

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

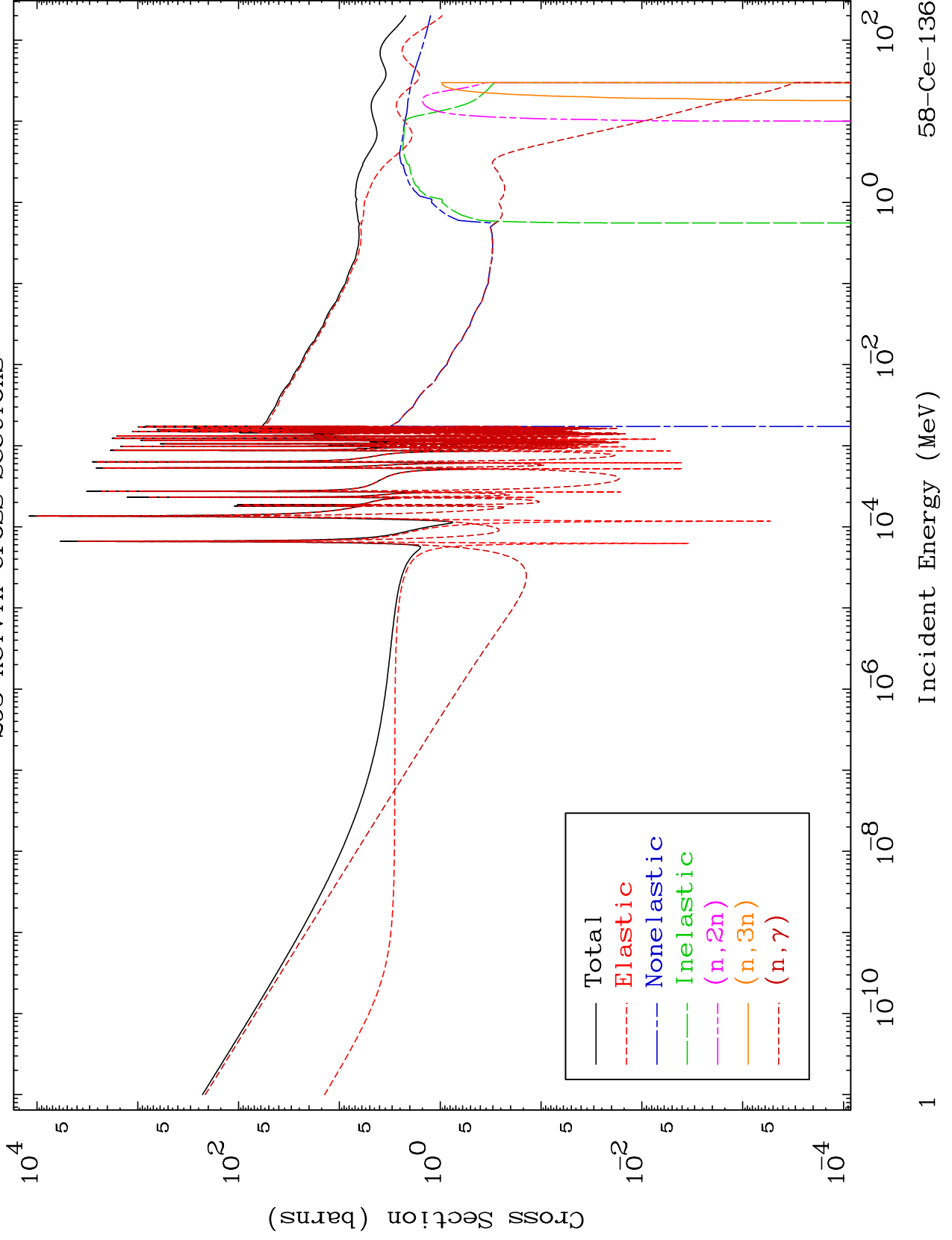
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5825

Neutron Major
293 Kelvin Cross Sections

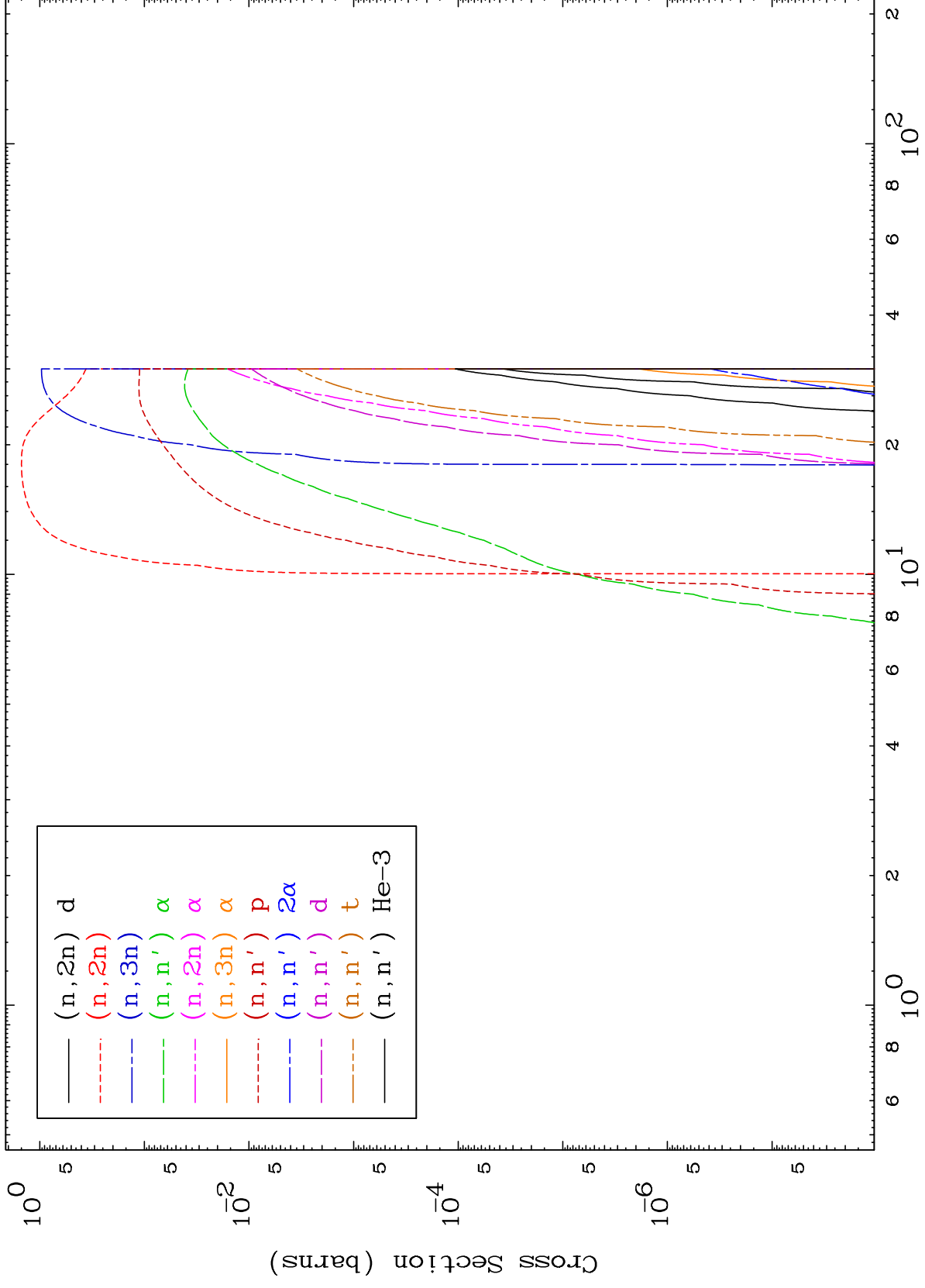
58-Ce-136



MAT 5825

Neutron Absorption
293 Kelvin Cross Sections

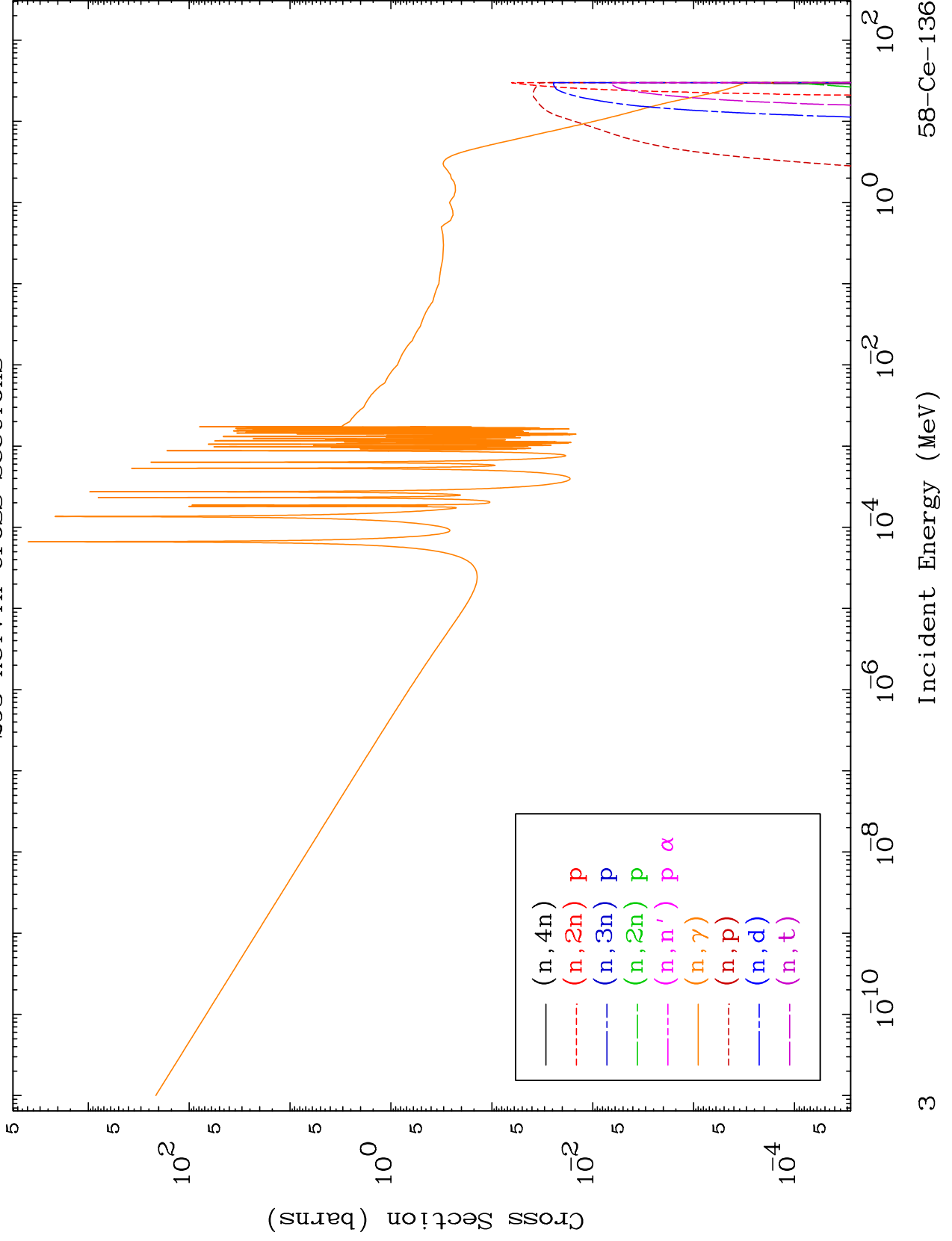
58-Ce-136



MAT 5825

Neutron Absorption
293 Kelvin Cross Sections

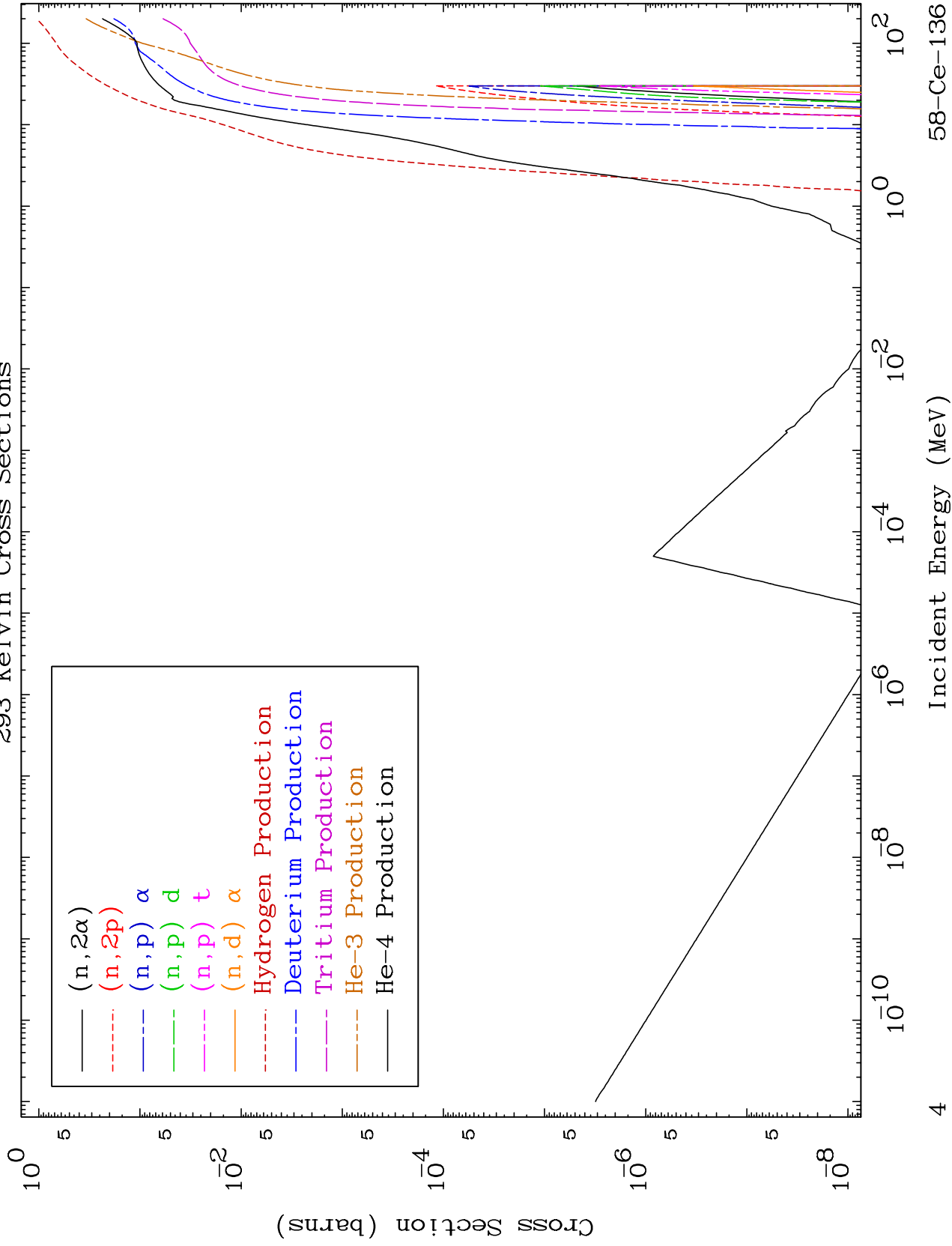
58-Ce-136



MAT 5825

Neutron Absorption
293 Kelvin Cross Sections

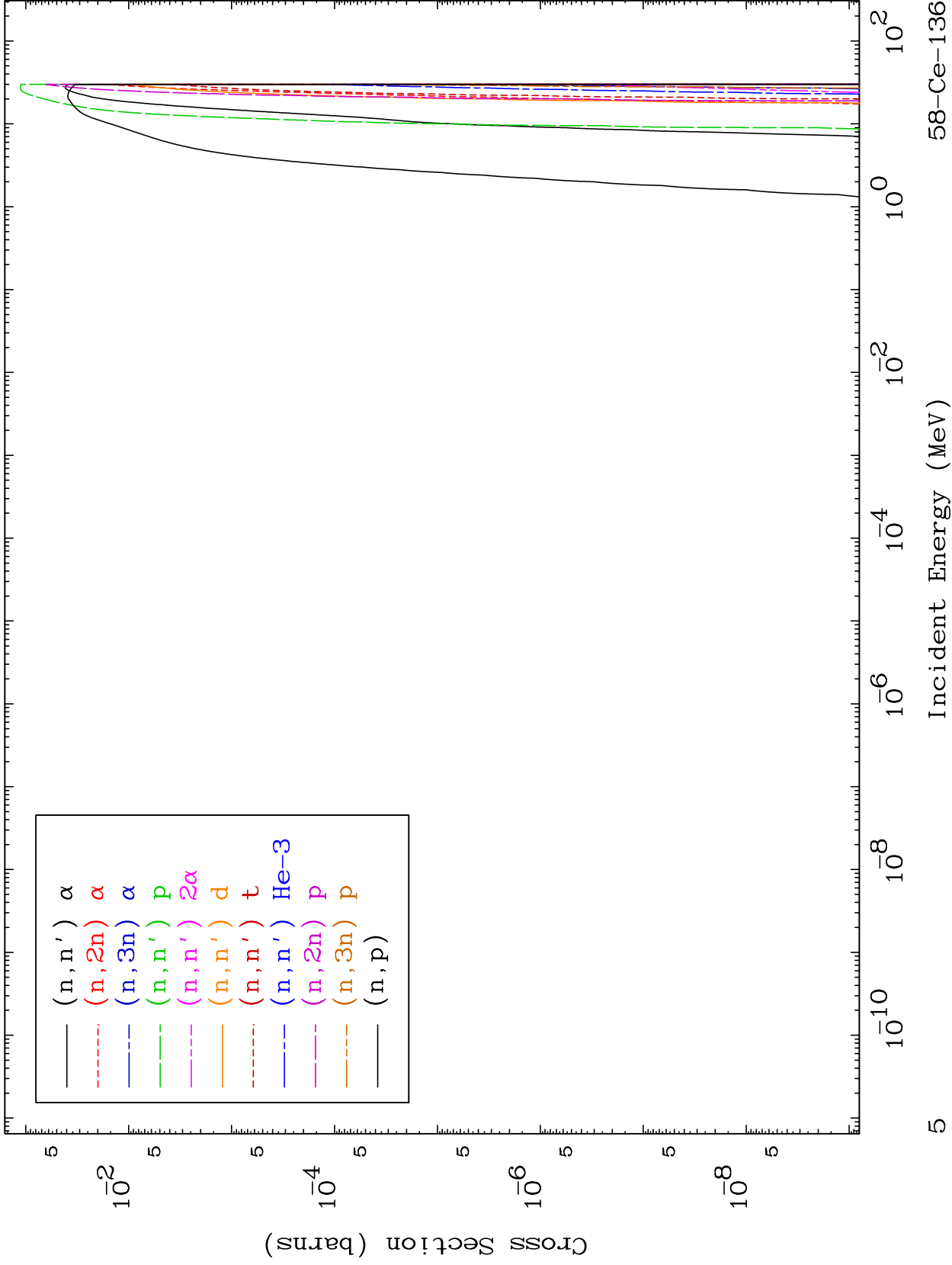
58-Ce-136



MAT 5825

Charged Particle
293 Kelvin Cross Sections

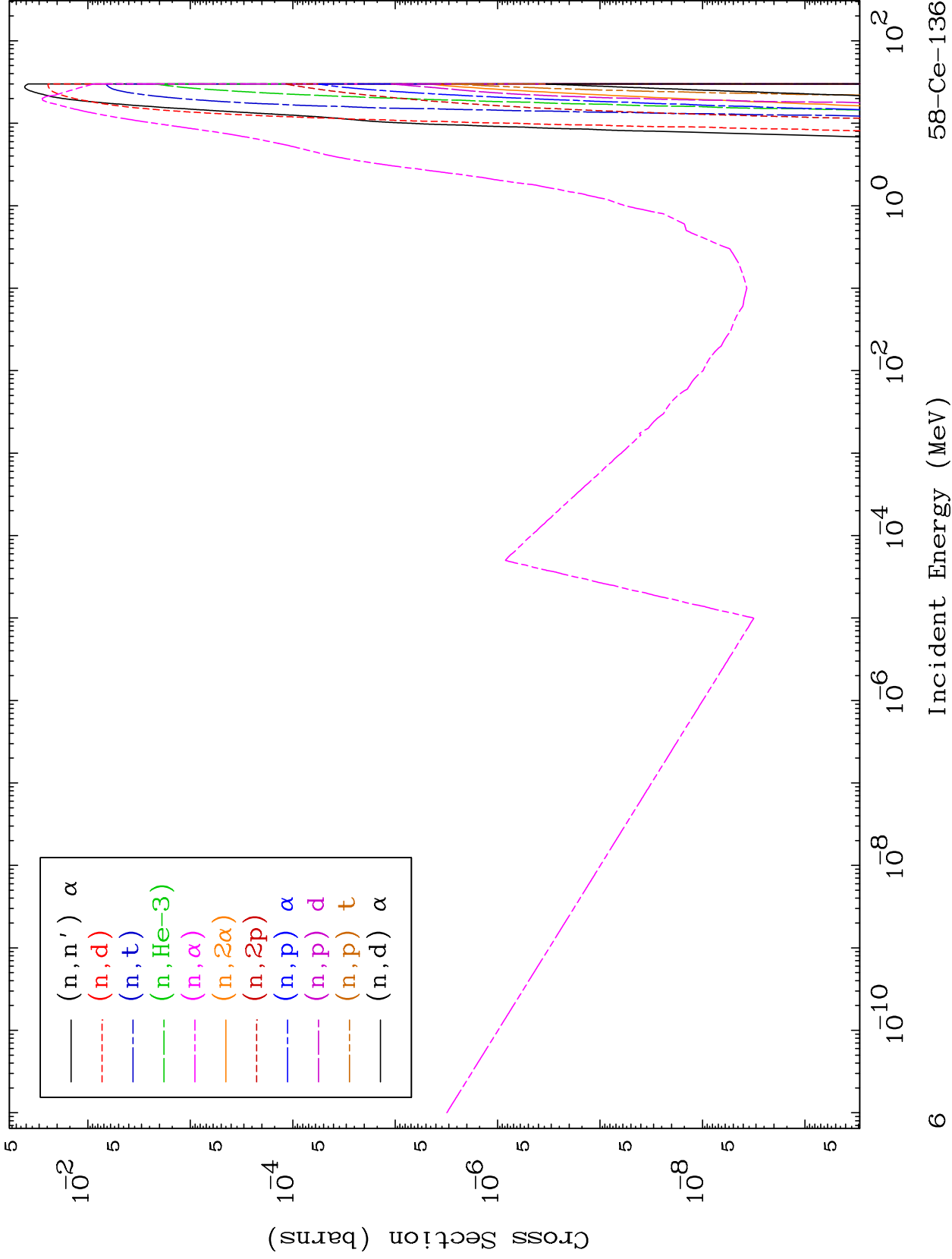
58-Ce-136



MAT 5825

Charged Particle
293 Kelvin Cross Sections

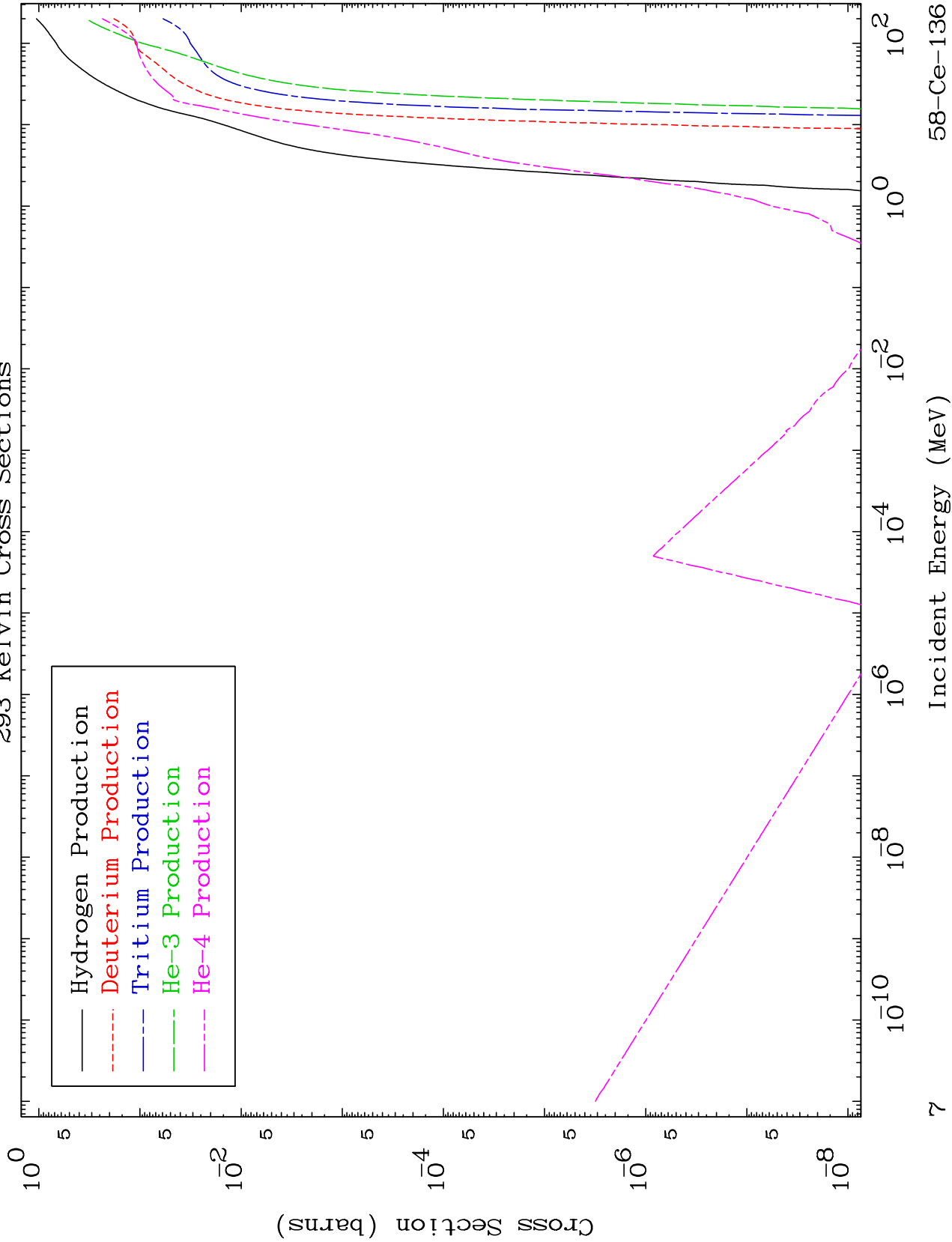
58-Ce-136



MAT 5825

Particle Production
293 Kelvin Cross Sections

58-Ce-136

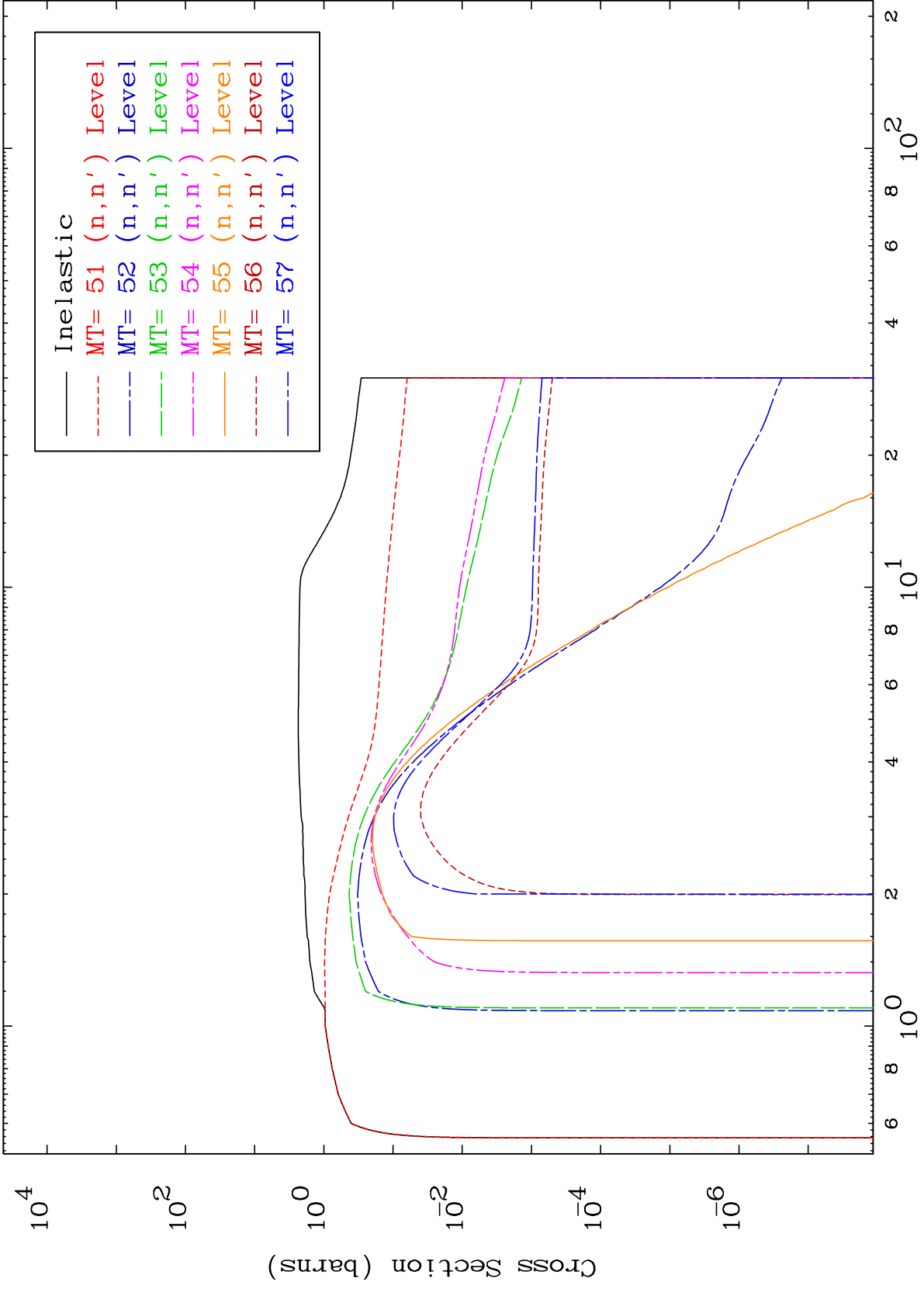


MAT 5825

(n,n') Levels

58-Ce-136

293 Kelvin Cross Sections



8

Incident Energy (MeV)

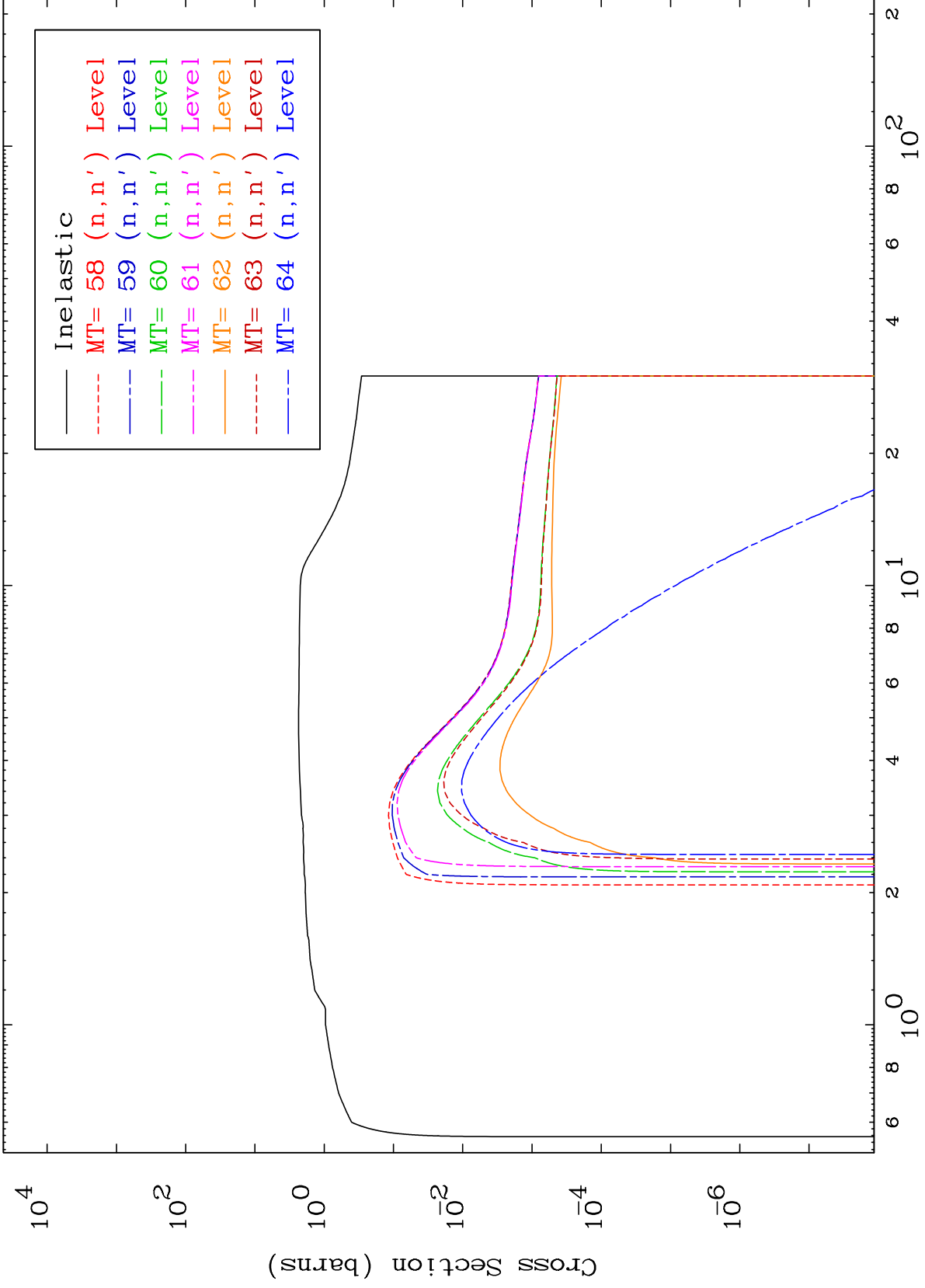
58-Ce-136

MAT 5825

(n,n') Levels

58-Ce-136

293 Kelvin Cross Sections



9

Incident Energy (MeV)

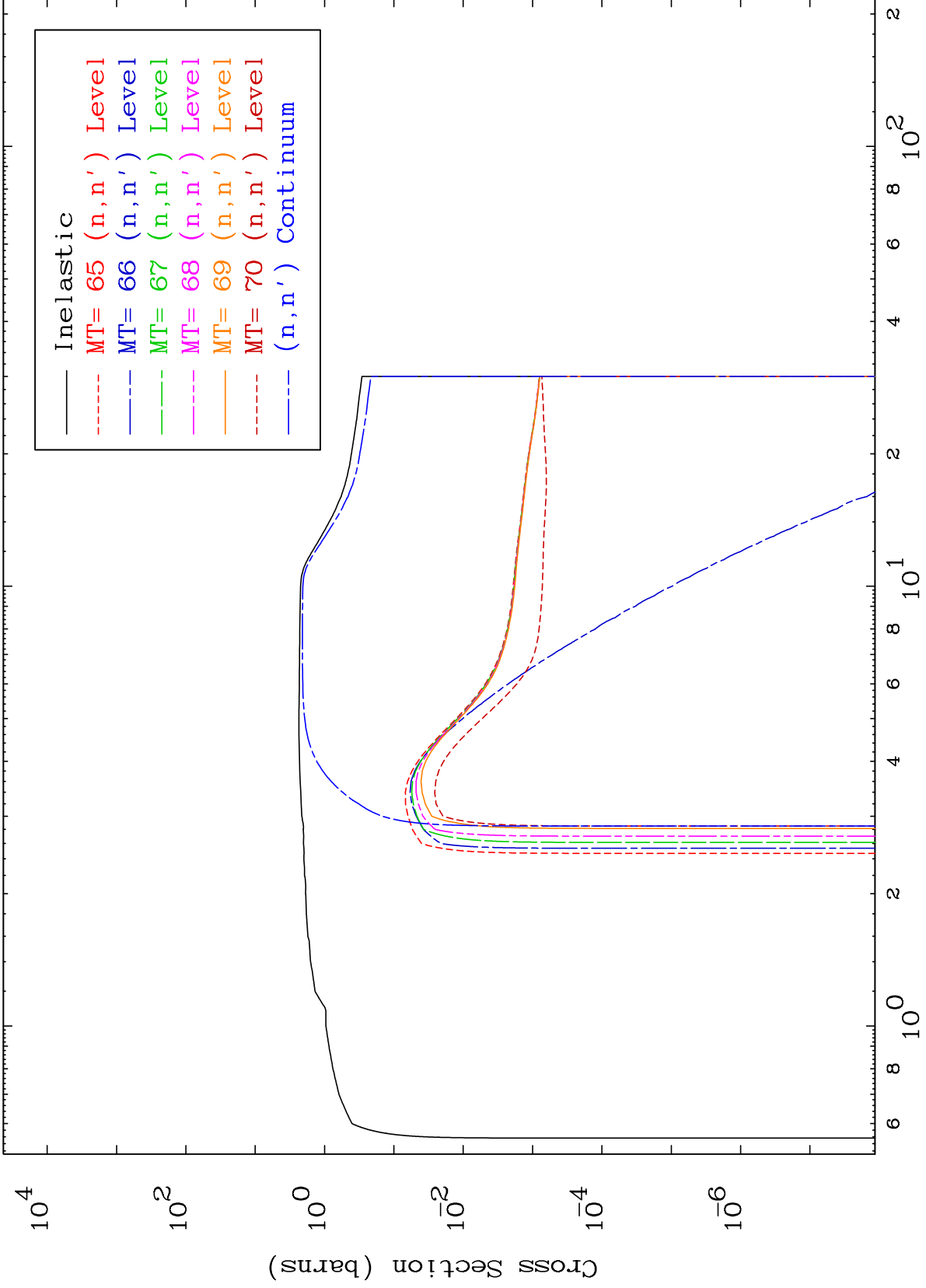
58-Ce-136

MAT 5825

(n,n') Levels

58-Ce-136

293 Kelvin Cross Sections



10

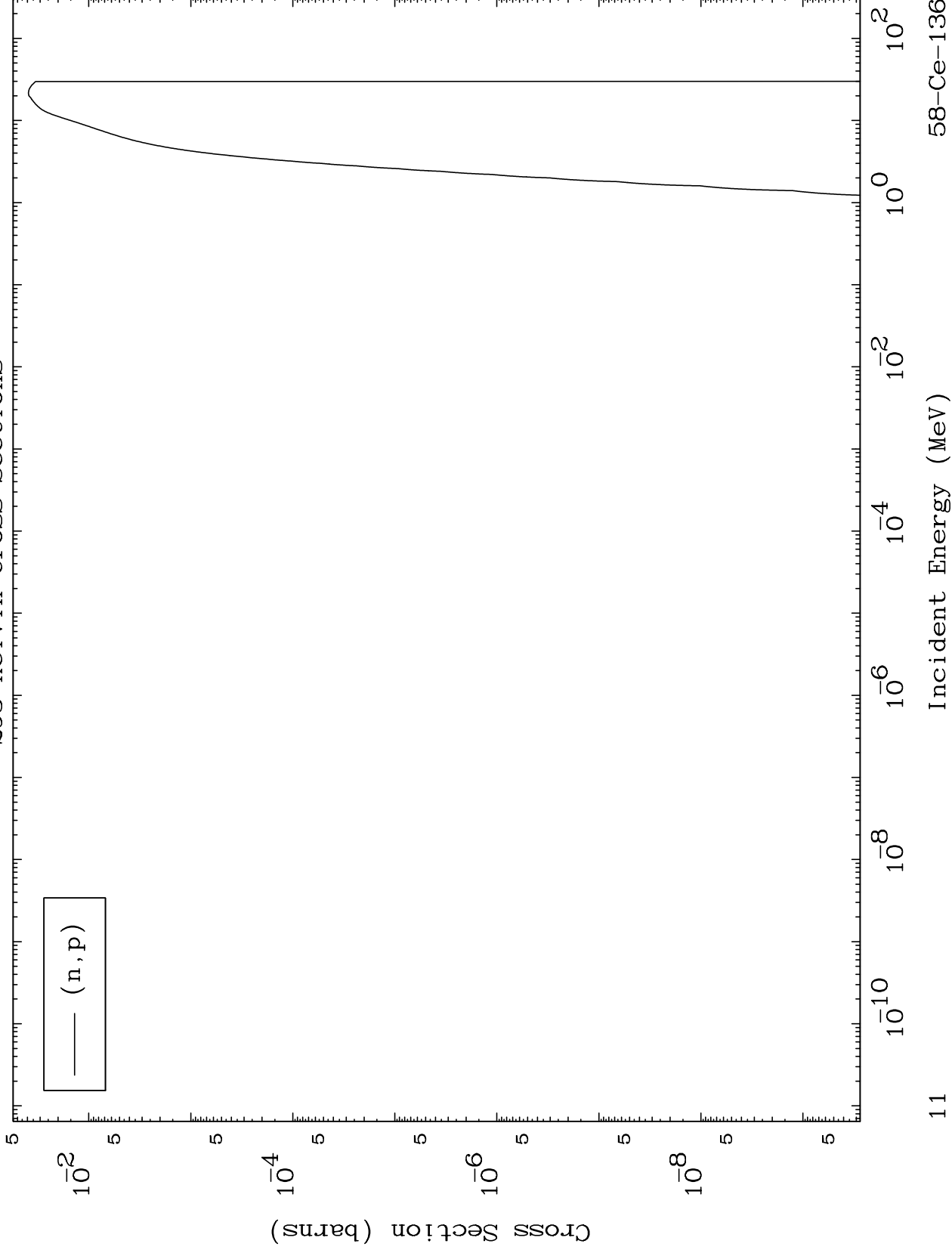
Incident Energy (MeV)

58-Ce-136

MAT 5825

(n,p) Levels
293 Kelvin Cross Sections

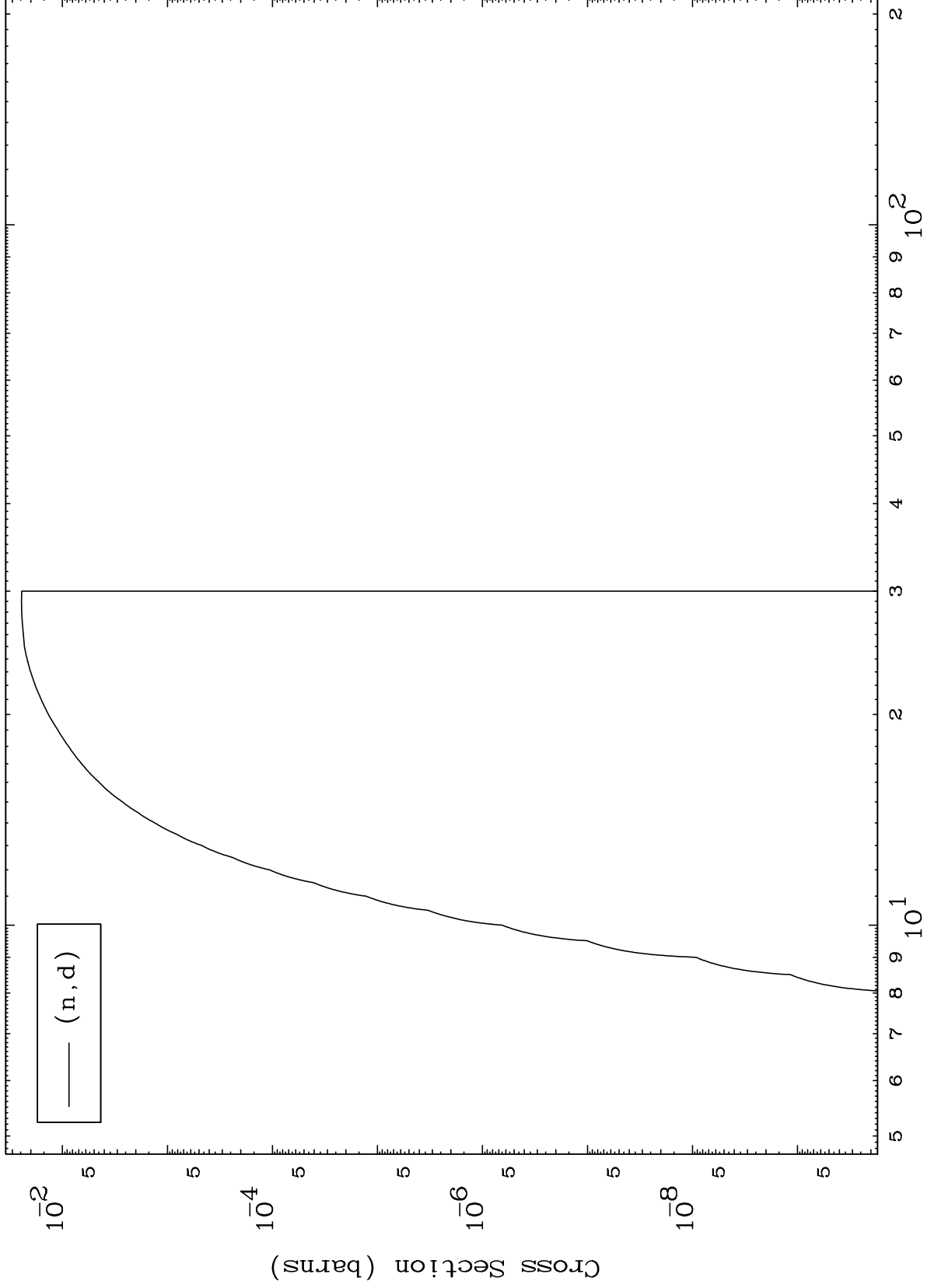
58-Ce-136



MAT 5825

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-136



12

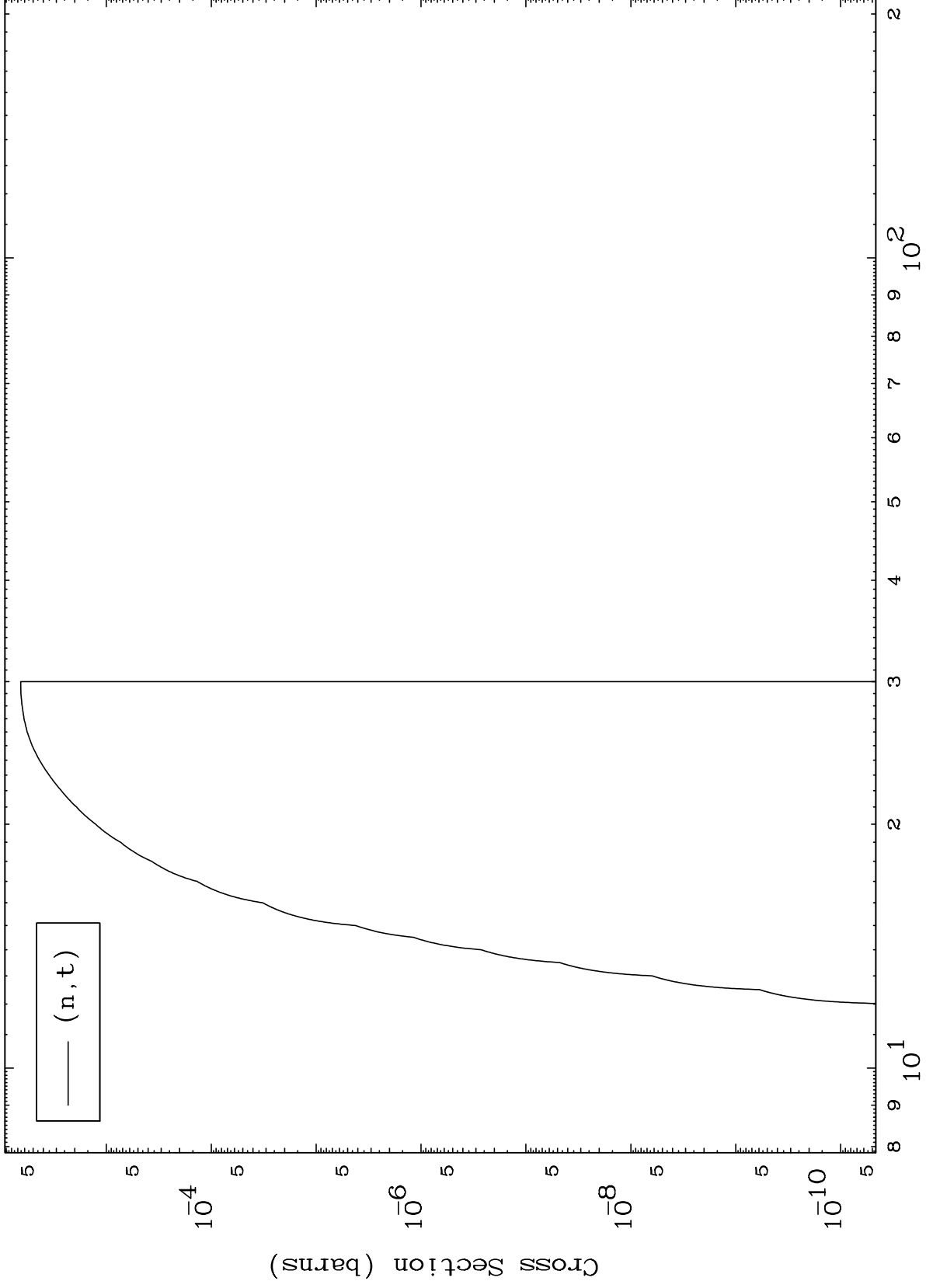
Incident Energy (MeV)

58-Ce-136

MAT 5825

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-136



13

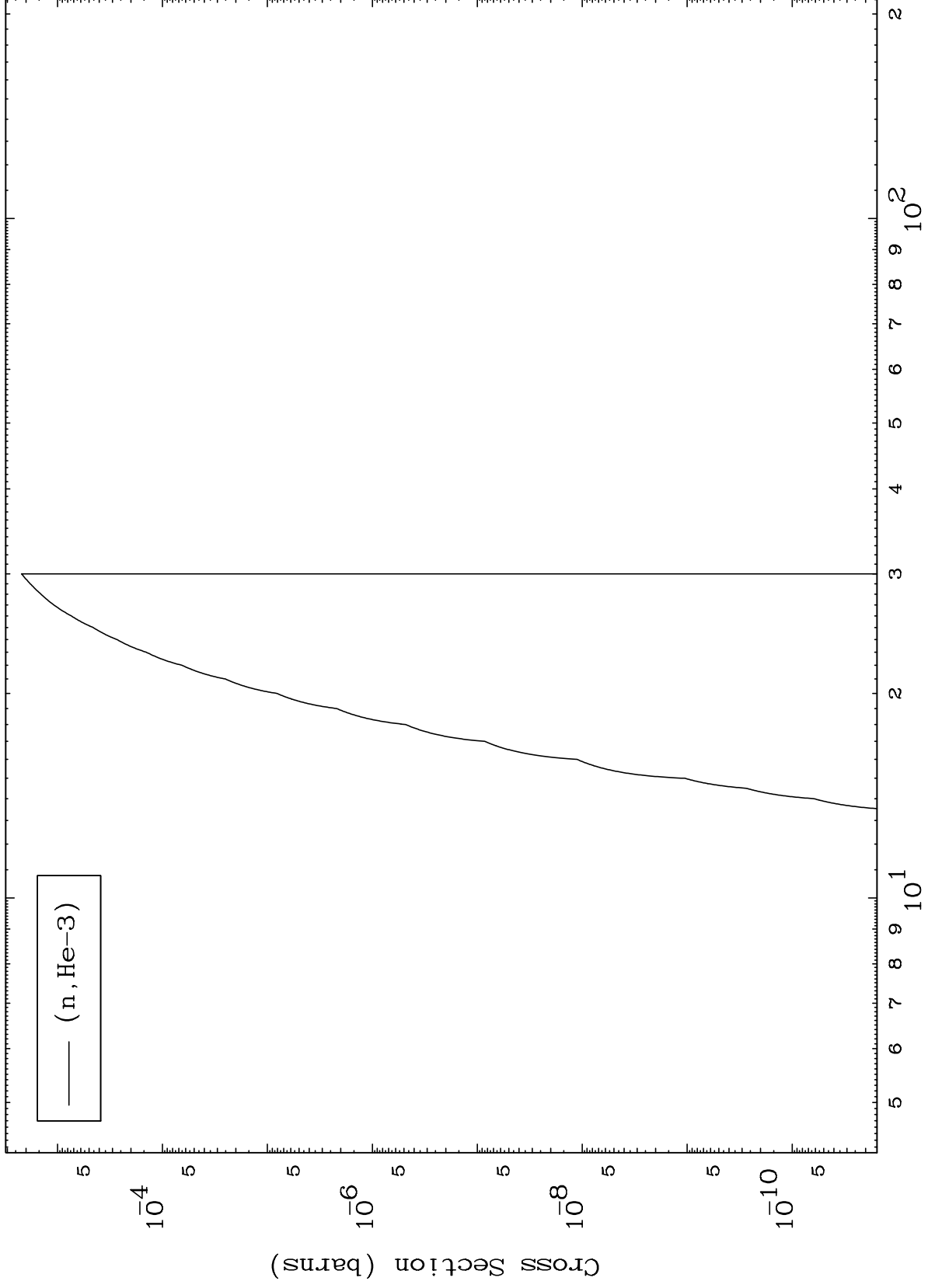
Incident Energy (MeV)

58-Ce-136

MAT 5825

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-136



14

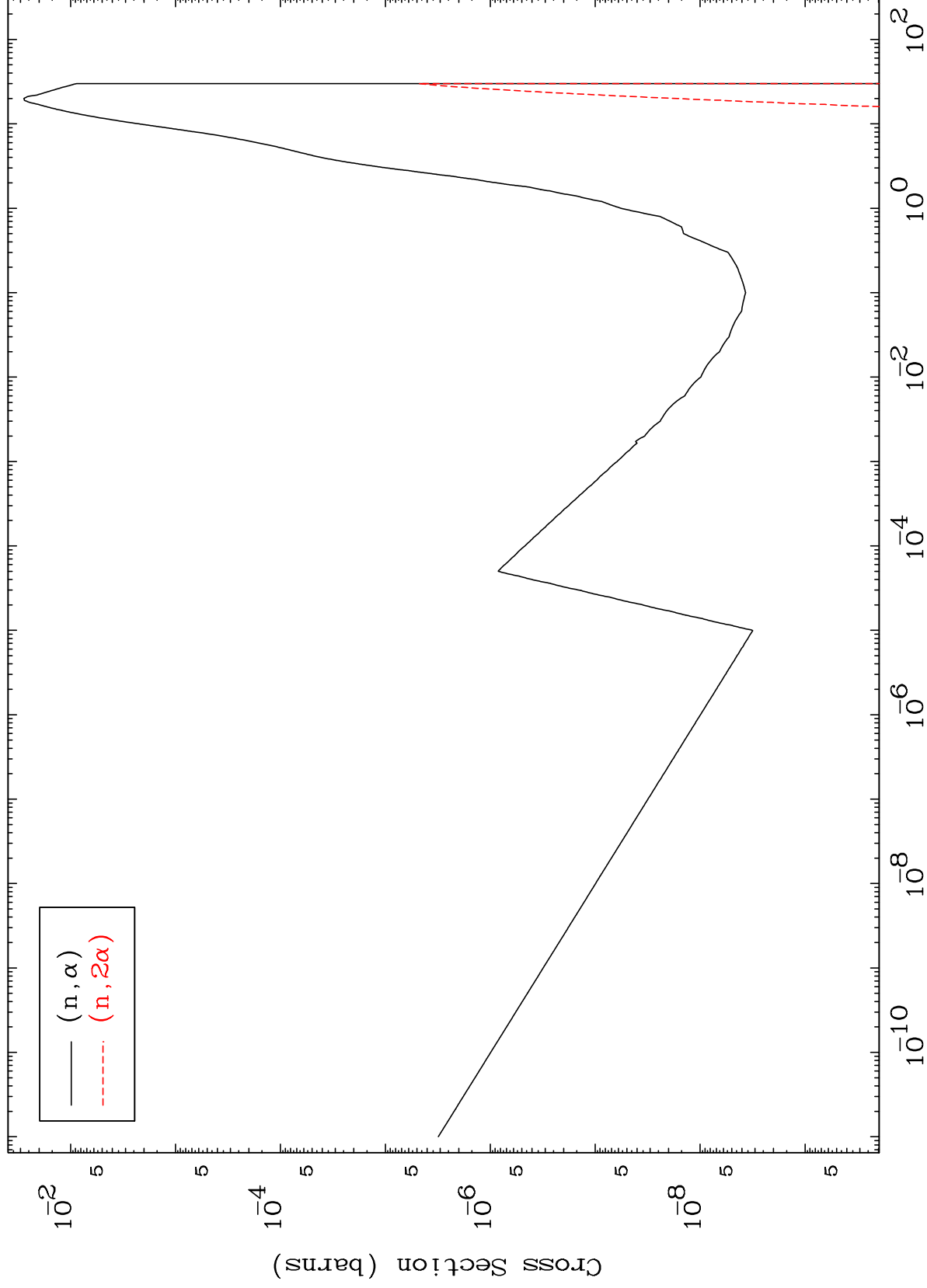
Incident Energy (MeV)

58-Ce-136

MAT 5825

(n, α) Levels
293 Kelvin Cross Sections

58-Ce-136



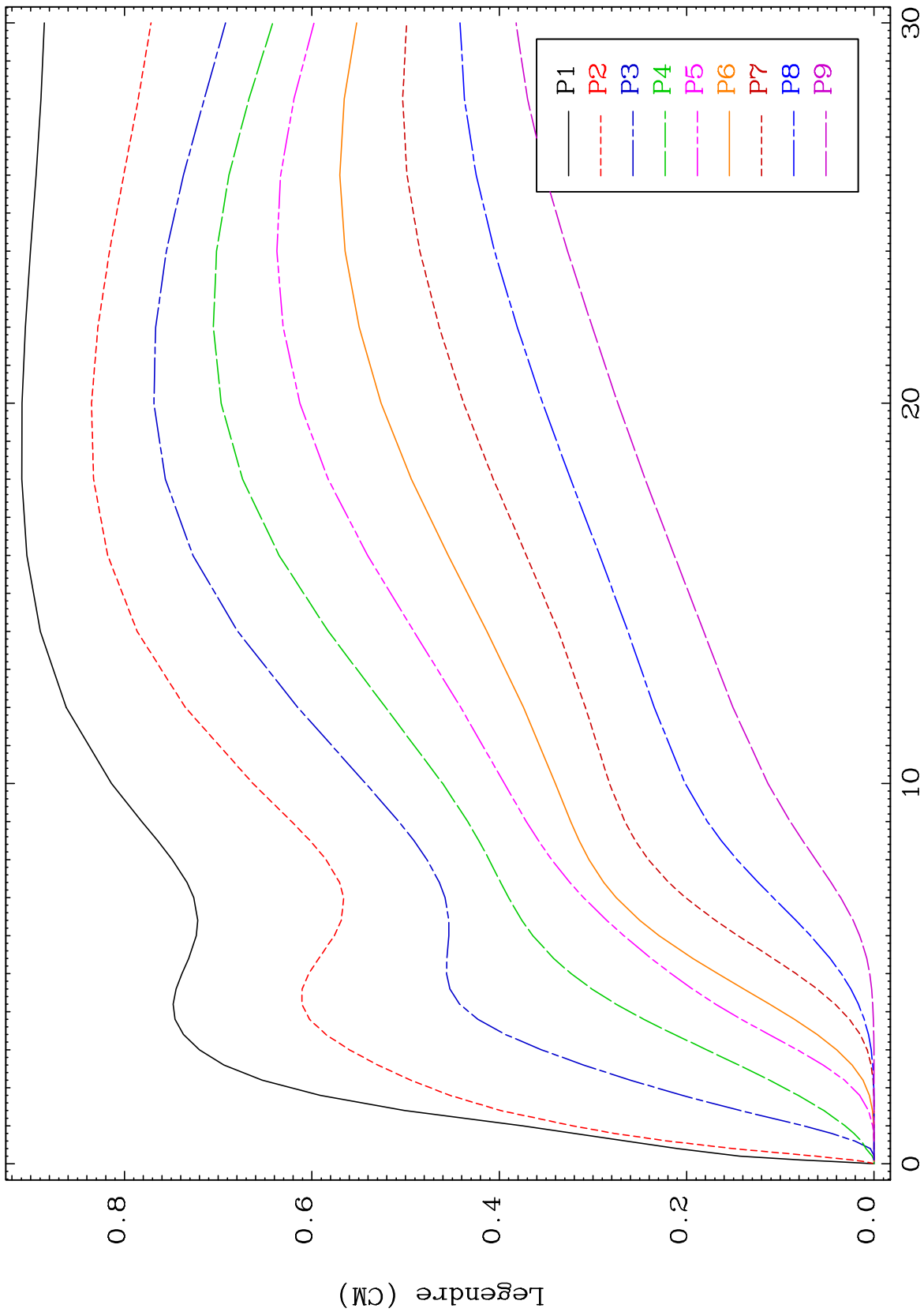
15

58-Ce-136

MAT 5825

Elastic Legendre Coefficients

58-Ce-136



16

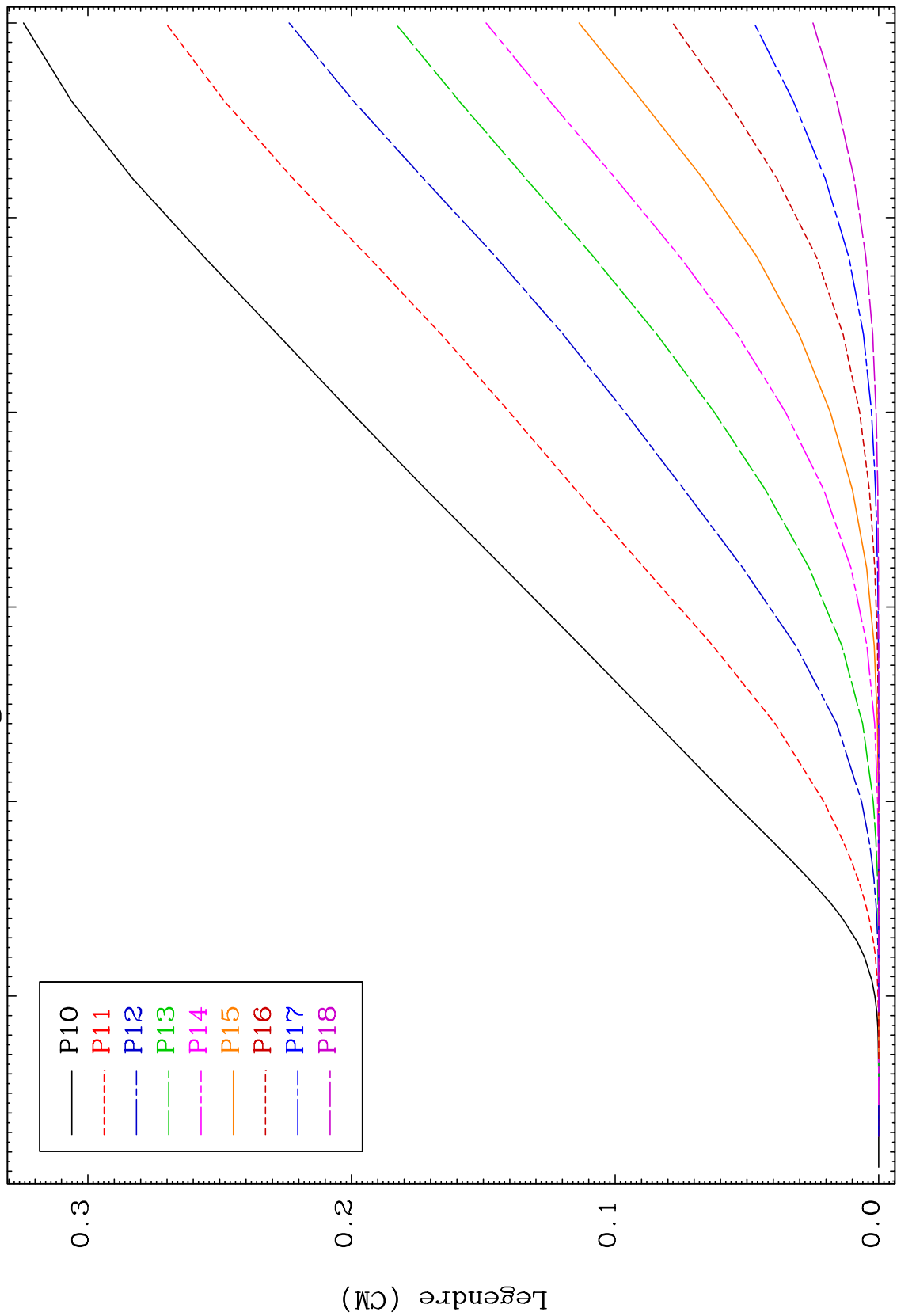
Incident Energy (MeV)

58-Ce-136

MAT 5825

Elastic Legendre Coefficients

58-Ce-136



17

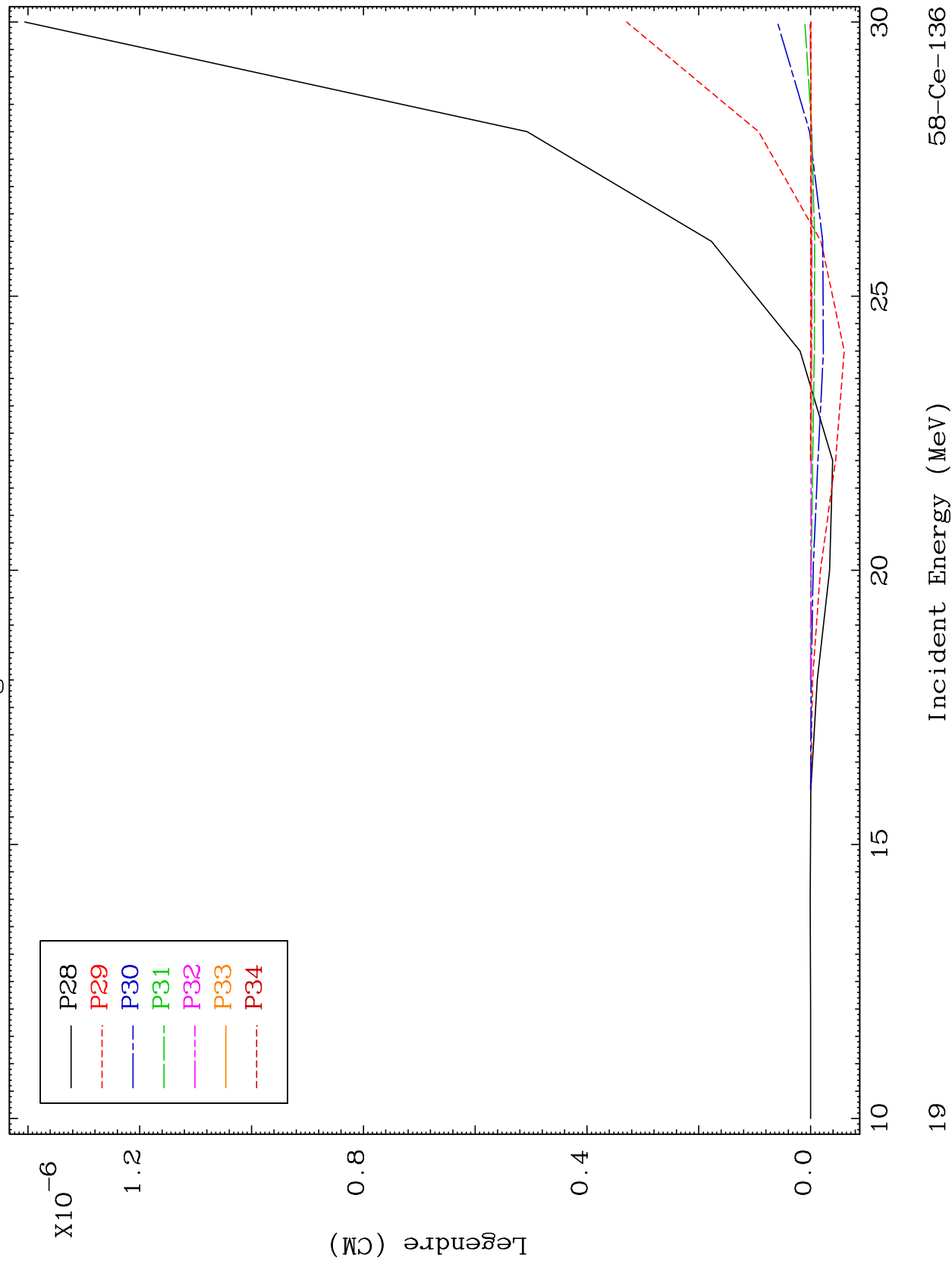
Incident Energy (MeV)

58-Ce-136

MAT 5825

Elastic Legendre Coefficients

58-Ce-136



19

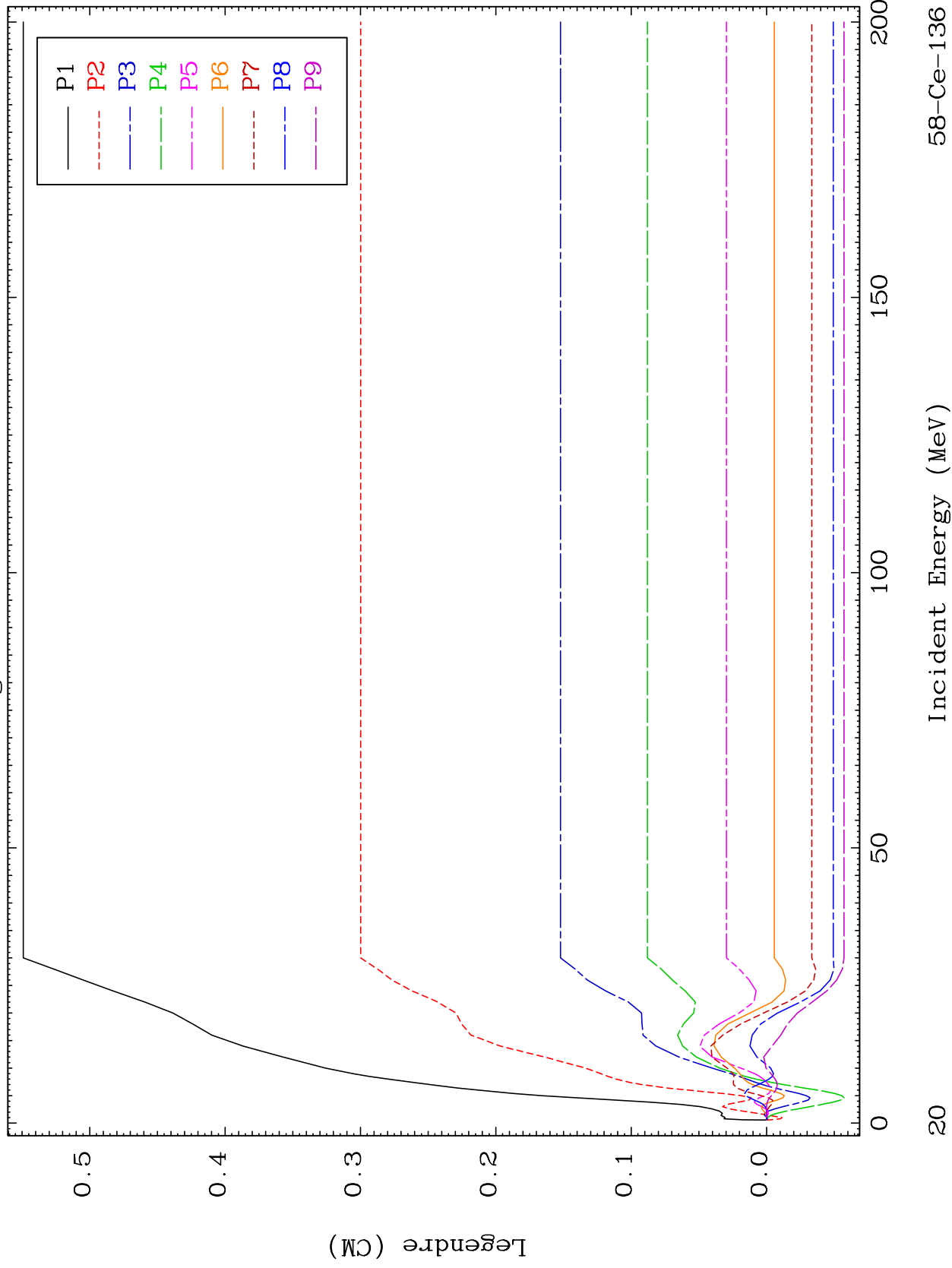
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



58-Ce-136

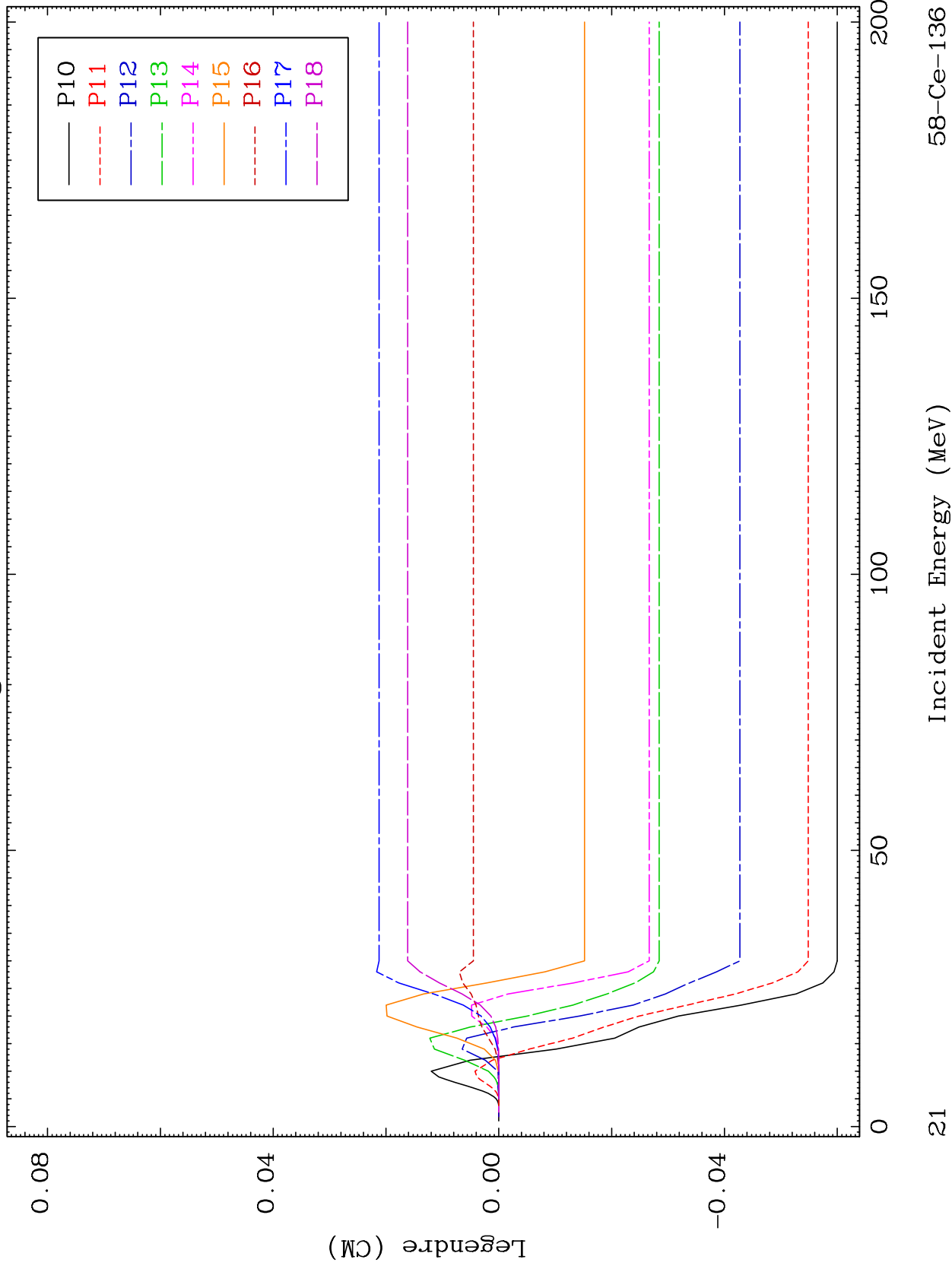
Incident Energy (MeV)

20

MAT 5825

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

58-Ce-136



21

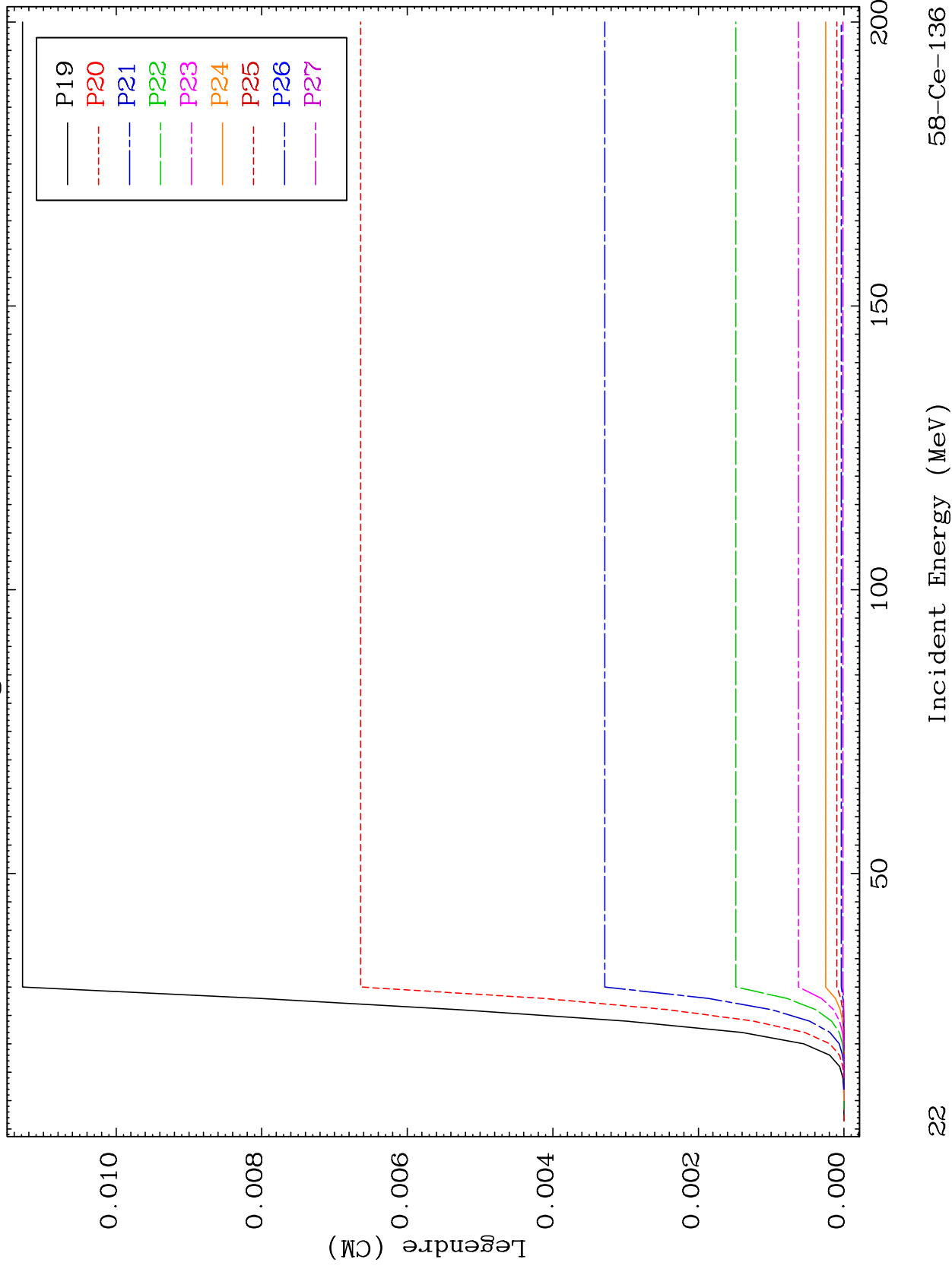
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

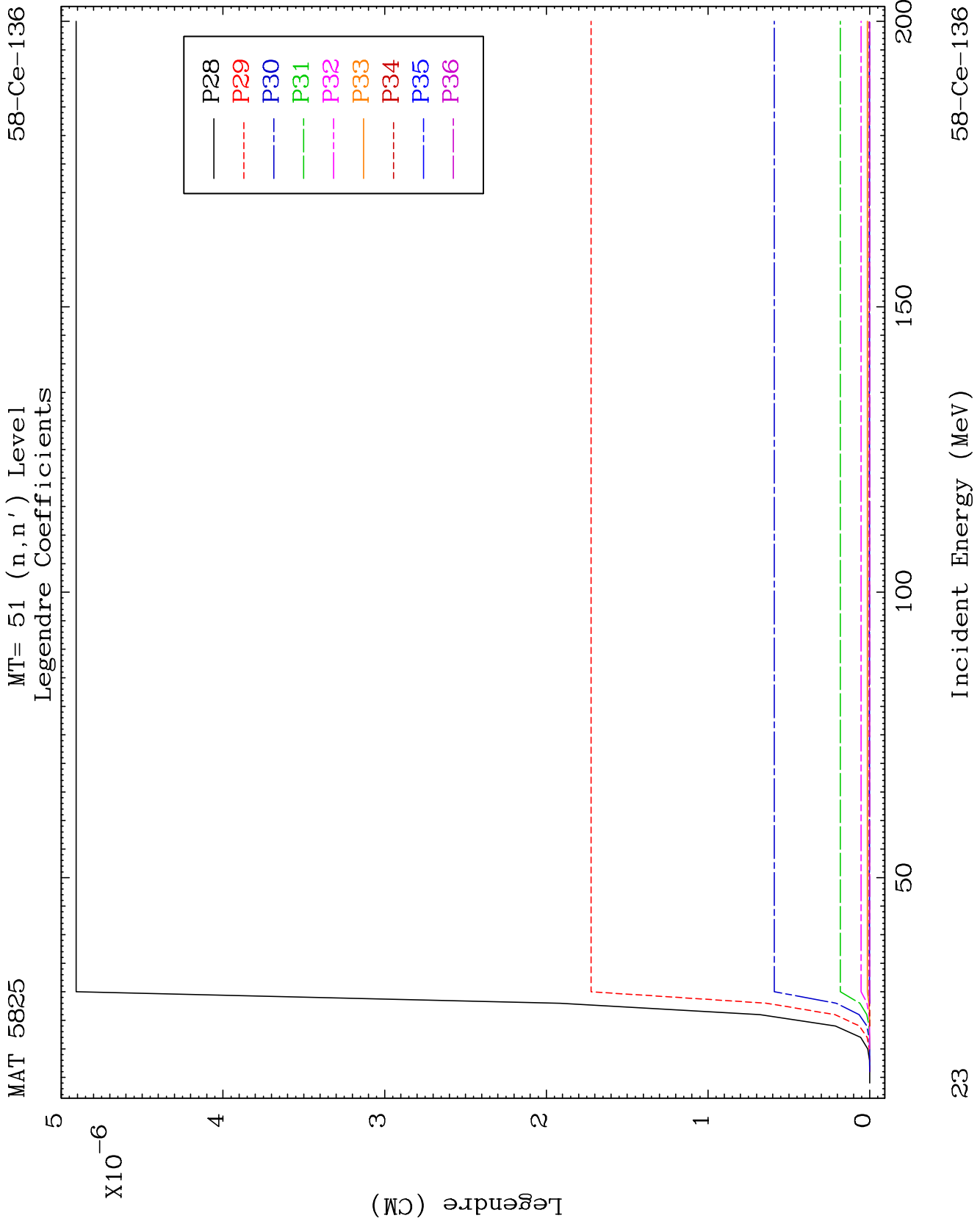
58-Ce-136



22

Incident Energy (MeV)

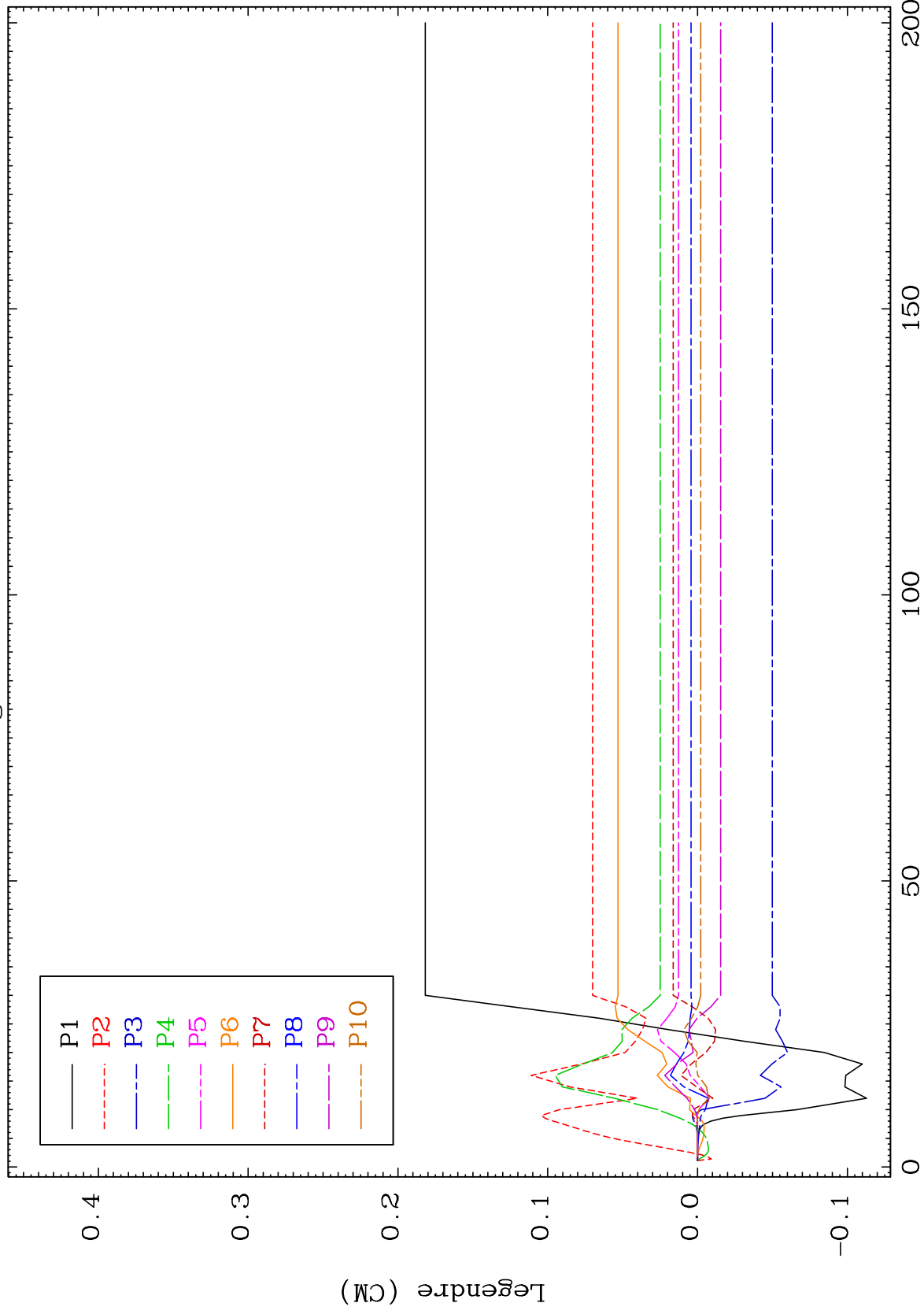
58-Ce-136



MAT 5825

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

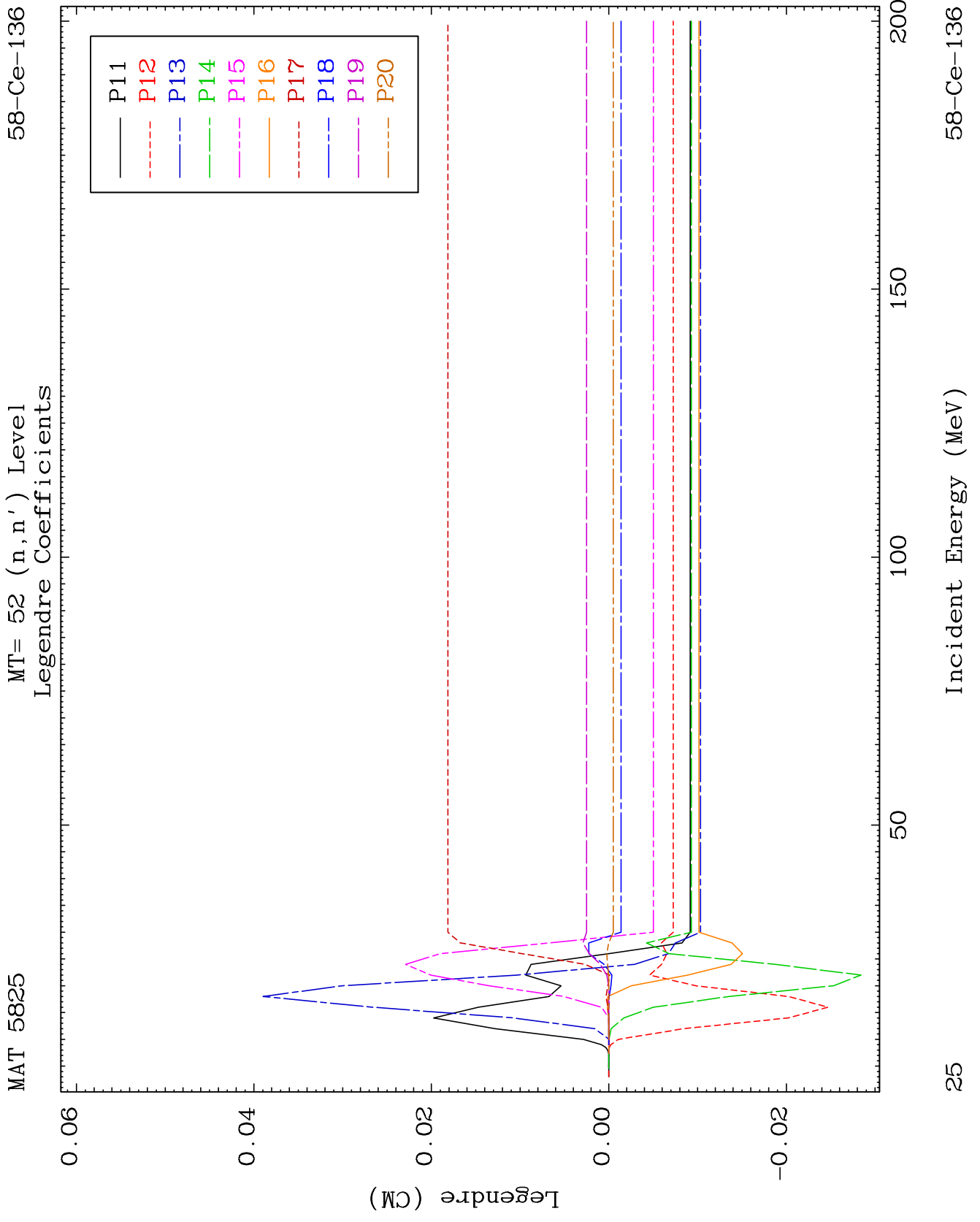
58-Ce-136



24

Incident Energy (MeV)

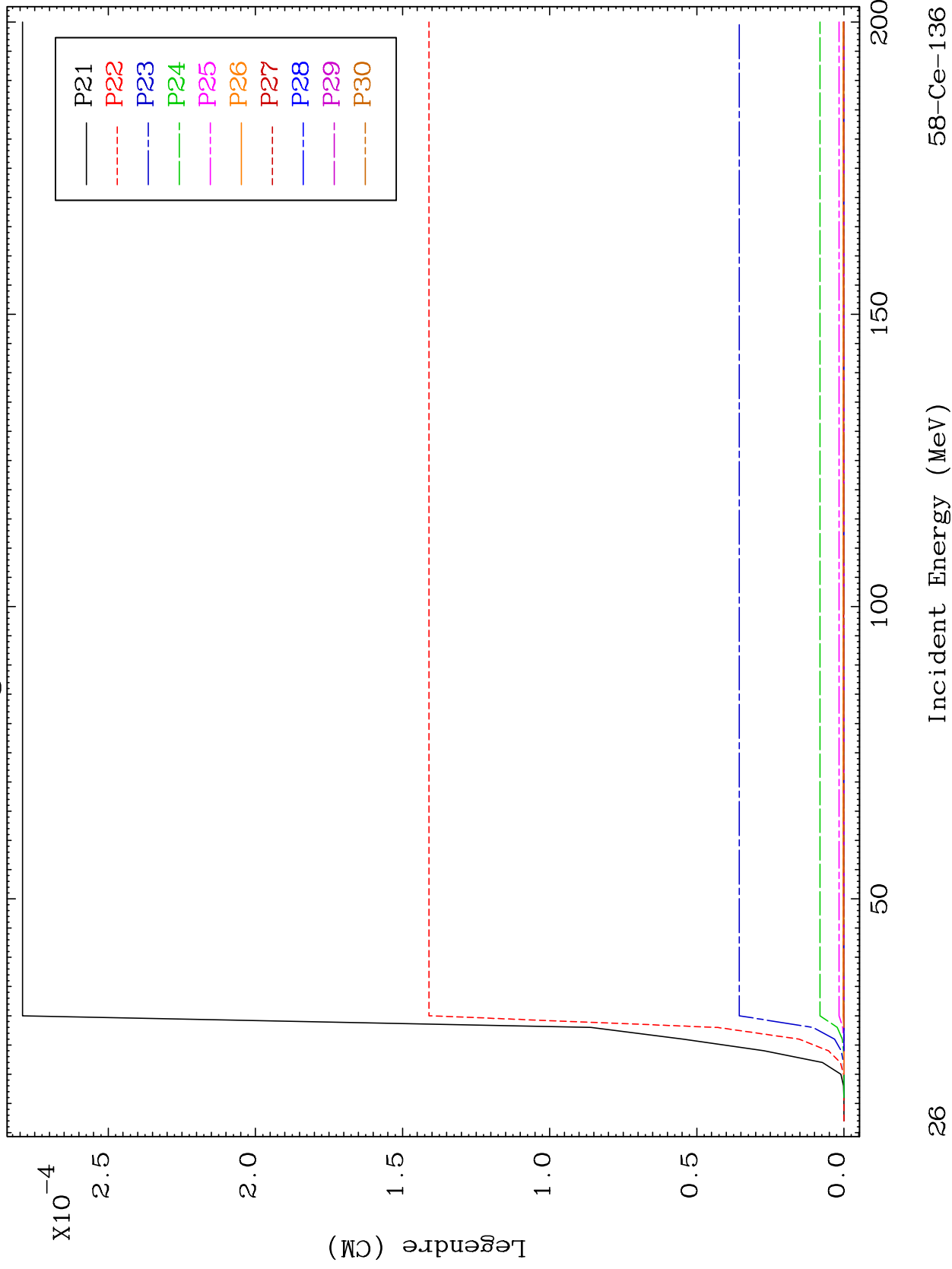
58-Ce-136



MAT 5825

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

58-Ce-136



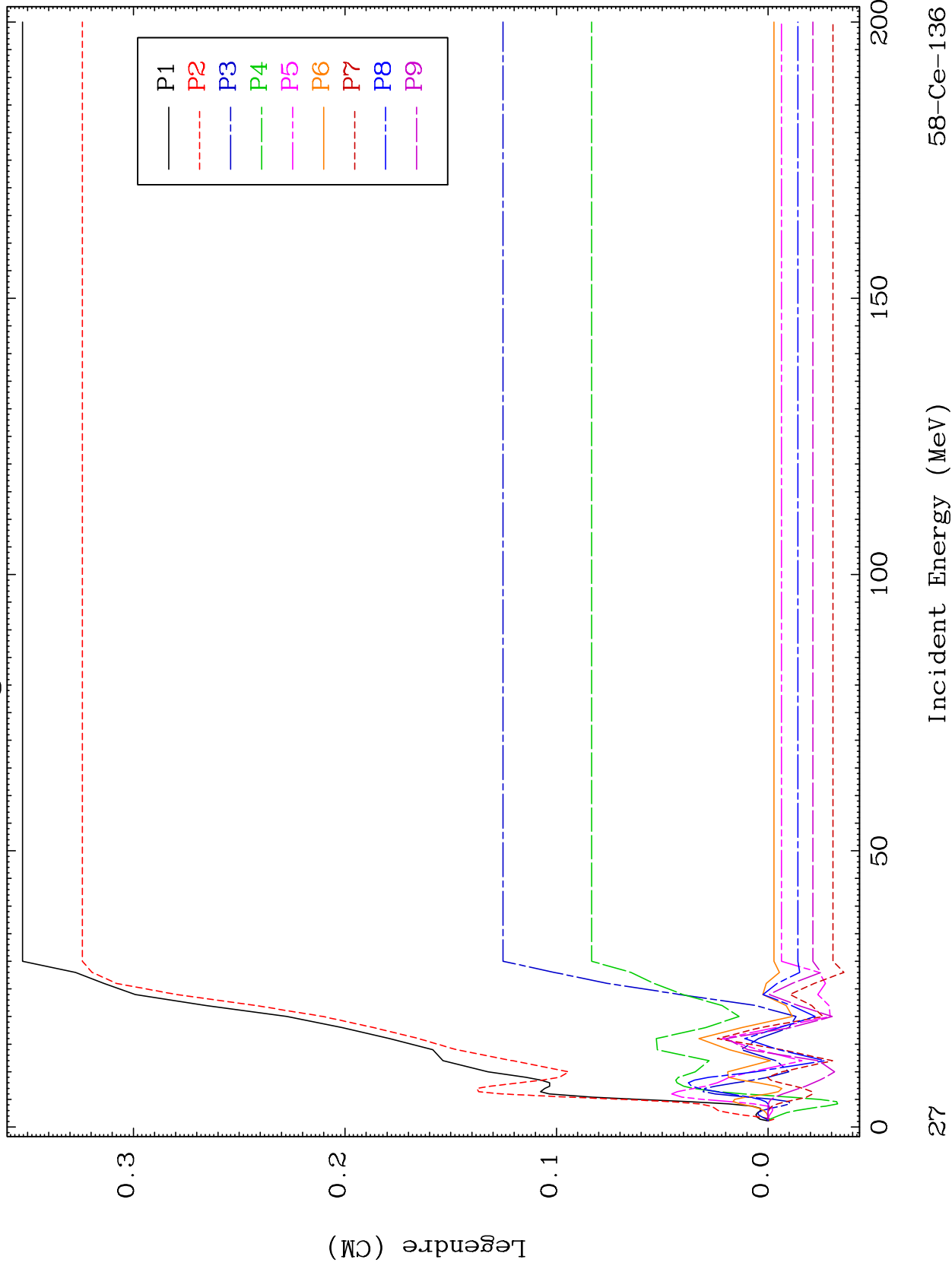
26

58-Ce-136

MAT 5825

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

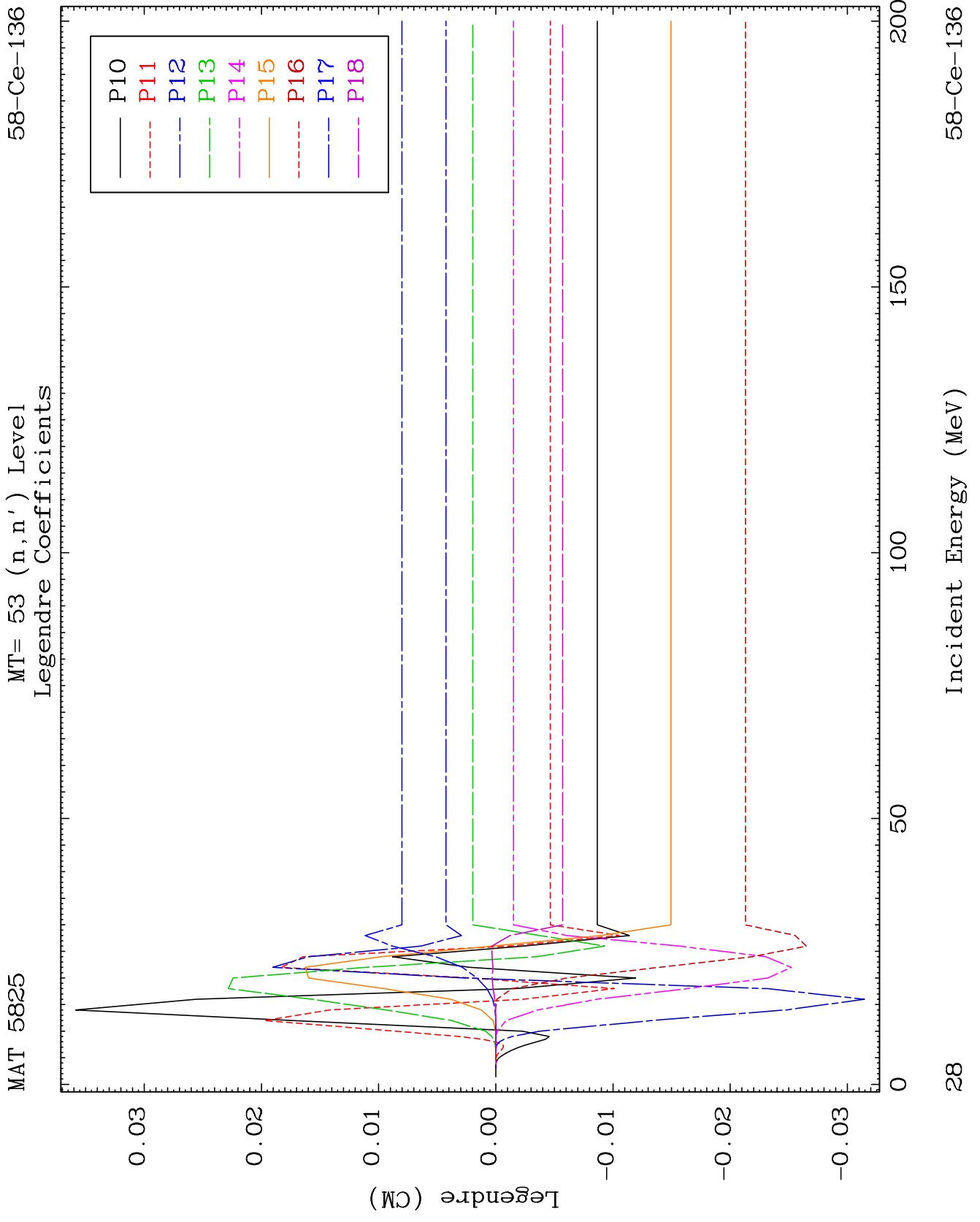
58-Ce-136



58-Ce-136

Incident Energy (MeV)

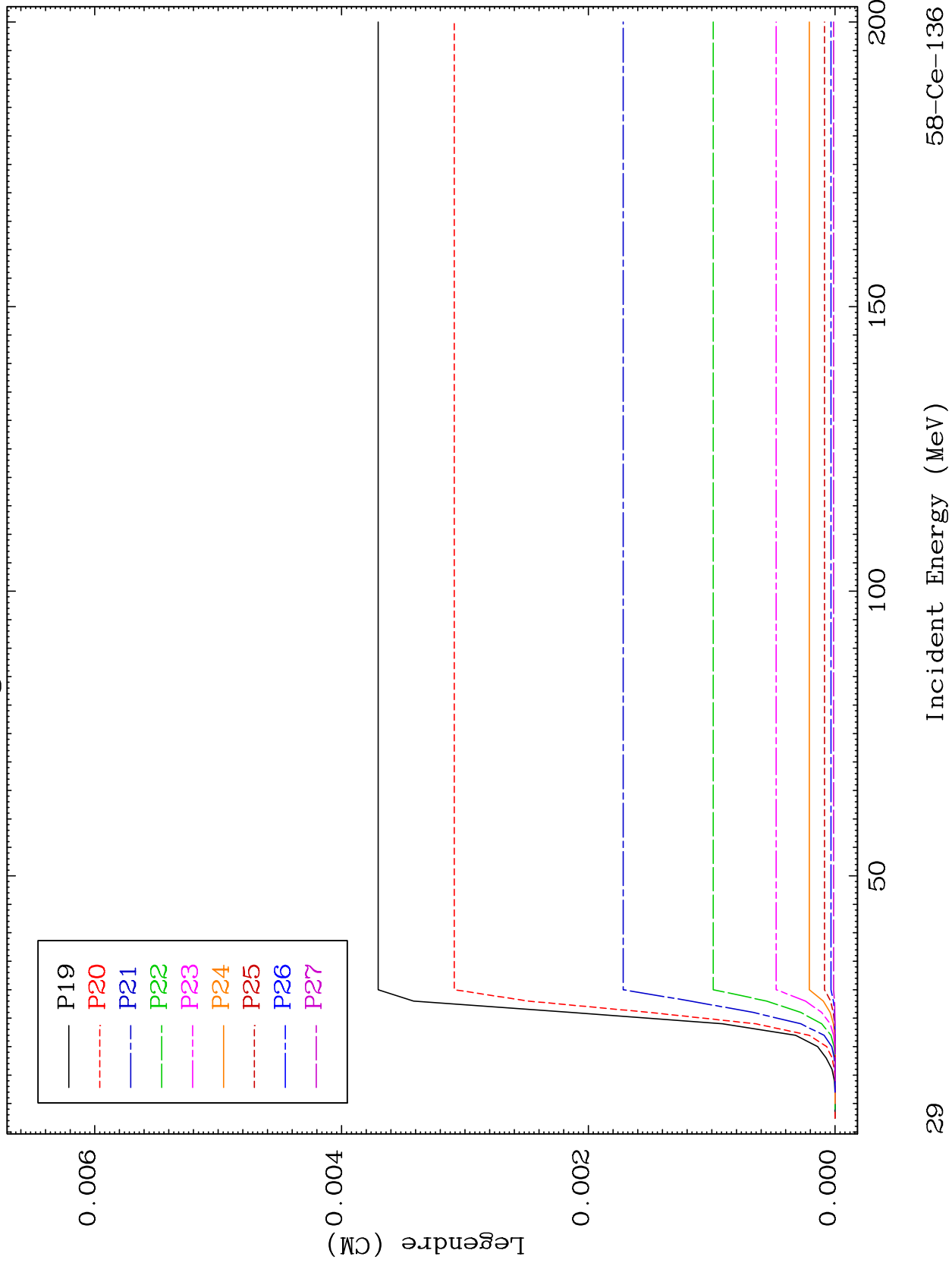
27



MAT 5825

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

58-Ce-136



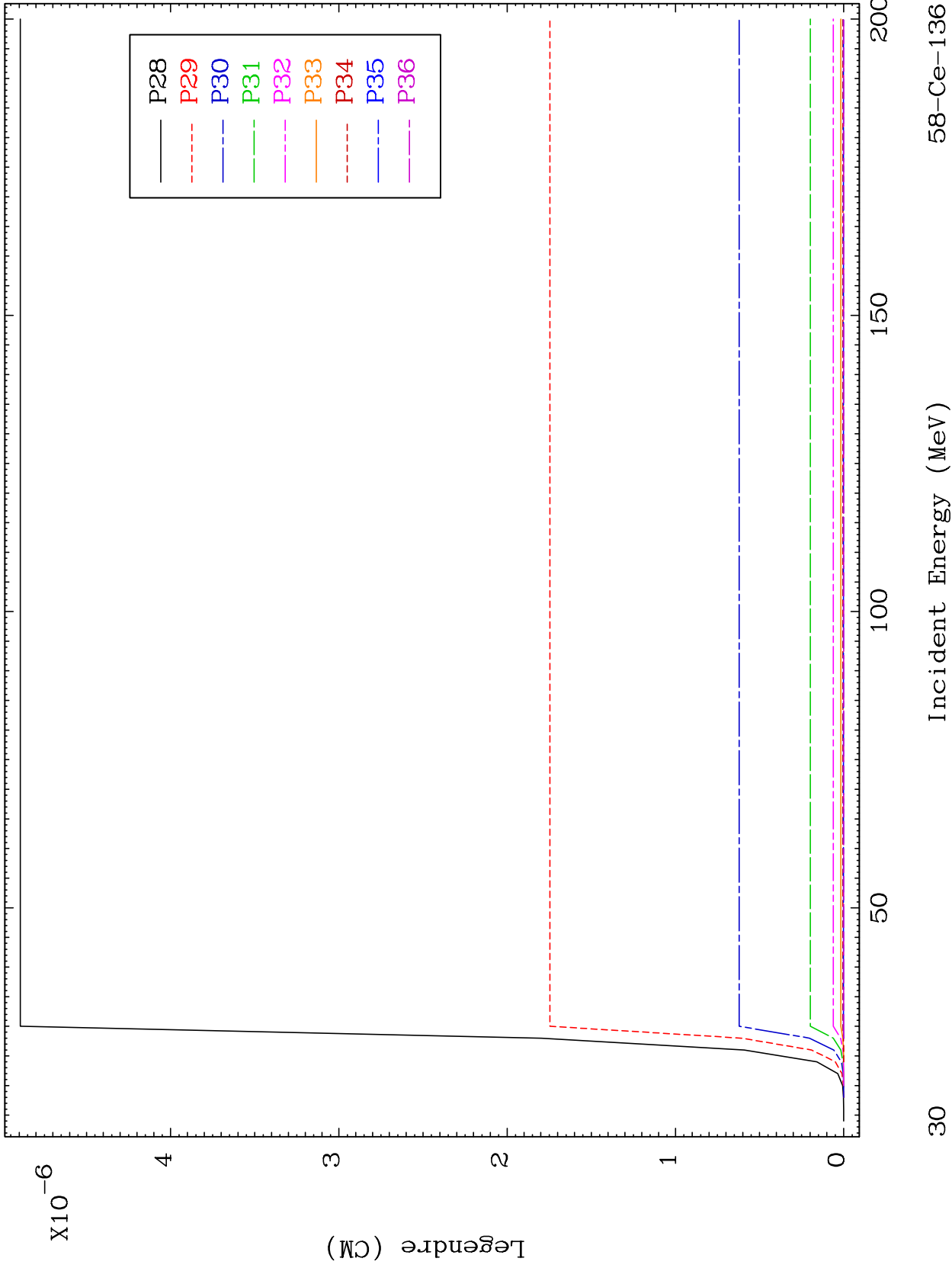
29

58-Ce-136

MAT 5825

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

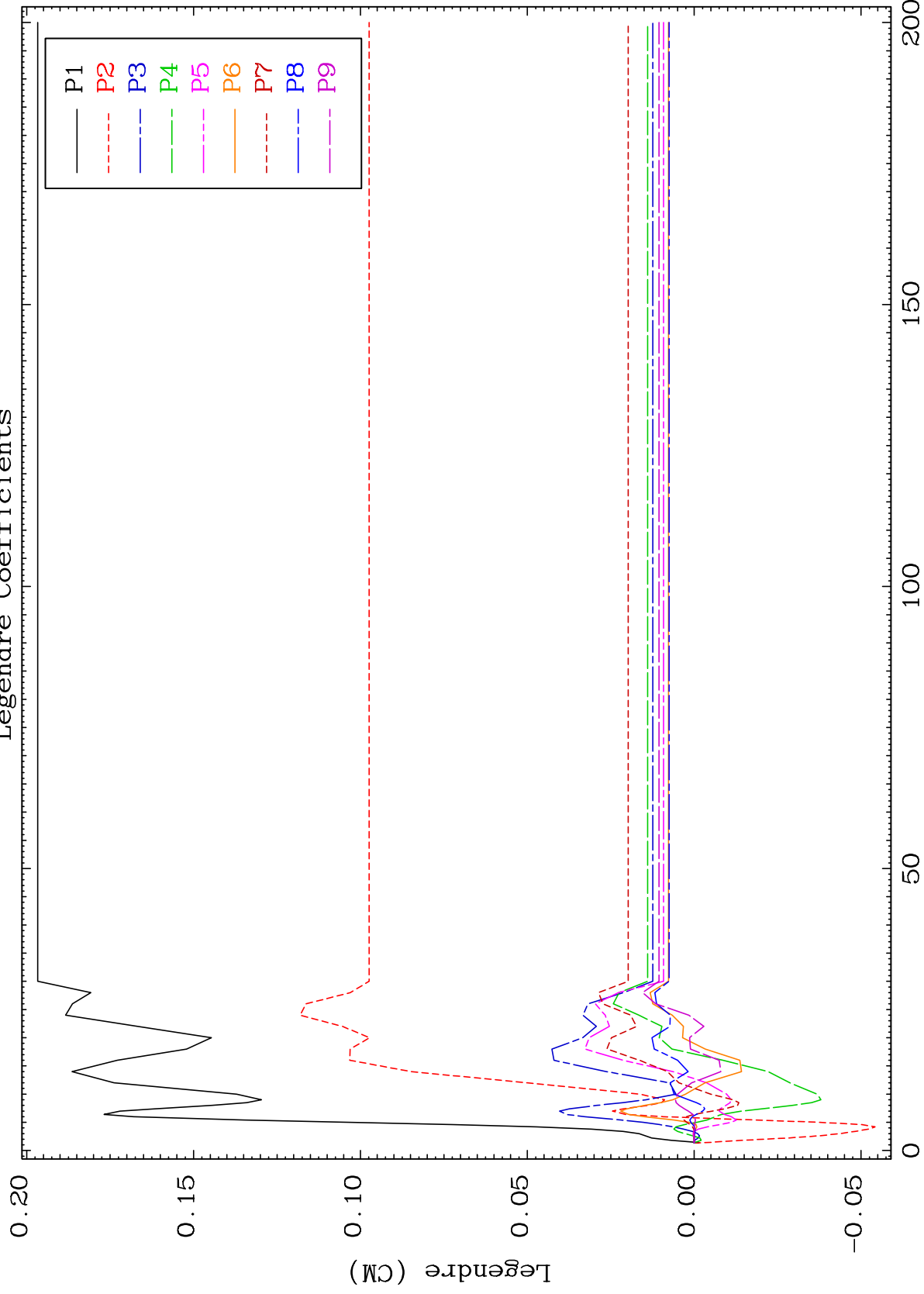
58-Ce-136



MAT 5825

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

58-Ce-136



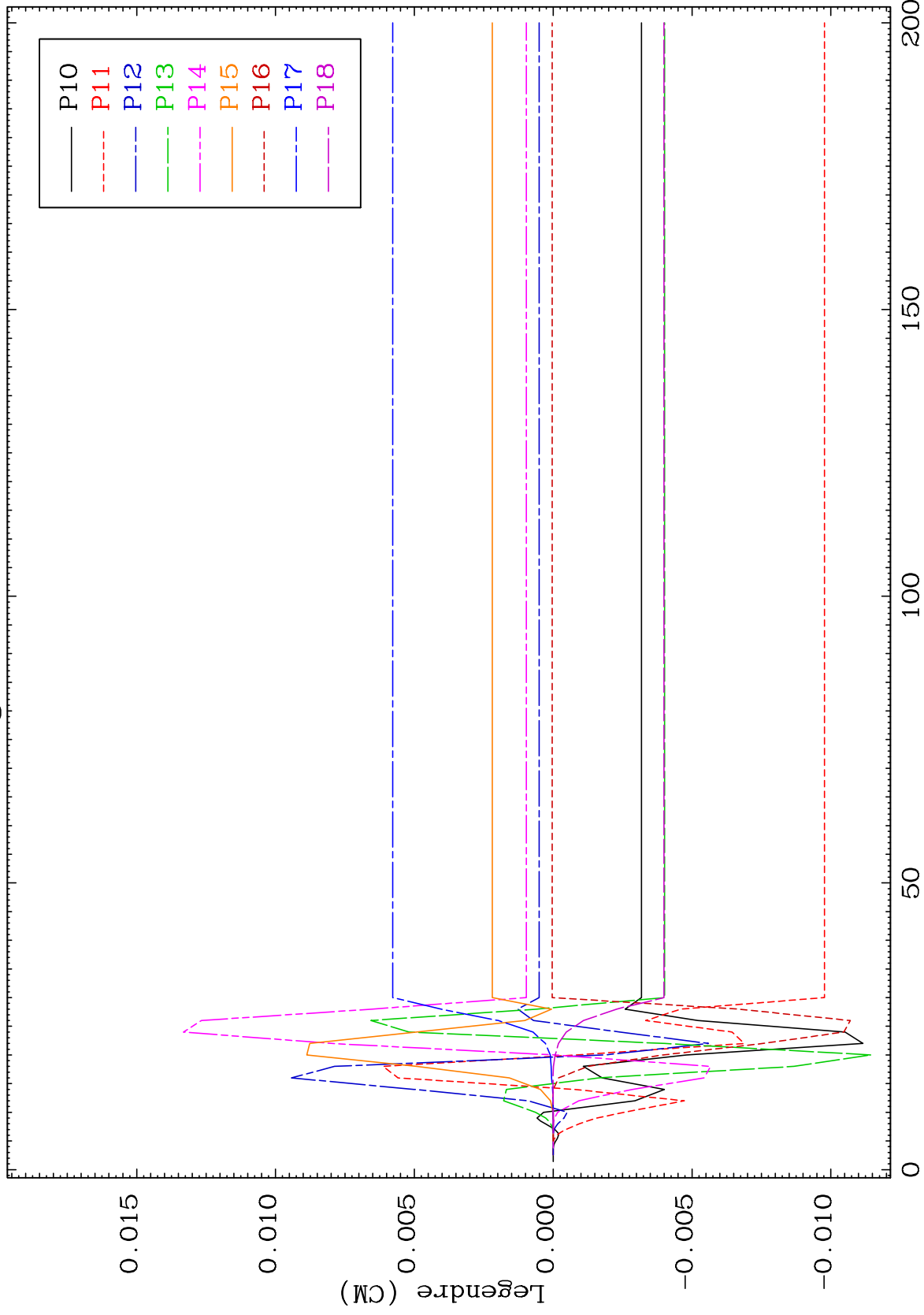
31

58-Ce-136

MAT 5825

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

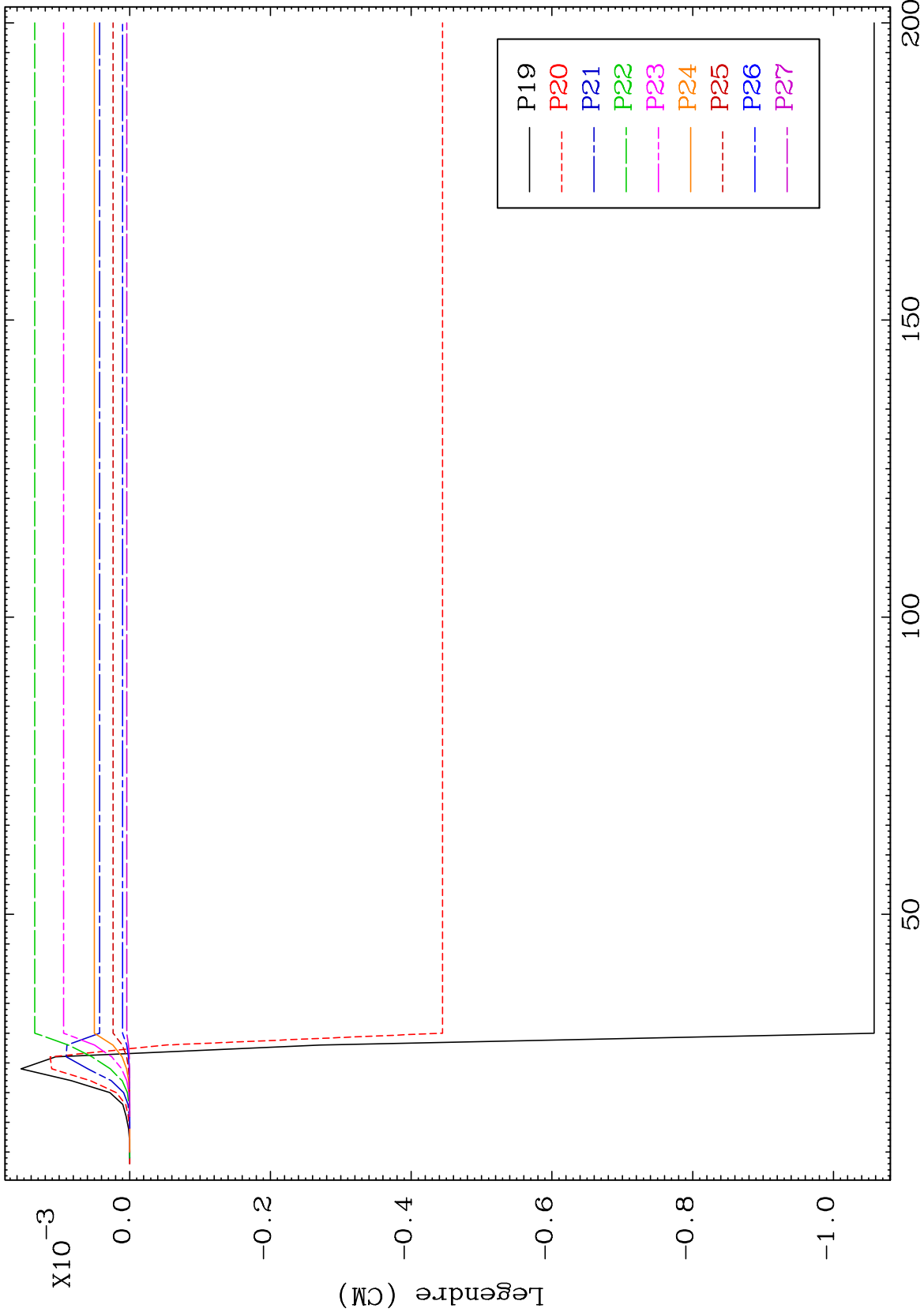
58-Ce-136



32

Incident Energy (MeV)

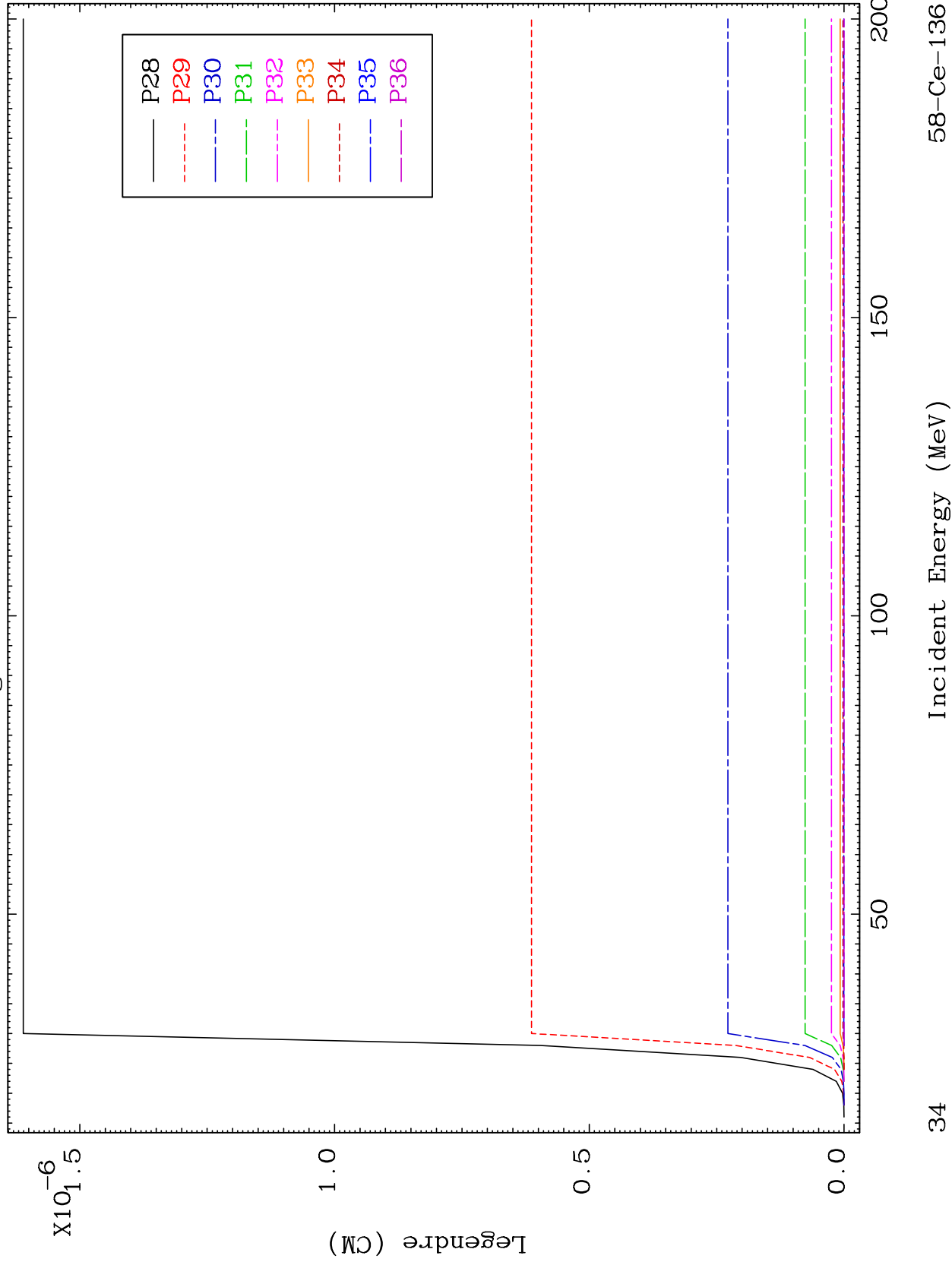
58-Ce-136



MAT 5825

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

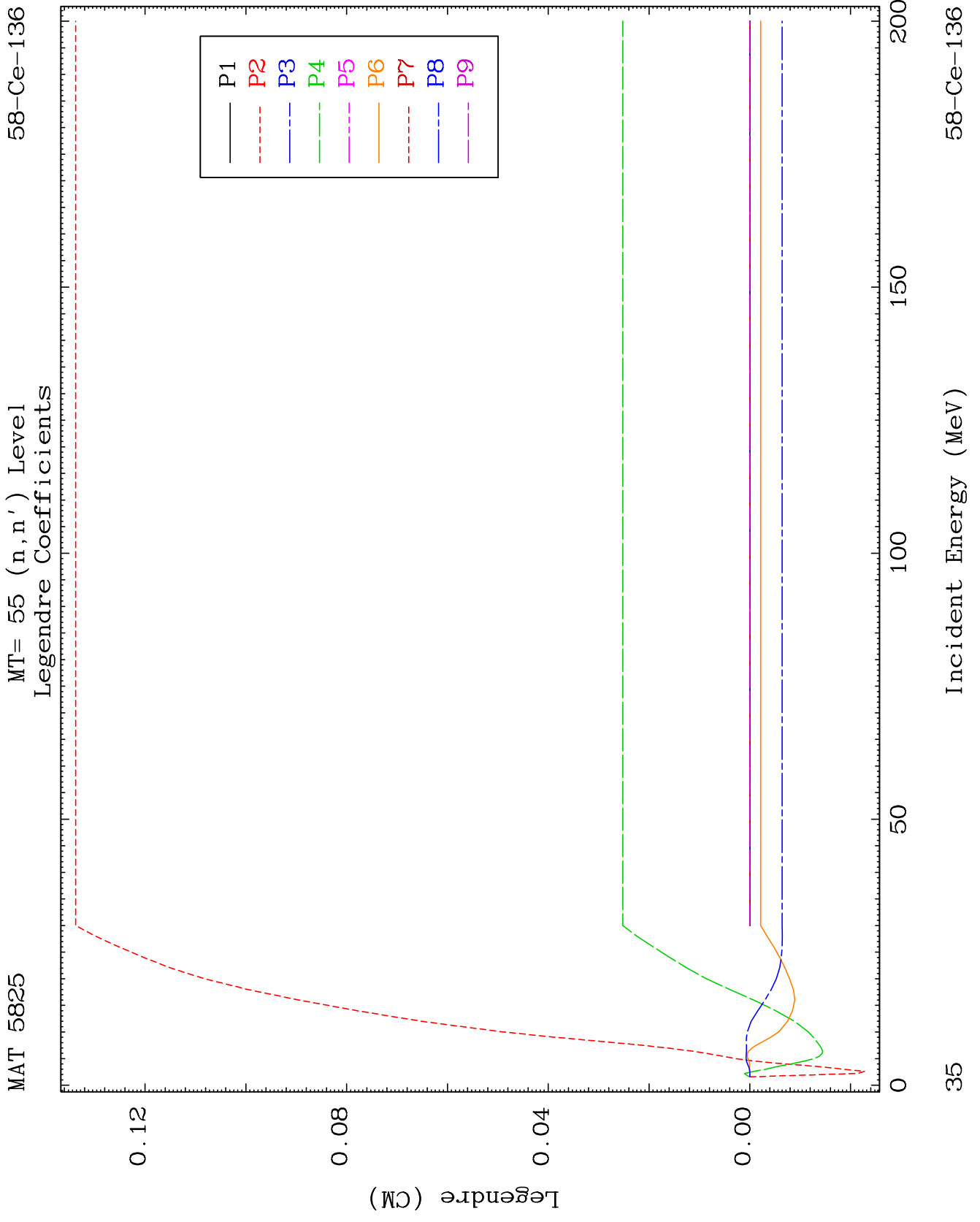
58-Ce-136



34

Incident Energy (MeV)

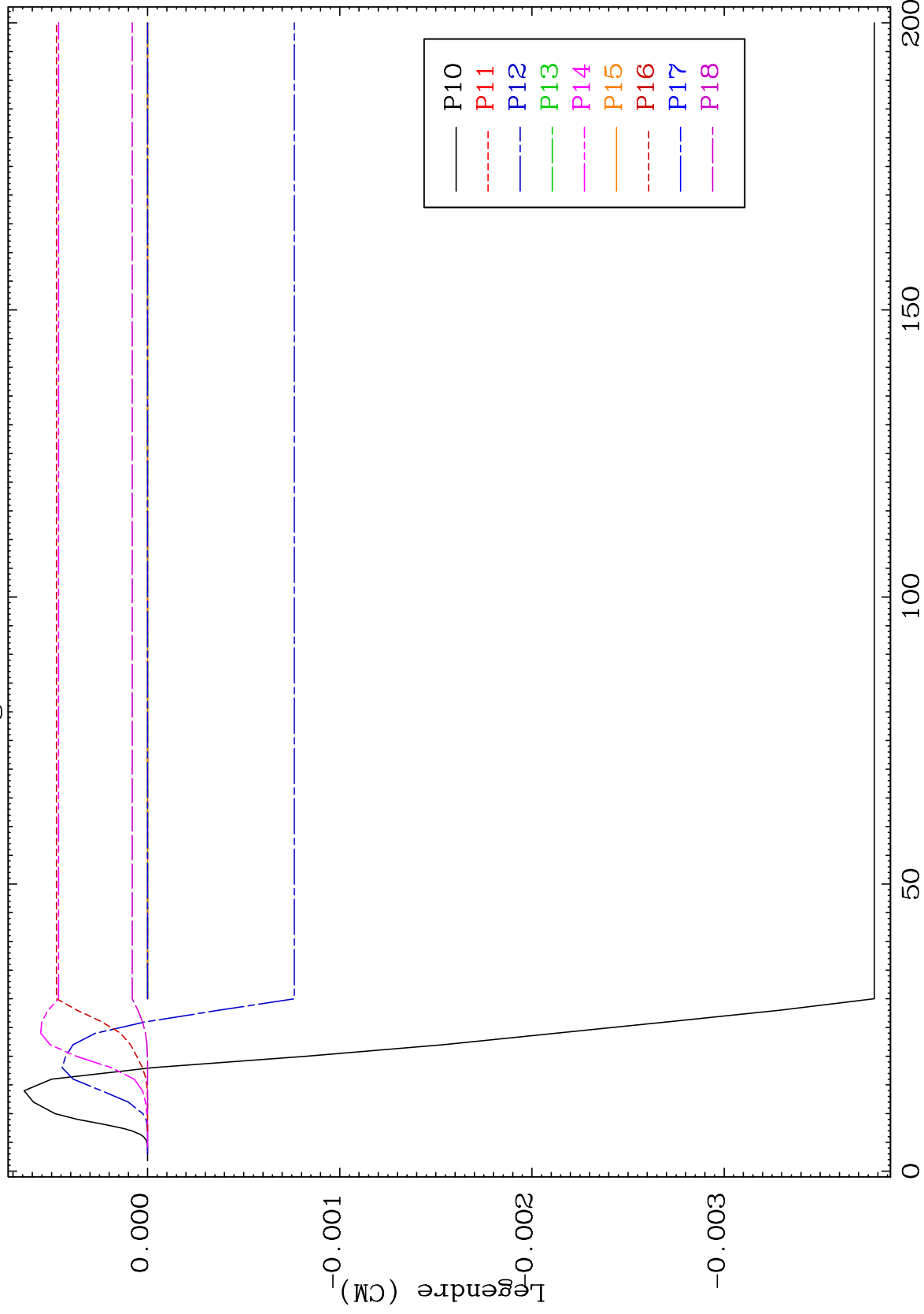
58-Ce-136



MAT 5825

58-Ce-136

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



36

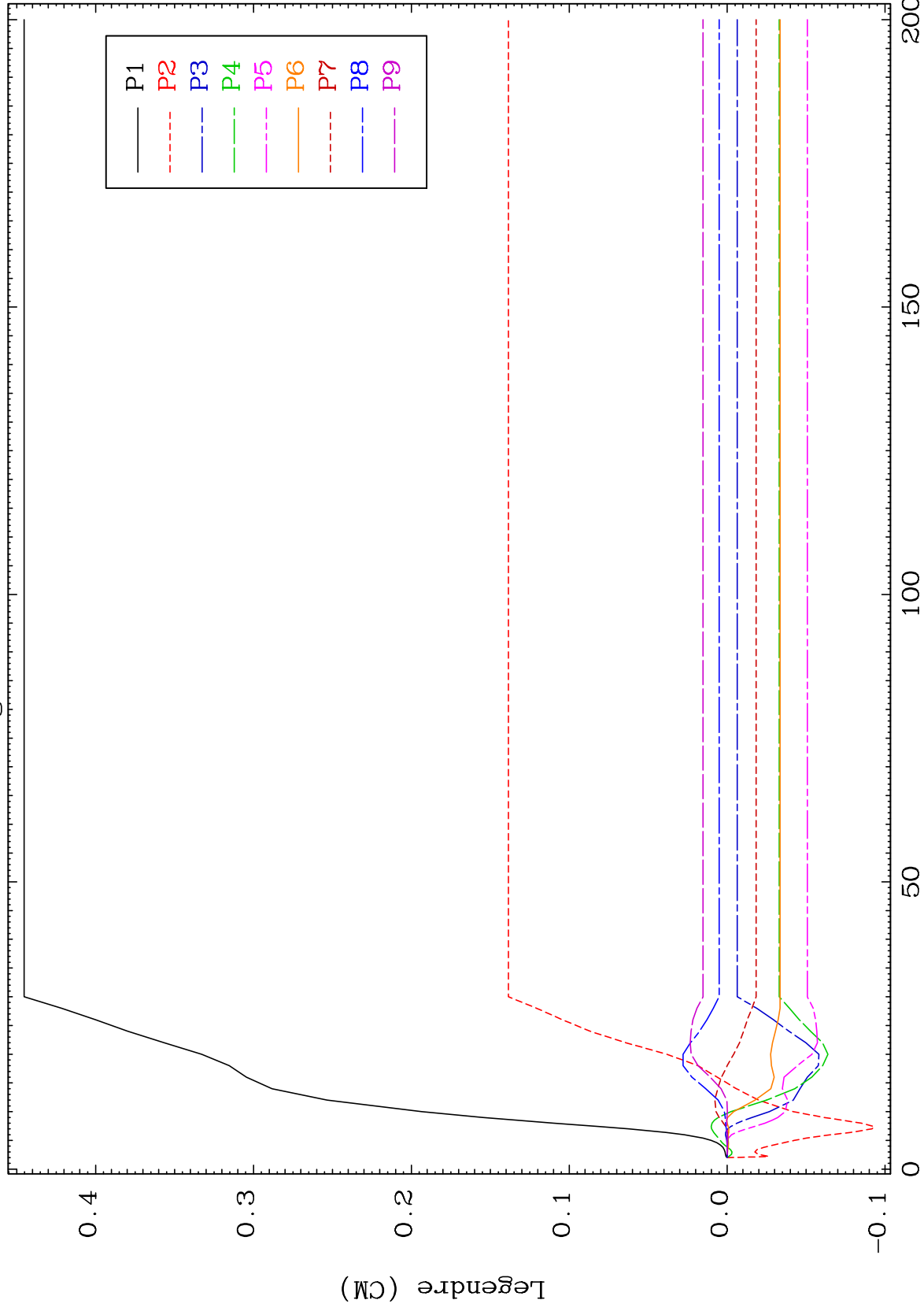
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



58-Ce-136

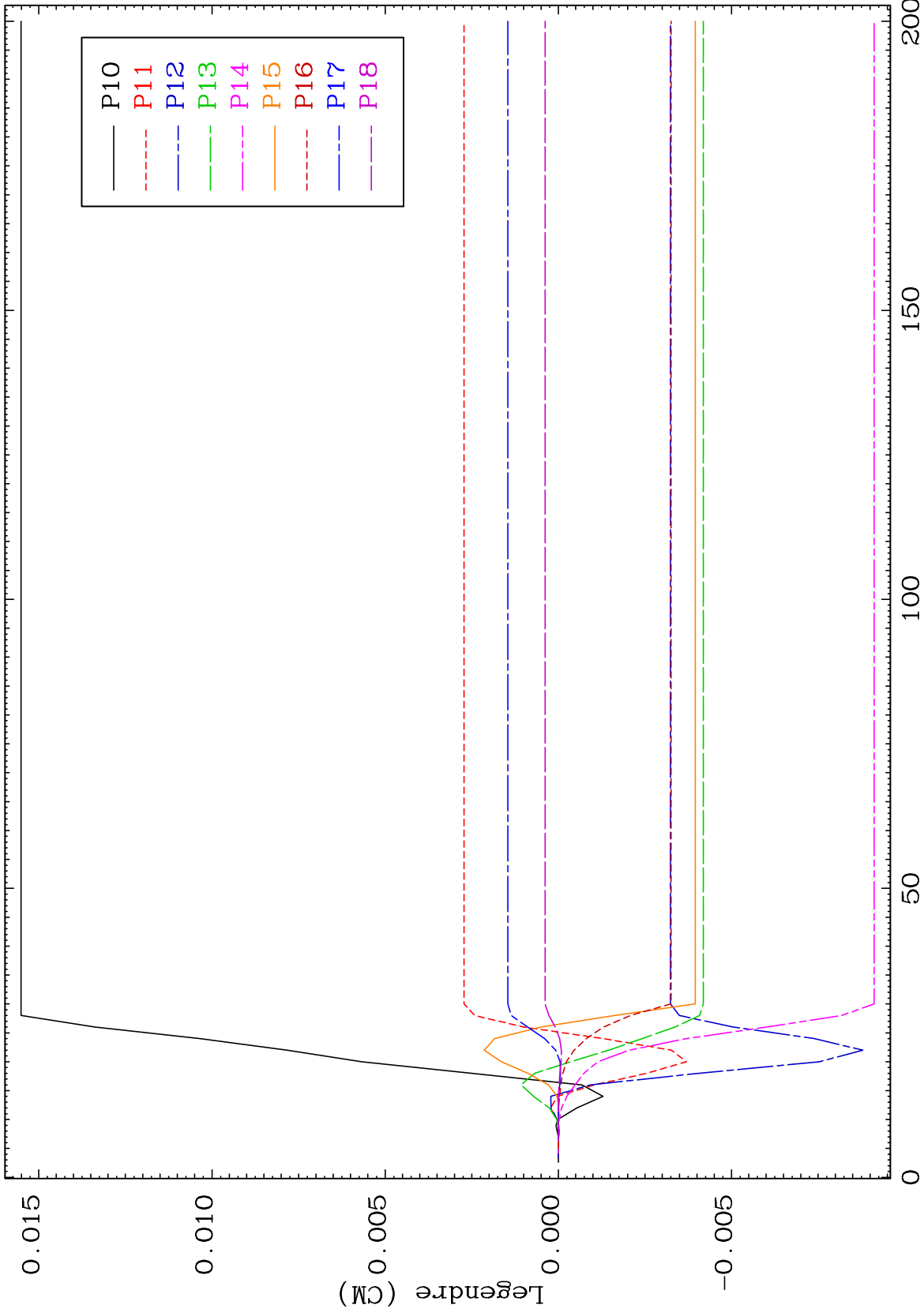
Incident Energy (MeV)

38

MAT 5825

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

58-Ce-136



39

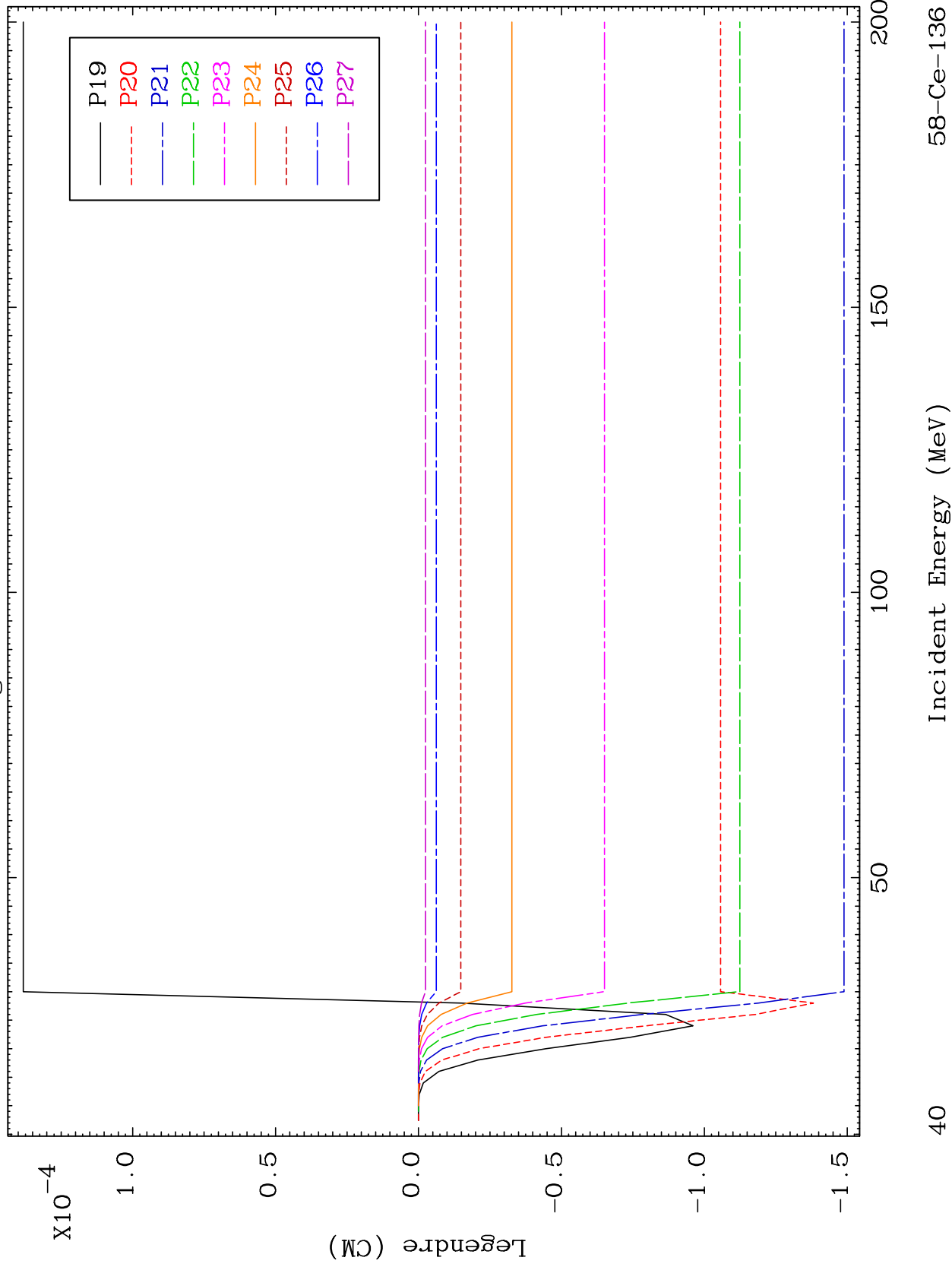
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



40

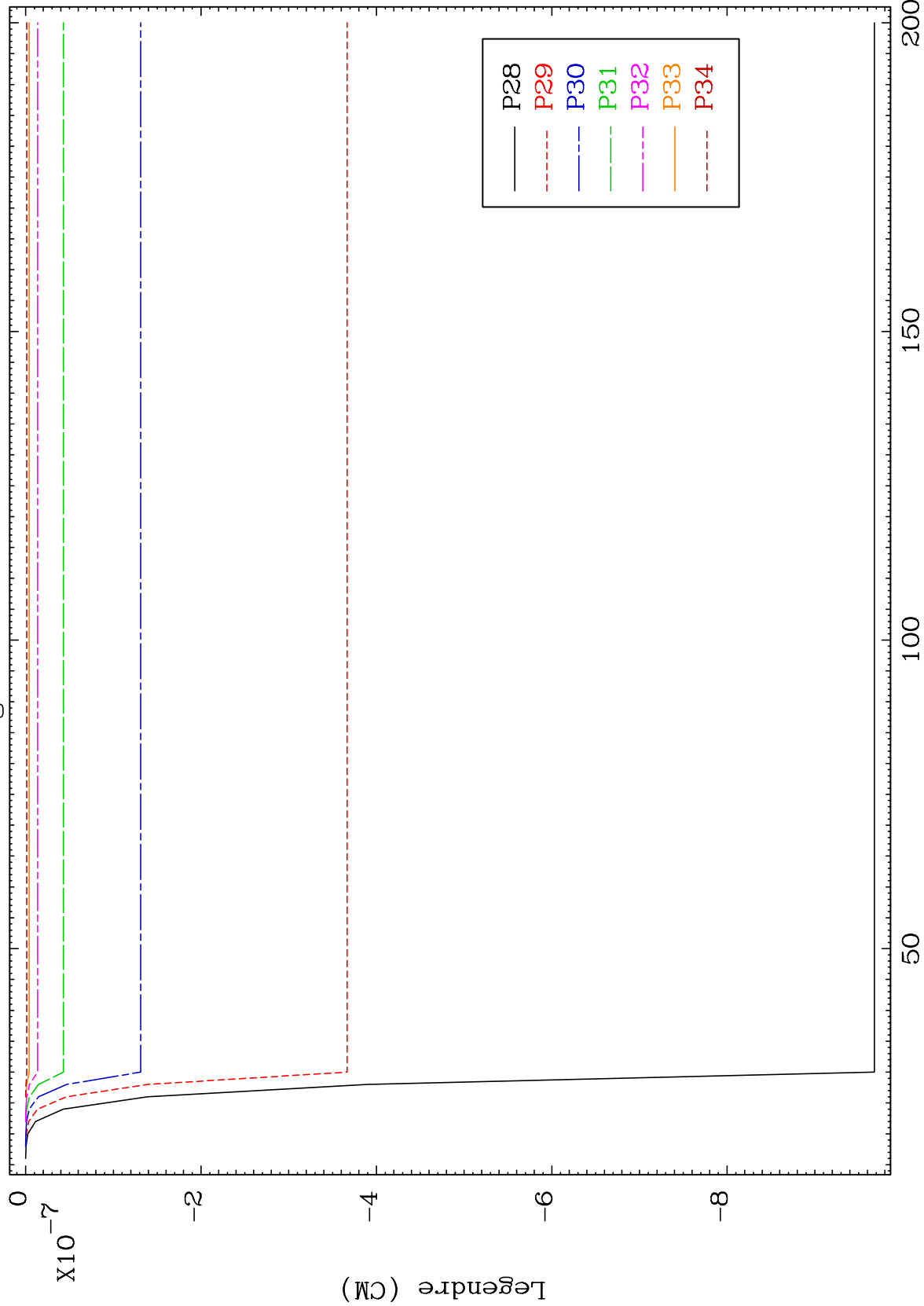
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

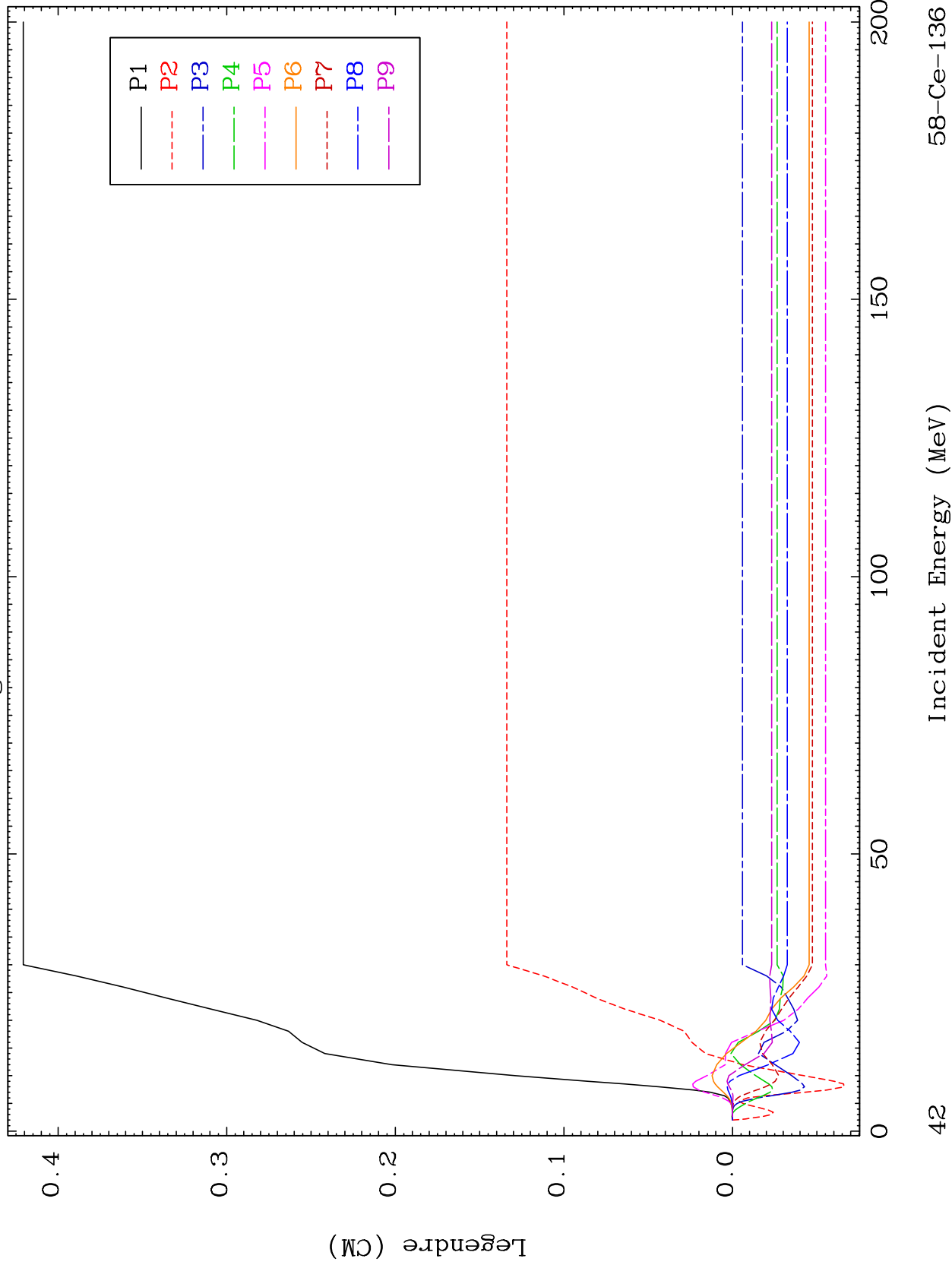
58-Ce-136



MAT 5825

MT= 57 (n,n') Level
Legendre Coefficients

58-Ce-136



58-Ce-136

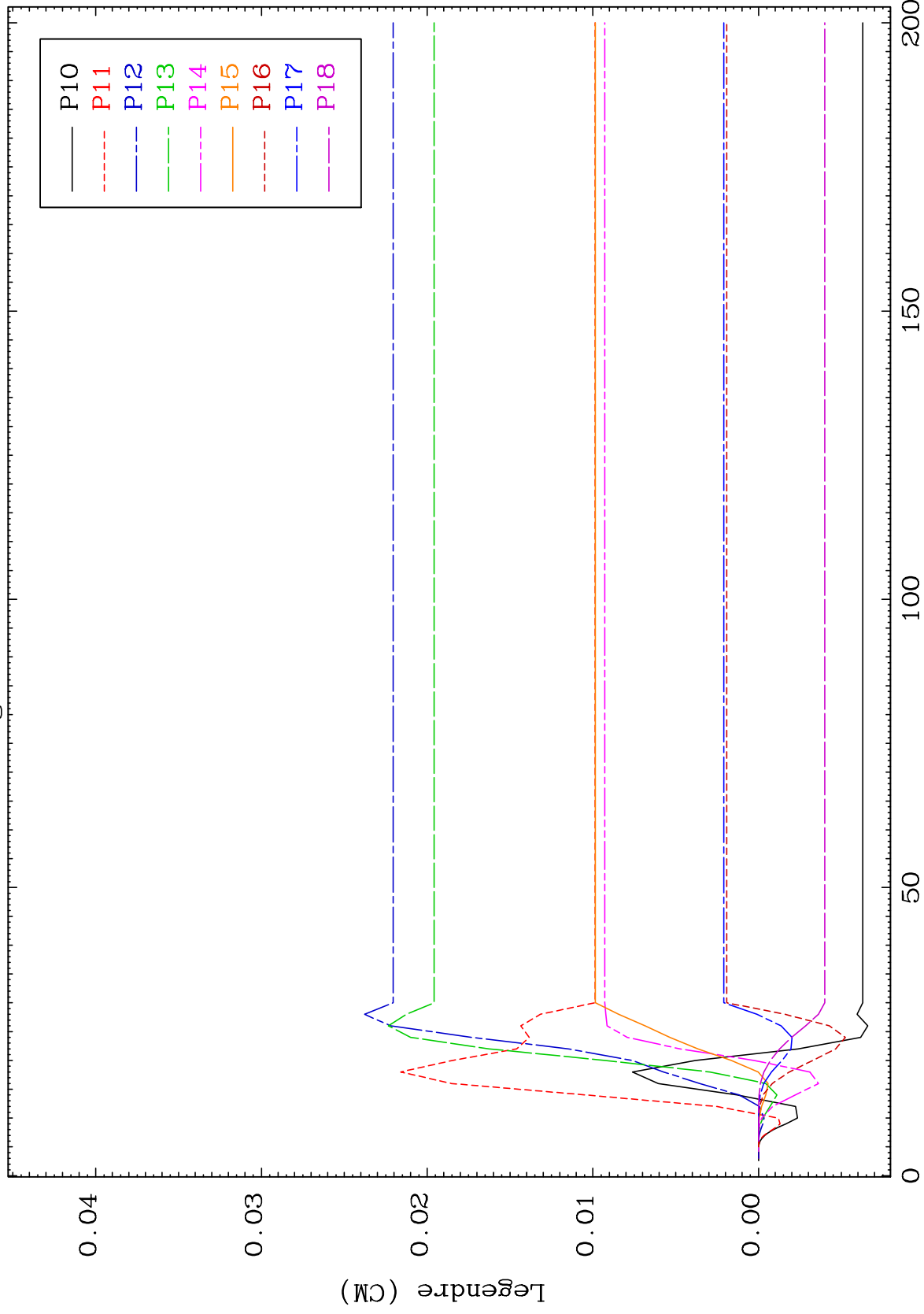
Incident Energy (MeV)

42

MAT 5825

MT= 57 (n,n') Level
Legendre Coefficients

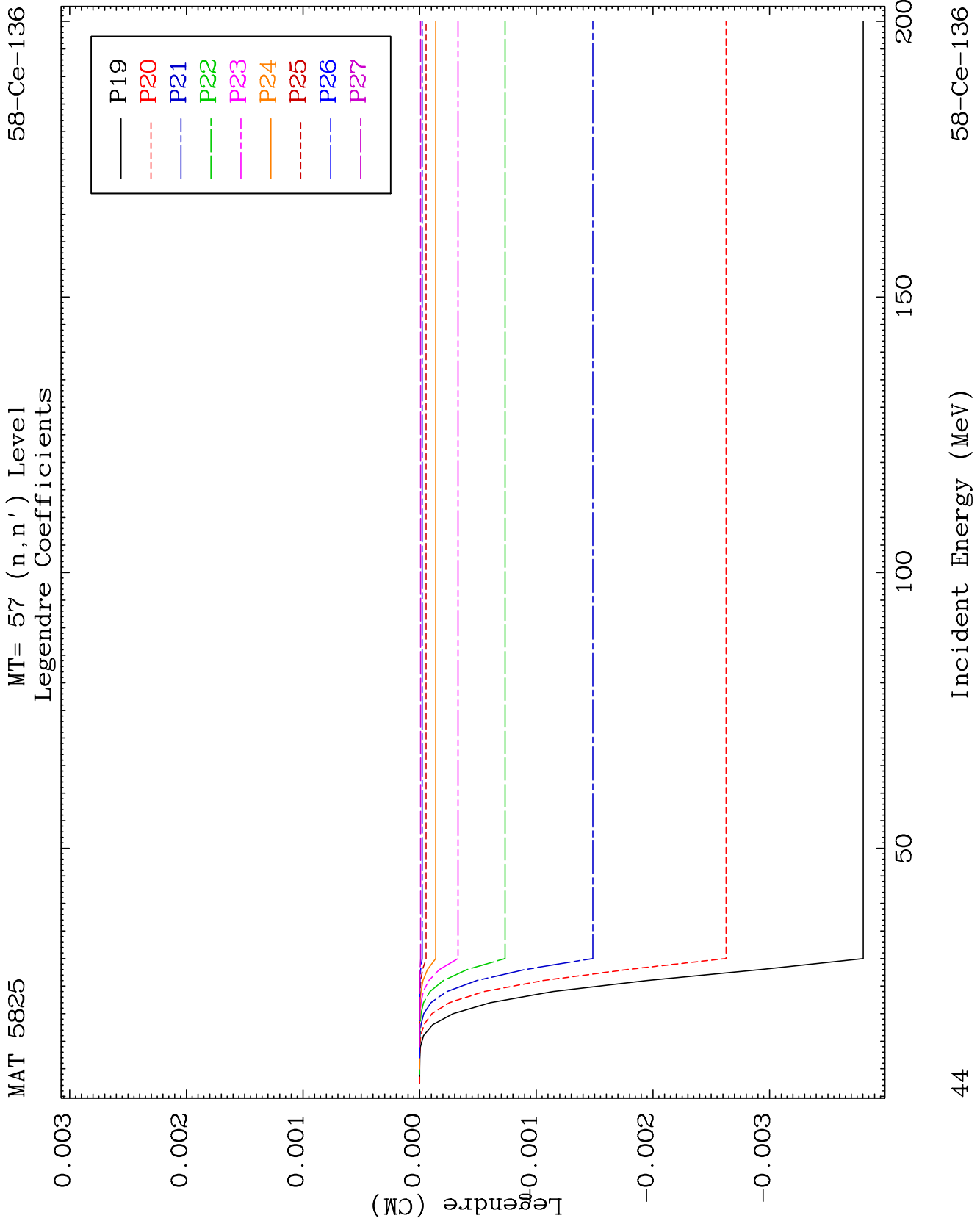
58-Ce-136

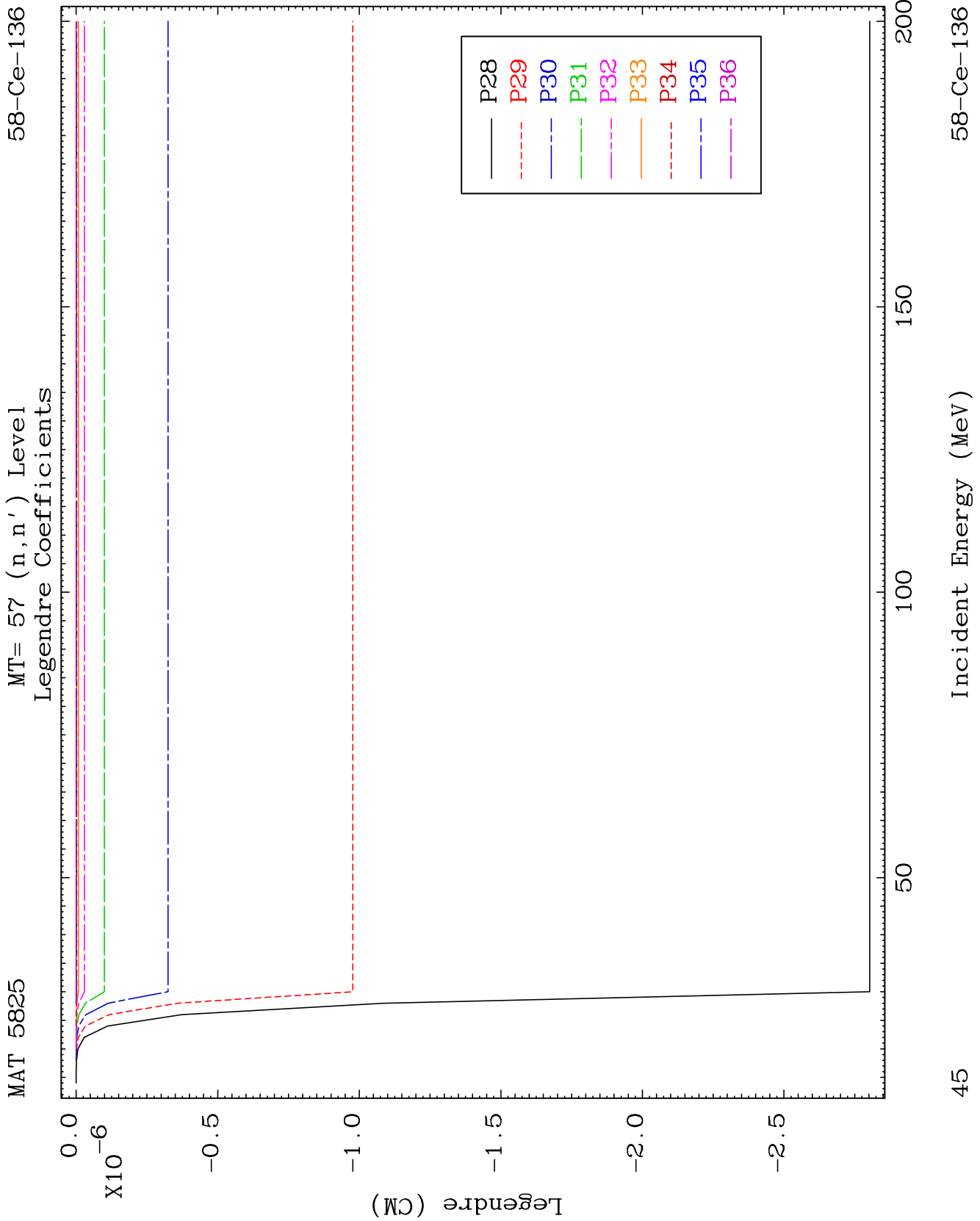


43

Incident Energy (MeV)

58-Ce-136

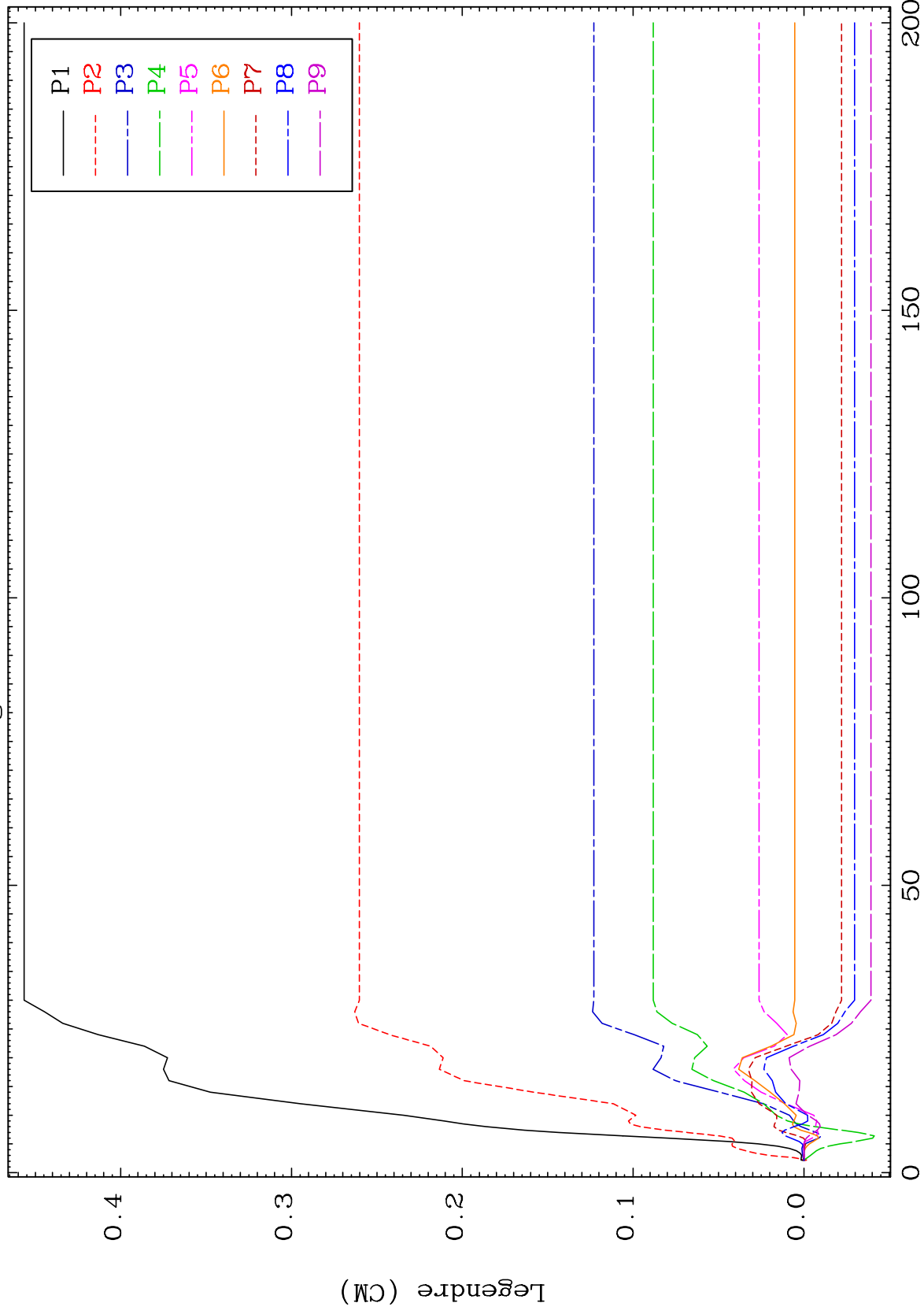




MAT 5825

MT= 58 (n,n') Level
Legendre Coefficients

58-Ce-136



46

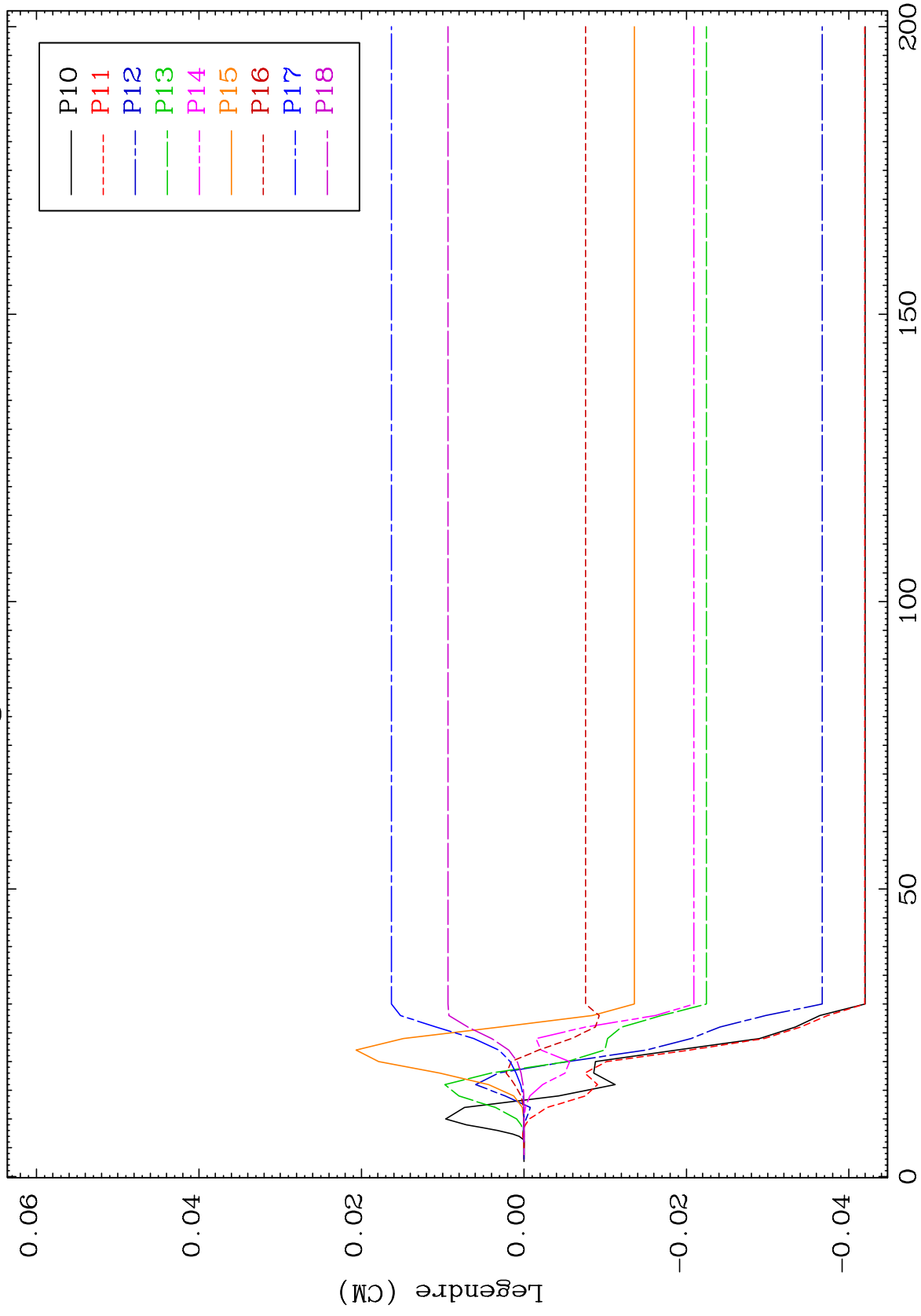
Incident Energy (MeV)

58-Ce-136

MAT 5825

MT= 58 (n,n') Level
Legendre Coefficients

58-Ce-136



47

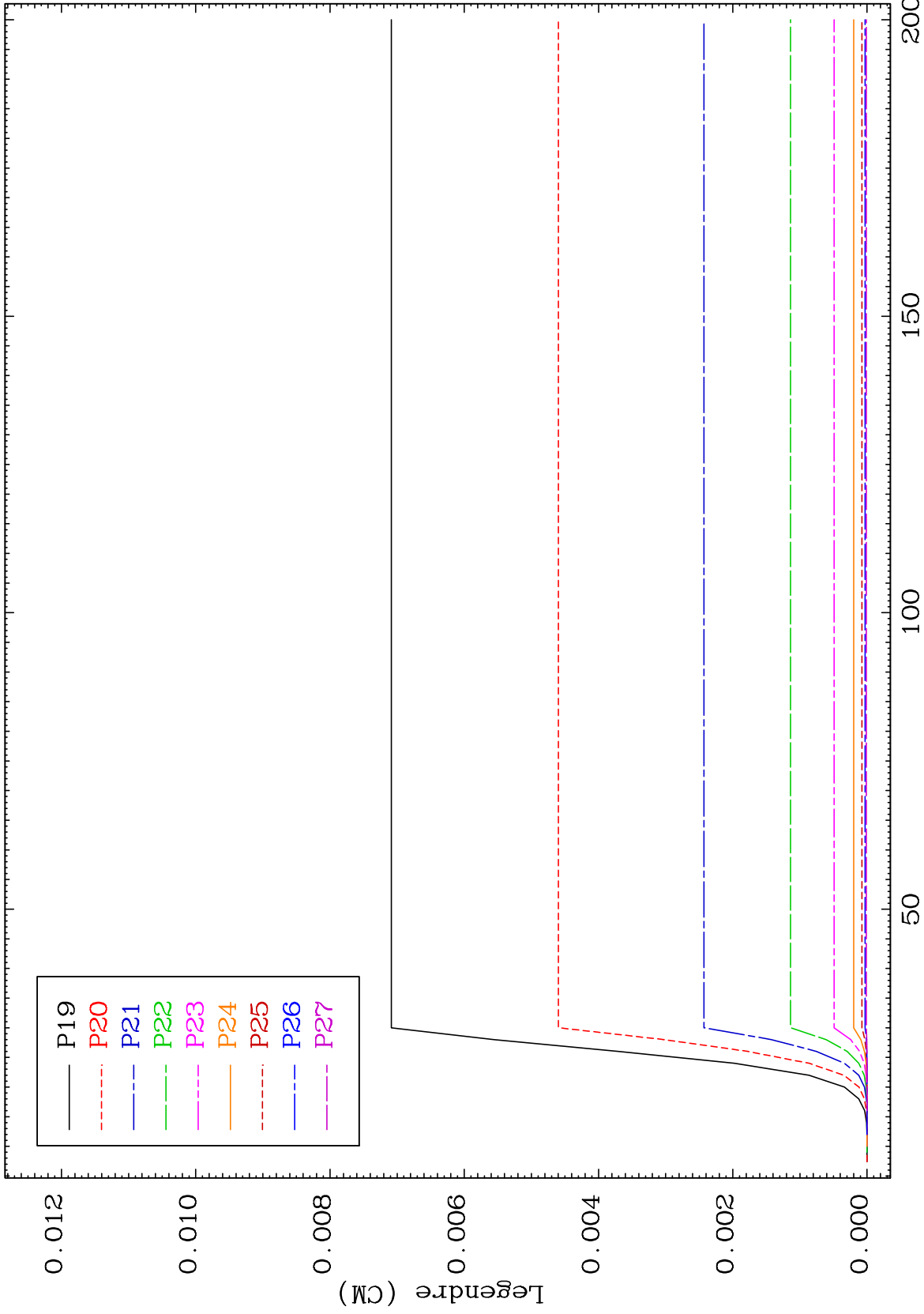
Incident Energy (MeV)

58-Ce-136

MAT 5825

MT= 58 (n,n') Level
Legendre Coefficients

58-Ce-136



48

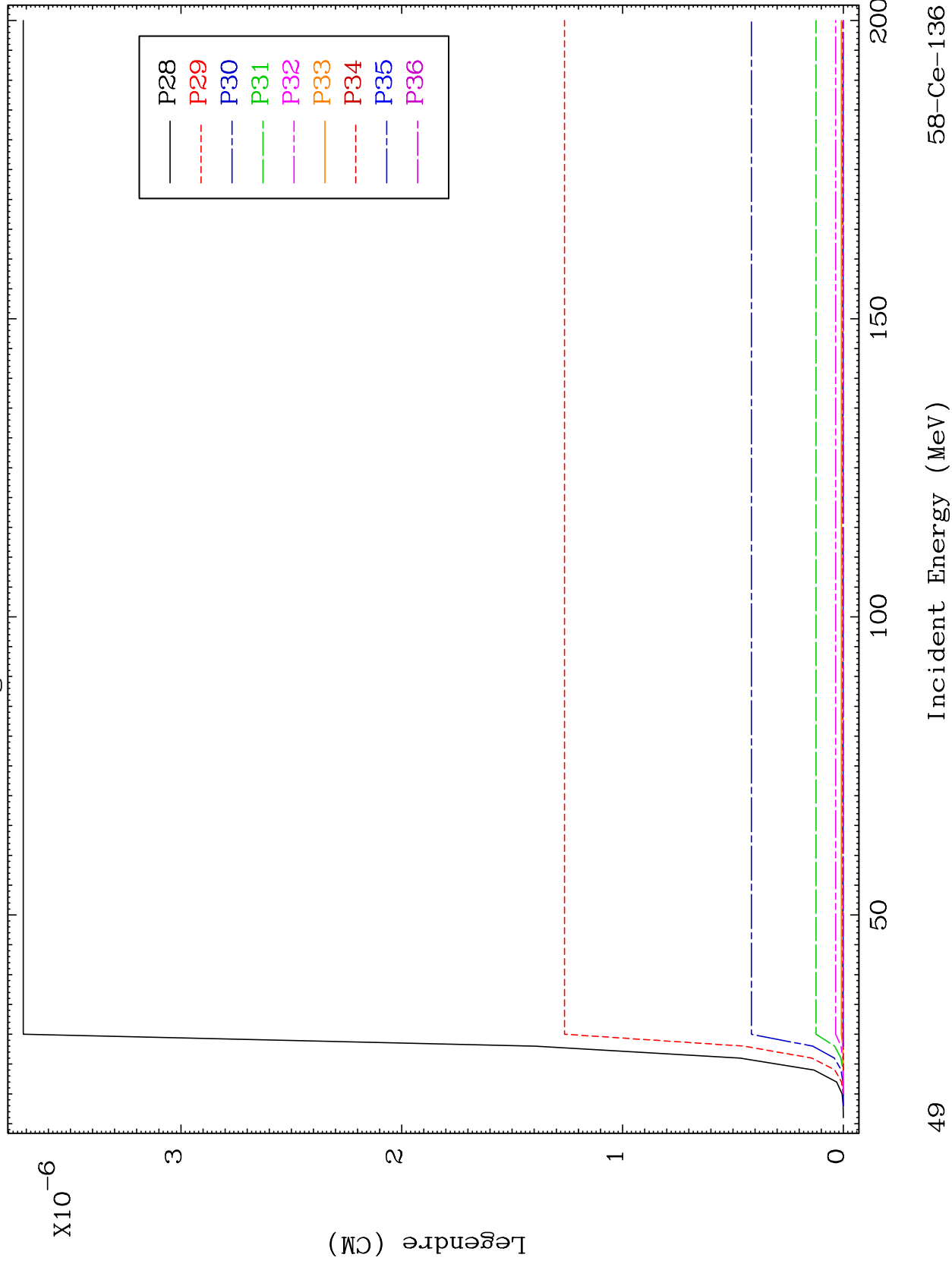
Incident Energy (MeV)

58-Ce-136

MAT 5825

MT= 58 (n,n') Level
Legendre Coefficients

58-Ce-136



49

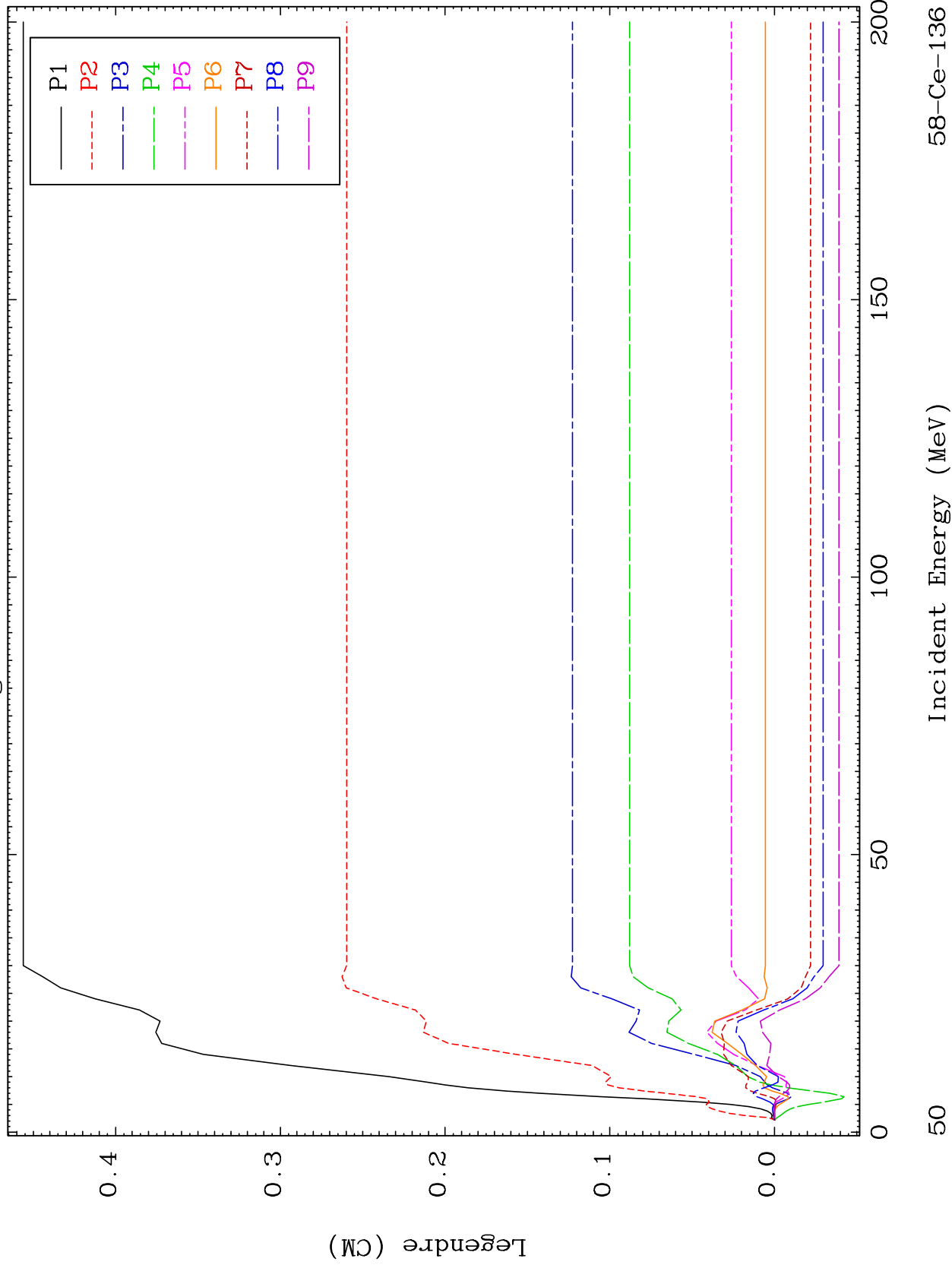
Incident Energy (MeV)

58-Ce-136

MAT 5825

MT= 59 (n,n') Level
Legendre Coefficients

58-Ce-136



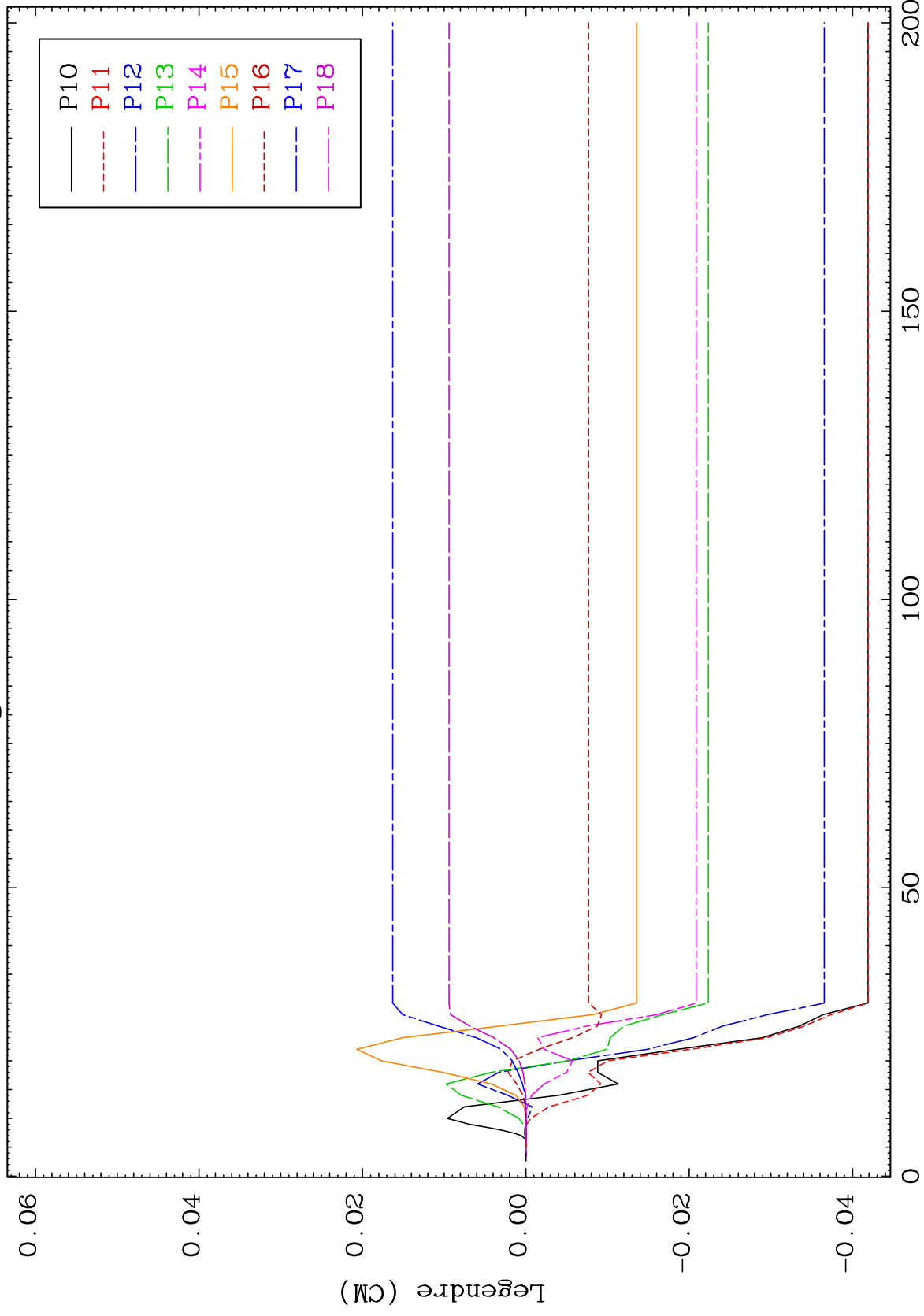
58-Ce-136

Incident Energy (MeV)

MAT 5825

MT= 59 (n,n') Level
Legendre Coefficients

58-Ce-136



51

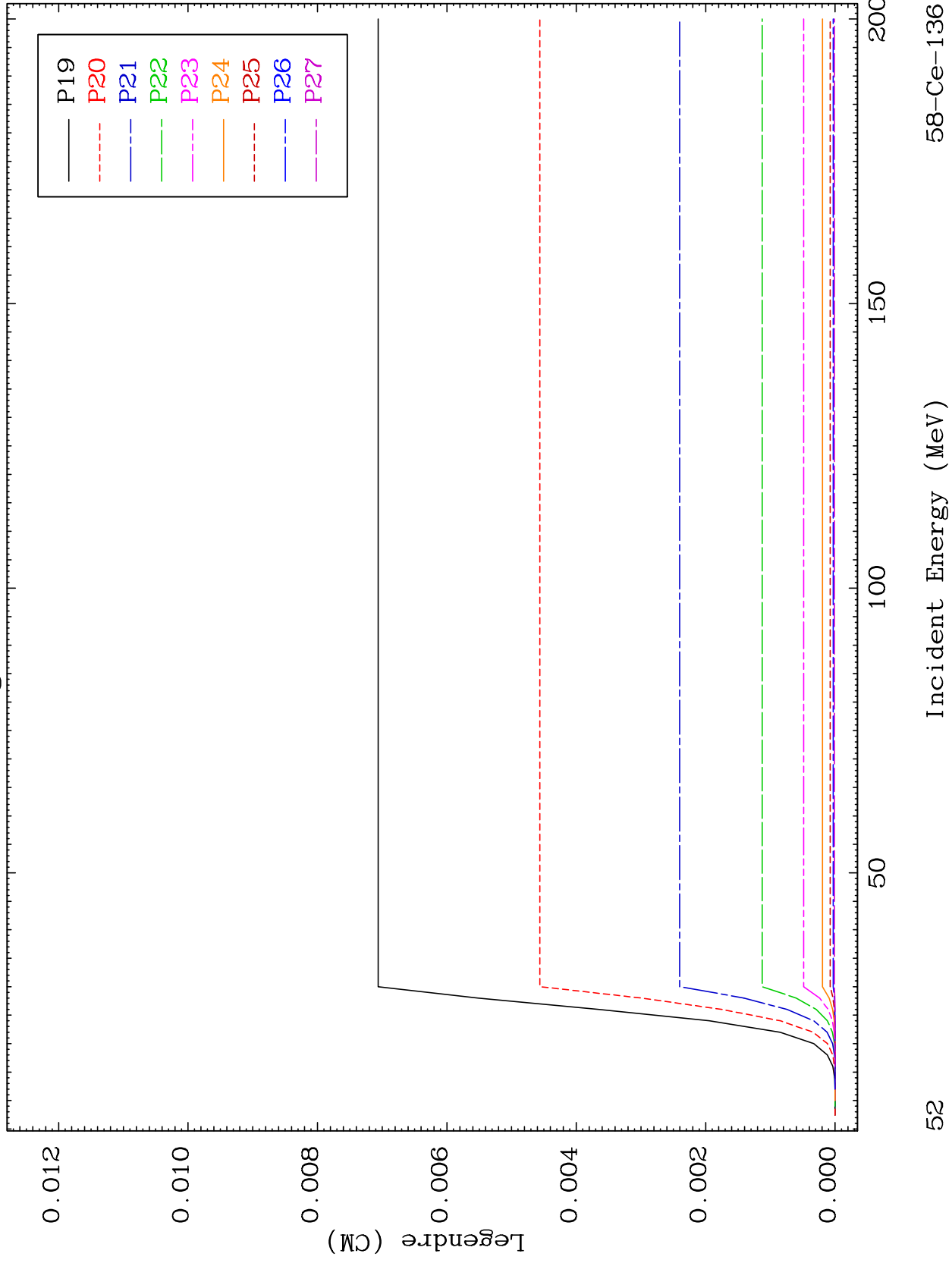
Incident Energy (MeV)

58-Ce-136

MAT 5825

MT= 59 (n,n') Level
Legendre Coefficients

58-Ce-136



52

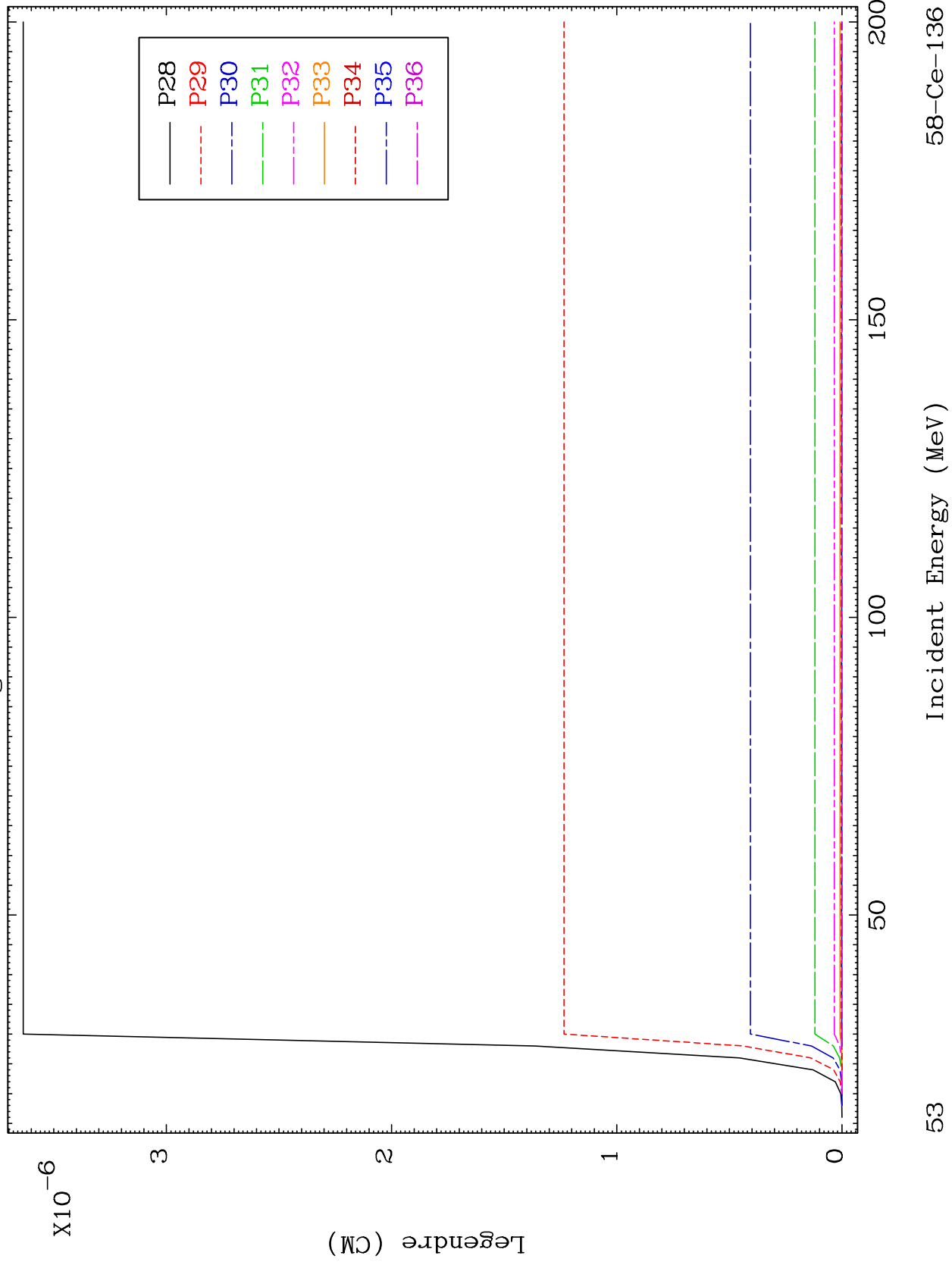
Incident Energy (MeV)

58-Ce-136

MAT 5825

MT= 59 (n,n') Level
Legendre Coefficients

58-Ce-136



53

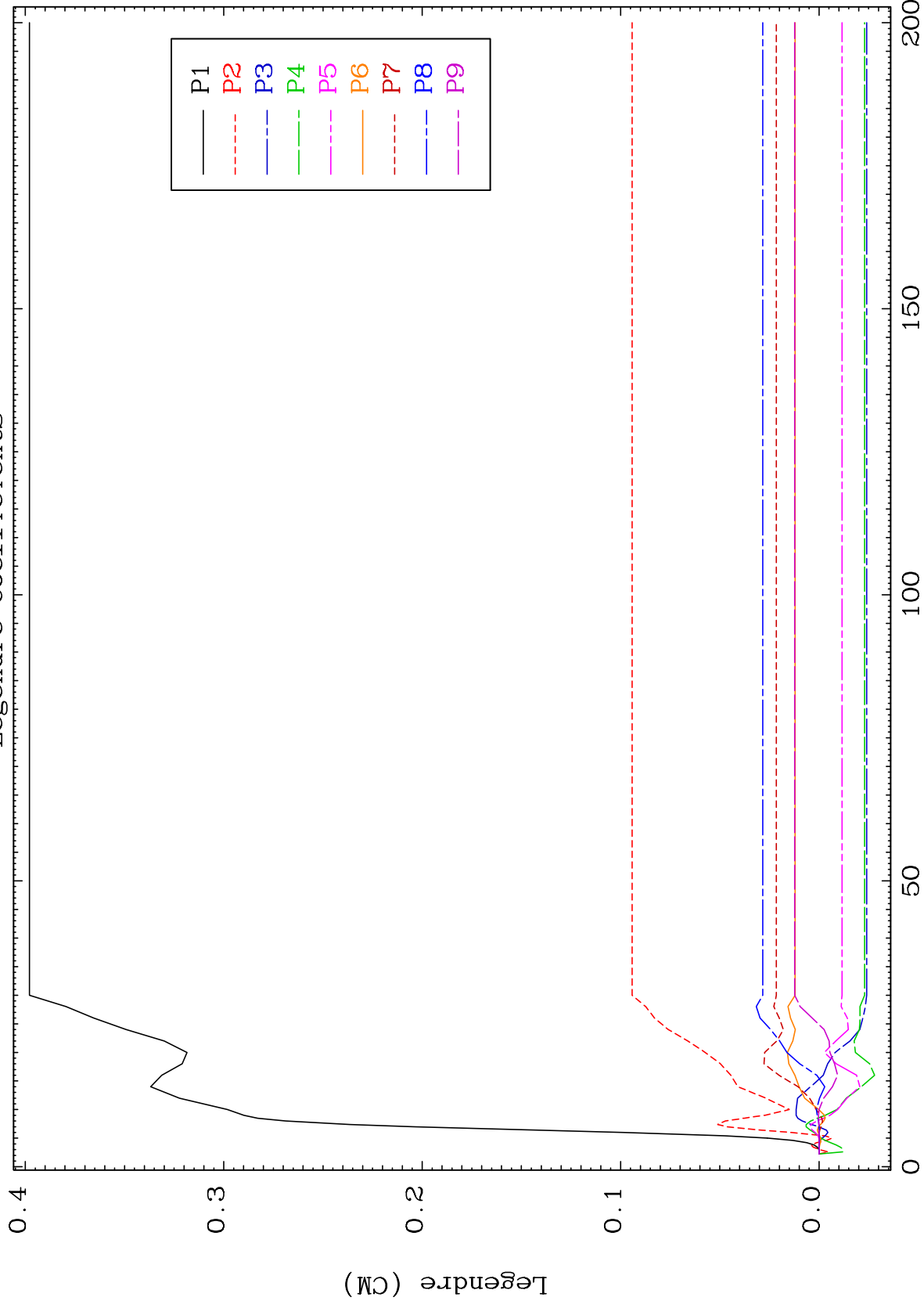
Incident Energy (MeV)

58-Ce-136

MAT 5825

MT= 60 (n,n') Level
Legendre Coefficients

58-Ce-136



54

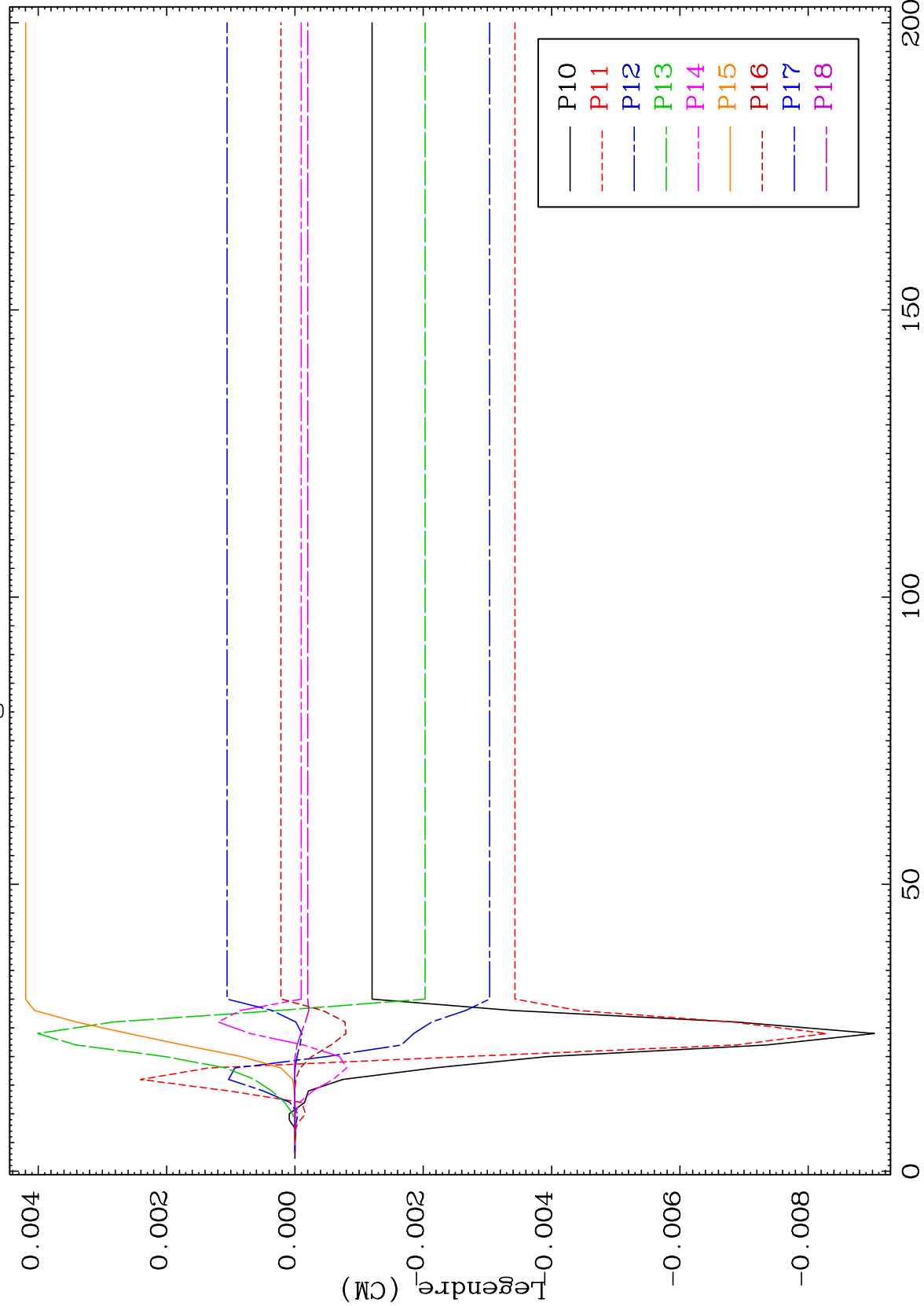
Incident Energy (MeV)

58-Ce-136

MAT 5825

MT= 60 (n,n') Level
Legendre Coefficients

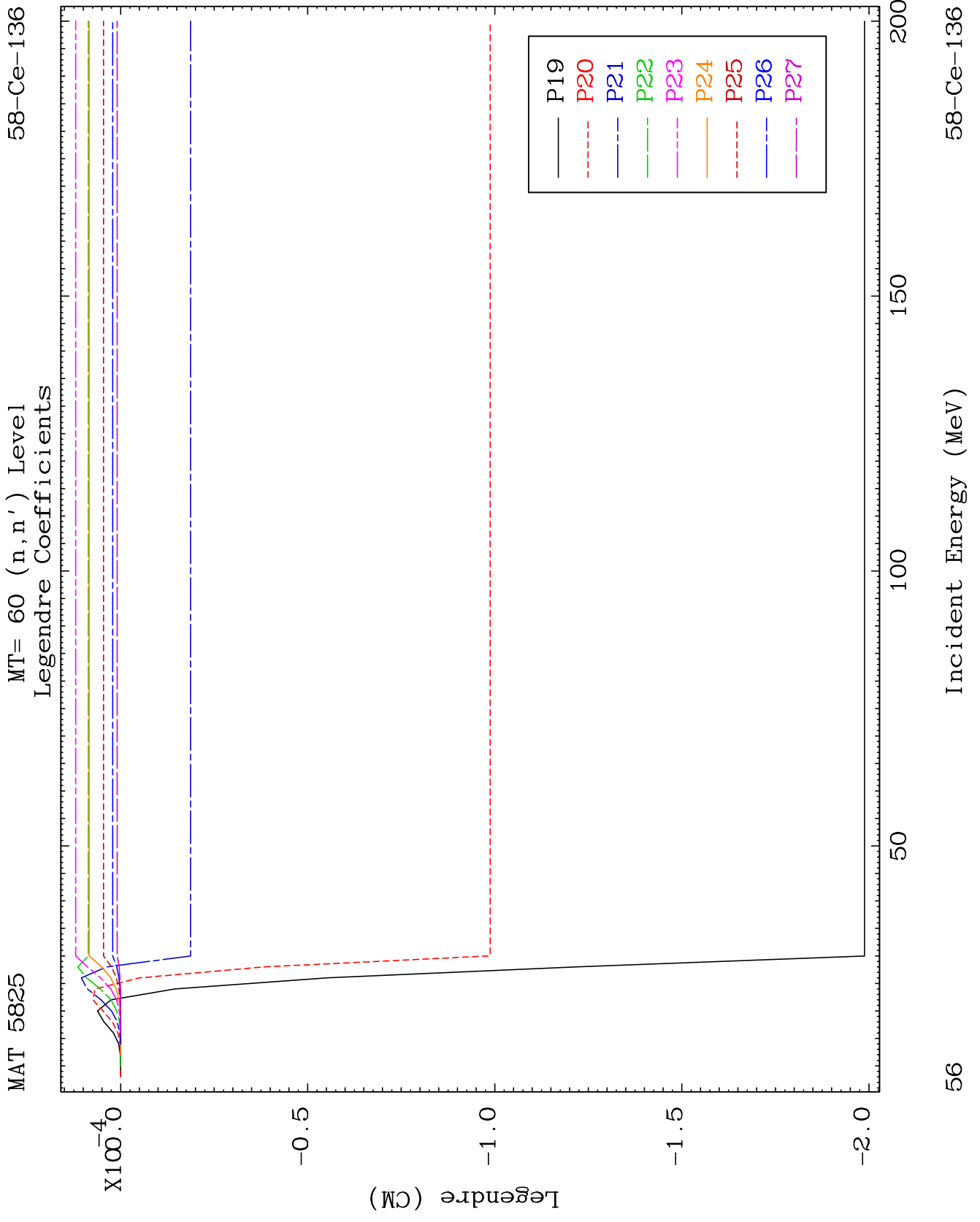
58-Ce-136



55

Incident Energy (MeV)

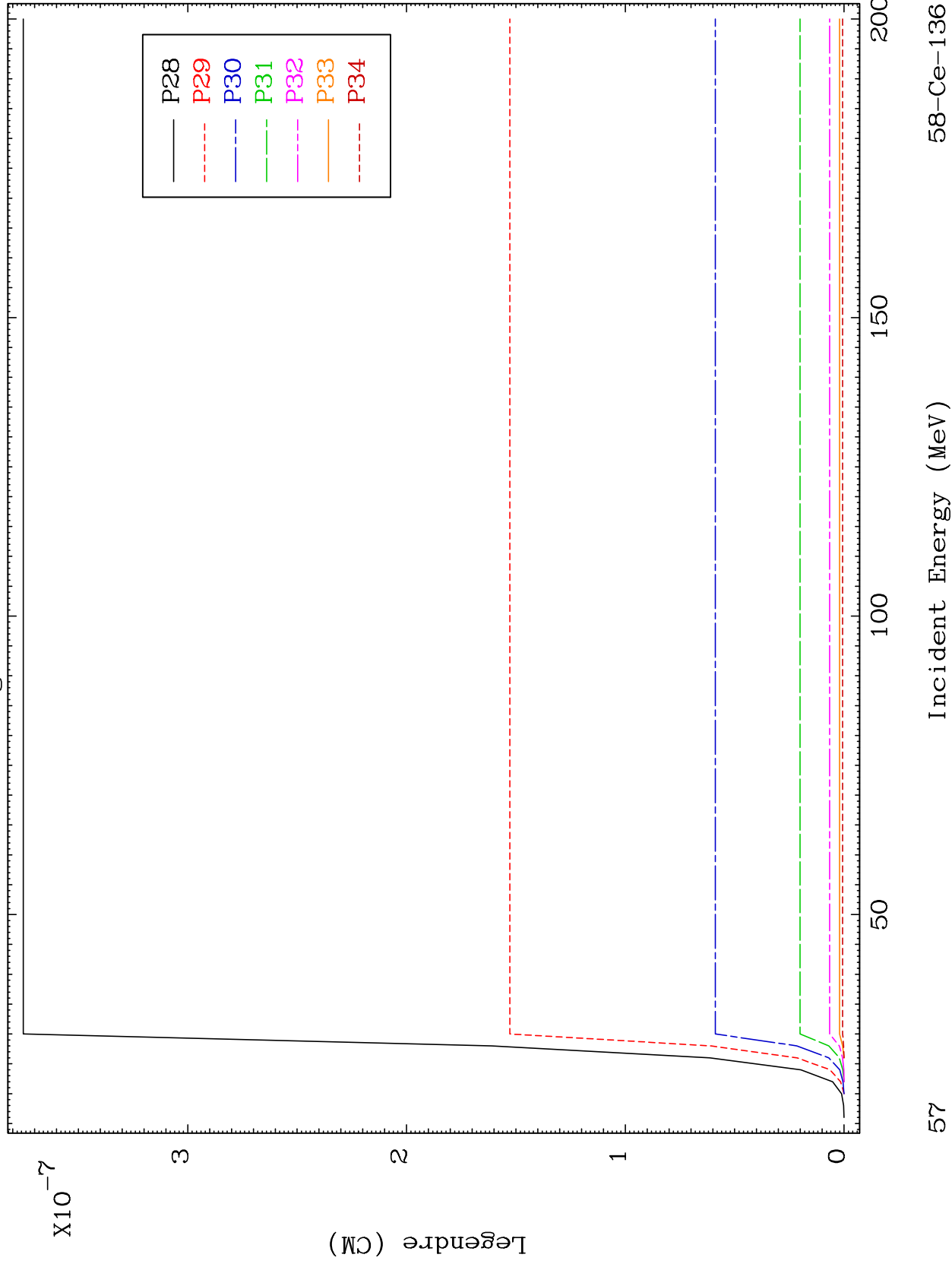
58-Ce-136



MAT 5825

MT= 60 (n,n') Level
Legendre Coefficients

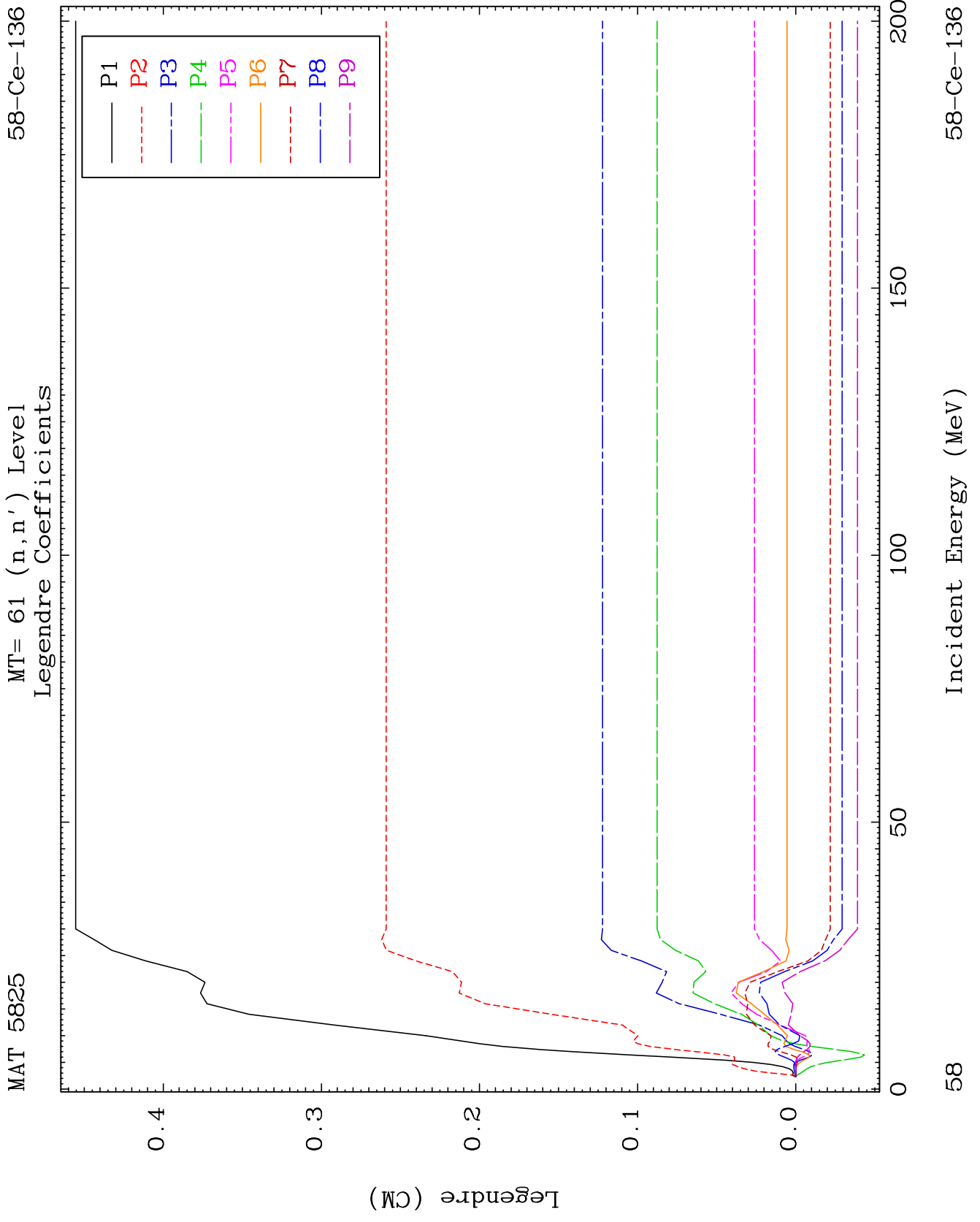
58-Ce-136



57

Incident Energy (MeV)

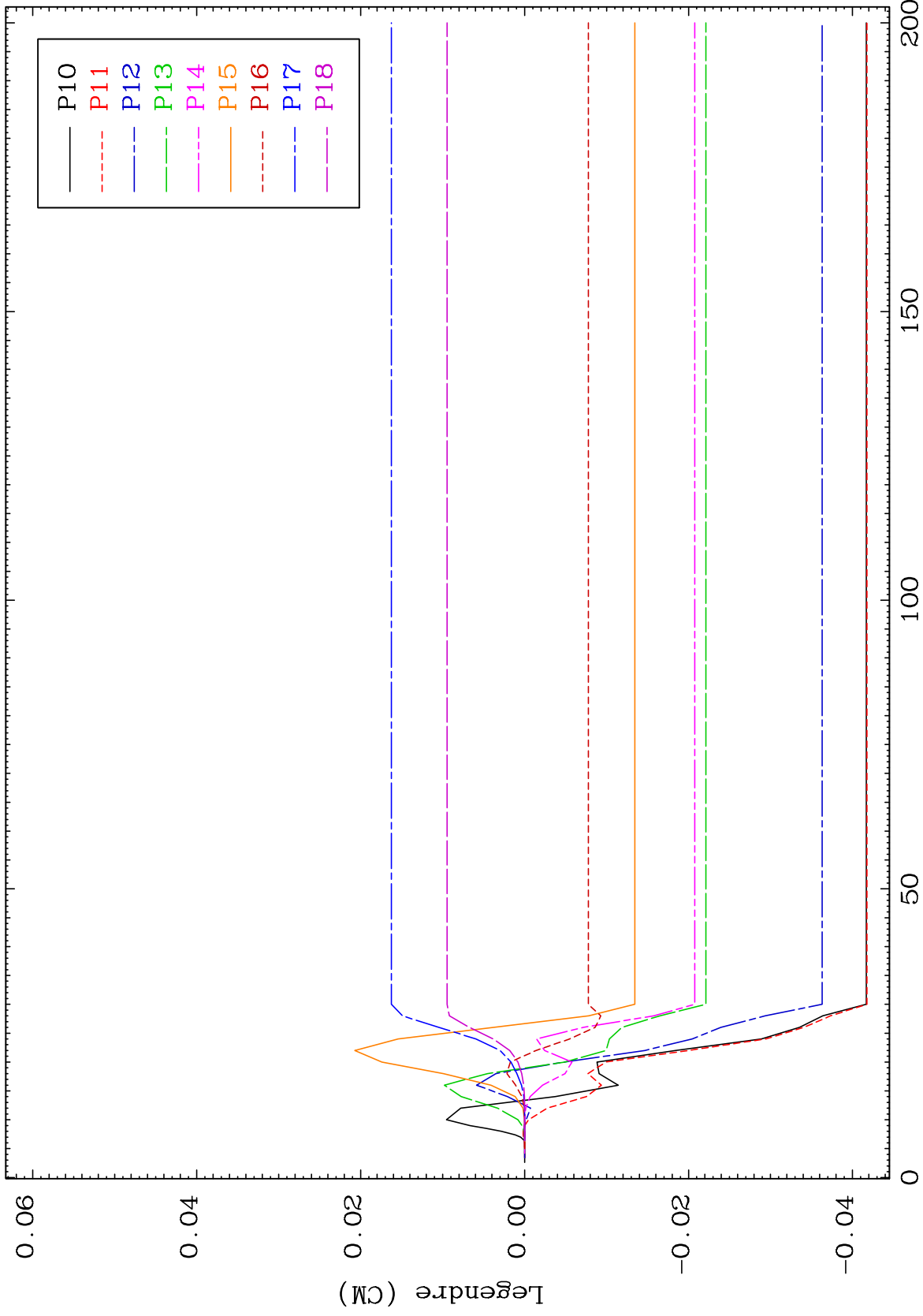
58-Ce-136



MAT 5825

MT= 61 (n,n') Level
Legendre Coefficients

58-Ce-136



59

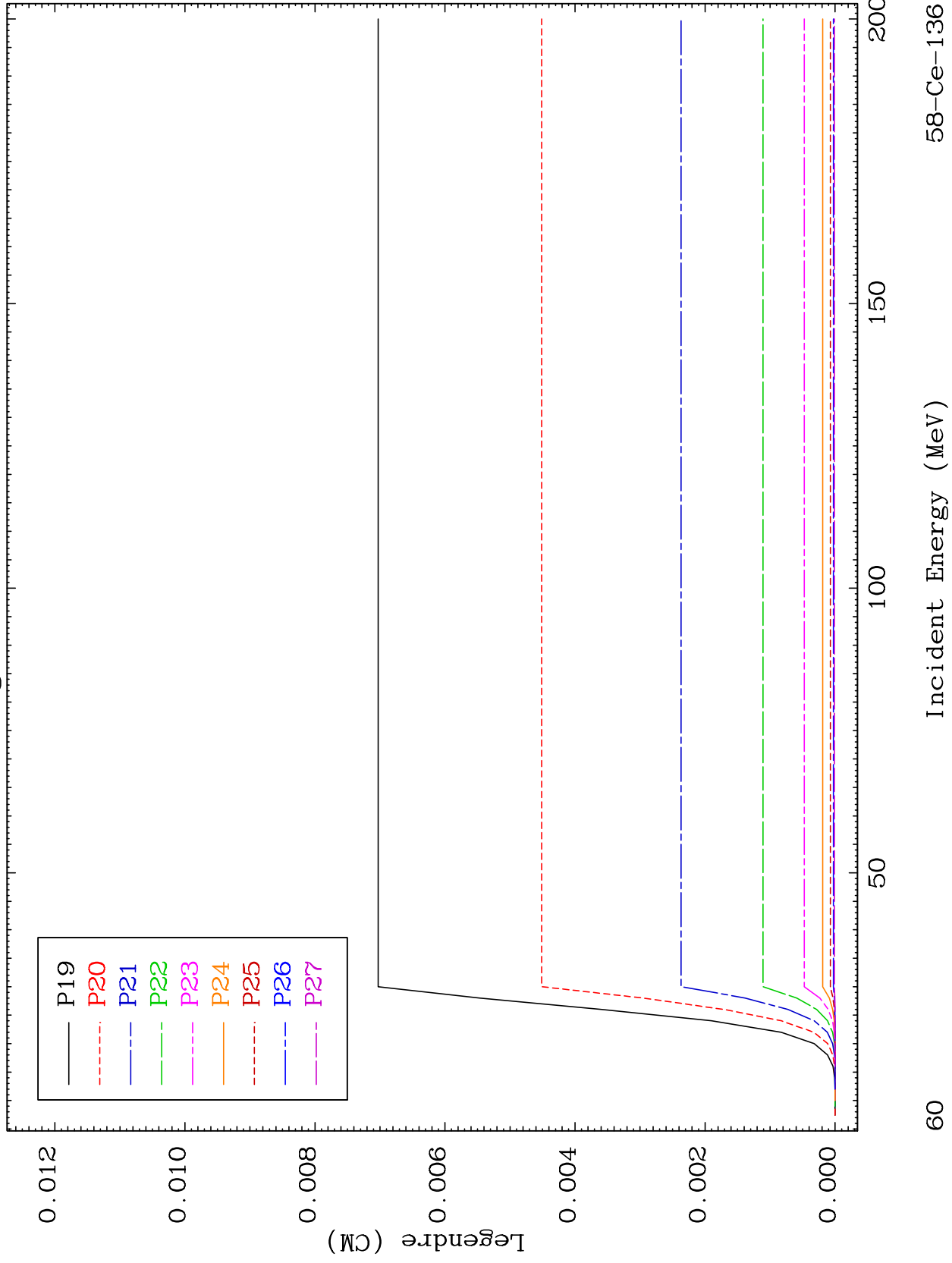
Incident Energy (MeV)

58-Ce-136

MAT 5825

MT= 61 (n,n') Level
Legendre Coefficients

58-Ce-136



58-Ce-136

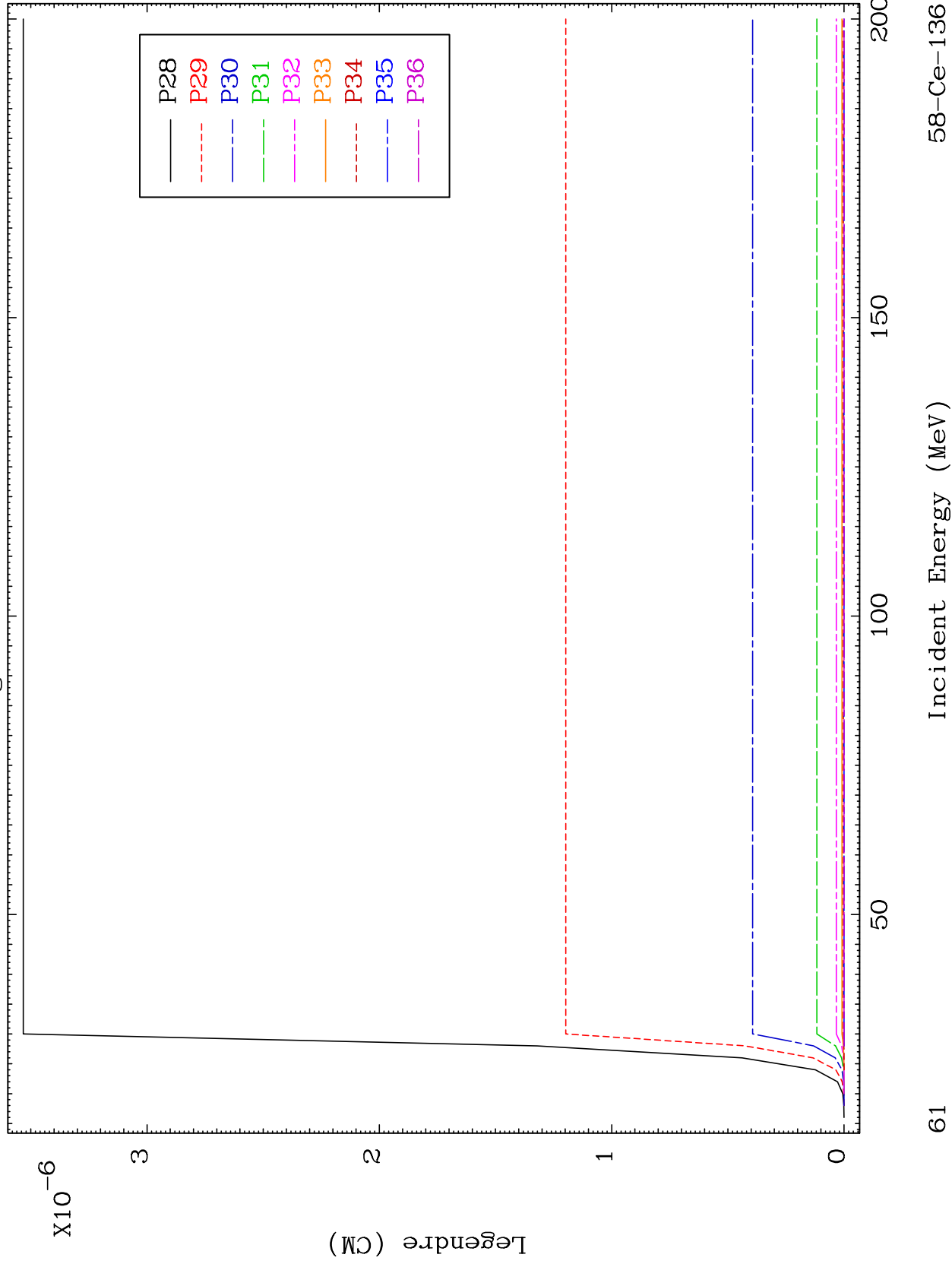
Incident Energy (MeV)

60

MAT 5825

MT= 61 (n,n') Level
Legendre Coefficients

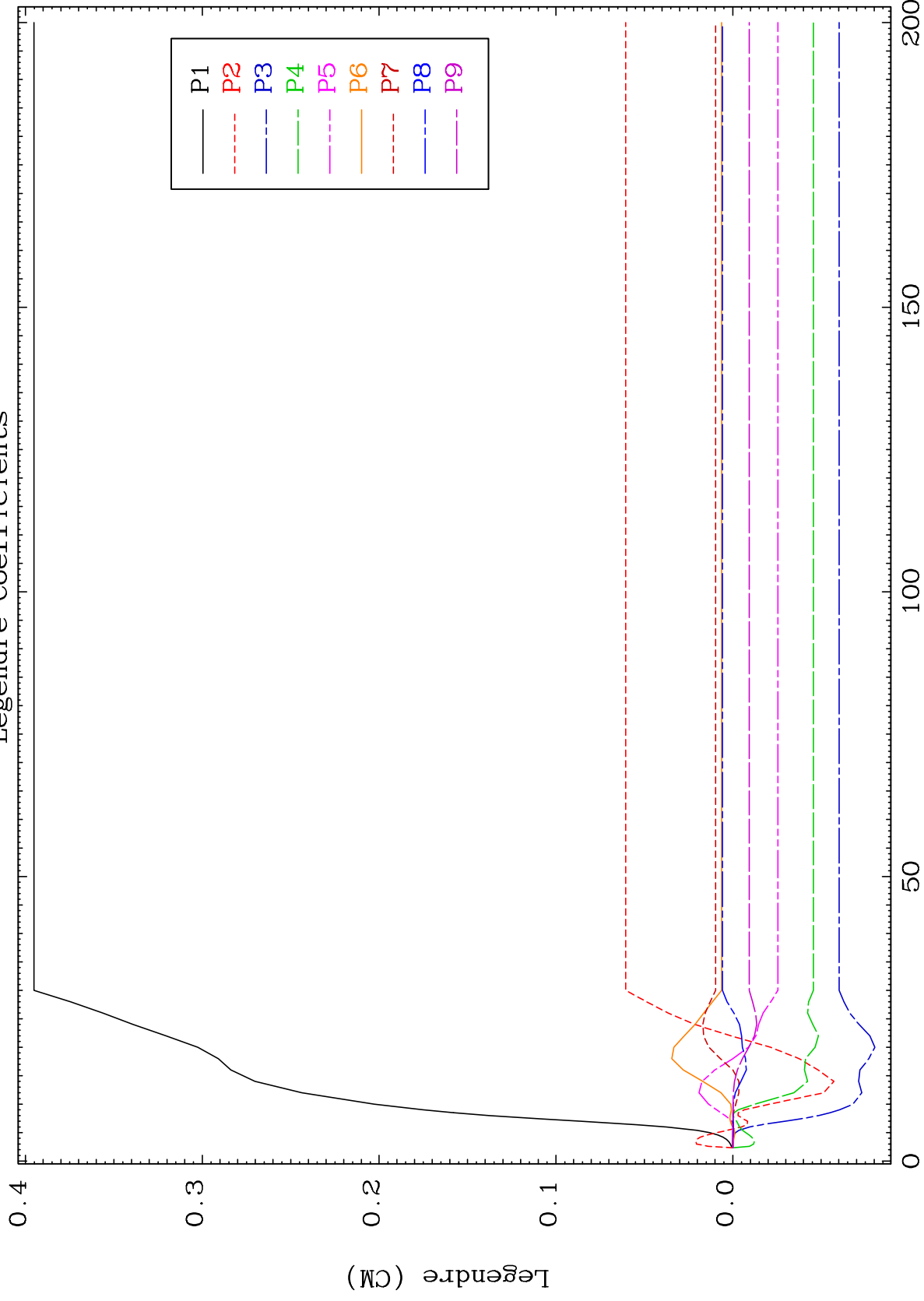
58-Ce-136



MAT 5825

MT= 62 (n,n') Level
Legendre Coefficients

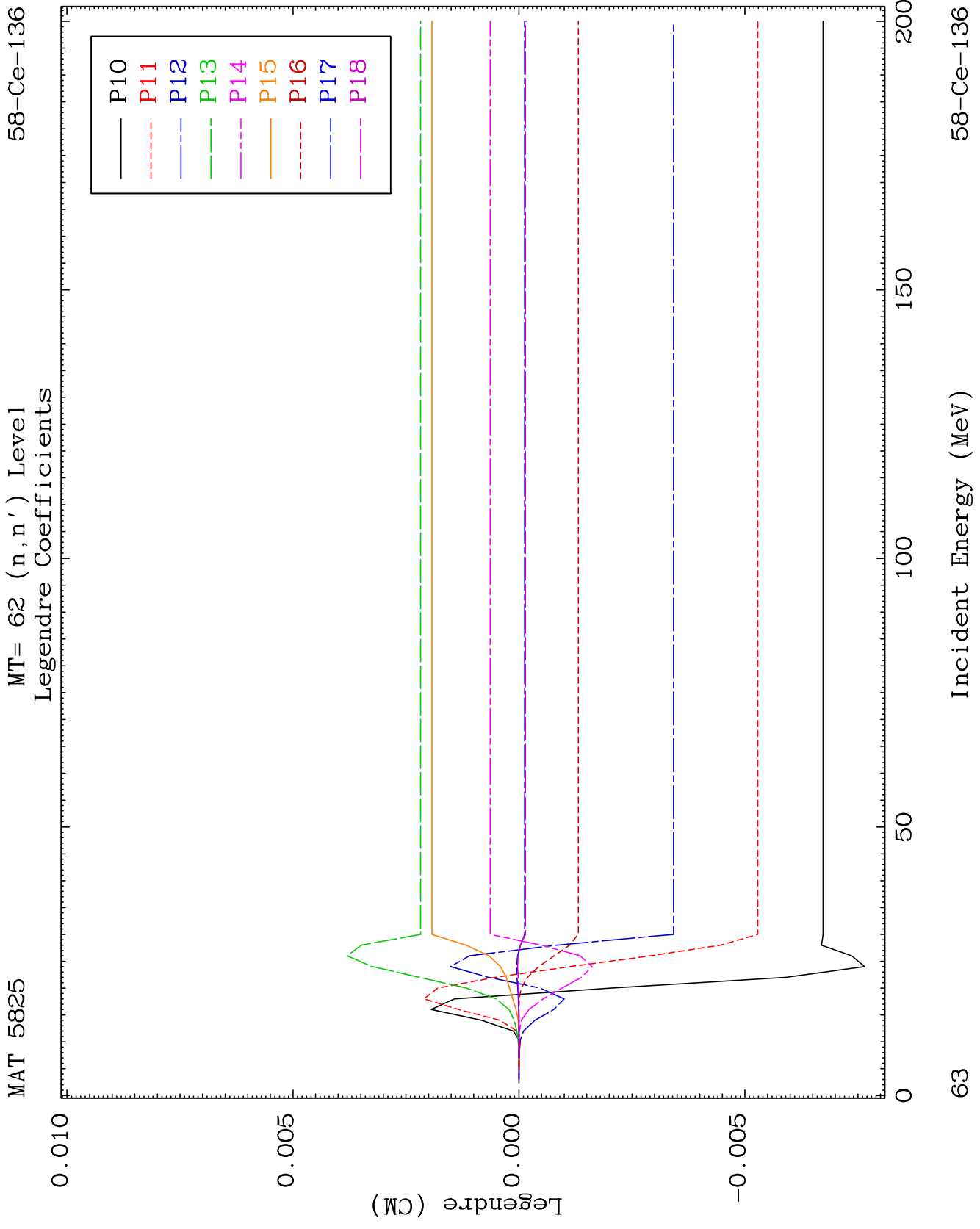
58-Ce-136



62

Incident Energy (MeV)

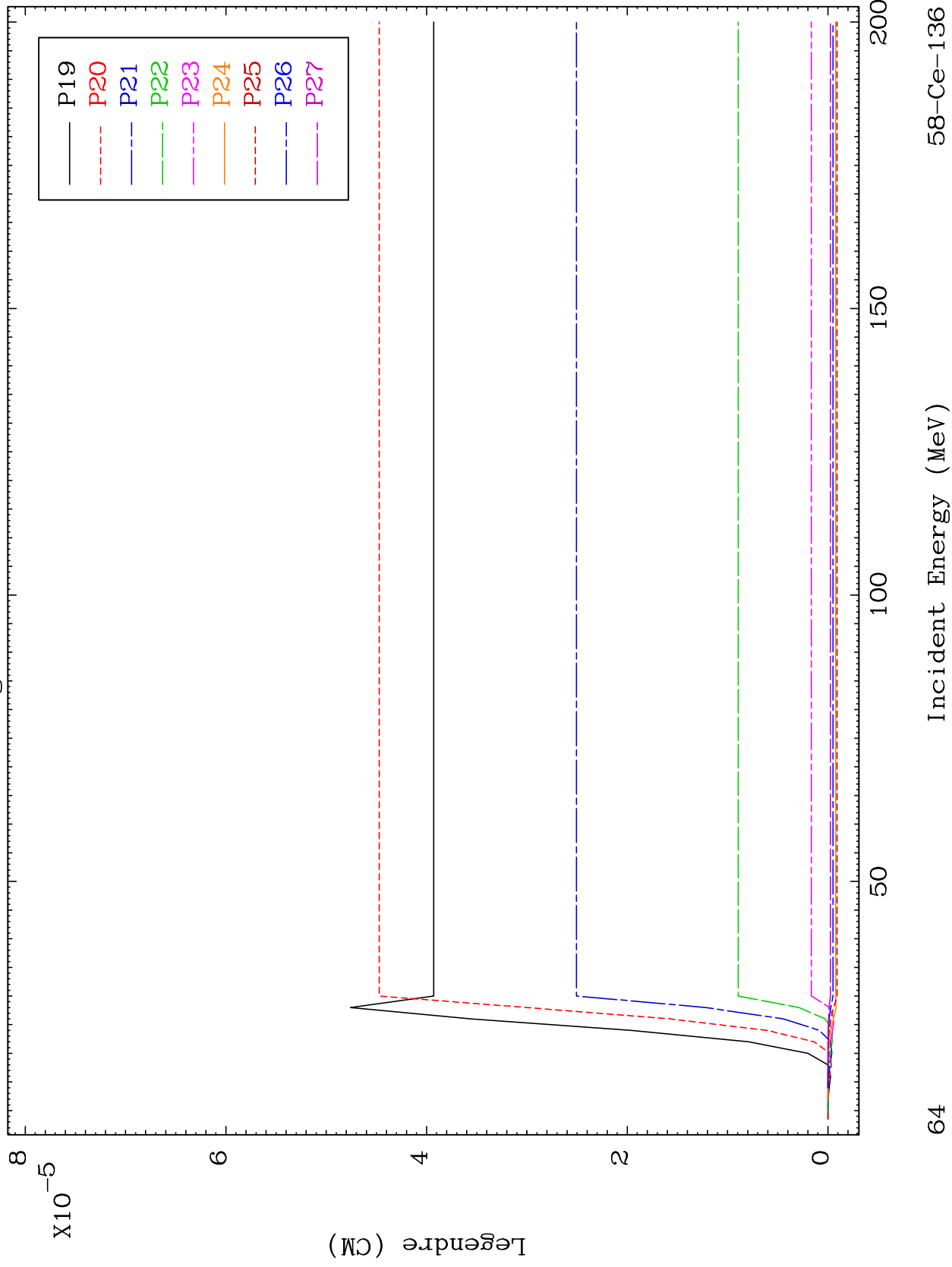
58-Ce-136



MAT 5825

MT= 62 (n,n') Level
Legendre Coefficients

58-Ce-136

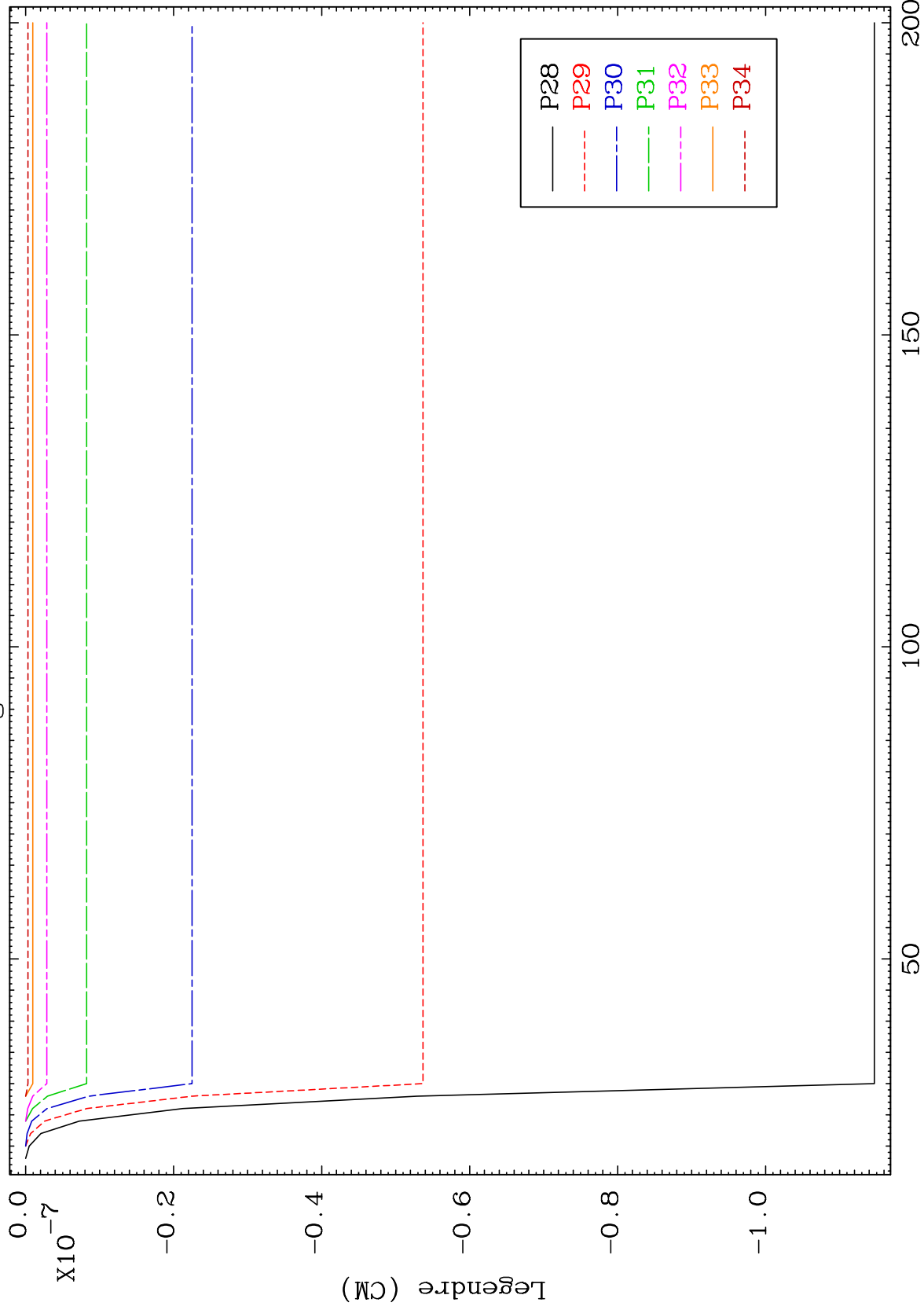


MAT 5825

MT= 62 (n,n') Level

58-Ce-136

Legendre Coefficients



58-Ce-136

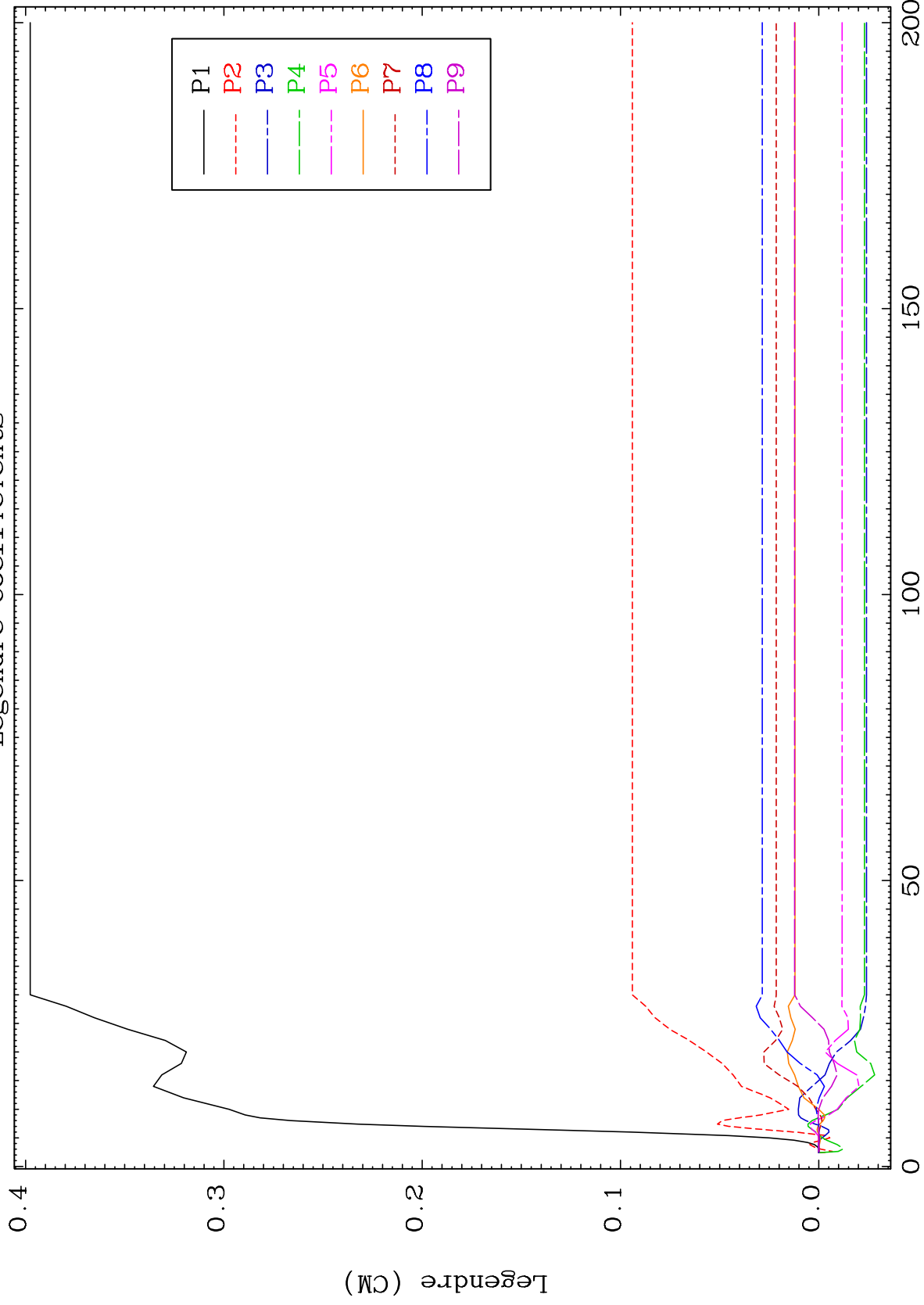
Incident Energy (MeV)

65

MAT 5825

MT= 63 (n,n') Level
Legendre Coefficients

58-Ce-136



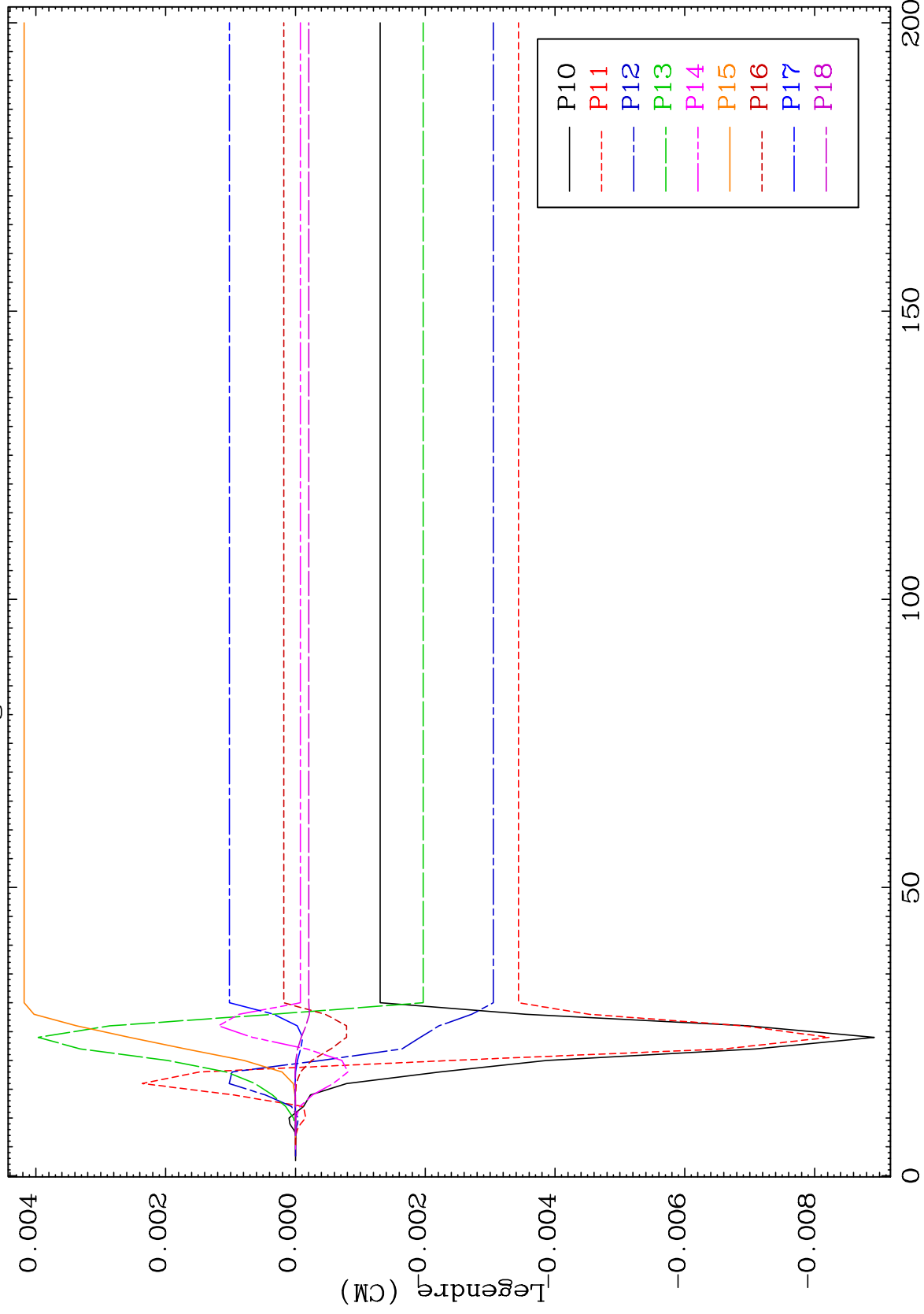
66

58-Ce-136

MAT 5825

MT= 63 (n,n') Level
Legendre Coefficients

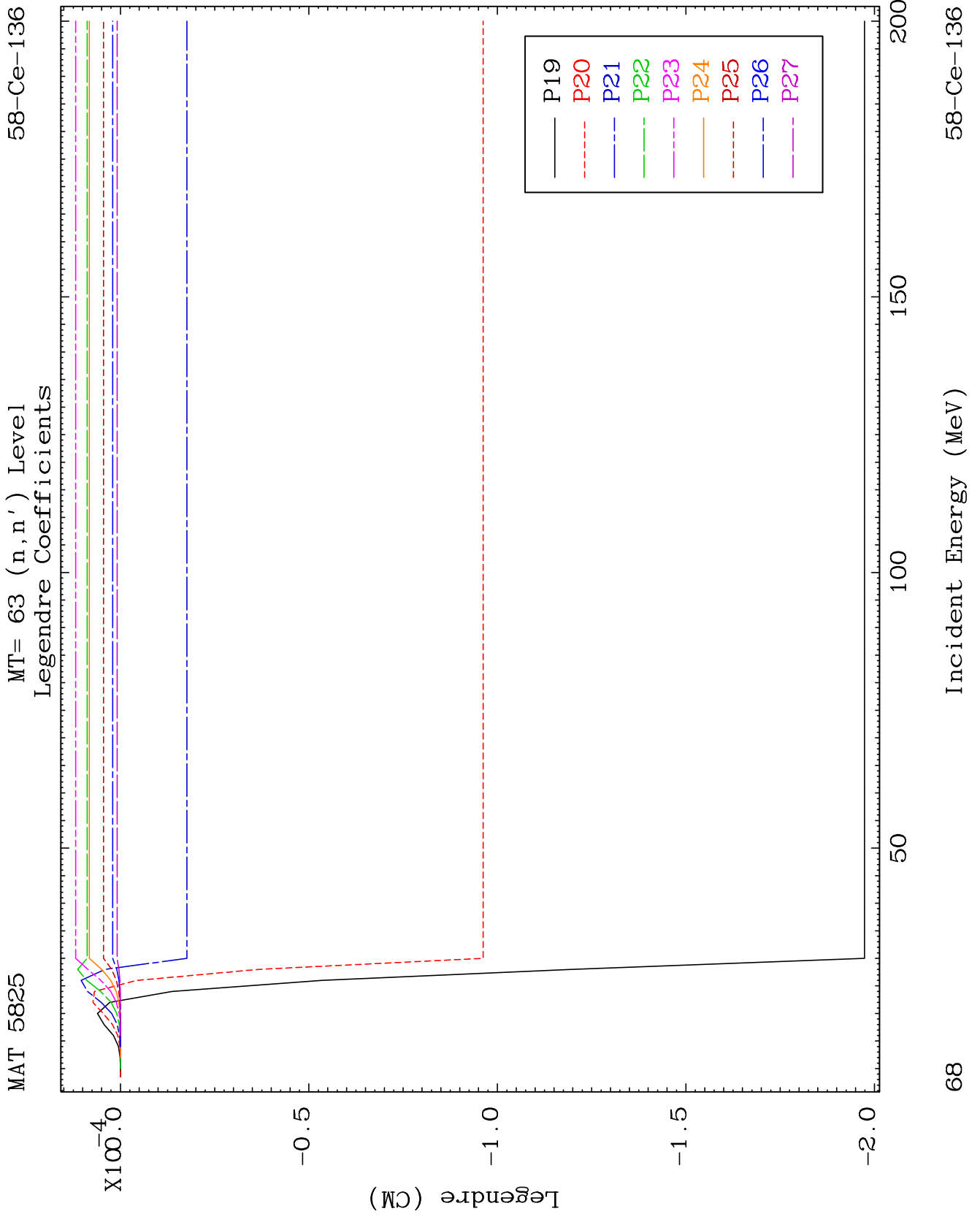
58-Ce-136



67

Incident Energy (MeV)

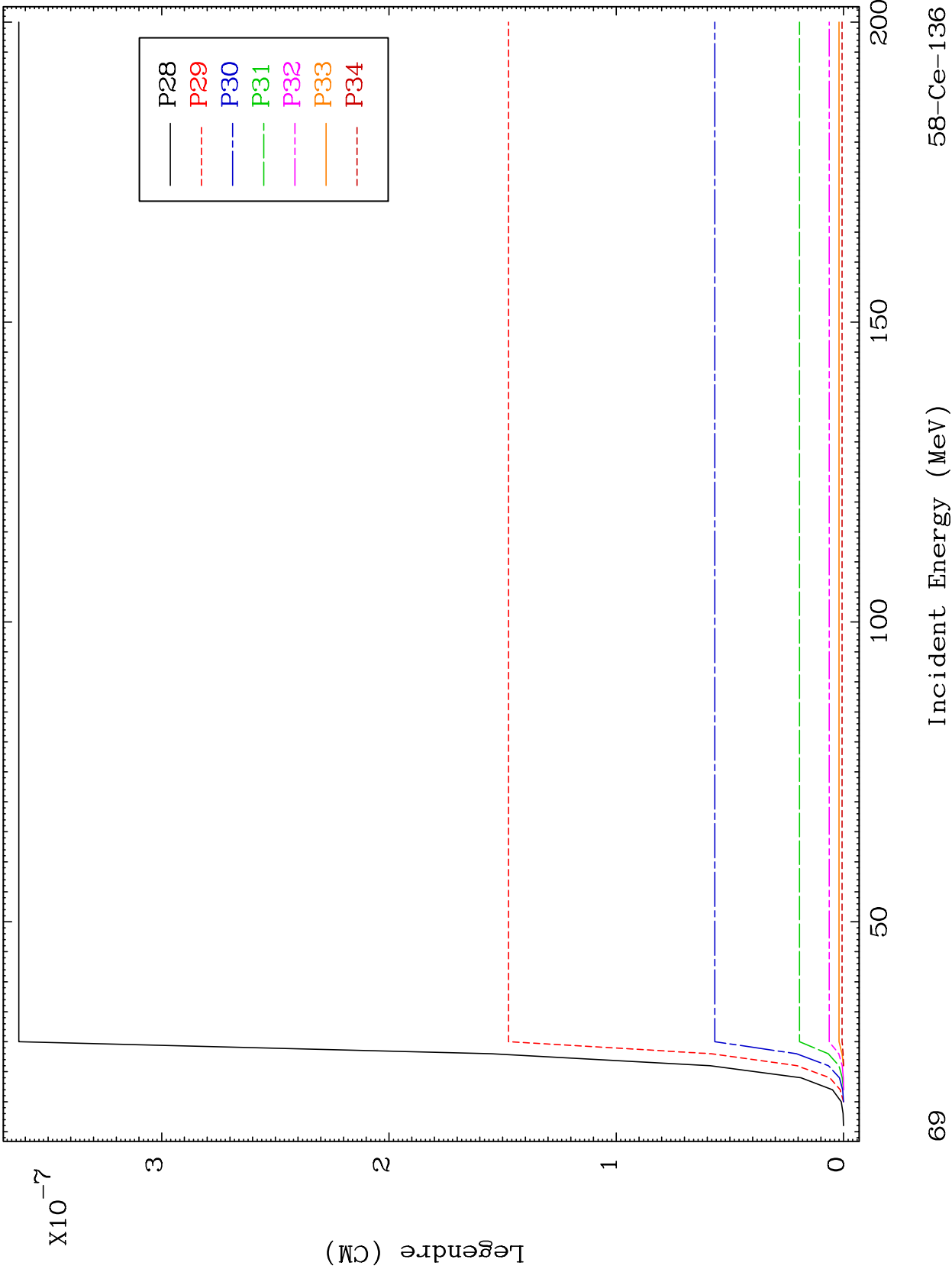
58-Ce-136



MAT 5825

MT= 63 (n,n') Level
Legendre Coefficients

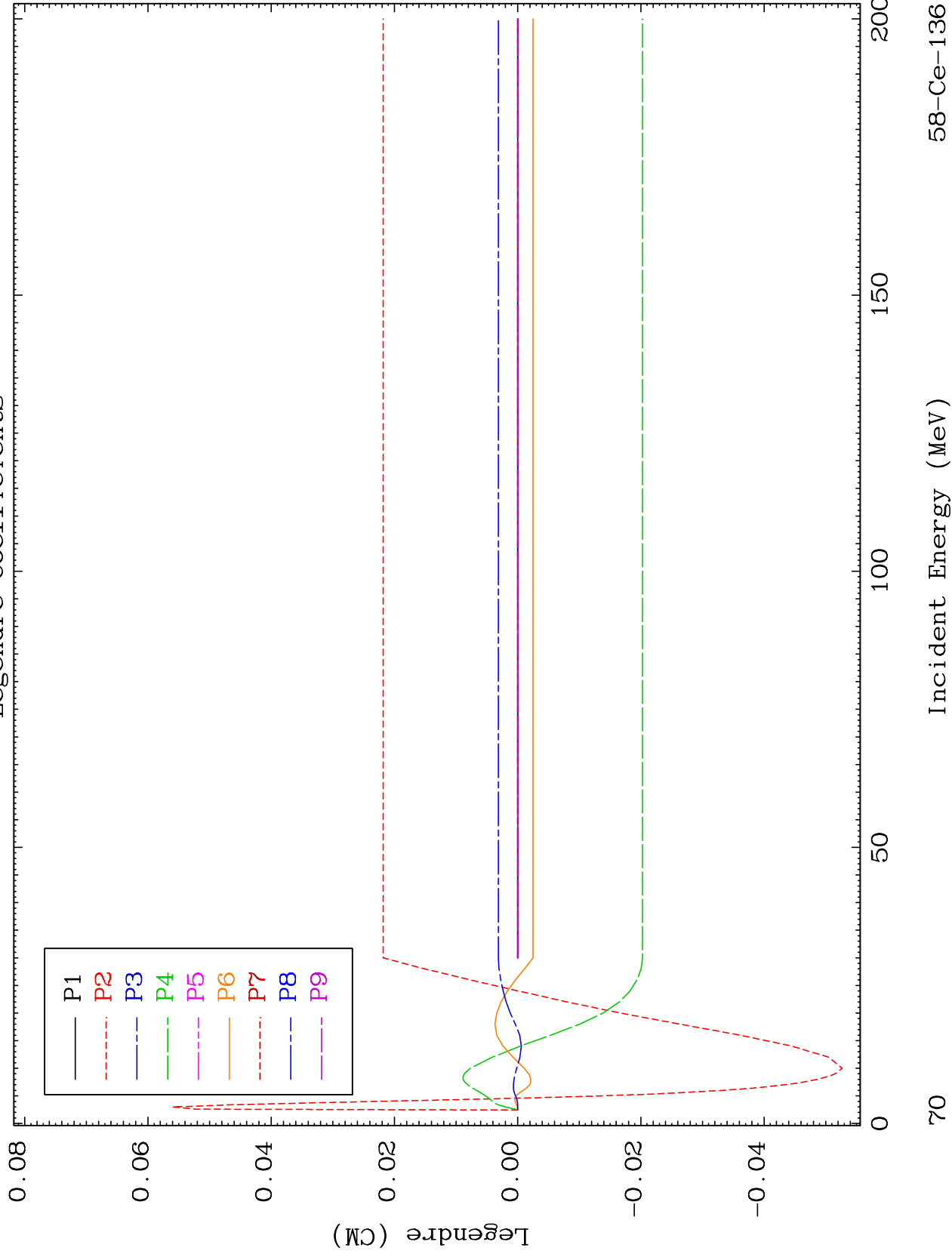
58-Ce-136



MAT 5825

MT= 64 (n,n') Level
Legendre Coefficients

58-Ce-136



58-Ce-136

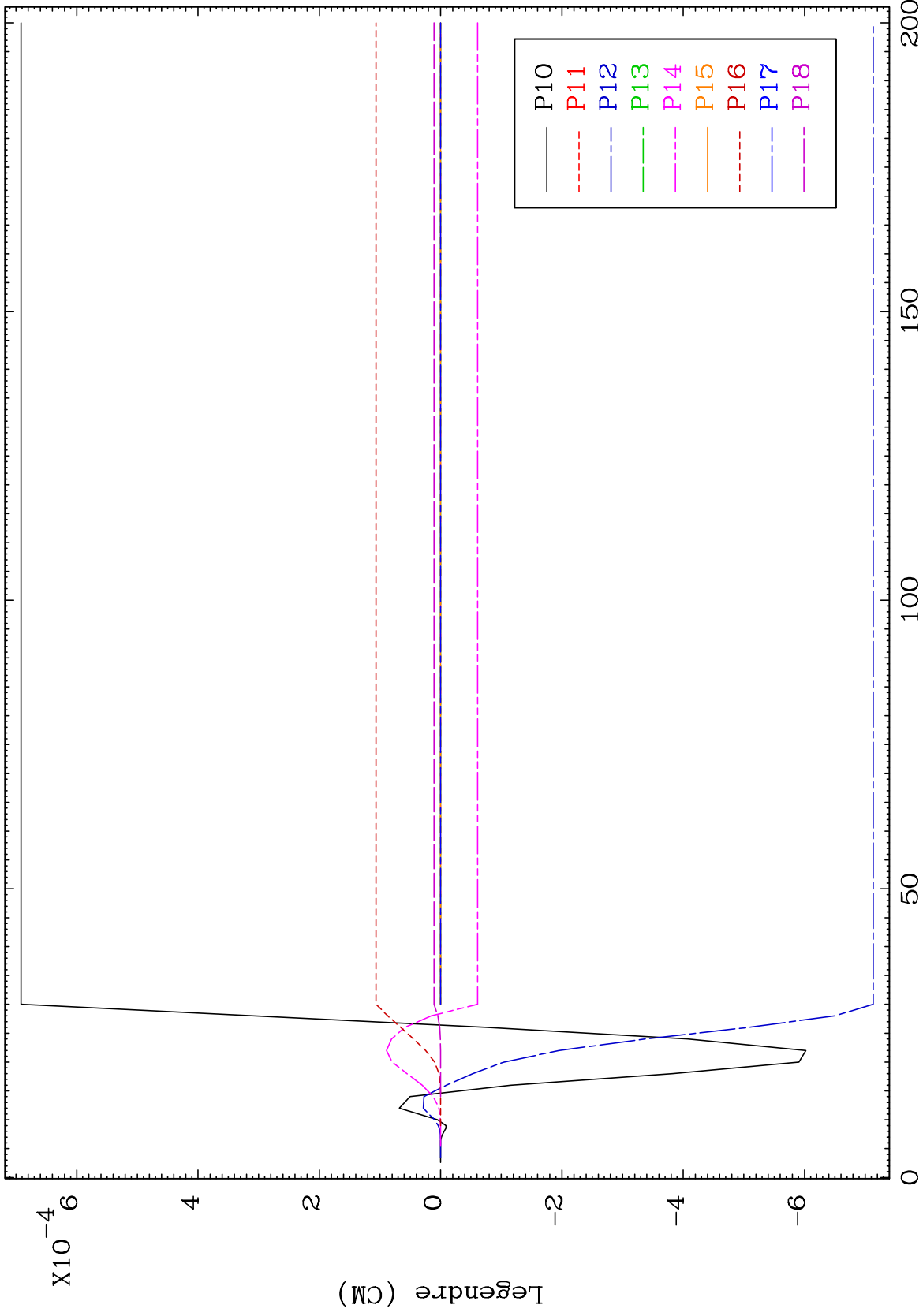
Incident Energy (MeV)

70

MAT 5825

MT= 64 (n,n') Level
Legendre Coefficients

58-Ce-136



71

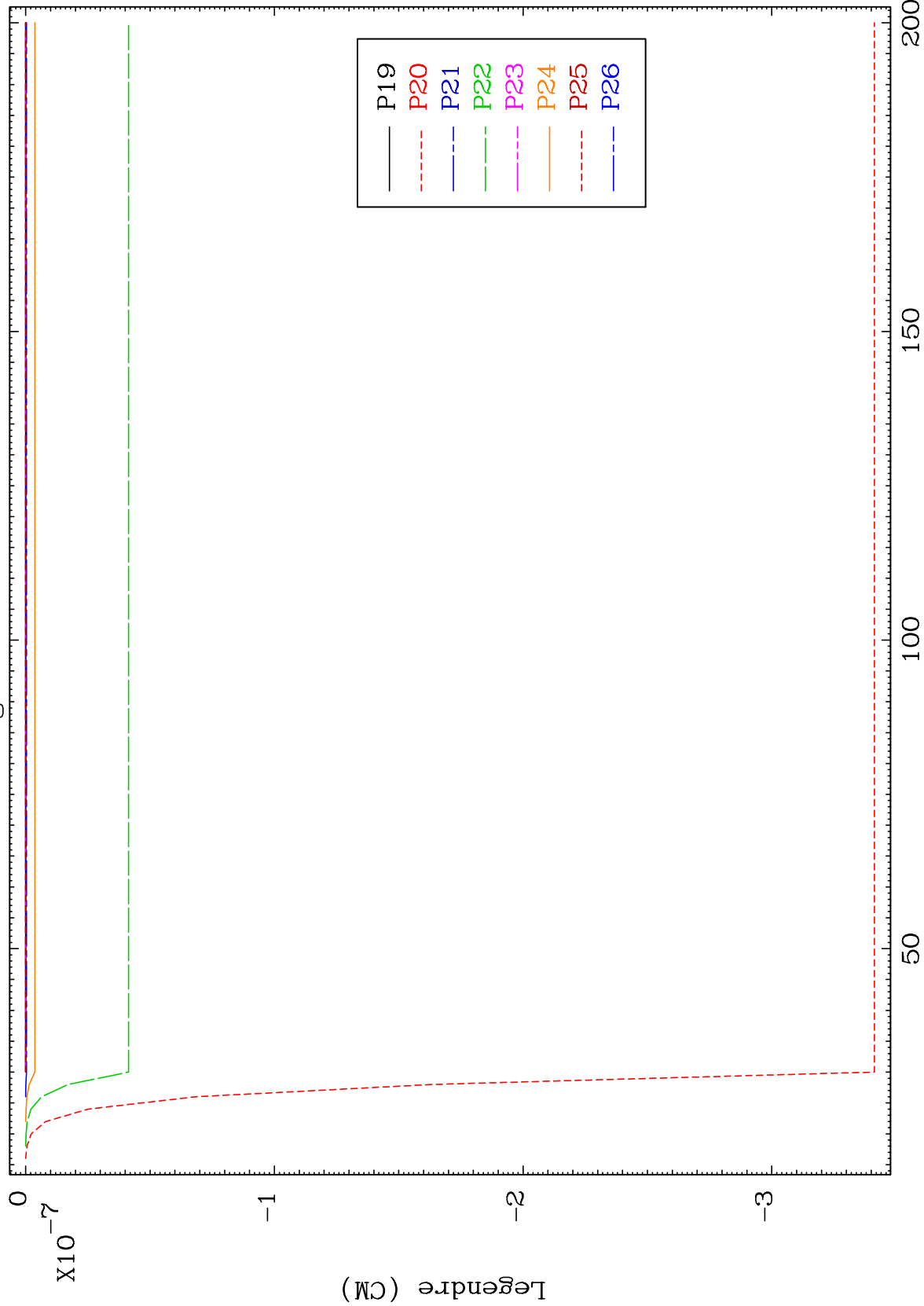
Incident Energy (MeV)

58-Ce-136

MAT 5825

MT= 64 (n,n') Level
Legendre Coefficients

58-Ce-136



58-Ce-136

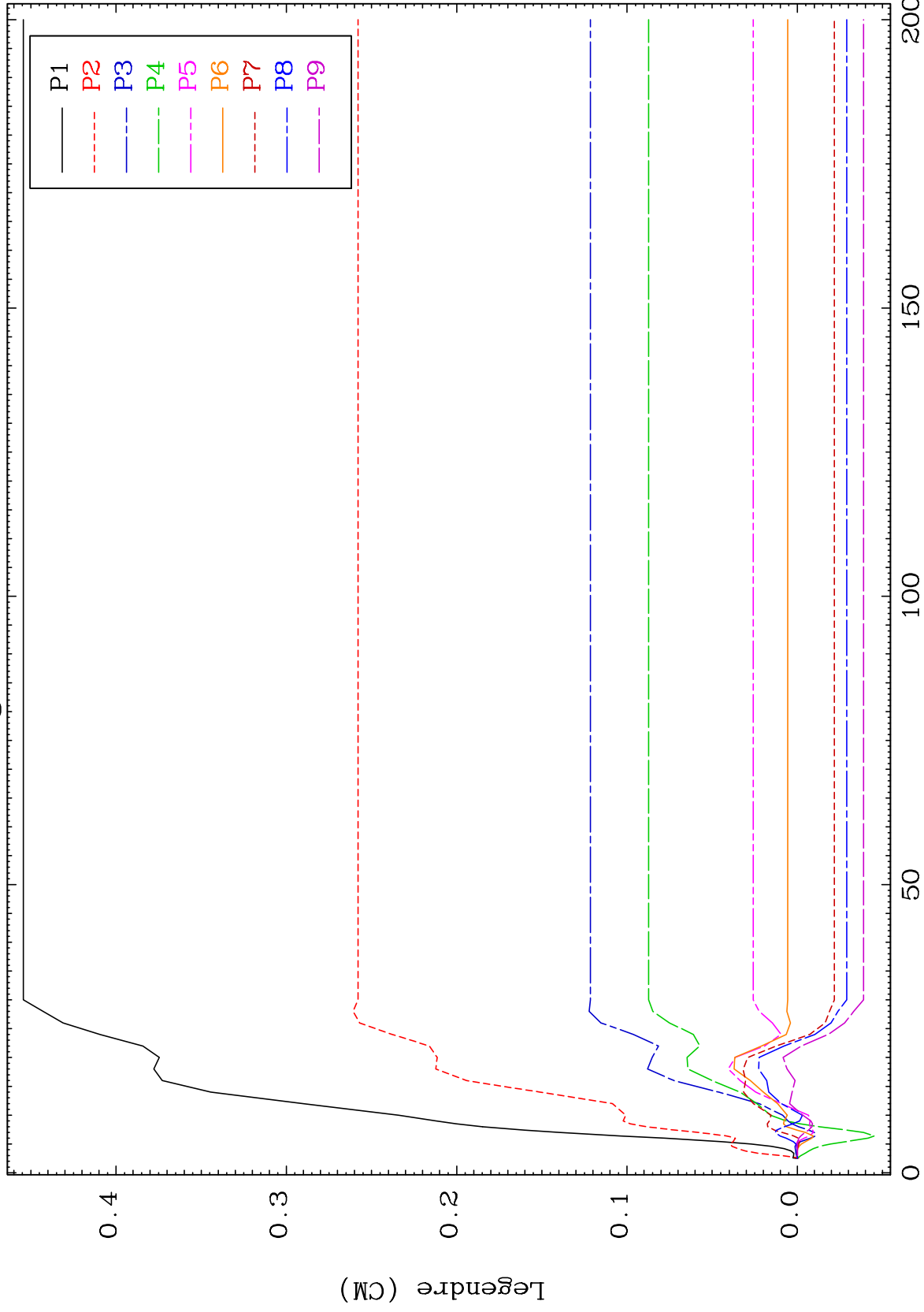
Incident Energy (MeV)

72

MAT 5825

MT= 65 (n,n') Level
Legendre Coefficients

58-Ce-136



73

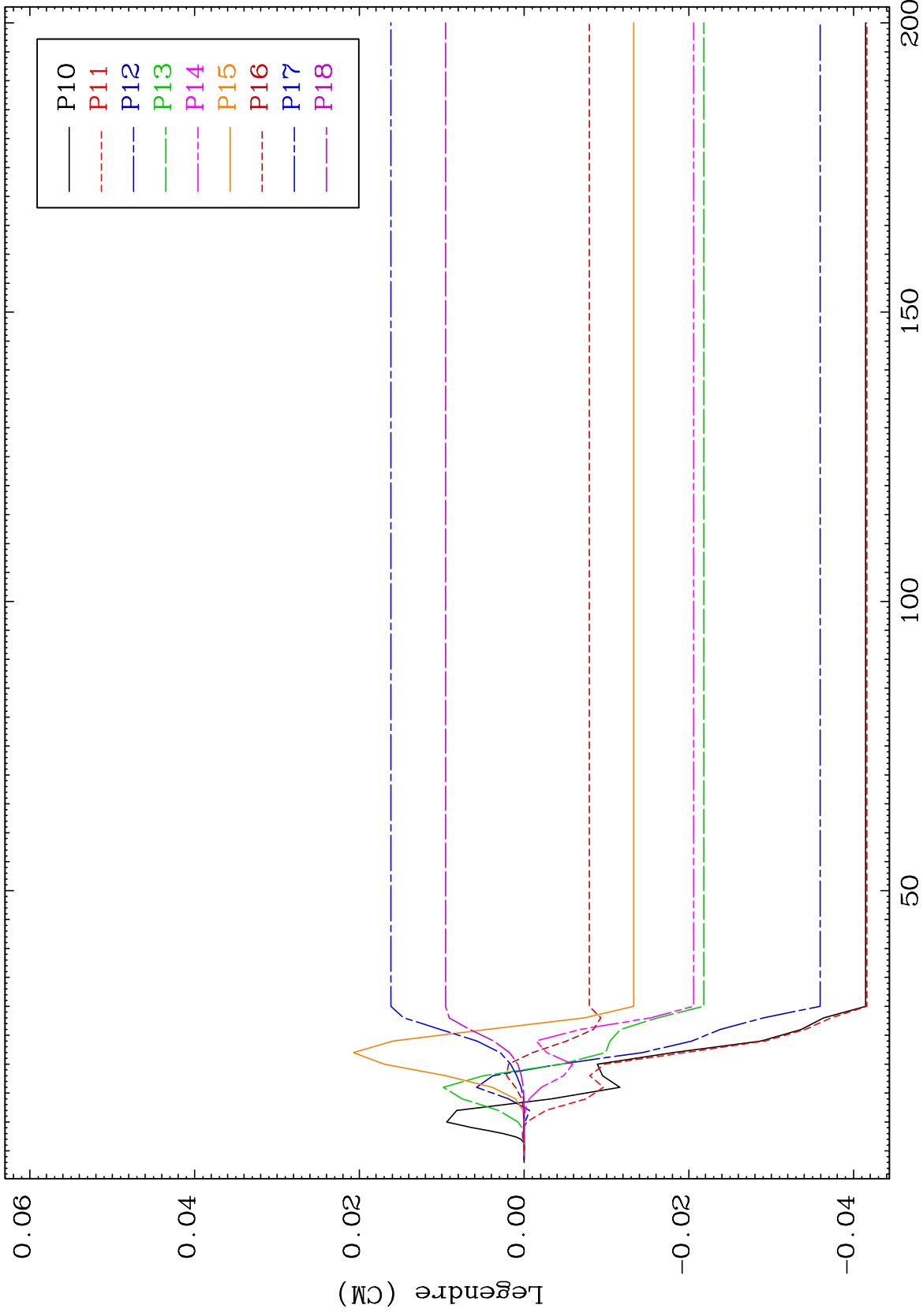
Incident Energy (MeV)

58-Ce-136

MAT 5825

MT= 65 (n,n') Level
Legendre Coefficients

58-Ce-136



74

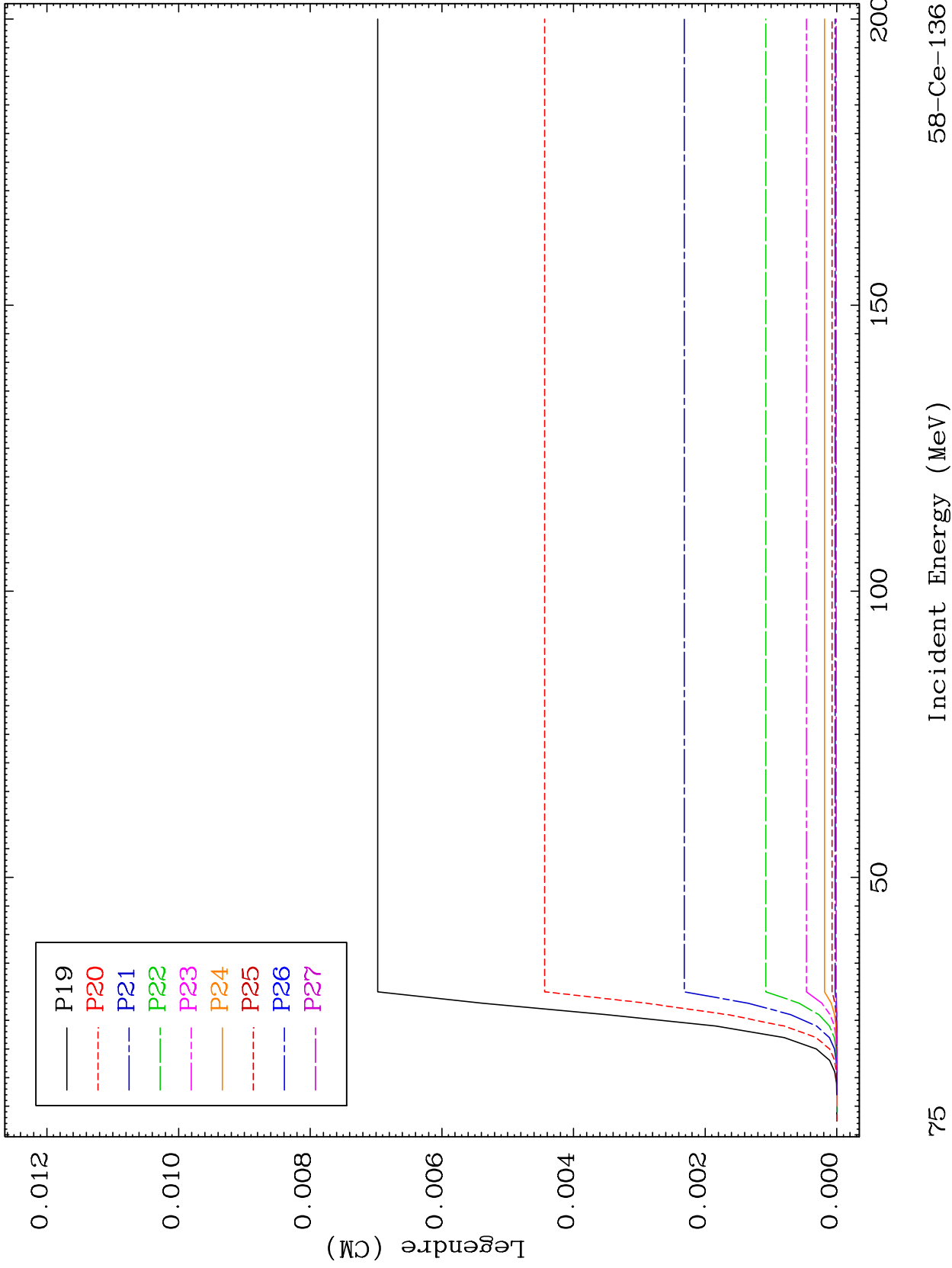
Incident Energy (MeV)

58-Ce-136

MAT 5825

MT= 65 (n,n') Level
Legendre Coefficients

58-Ce-136



75

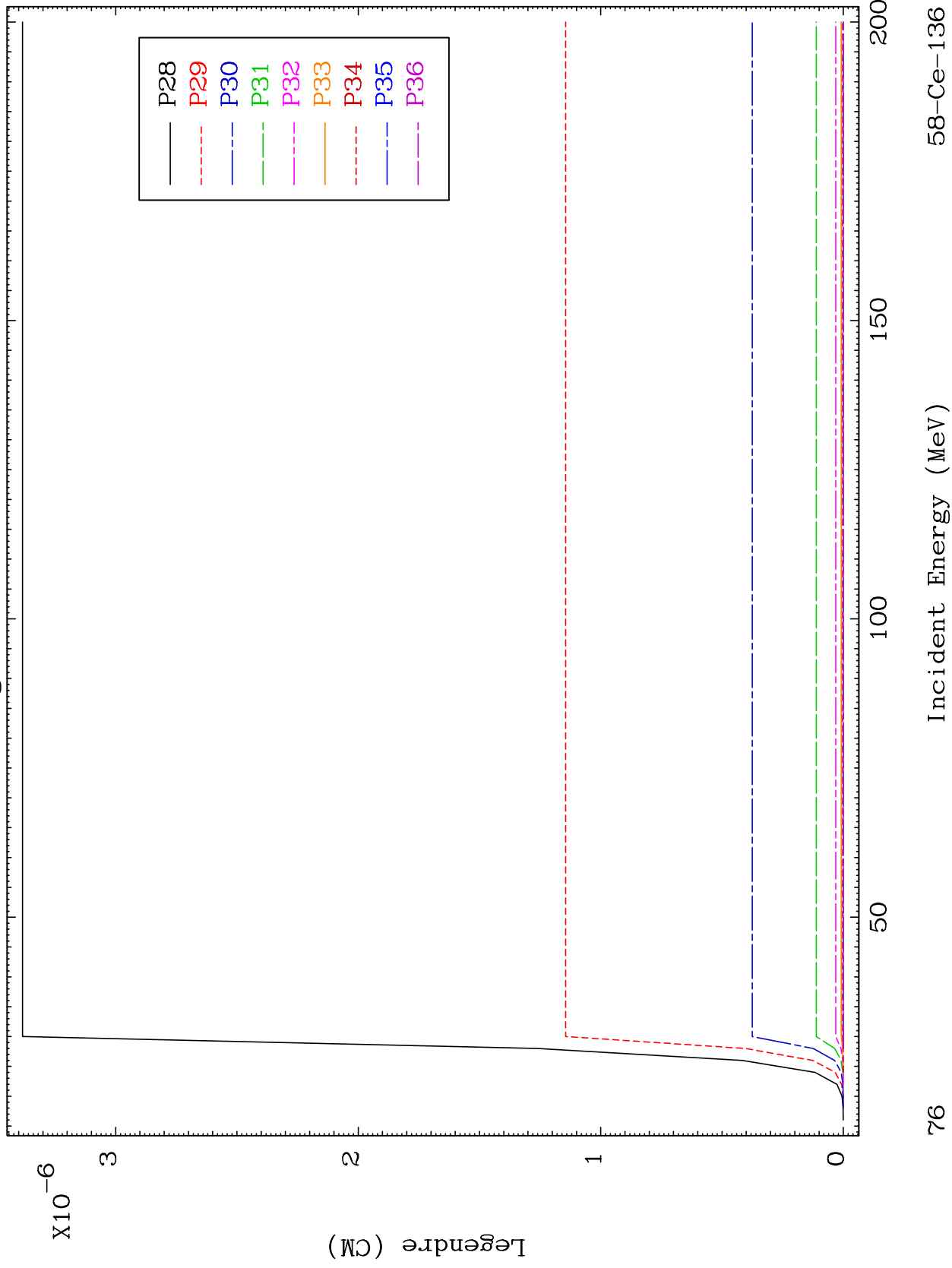
Incident Energy (MeV)

58-Ce-136

MAT 5825

MT= 65 (n,n') Level
Legendre Coefficients

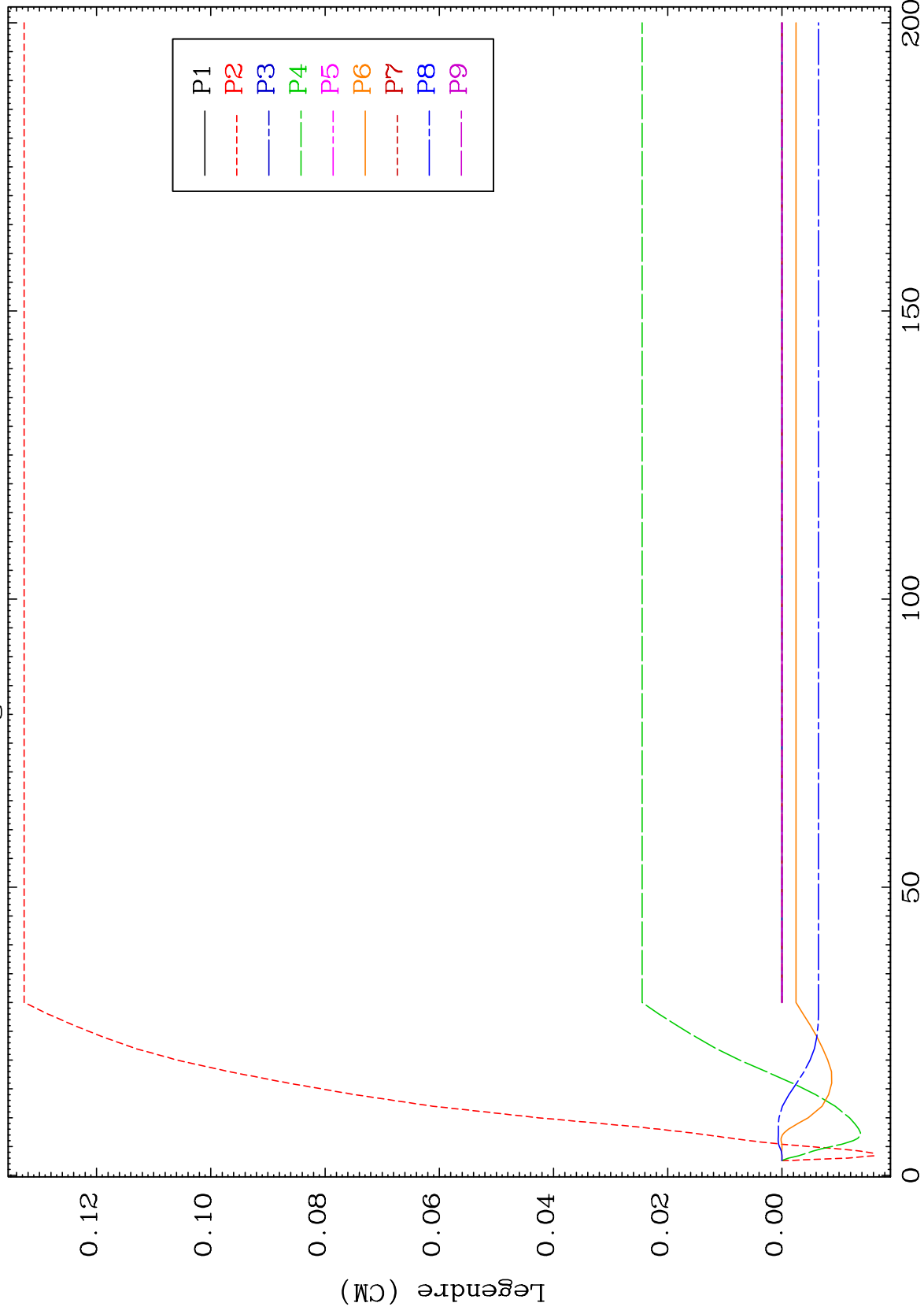
58-Ce-136



MAT 5825

MT= 66 (n,n') Level
Legendre Coefficients

58-Ce-136



77

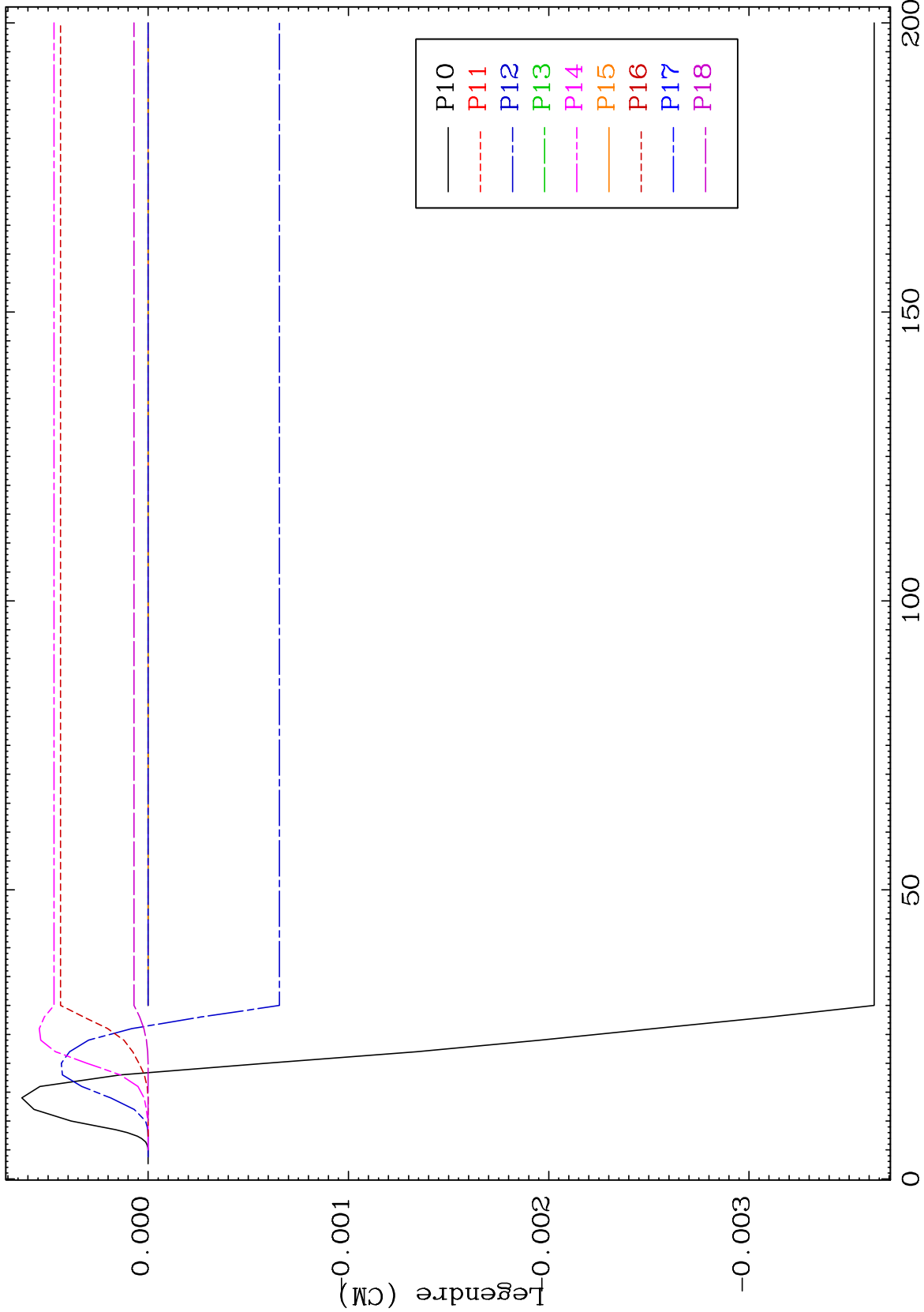
Incident Energy (MeV)

58-Ce-136

MAT 5825

MT= 66 (n,n') Level
Legendre Coefficients

58-Ce-136



78

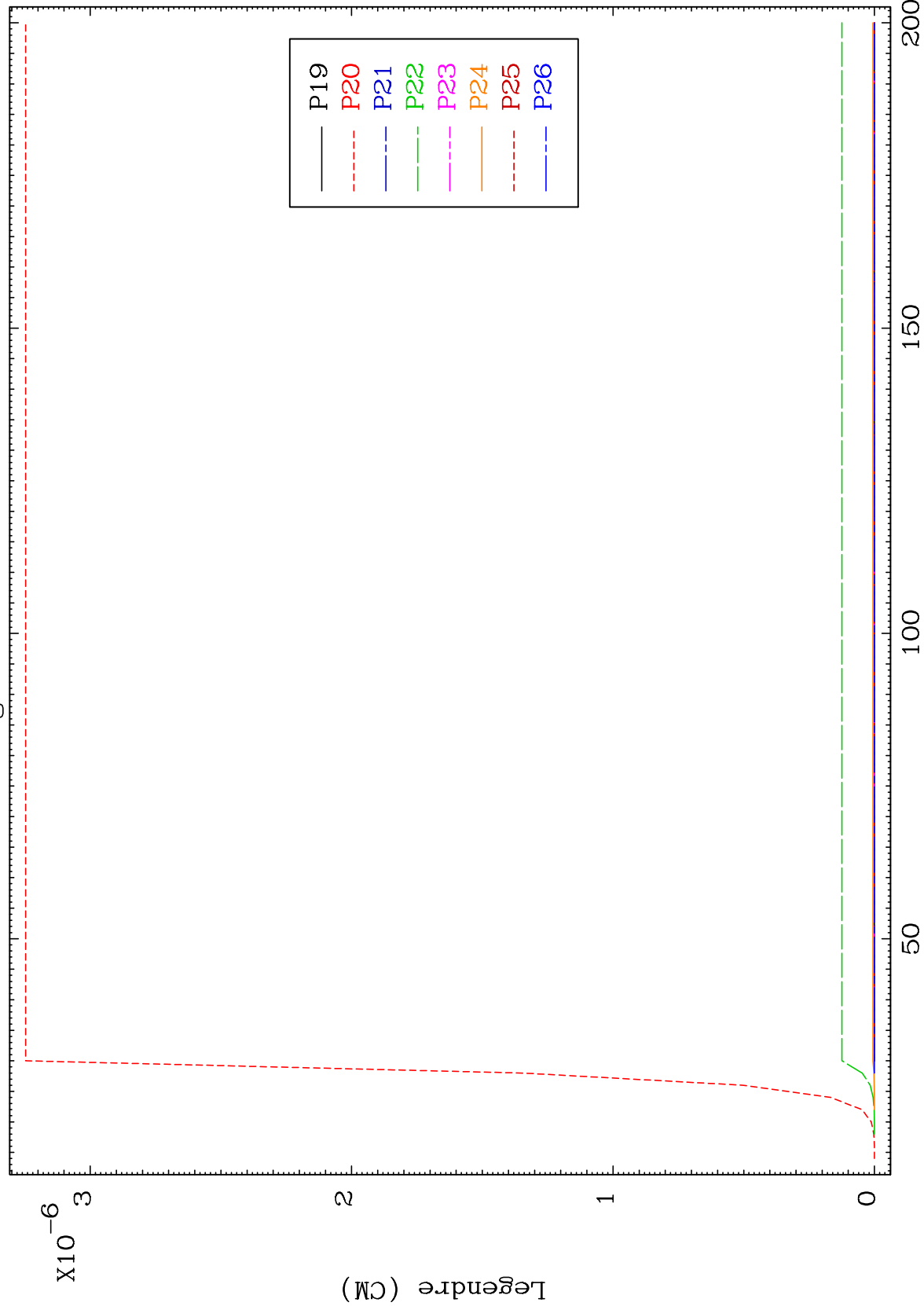
Incident Energy (MeV)

58-Ce-136

MAT 5825

MT= 66 (n,n') Level
Legendre Coefficients

58-Ce-136



58-Ce-136

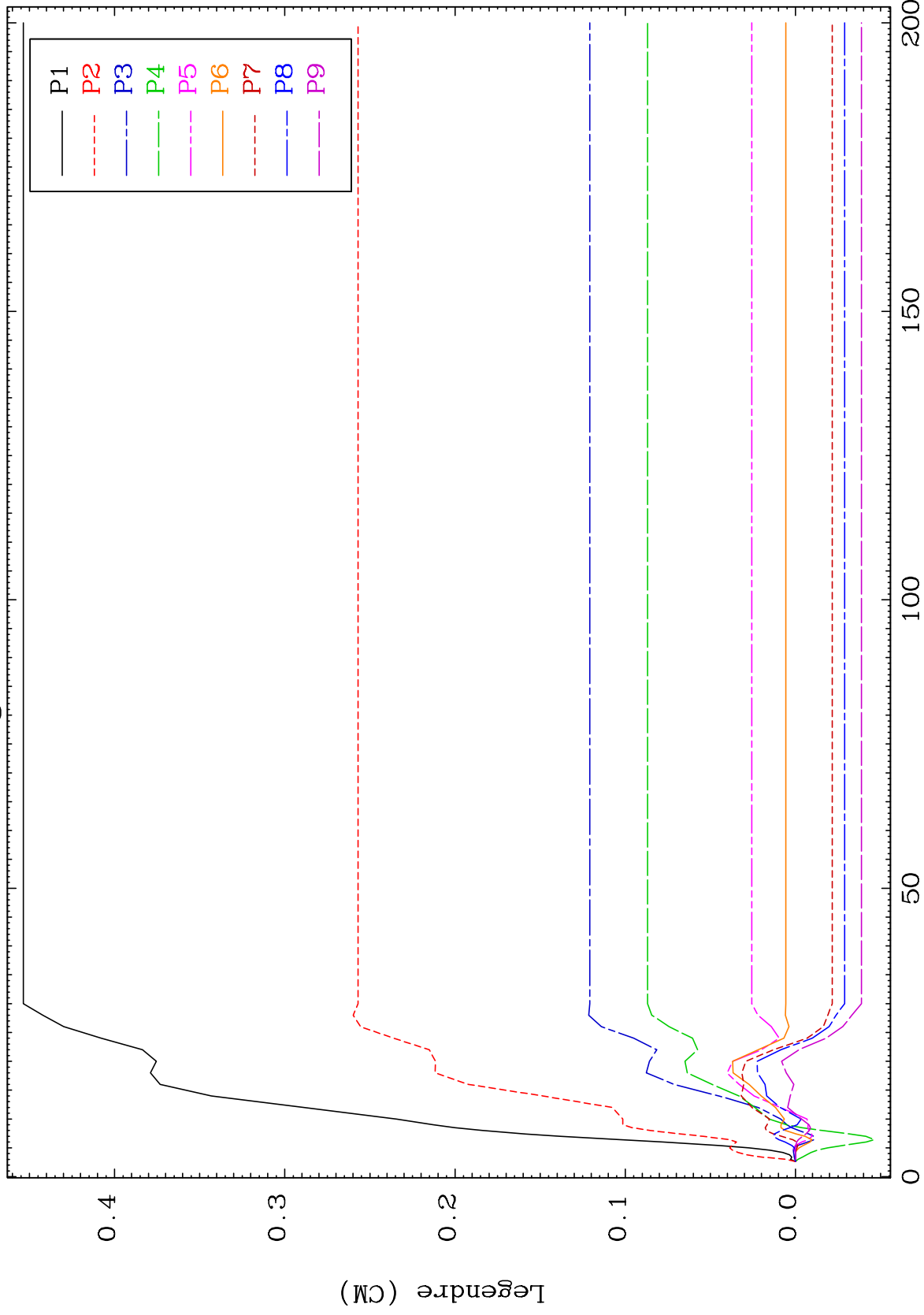
Incident Energy (MeV)

79

MAT 5825

MT= 67 (n,n') Level
Legendre Coefficients

58-Ce-136



58-Ce-136

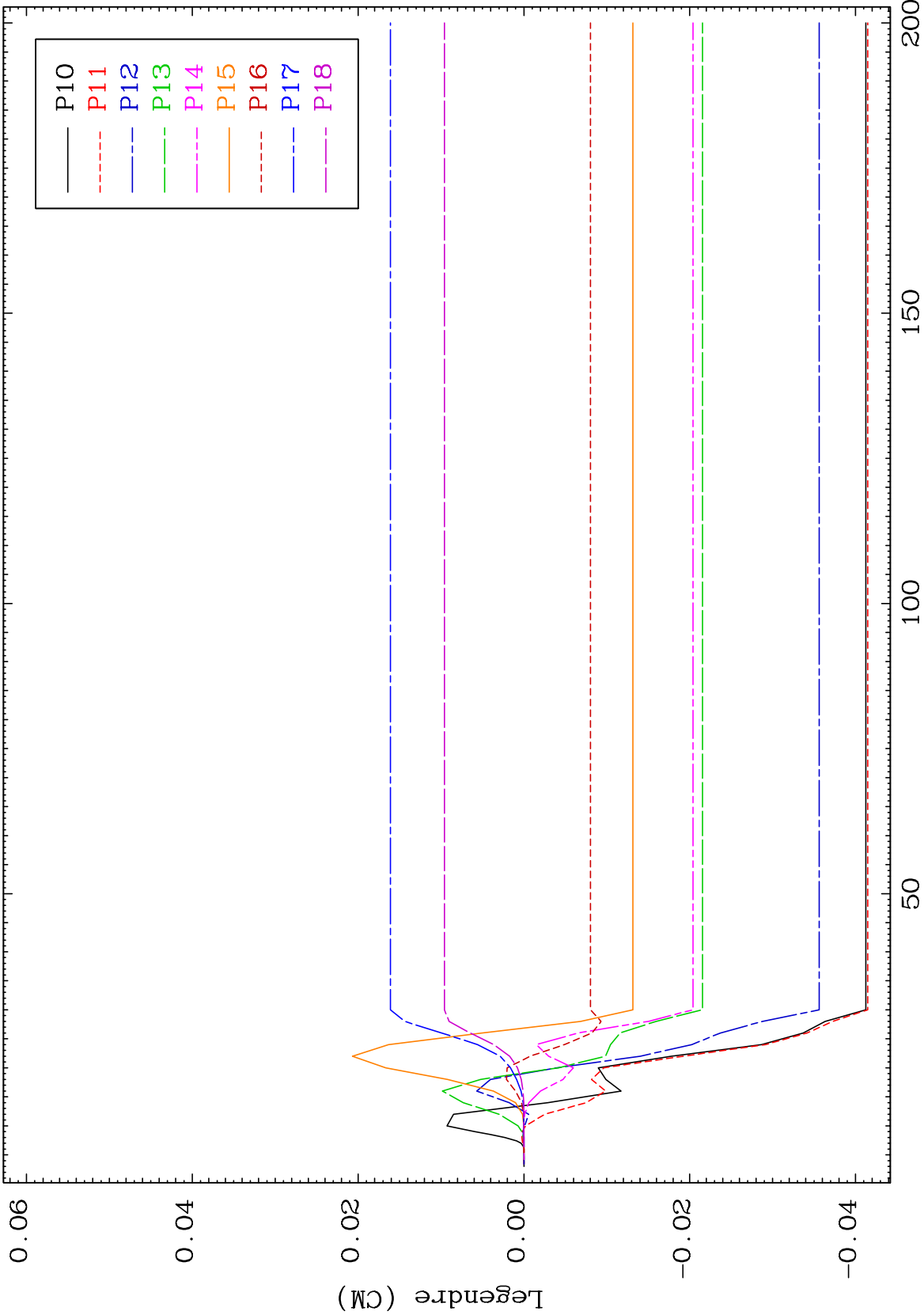
Incident Energy (MeV)

80

MAT 5825

MT= 67 (n,n') Level
Legendre Coefficients

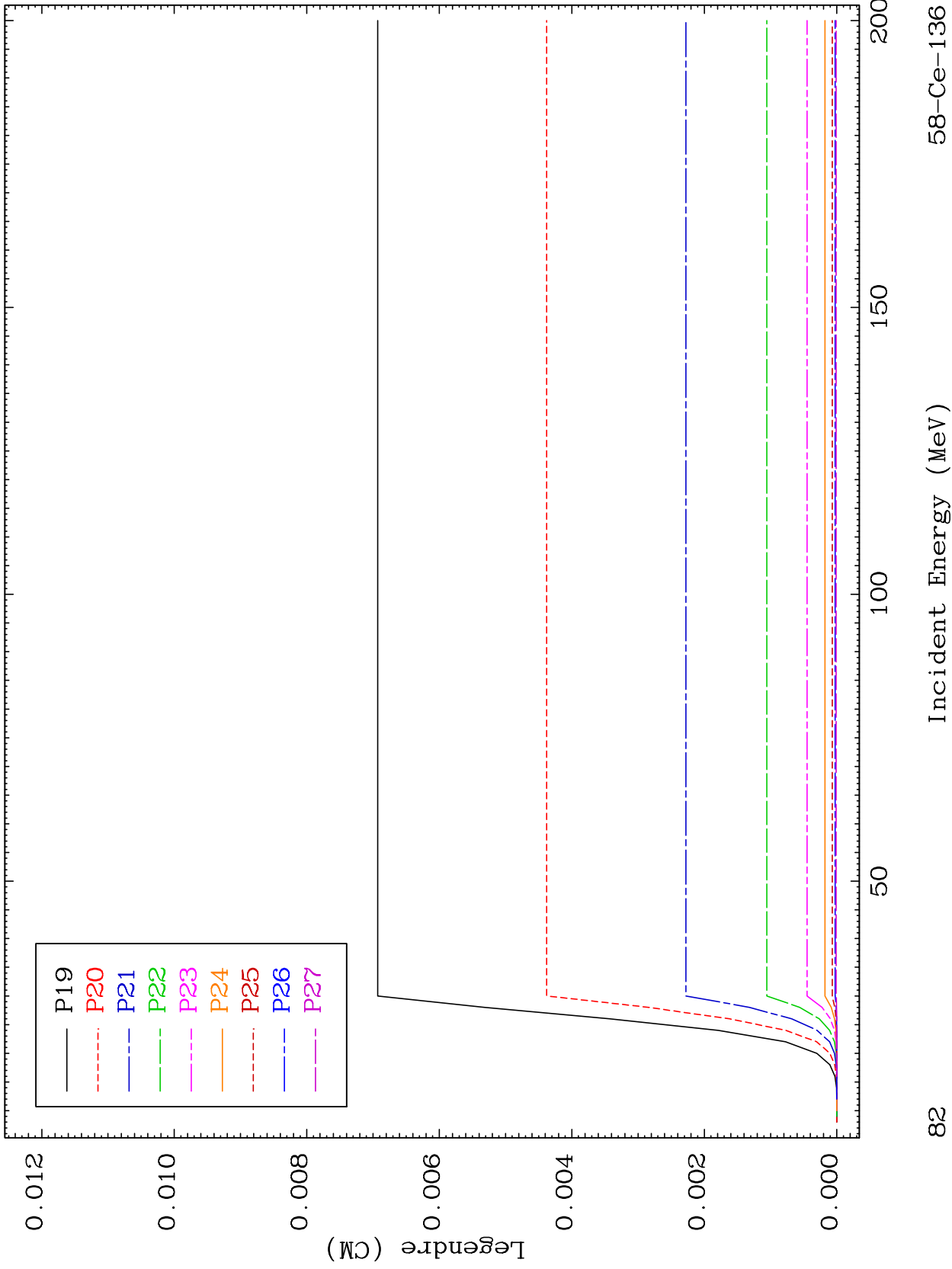
58-Ce-136



MAT 5825

MT= 67 (n,n') Level
Legendre Coefficients

58-Ce-136

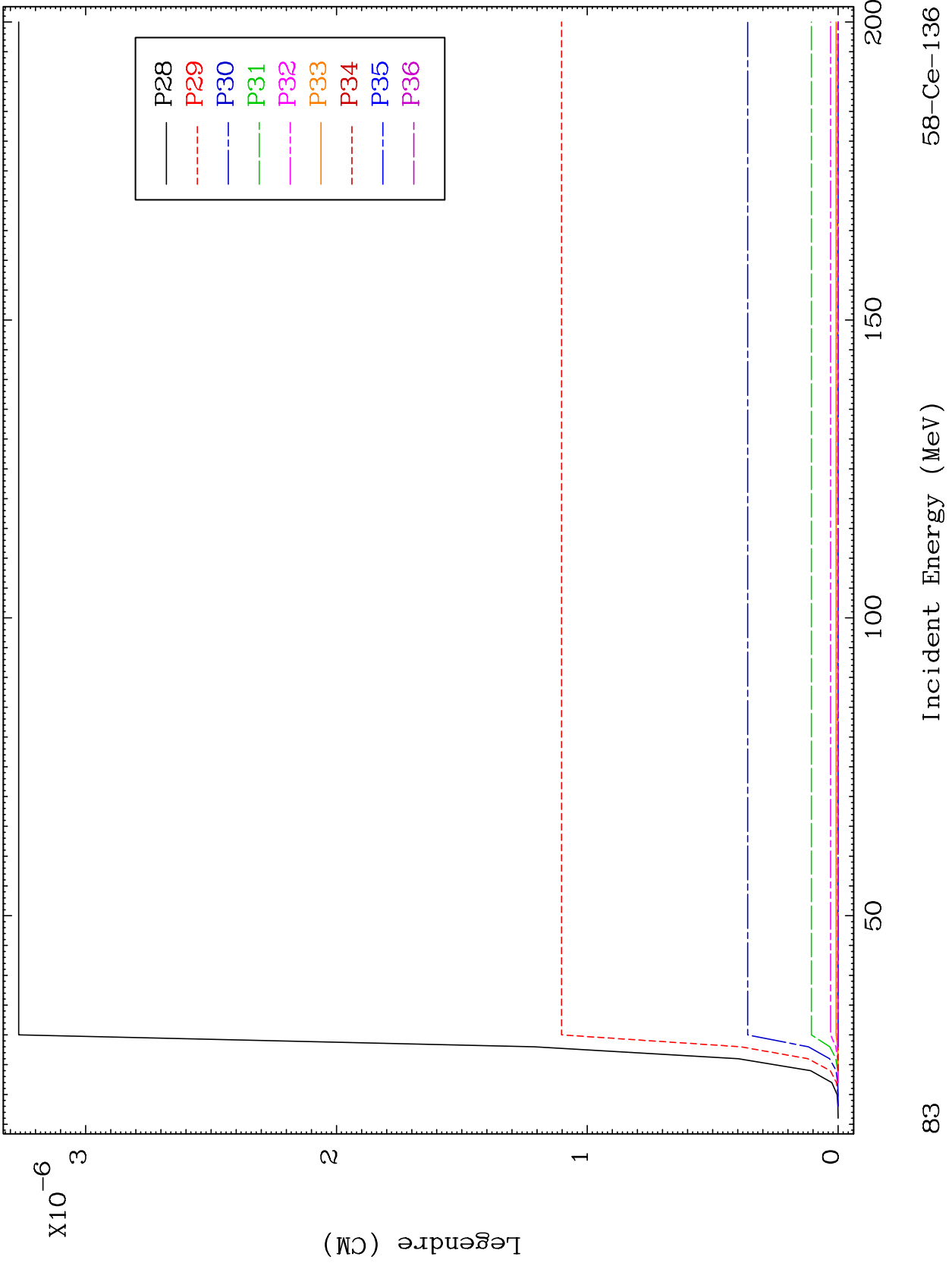


82

MAT 5825

MT= 67 (n,n') Level
Legendre Coefficients

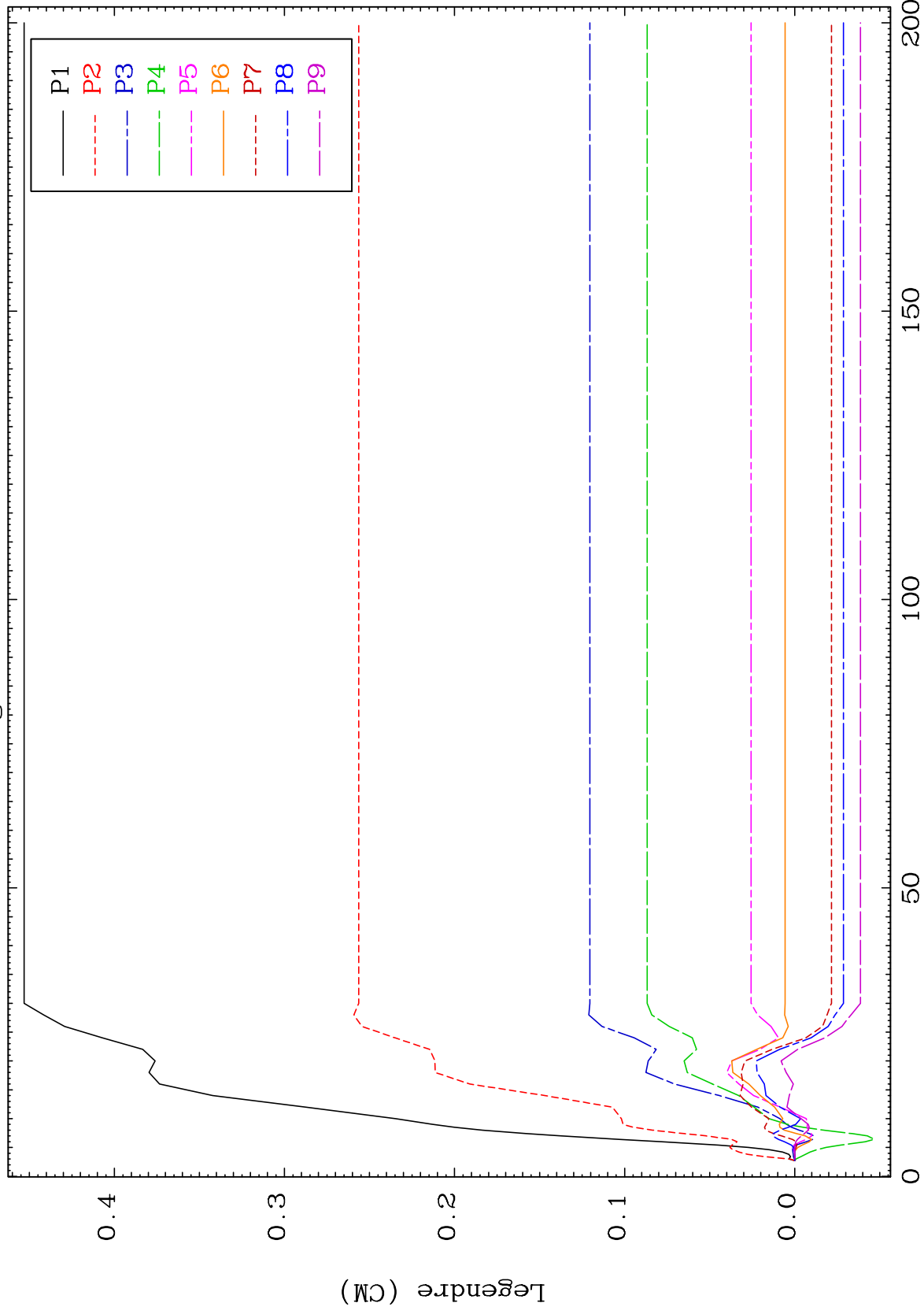
58-Ce-136



MAT 5825

MT= 68 (n,n') Level
Legendre Coefficients

58-Ce-136



84

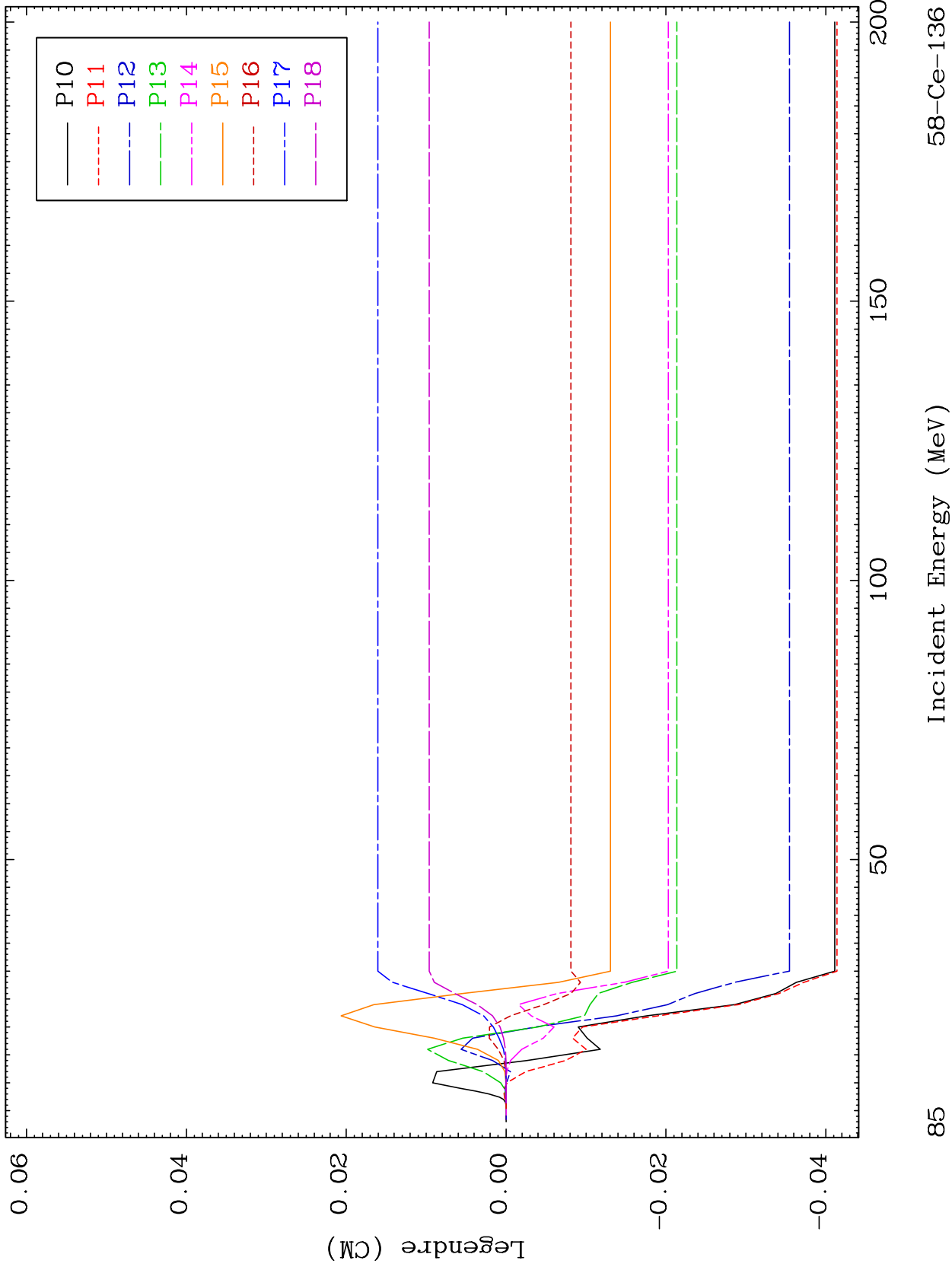
Incident Energy (MeV)

58-Ce-136

MAT 5825

MT= 68 (n,n') Level
Legendre Coefficients

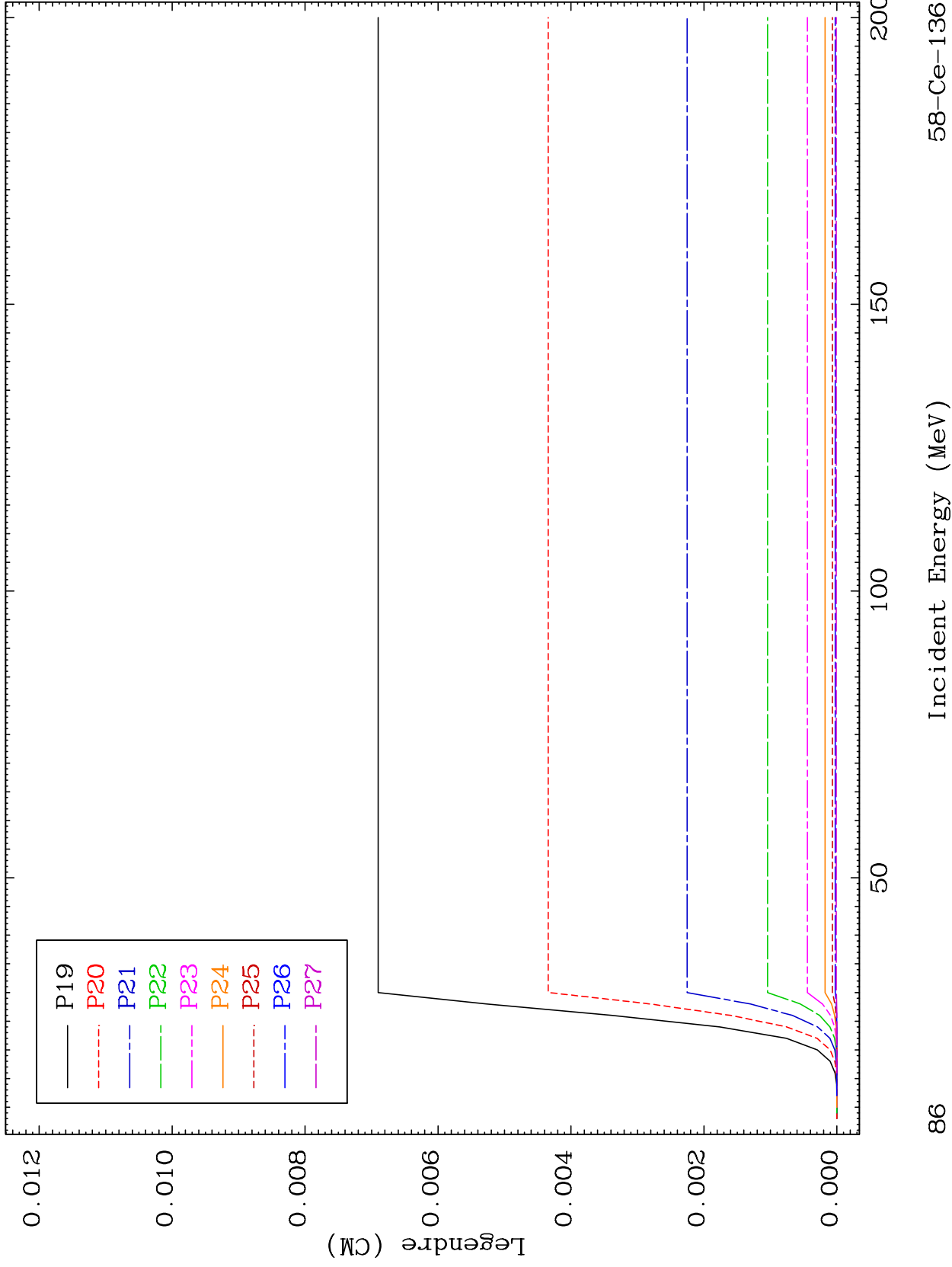
58-Ce-136



85

Incident Energy (MeV)

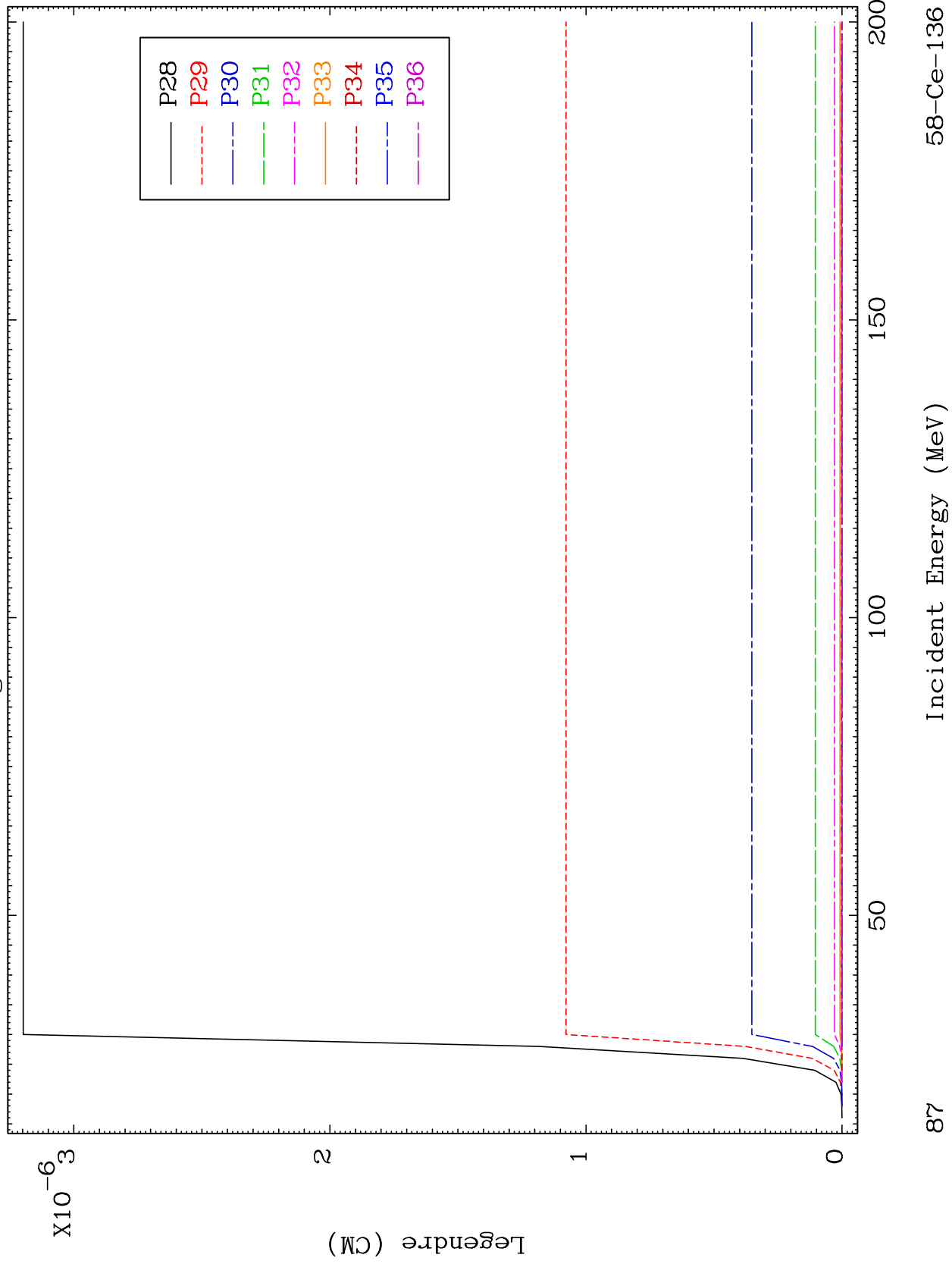
58-Ce-136



MAT 5825

MT= 68 (n,n') Level
Legendre Coefficients

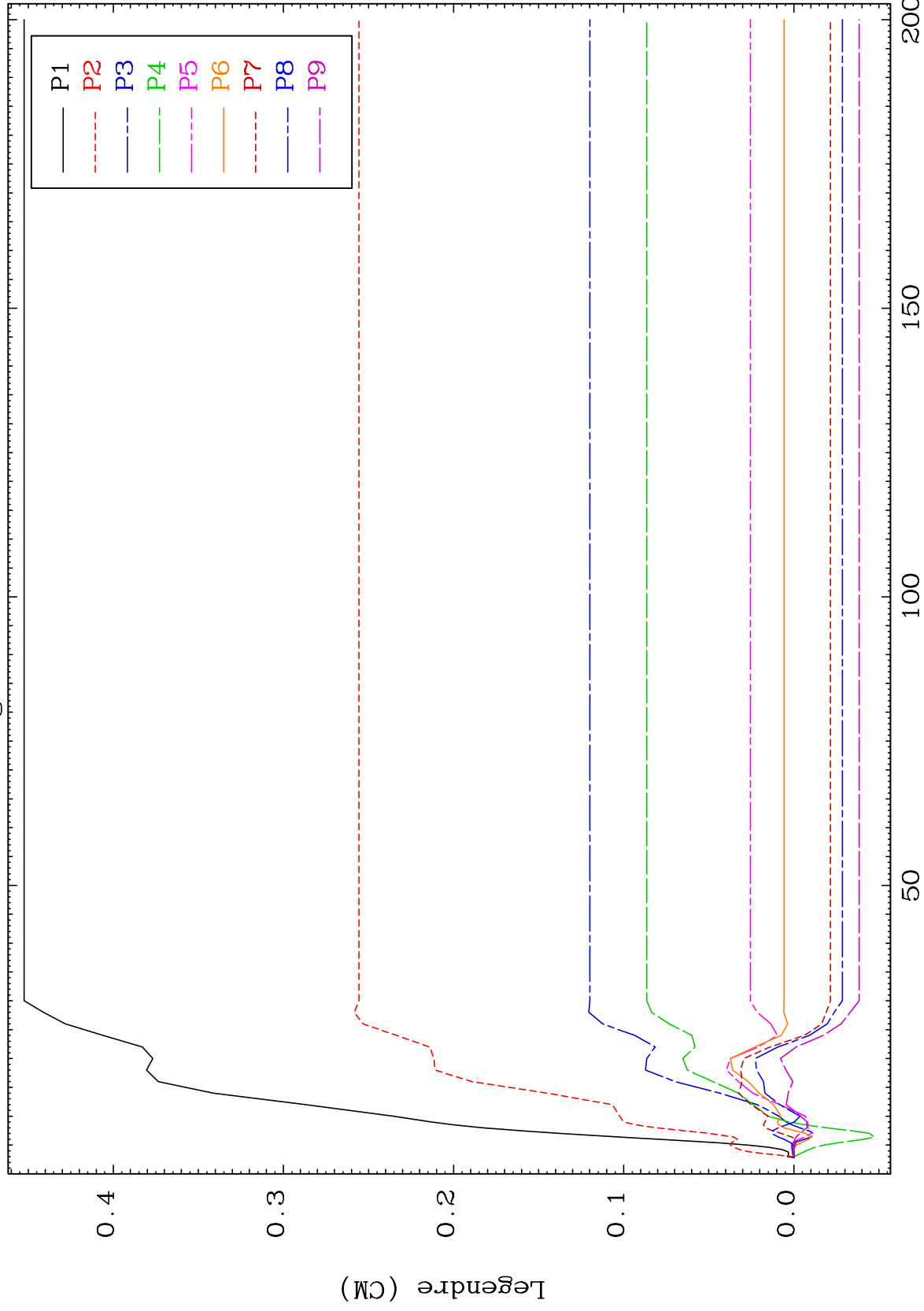
58-Ce-136



MAT 5825

MT= 69 (n,n') Level
Legendre Coefficients

58-Ce-136



88

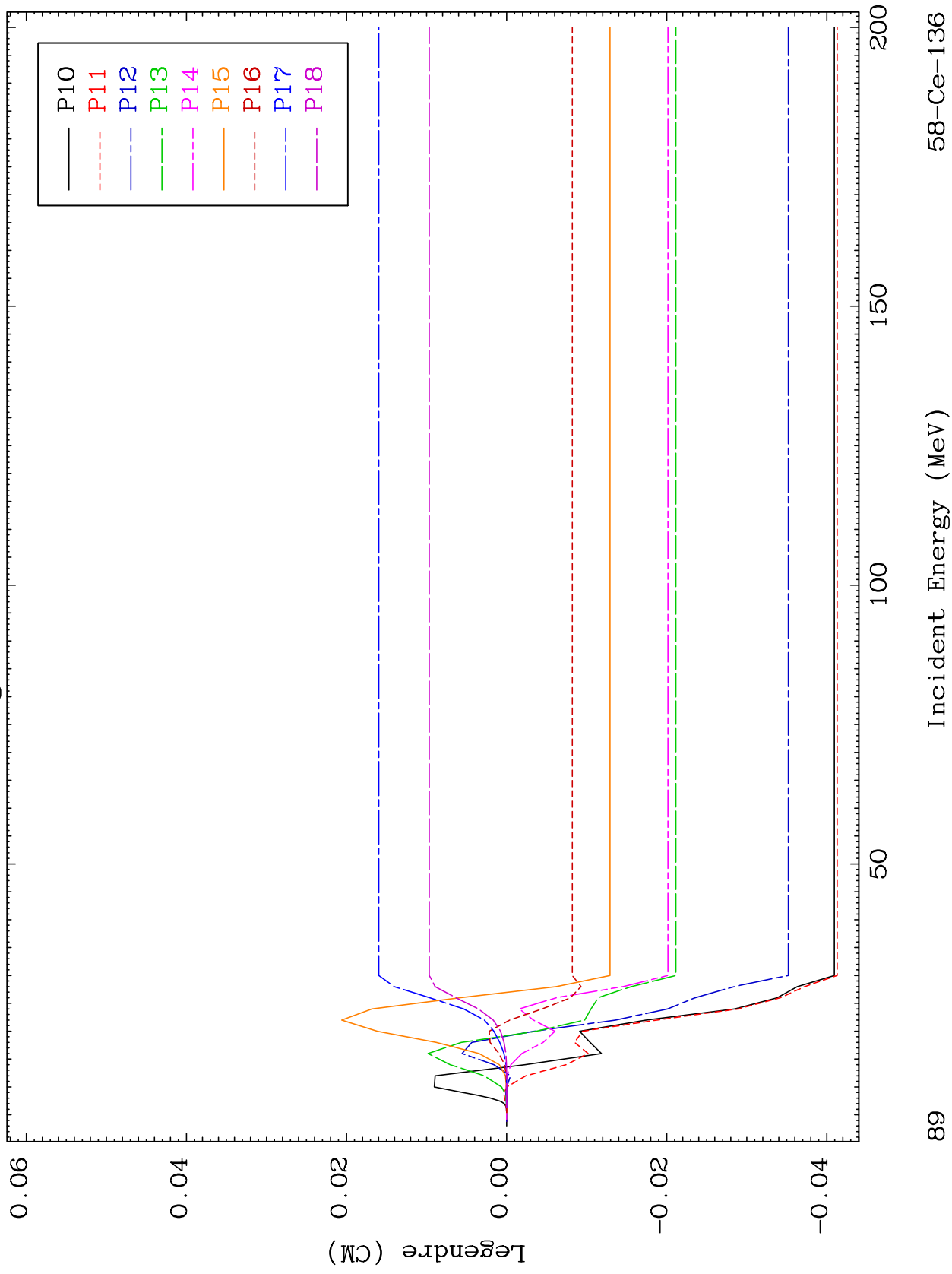
Incident Energy (MeV)

58-Ce-136

MAT 5825

MT= 69 (n,n') Level
Legendre Coefficients

58-Ce-136



89

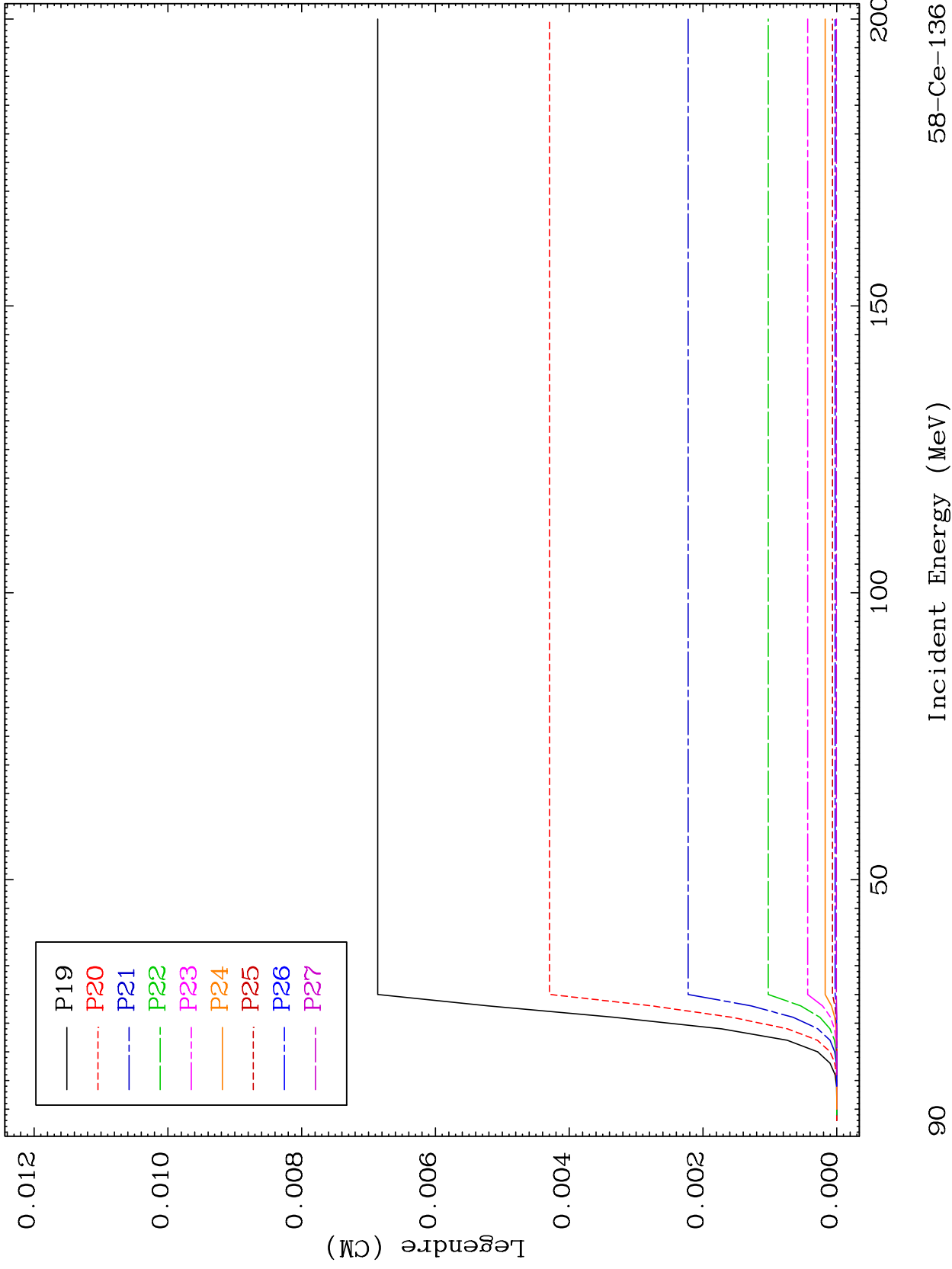
Incident Energy (MeV)

58-Ce-136

MAT 5825

MT= 69 (n,n') Level
Legendre Coefficients

58-Ce-136



90

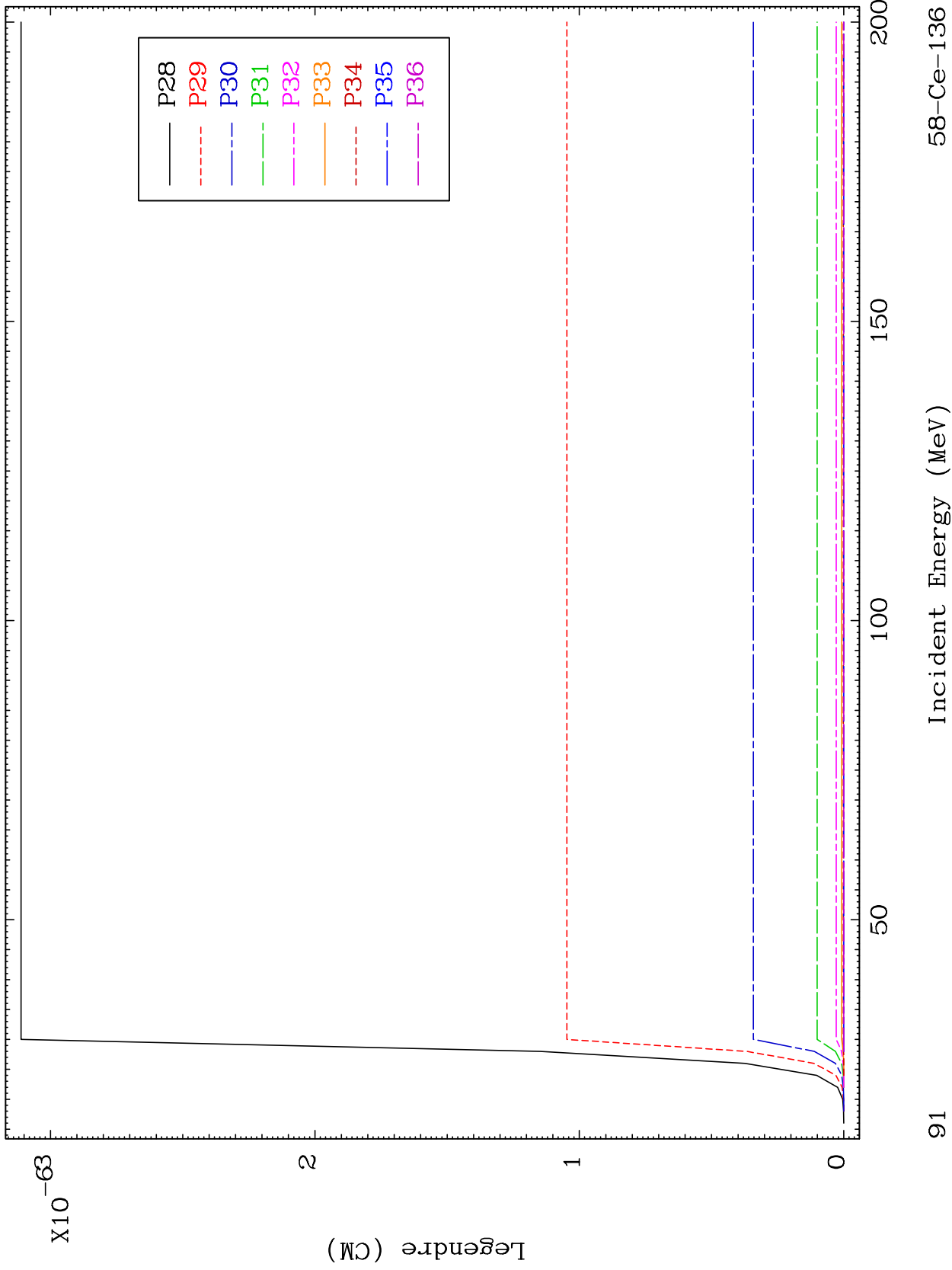
Incident Energy (MeV)

58-Ce-136

MAT 5825

MT= 69 (n,n') Level
Legendre Coefficients

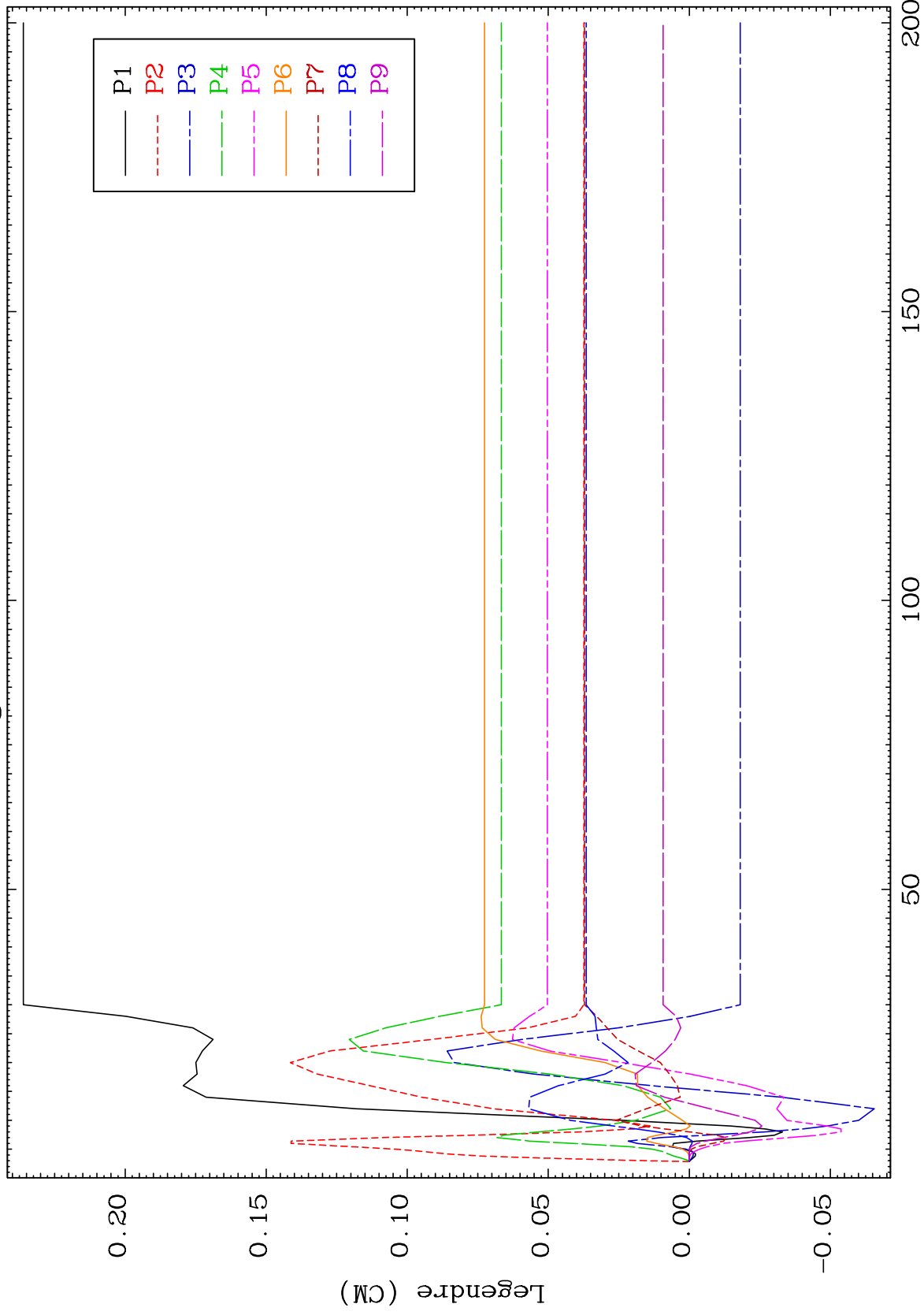
58-Ce-136



MAT 5825

MT= 70 (n,n') Level
Legendre Coefficients

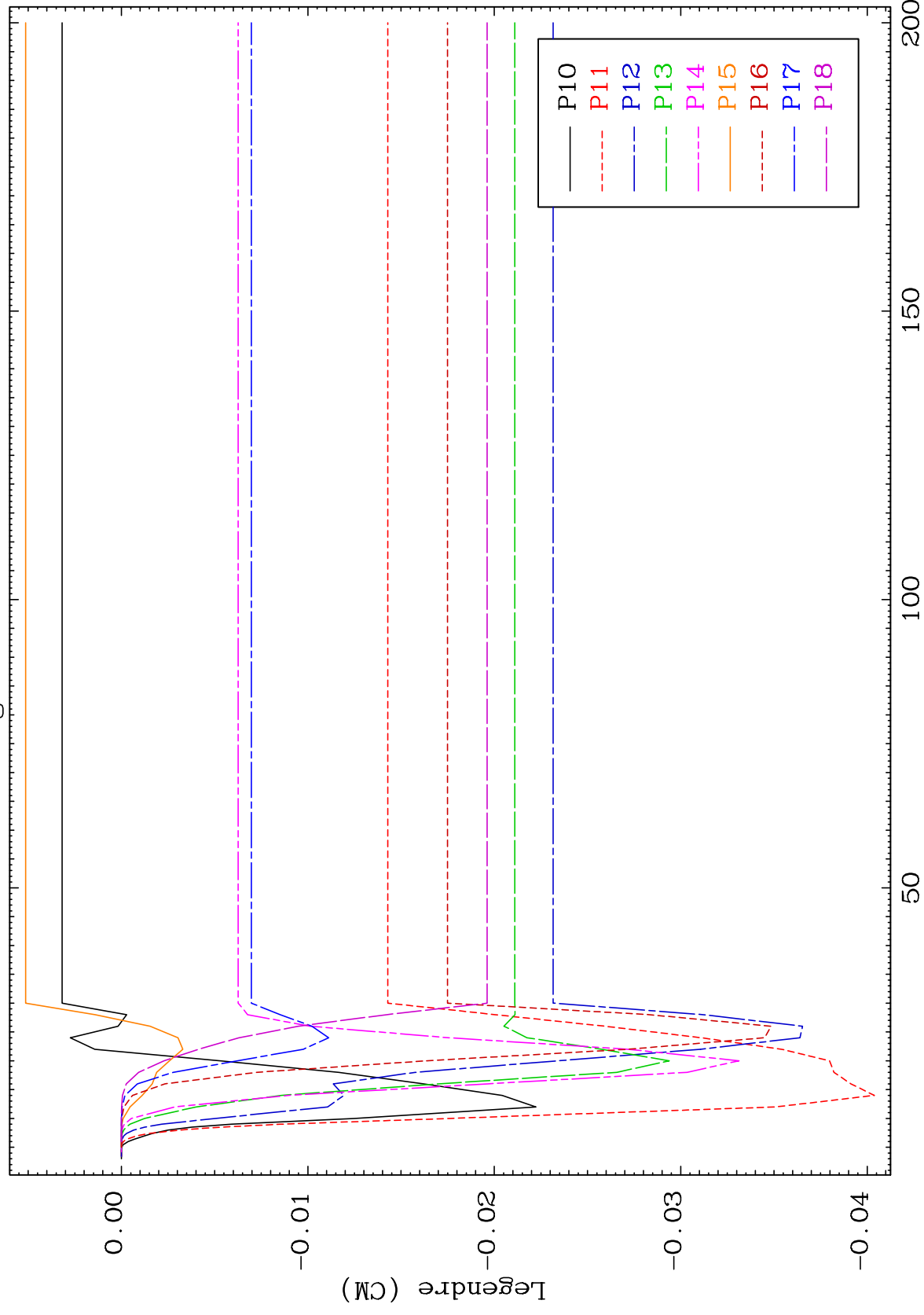
58-Ce-136

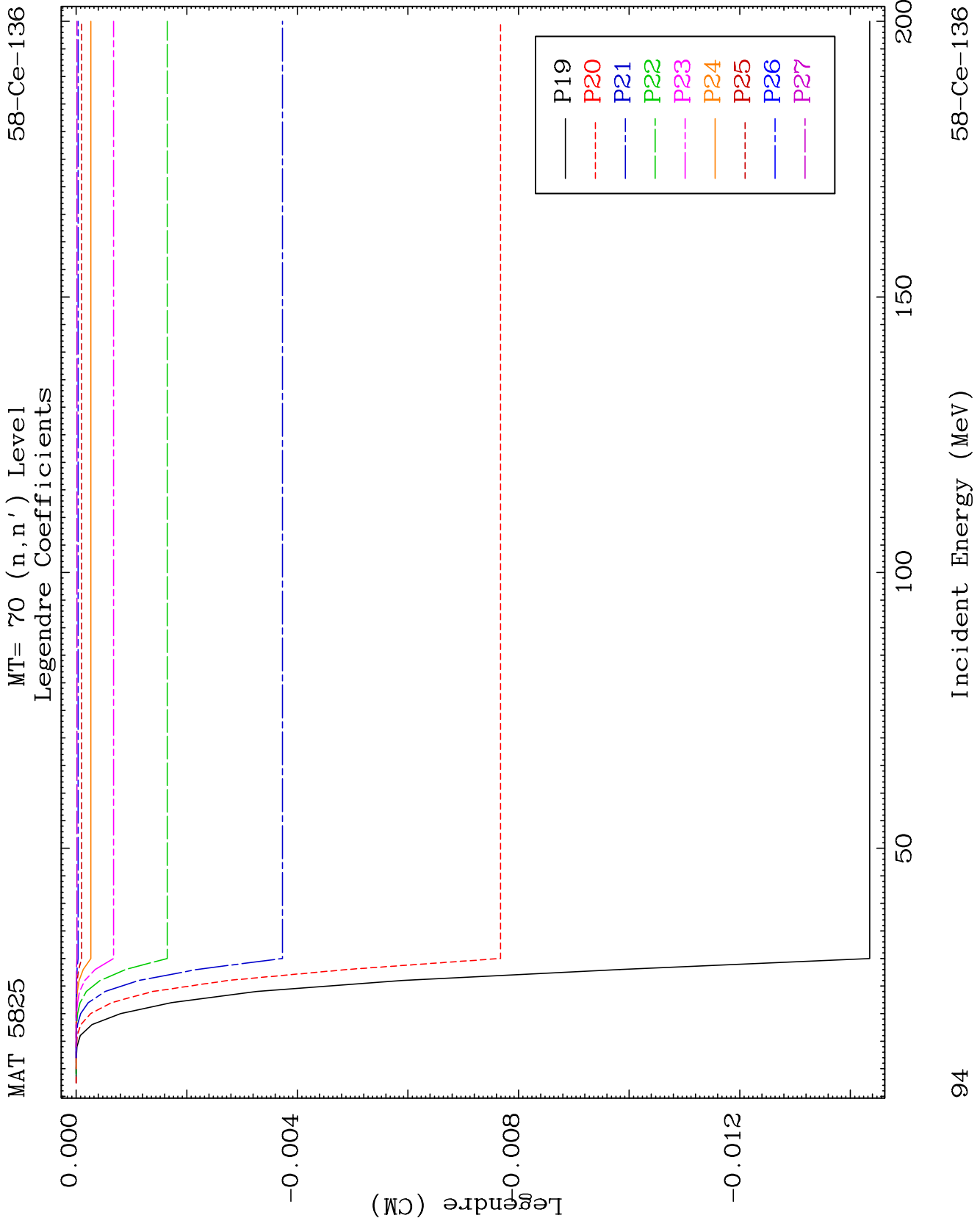


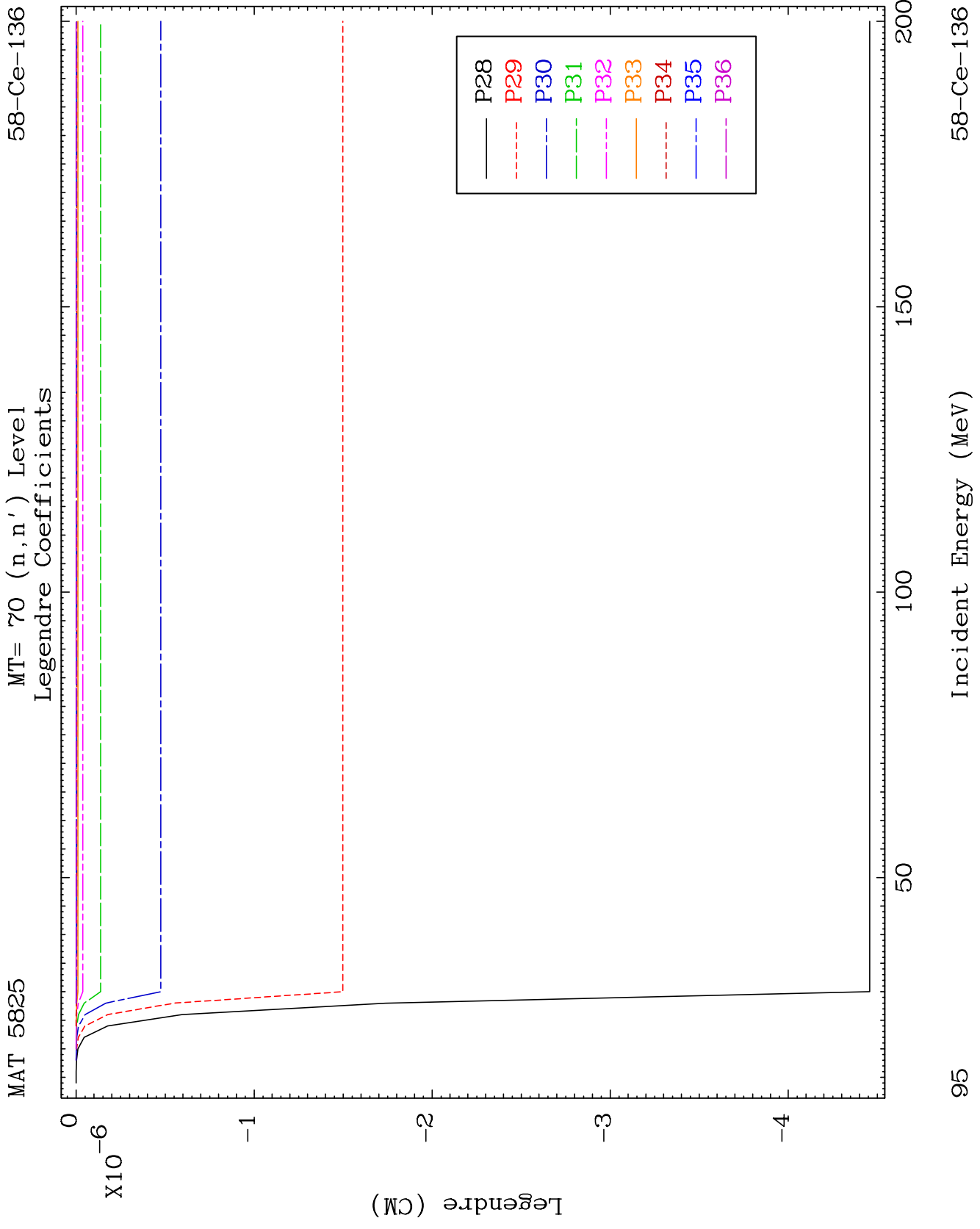
92

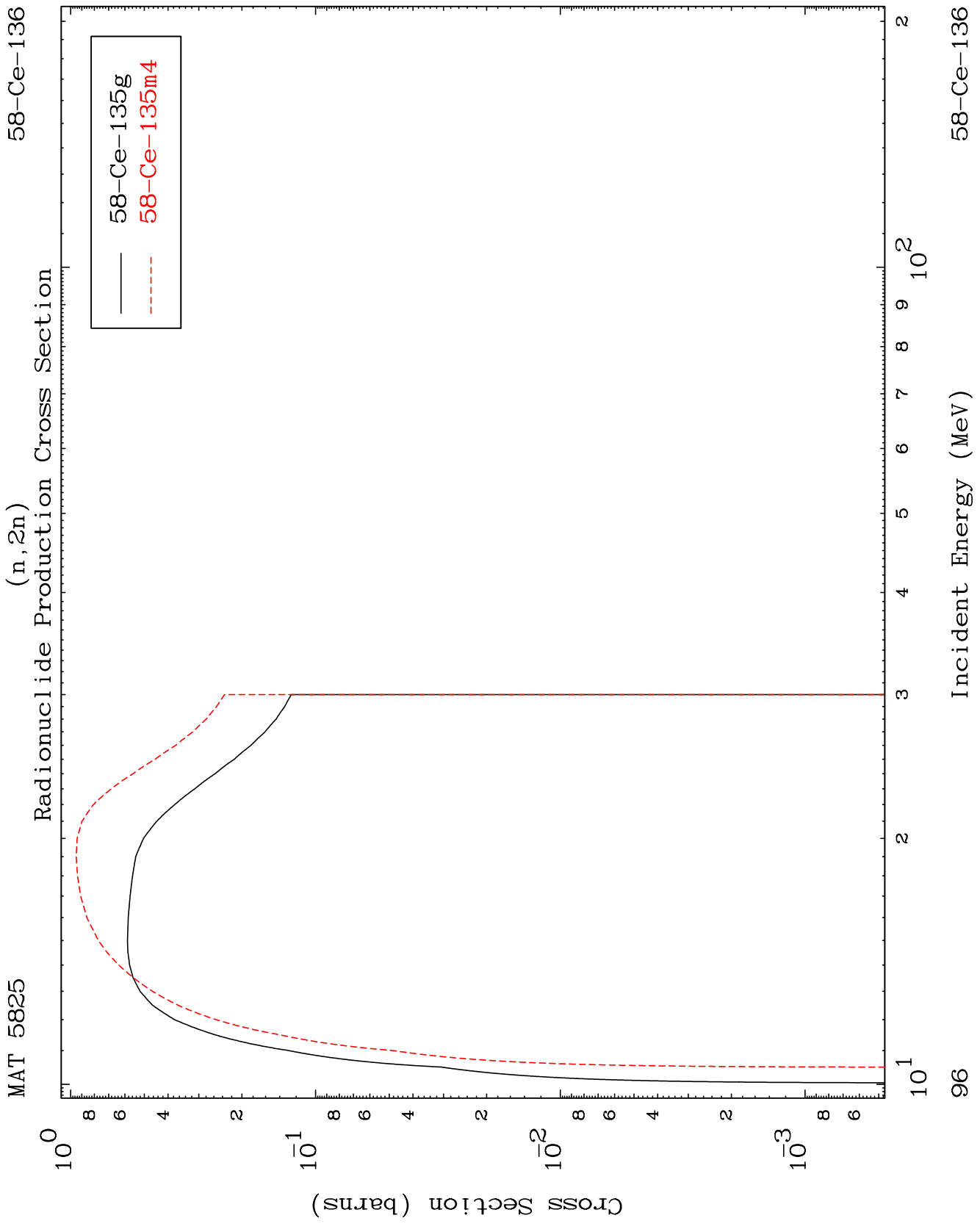
Incident Energy (MeV)

58-Ce-136







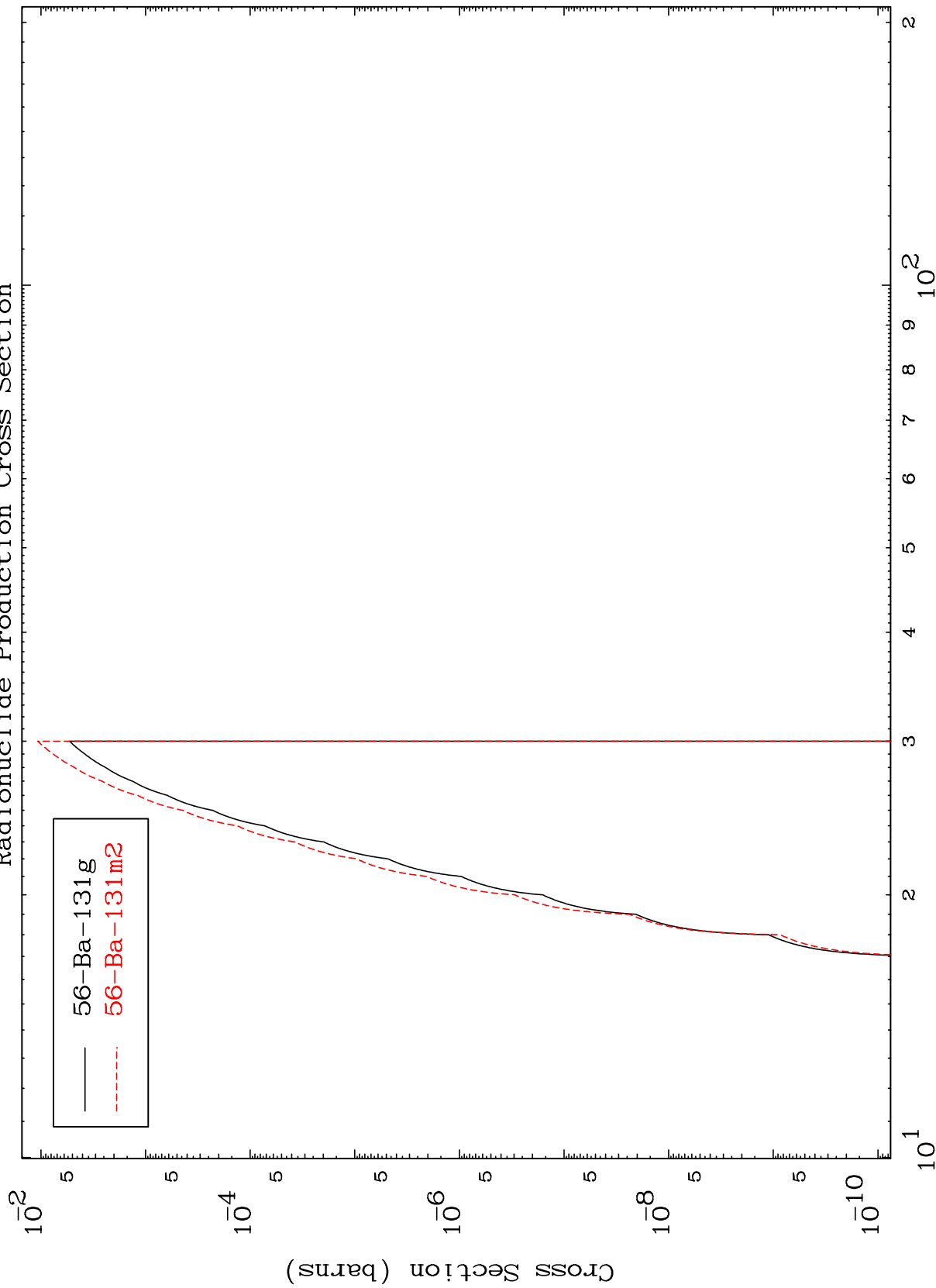


MAT 5825

(n,2n) α

58-Ce-136

Radionuclide Production Cross Section

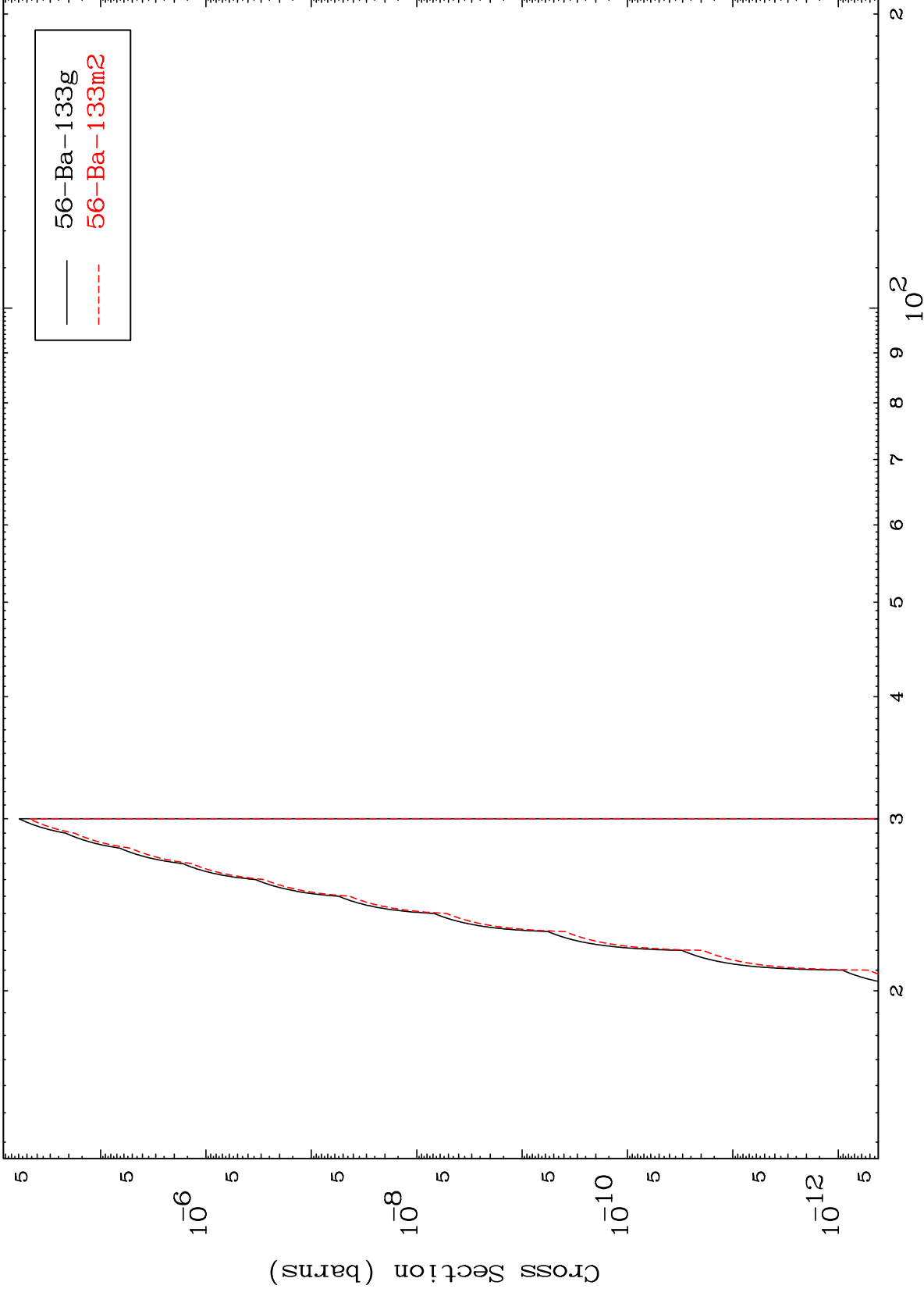


Incident Energy (MeV)

58-Ce-136

97

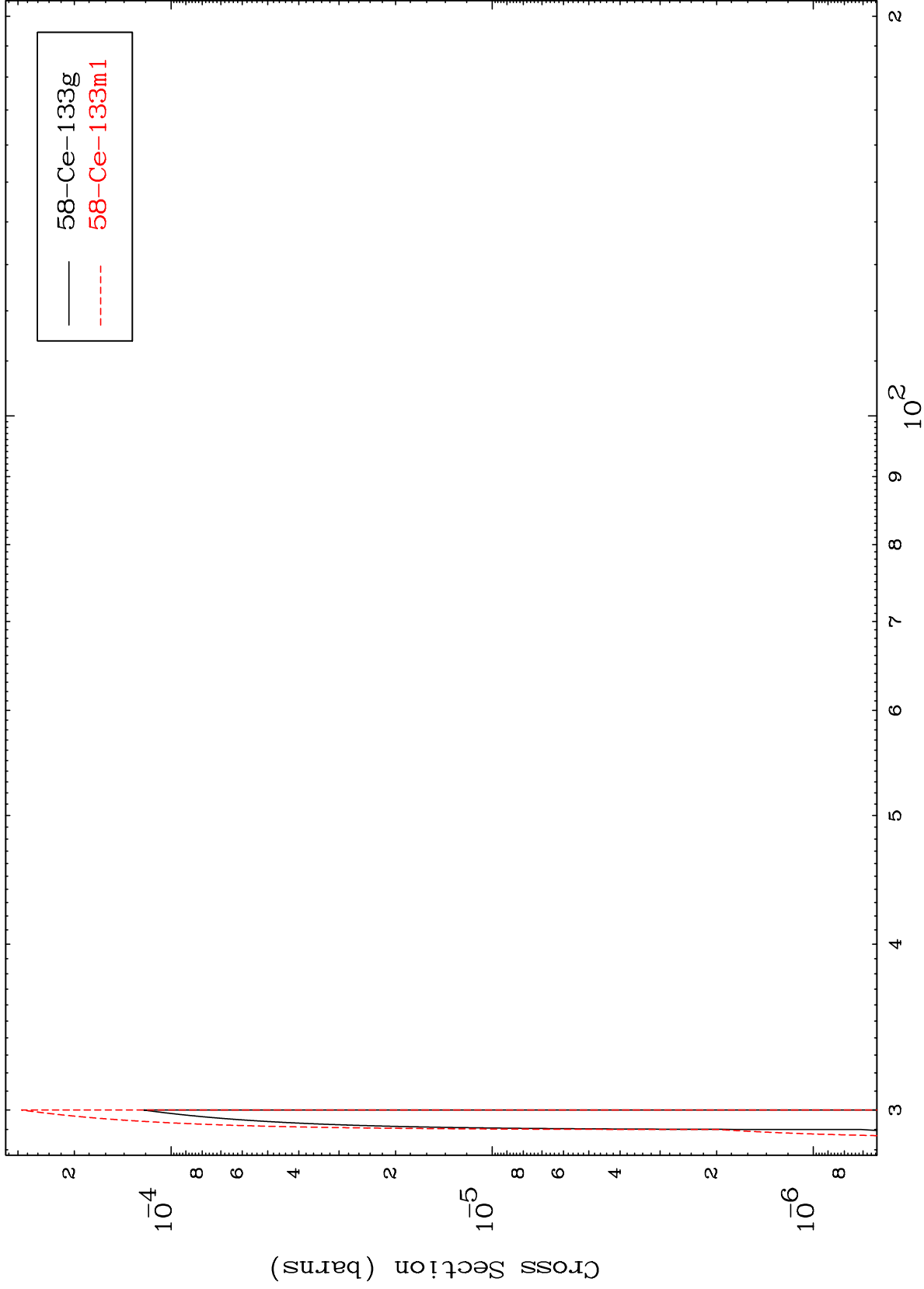
Radionuclide Production Cross Section



MAT 5825

58-Ce-136

(n,4n)
Radionuclide Production Cross Section



99

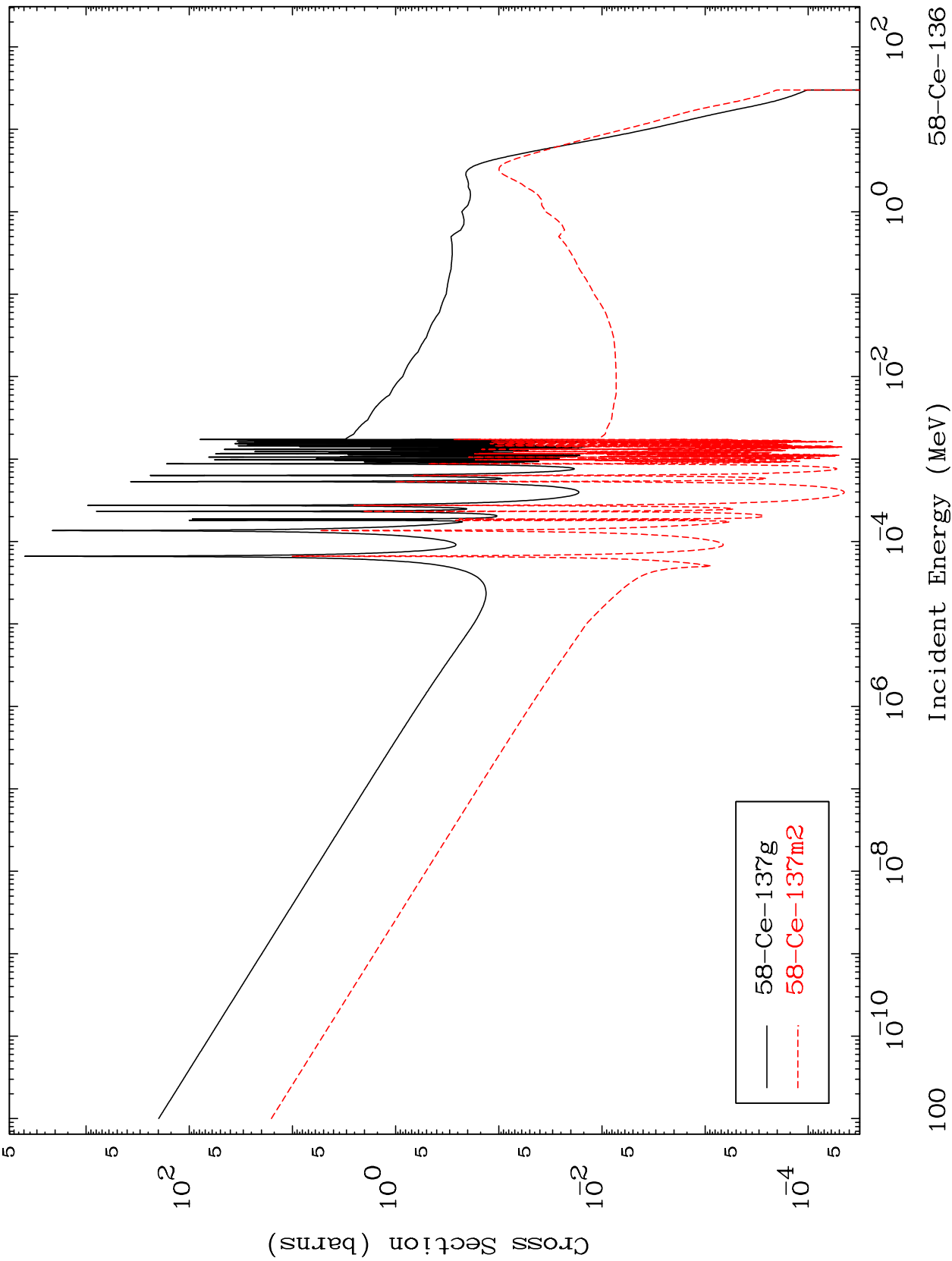
Incident Energy (MeV)

58-Ce-136

MAT 5825

58-Ce-136

(n, γ)
Radionuclide Production Cross Section



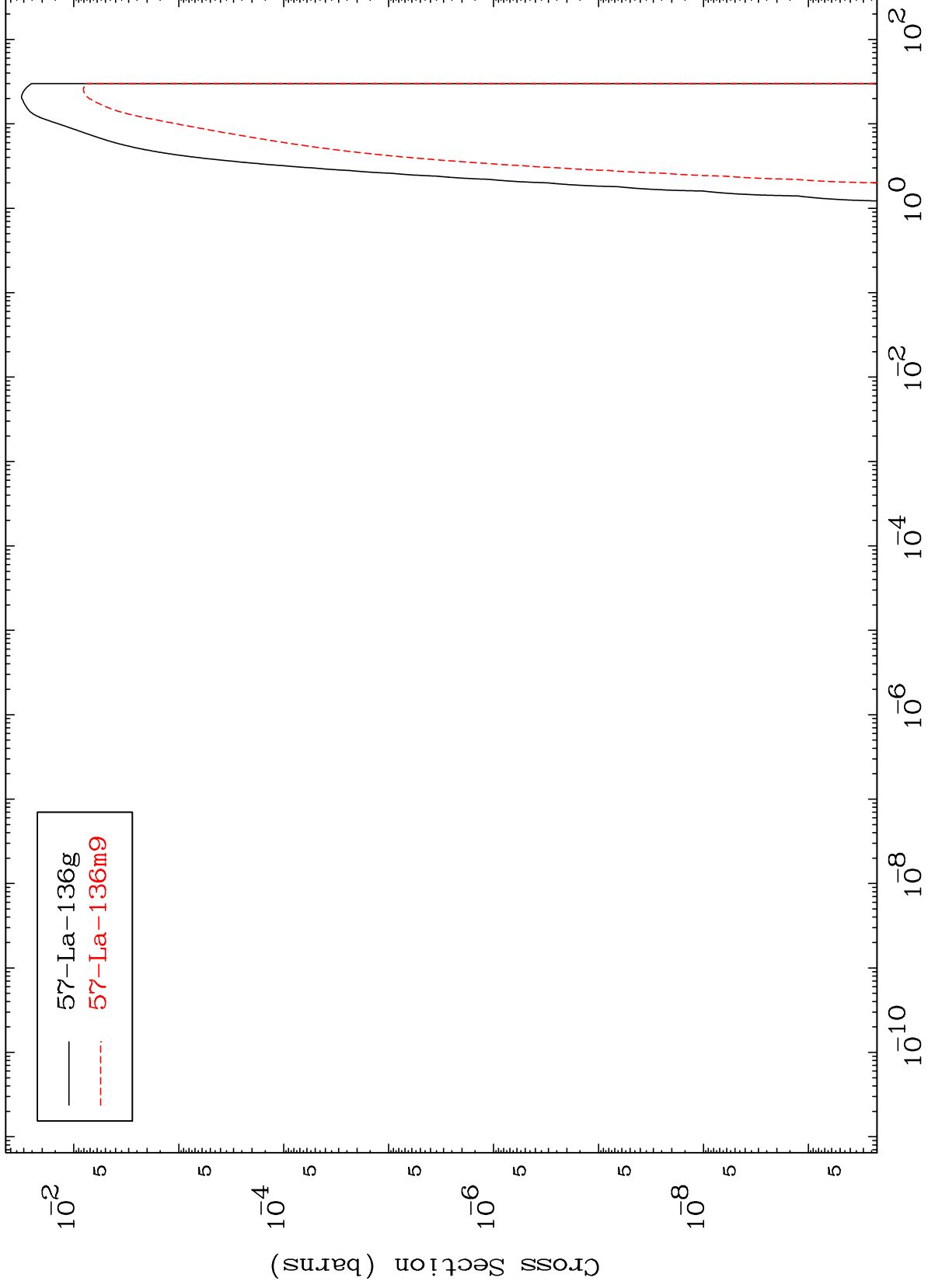
100

MAT 5825

(n,p)

58-Ce-136

Radionuclide Production Cross Section



101

Incident Energy (MeV)

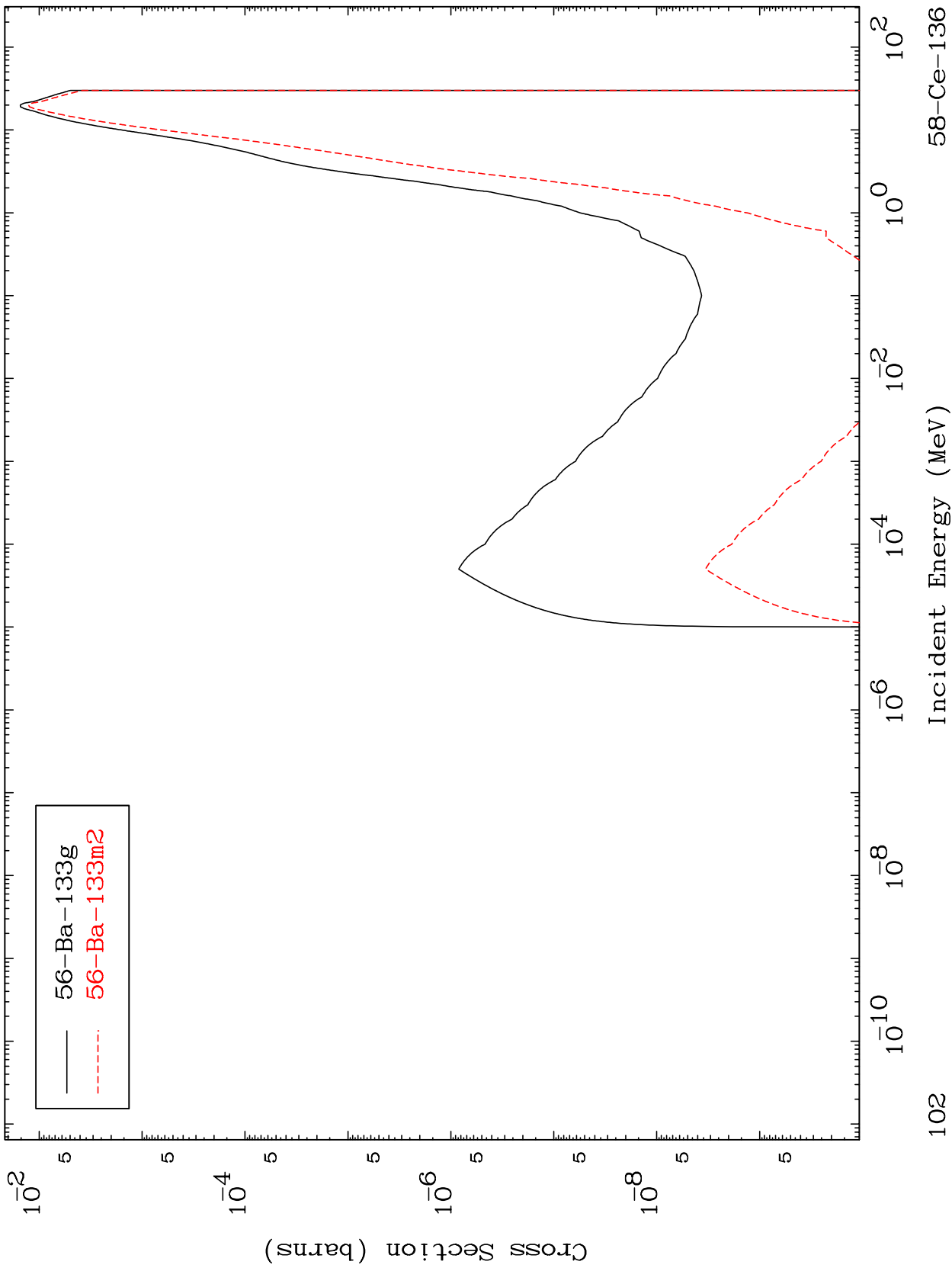
58-Ce-136

MAT 5825

(n, α)

58-Ce-136

Radionuclide Production Cross Section

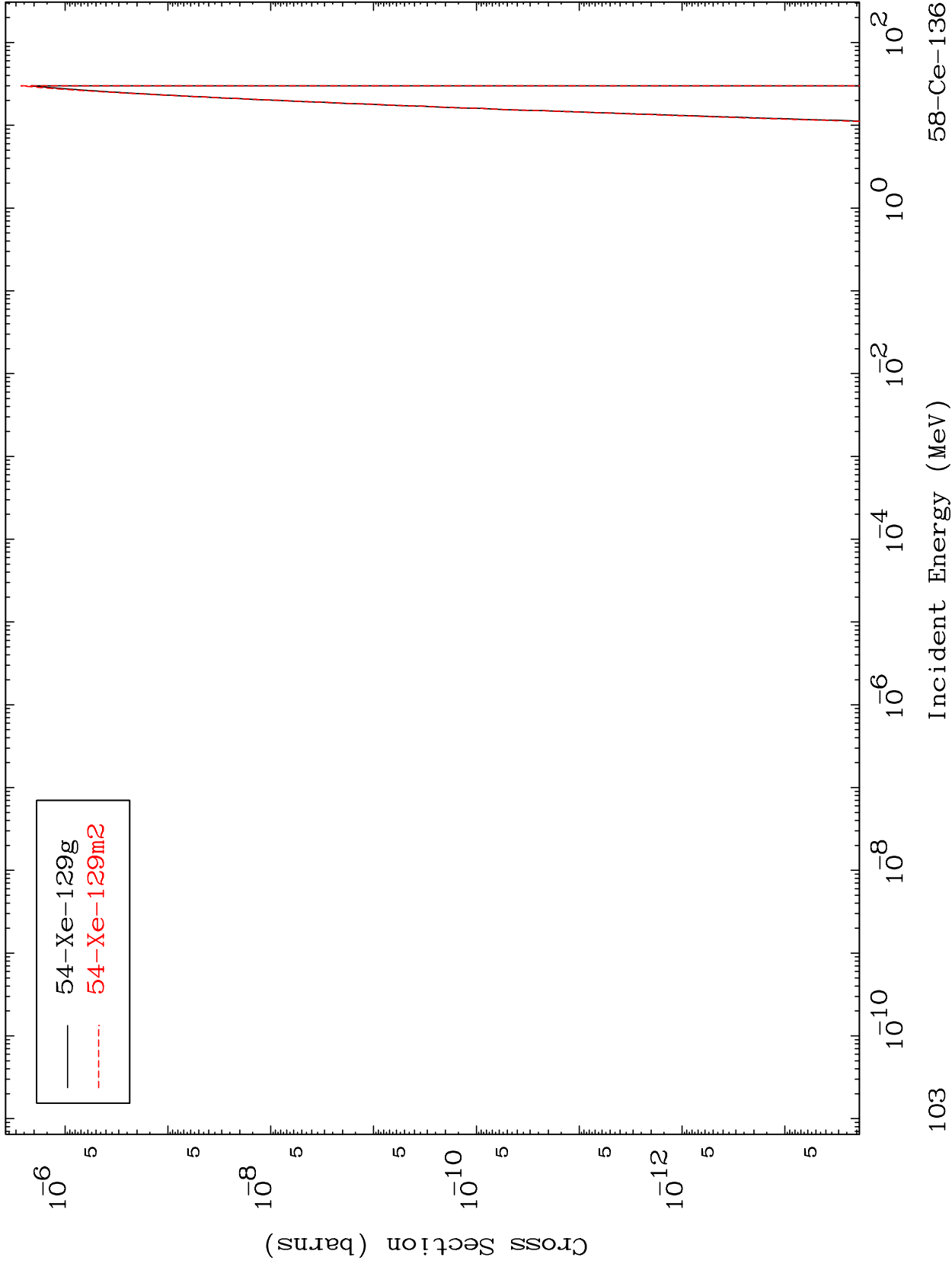


MAT 5825

(n,2α)

58-Ce-136

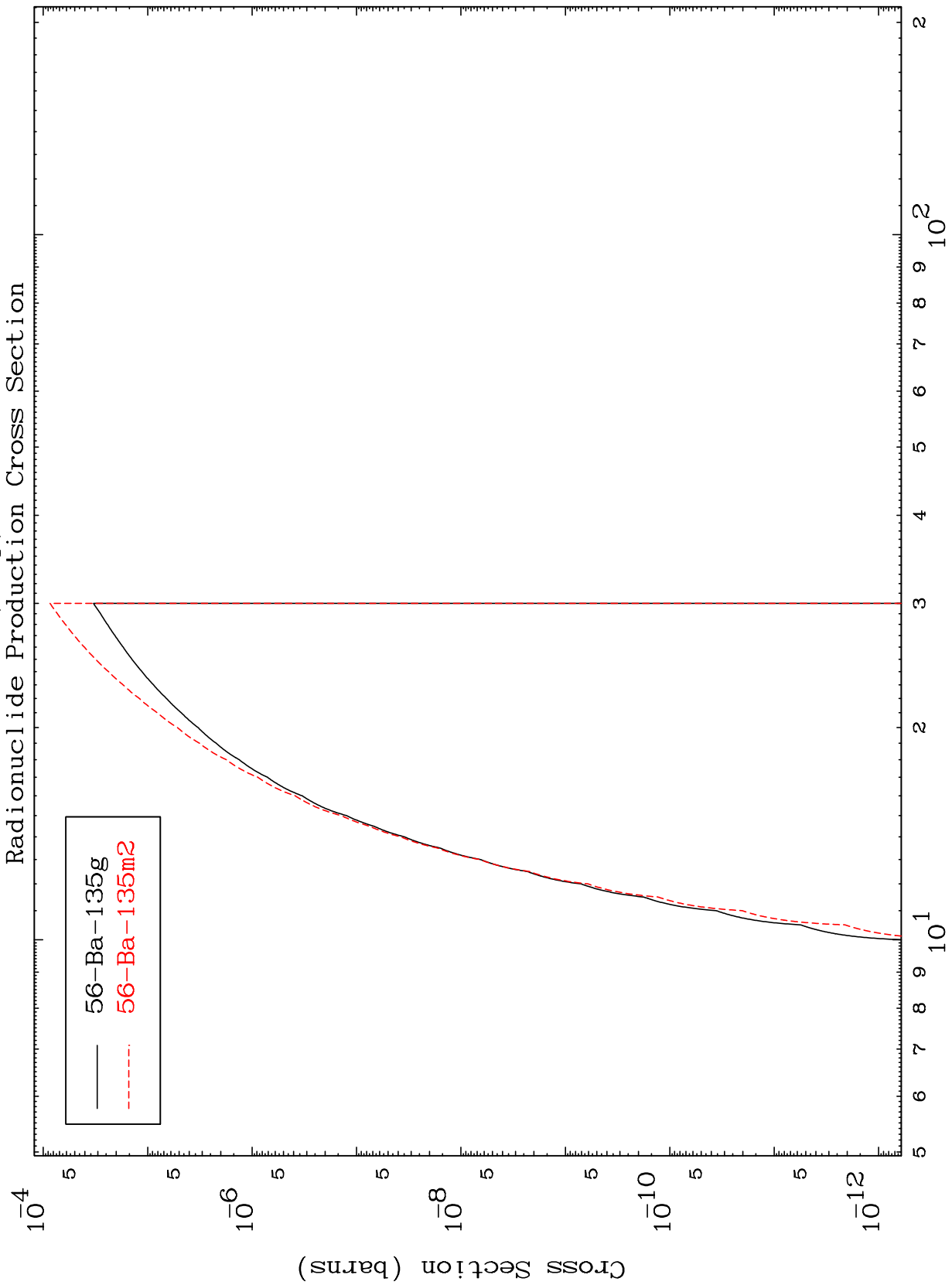
Radionuclide Production Cross Section



MAT 5825

58-Ce-136

(n,2p)
Radionuclide Production Cross Section



104

Incident Energy (MeV)

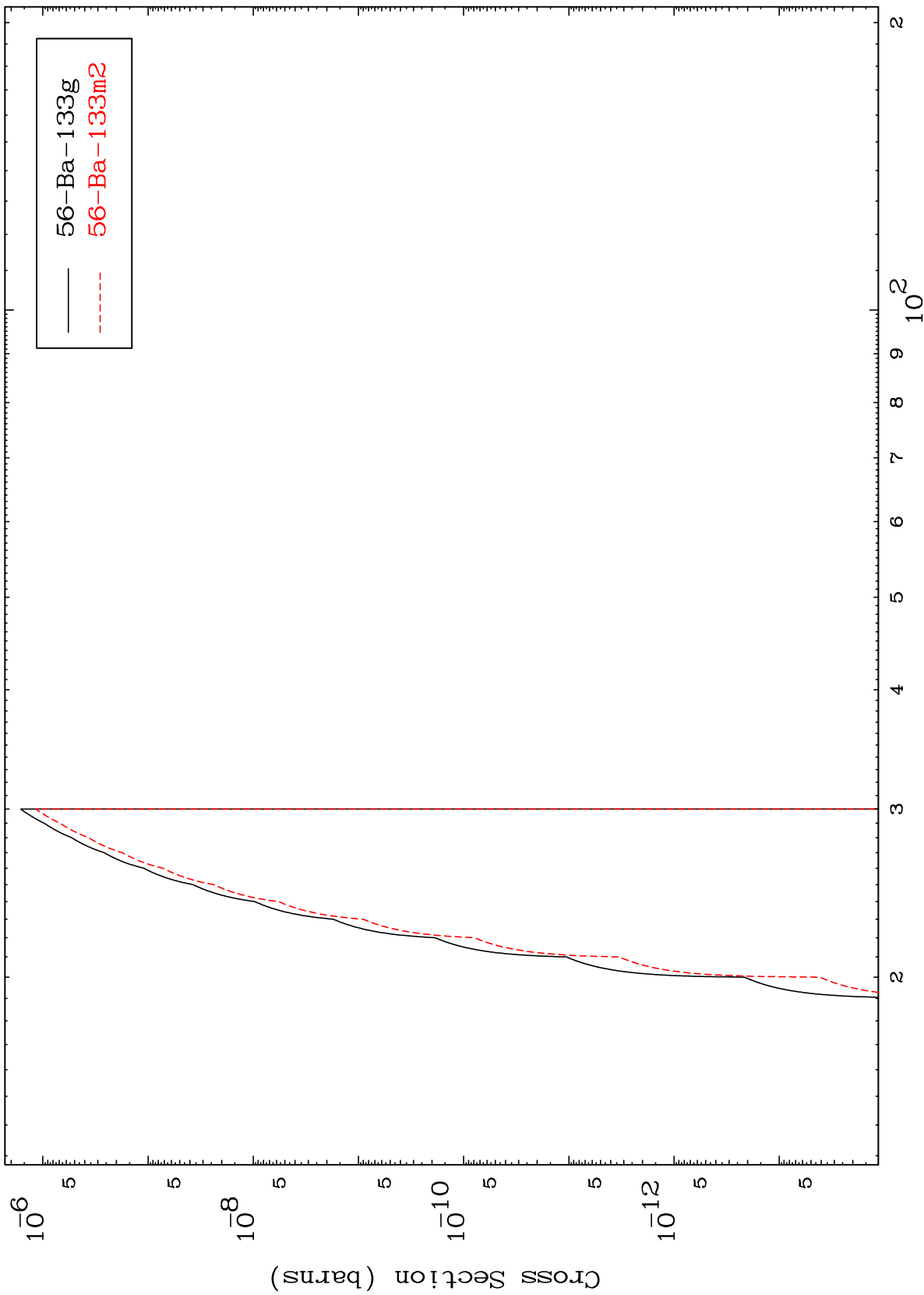
58-Ce-136

MAT 5825

(n,p) t

58-Ce-136

Radionuclide Production Cross Section



105

Incident Energy (MeV)

58-Ce-136