

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

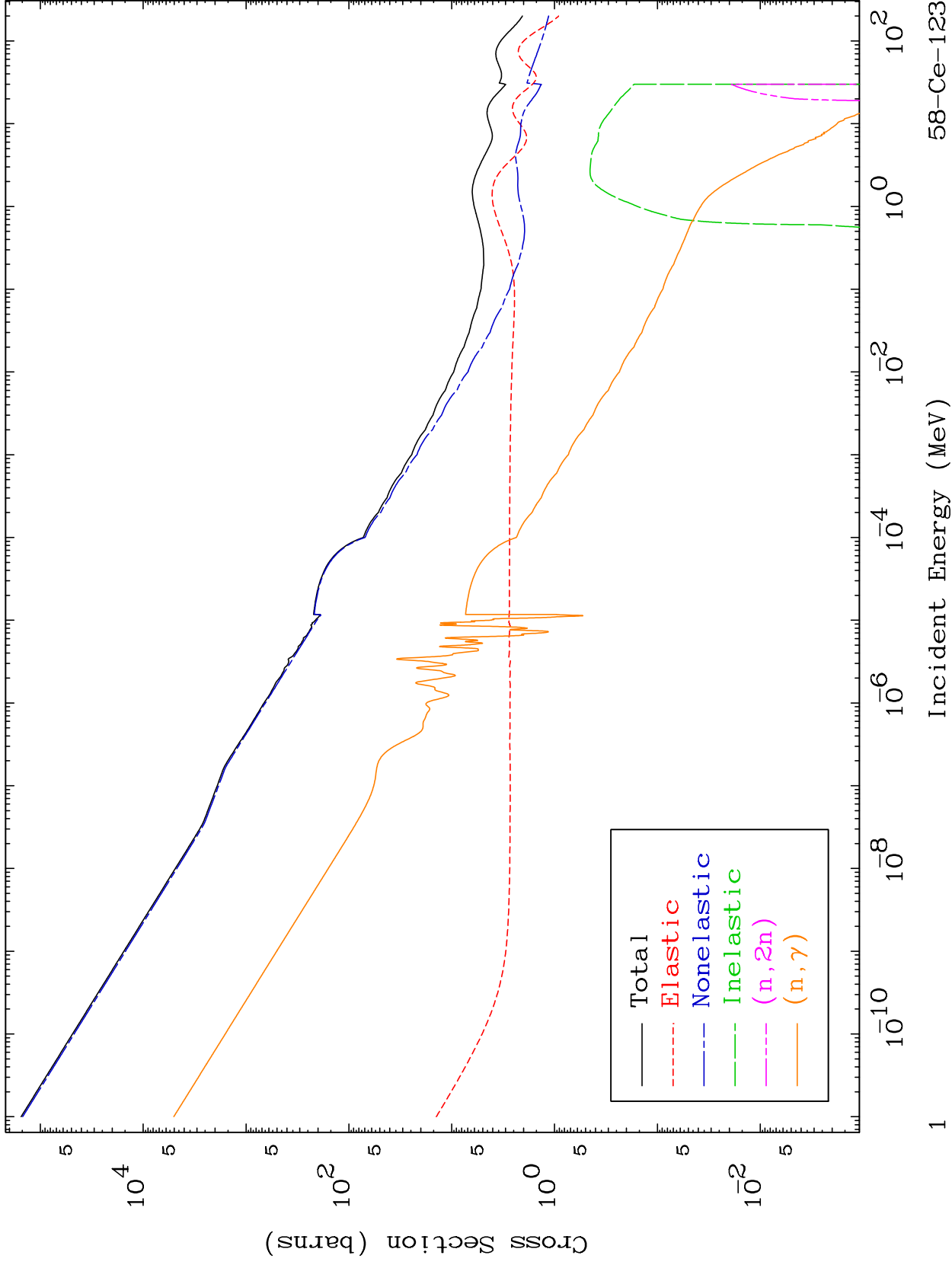
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Press Mouse Button to Start

MAT 5786

Neutron Major
293 Kelvin Cross Sections

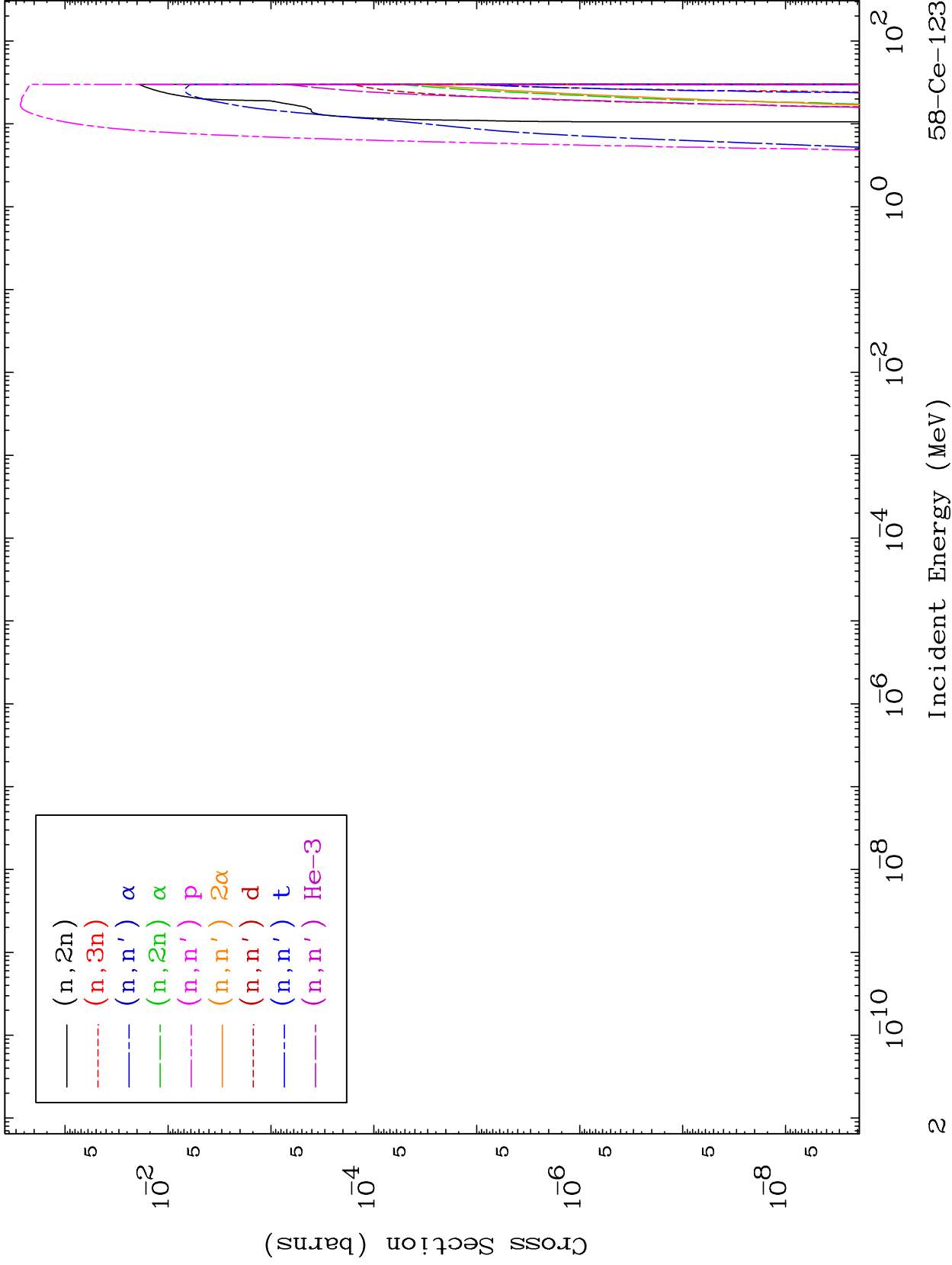
58-Ce-123



MAT 5786

Neutron Absorption
293 Kelvin Cross Sections

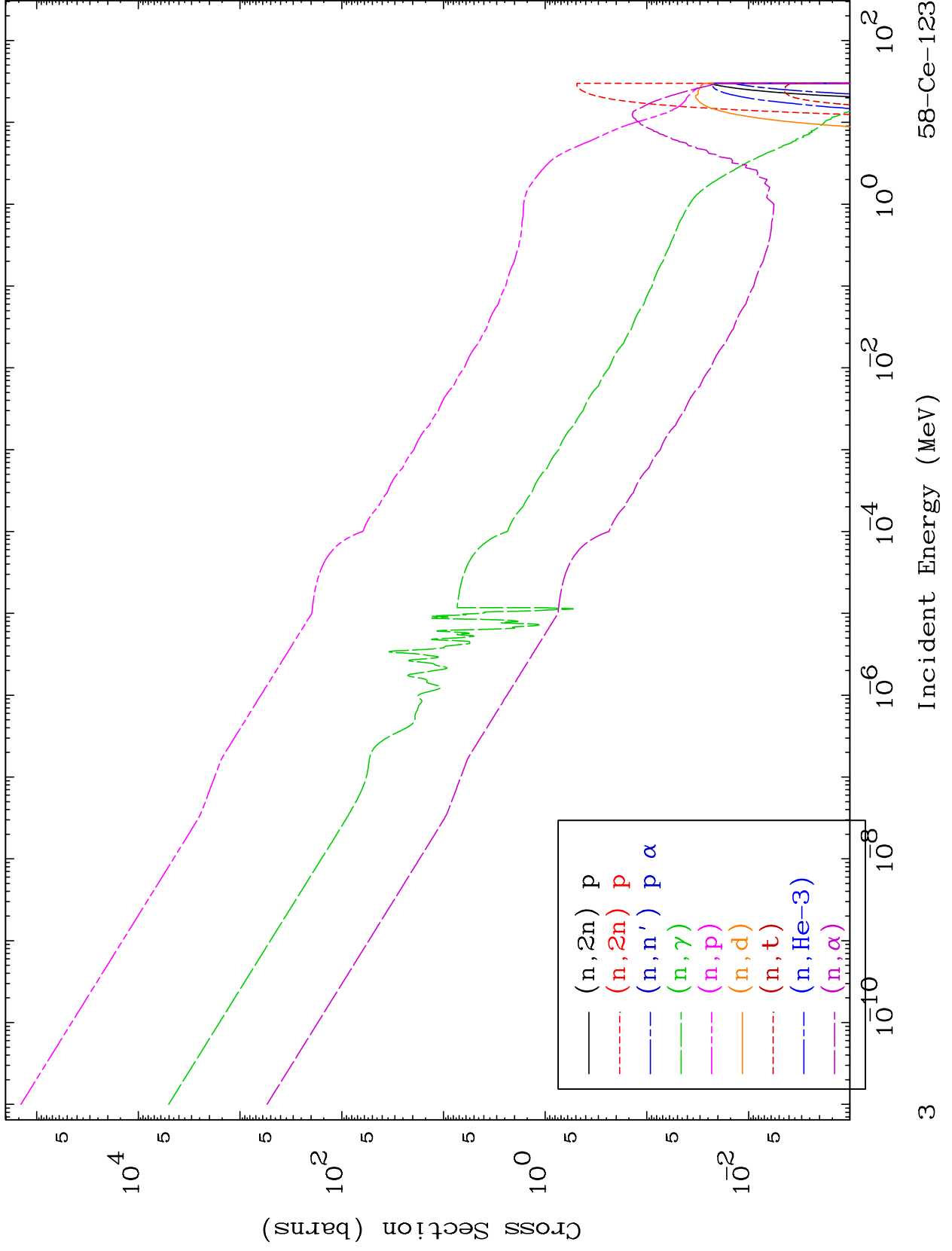
58-Ce-123



MAT 5786

Neutron Absorption
293 Kelvin Cross Sections

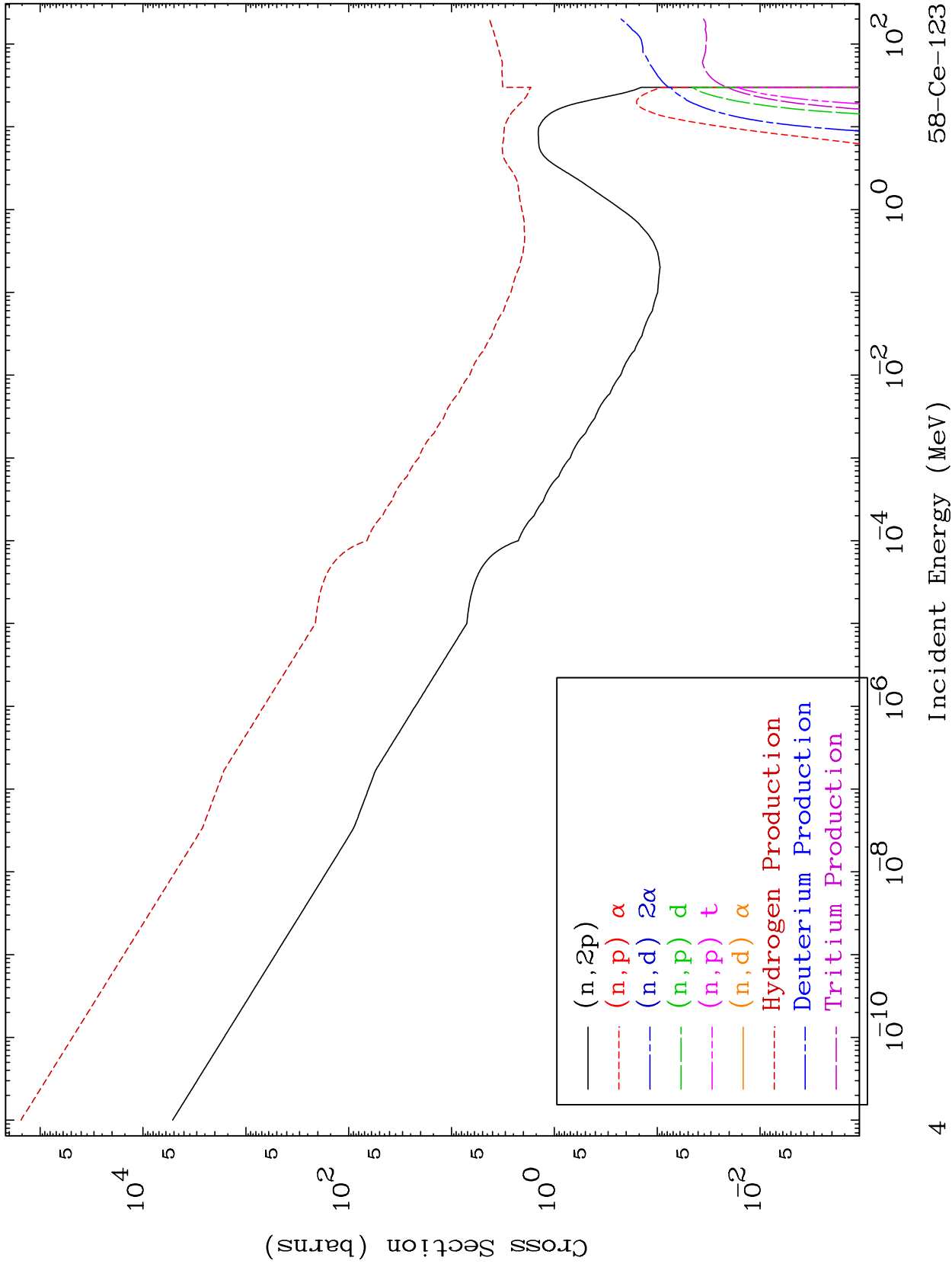
58-Ce-123



MAT 5786

Neutron Absorption
293 Kelvin Cross Sections

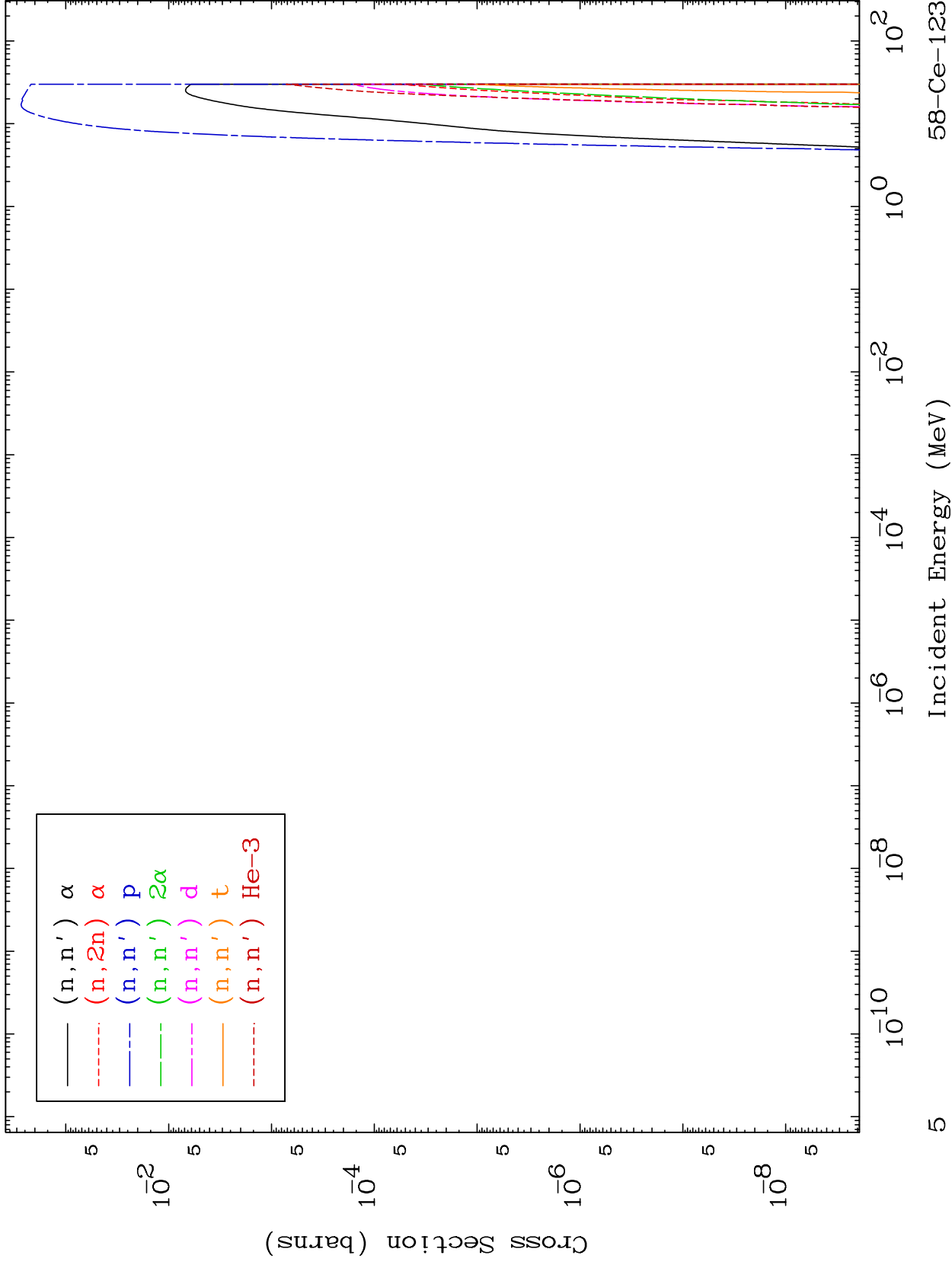
58-Ce-123



MAT 5786

Charged Particle
293 Kelvin Cross Sections

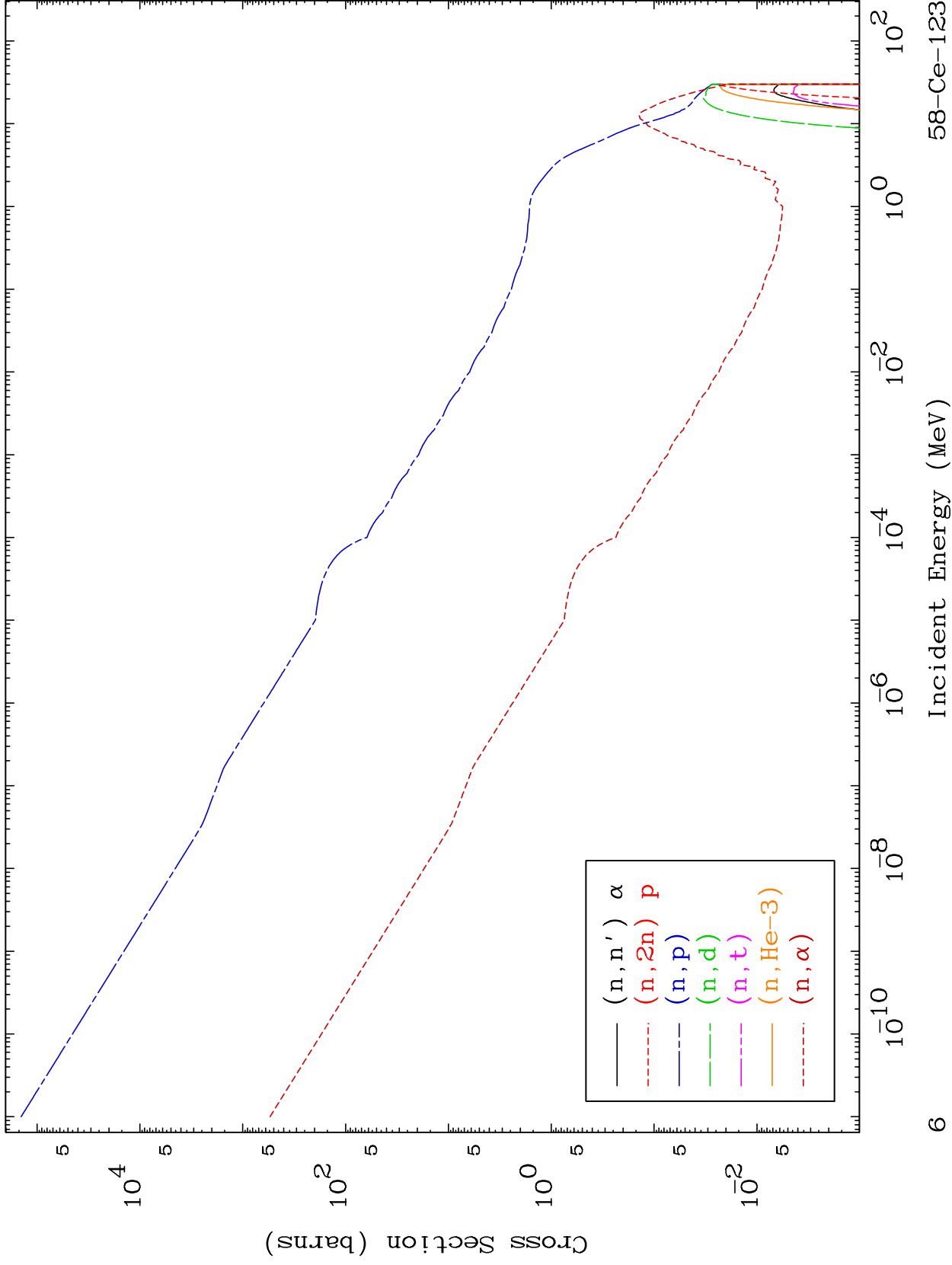
58-Ce-123



MAT 5786

Charged Particle
293 Kelvin Cross Sections

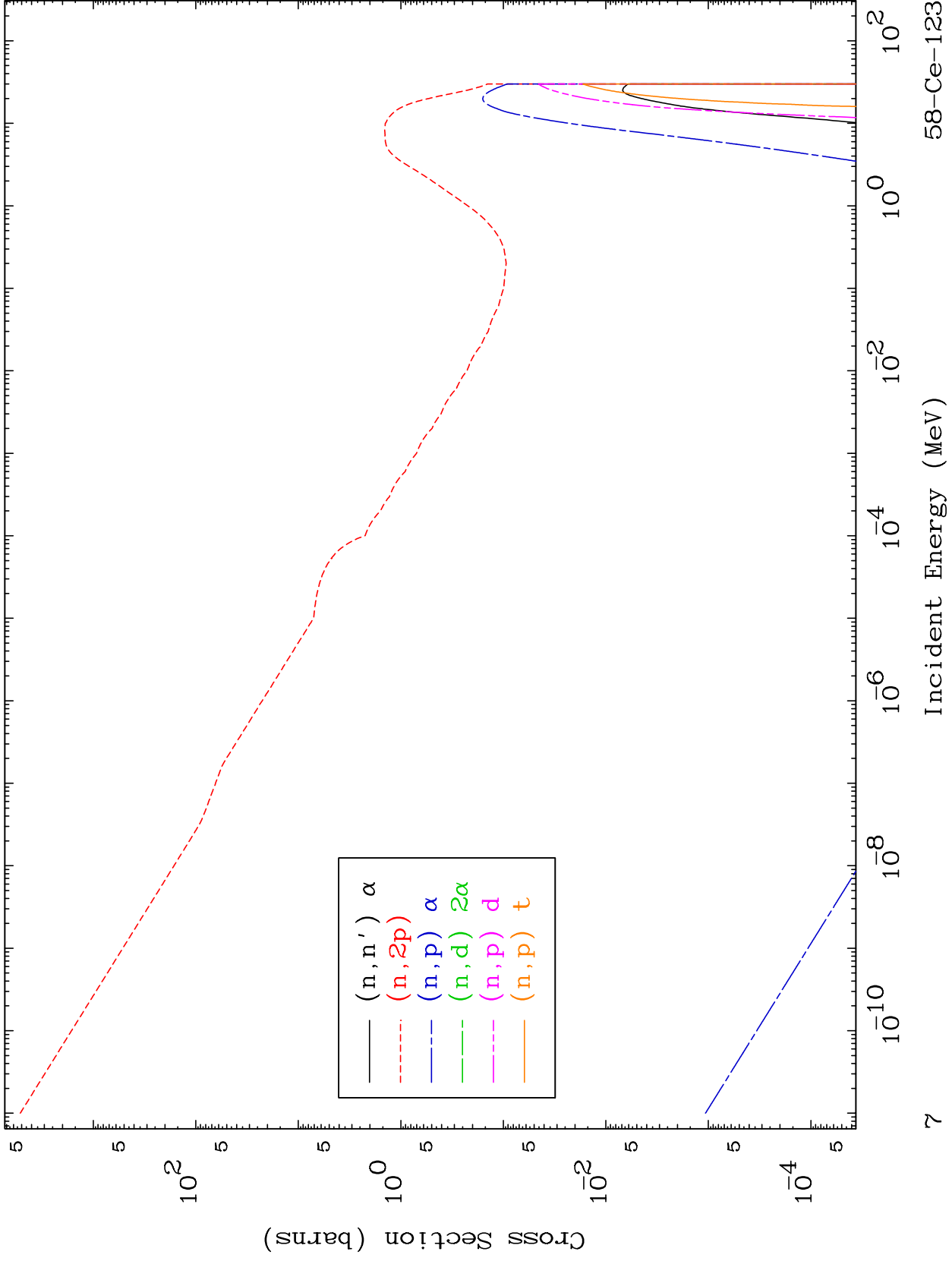
58-Ce-123



MAT 5786

Charged Particle
293 Kelvin Cross Sections

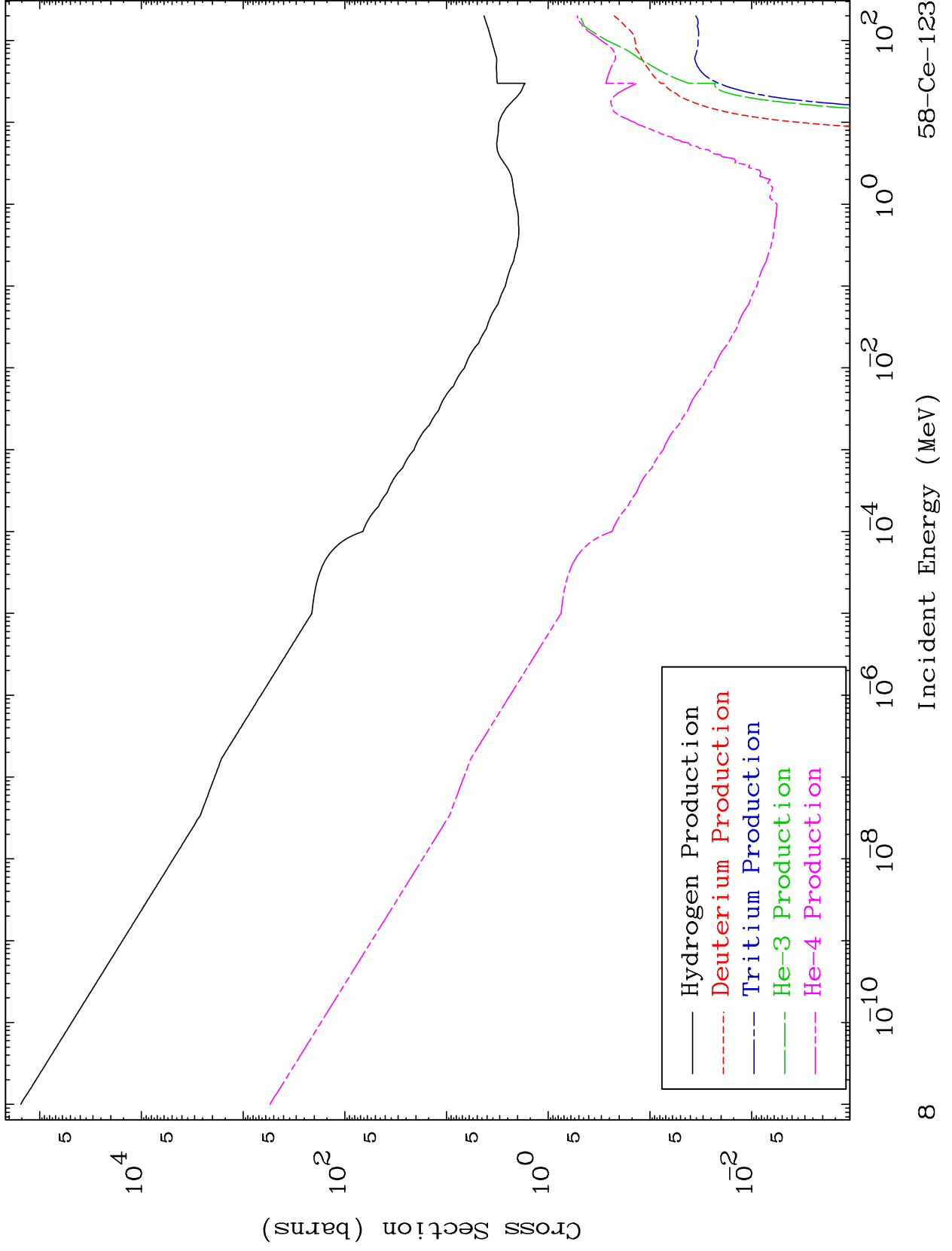
58-Ce-123

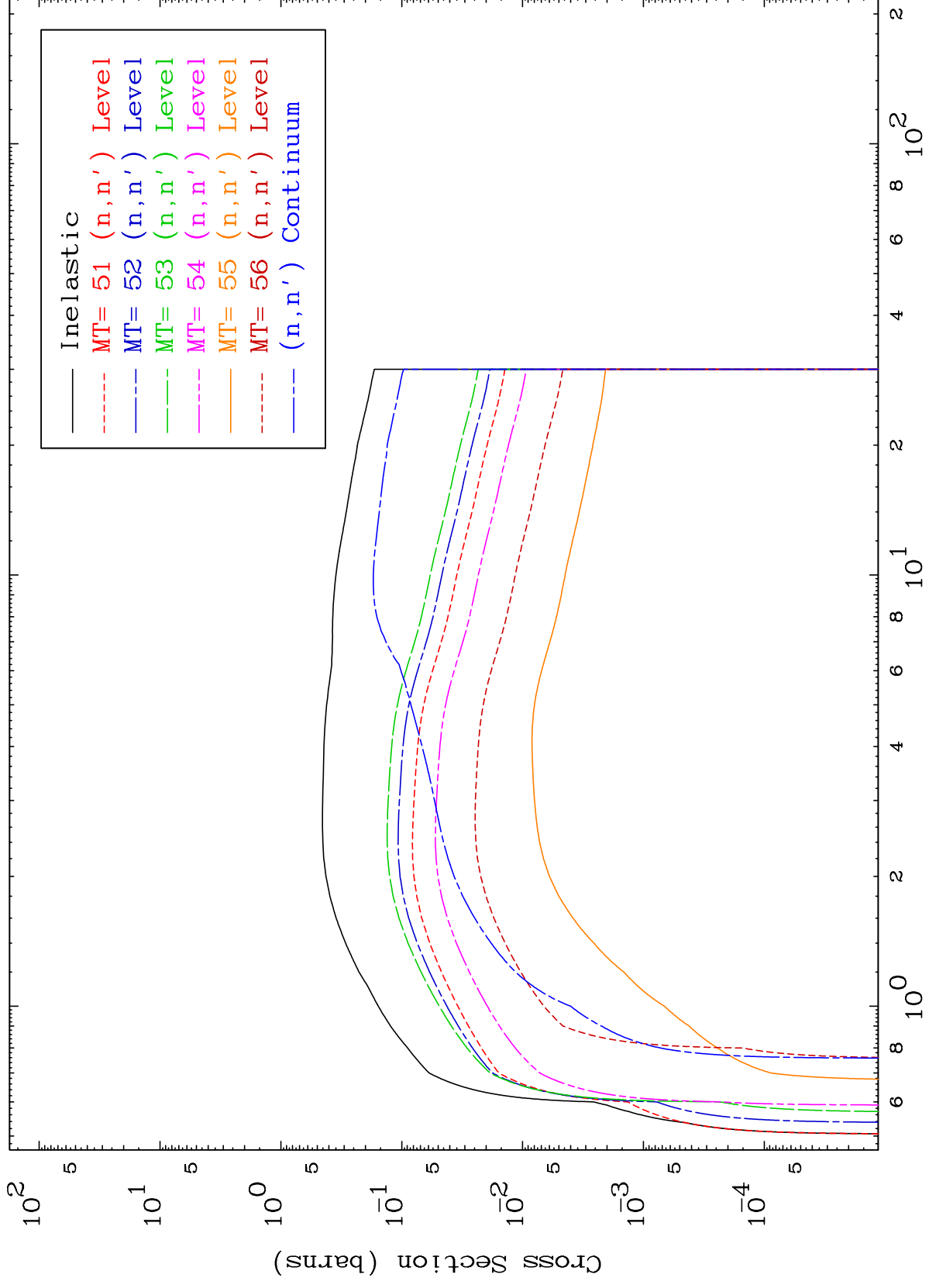


MAT 5786

Particle Production
293 Kelvin Cross Sections

58-Ce-123

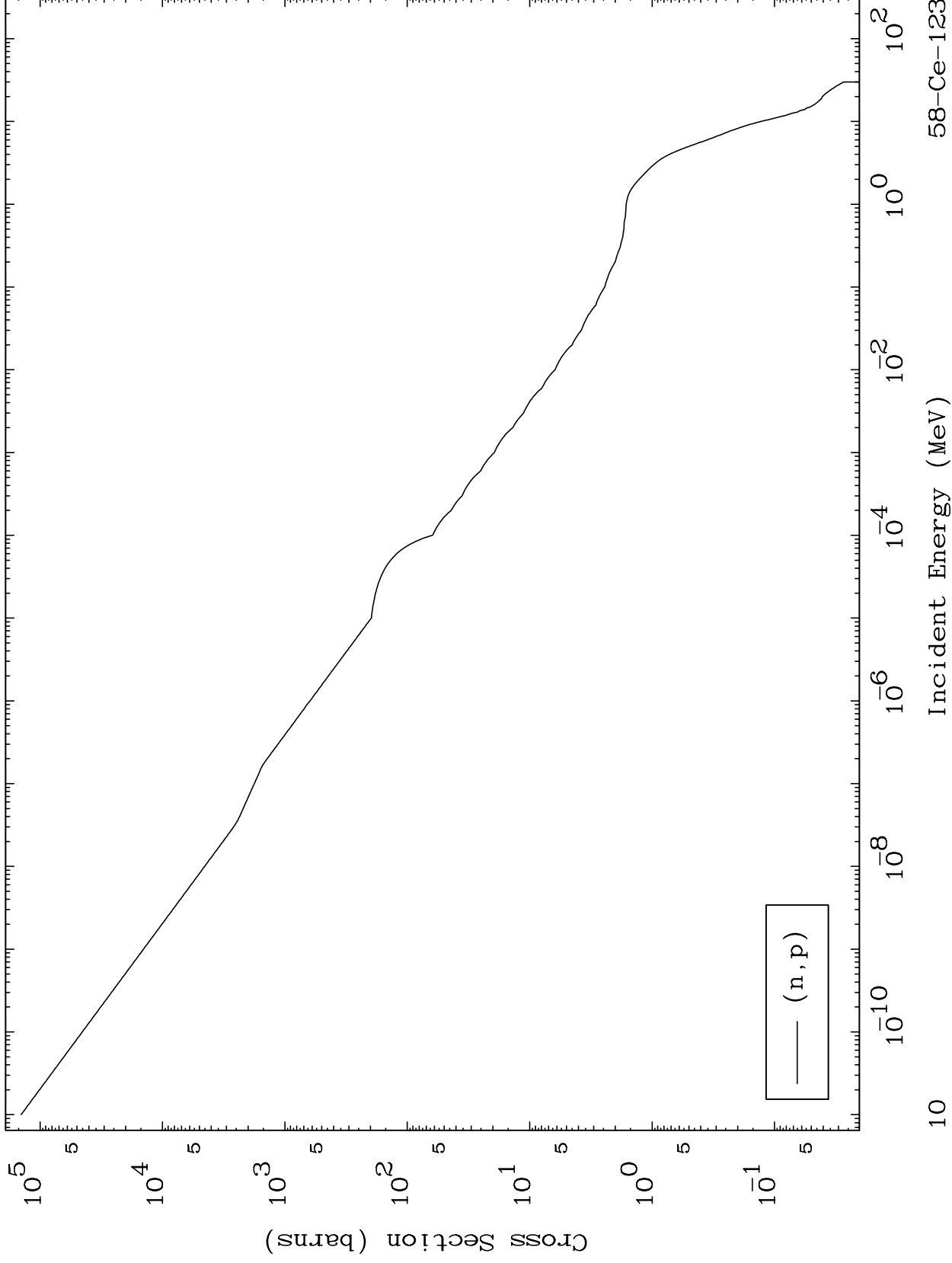




MAT 5786

(n,p) Levels
293 Kelvin Cross Sections

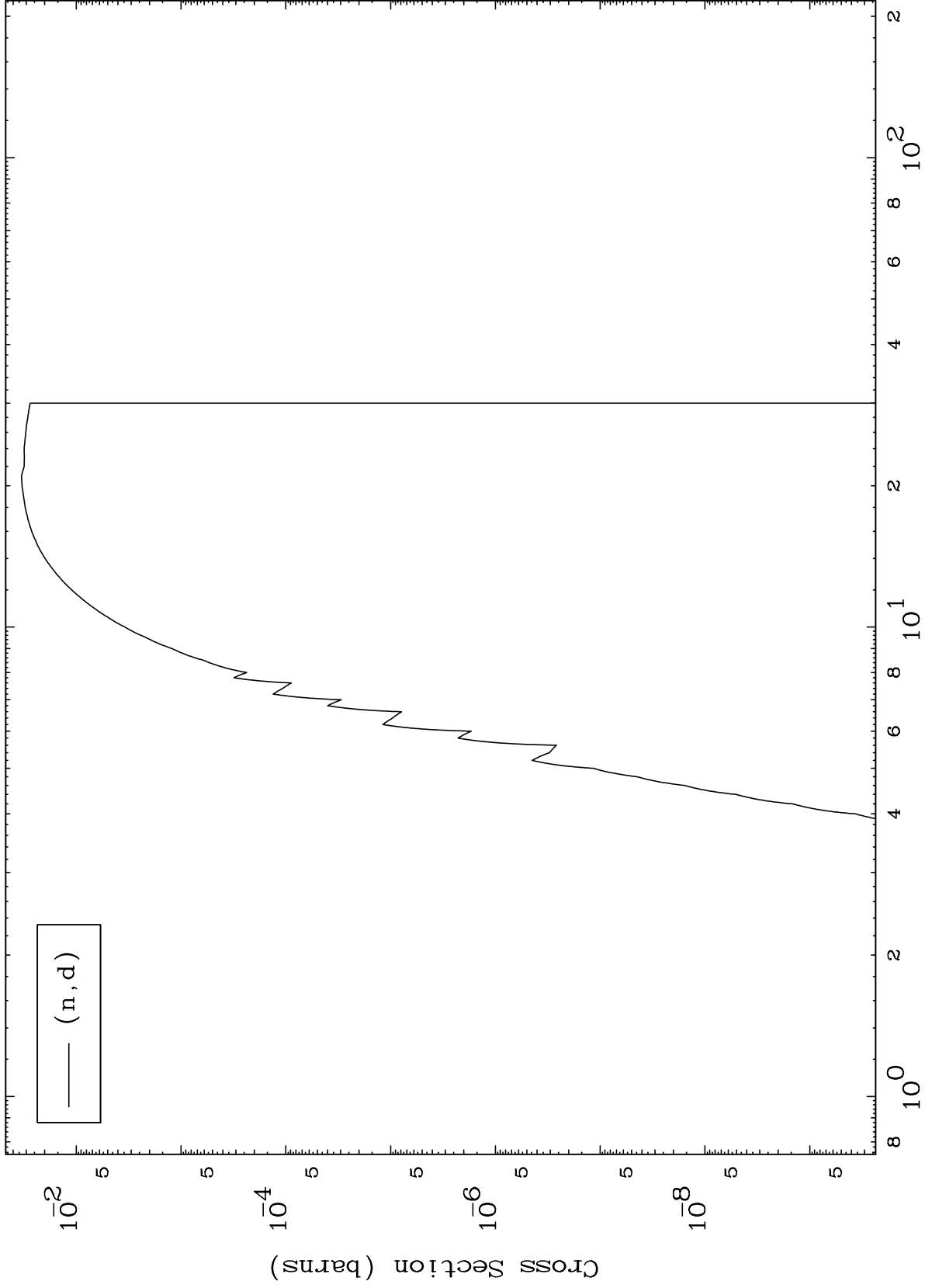
58-Ce-123



MAT 5786

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-123



11

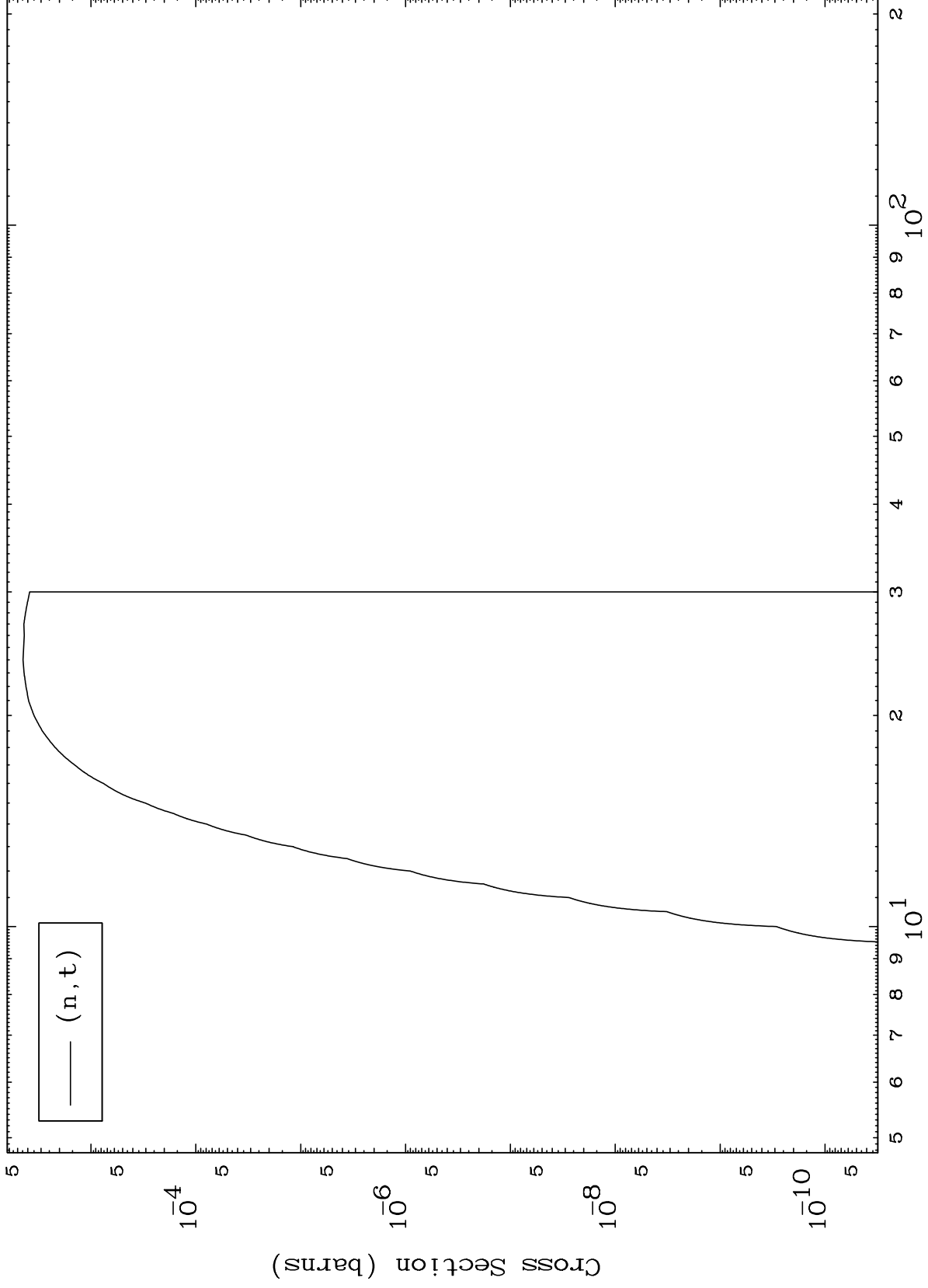
Incident Energy (MeV)

58-Ce-123

MAT 5786

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-123



12

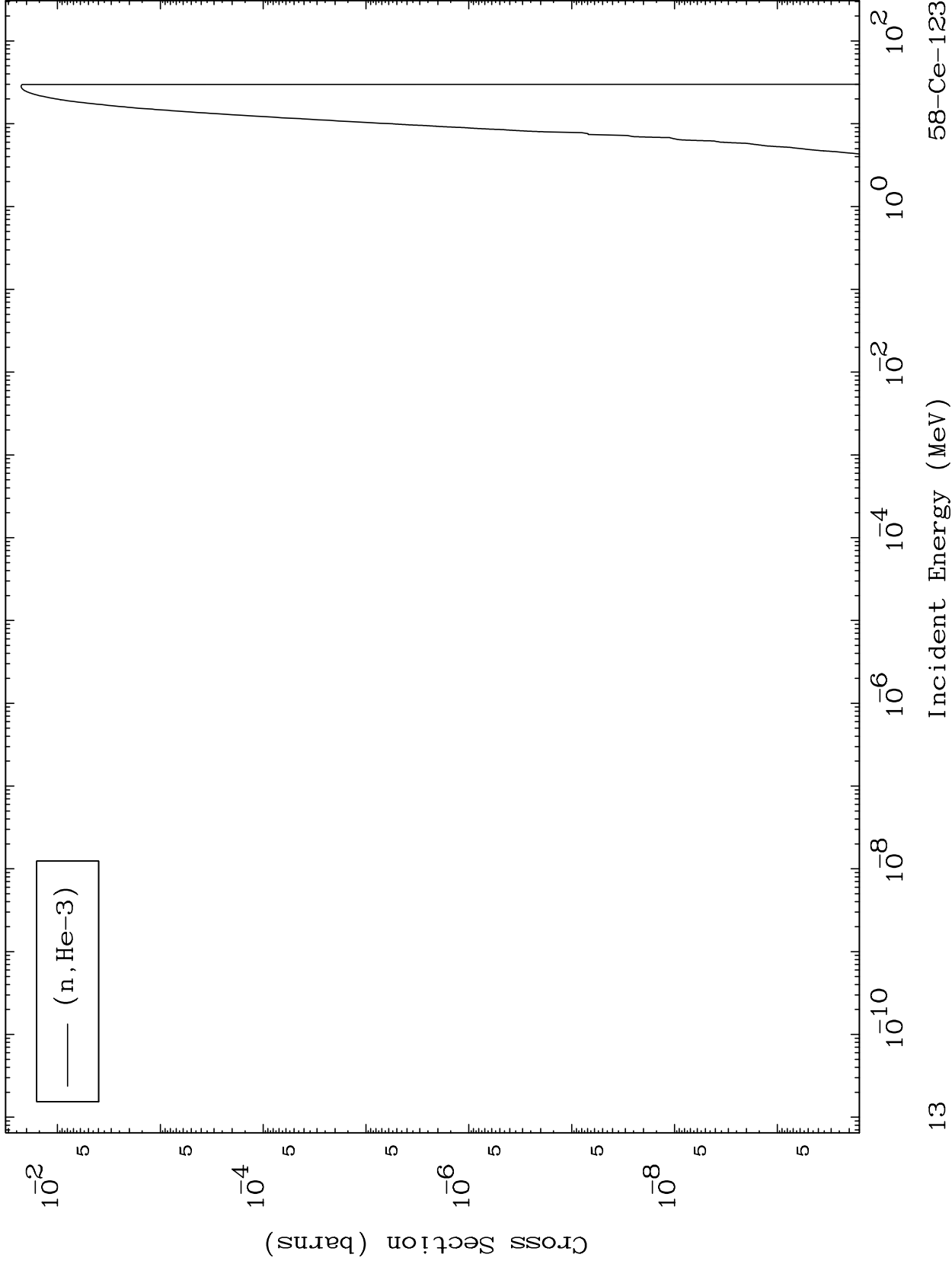
Incident Energy (MeV)

58-Ce-123

MAT 5786

(n,He3) Levels
293 Kelvin Cross Sections

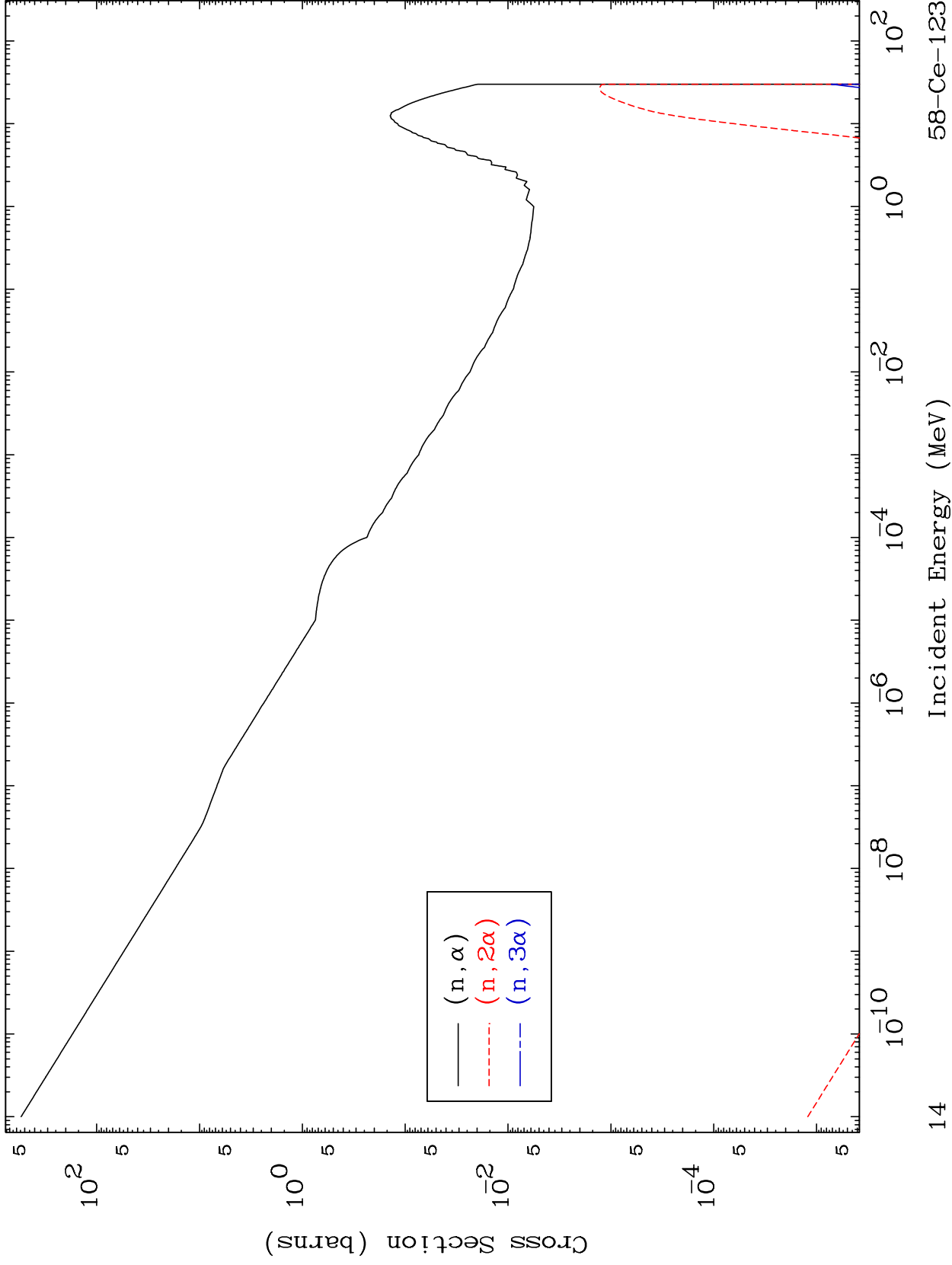
58-Ce-123



MAT 5786

(n,α) Levels
293 Kelvin Cross Sections

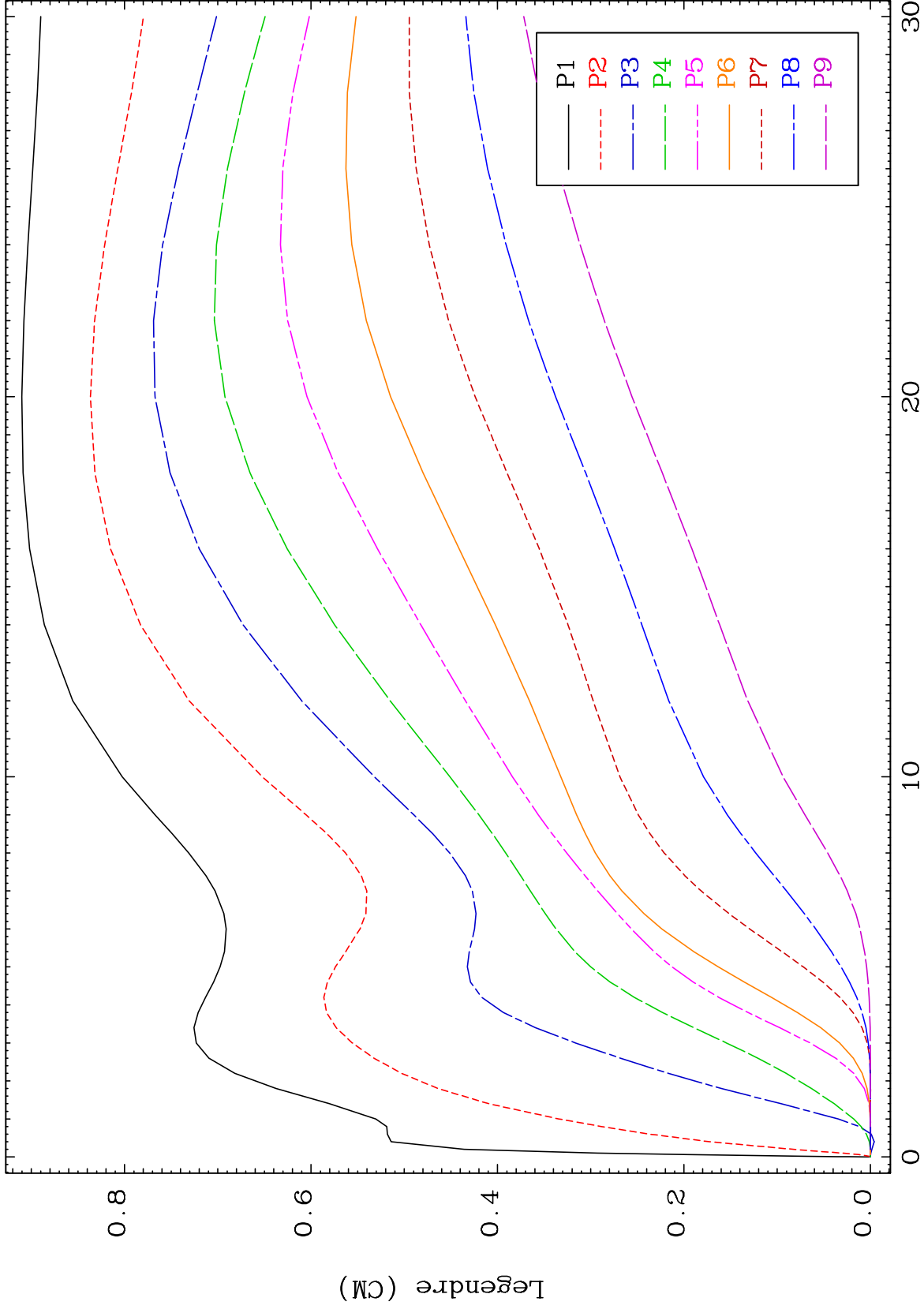
58-Ce-123



MAT 5786

Elastic Legendre Coefficients

58-Ce-123



15

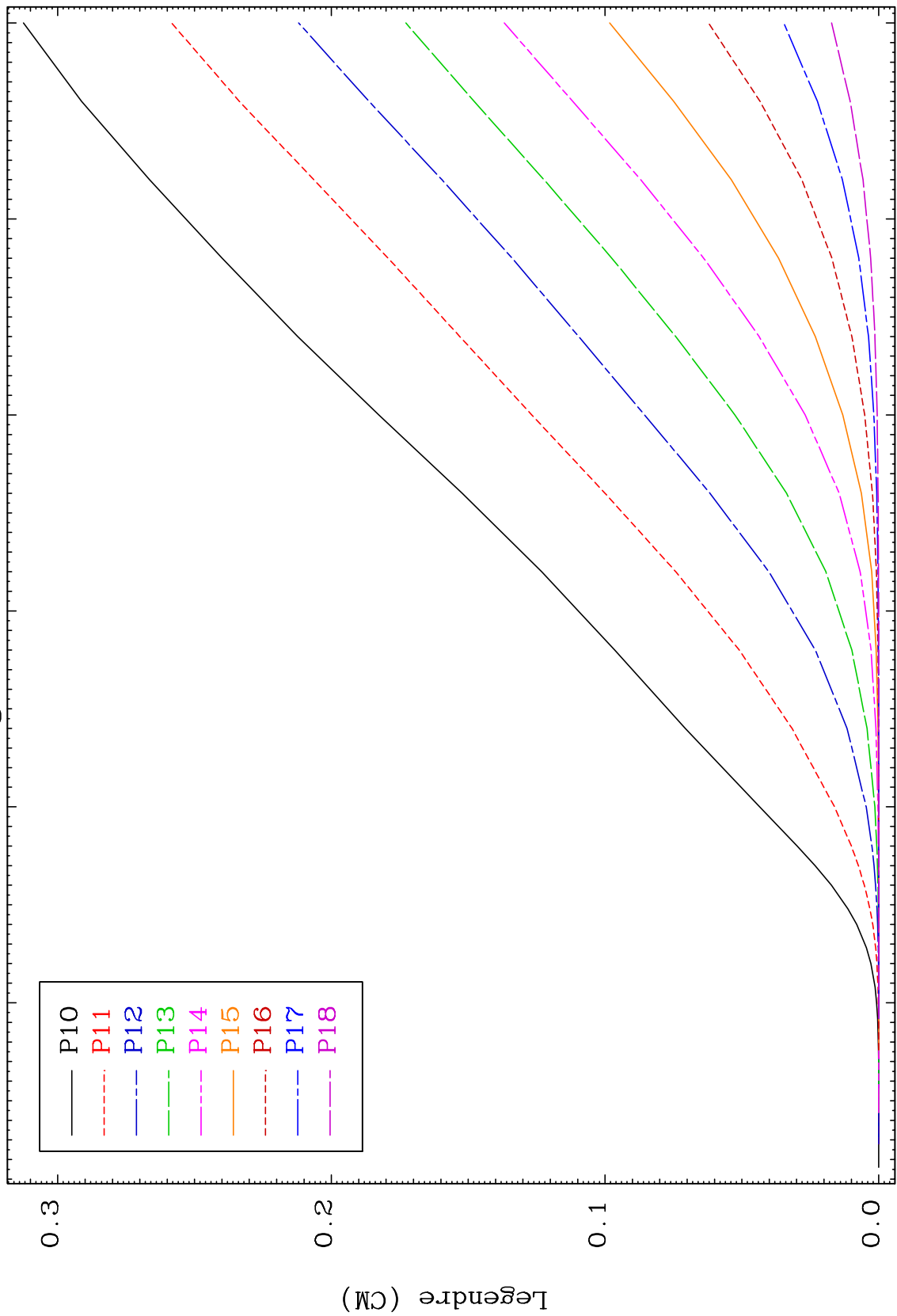
Incident Energy (MeV)

58-Ce-123

MAT 5786

Elastic Legendre Coefficients

58-Ce-123



16

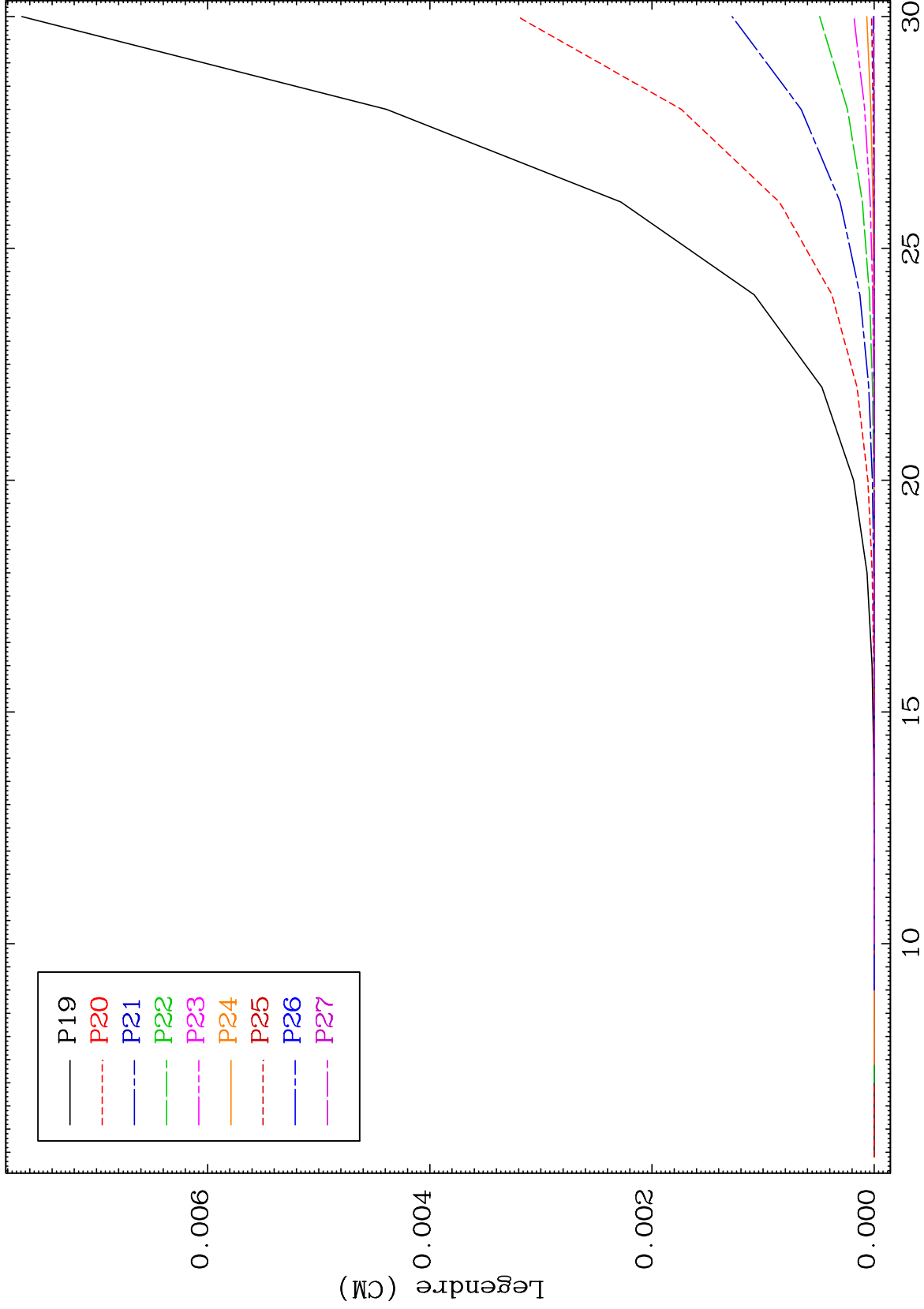
Incident Energy (MeV)

58-Ce-123

MAT 5786

Elastic Legendre Coefficients

58-Ce-123



17

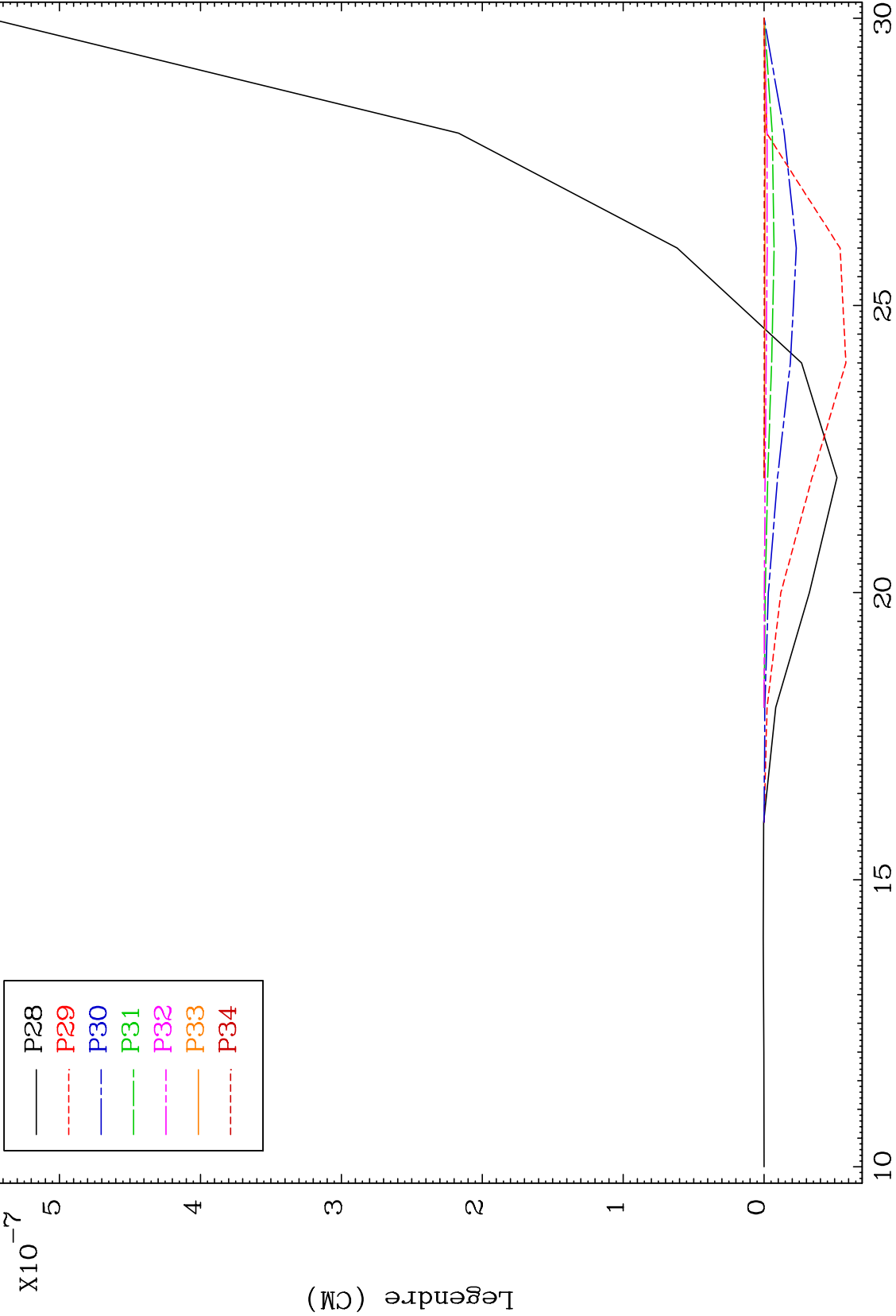
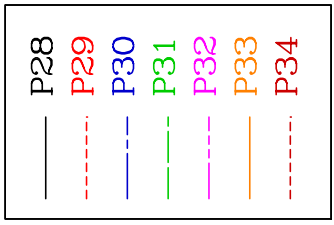
Incident Energy (MeV)

58-Ce-123

MAT 5786

Elastic Legendre Coefficients

58-Ce-123



18

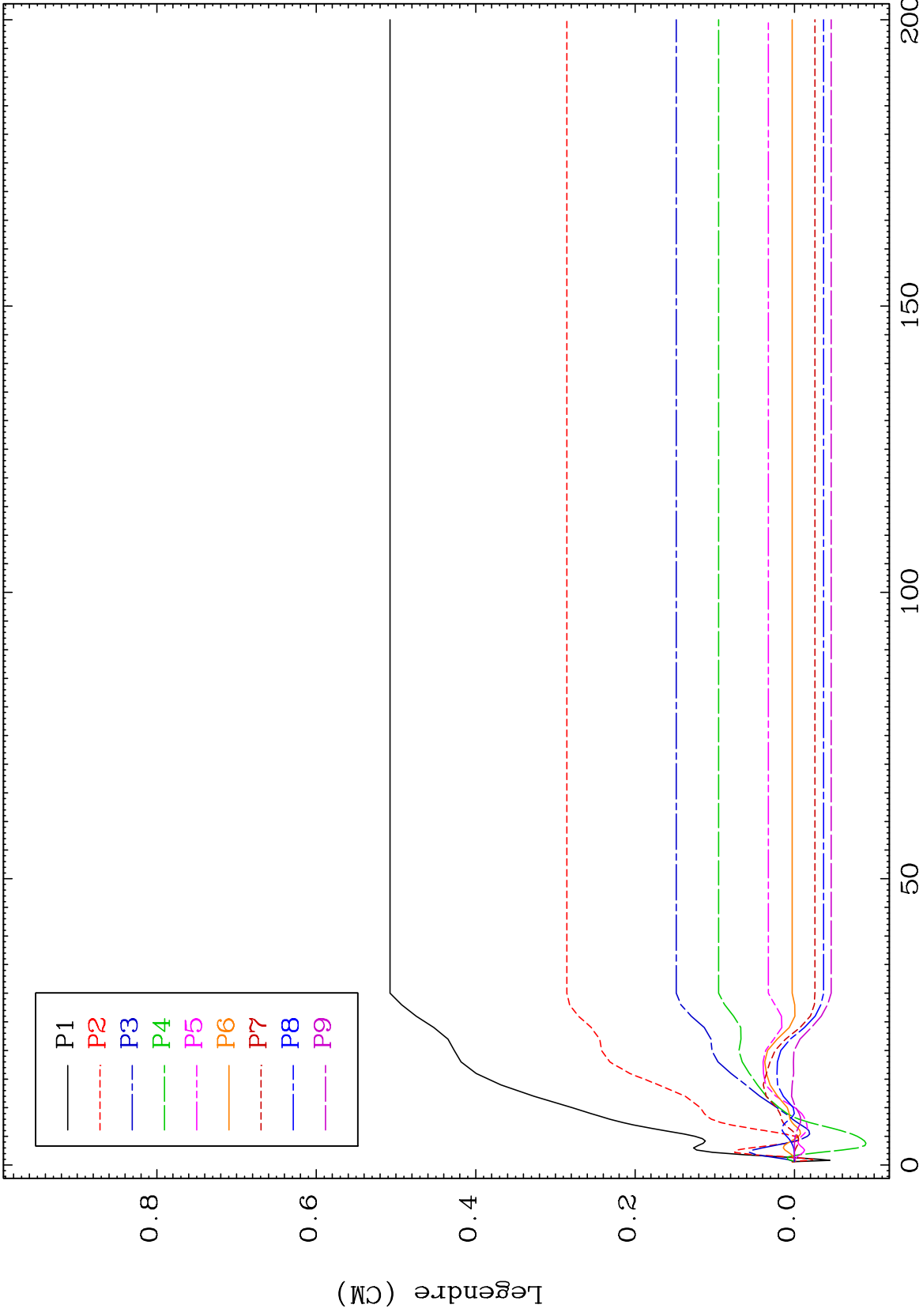
Incident Energy (MeV)

58-Ce-123

MAT 5786

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

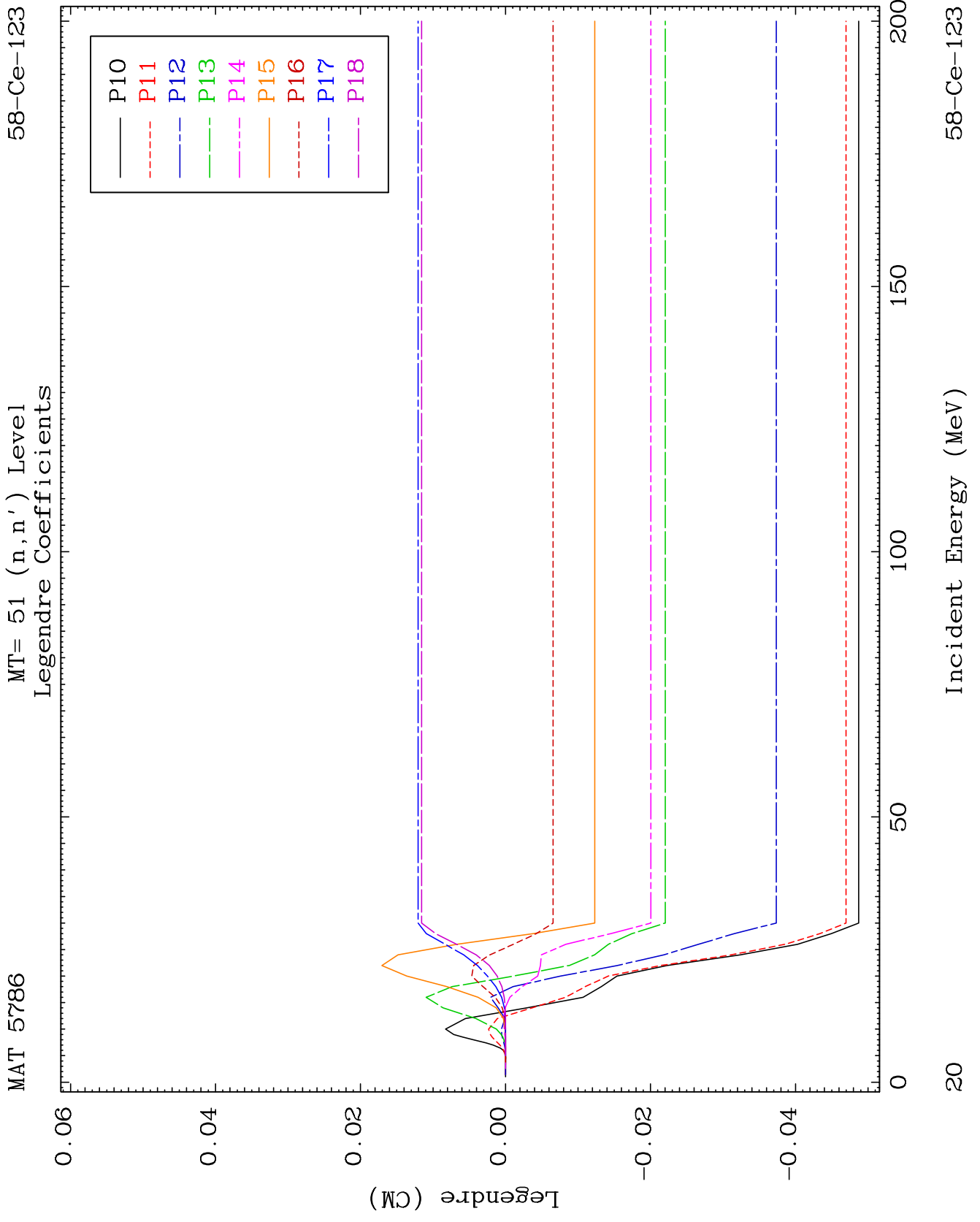
58-Ce-123



19

Incident Energy (MeV)

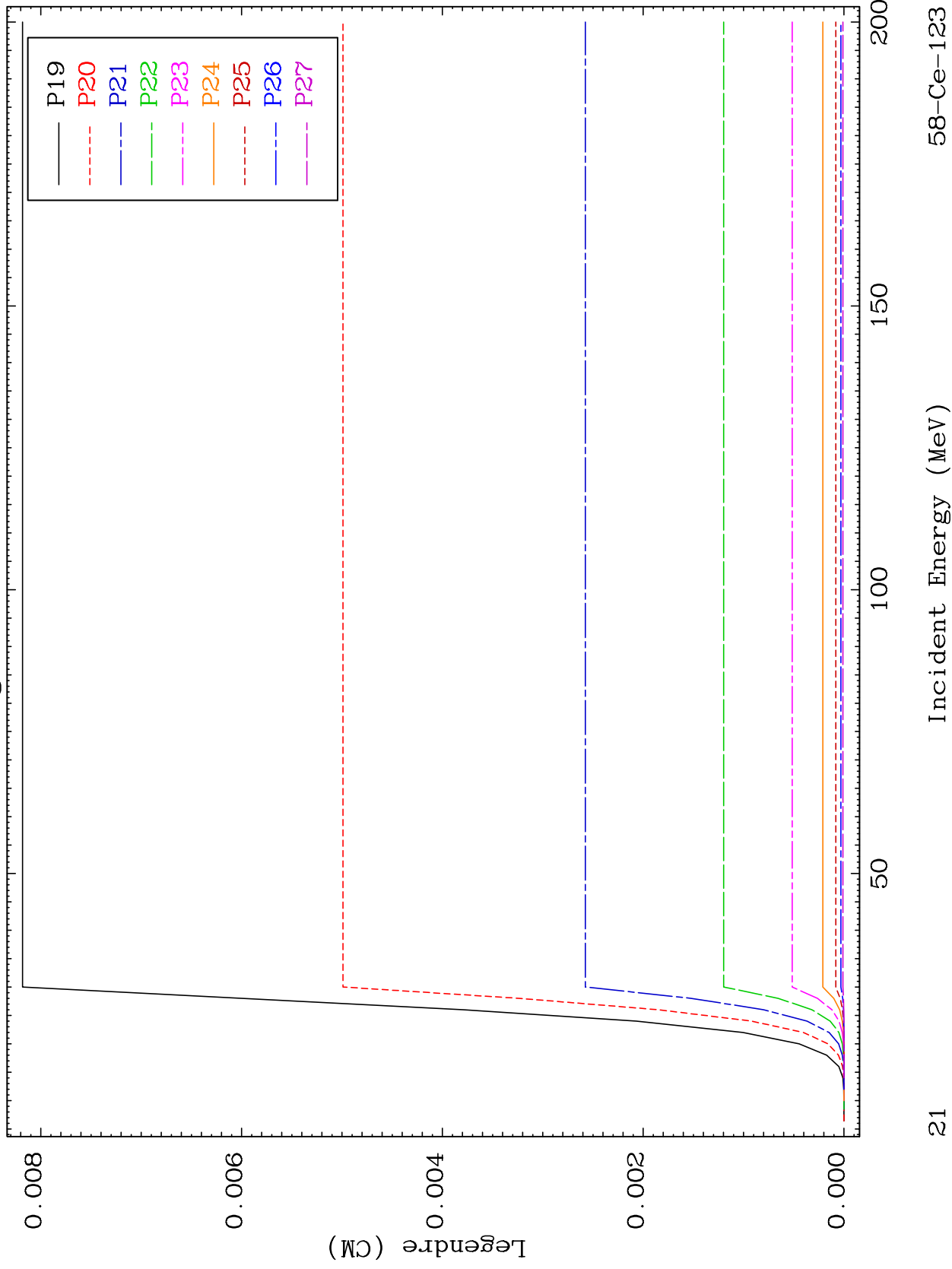
58-Ce-123



MAT 5786

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

58-Ce-123



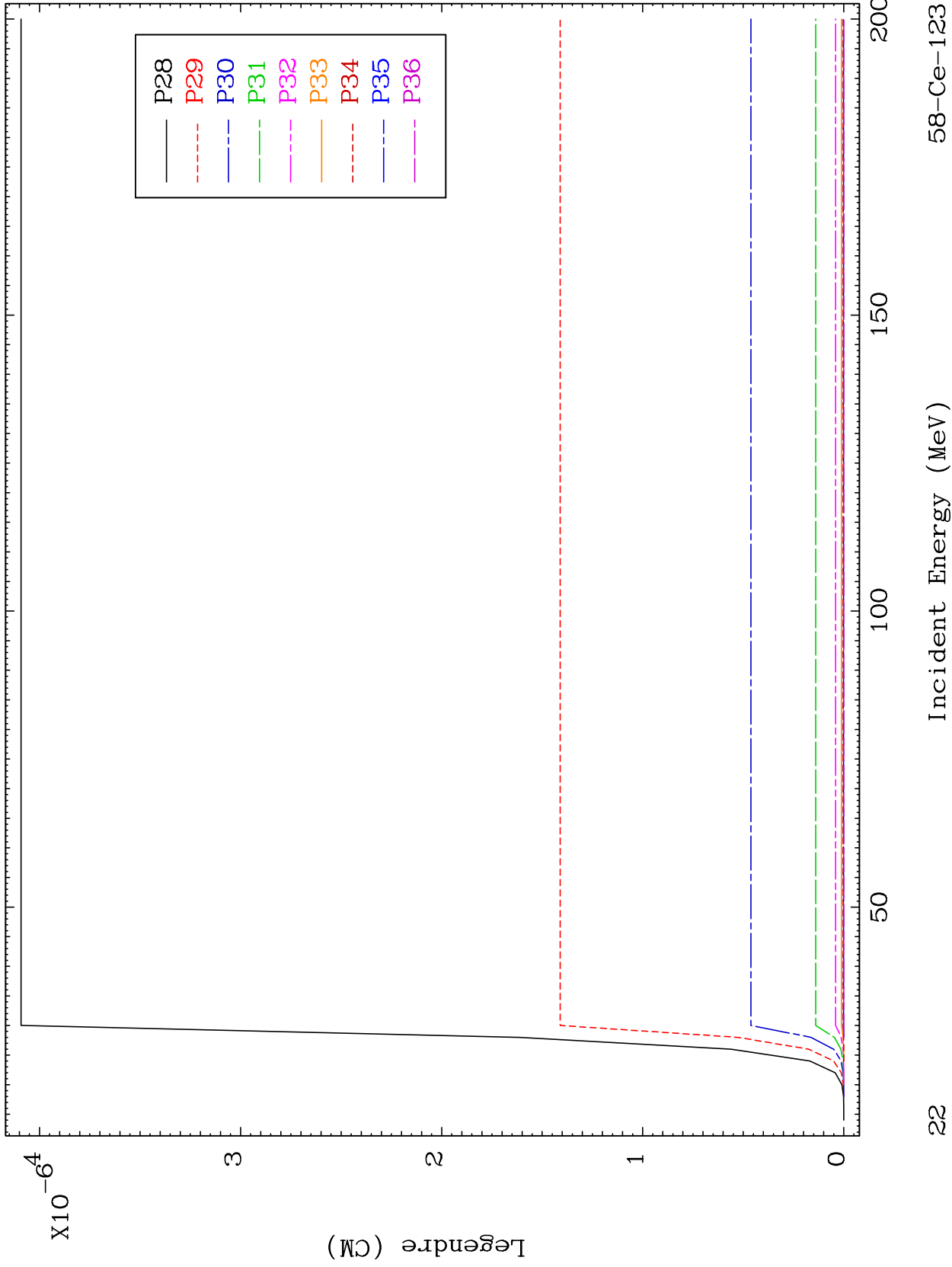
21

58-Ce-123

MAT 5786

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

58-Ce-123



22

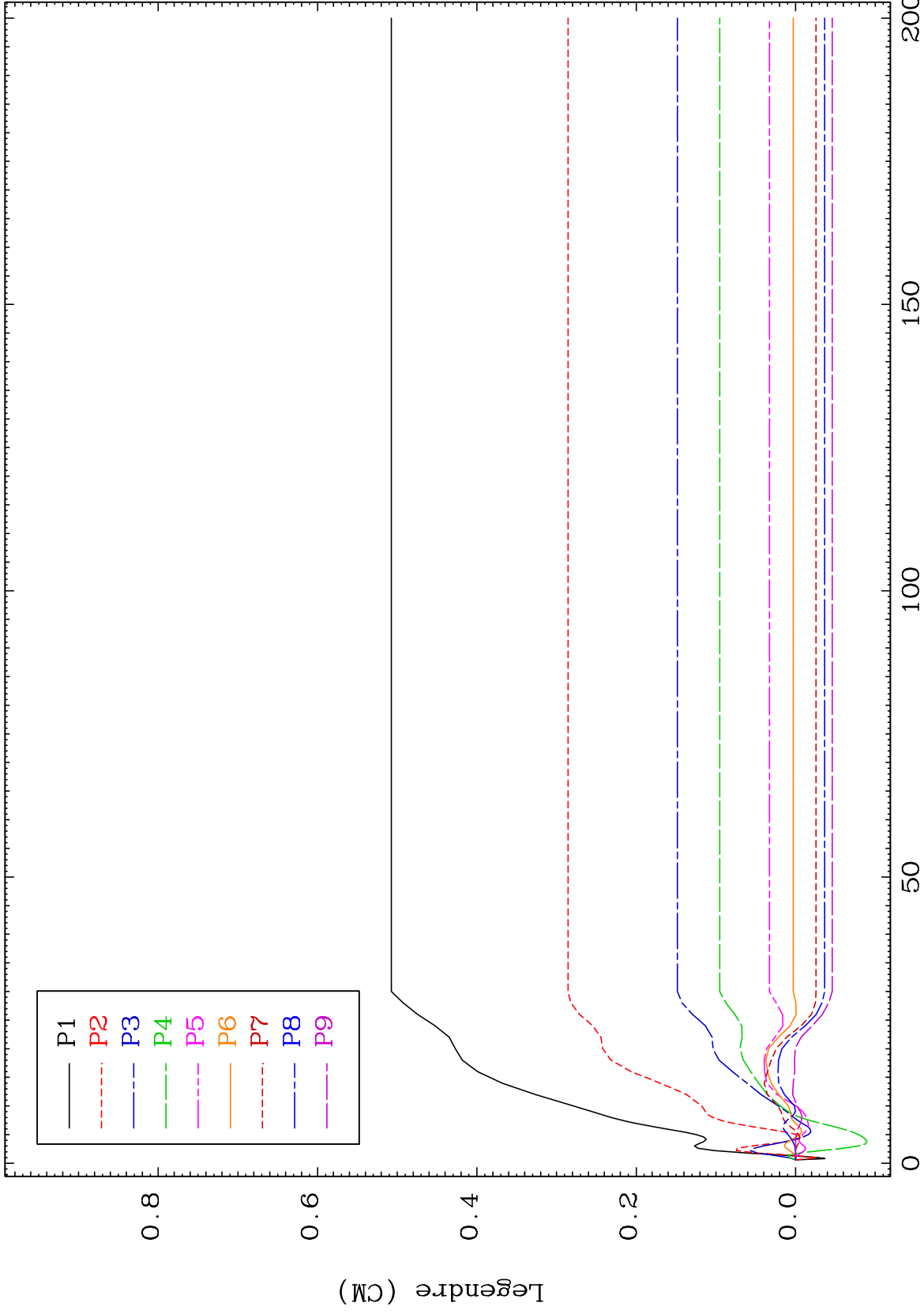
Incident Energy (MeV)

58-Ce-123

MAT 5786

MT= 52 (n,n') Level
Legendre Coefficients

58-Ce-123



23

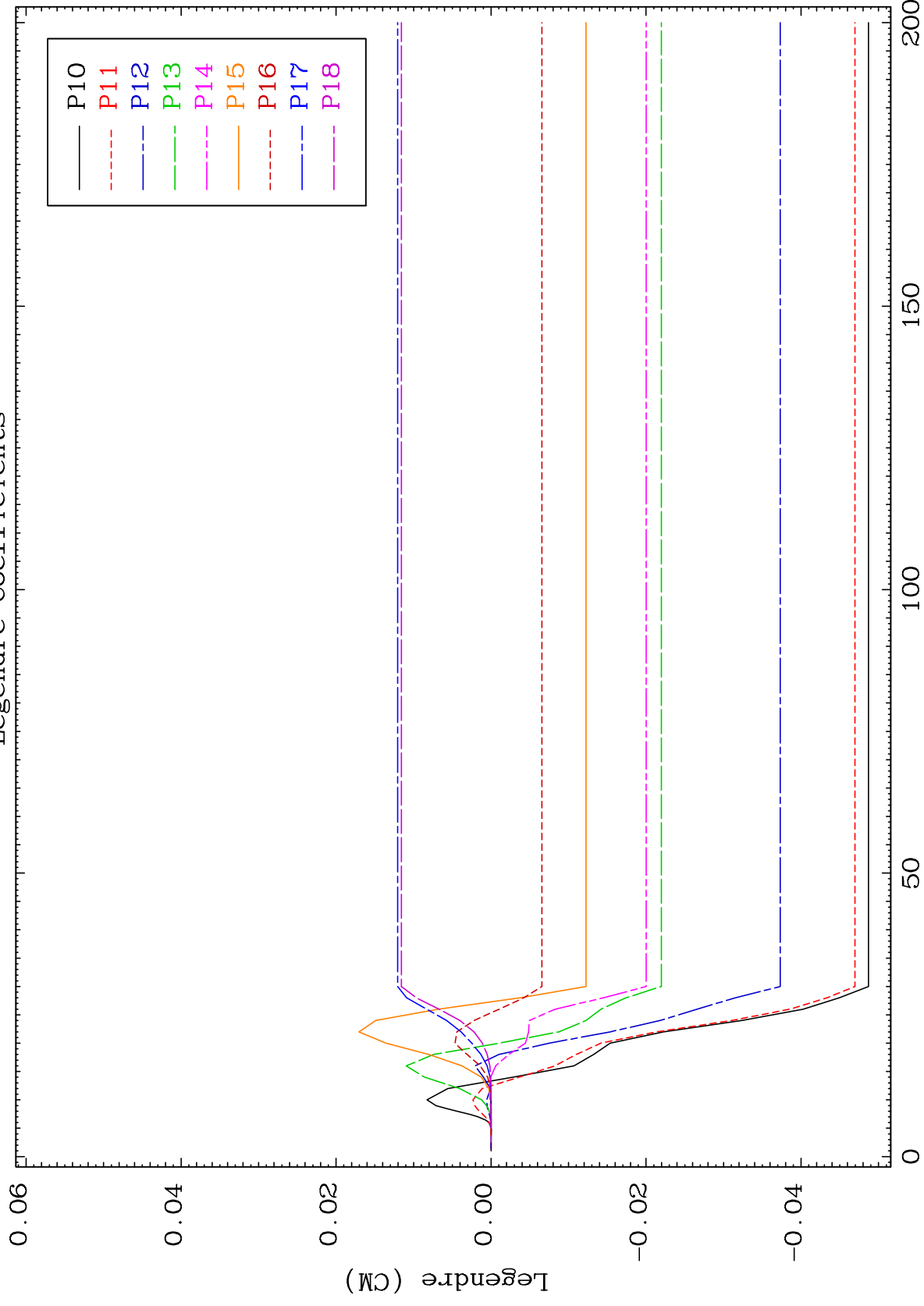
Incident Energy (MeV)

58-Ce-123

MAT 5786

MT= 52 (n,n') Level
Legendre Coefficients

58-Ce-123



24

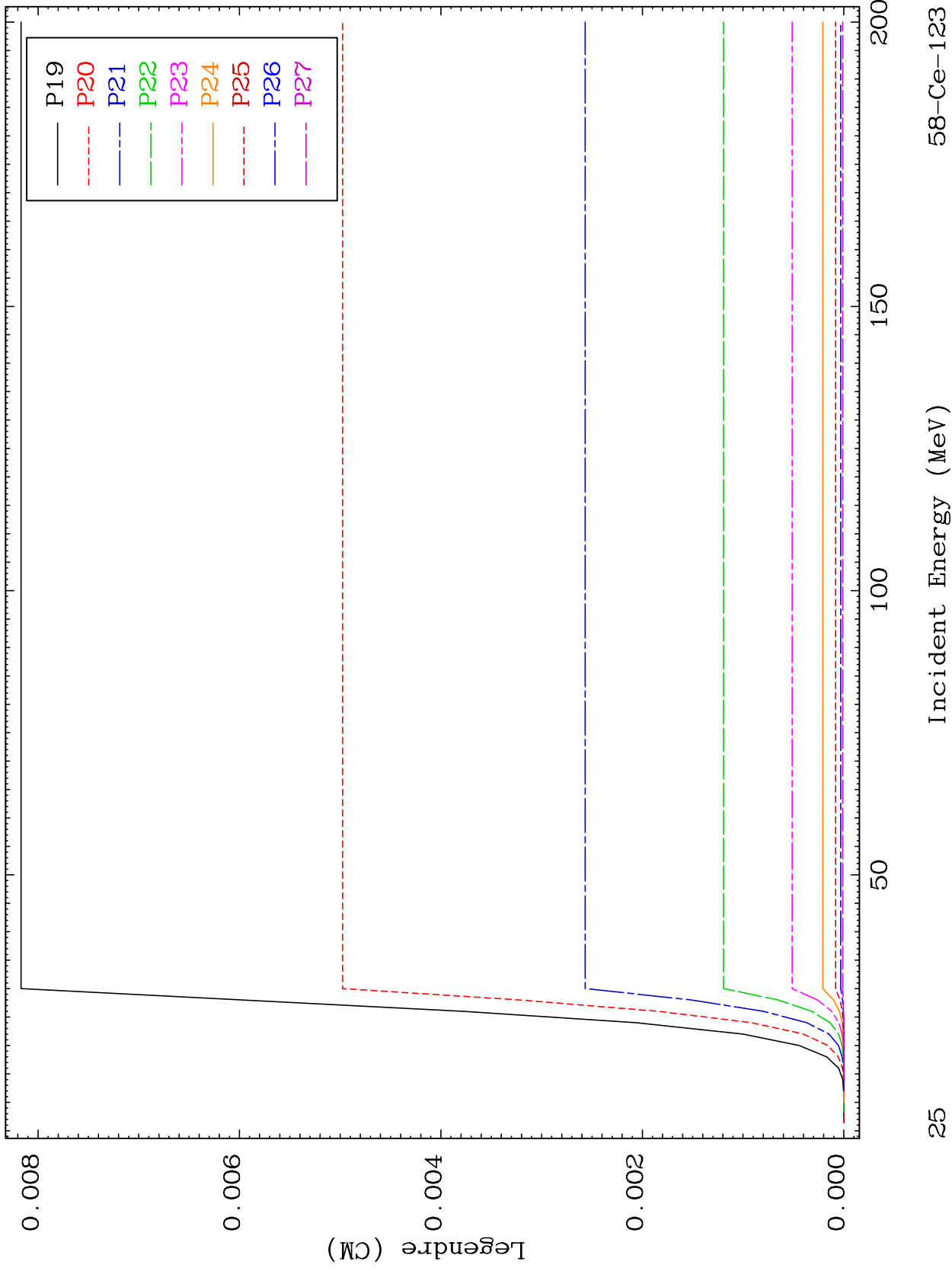
Incident Energy (MeV)

58-Ce-123

MAT 5786

MT= 52 (n,n') Level
Legendre Coefficients

58-Ce-123



58-Ce-123

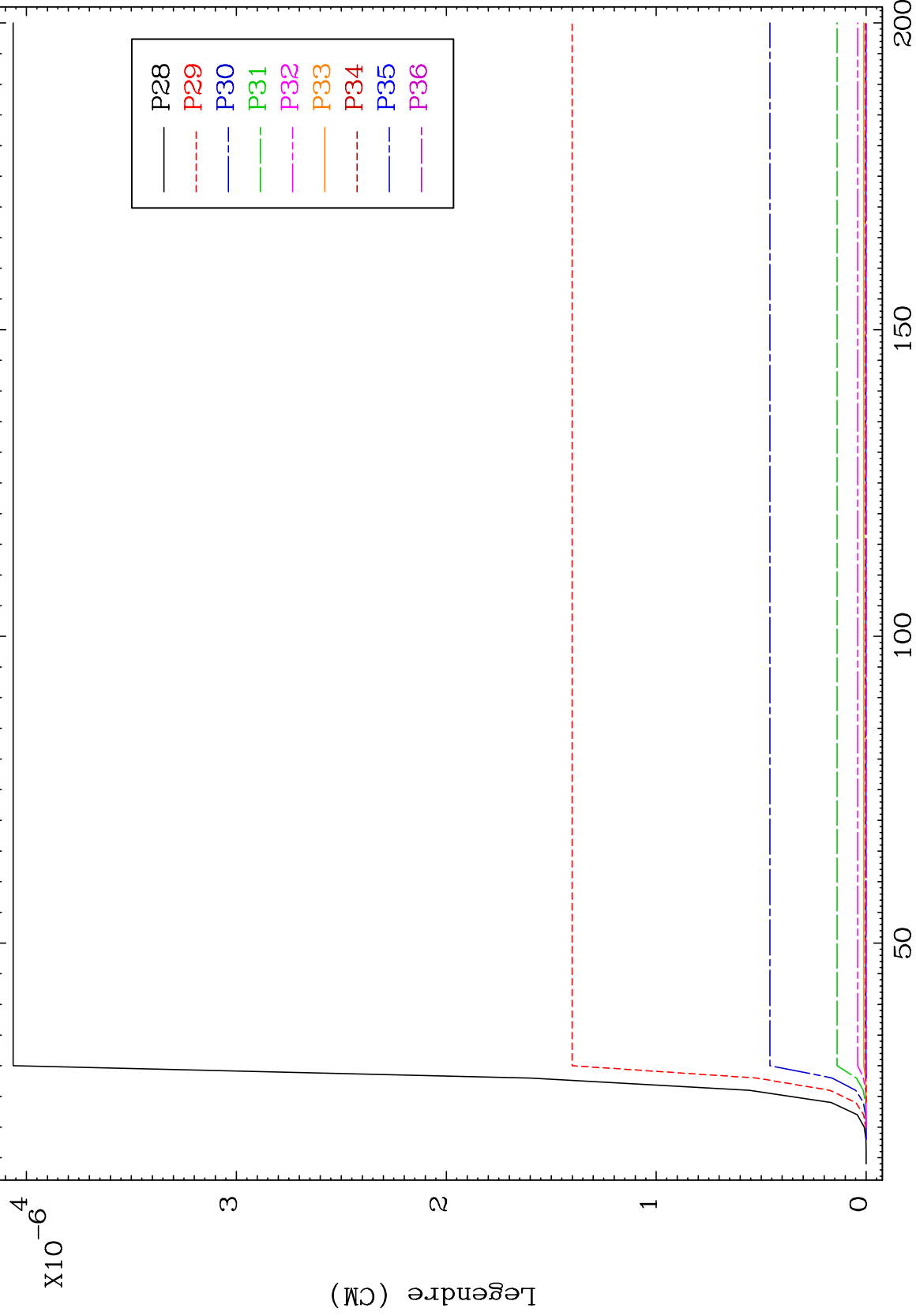
Incident Energy (MeV)

25

MAT 5786

MT= 52 (n,n') Level
Legendre Coefficients

58-Ce-123



26

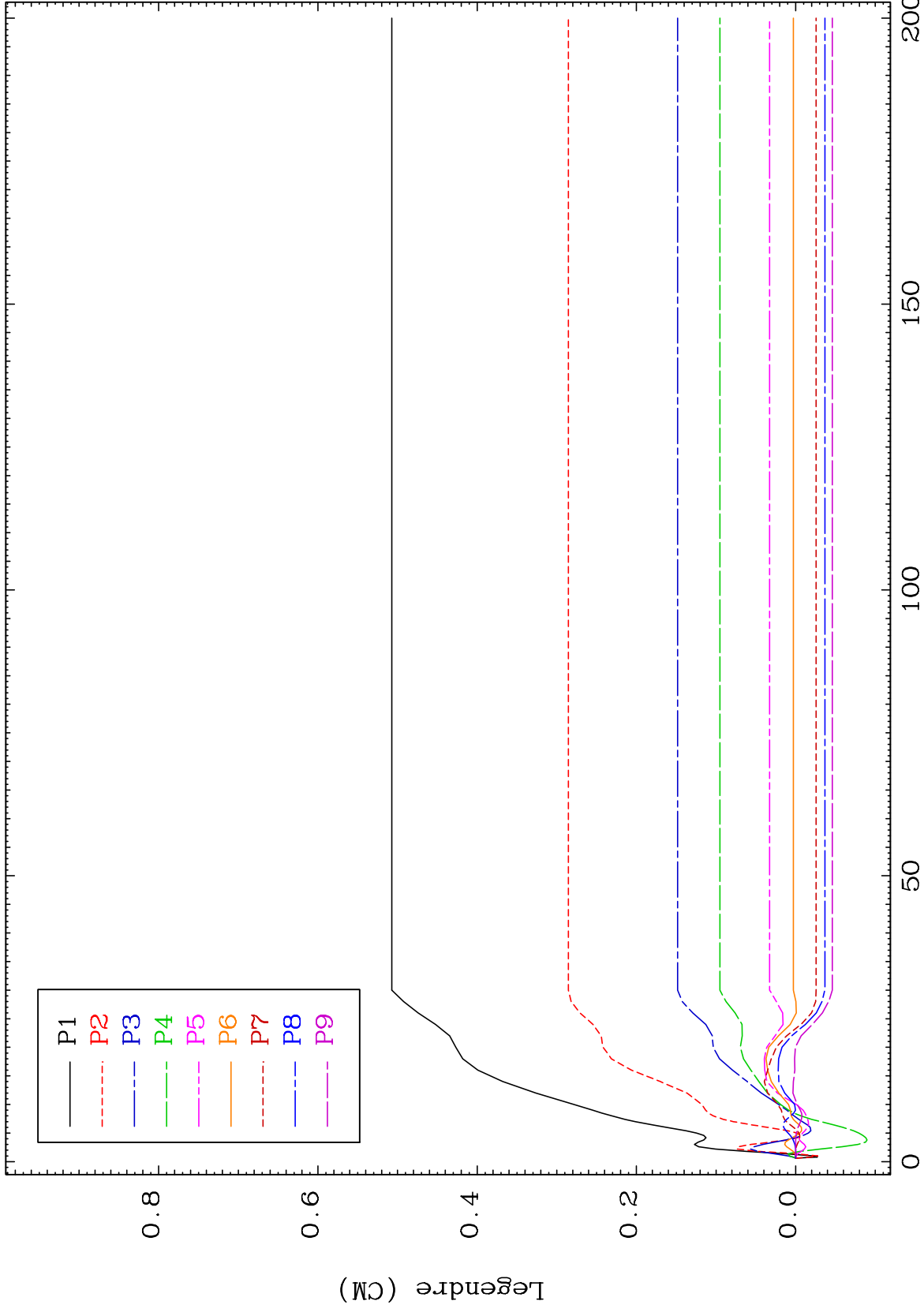
Incident Energy (MeV)

58-Ce-123

MAT 5786

MT= 53 (n,n') Level
Legendre Coefficients

58-Ce-123



27

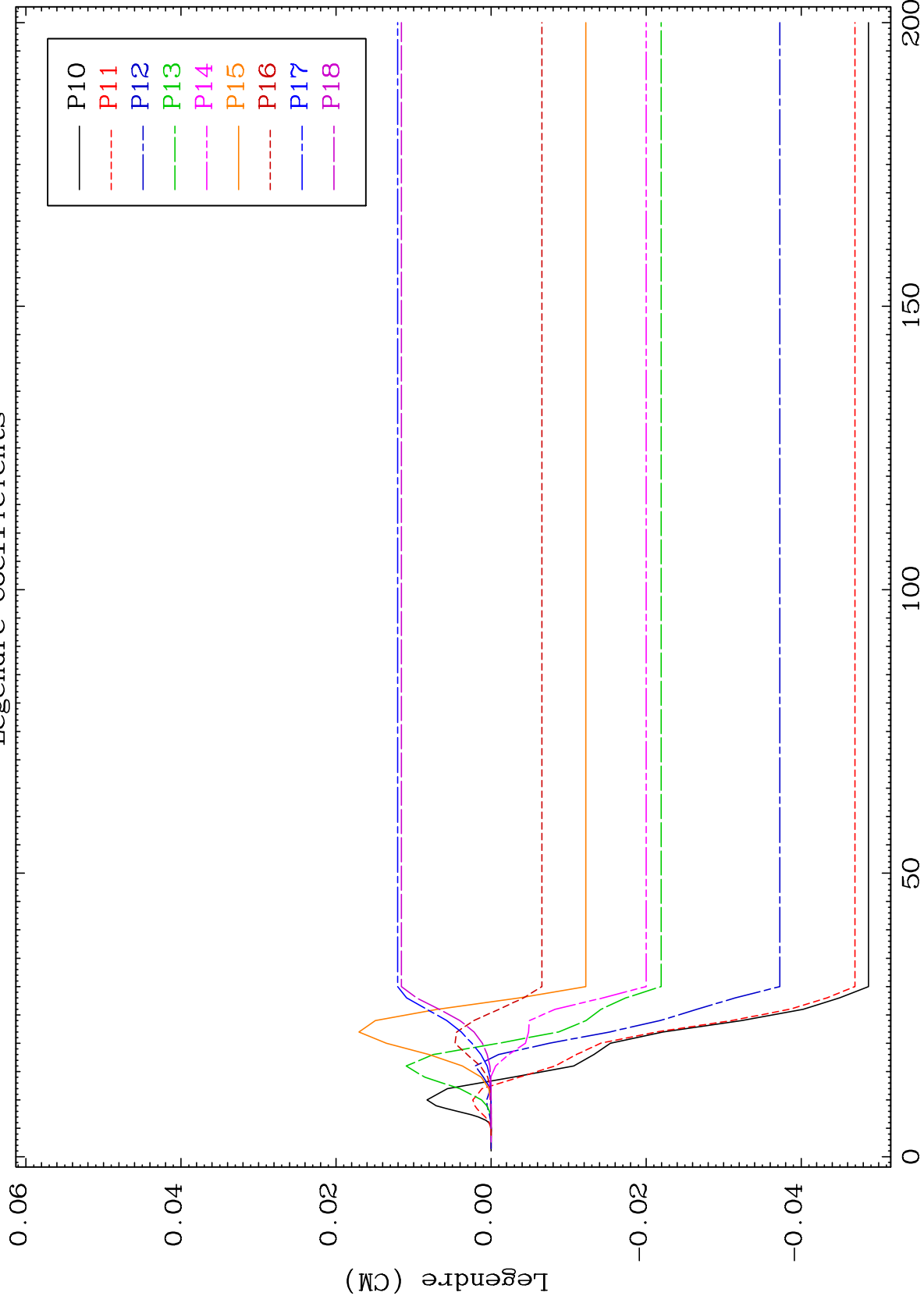
Incident Energy (MeV)

58-Ce-123

MAT 5786

MT= 53 (n,n') Level
Legendre Coefficients

58-Ce-123



28

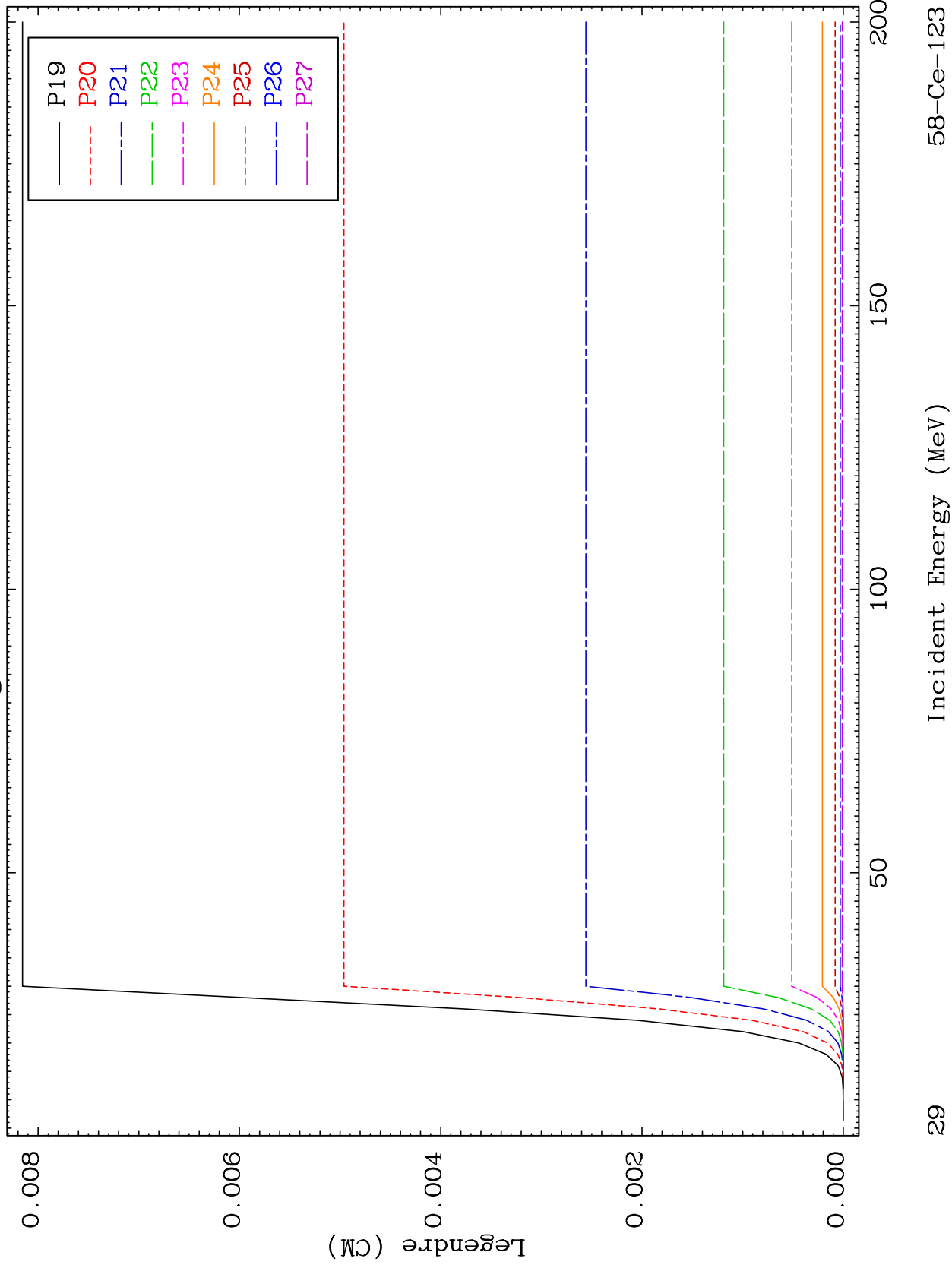
Incident Energy (MeV)

58-Ce-123

MAT 5786

MT= 53 (n,n') Level
Legendre Coefficients

58-Ce-123



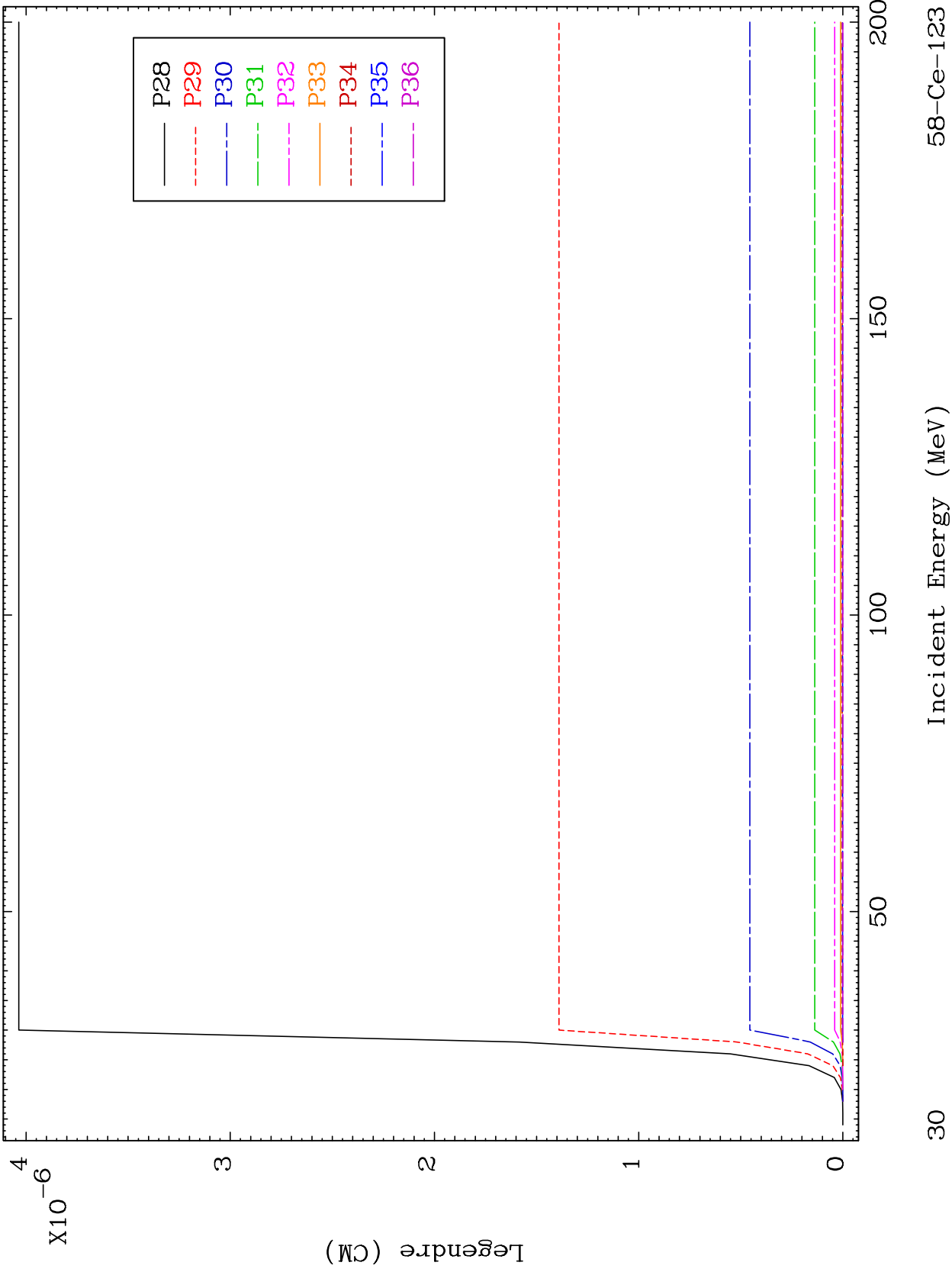
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58-Ce-123

MAT 5786

MT= 53 (n,n') Level
Legendre Coefficients

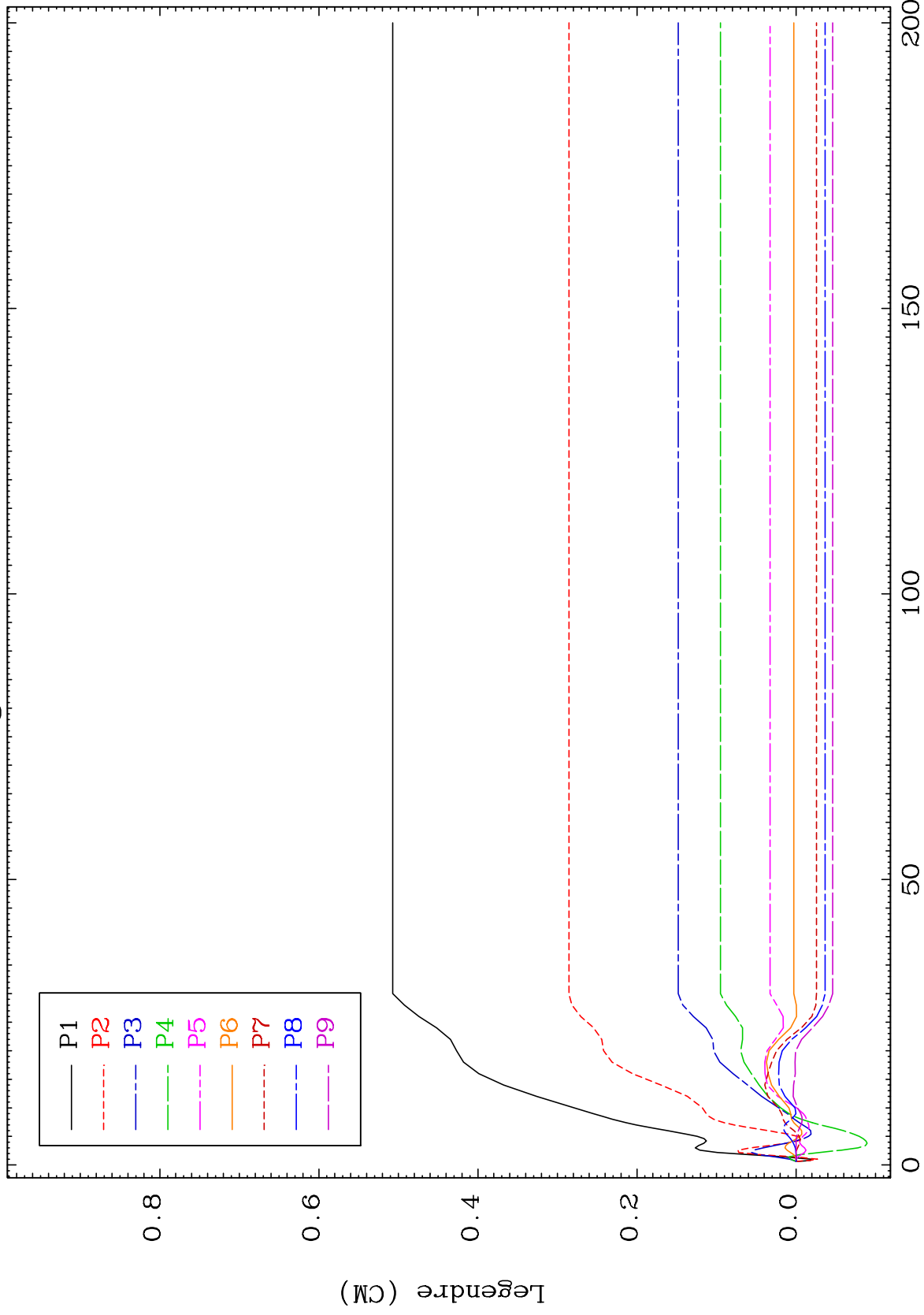
58-Ce-123



MAT 5786

MT= 54 (n,n') Level
Legendre Coefficients

58-Ce-123



31

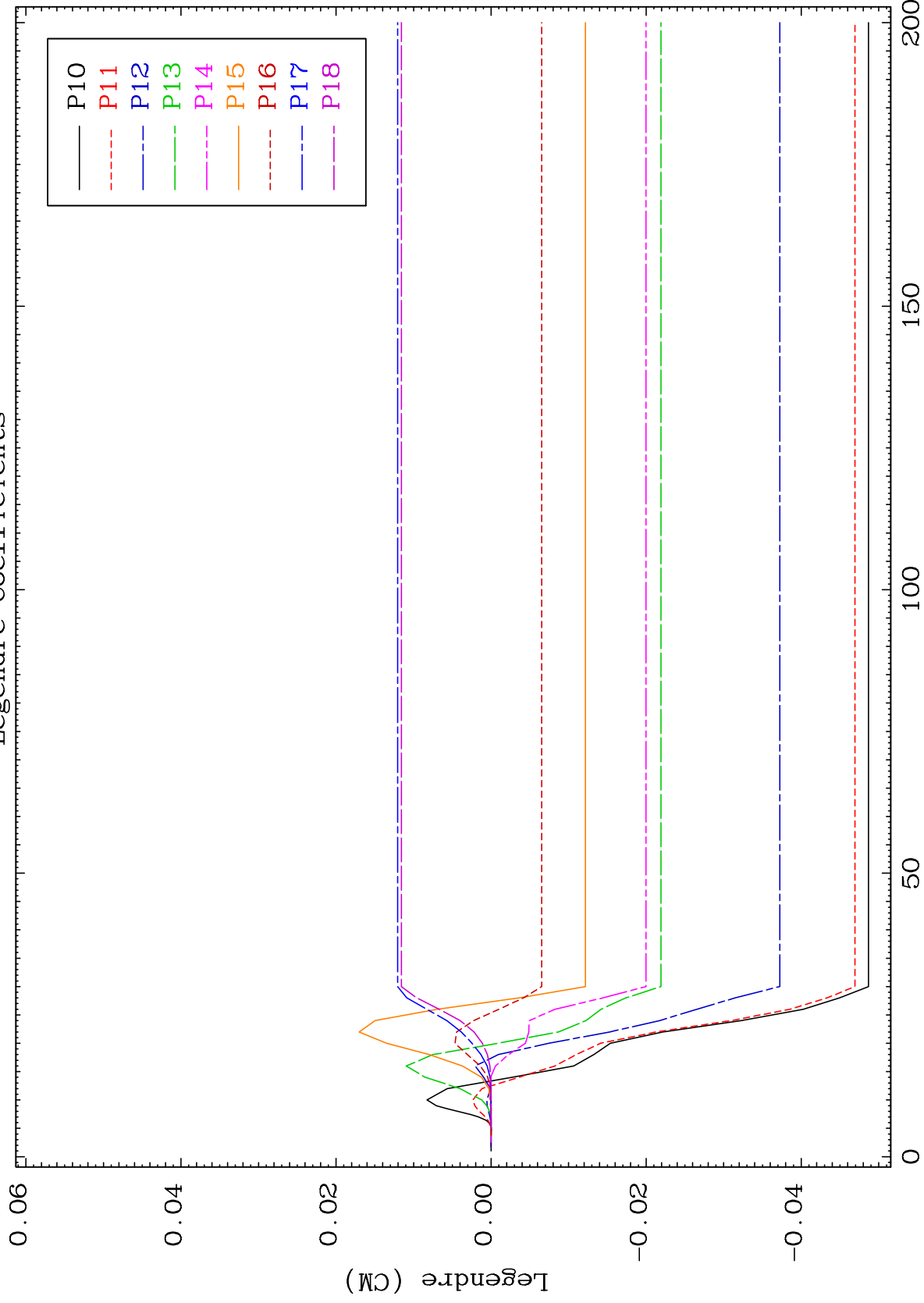
Incident Energy (MeV)

58-Ce-123

MAT 5786

MT= 54 (n,n') Level
Legendre Coefficients

58-Ce-123



32

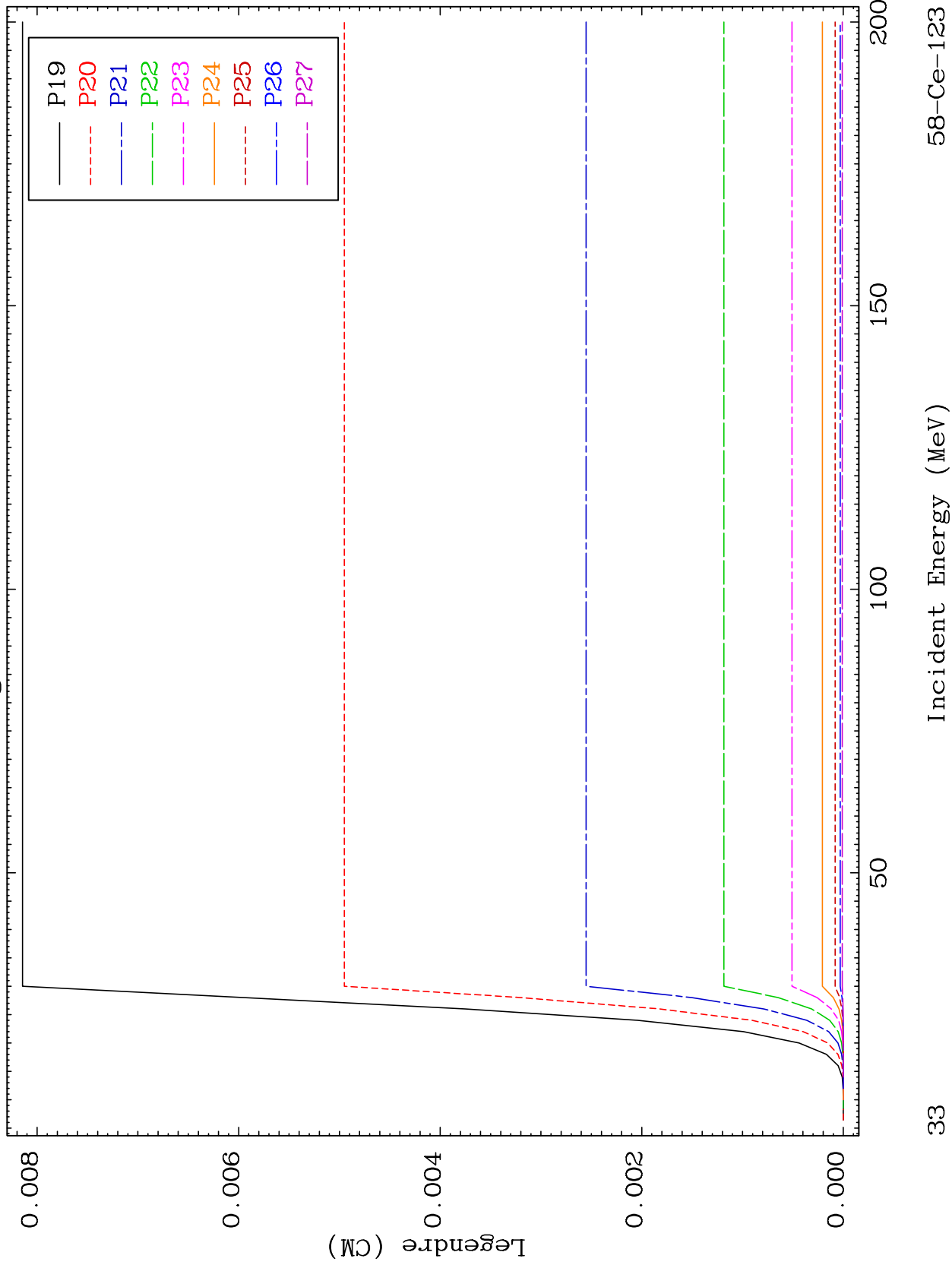
Incident Energy (MeV)

58-Ce-123

MAT 5786

MT= 54 (n,n') Level
Legendre Coefficients

58-Ce-123



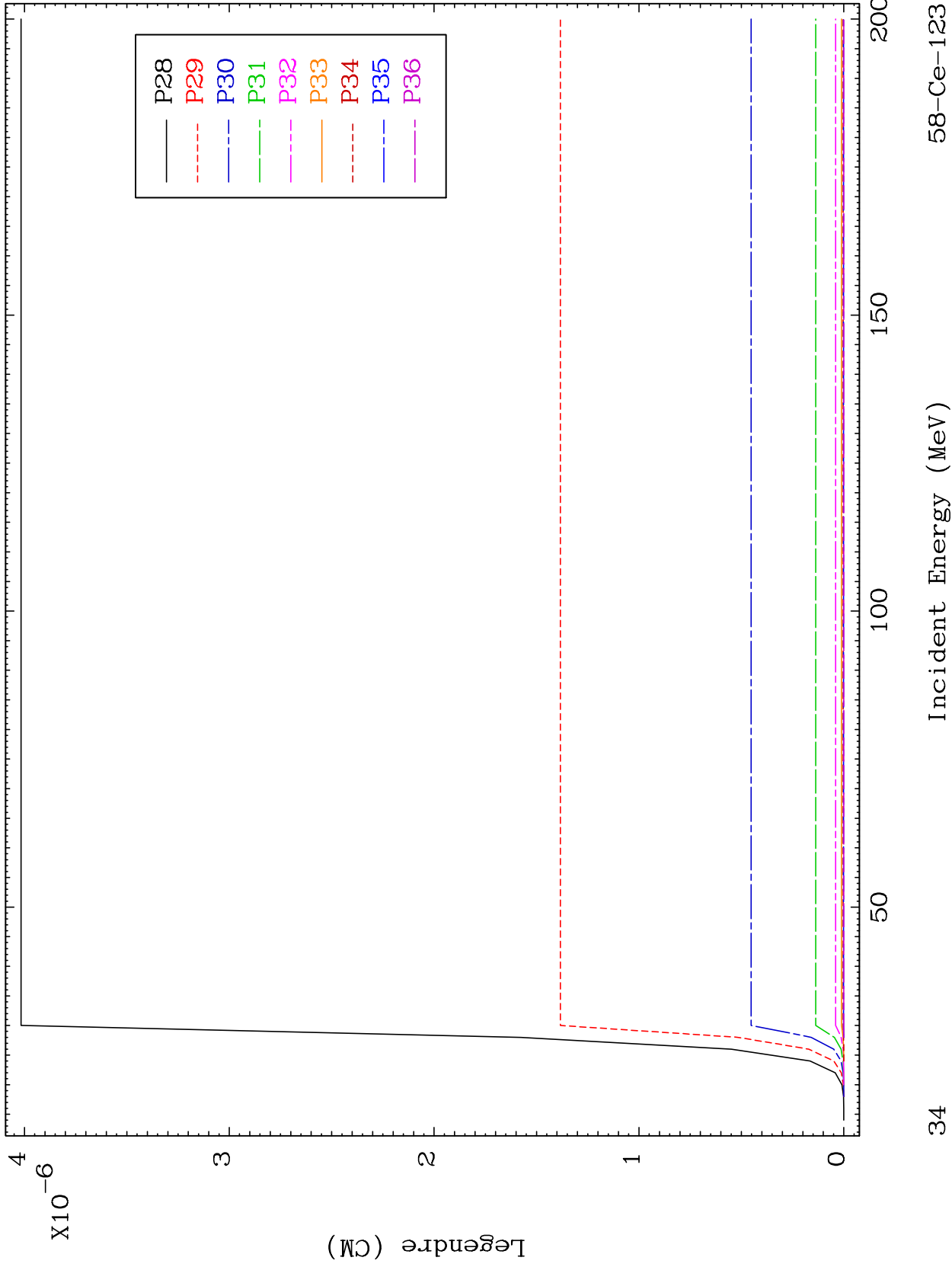
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58-Ce-123

MAT 5786

MT= 54 (n,n') Level
Legendre Coefficients

58-Ce-123



34

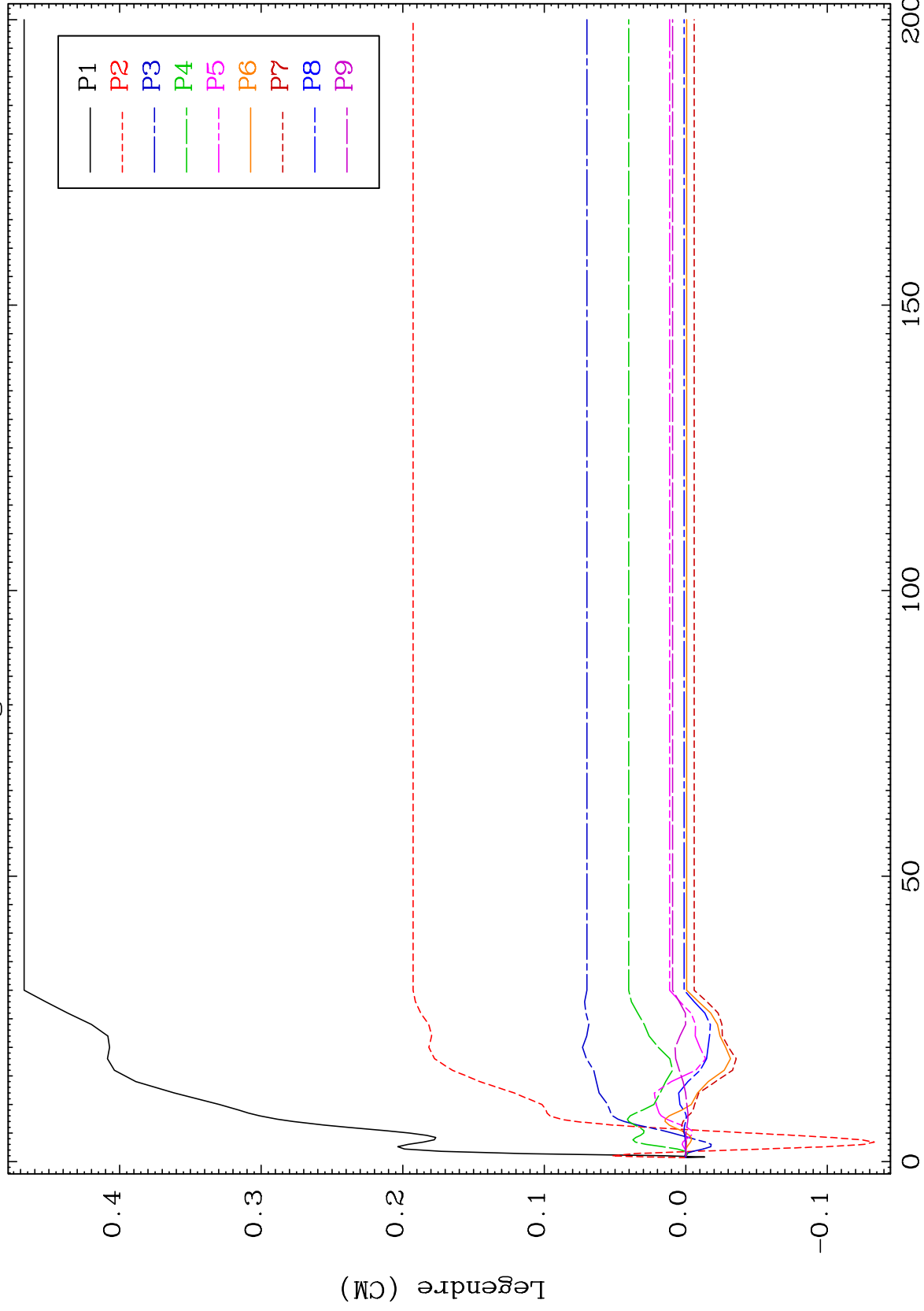
Incident Energy (MeV)

58-Ce-123

MAT 5786

MT= 55 (n,n') Level
Legendre Coefficients

58-Ce-123



58-Ce-123

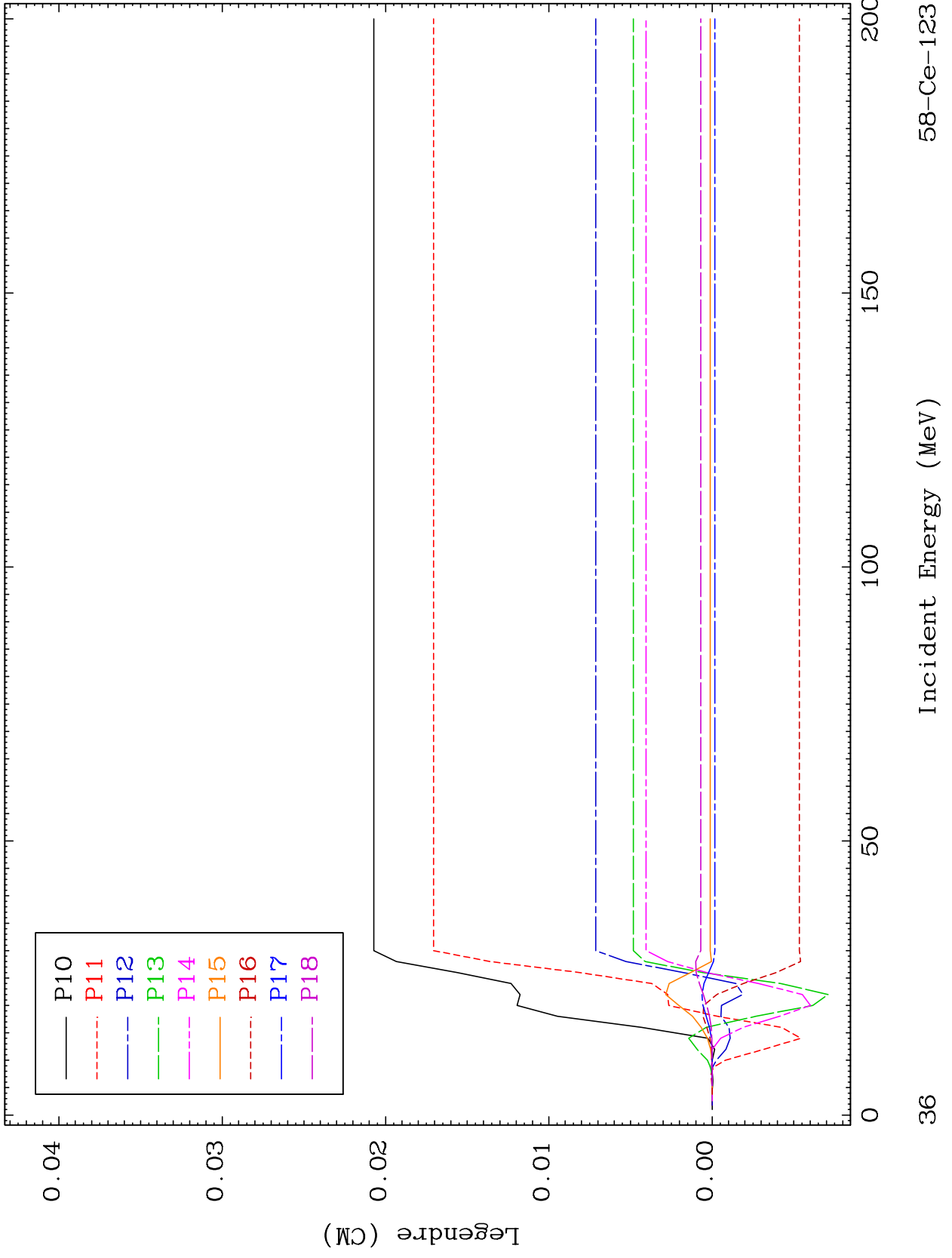
Incident Energy (MeV)

35

MAT 5786

MT= 55 (n,n') Level
Legendre Coefficients

58-Ce-123



36

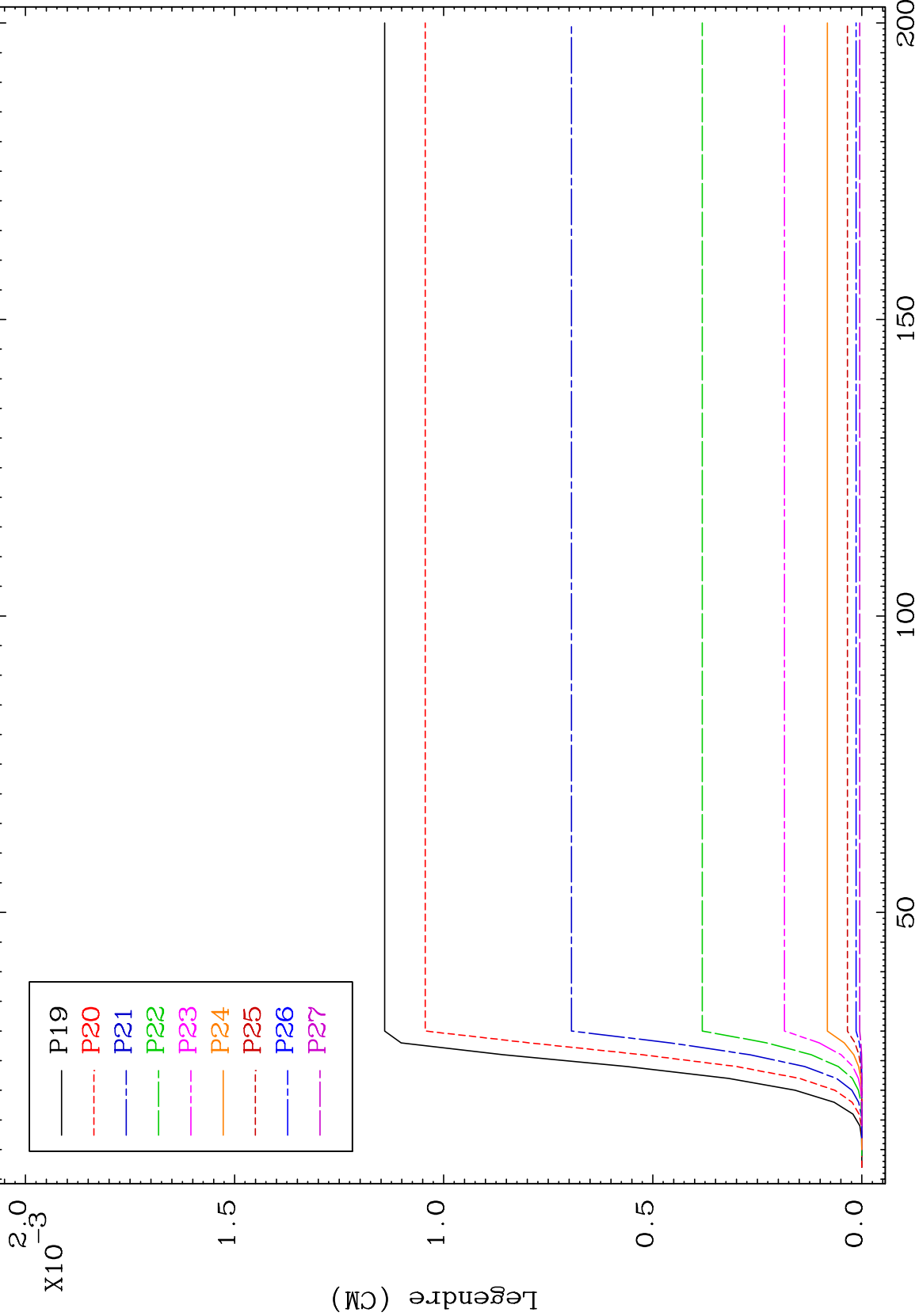
Incident Energy (MeV)

58-Ce-123

MAT 5786

MT= 55 (n,n') Level
Legendre Coefficients

58-Ce-123



37

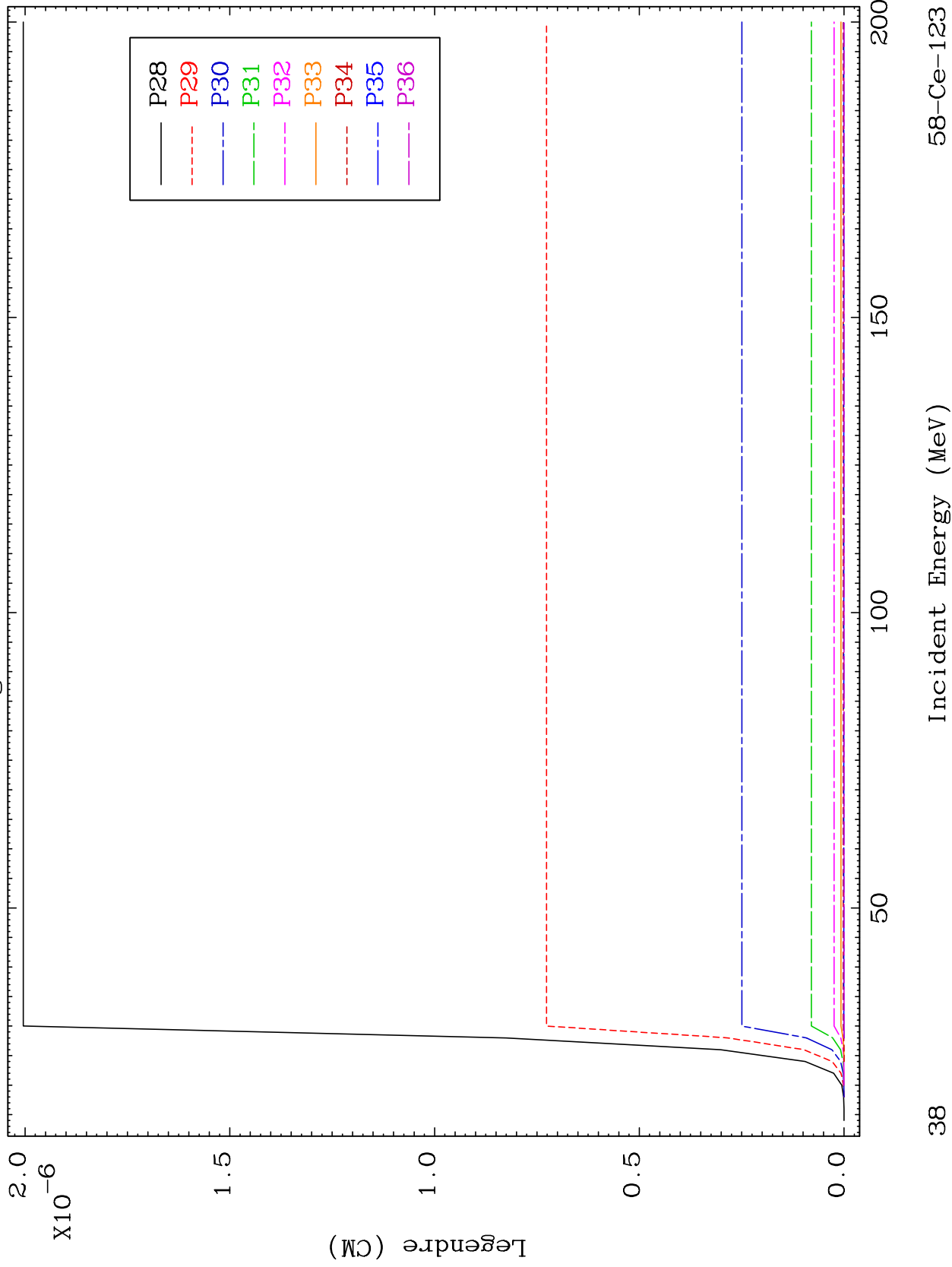
Incident Energy (MeV)

58-Ce-123

MAT 5786

MT= 55 (n,n') Level
Legendre Coefficients

58-Ce-123



38

Incident Energy (MeV)

58-Ce-123

200

150

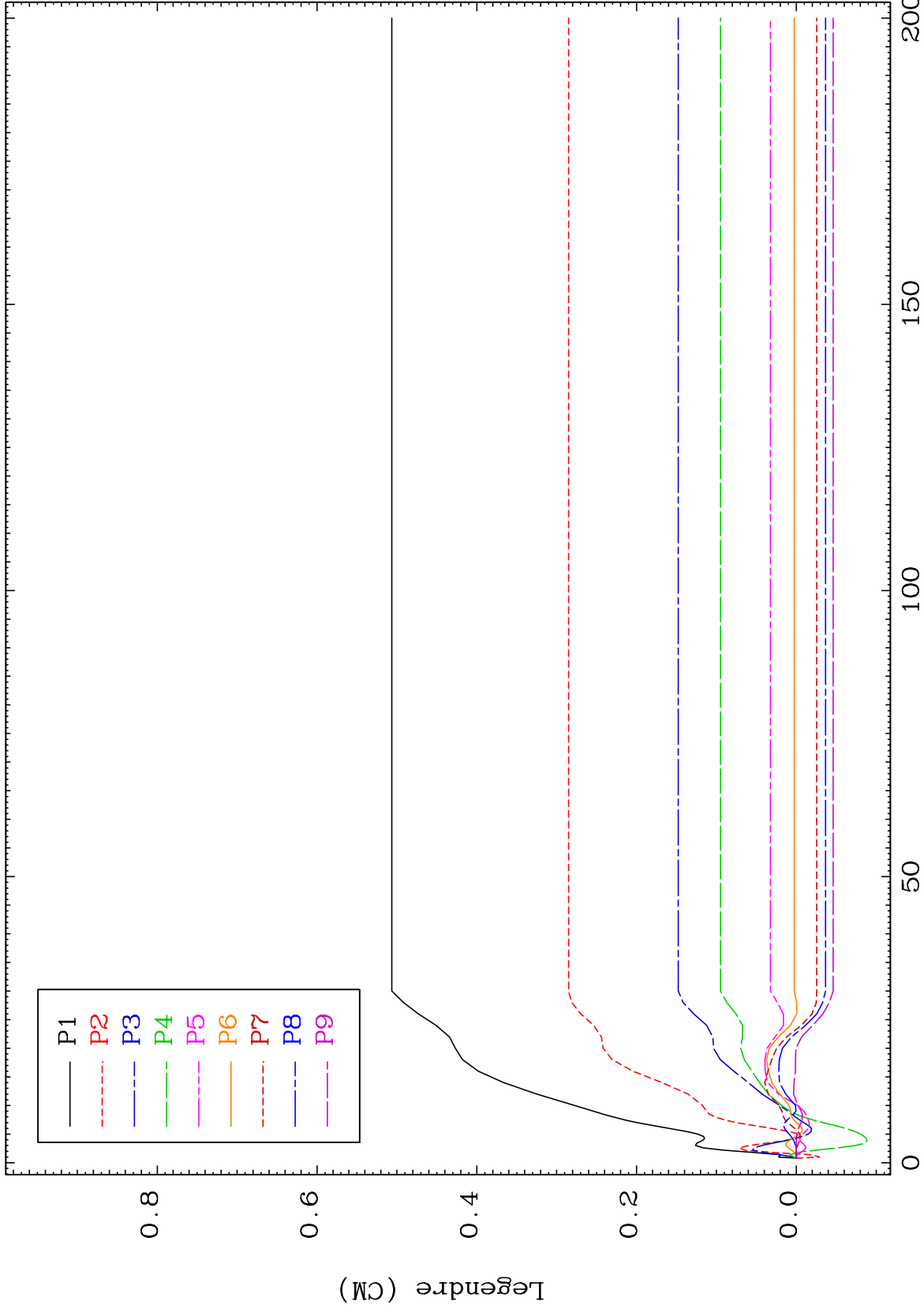
100

50

MAT 5786

MT= 56 (n,n') Level
Legendre Coefficients

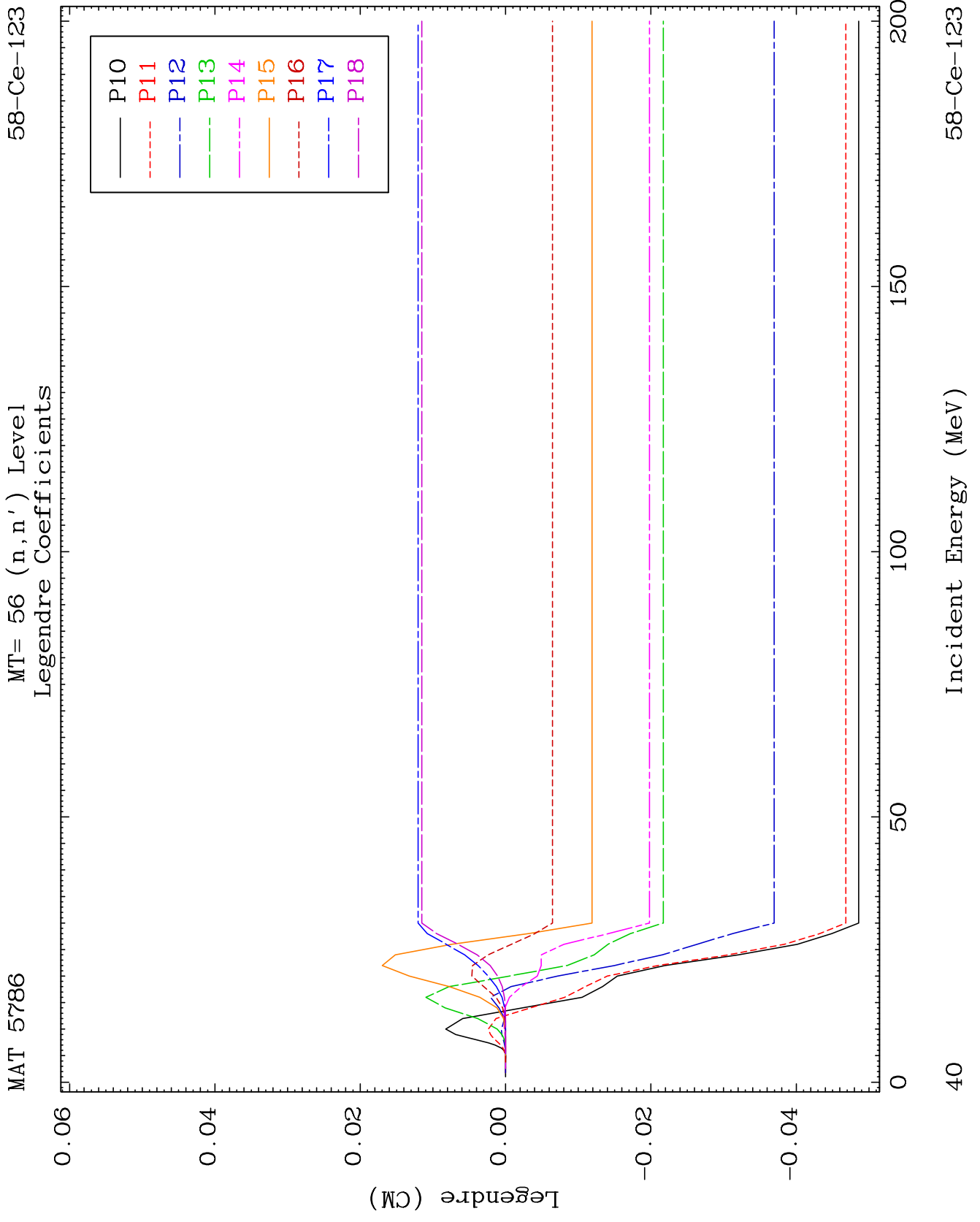
58-Ce-123



39

Incident Energy (MeV)

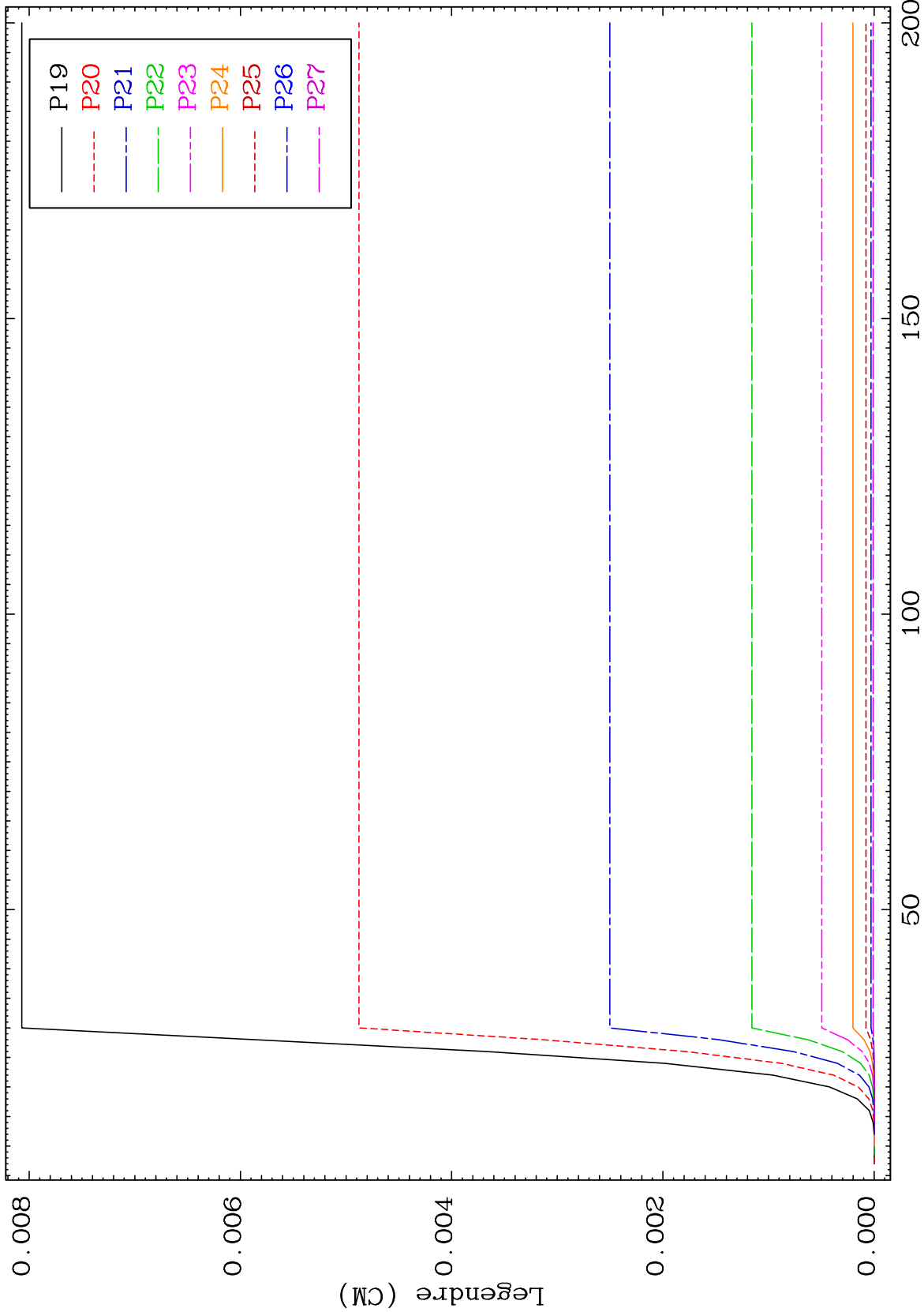
58-Ce-123



MAT 5786

MT= 56 (n,n') Level
Legendre Coefficients

58-Ce-123



41

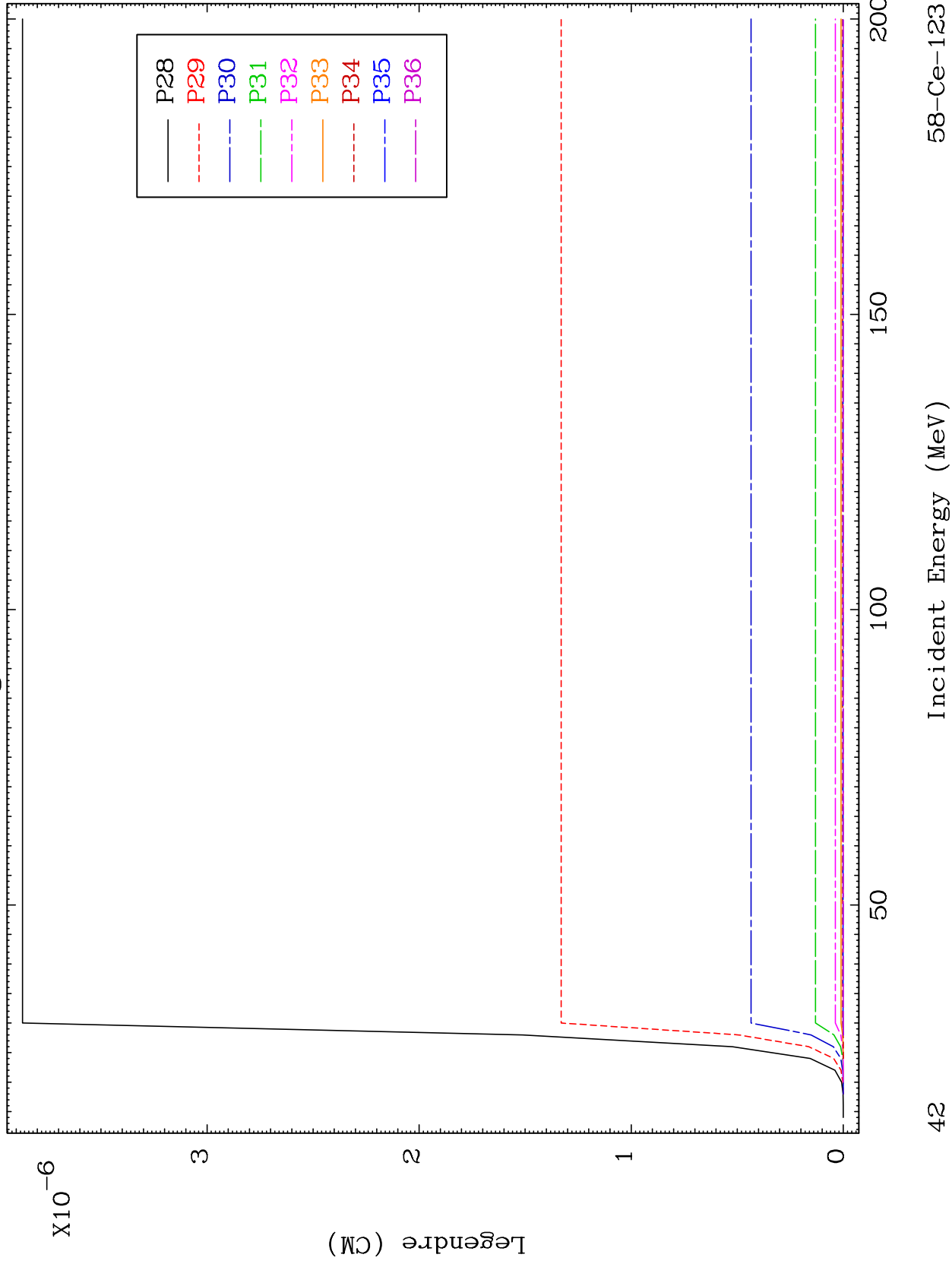
Incident Energy (MeV)

58-Ce-123

MAT 5786

MT= 56 (n,n') Level
Legendre Coefficients

58-Ce-123

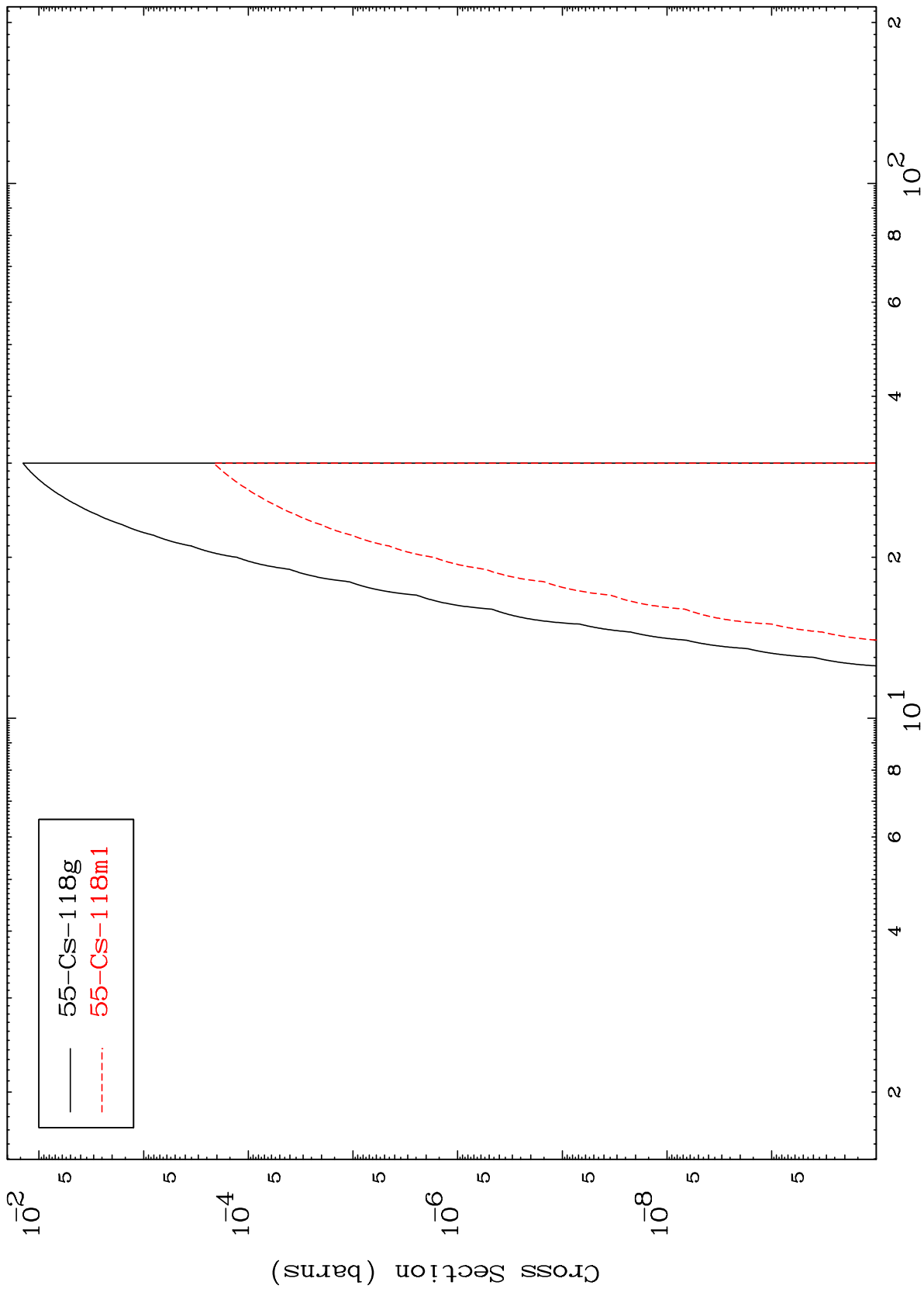


MAT 5786

(n,n') p α

58-Ce-123

Radionuclide Production Cross Section



55-Cs-118g
55-Cs-118m1

43

Incident Energy (MeV)

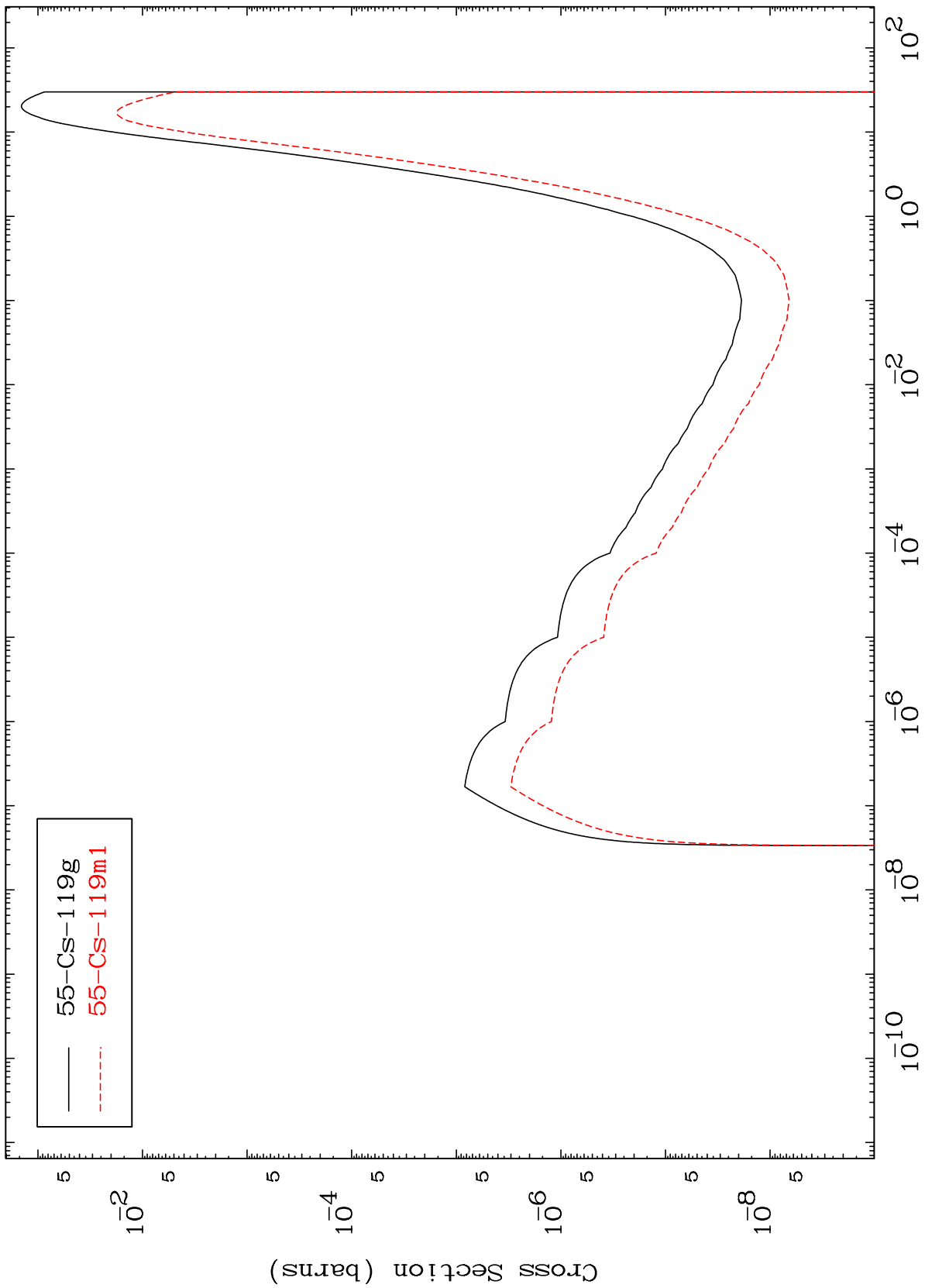
58-Ce-123

MAT 5786

(n,p) α

58-Ce-123

Radionuclide Production Cross Section



44

Incident Energy (MeV)

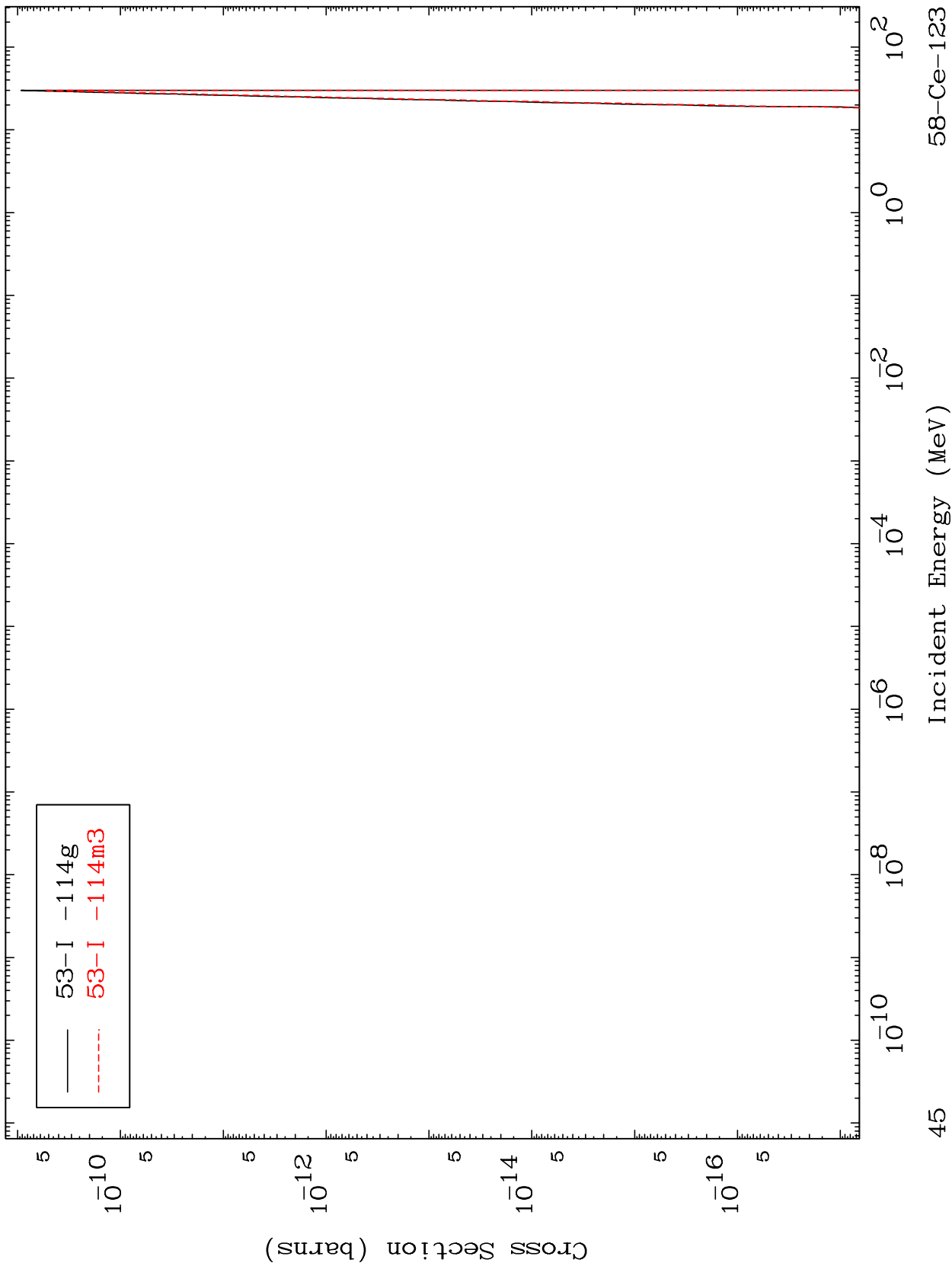
58-Ce-123

MAT 5786

(n,d) 2 α

58-Ce-123

Radionuclide Production Cross Section



45

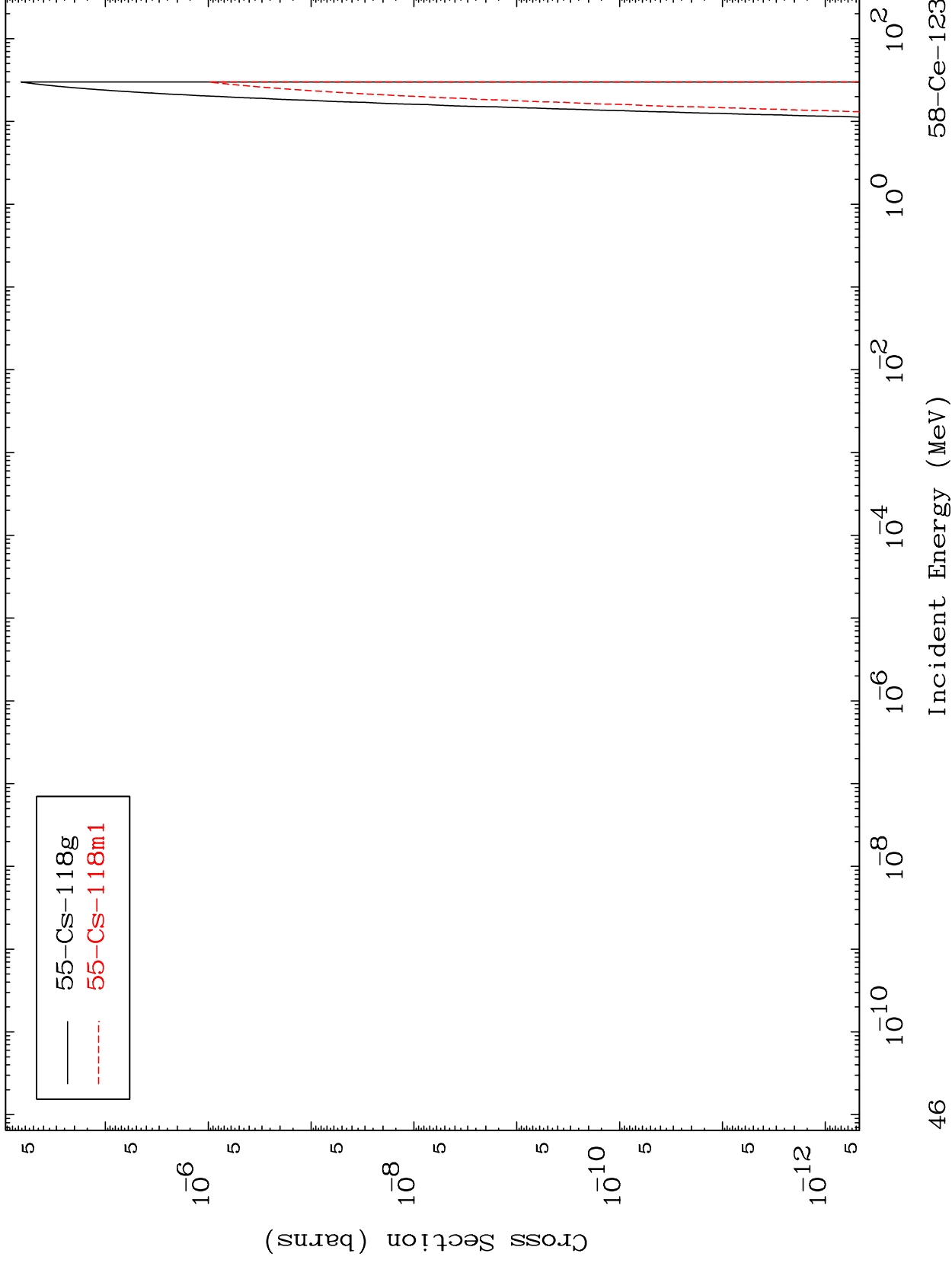
58-Ce-123

MAT 5786

(n,d) α

58-Ce-123

Radionuclide Production Cross Section



46

Incident Energy (MeV)

58-Ce-123