

Program EVALPLOT
(Version 2018-1)

by

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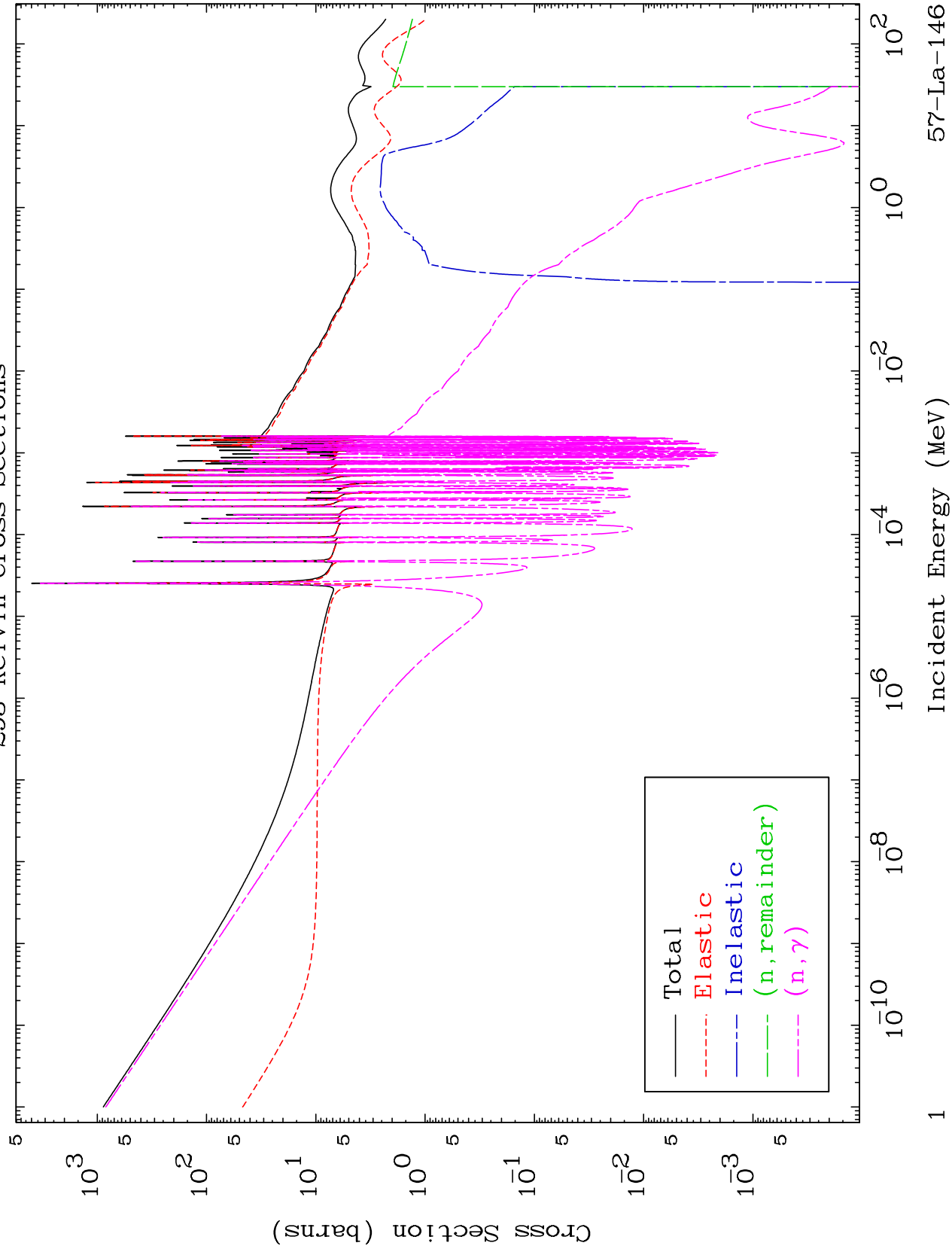
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5749

Major
293 Kelvin Cross Sections

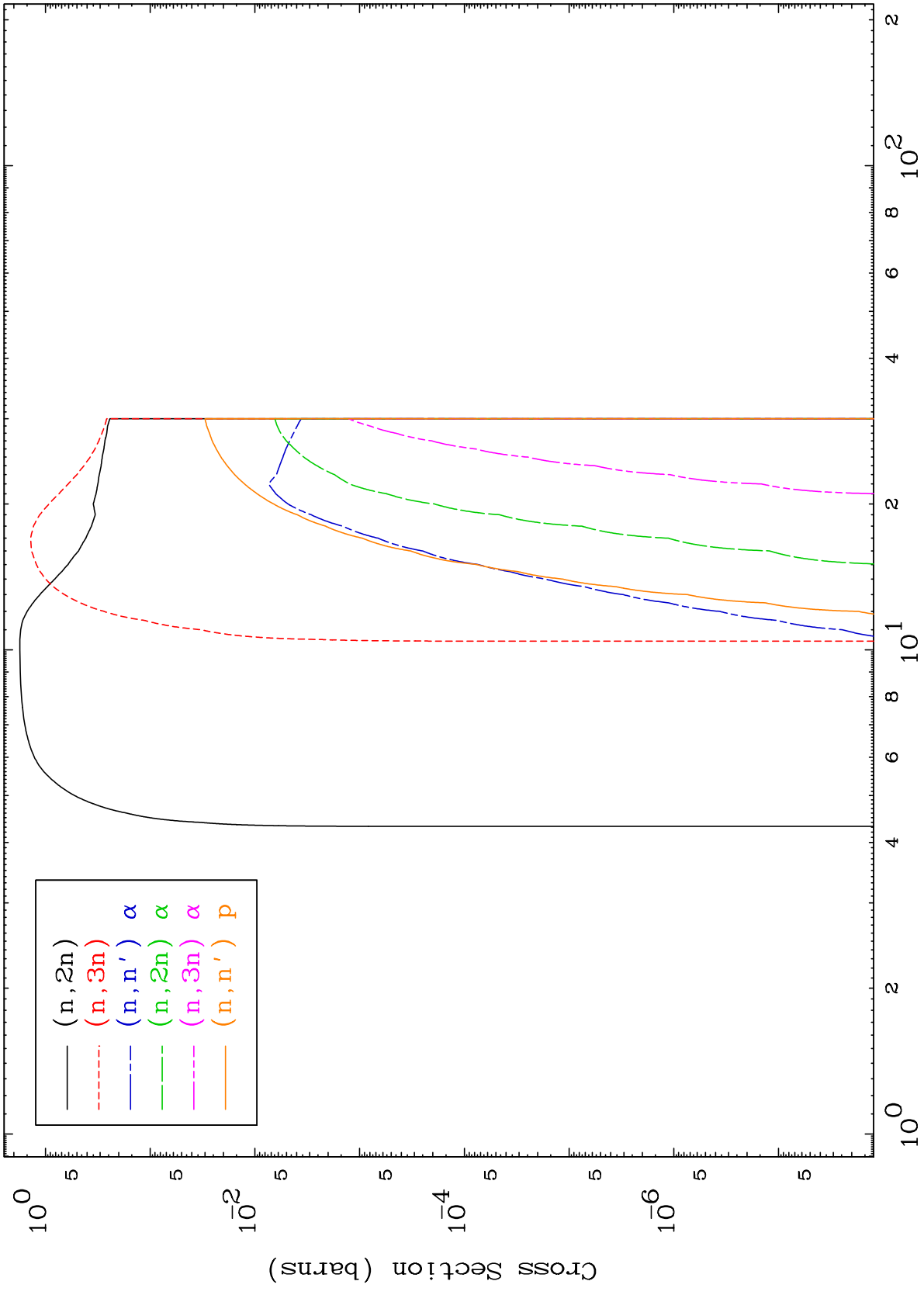
57-La-146



MAT 5749

Neutron Production 293 Kelvin Cross Sections

57-La-146

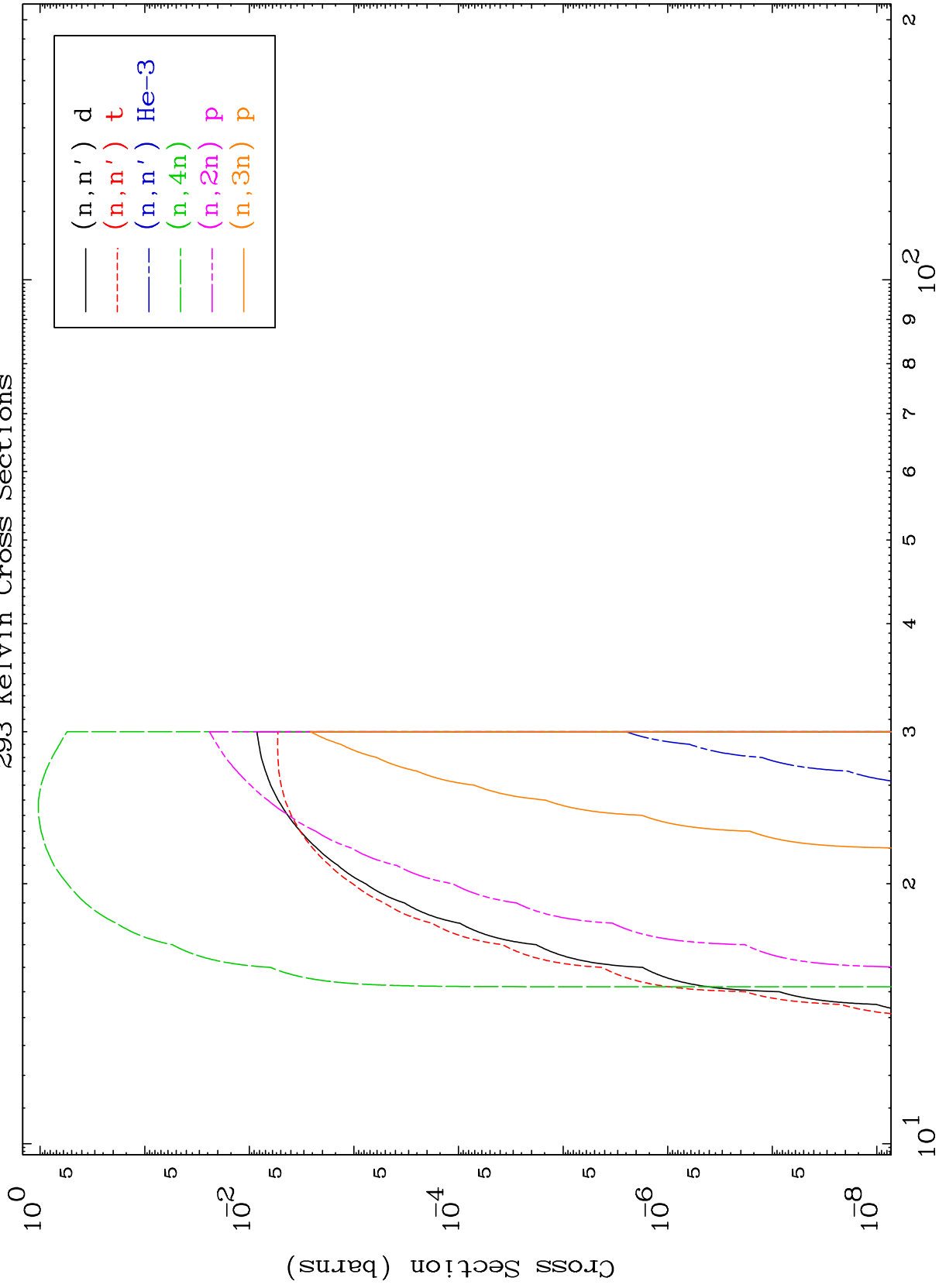


57-La-146

MAT 5749

Neutron Production
293 Kelvin Cross Sections

57-La-146



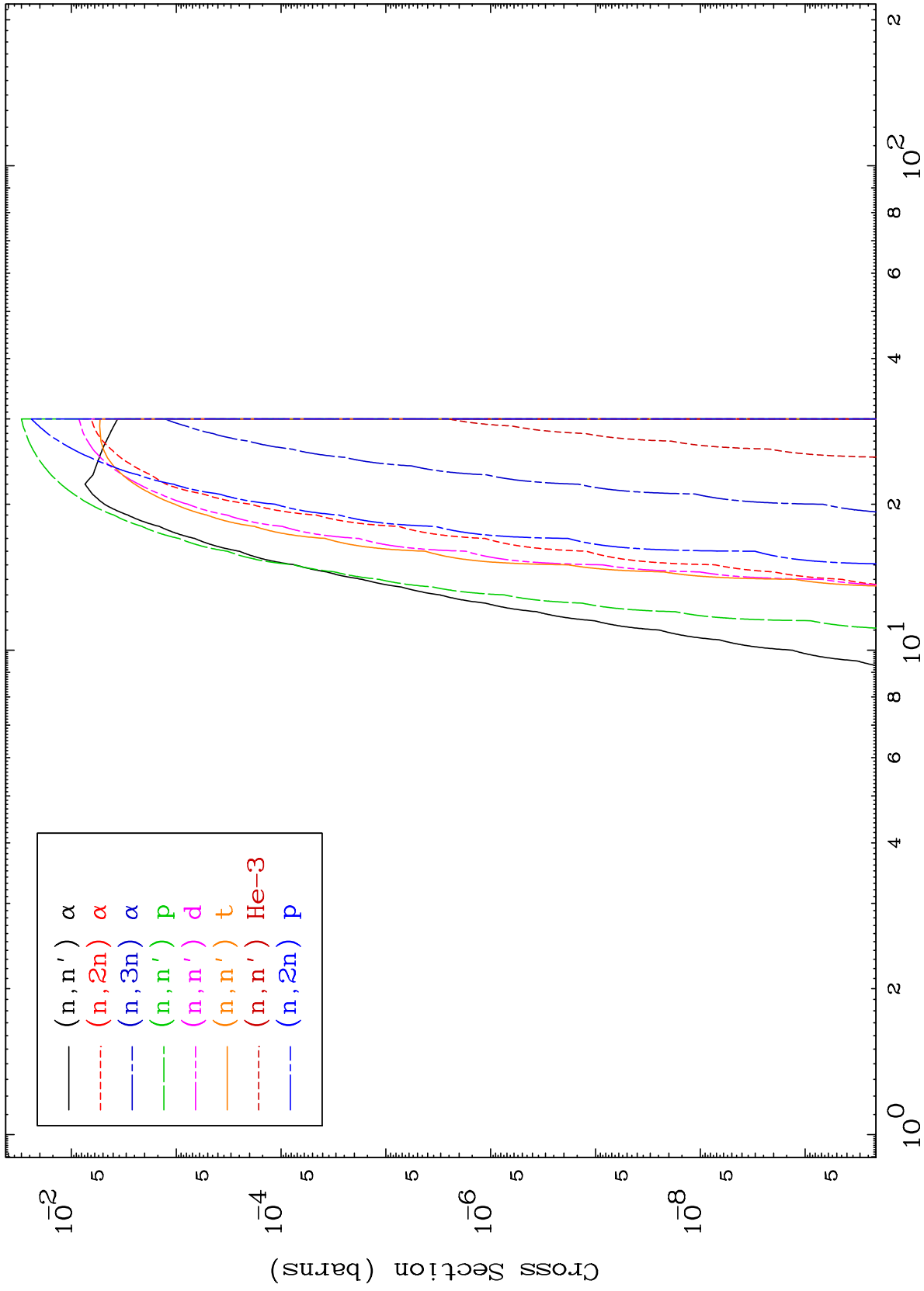
Incident Energy (MeV)

57-La-146

MAT 5749

293 Kelvin Cross Sections

57-La-146



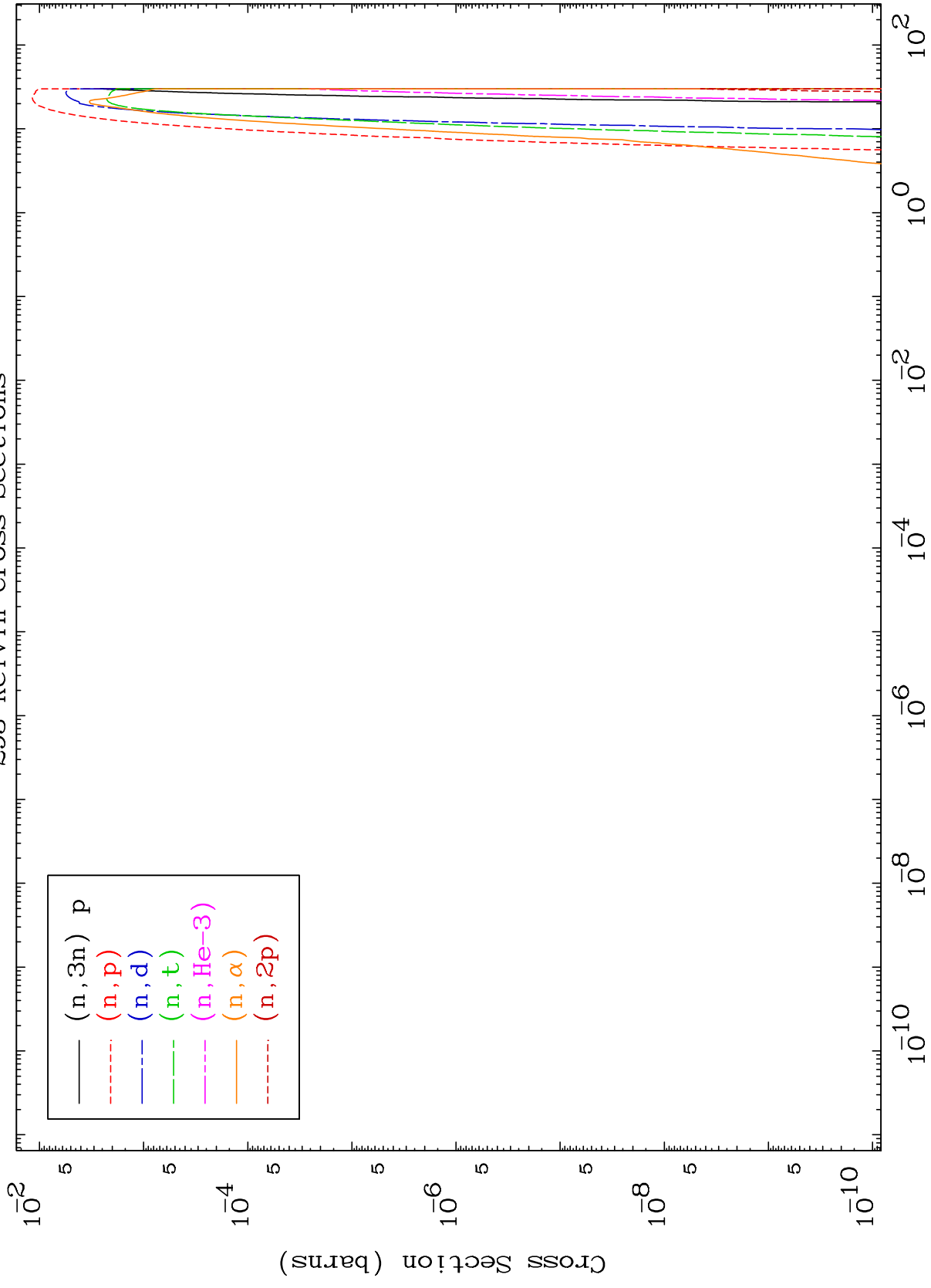
Incident Energy (MeV)

57-La-146

MAT 5749

Charged Particle
293 Kelvin Cross Sections

57-La-146

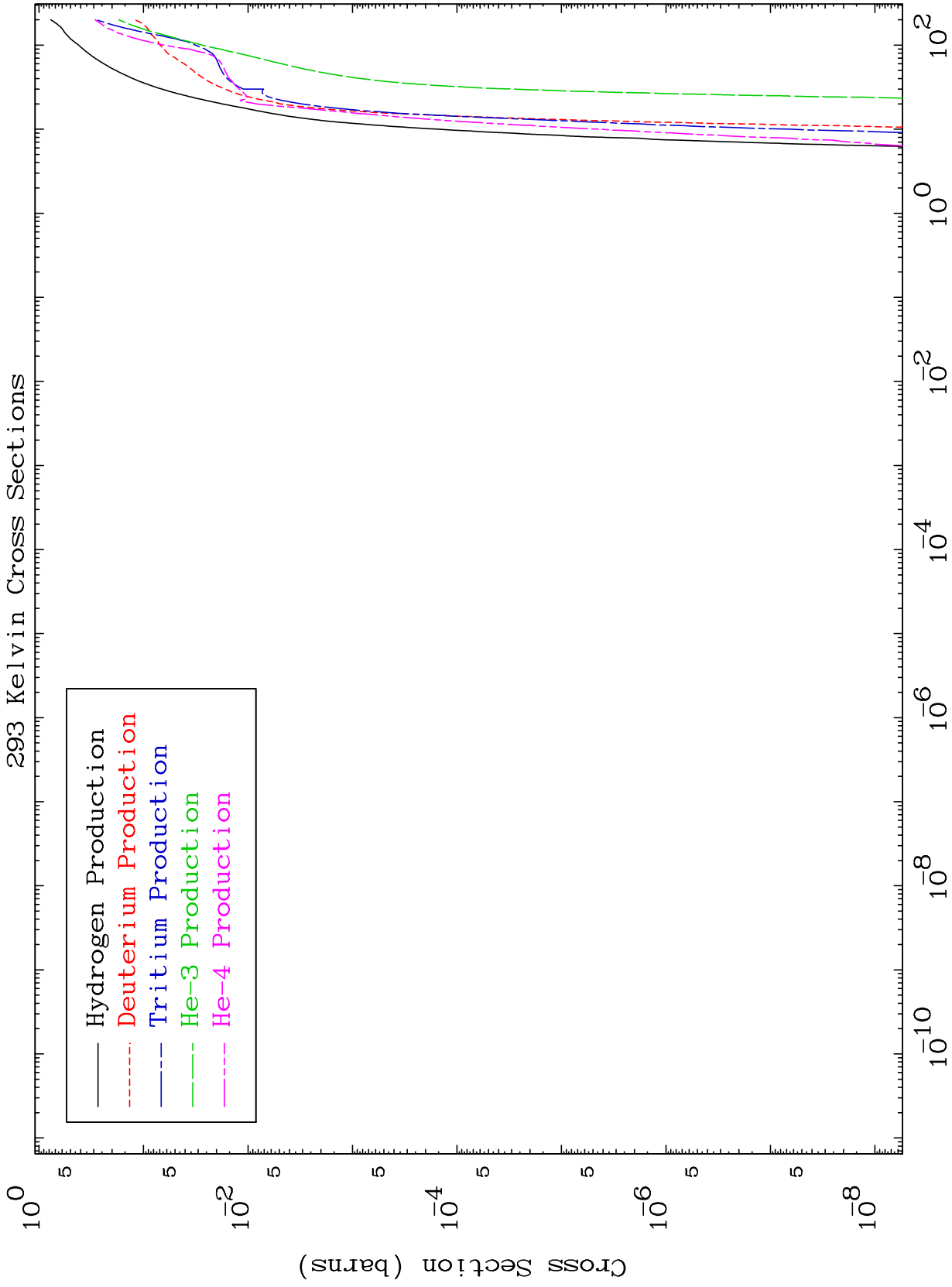


57-La-146

MAT 5749

Particle Production
293 Kelvin Cross Sections

57-La-146



6

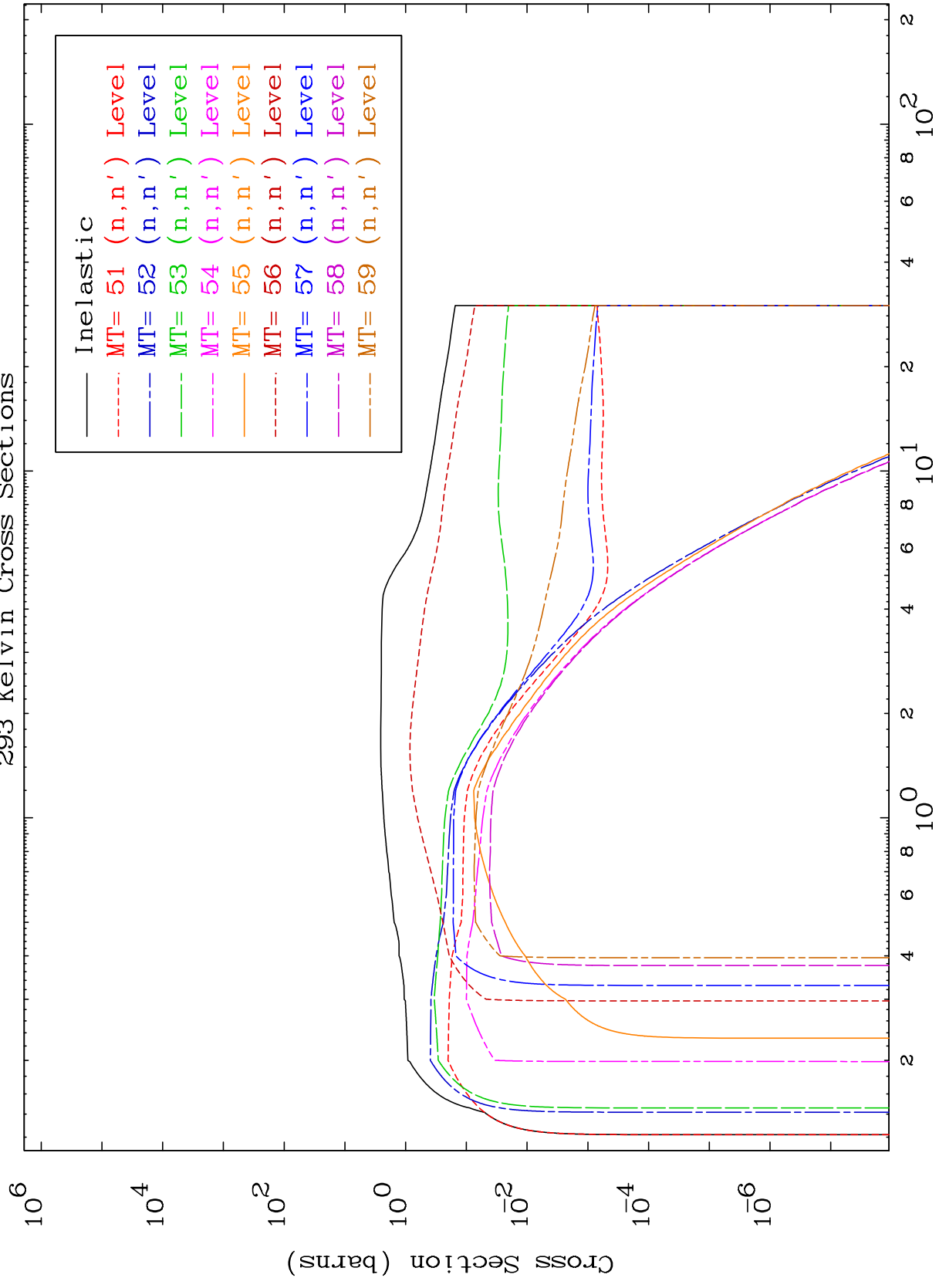
Incident Energy (MeV)

57-La-146

MAT 5749

(n,n') Level
293 Kelvin Cross Sections

57-La-146

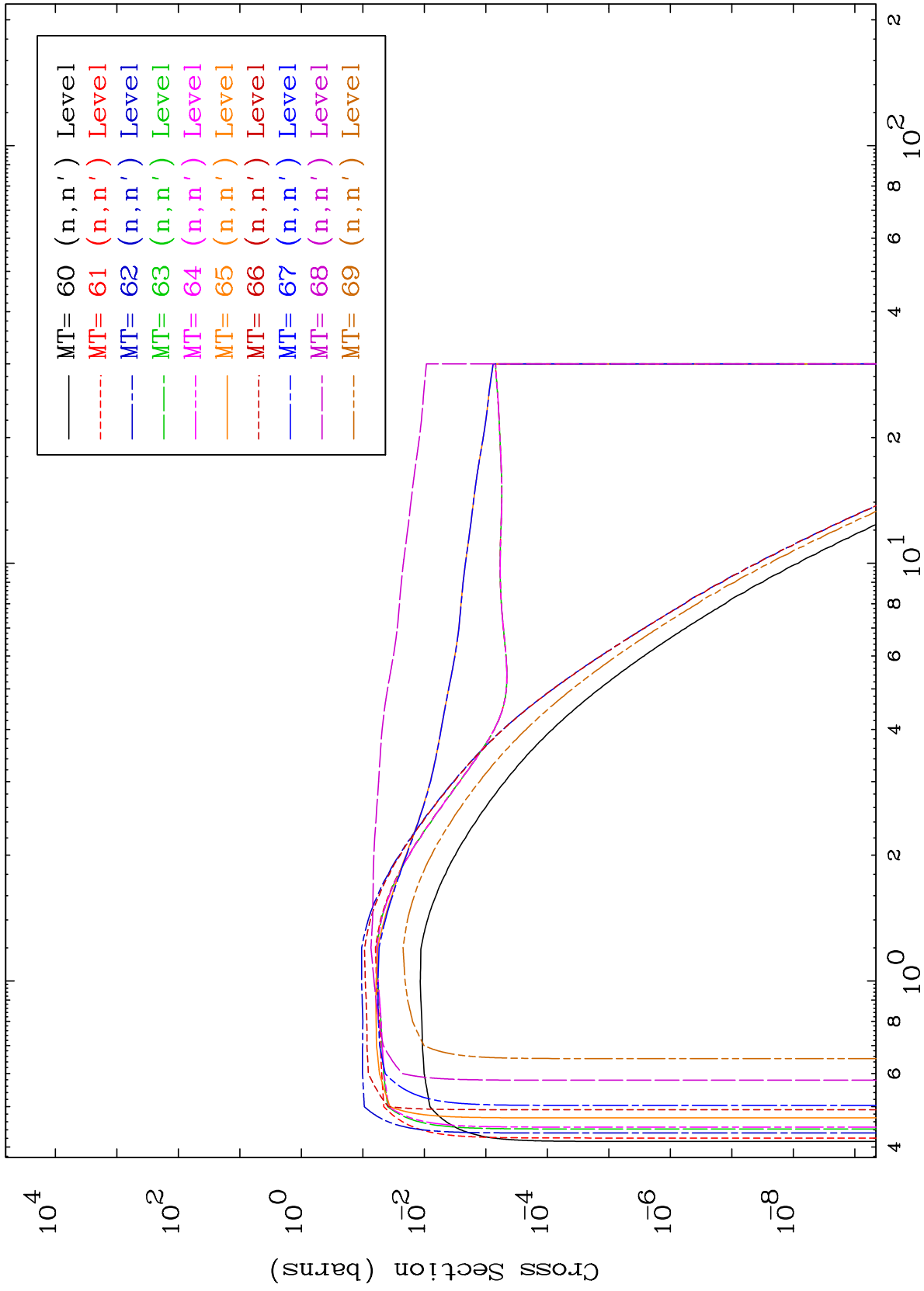


MAT 5749

(n,n') Level

57-La-146

293 Kelvin Cross Sections



8

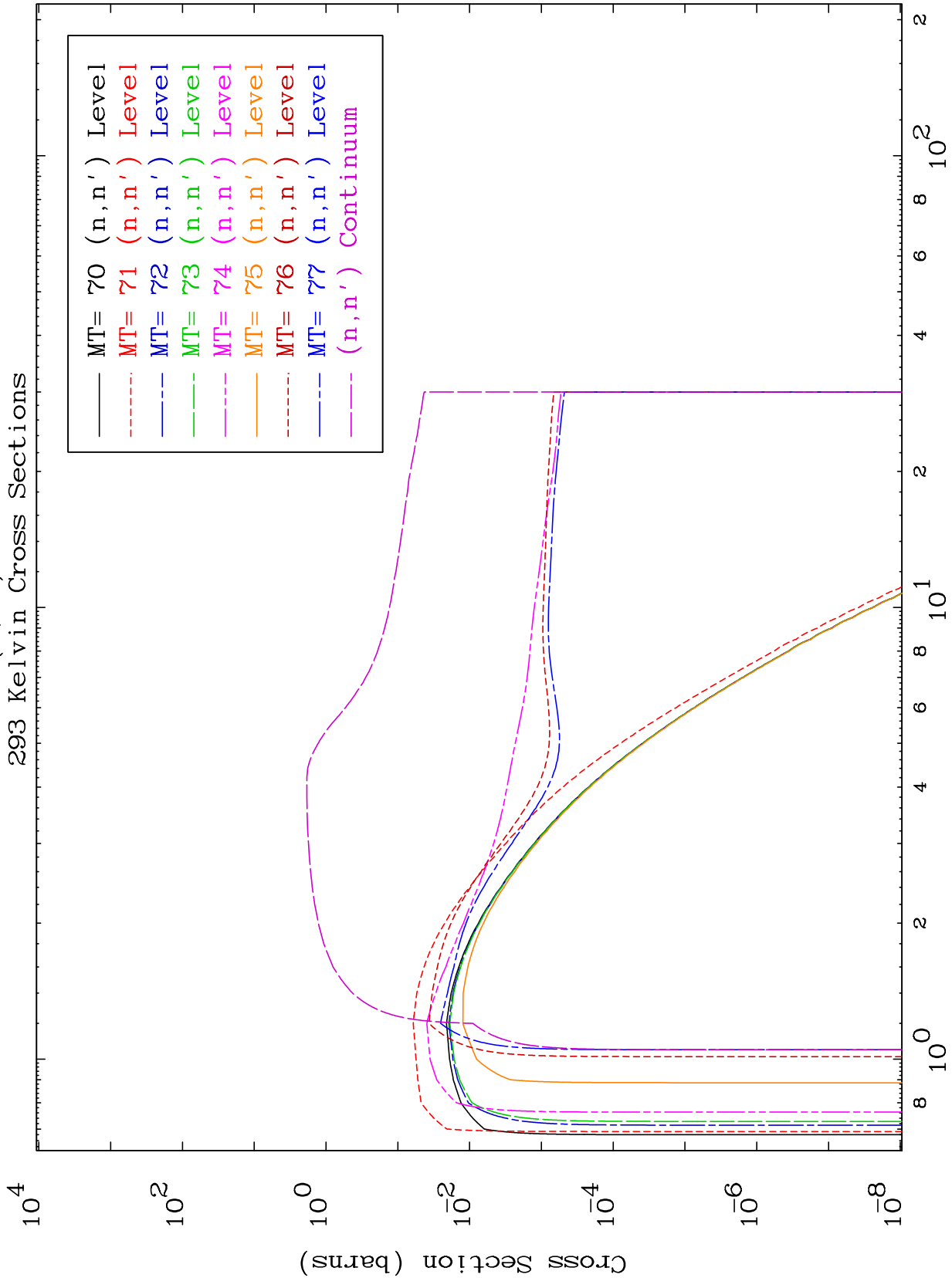
Incident Energy (MeV)

57-La-146

MAT 5749

(n,n') Level
293 Kelvin Cross Sections

57-La-146



9

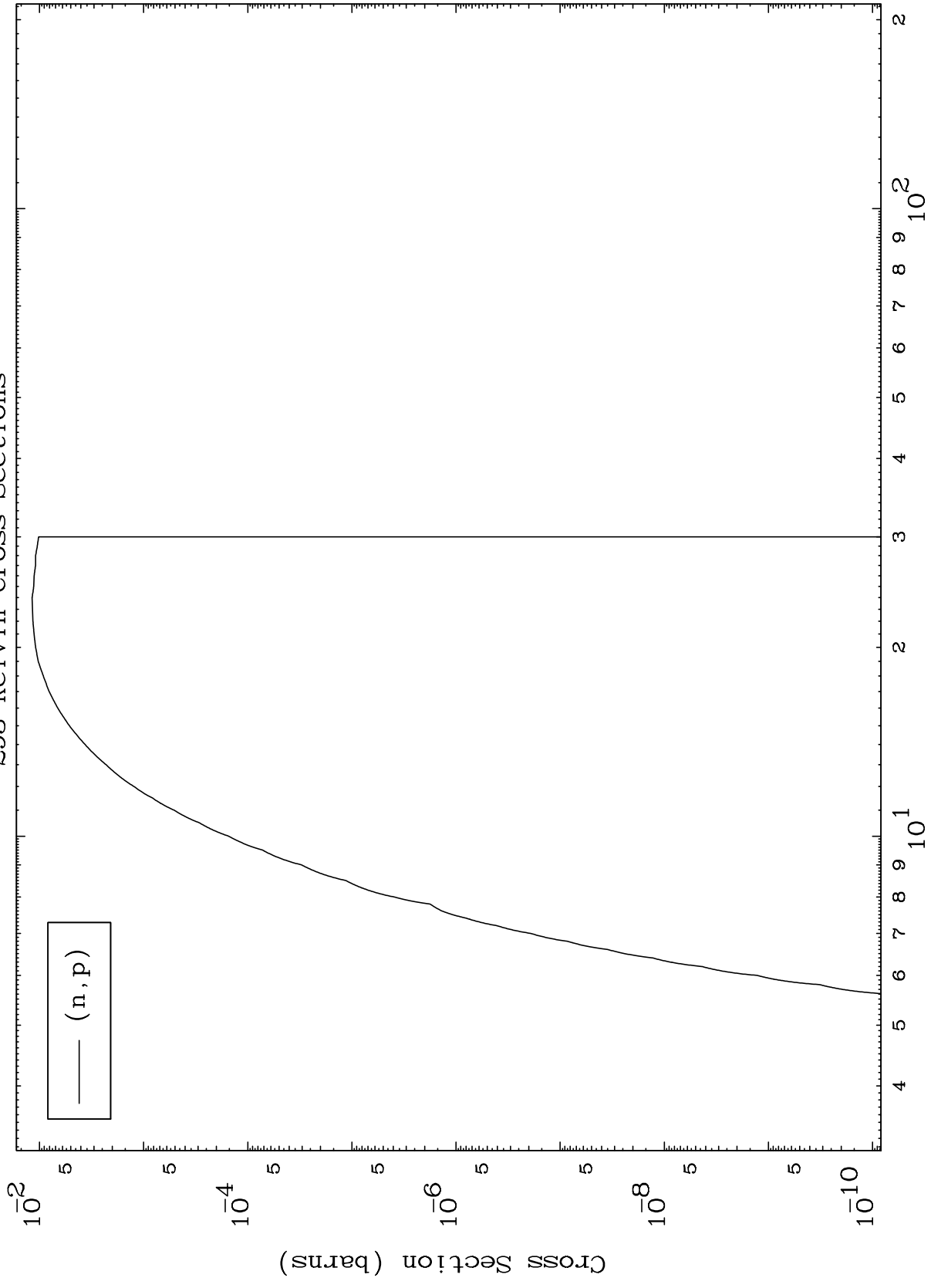
Incident Energy (MeV)

57-La-146

MAT 5749

(n,p) Levels
293 Kelvin Cross Sections

57-La-146



(n,p)

10

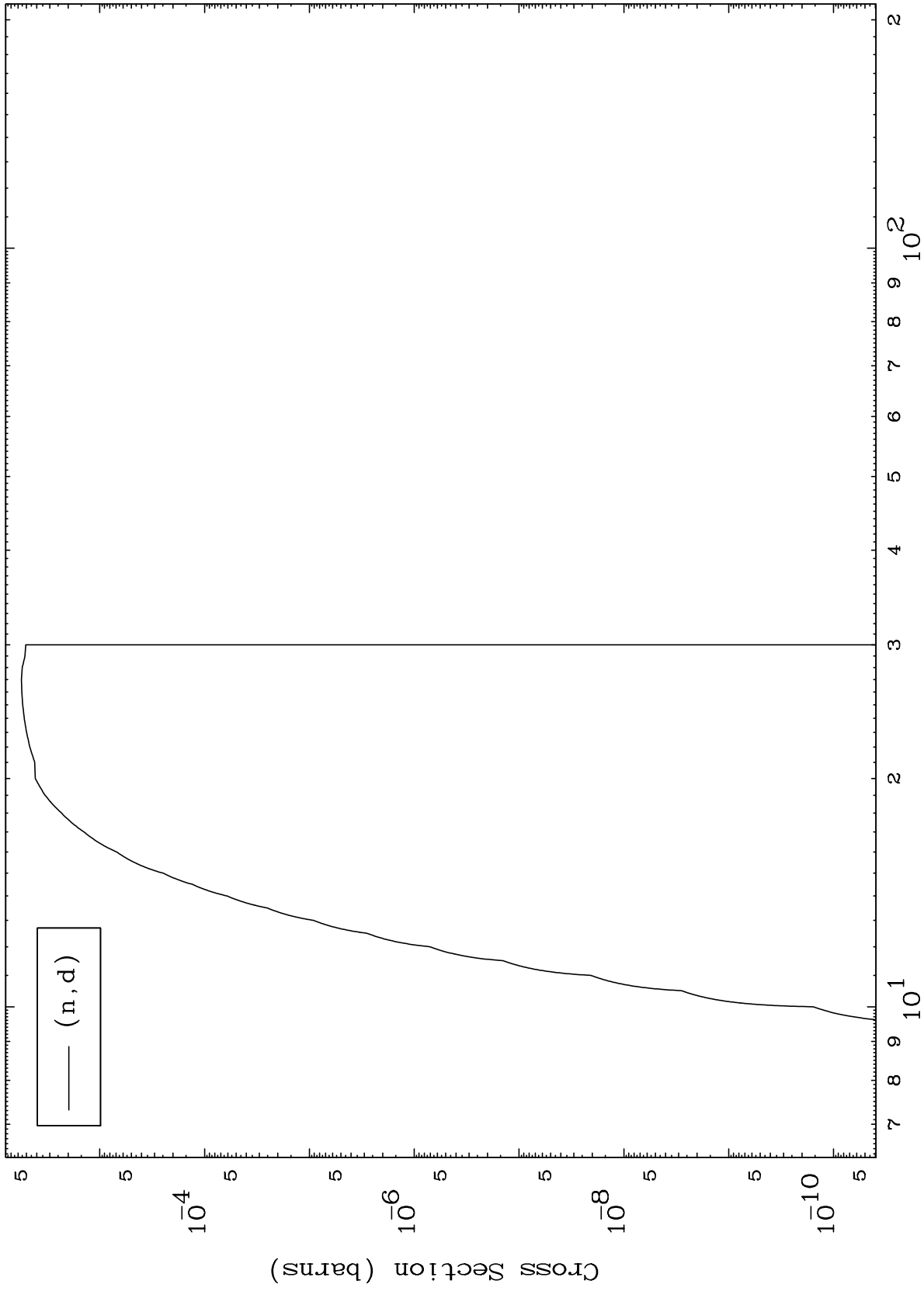
Incident Energy (MeV)

57-La-146

MAT 5749

(n,d) Levels
293 Kelvin Cross Sections

57-La-146



11

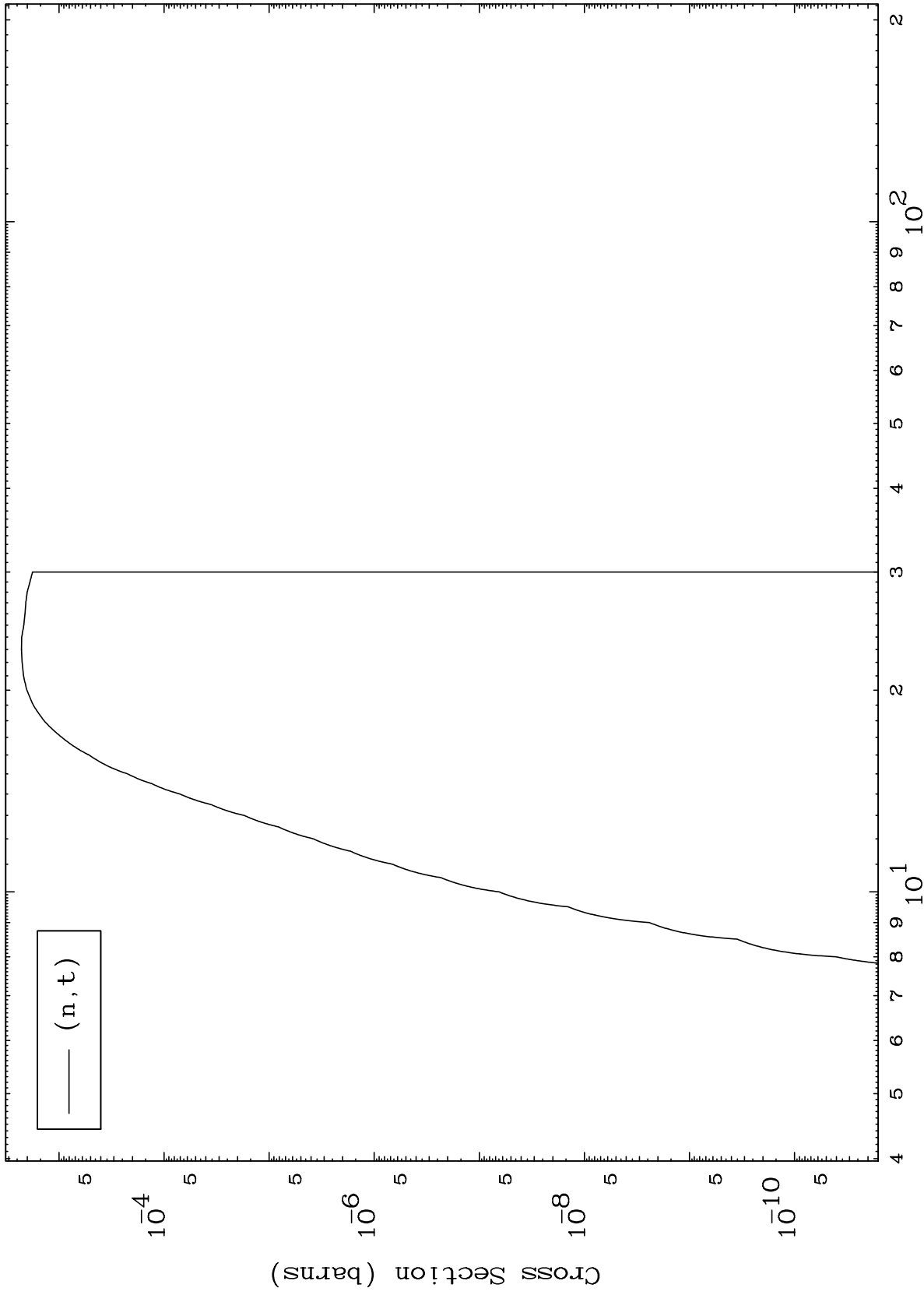
Incident Energy (MeV)

57-La-146

MAT 5749

(n,t) Levels
293 Kelvin Cross Sections

57-La-146



12

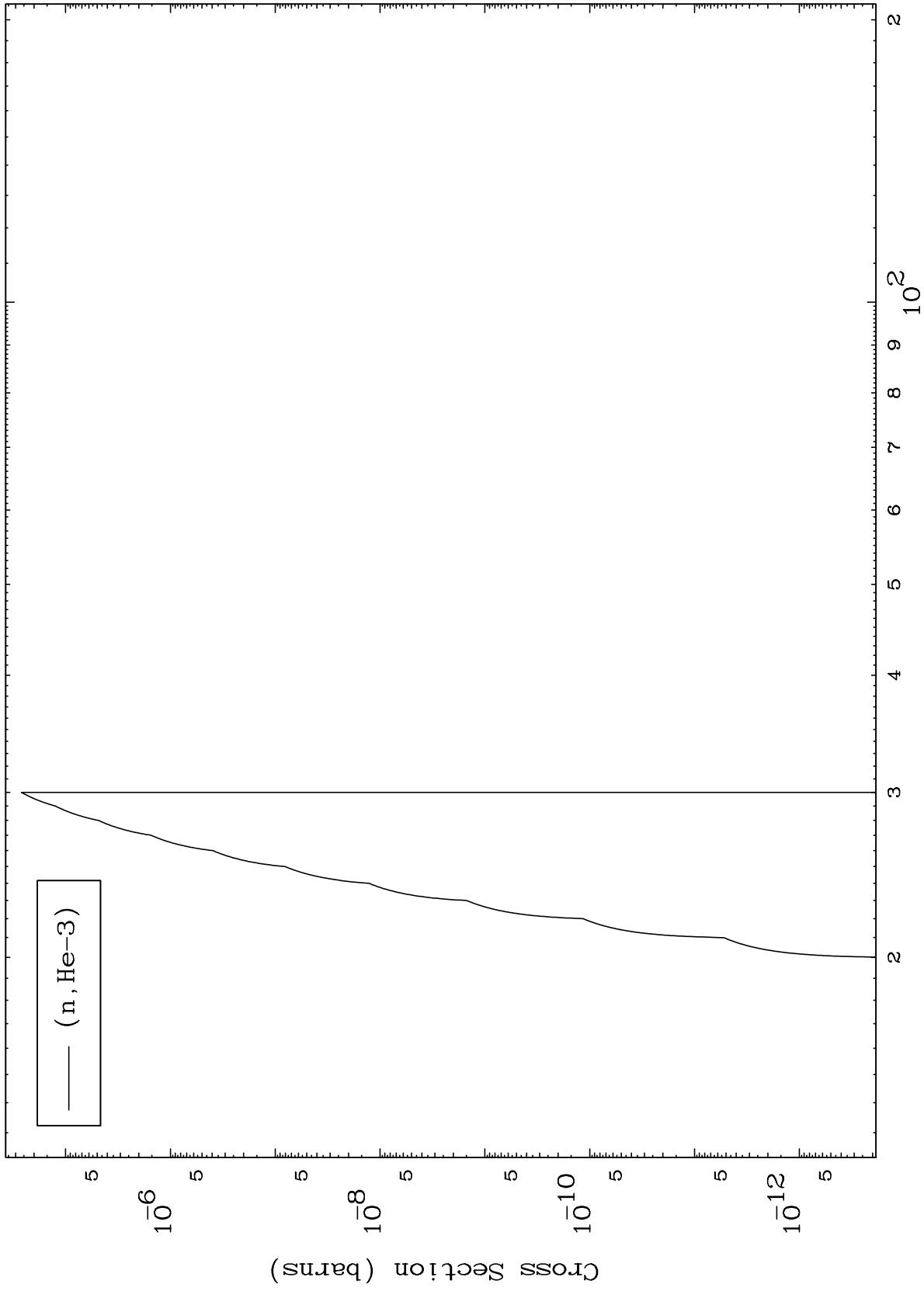
Incident Energy (MeV)

57-La-146

MAT 5749

(n,He3) Levels
293 Kelvin Cross Sections

57-La-146



13

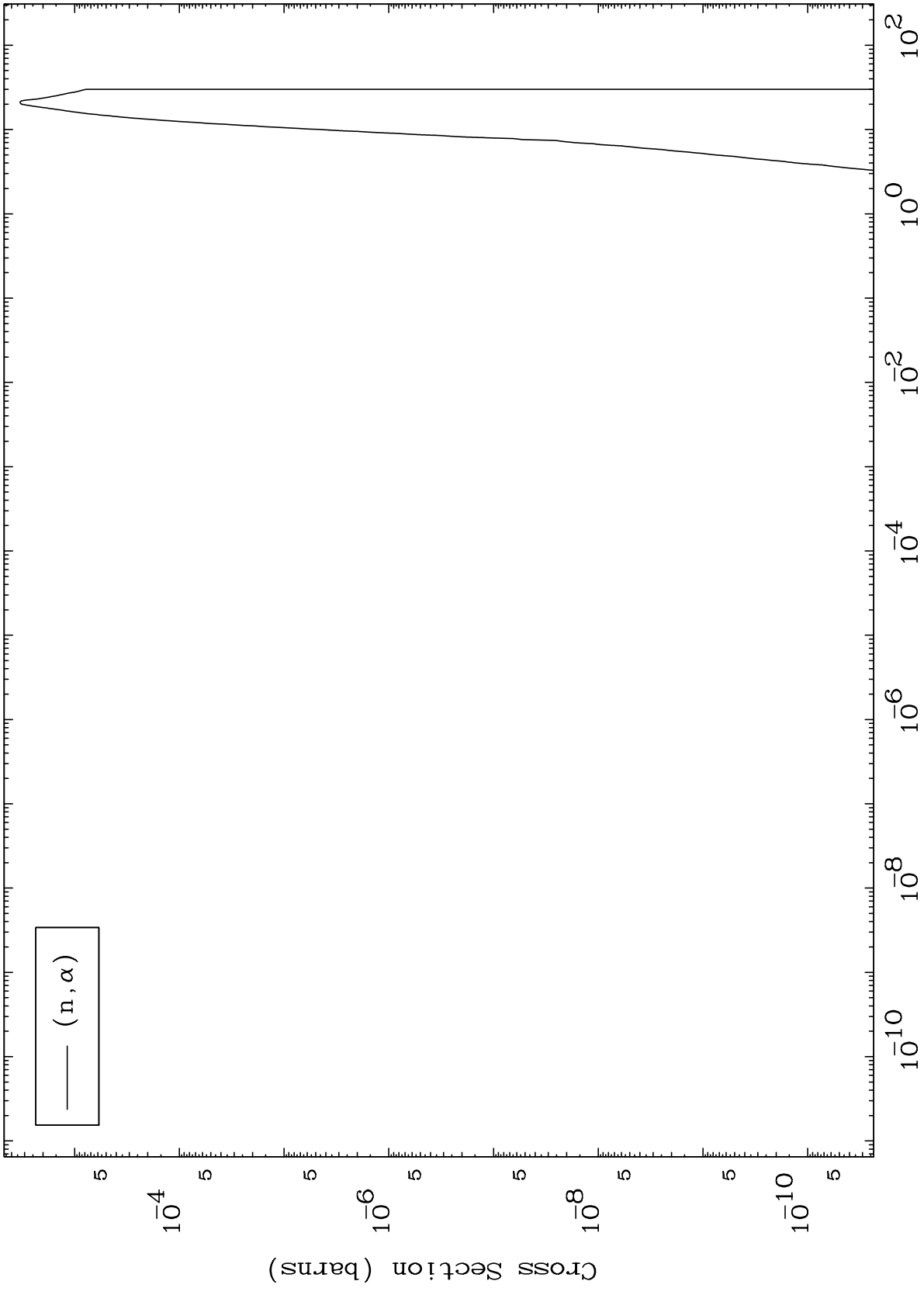
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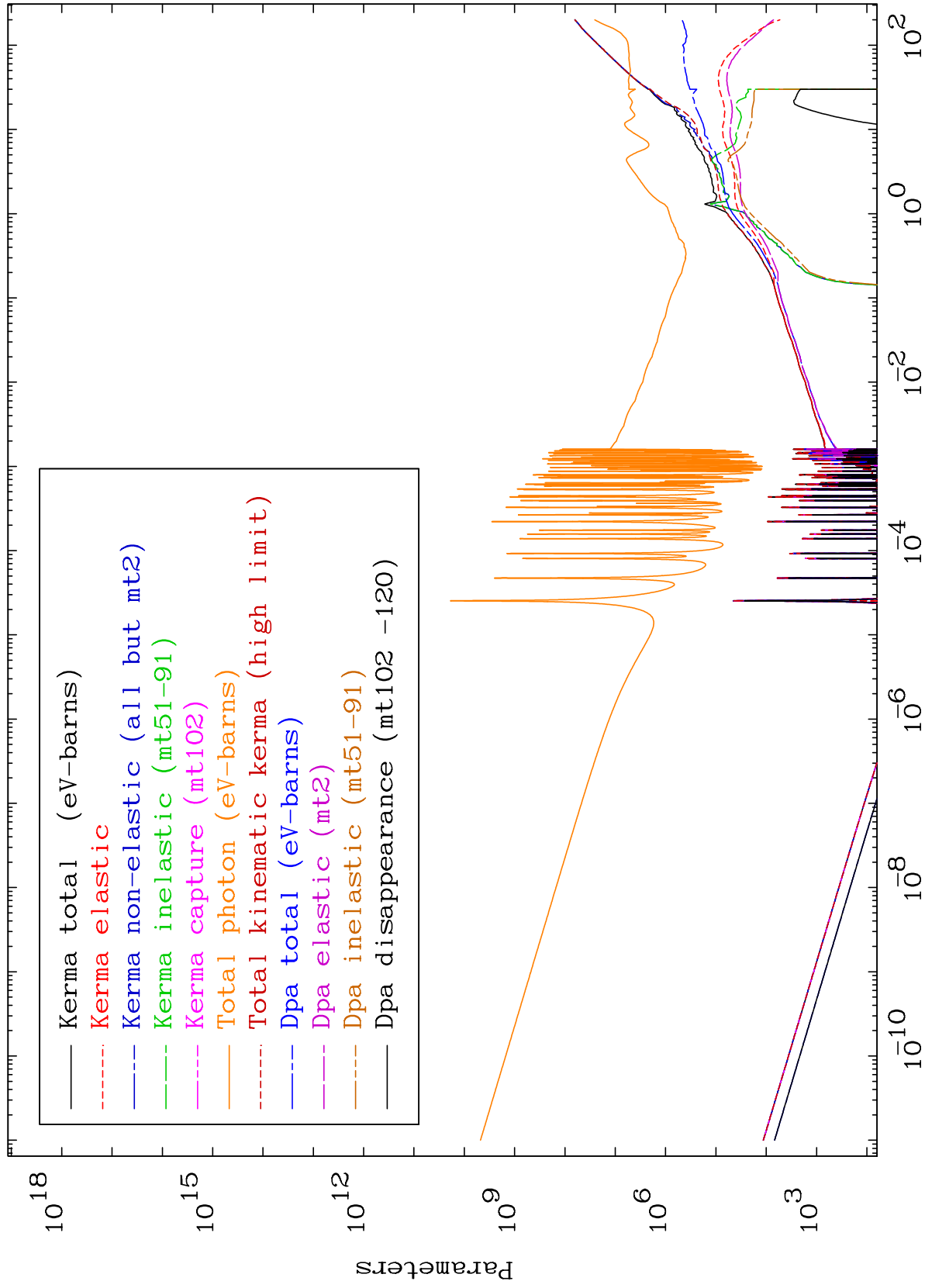
57-La-146

MAT 5749

(n,α) Levels
293 Kelvin Cross Sections

57-La-146

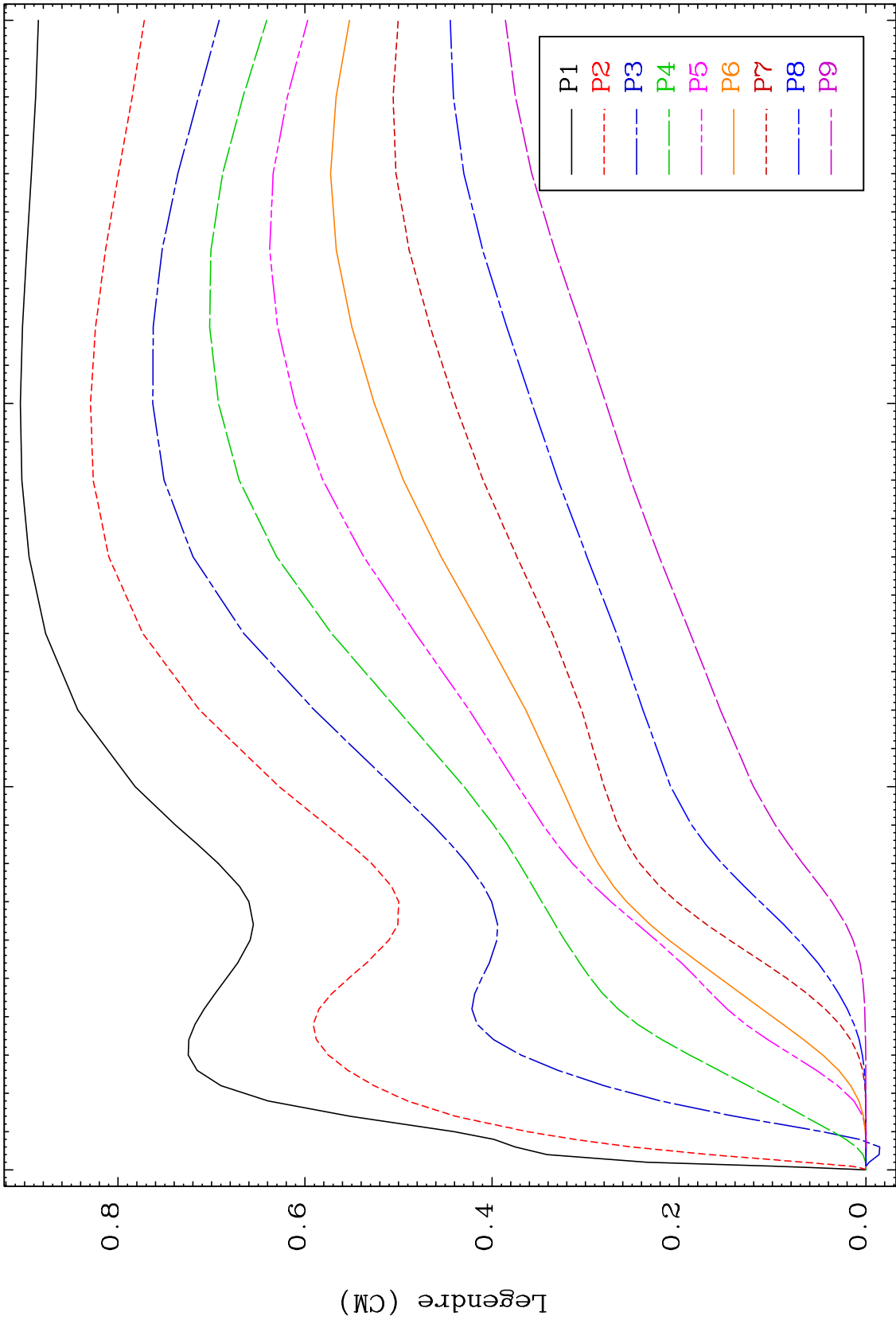




MAT 5749

Elastic Legendre Coefficients

57-La-146



16

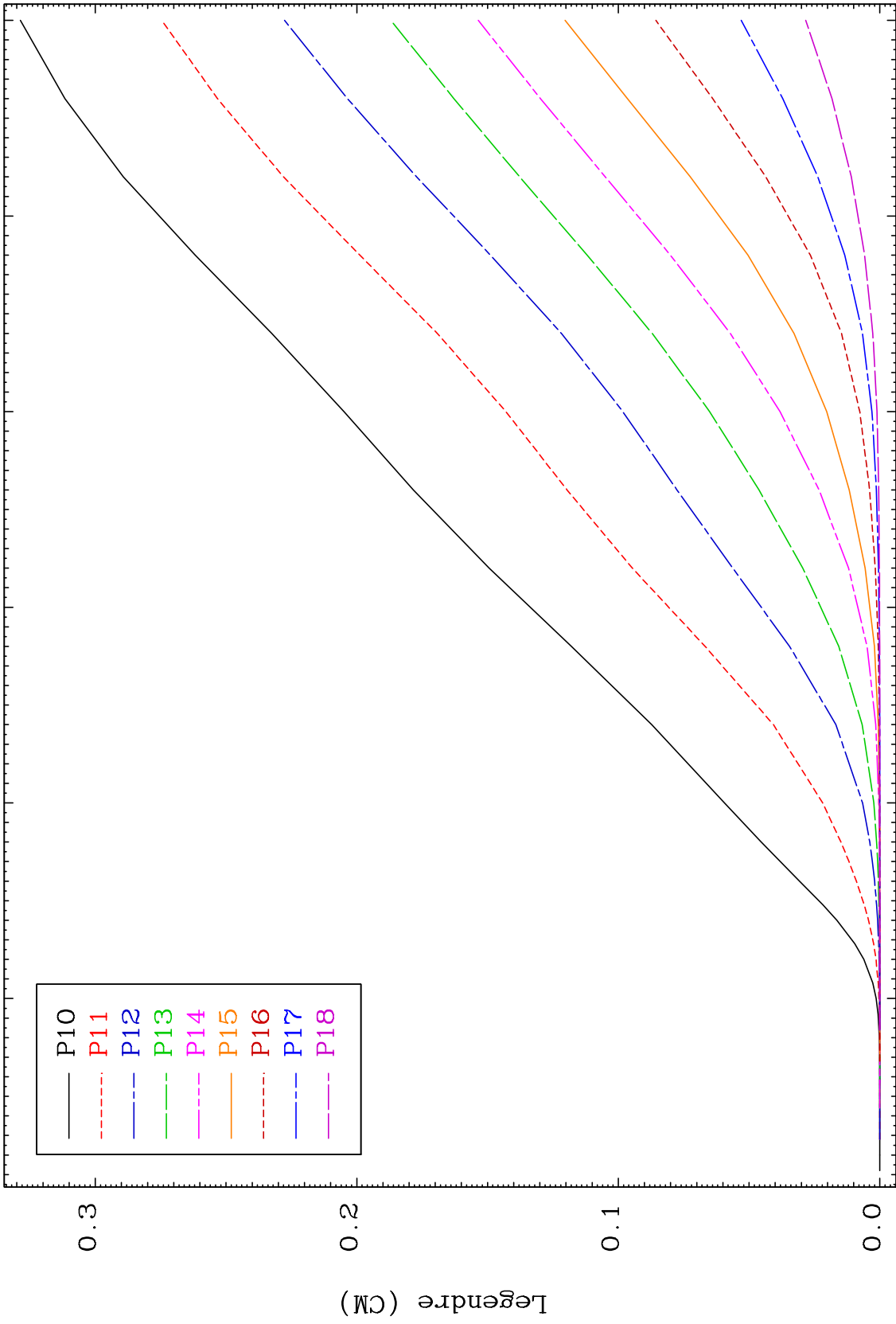
Incident Energy (MeV)

57-La-146

MAT 5749

Elastic Legendre Coefficients

⁵⁷La-146



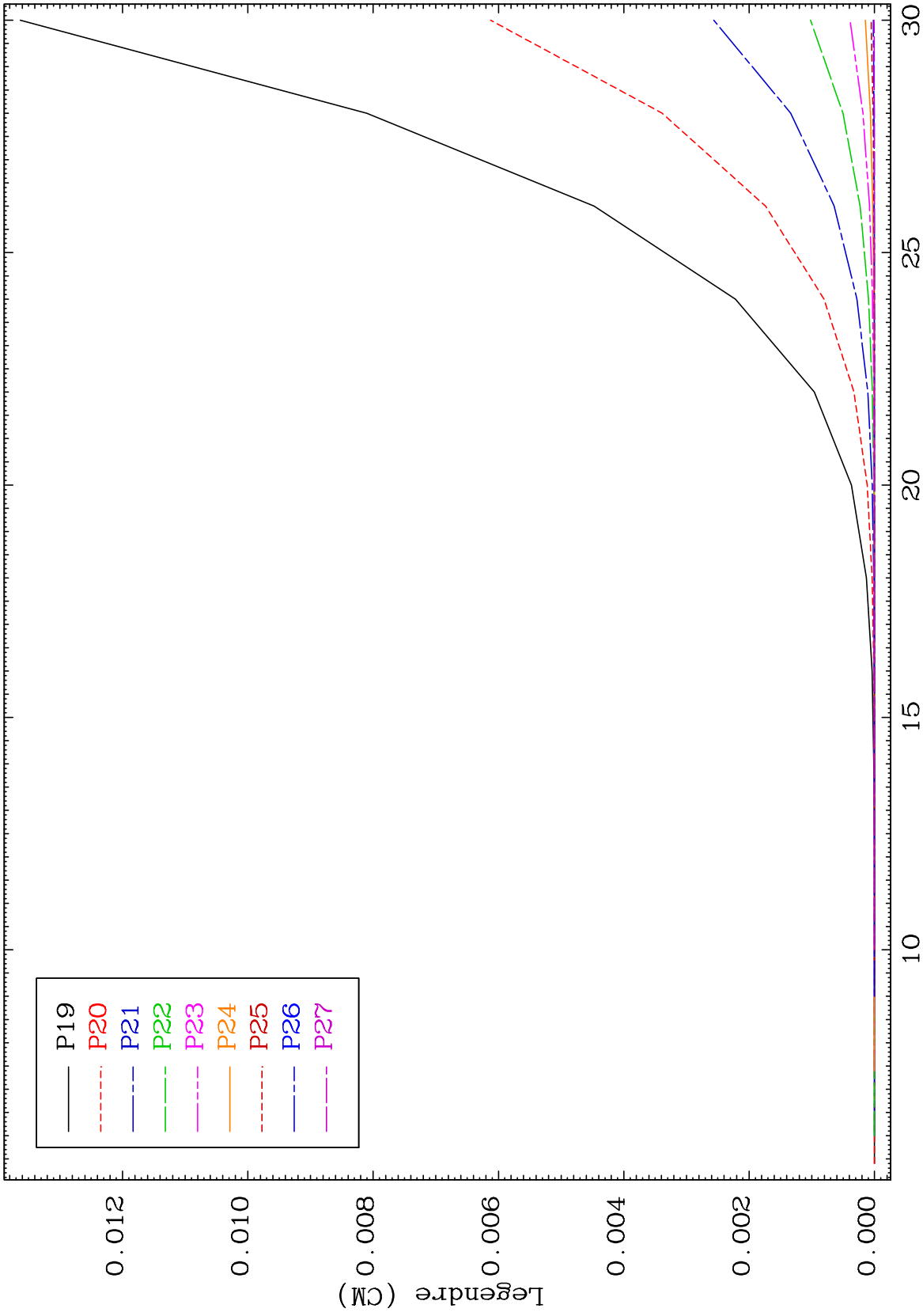
17

⁵⁷La-146

MAT 5749

Elastic Legendre Coefficients

57-La-146



18

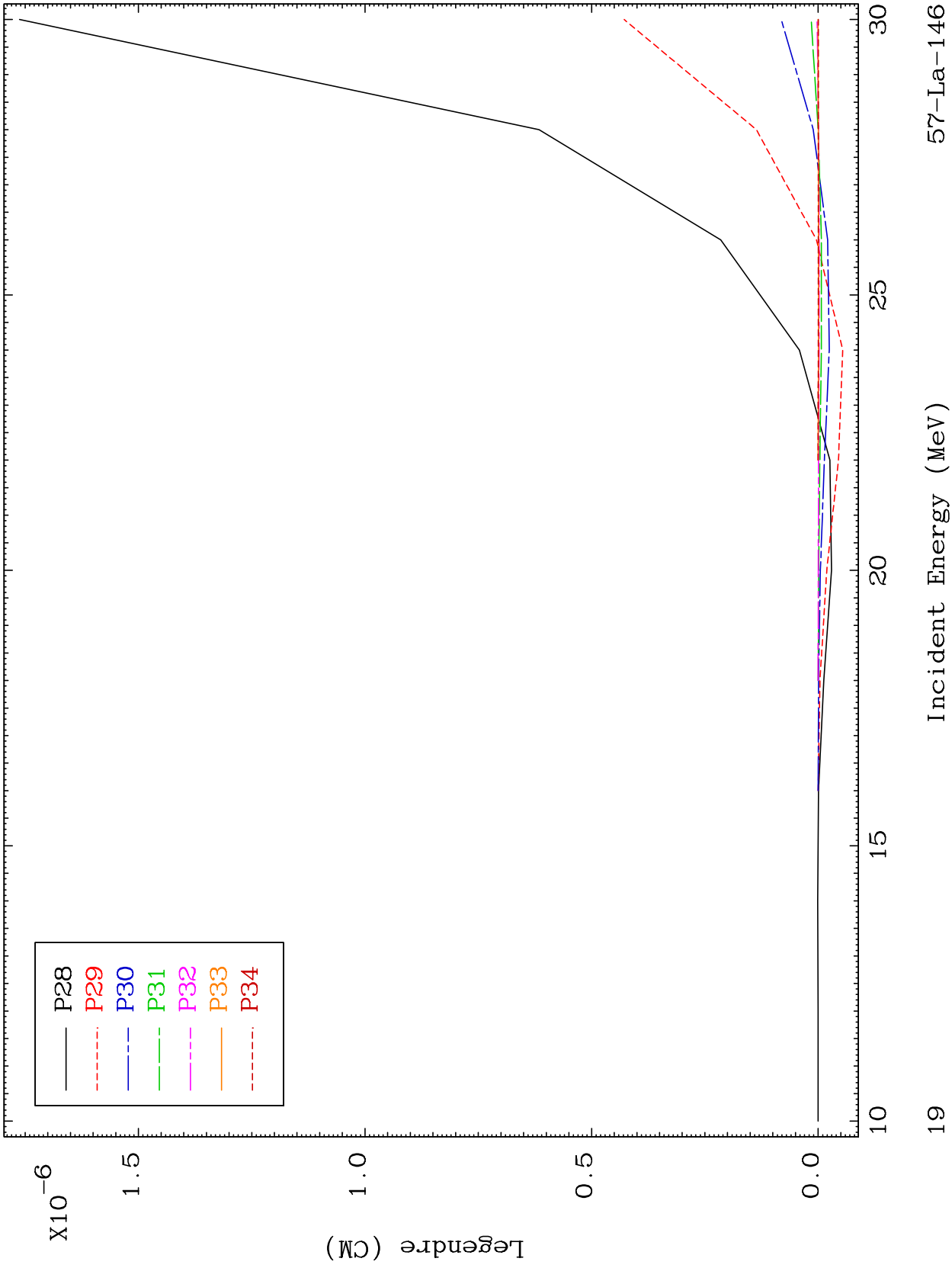
Incident Energy (MeV)

57-La-146

MAT 5749

Elastic Legendre Coefficients

57-La-146



19

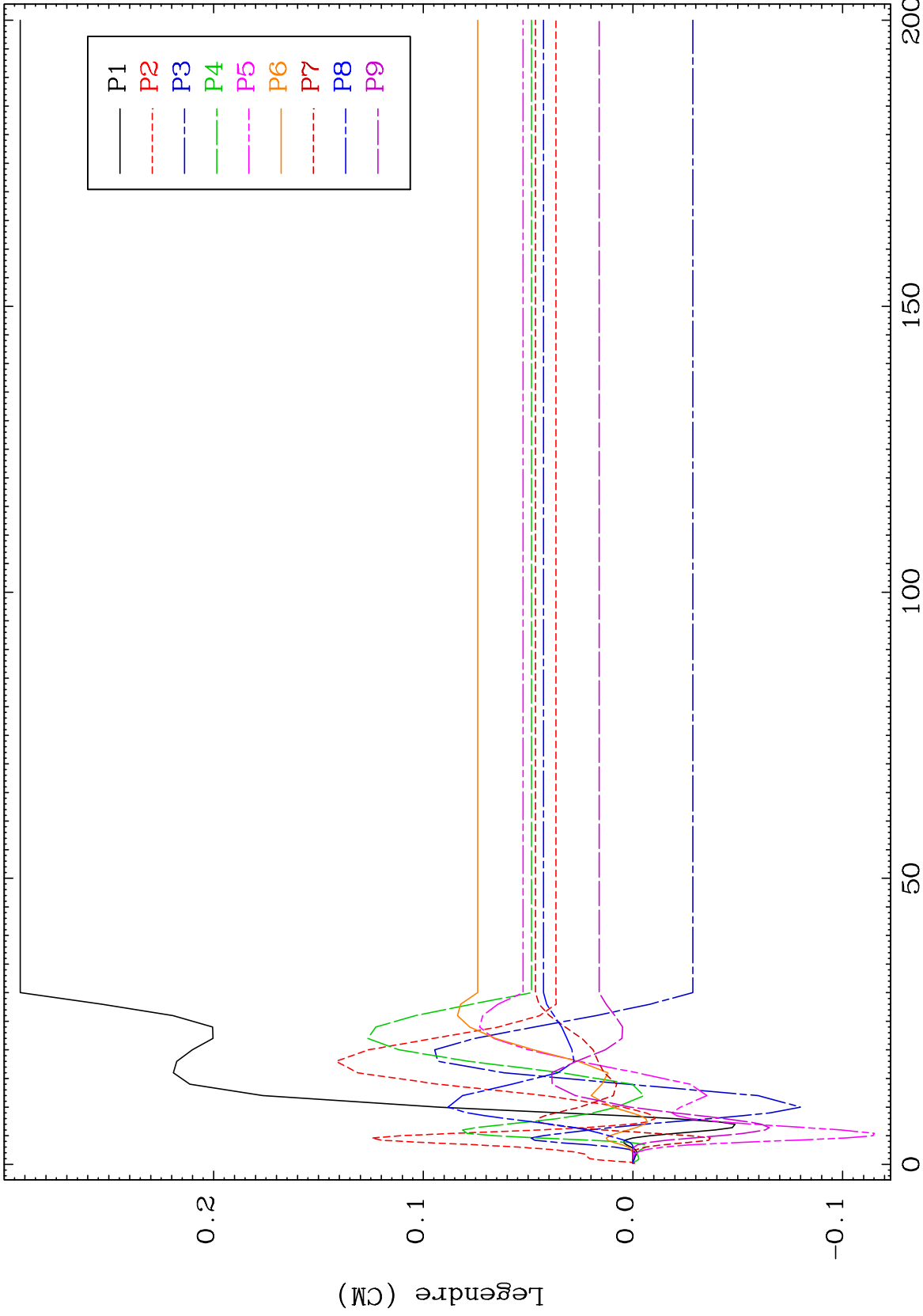
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



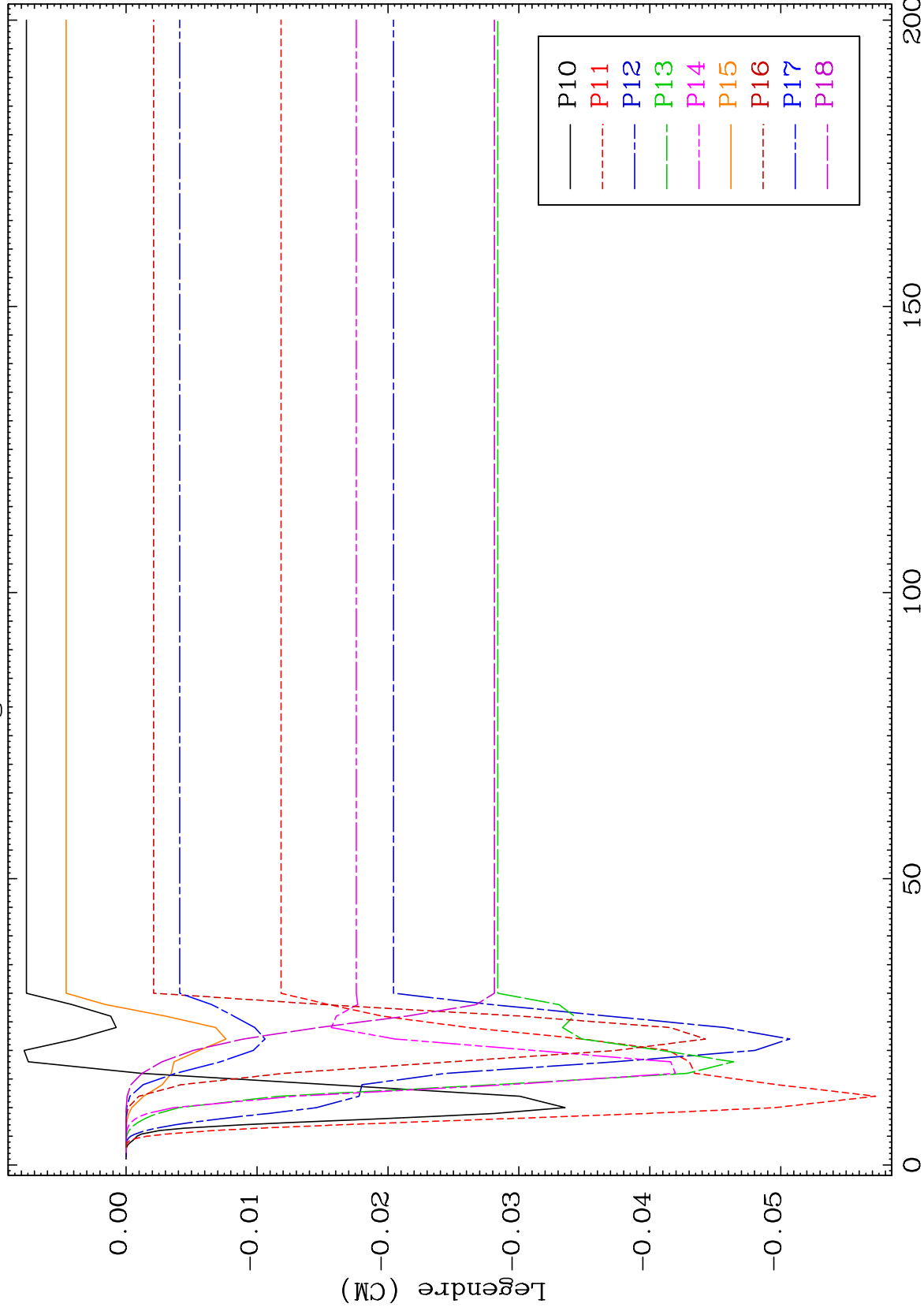
57-La-146

Incident Energy (MeV)

MAT 5749

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

57-La-146



21

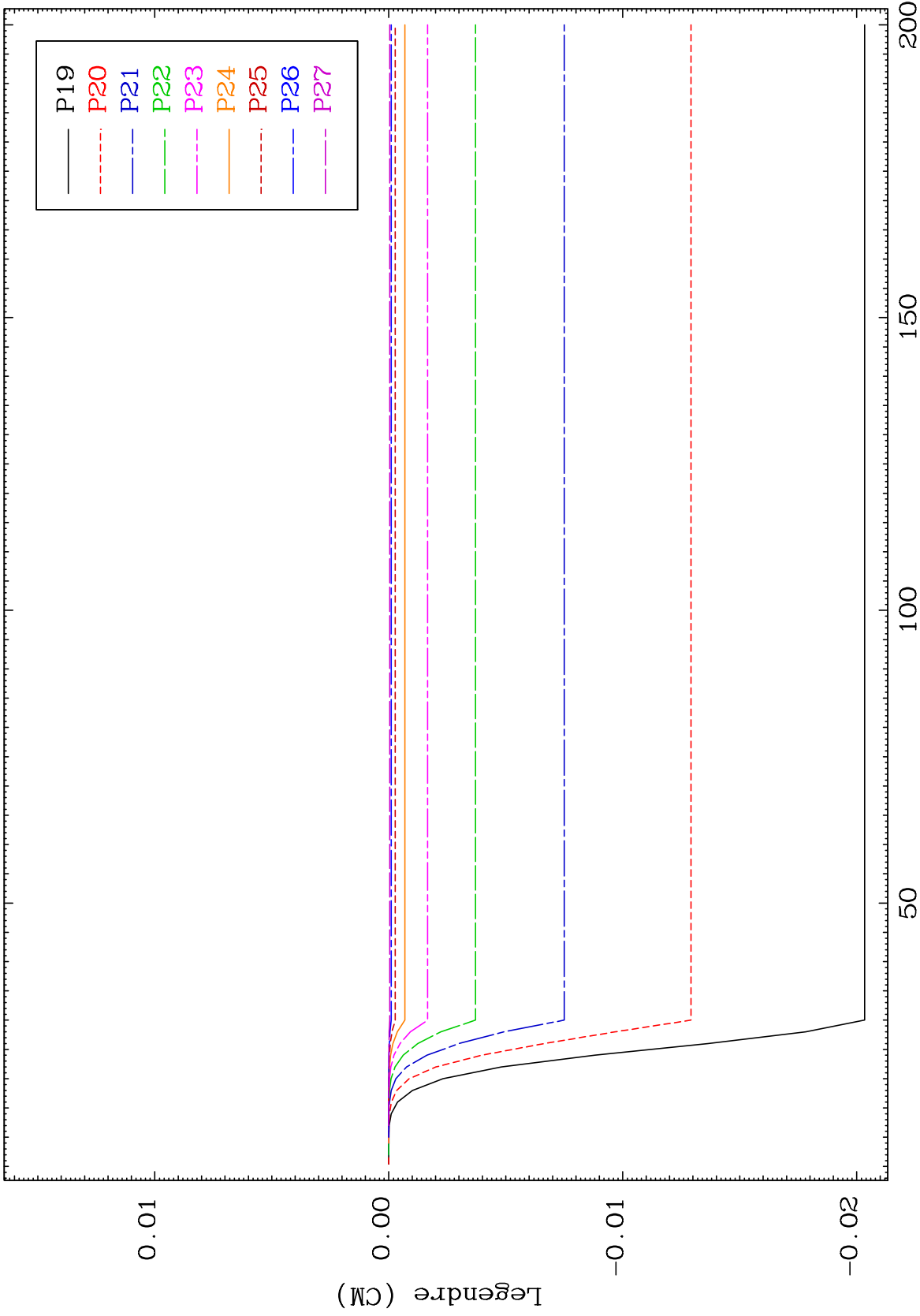
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



22

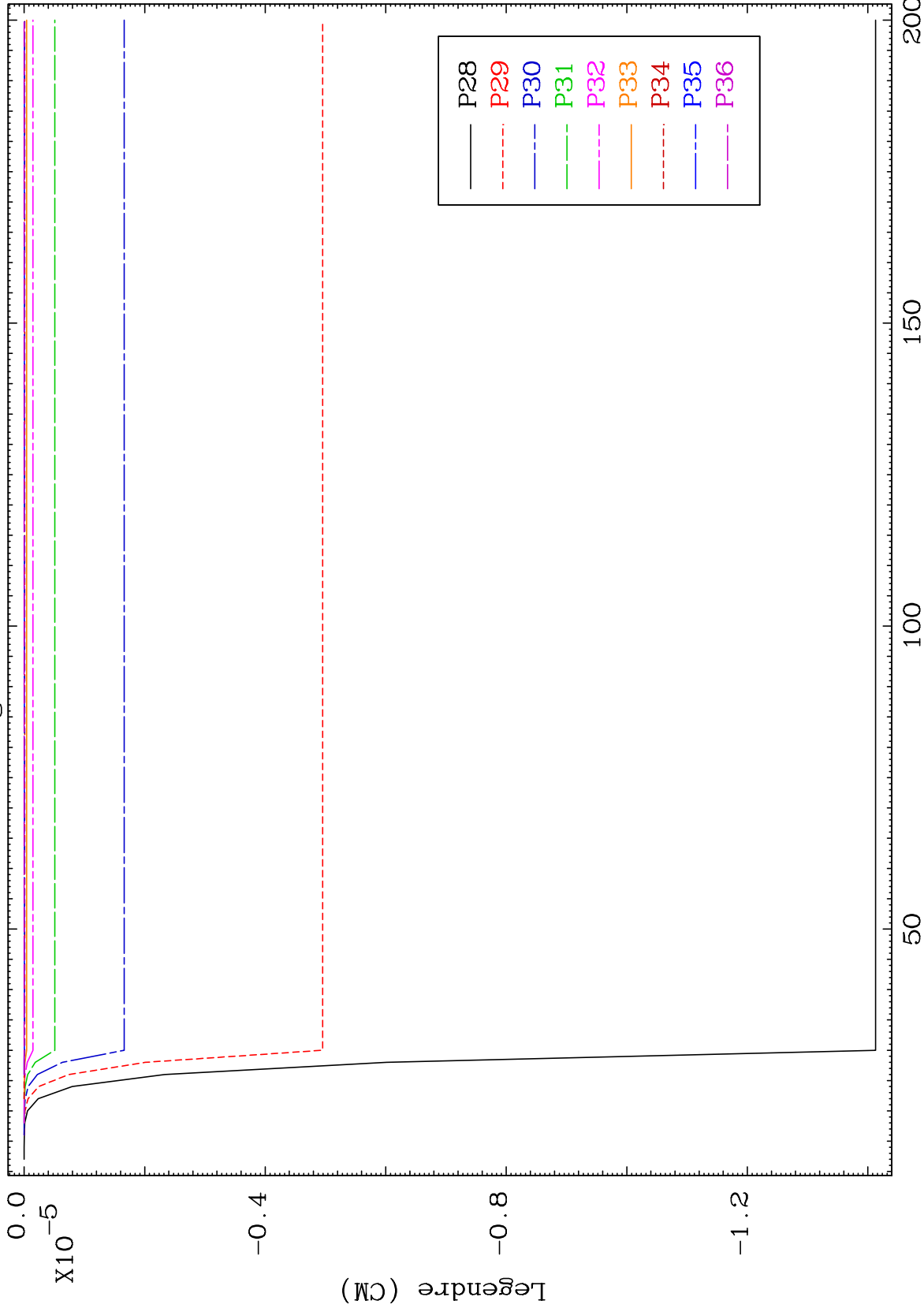
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



23

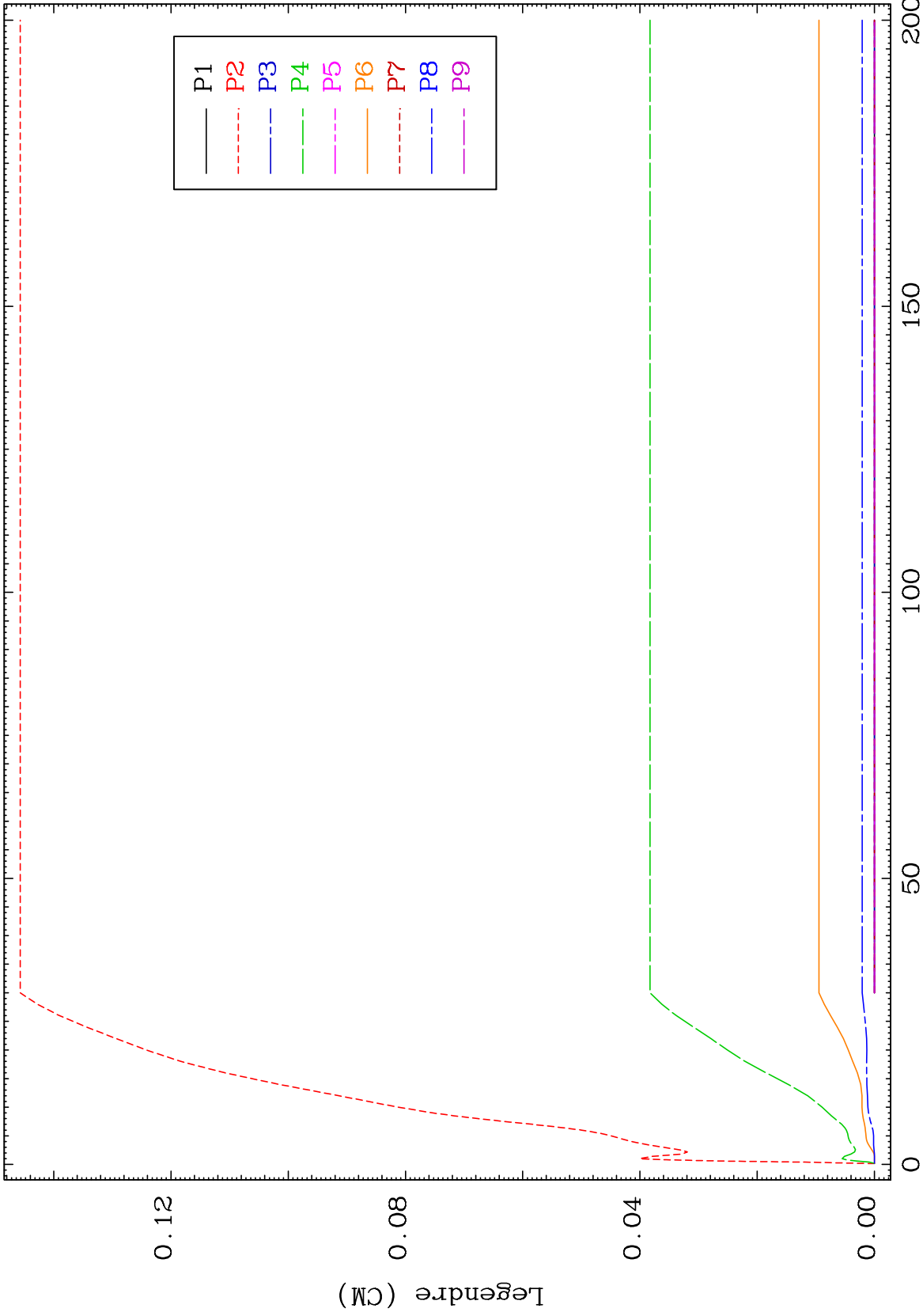
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



24

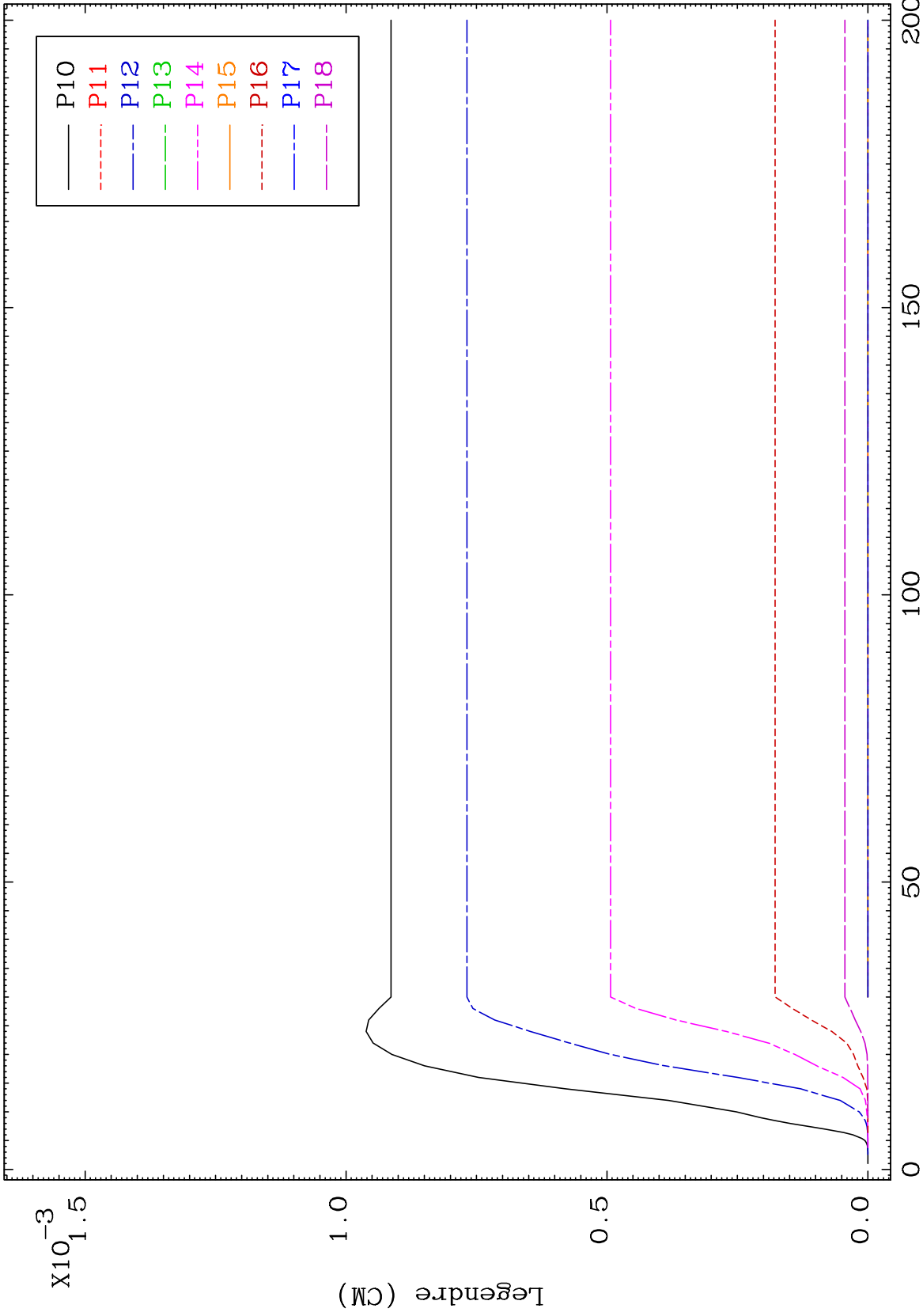
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



25

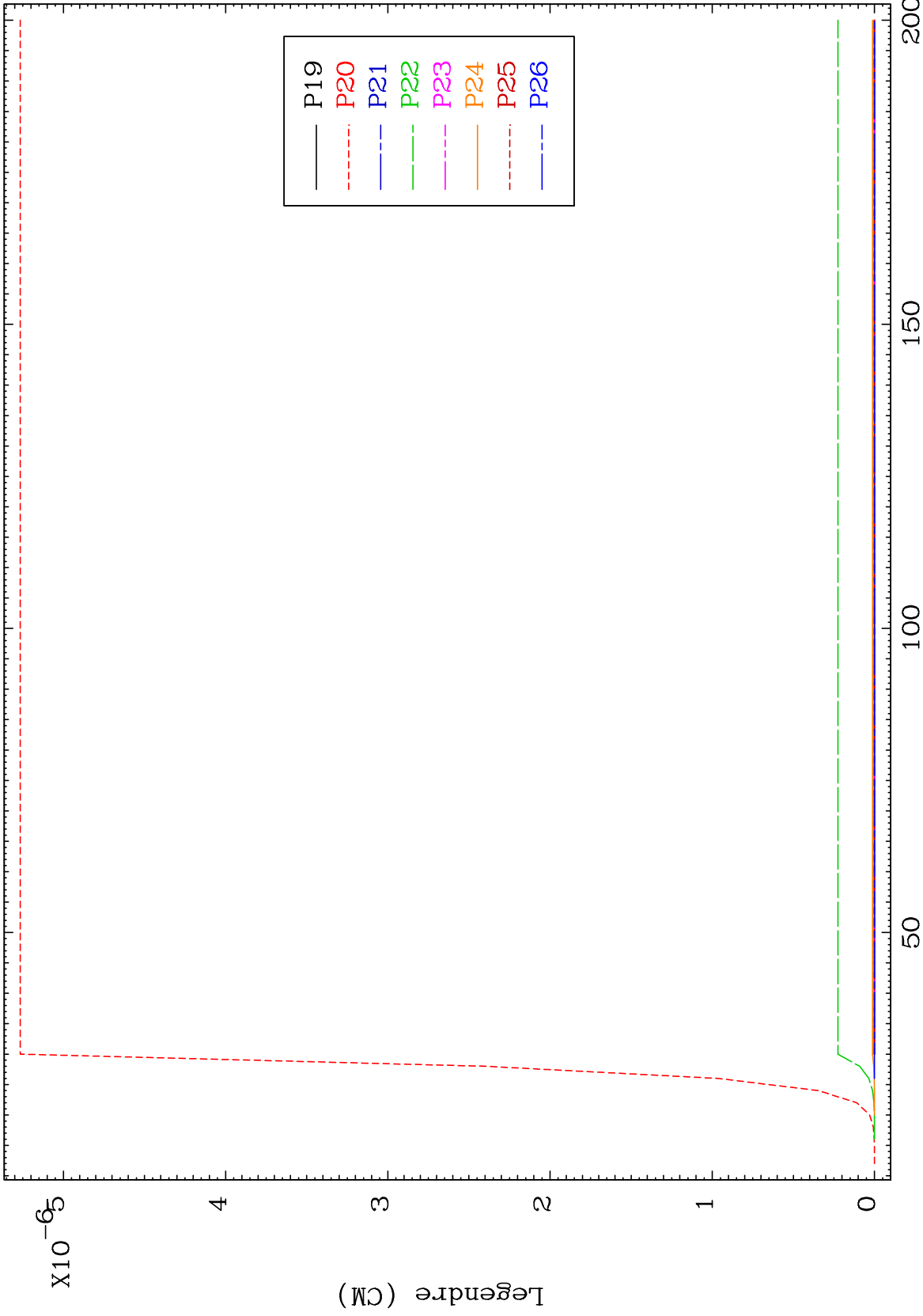
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



26

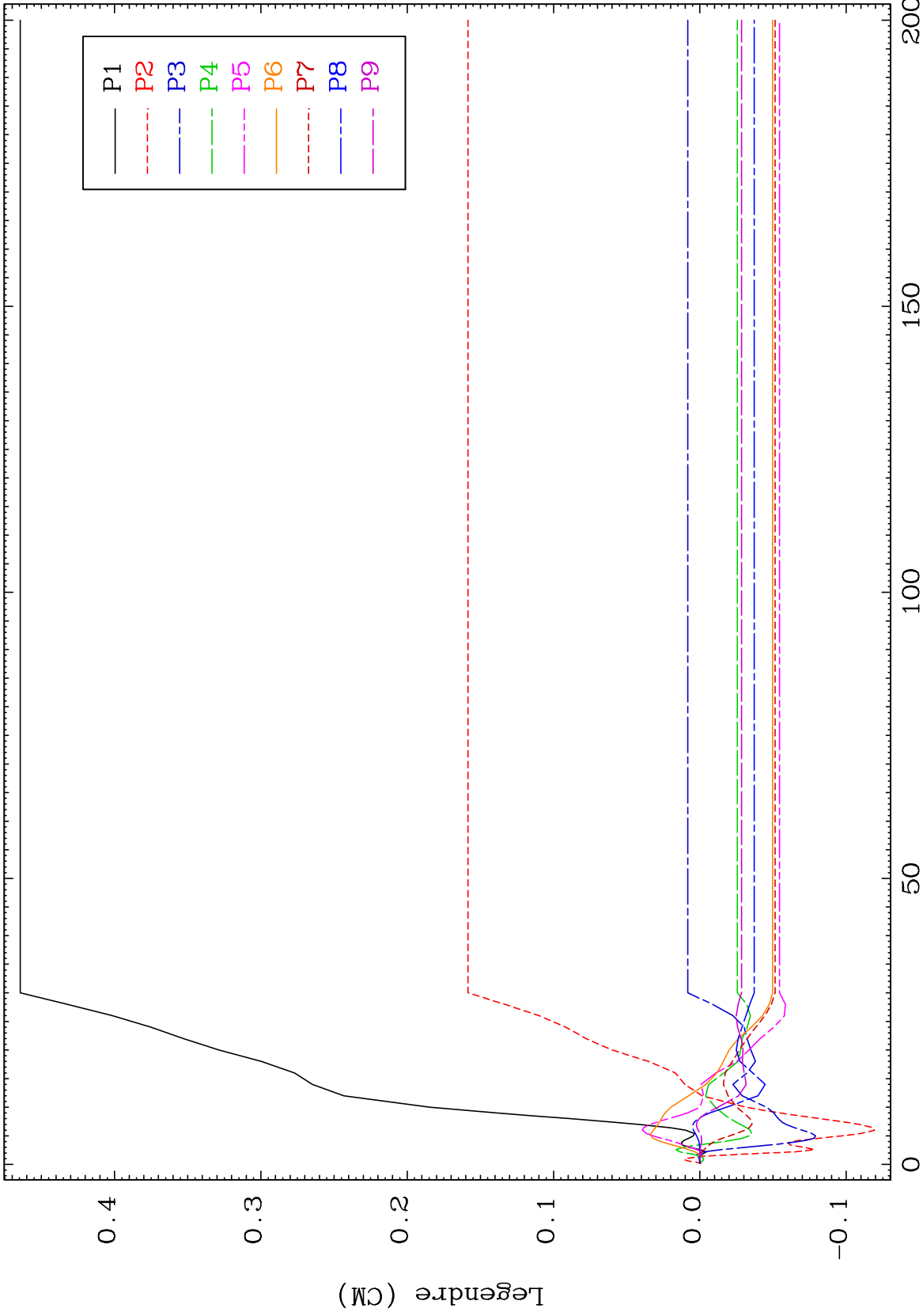
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



27

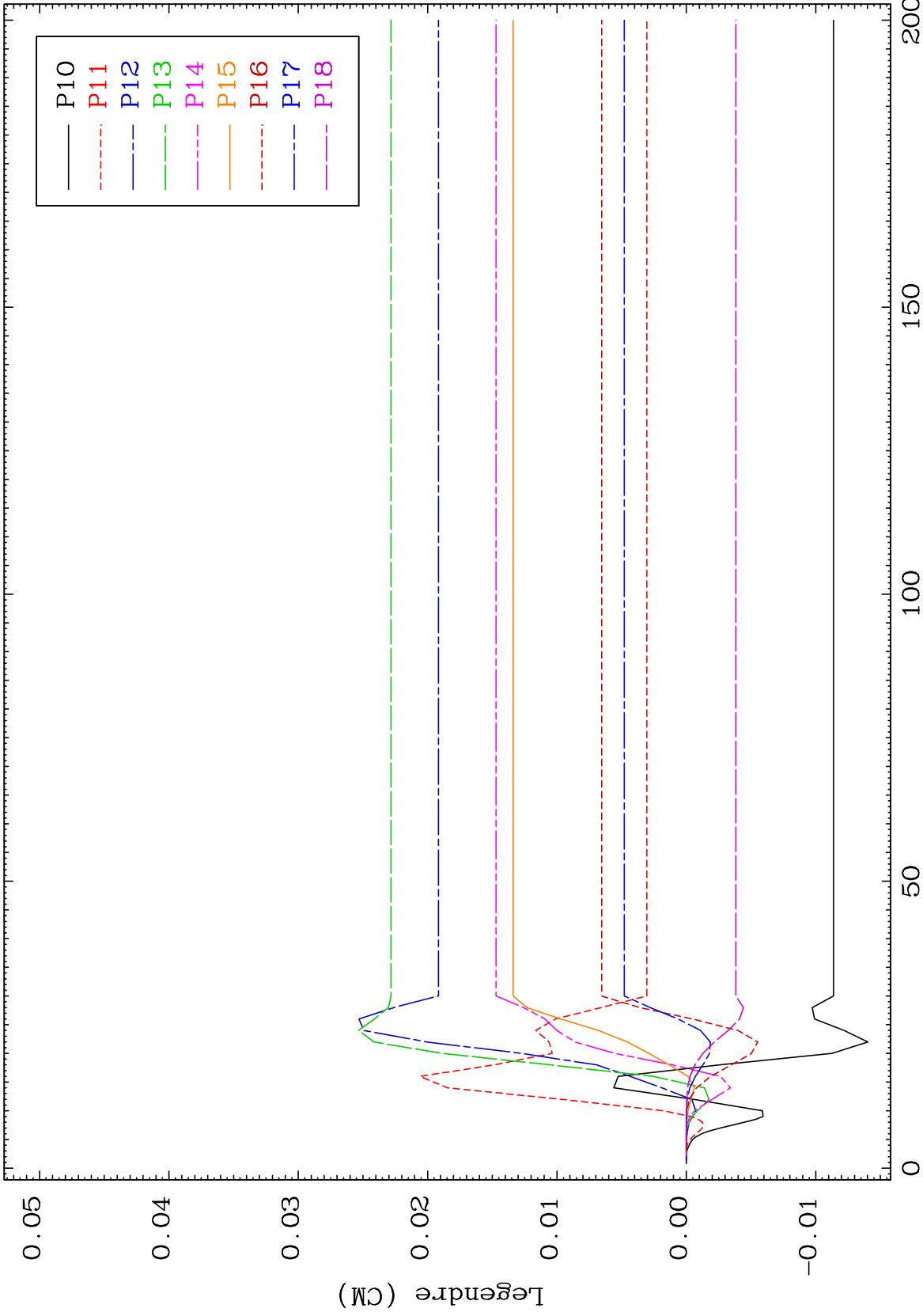
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



28

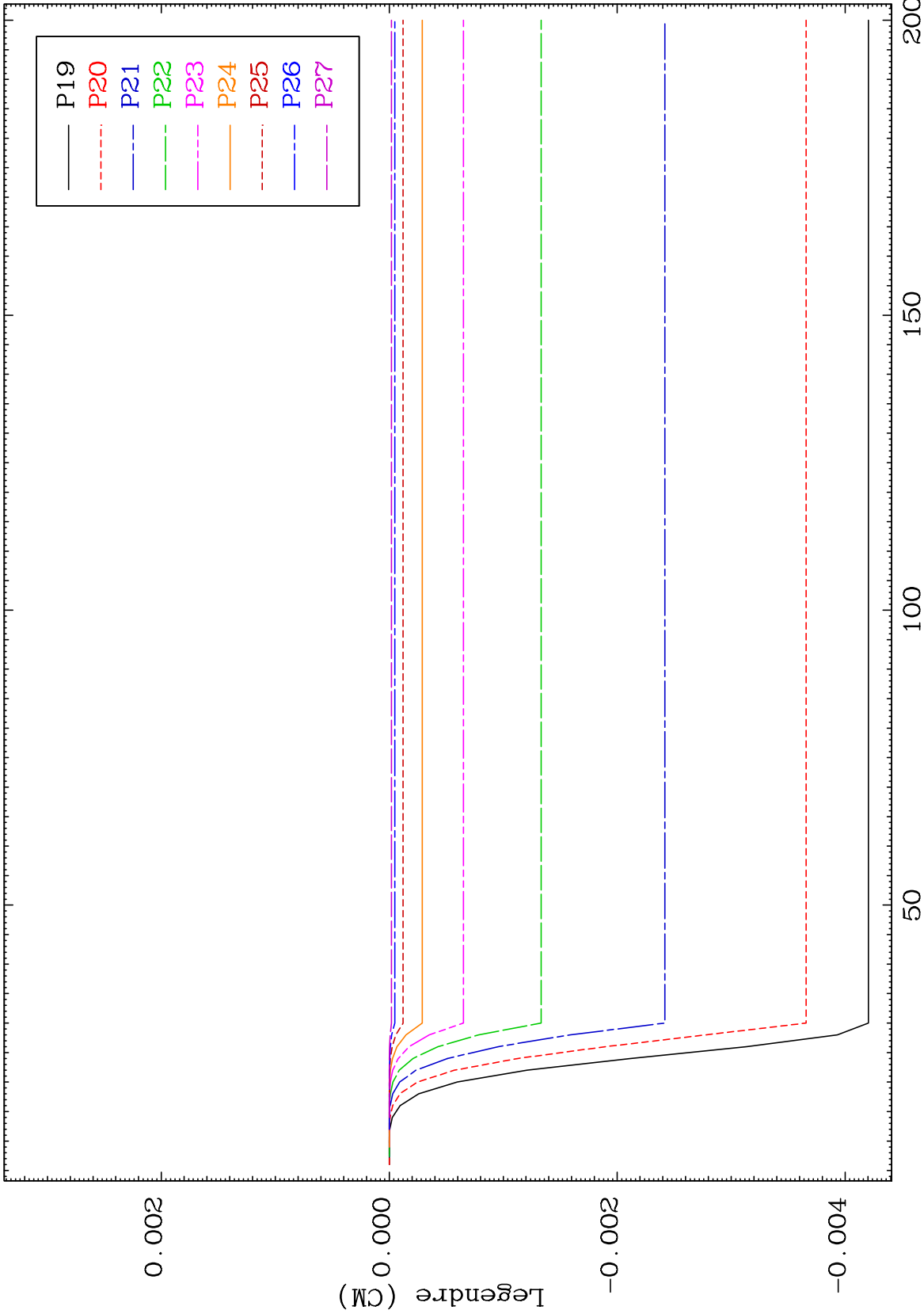
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



29

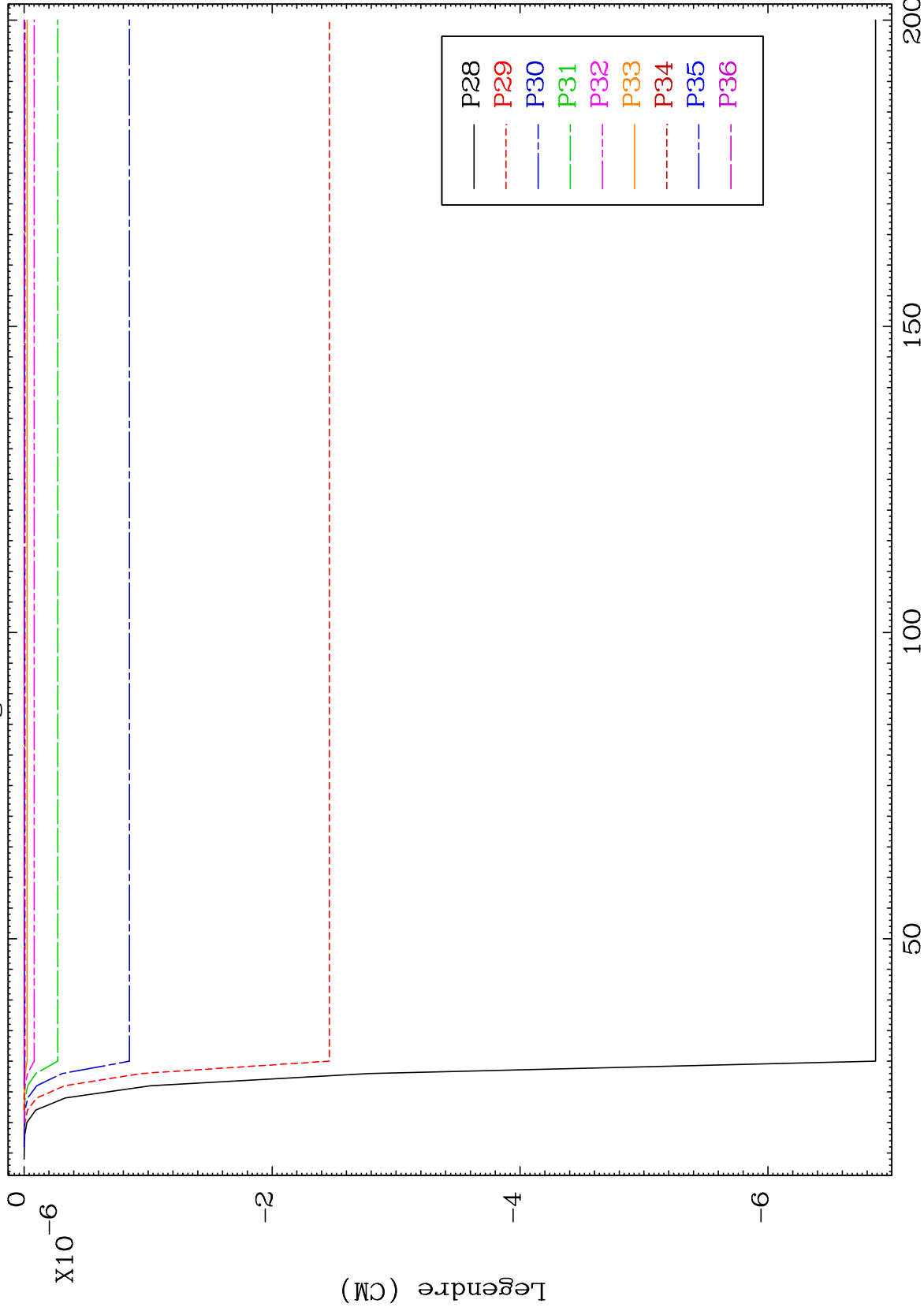
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



57-La-146

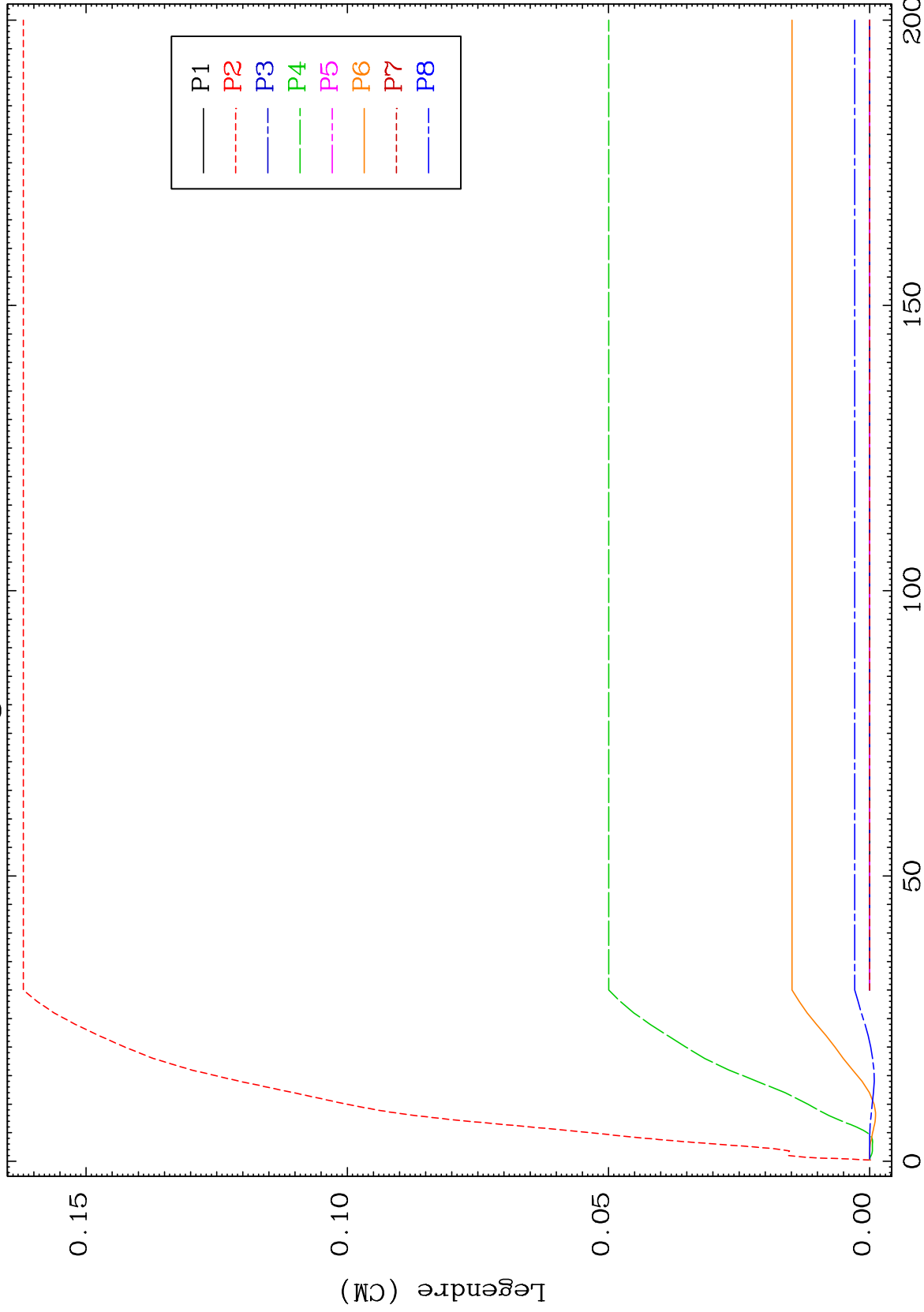
Incident Energy (MeV)

30

MAT 5749

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

57-La-146



31

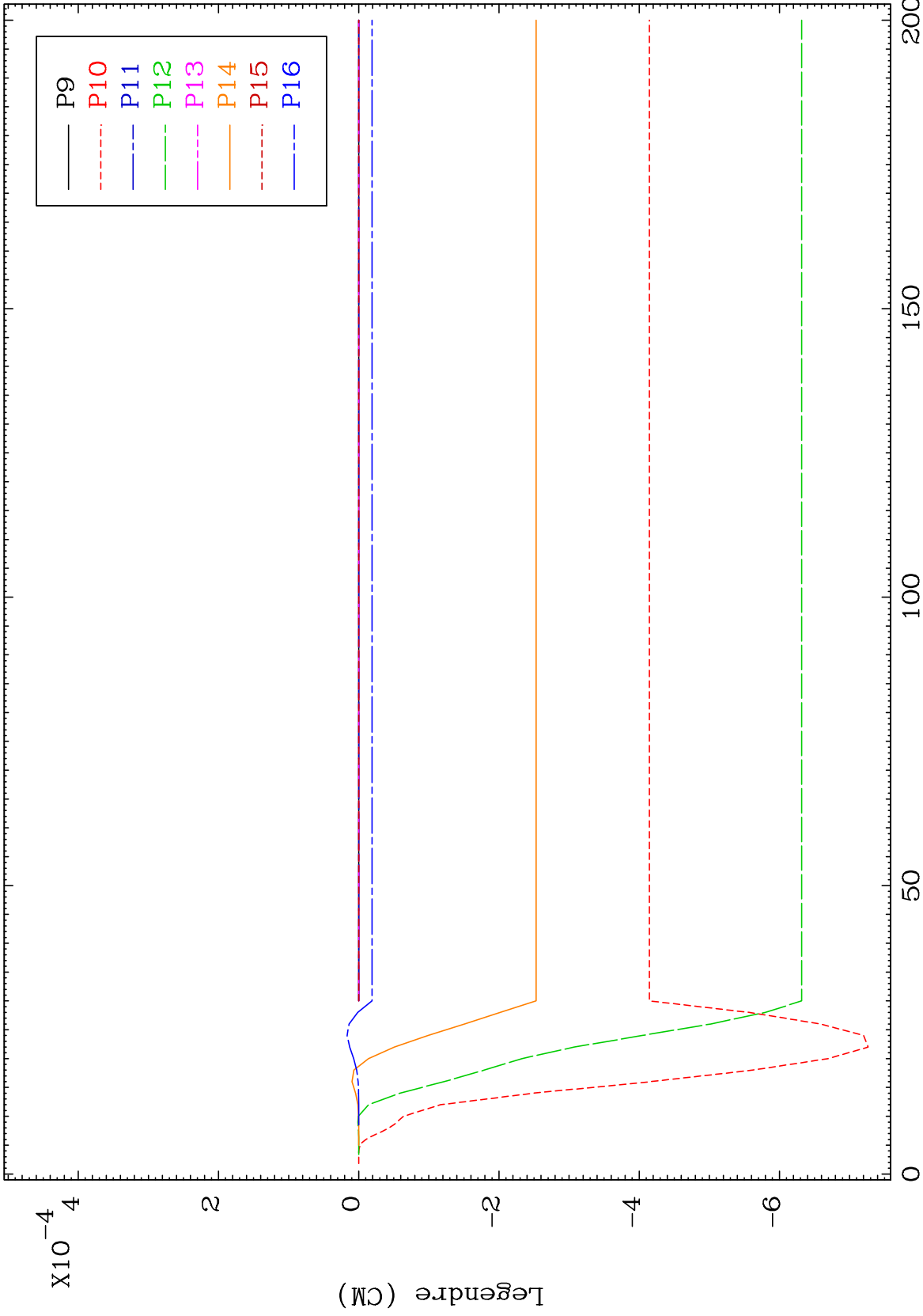
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



32

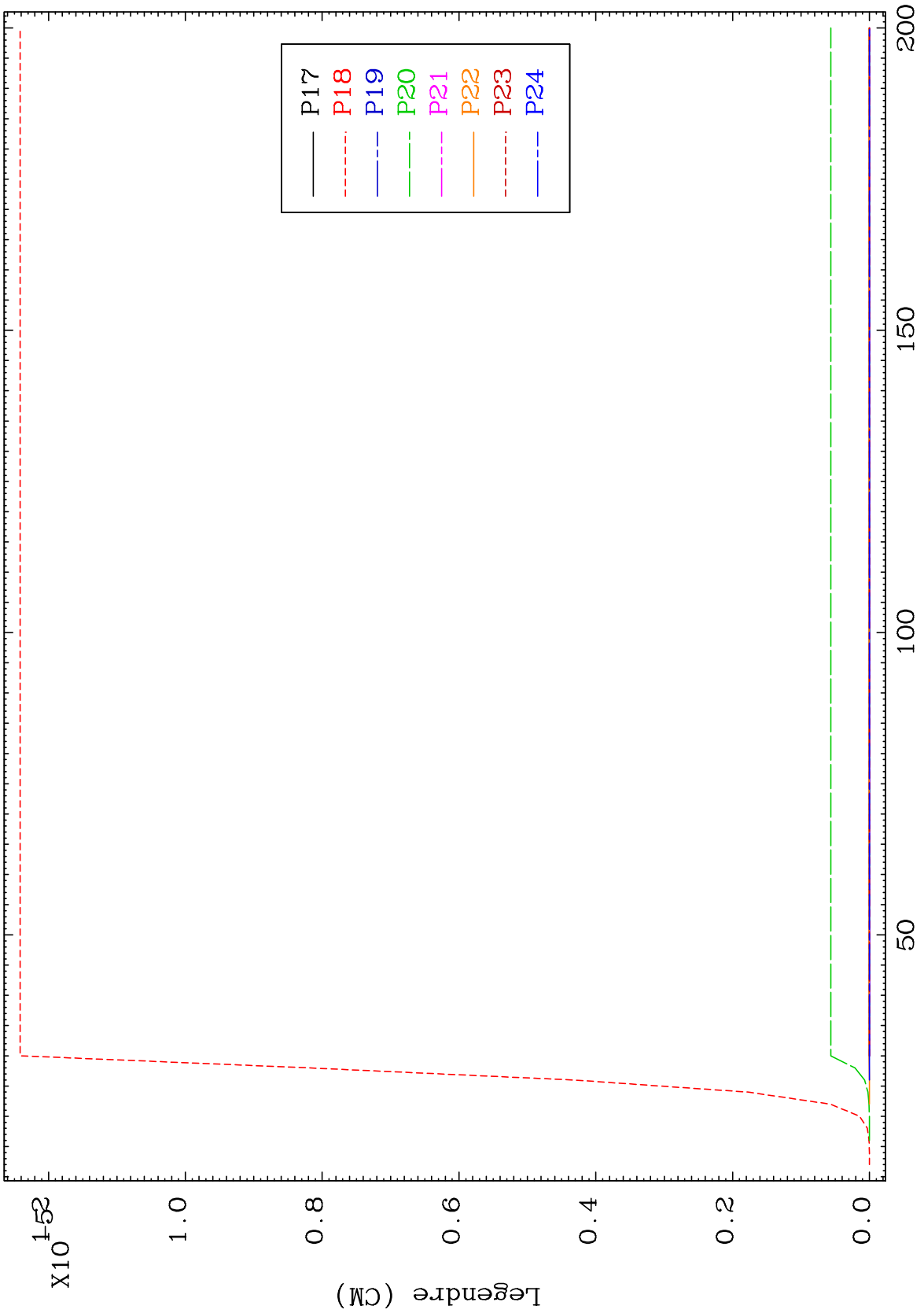
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



33

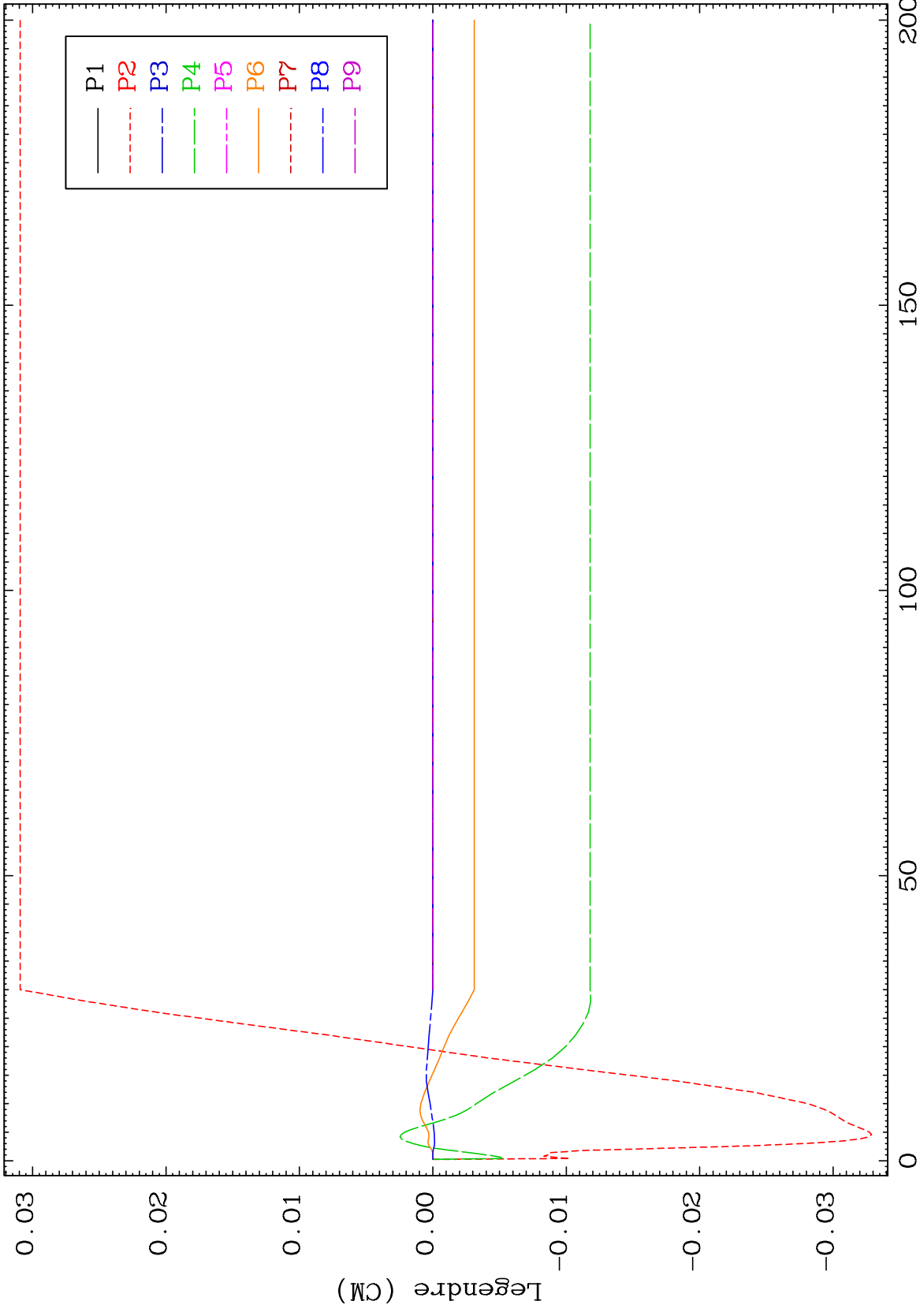
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



34

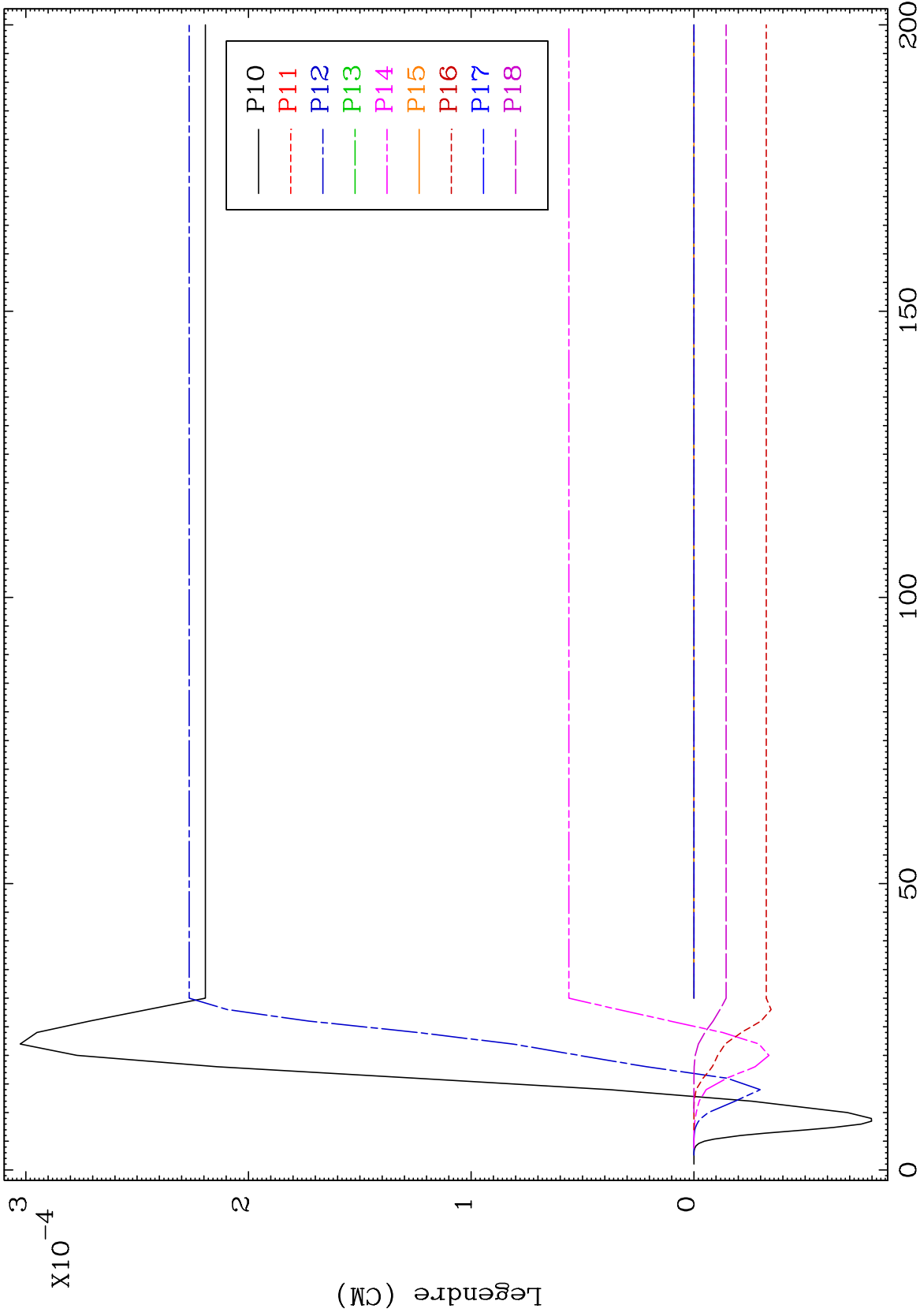
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



35

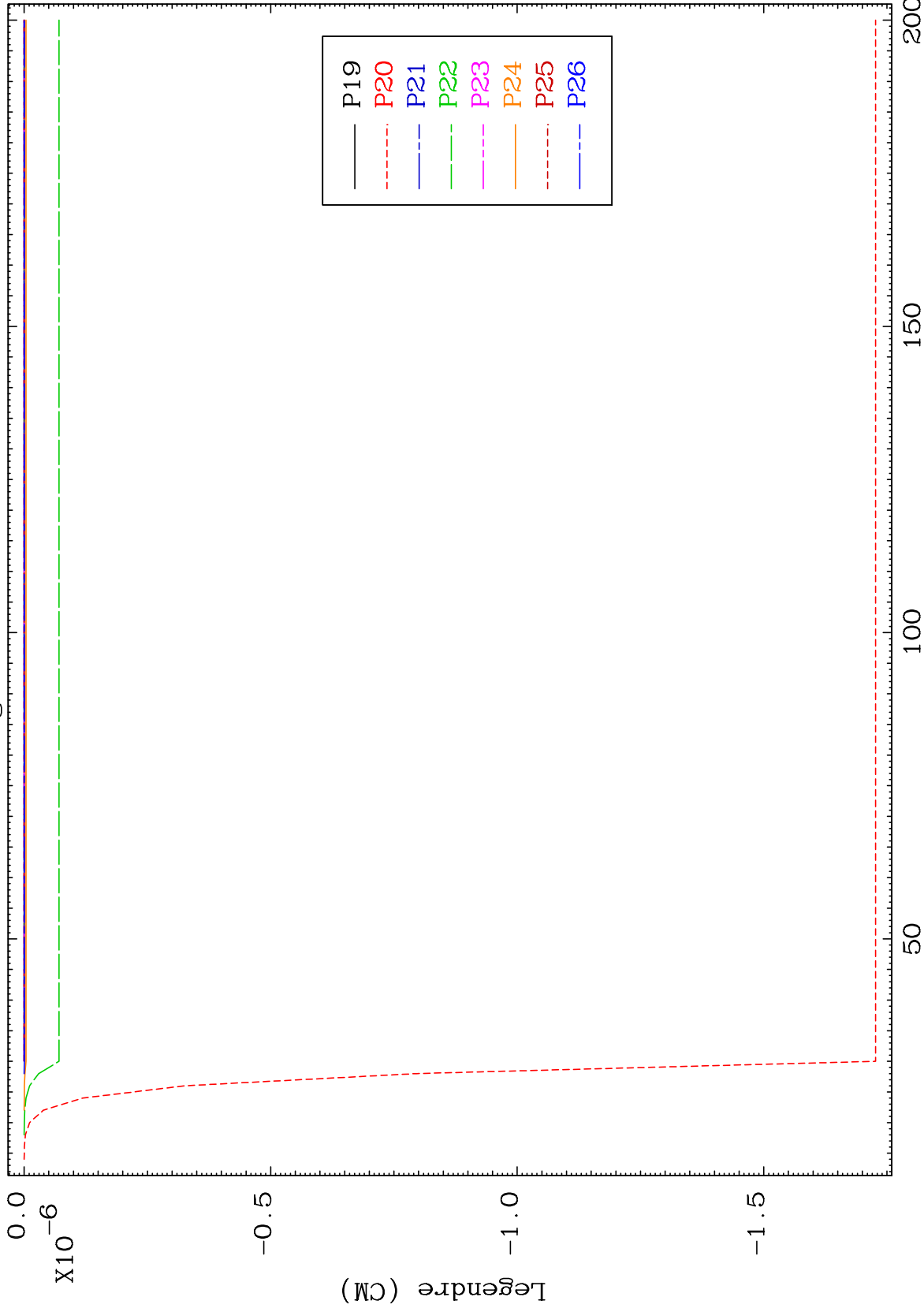
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



36

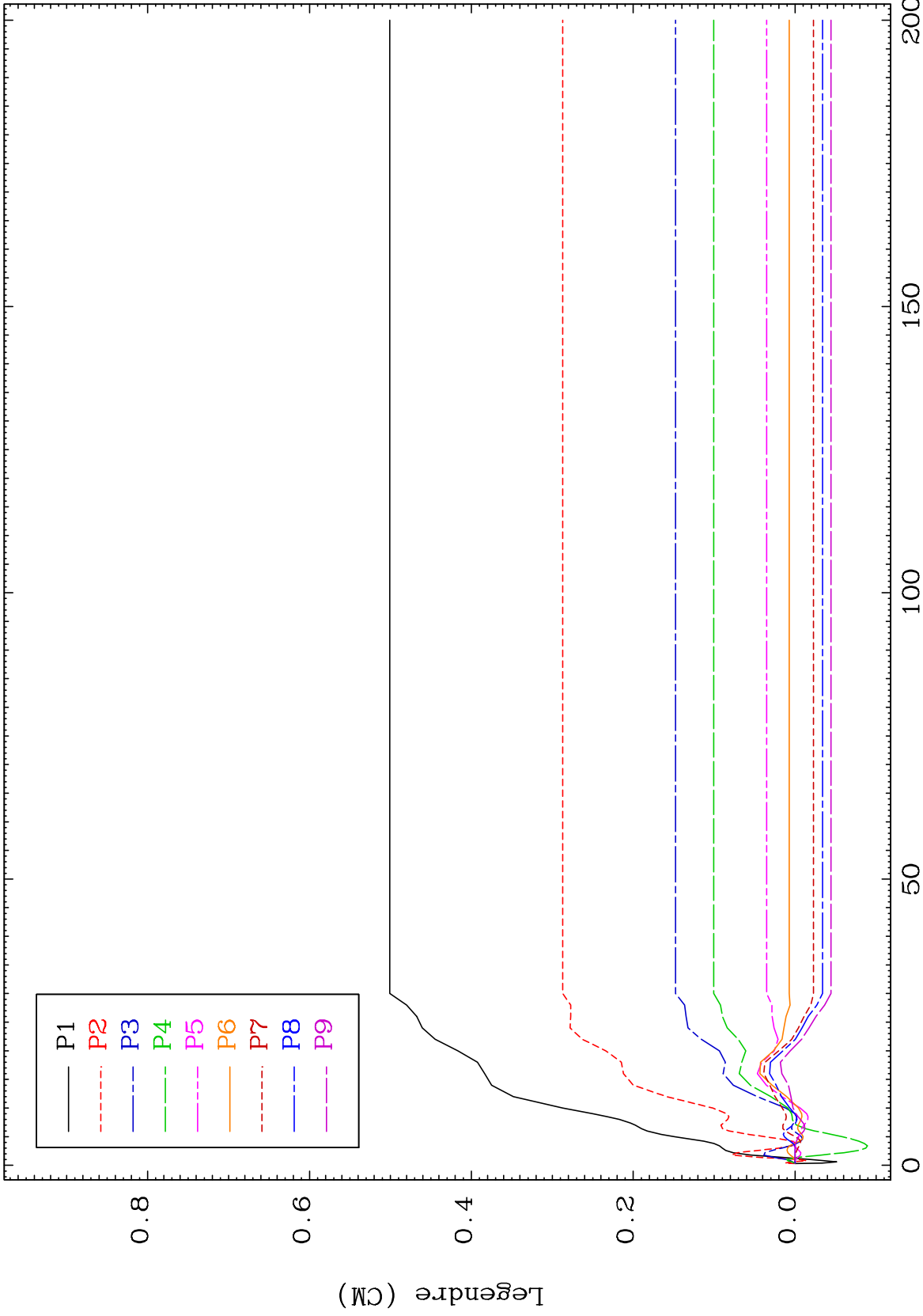
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



37

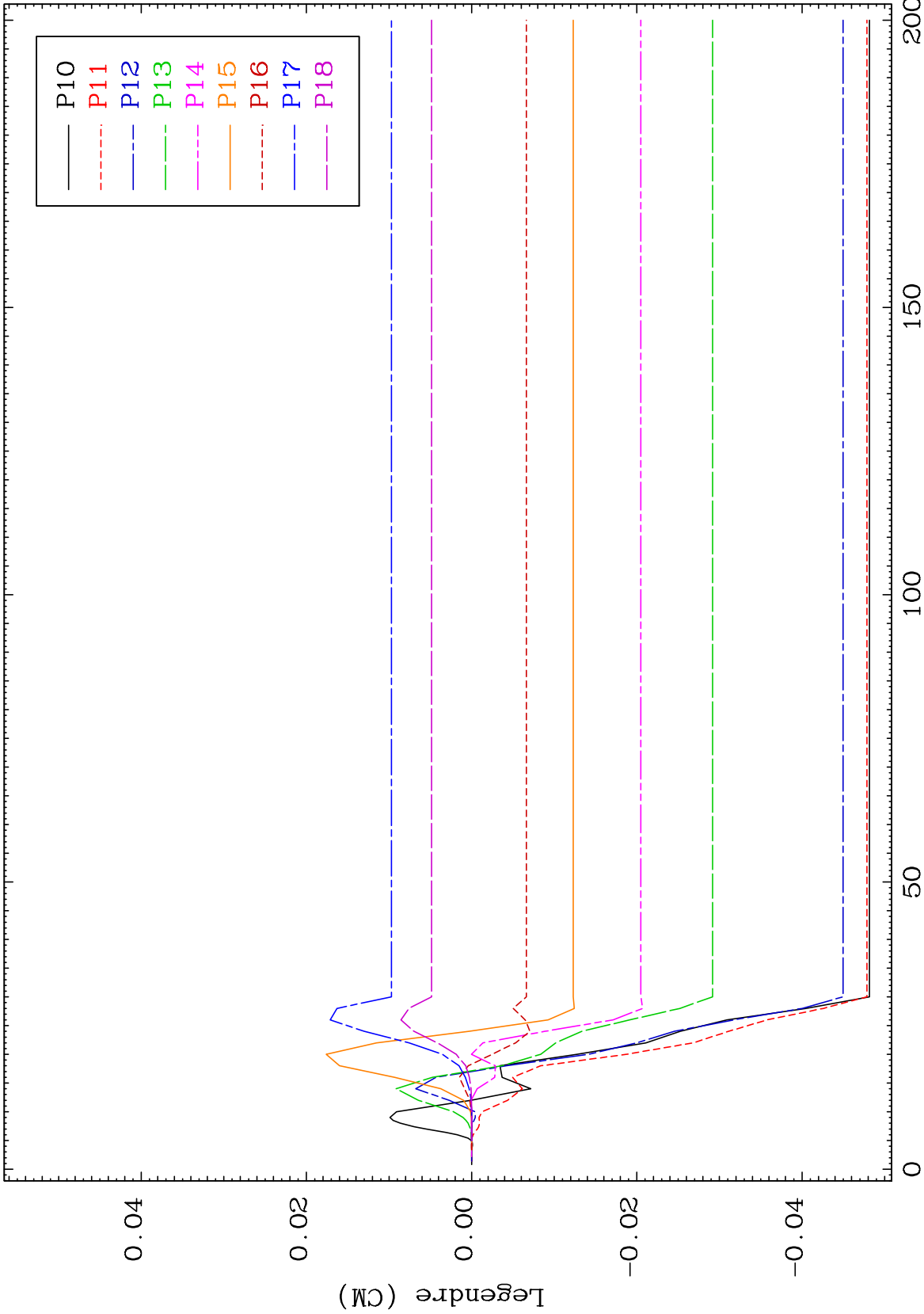
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



38

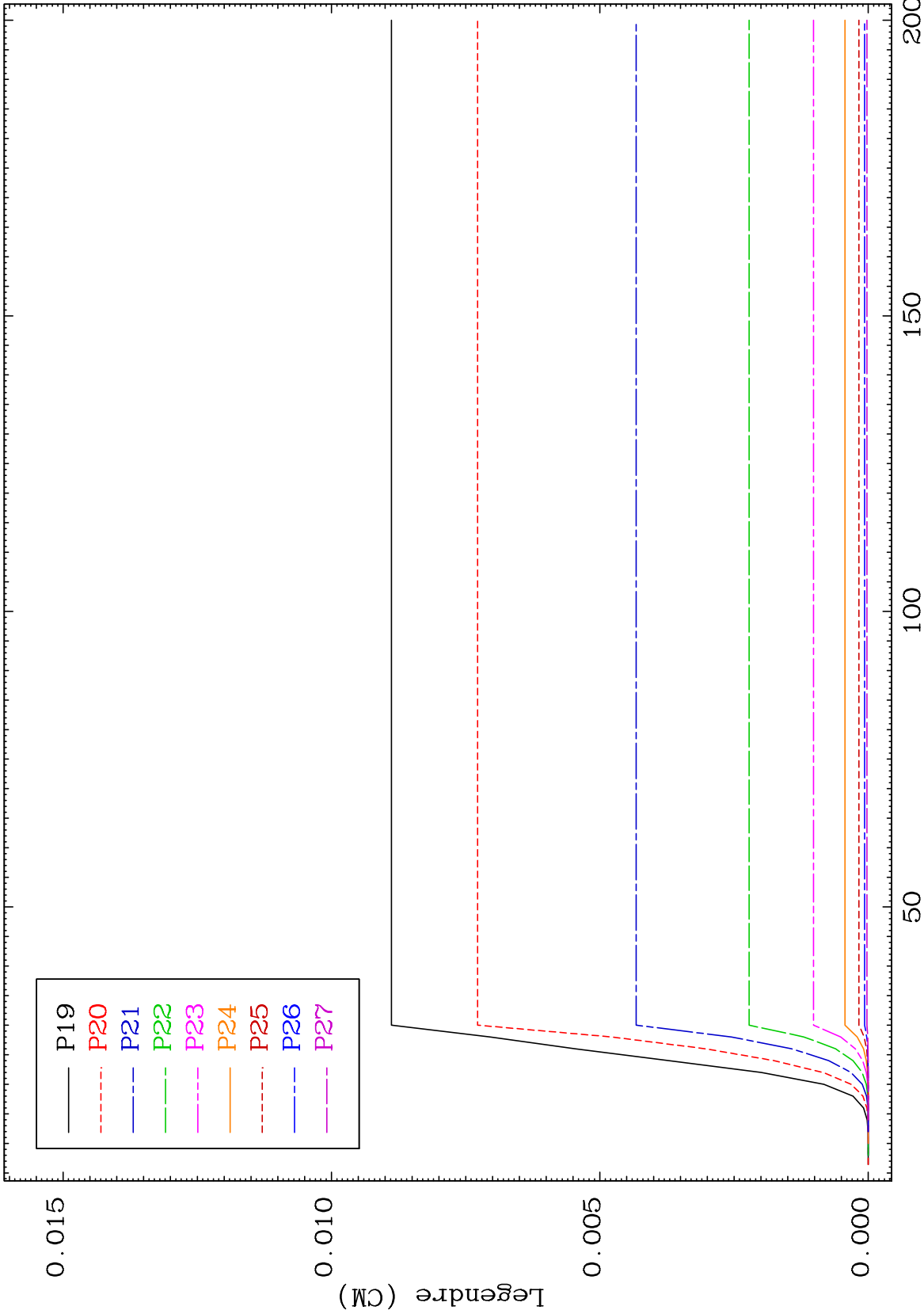
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



39

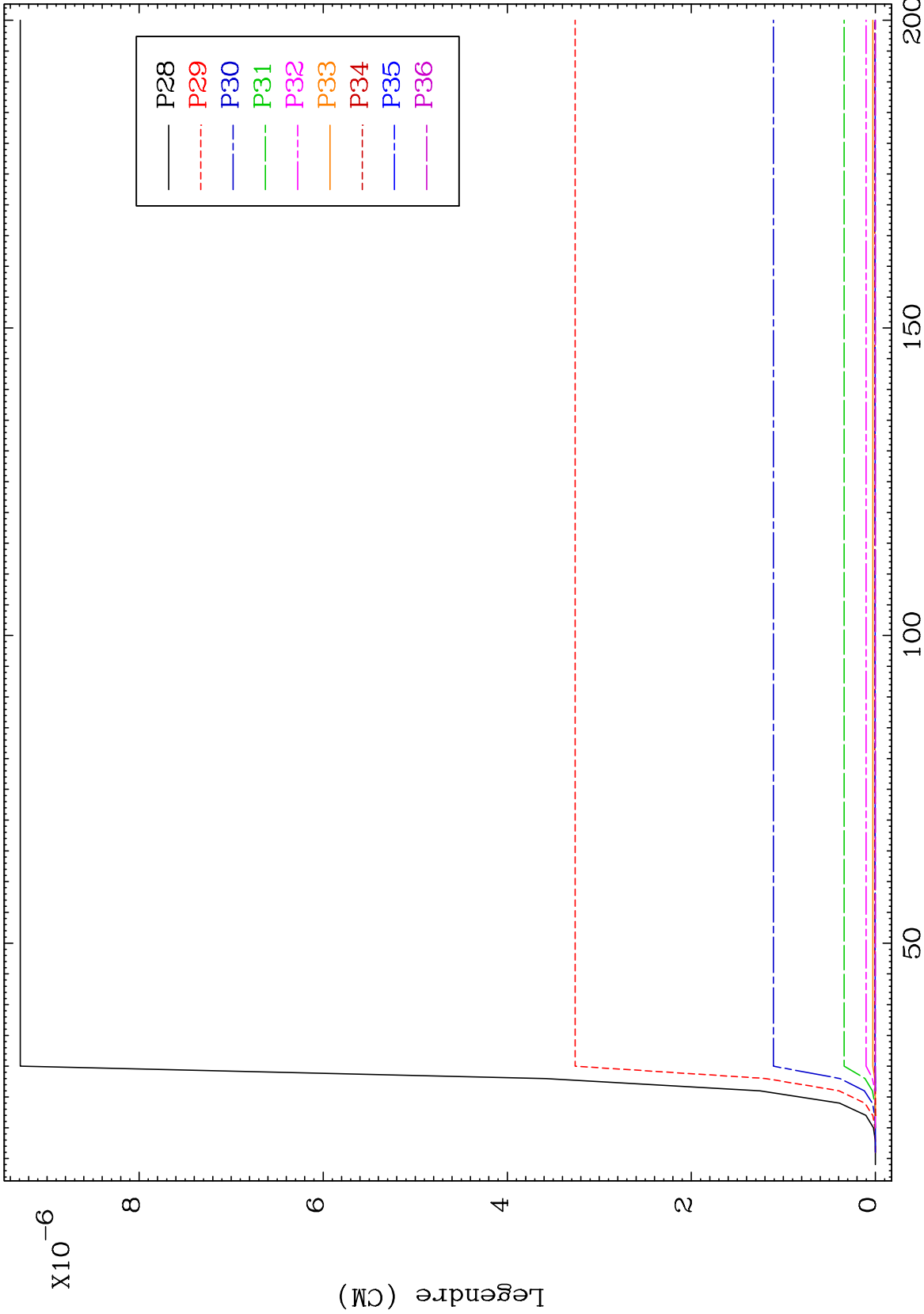
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



40

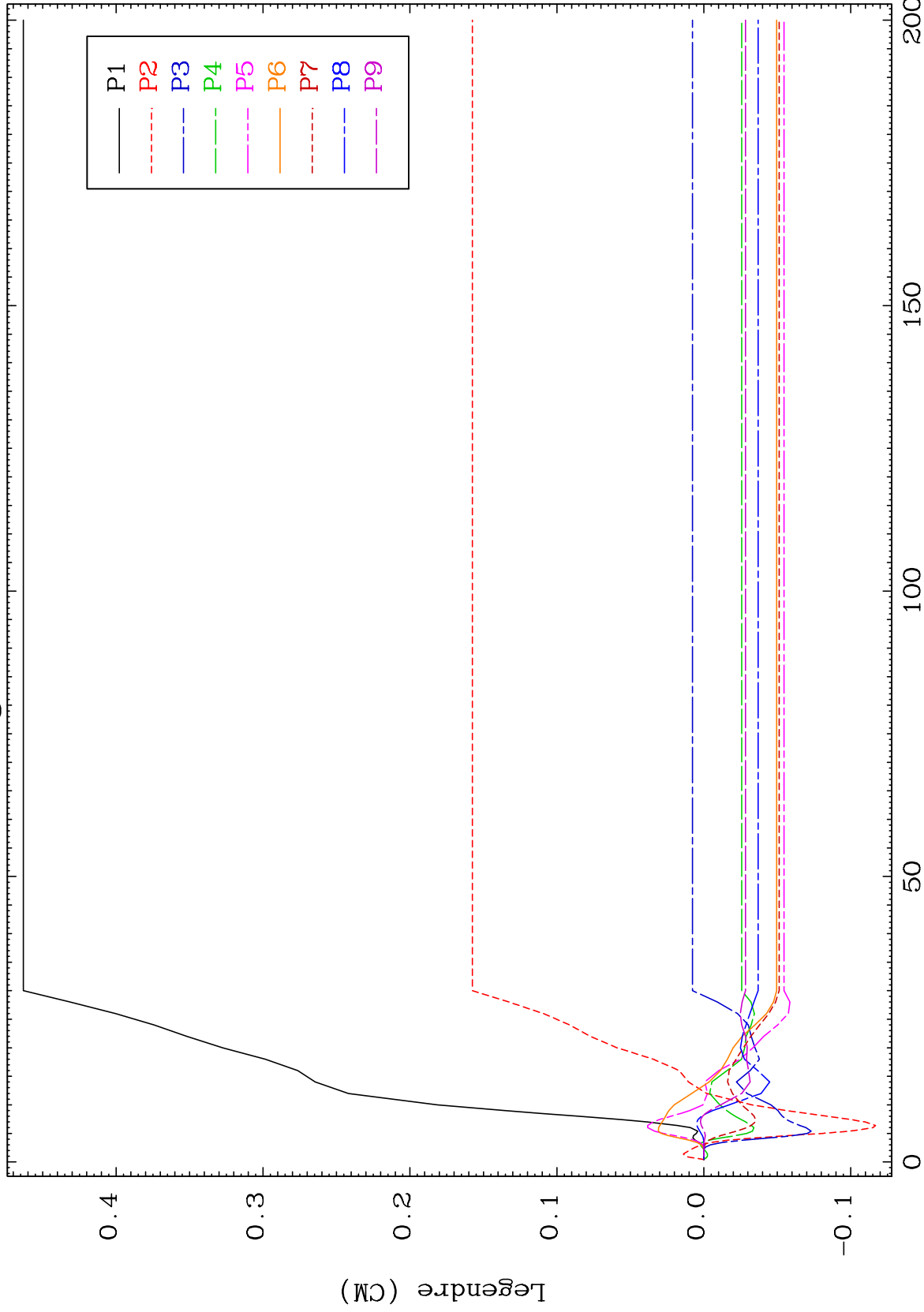
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



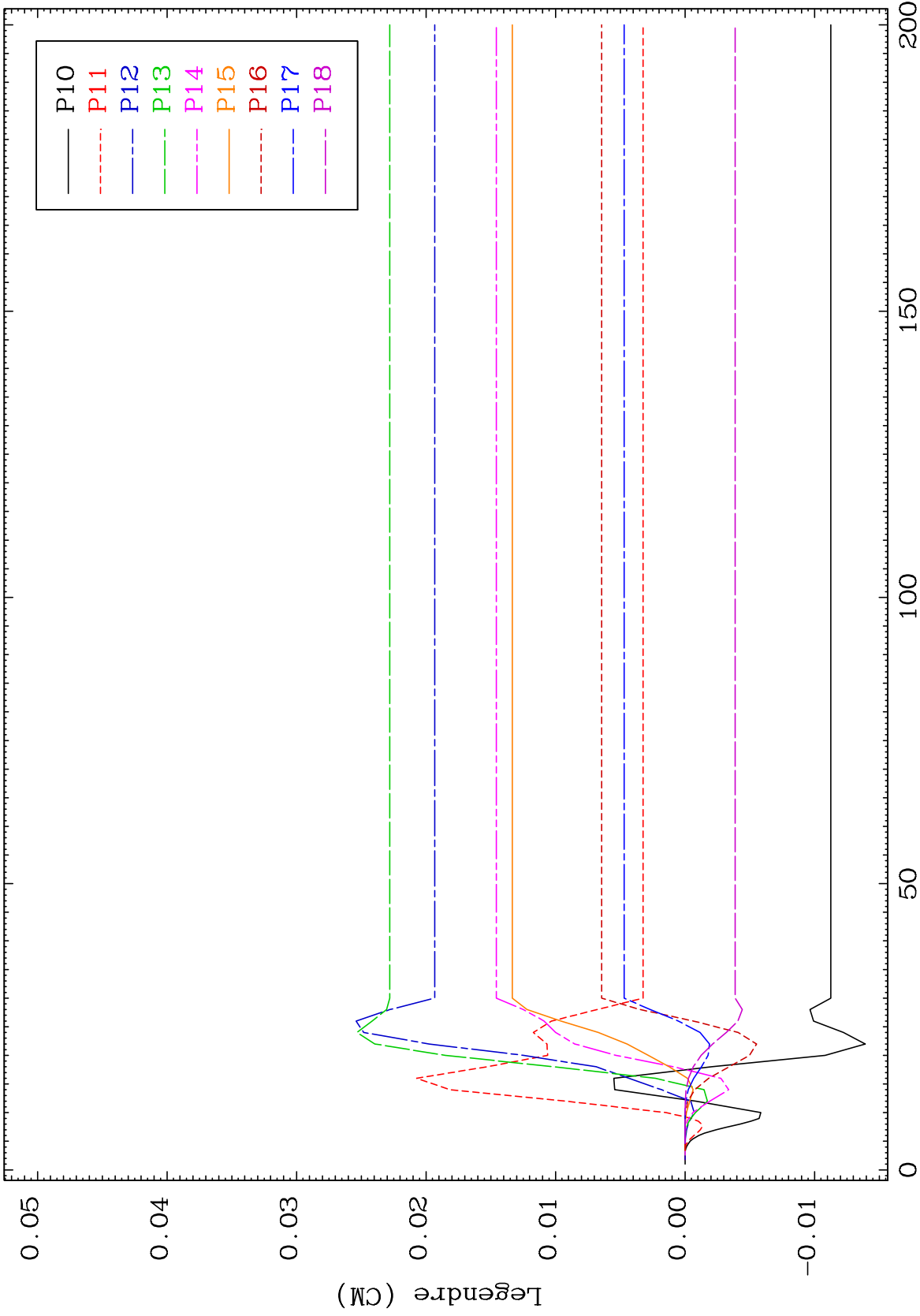
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57-La-146

MAT 5749

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

57-La-146



42

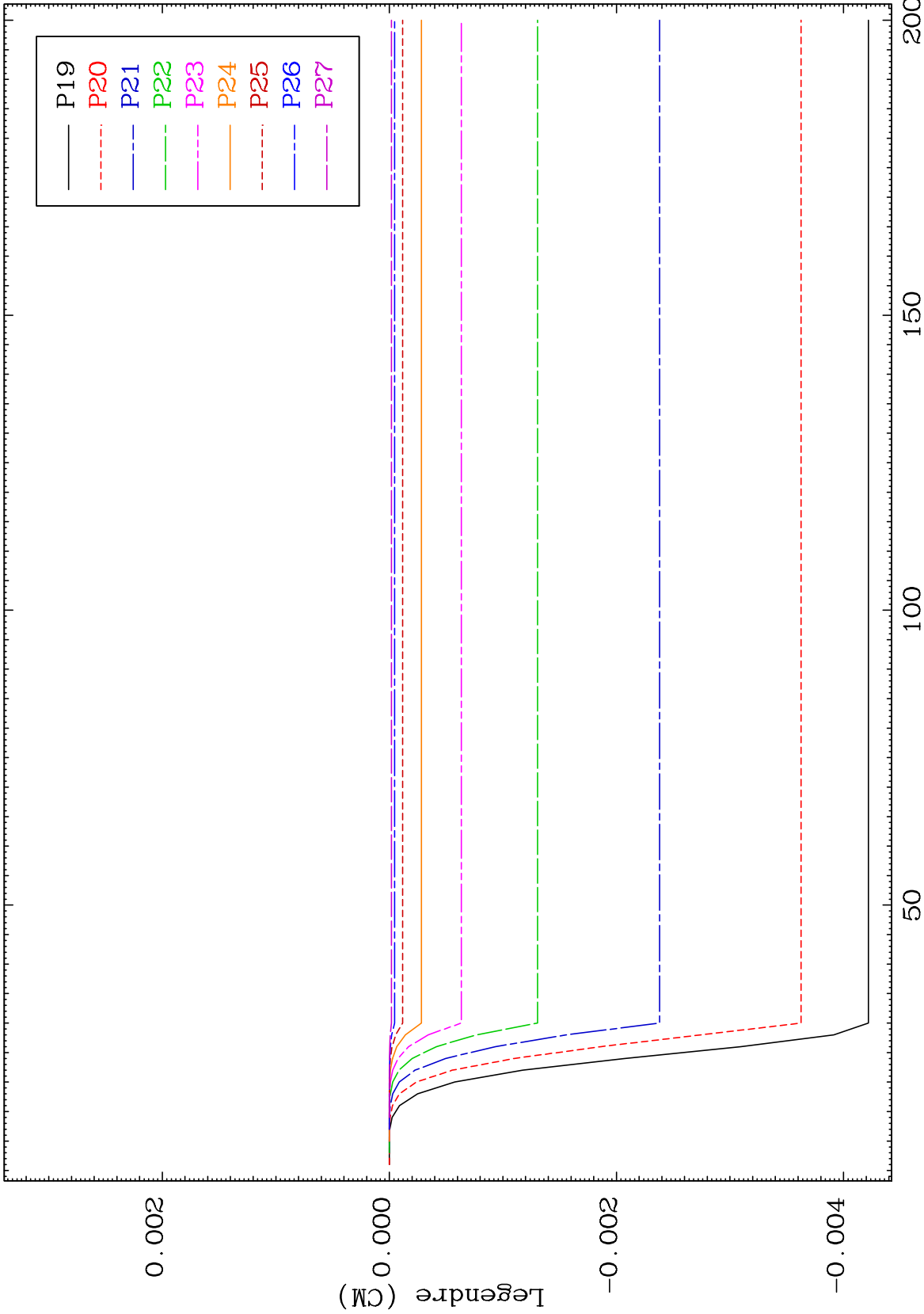
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



43

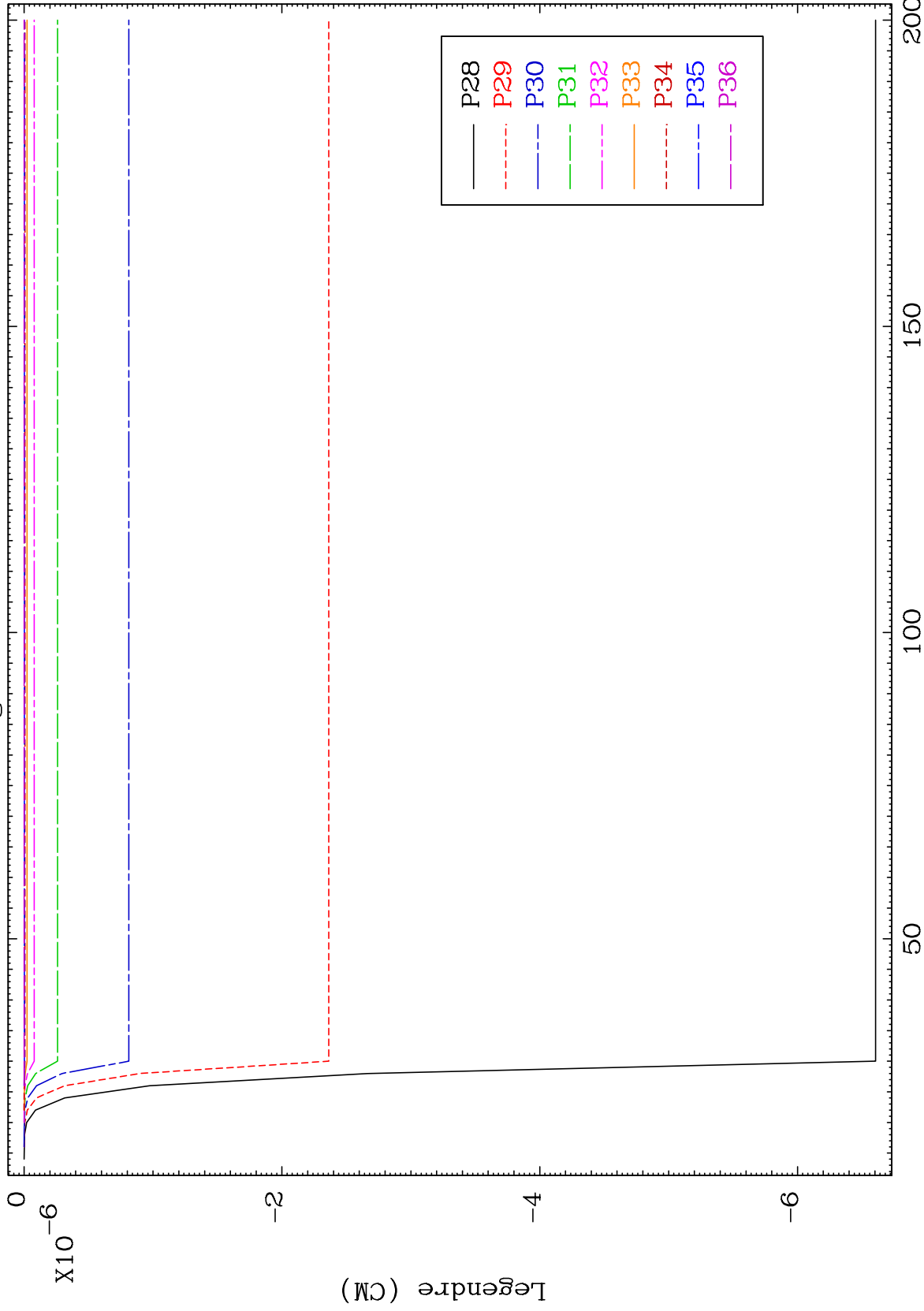
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



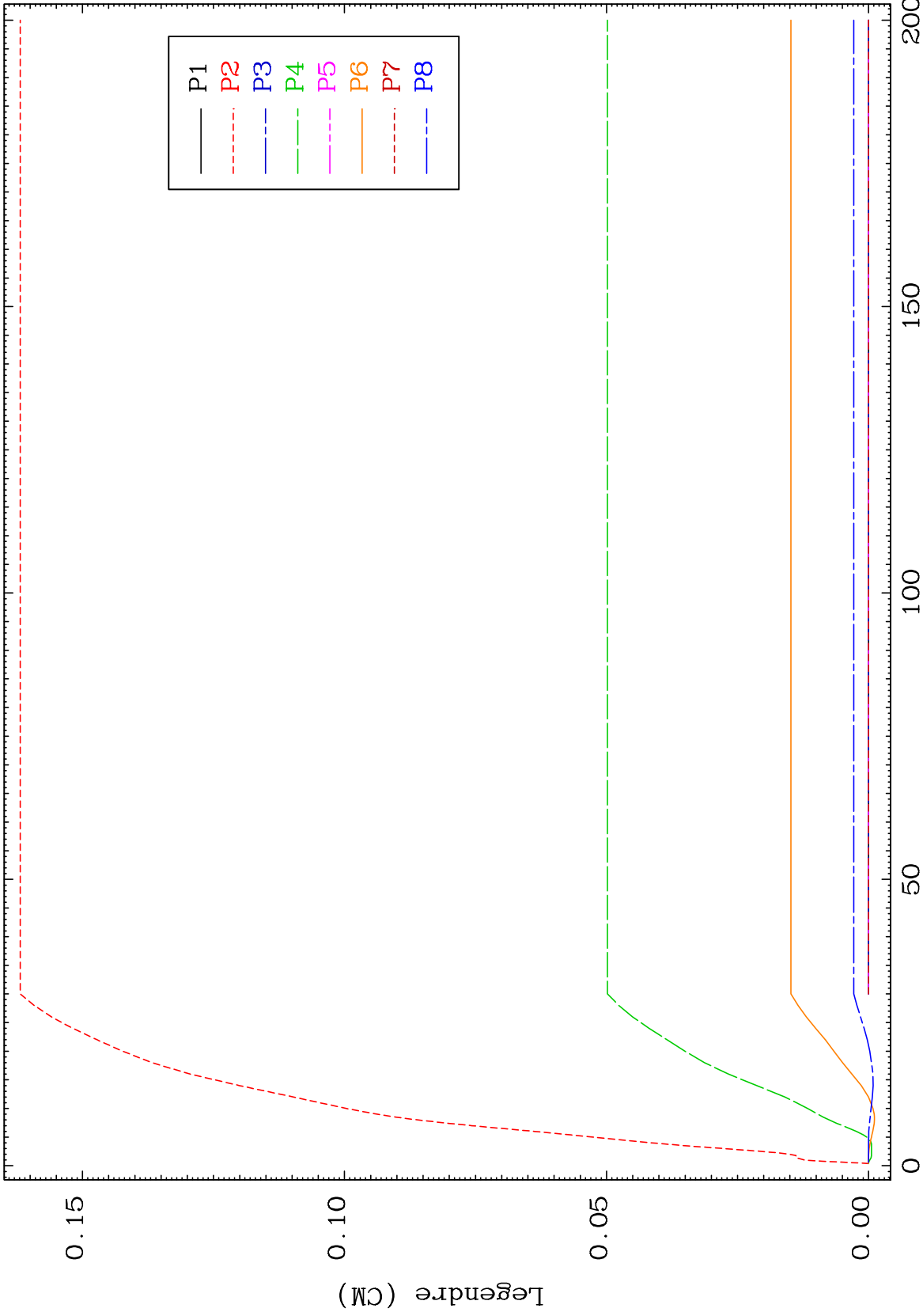
44

57-La-146

MAT 5749

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

57-La-146



45

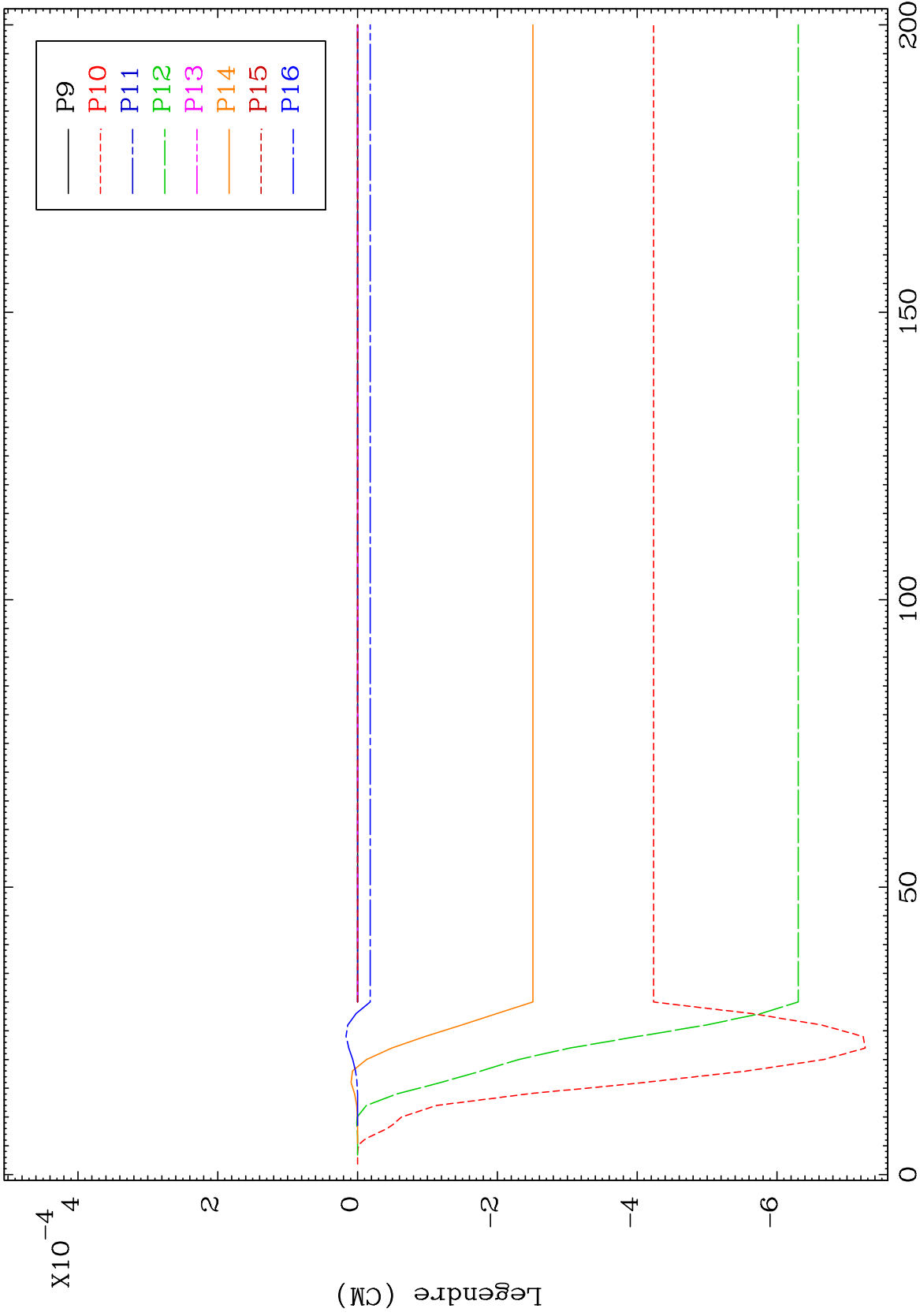
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



46

Incident Energy (MeV)

57-La-146

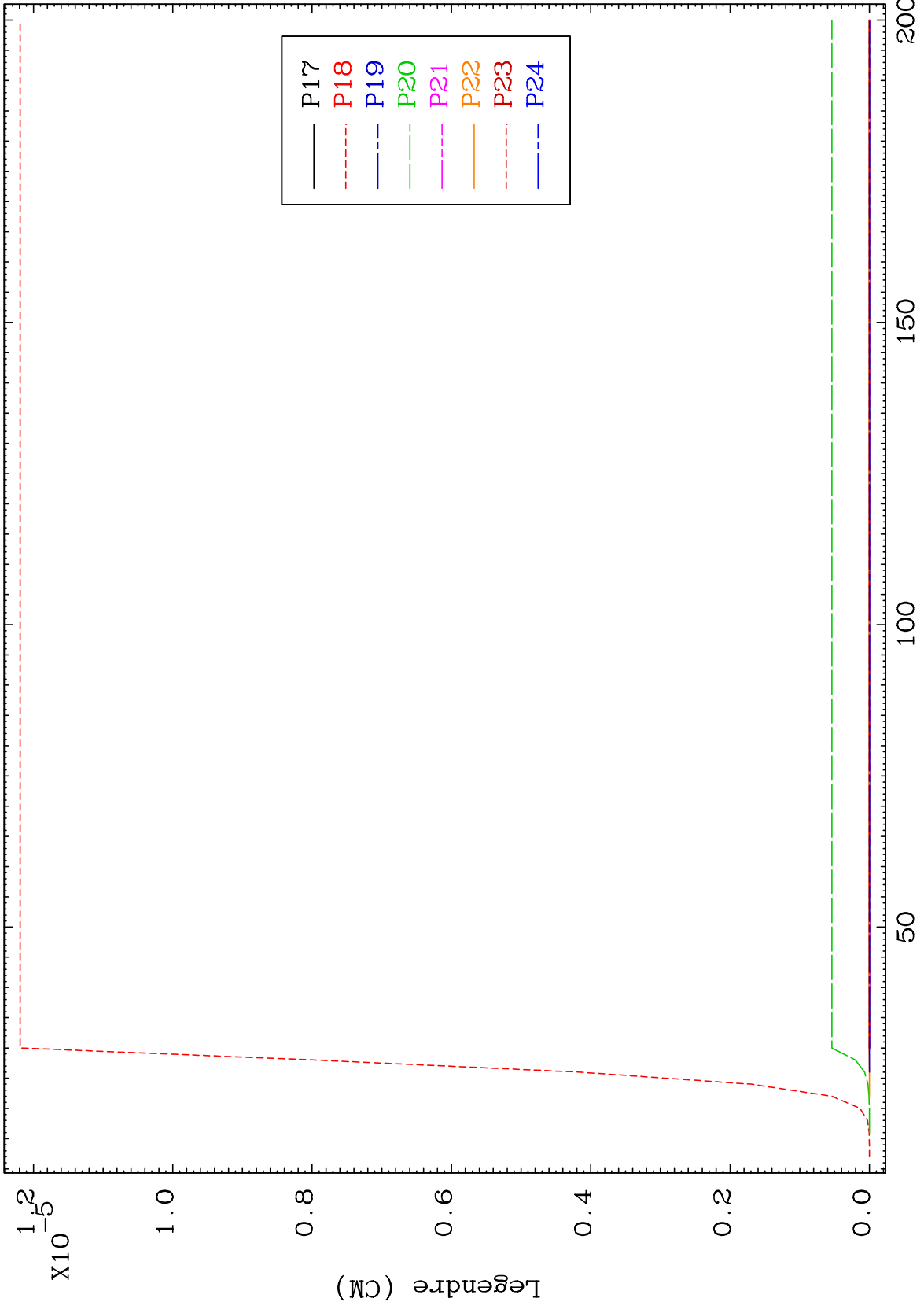
MAT 5749

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

57-La-146

Incident Energy (MeV)

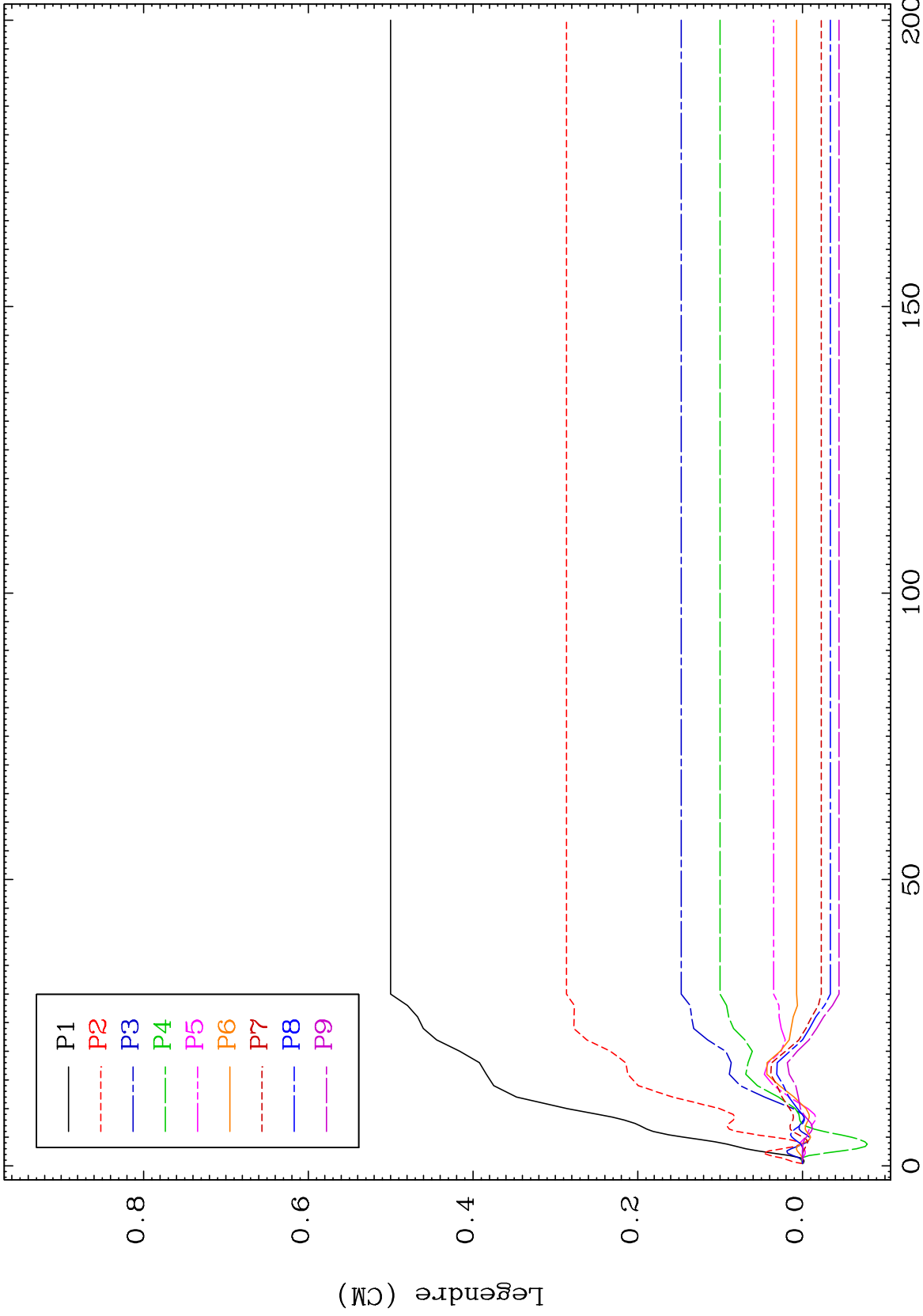
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MAT 5749

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

57-La-146



48

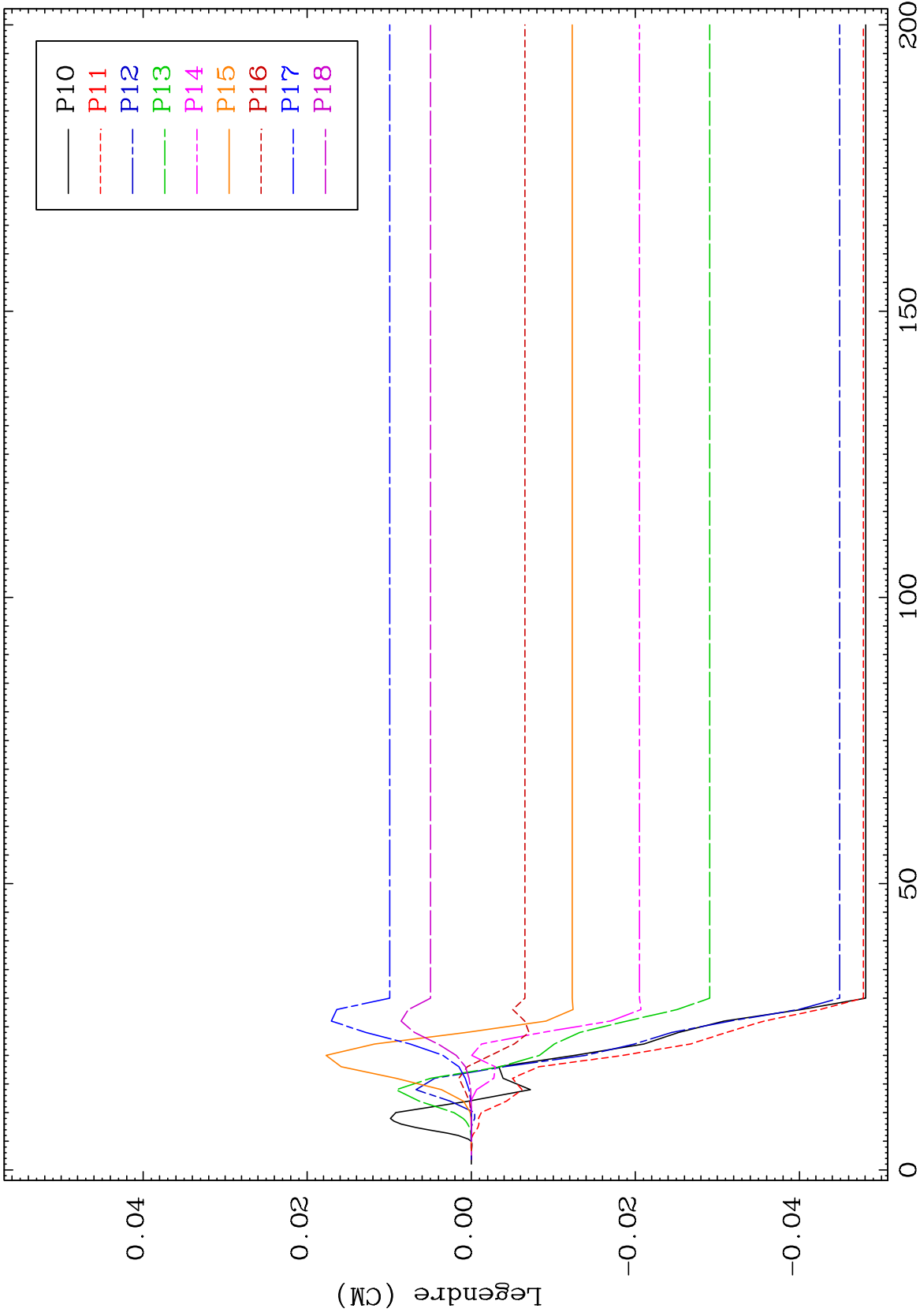
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



49

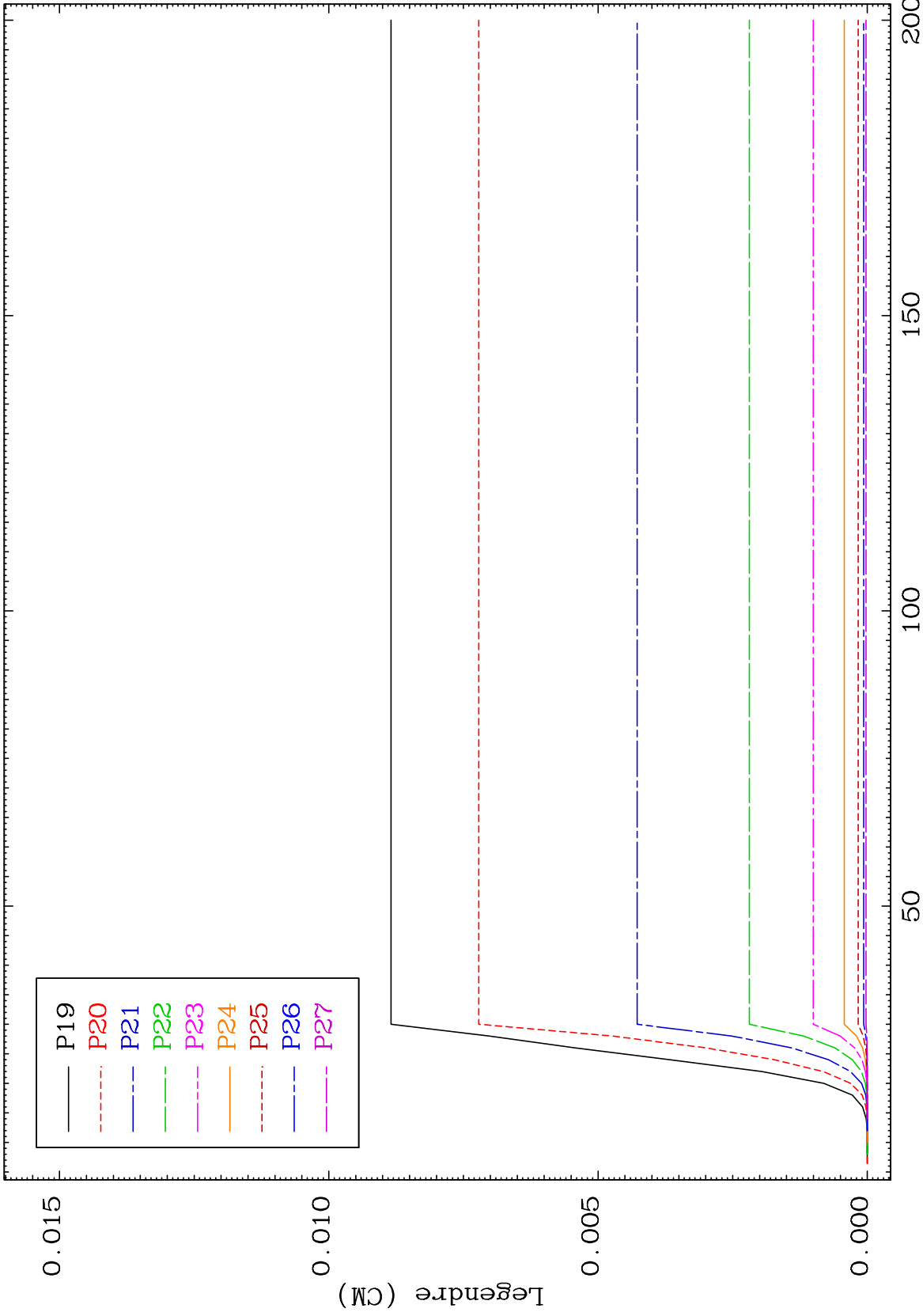
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



50

50

100

150

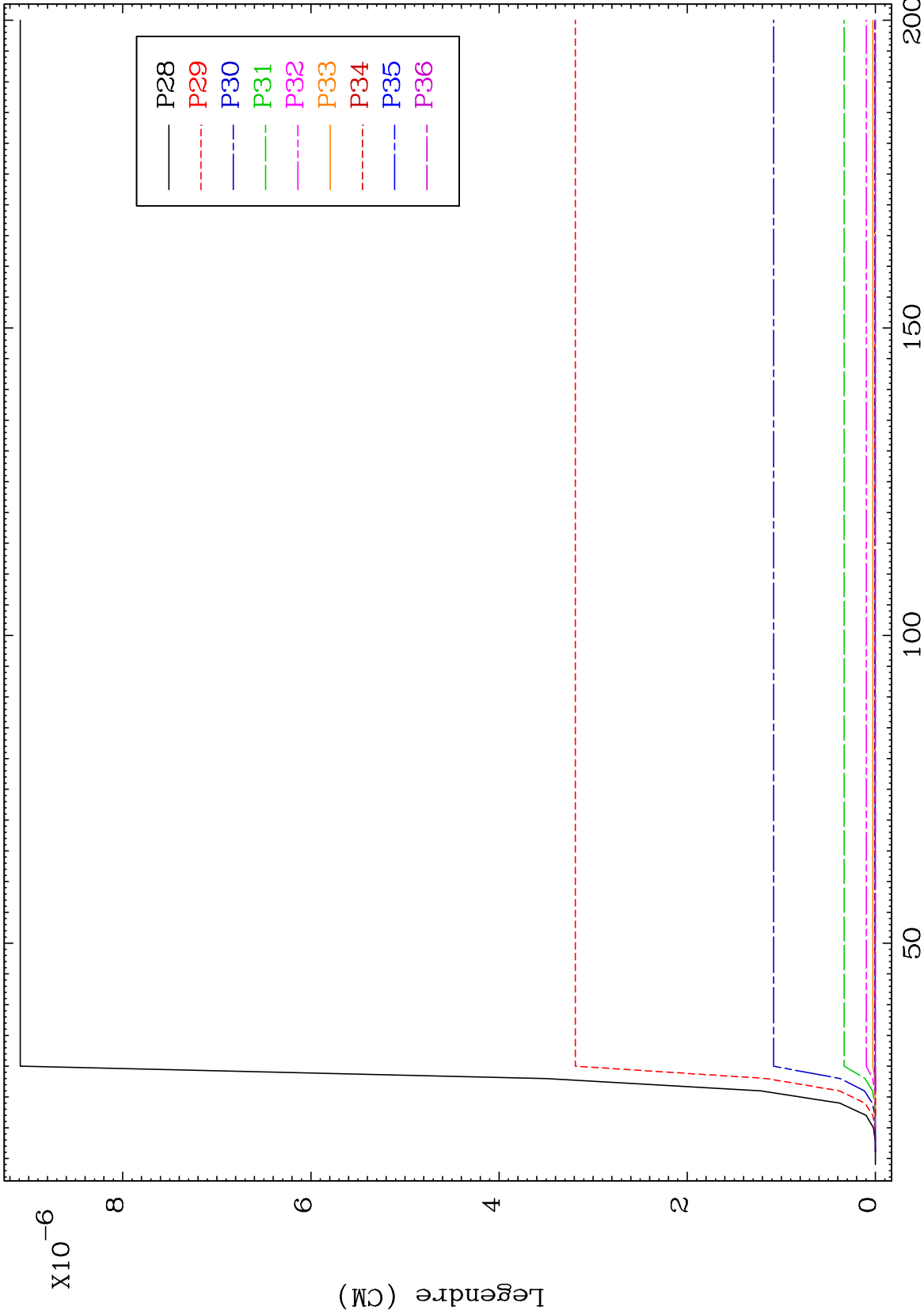
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57-La-146

MAT 5749

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

57-La-146



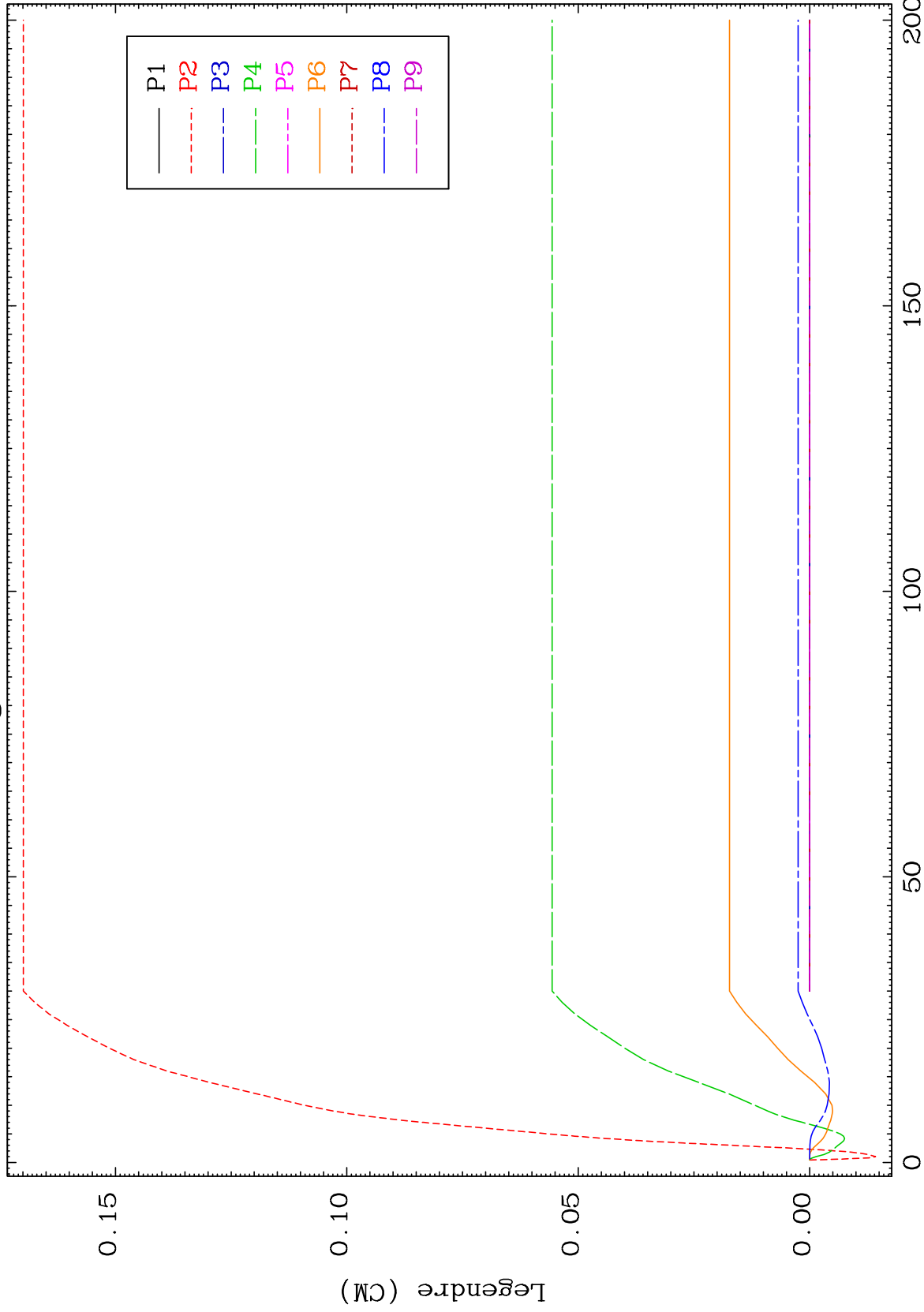
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57-La-146

MAT 5749

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

57-La-146



52

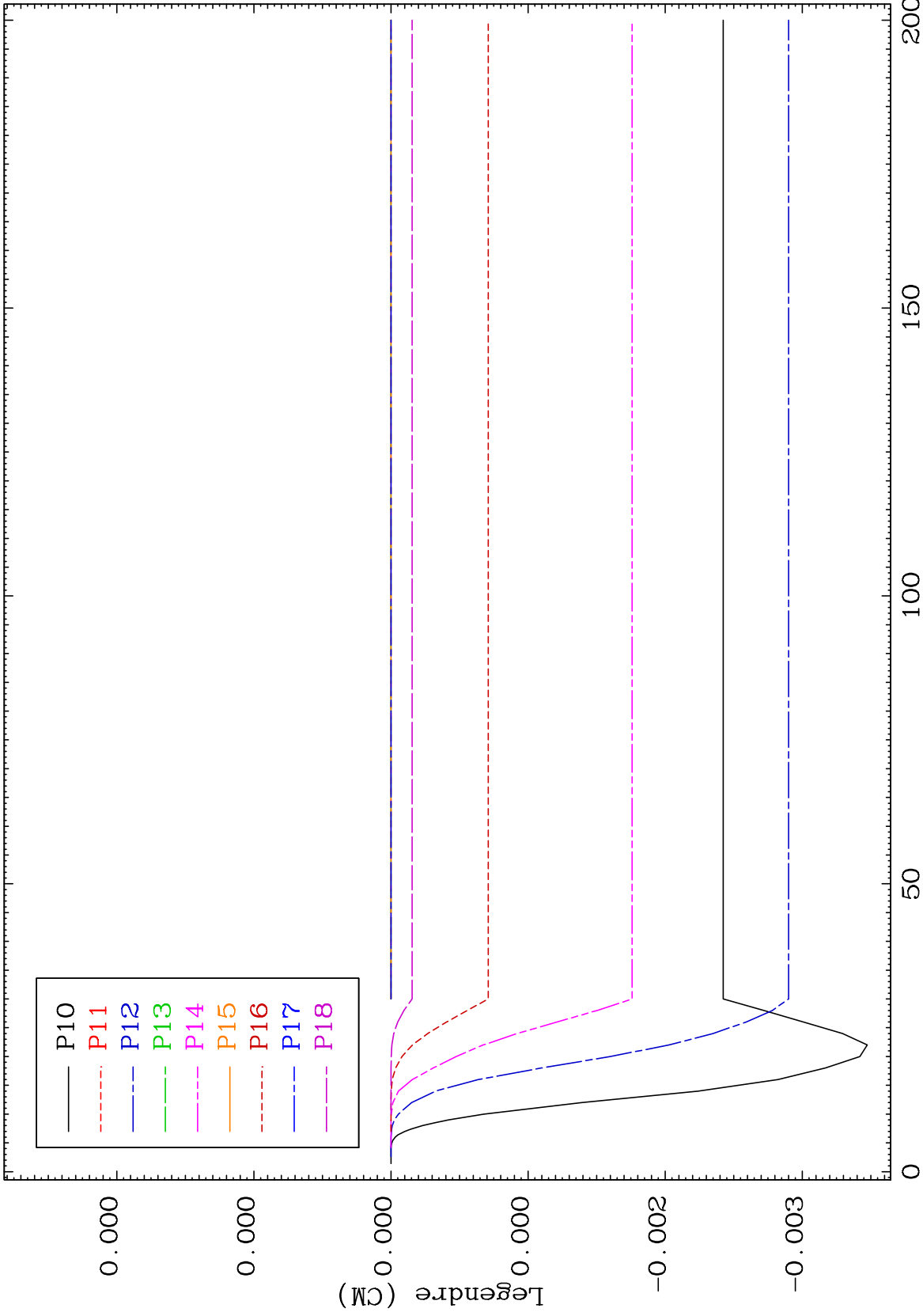
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



53

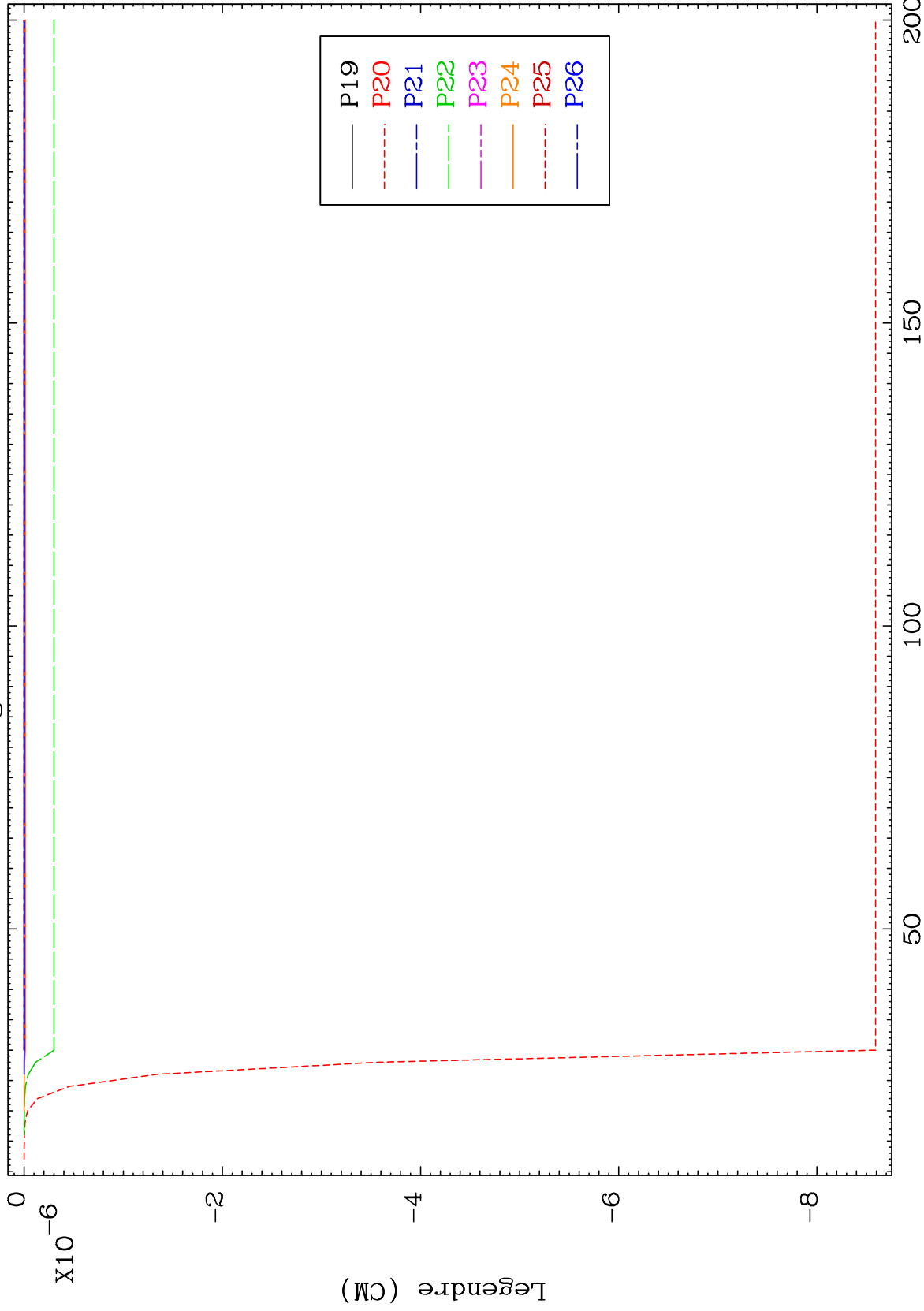
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



54

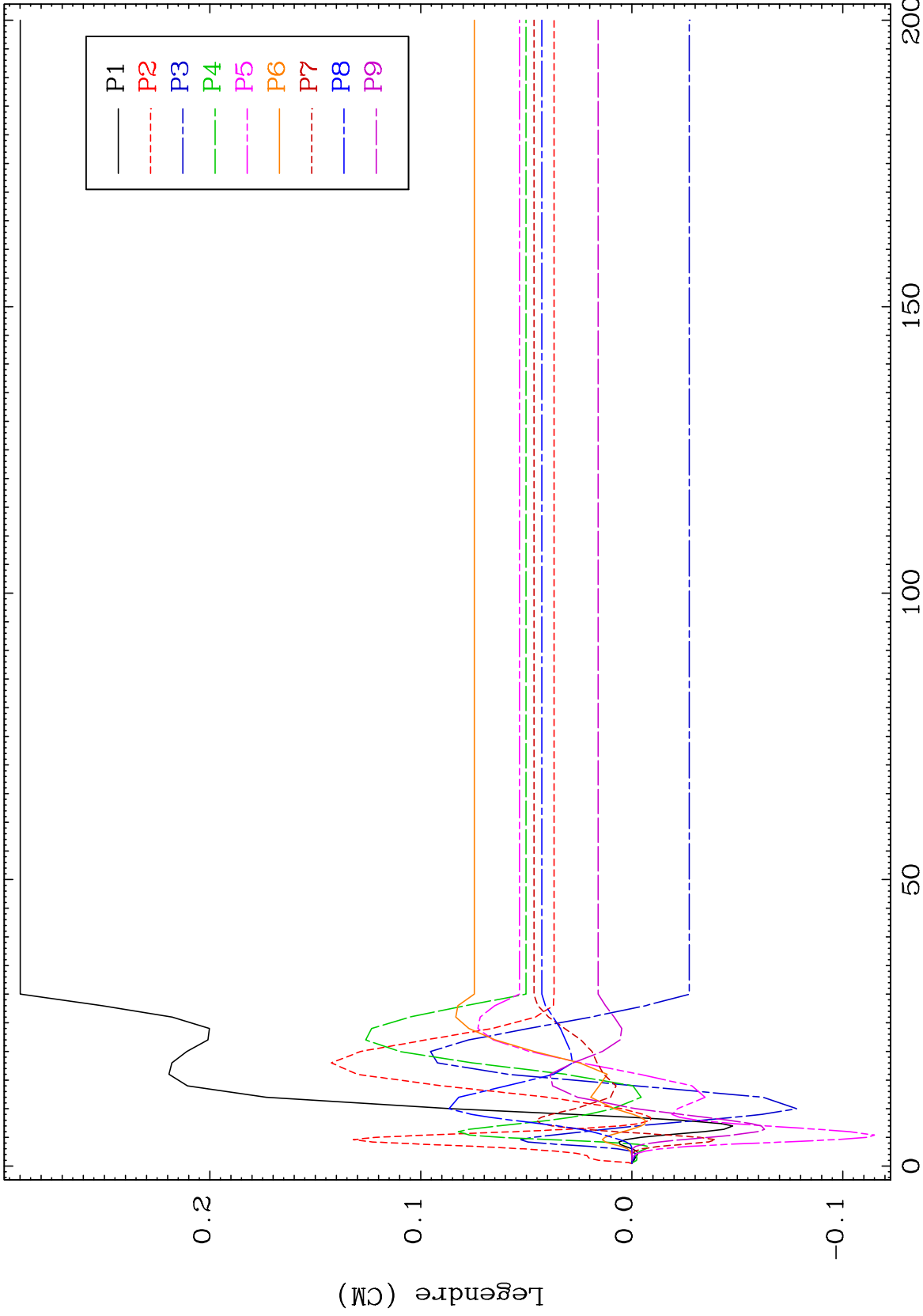
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



55

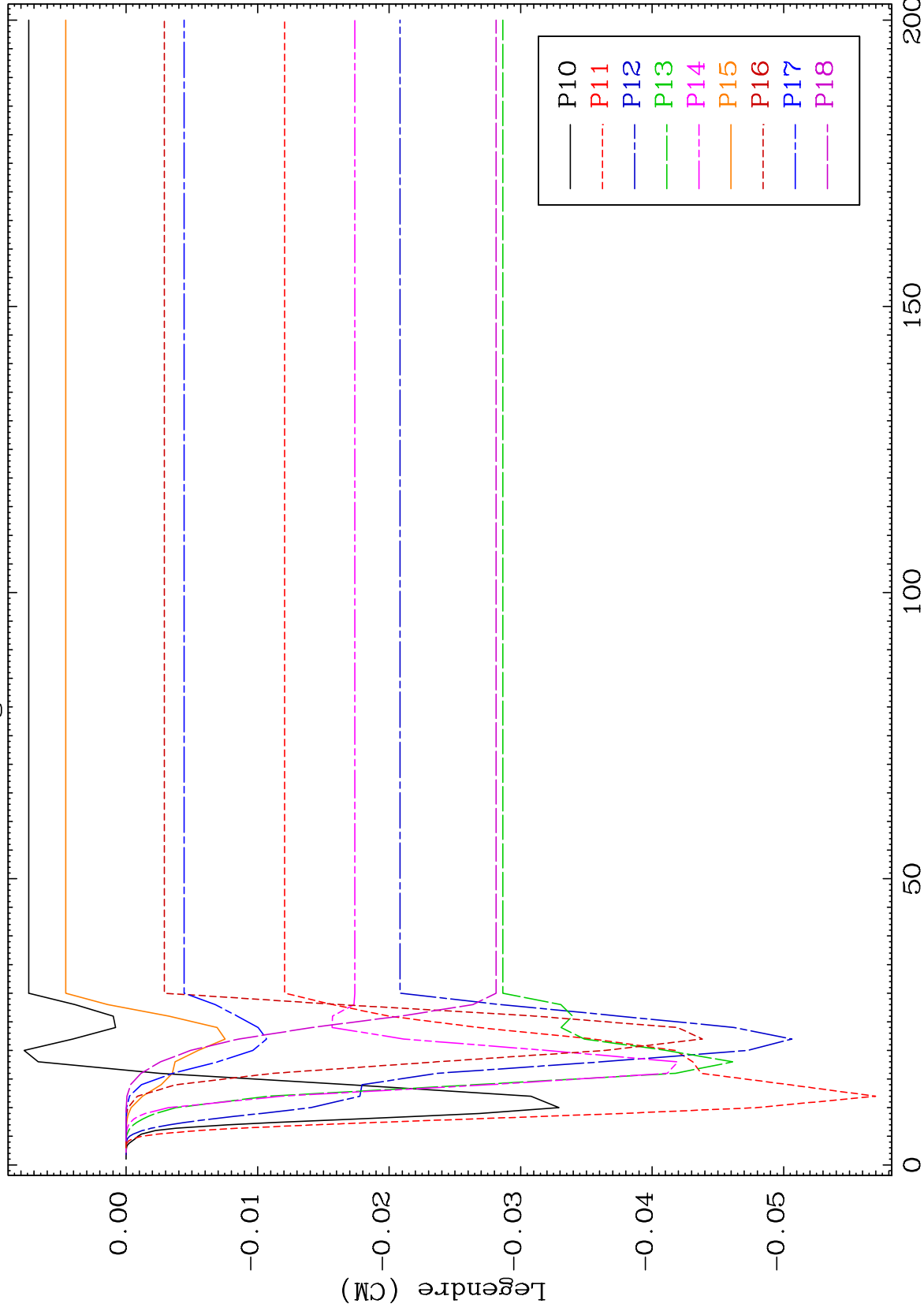
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



56

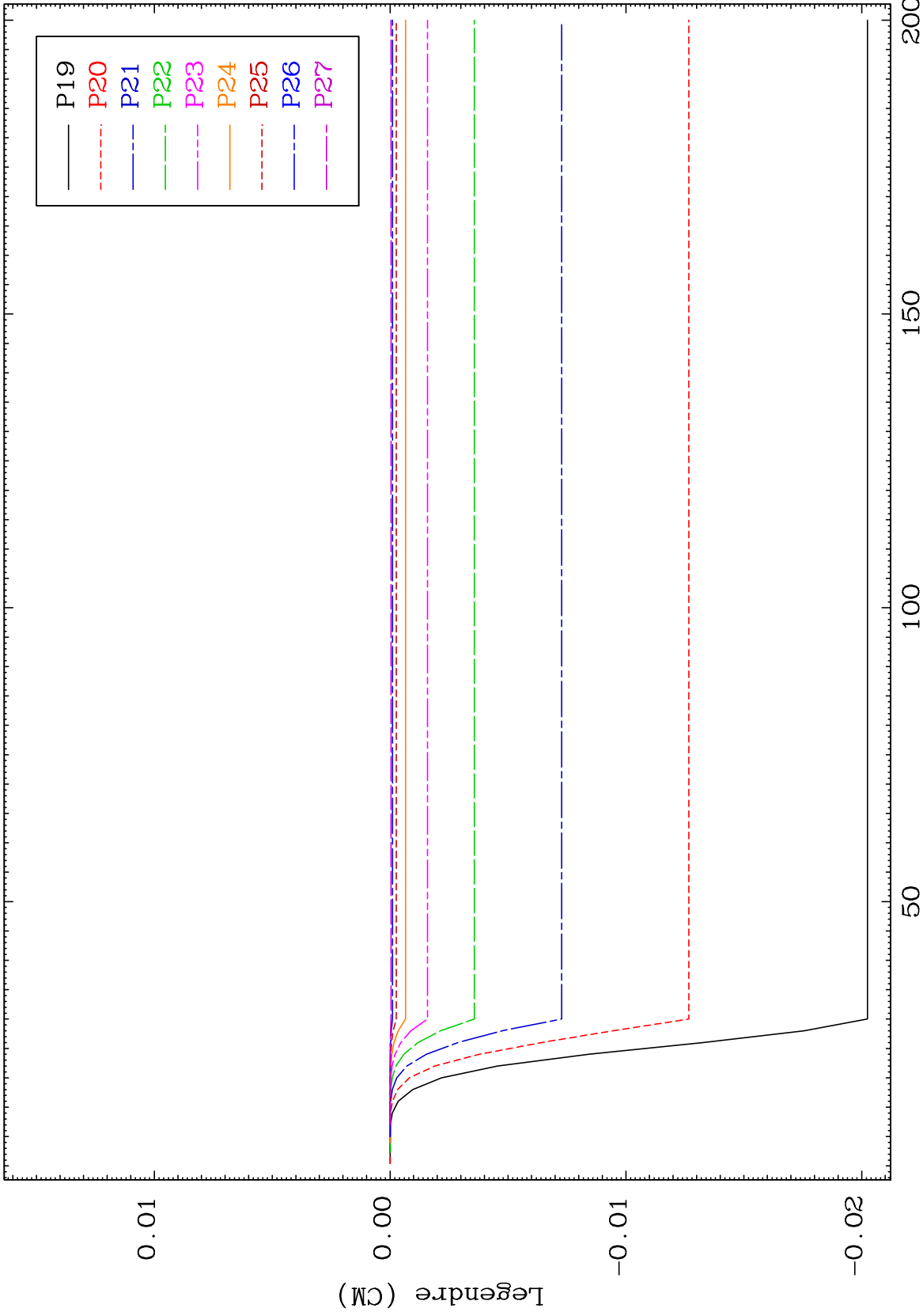
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



57

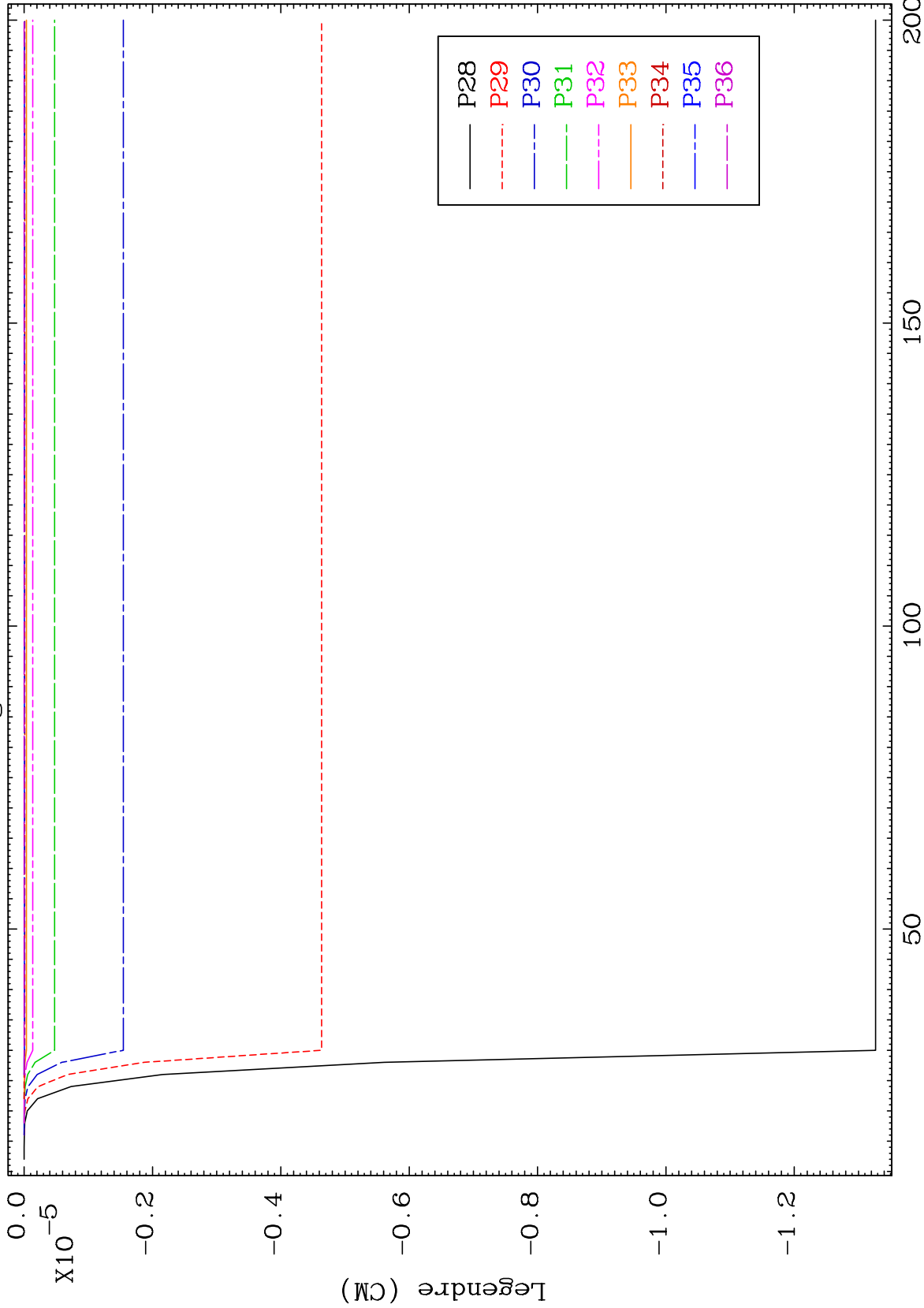
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



58

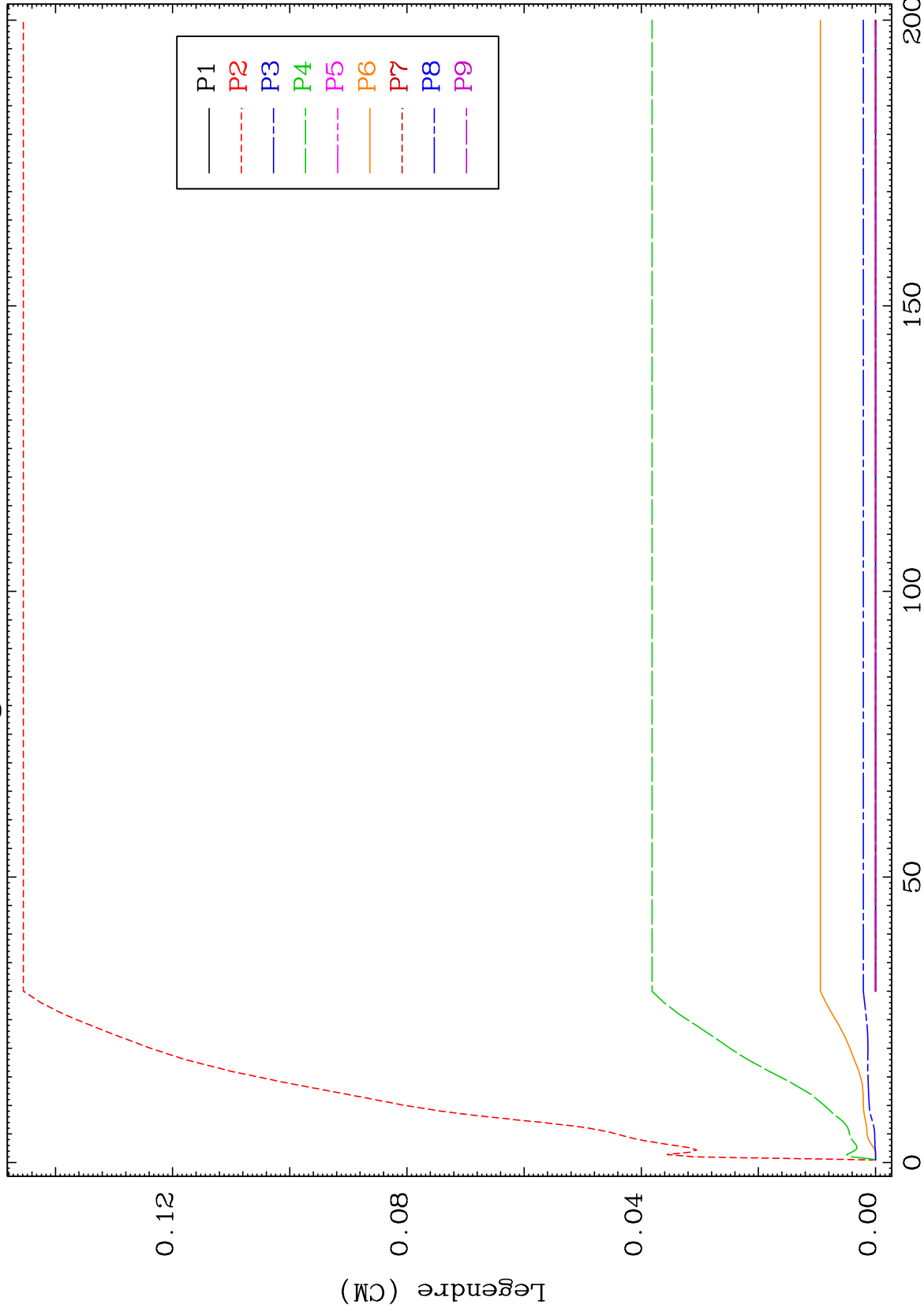
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



59

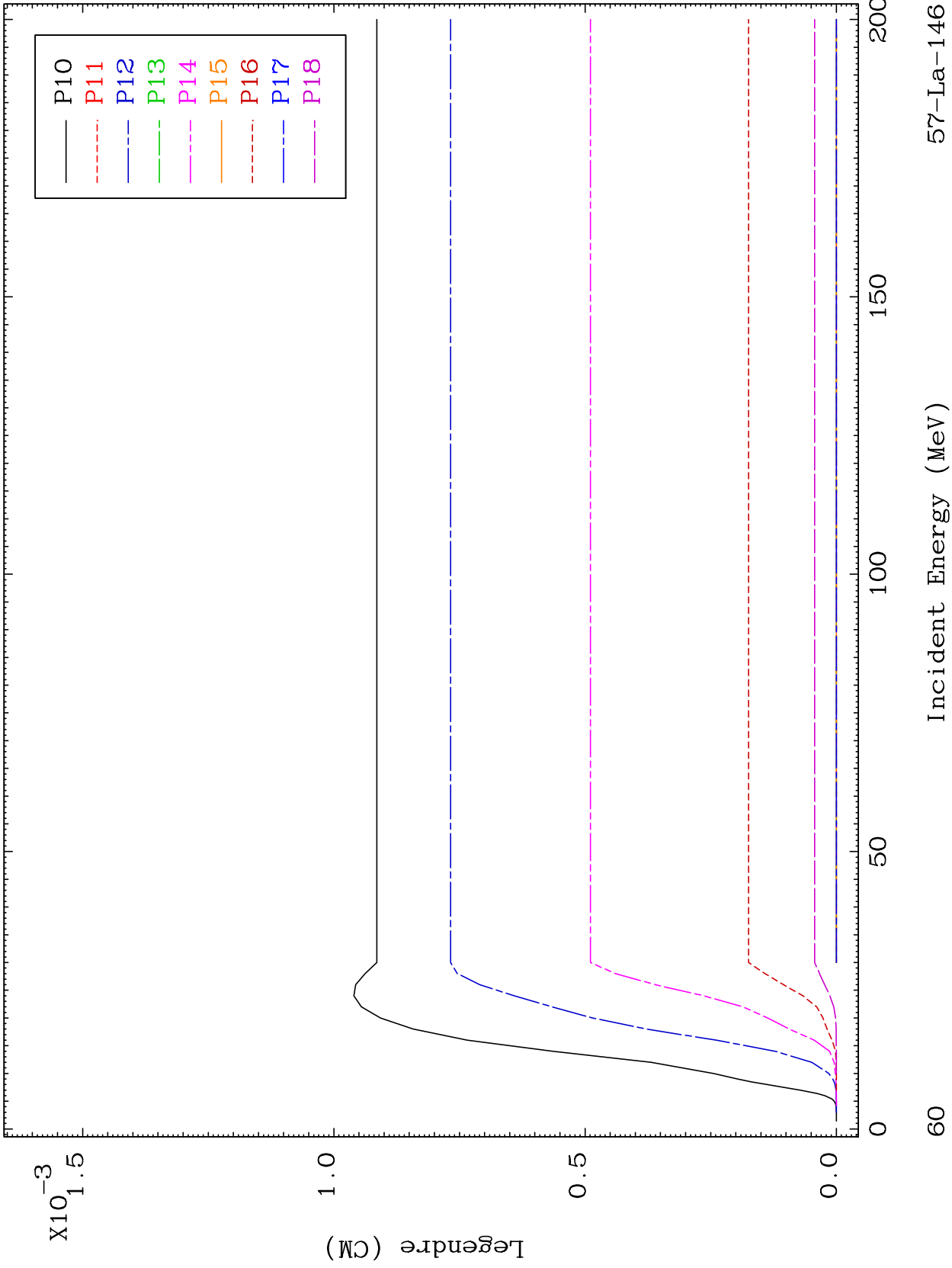
Incident Energy (MeV)

57-La-146

MAT 5749

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

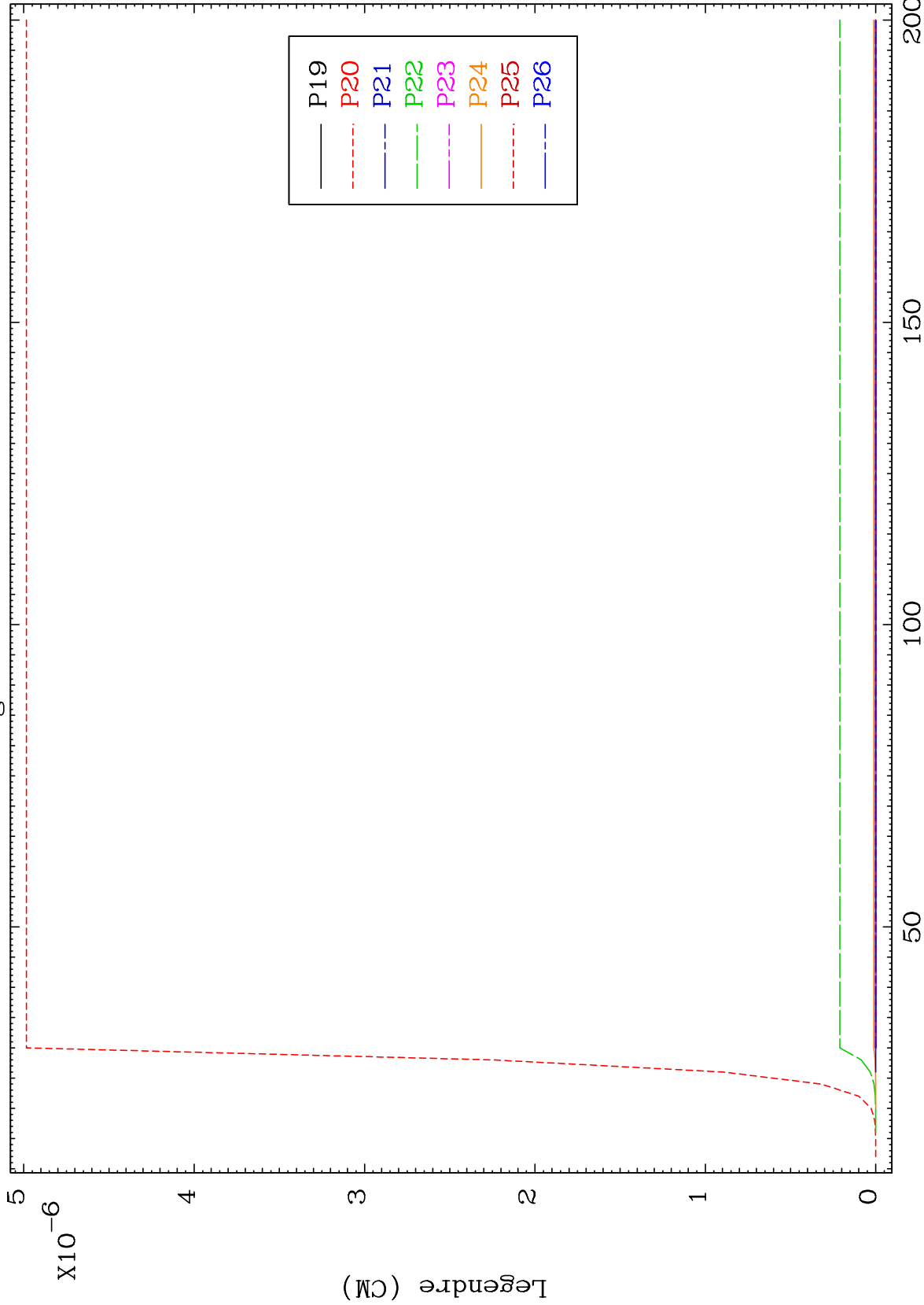
57-La-146



MAT 5749

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

57-La-146



61

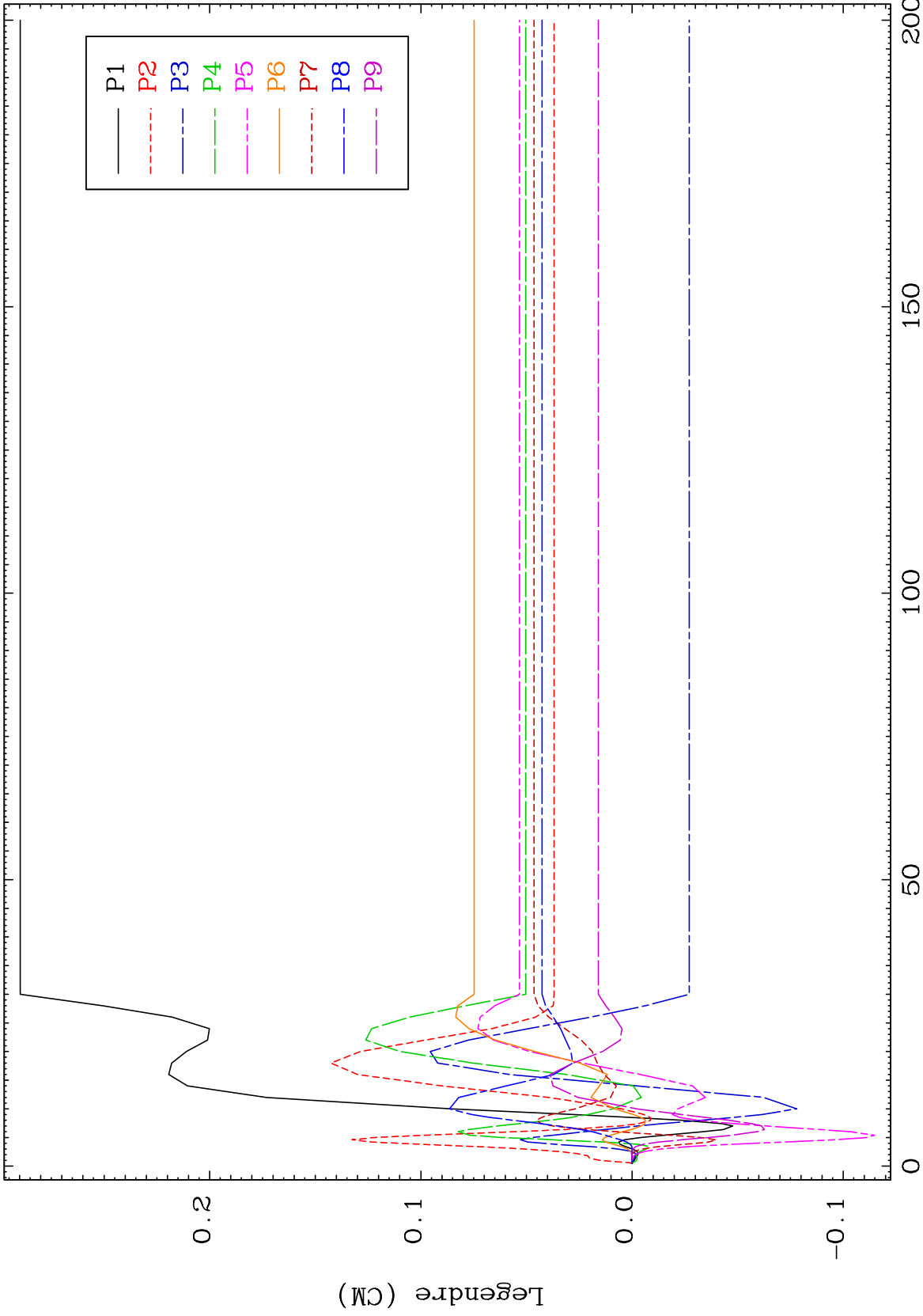
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



62

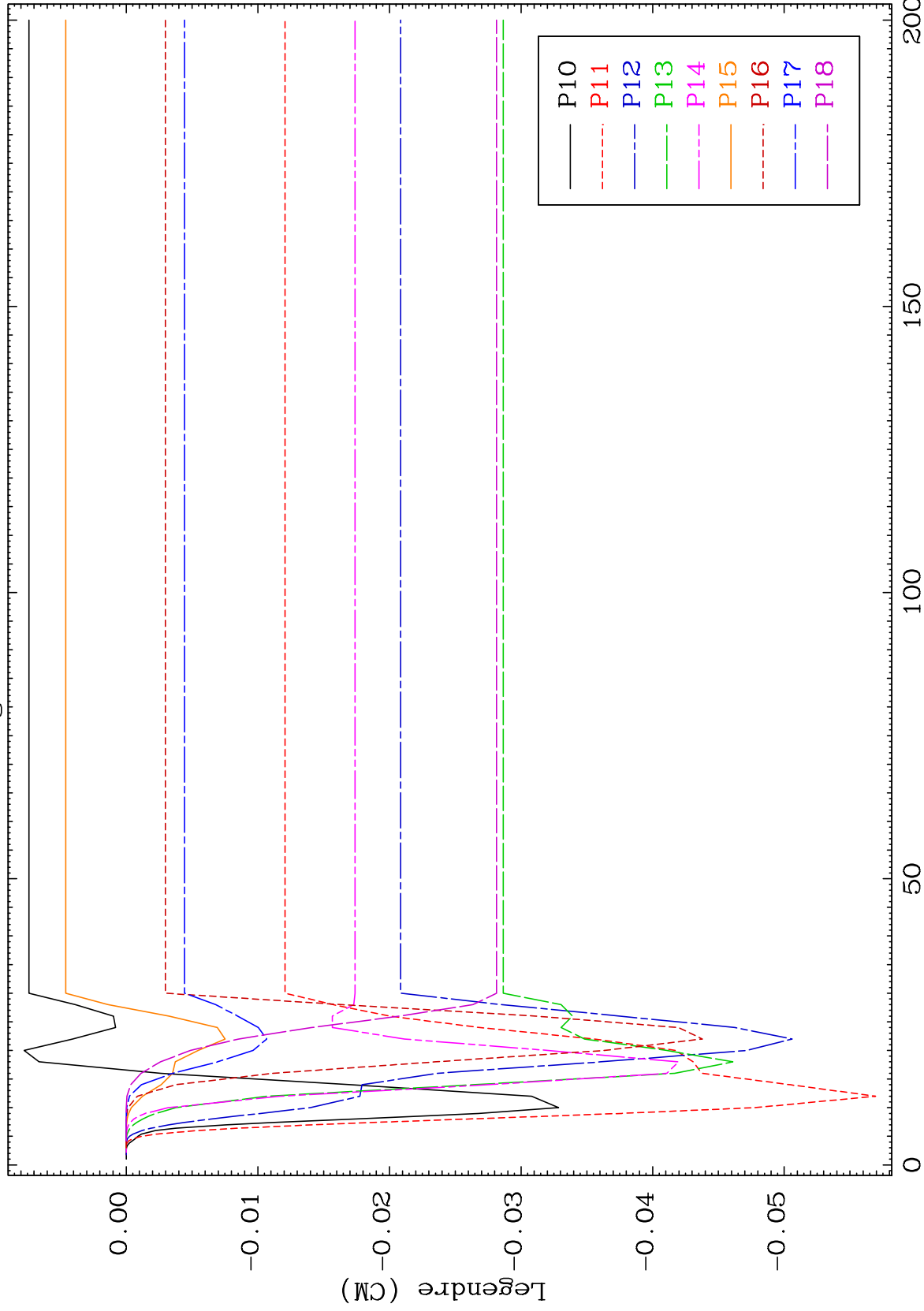
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



63

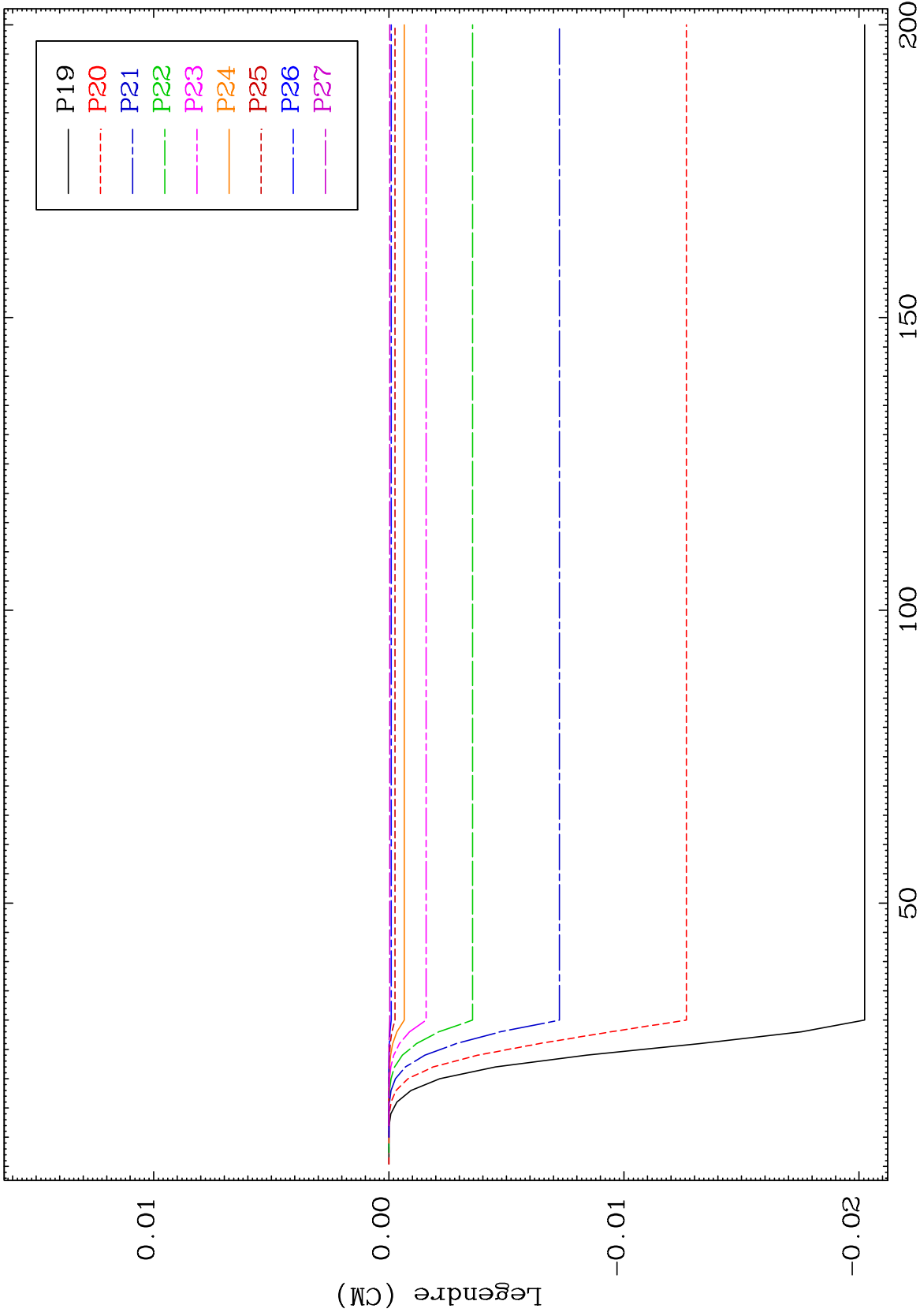
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



64

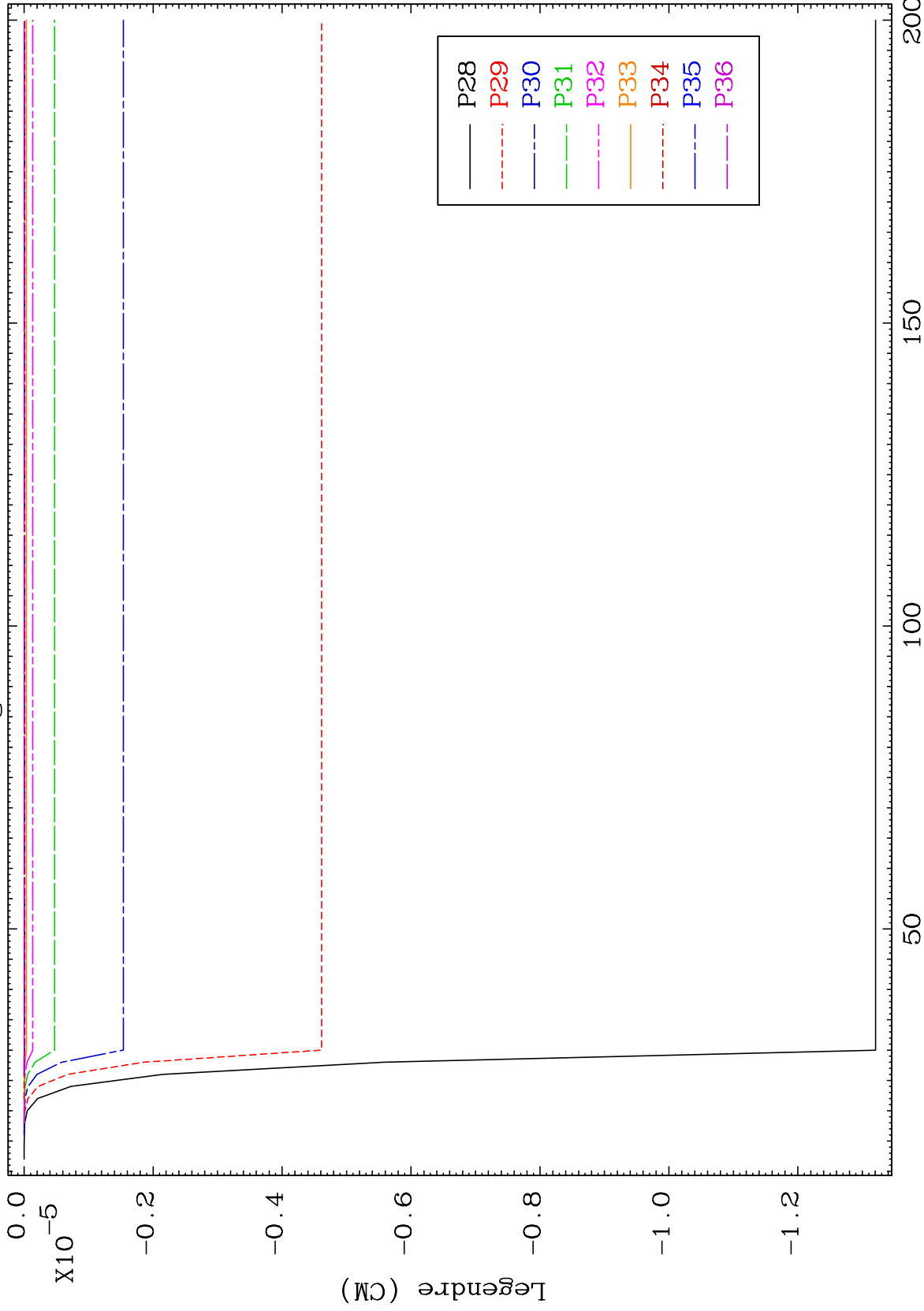
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



65

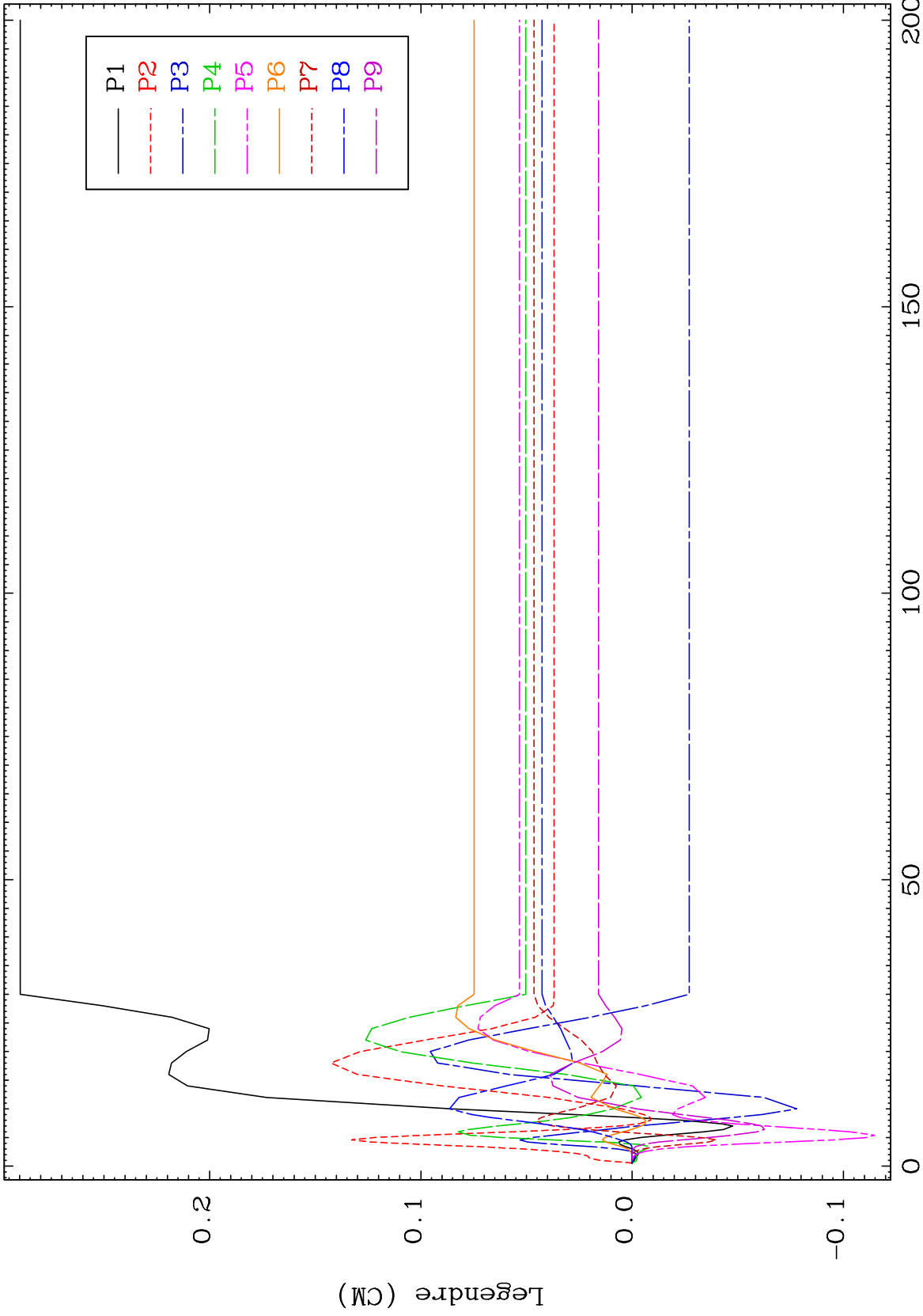
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



66

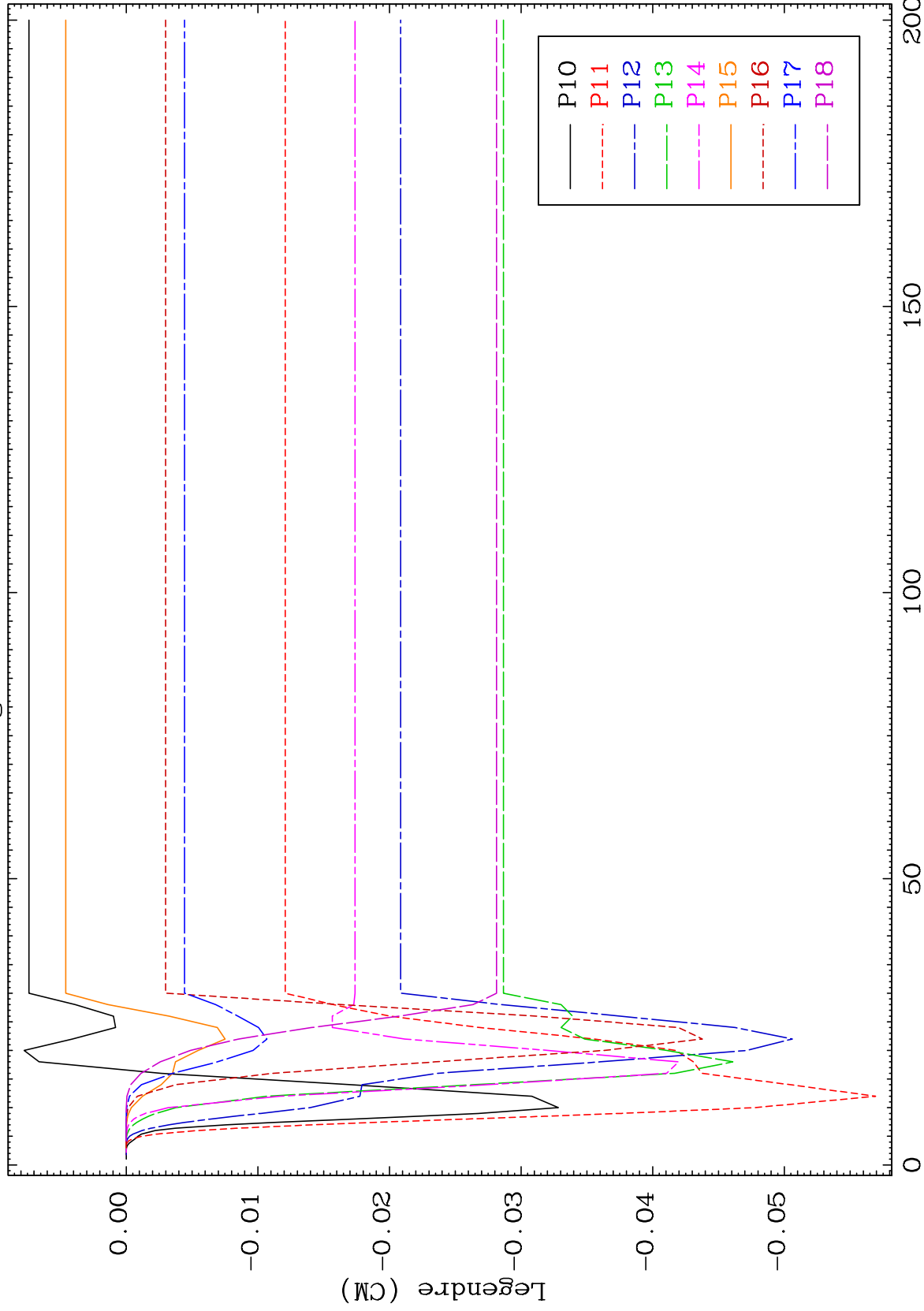
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



67

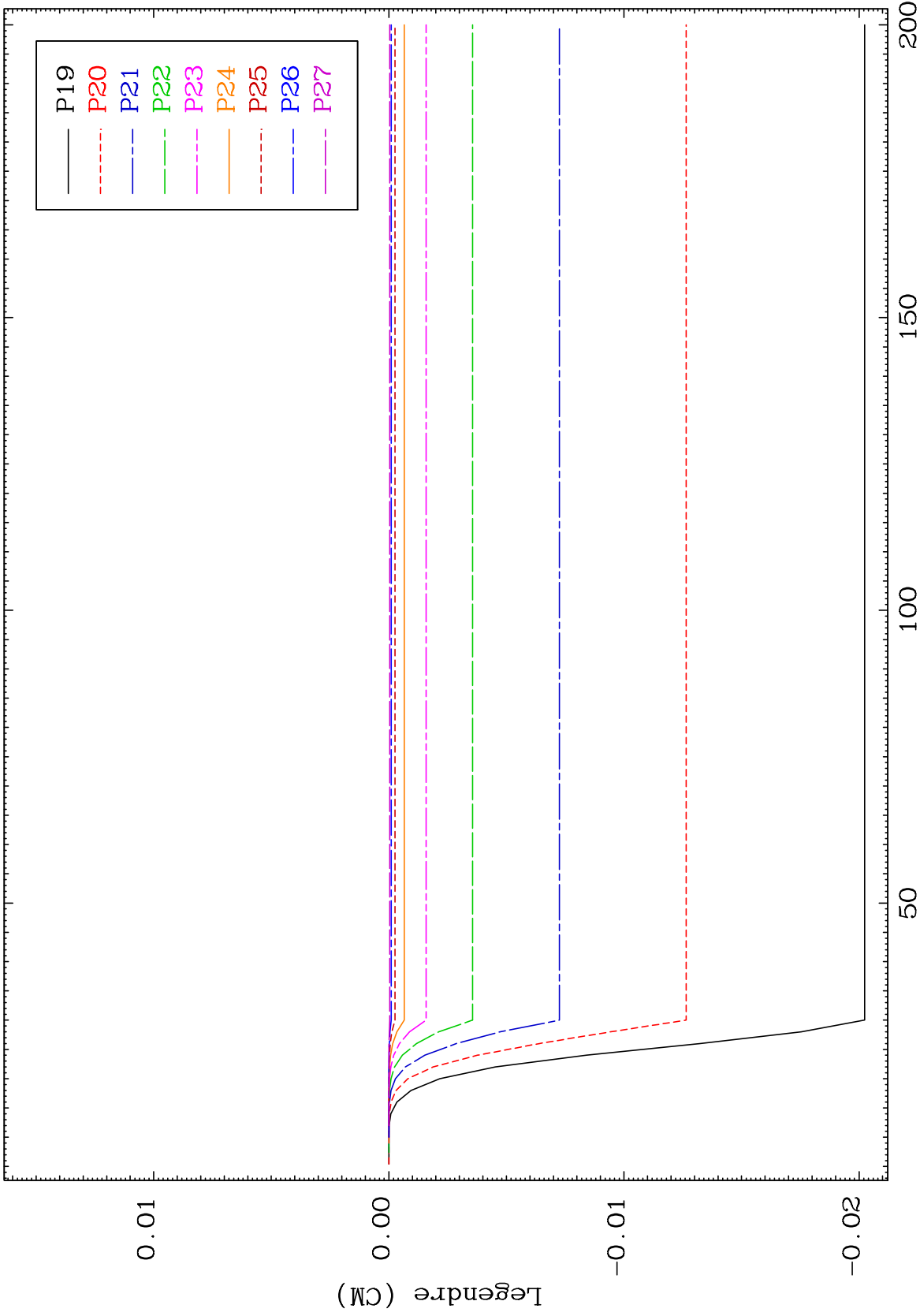
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



68

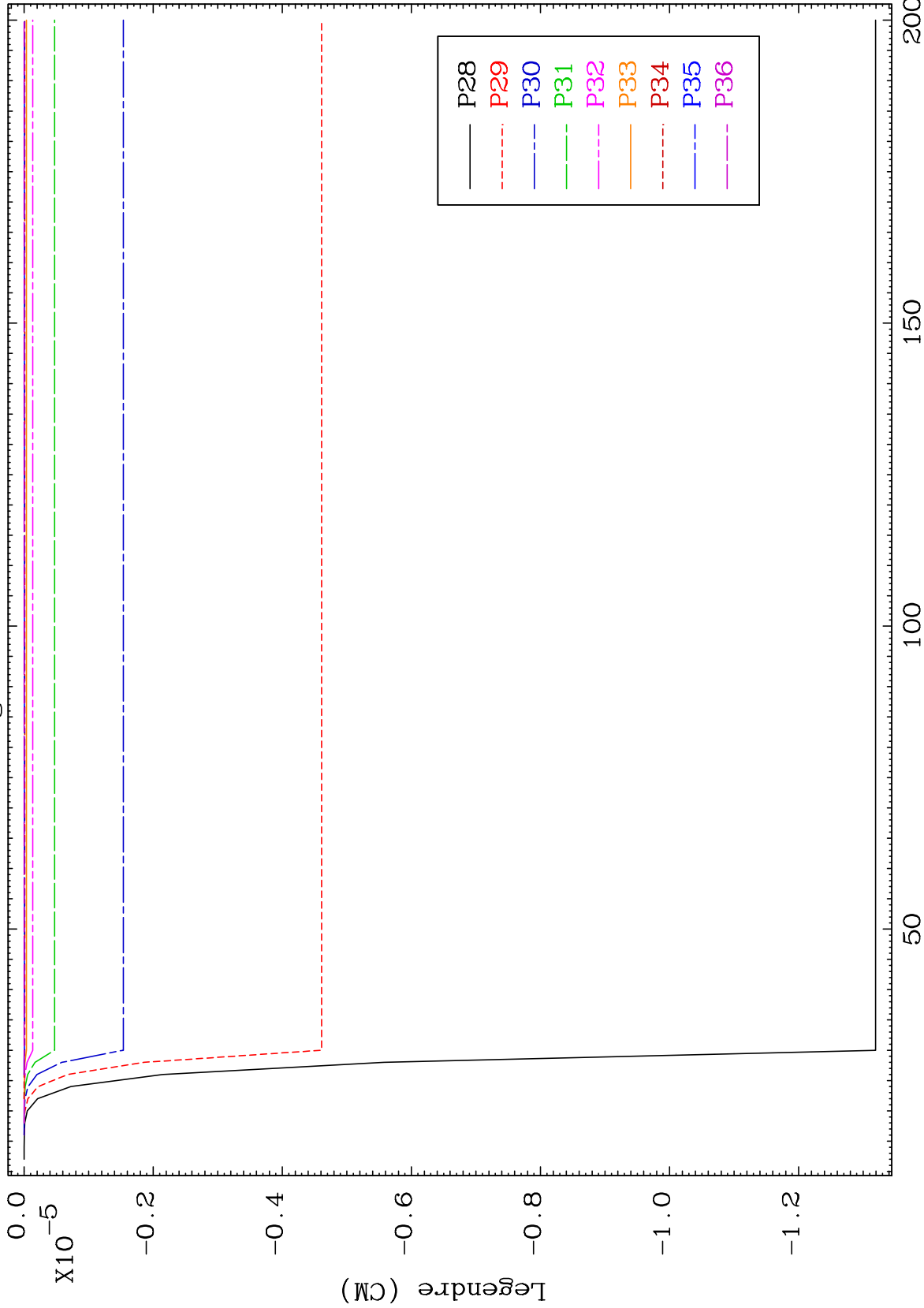
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



69

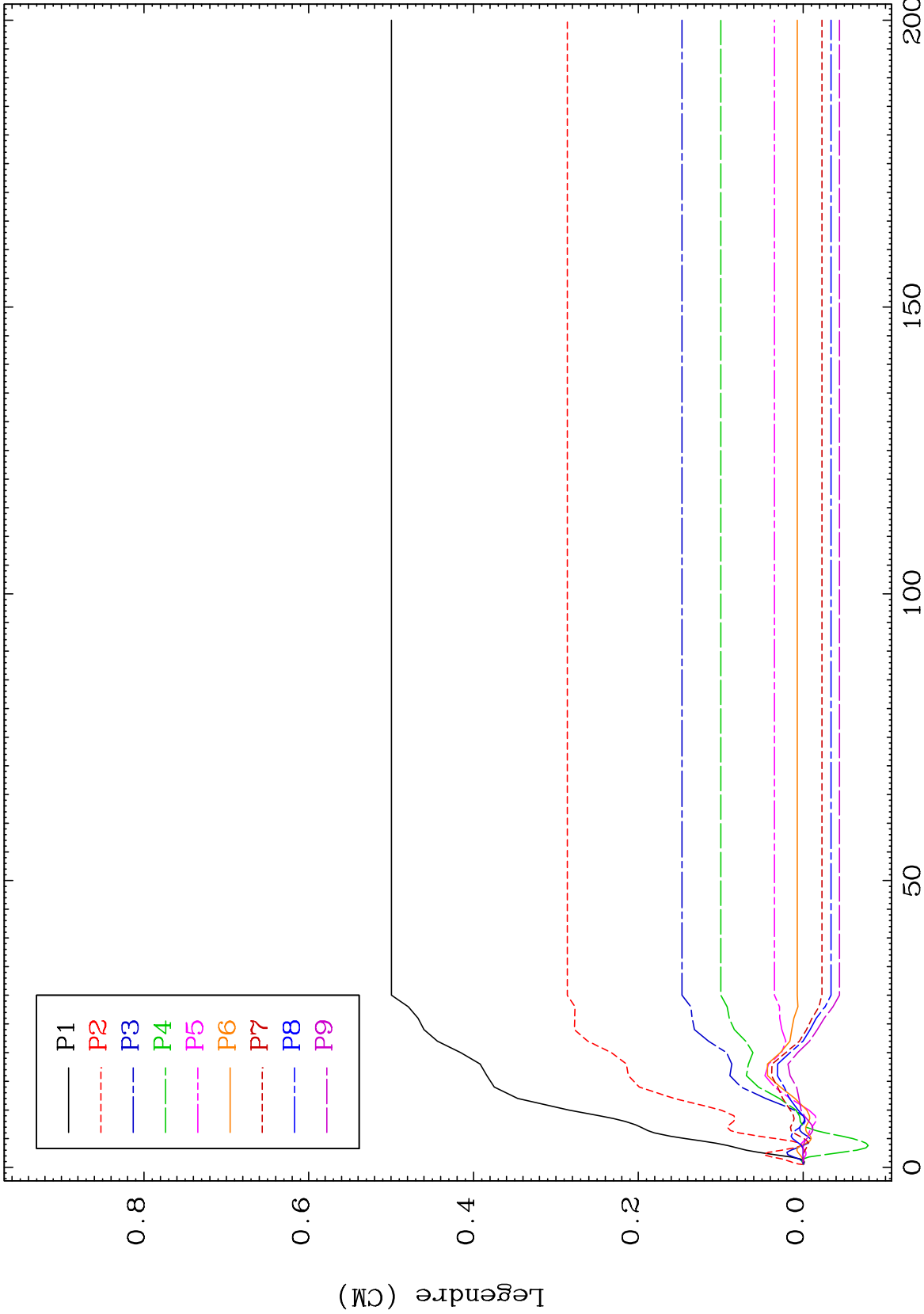
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



0

50

100

150

200

57-La-146

Incident Energy (MeV)

Legendre (CM)

0.8

0.6

0.4

0.2

0.0

P1

P2

P3

P4

P5

P6

P7

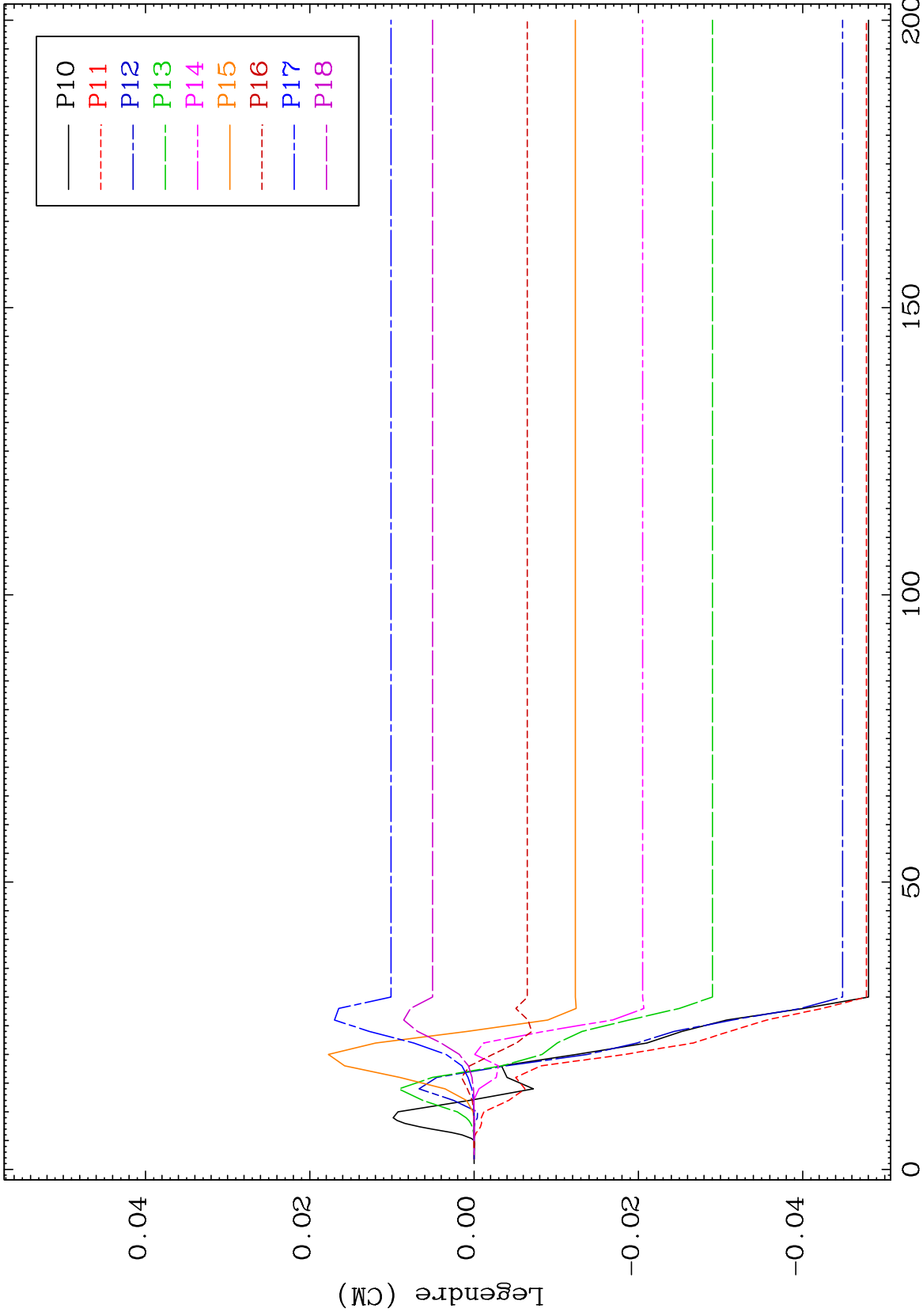
P8

P9

MAT 5749

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

57-La-146



71

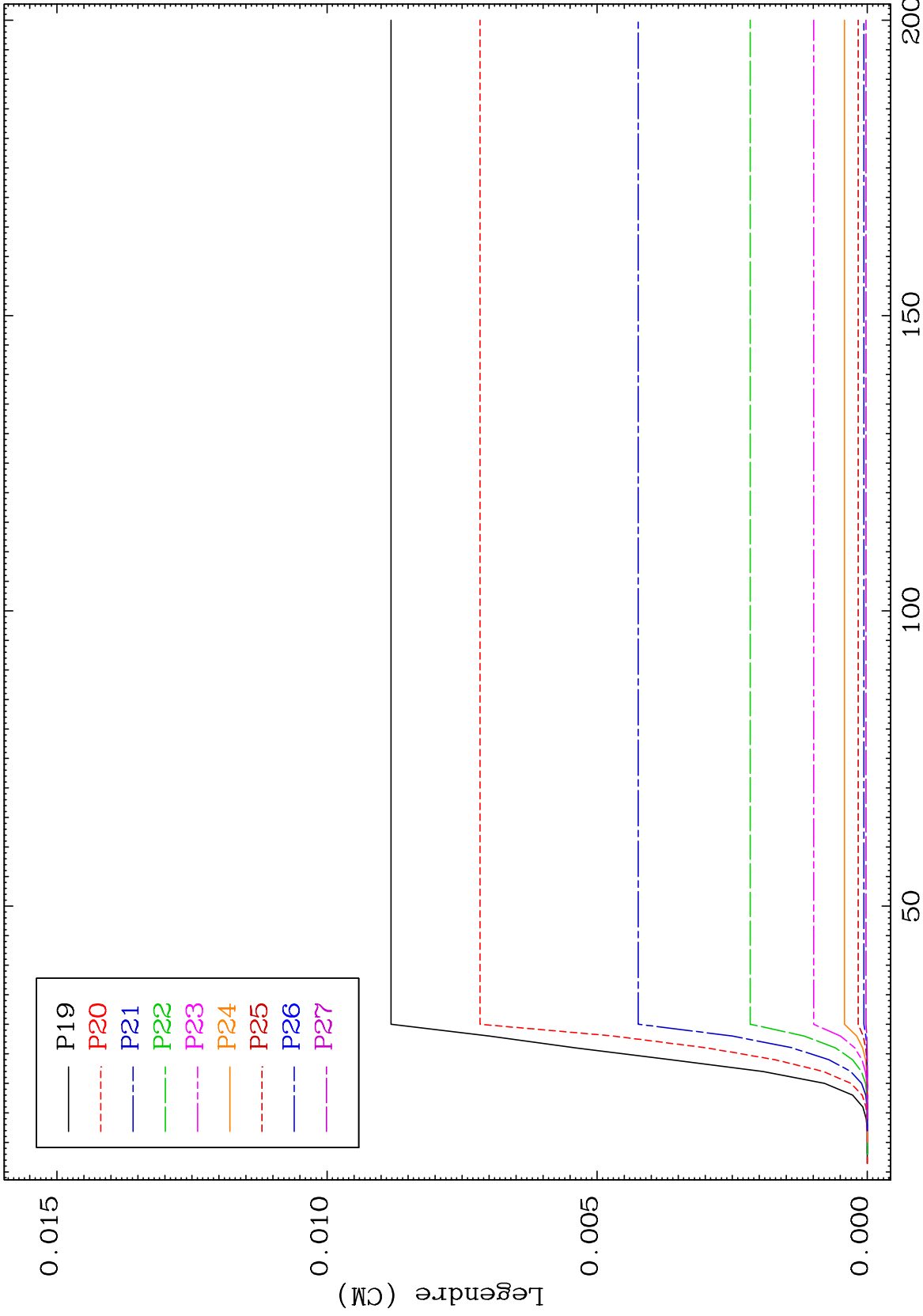
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



72

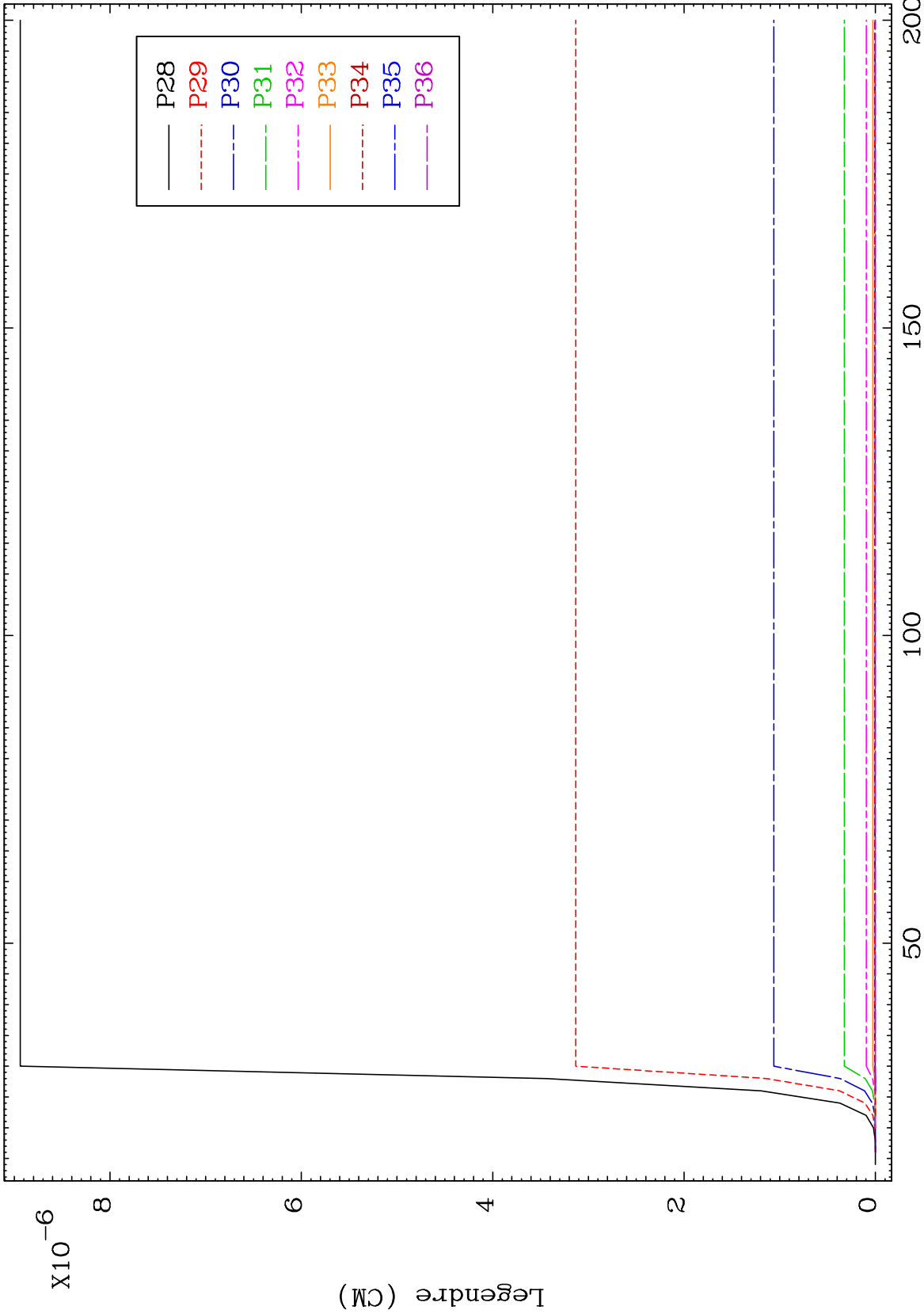
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



73

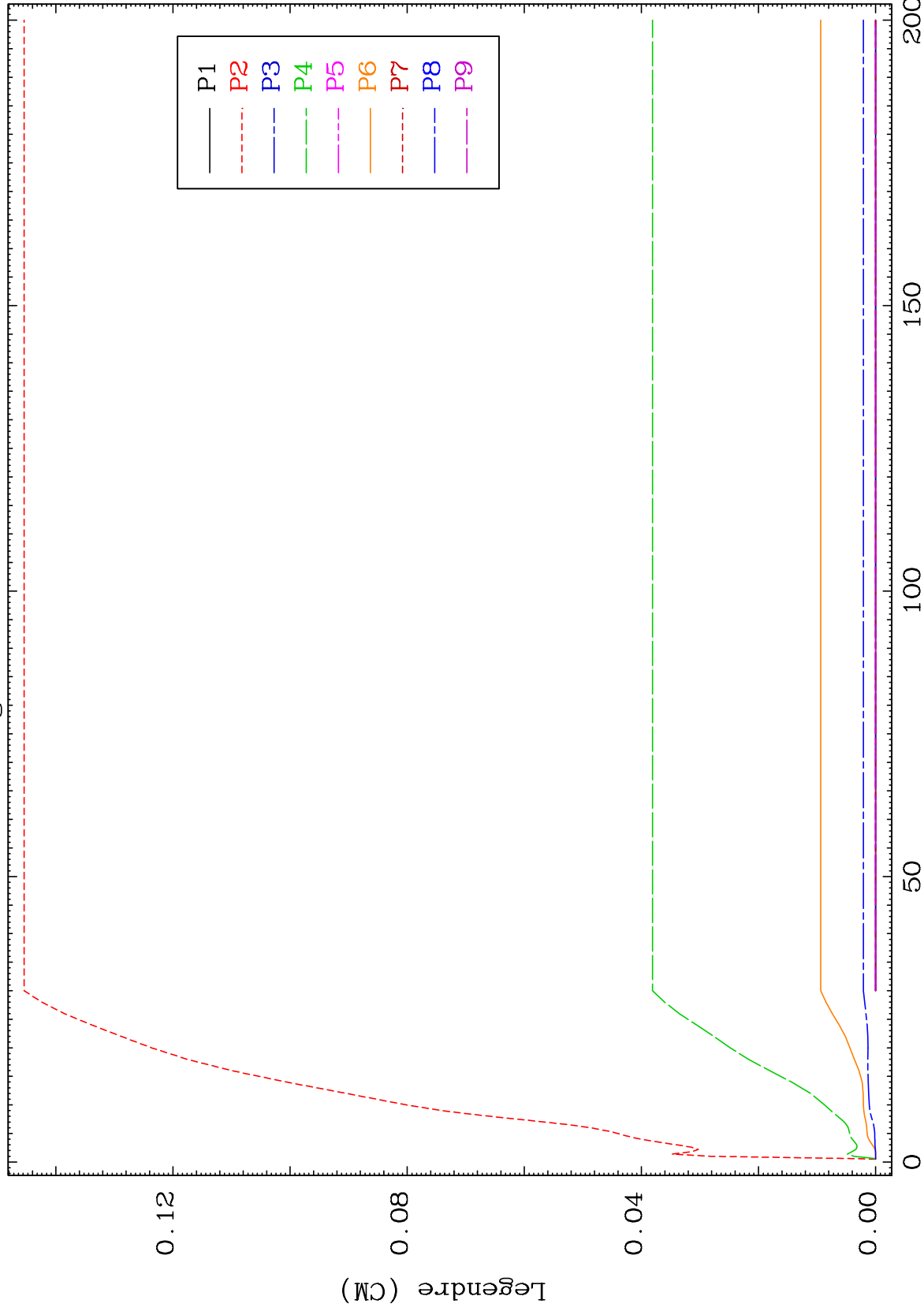
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



74

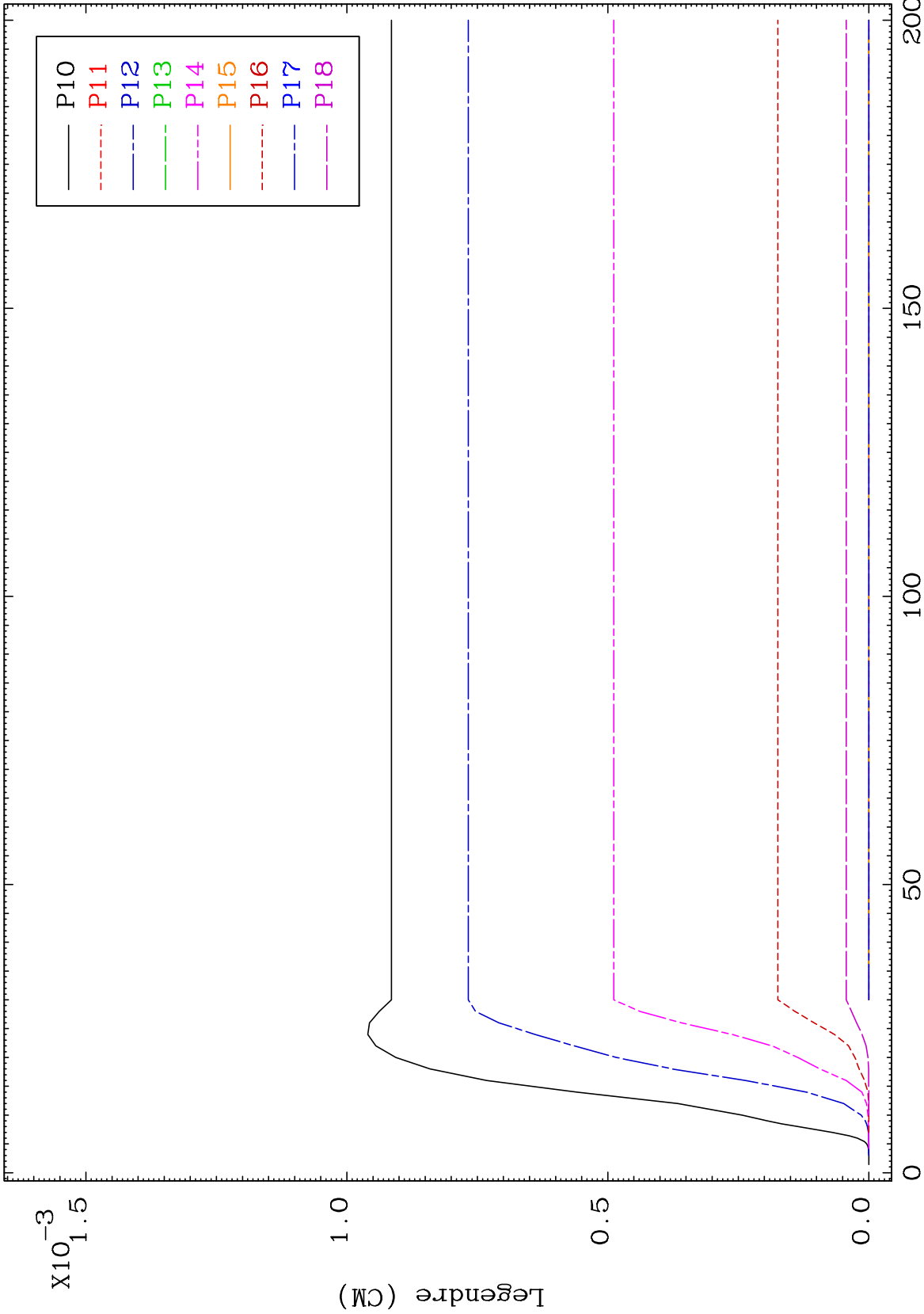
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



75

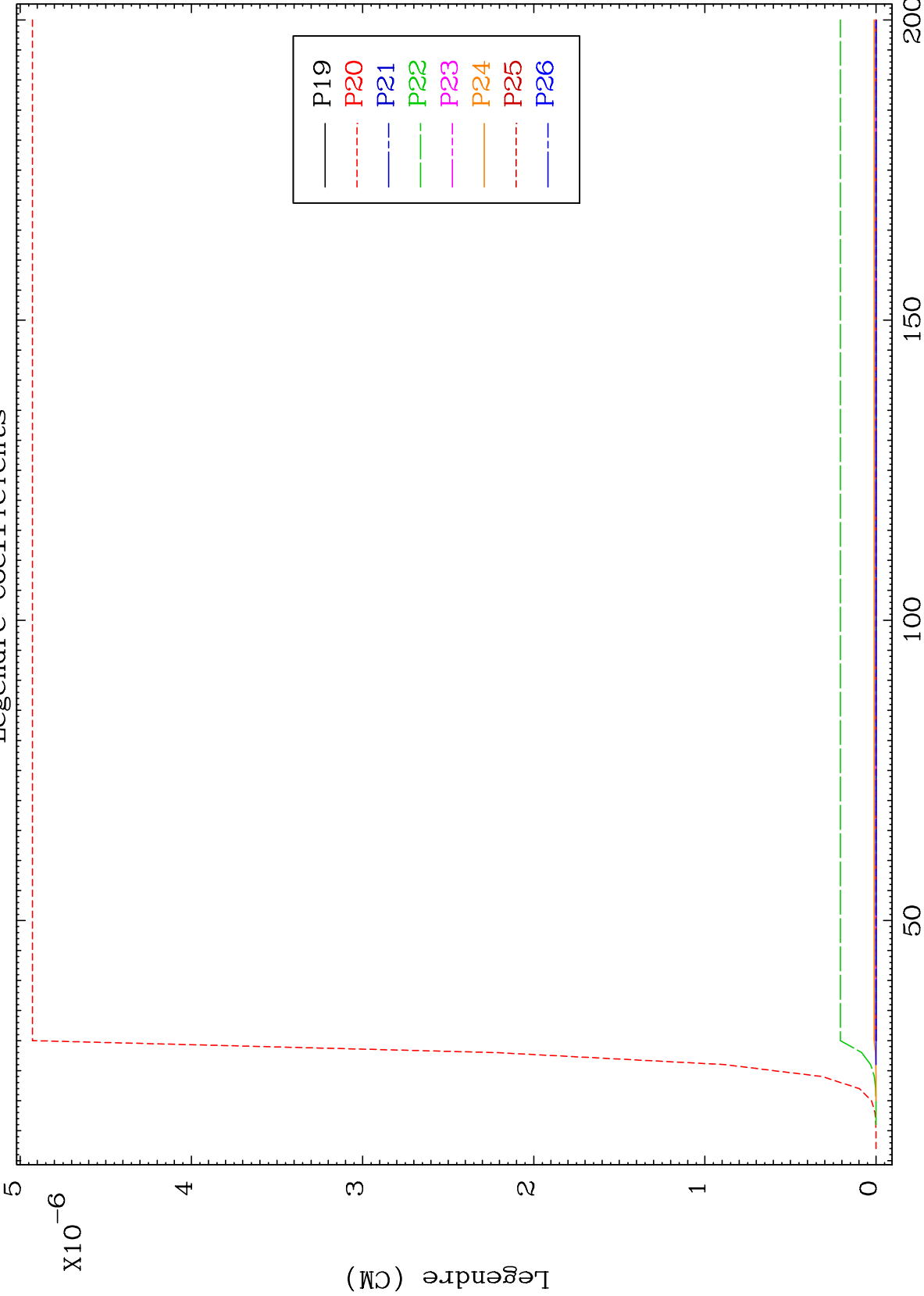
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



57-La-146

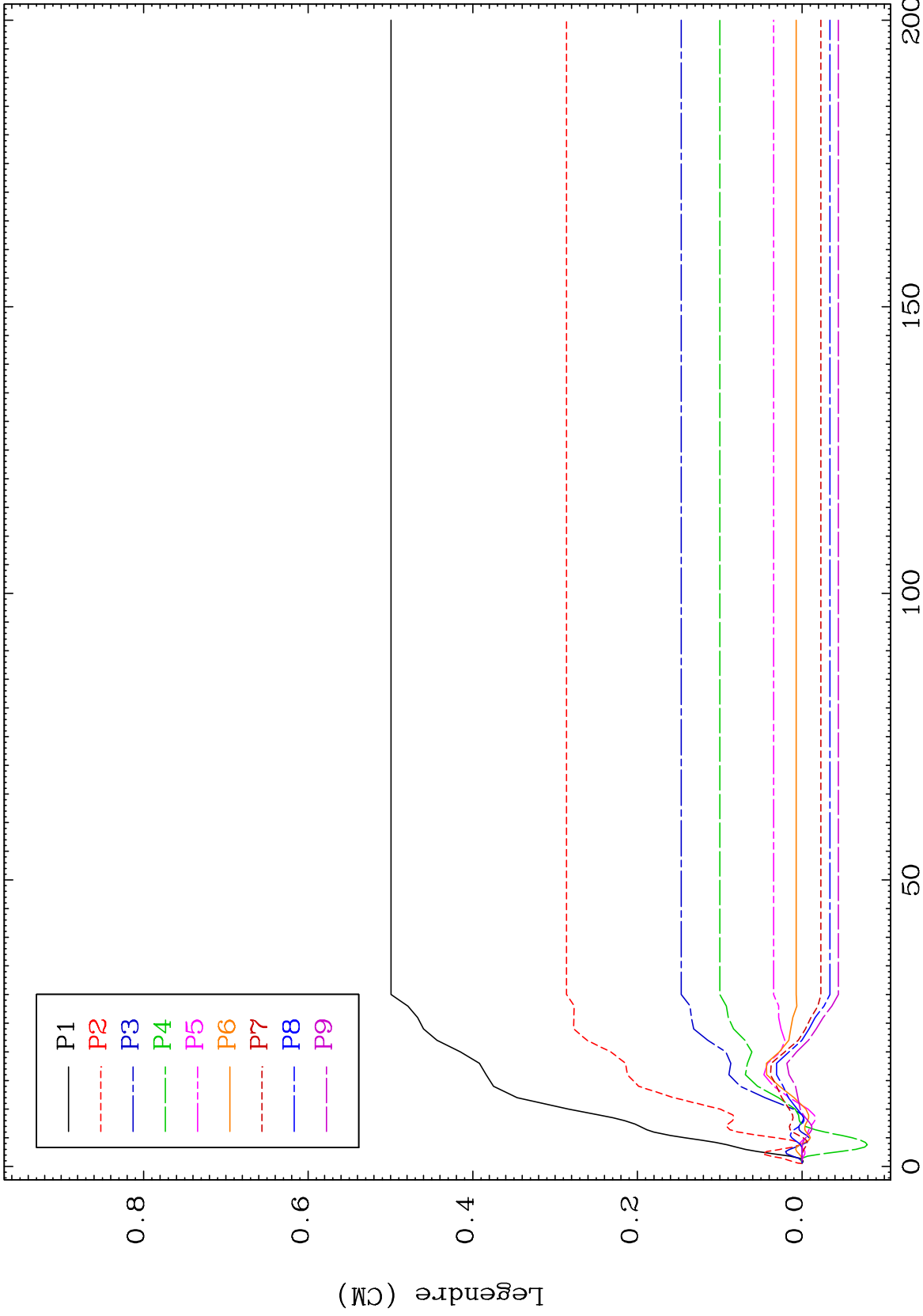
Incident Energy (MeV)

76

MAT 5749

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

57-La-146



77

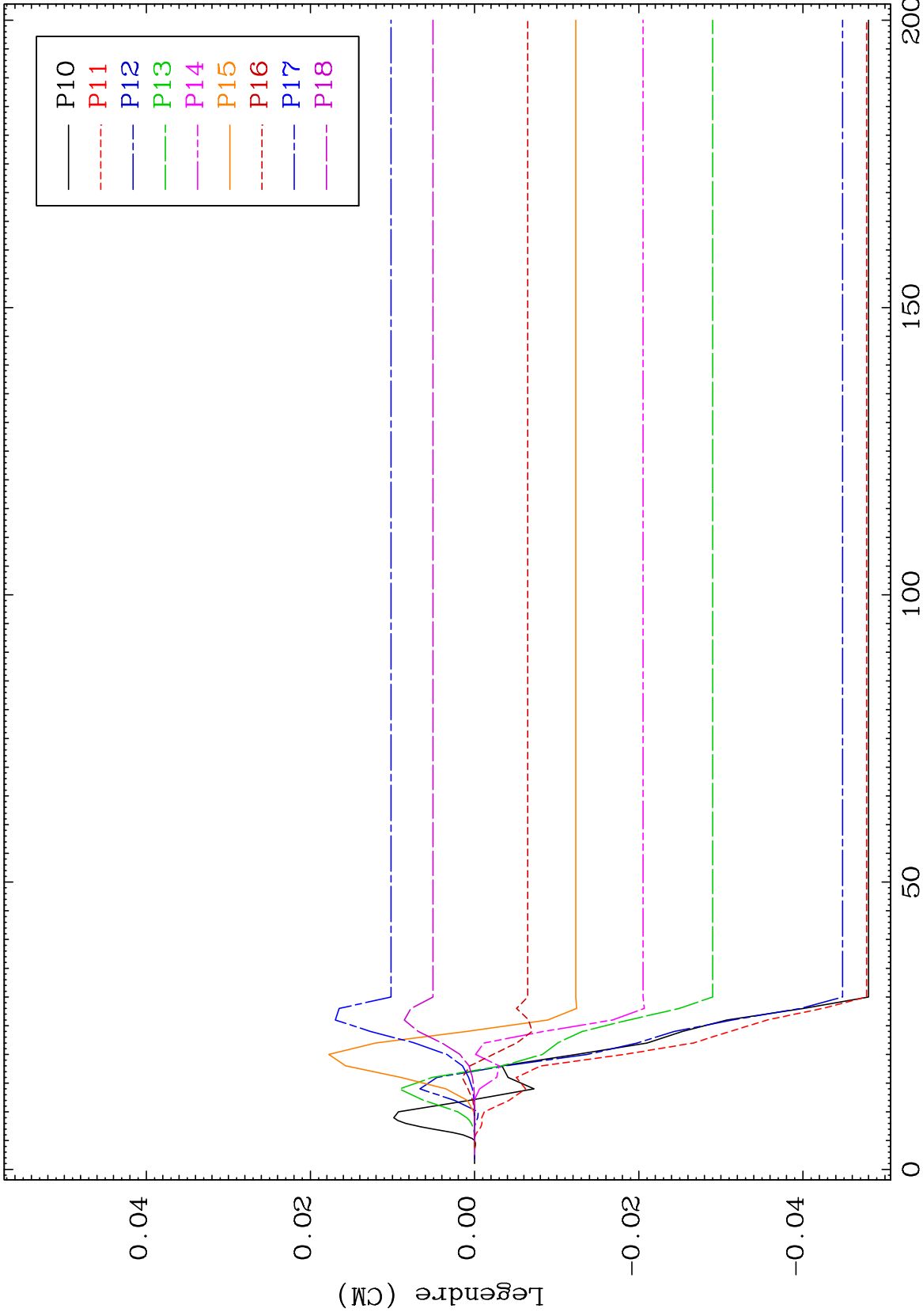
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



78

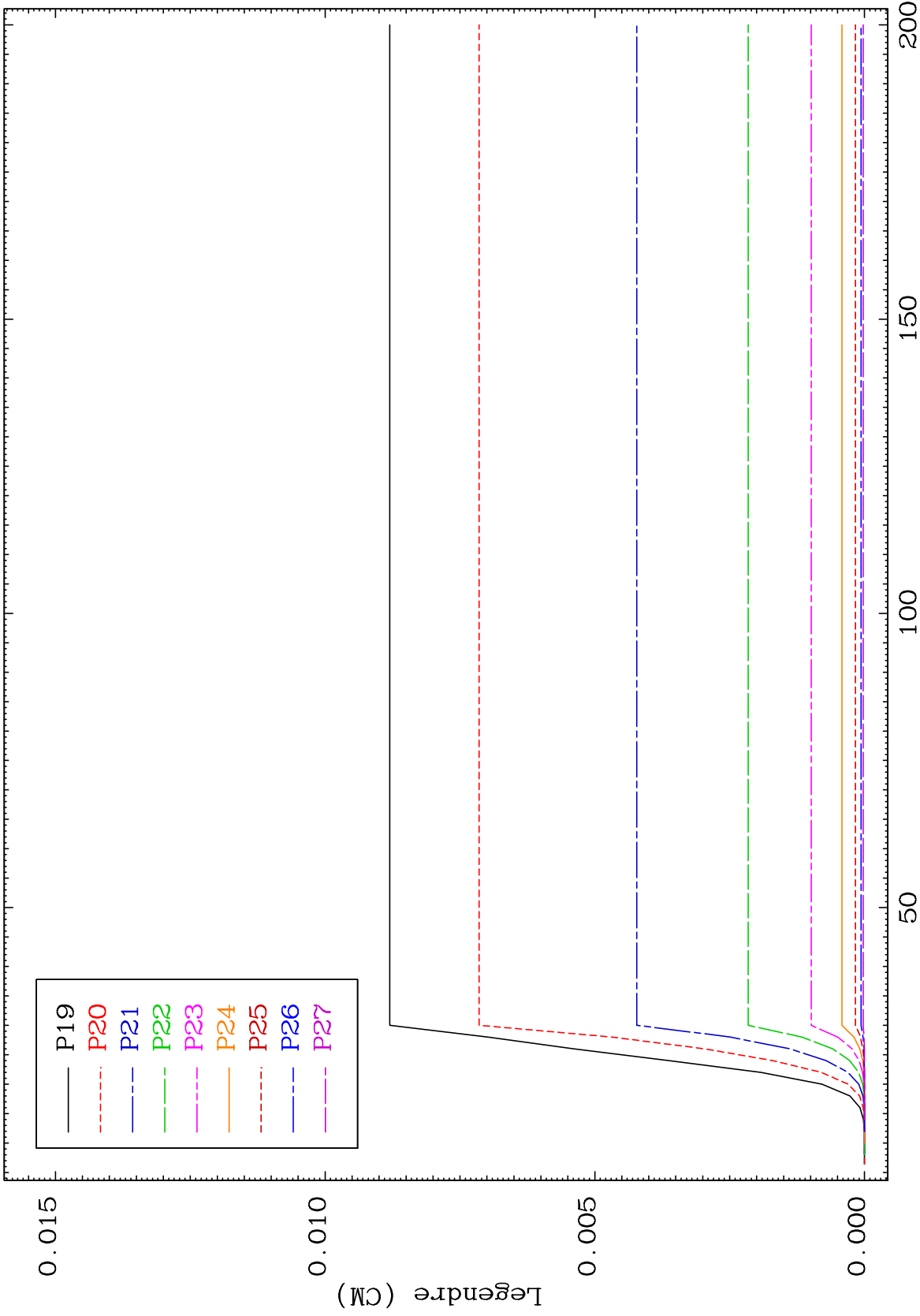
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



79

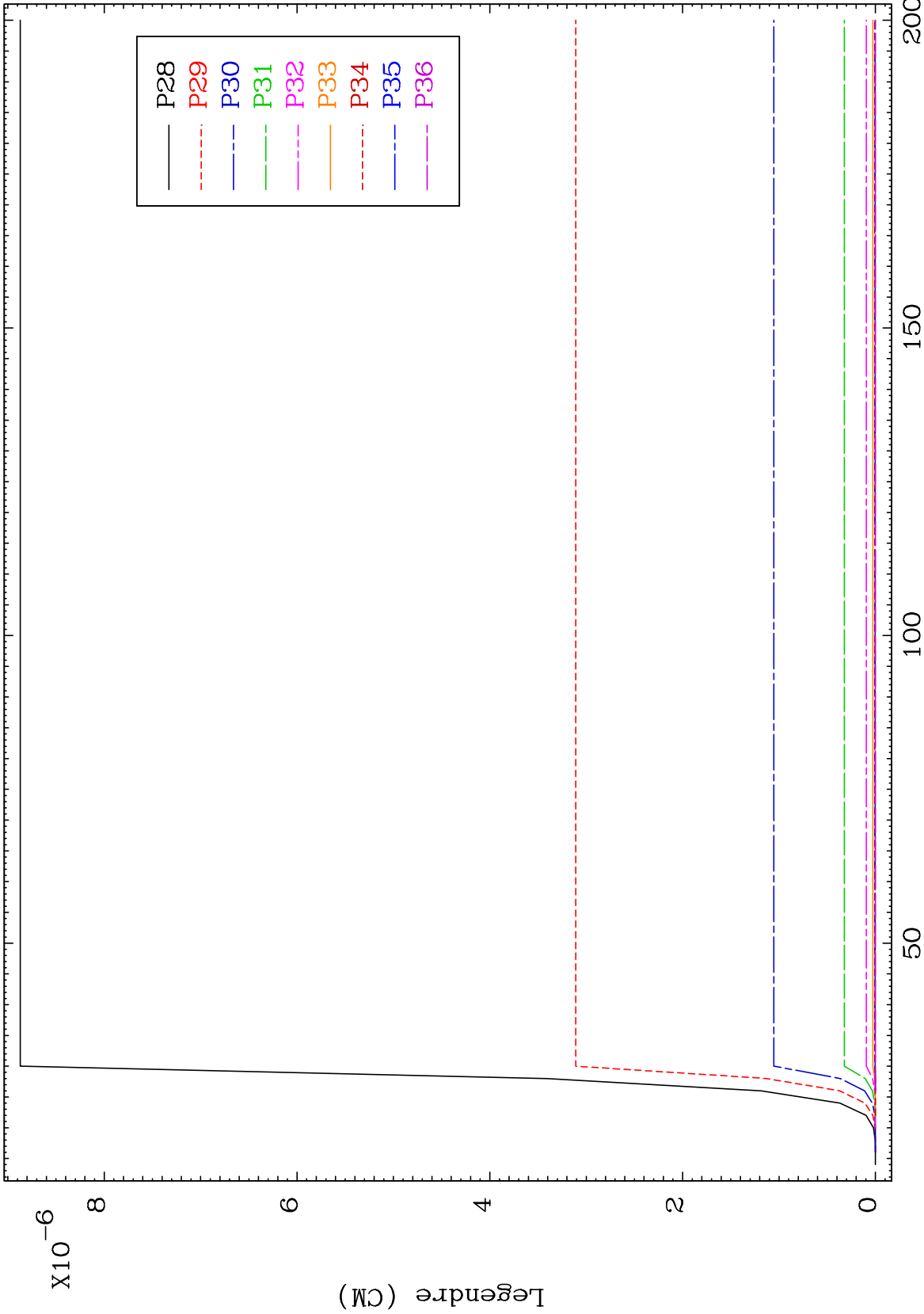
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



80

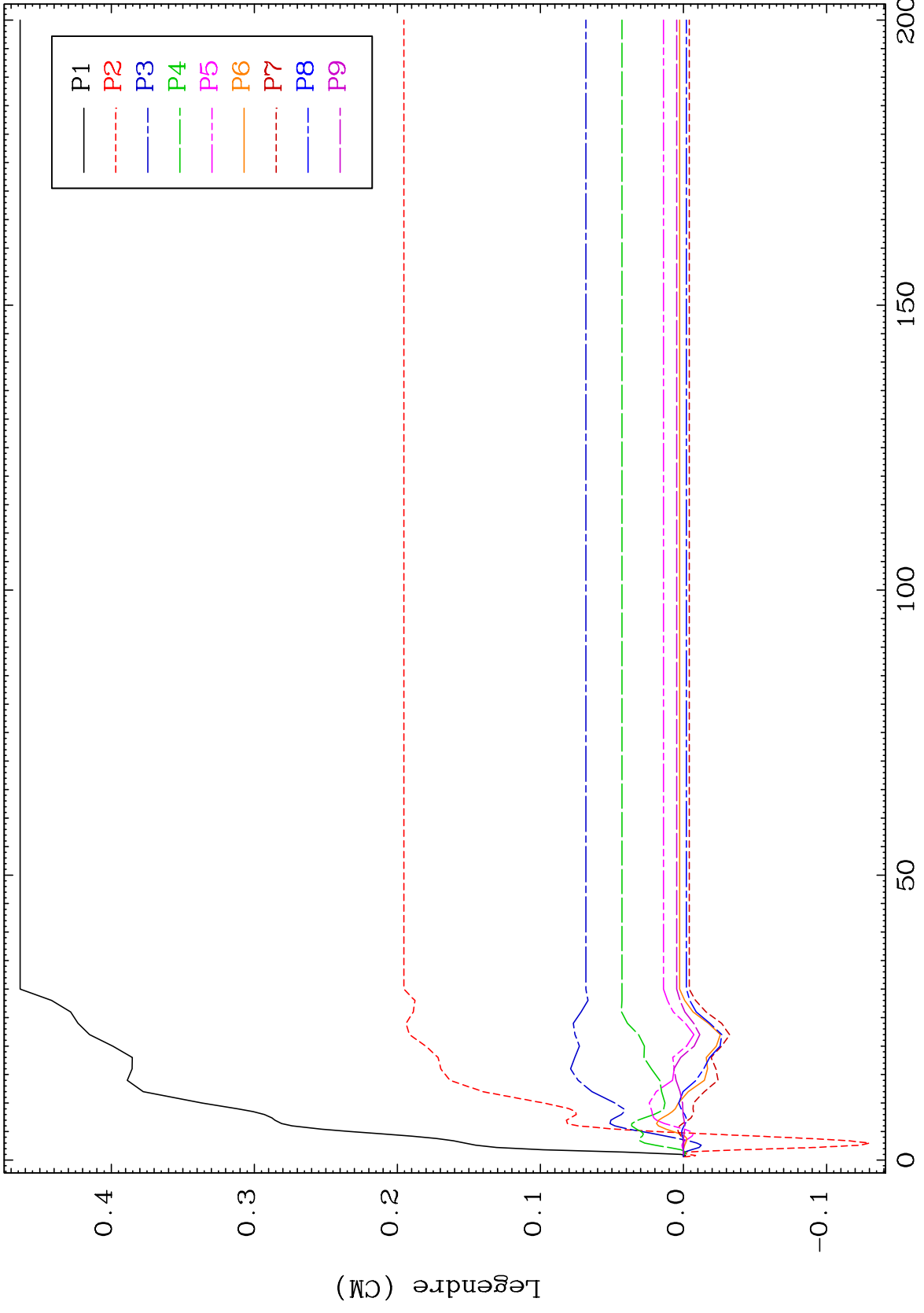
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



81

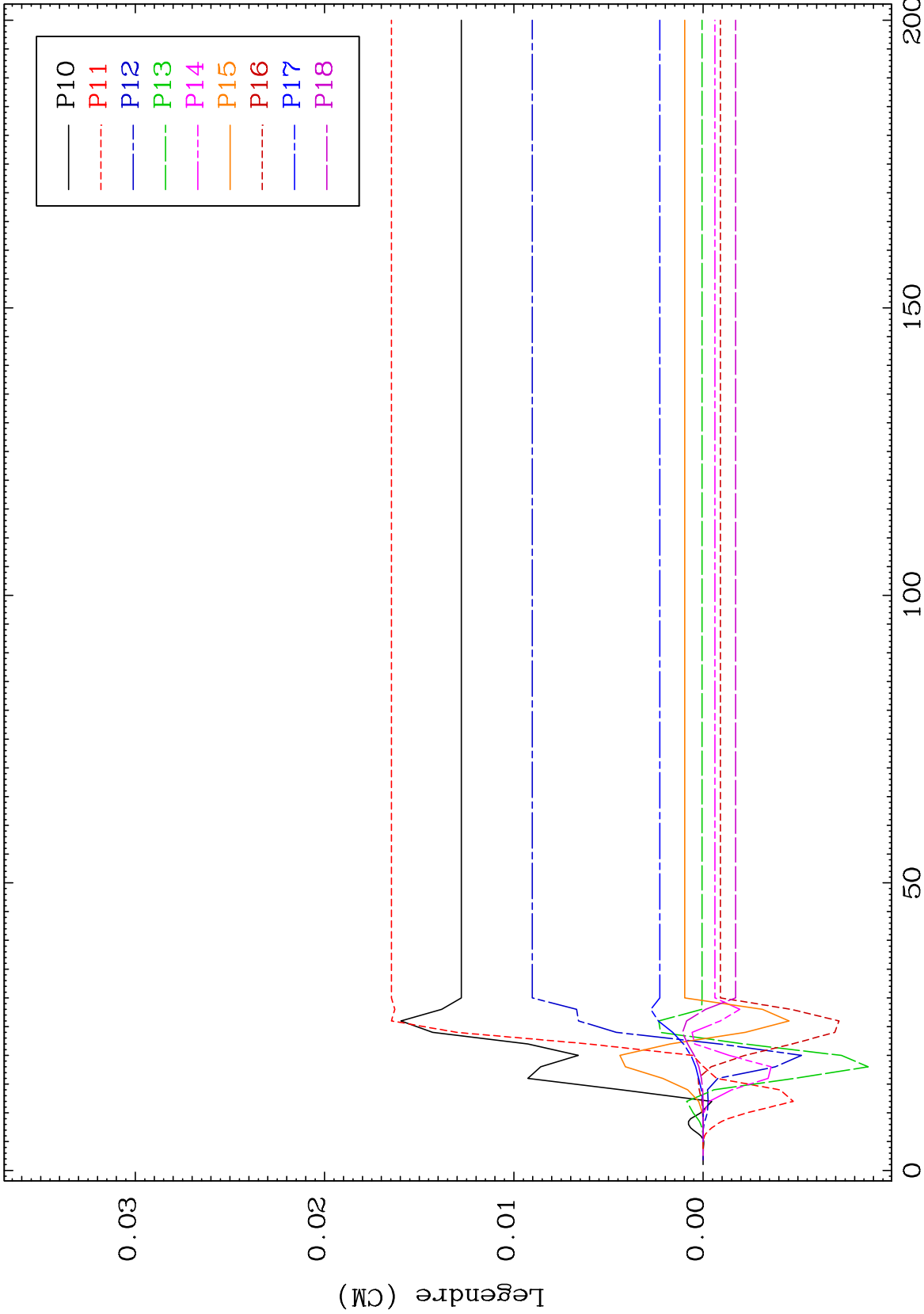
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



82

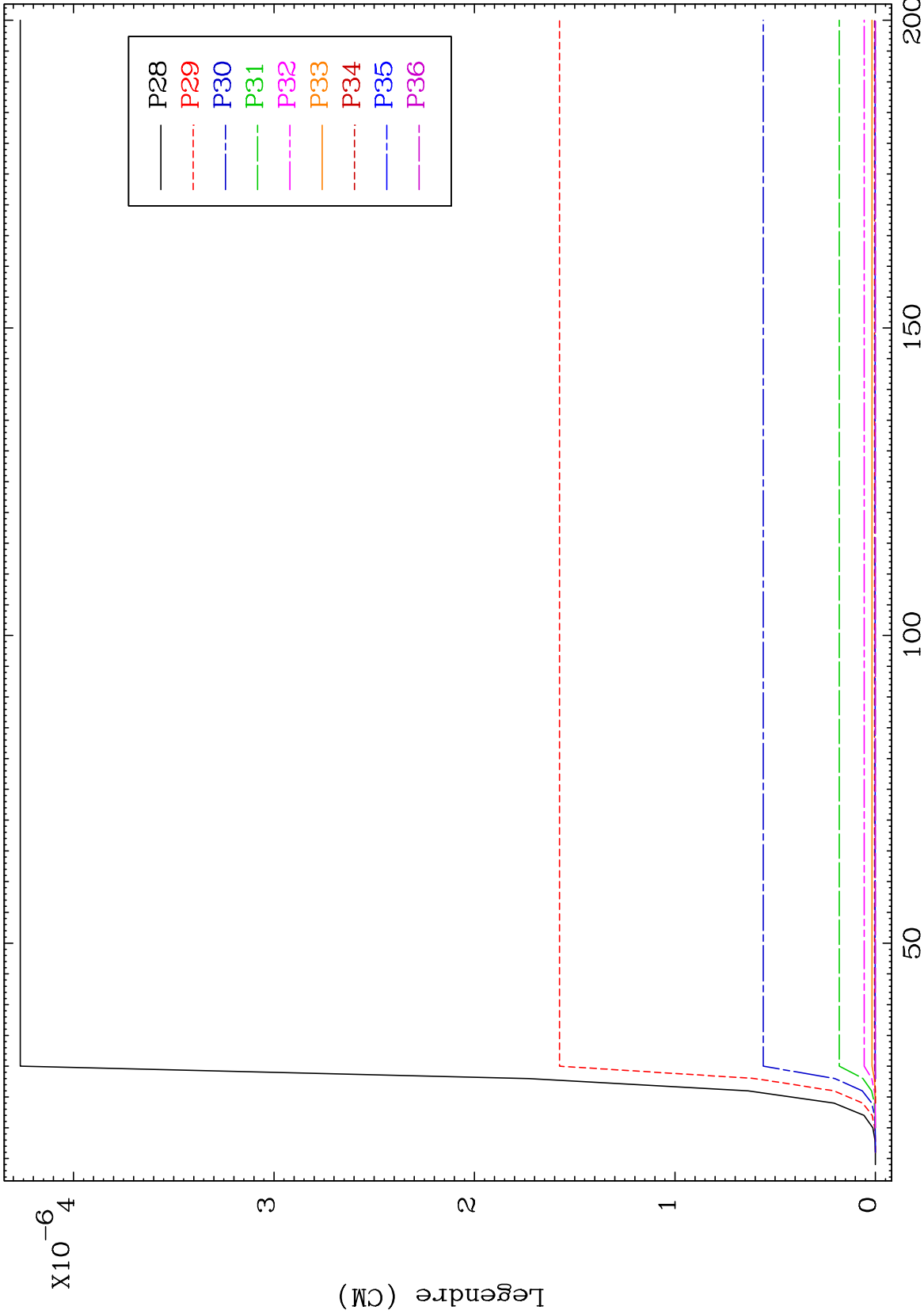
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



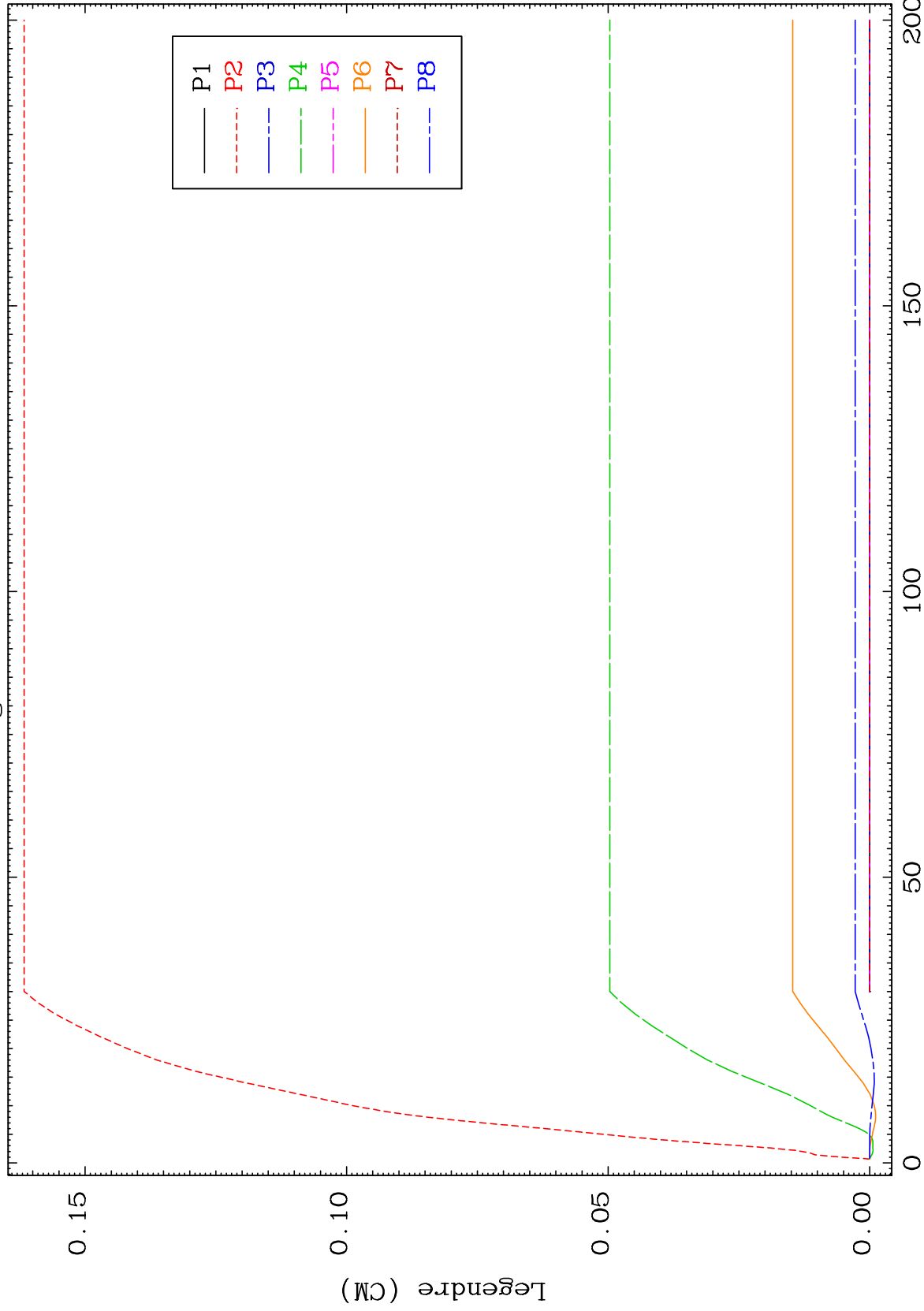
84

57-La-146

MAT 5749

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

57-La-146



85

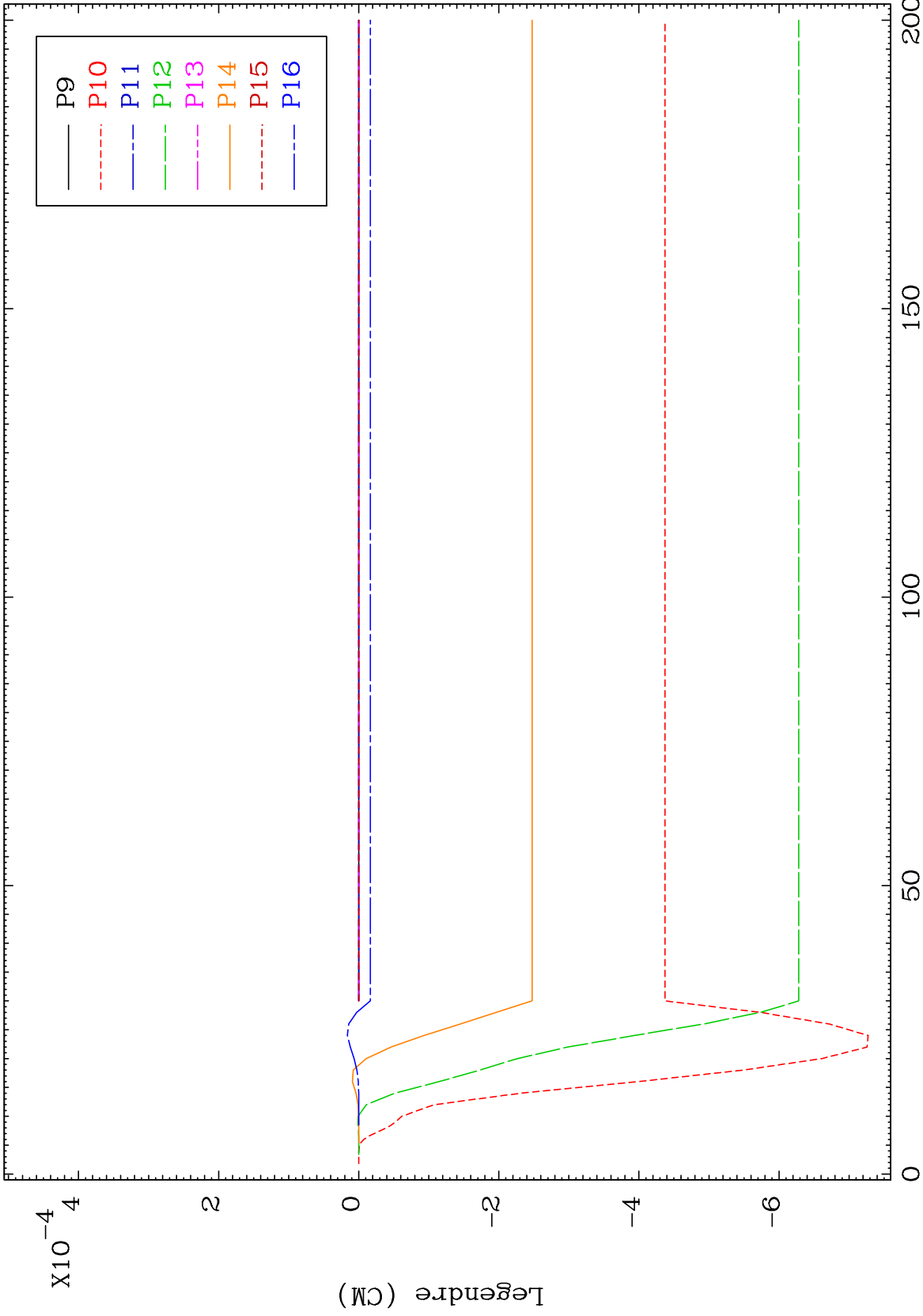
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



86

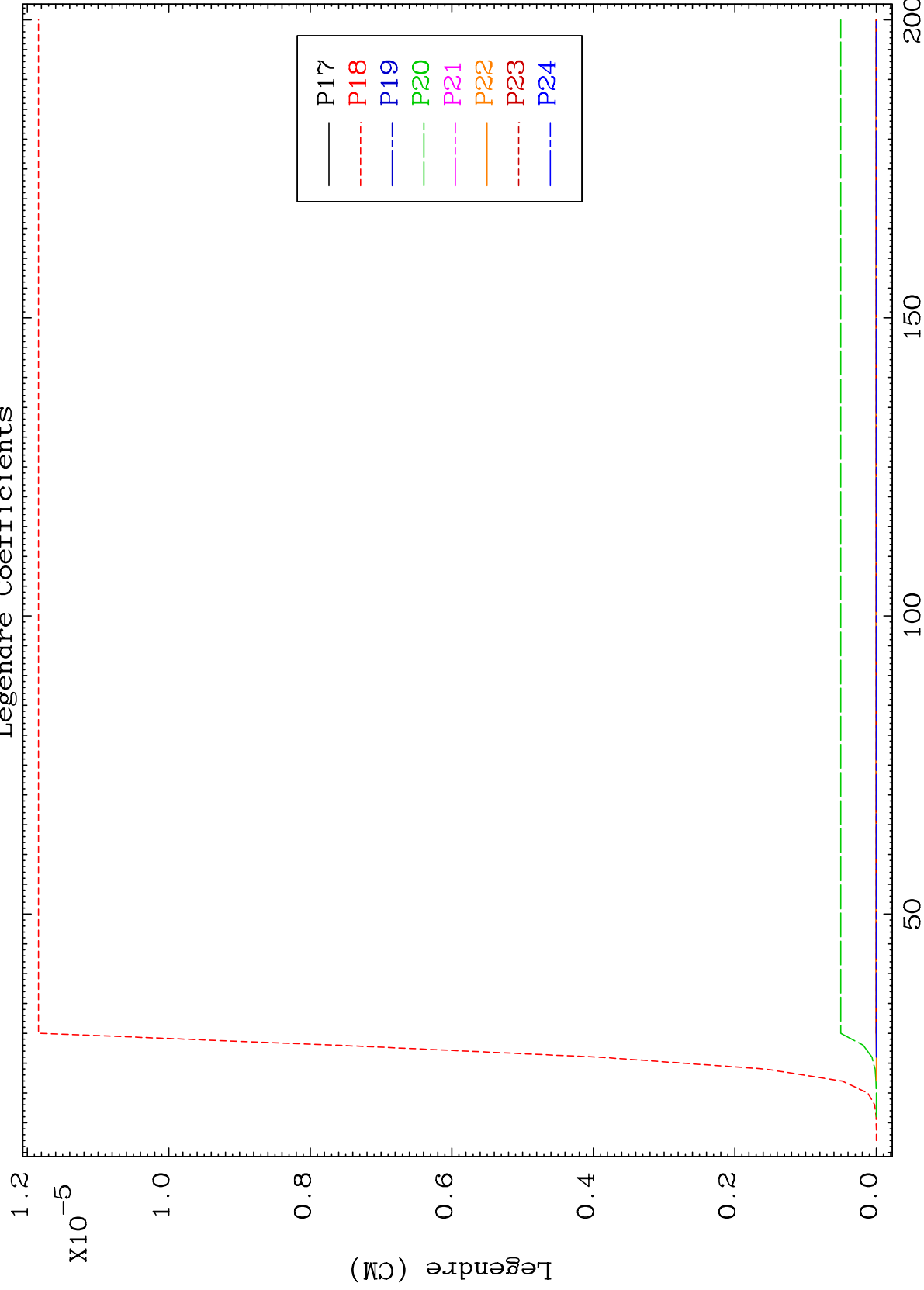
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



57-La-146

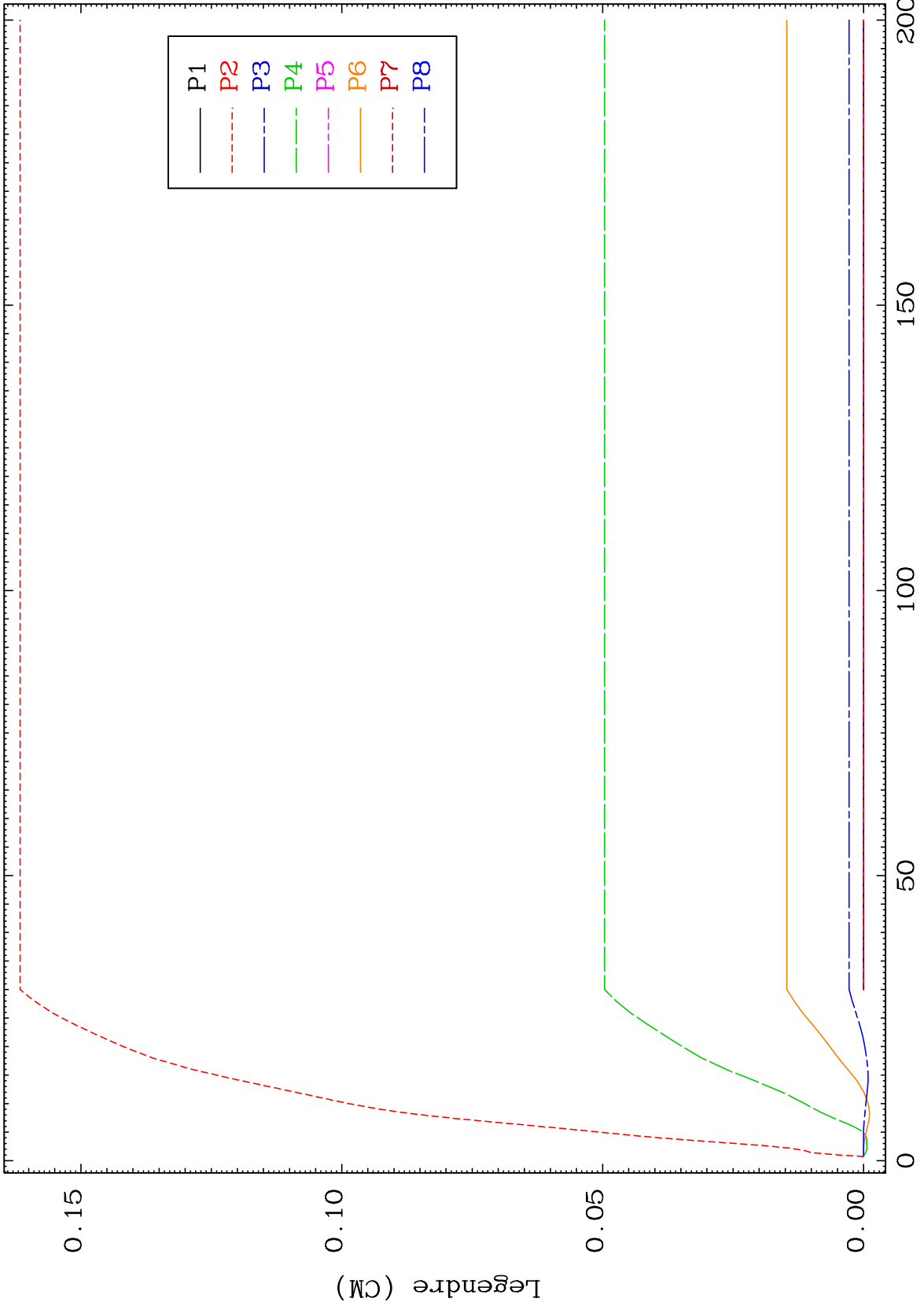
Incident Energy (MeV)

87

MAT 5749

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

57-La-146



88

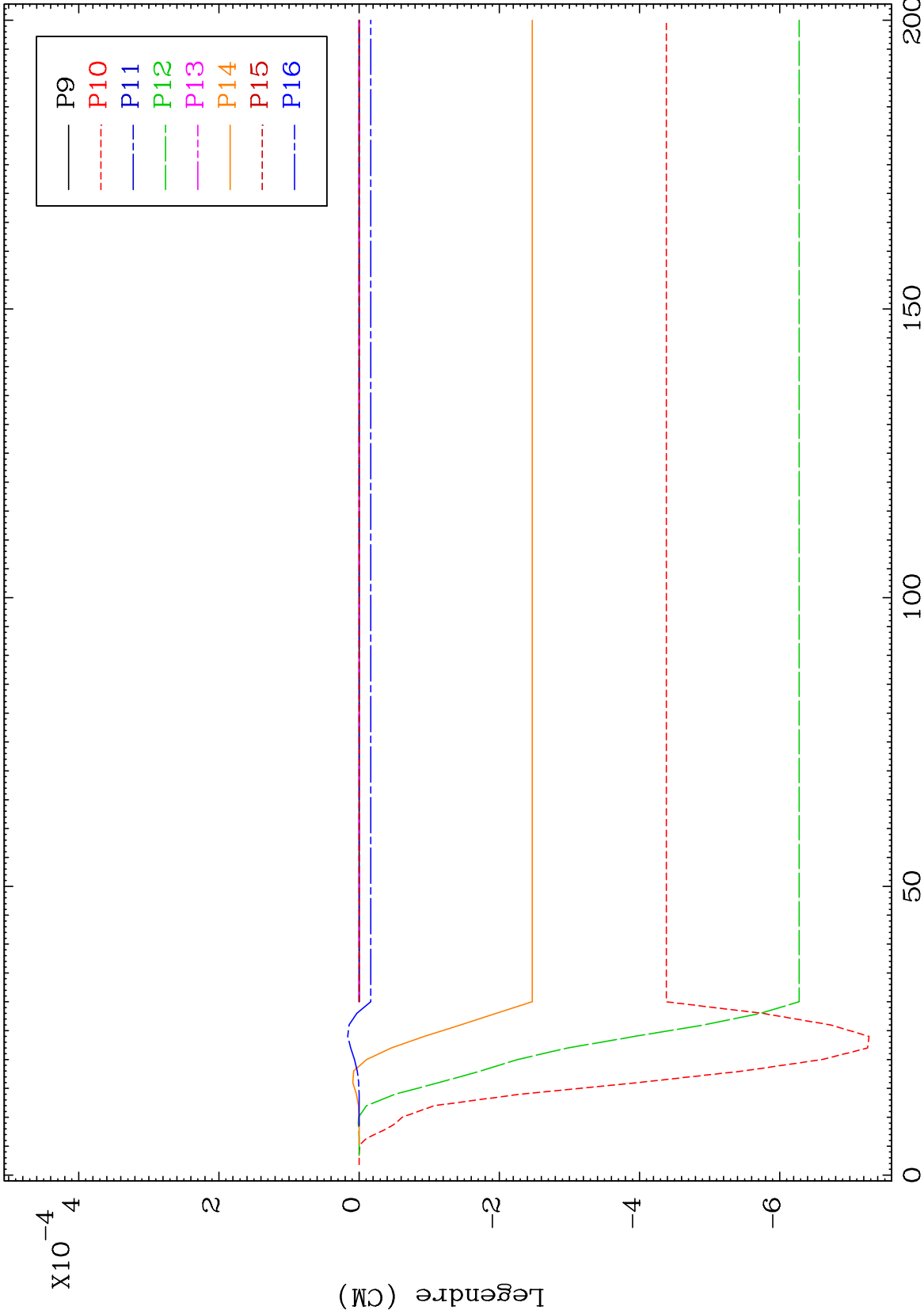
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



89

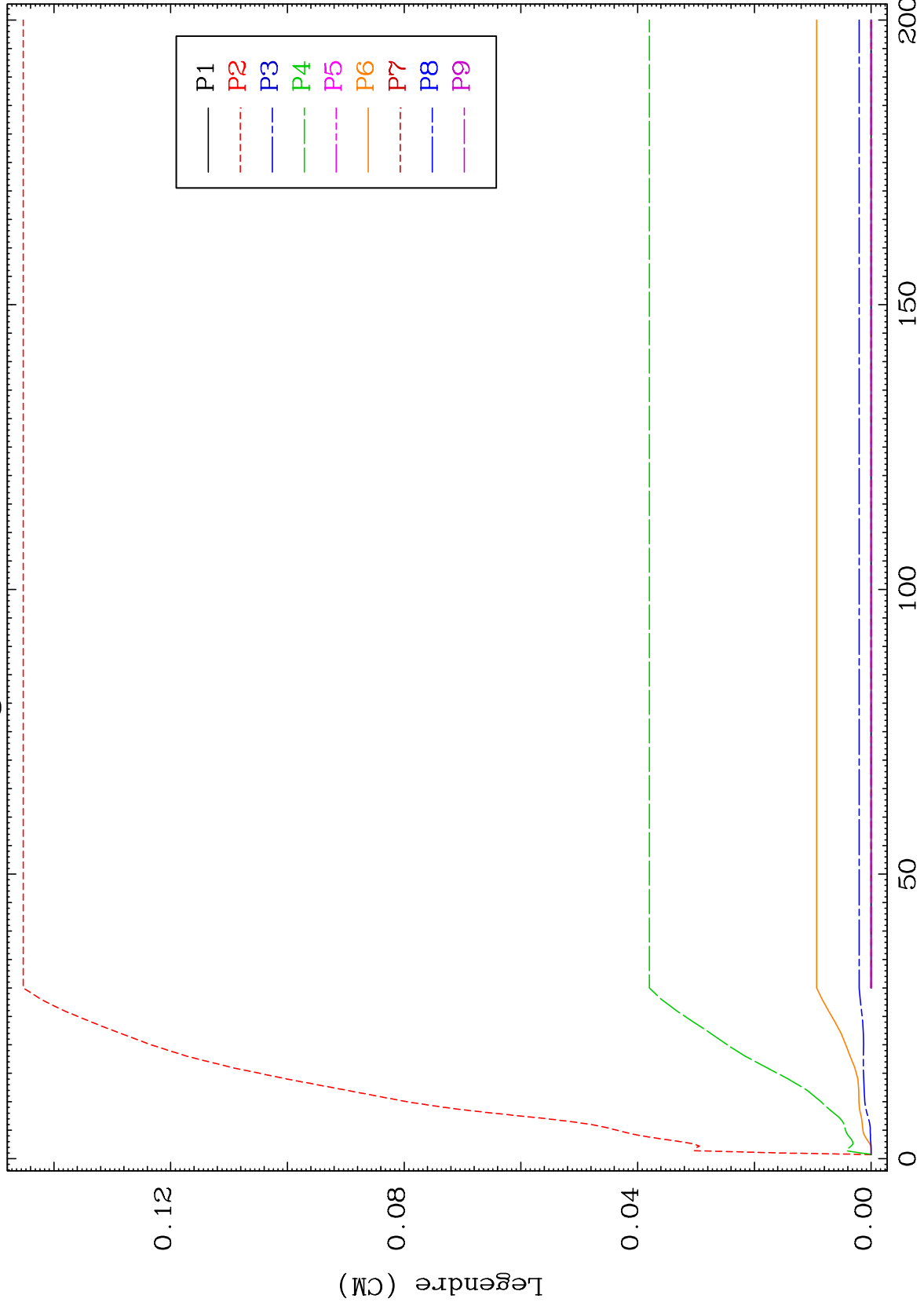
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



91

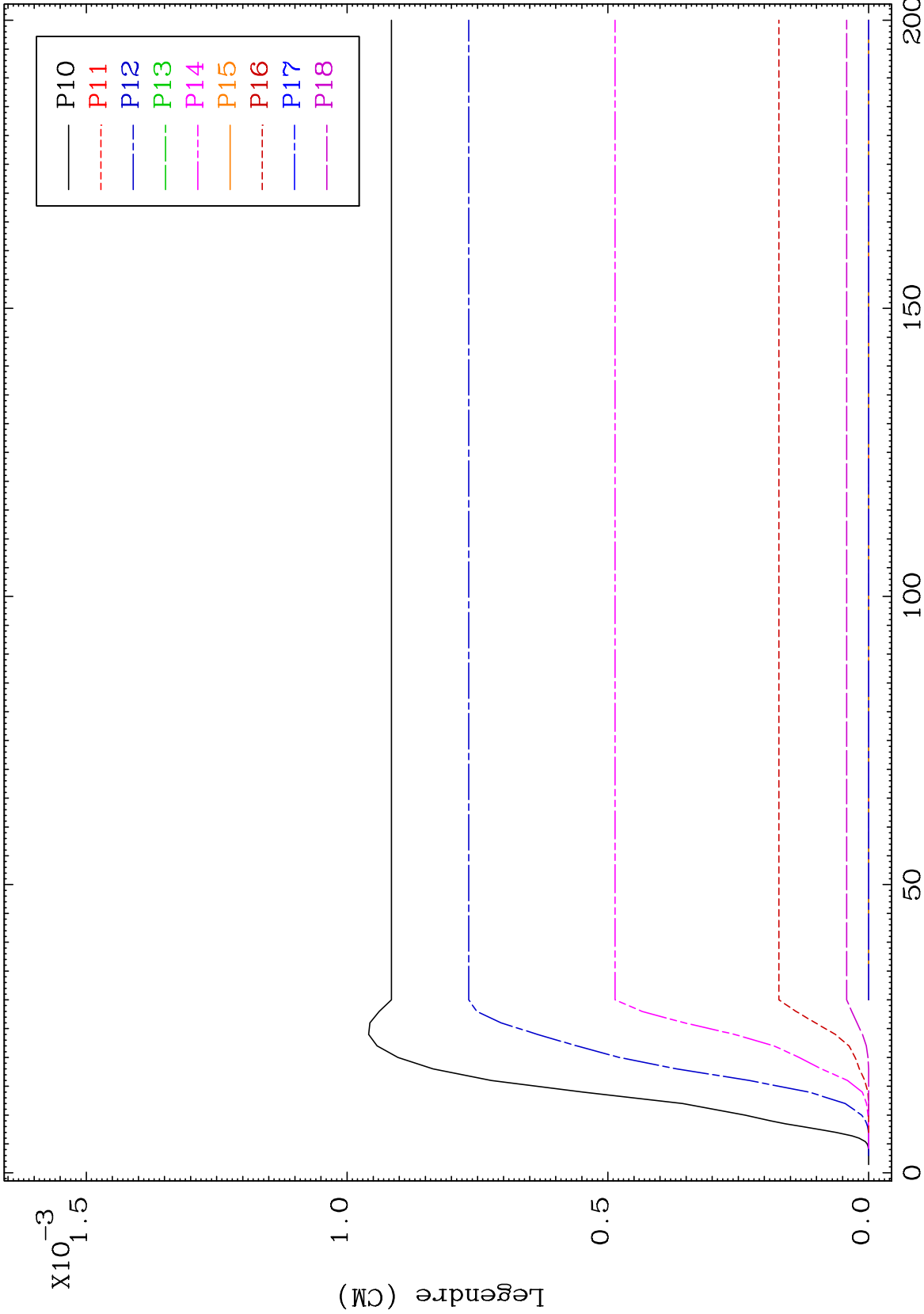
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



92

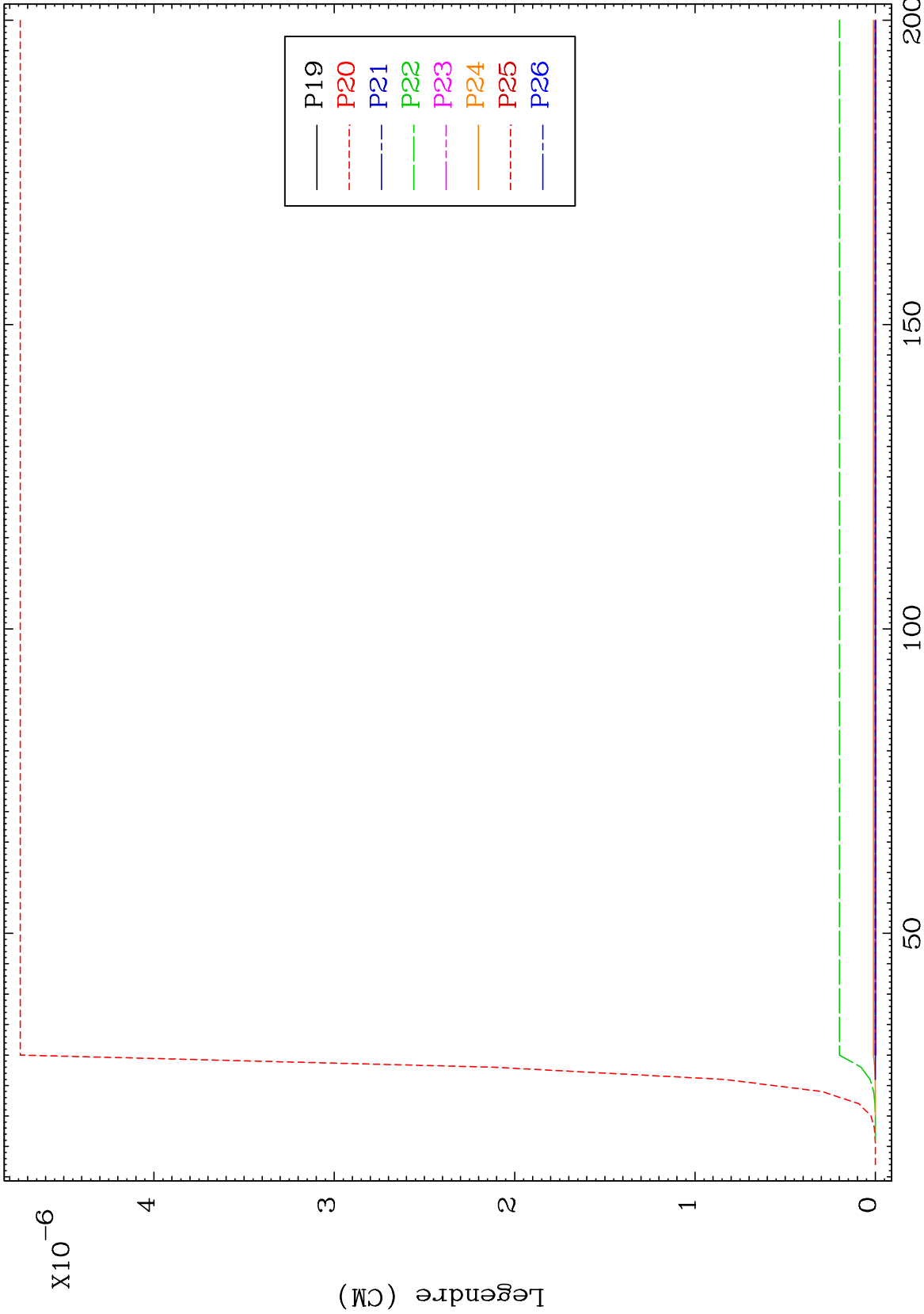
Incident Energy (MeV)

57-La-146

MAT 5749

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

57-La-146



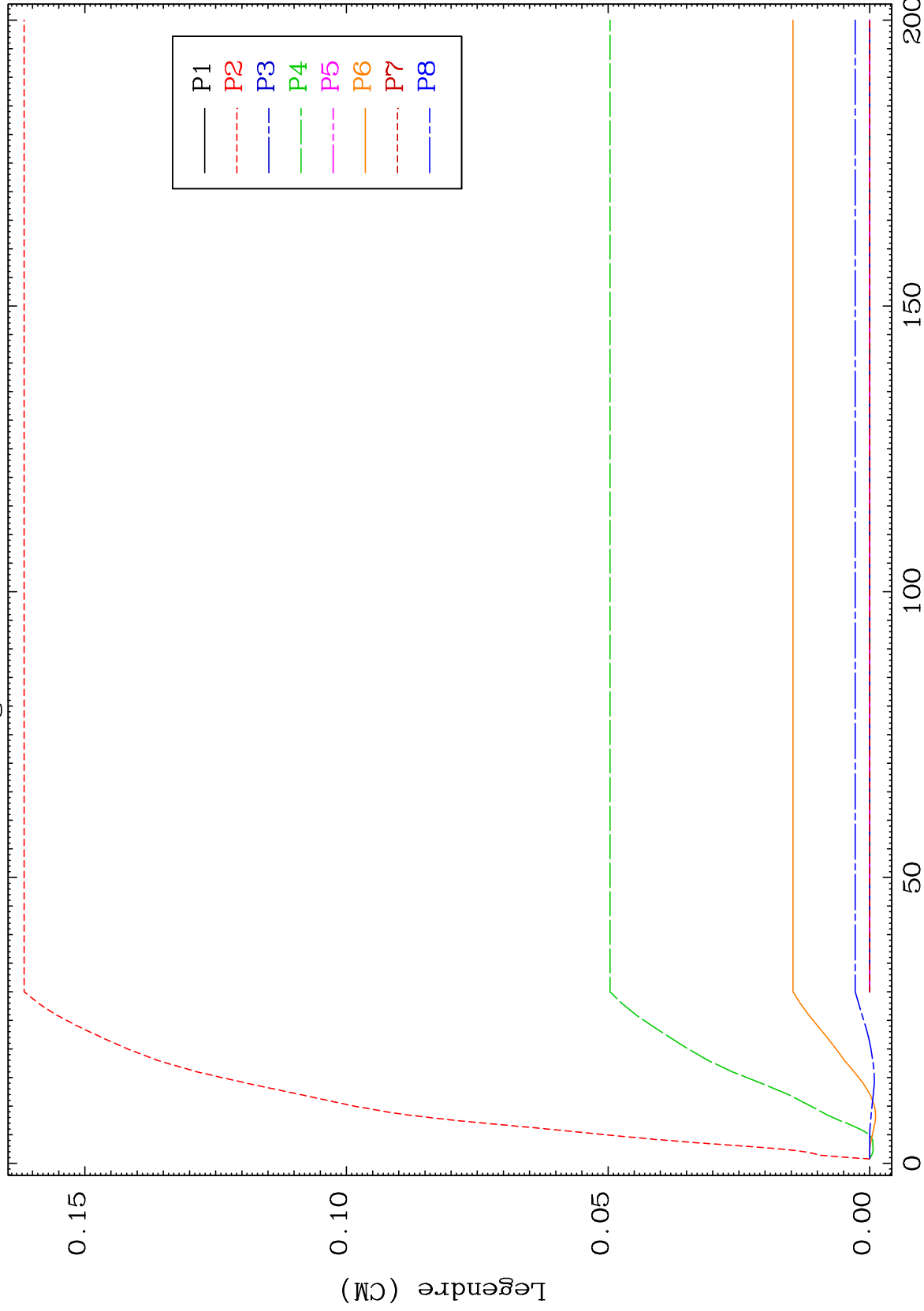
93

57-La-146

MAT 5749

MT= 72 (n,n') Level
Legendre Coefficients

57-La-146



94

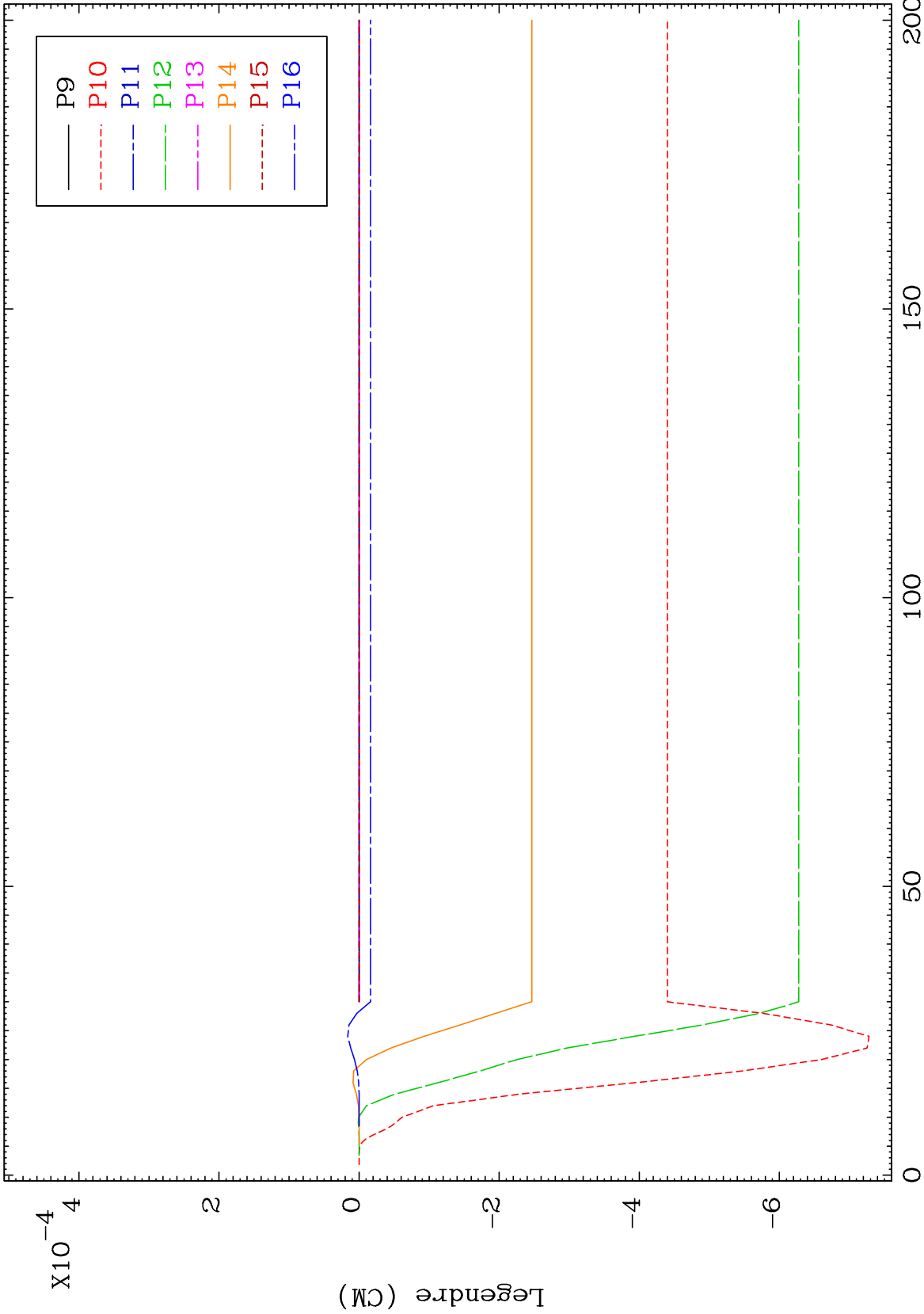
Incident Energy (MeV)

57-La-146

MAT 5749

MT= 72 (n,n') Level
Legendre Coefficients

57-La-146



95

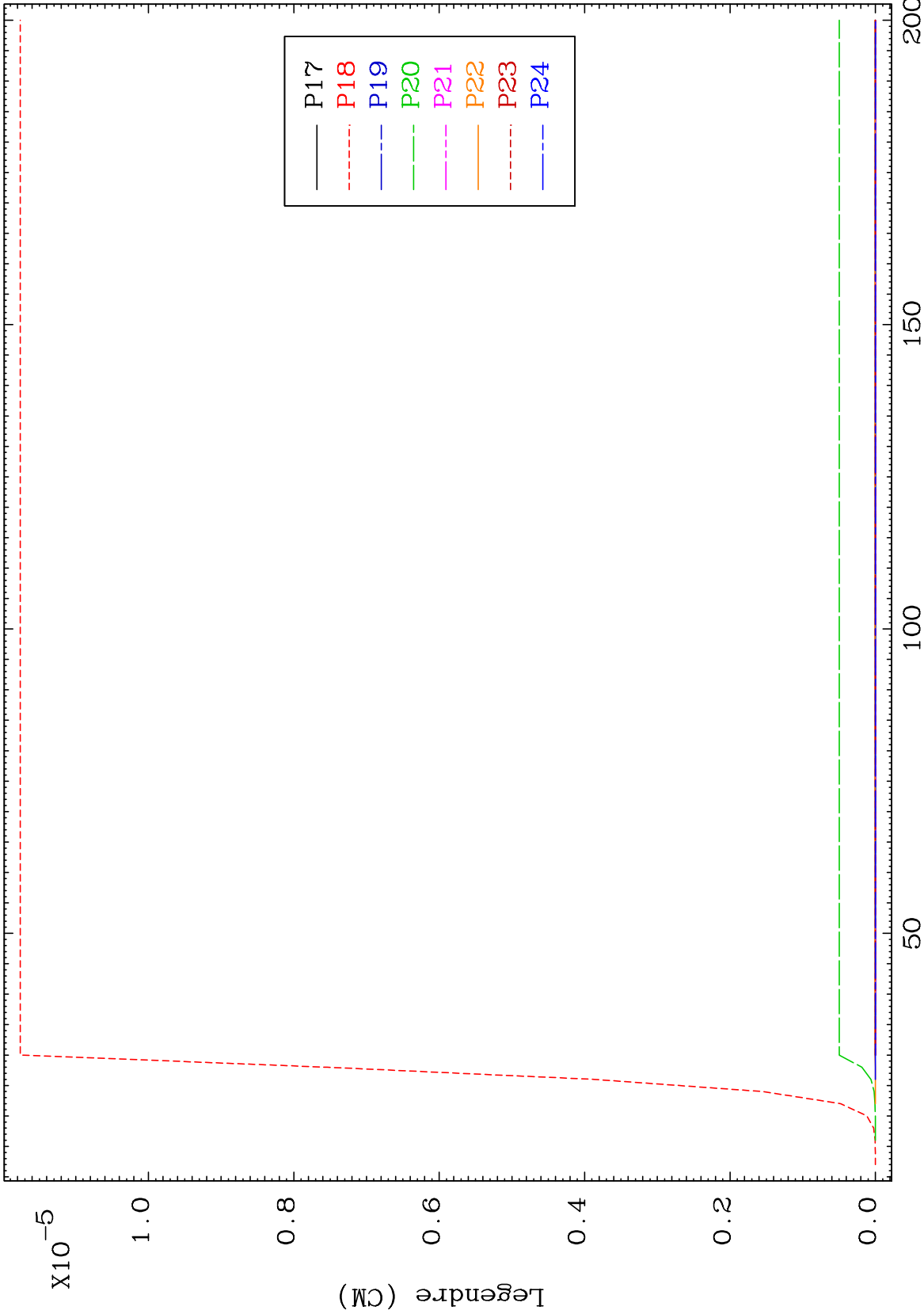
Incident Energy (MeV)

57-La-146

MAT 5749

MT= 72 (n,n') Level
Legendre Coefficients

57-La-146



96

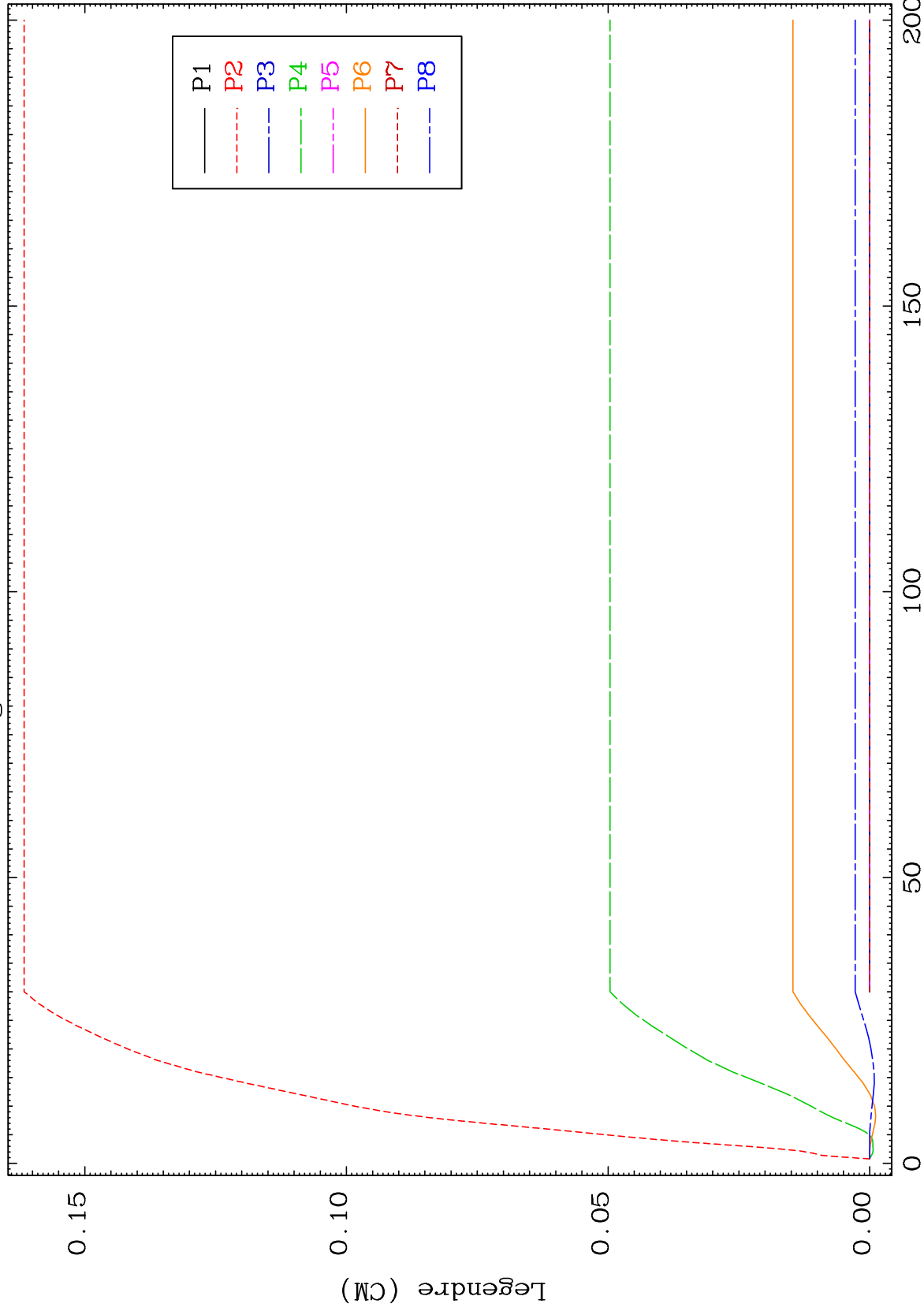
Incident Energy (MeV)

57-La-146

MAT 5749

MT= 73 (n,n') Level
Legendre Coefficients

57-La-146



97

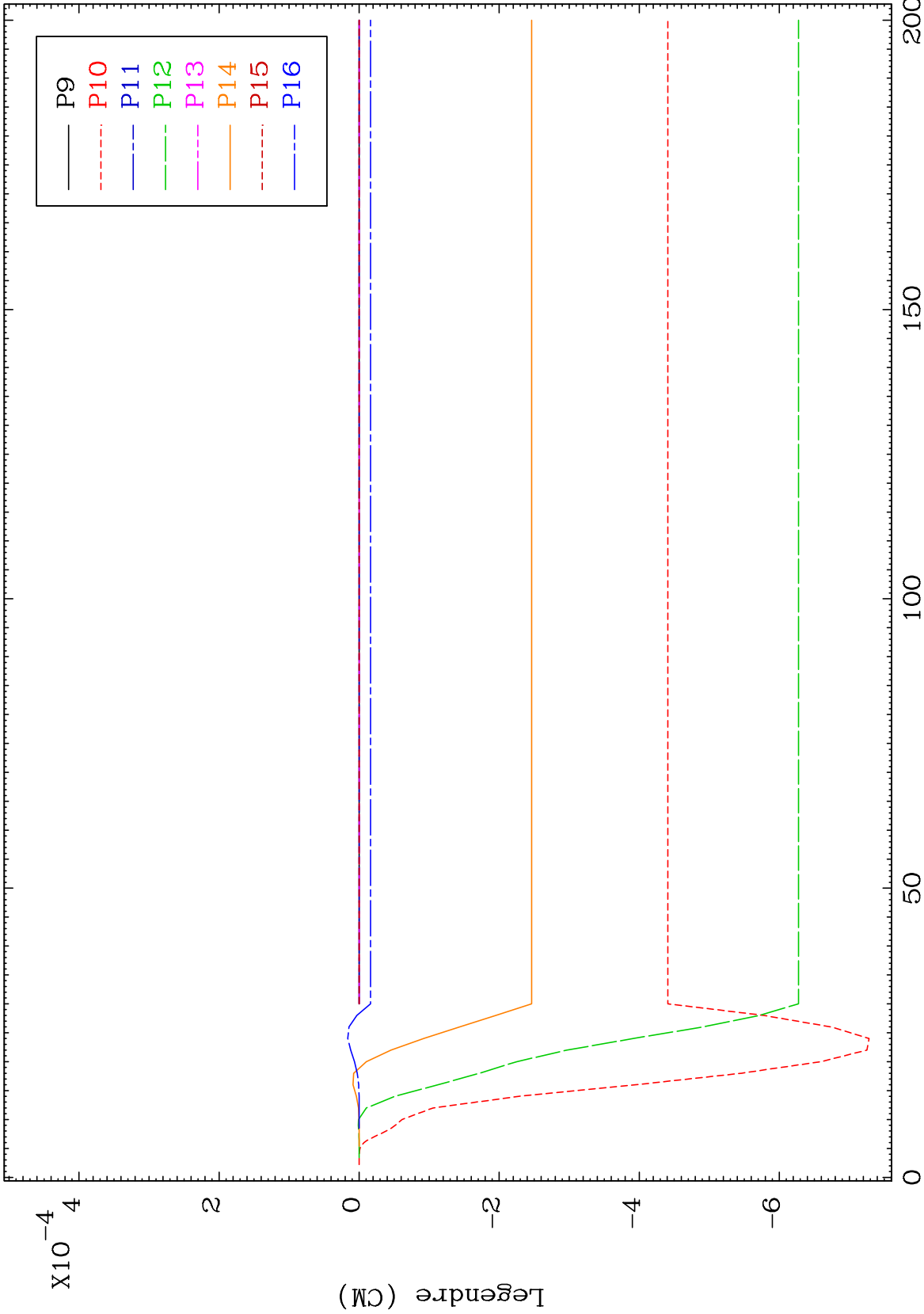
Incident Energy (MeV)

57-La-146

MAT 5749

MT= 73 (n,n') Level
Legendre Coefficients

57-La-146



98

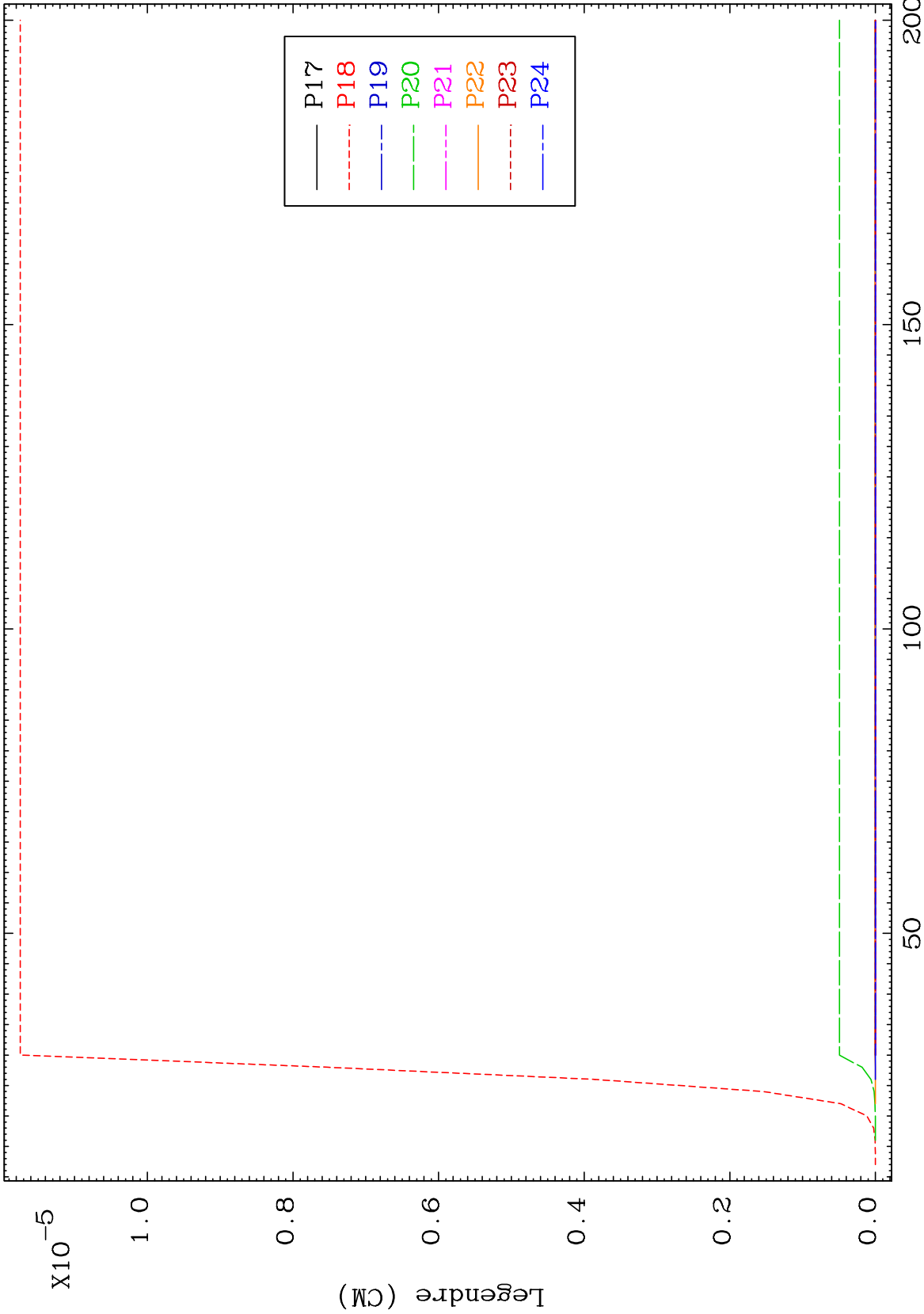
Incident Energy (MeV)

57-La-146

MAT 5749

MT= 73 (n,n') Level
Legendre Coefficients

57-La-146



99

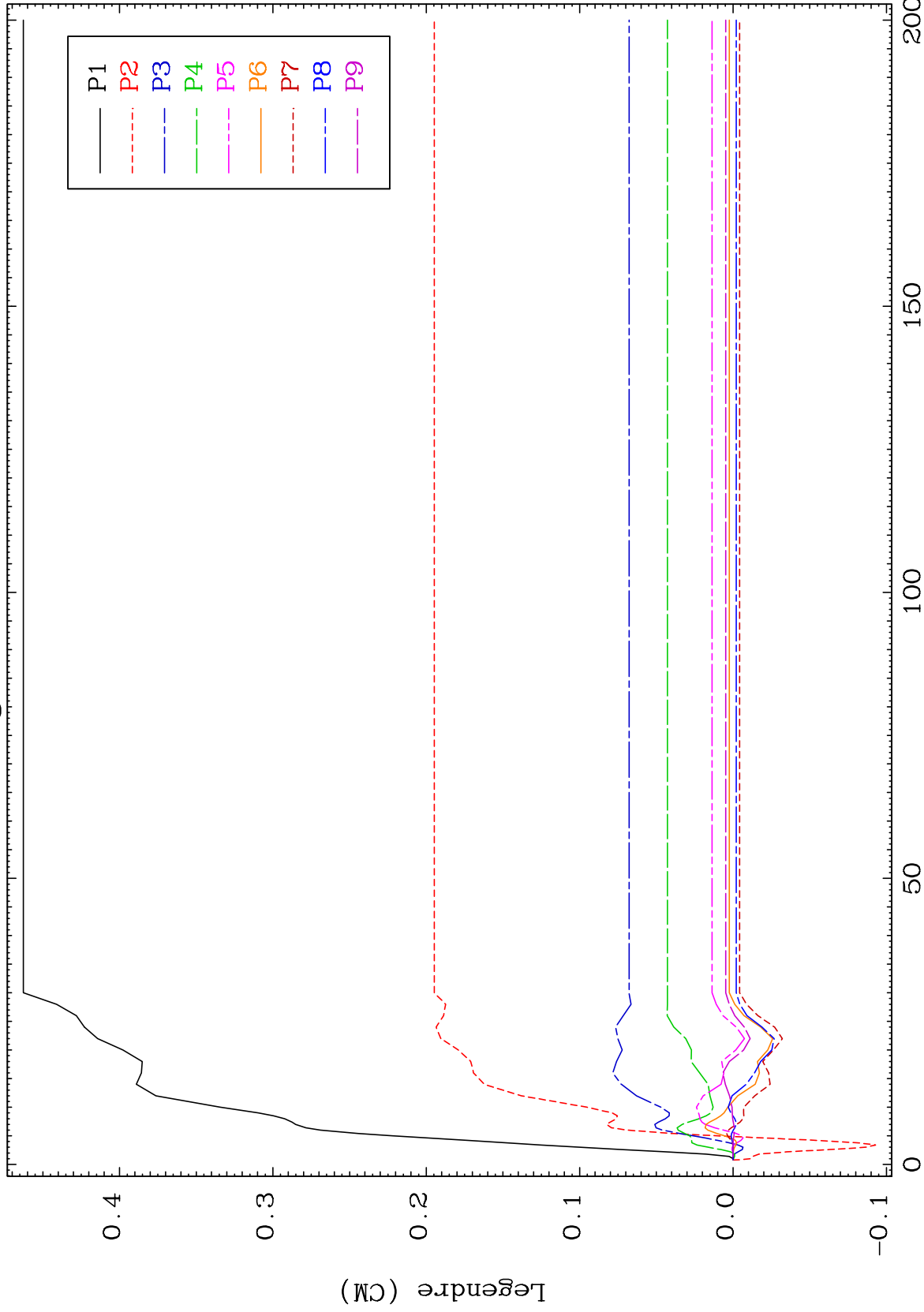
Incident Energy (MeV)

57-La-146

MAT 5749

MT= 74 (n,n') Level
Legendre Coefficients

57-La-146



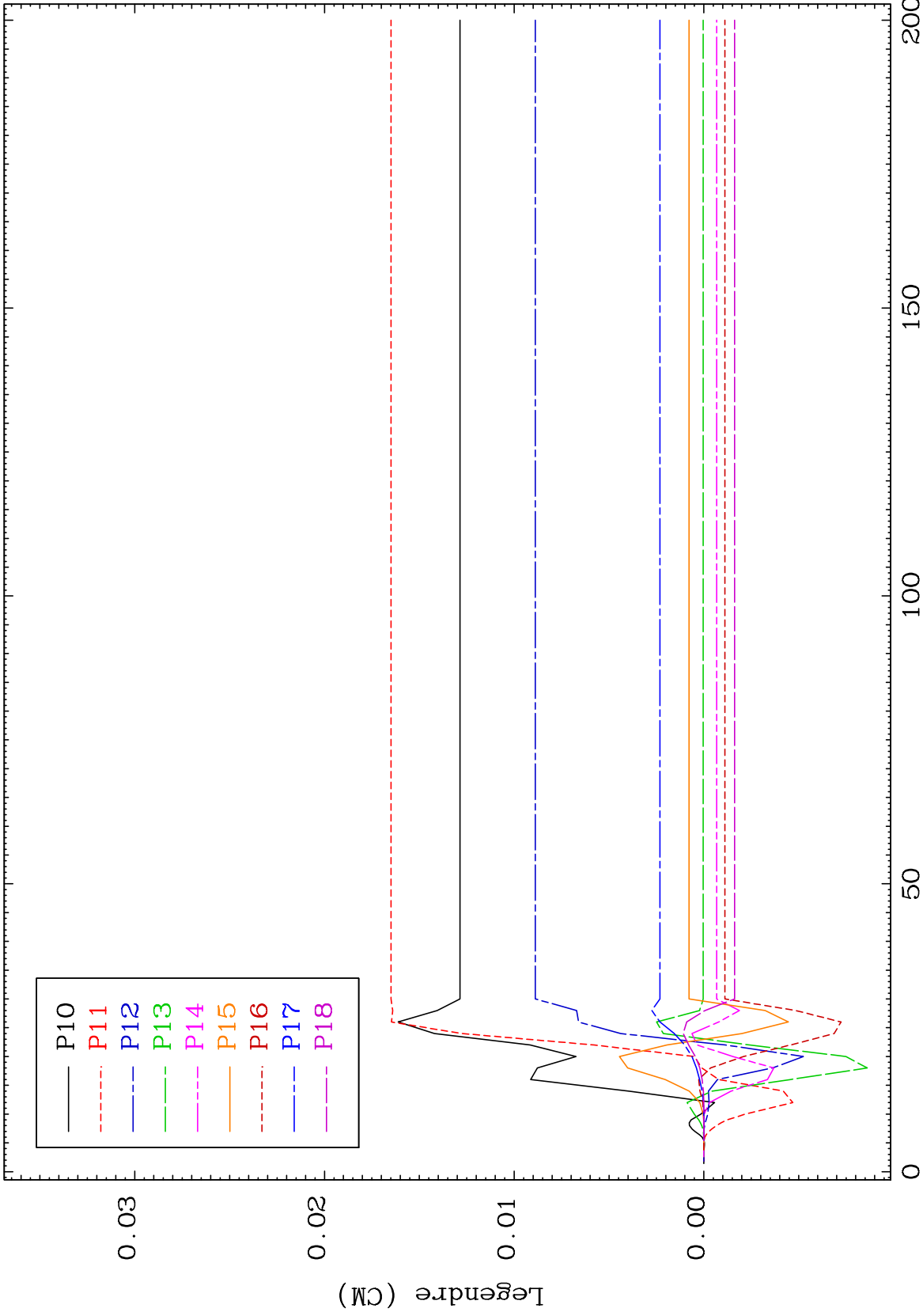
57-La-146

Incident Energy (MeV)

MAT 5749

MT= 74 (n,n') Level
Legendre Coefficients

57-La-146



101

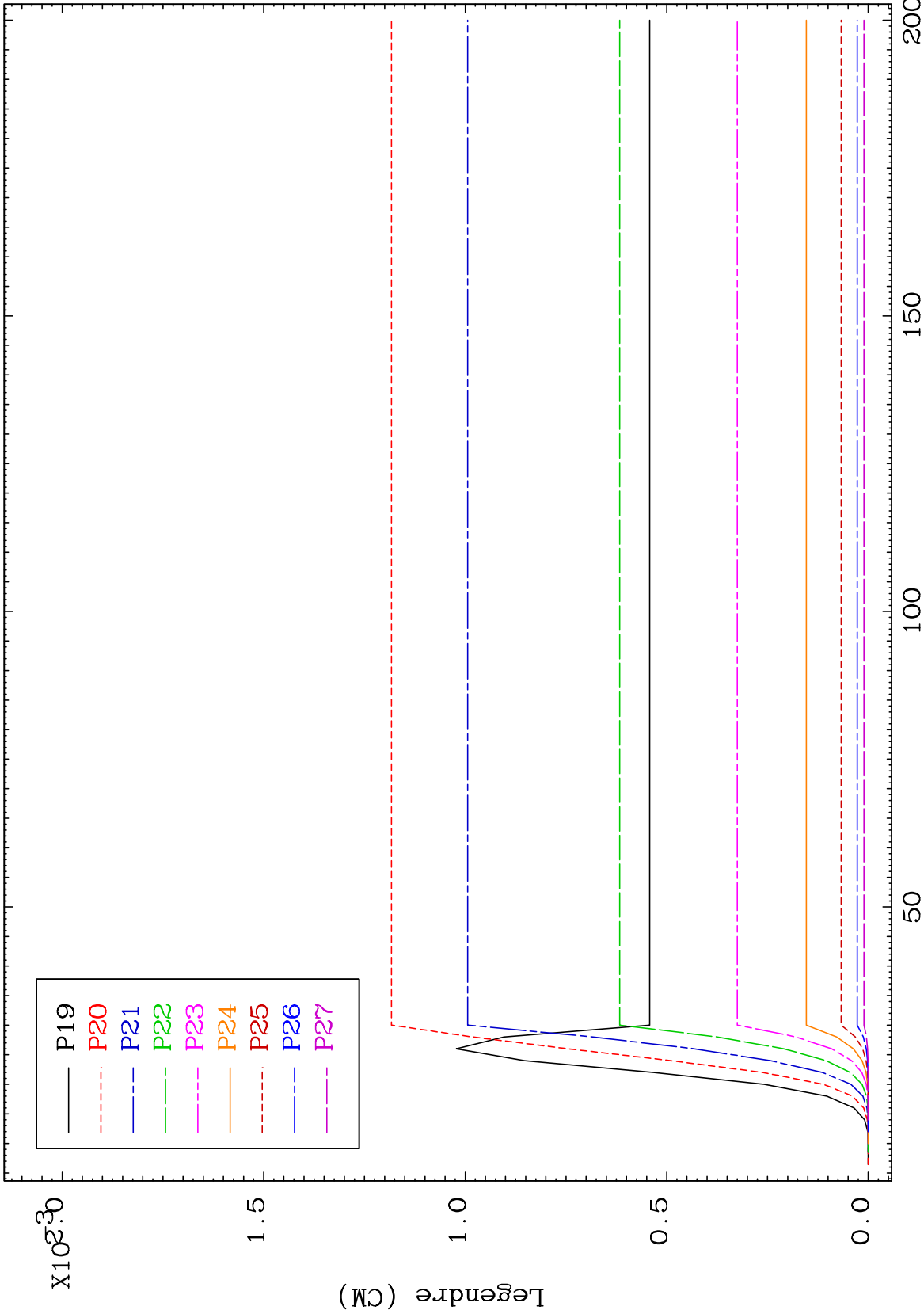
Incident Energy (MeV)

57-La-146

MAT 5749

MT= 74 (n,n') Level
Legendre Coefficients

57-La-146

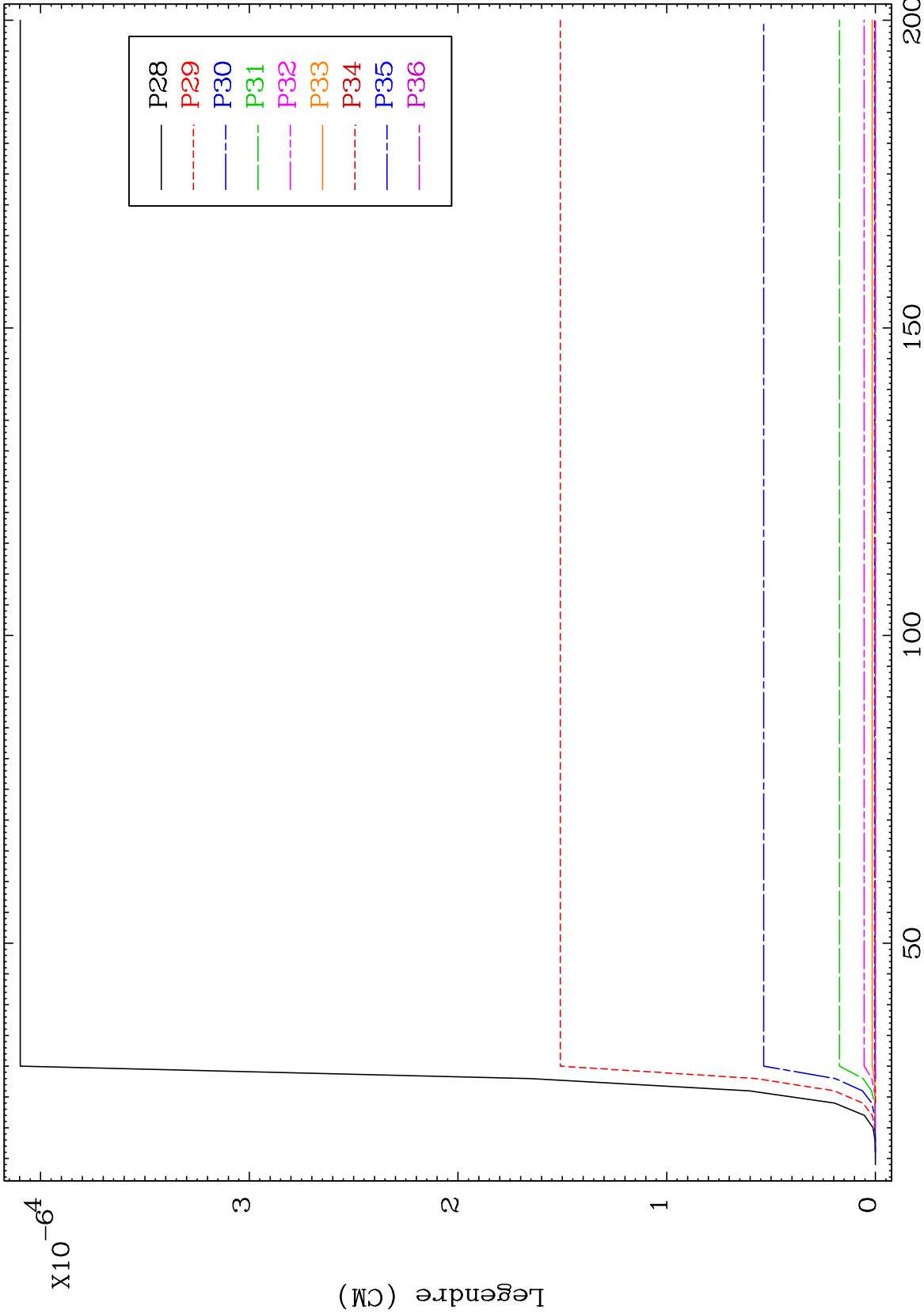


102

MAT 5749

MT= 74 (n,n') Level
Legendre Coefficients

57-La-146



103

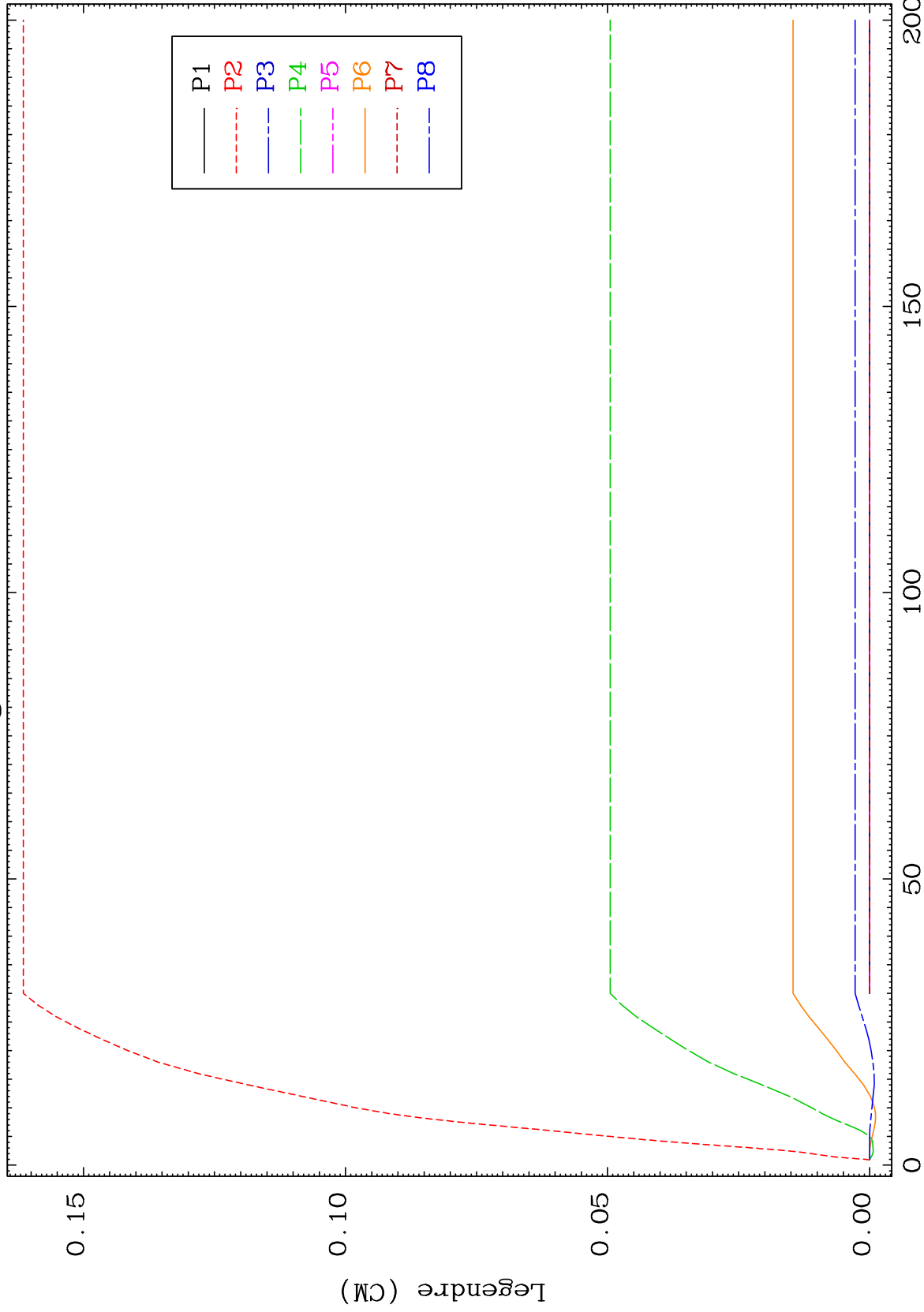
Incident Energy (MeV)

57-La-146

MAT 5749

MT= 75 (n,n') Level
Legendre Coefficients

57-La-146



57-La-146

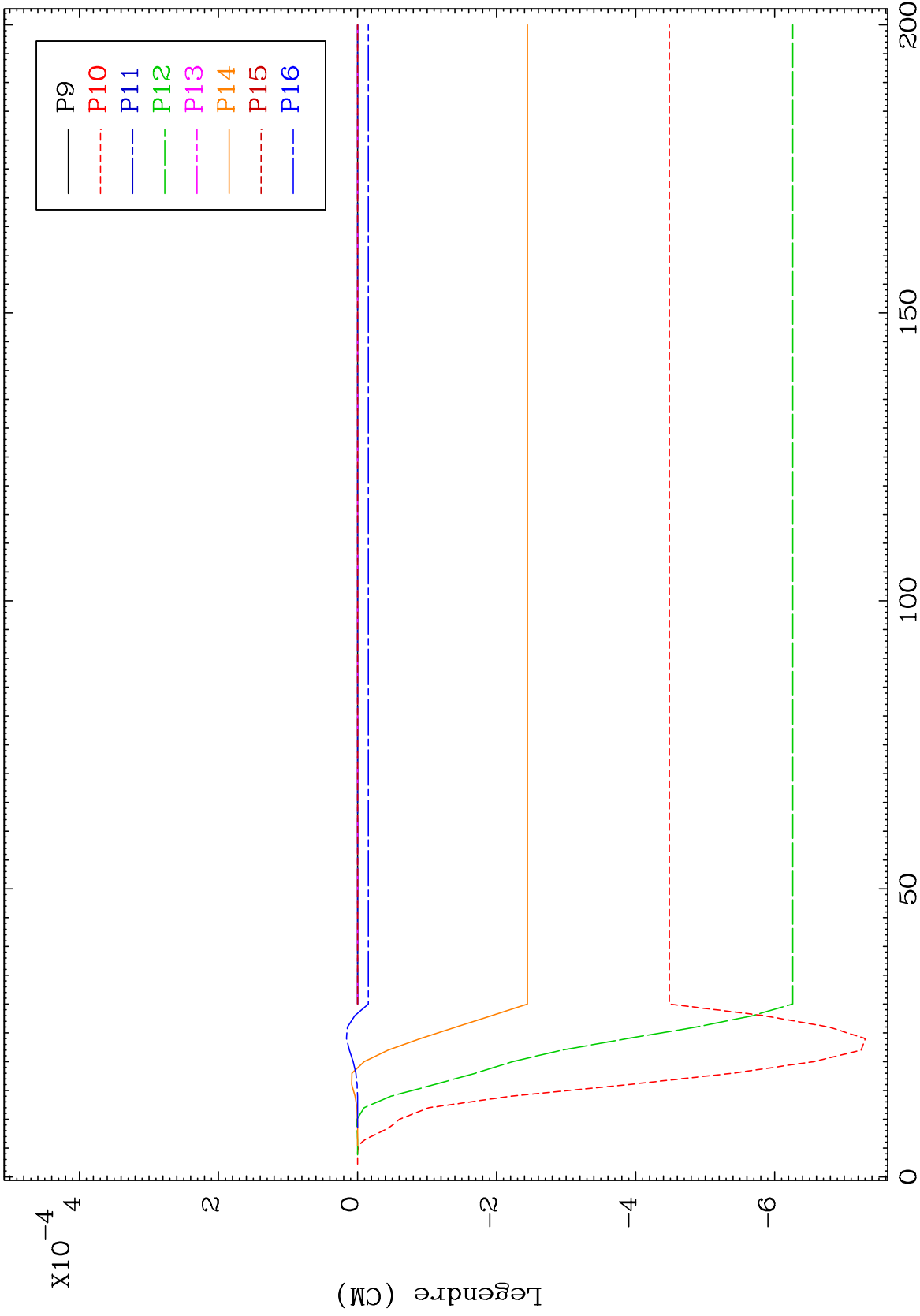
Incident Energy (MeV)

104

MAT 5749

MT= 75 (n,n') Level
Legendre Coefficients

57-La-146



105

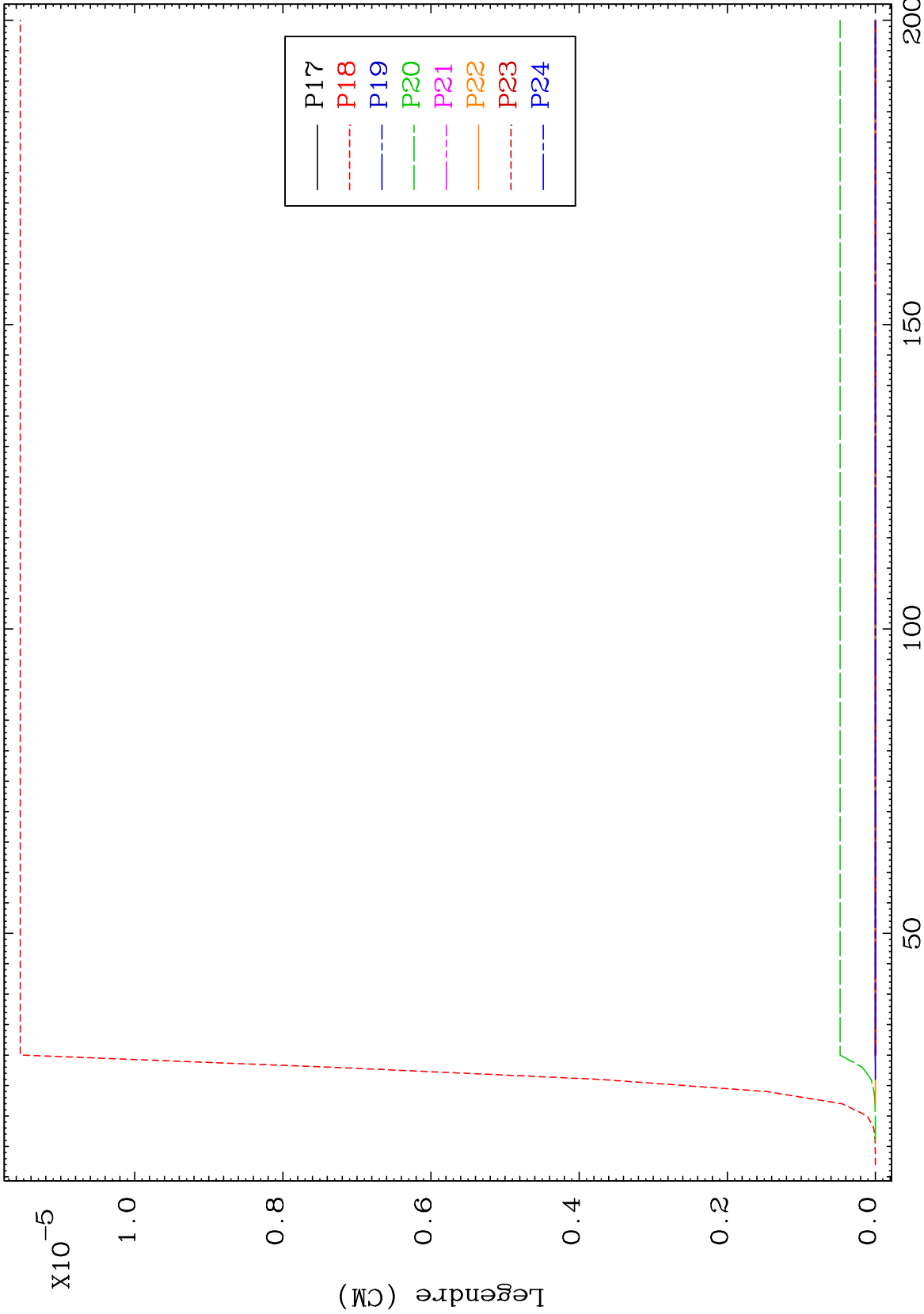
Incident Energy (MeV)

57-La-146

MAT 5749

MT= 75 (n,n') Level
Legendre Coefficients

57-La-146



106

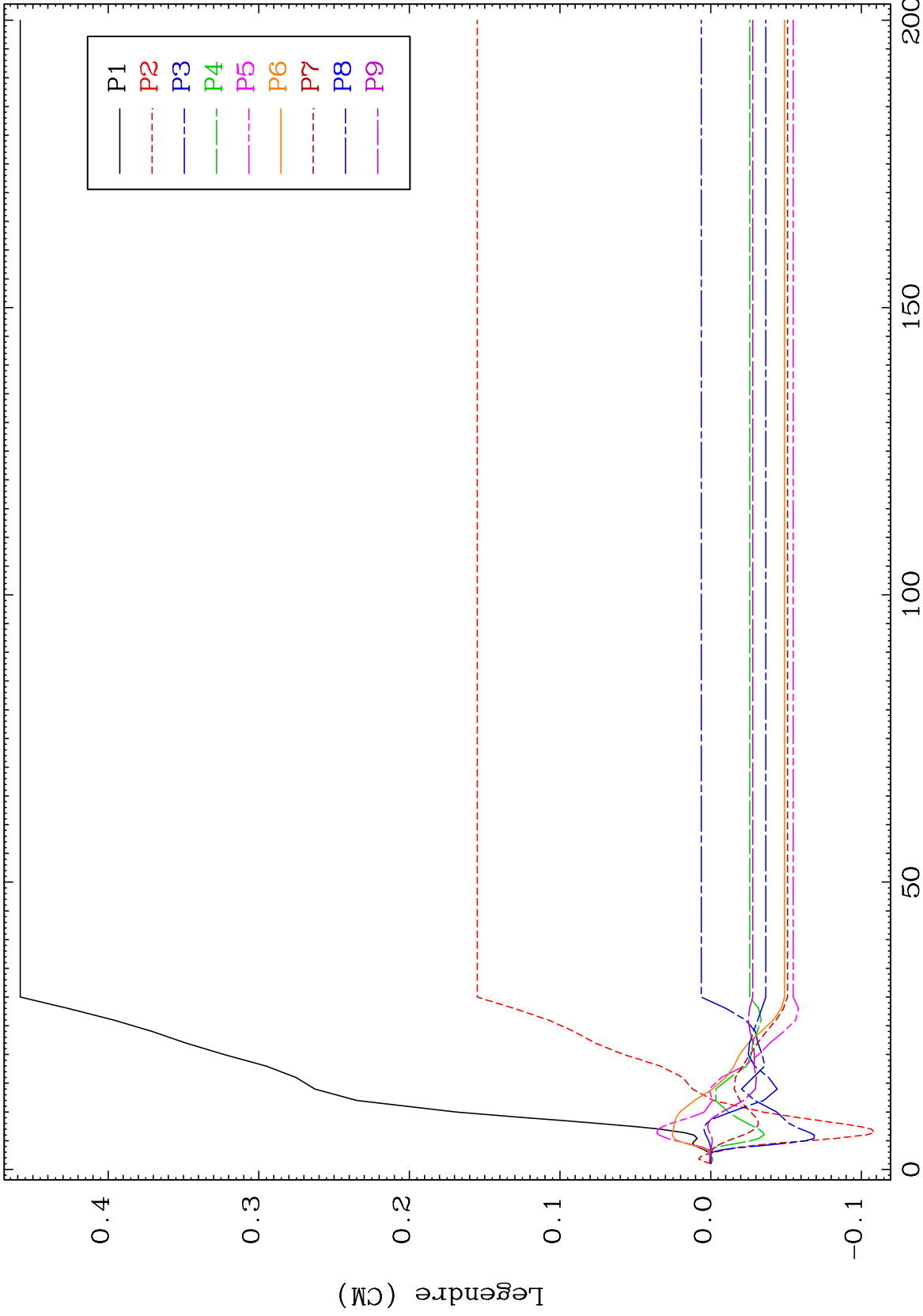
Incident Energy (MeV)

57-La-146

MAT 5749

MT= 76 (n,n') Level
Legendre Coefficients

57-La-146



107

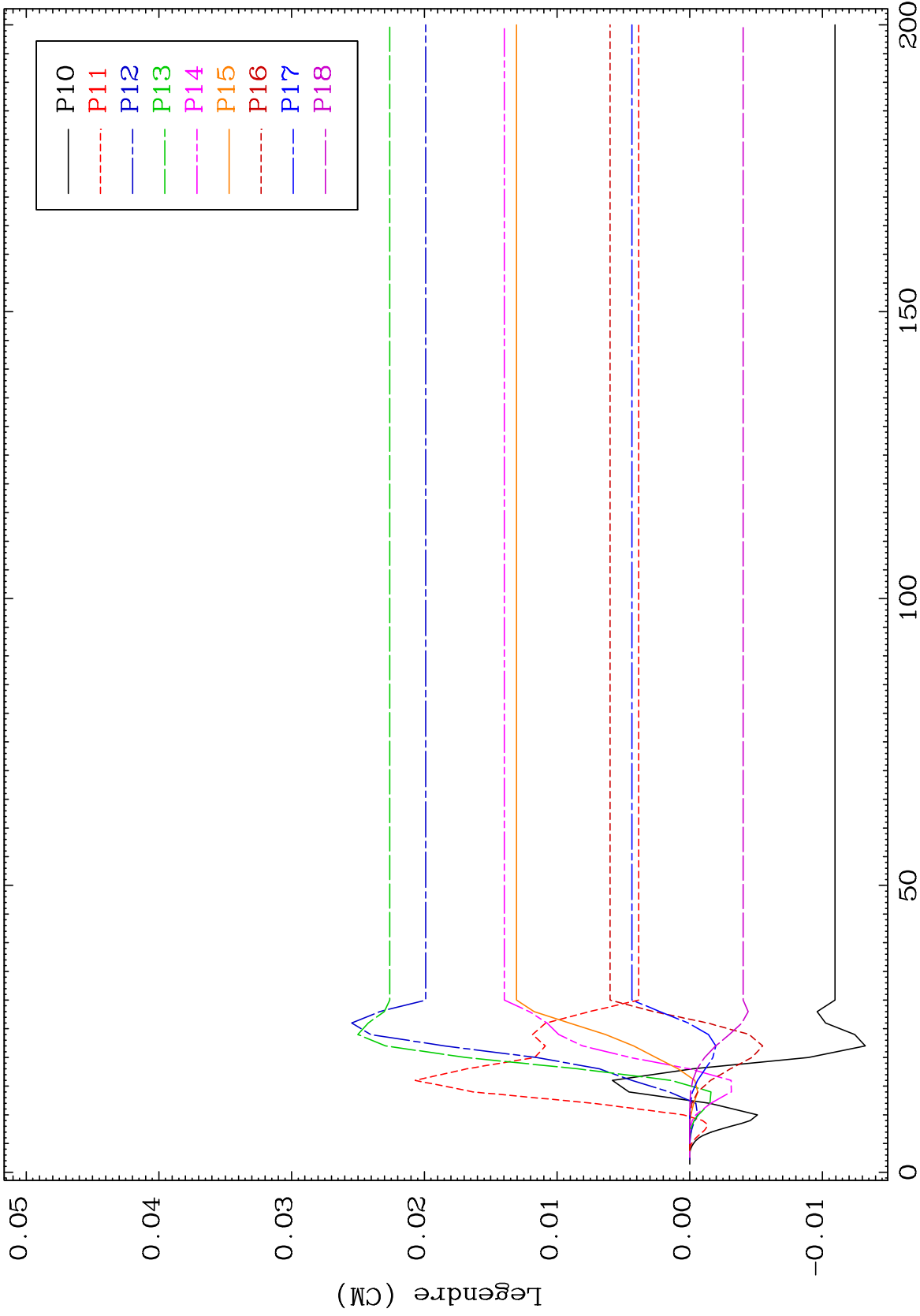
Incident Energy (MeV)

57-La-146

MAT 5749

MT= 76 (n,n') Level
Legendre Coefficients

57-La-146



108

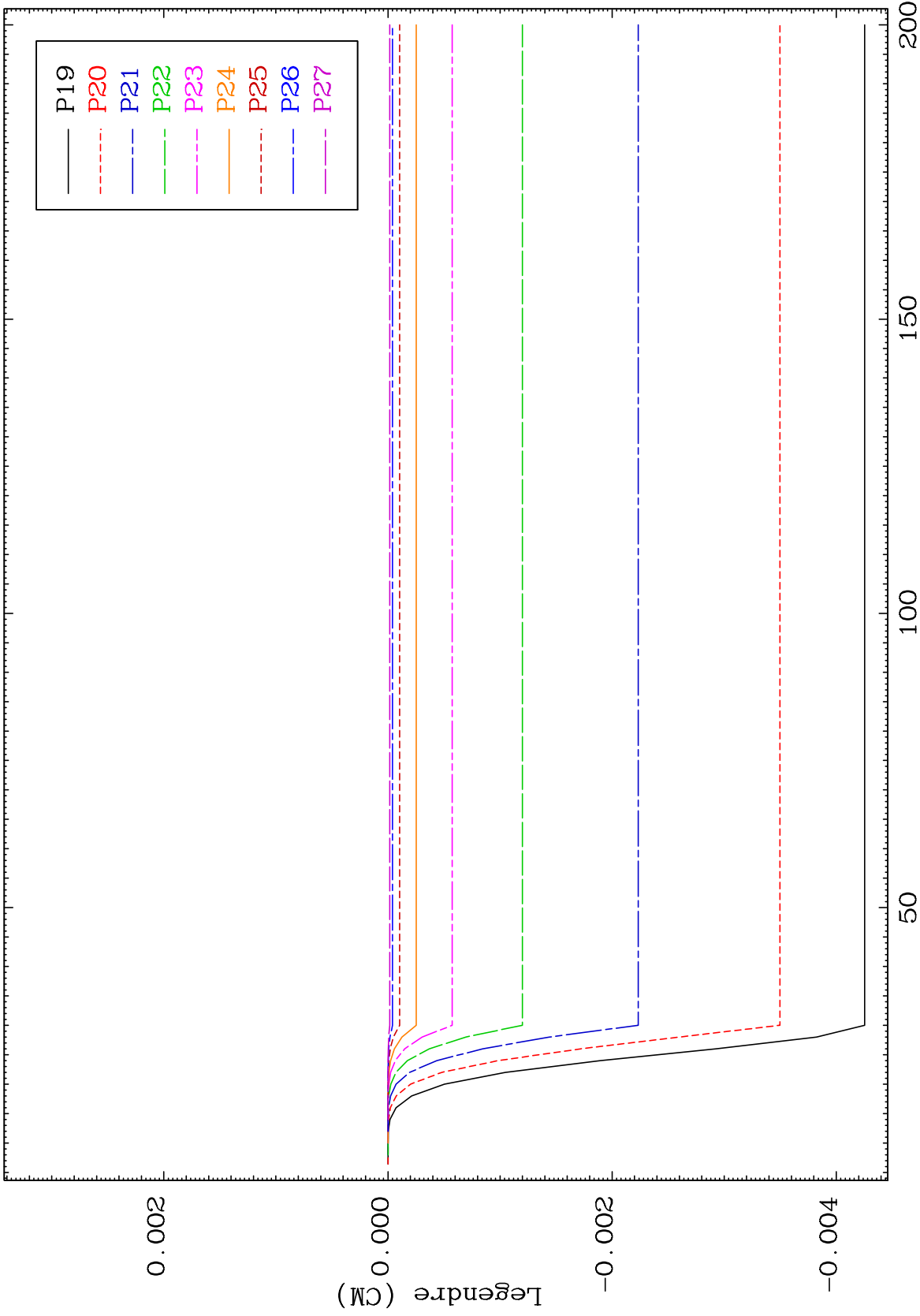
Incident Energy (MeV)

57-La-146

MAT 5749

MT= 76 (n,n') Level
Legendre Coefficients

57-La-146



109

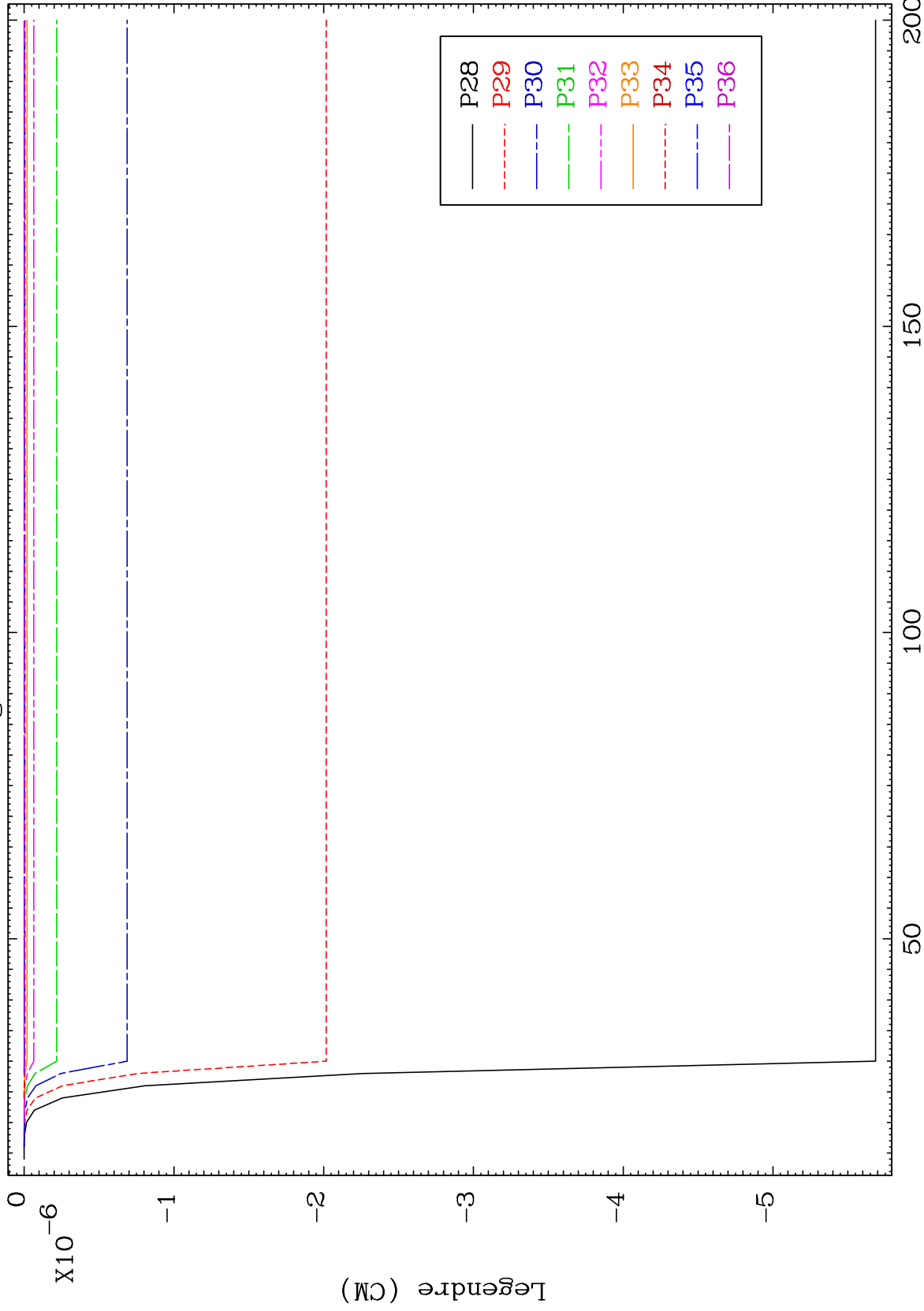
Incident Energy (MeV)

57-La-146

MAT 5749

MT= 76 (n,n') Level
Legendre Coefficients

57-La-146



57-La-146

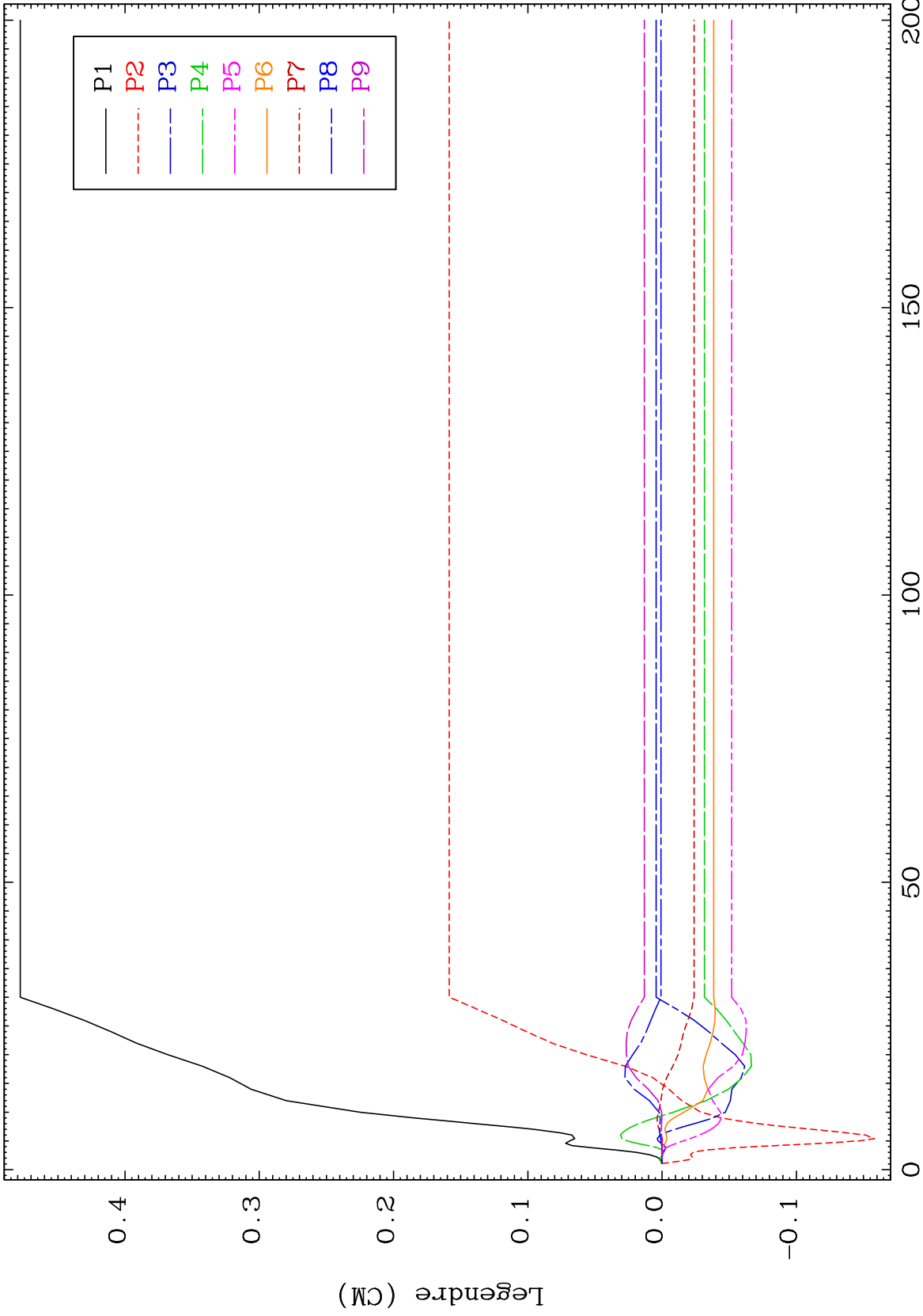
Incident Energy (MeV)

110

MAT 5749

MT= 77 (n,n') Level
Legendre Coefficients

57-La-146



111

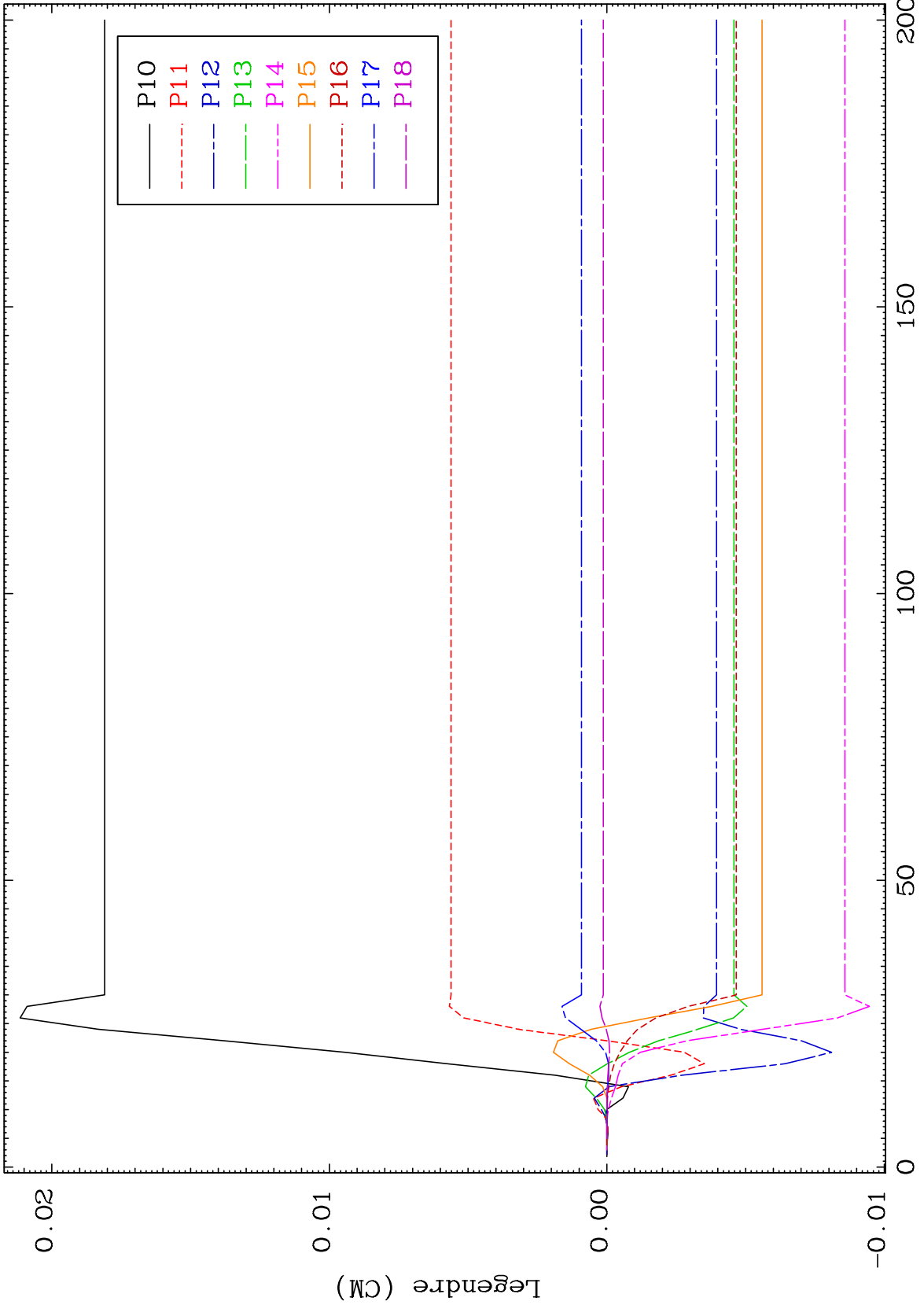
Incident Energy (MeV)

57-La-146

MAT 5749

MT= 77 (n,n') Level
Legendre Coefficients

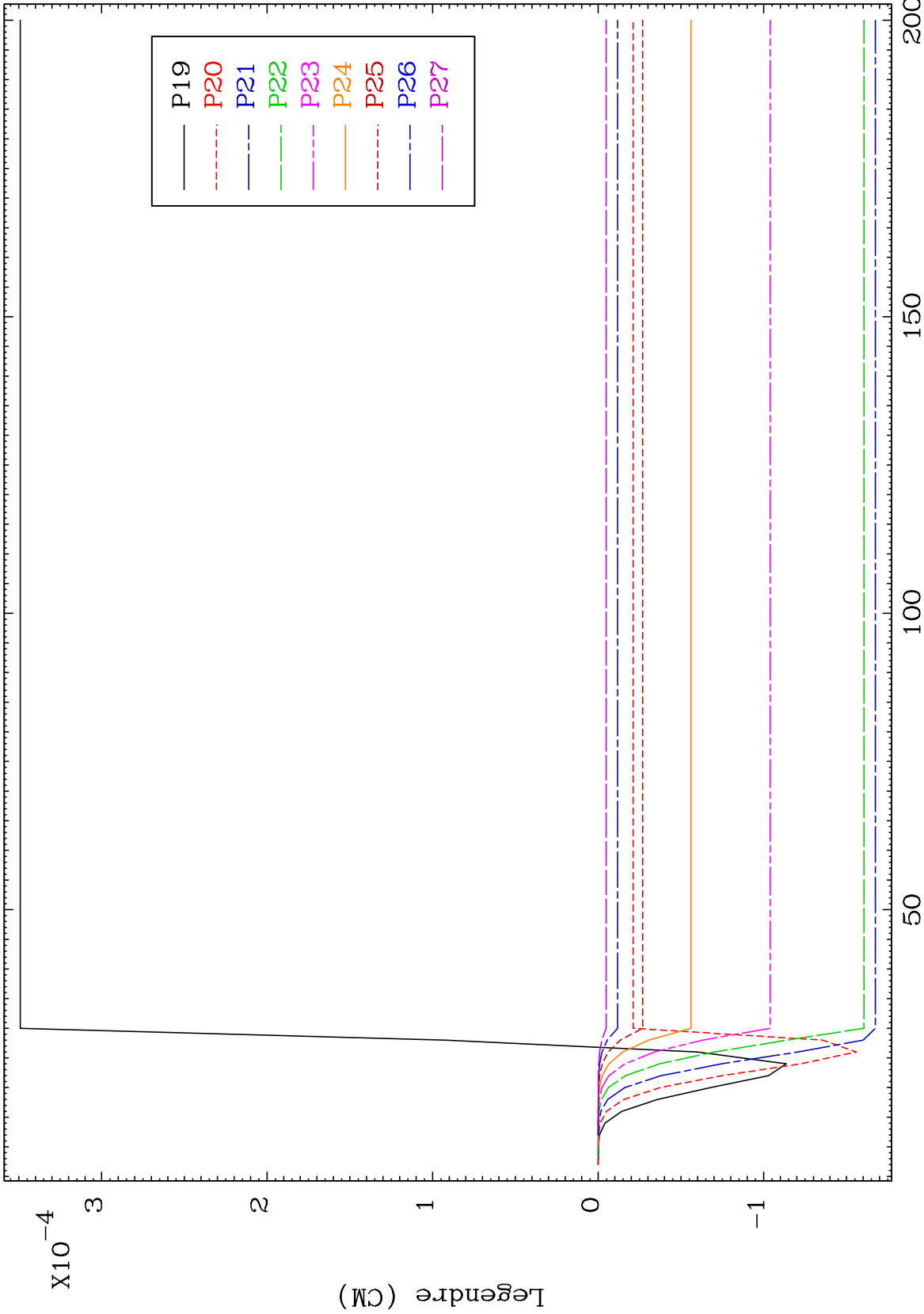
57-La-146



112

Incident Energy (MeV)

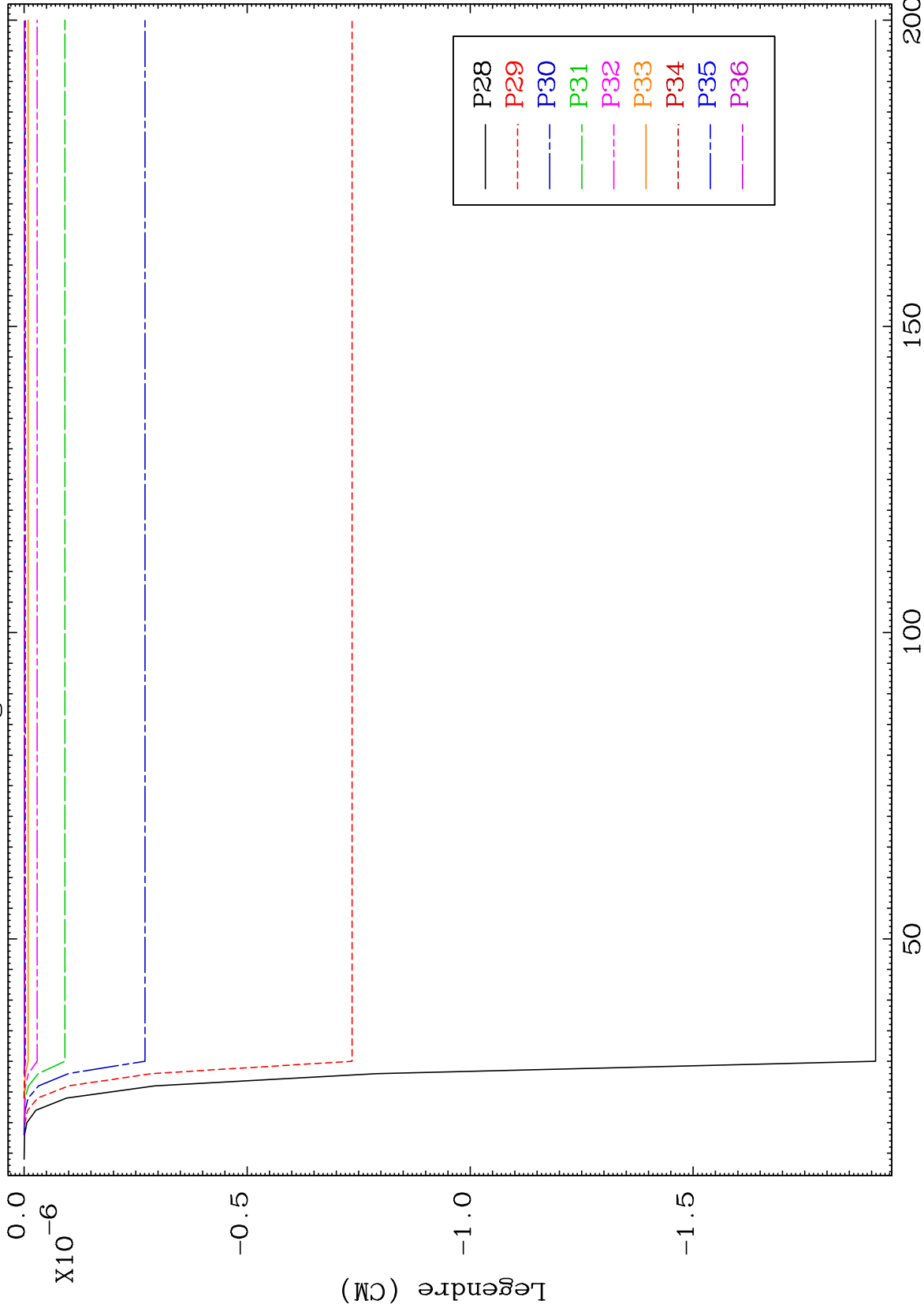
57-La-146



MAT 5749

MT= 77 (n,n') Level
Legendre Coefficients

57-La-146



114

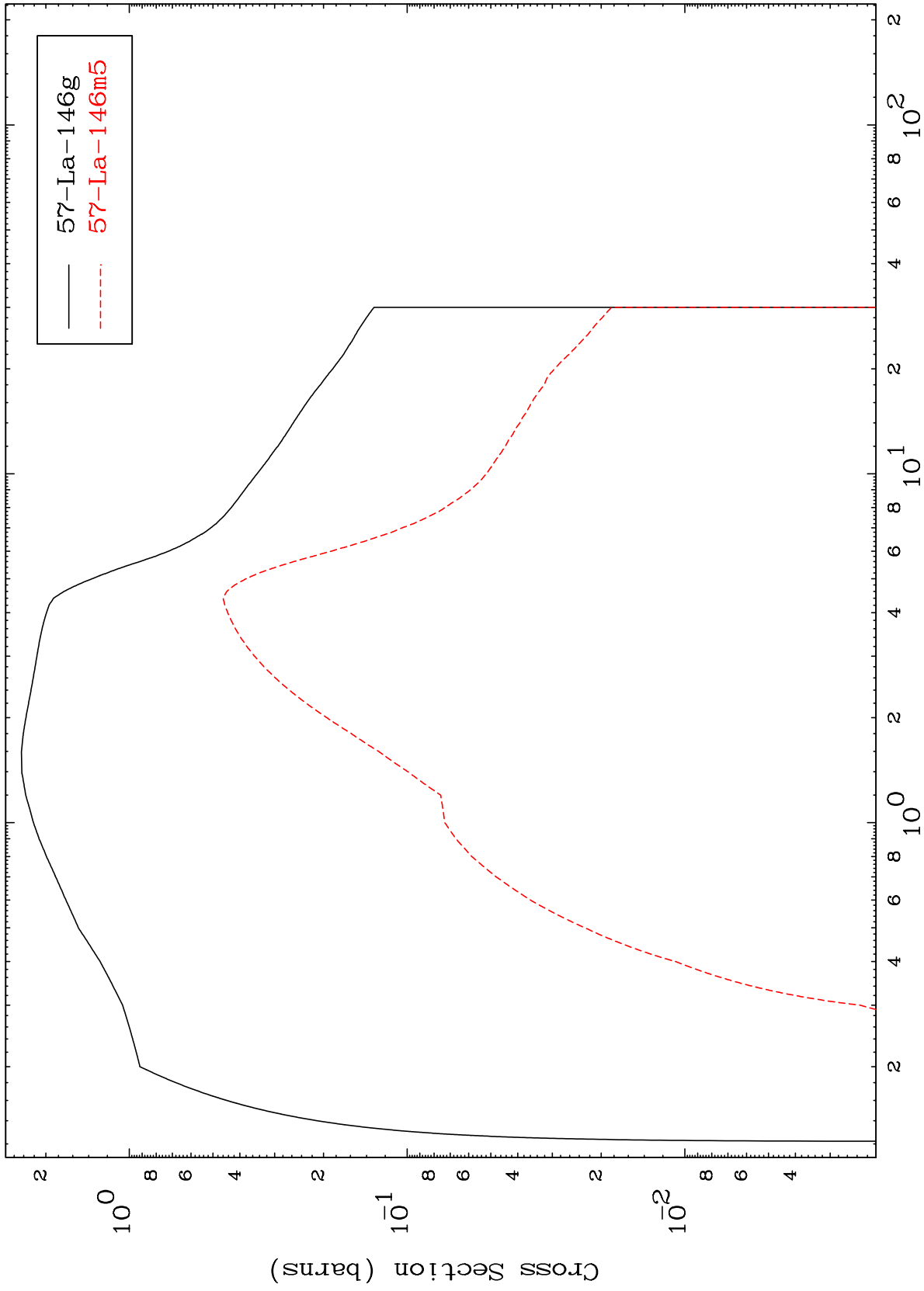
Incident Energy (MeV)

57-La-146

MAT 5749

57-La-146

Inelastic Radionuclide Production Cross Section



115

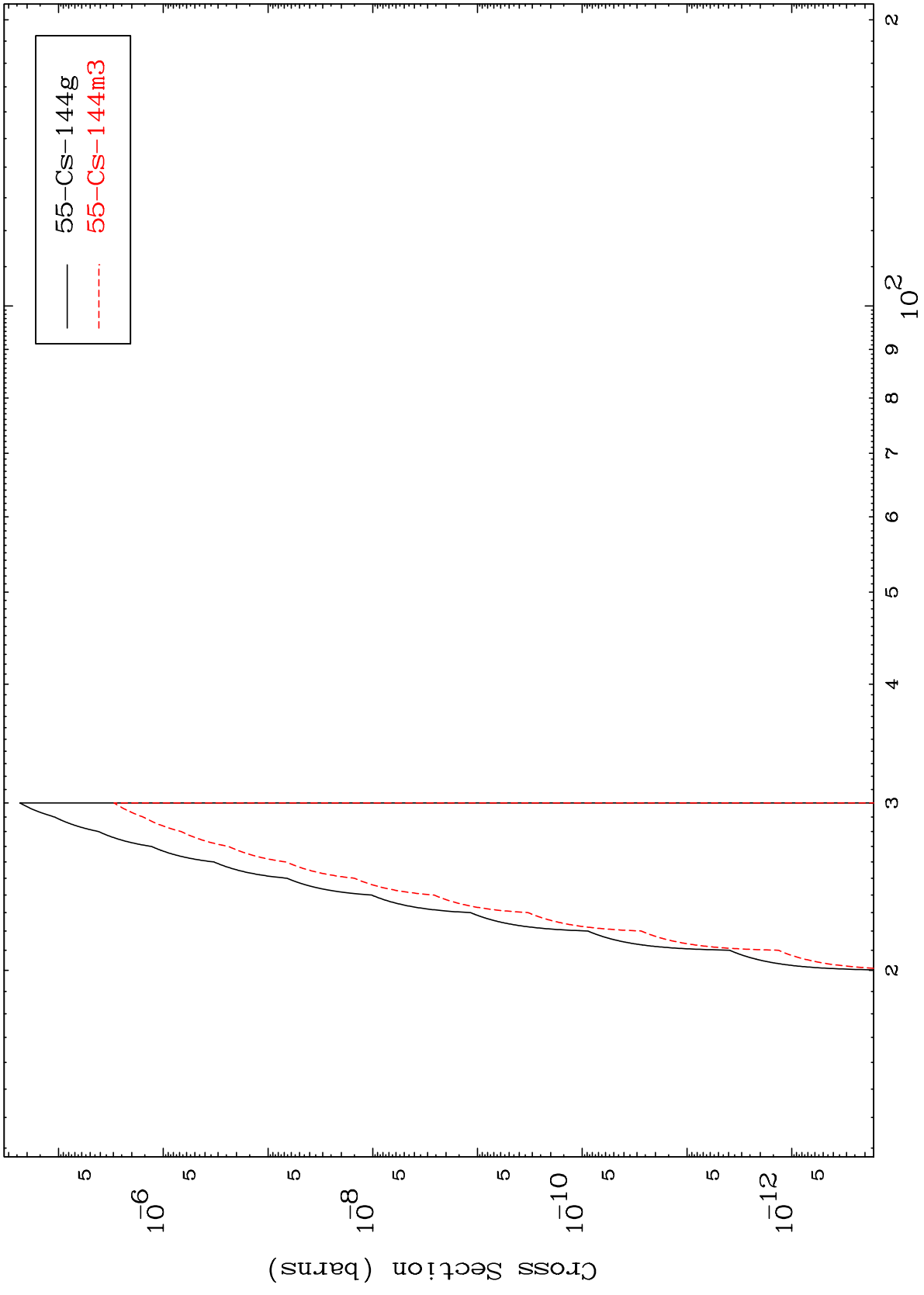
57-La-146

MAT 5749

(n, He-3)

57-La-146

Radionuclide Production Cross Section



116

Incident Energy (MeV)

57-La-146