

Program EVALPLOT
(Version 2021-1)

by

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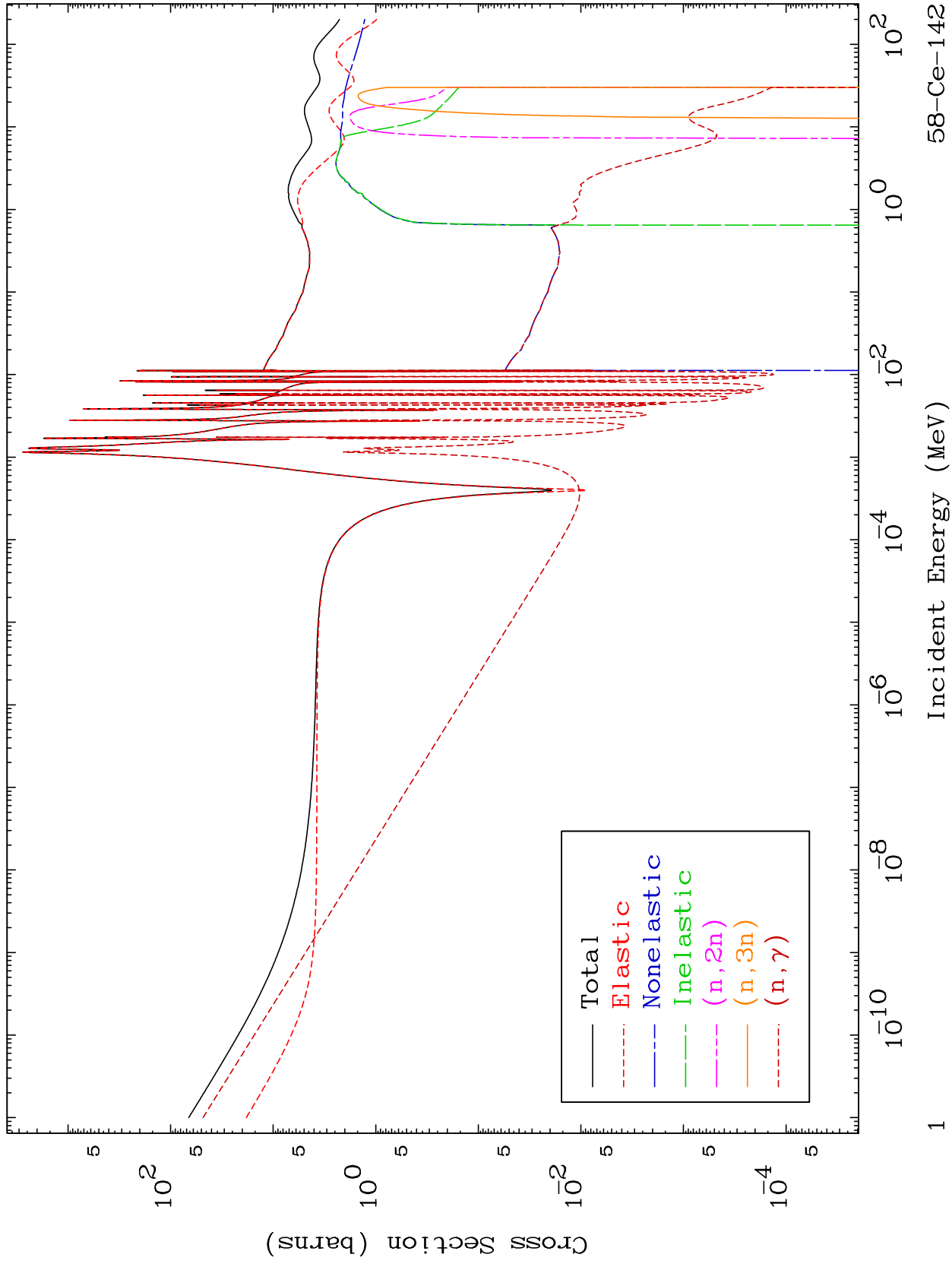
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5843

Neutron Major
293 Kelvin Cross Sections

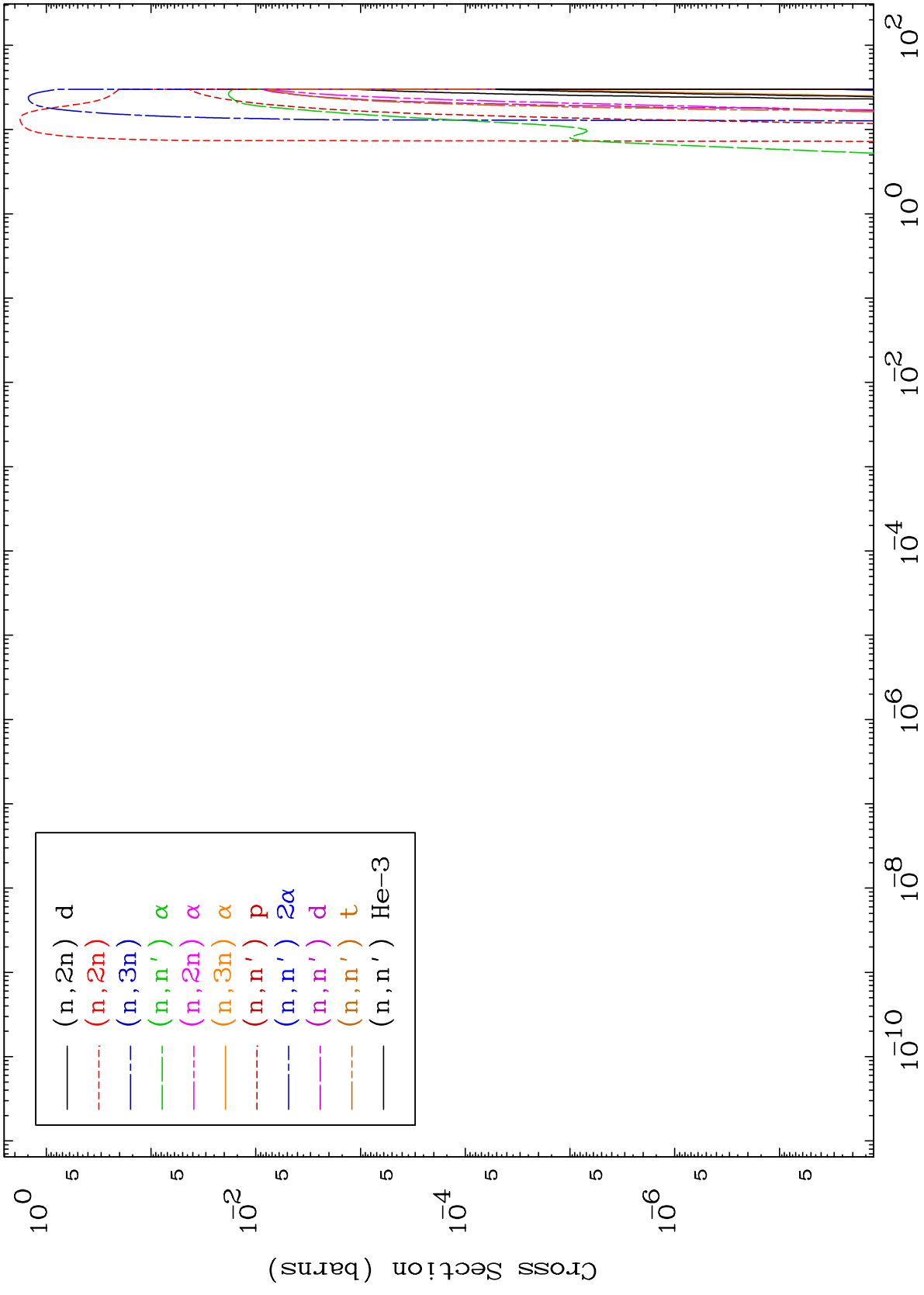
58-Ce-142



MAT 5843

Neutron Absorption
293 Kelvin Cross Sections

58-Ce-142

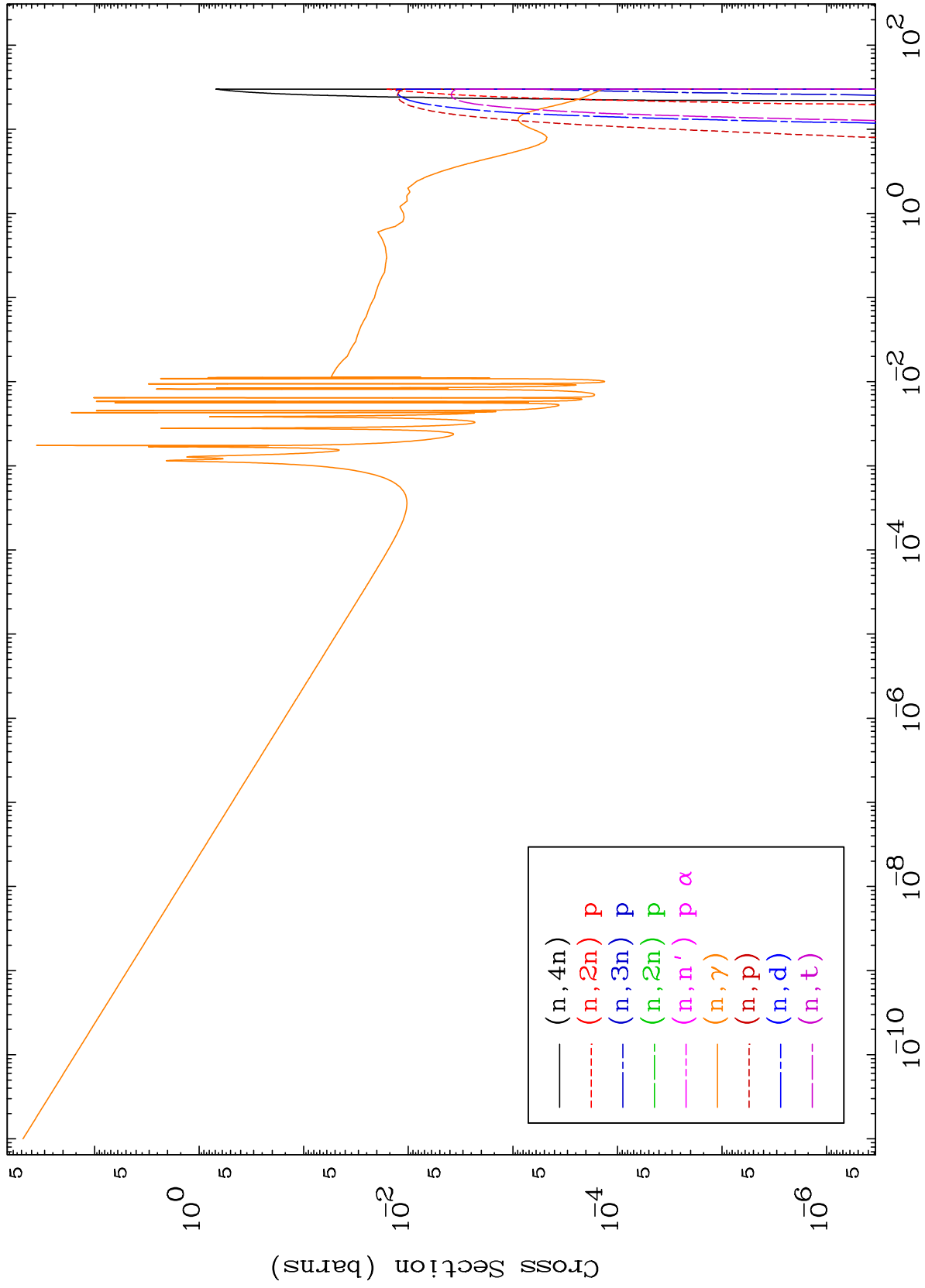


58-Ce-142

MAT 5843

Neutron Absorption
293 Kelvin Cross Sections

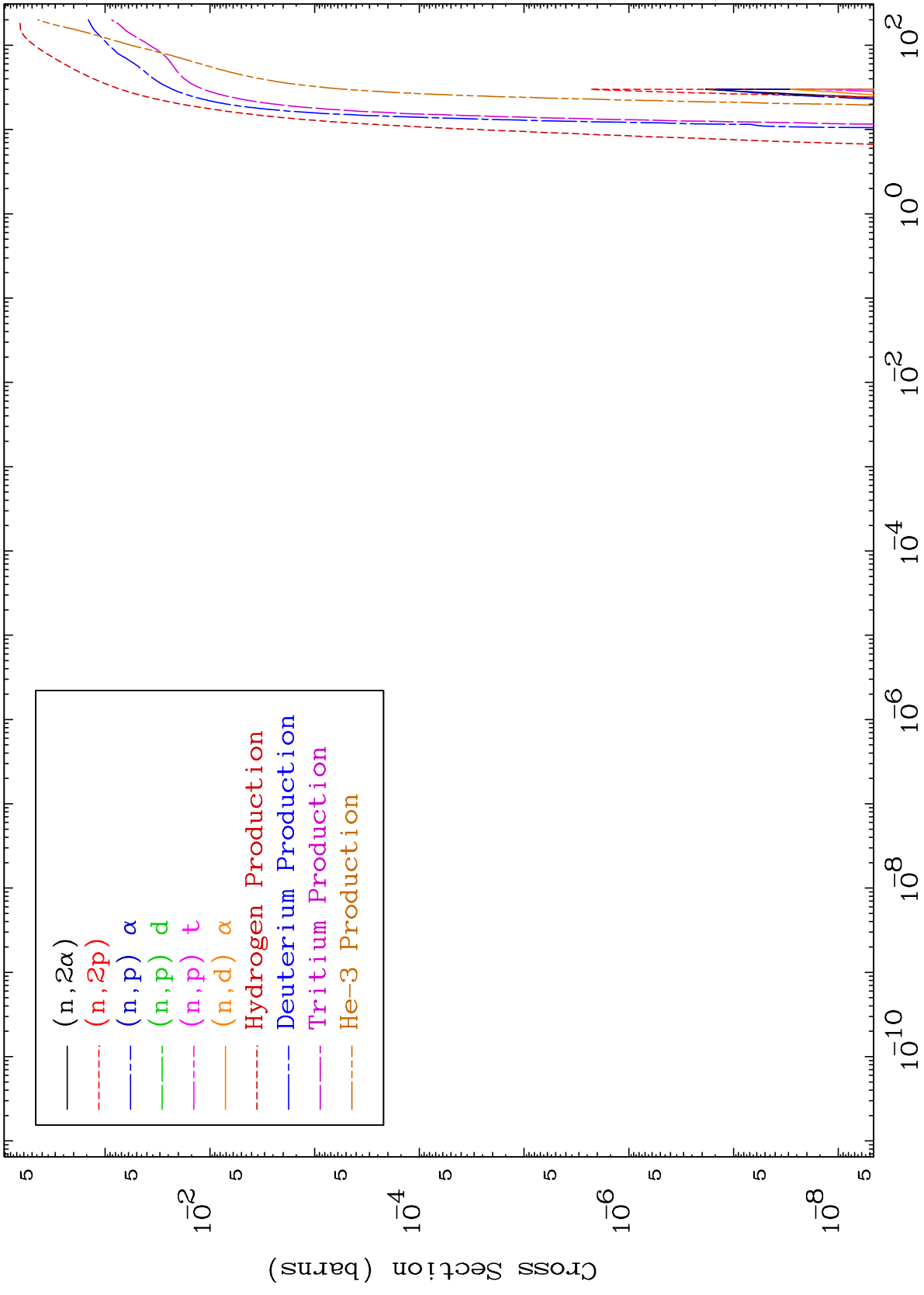
58-Ce-142



MAT 5843

Neutron Absorption
293 Kelvin Cross Sections

58-Ce-142



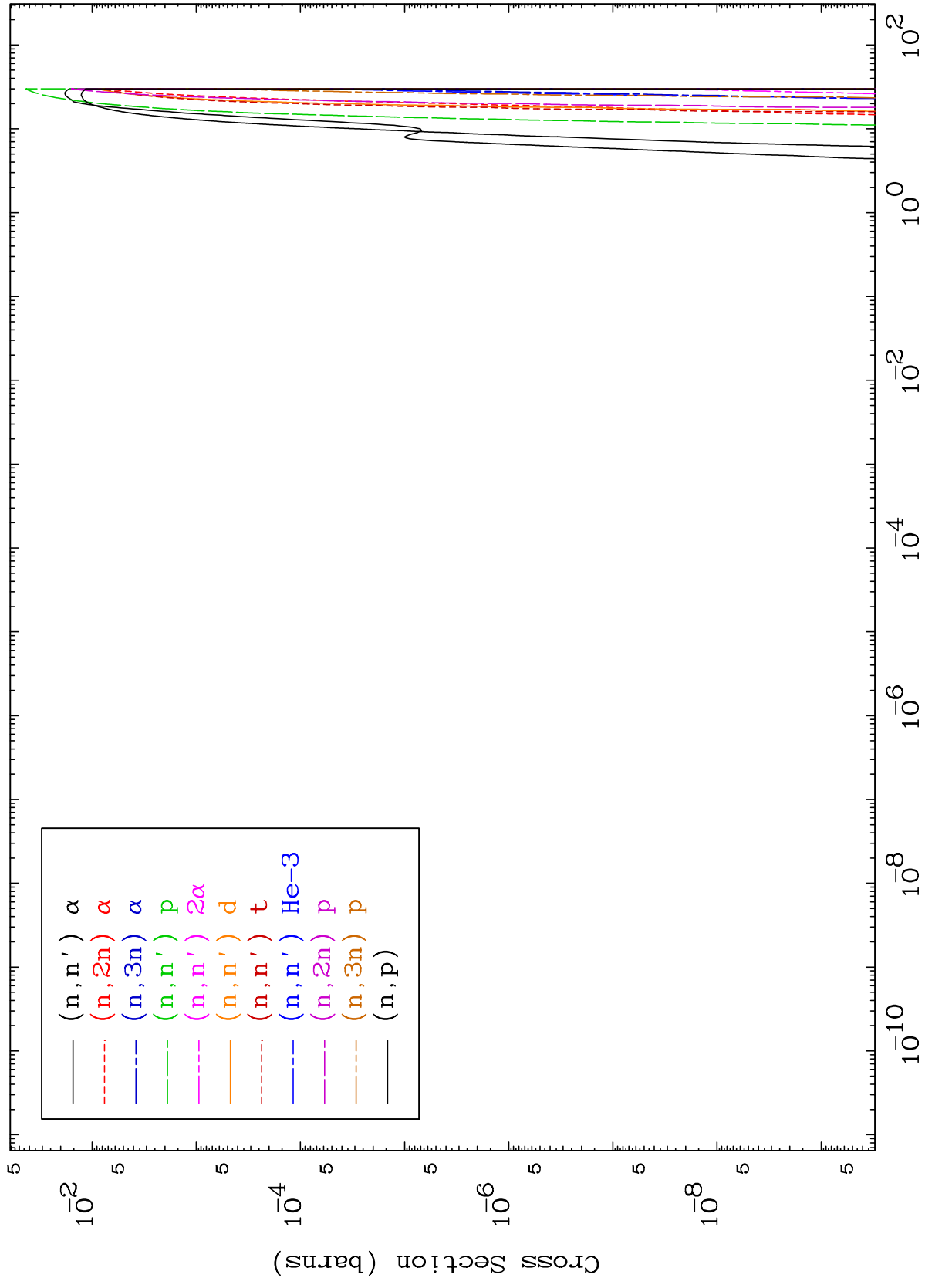
58-Ce-142

Incident Energy (MeV)

MAT 5843

293 Charged Particle
Kelvin Cross Sections

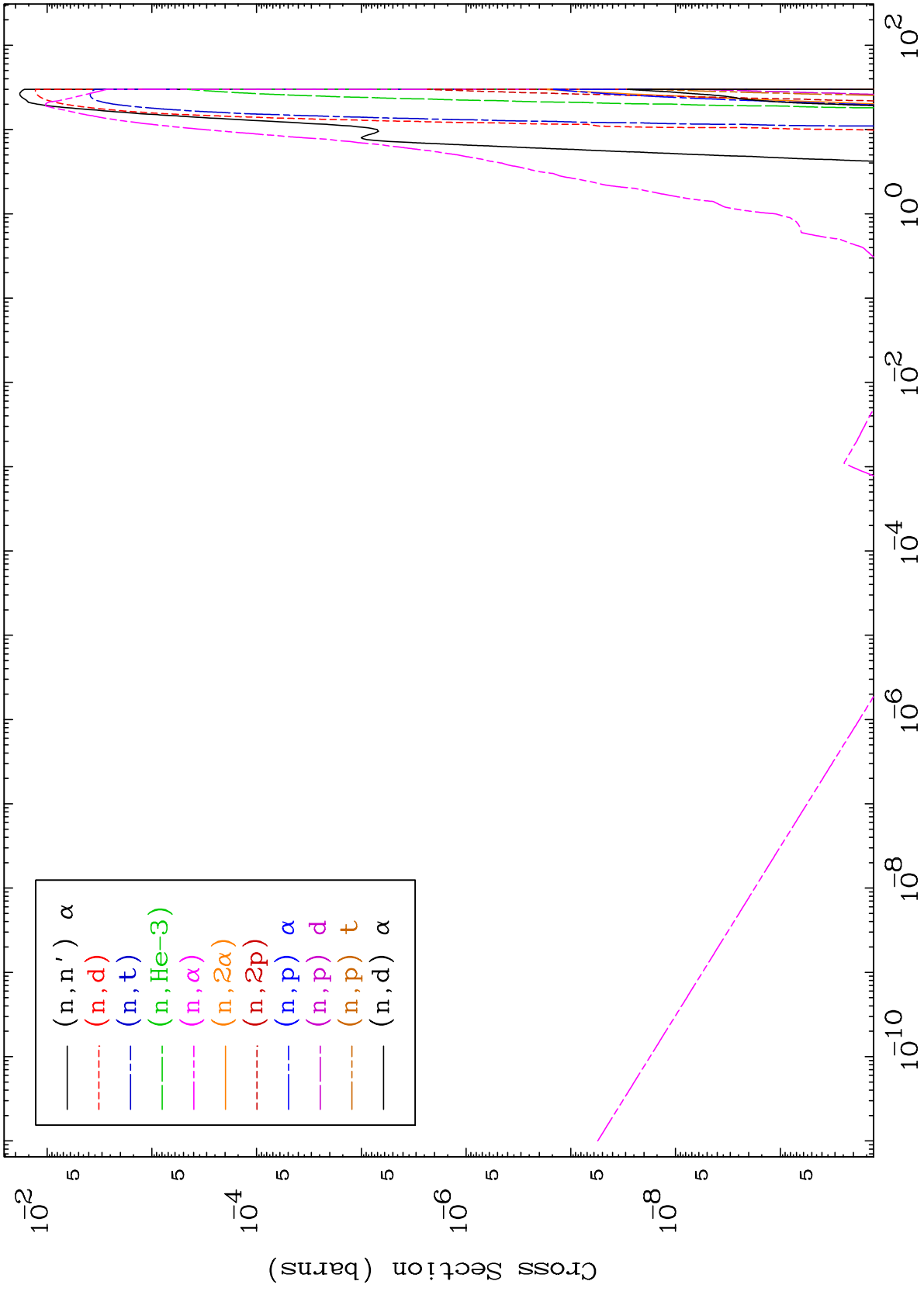
58-Ce-142



MAT 5843

Charged Particle
293 Kelvin Cross Sections

58-Ce-142

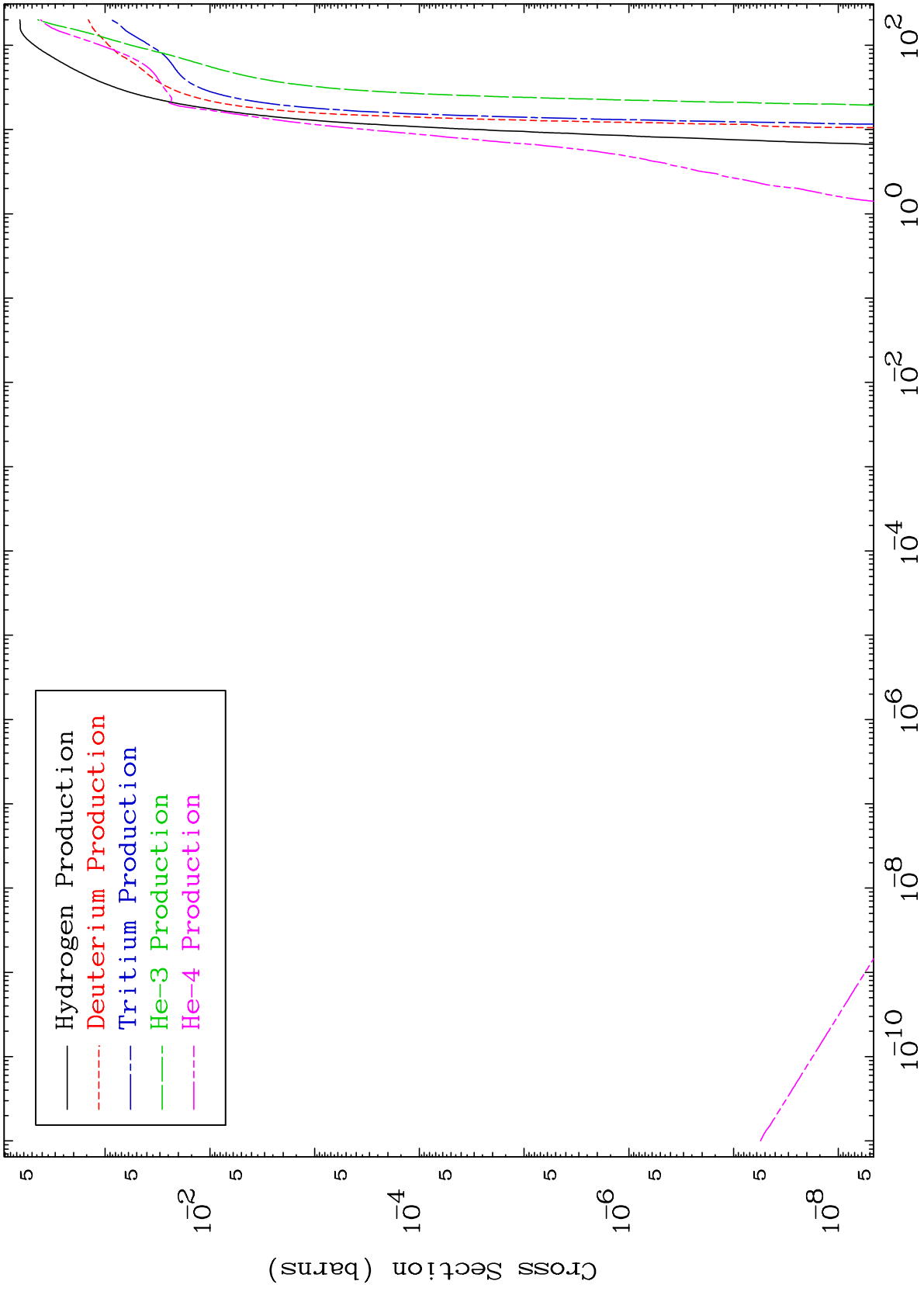


58-Ce-142

MAT 5843

Particle Production
293 Kelvin Cross Sections

58-Ce-142



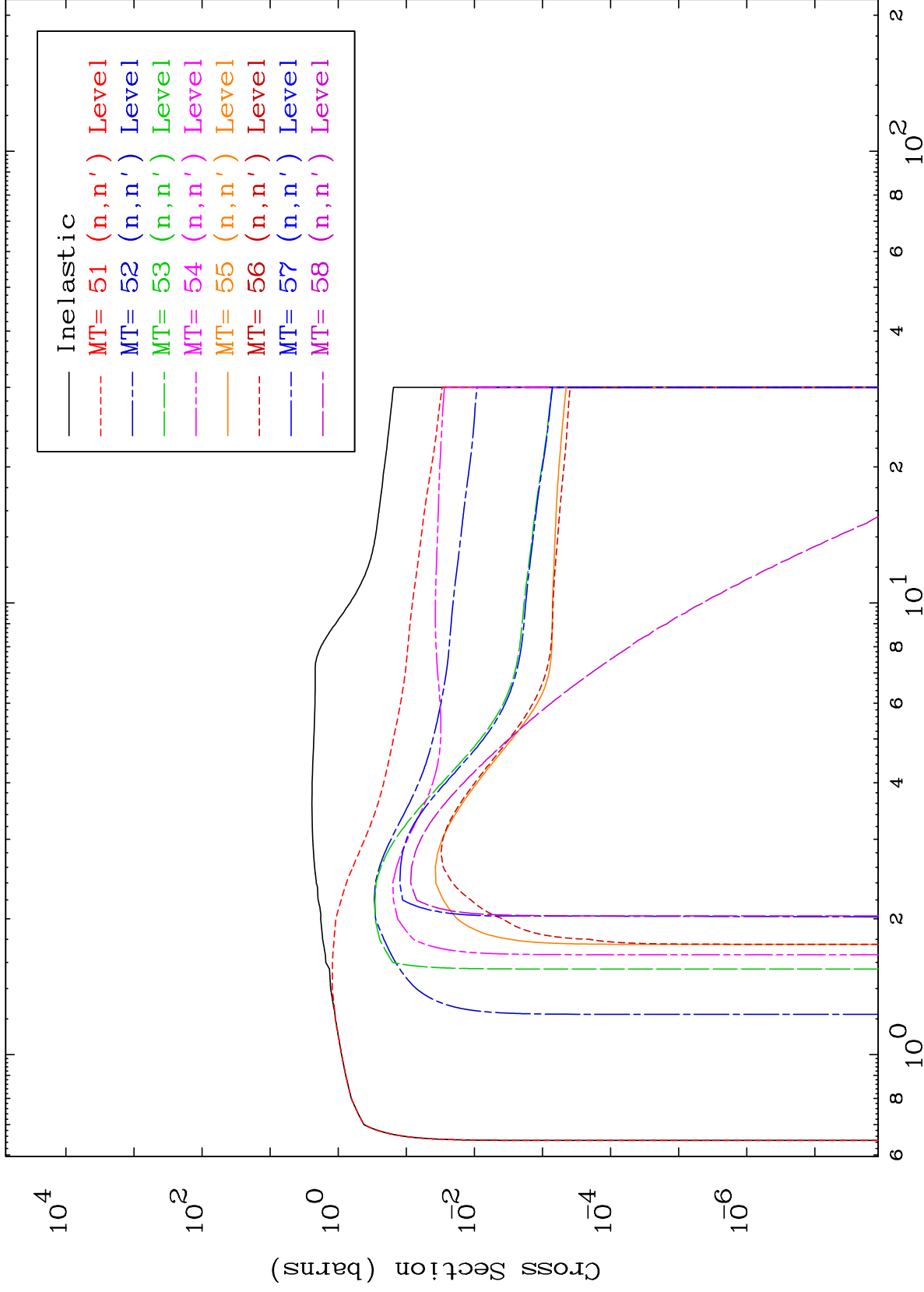
58-Ce-142

MAT 5843

(n,n') Levels

58-Ce-142

293 Kelvin Cross Sections



8

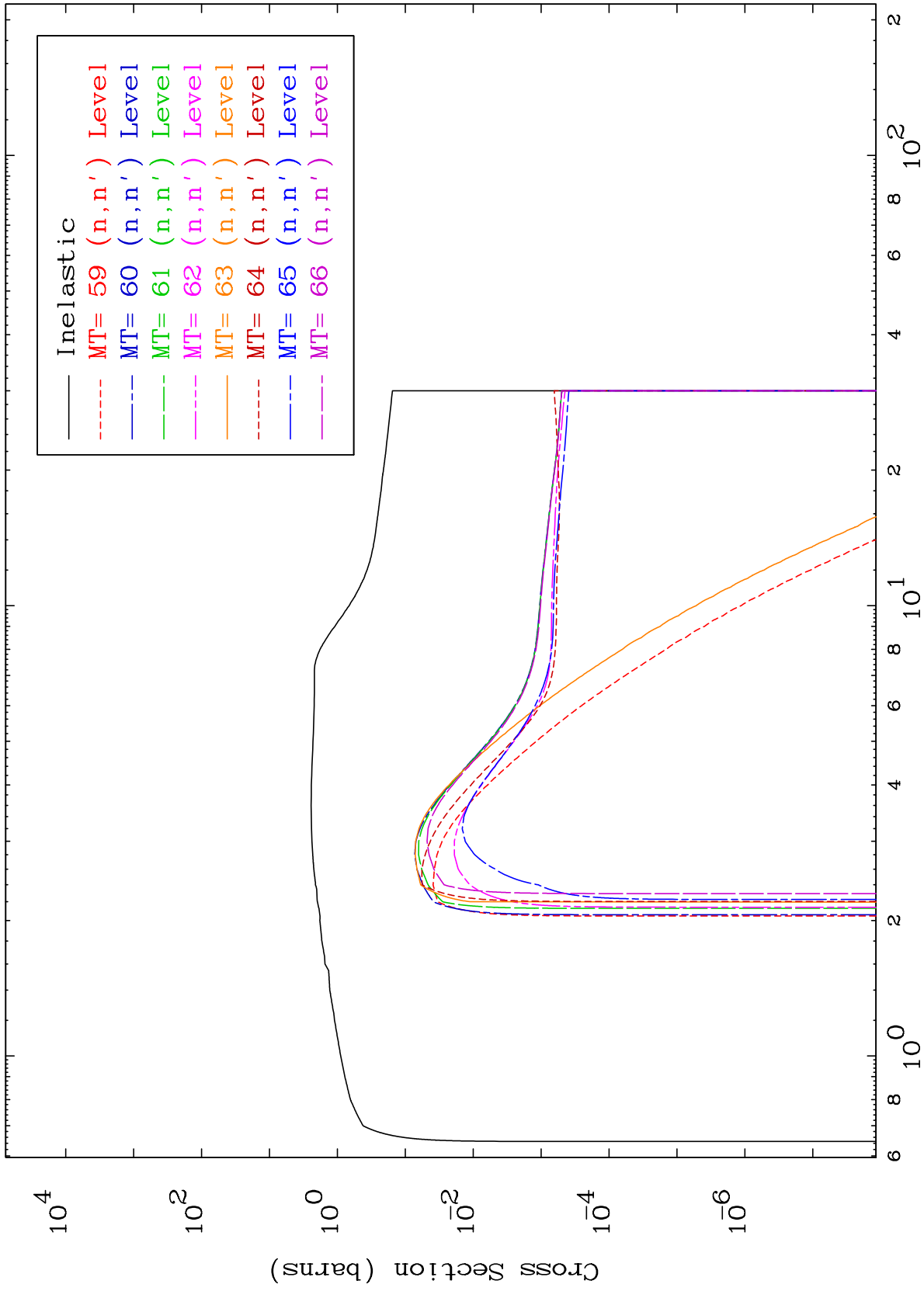
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,n') Levels
293 Kelvin Cross Sections

58-Ce-142



9

Incident Energy (MeV)

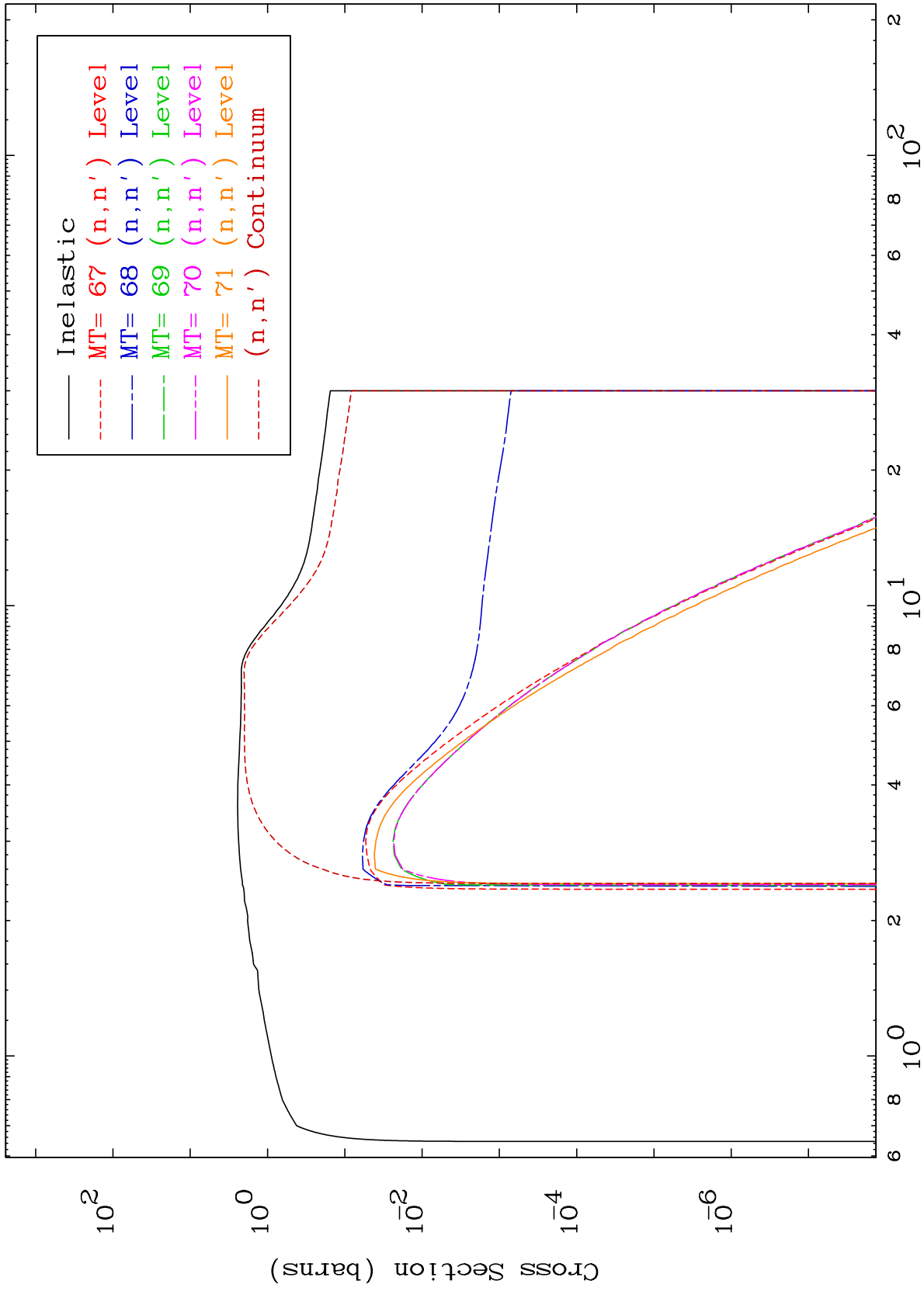
58-Ce-142

MAT 5843

(n,n') Levels

58-Ce-142

293 Kelvin Cross Sections



10

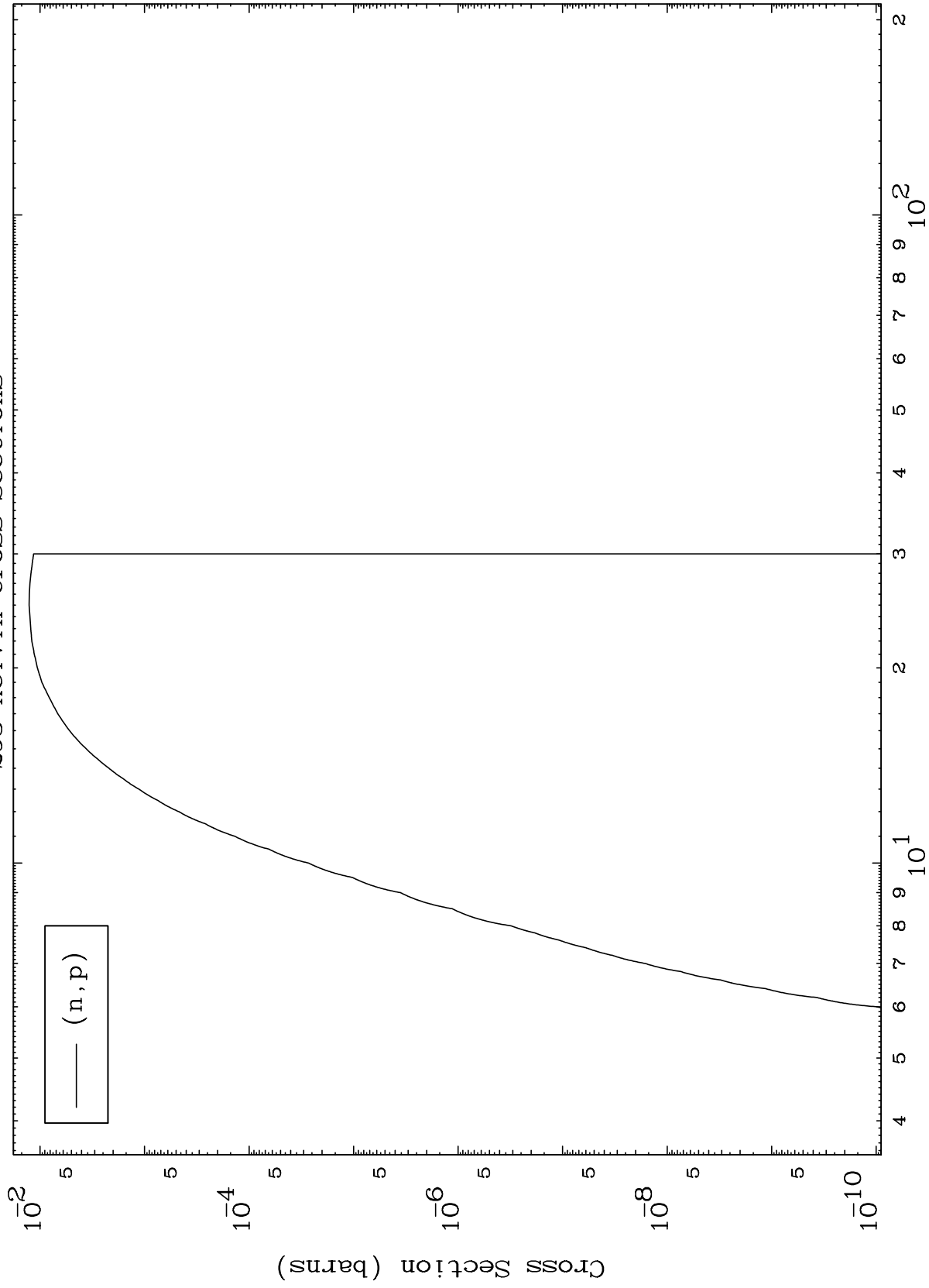
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-142



11

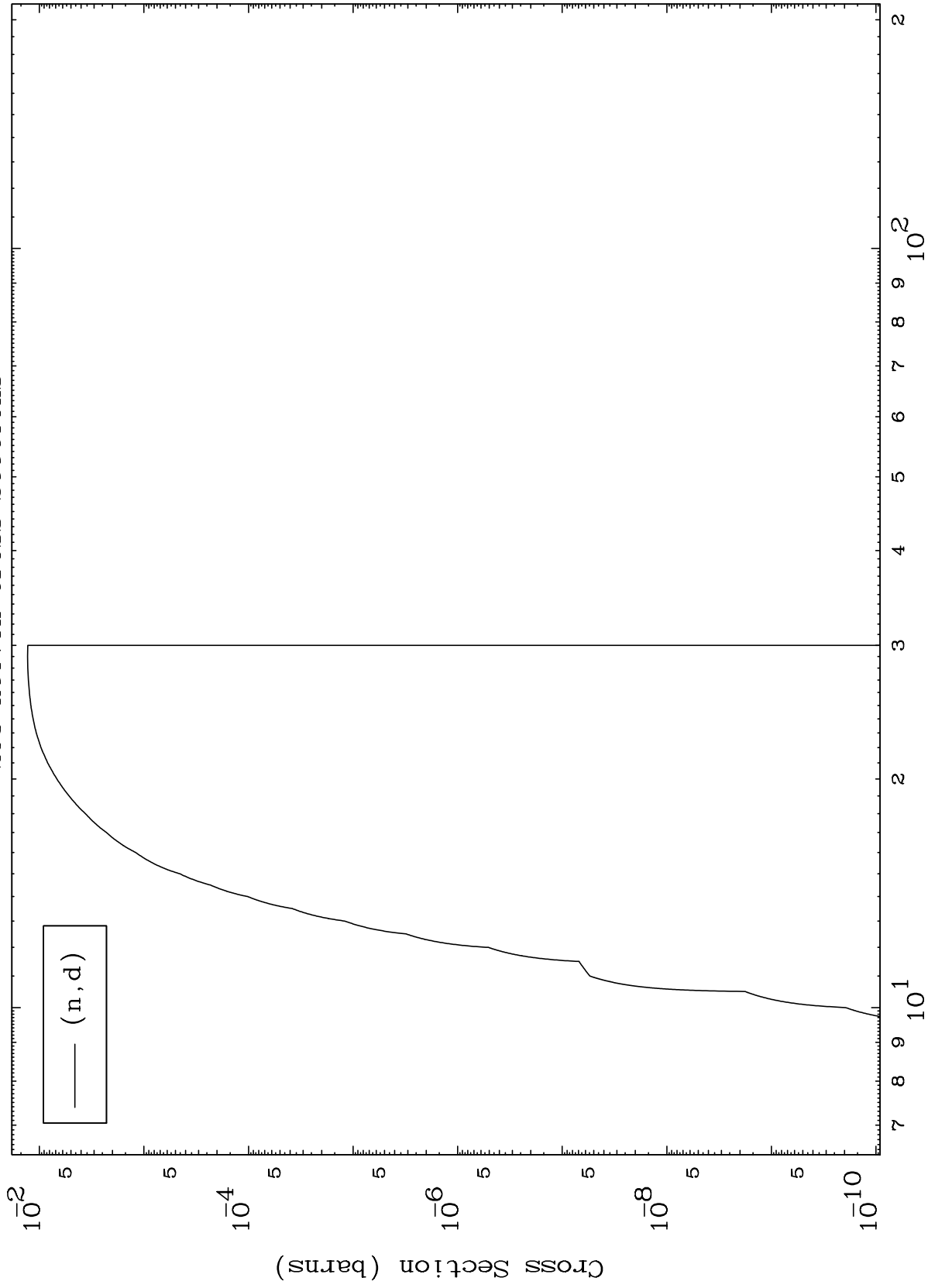
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-142



12

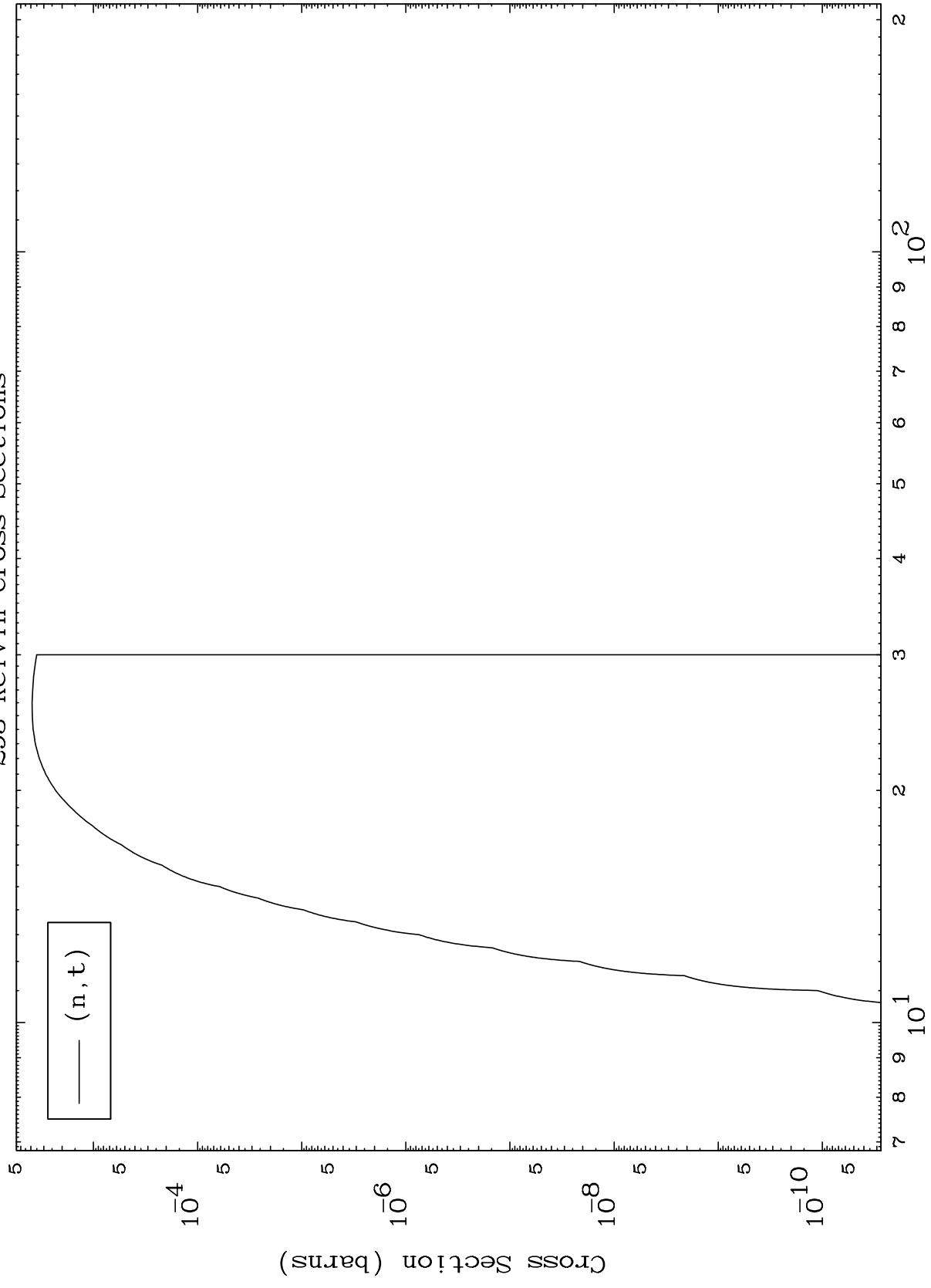
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-142



13

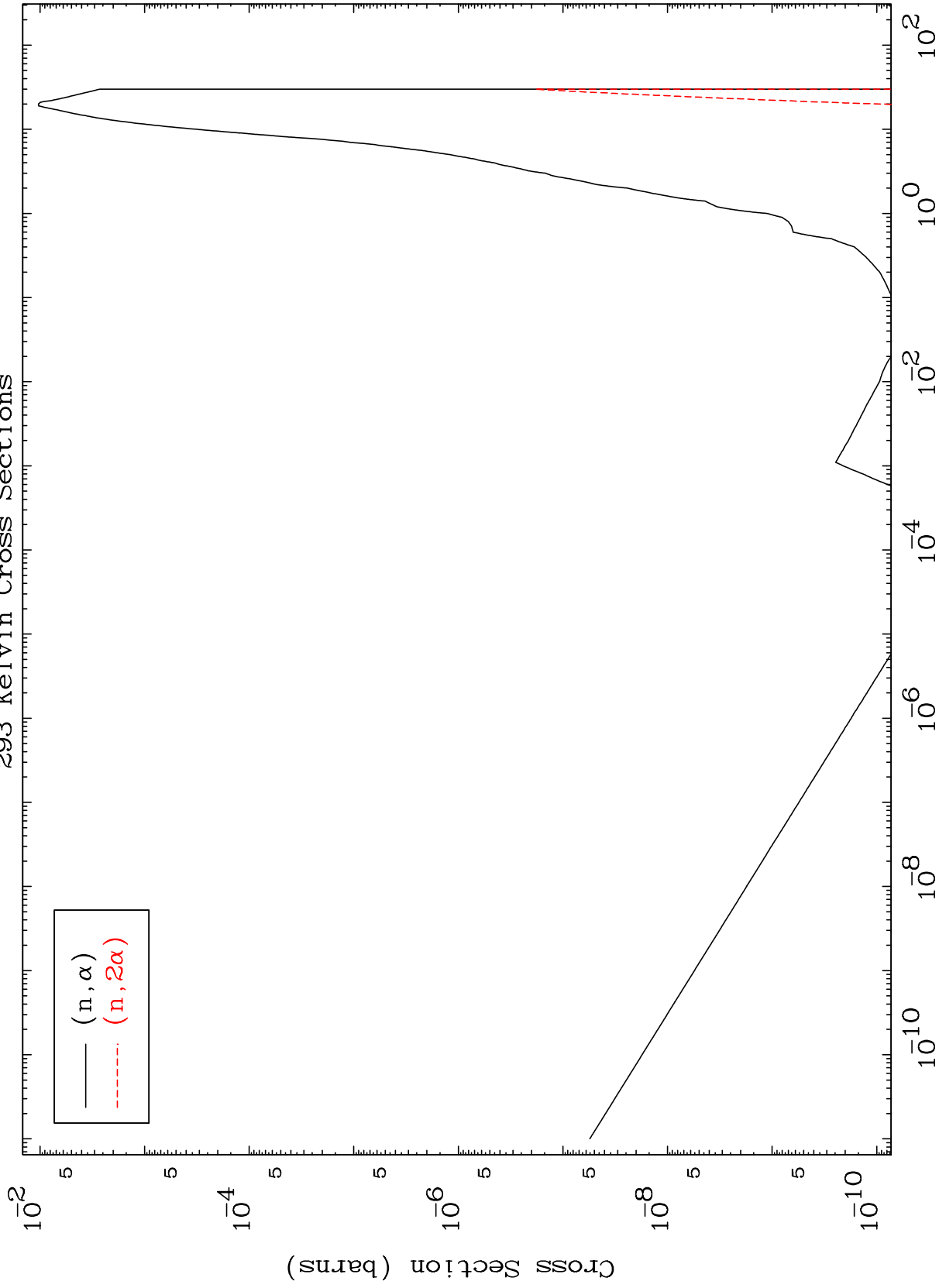
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,α) Levels
293 Kelvin Cross Sections

58-Ce-142



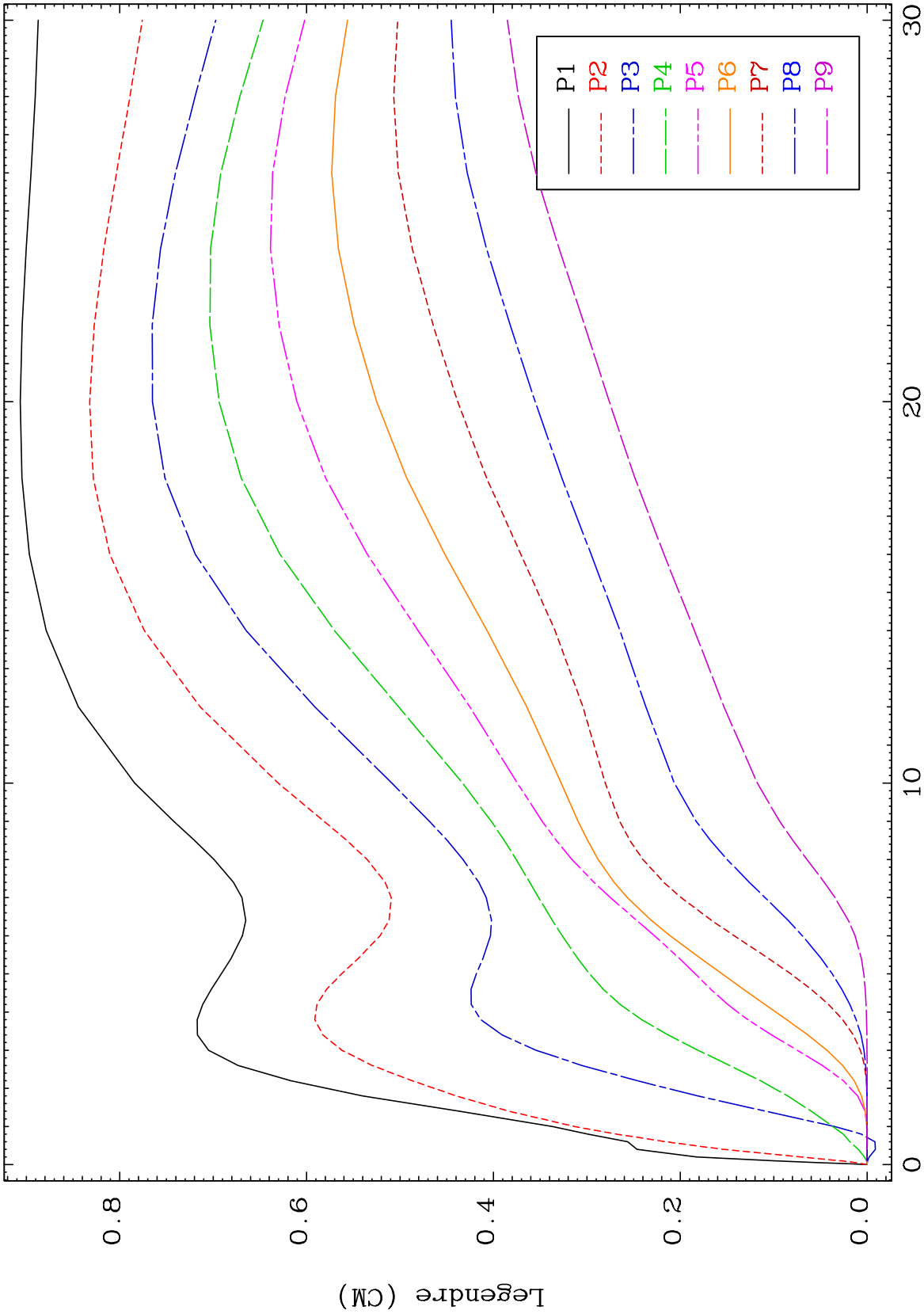
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58-Ce-142

MAT 5843

Elastic Legendre Coefficients

58-Ce-142



16

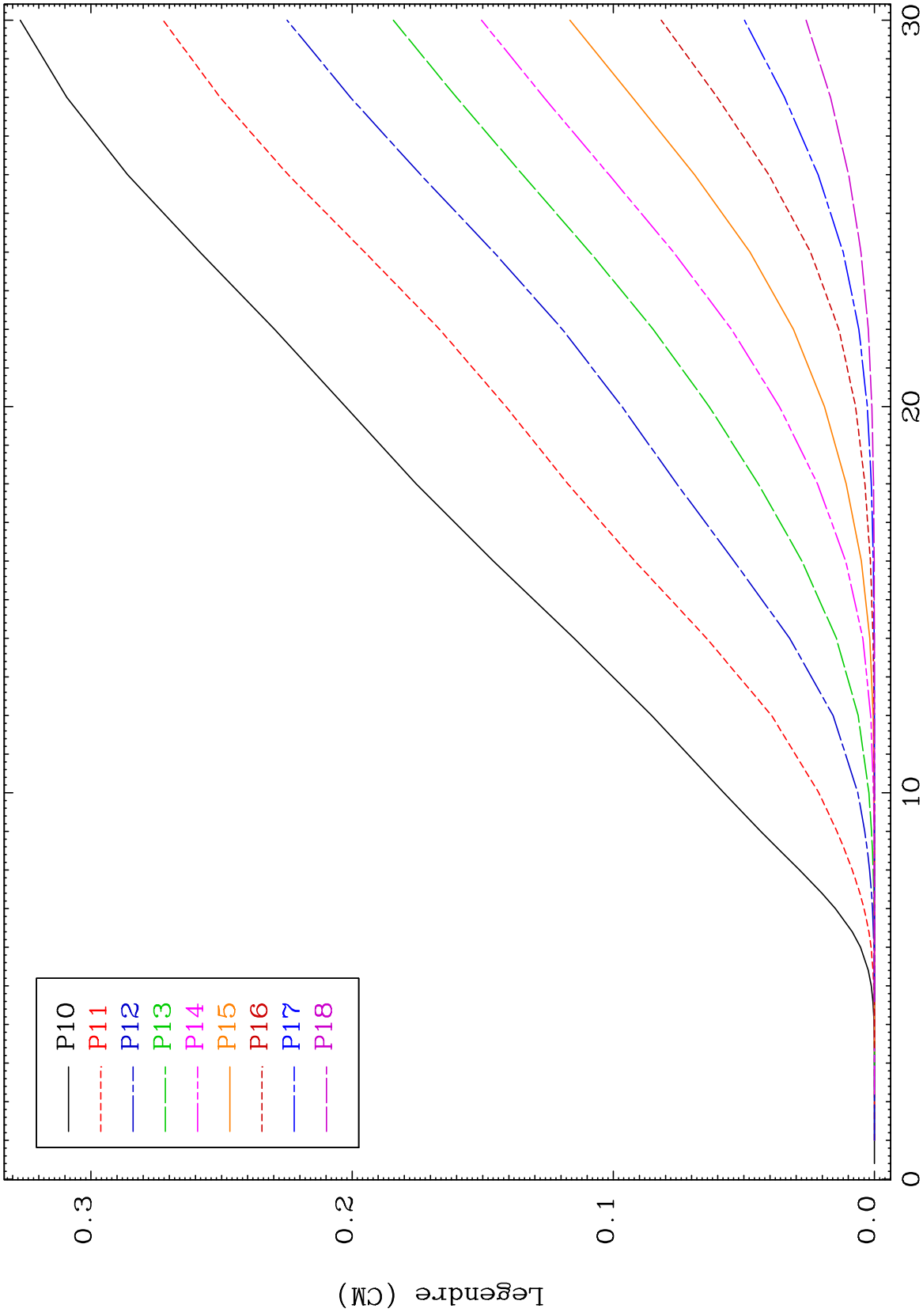
Incident Energy (MeV)

58-Ce-142

MAT 5843

Elastic Legendre Coefficients

58-Ce-142



17

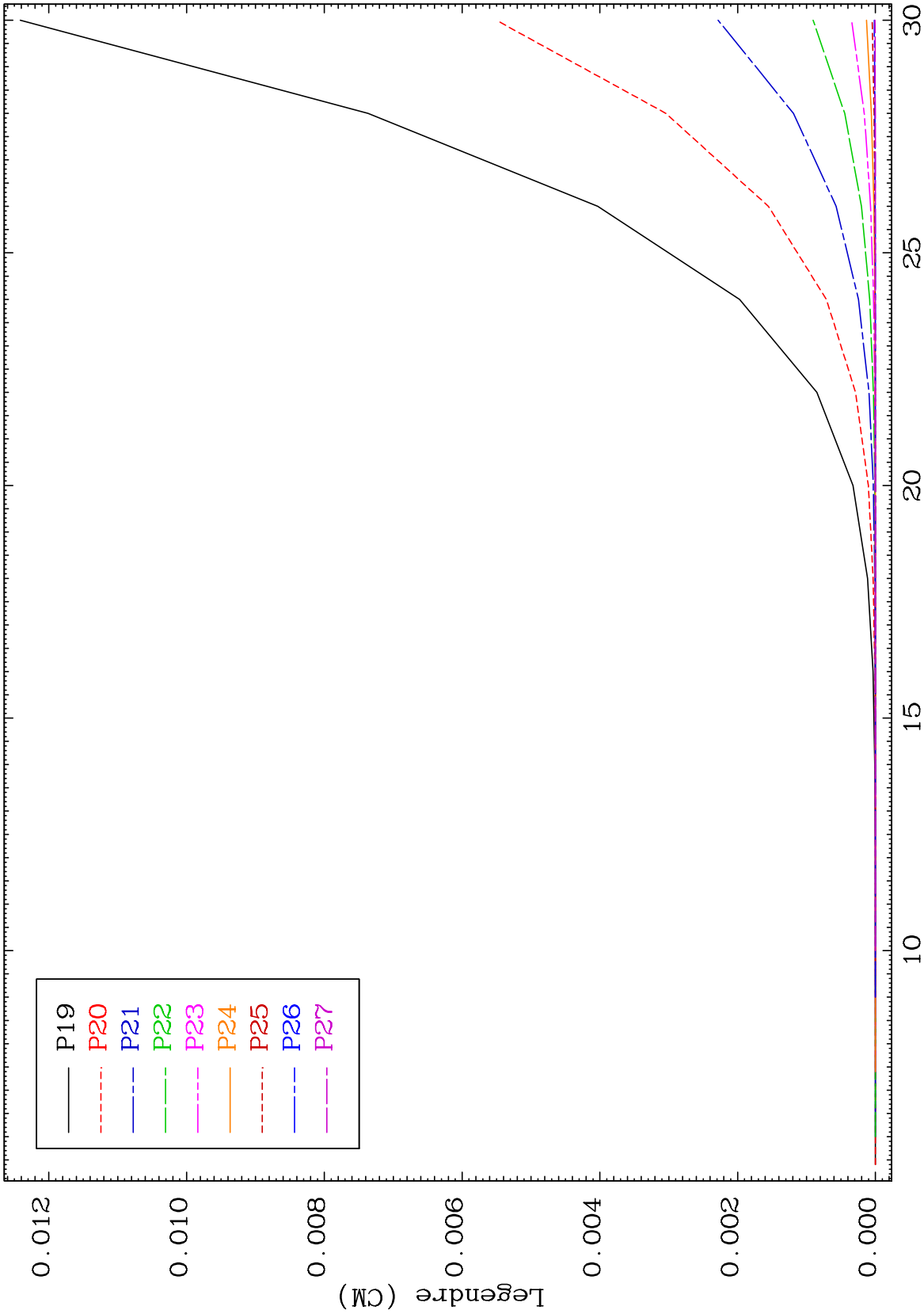
Incident Energy (MeV)

58-Ce-142

MAT 5843

Elastic Legendre Coefficients

58-Ce-142



18

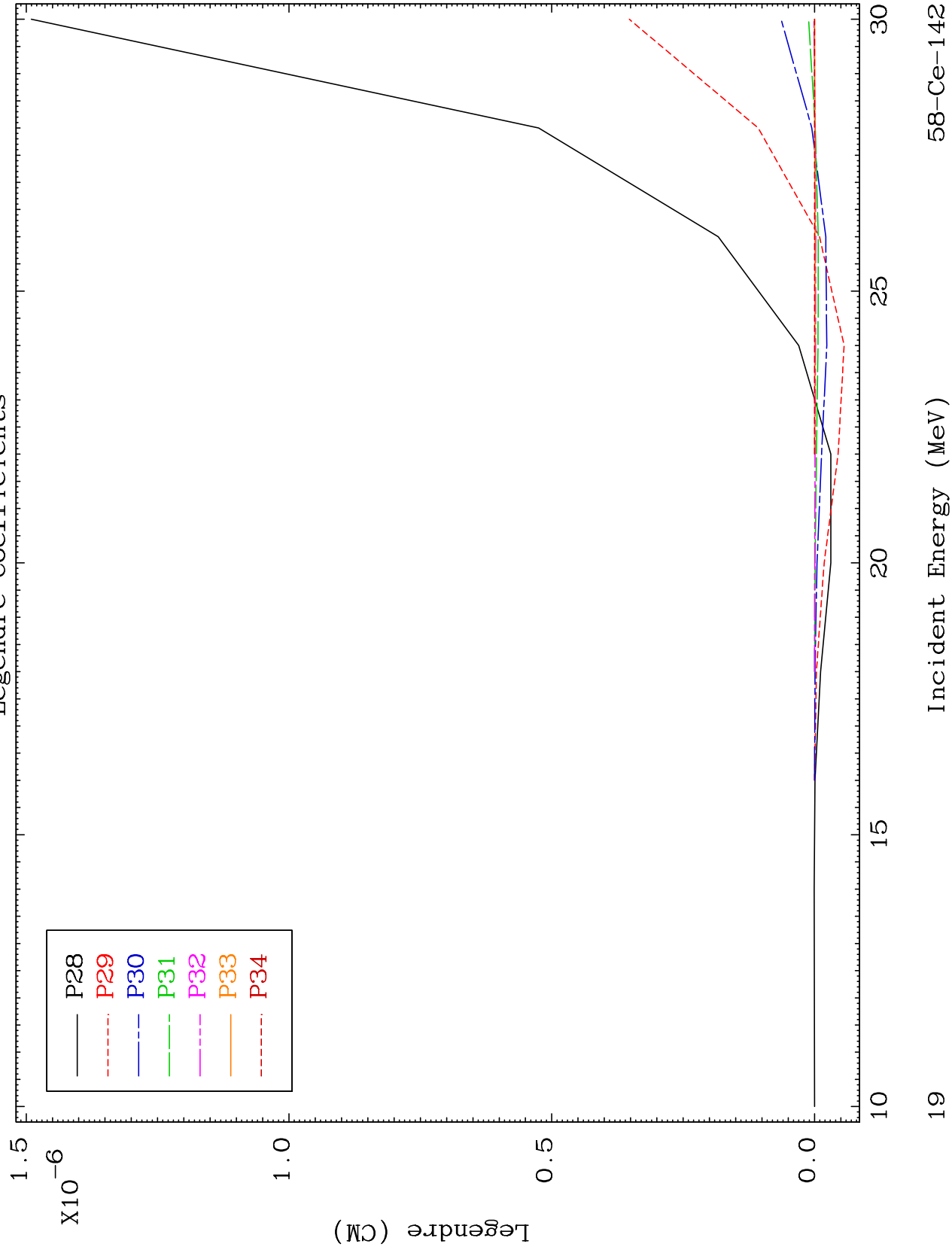
Incident Energy (MeV)

58-Ce-142

MAT 5843

Elastic Legendre Coefficients

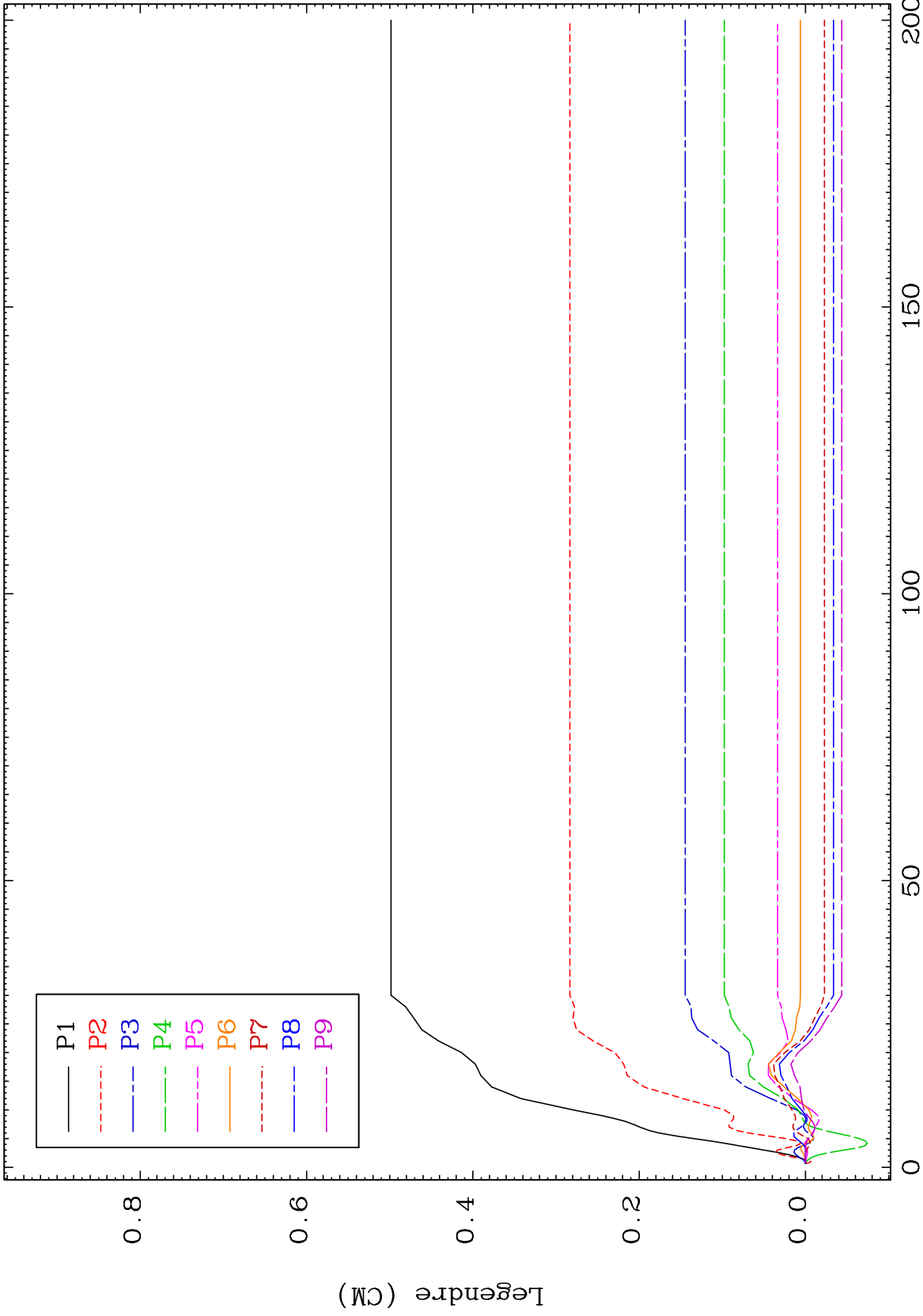
58-Ce-142



MAT 5843

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

58-Ce-142



0

50

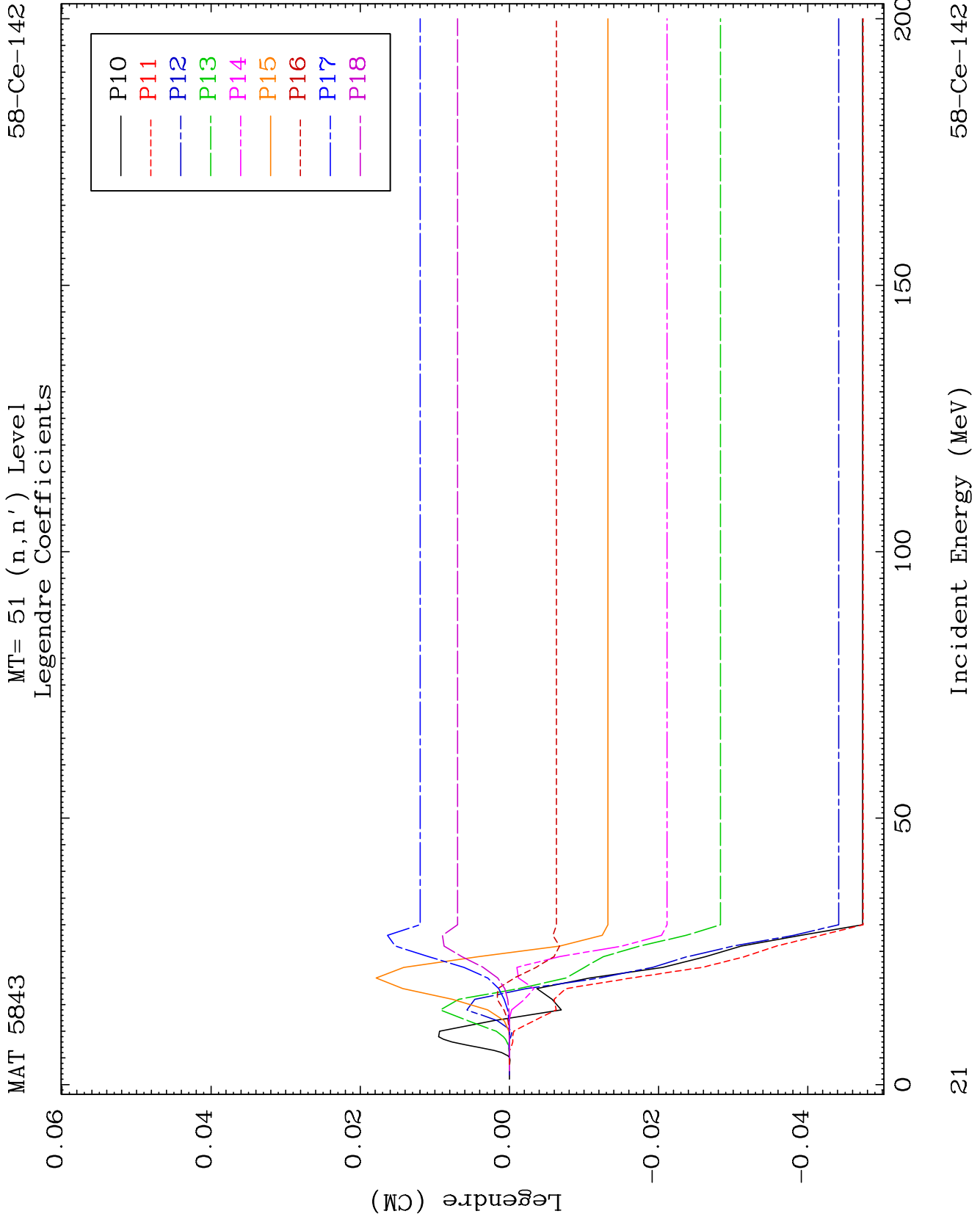
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150

200

Incident Energy (MeV)

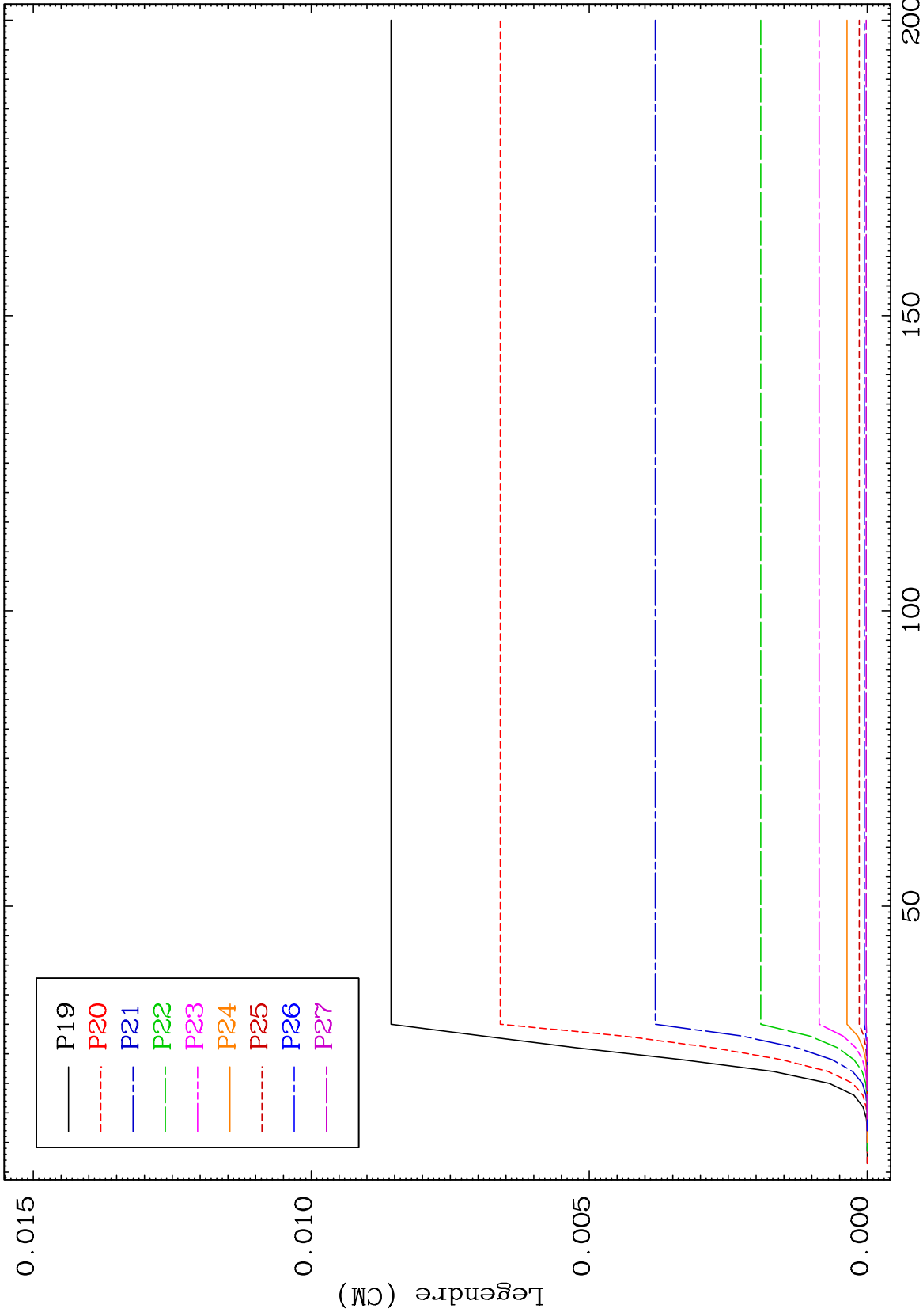
58-Ce-142



MAT 5843

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

58-Ce-142



22

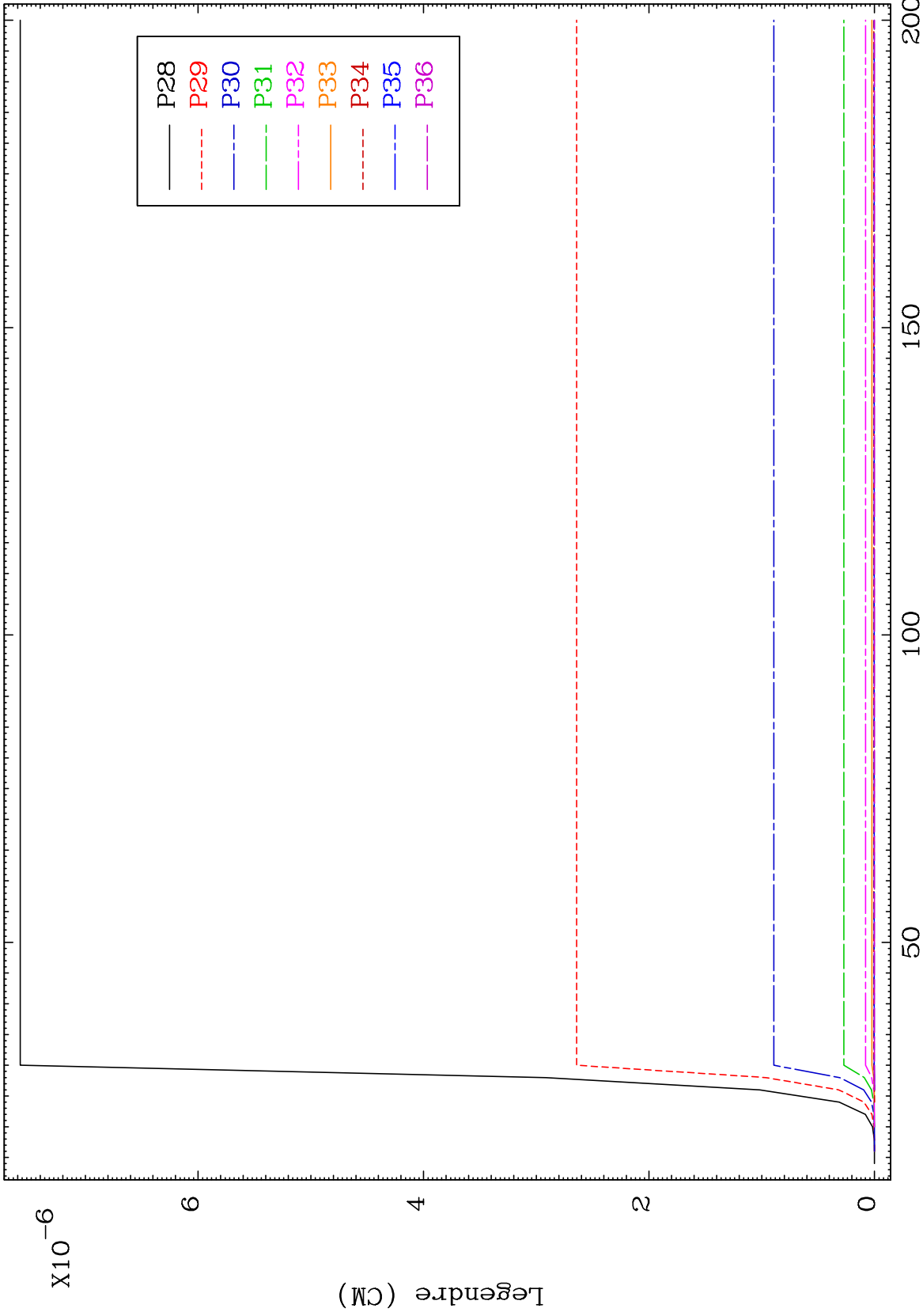
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



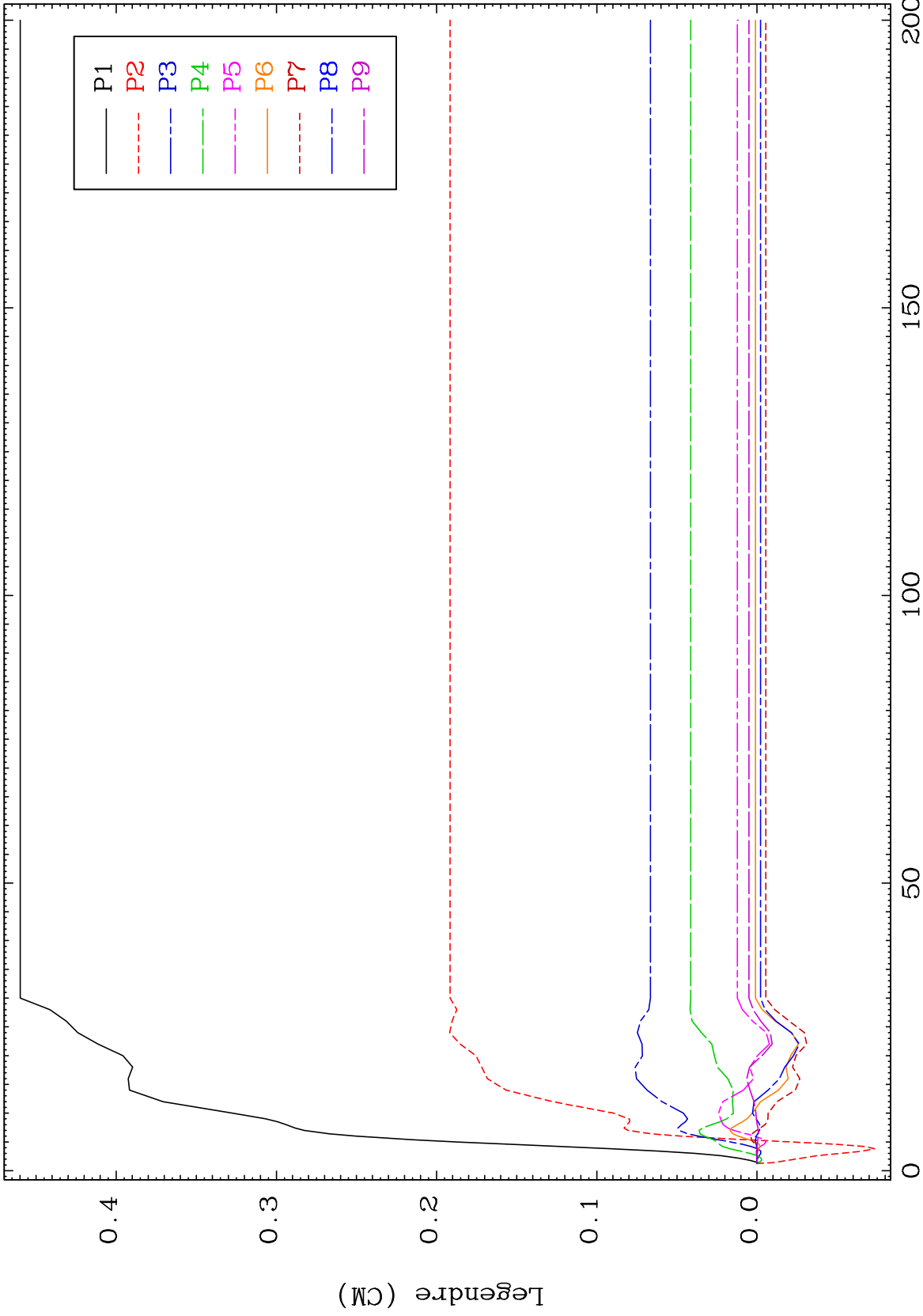
23

58-Ce-142

MAT 5843

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

58-Ce-142



24

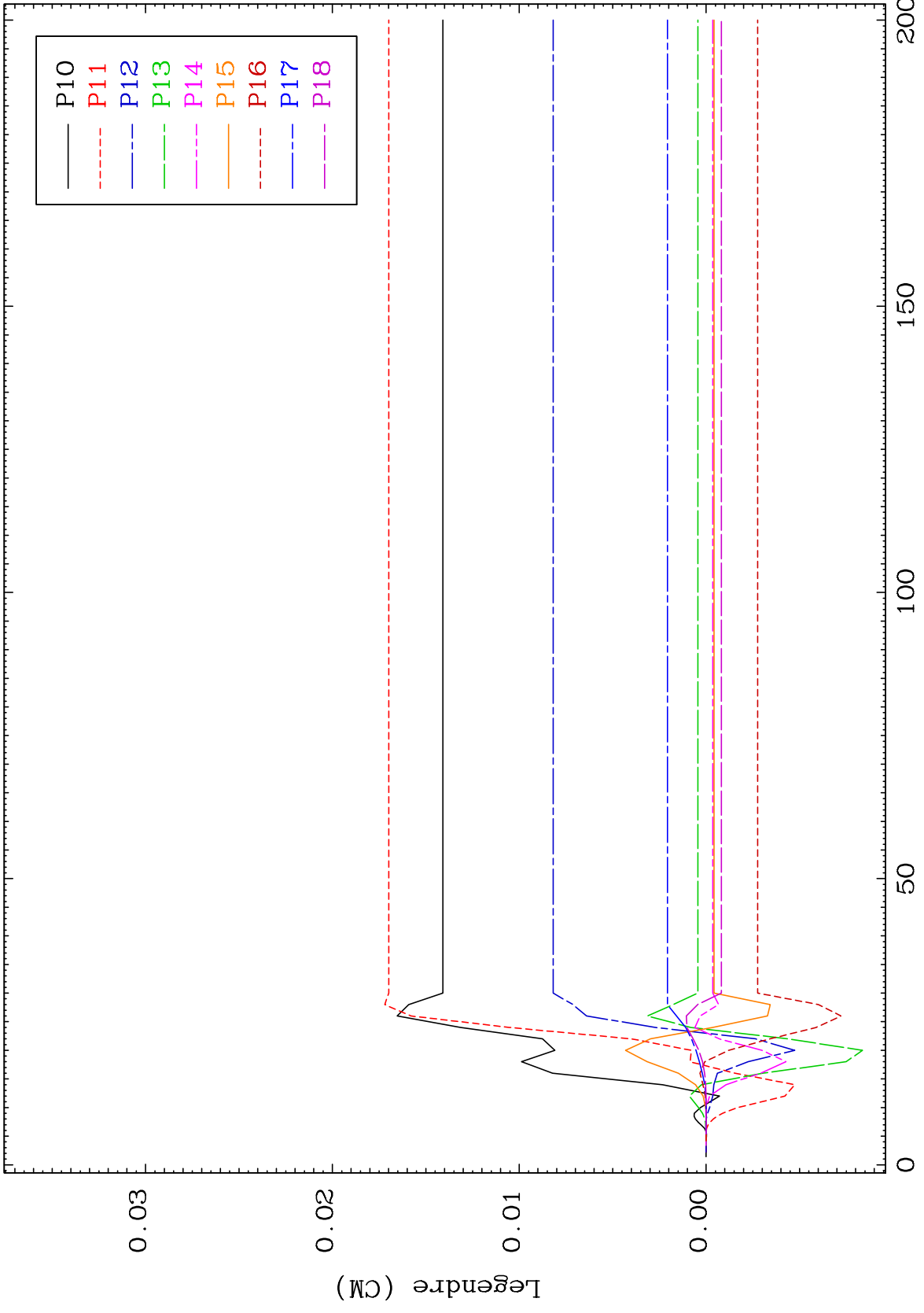
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



25

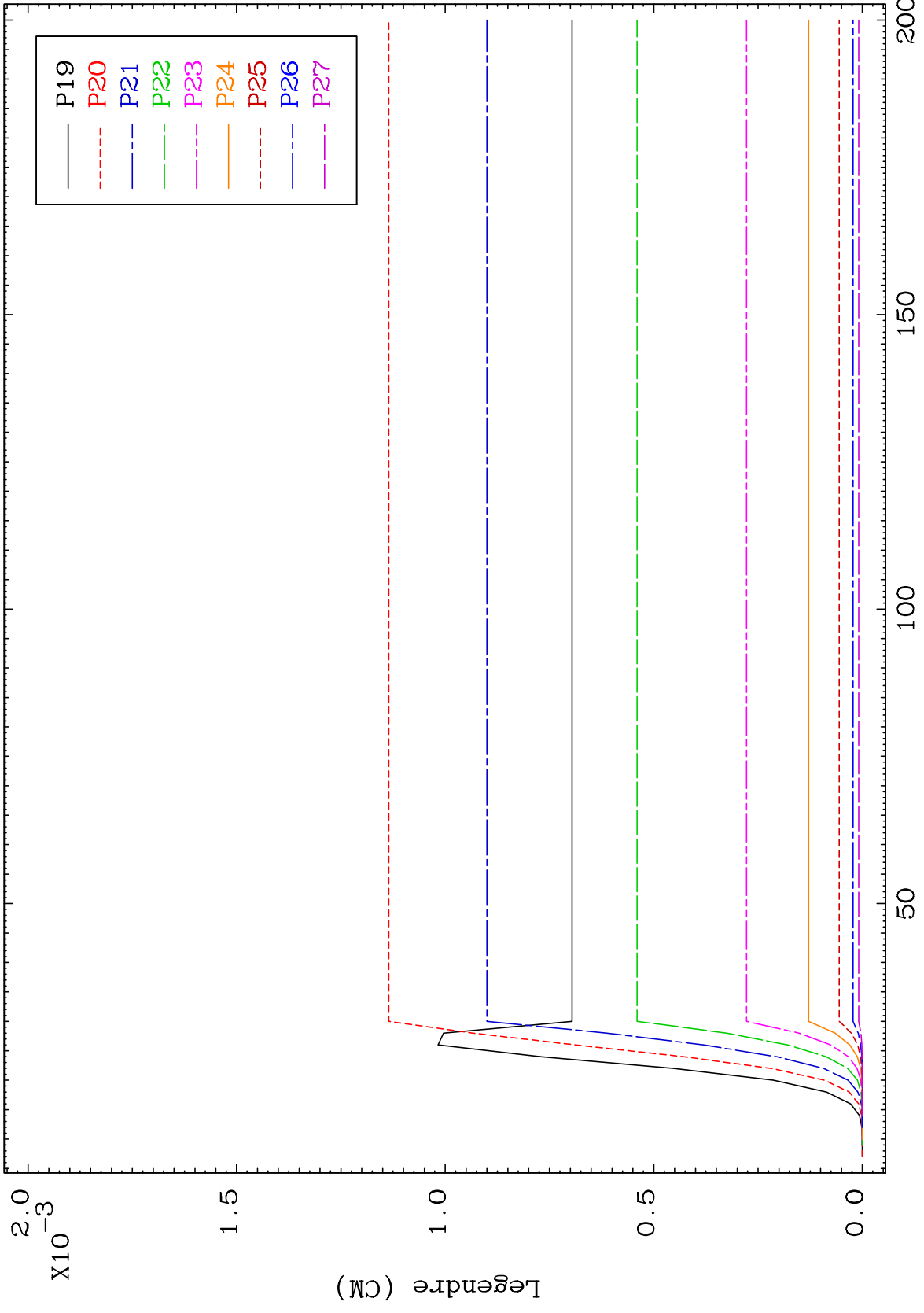
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



26

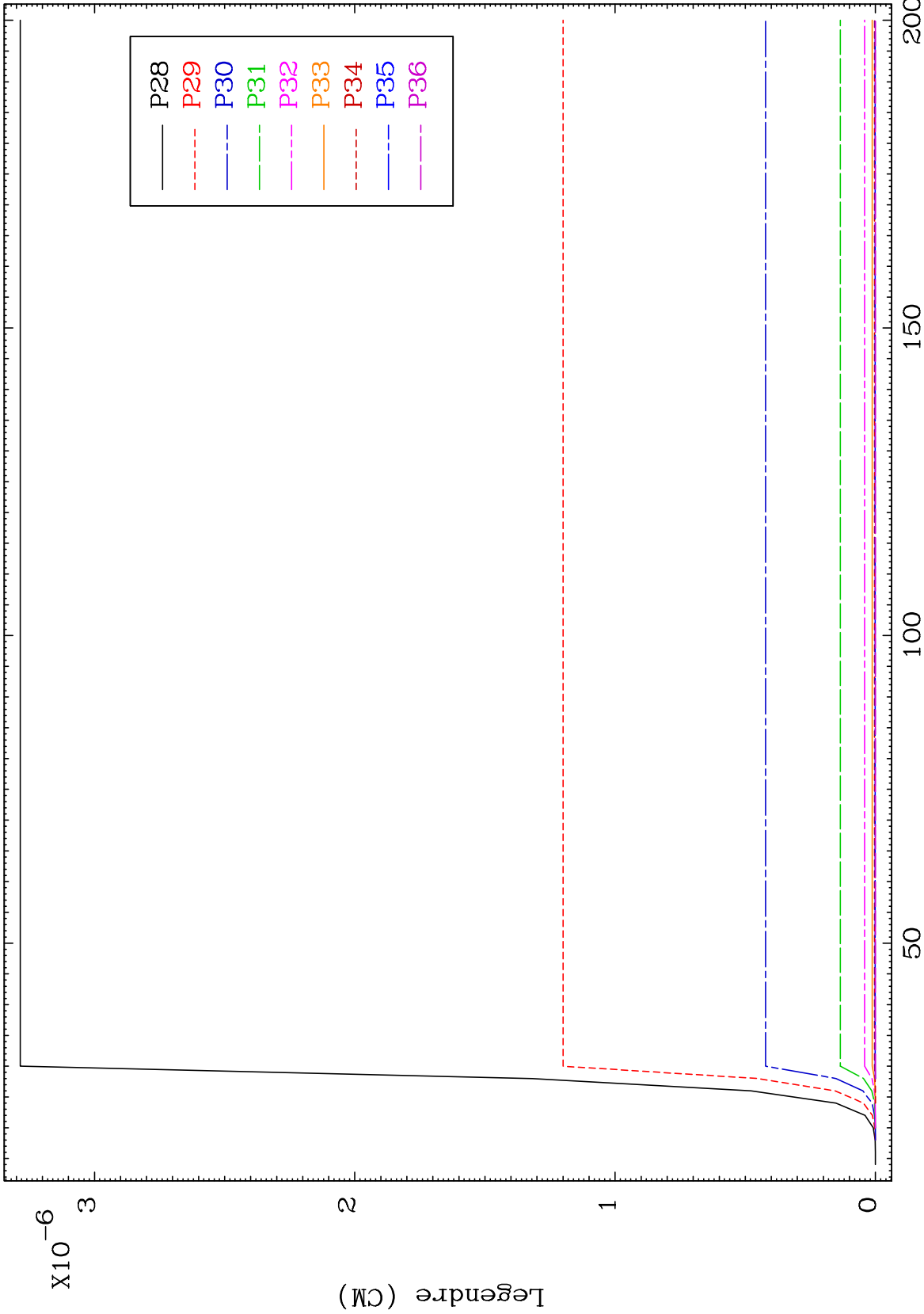
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142

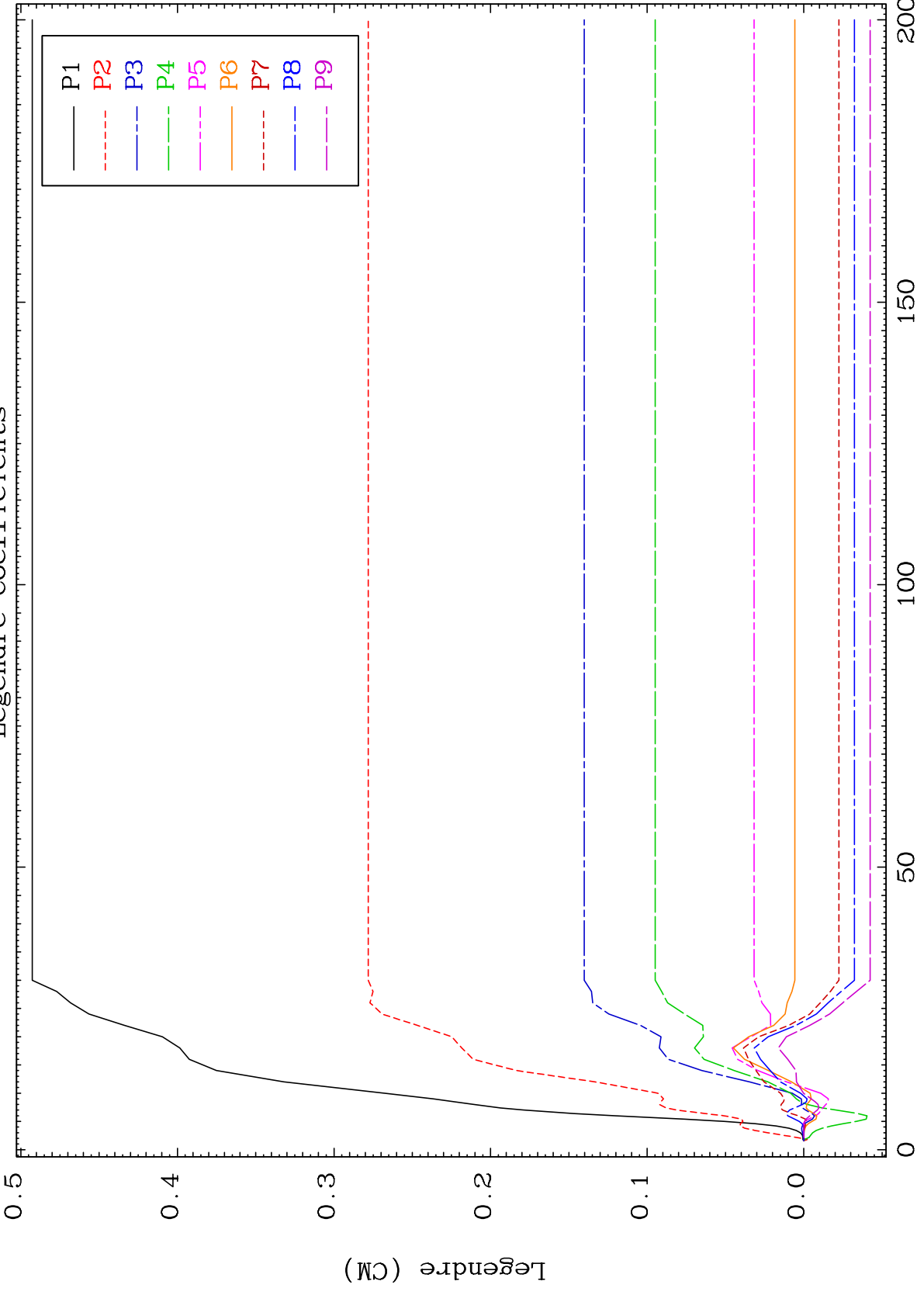


27

Incident Energy (MeV)

58-Ce-142

MAT 5843 MT= 53 (n,n') Level Legendre Coefficients 58-Ce-142

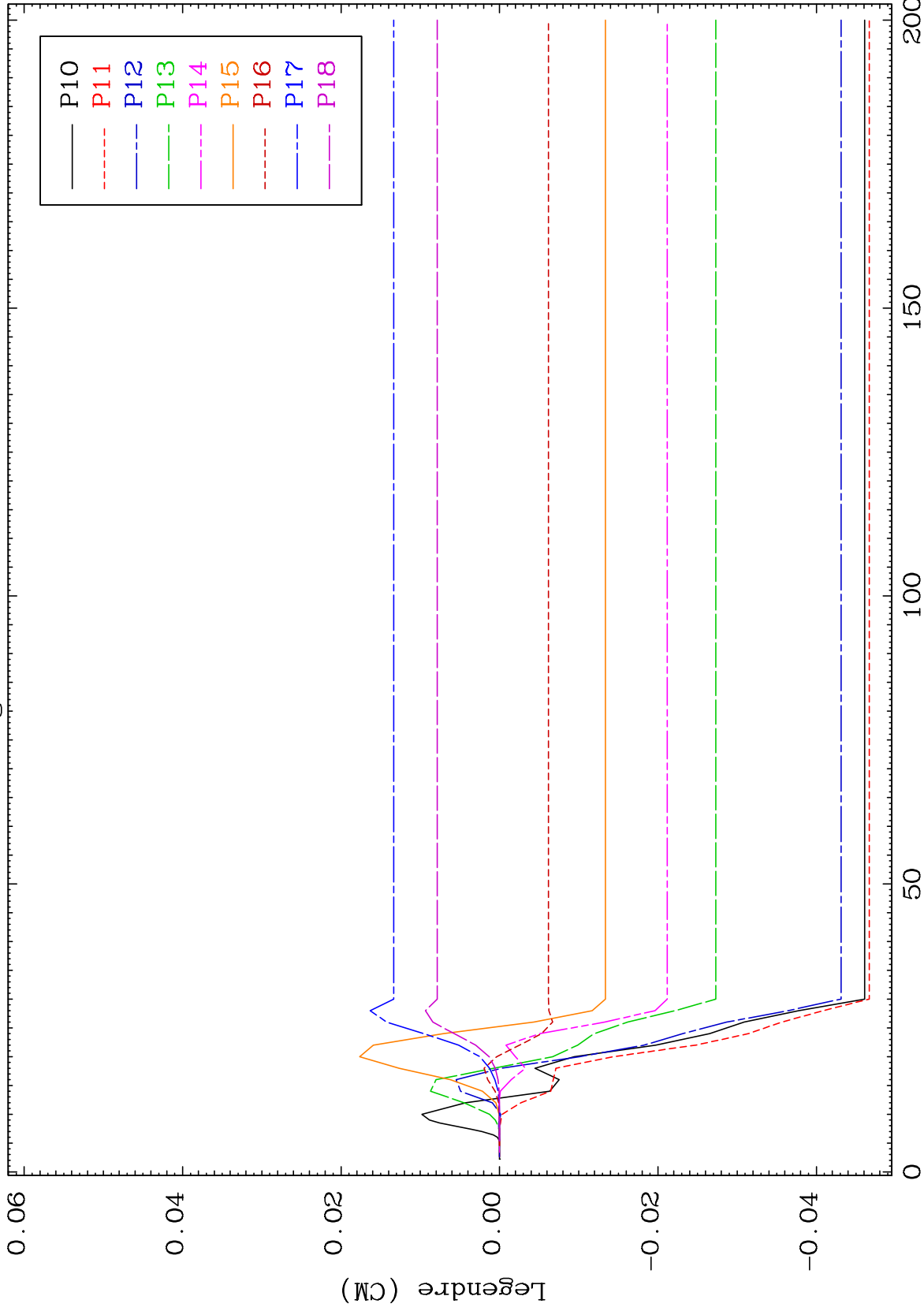


28 58-Ce-142

MAT 5843

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

58-Ce-142



29

Incident Energy (MeV)

58-Ce-142

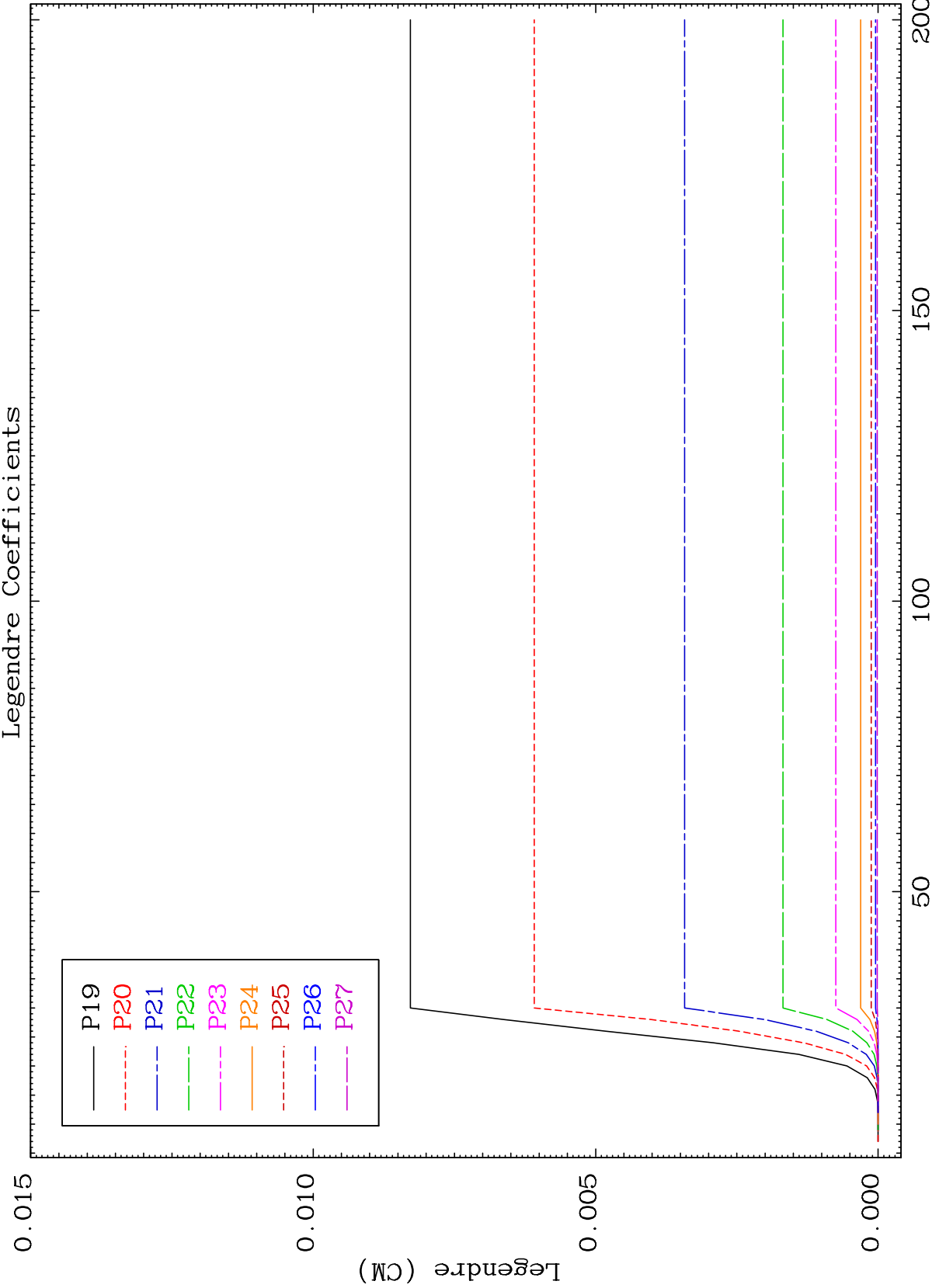
MAT 5843 MT= 53 (n,n') Level Legendre Coefficients

58-Ce-142

58-Ce-142

Incident Energy (MeV)

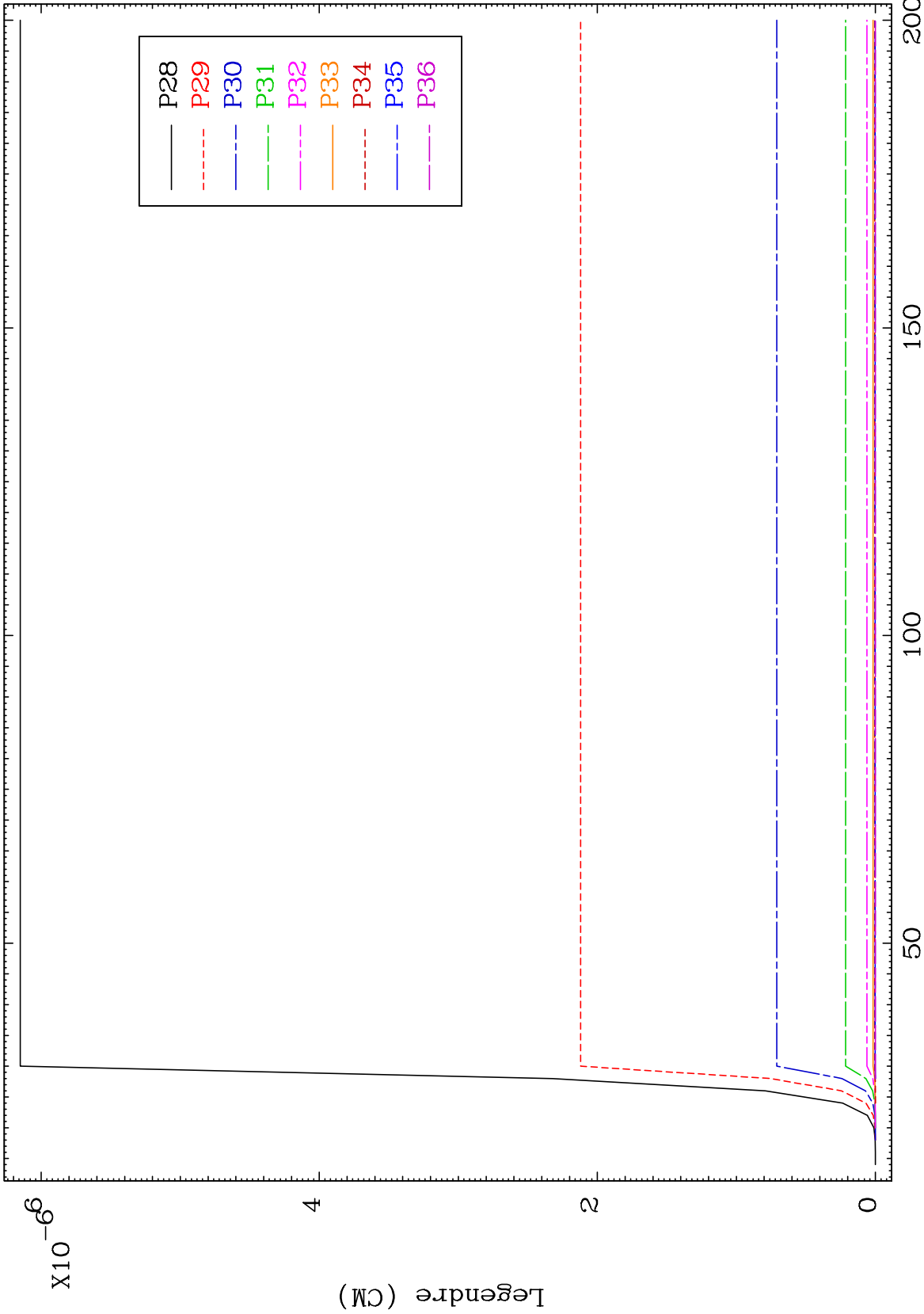
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MAT 5843

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

58-Ce-142



31

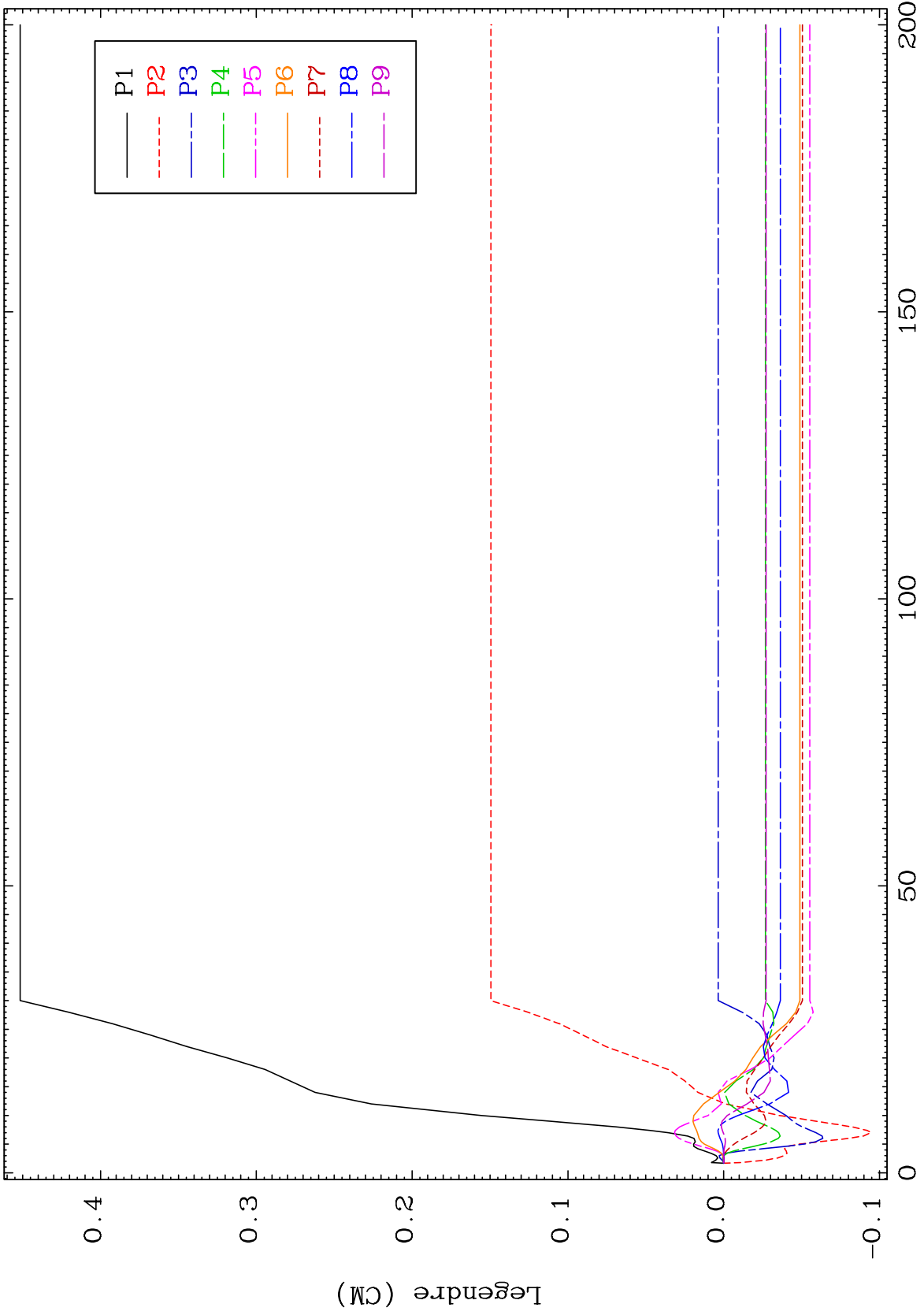
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142

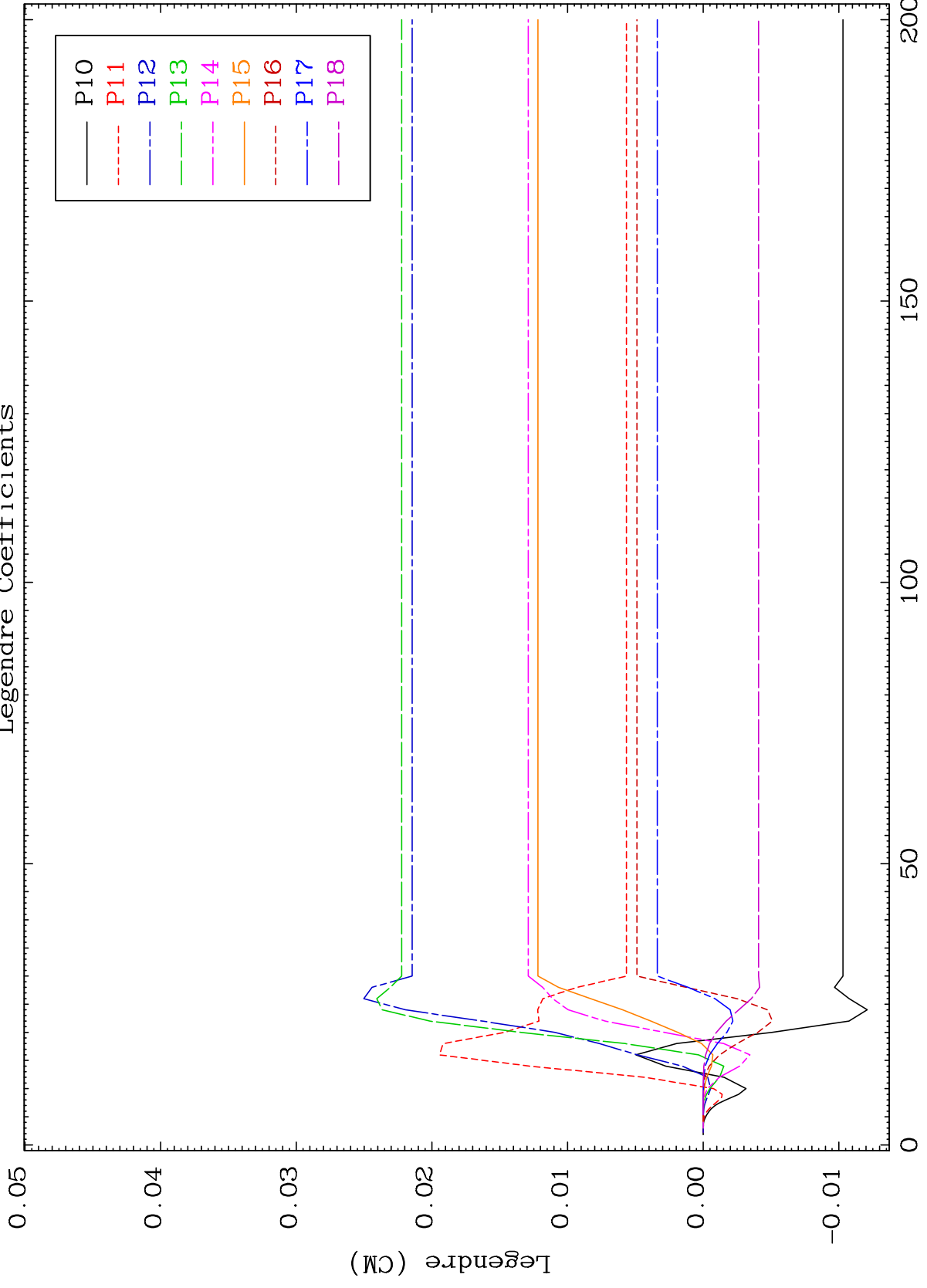


32

Incident Energy (MeV)

58-Ce-142

MAT 5843 MT= 54 (n,n') Level Legendre Coefficients 58-Ce-142

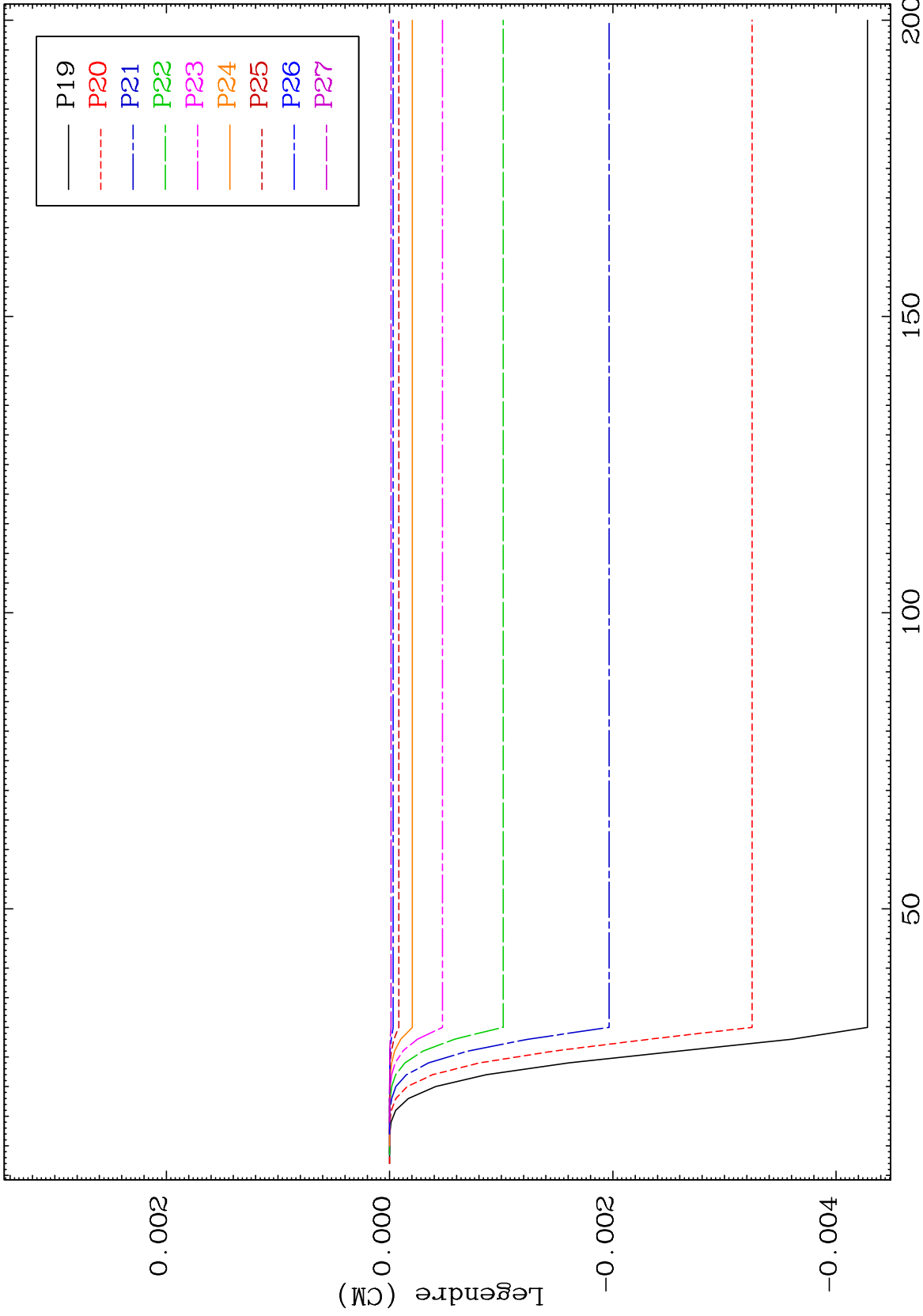


33 58-Ce-142

MAT 5843

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

58-Ce-142



34

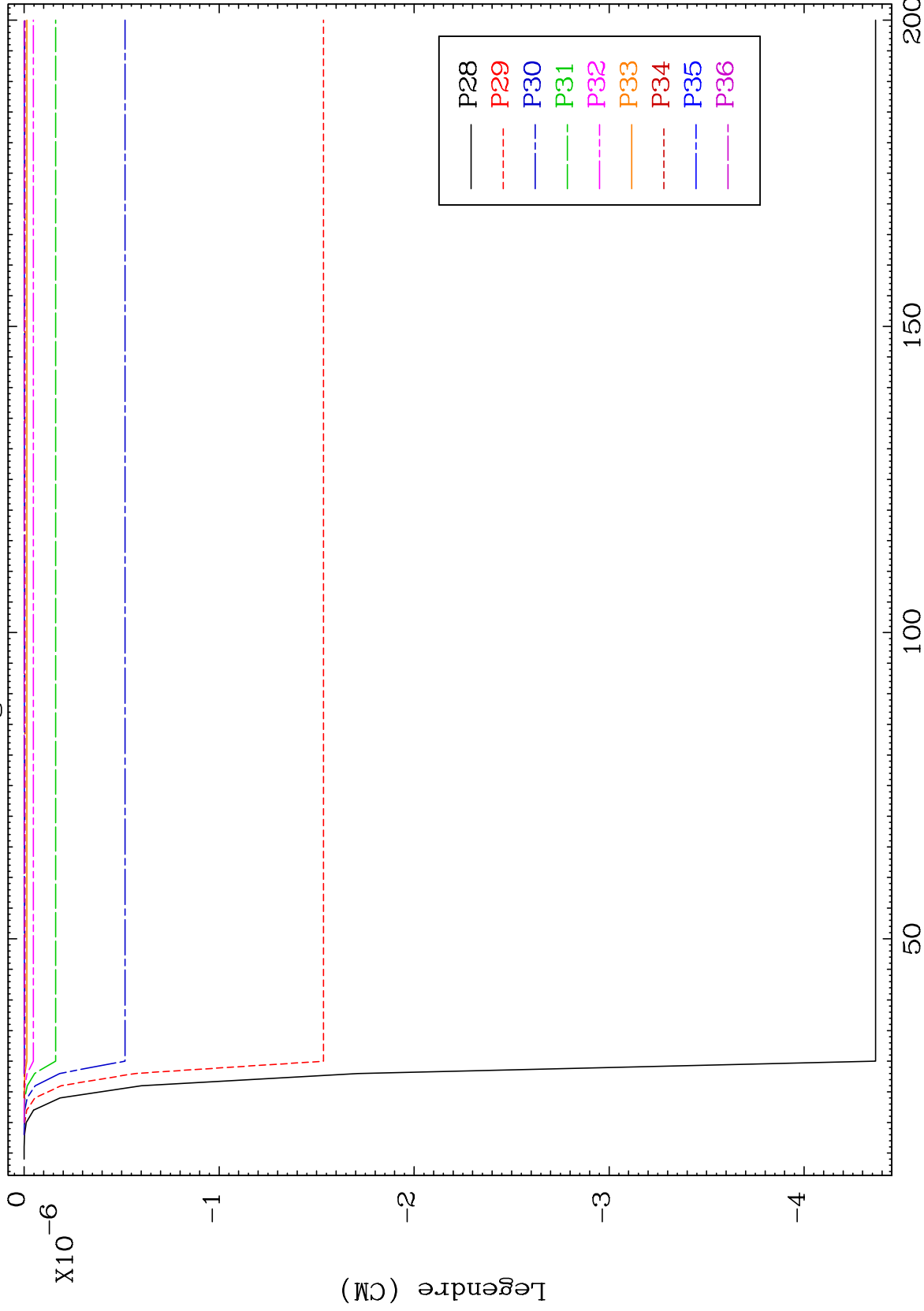
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

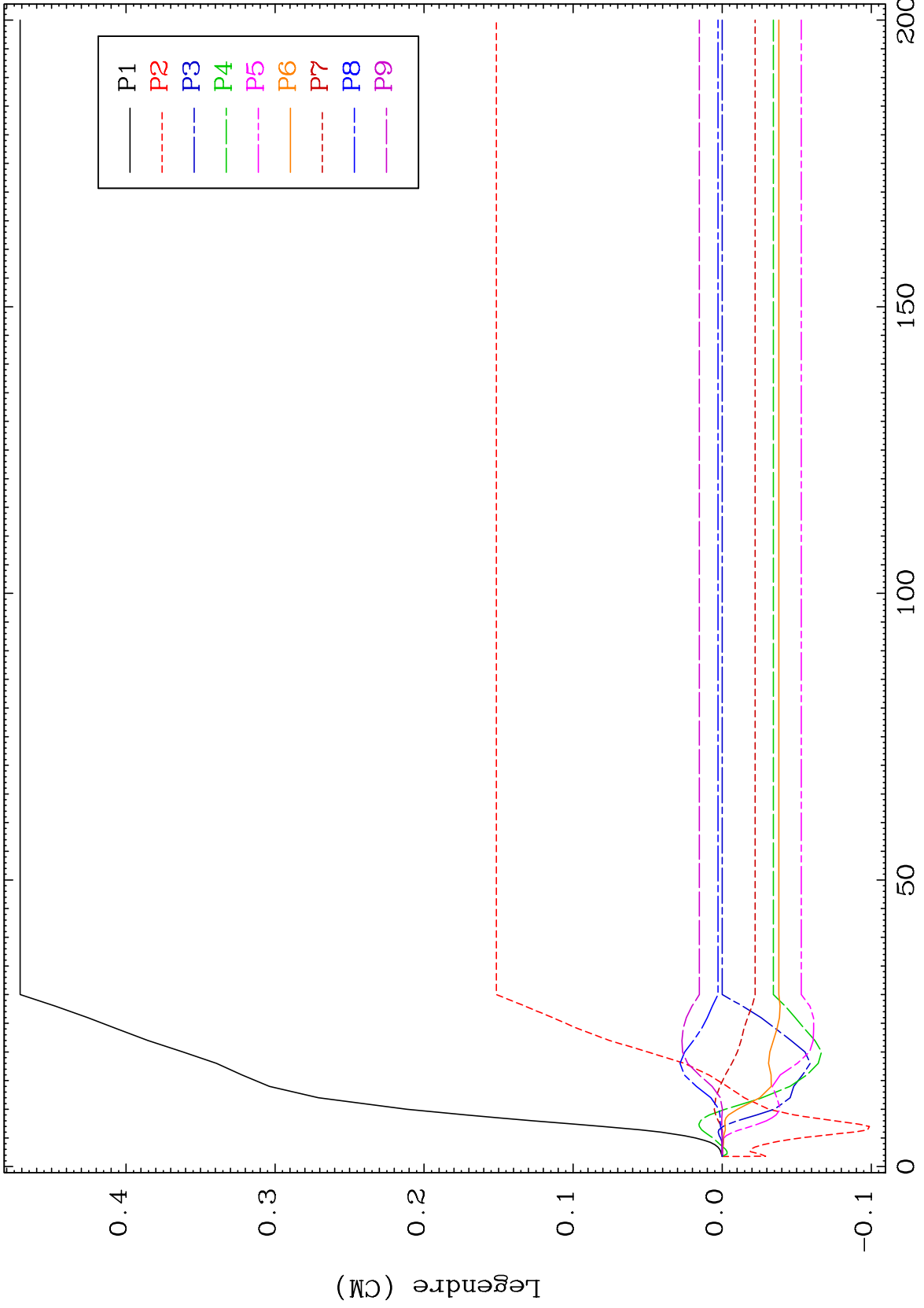
Incident Energy (MeV)

35

MAT 5843

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

58-Ce-142



36

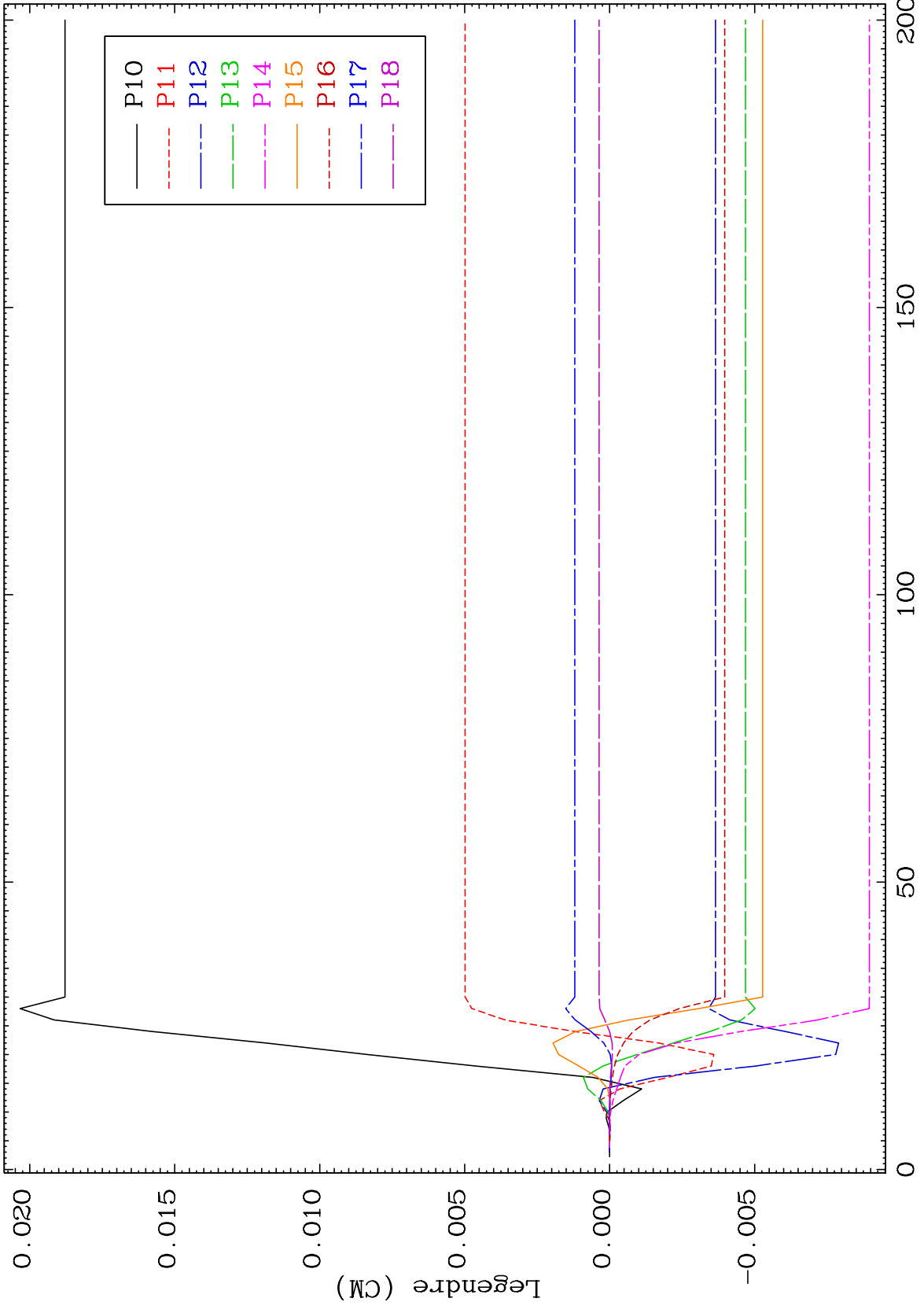
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



37

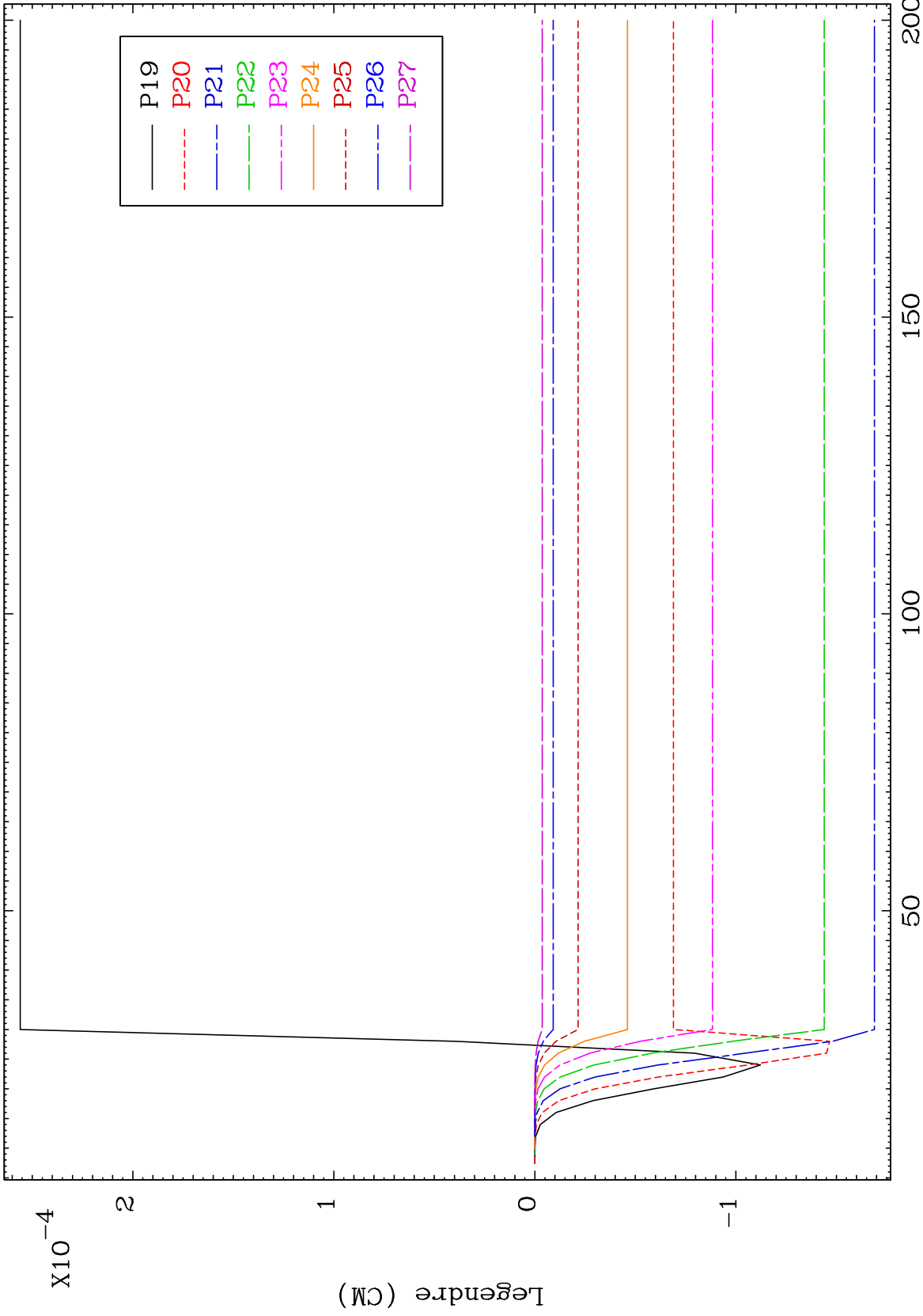
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



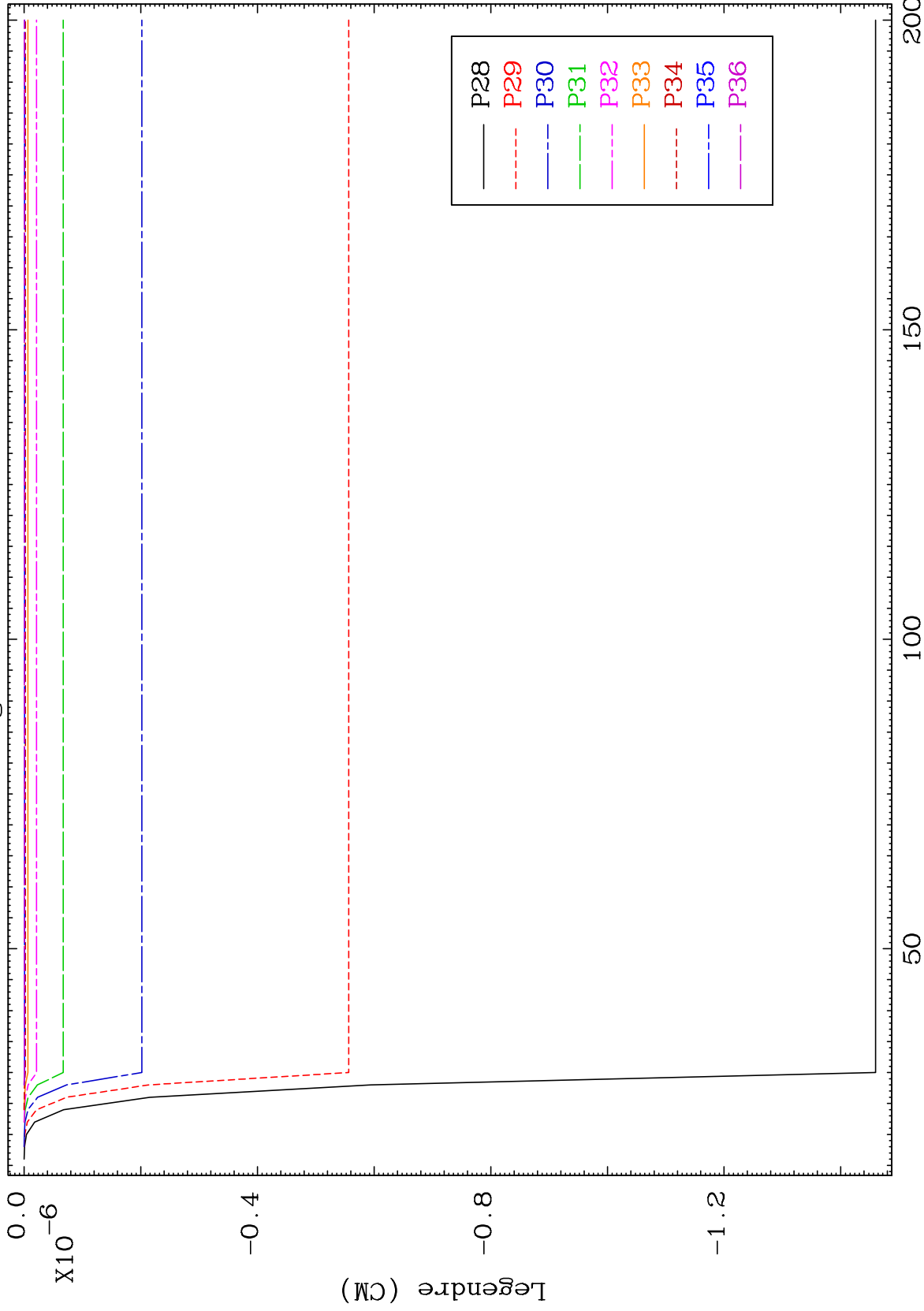
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58-Ce-142

MAT 5843

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

58-Ce-142



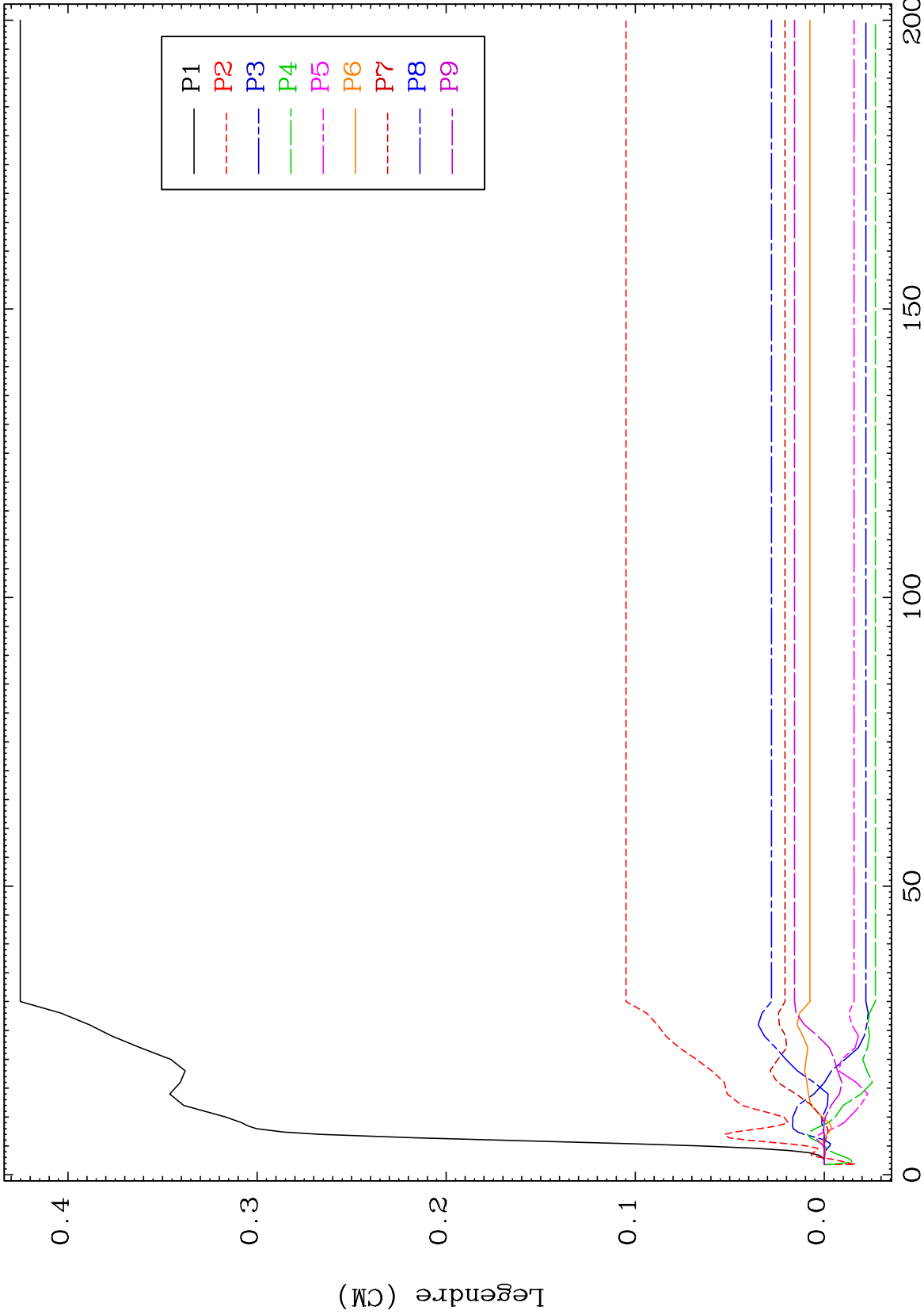
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58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

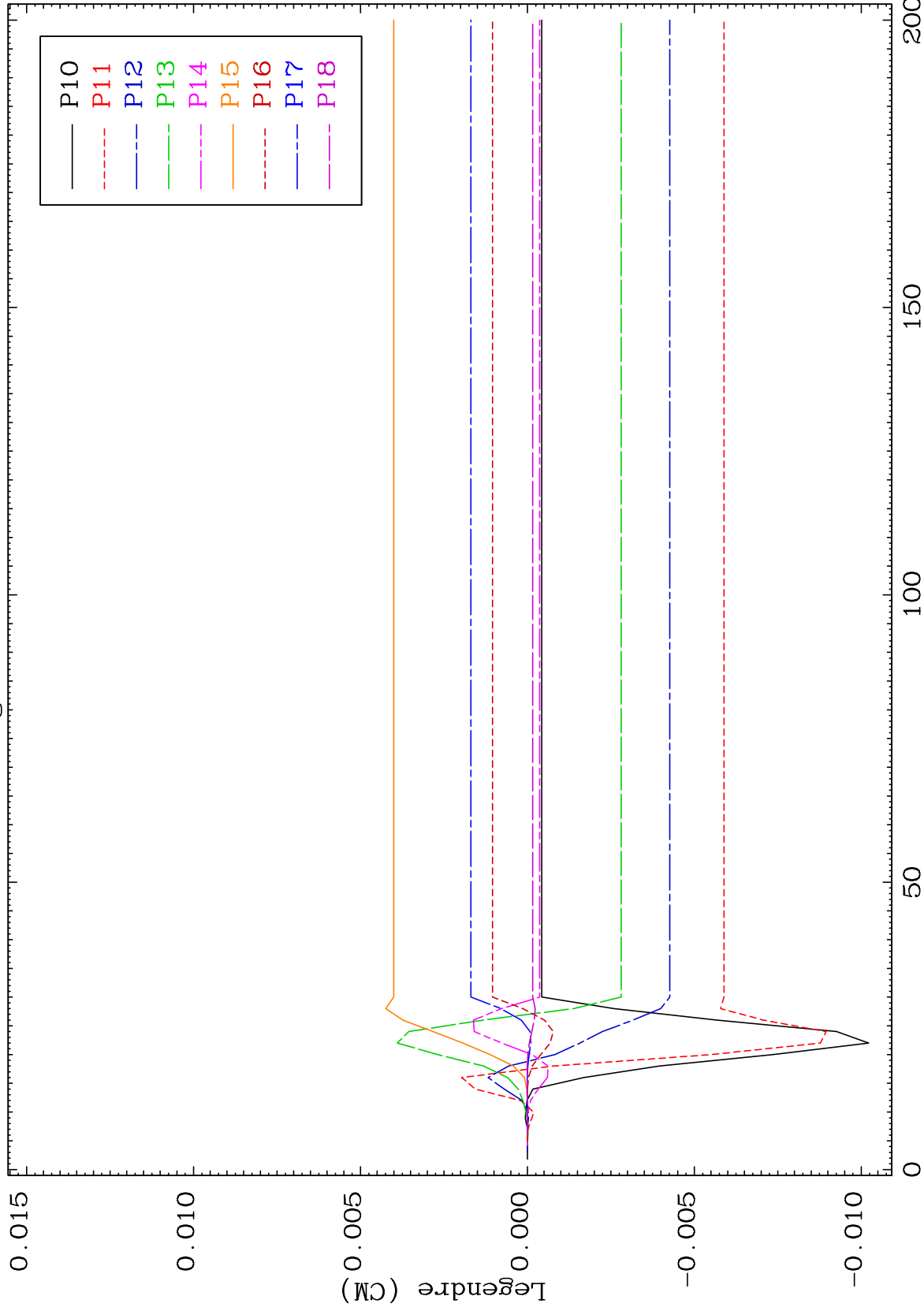
Incident Energy (MeV)

40

MAT 5843

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

58-Ce-142



41

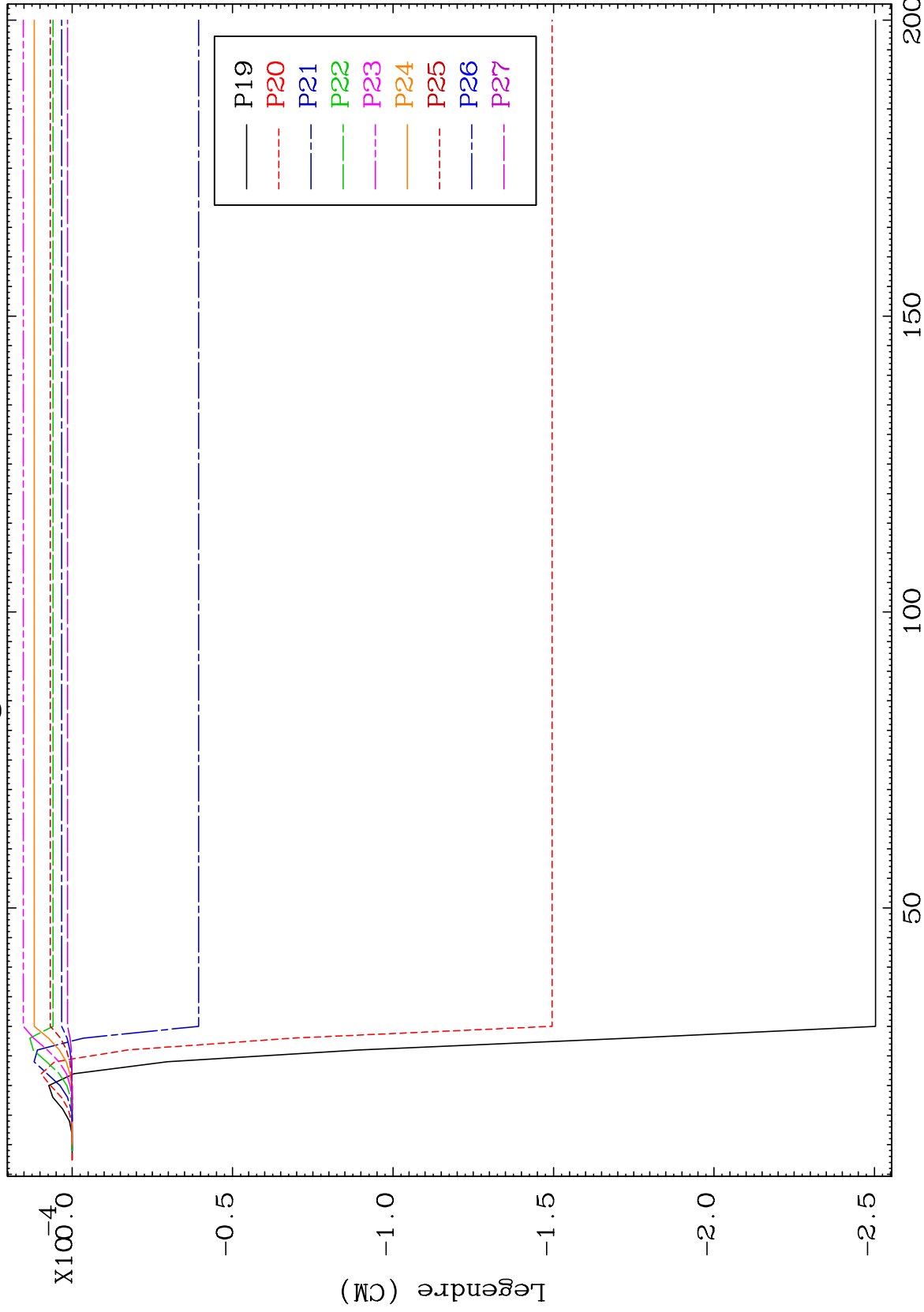
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



42

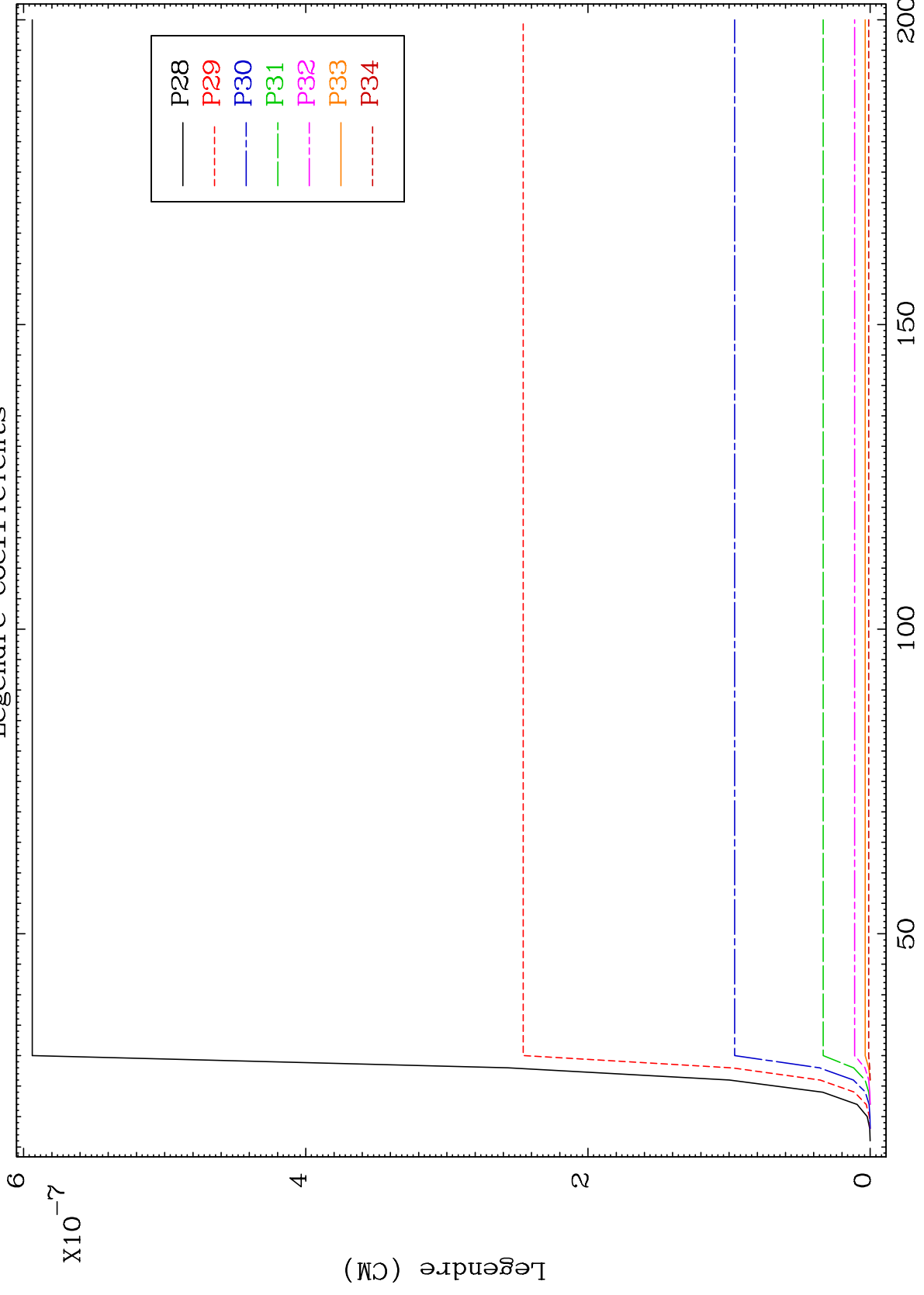
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



43

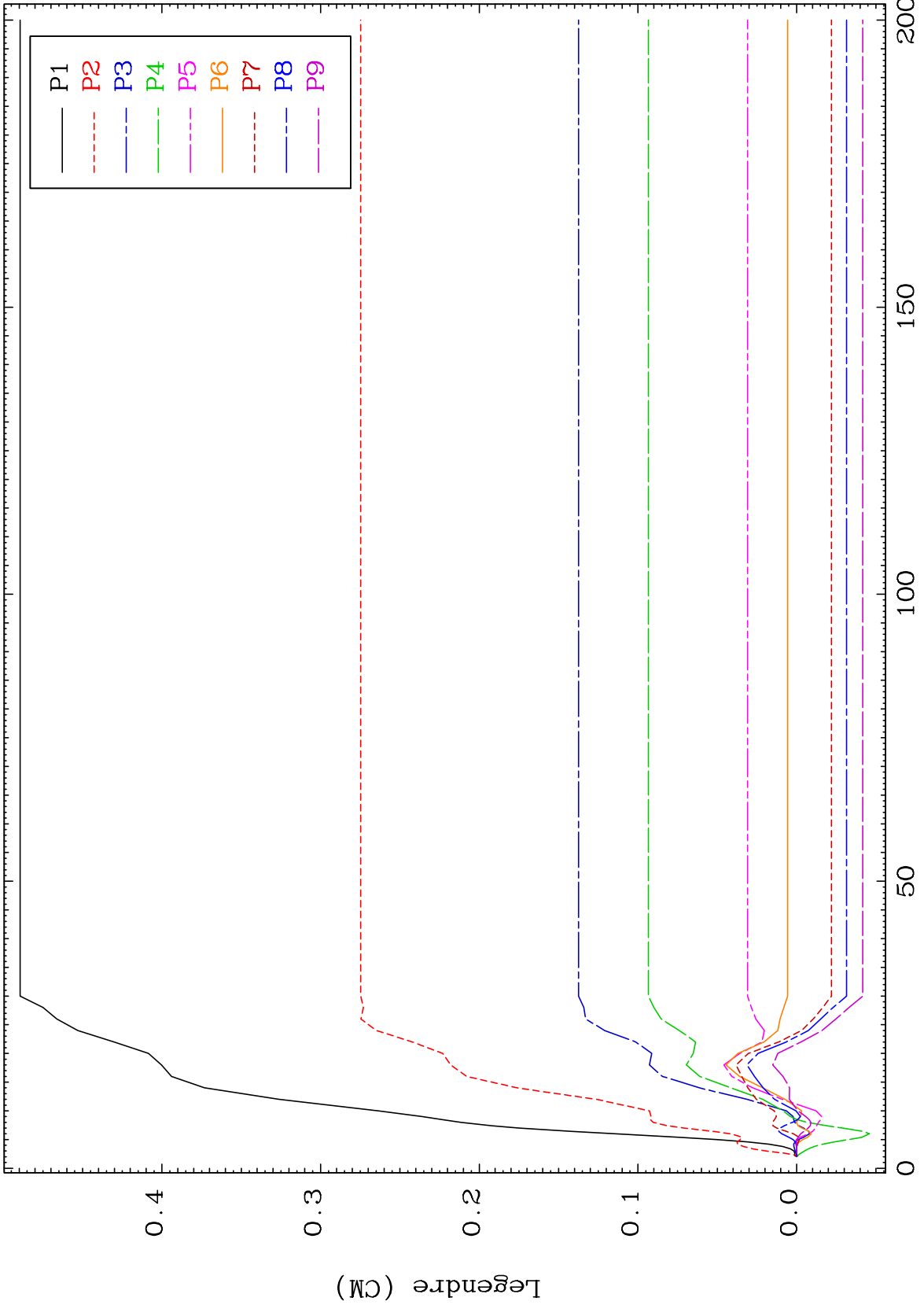
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



44

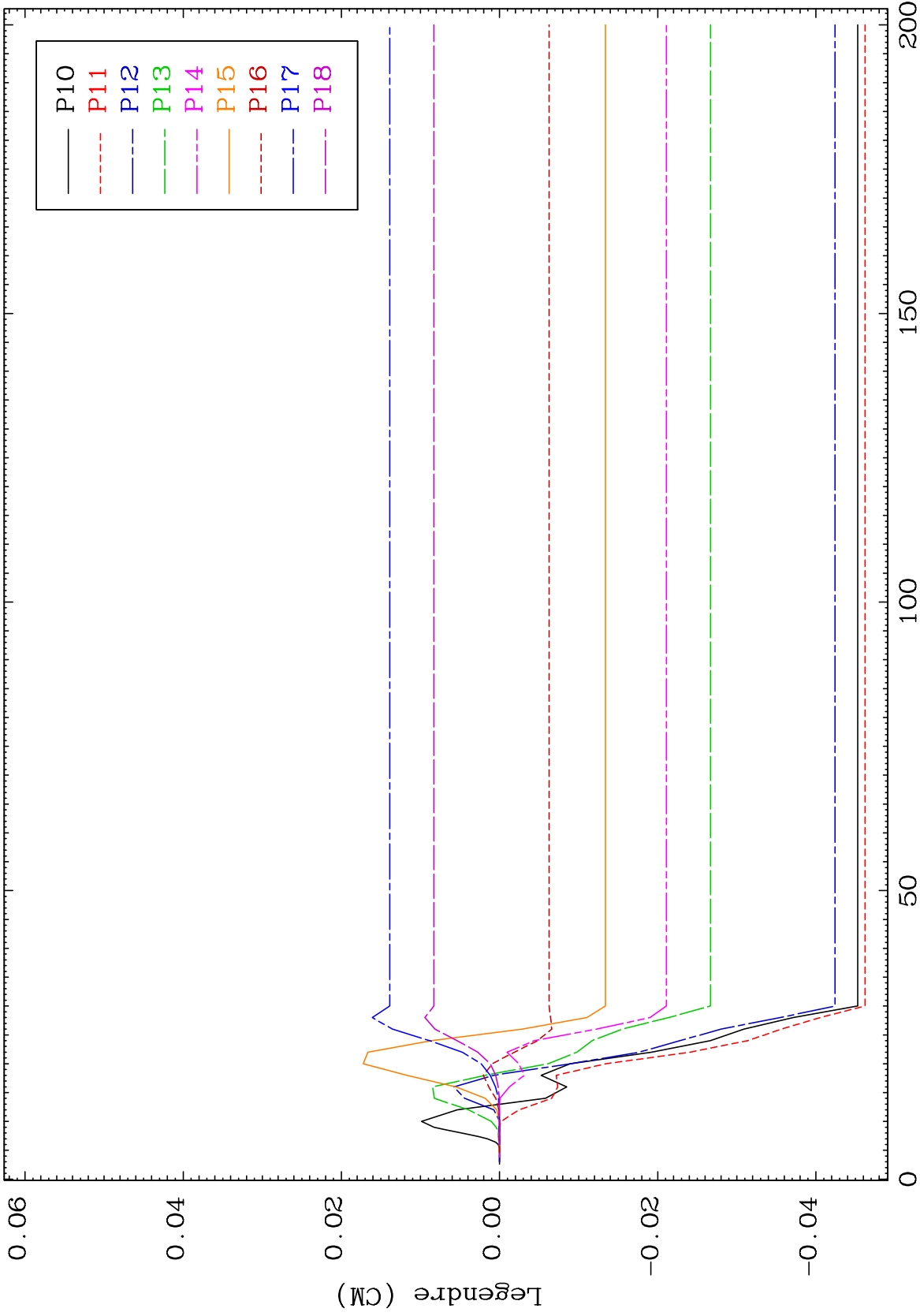
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



45

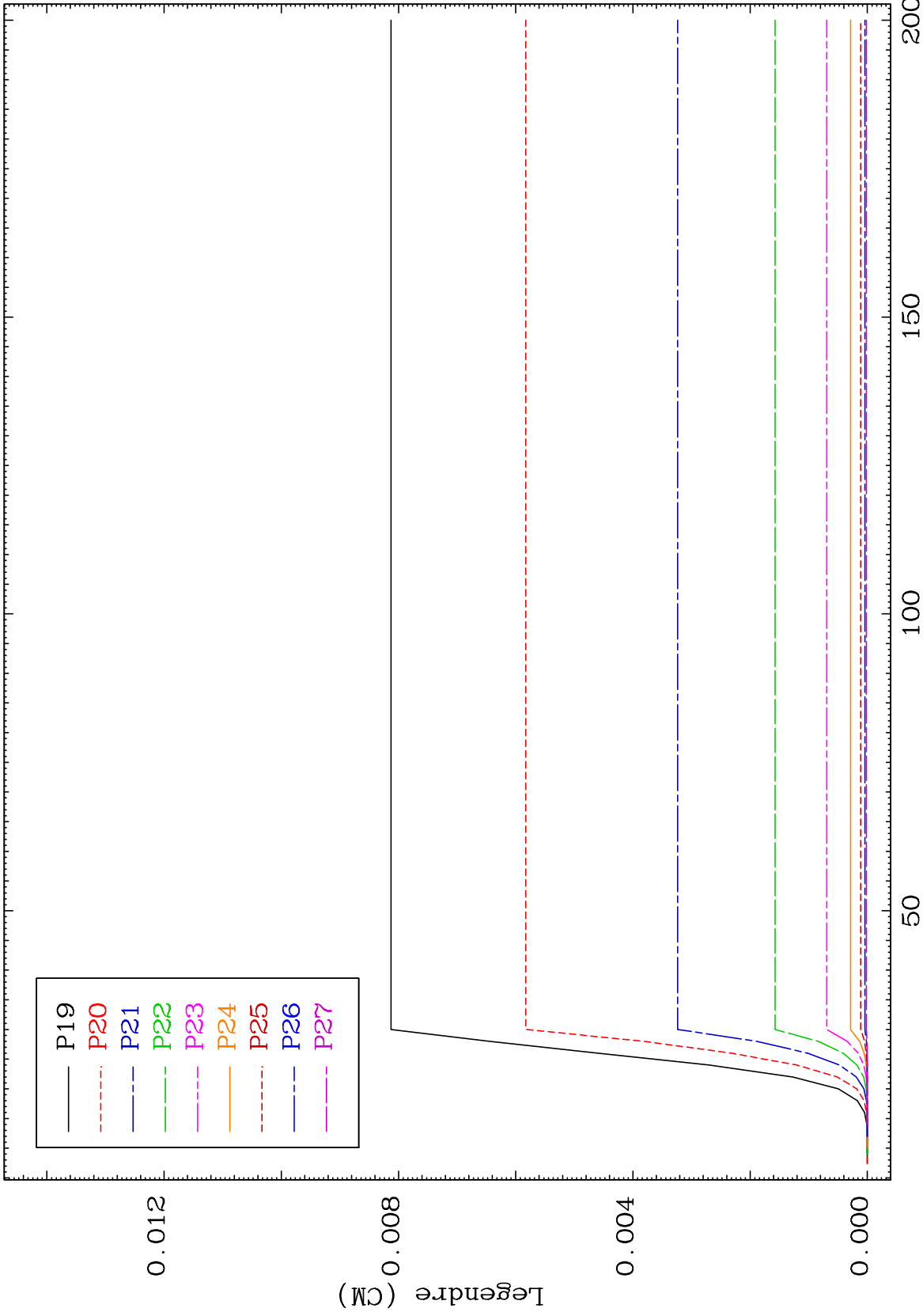
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



46

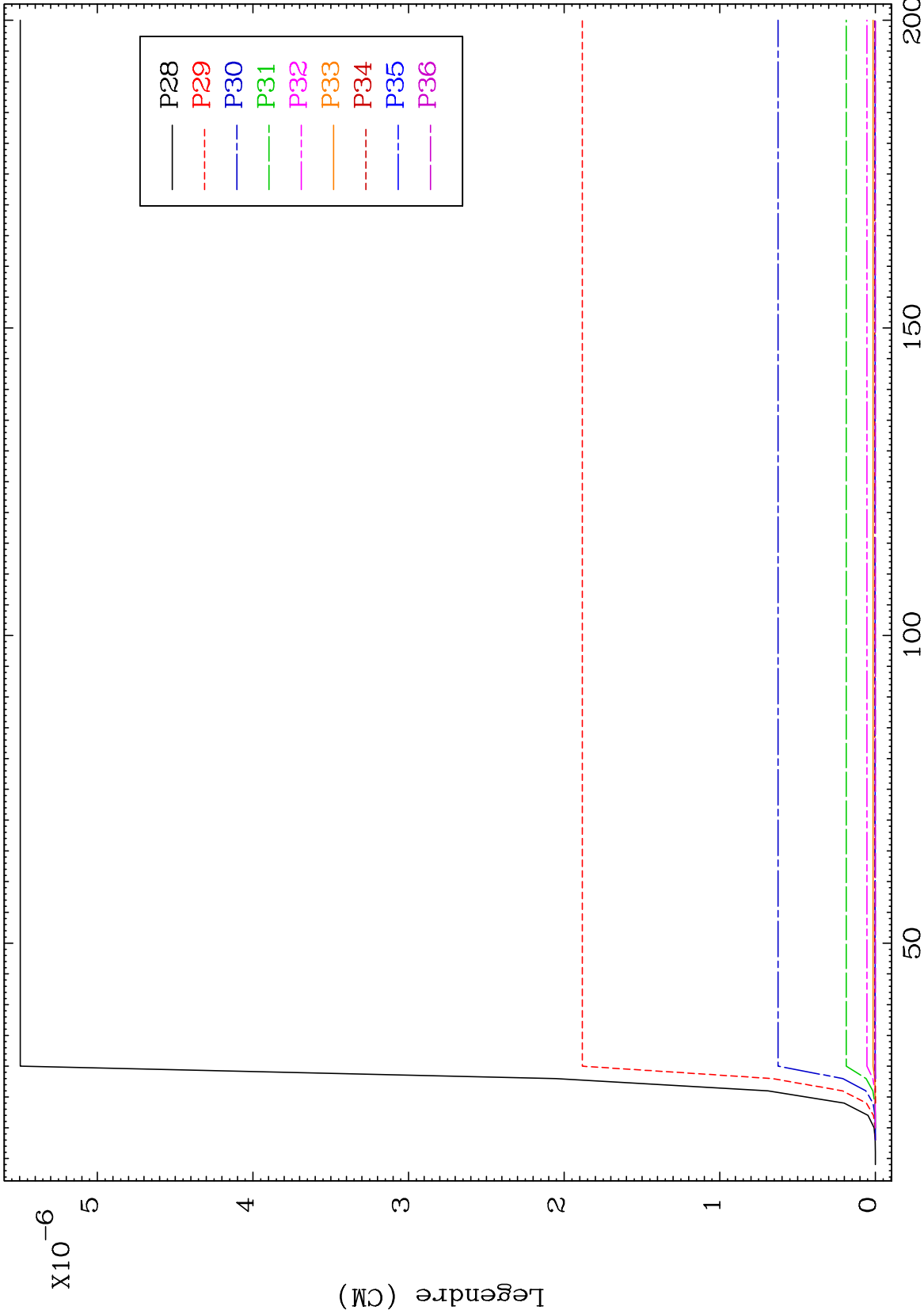
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



47

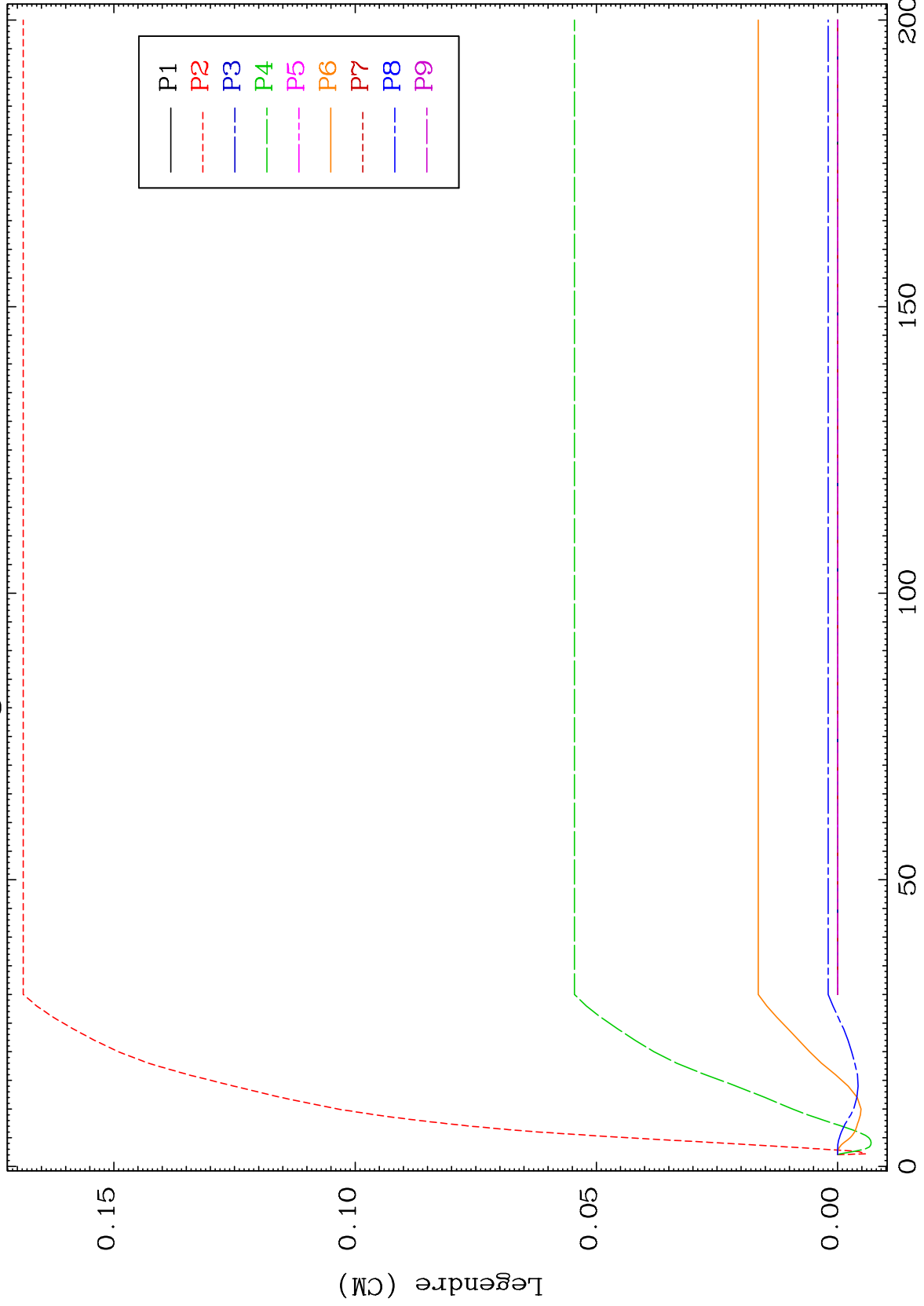
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



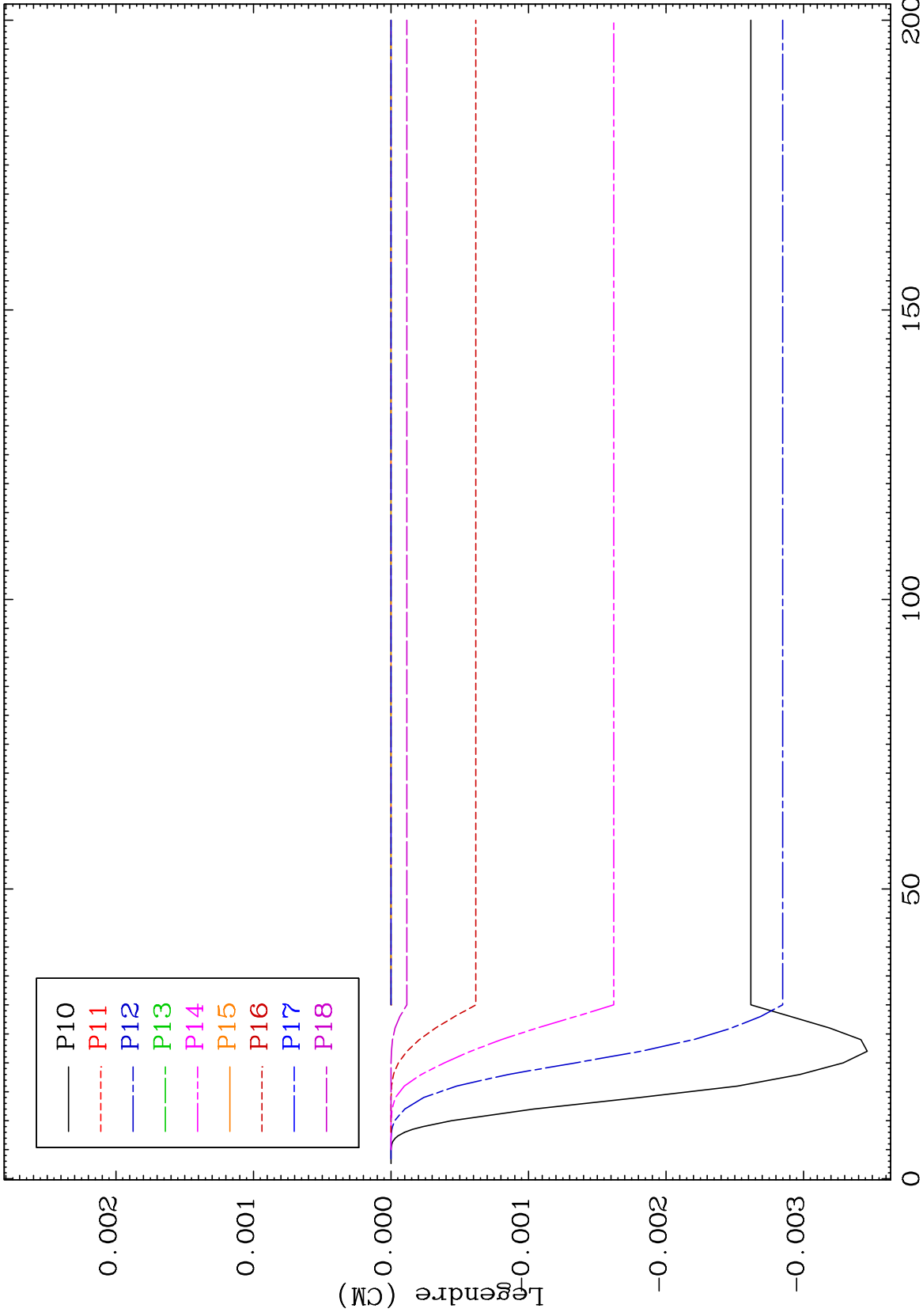
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58-Ce-142

MAT 5843

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

58-Ce-142



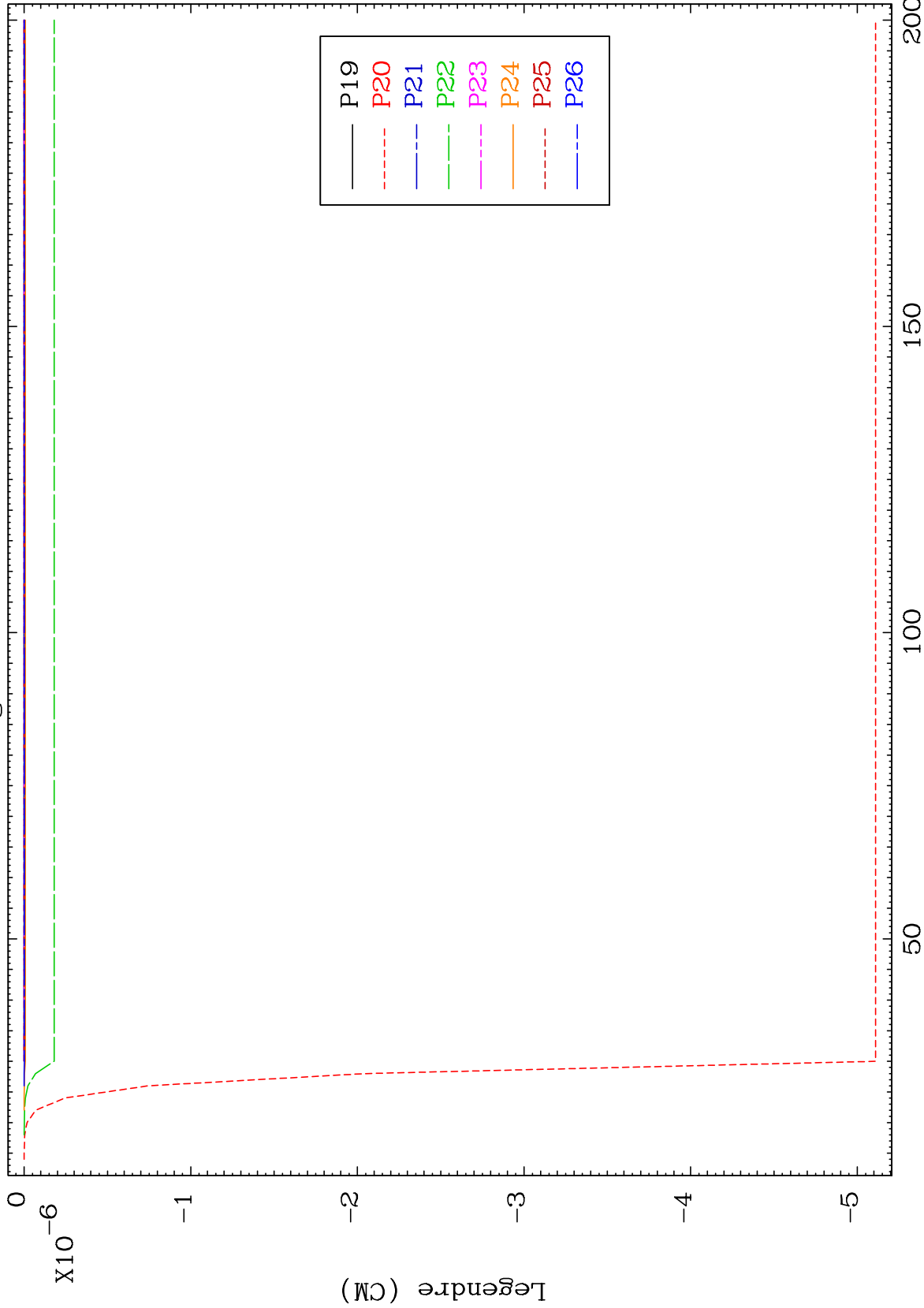
49

58-Ce-142

MAT 5843

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

58-Ce-142



50

Incident Energy (MeV)

50

100

150

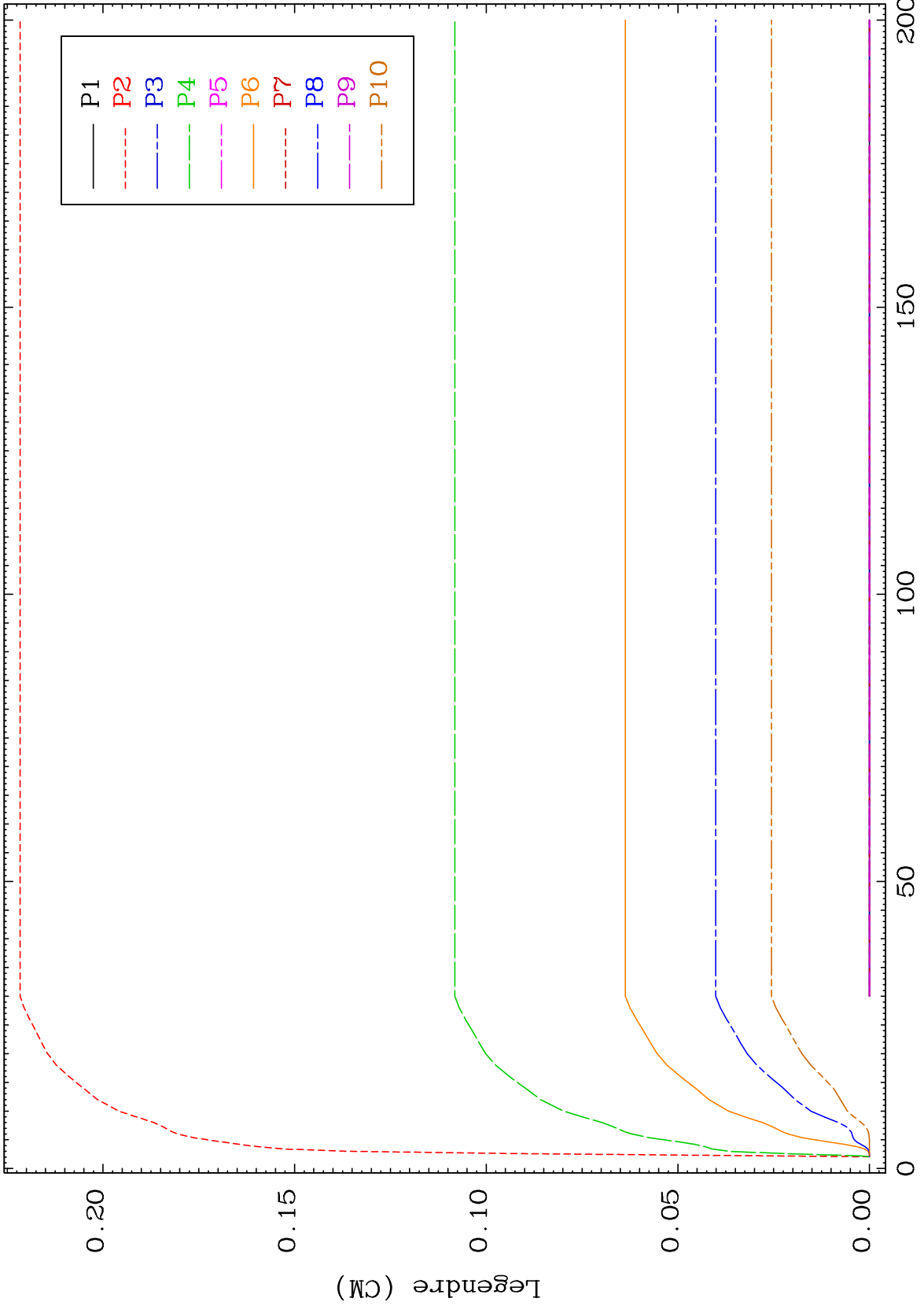
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58-Ce-142

MAT 5843

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

58-Ce-142



51

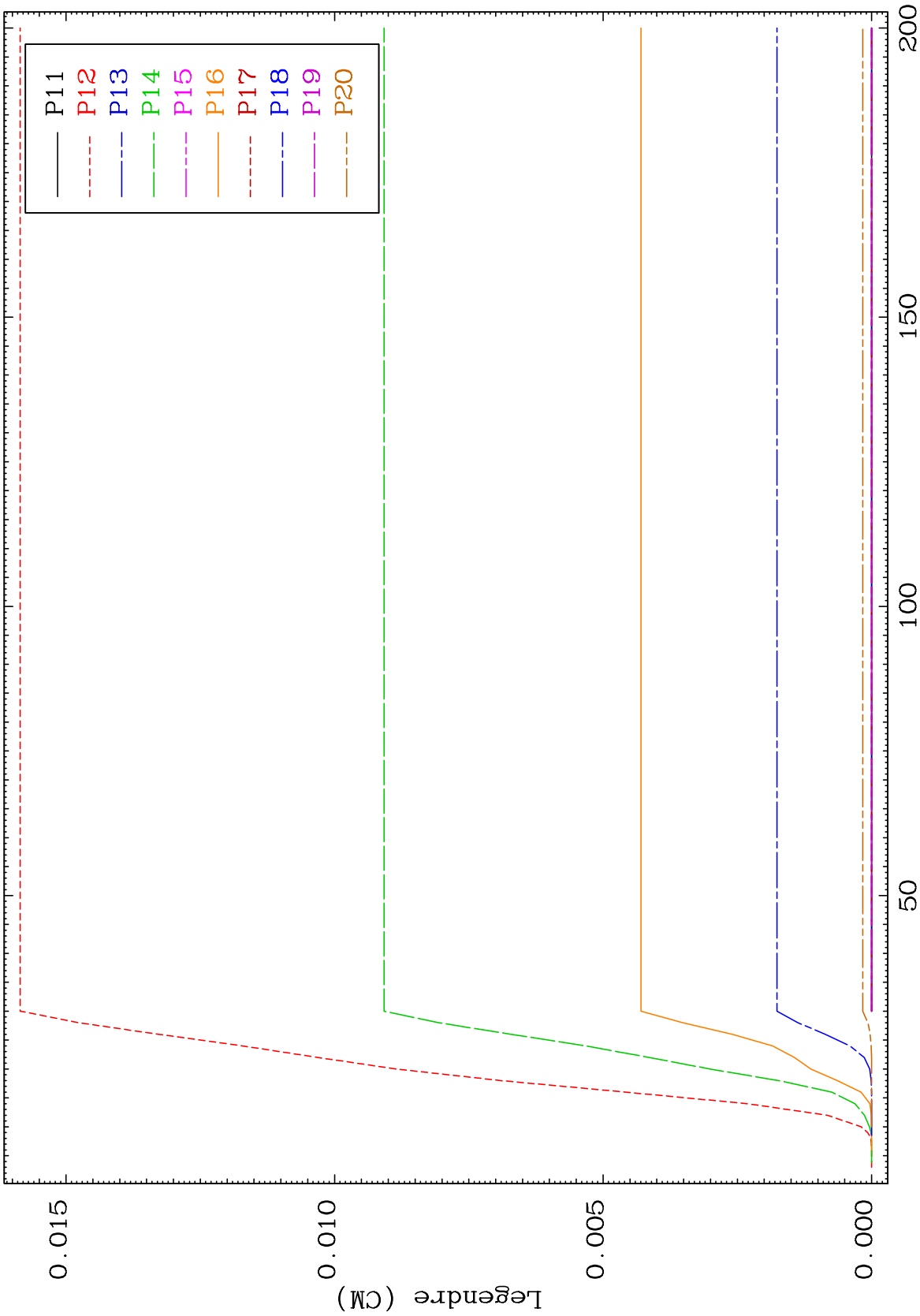
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



52

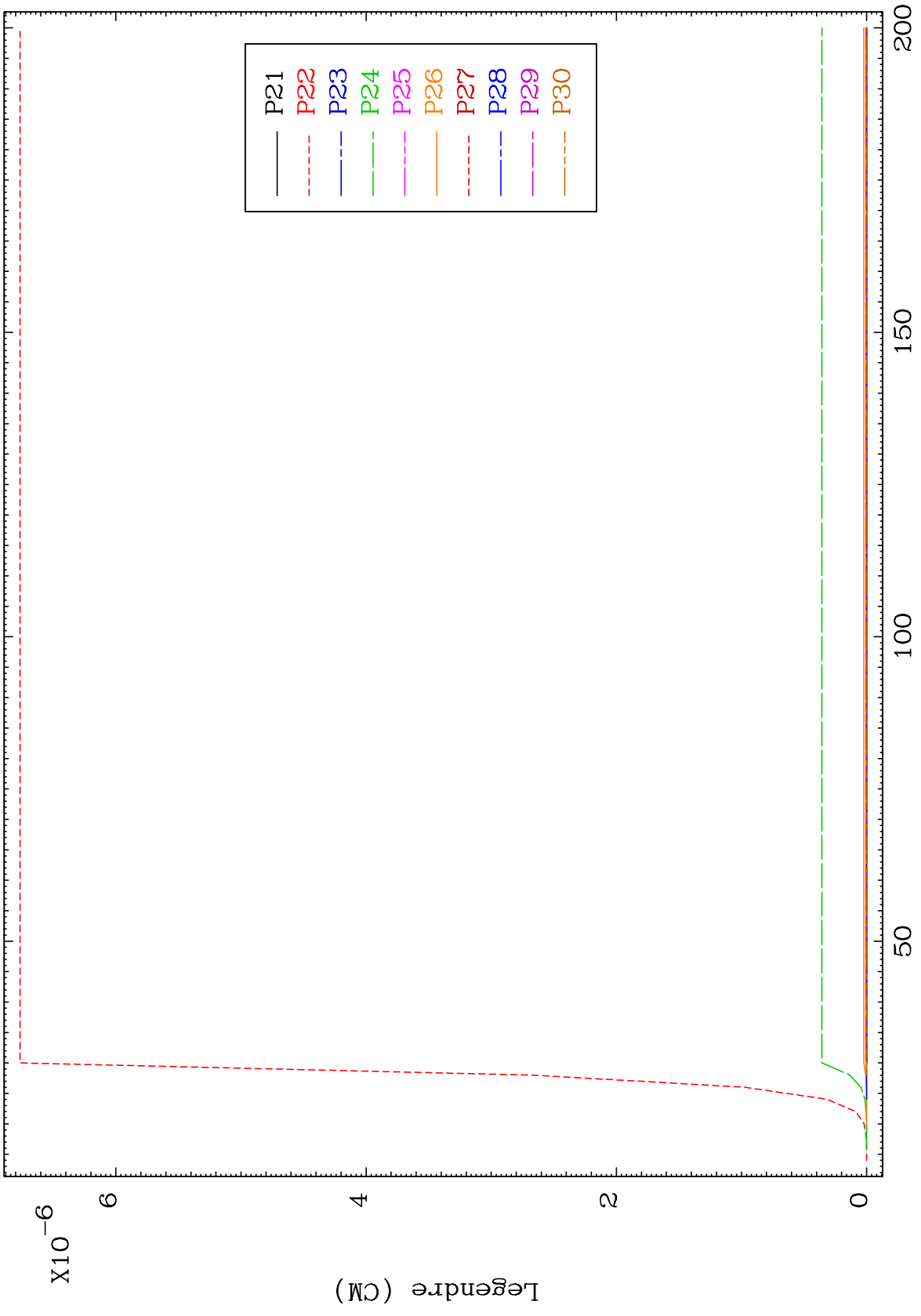
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



53

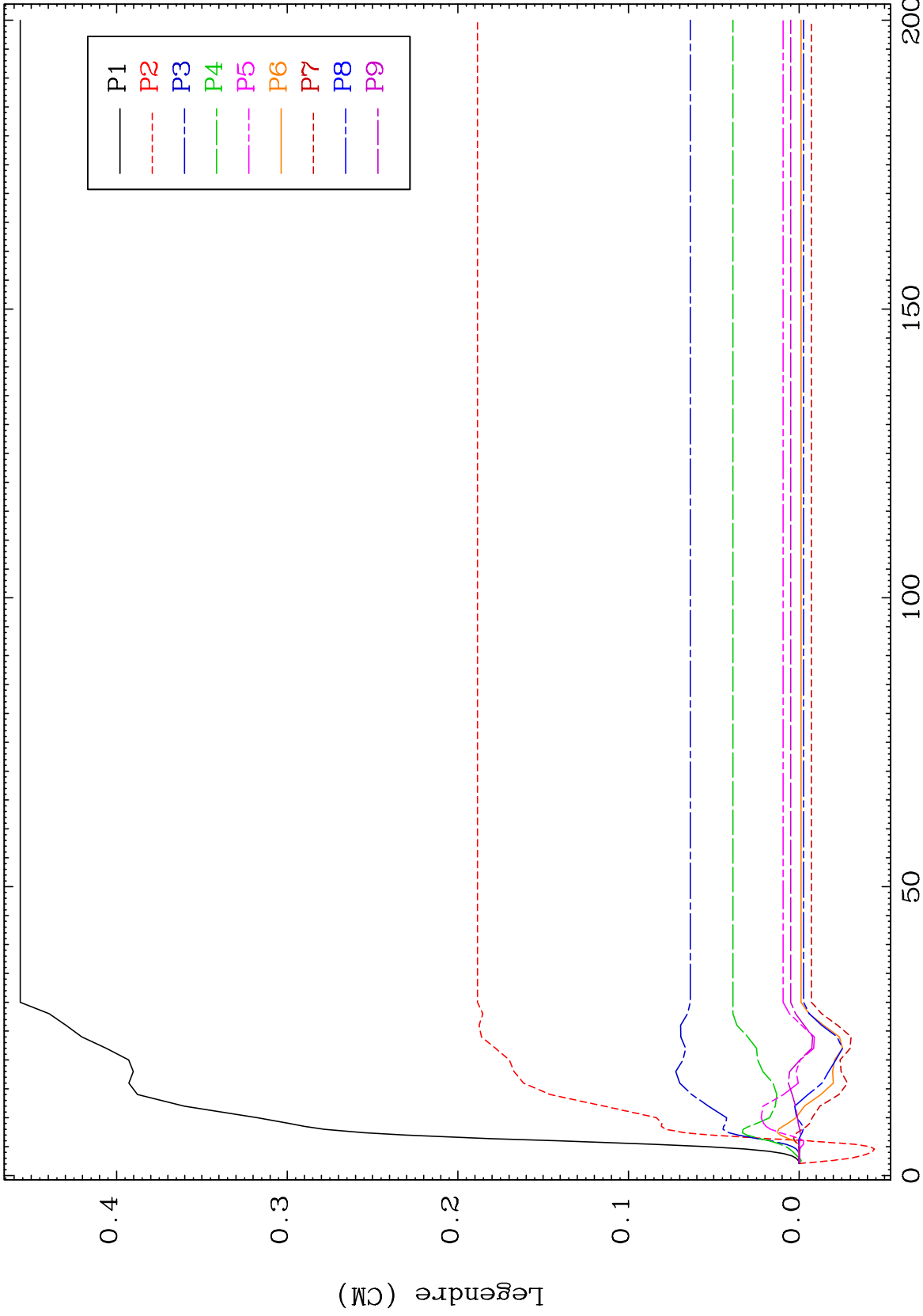
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



54

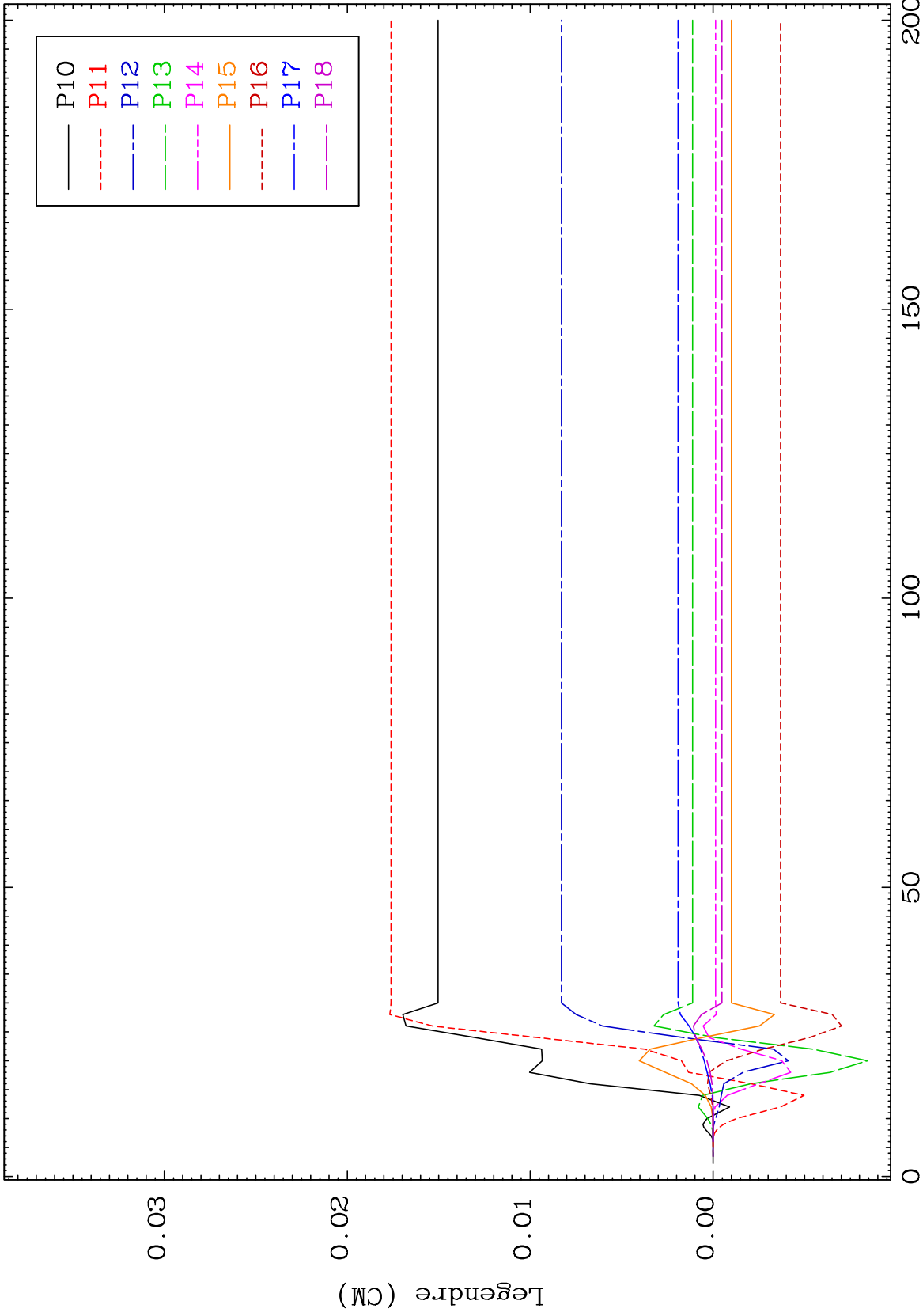
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



55

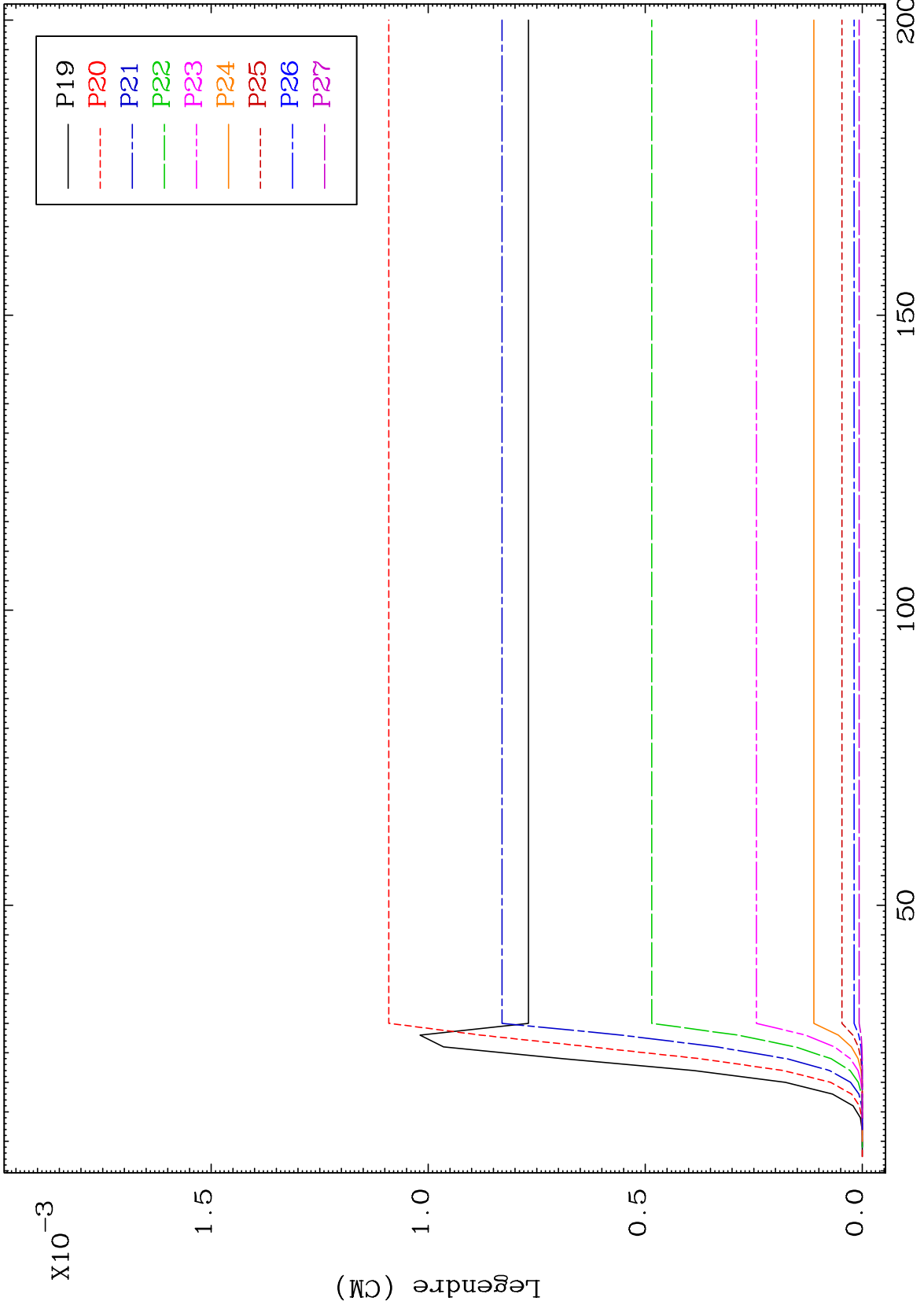
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



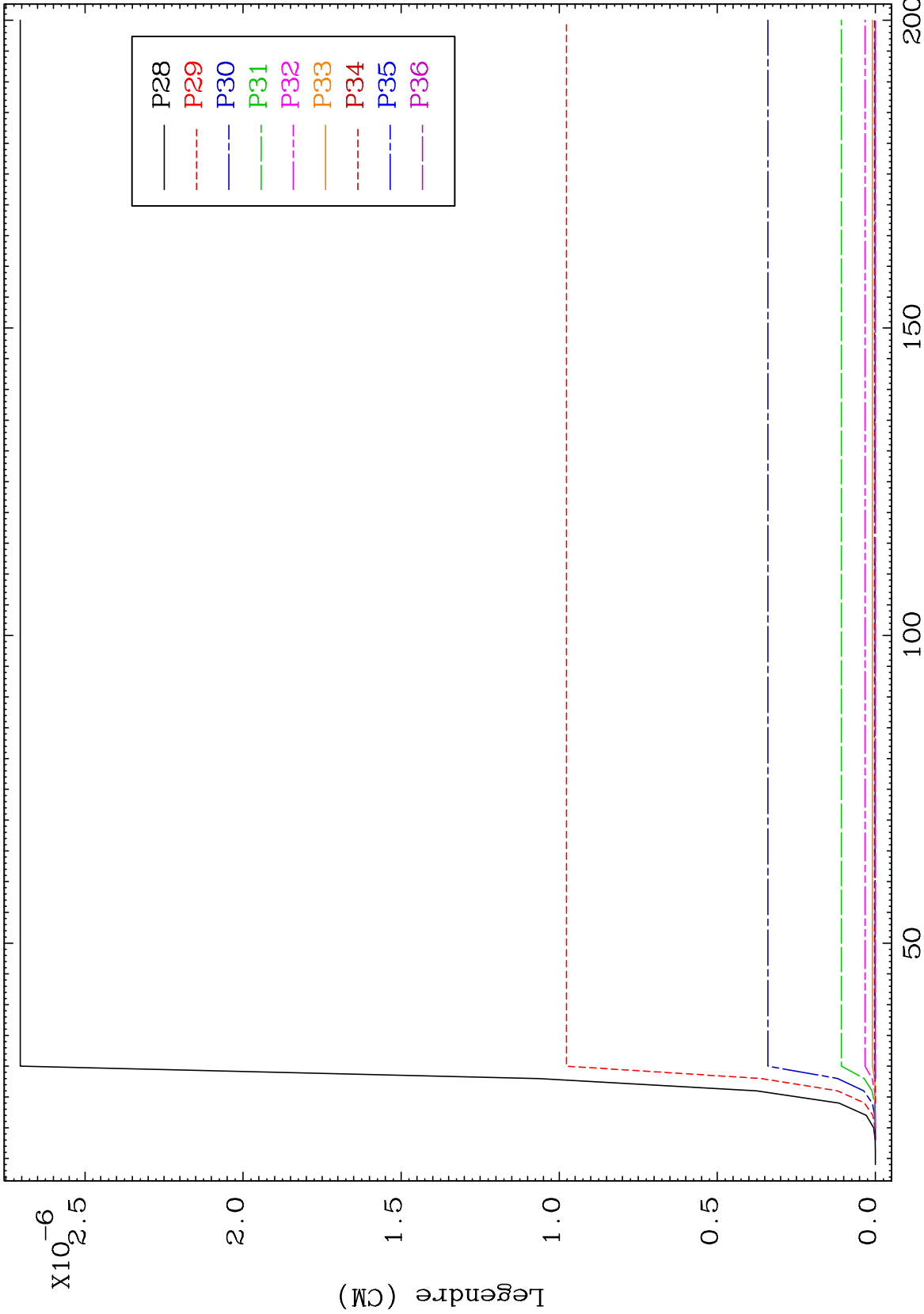
56

58-Ce-142

MAT 5843

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

58-Ce-142



57

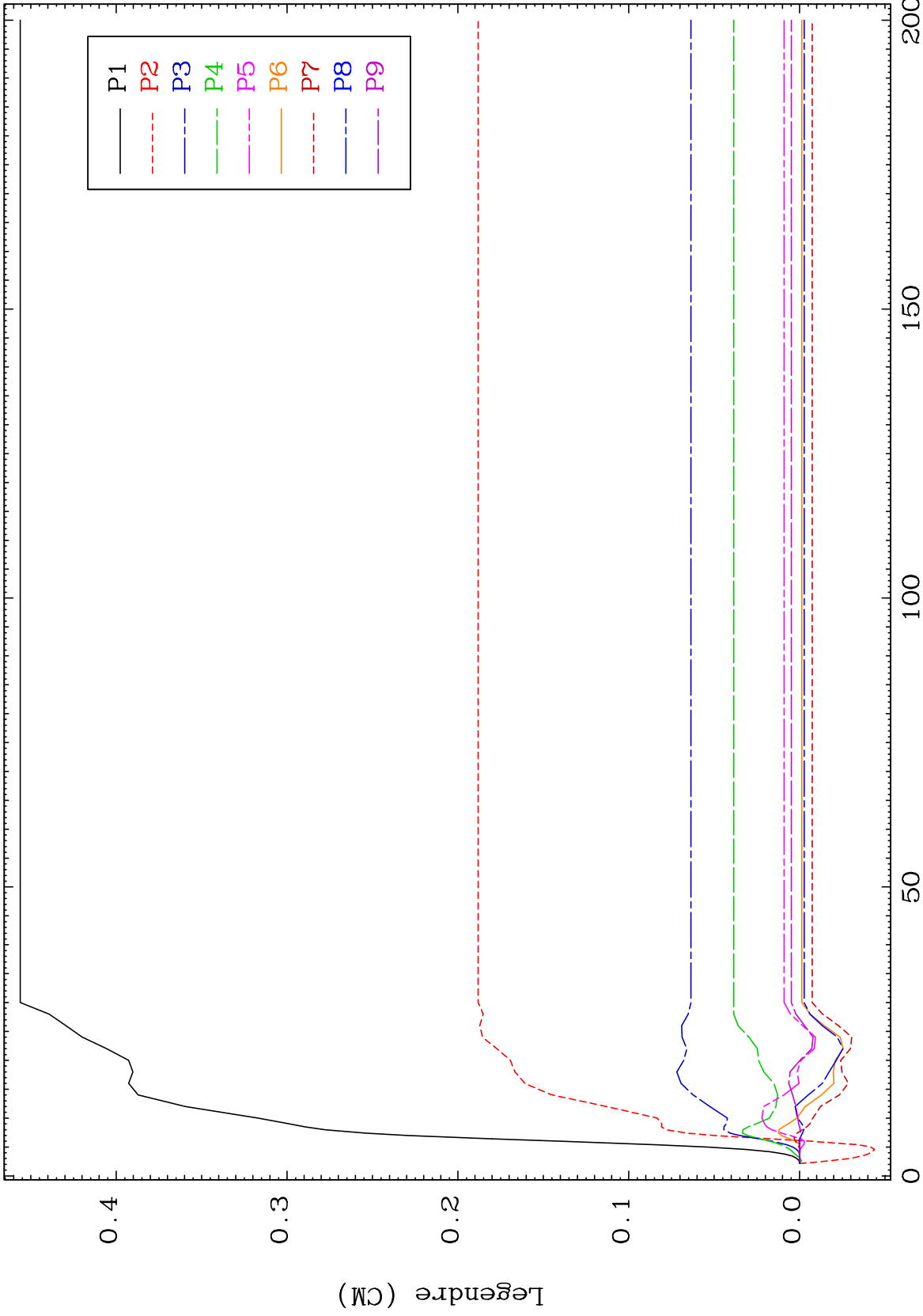
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58

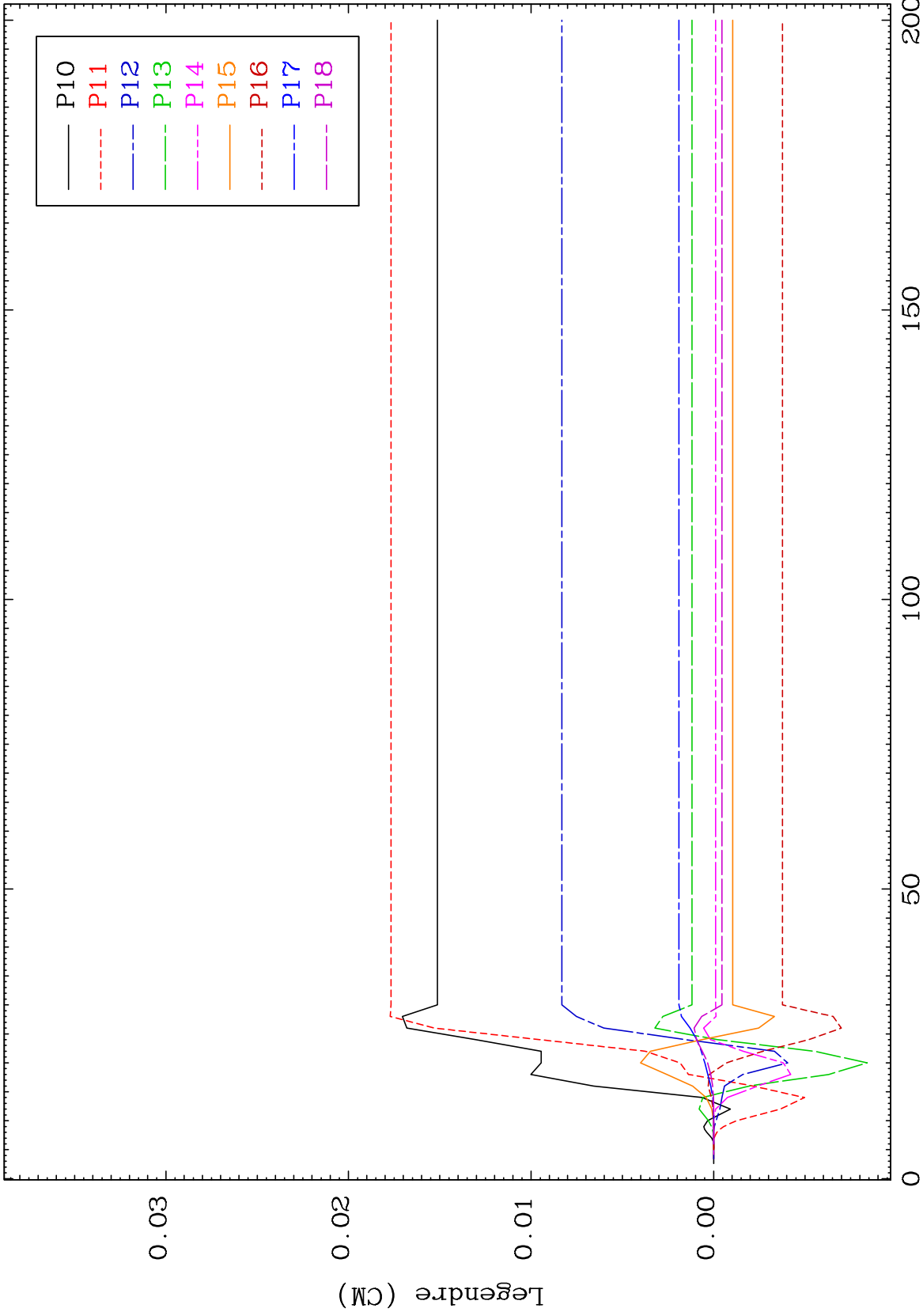
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



59

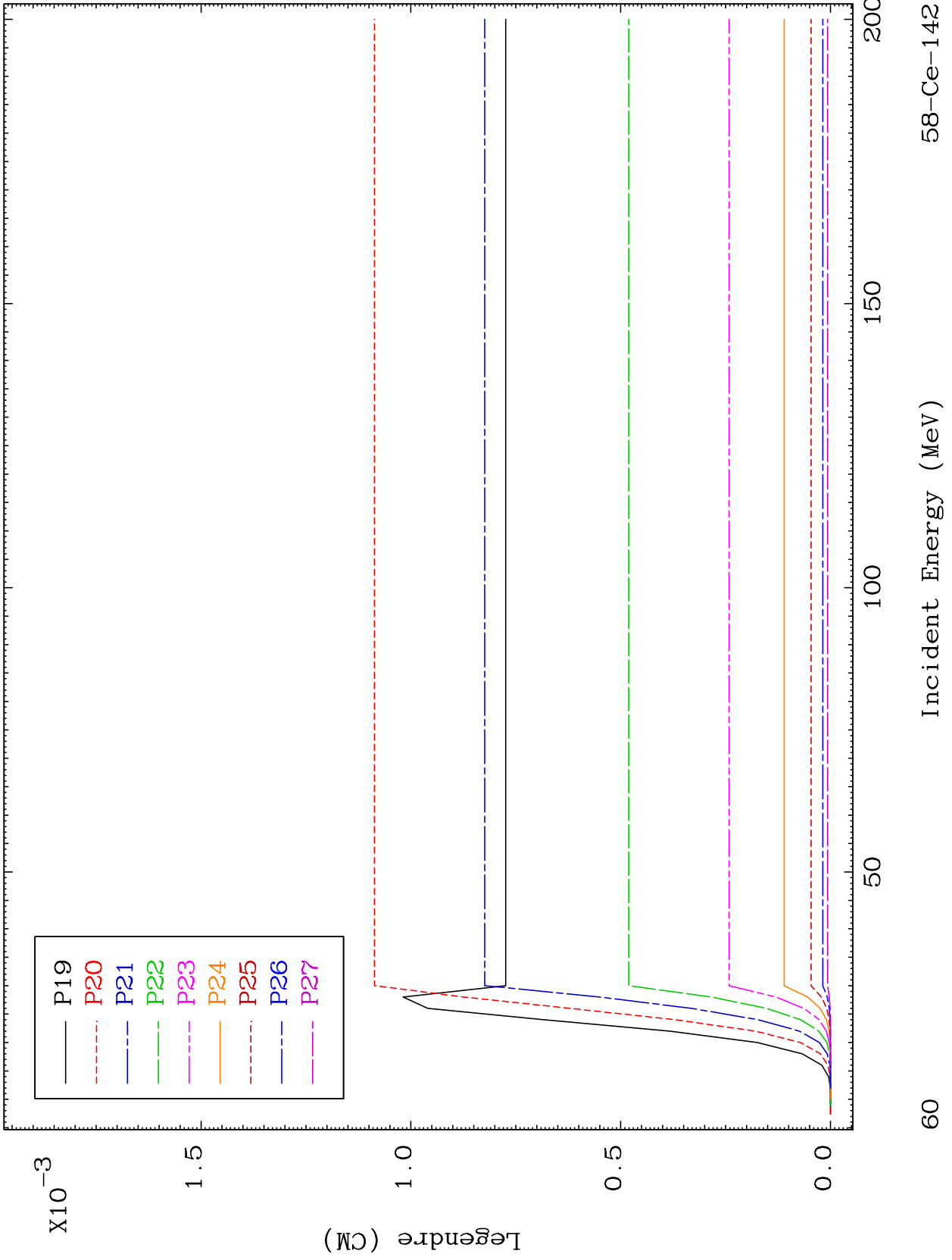
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142

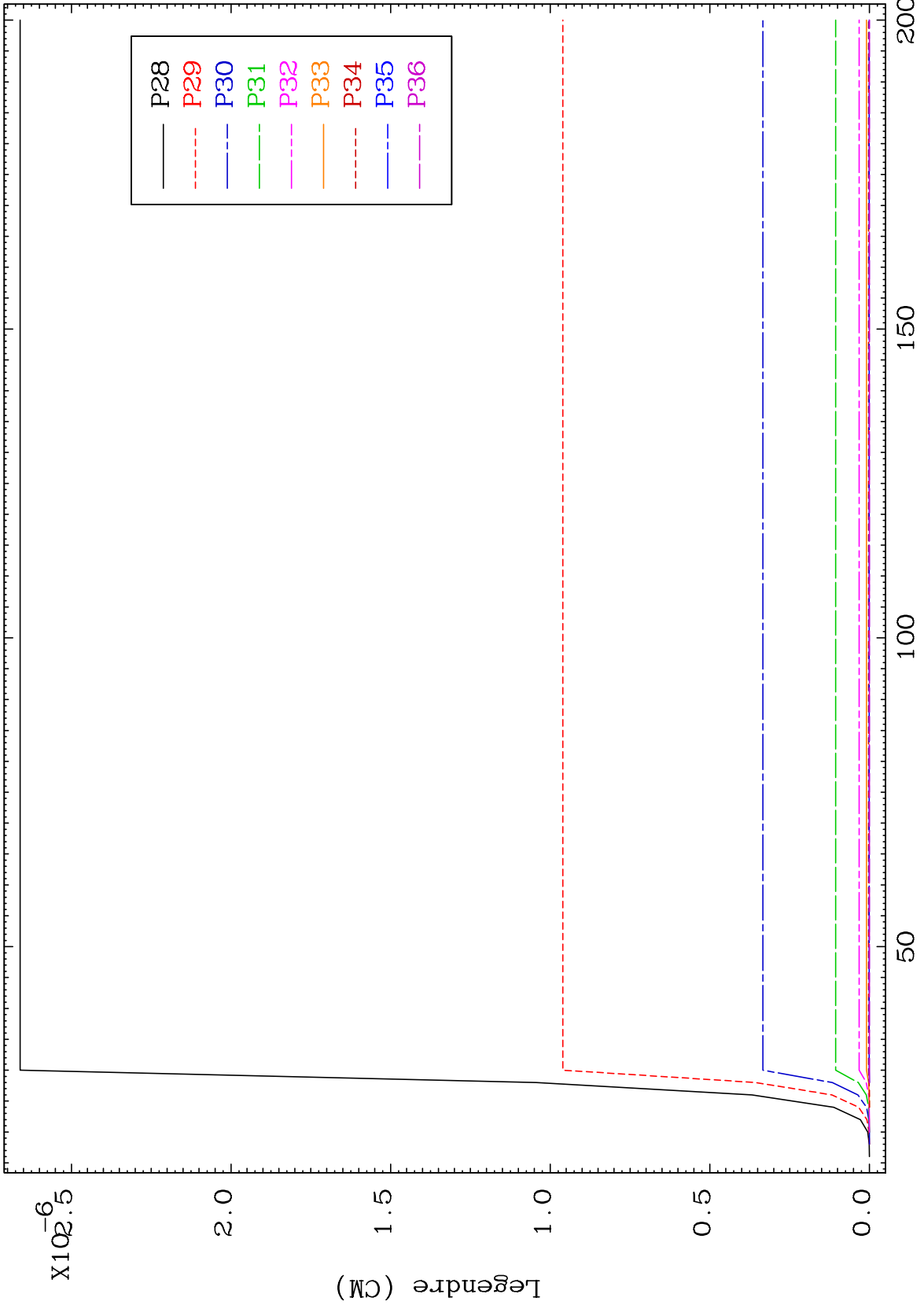


58-Ce-142

MAT 5843

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

58-Ce-142



61

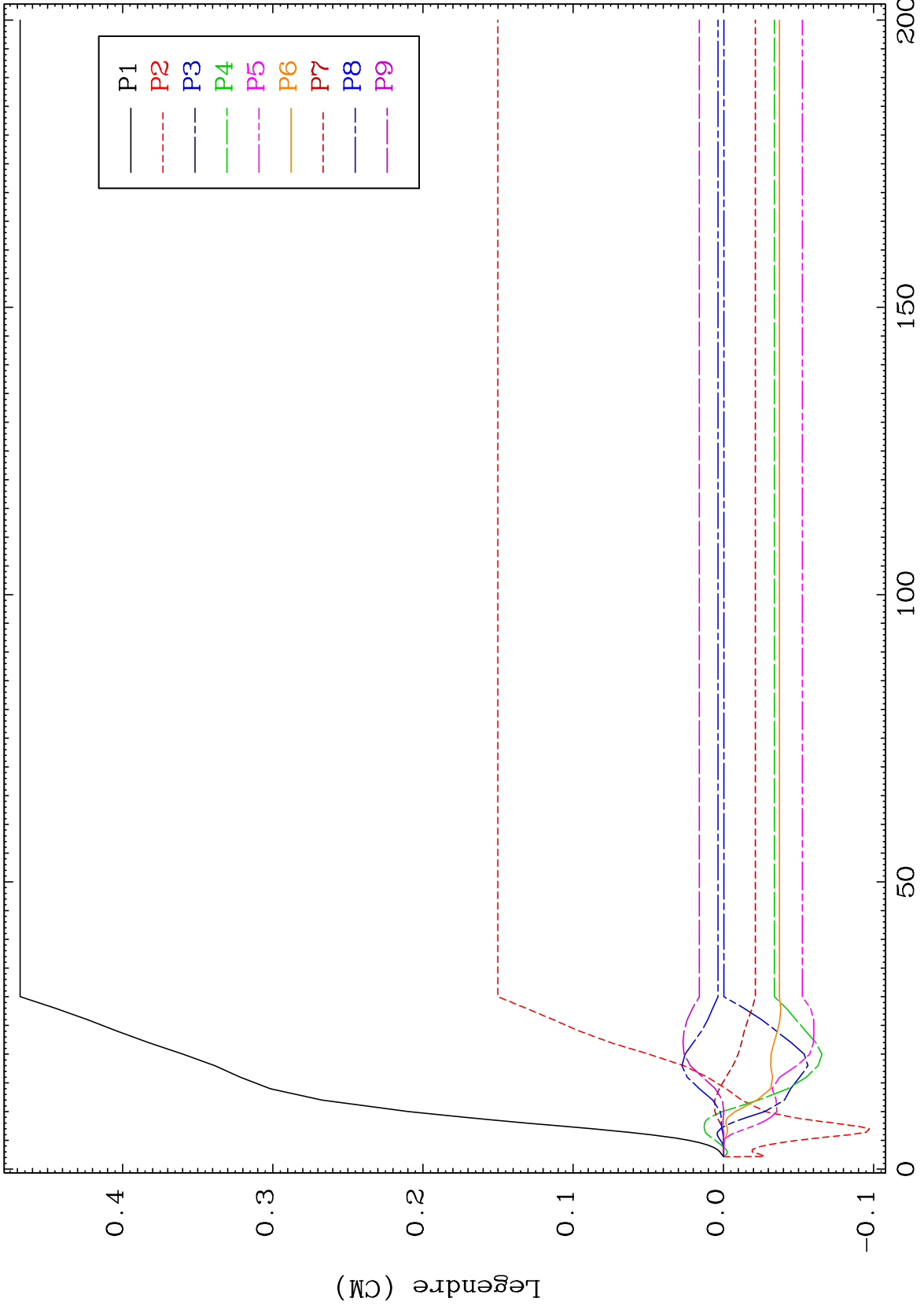
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



62

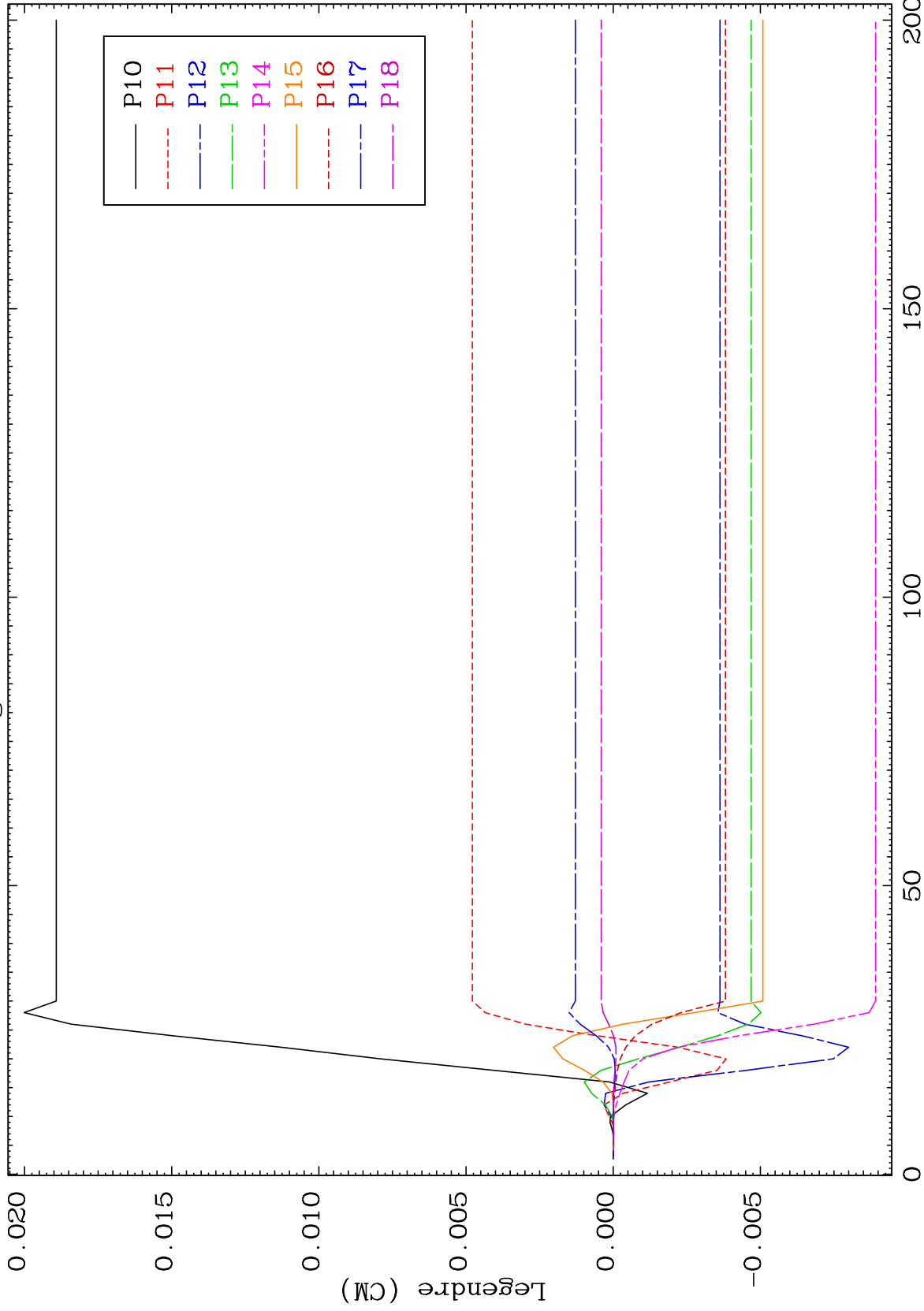
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



63

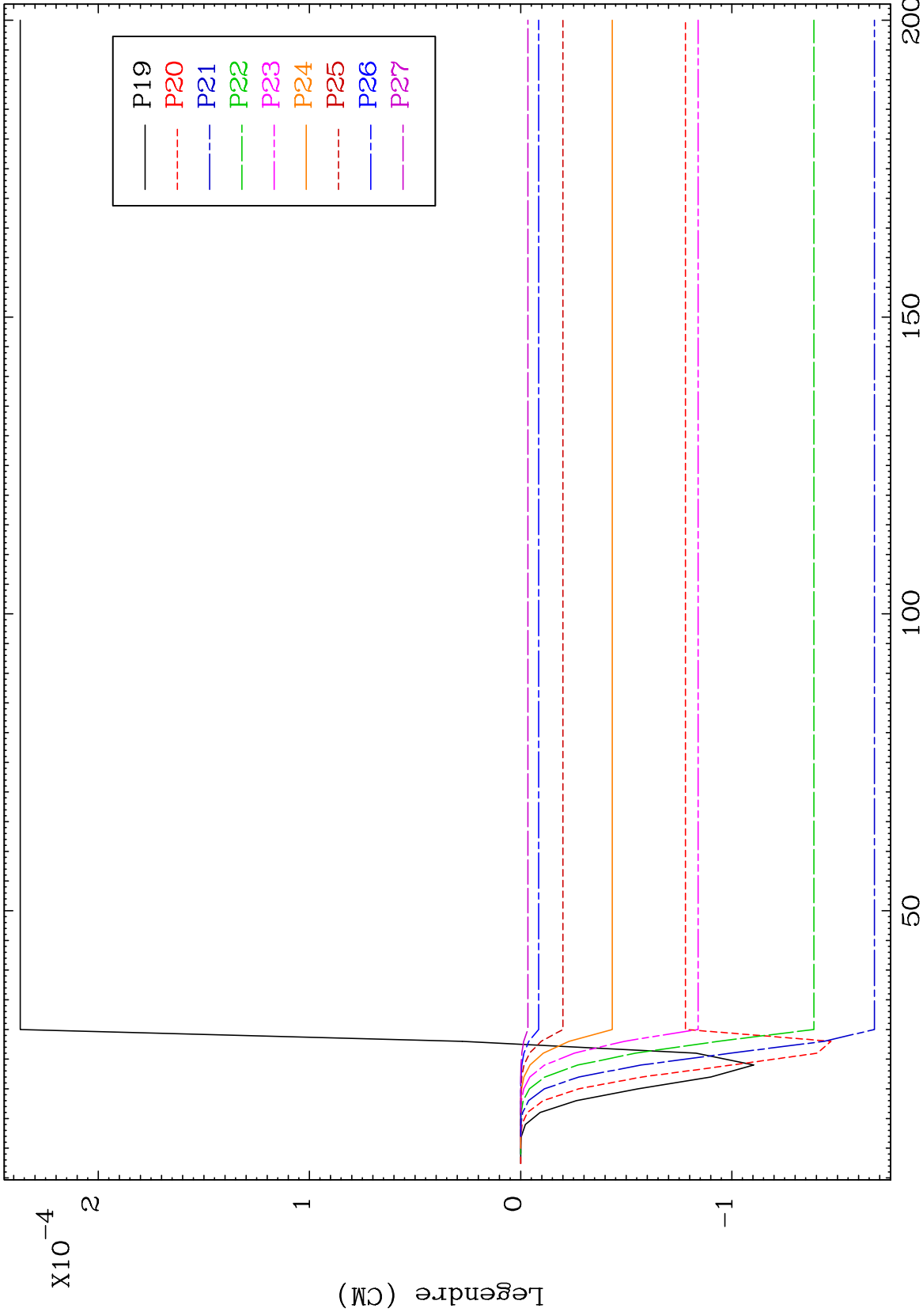
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



64

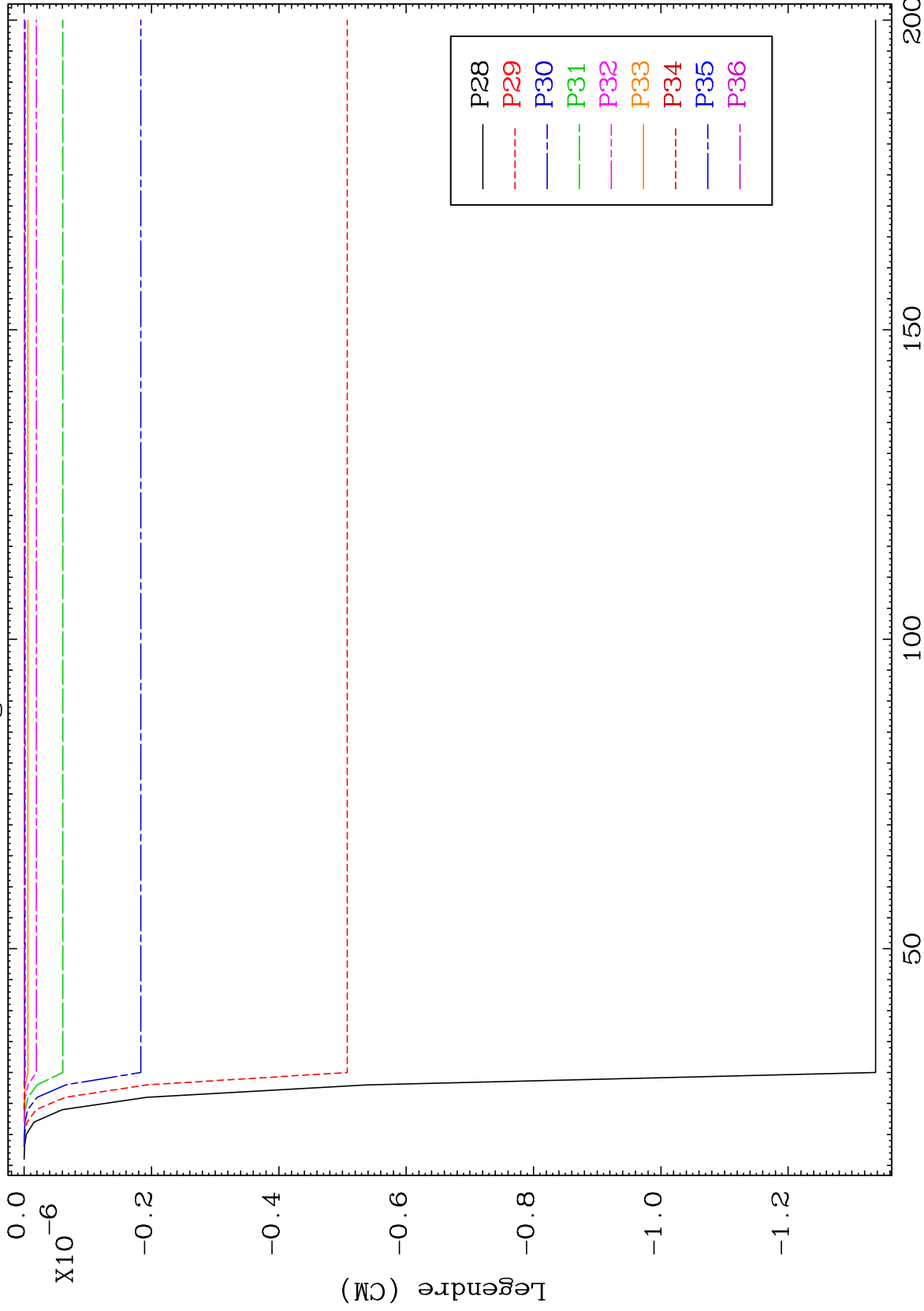
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



65

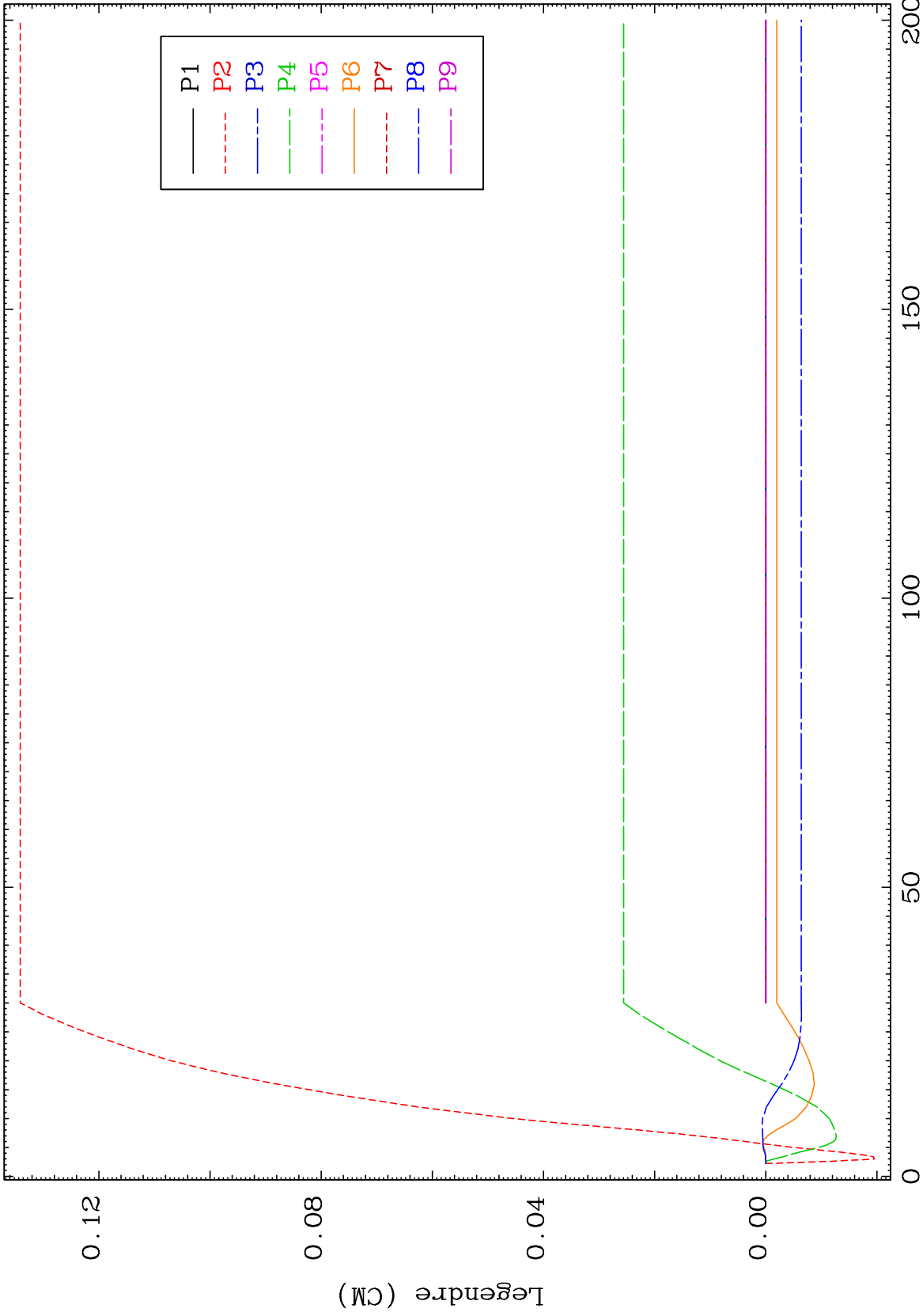
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



66

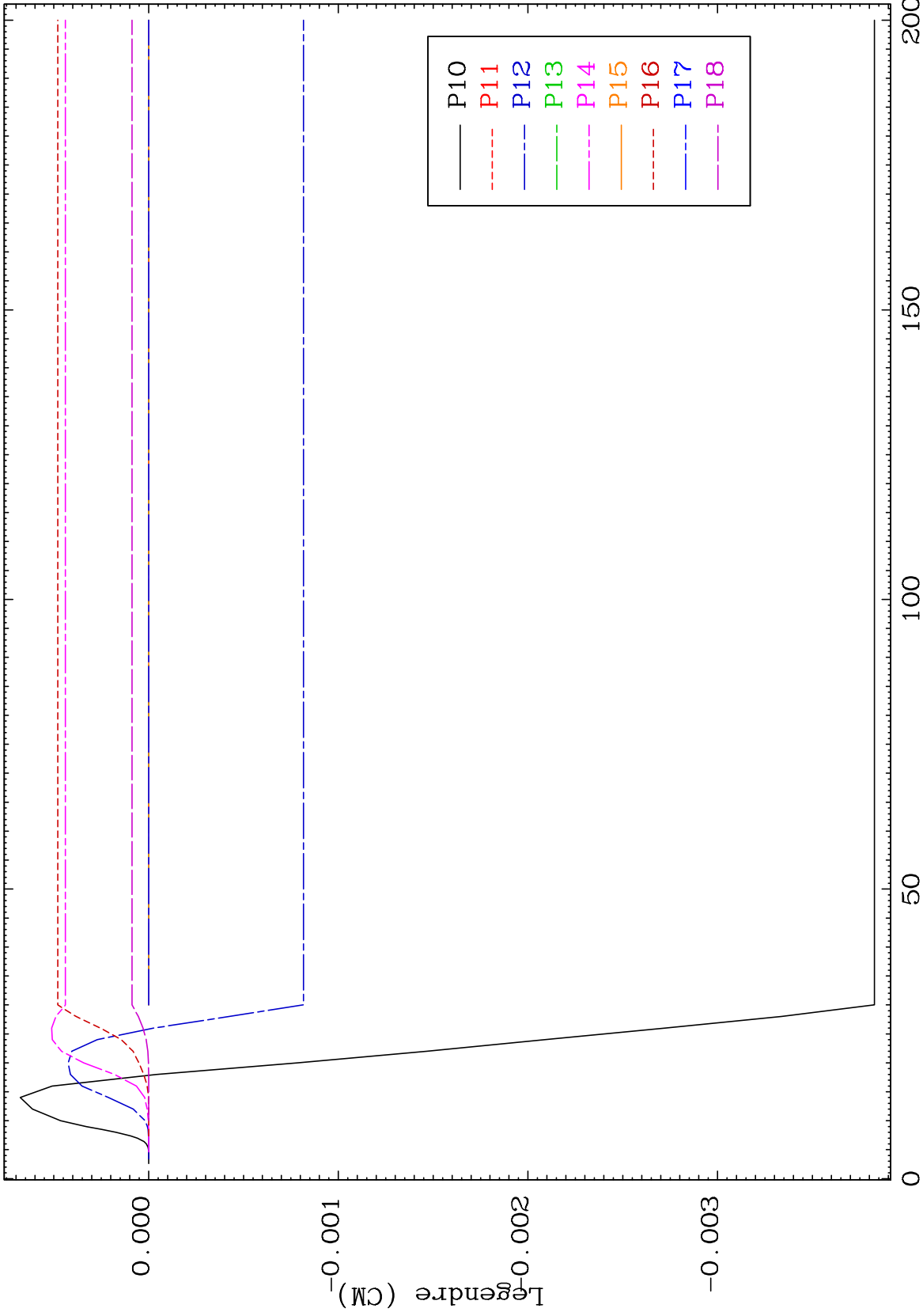
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



67

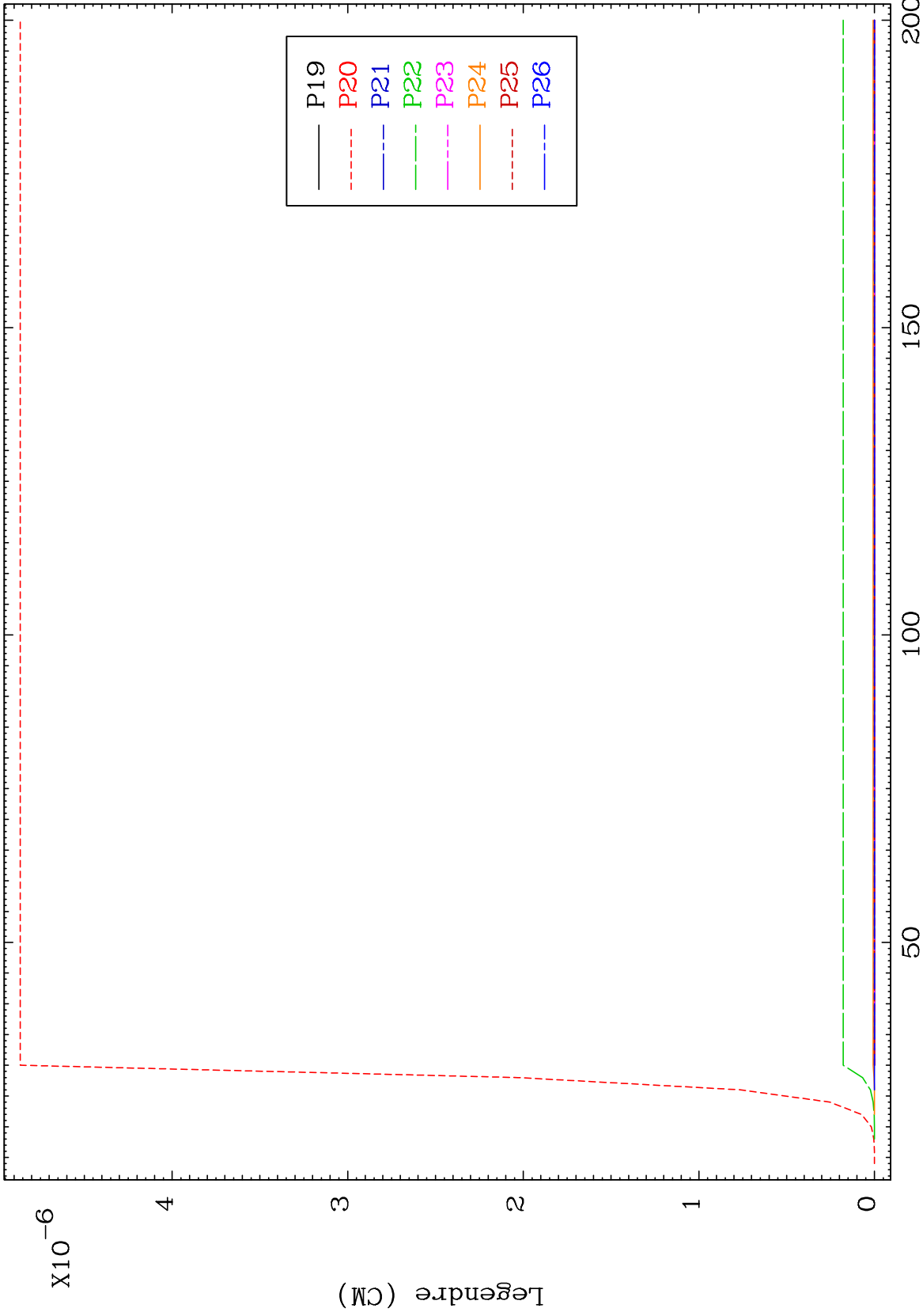
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



68

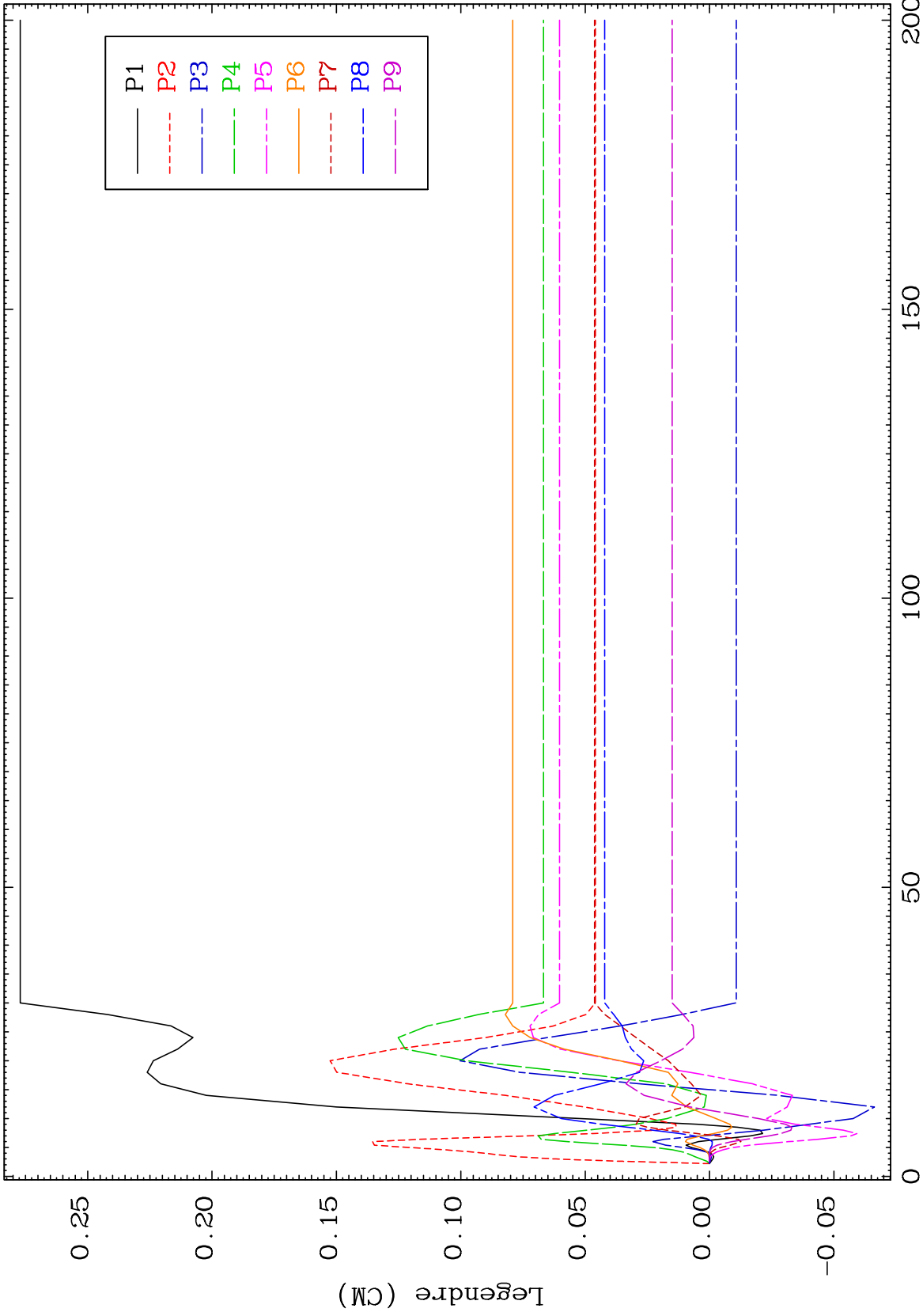
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



69

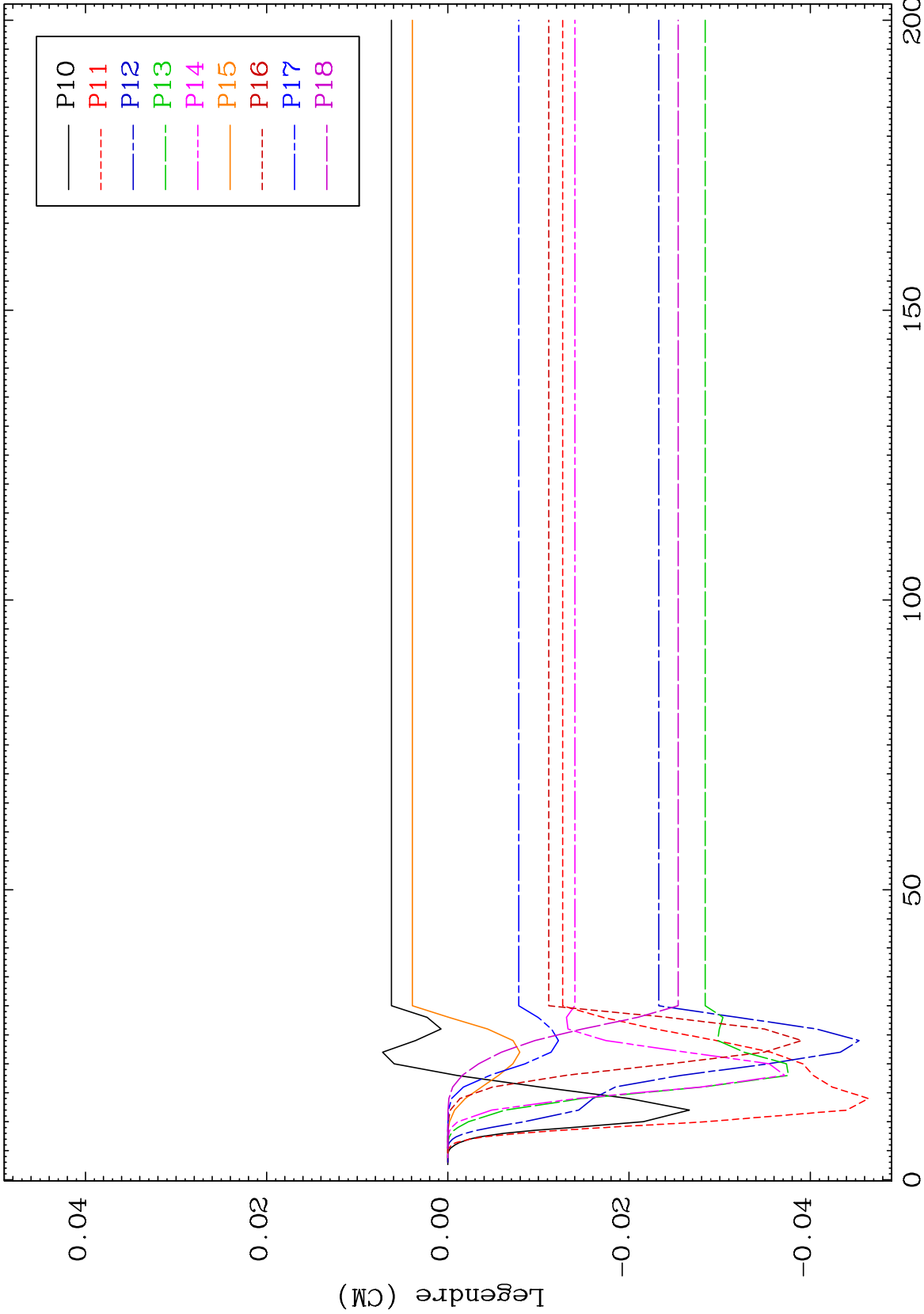
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



70

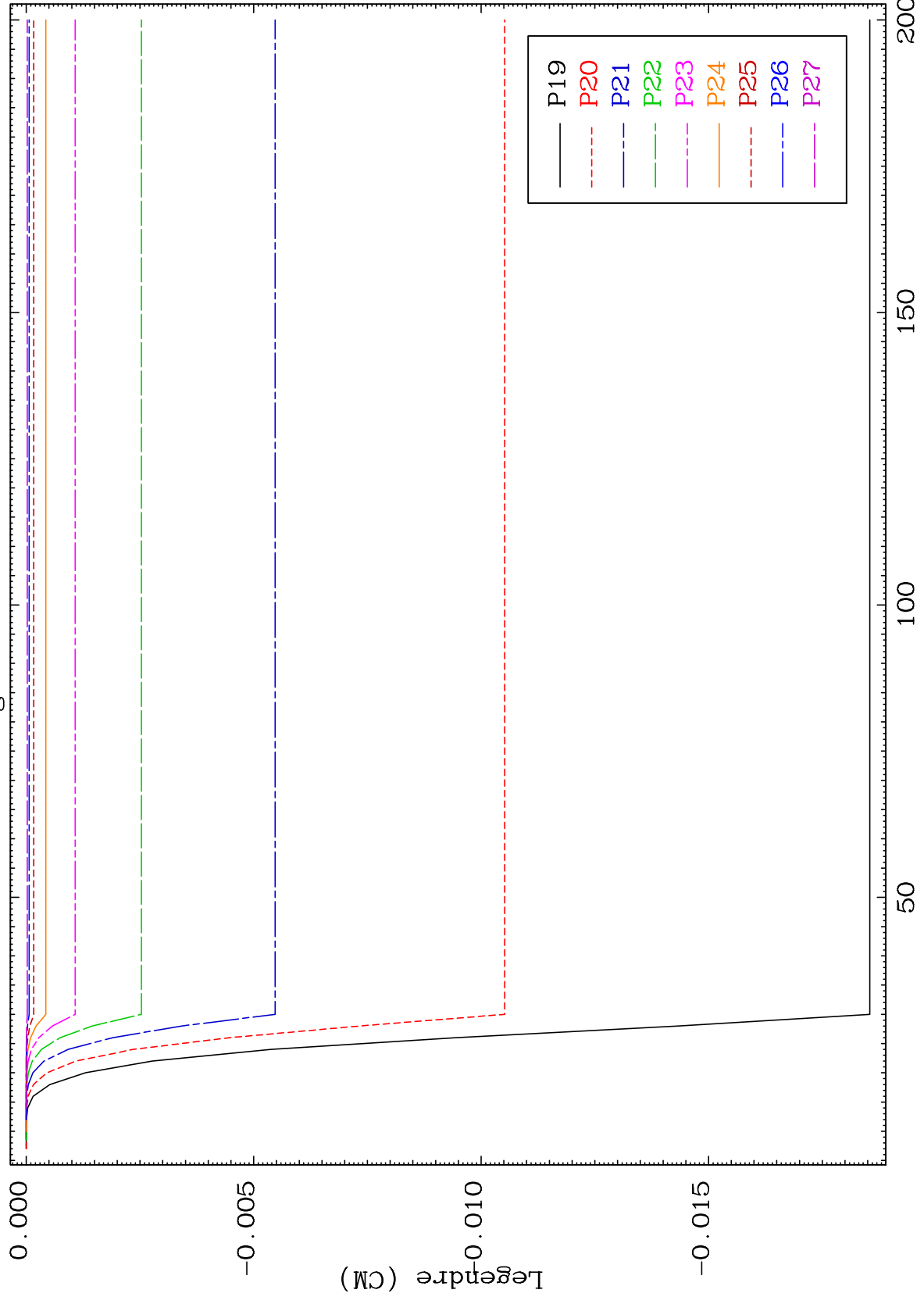
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



58-Ce-142

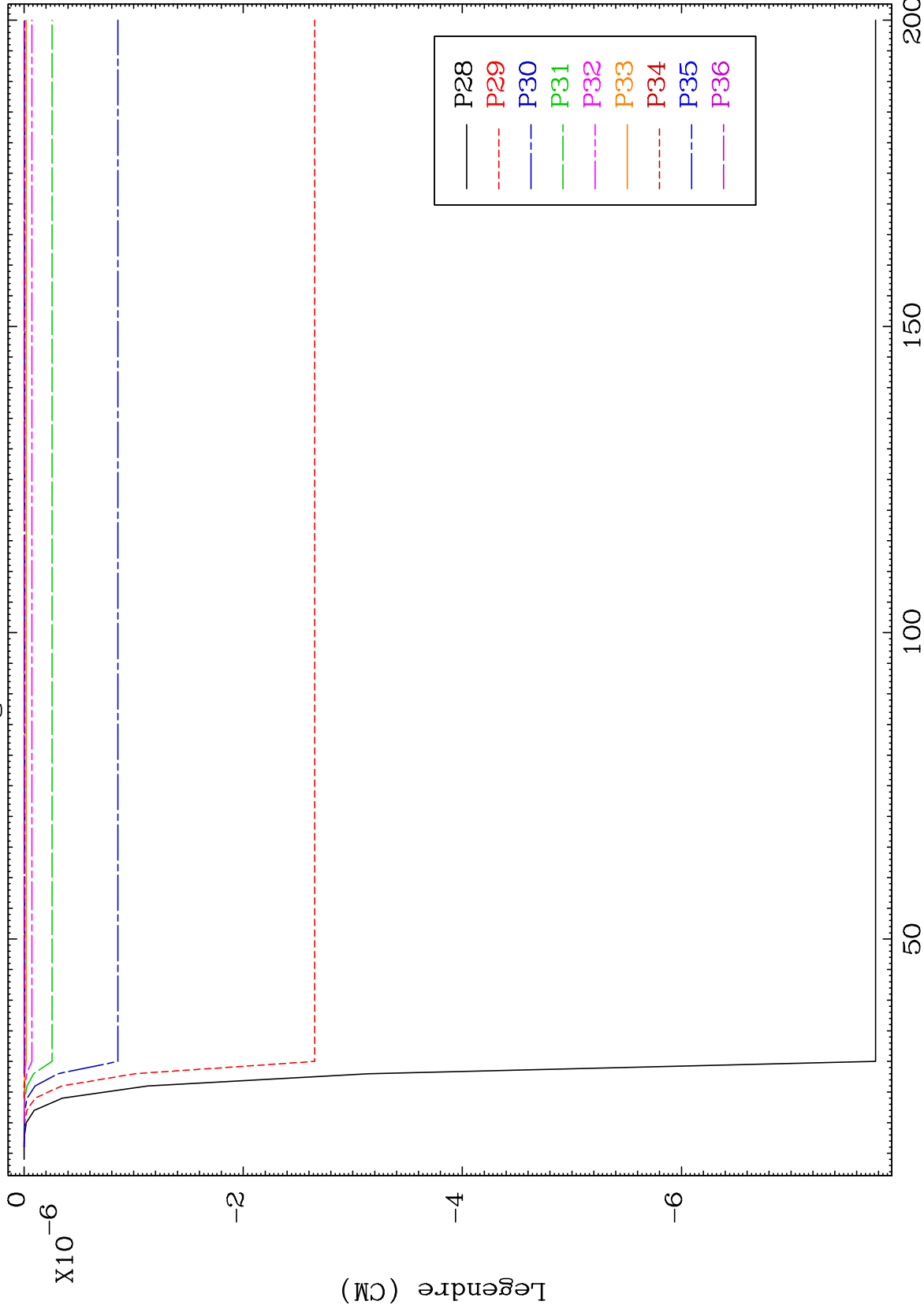
Incident Energy (MeV)

71

MAT 5843

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

58-Ce-142



58-Ce-142

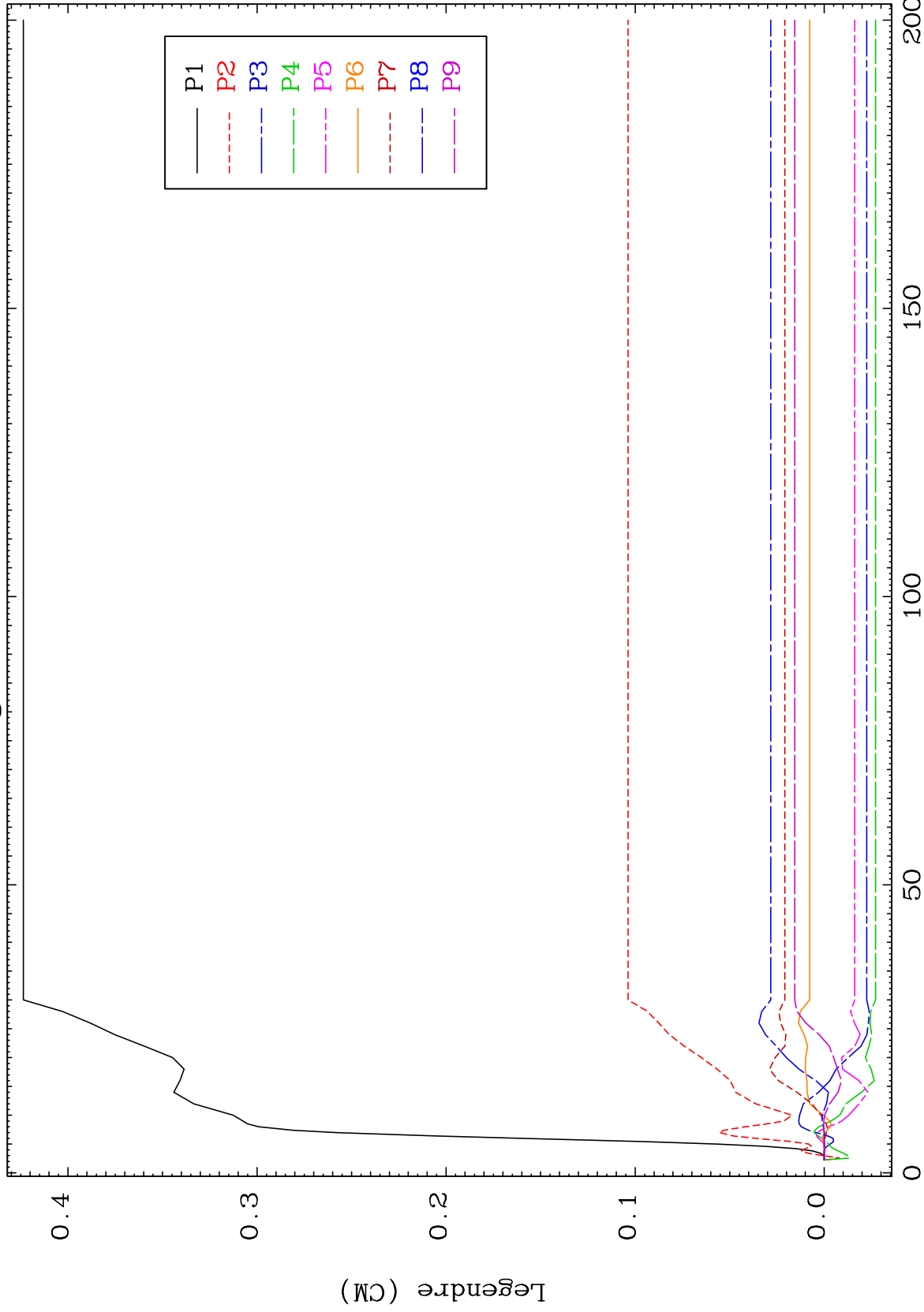
Incident Energy (MeV)

72

MAT 5843

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

58-Ce-142



73

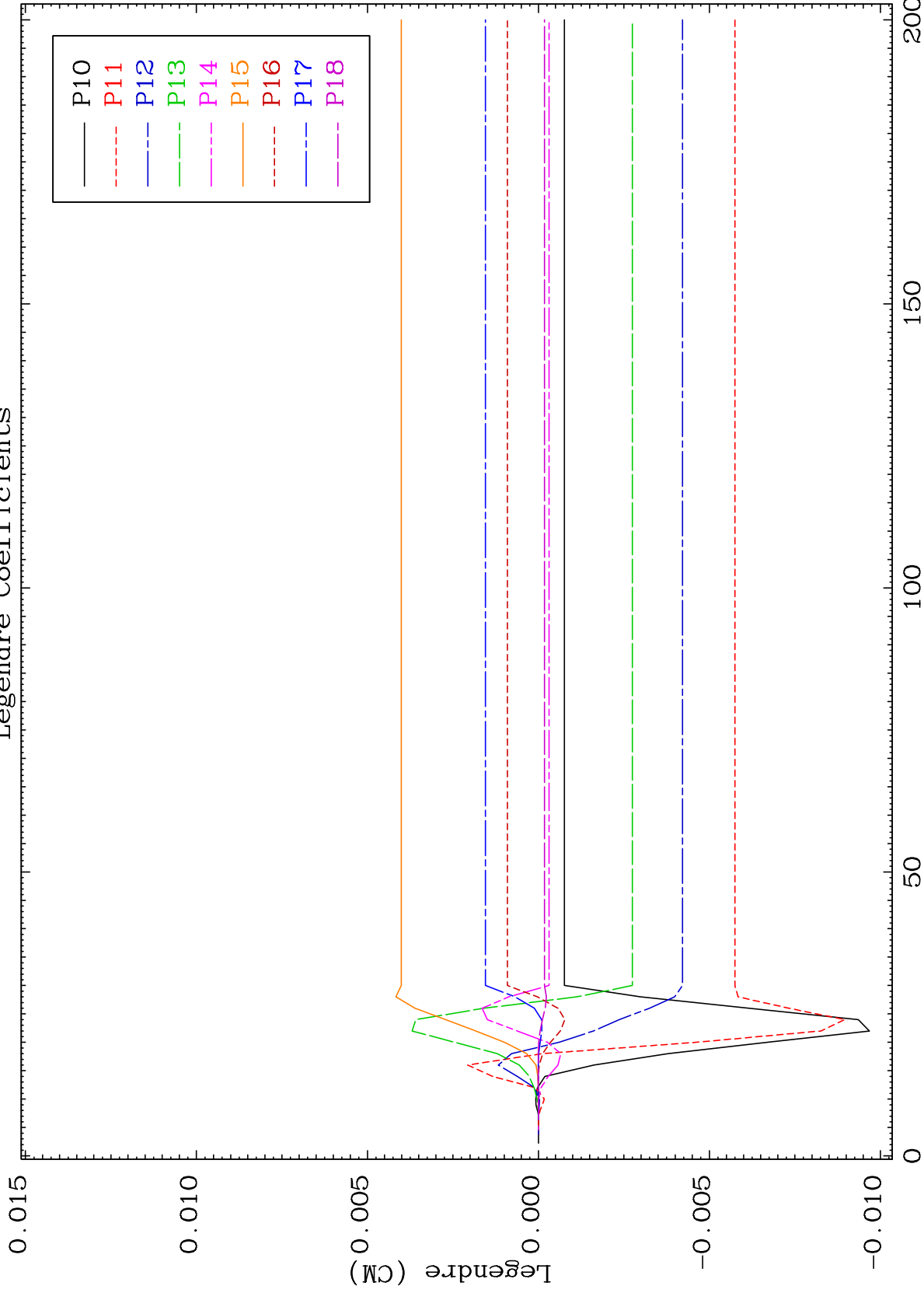
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



74

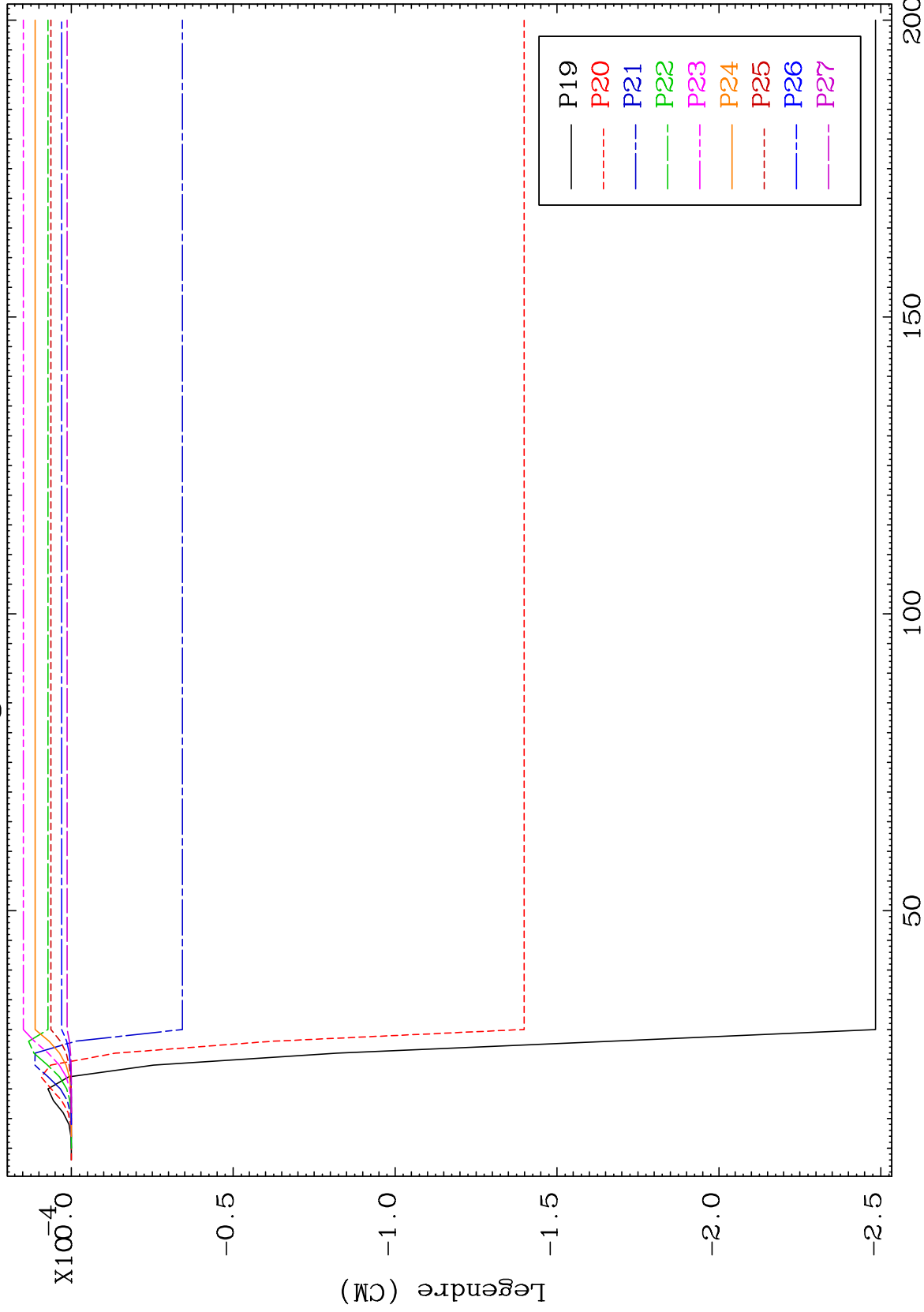
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



75

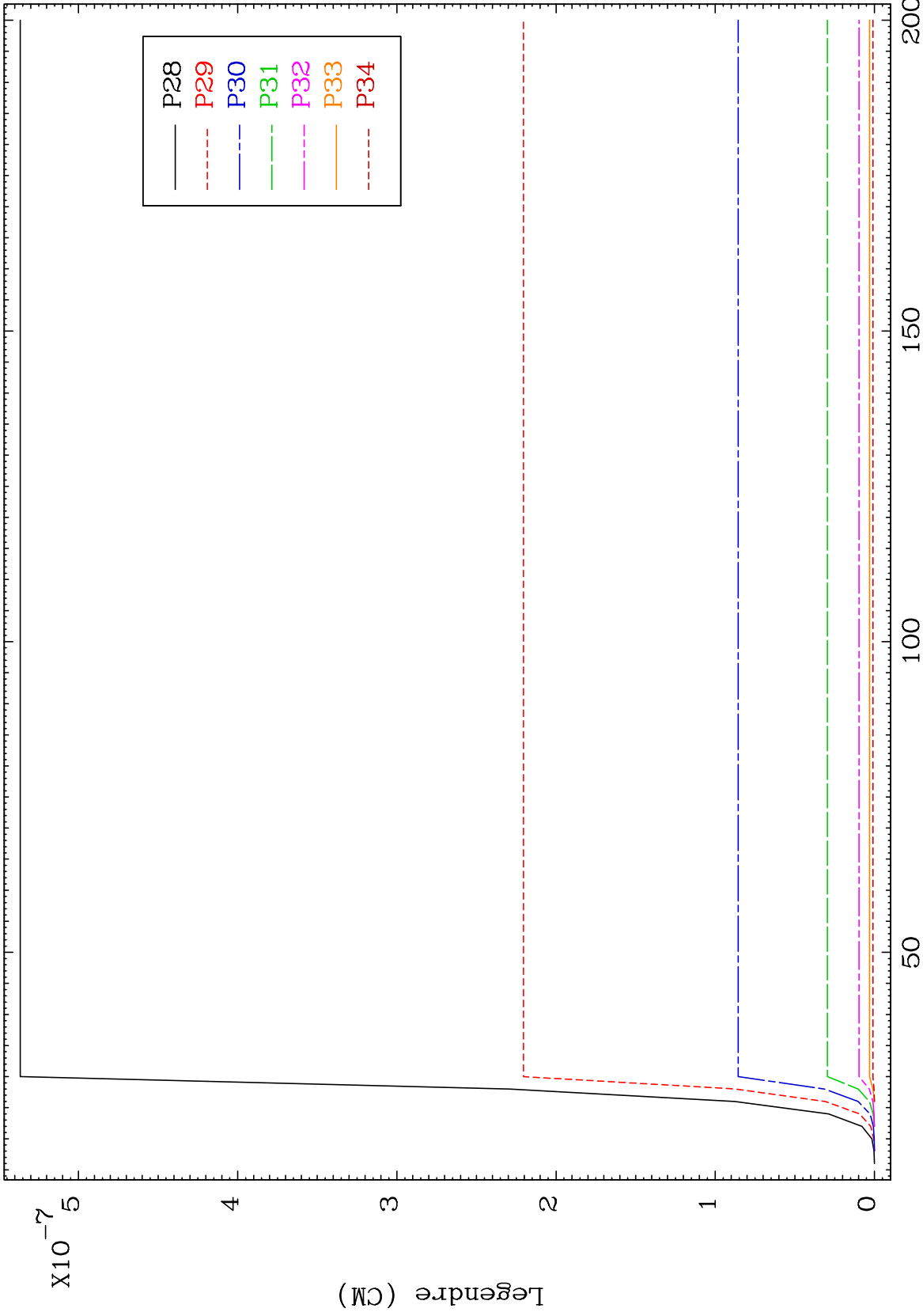
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



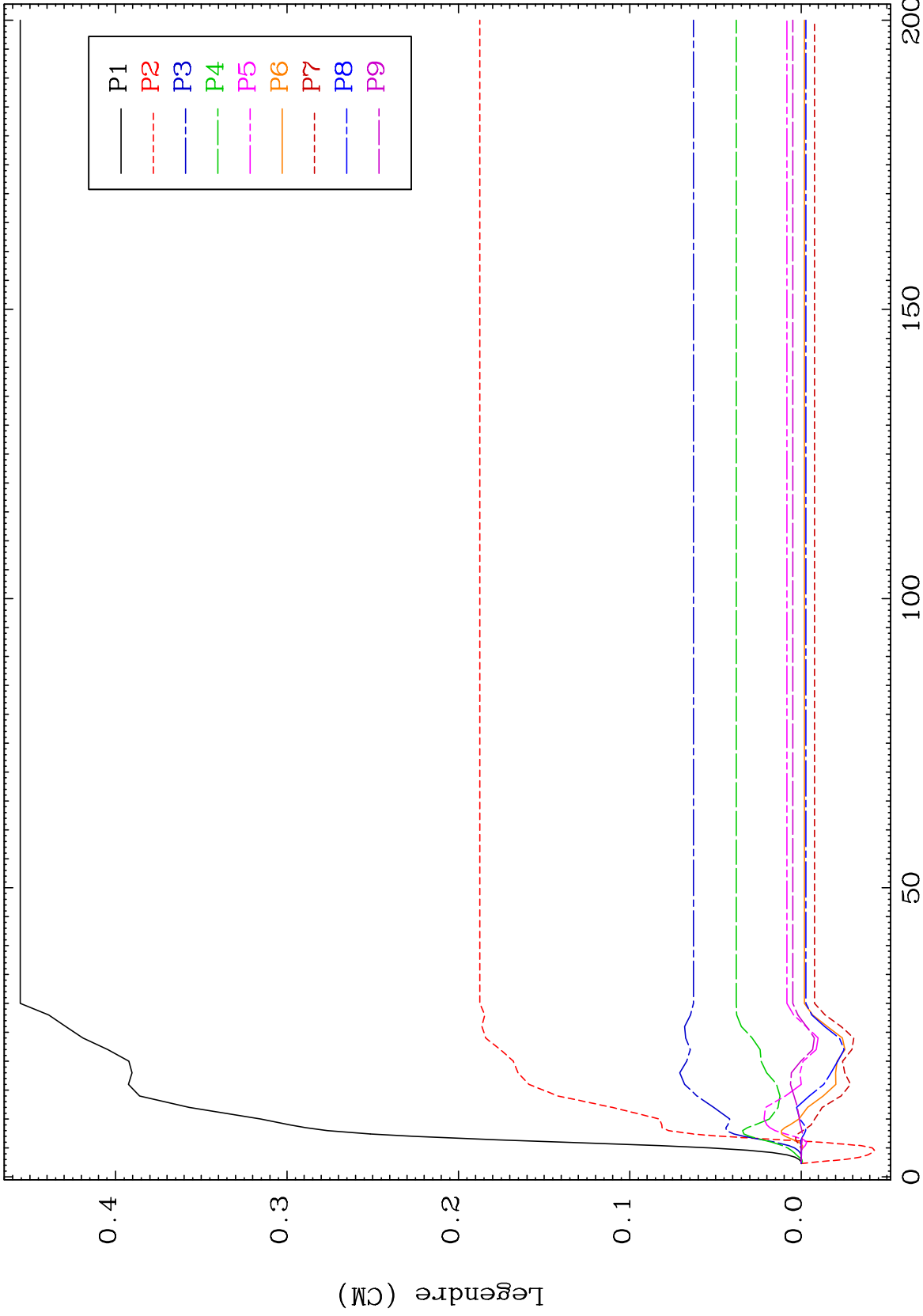
76

58-Ce-142

MAT 5843

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

58-Ce-142



77

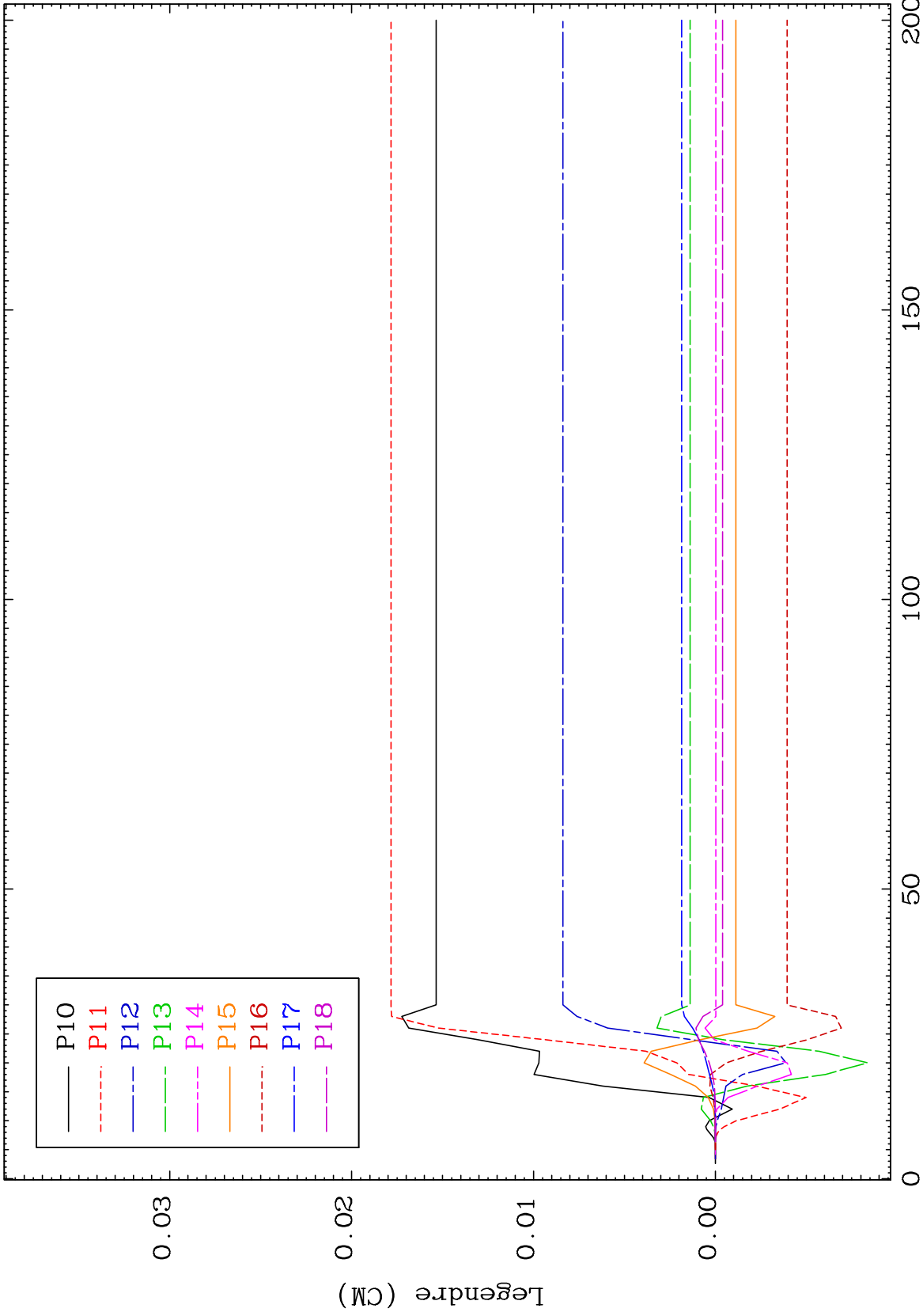
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



78

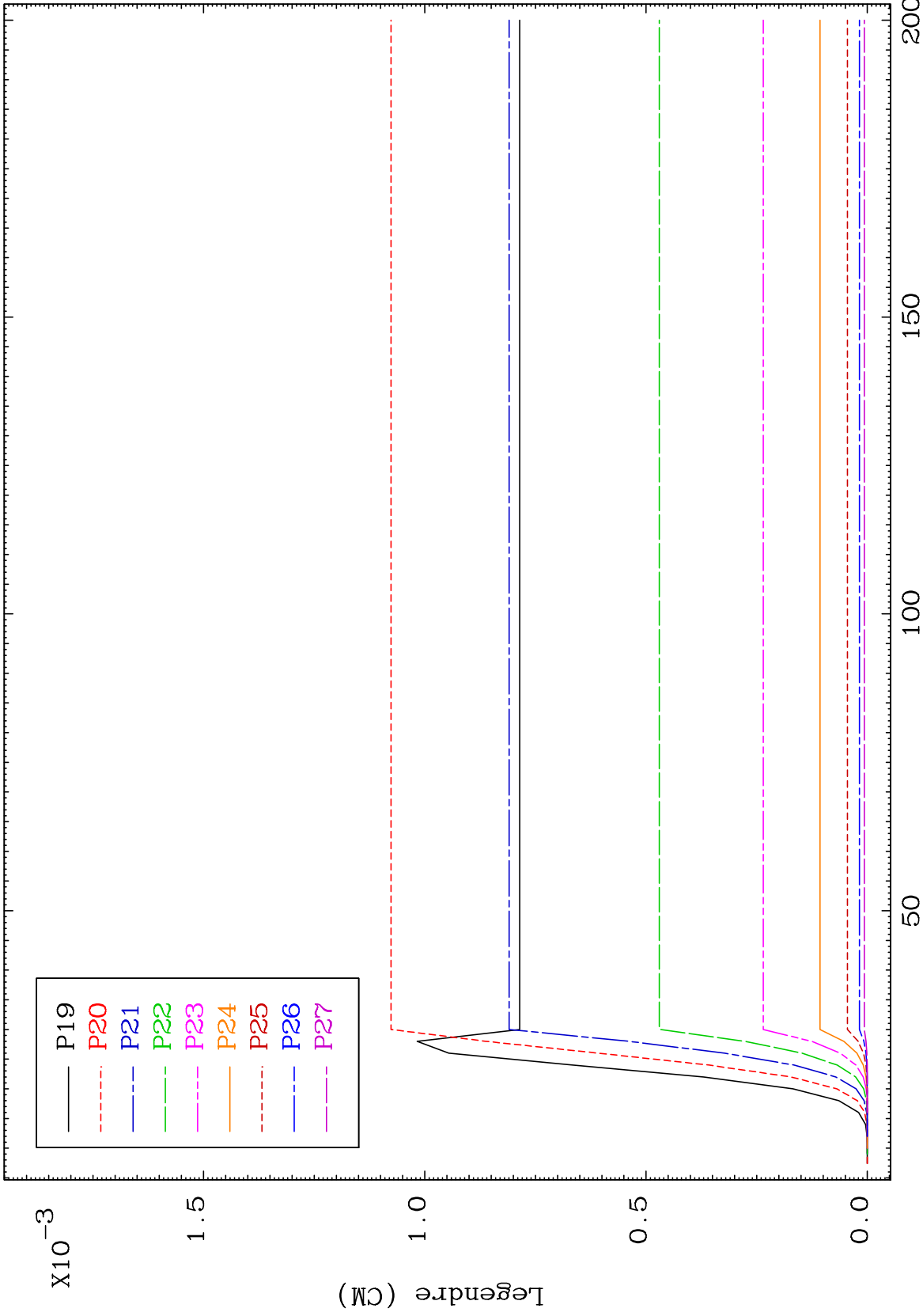
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

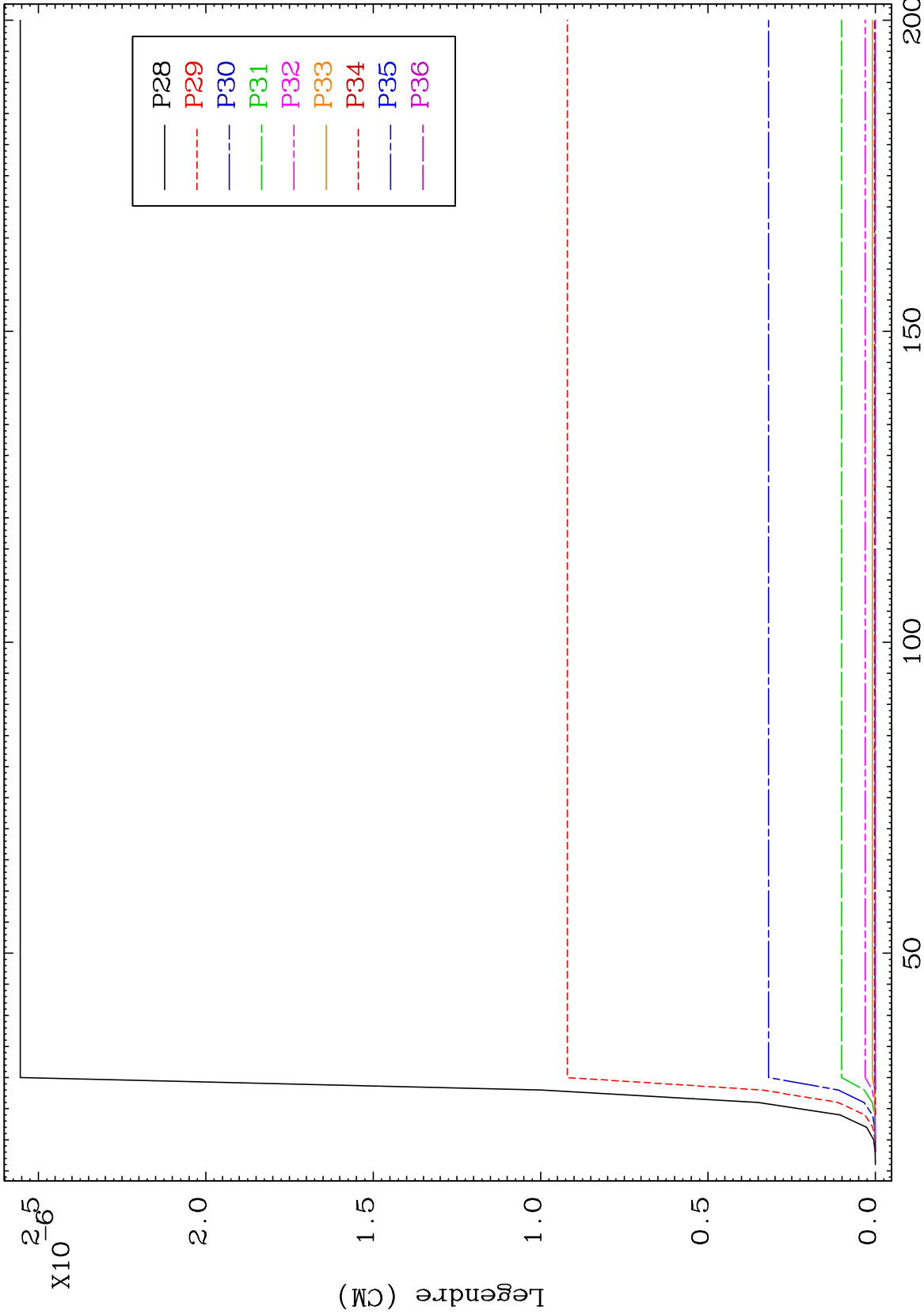
58-Ce-142



MAT 5843

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

58-Ce-142



80

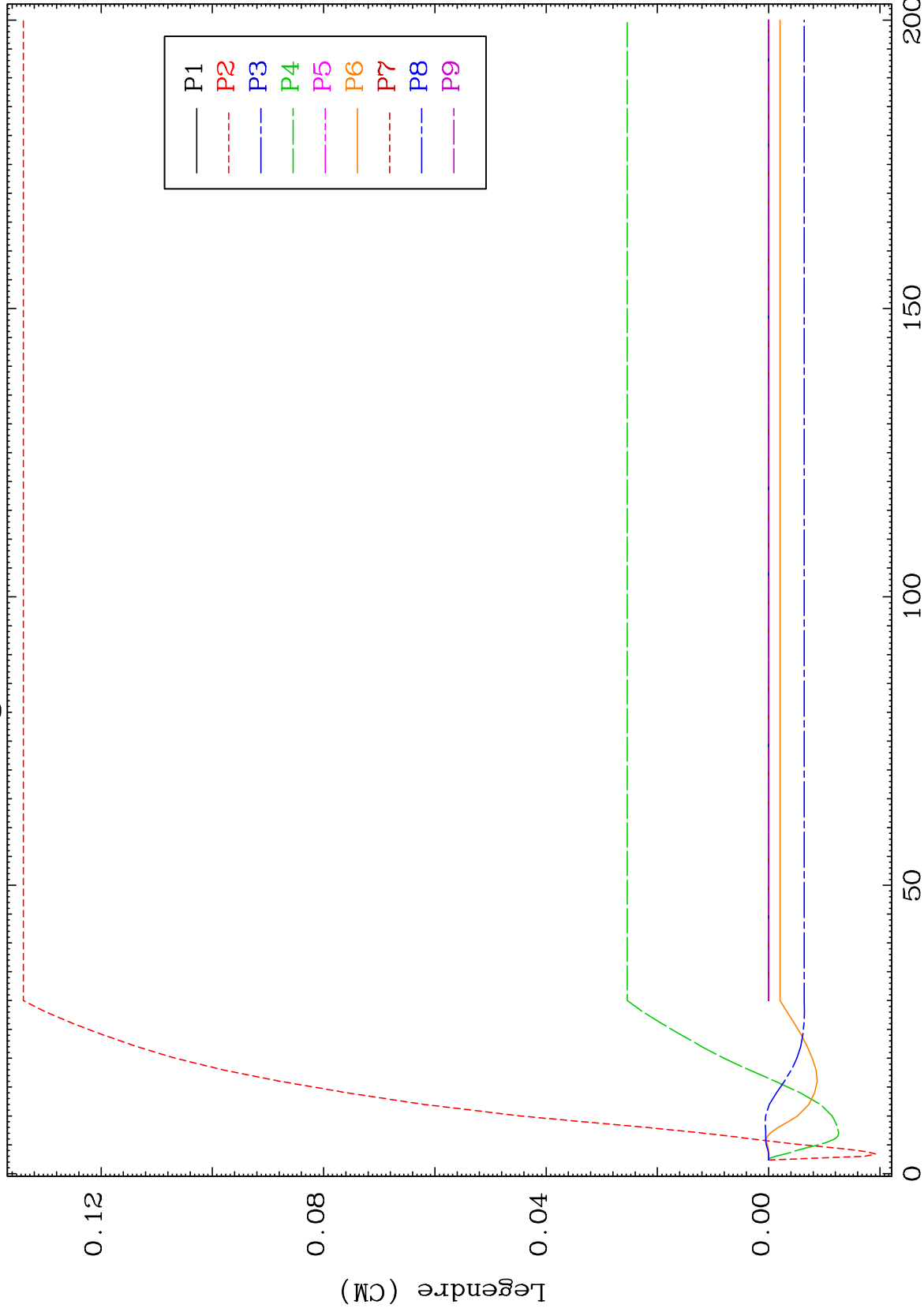
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



81

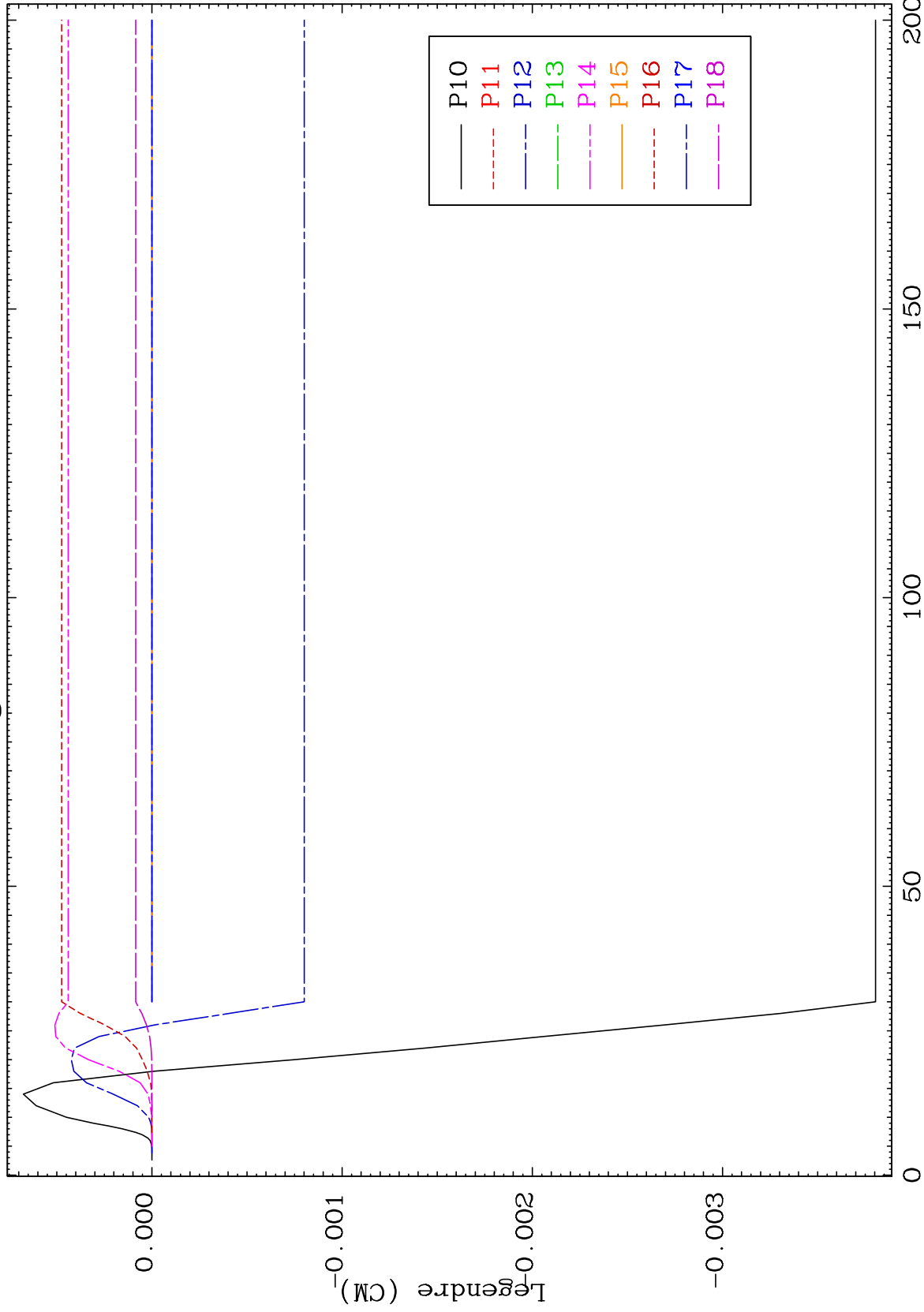
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



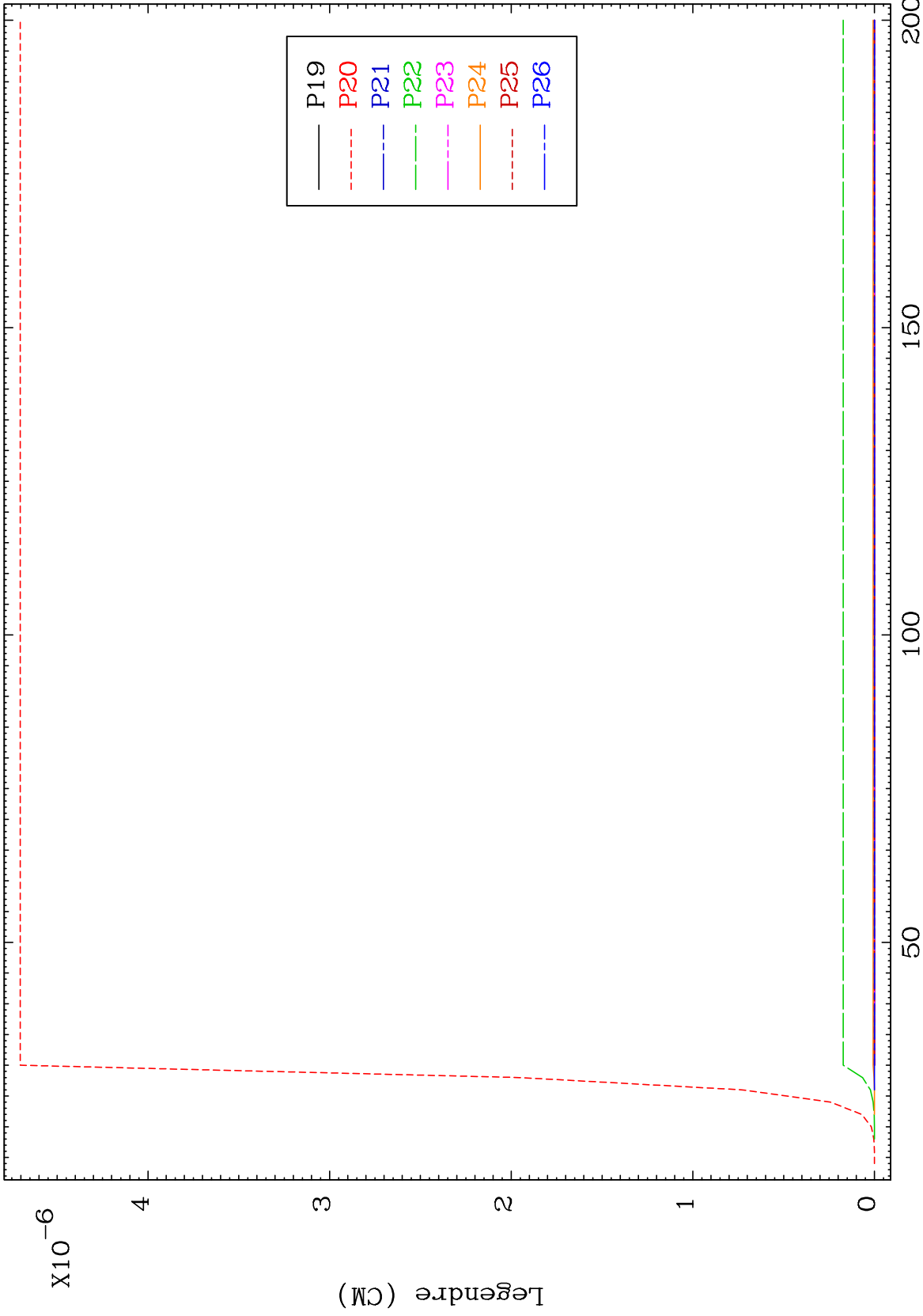
82

58-Ce-142

MAT 5843

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

58-Ce-142



83

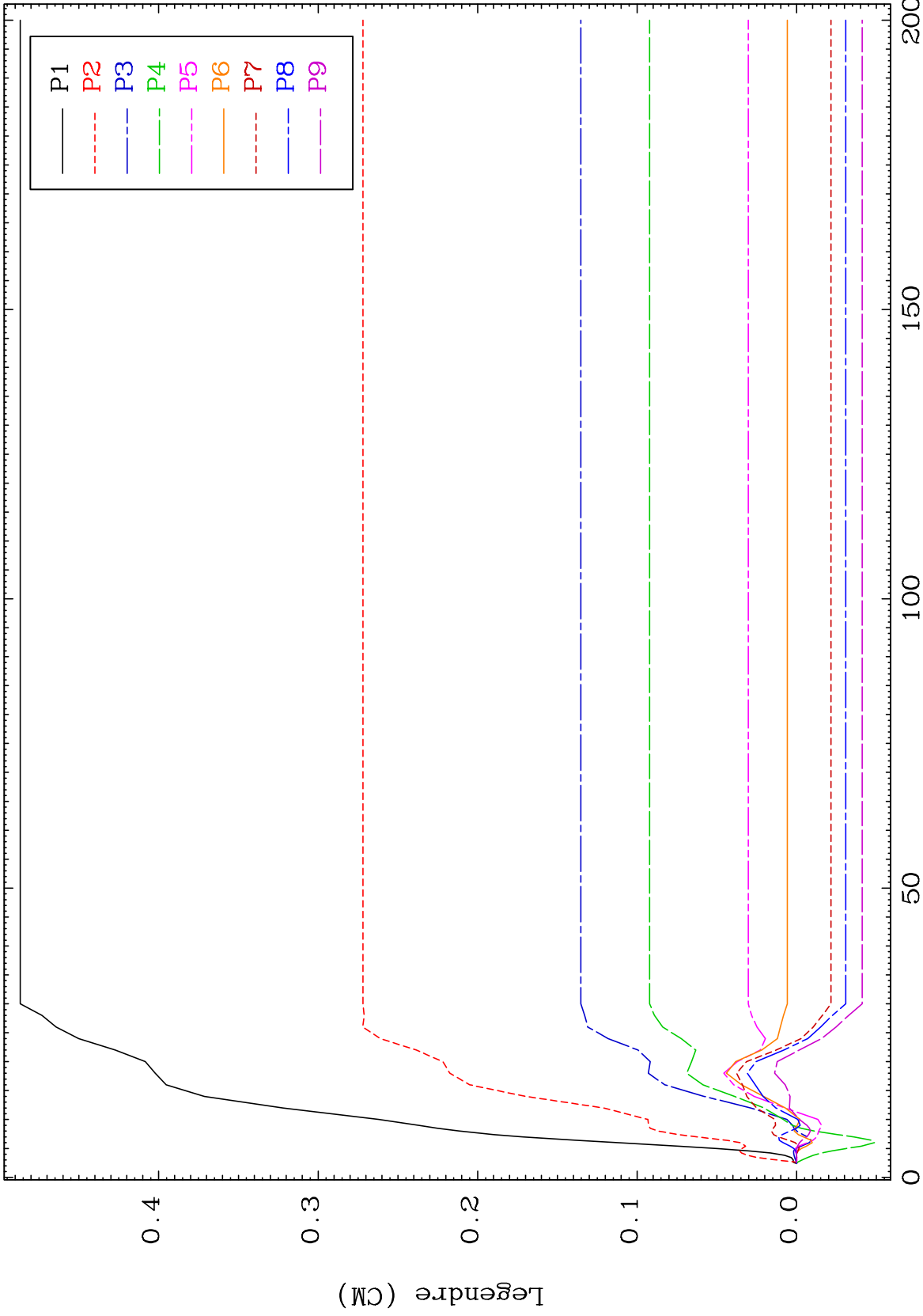
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



84

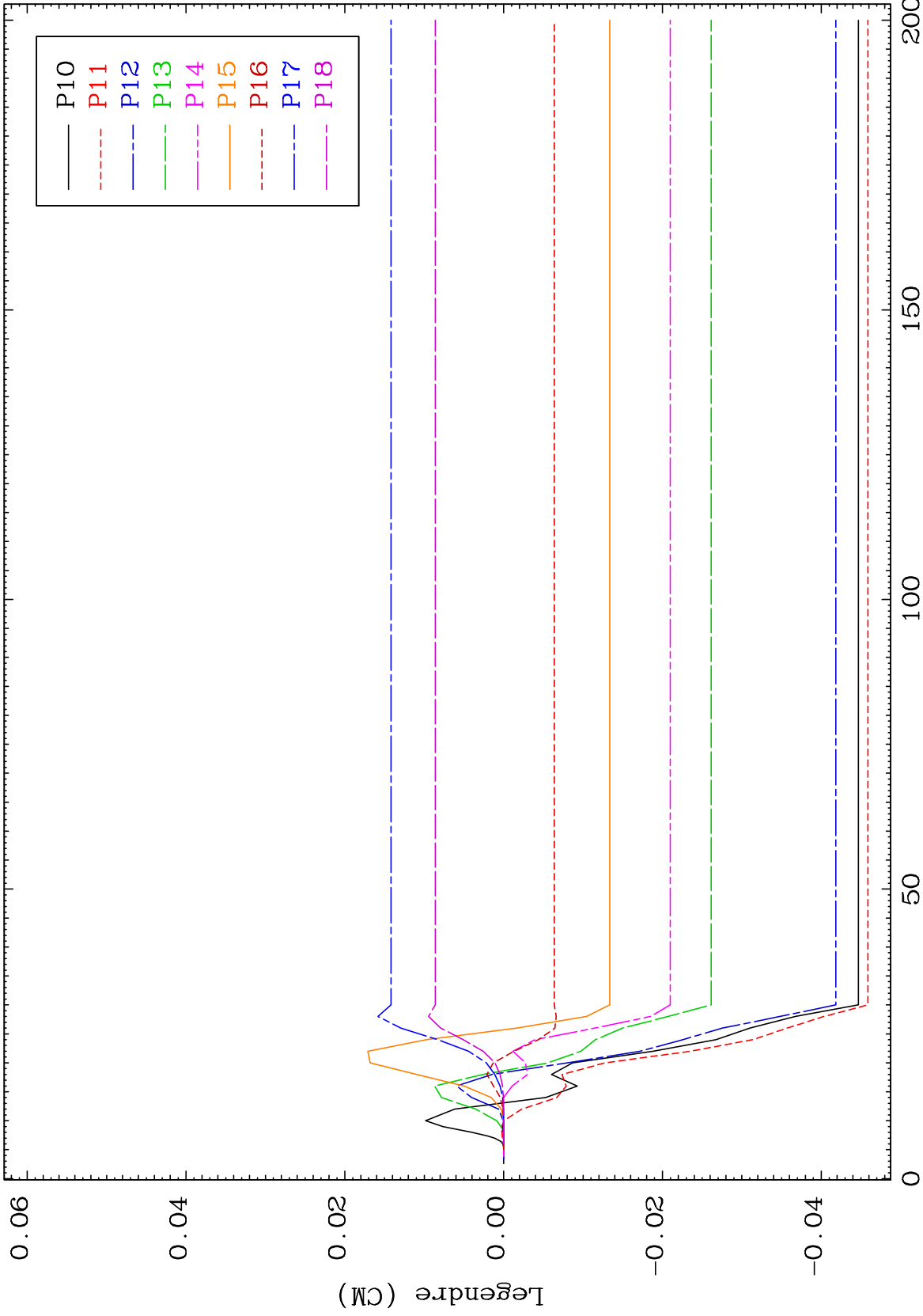
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



85

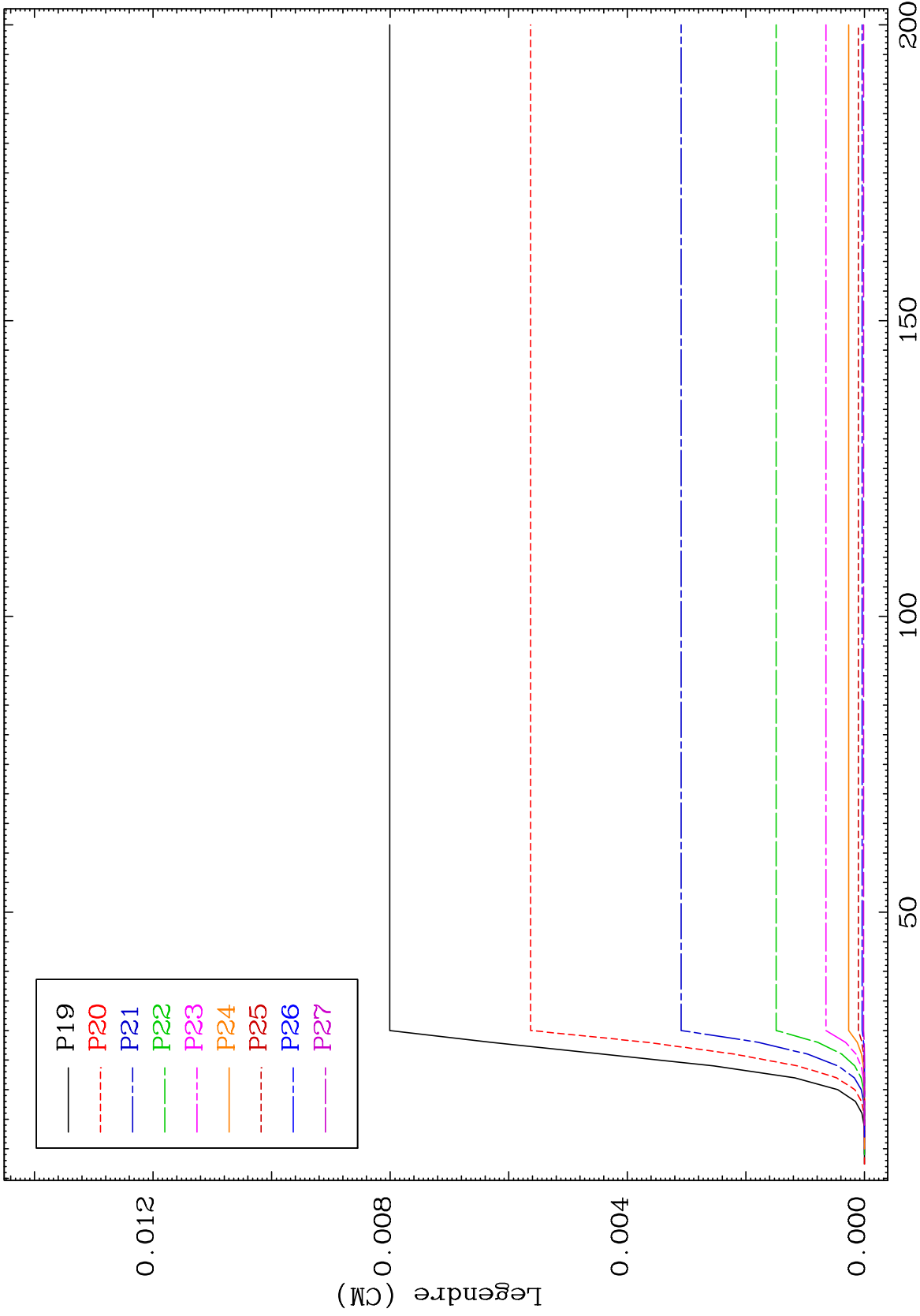
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142



86

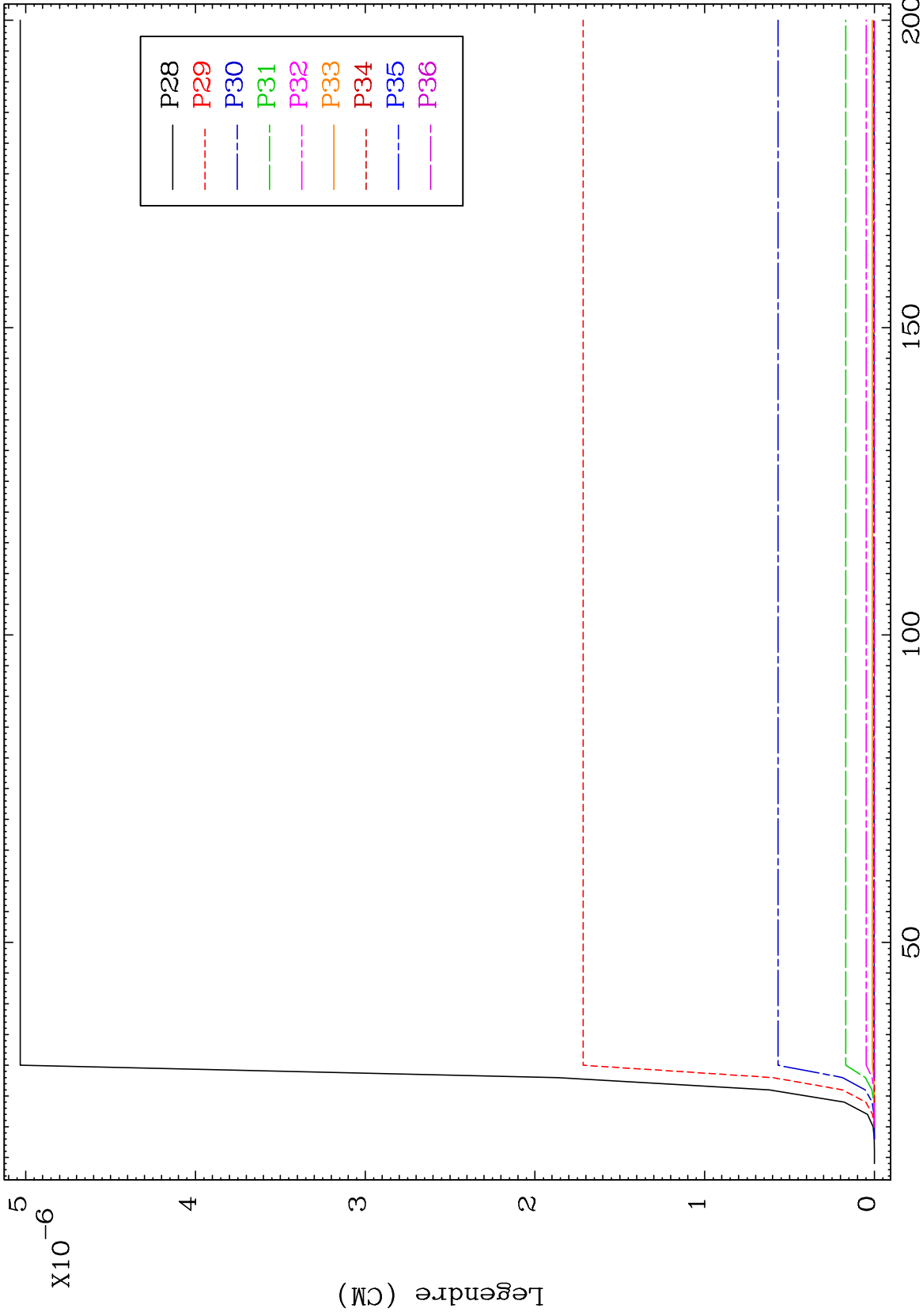
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142

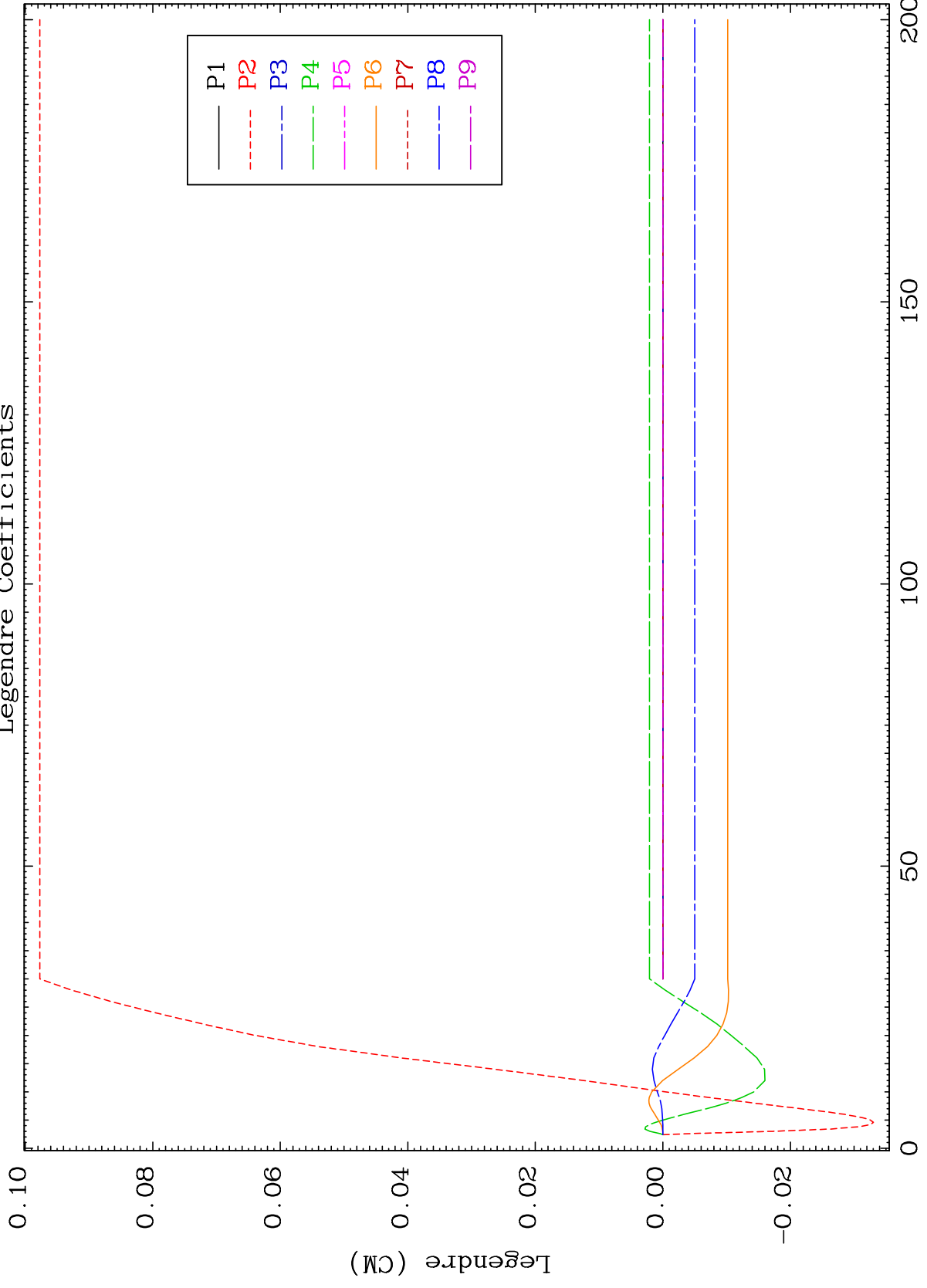


87

58-Ce-142

58-Ce-142

MAT 5843 MT= 69 (n,n') Level Legendre Coefficients 58-Ce-142

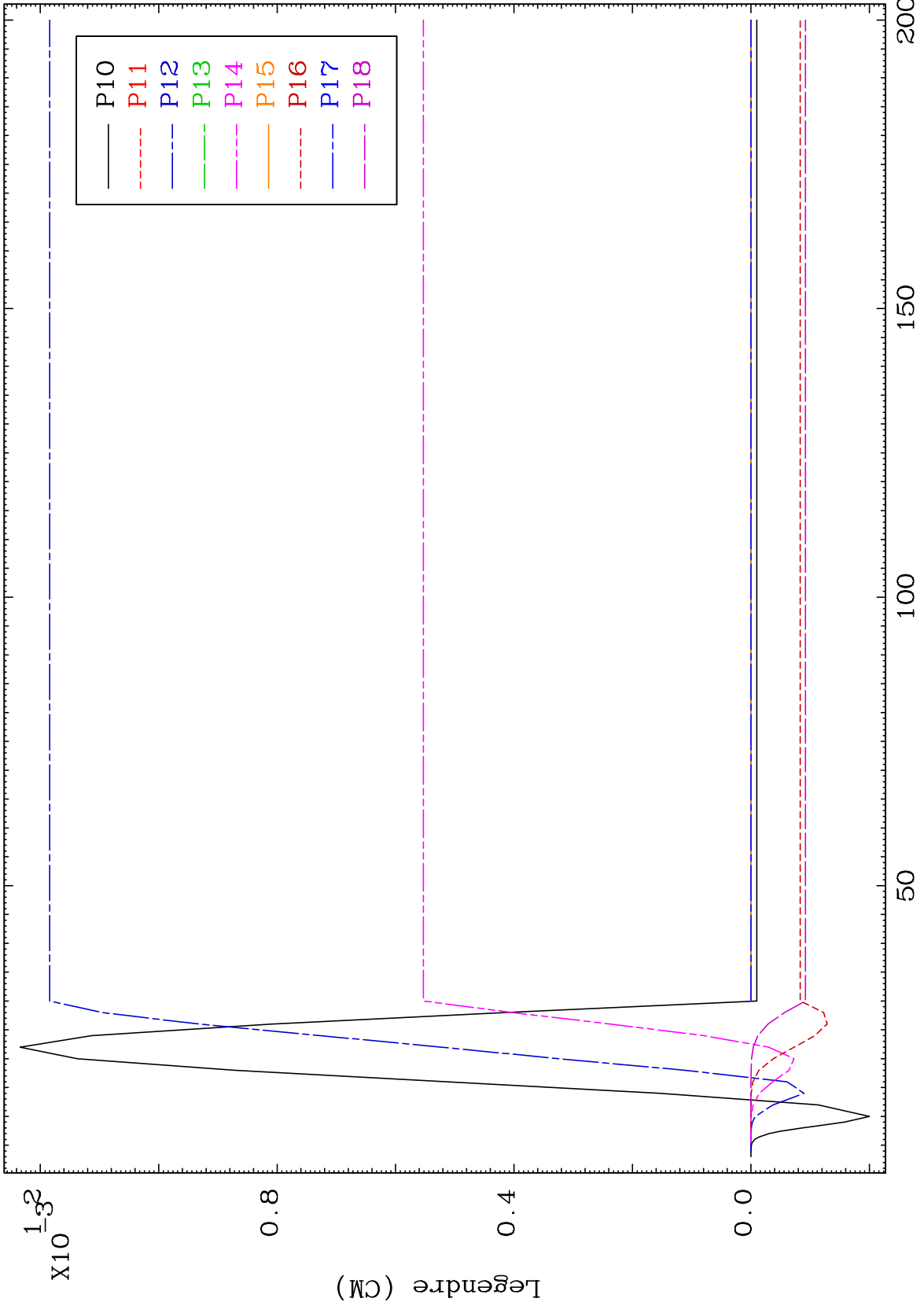


88 58-Ce-142

MAT 5843

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

58-Ce-142



89

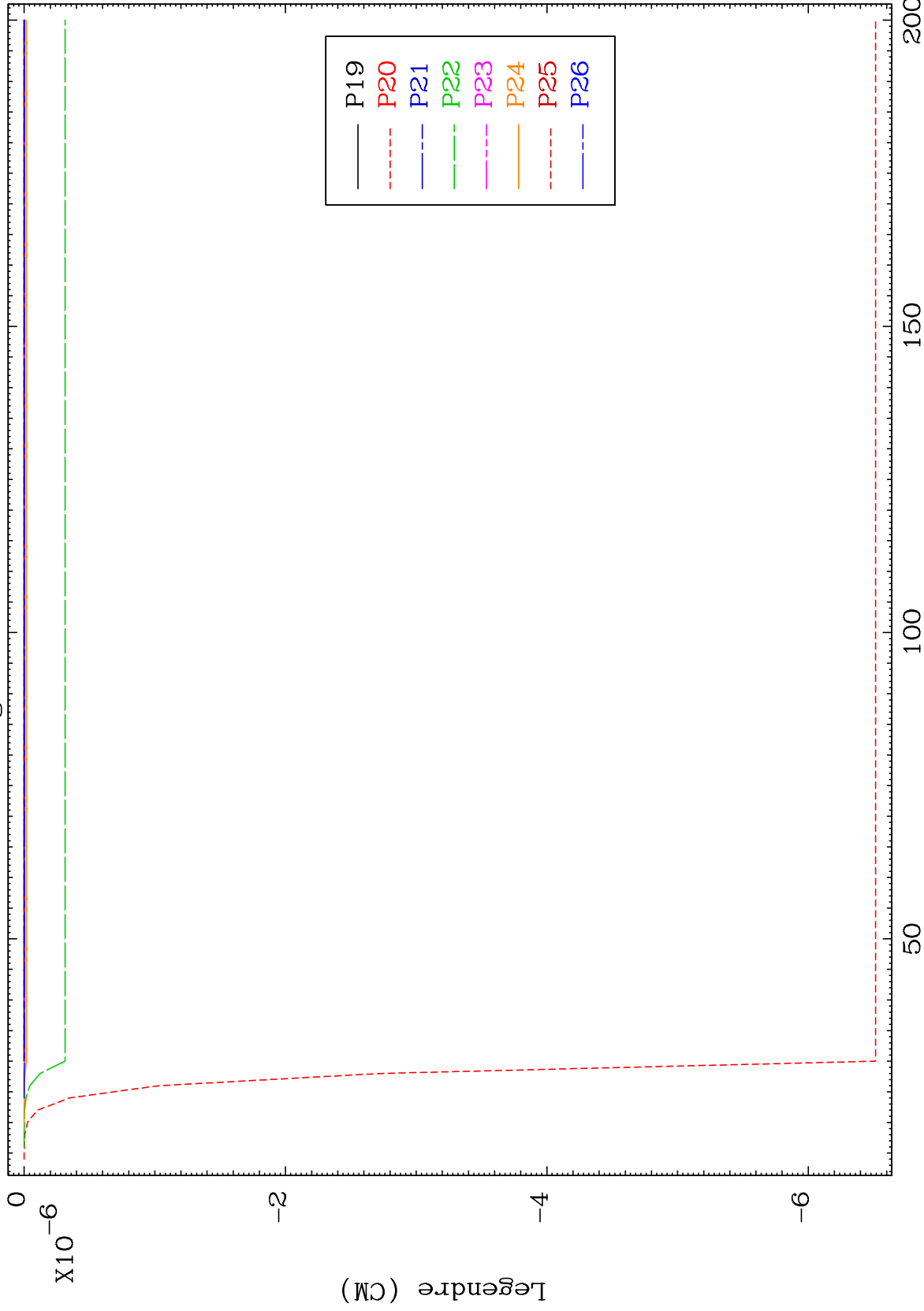
Incident Energy (MeV)

58-Ce-142

MAT 5843

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

58-Ce-142

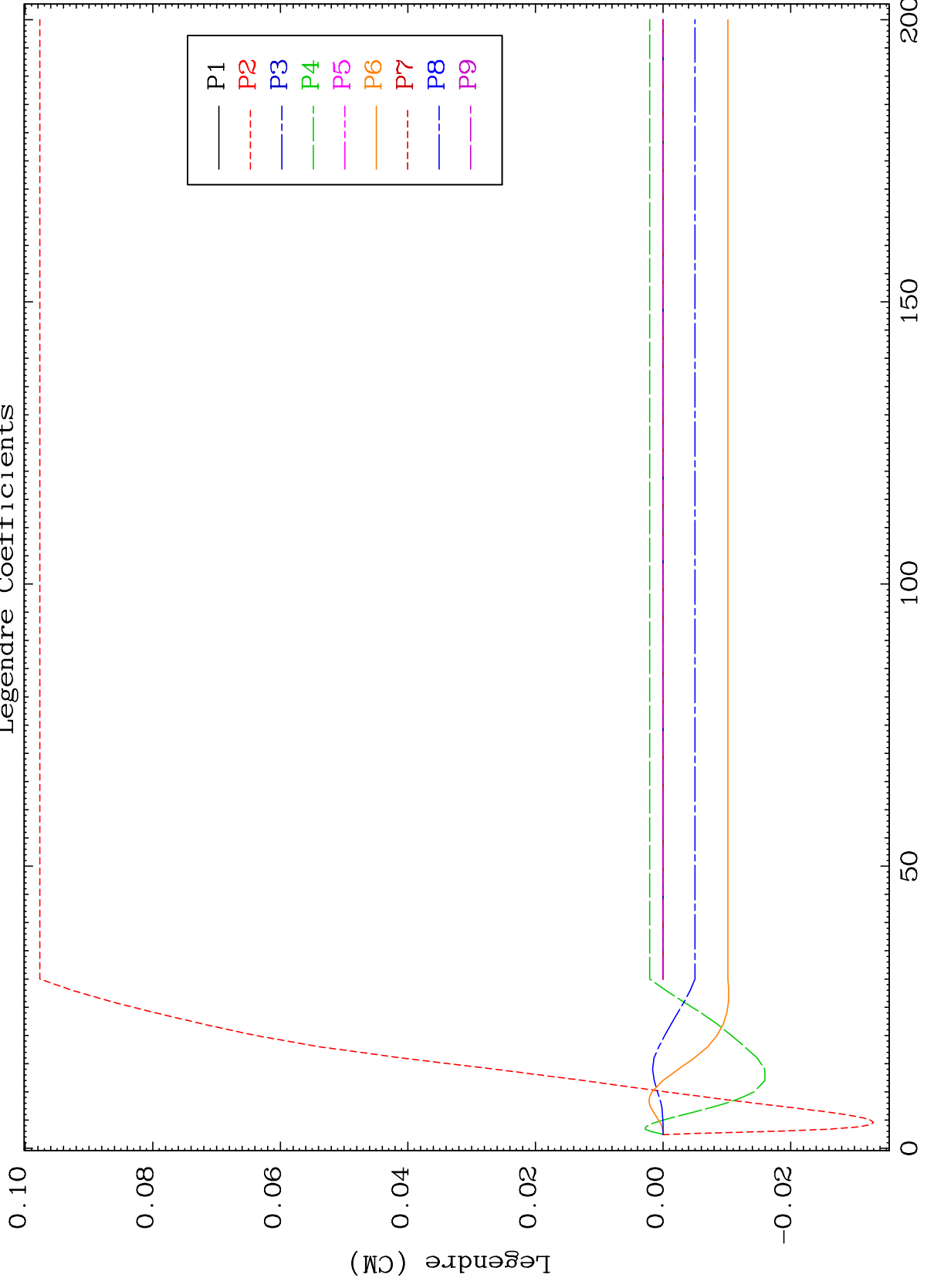


90

Incident Energy (MeV)

58-Ce-142

MAT 5843 MT= 70 (n,n') Level Legendre Coefficients 58-Ce-142

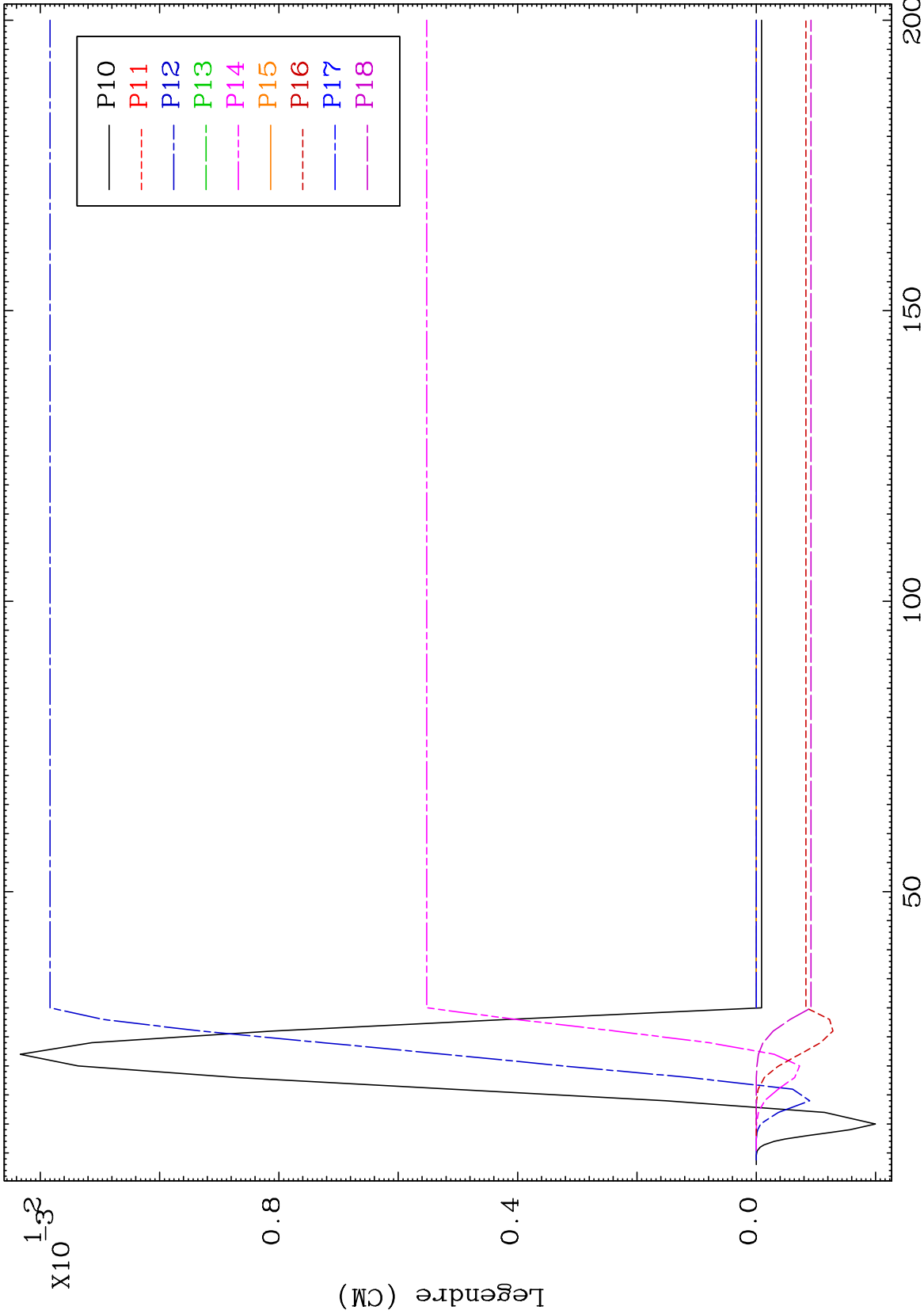


91 58-Ce-142

MAT 5843

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

58-Ce-142



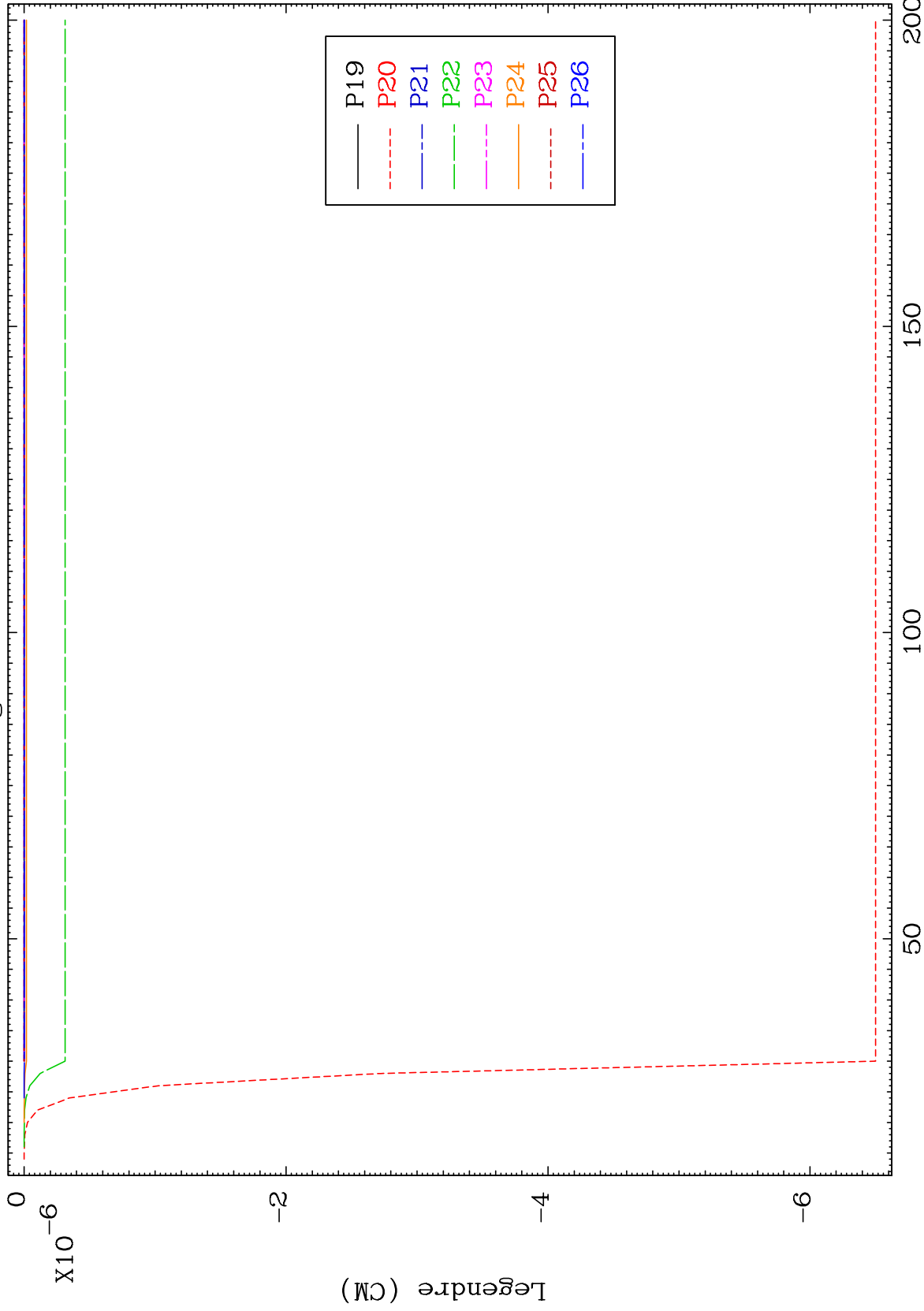
92

58-Ce-142

MAT 5843

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

58-Ce-142

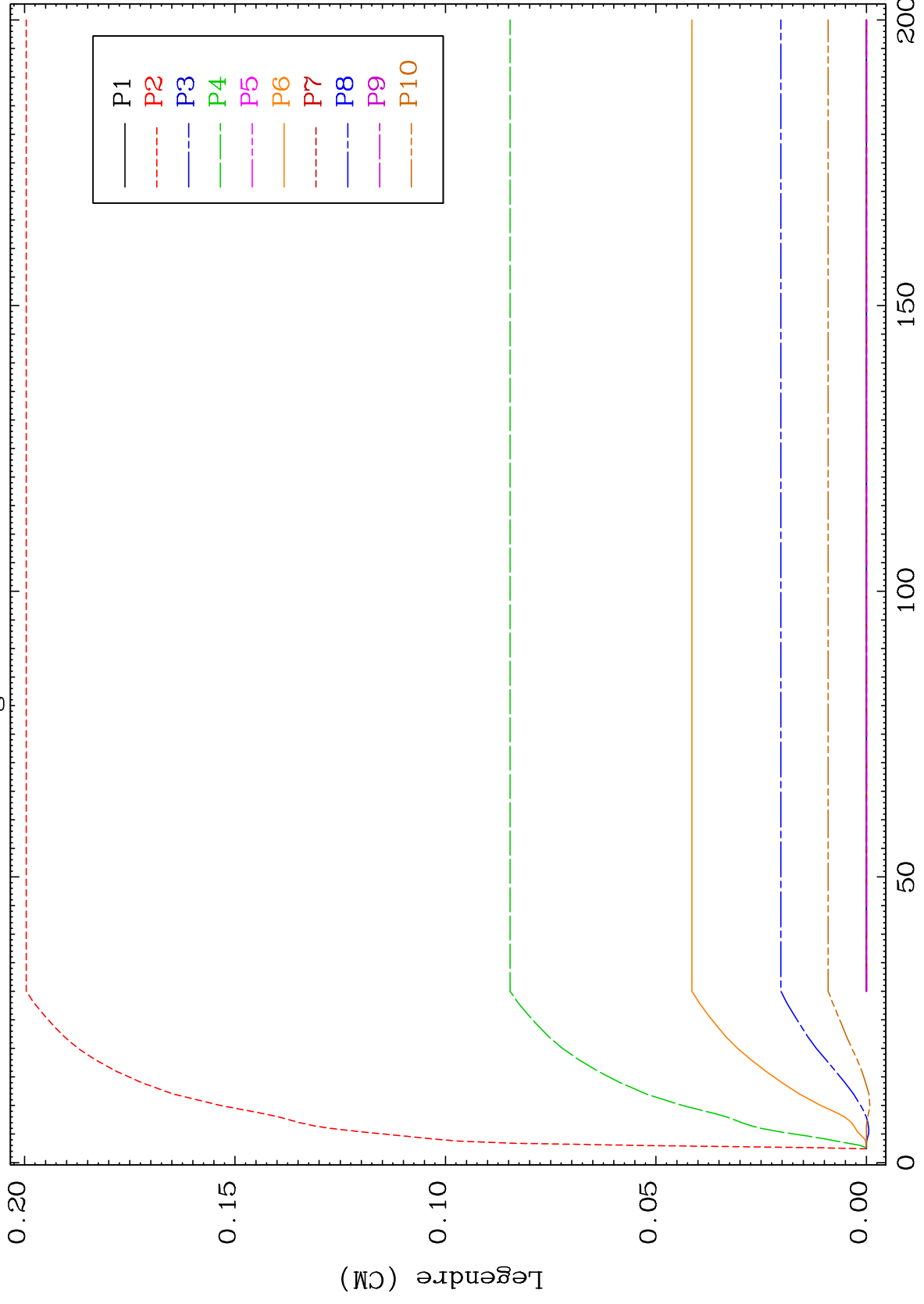


93

Incident Energy (MeV)

58-Ce-142

MAT 5843 MT= 71 (n,n') Level Legendre Coefficients 58-Ce-142

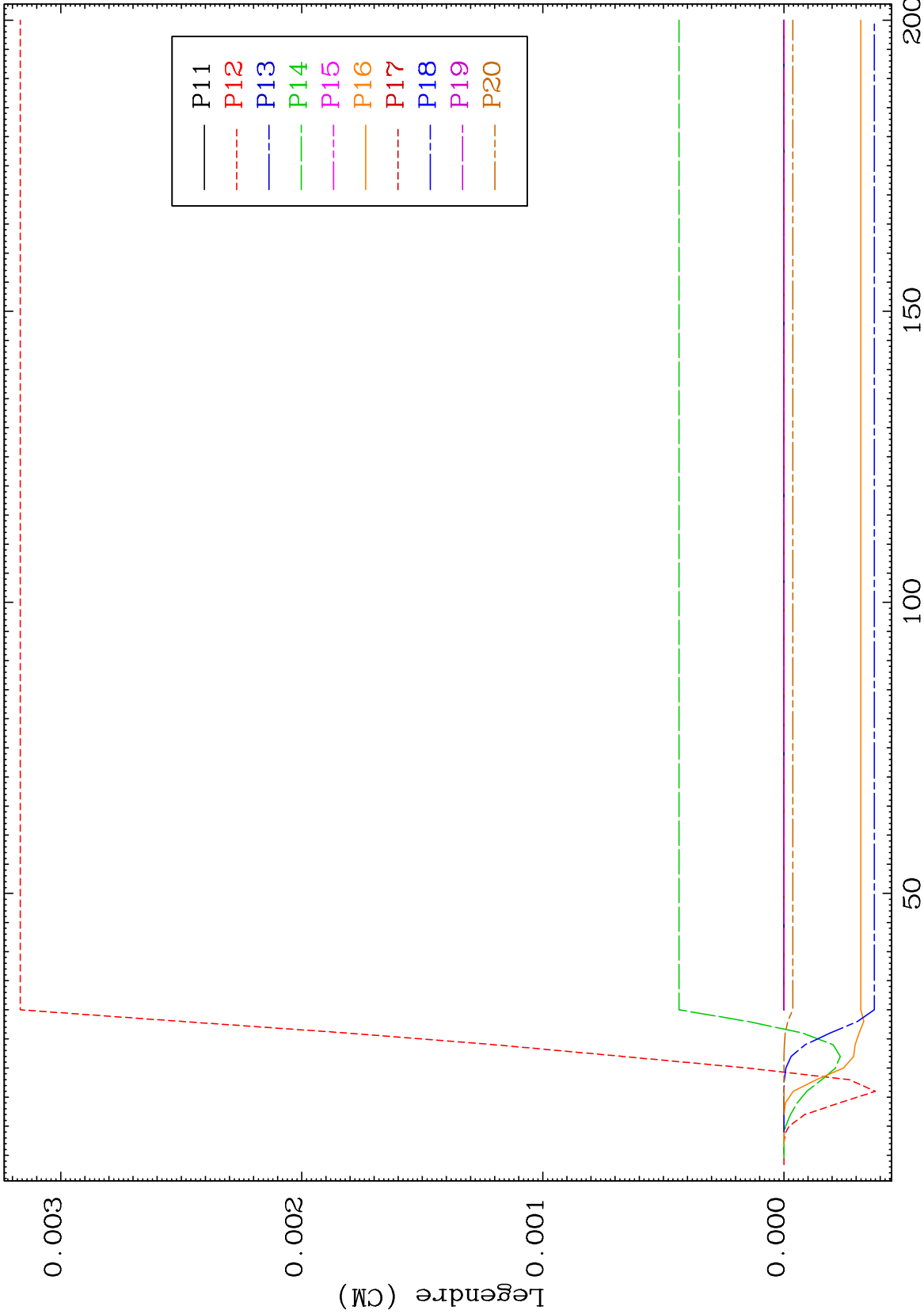


94 58-Ce-142

MAT 5843

MT= 71 (n,n') Level
Legendre Coefficients

58-Ce-142



95

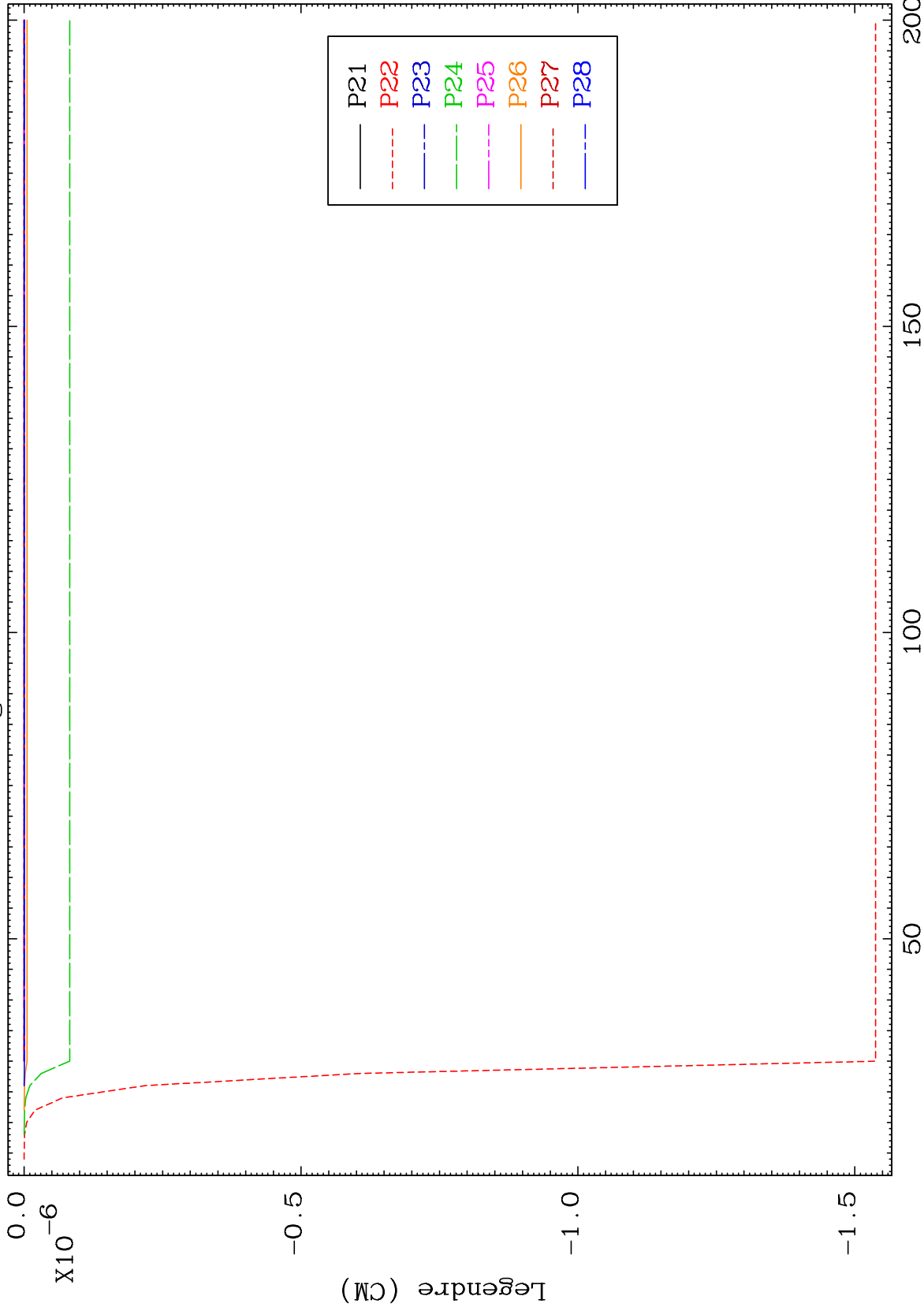
Incident Energy (MeV)

58-Ce-142

MAT 5843

MT= 71 (n,n') Level
Legendre Coefficients

58-Ce-142



96

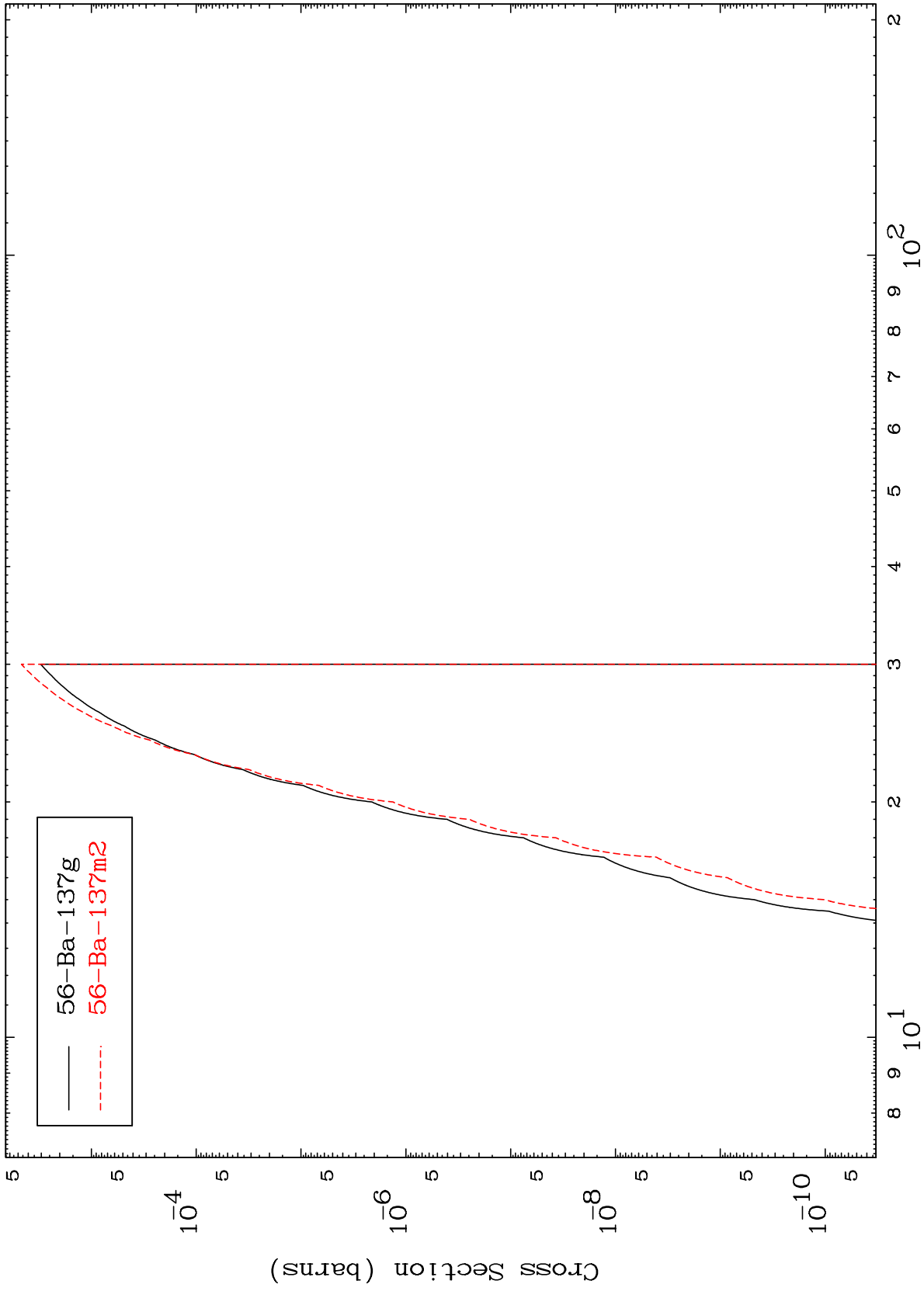
58-Ce-142

MAT 5843

(n,2n) α

58-Ce-142

Radionuclide Production Cross Section



97

Incident Energy (MeV)

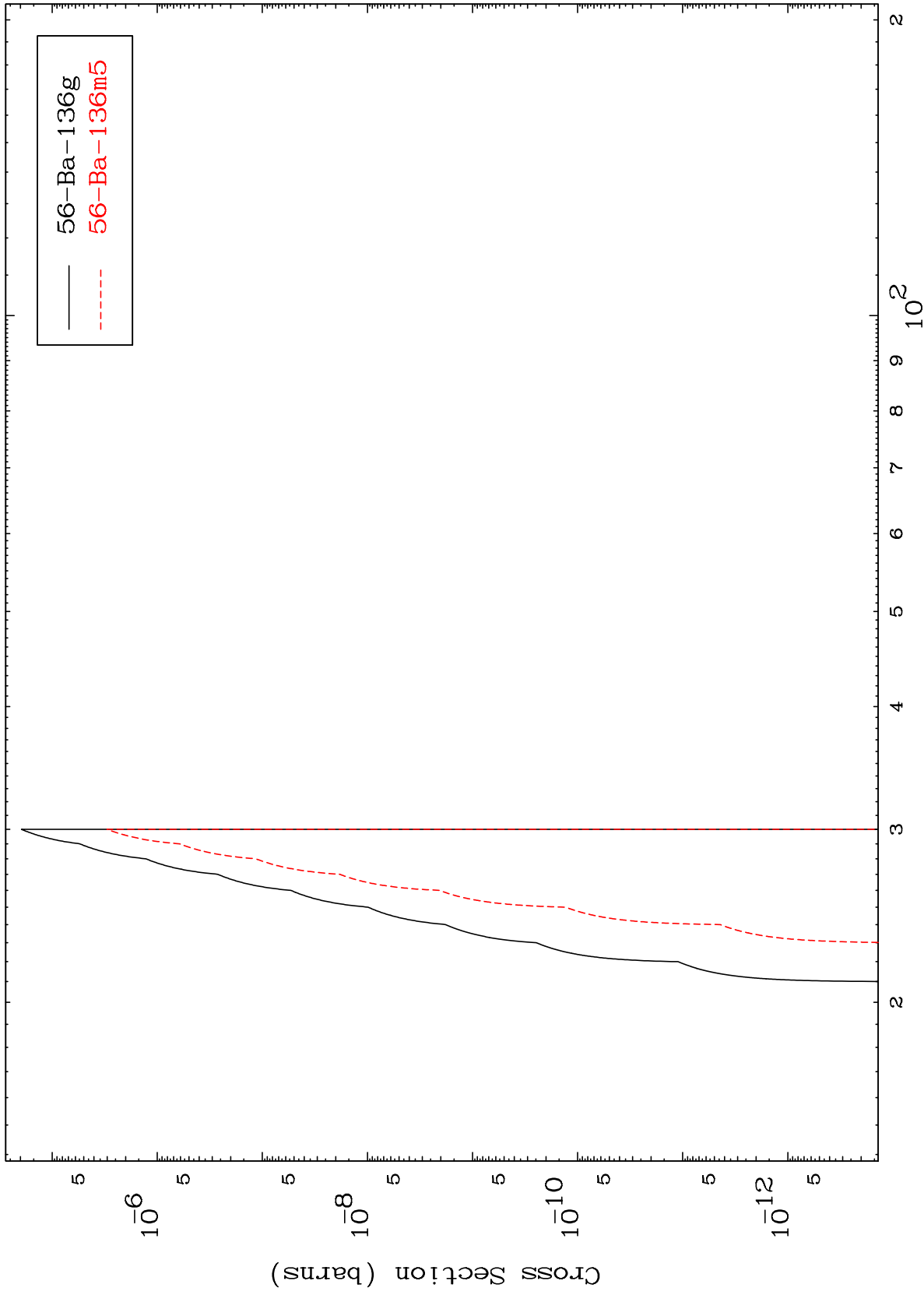
58-Ce-142

MAT 5843

(n,3n) α

58-Ce-142

Radionuclide Production Cross Section



98

Incident Energy (MeV)

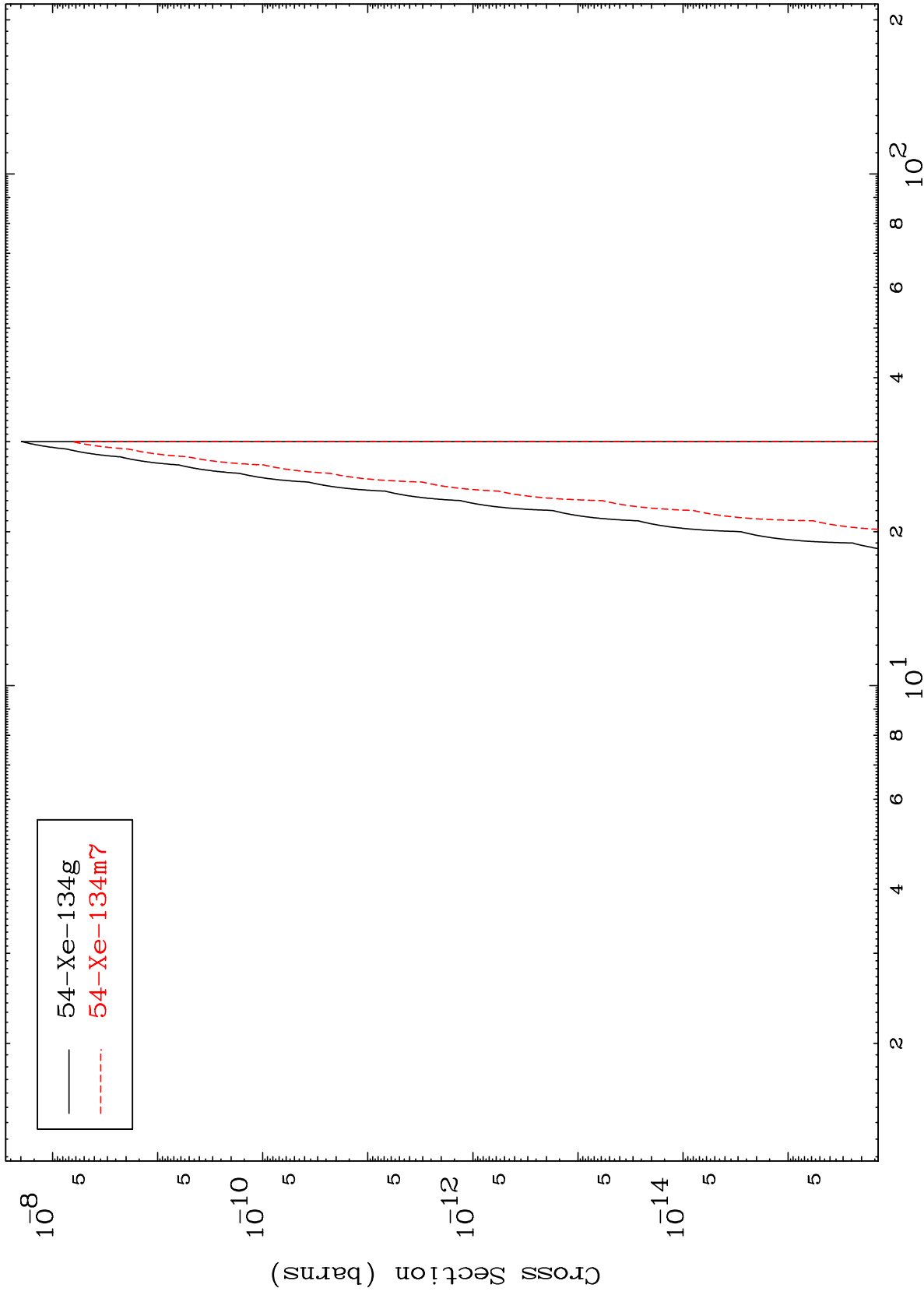
58-Ce-142

MAT 5843

(n,n') 2 α

58-Ce-142

Radionuclide Production Cross Section



99

Incident Energy (MeV)

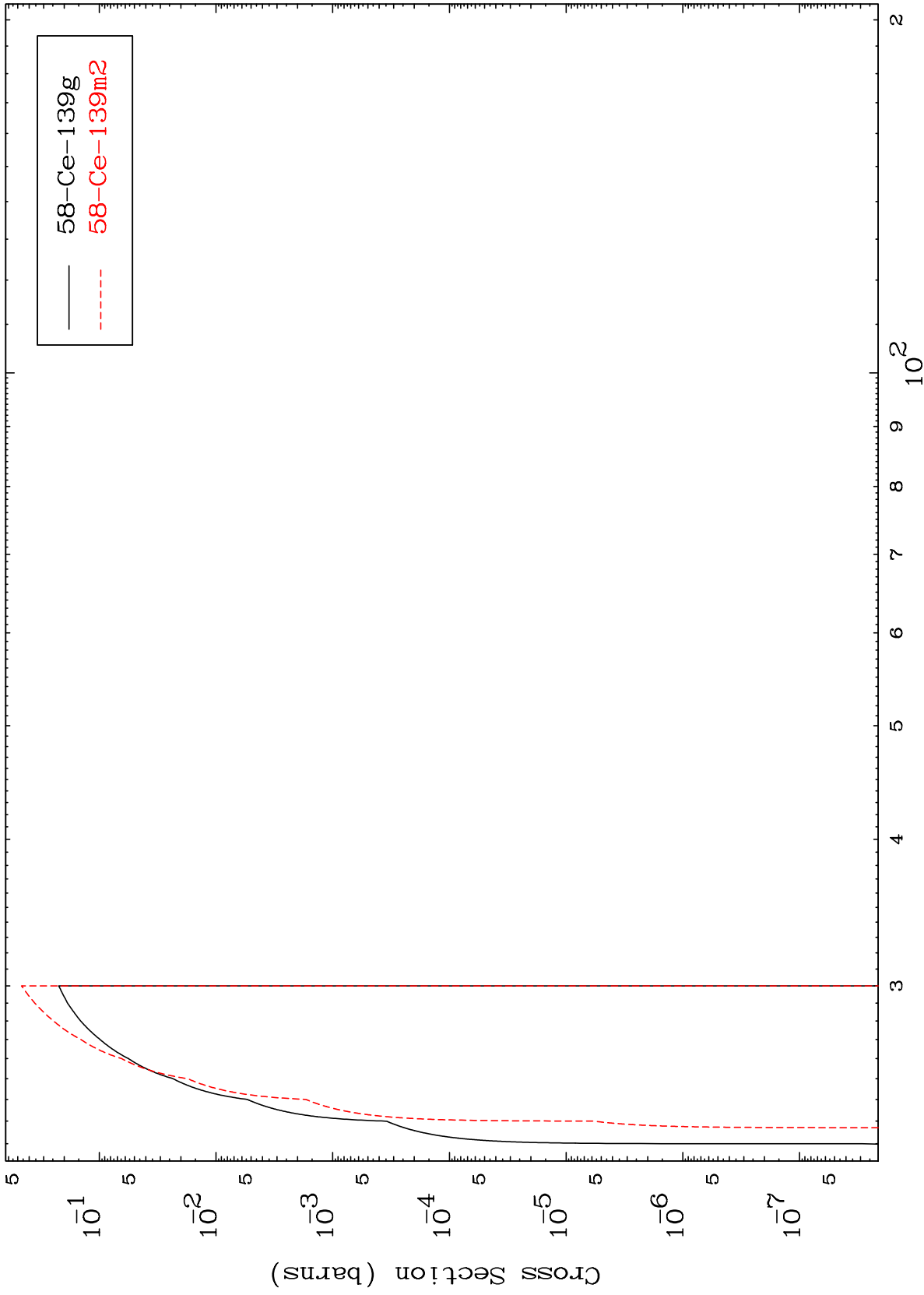
58-Ce-142

MAT 5843

(n,4n)

58-Ce-142

Radionuclide Production Cross Section



100

Incident Energy (MeV)

10²

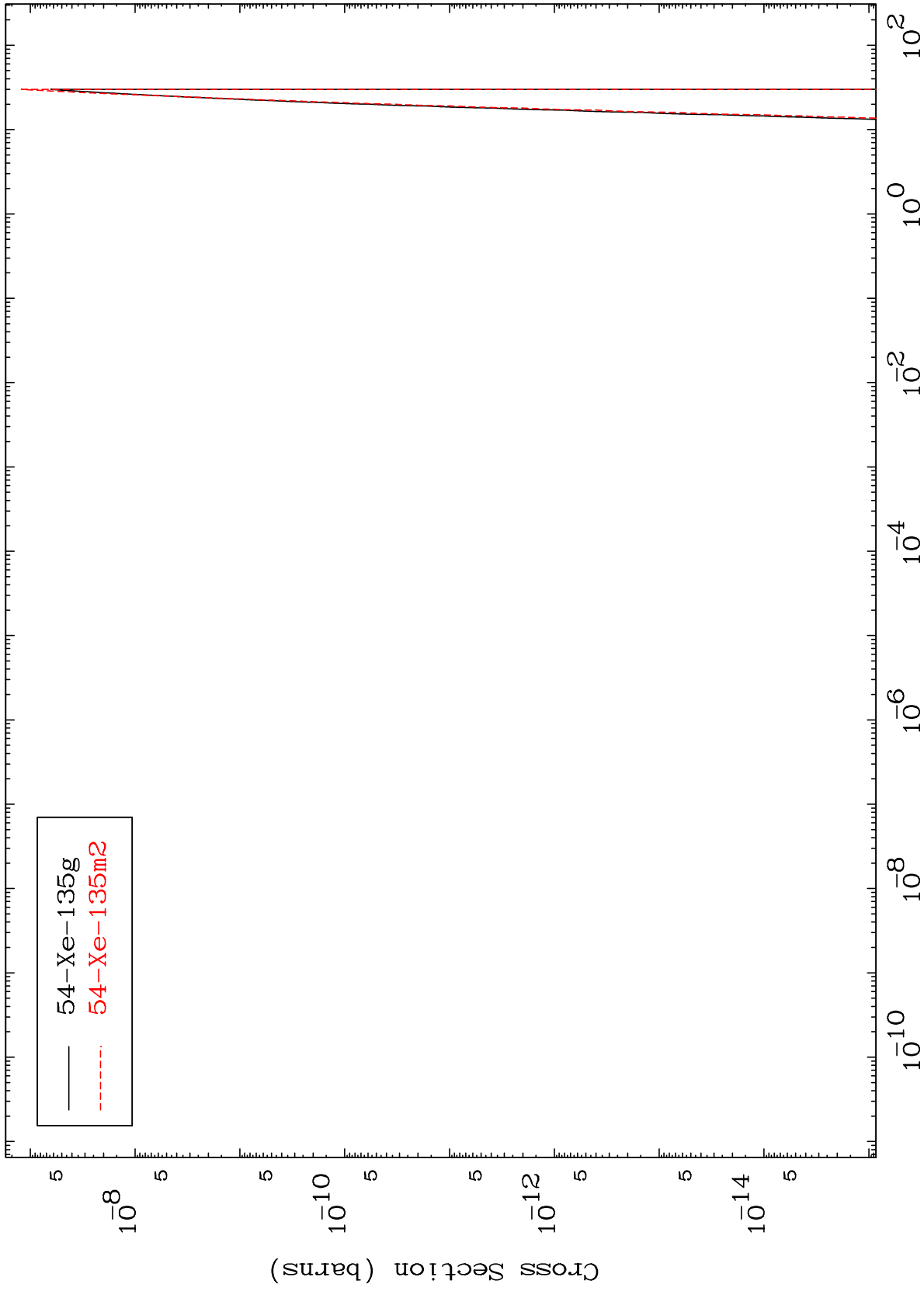
58-Ce-142

MAT 5843

(n,2α)

58-Ce-142

Radionuclide Production Cross Section



101

Incident Energy (MeV)

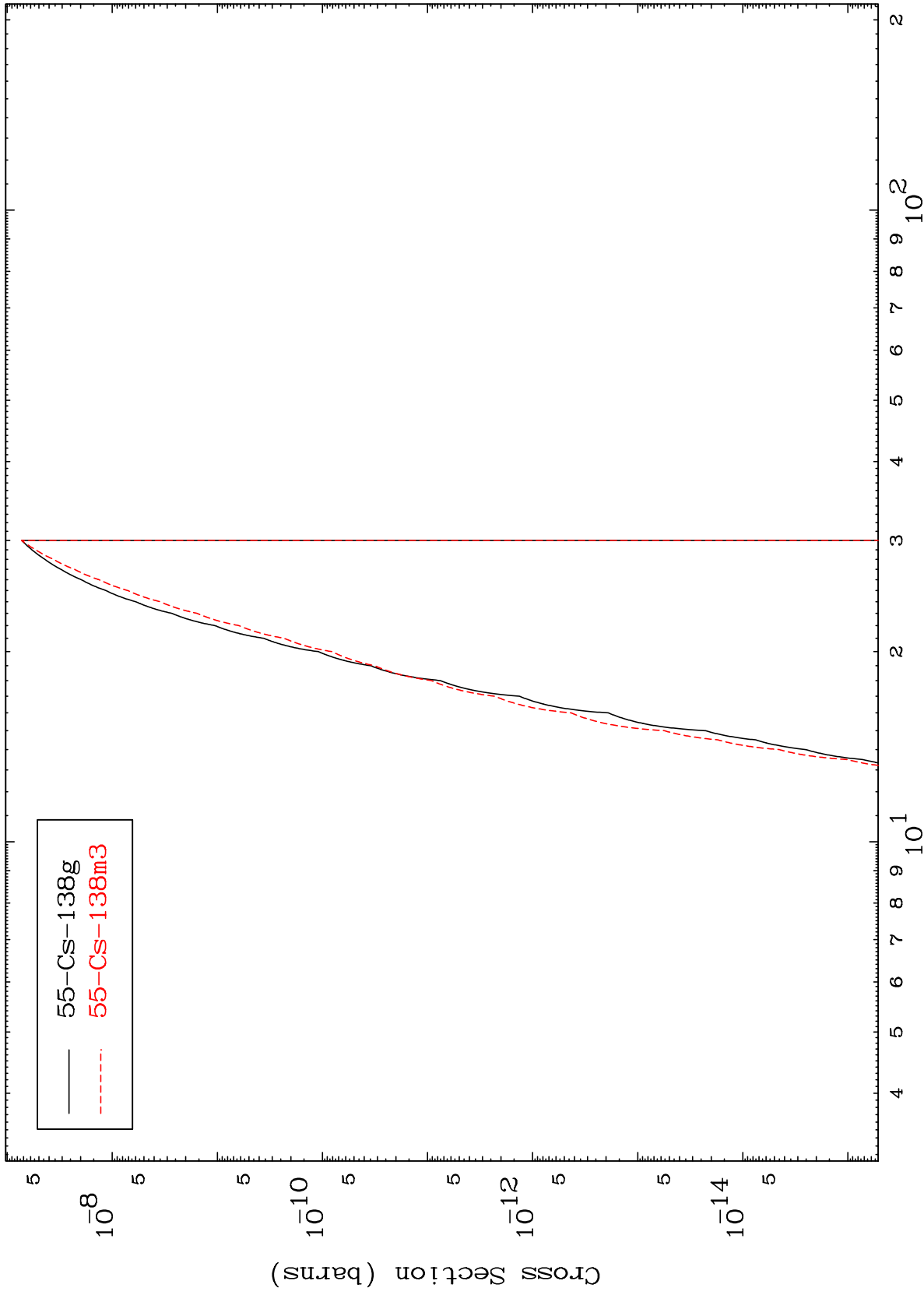
58-Ce-142

MAT 5843

(n,p) α

58-Ce-142

Radionuclide Production Cross Section



102

Incident Energy (MeV)

58-Ce-142