

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

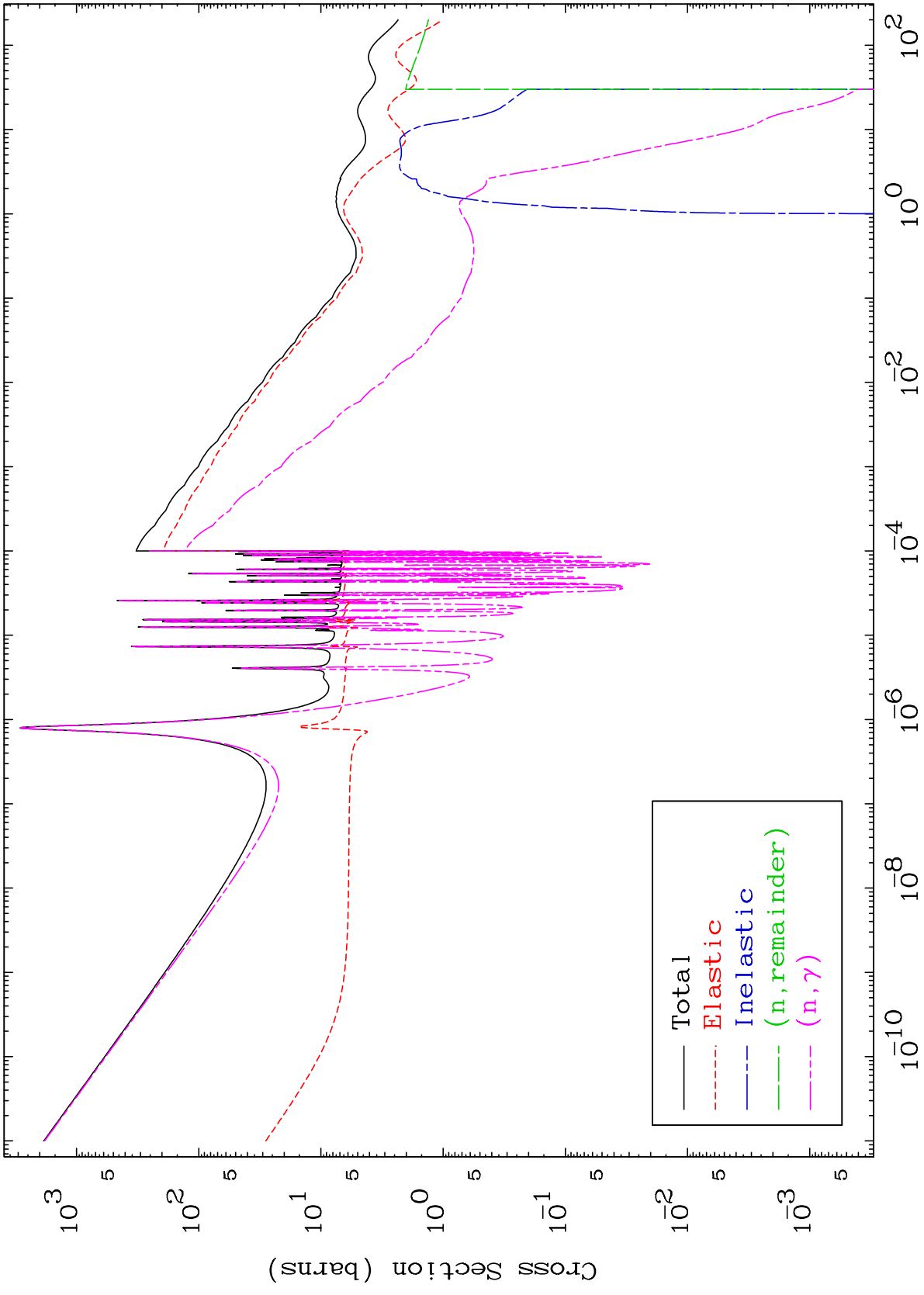
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6410

Major
293 Kelvin Cross Sections

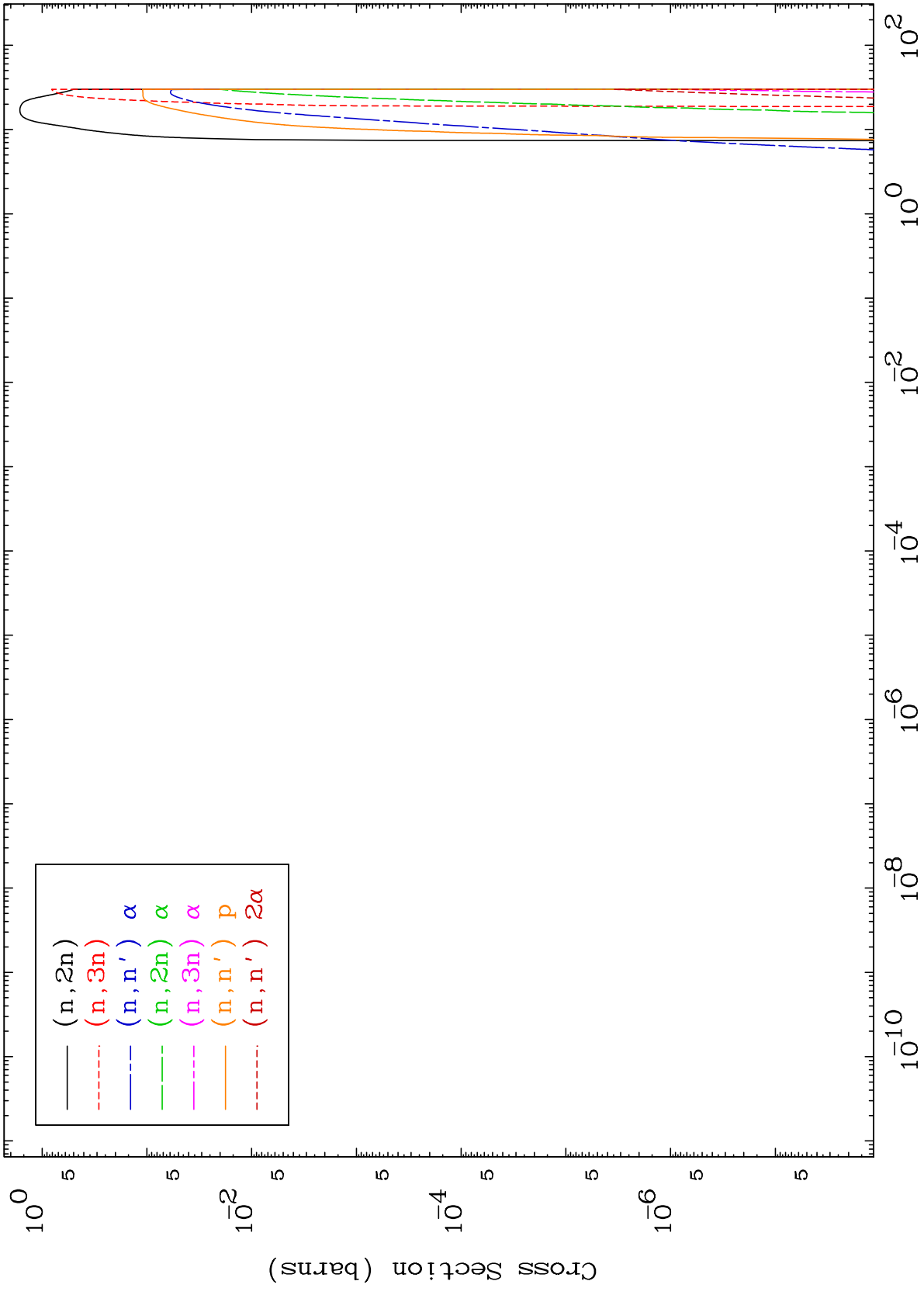
64-Gd-147



MAT 6410

Neutron Production 293 Kelvin Cross Sections

64-Gd-147

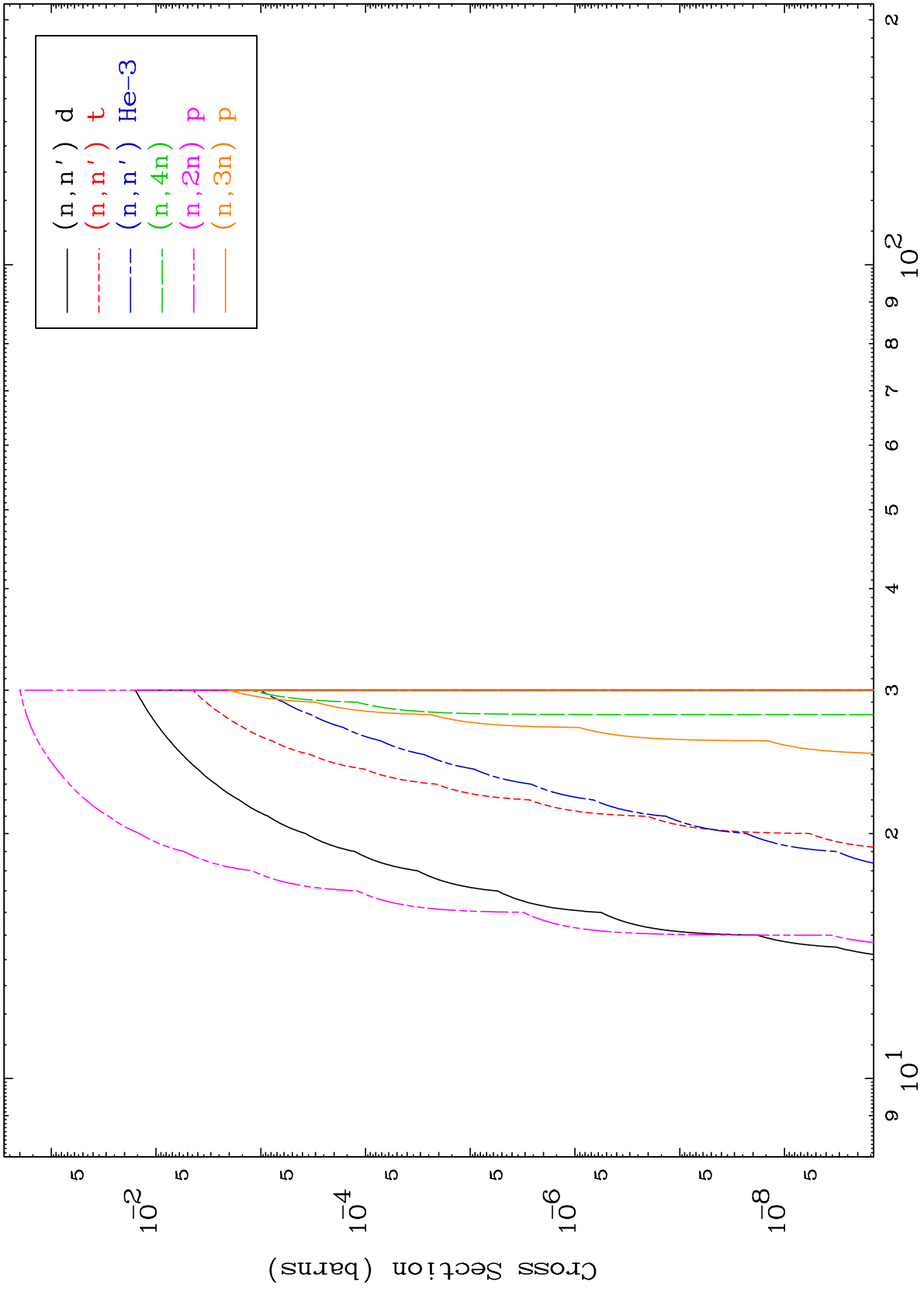


64-Gd-147

MAT 6410

Neutron Production
293 Kelvin Cross Sections

64-Gd-147



3

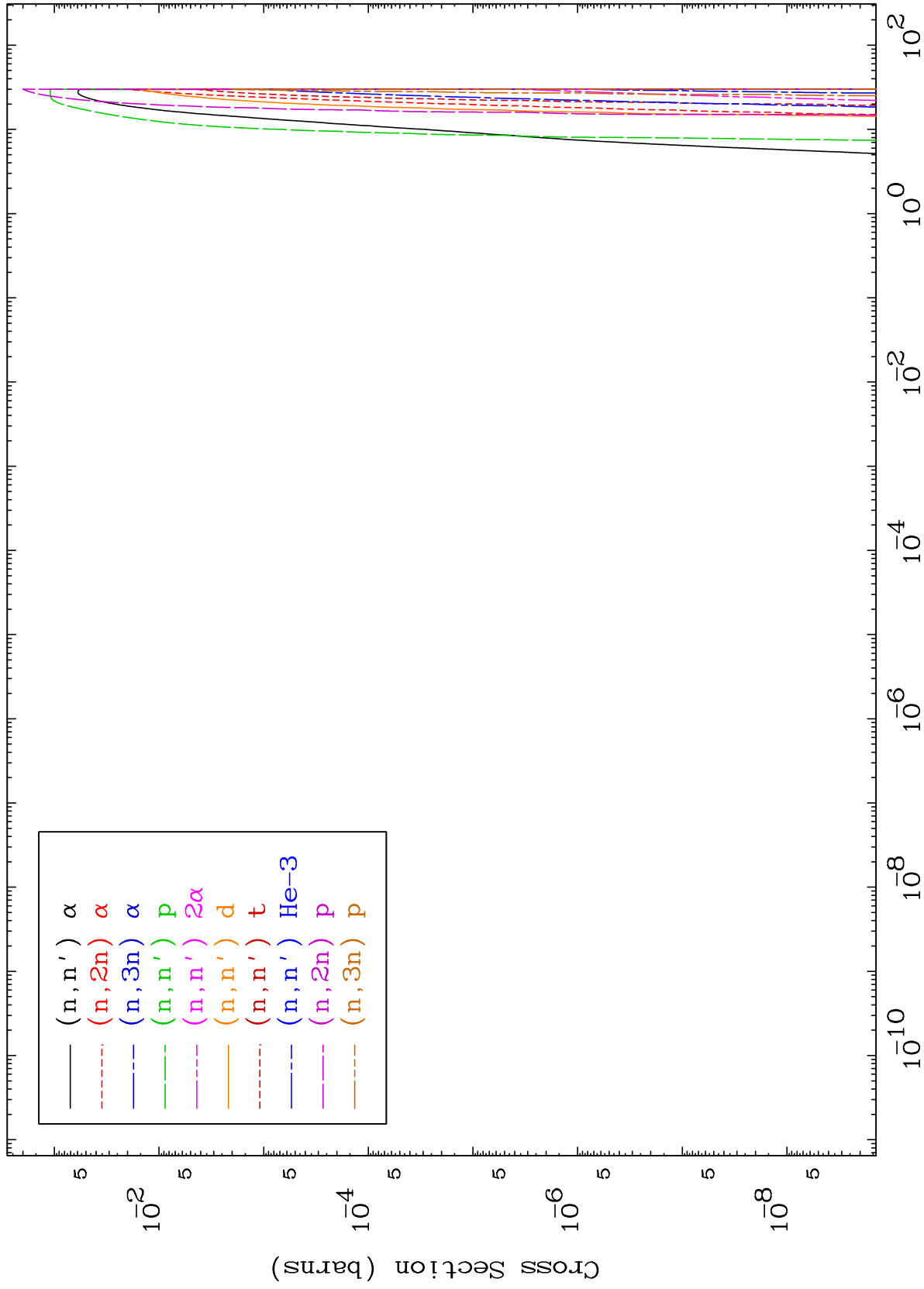
Incident Energy (MeV)

64-Gd-147

MAT 6410

293 Kelvin Cross Sections
Charged Particle

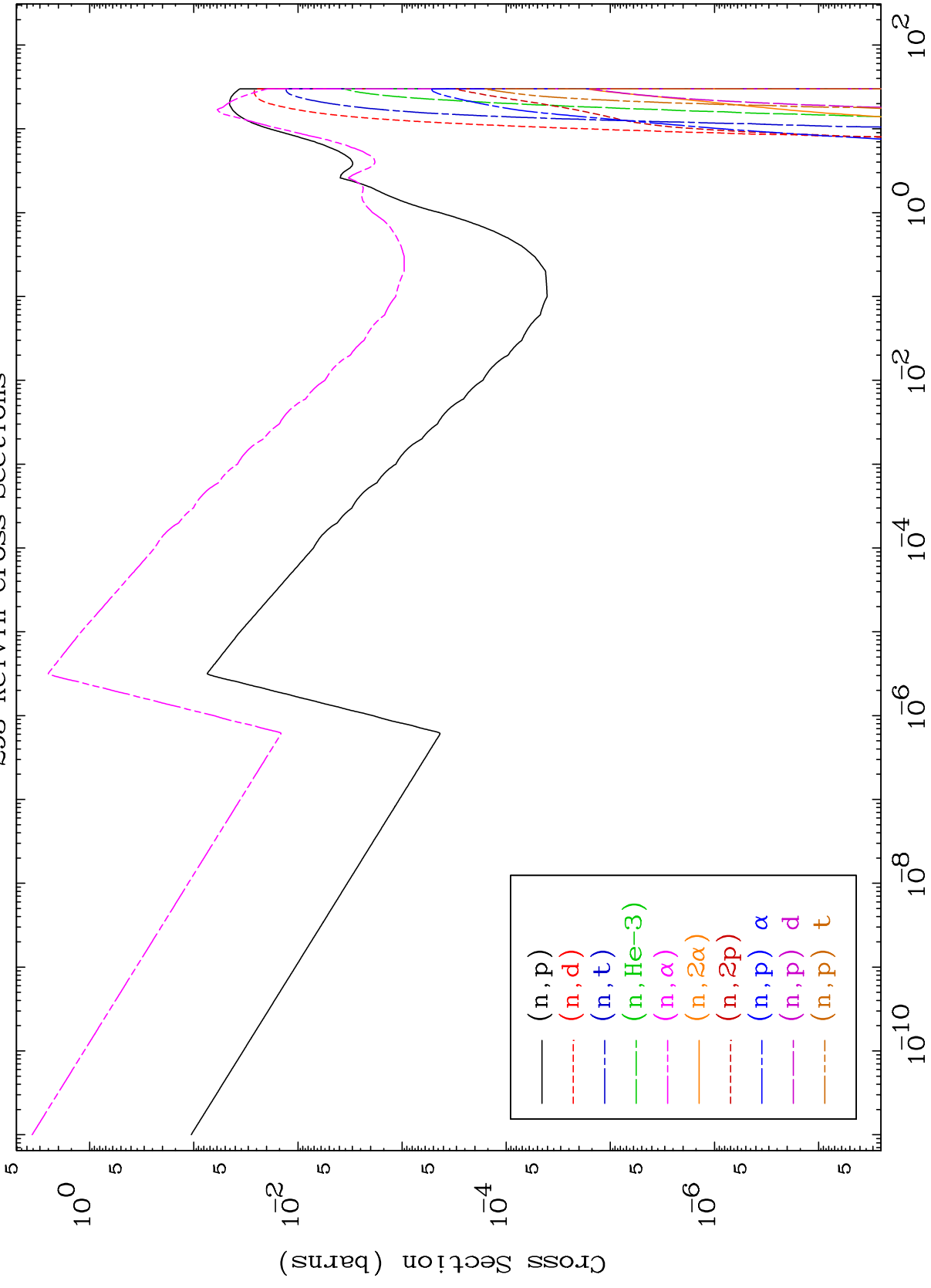
64-Gd-147



MAT 6410

293 Kelvin Cross Sections

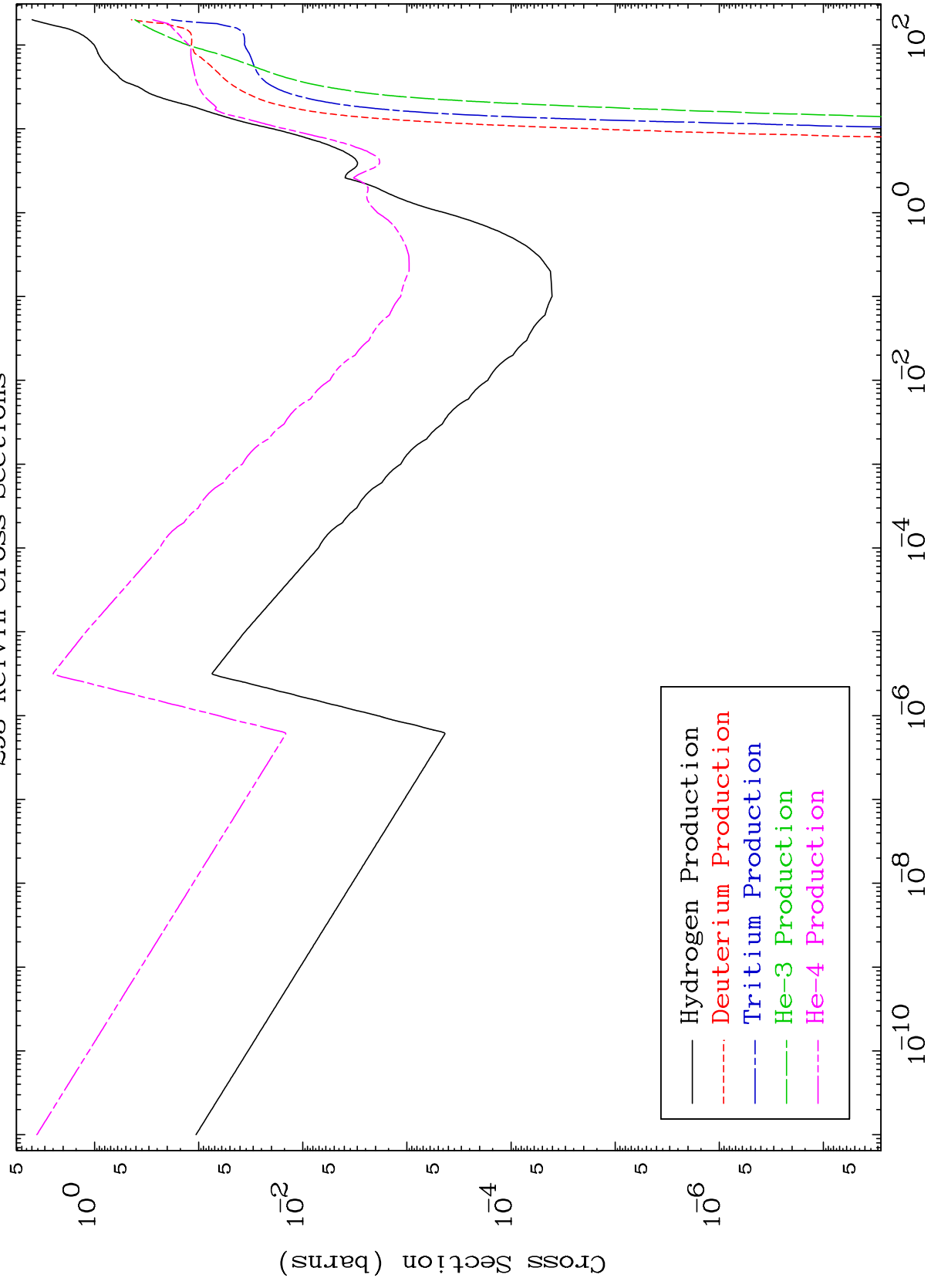
64-Gd-147



MAT 6410

Particle Production
293 Kelvin Cross Sections

64-Gd-147



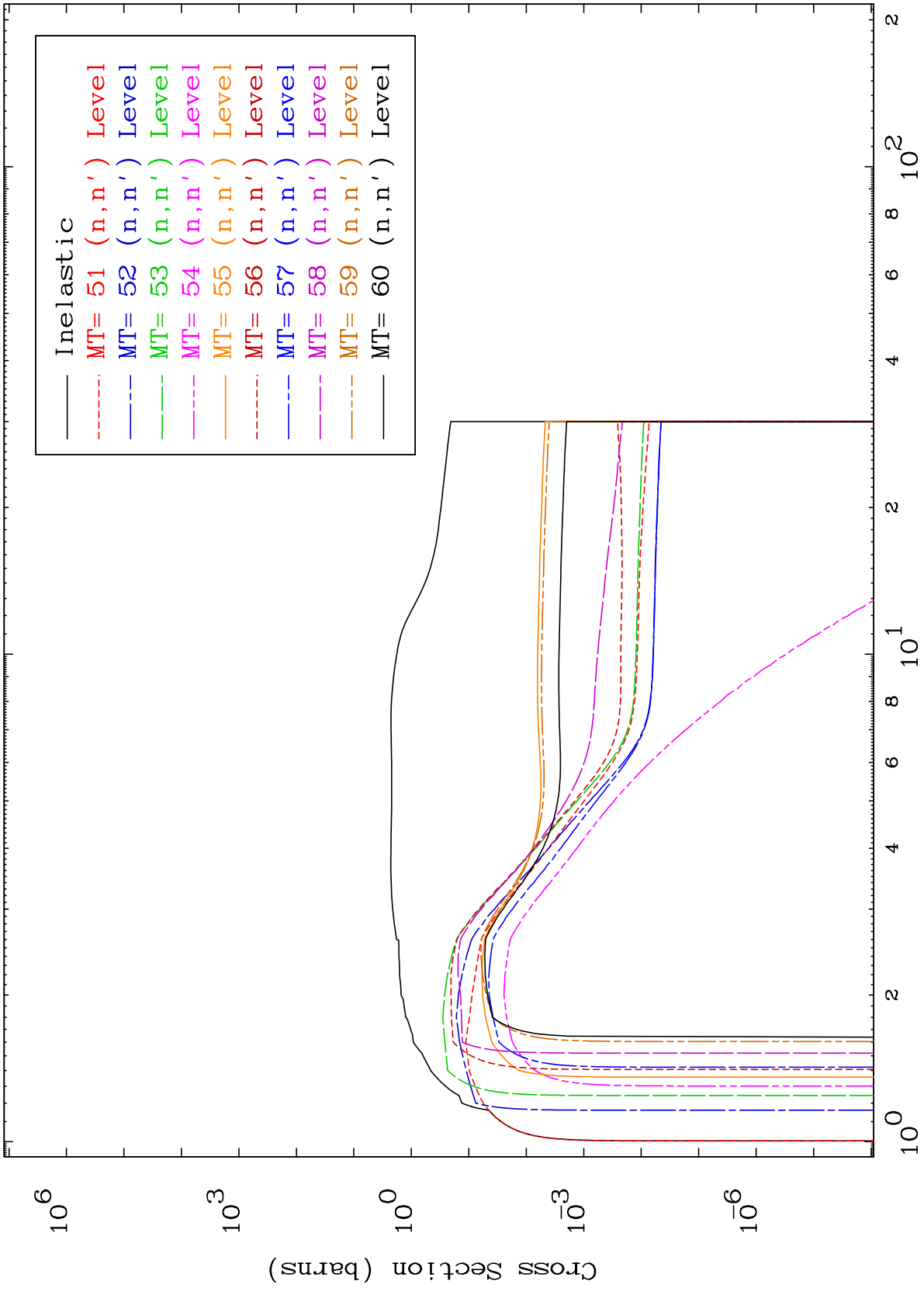
64-Gd-147

MAT 6410

(n,n') Level

64-Gd-147

293 Kelvin Cross Sections



Incident Energy (MeV)

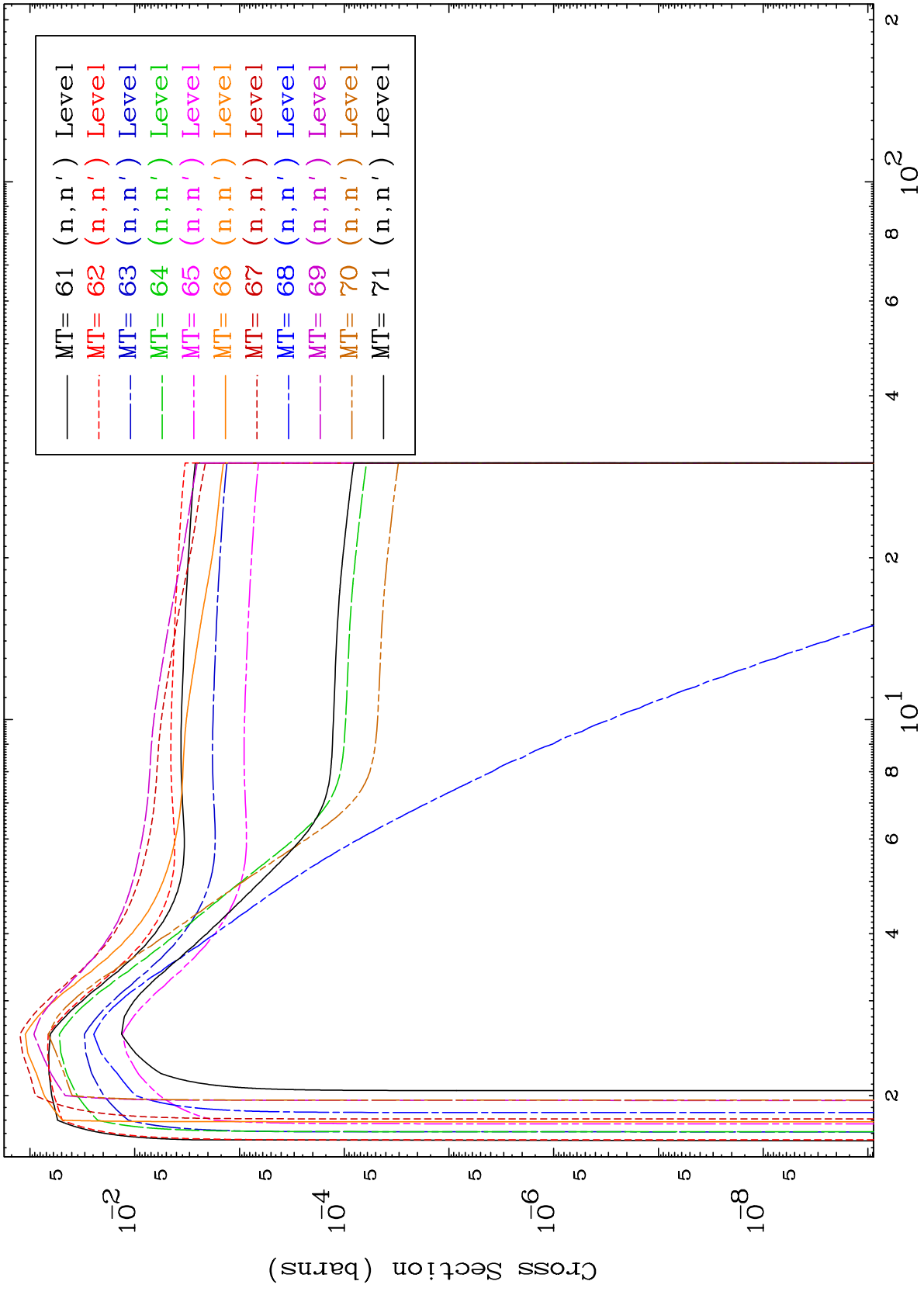
64-Gd-147

MAT 6410

(n,n') Level

64-Gd-147

293 Kelvin Cross Sections



8

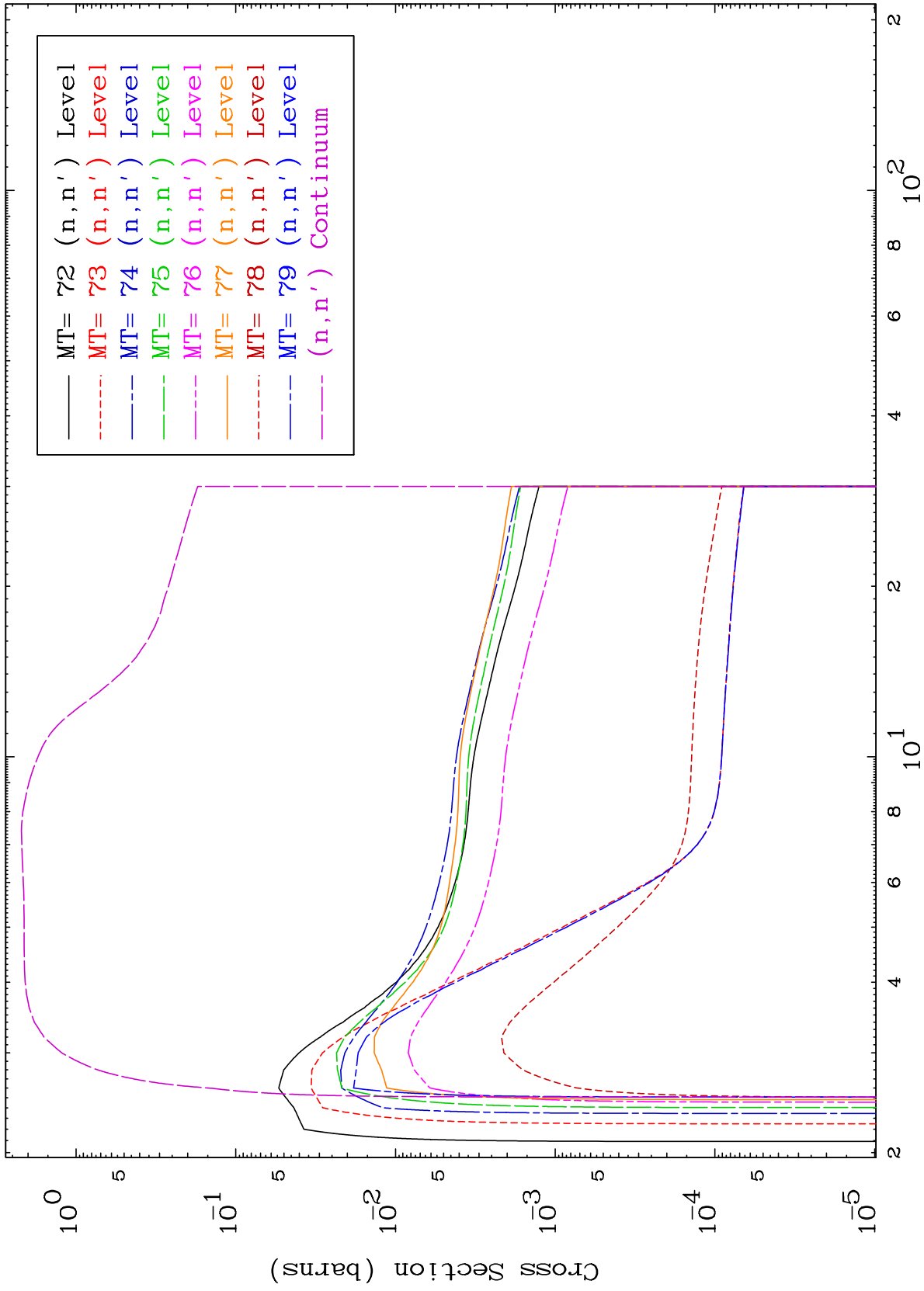
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n,n') Level
293 Kelvin Cross Sections

64-Gd-147



9

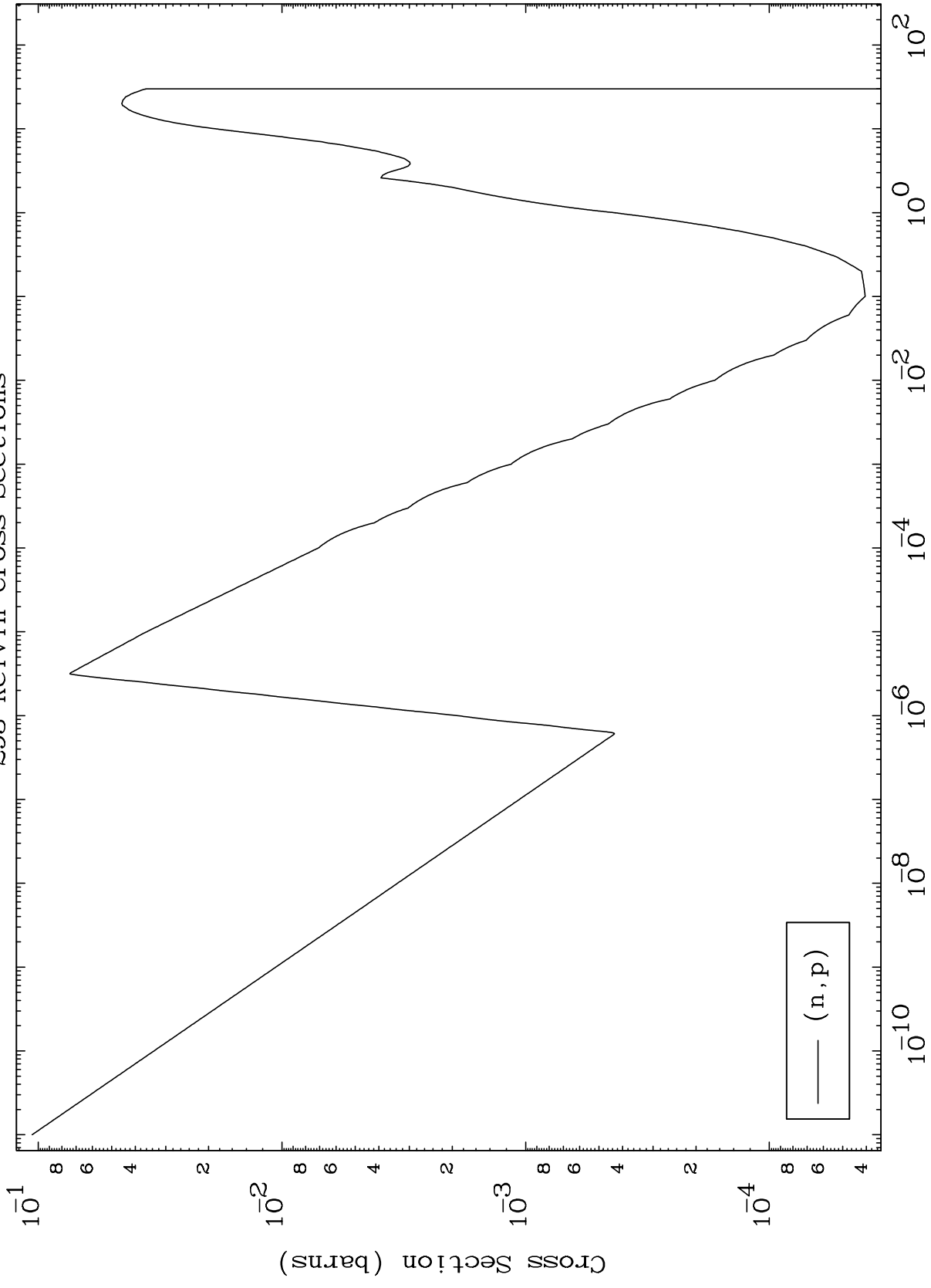
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-147



10

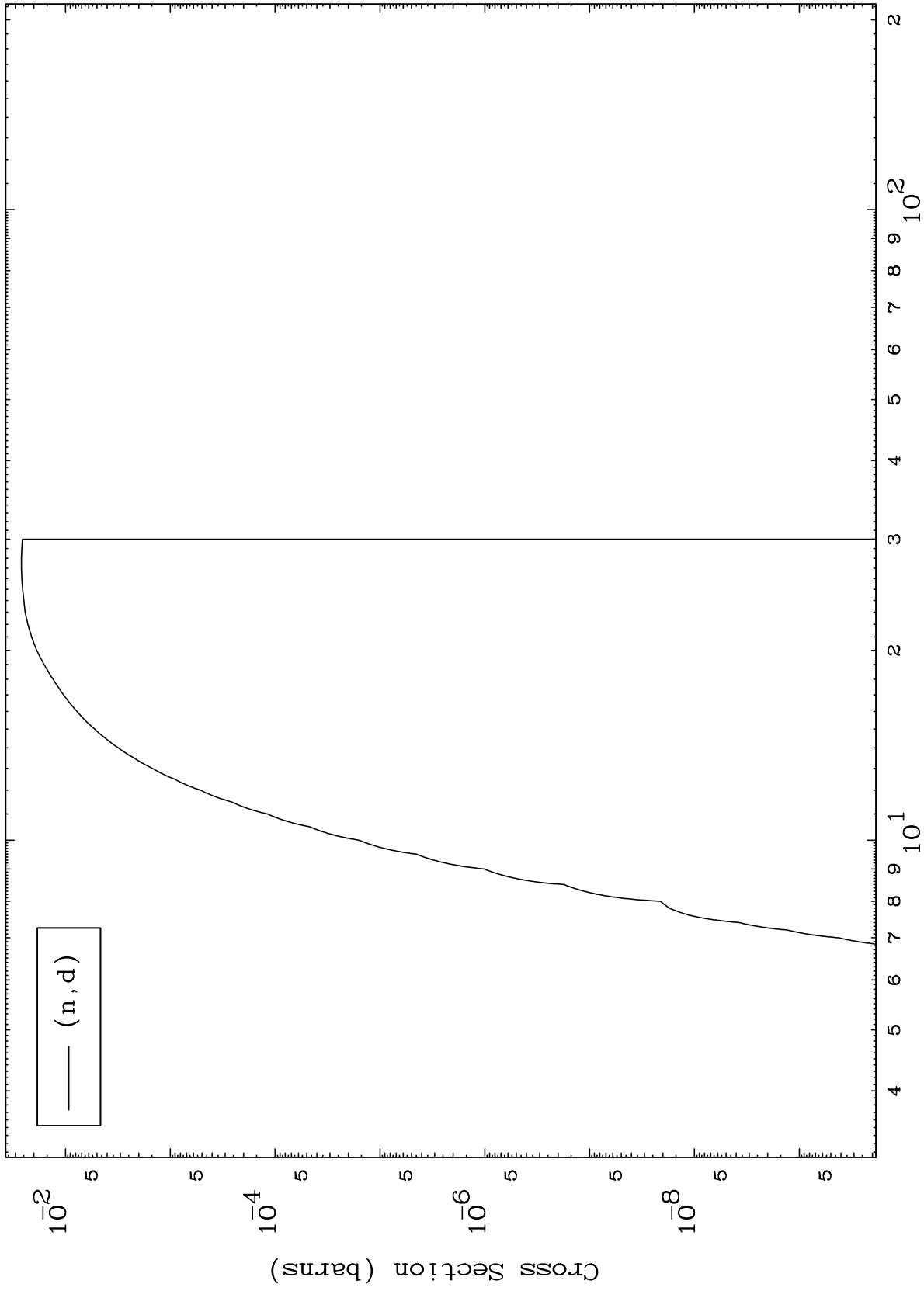
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-147



11

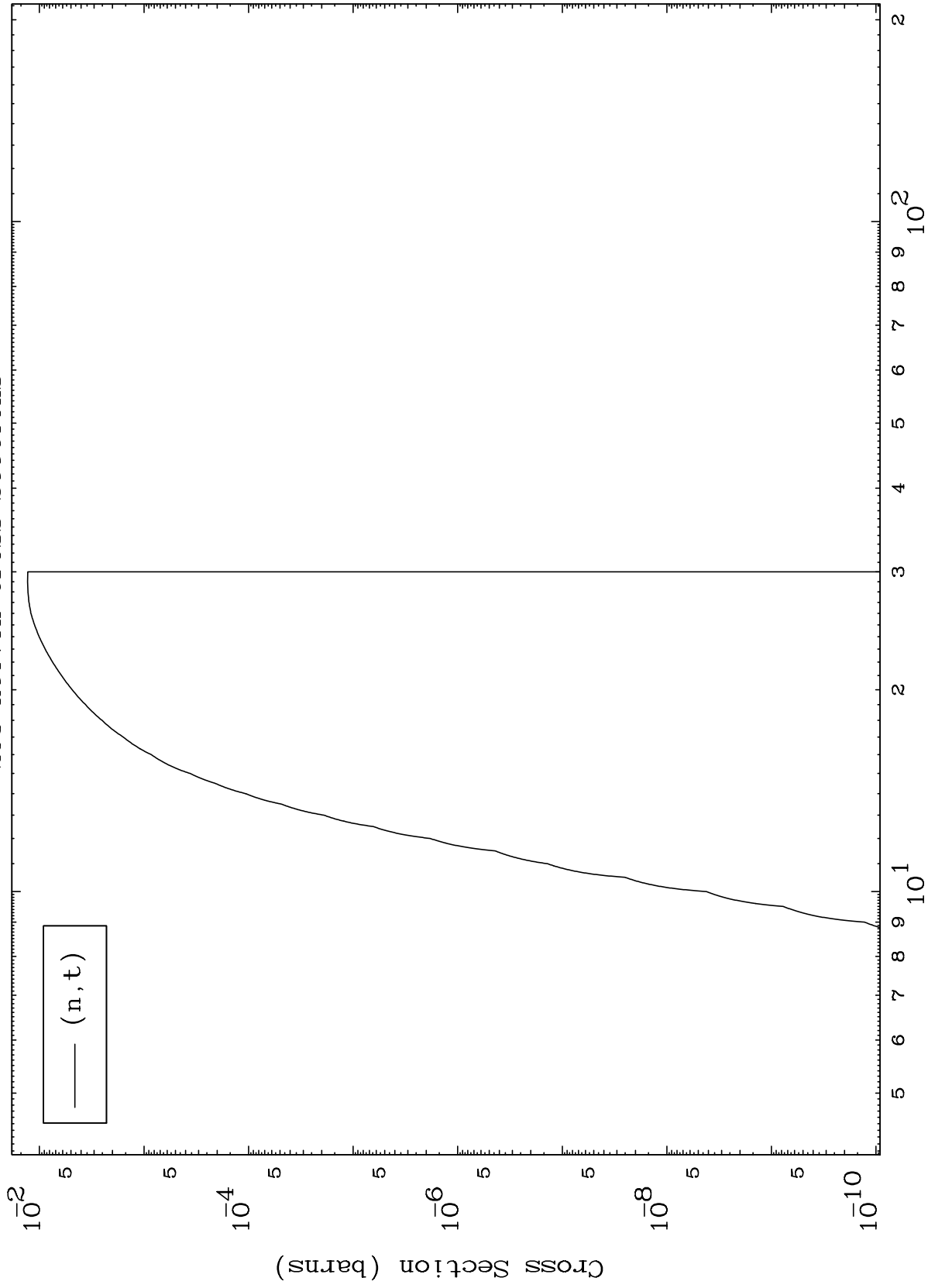
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-147



12

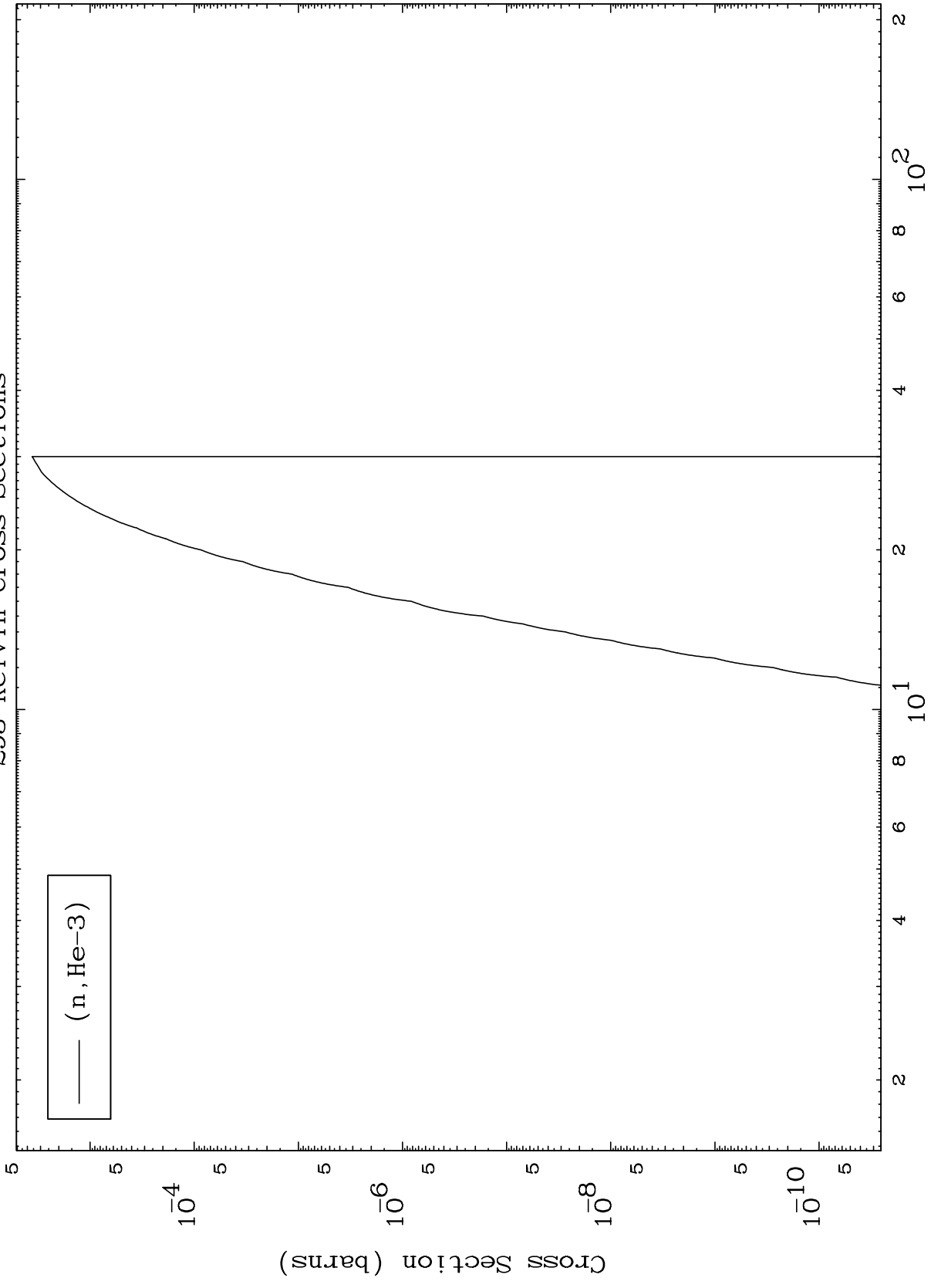
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-147



13

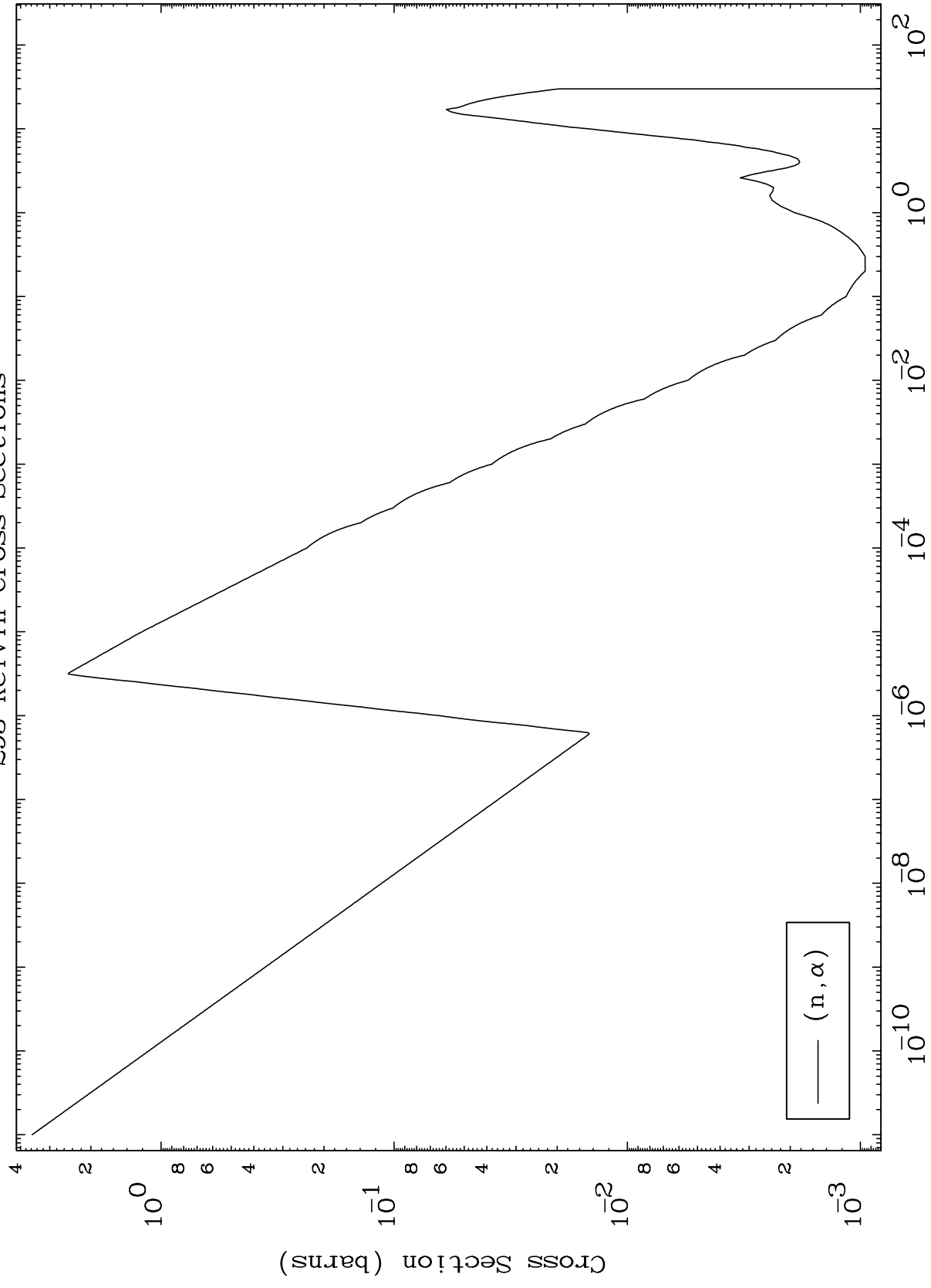
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n, α) Levels
293 Kelvin Cross Sections

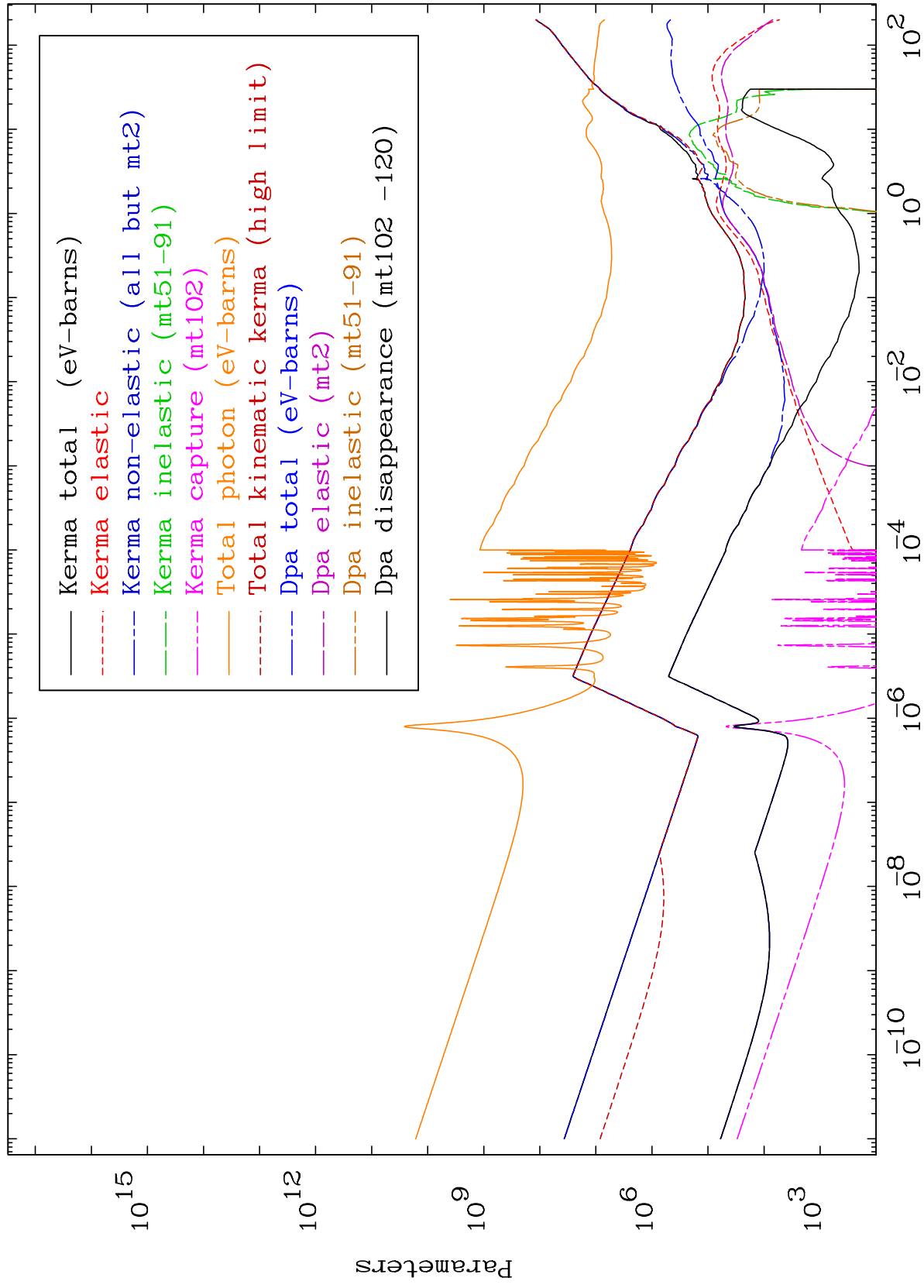
64-Gd-147

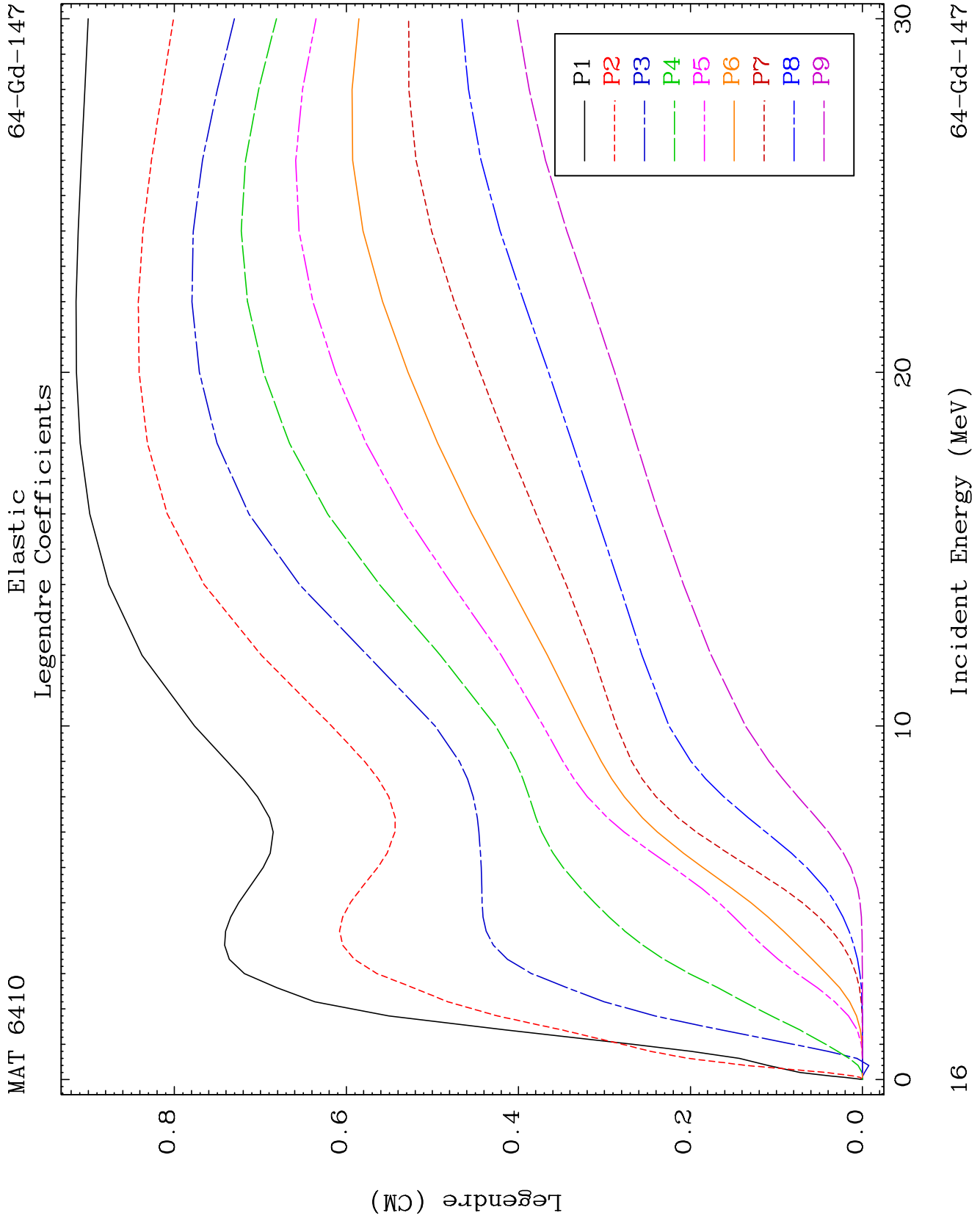


14

Incident Energy (MeV)

64-Gd-147

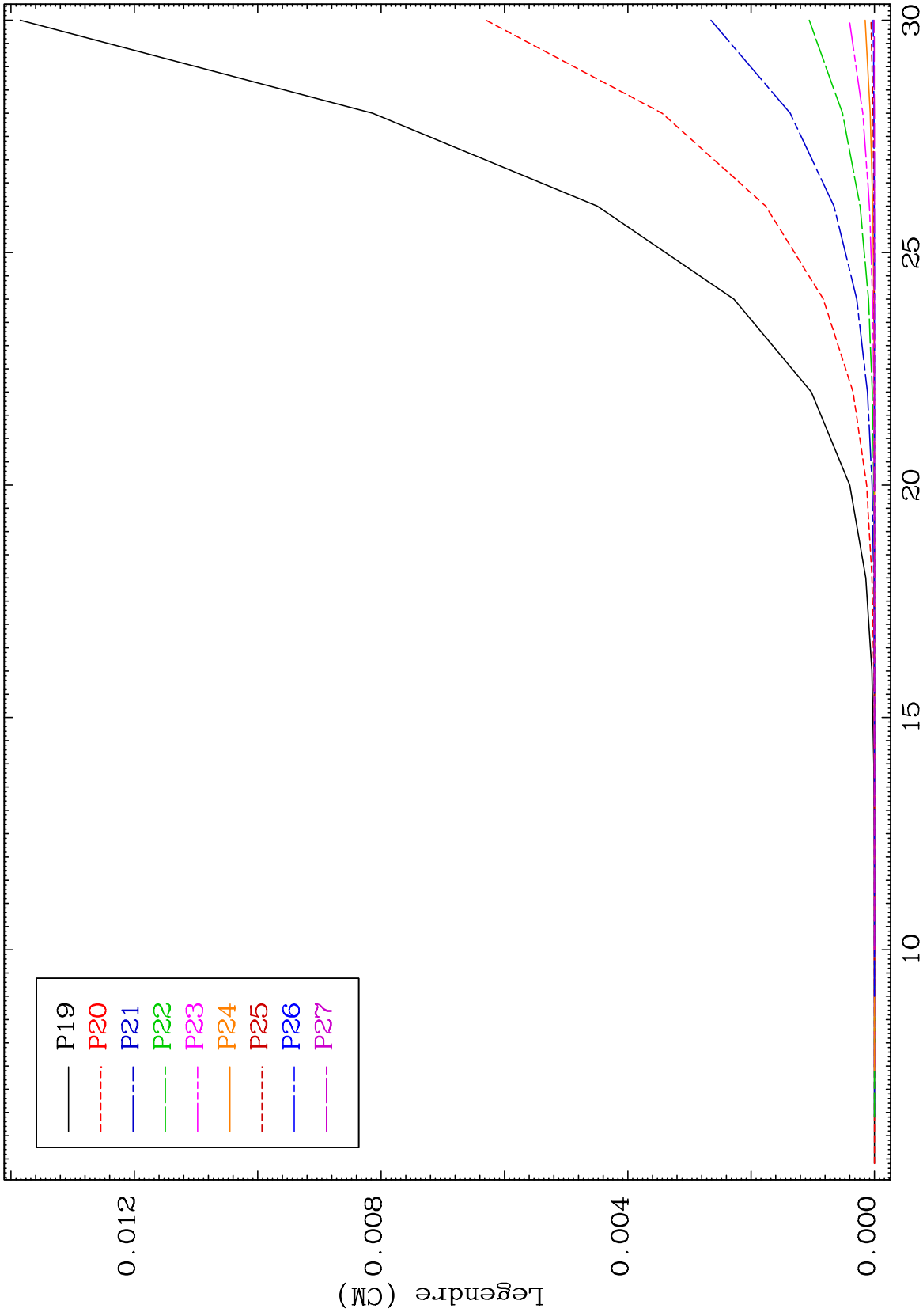




MAT 6410

Elastic Legendre Coefficients

64-Gd-147



18

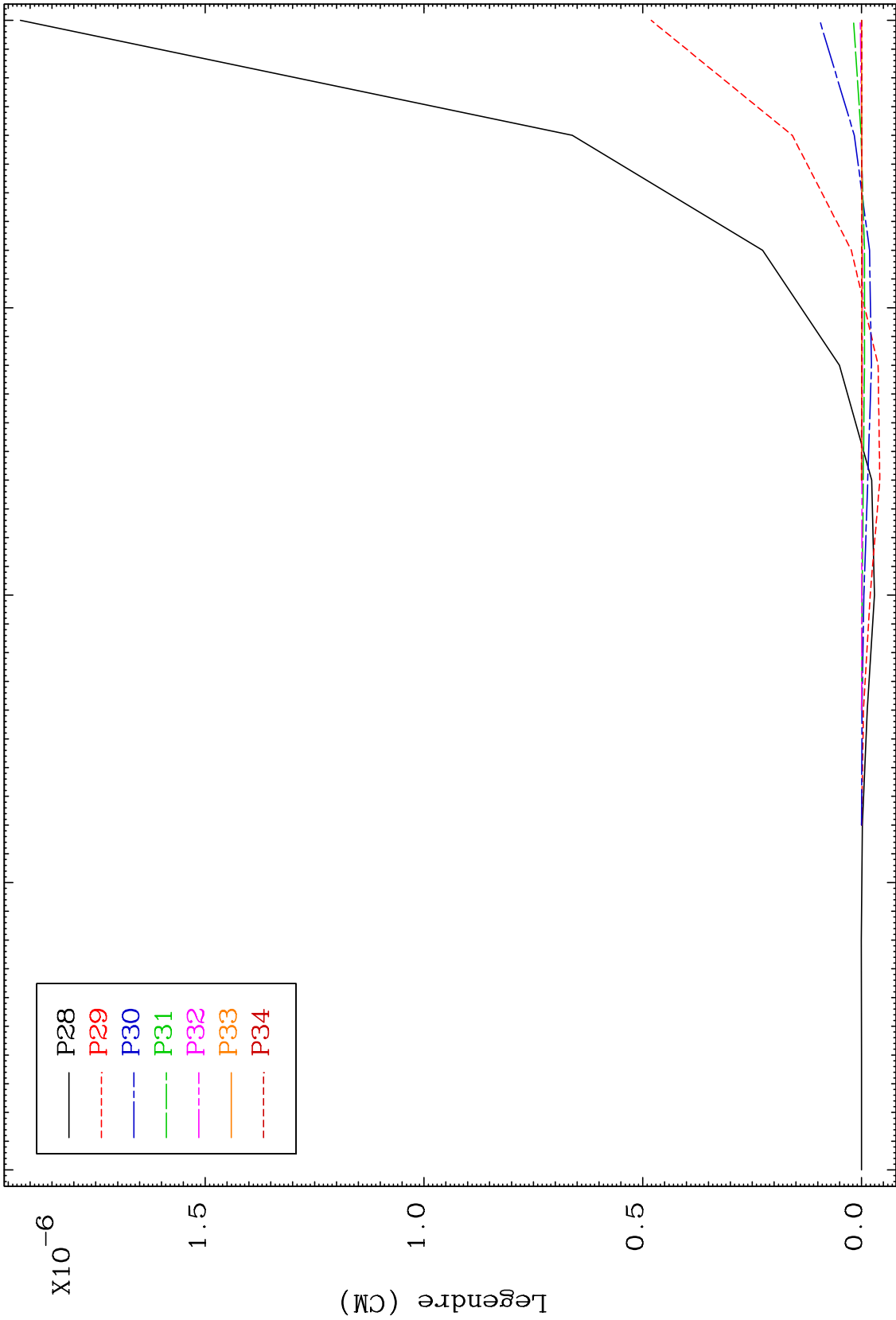
Incident Energy (MeV)

64-Gd-147

MAT 6410

Elastic Legendre Coefficients

64-Gd-147



19

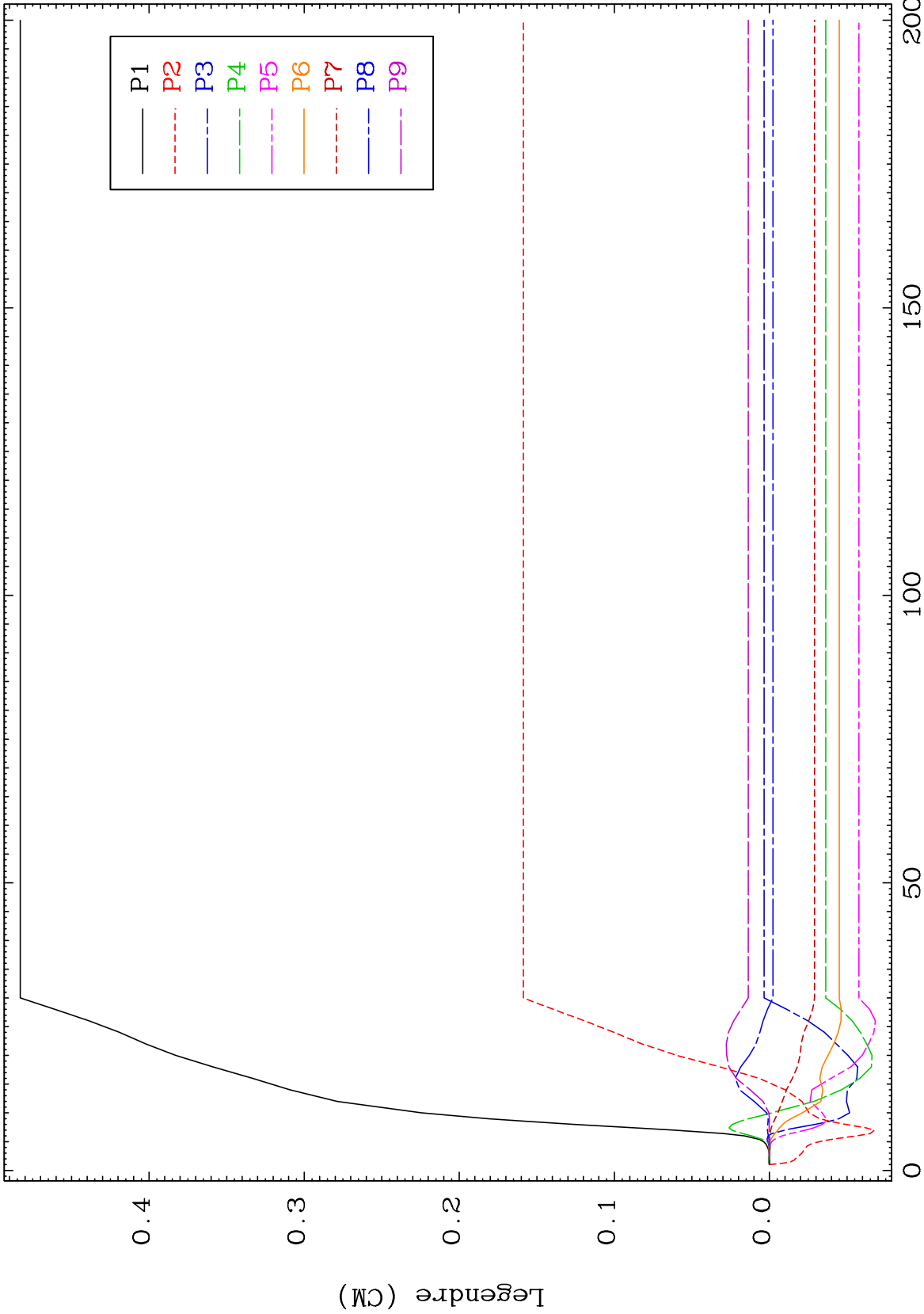
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



20

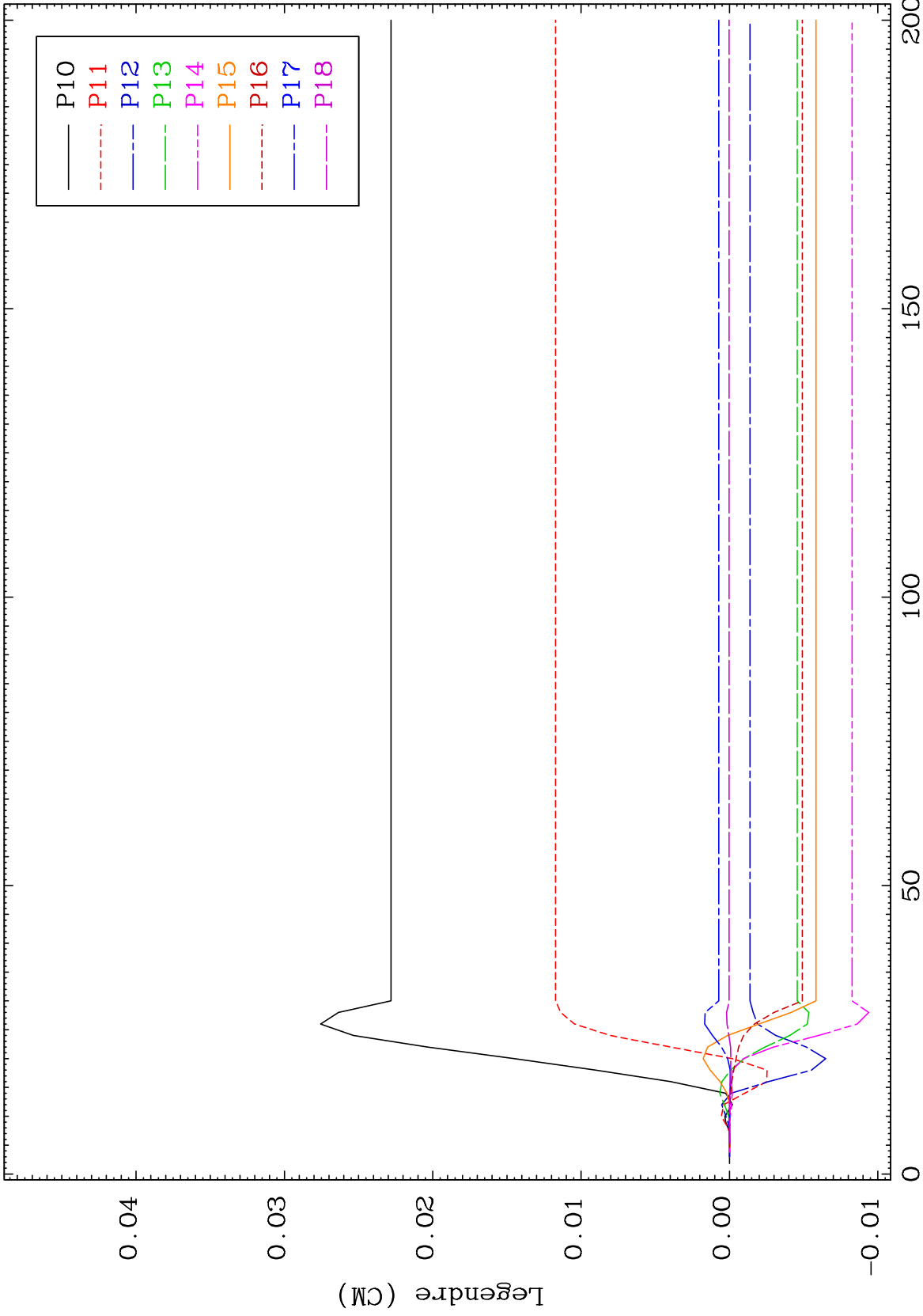
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



21

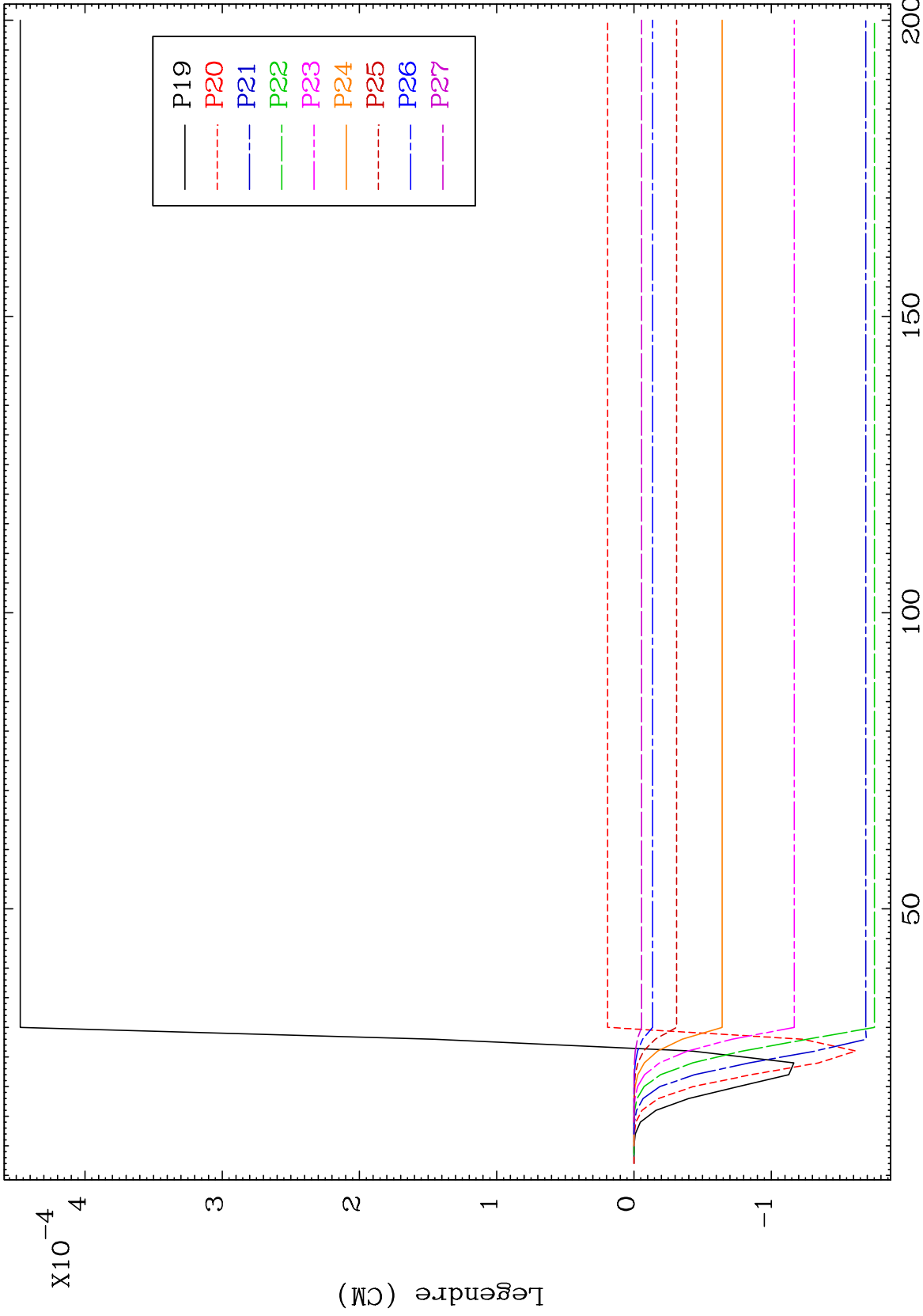
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



22

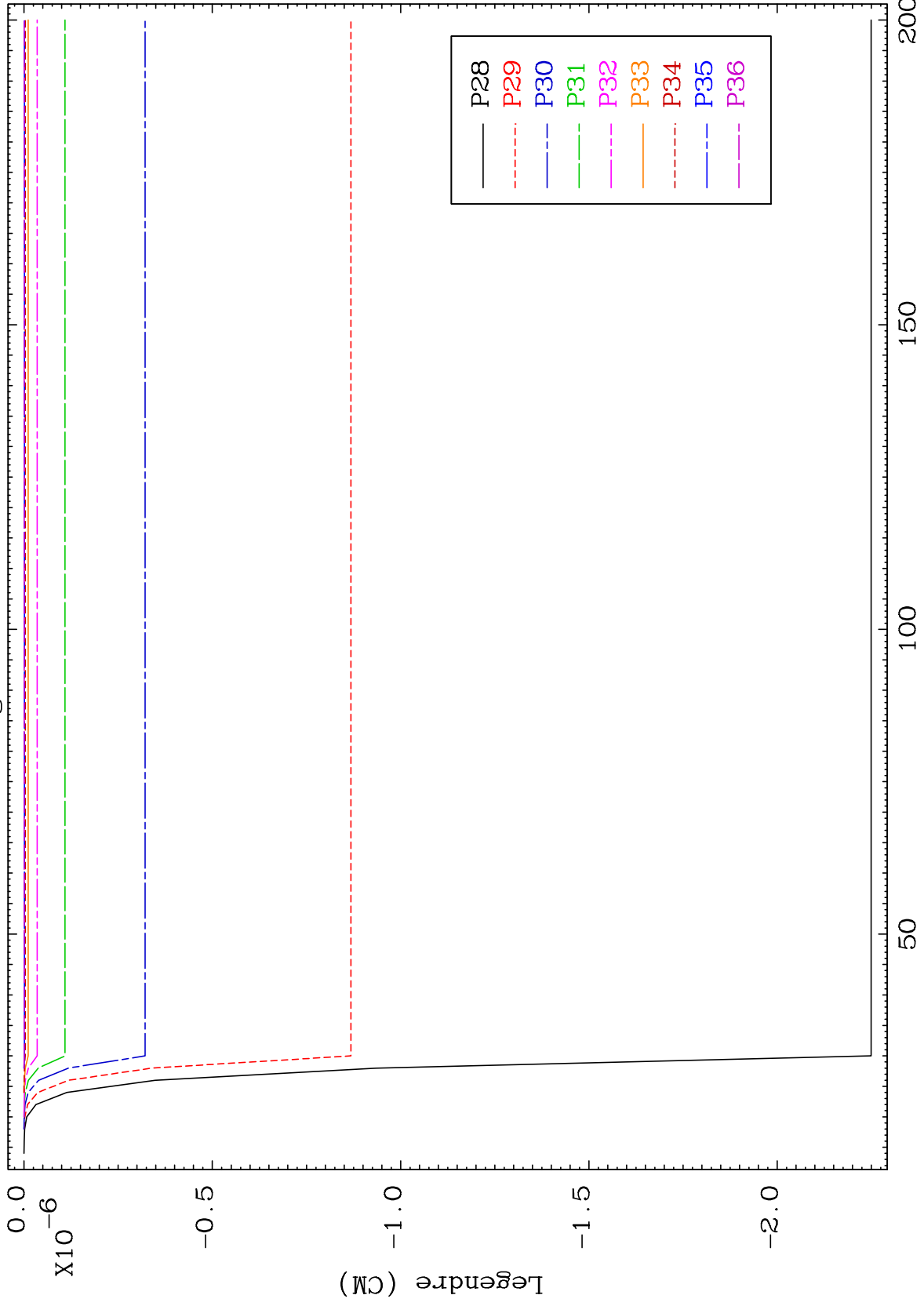
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

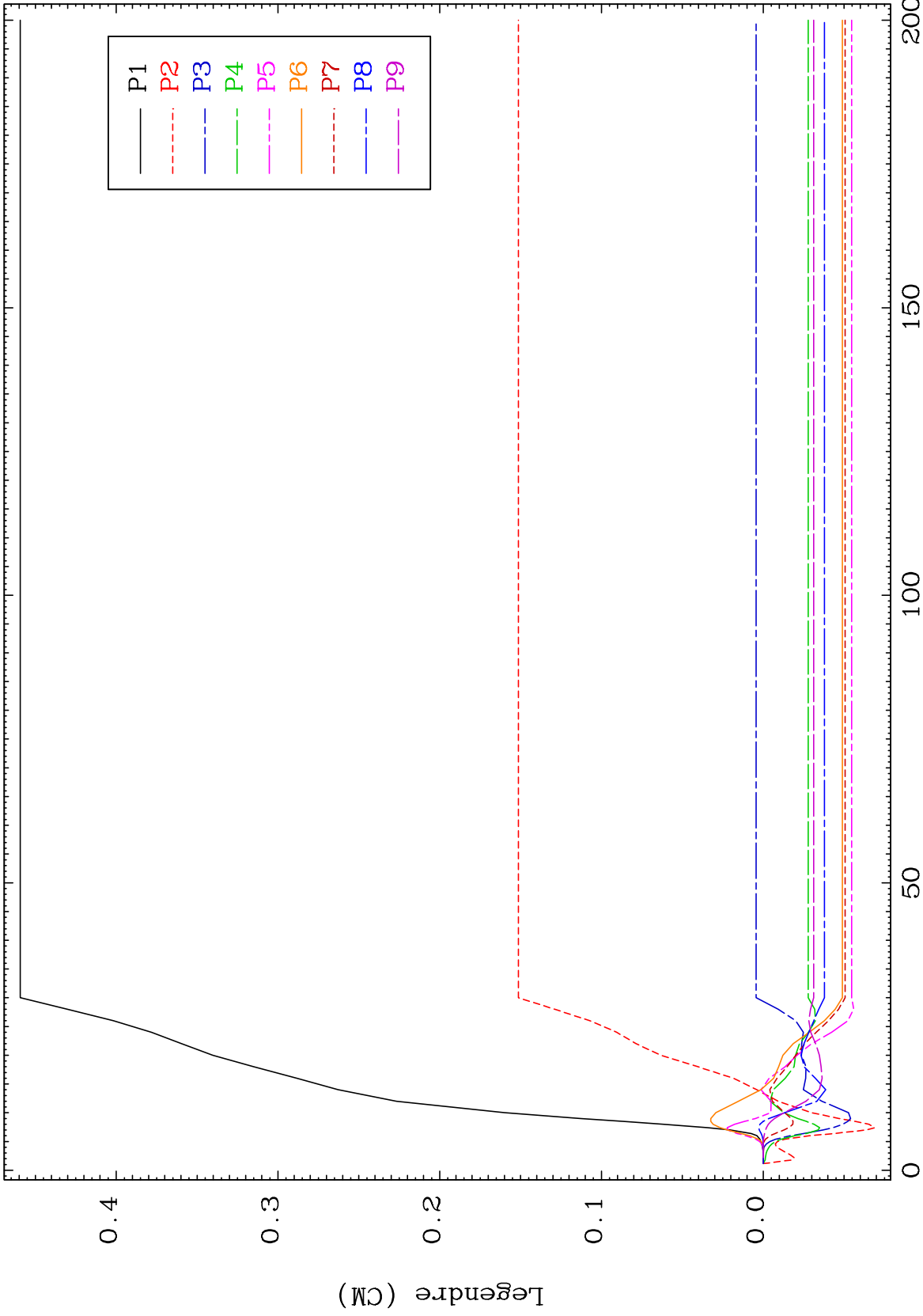
Incident Energy (MeV)

23

MAT 6410

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

64-Gd-147



24

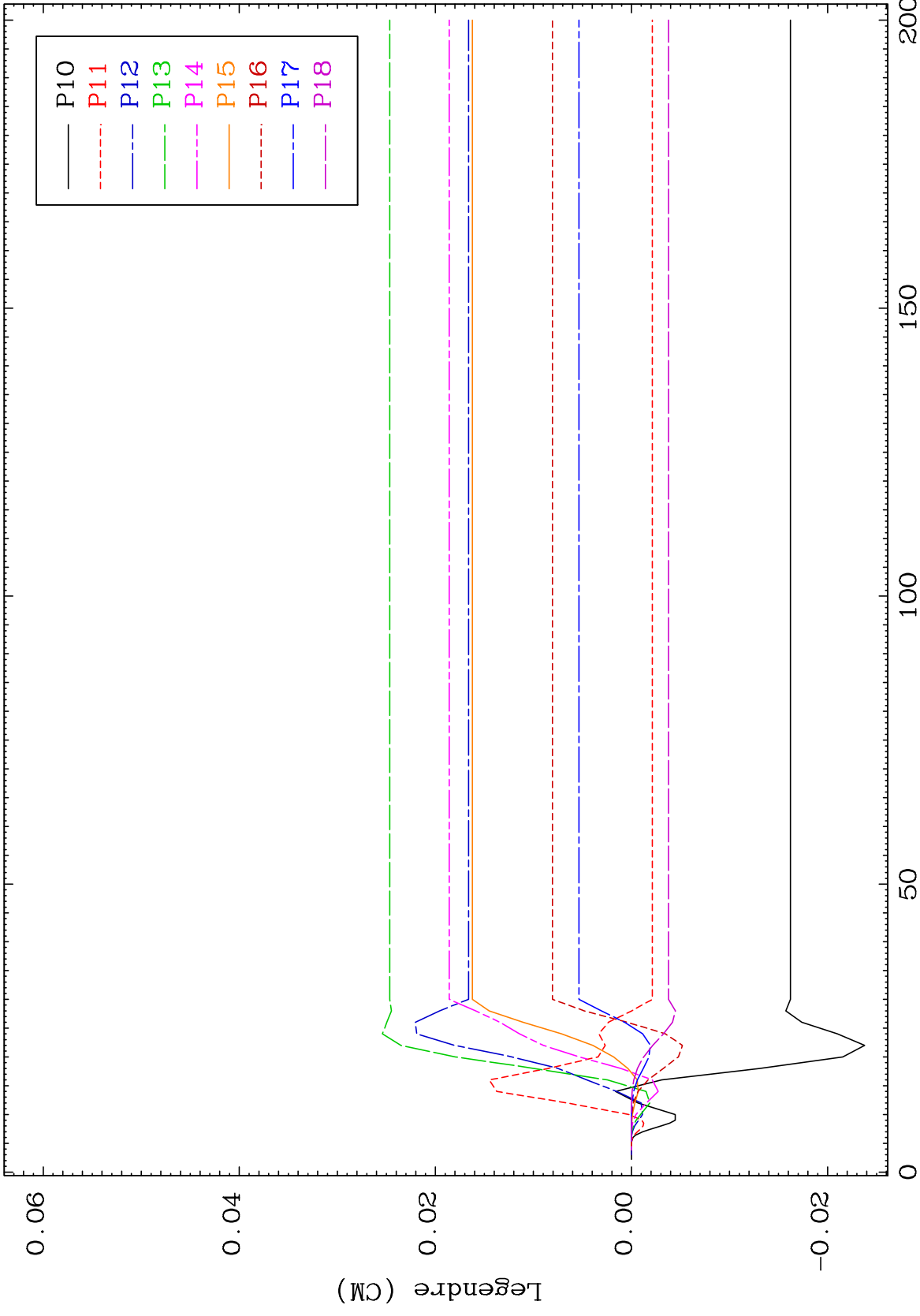
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



25

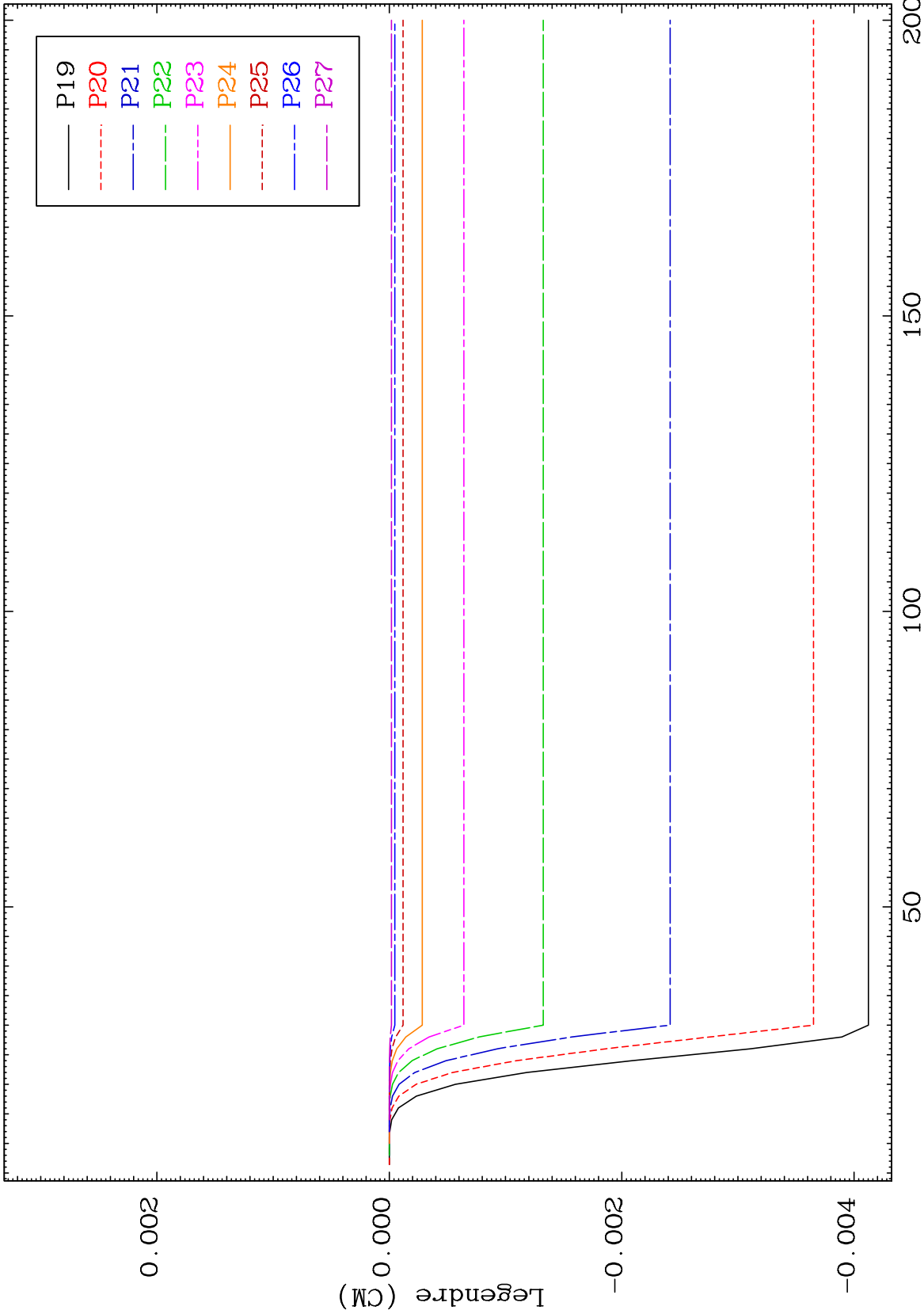
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



26

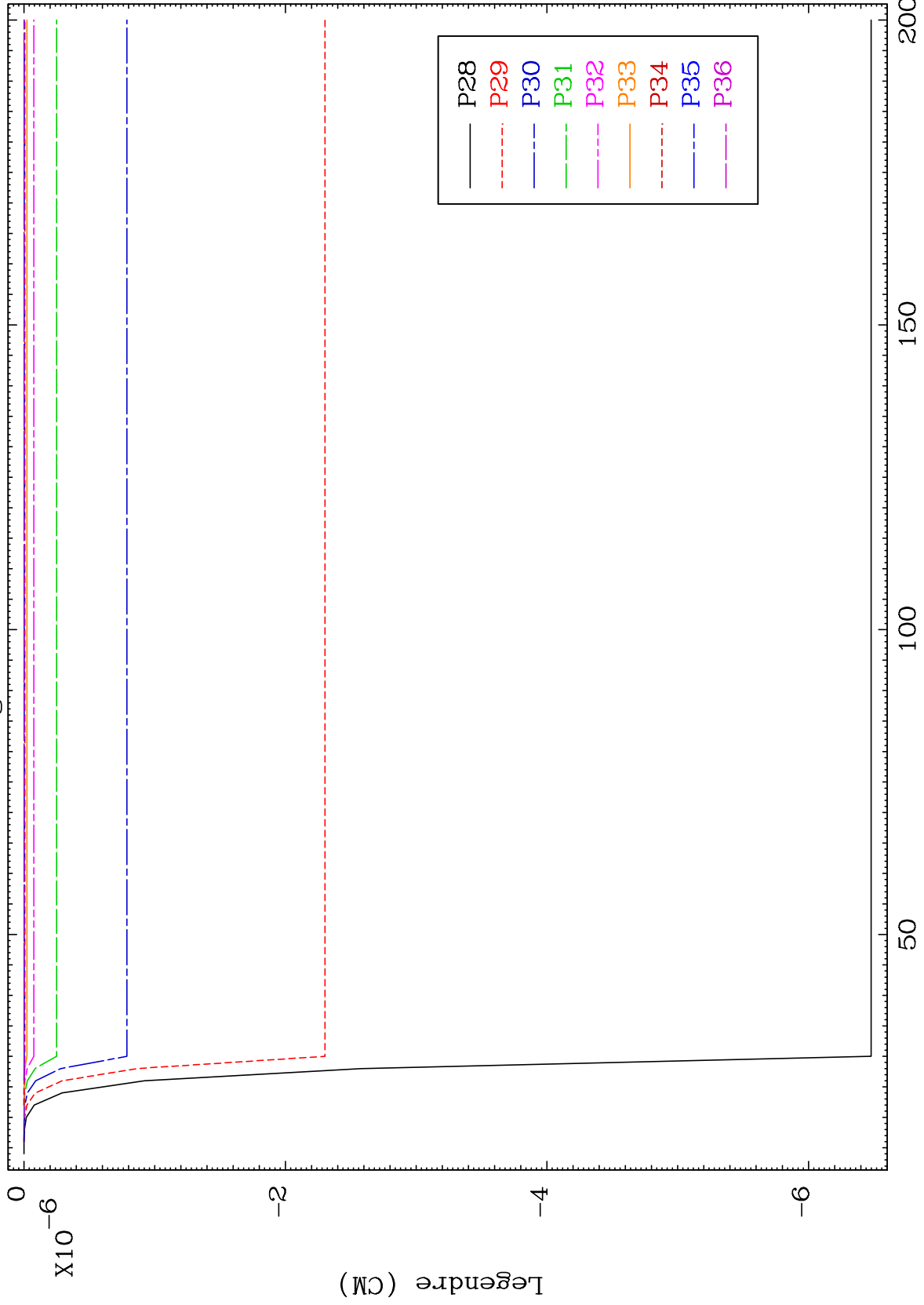
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



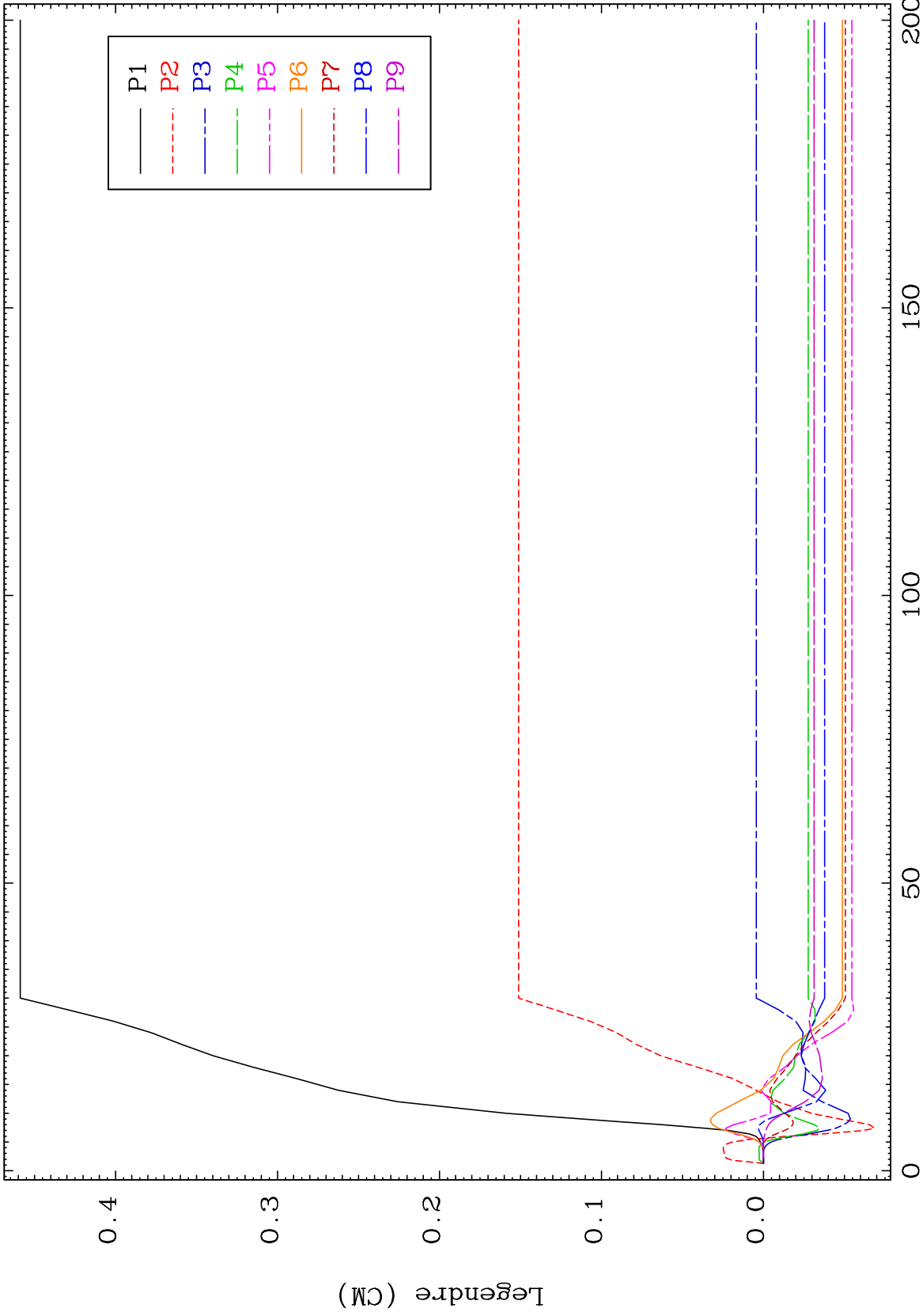
27

64-Gd-147

MAT 6410

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

64-Gd-147



28

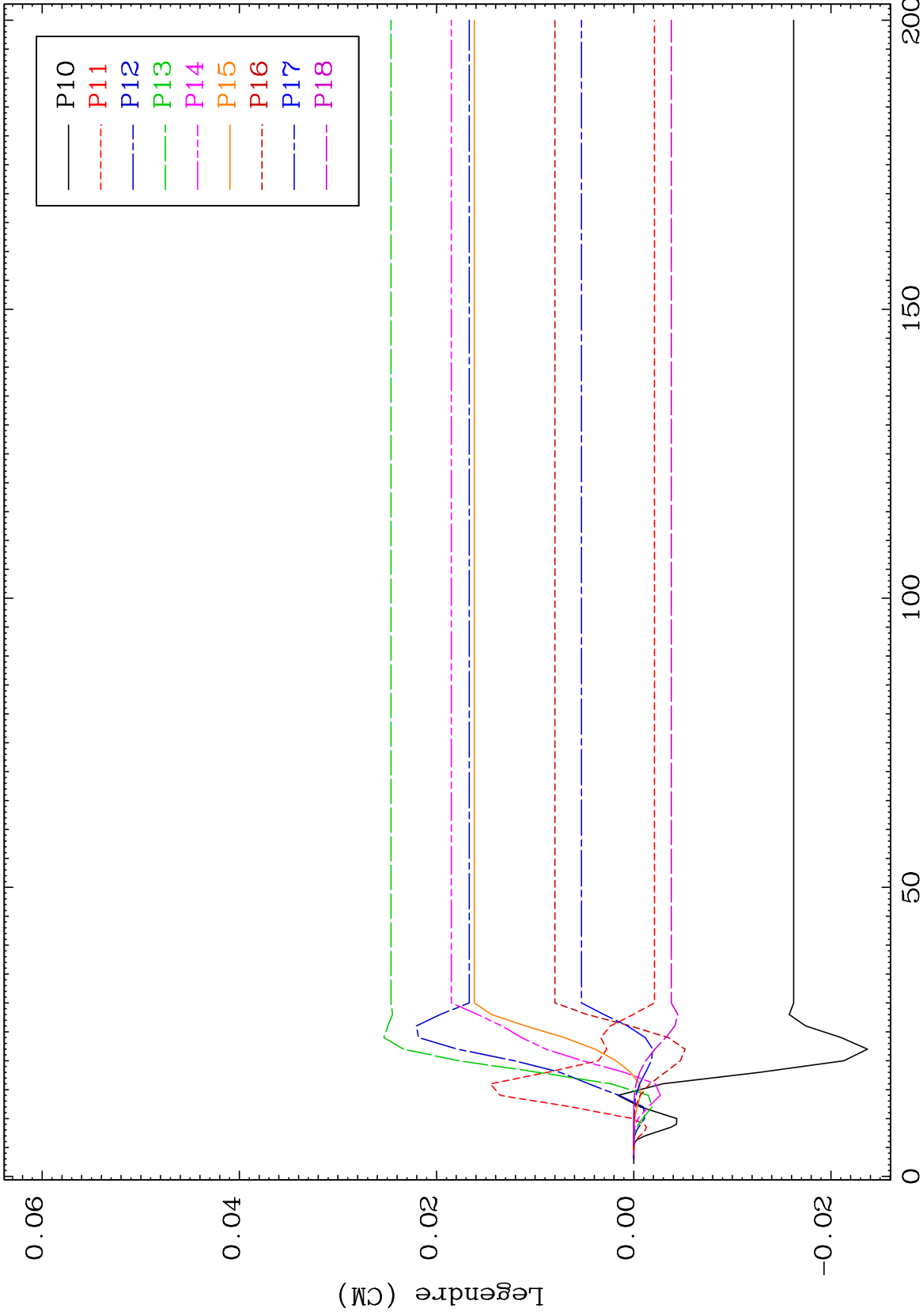
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



29

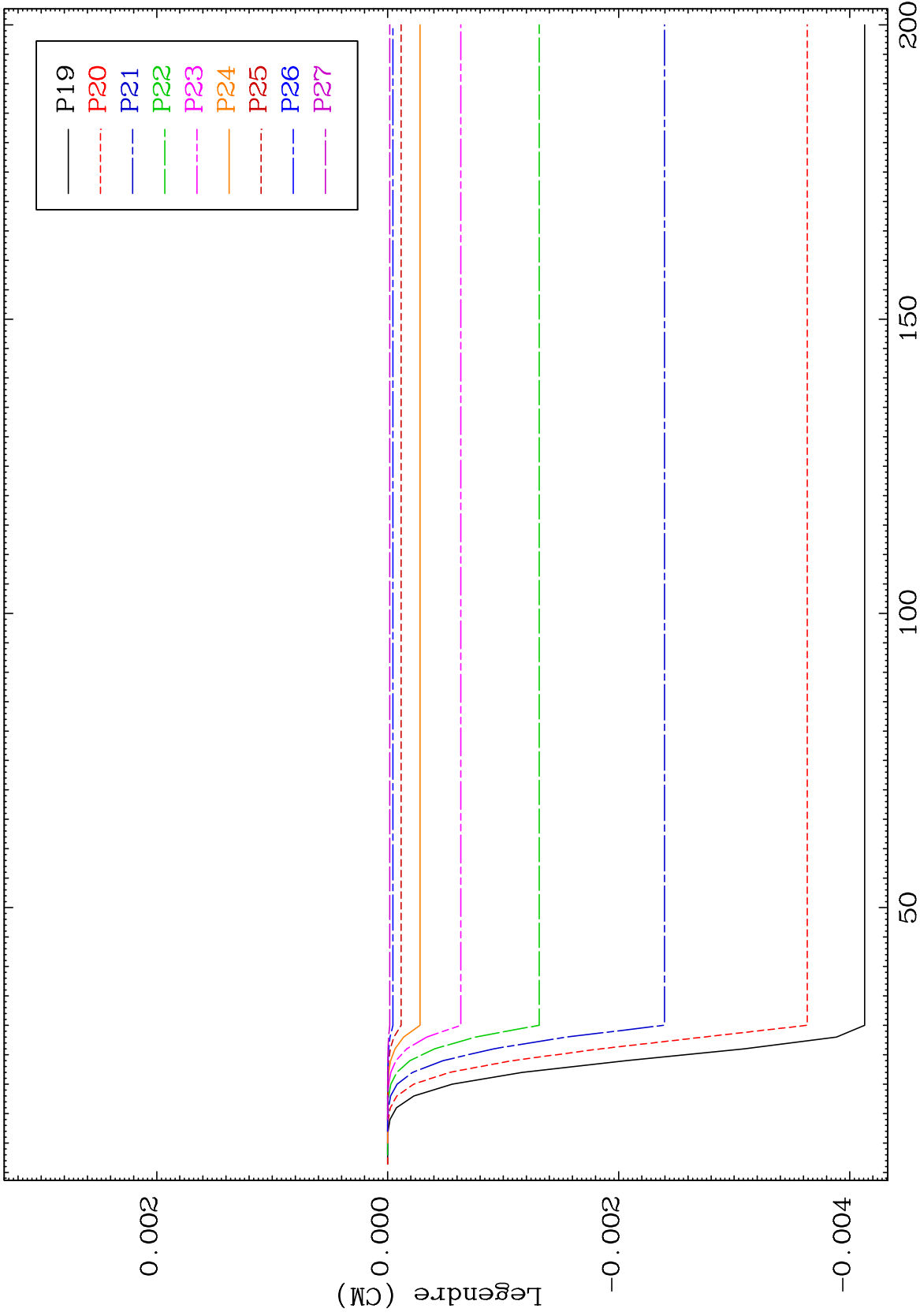
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



30

Incident Energy (MeV)

50

100

150

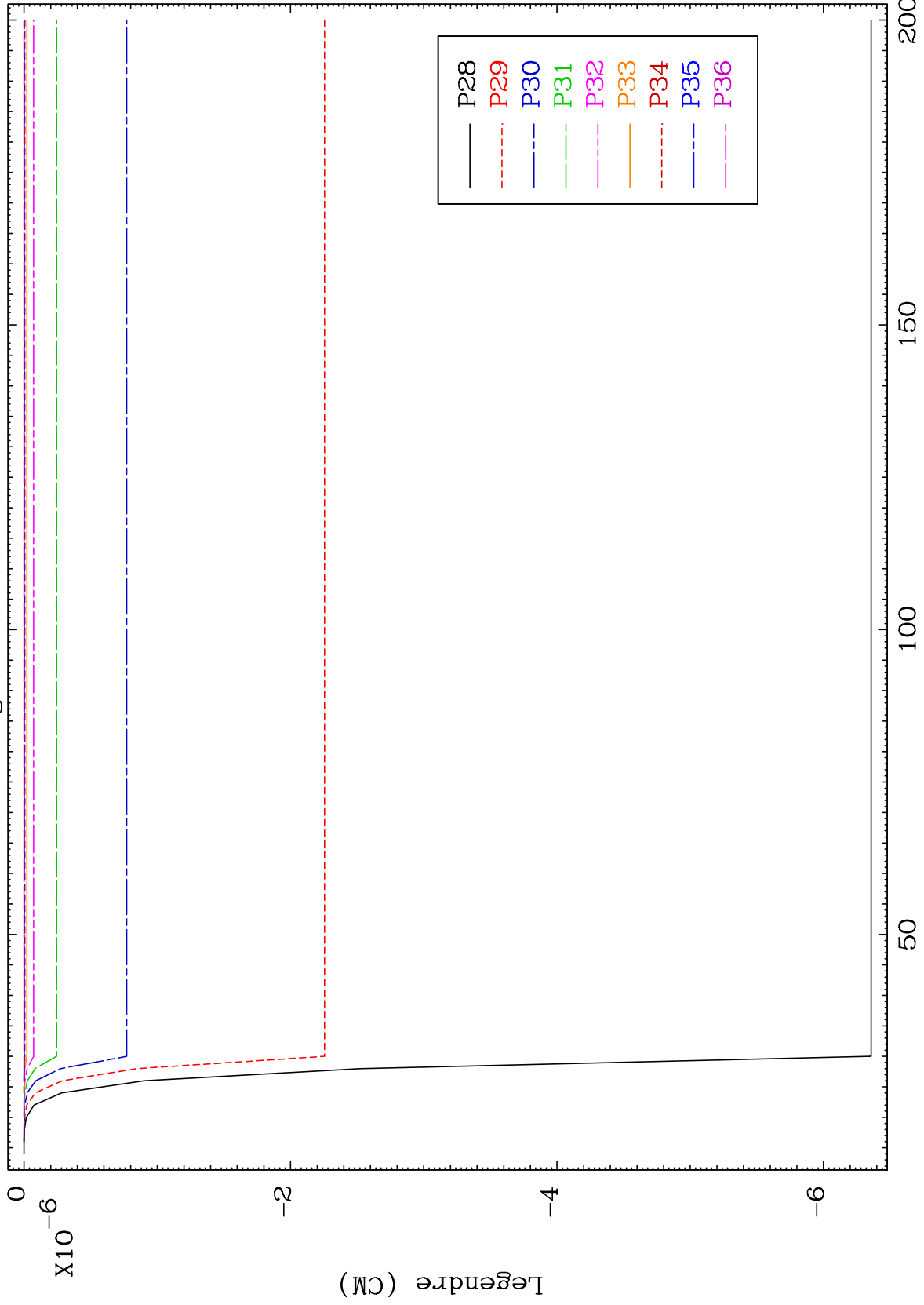
200

64-Gd-147

MAT 6410

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

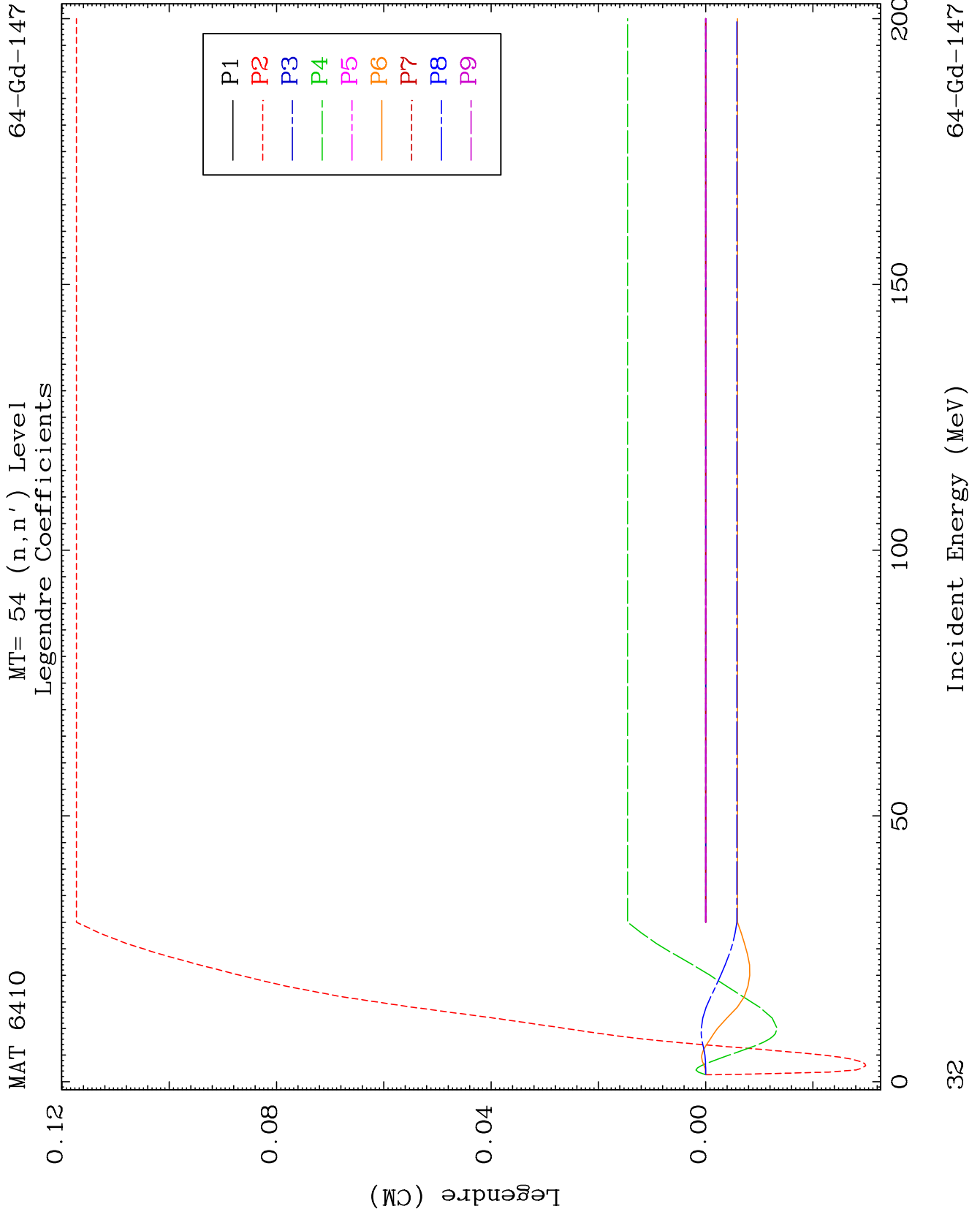
64-Gd-147



64-Gd-147

Incident Energy (MeV)

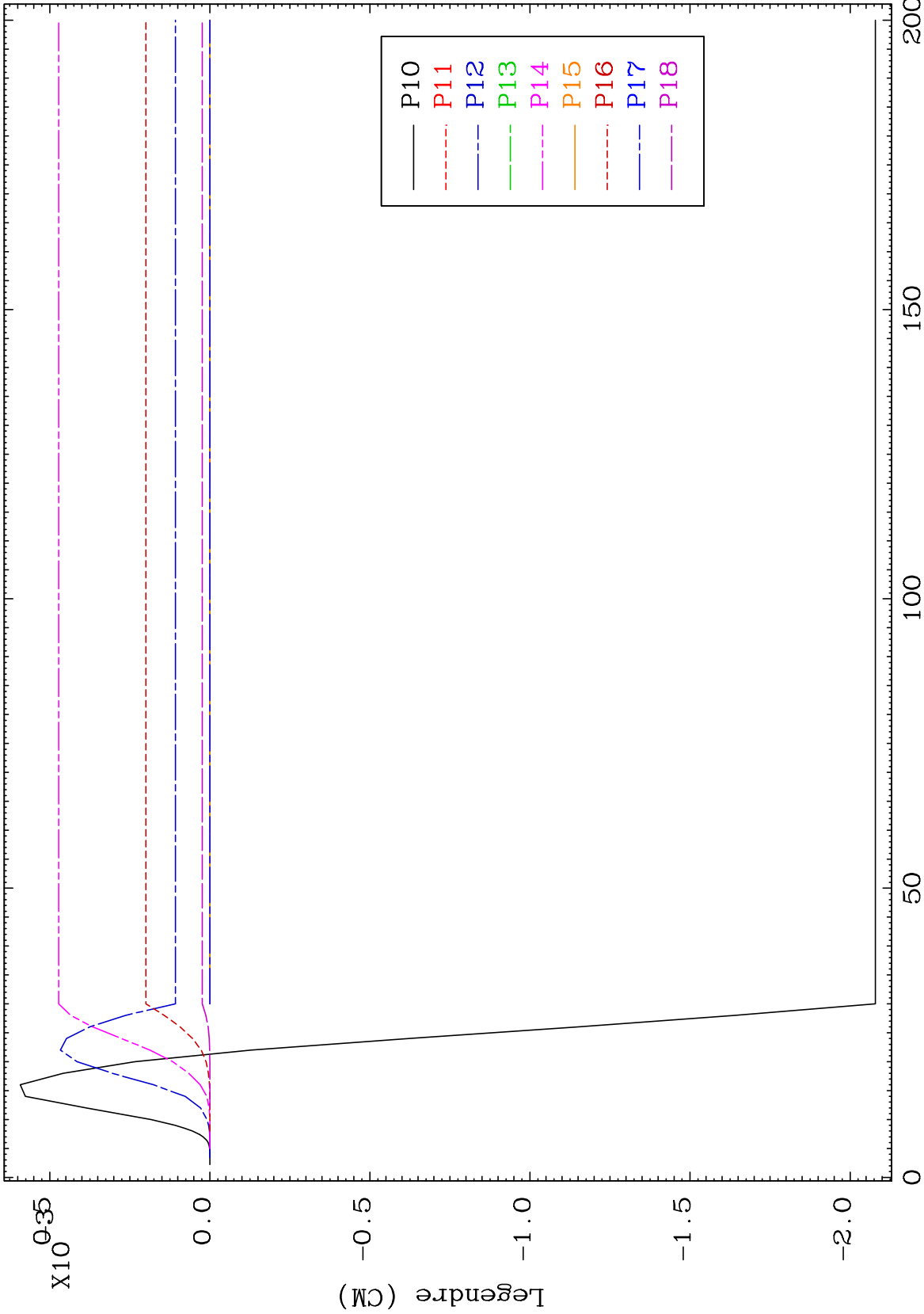
31



MAT 6410

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

64-Gd-147

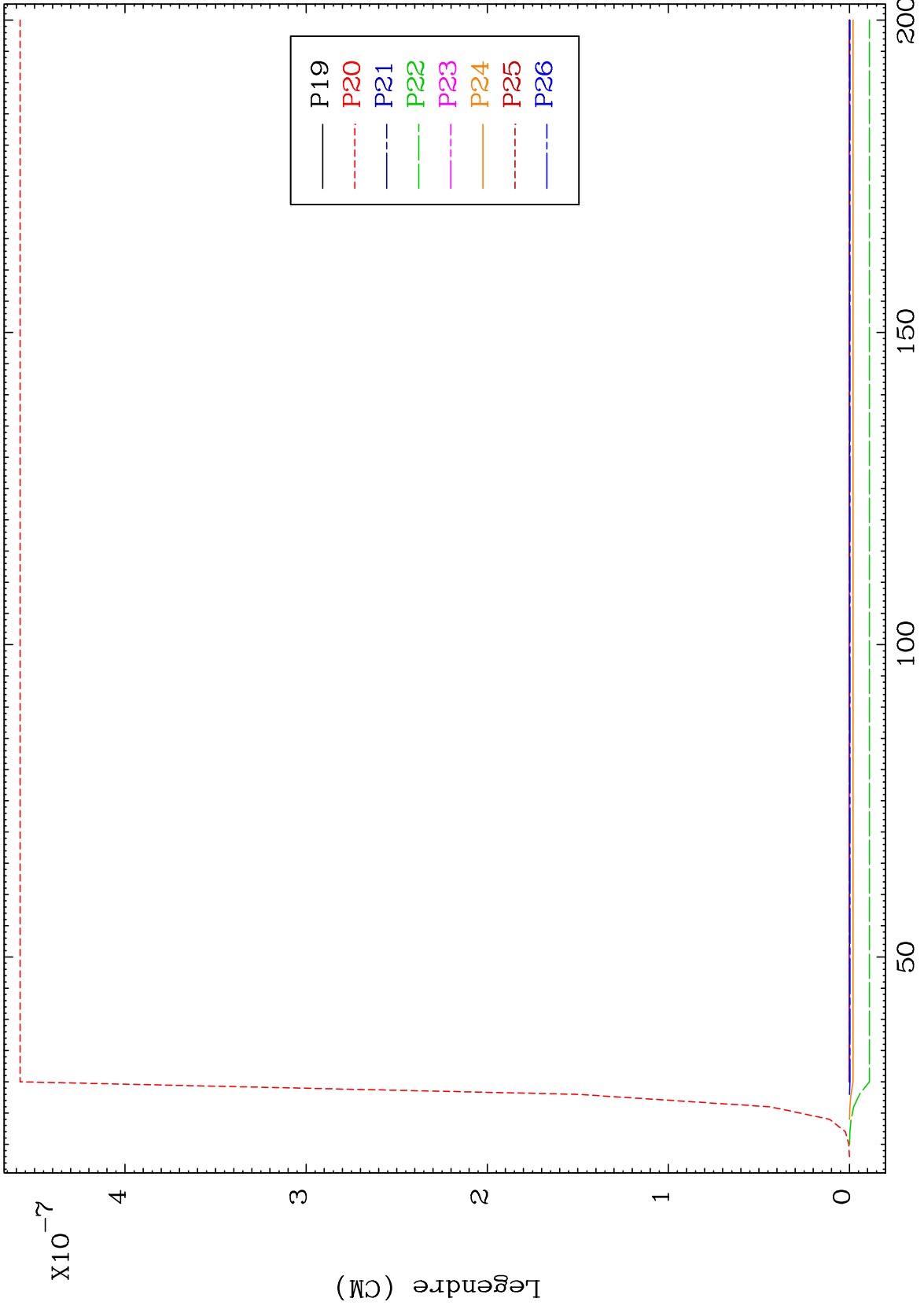


33

Incident Energy (MeV)

64-Gd-147

MAT 6410 MT= 54 (n,n') Level Legendre Coefficients 64-Gd-147

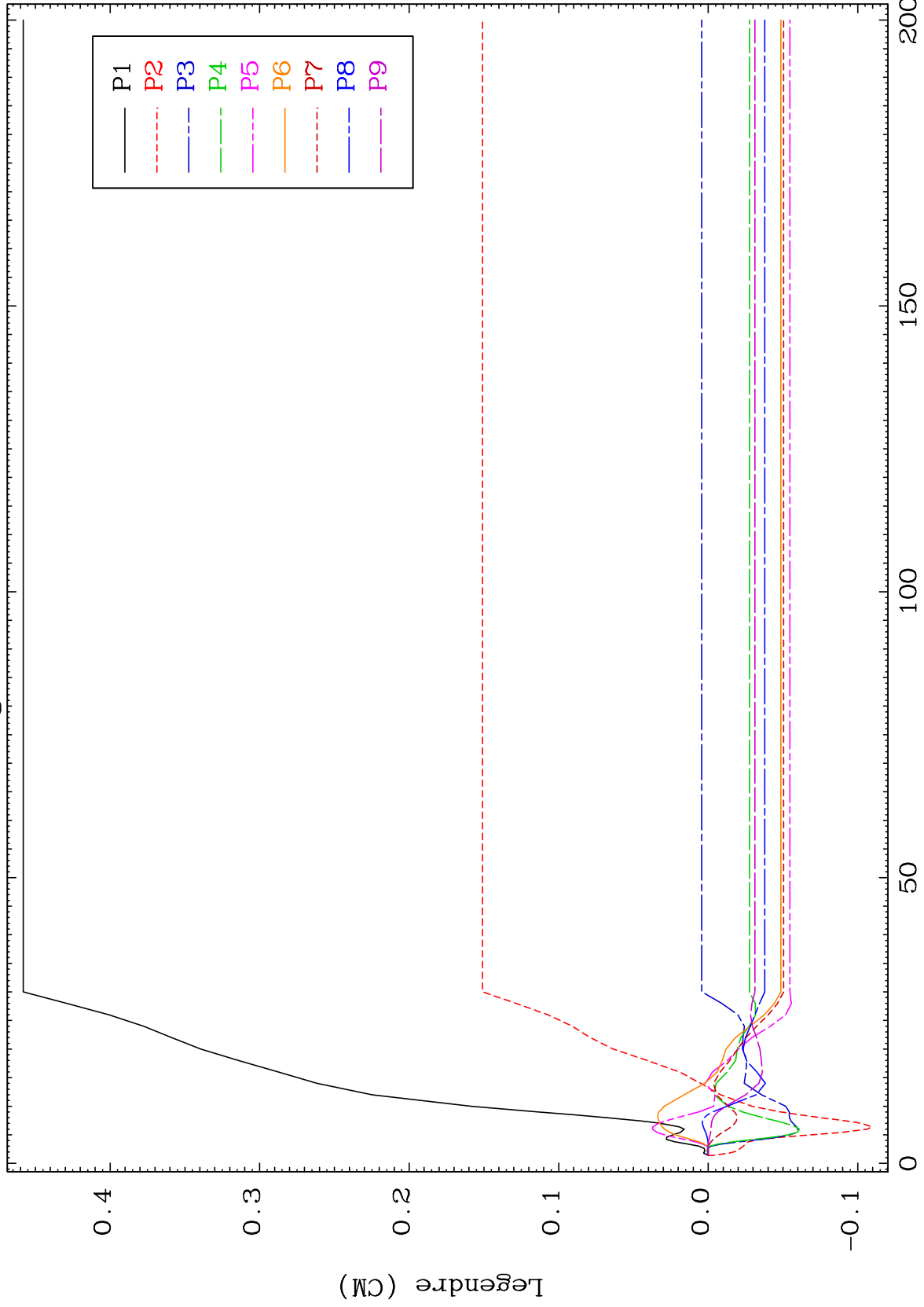


34 Incident Energy (MeV) 64-Gd-147

MAT 6410

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

64-Gd-147



35

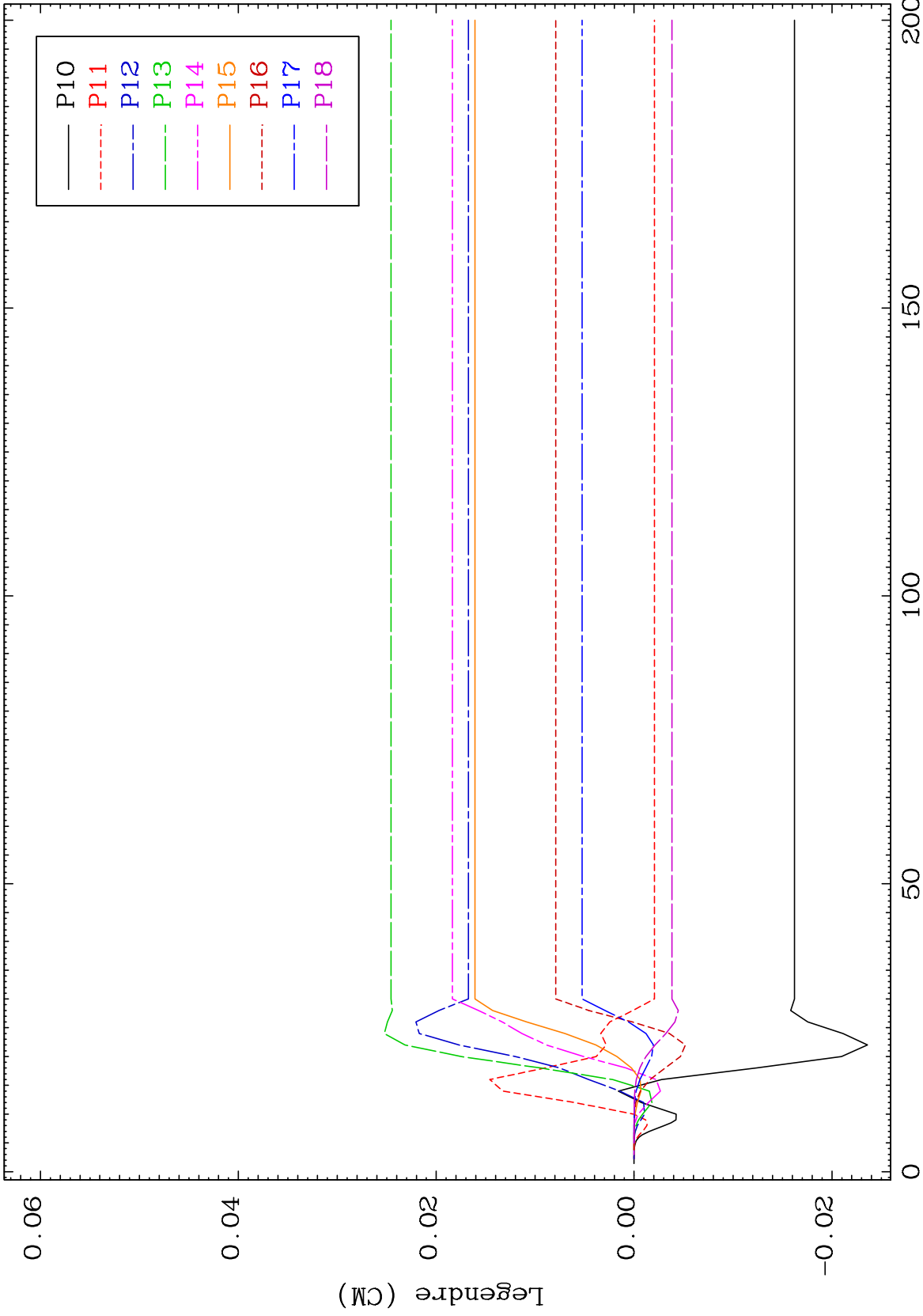
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



36

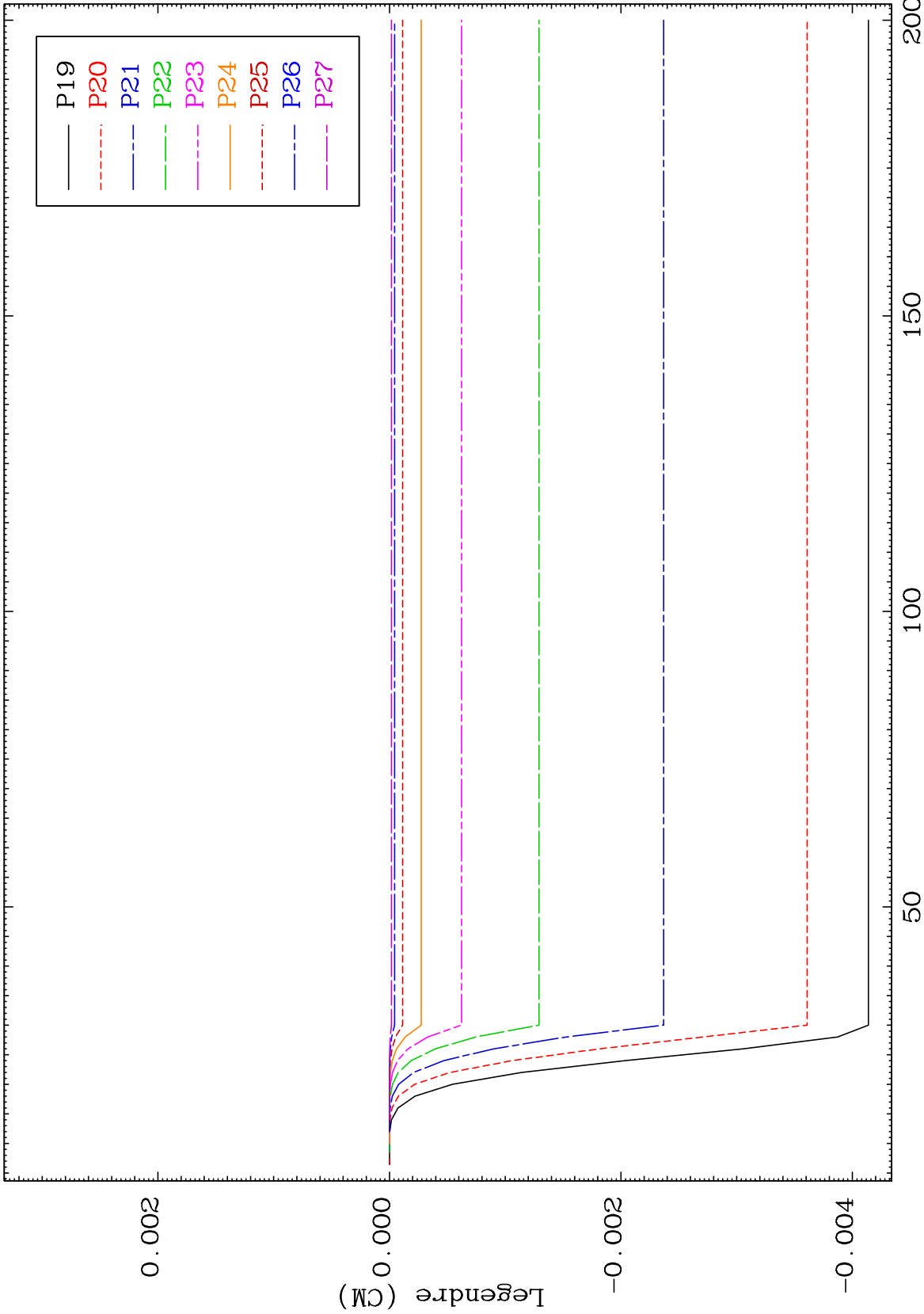
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



37

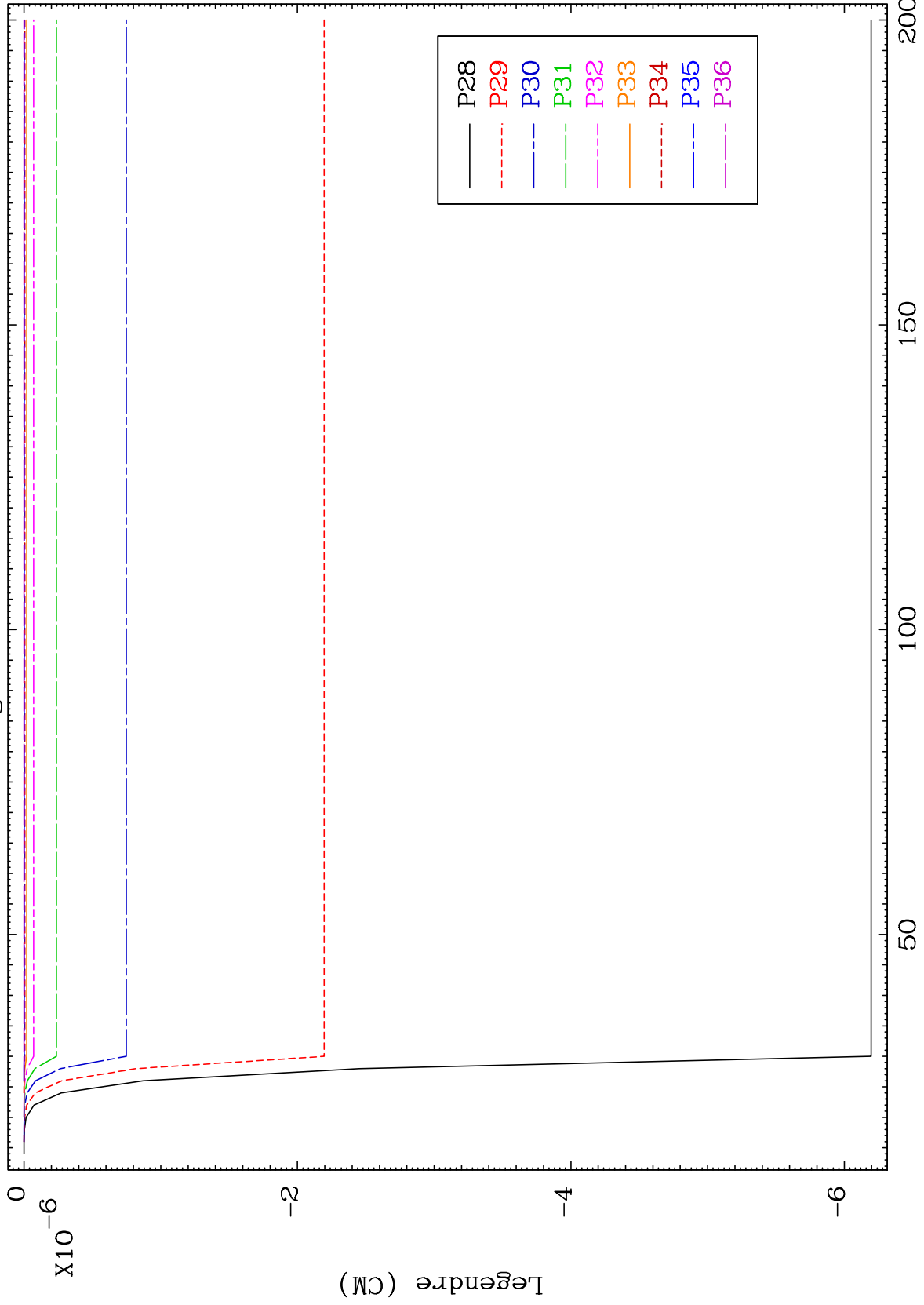
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

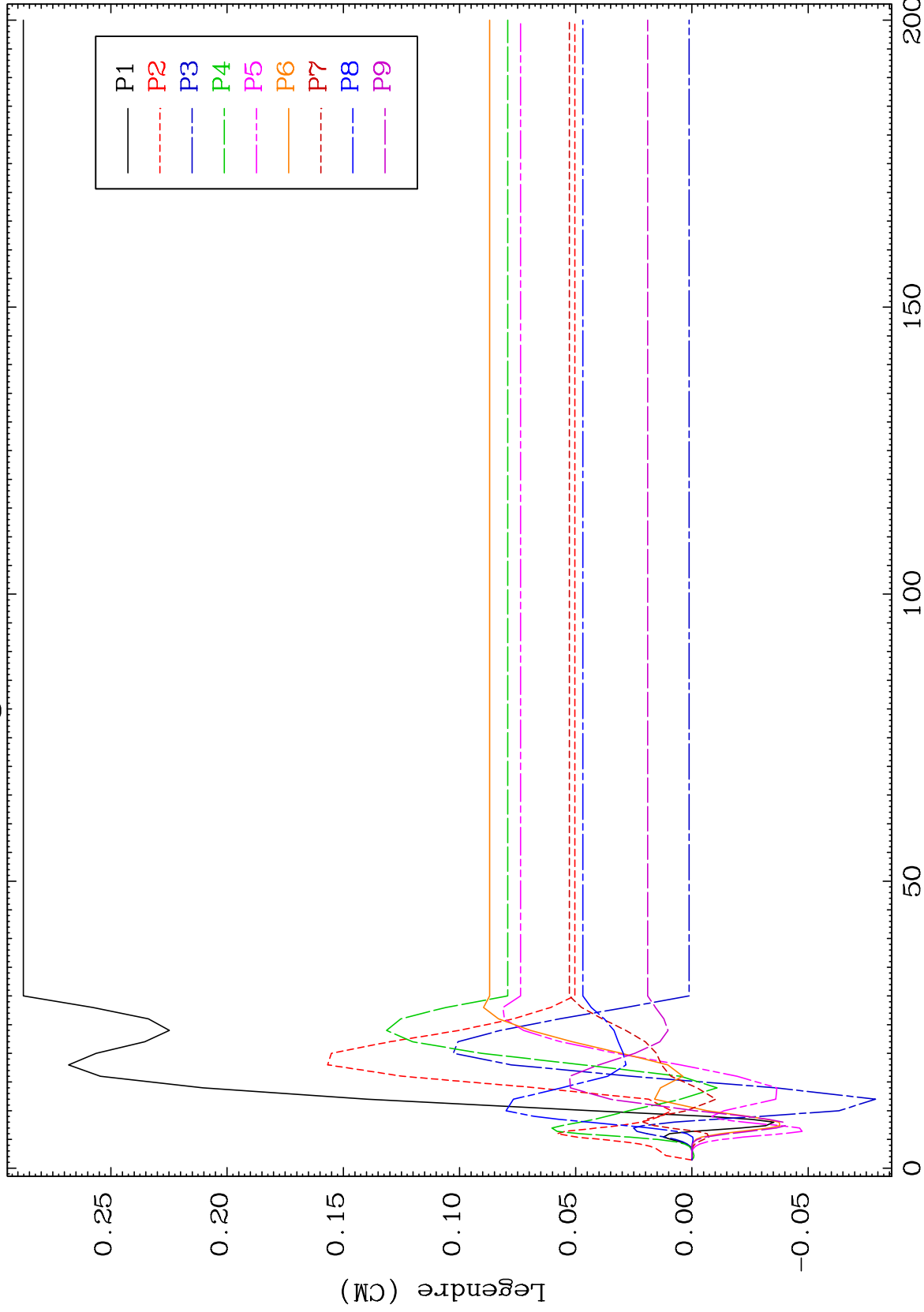
Incident Energy (MeV)

38

MAT 6410

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

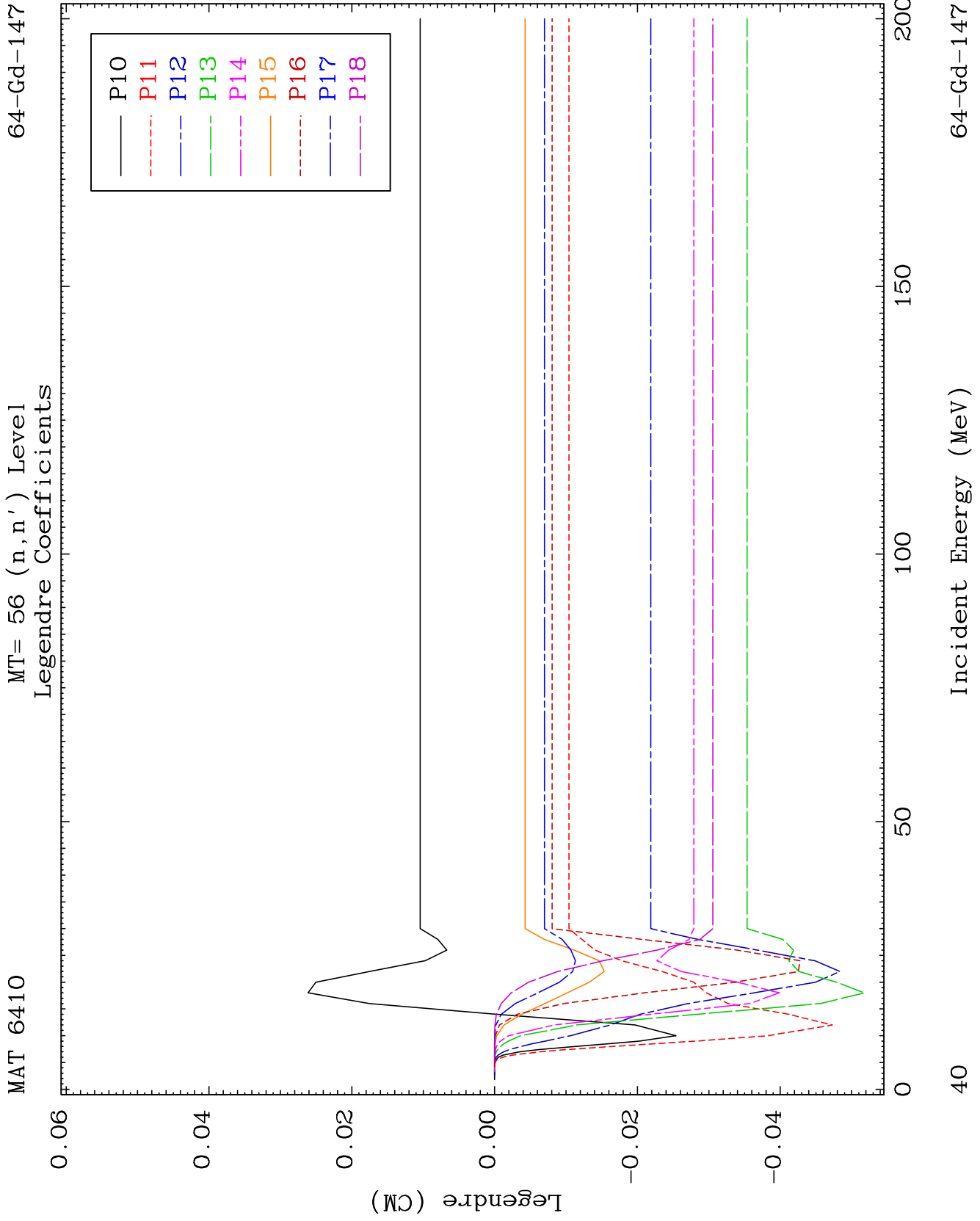
64-Gd-147



39

Incident Energy (MeV)

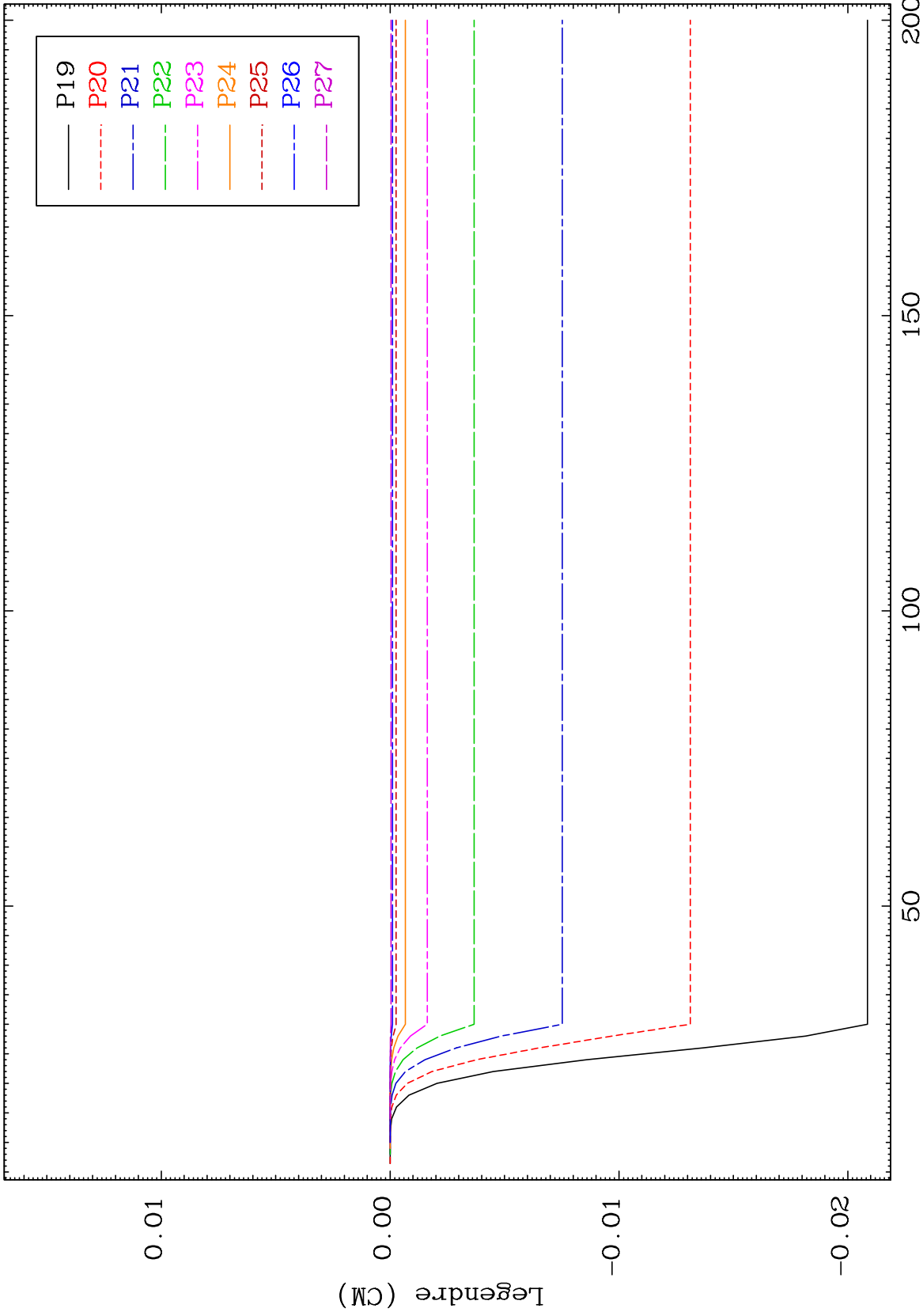
64-Gd-147



MAT 6410

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

64-Gd-147



41

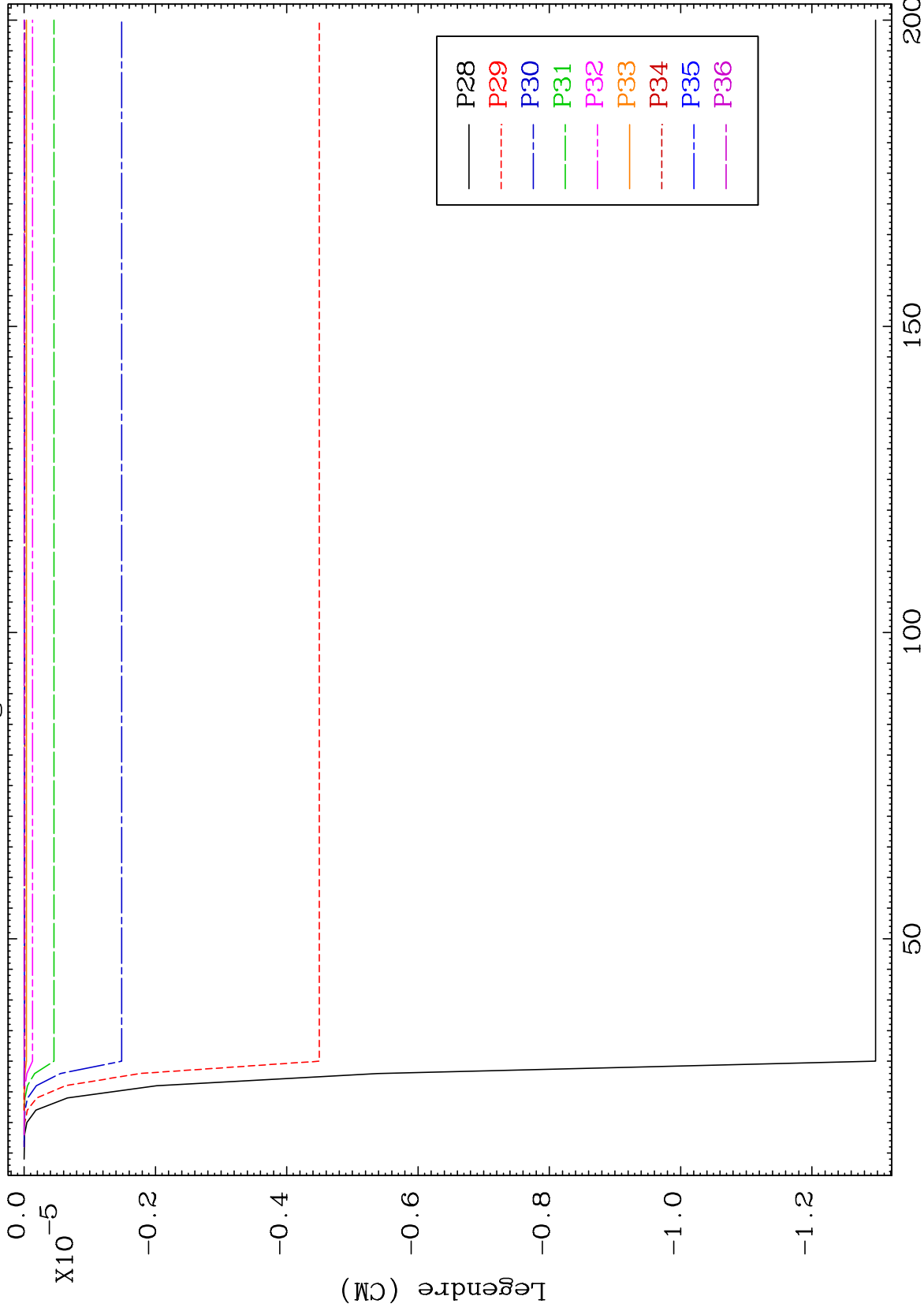
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

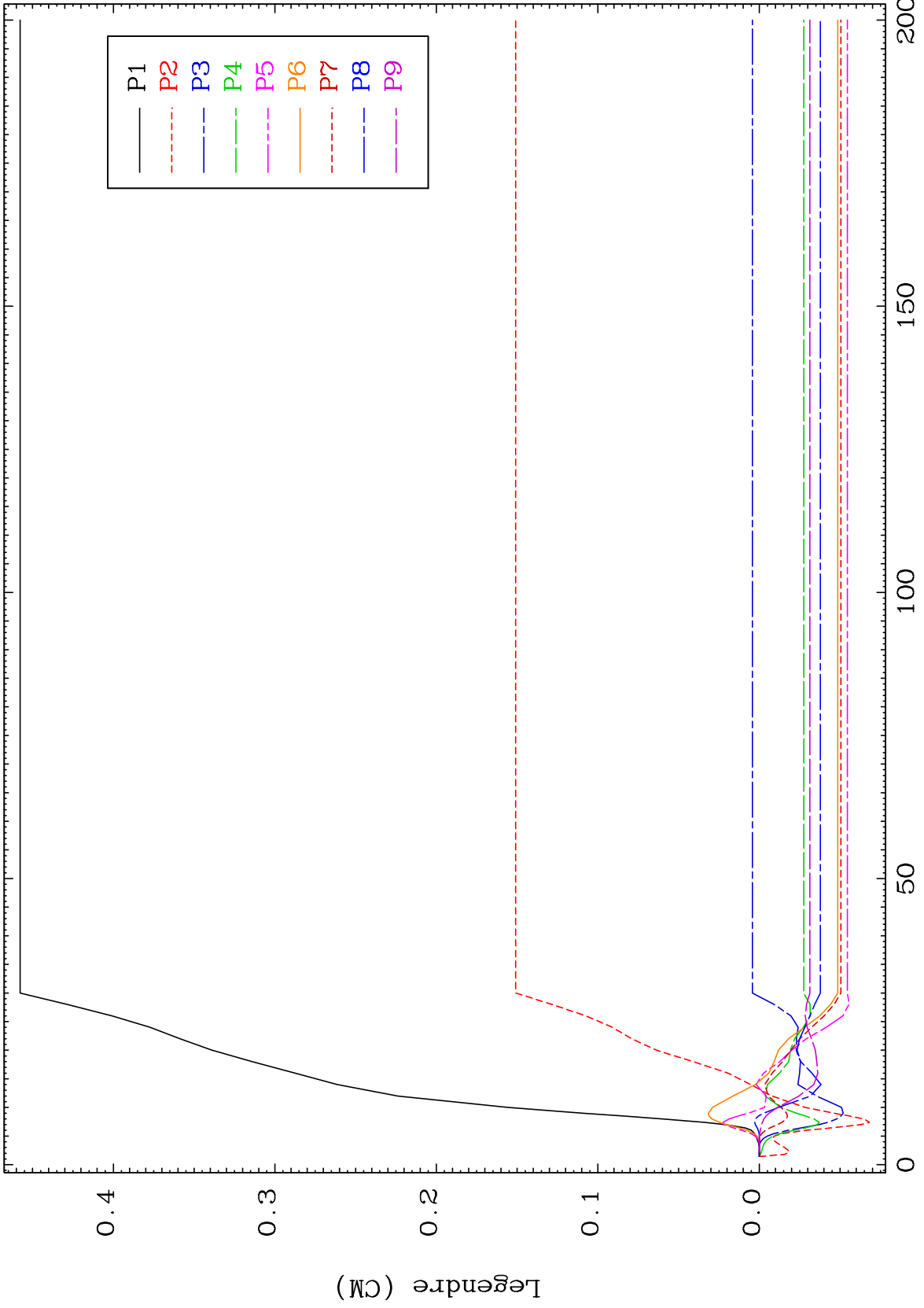
Incident Energy (MeV)

42

MAT 6410

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

64-Gd-147



43

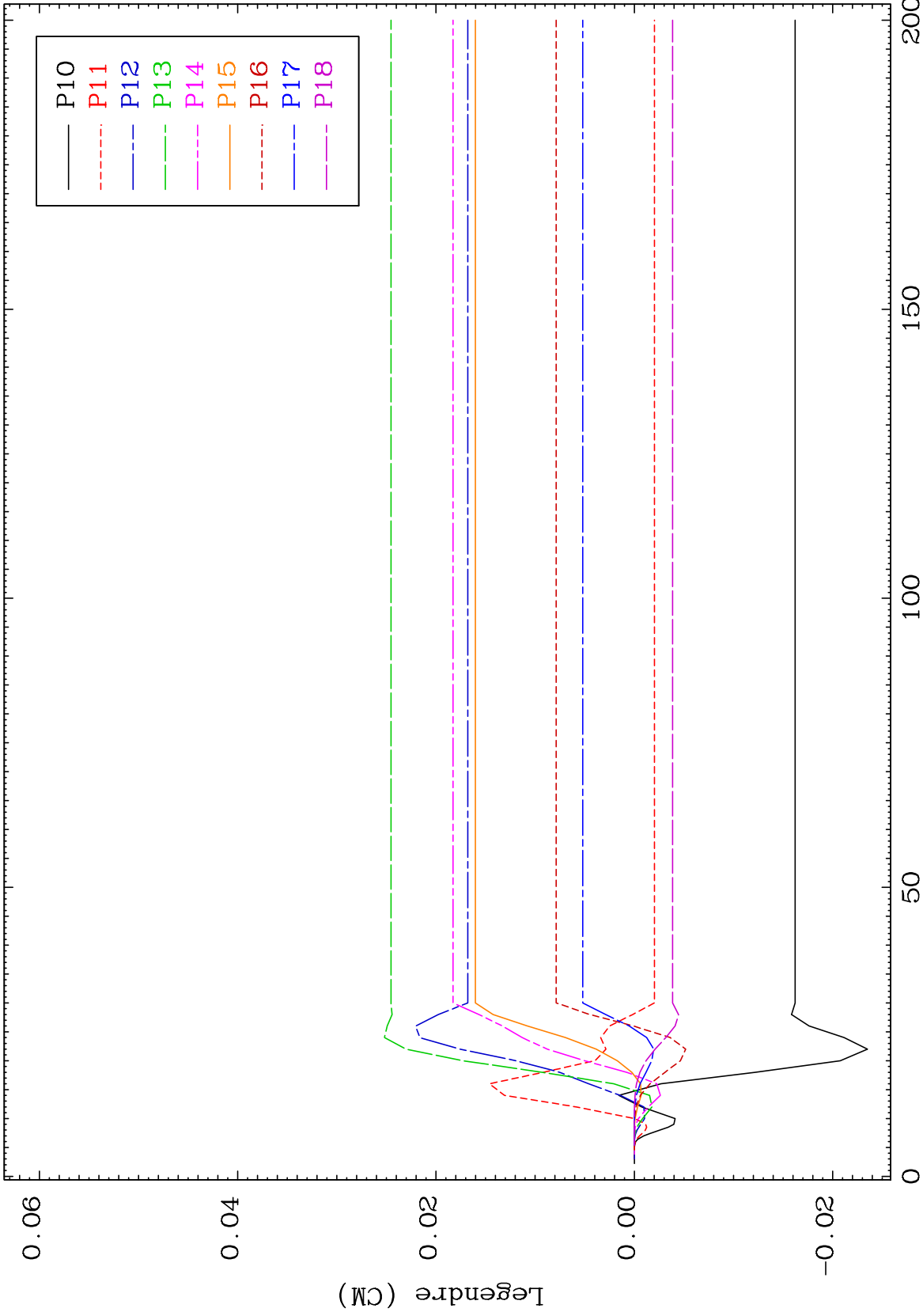
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



44

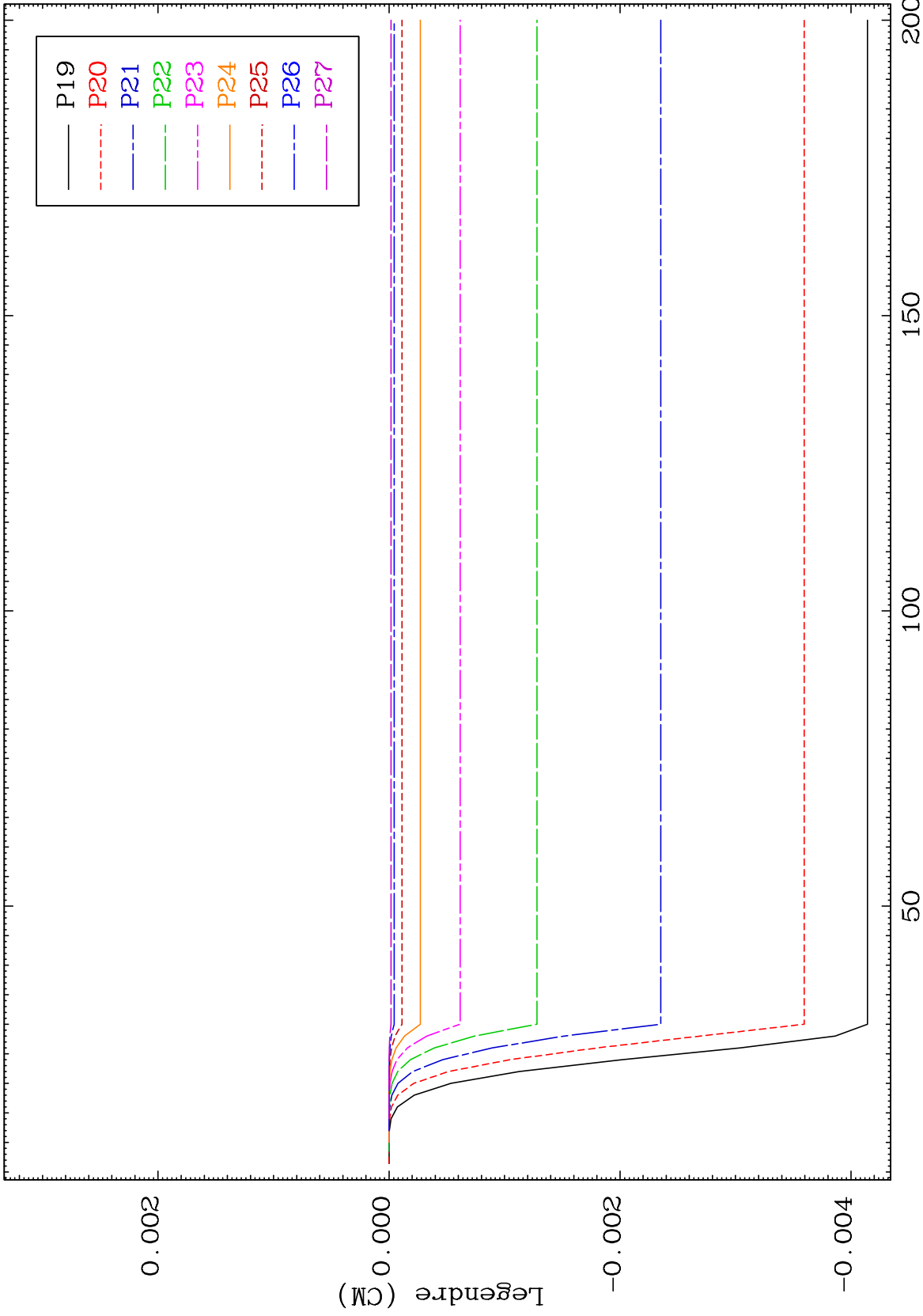
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



45

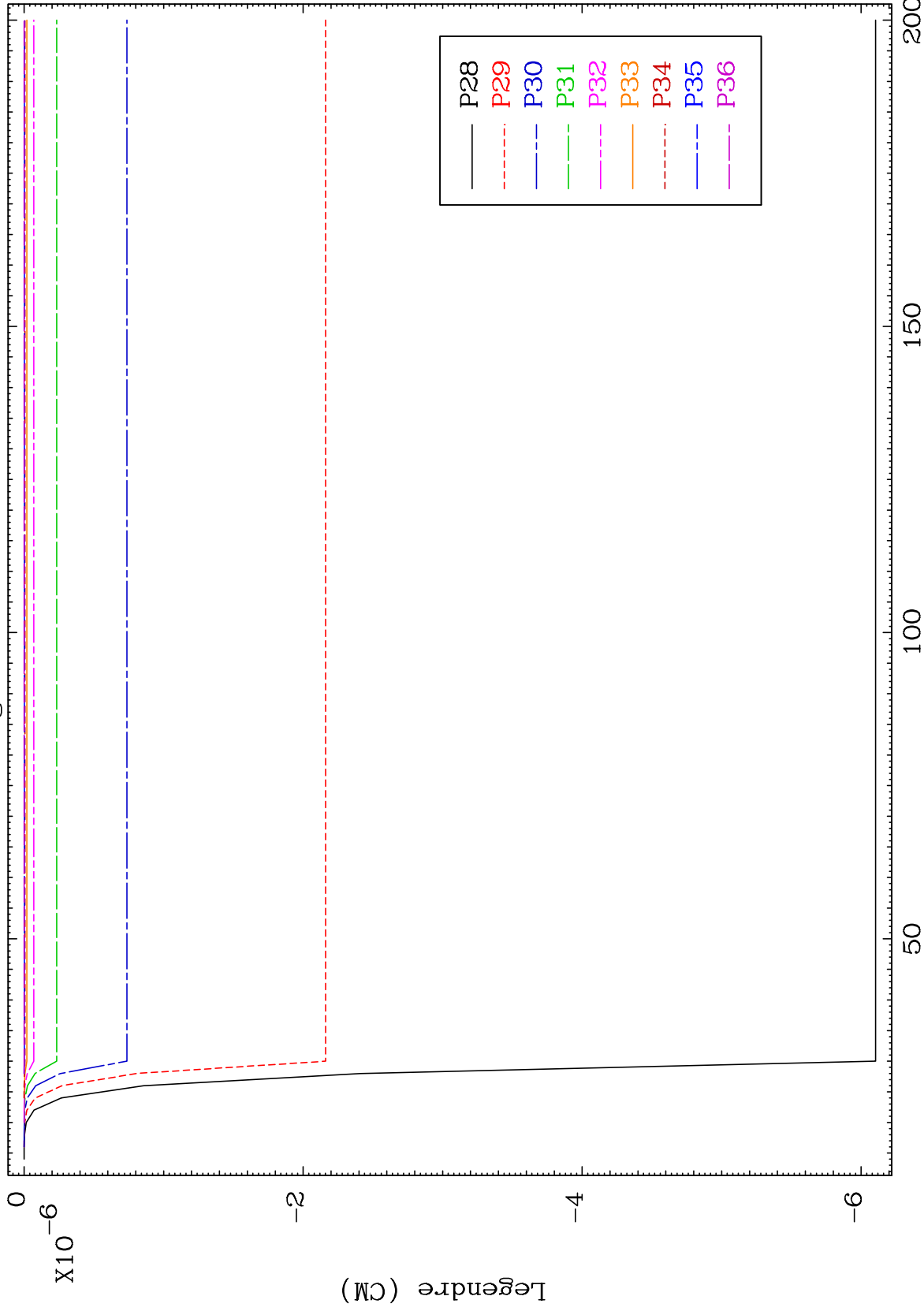
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147

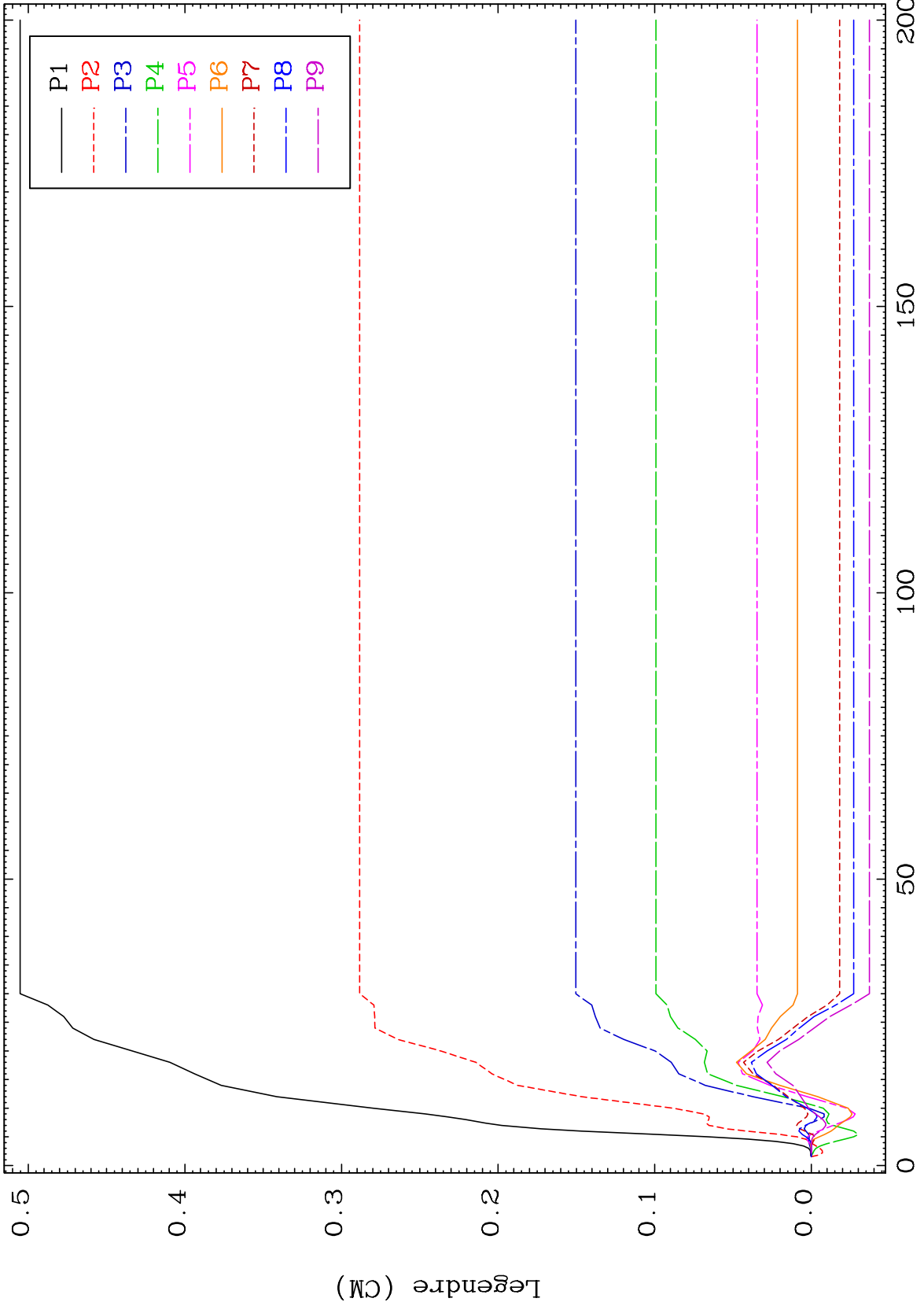


64-Gd-147

Incident Energy (MeV)

46

MAT 6410 MT= 58 (n,n') Level Legendre Coefficients 64-Gd-147

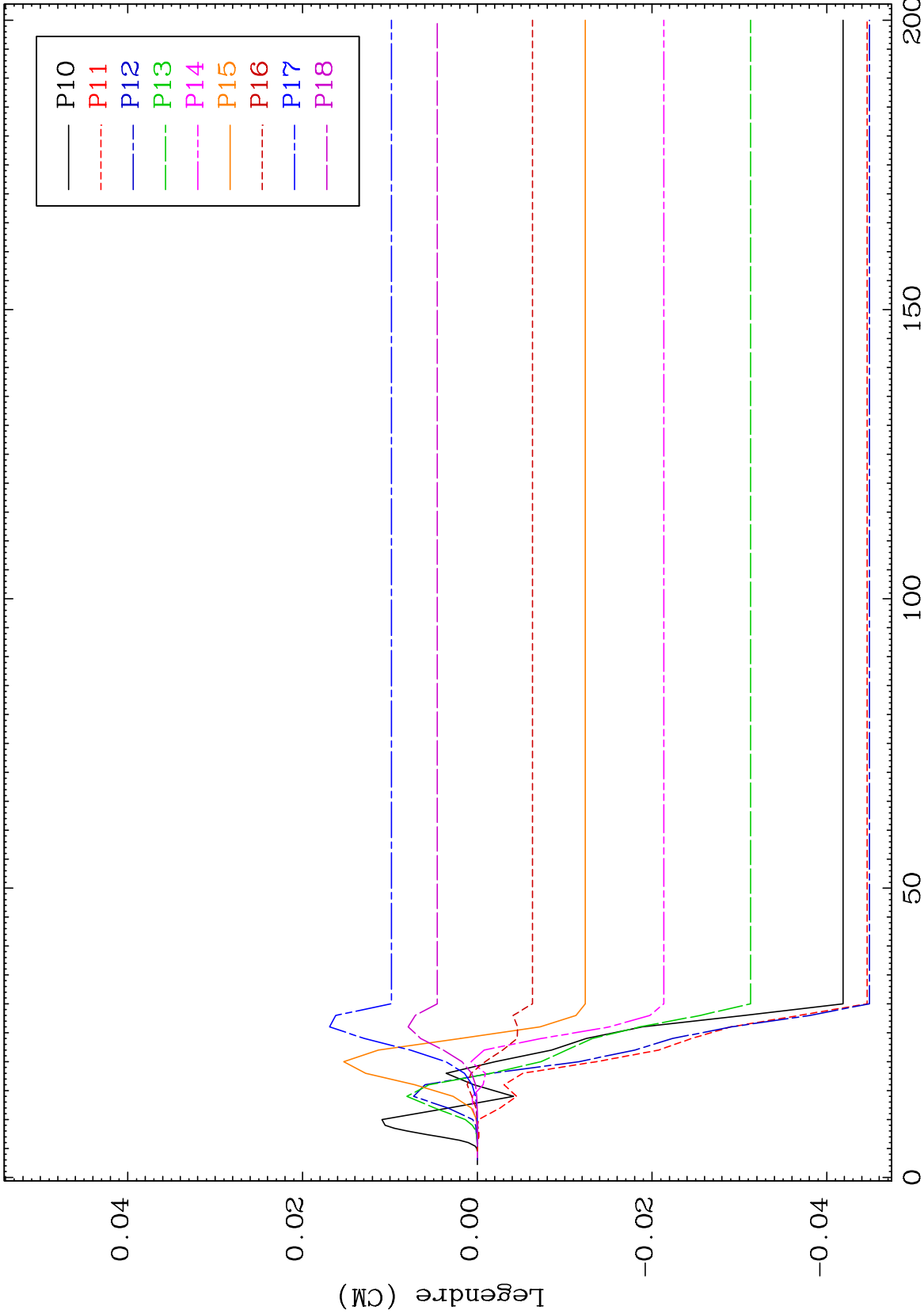


47 64-Gd-147

MAT 6410

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

64-Gd-147



48

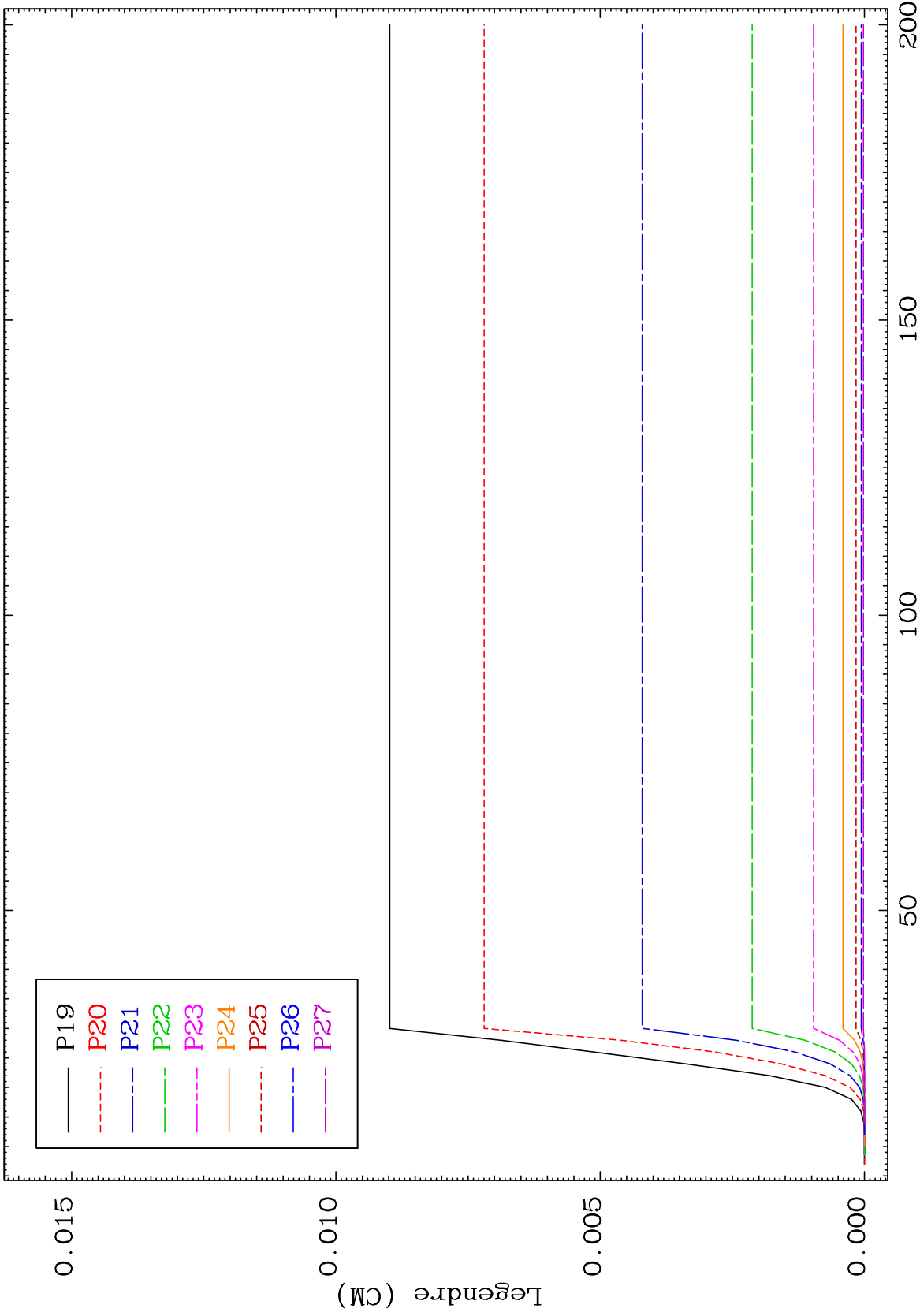
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



49

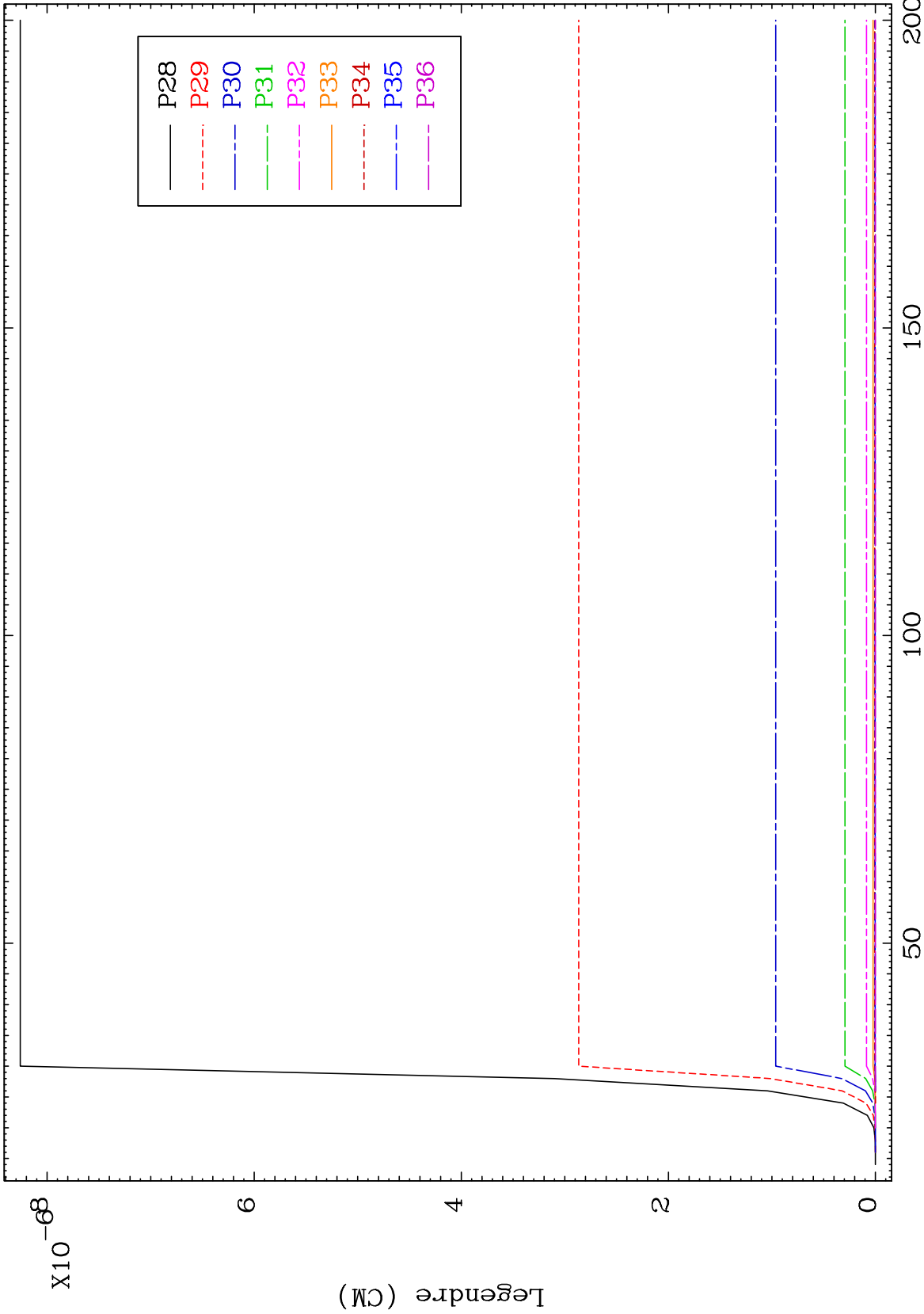
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



50

50

100

150

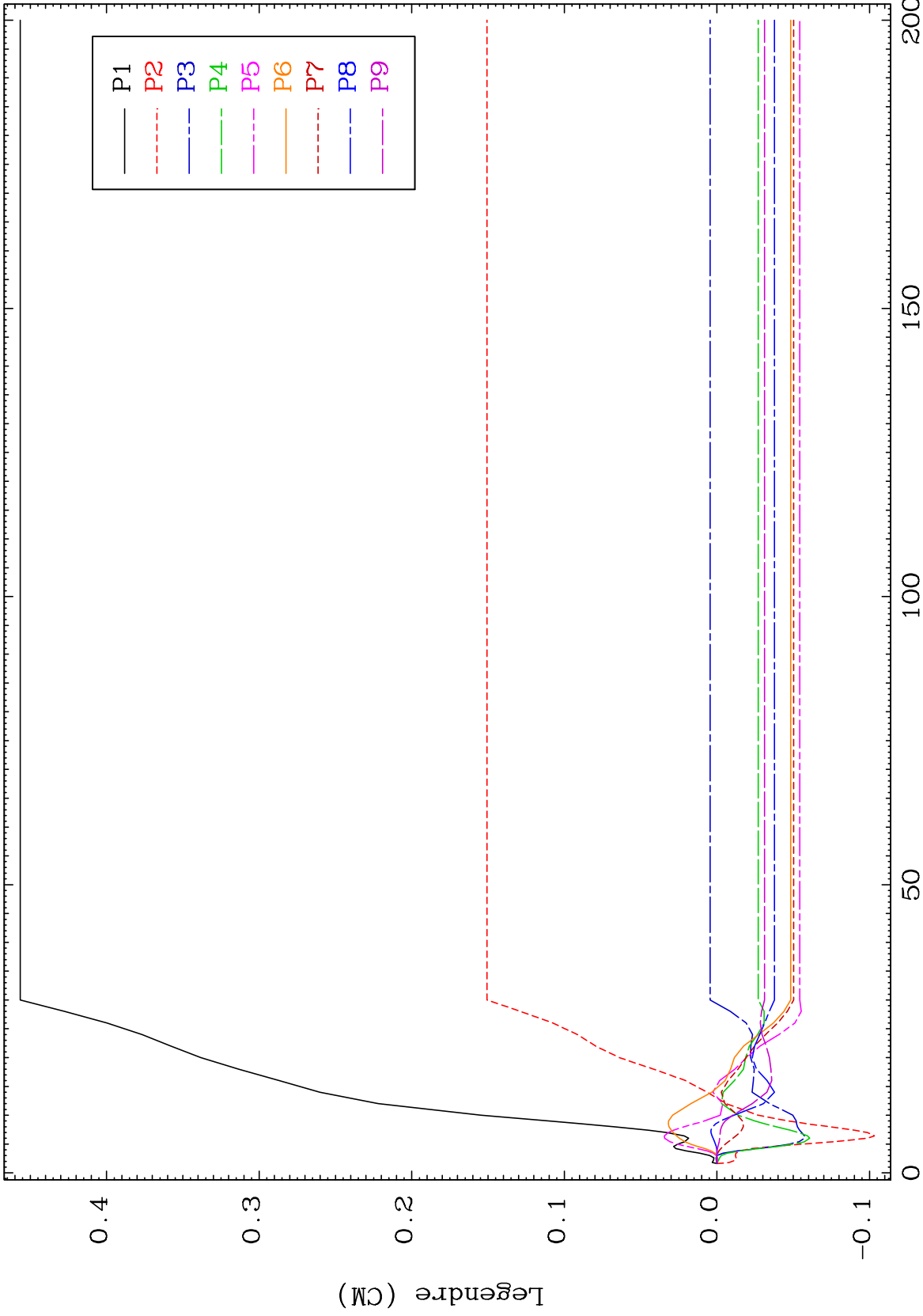
200

64-Gd-147

MAT 6410

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

64-Gd-147



51

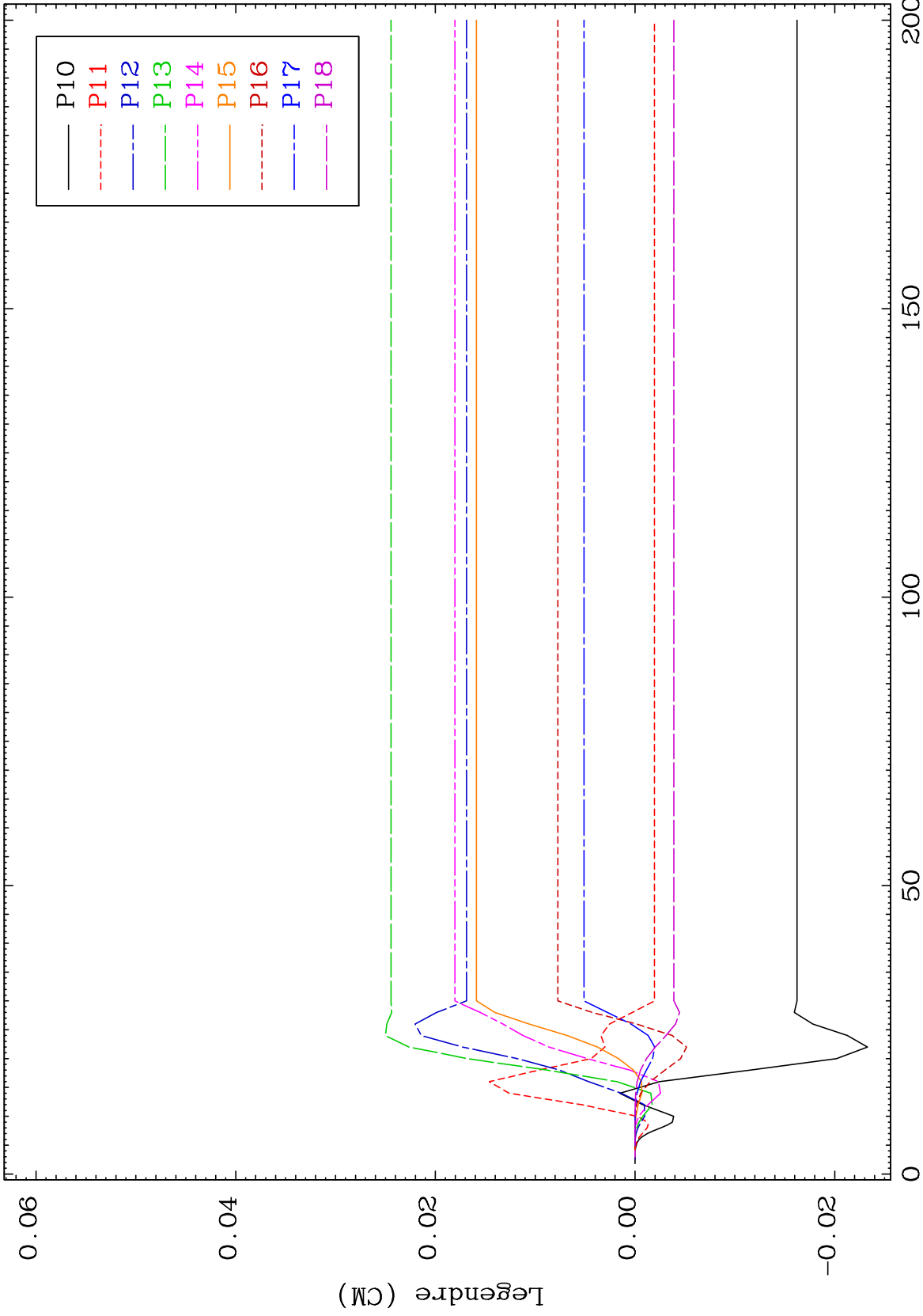
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



52

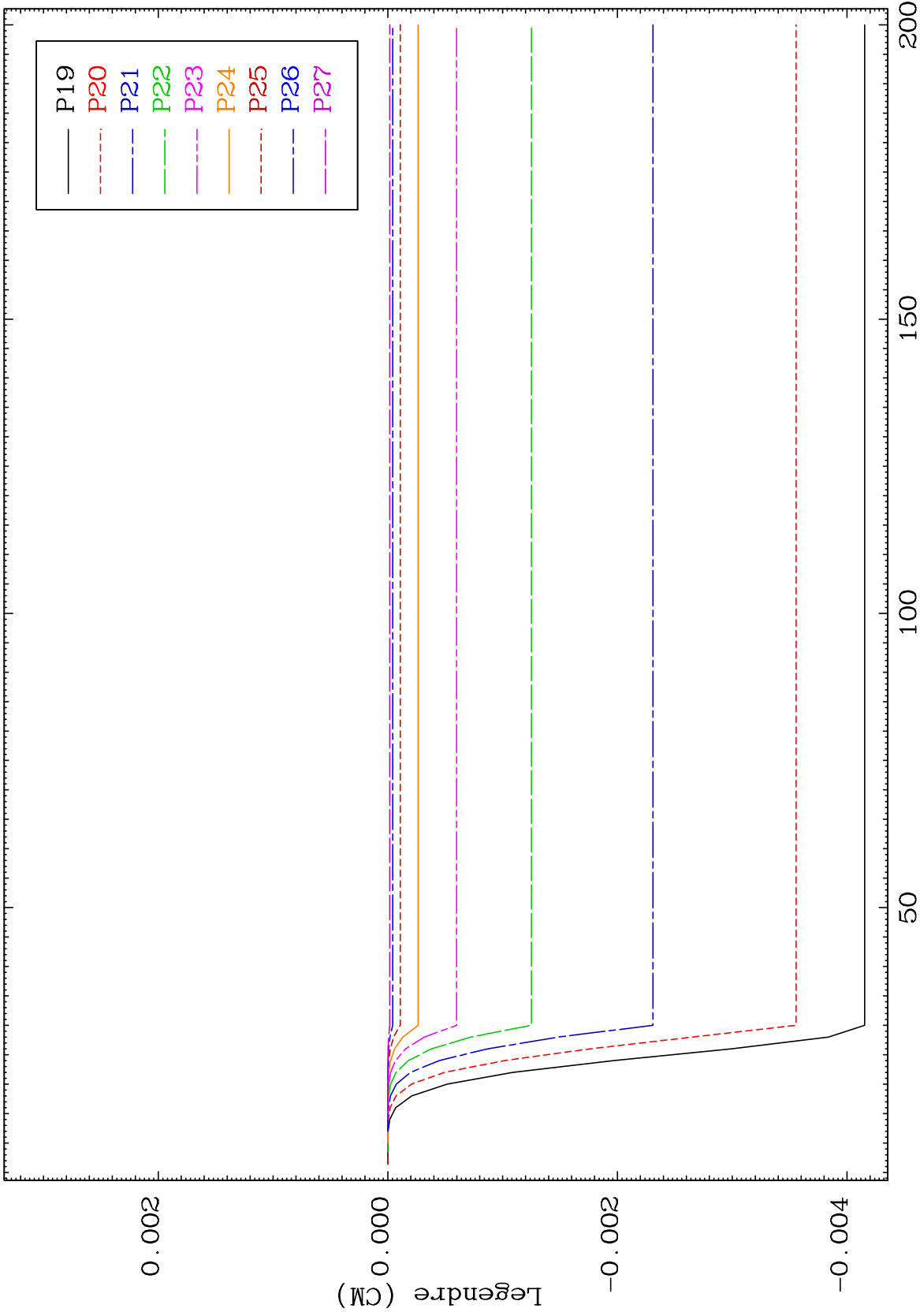
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



53

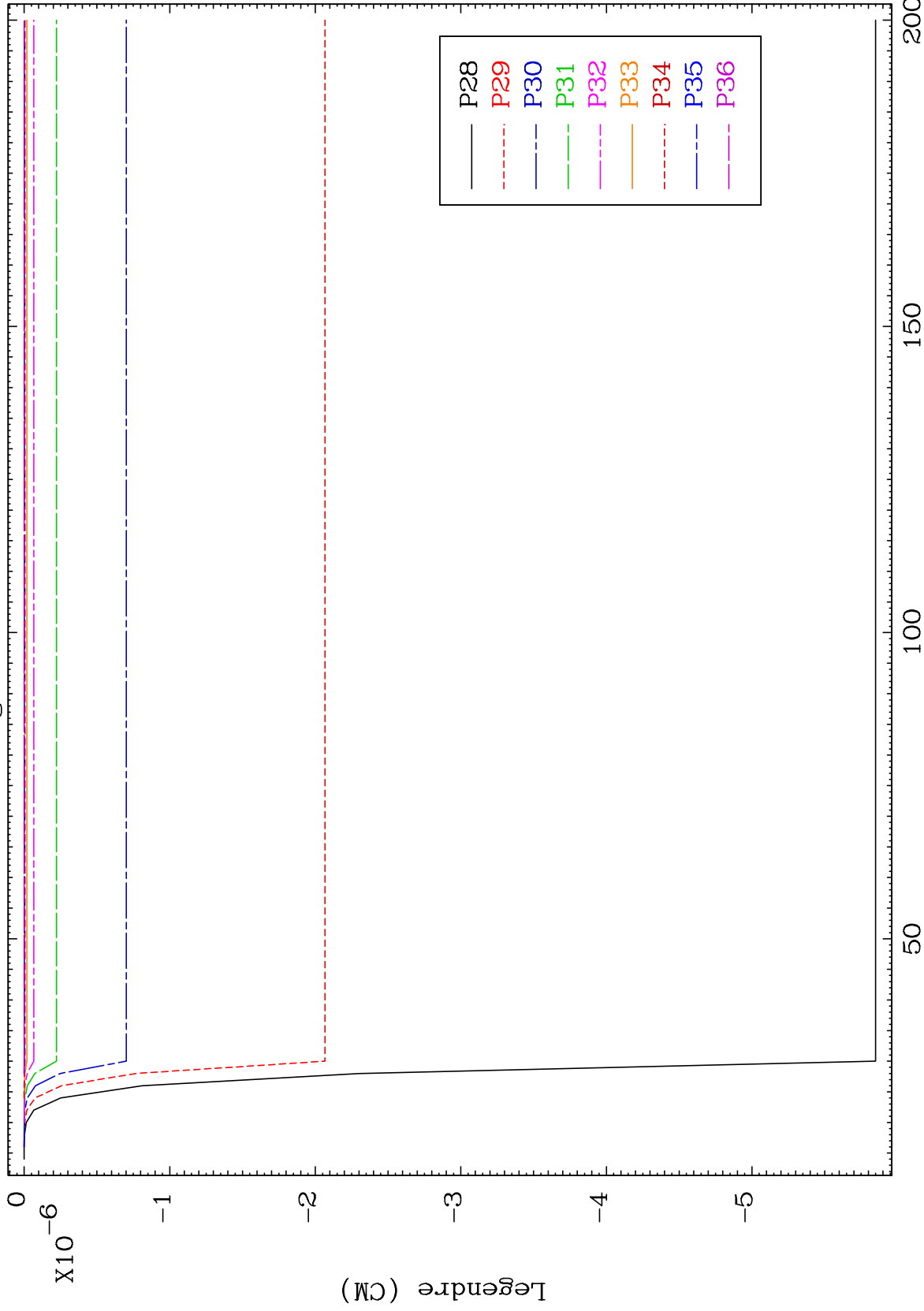
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

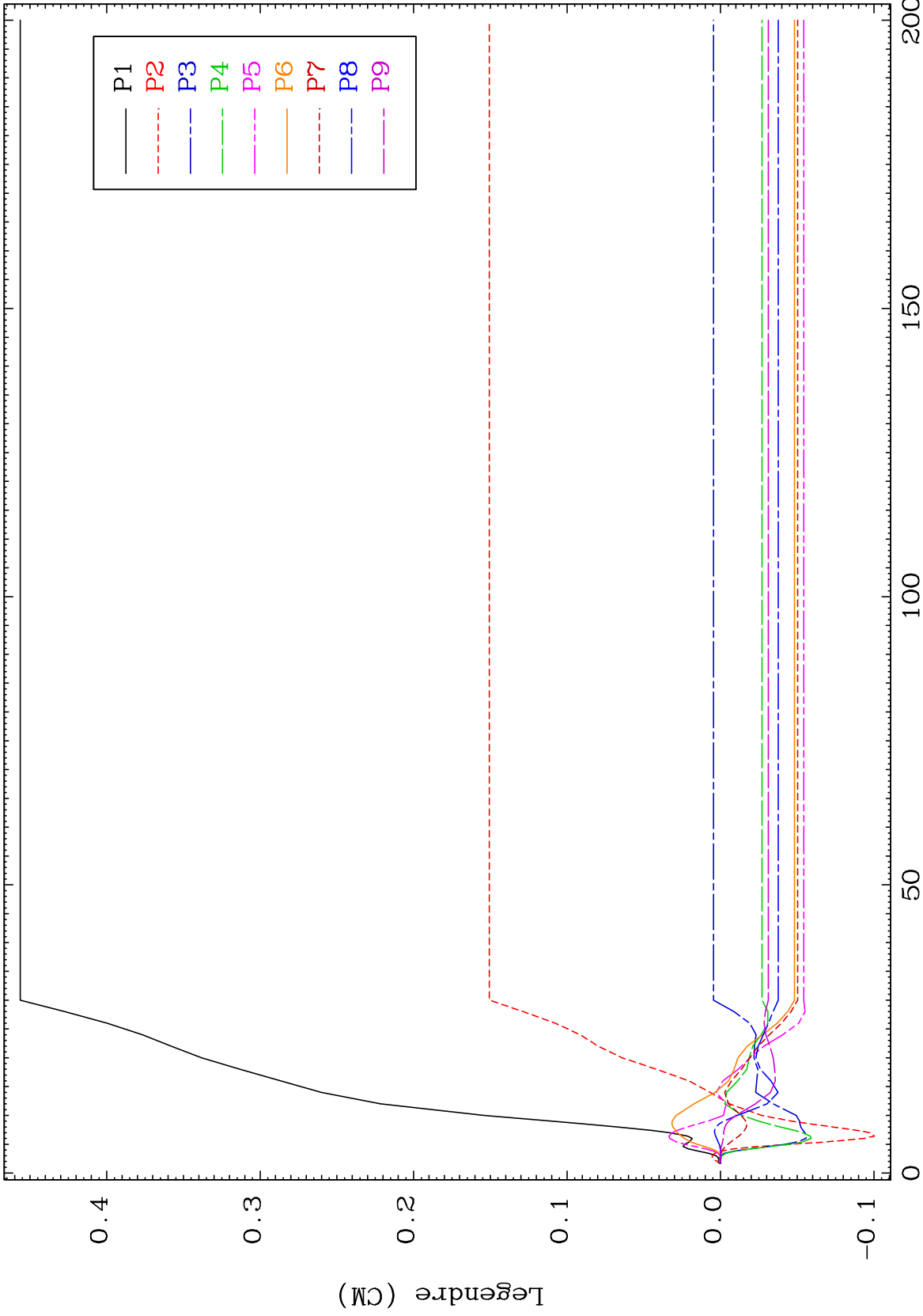
Incident Energy (MeV)

54

MAT 6410

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

64-Gd-147



55

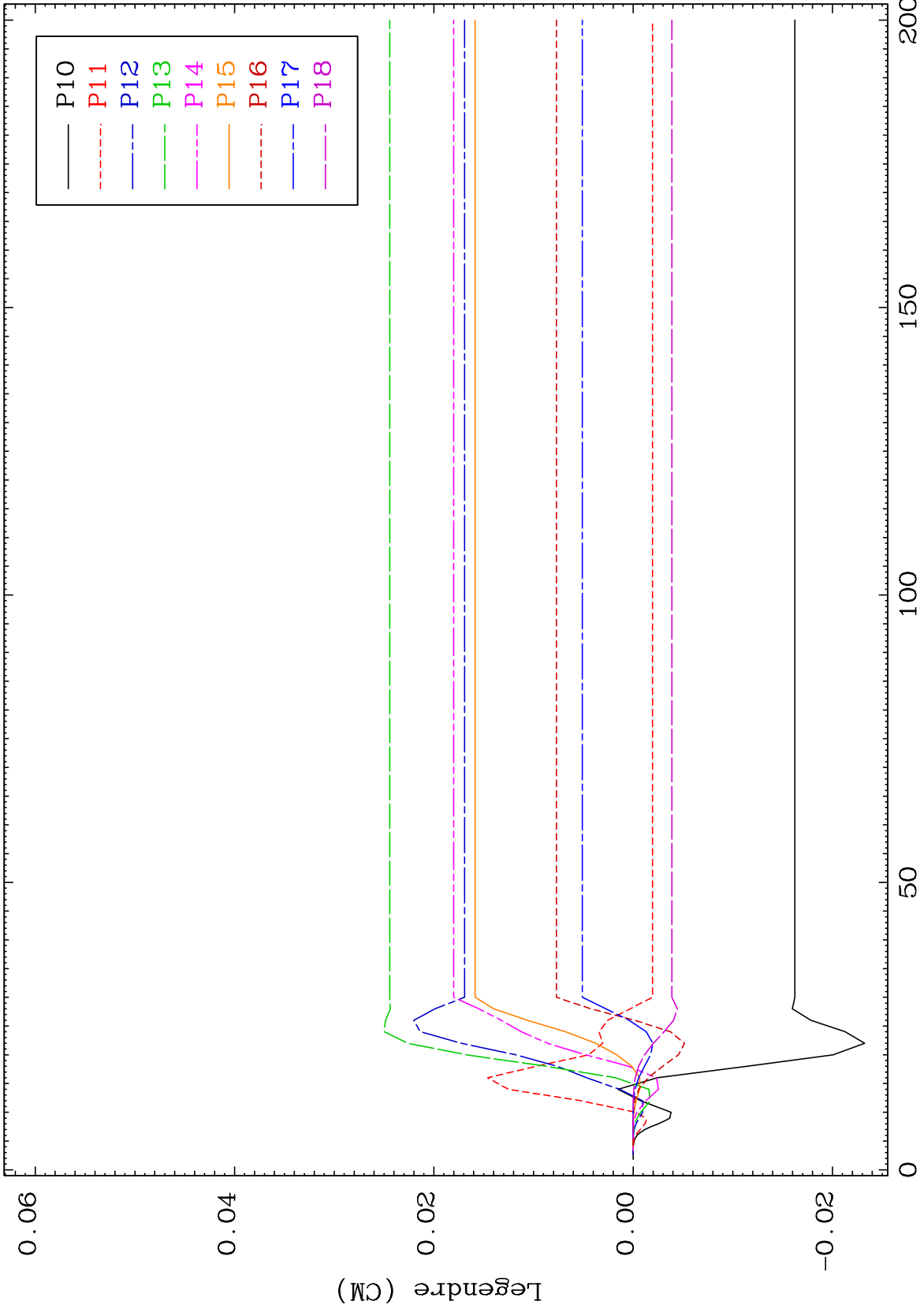
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



56

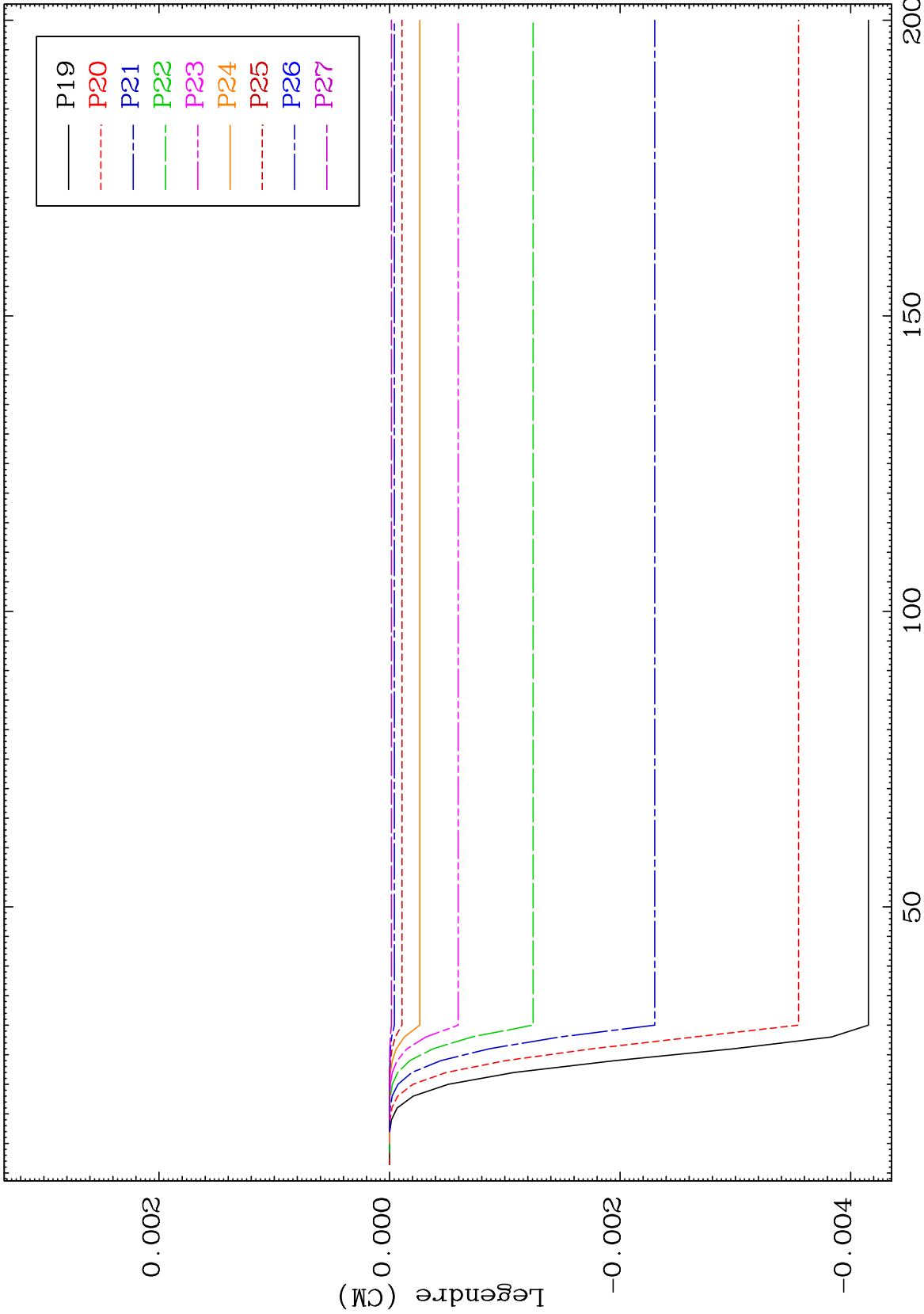
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



57

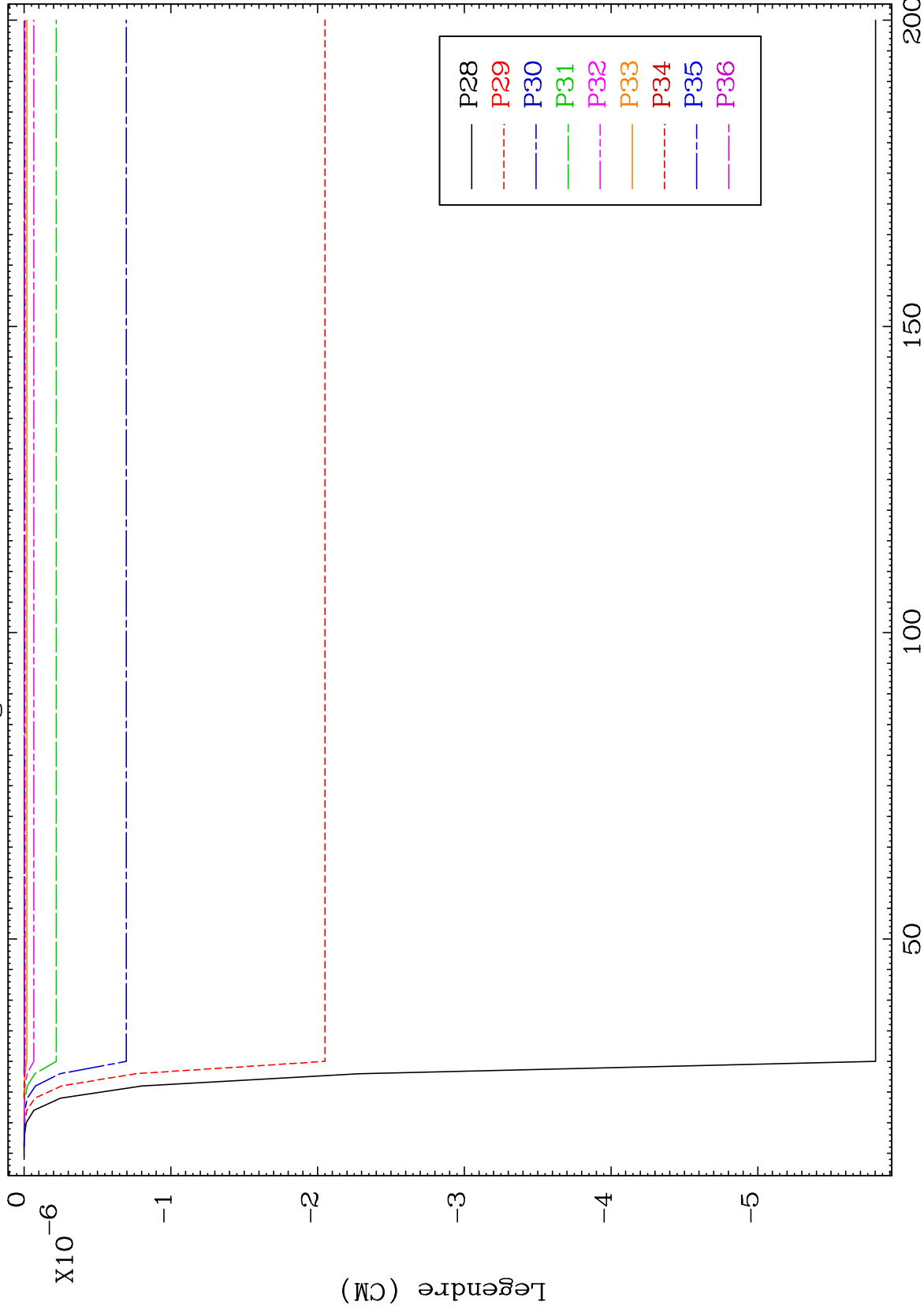
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

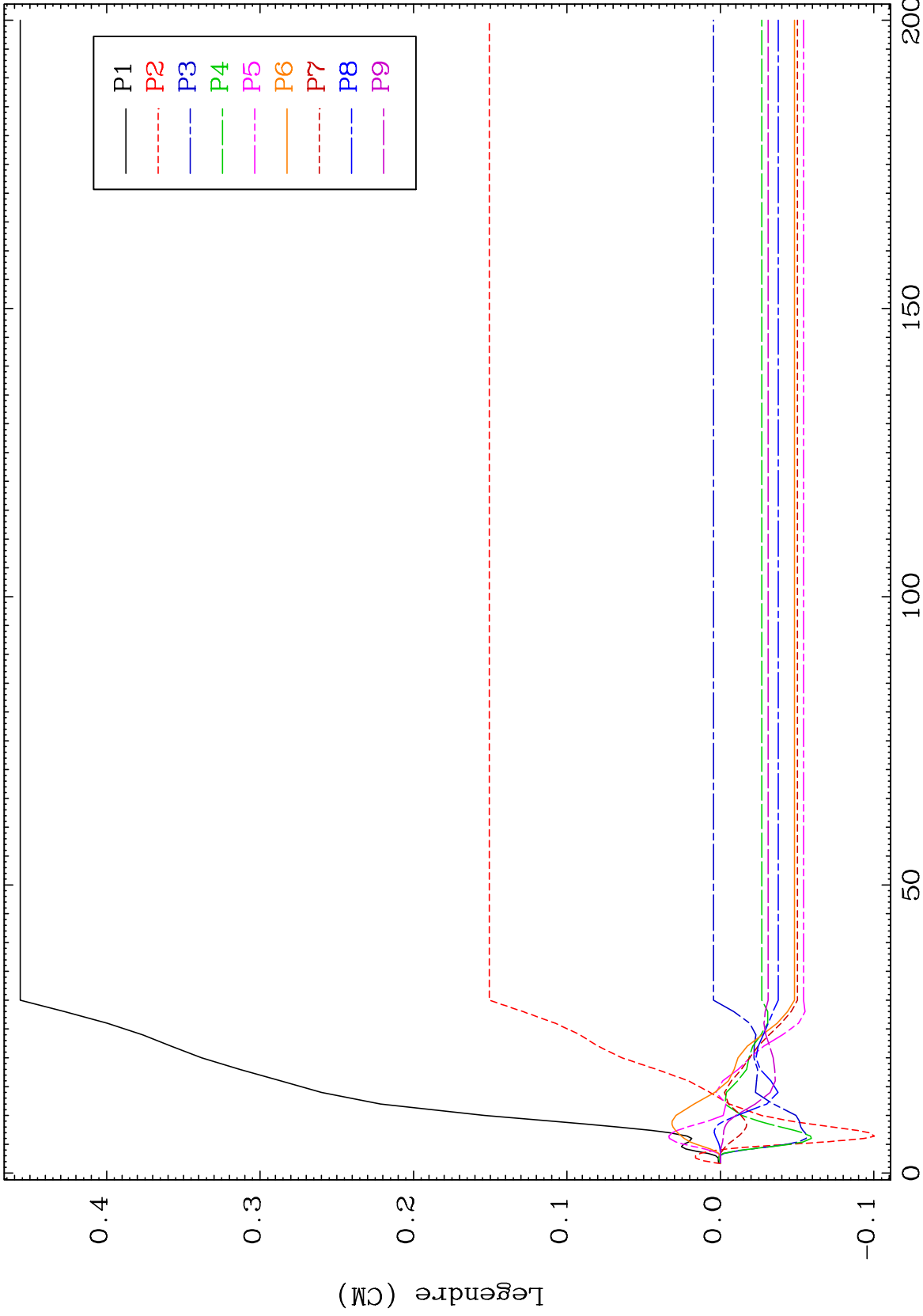
Incident Energy (MeV)

58

MAT 6410

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

64-Gd-147

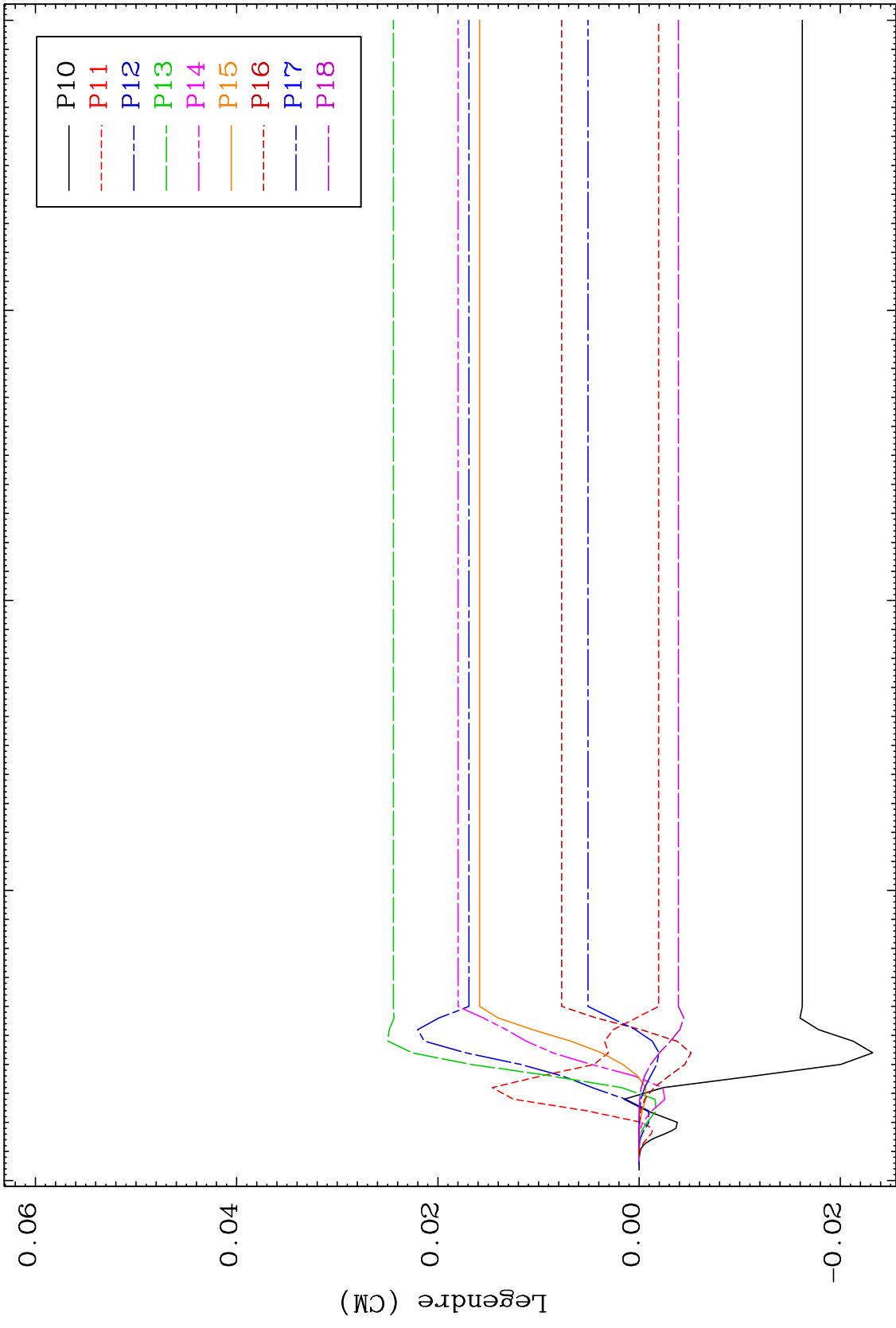


59

Incident Energy (MeV)

64-Gd-147

MAT 6410 MT= 61 (n,n') Level Legendre Coefficients 64-Gd-147

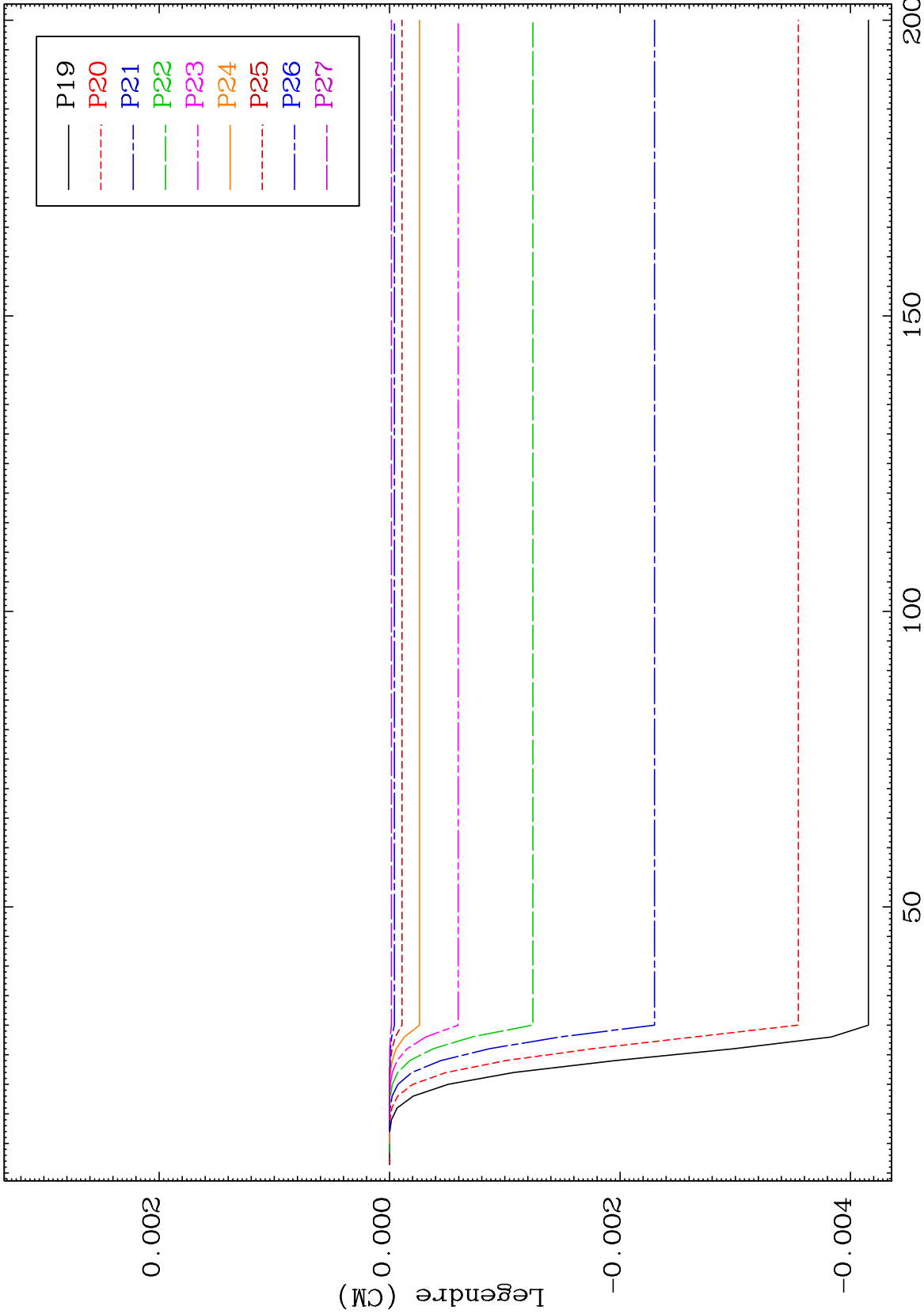


64-Gd-147

MAT 6410

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

64-Gd-147



61

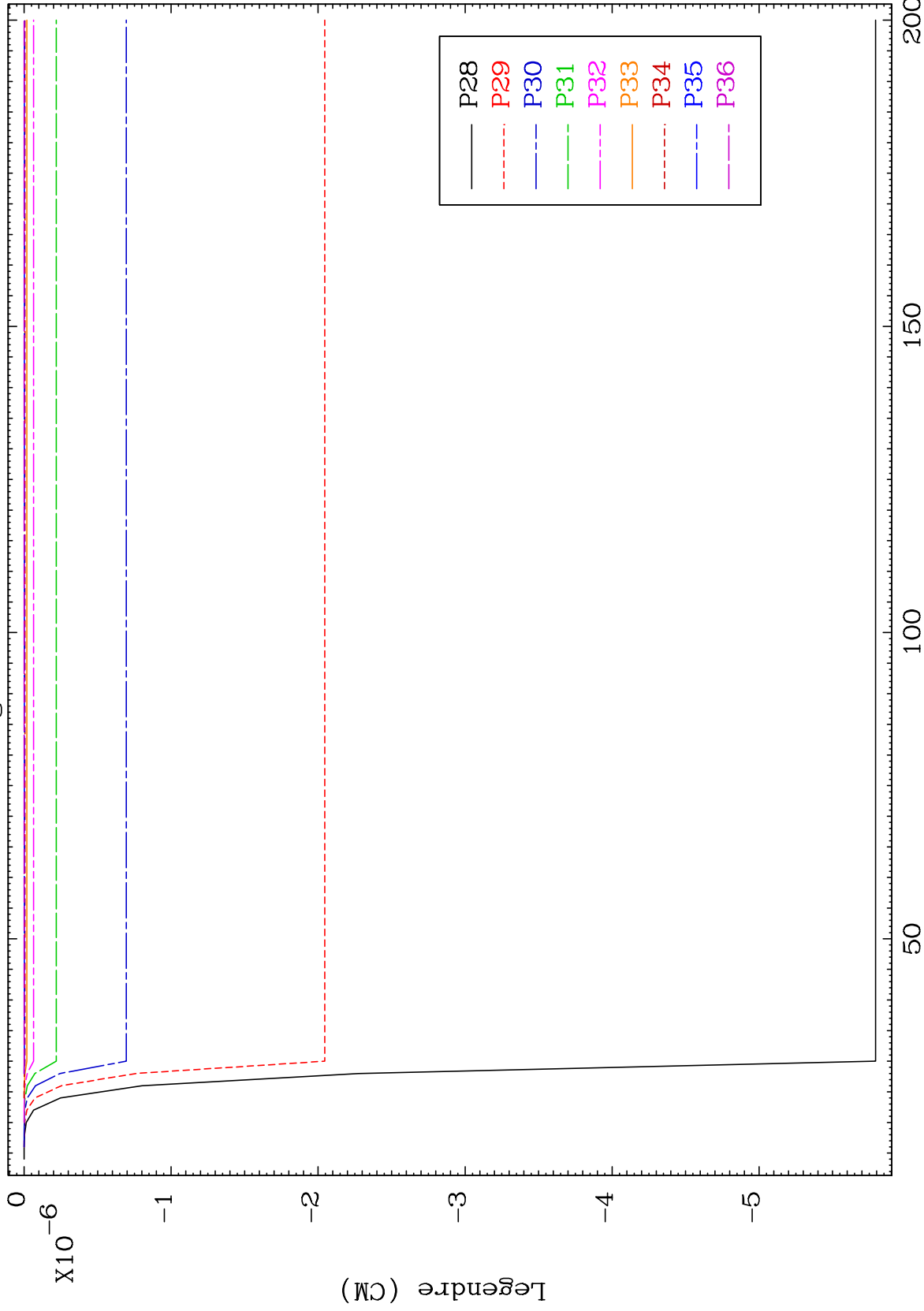
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

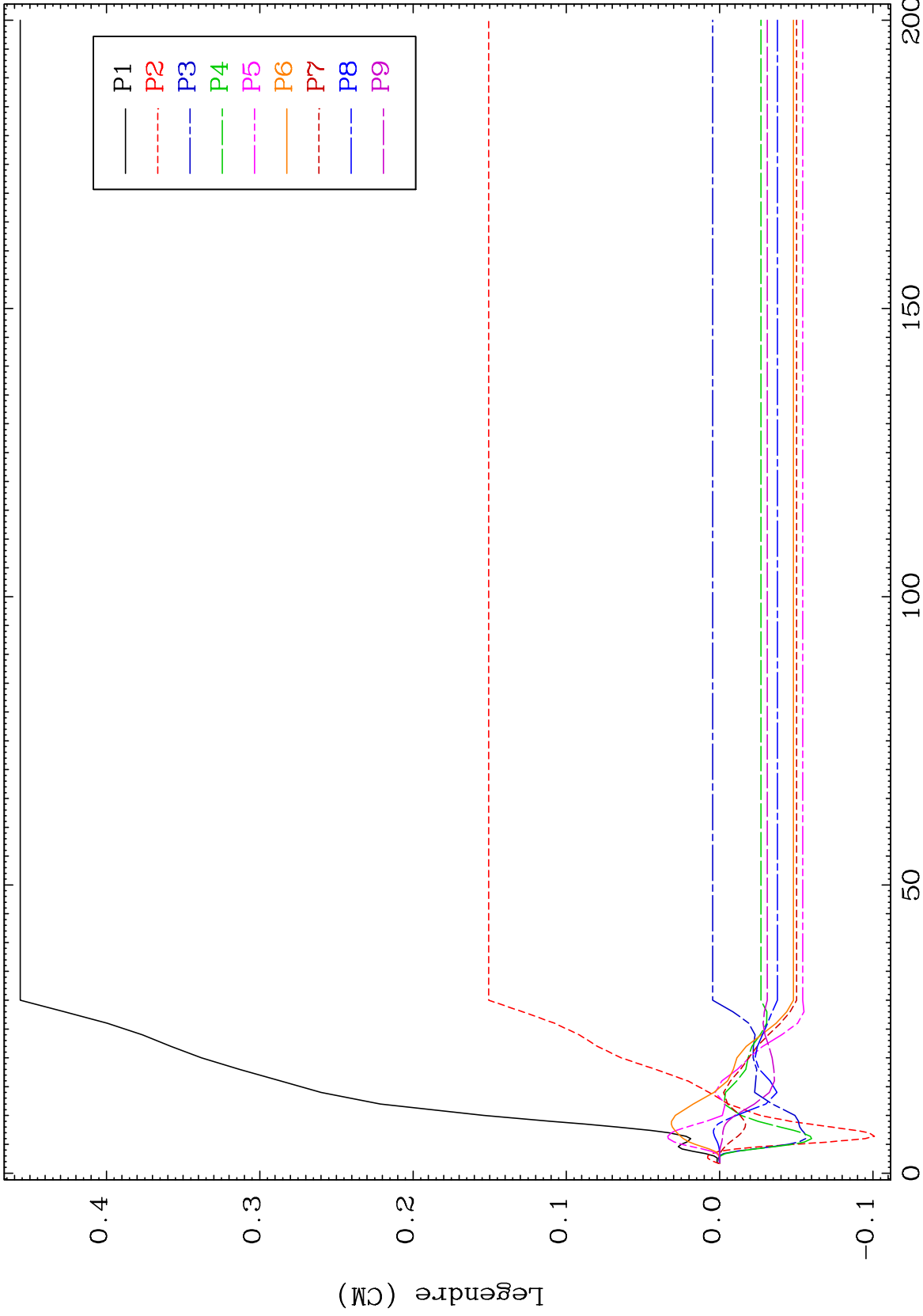
Incident Energy (MeV)

62

MAT 6410

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

64-Gd-147

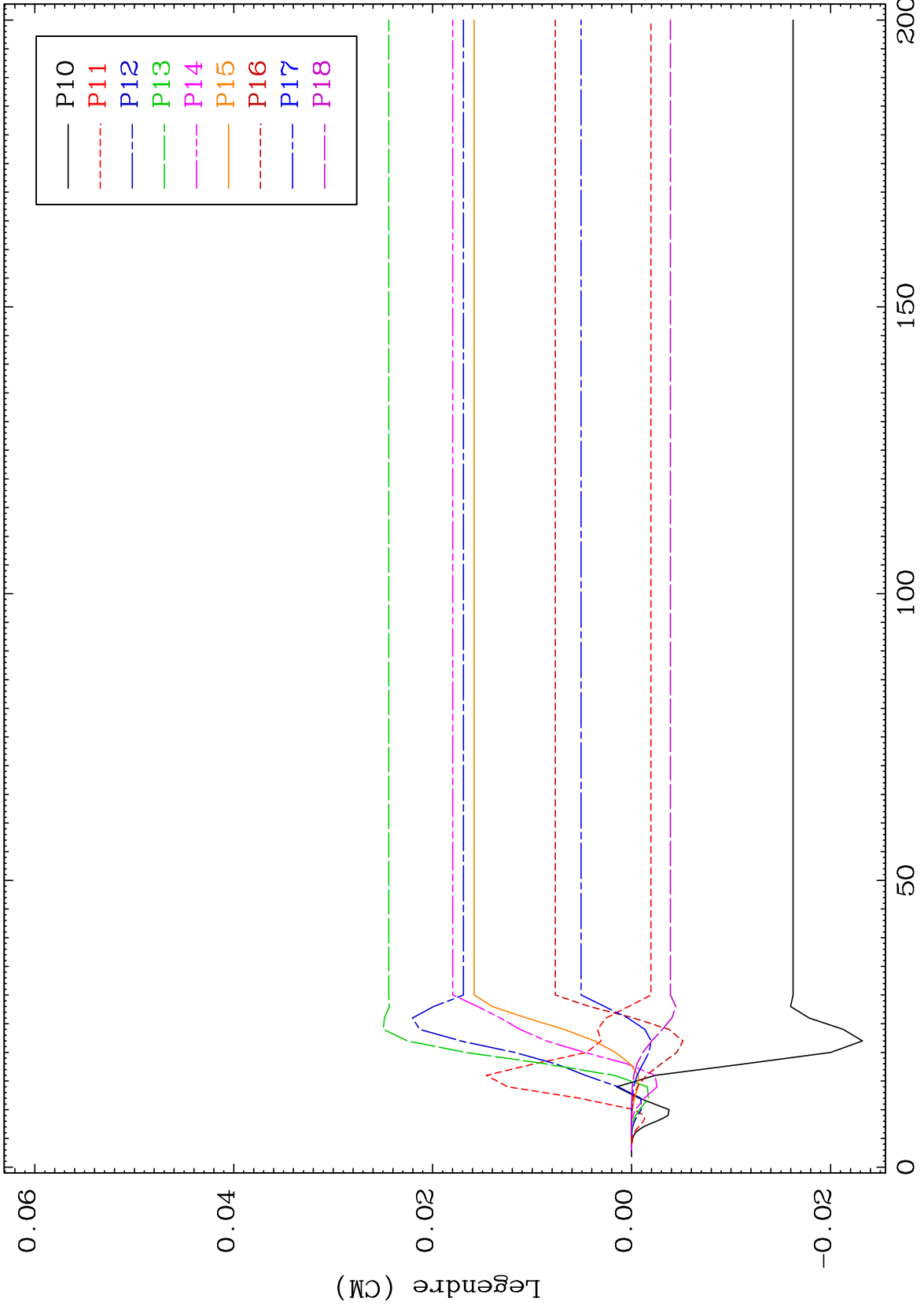


63

Incident Energy (MeV)

64-Gd-147

MAT 6410 MT= 62 (n,n') Level Legendre Coefficients 64-Gd-147

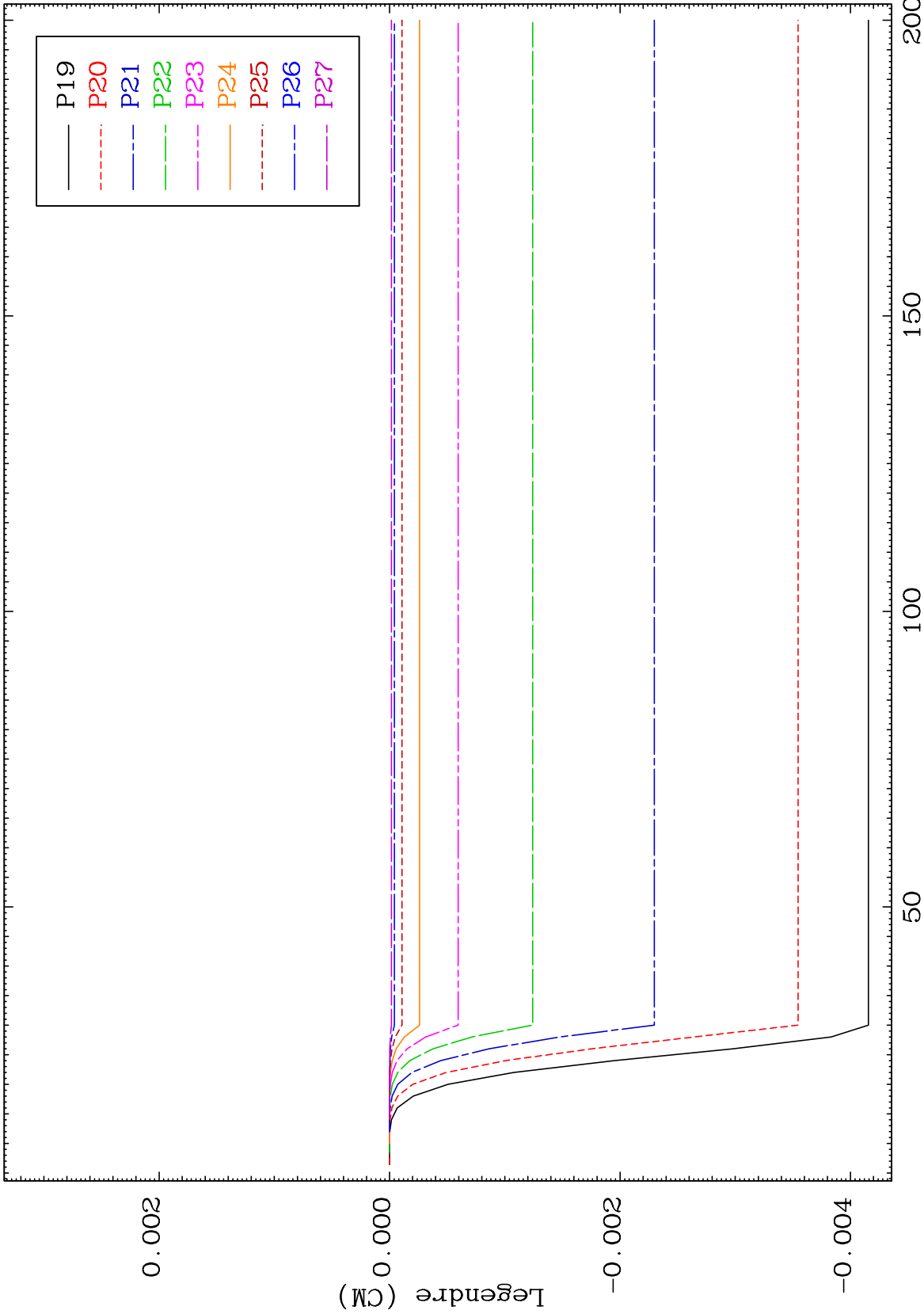


64 64-Gd-147

MAT 6410

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

64-Gd-147



65

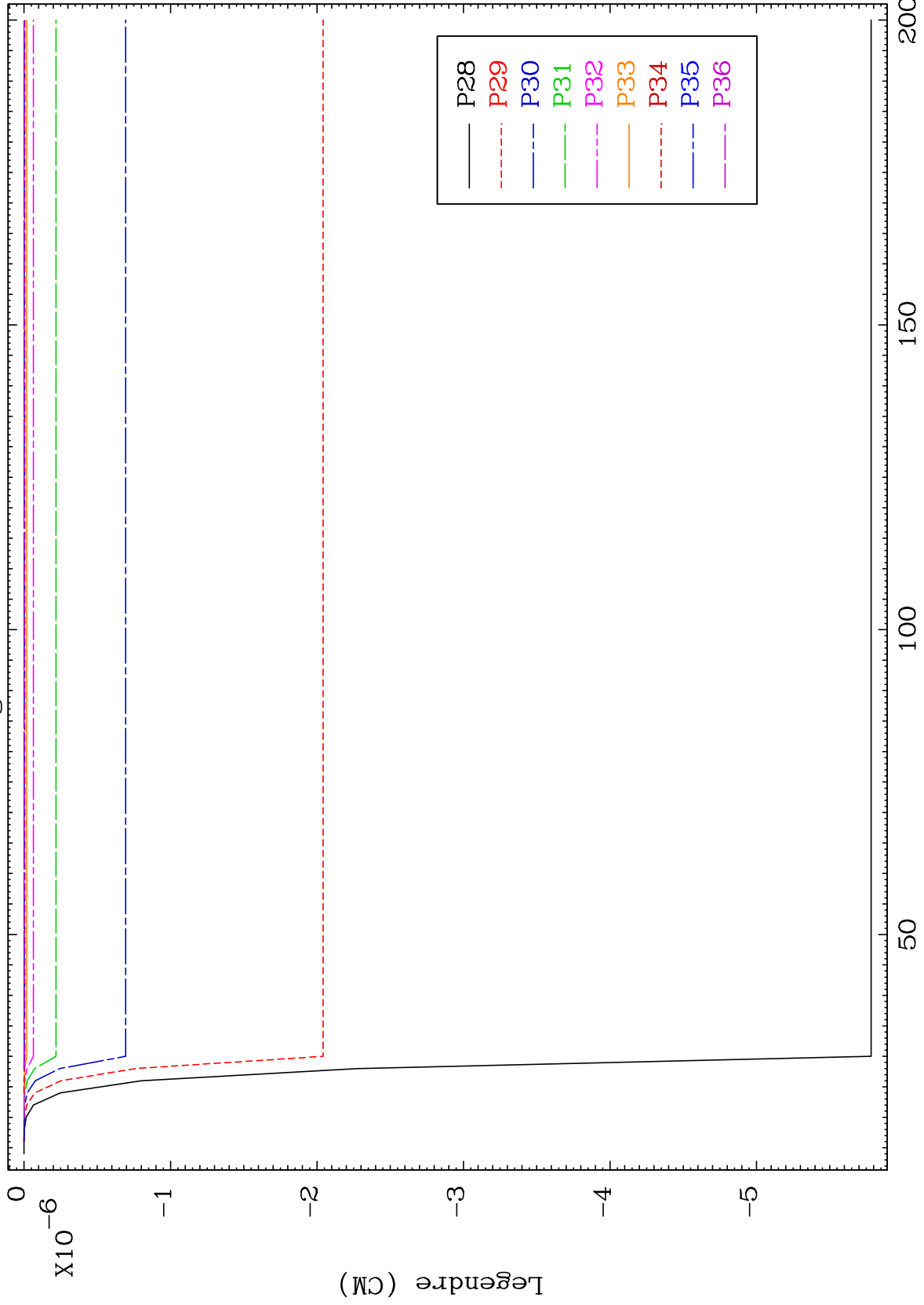
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

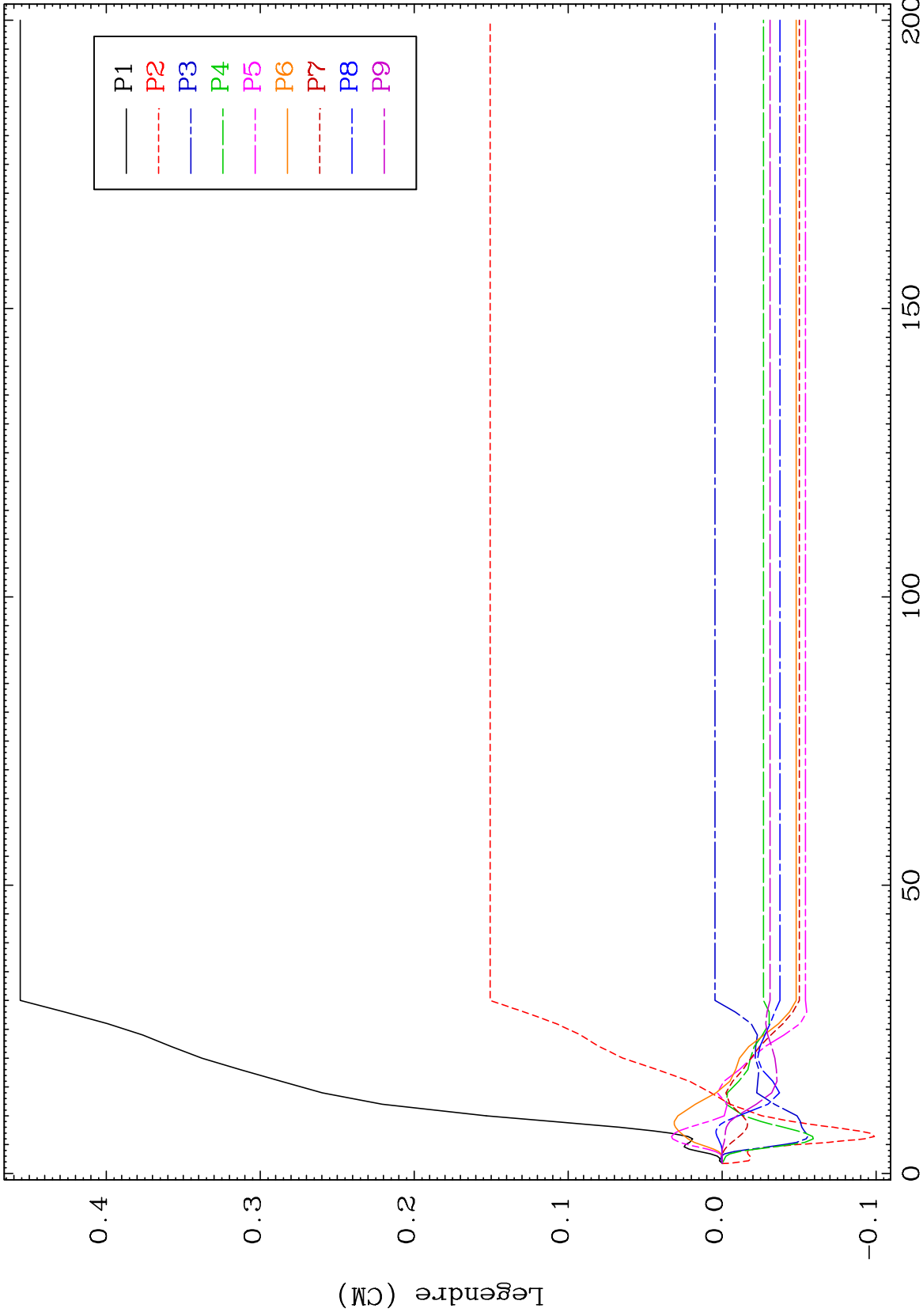
Incident Energy (MeV)

66

MAT 6410

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

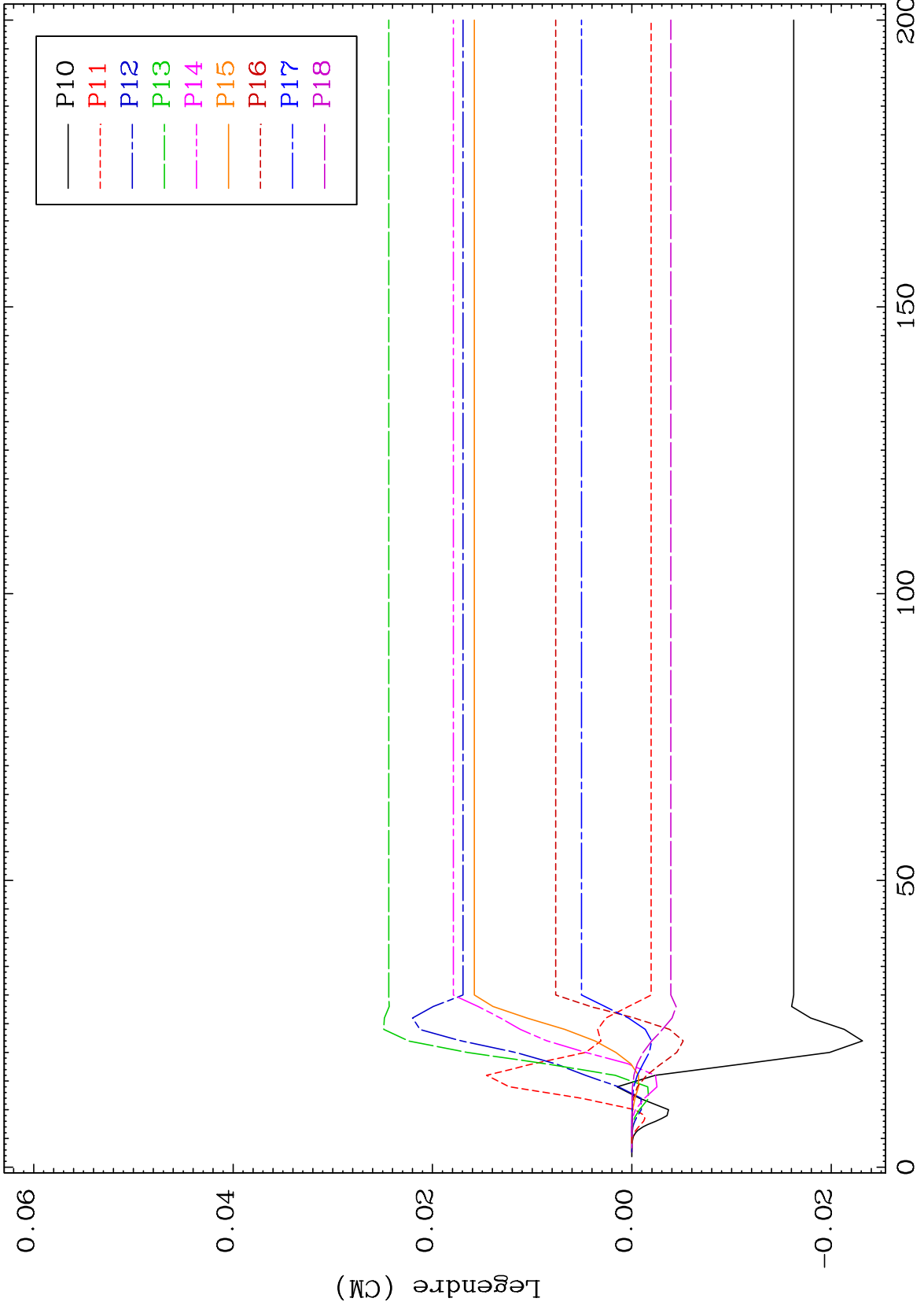
64-Gd-147



67

64-Gd-147

MAT 6410 MT= 63 (n,n') Level Legendre Coefficients 64-Gd-147

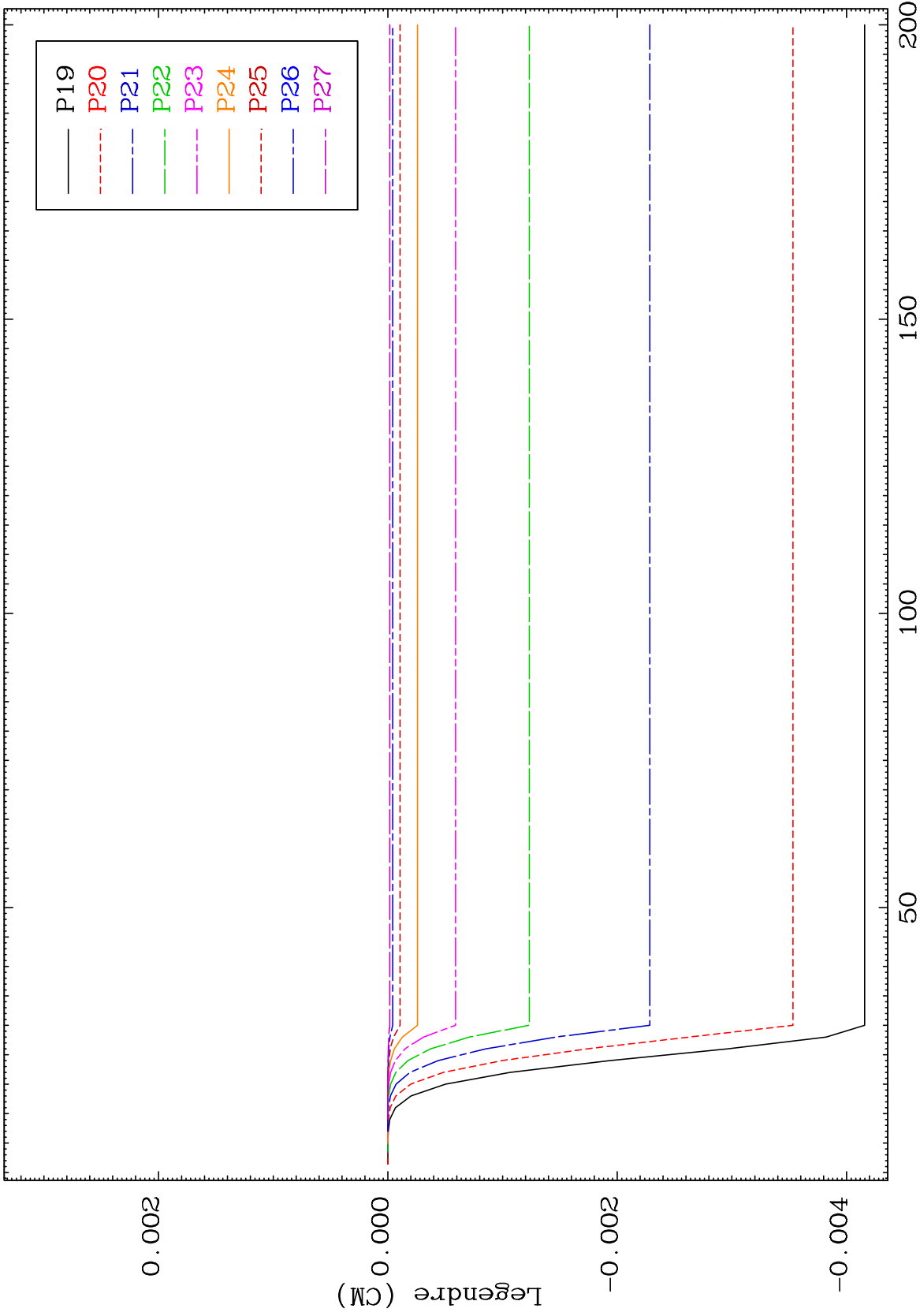


68 64-Gd-147

MAT 6410

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

64-Gd-147



69

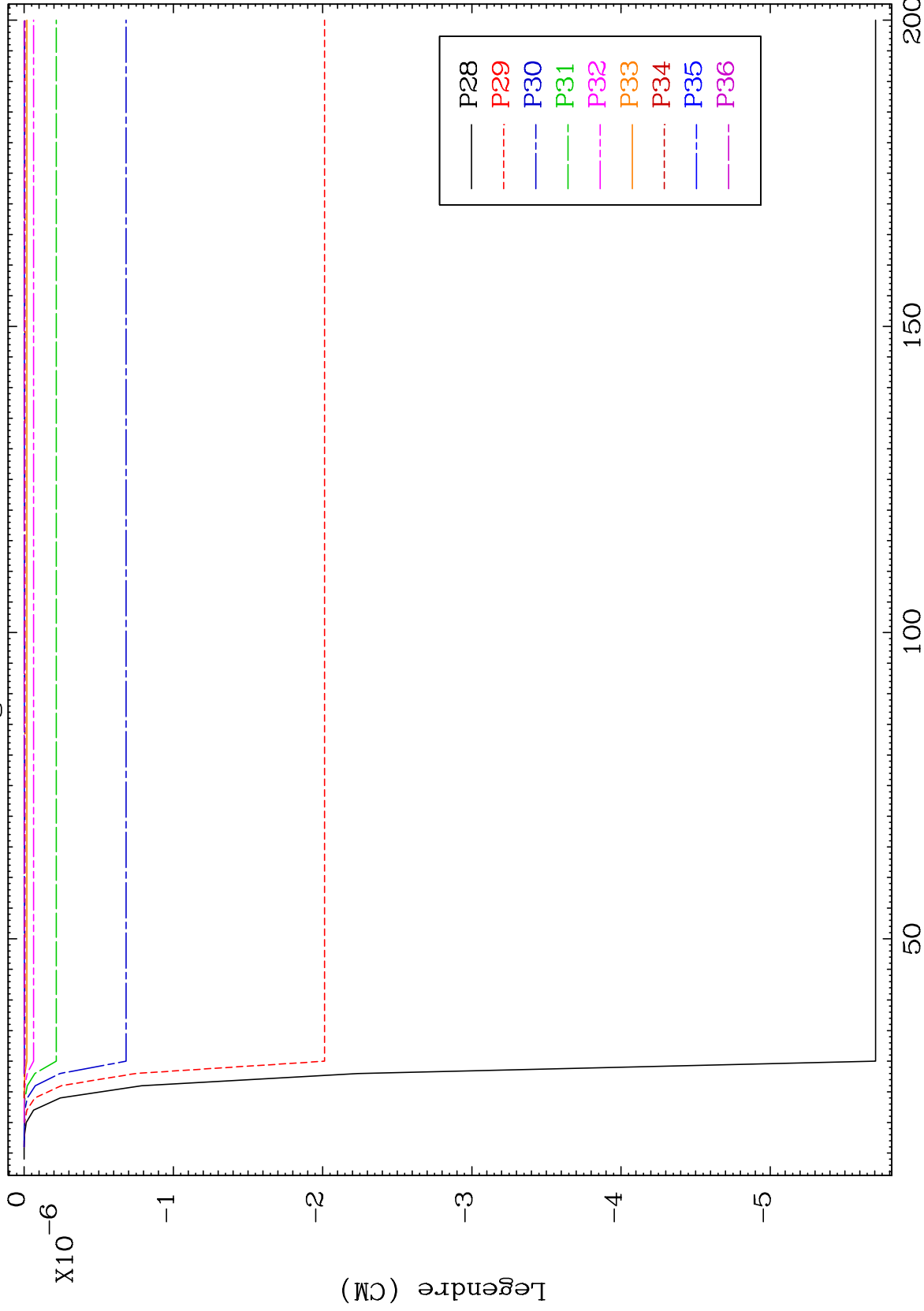
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147

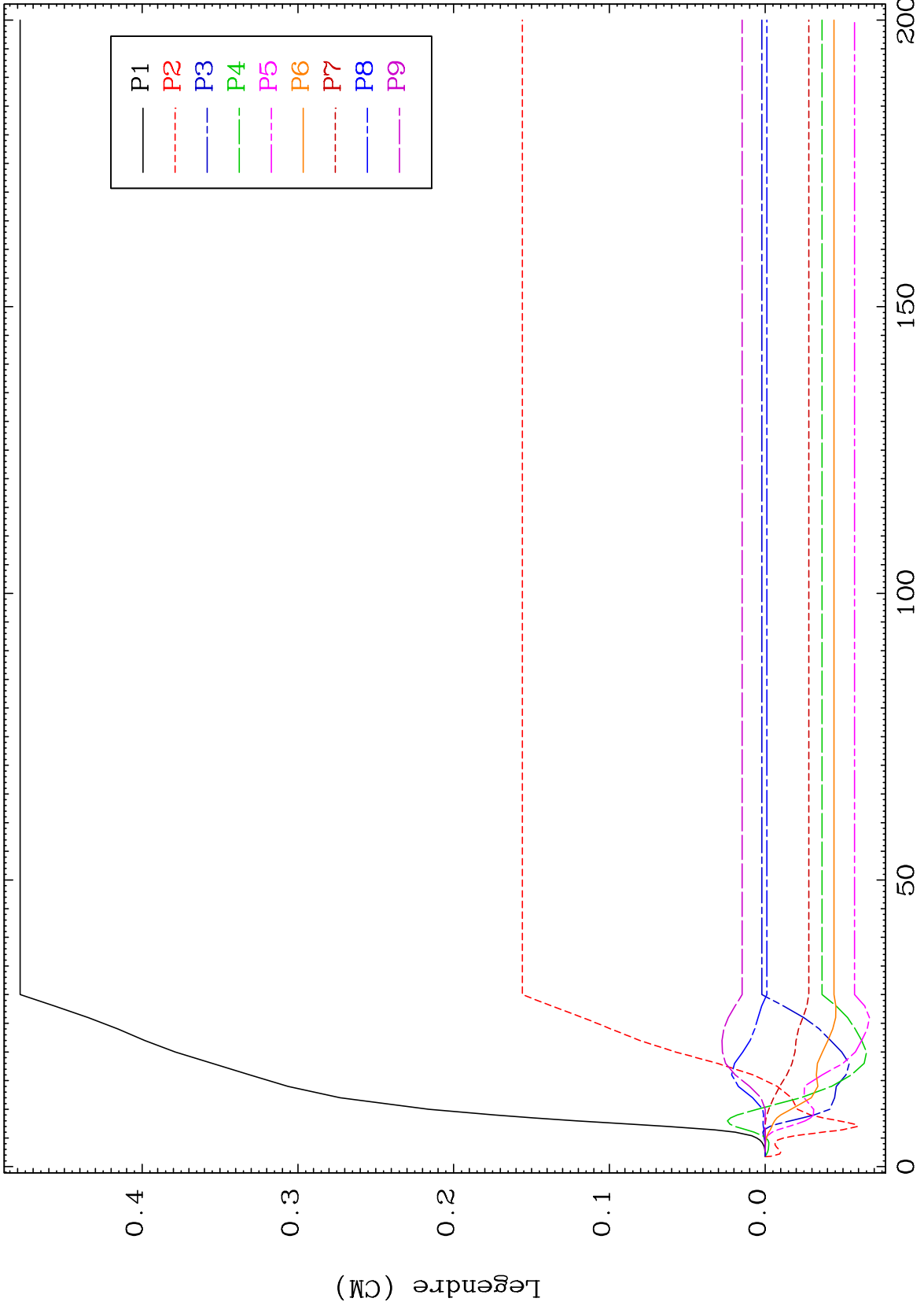


64-Gd-147

Incident Energy (MeV)

70

MAT 6410 MT= 64 (n,n') Level Legendre Coefficients 64-Gd-147

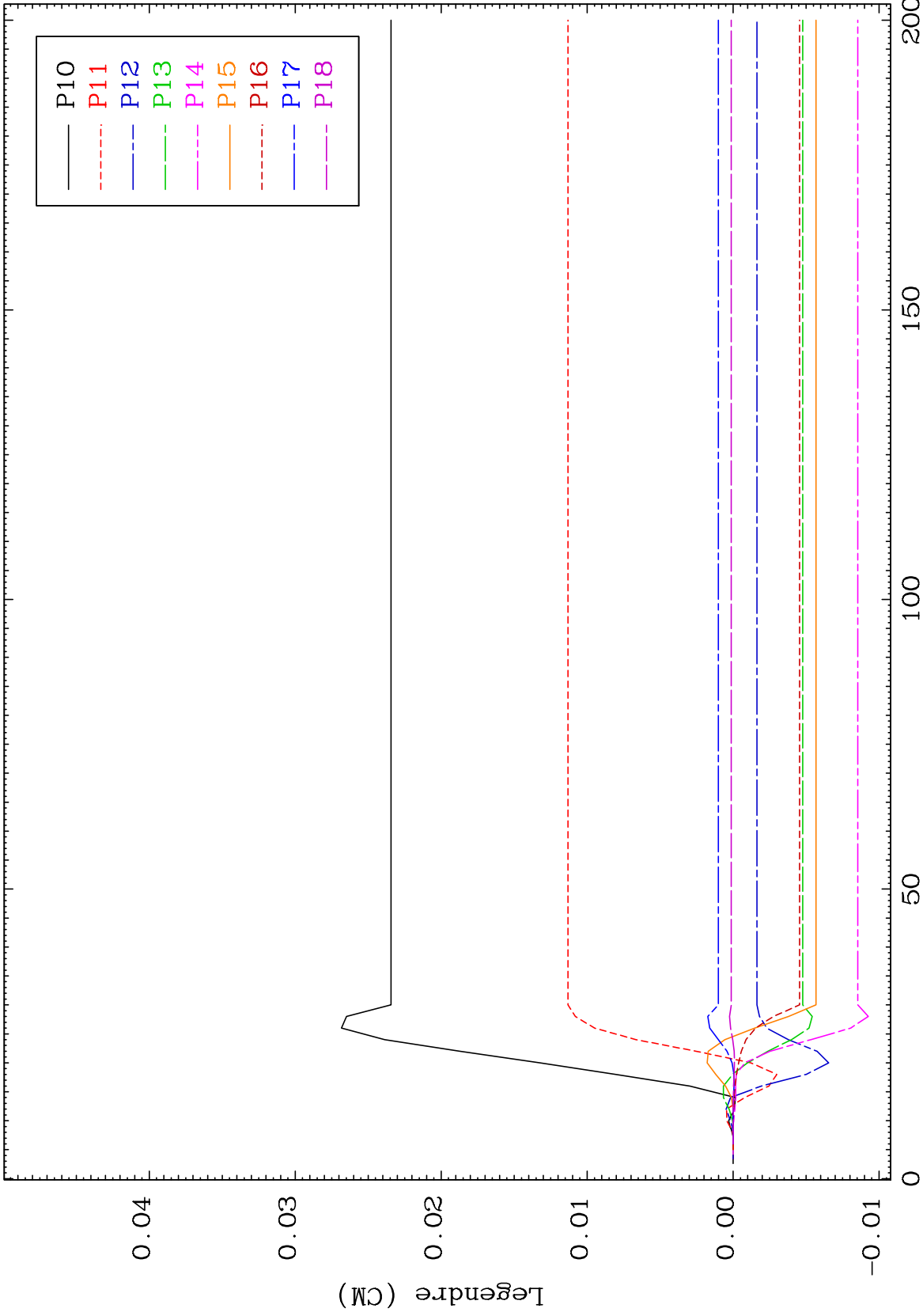


71 64-Gd-147

MAT 6410

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

64-Gd-147

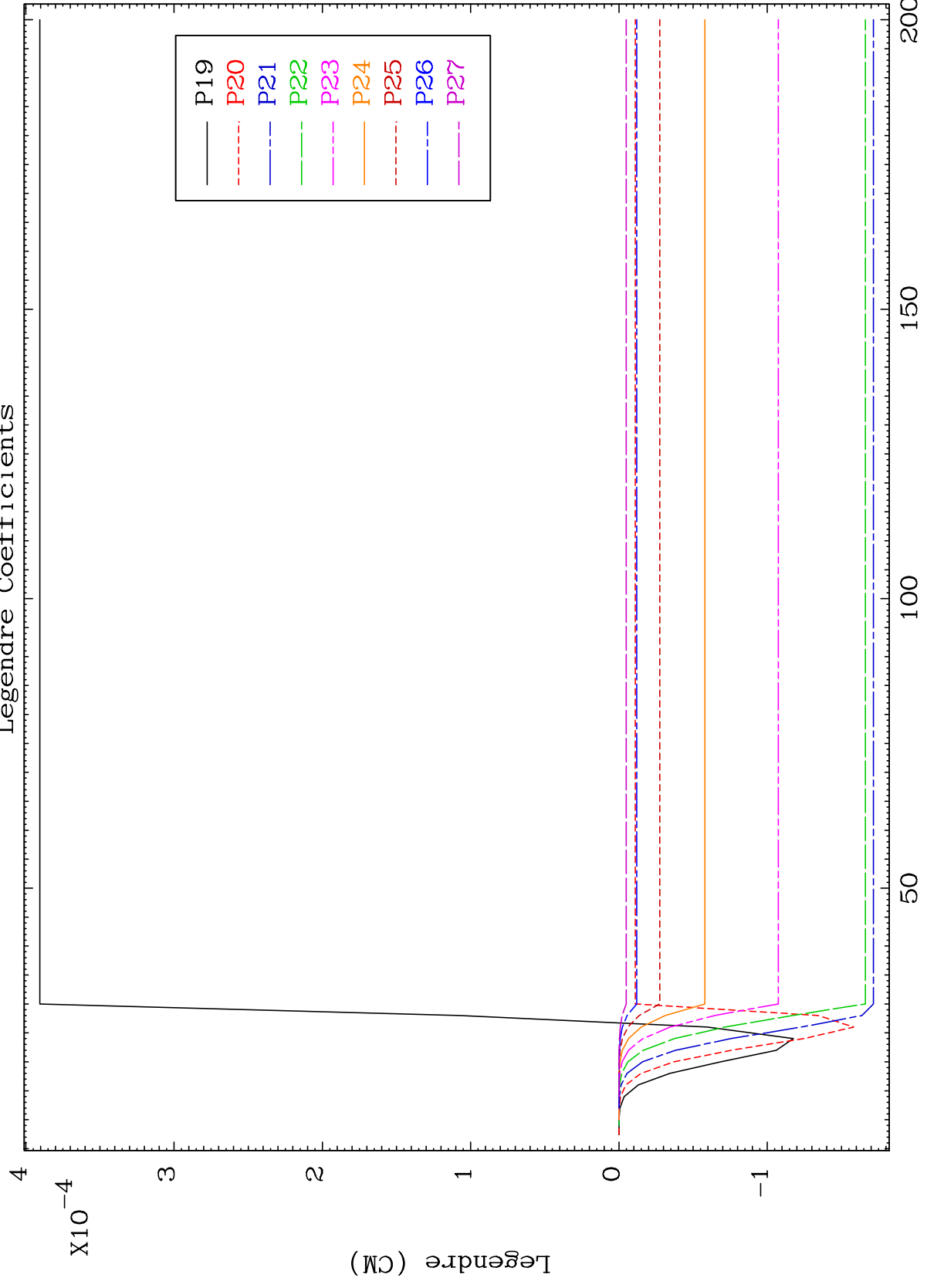


72

Incident Energy (MeV)

64-Gd-147

MAT 6410 MT= 64 (n,n') Level Legendre Coefficients 64-Gd-147

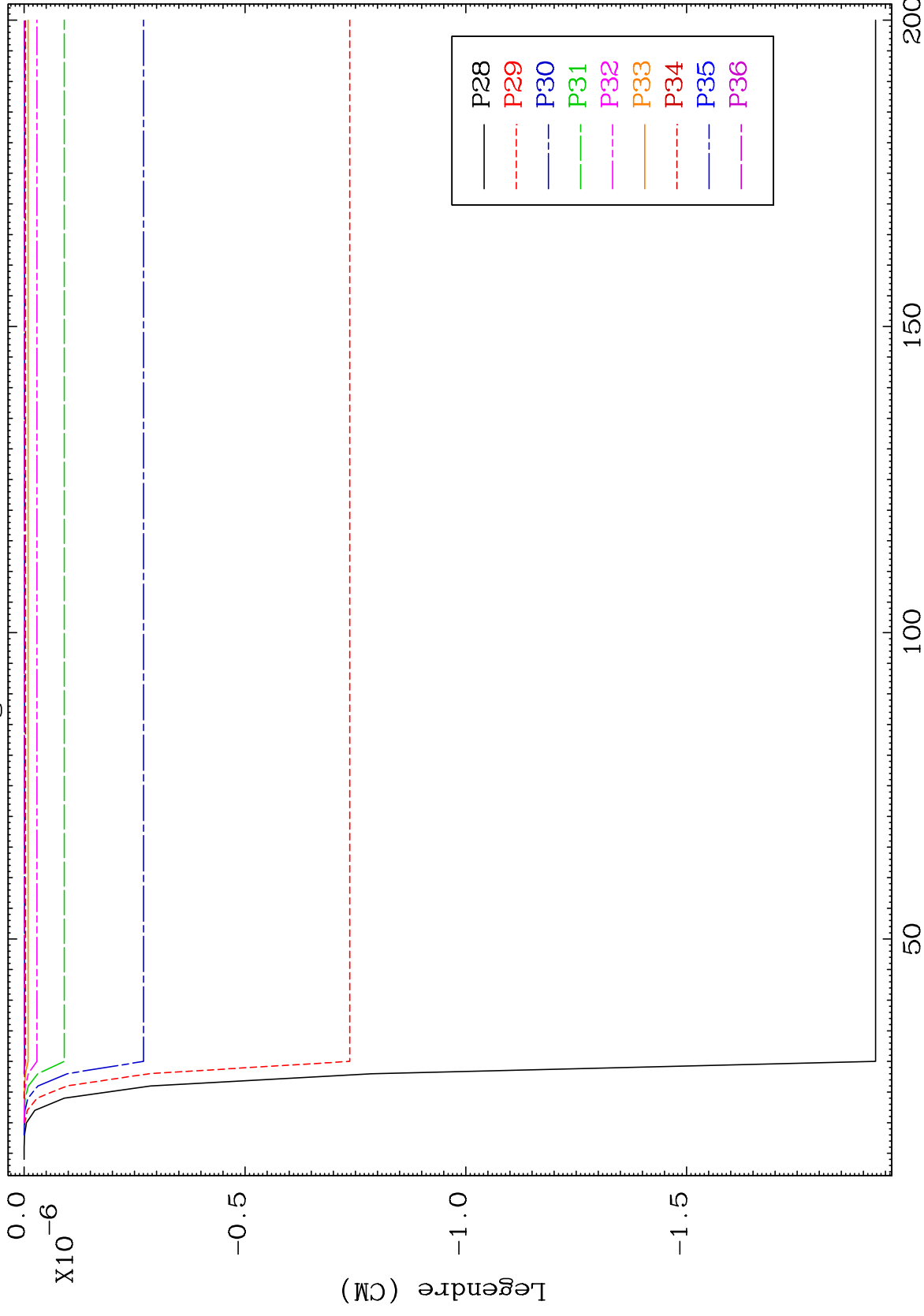


73 64-Gd-147

MAT 6410

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

64-Gd-147

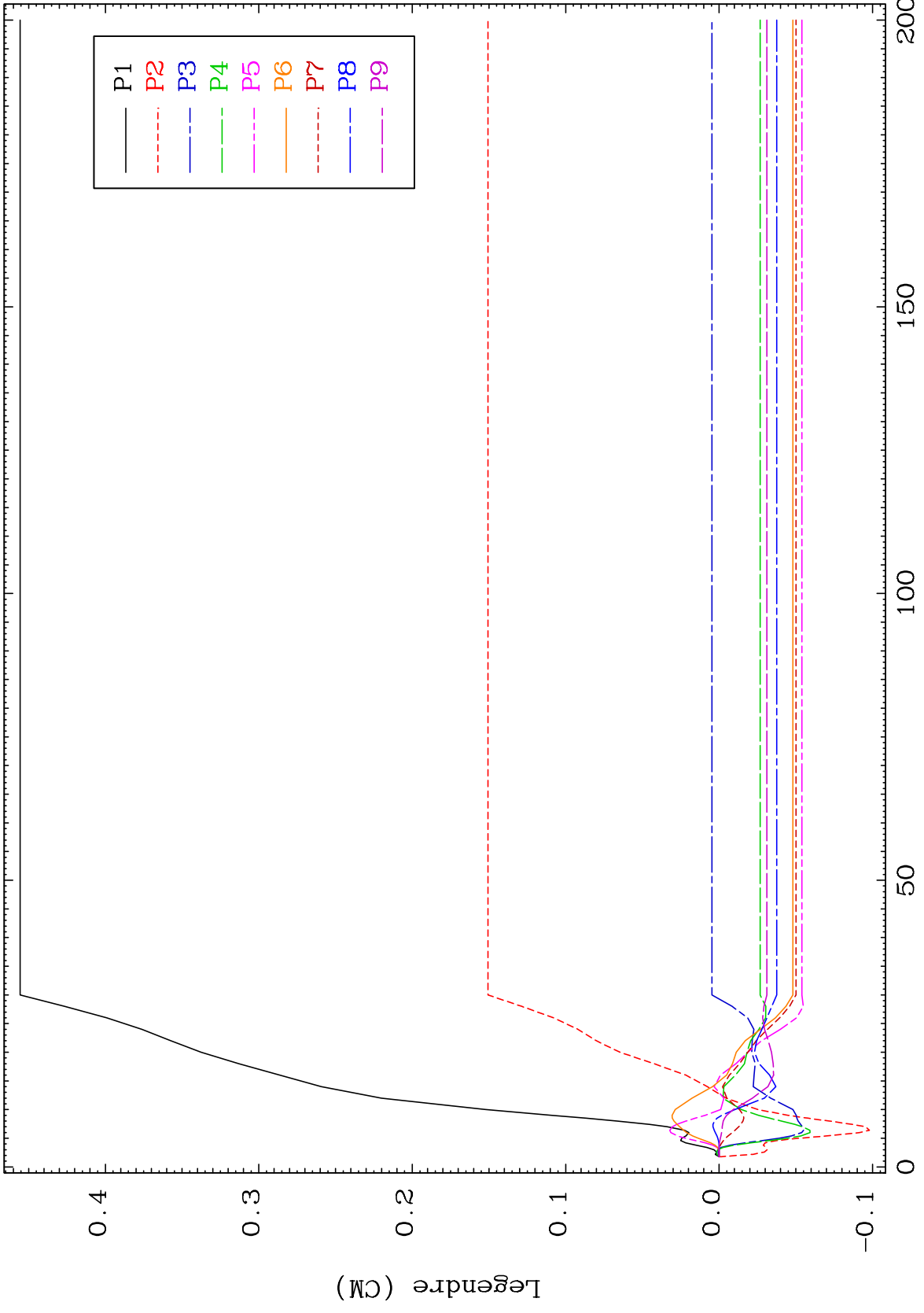


64-Gd-147

Incident Energy (MeV)

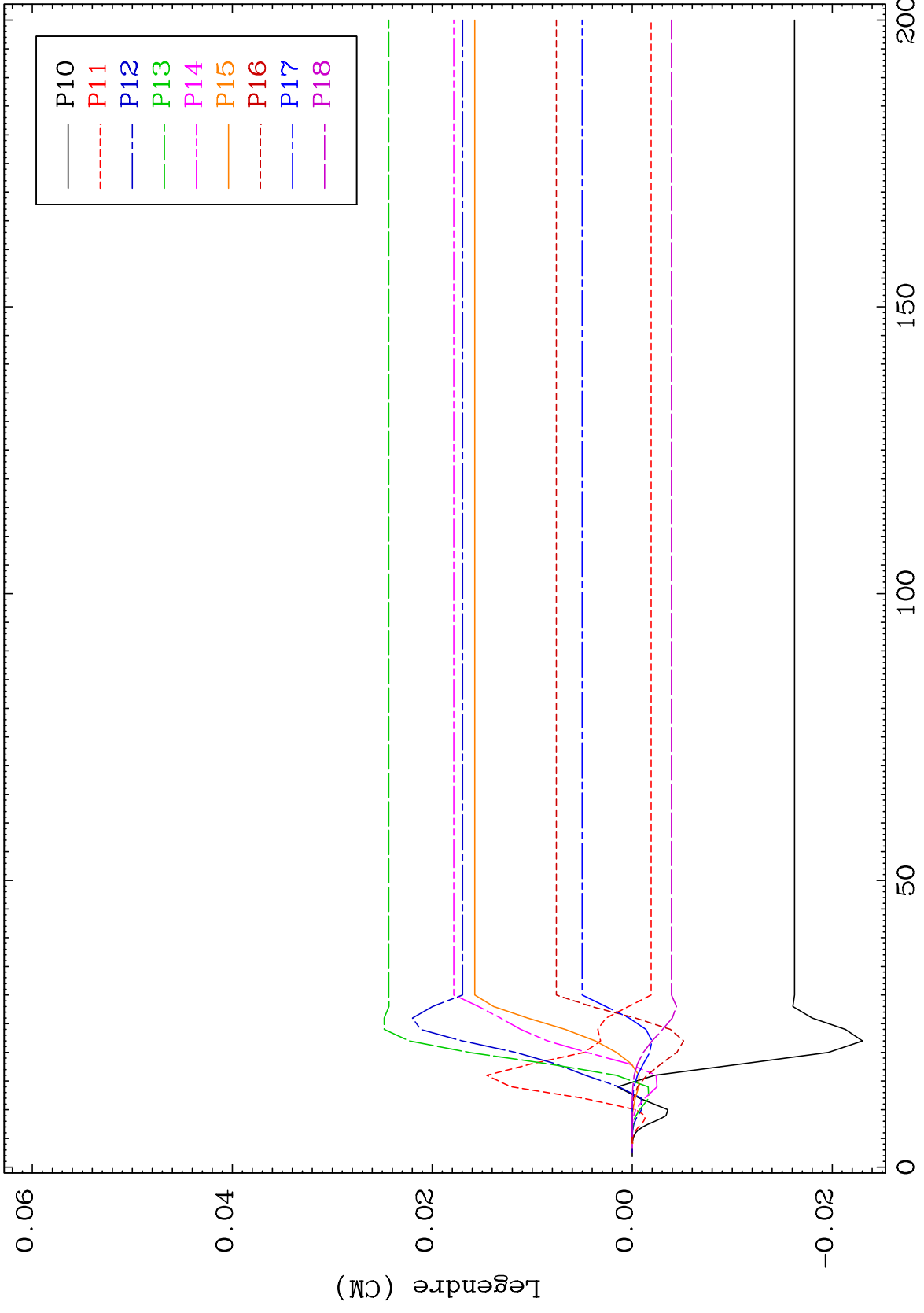
74

MAT 6410 MT= 65 (n,n') Level Legendre Coefficients 64-Gd-147



75 Incident Energy (MeV) 64-Gd-147

MAT 6410 MT= 65 (n,n') Level Legendre Coefficients 64-Gd-147

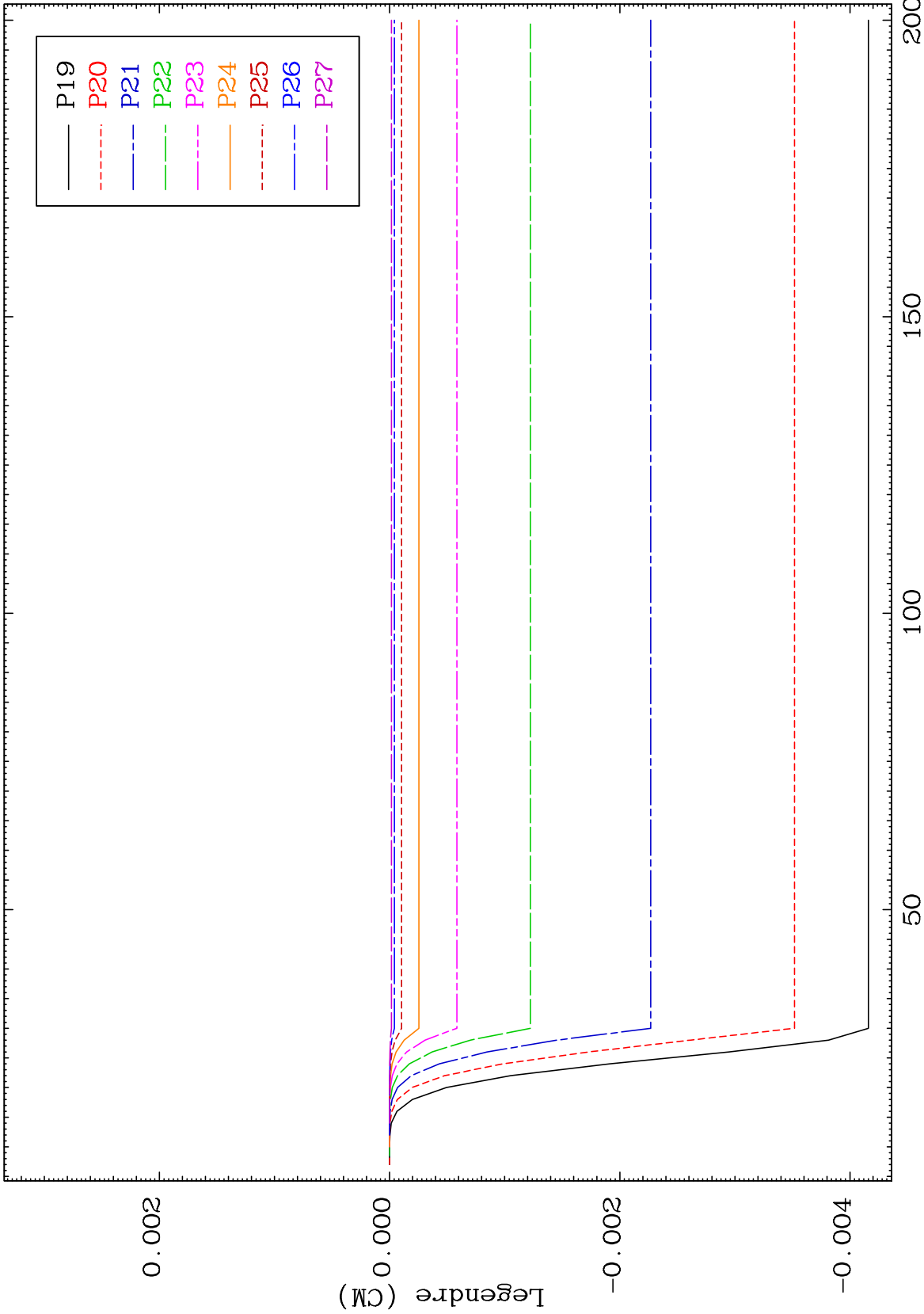


76 64-Gd-147

MAT 6410

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

64-Gd-147

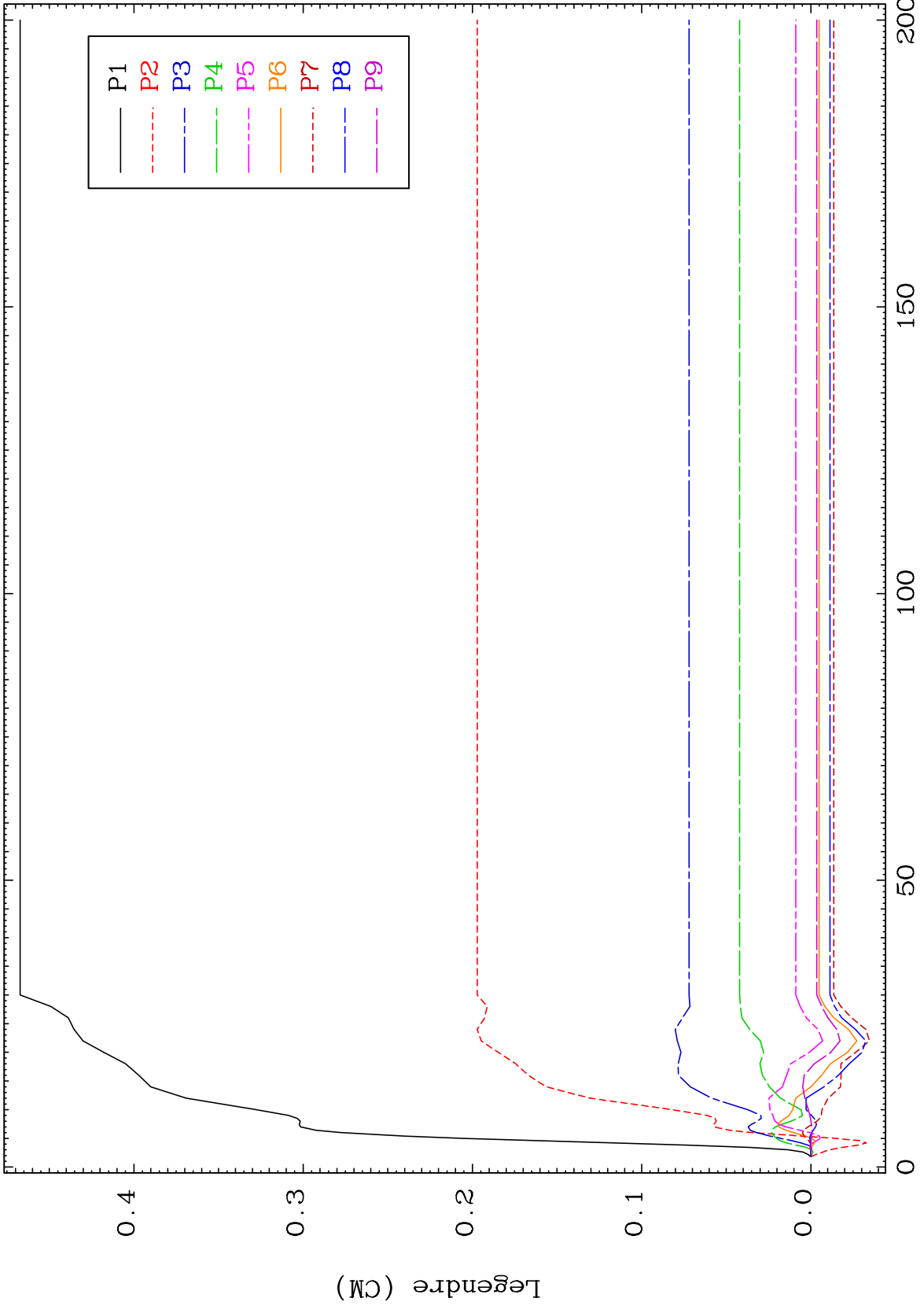


77

Incident Energy (MeV)

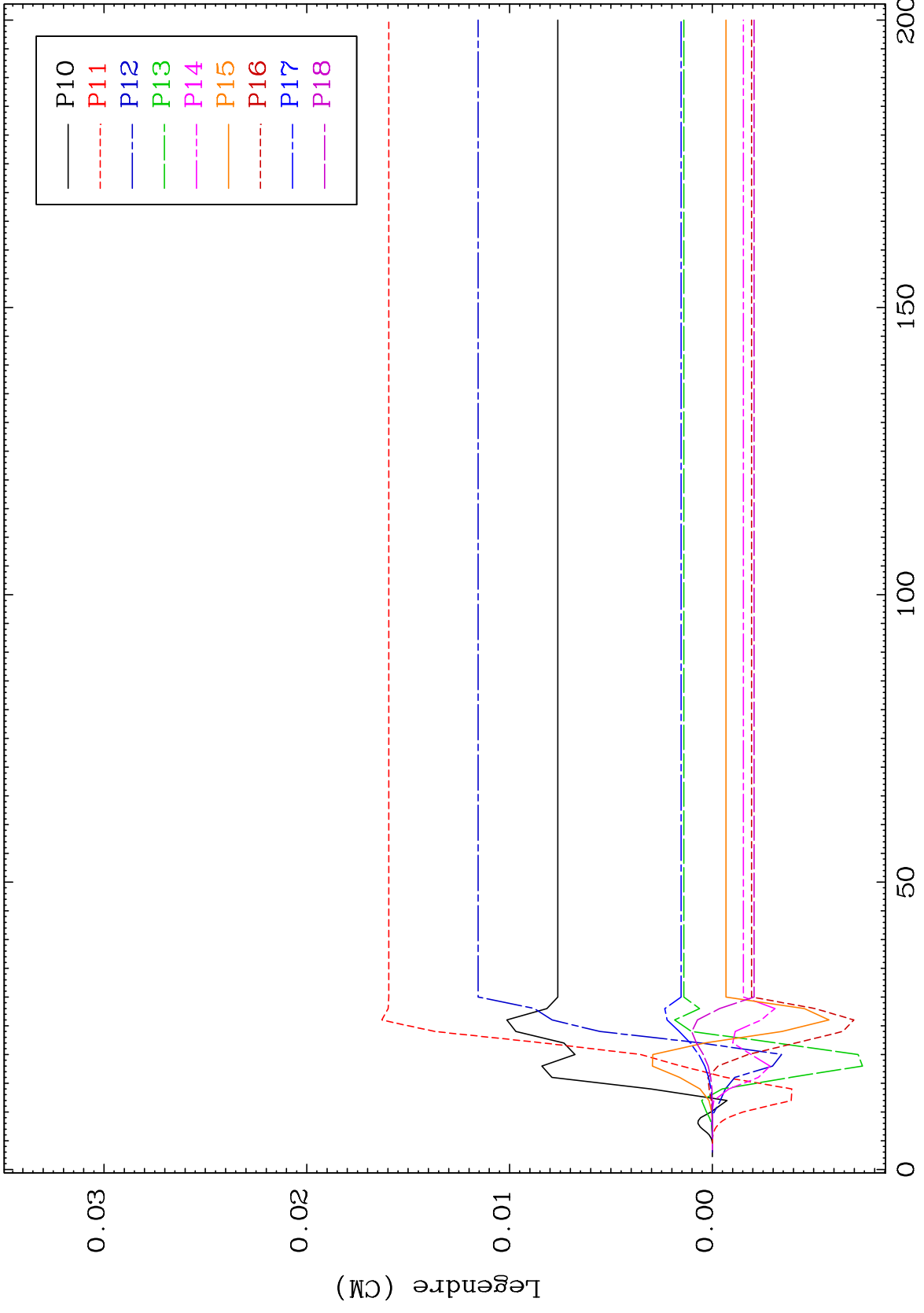
64-Gd-147

MAT 6410 MT= 66 (n,n') Level Legendre Coefficients 64-Gd-147



79 Incident Energy (MeV) 64-Gd-147

MAT 6410 MT= 66 (n,n') Level Legendre Coefficients 64-Gd-147

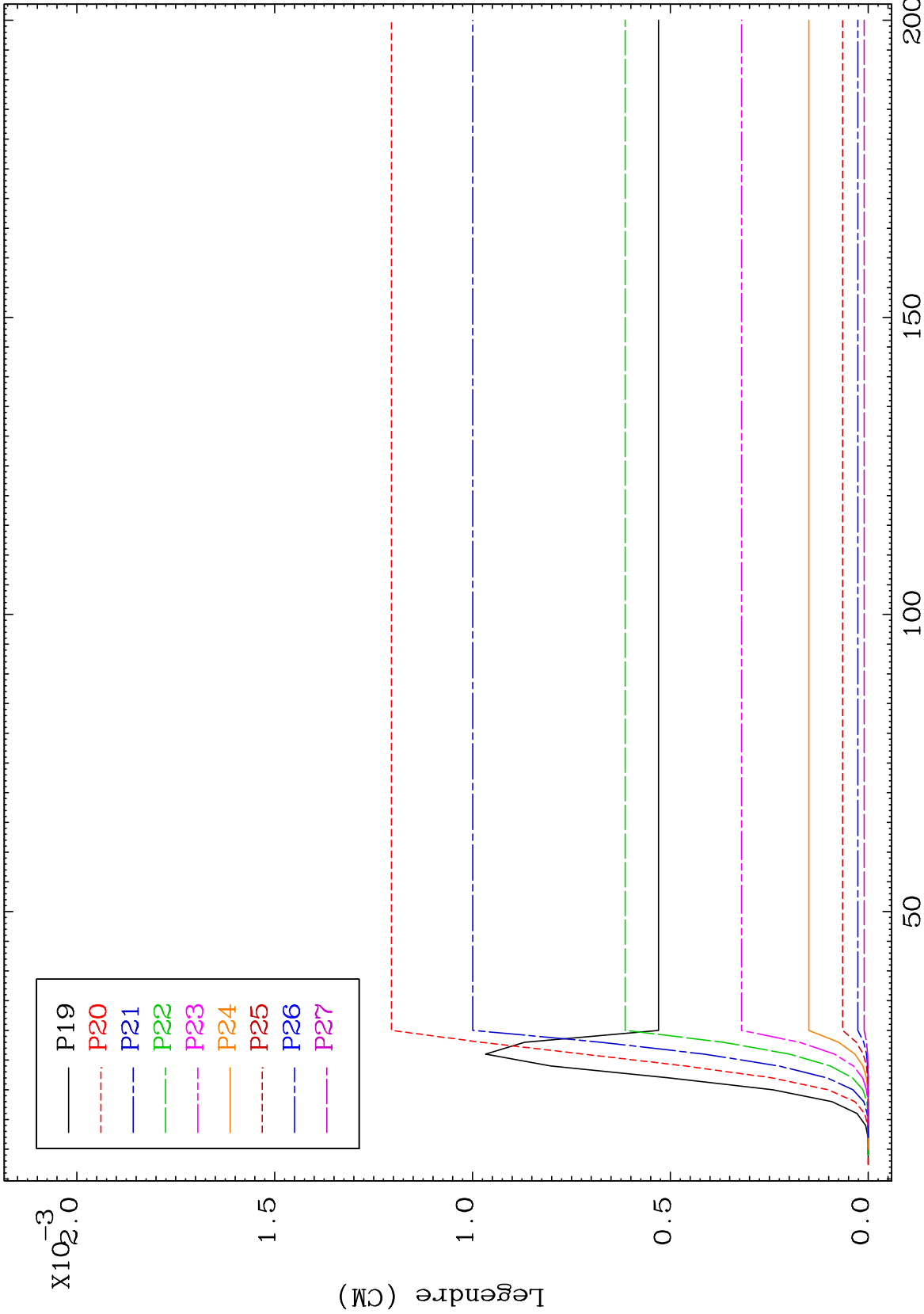


64-Gd-147

MAT 6410

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

64-Gd-147



81

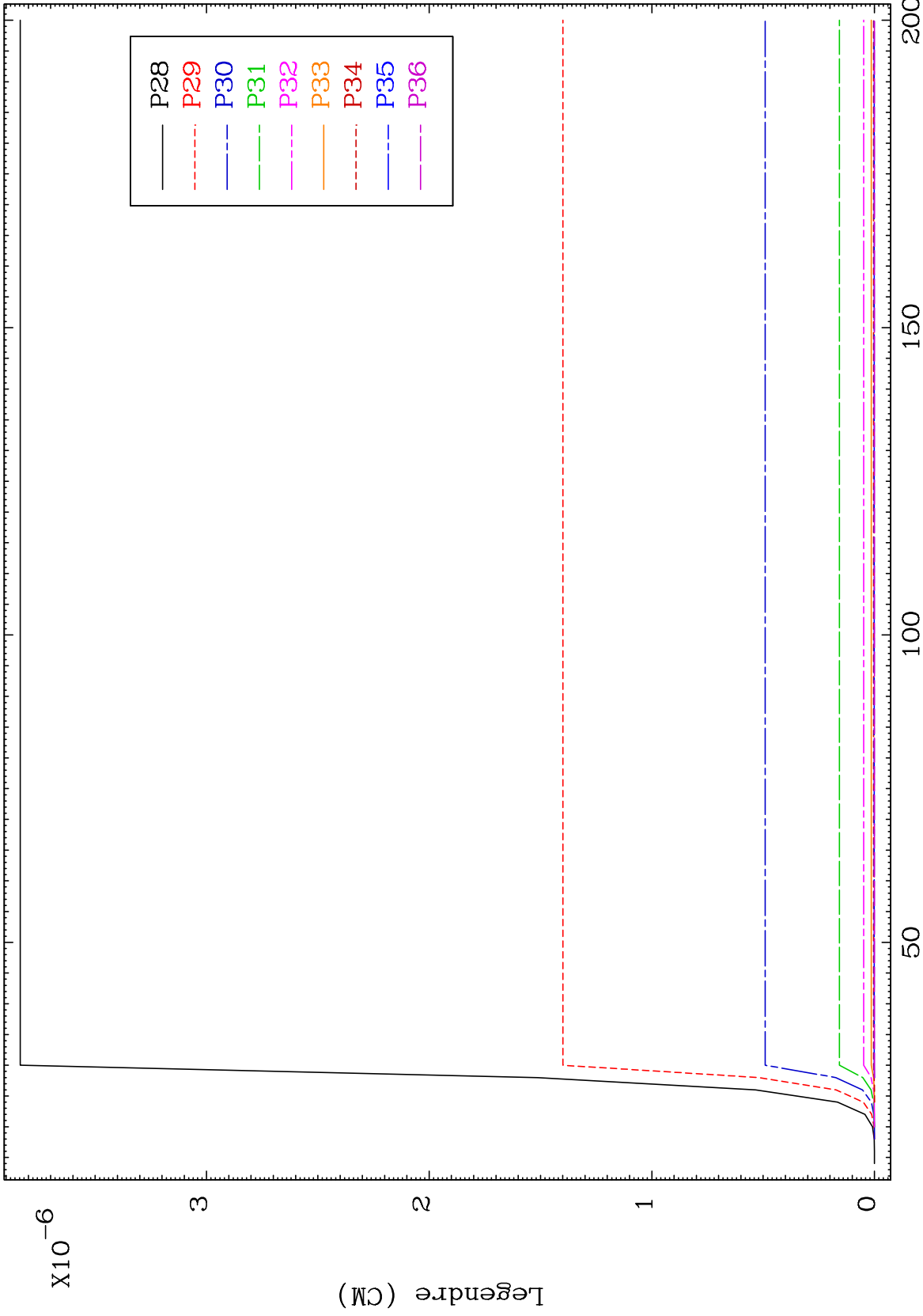
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

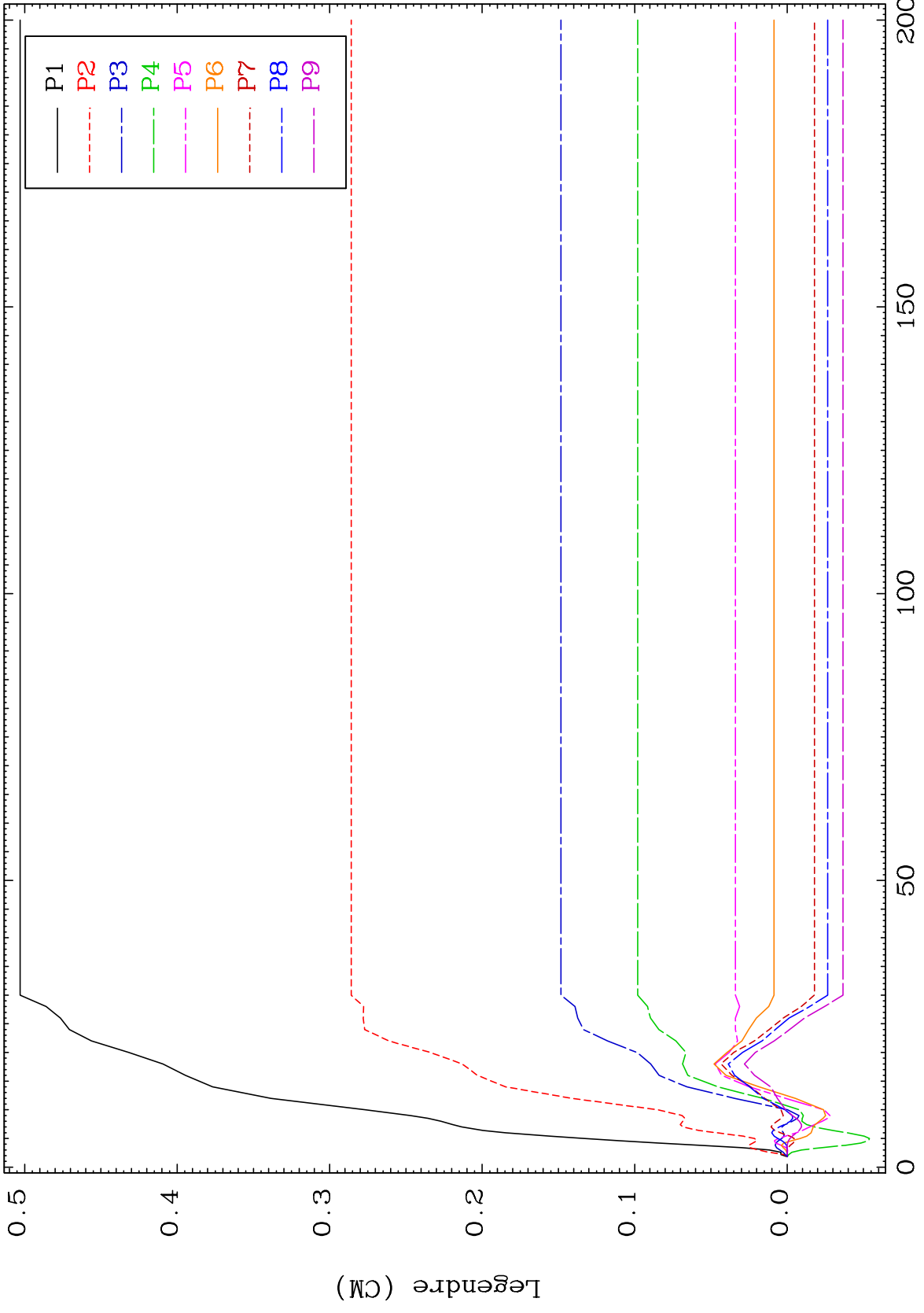
64-Gd-147



82

64-Gd-147

MAT 6410 MT= 67 (n,n') Level Legendre Coefficients 64-Gd-147

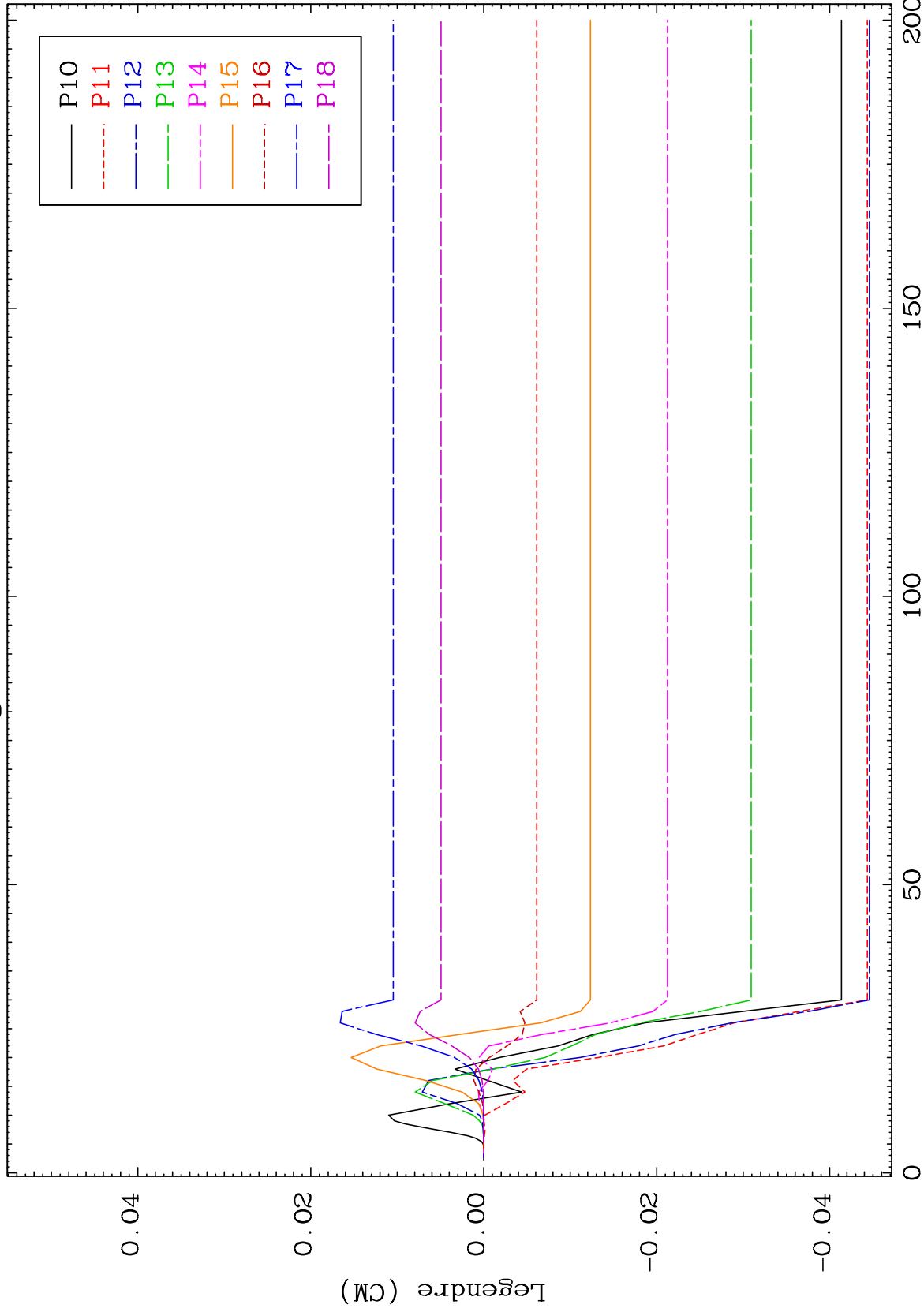


83 64-Gd-147

MAT 6410

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

64-Gd-147



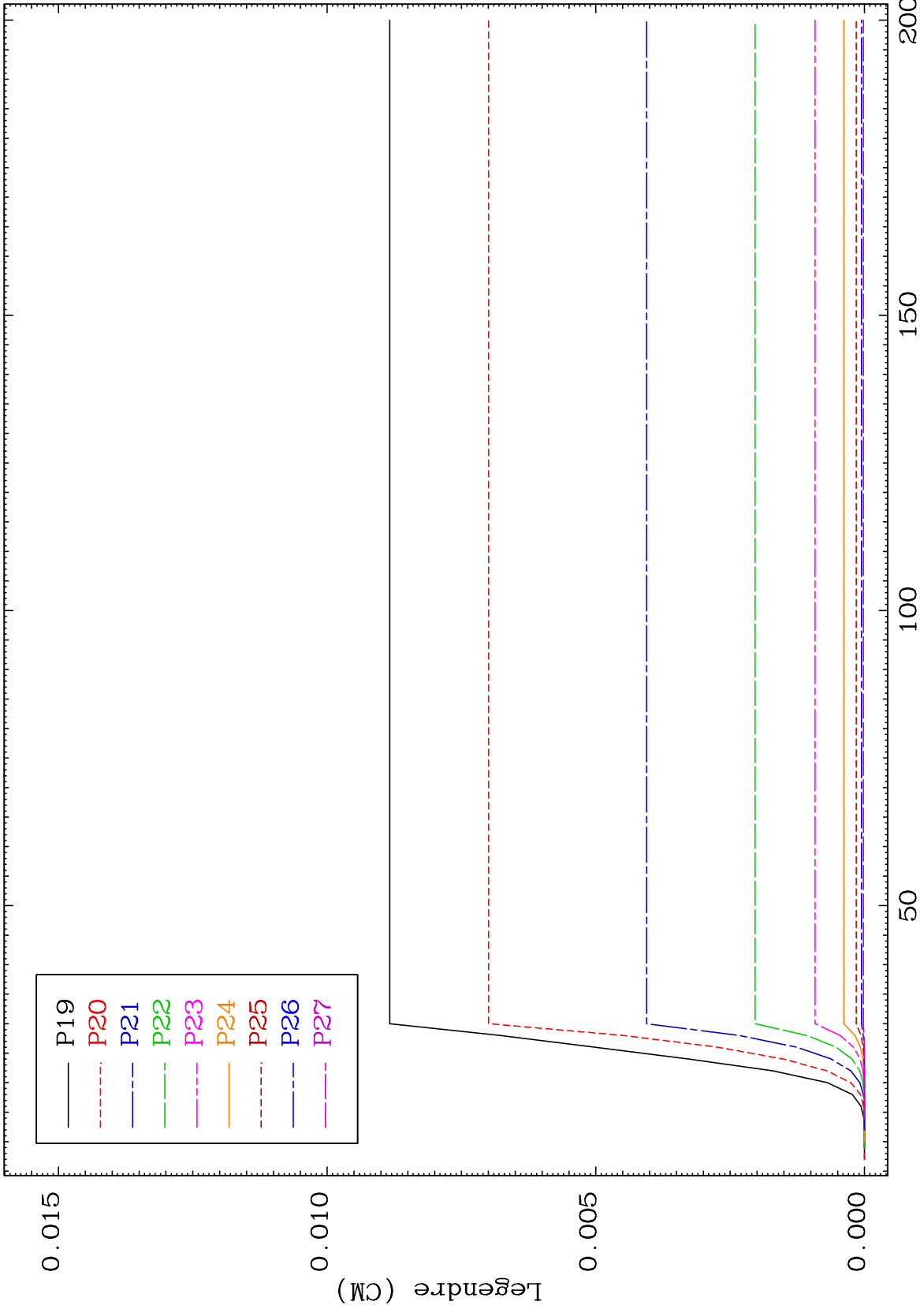
84

64-Gd-147

MAT 6410

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

64-Gd-147



85

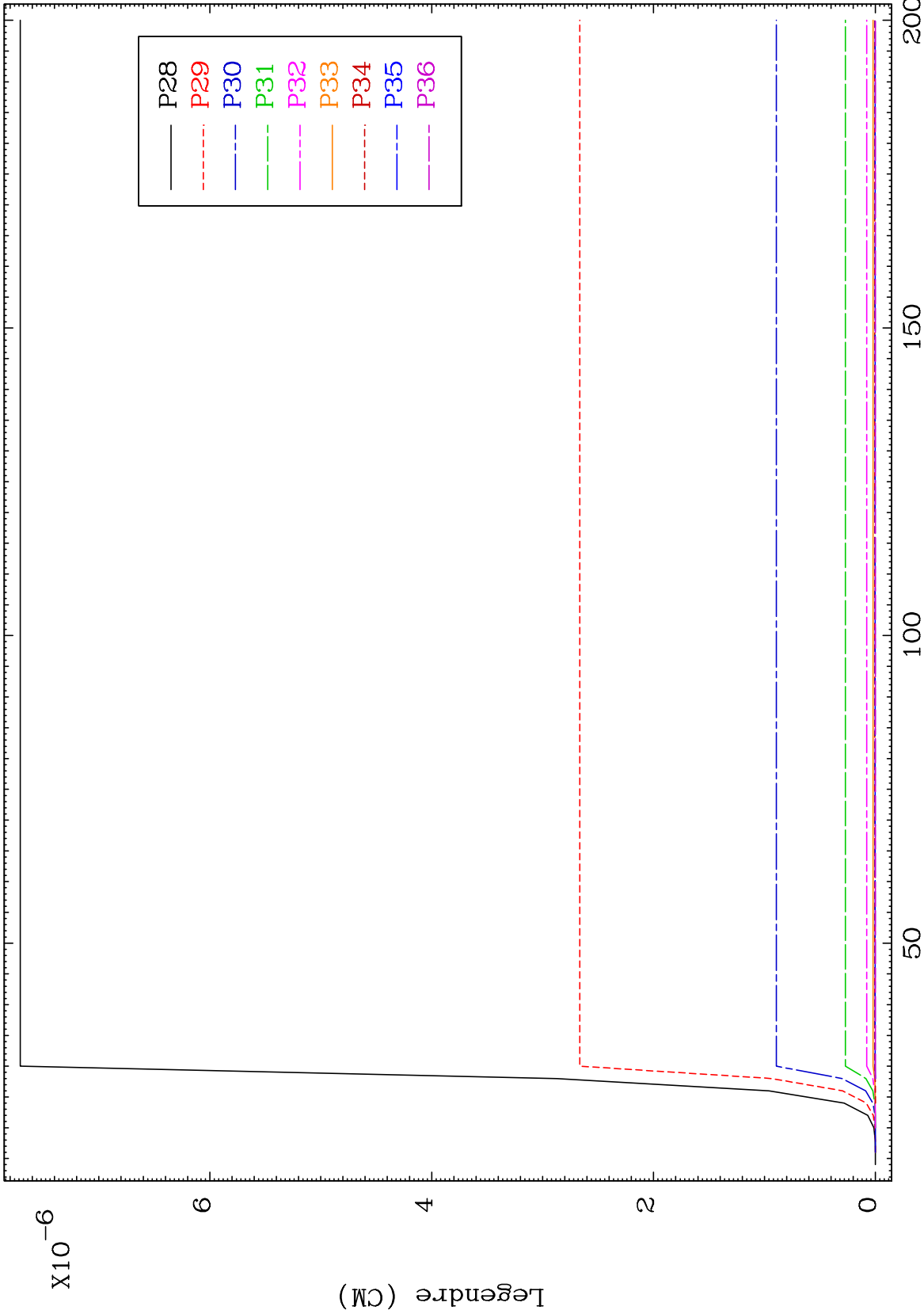
64-Gd-147

Incident Energy (MeV)

MAT 6410

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

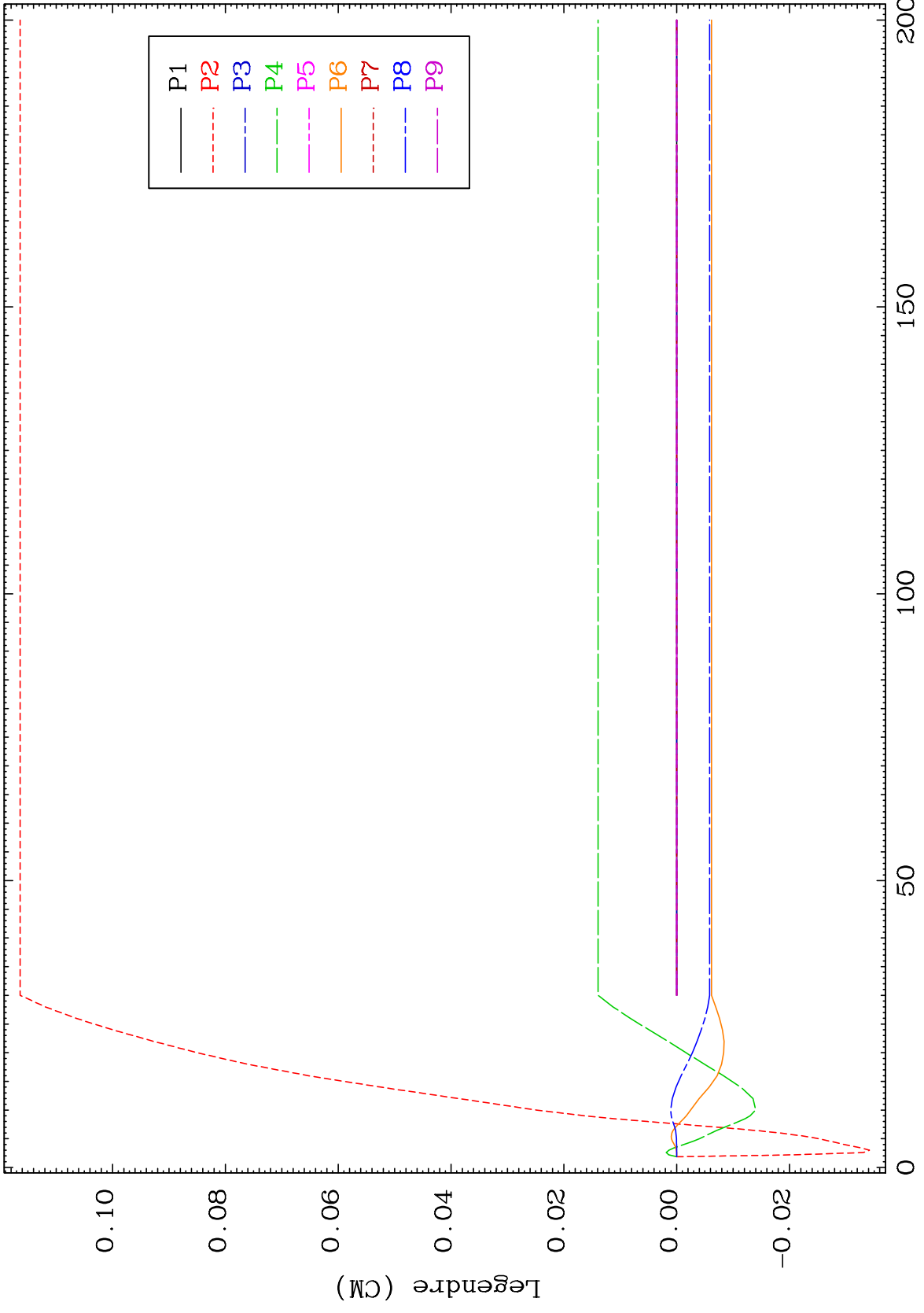
64-Gd-147



86

64-Gd-147

MAT 6410 MT= 68 (n,n') Level Legendre Coefficients 64-Gd-147

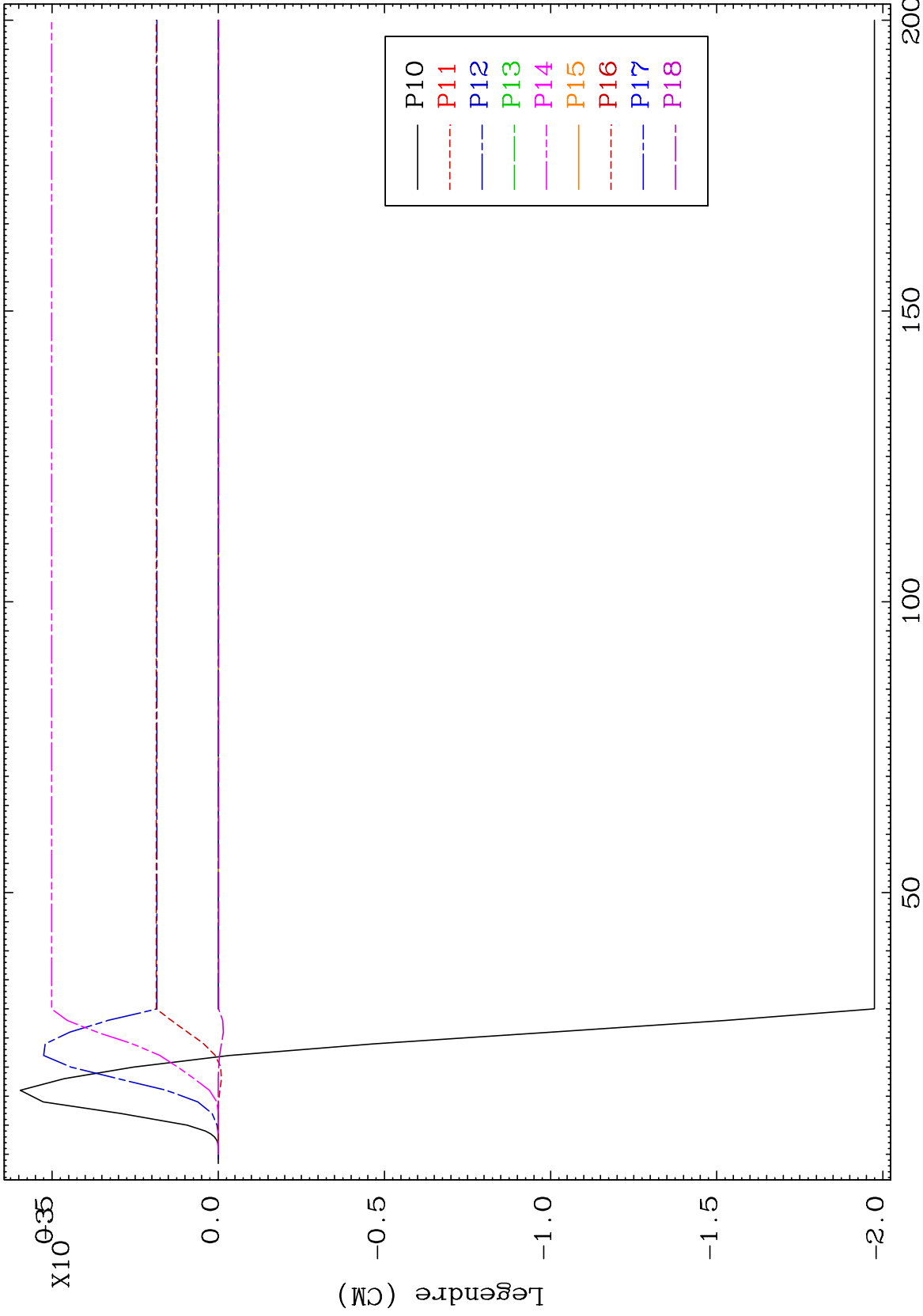


87 64-Gd-147

MAT 6410

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

64-Gd-147

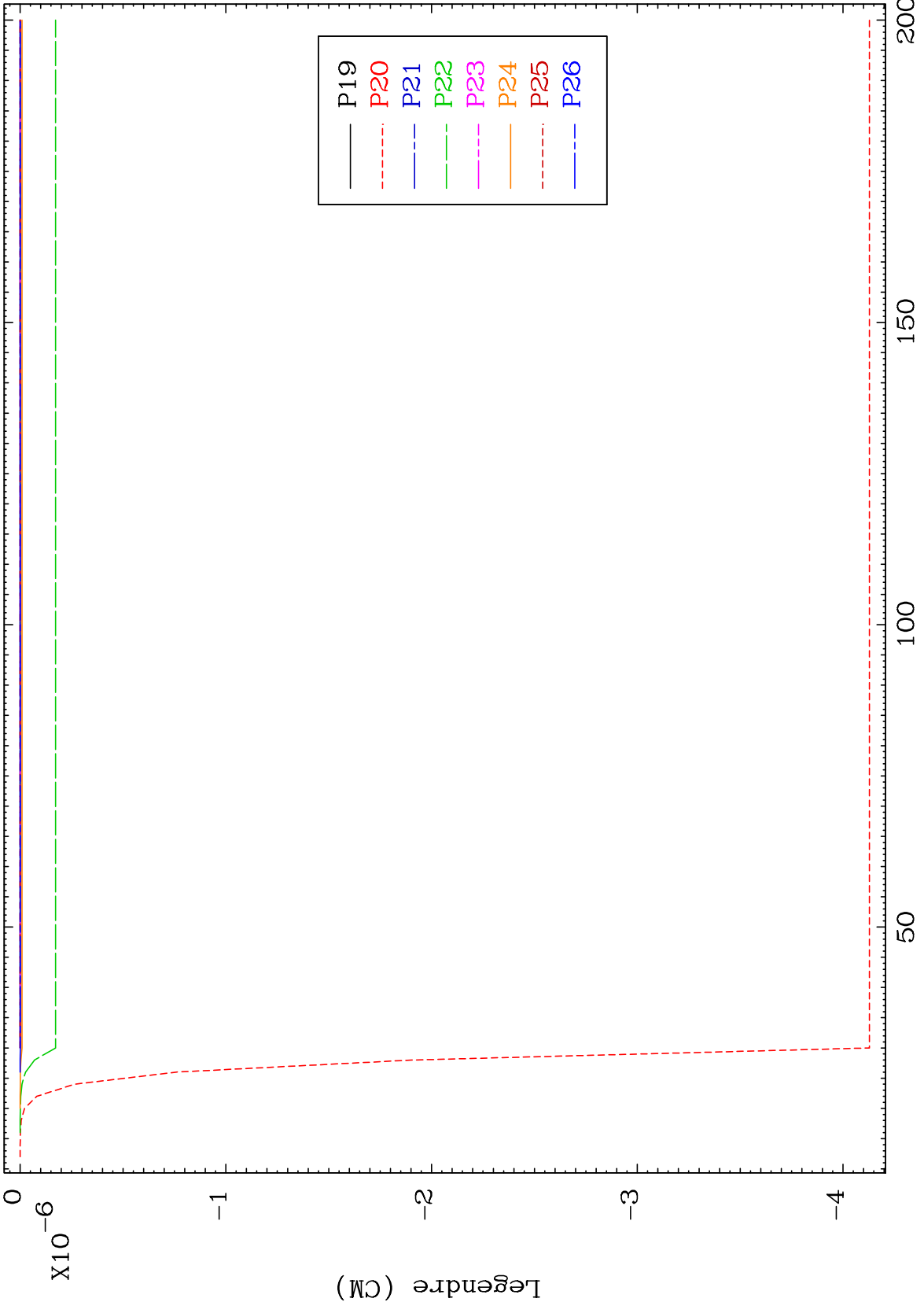


88

Incident Energy (MeV)

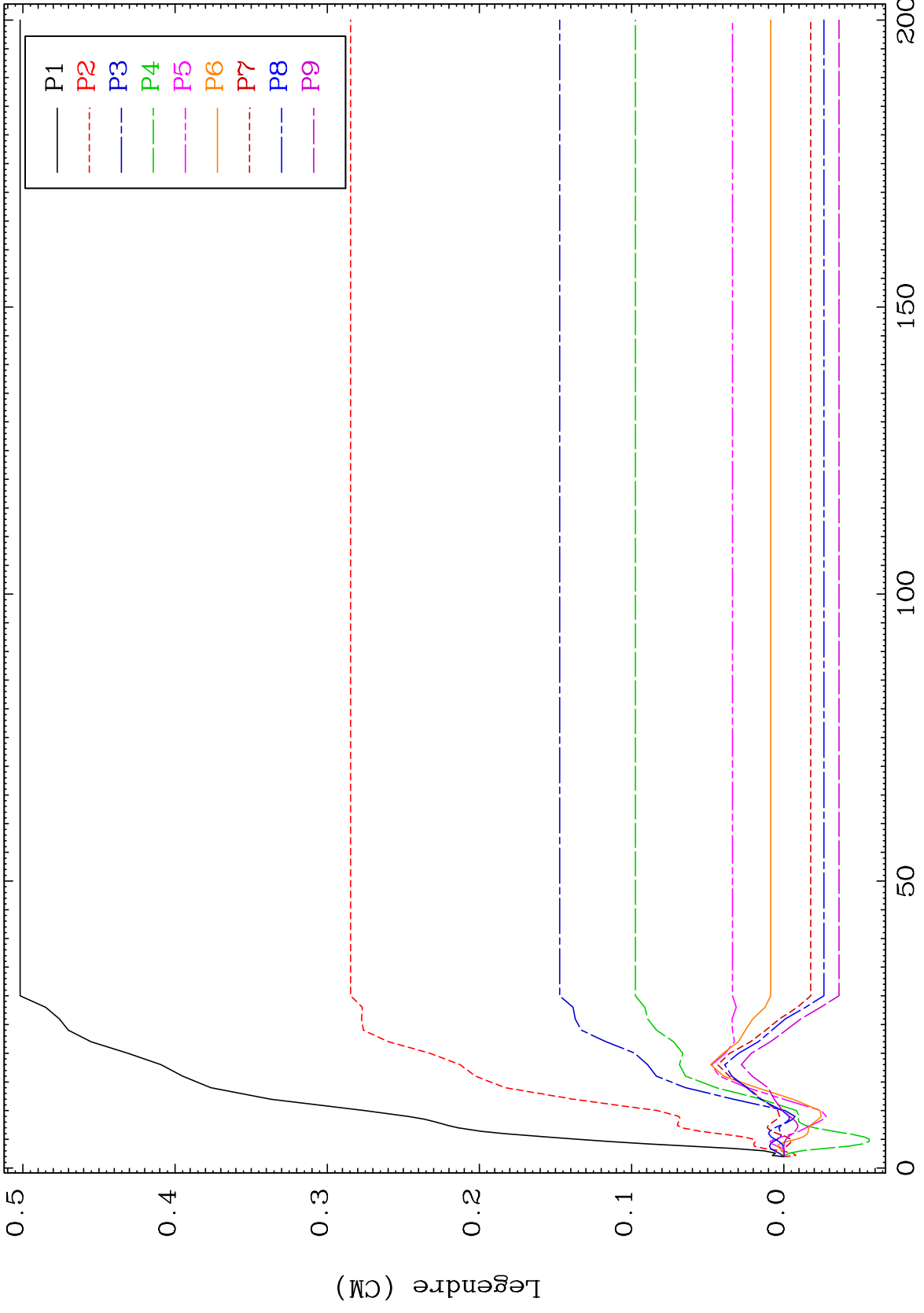
64-Gd-147

MAT 6410 MT= 68 (n,n') Level Legendre Coefficients 64-Gd-147



89 64-Gd-147

MAT 6410 MT= 69 (n,n') Level Legendre Coefficients 64-Gd-147

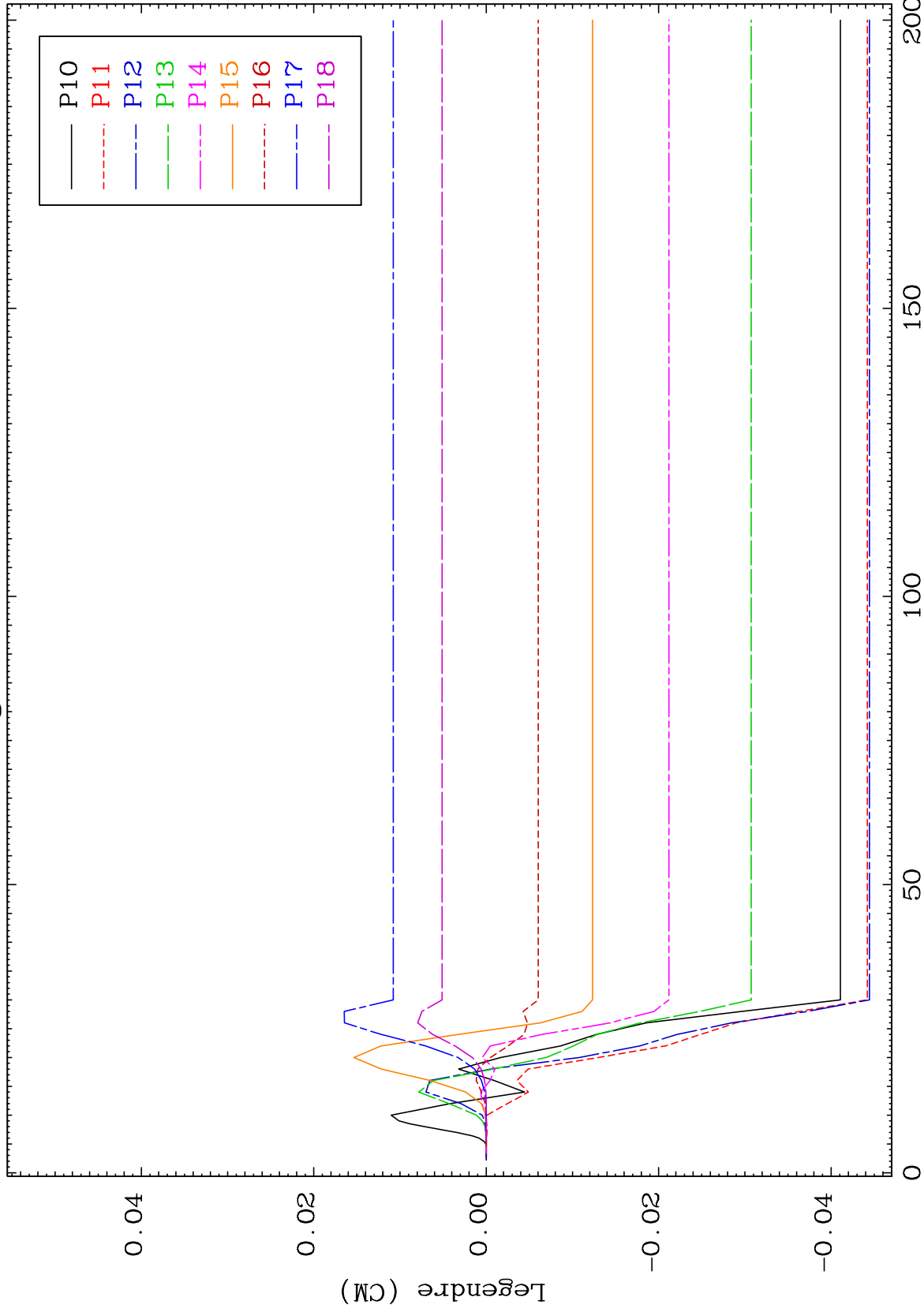


64-Gd-147

MAT 6410

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

64-Gd-147



91

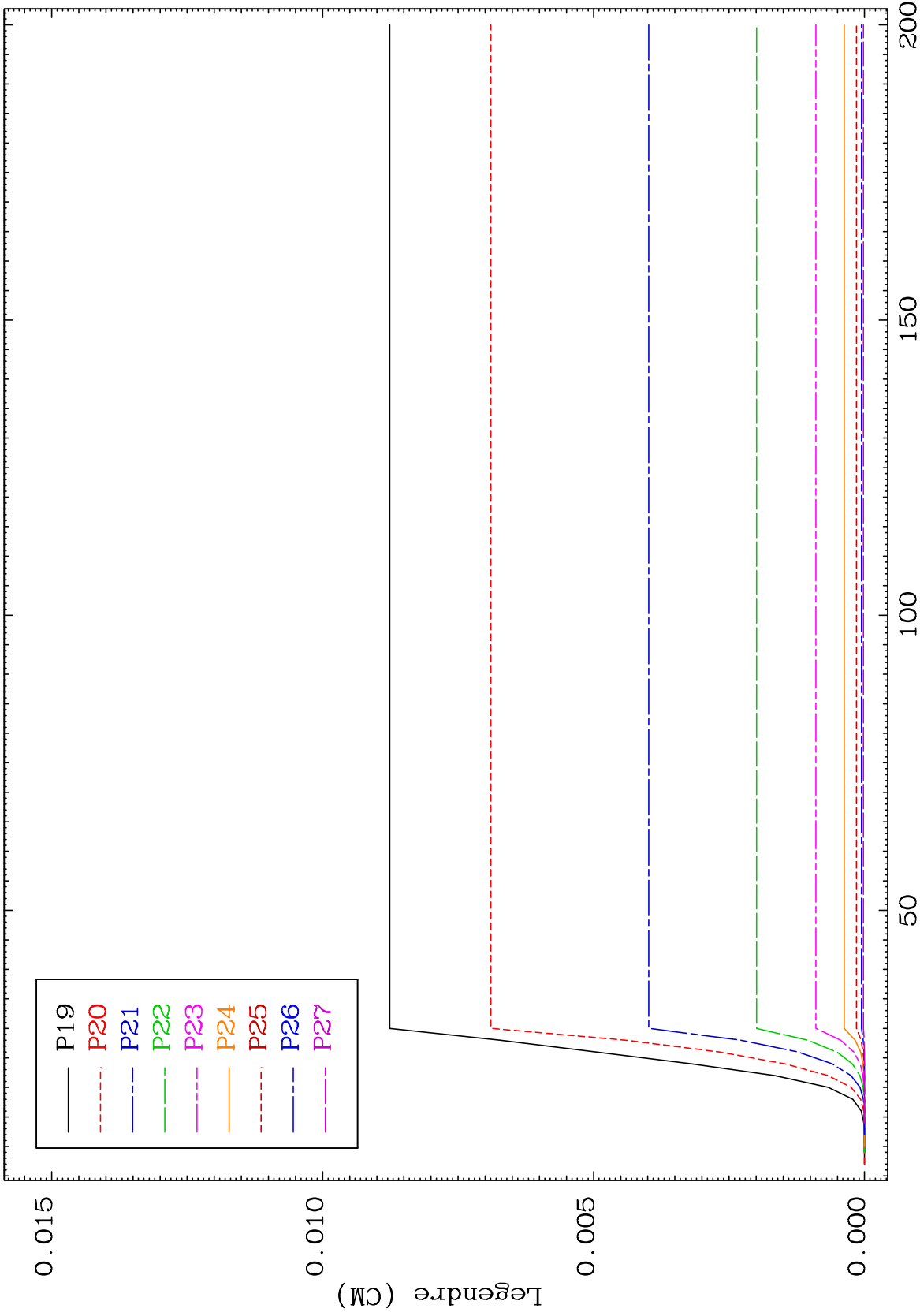
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



92

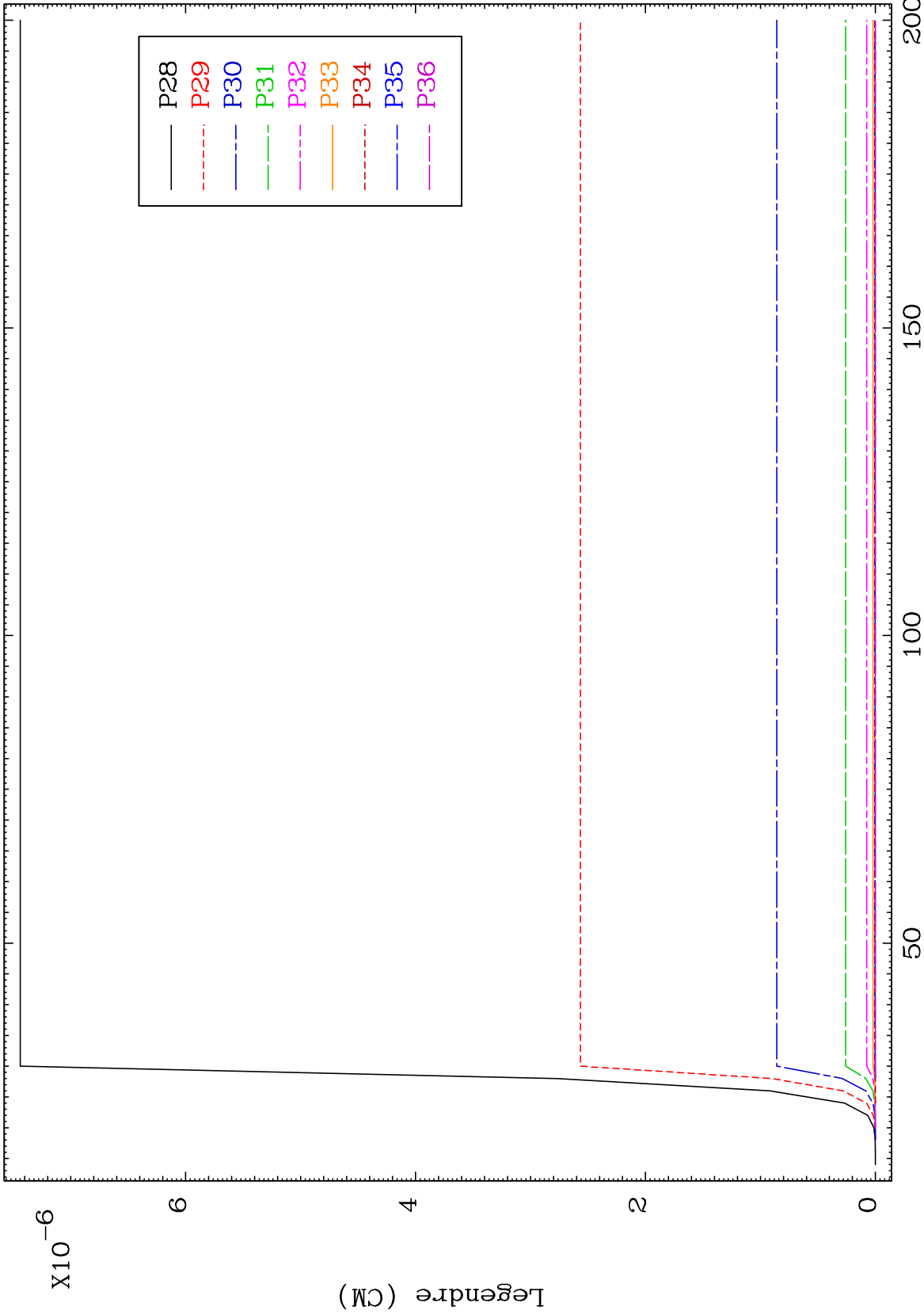
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

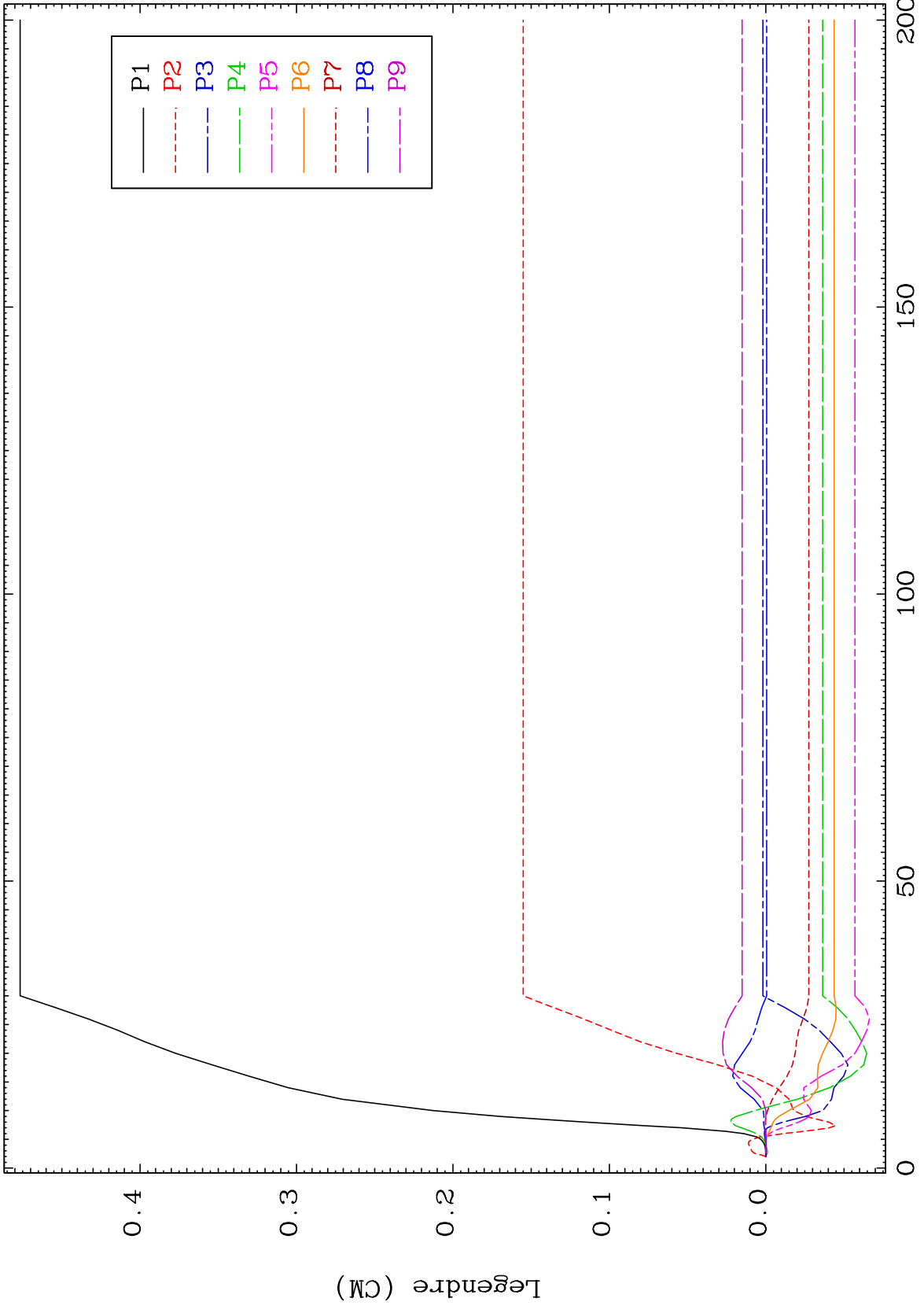
64-Gd-147



93

64-Gd-147

MAT 6410 MT= 70 (n,n') Level Legendre Coefficients 64-Gd-147

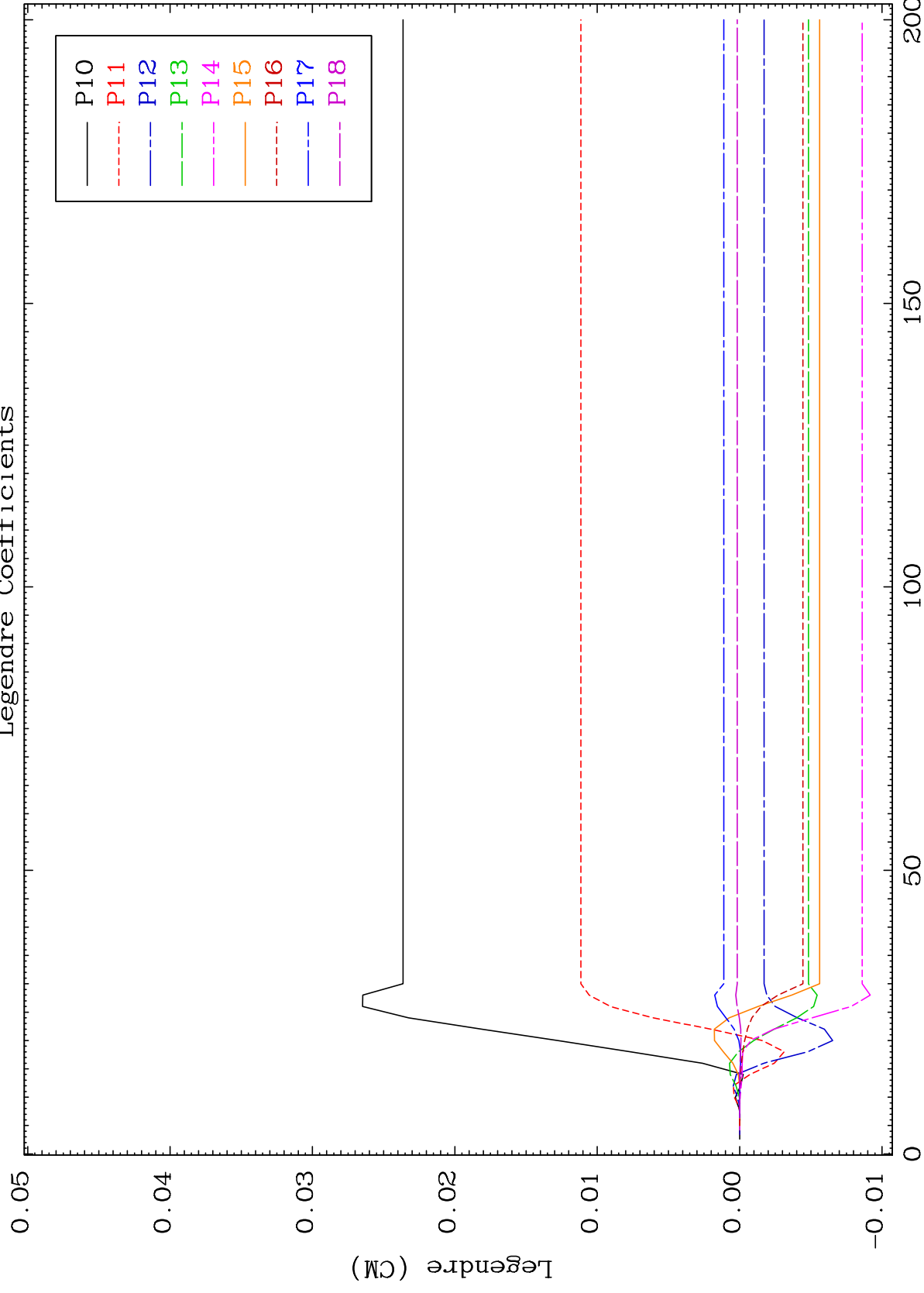


94 64-Gd-147

MAT 6410 MT= 70 (n,n') Level Legendre Coefficients

64-Gd-147

64-Gd-147

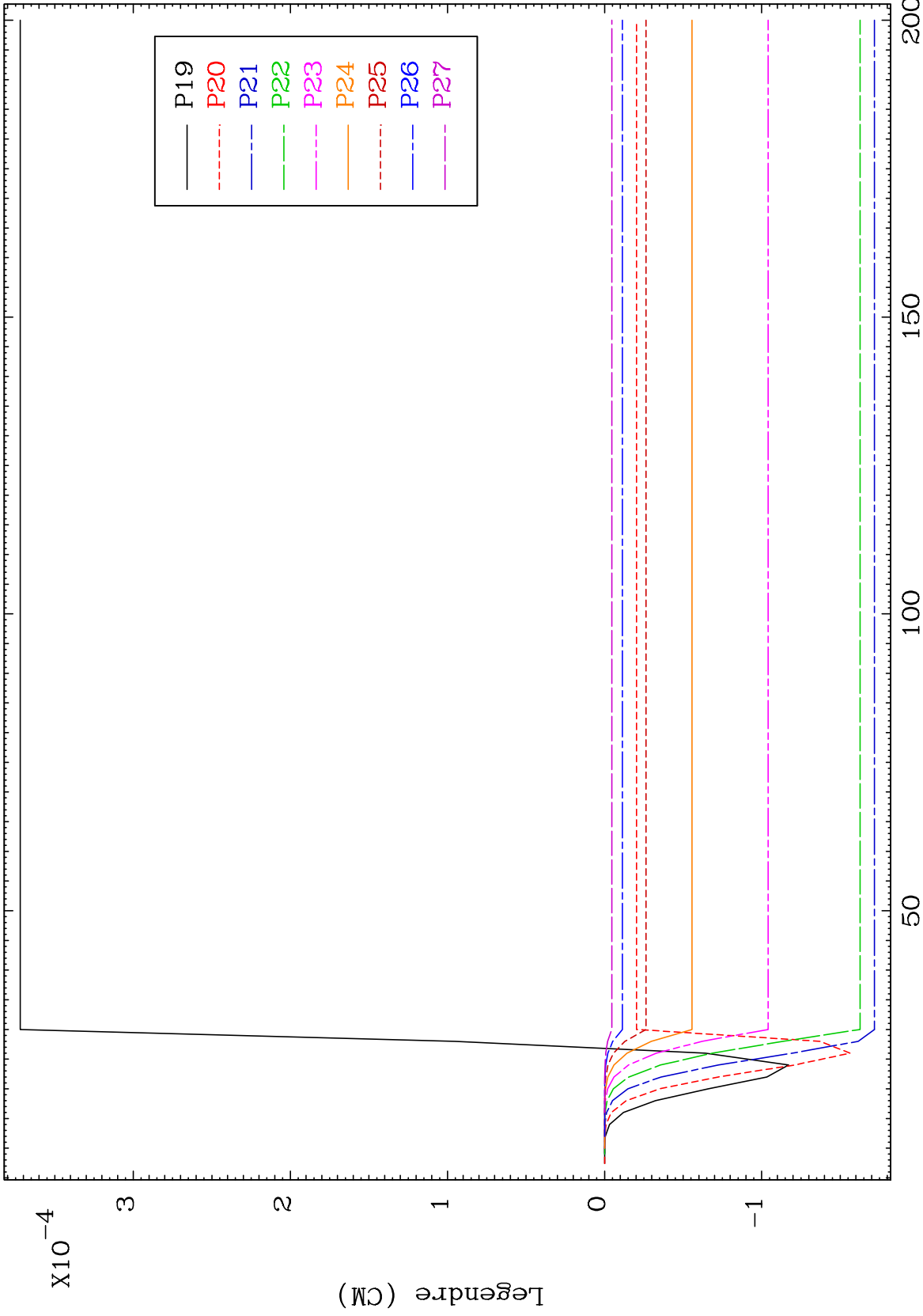


95

MAT 6410

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

64-Gd-147



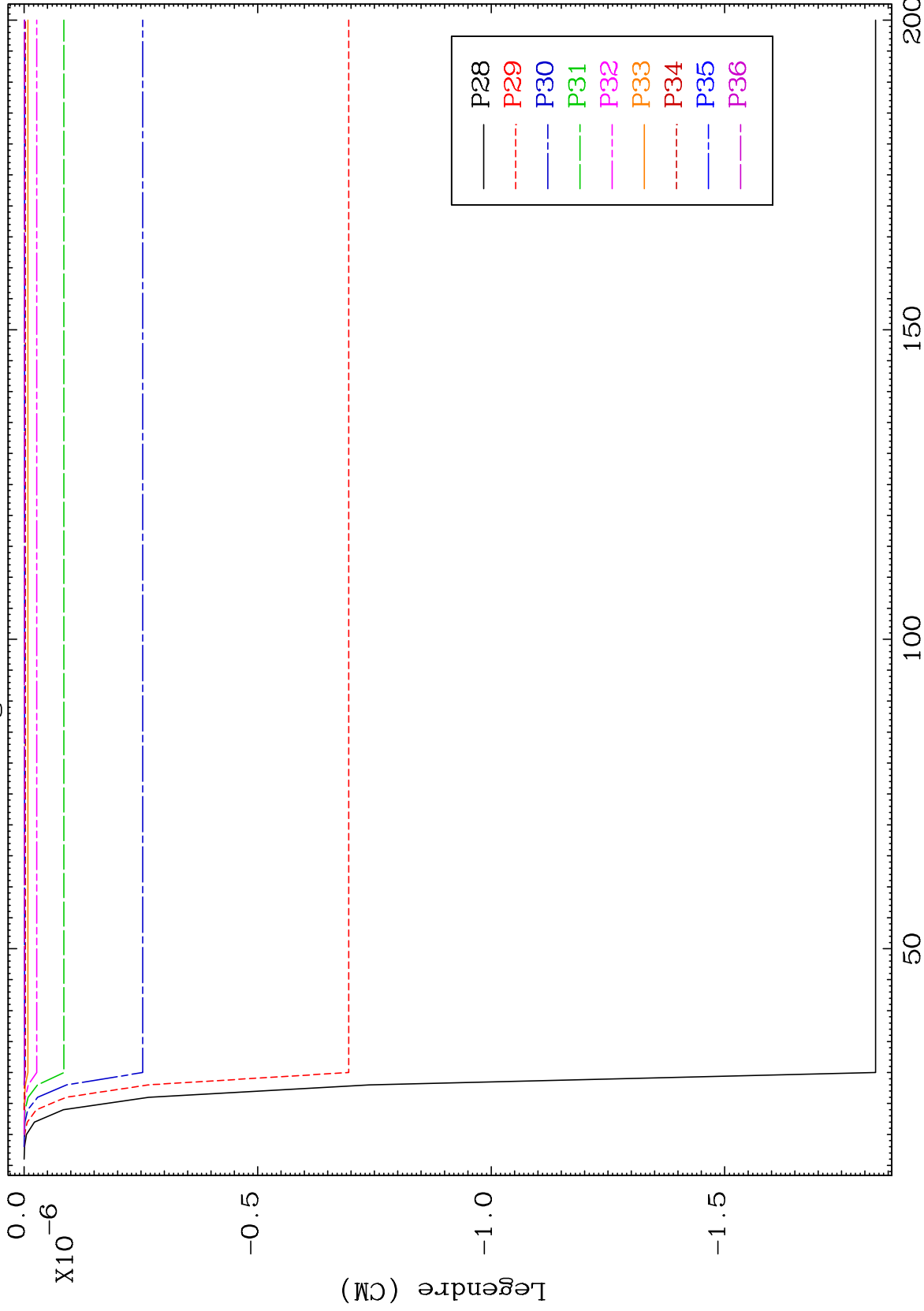
96

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

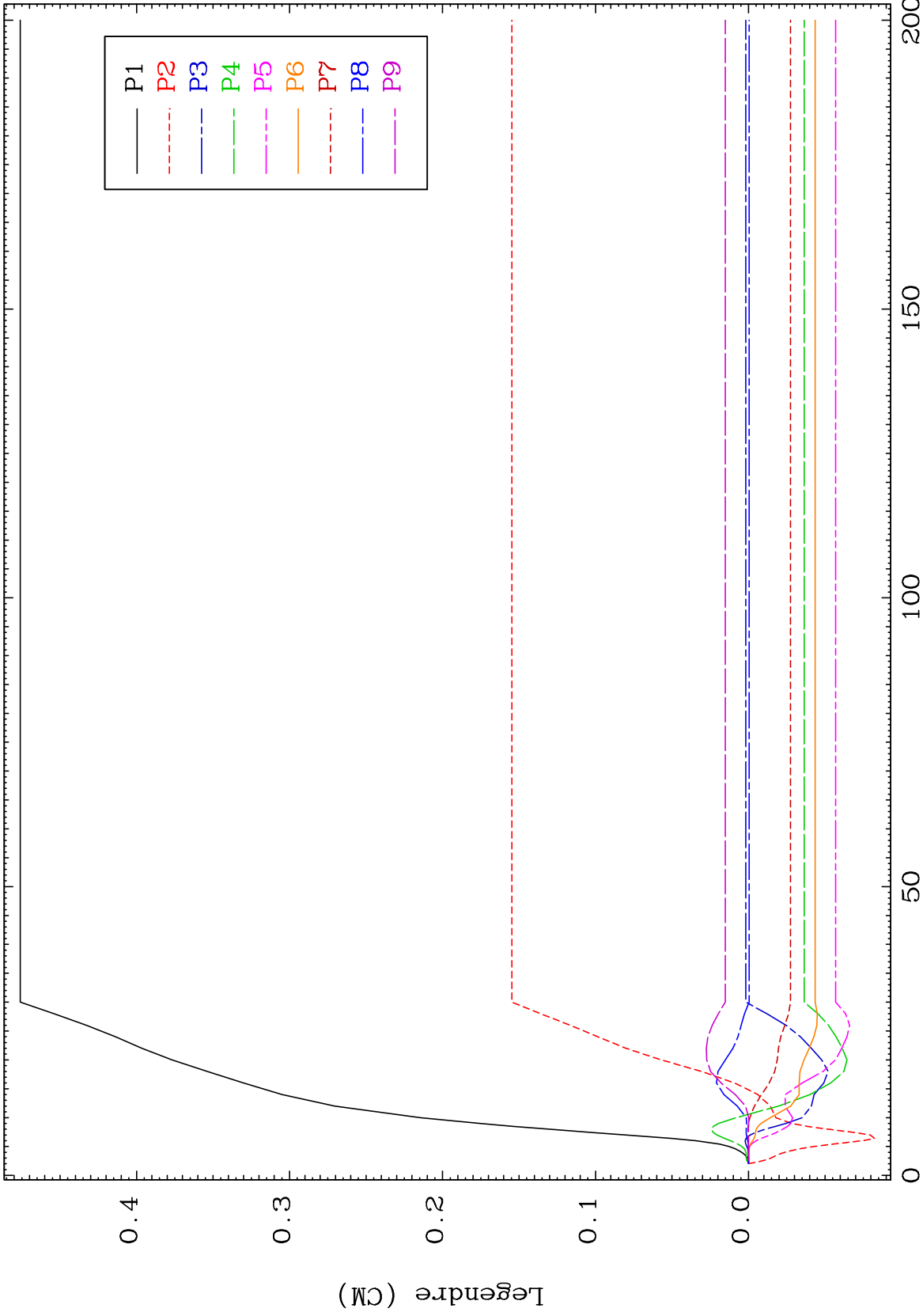
Incident Energy (MeV)

97

MAT 6410

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

64-Gd-147

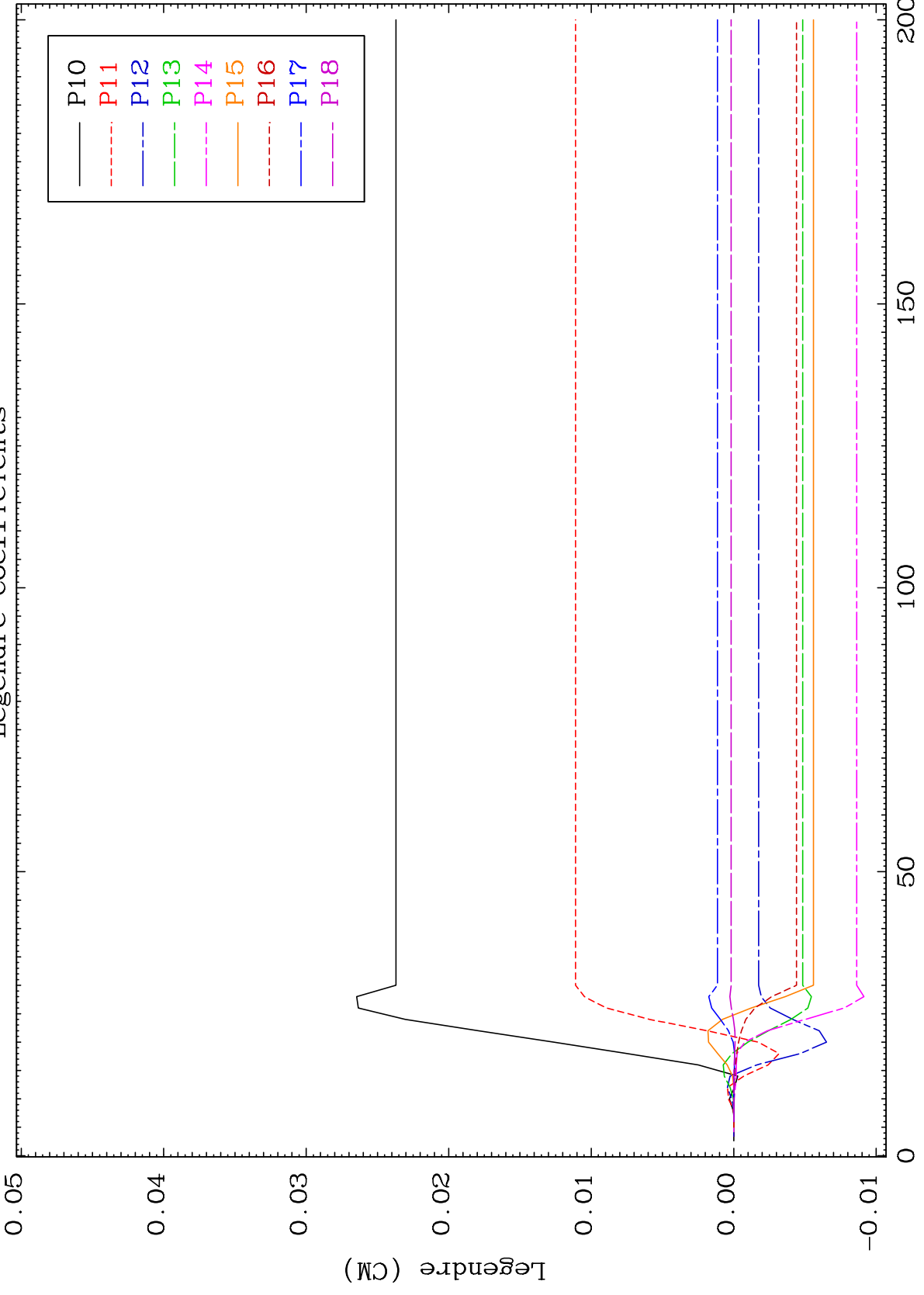


98

Incident Energy (MeV)

64-Gd-147

MAT 6410 MT= 71 (n,n') Level Legendre Coefficients 64-Gd-147

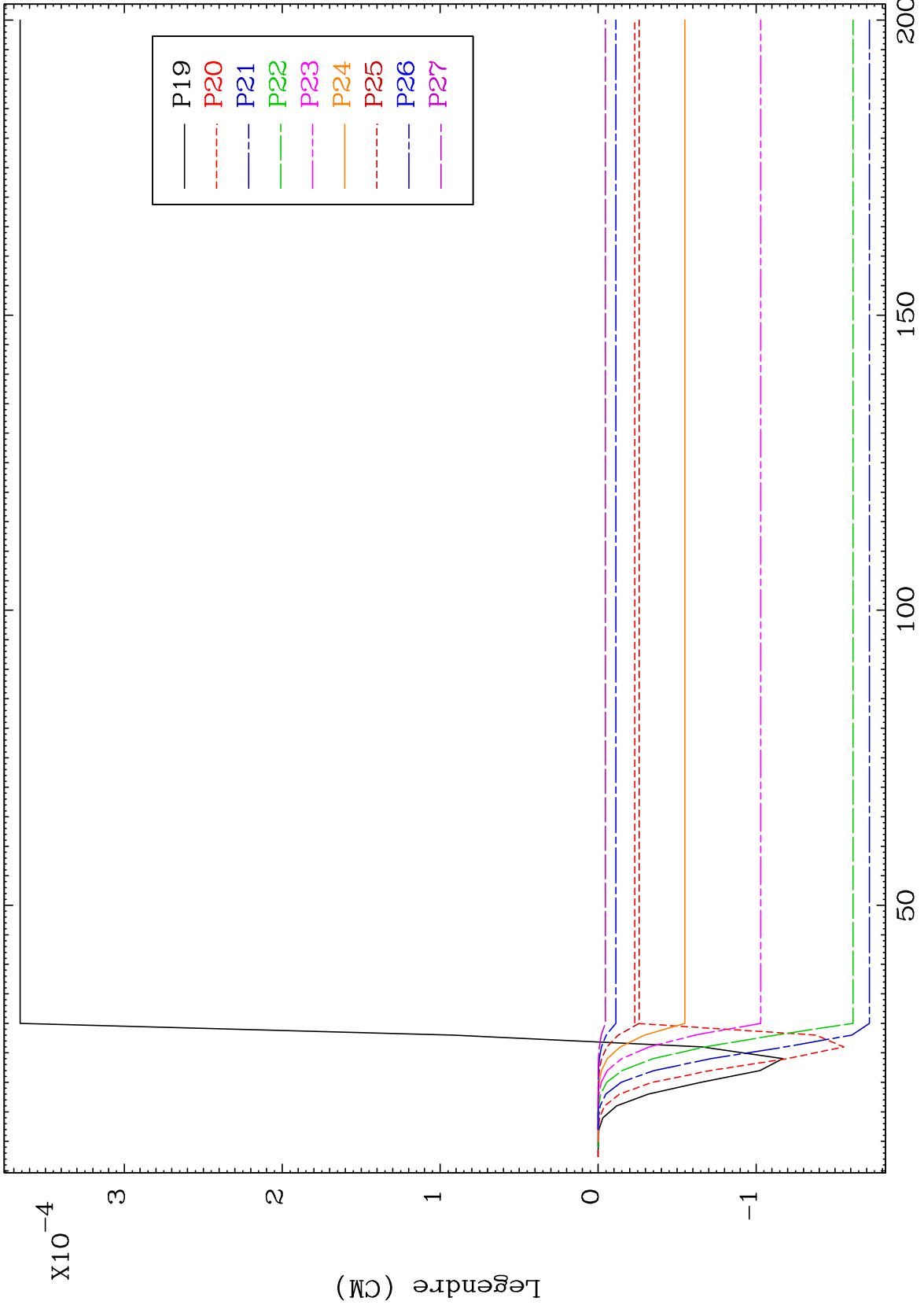


99 64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

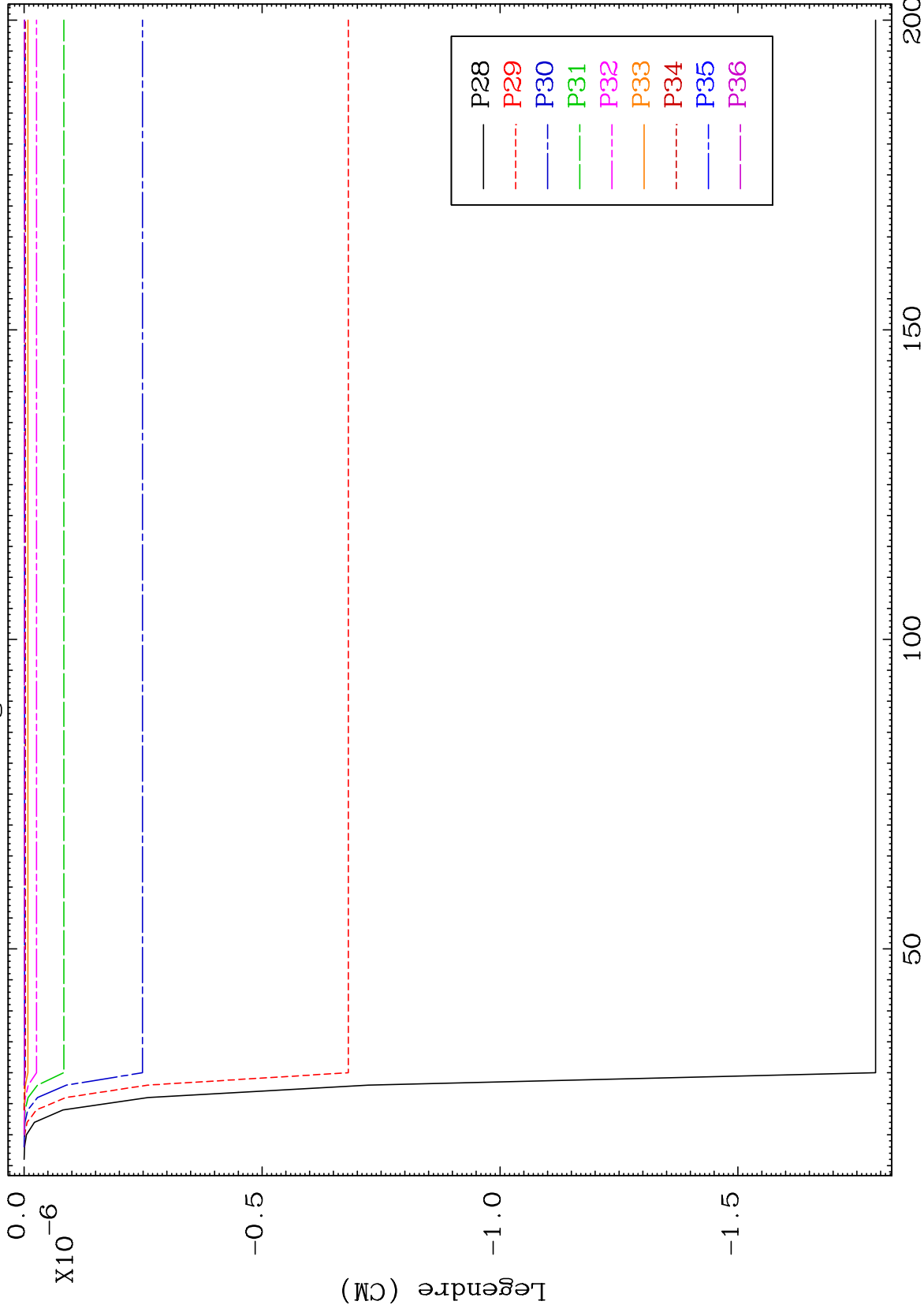
Incident Energy (MeV)

Legendre (CM)

MAT 6410

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

64-Gd-147

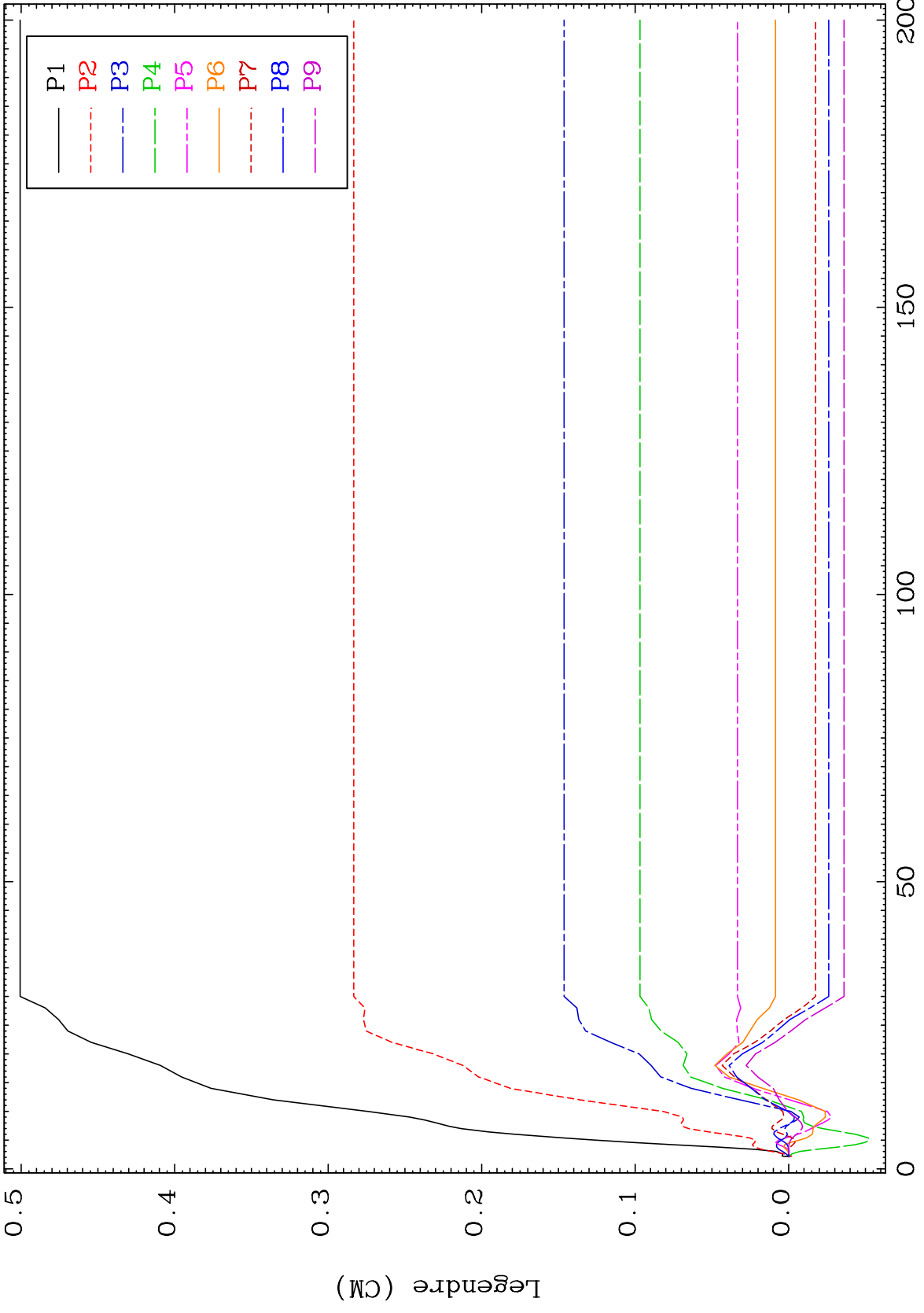


64-Gd-147

Incident Energy (MeV)

101

MAT 6410 MT= 72 (n,n') Level Legendre Coefficients 64-Gd-147

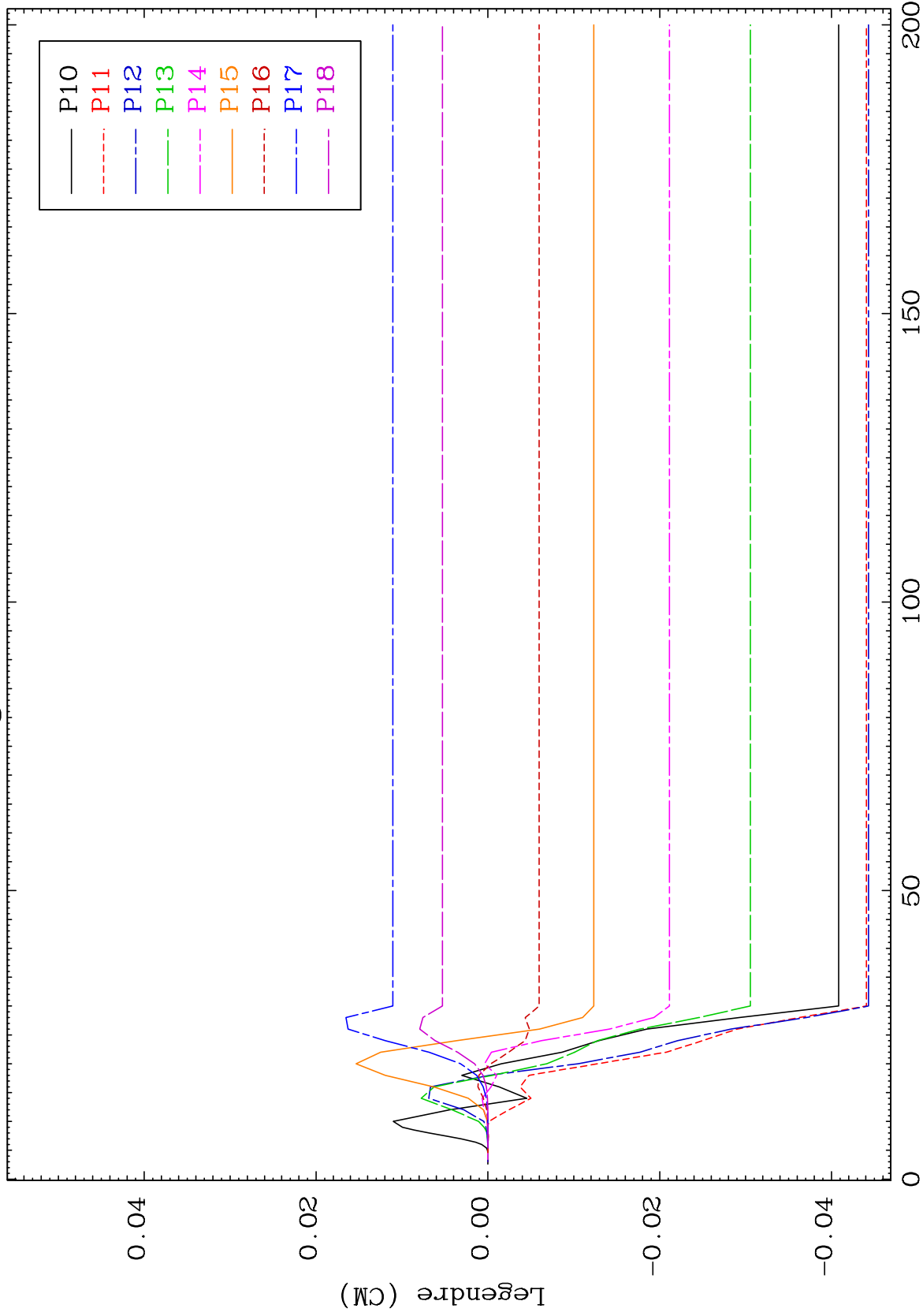


64-Gd-147

MAT 6410

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

64-Gd-147



103

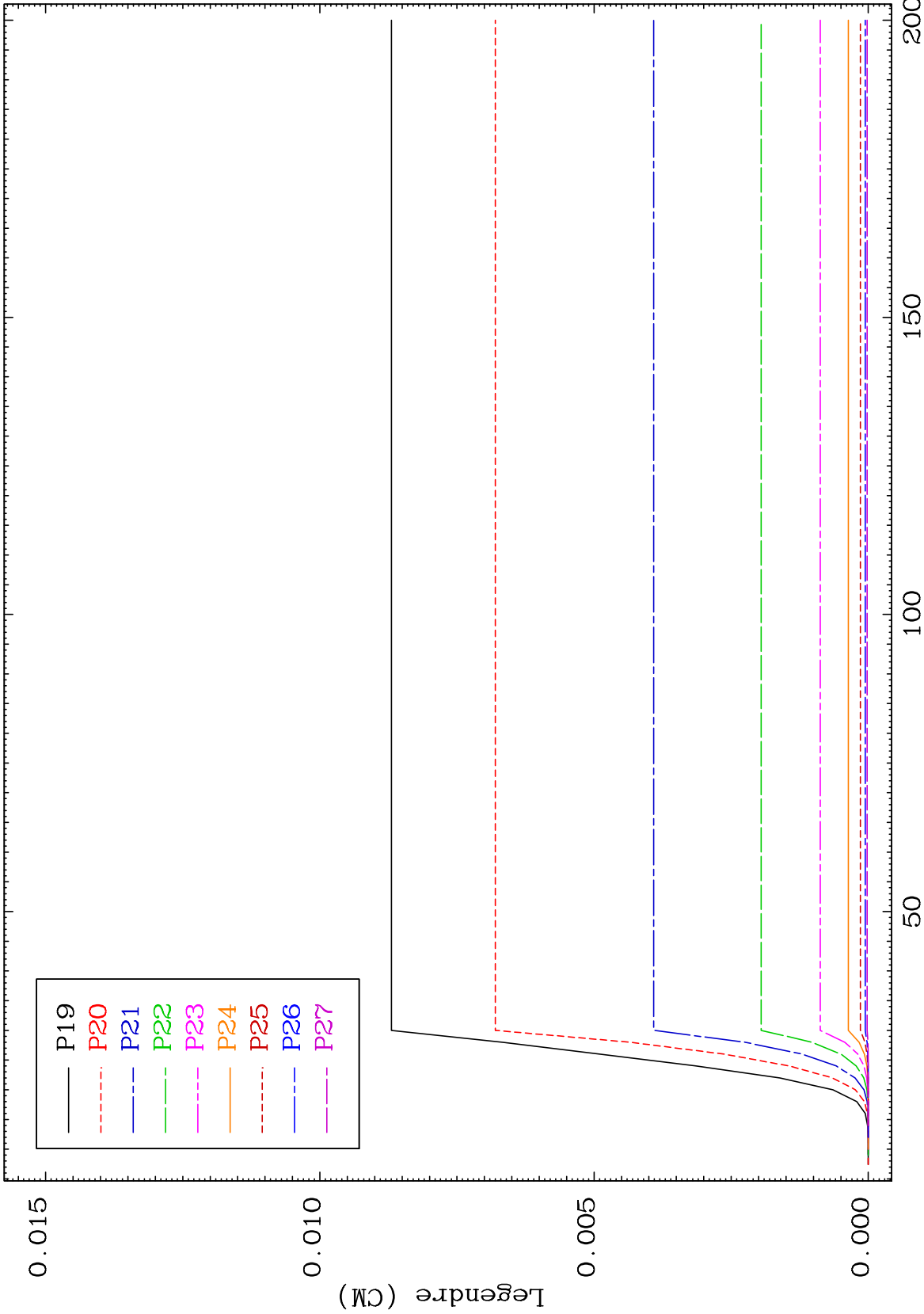
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



104

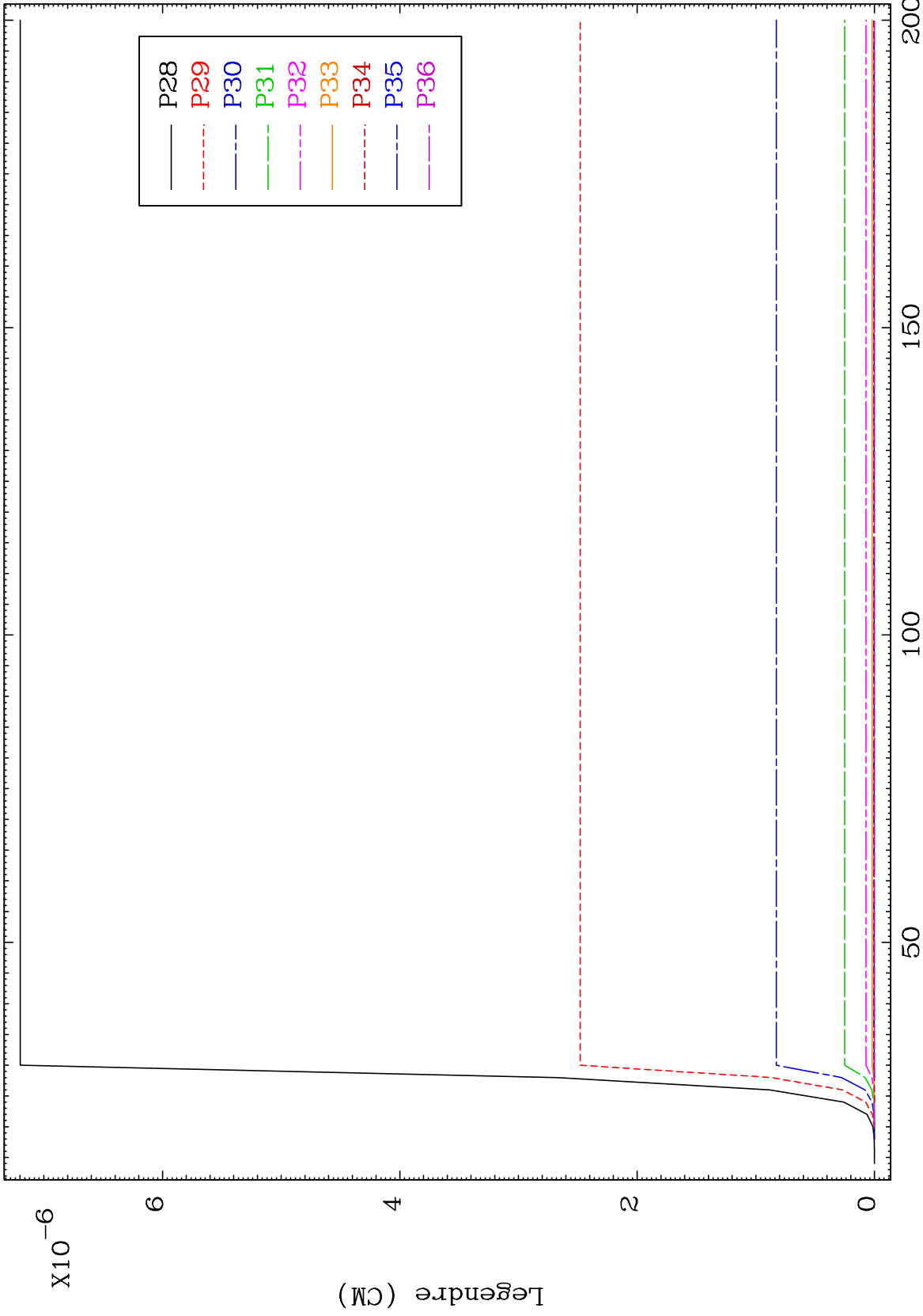
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147

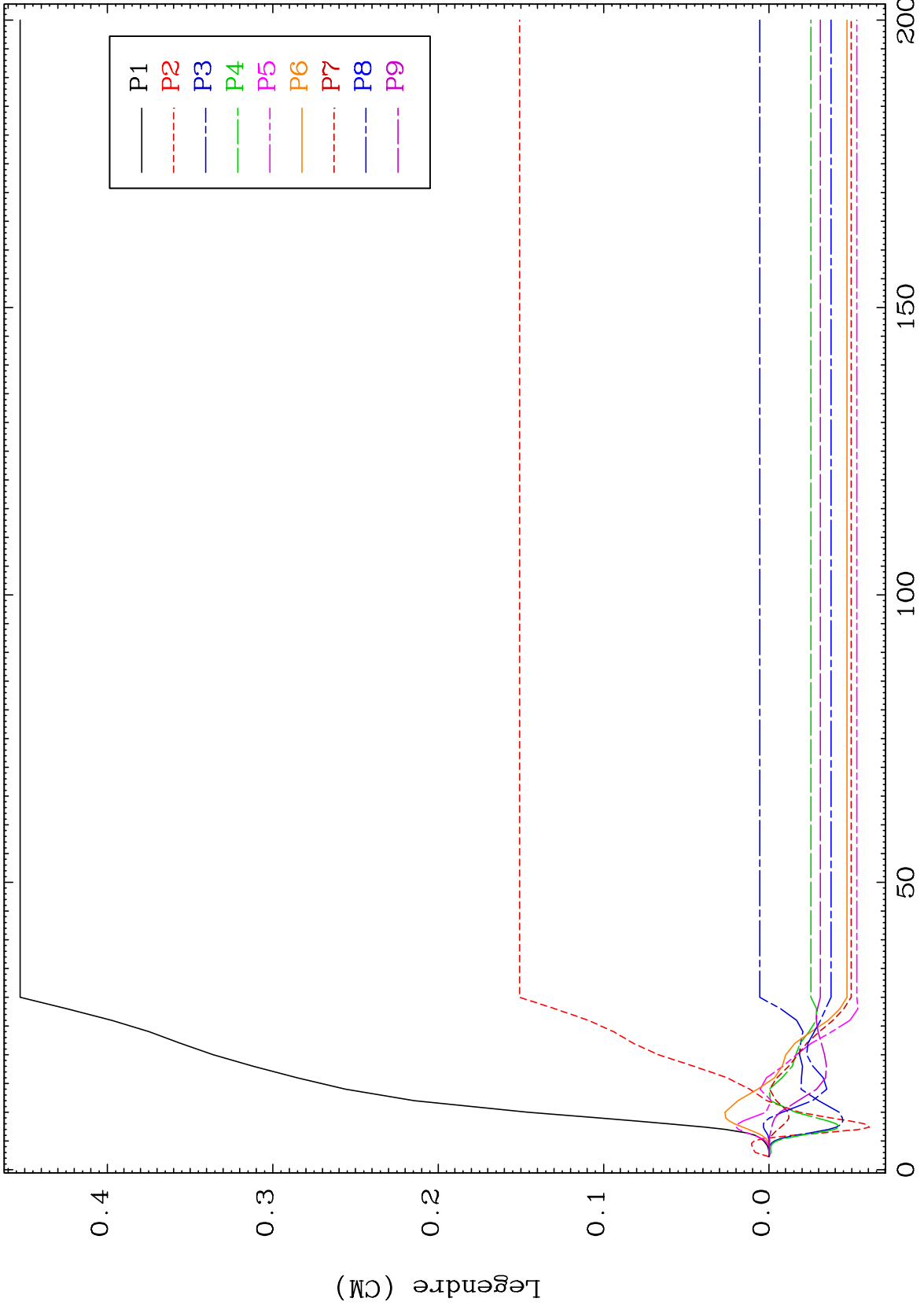


105

Incident Energy (MeV)

64-Gd-147

MAT 6410 MT= 73 (n,n') Level Legendre Coefficients 64-Gd-147

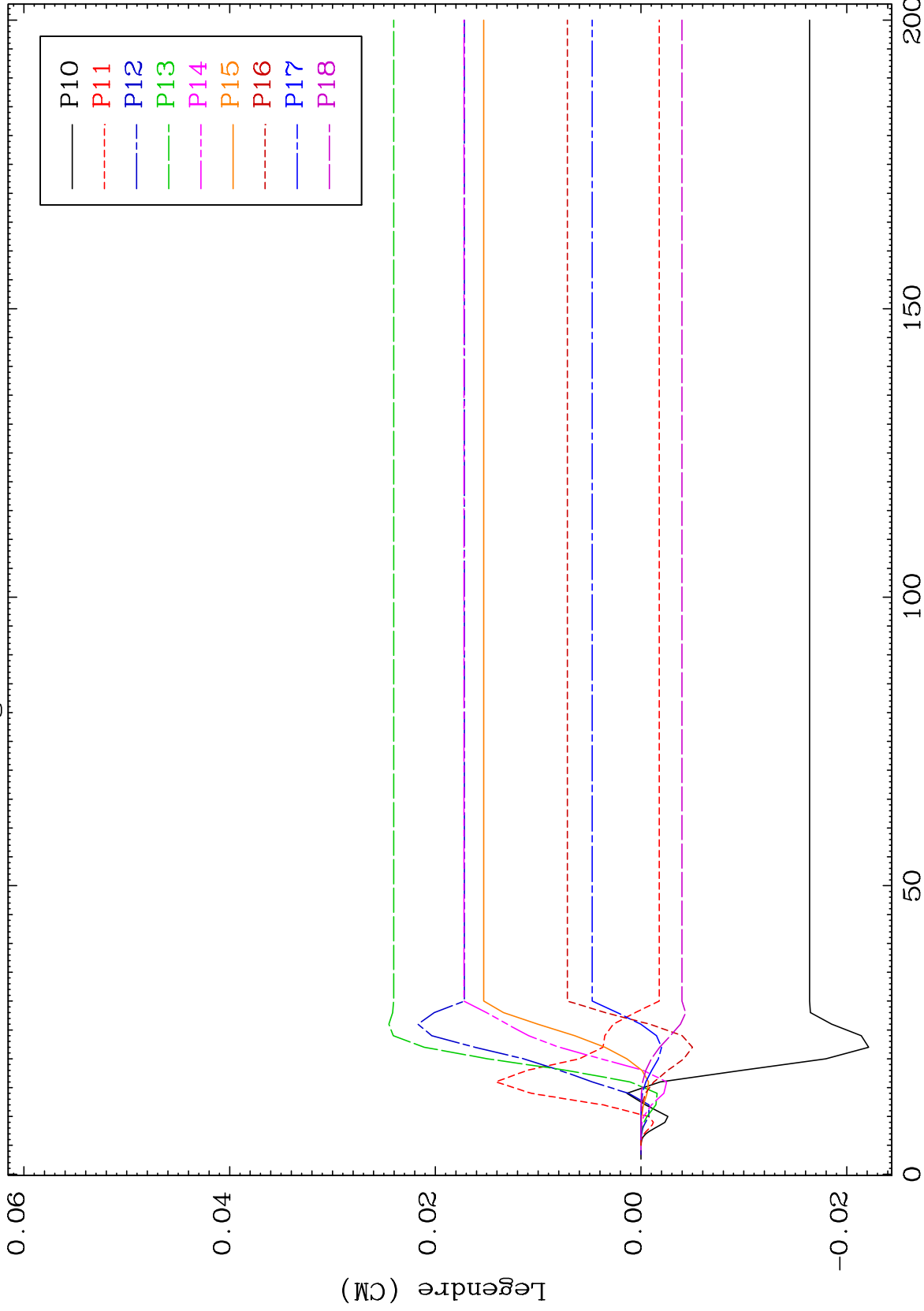


106 64-Gd-147

MAT 6410

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

64-Gd-147



107

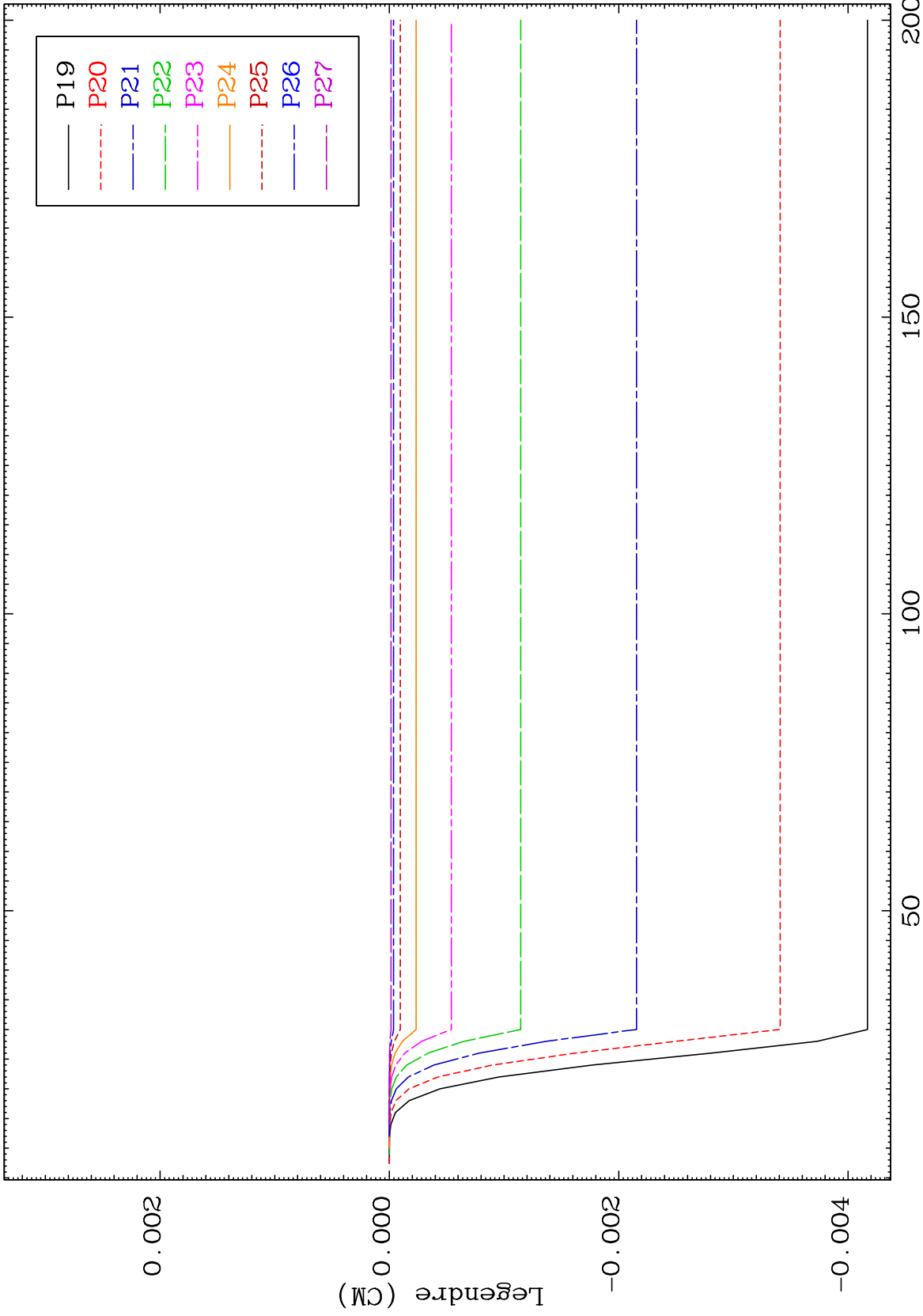
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



108

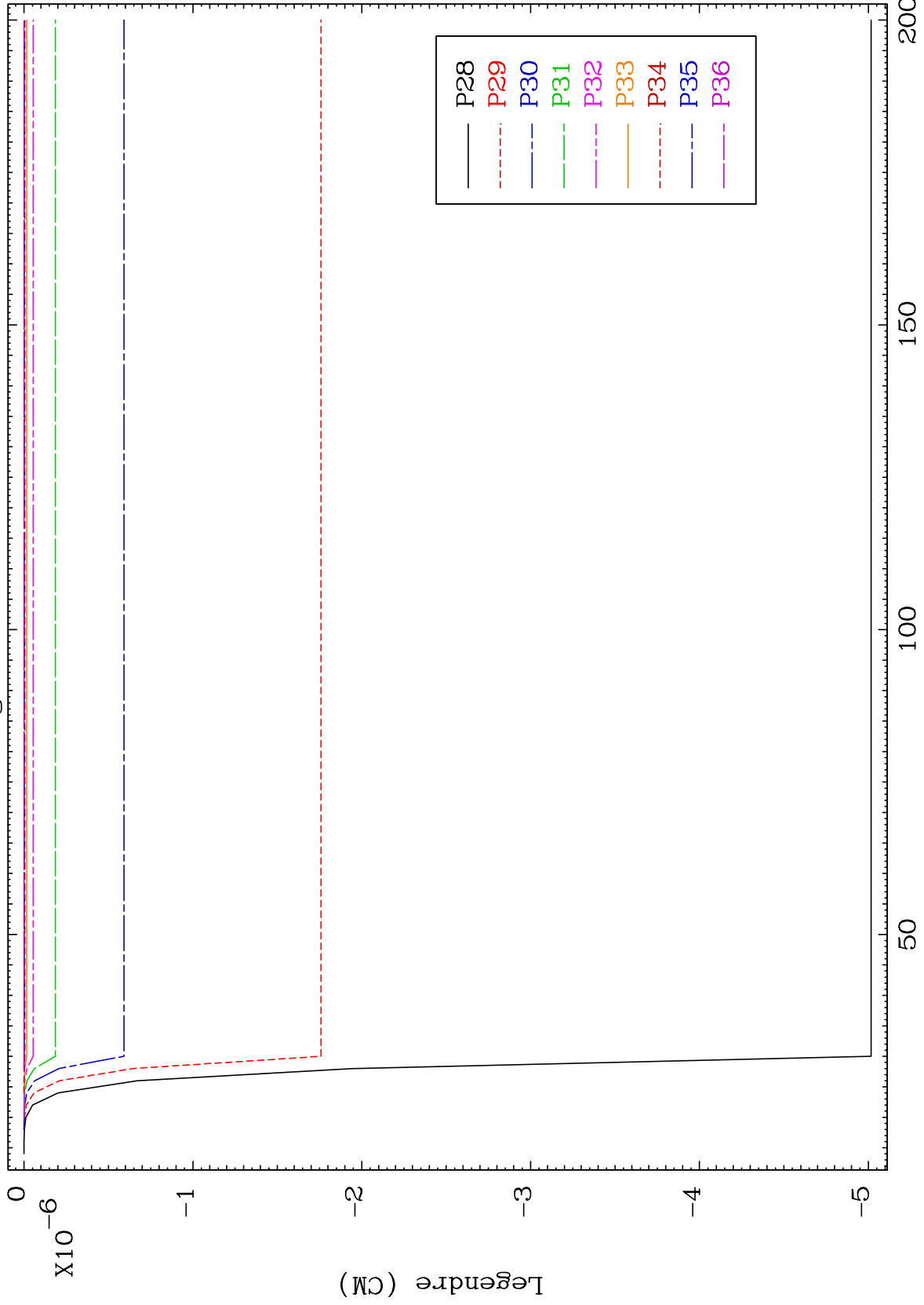
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

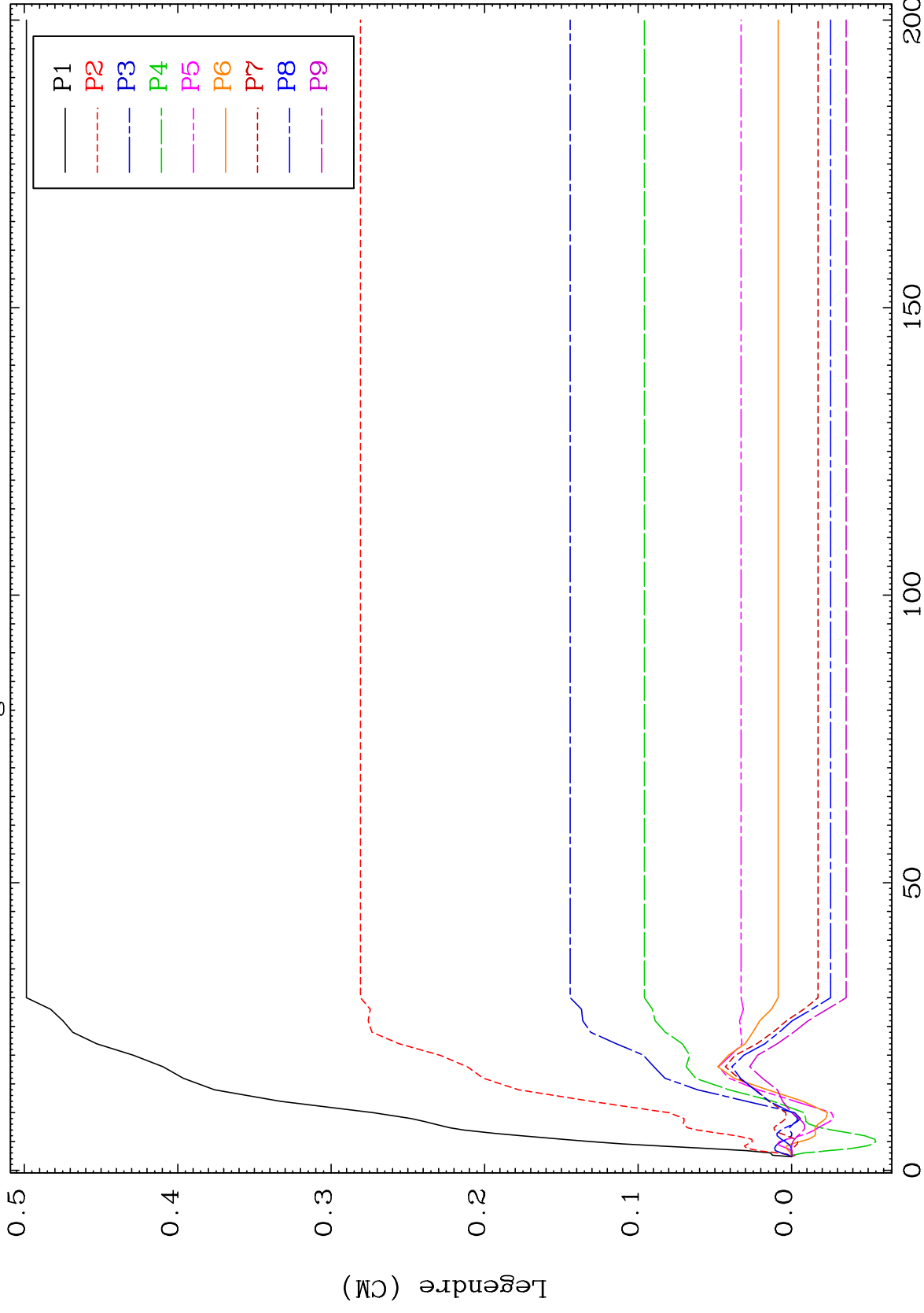
Incident Energy (MeV)

109

MAT 6410

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

64-Gd-147



64-Gd-147

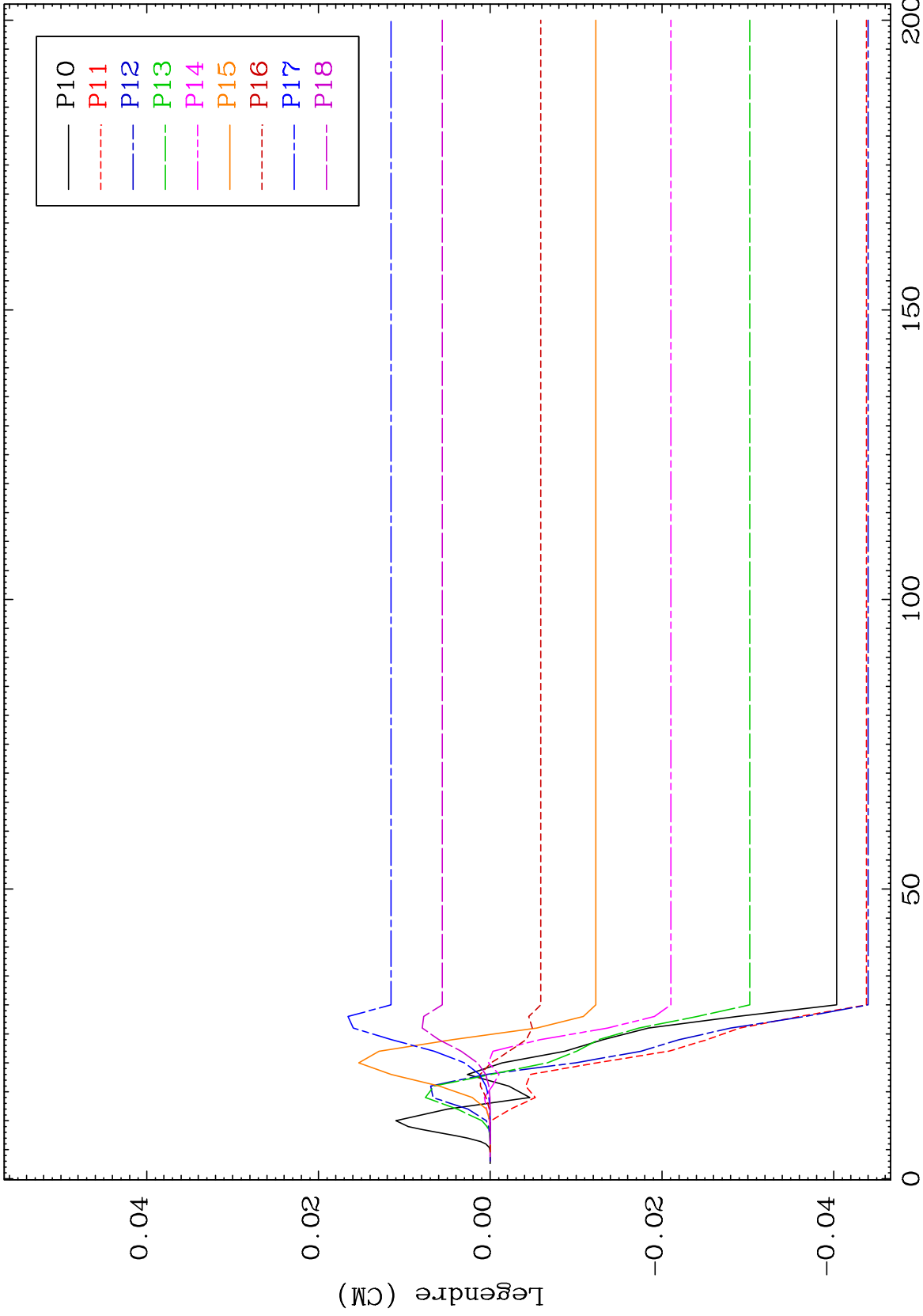
Incident Energy (MeV)

110

MAT 6410

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

64-Gd-147



111

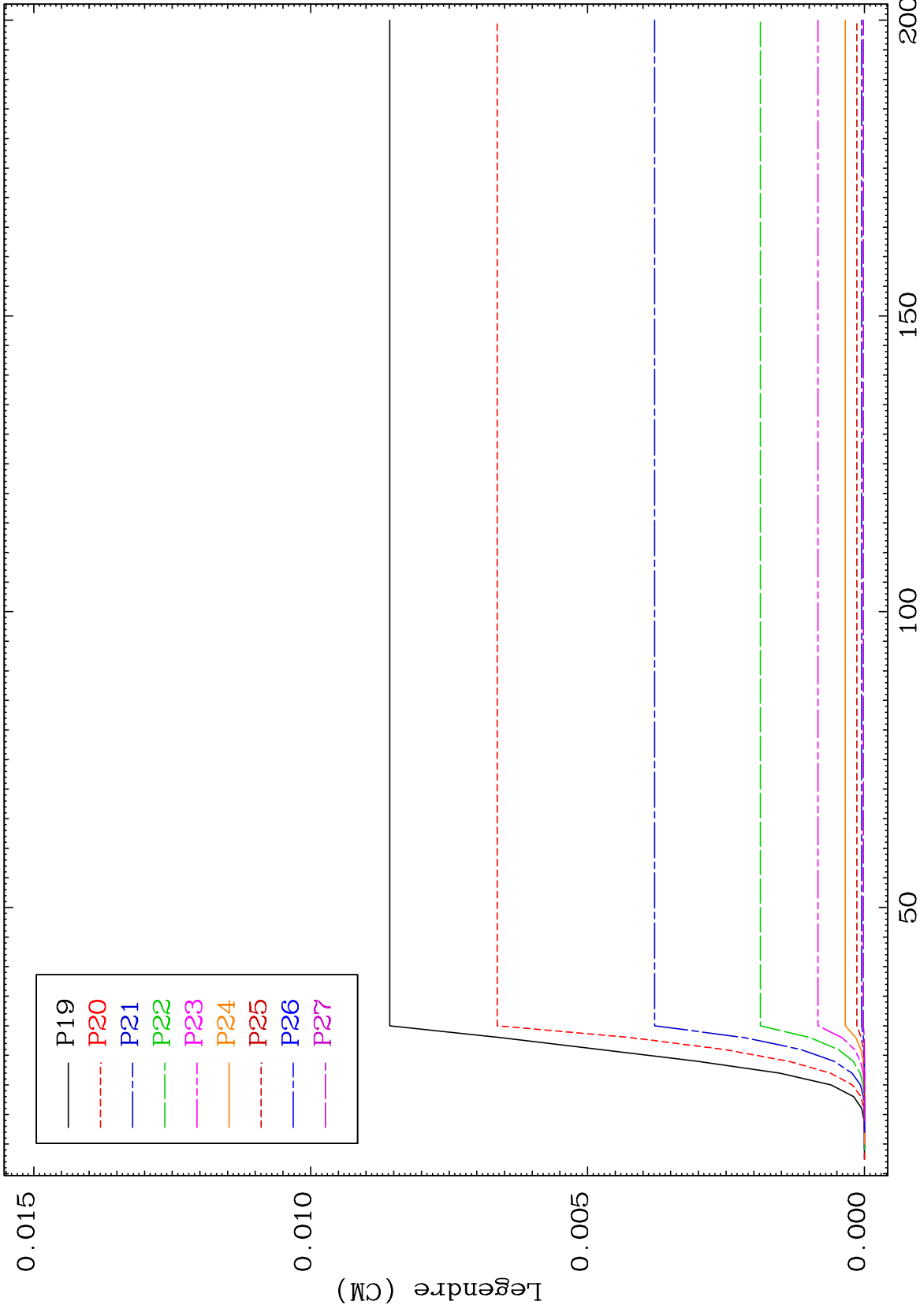
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



112

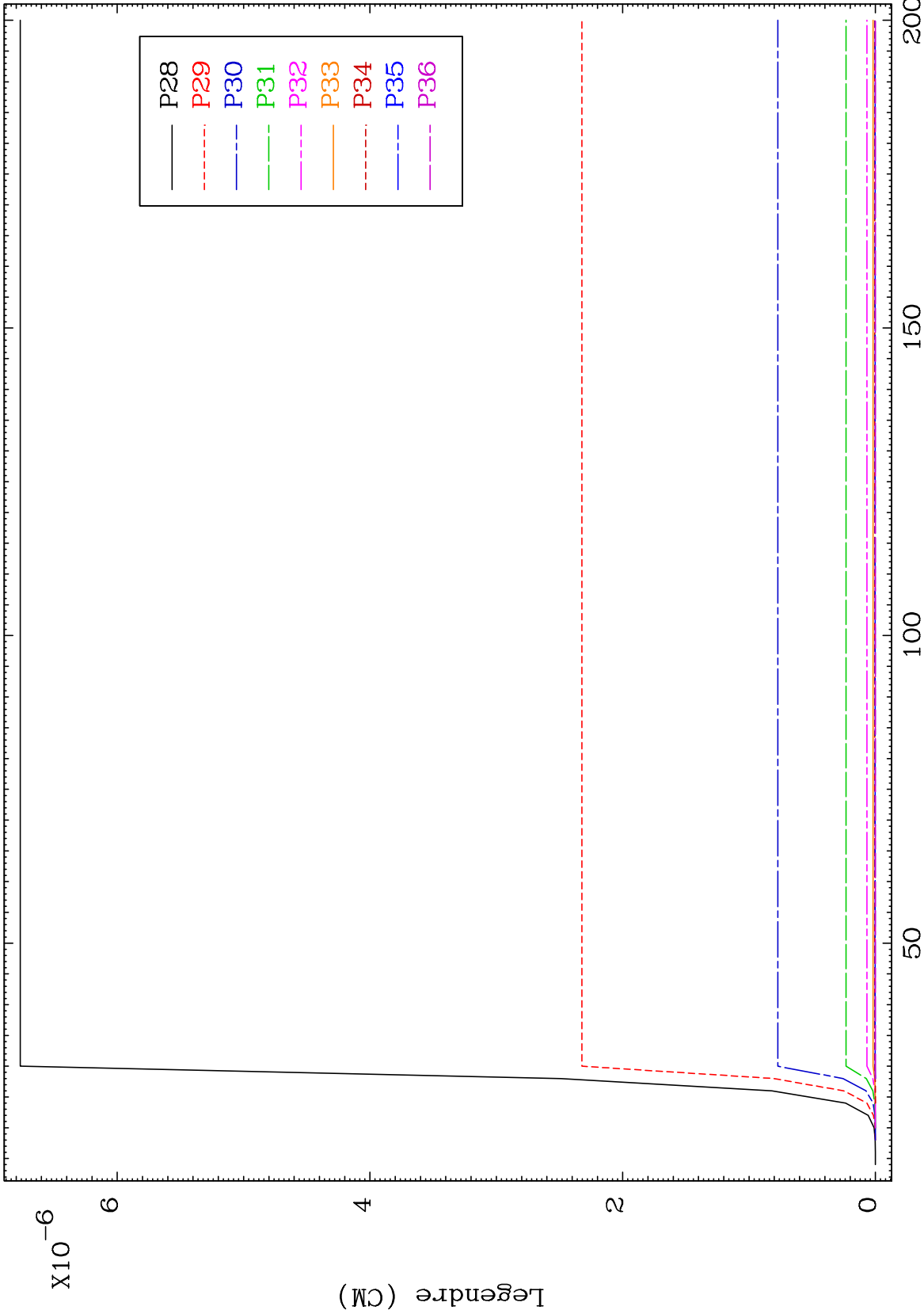
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



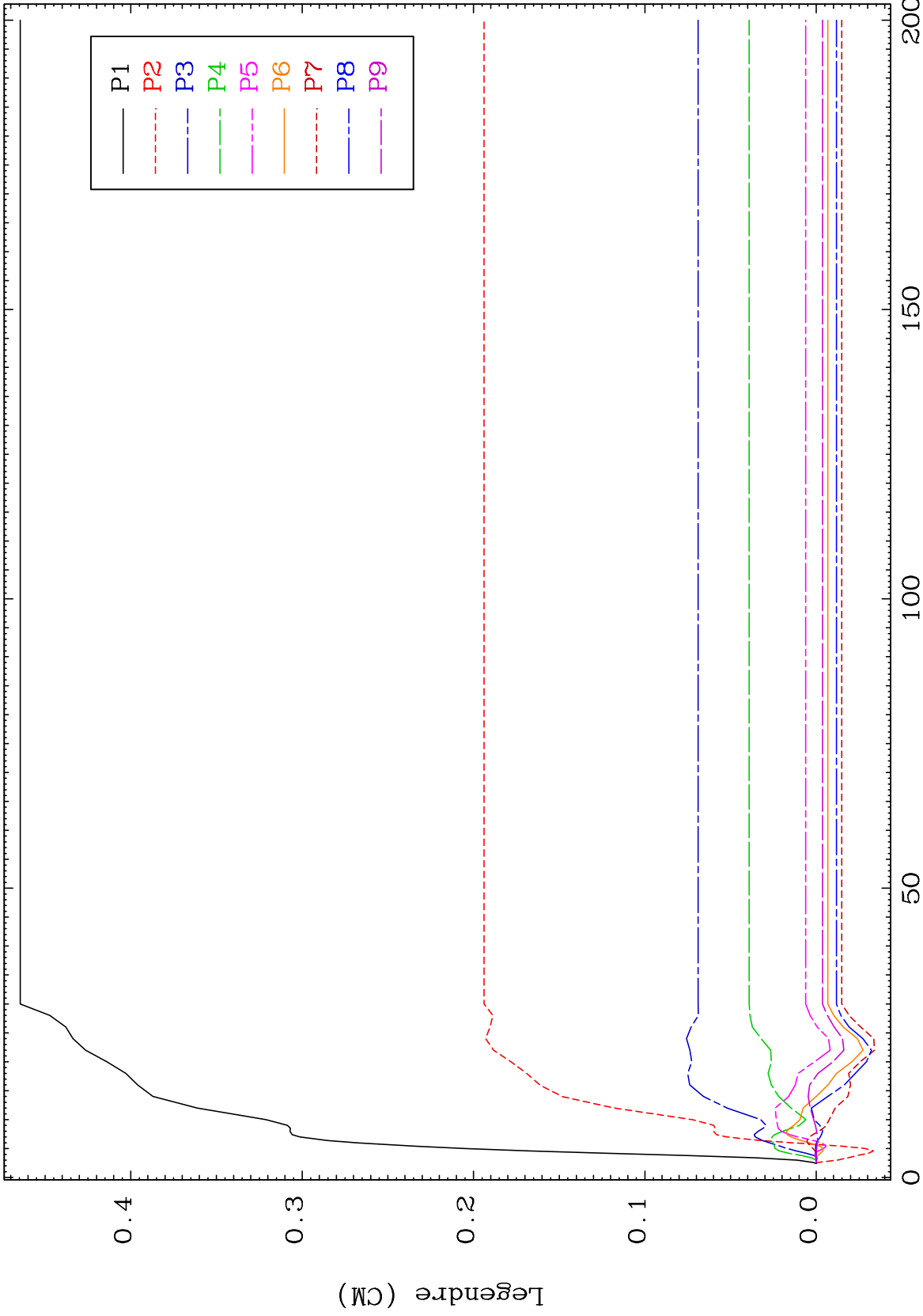
113

64-Gd-147

MAT 6410

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

64-Gd-147

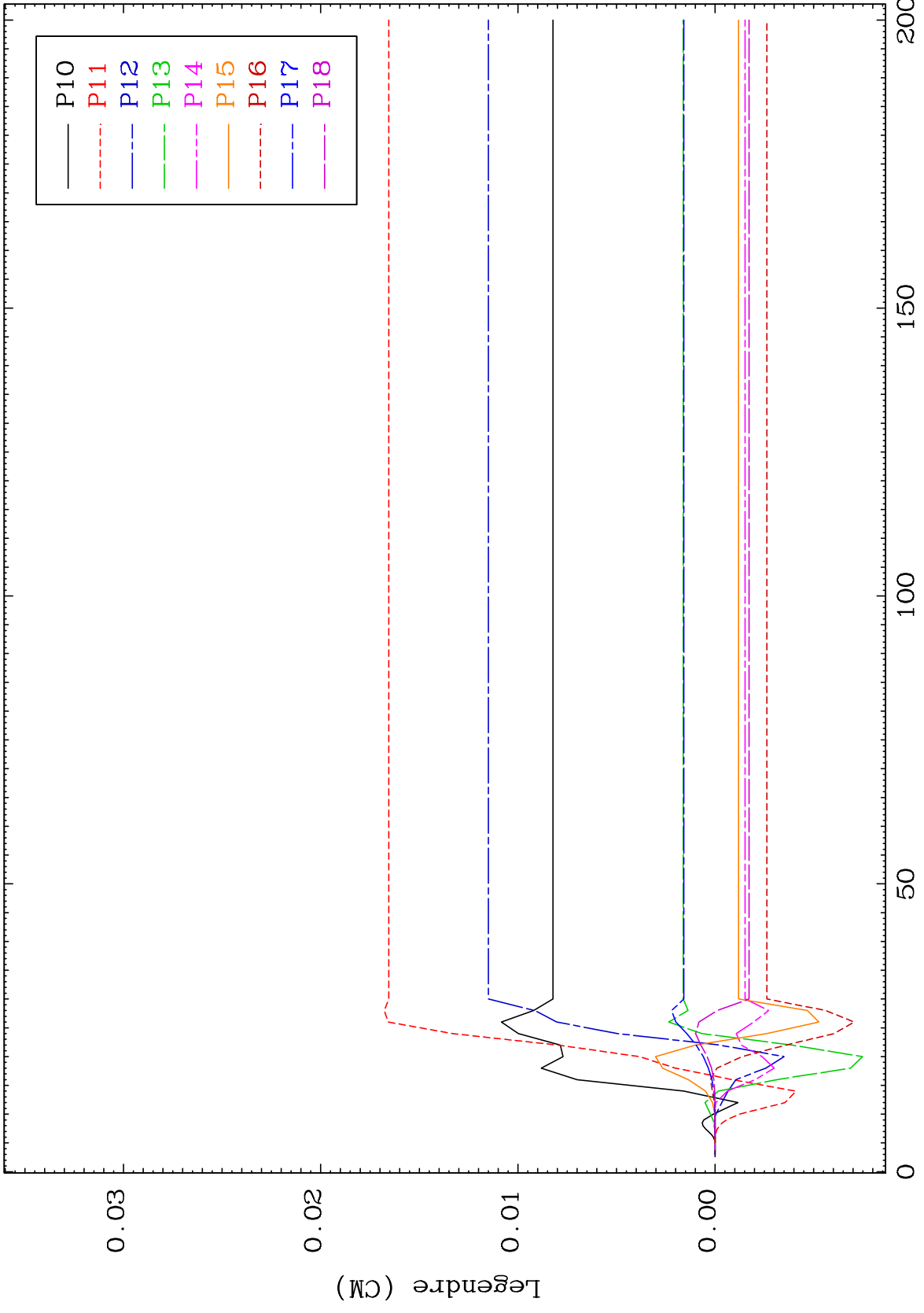


114

Incident Energy (MeV)

64-Gd-147

MAT 6410 MT= 75 (n,n') Level Legendre Coefficients 64-Gd-147

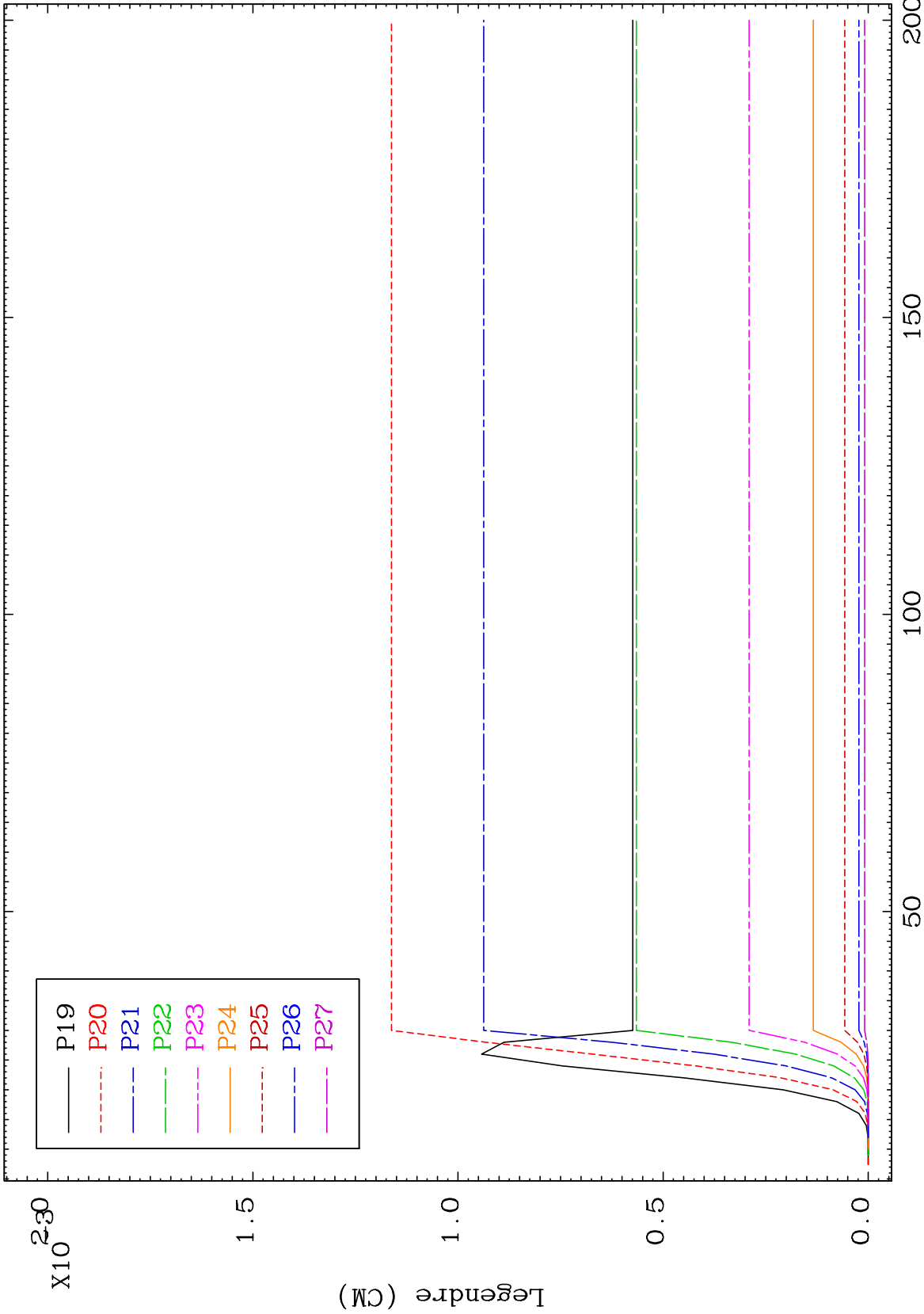


115 64-Gd-147

MAT 6410

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

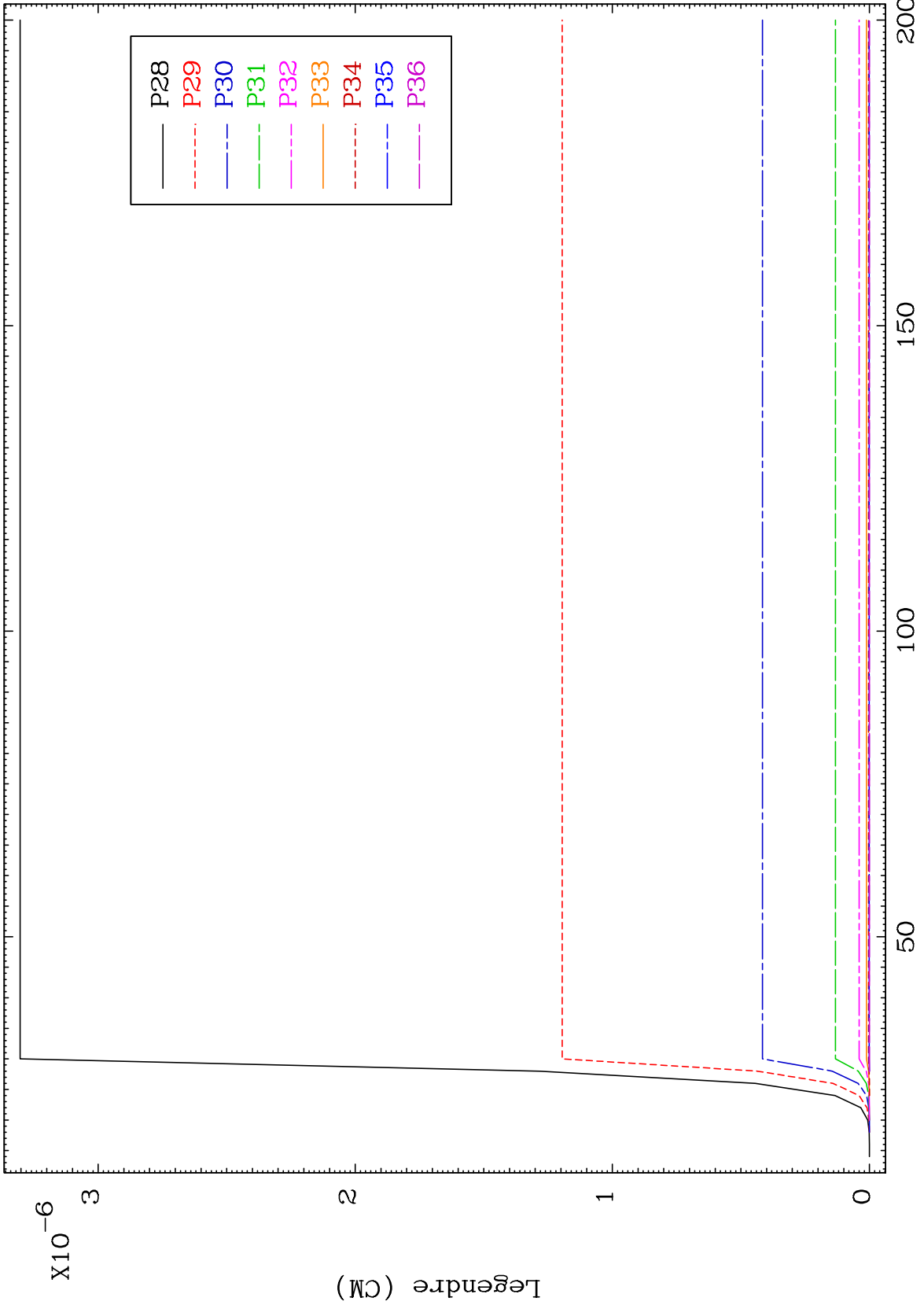
64-Gd-147



MAT 6410

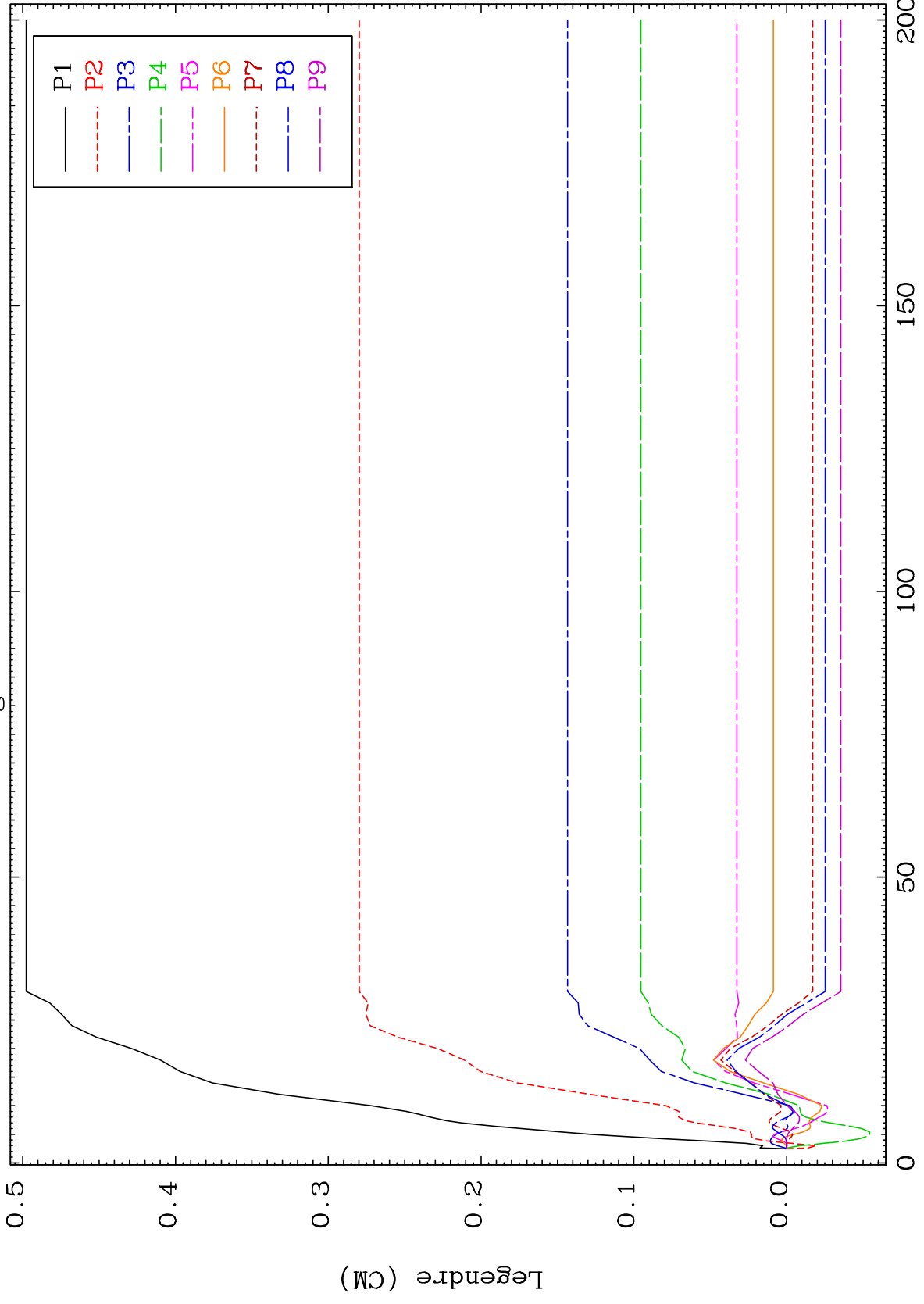
MT= 75 (n,n') Level
Legendre Coefficients

64-Gd-147



117

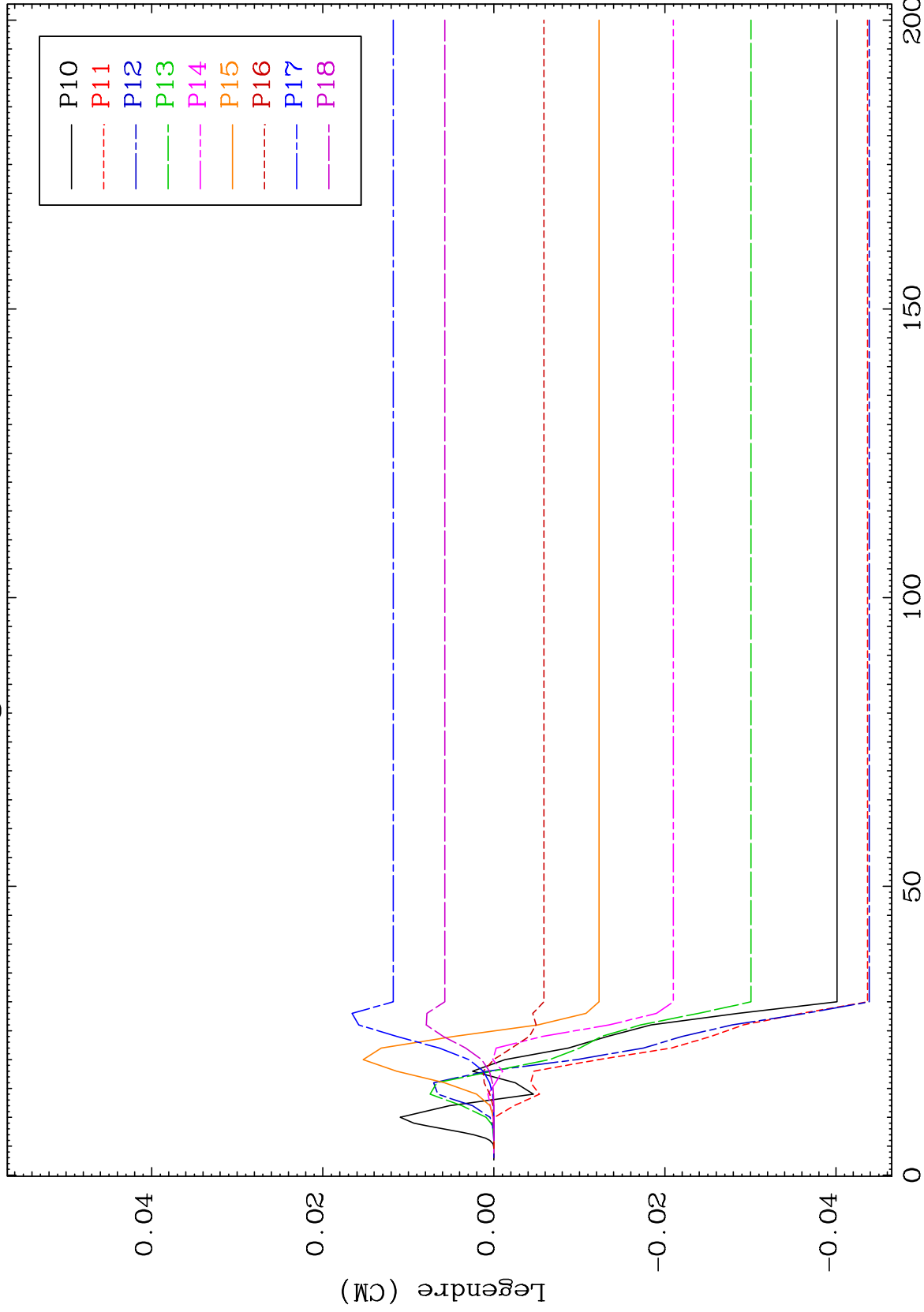
64-Gd-147



MAT 6410

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

64-Gd-147



119

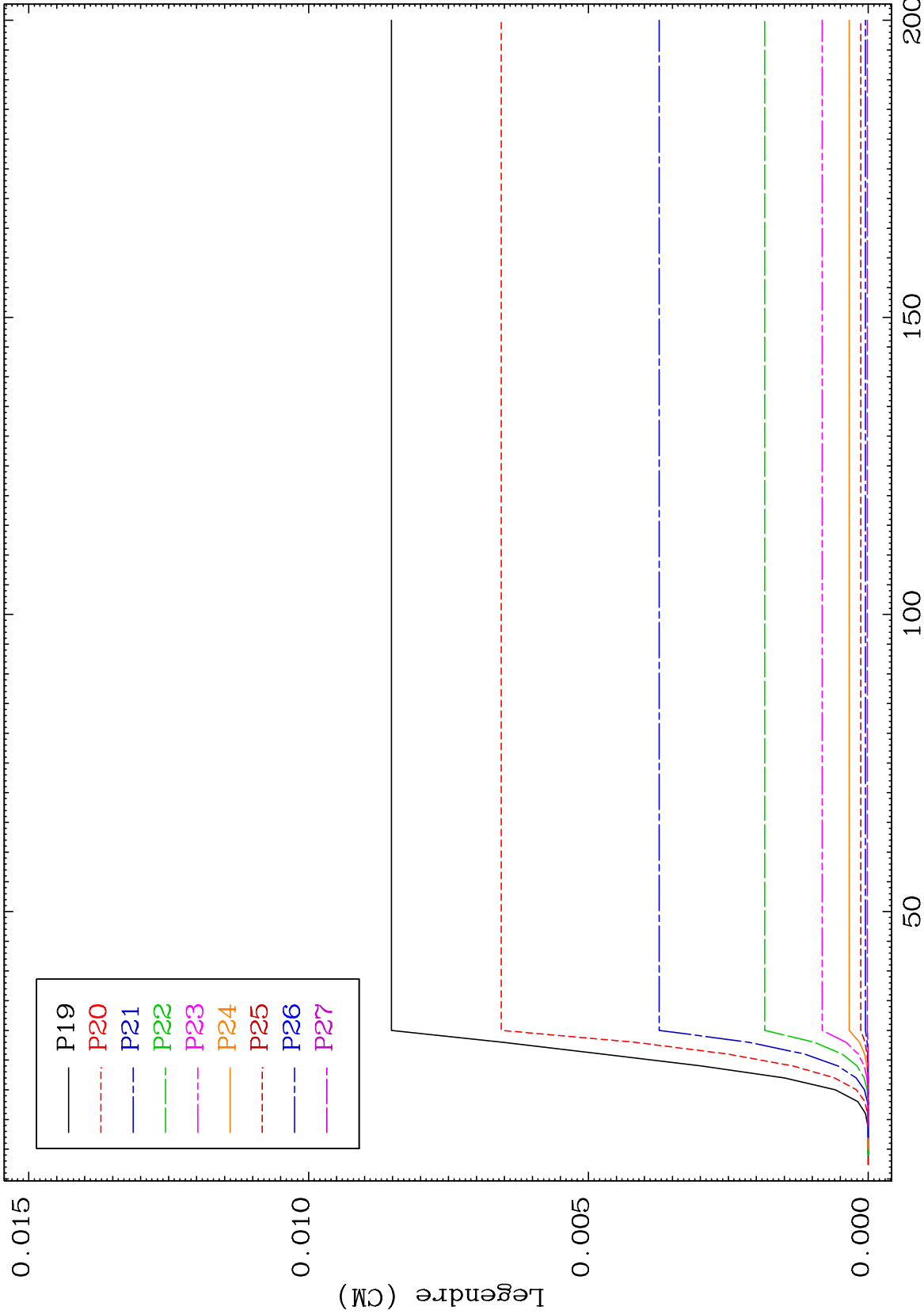
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



120

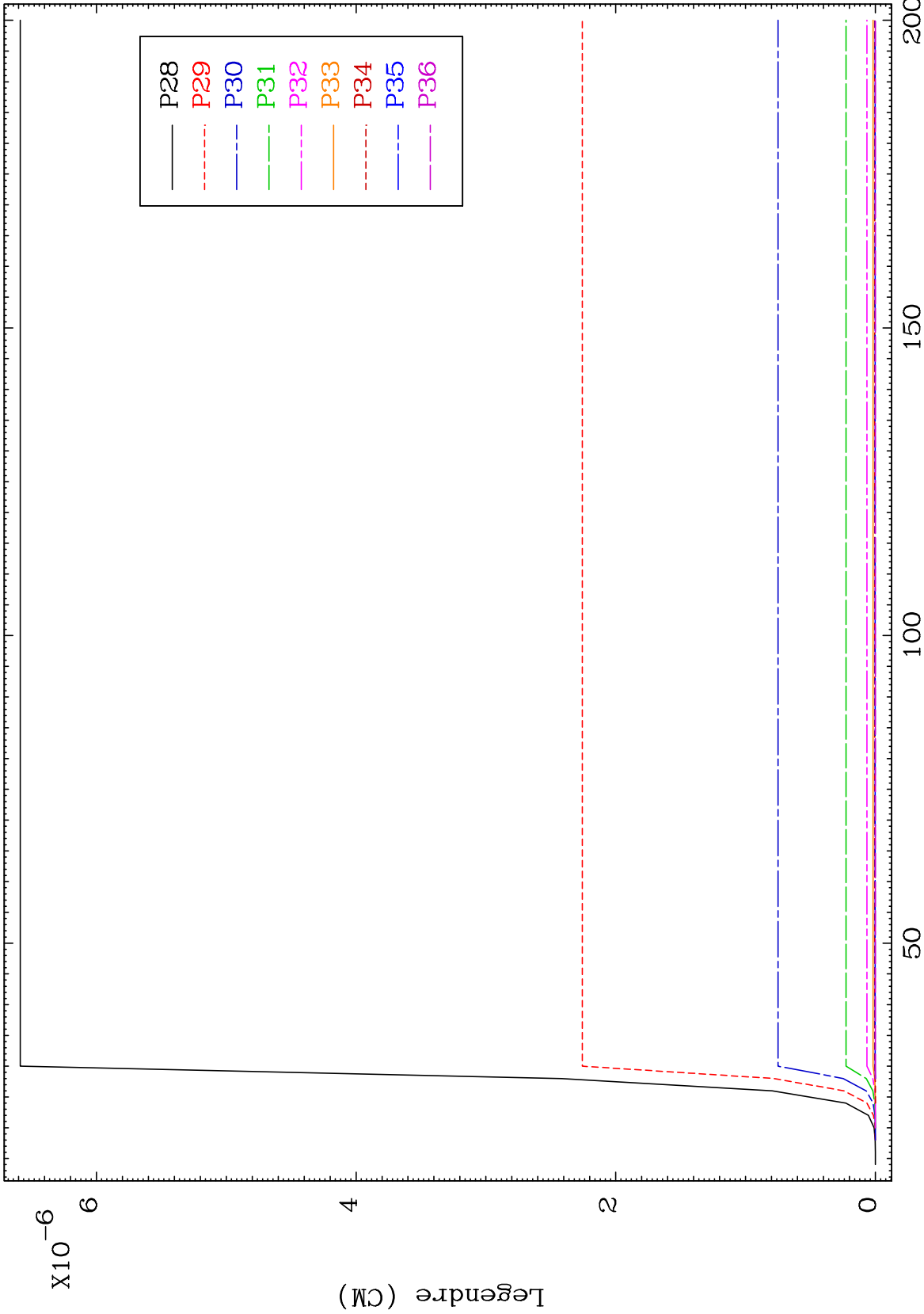
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



121

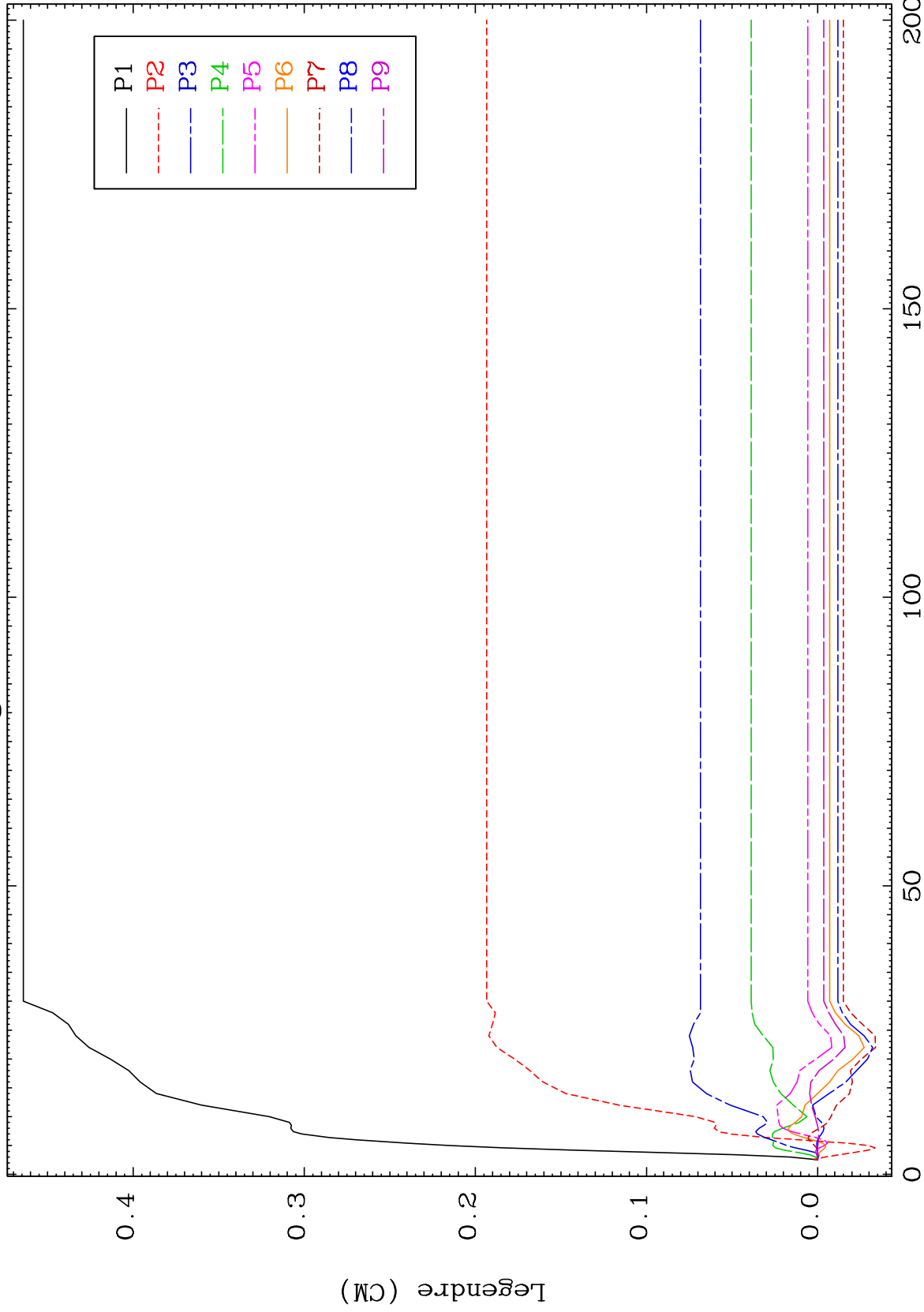
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147

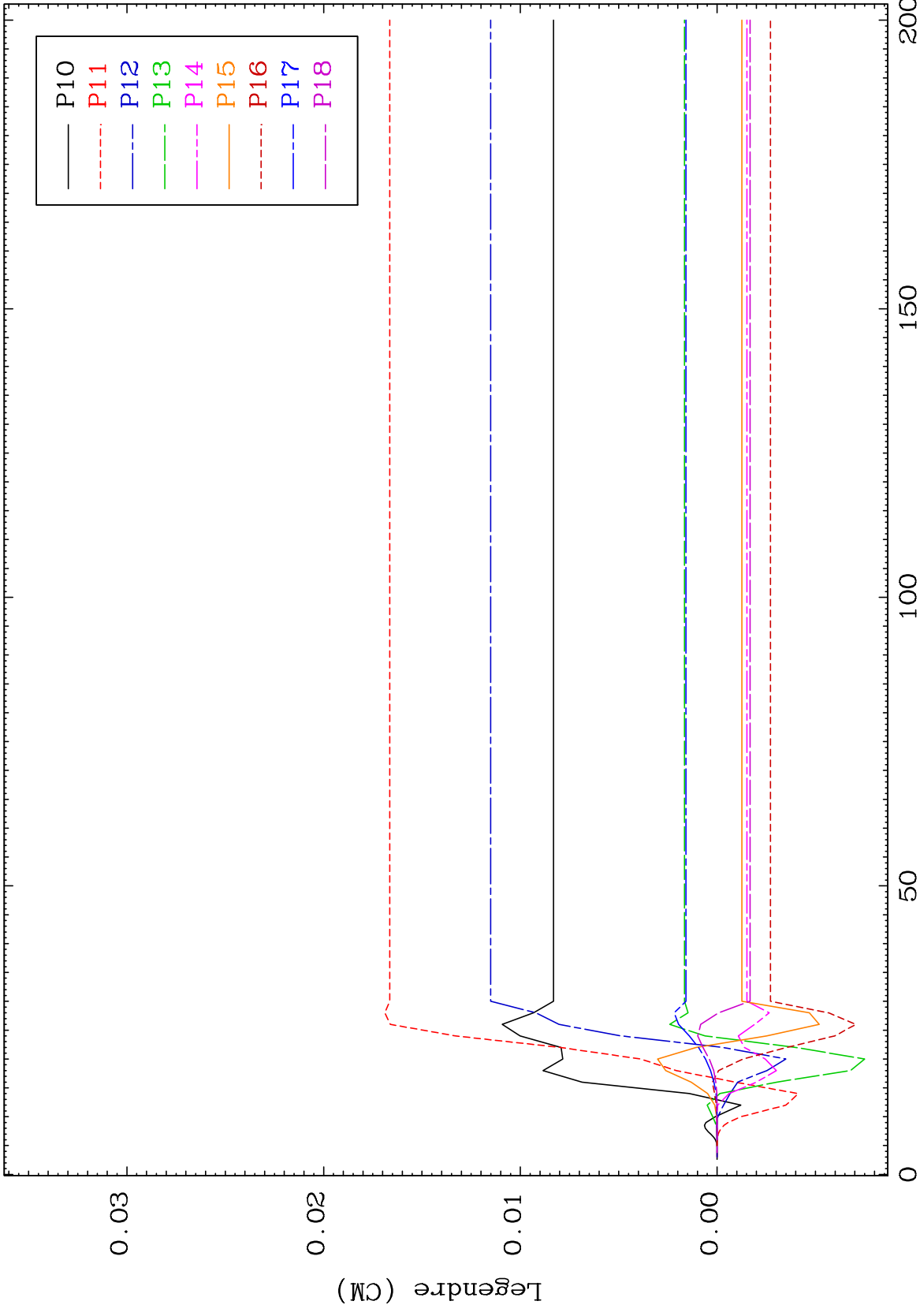


122

Incident Energy (MeV)

64-Gd-147

MAT 6410 MT= 77 (n,n') Level Legendre Coefficients 64-Gd-147

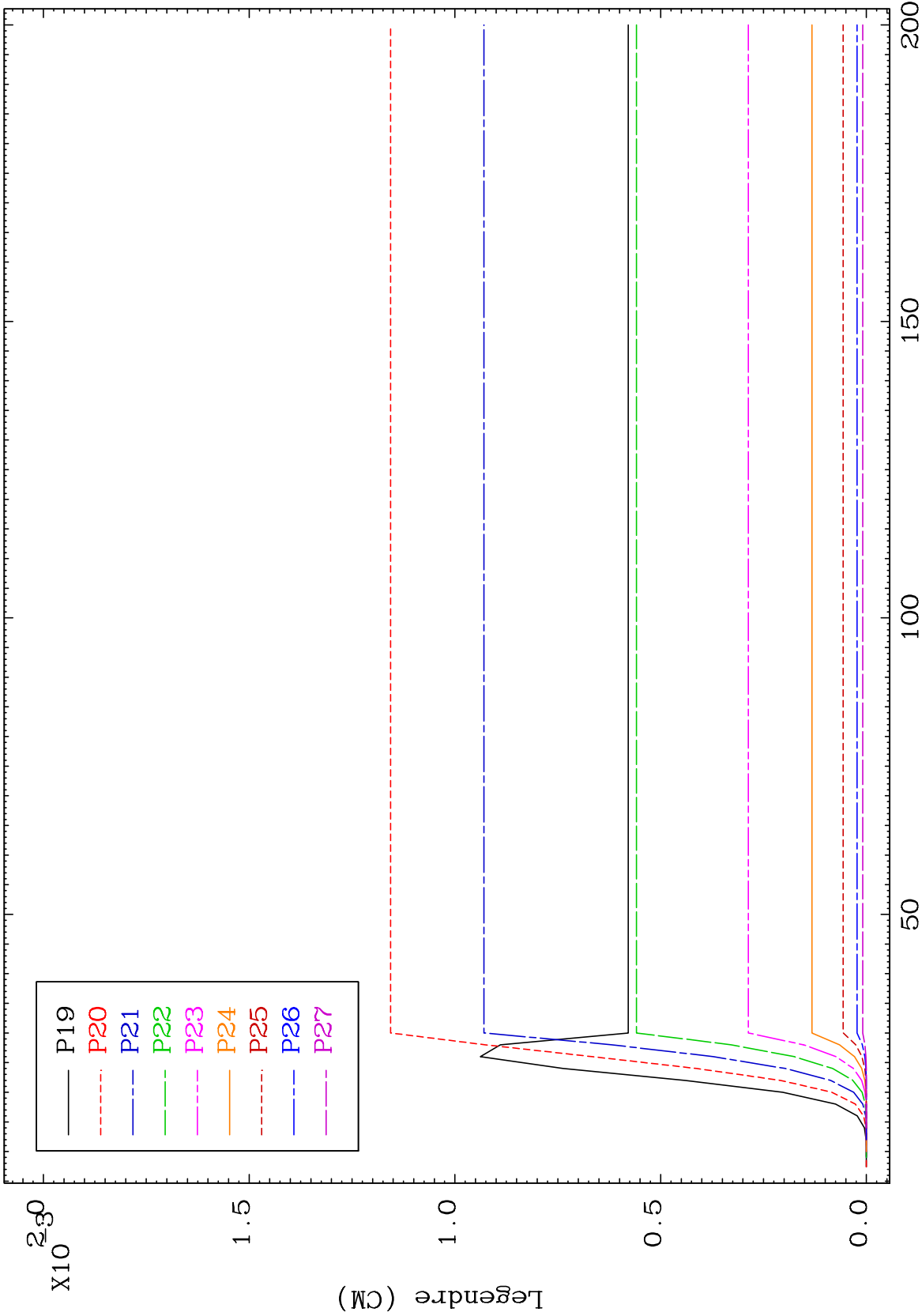


123 64-Gd-147

MAT 6410

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

64-Gd-147



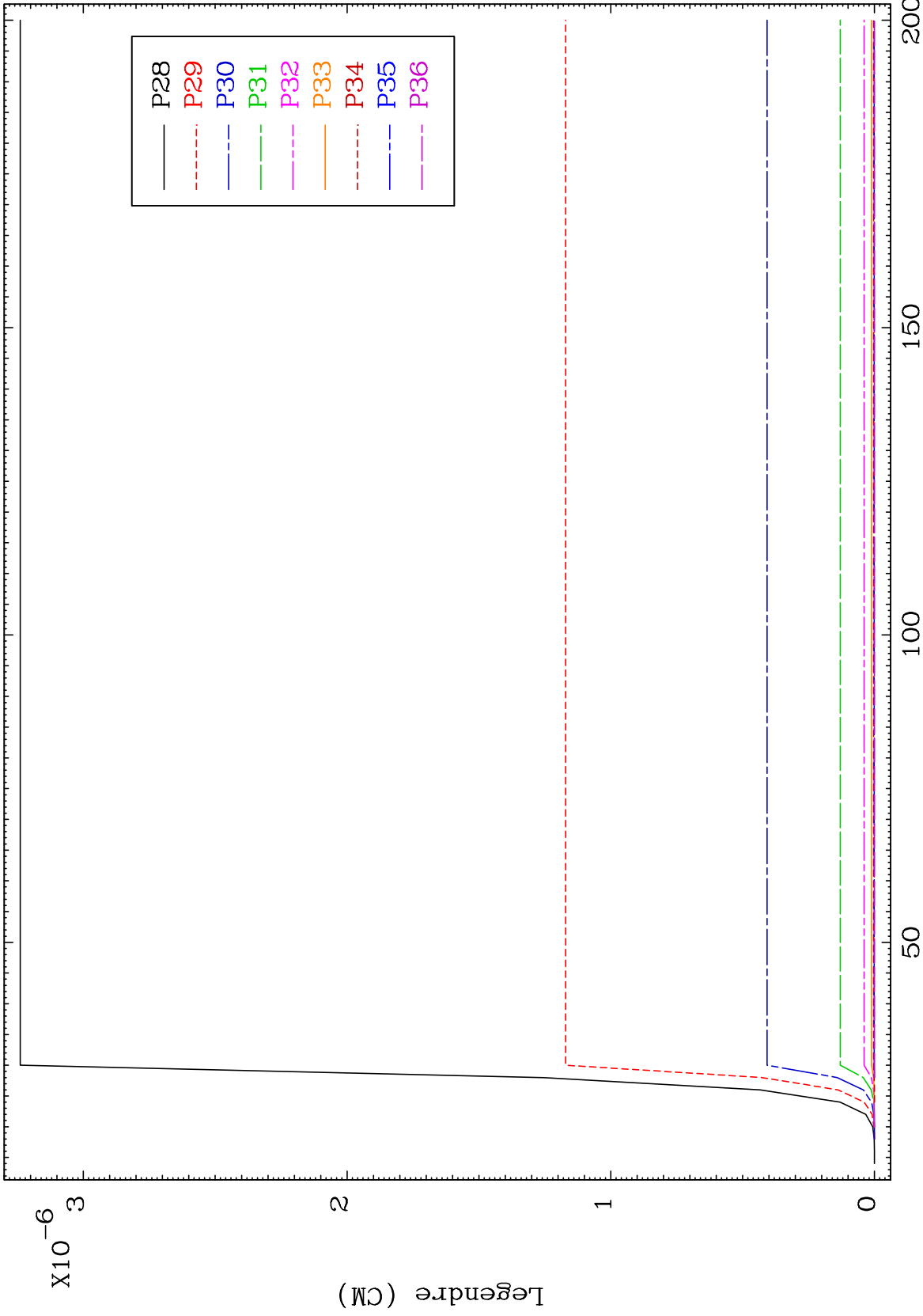
124

64-Gd-147

MAT 6410

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

64-Gd-147



125

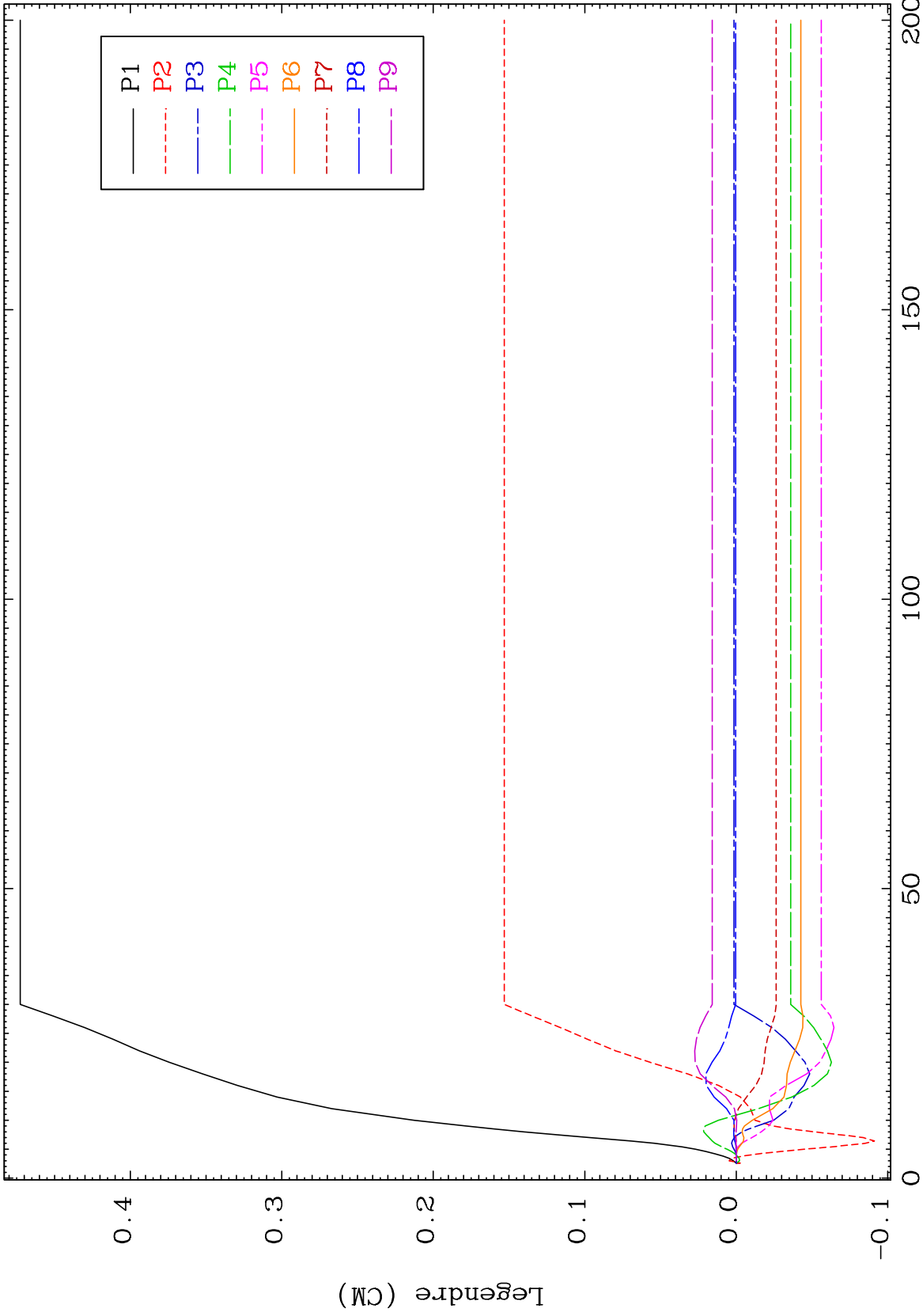
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



126

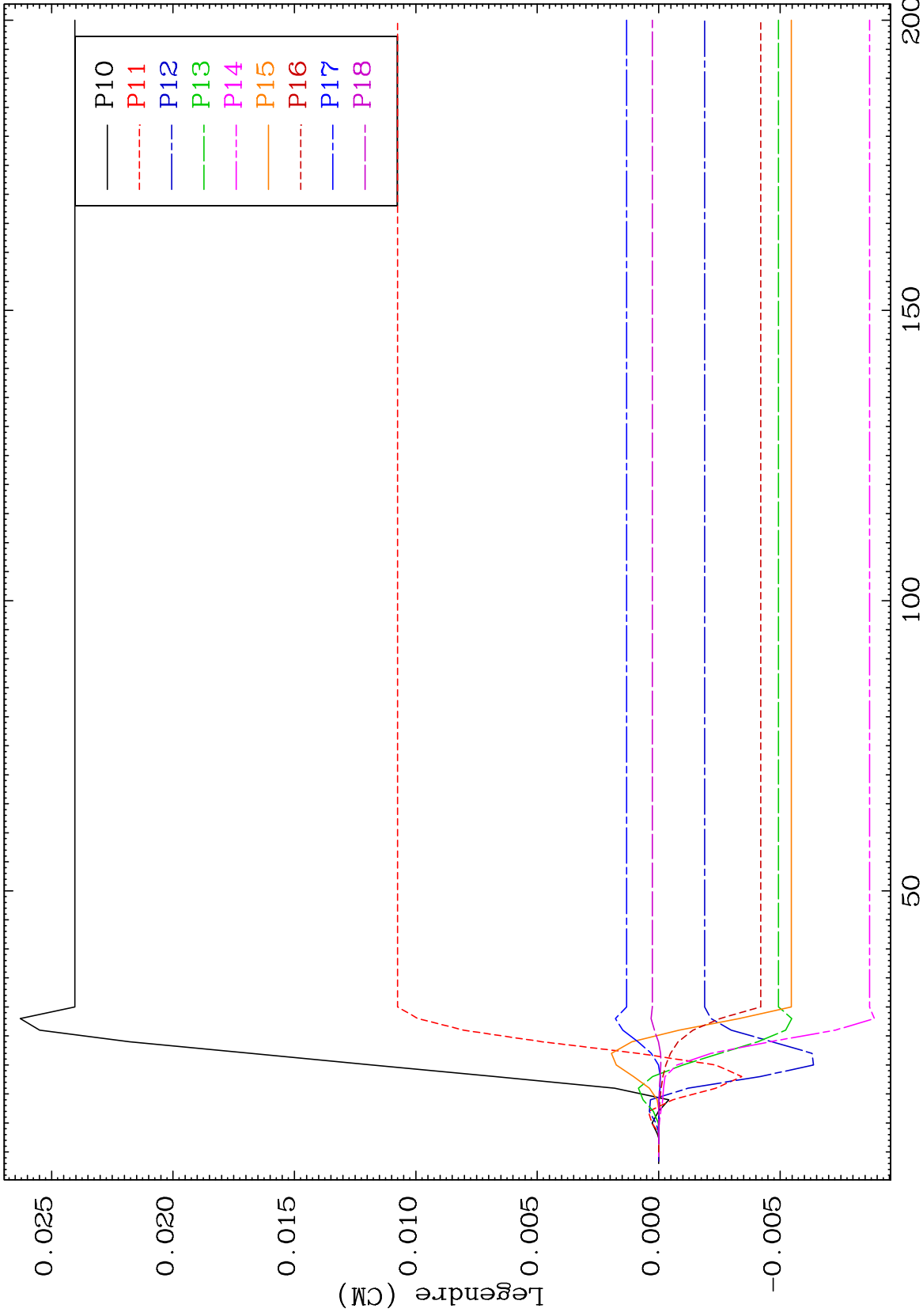
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



127

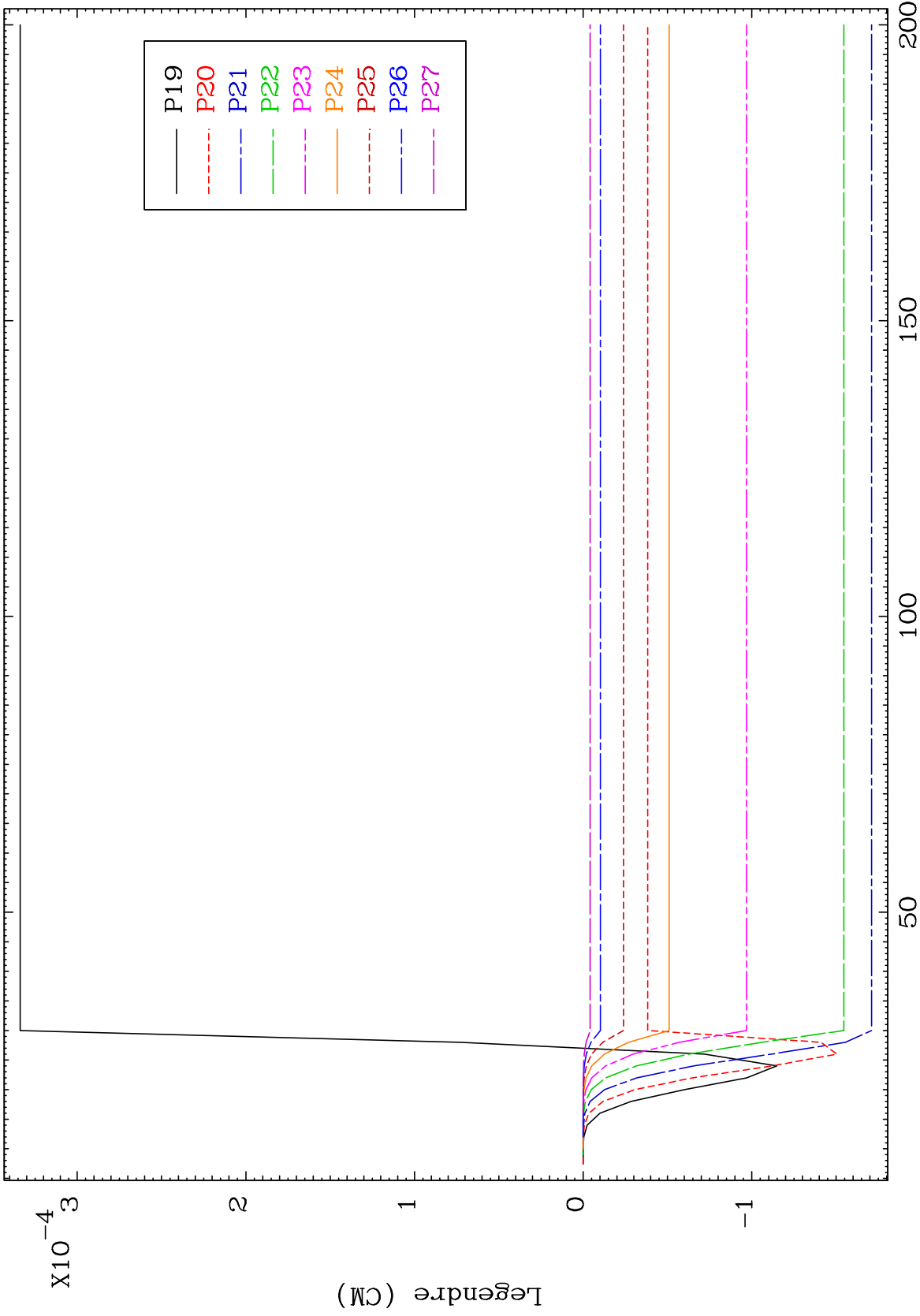
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



128

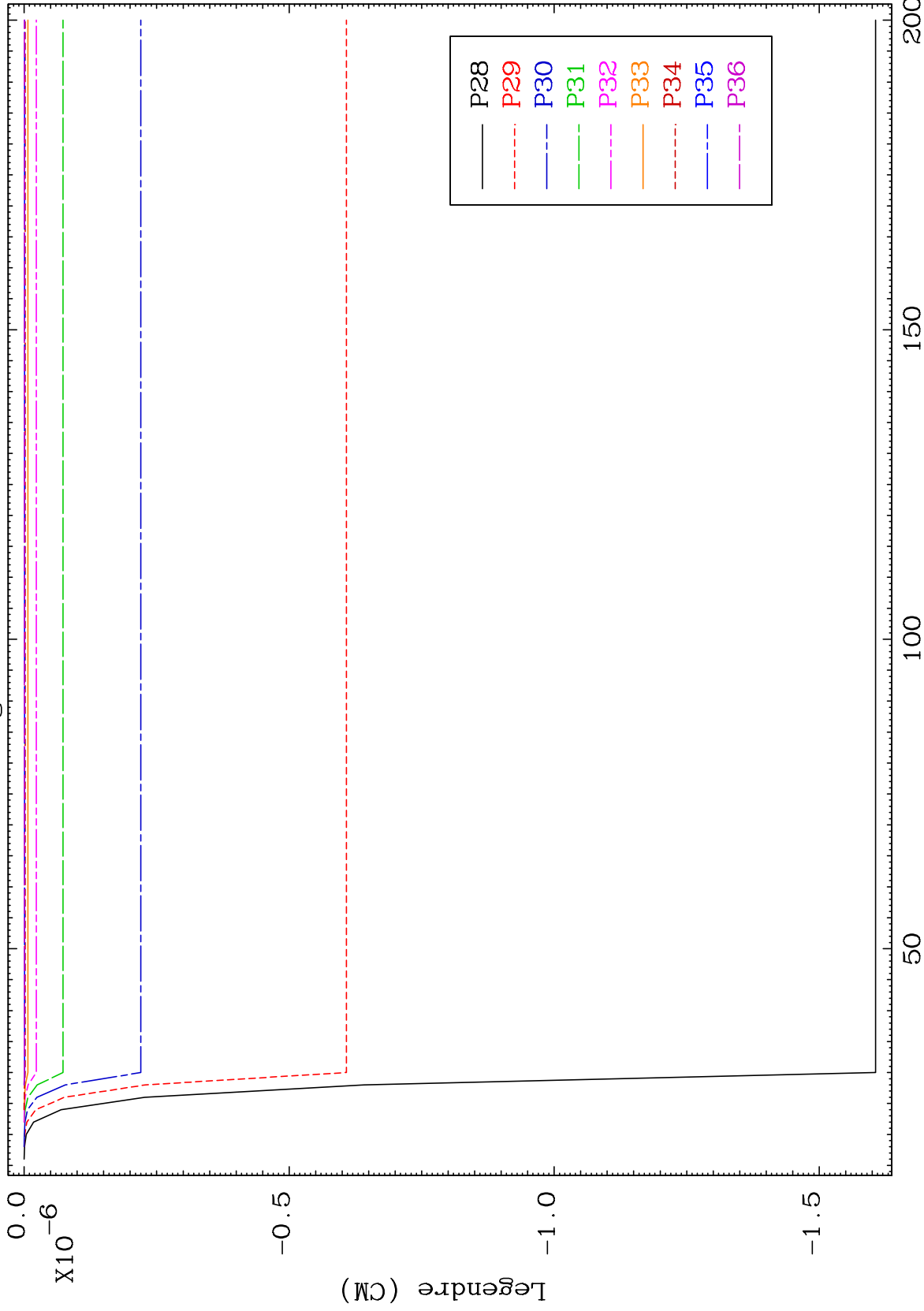
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

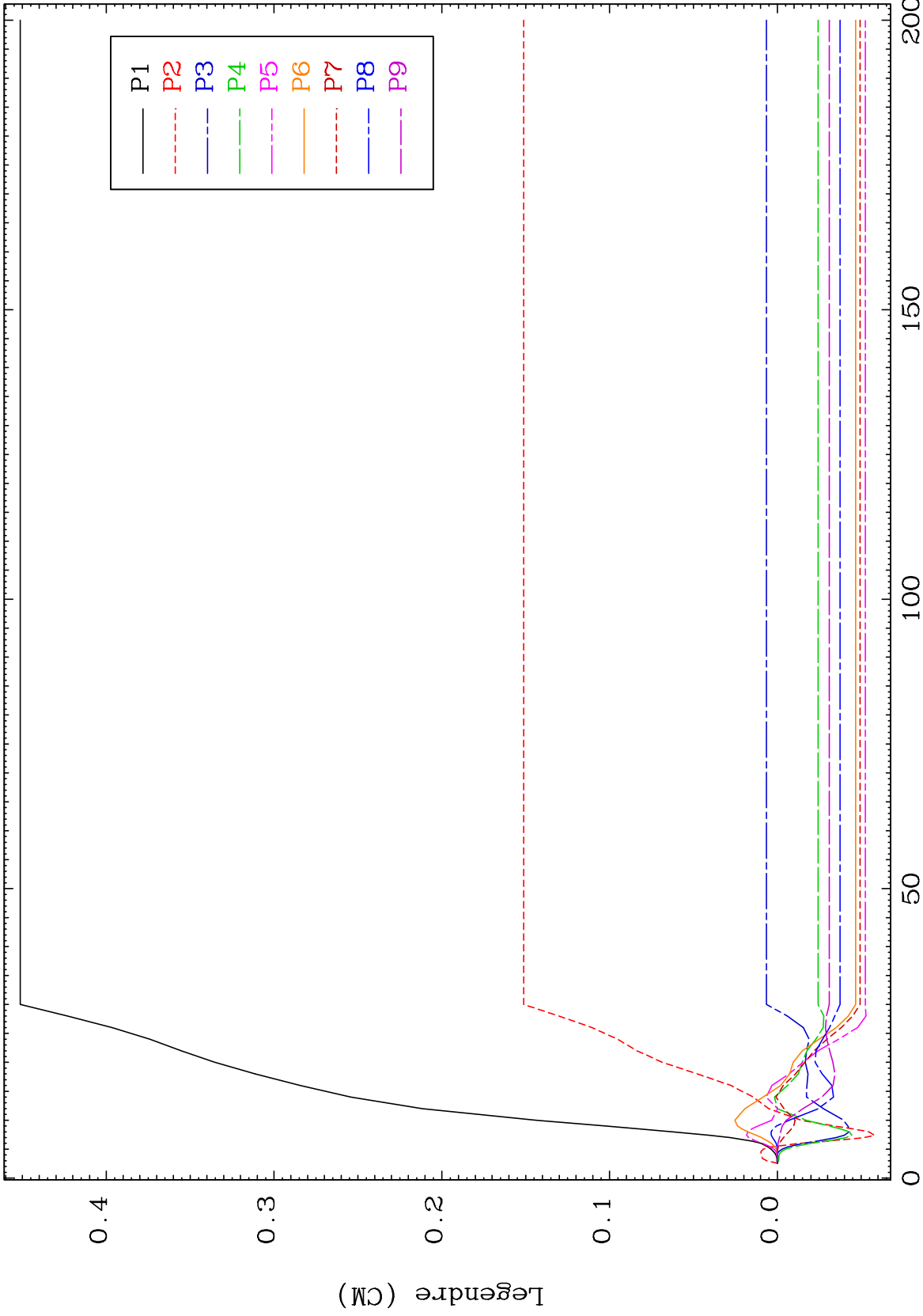
Incident Energy (MeV)

129

MAT 6410

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

64-Gd-147

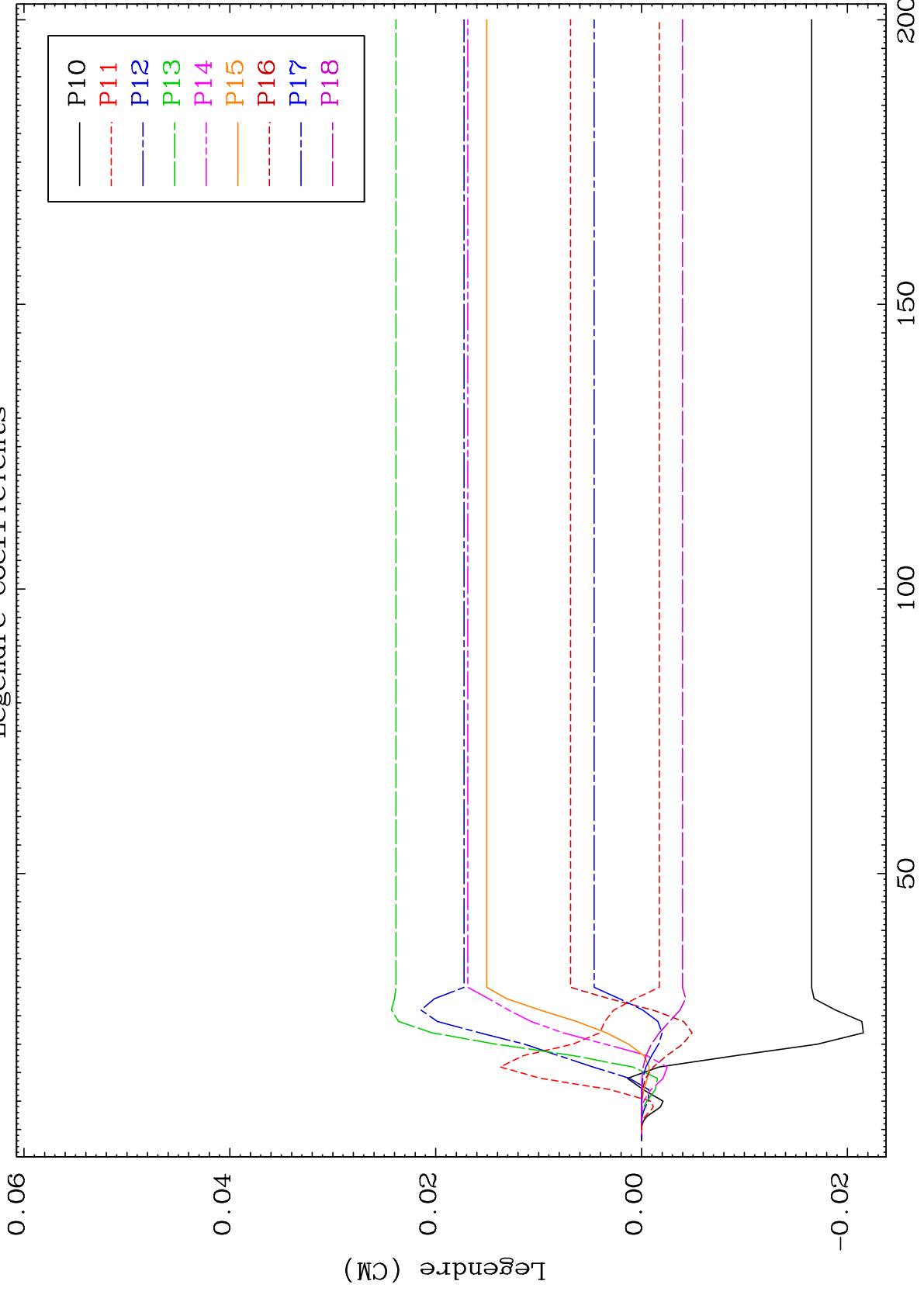


130

Incident Energy (MeV)

64-Gd-147

MAT 6410 MT= 79 (n,n') Level Legendre Coefficients 64-Gd-147

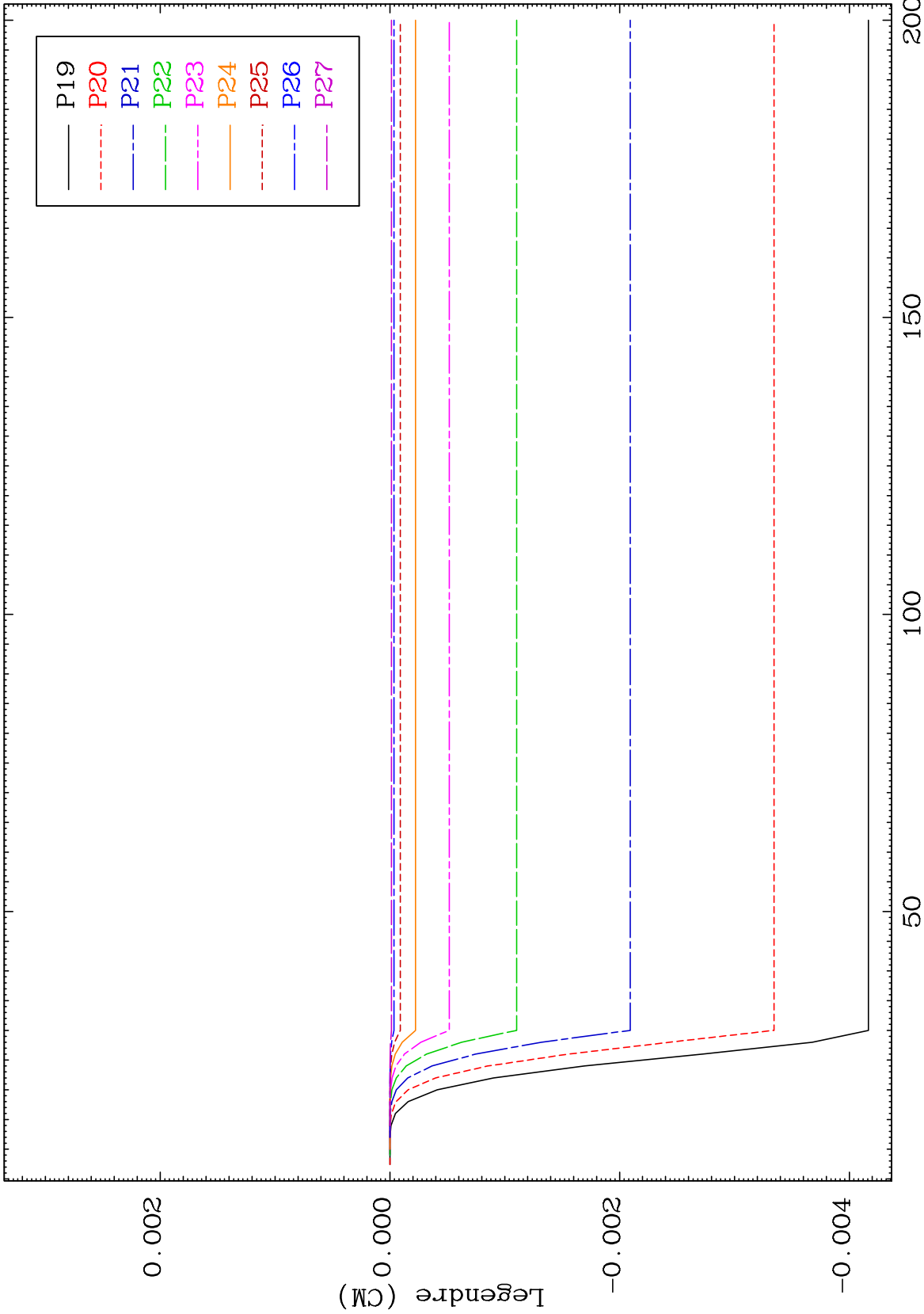


131 64-Gd-147

MAT 6410

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

64-Gd-147



132

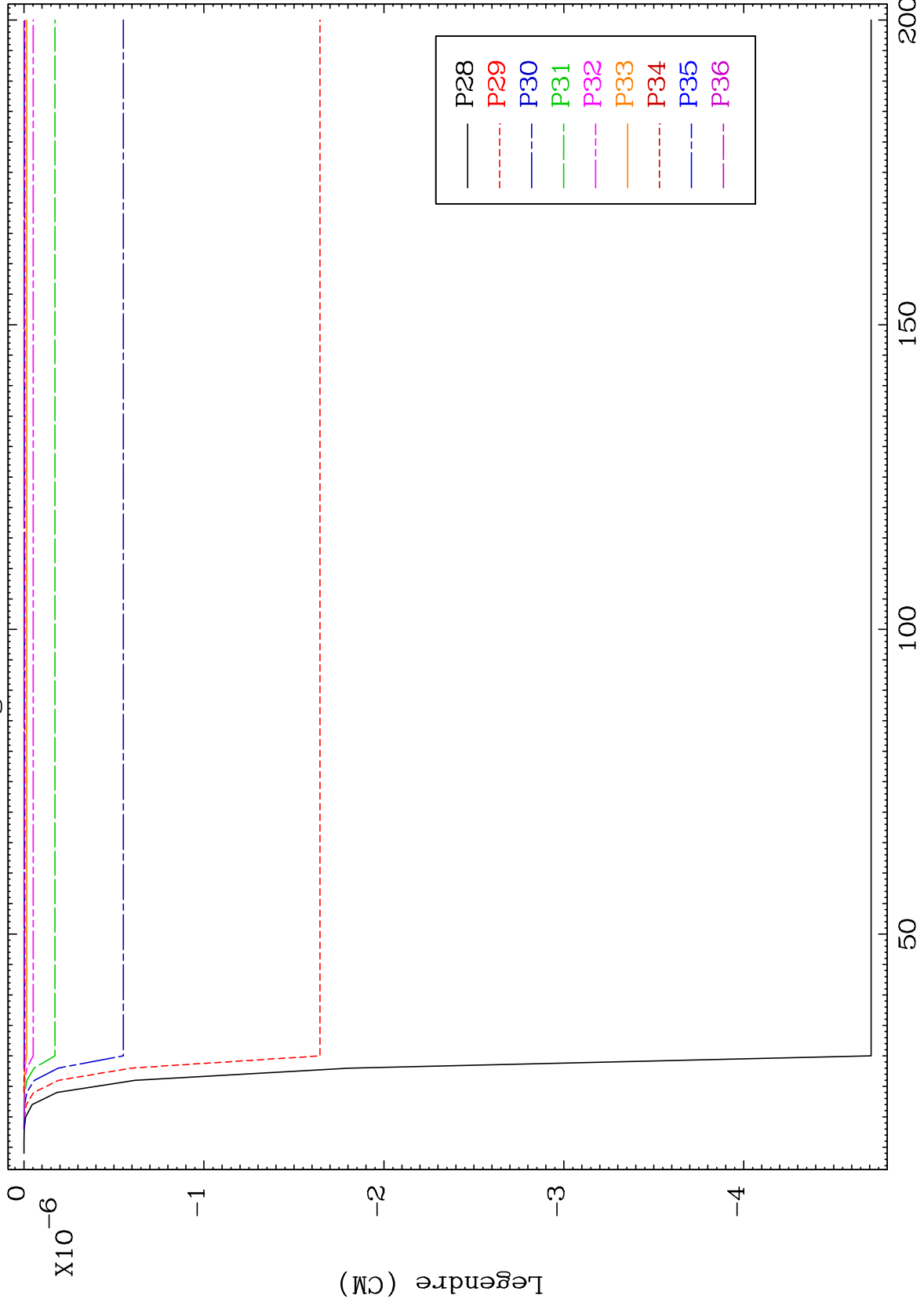
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

Incident Energy (MeV)

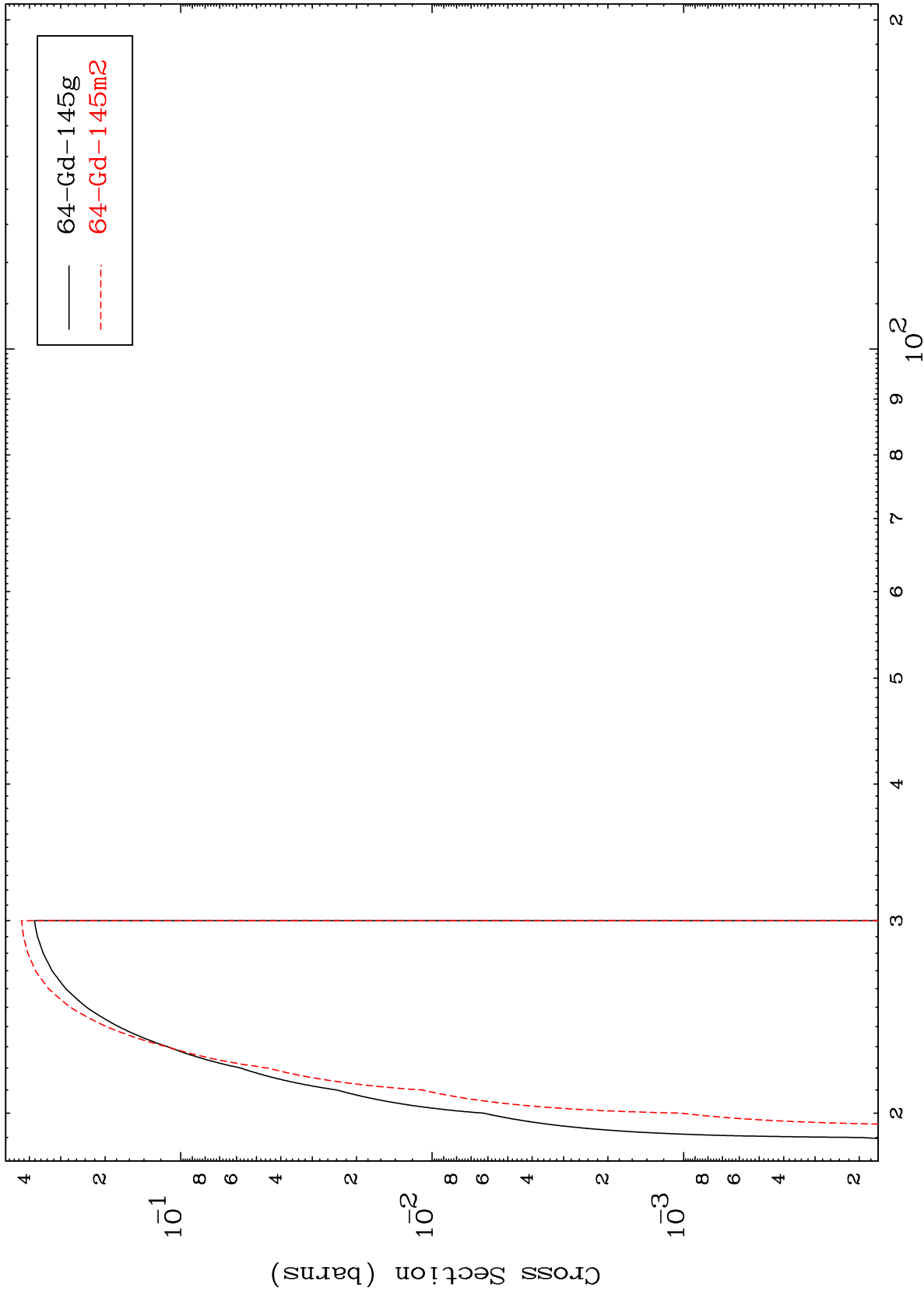
133

MAT 6410

(n,3n)

64-Gd-147

Radionuclide Production Cross Section



134

Incident Energy (MeV)

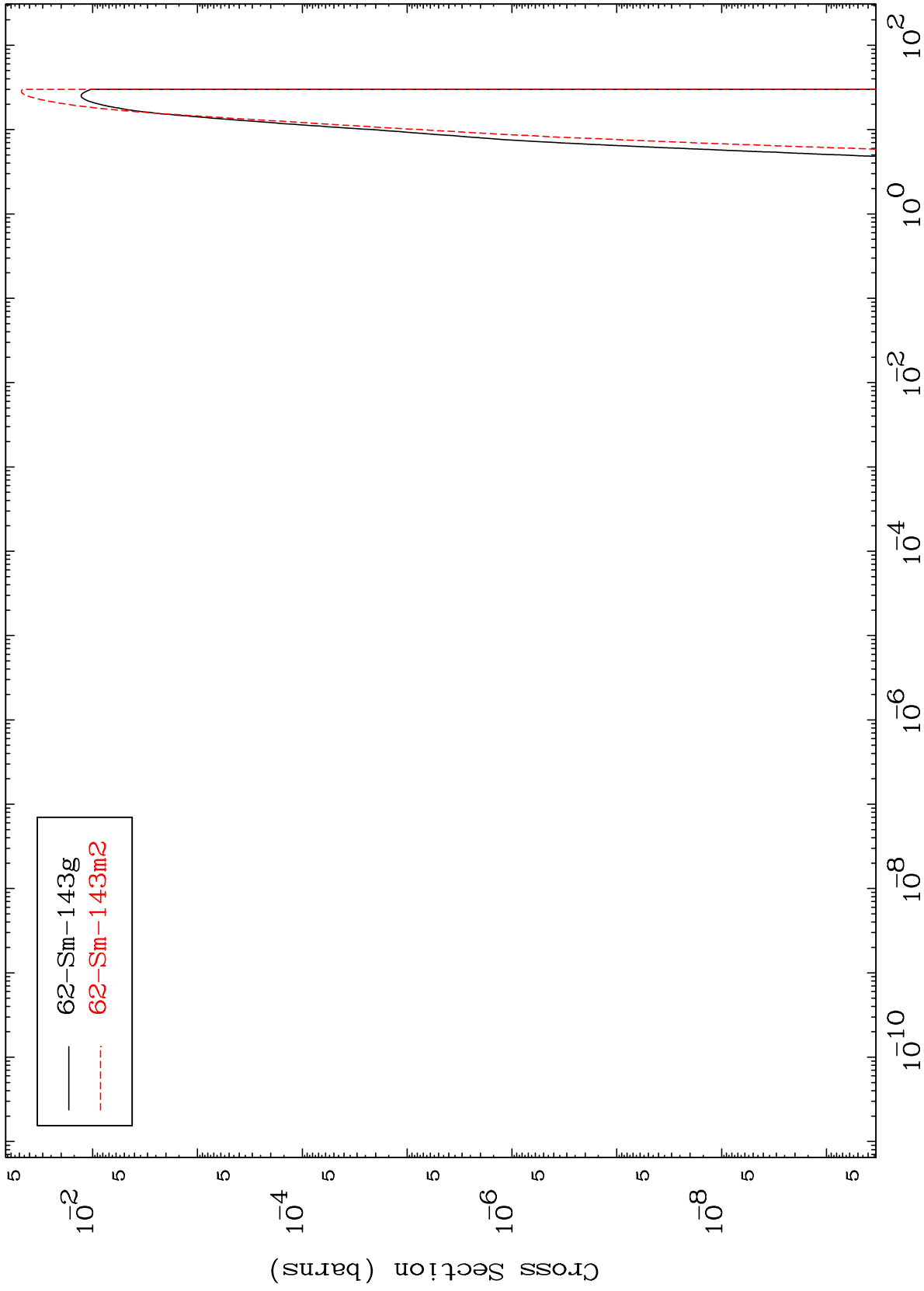
64-Gd-147

MAT 6410

(n,n') α

64-Gd-147

Radionuclide Production Cross Section



135

Incident Energy (MeV)

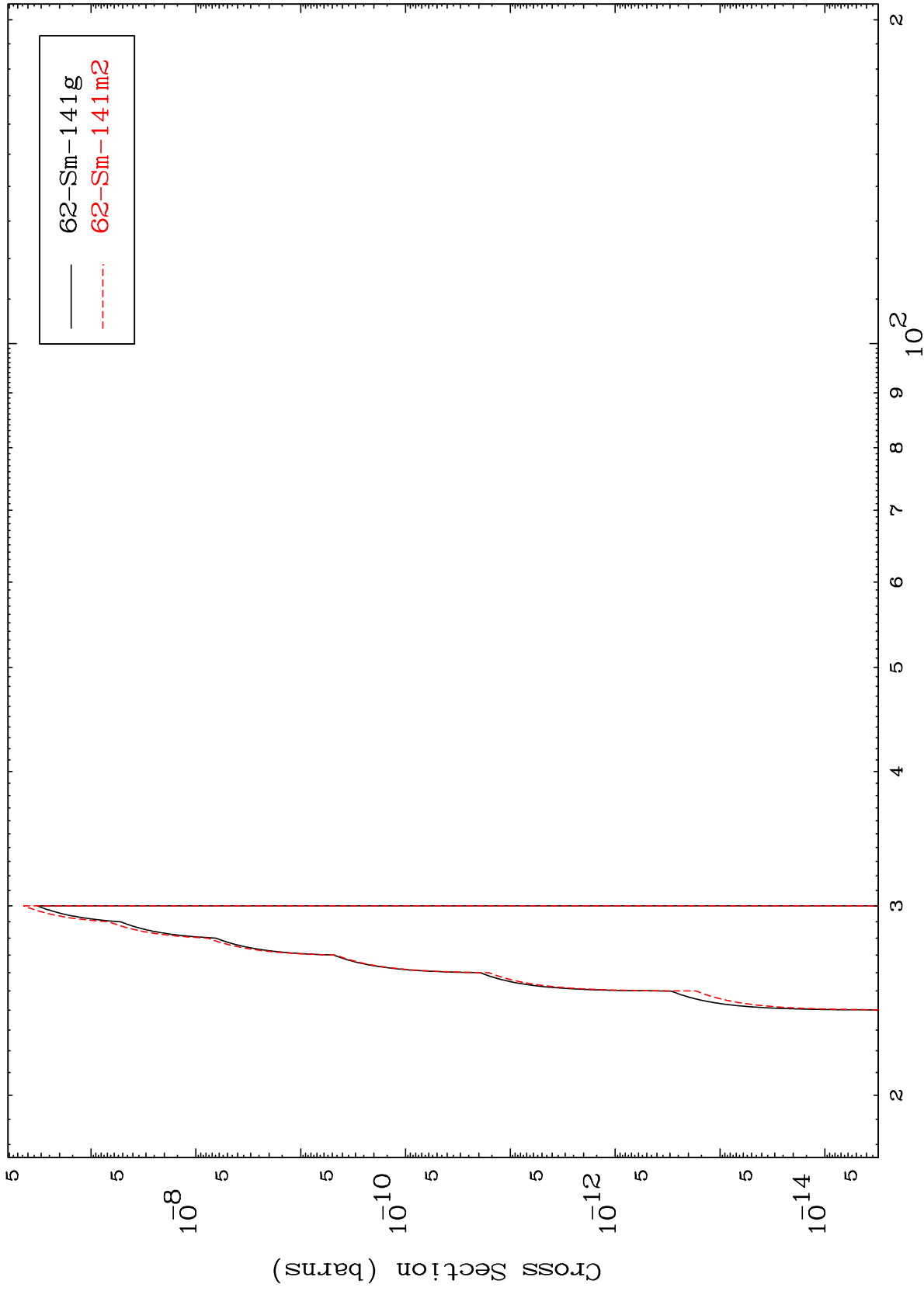
64-Gd-147

MAT 6410

(n,3n) α

64-Gd-147

Radionuclide Production Cross Section



136

Incident Energy (MeV)

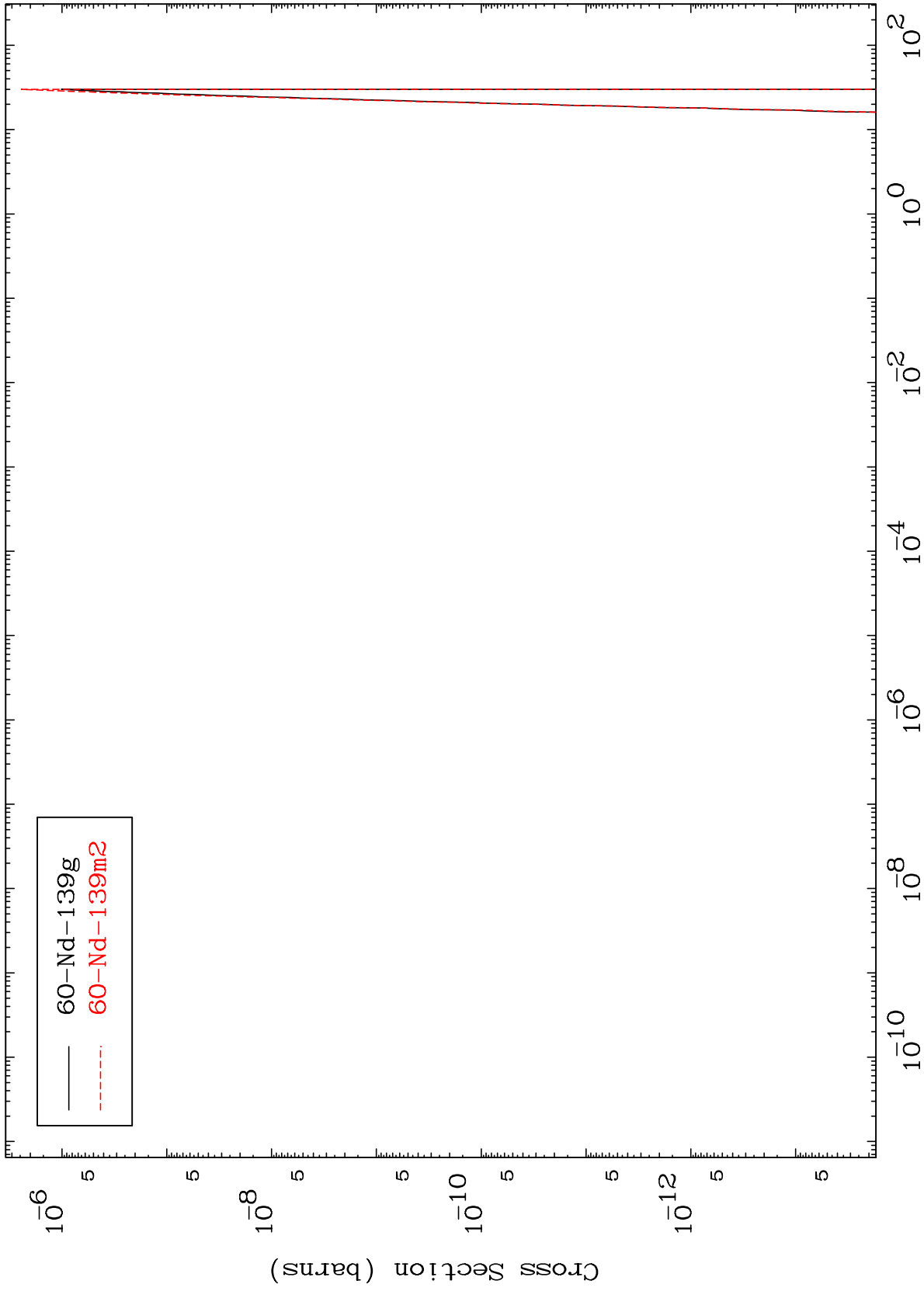
64-Gd-147

MAT 6410

(n,n') 2 α

64-Gd-147

Radionuclide Production Cross Section



137

Incident Energy (MeV)

64-Gd-147