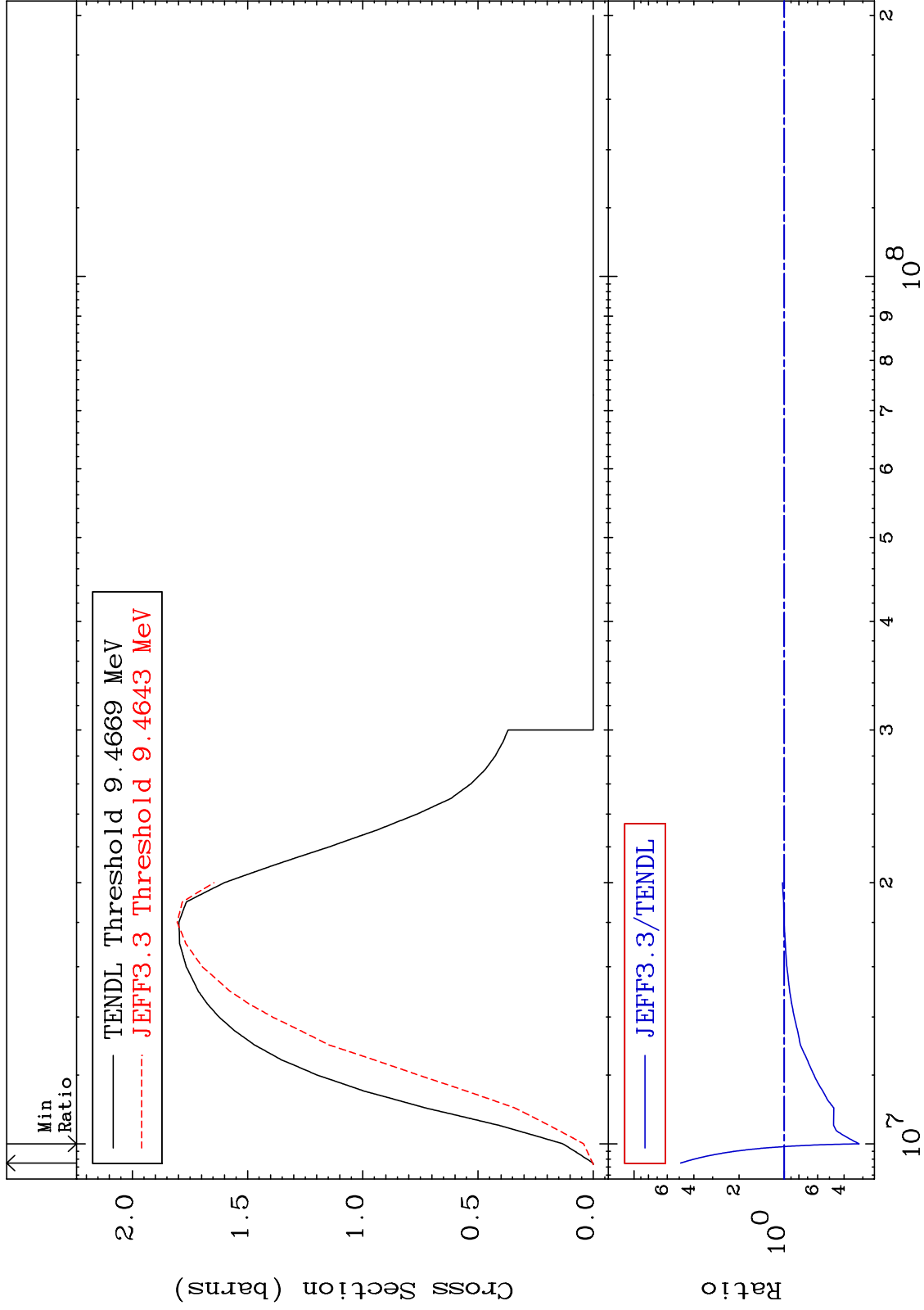
MAT 5925

(n,2n)

59-Pr-141

Cross Section

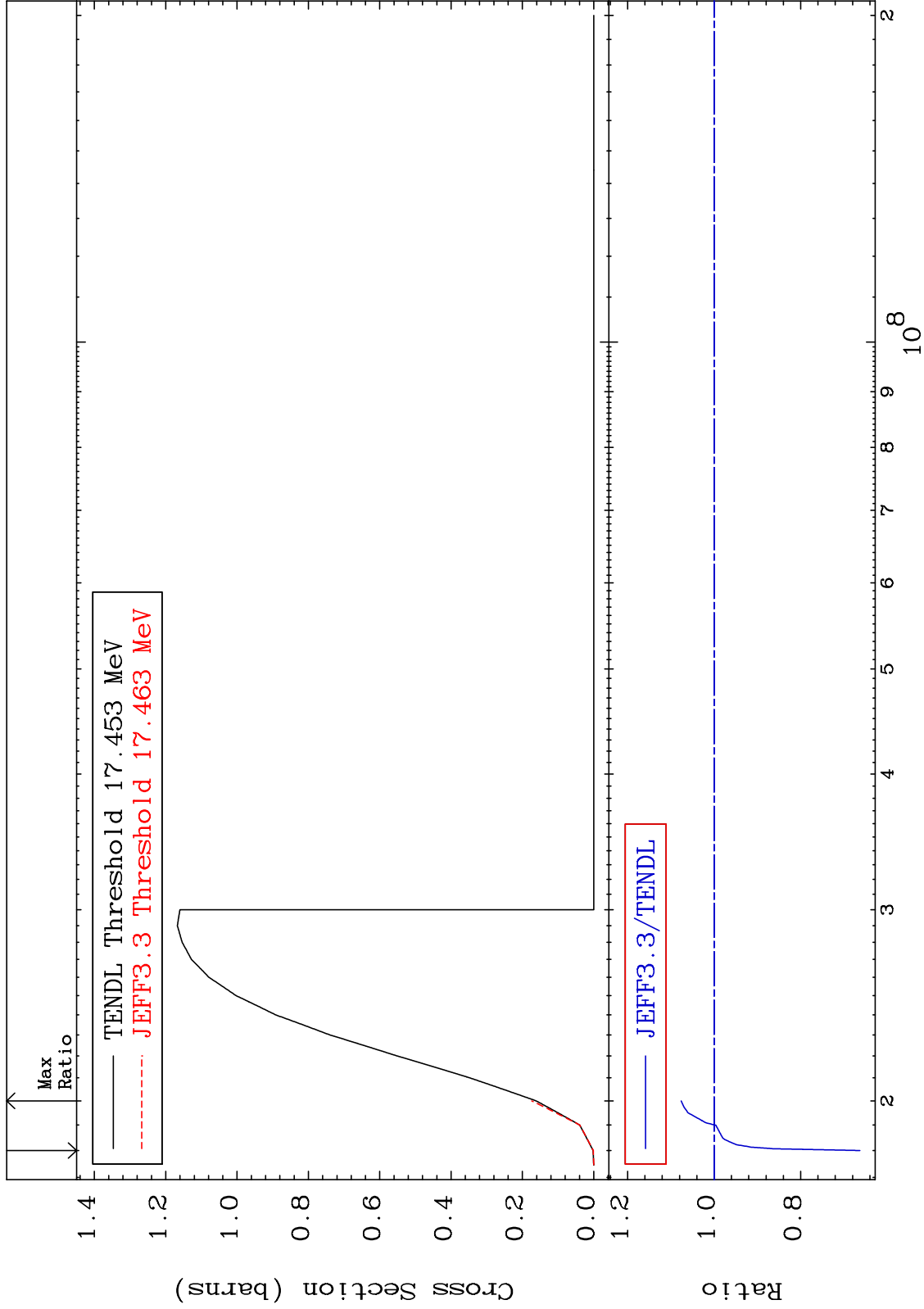
-68.28 To 389.2 %

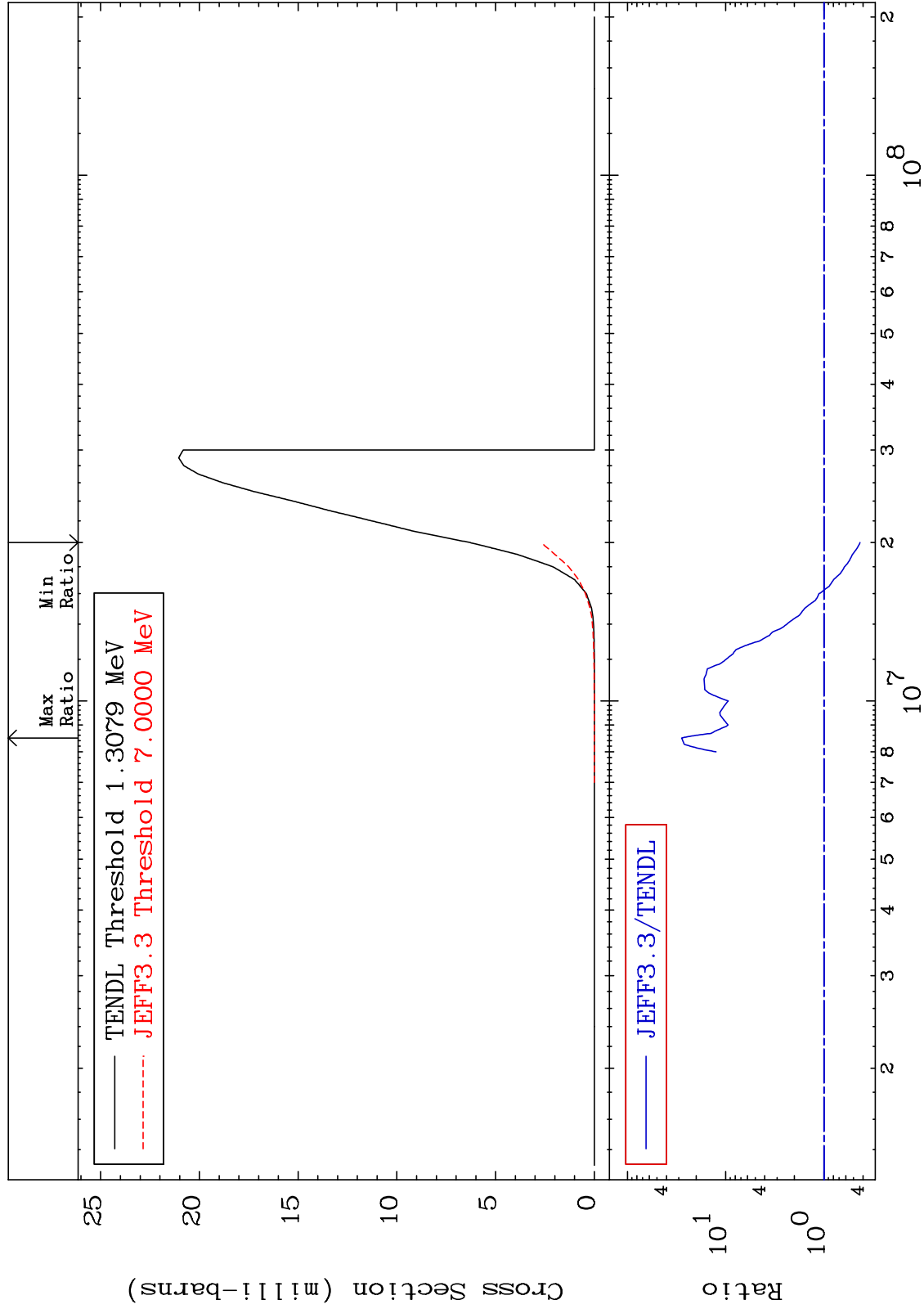


4

Incident Energy (eV)

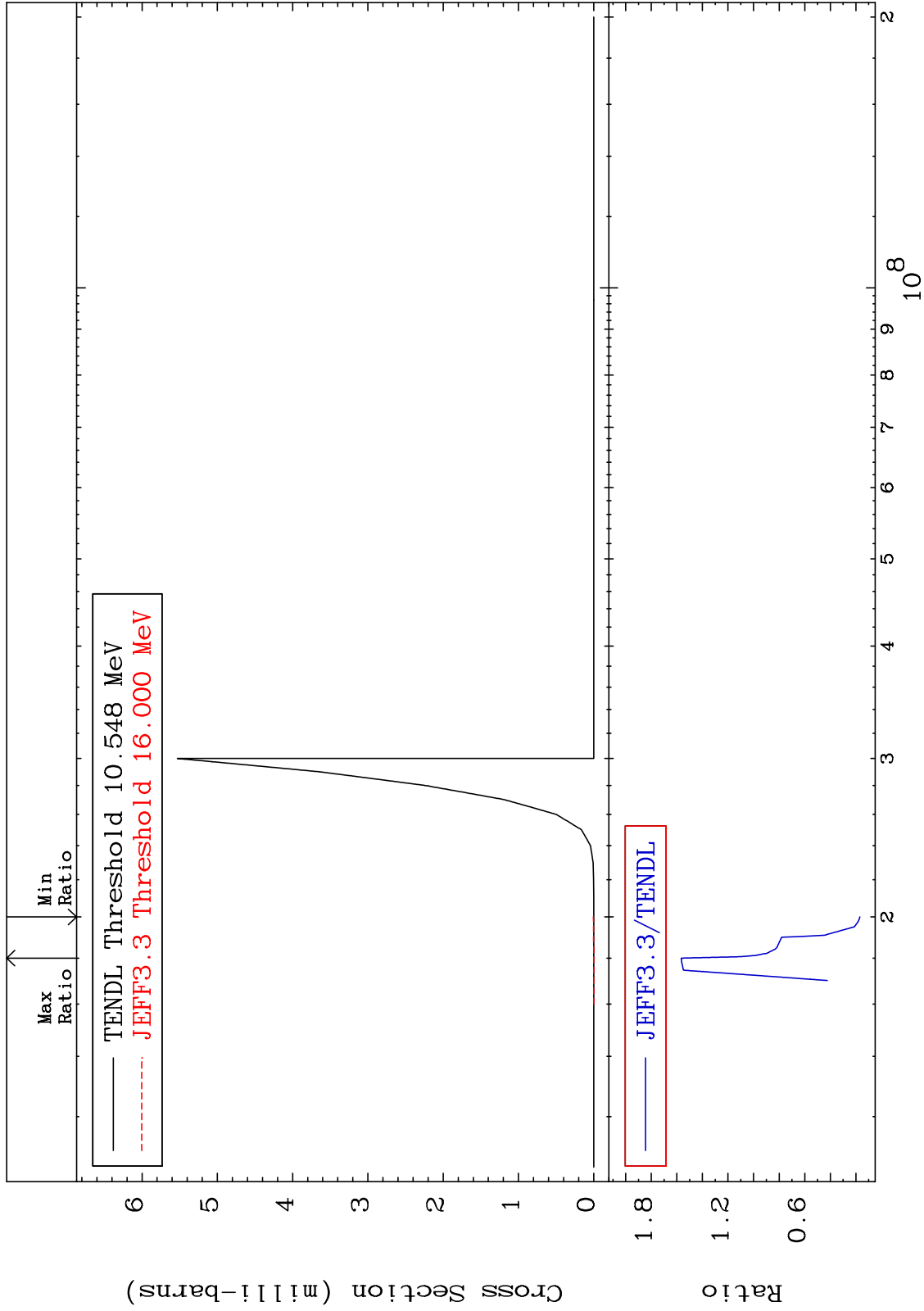
59-Pr-141

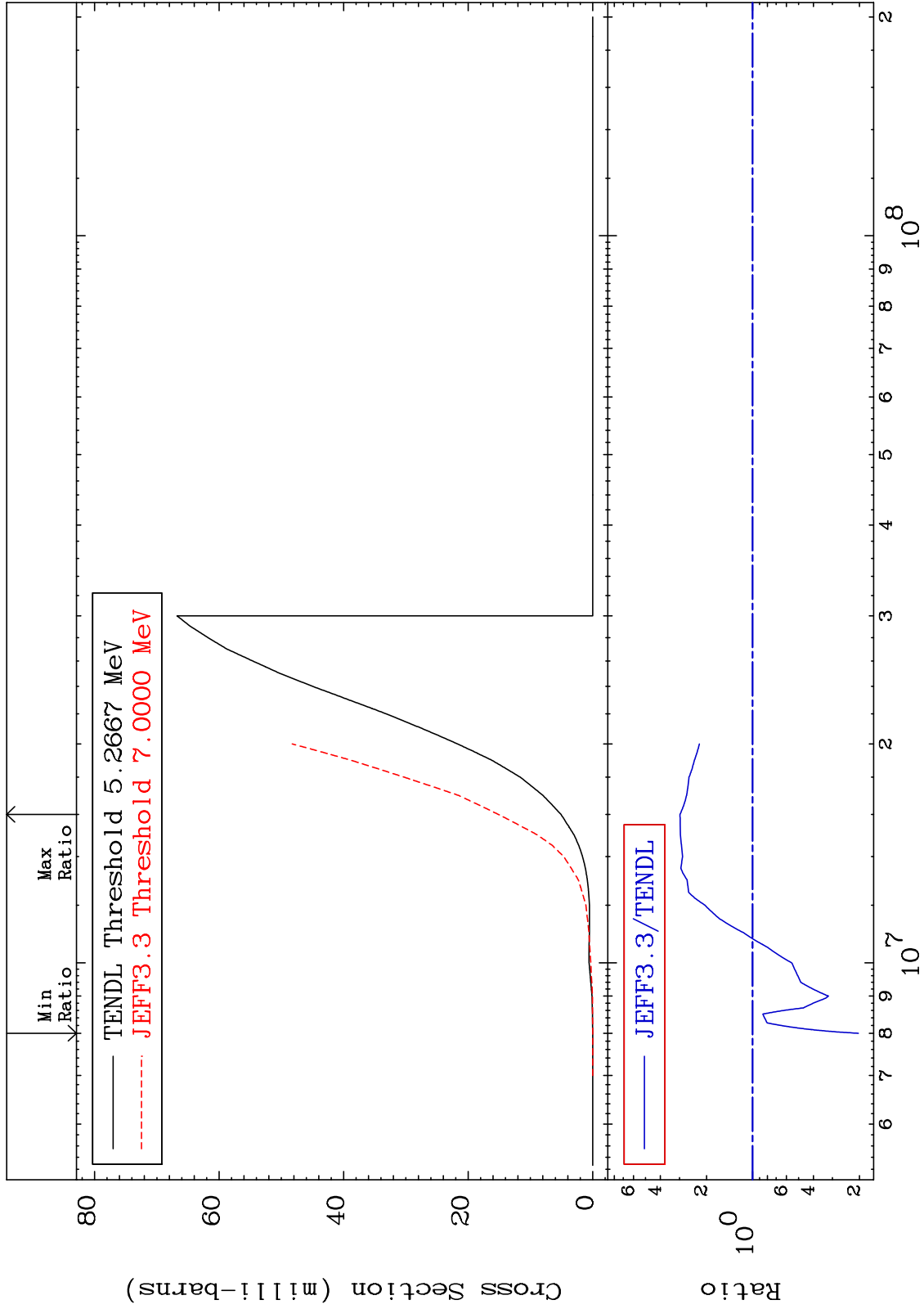




Cross Section

9999. To 9999. %

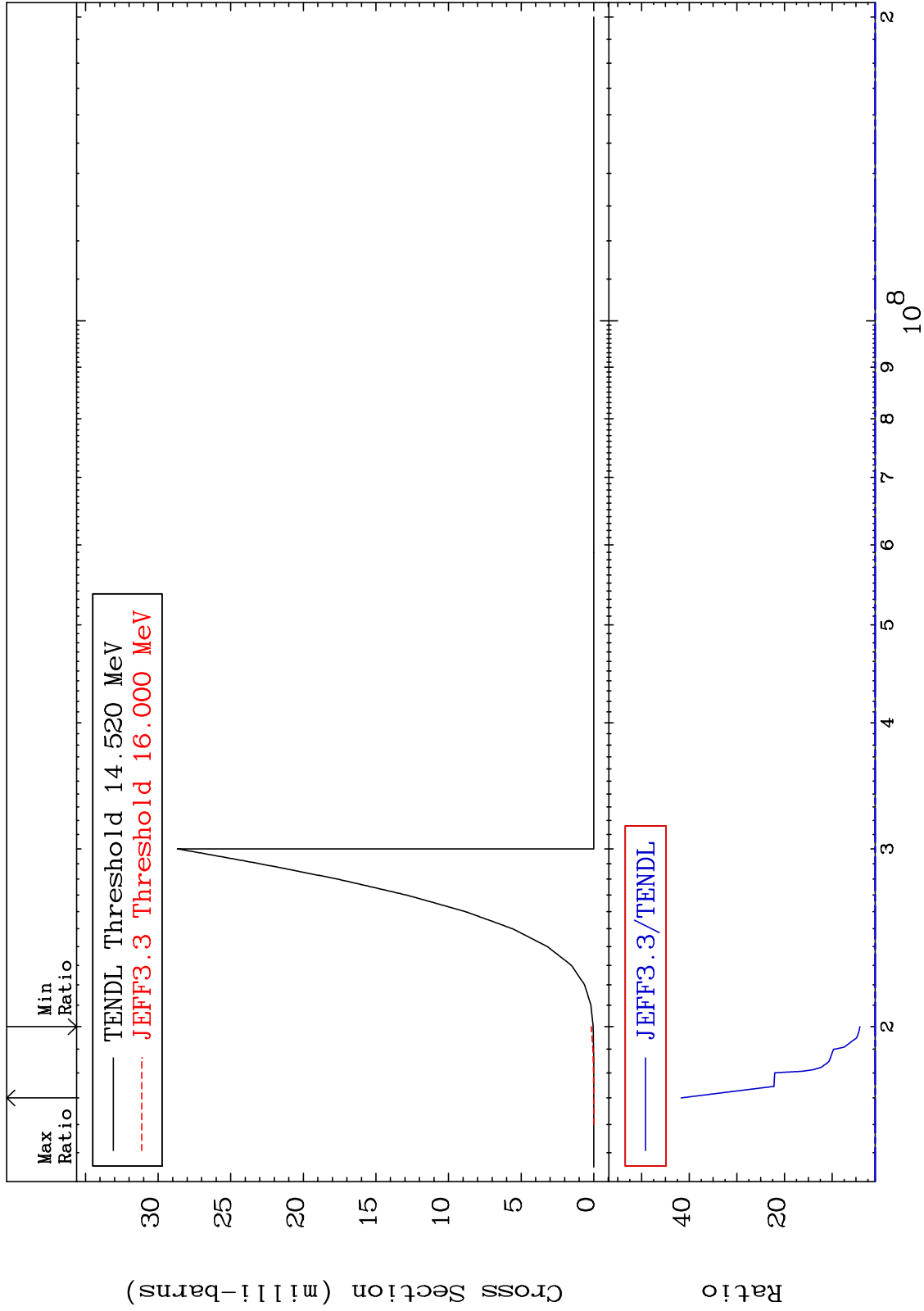




MAT 5925

(n,2n) p
Cross Section

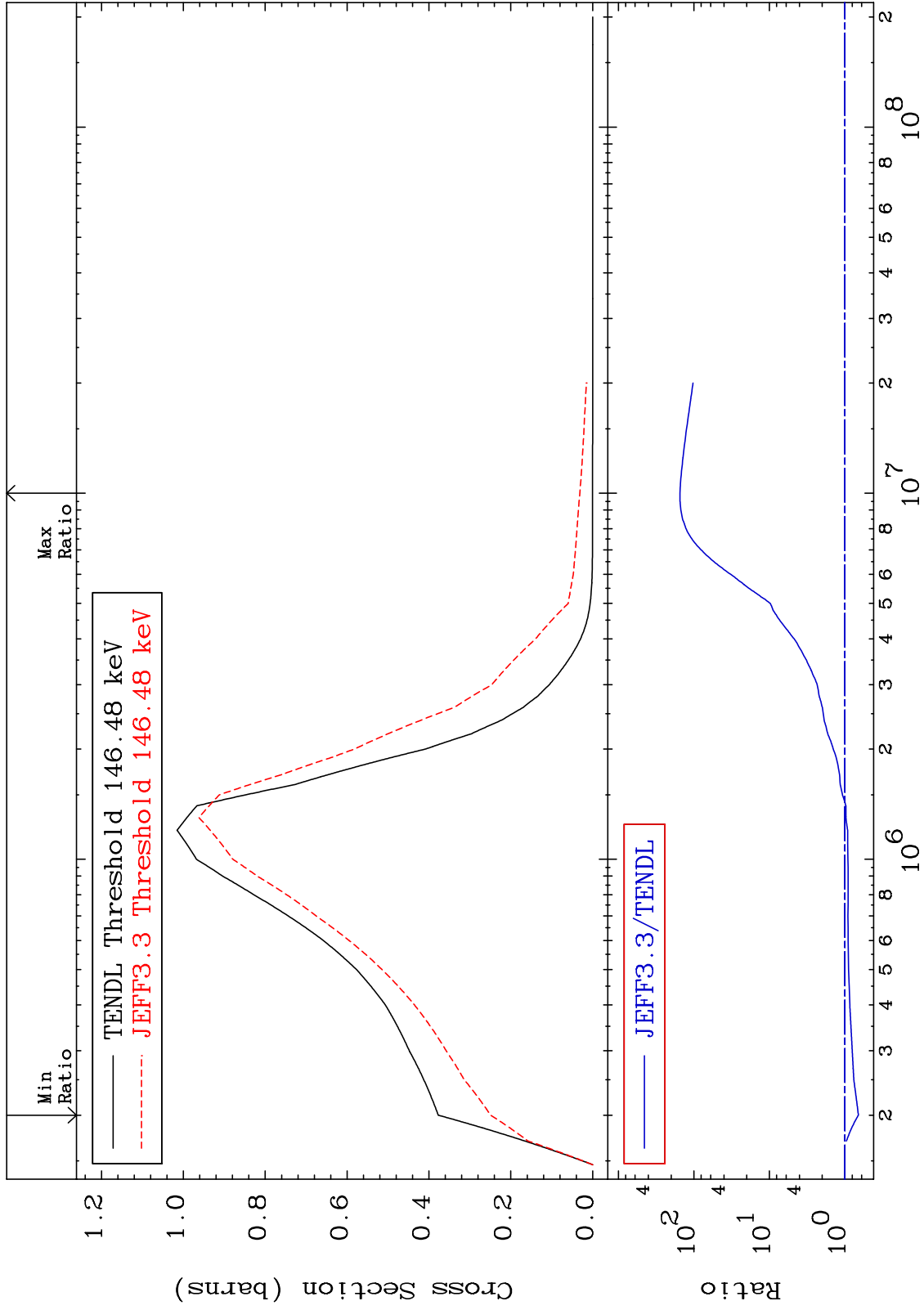
59-Pr-141
317.8 To 4070. %



MAT 5925

MT= 51 (n,n') Level
Cross Section

59-Pr-141
-33.88 To 9999. %



10

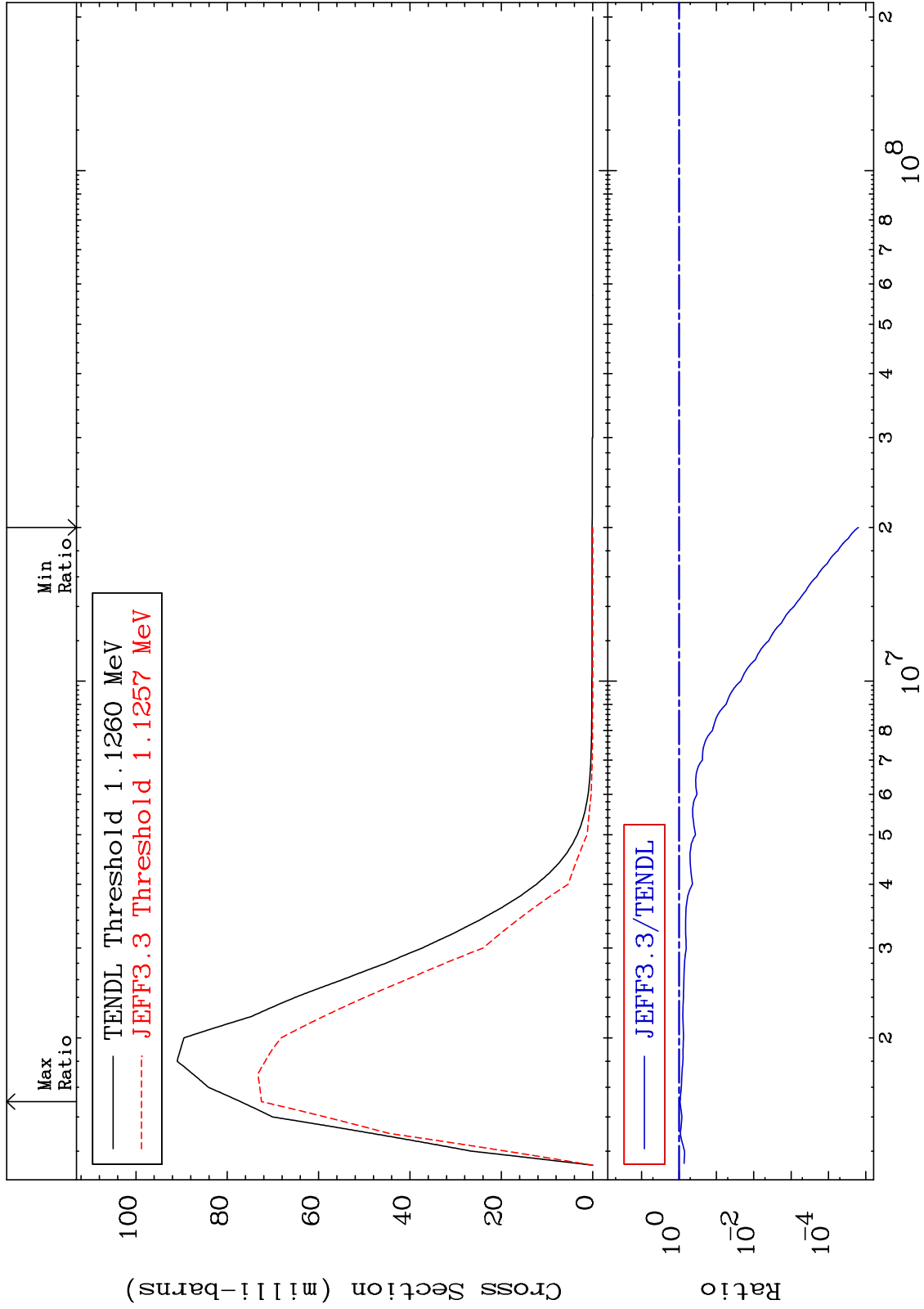
Incident Energy (eV)

59-Pr-141

MAT 5925

MT= 52 (n, n') Level
Cross Section

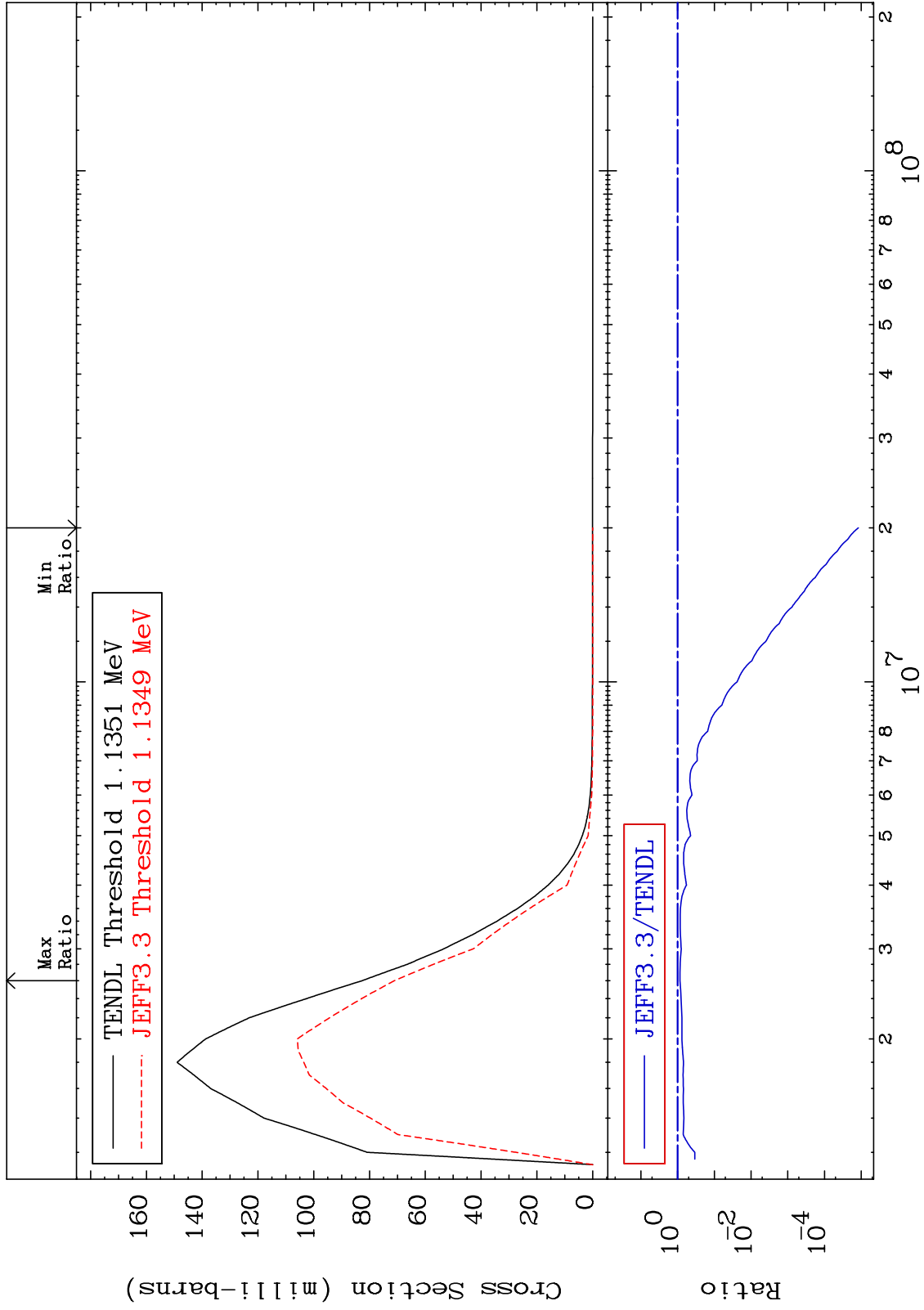
59-Pr-141
-100.0 To -5.987%

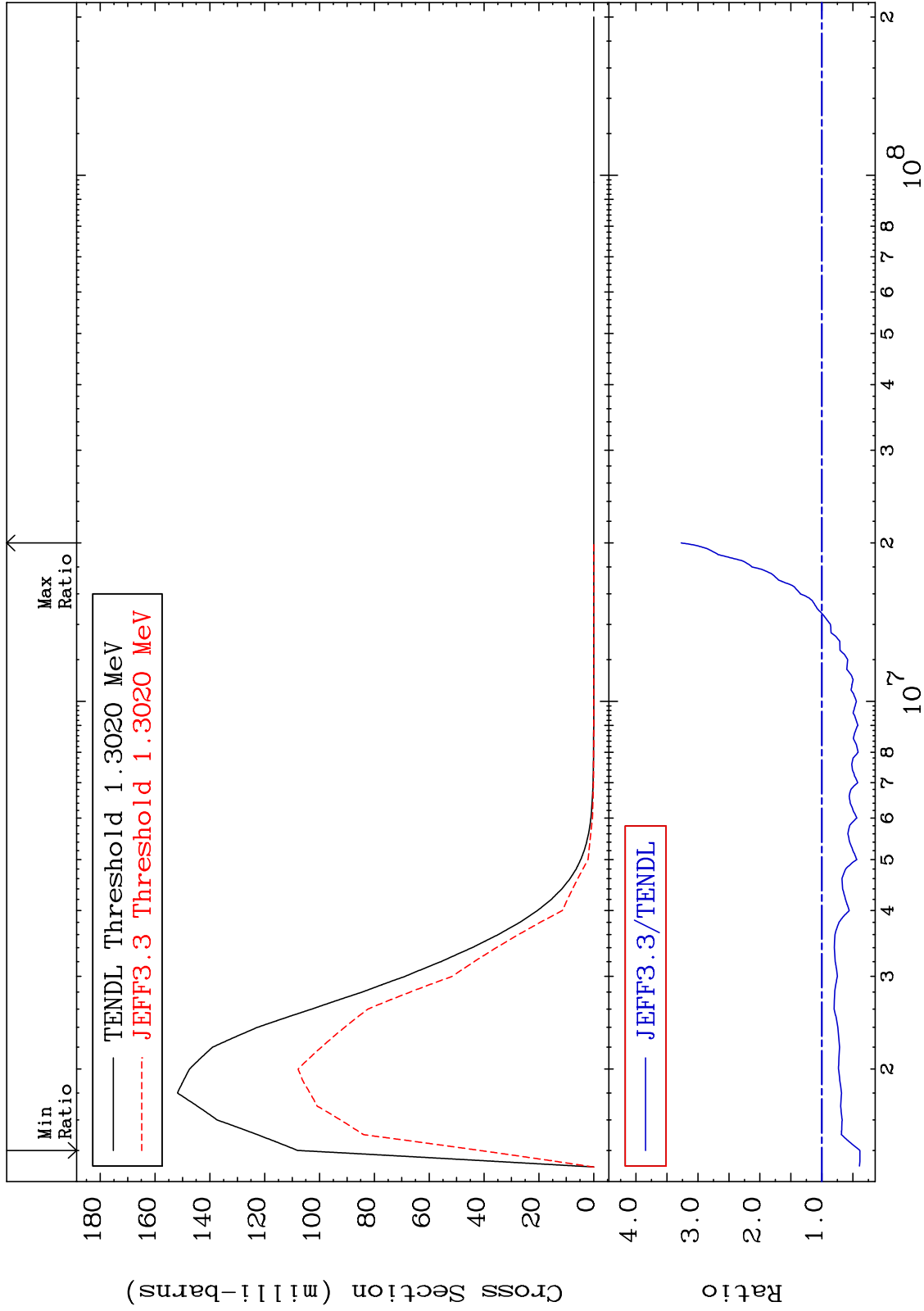


MAT 5925

MT= 53 (n, n') Level
Cross Section

59-Pr-141
-100.0 To -13.95%

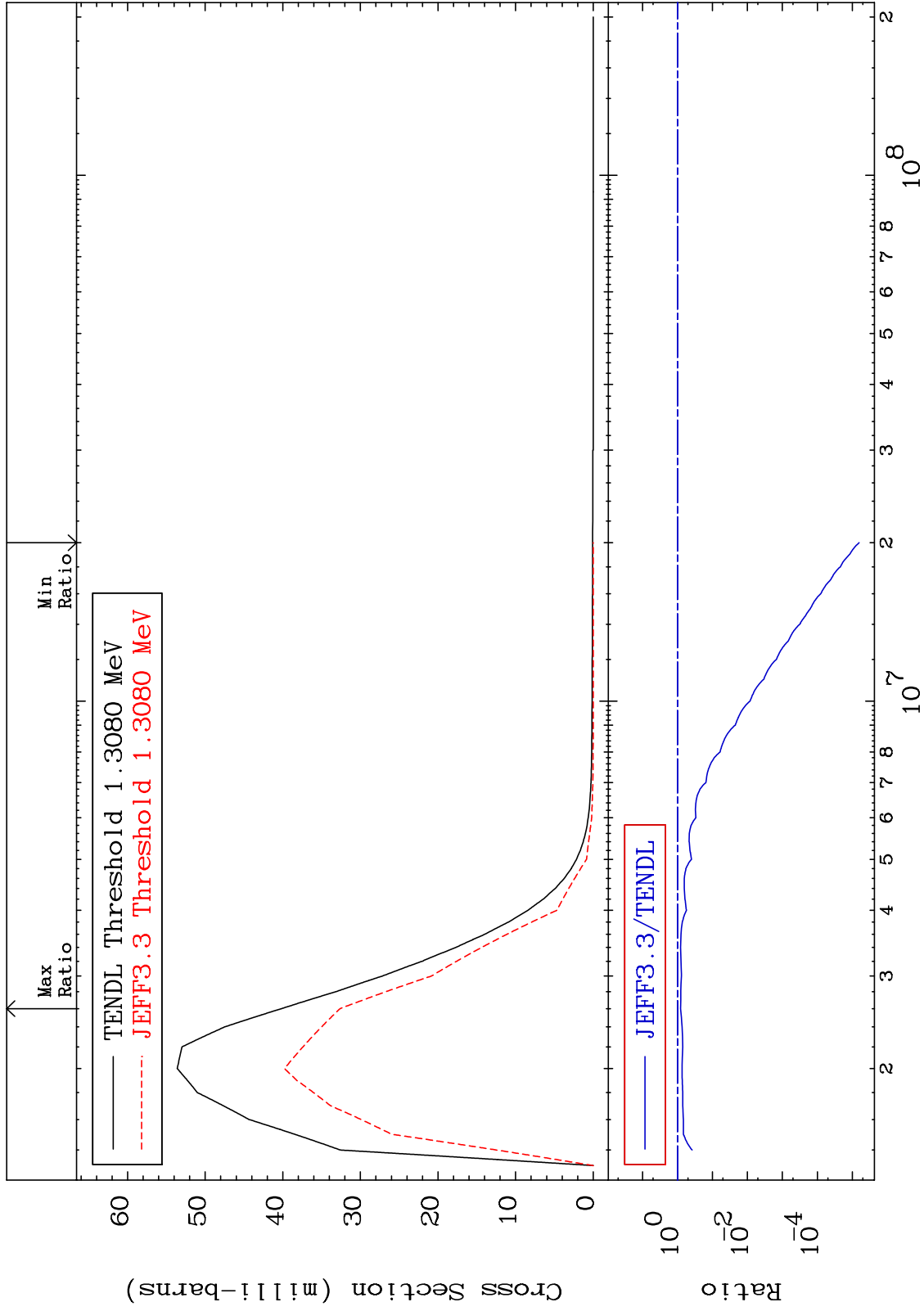




MAT 5925

MT= 55 (n,n') Level
Cross Section

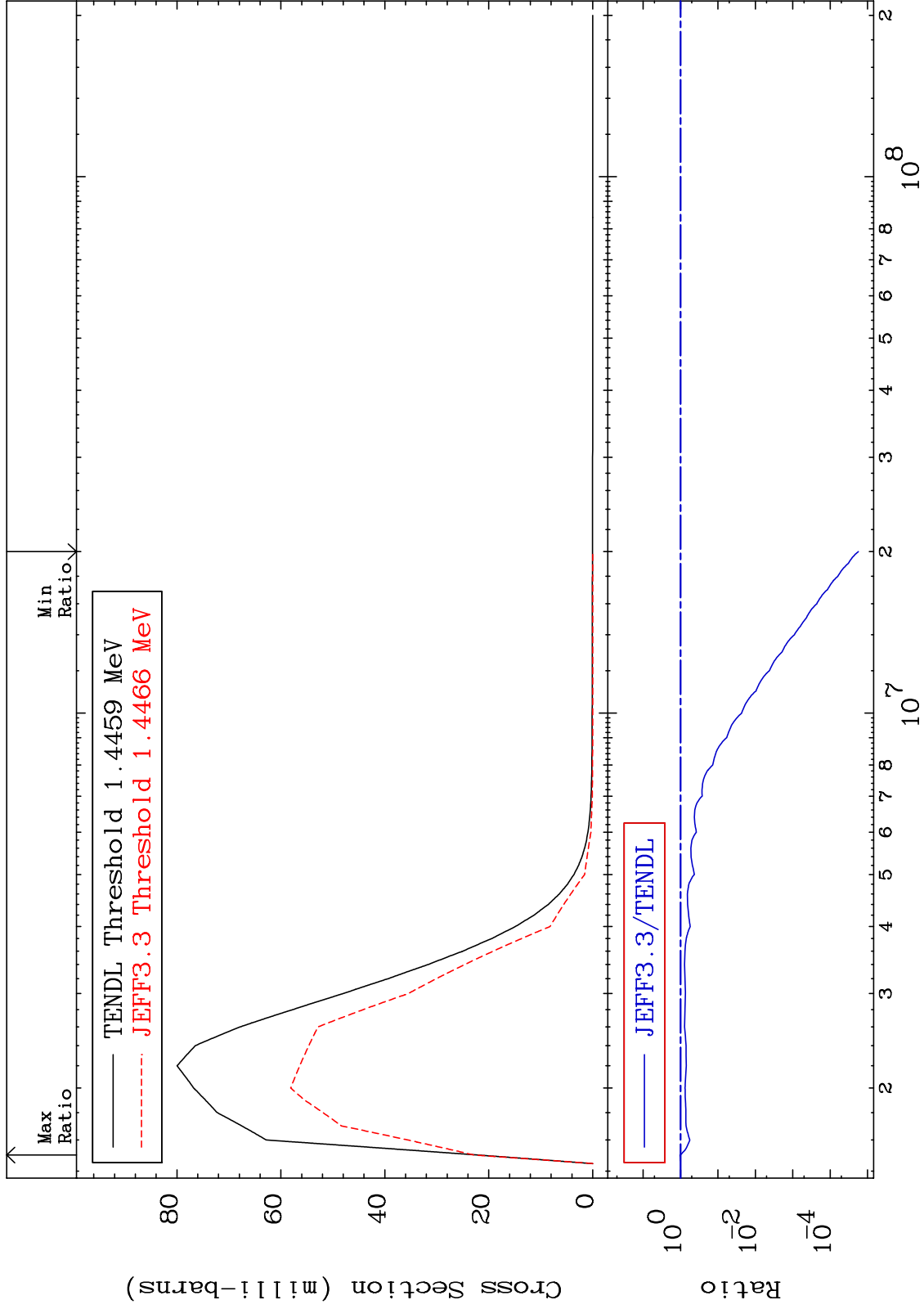
59-Pr-141
-100.0 To -18.78%



MAT 5925

MT= 56 (n,n') Level
Cross Section

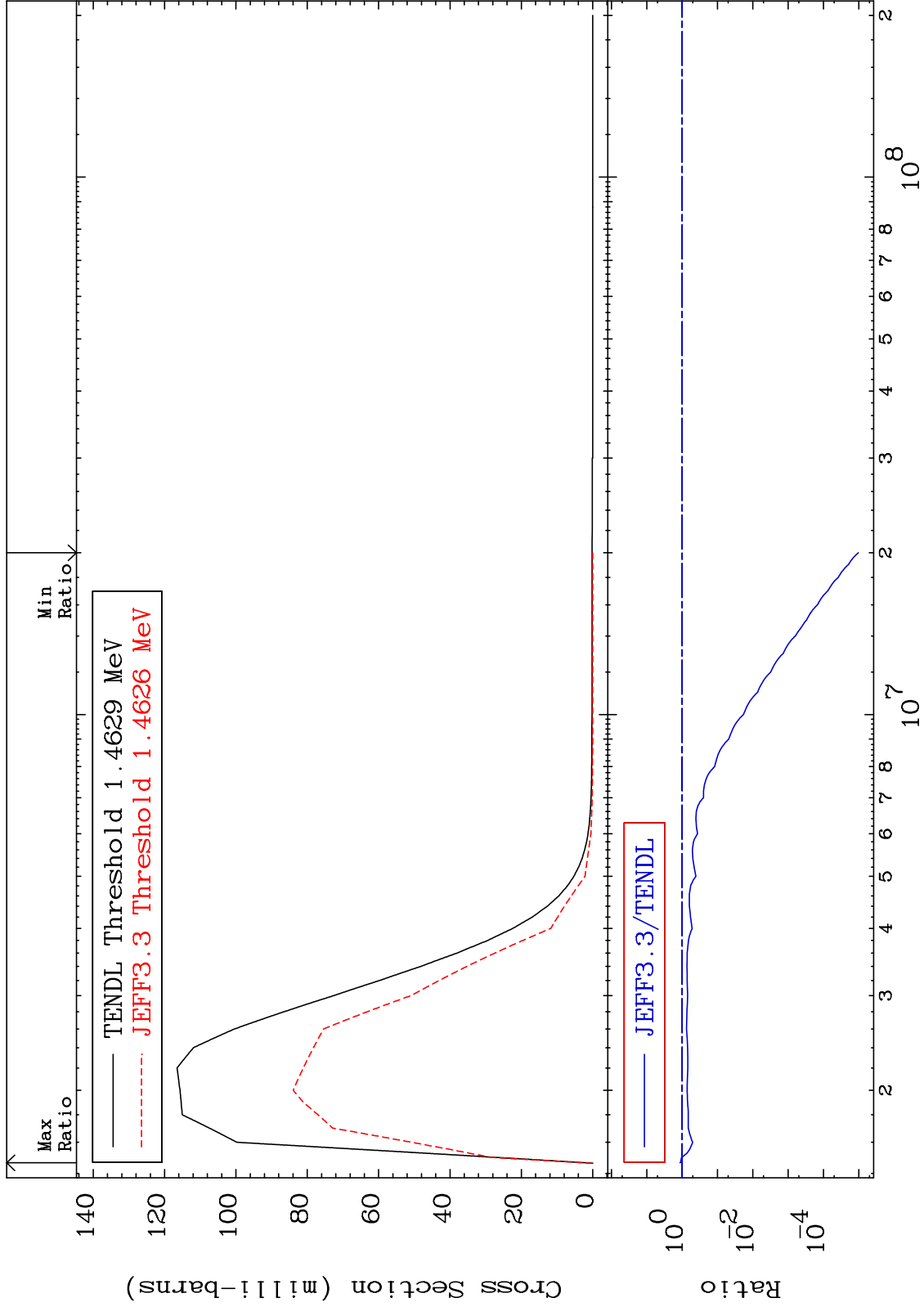
59-Pr-141
-100.0 To 3.236 %



MAT 5925

MT= 57 (n, n') Level
Cross Section

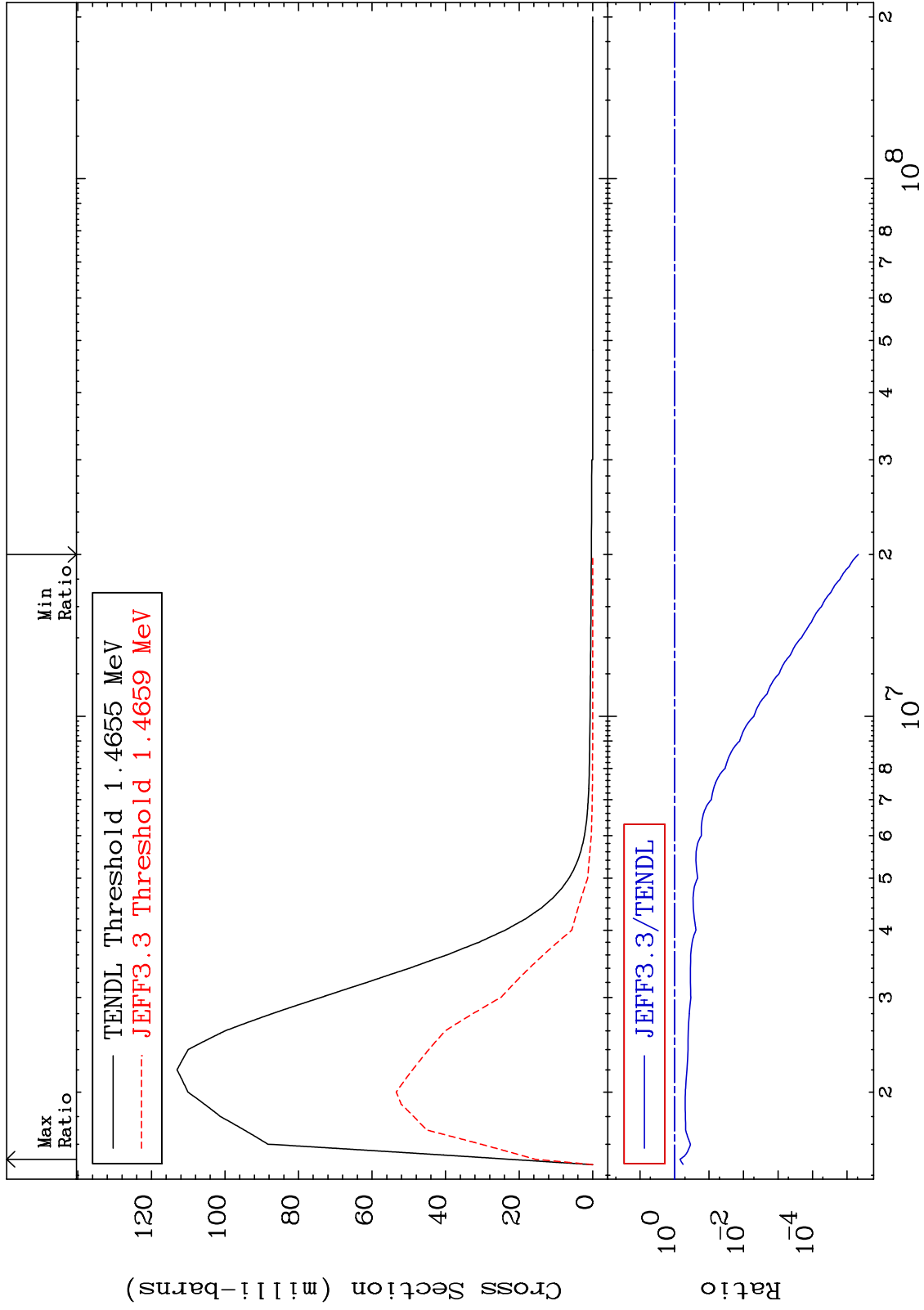
59-Pr-141
-100.0 To 15.14 %

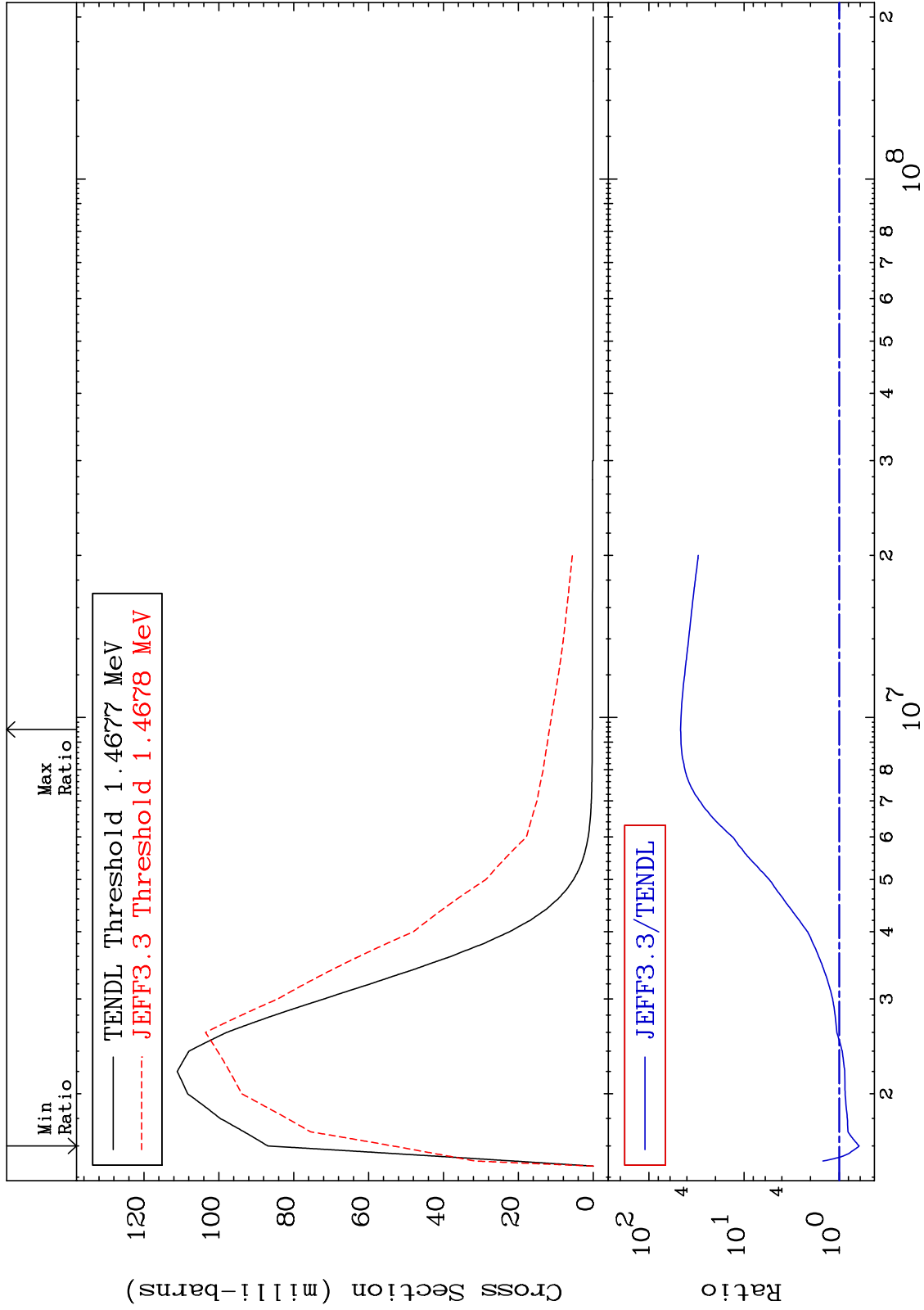


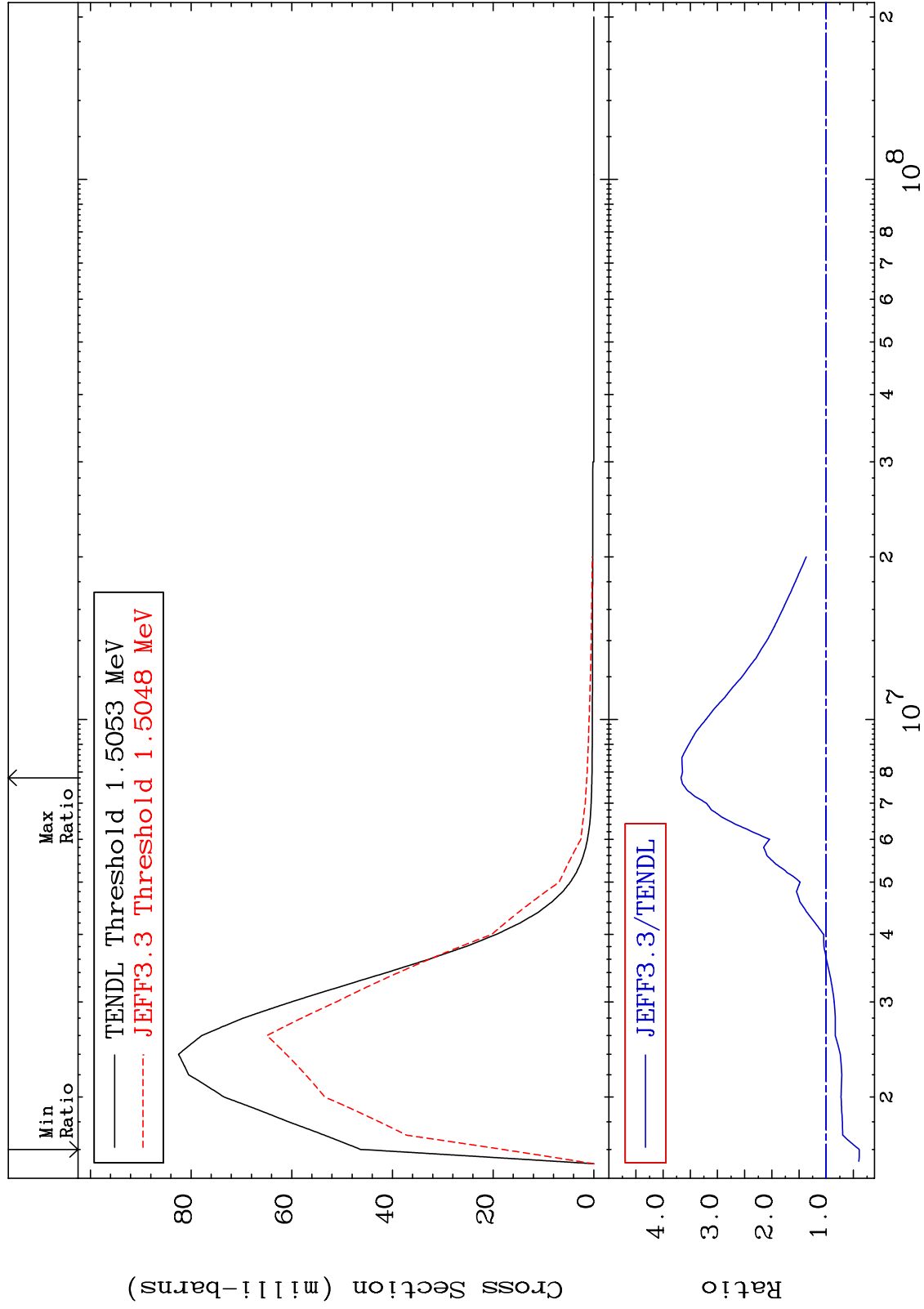
MAT 5925

MT= 58 (n,n') Level
Cross Section

59-Pr-141
-100.0 To -30.84%



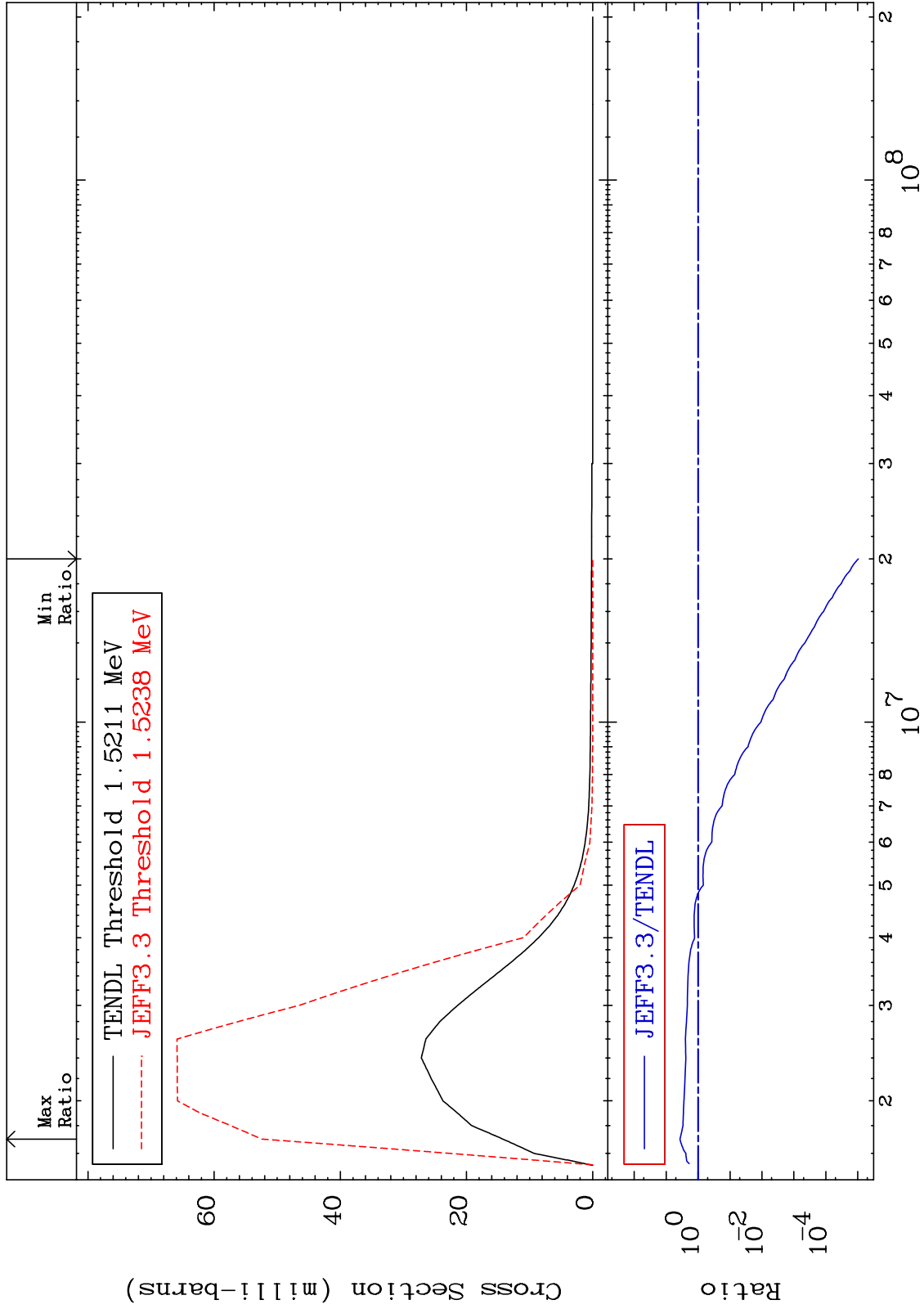




MAT 5925

MT= 61 (n,n') Level
Cross Section

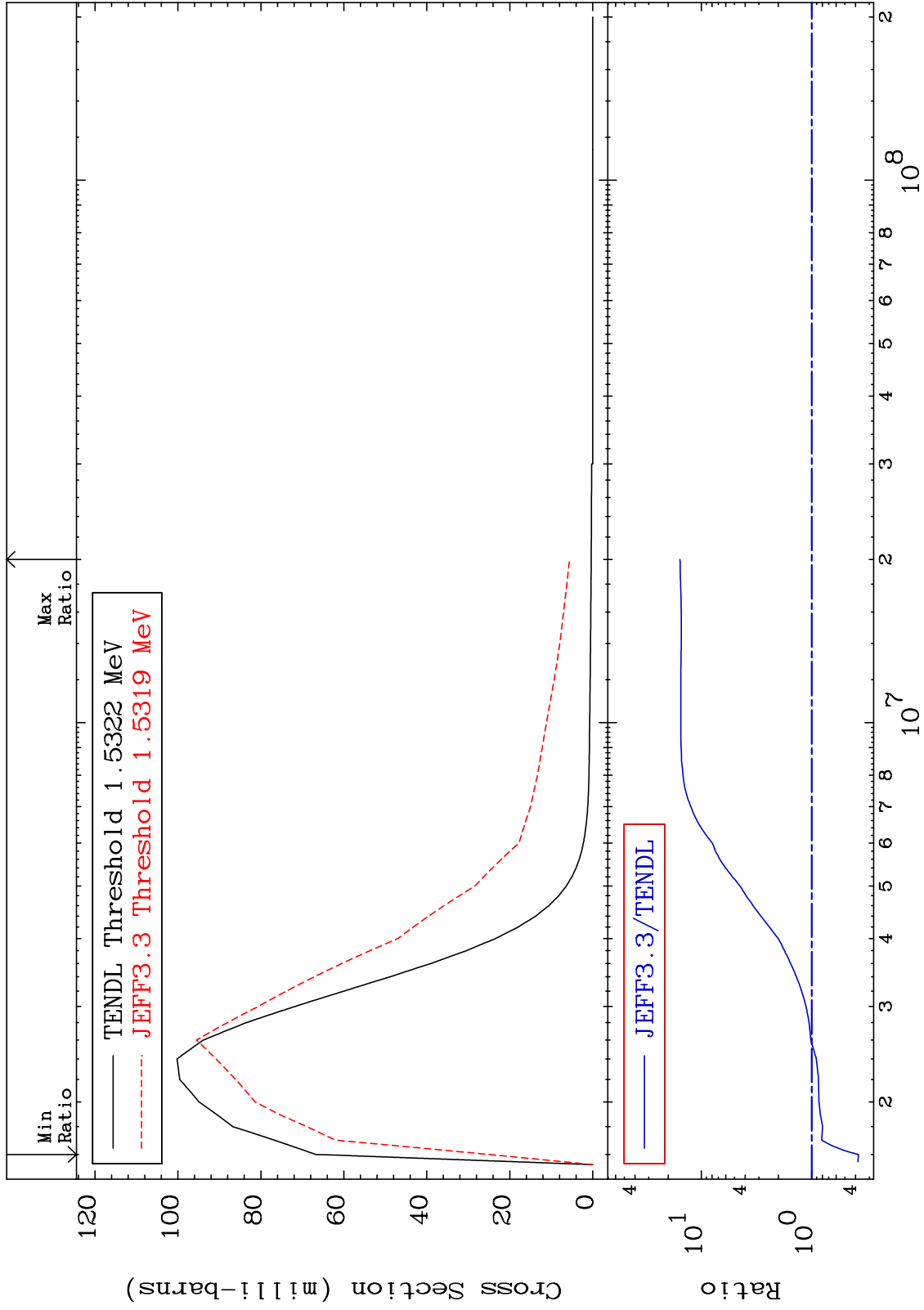
59-Pr-141
-100.0 To 268.4 %



MAT 5925

MT= 62 (n, n') Level
Cross Section

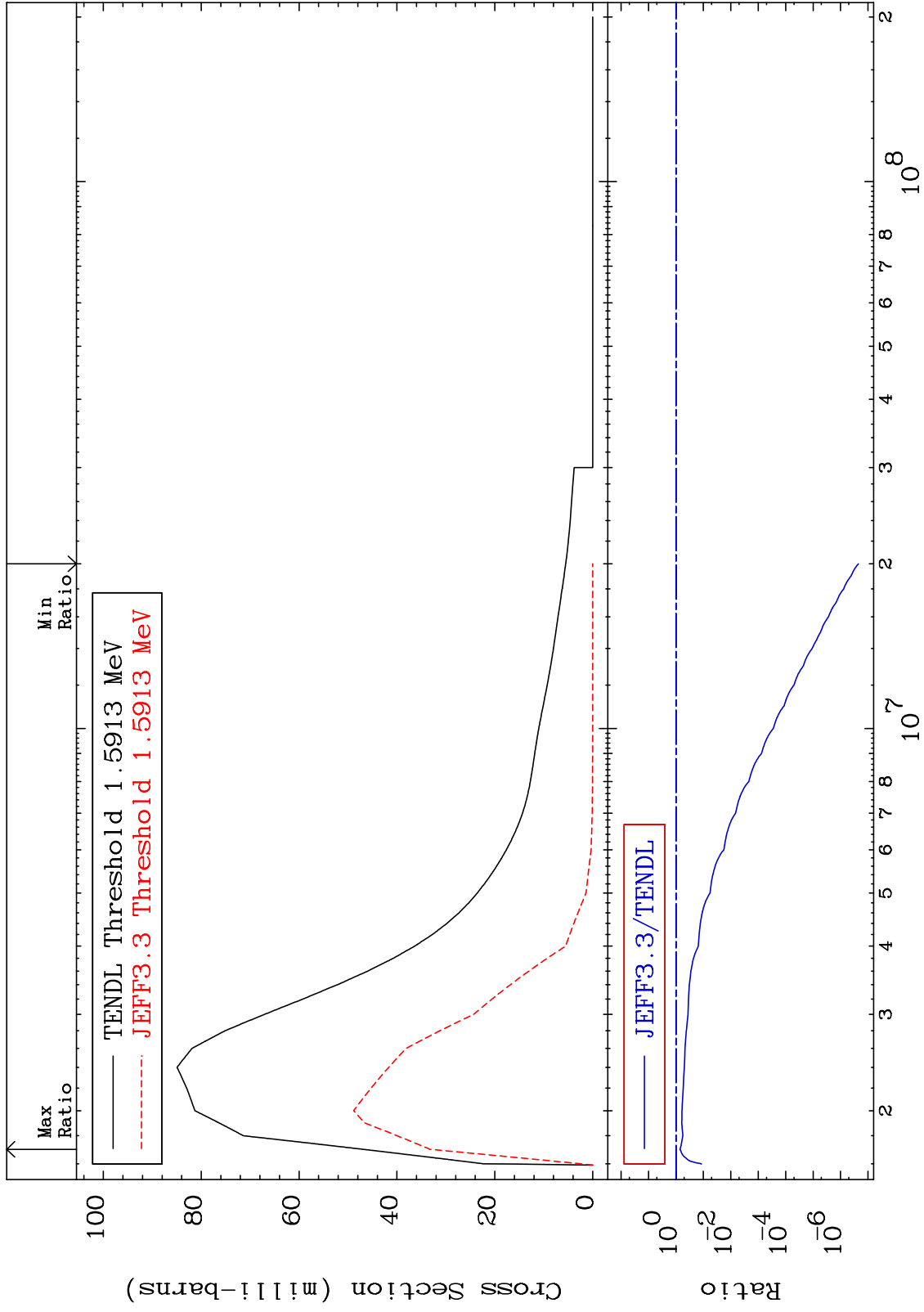
59-Pr-141
-62.38 To 1460. %

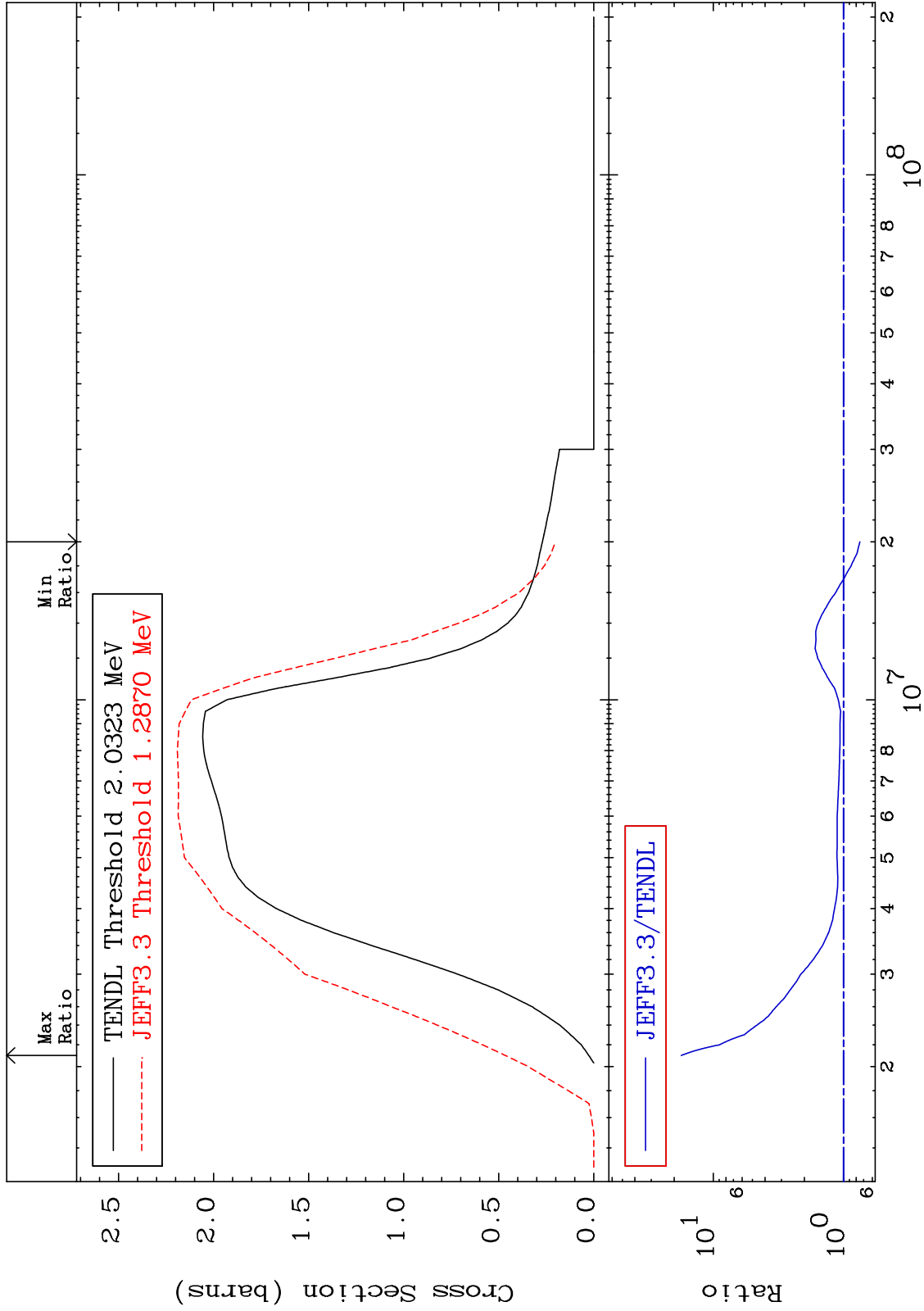


MAT 5925

MT= 63 (n,n') Level
Cross Section

59-Pr-141
-100.0 To -29.11%

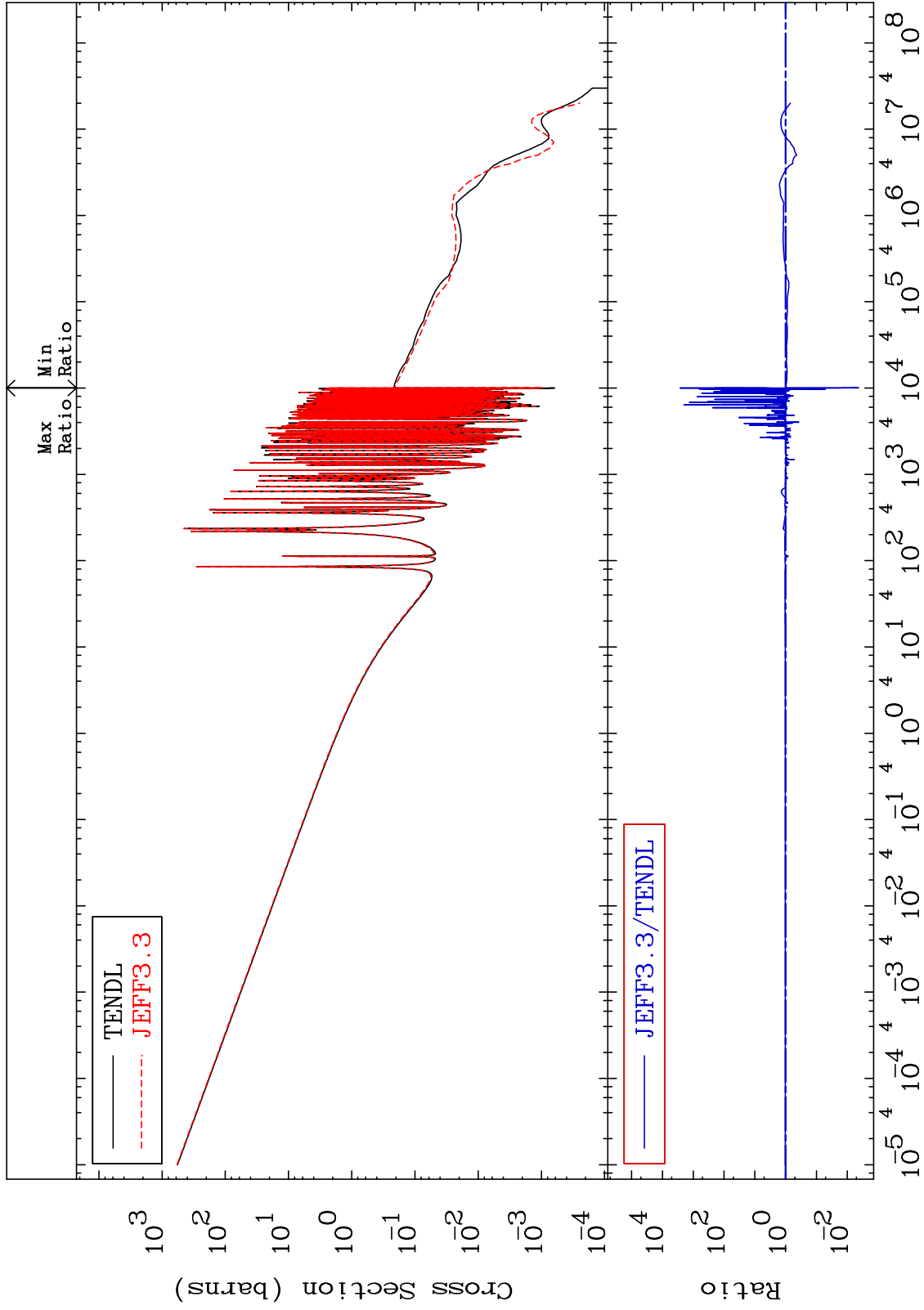




MAT 5925

(n, γ)
Cross Section

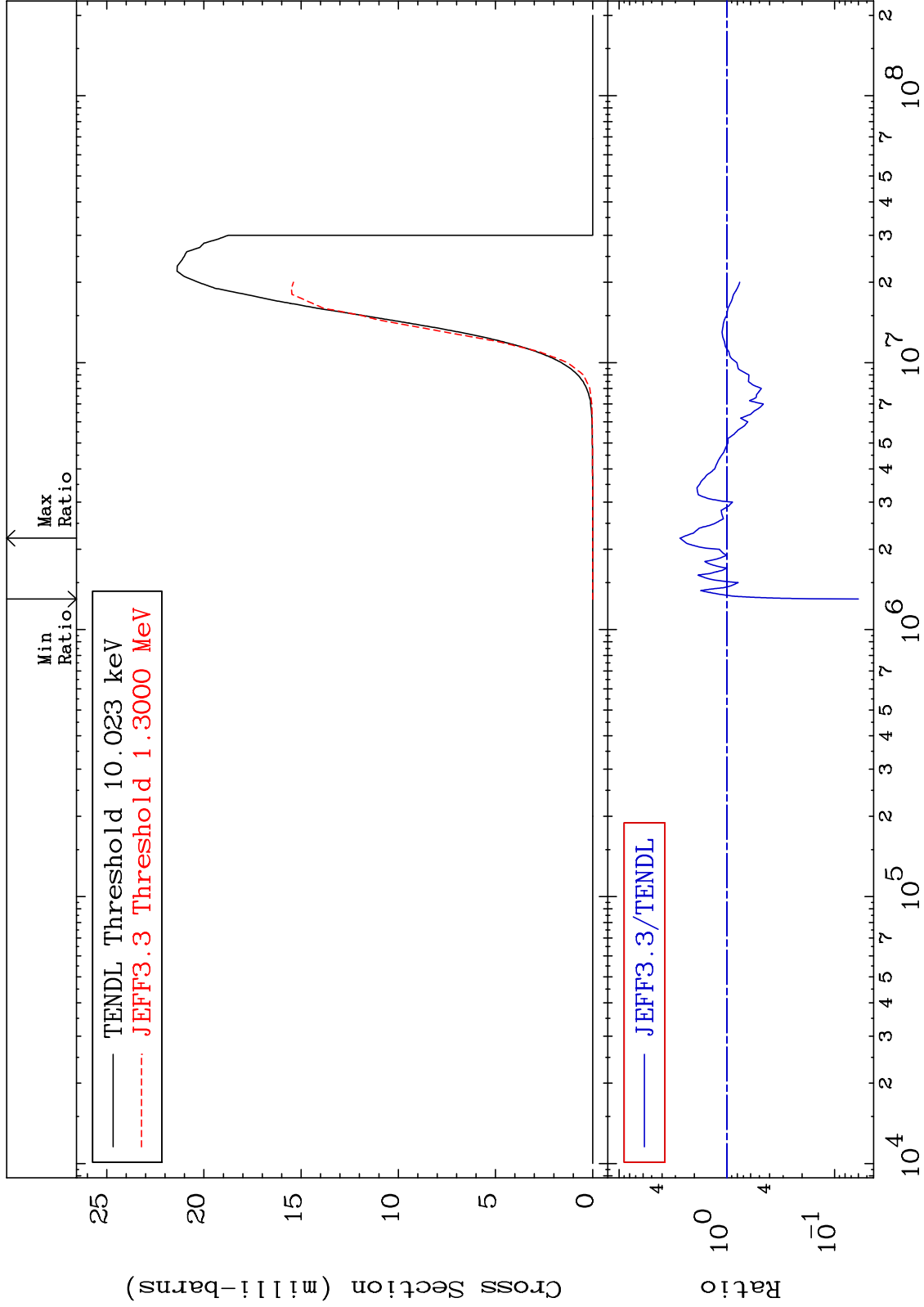
59-Pr-141
-99.57 To 9999. %



MAT 5925

(n, p)
Cross Section

59-Pr-141
-94.00 To 171.9 %



25

Incident Energy (eV)

59-Pr-141

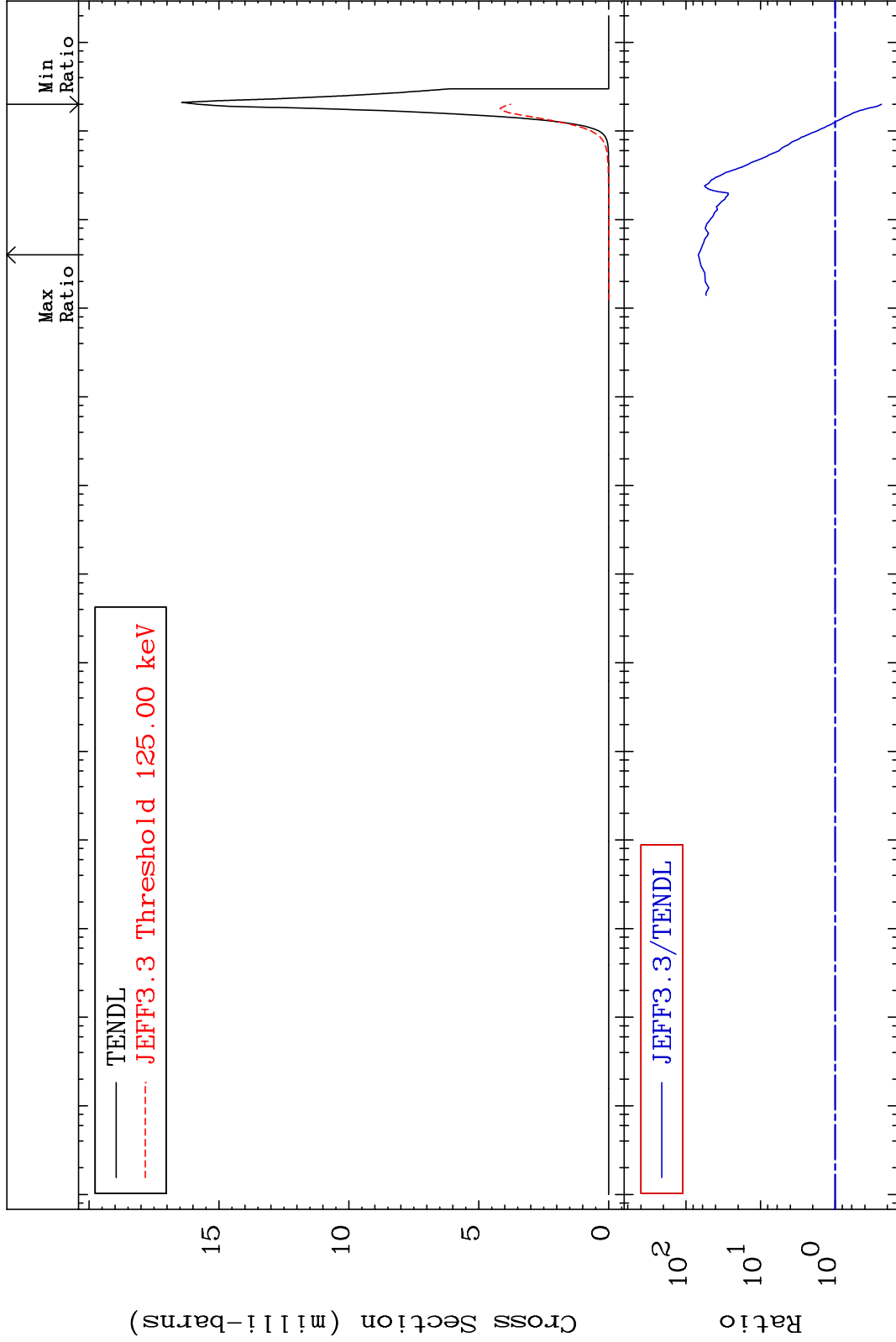
MAT 5925

(n, α)

59-Pr-141

Cross Section

-76.08 To 6710. %



— TENDL
- - - JEFF3.3 Threshold 125.00 keV

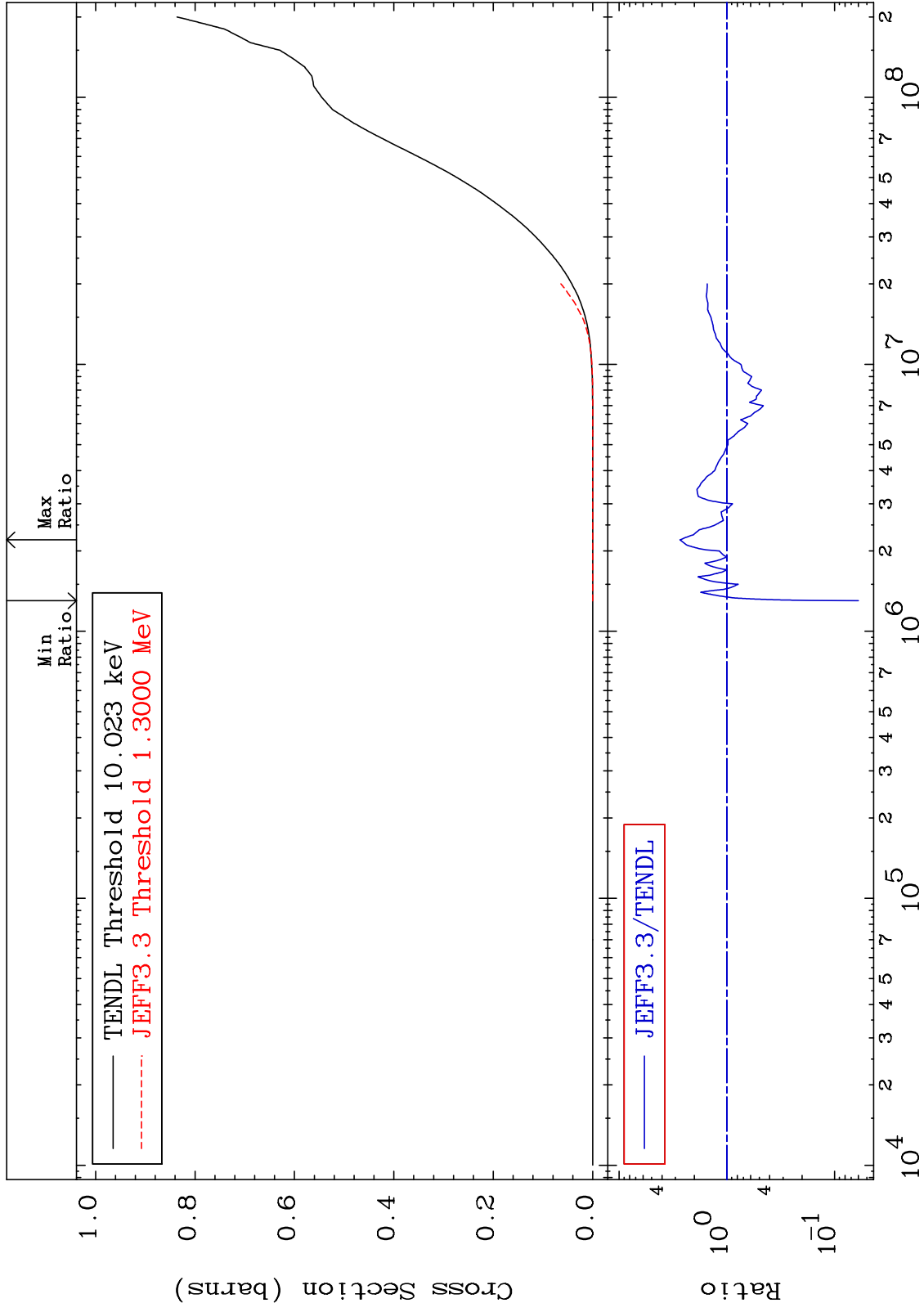
— JEFF3.3/TENDL

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
Incident Energy (eV)

MAT 5925

Hydrogen Production
Cross Section

59-Pr-141
-94.00 To 171.9 %



27

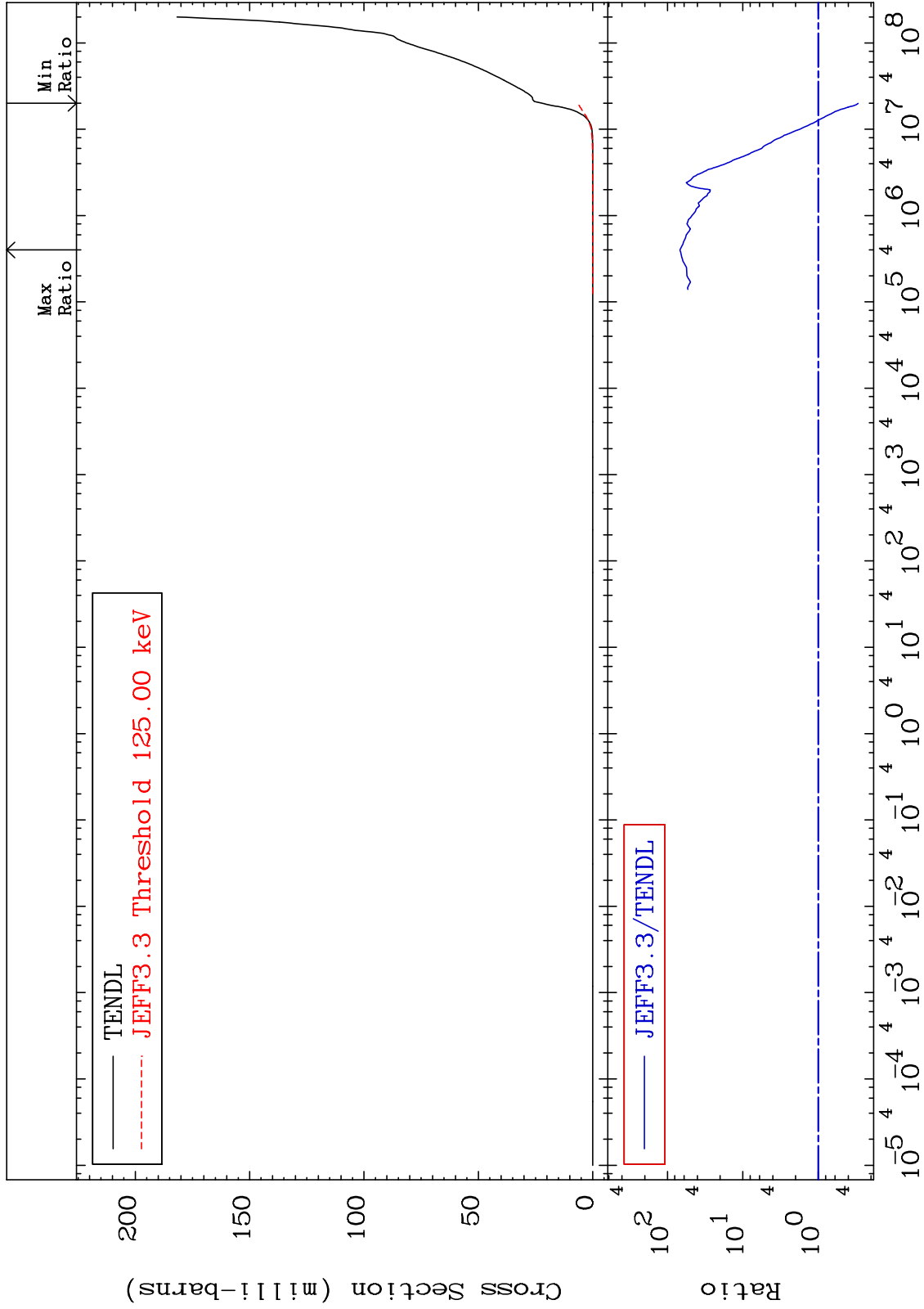
Incident Energy (eV)

59-Pr-141

MAT 5925

He-4 Production
Cross Section

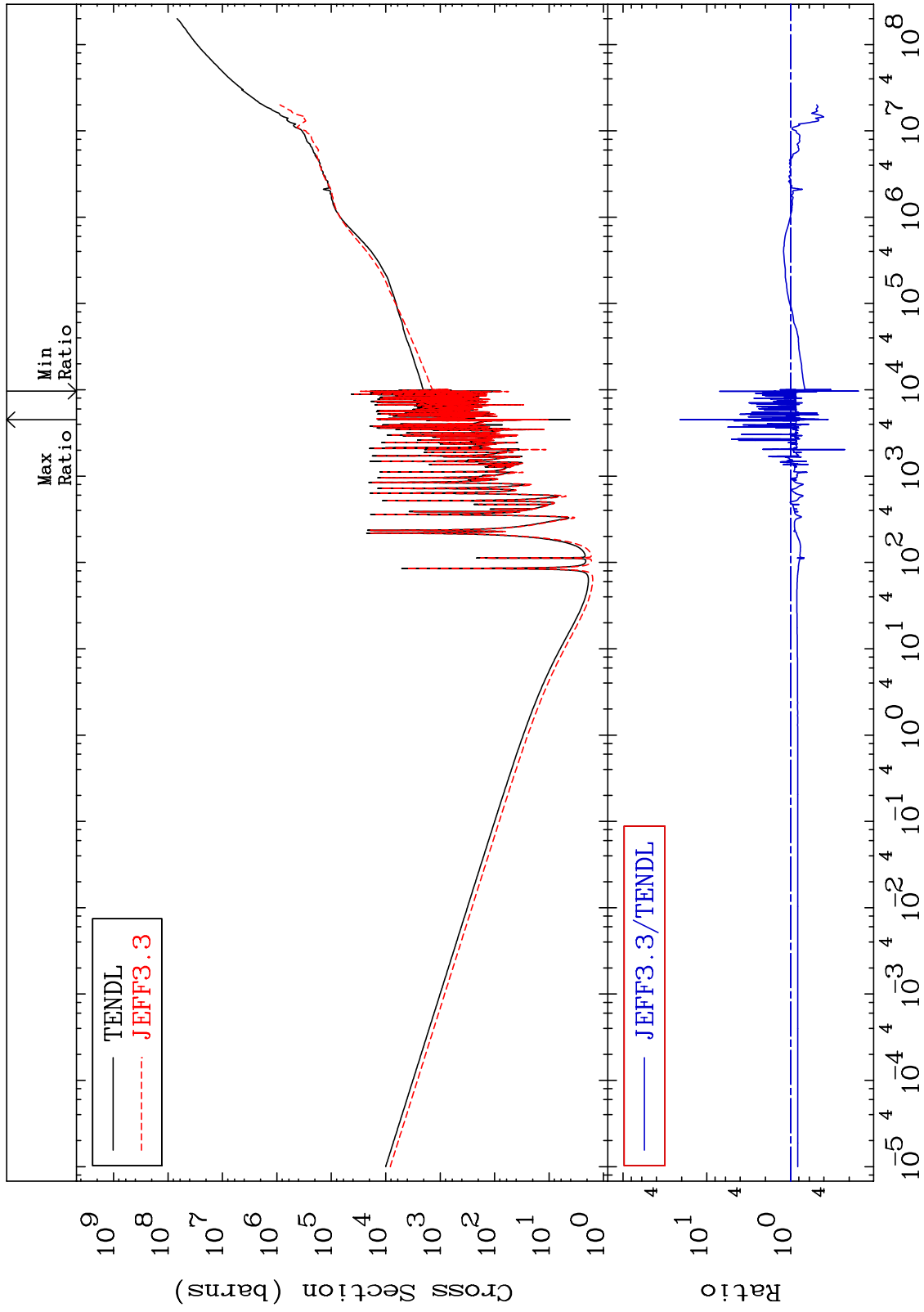
59-Pr-141
-70.66 To 6710. %



MAT 5925

Kerma total (eV-barns)
Cross Section

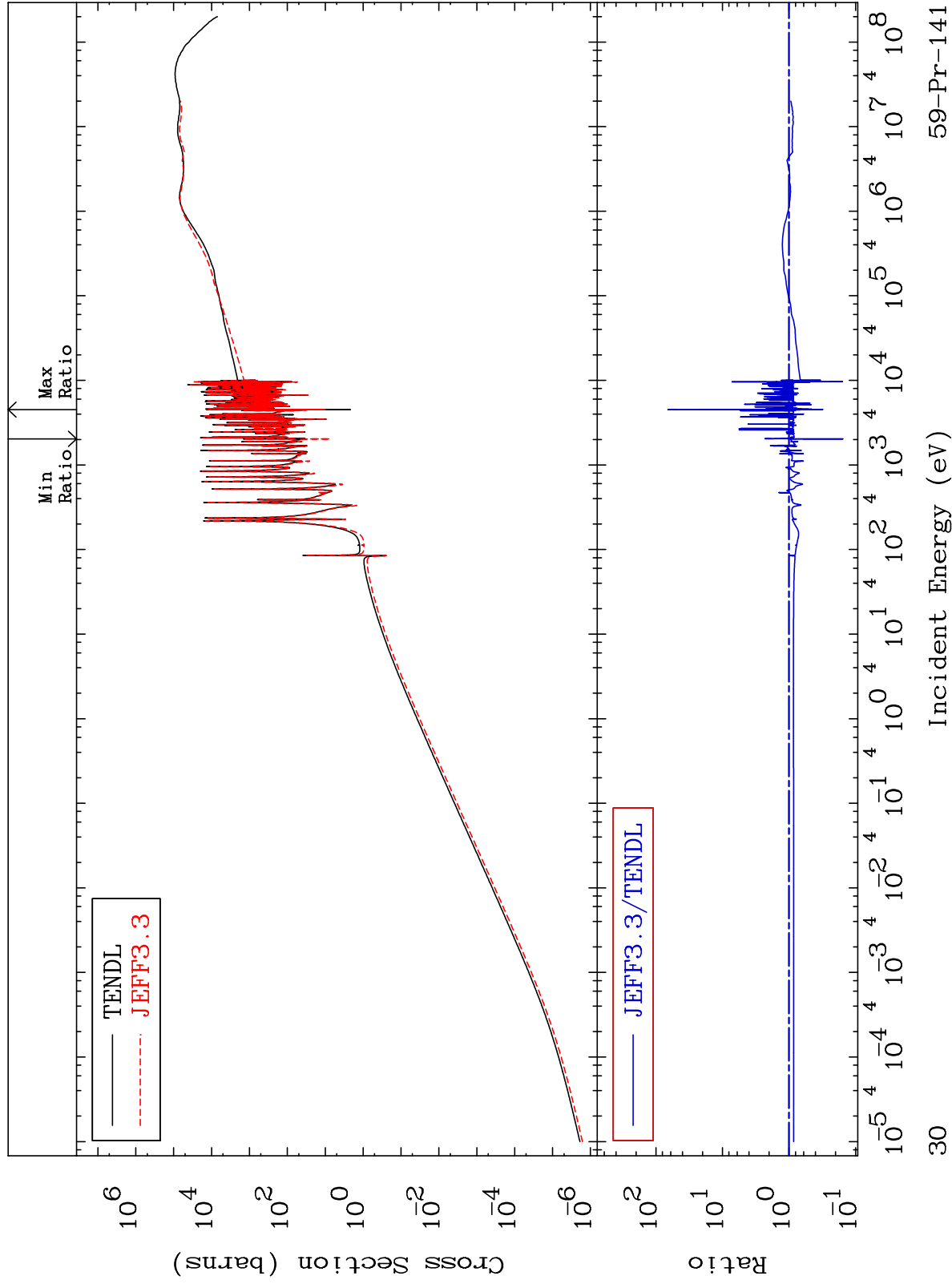
59-Pr-141
-84.47 To 1992. %



MAT 5925

Kerma elastic
Cross Section

59-Pr-141
-84.49 To 6502. %



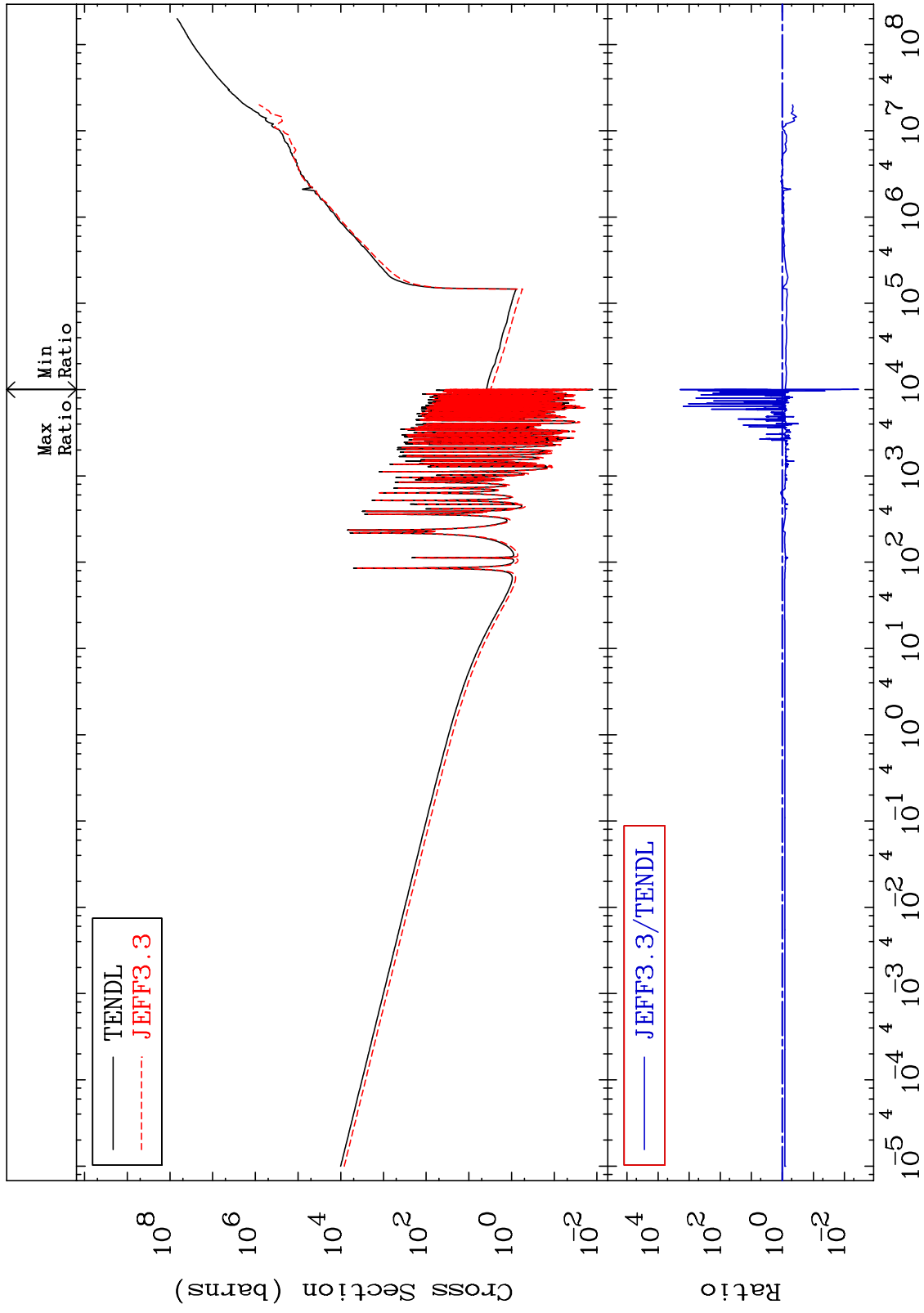
30

59-Pr-141

MAT 5925

Kerma non-elastic (all but mt2)
Cross Section

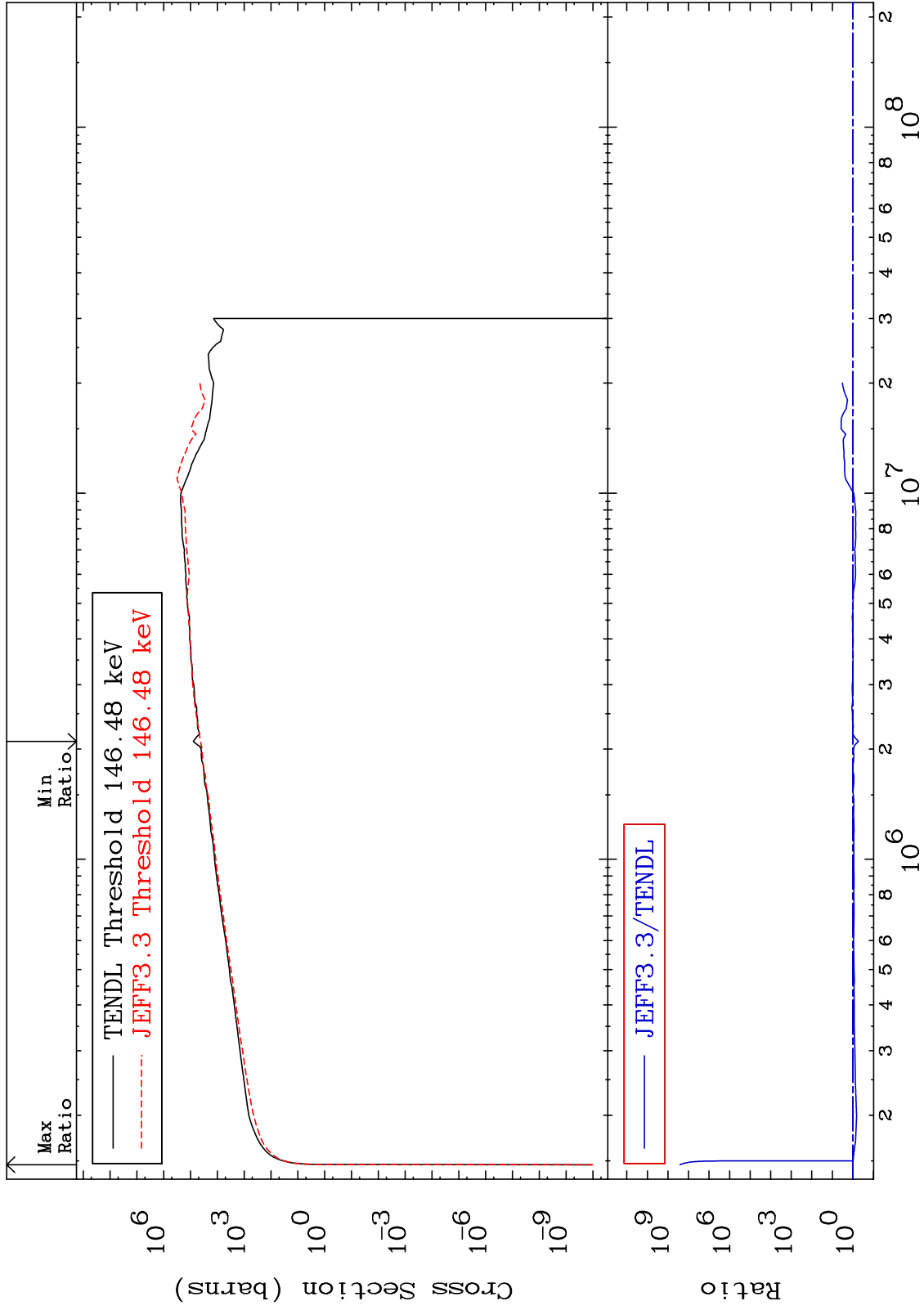
59-Pr-141
-99.64 To 9999. %

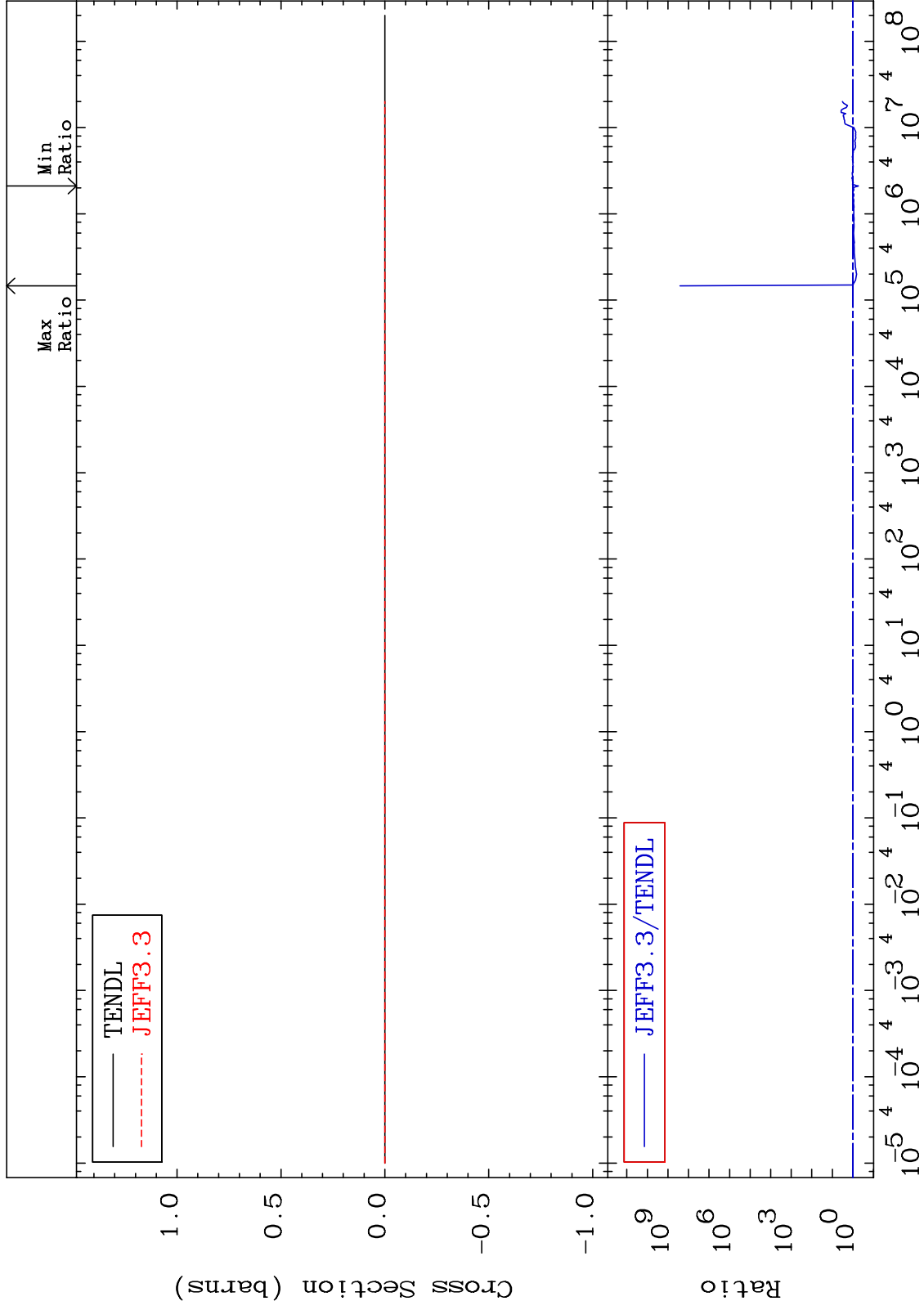


MAT 5925

Kerma inelastic (mt51-91)
Cross Section

59-Pr-141
-46.19 To 9999. %

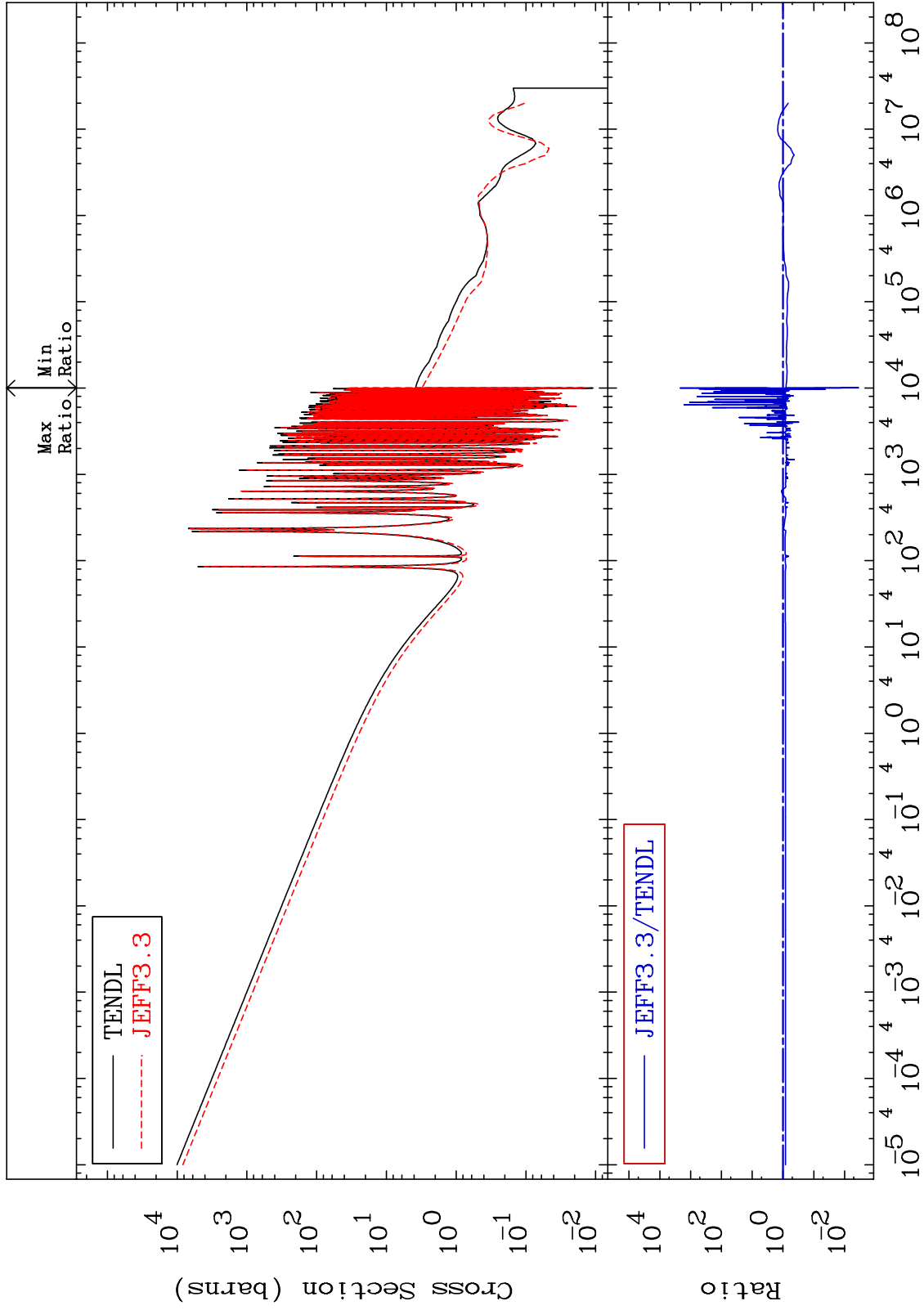




MAT 5925

Kerma capture (mt102)
Cross Section

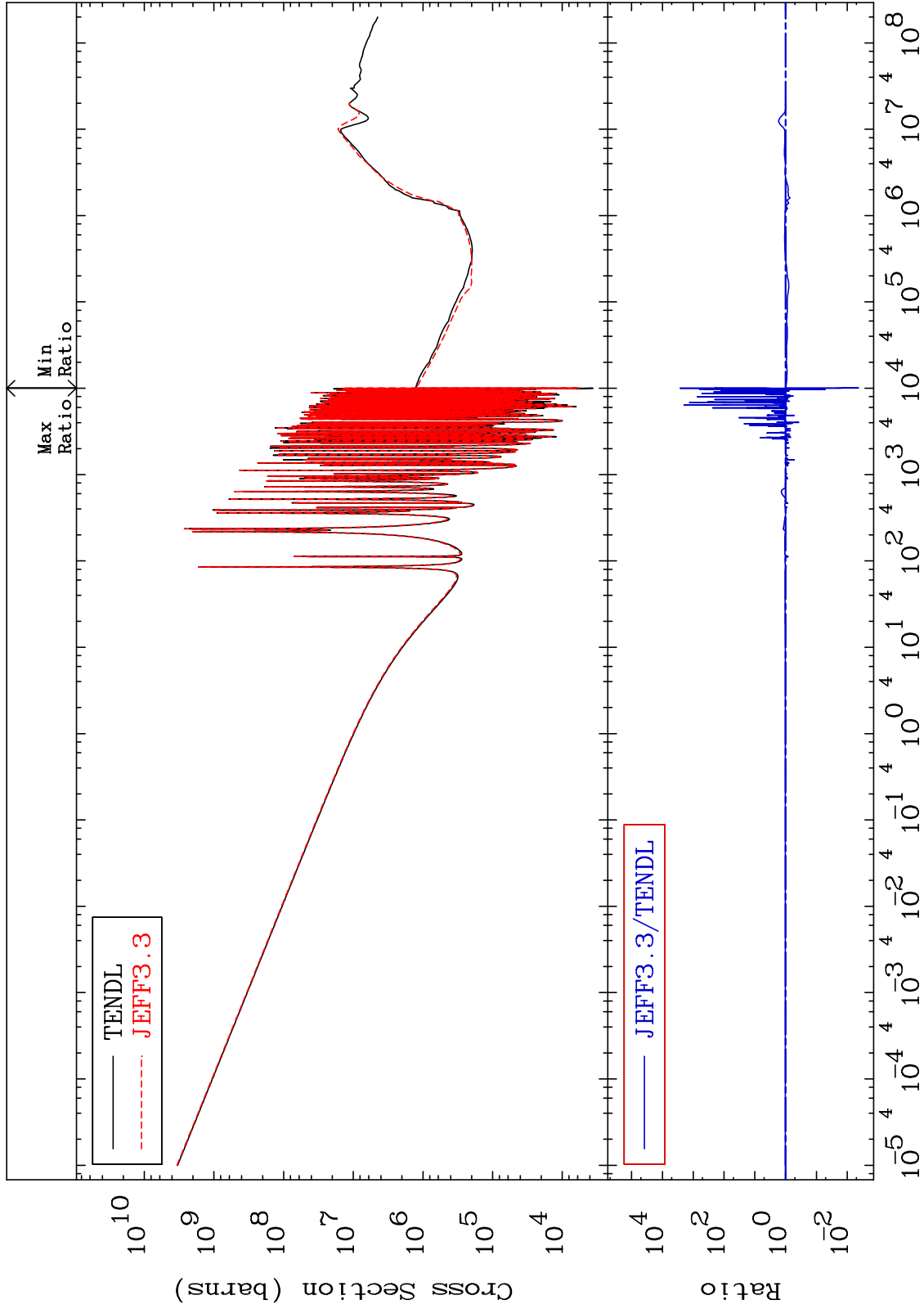
59-Pr-141
-99.64 To 9999. %

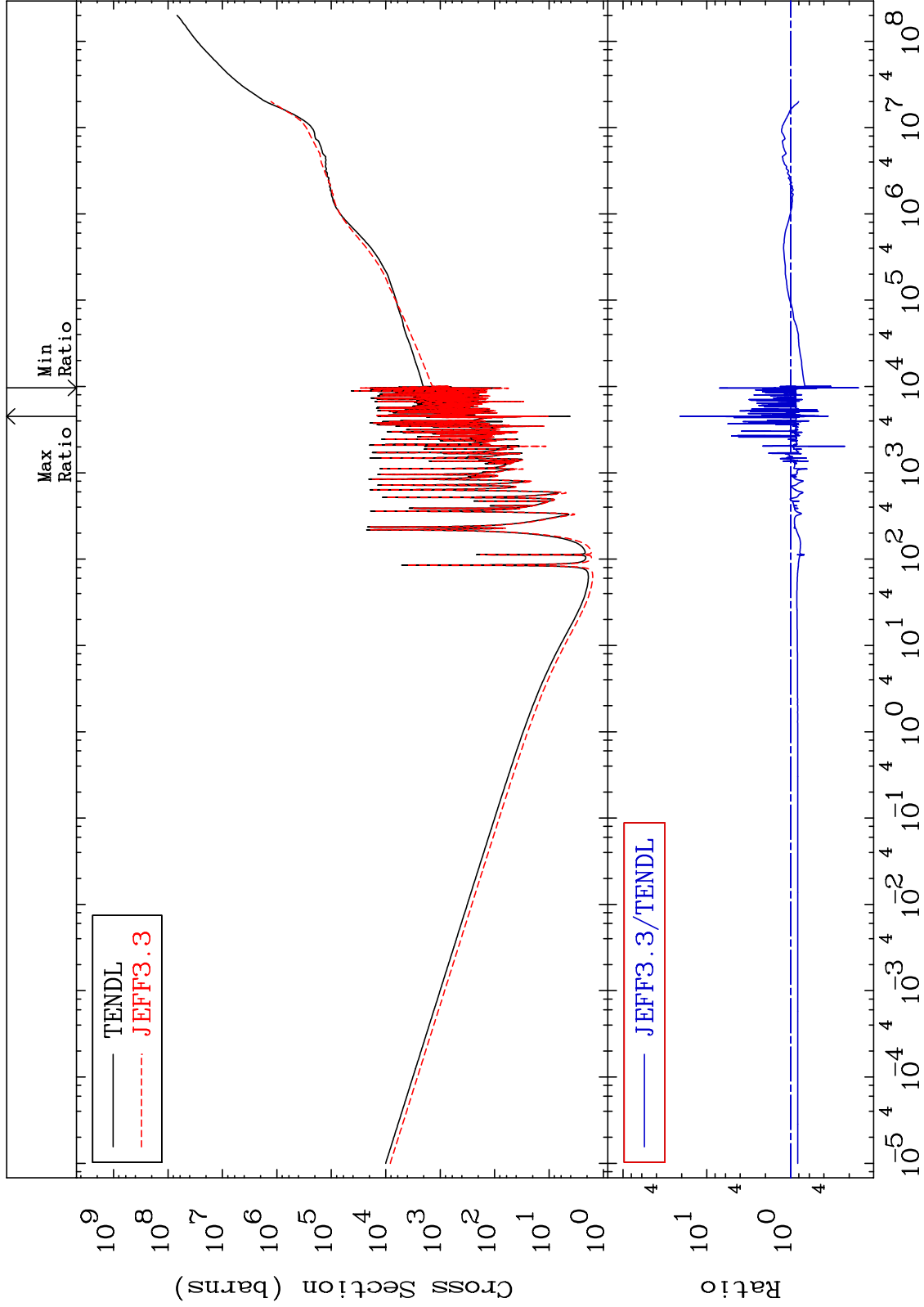


MAT 5925

Total photon (eV-barns)
Cross Section

59-Pr-141
-99.57 To 9999. %

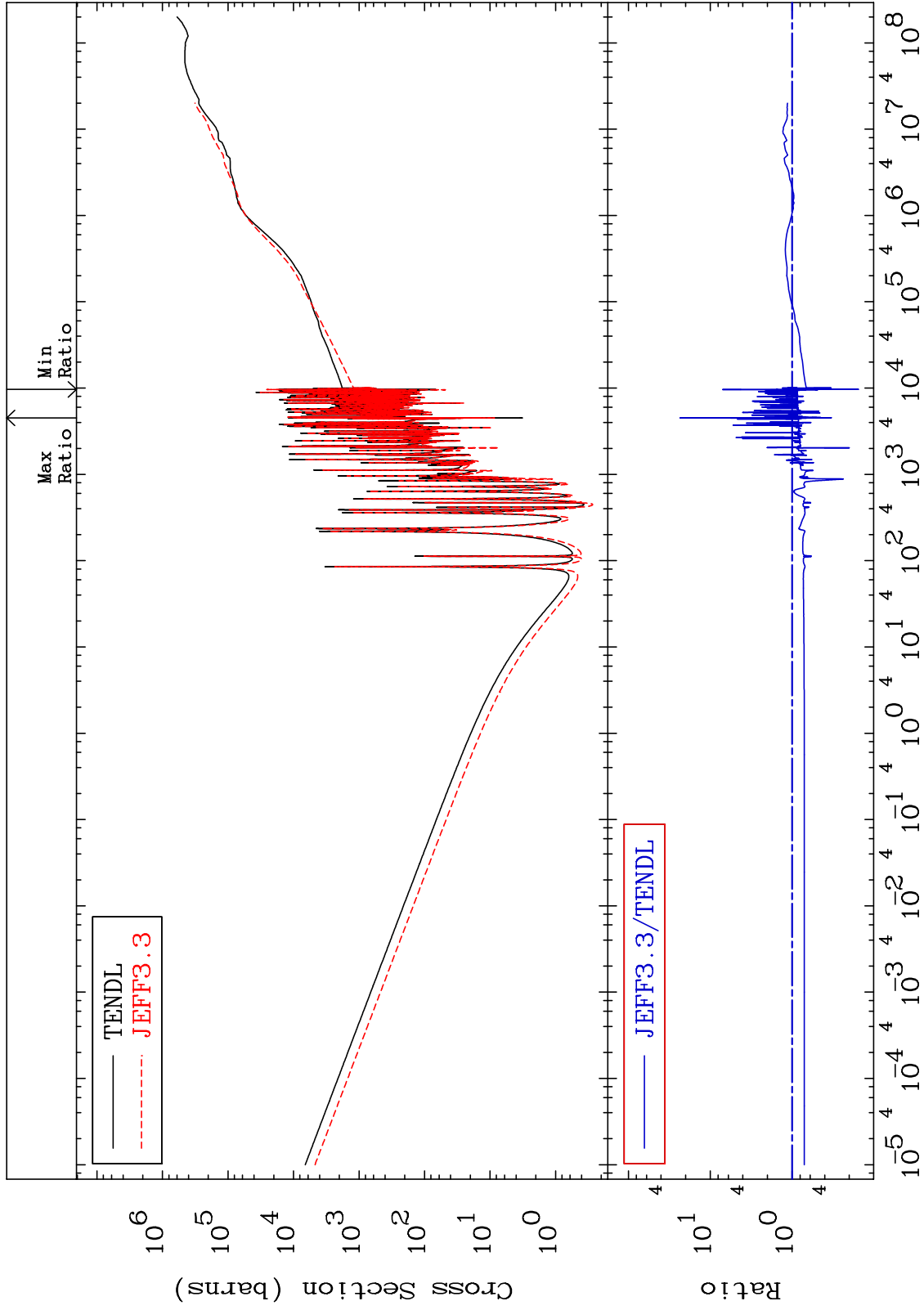




MAT 5925

Dpa total (eV-barns)
Cross Section

59-Pr-141
-84.52 To 2244. %



37

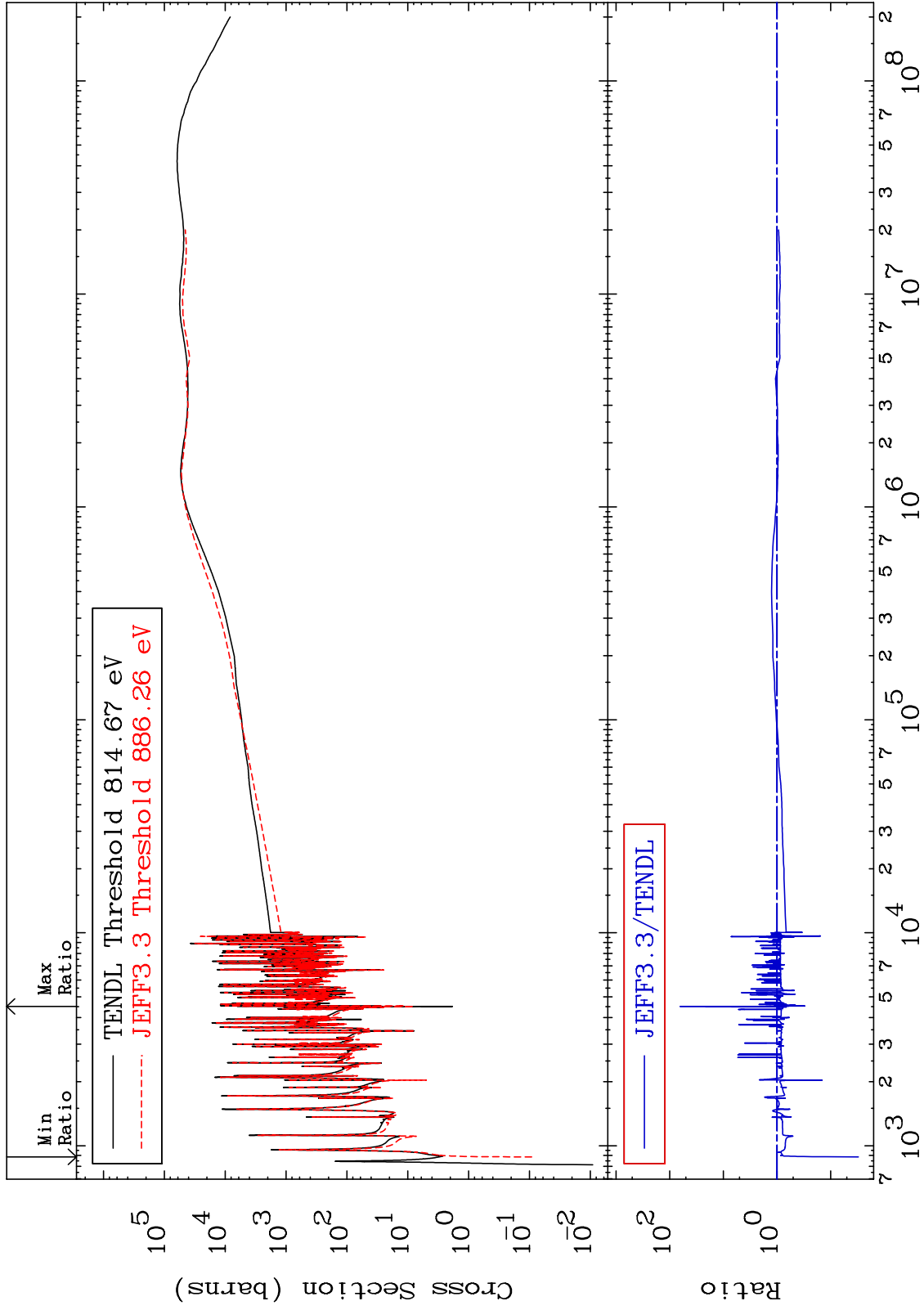
Incident Energy (eV)

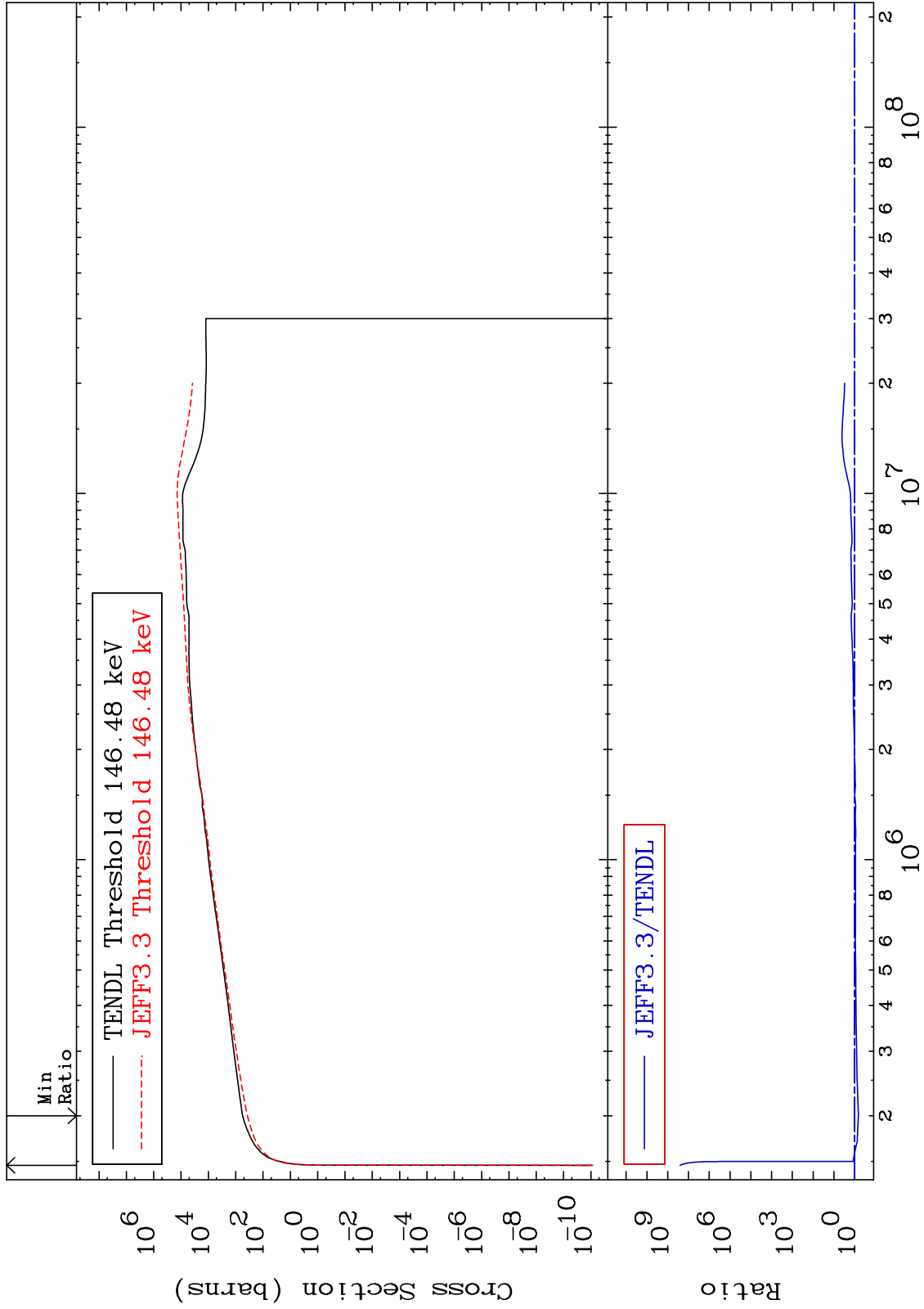
59-Pr-141

MAT 5925

Dpa elastic (mt2)
Cross Section

59-Pr-141
-96.97 To 6335. %

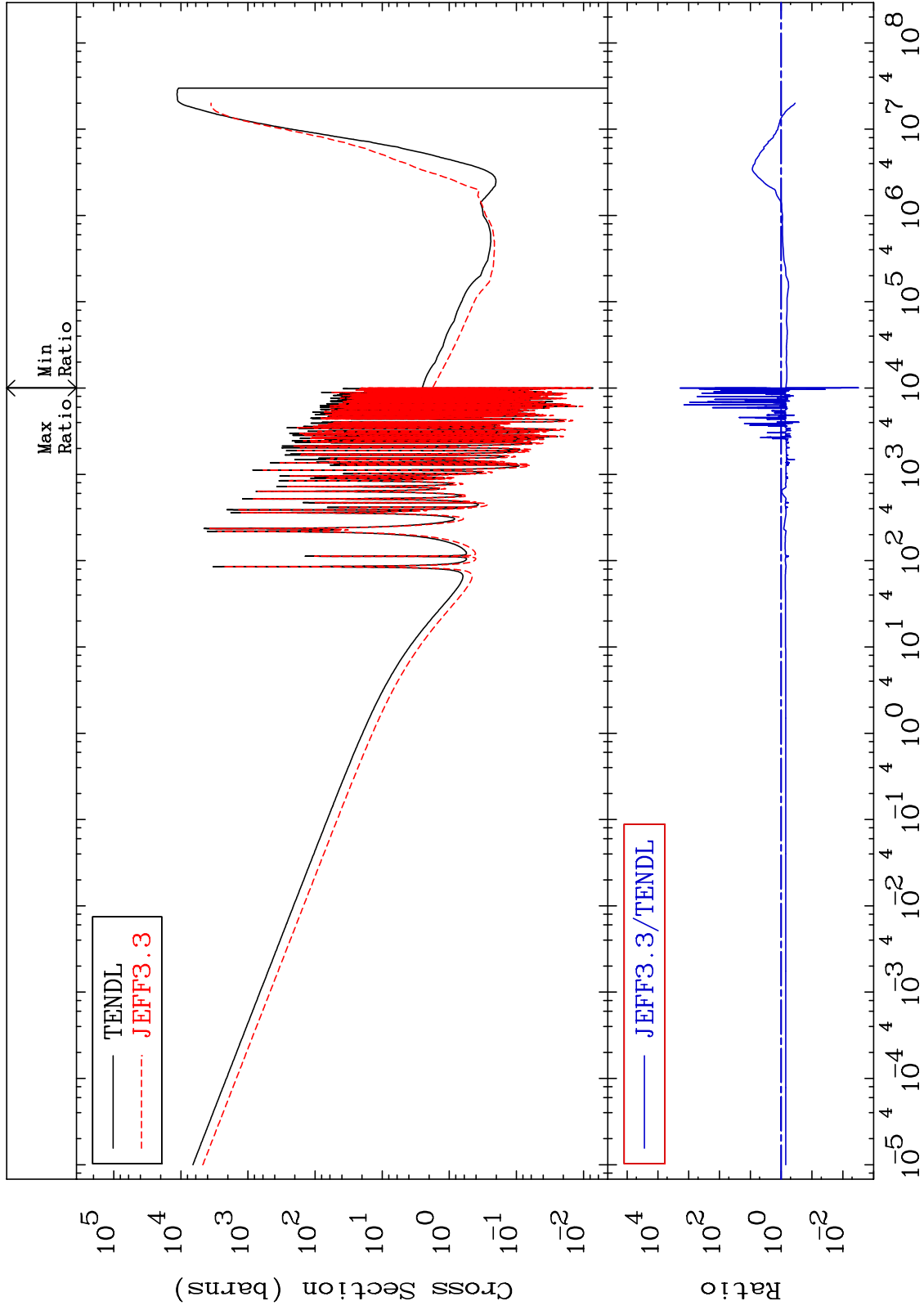




MAT 5925

Dpa disappearance (mt102 -120)
Cross Section

59-Pr-141
-99.69 To 9999. %



40

Incident Energy (eV)

59-Pr-141