

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

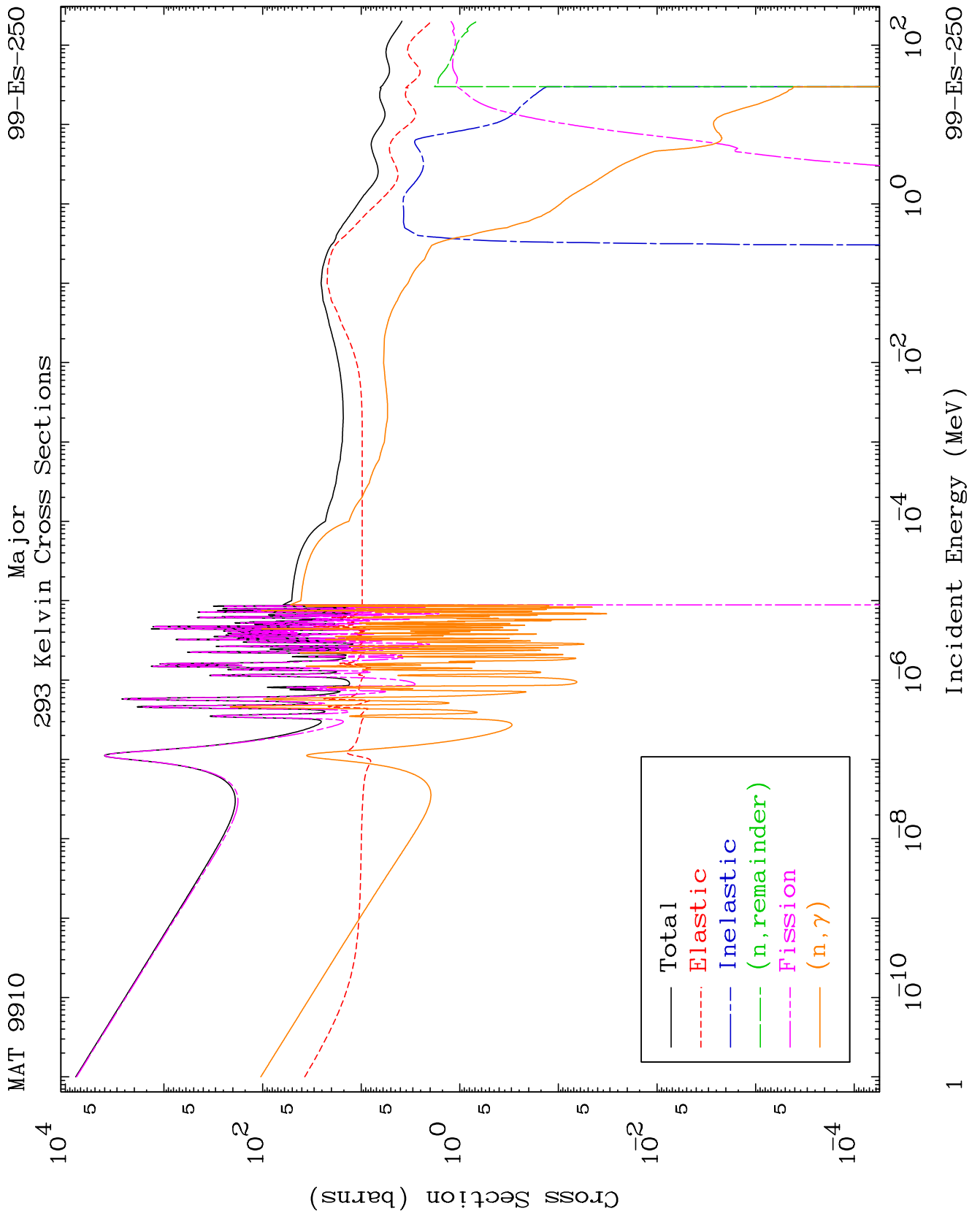
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Web:redcullen1.net/HOMEPAGE.NEW

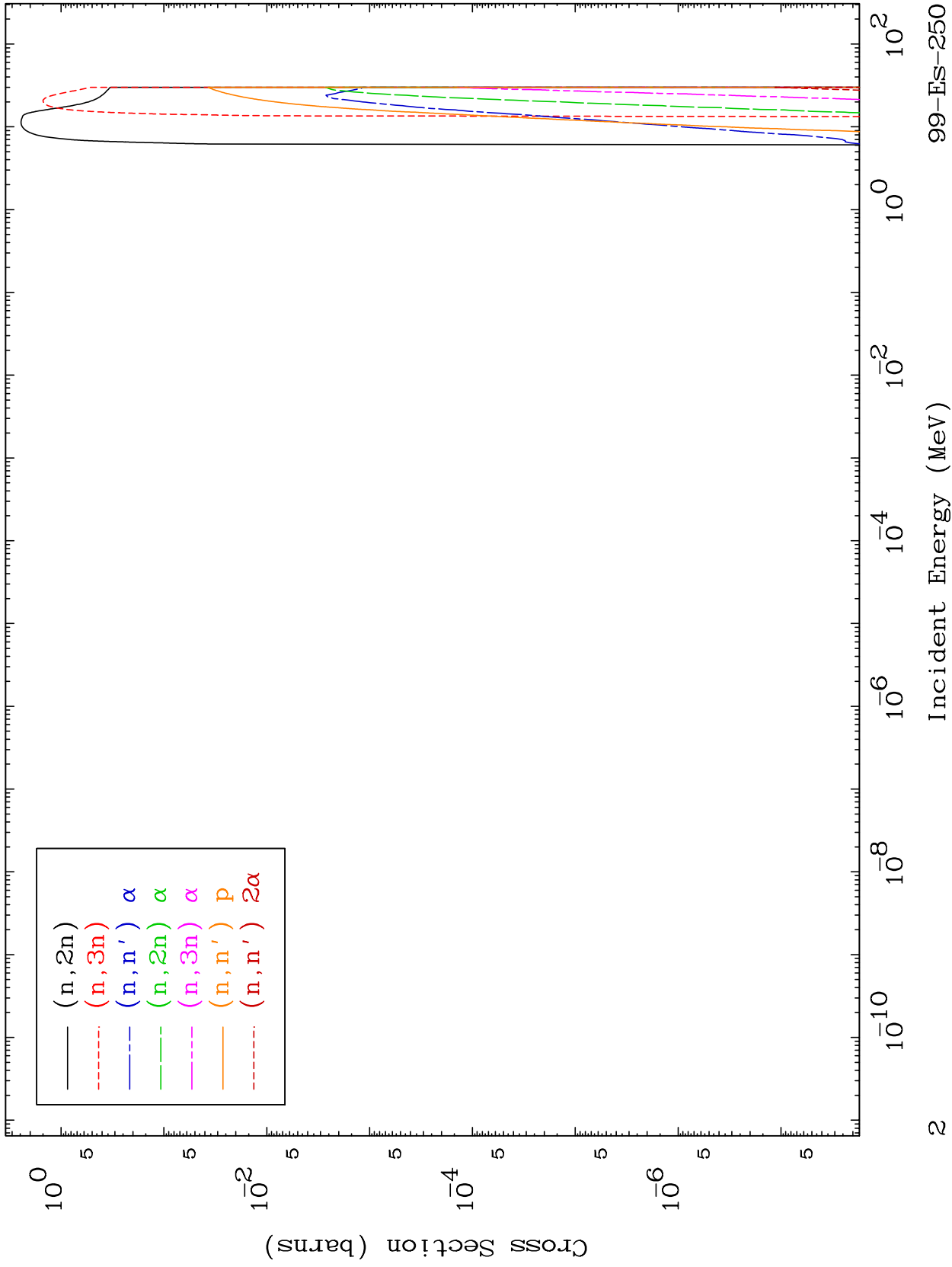
Press Mouse Button to Start

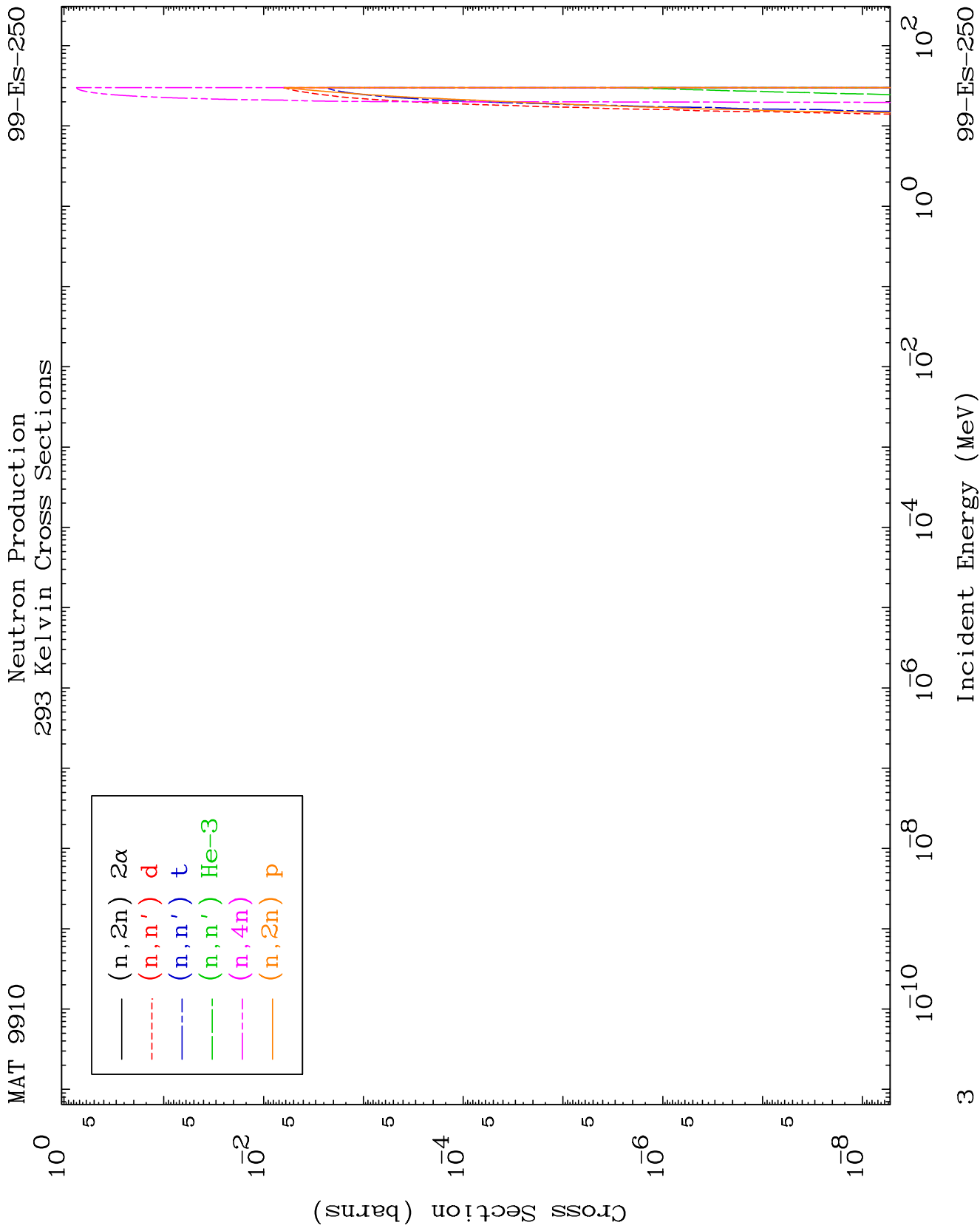


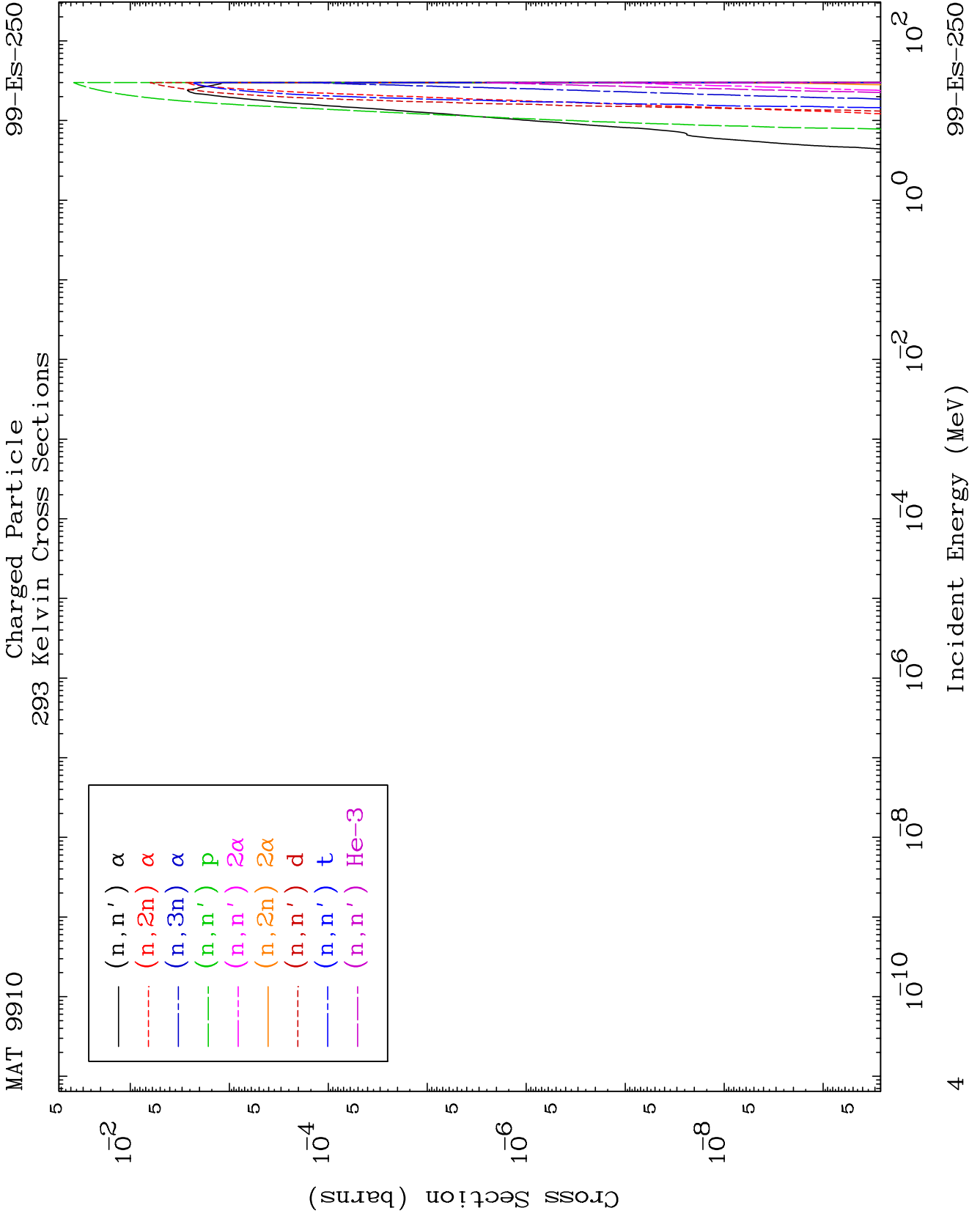
MAT 9910

Neutron Production
293 Kelvin Cross Sections

99-Es-250



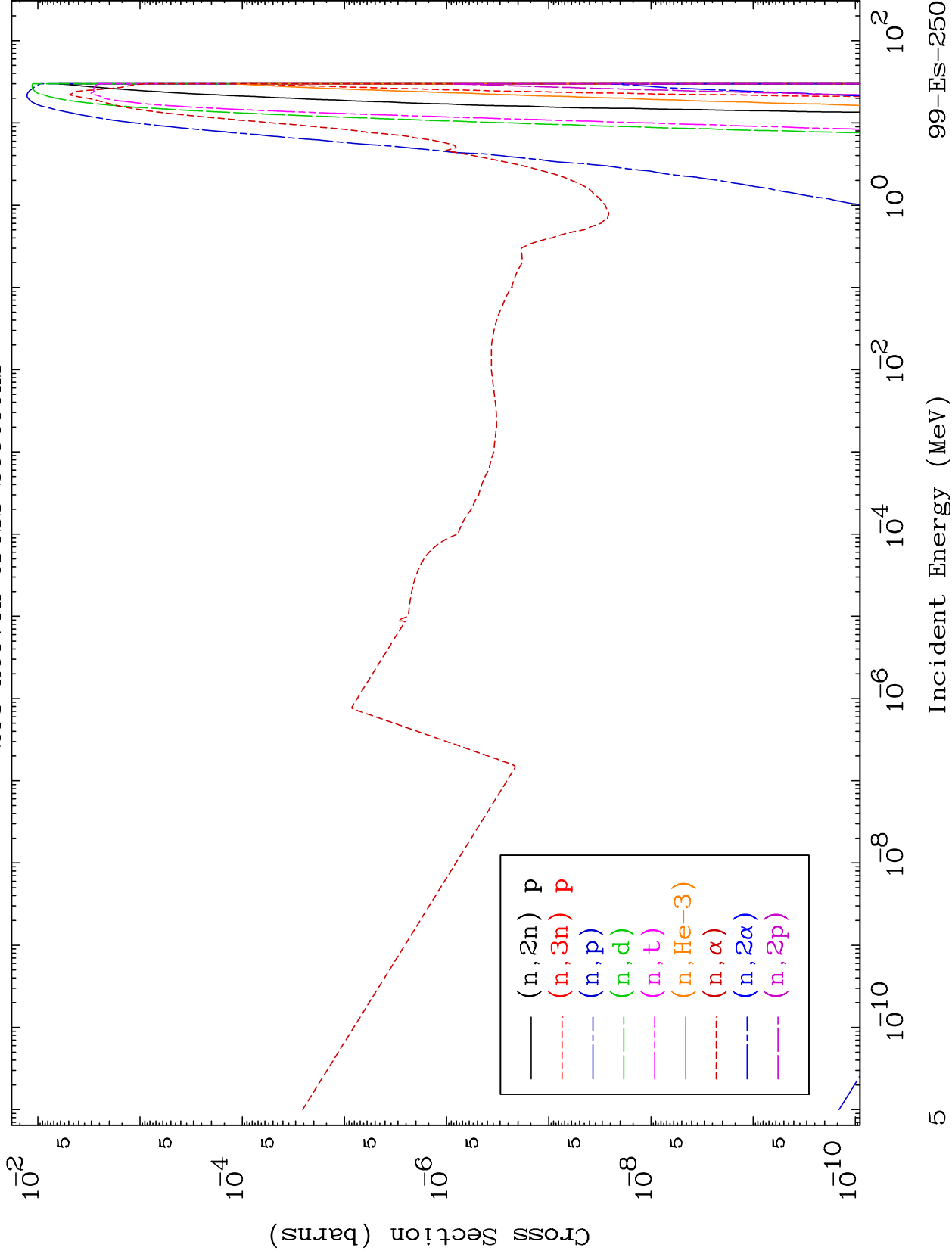




MAT 9910

Charged Particle
293 Kelvin Cross Sections

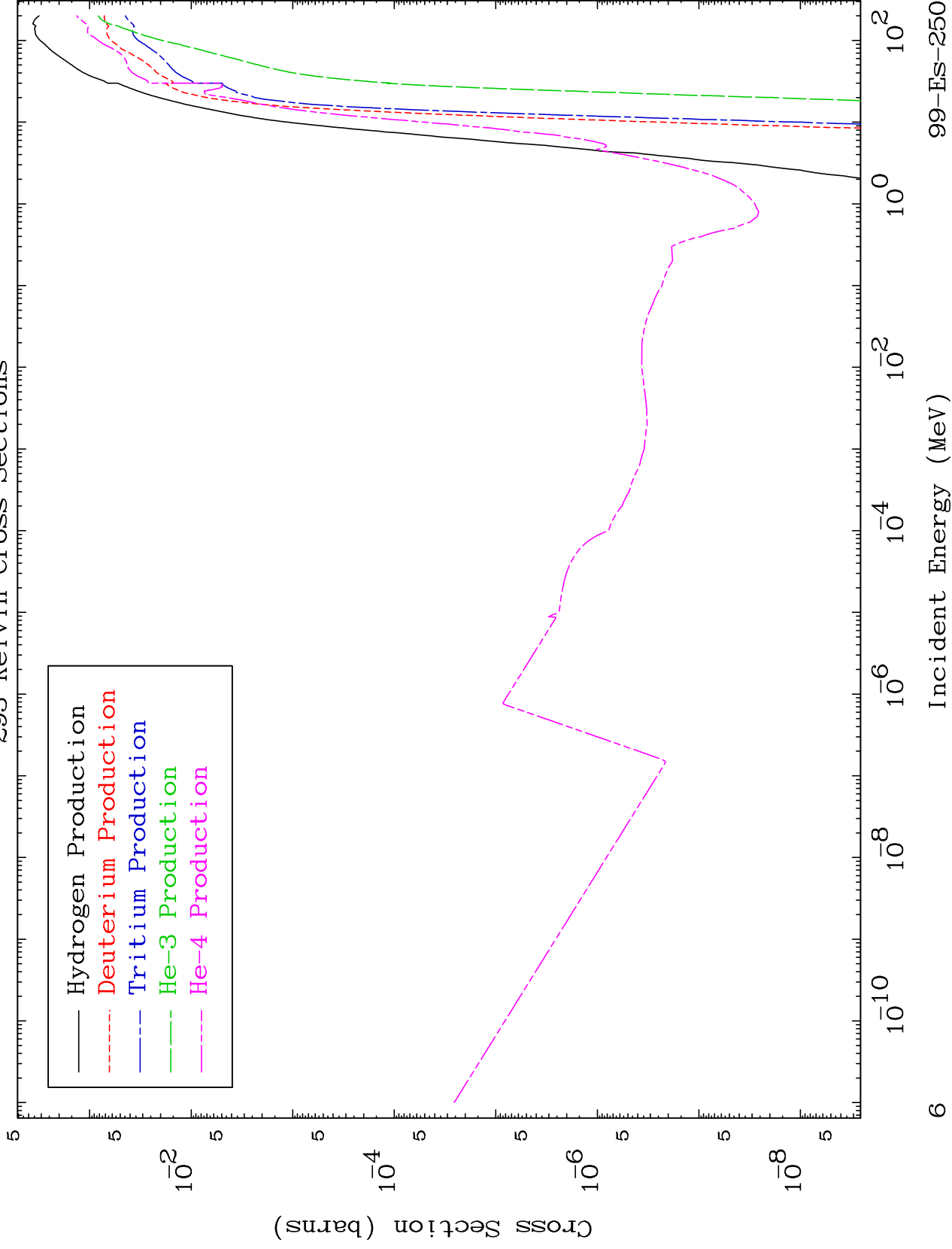
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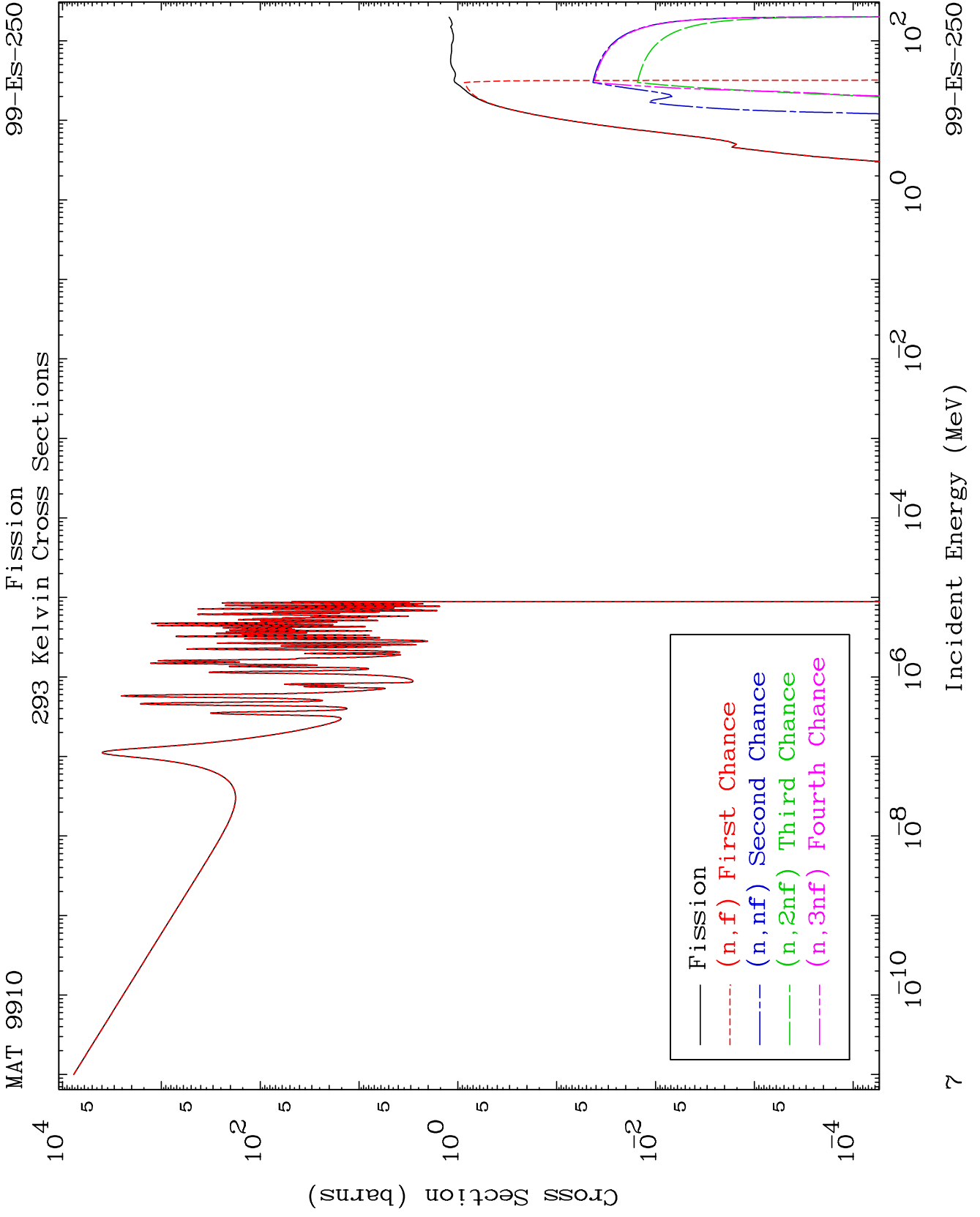


MAT 9910

Particle Production
293 Kelvin Cross Sections

99-Es-250



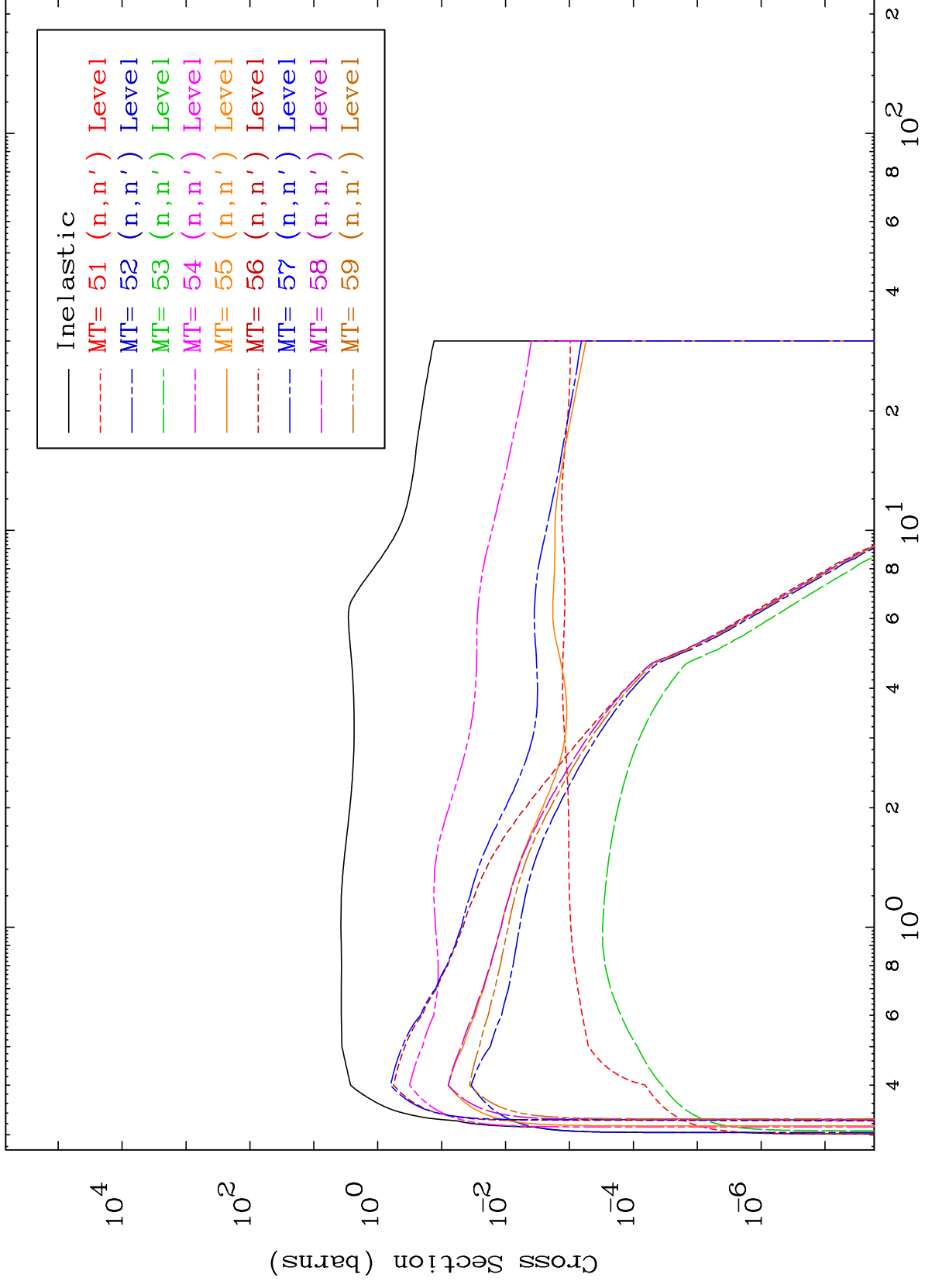


MAT 9910

(n,n') Level

99-Es-250

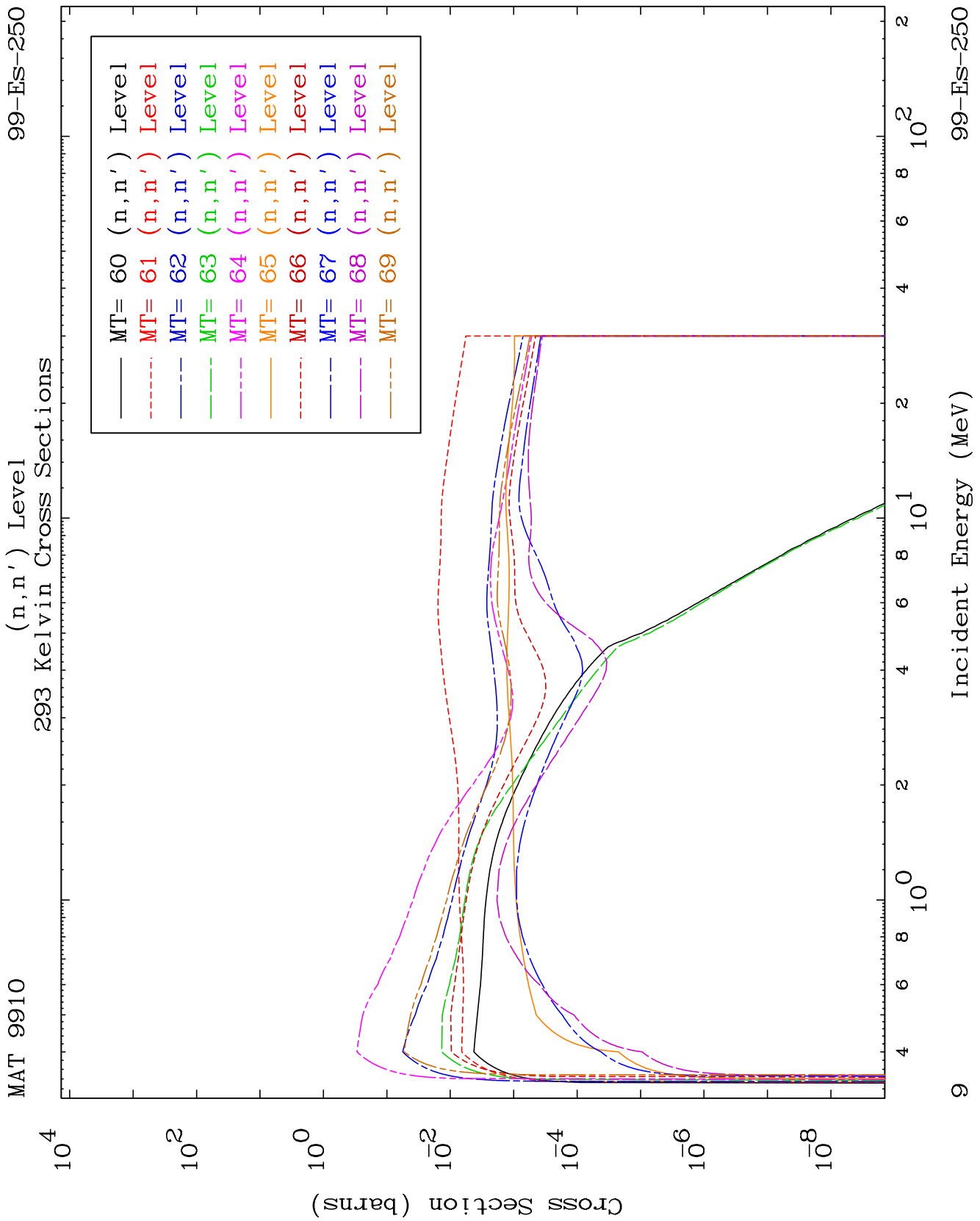
293 Kelvin Cross Sections

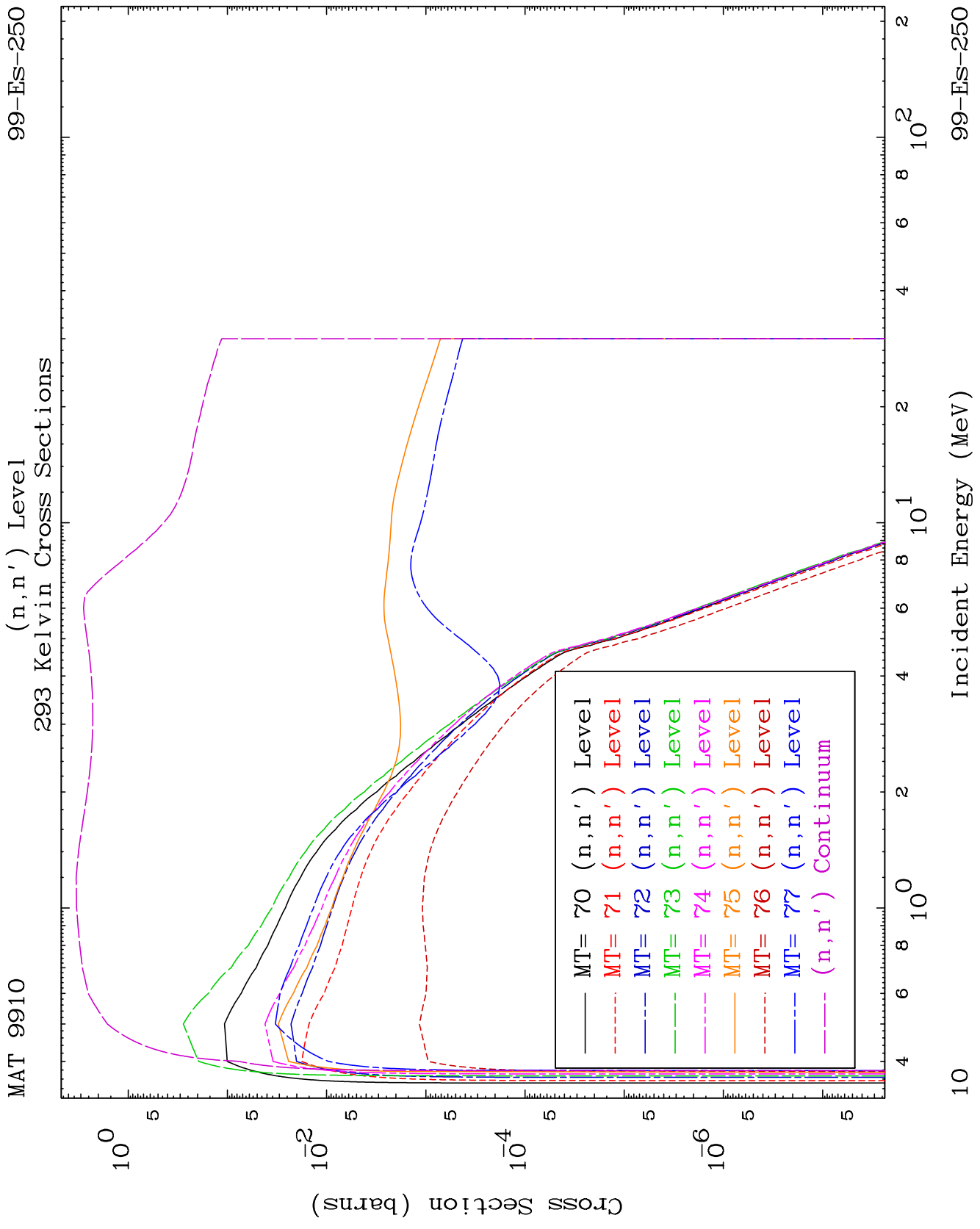


8

Incident Energy (MeV)

99-Es-250

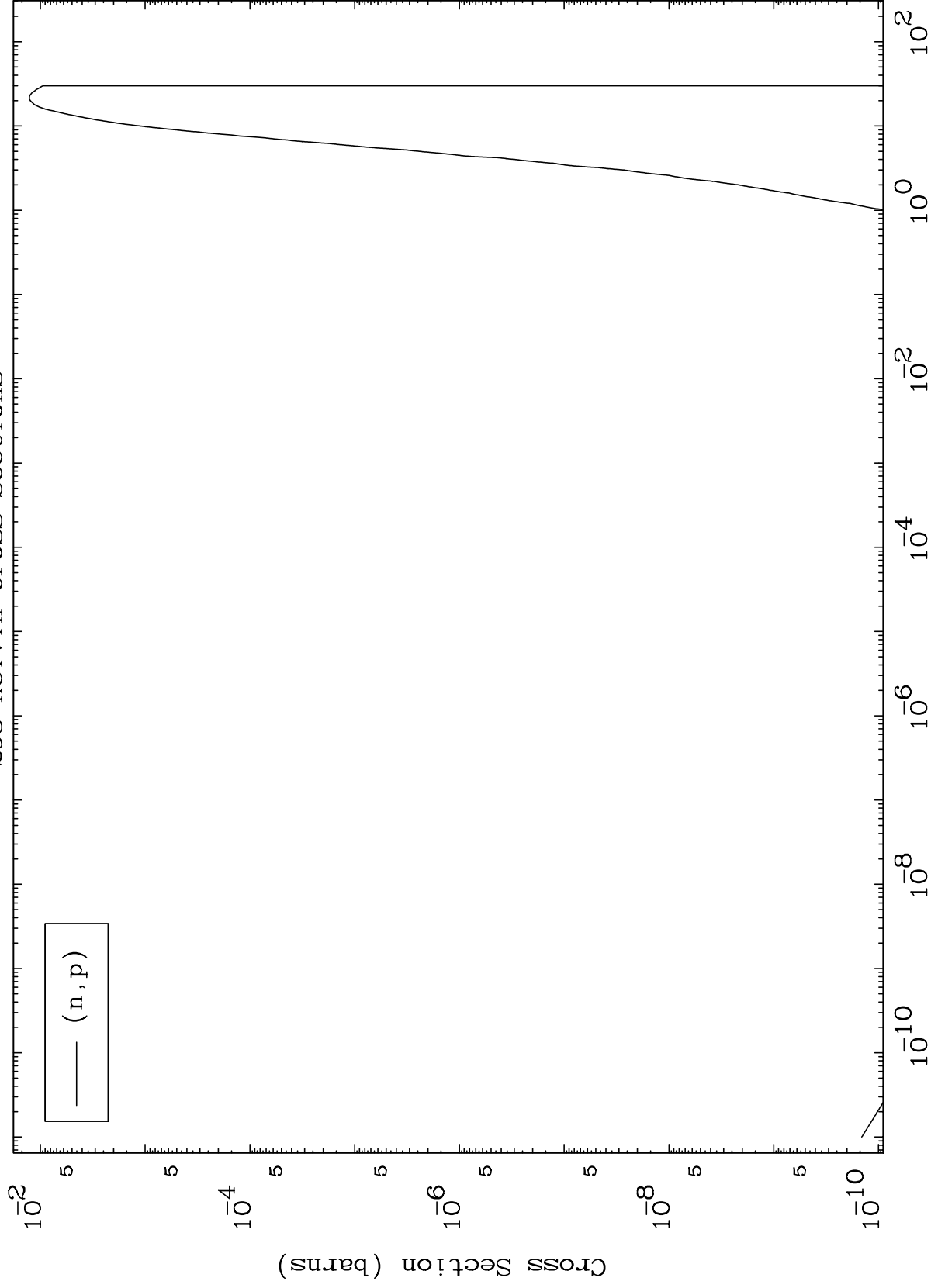




MAT 9910

(n,p) Levels
293 Kelvin Cross Sections

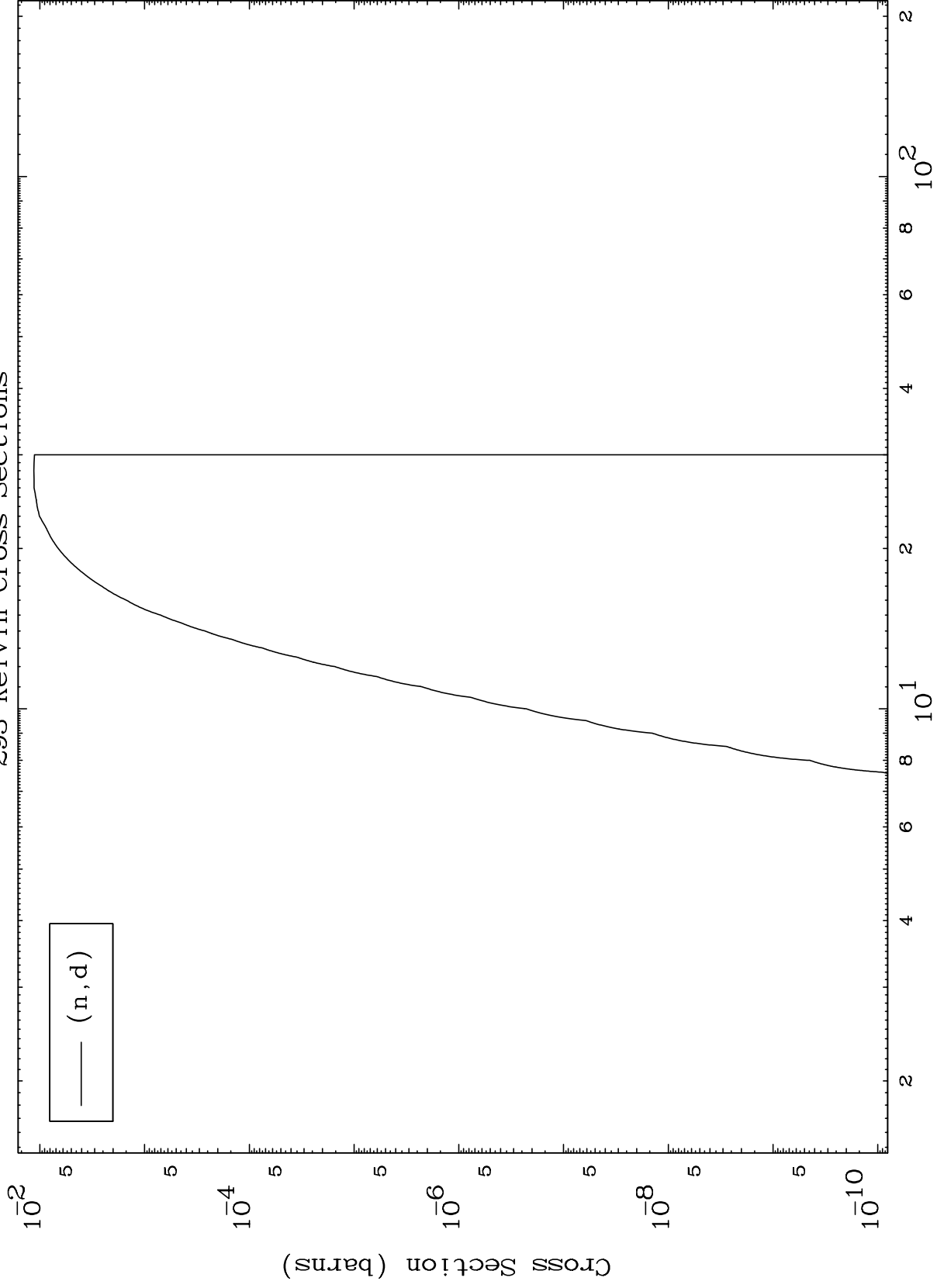
99-Es-250



MAT 9910

(n,d) Levels
293 Kelvin Cross Sections

99-Es-250



12

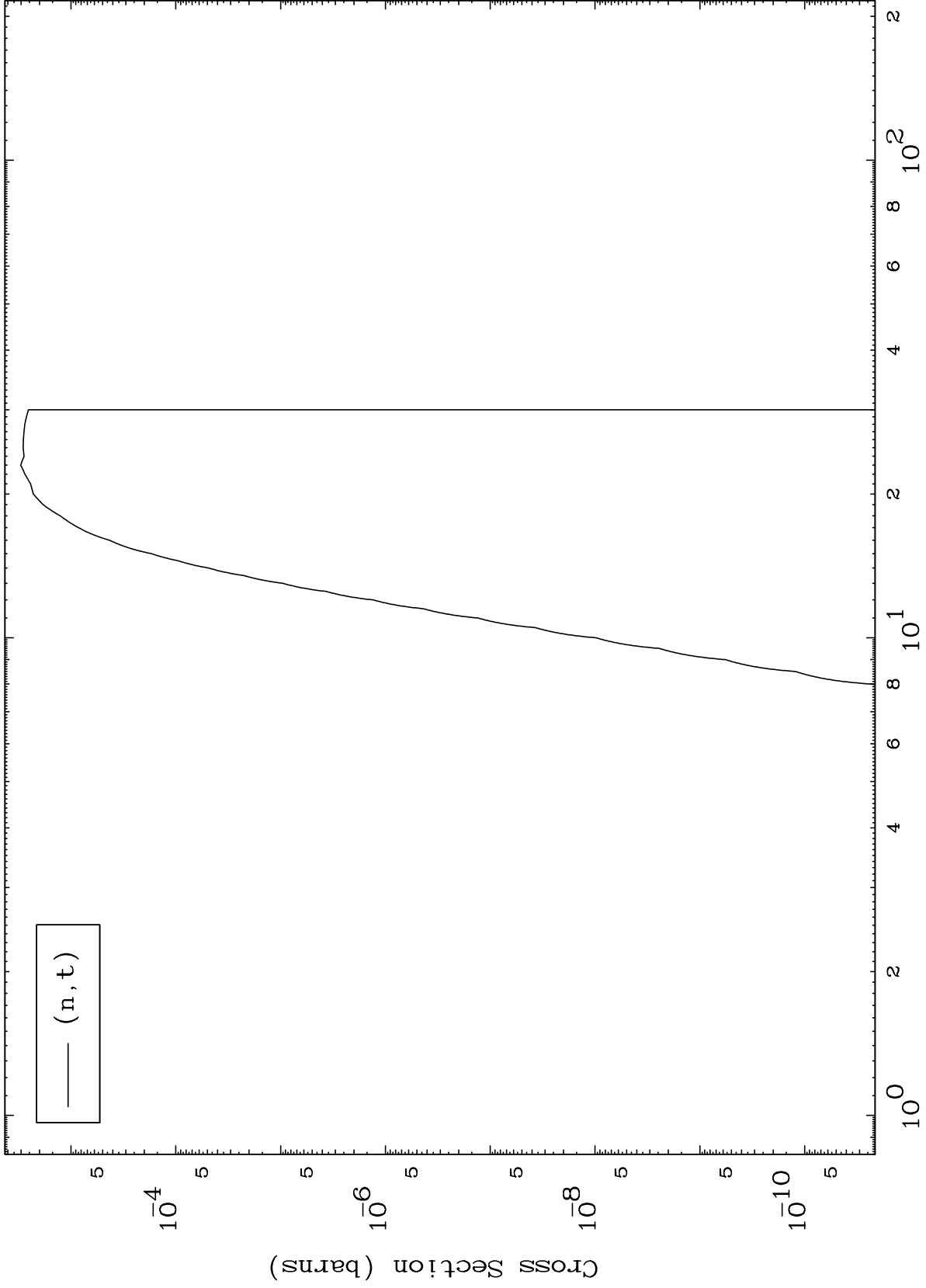
Incident Energy (MeV)

99-Es-250

MAT 9910

(n,t) Levels
293 Kelvin Cross Sections

99-Es-250



13

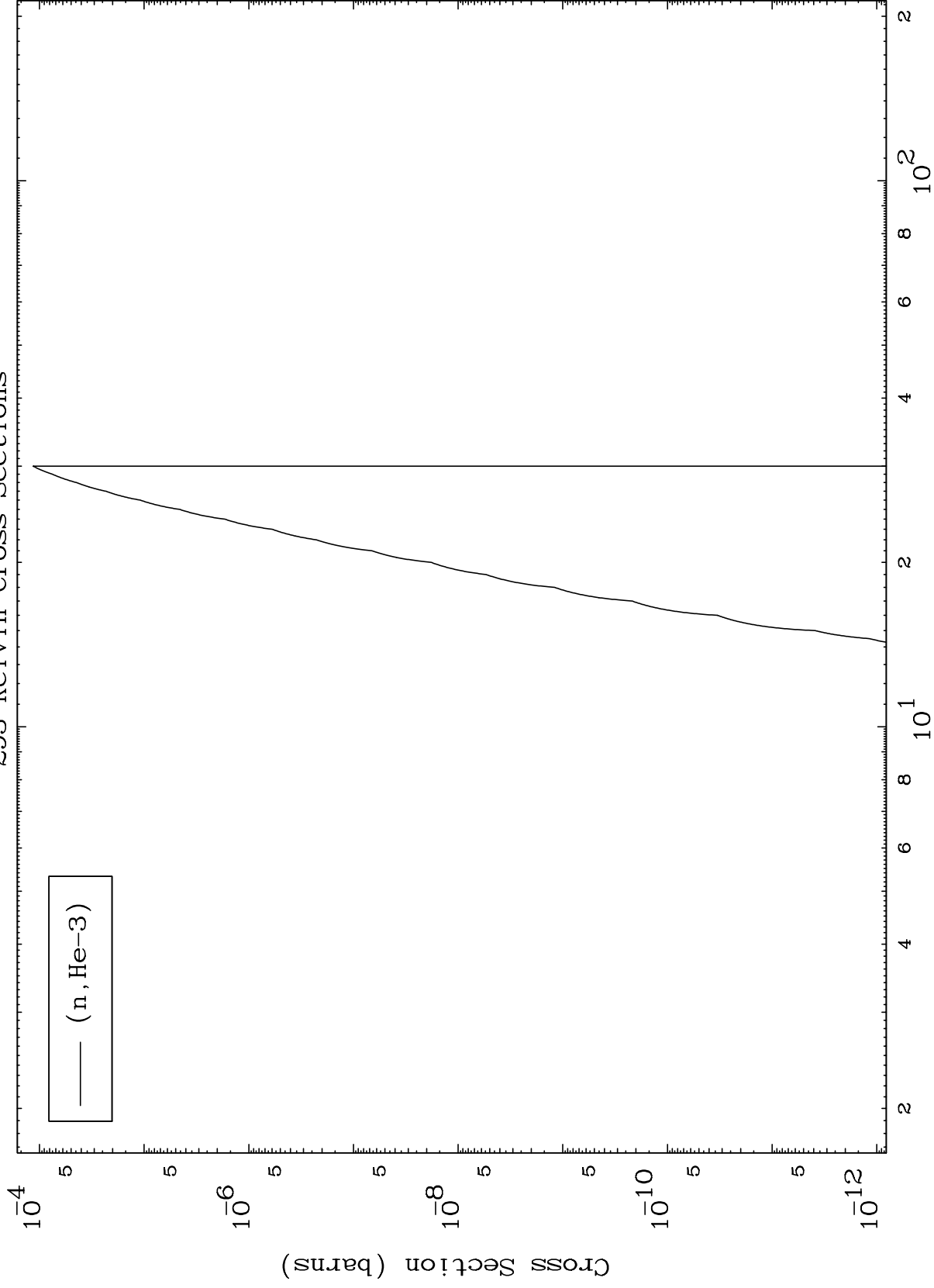
Incident Energy (MeV)

99-Es-250

MAT 9910

(n,He3) Levels
293 Kelvin Cross Sections

99-Es-250



14

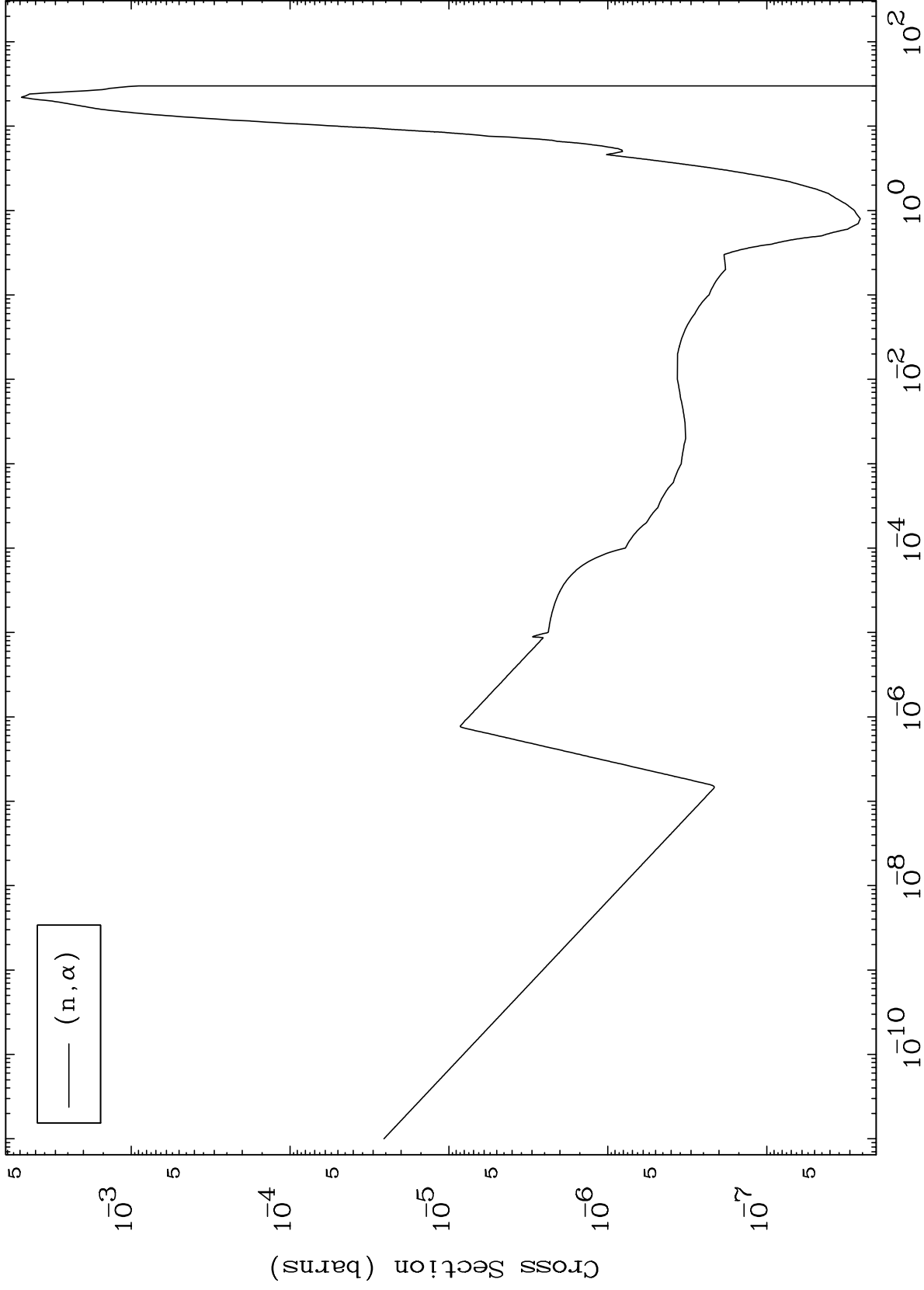
Incident Energy (MeV)

99-Es-250

MAT 9910

(n, α) Levels
293 Kelvin Cross Sections

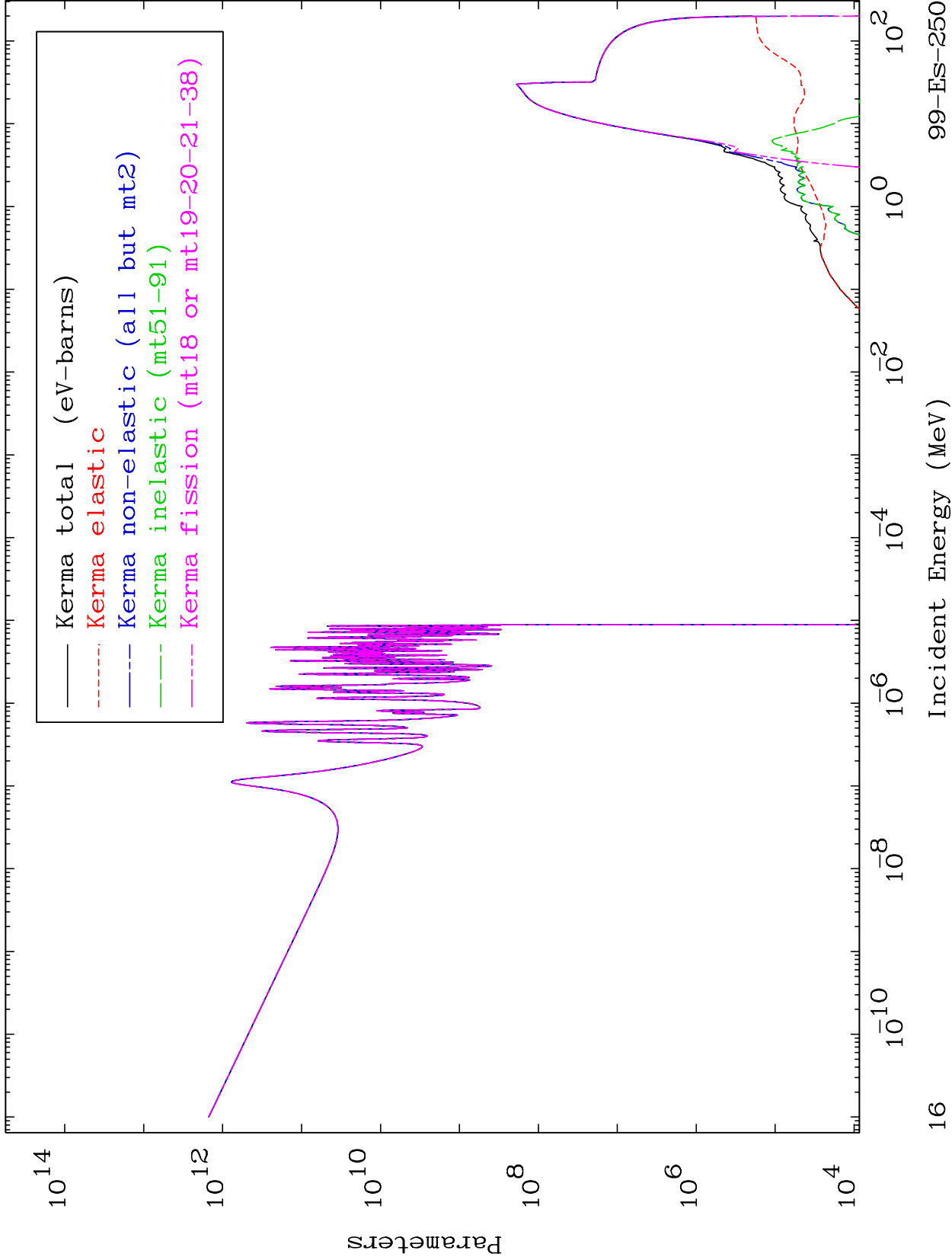
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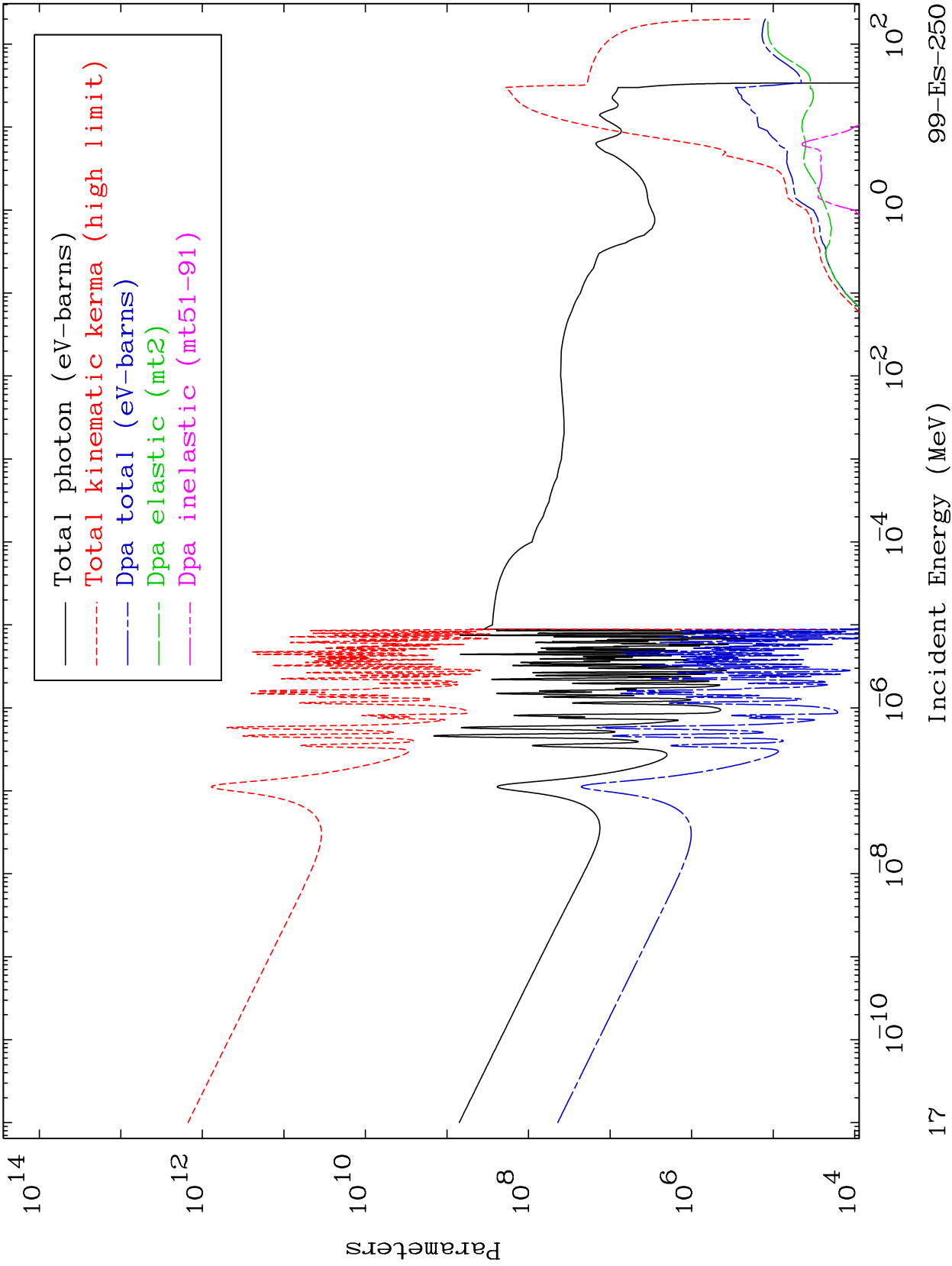


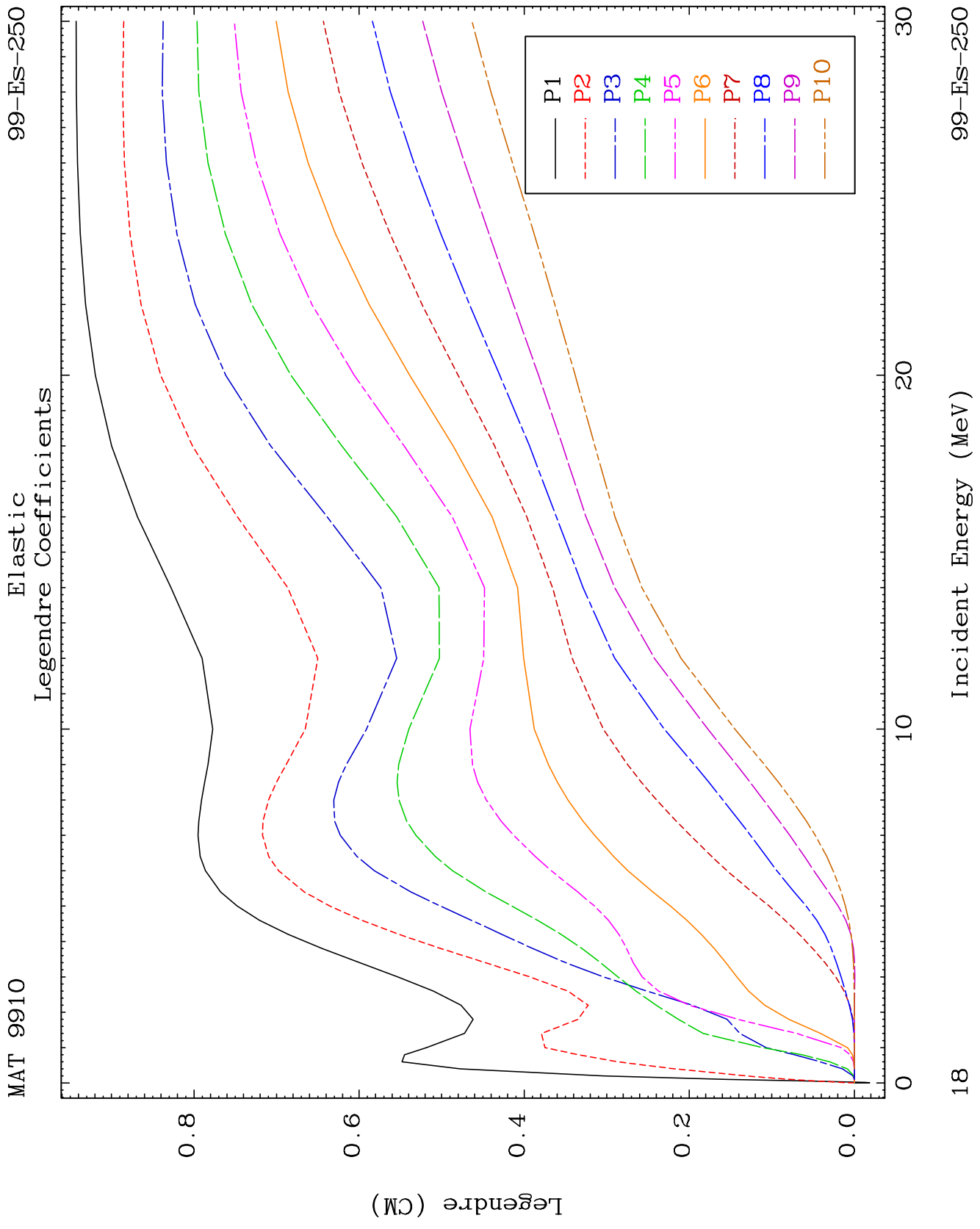
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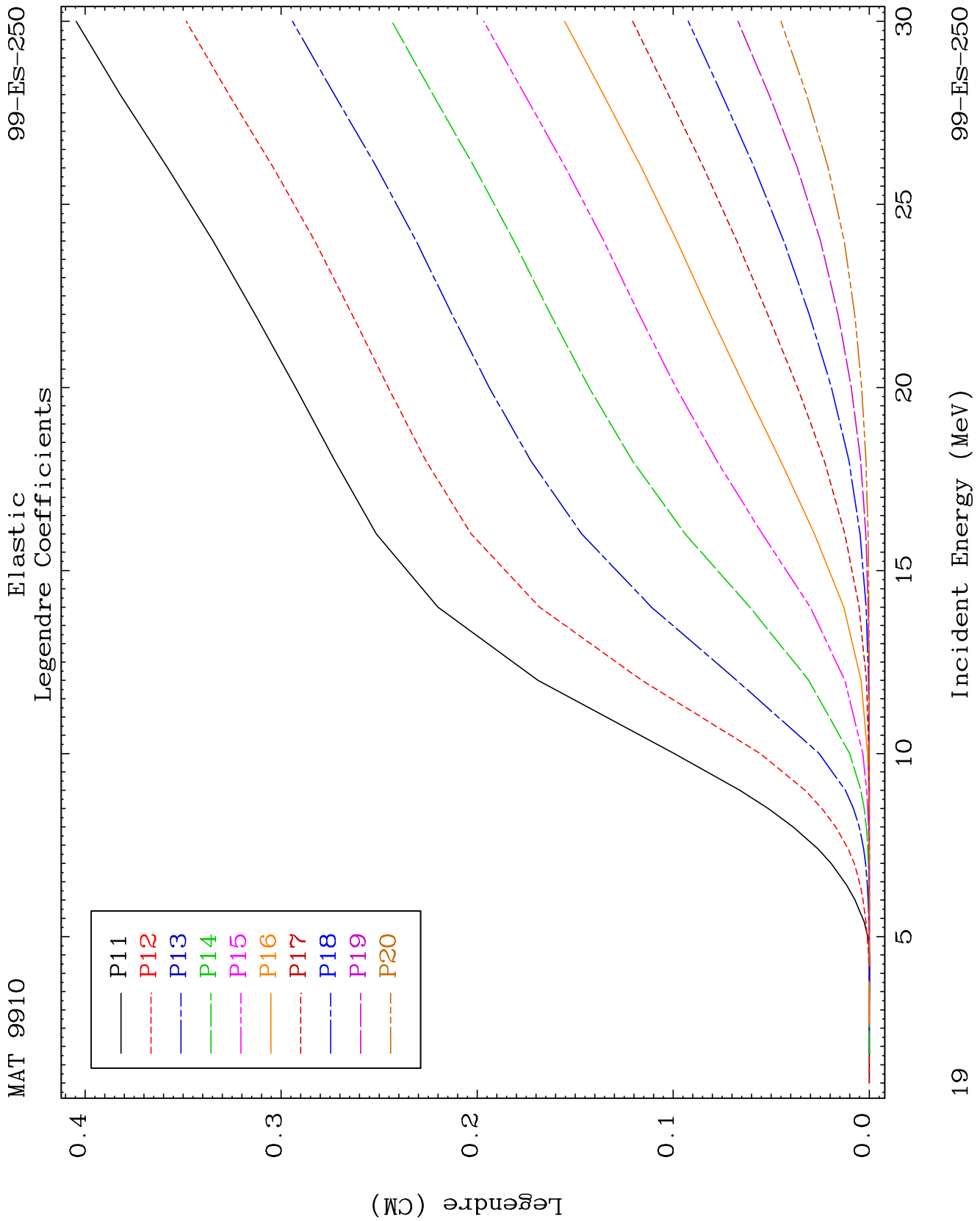
Incident Energy (MeV)

99-Es-250





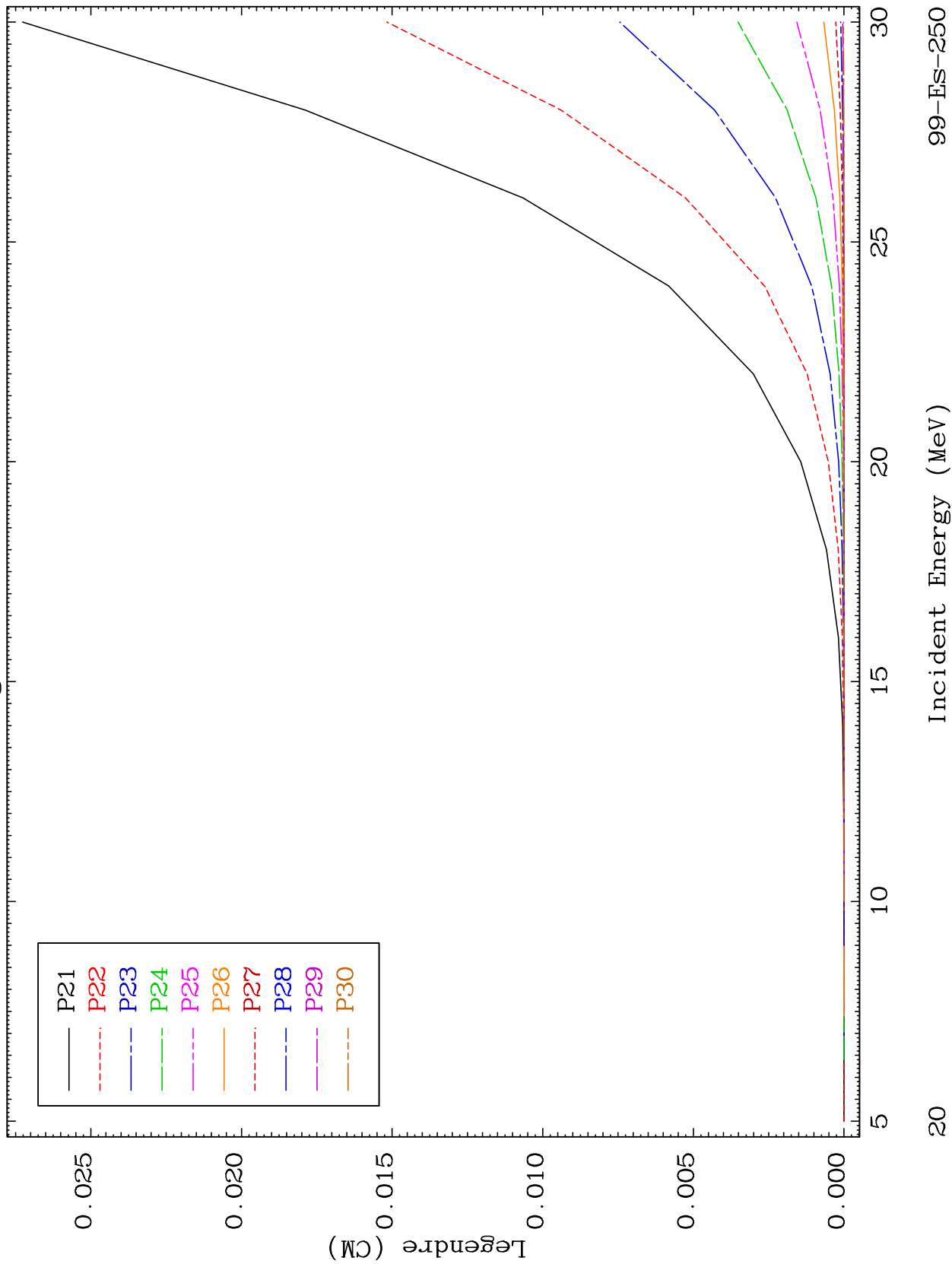




MAT 9910

Elastic Legendre Coefficients

99-Es-250



99-Es-250

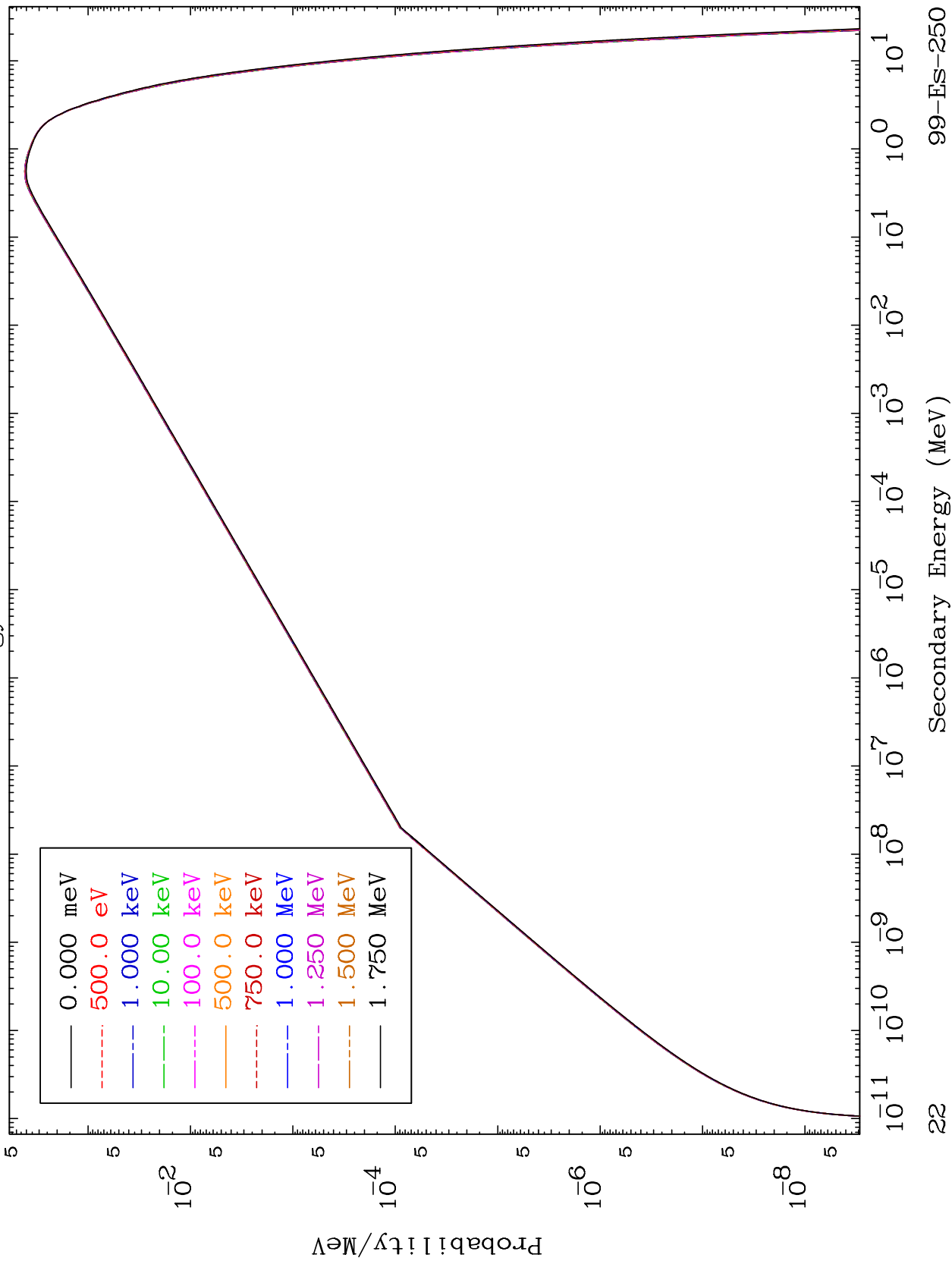
Incident Energy (MeV)

- P21
- P22
- P23
- P24
- P25
- P26
- P27
- P28
- P29
- P30

MAT 9910

Fission Energy Distribution

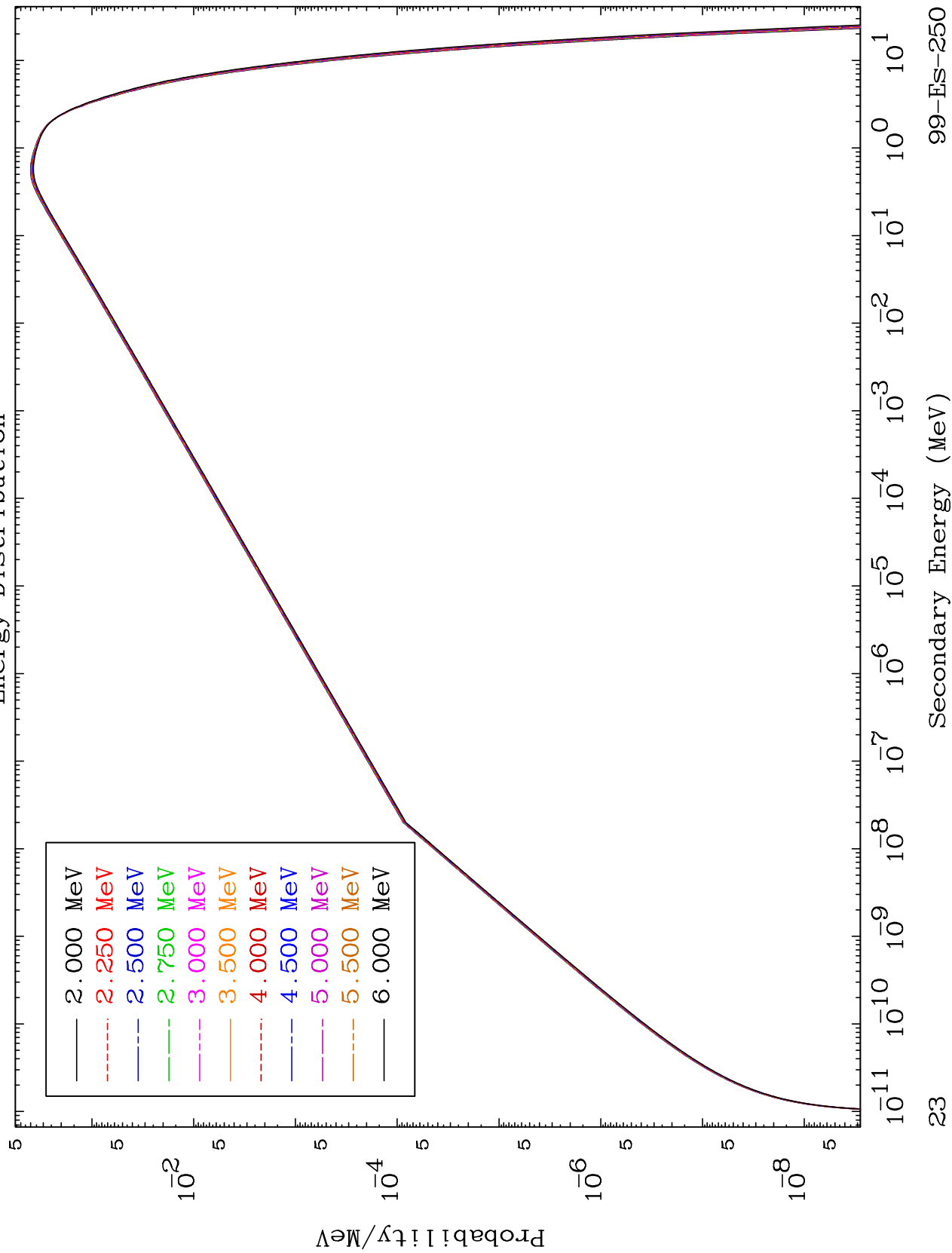
99-Es-250



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Fission Energy Distribution

99-Es-250



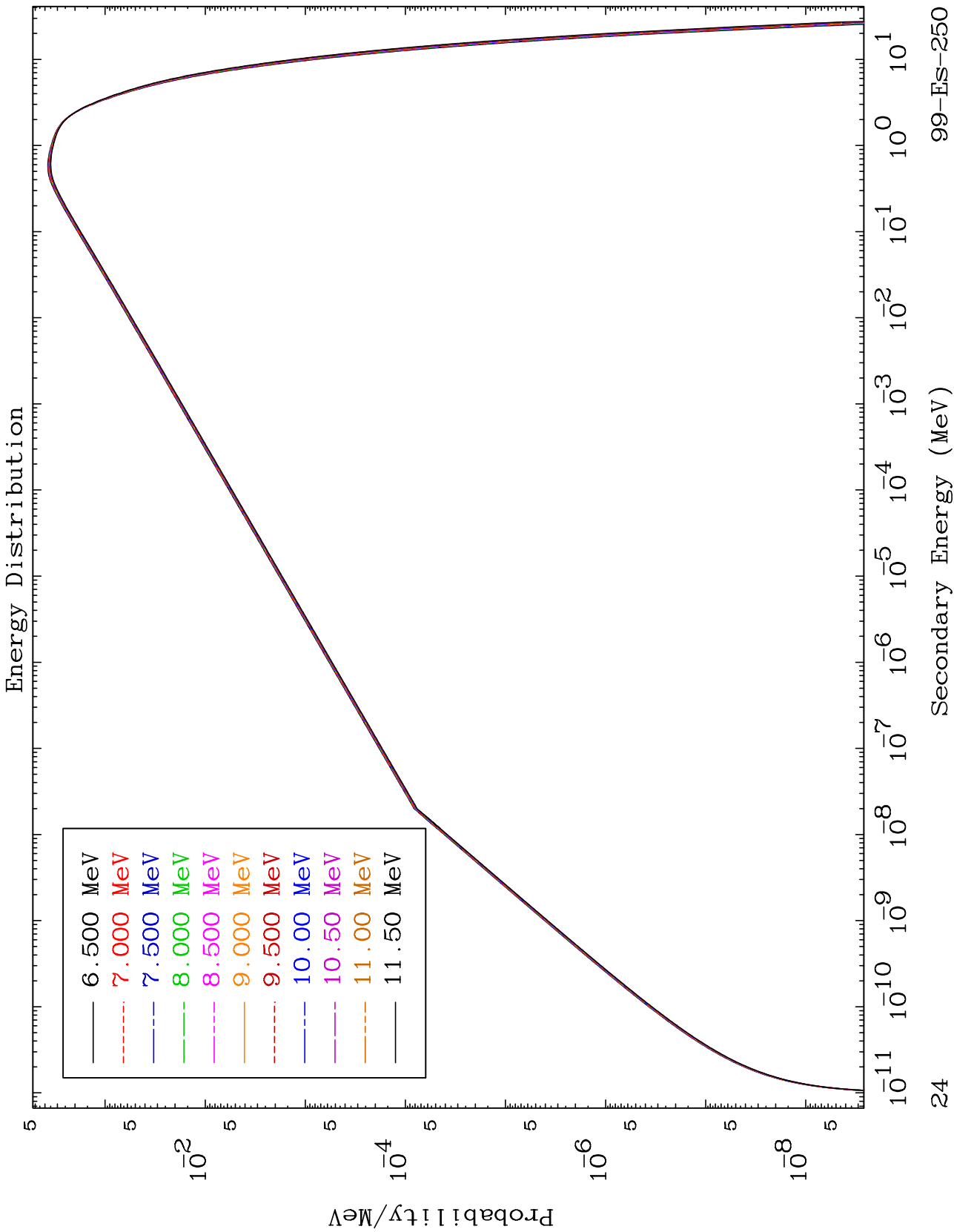
99-Es-250

Secondary Energy (MeV)

MAT 9910

Fission

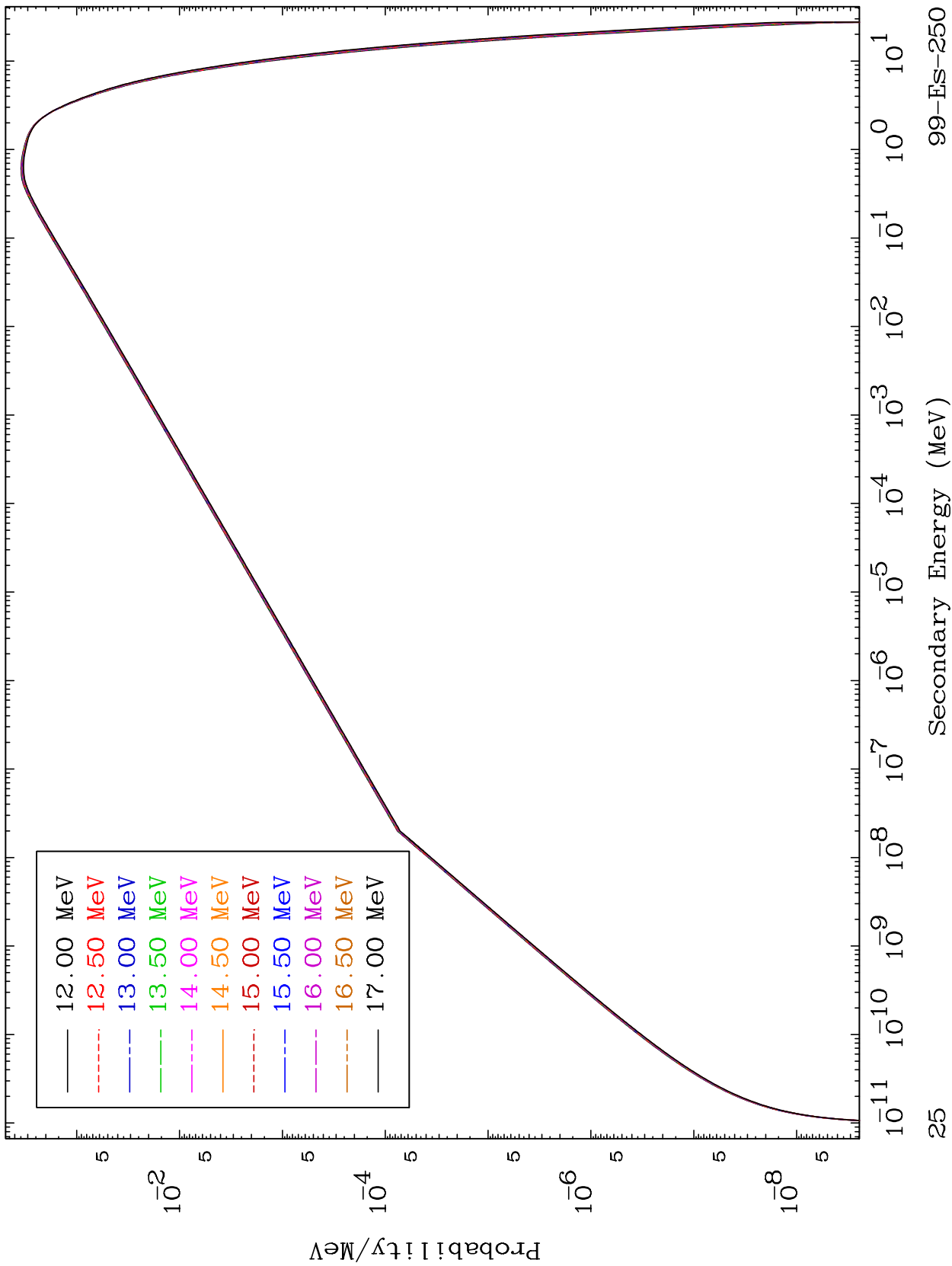
99-Es-250



MAT 9910

Fission Energy Distribution

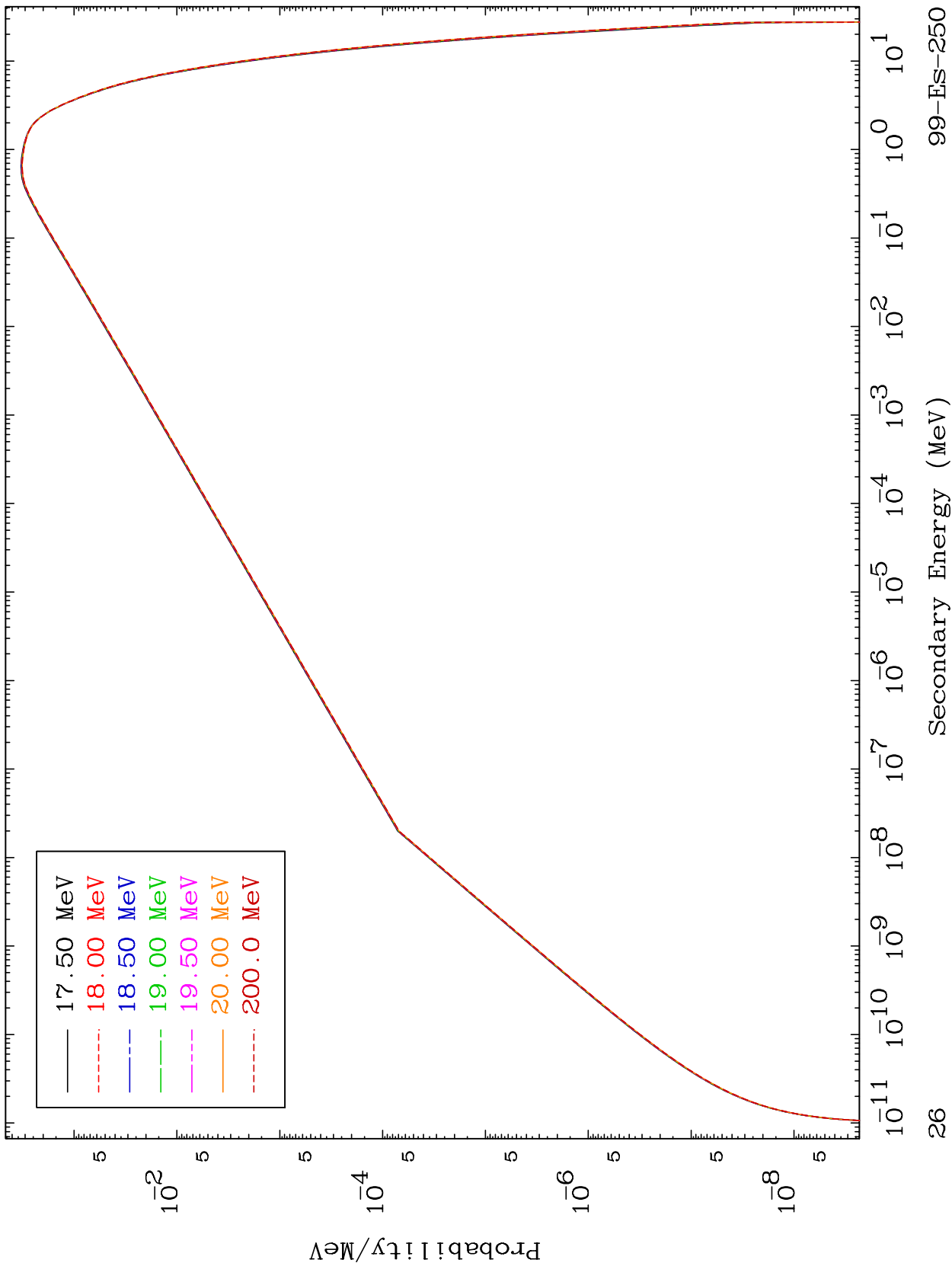
99-Es-250



MAT 9910

Fission Energy Distribution

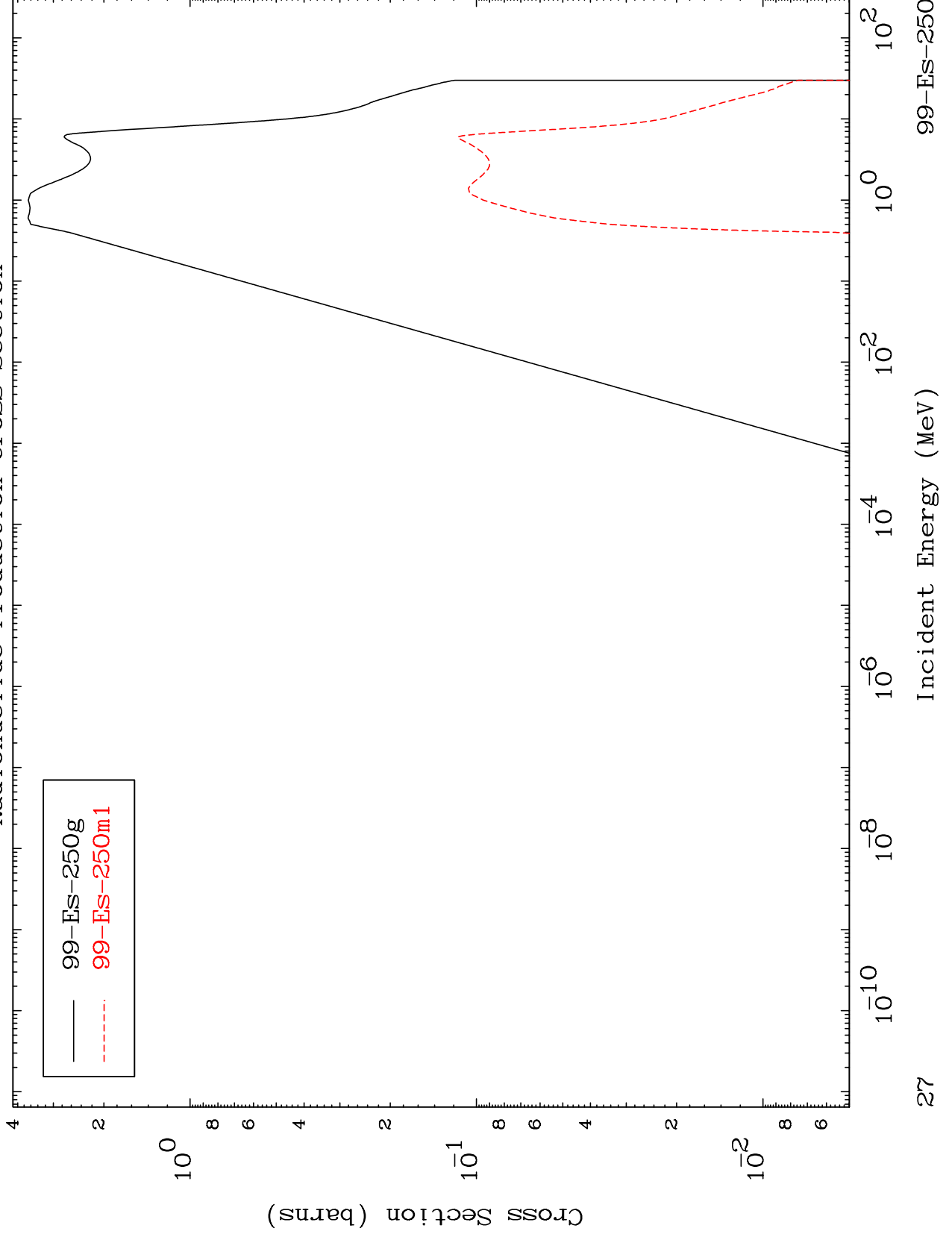
99-Es-250



MAT 9910

Inelastic
Radionuclide Production Cross Section

99-Es-250

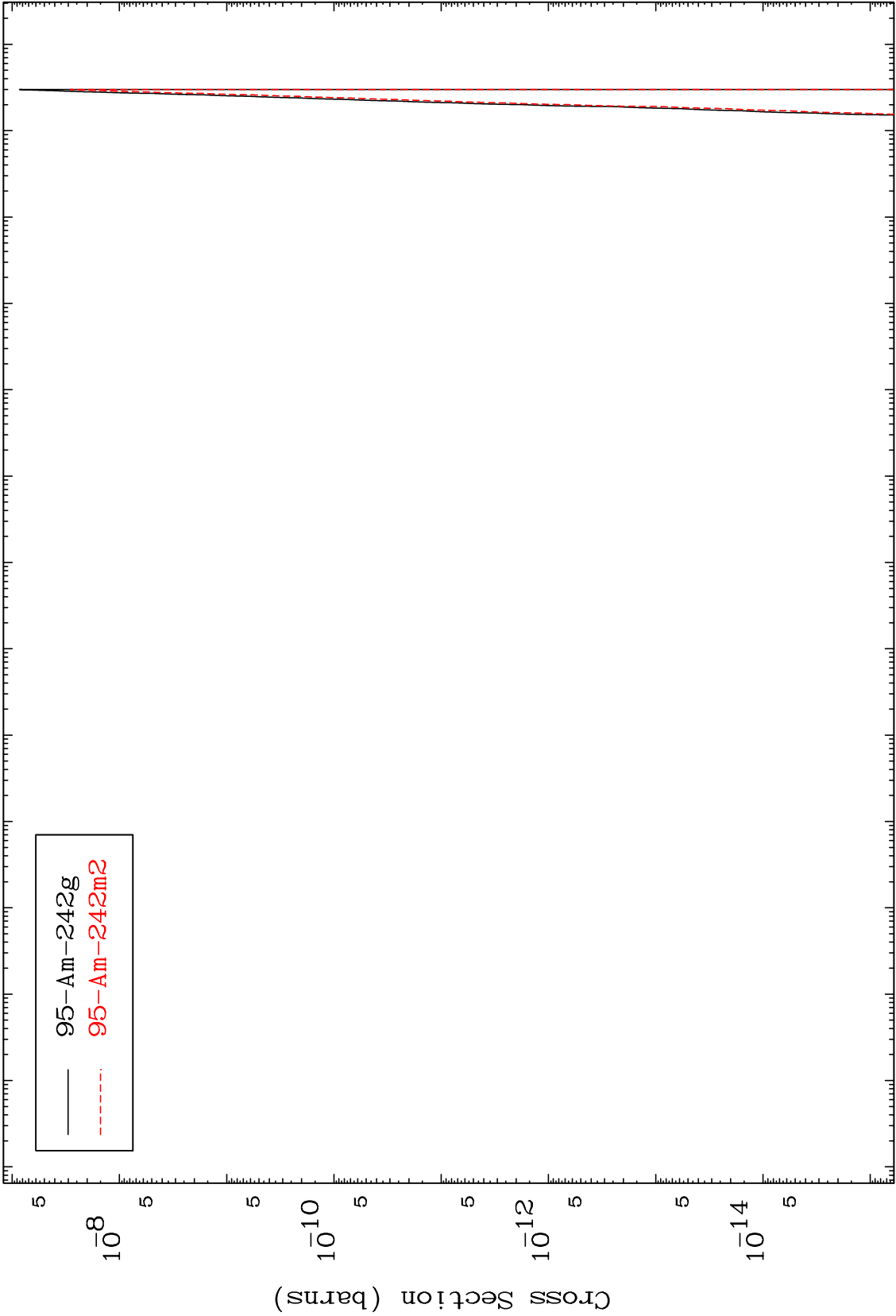


MAT 9910

(n,n') 2α

99-Es-250

Radionuclide Production Cross Section



99-Es-250

10⁰

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

10⁻¹⁴

Incident Energy (MeV)

99-Es-250

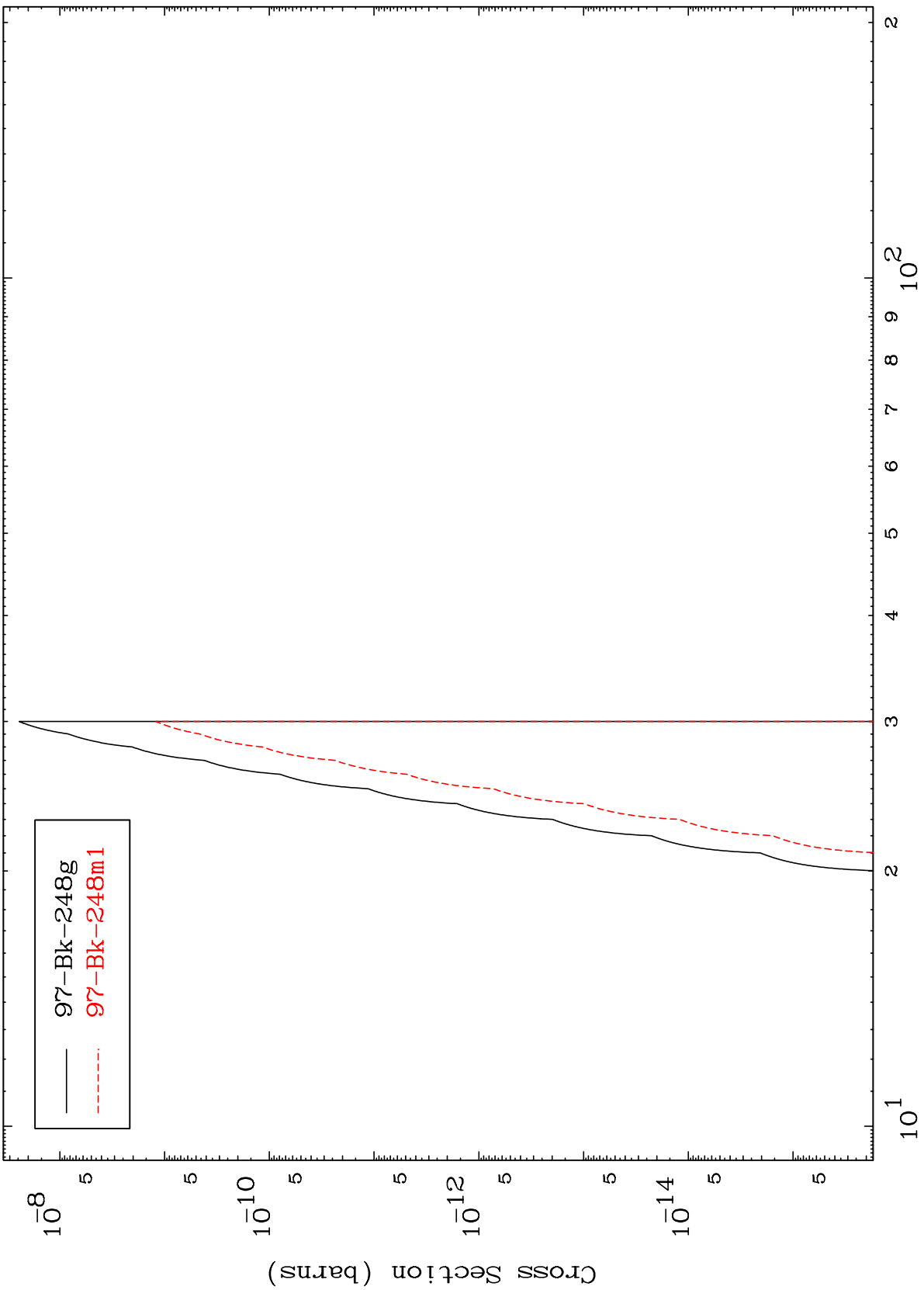
28

MAT 9910

(n,2n) p

99-Es-250

Radionuclide Production Cross Section



97-Bk-248g
97-Bk-248m1

29

Incident Energy (MeV)

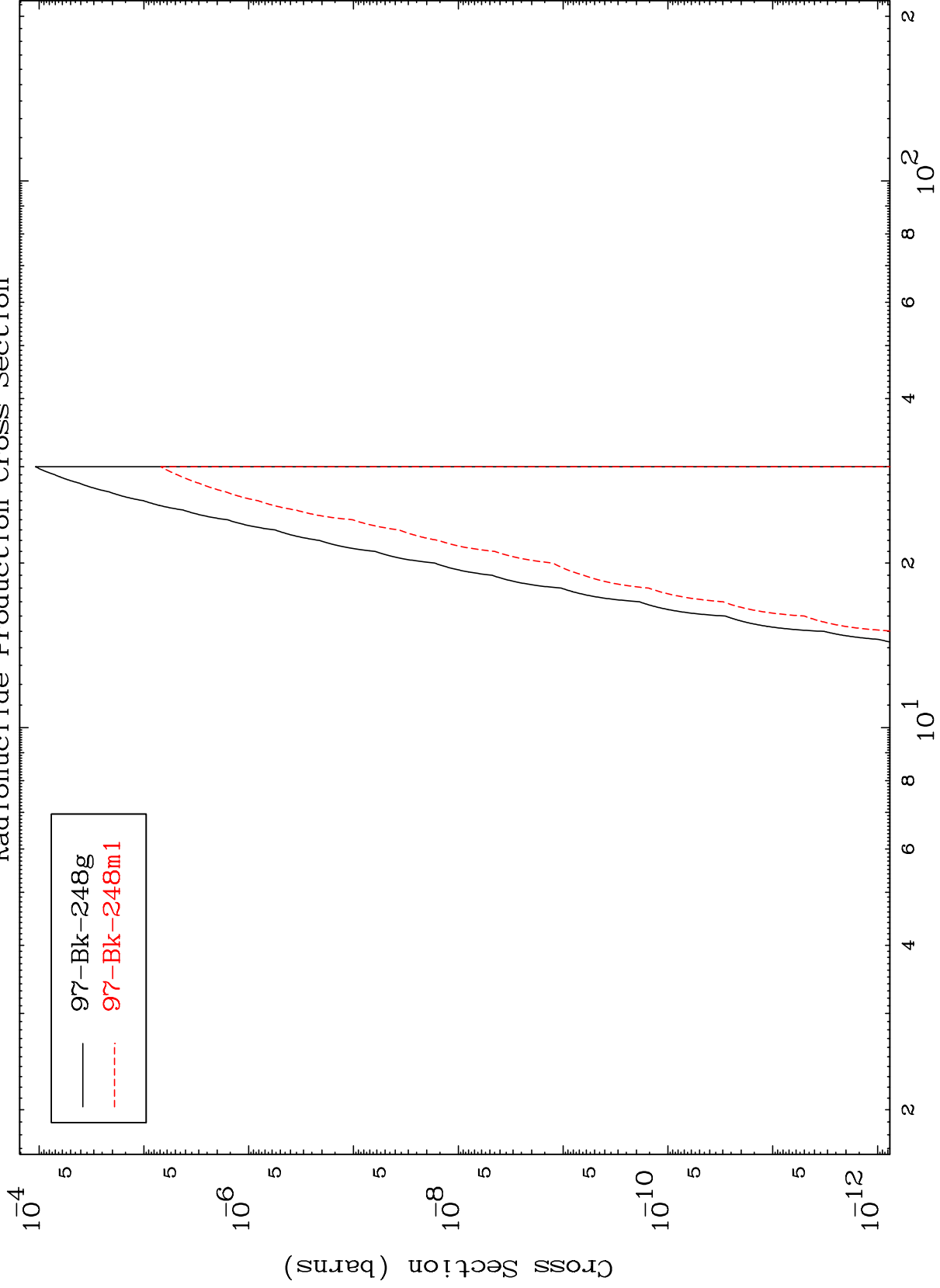
99-Es-250

MAT 9910

(n,He-3)

99-Es-250

Radionuclide Production Cross Section



30

Incident Energy (MeV)

99-Es-250