

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

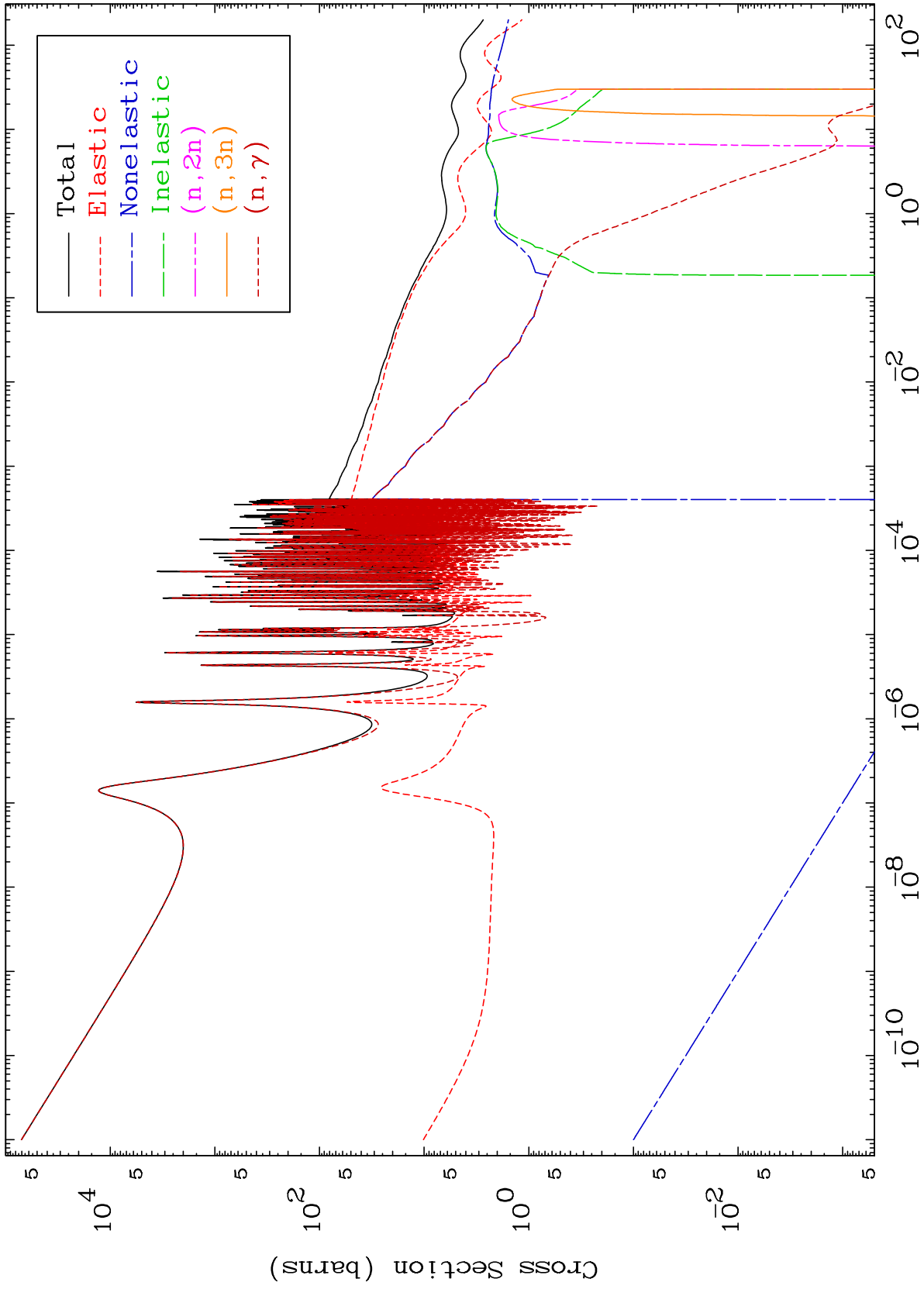
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7128

Neutron Major
293 Kelvin Cross Sections

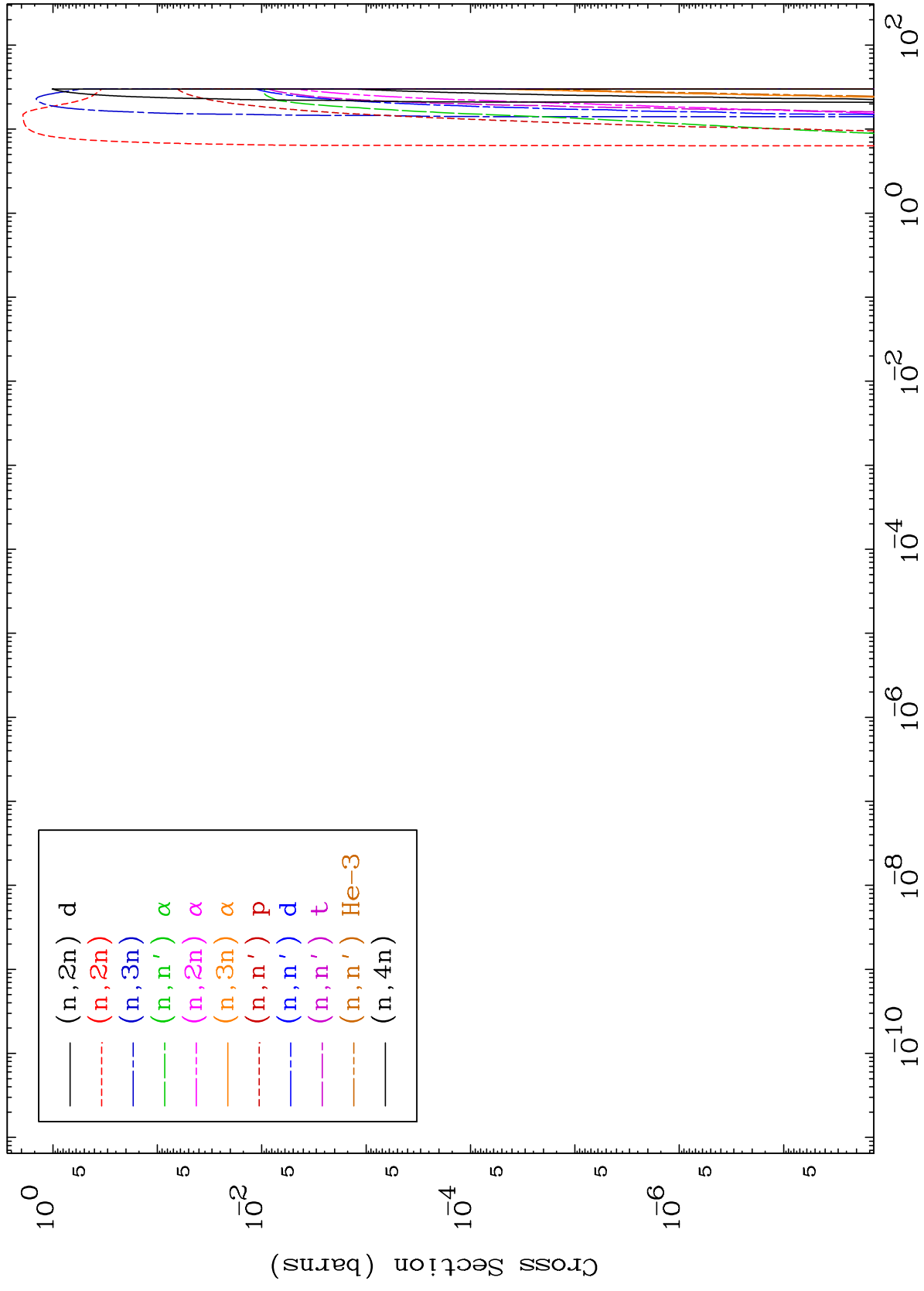
71-Lu-176

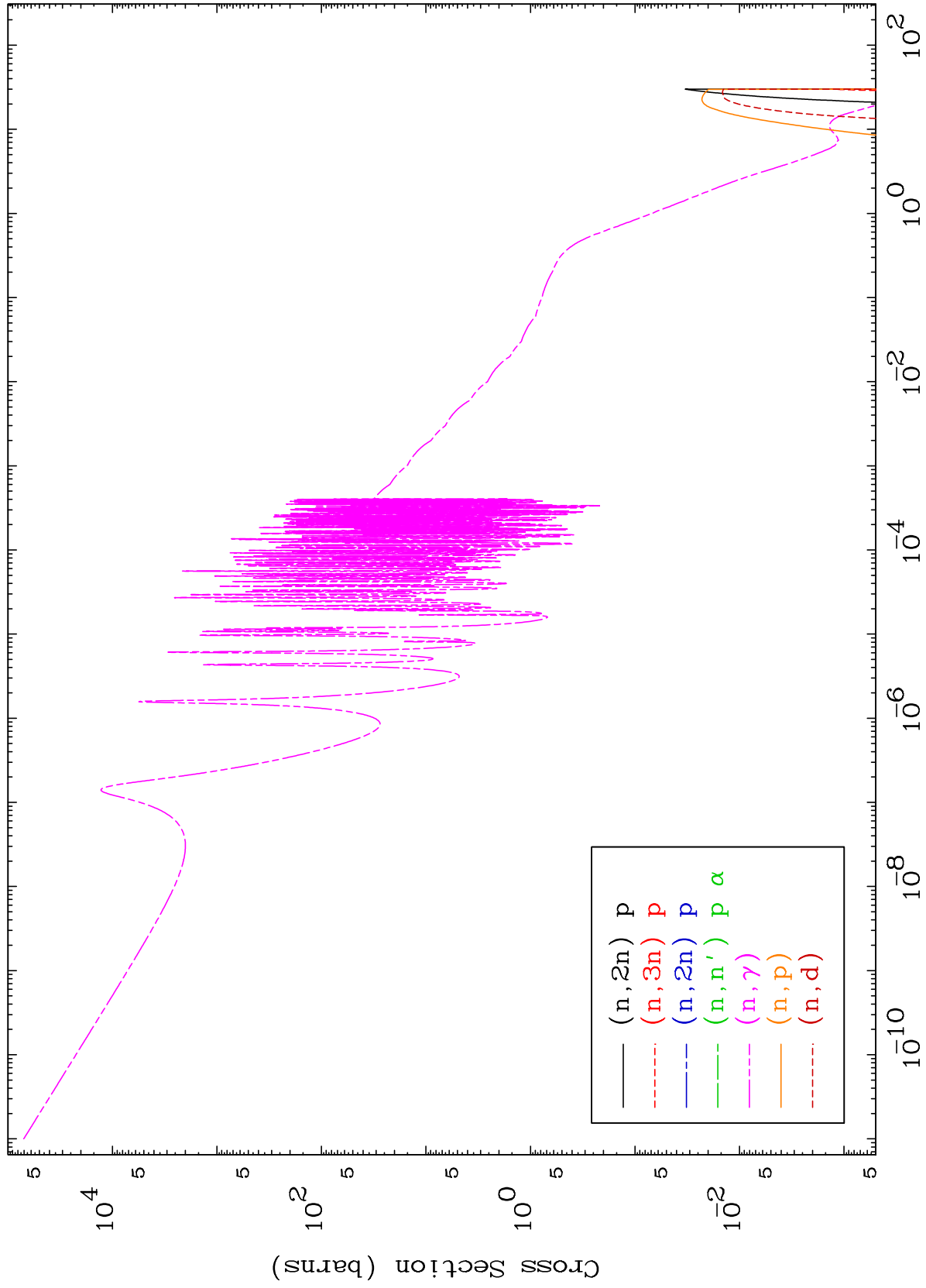


1

Incident Energy (MeV)

71-Lu-176

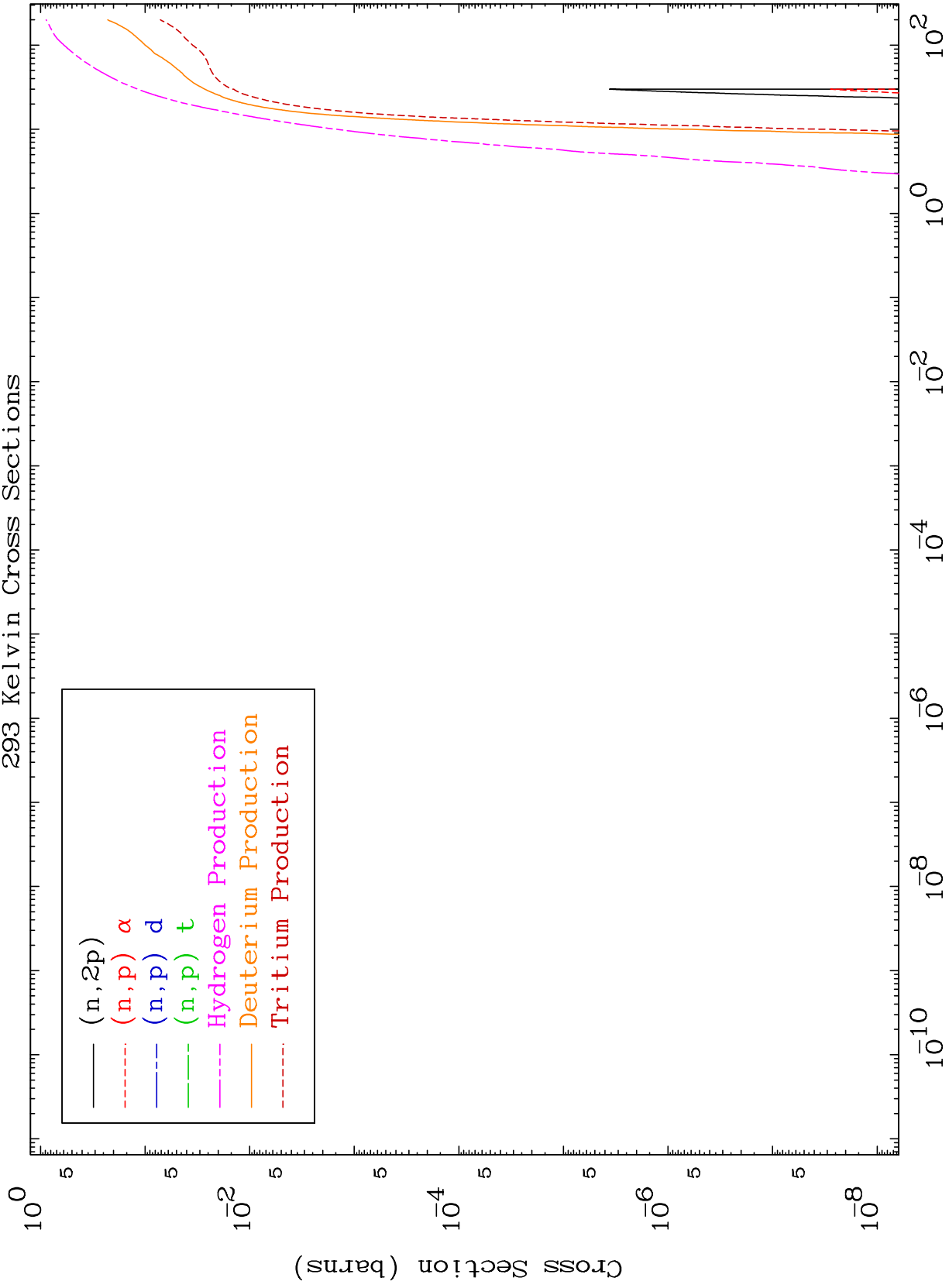




MAT 7128

Neutron Absorption
293 Kelvin Cross Sections

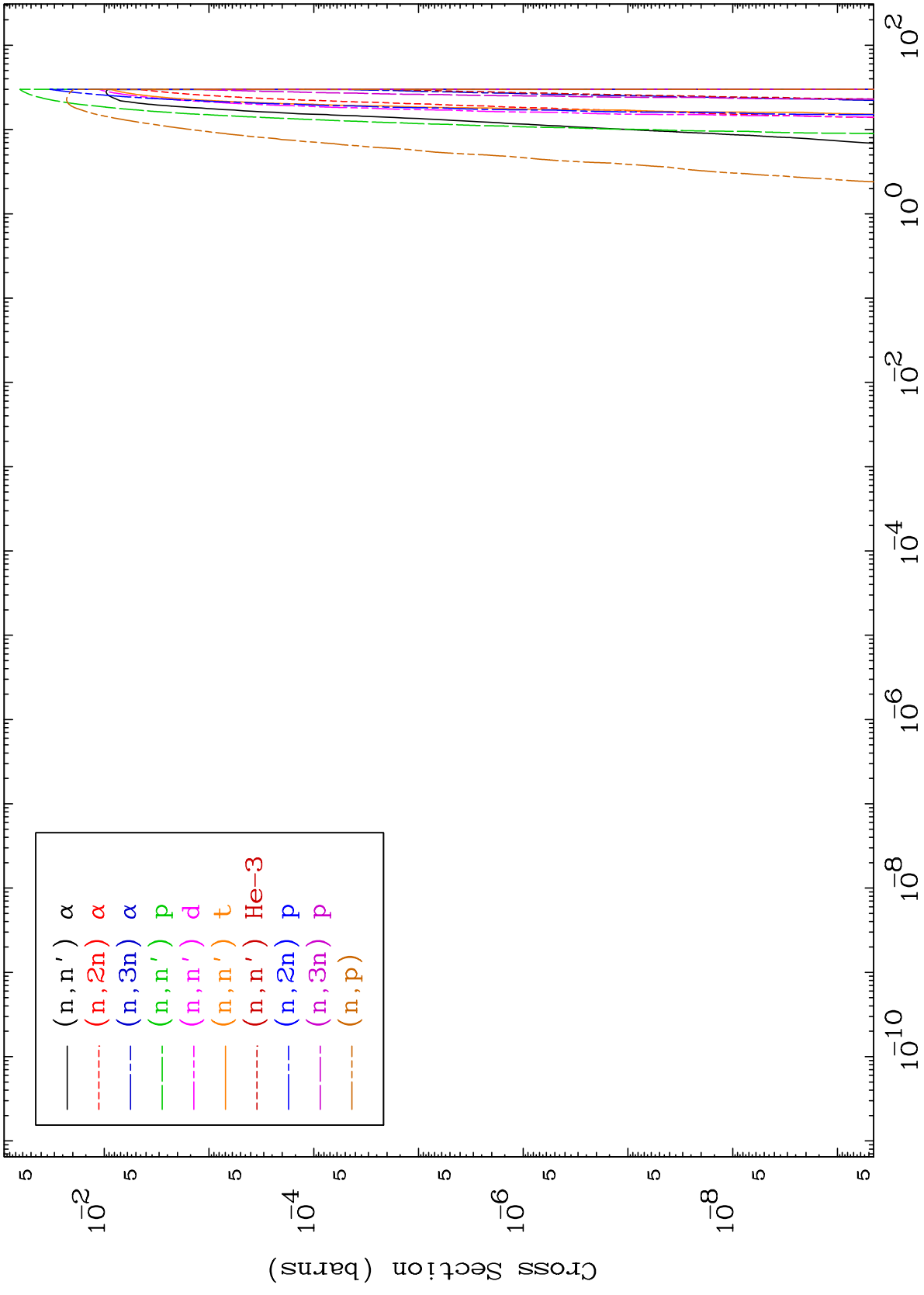
71-Lu-176



4

Incident Energy (MeV)

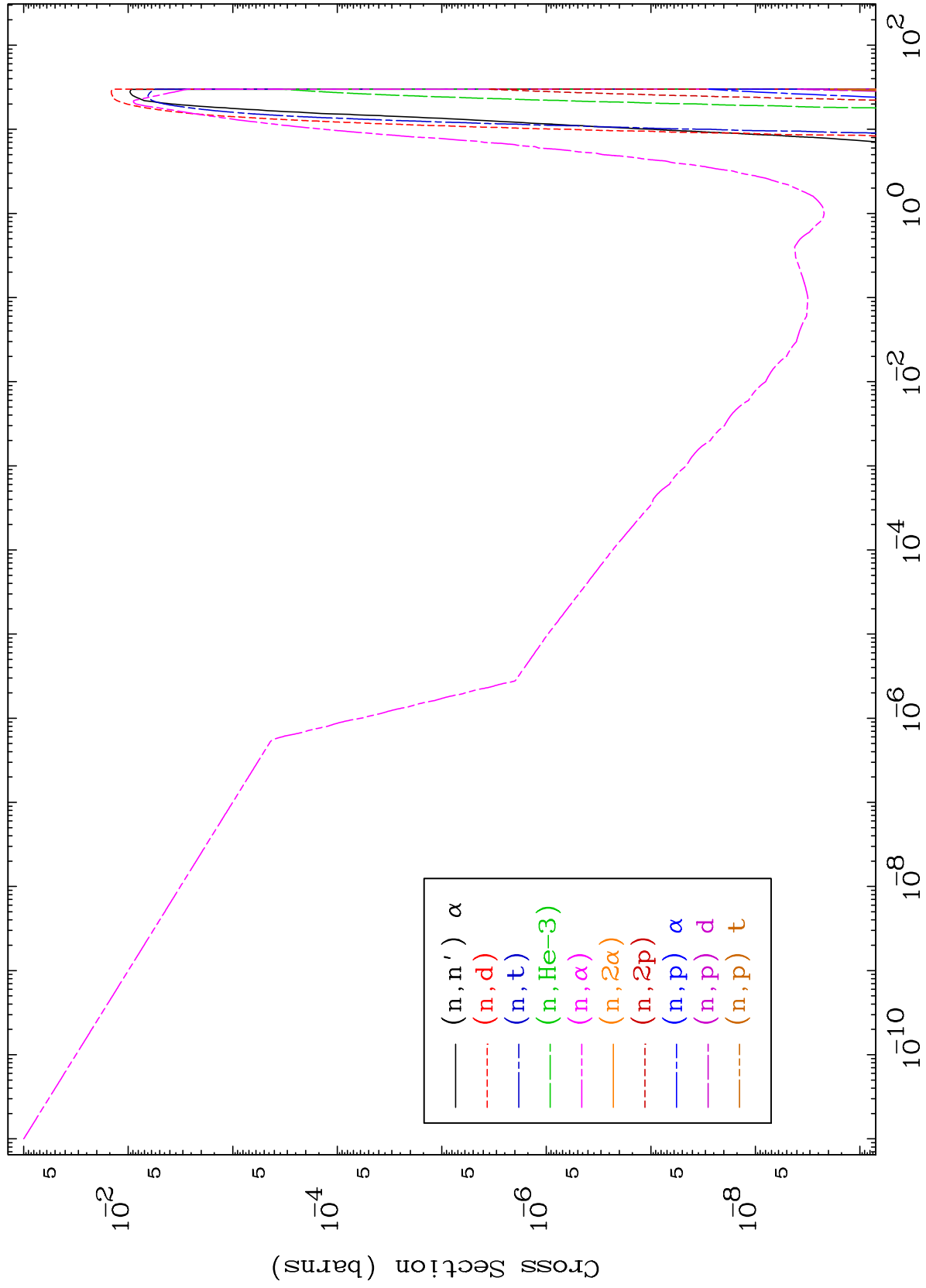
71-Lu-176



MAT 7128

293 Kelvin Cross Sections

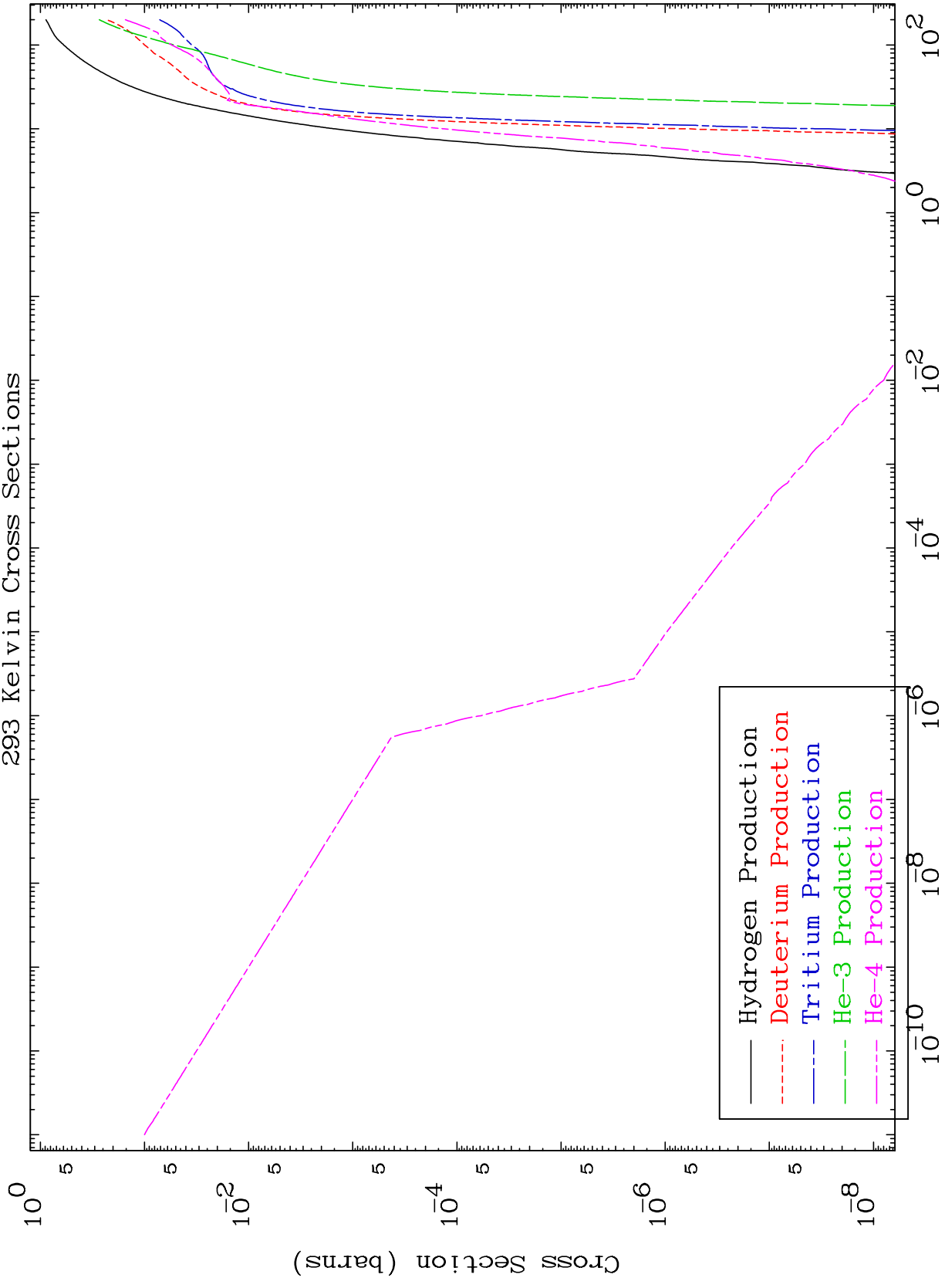
71-Lu-176



MAT 7128

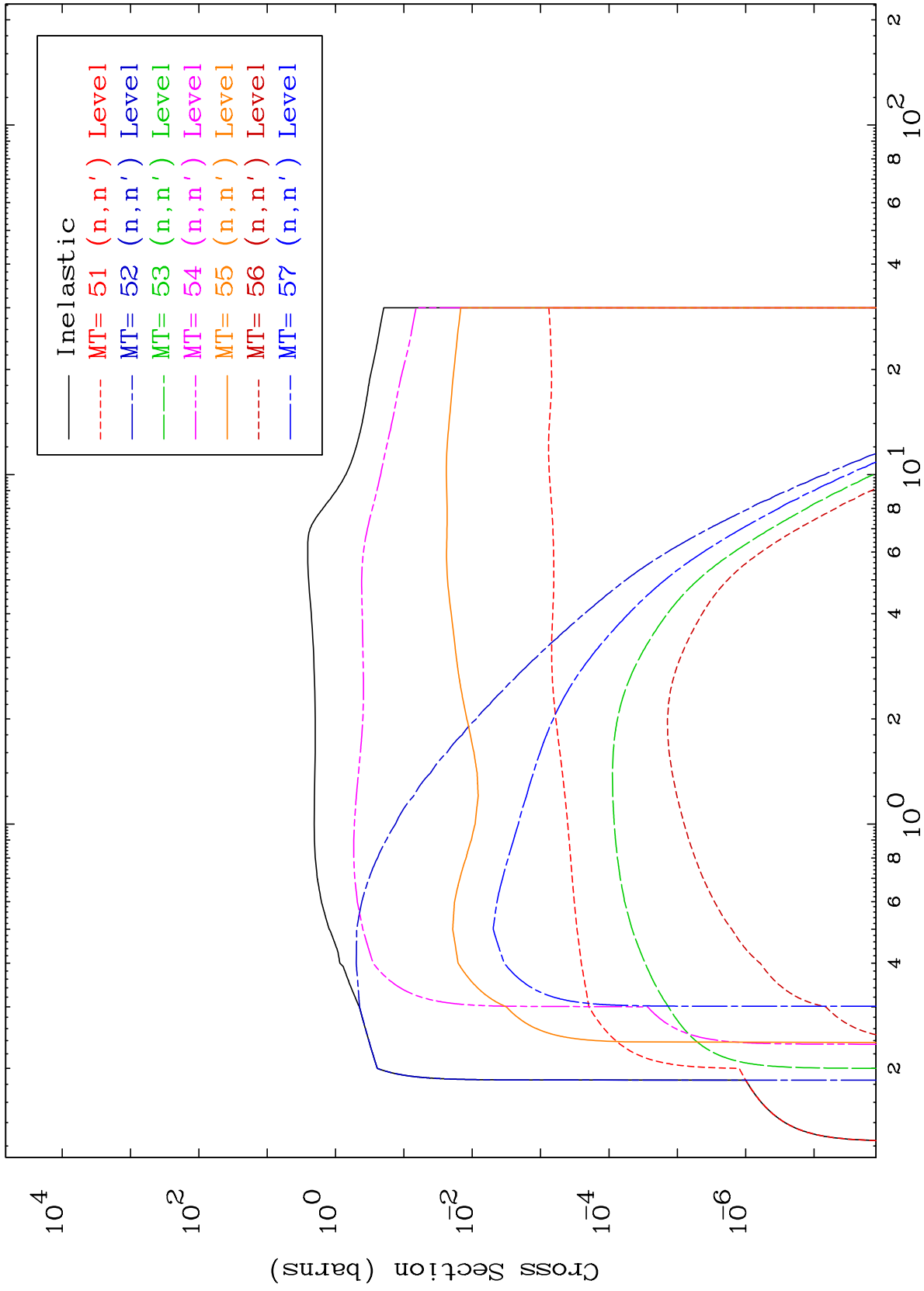
Particle Production
293 Kelvin Cross Sections

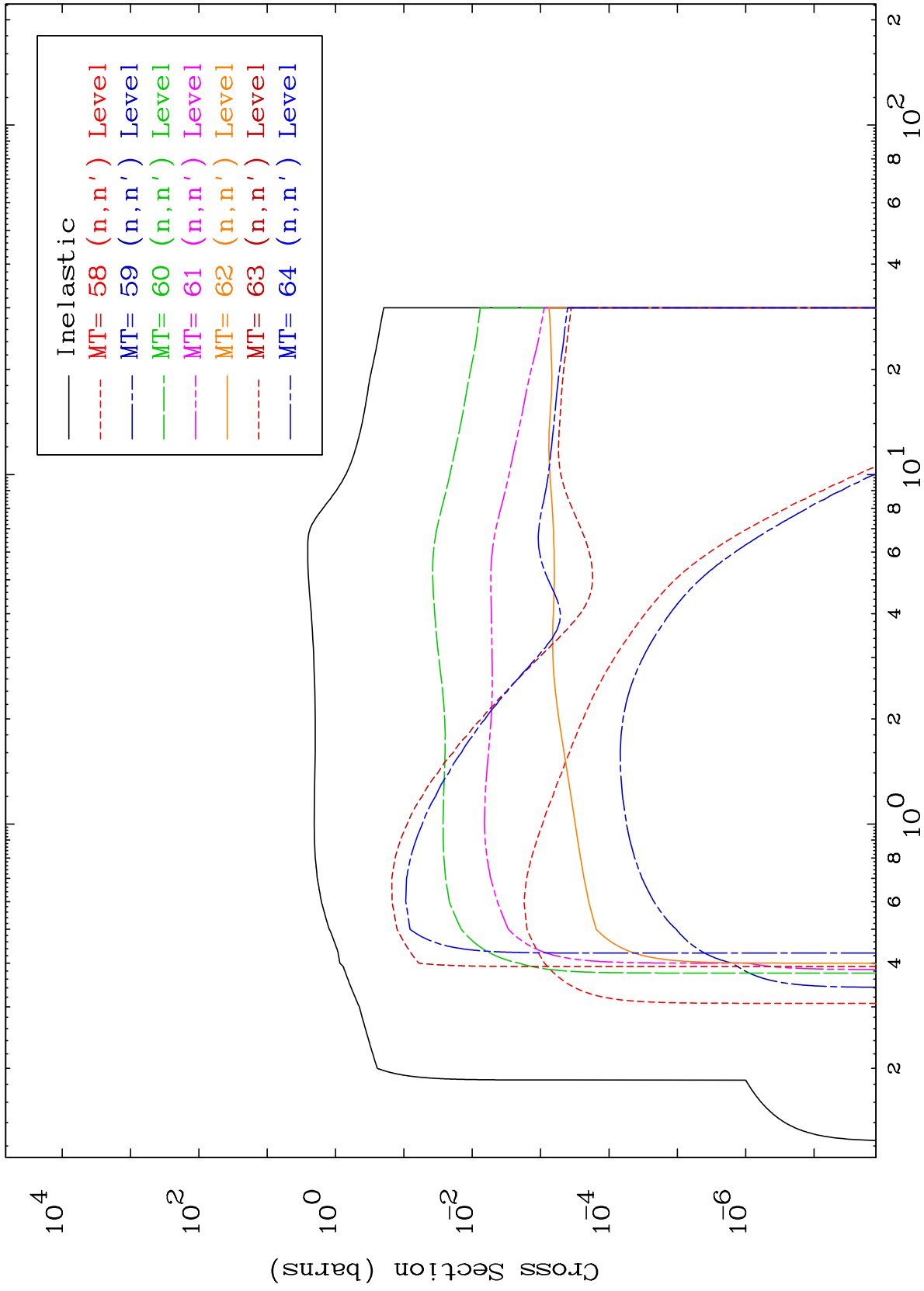
71-Lu-176



71-Lu-176

Incident Energy (MeV)

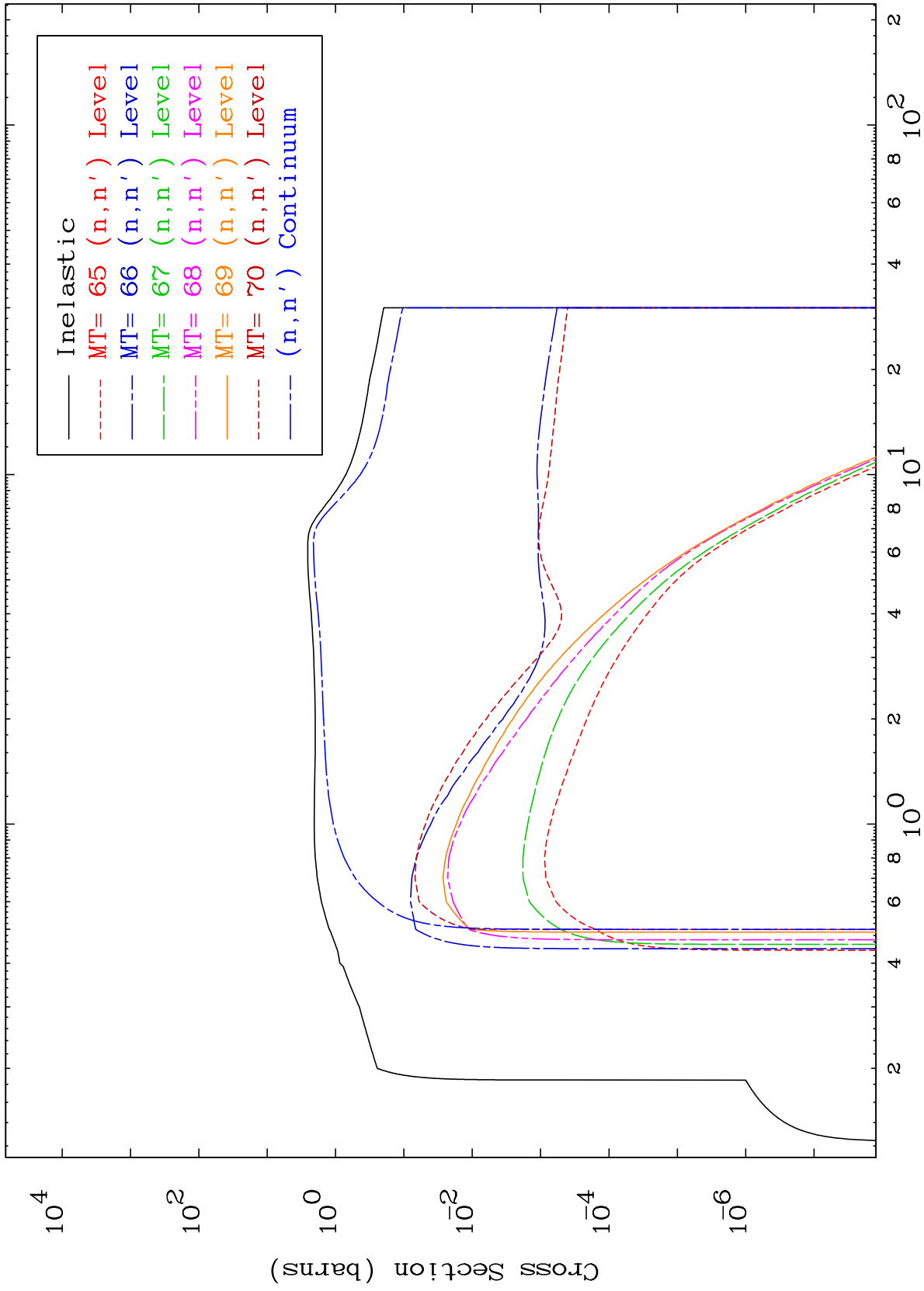




MAT 7128

(n,n') Levels
293 Kelvin Cross Sections

71-Lu-176



10

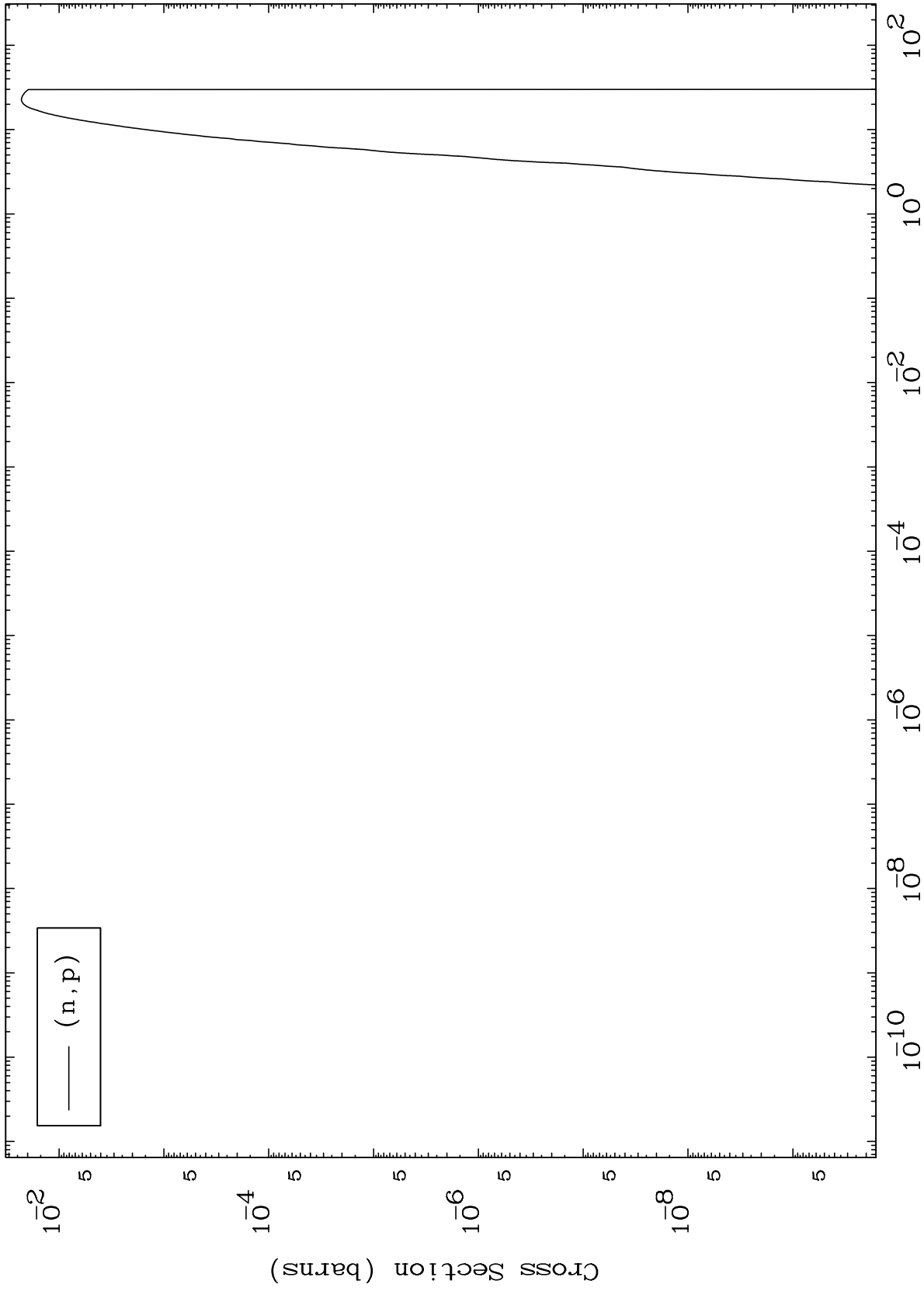
Incident Energy (MeV)

71-Lu-176

MAT 7128

(n,p) Levels
293 Kelvin Cross Sections

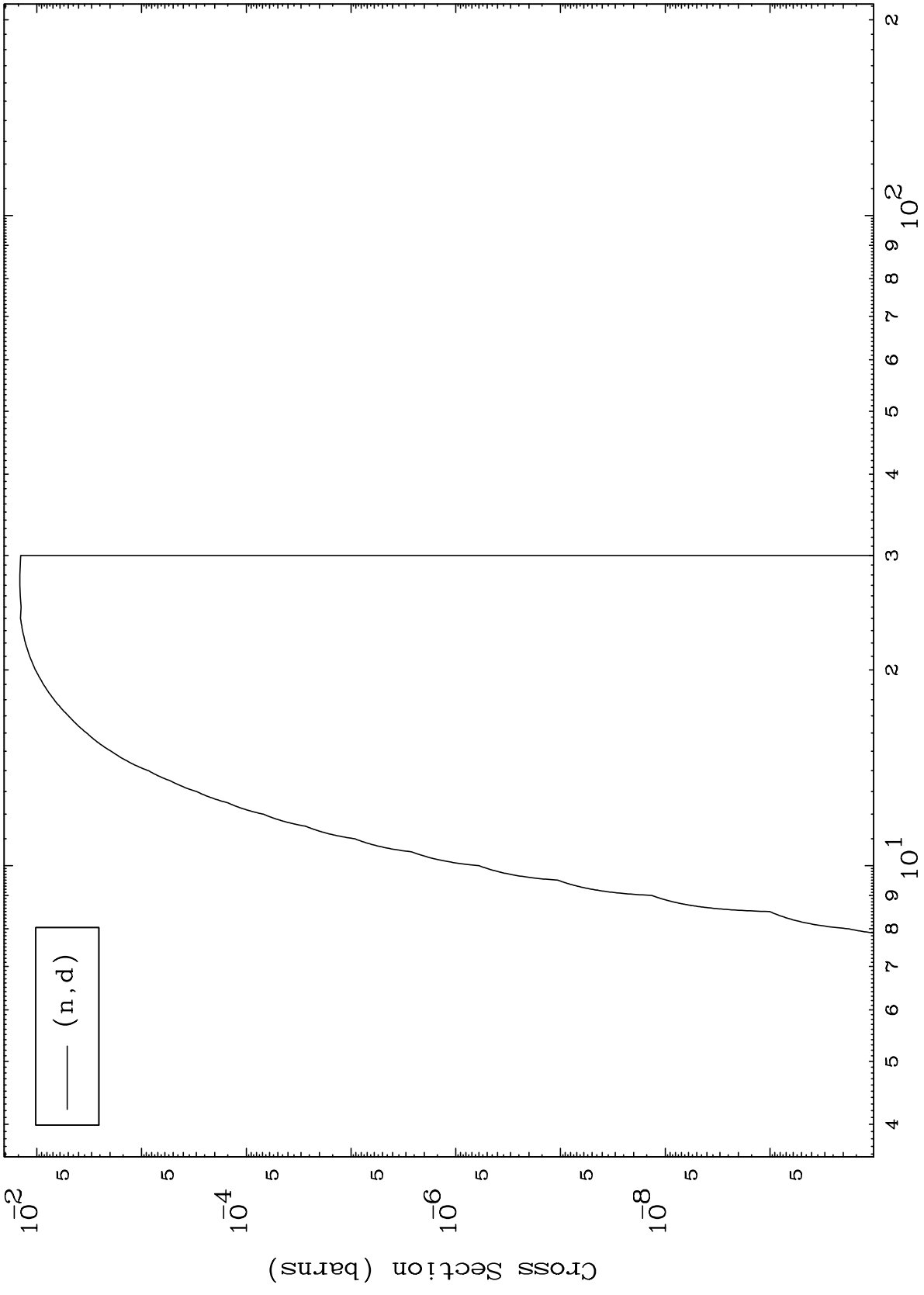
71-Lu-176



MAT 7128

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-176



12

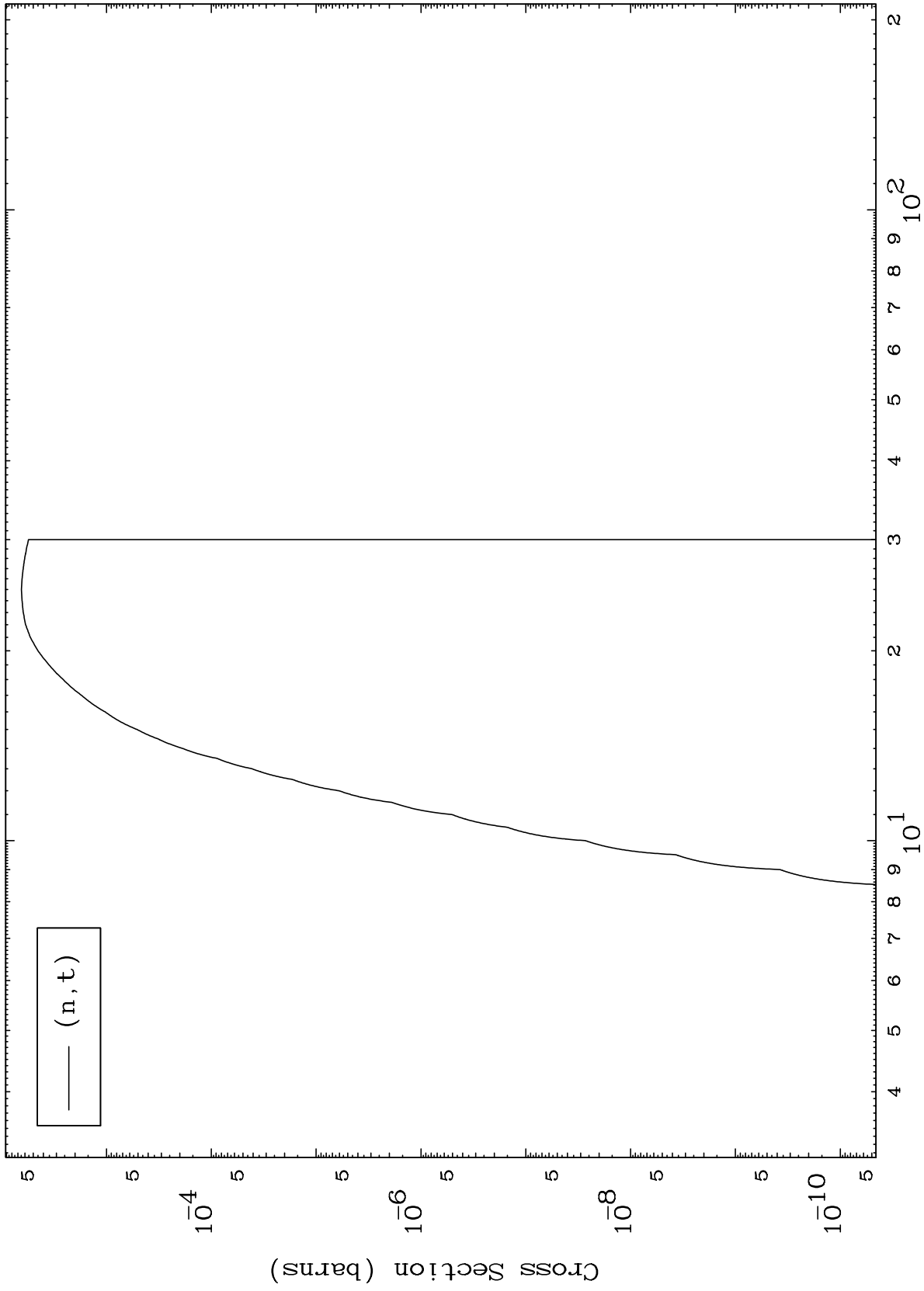
Incident Energy (MeV)

71-Lu-176

MAT 7128

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-176



13

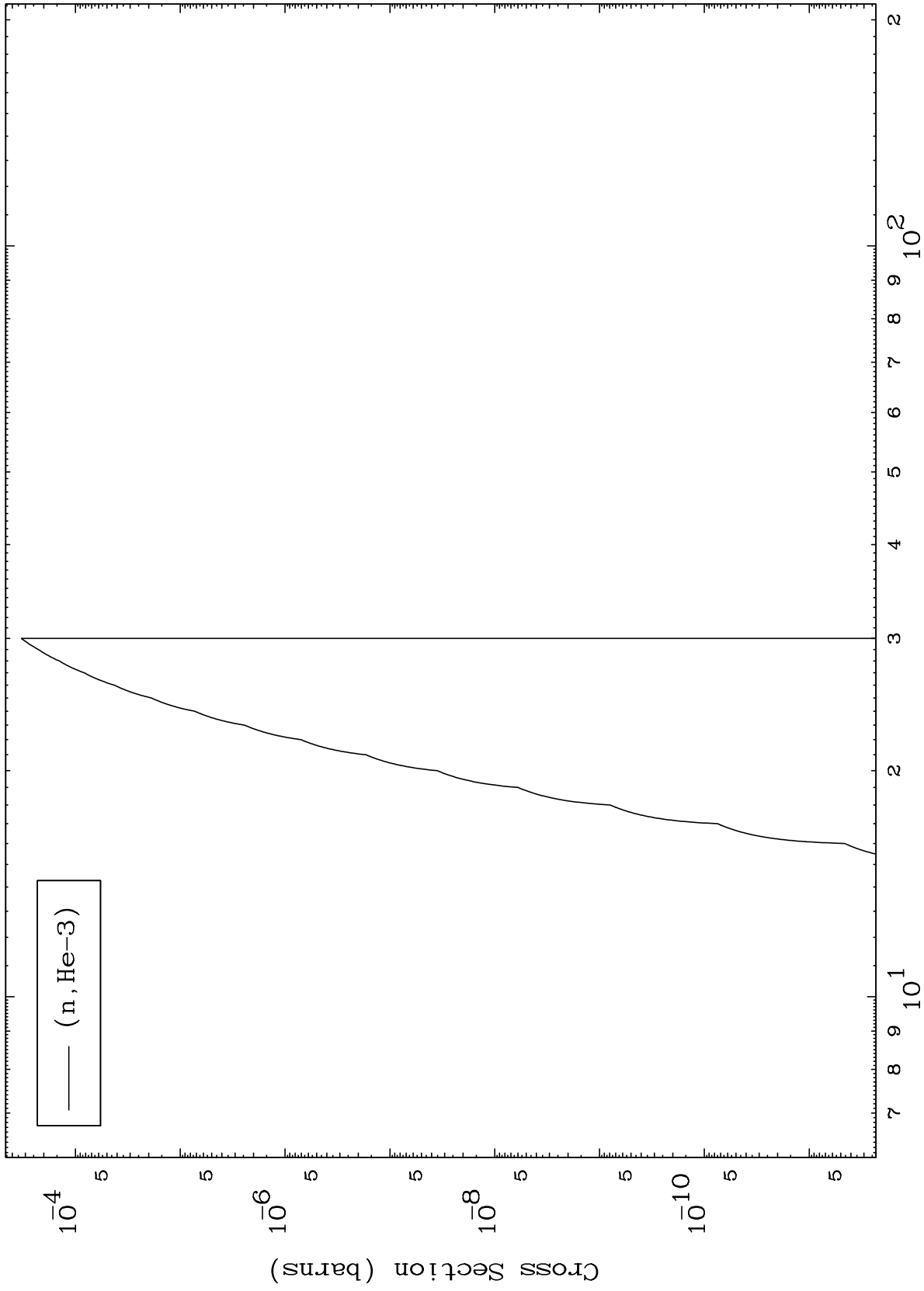
Incident Energy (MeV)

71-Lu-176

MAT 7128

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-176



14

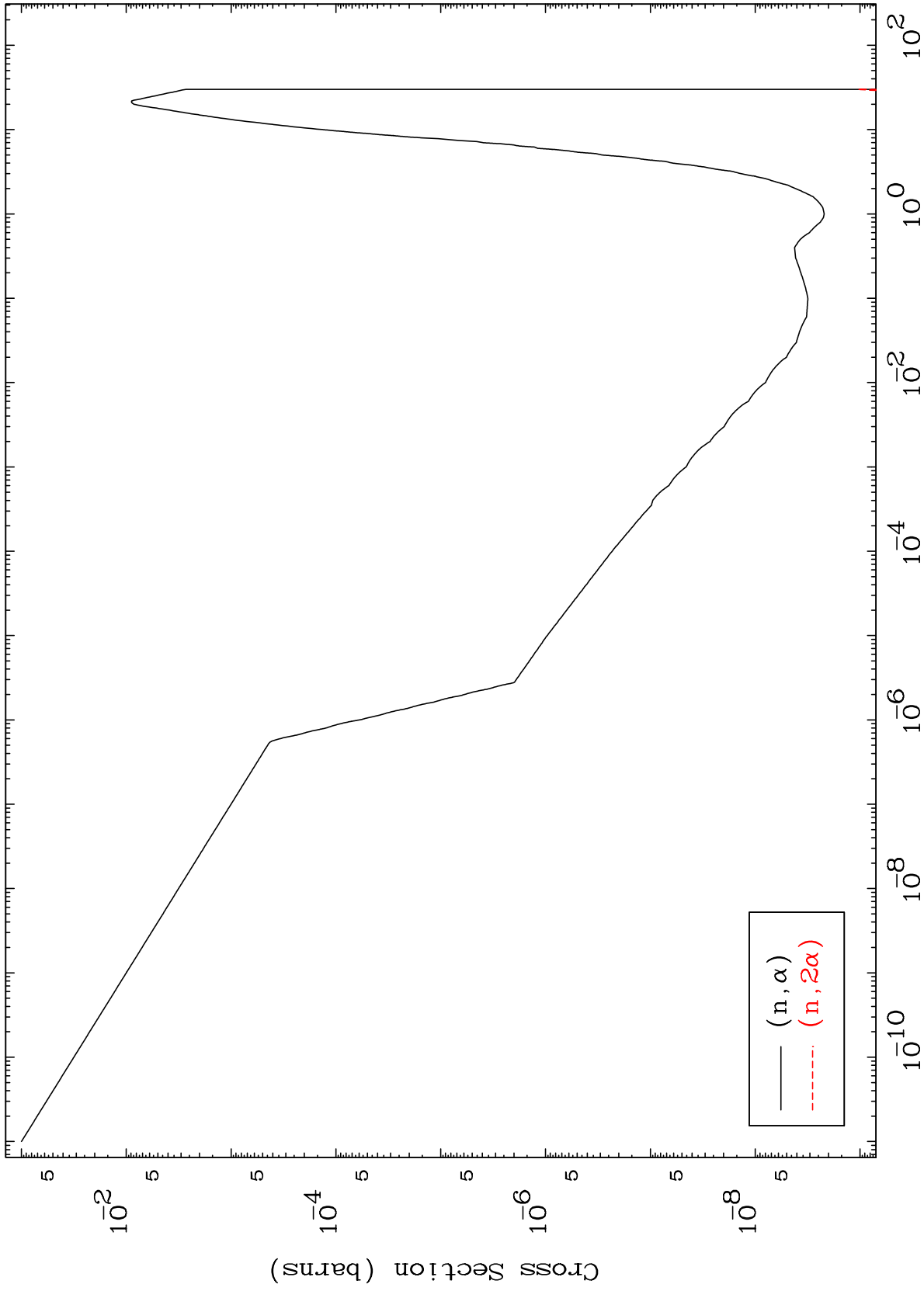
Incident Energy (MeV)

71-Lu-176

MAT 7128

(n,α) Levels
293 Kelvin Cross Sections

71-Lu-176



15

Incident Energy (MeV)

71-Lu-176

MAT 7128

71-Lu-176

Elastic Legendre Coefficients



16

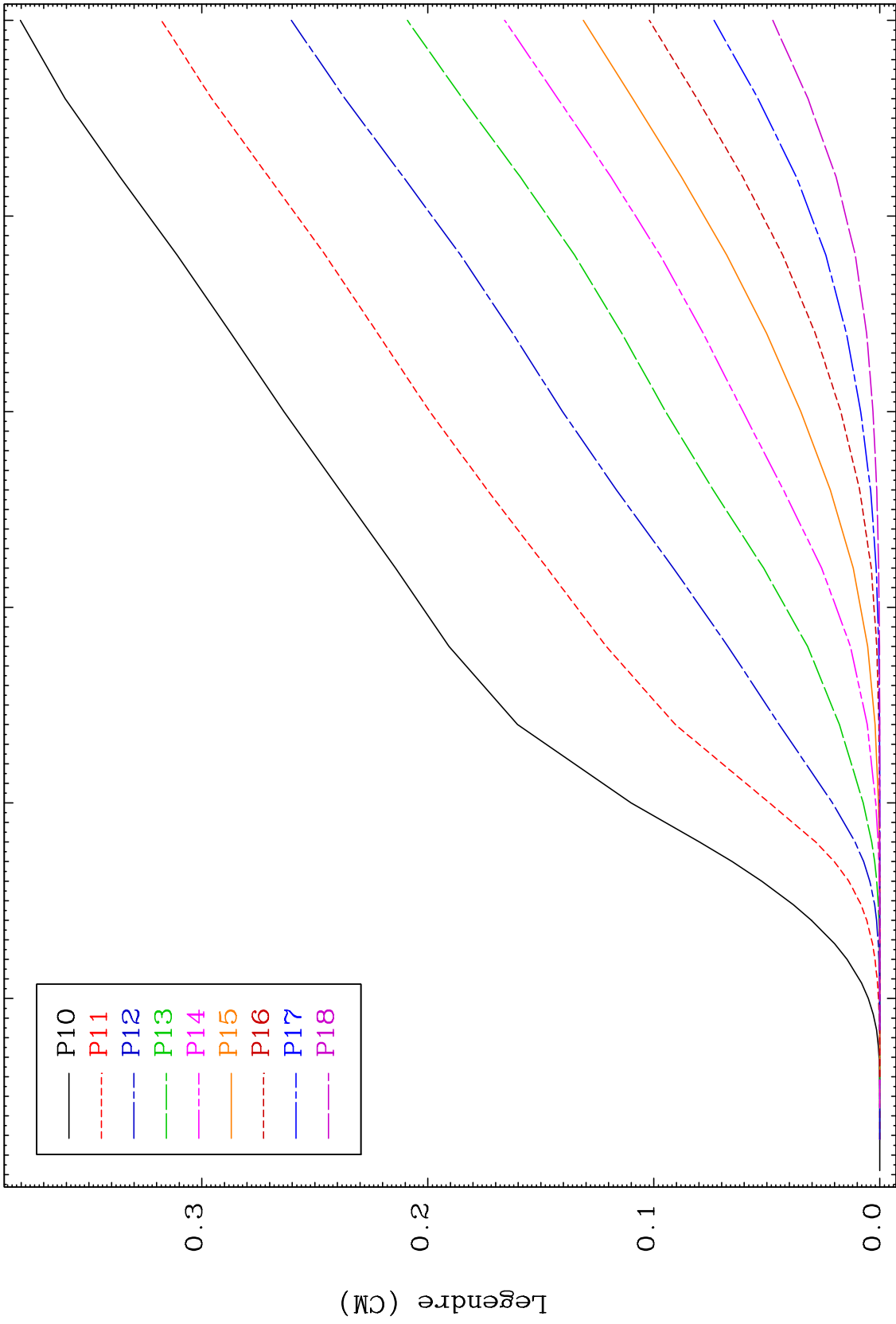
Incident Energy (MeV)

71-Lu-176

MAT 7128

Elastic Legendre Coefficients

71-Lu-176

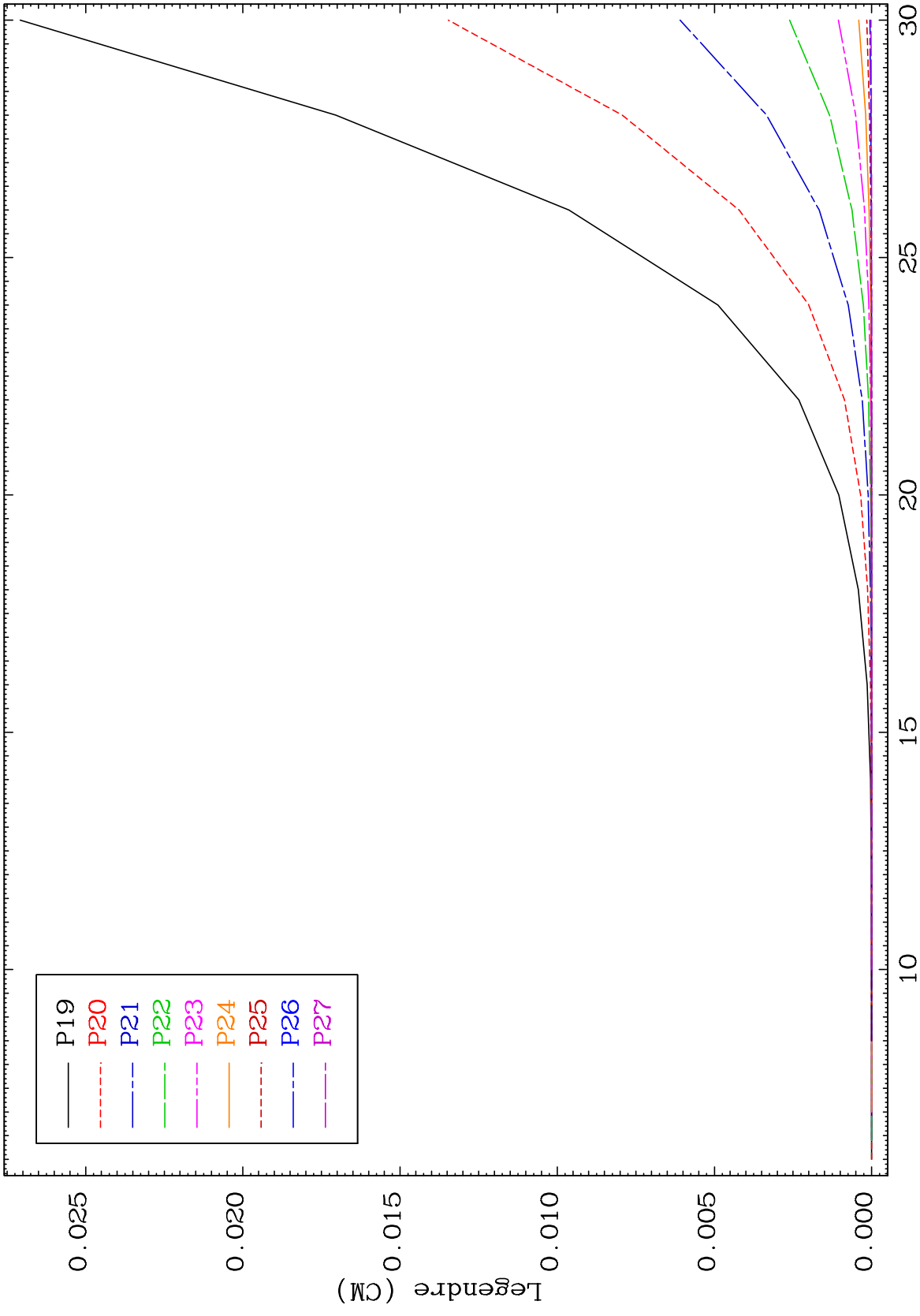


17

Incident Energy (MeV)

71-Lu-176

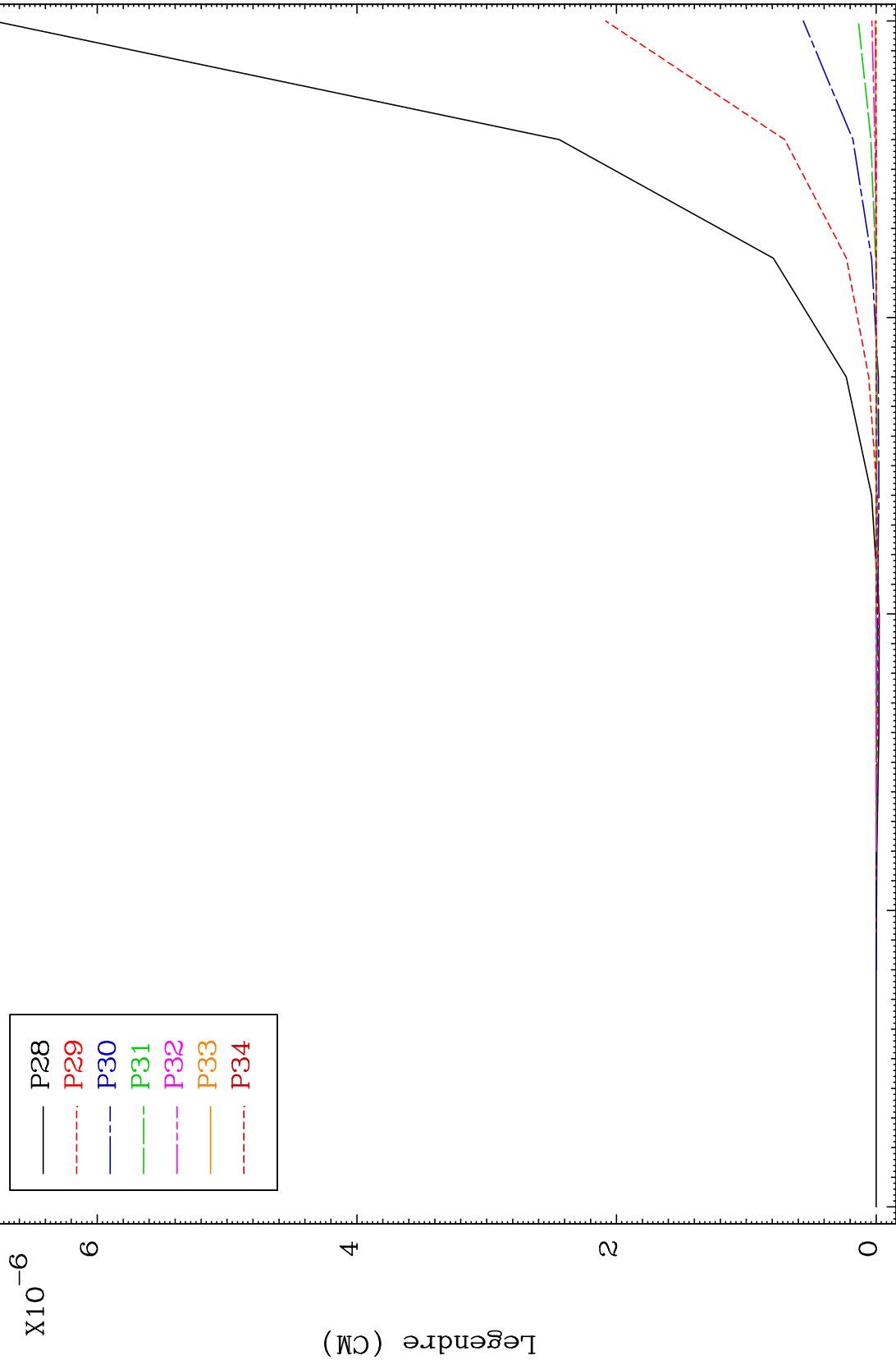
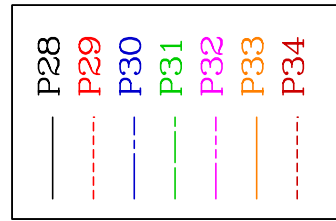
Elastic Legendre Coefficients



MAT 7128

Elastic Legendre Coefficients

71-Lu-176



19

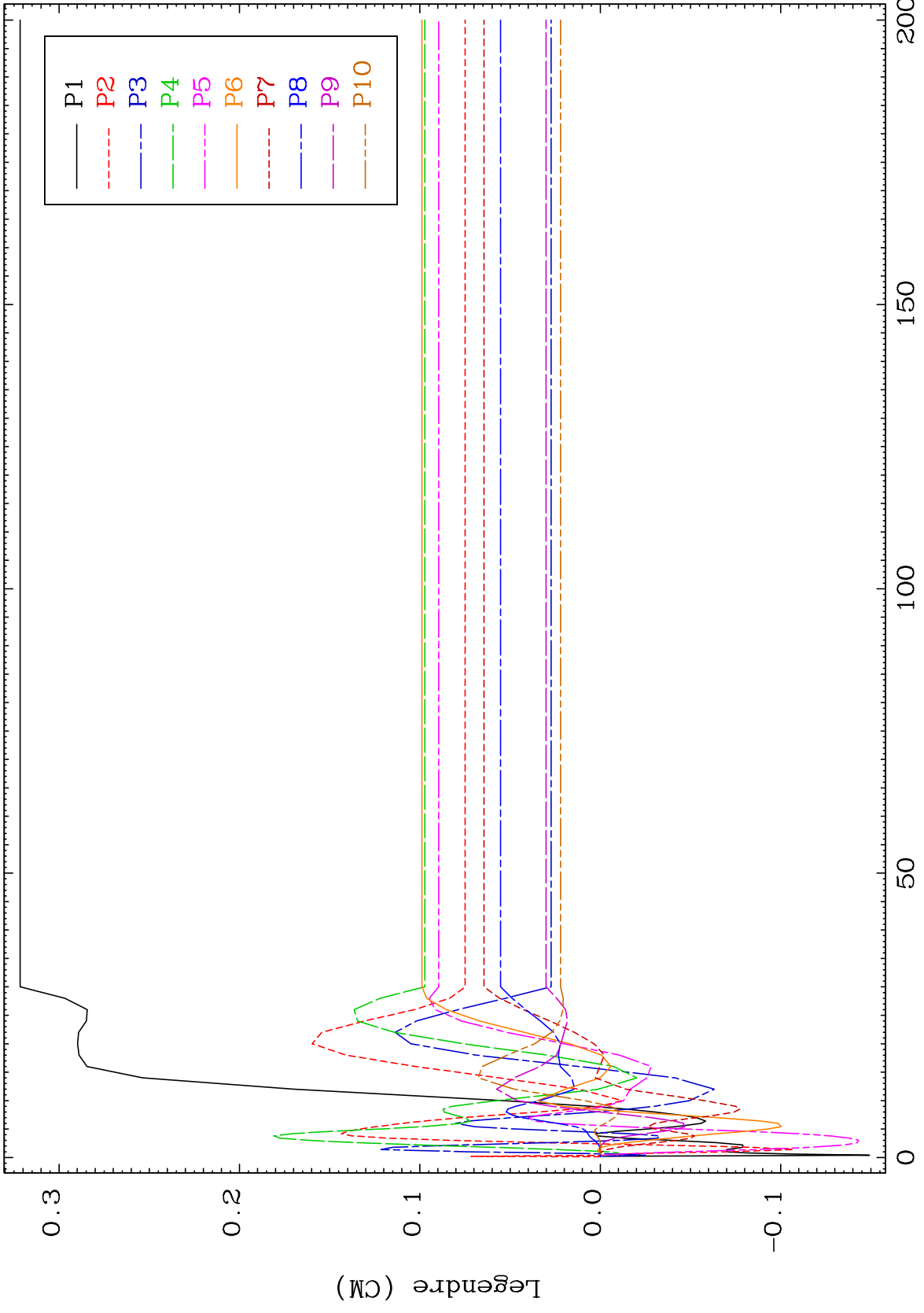
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



71-Lu-176

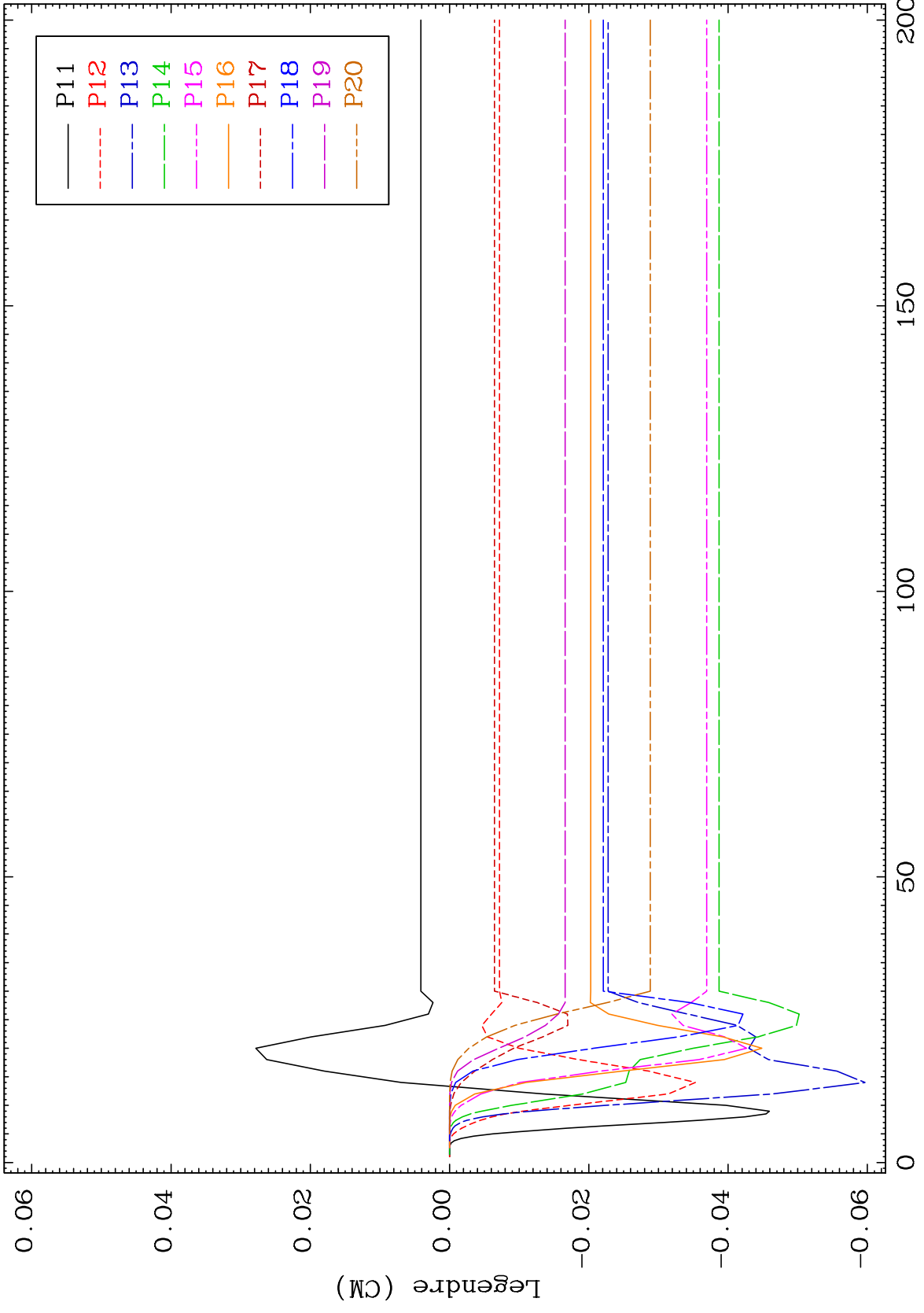
Incident Energy (MeV)

20

MAT 7128

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

71-Lu-176



21

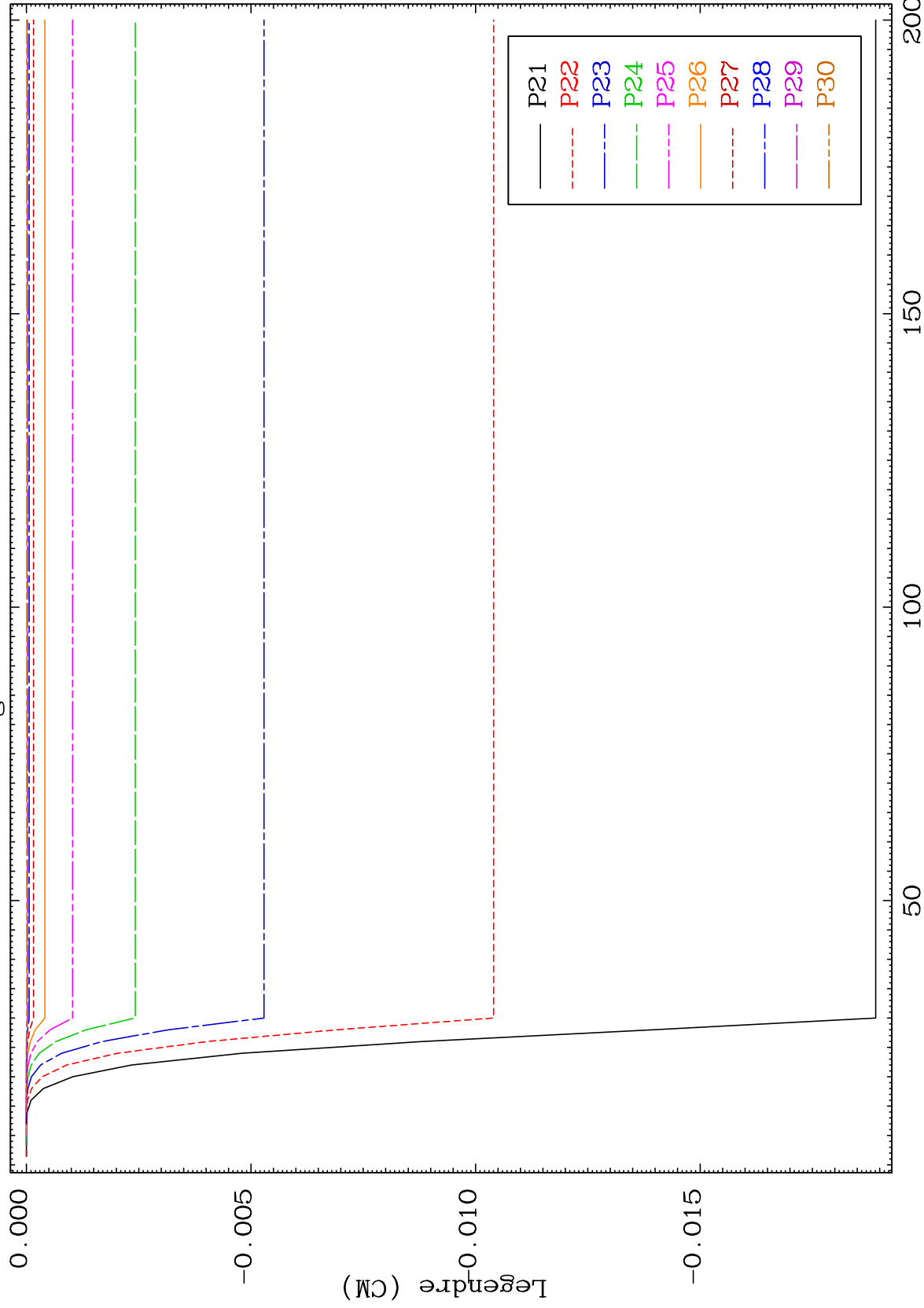
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



22

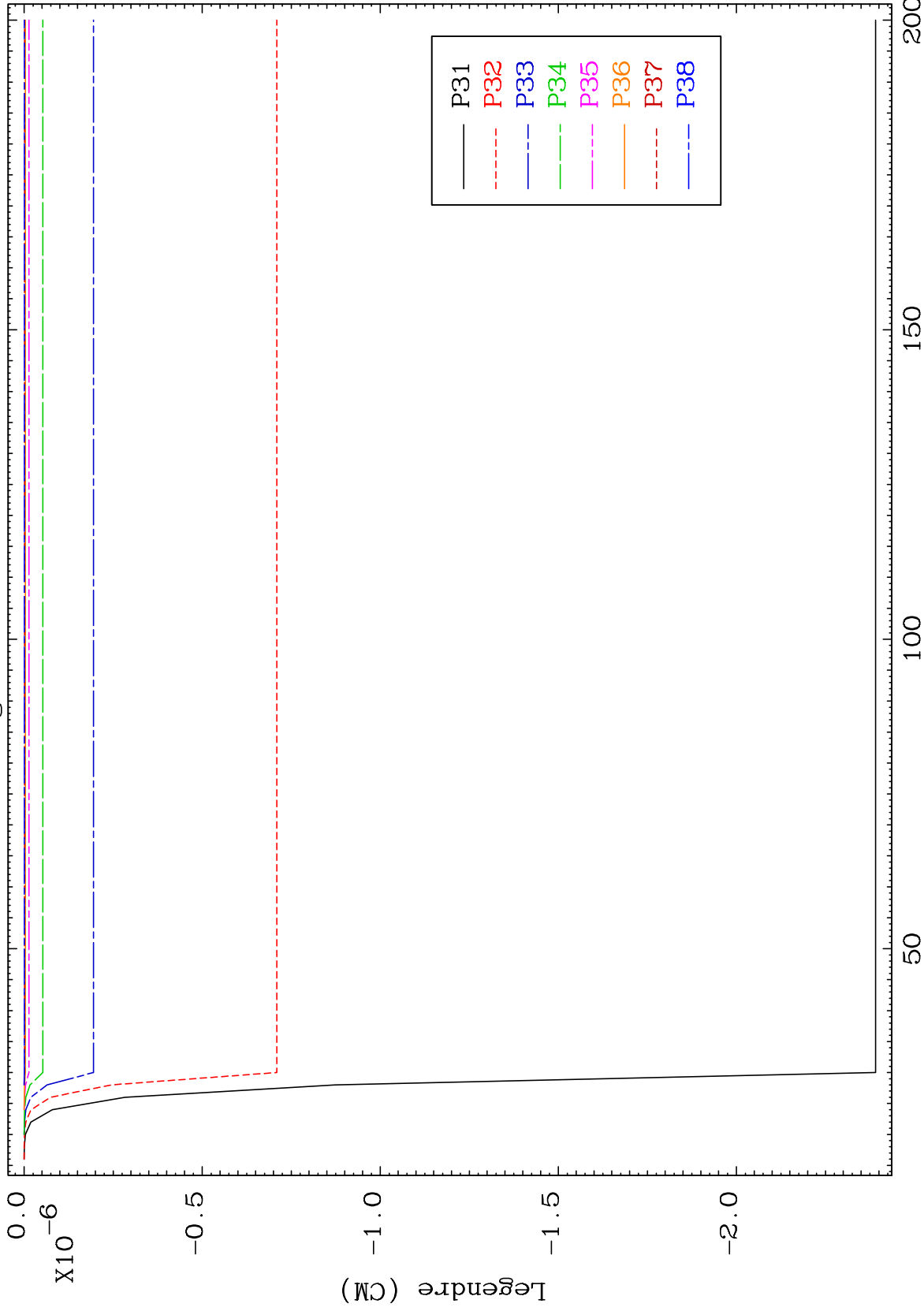
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



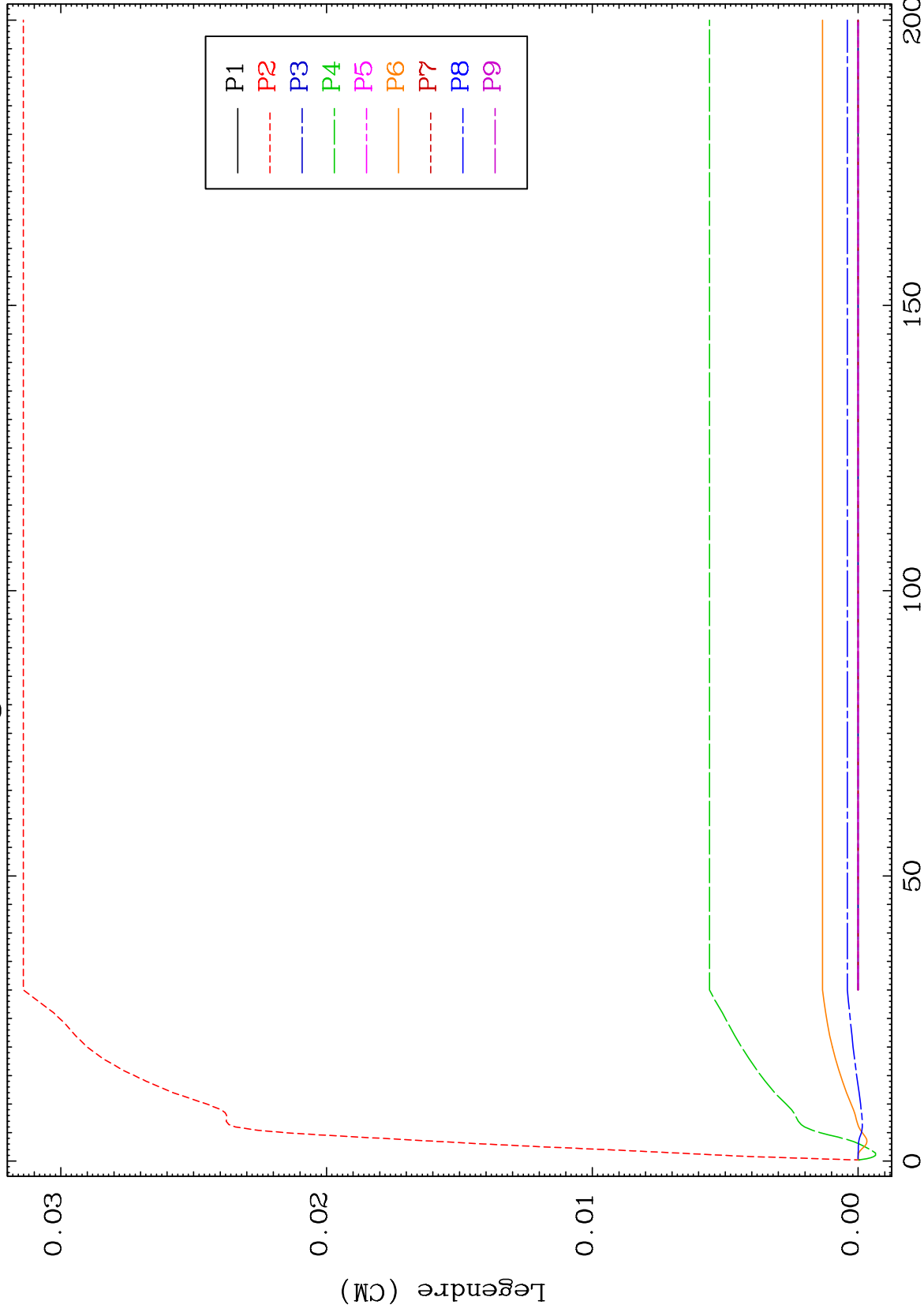
23

71-Lu-176

MAT 7128

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

71-Lu-176



24

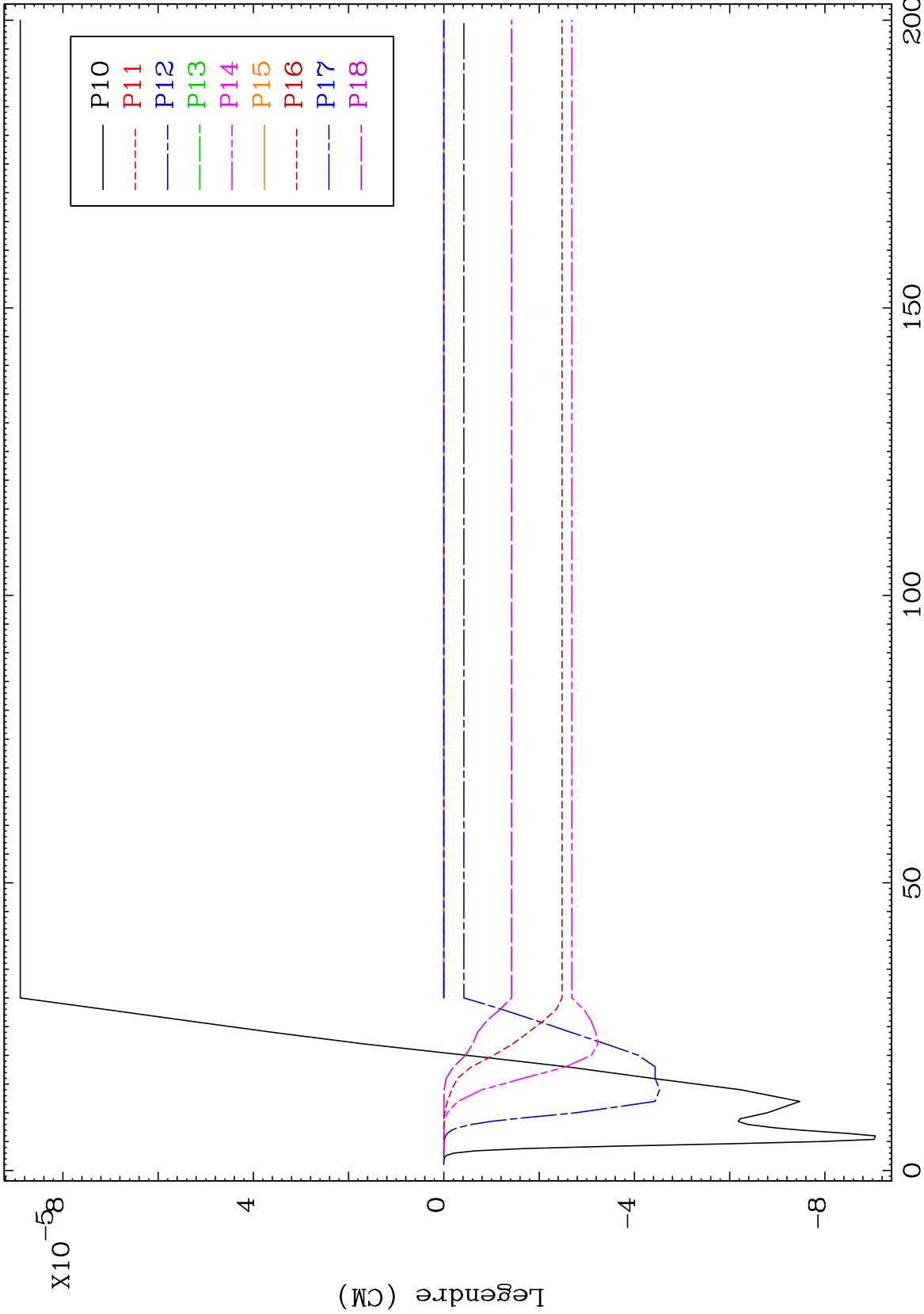
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



25

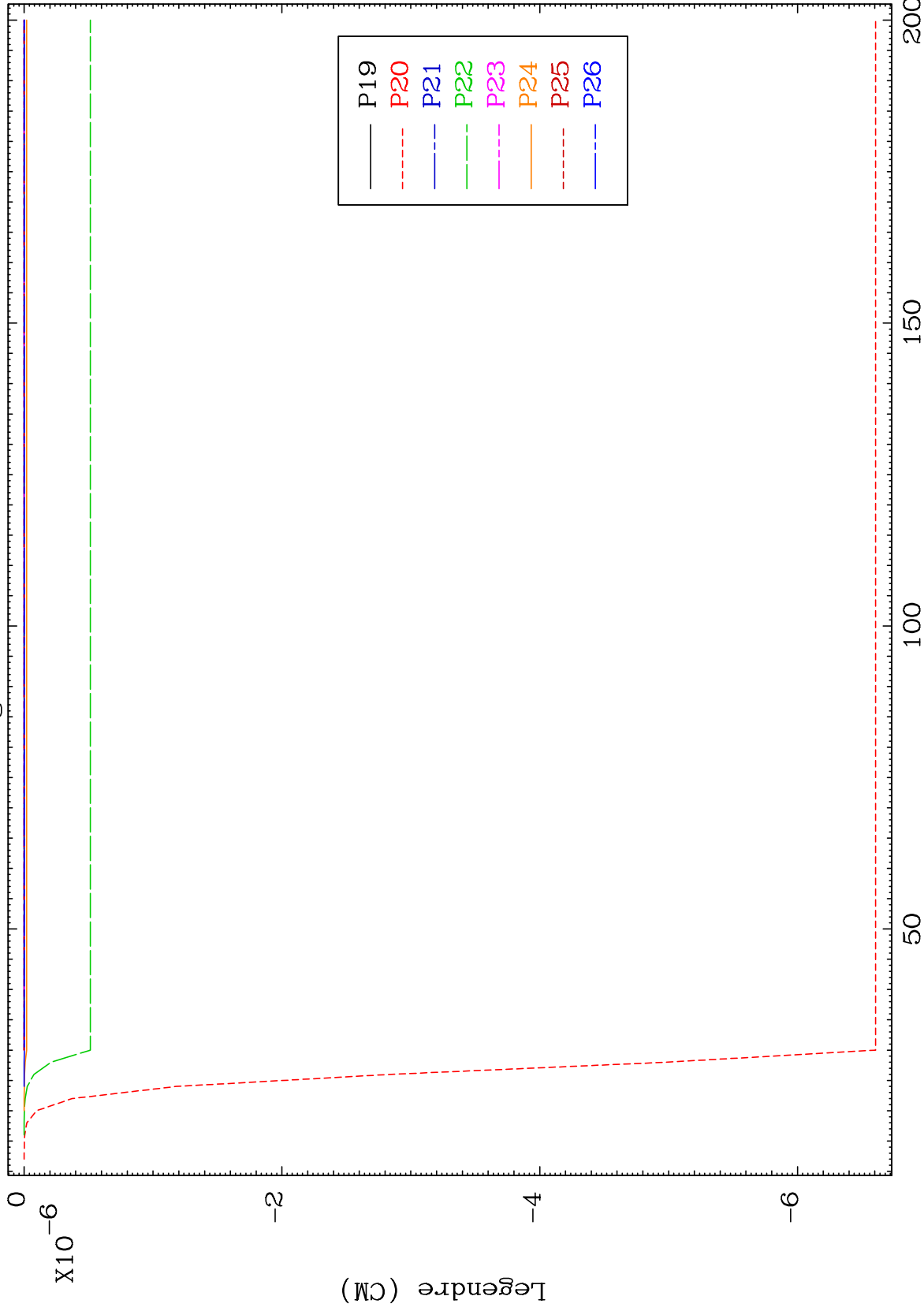
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



26

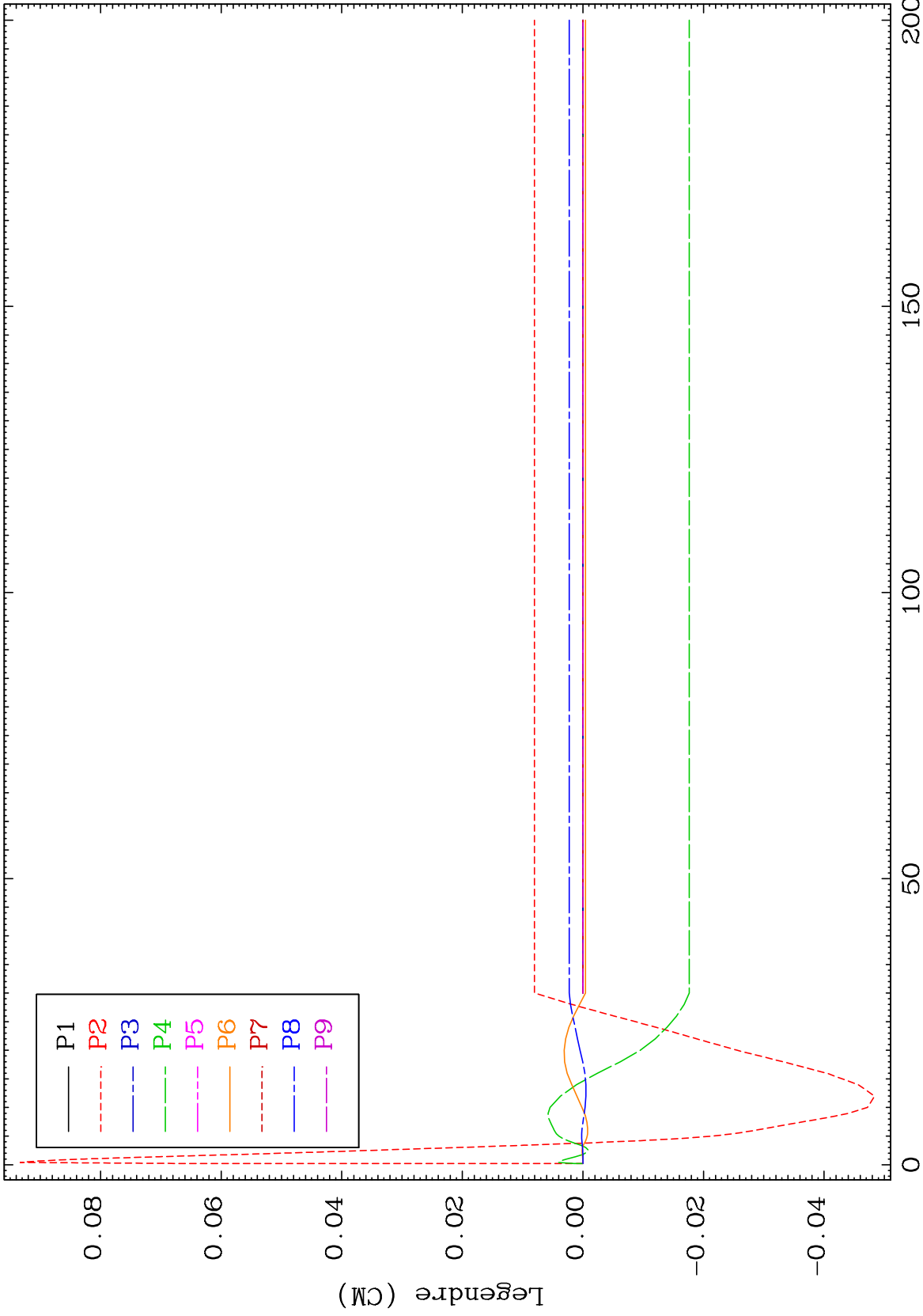
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



27

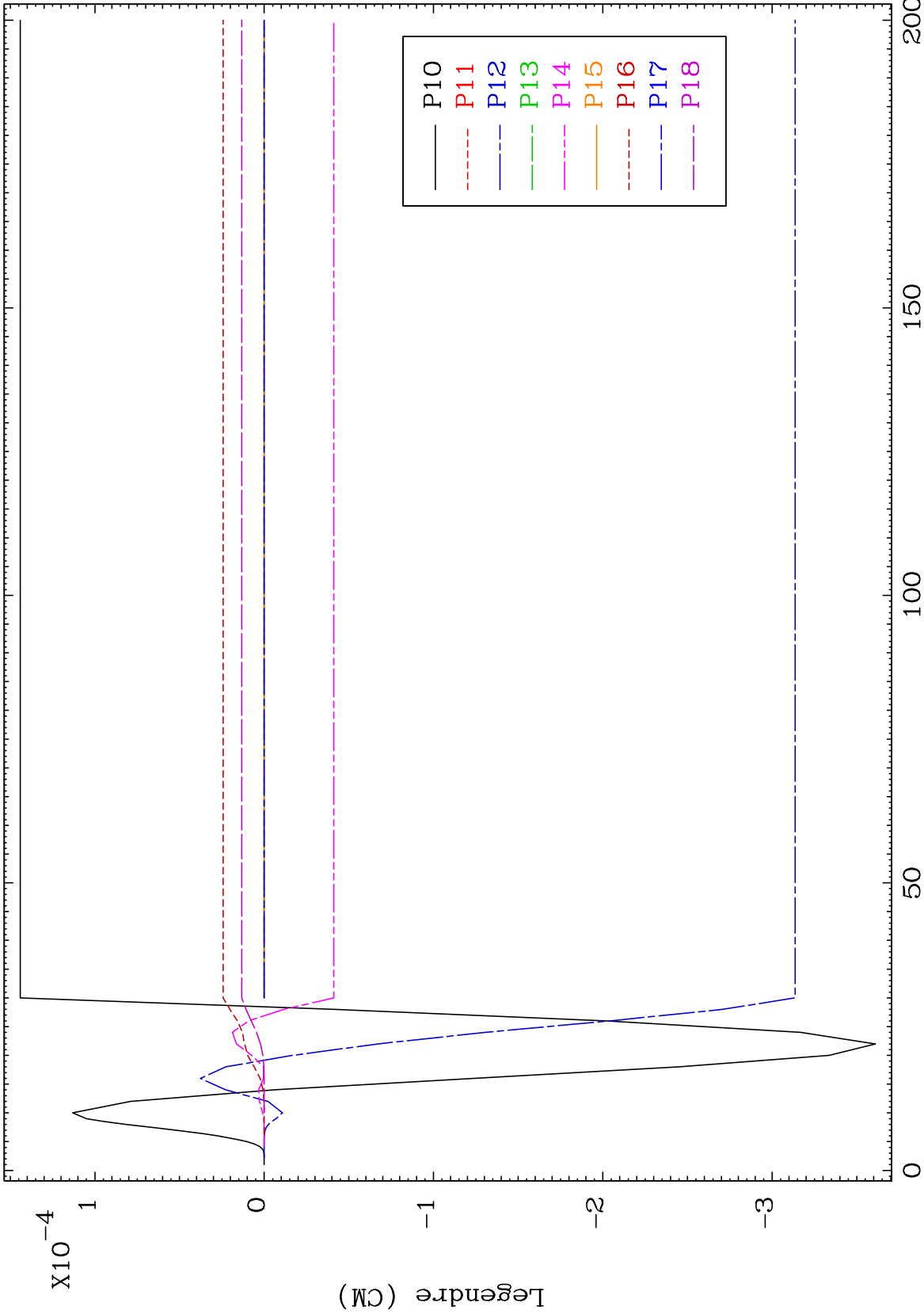
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



28

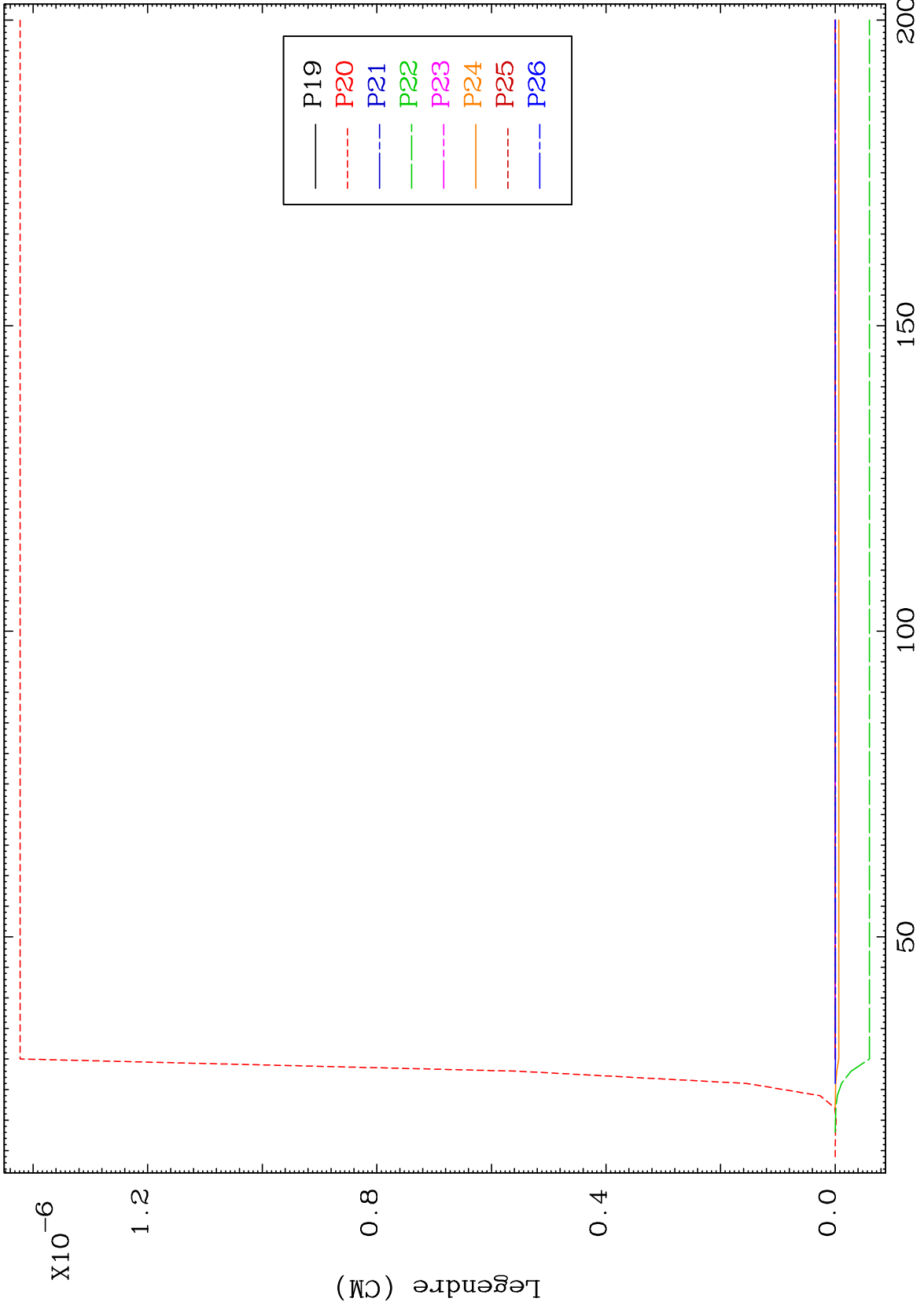
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



29

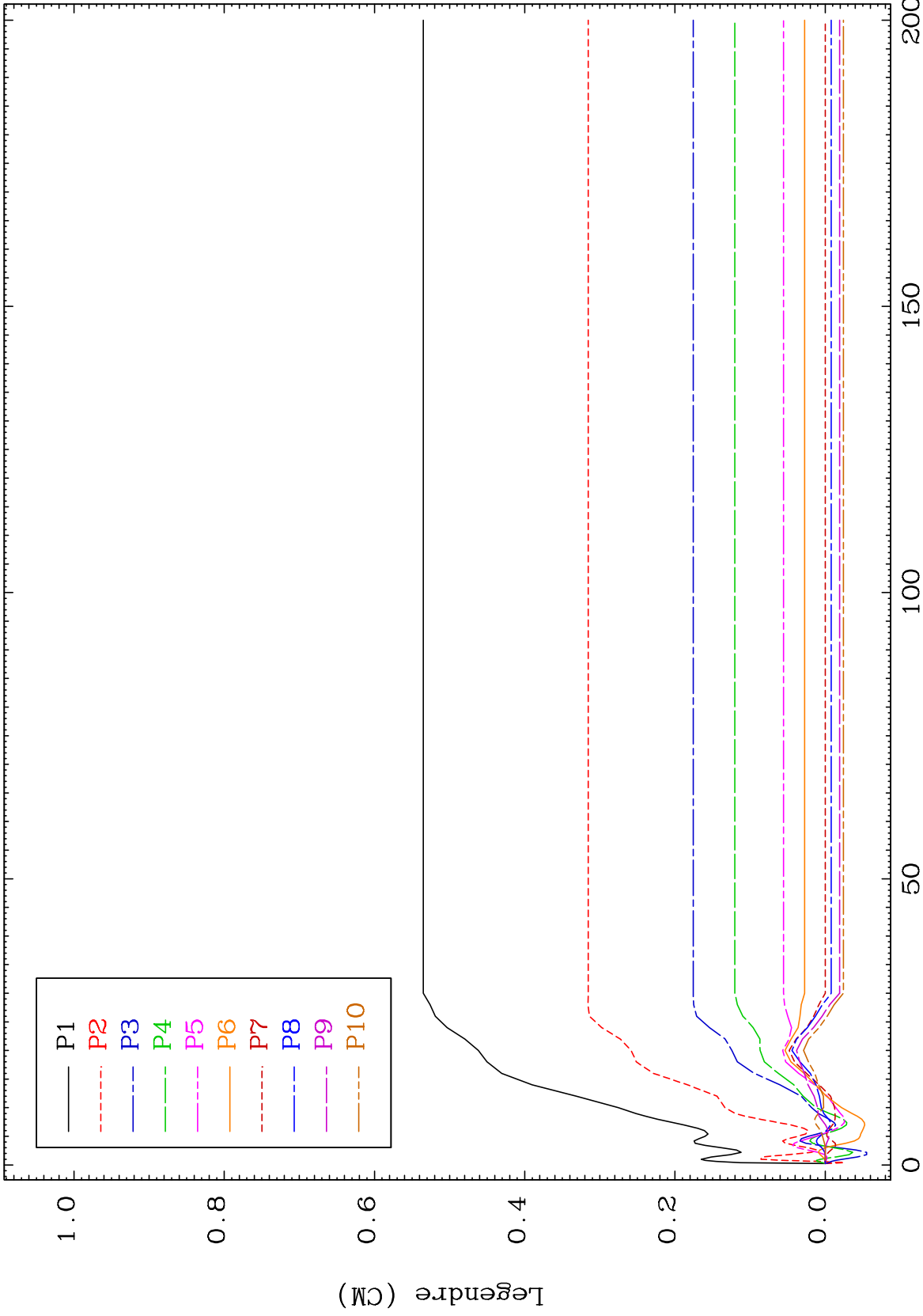
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



71-Lu-176

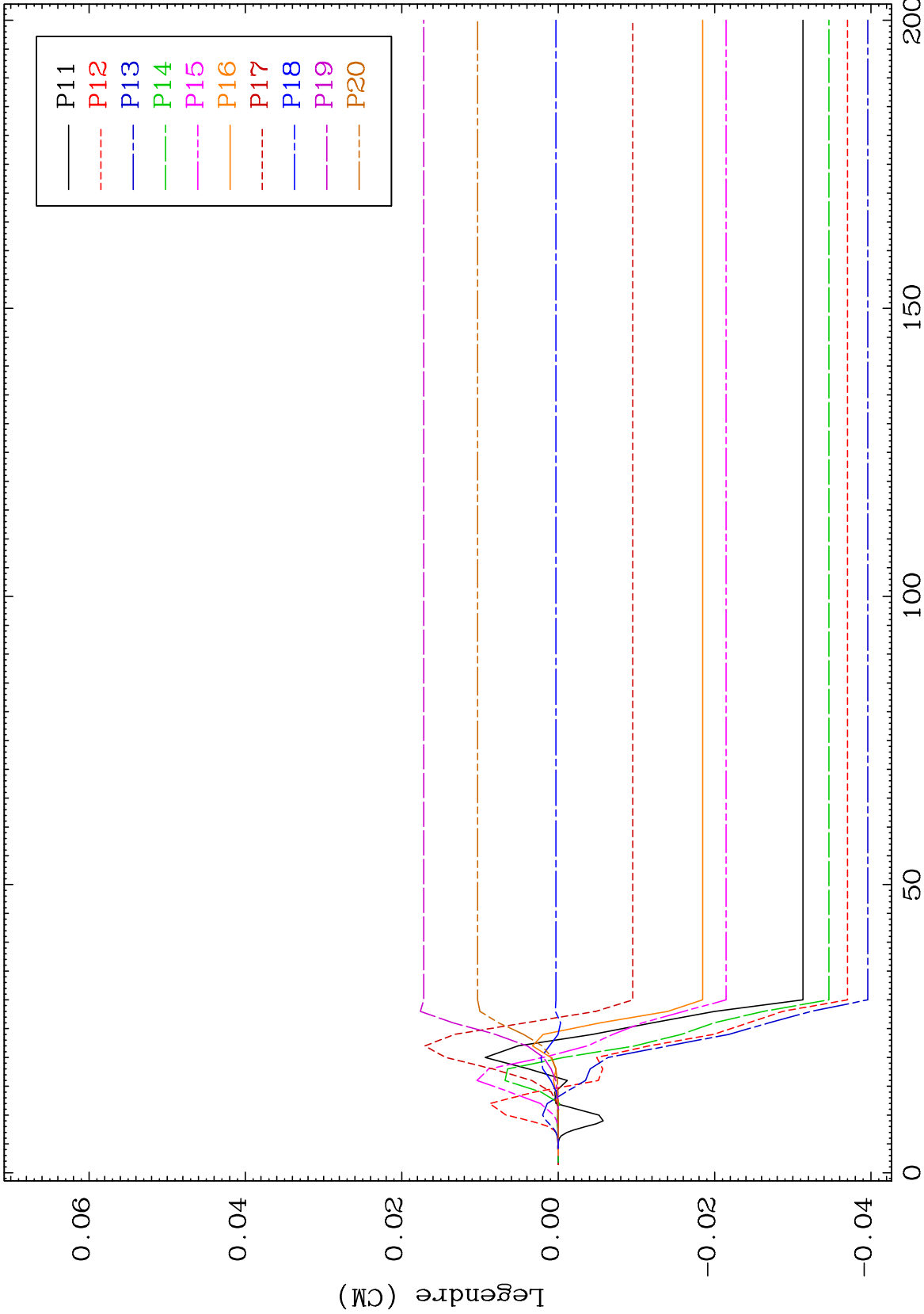
Incident Energy (MeV)

30

MAT 7128

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

71-Lu-176



31

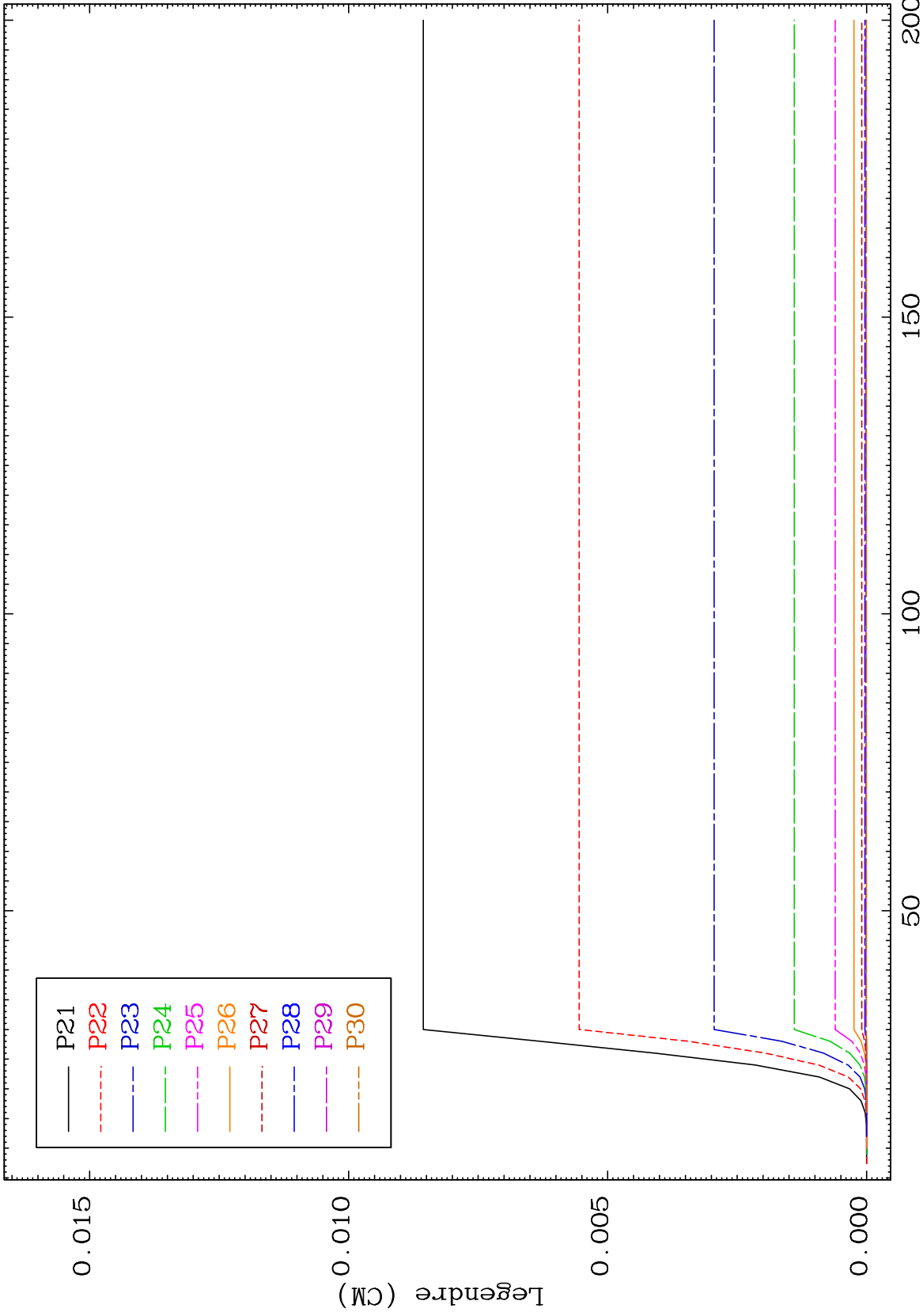
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



32

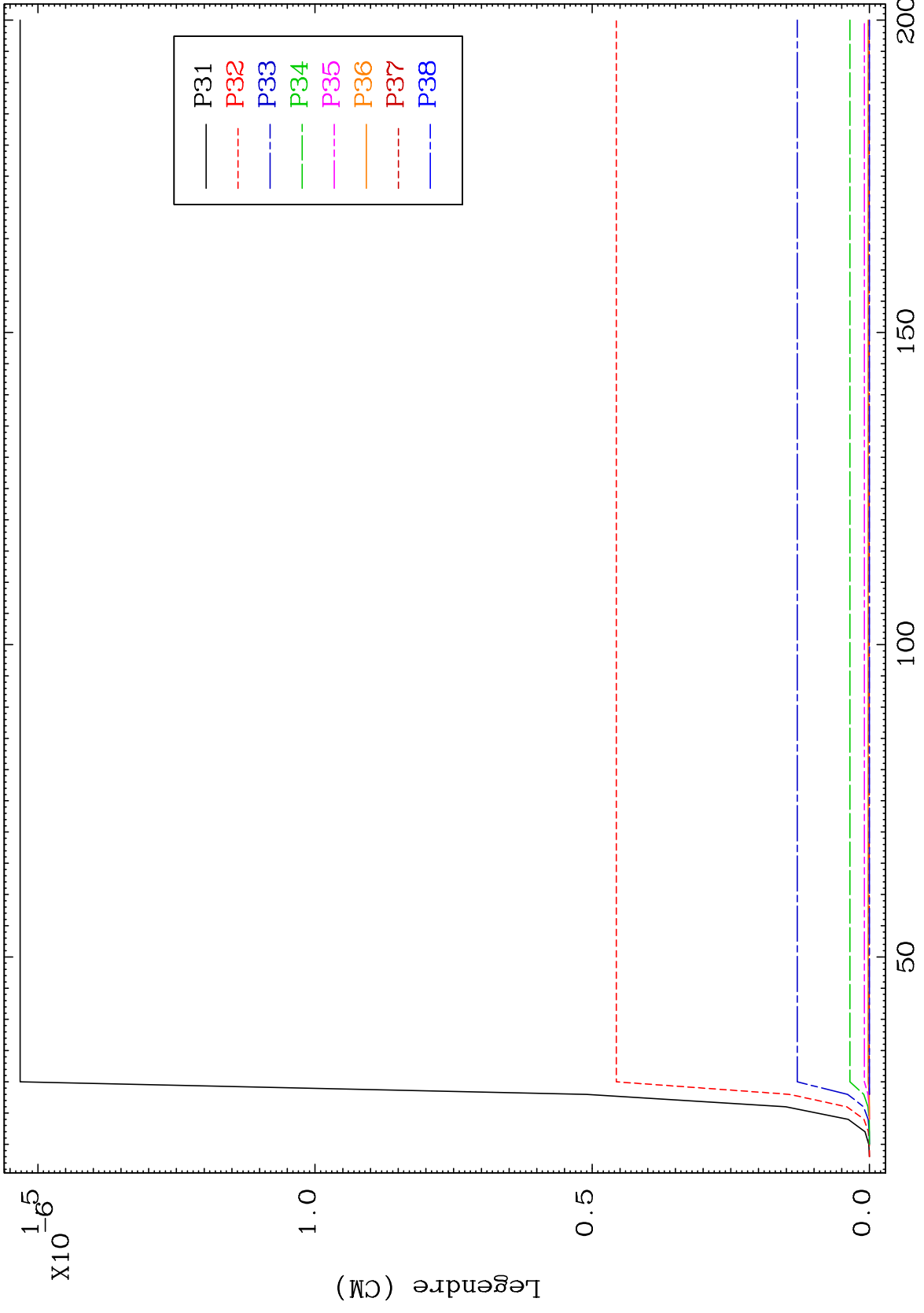
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



33

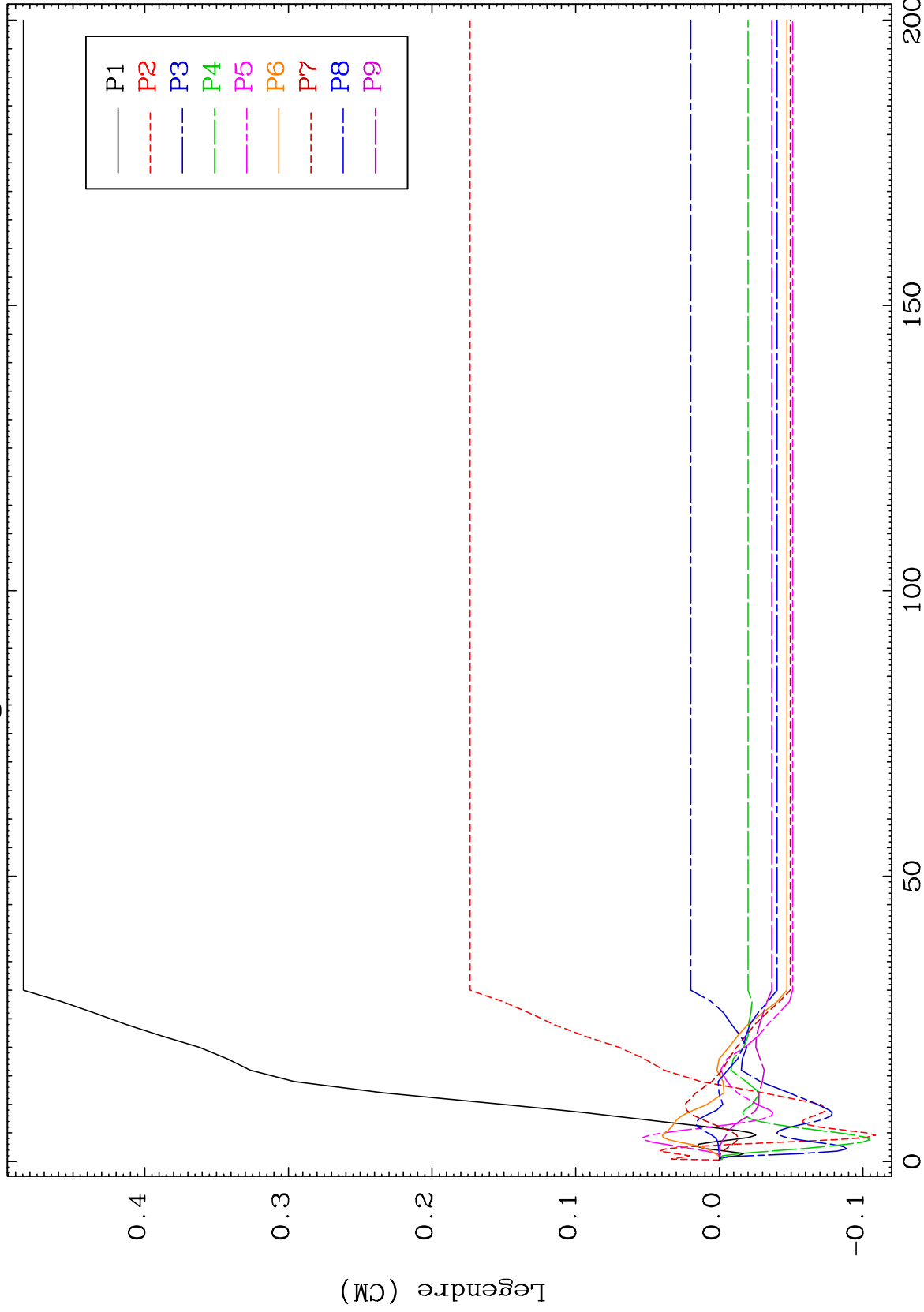
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



34

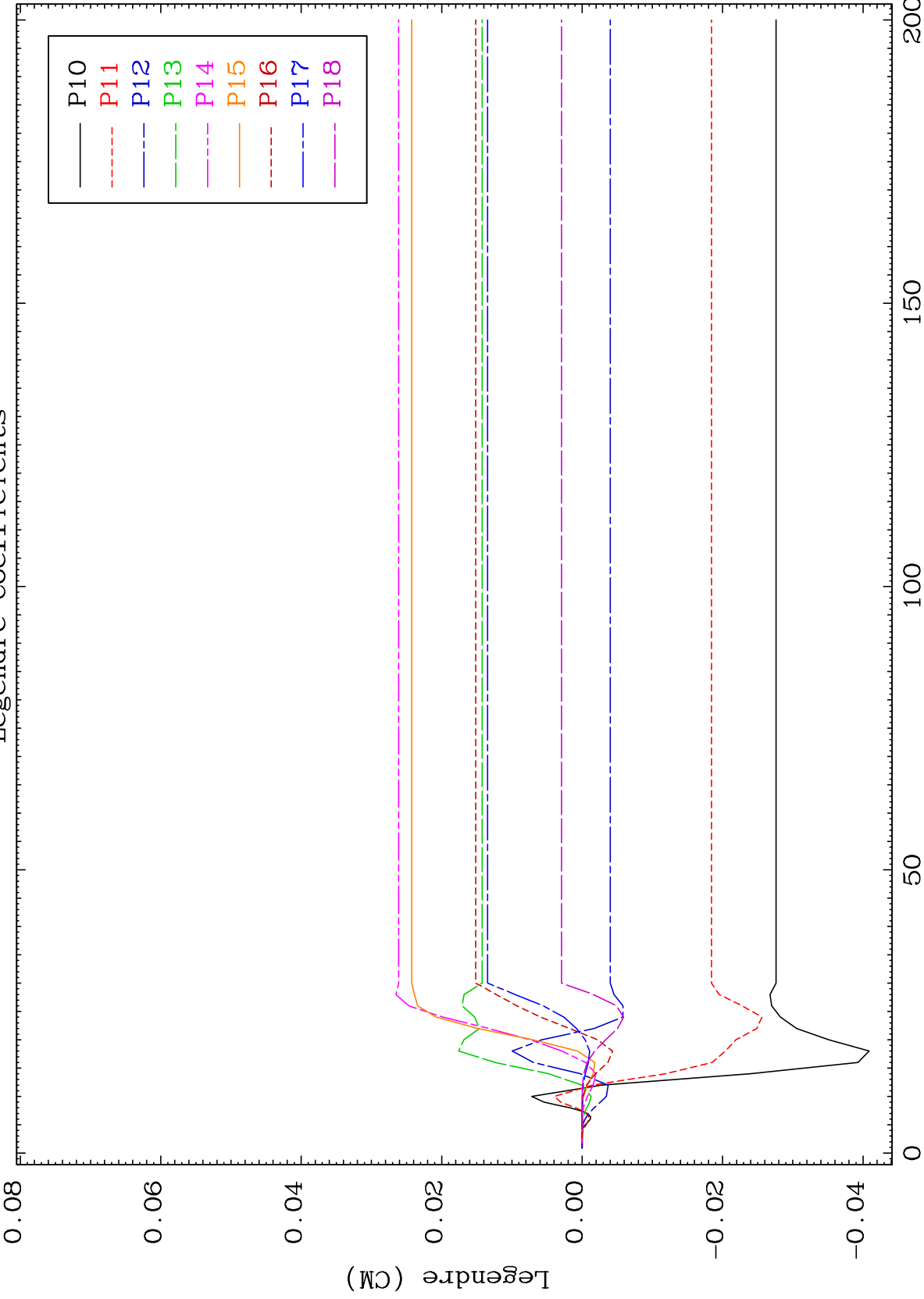
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

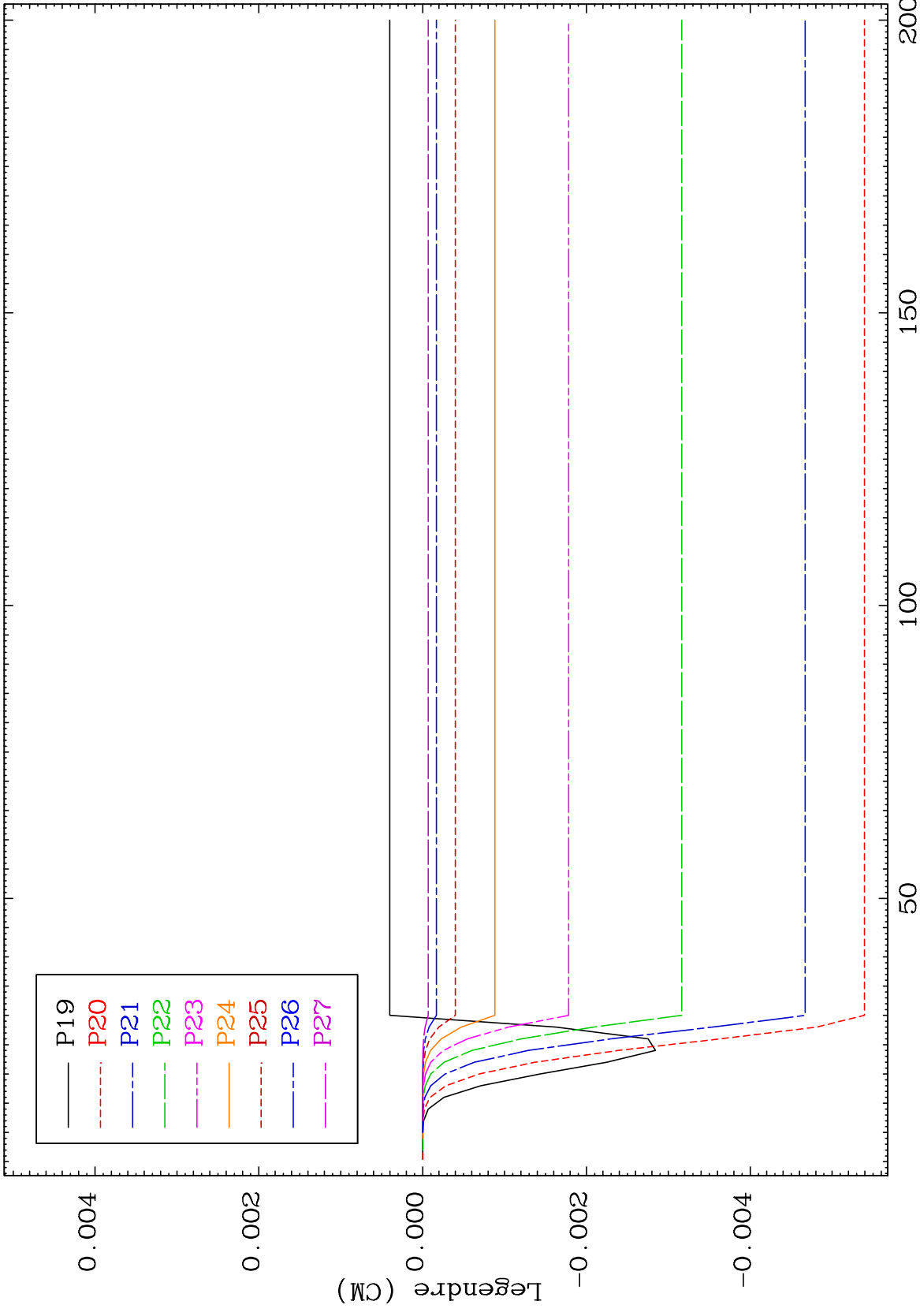
71-Lu-176



35

Incident Energy (MeV)

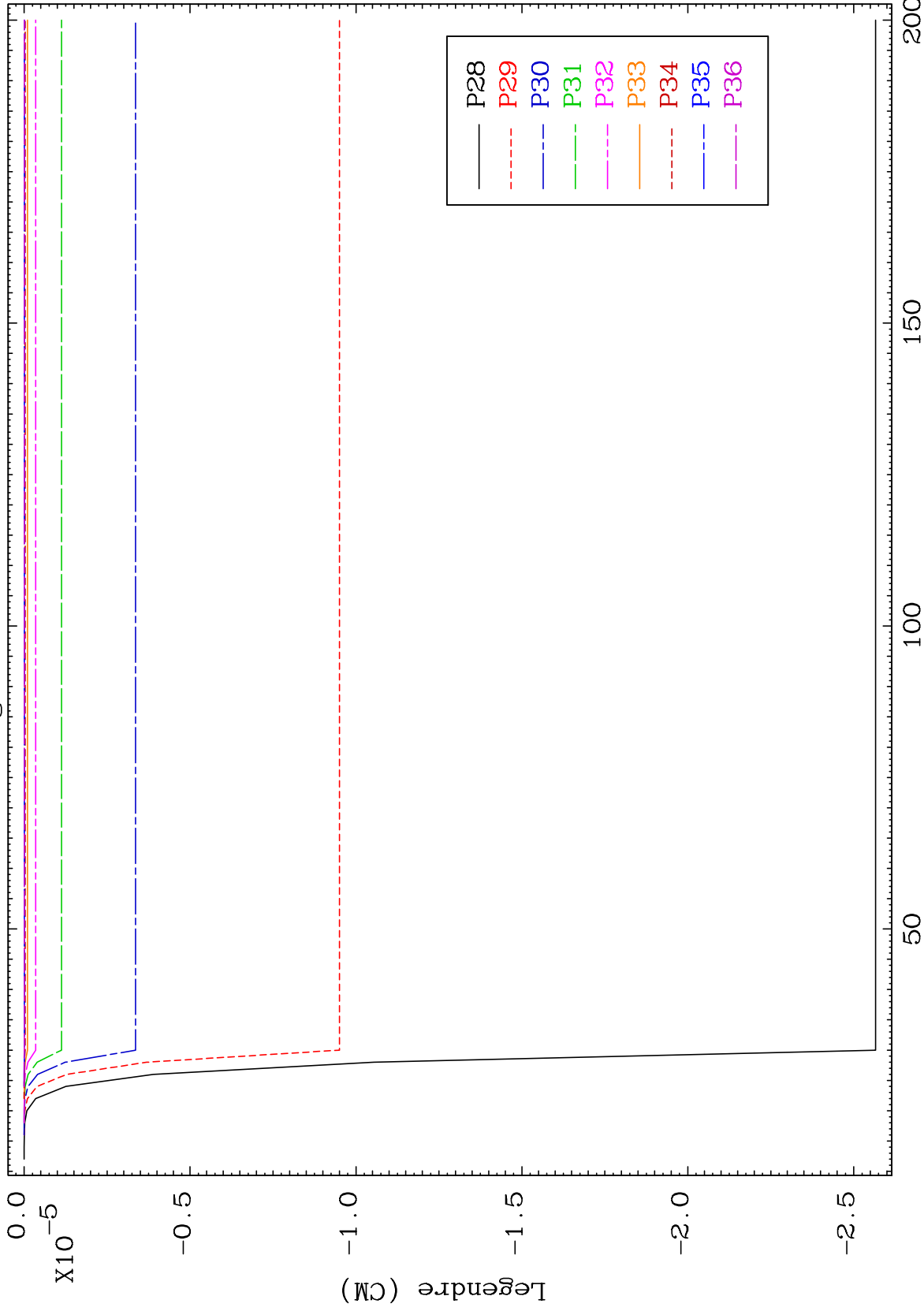
71-Lu-176



MAT 7128

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

71-Lu-176



37

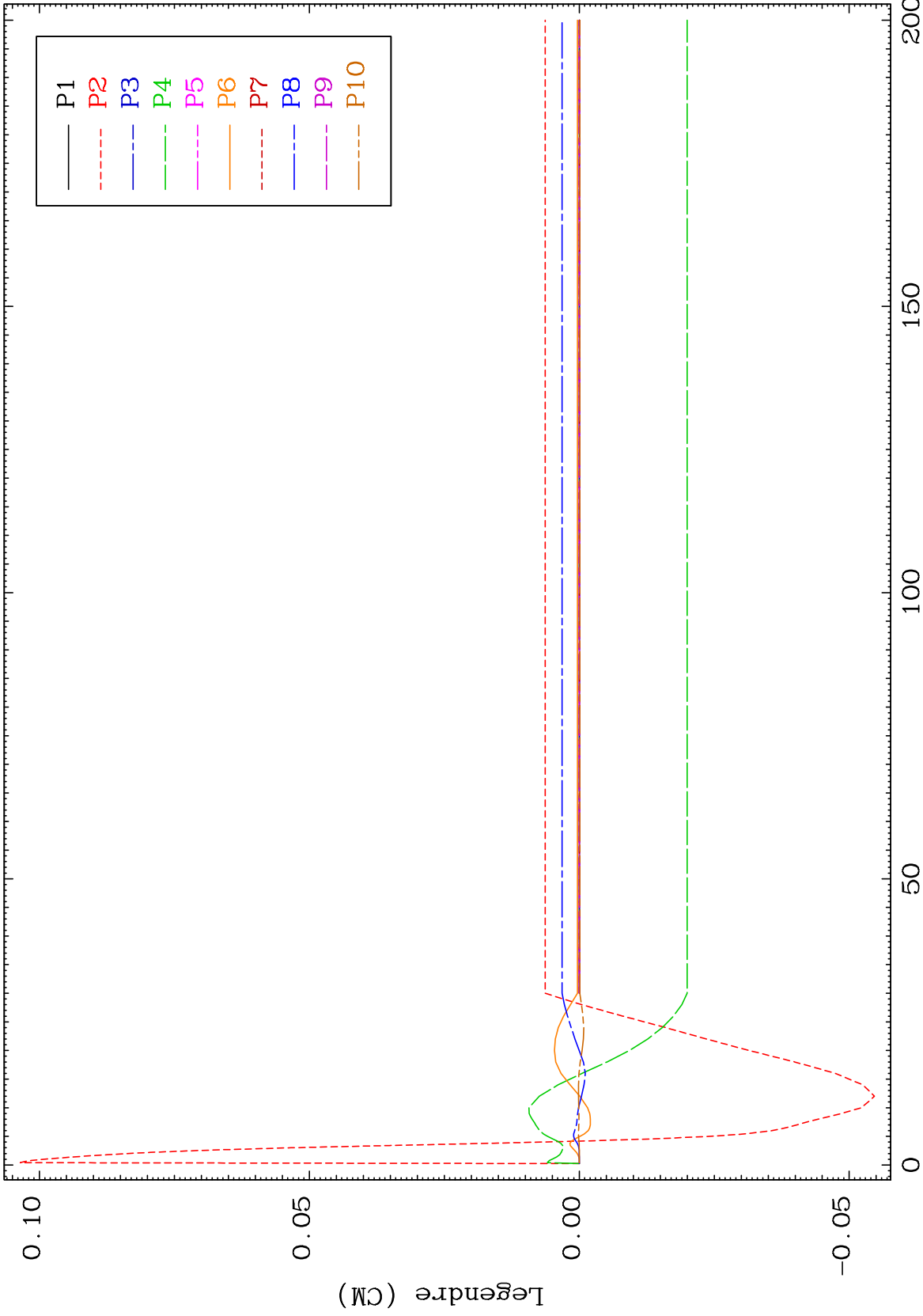
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



38

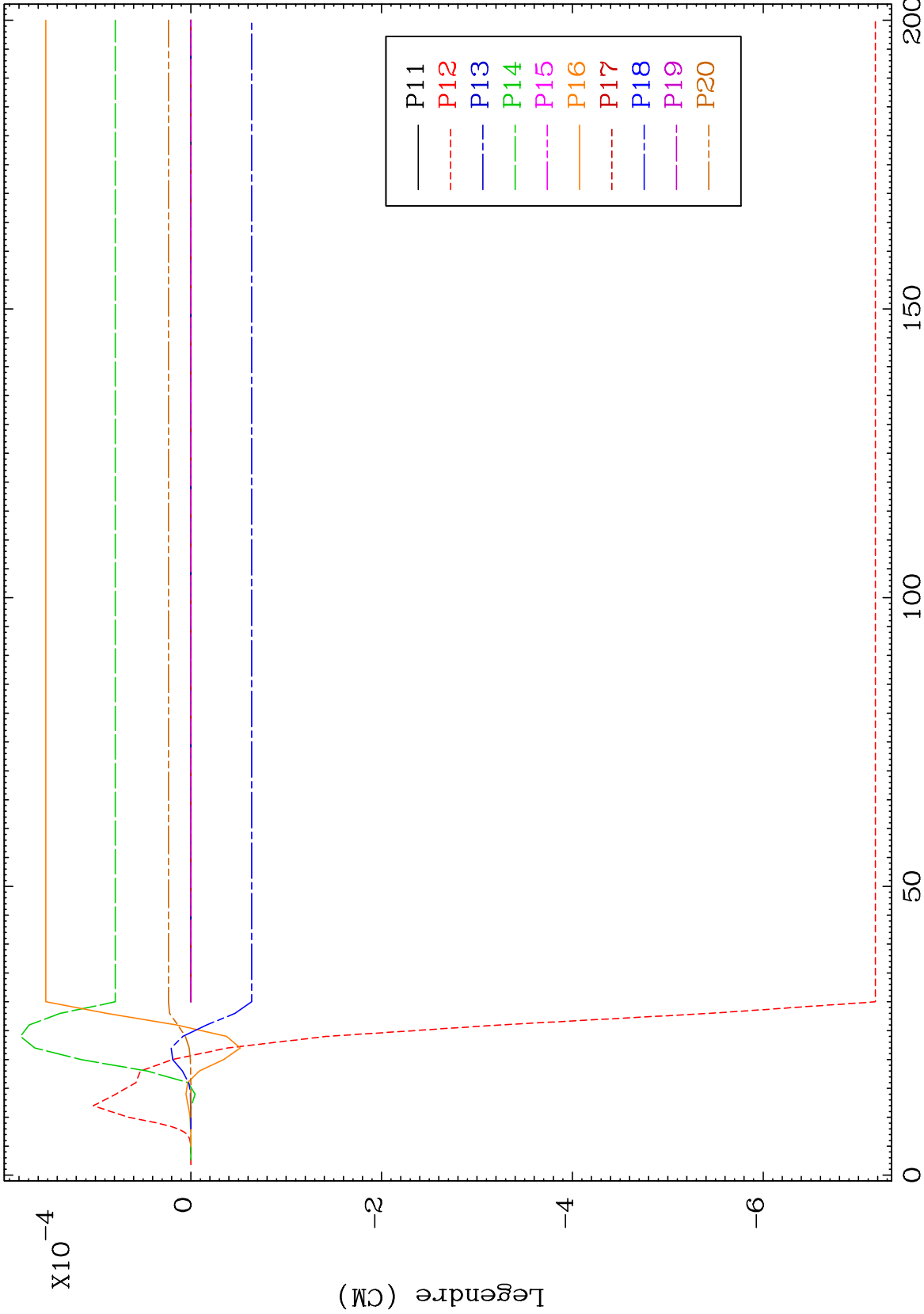
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



39

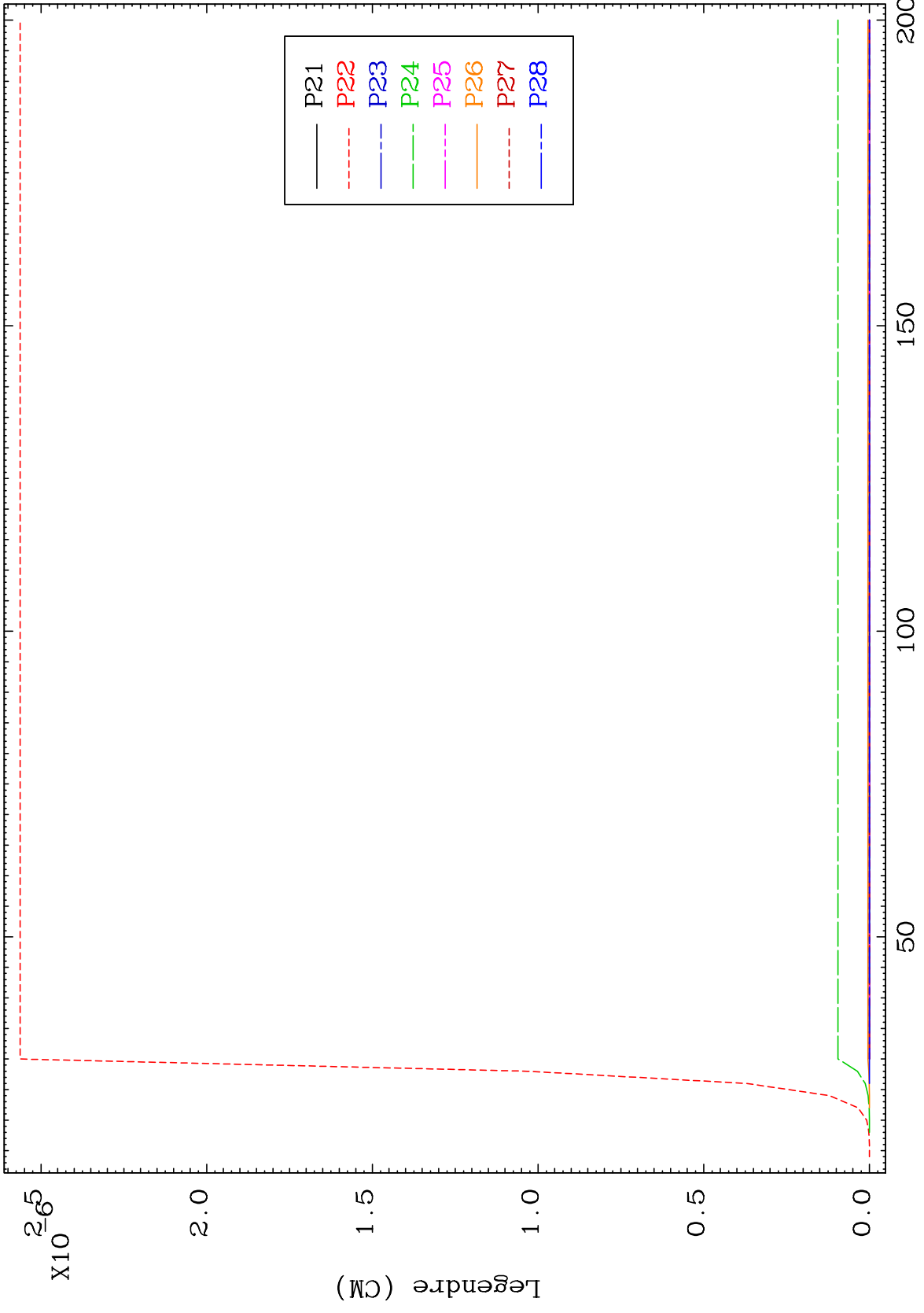
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



40

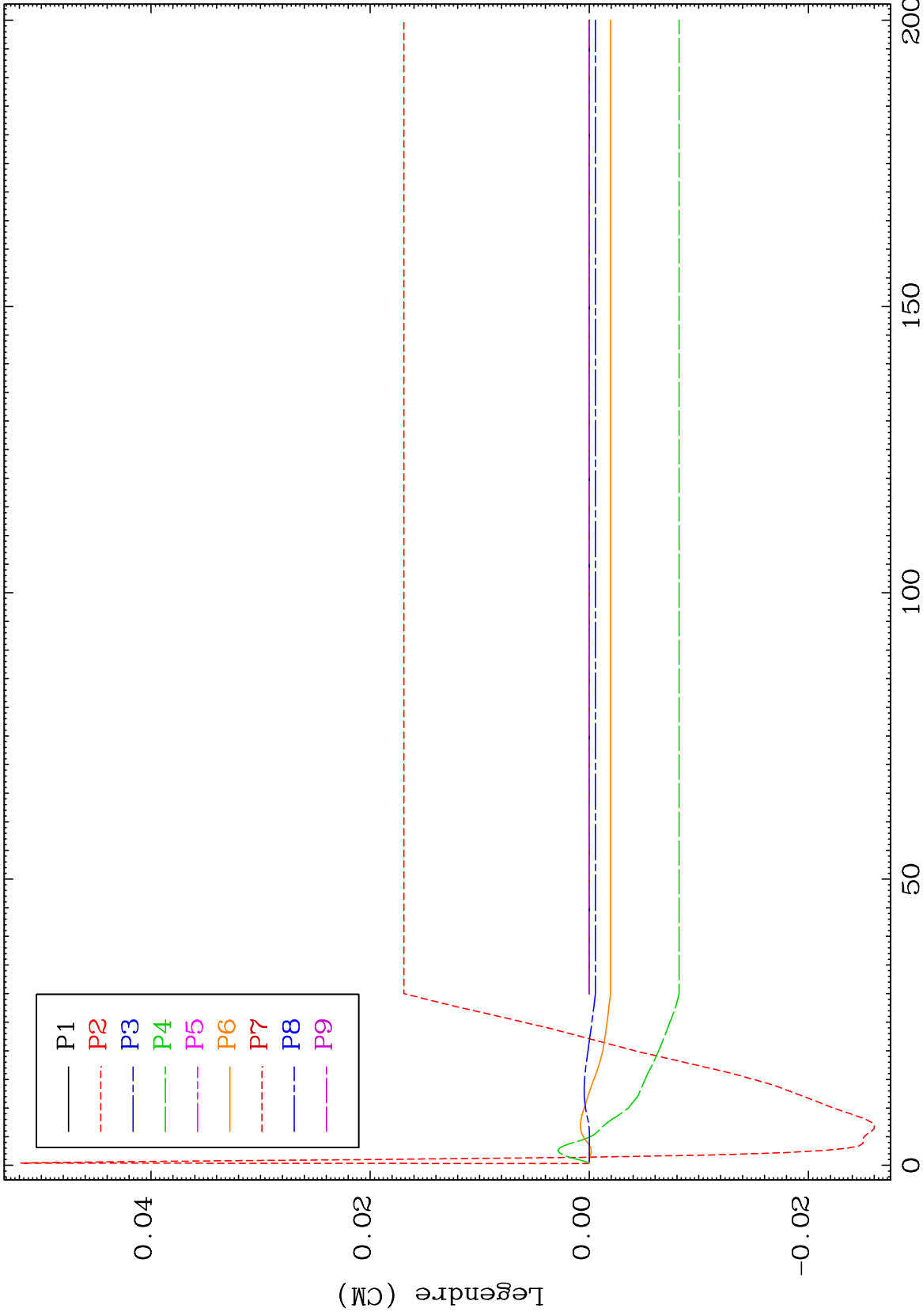
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



41

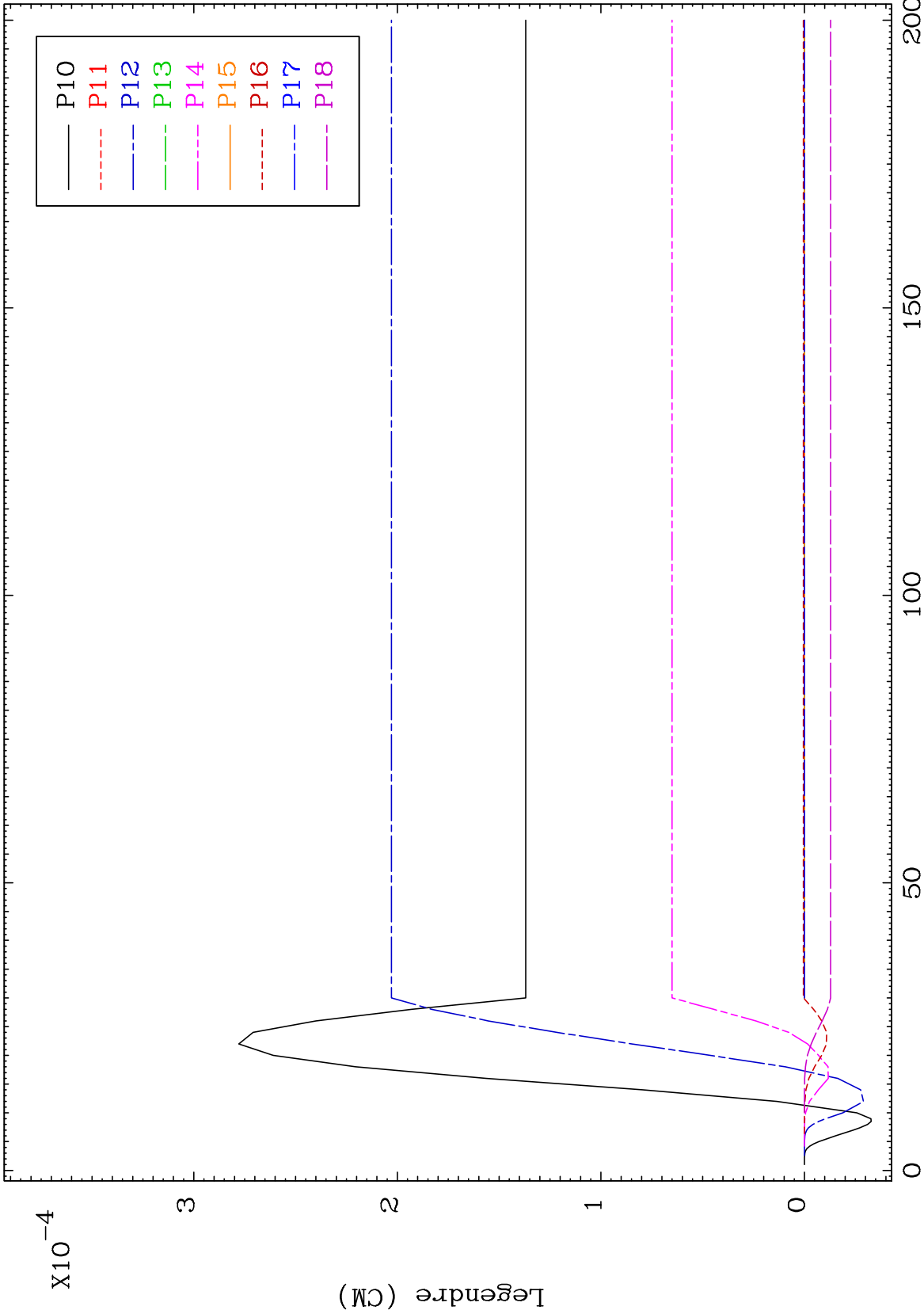
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



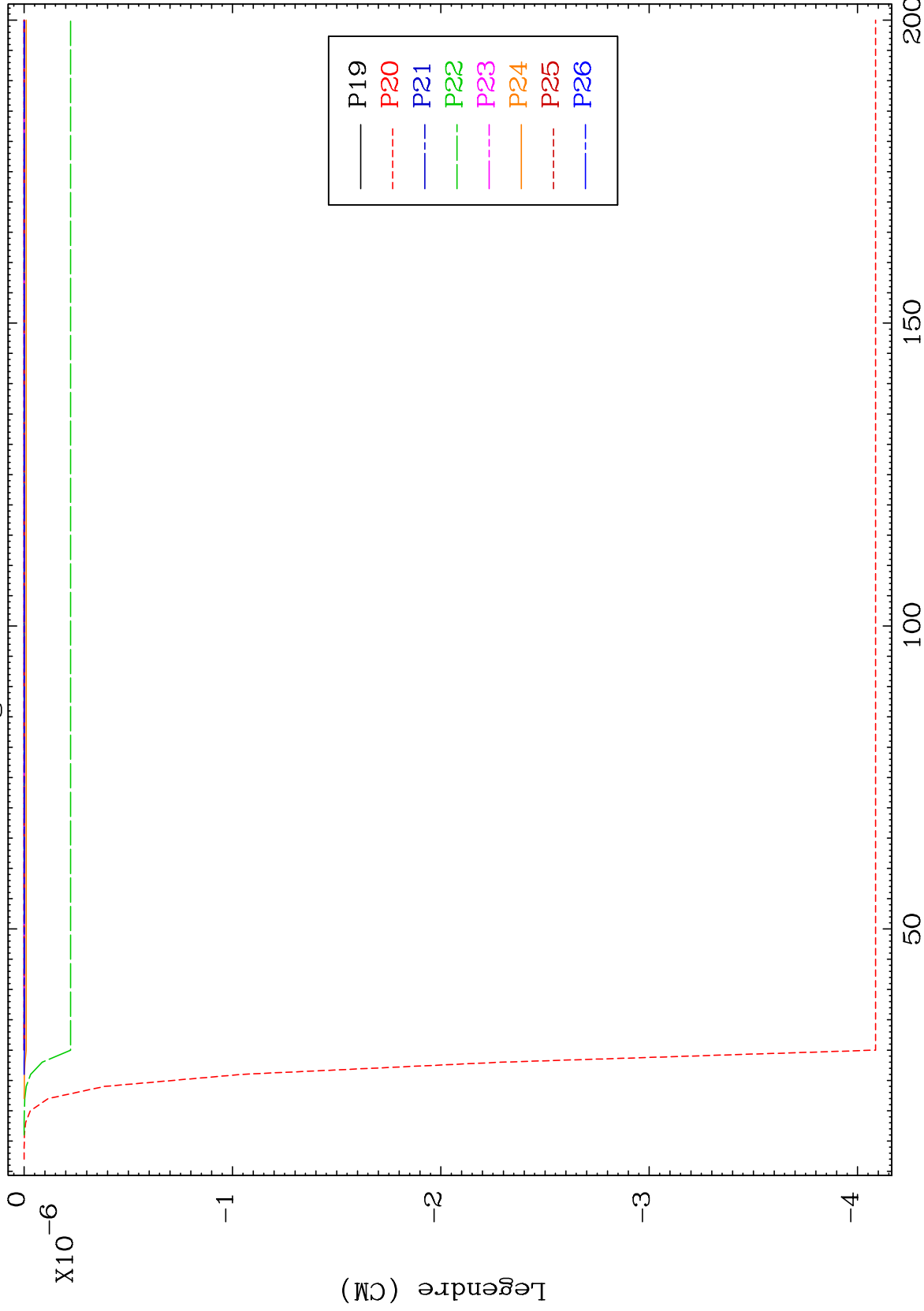
42

71-Lu-176

MAT 7128

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

71-Lu-176



43

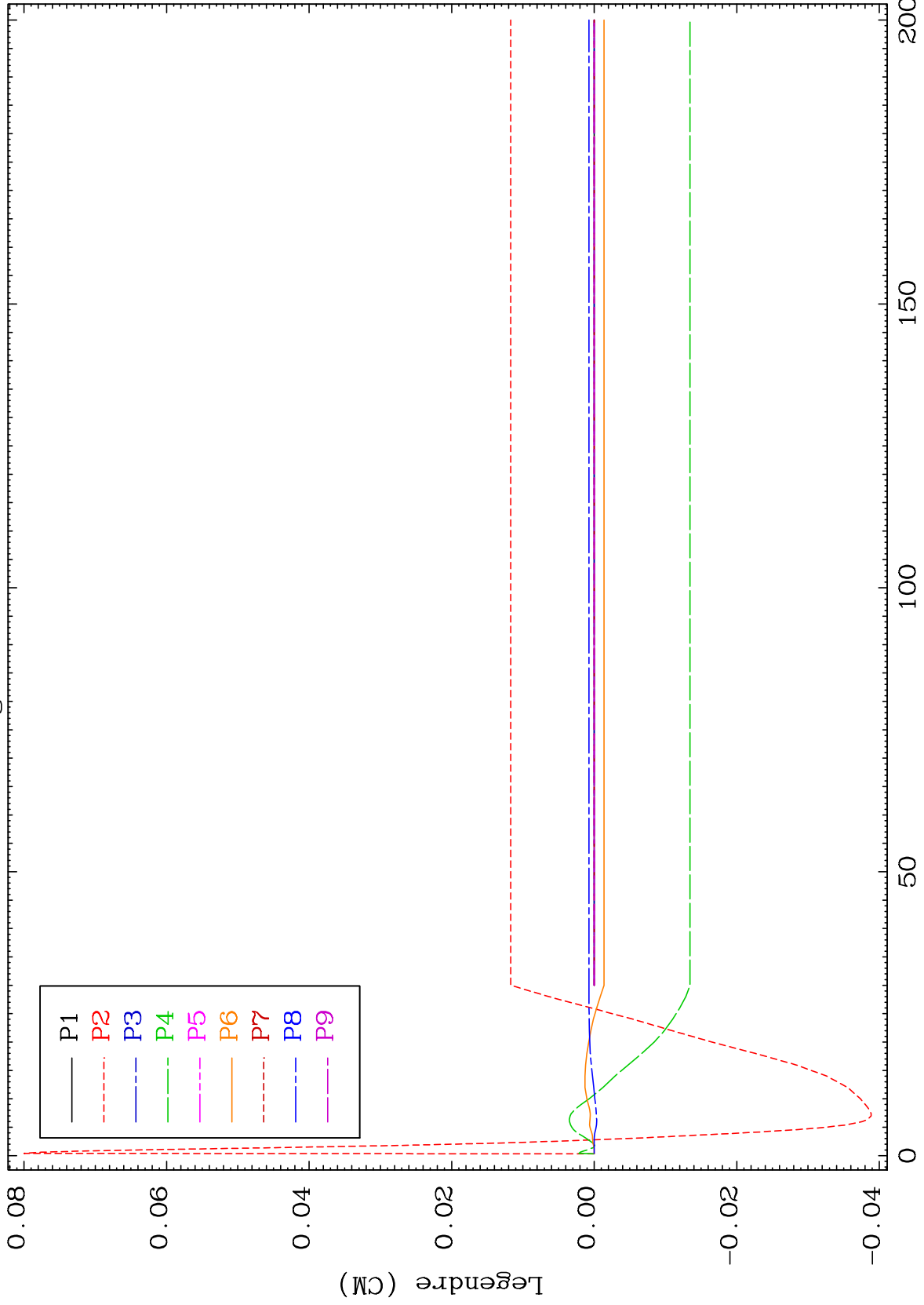
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



44

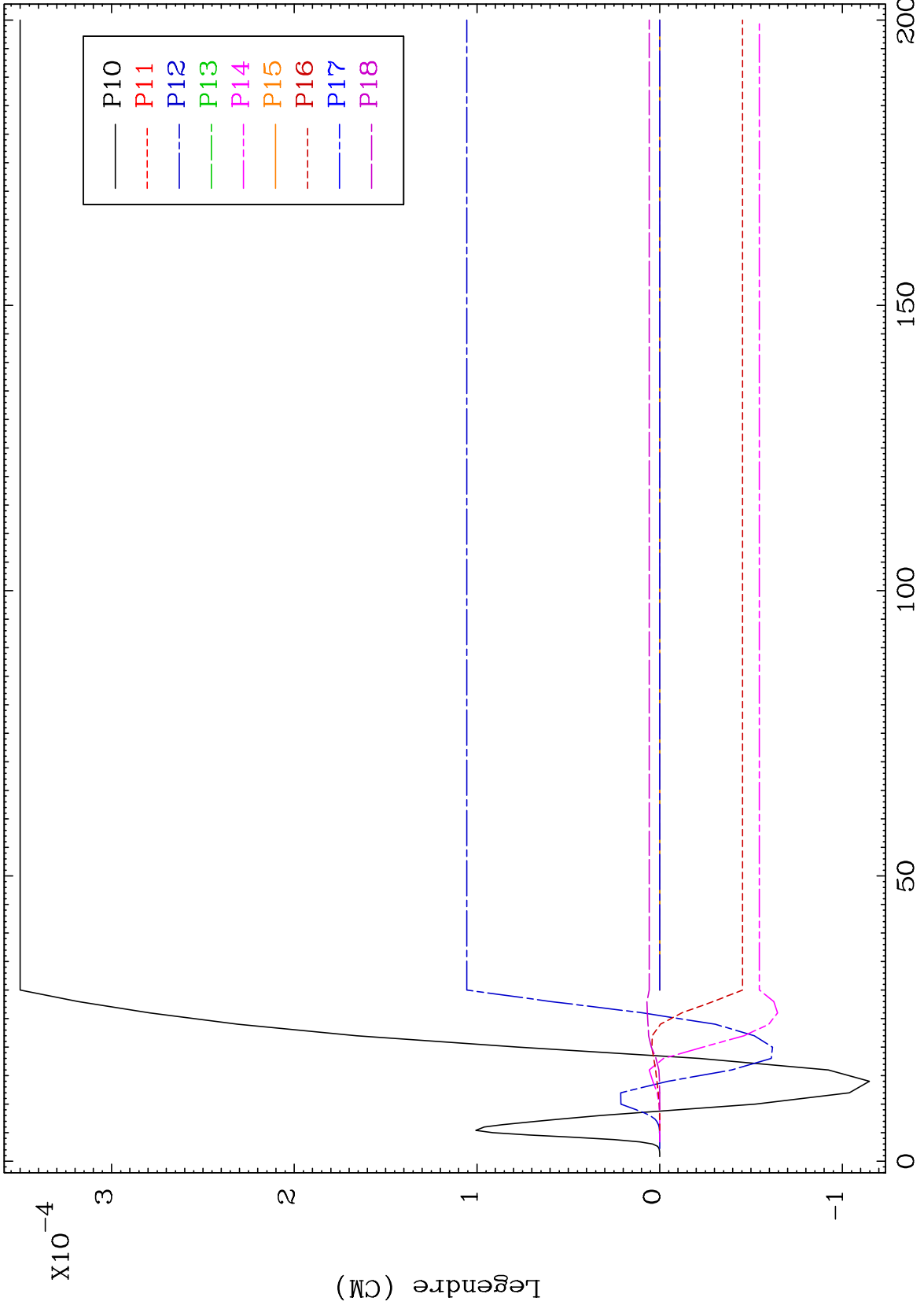
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



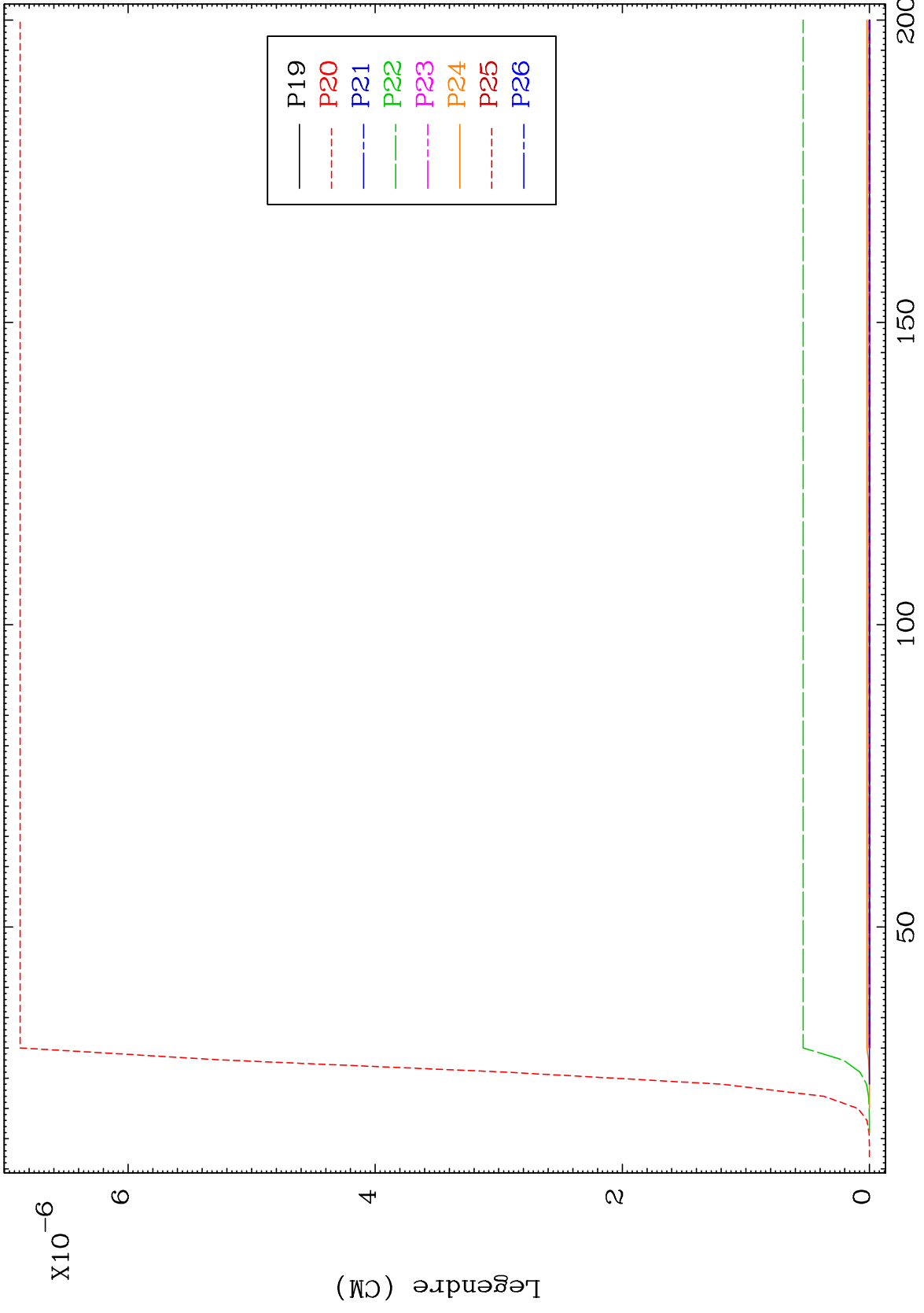
45

71-Lu-176

MAT 7128

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

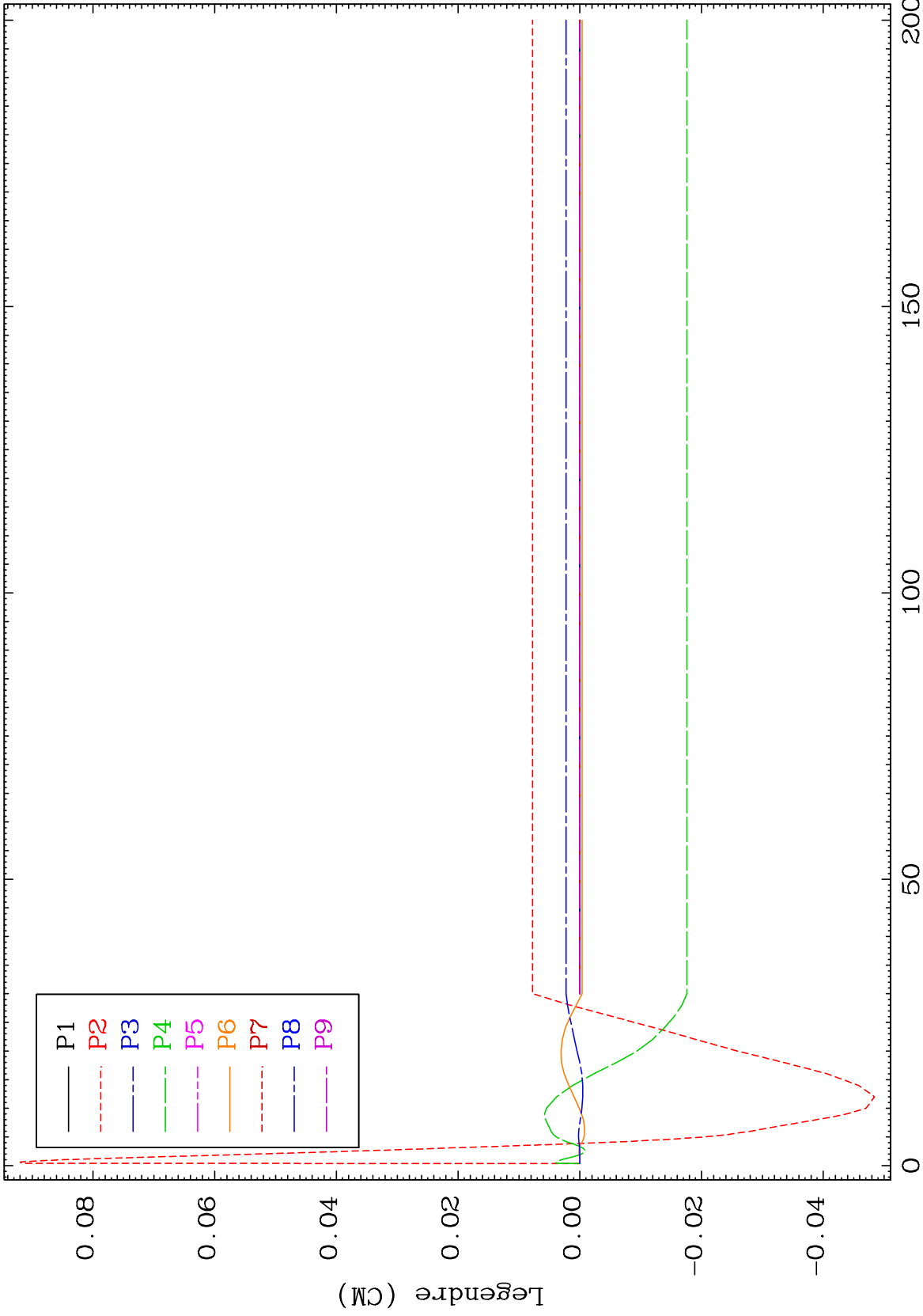
71-Lu-176



46

Incident Energy (MeV)

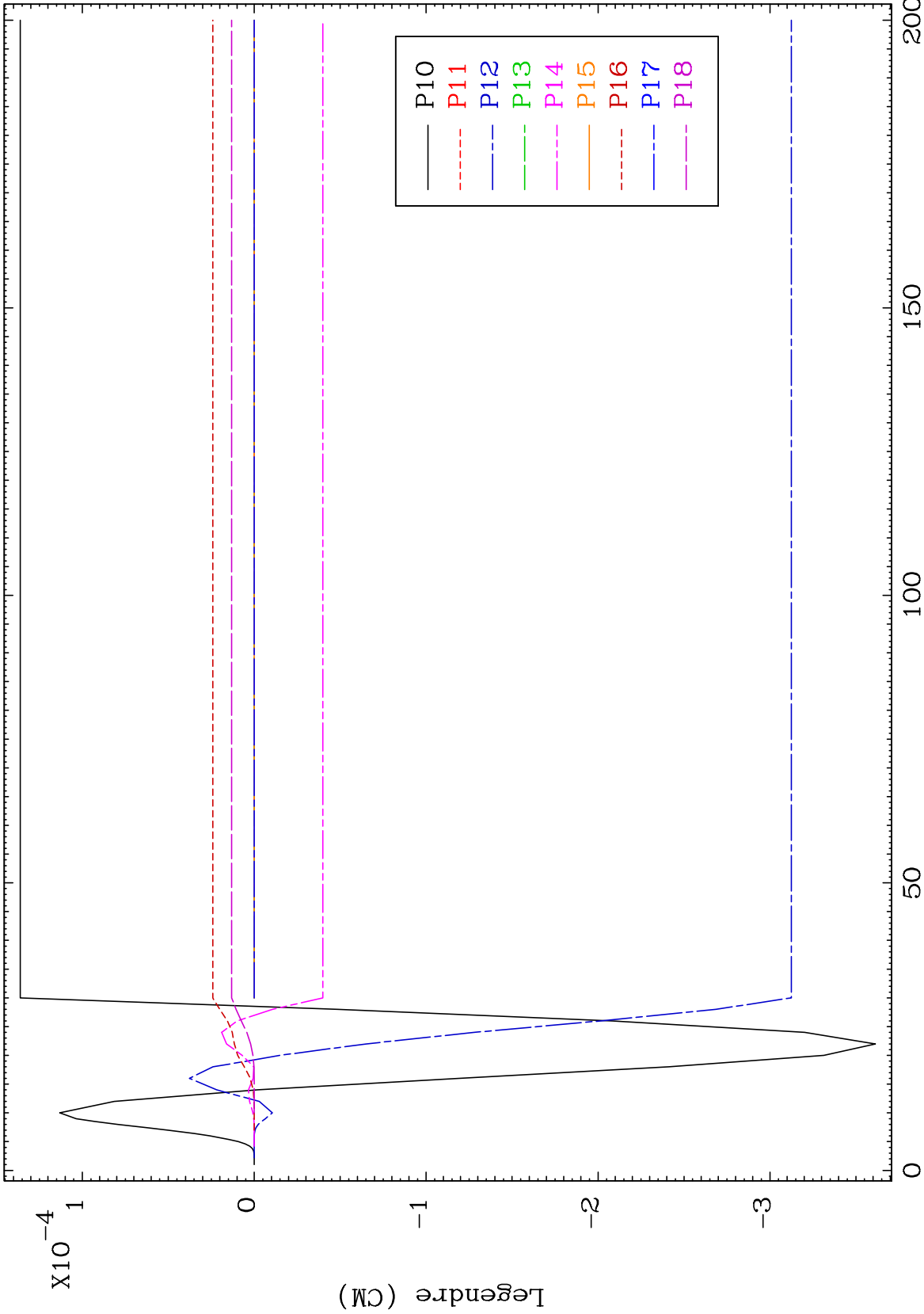
71-Lu-176



MAT 7128

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

71-Lu-176



48

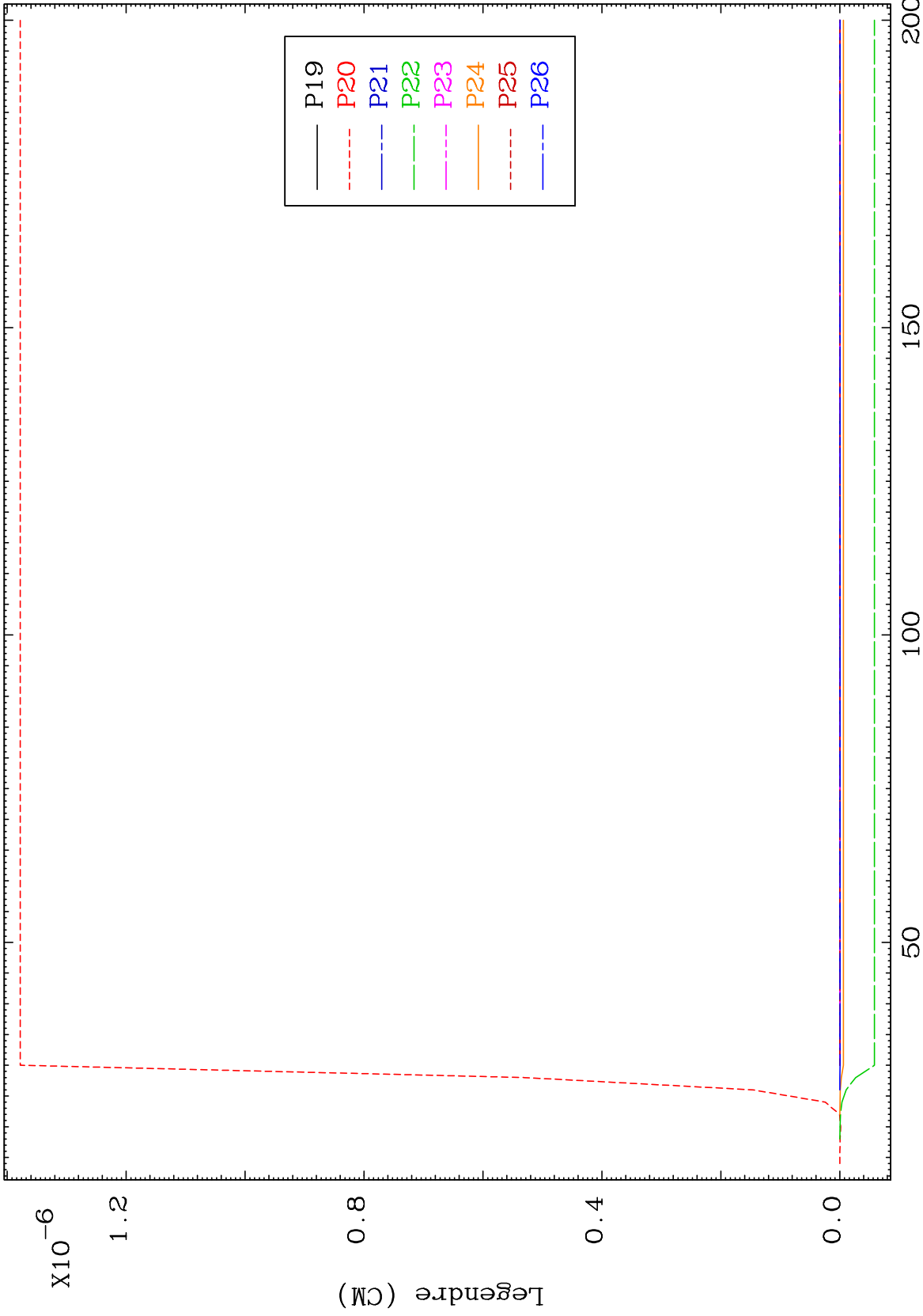
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



49

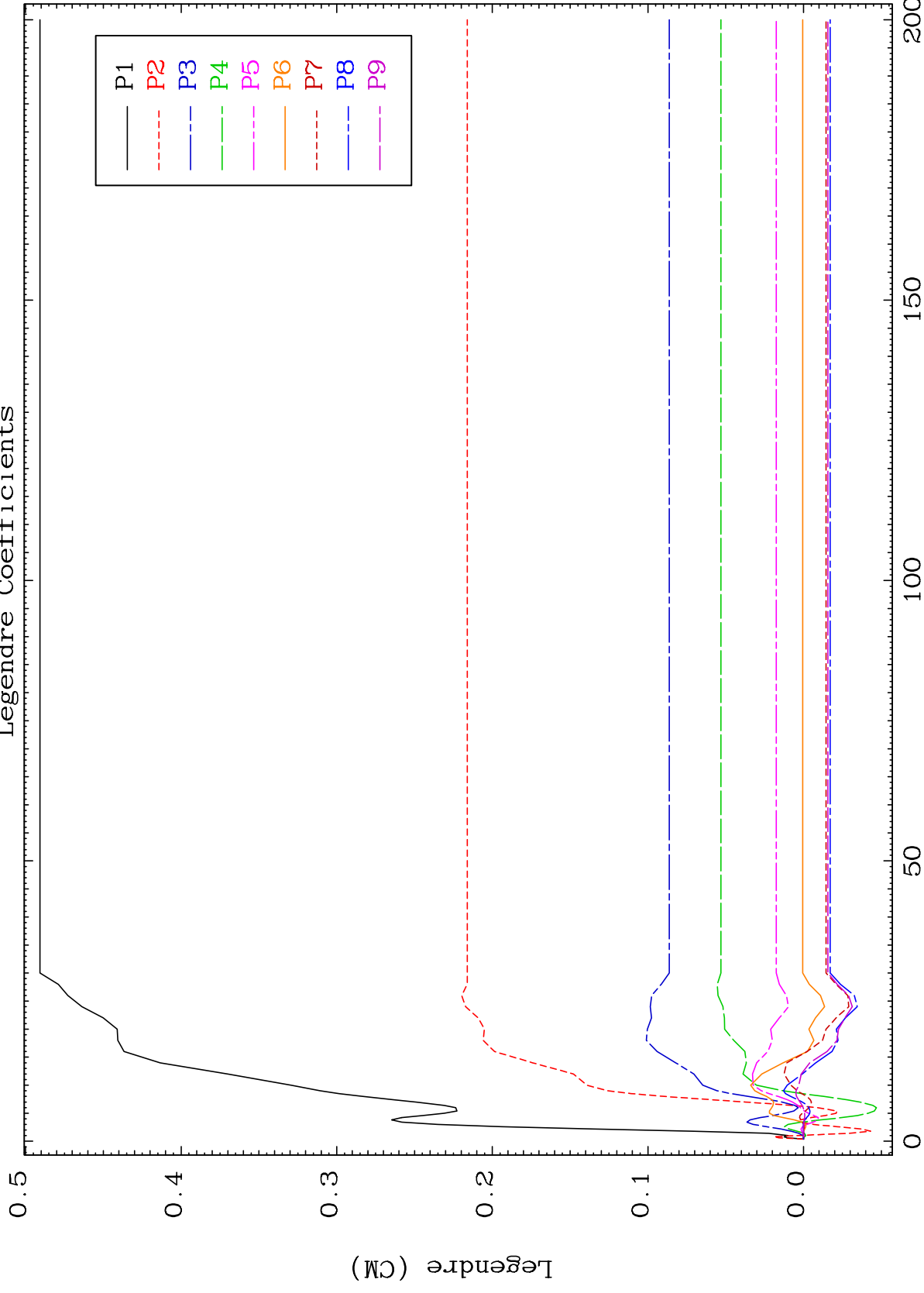
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



71-Lu-176

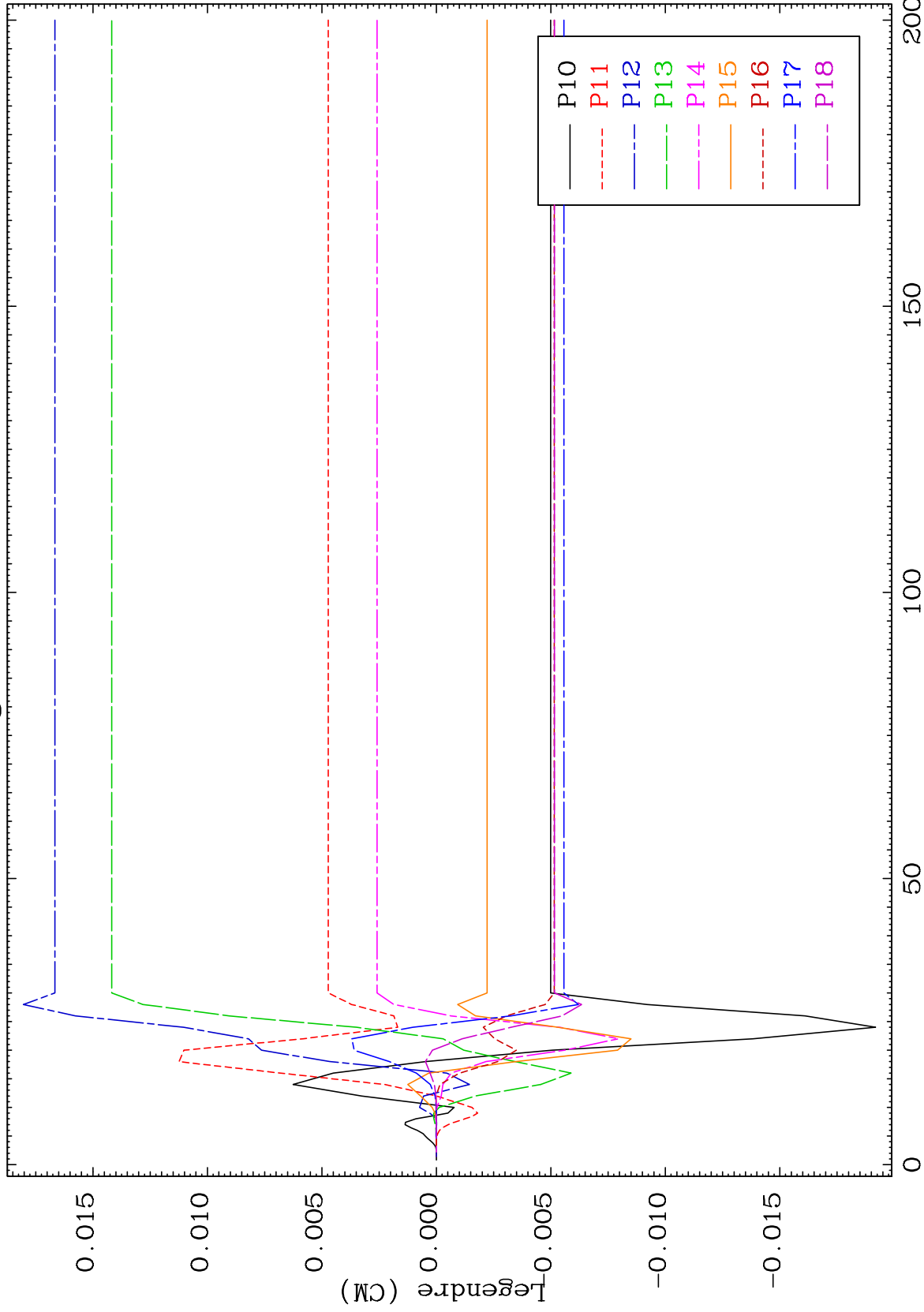
Incident Energy (MeV)

50

MAT 7128

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

71-Lu-176



51

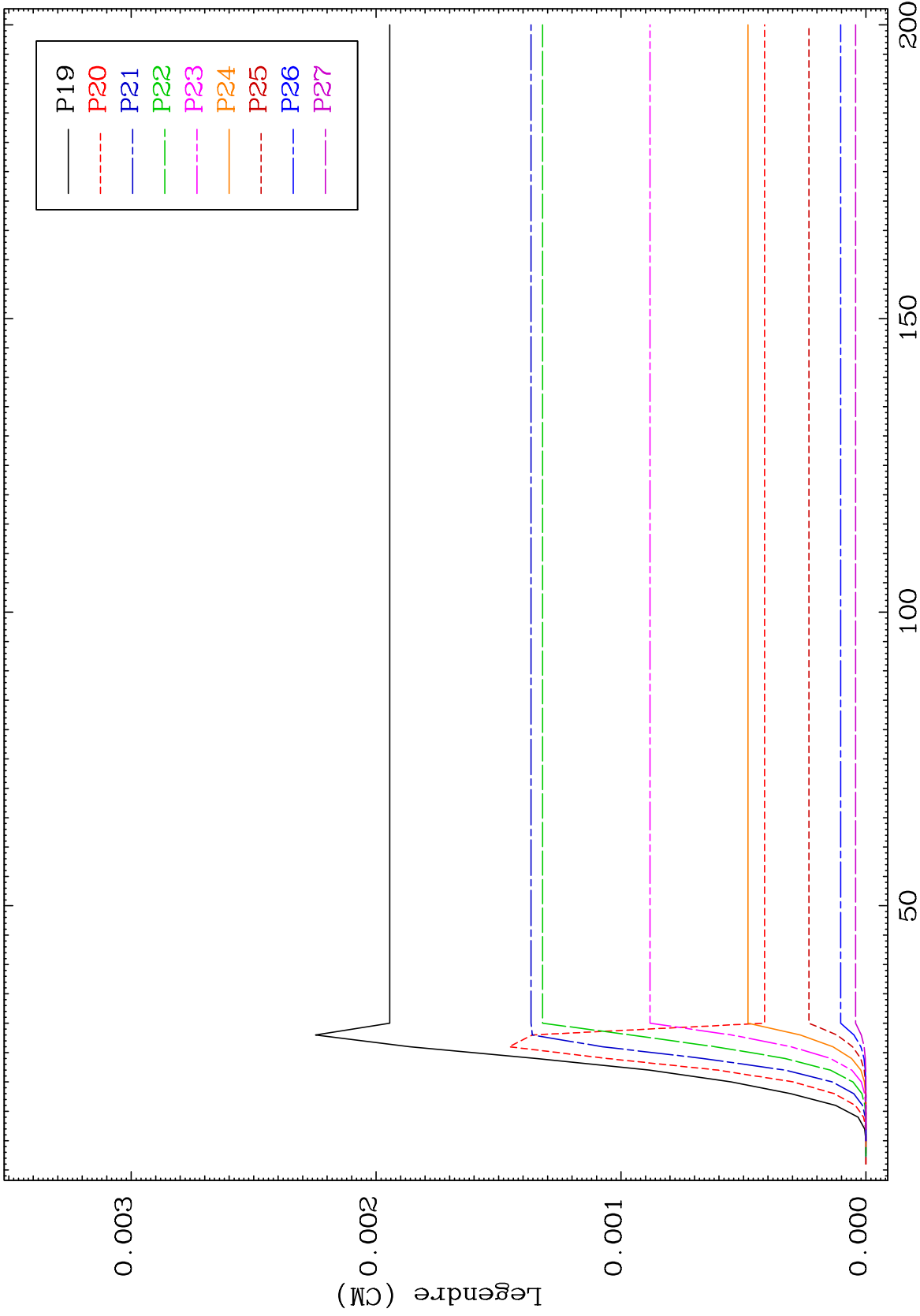
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



52

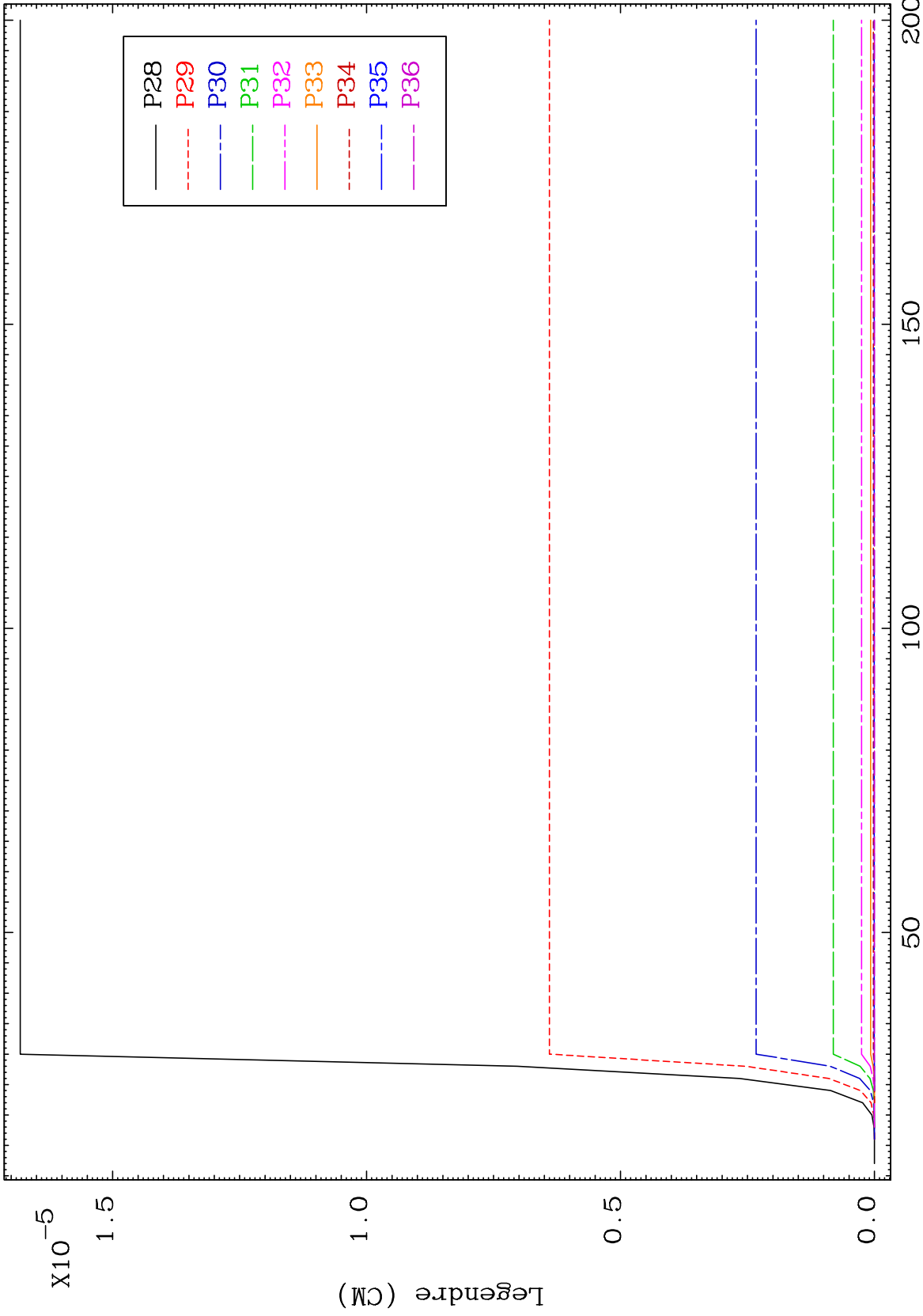
Incident Energy (MeV)

71-Lu-176

MAT 7128

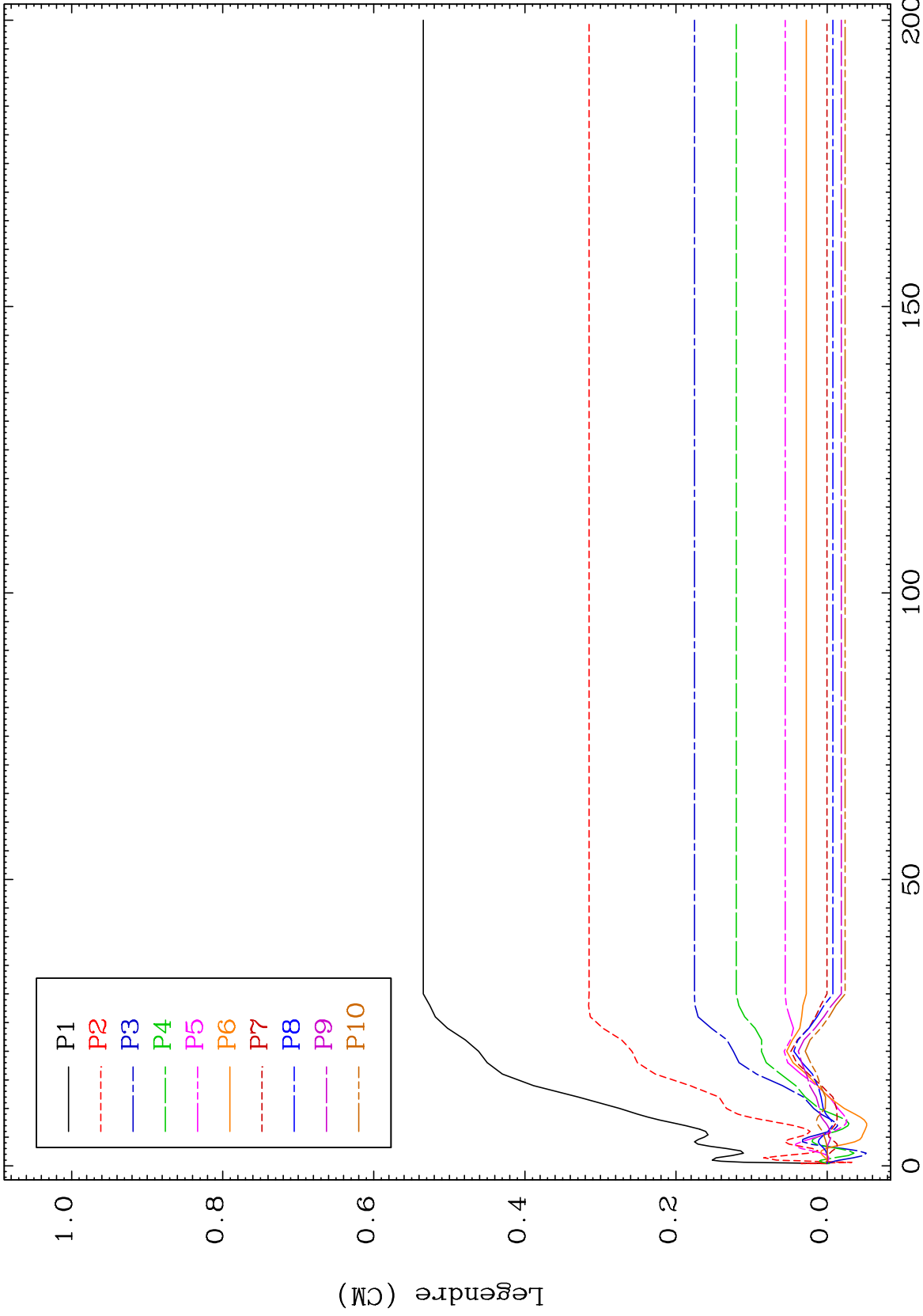
MT= 60 (n,n') Level
Legendre Coefficients

71-Lu-176



53

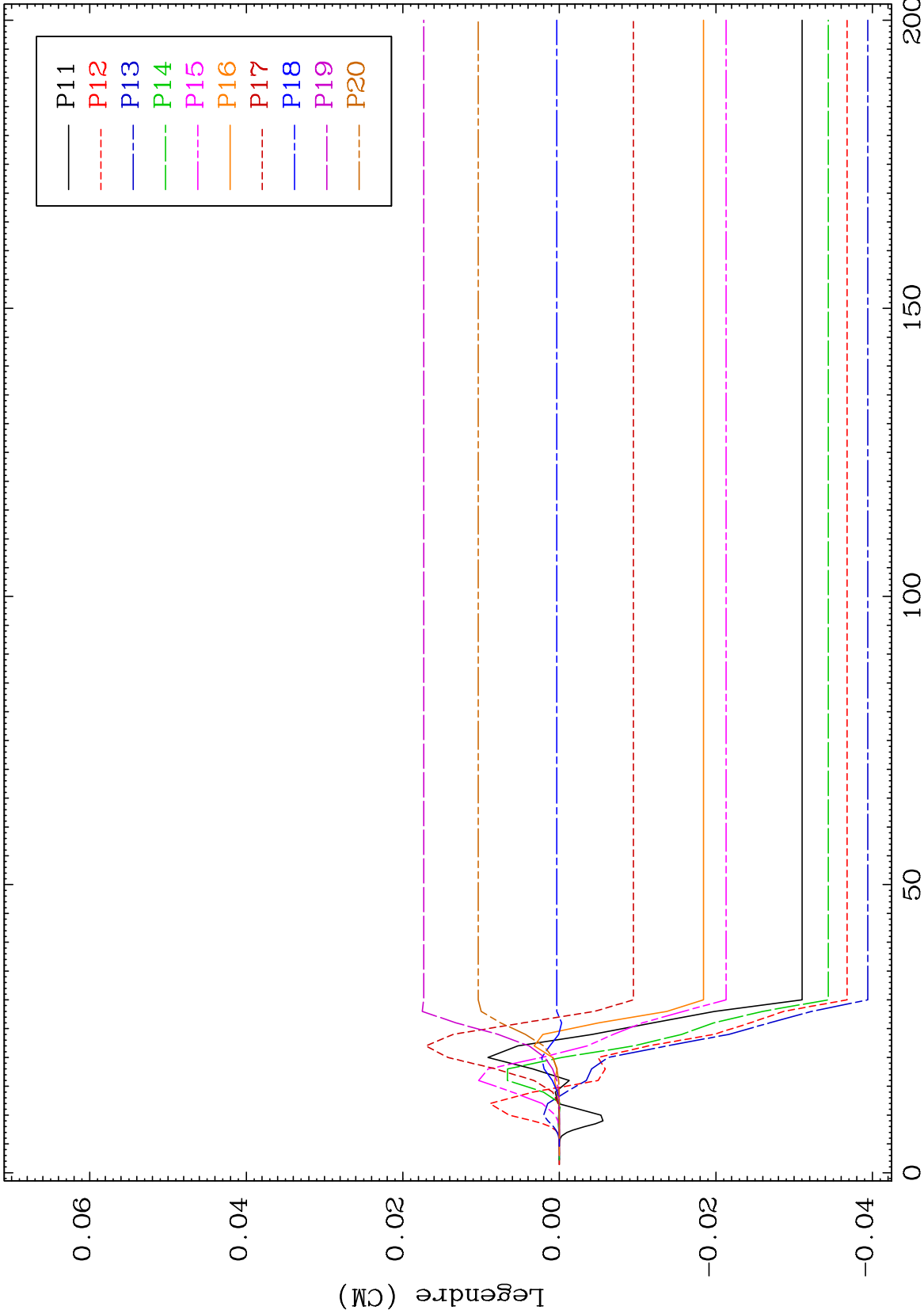
71-Lu-176



MAT 7128

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

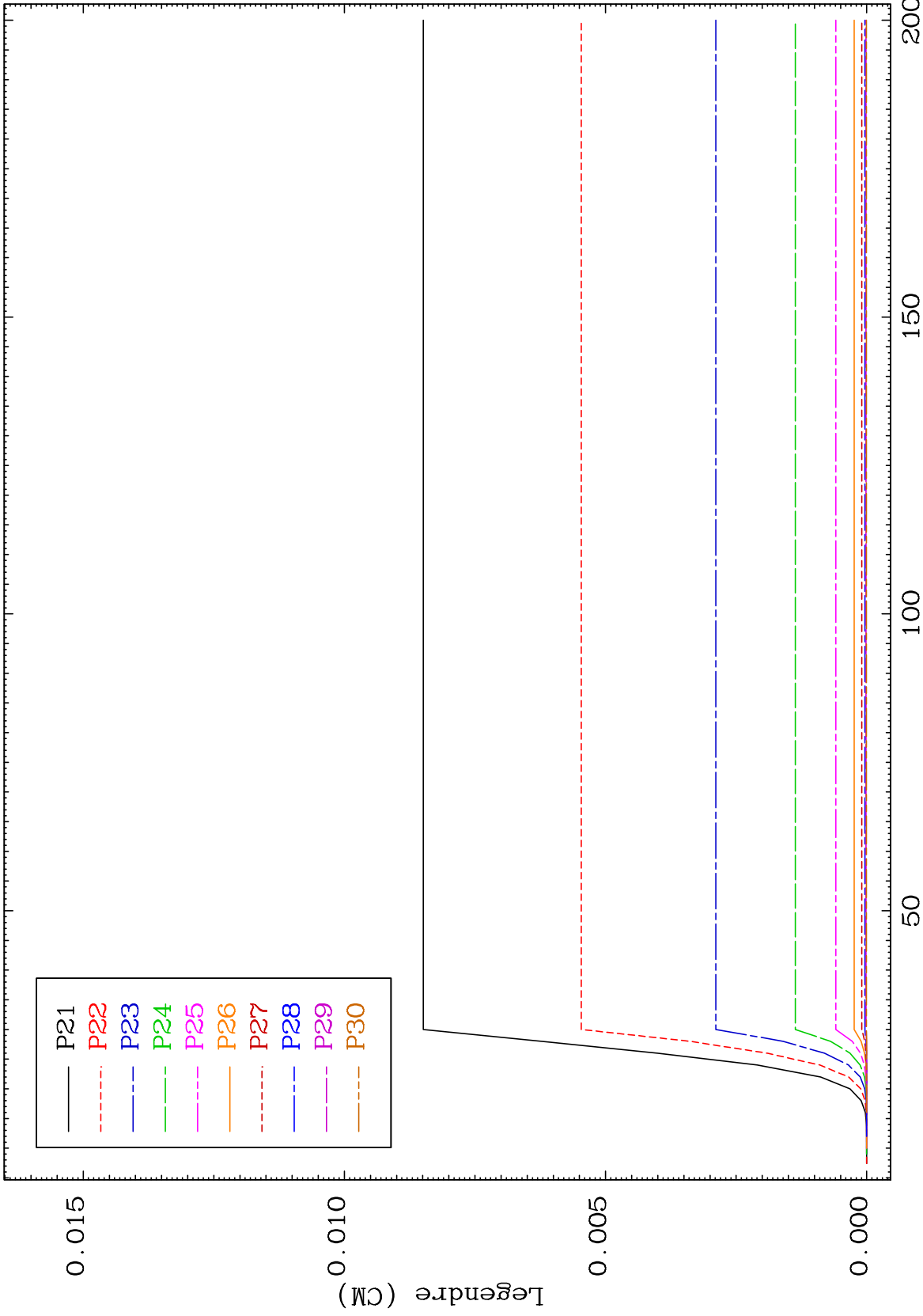
71-Lu-176



55

Incident Energy (MeV)

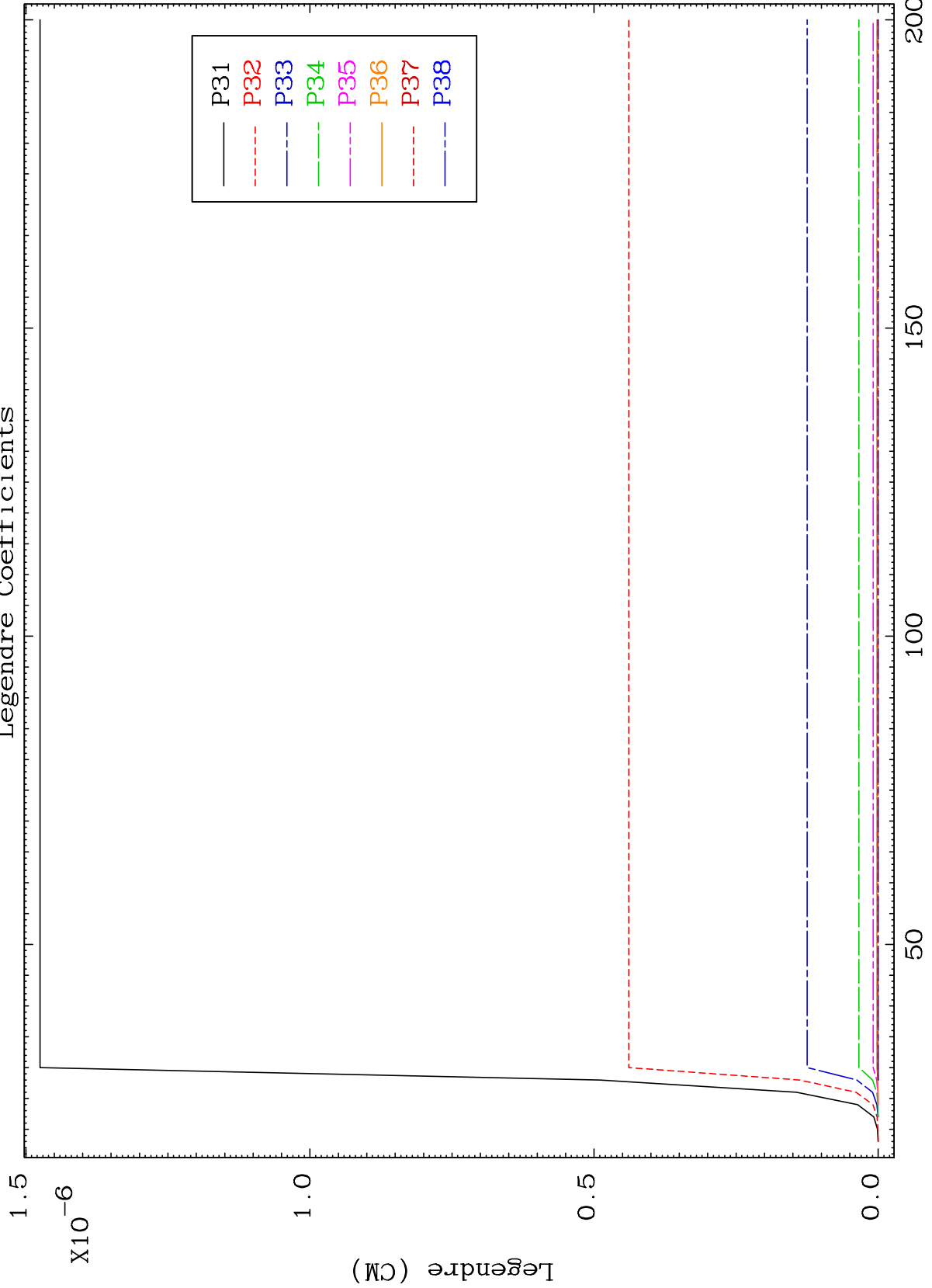
71-Lu-176



MAT 7128

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

71-Lu-176



57

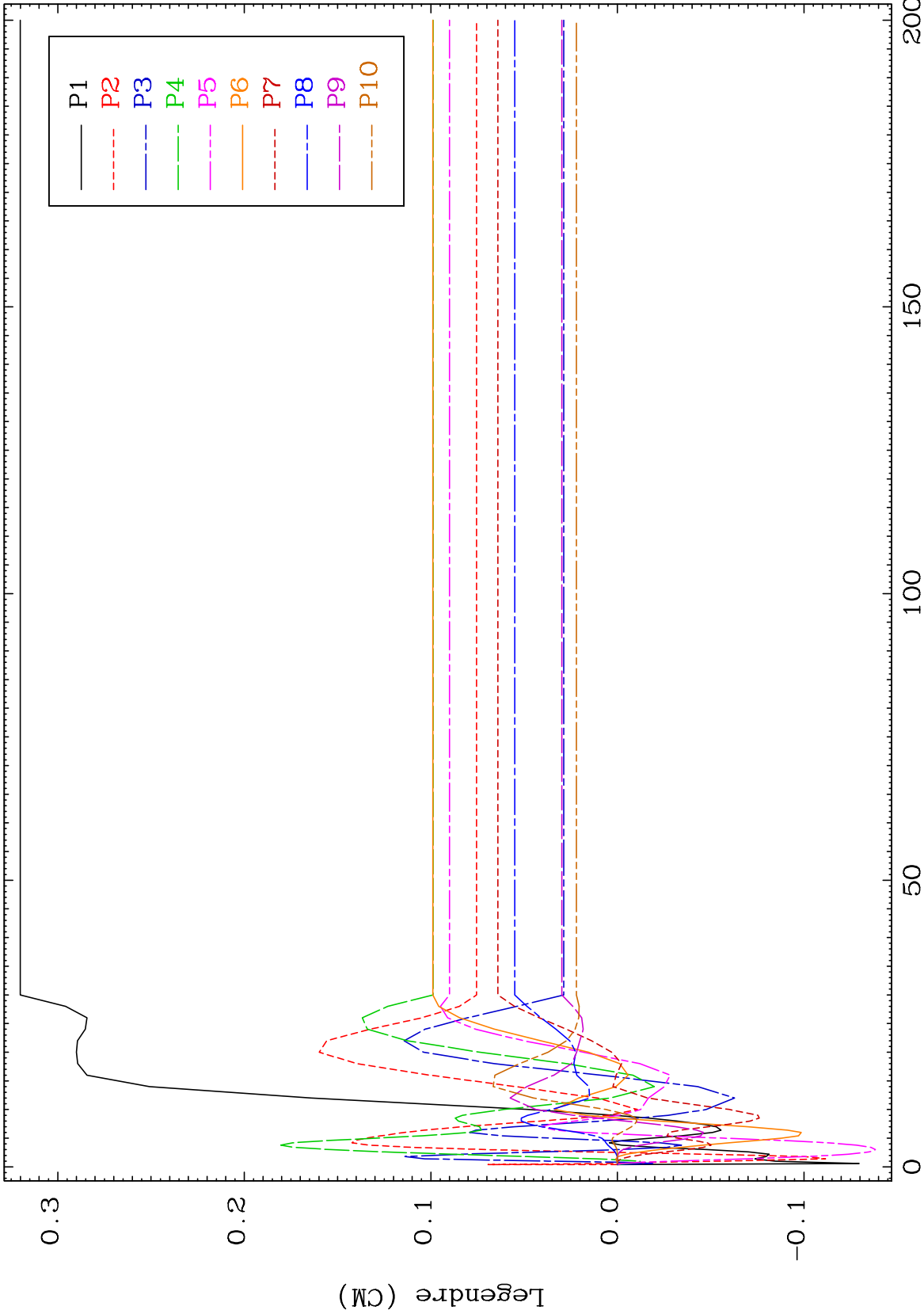
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



58

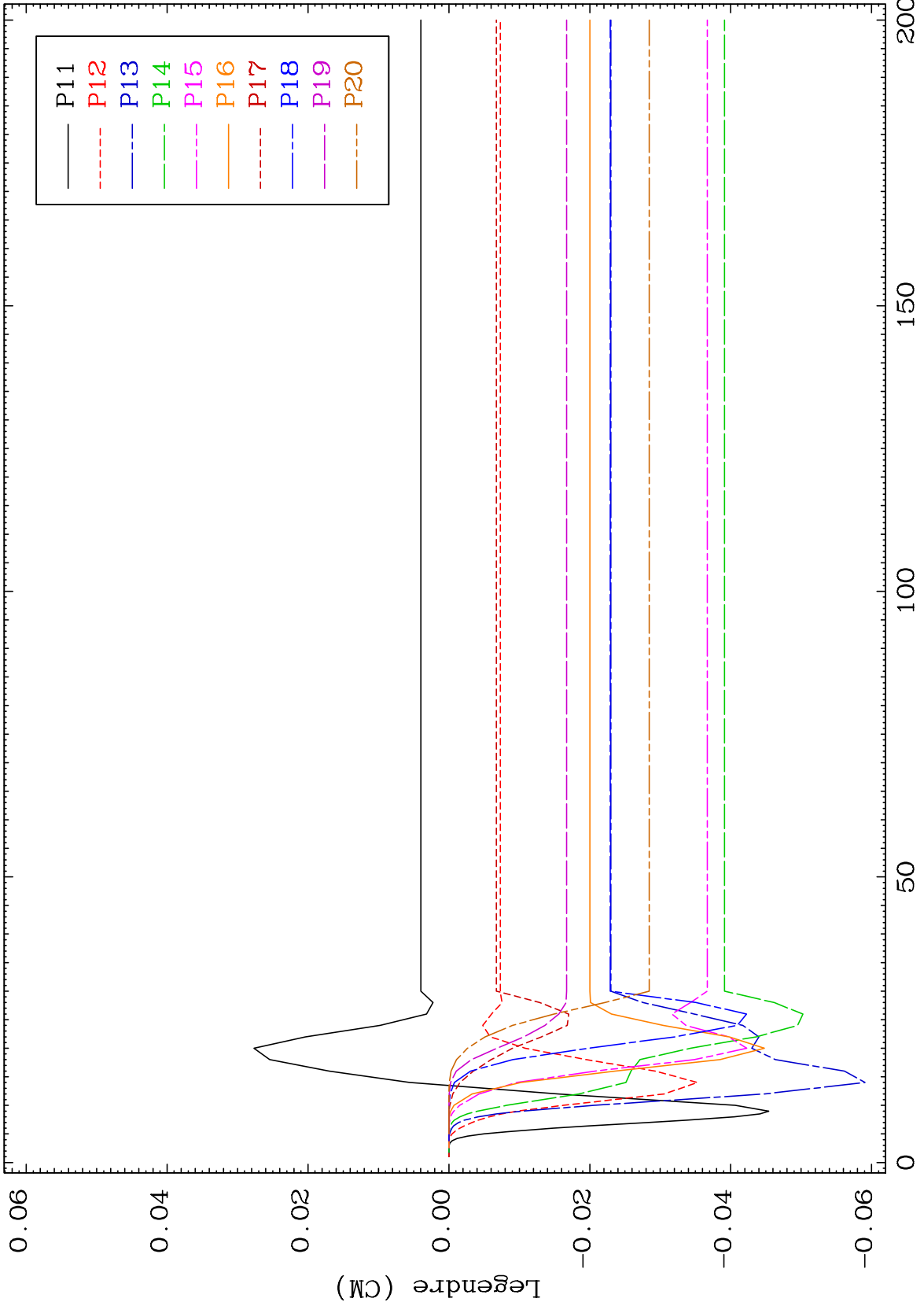
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176

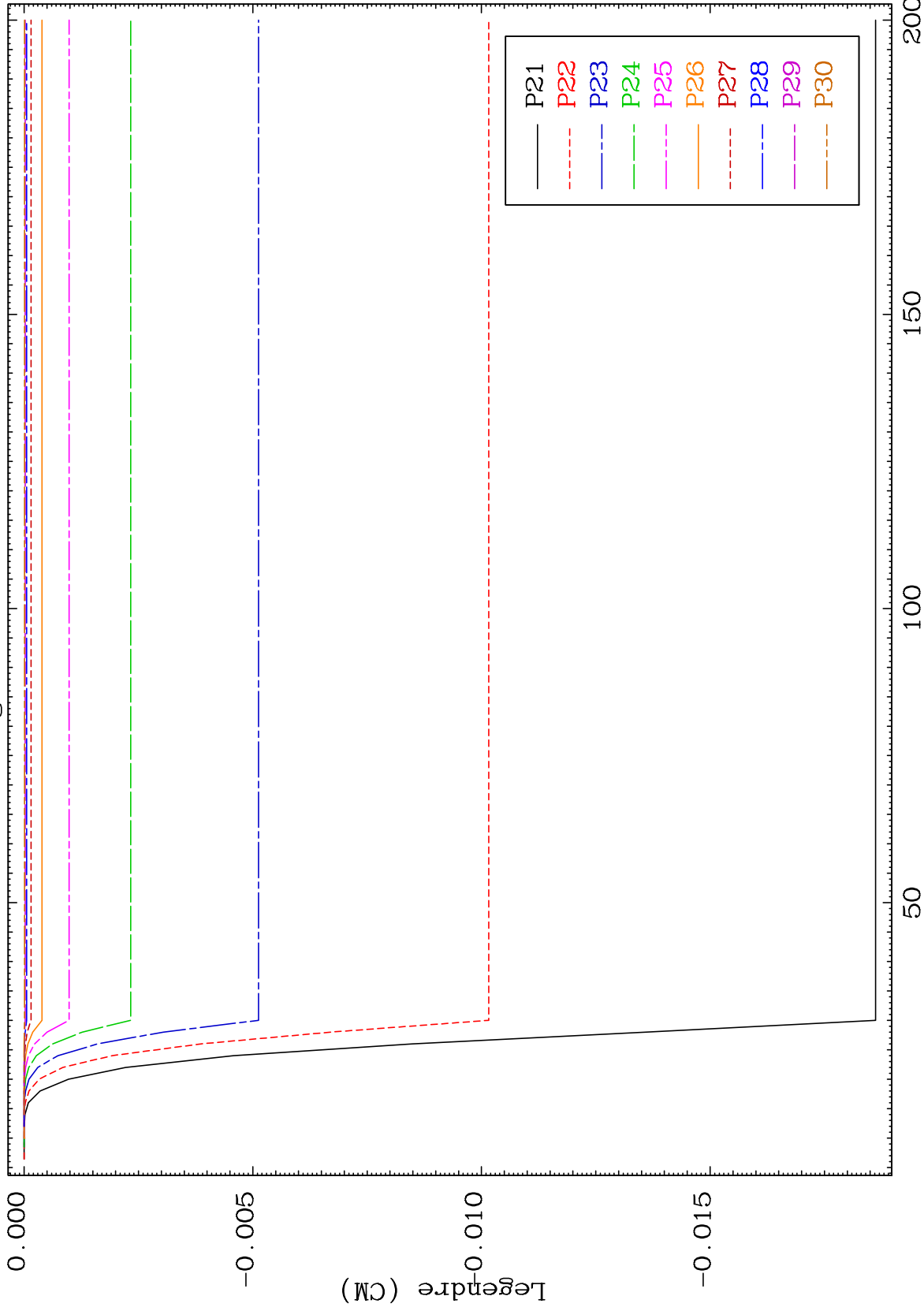


59

Incident Energy (MeV)

71-Lu-176

MAT 7128 MT= 62 (n,n') Level Legendre Coefficients 71-Lu-176

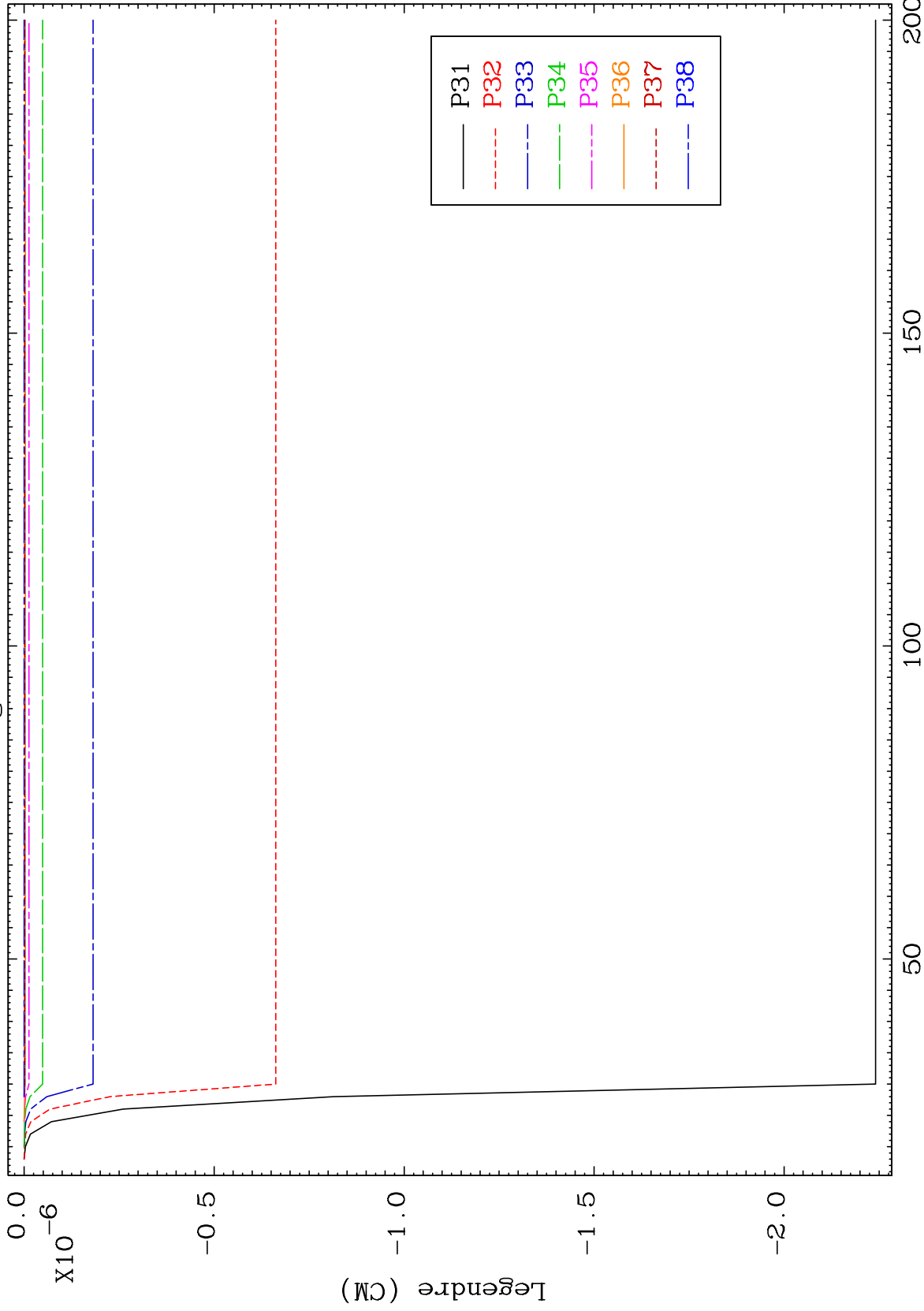


60 Incident Energy (MeV) 71-Lu-176

MAT 7128

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

71-Lu-176



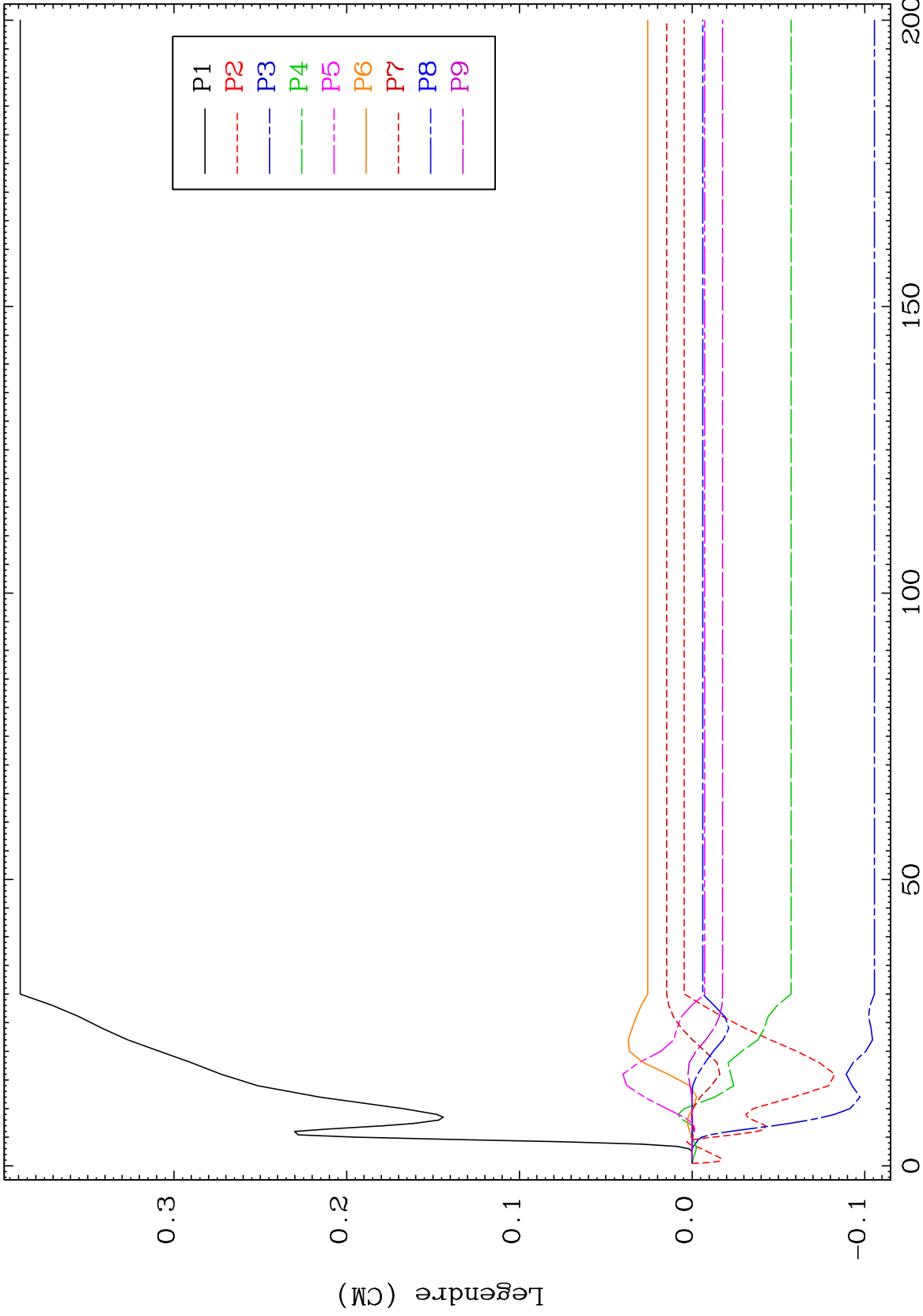
61

71-Lu-176

MAT 7128

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

71-Lu-176



62

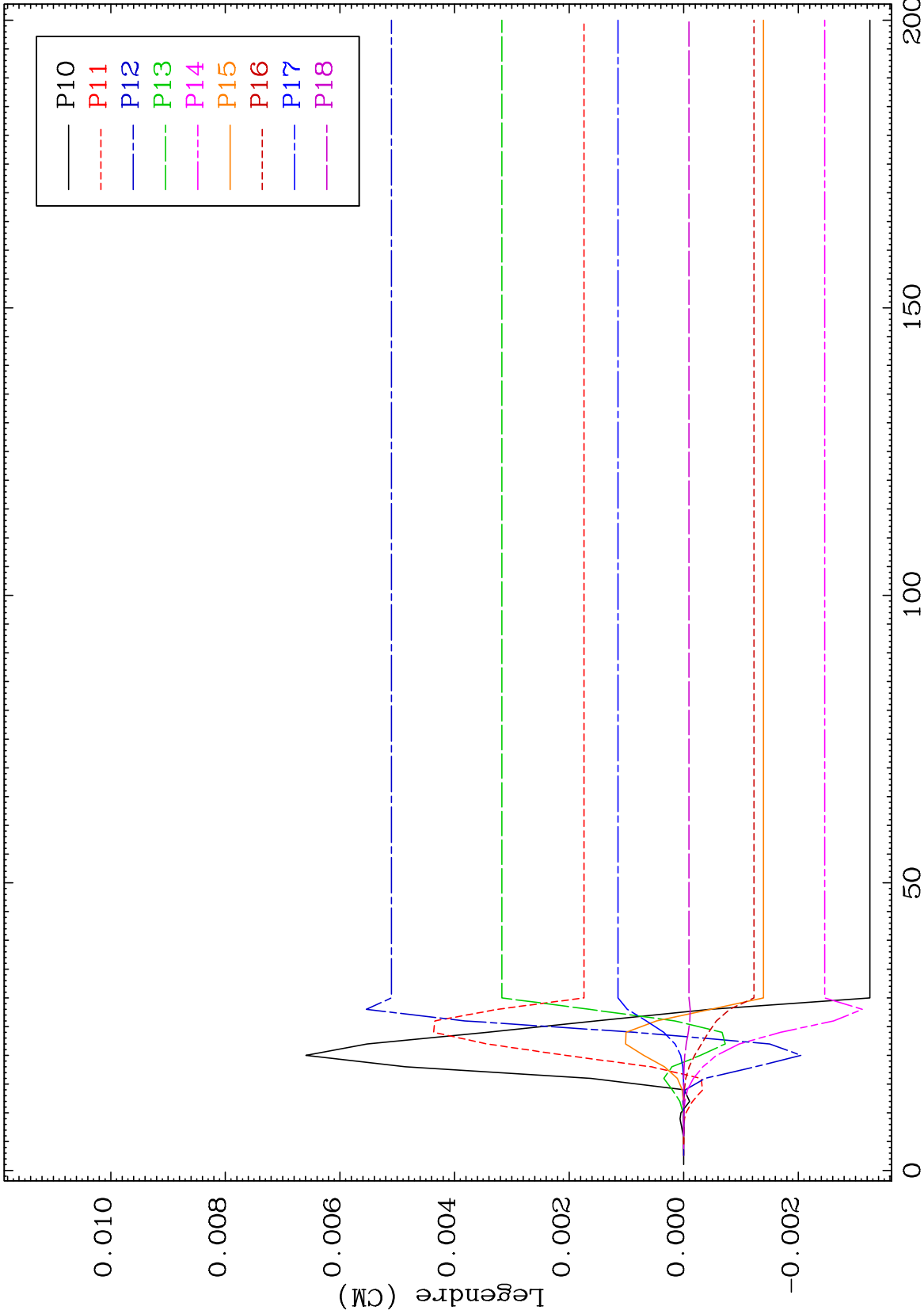
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



63

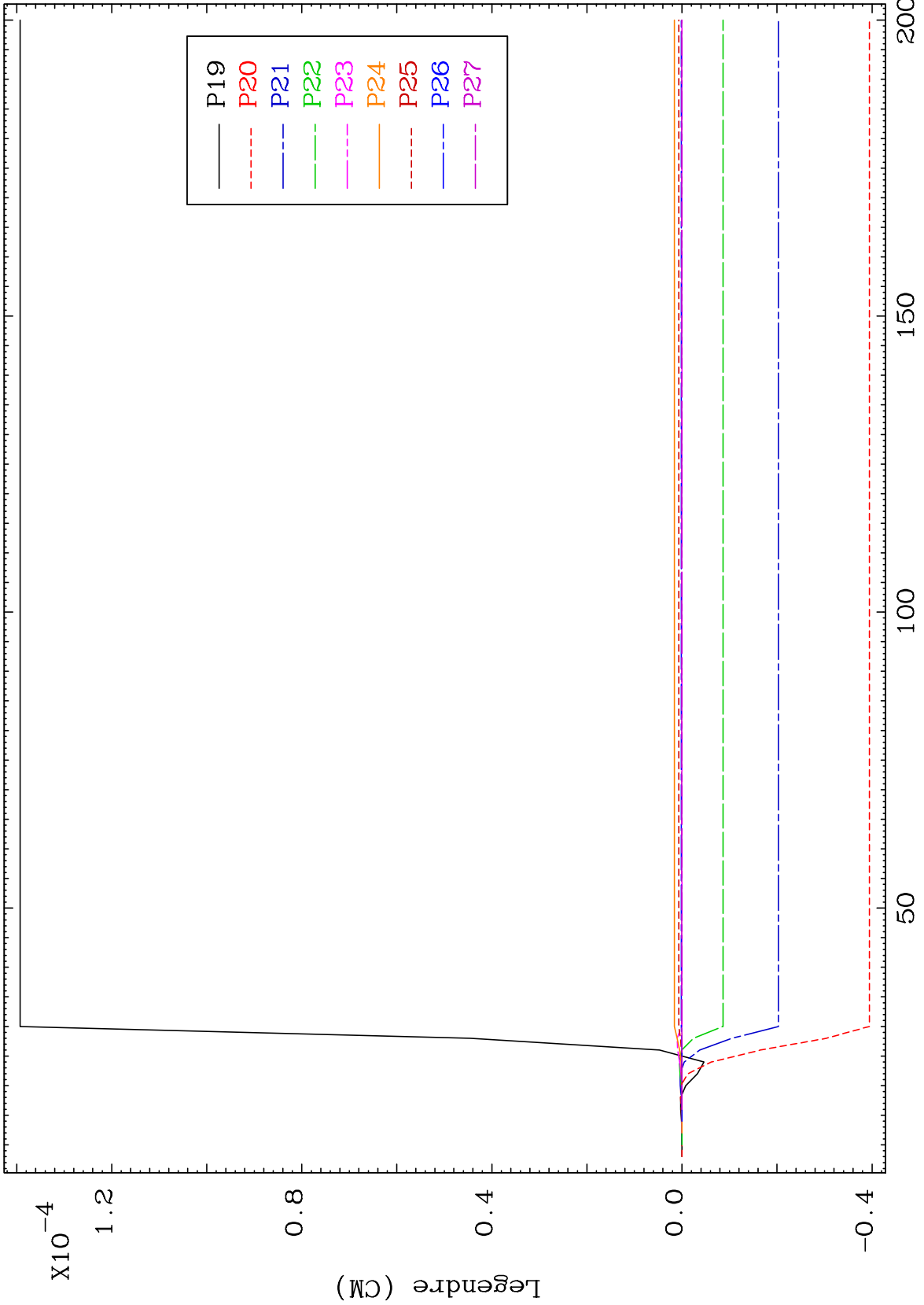
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



64

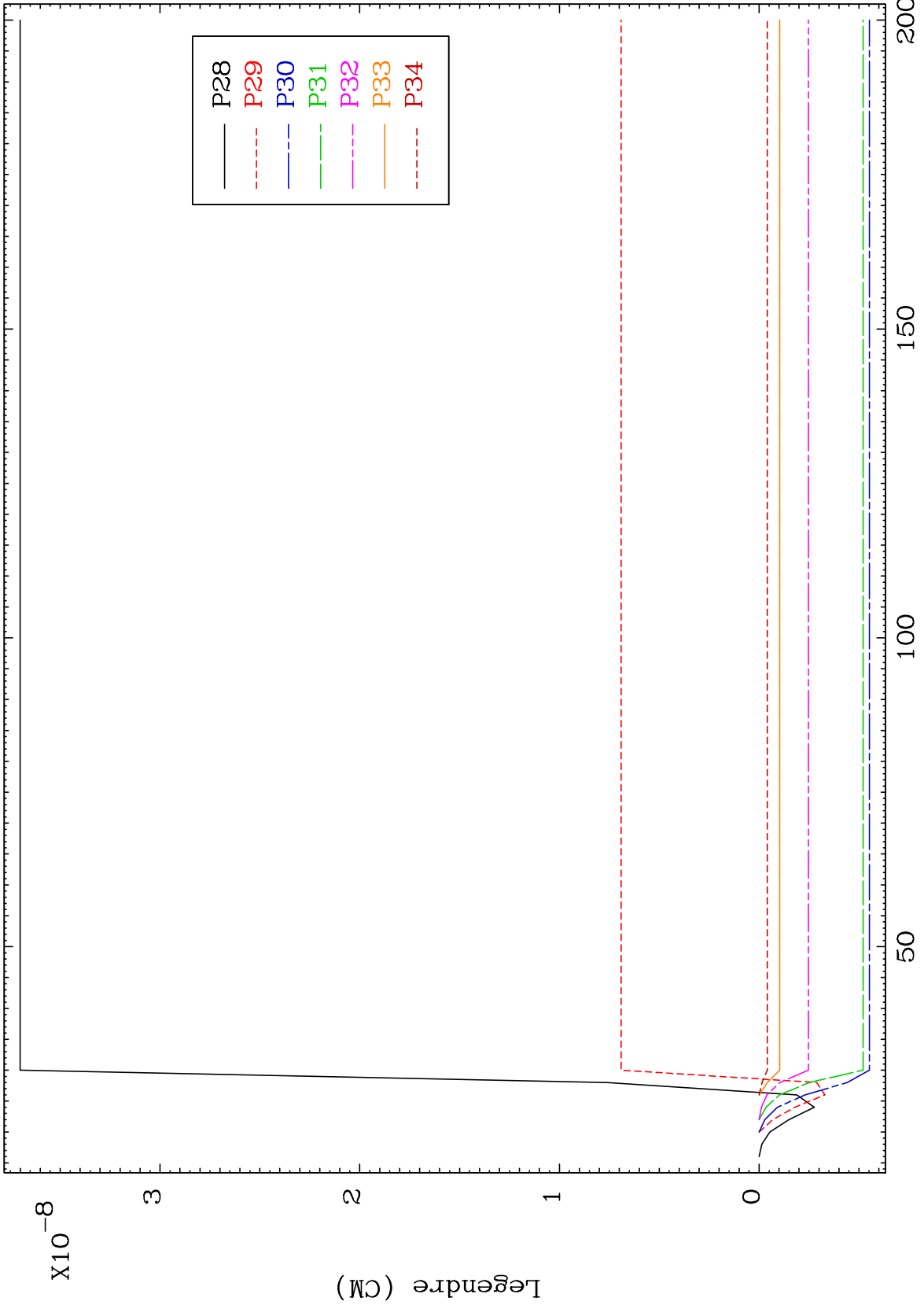
Incident Energy (MeV)

71-Lu-176

MAT 7128

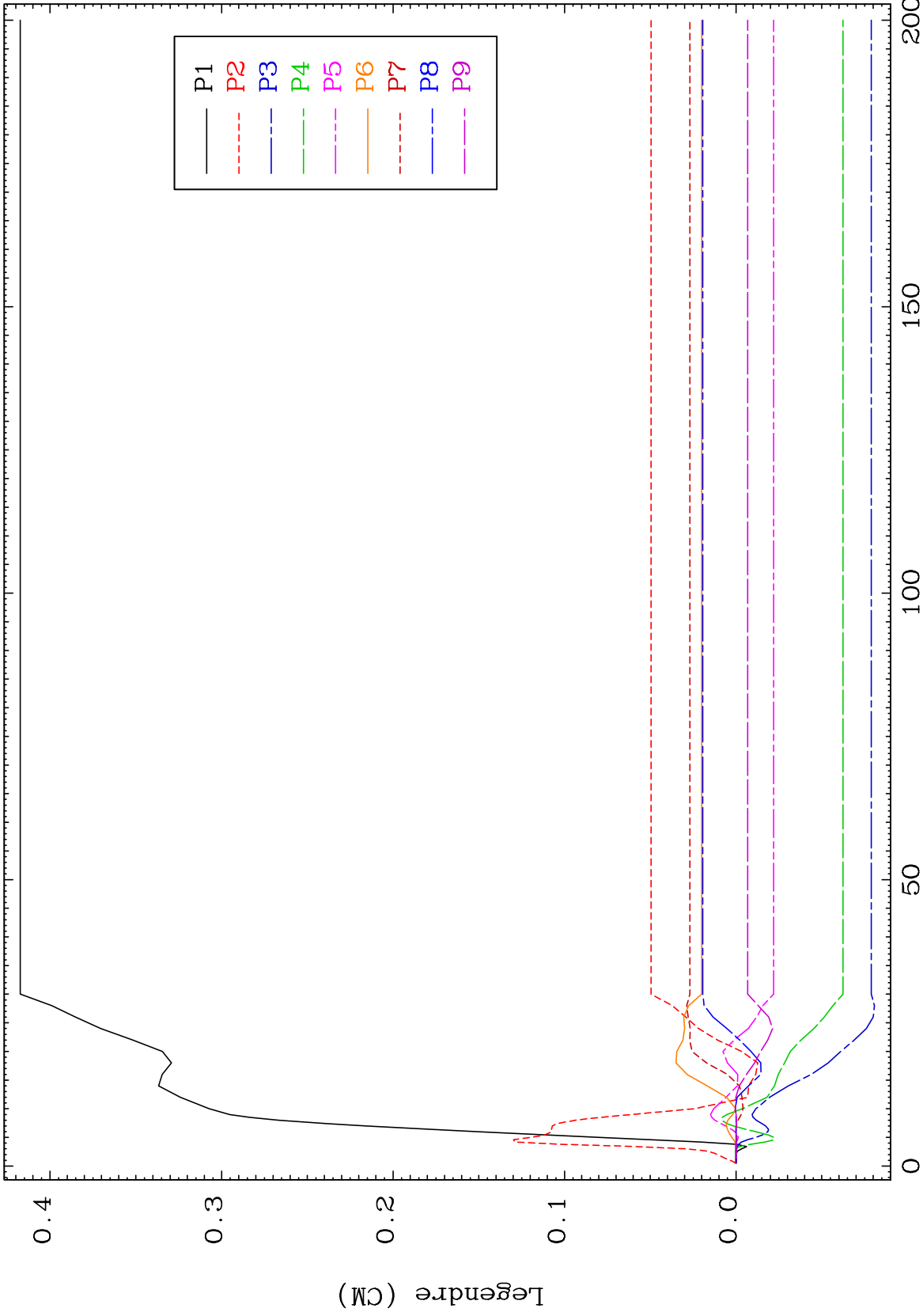
MT= 63 (n,n') Level
Legendre Coefficients

71-Lu-176



65

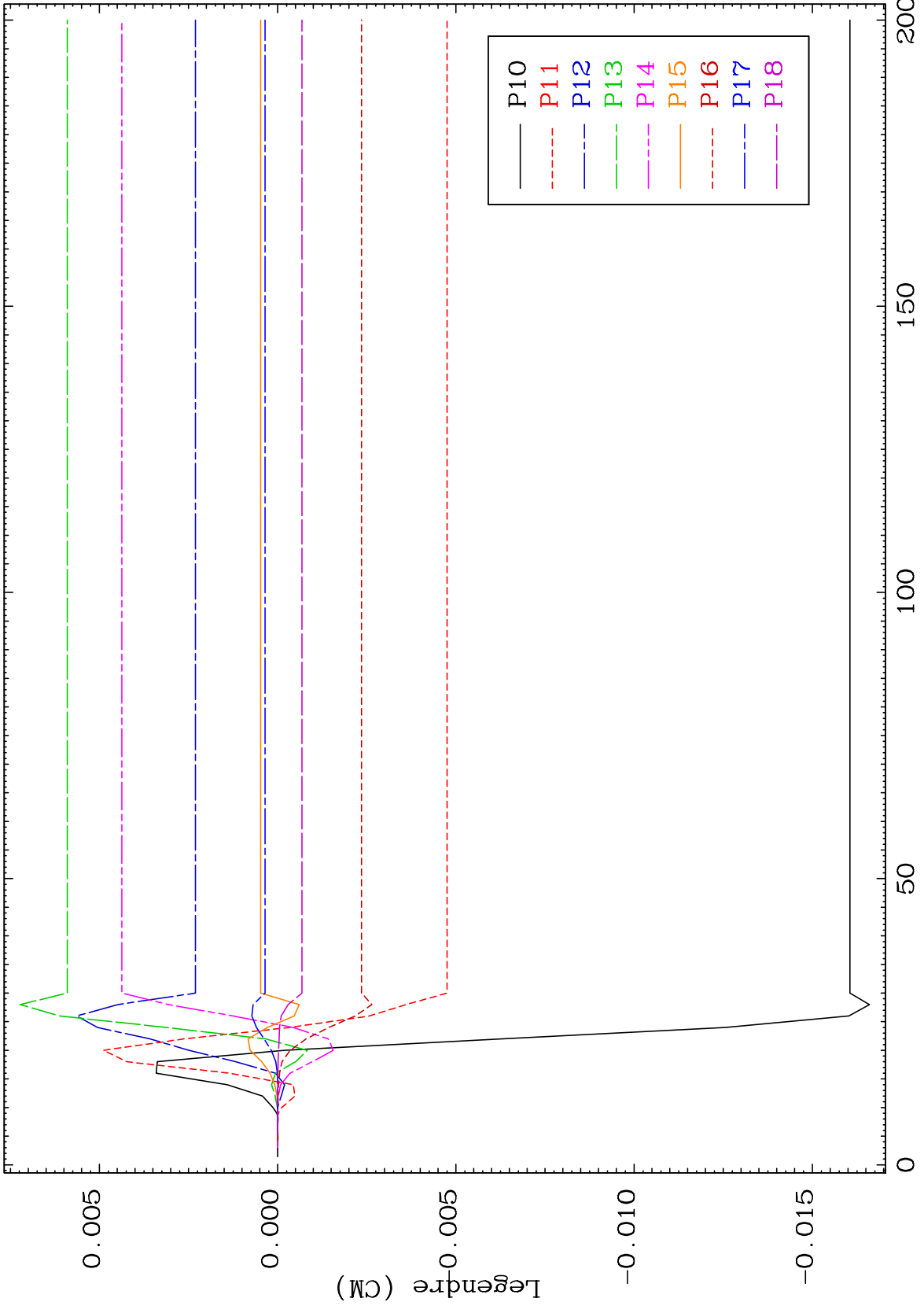
71-Lu-176



MAT 7128

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

71-Lu-176



67

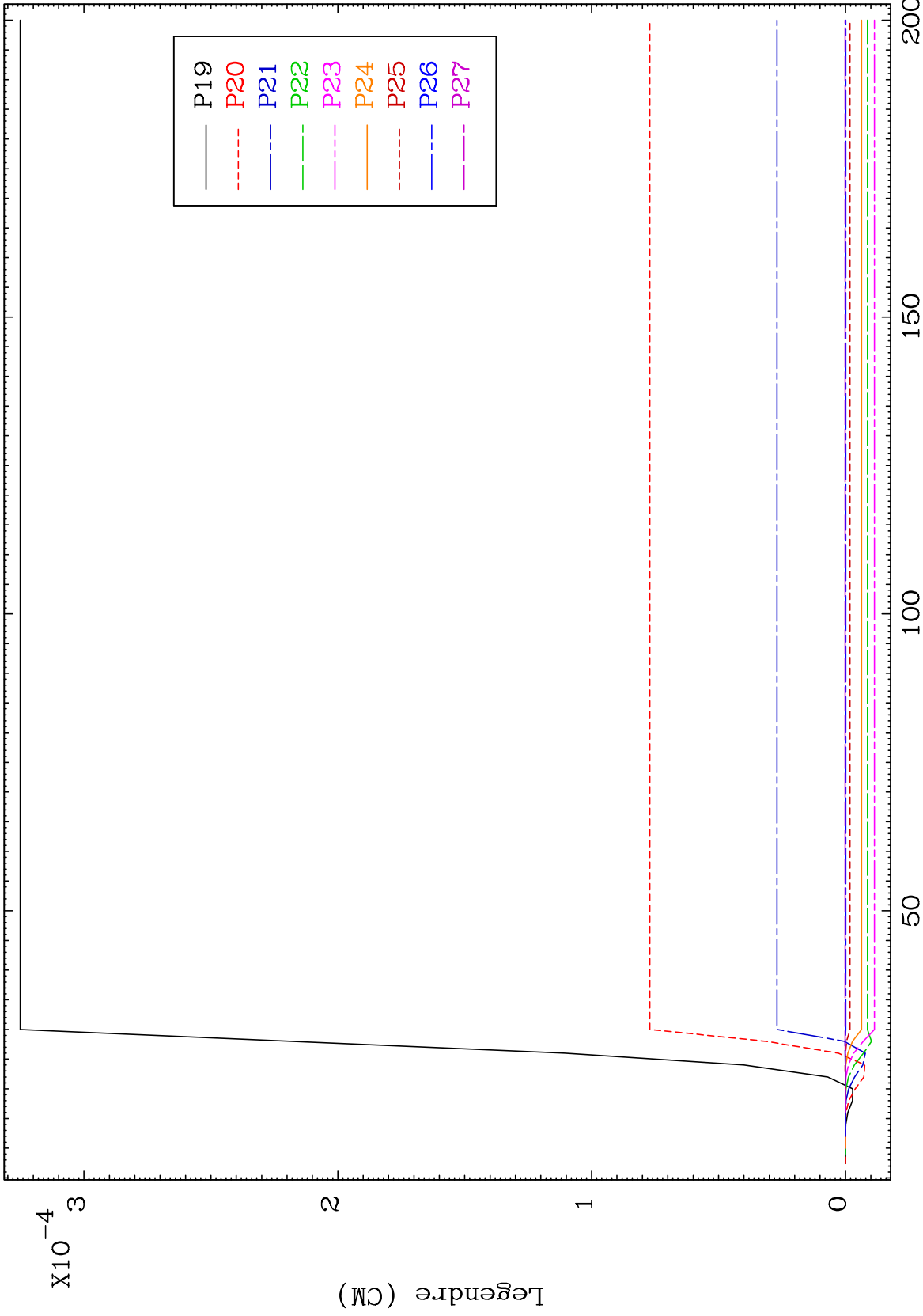
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

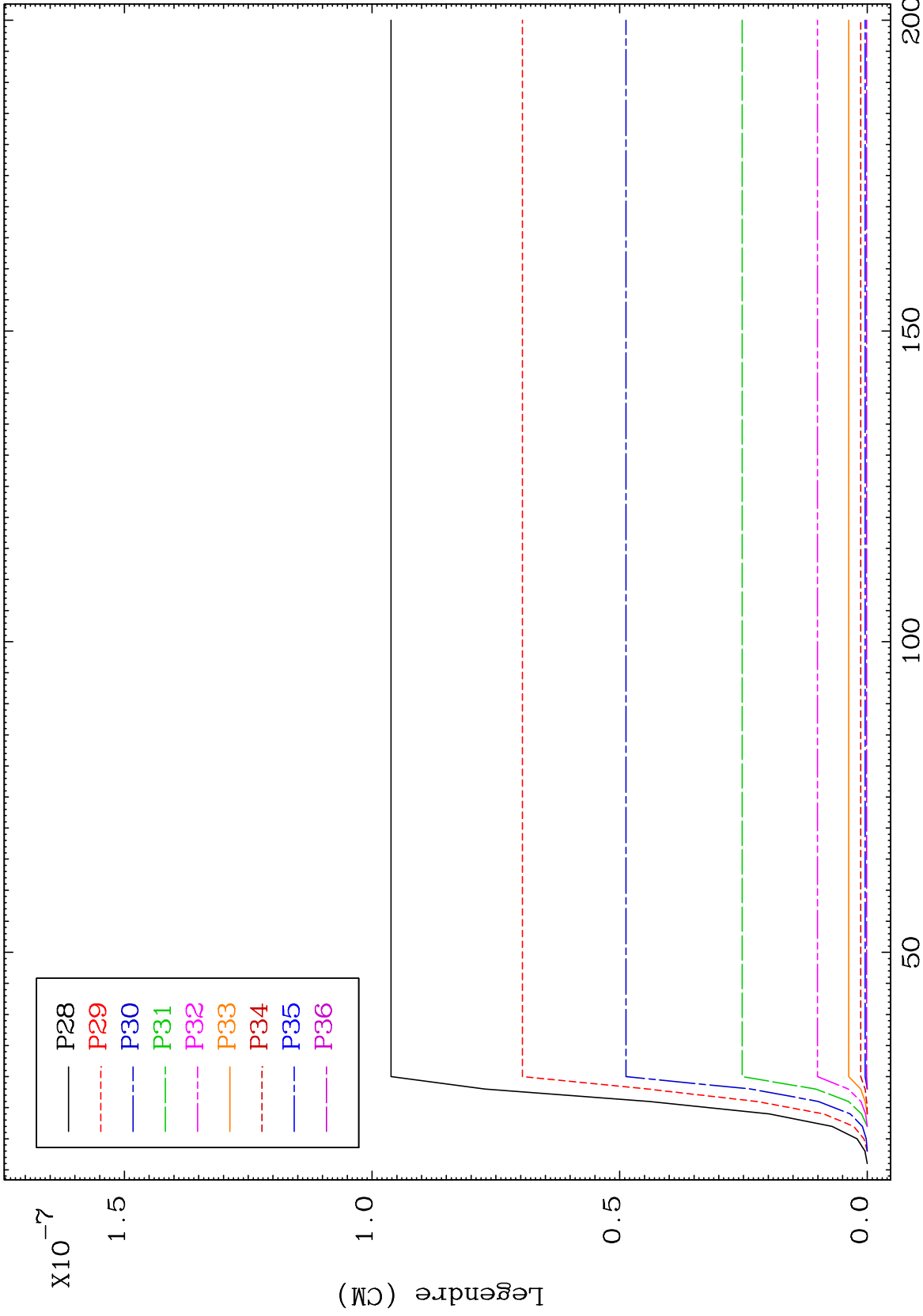
71-Lu-176



68

Incident Energy (MeV)

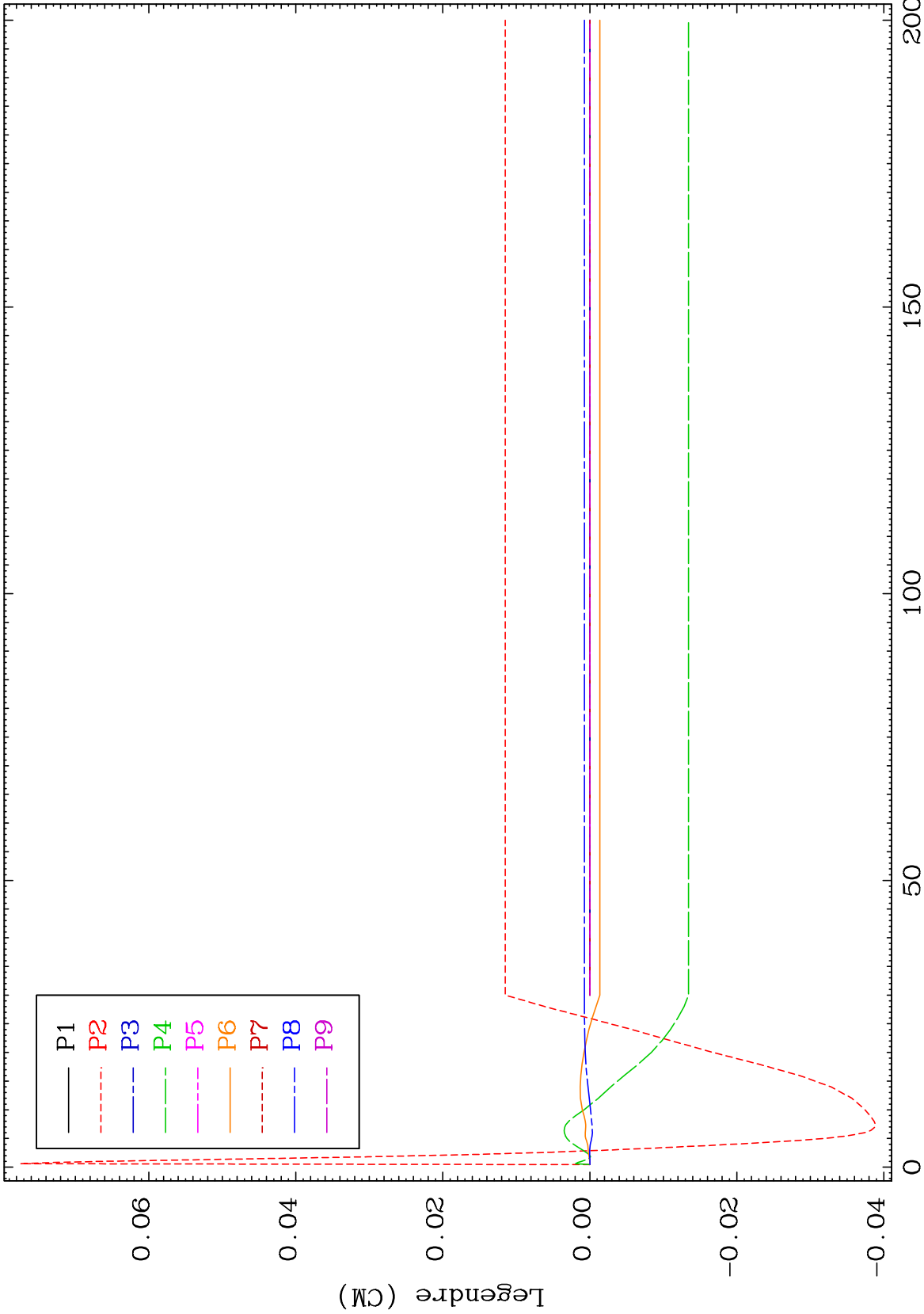
71-Lu-176



MAT 7128

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

71-Lu-176



70

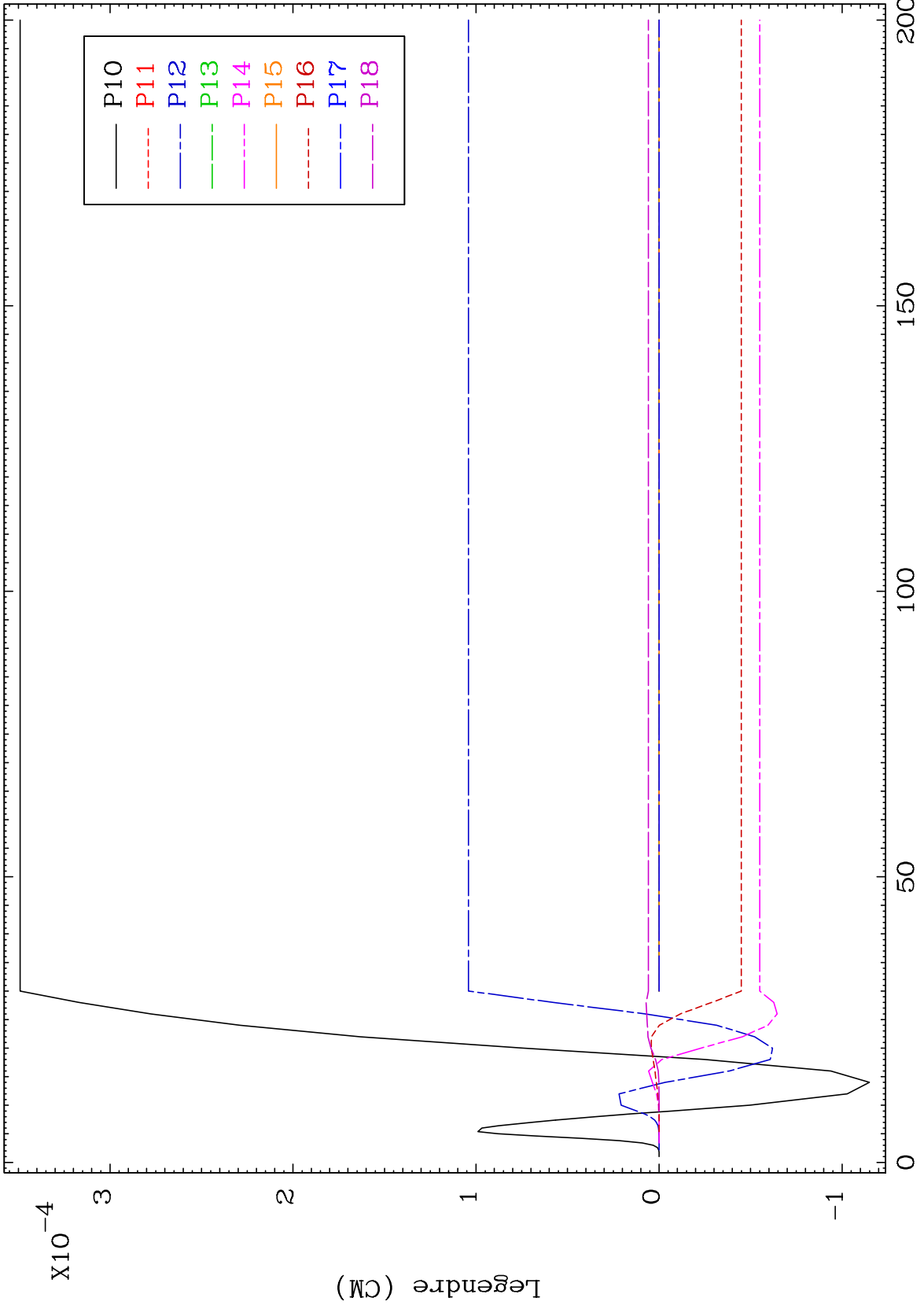
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



71

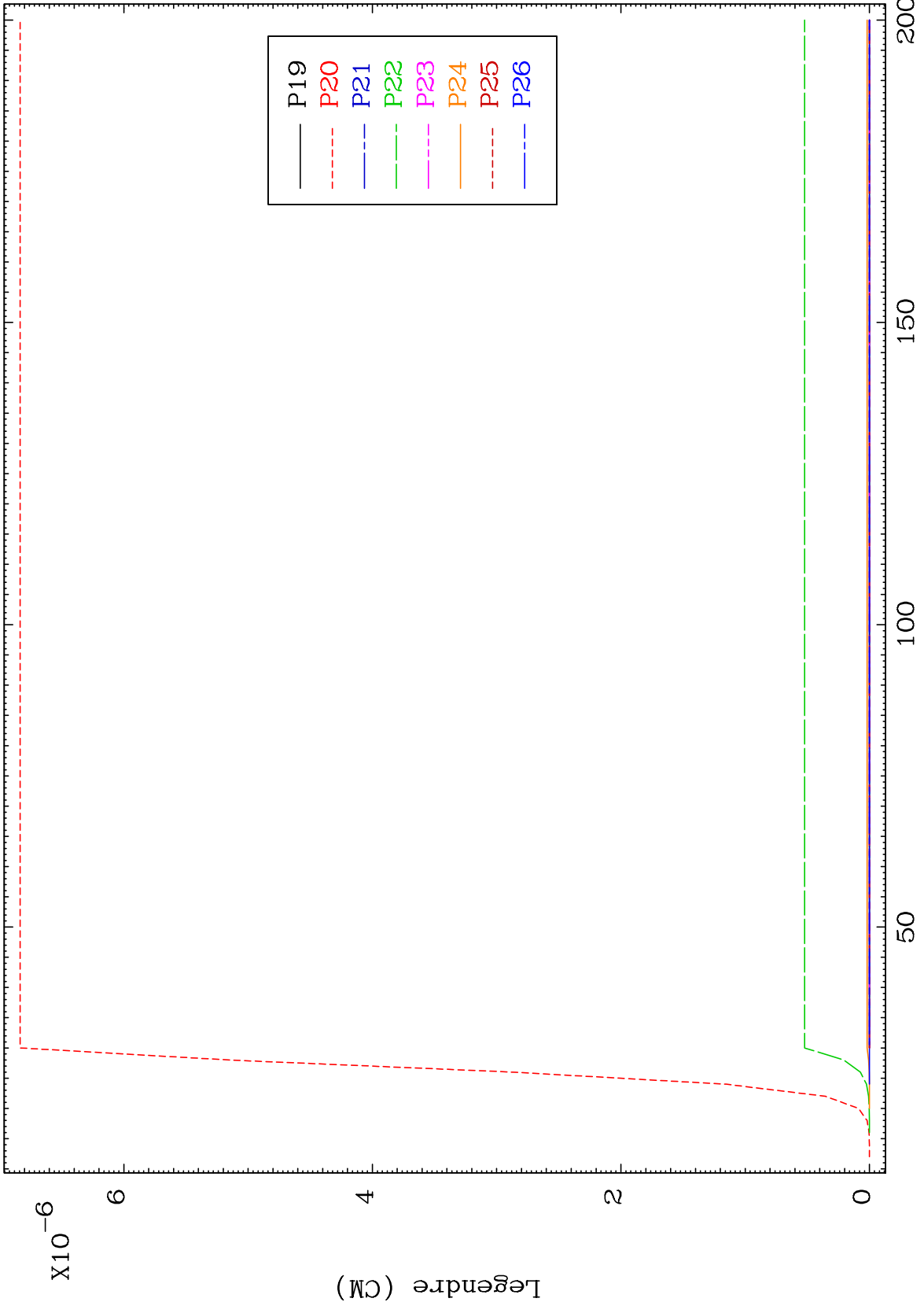
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



72

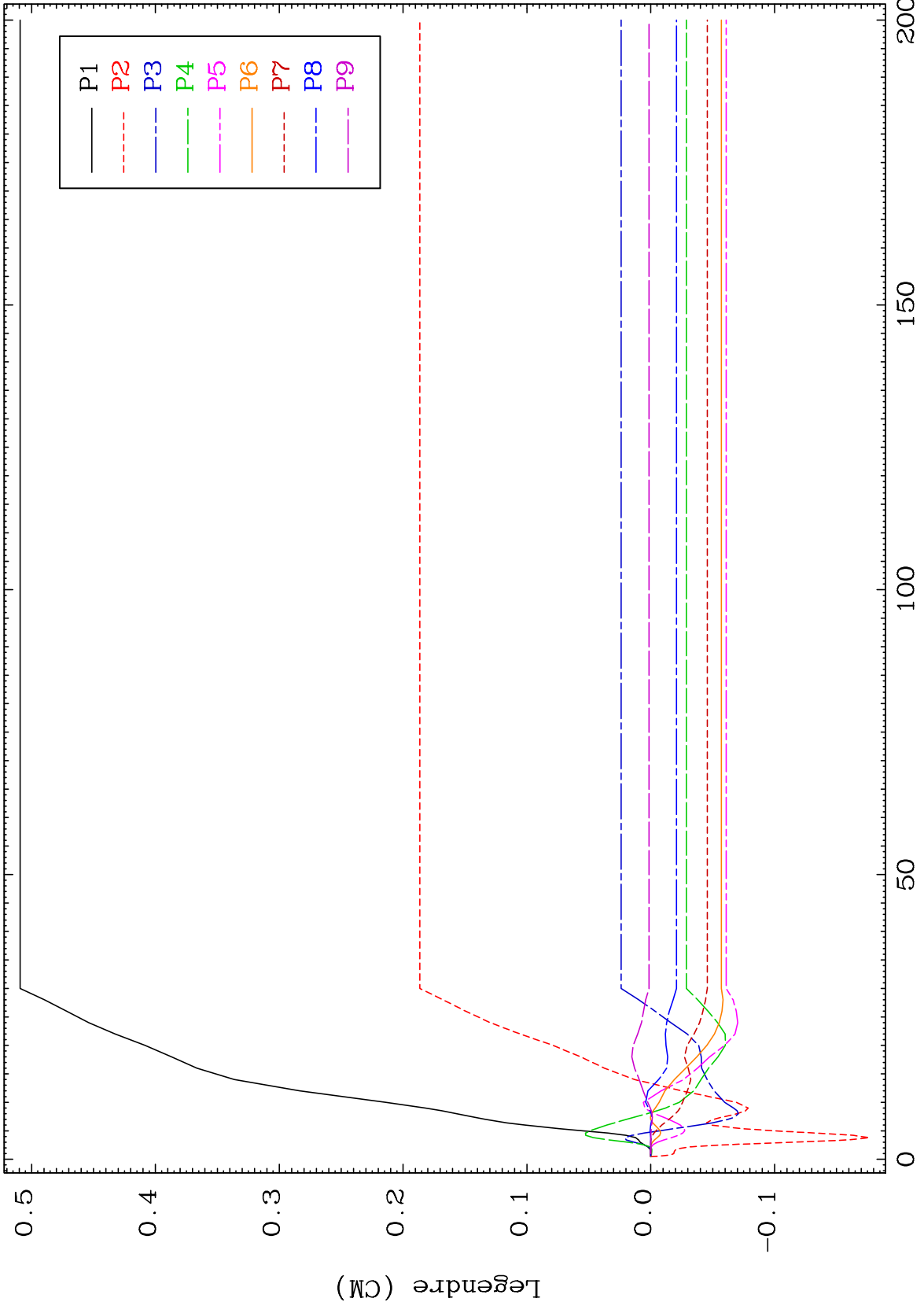
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



73

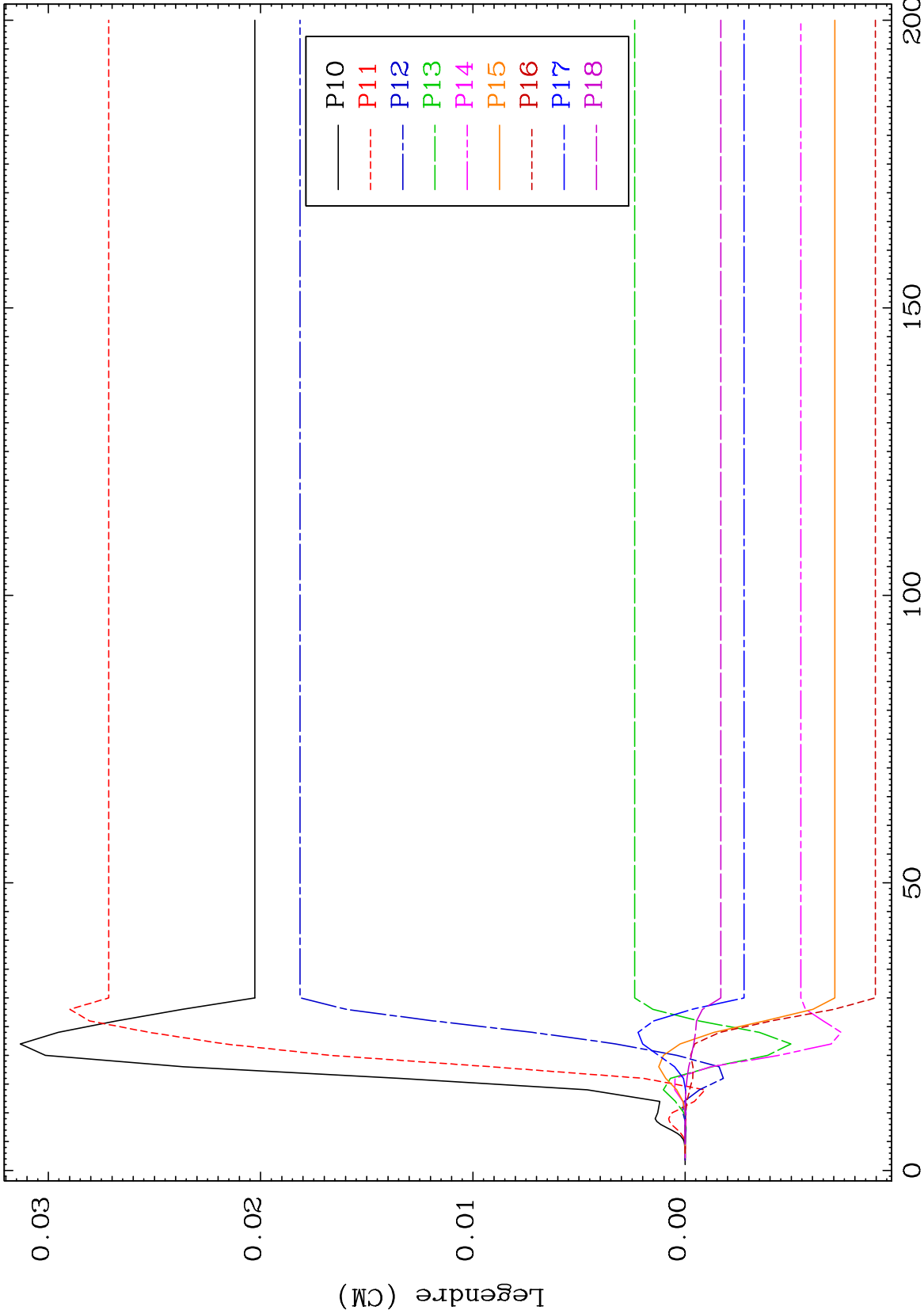
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



74

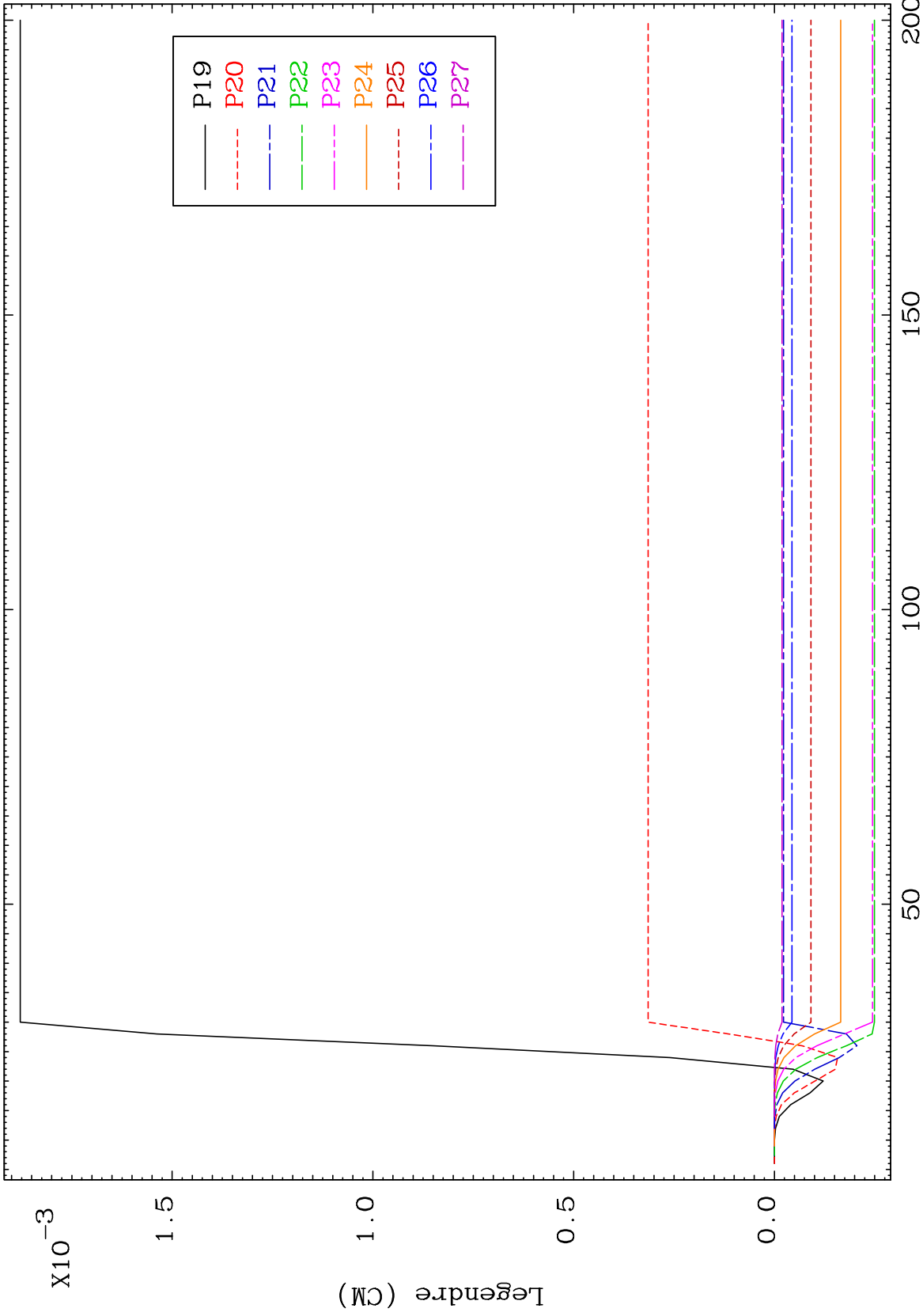
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



75

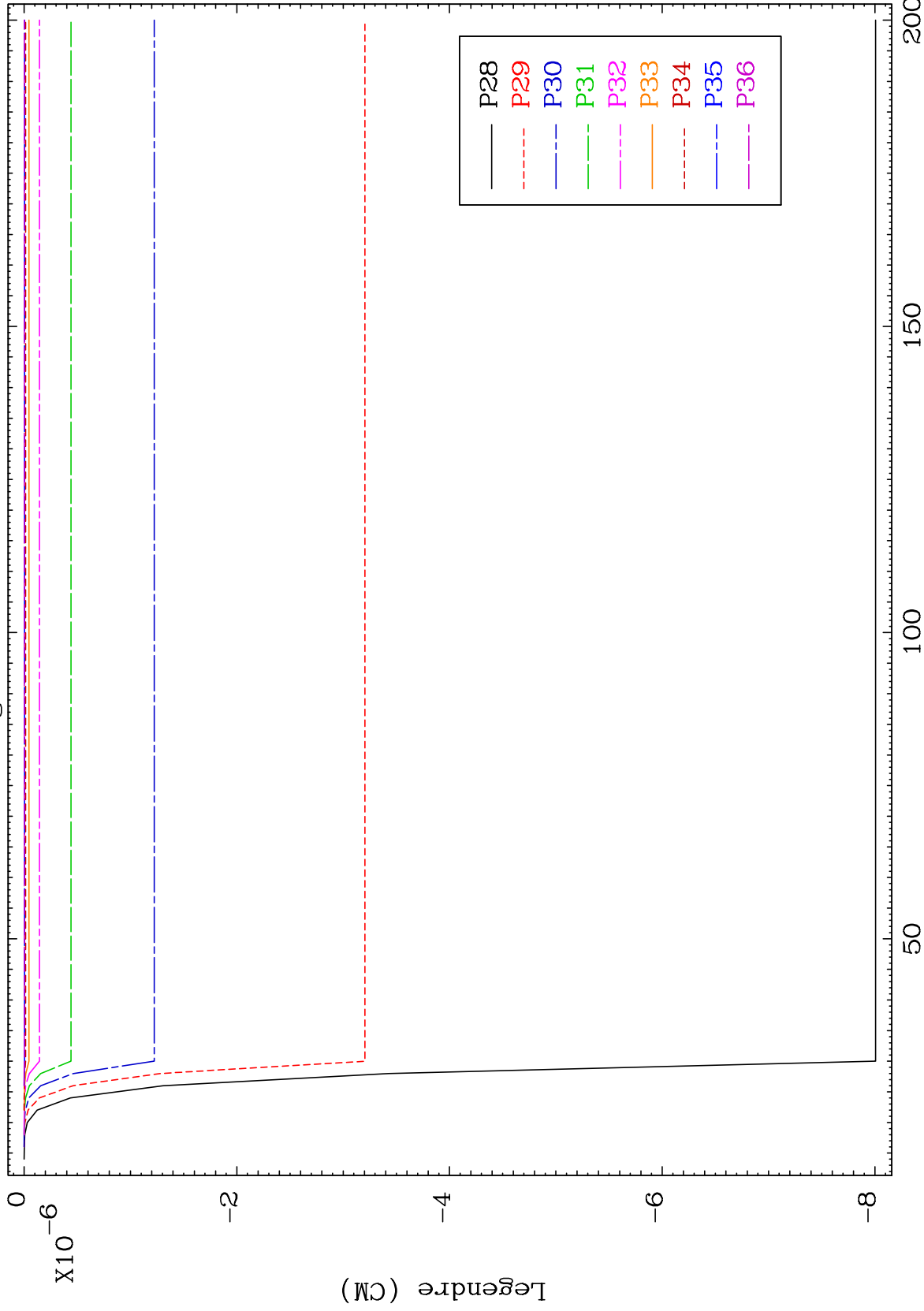
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



71-Lu-176

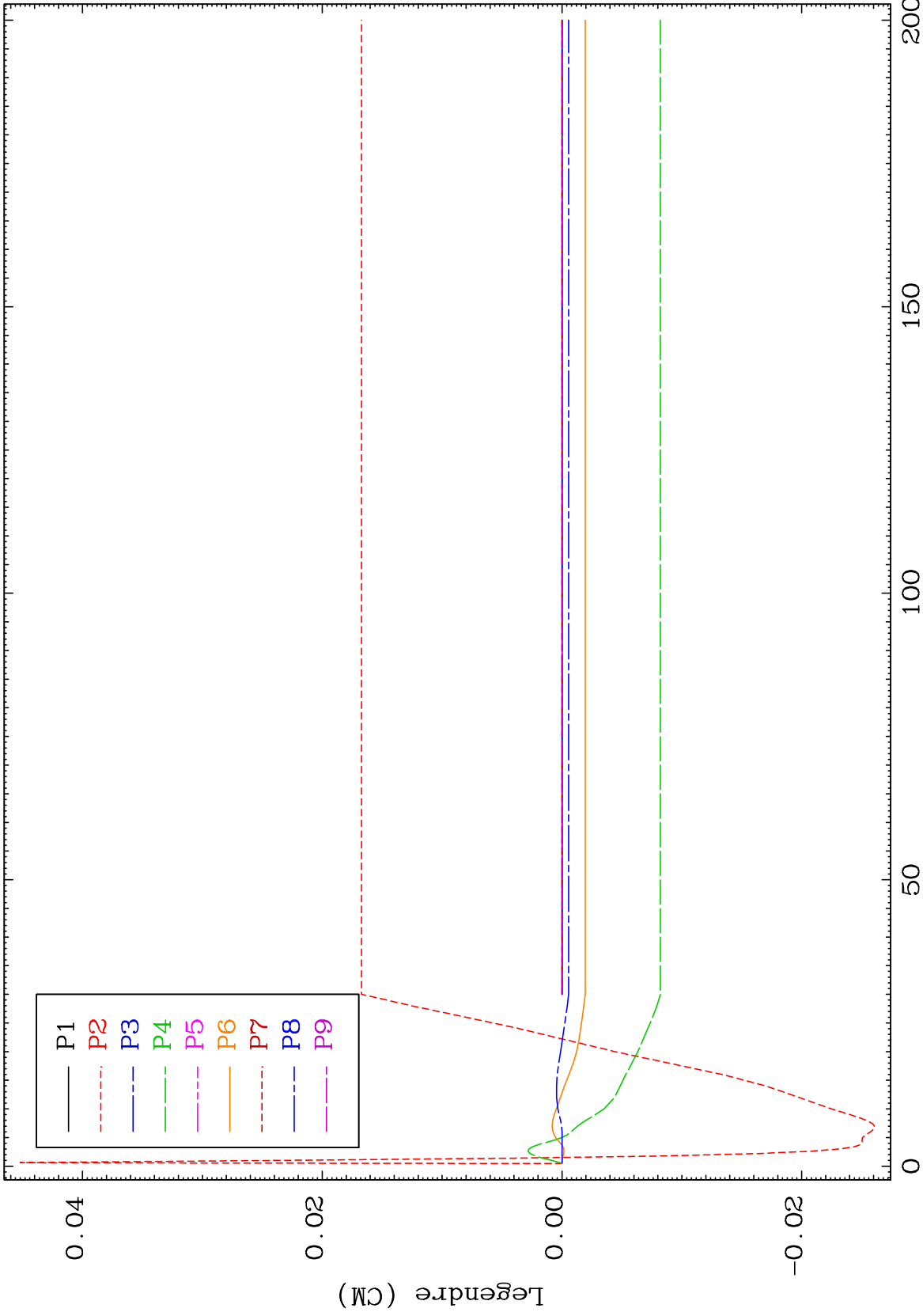
Incident Energy (MeV)

76

MAT 7128

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

71-Lu-176



77

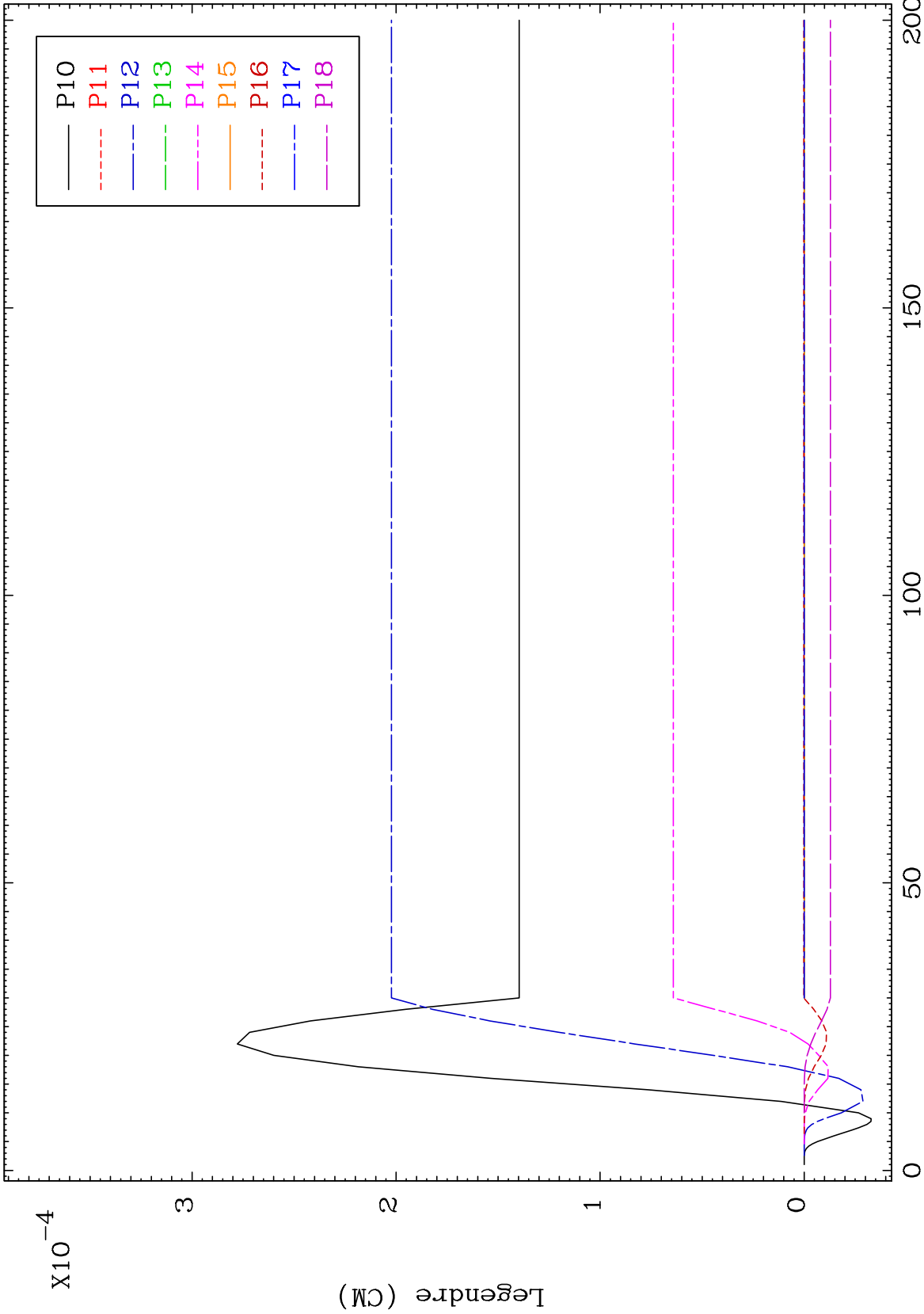
Incident Energy (MeV)

71-Lu-176

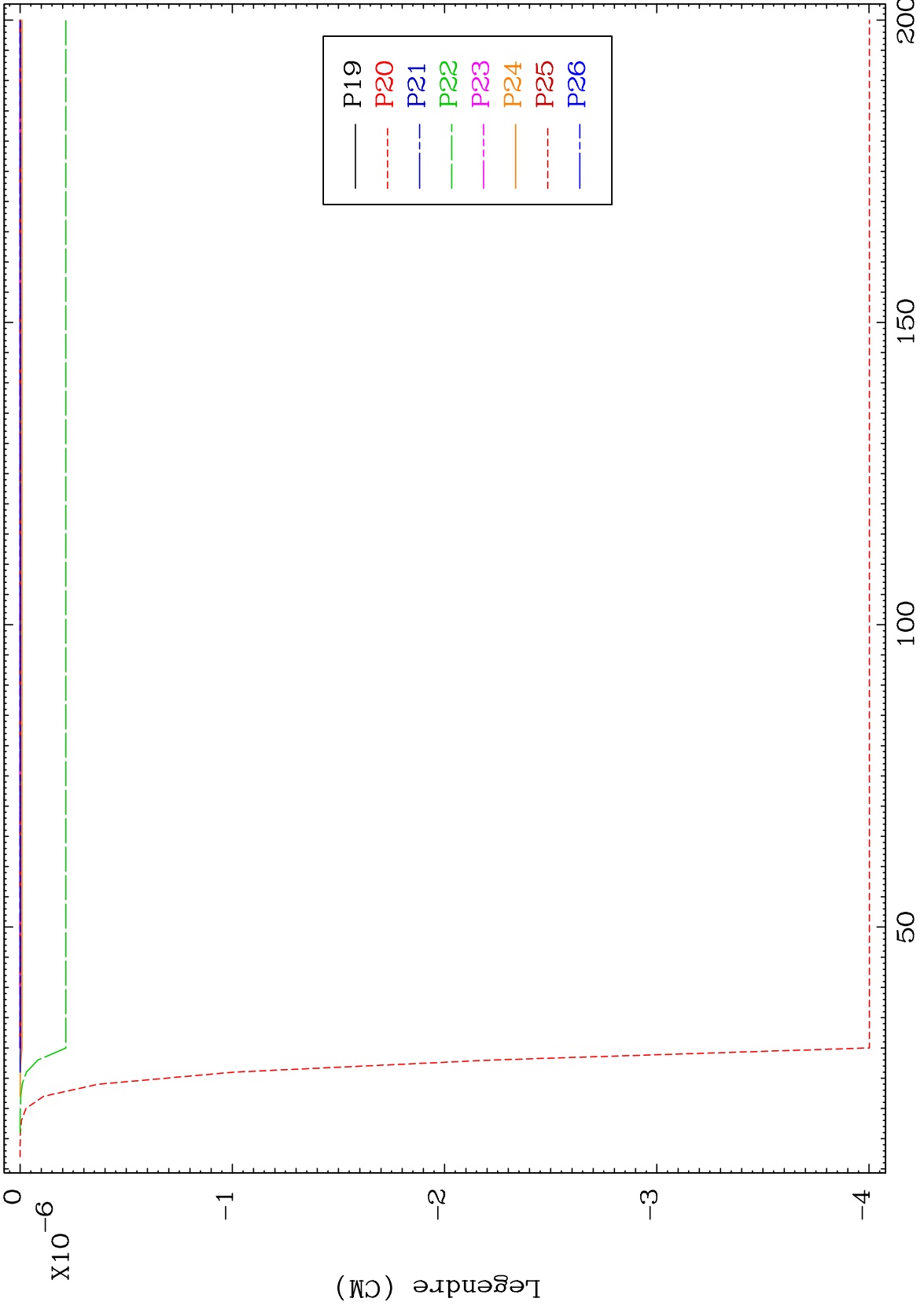
MAT 7128

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

71-Lu-176



MAT 7128 MT= 67 (n,n') Level Legendre Coefficients 71-Lu-176

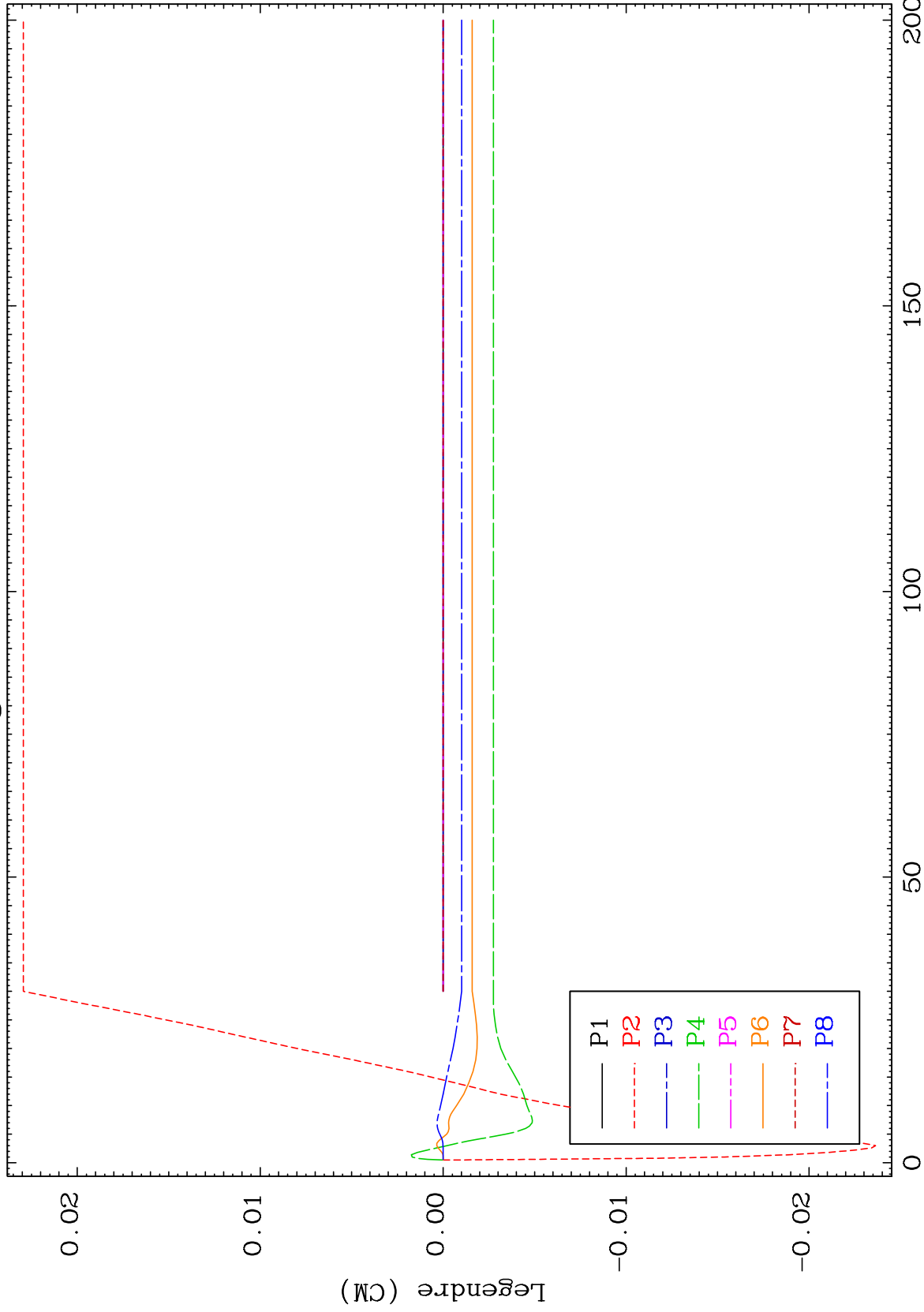


79 71-Lu-176

MAT 7128

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

71-Lu-176



71-Lu-176

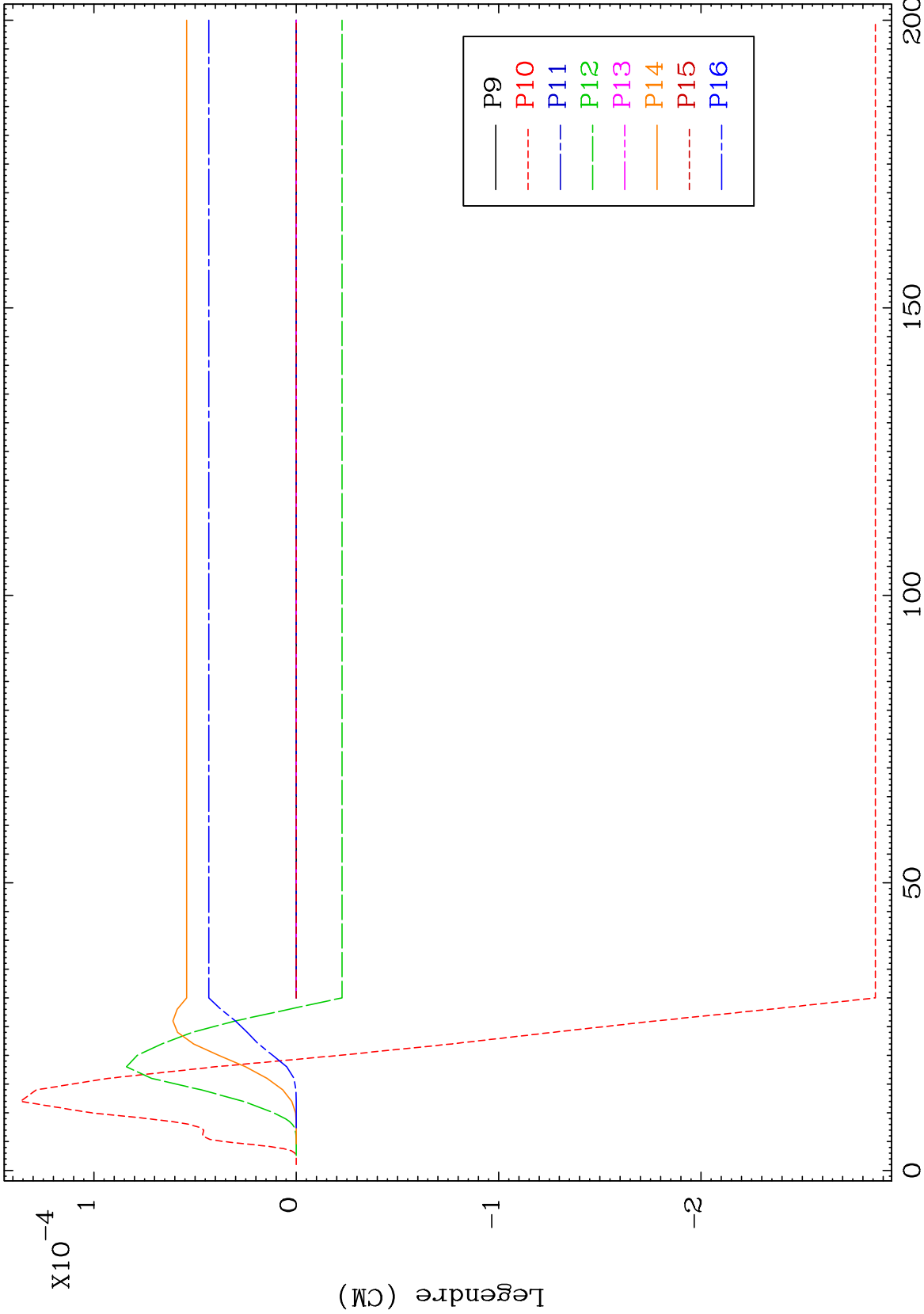
Incident Energy (MeV)

80

MAT 7128

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

71-Lu-176



81

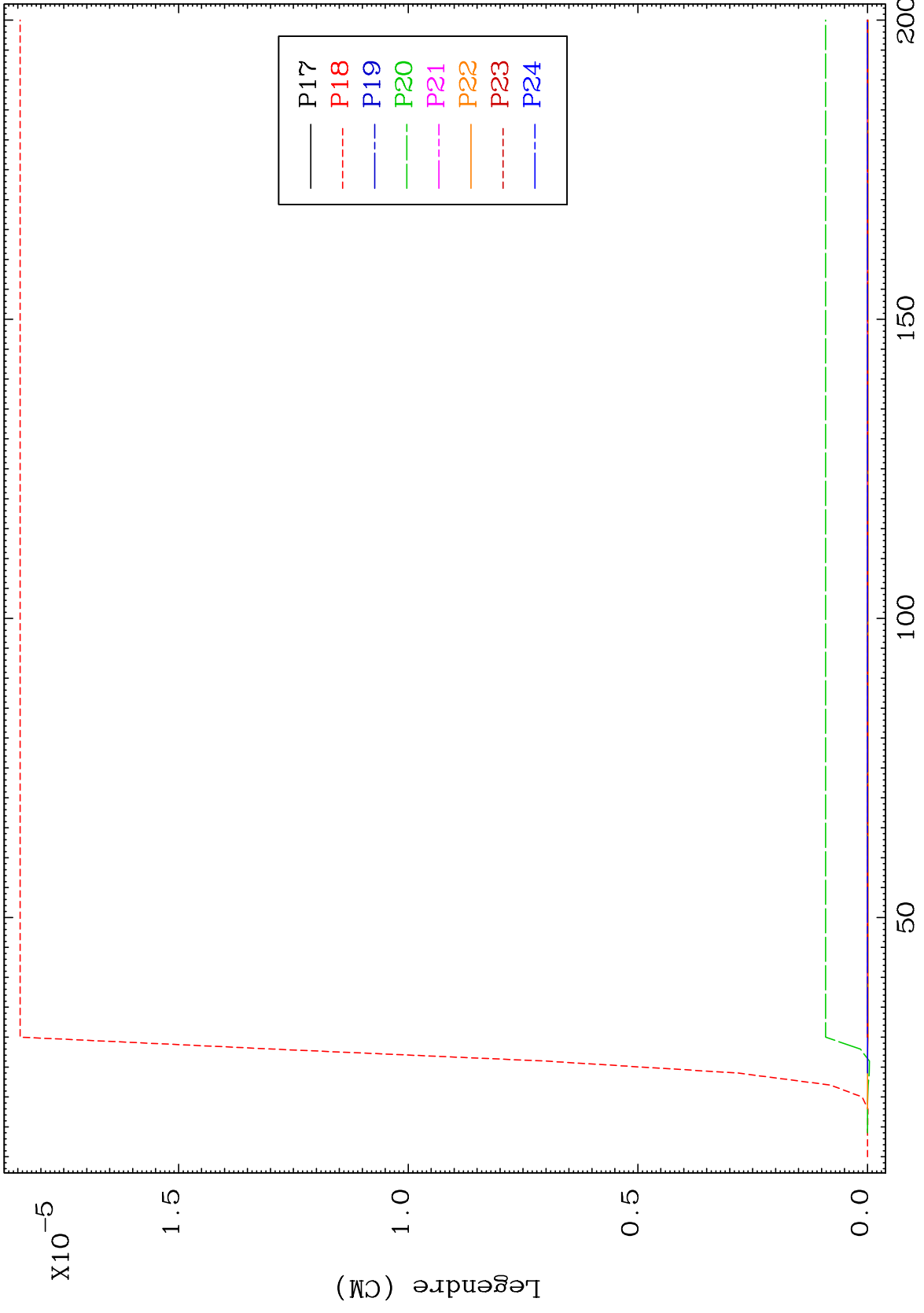
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



82

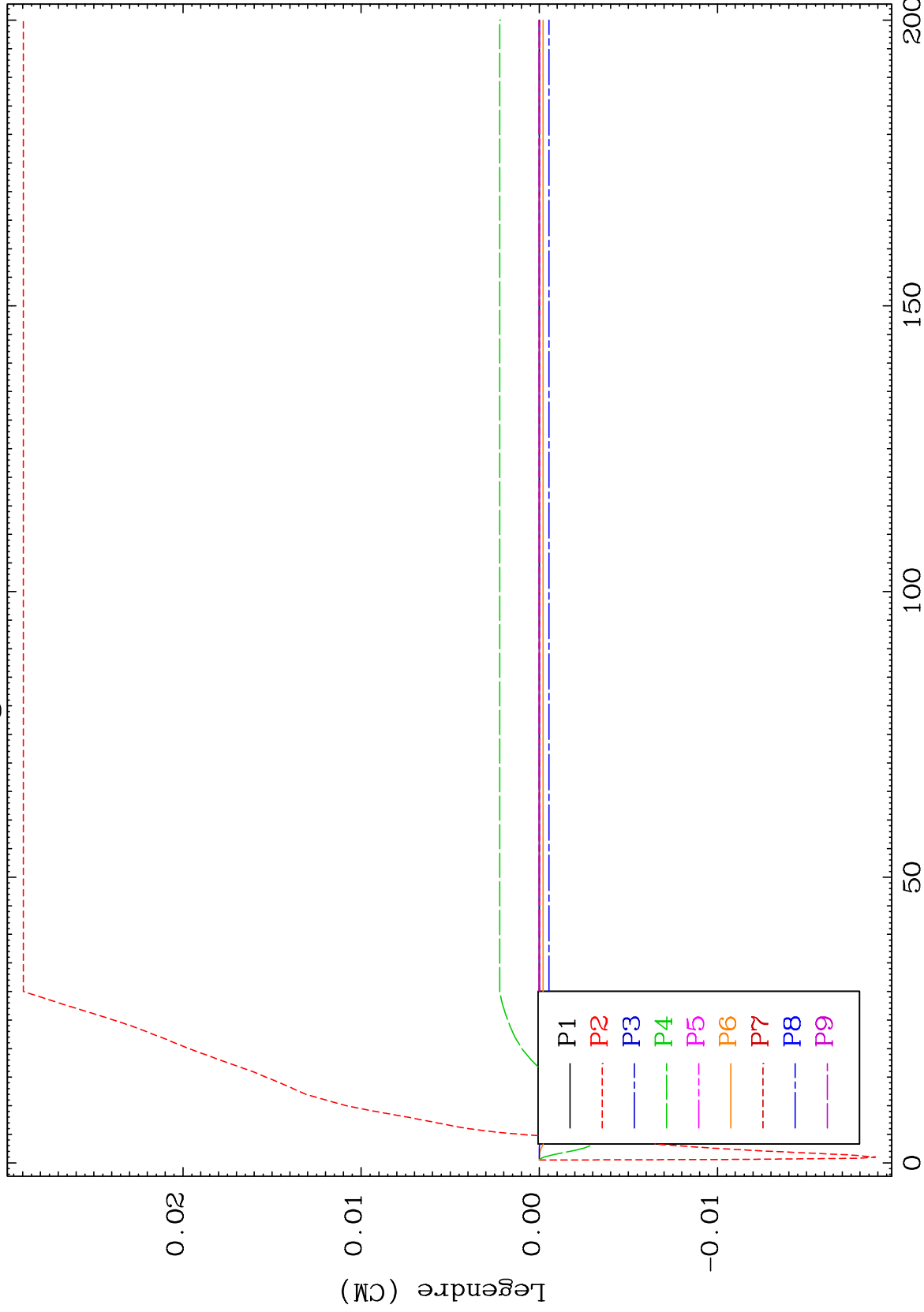
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



83

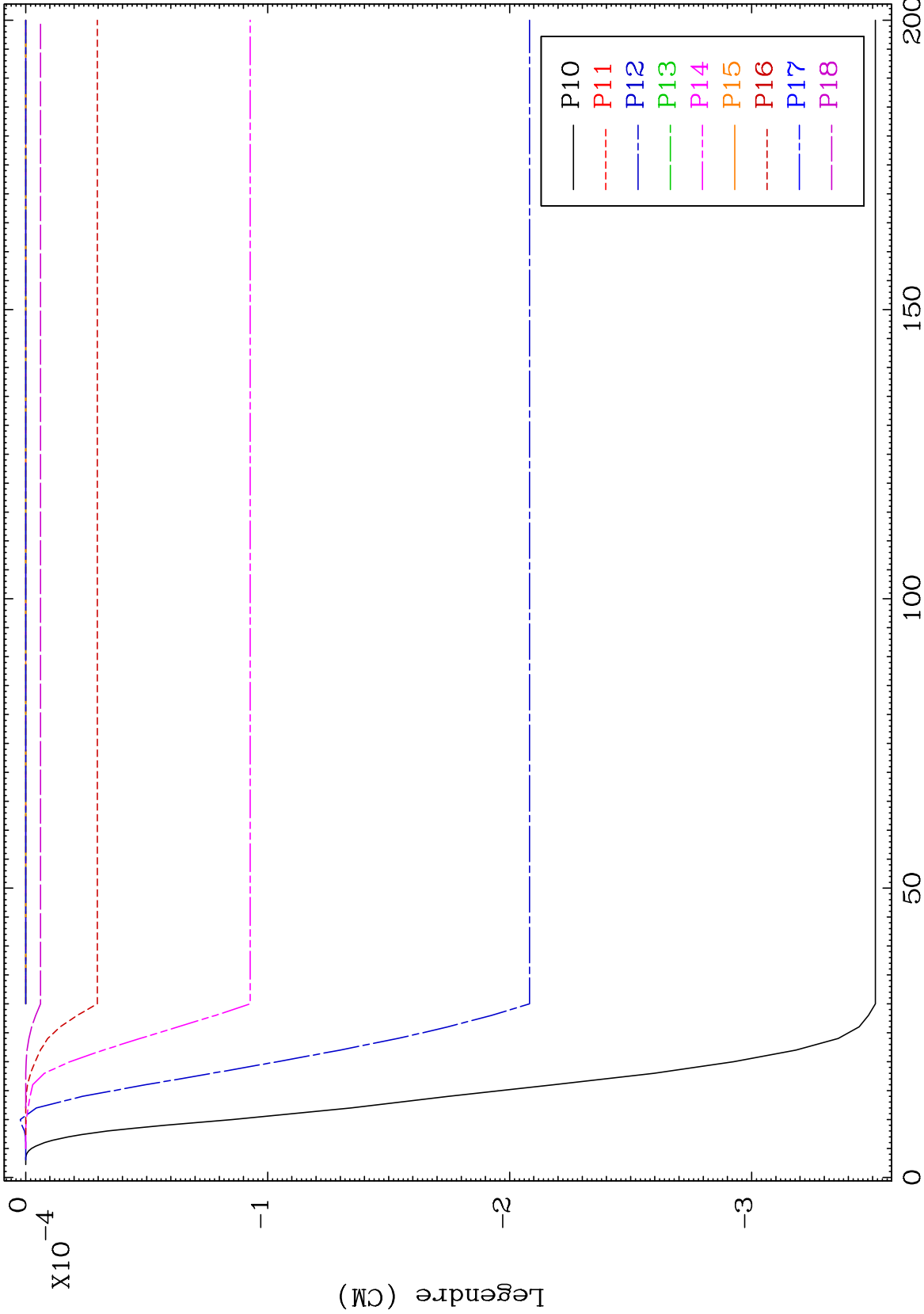
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



71-Lu-176

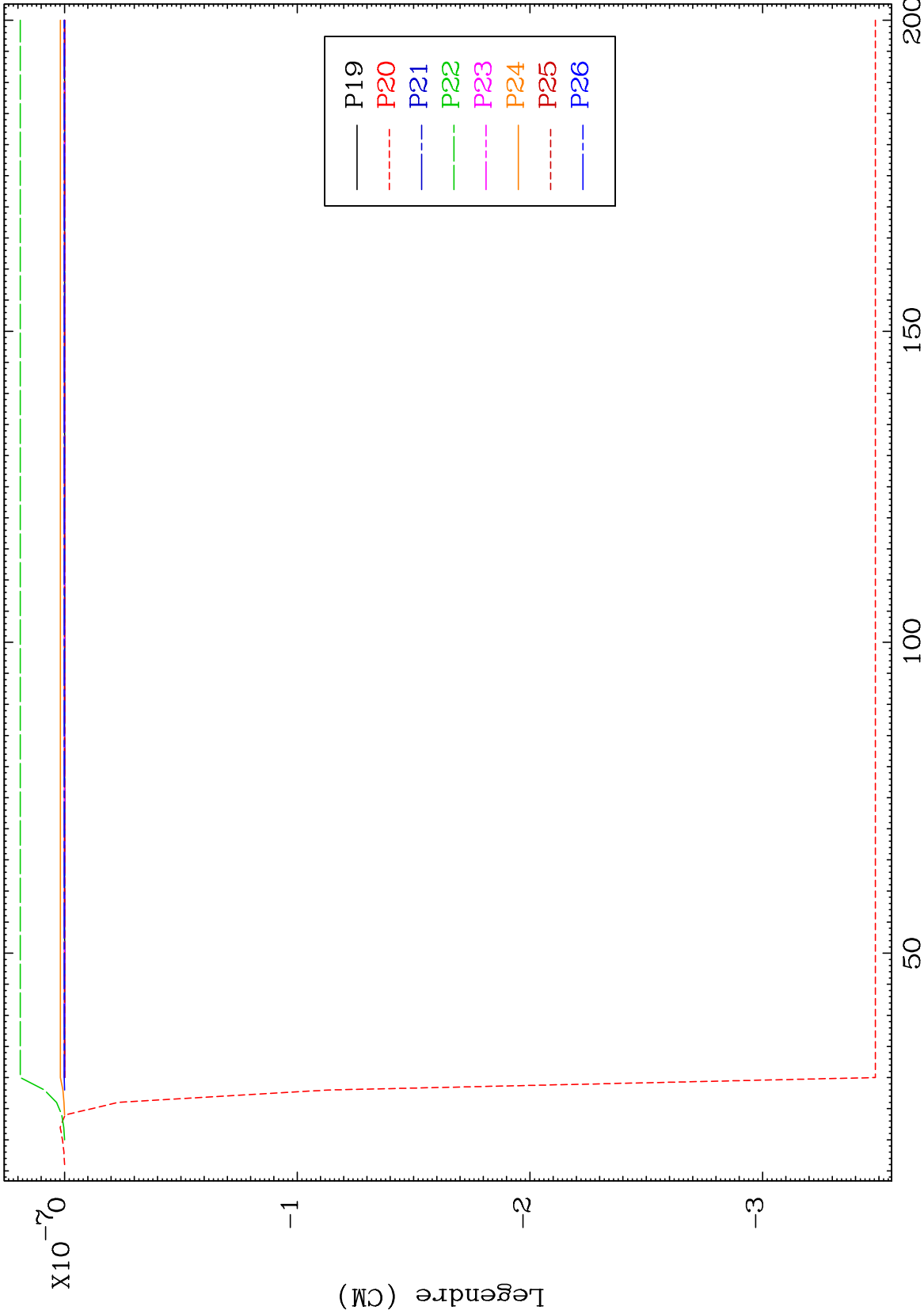
Incident Energy (MeV)

84

MAT 7128

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

71-Lu-176



85

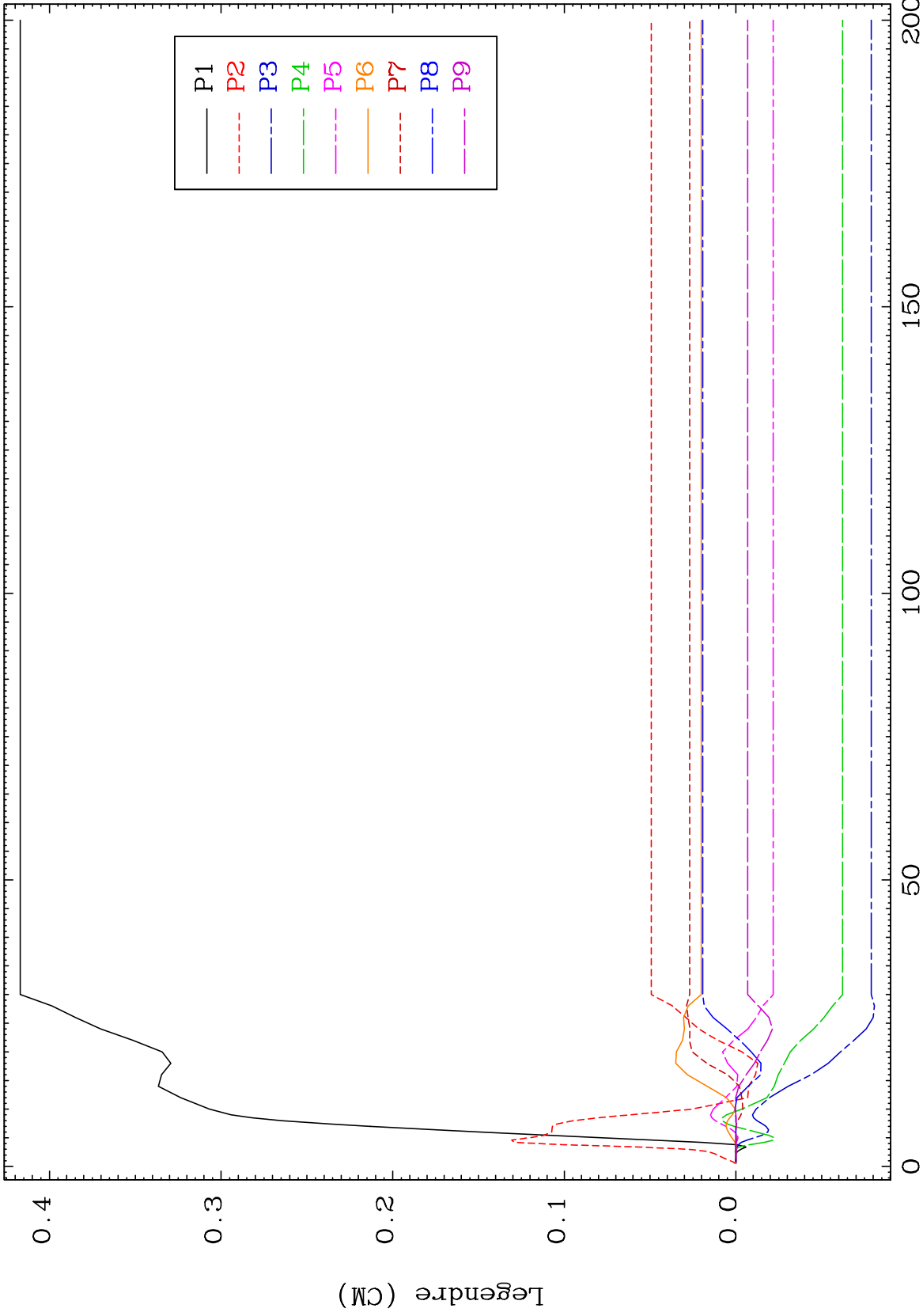
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



86

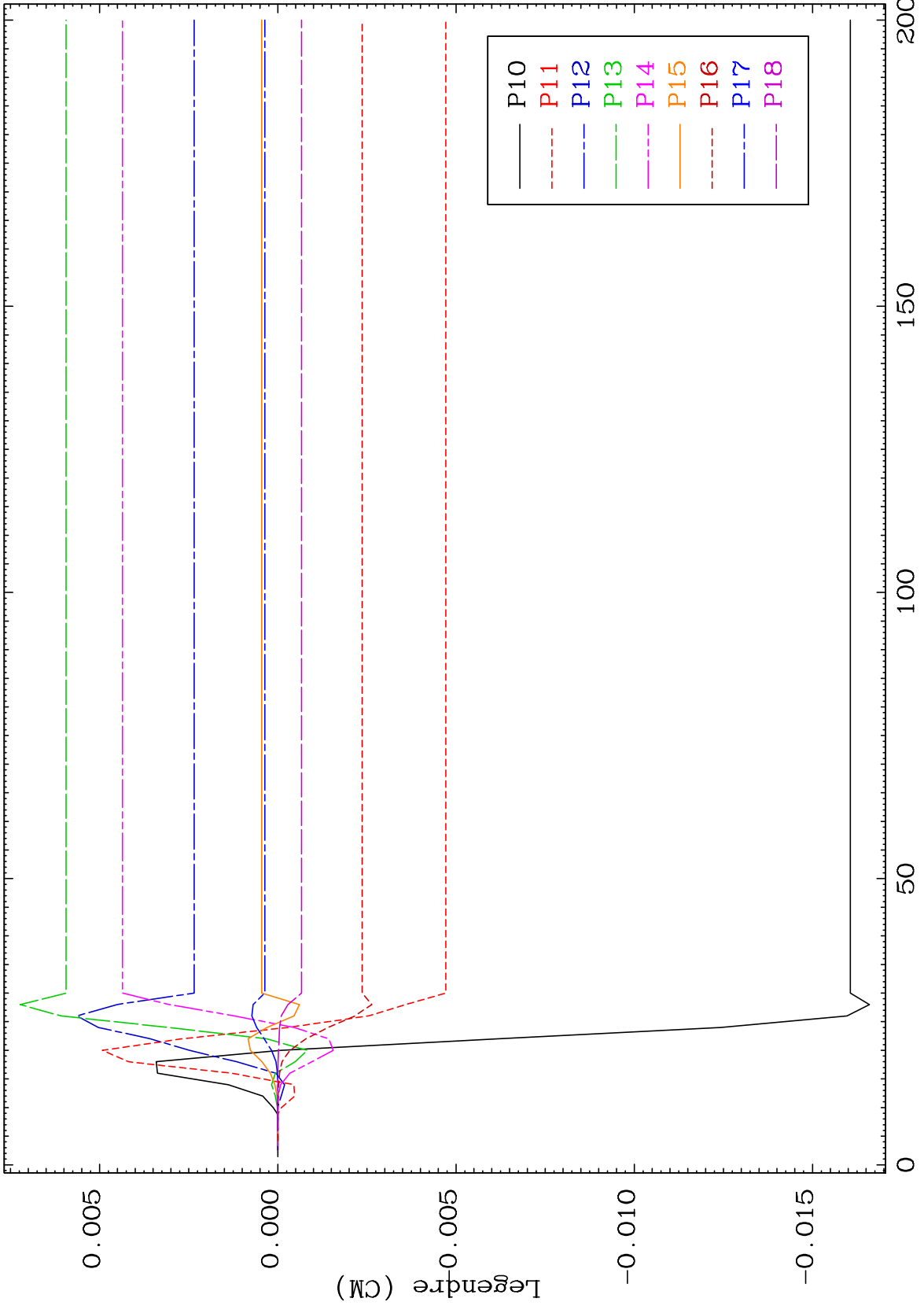
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



87

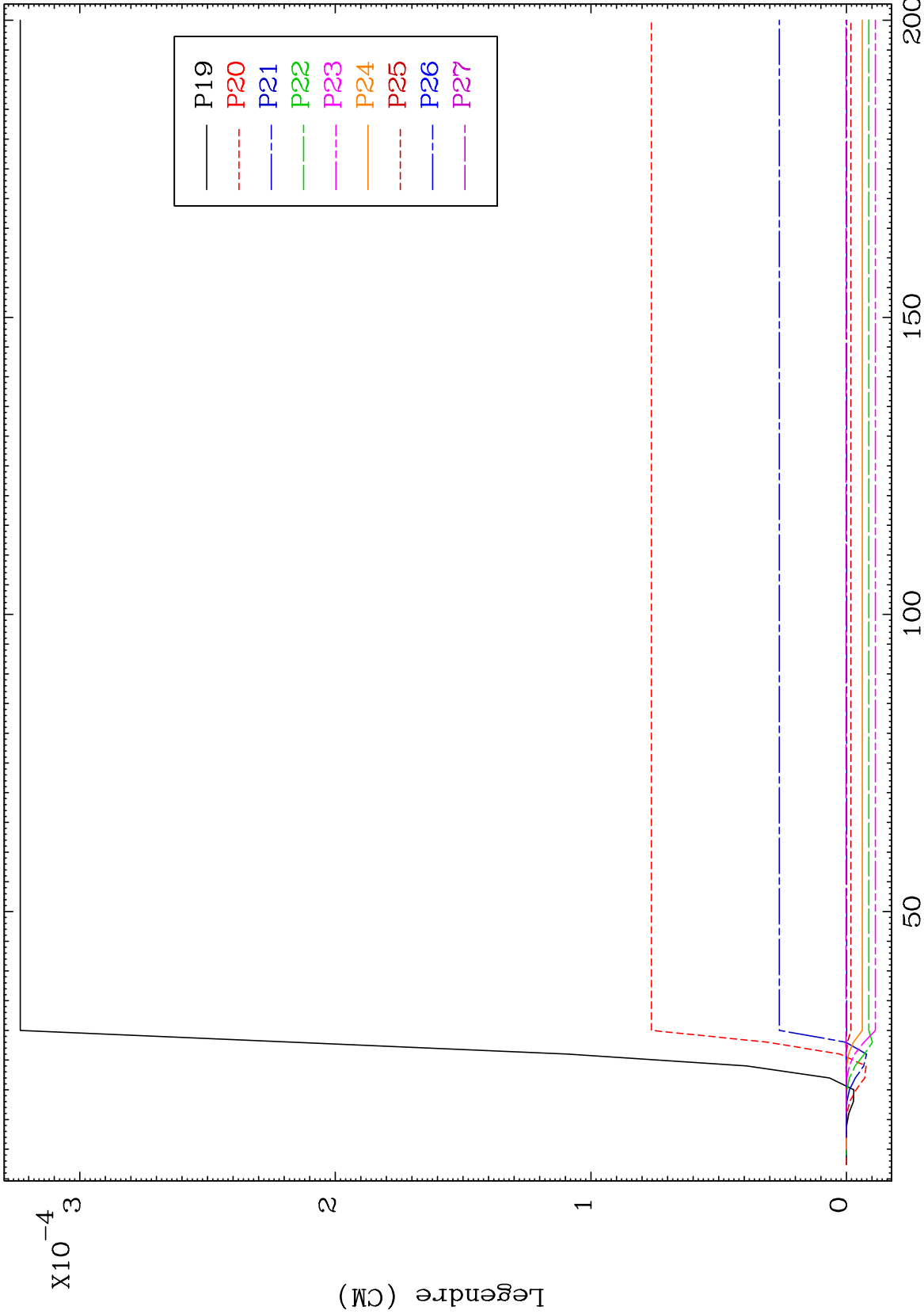
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

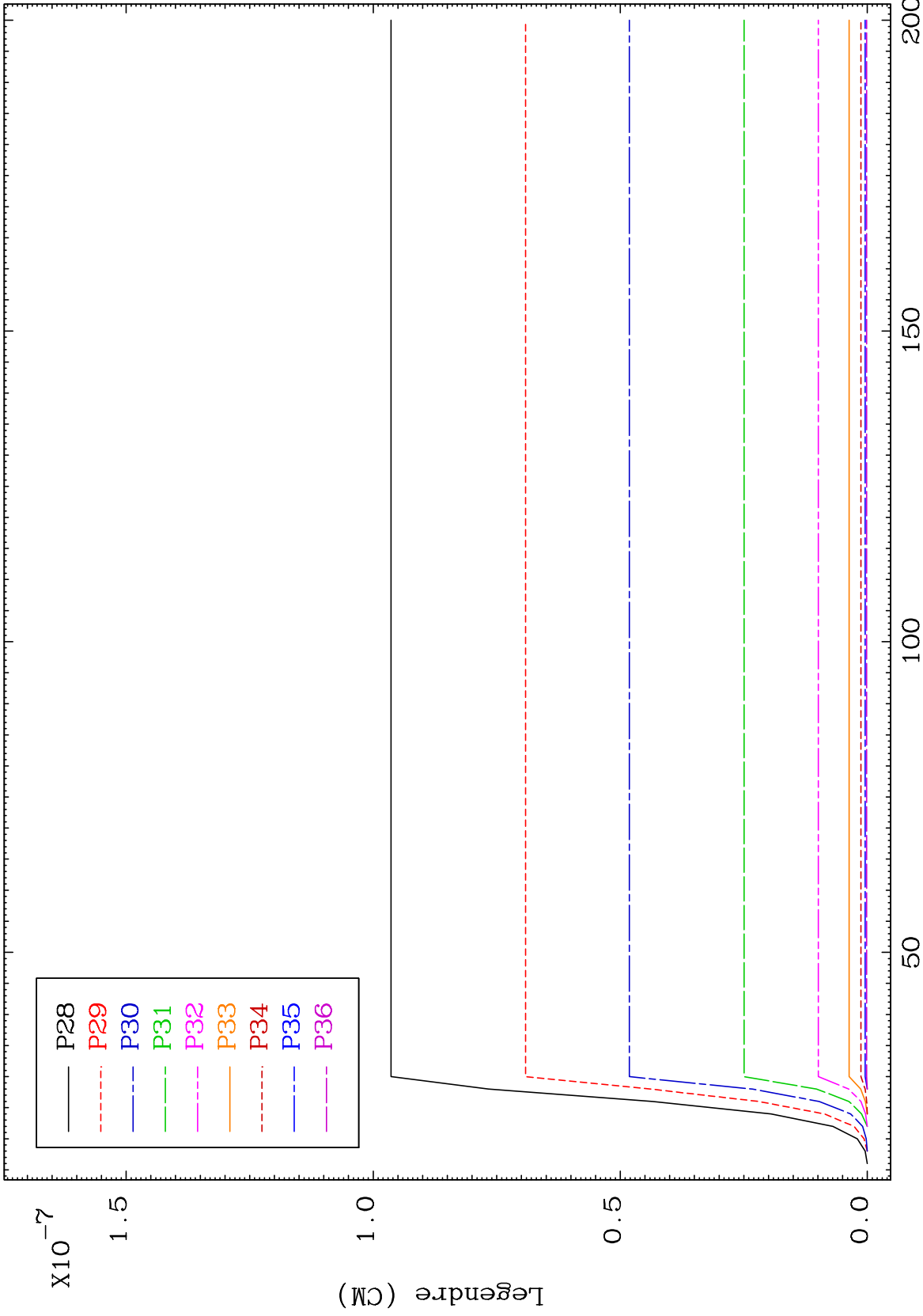
71-Lu-176



88

Incident Energy (MeV)

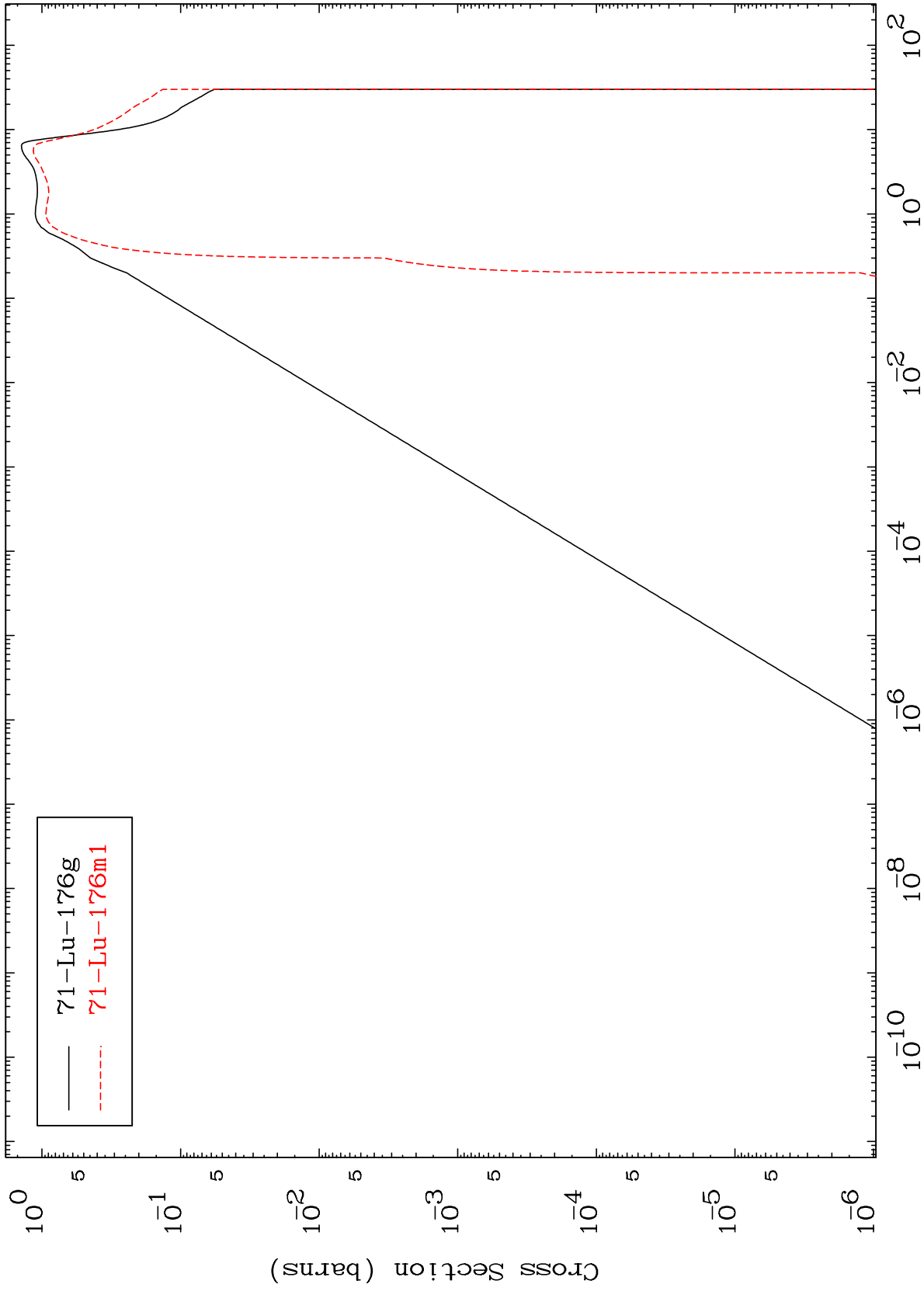
71-Lu-176



MAT 7128

Inelastic
Radionuclide Production Cross Section

⁷¹Lu-176



71-Lu-176g
71-Lu-176m1

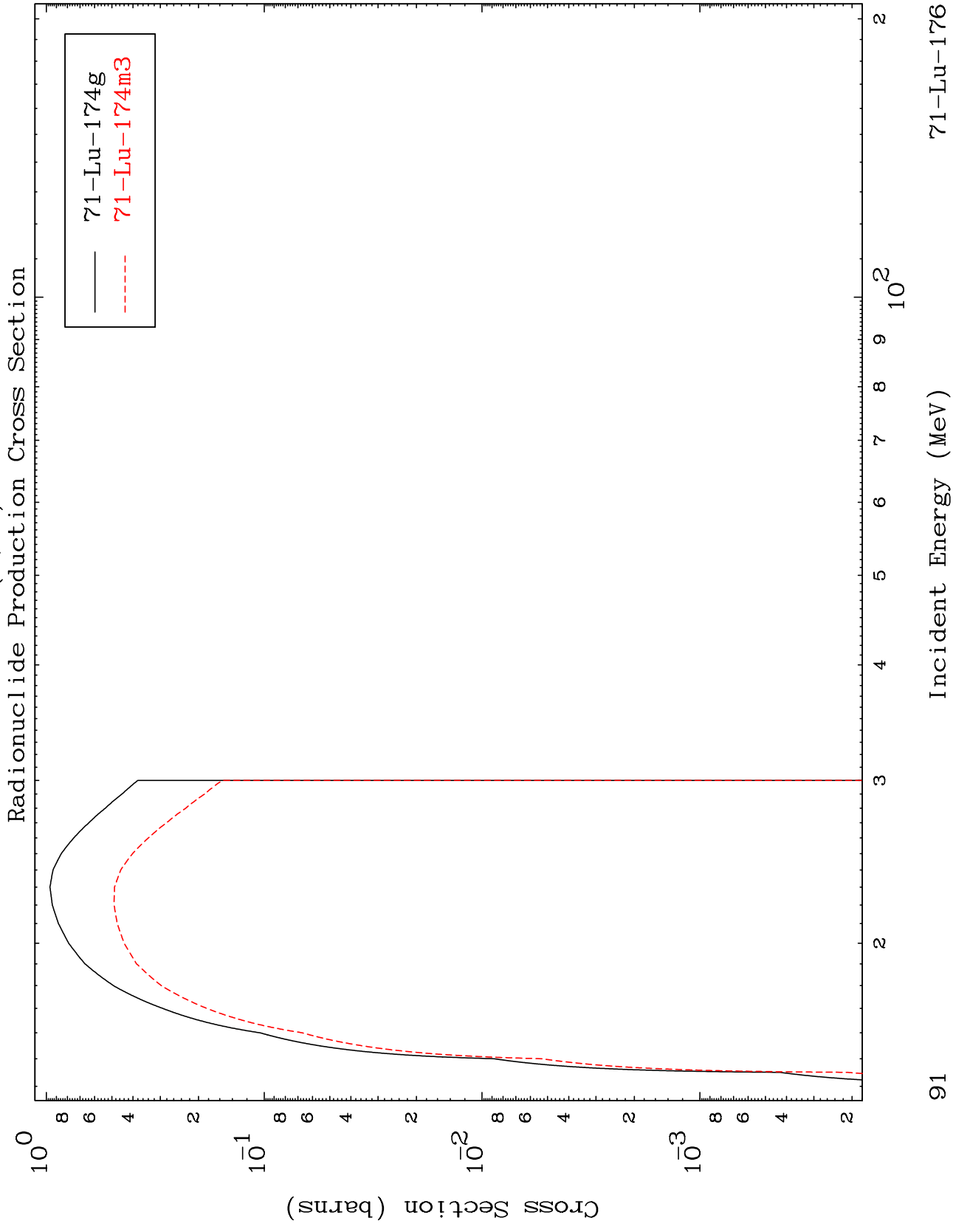
90

⁷¹Lu-176

MAT 7128

(n,3n)

⁷¹Lu-176

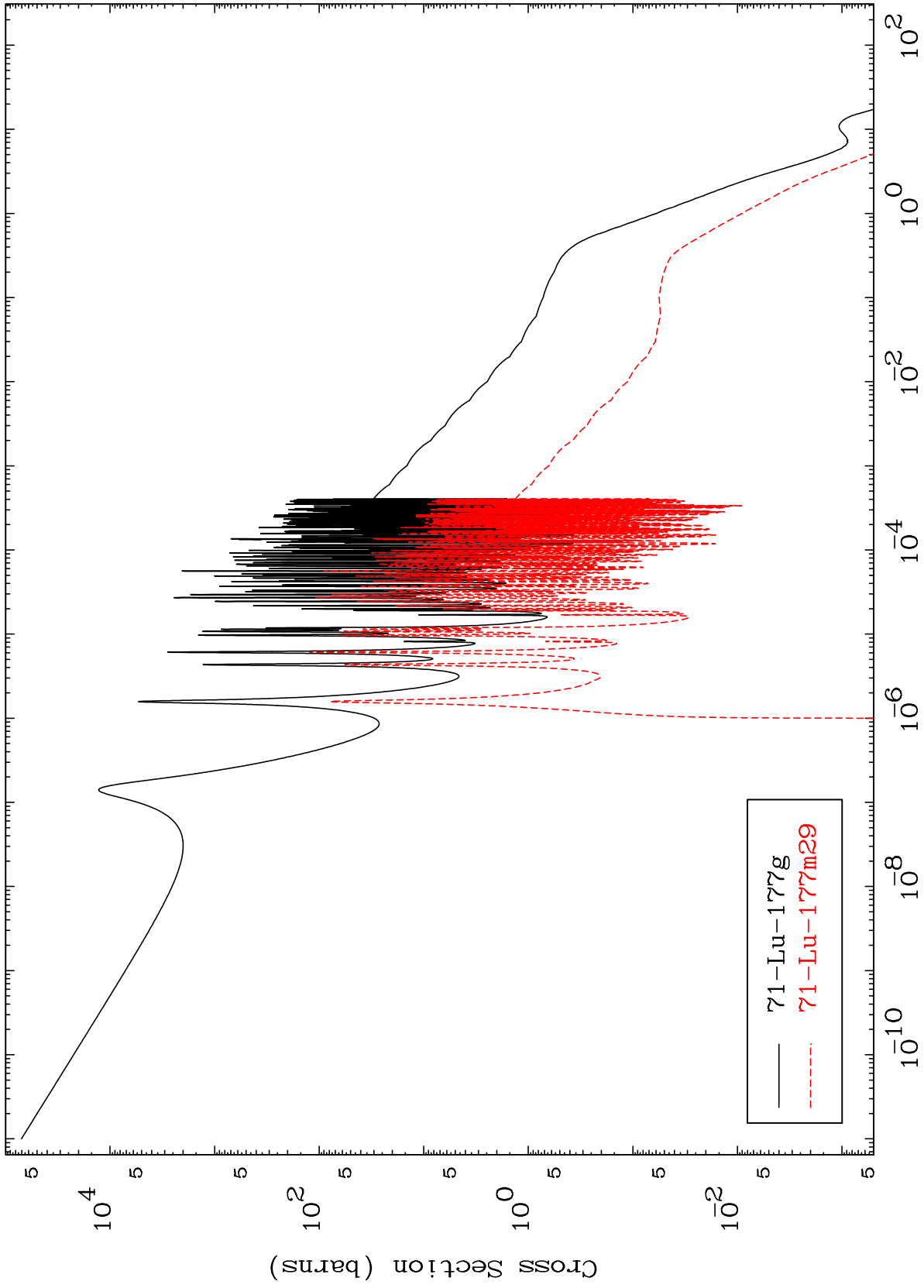


91

MAT 7128

71-Lu-176

(n, γ)
Radionuclide Production Cross Section



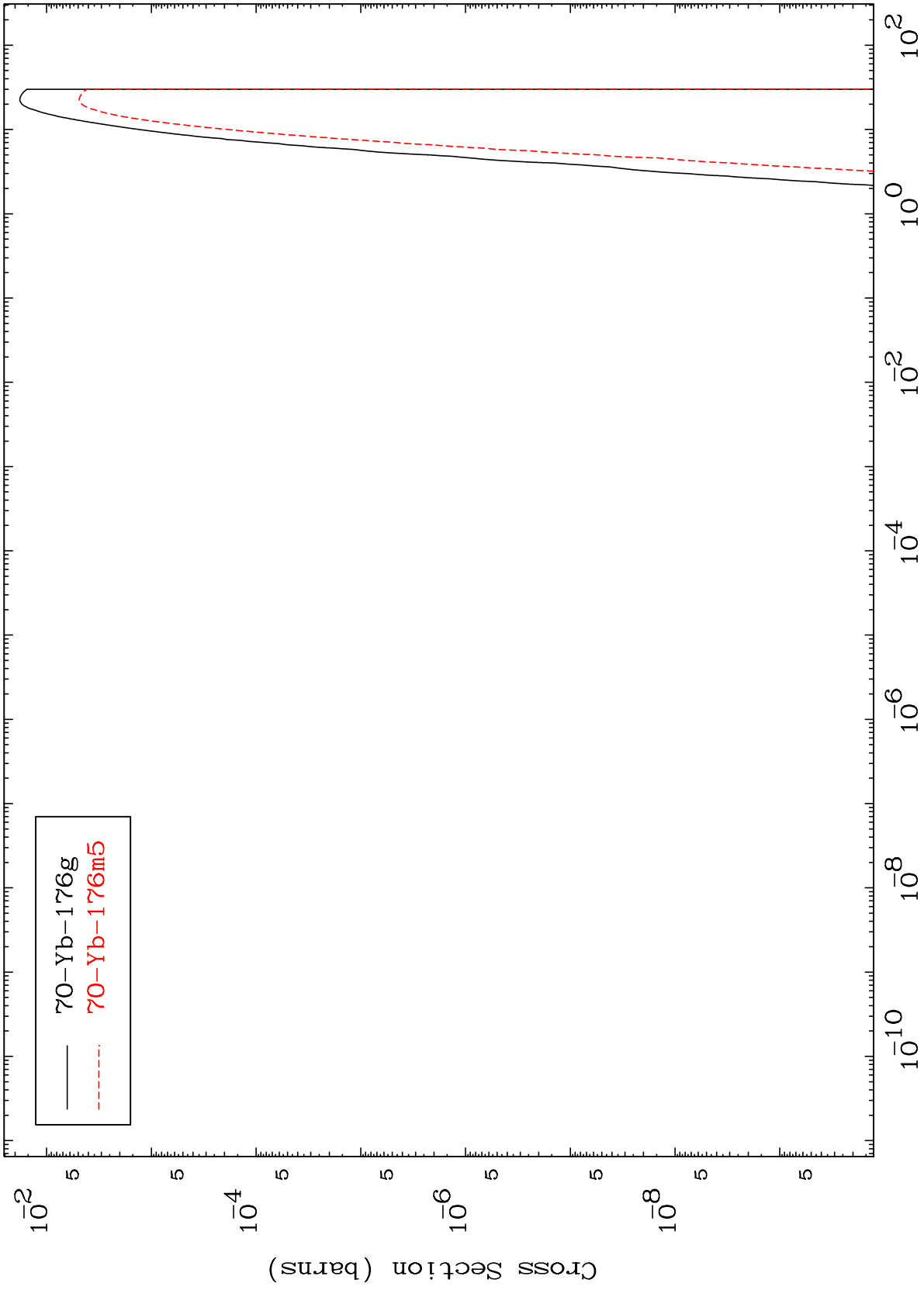
92

71-Lu-176

MAT 7128

(n,p)
Radionuclide Production Cross Section

⁷¹Lu-176



93

Incident Energy (MeV)

⁷¹Lu-176