

Program EVALPLOT
(Version 2018-1)

by

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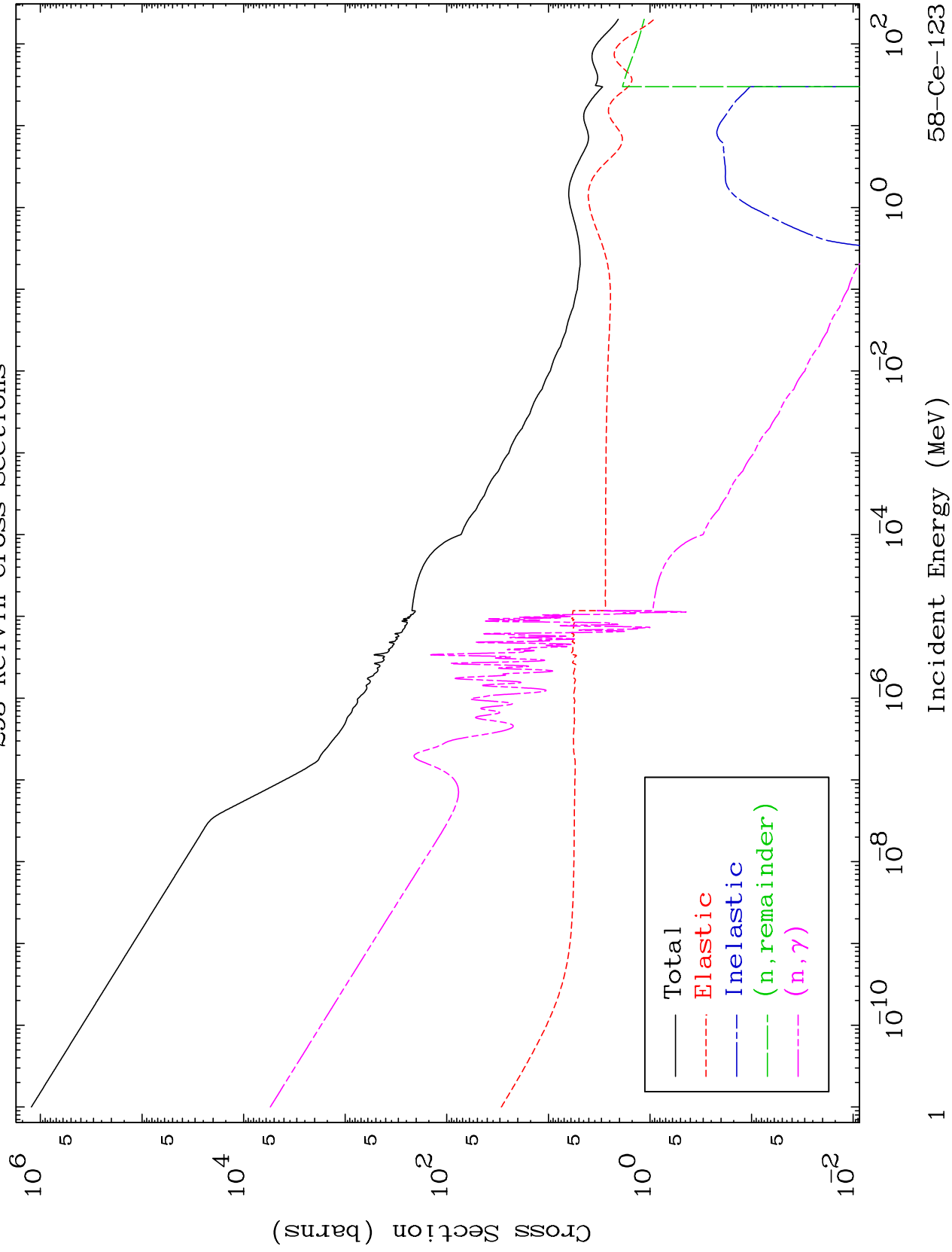
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5786

Major
293 Kelvin Cross Sections

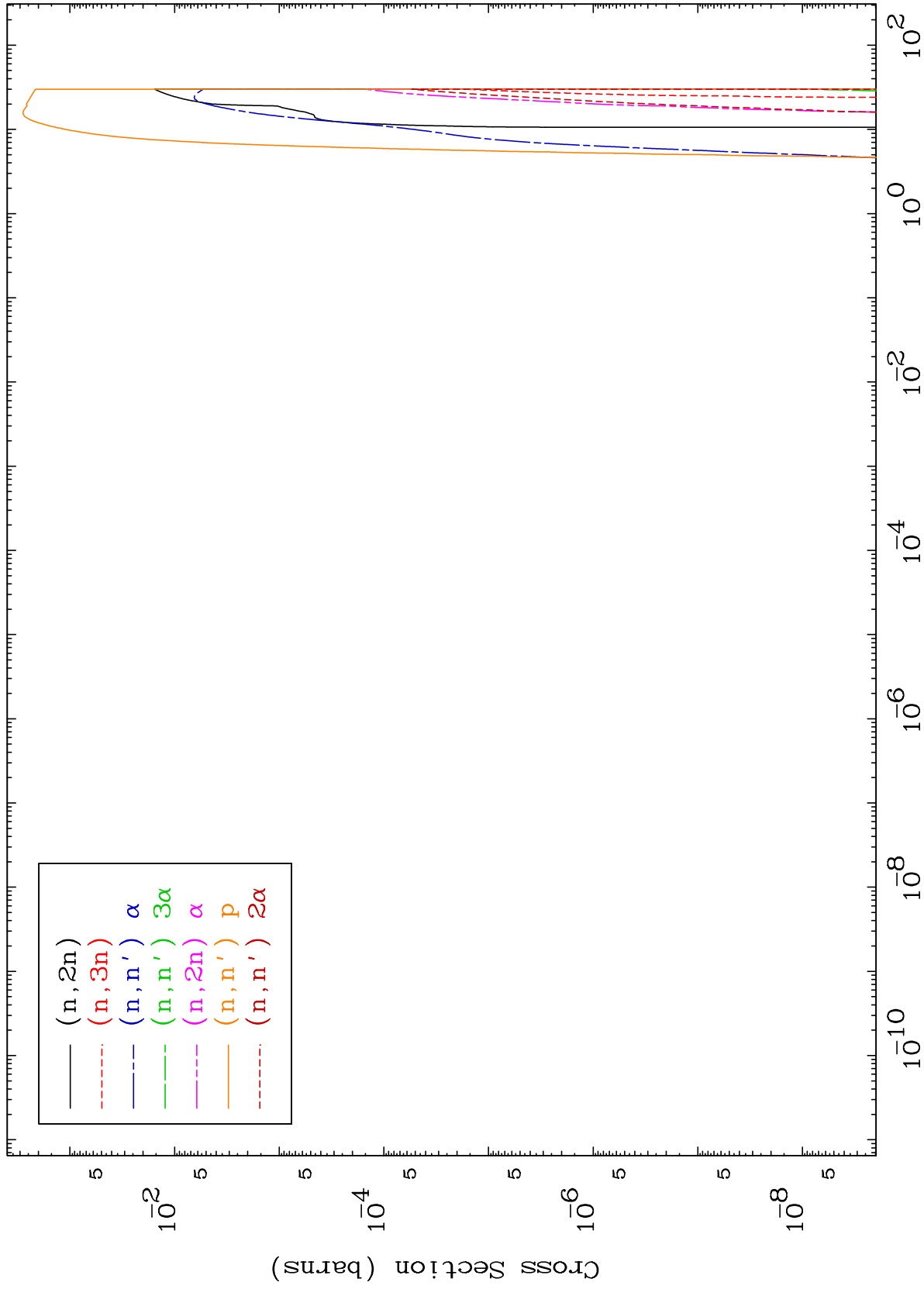
58-Ce-123



MAT 5786

Neutron Production 293 Kelvin Cross Sections

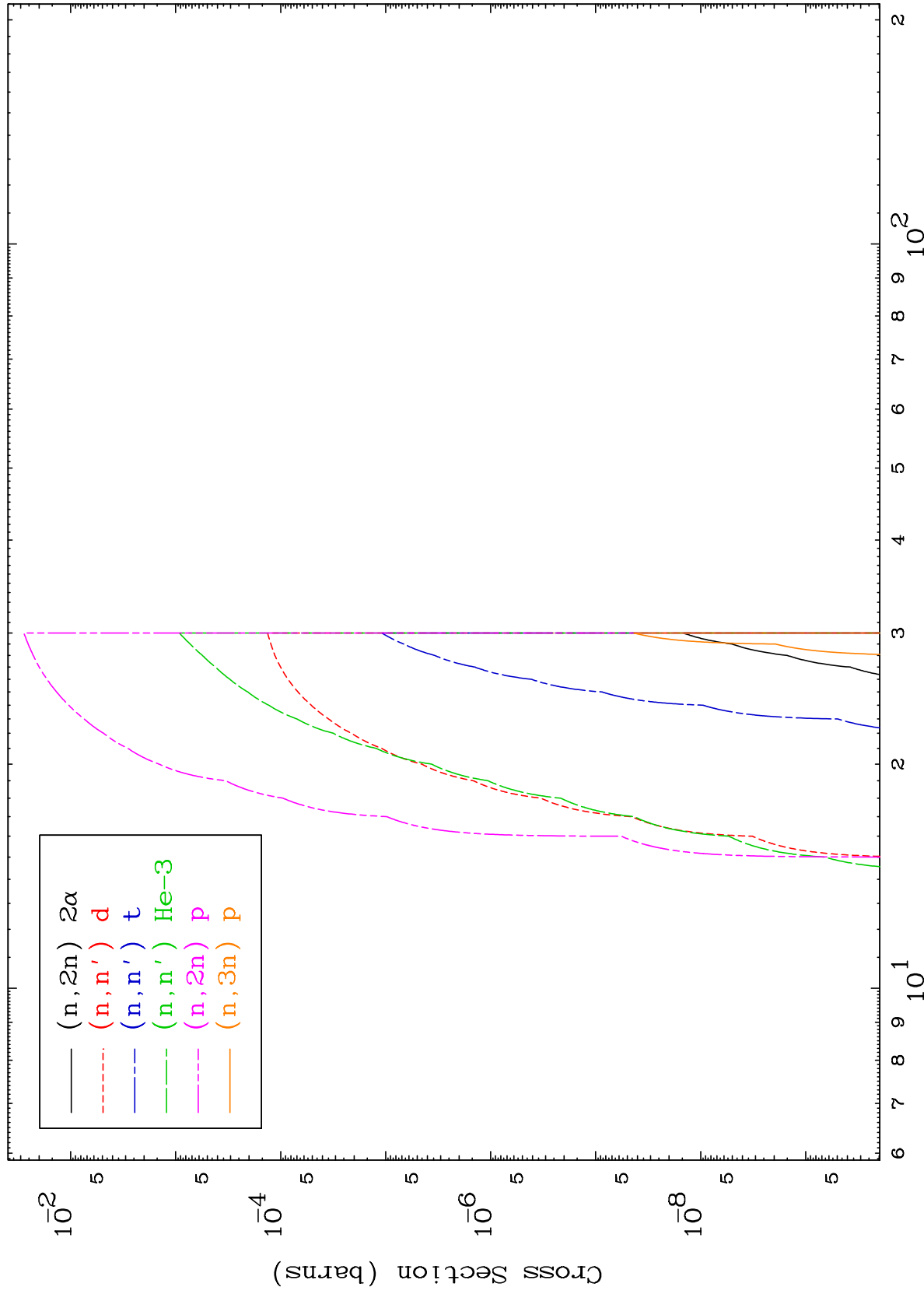
58-Ce-123



2

Incident Energy (MeV)

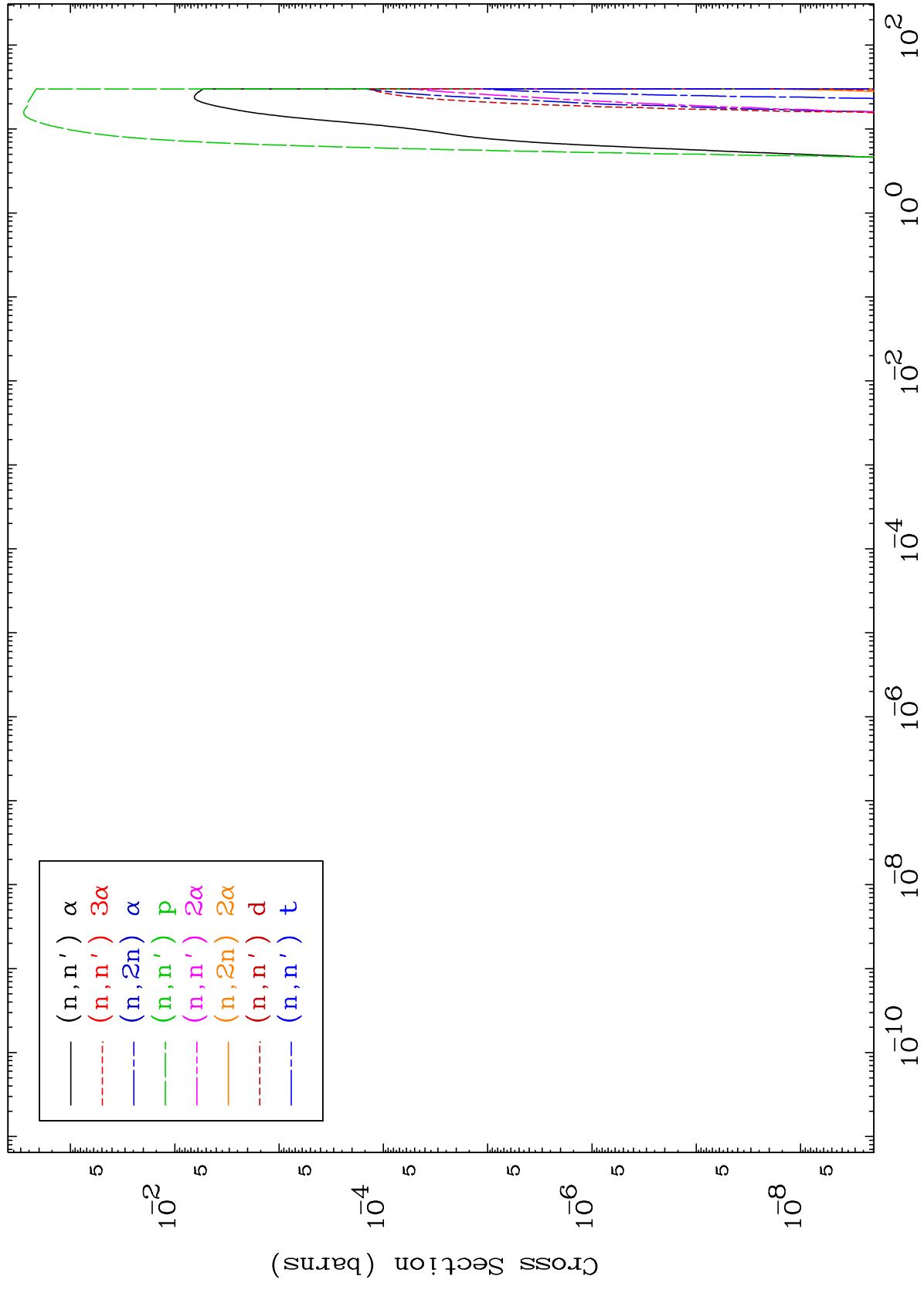
58-Ce-123



MAT 5786

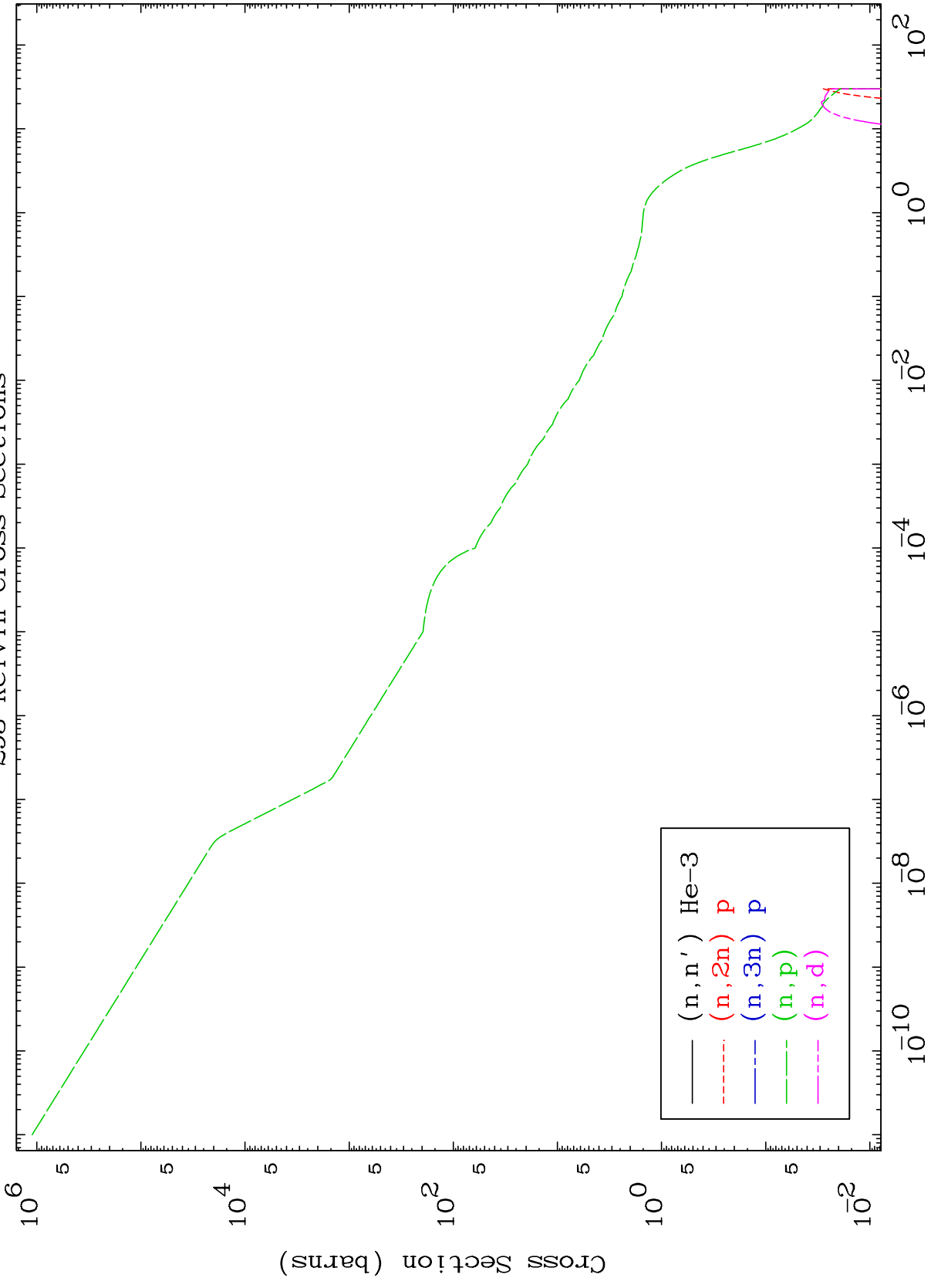
Charged Particle
293 Kelvin Cross Sections

58-Ce-123



58-Ce-123

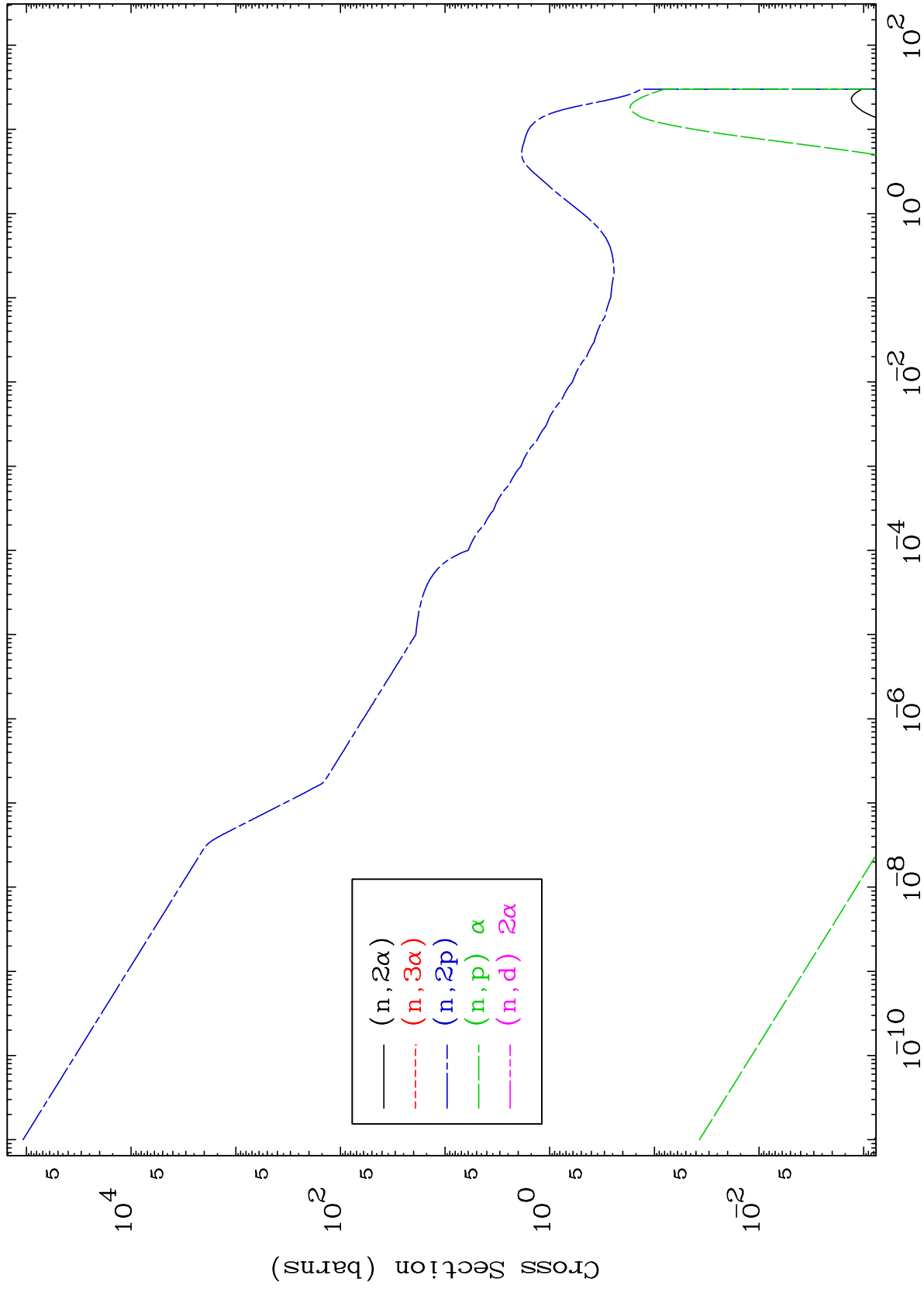
Incident Energy (MeV)



MAT 5786

Charged Particle
293 Kelvin Cross Sections

58-Ce-123



6

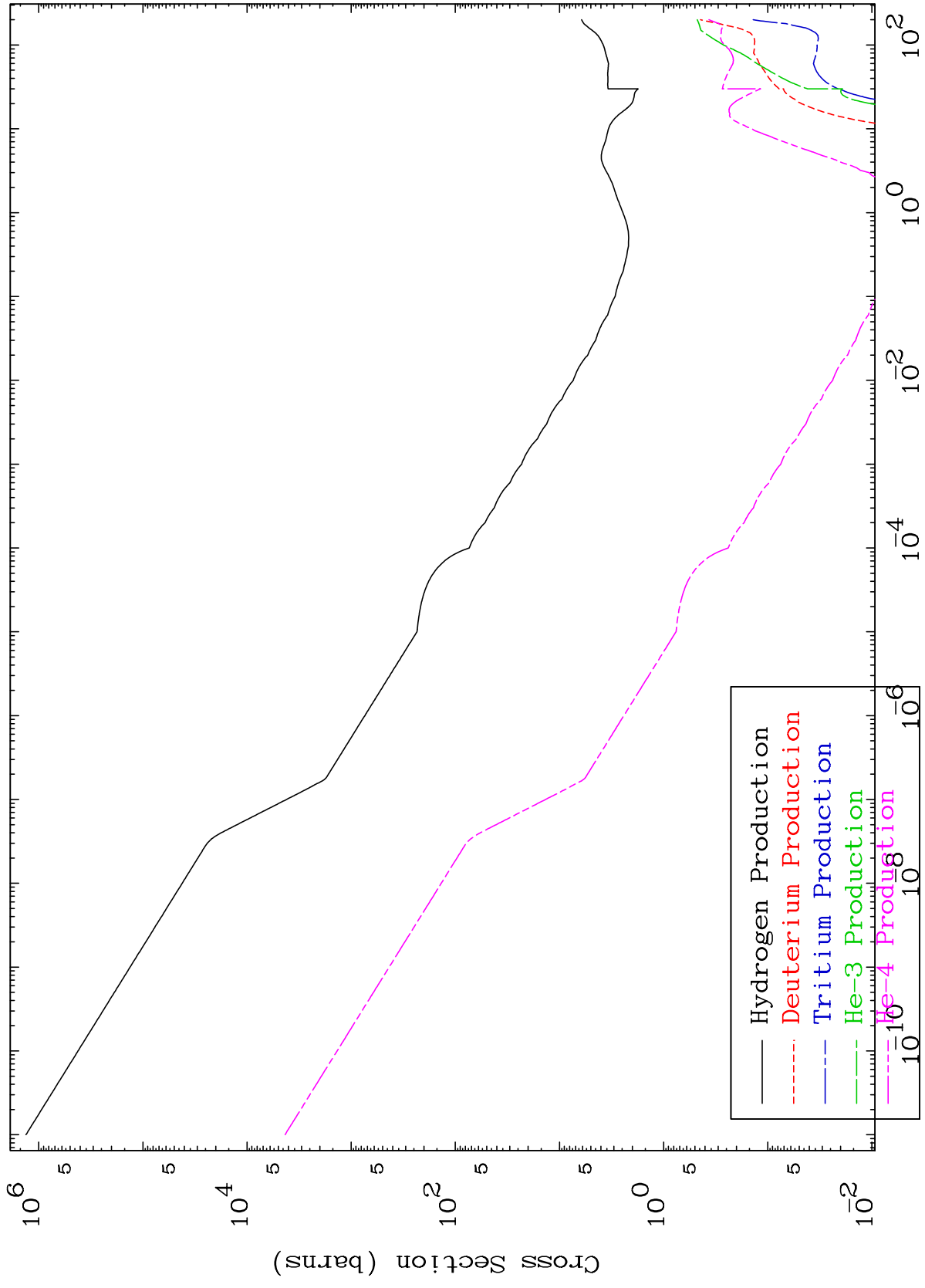
Incident Energy (MeV)

58-Ce-123

MAT 5786

Particle Production
293 Kelvin Cross Sections

58-Ce-123

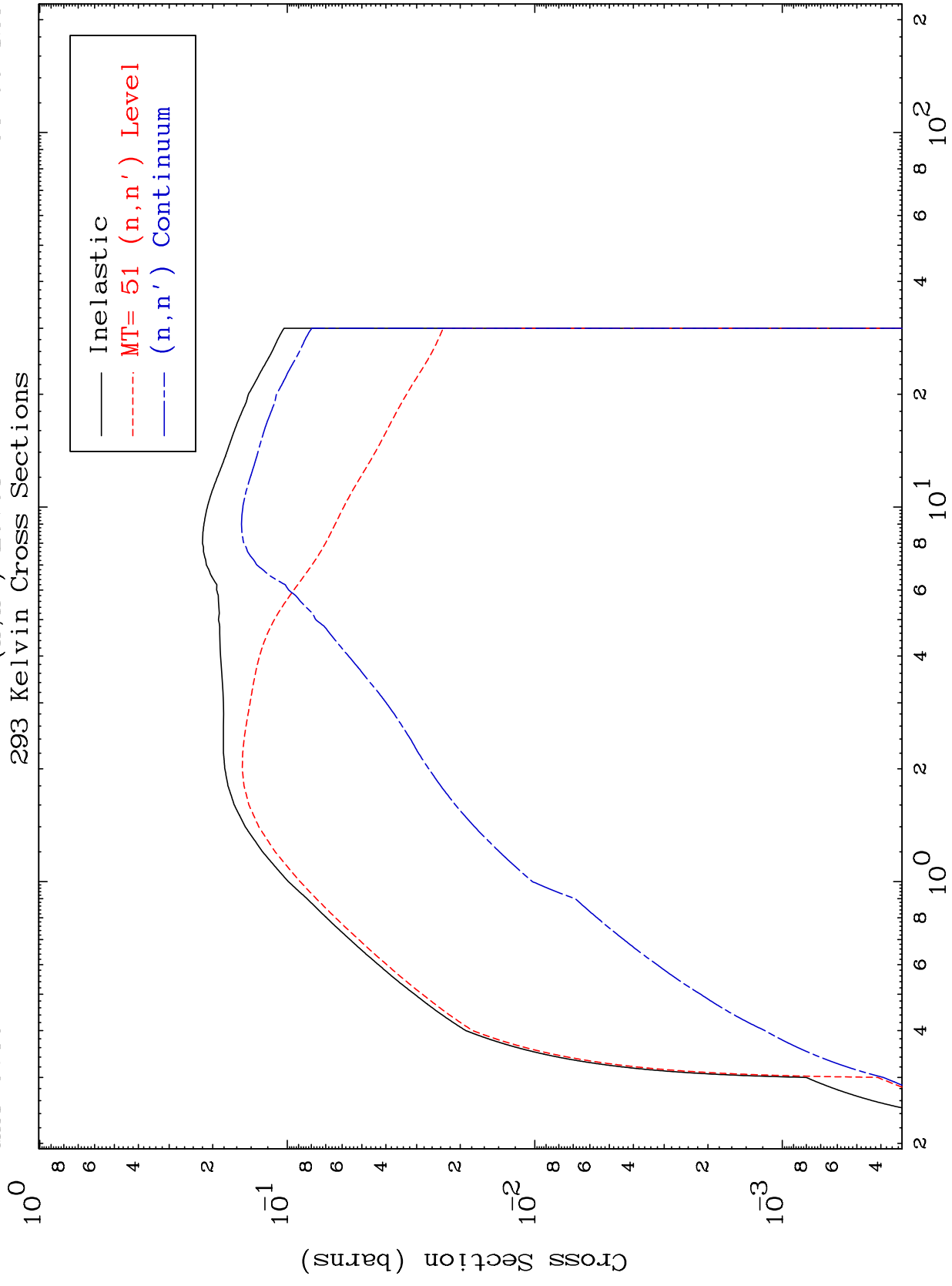


58-Ce-123

MAT 5786

(n,n') Level
293 Kelvin Cross Sections

58-Ce-123



— Inelastic
- - - MT= 51 (n,n') Level
- - - (n,n') Continuum

8

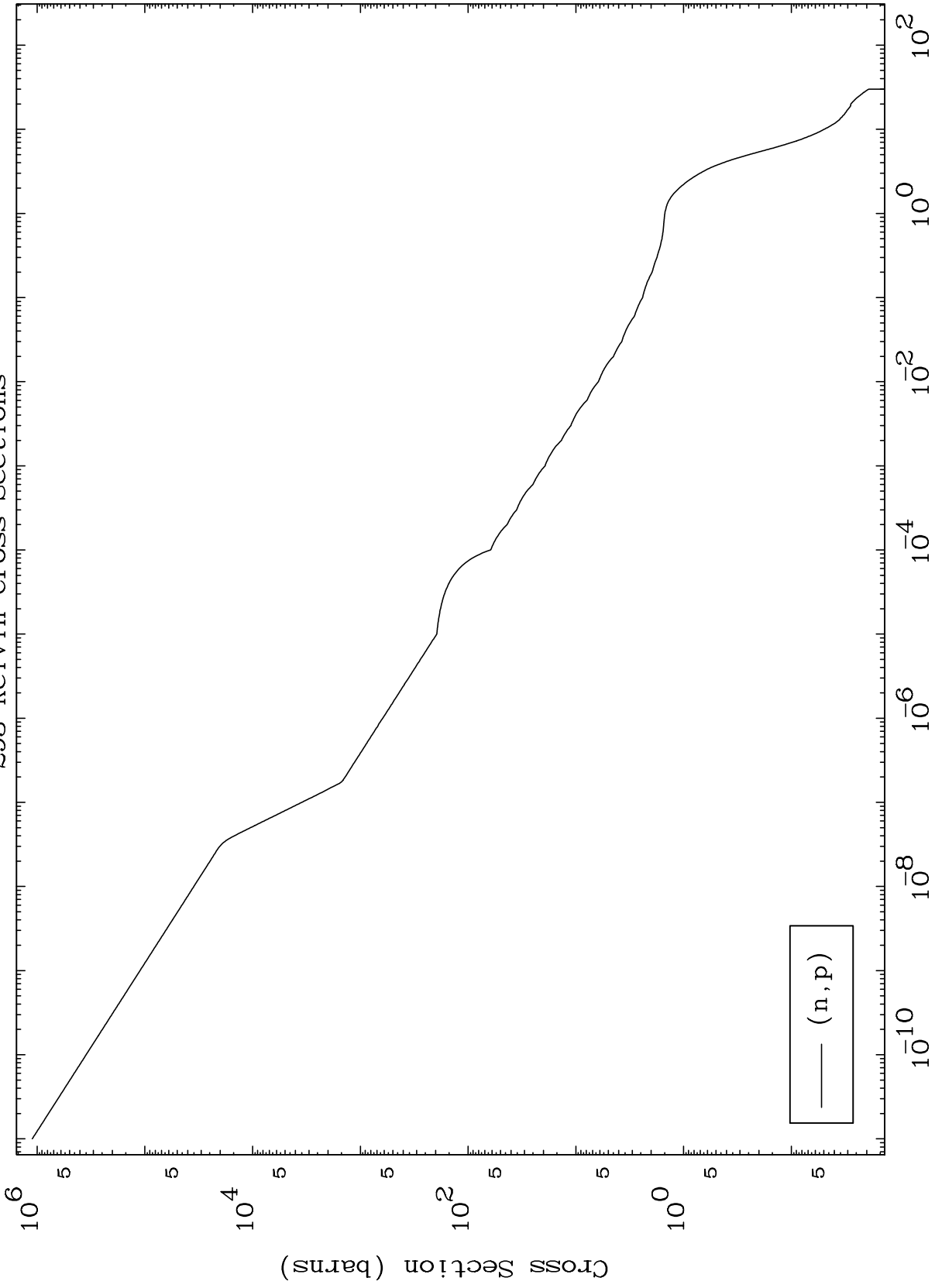
Incident Energy (MeV)

58-Ce-123

MAT 5786

(n,p) Levels
293 Kelvin Cross Sections

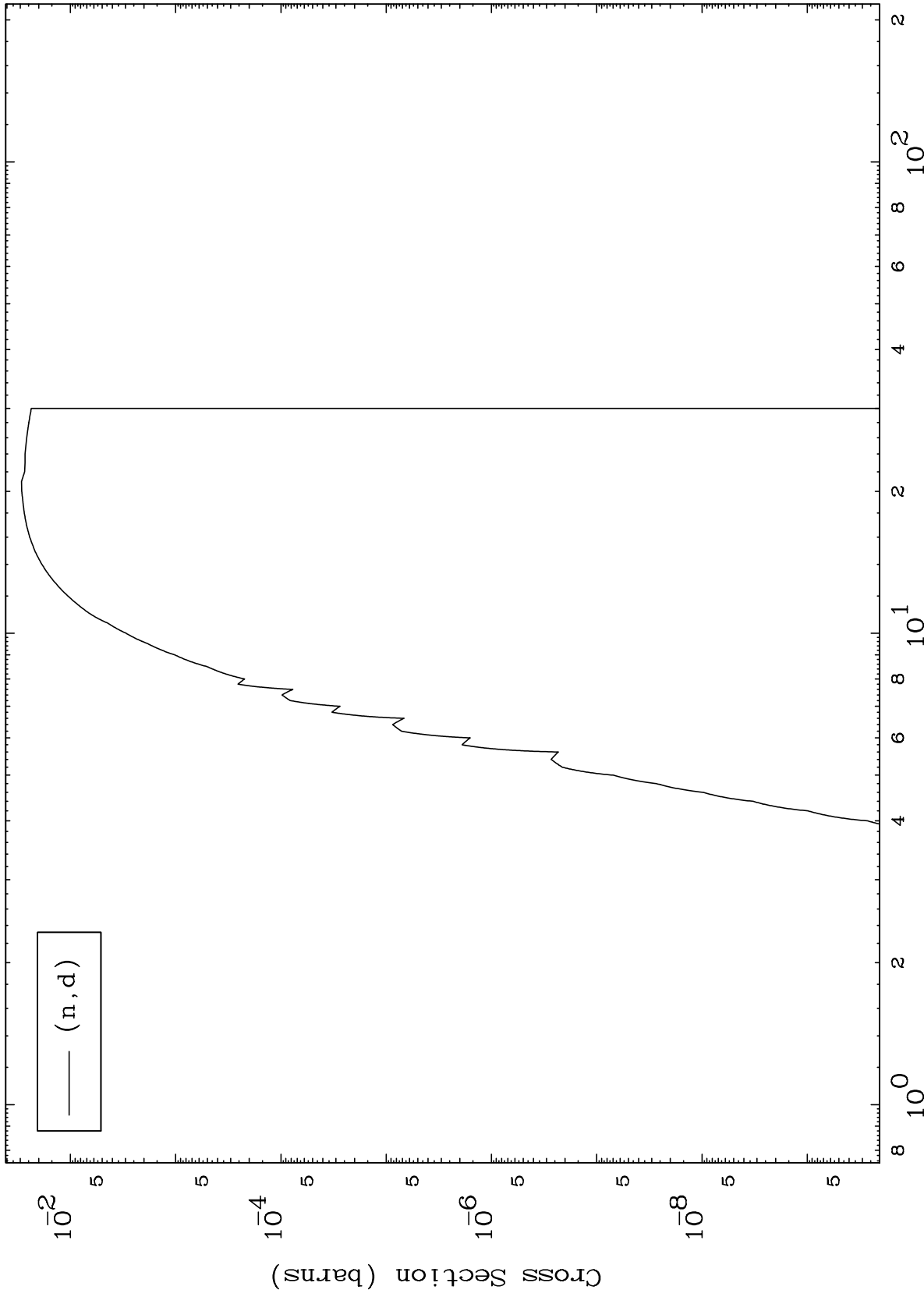
58-Ce-123



MAT 5786

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-123



10

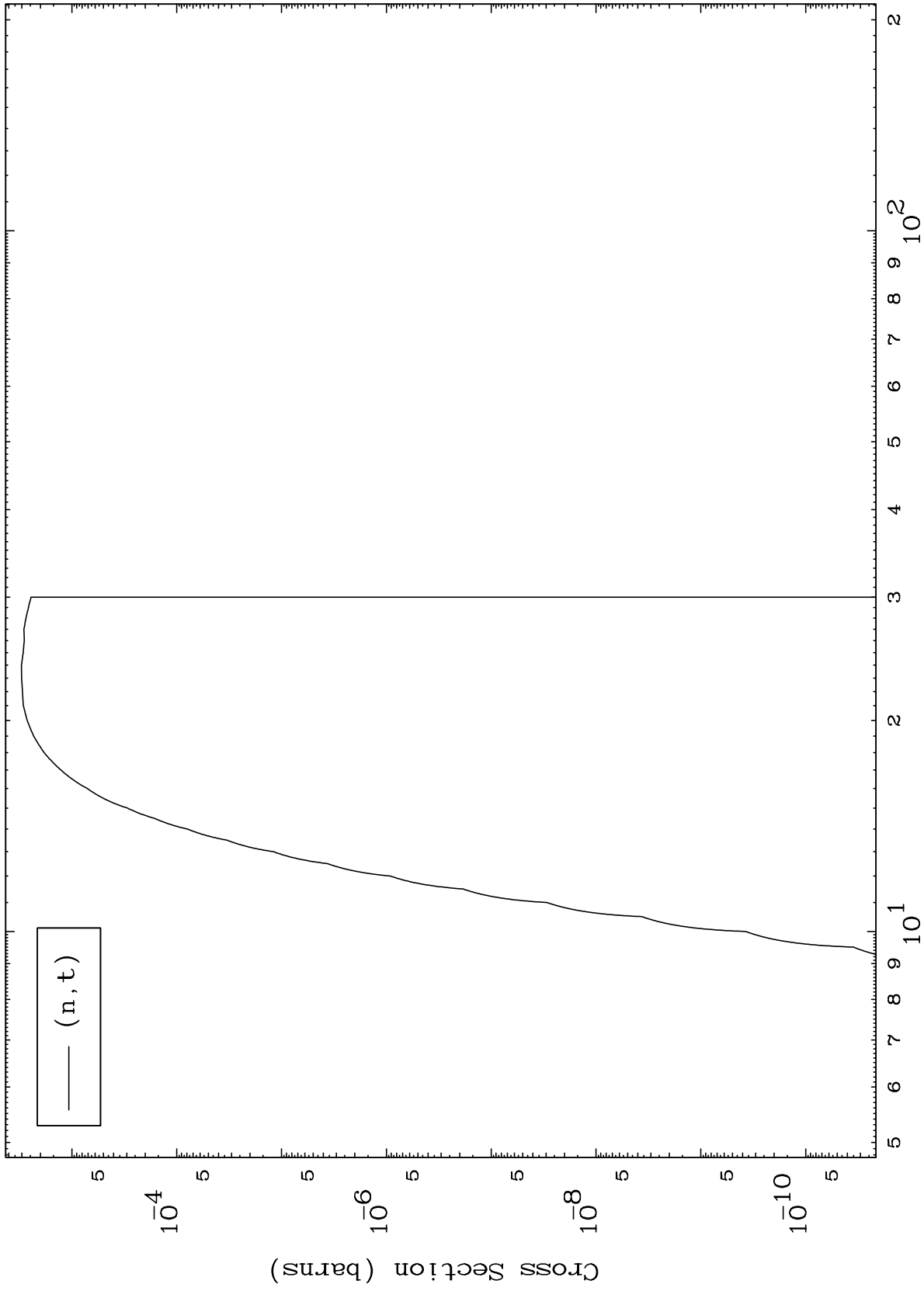
Incident Energy (MeV)

58-Ce-123

MAT 5786

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-123



11

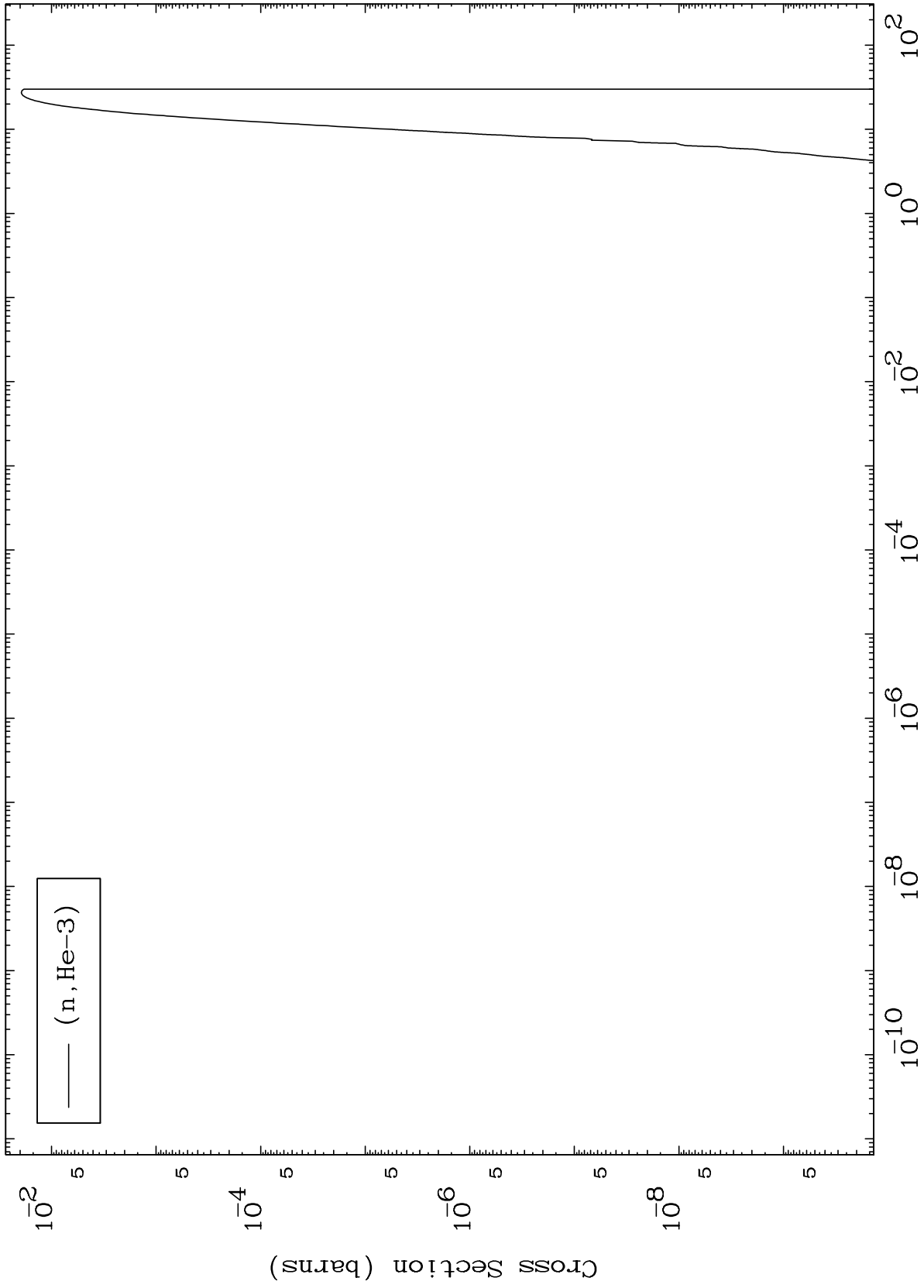
Incident Energy (MeV)

58-Ce-123

MAT 5786

(n,He3) Levels
293 Kelvin Cross Sections

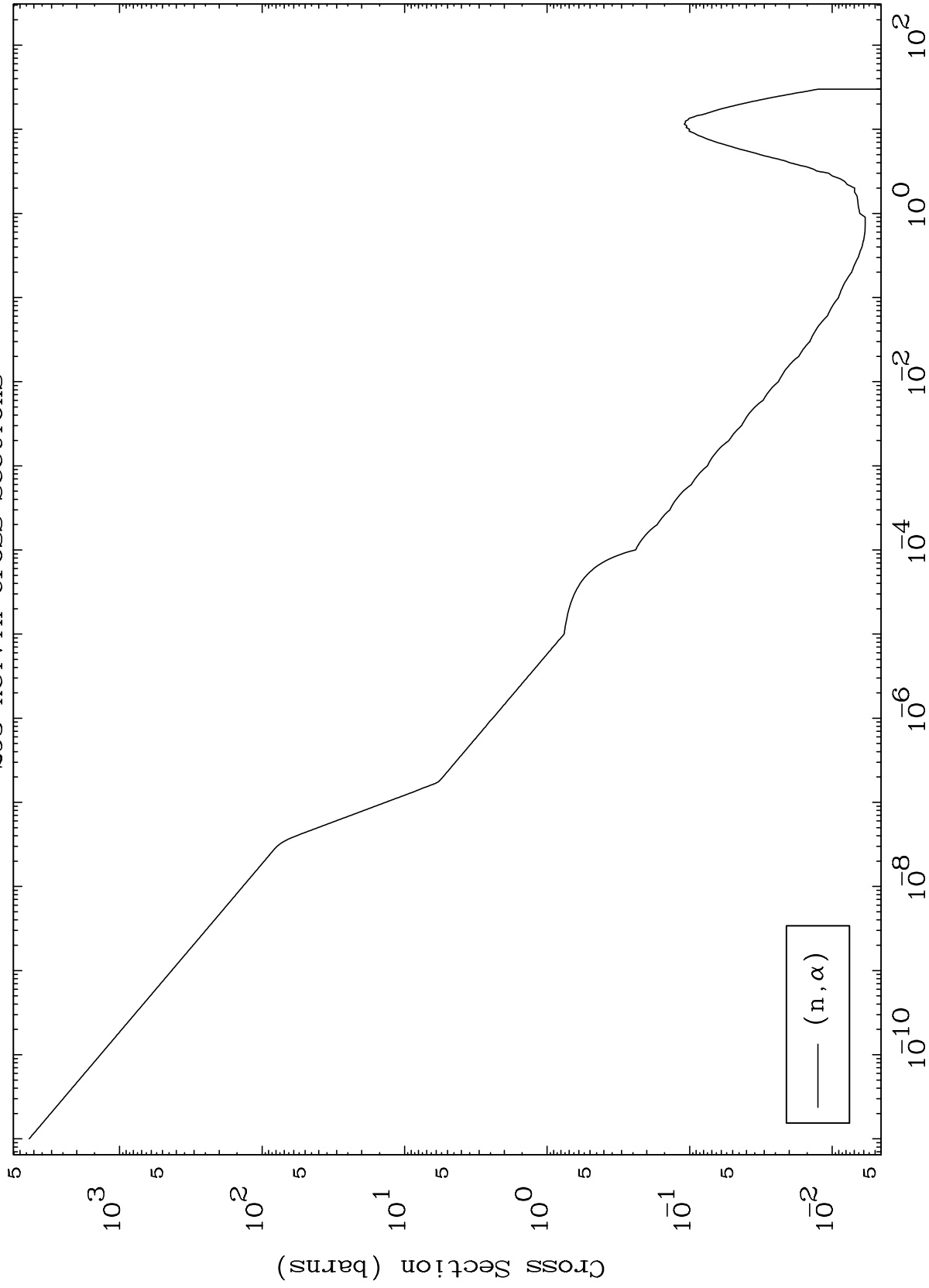
58-Ce-123



MAT 5786

(n,α) Levels
293 Kelvin Cross Sections

58-Ce-123



13

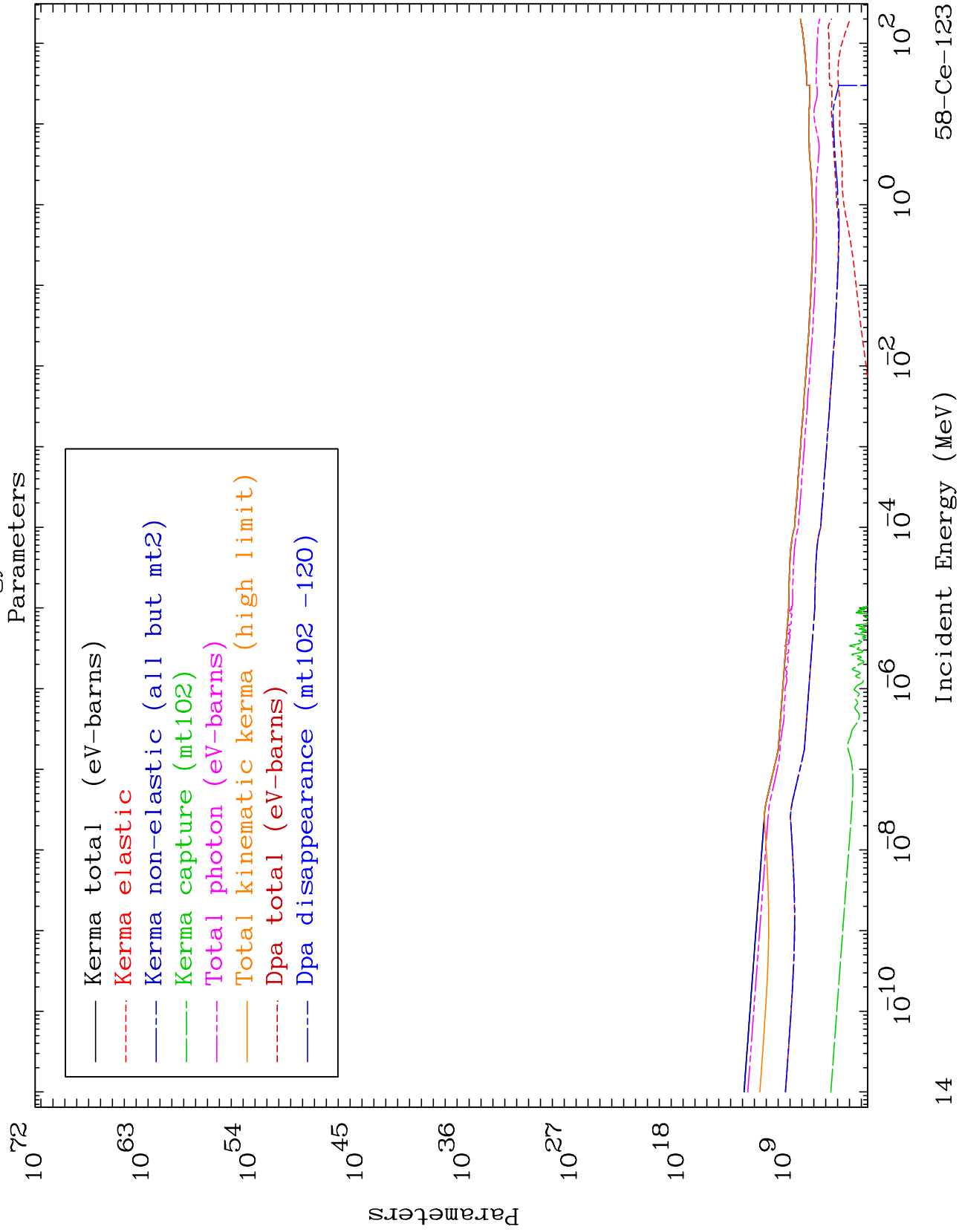
Incident Energy (MeV)

58-Ce-123

MAT 5786

Energy Release
Parameters

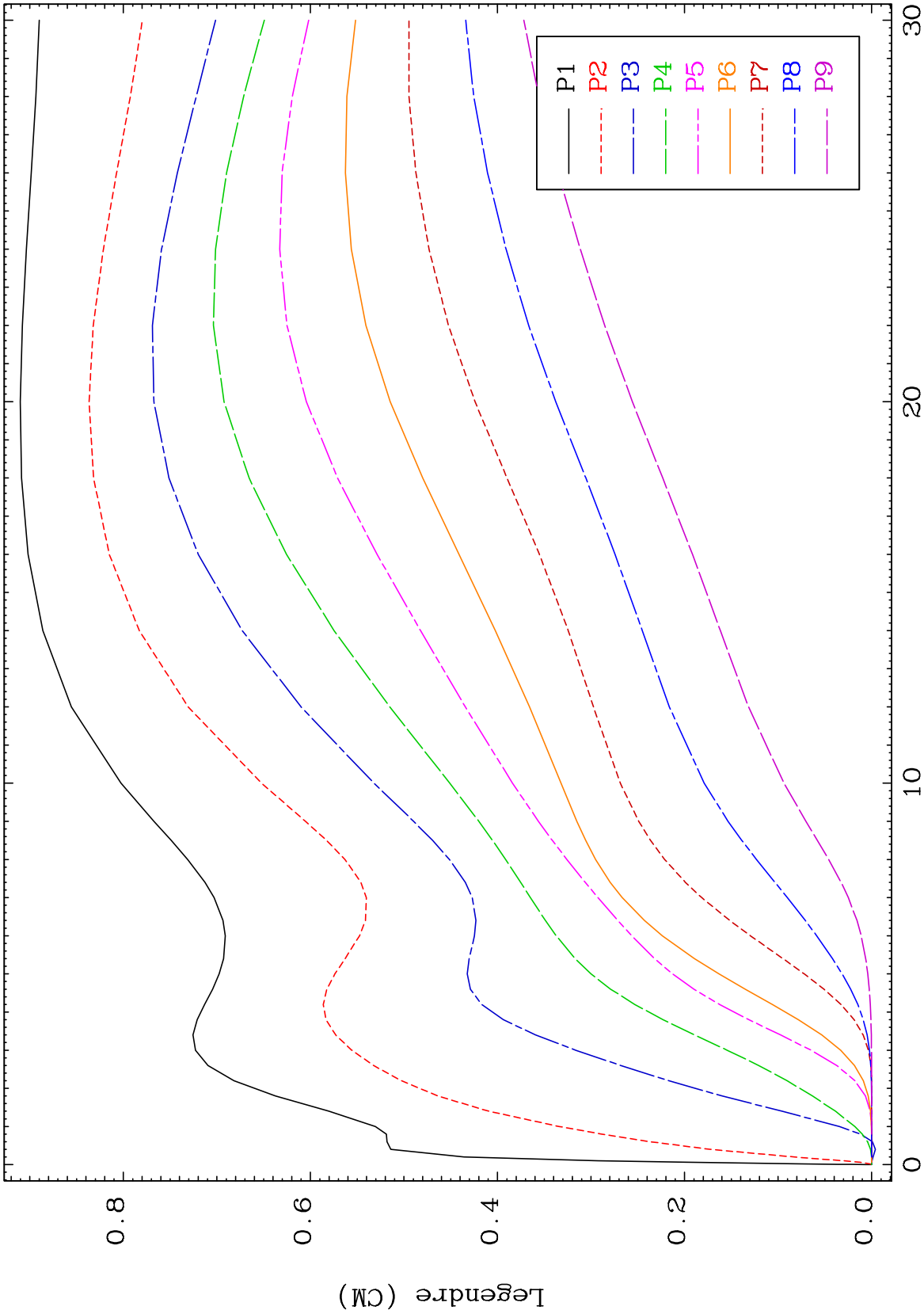
58-Ce-123



MAT 5786

Elastic Legendre Coefficients

58-Ce-123



0

0.0

0.2

0.4

0.6

0.8

58-Ce-123

Incident Energy (MeV)

10

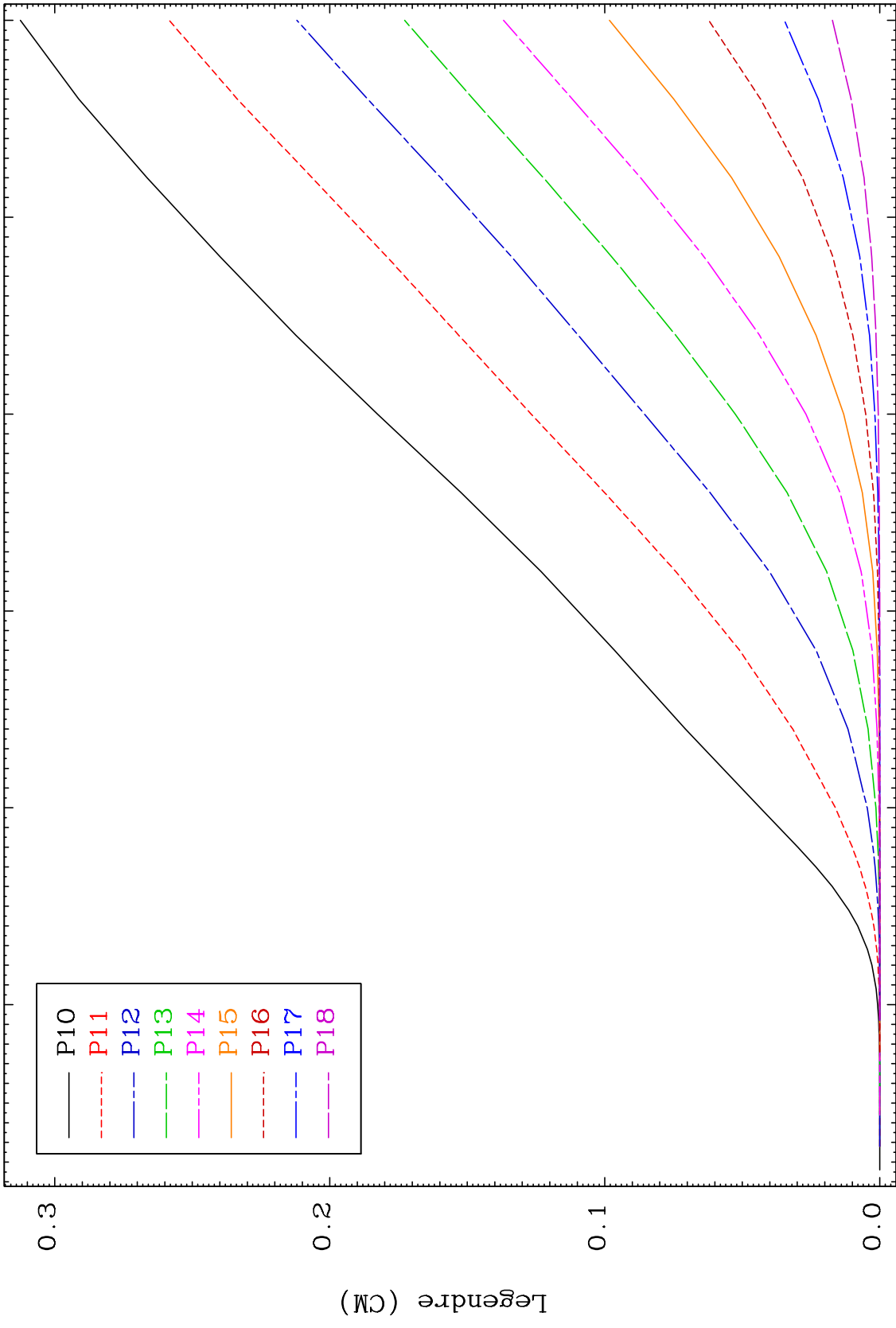
20

30

MAT 5786

Elastic Legendre Coefficients

58-Ce-123



16

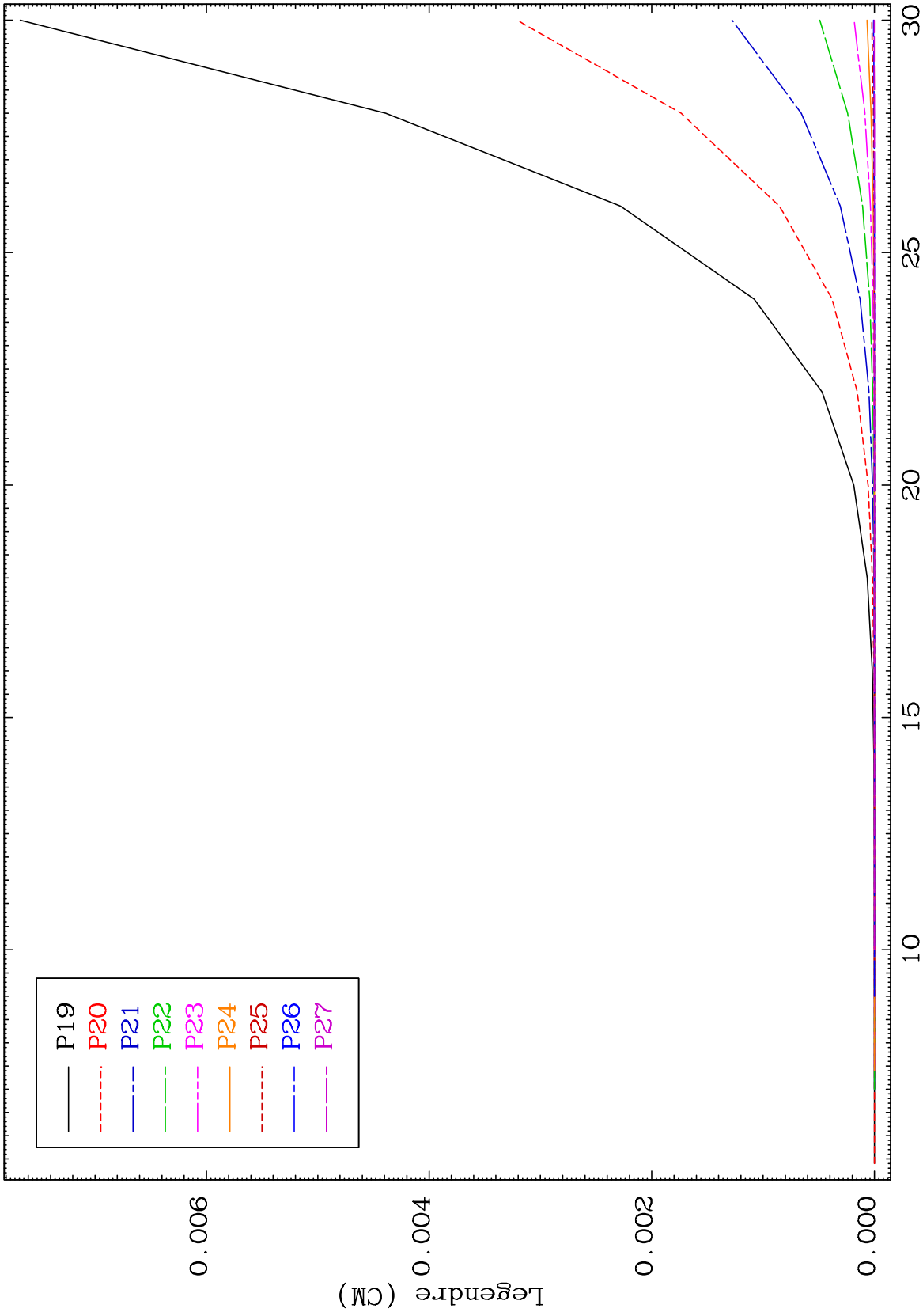
Incident Energy (MeV)

58-Ce-123

MAT 5786

Elastic Legendre Coefficients

58-Ce-123



17

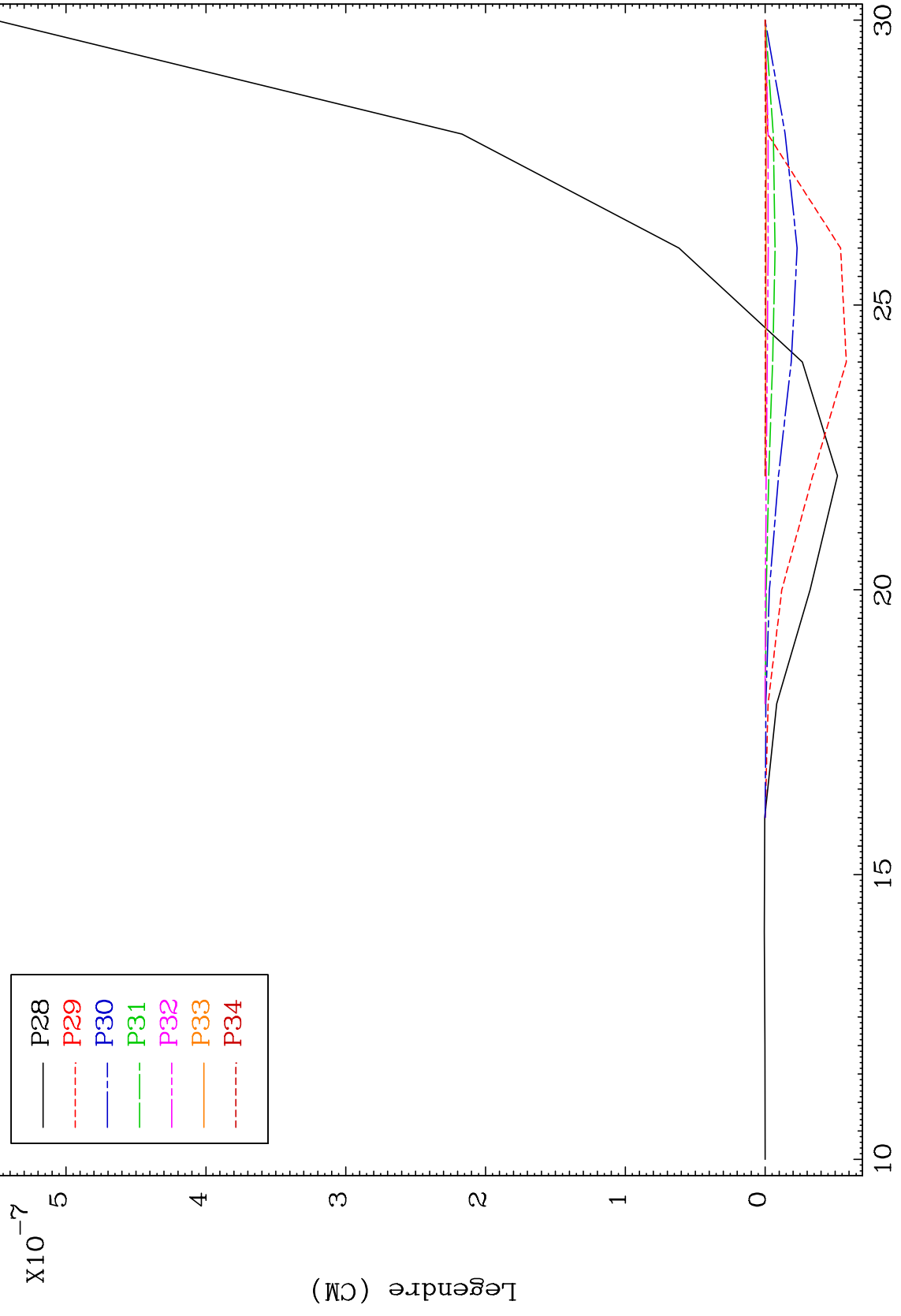
Incident Energy (MeV)

58-Ce-123

MAT 5786

Elastic Legendre Coefficients

58-Ce-123



18

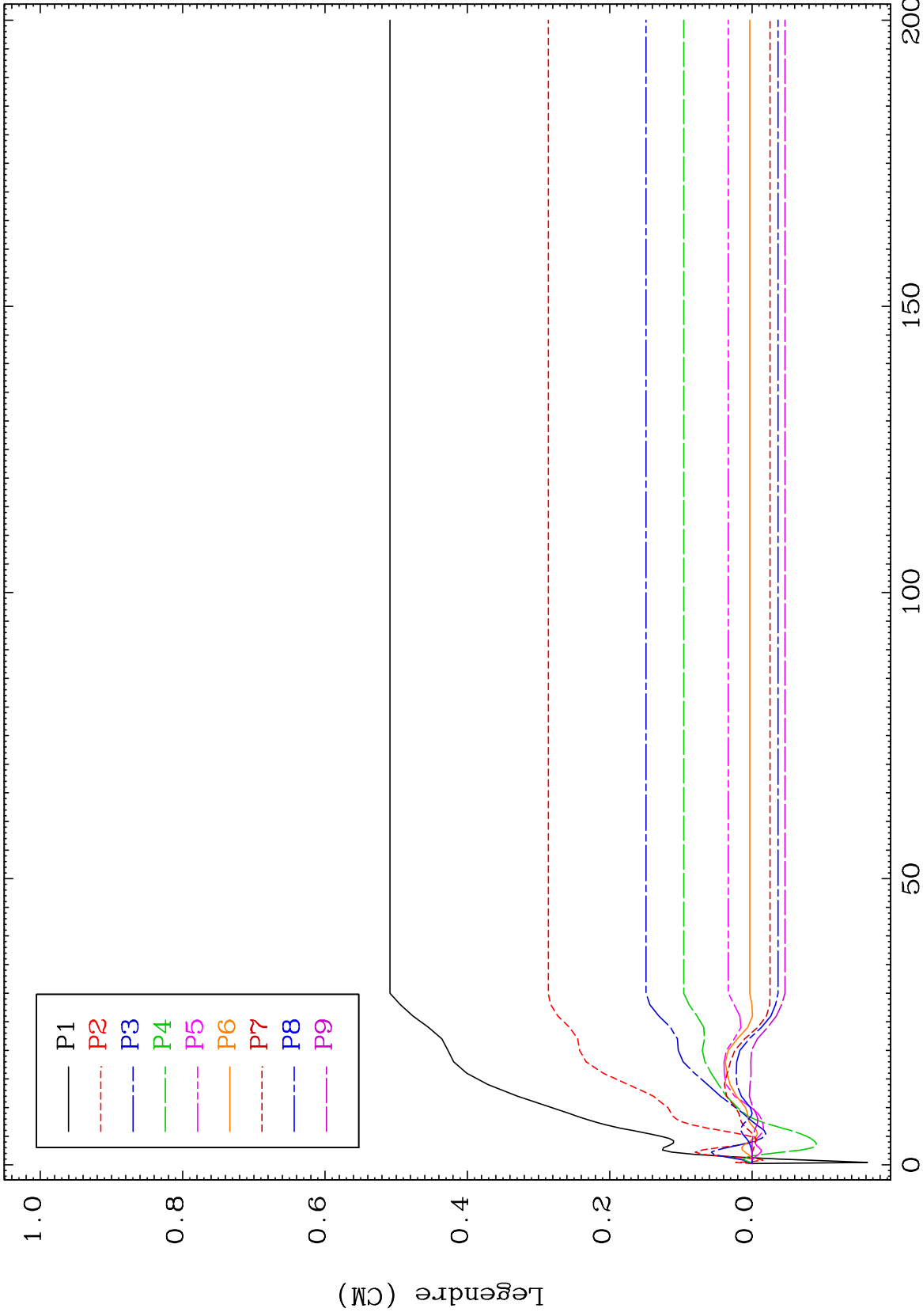
Incident Energy (MeV)

58-Ce-123

MAT 5786

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

58-Ce-123



19

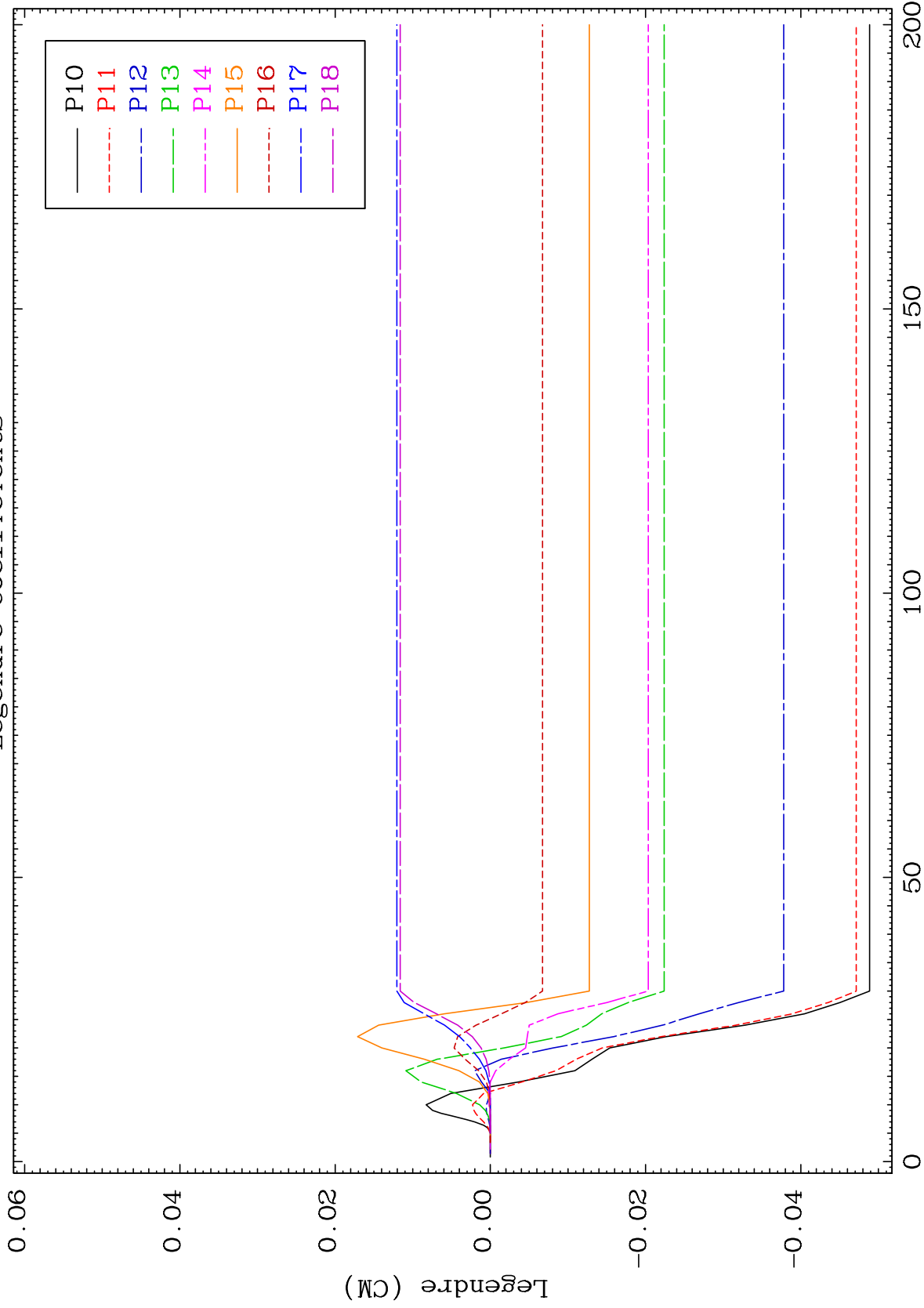
Incident Energy (MeV)

58-Ce-123

MAT 5786

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

58-Ce-123



0

50

100

150

200

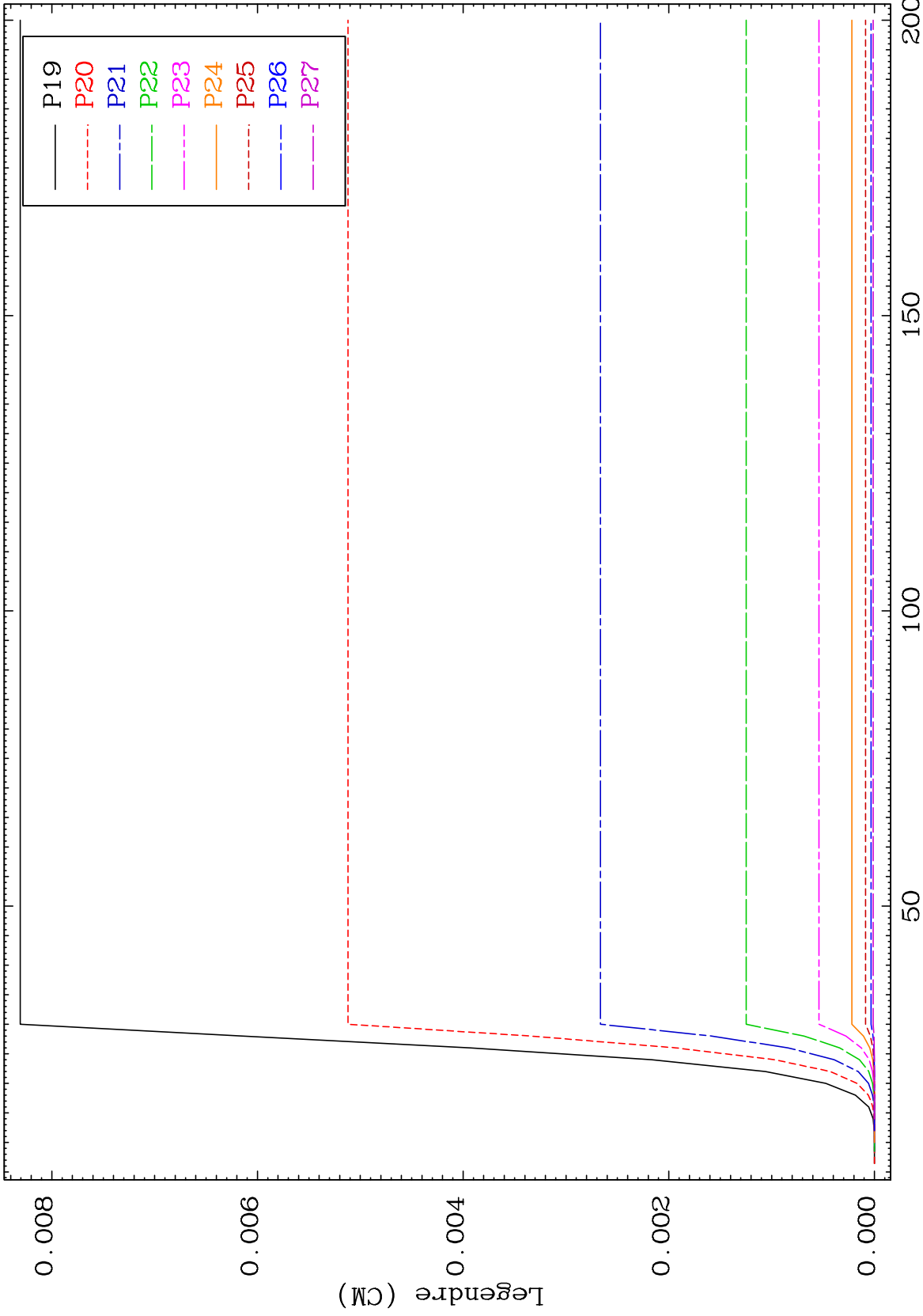
Incident Energy (MeV)

58-Ce-123

MAT 5786

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

58-Ce-123



21

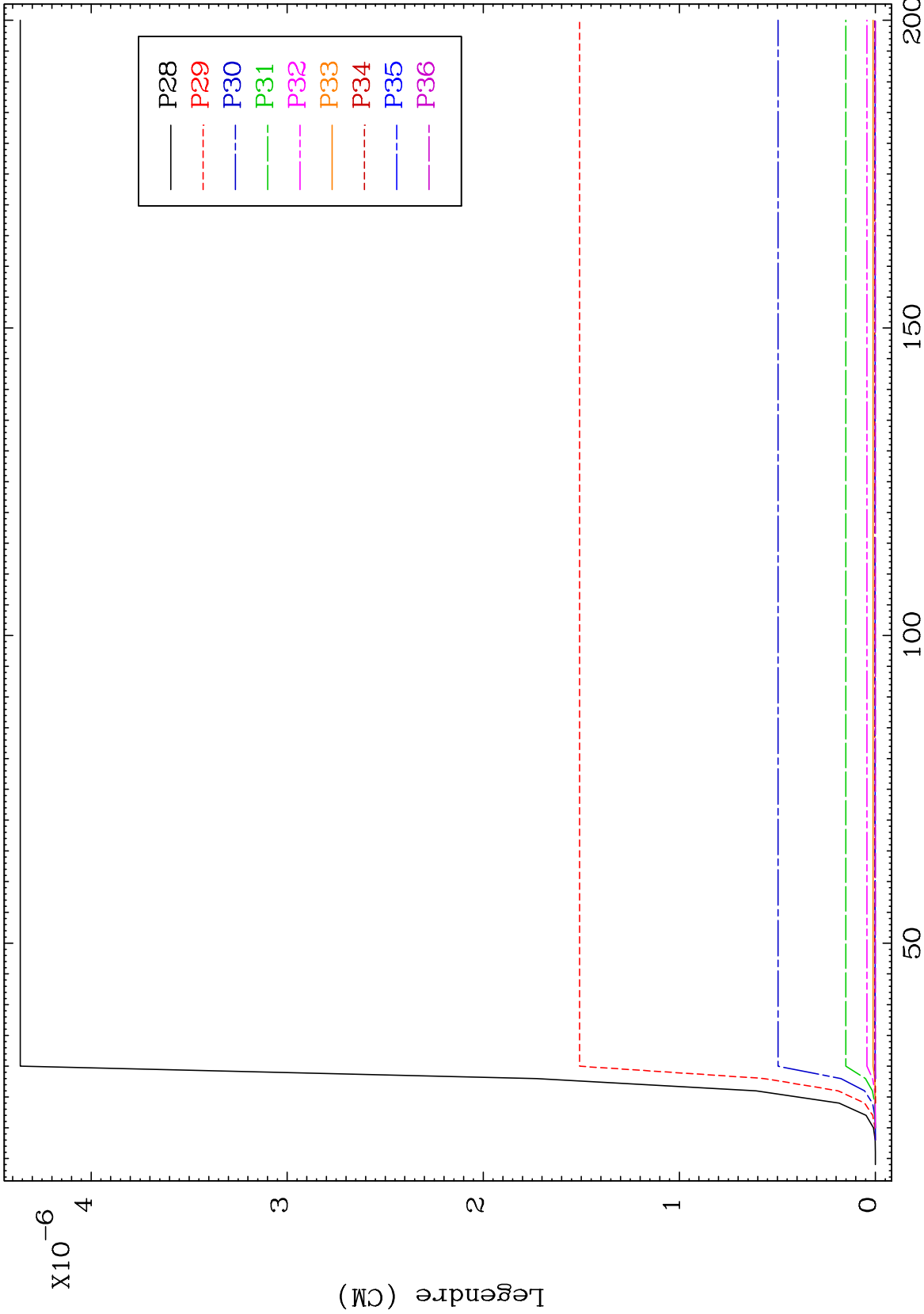
Incident Energy (MeV)

58-Ce-123

MAT 5786

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

58-Ce-123



22

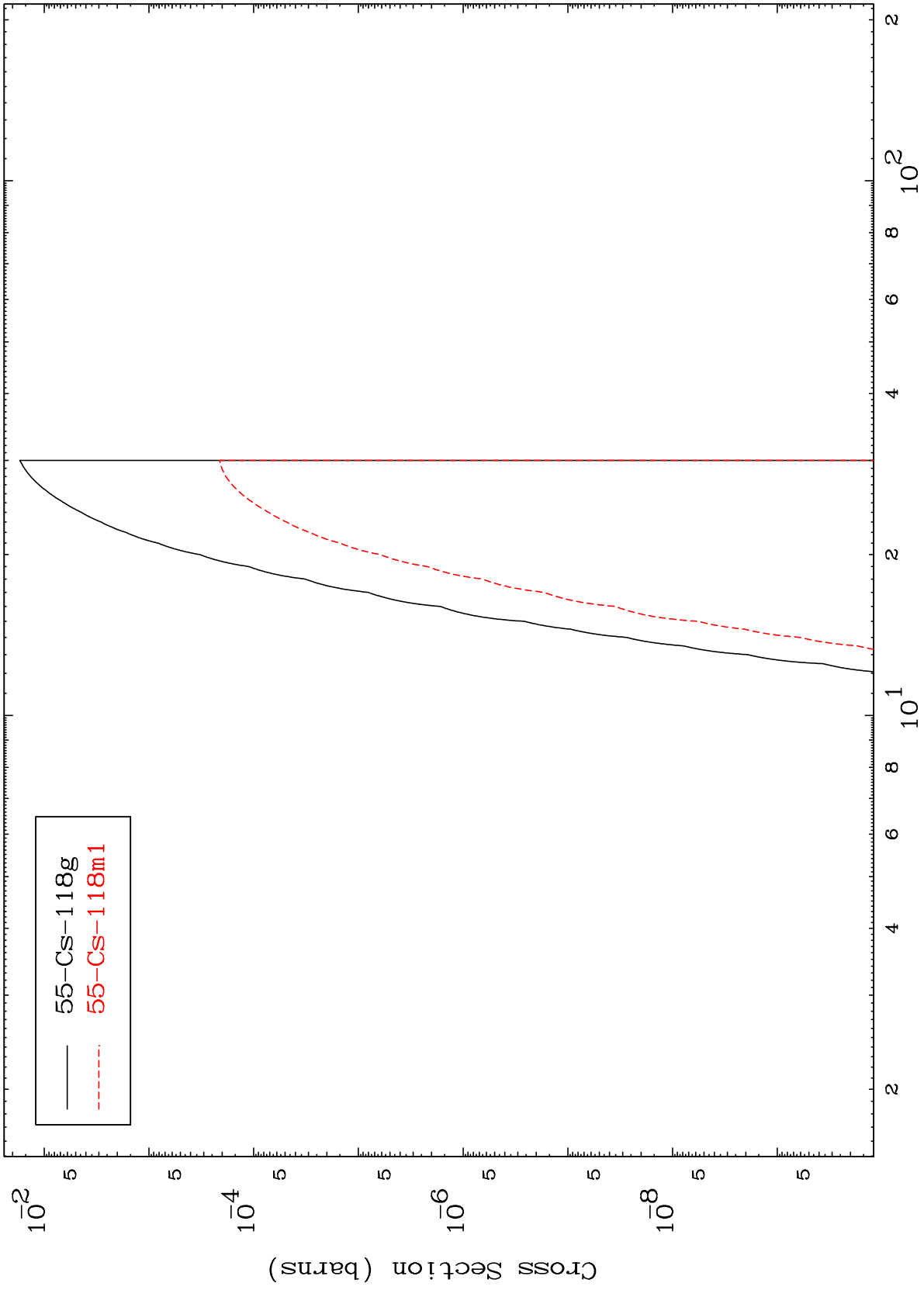
Incident Energy (MeV)

58-Ce-123

MAT 5786

(n,n') p α
Radionuclide Production Cross Section

58-Ce-123



23

Incident Energy (MeV)

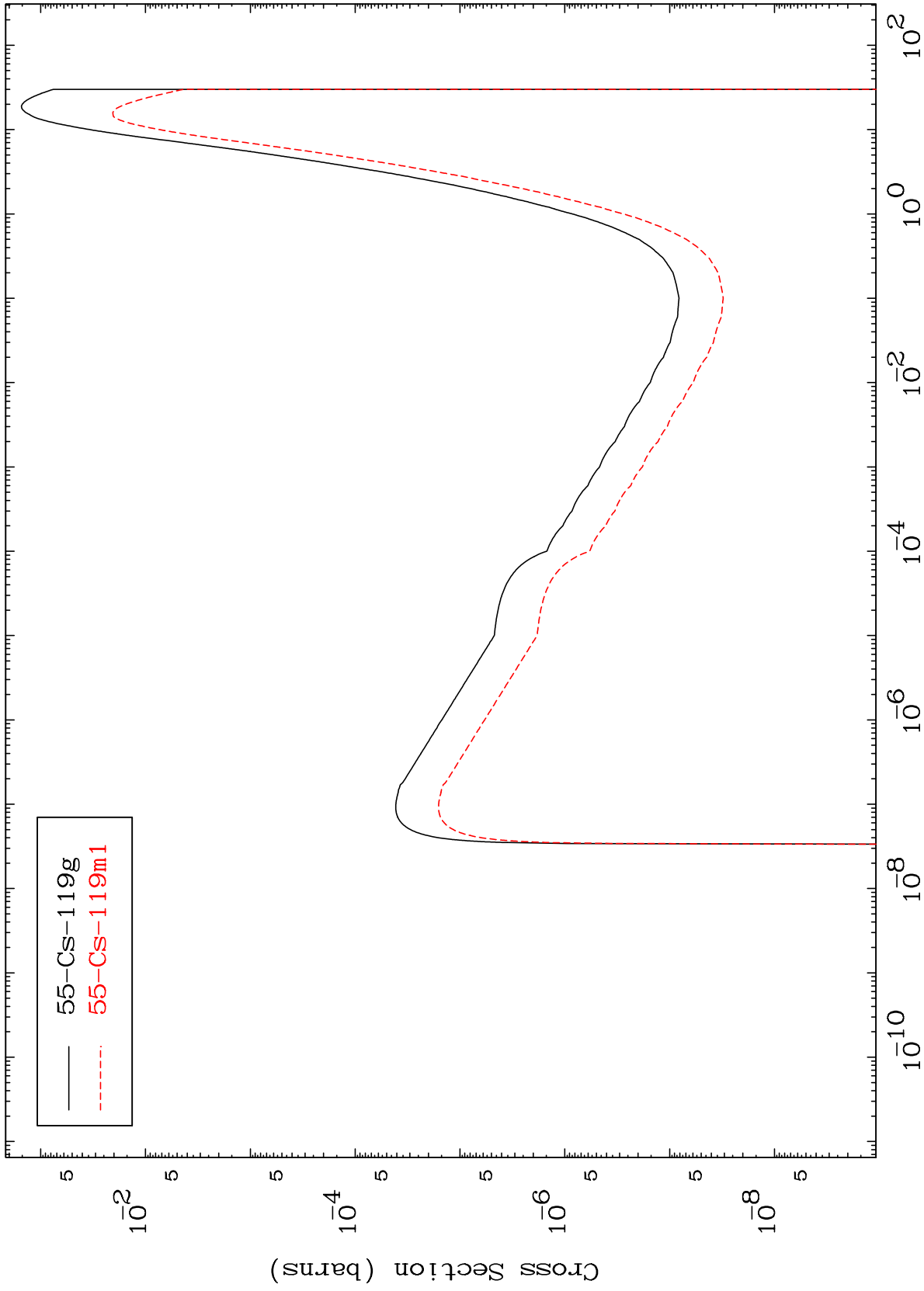
58-Ce-123

MAT 5786

(n,p) α

58-Ce-123

Radionuclide Production Cross Section



24

Incident Energy (MeV)

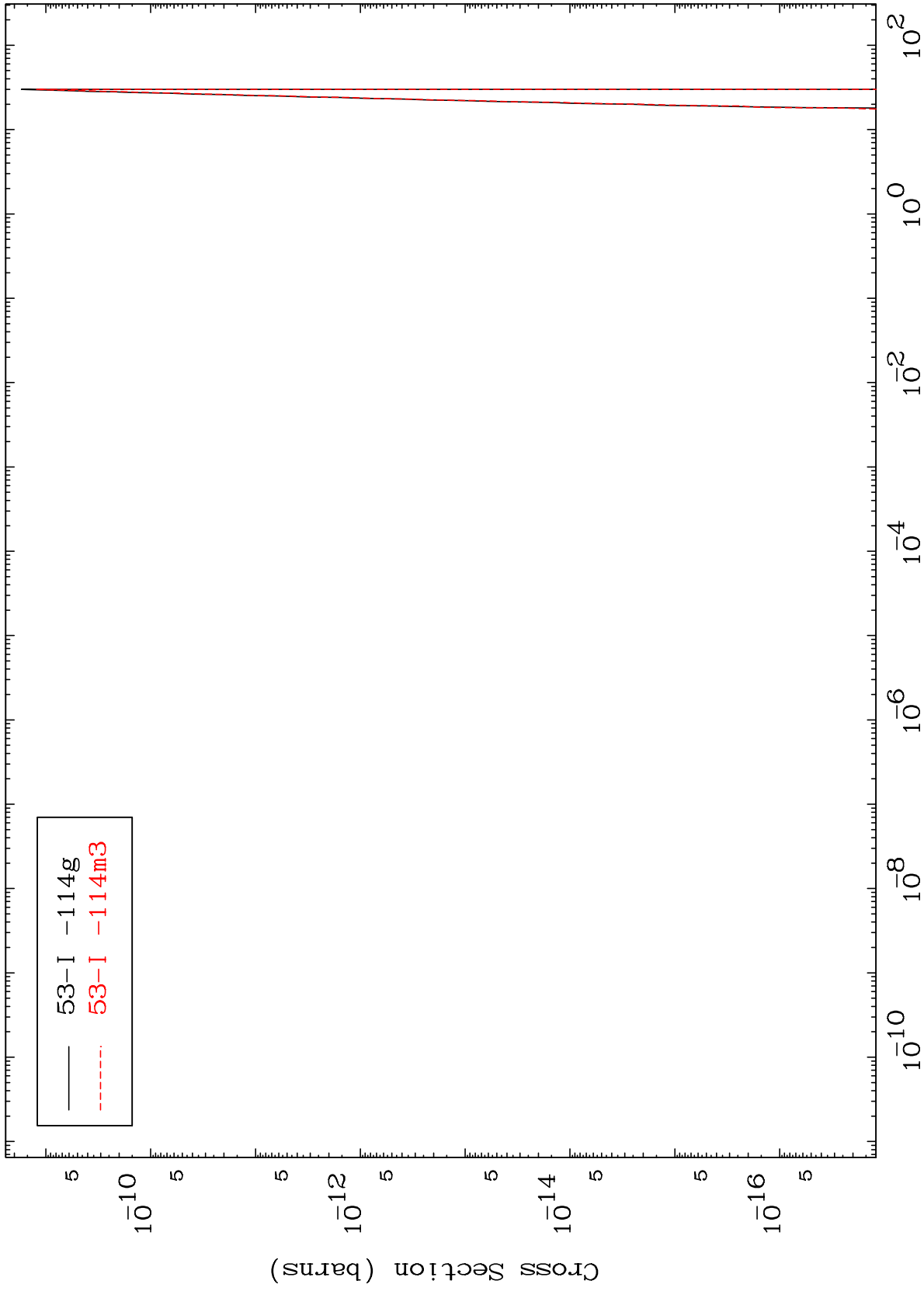
58-Ce-123

MAT 5786

(n,d) 2α

58-Ce-123

Radionuclide Production Cross Section



25

Incident Energy (MeV)

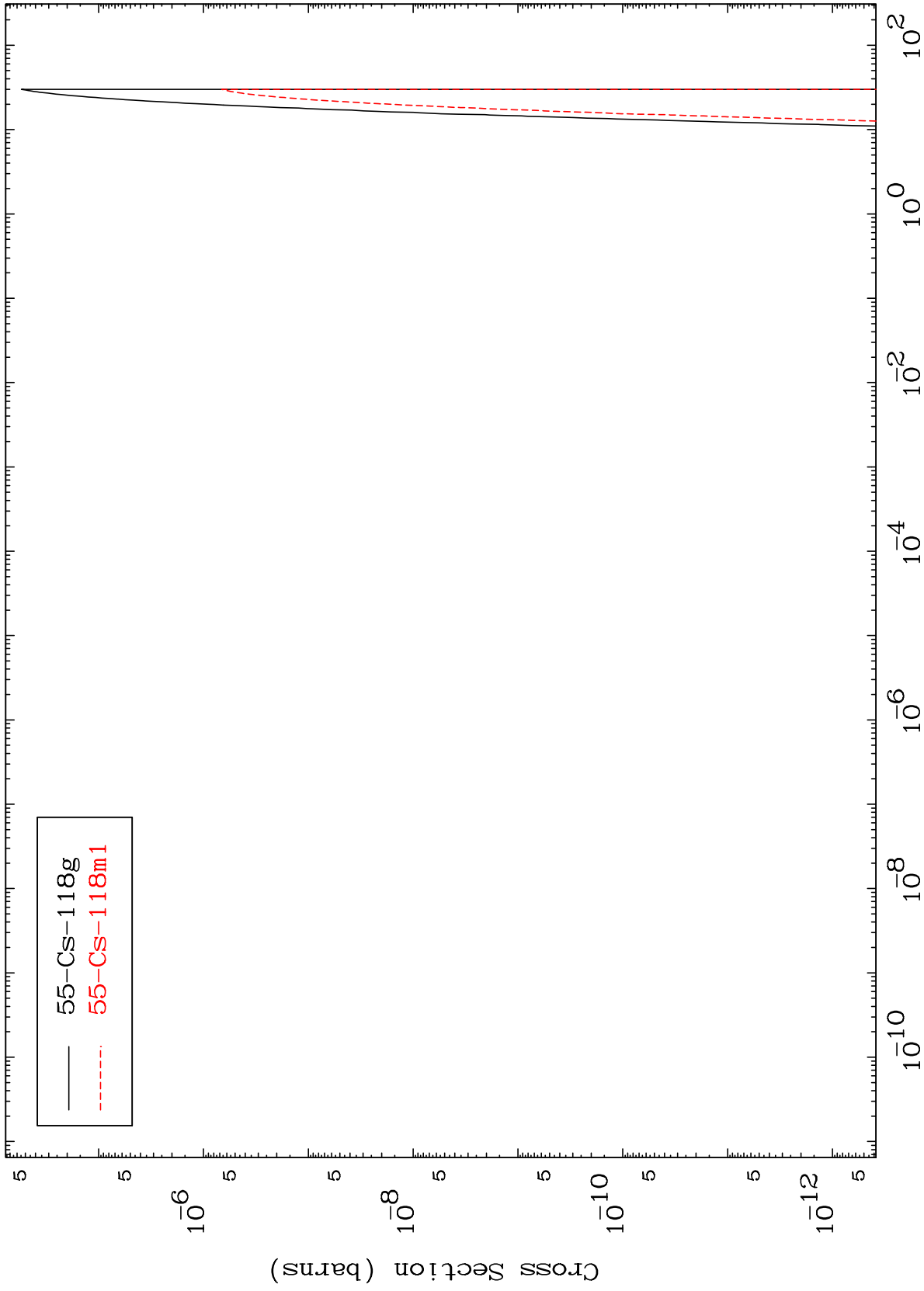
58-Ce-123

MAT 5786

(n,d) α

58-Ce-123

Radionuclide Production Cross Section



26

Incident Energy (MeV)

58-Ce-123