

Program EVALPLOT
(Version 2018-1)

by

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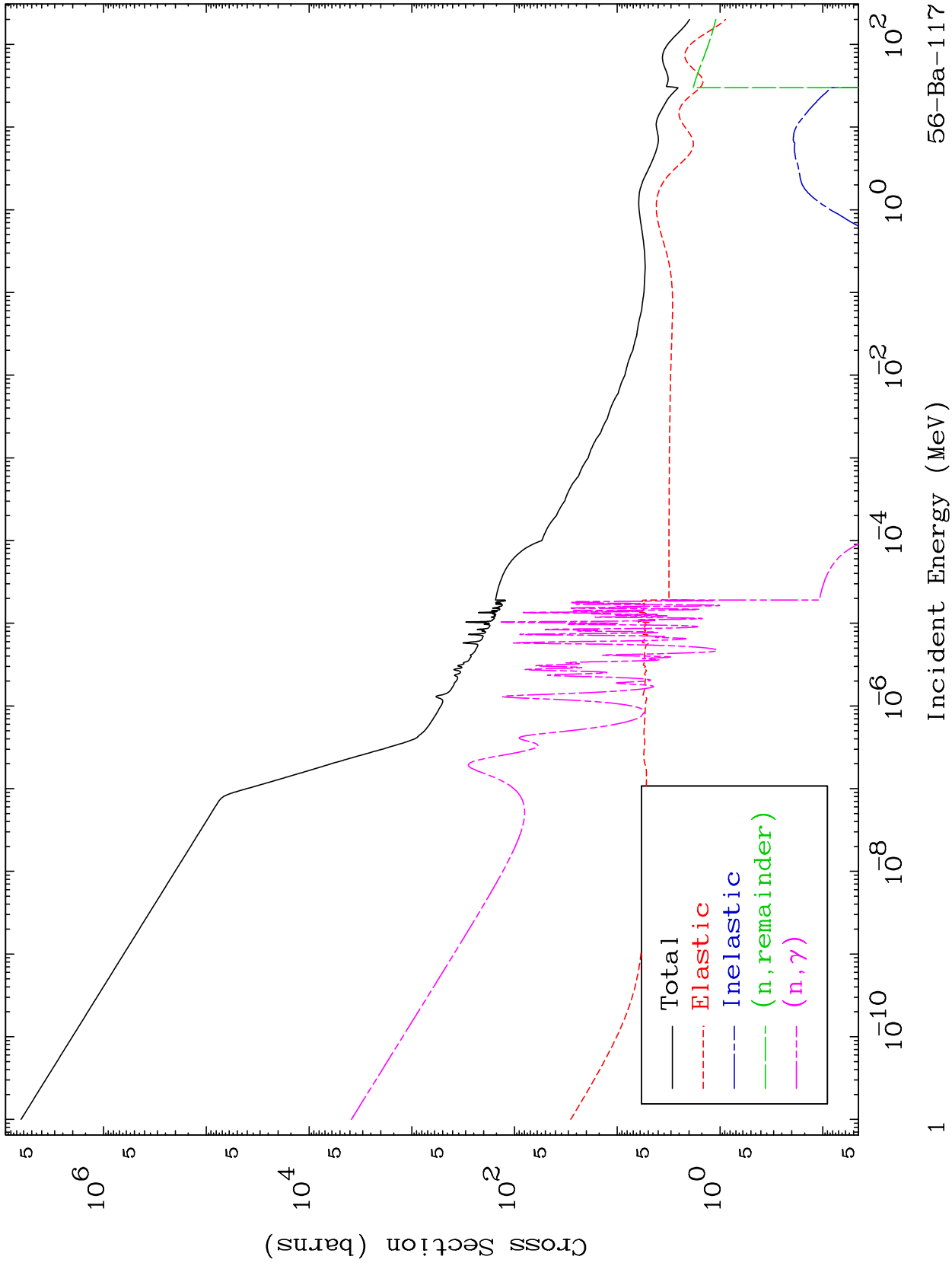
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5586

Major
293 Kelvin Cross Sections

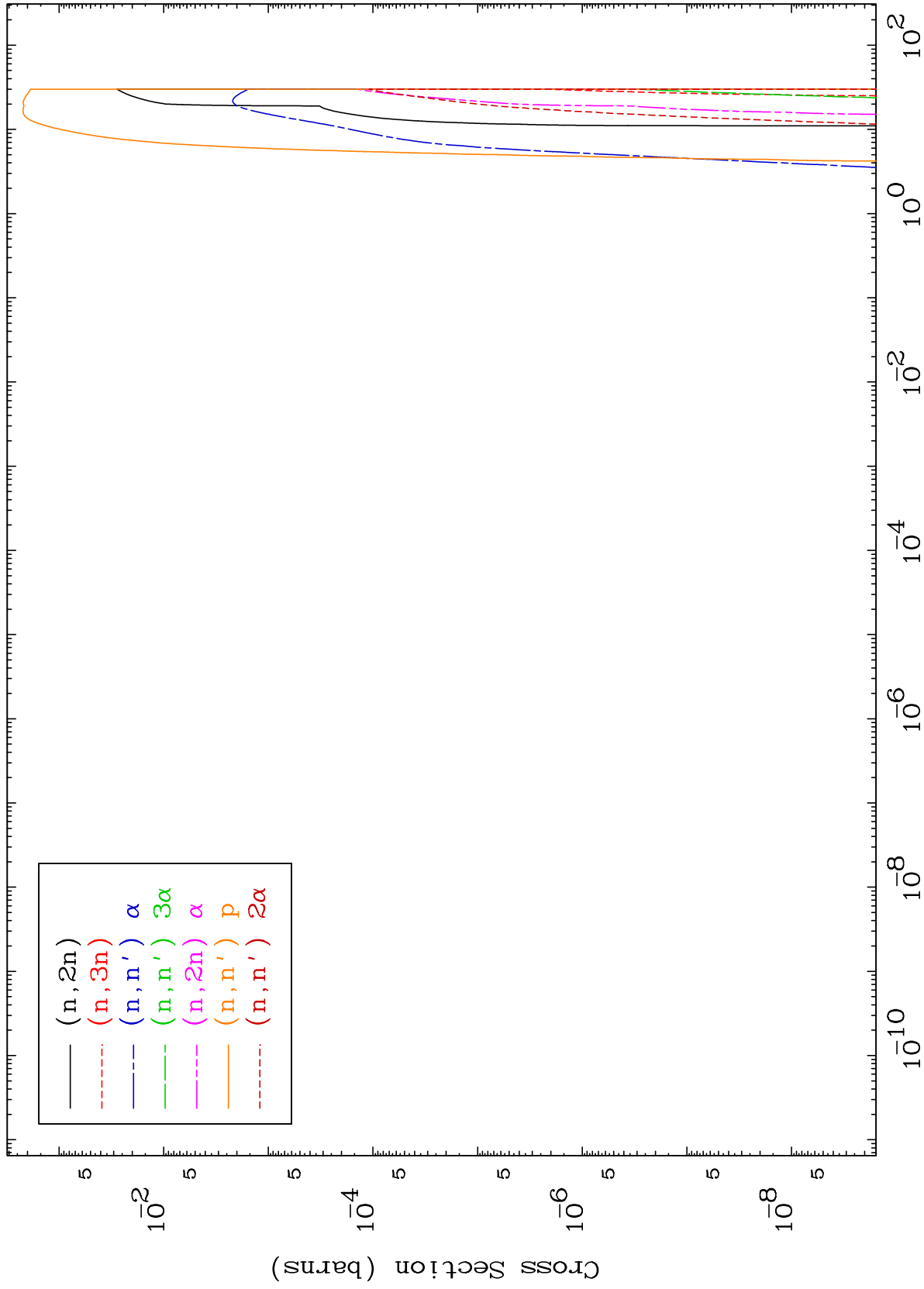
56-Ba-117



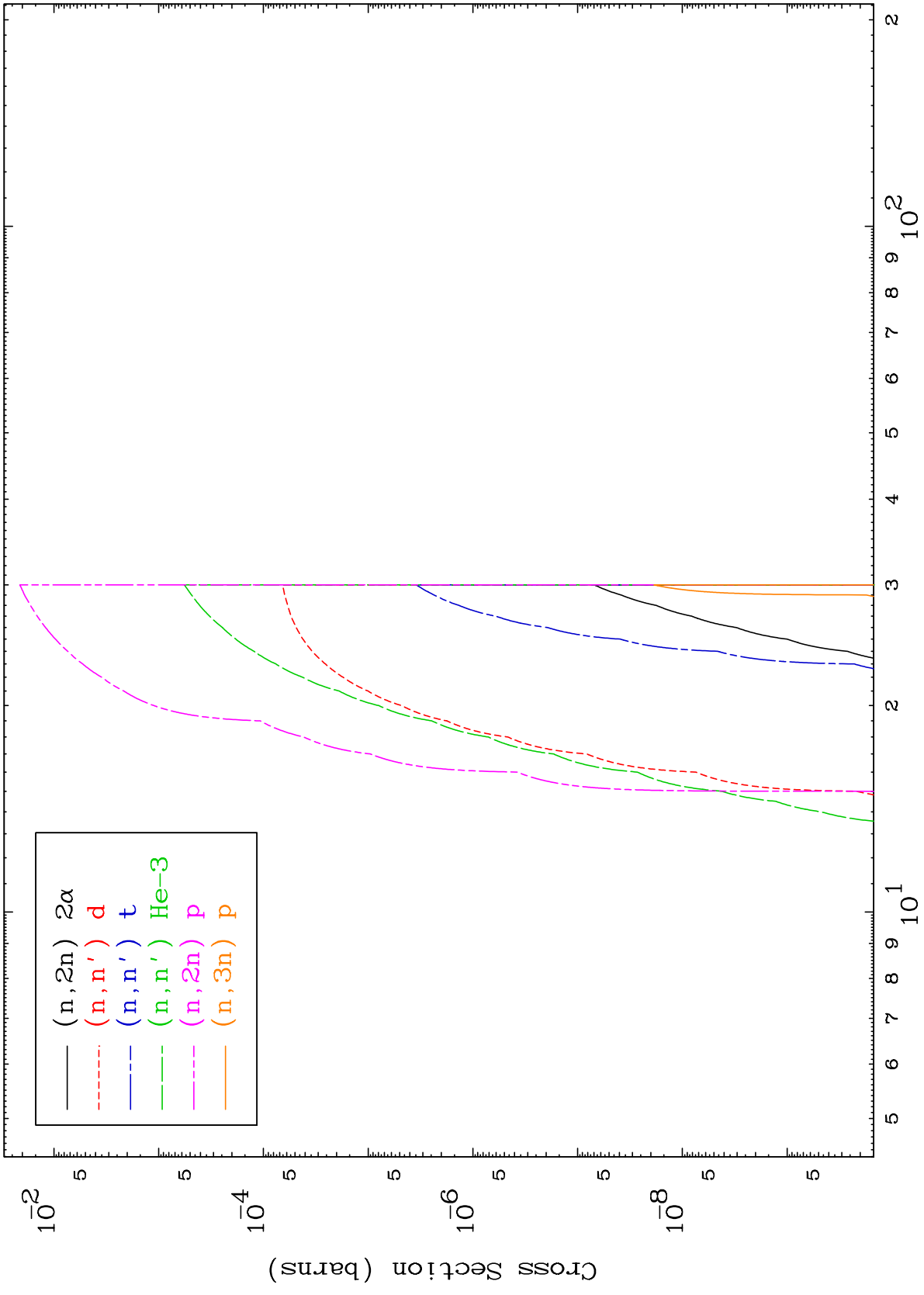
MAT 5586

Neutron Production
293 Kelvin Cross Sections

56-Ba-117



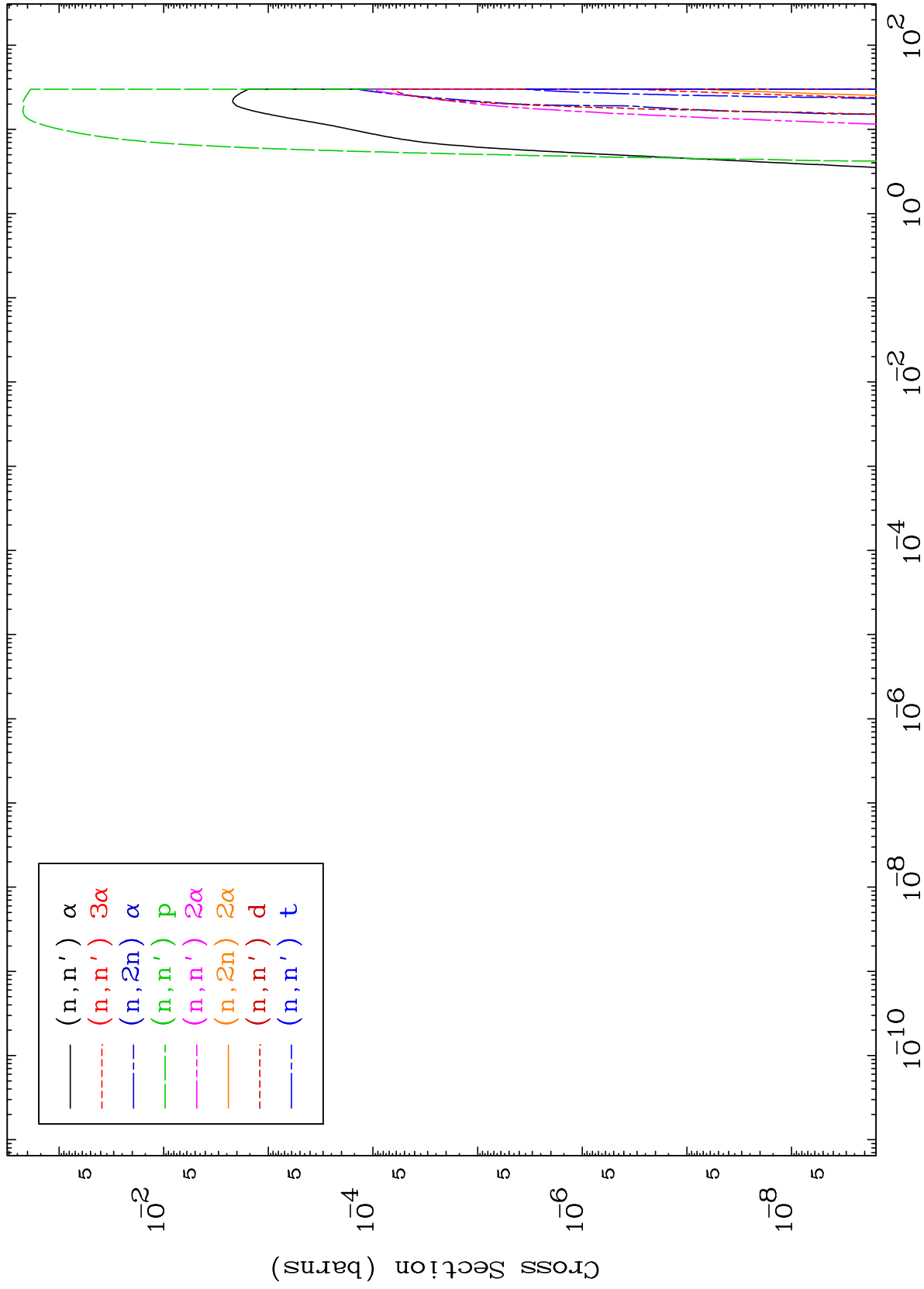
56-Ba-117



MAT 5586

293 Charged Particle
Kelvin Cross Sections

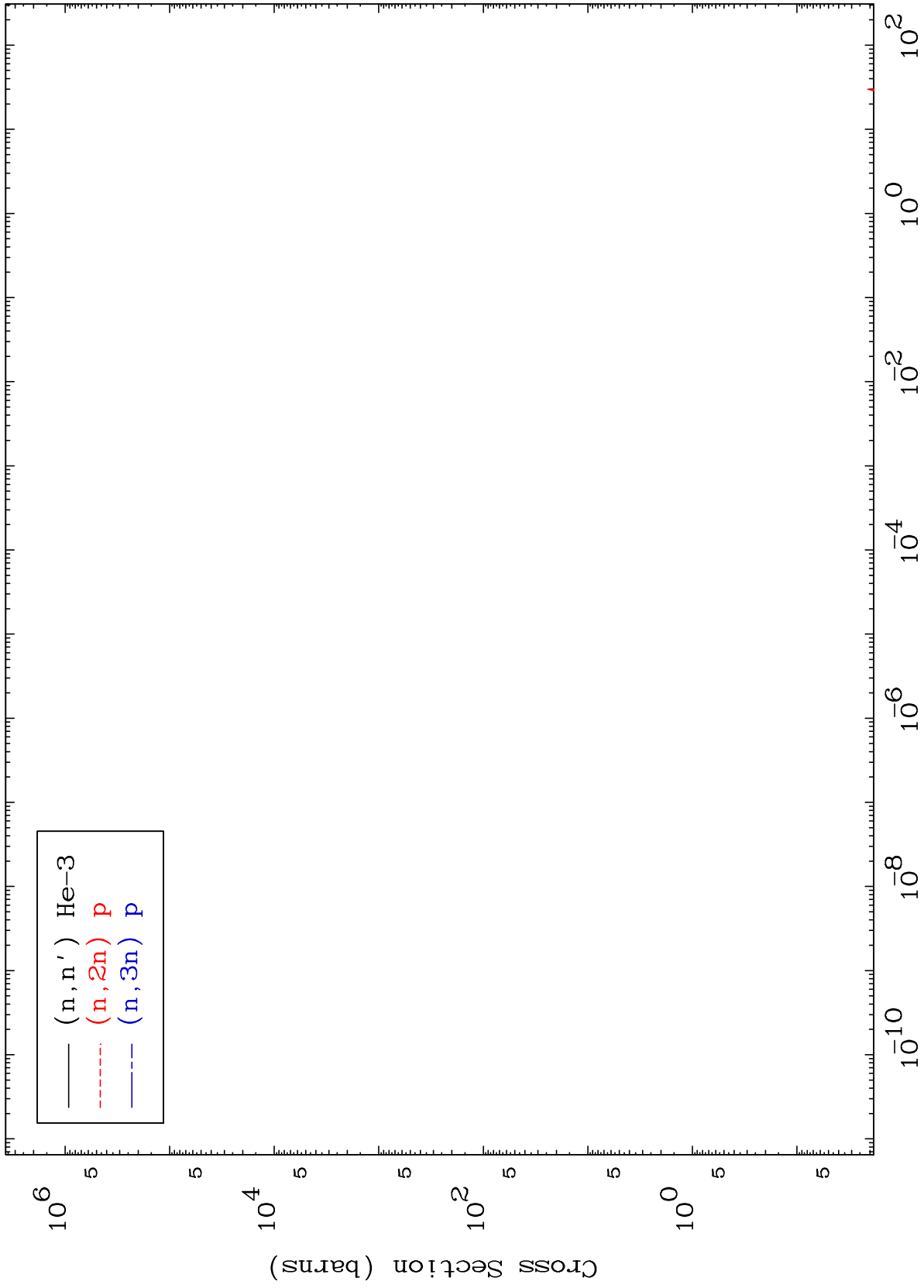
56-Ba-117



MAT 5586

Charged Particle
293 Kelvin Cross Sections

56-Ba-117



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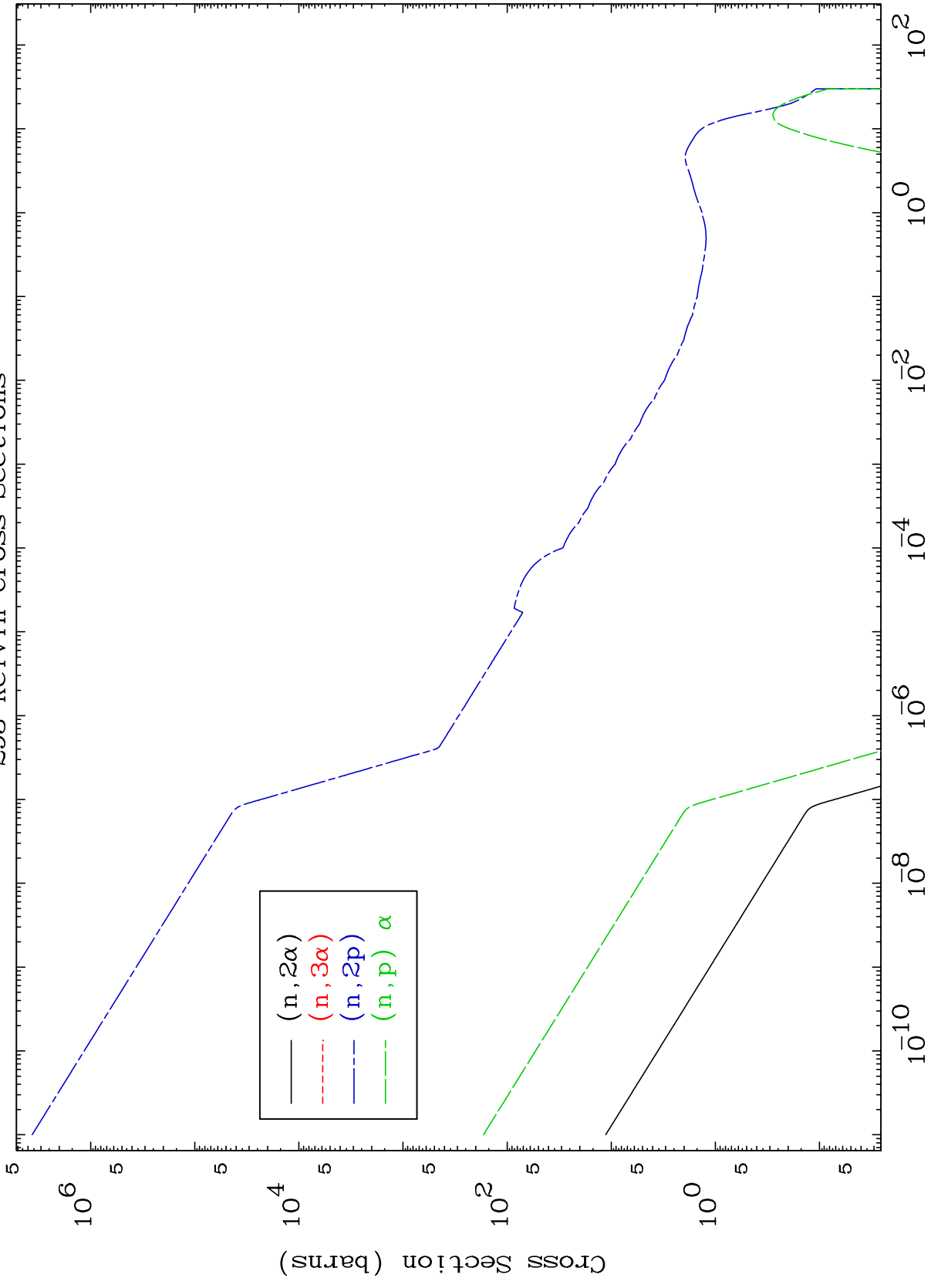
Incident Energy (MeV)

56-Ba-117

MAT 5586

Charged Particle
293 Kelvin Cross Sections

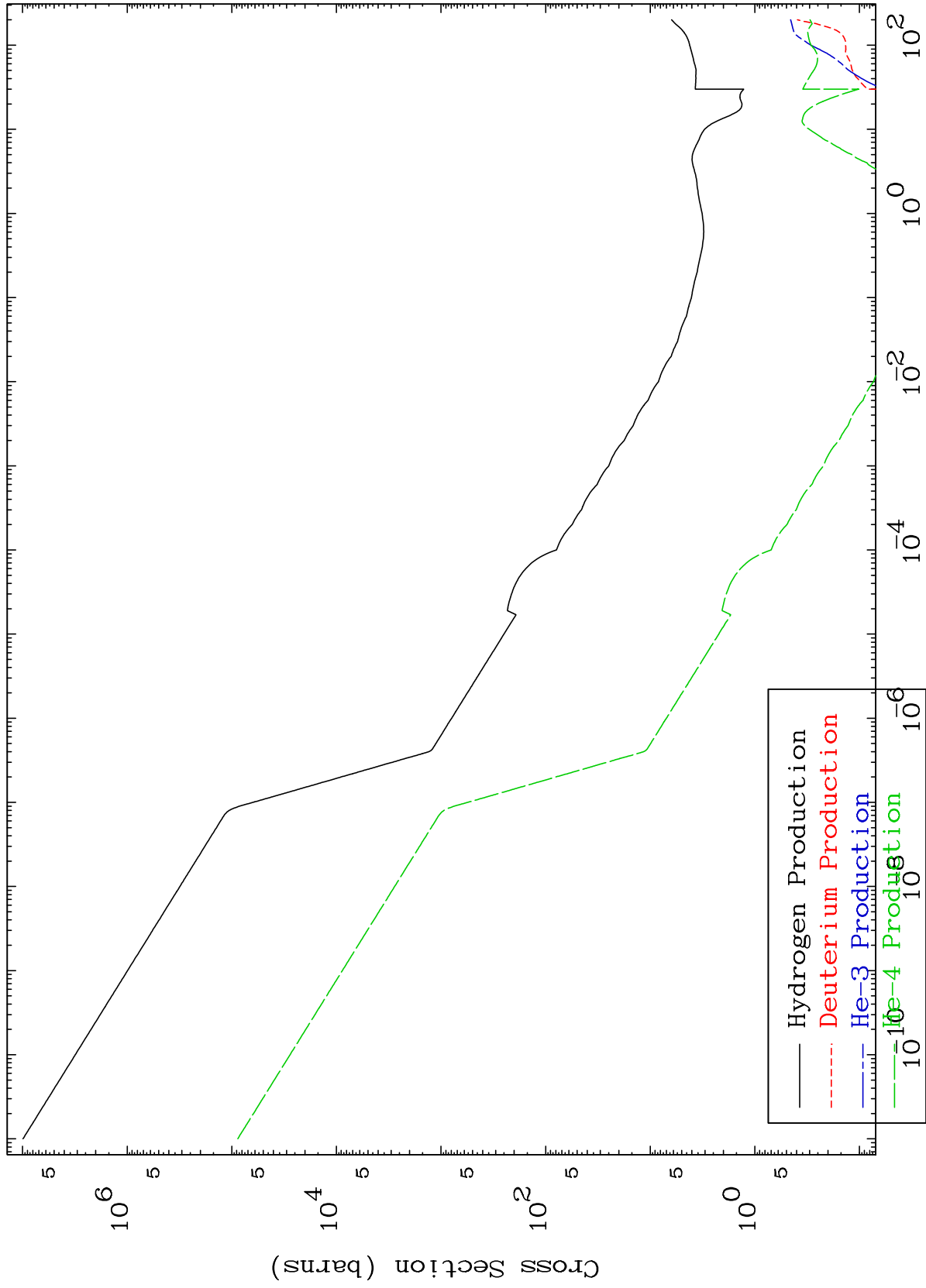
56-Ba-117



MAT 5586

Particle Production
293 Kelvin Cross Sections

56-Ba-117



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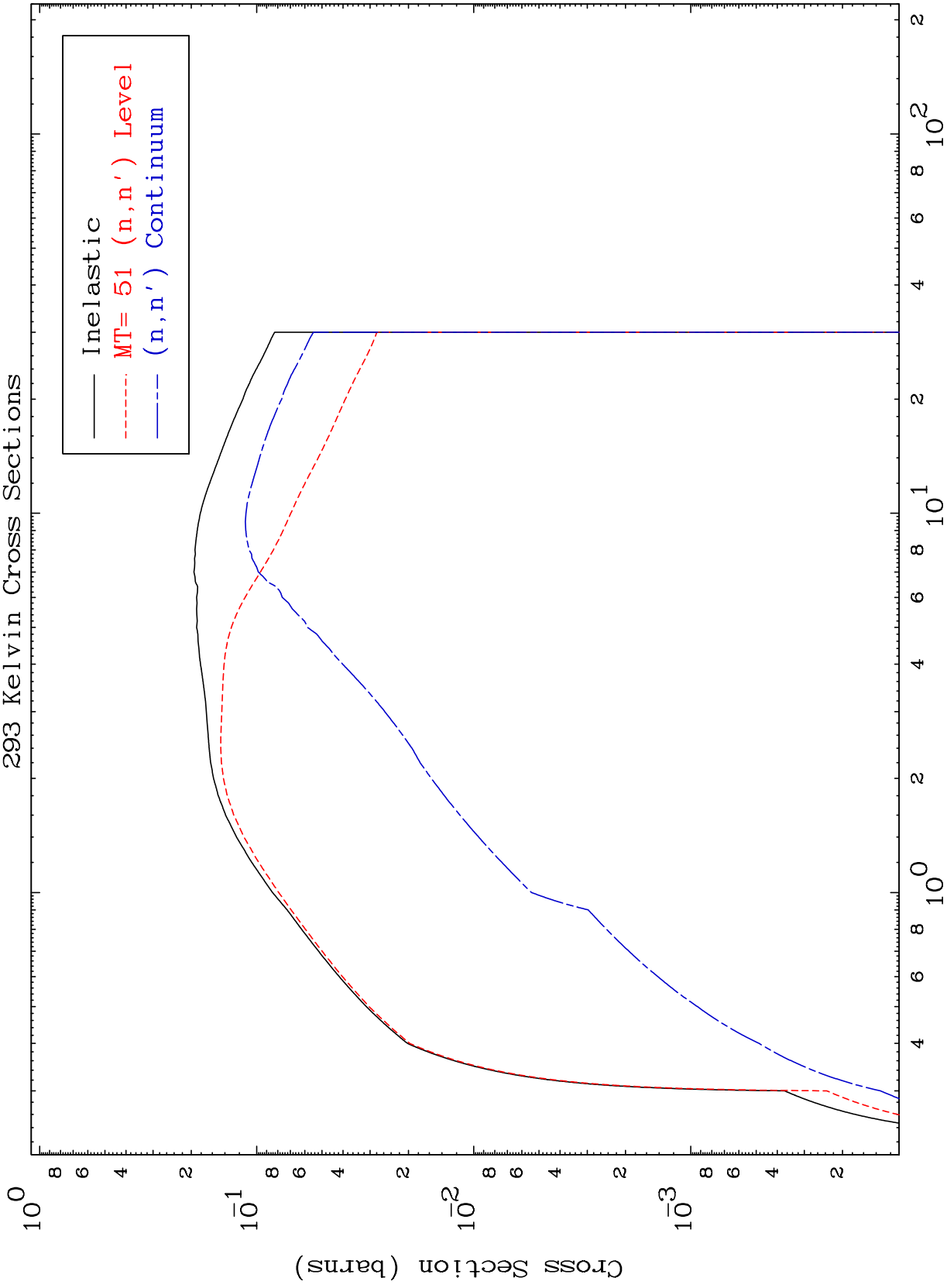
Incident Energy (MeV)

56-Ba-117

MAT 5586

(n,n') Level
293 Kelvin Cross Sections

56-Ba-117



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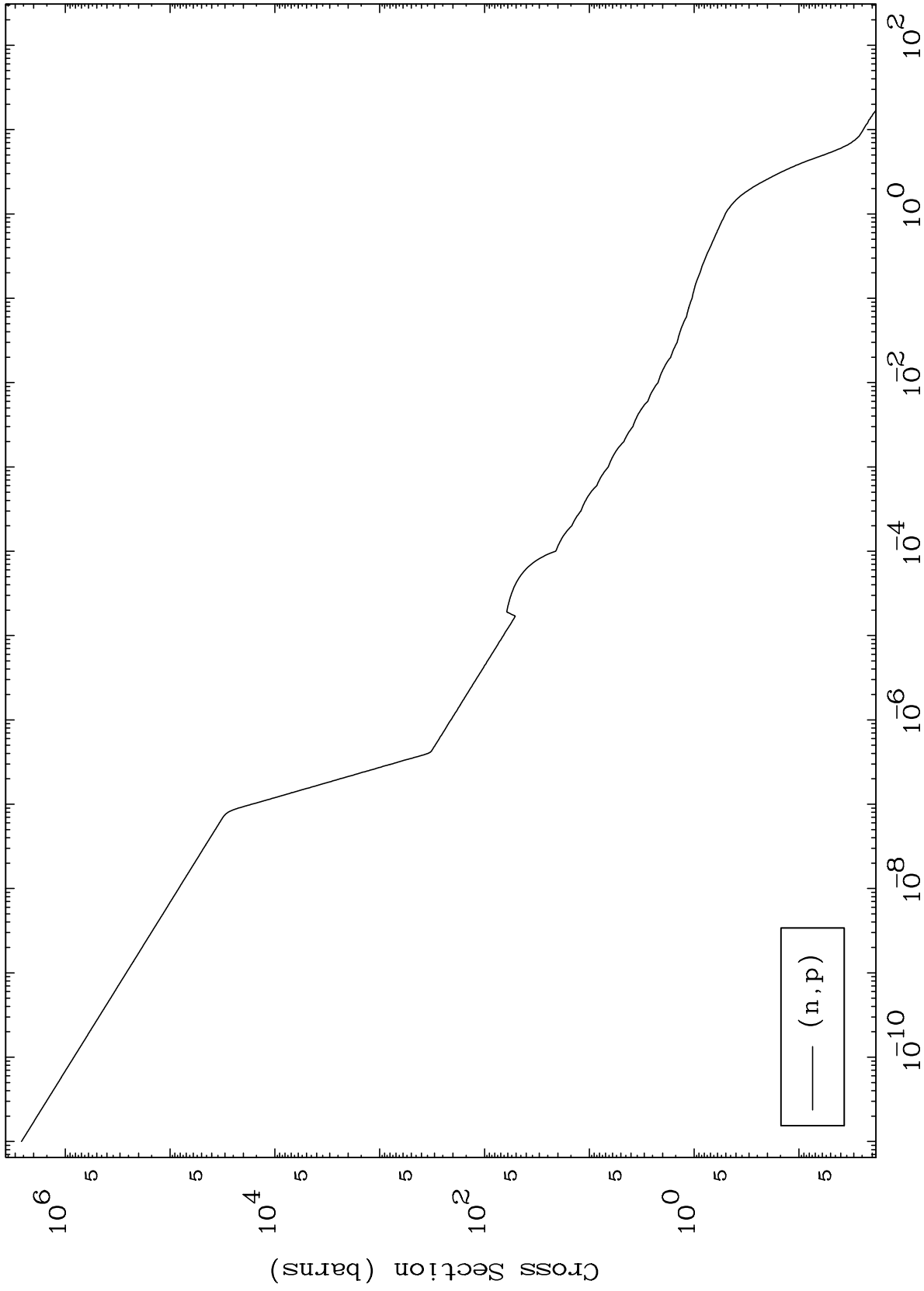
Incident Energy (MeV)

56-Ba-117

MAT 5586

(n,p) Levels
293 Kelvin Cross Sections

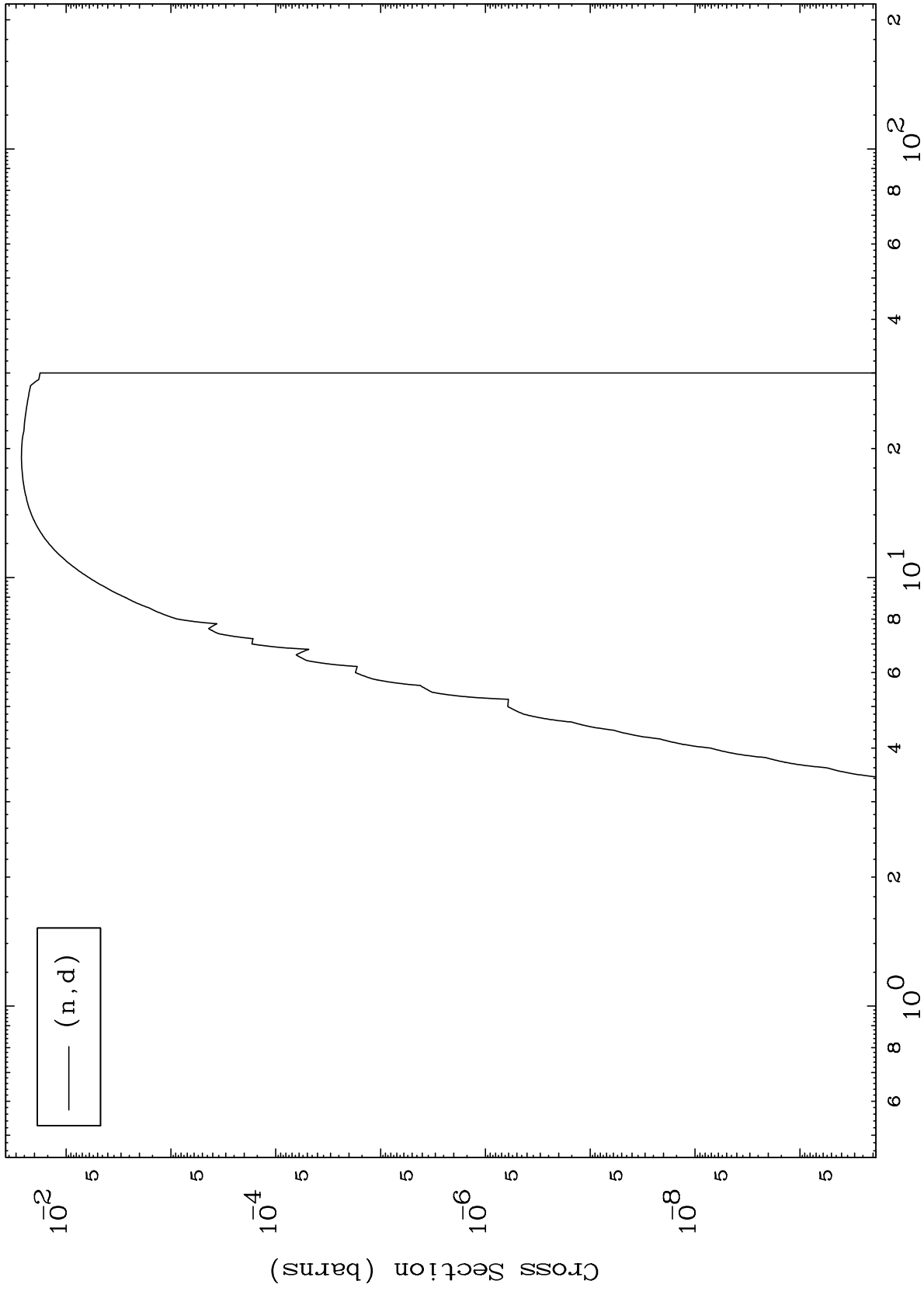
56-Ba-117



MAT 5586

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-117



10

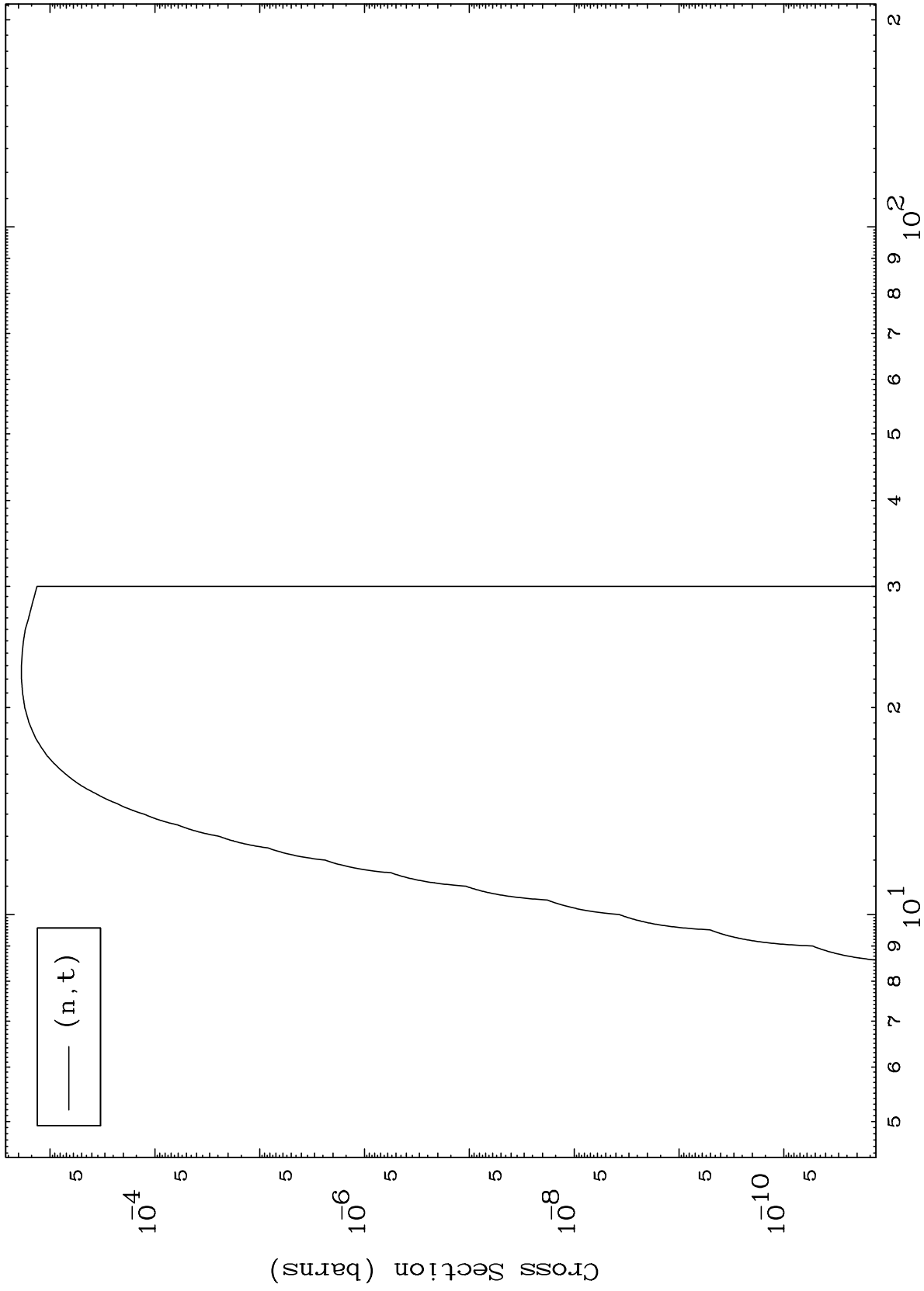
Incident Energy (MeV)

56-Ba-117

MAT 5586

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-117



11

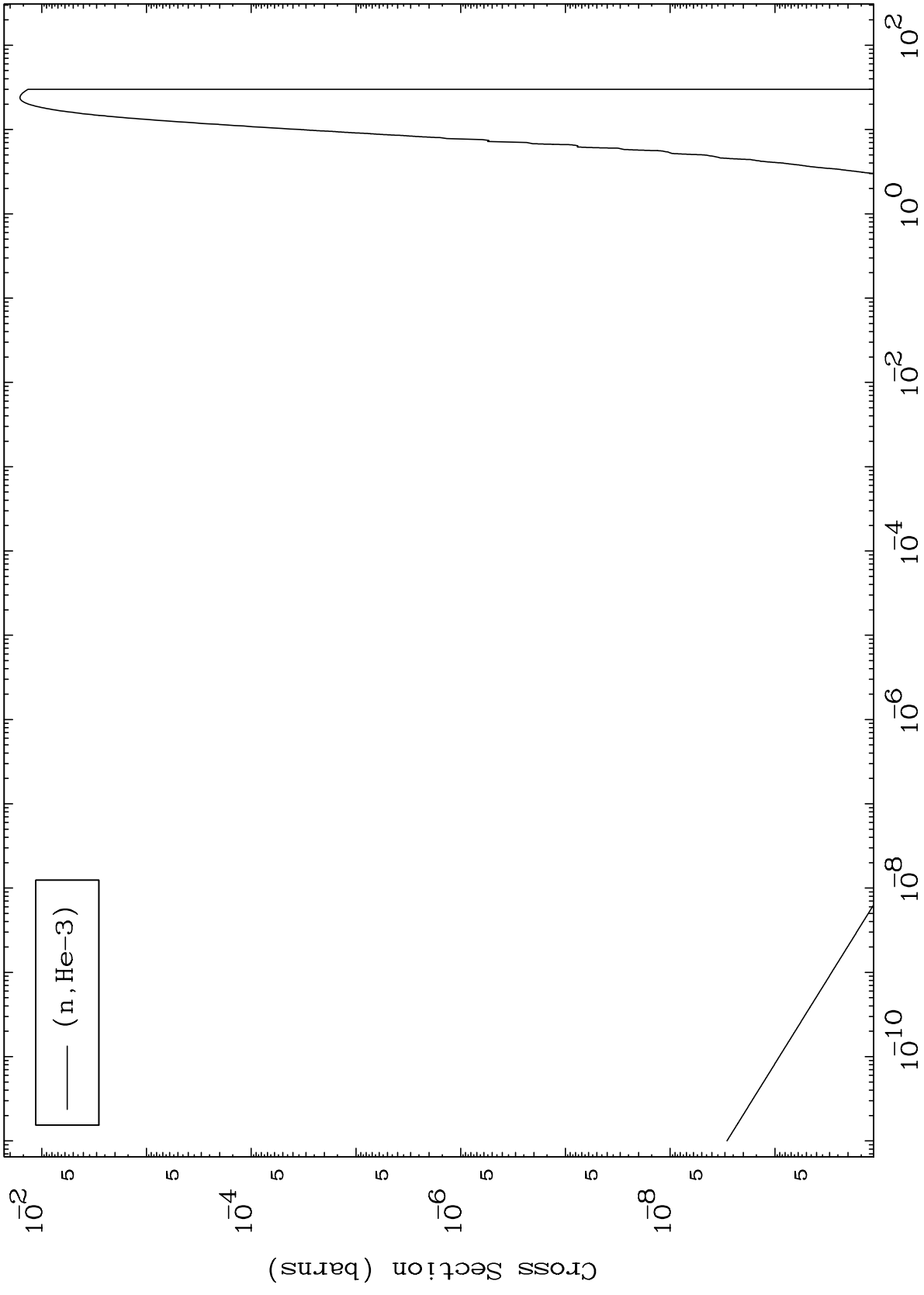
Incident Energy (MeV)

56-Ba-117

MAT 5586

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-117

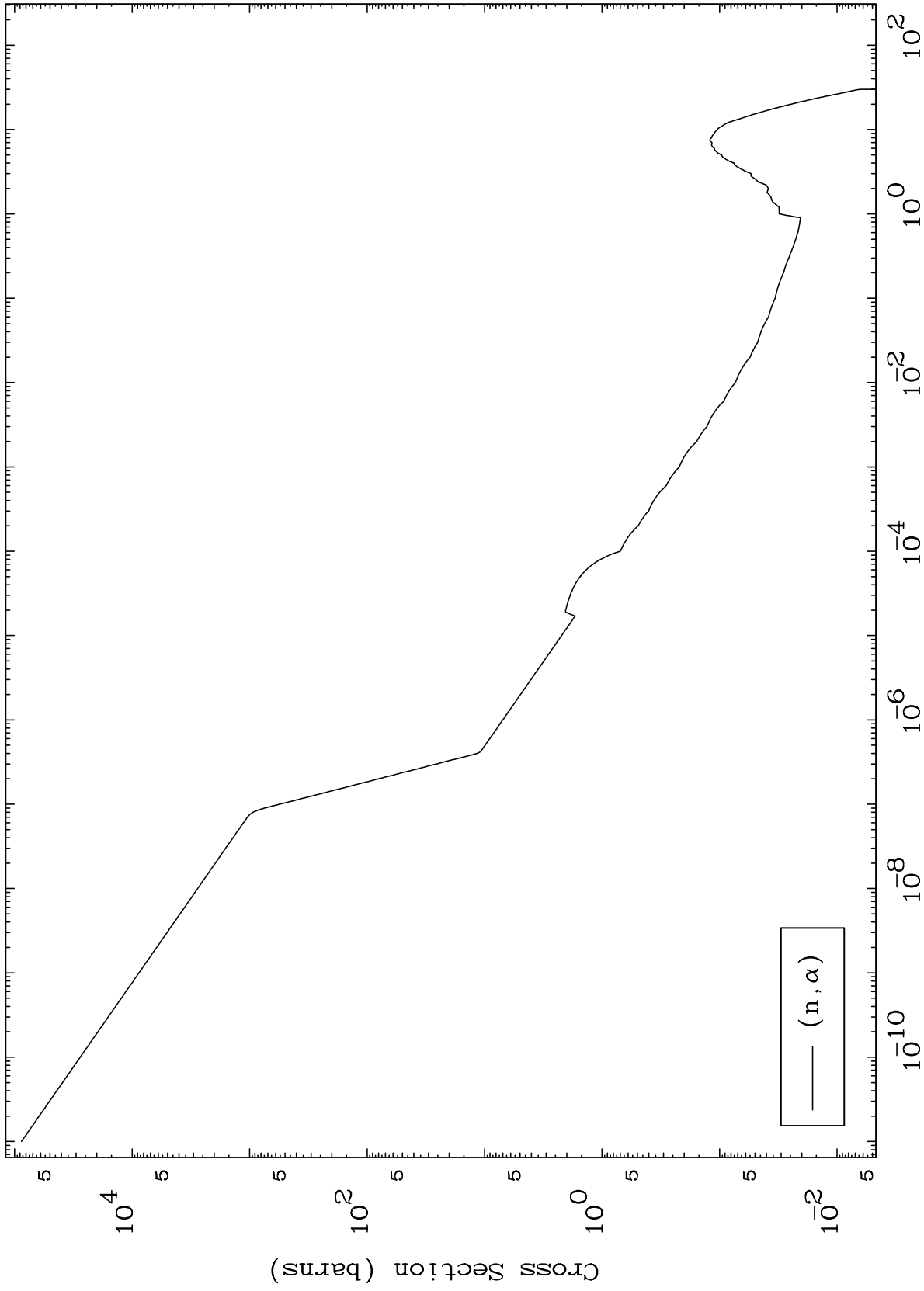


56-Ba-117

MAT 5586

(n,α) Levels
293 Kelvin Cross Sections

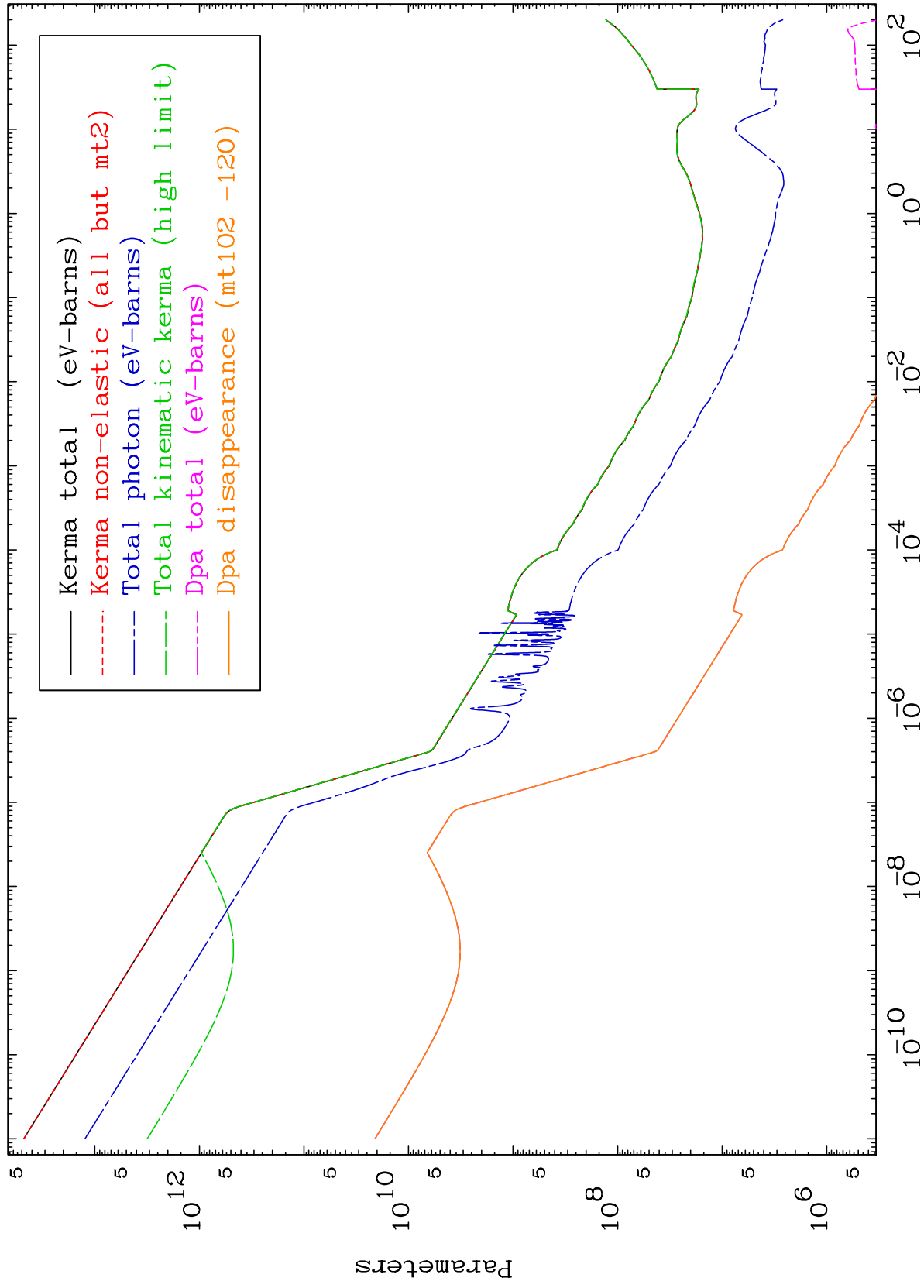
56-Ba-117



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Incident Energy (MeV)

56-Ba-117



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Elastic Legendre Coefficients

56-Ba-117



15

Incident Energy (MeV)

56-Ba-117

30

20

10

0

1.2

1.0

0.8

0.6

0.4

0.2

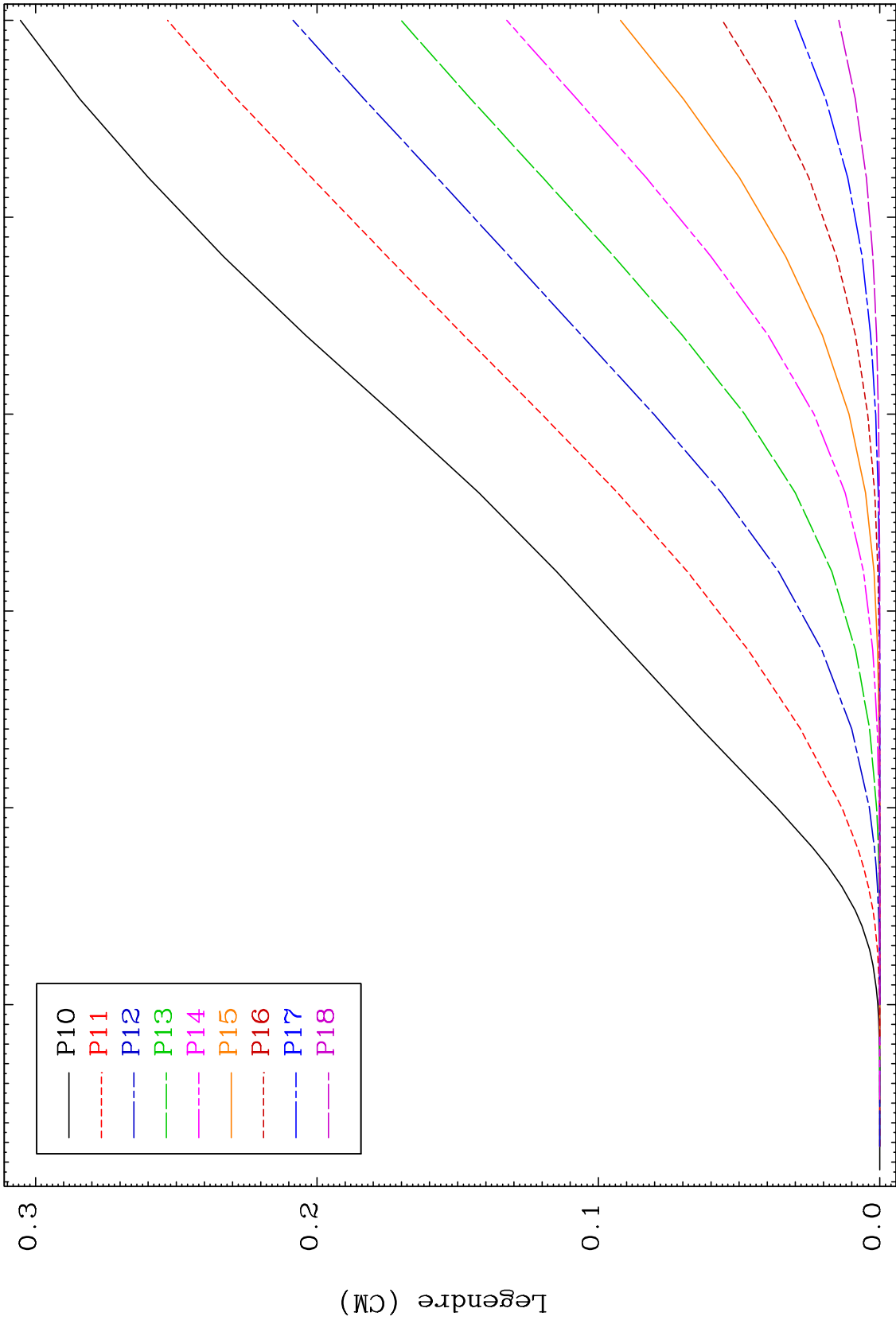
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Legendre (CM)

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Elastic Legendre Coefficients

56-Ba-117



16

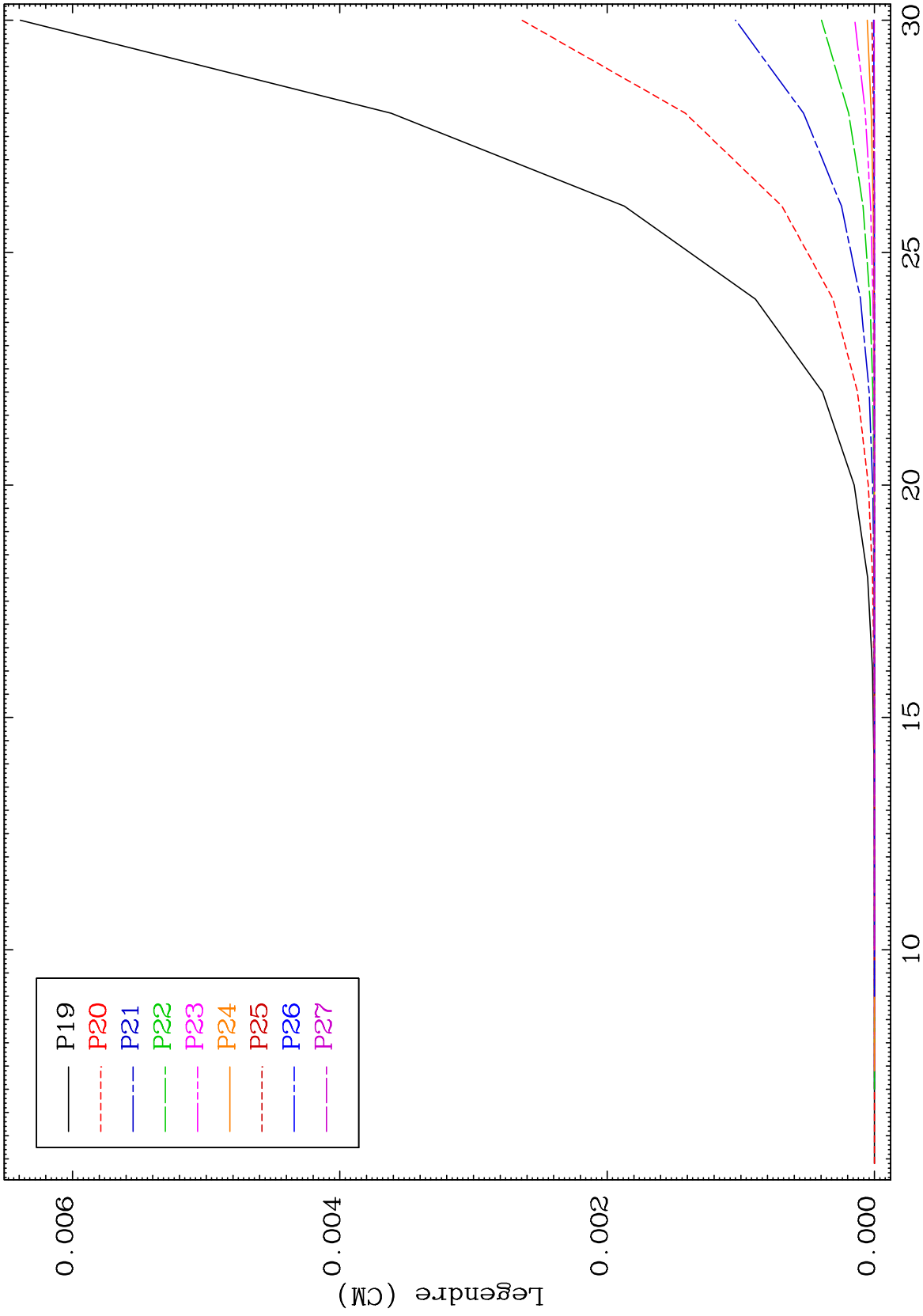
Incident Energy (MeV)

56-Ba-117

MAT 5586

Elastic Legendre Coefficients

56-Ba-117



17

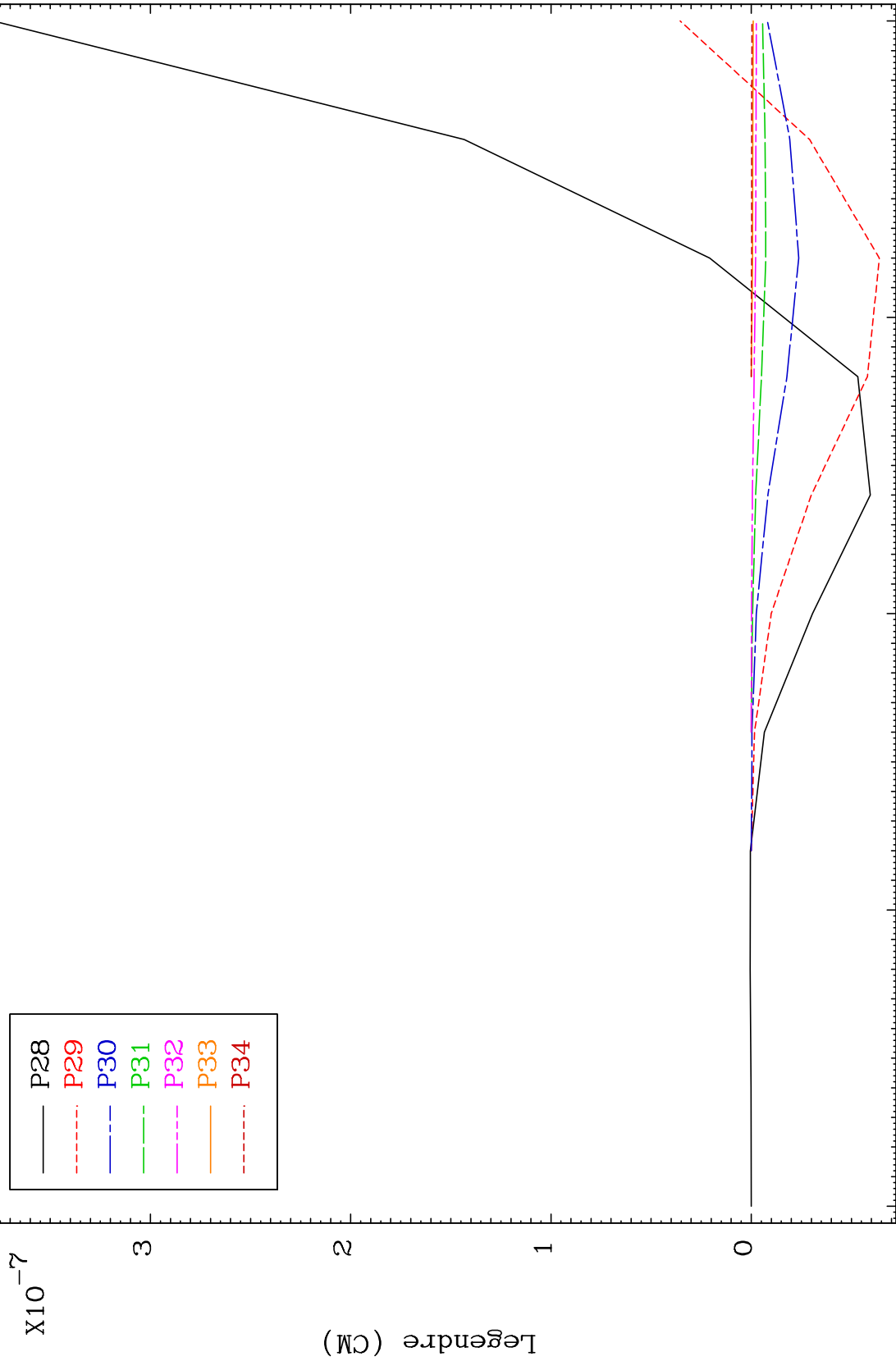
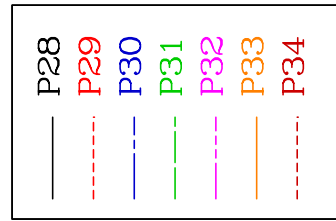
Incident Energy (MeV)

56-Ba-117

MAT 5586

Elastic Legendre Coefficients

56-Ba-117



18

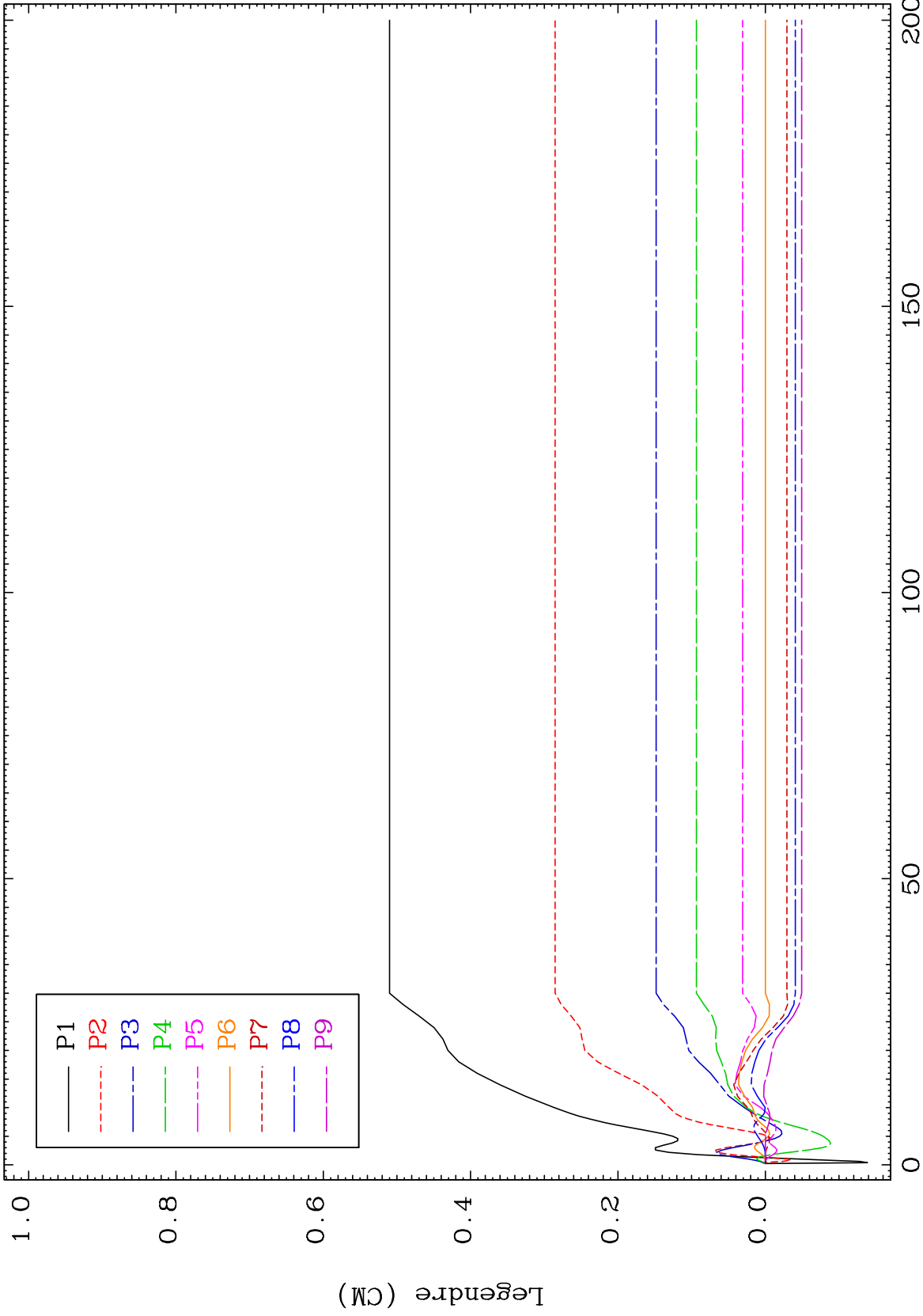
Incident Energy (MeV)

56-Ba-117

MAT 5586

MT= 51 (n,n') Level
Legendre Coefficients

56-Ba-117



19

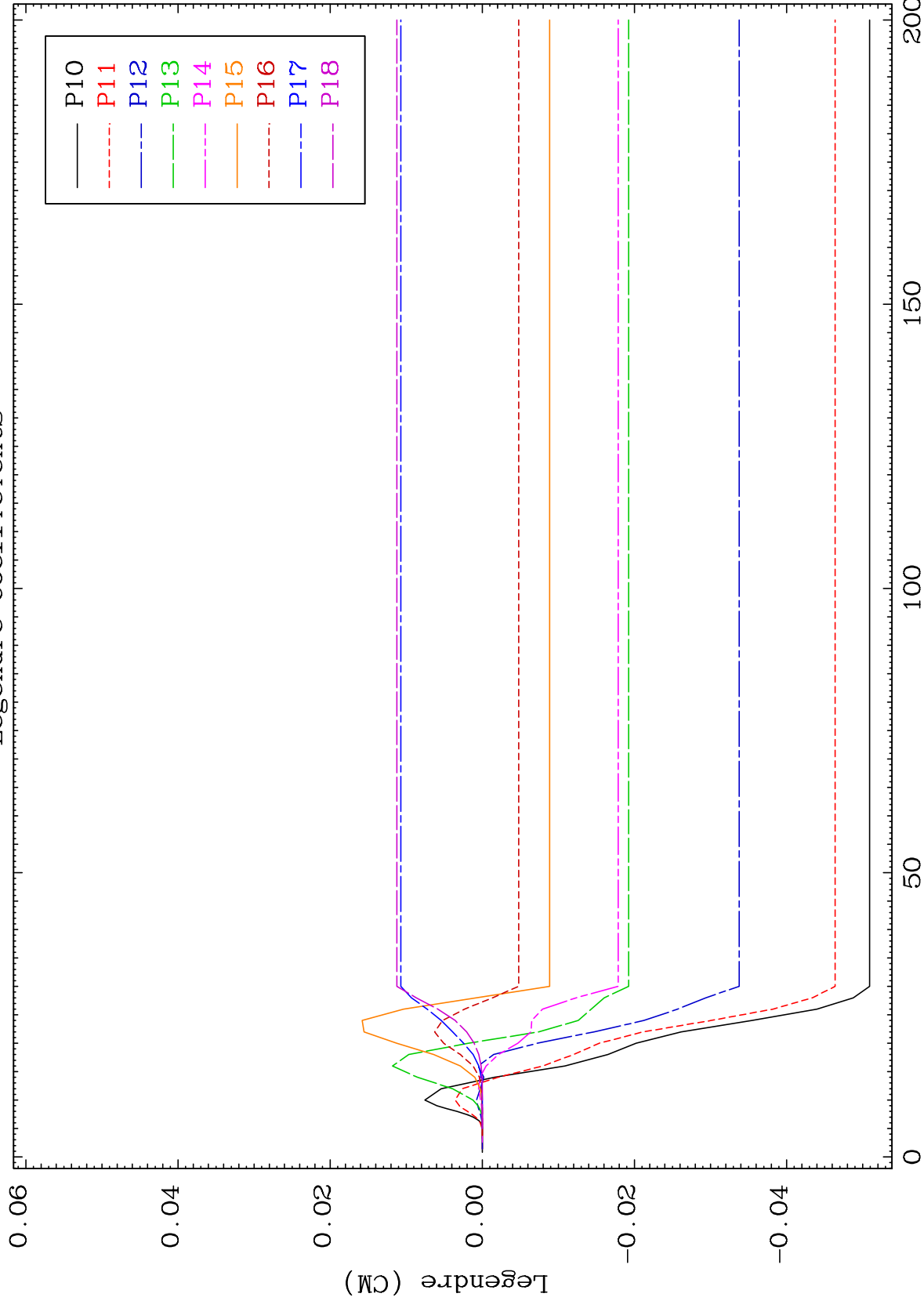
Incident Energy (MeV)

56-Ba-117

MAT 5586

MT= 51 (n,n') Level
Legendre Coefficients

56-Ba-117



56-Ba-117

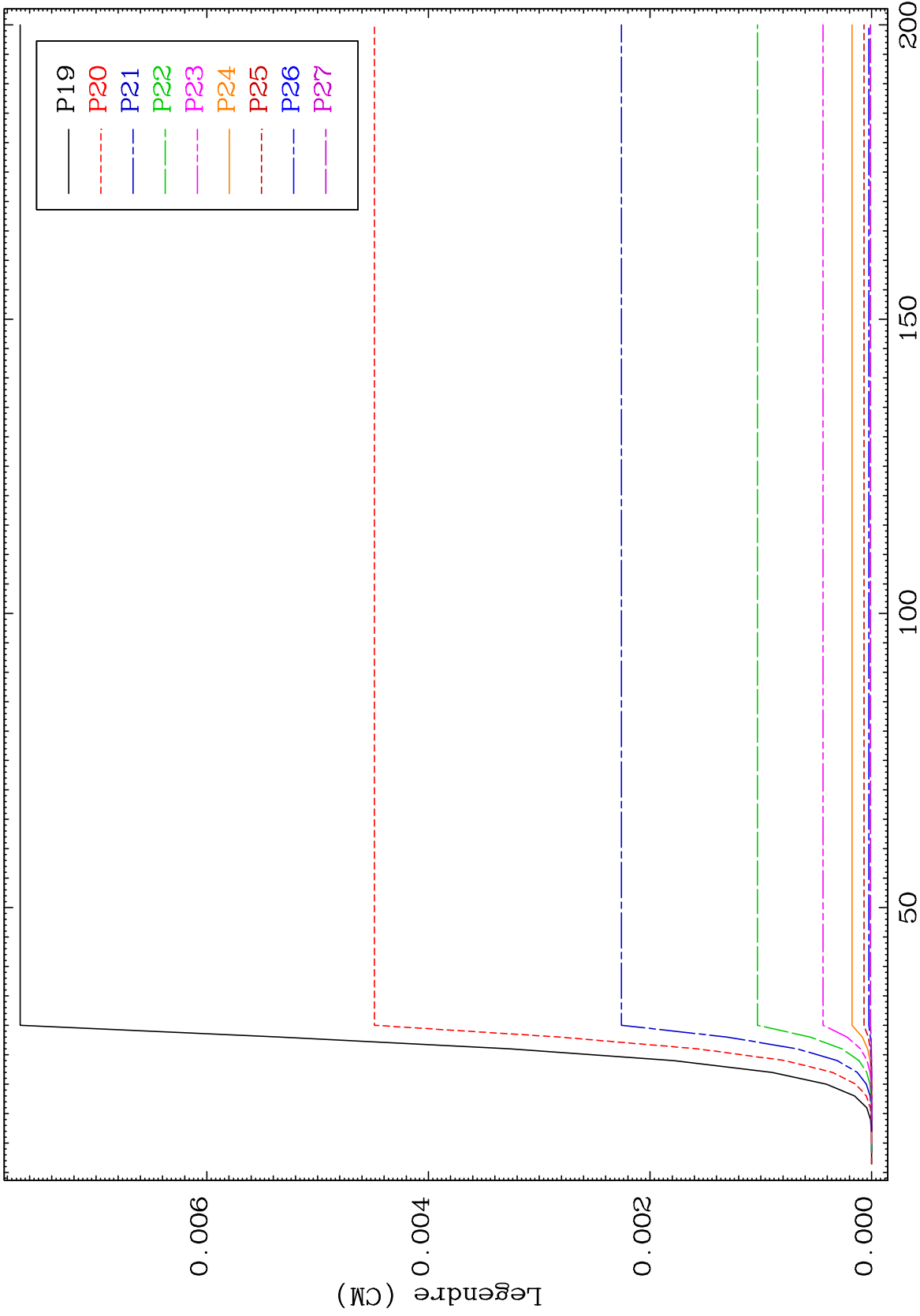
Incident Energy (MeV)

20

MAT 5586

MT= 51 (n,n') Level
Legendre Coefficients

56-Ba-117



21

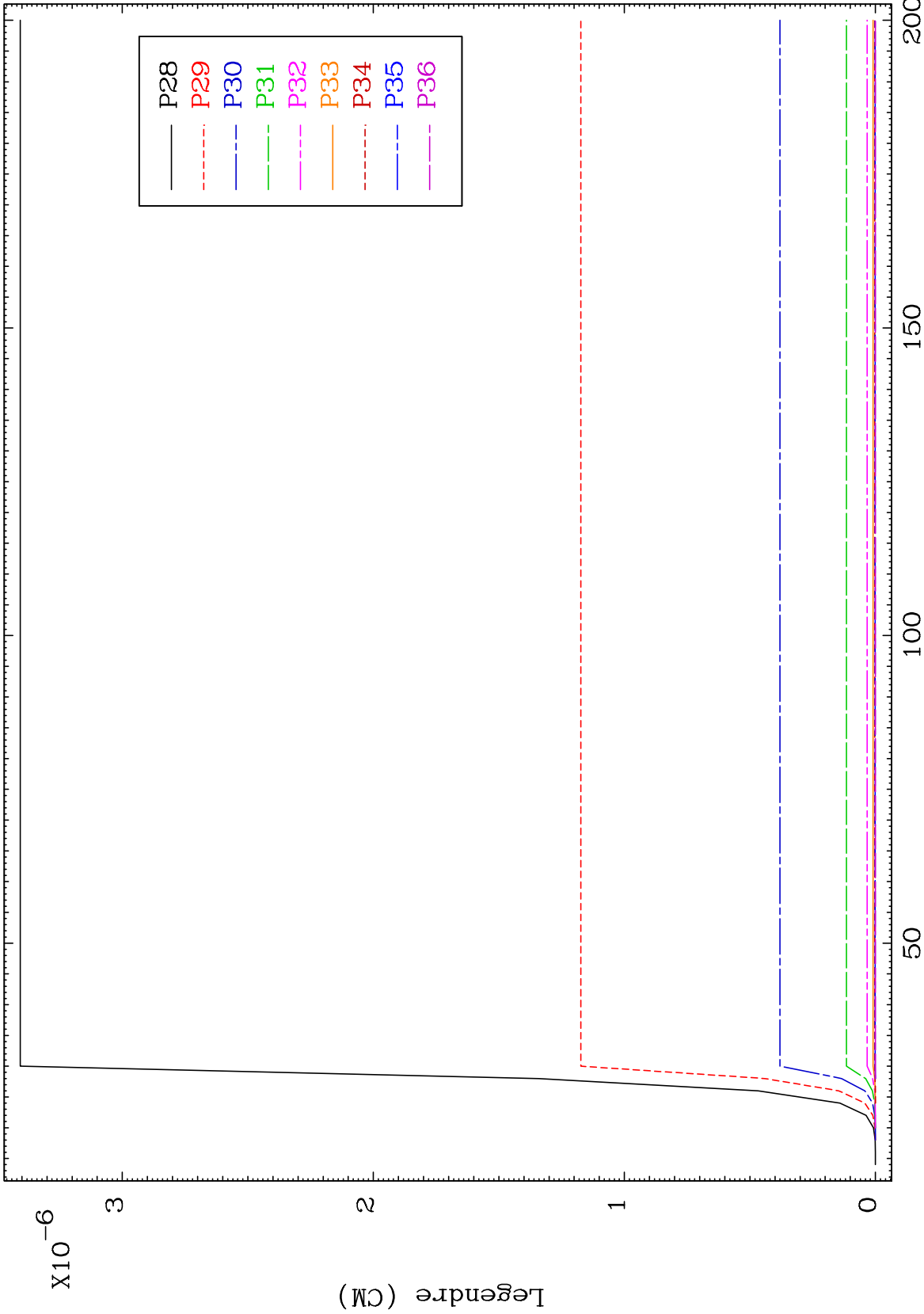
Incident Energy (MeV)

56-Ba-117

MAT 5586

MT= 51 (n,n') Level
Legendre Coefficients

56-Ba-117



22

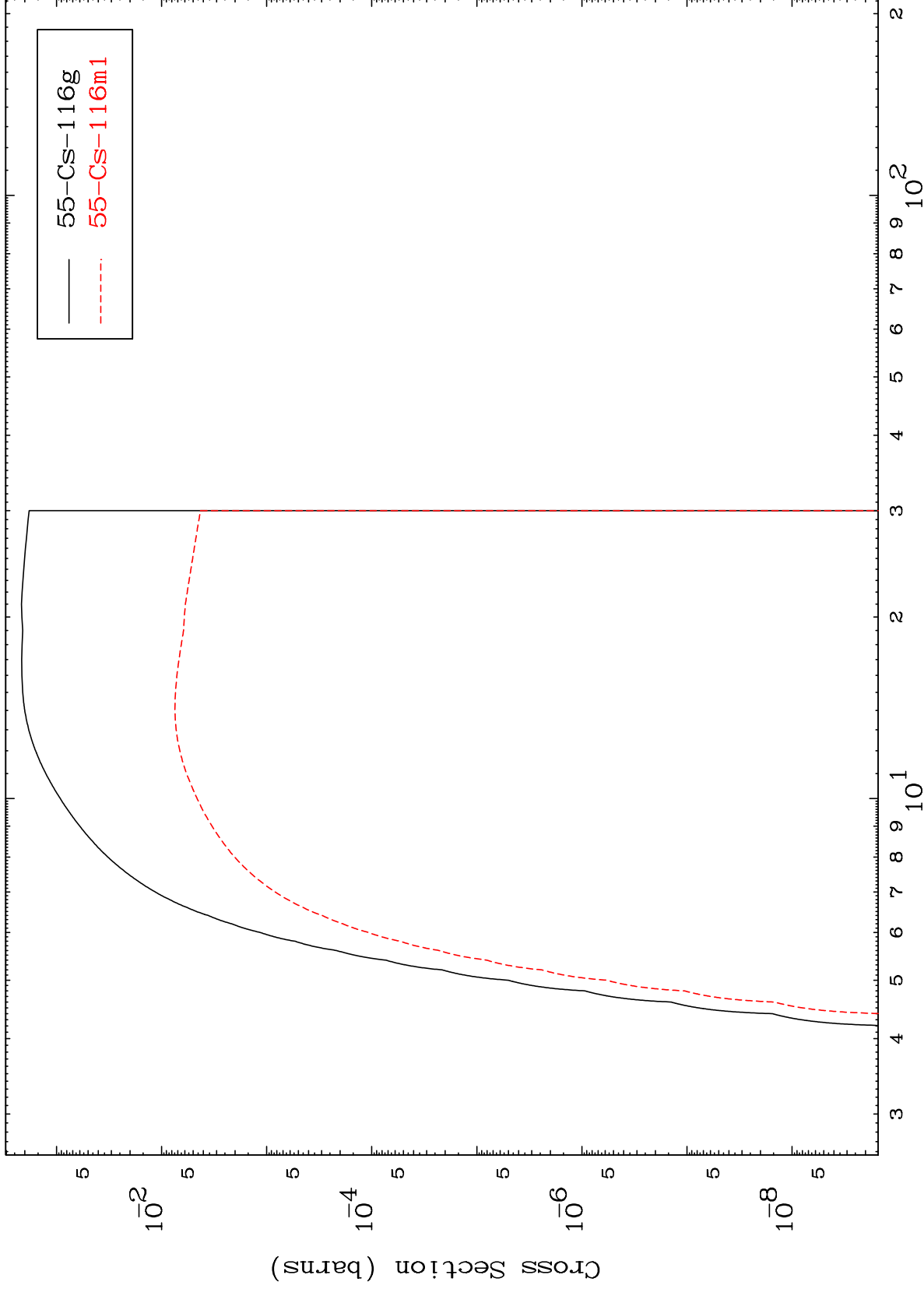
56-Ba-117

MAT 5586

(n,n') p

56-Ba-117

Radionuclide Production Cross Section



23

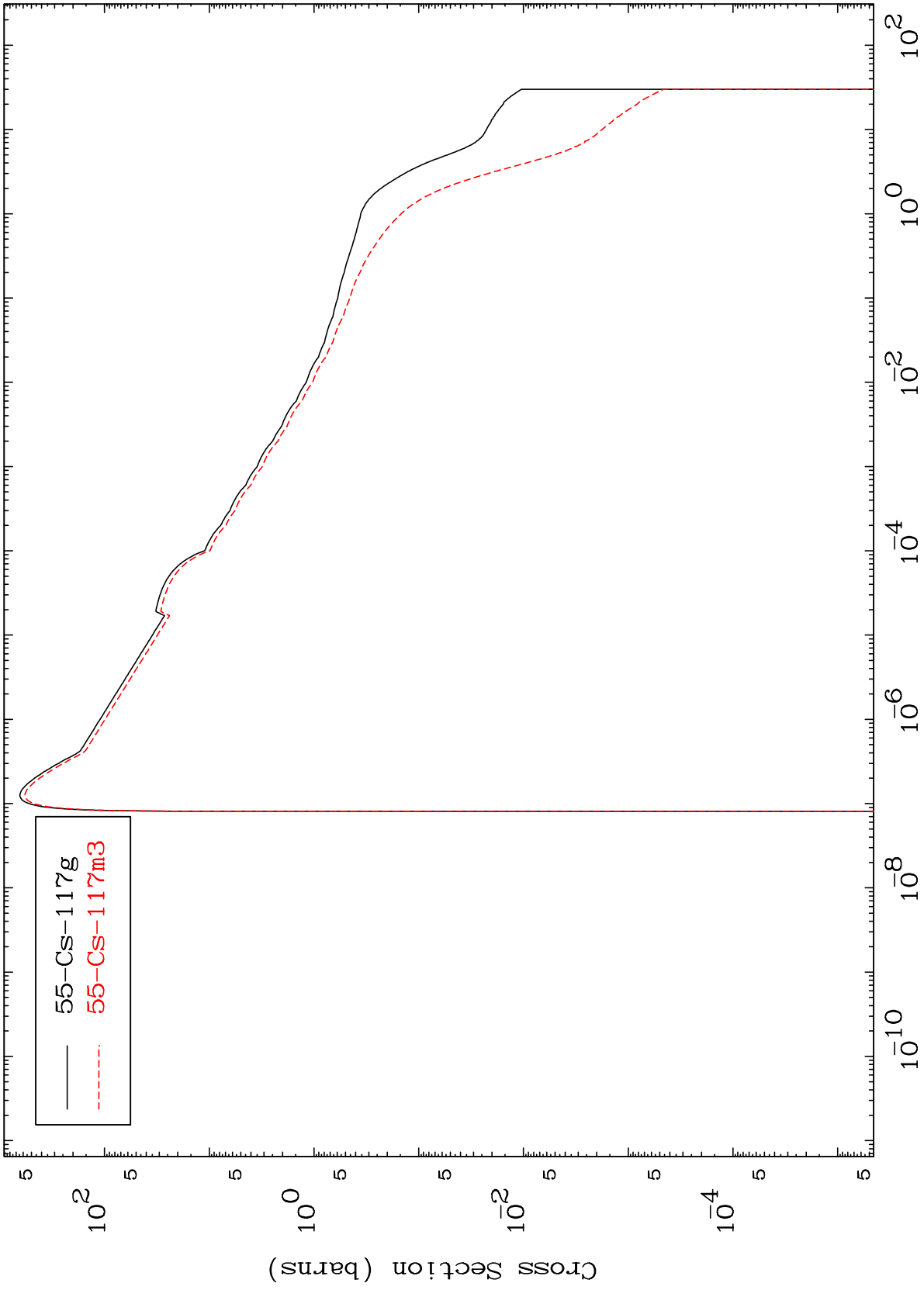
Incident Energy (MeV)

56-Ba-117

MAT 5586

56-Ba-117

Radionuclide Production Cross Section (n,p)



24

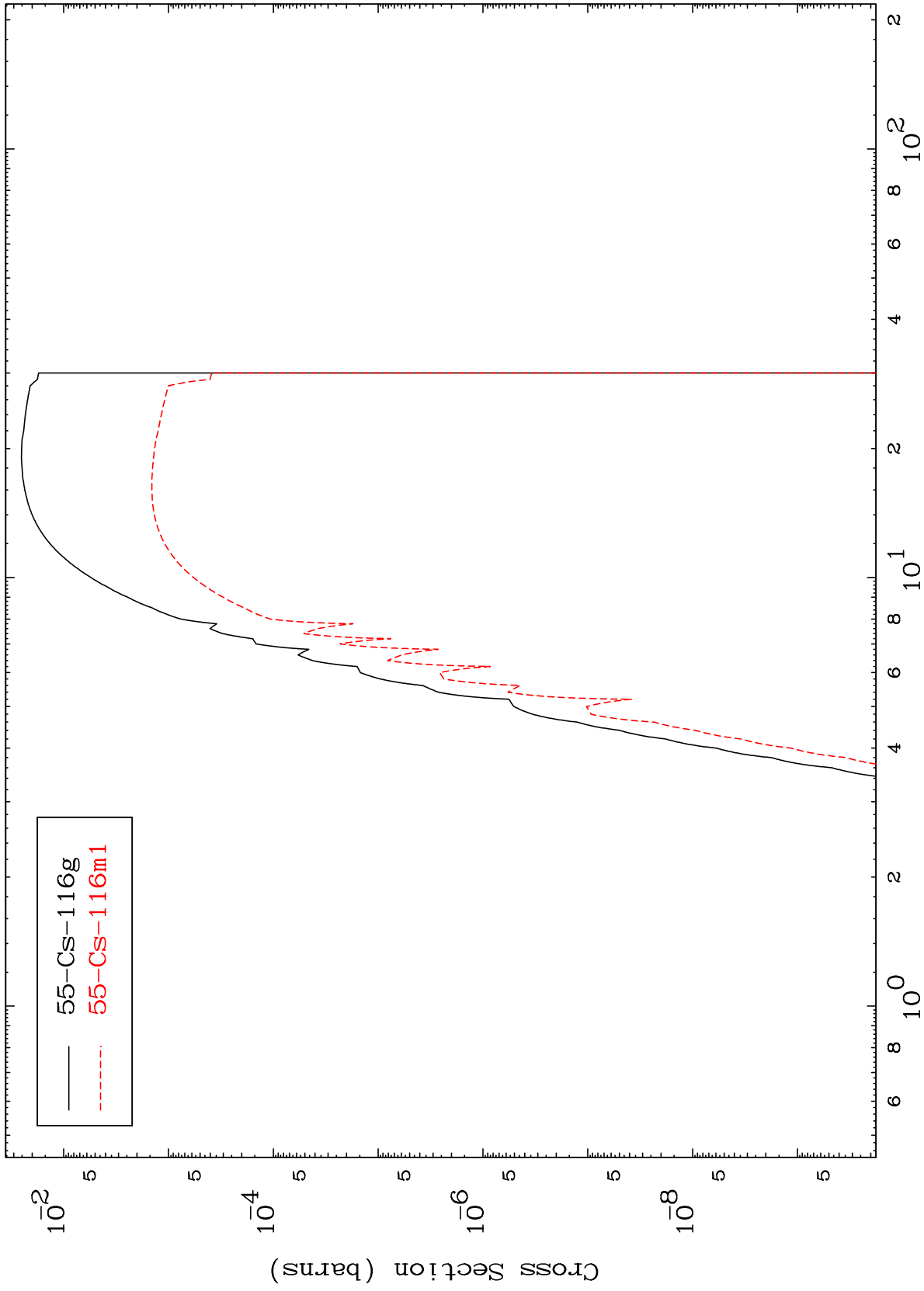
56-Ba-117

MAT 5586

(n,d)

56-Ba-117

Radionuclide Production Cross Section



25

Incident Energy (MeV)

56-Ba-117