

Program EVALPLOT
(Version 2018-1)

by

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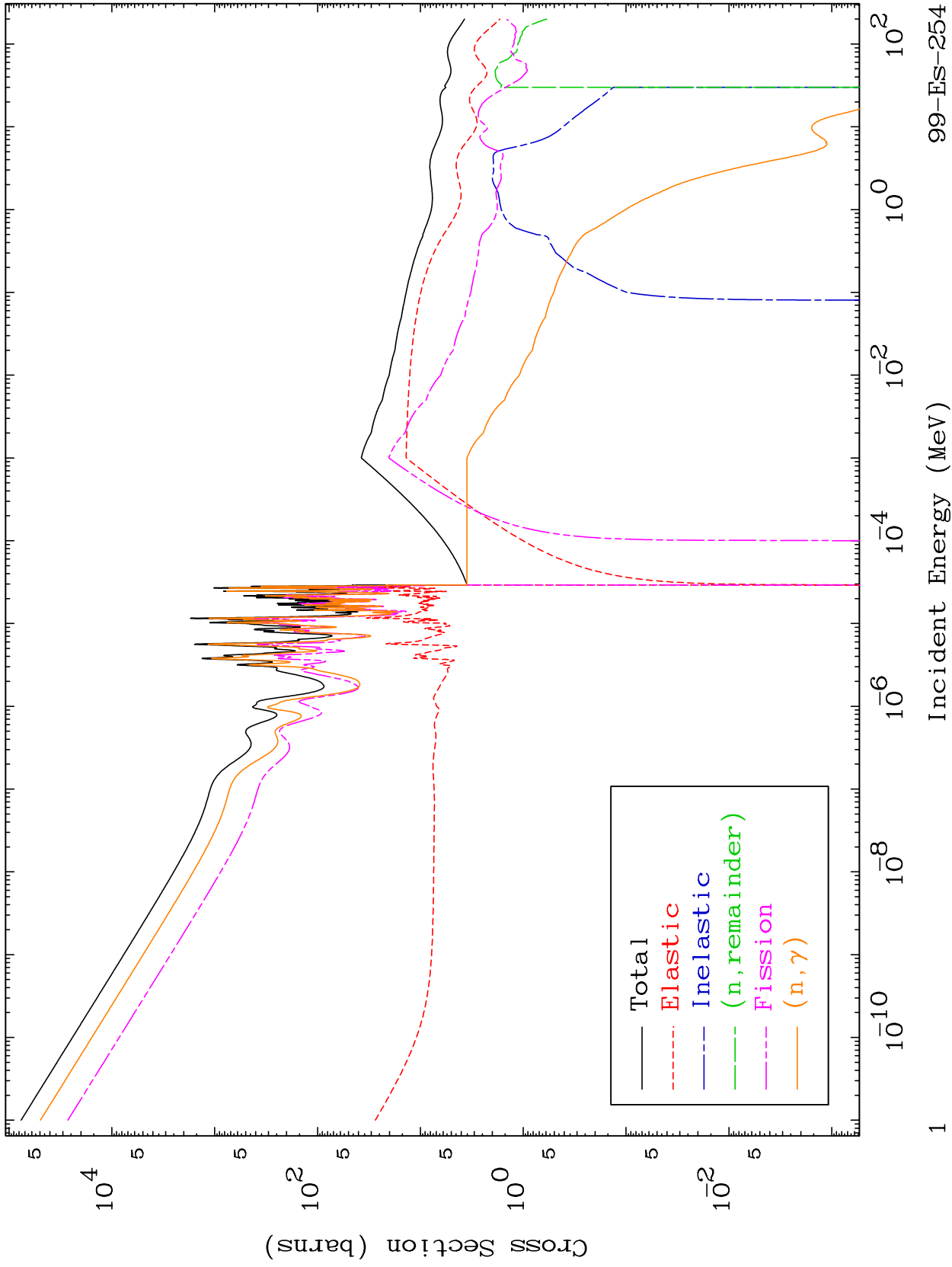
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9914

Major
293 Kelvin Cross Sections

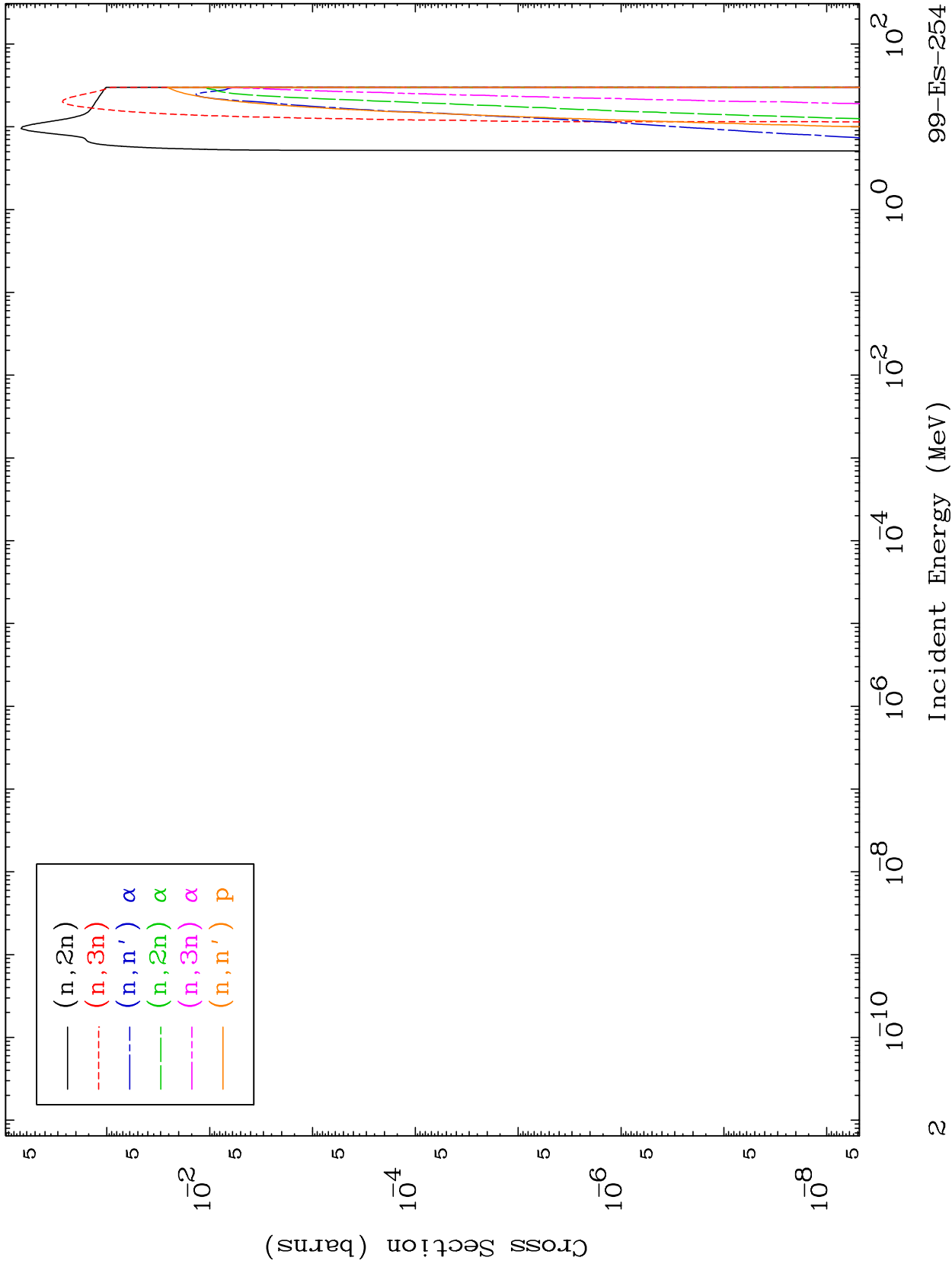
99-Es-254

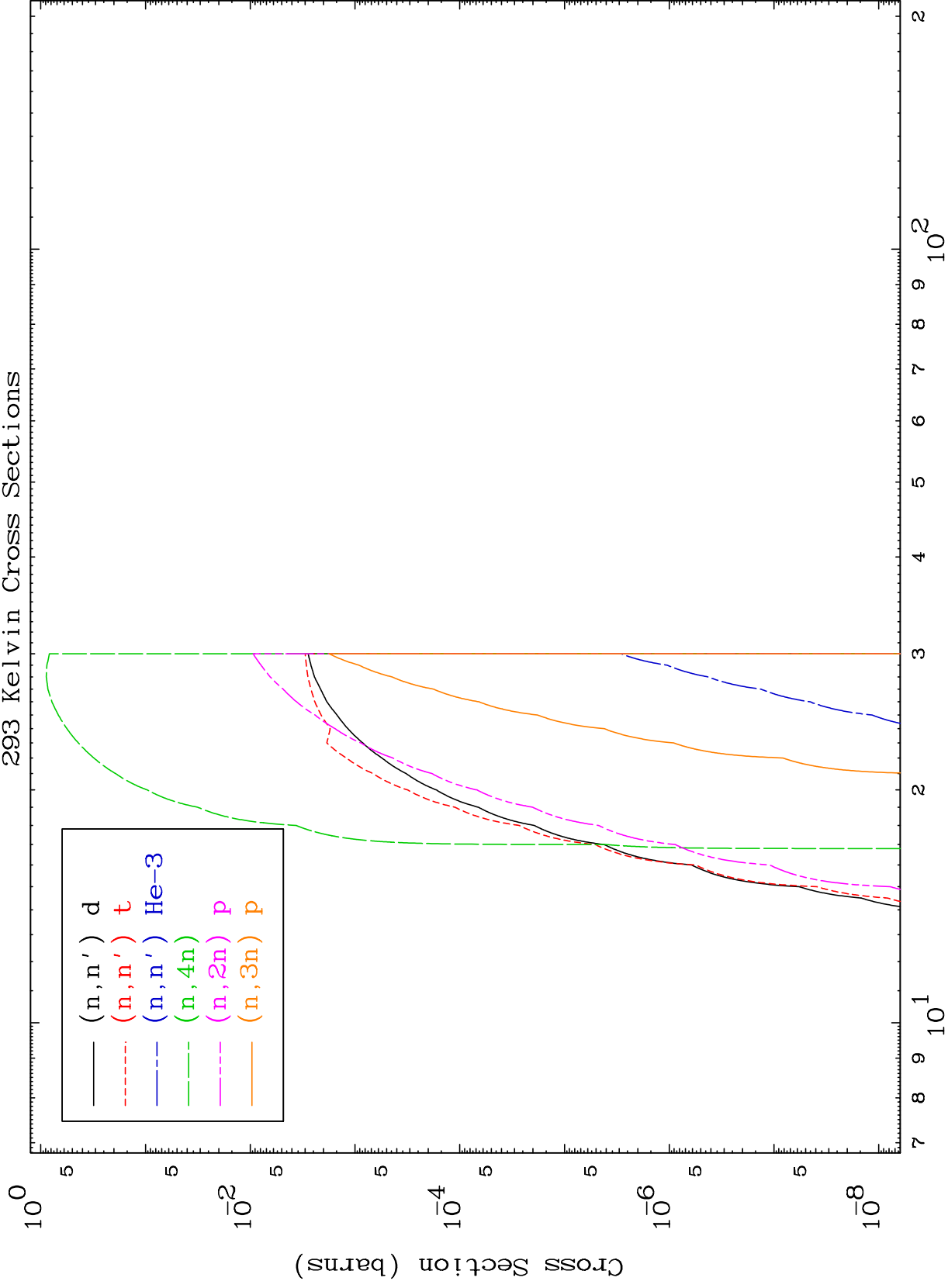


MAT 9914

Neutron Production
293 Kelvin Cross Sections

99-Es-254

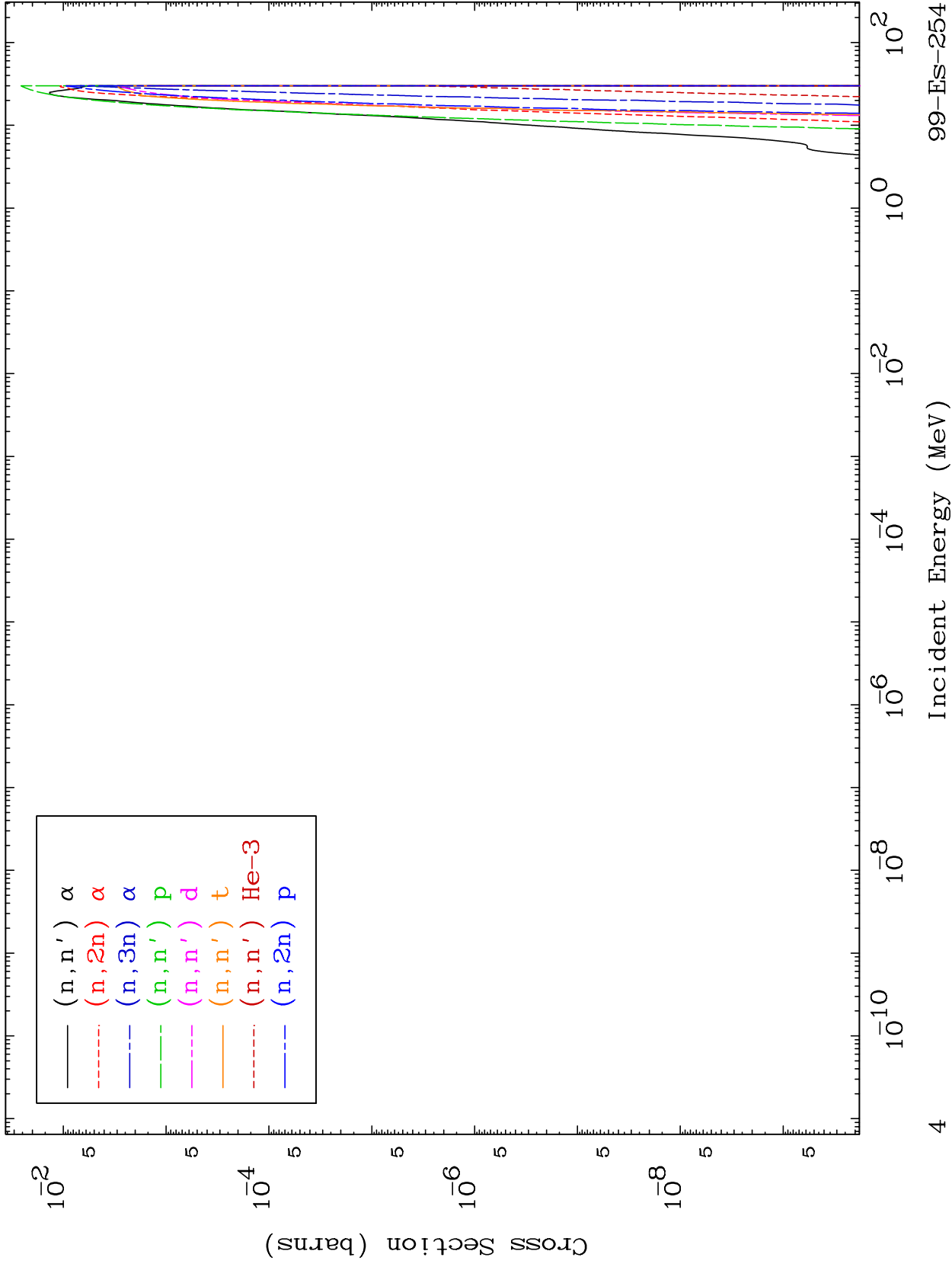




MAT 9914

Charged Particle
293 Kelvin Cross Sections

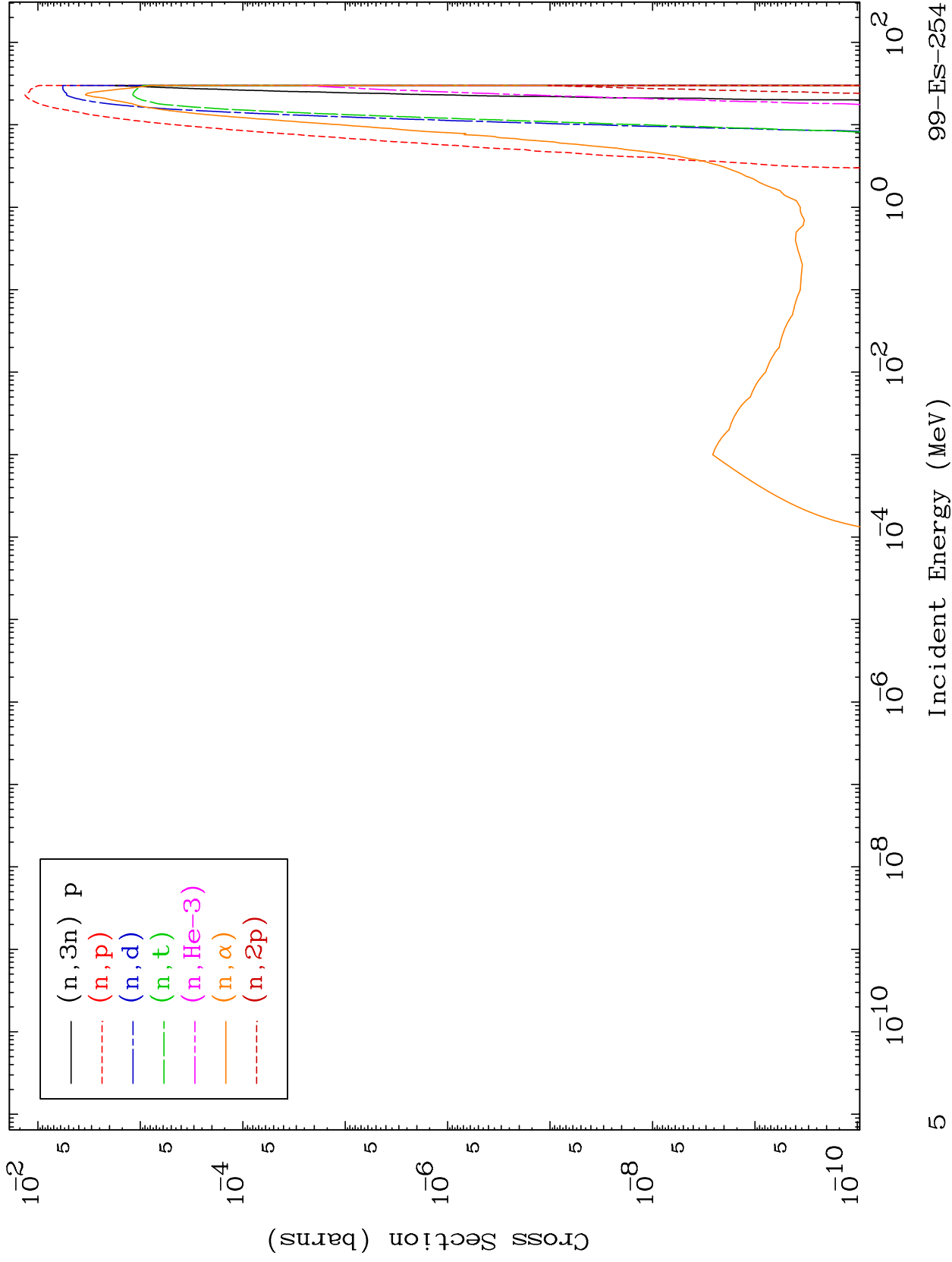
99-Es-254



MAT 9914

Charged Particle
293 Kelvin Cross Sections

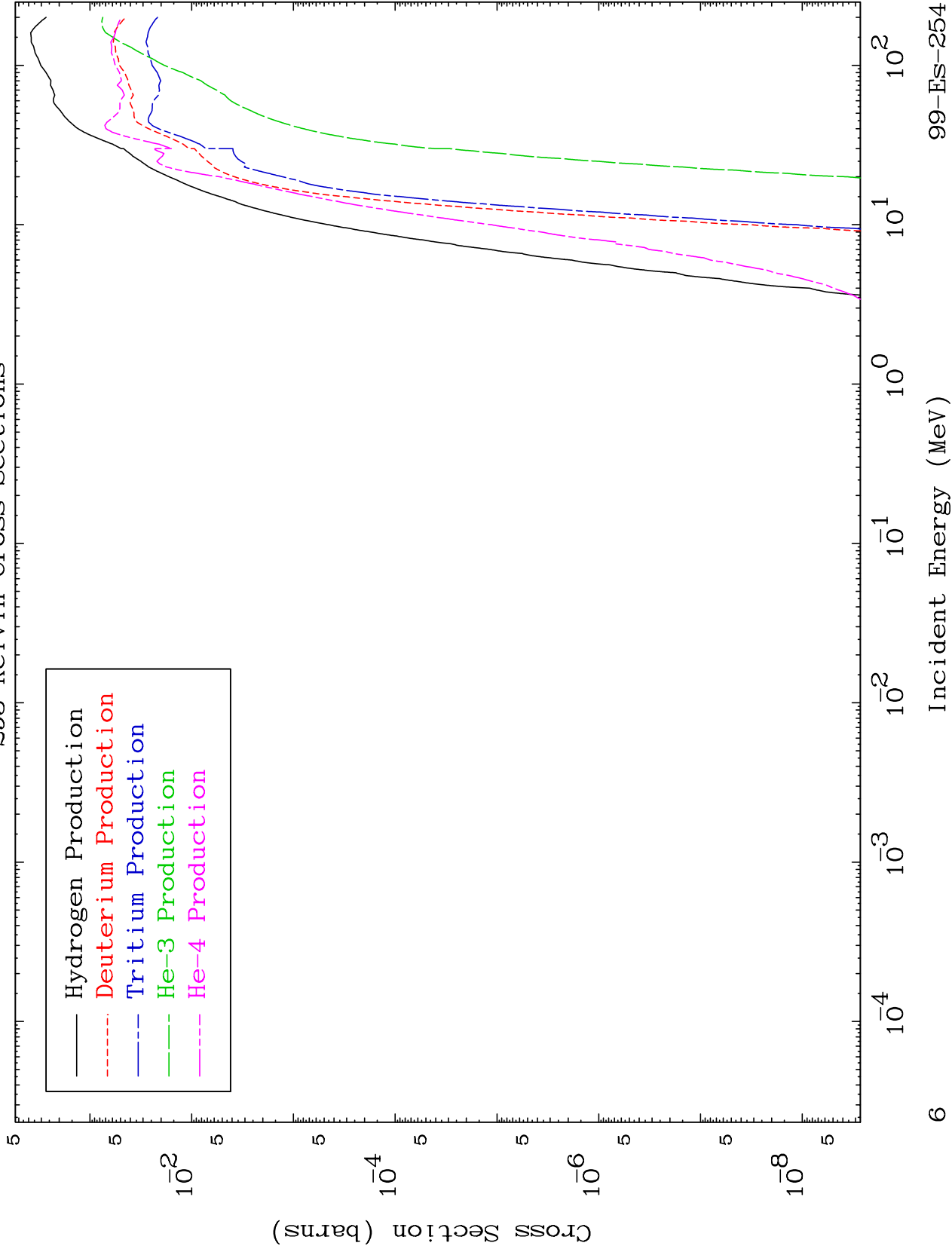
99-Es-254



MAT 9914

Particle Production
293 Kelvin Cross Sections

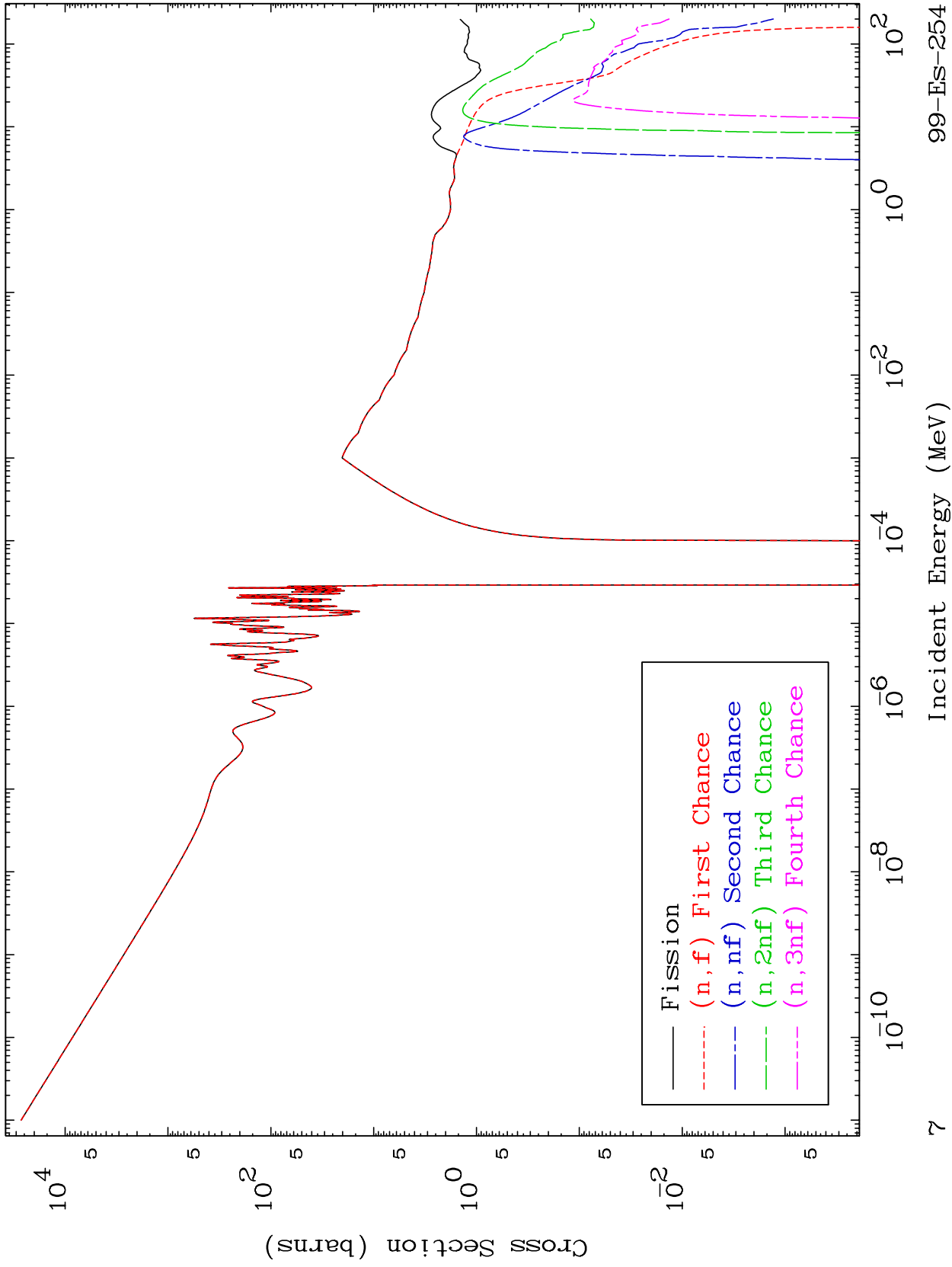
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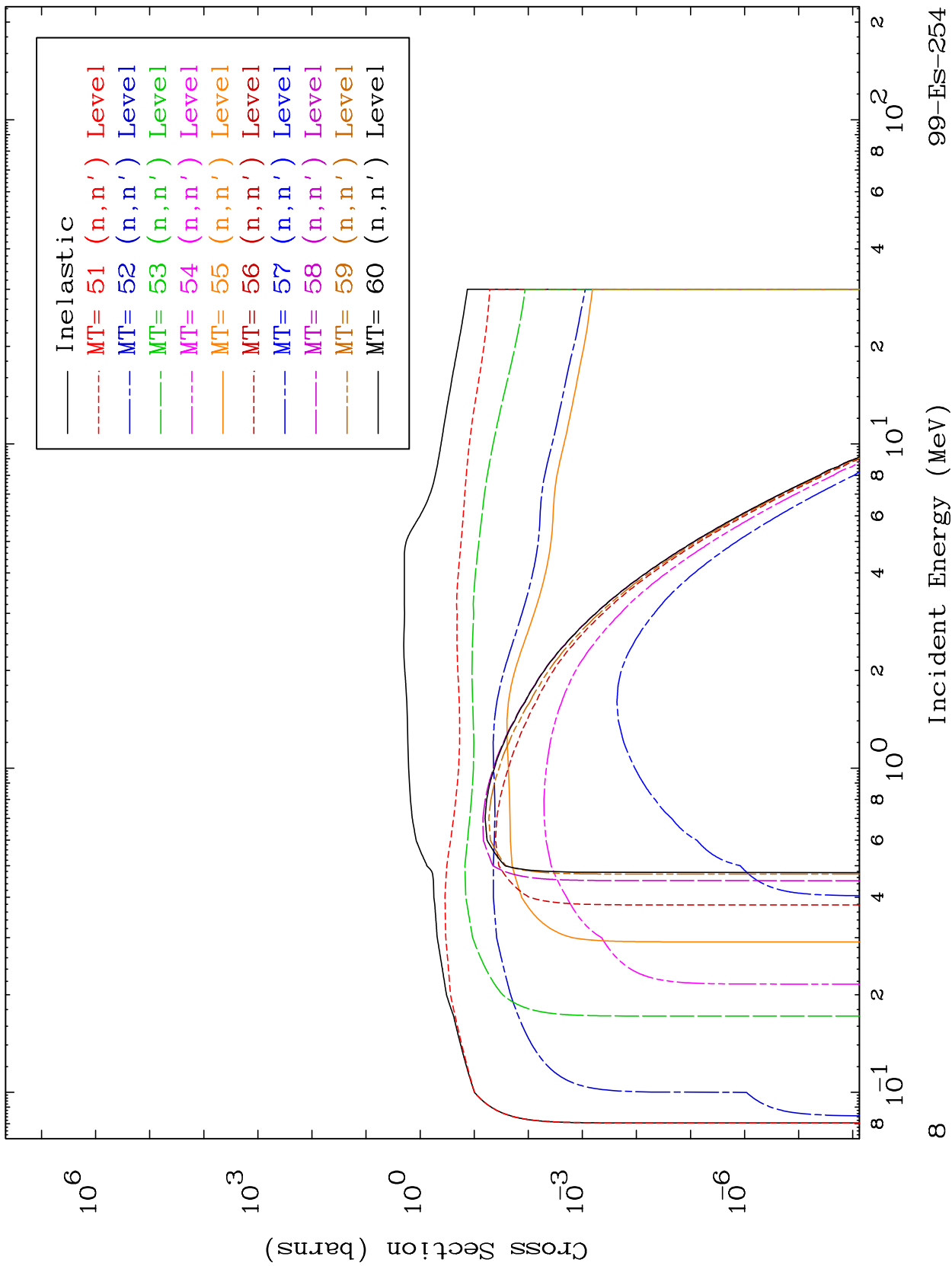
MAT 9914

Fission
293 Kelvin Cross Sections

99-Es-254



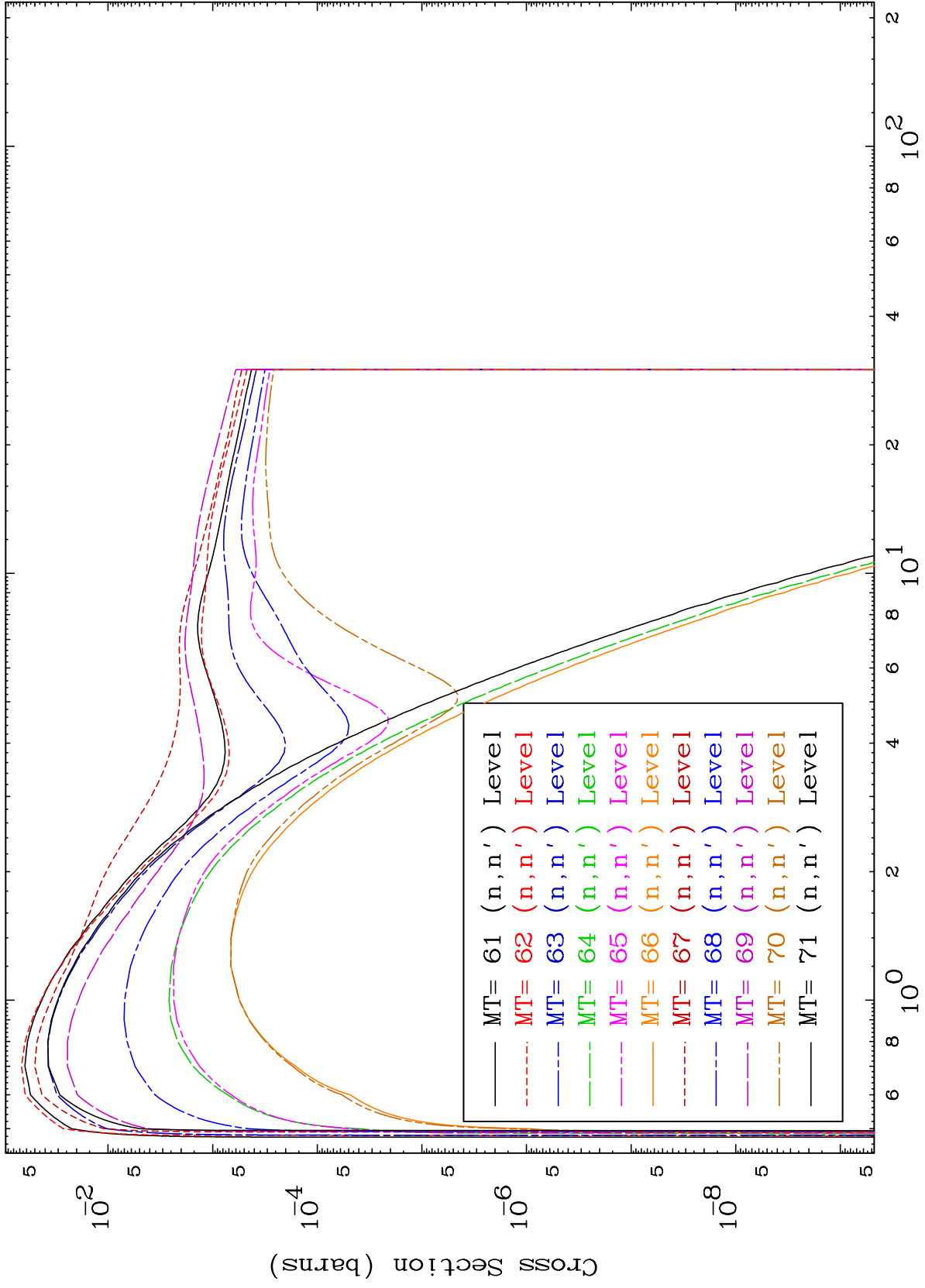
293 Kelvin Cross Sections



MAT 9914

(n,n') Level
293 Kelvin Cross Sections

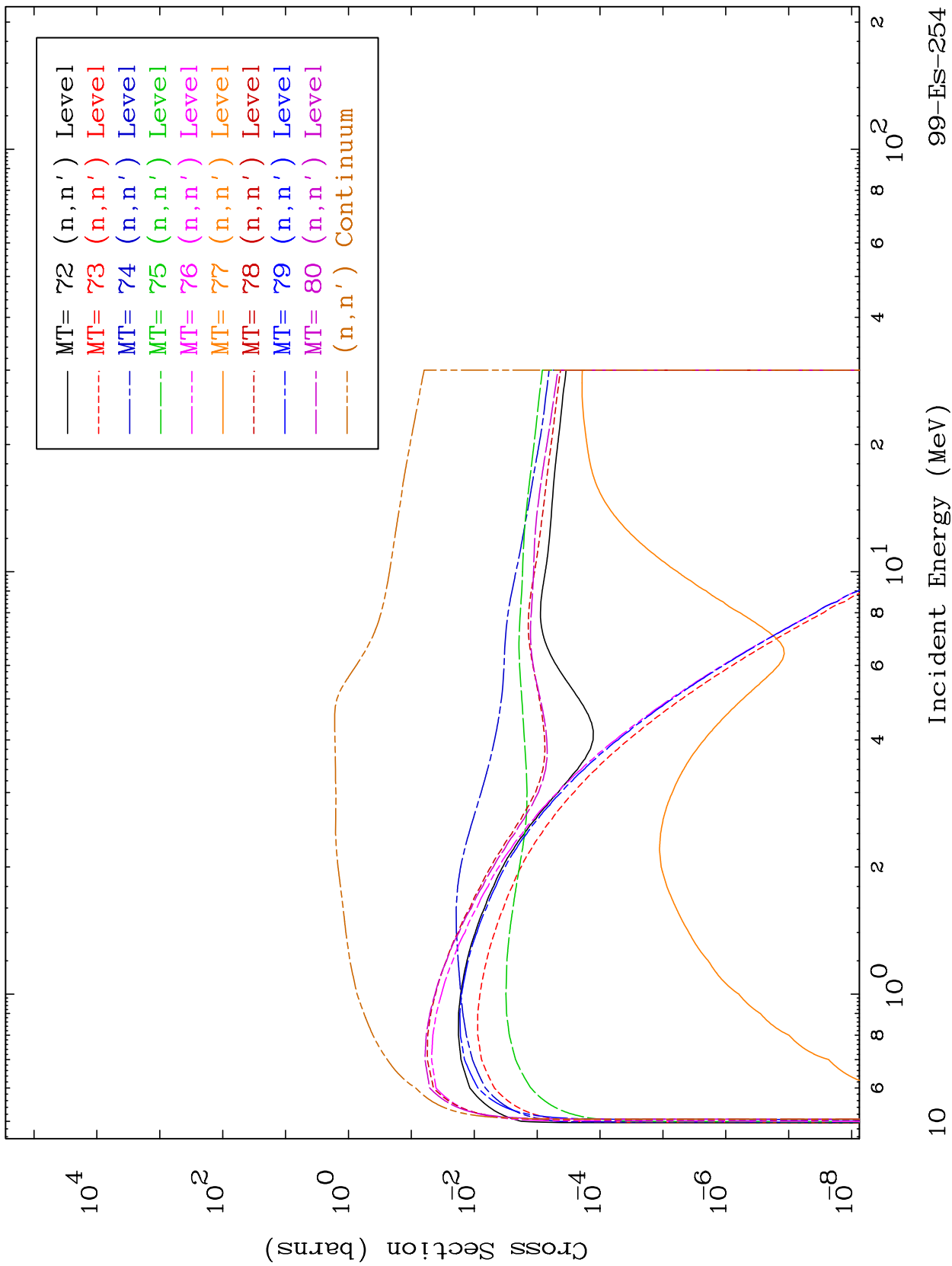
99-Es-254



MAT 9914

(n,n') Level
293 Kelvin Cross Sections

99-Es-254



99-Es-254

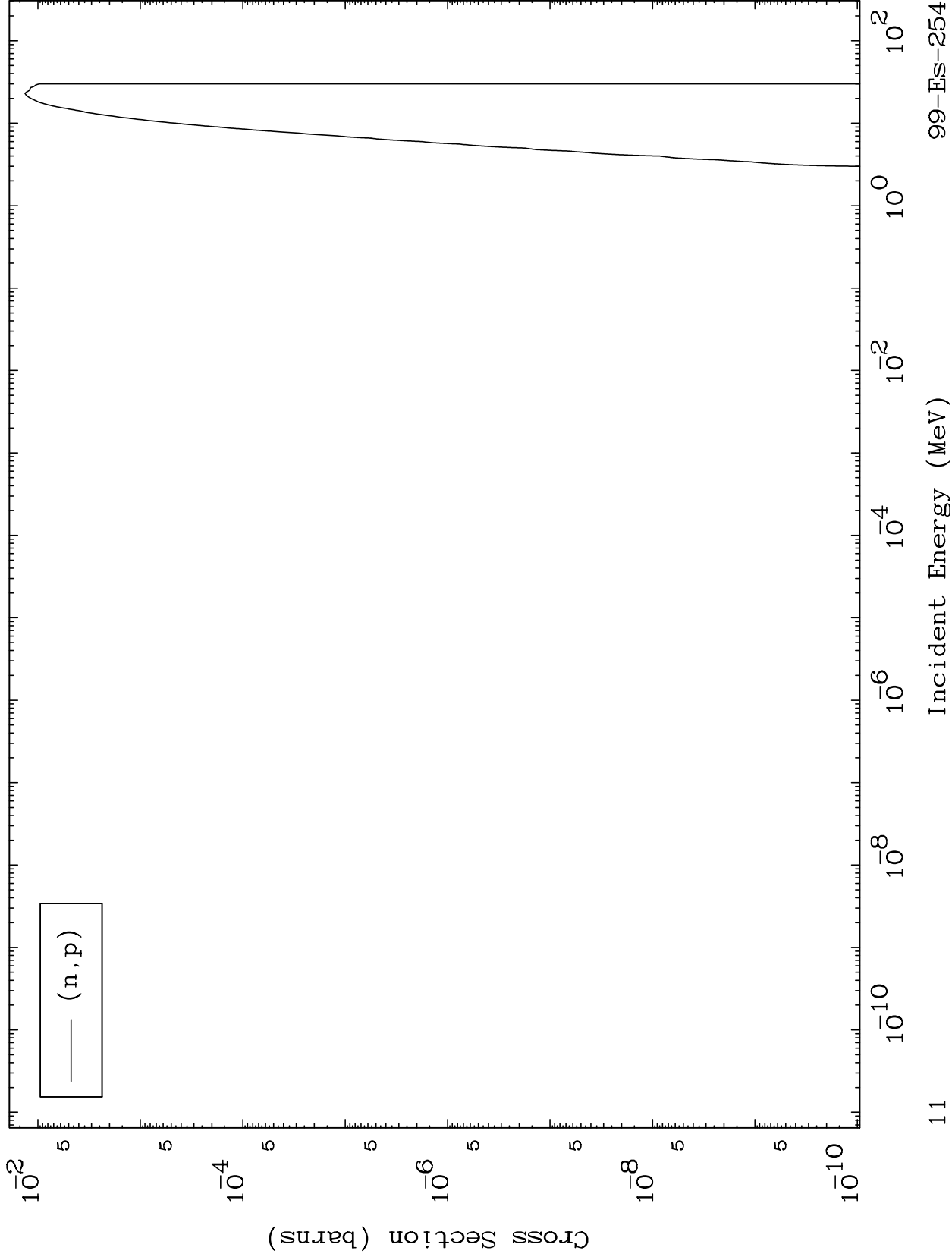
Incident Energy (MeV)

10

MAT 9914

(n,p) Levels
293 Kelvin Cross Sections

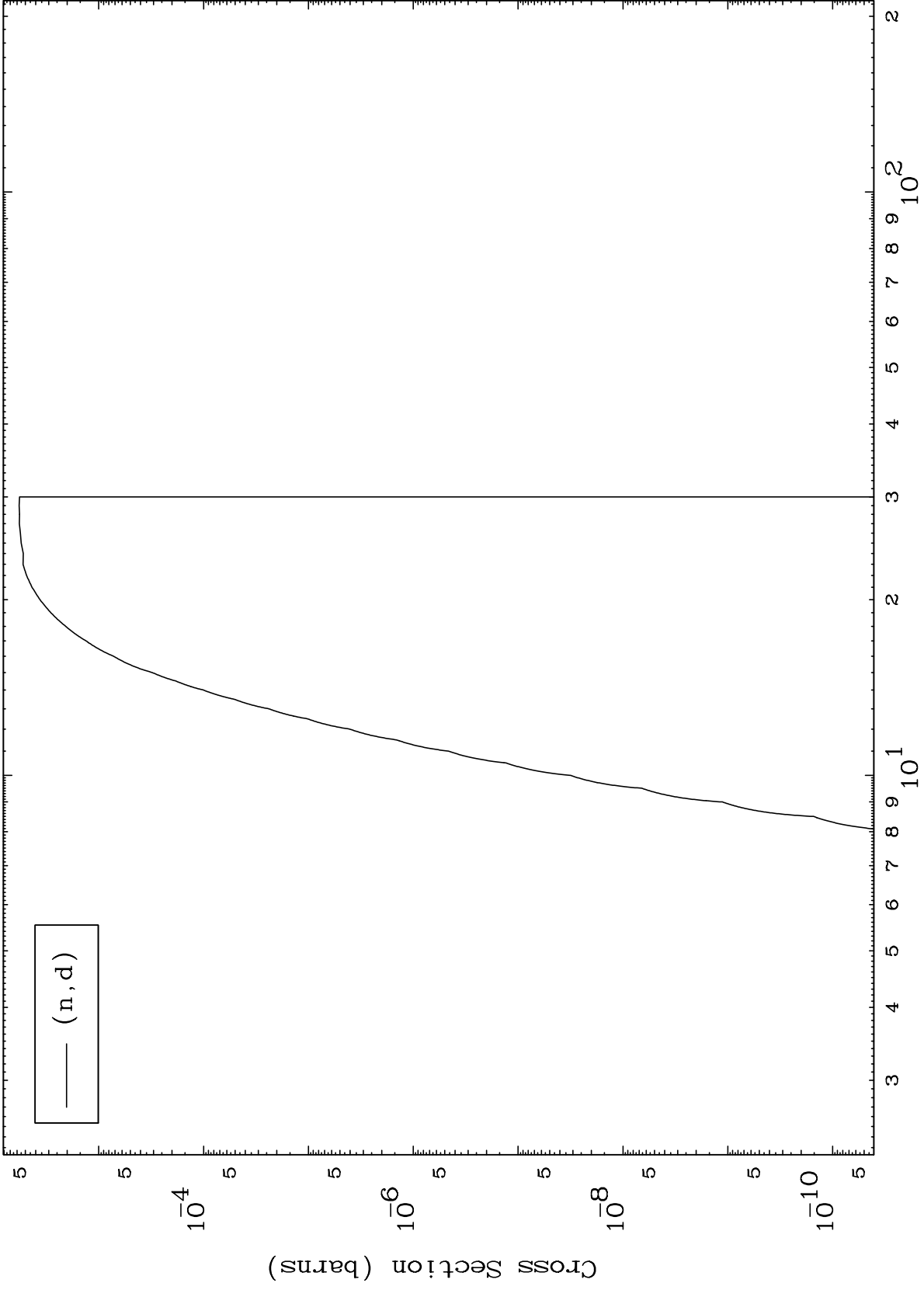
99-Es-254



MAT 9914

(n,d) Levels
293 Kelvin Cross Sections

99-Es-254

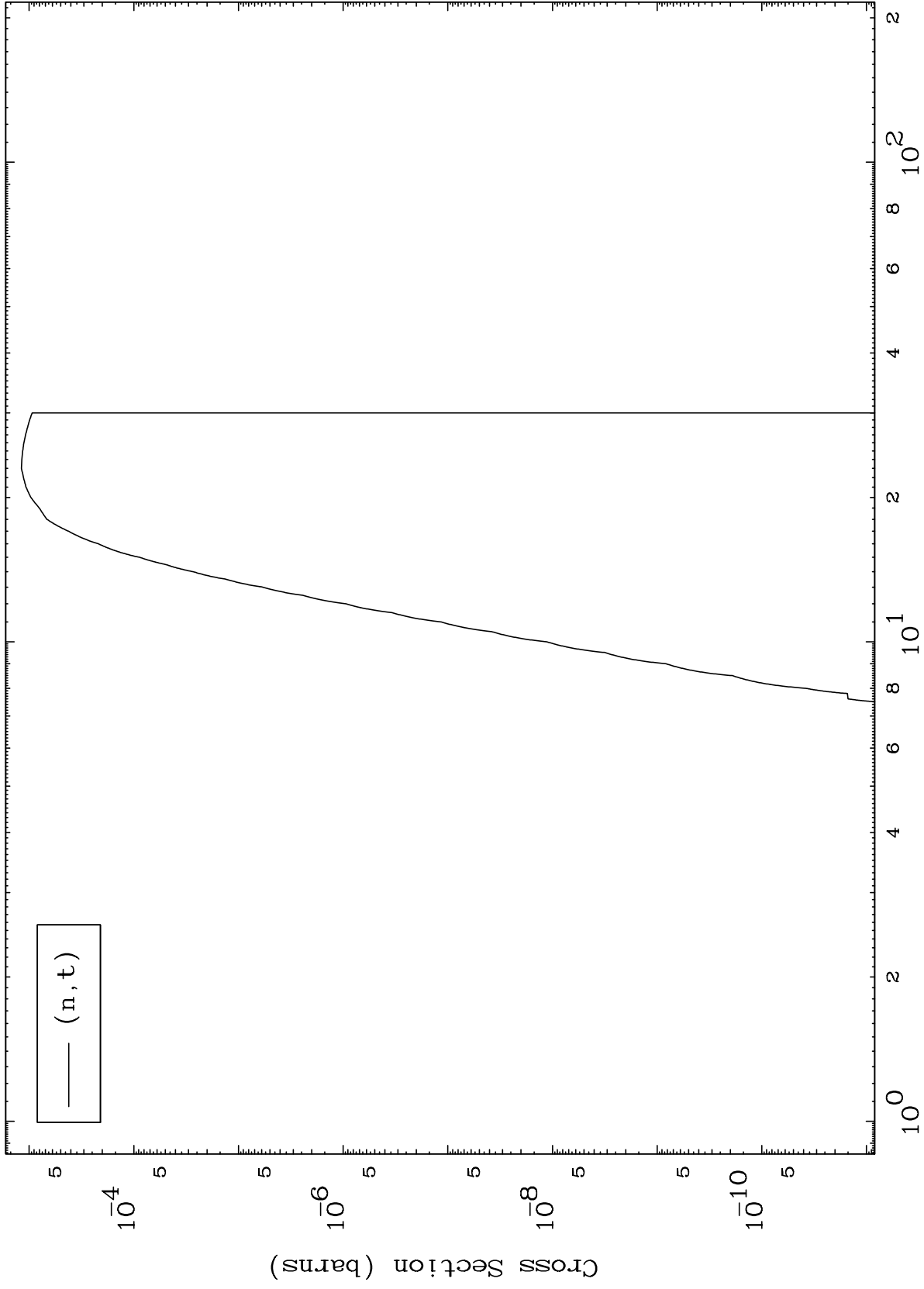


(n,d)

MAT 9914

(n,t) Levels
293 Kelvin Cross Sections

99-Es-254



13

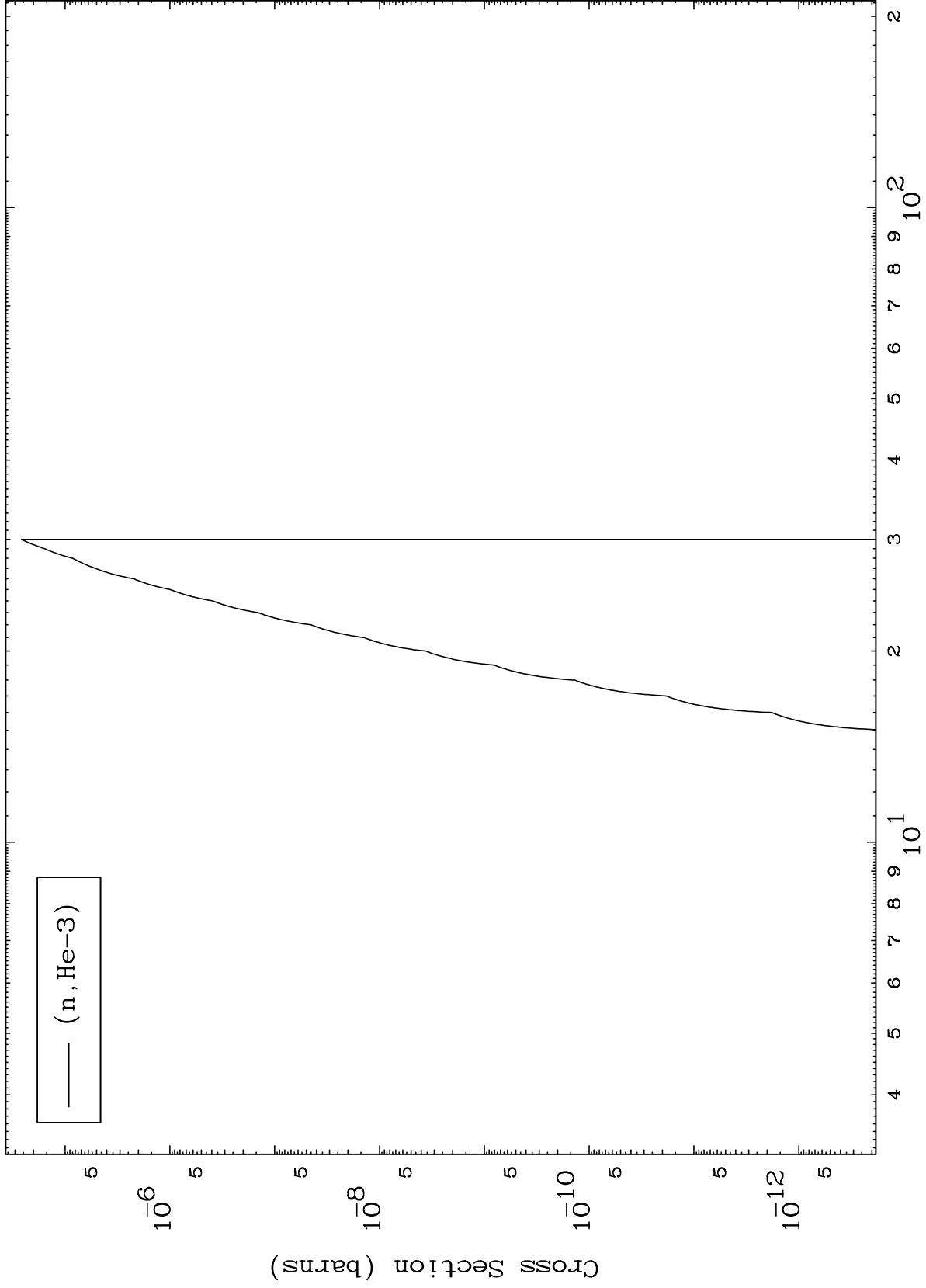
Incident Energy (MeV)

99-Es-254

MAT 9914

(n,He3) Levels
293 Kelvin Cross Sections

99-Es-254



14

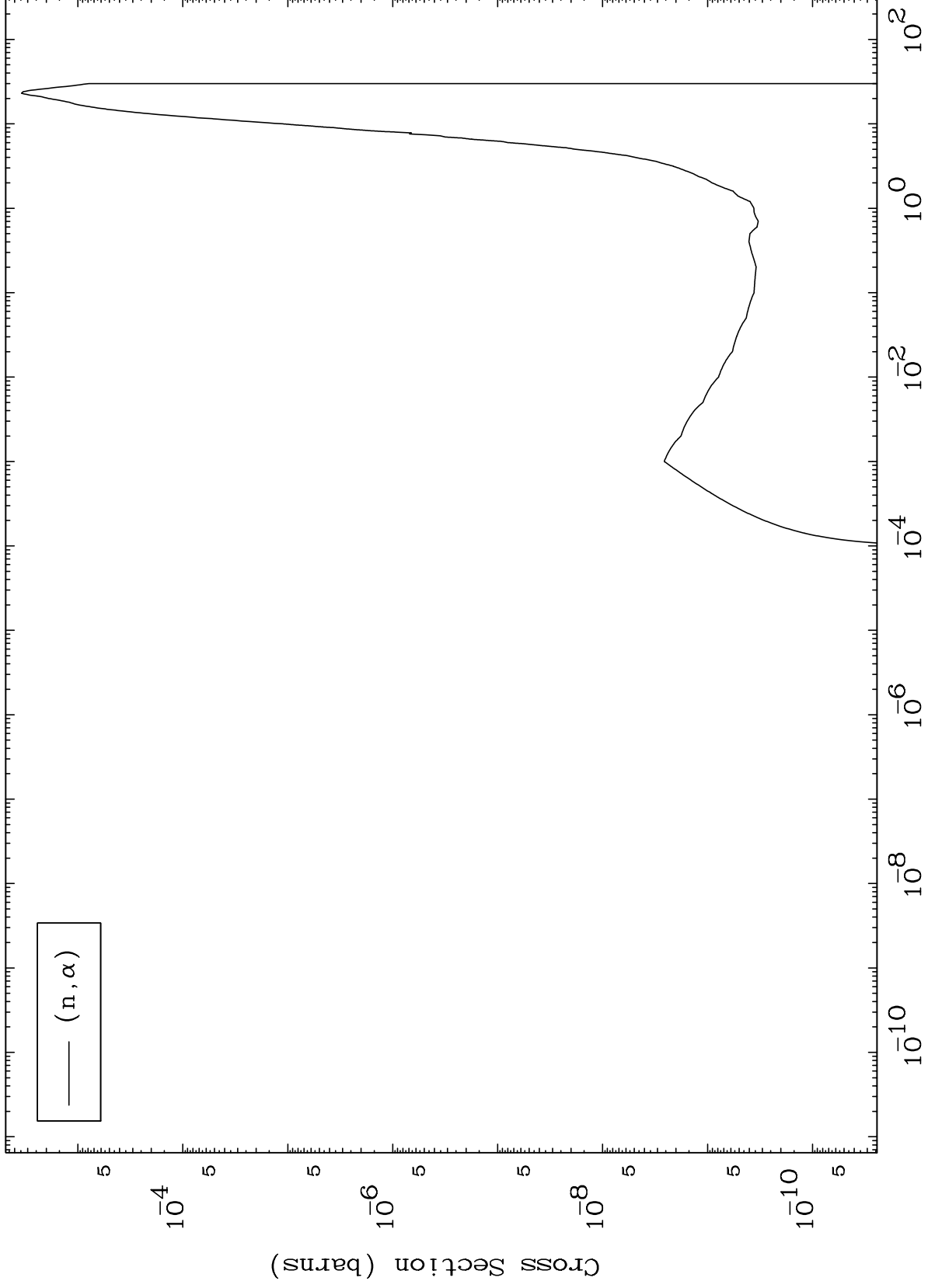
Incident Energy (MeV)

99-Es-254

MAT 9914

(n, α) Levels
293 Kelvin Cross Sections

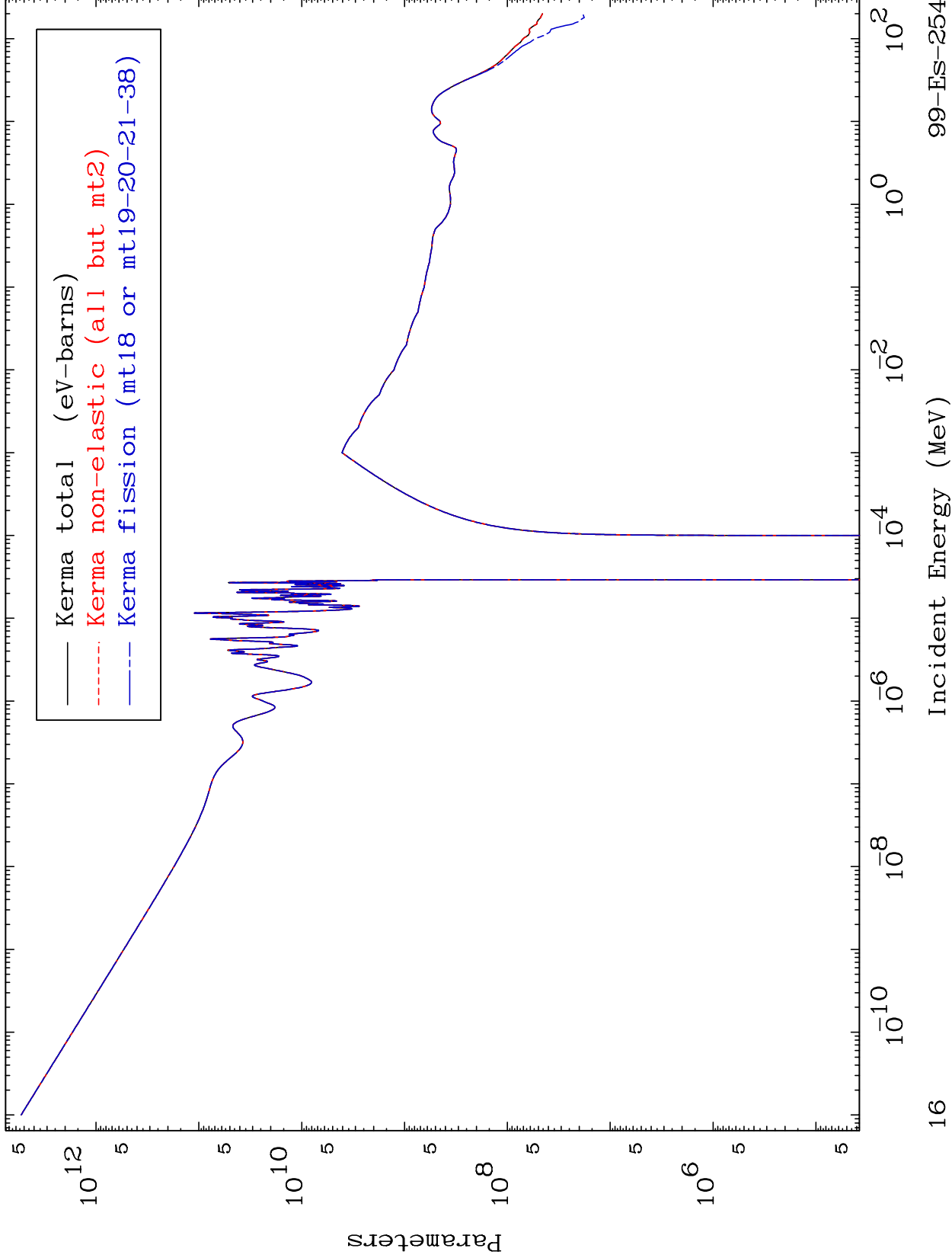
99-Es-254

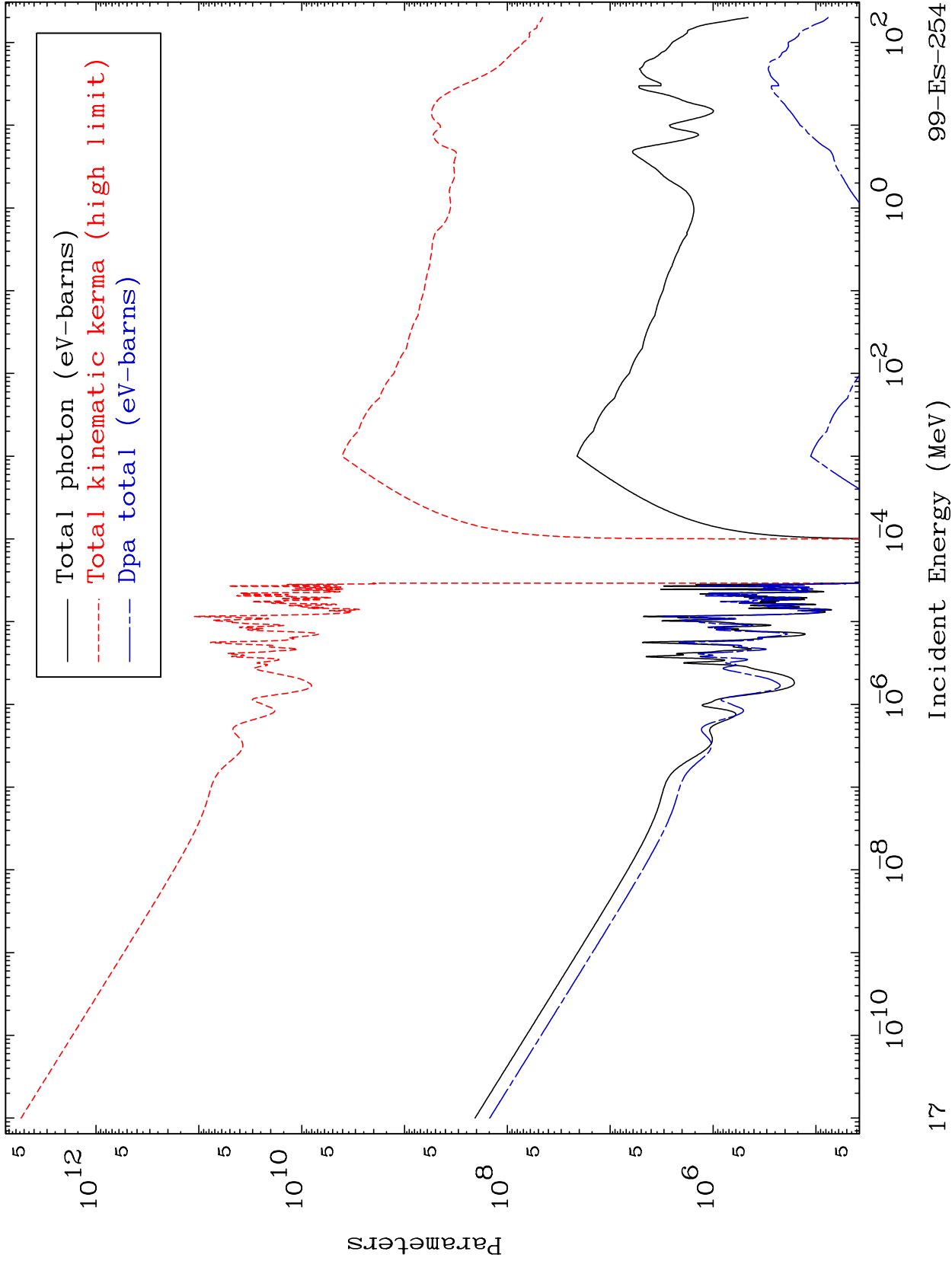


15

Incident Energy (MeV)

99-Es-254

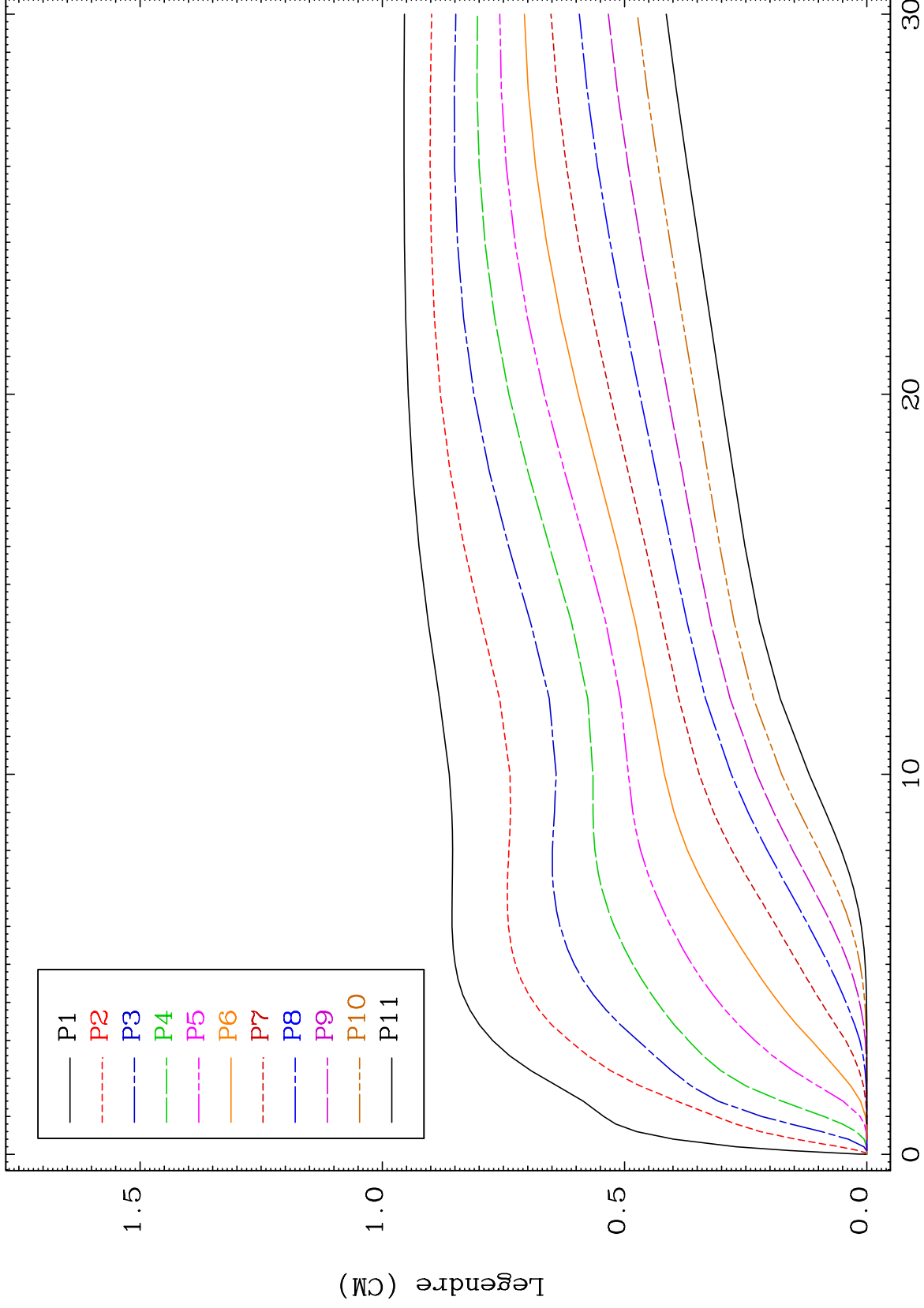




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Elastic Legendre Coefficients

99-Es-254



18

Incident Energy (MeV)

99-Es-254

0

10

20

30

Legendre (CM)

1.5

1.0

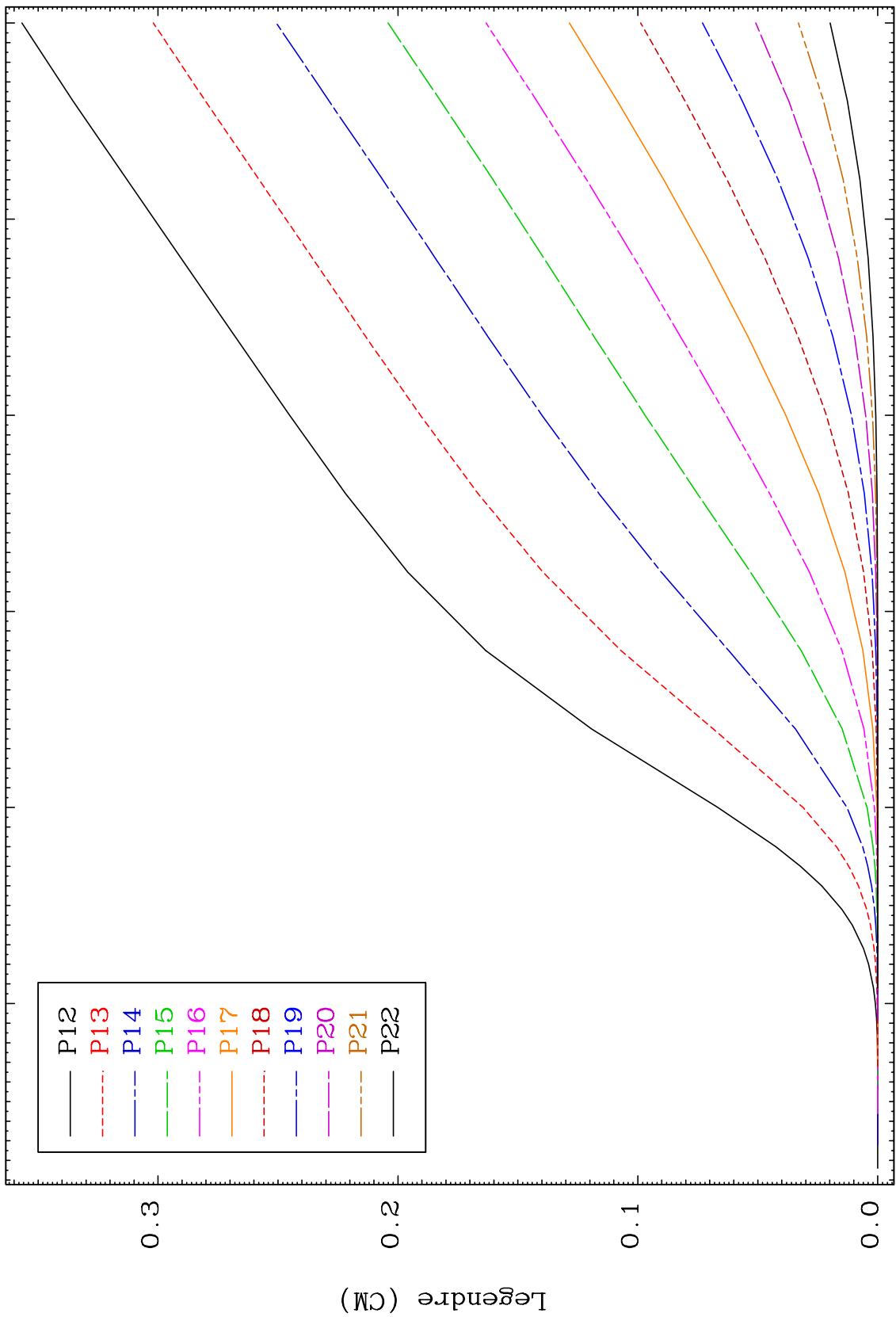
0.5

0.0

MAT 9914

Elastic Legendre Coefficients

99-Es-254



19

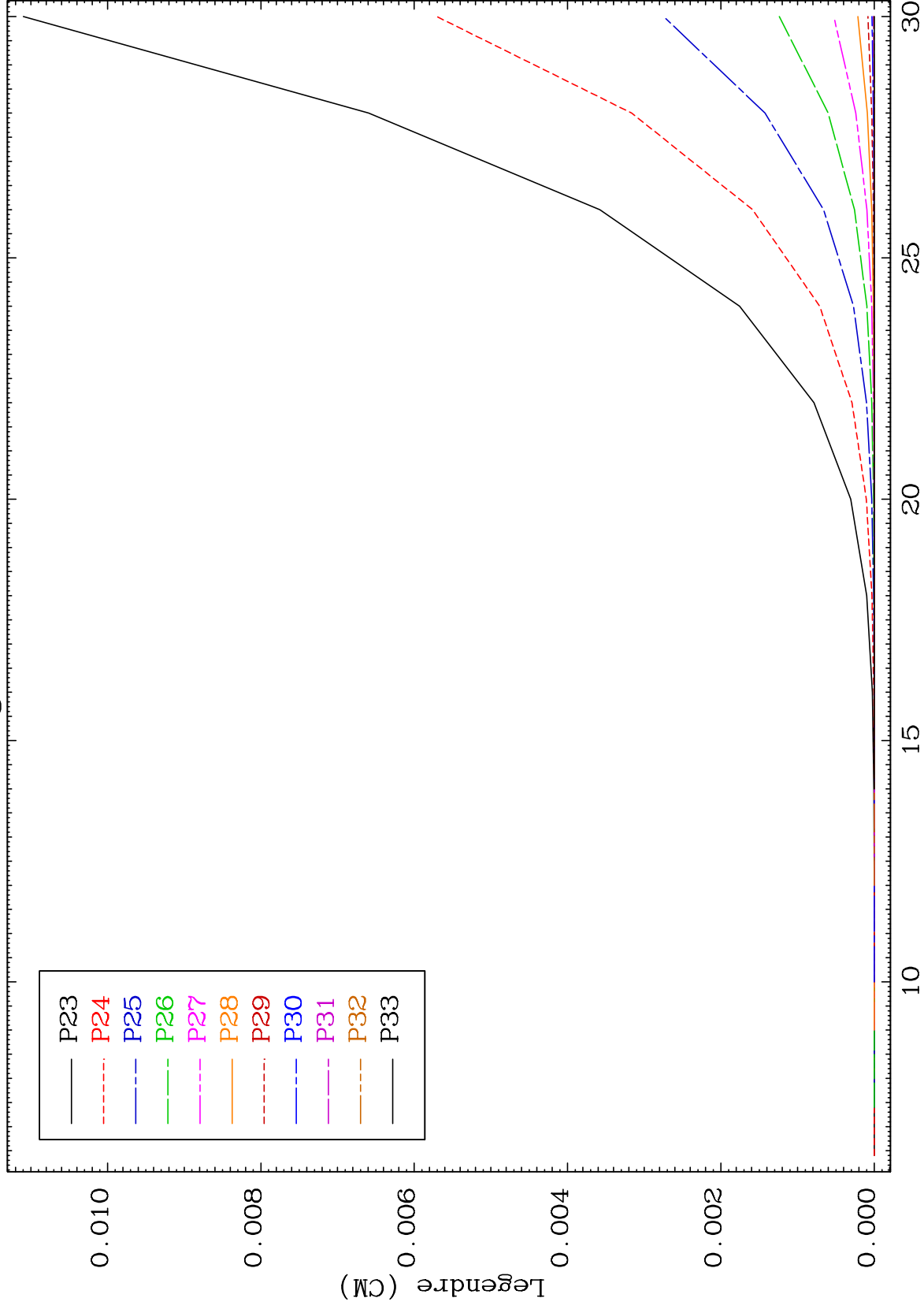
Incident Energy (MeV)

99-Es-254

MAT 9914

Elastic Legendre Coefficients

99-Es-254



20

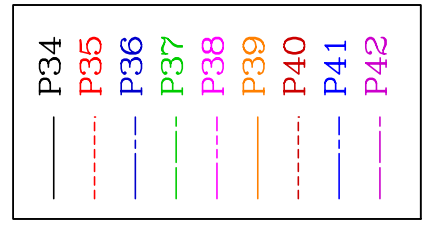
Incident Energy (MeV)

99-Es-254

MAT 9914

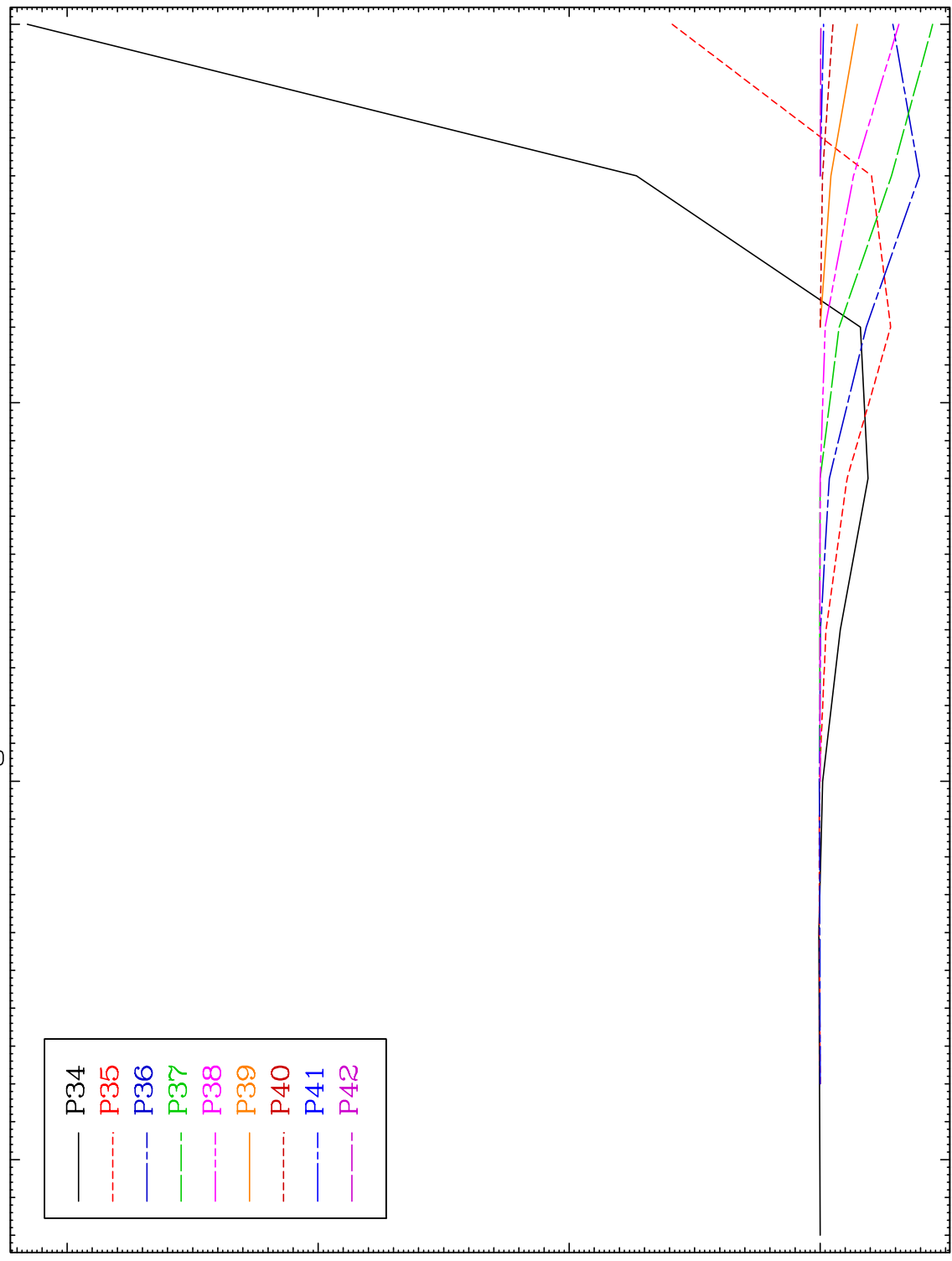
Elastic Legendre Coefficients

99-Es-254



$\times 10^{-3}$

Legendre (CM)



30

25

20

15

21

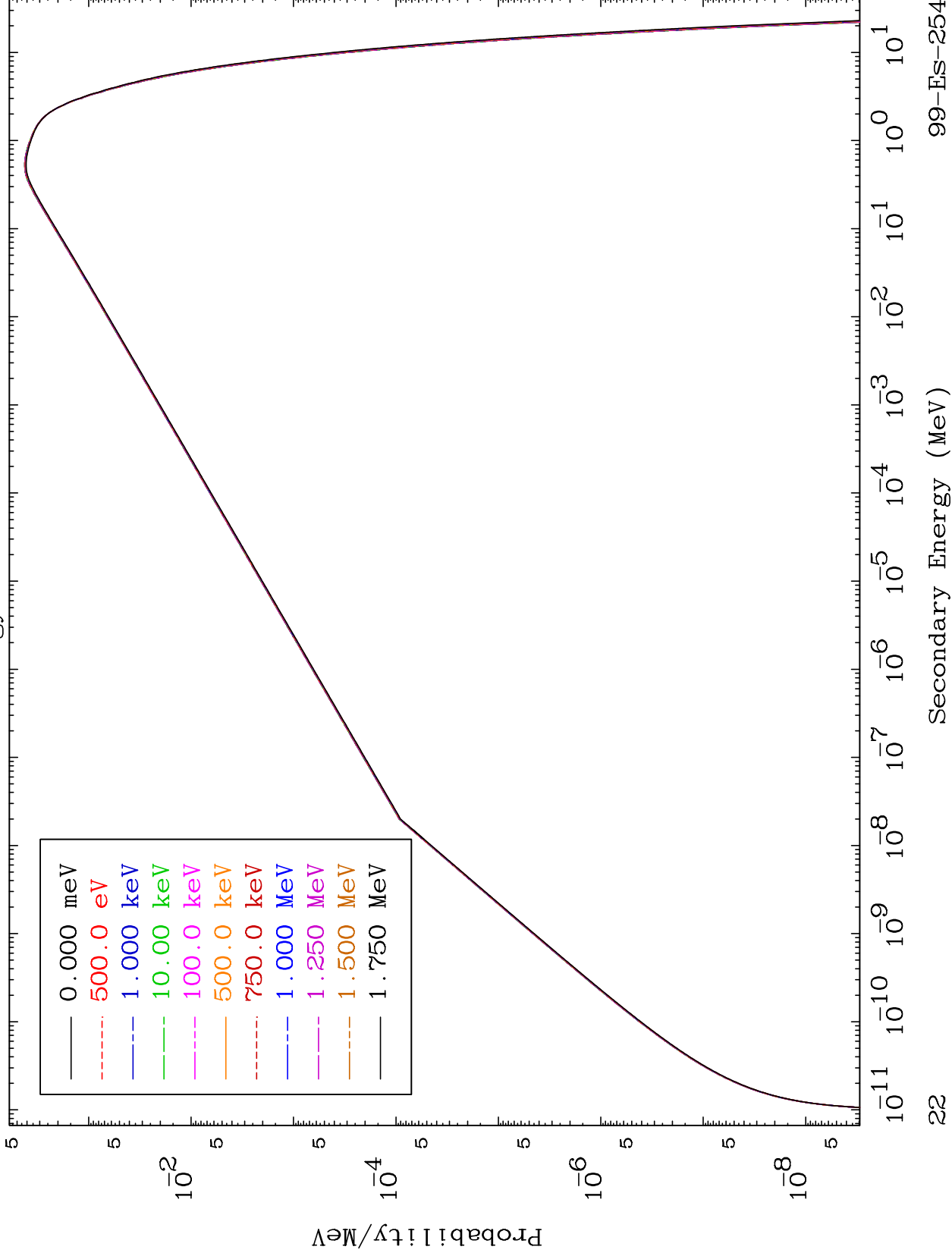
Incident Energy (MeV)

99-Es-254

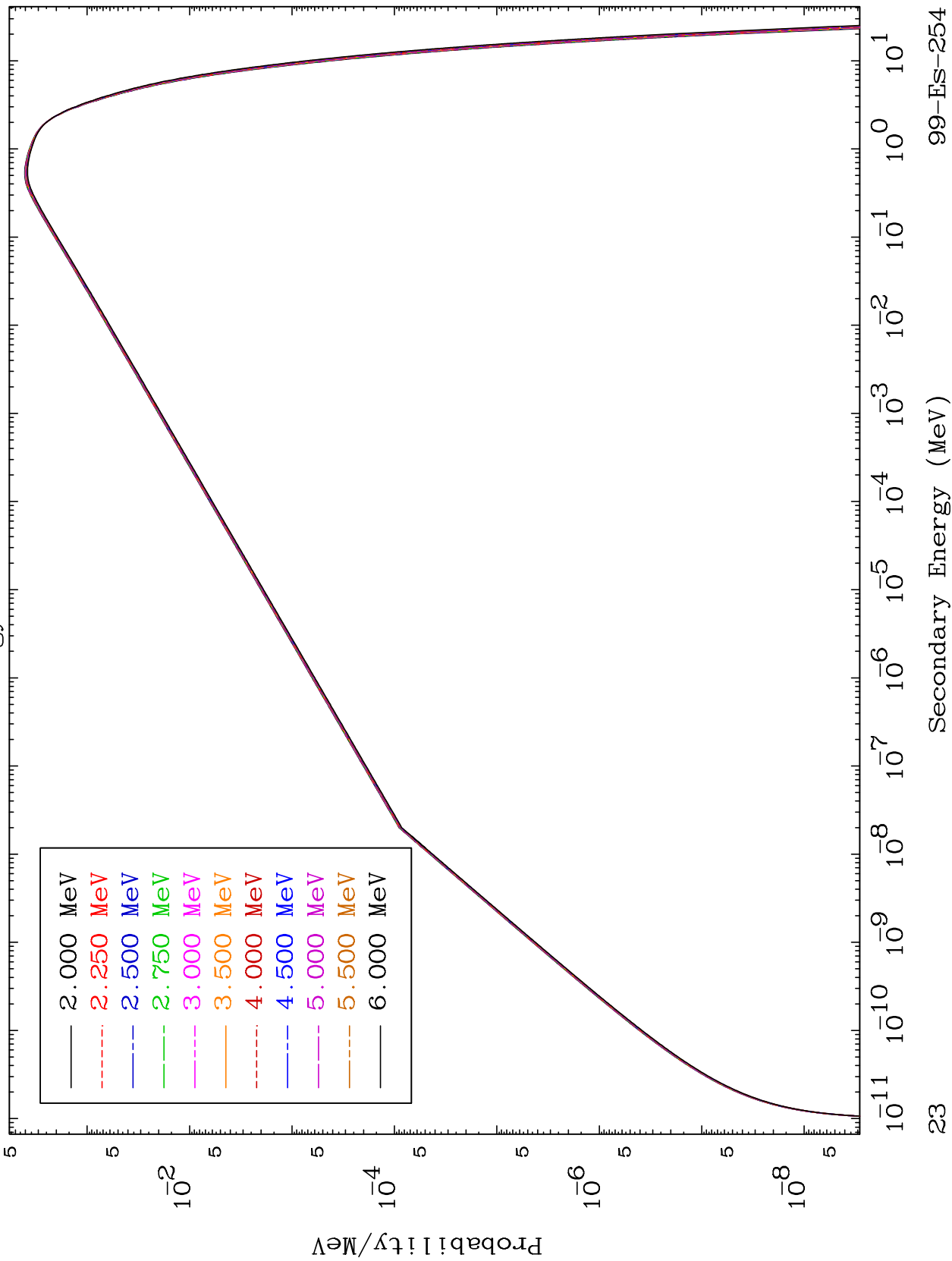
MAT 9914

Fission Energy Distribution

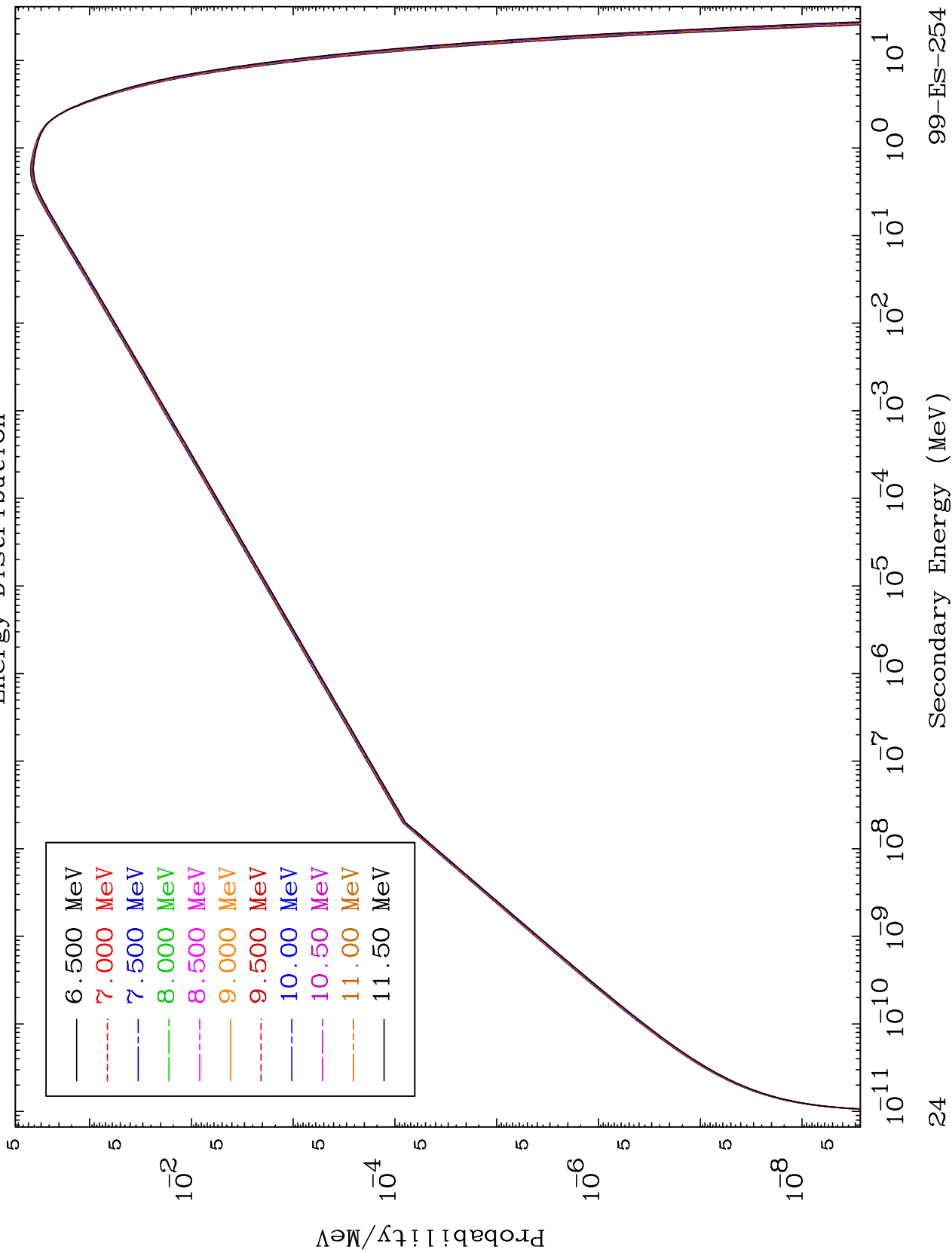
99-Es-254



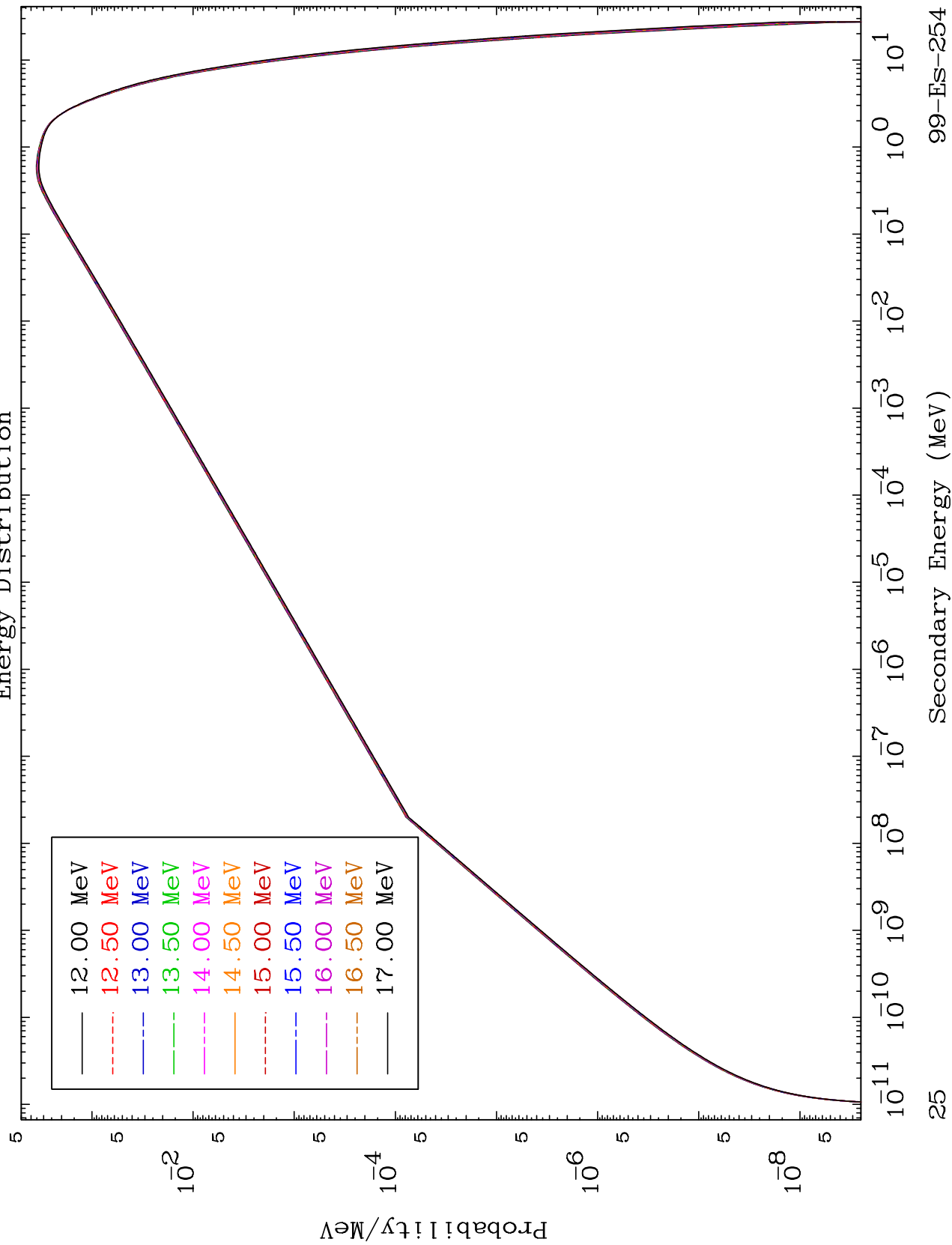
Fission Energy Distribution



Fission
Energy Distribution



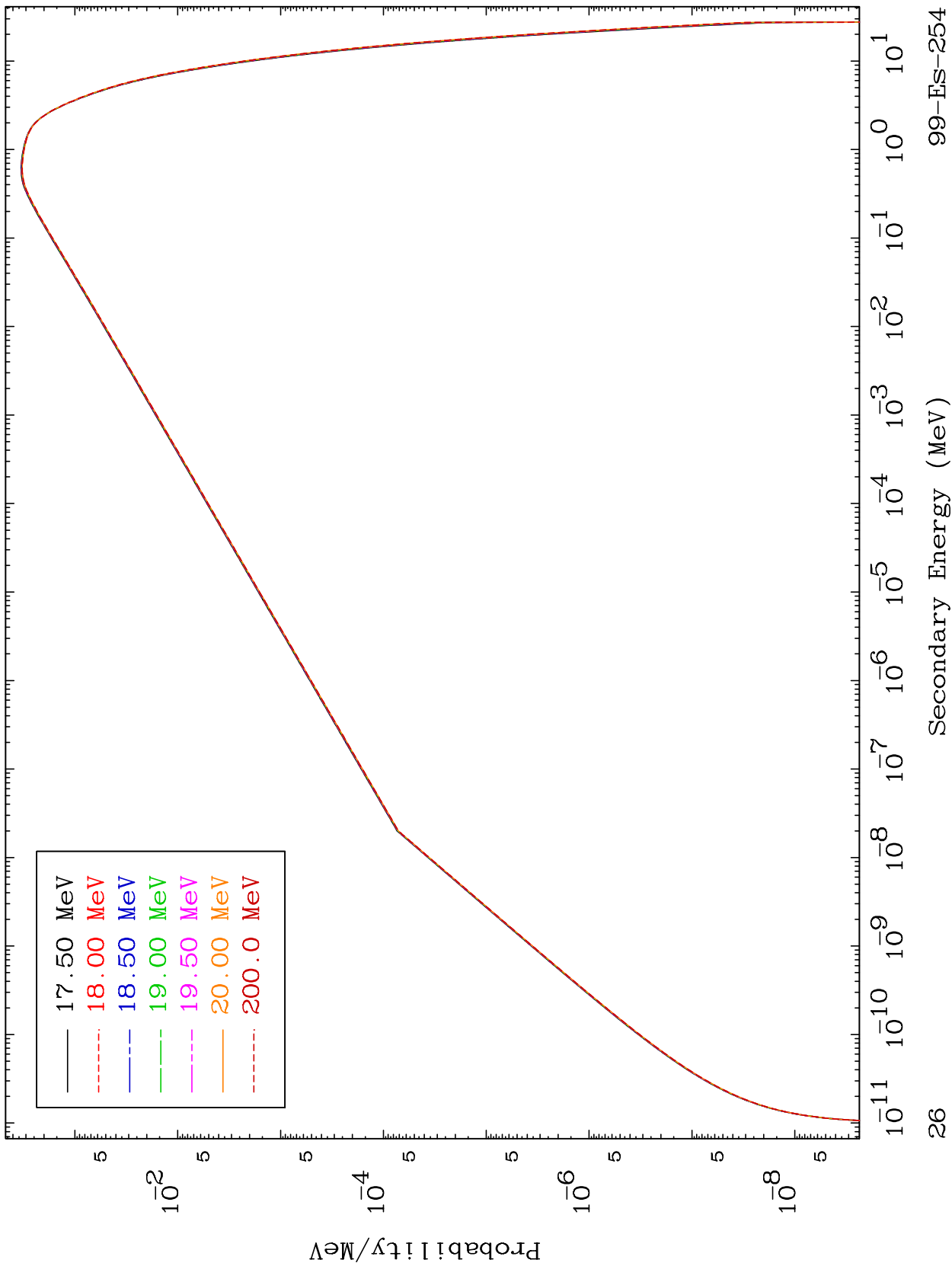
Fission Energy Distribution



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Fission Energy Distribution

99-Es-254



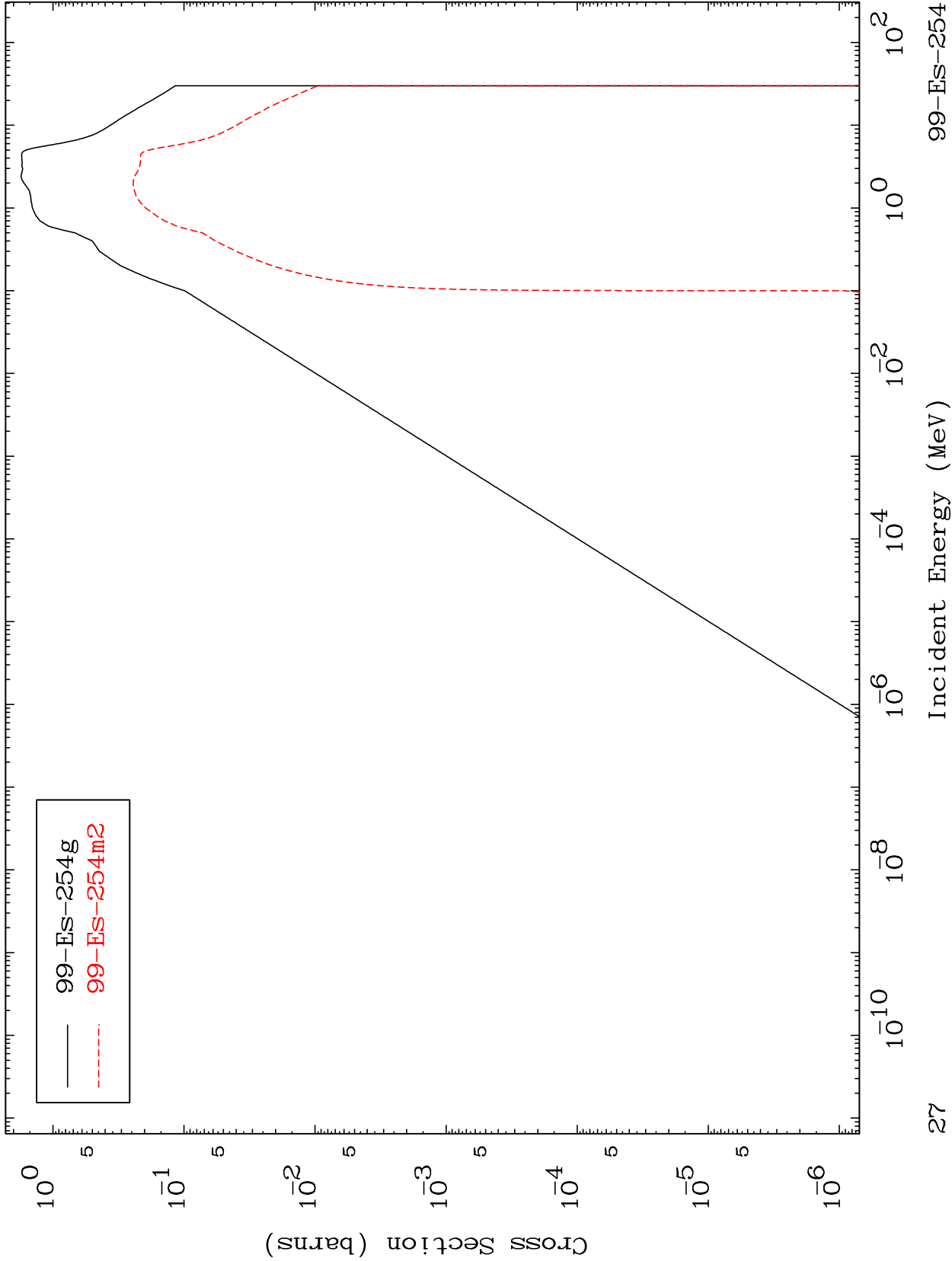
99-Es-254

Secondary Energy (MeV)

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Inelastic
Radionuclide Production Cross Section

99-Es-254

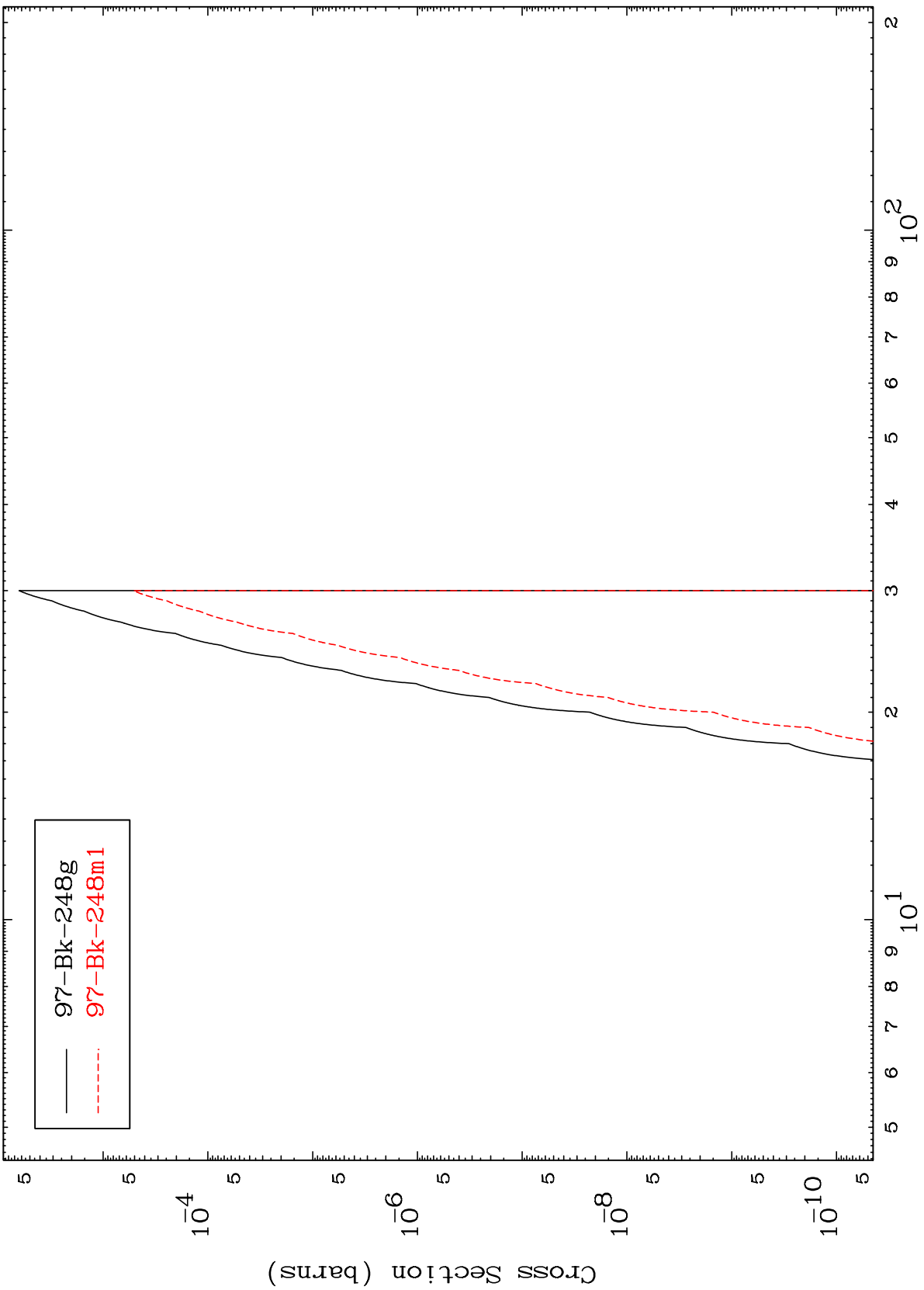


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(n,3n) α

99-Es-254

Radionuclide Production Cross Section



28

Incident Energy (MeV)

99-Es-254