

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

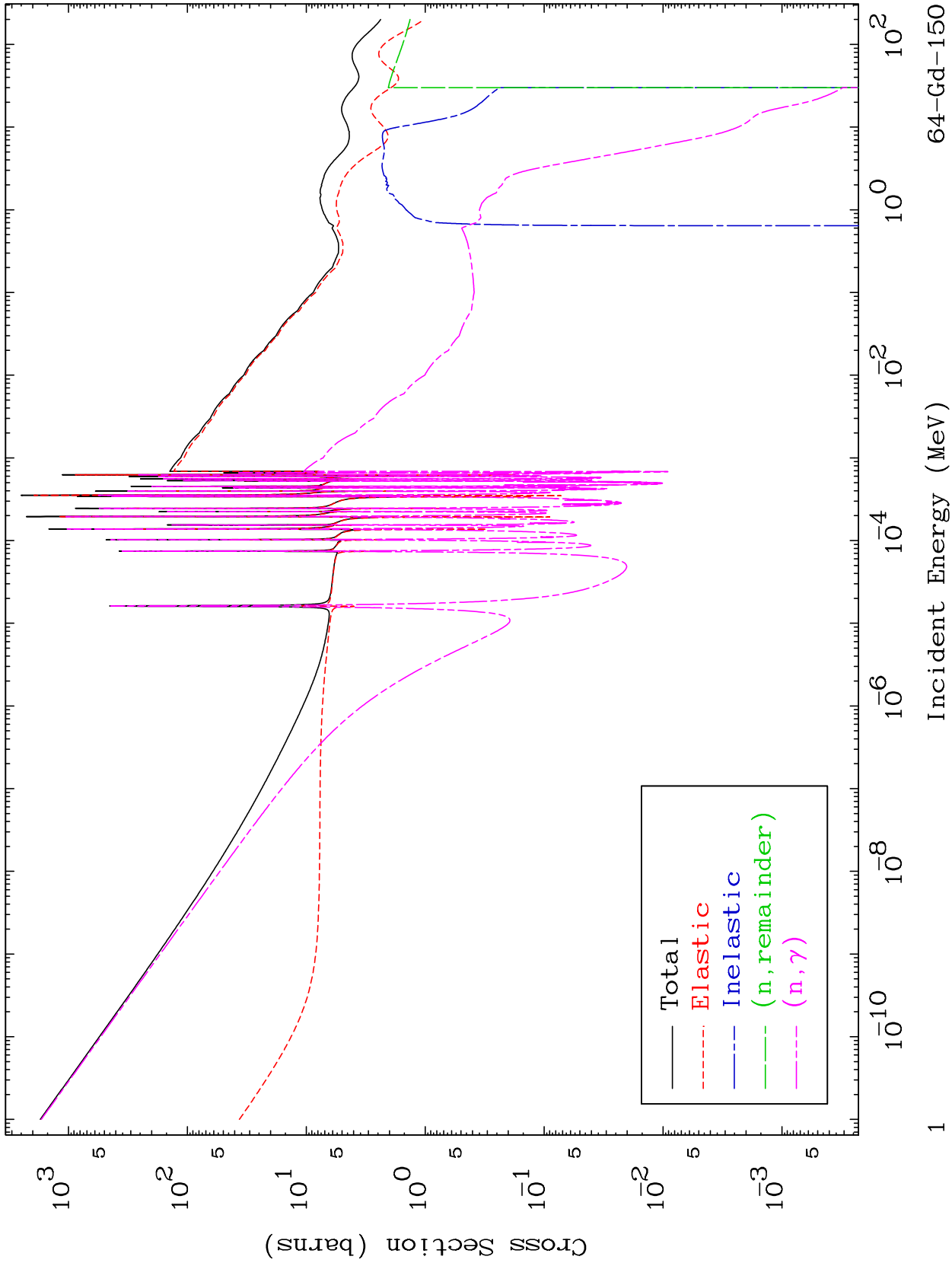
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6419

Major
293 Kelvin Cross Sections

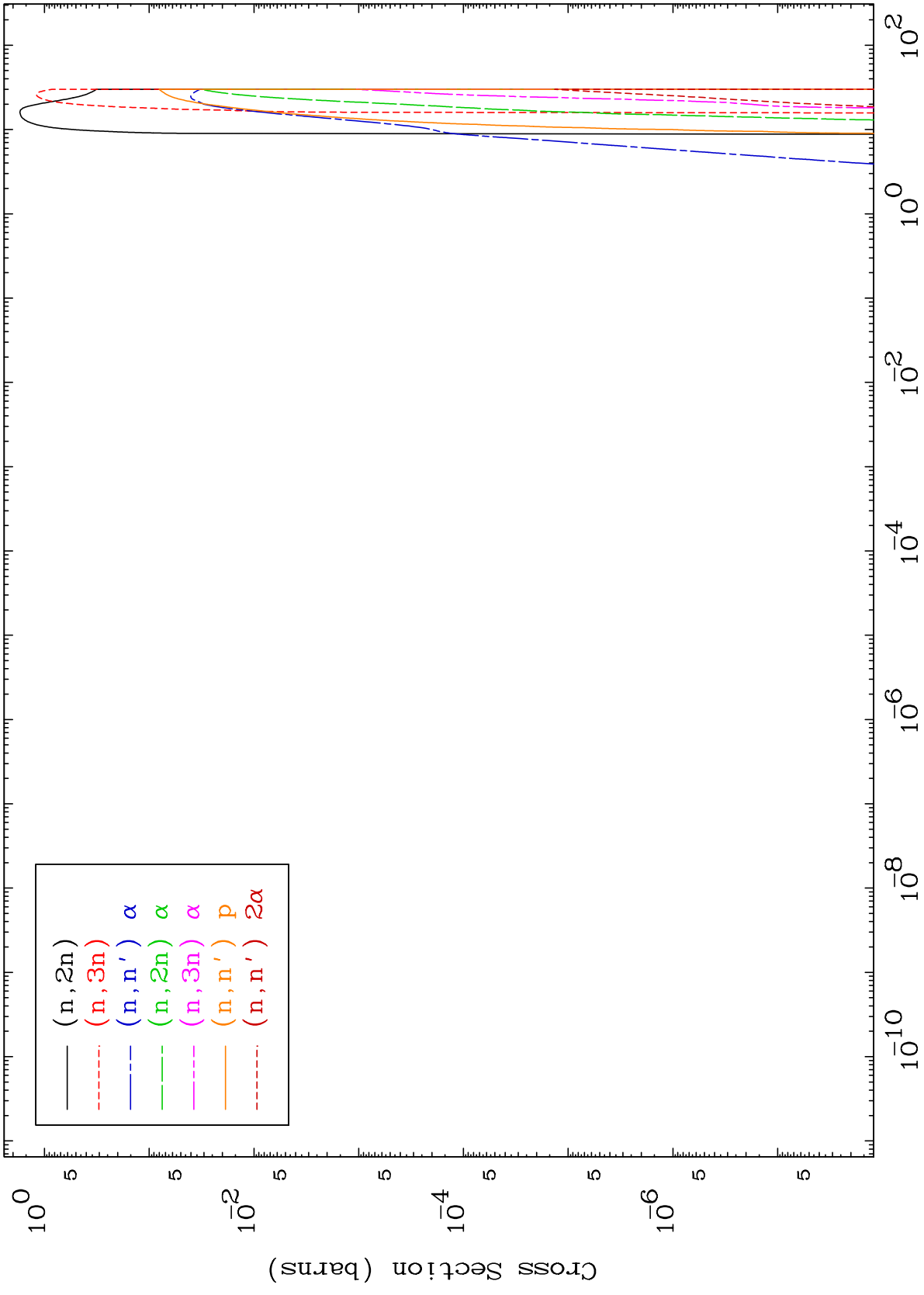
64-Gd-150



MAT 6419

Neutron Production
293 Kelvin Cross Sections

64-Gd-150

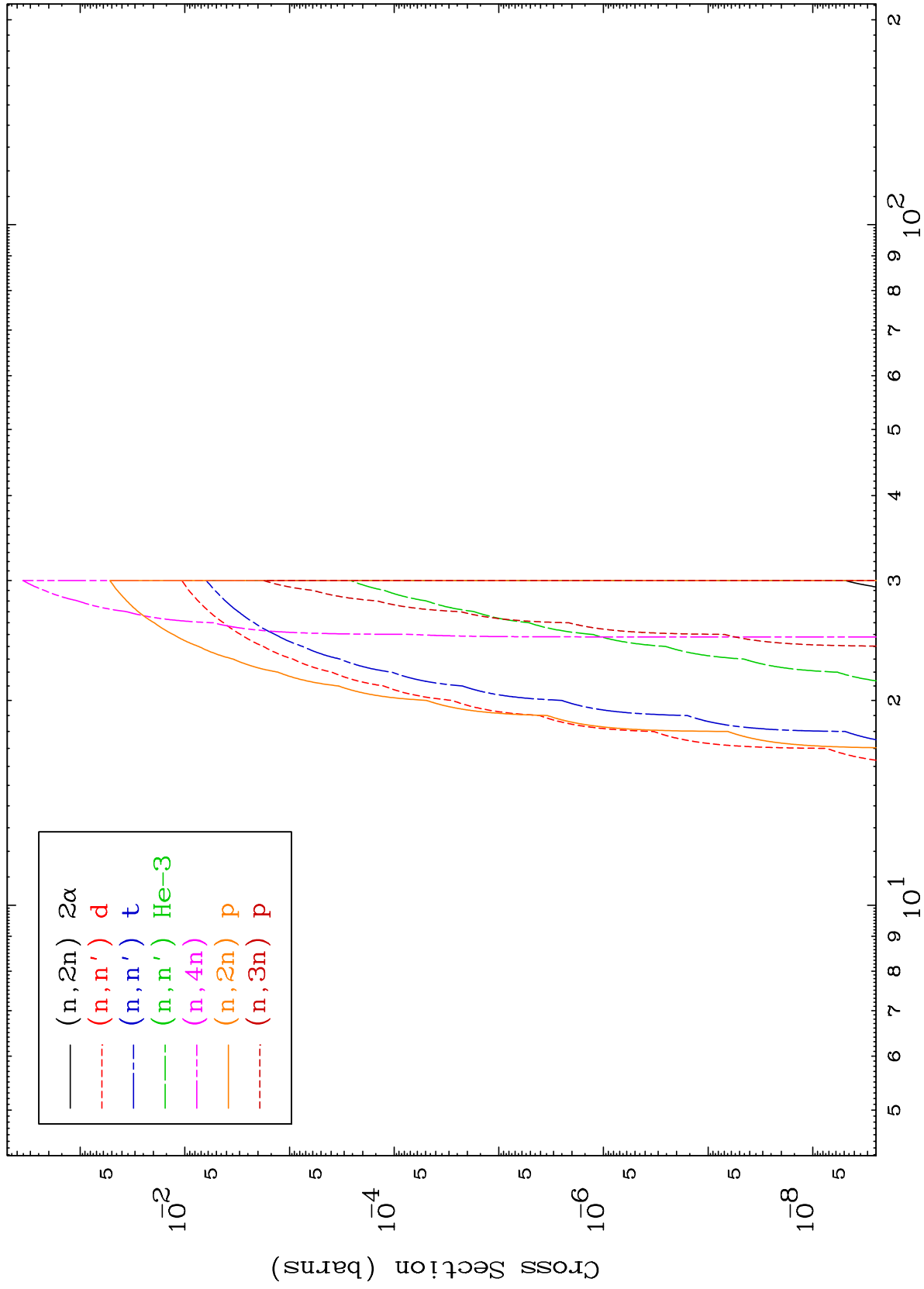


64-Gd-150

MAT 6419

Neutron Production
293 Kelvin Cross Sections

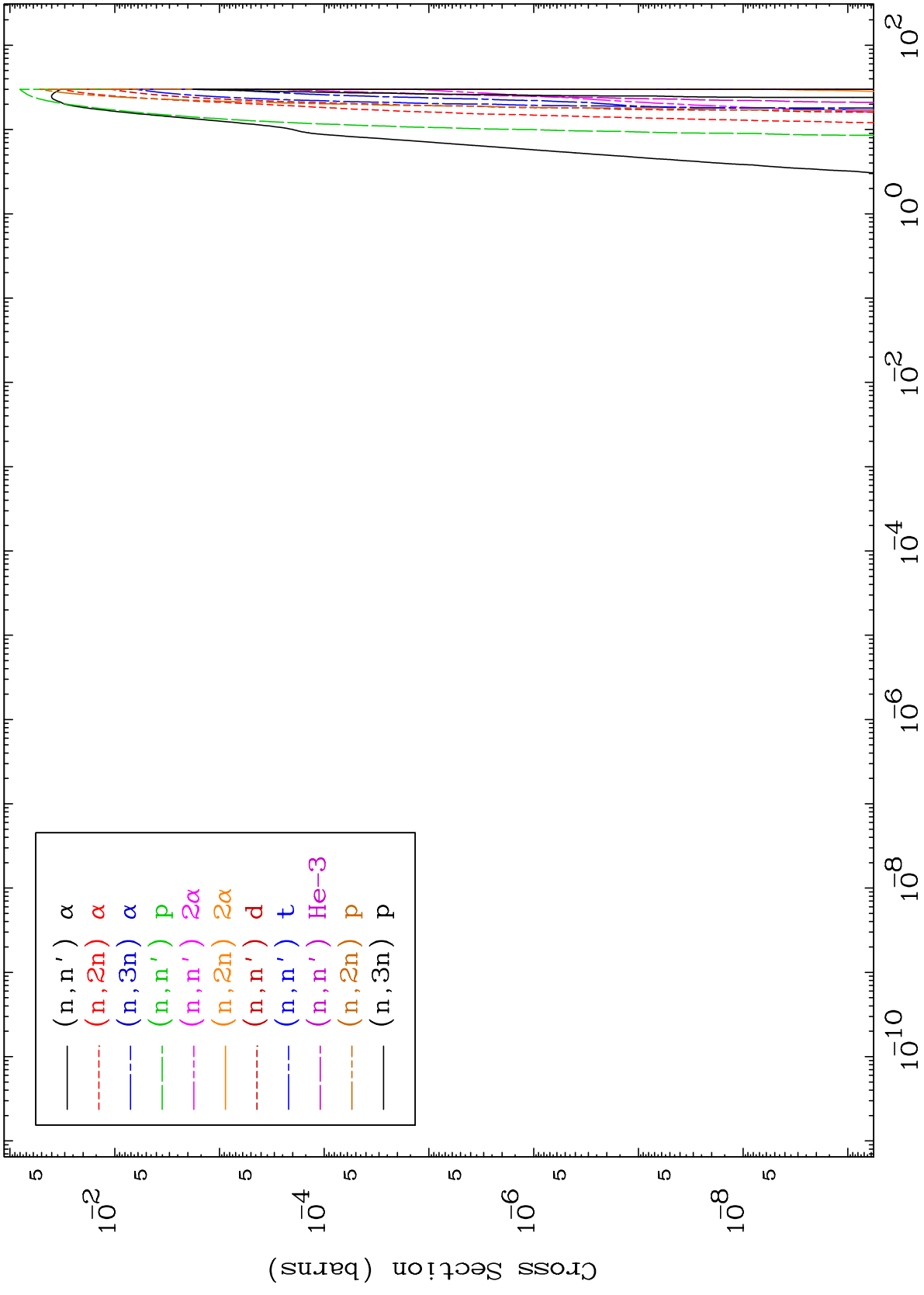
64-Gd-150



MAT 6419

293 Kelvin Cross Sections

64-Gd-150

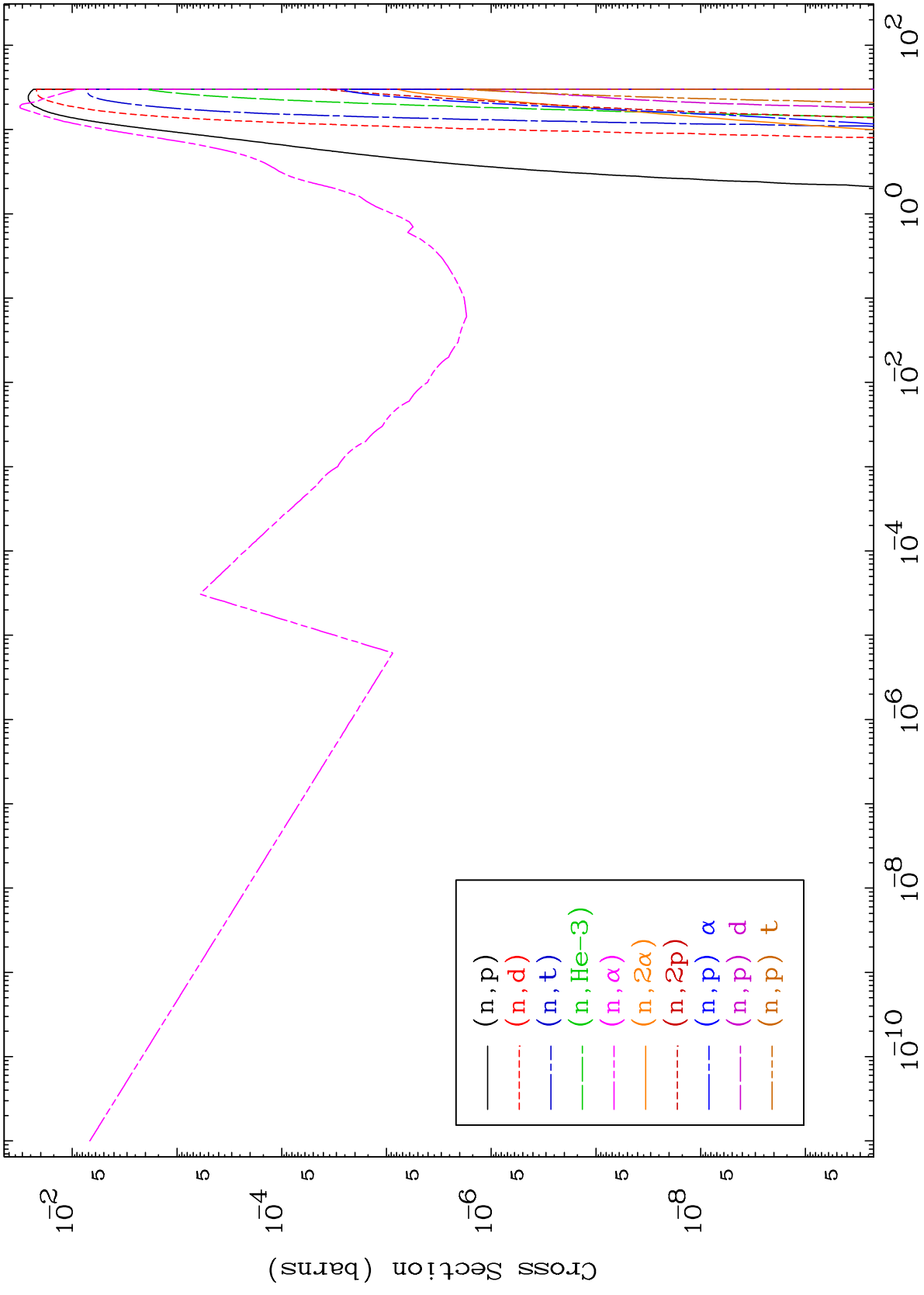


64-Gd-150

MAT 6419

Charged Particle
293 Kelvin Cross Sections

64-Gd-150

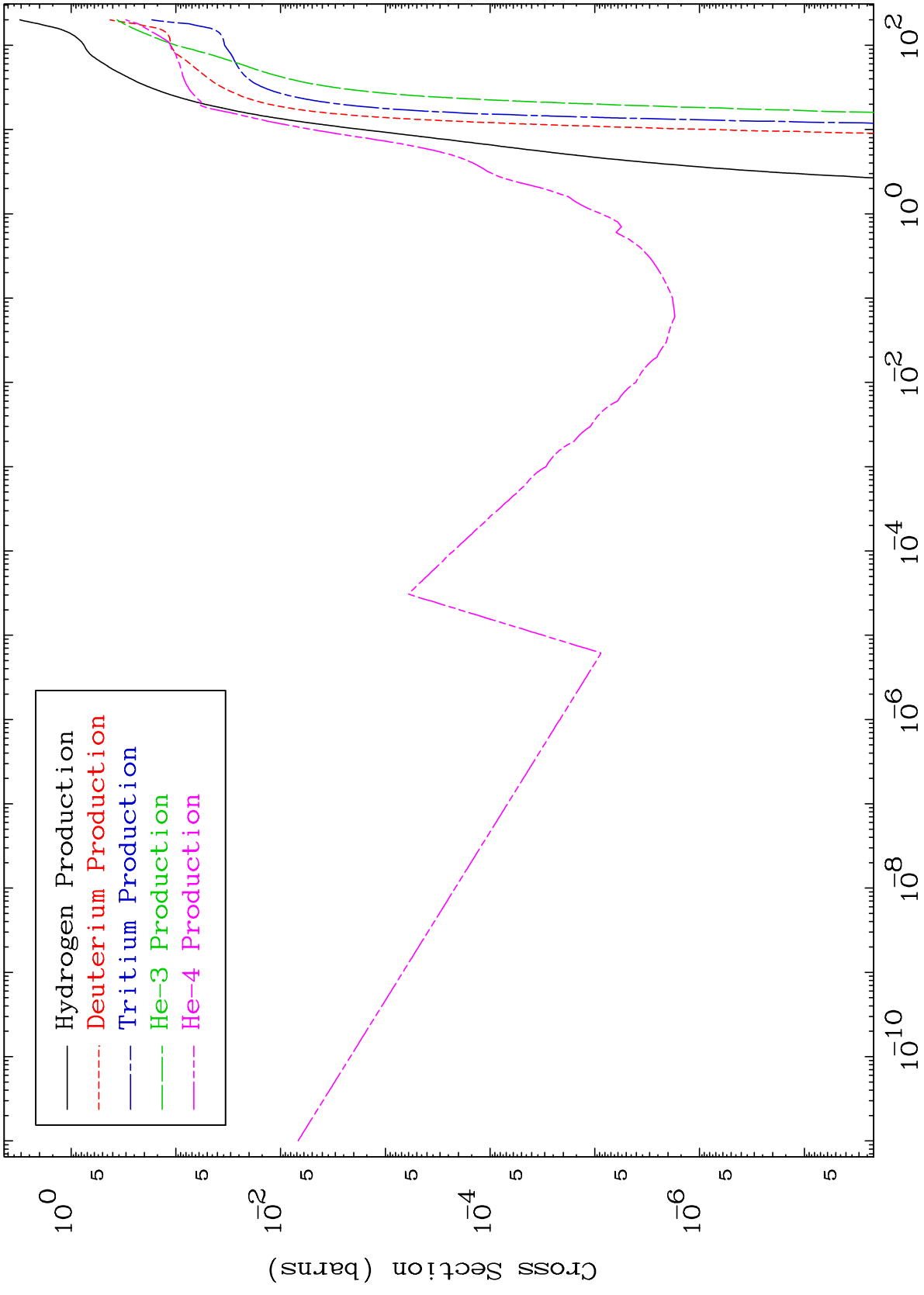


64-Gd-150

MAT 6419

Particle Production
293 Kelvin Cross Sections

64-Gd-150



6

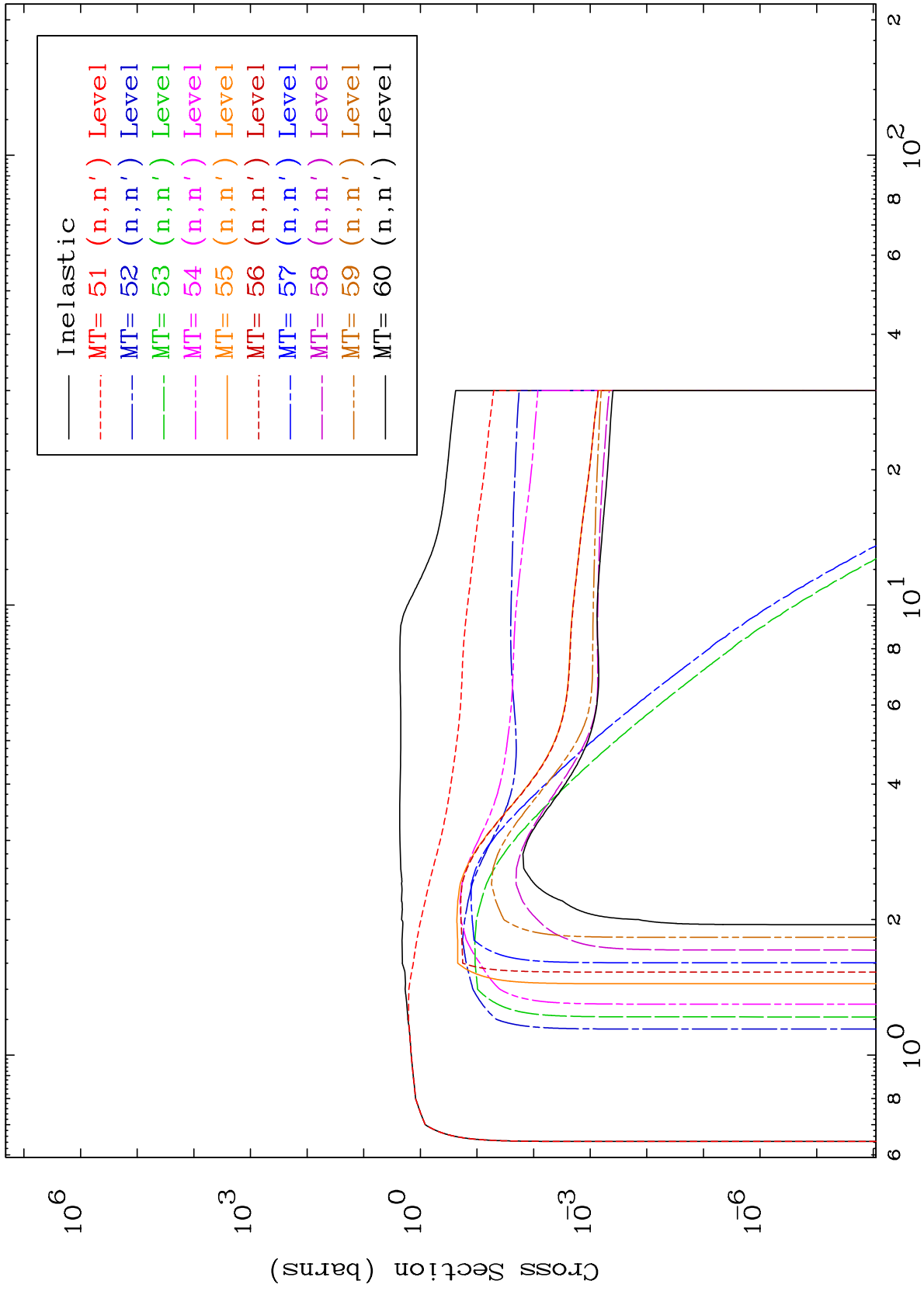
64-Gd-150

MAT 6419

(n,n') Level

64-Gd-150

293 Kelvin Cross Sections



7

Incident Energy (MeV)

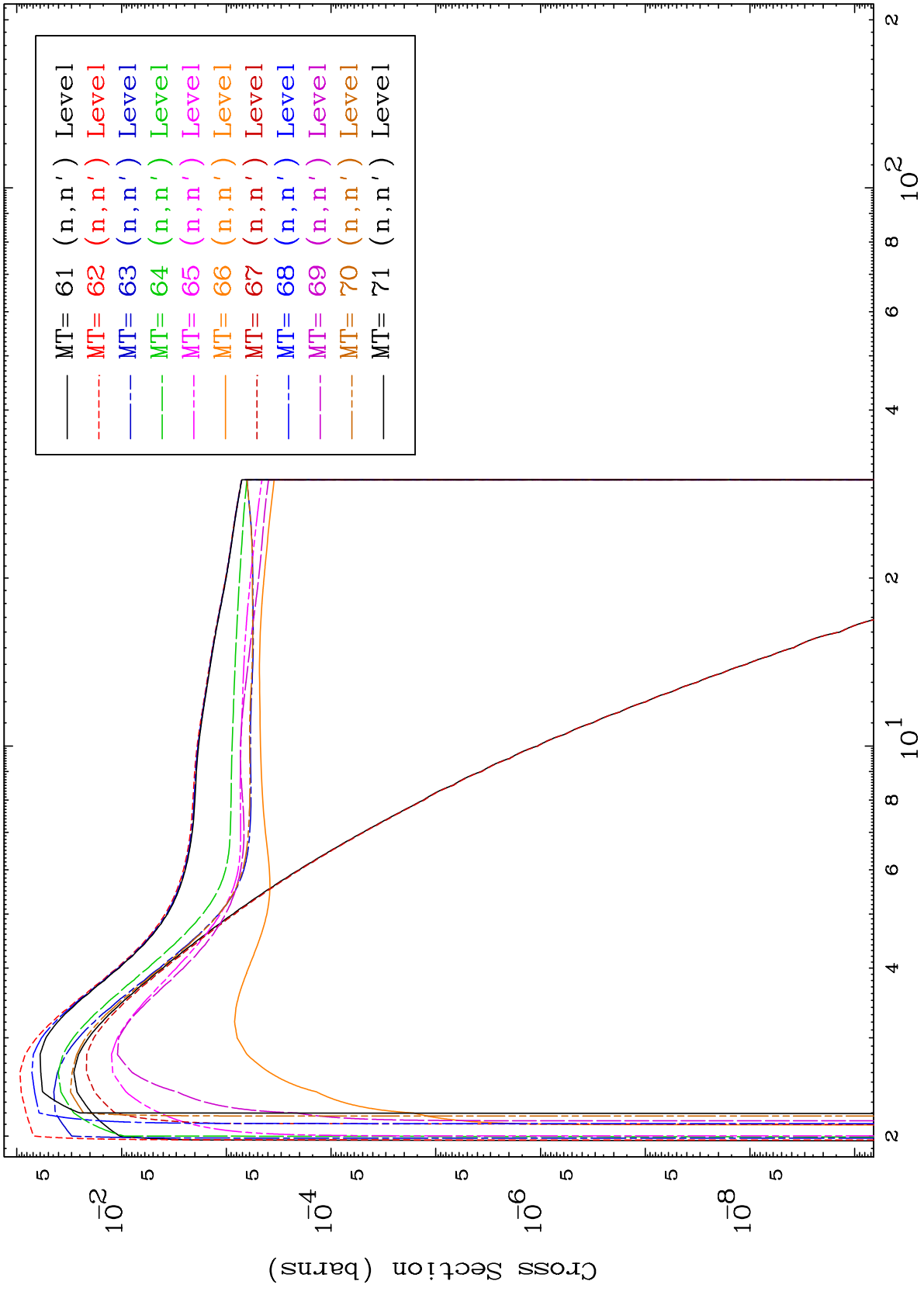
64-Gd-150

MAT 6419

(n,n') Level

64-Gd-150

293 Kelvin Cross Sections



8

Incident Energy (MeV)

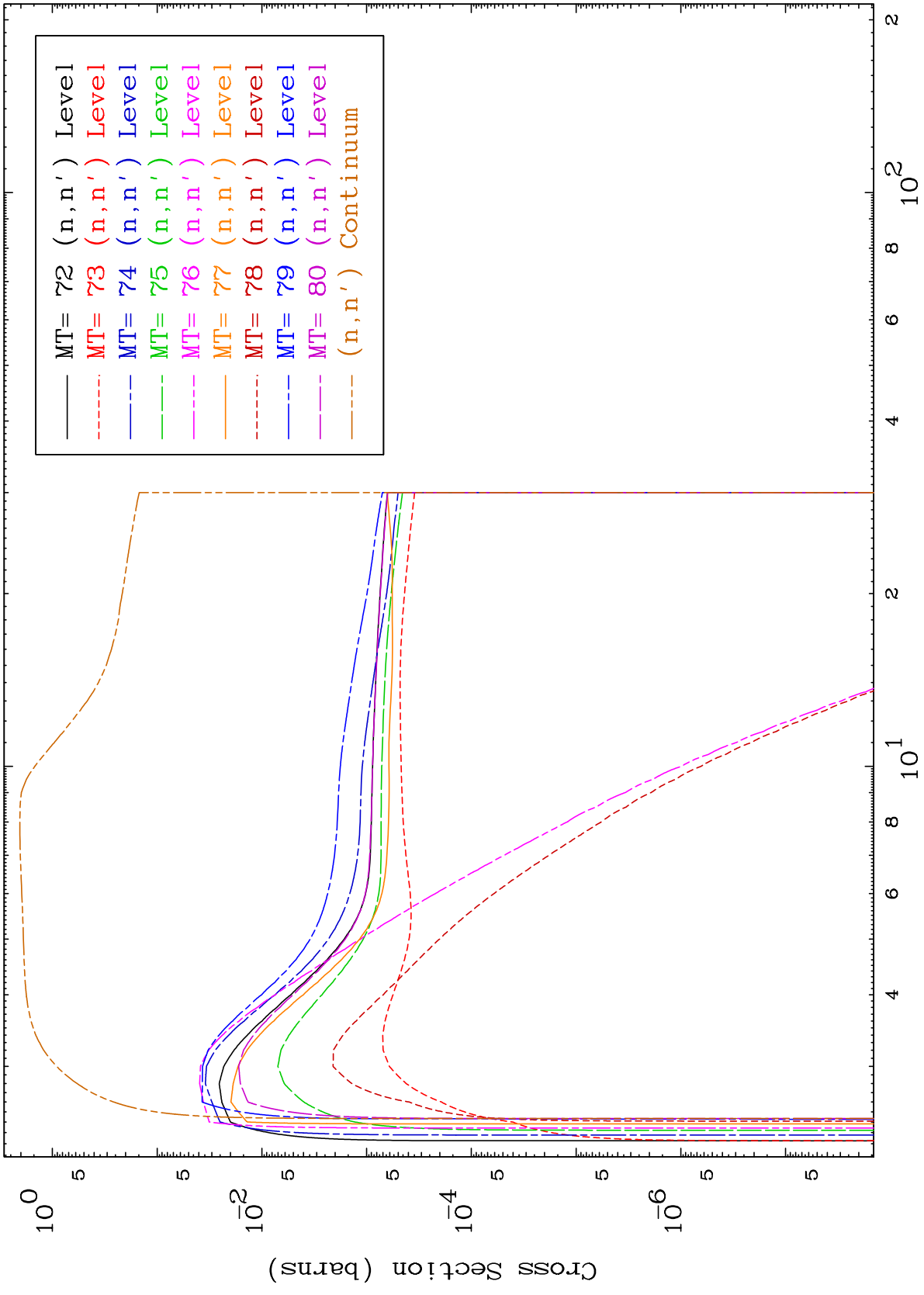
64-Gd-150

MAT 6419

(n,n') Level

64-Gd-150

293 Kelvin Cross Sections



9

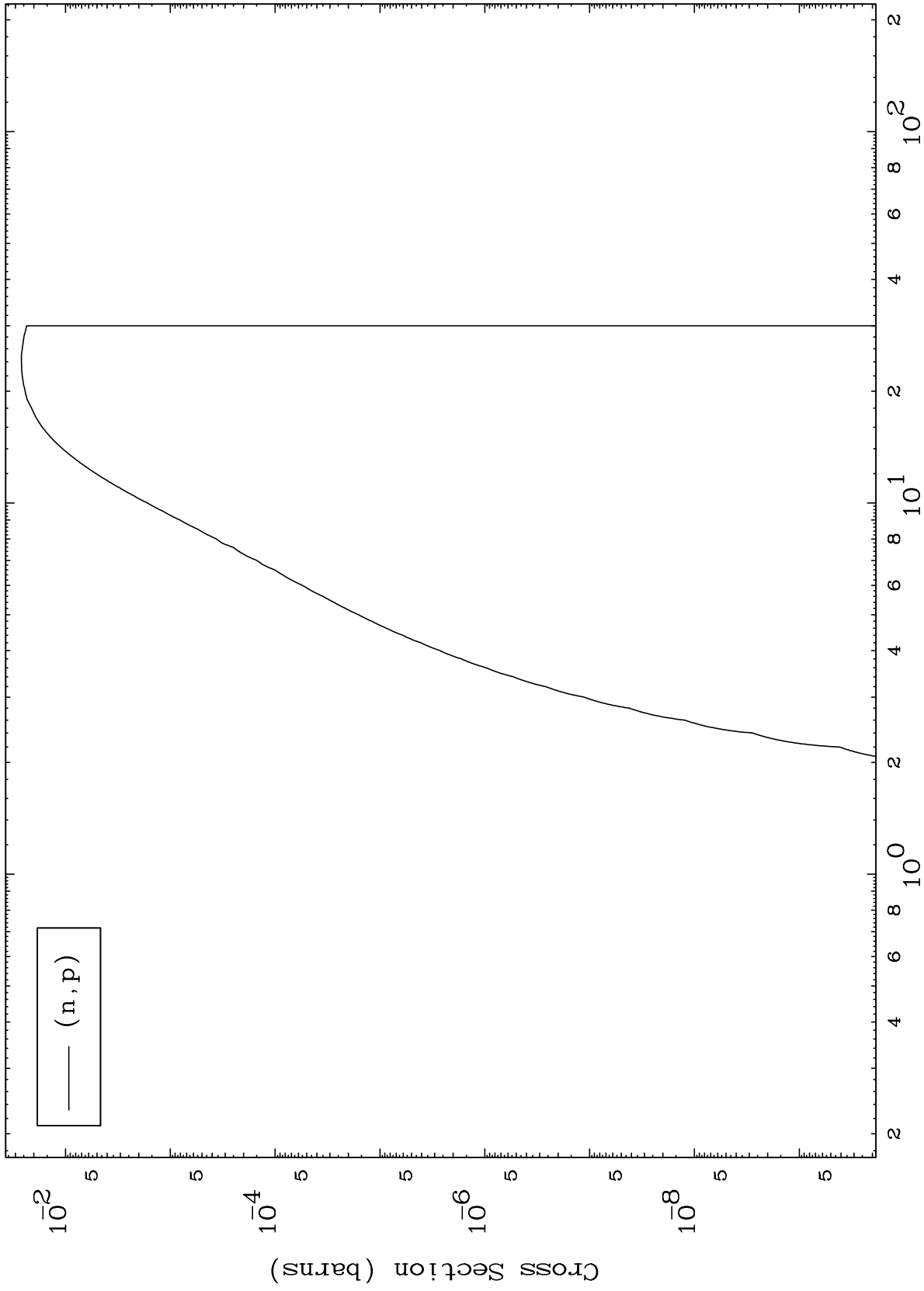
Incident Energy (MeV)

64-Gd-150

MAT 6419

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-150



10

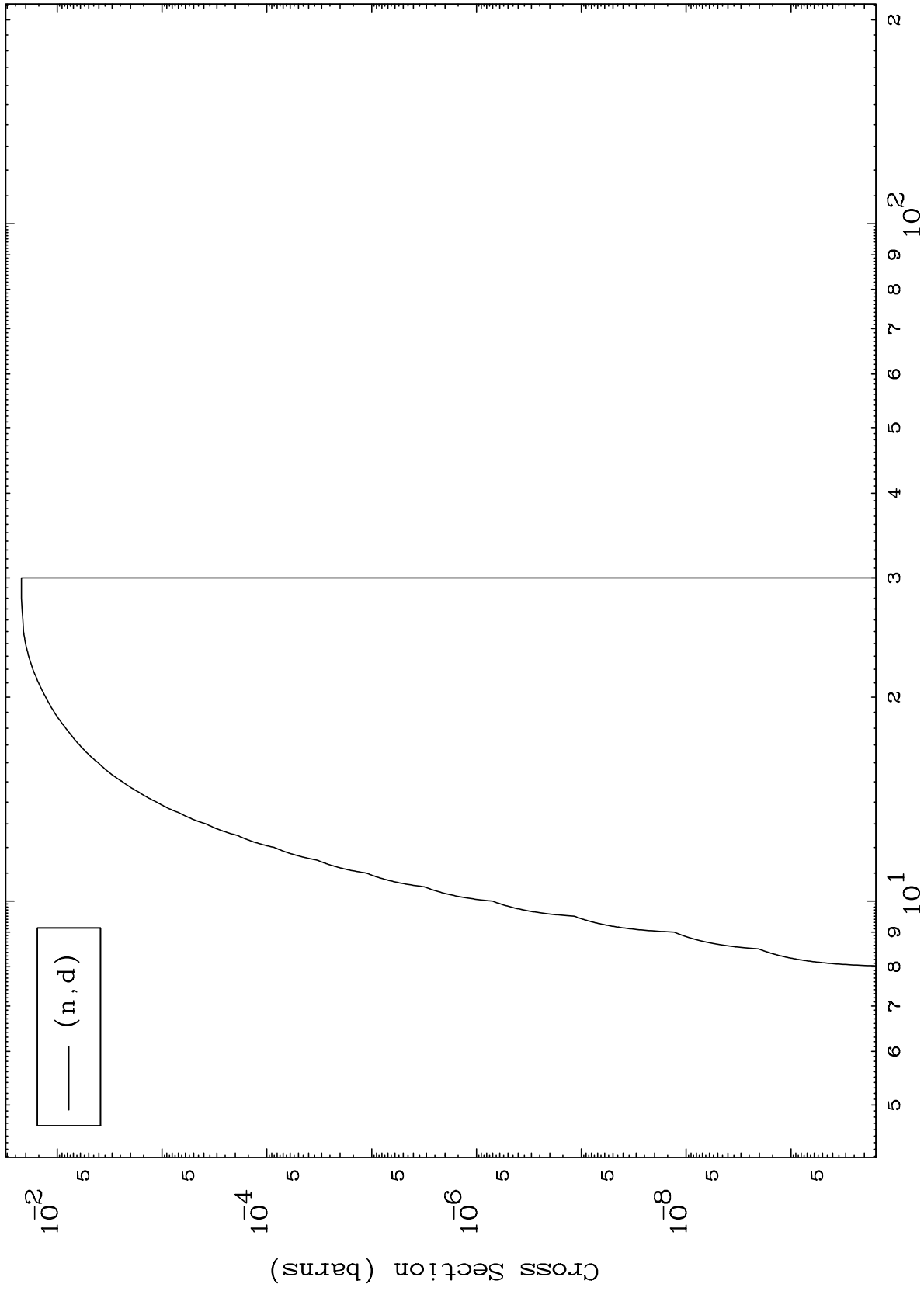
Incident Energy (MeV)

64-Gd-150

MAT 6419

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-150



11

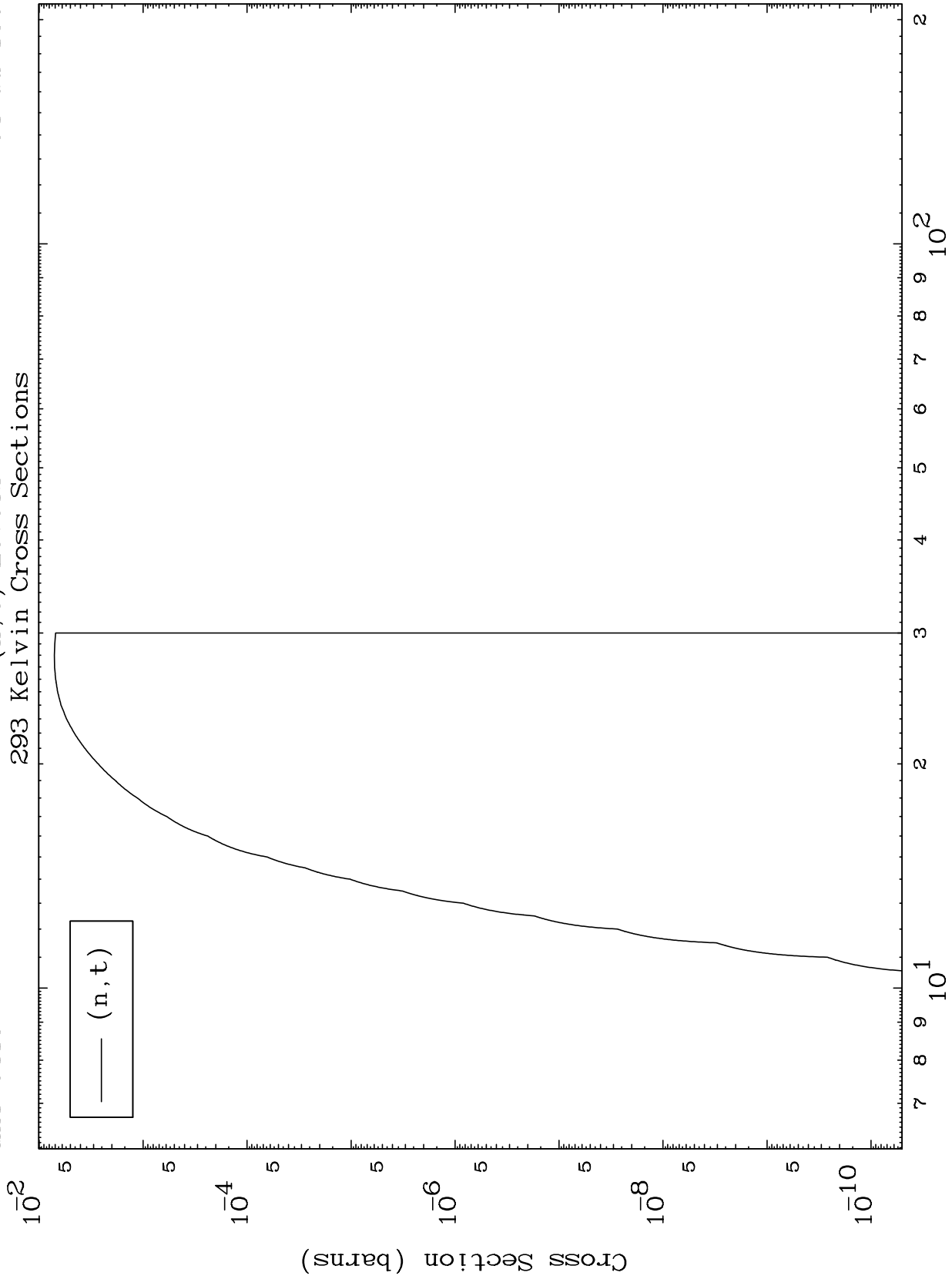
Incident Energy (MeV)

64-Gd-150

MAT 6419

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-150



(n,t)

12

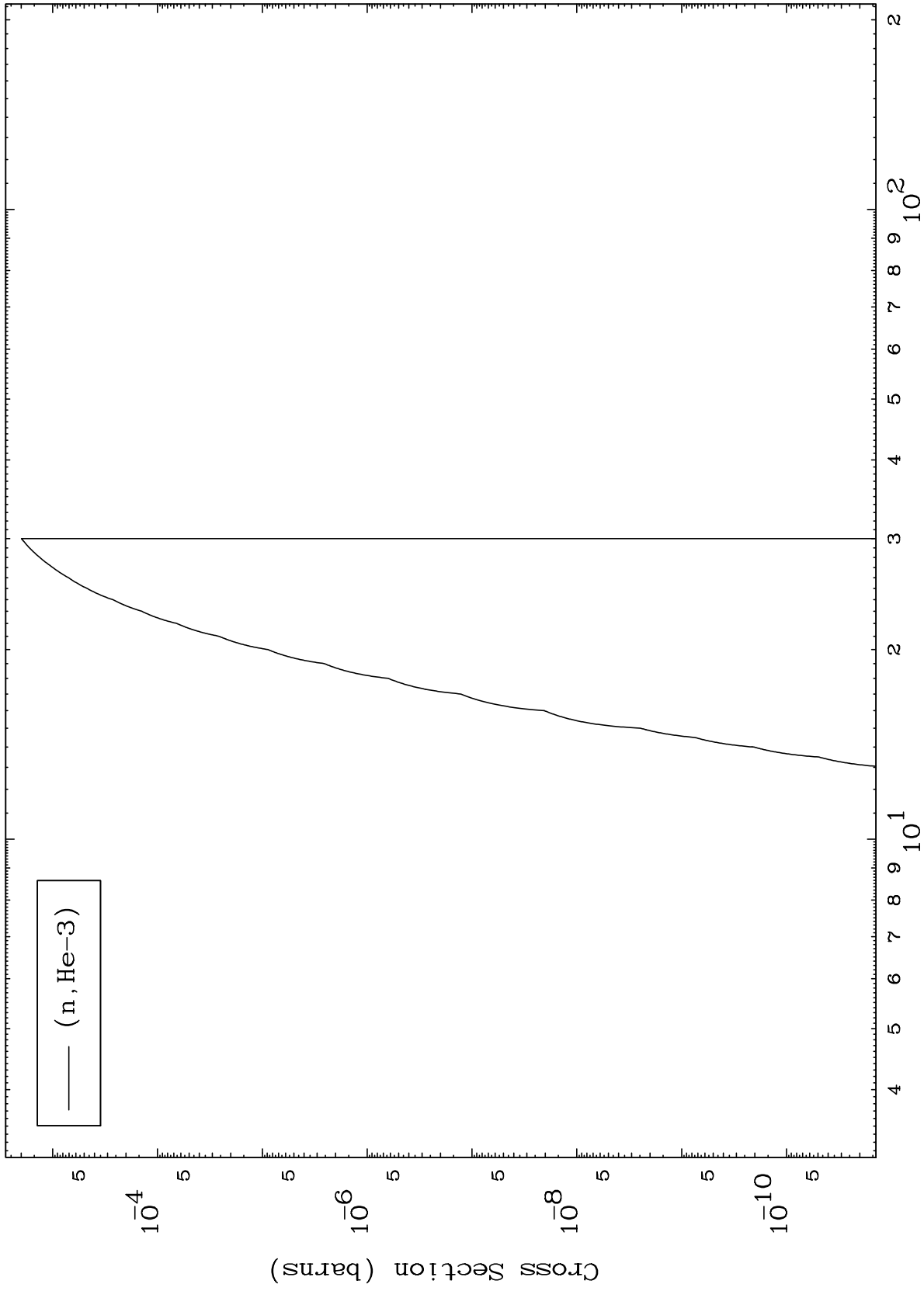
Incident Energy (MeV)

64-Gd-150

MAT 6419

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-150



13

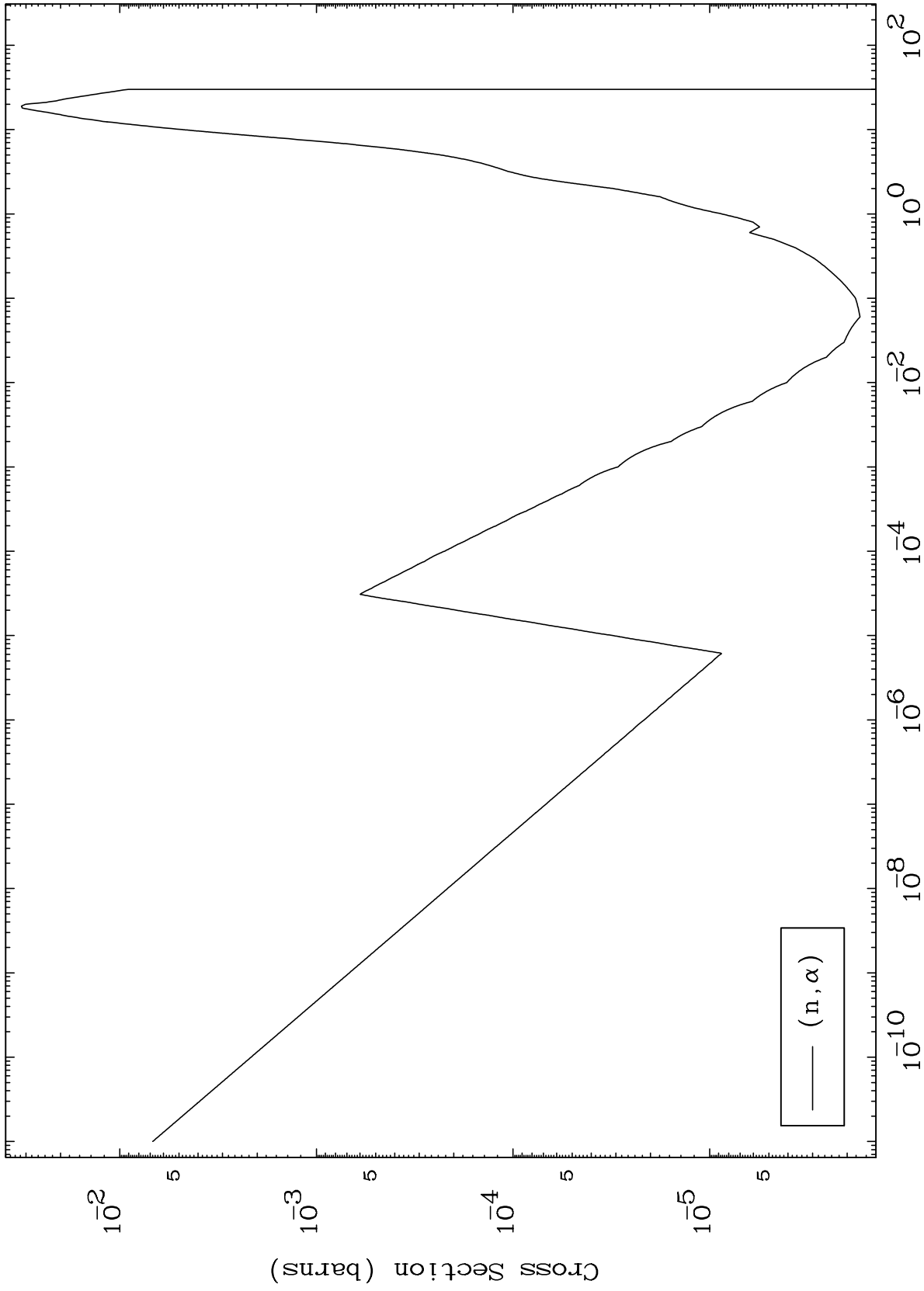
Incident Energy (MeV)

64-Gd-150

MAT 6419

(n, α) Levels
293 Kelvin Cross Sections

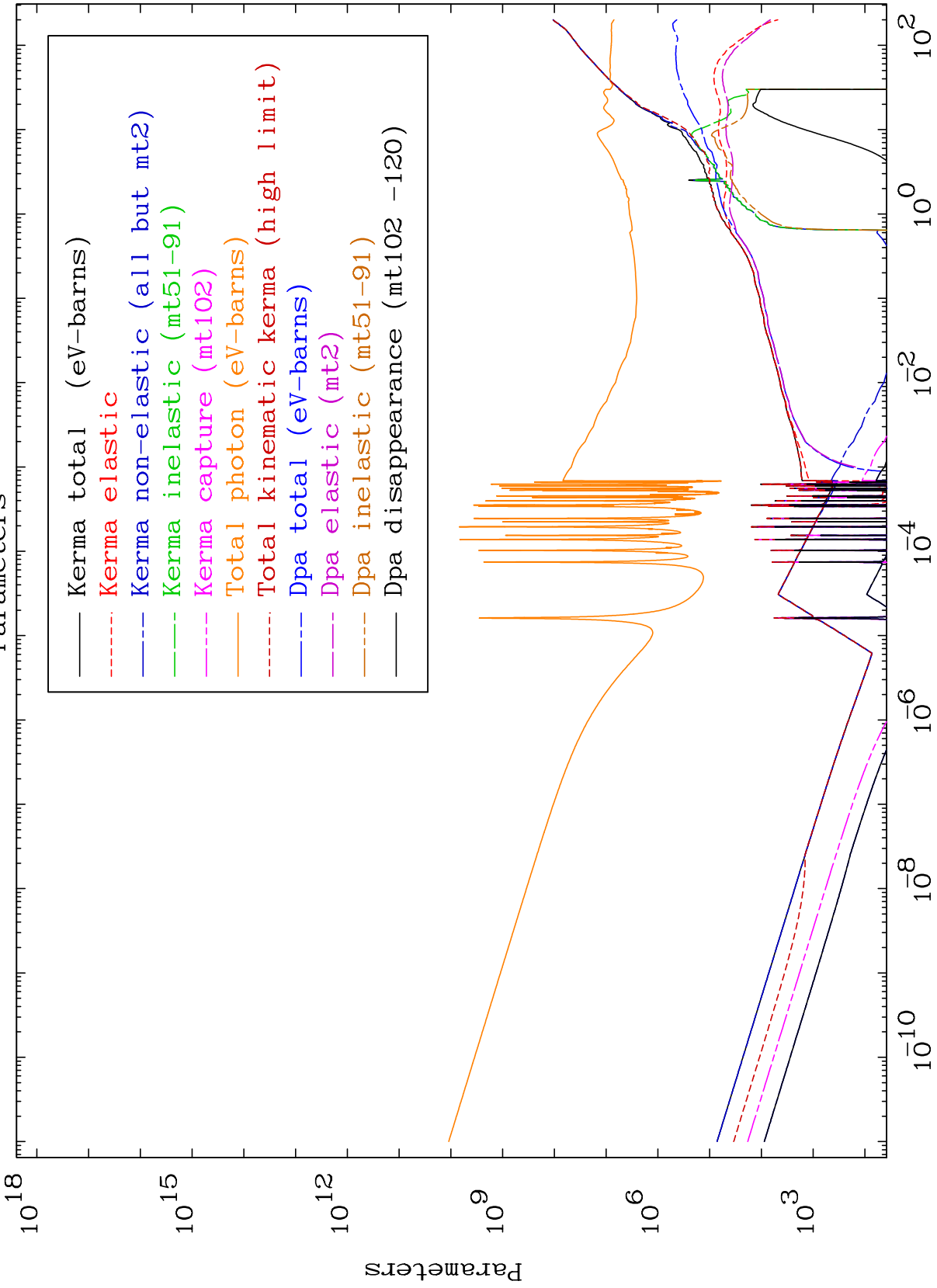
64-Gd-150

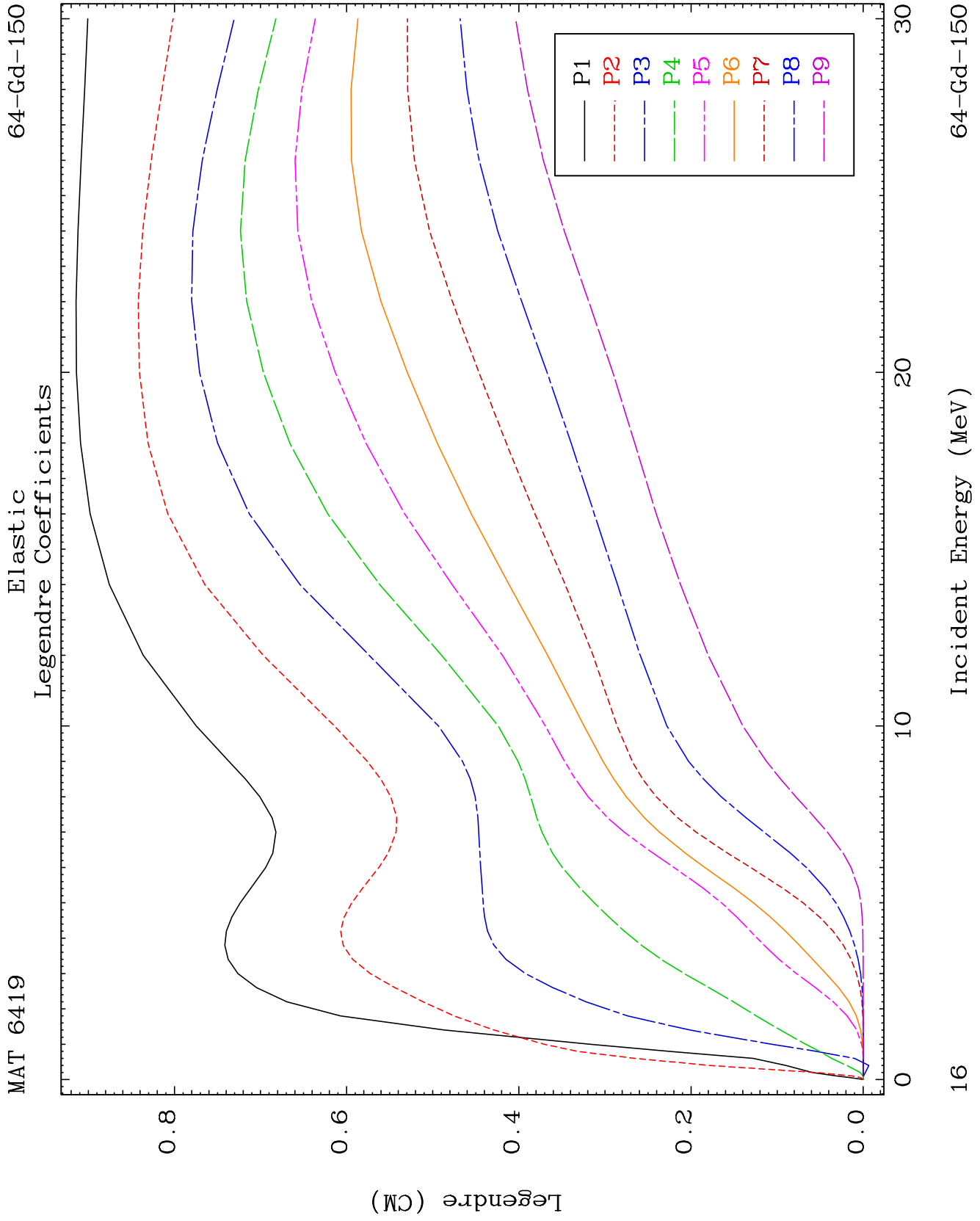


14

Incident Energy (MeV)

64-Gd-150

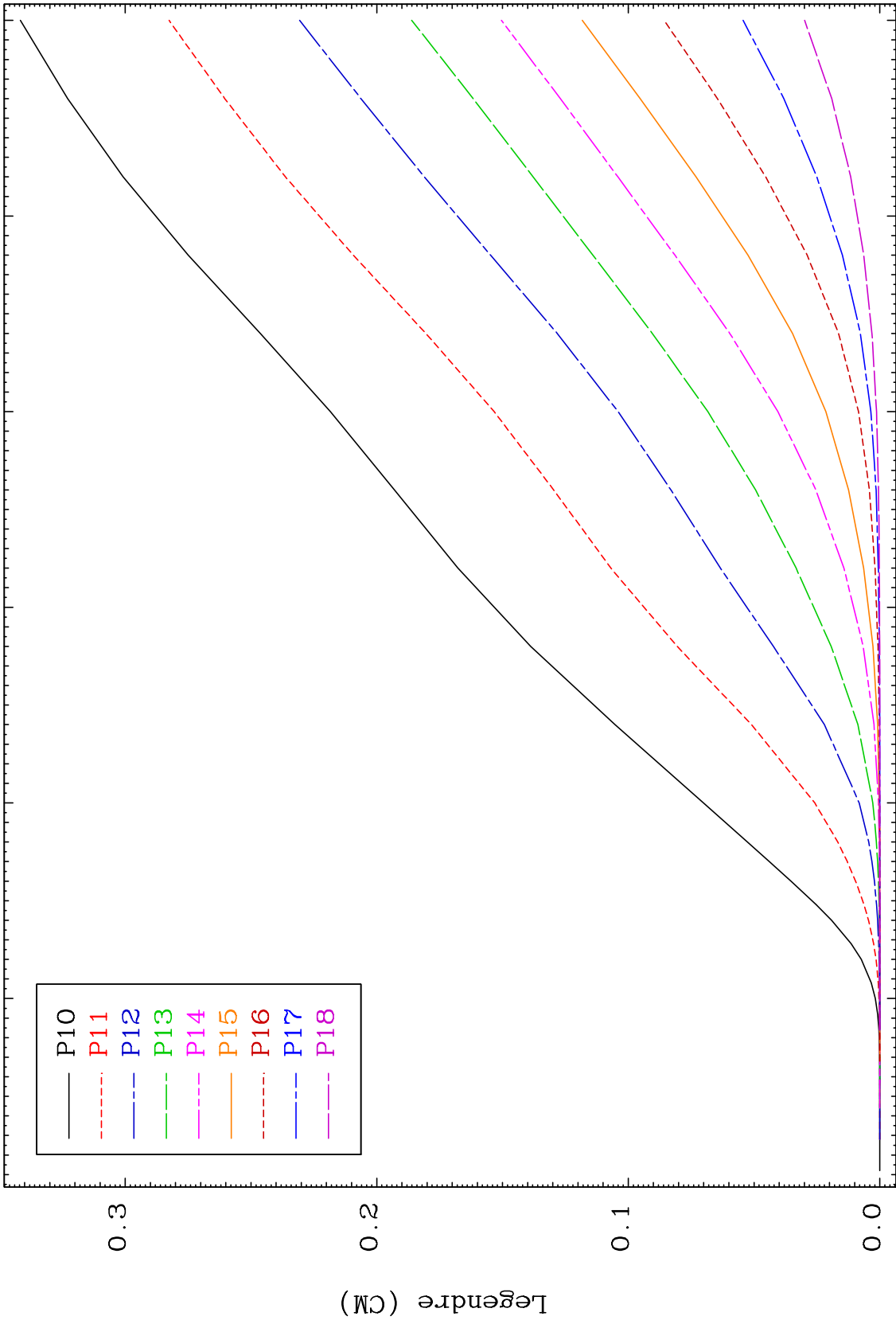




MAT 6419

Elastic Legendre Coefficients

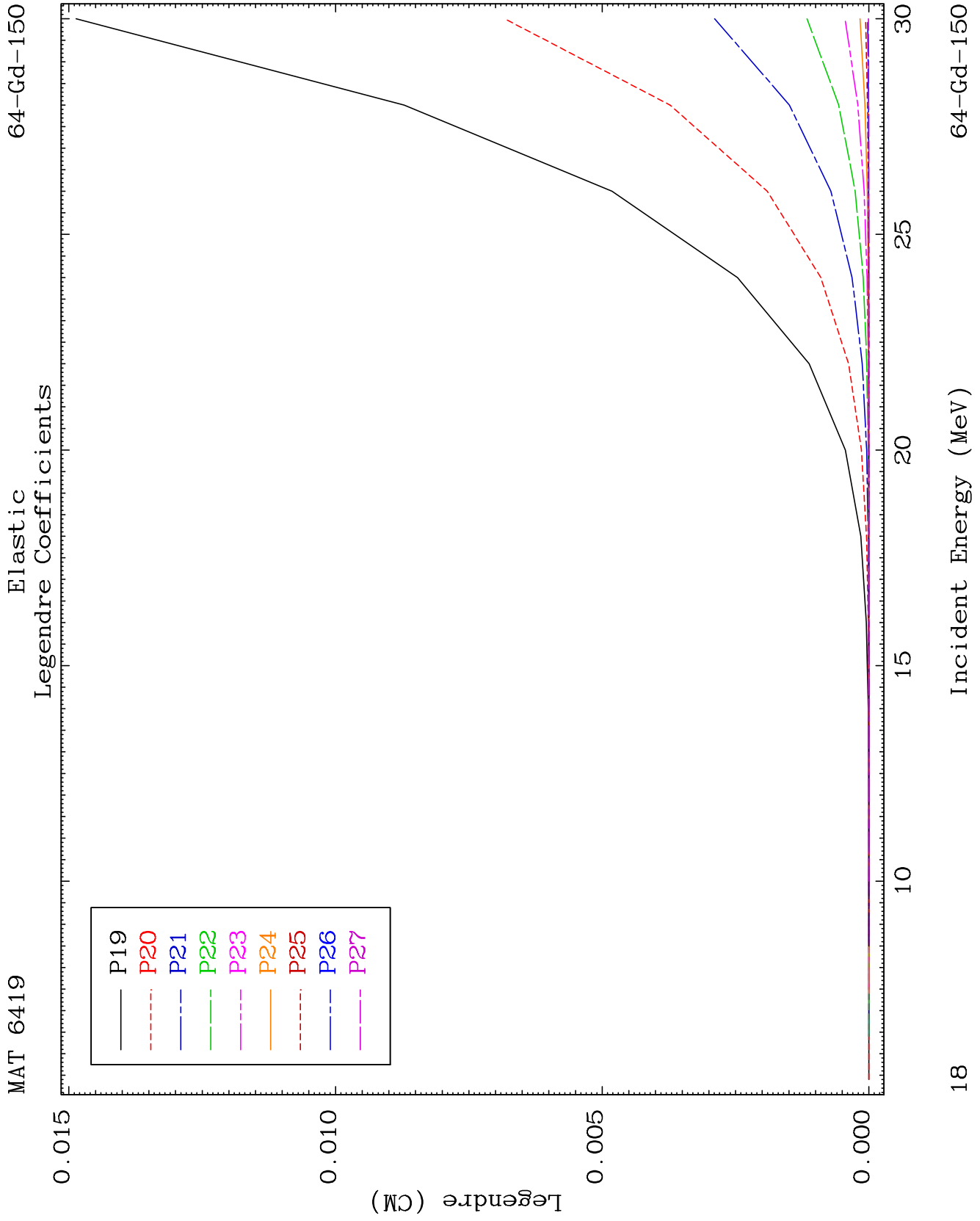
64-Gd-150



17

Incident Energy (MeV)

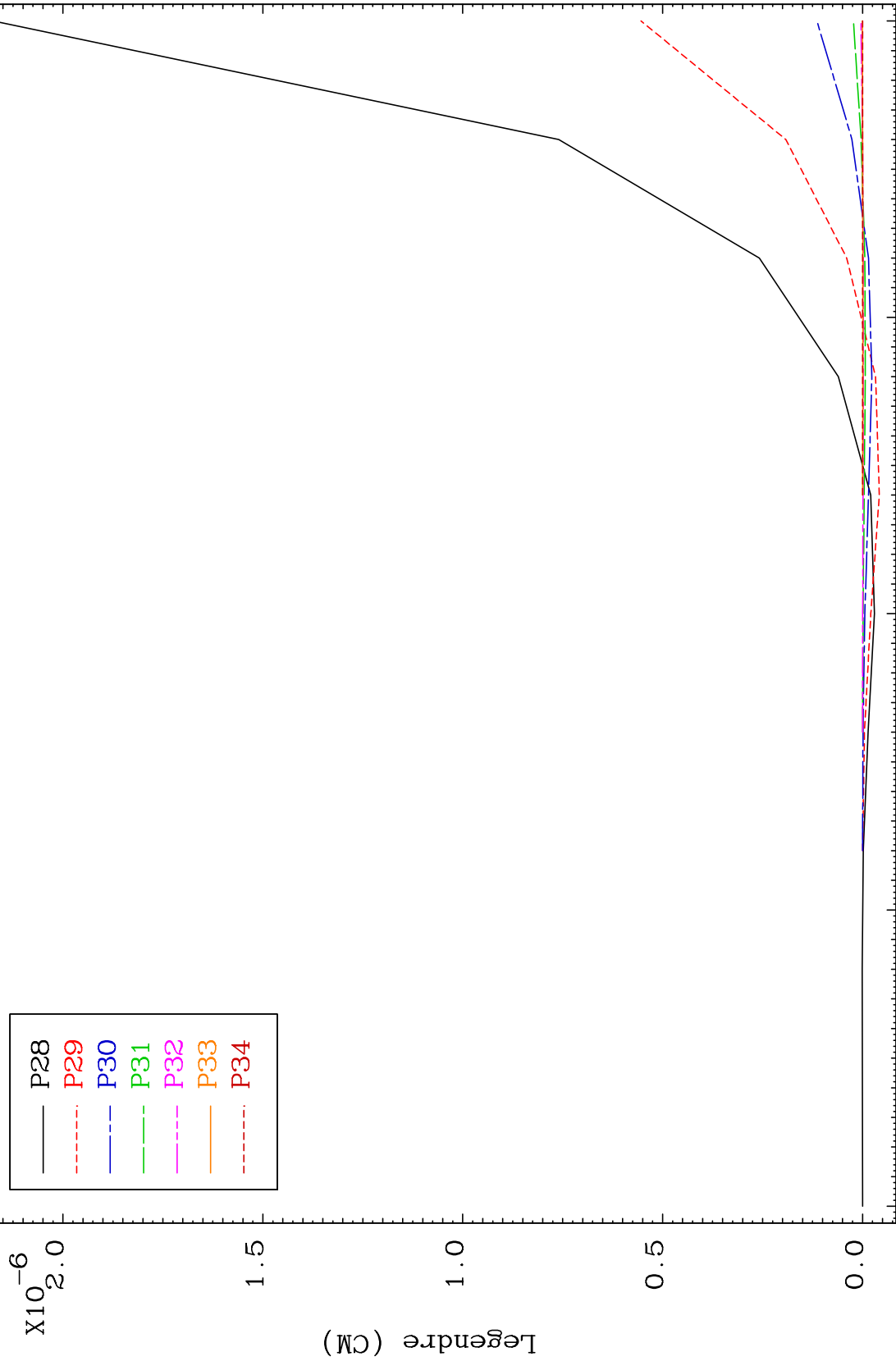
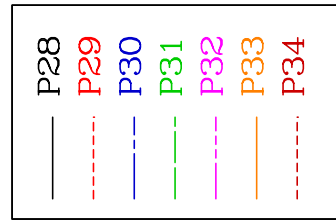
64-Gd-150



MAT 6419

Elastic Legendre Coefficients

64-Gd-150



19

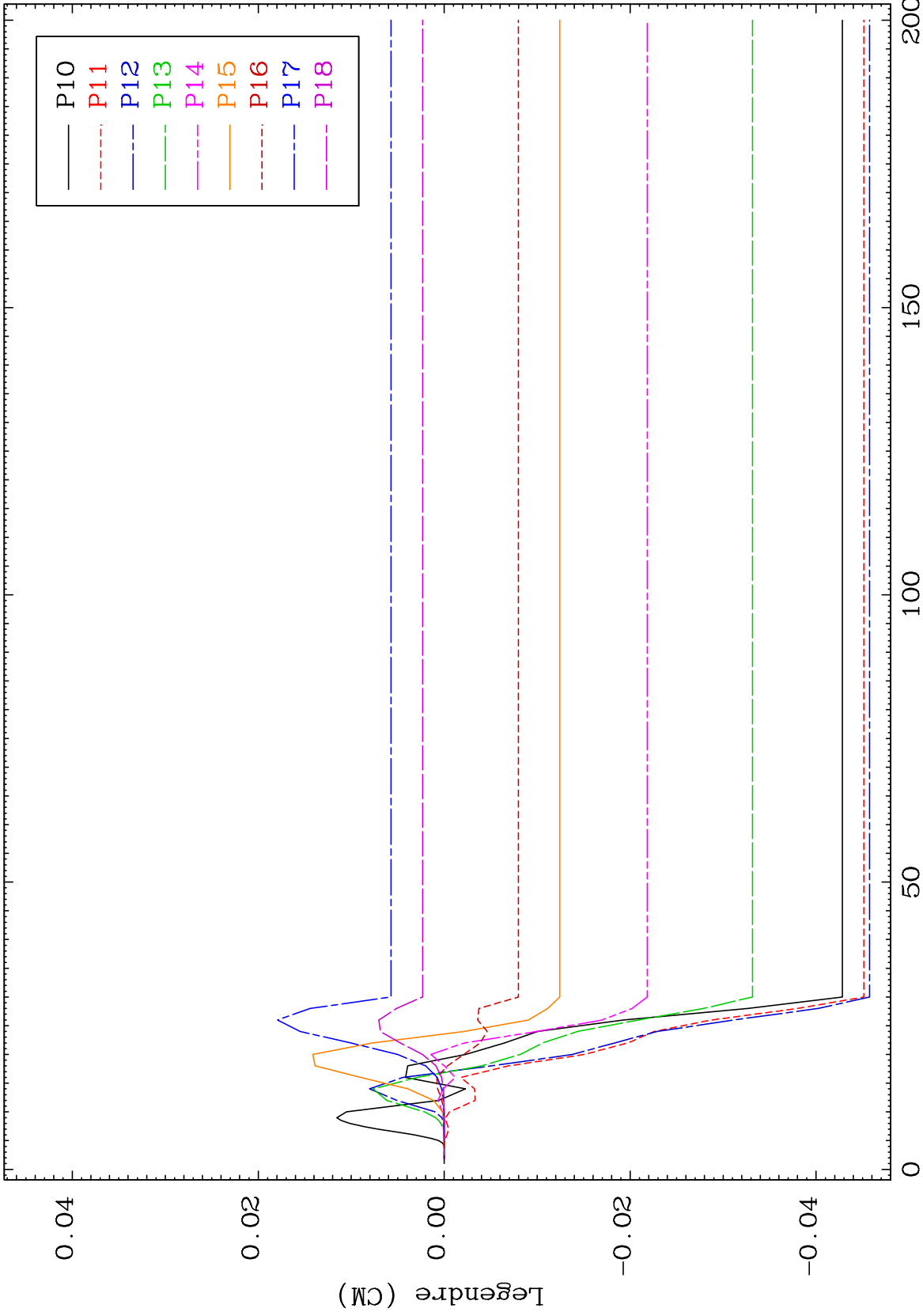
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

64-Gd-150



21

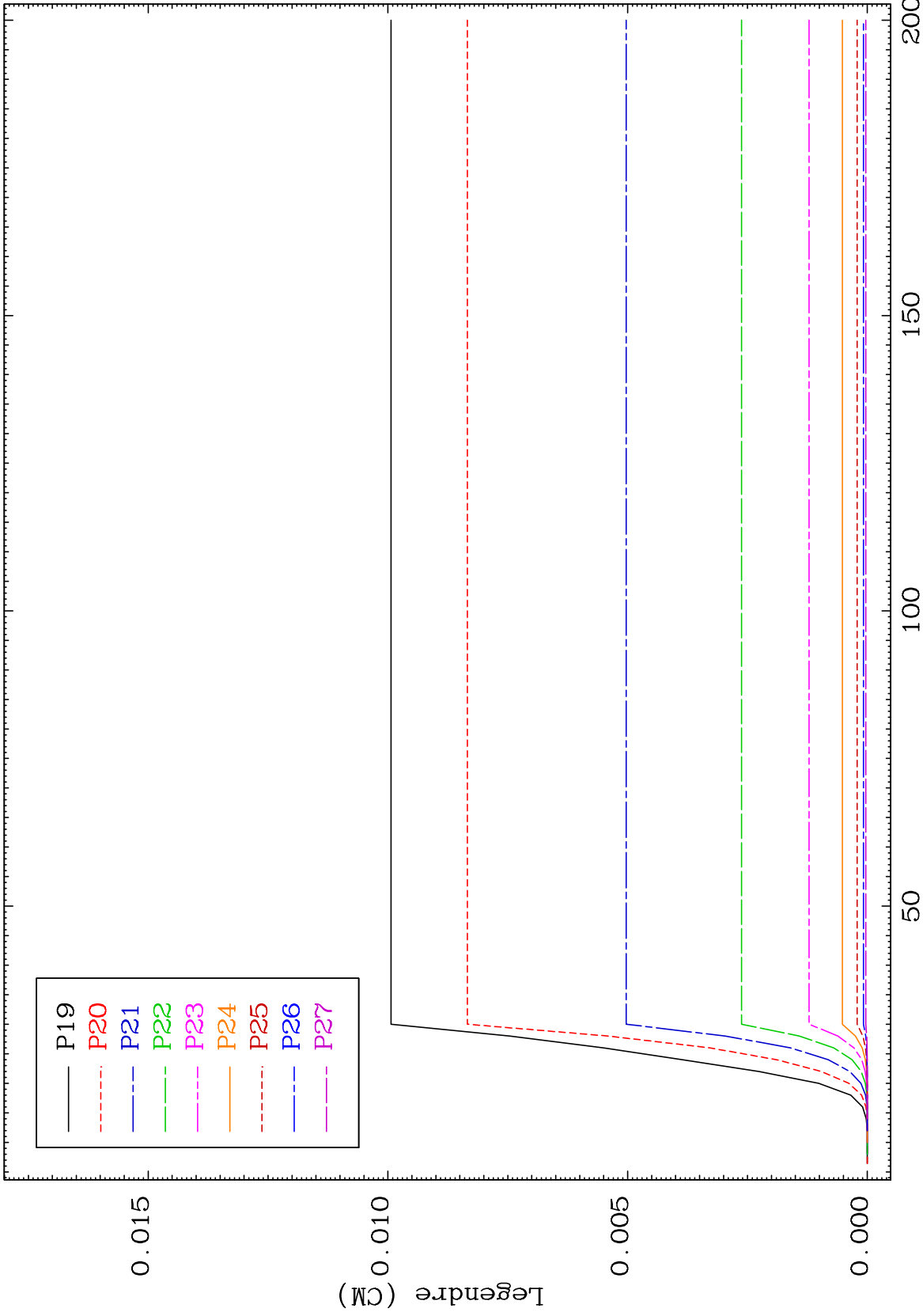
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

64-Gd-150



22

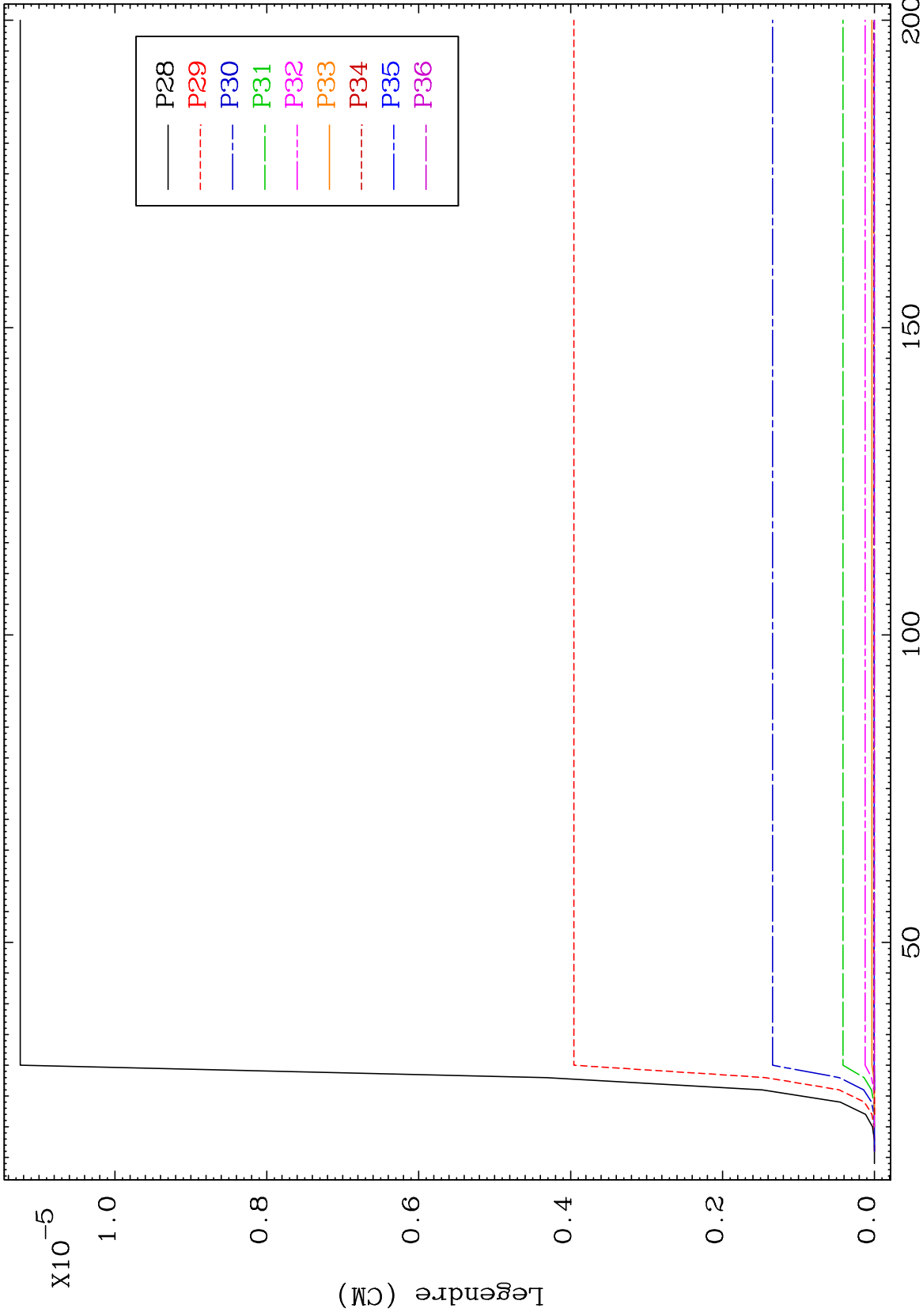
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

64-Gd-150



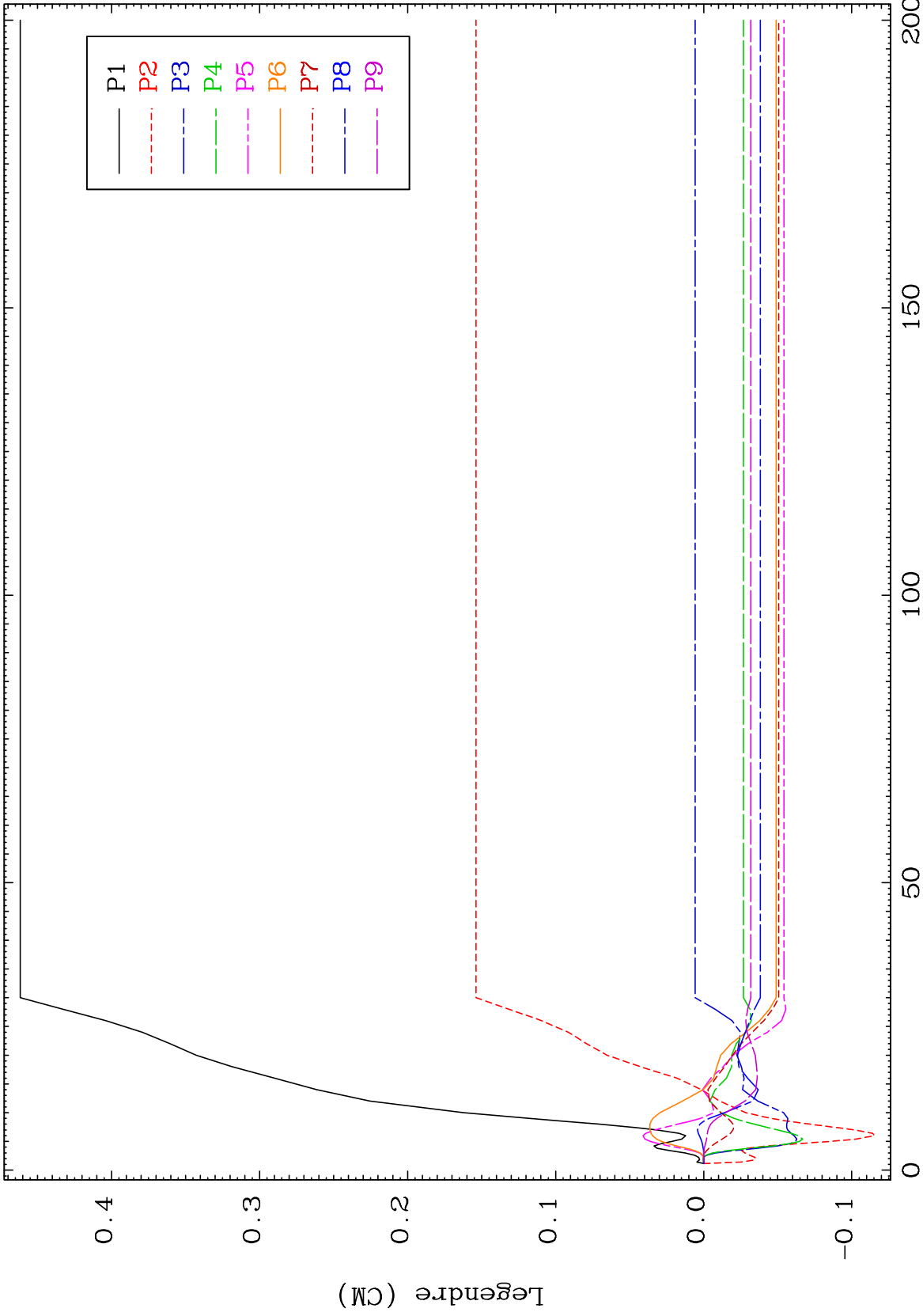
23

64-Gd-150

MAT 6419

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

64-Gd-150



24

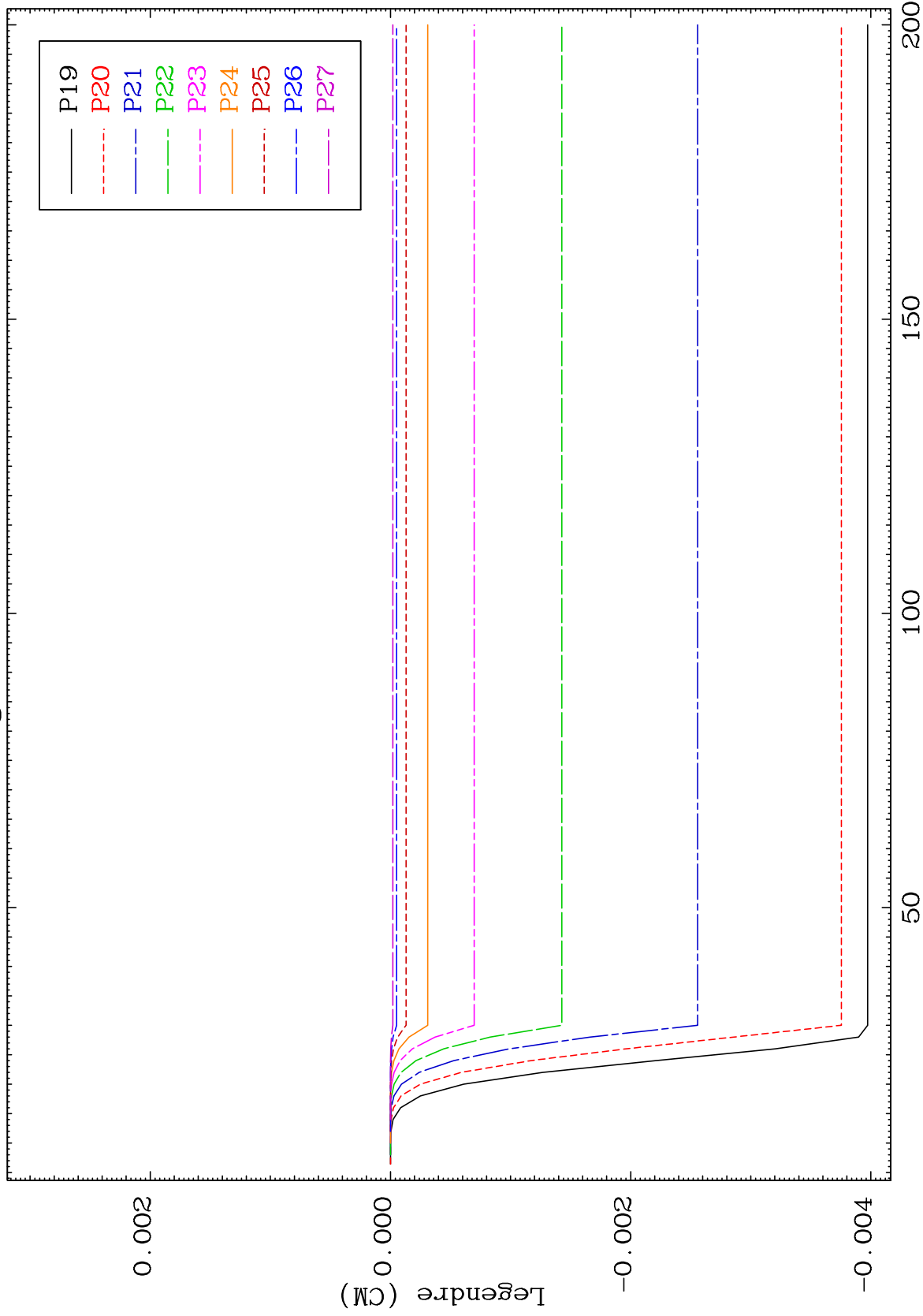
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

64-Gd-150

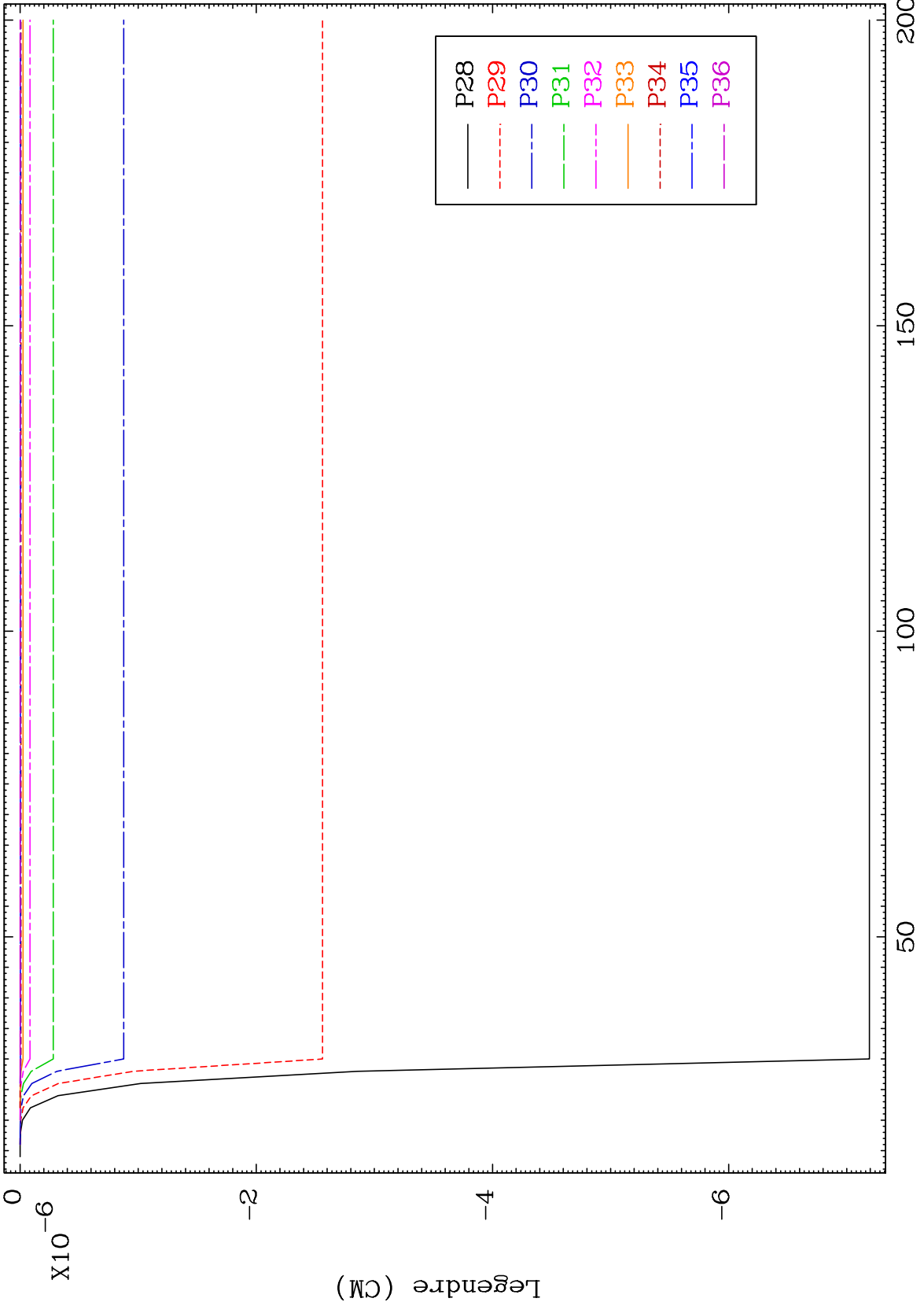


26

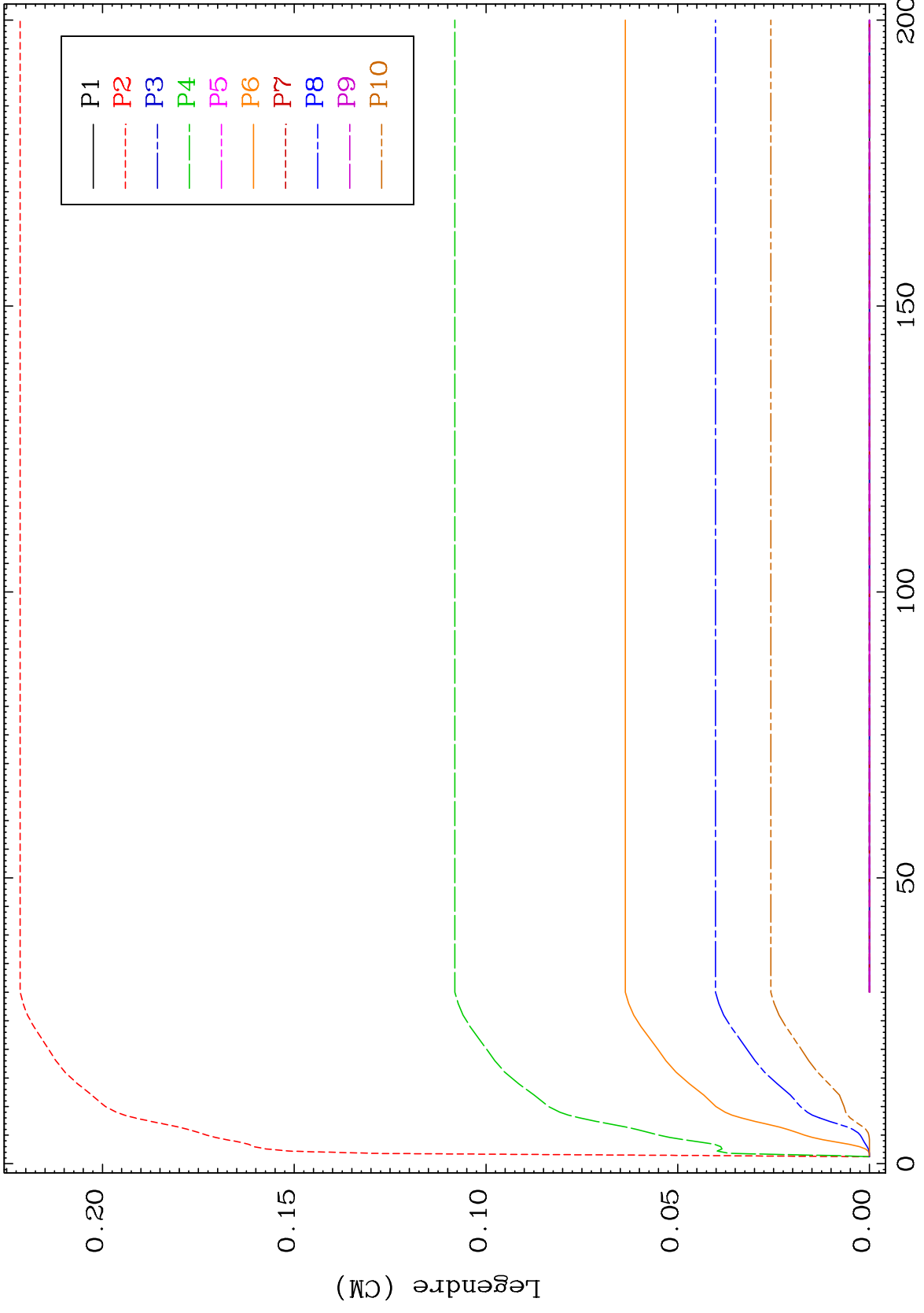
Incident Energy (MeV)

64-Gd-150

MAT 6419 MT= 52 (n,n') Level Legendre Coefficients 64-Gd-150



MAT 6419 MT= 53 (n,n') Level Legendre Coefficients 64-Gd-150

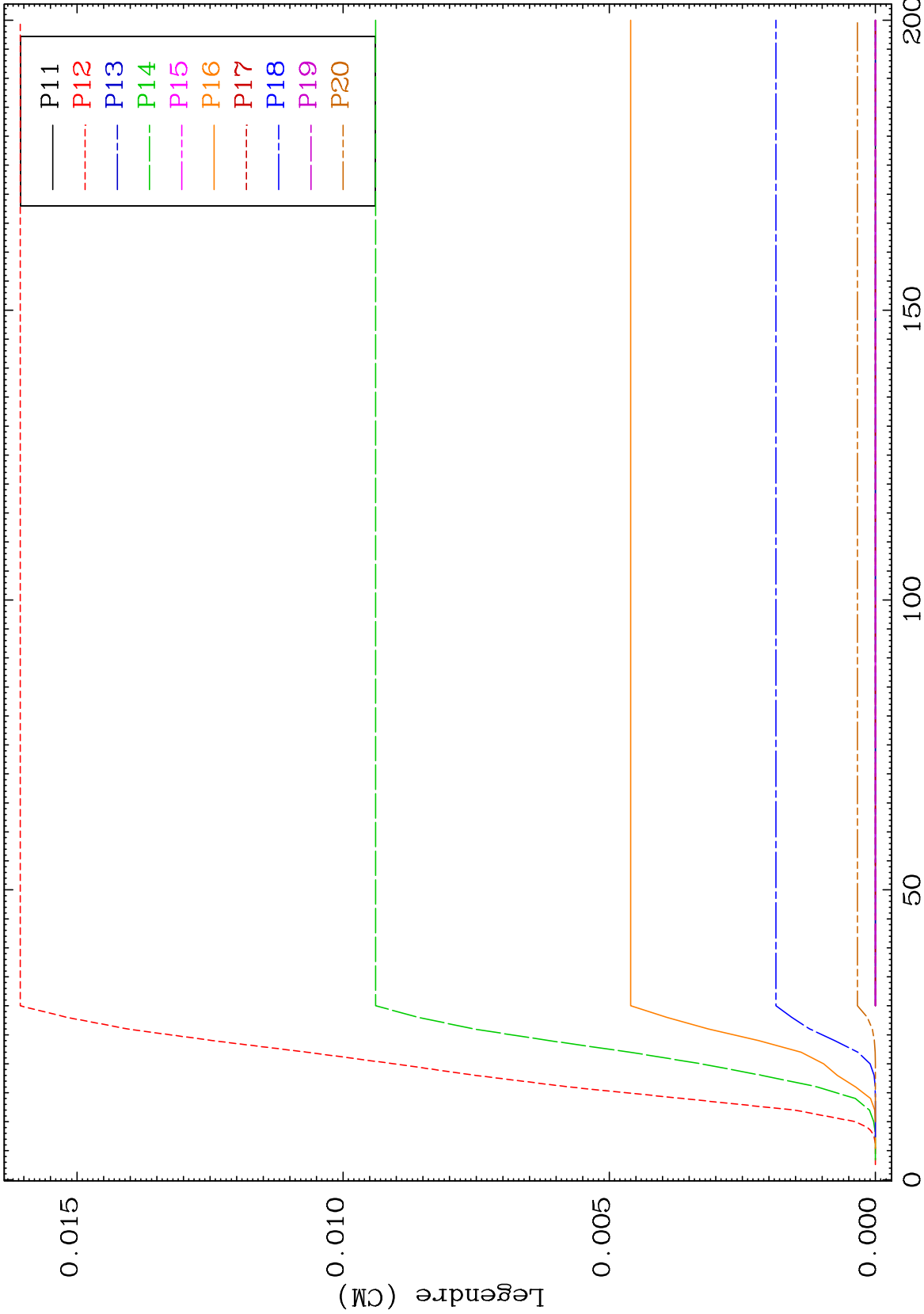


28 Incident Energy (MeV) 64-Gd-150

MAT 6419

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

64-Gd-150

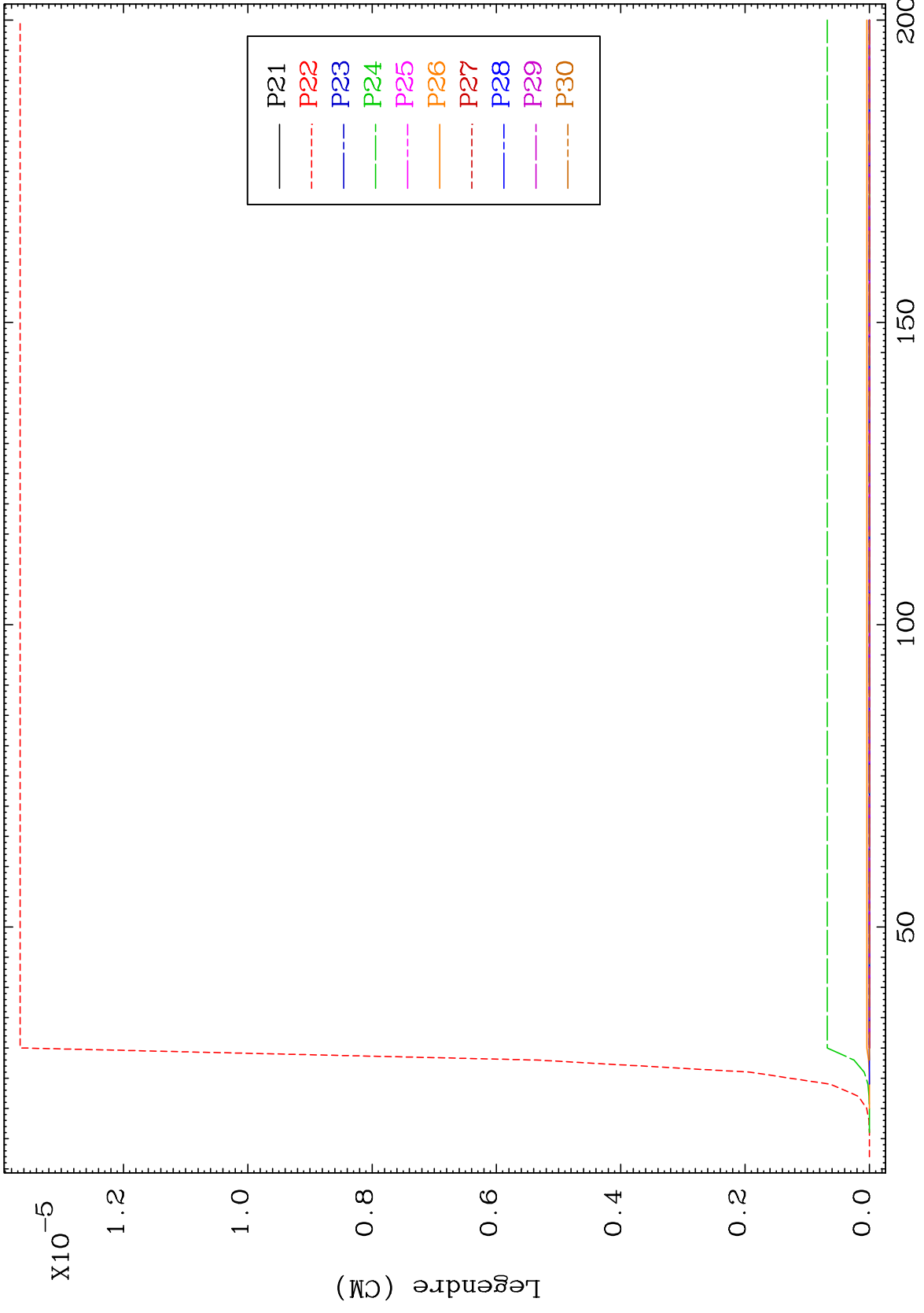


29

Incident Energy (MeV)

64-Gd-150

MAT 6419 MT= 53 (n,n') Level Legendre Coefficients 64-Gd-150

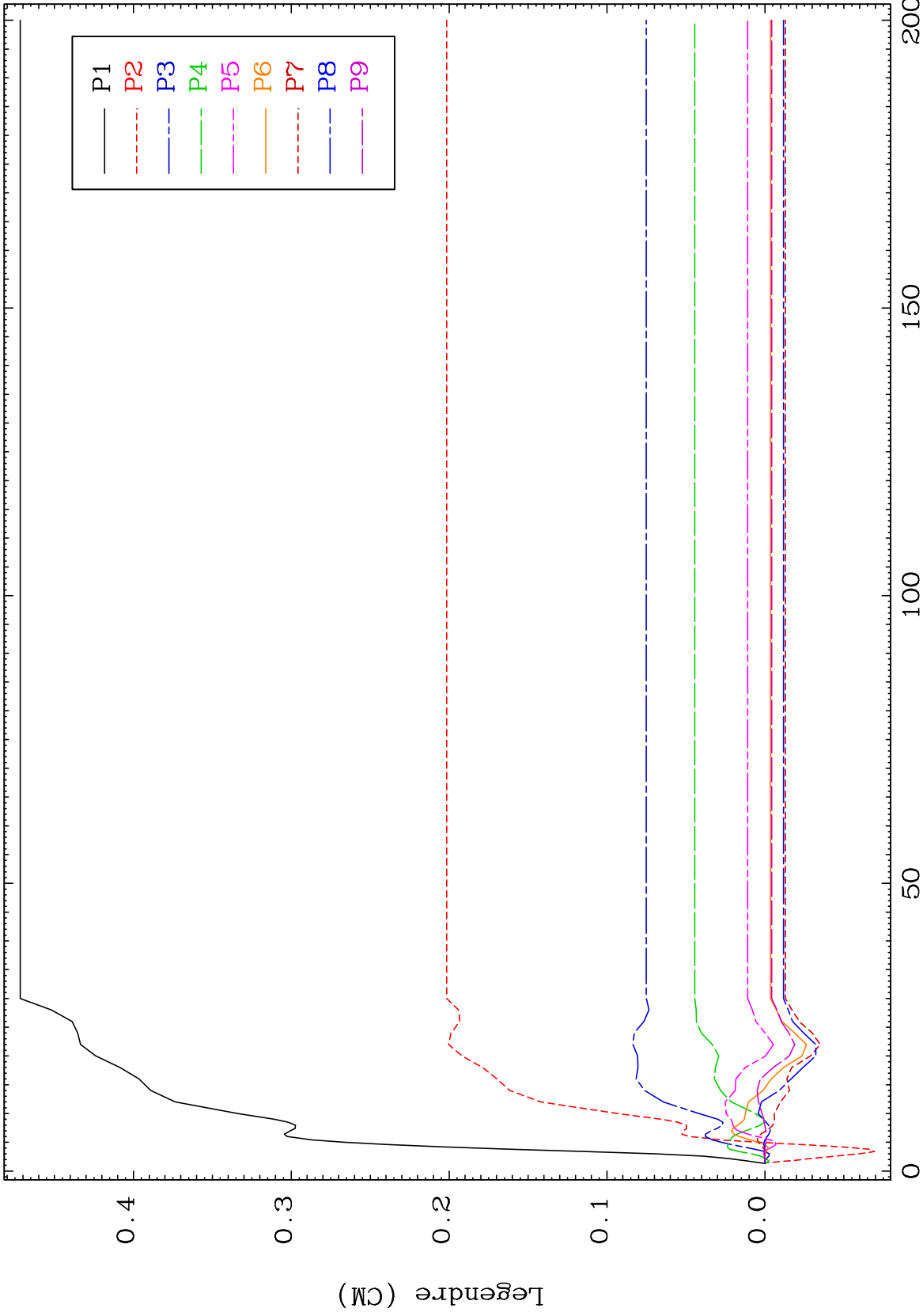


64-Gd-150

MAT 6419

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

64-Gd-150

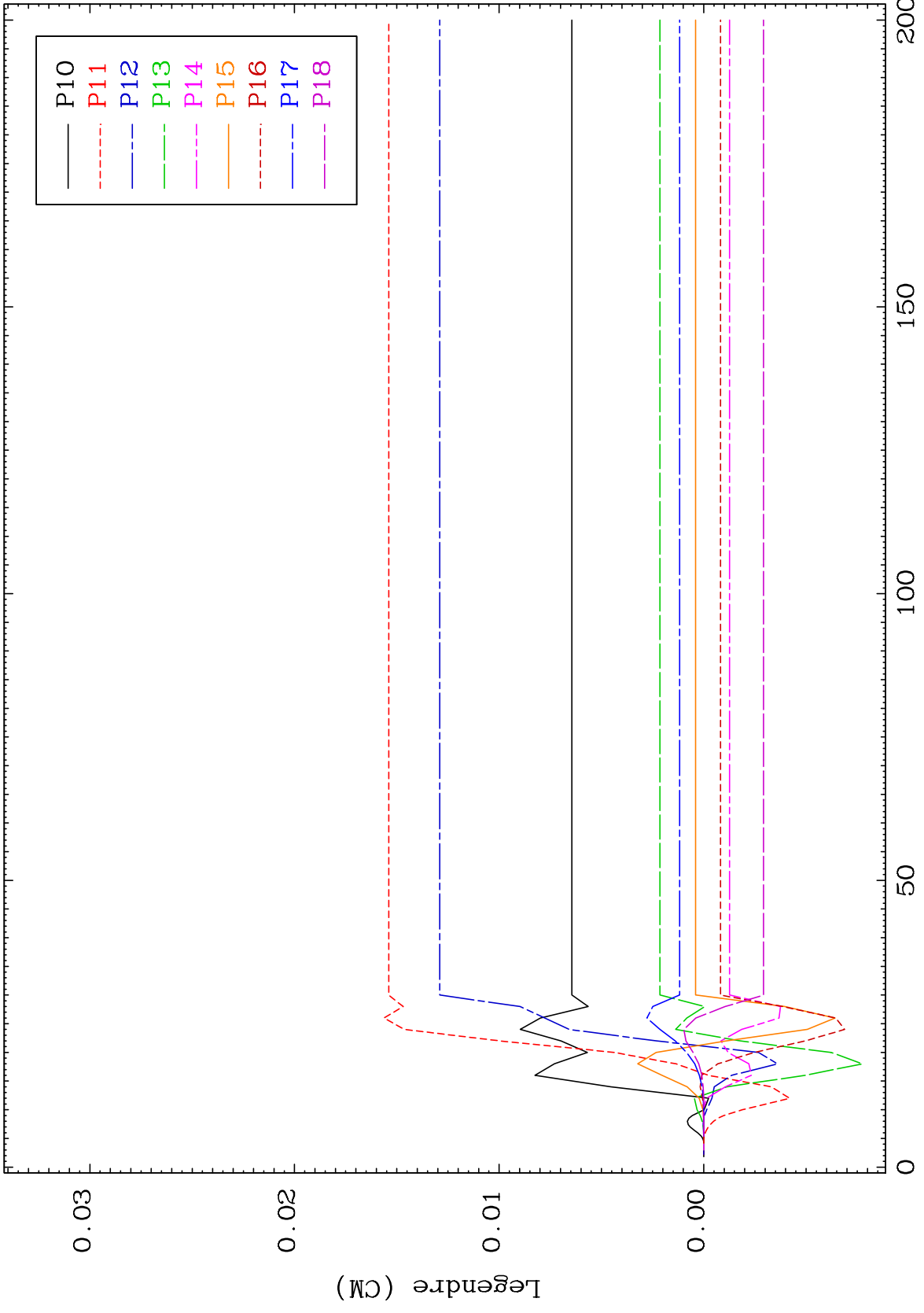


31

Incident Energy (MeV)

64-Gd-150

MAT 6419 MT= 54 (n,n') Level Legendre Coefficients 64-Gd-150

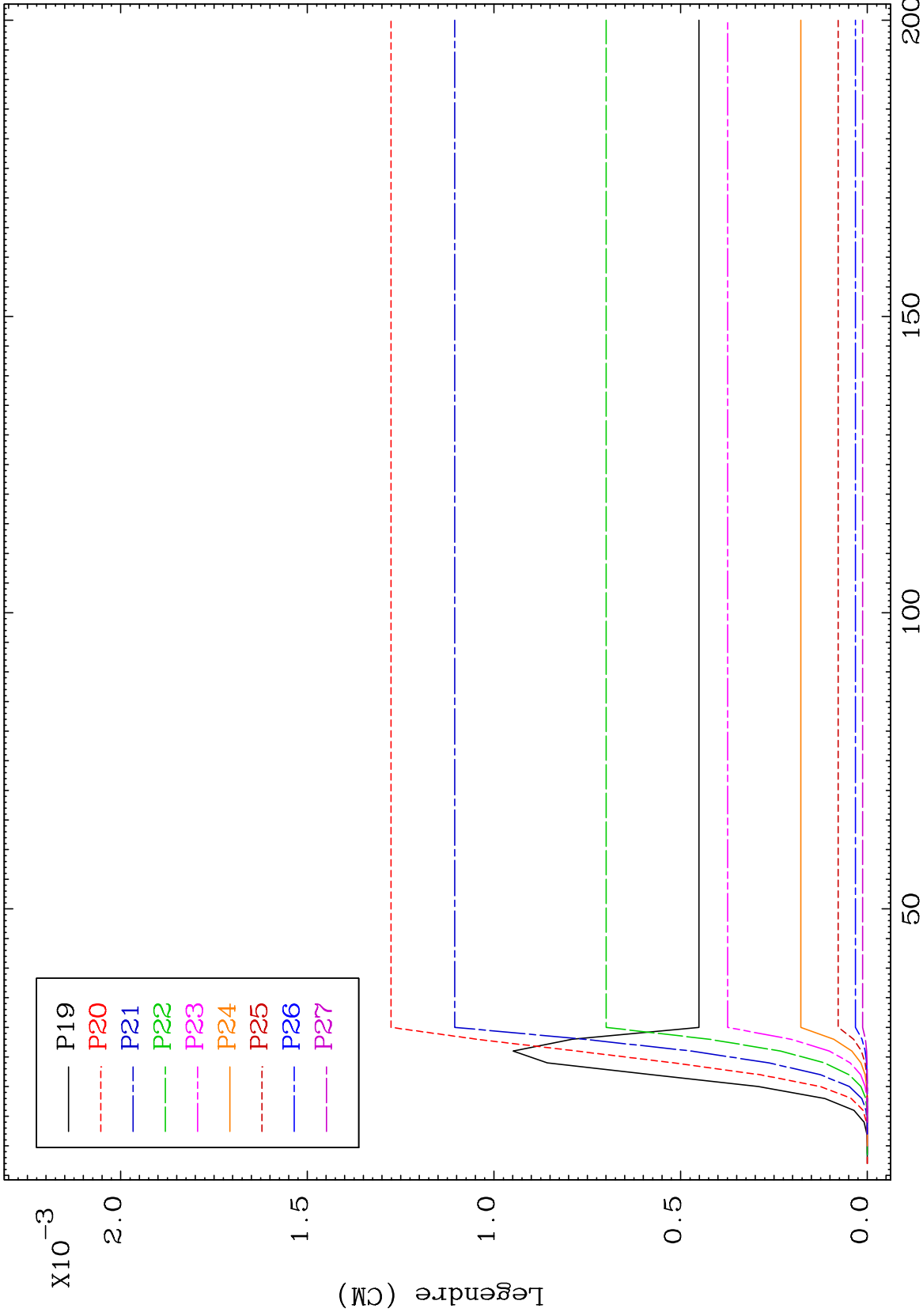


32 64-Gd-150

MAT 6419

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

64-Gd-150



33

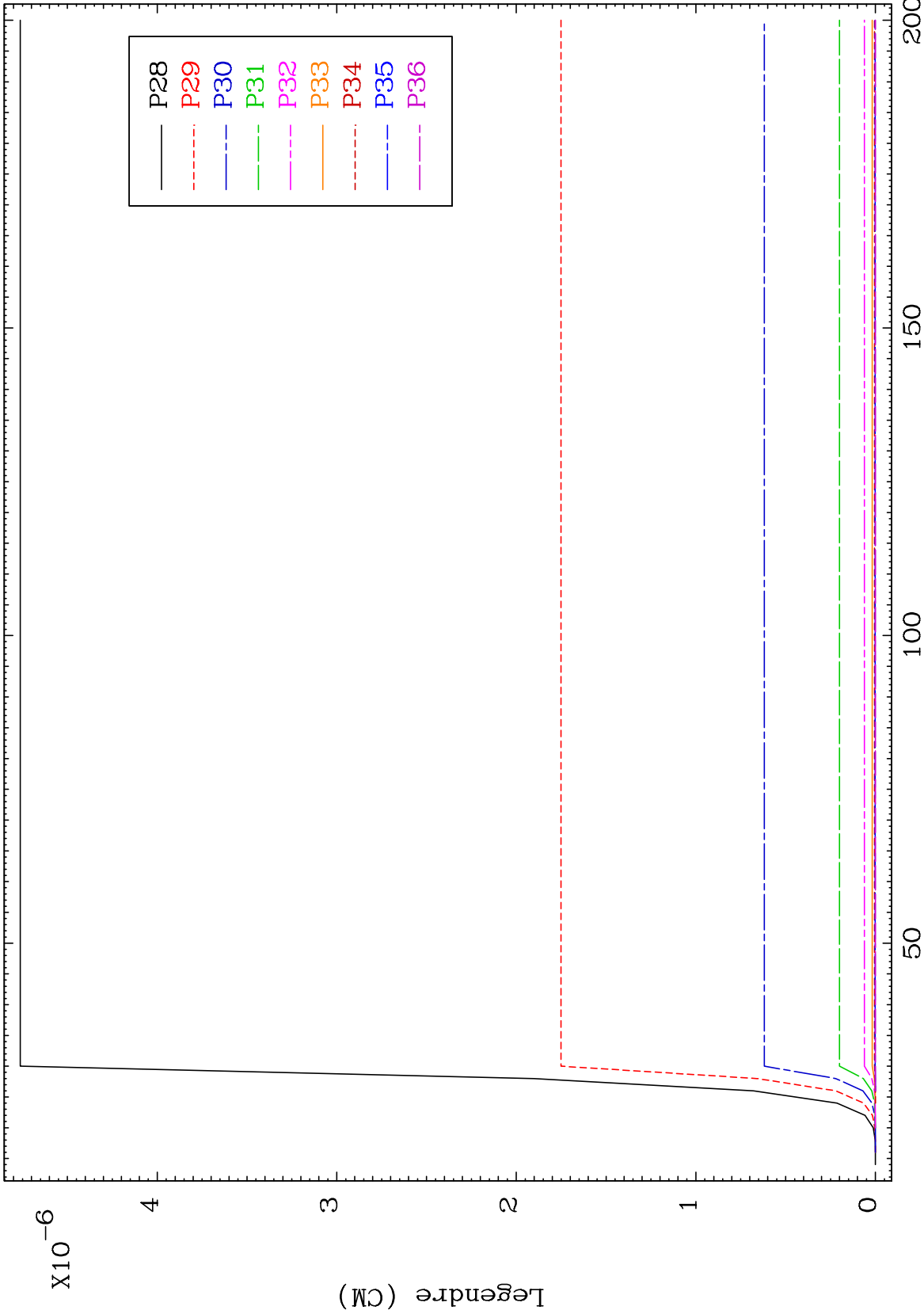
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

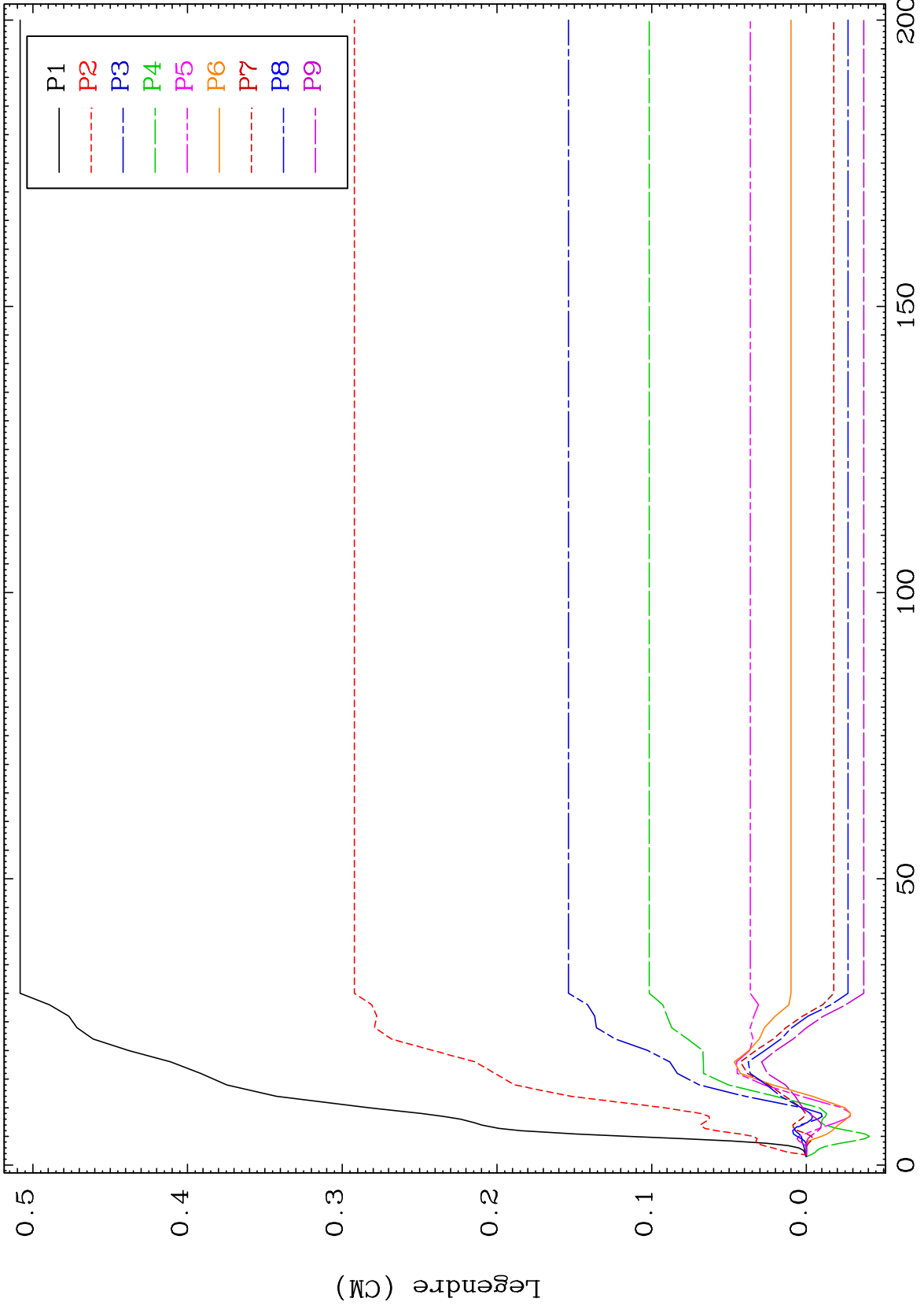
64-Gd-150



34

64-Gd-150

MAT 6419 MT= 55 (n,n') Level Legendre Coefficients 64-Gd-150

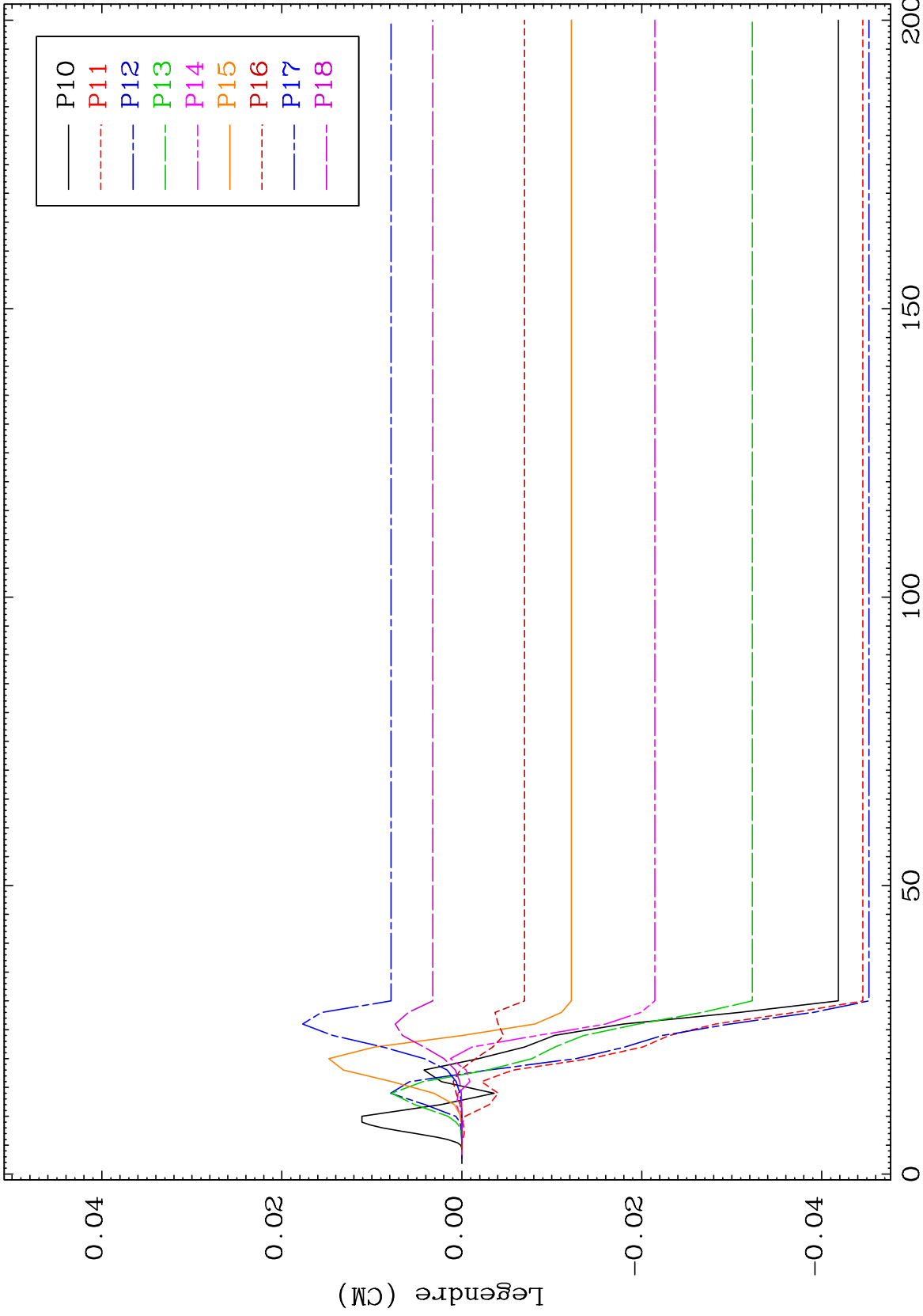


35 Incident Energy (MeV) 64-Gd-150

MAT 6419

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

64-Gd-150



36

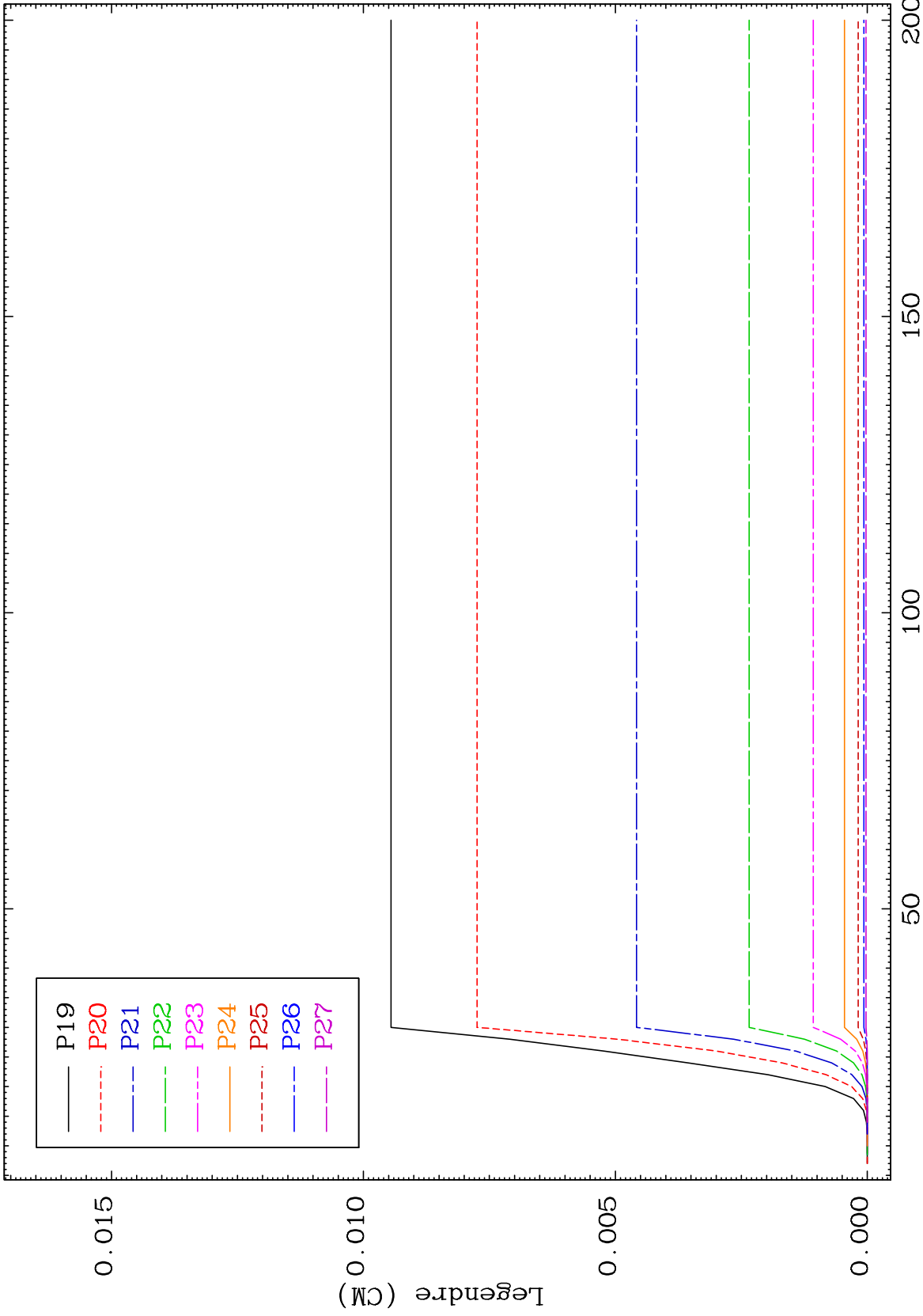
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

64-Gd-150



37

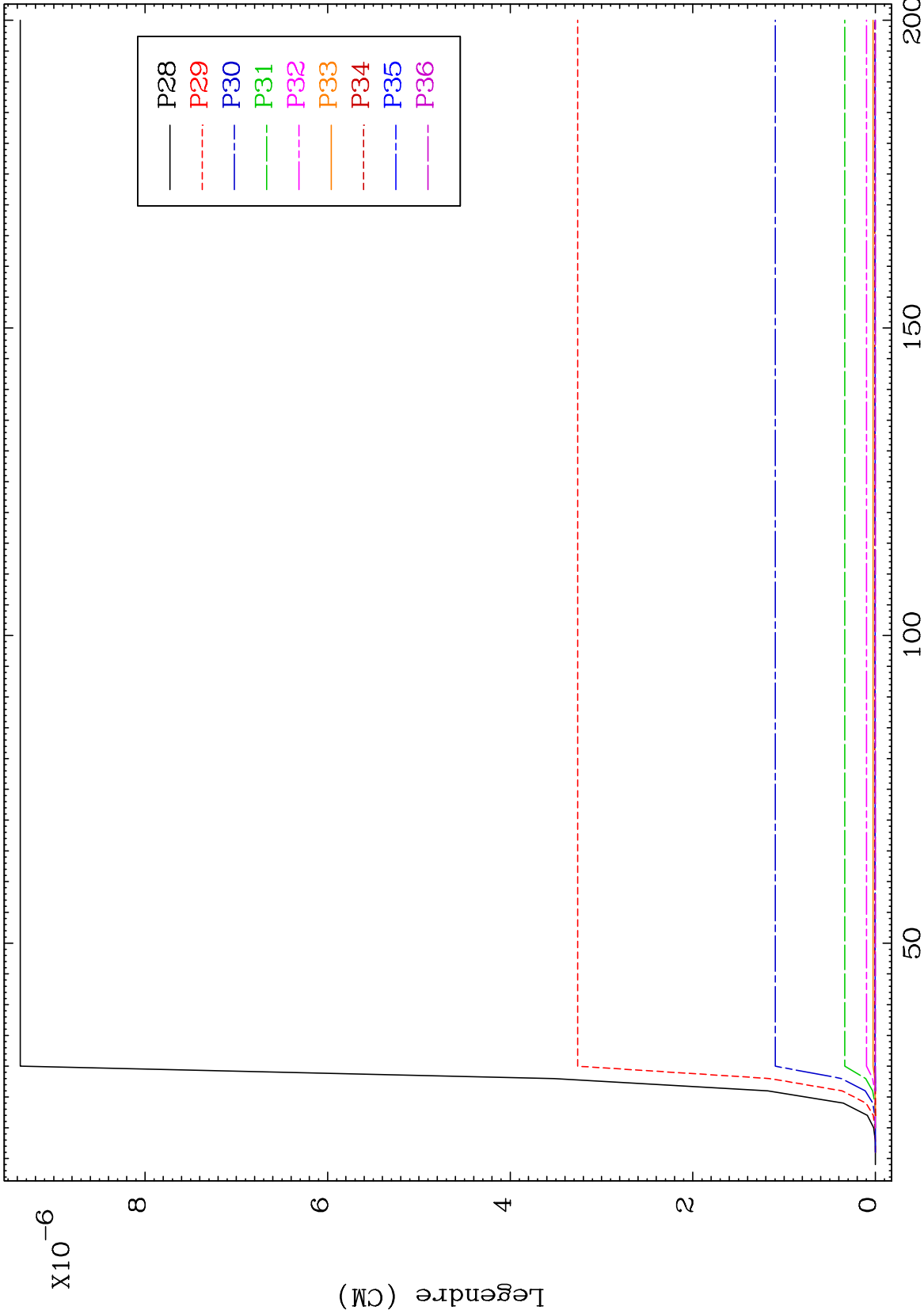
Incident Energy (MeV)

64-Gd-150

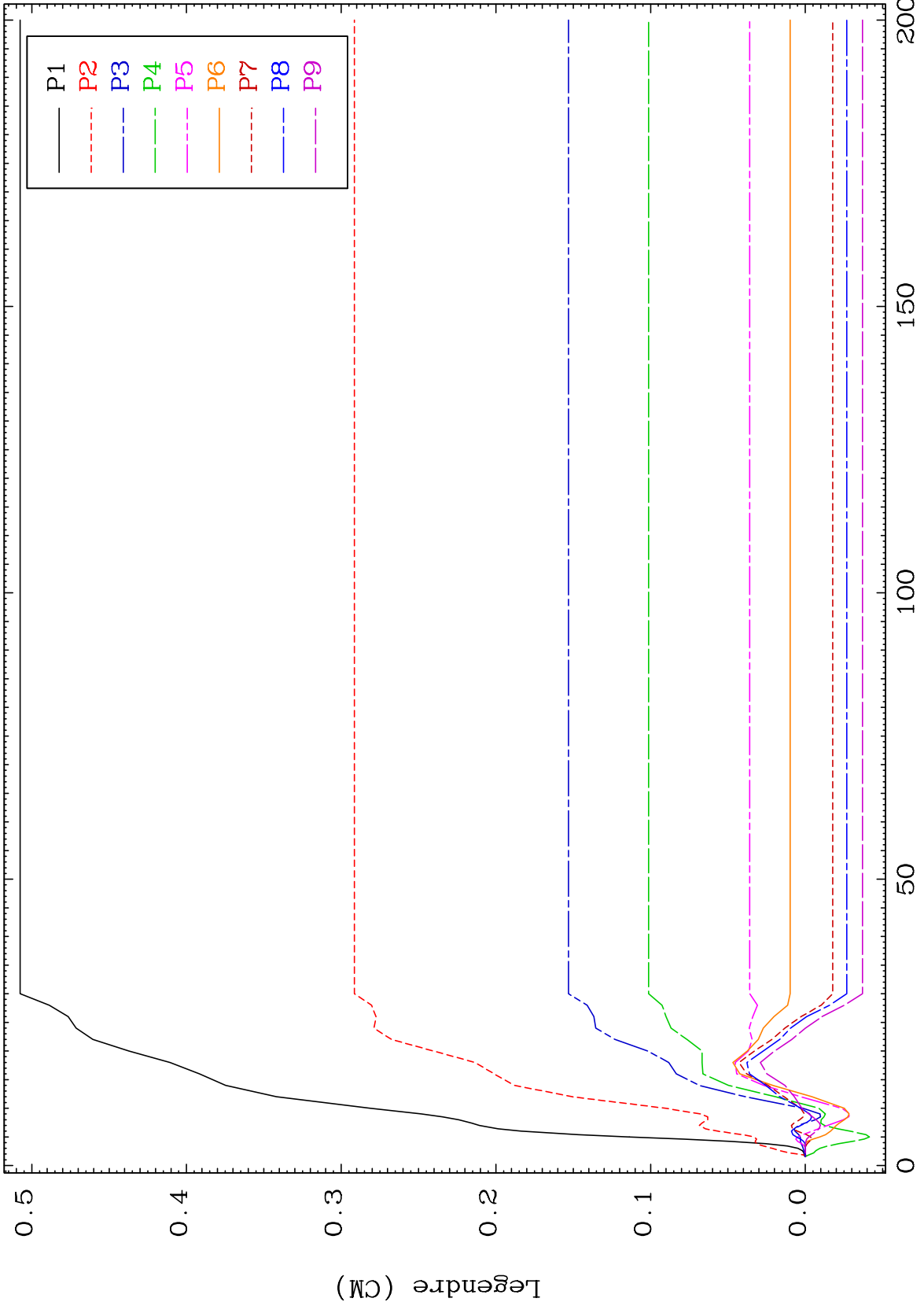
MAT 6419

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

64-Gd-150

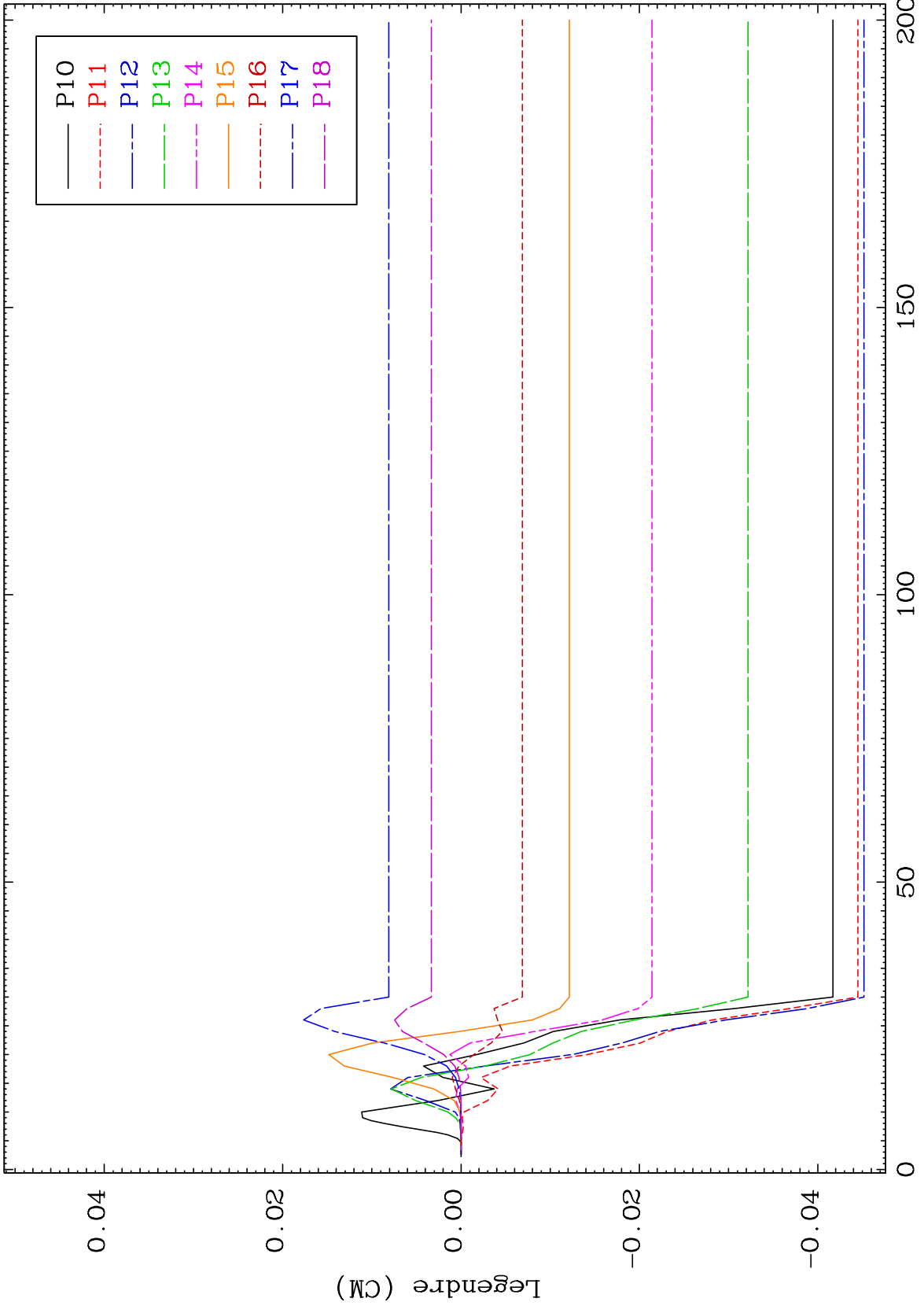


MAT 6419 MT= 56 (n,n') Level Legendre Coefficients 64-Gd-150



39 64-Gd-150

MAT 6419 MT= 56 (n,n') Level Legendre Coefficients 64-Gd-150

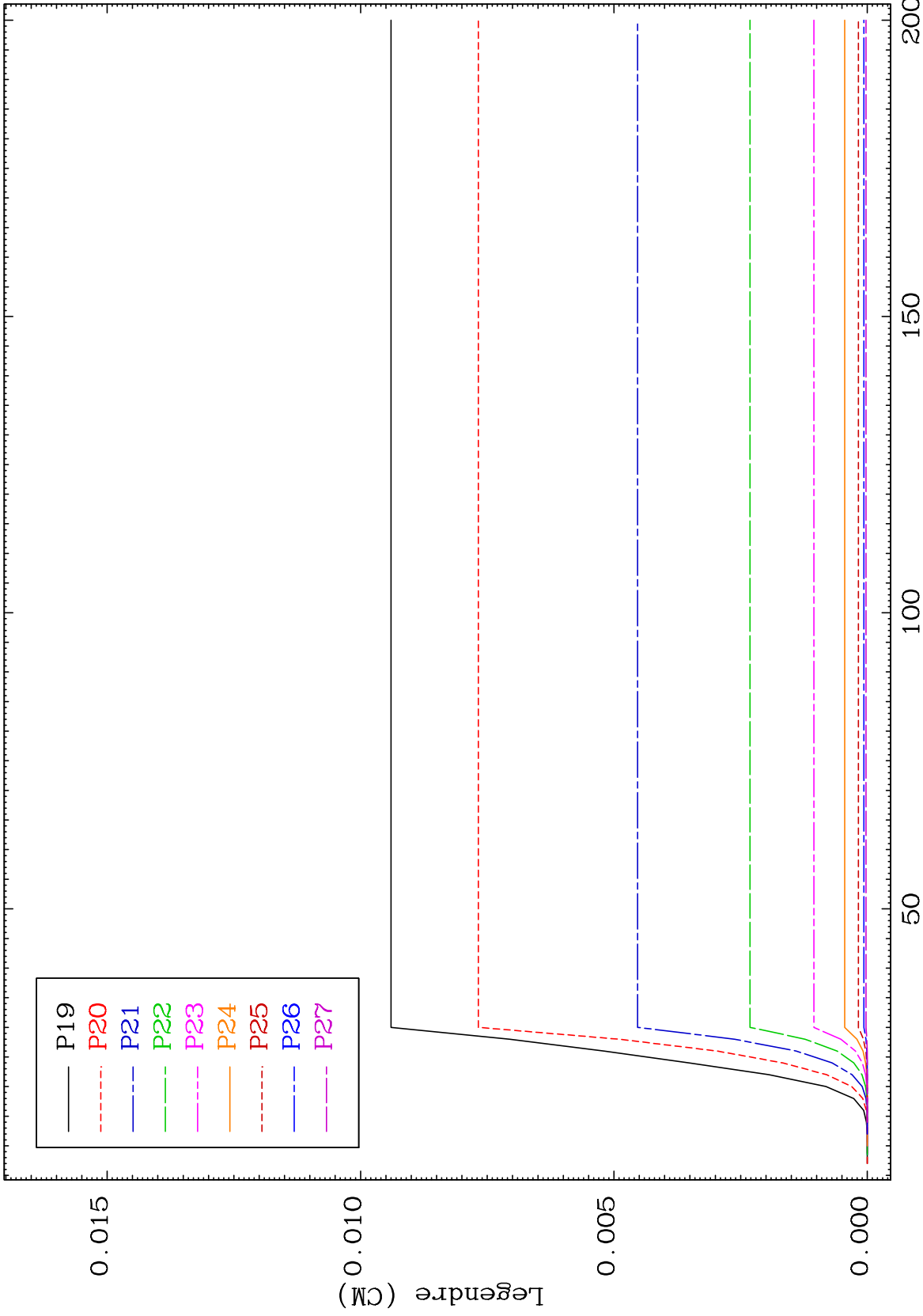


64-Gd-150

MAT 6419

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

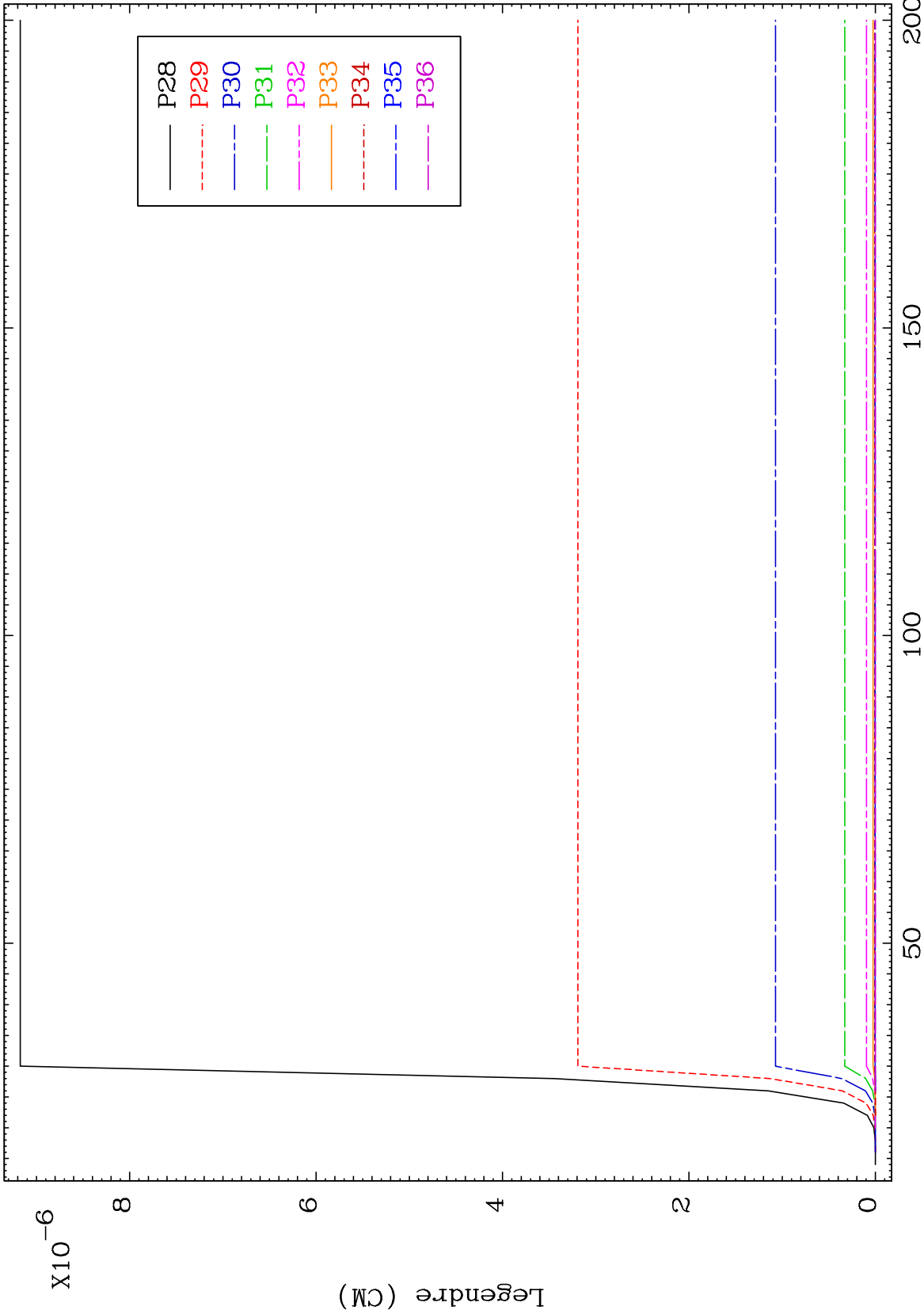
64-Gd-150



MAT 6419

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

64-Gd-150

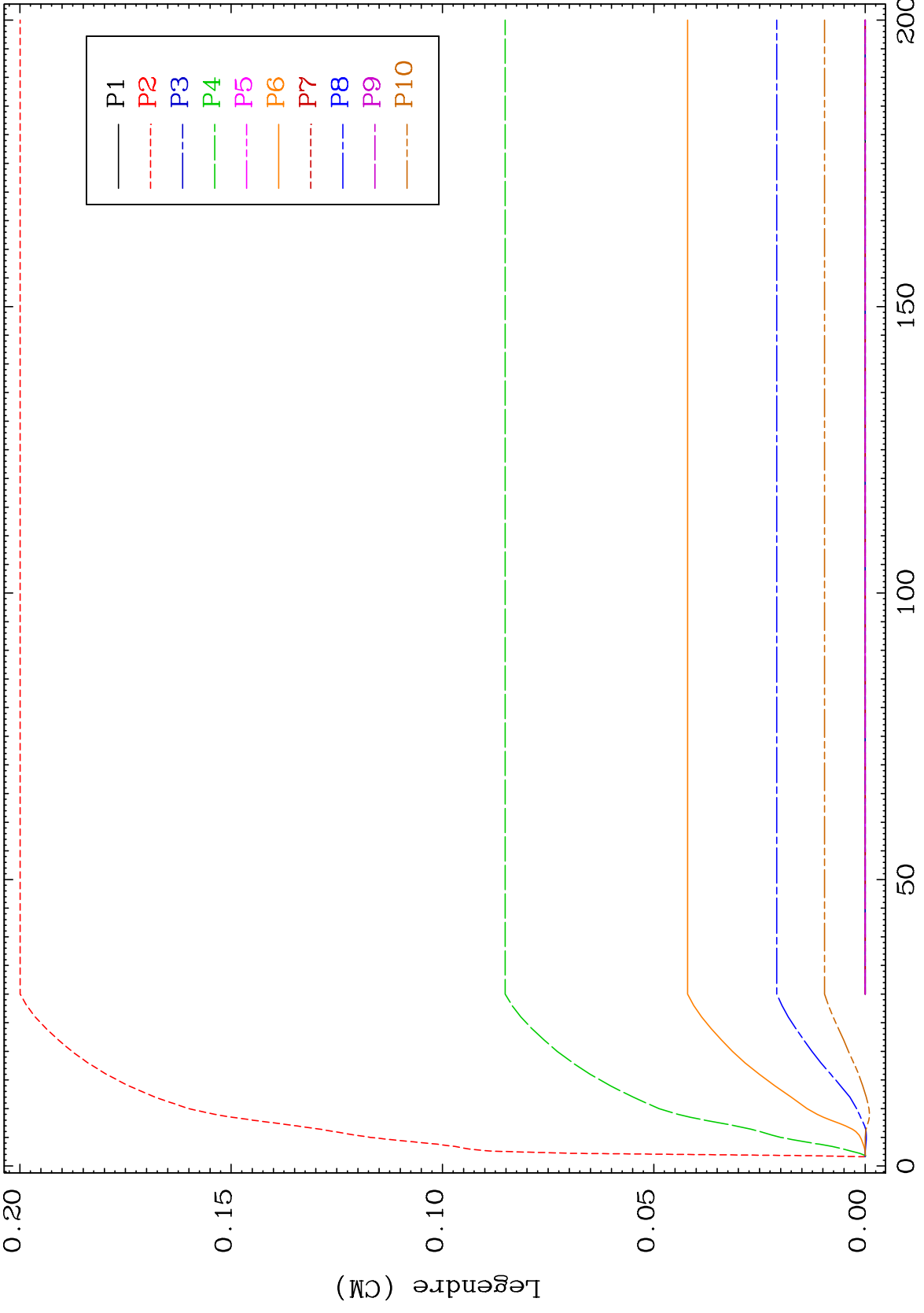


42

Incident Energy (MeV)

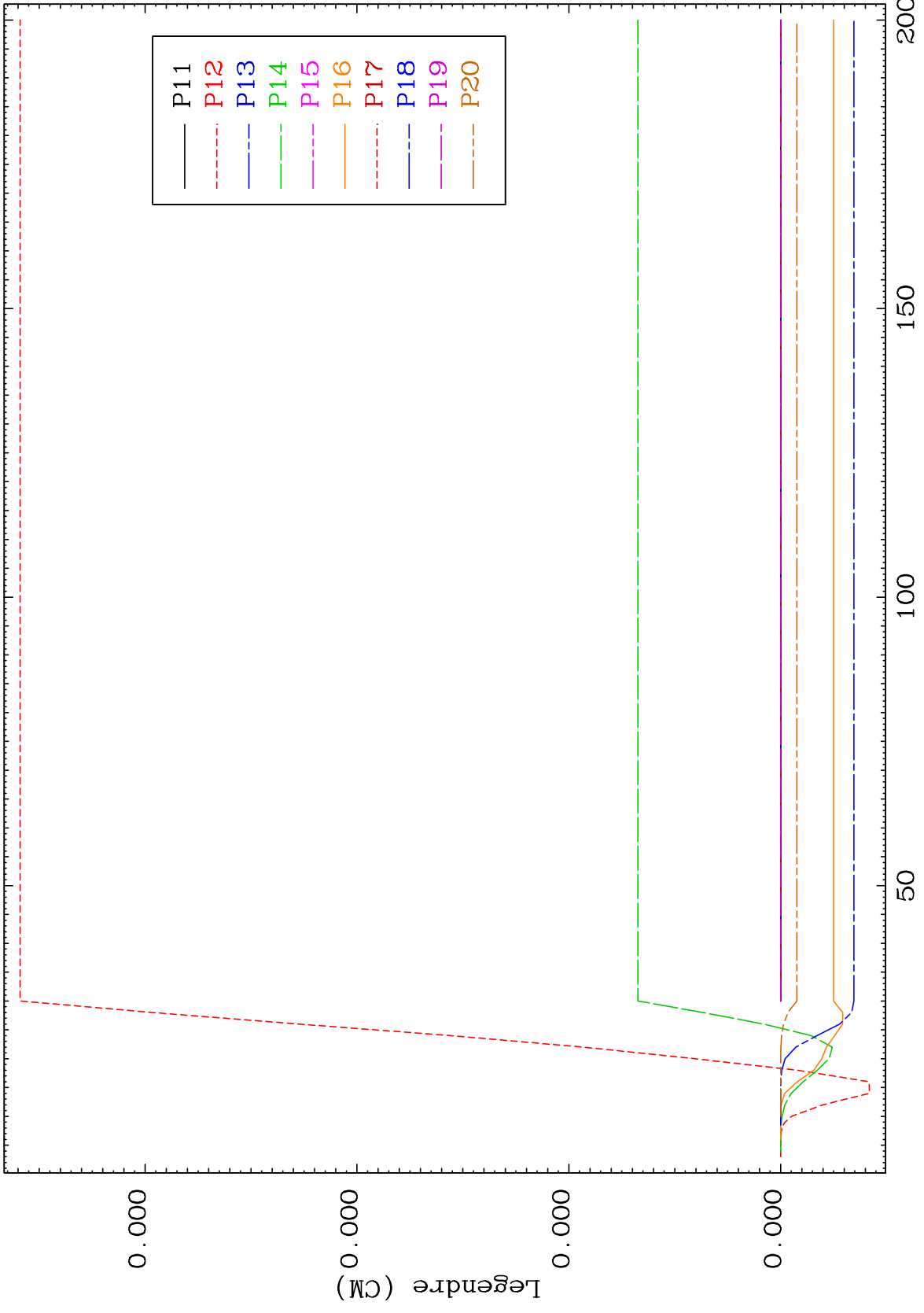
64-Gd-150

MAT 6419 MT= 57 (n,n') Level Legendre Coefficients 64-Gd-150

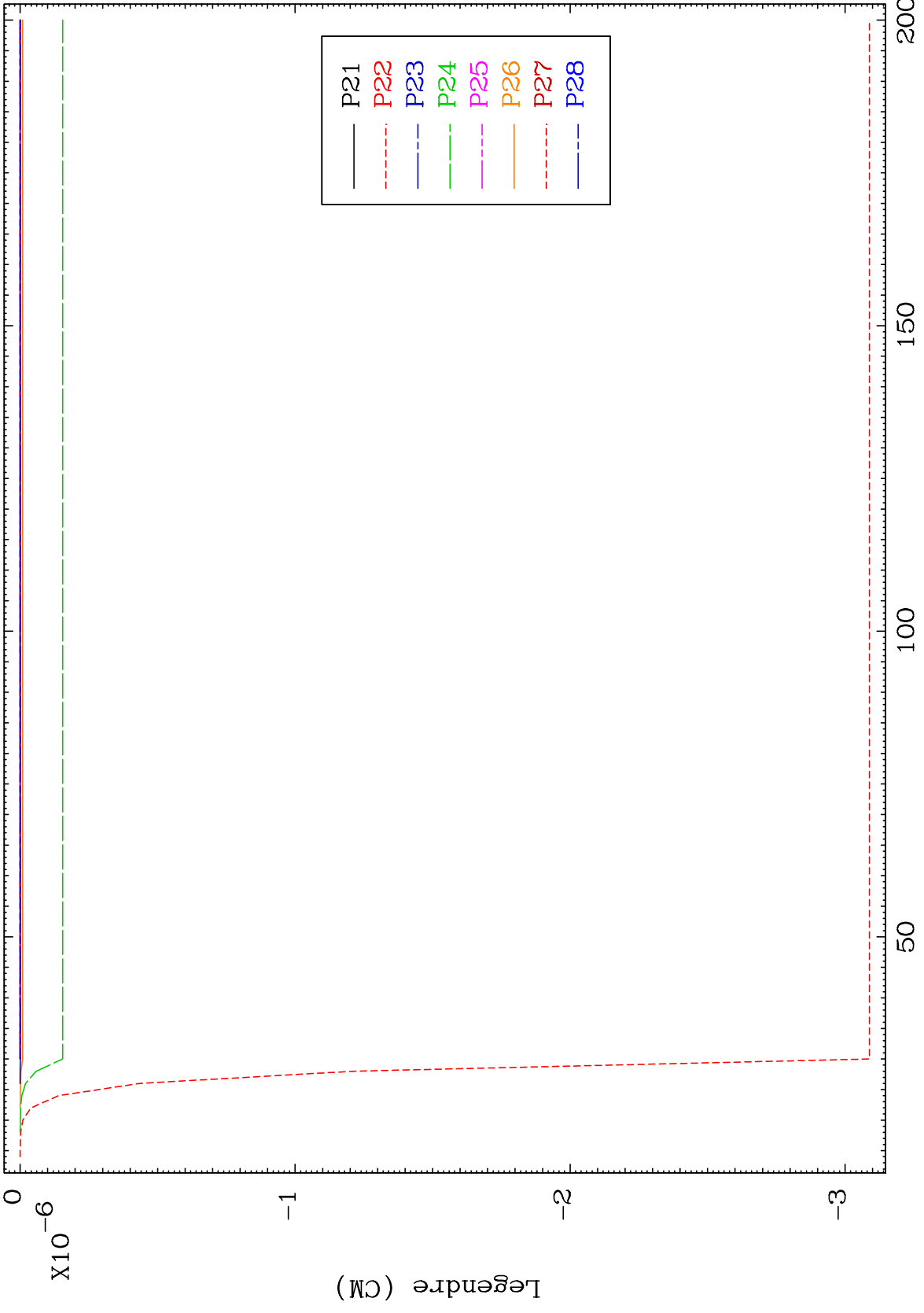


43 64-Gd-150

MAT 6419 MT= 57 (n,n') Level Legendre Coefficients 64-Gd-150

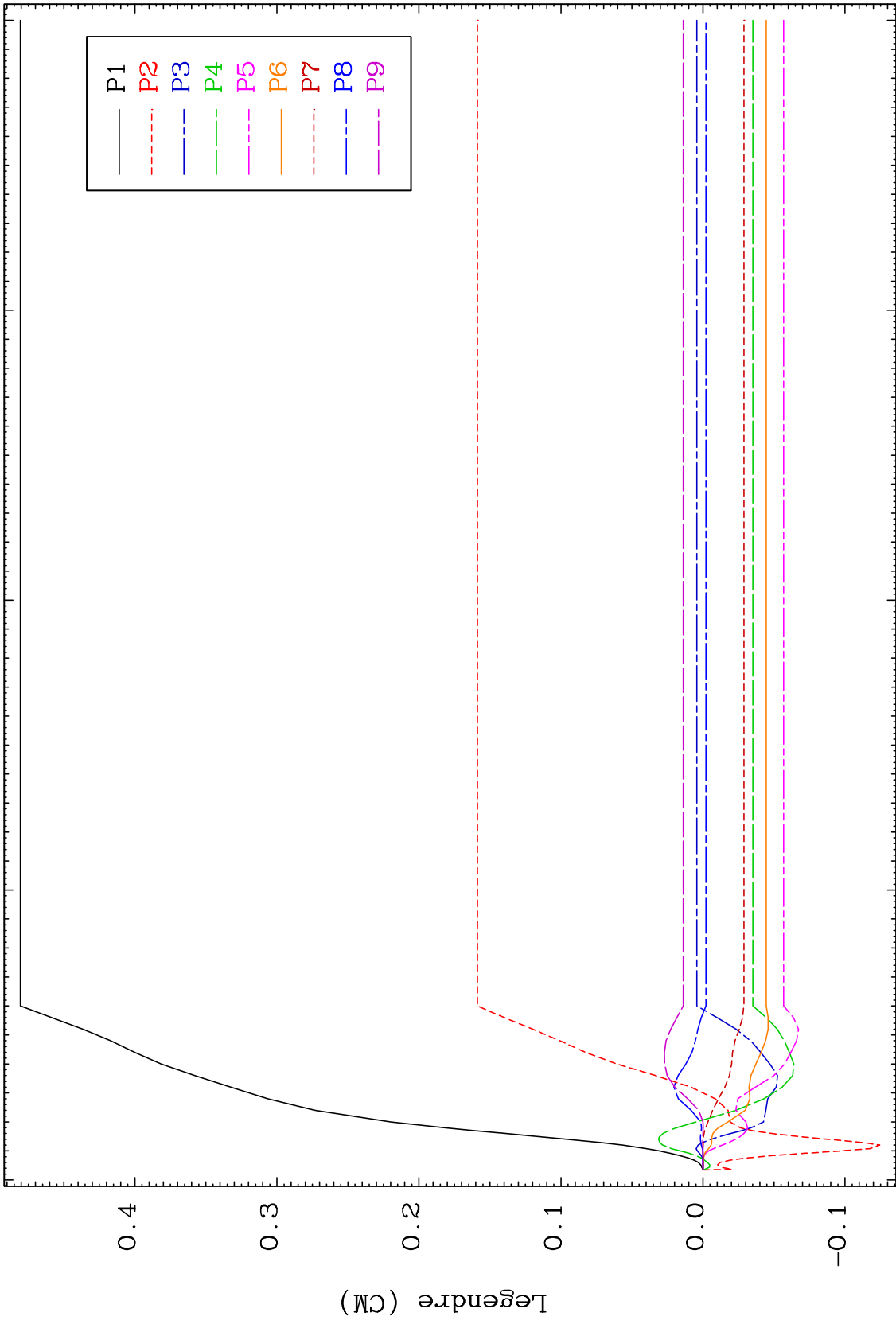


MAT 6419 MT= 57 (n,n') Level Legendre Coefficients 64-Gd-150



45 Incident Energy (MeV) 64-Gd-150

MAT 6419 MT= 58 (n,n') Level Legendre Coefficients 64-Gd-150

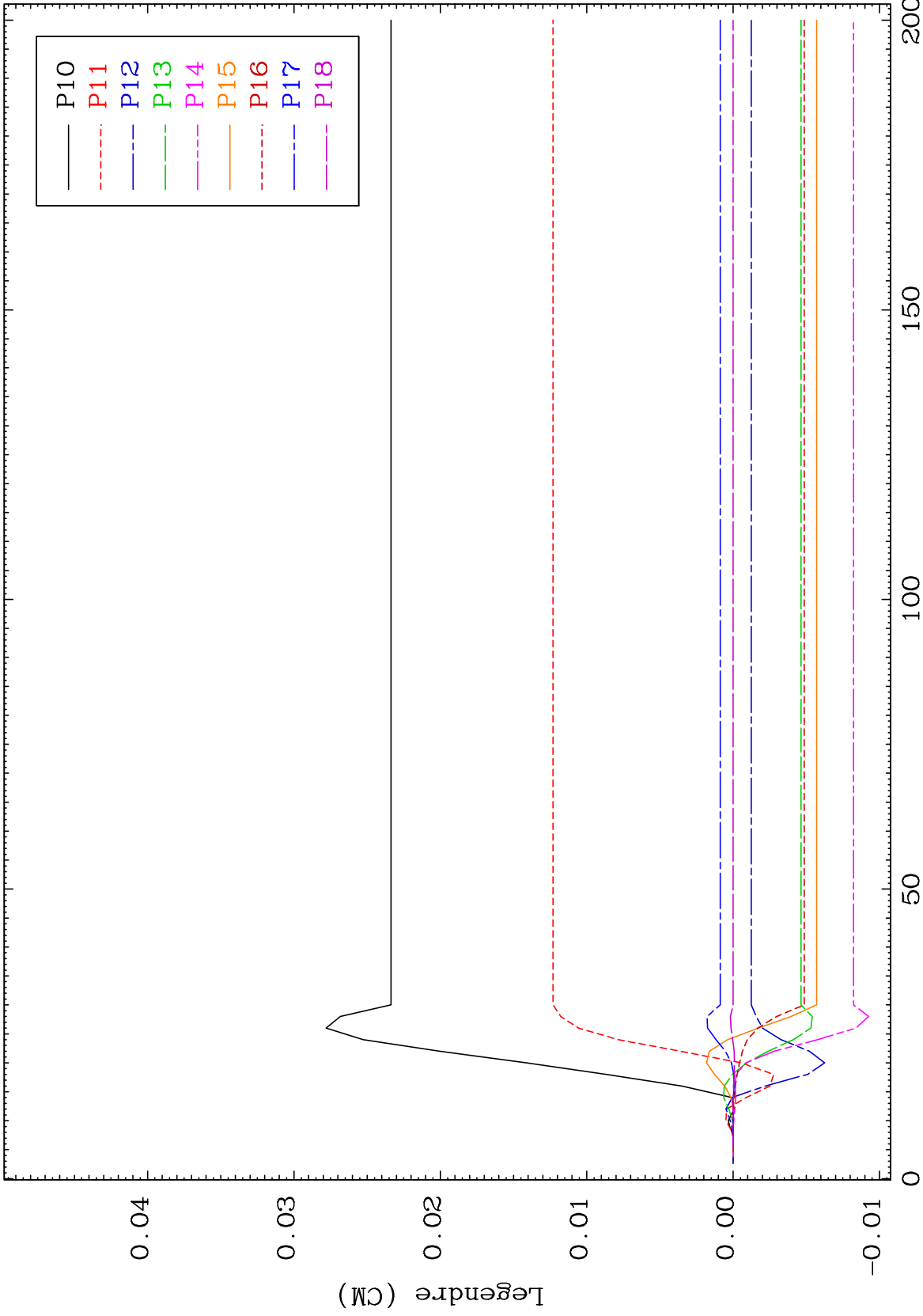


Legendre (CM) Incident Energy (MeV) 64-Gd-150

MAT 6419

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

64-Gd-150



47

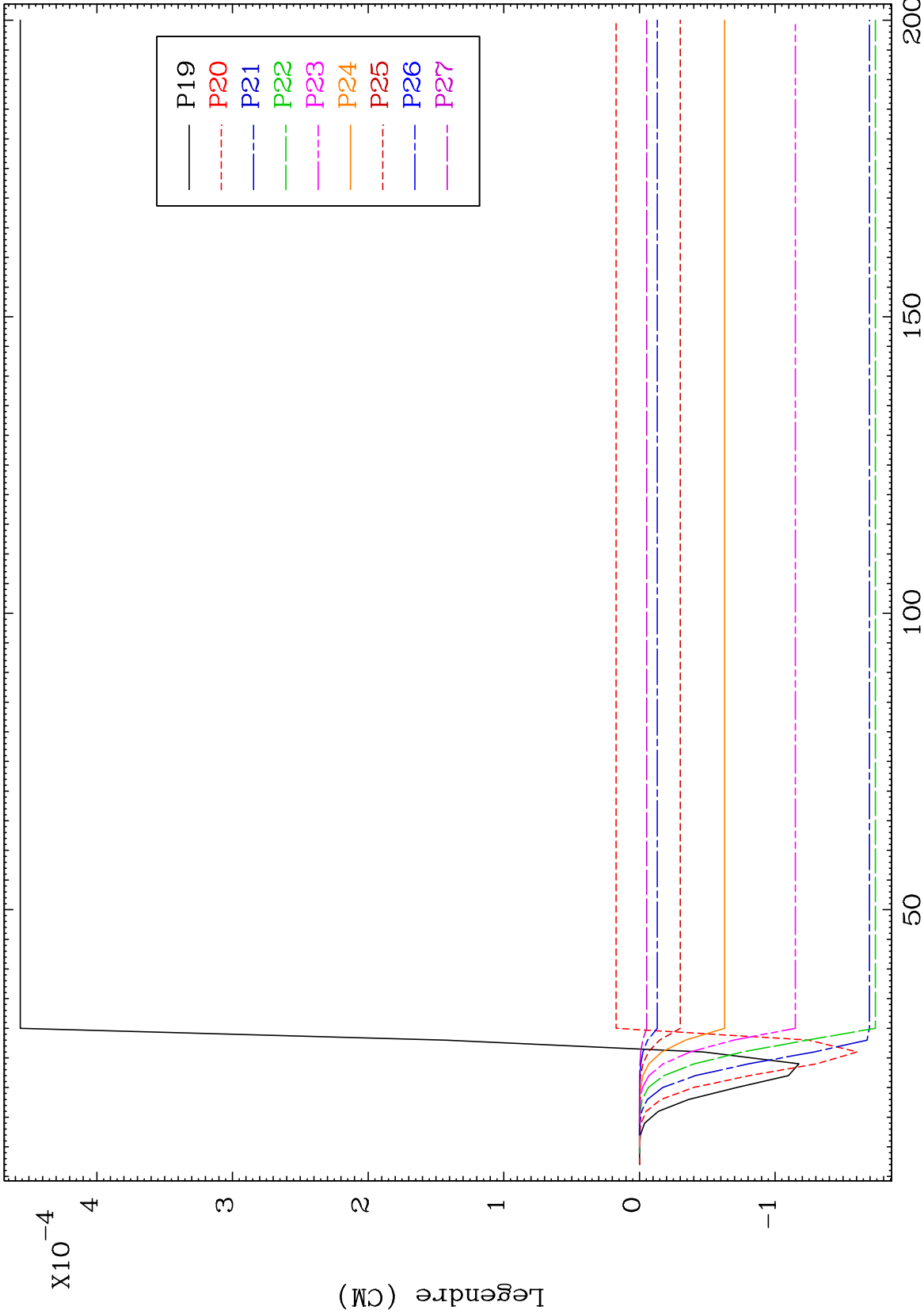
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

64-Gd-150



48

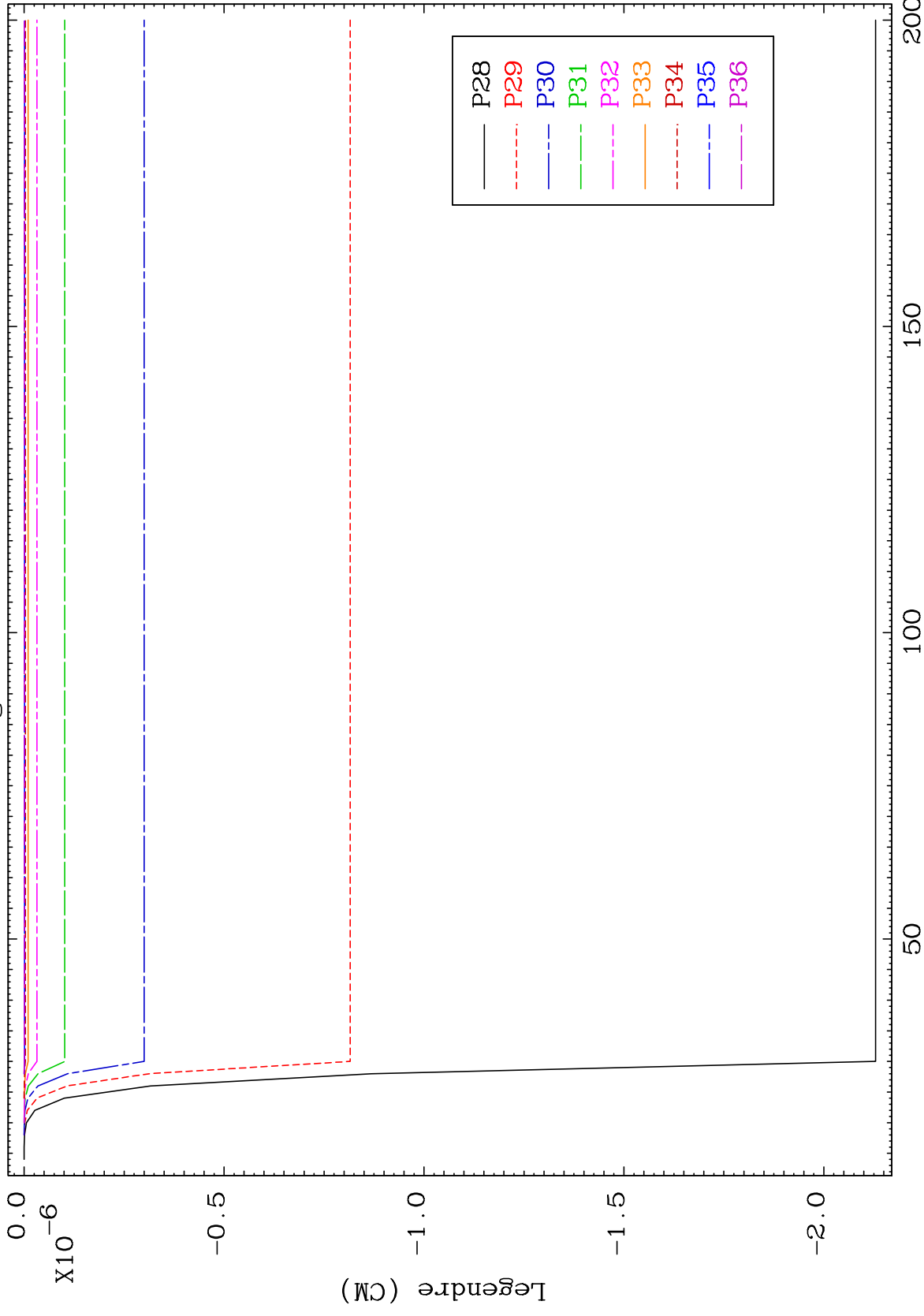
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

64-Gd-150



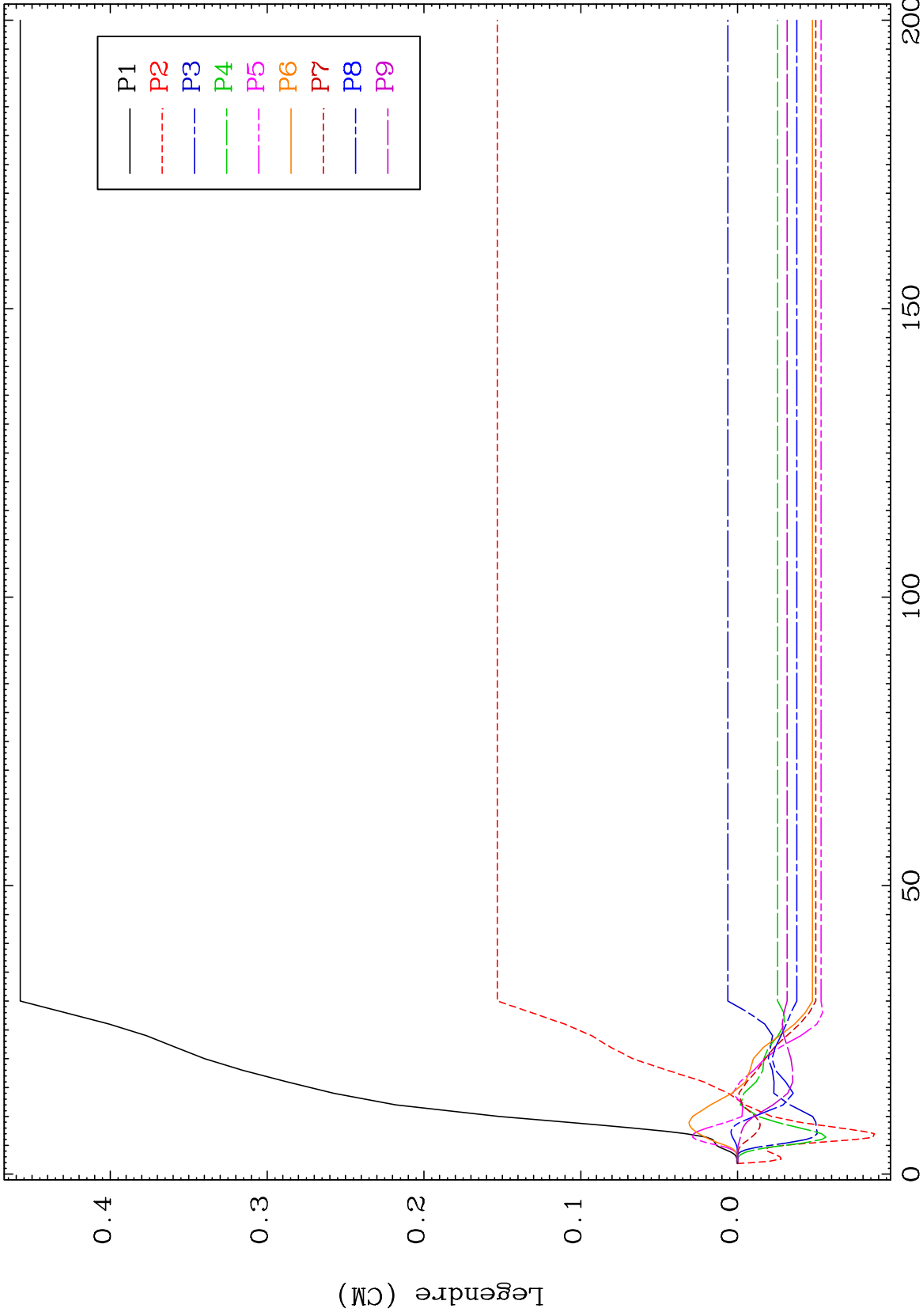
49

64-Gd-150

MAT 6419

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

64-Gd-150



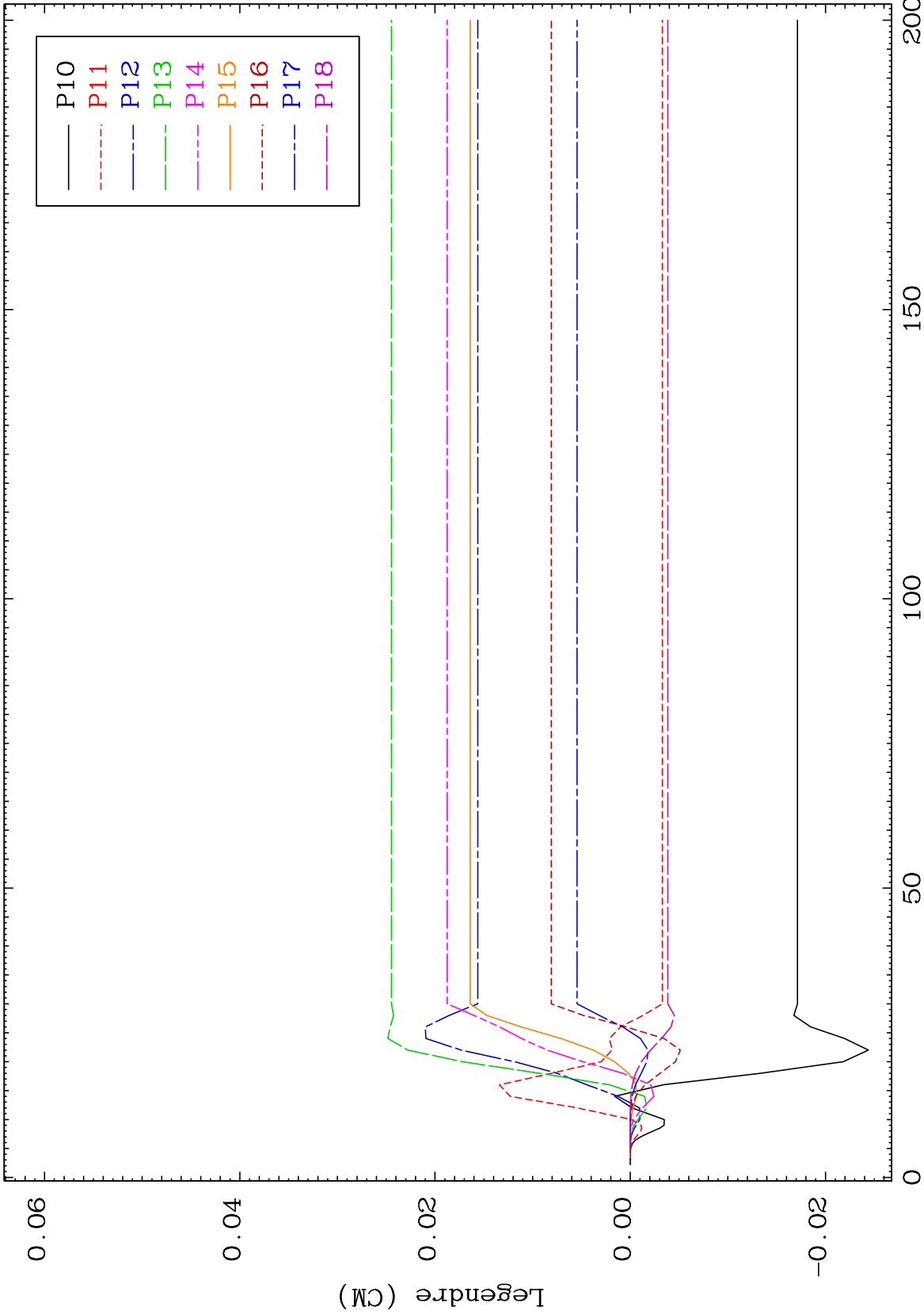
64-Gd-150

Incident Energy (MeV)

MAT 6419

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

64-Gd-150



51

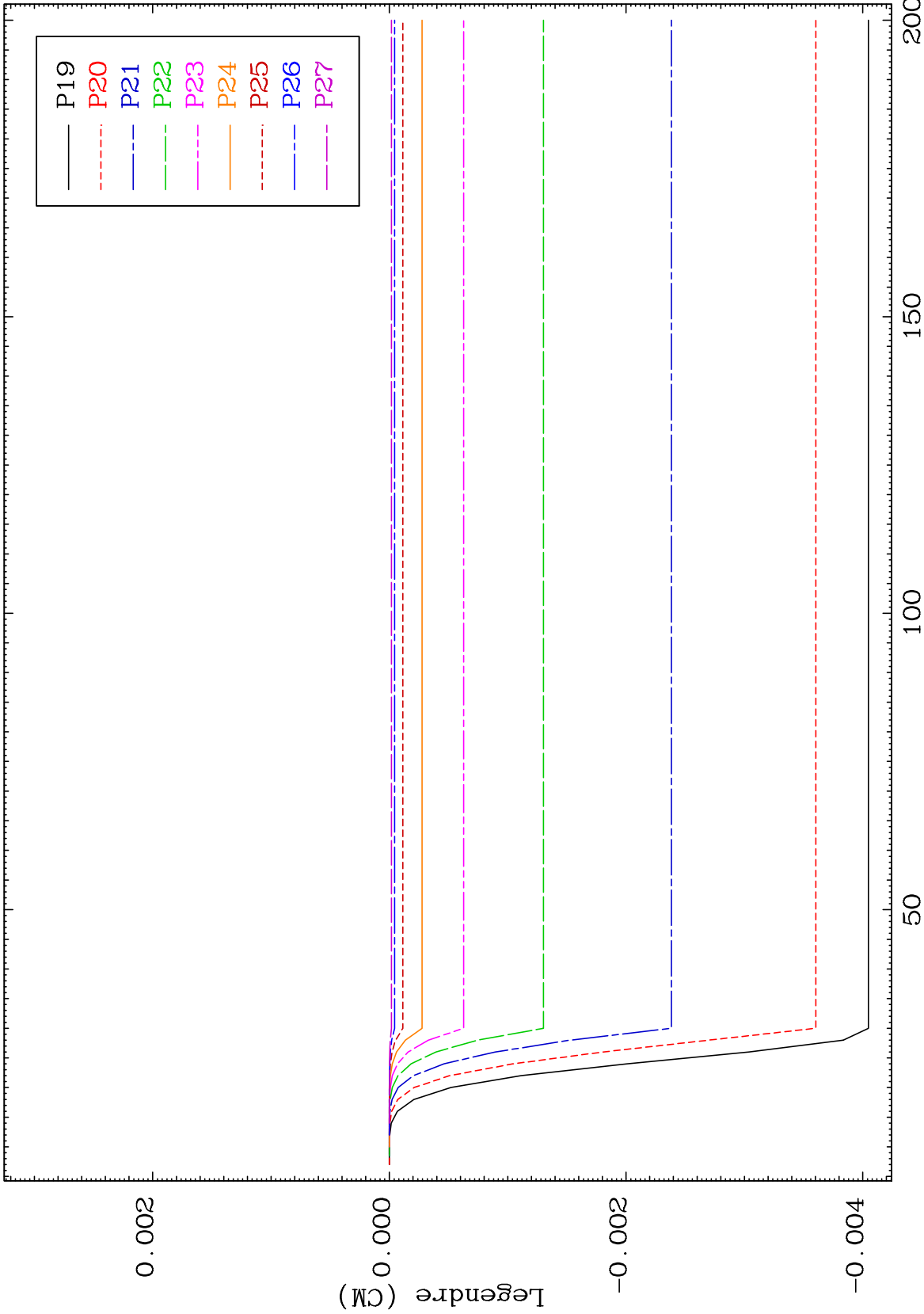
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

64-Gd-150



52

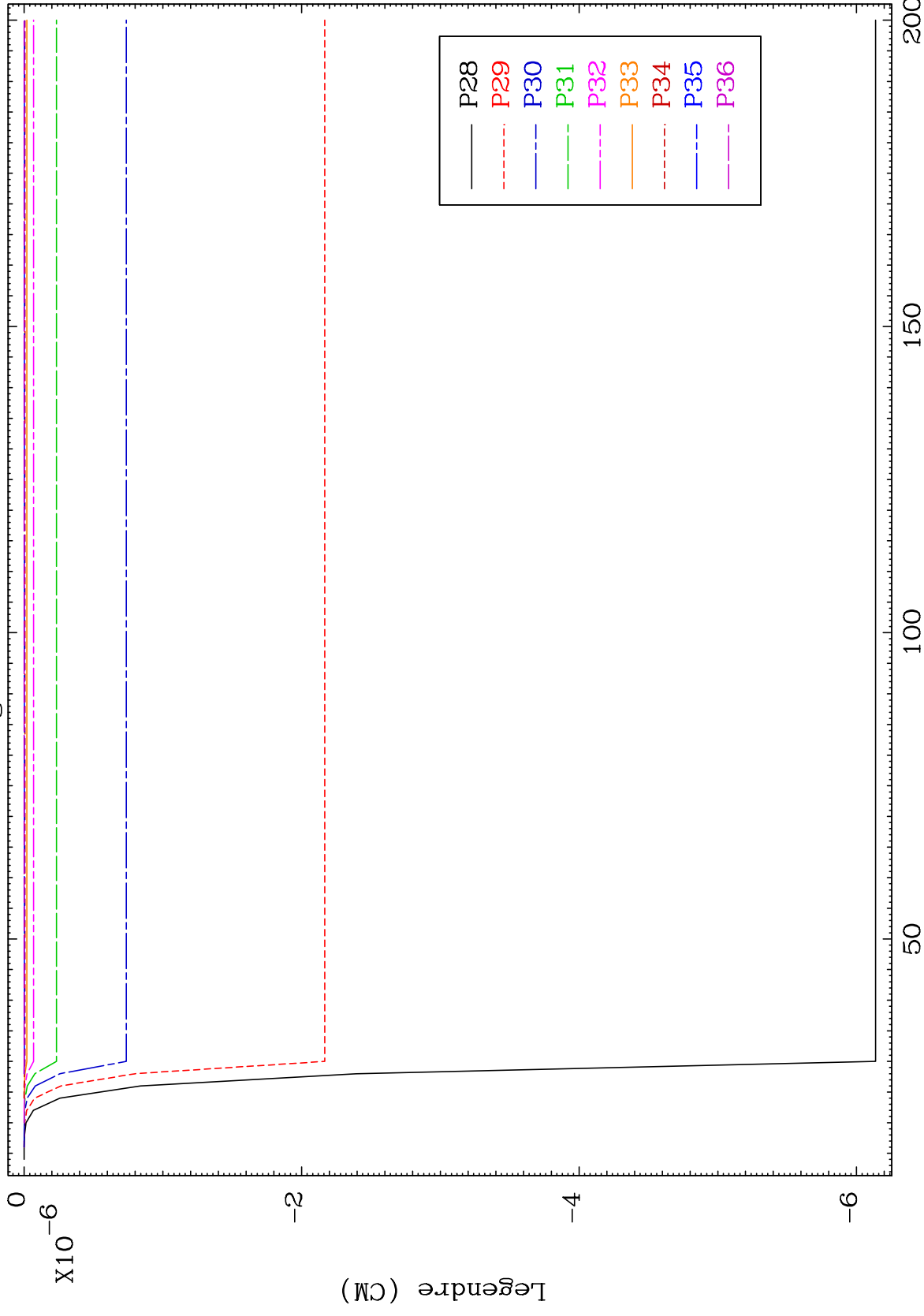
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

64-Gd-150

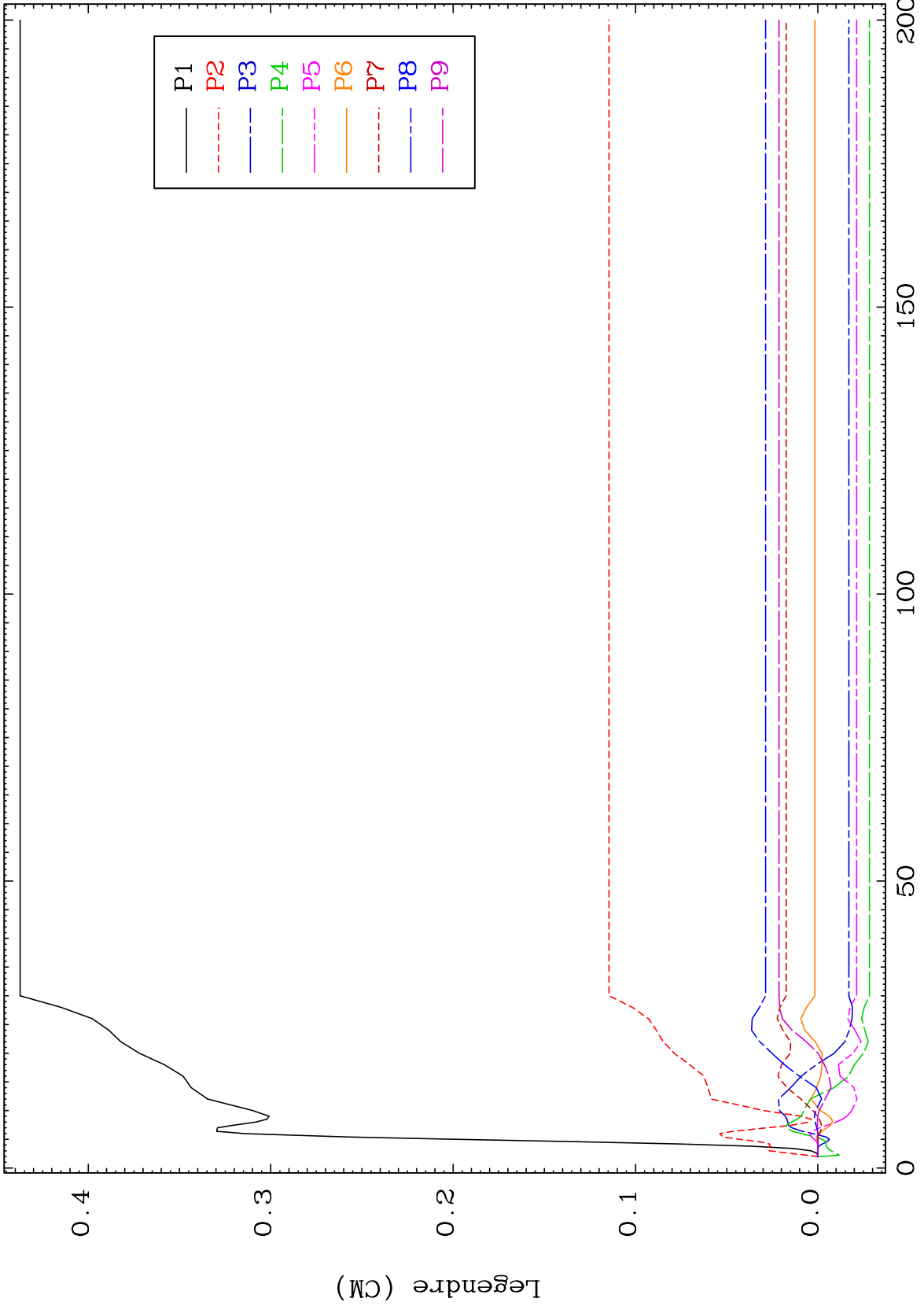


64-Gd-150

Incident Energy (MeV)

53

MAT 6419 MT= 60 (n,n') Level Legendre Coefficients 64-Gd-150

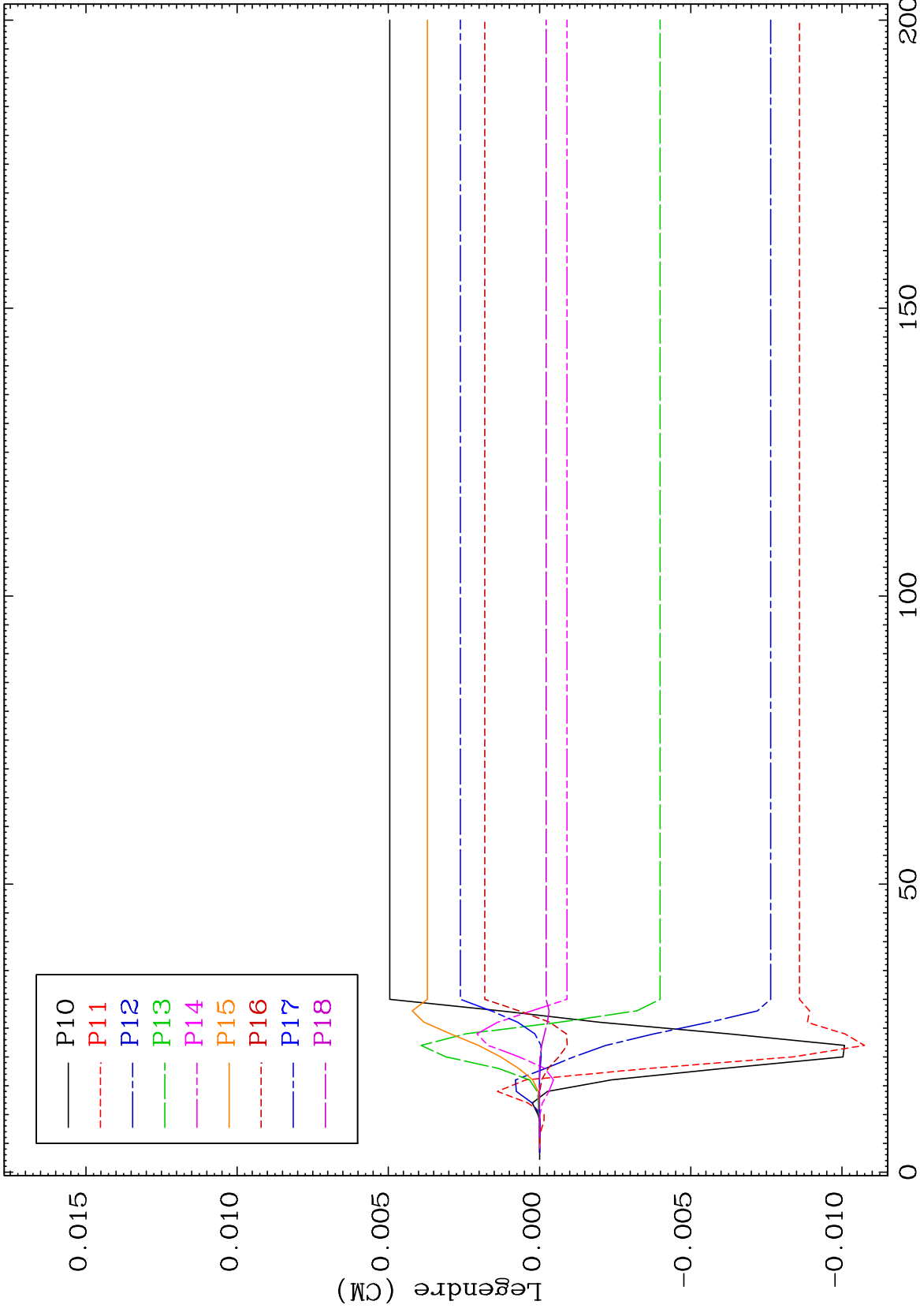


54 64-Gd-150

MAT 6419

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

64-Gd-150



55

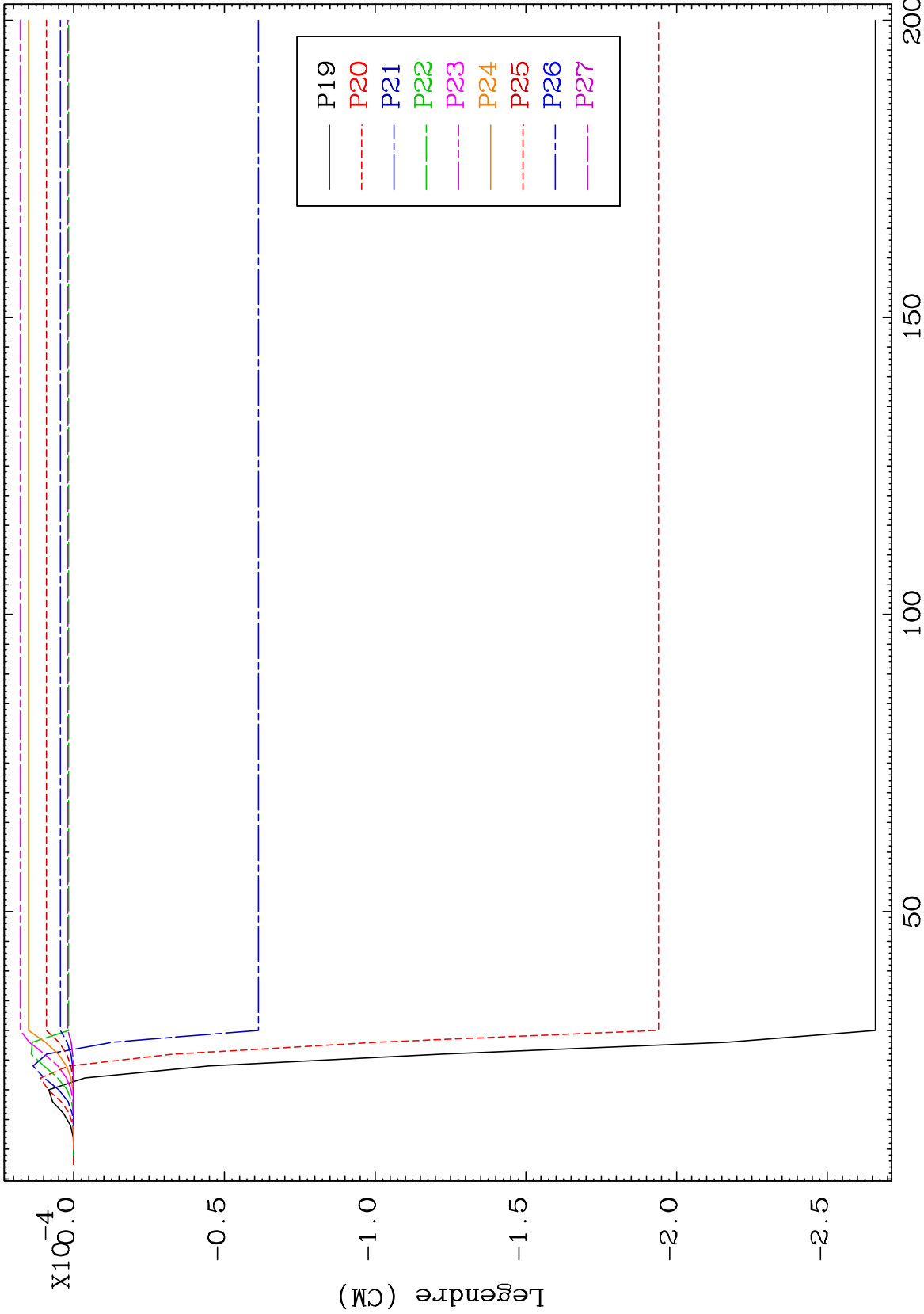
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

64-Gd-150



64-Gd-150

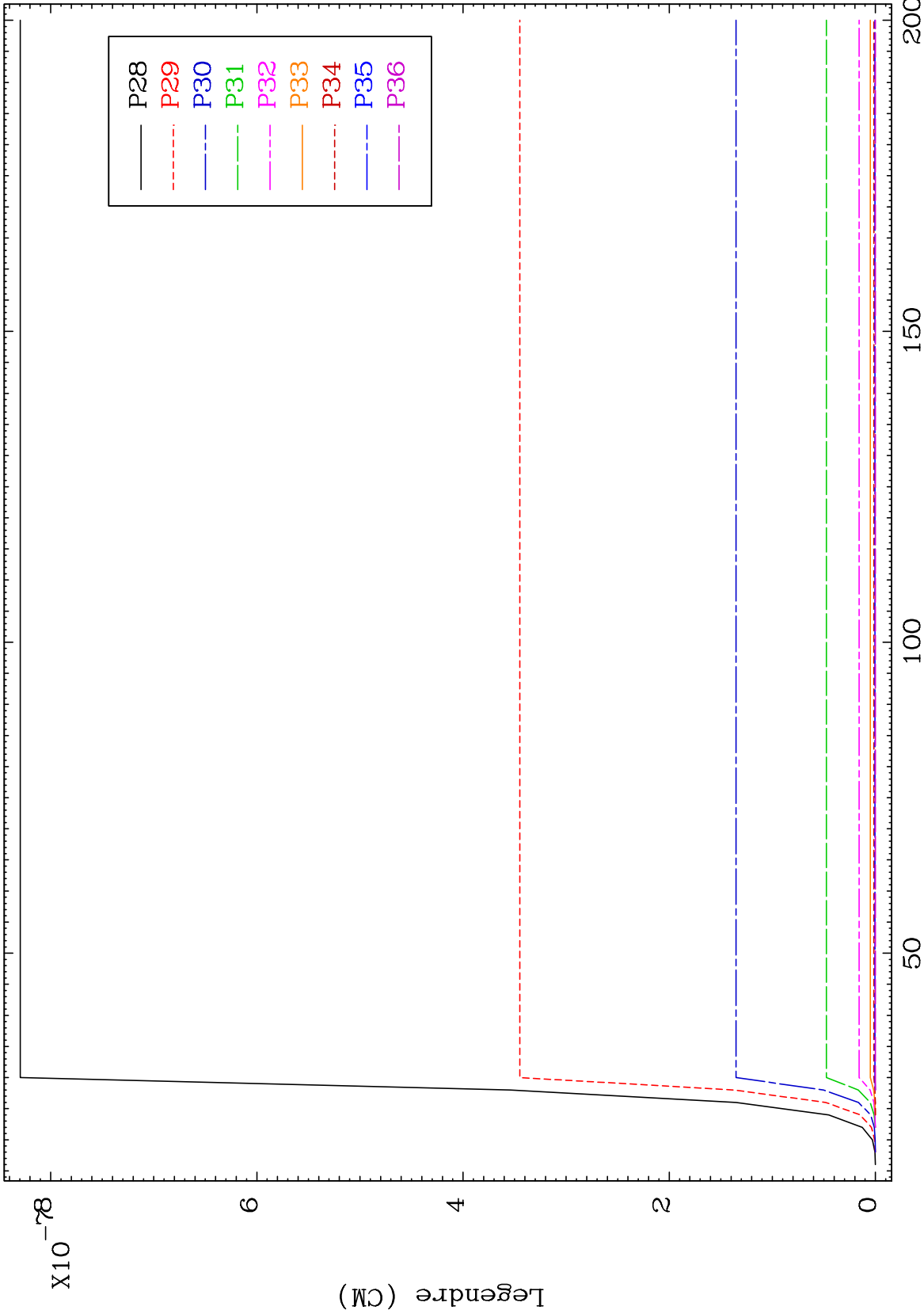
Incident Energy (MeV)

56

MAT 6419

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

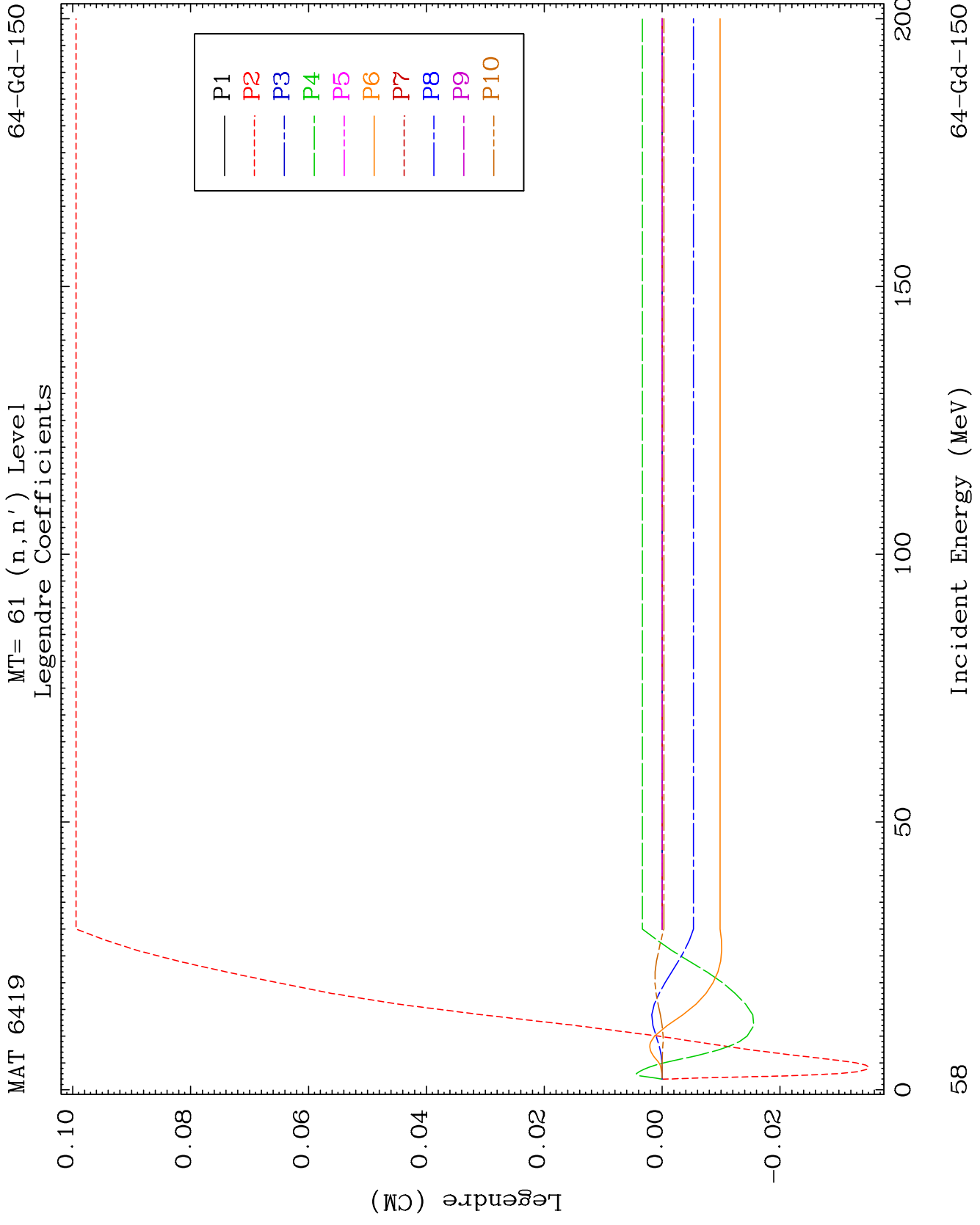
64-Gd-150



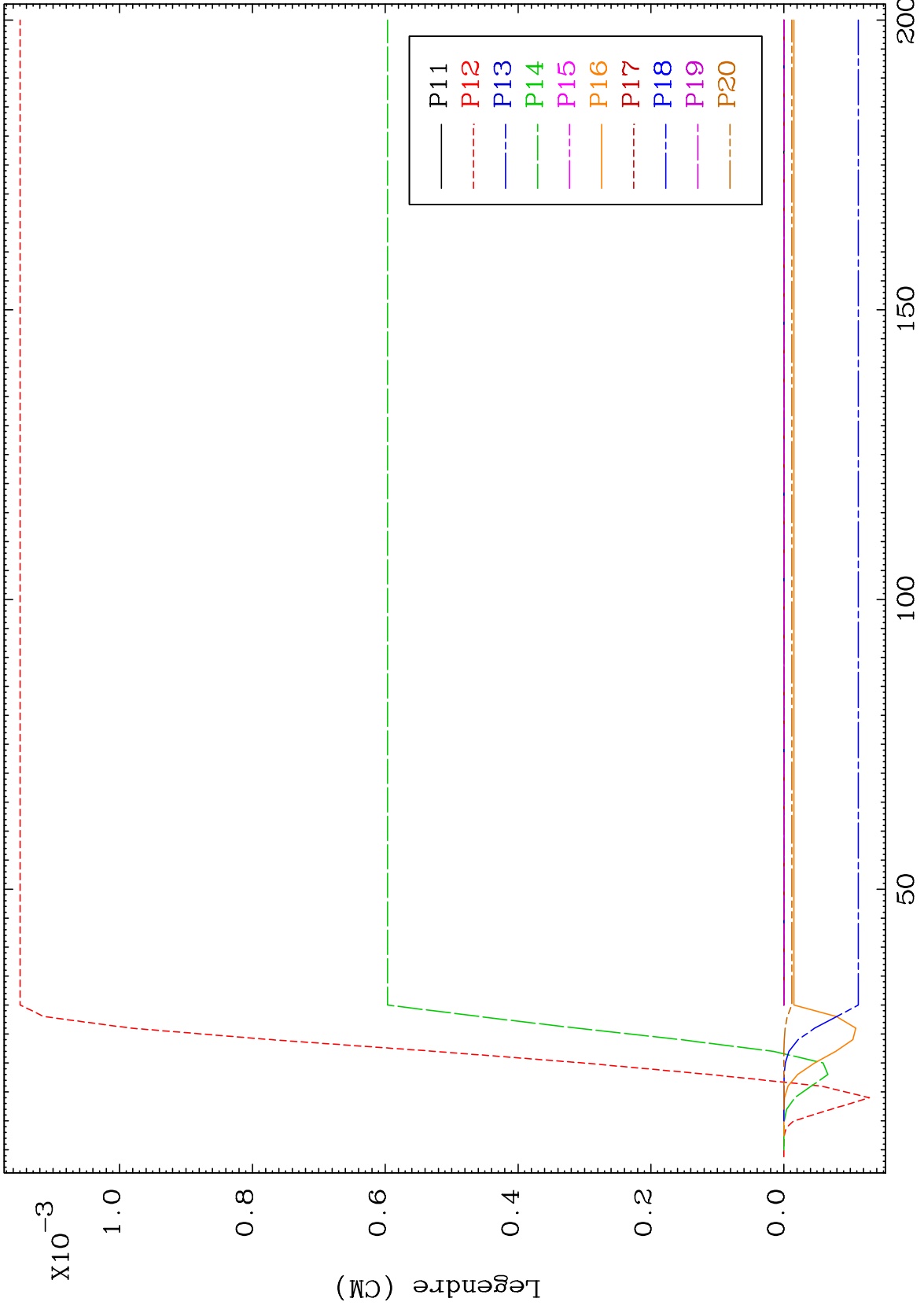
57

Incident Energy (MeV)

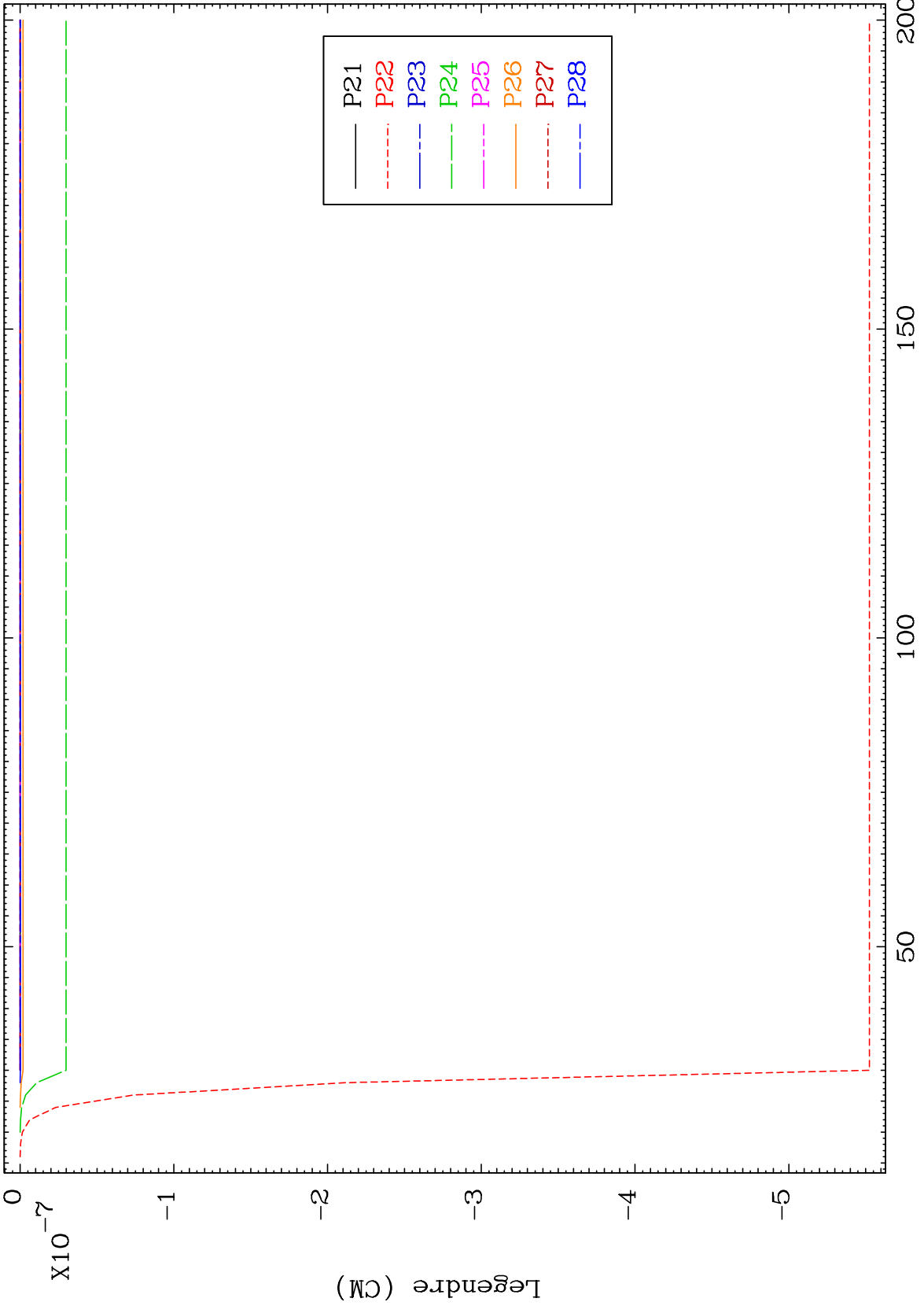
64-Gd-150



MAT 6419 MT= 61 (n,n') Level Legendre Coefficients 64-Gd-150

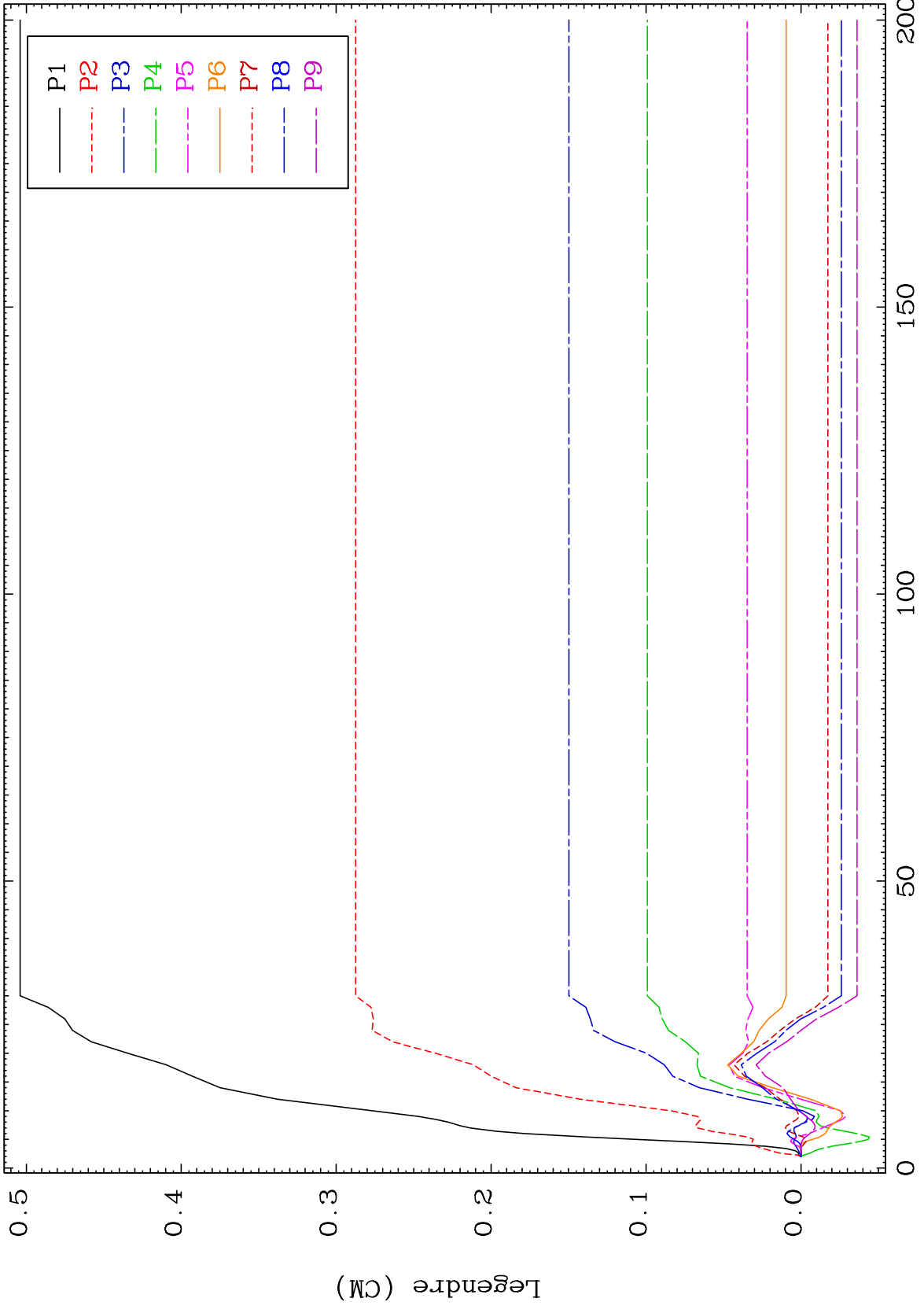


MAT 6419 MT= 61 (n,n') Level Legendre Coefficients 64-Gd-150



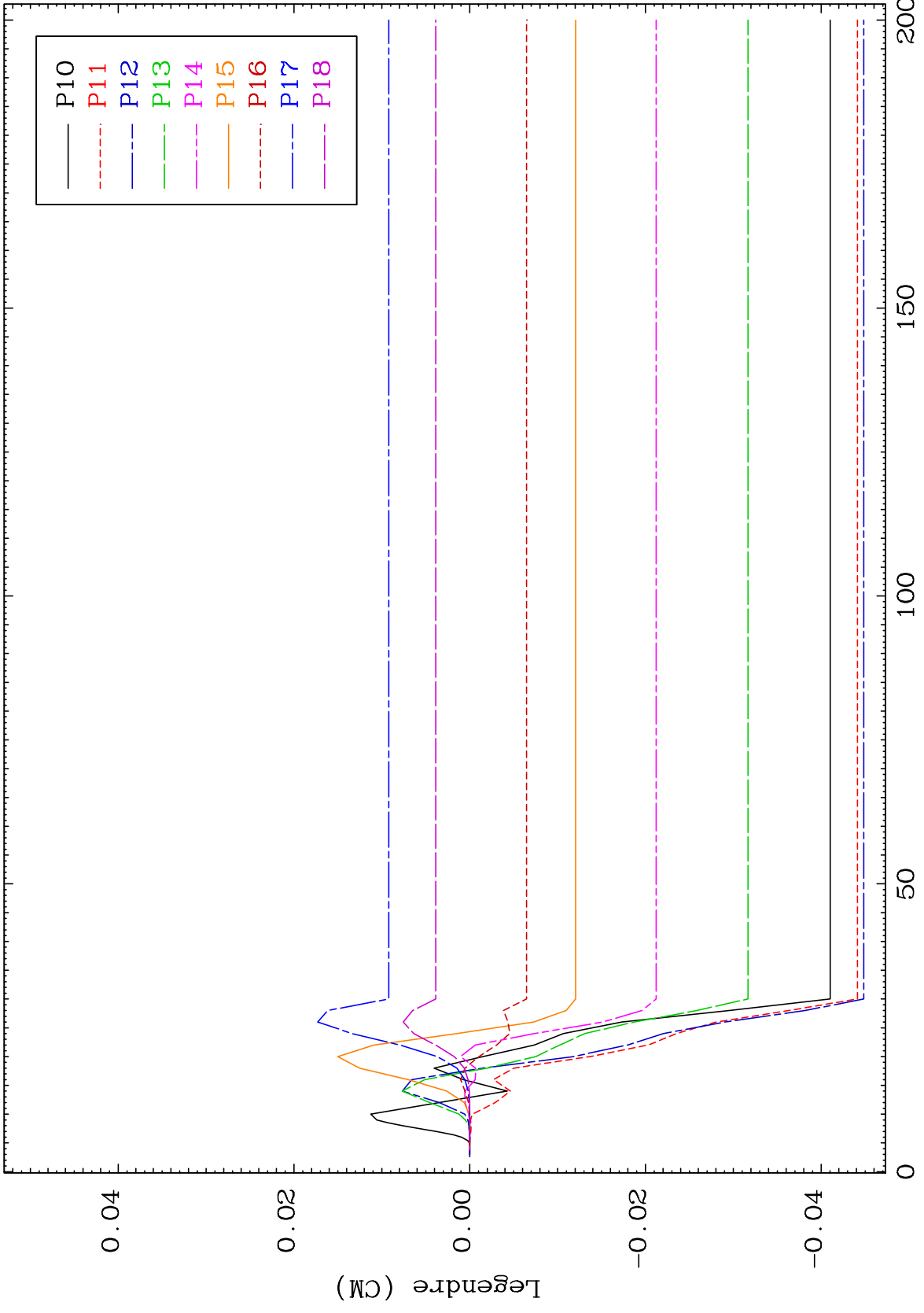
64-Gd-150

MAT 6419 MT= 62 (n,n') Level Legendre Coefficients 64-Gd-150



61 64-Gd-150

MAT 6419 MT= 62 (n,n') Level Legendre Coefficients 64-Gd-150

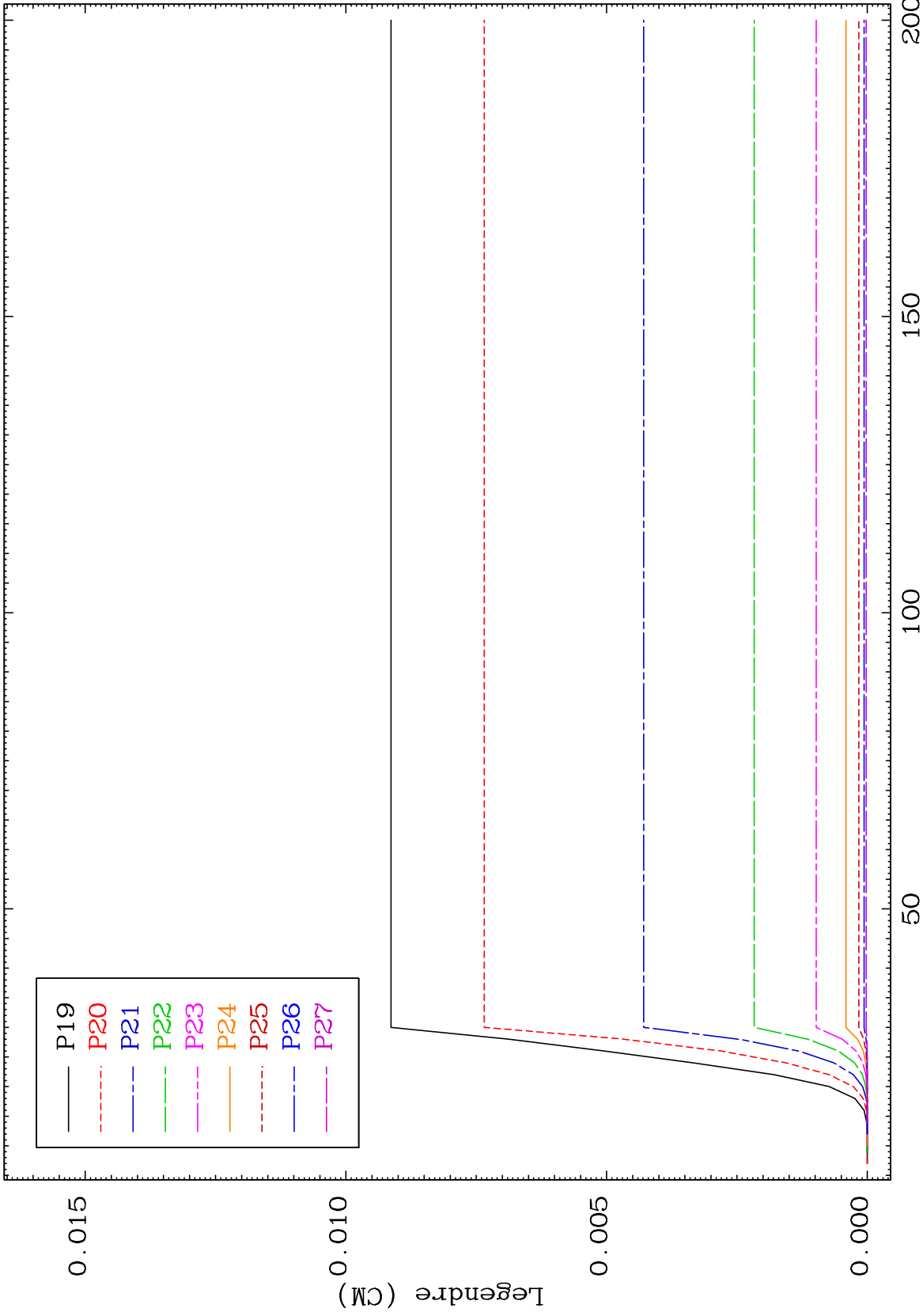


62 64-Gd-150

MAT 6419

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

64-Gd-150



63

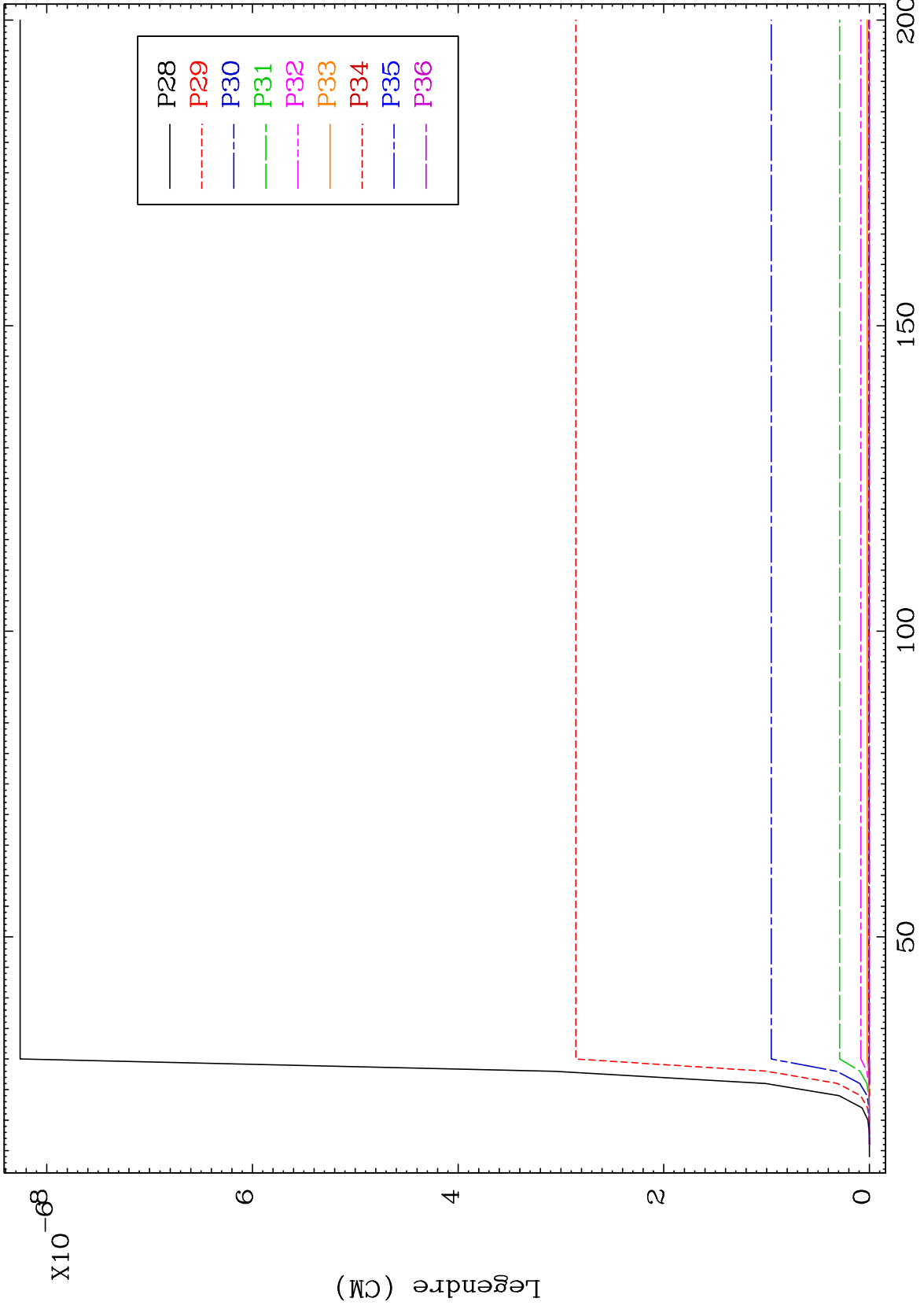
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

64-Gd-150



64

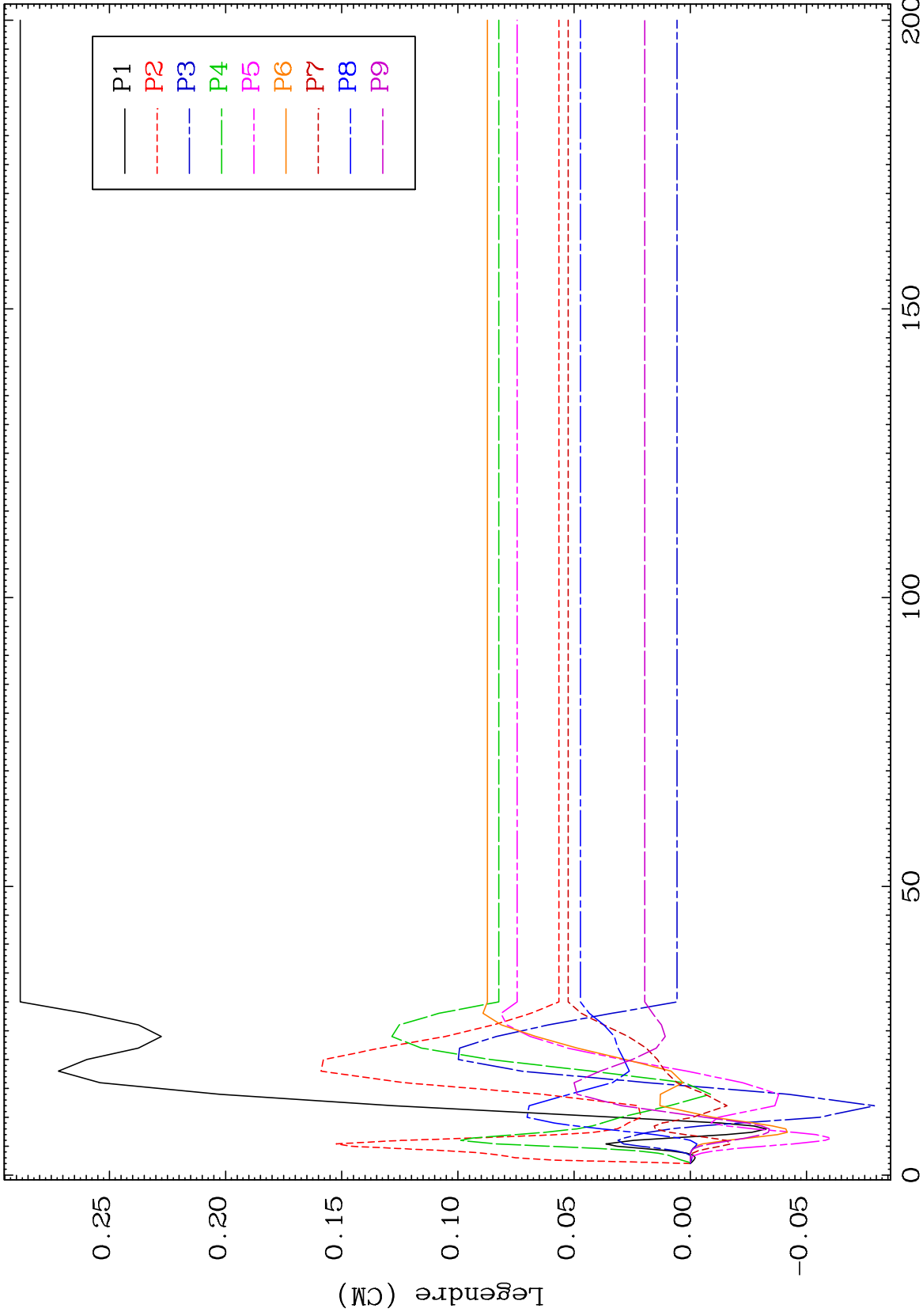
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

64-Gd-150

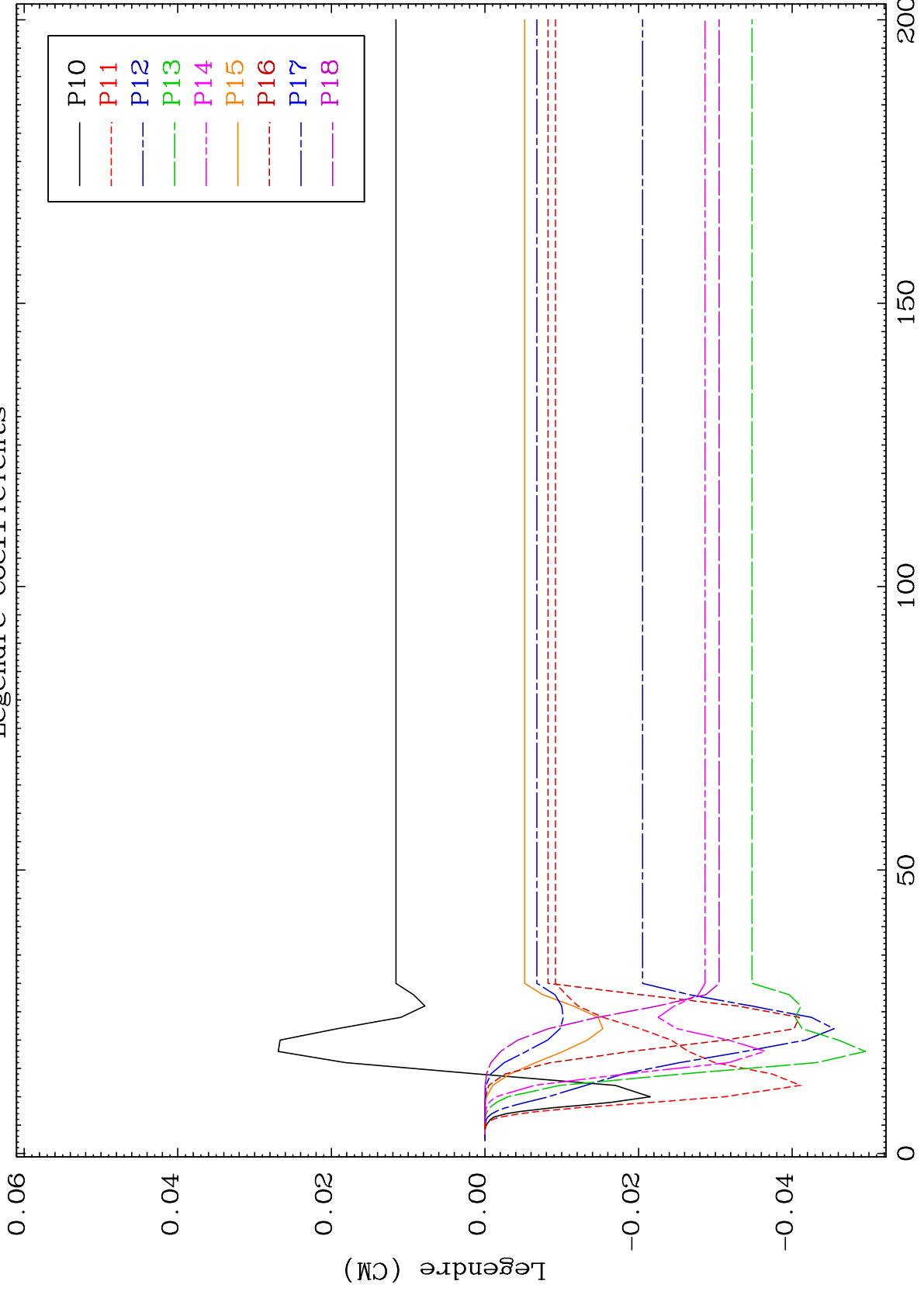


65

Incident Energy (MeV)

64-Gd-150

MAT 6419 MT= 63 (n,n') Level Legendre Coefficients 64-Gd-150

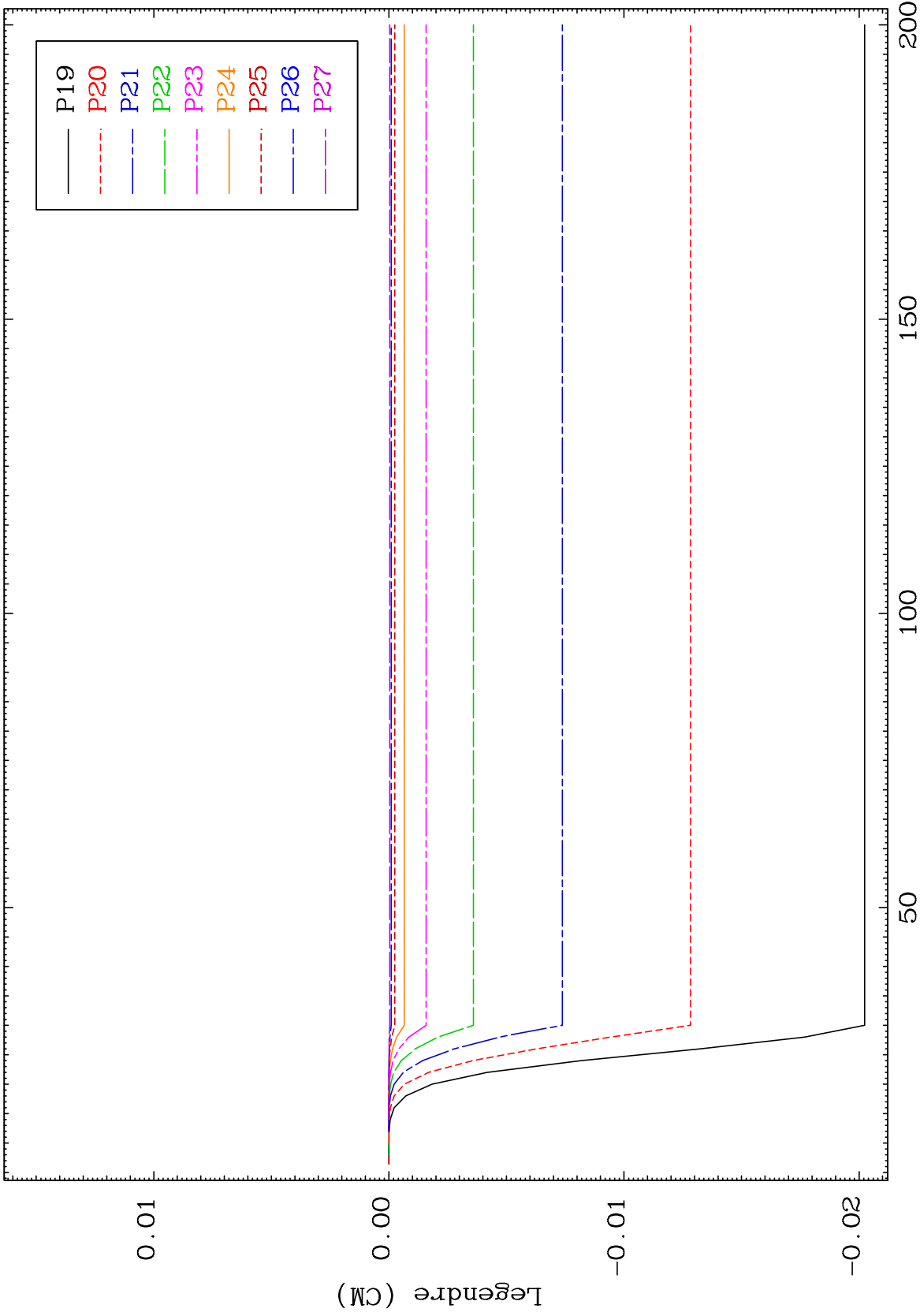


66 64-Gd-150

MAT 6419

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

64-Gd-150

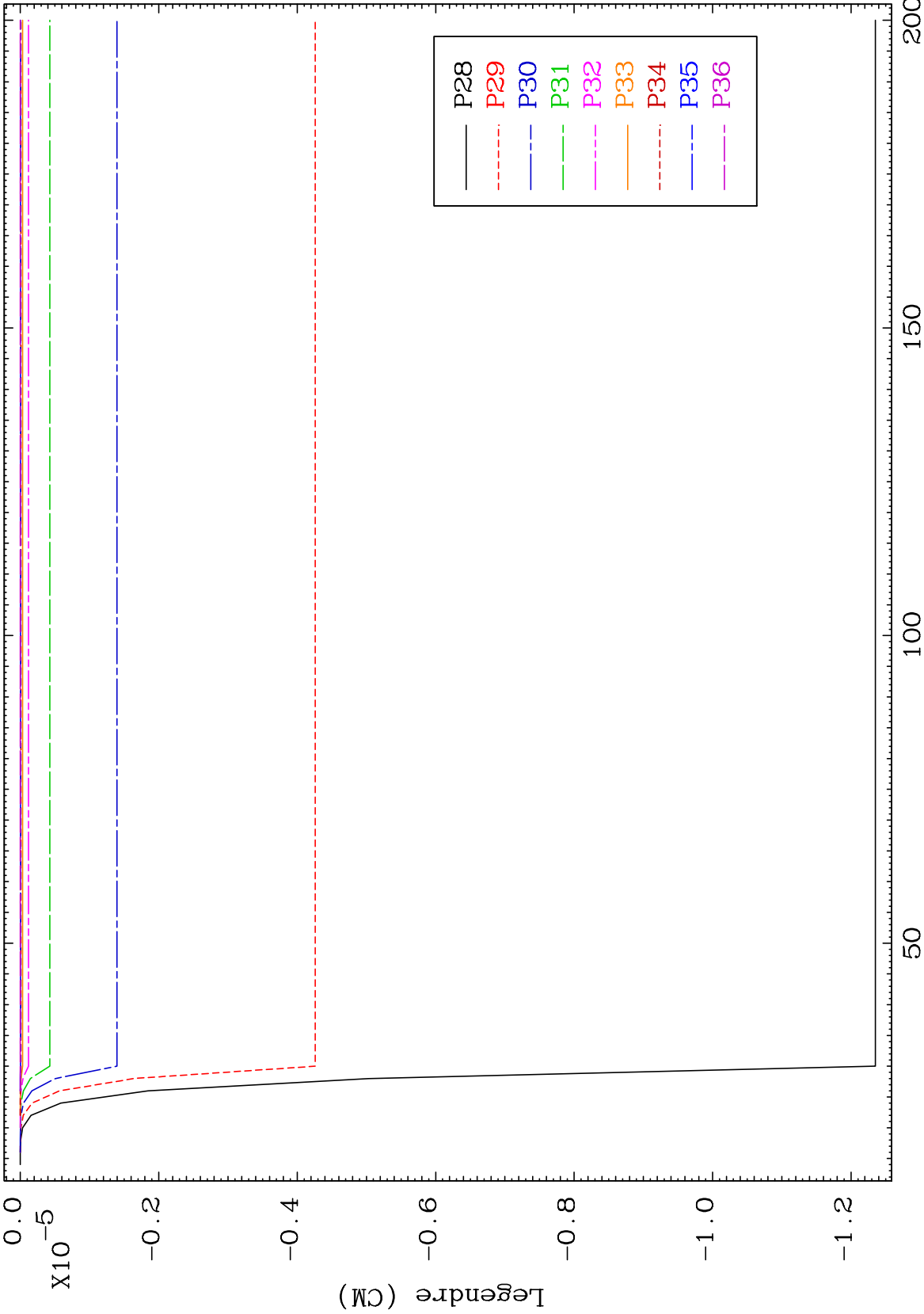


67

Incident Energy (MeV)

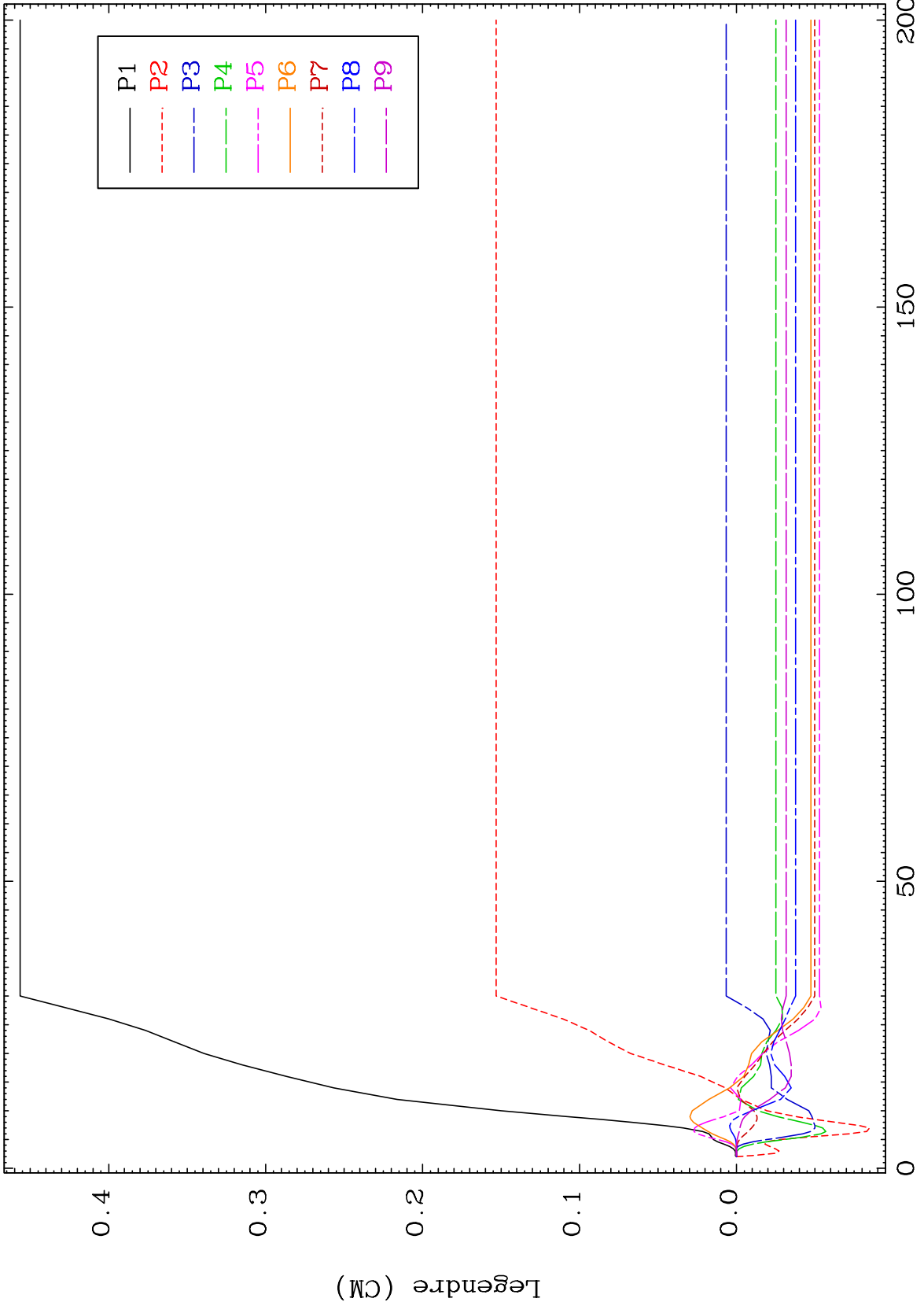
64-Gd-150

MAT 6419 MT= 63 (n,n') Level Legendre Coefficients 64-Gd-150



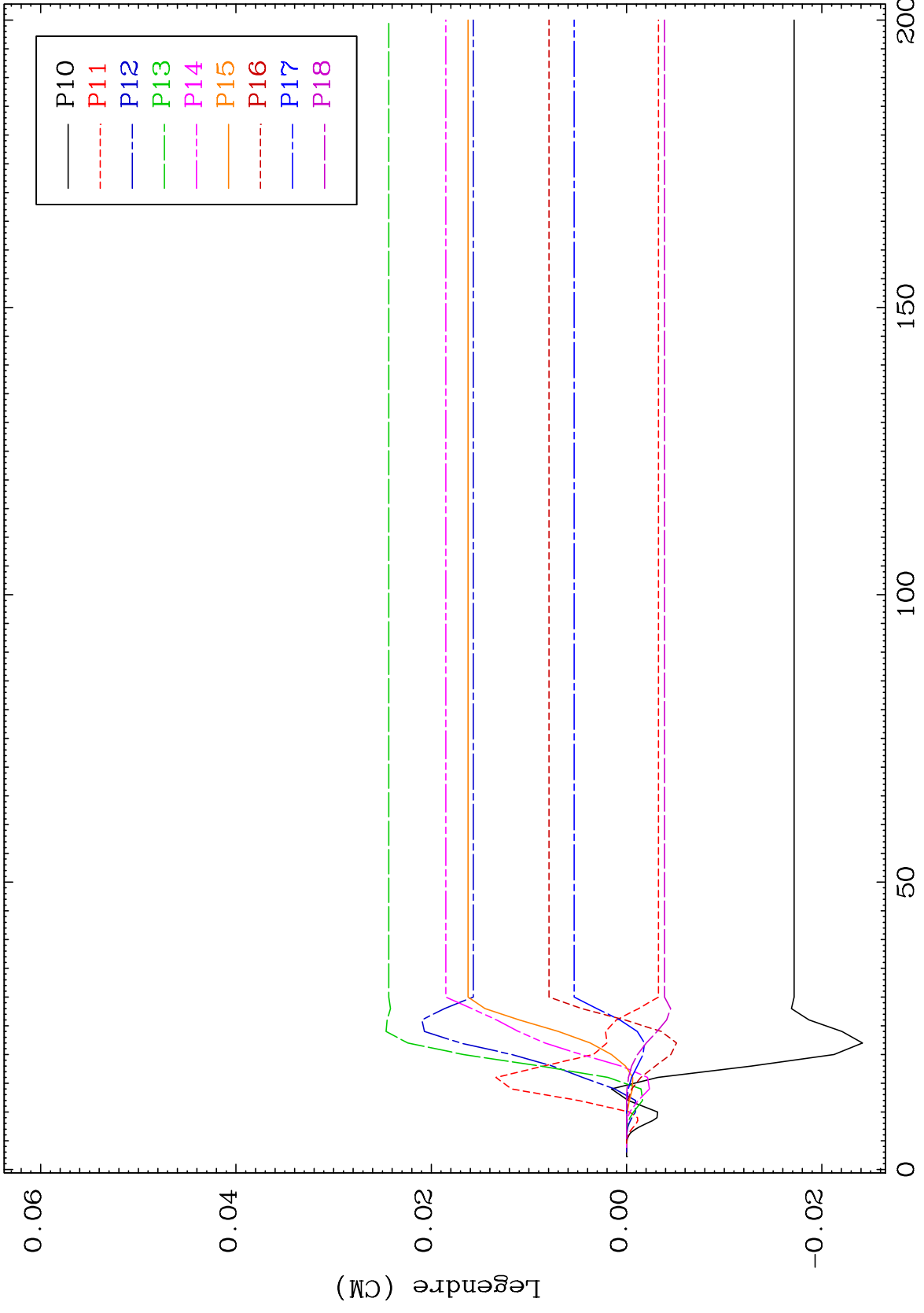
68 64-Gd-150

MAT 6419 MT= 64 (n,n') Level Legendre Coefficients 64-Gd-150



69 64-Gd-150

MAT 6419 MT= 64 (n,n') Level Legendre Coefficients 64-Gd-150

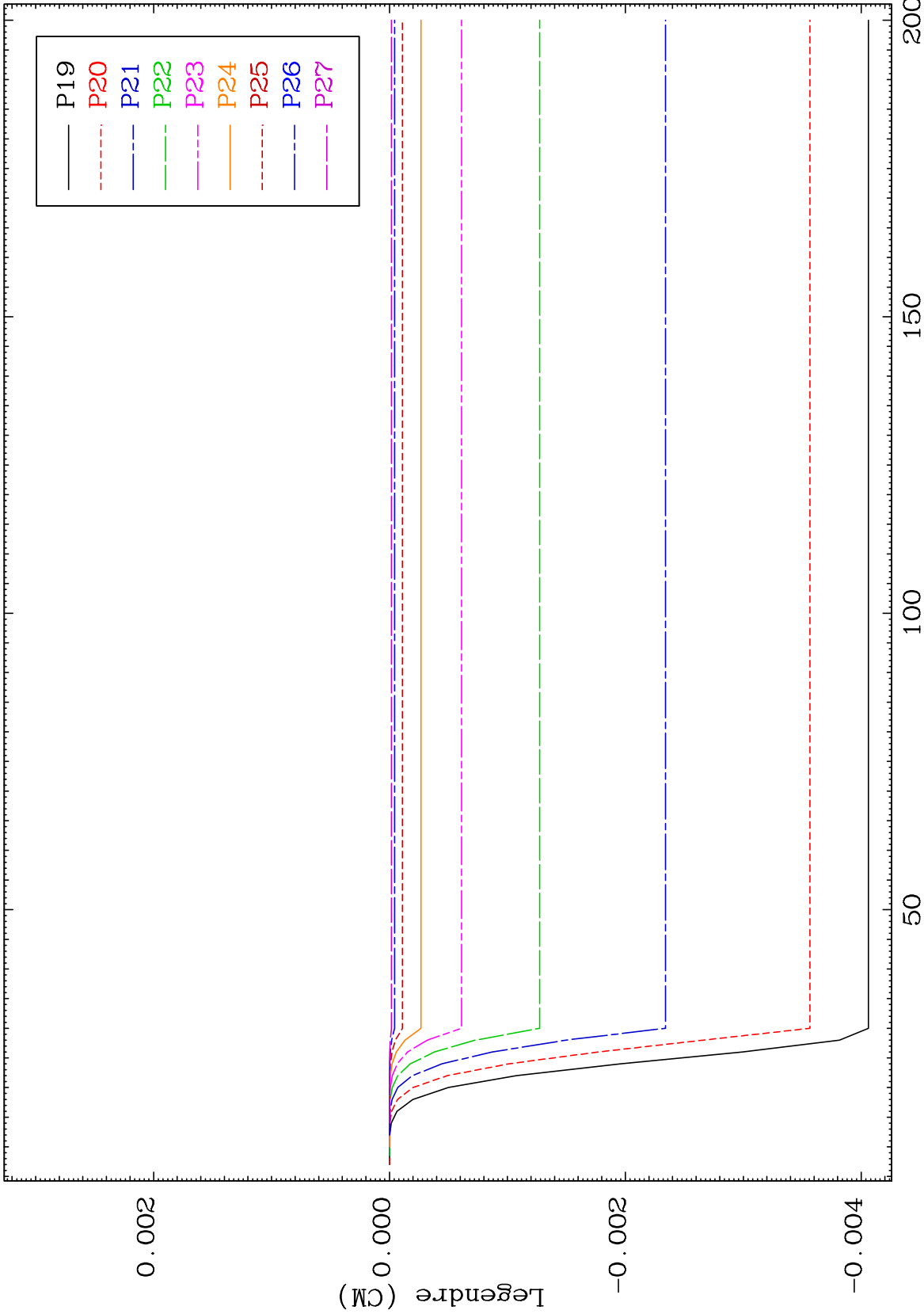


64-Gd-150

MAT 6419

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

64-Gd-150



71

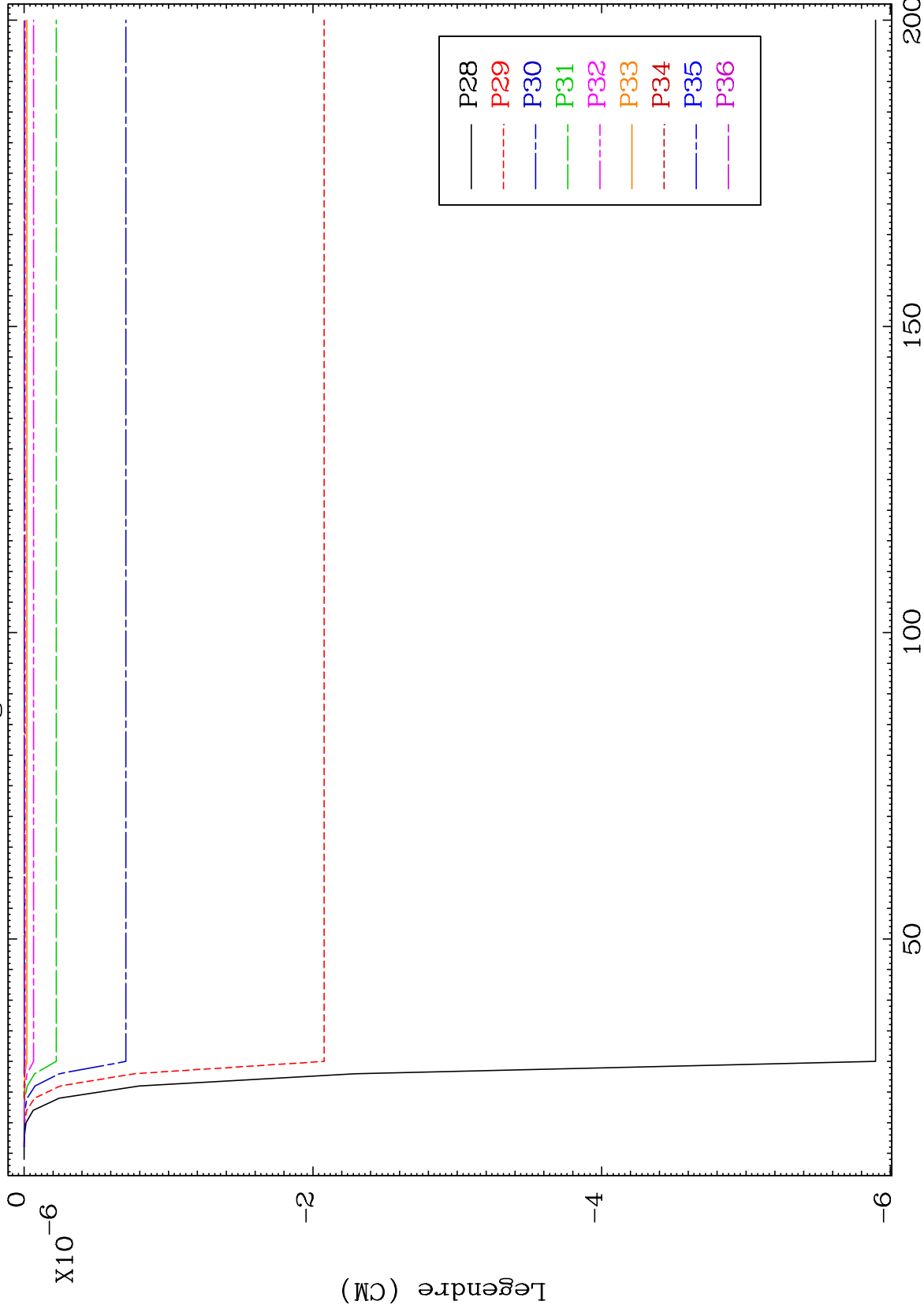
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

64-Gd-150

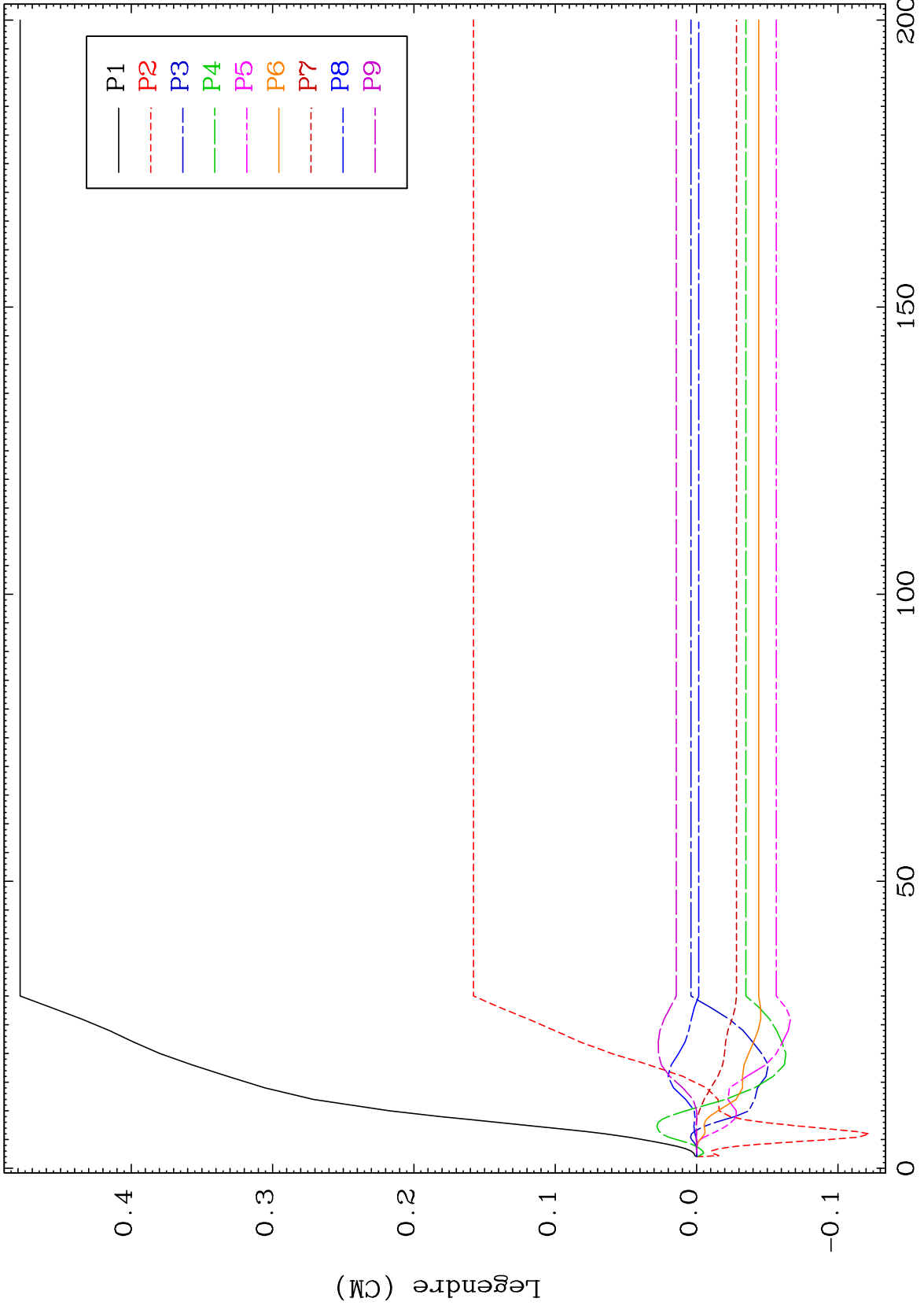


64-Gd-150

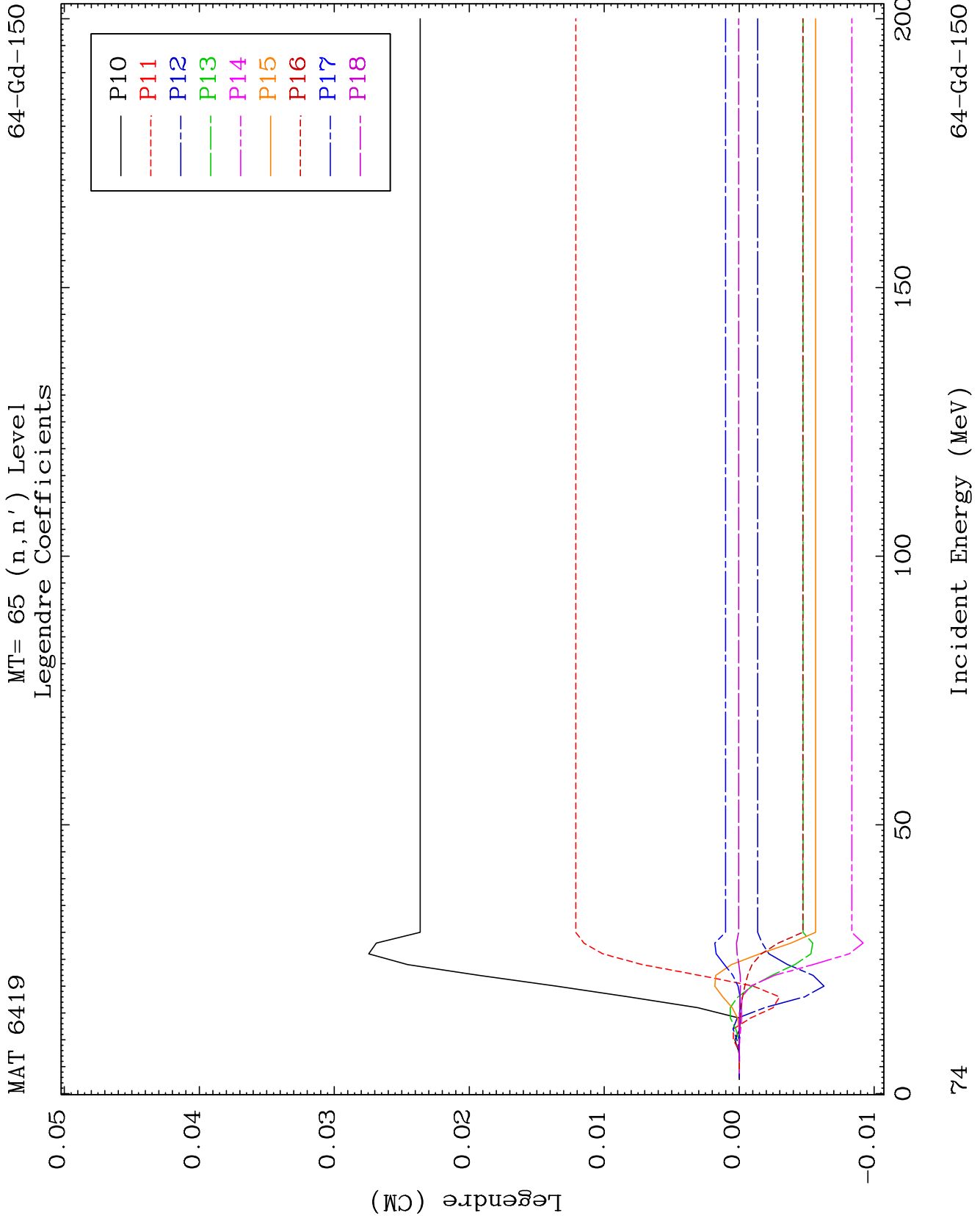
Incident Energy (MeV)

72

MAT 6419 MT= 65 (n,n') Level Legendre Coefficients 64-Gd-150



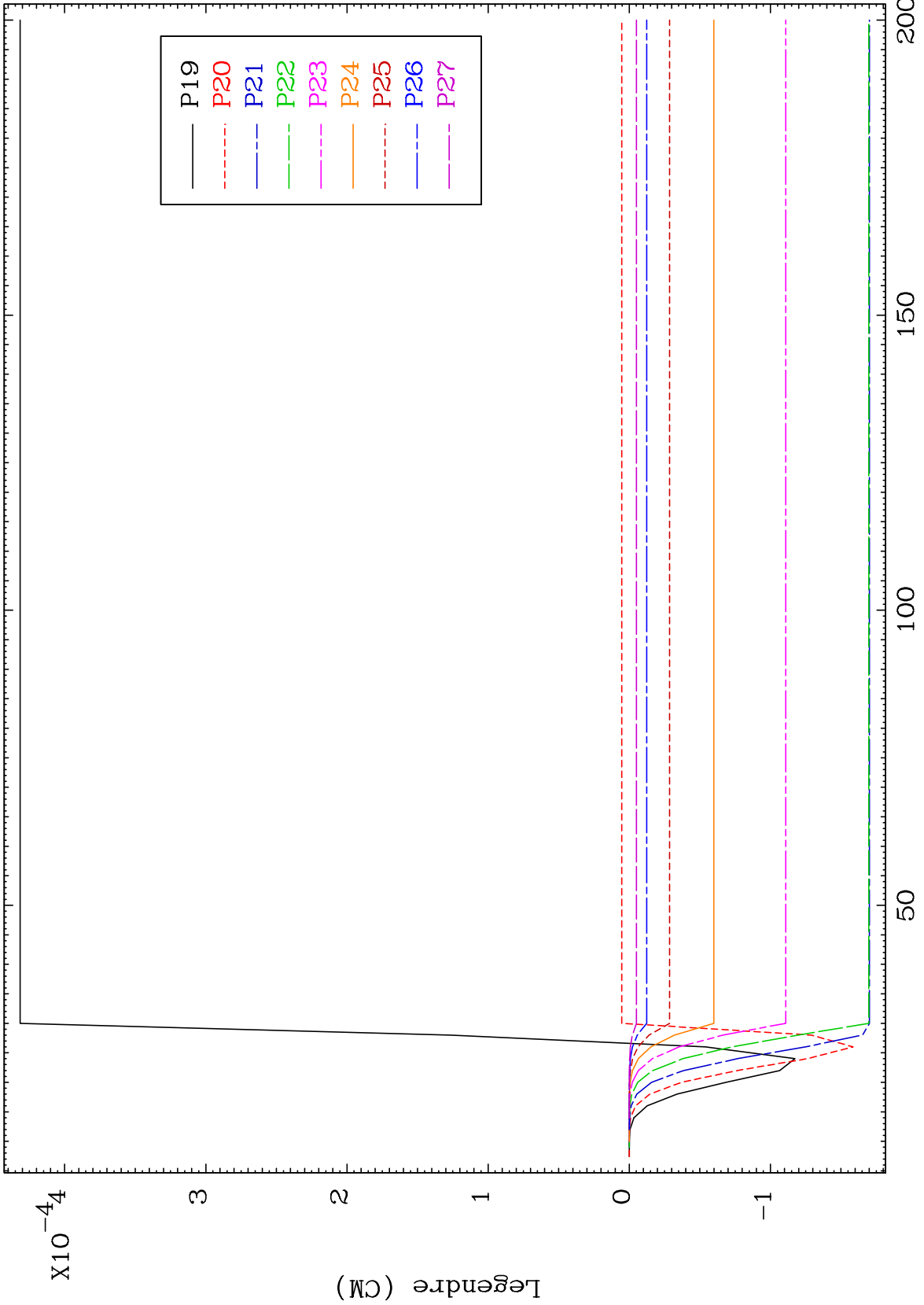
73 64-Gd-150



MAT 6419

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

64-Gd-150

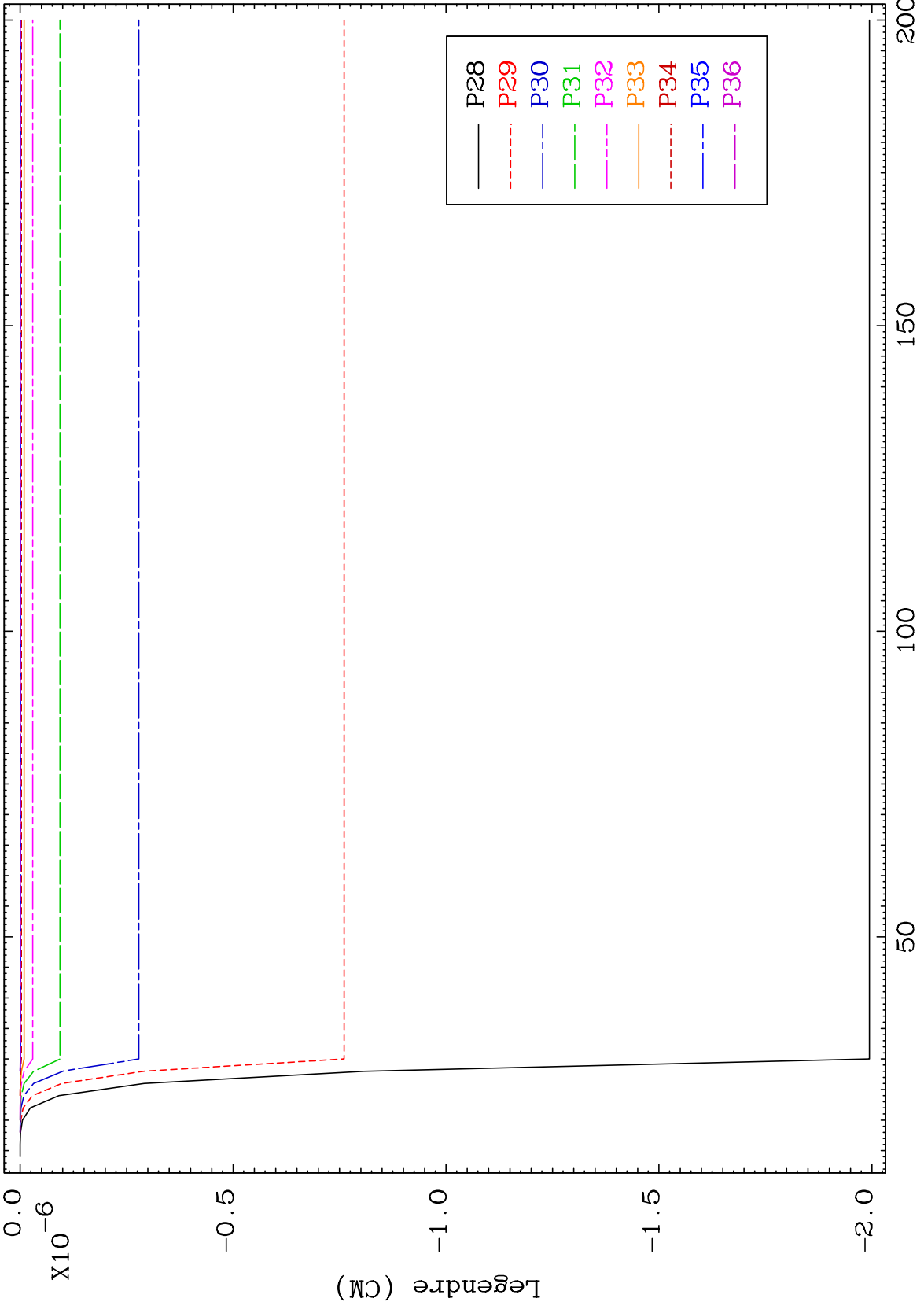


75

Incident Energy (MeV)

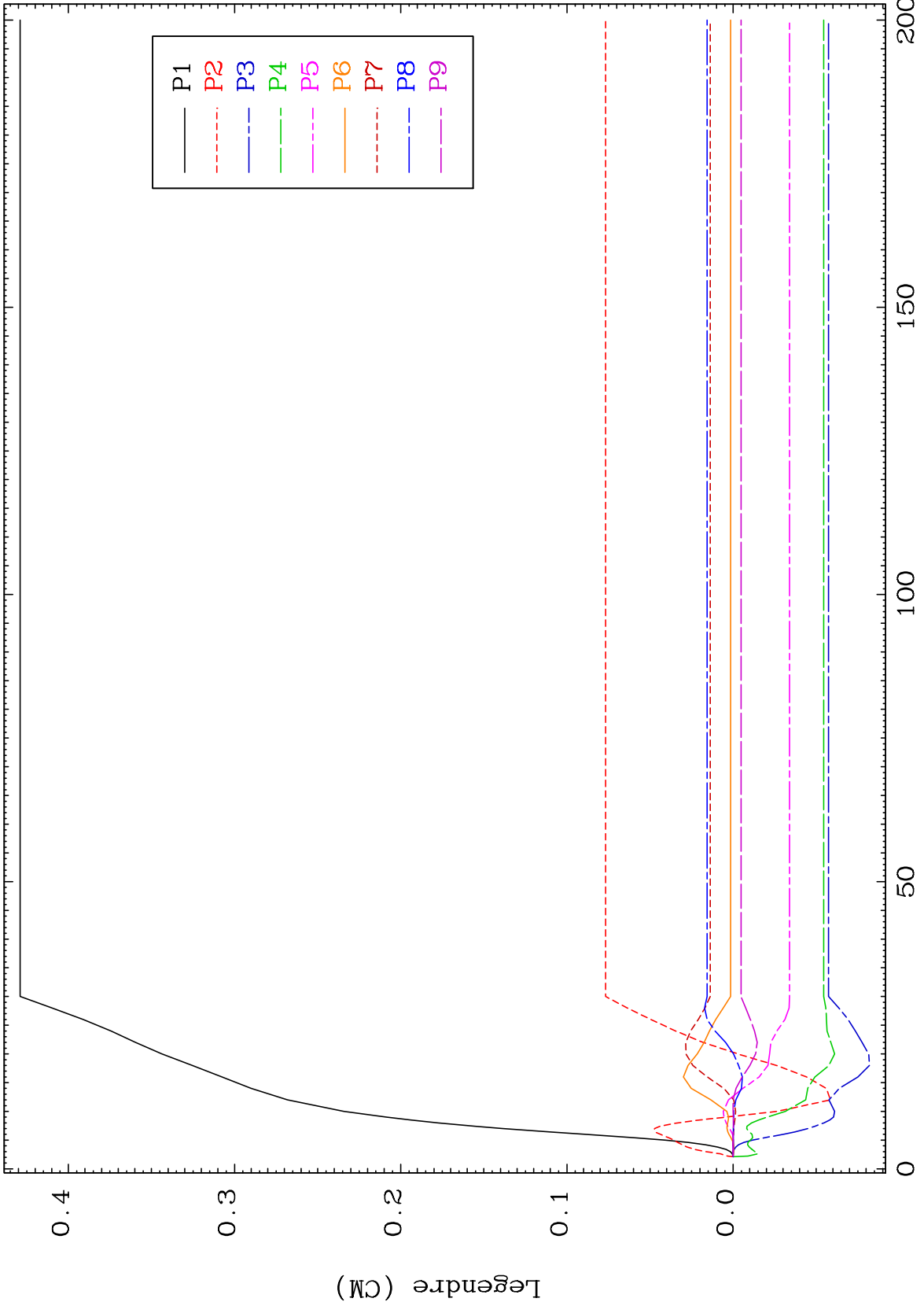
64-Gd-150

MAT 6419 MT= 65 (n,n') Level Legendre Coefficients 64-Gd-150

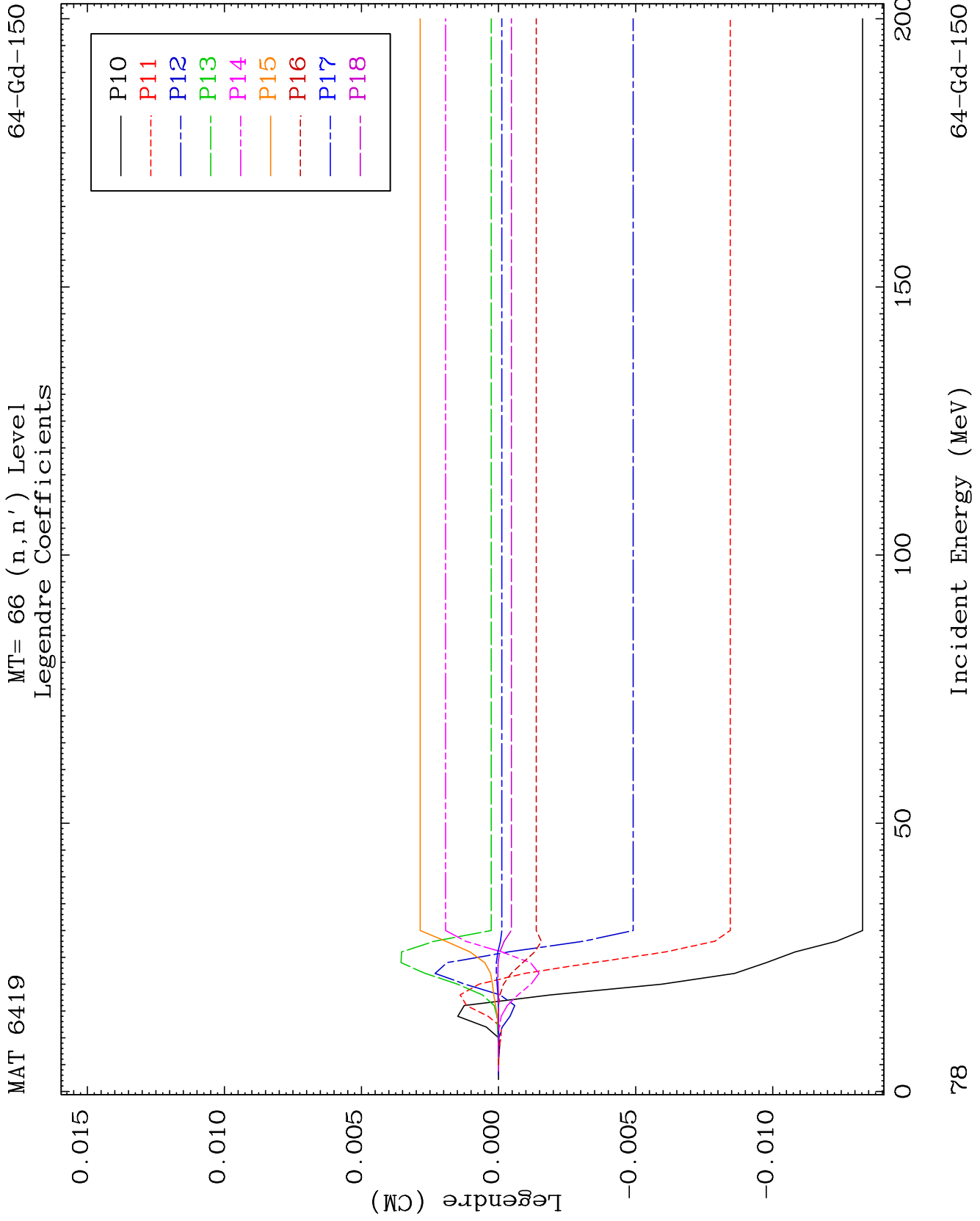


76 Incident Energy (MeV) 64-Gd-150

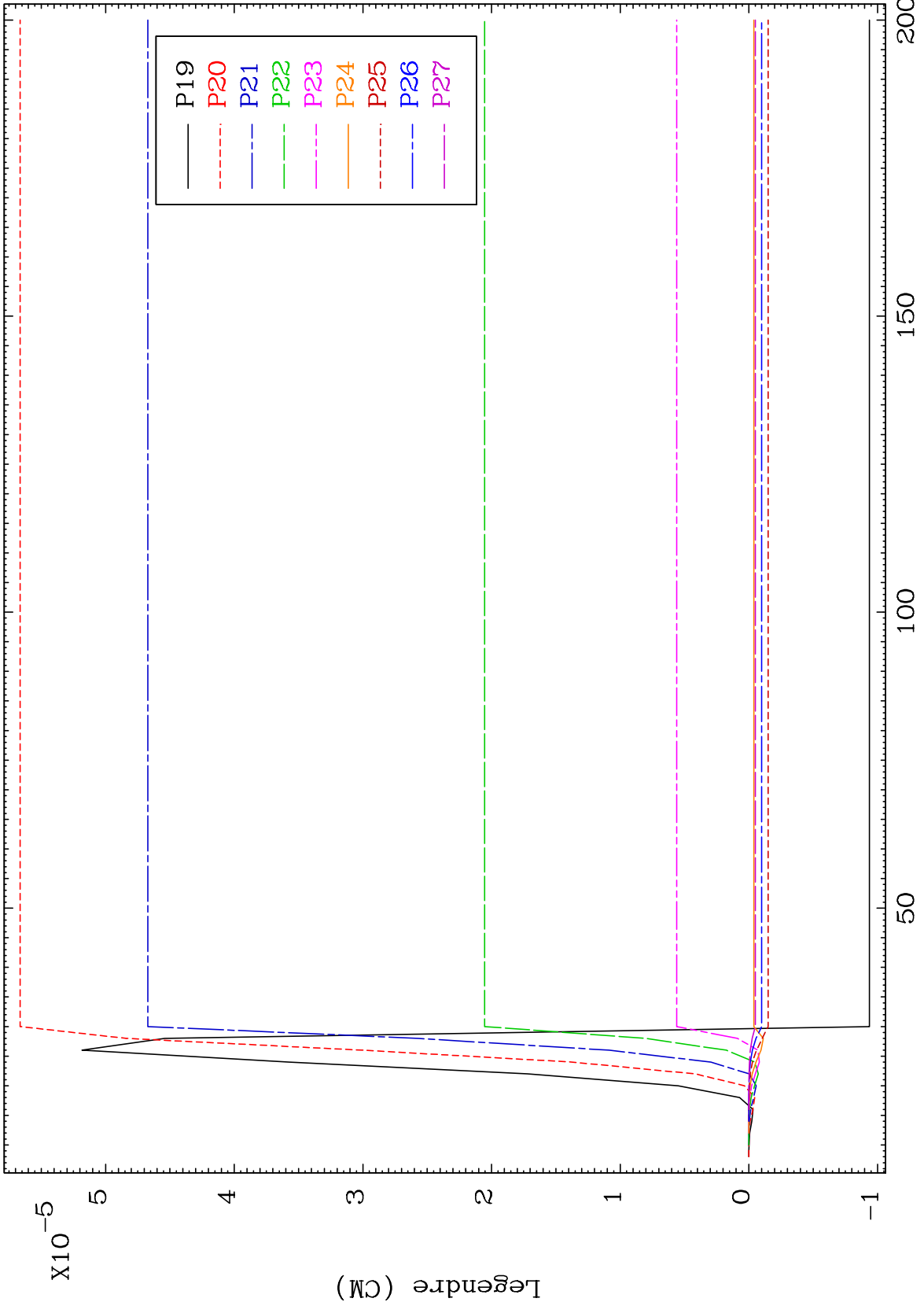
MAT 6419 MT= 66 (n,n') Level Legendre Coefficients 64-Gd-150



77 64-Gd-150

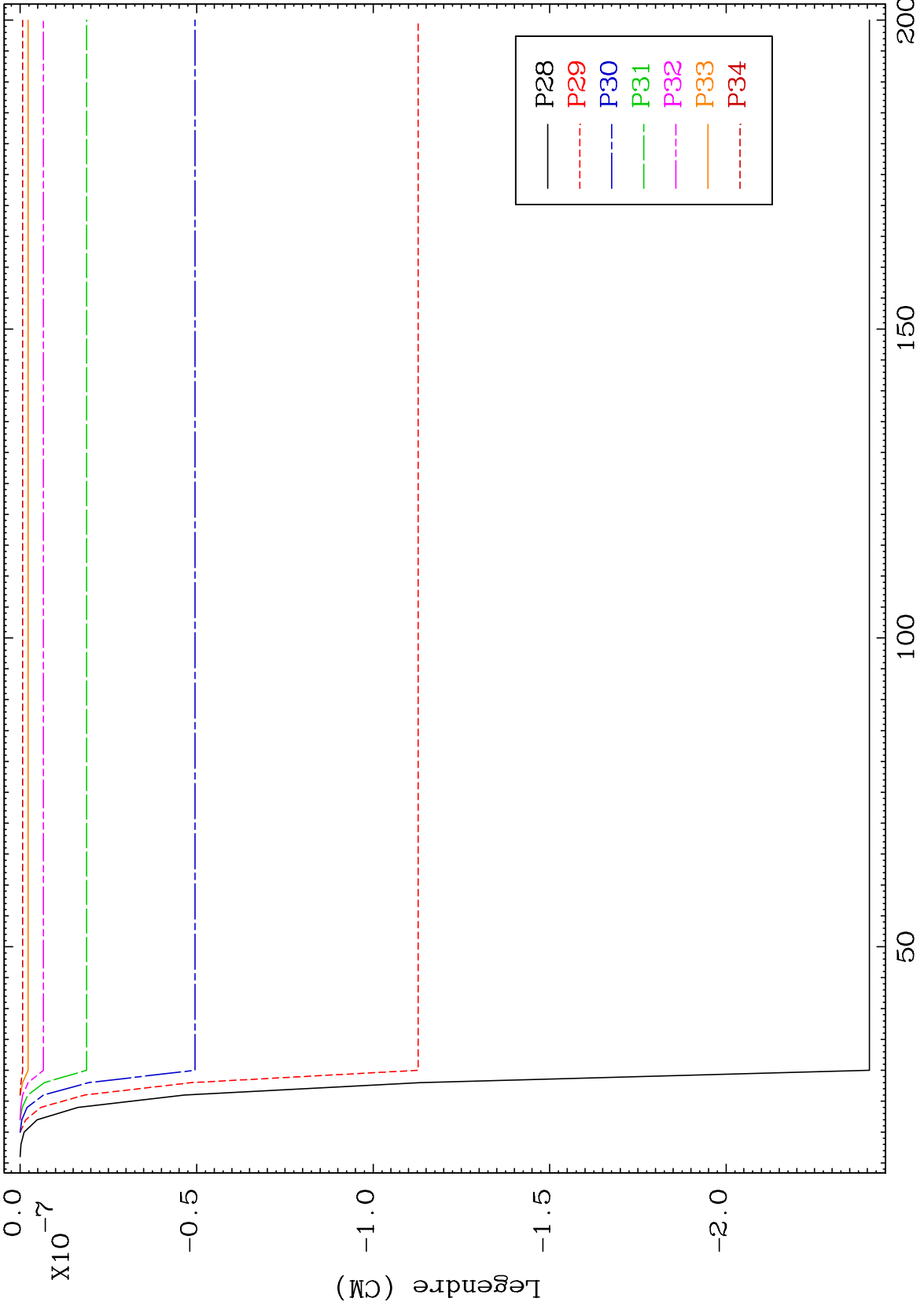


MAT 6419 MT= 66 (n,n') Level Legendre Coefficients 64-Gd-150



79 64-Gd-150

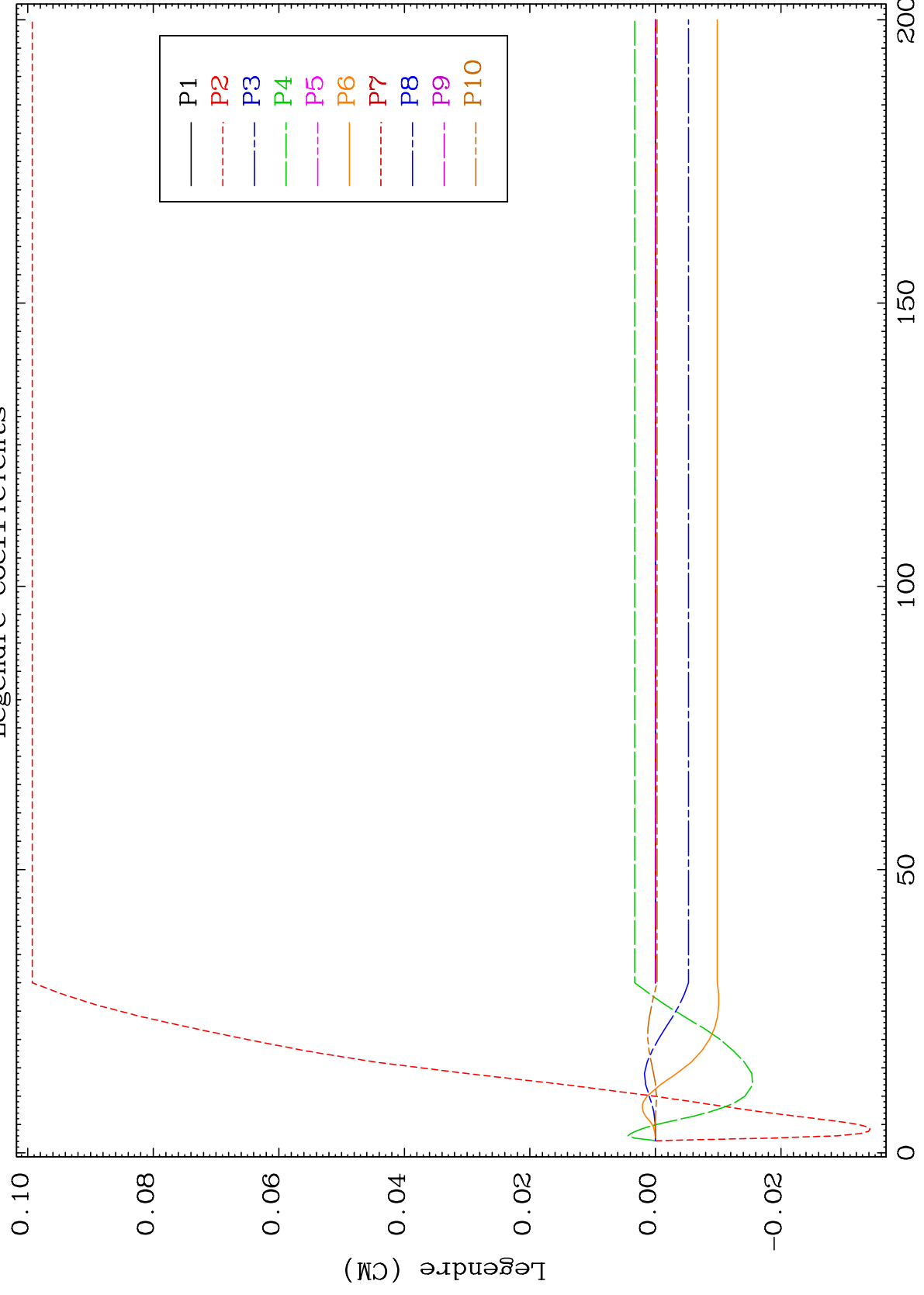
MAT 6419 MT= 66 (n,n') Level Legendre Coefficients 64-Gd-150



80 Incident Energy (MeV) 64-Gd-150

MAT 6419 MT= 67 (n,n') Level Legendre Coefficients

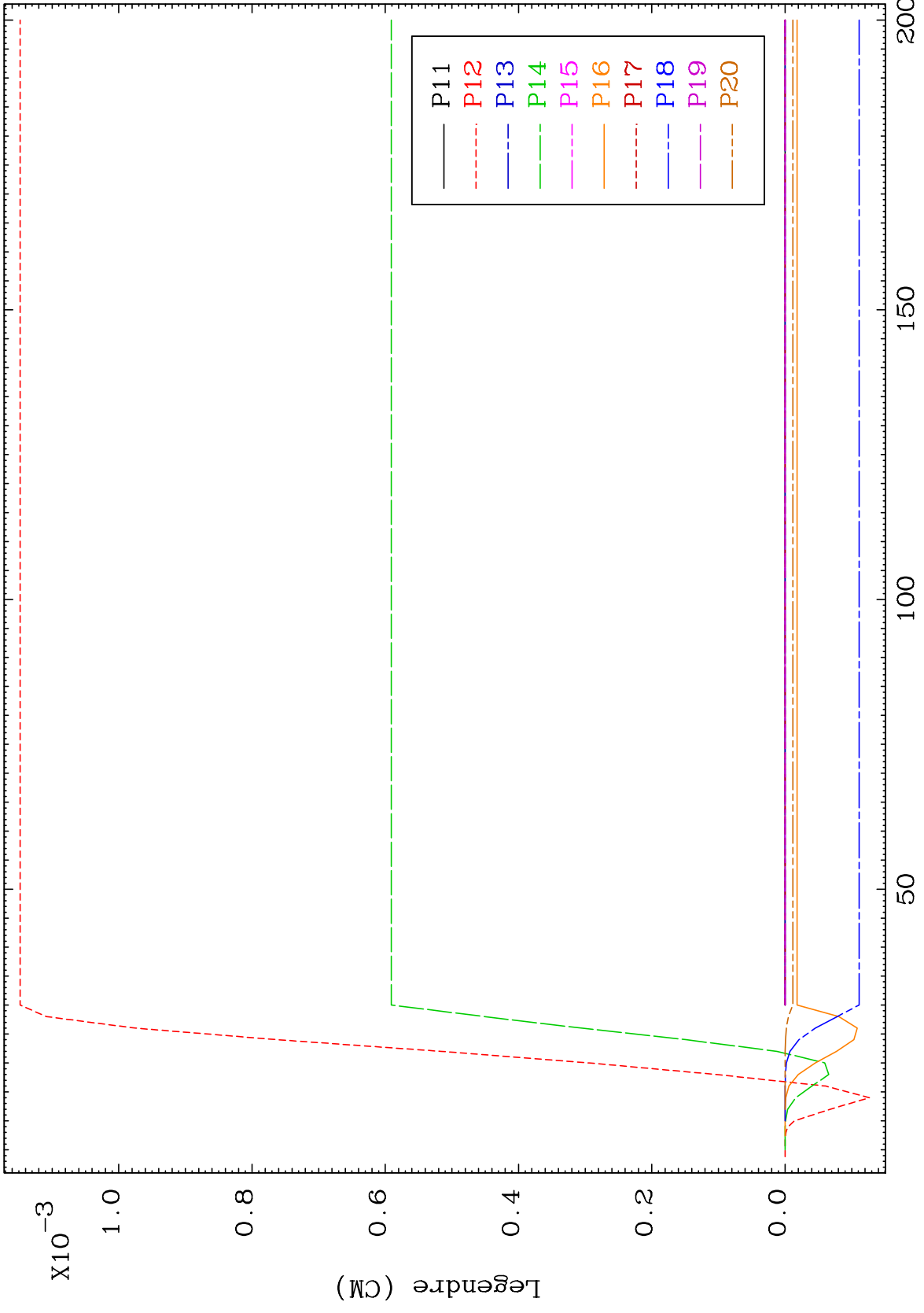
64-Gd-150



81

64-Gd-150

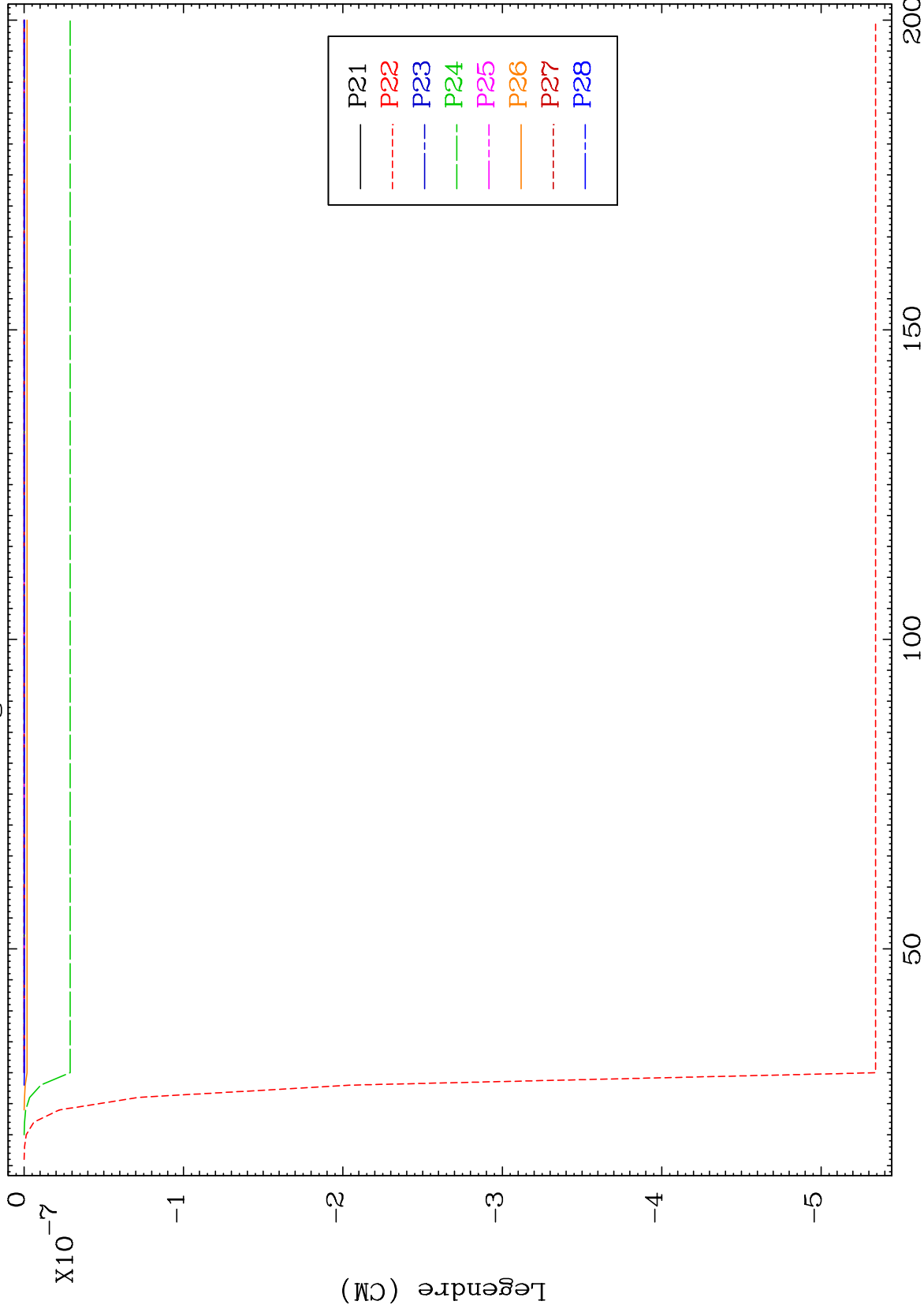
MAT 6419 MT= 67 (n,n') Level Legendre Coefficients 64-Gd-150



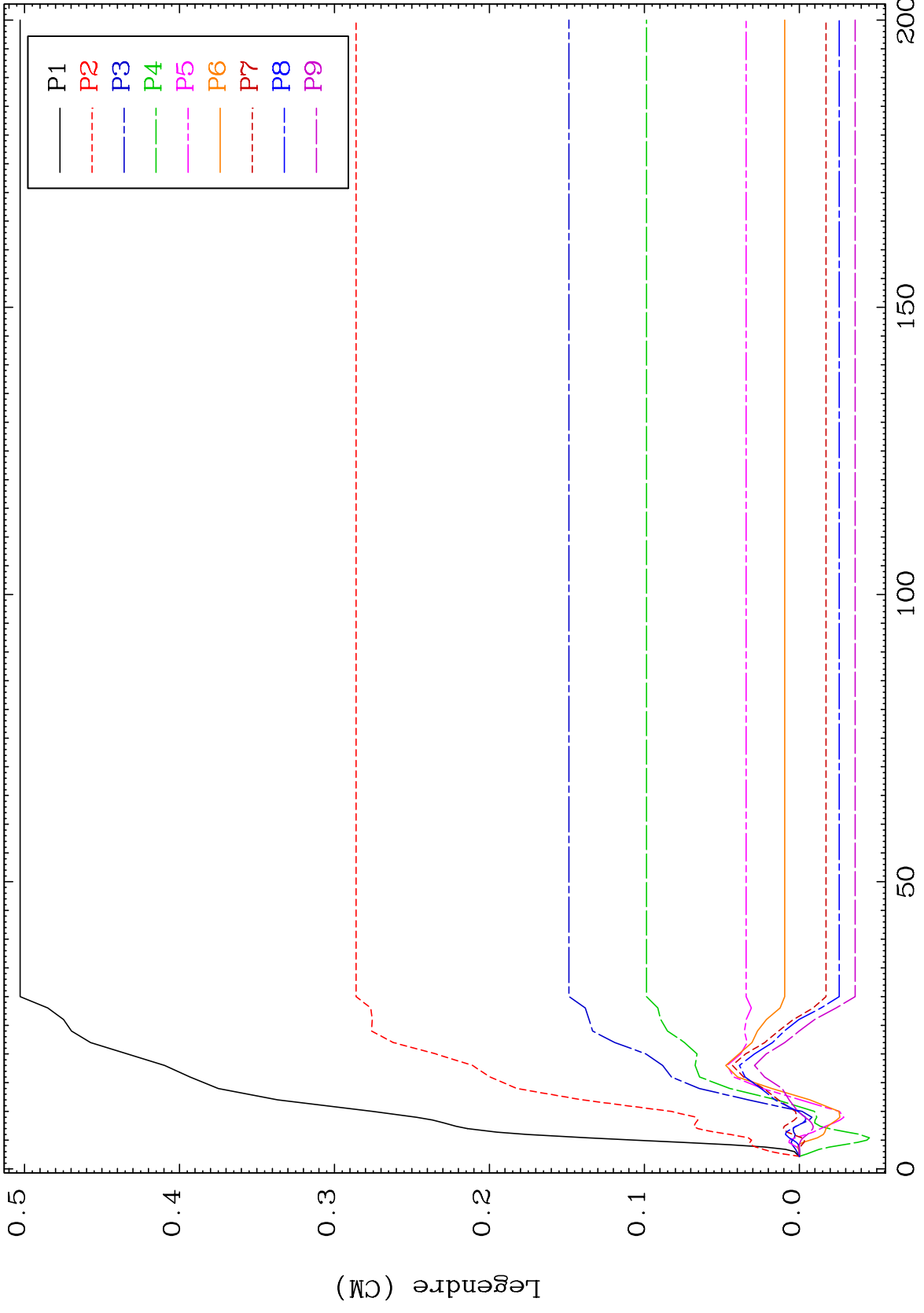
MAT 6419

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

64-Gd-150

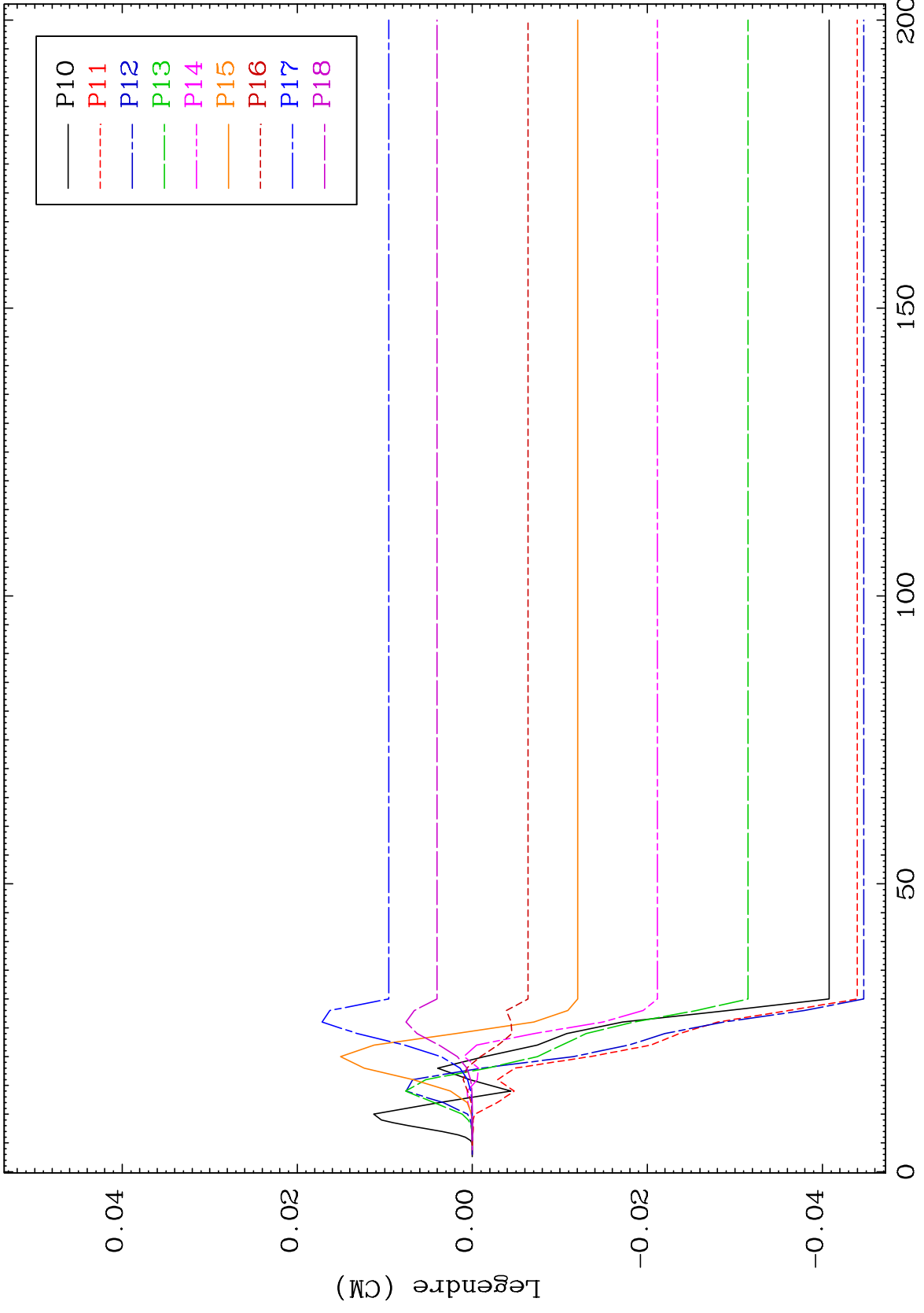


MAT 6419 MT= 68 (n,n') Level Legendre Coefficients 64-Gd-150



84 64-Gd-150

MAT 6419 MT= 68 (n,n') Level Legendre Coefficients 64-Gd-150

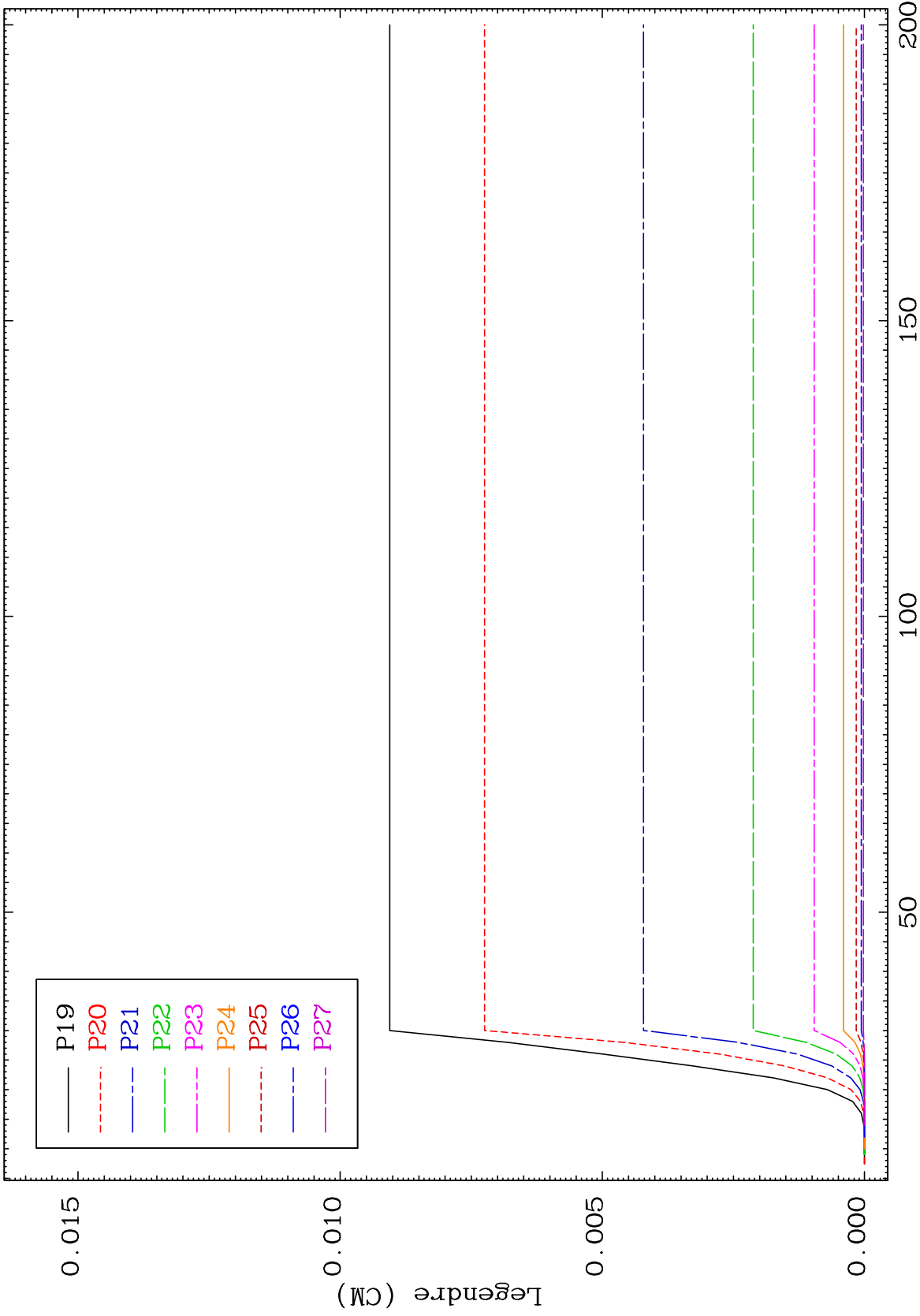


85 64-Gd-150

MAT 6419

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

64-Gd-150



86

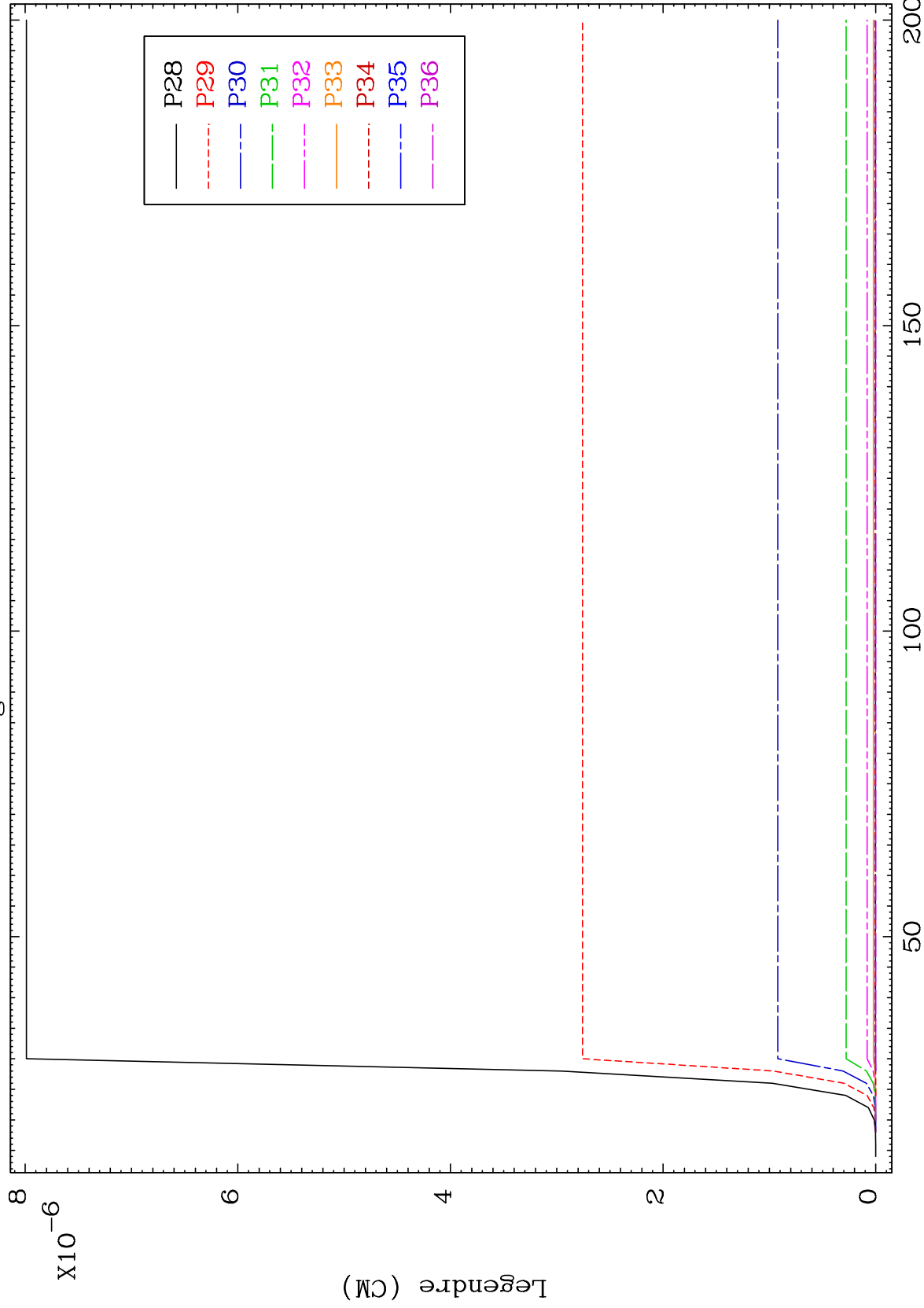
Incident Energy (MeV)

64-Gd-150

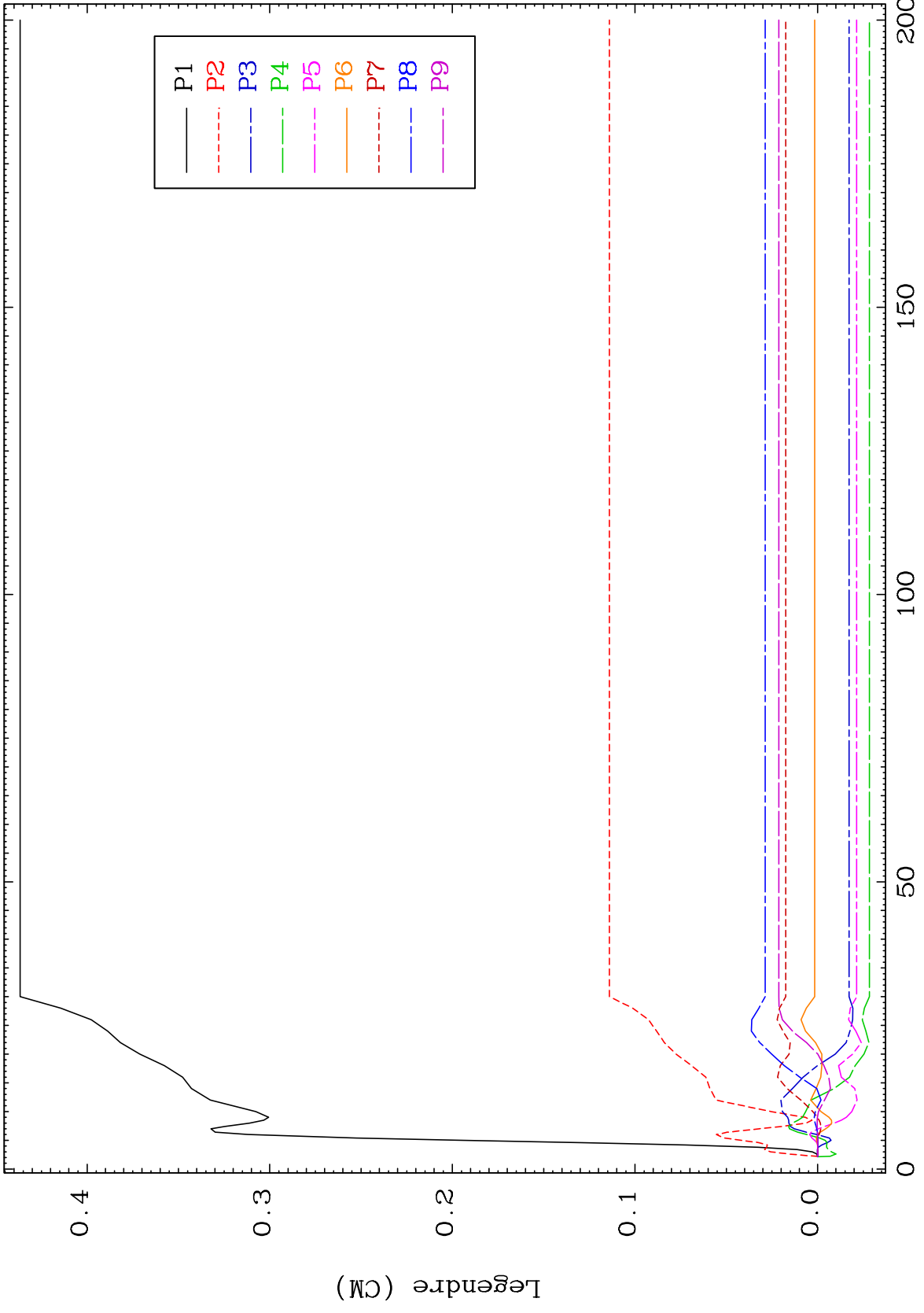
MAT 6419

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

64-Gd-150



MAT 6419 MT= 69 (n,n') Level Legendre Coefficients 64-Gd-150

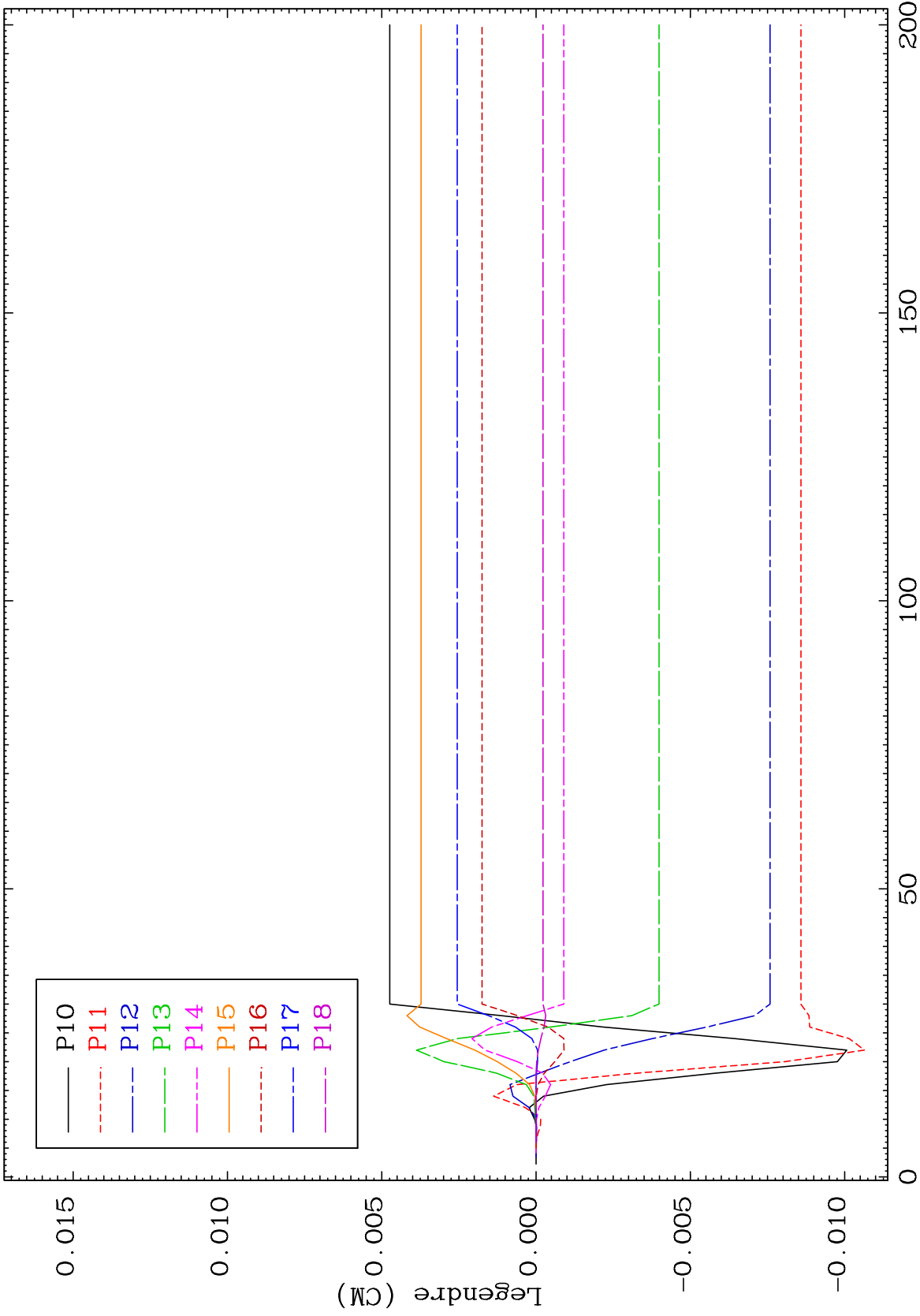


88 64-Gd-150

MAT 6419

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

64-Gd-150

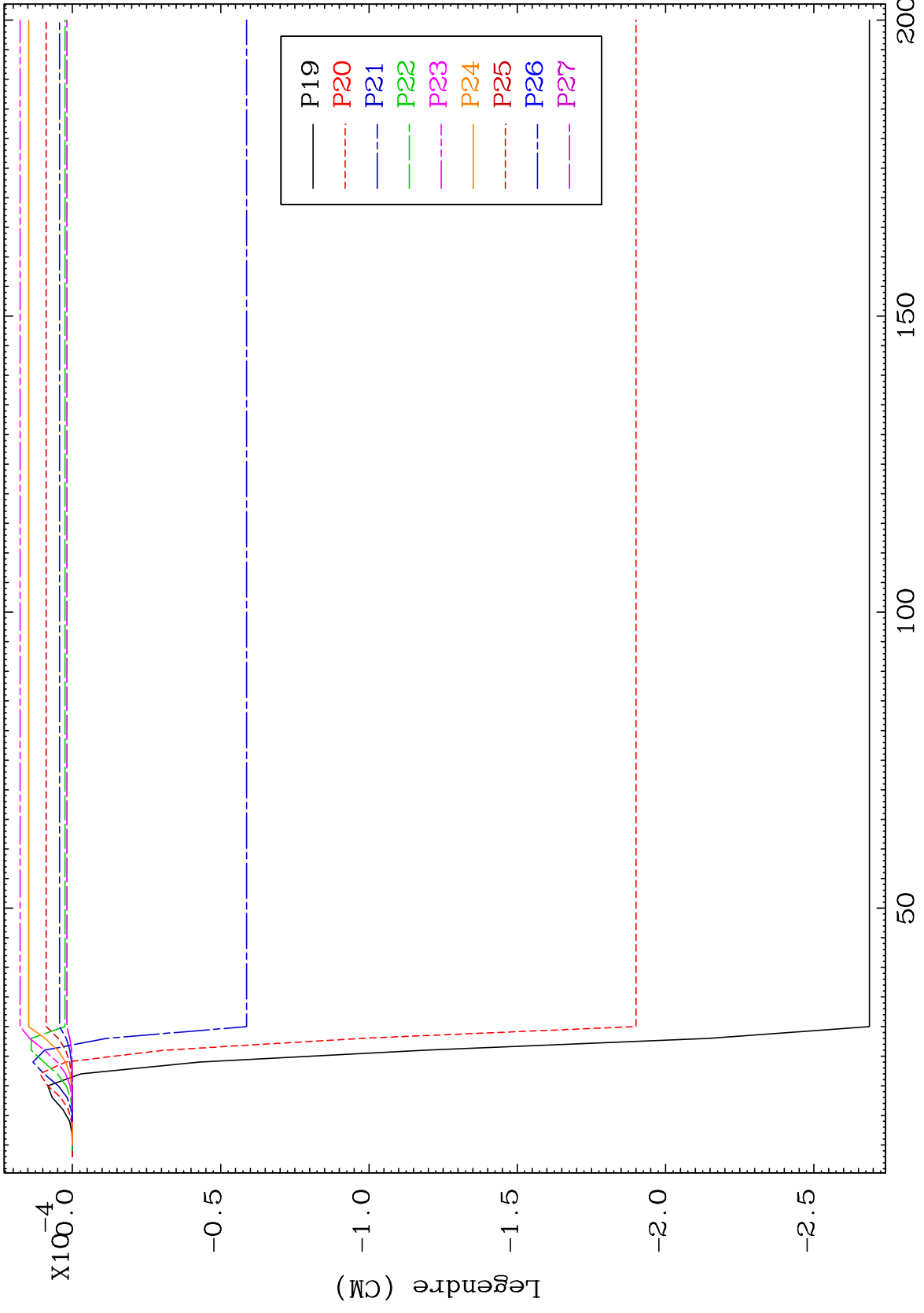


89

Incident Energy (MeV)

64-Gd-150

MAT 6419 MT= 69 (n,n') Level Legendre Coefficients 64-Gd-150

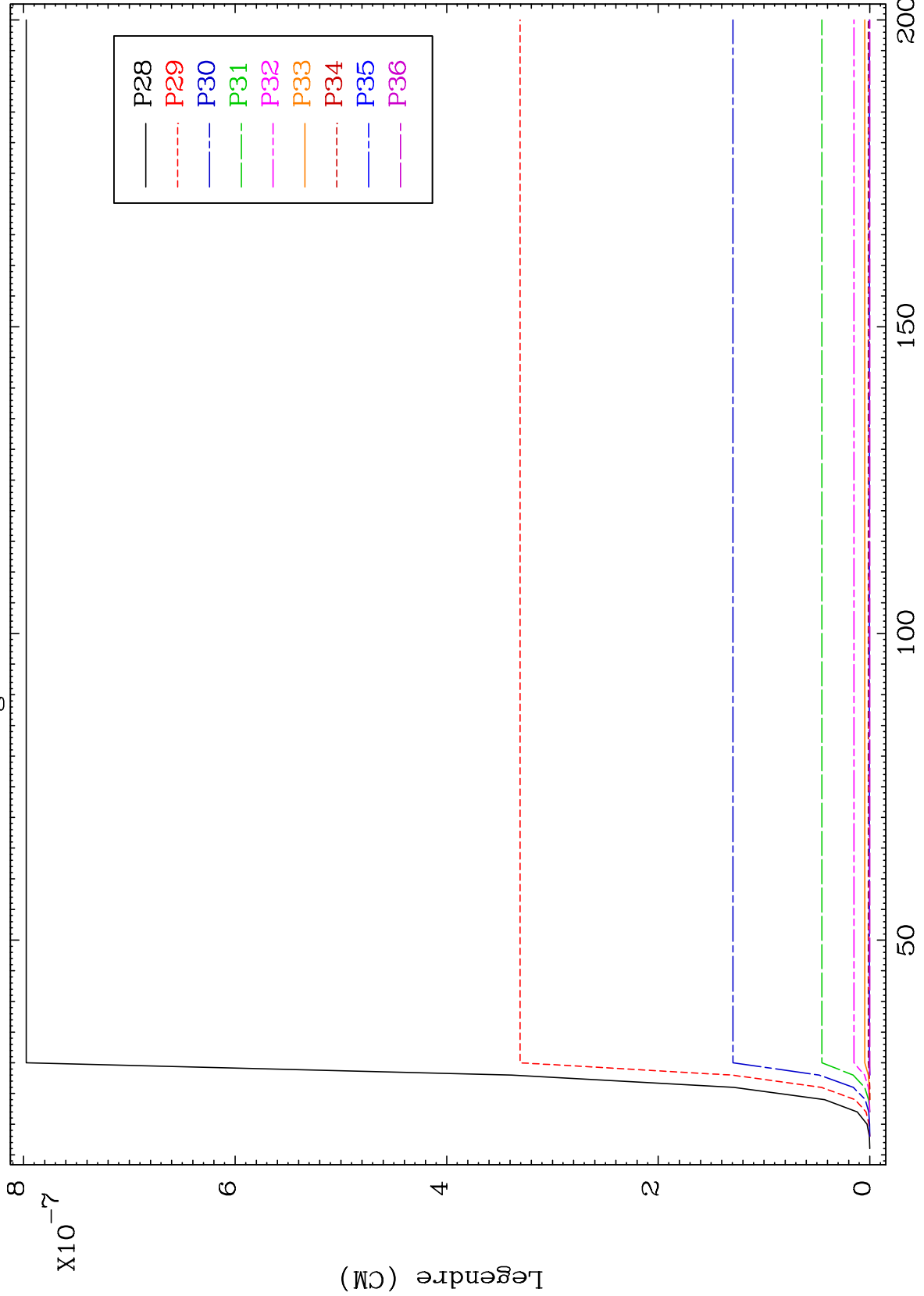


90 Incident Energy (MeV) 64-Gd-150

MAT 6419

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

64-Gd-150

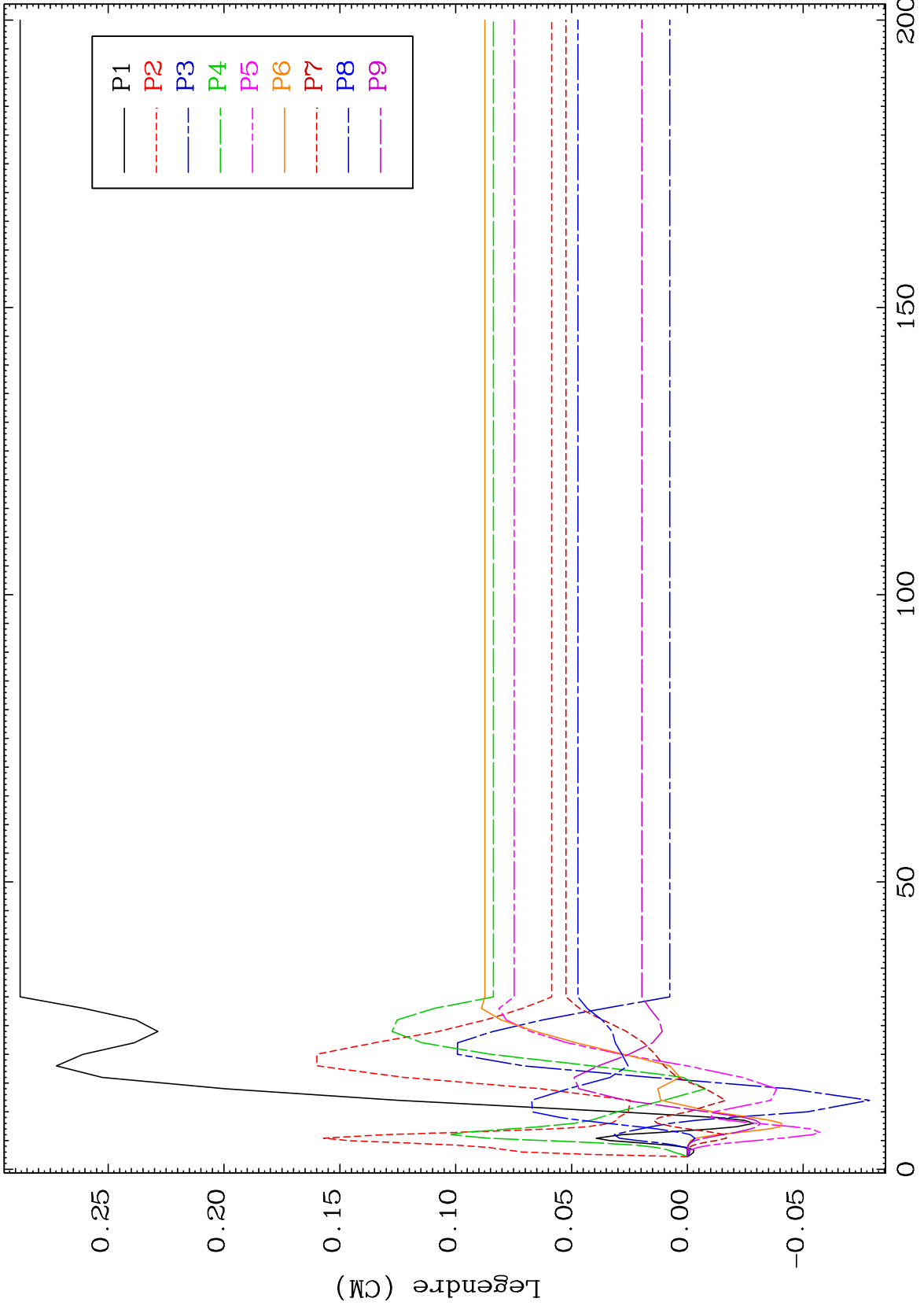


91

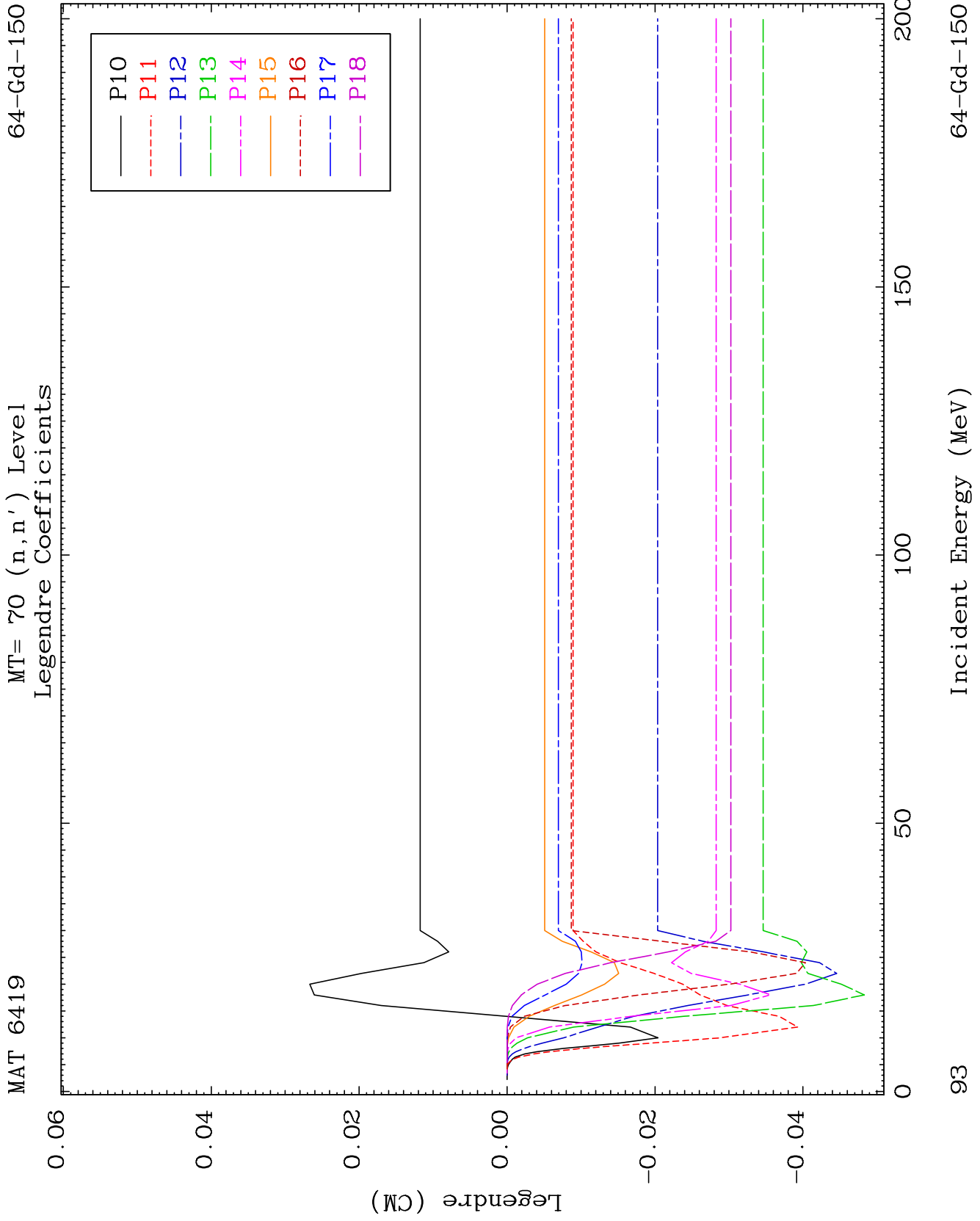
Incident Energy (MeV)

64-Gd-150

MAT 6419 MT= 70 (n,n') Level Legendre Coefficients 64-Gd-150



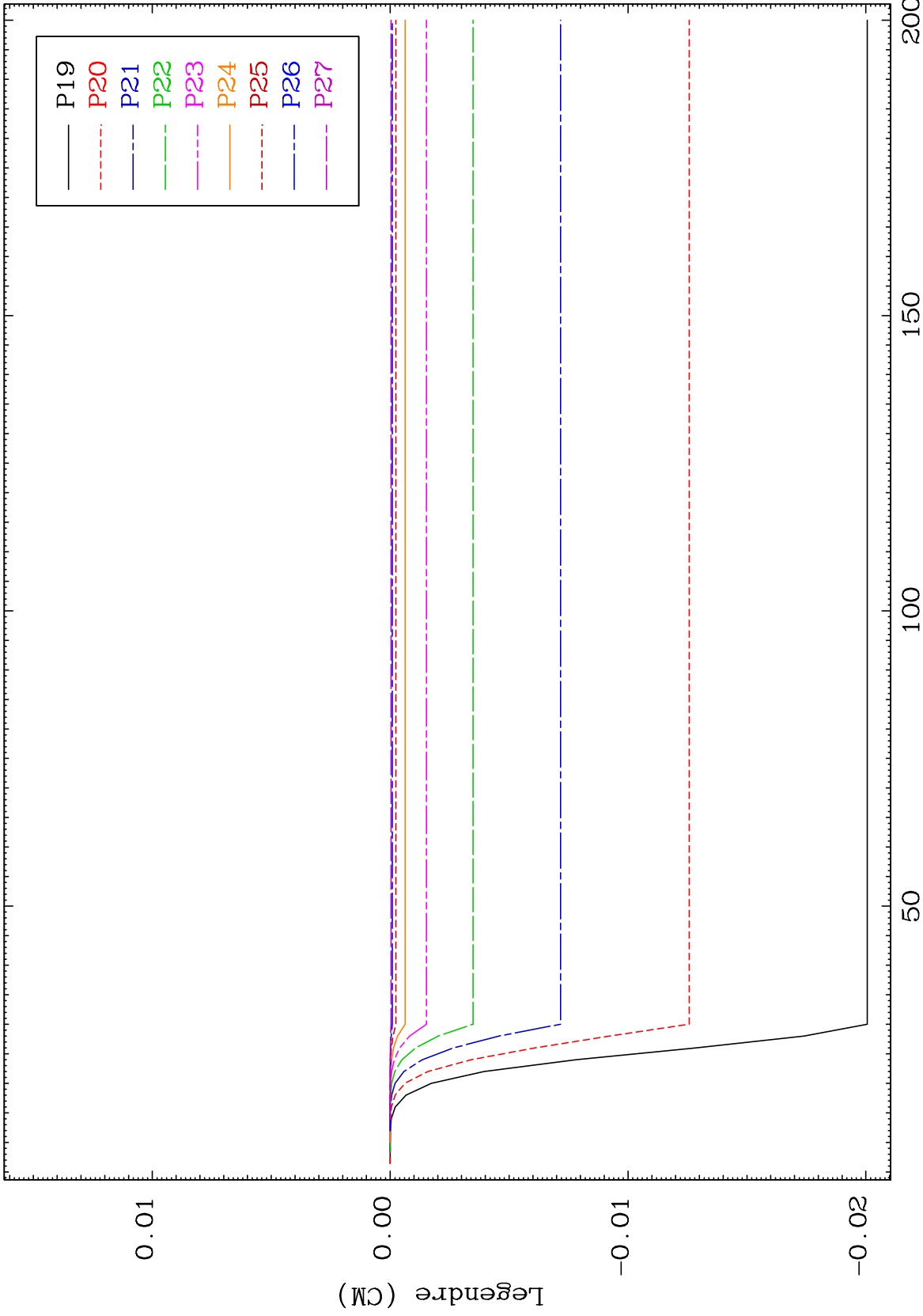
92 64-Gd-150



MAT 6419

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

64-Gd-150

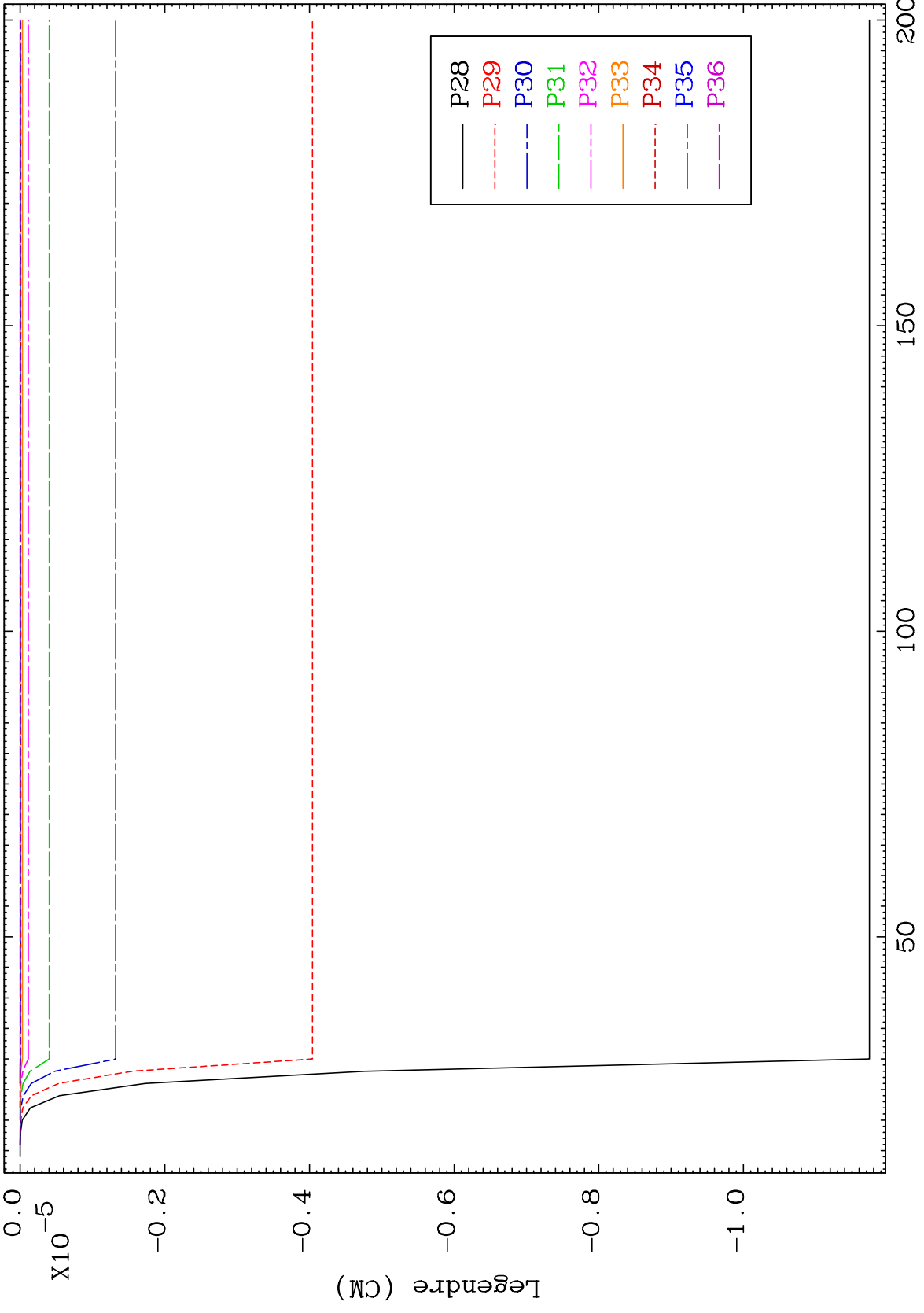


94

Incident Energy (MeV)

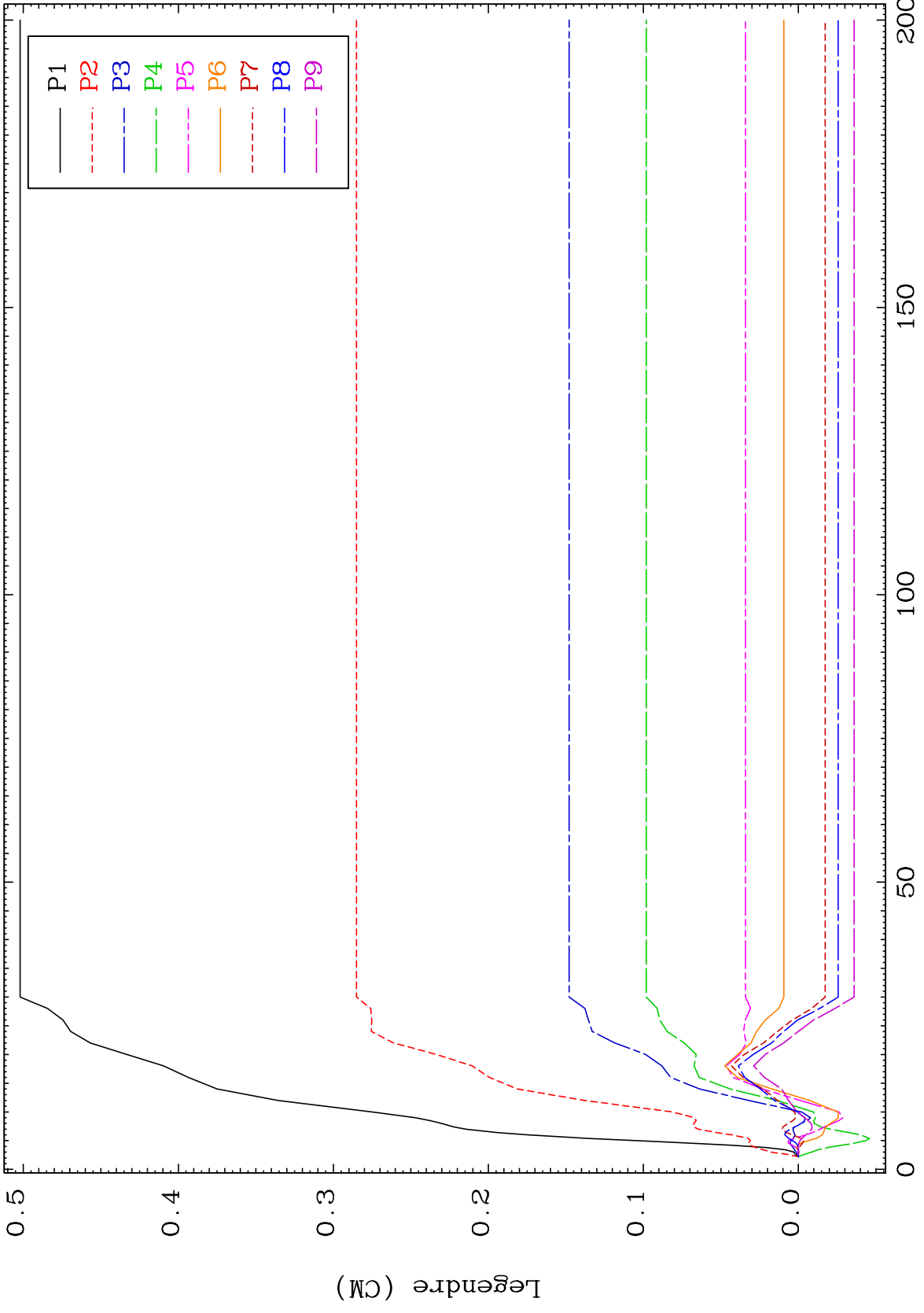
64-Gd-150

MAT 6419 MT= 70 (n,n') Level Legendre Coefficients 64-Gd-150



95 64-Gd-150

MAT 6419 MT= 71 (n,n') Level Legendre Coefficients 64-Gd-150

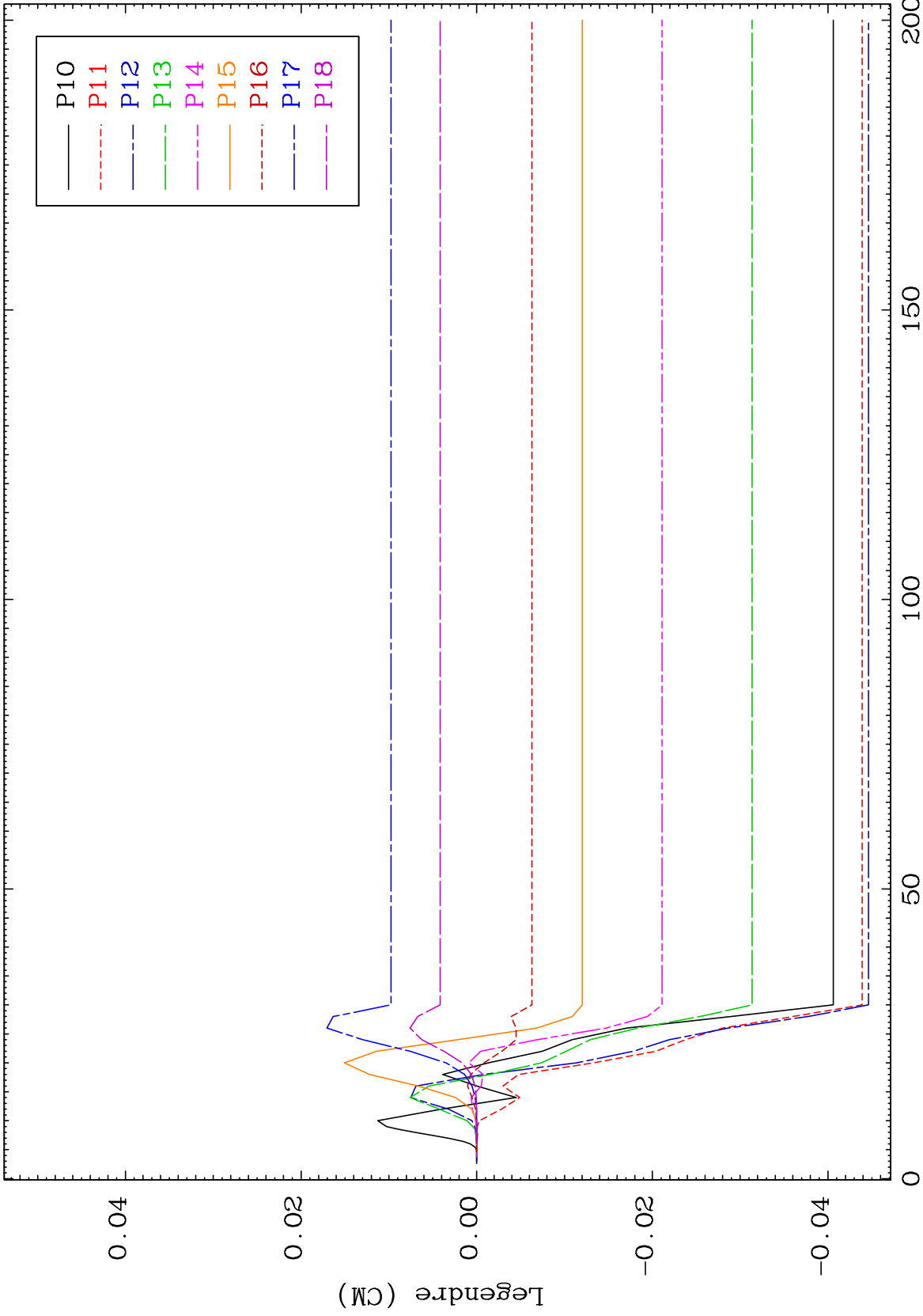


96 64-Gd-150

MAT 6419

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

64-Gd-150



97

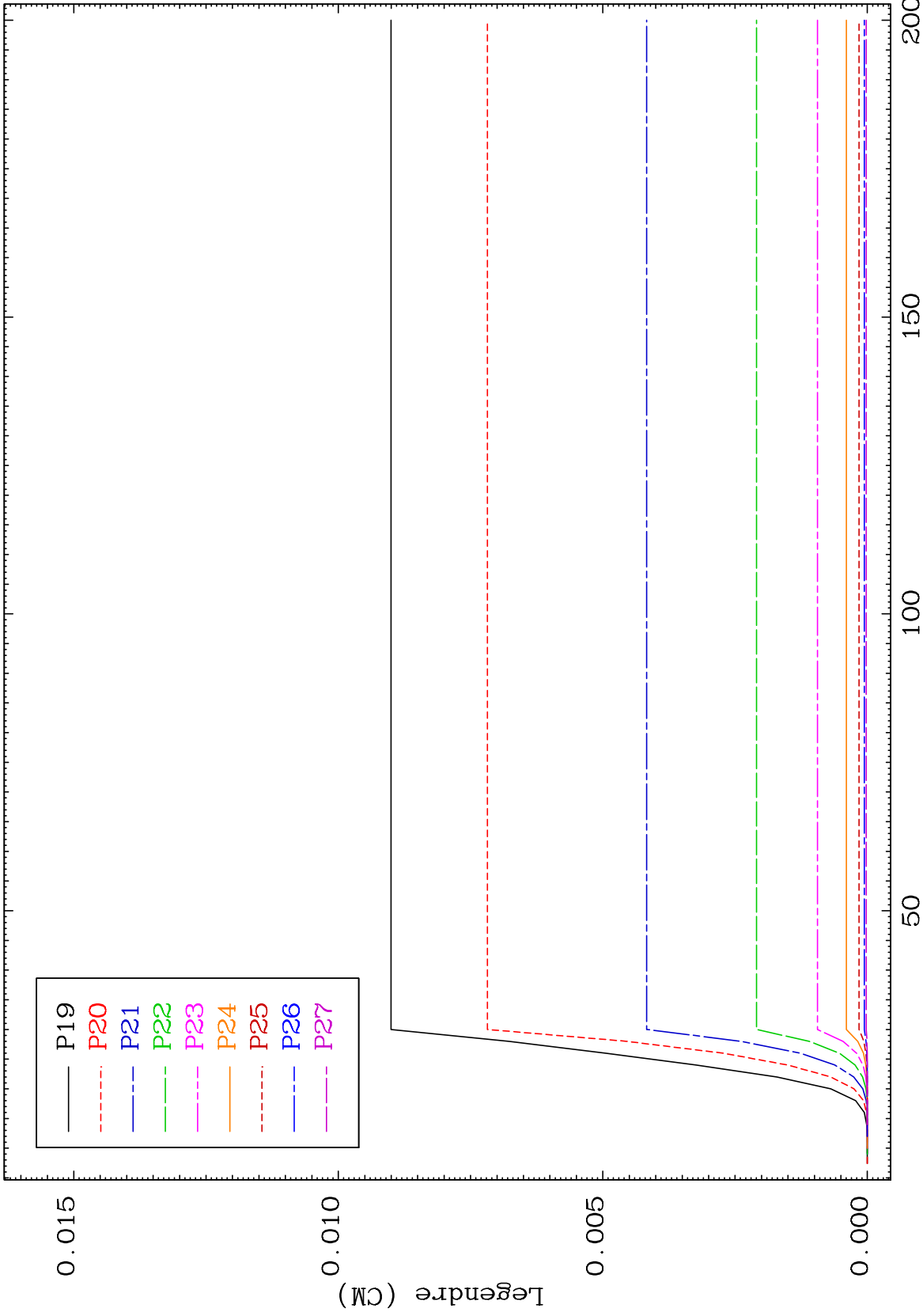
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

64-Gd-150



98

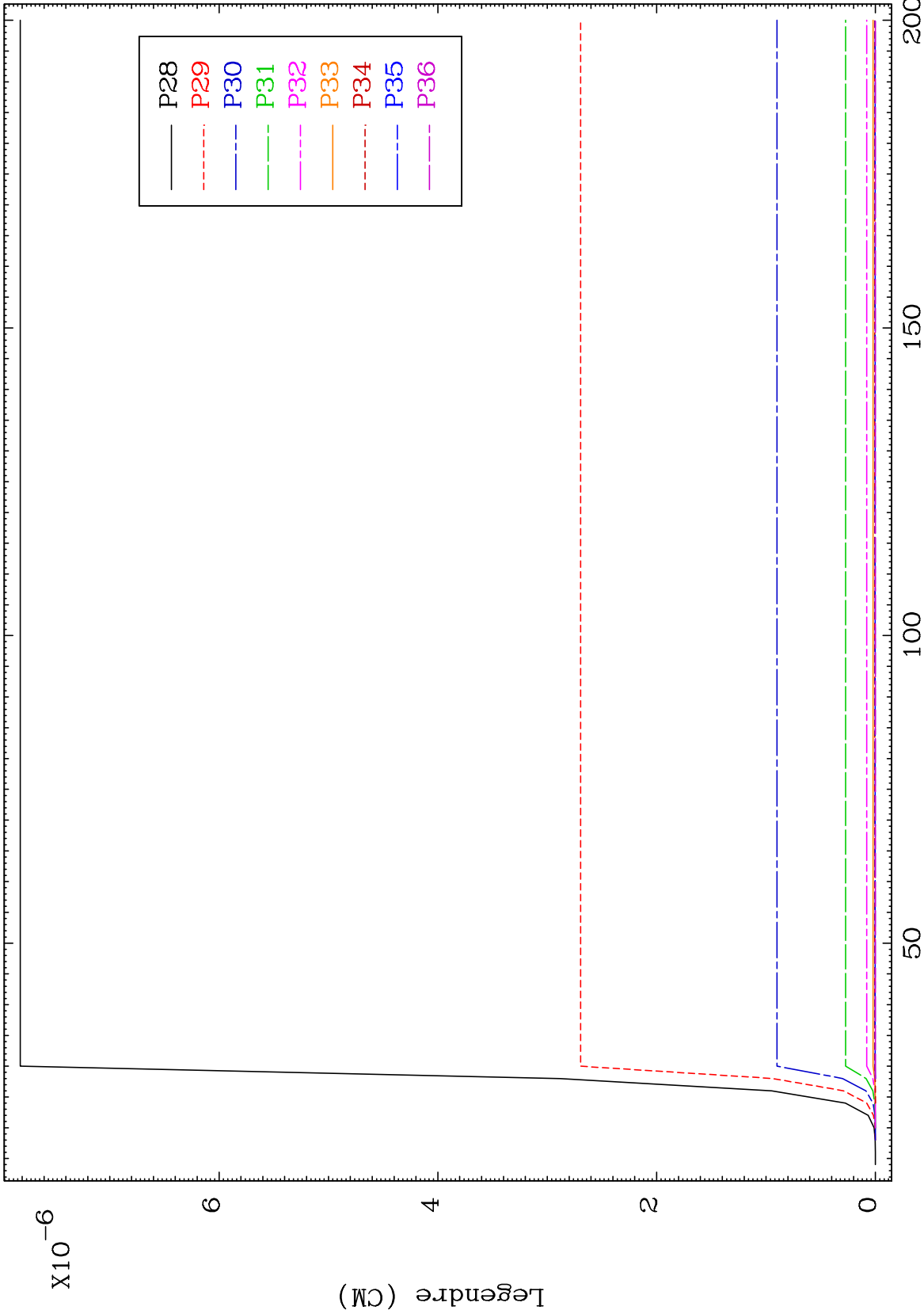
Incident Energy (MeV)

64-Gd-150

MAT 6419

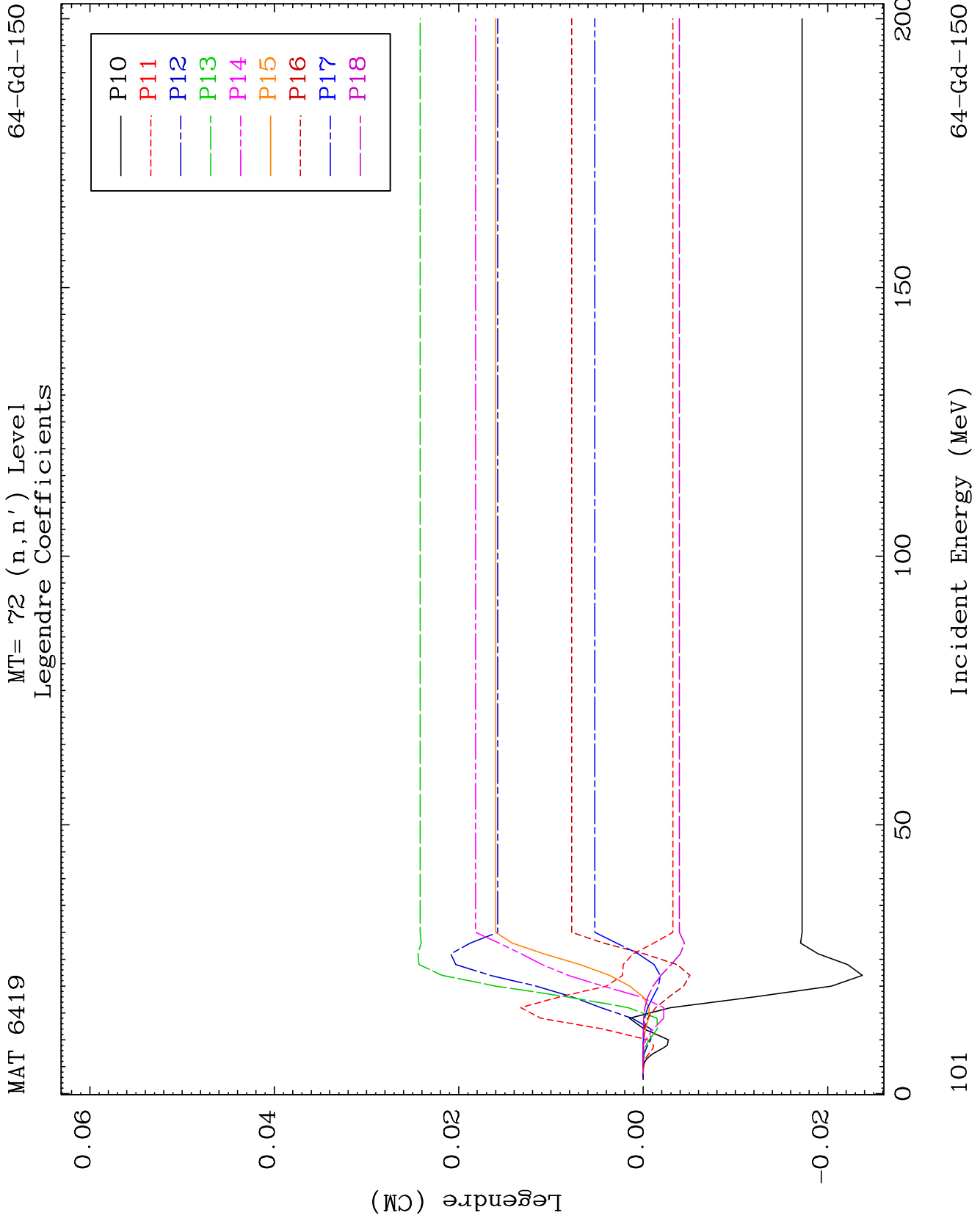
MT= 71 (n,n') Level
Legendre Coefficients

64-Gd-150



99

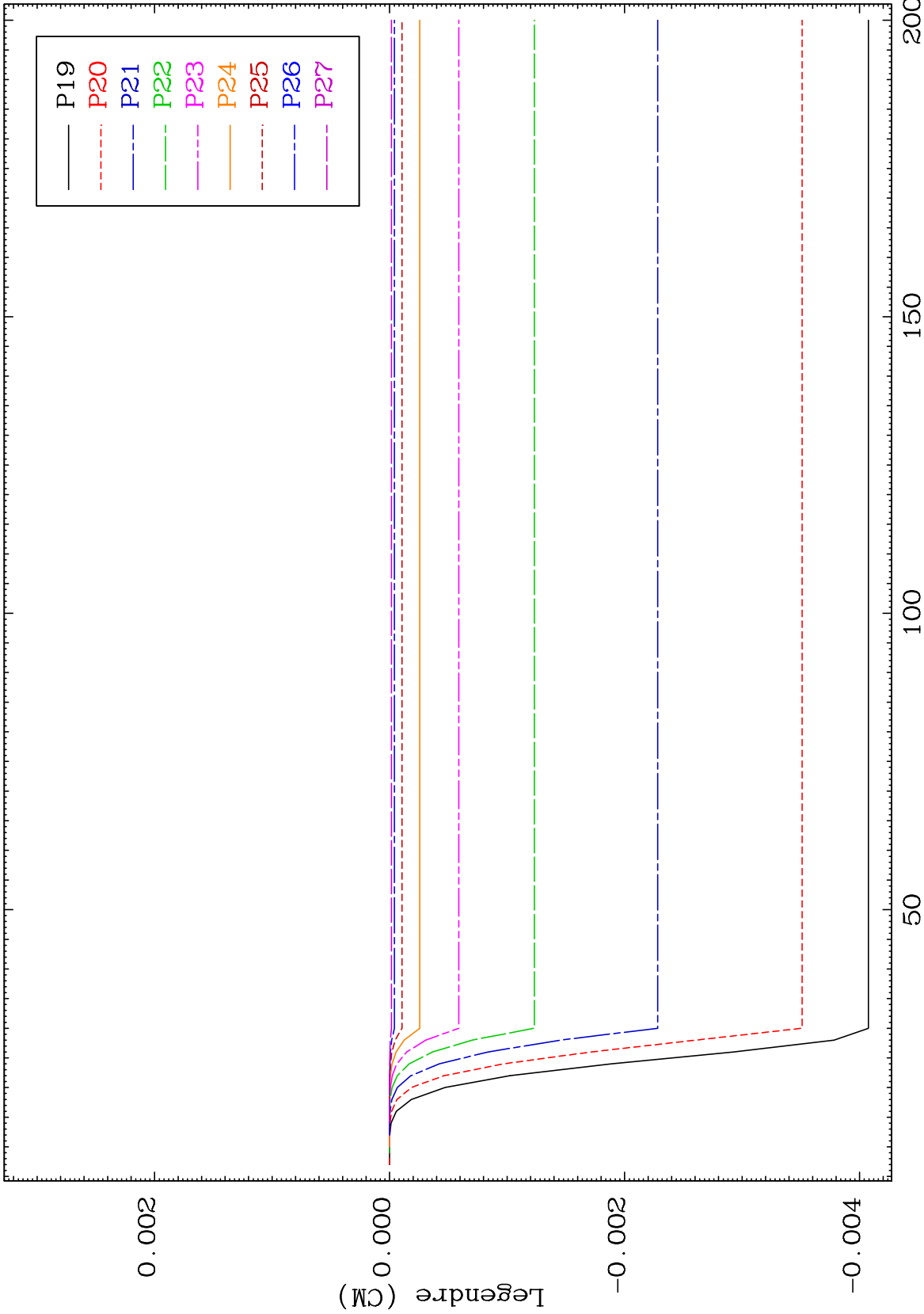
64-Gd-150



MAT 6419

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

64-Gd-150

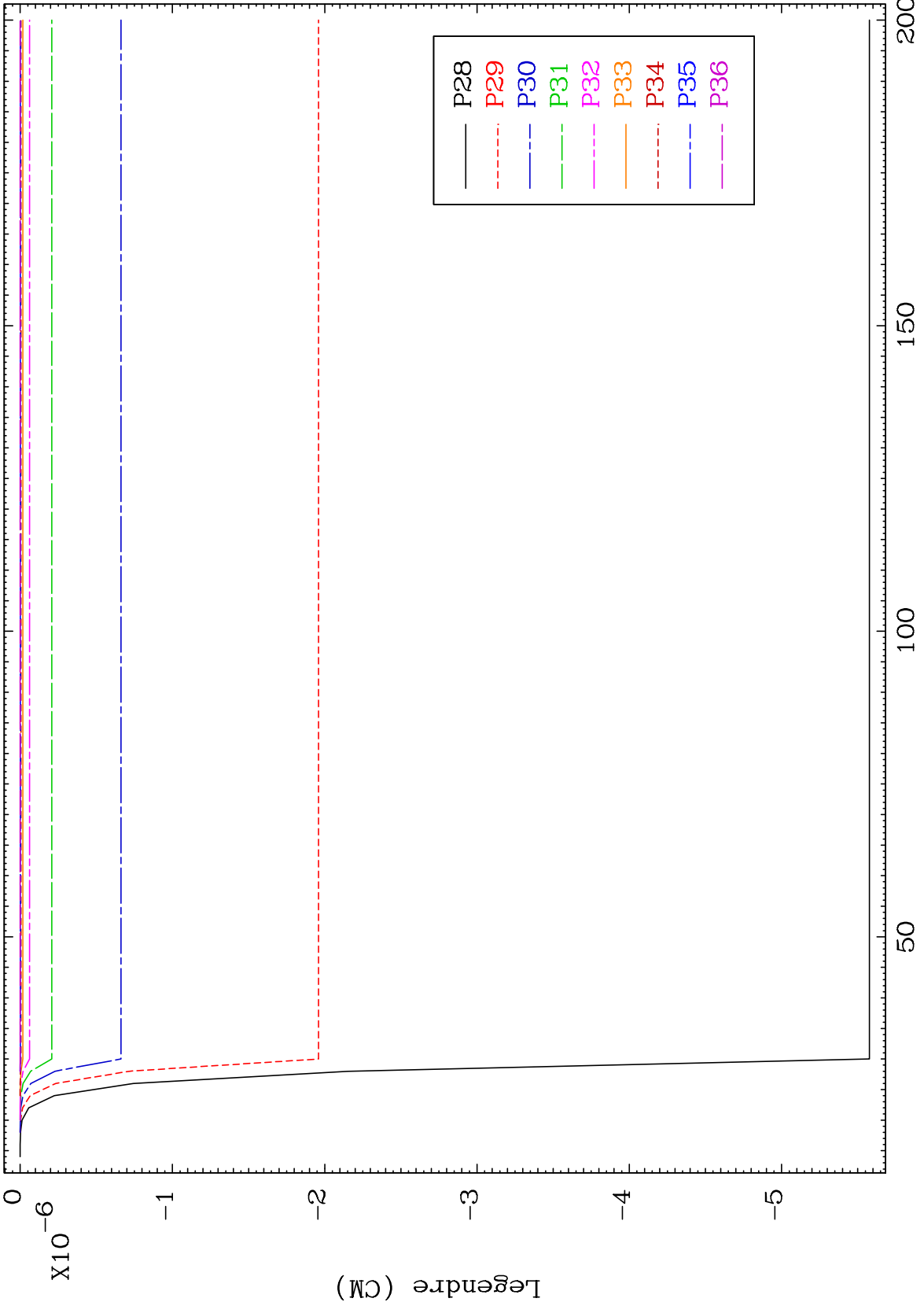


102

Incident Energy (MeV)

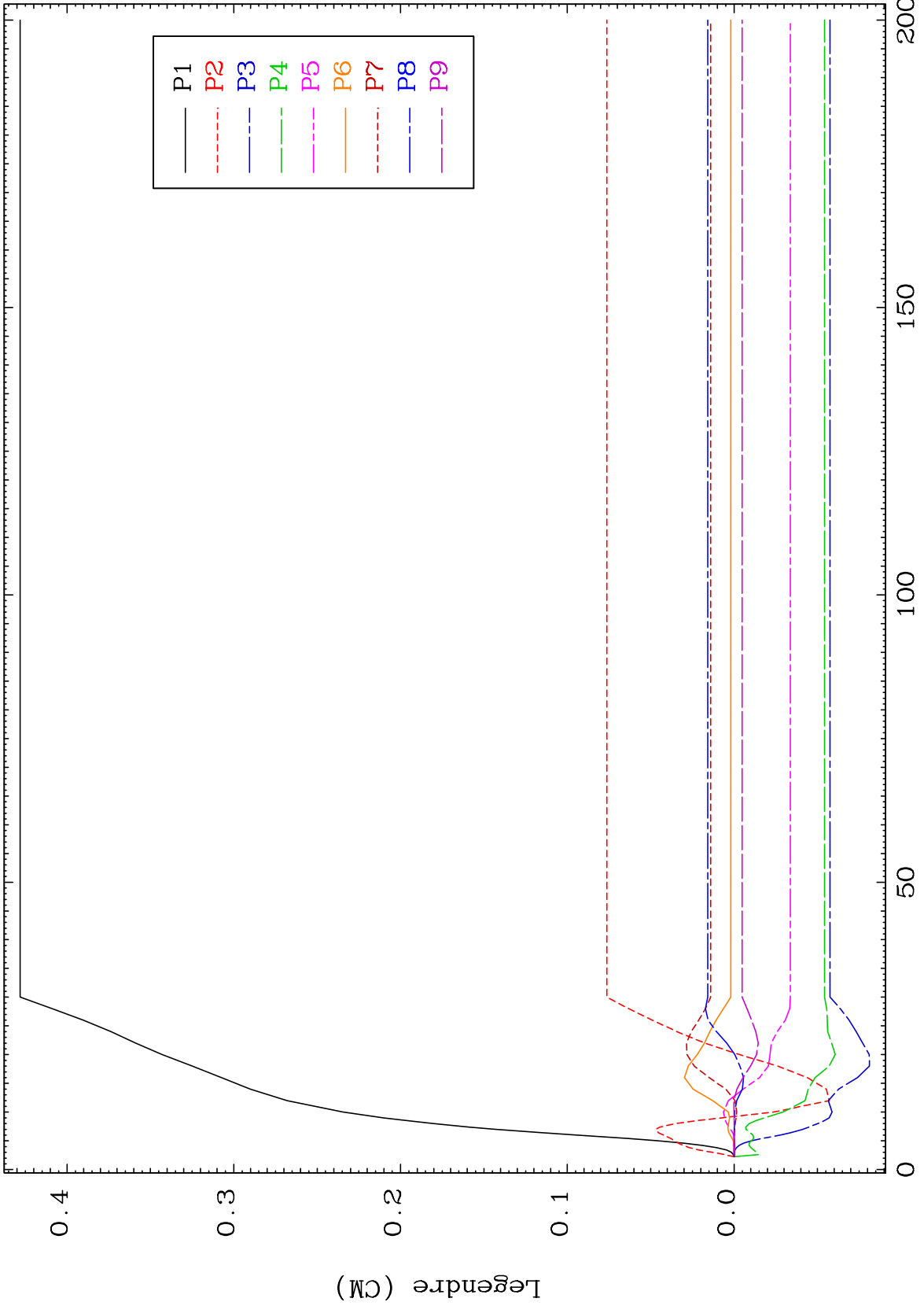
64-Gd-150

MAT 6419 MT= 72 (n,n') Level Legendre Coefficients 64-Gd-150



103 64-Gd-150

MAT 6419 MT= 73 (n,n') Level Legendre Coefficients 64-Gd-150

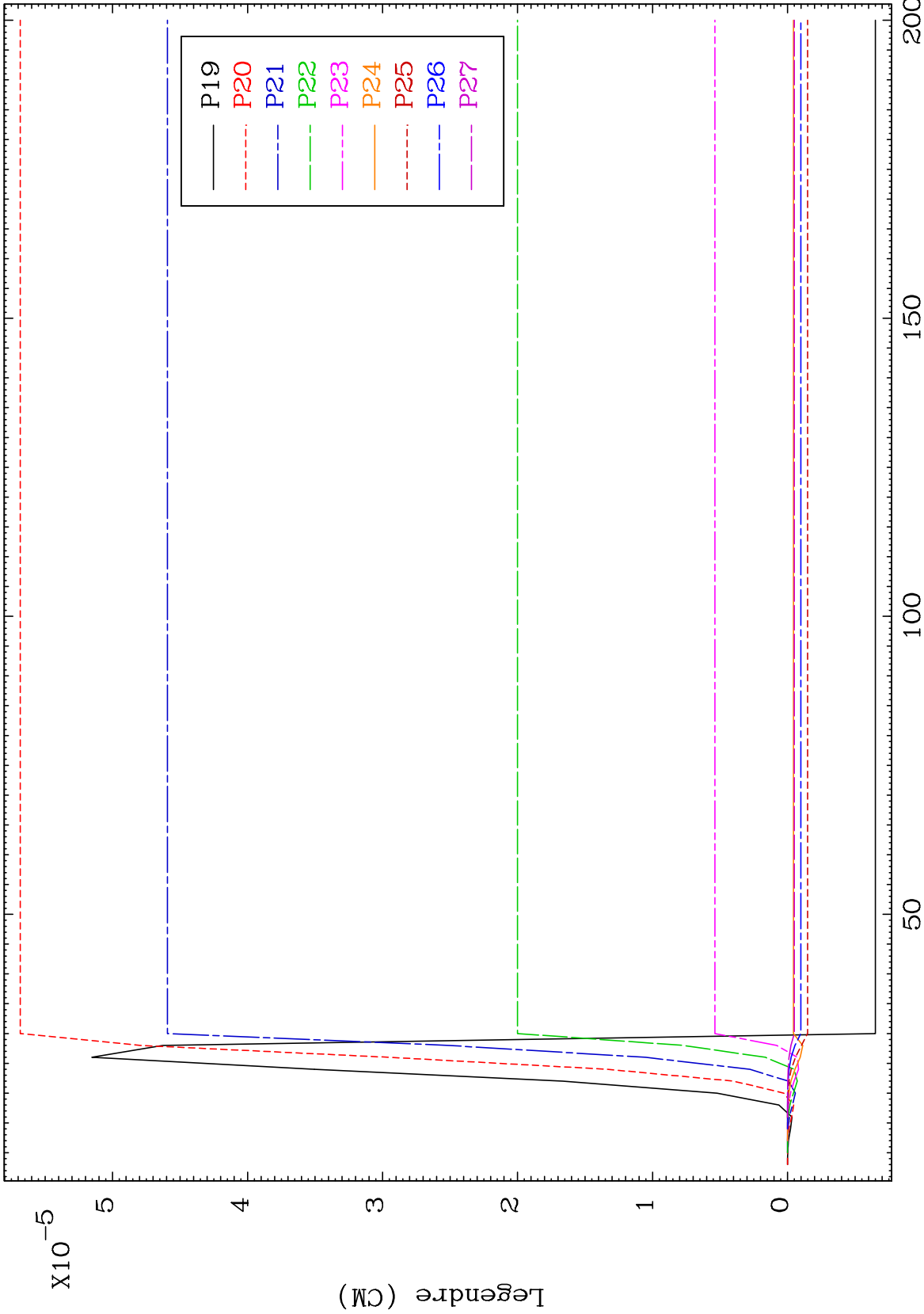


104 64-Gd-150

MAT 6419

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

64-Gd-150

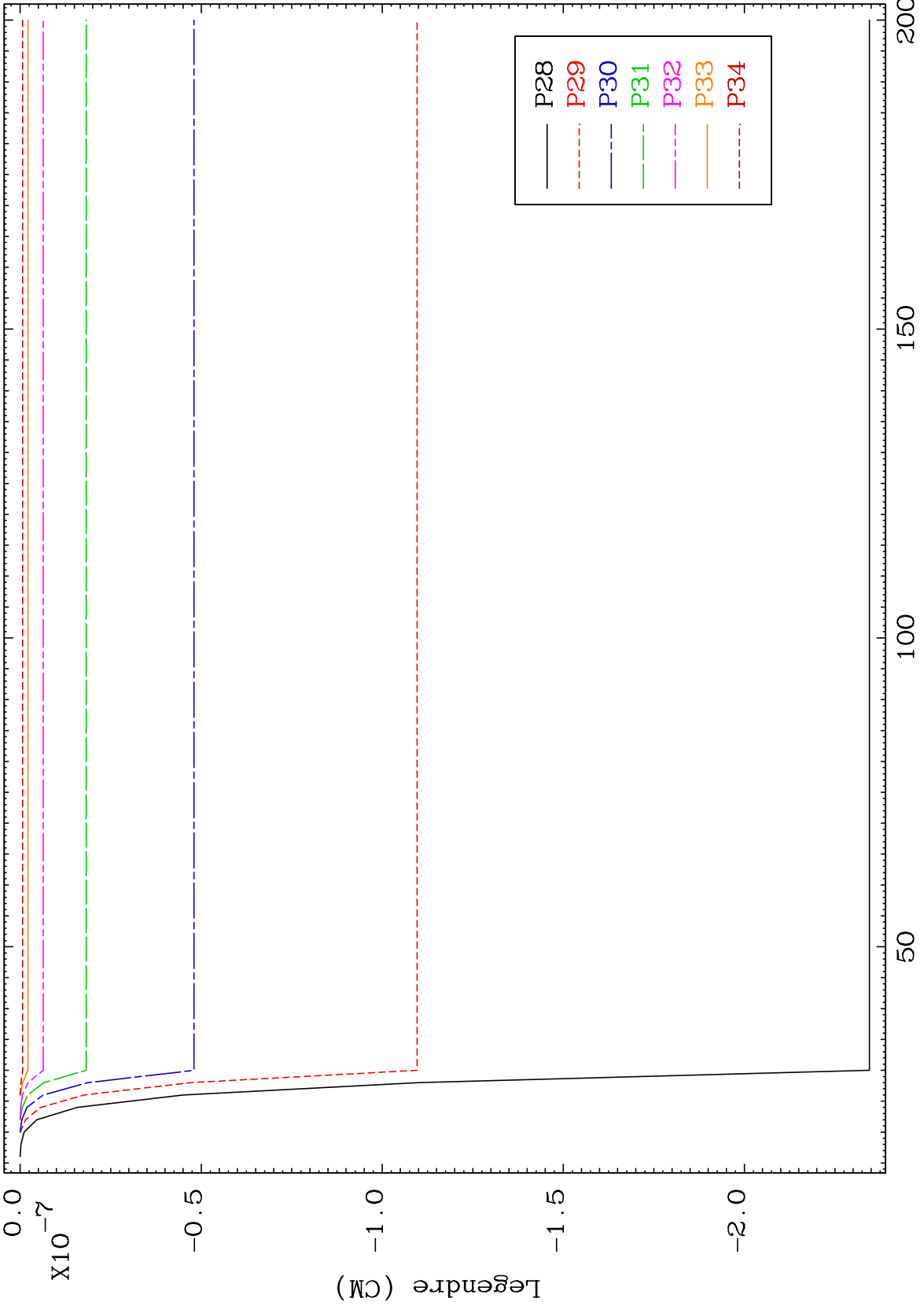


106

Incident Energy (MeV)

64-Gd-150

MAT 6419 MT= 73 (n,n') Level Legendre Coefficients 64-Gd-150

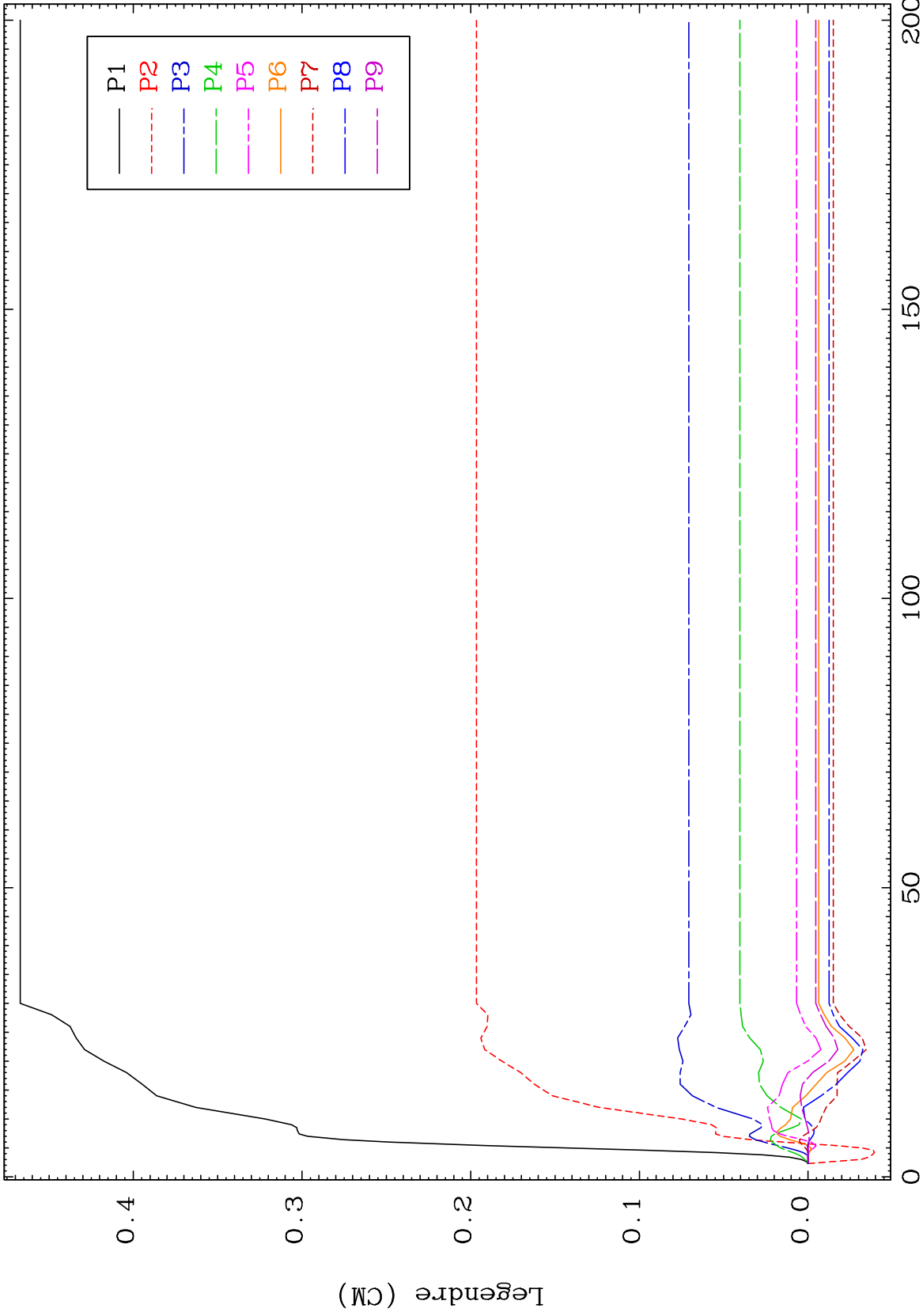


107 64-Gd-150

MAT 6419

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

64-Gd-150



108

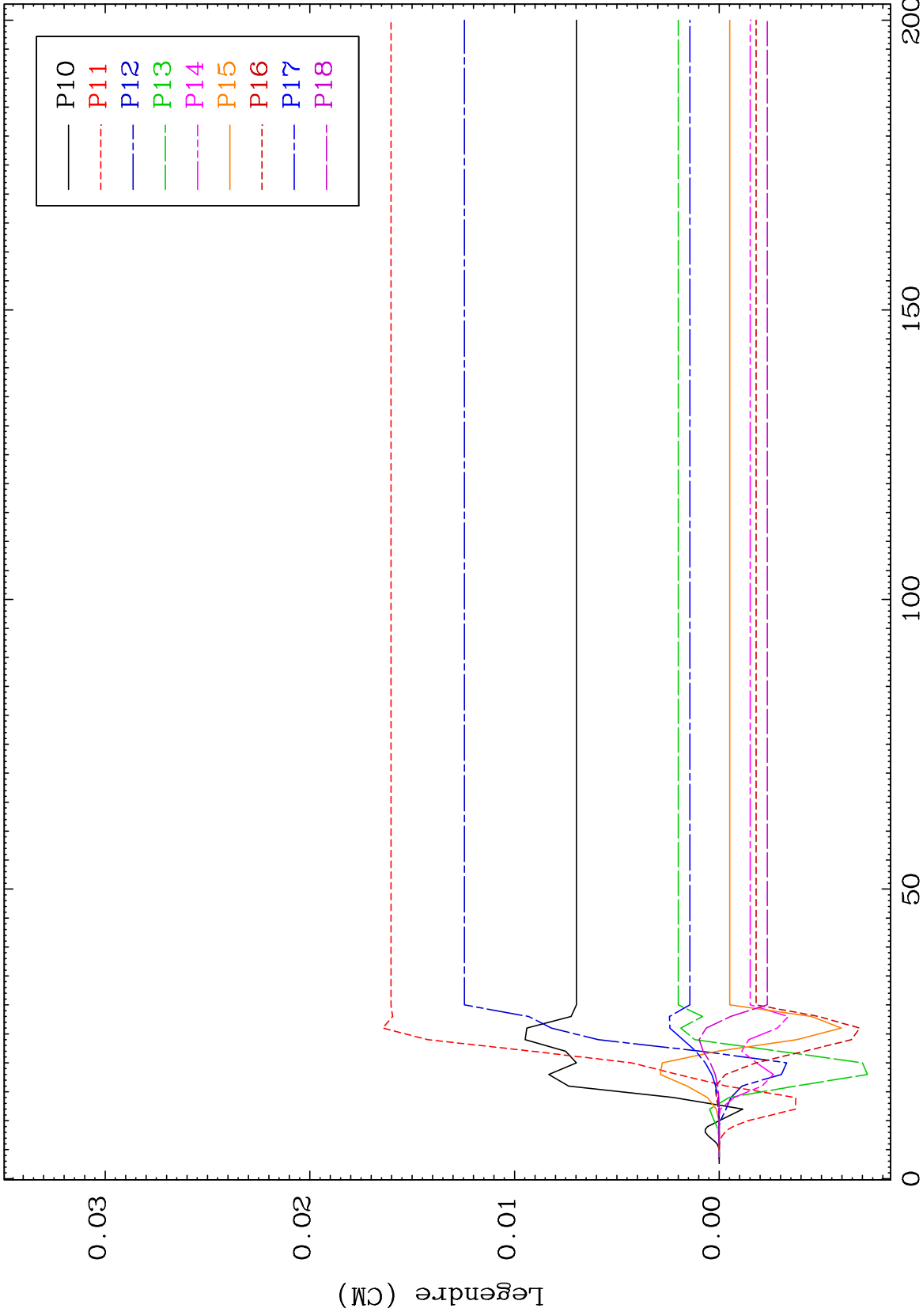
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

64-Gd-150



109

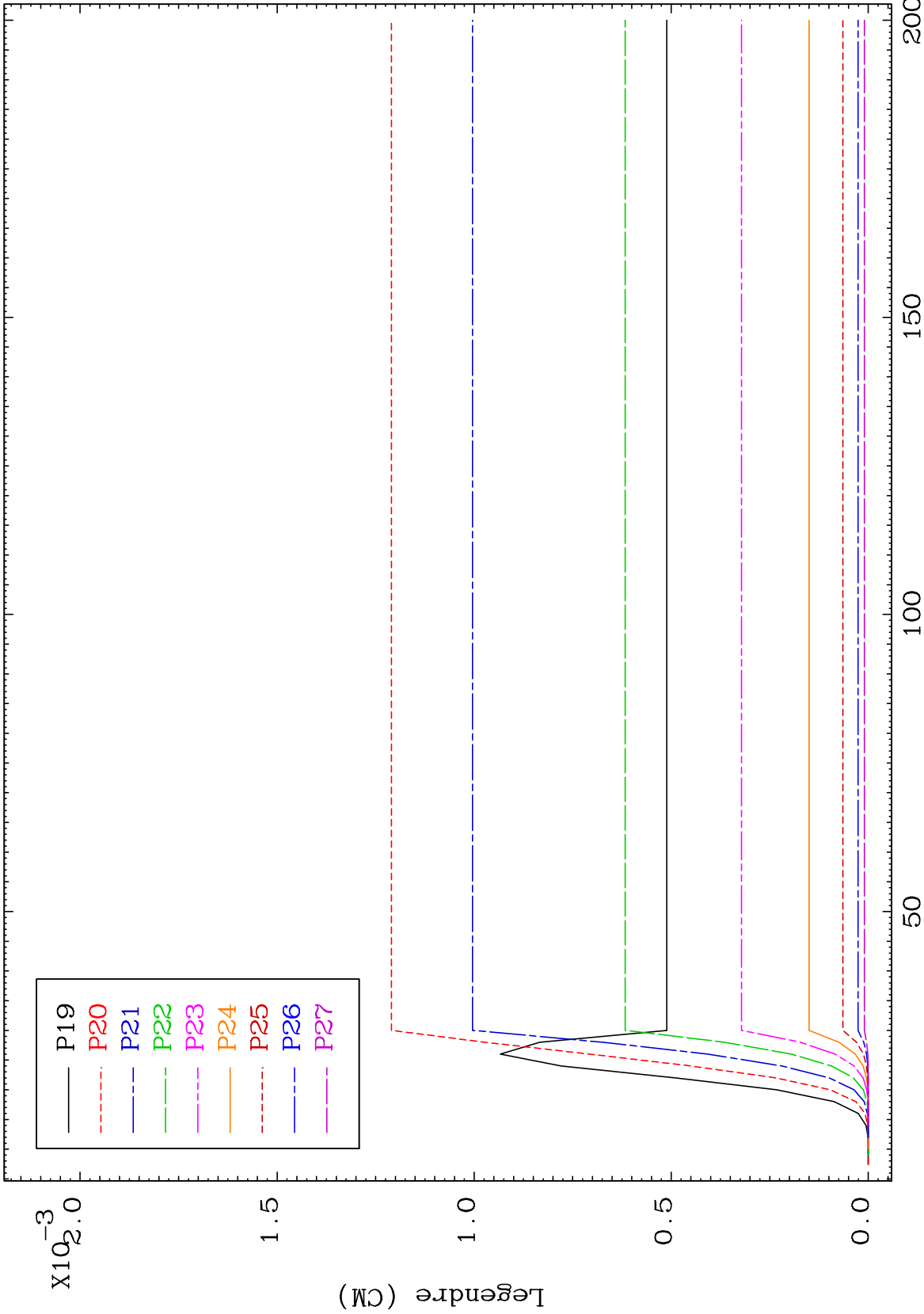
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

64-Gd-150



110

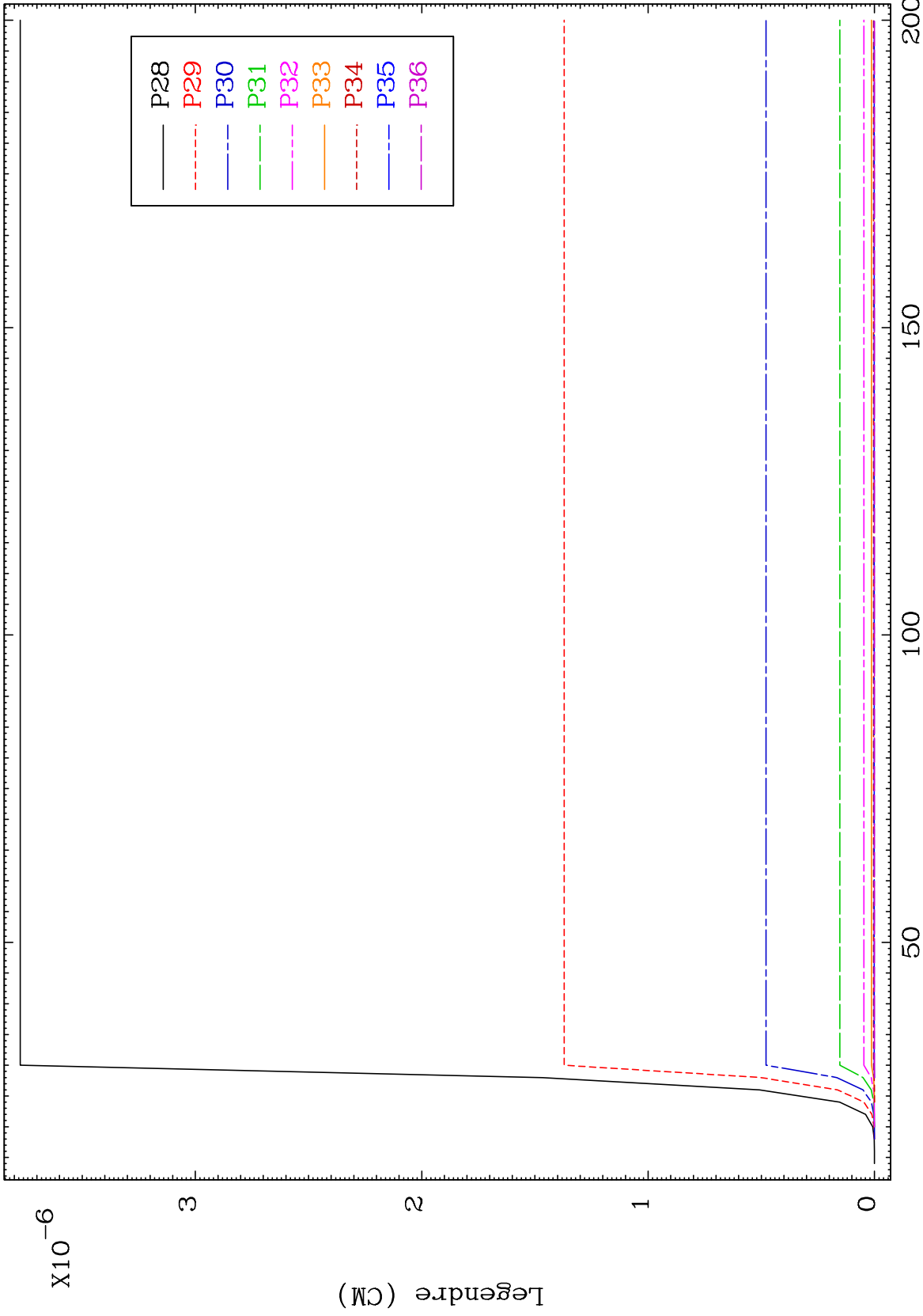
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

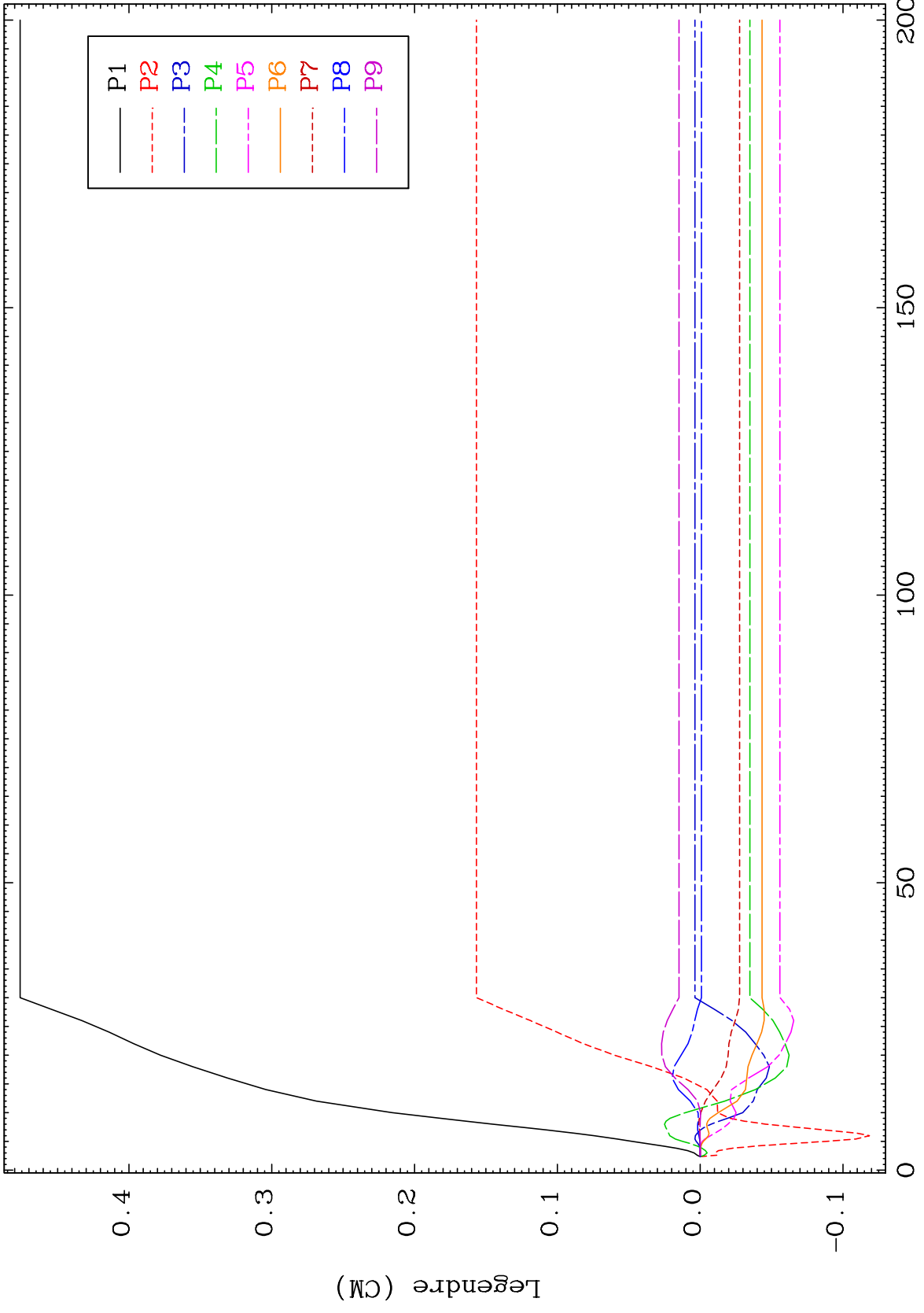
64-Gd-150



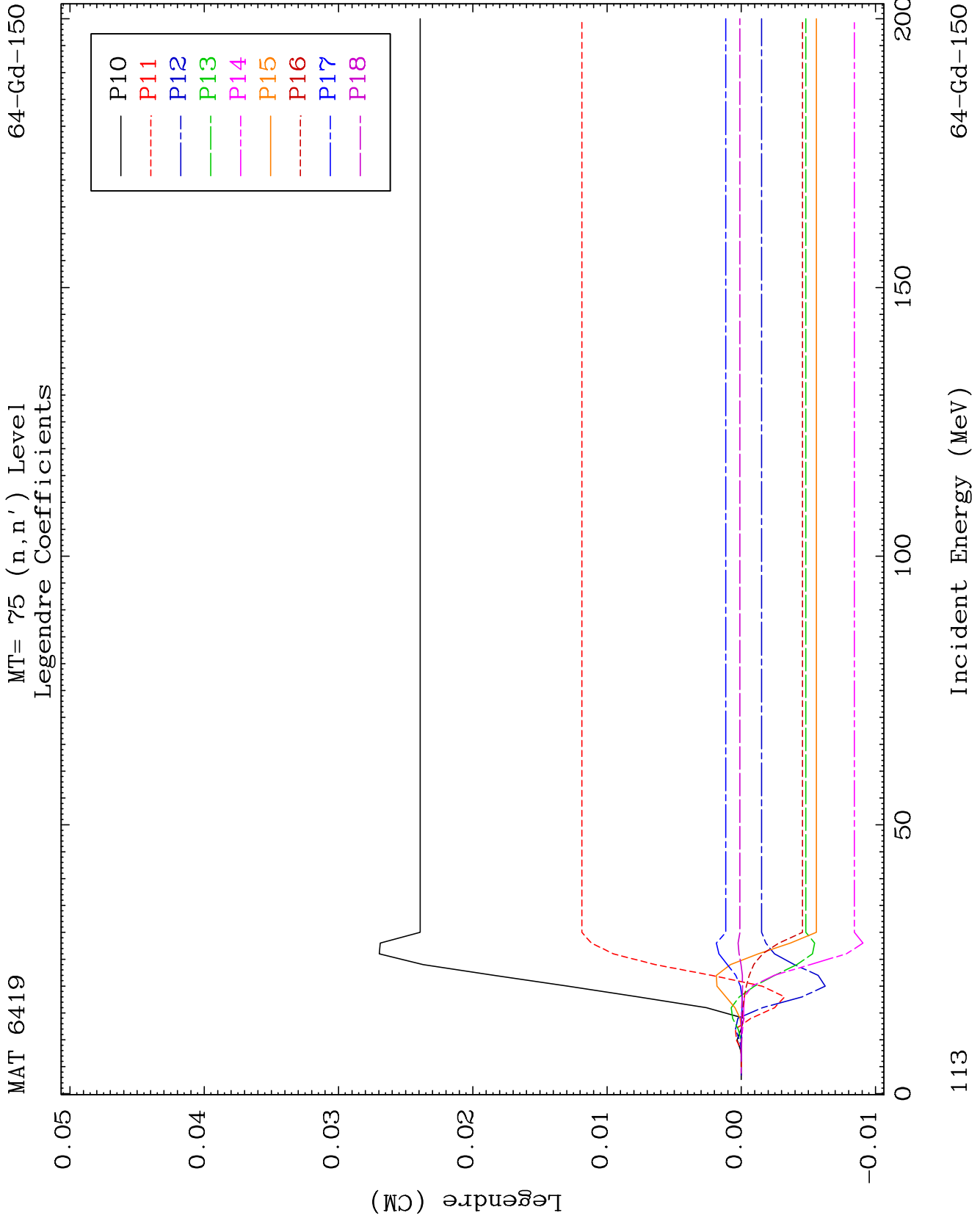
111

64-Gd-150

MAT 6419 MT= 75 (n,n') Level Legendre Coefficients 64-Gd-150



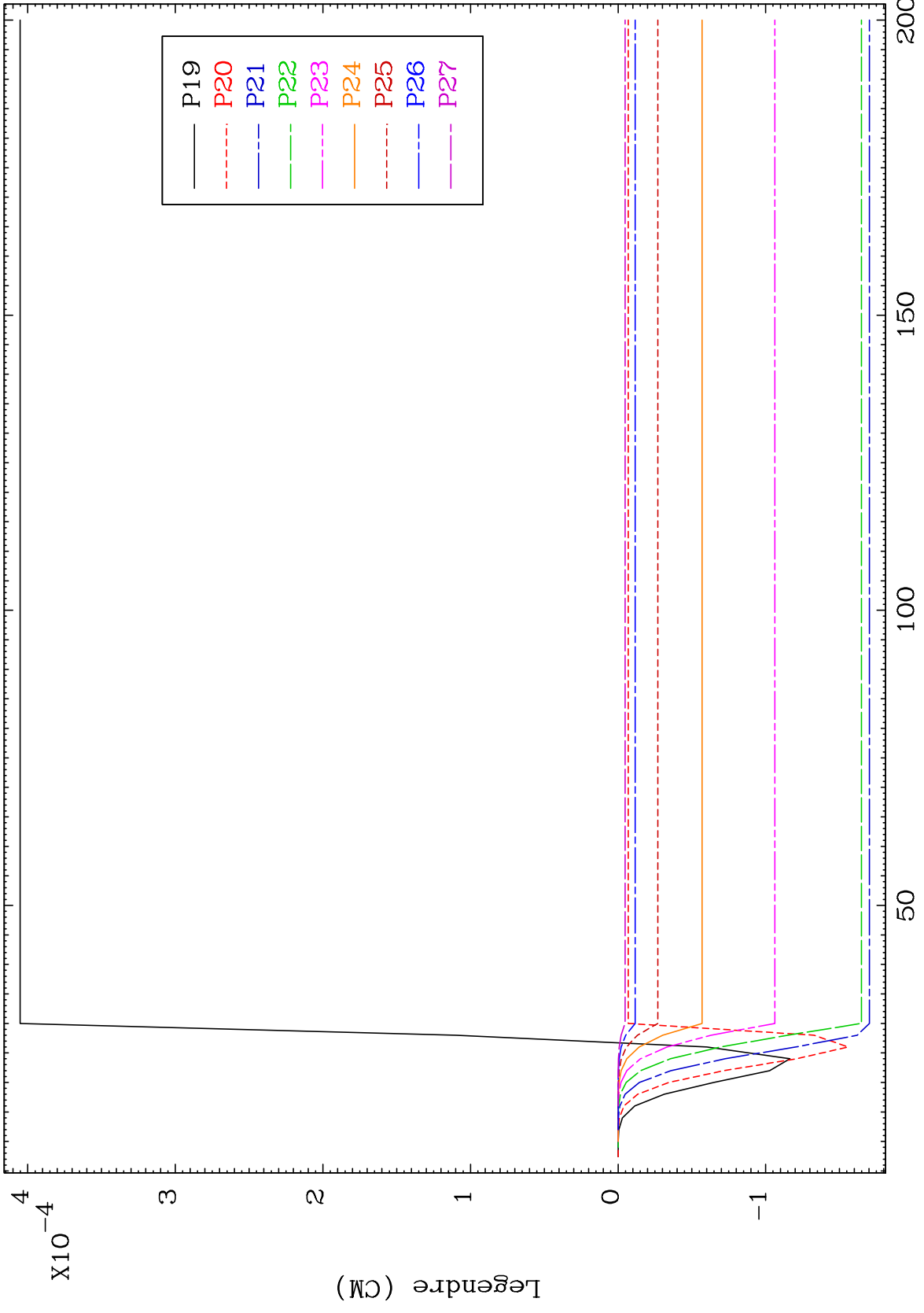
112 64-Gd-150



MAT 6419

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

64-Gd-150

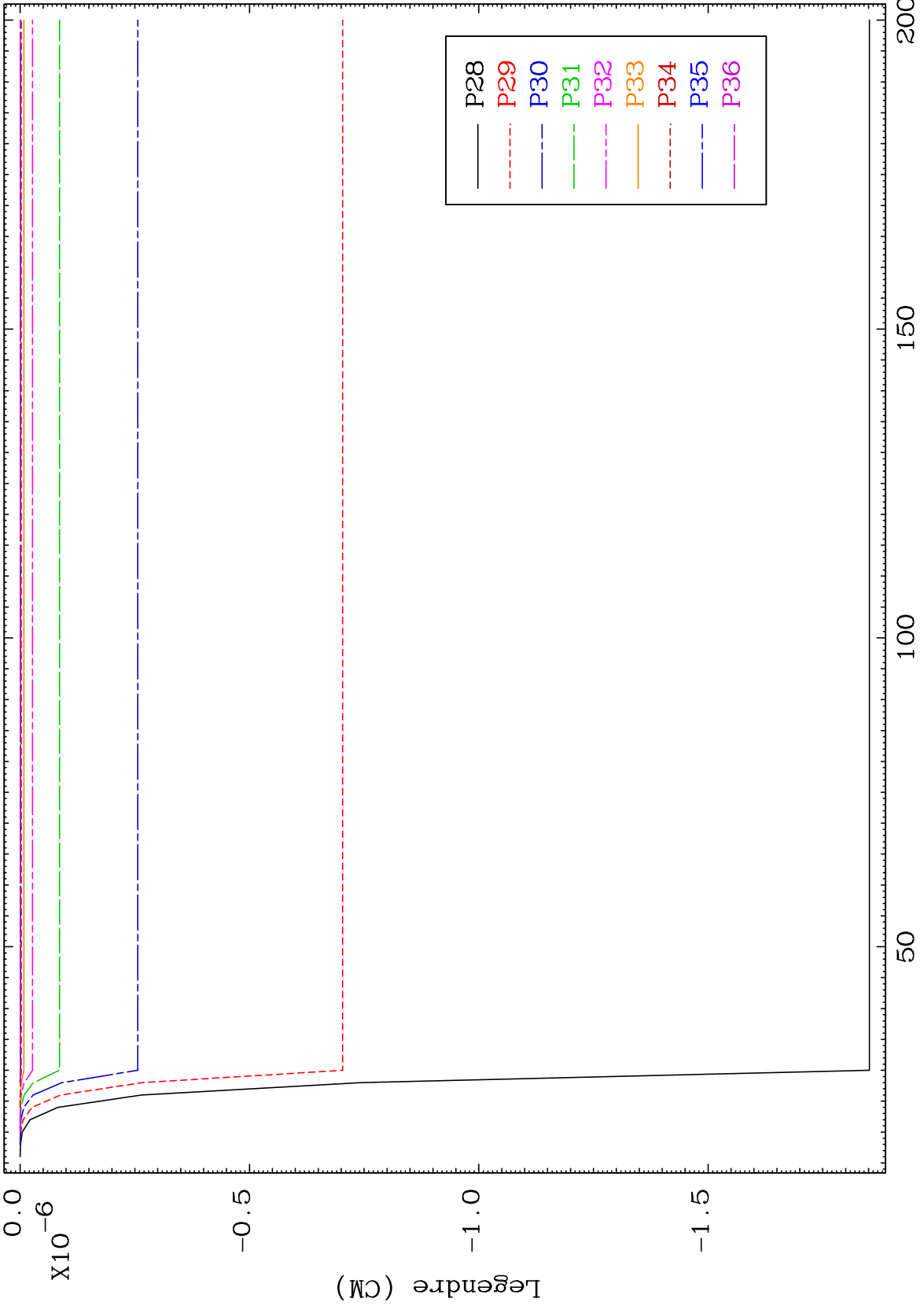


114

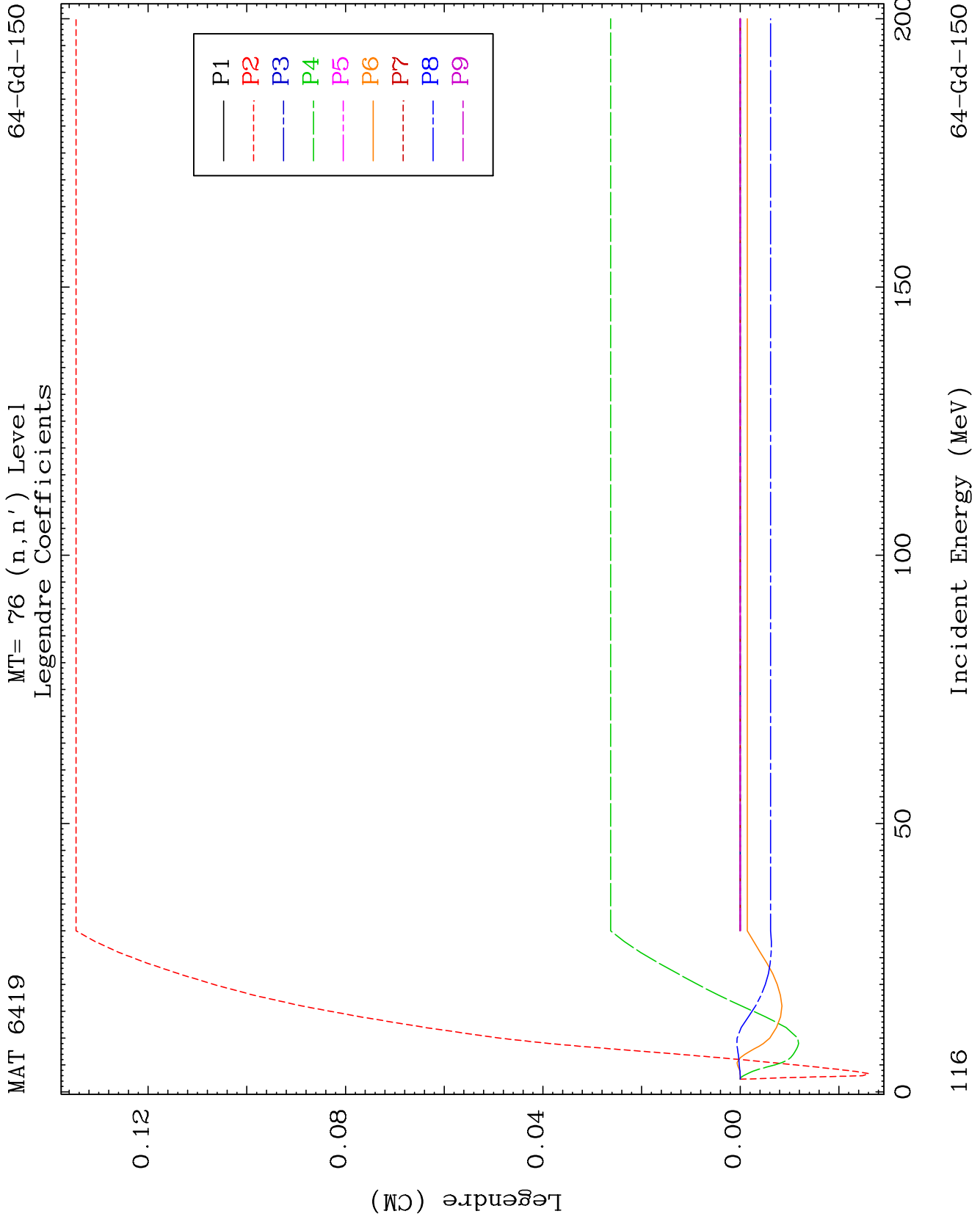
Incident Energy (MeV)

64-Gd-150

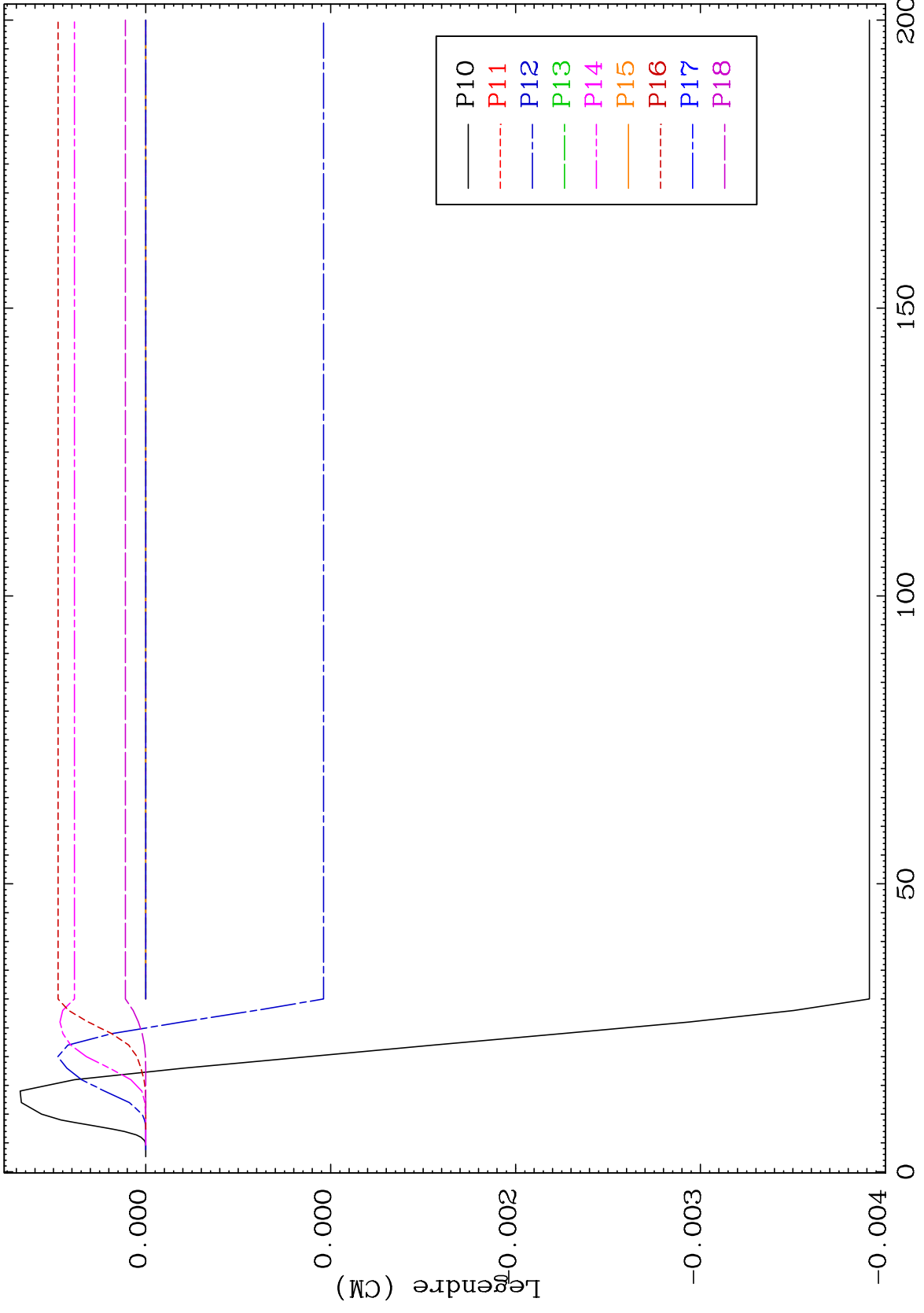
MAT 6419 MT= 75 (n,n') Level Legendre Coefficients 64-Gd-150



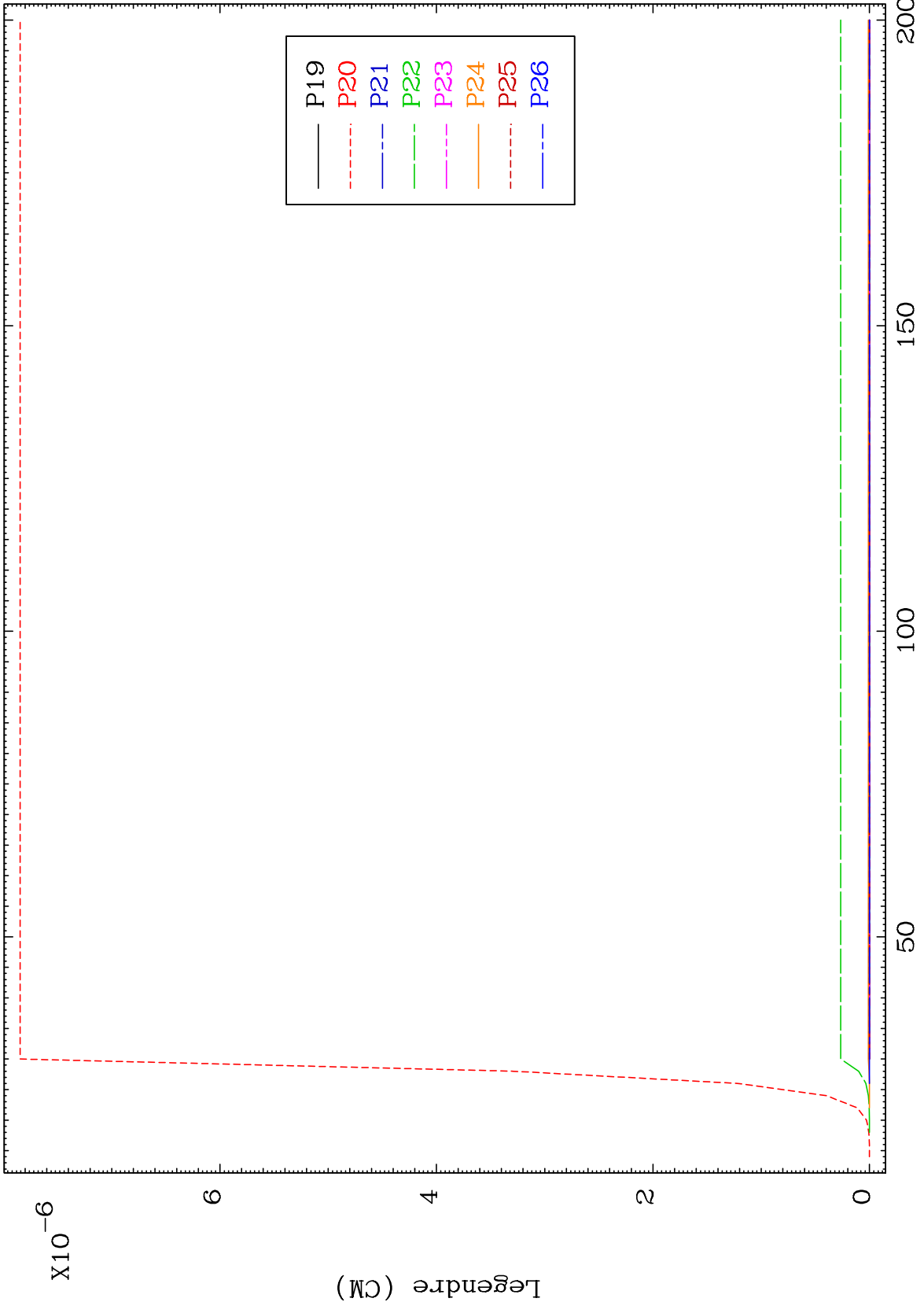
115 64-Gd-150



MAT 6419 MT= 76 (n,n') Level Legendre Coefficients 64-Gd-150



MAT 6419 MT= 76 (n,n') Level Legendre Coefficients 64-Gd-150

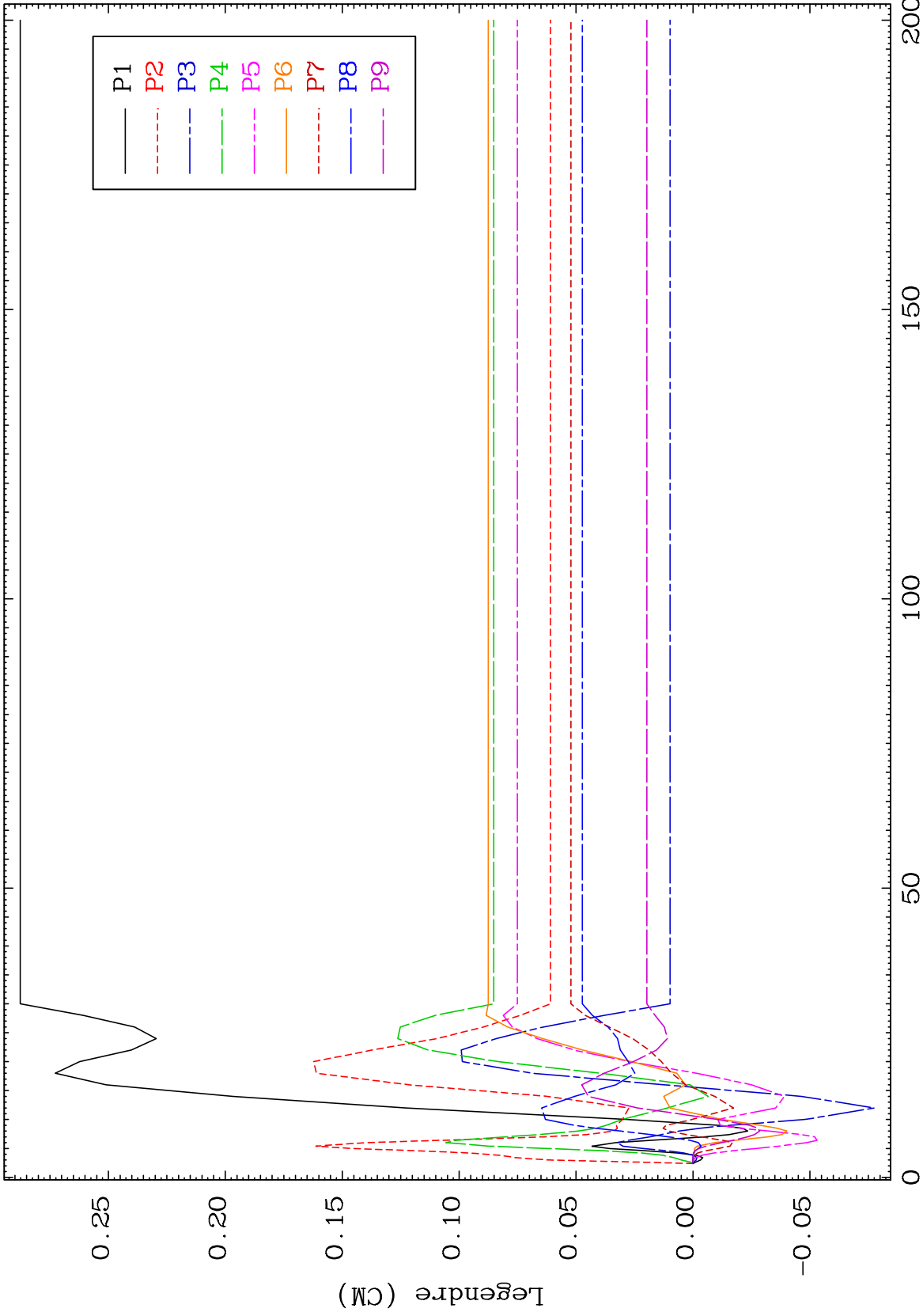


118 64-Gd-150

MAT 6419

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

64-Gd-150



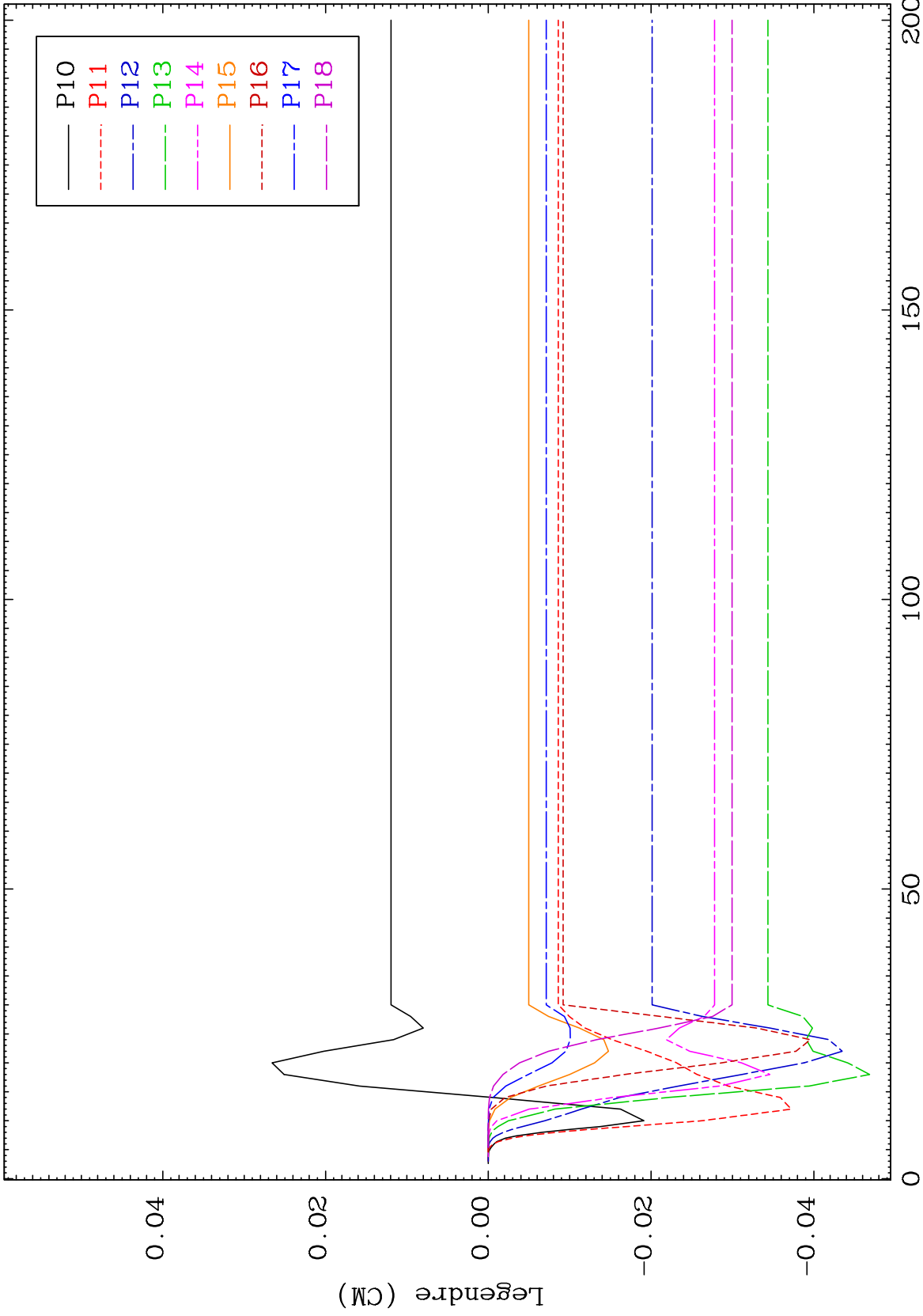
119

64-Gd-150

MAT 6419

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

64-Gd-150



120

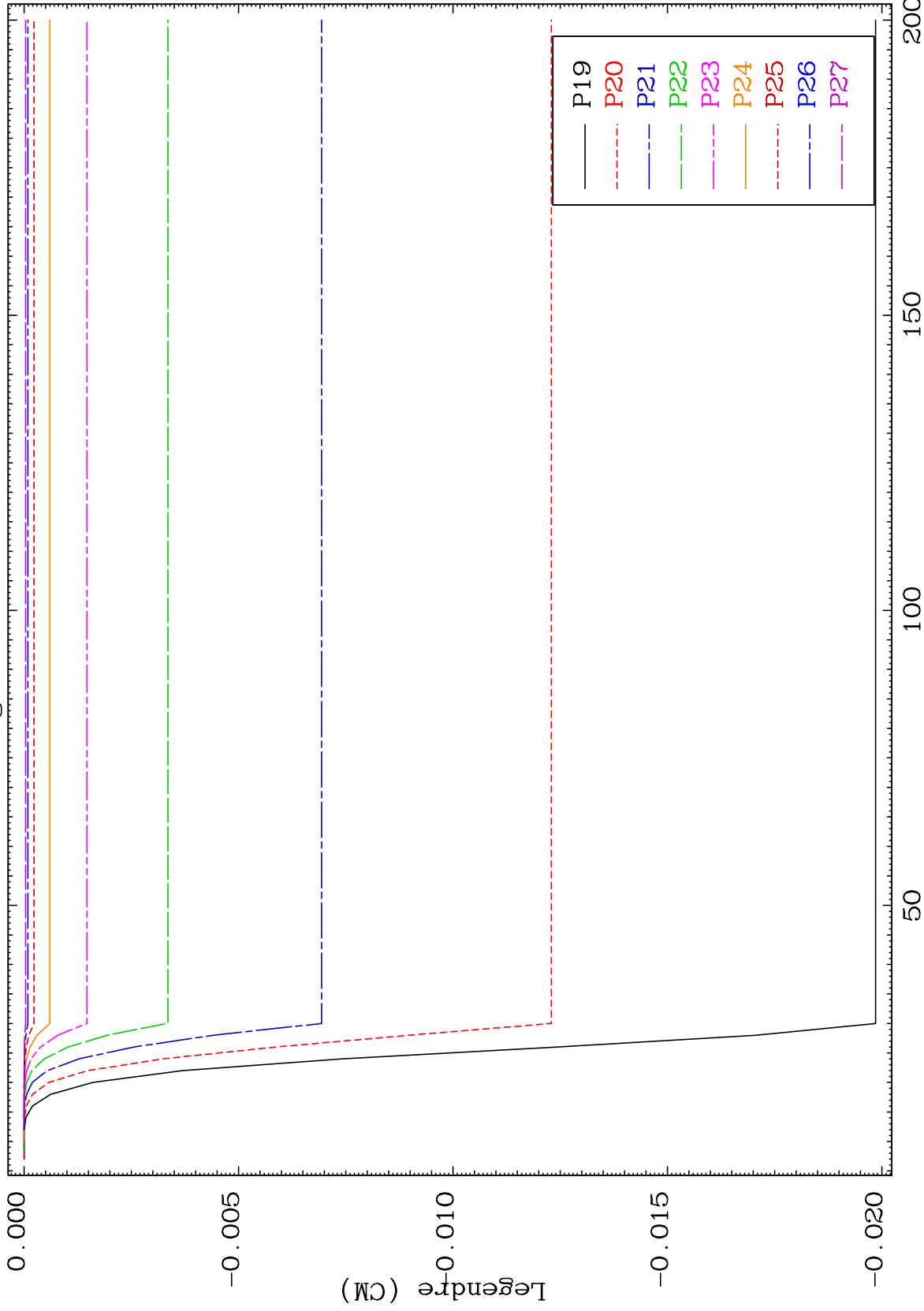
Incident Energy (MeV)

150

200

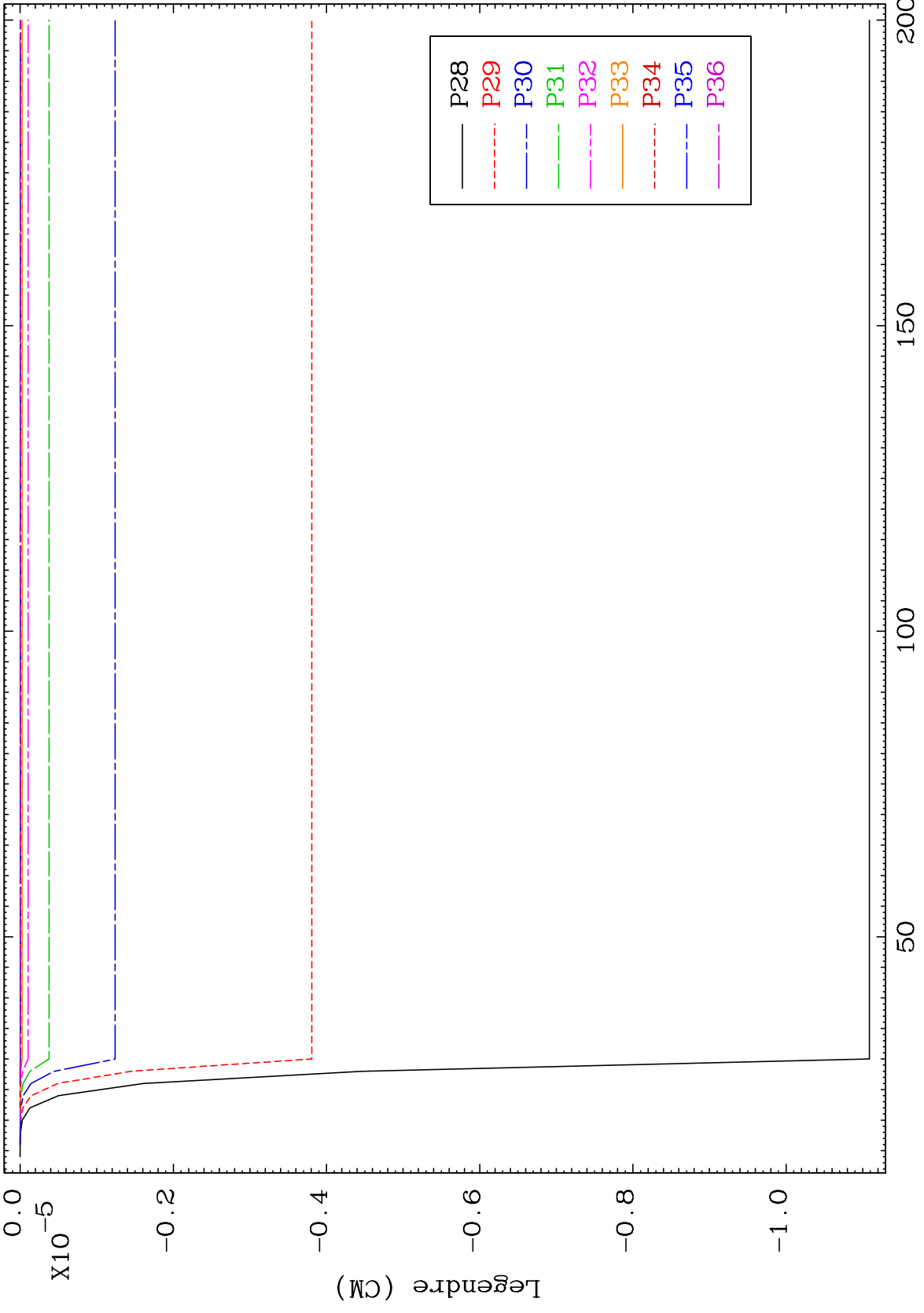
64-Gd-150

MAT 6419 MT= 77 (n,n') Level Legendre Coefficients 64-Gd-150



121 64-Gd-150

MAT 6419 MT= 77 (n,n') Level Legendre Coefficients 64-Gd-150

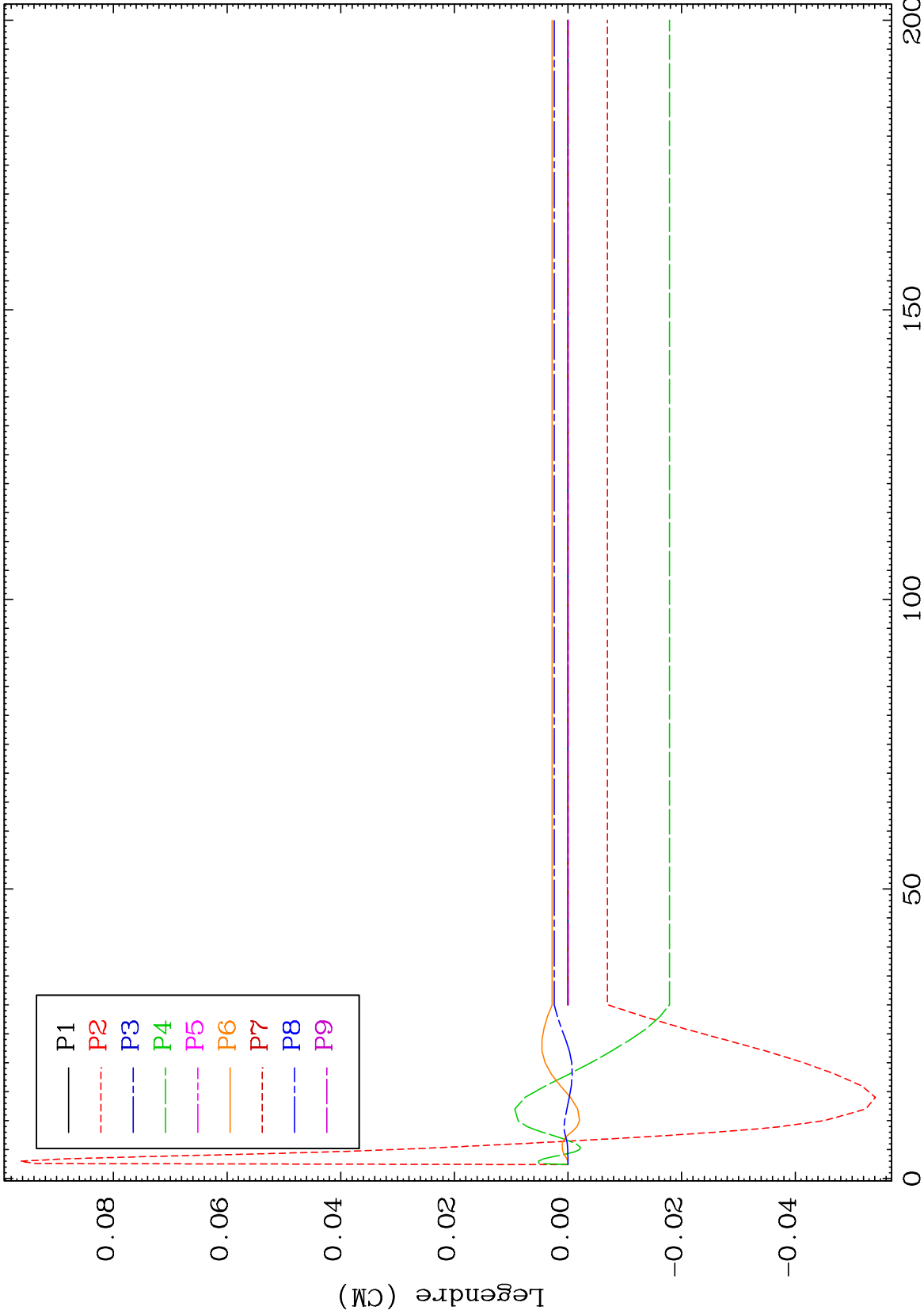


122 64-Gd-150 Incident Energy (MeV)

MAT 6419

MT= 78 (n,n') Level
Legendre Coefficients

64-Gd-150



123

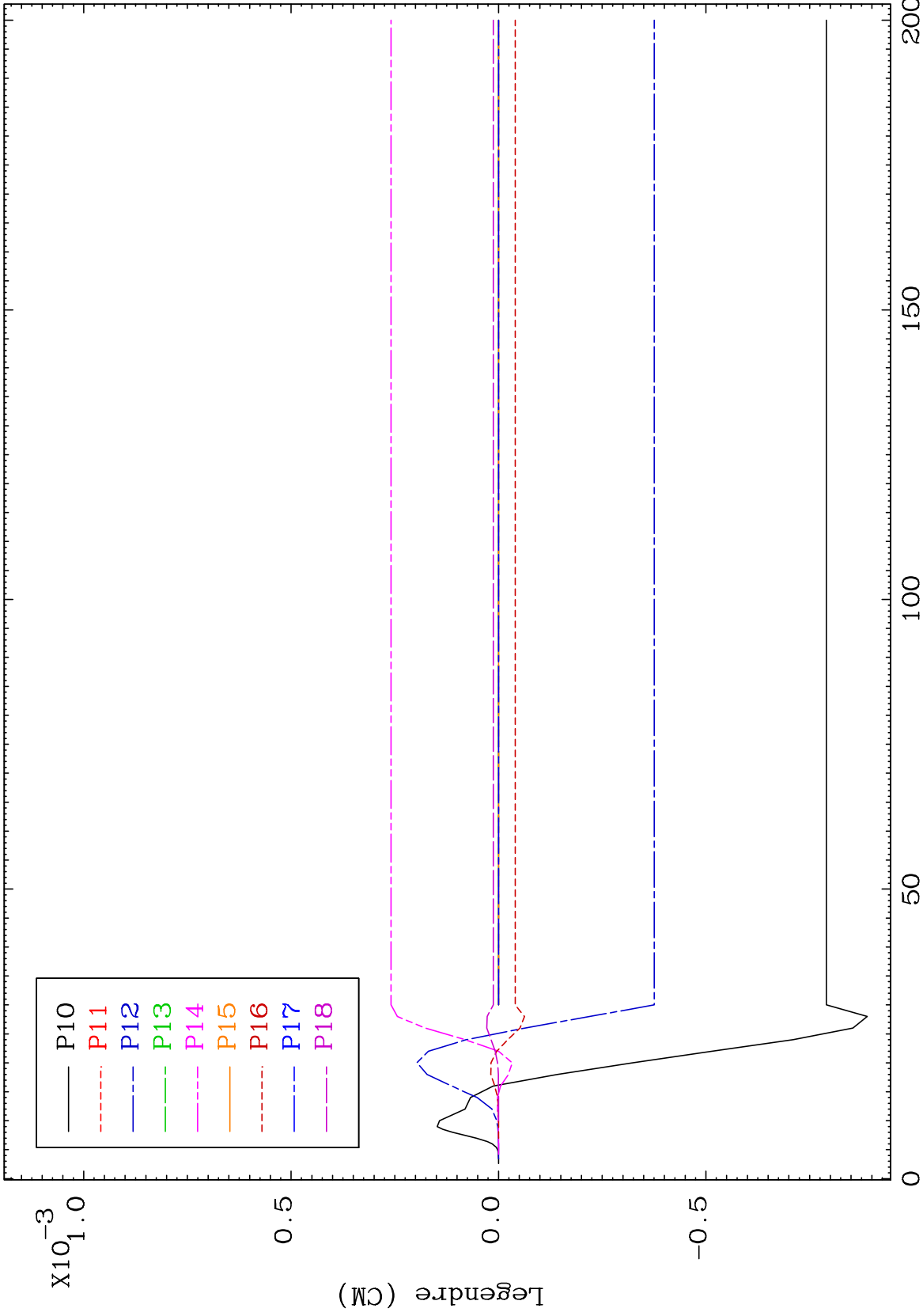
Incident Energy (MeV)

64-Gd-150

MAT 6419

MT= 78 (n,n') Level
Legendre Coefficients

64-Gd-150

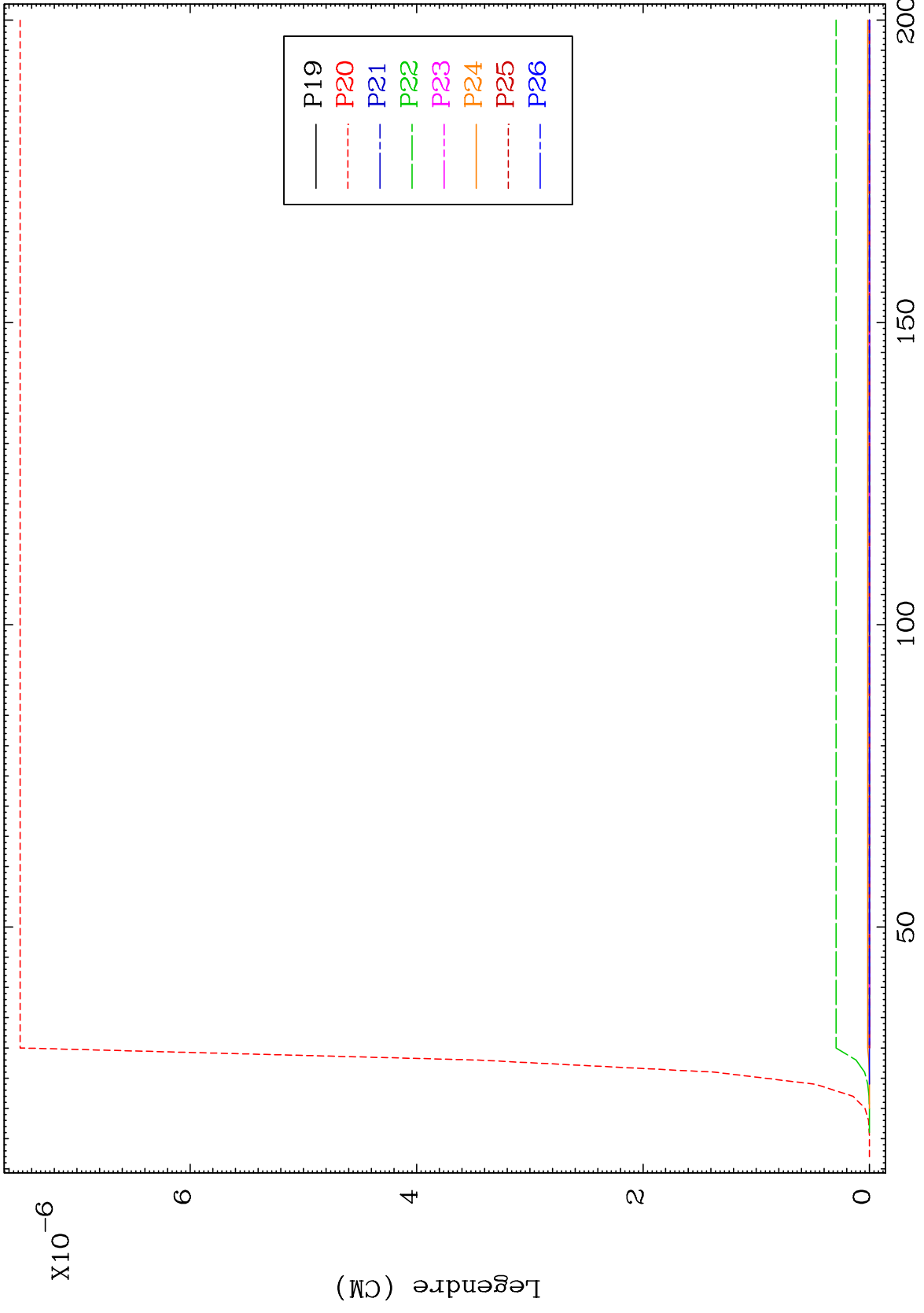


124

Incident Energy (MeV)

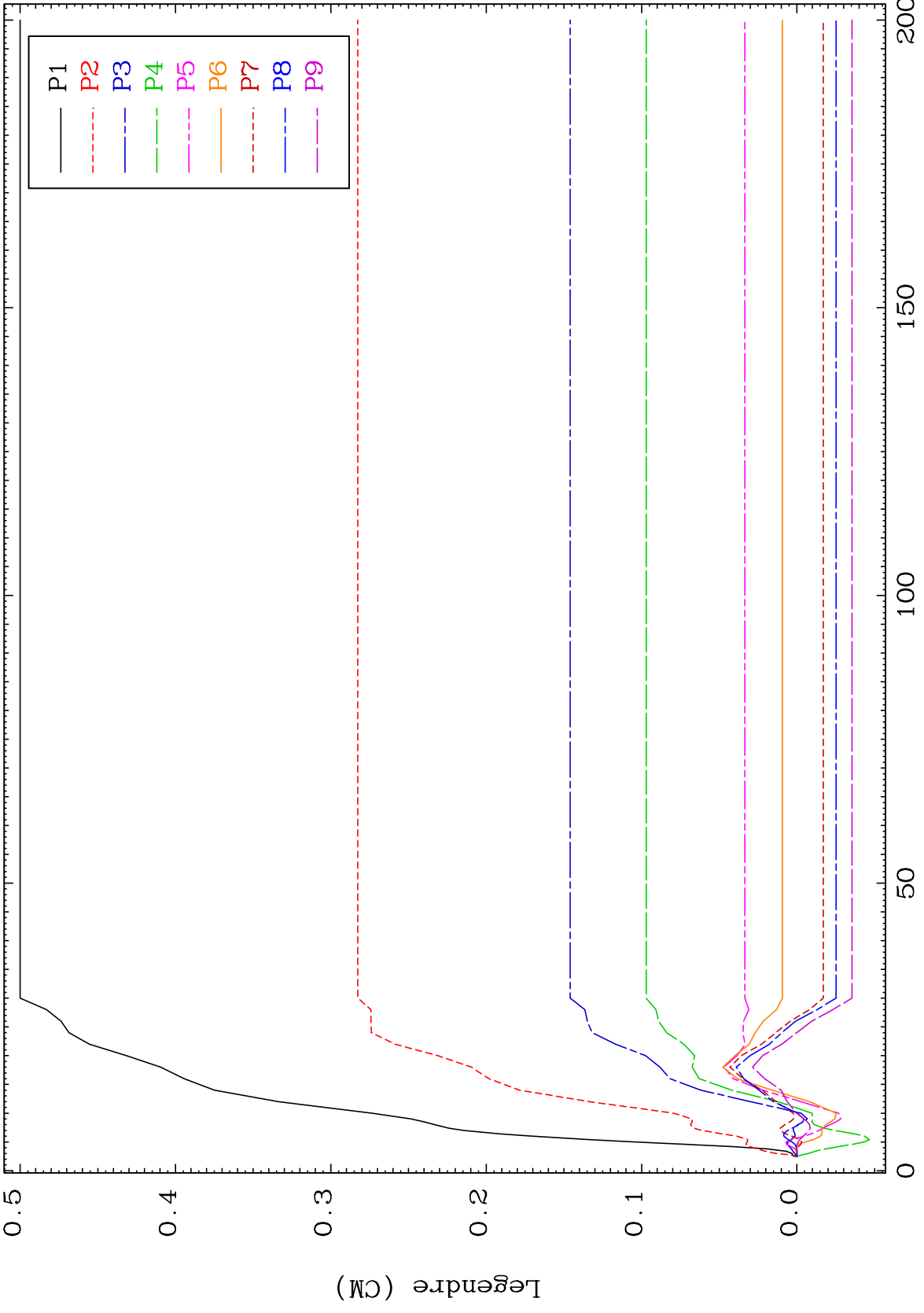
64-Gd-150

MAT 6419 MT= 78 (n,n') Level Legendre Coefficients 64-Gd-150



64-Gd-150

MAT 6419 MT= 79 (n,n') Level Legendre Coefficients 64-Gd-150

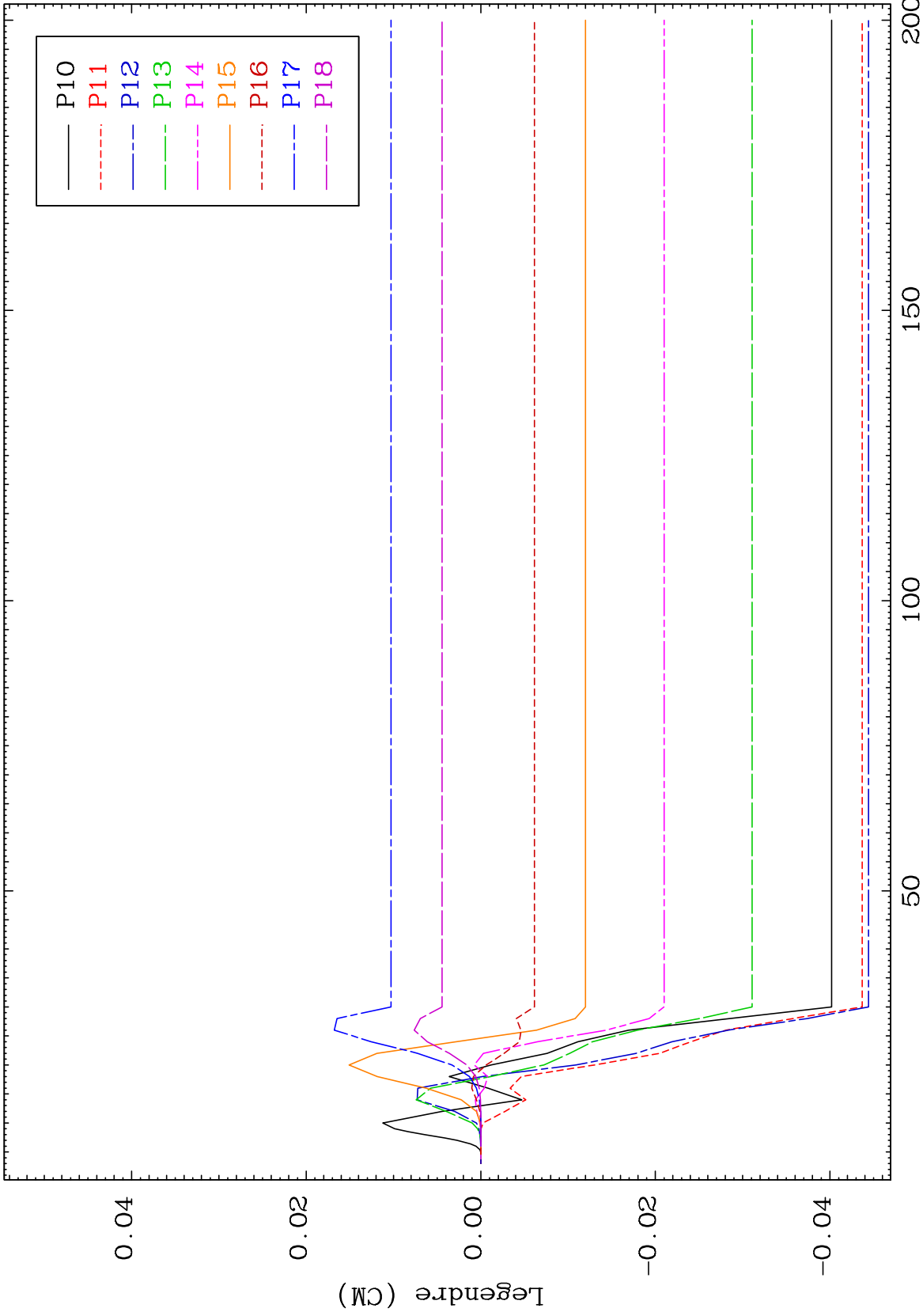


126 64-Gd-150

MAT 6419

MT= 79 (n,n') Level
Legendre Coefficients

64-Gd-150



127

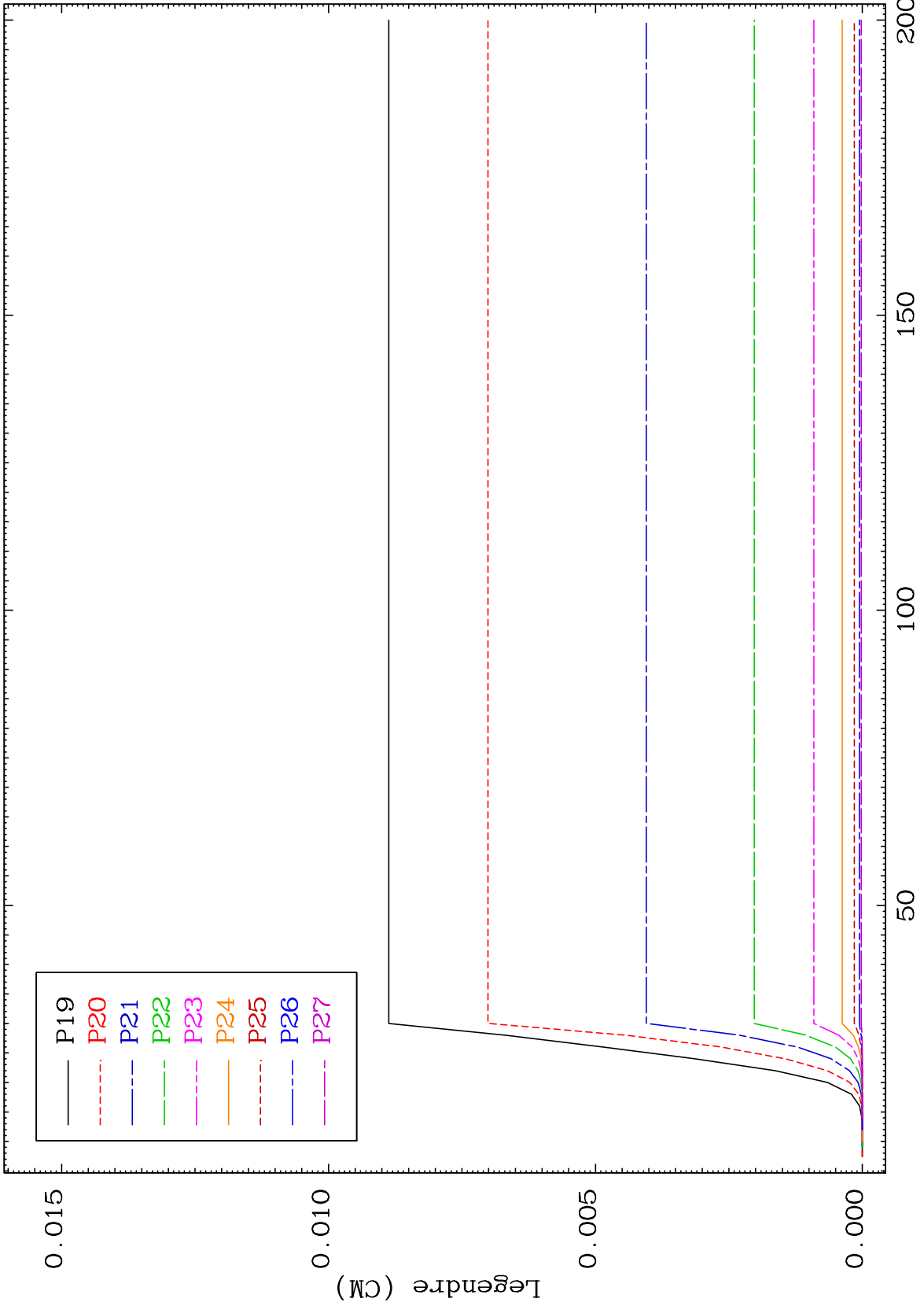
Incident Energy (MeV)

64-Gd-150

MAT 6419

MT= 79 (n,n') Level
Legendre Coefficients

64-Gd-150



128

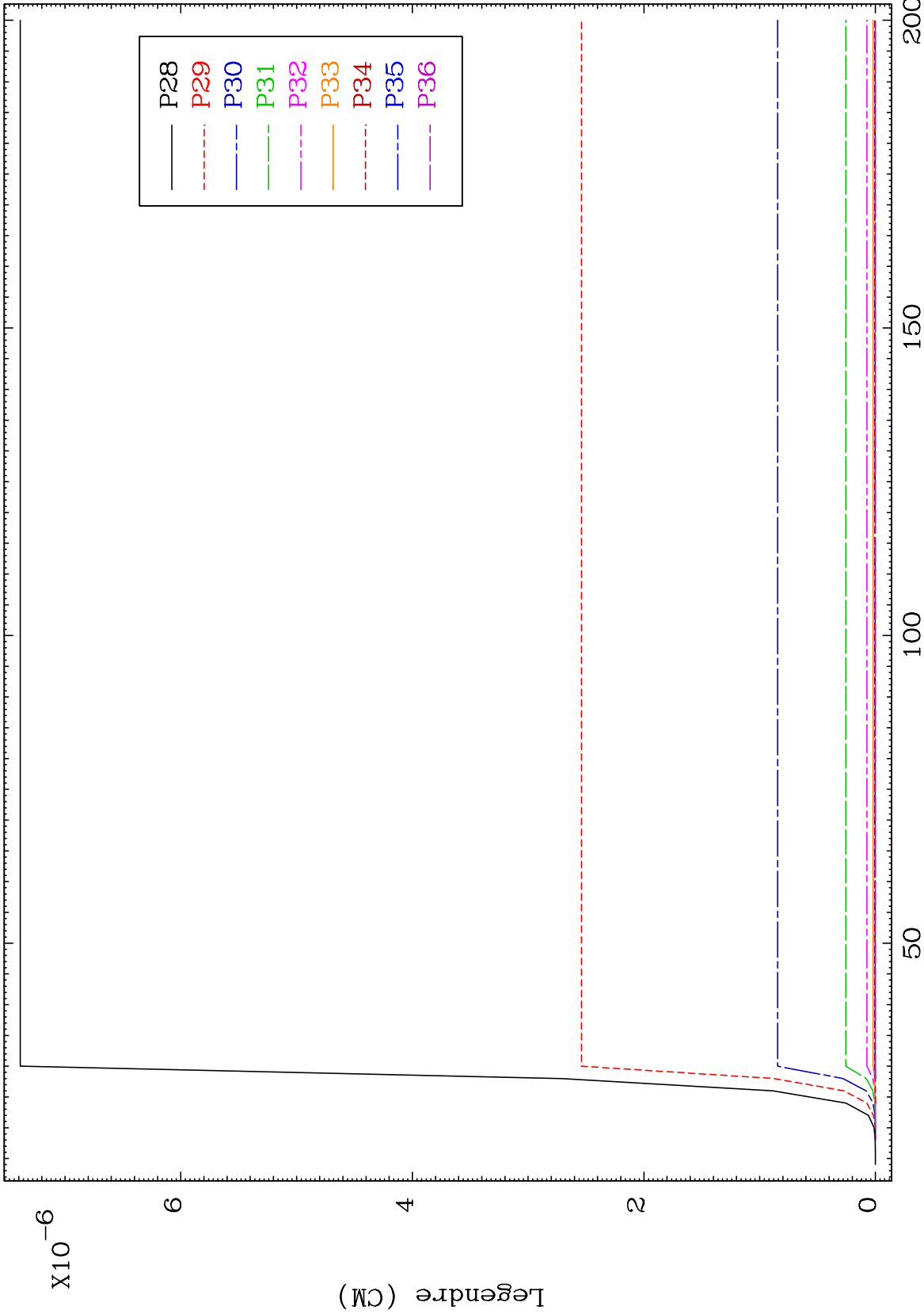
Incident Energy (MeV)

64-Gd-150

MAT 6419

MT= 79 (n,n') Level
Legendre Coefficients

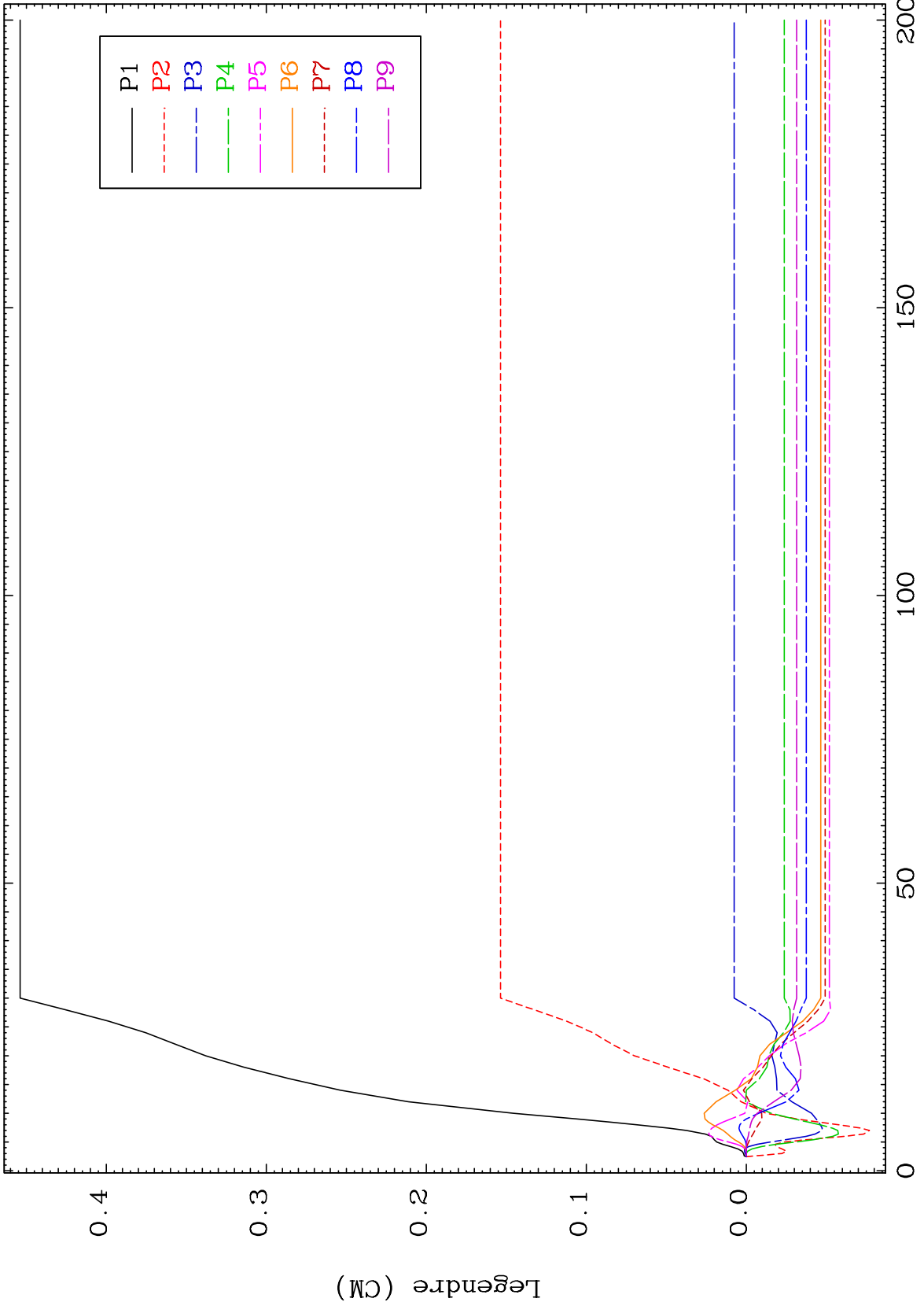
64-Gd-150



129

64-Gd-150

MAT 6419 MT= 80 (n,n') Level Legendre Coefficients 64-Gd-150

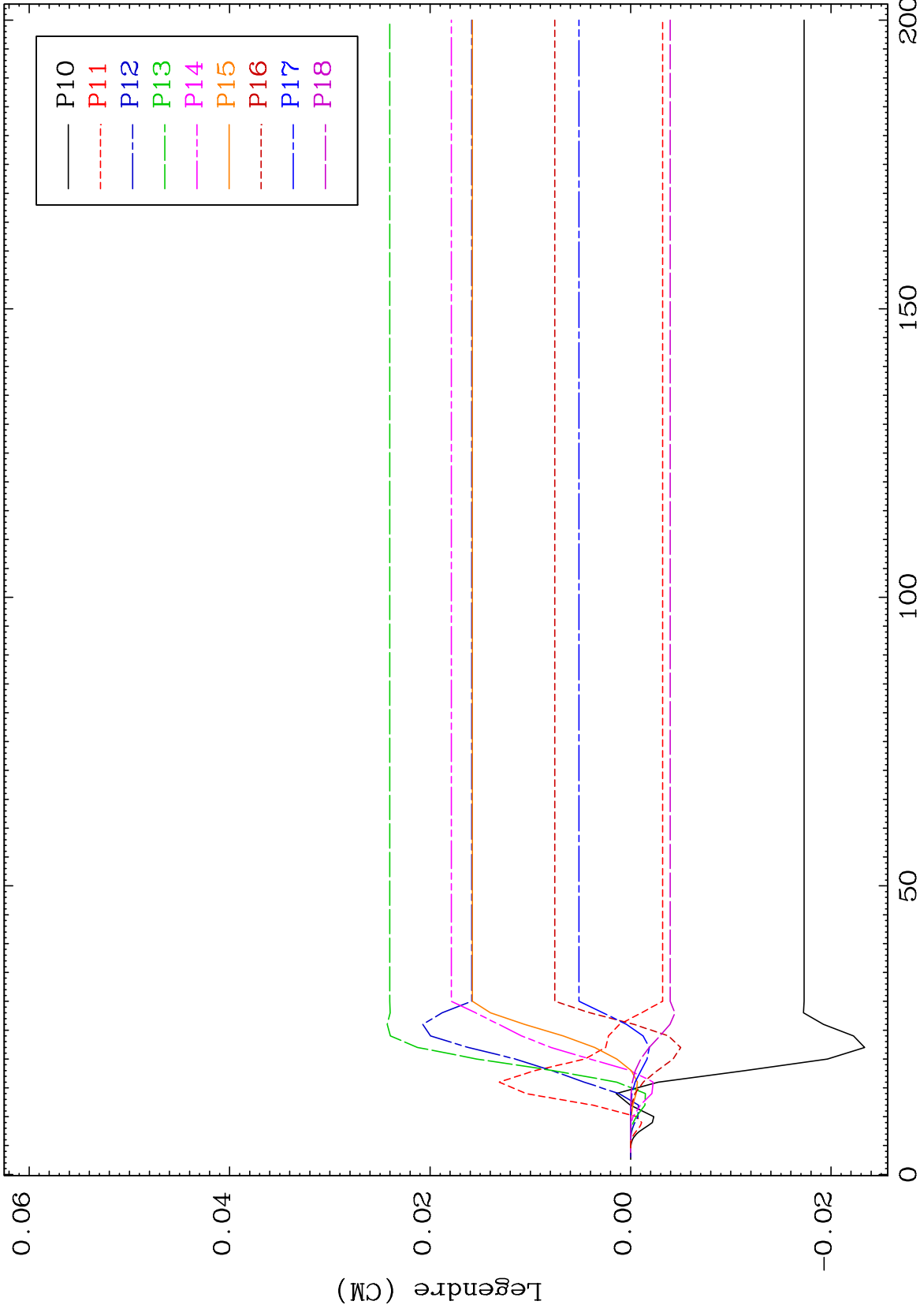


130 Incident Energy (MeV) 64-Gd-150

MAT 6419

MT= 80 (n,n') Level
Legendre Coefficients

64-Gd-150



131

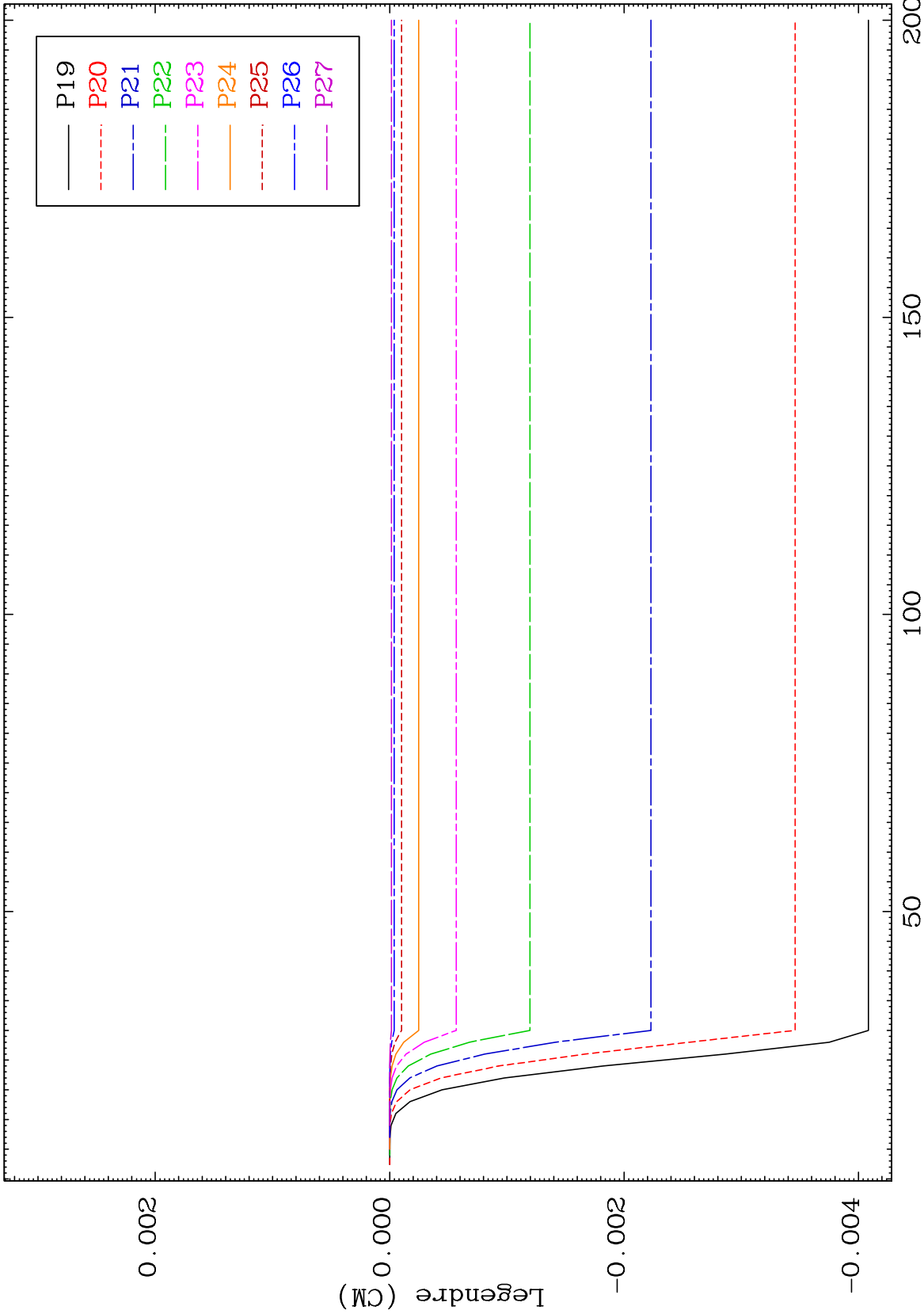
Incident Energy (MeV)

64-Gd-150

MAT 6419

MT= 80 (n,n') Level
Legendre Coefficients

64-Gd-150

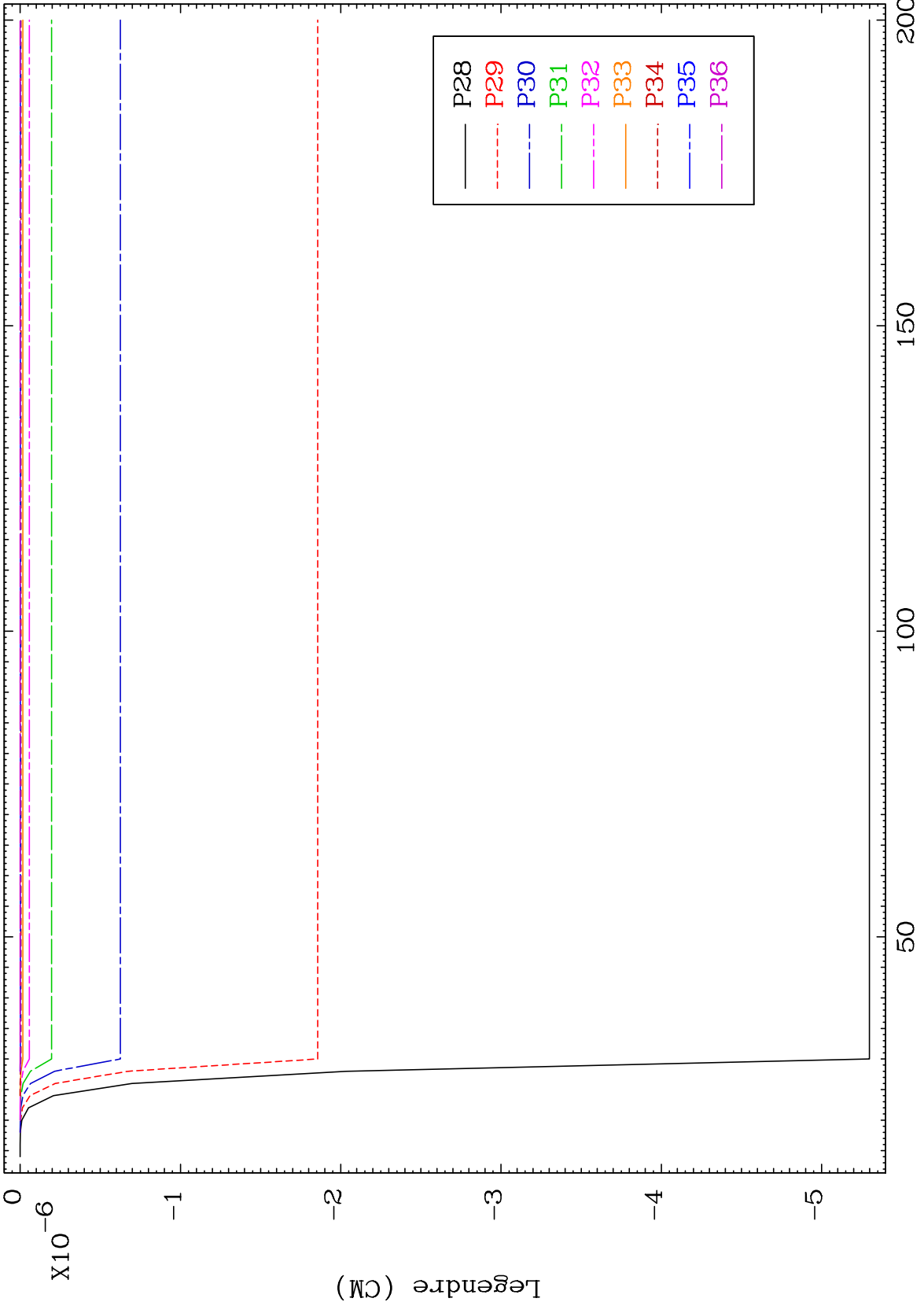


132

Incident Energy (MeV)

64-Gd-150

MAT 6419 MT= 80 (n,n') Level Legendre Coefficients 64-Gd-150



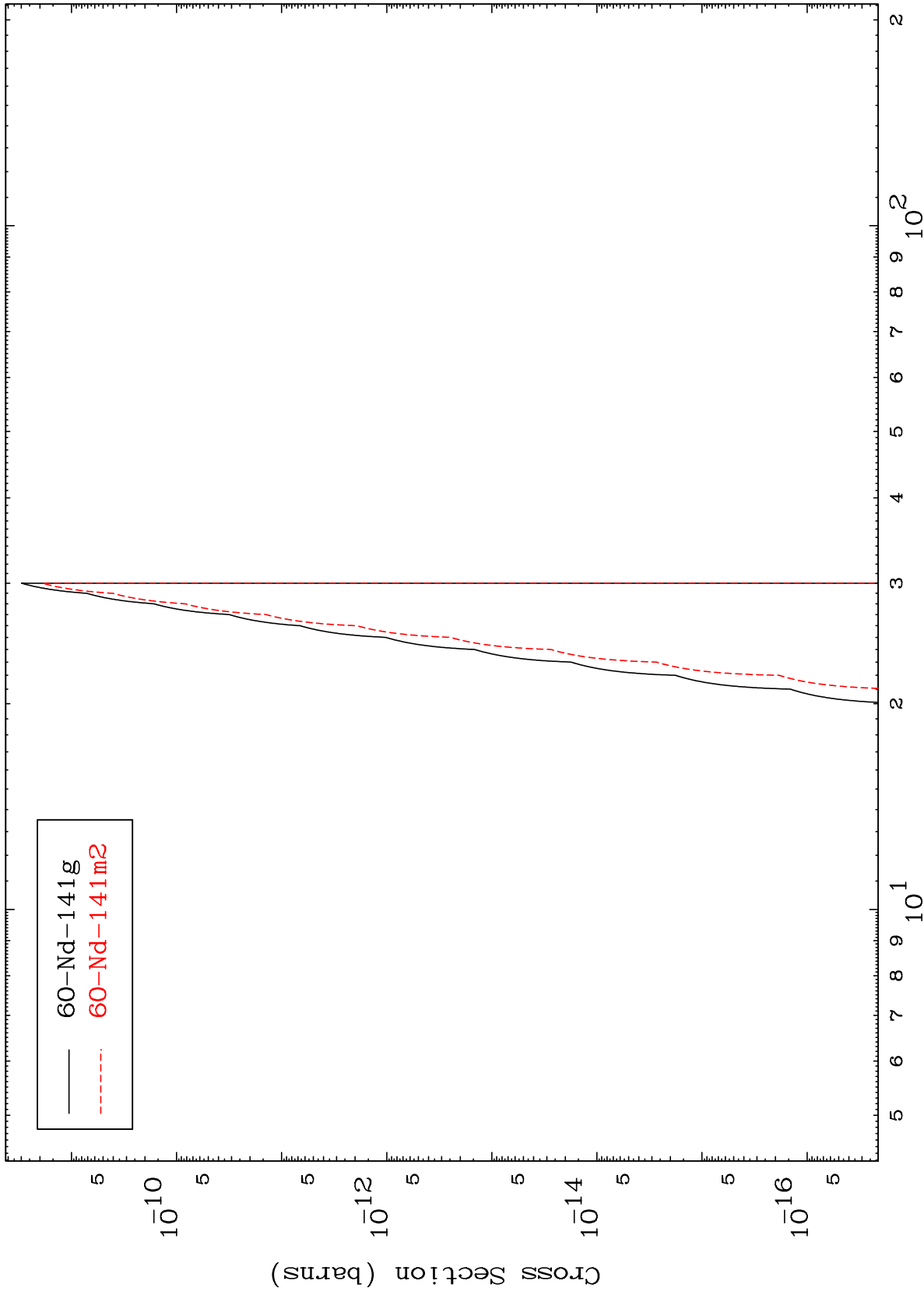
133 64-Gd-150

MAT 6419

$(n, 2n) 2\alpha$

64-Gd-150

Radionuclide Production Cross Section



134

Incident Energy (MeV)

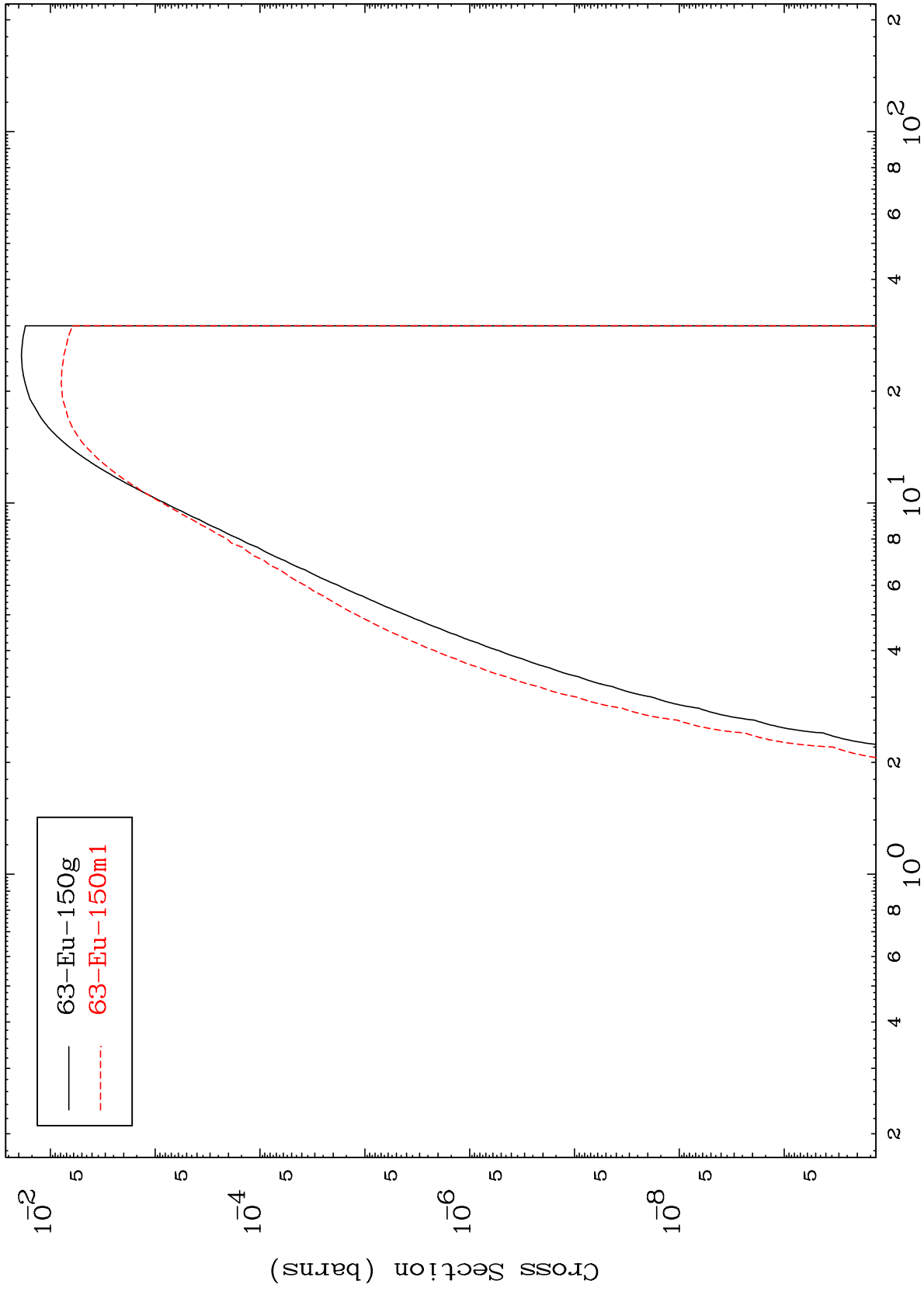
64-Gd-150

MAT 6419

(n,p)

64-Gd-150

Radionuclide Production Cross Section



135

Incident Energy (MeV)

64-Gd-150