

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

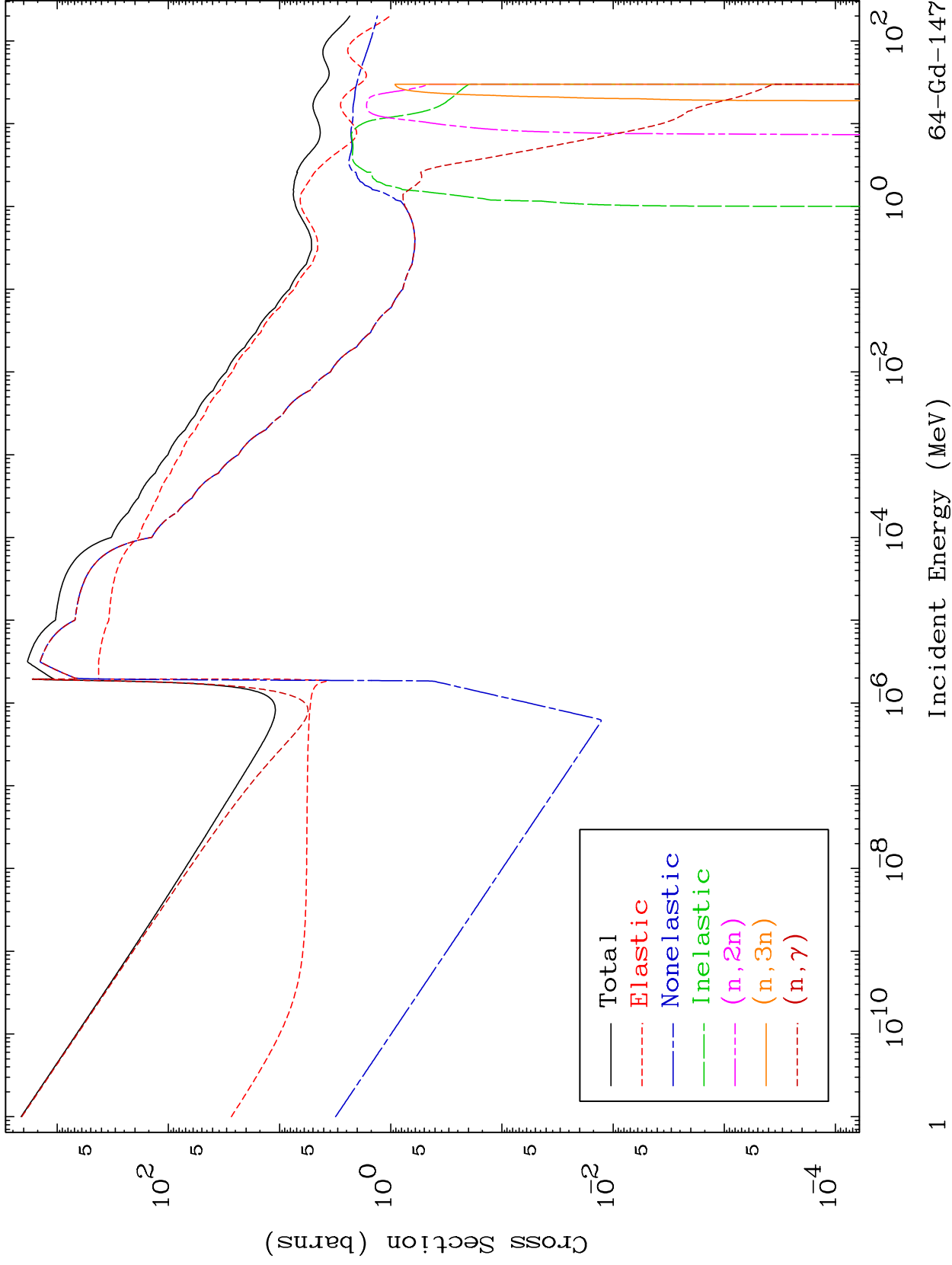
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6410

Neutron Major
293 Kelvin Cross Sections

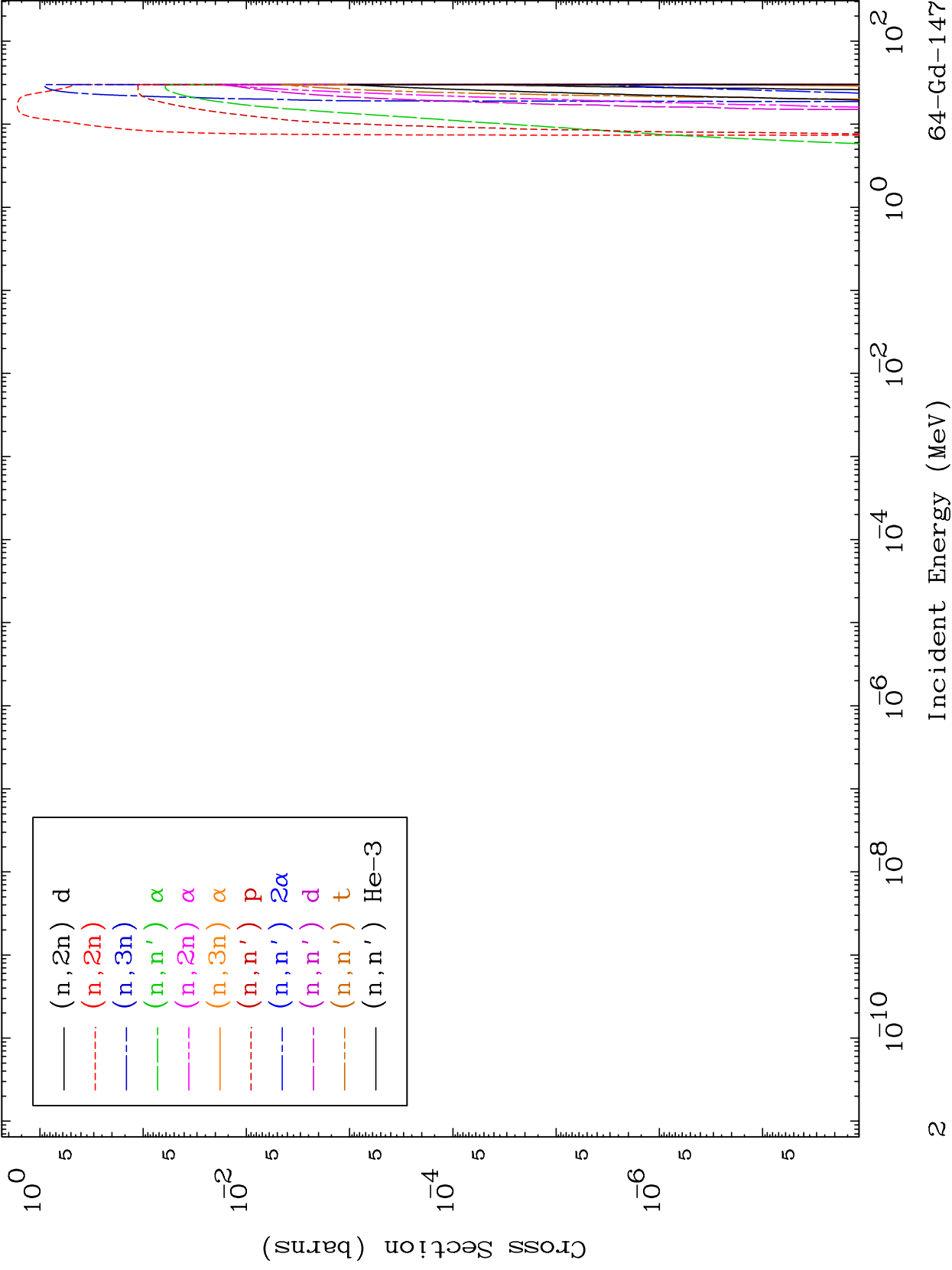
64-Gd-147



MAT 6410

Neutron Absorption
293 Kelvin Cross Sections

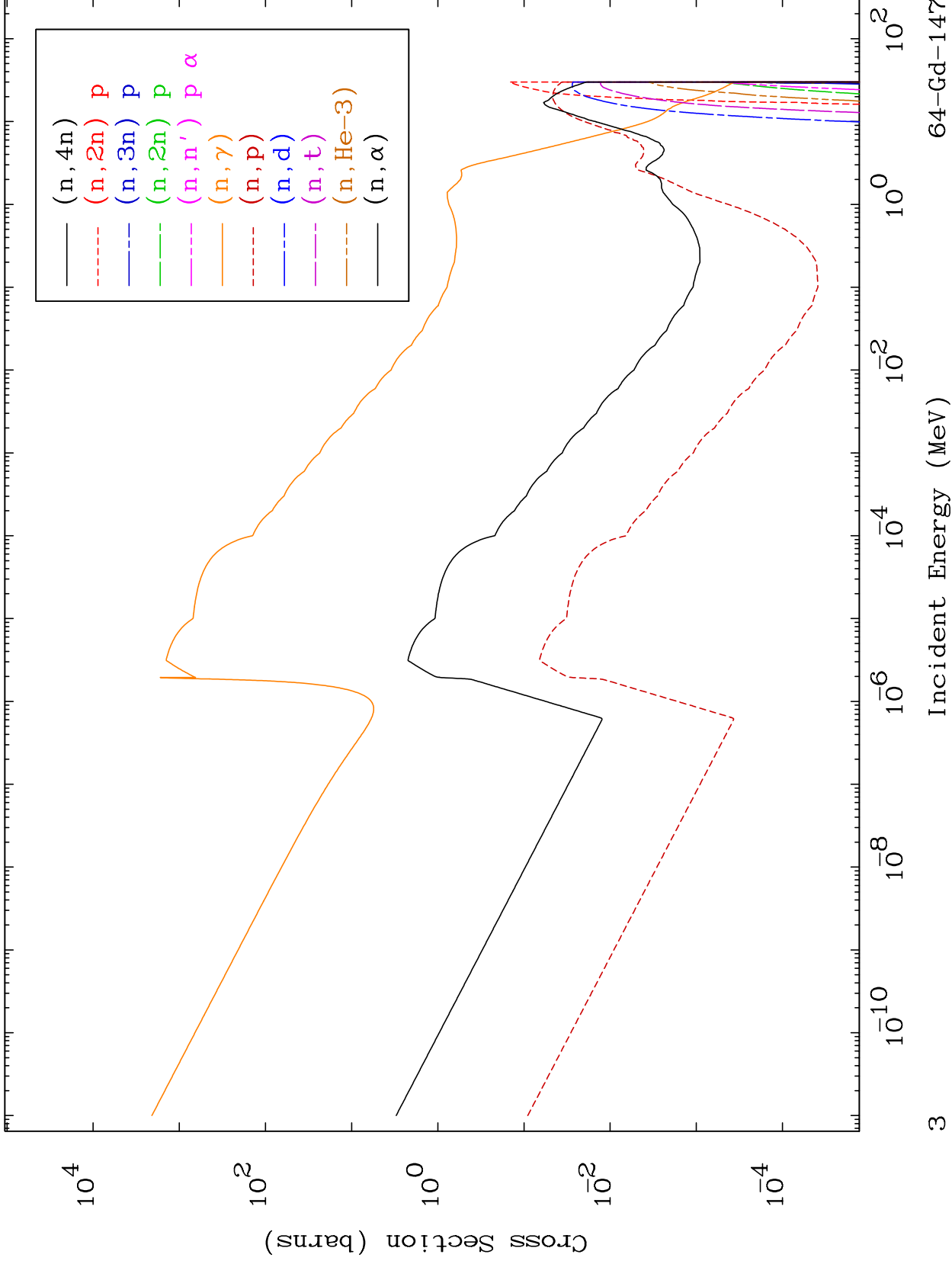
64-Gd-147



MAT 6410

Neutron Absorption
293 Kelvin Cross Sections

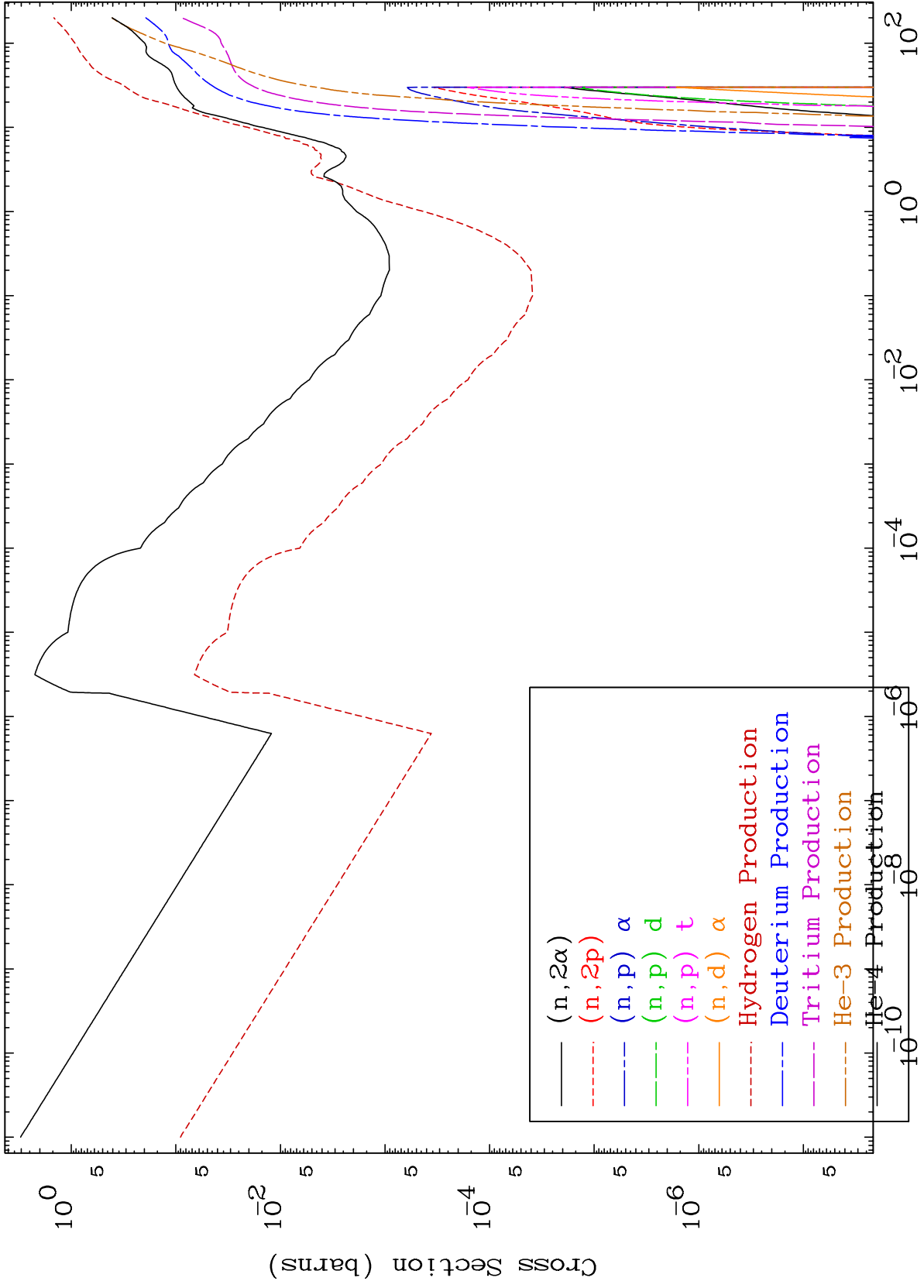
64-Gd-147



MAT 6410

Neutron Absorption
293 Kelvin Cross Sections

64-Gd-147

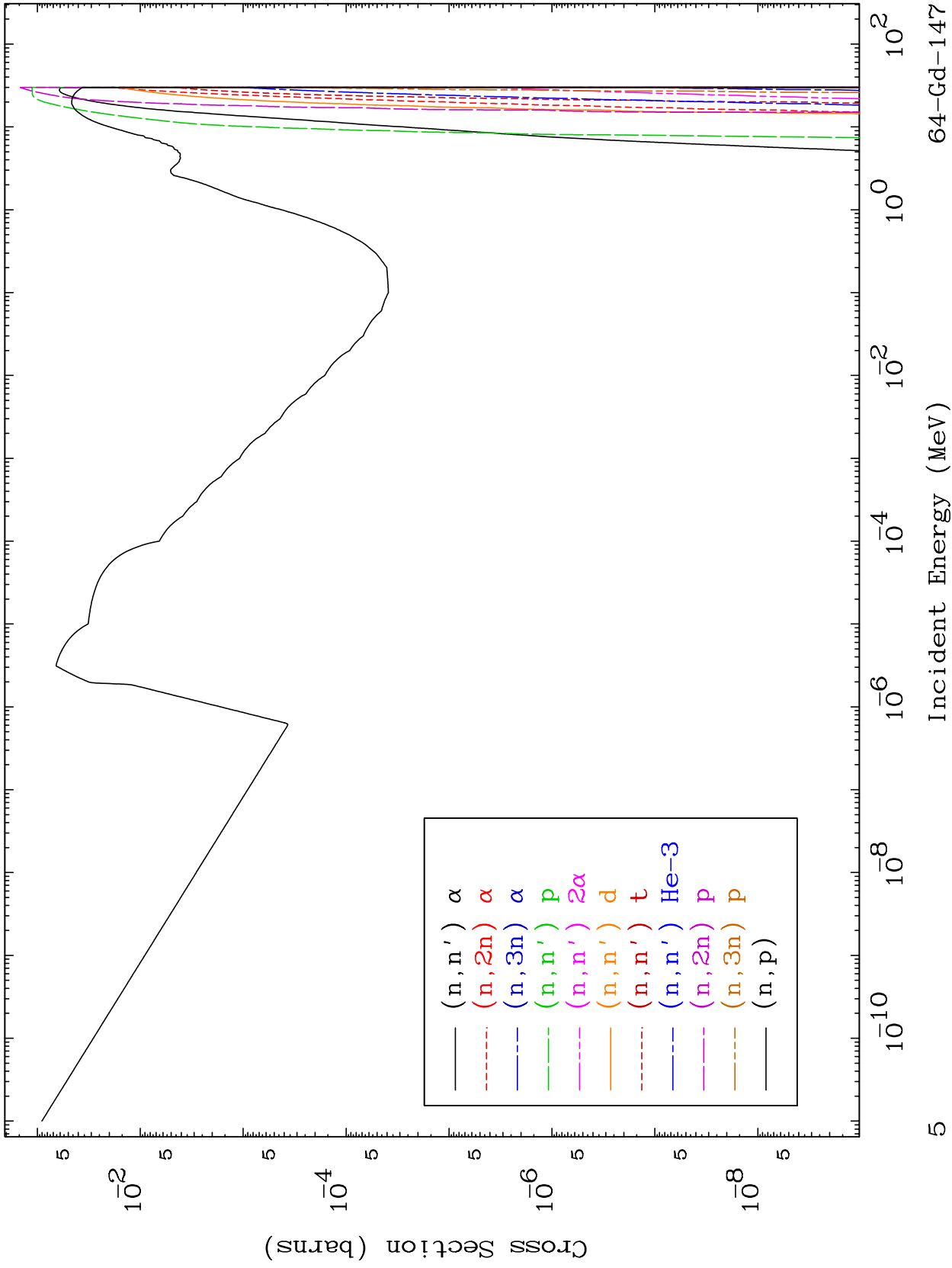


64-Gd-147

MAT 6410

Charged Particle
293 Kelvin Cross Sections

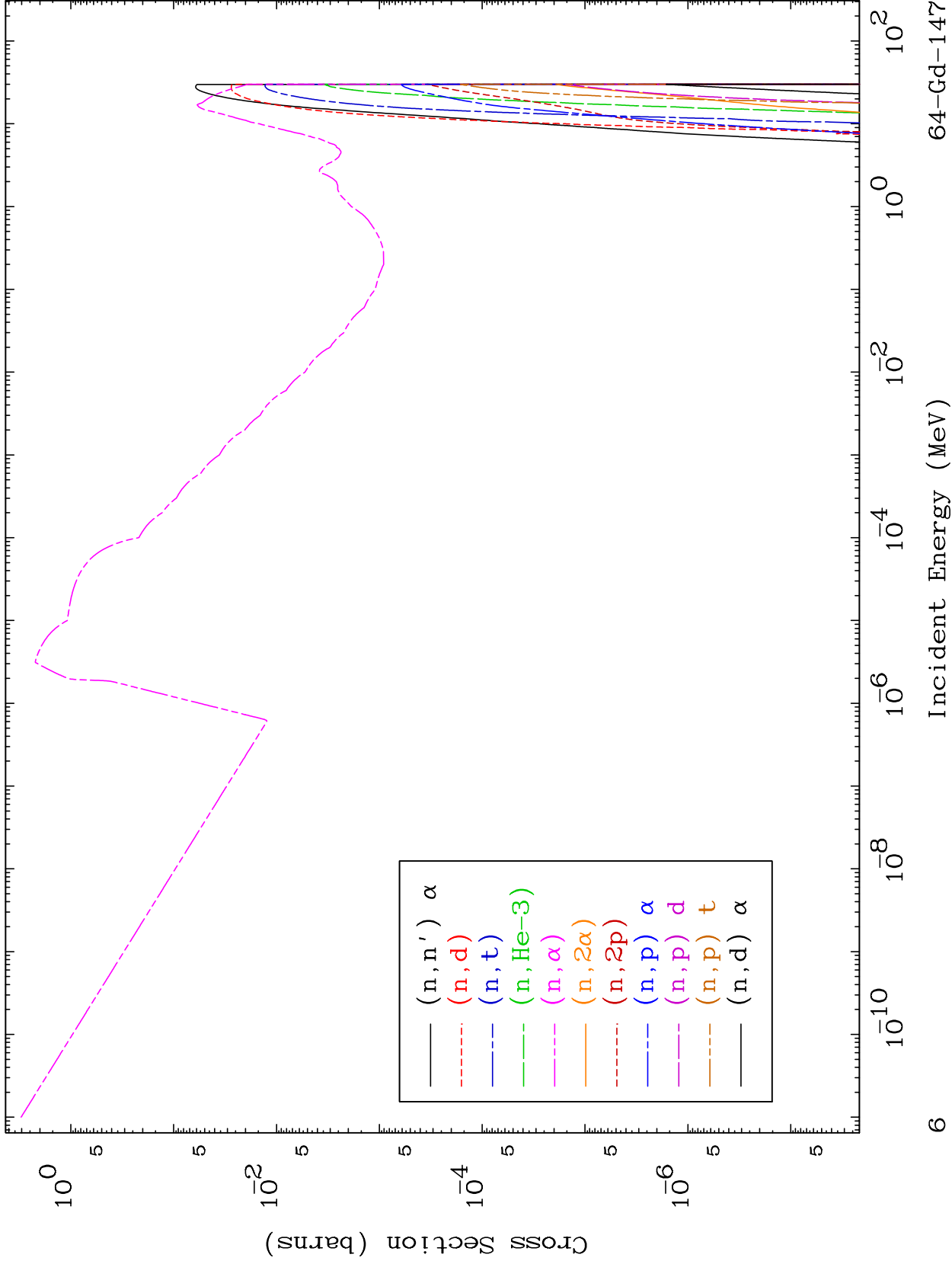
64-Gd-147



MAT 6410

Charged Particle
293 Kelvin Cross Sections

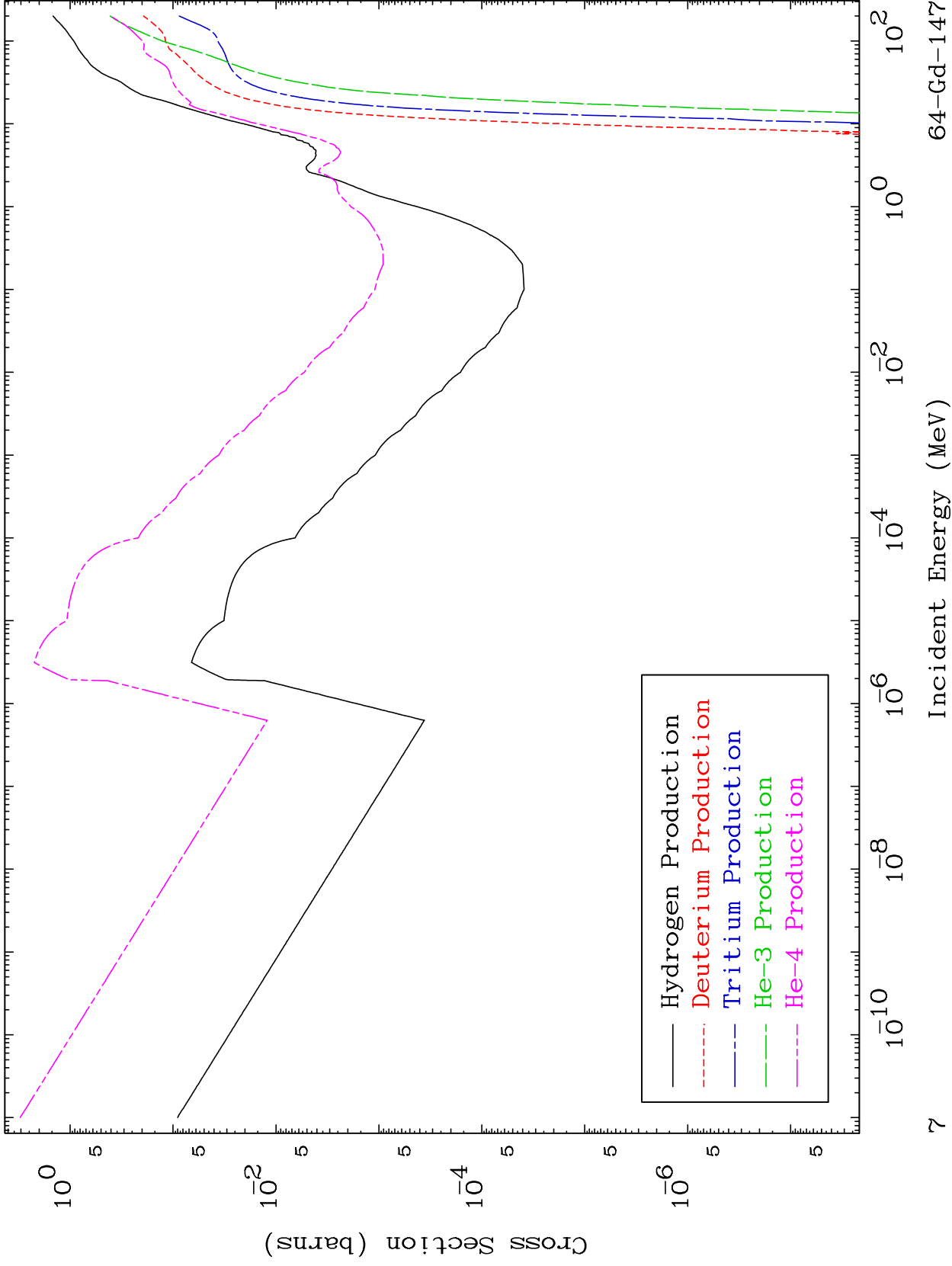
64-Gd-147



MAT 6410

Particle Production
293 Kelvin Cross Sections

64-Gd-147

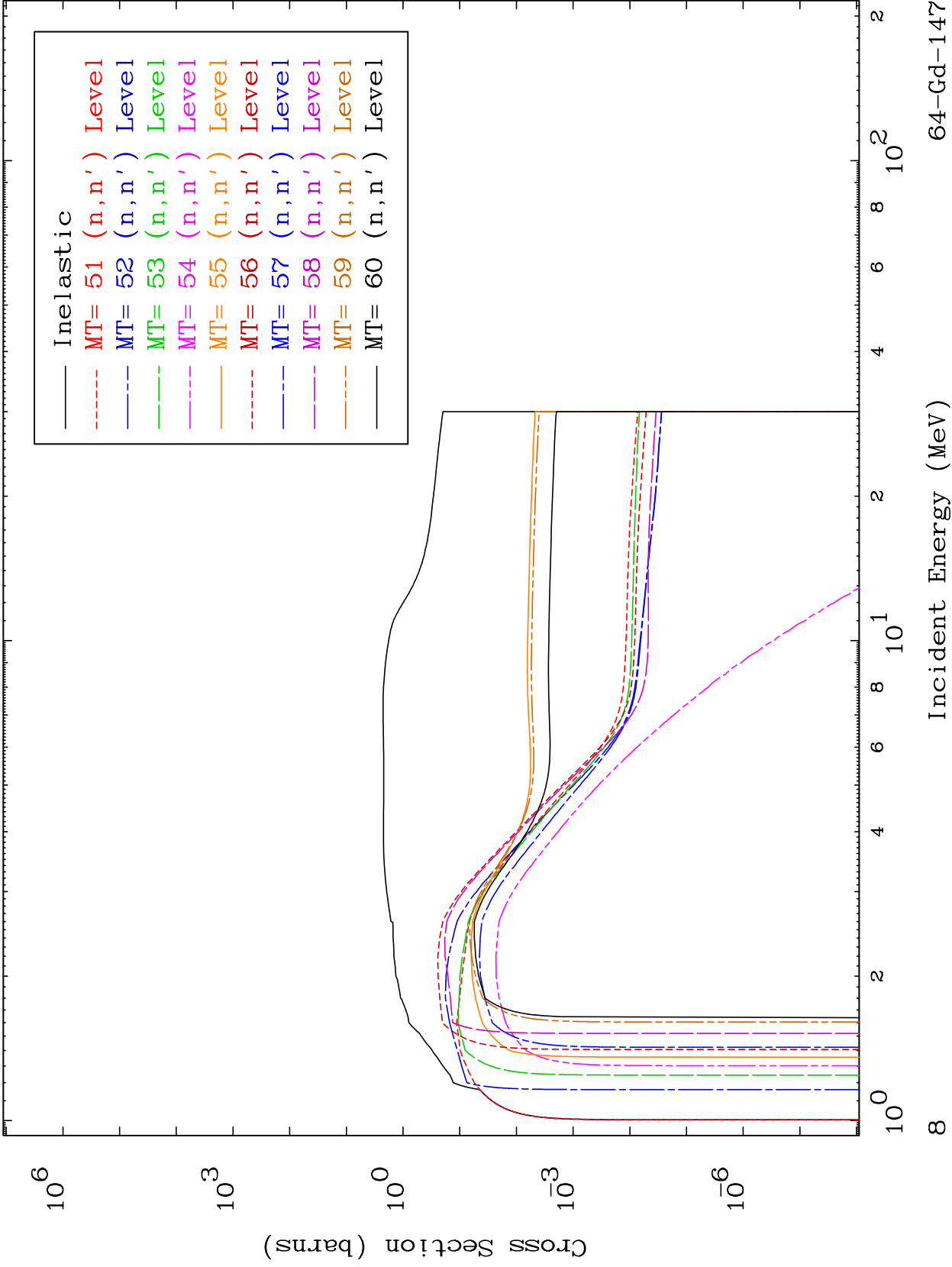


MAT 6410

(n,n') Levels

64-Gd-147

293 Kelvin Cross Sections



Incident Energy (MeV)

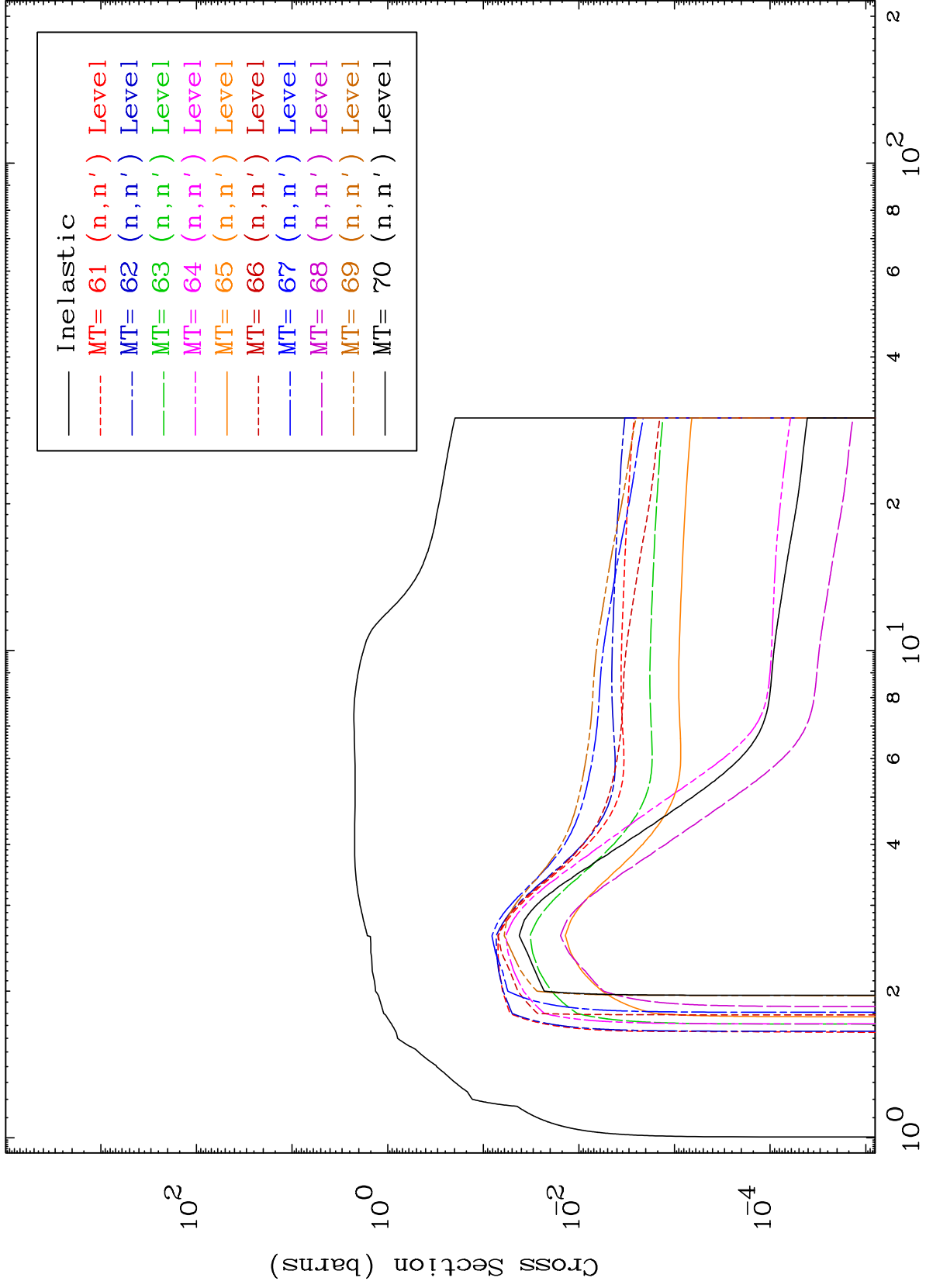
64-Gd-147

MAT 6410

(n,n') Levels

64-Gd-147

293 Kelvin Cross Sections



Incident Energy (MeV)

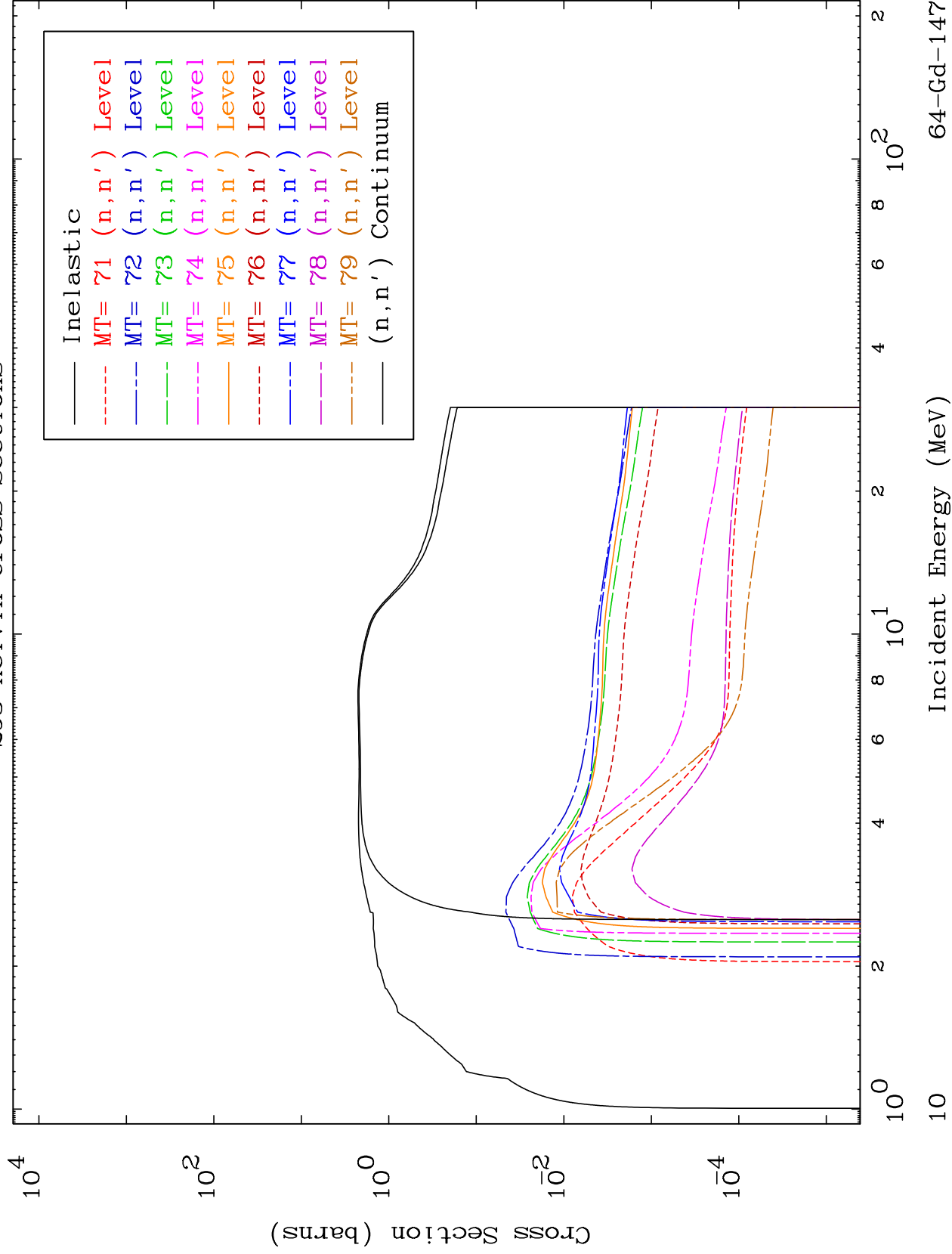
64-Gd-147

MAT 6410

(n,n') Levels

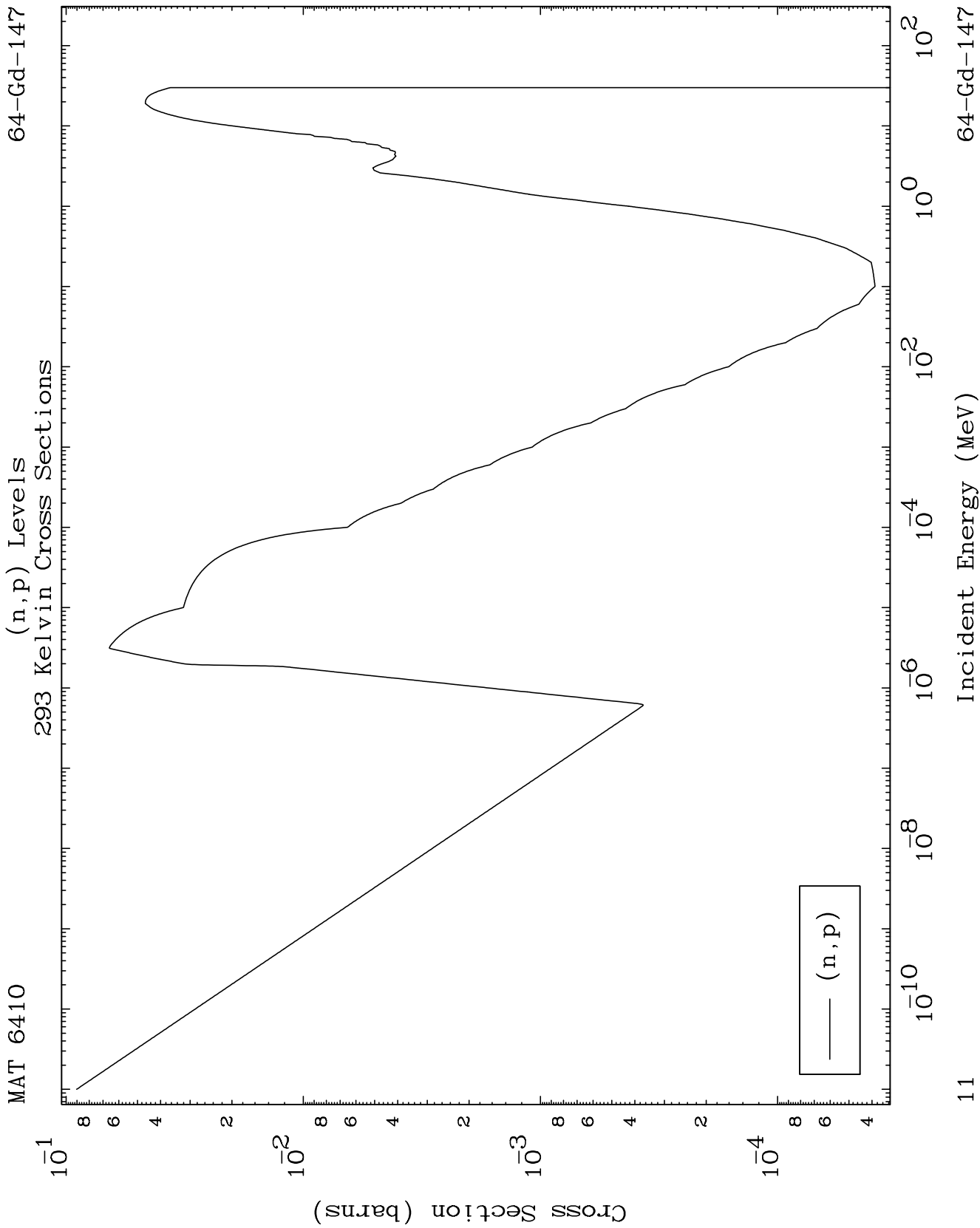
64-Gd-147

293 Kelvin Cross Sections



Incident Energy (MeV)

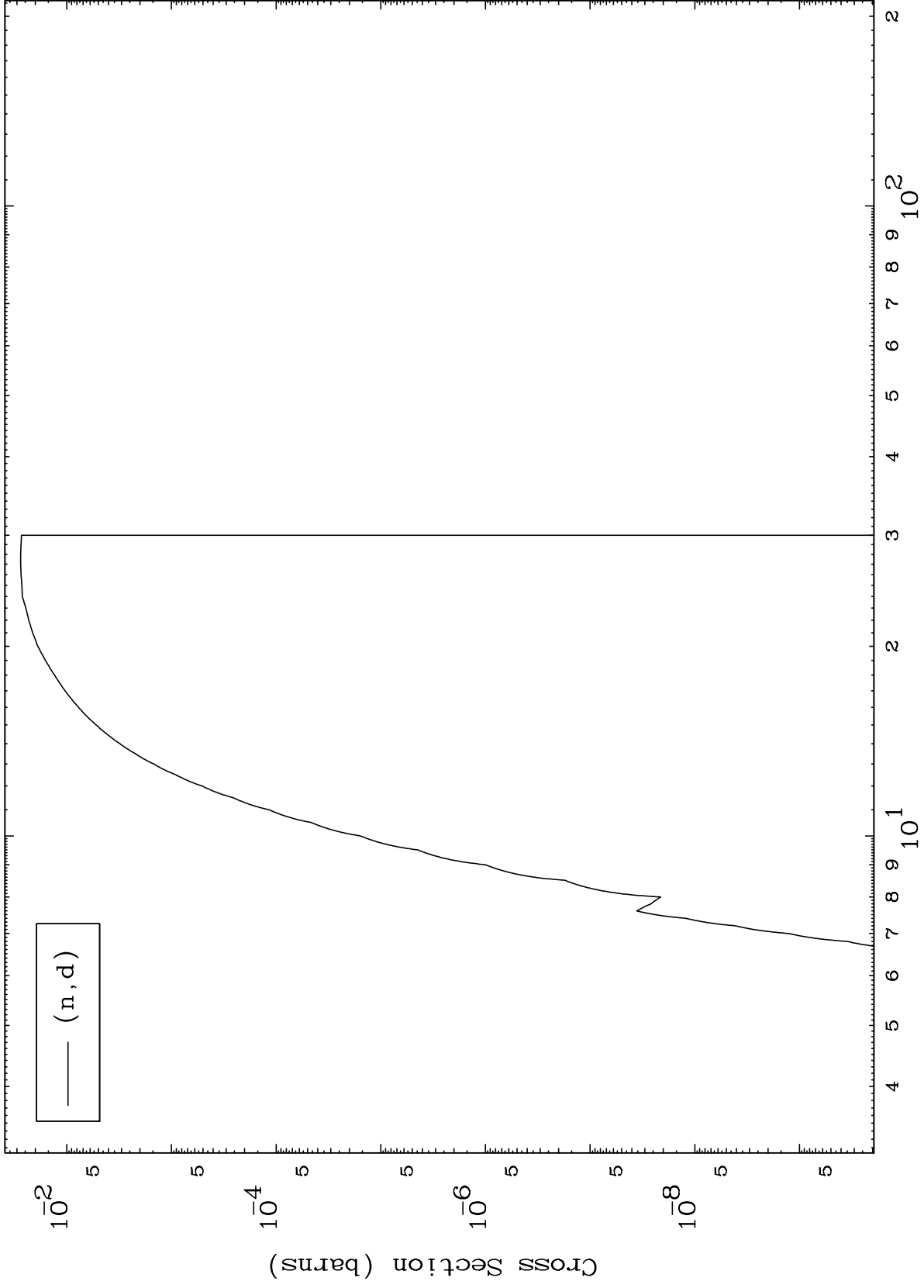
64-Gd-147



MAT 6410

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-147



12

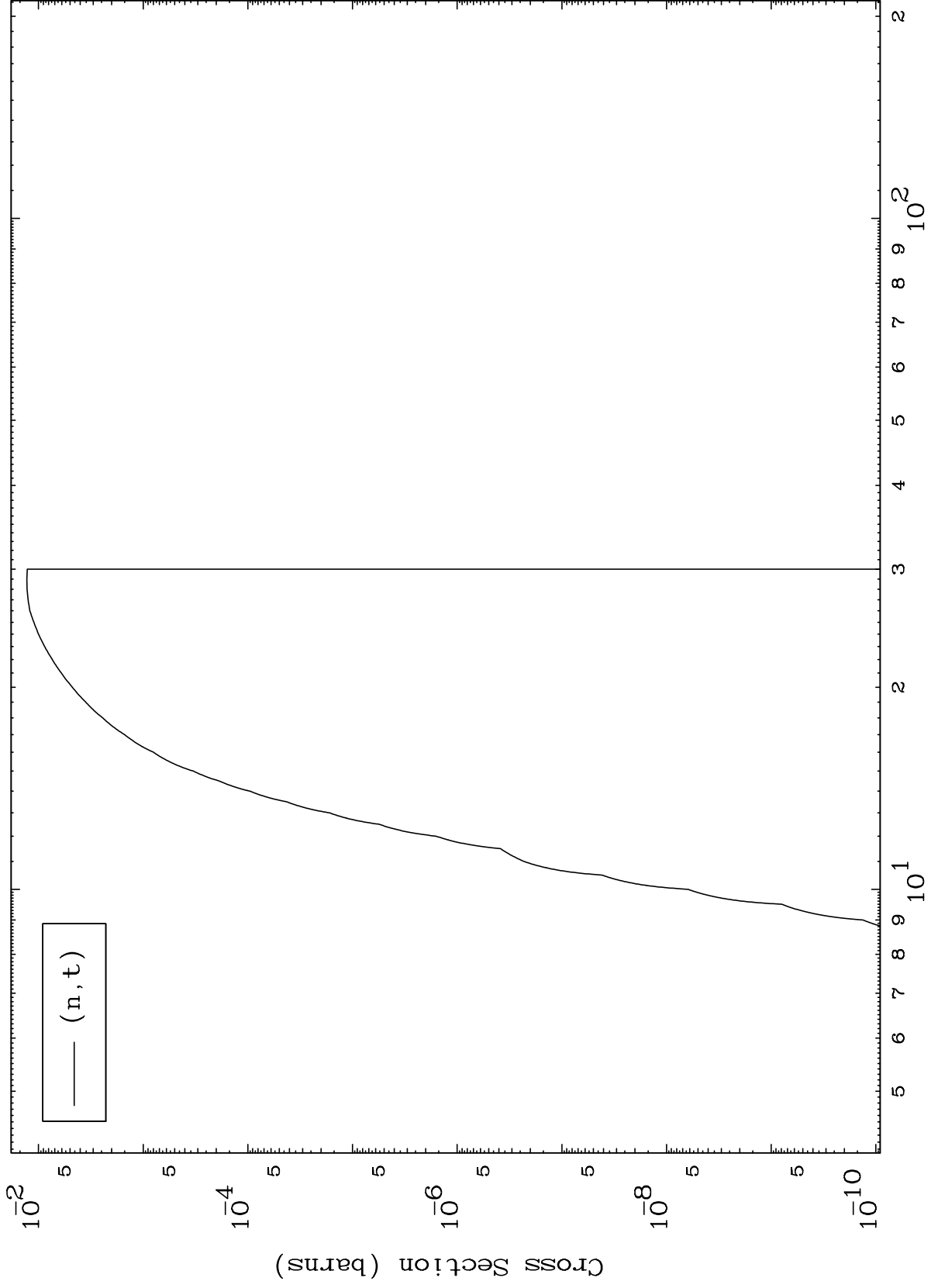
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-147



13

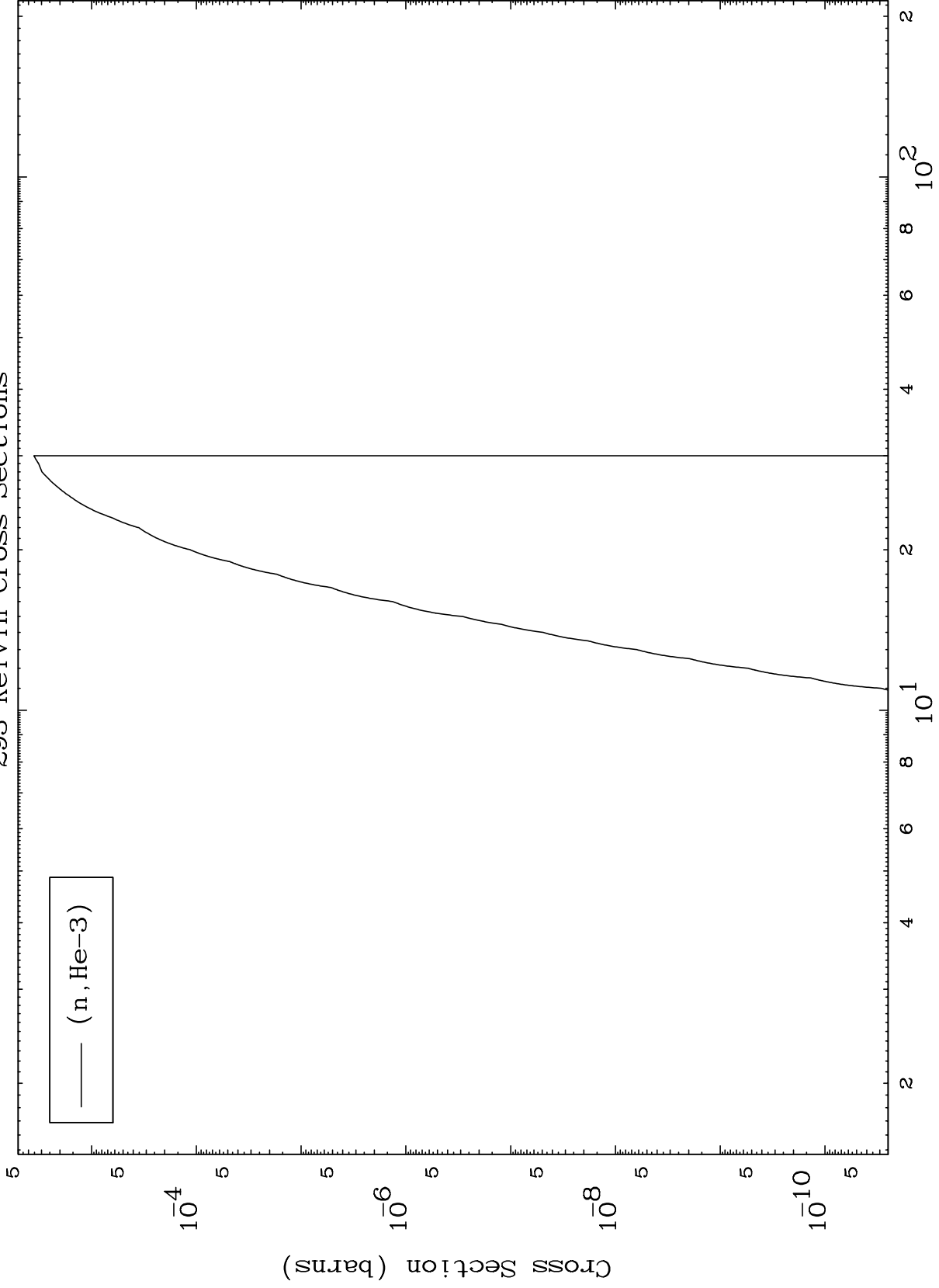
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-147



14

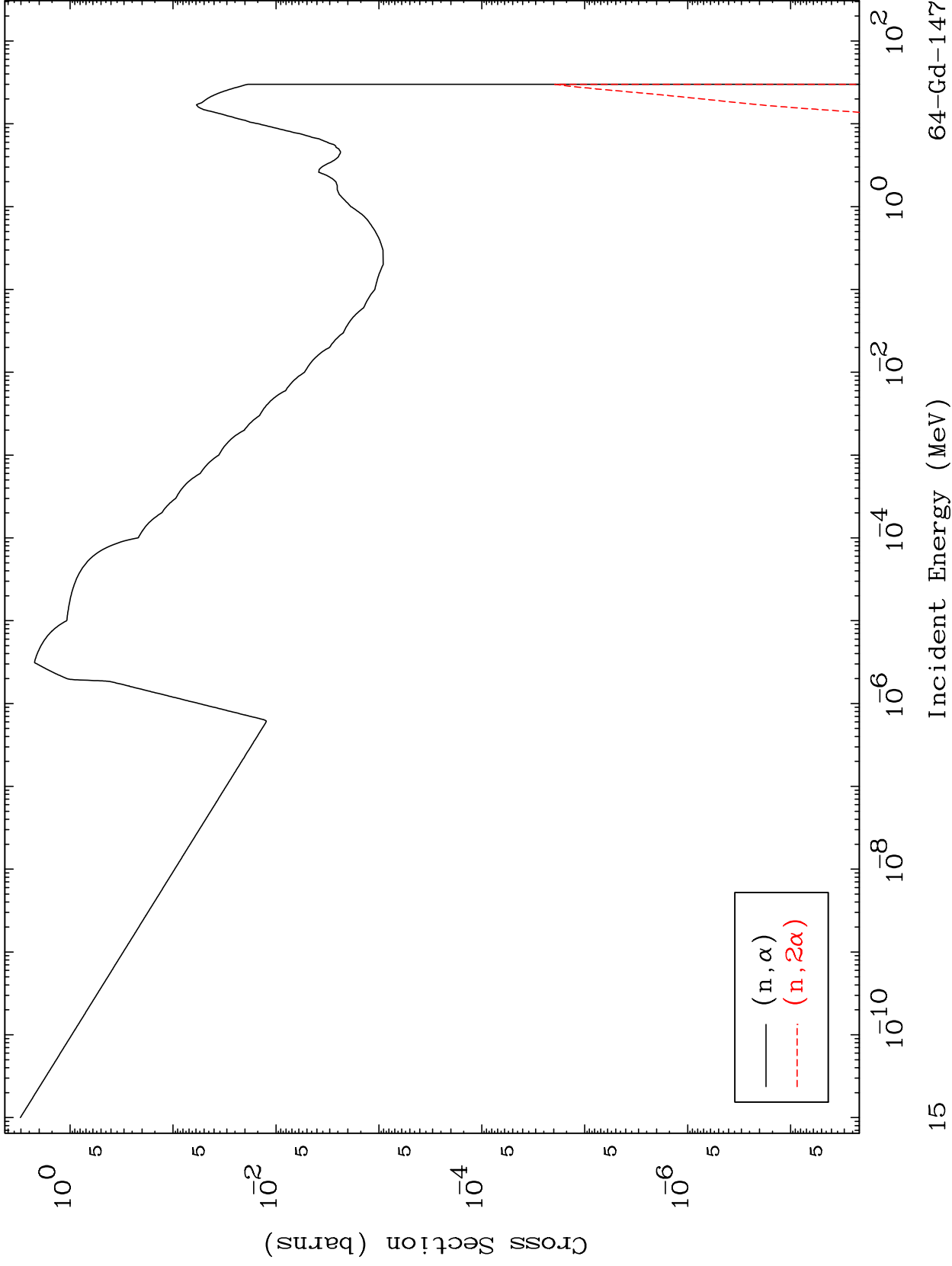
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n, α) Levels
293 Kelvin Cross Sections

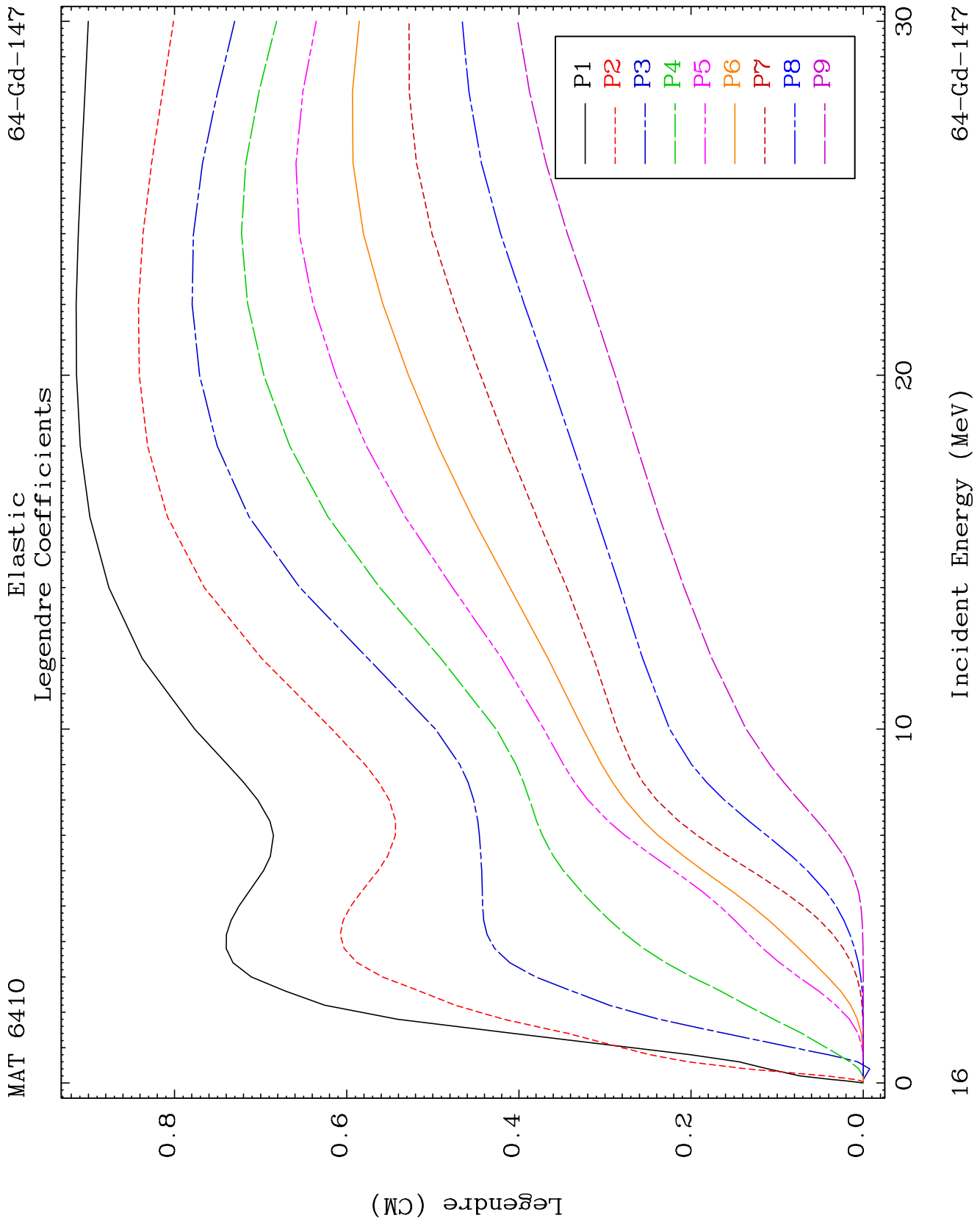
64-Gd-147

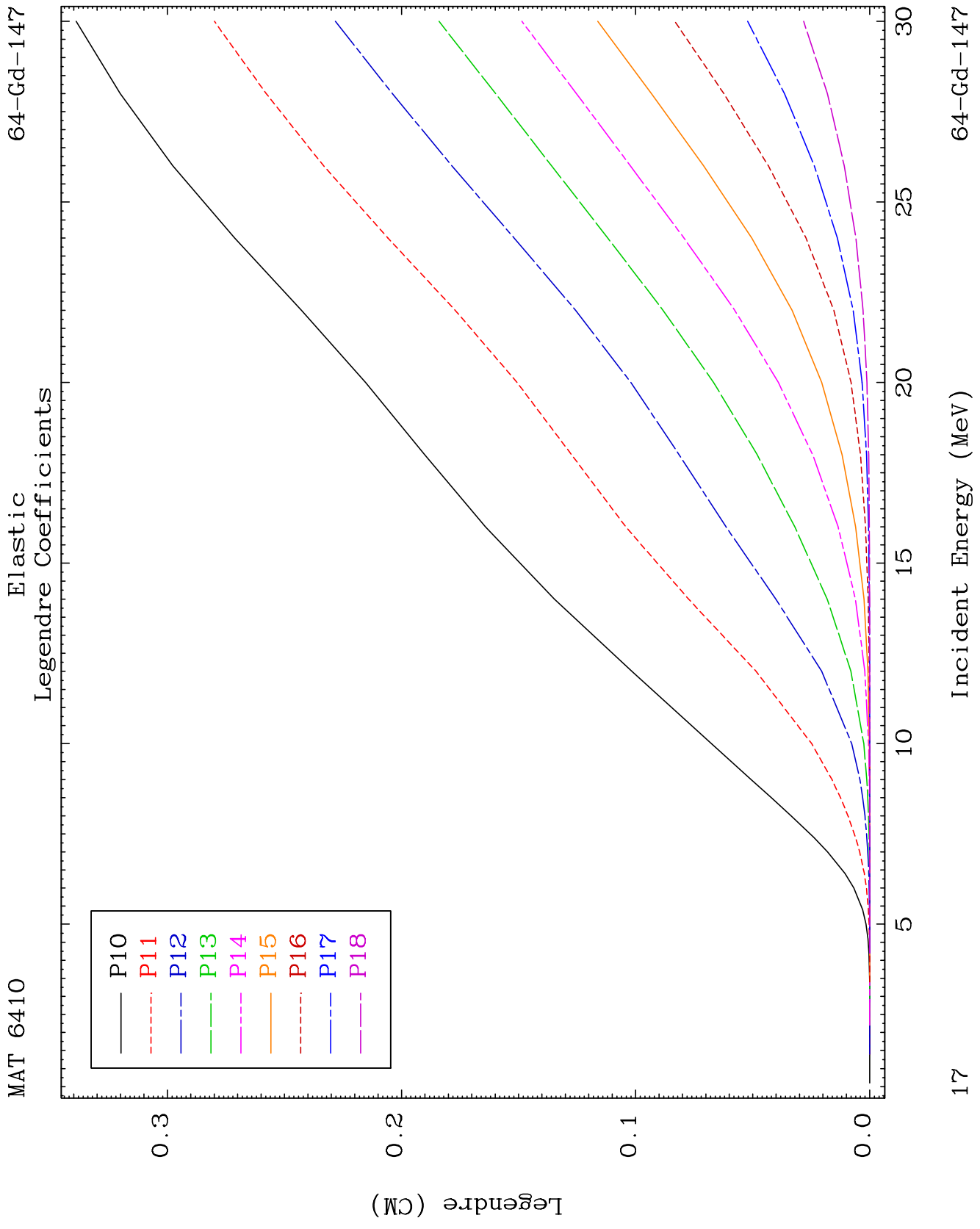


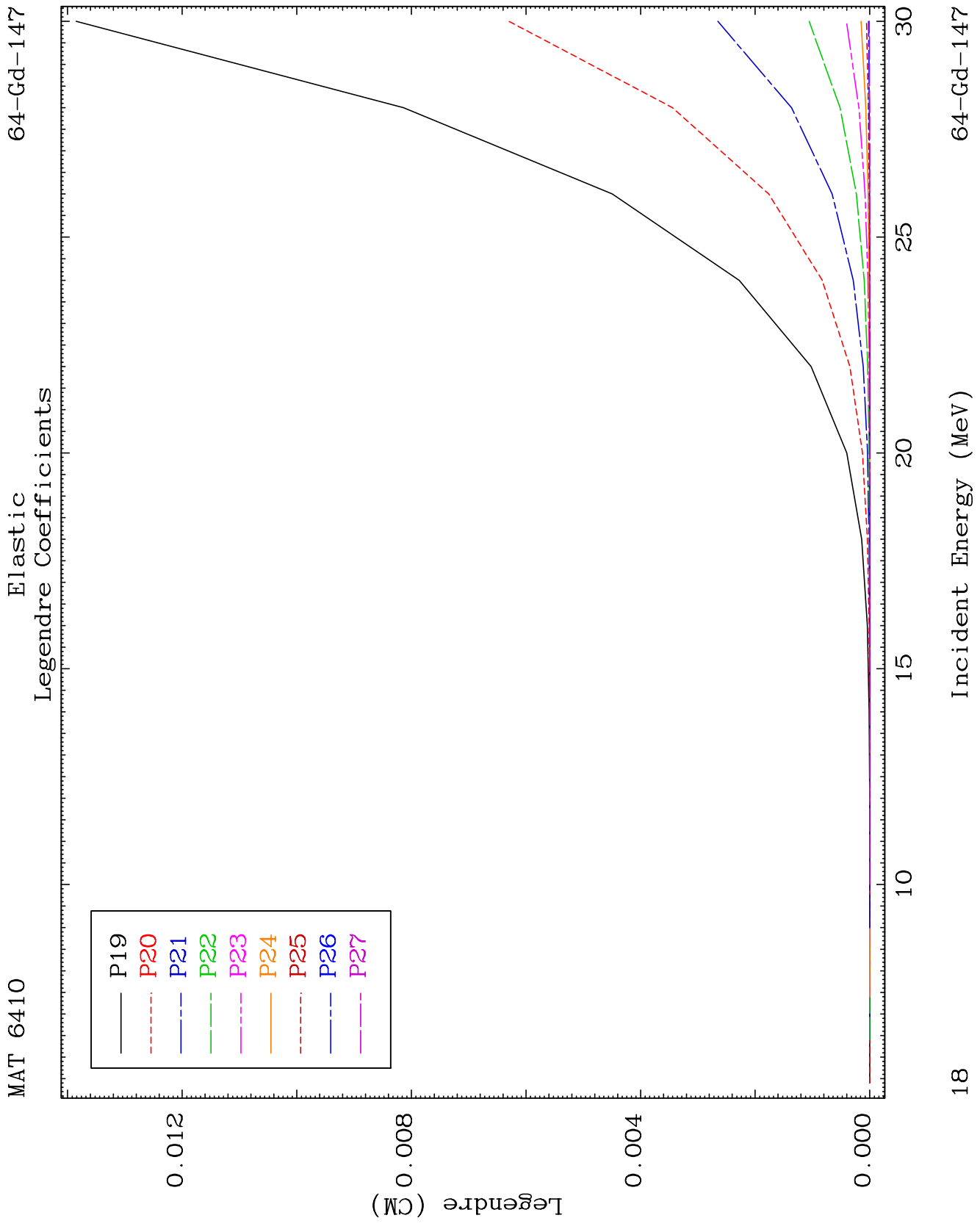
15

Incident Energy (MeV)

64-Gd-147



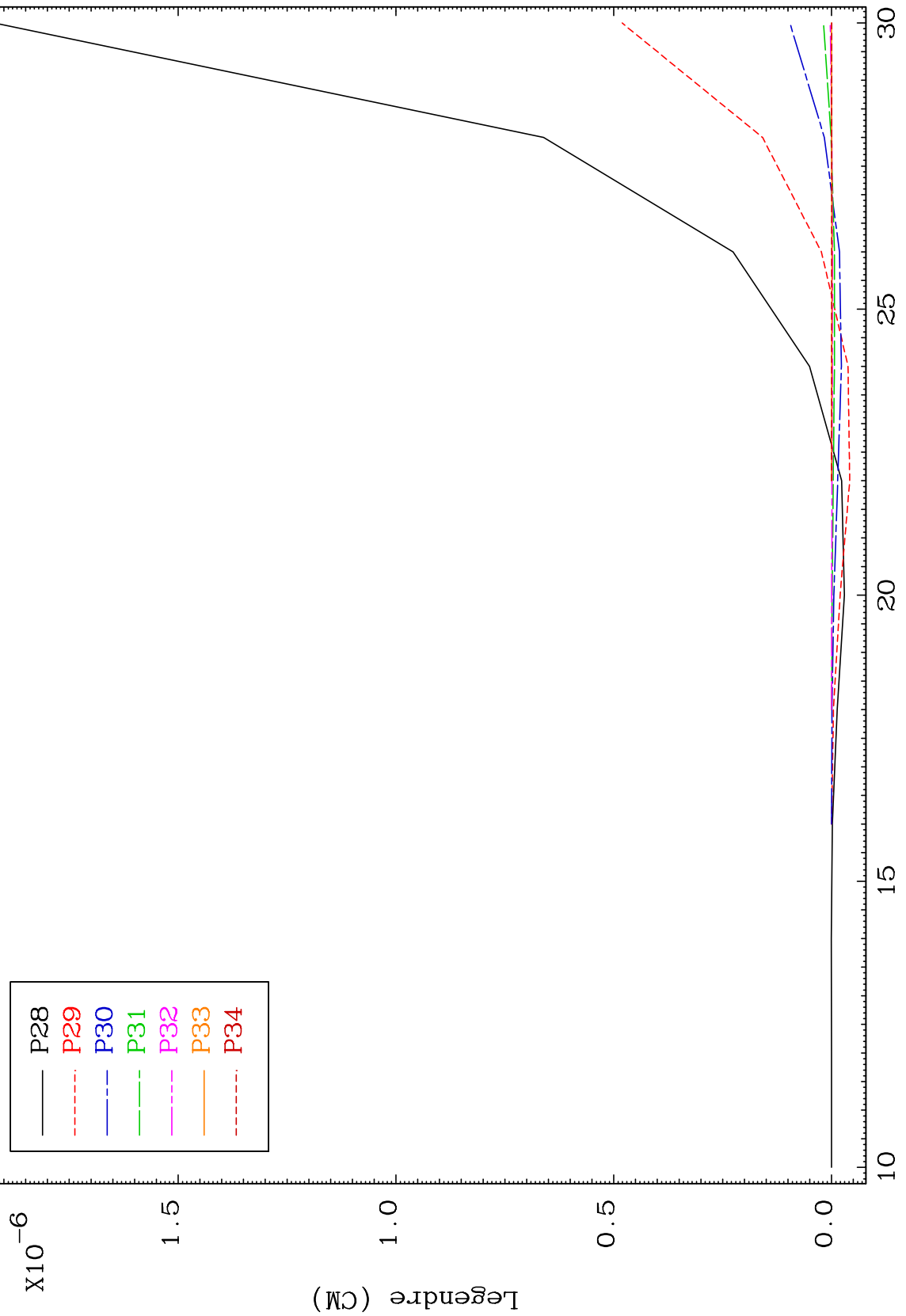
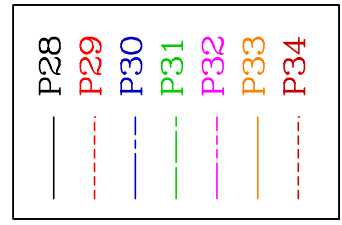




MAT 6410

Elastic Legendre Coefficients

64-Gd-147



19

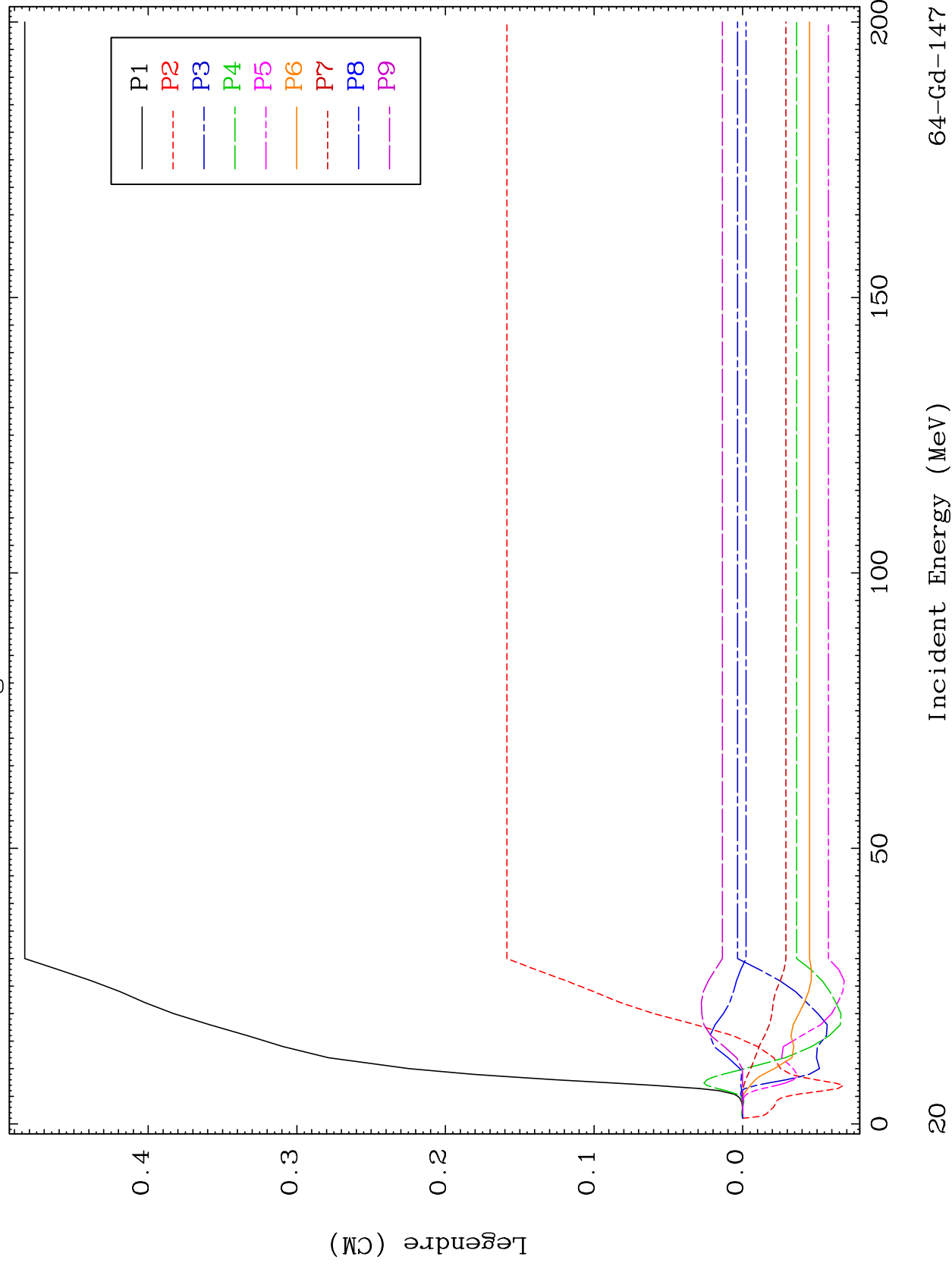
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

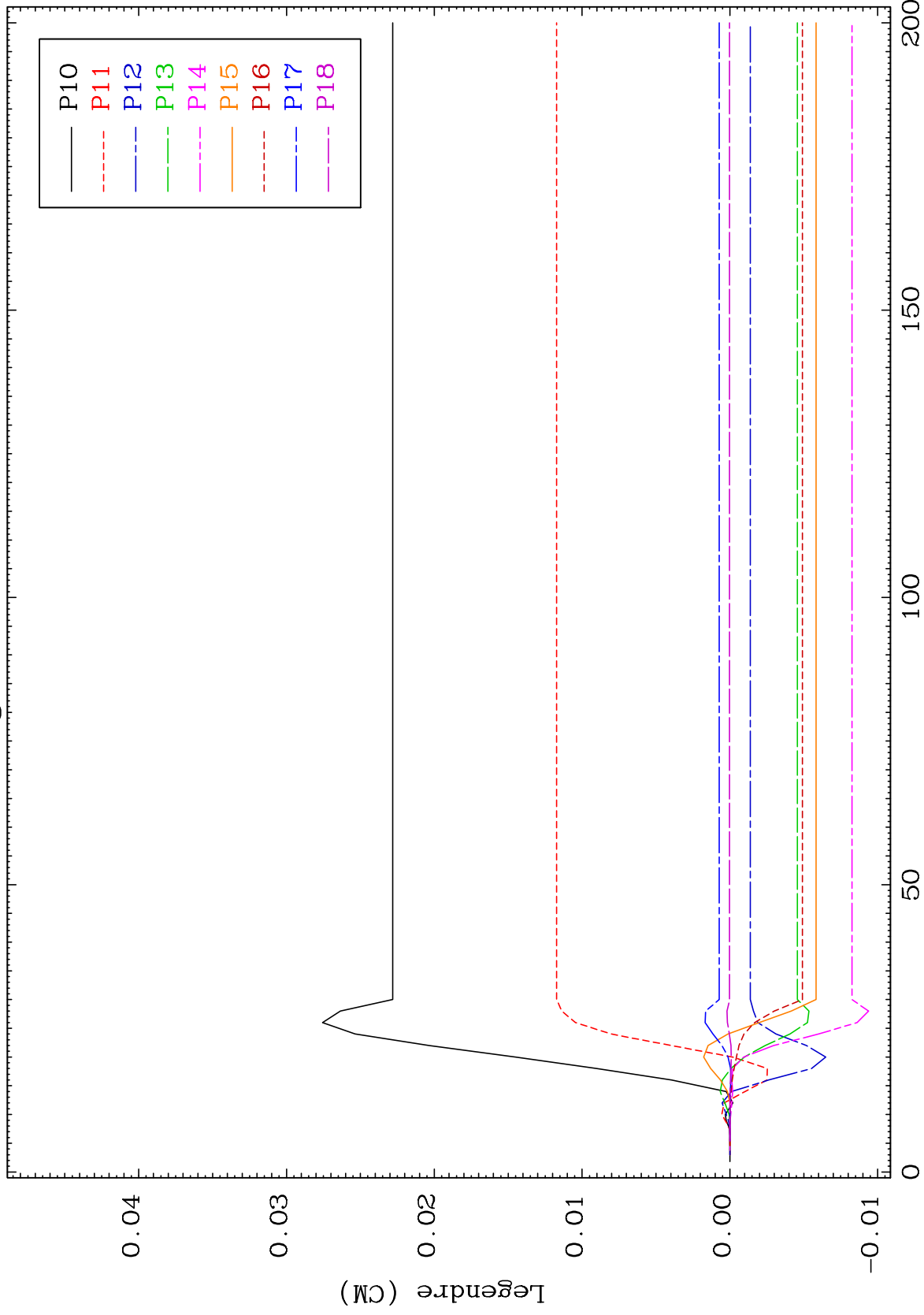
Incident Energy (MeV)

20

MAT 6410

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

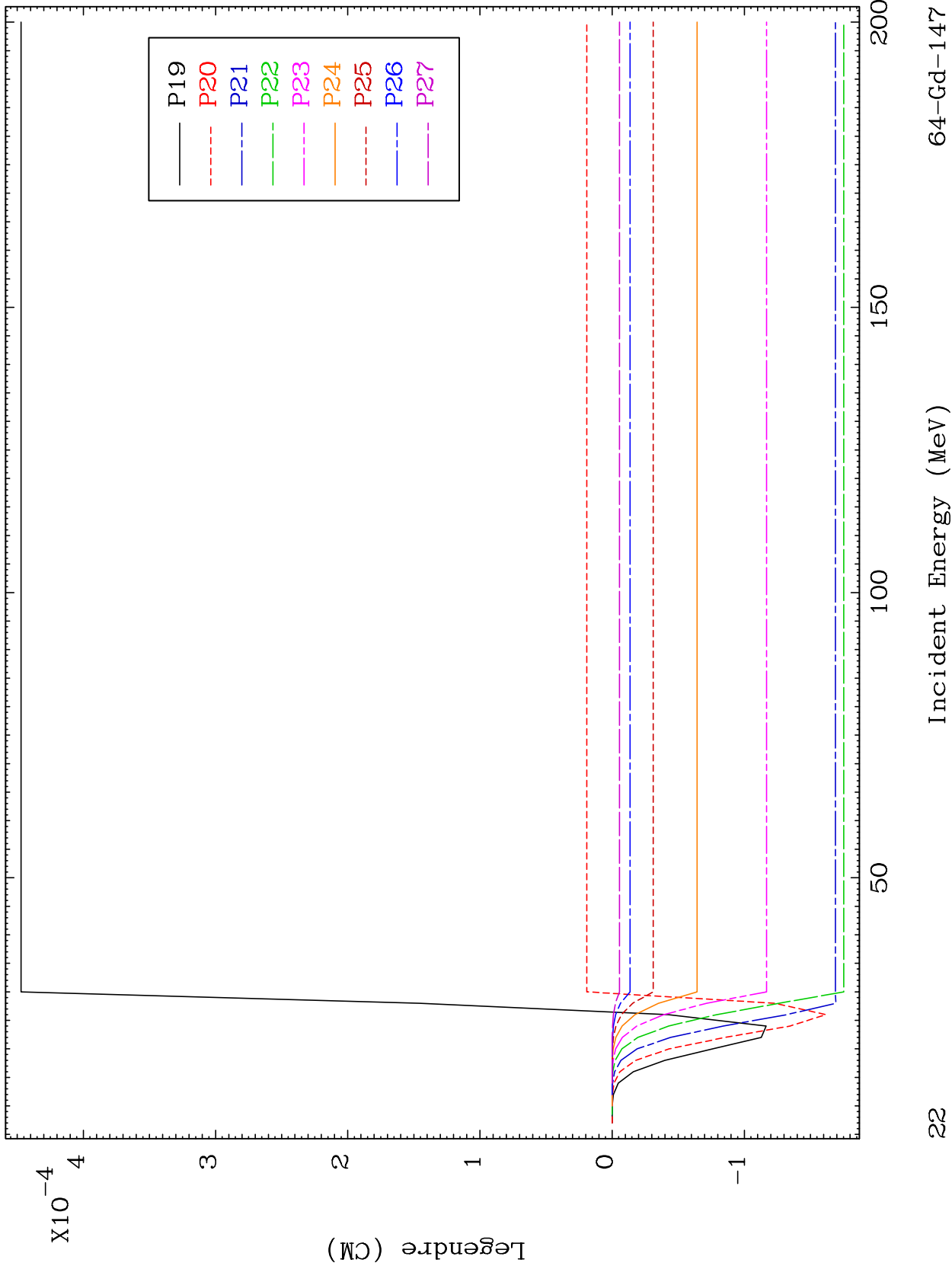
64-Gd-147

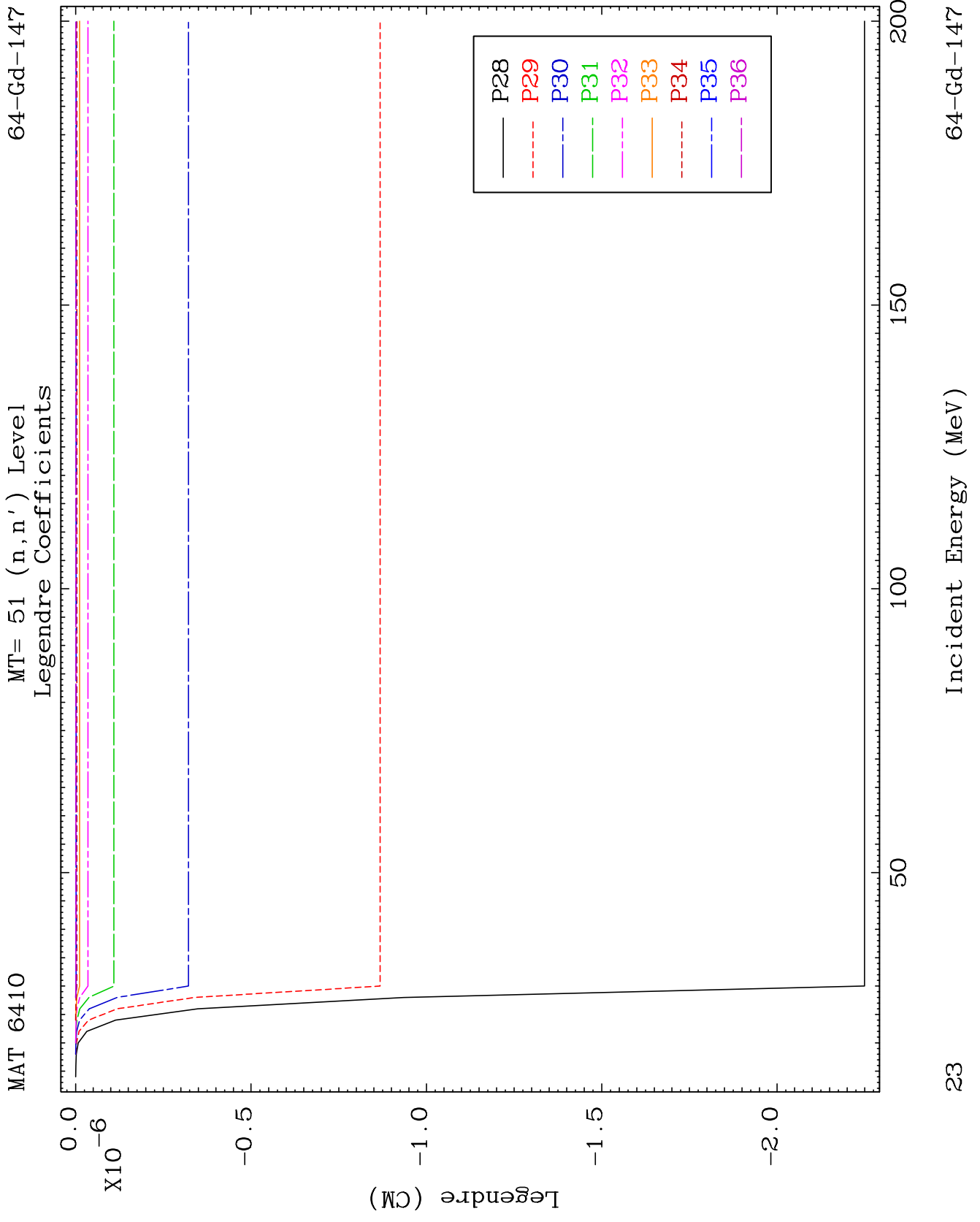


21

Incident Energy (MeV)

64-Gd-147

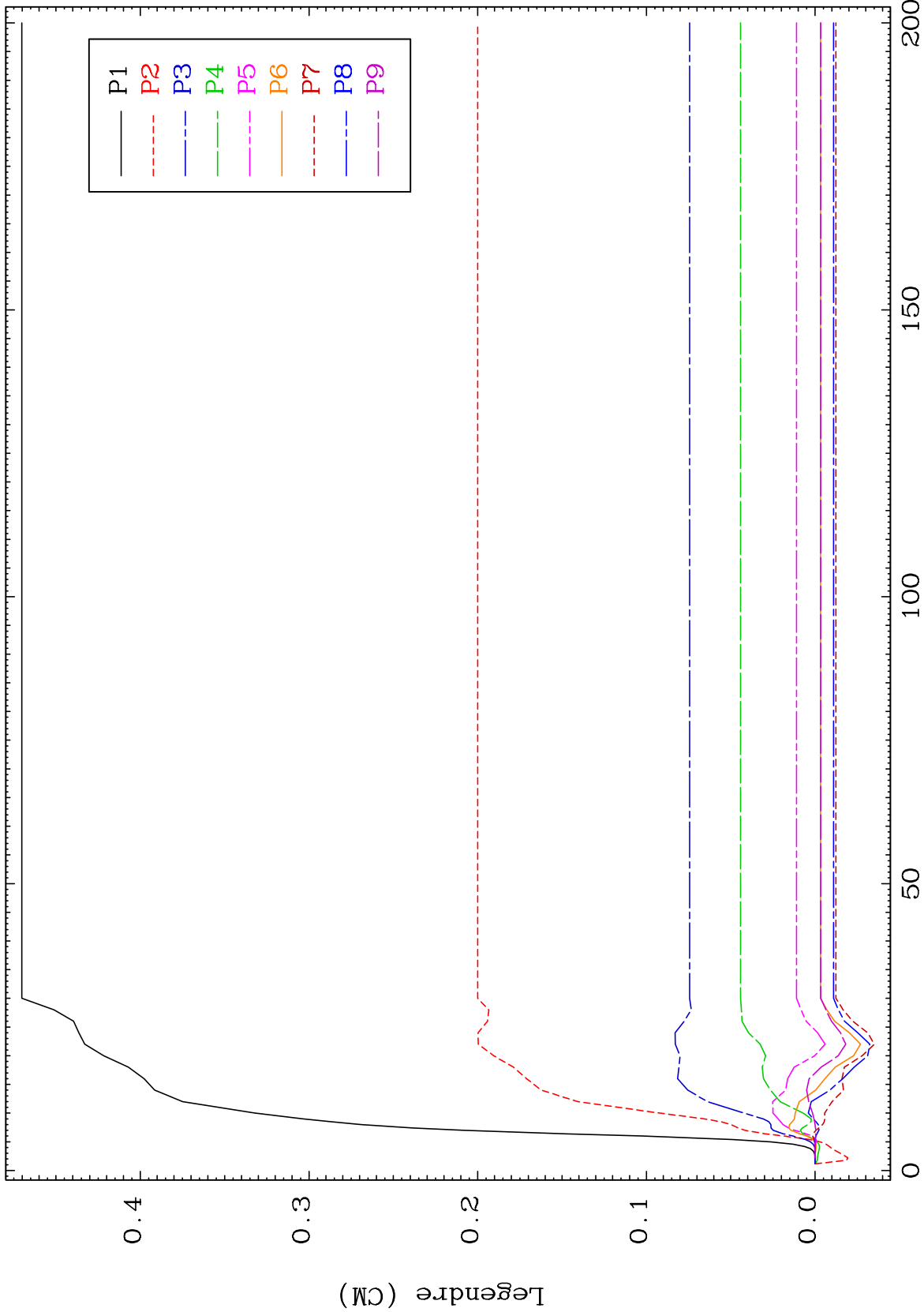




MAT 6410

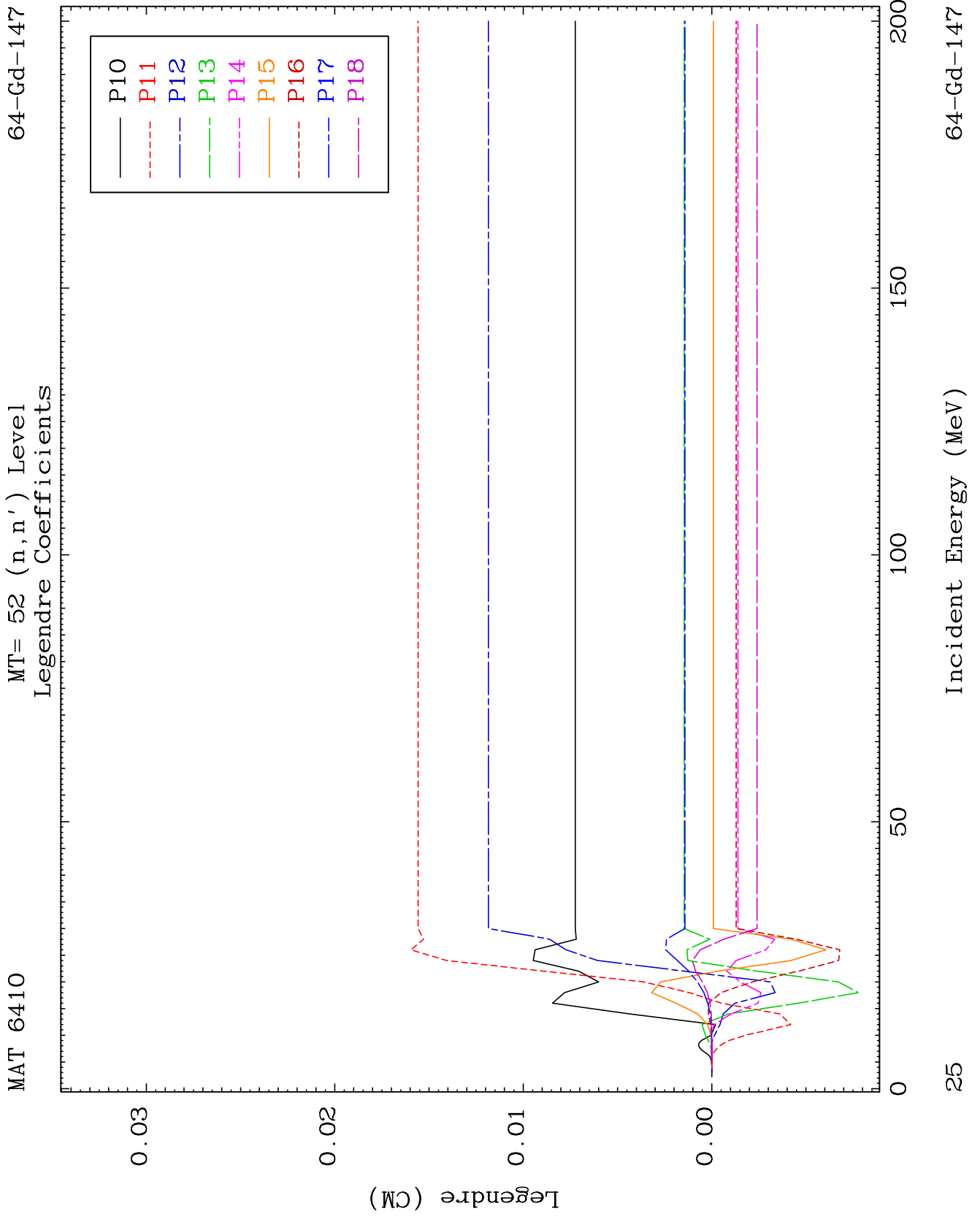
MT= 52 (n,n') Level
Legendre Coefficients

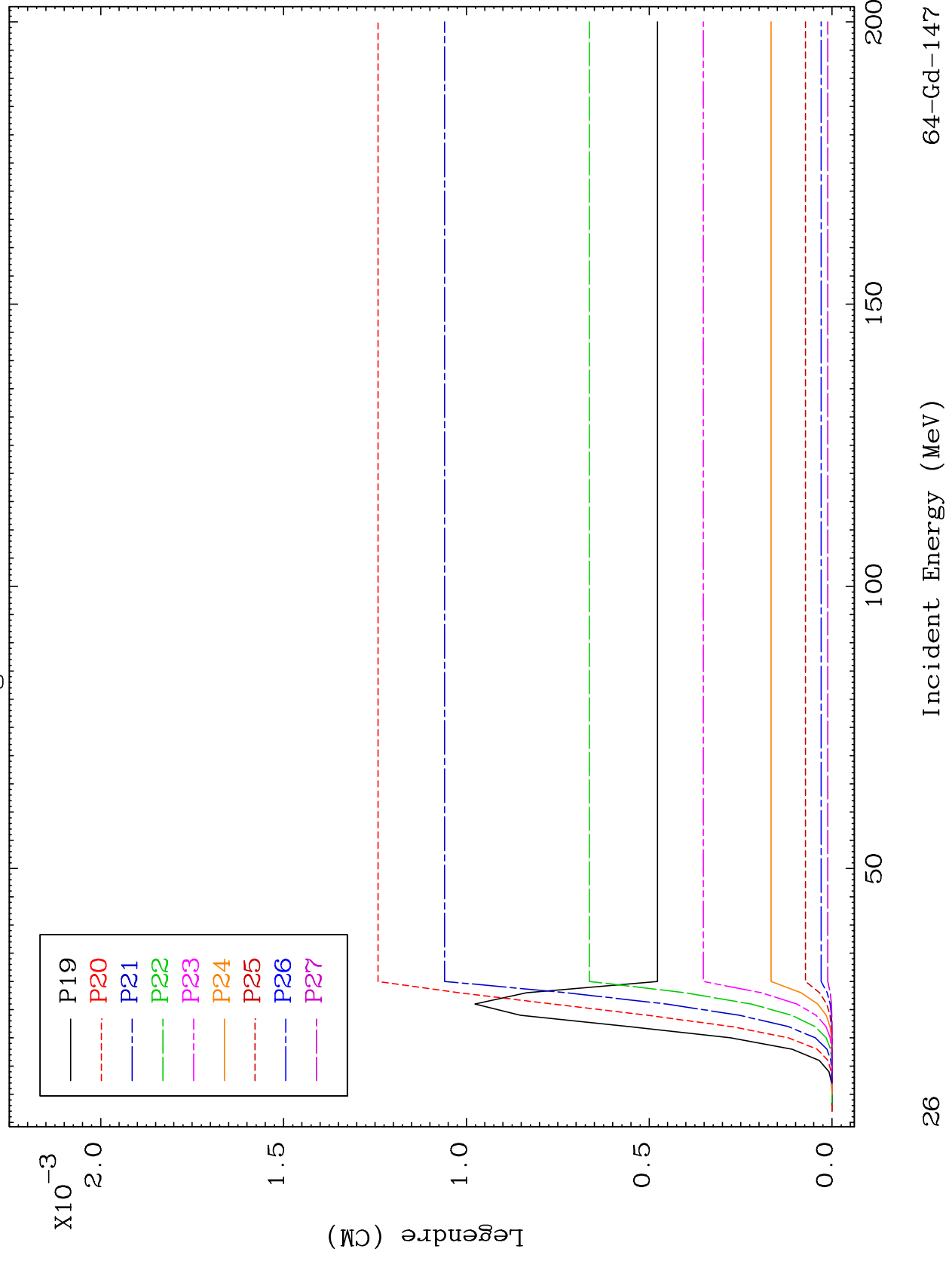
64-Gd-147



24

64-Gd-147

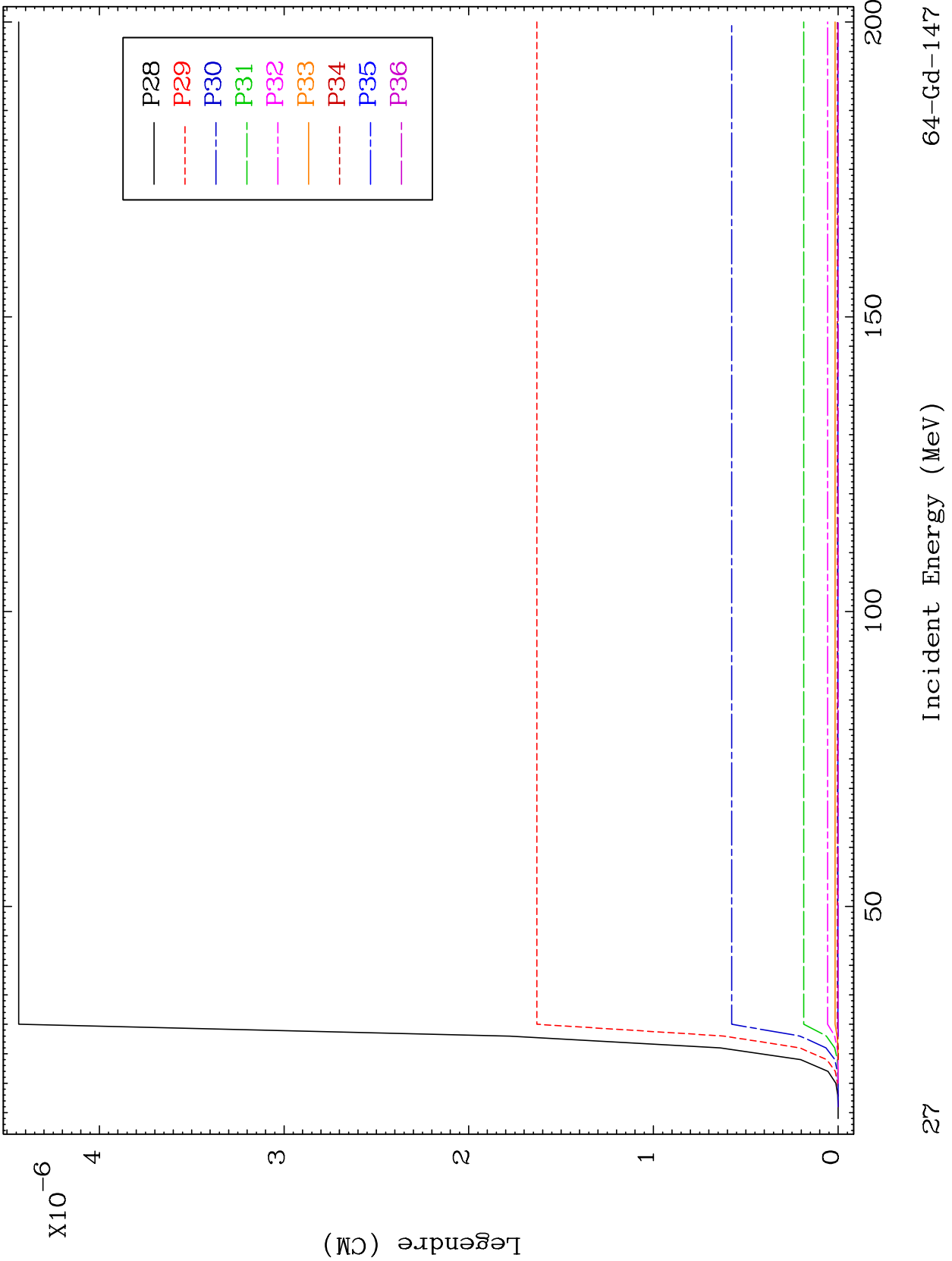




MAT 6410

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

64-Gd-147



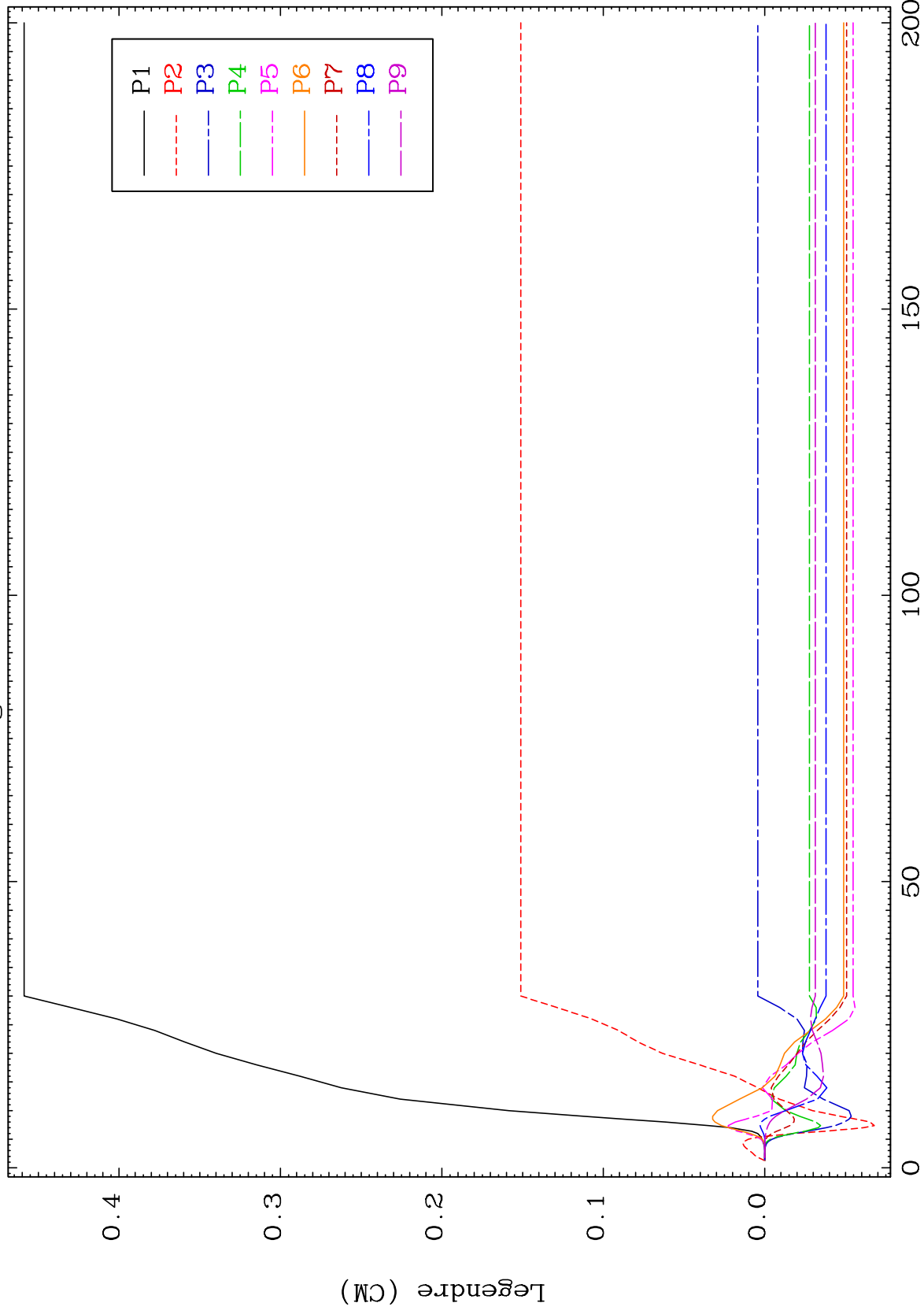
27

64-Gd-147

MAT 6410

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

64-Gd-147



28

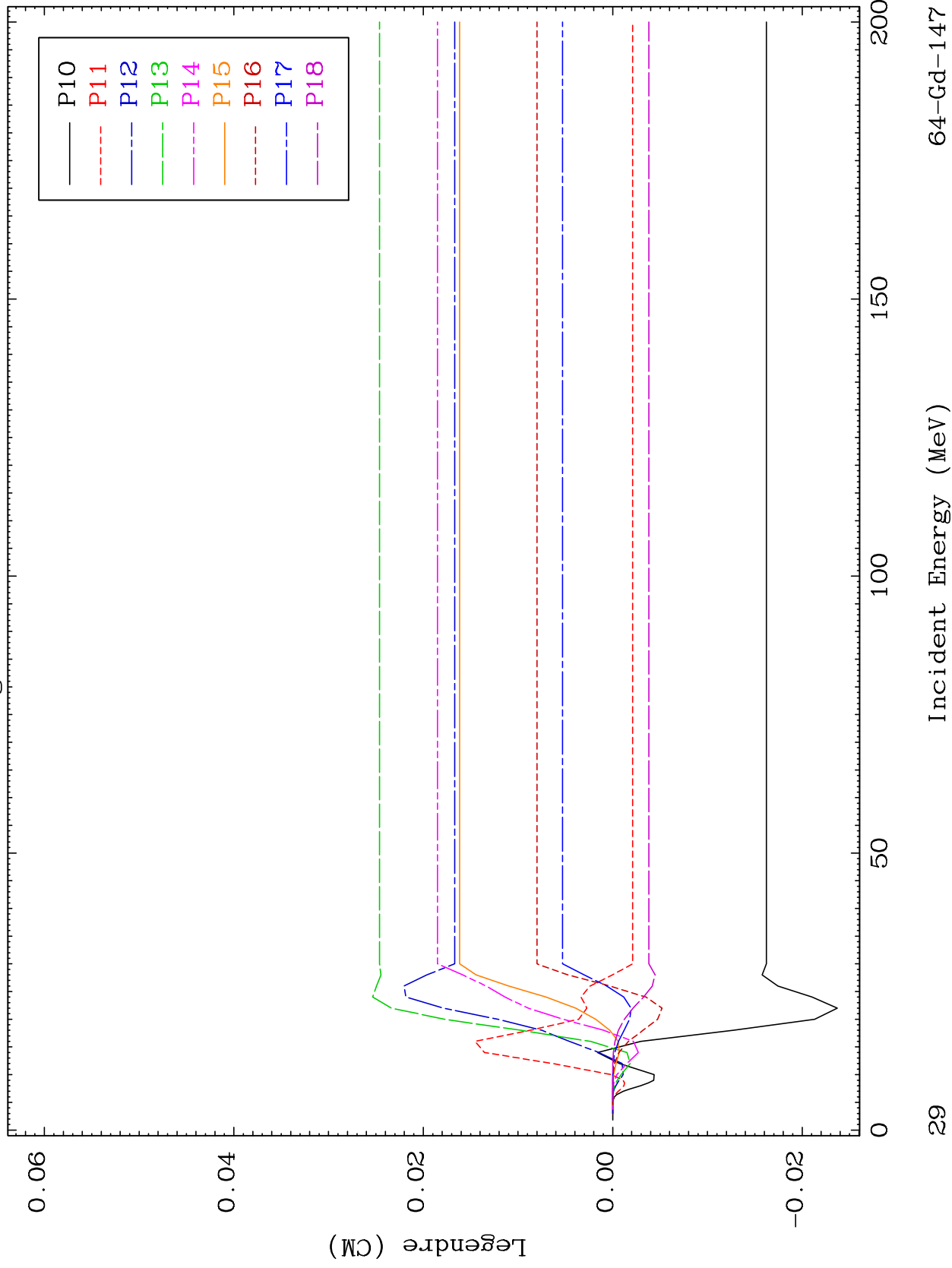
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

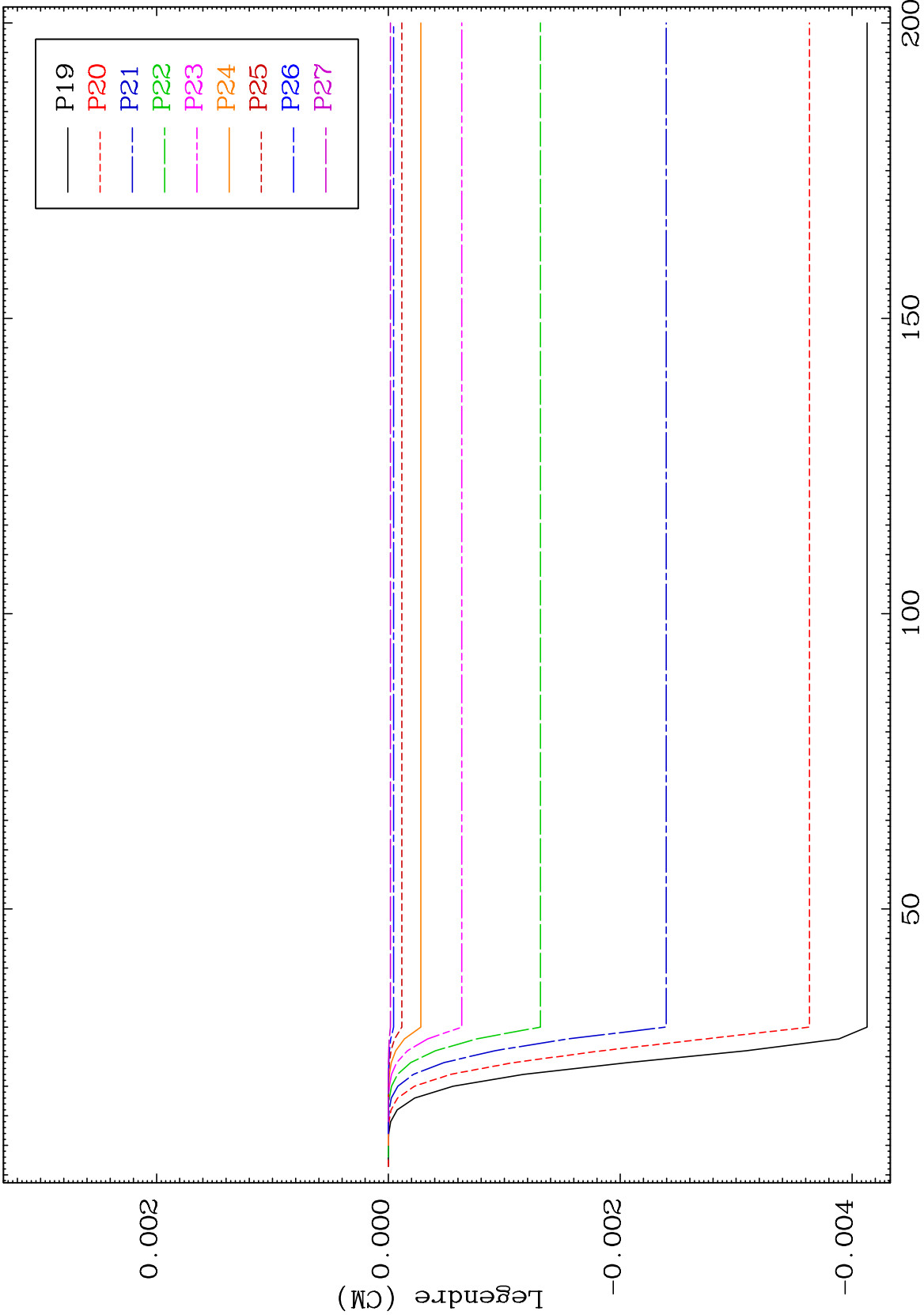
Incident Energy (MeV)

29

MAT 6410

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

64-Gd-147



30

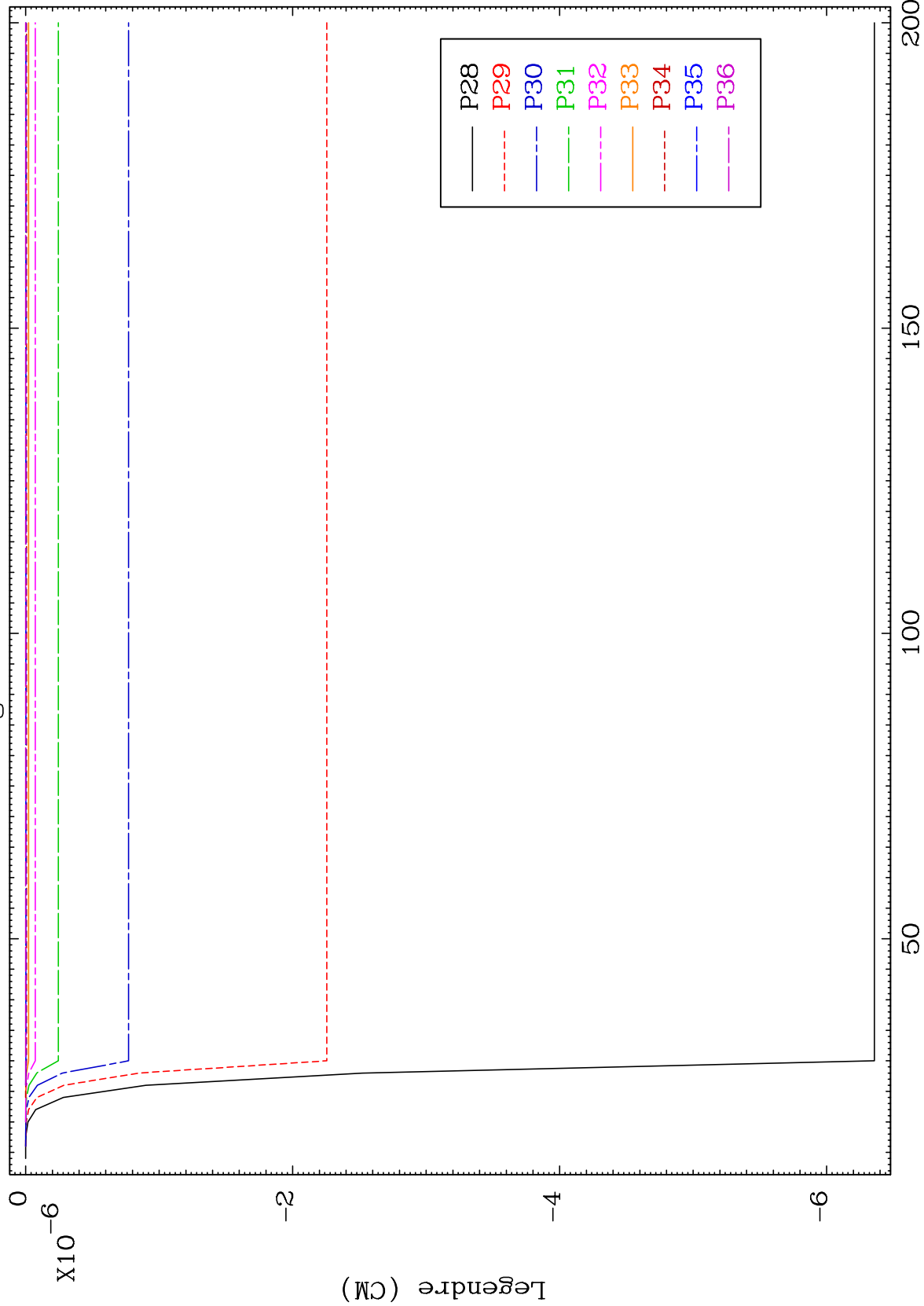
Incident Energy (MeV)

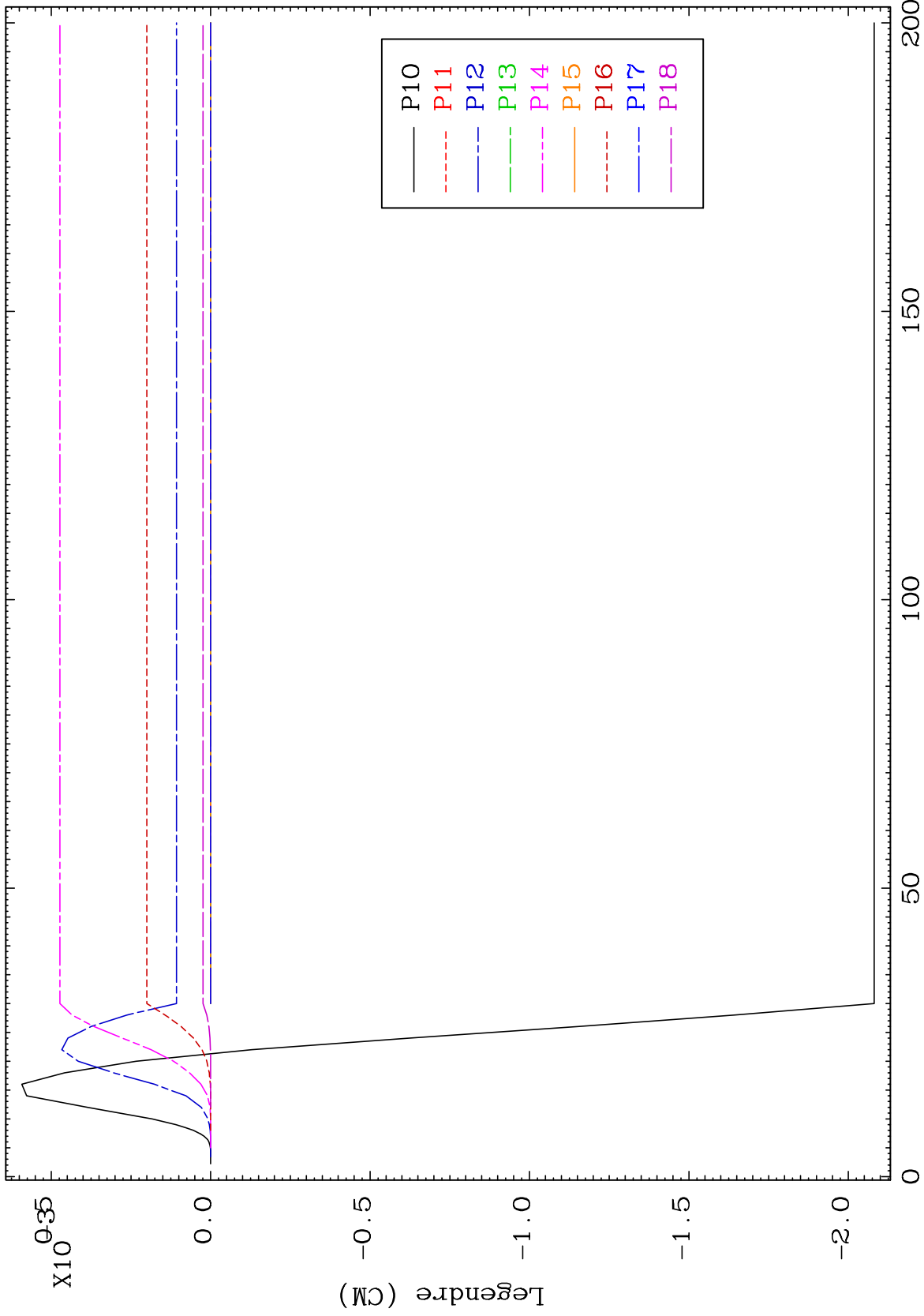
64-Gd-147

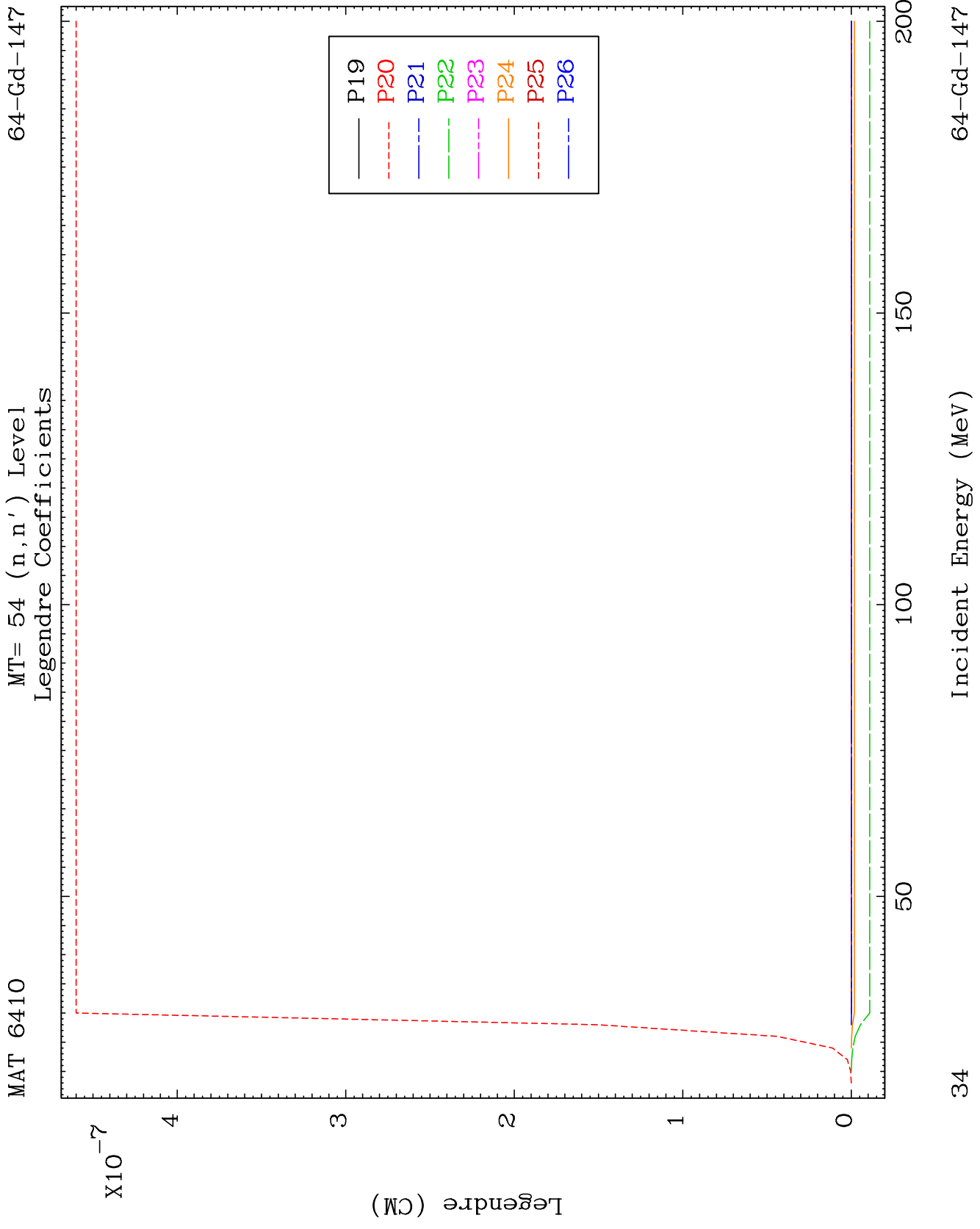
MAT 6410

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

64-Gd-147



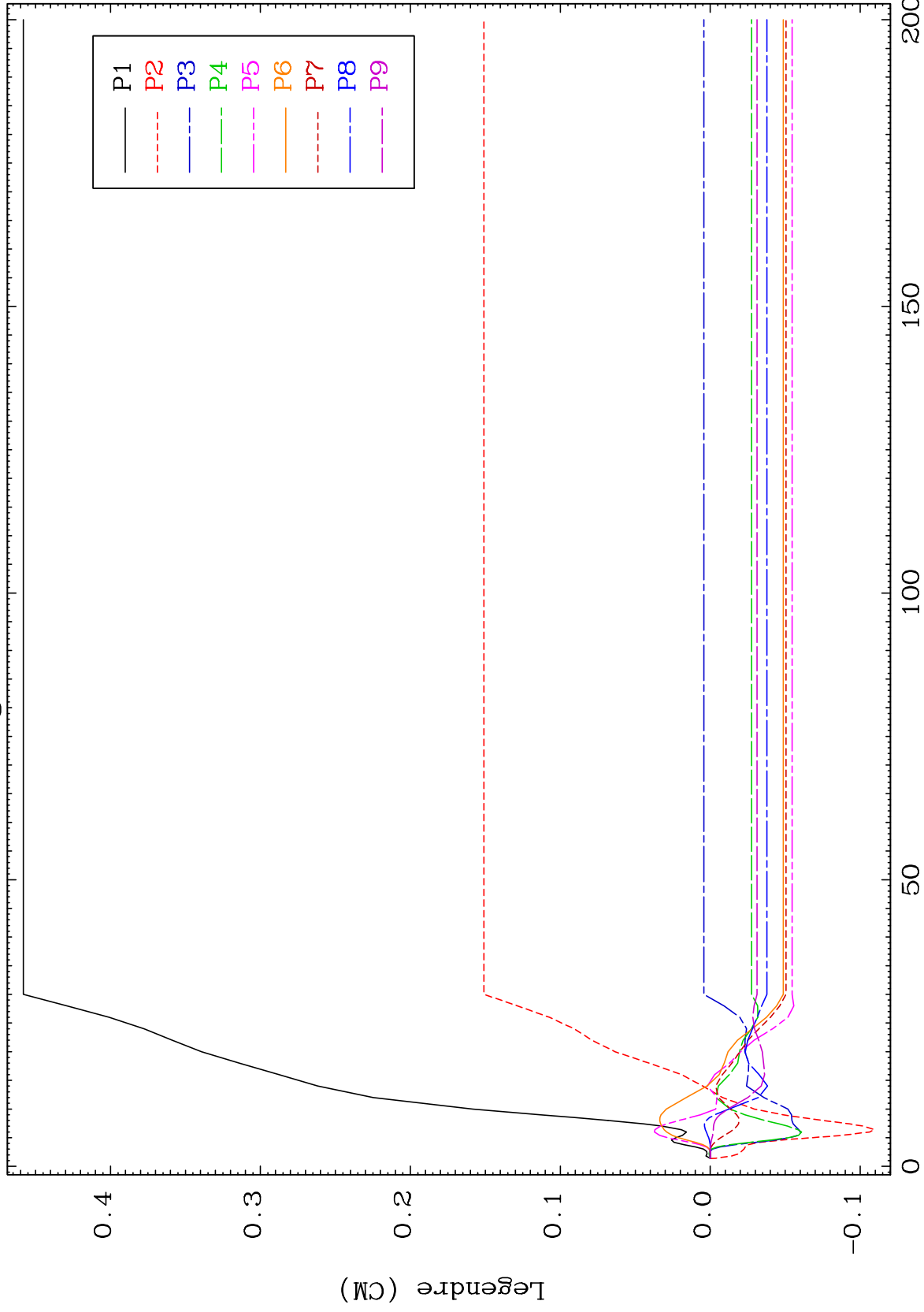




MAT 6410

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

64-Gd-147



64-Gd-147

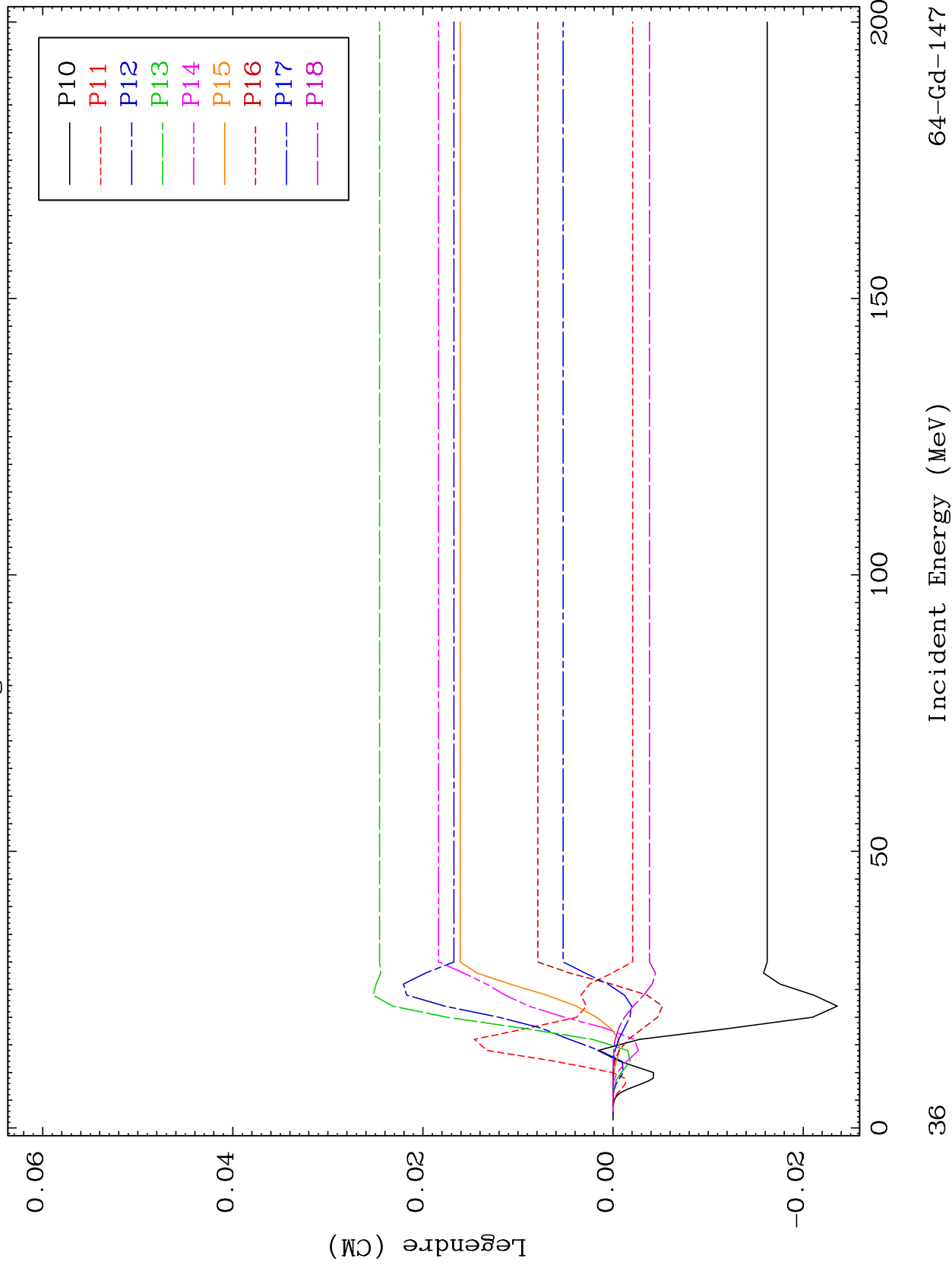
Incident Energy (MeV)

35

MAT 6410

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

64-Gd-147



64-Gd-147

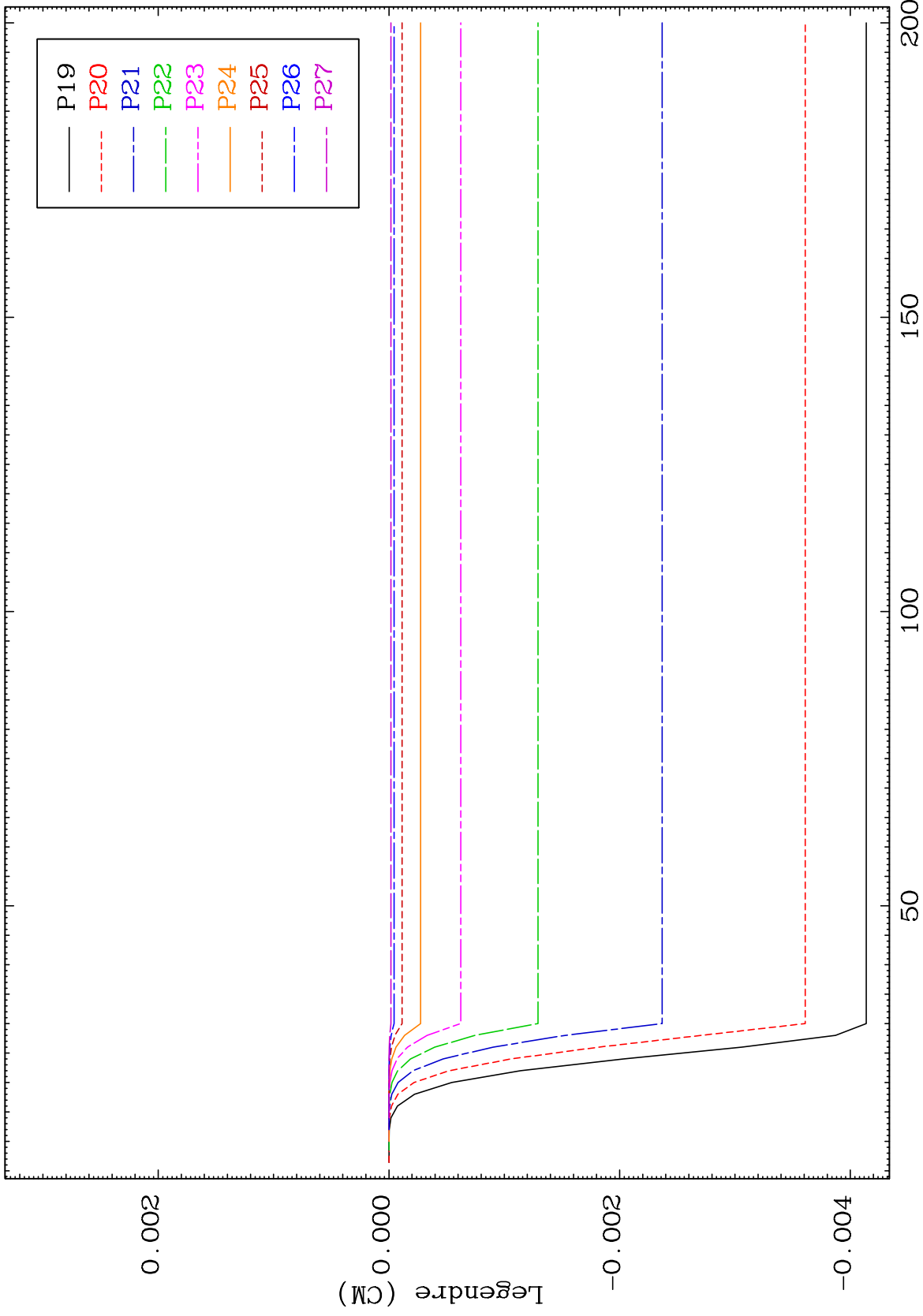
Incident Energy (MeV)

36

MAT 6410

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

64-Gd-147



37

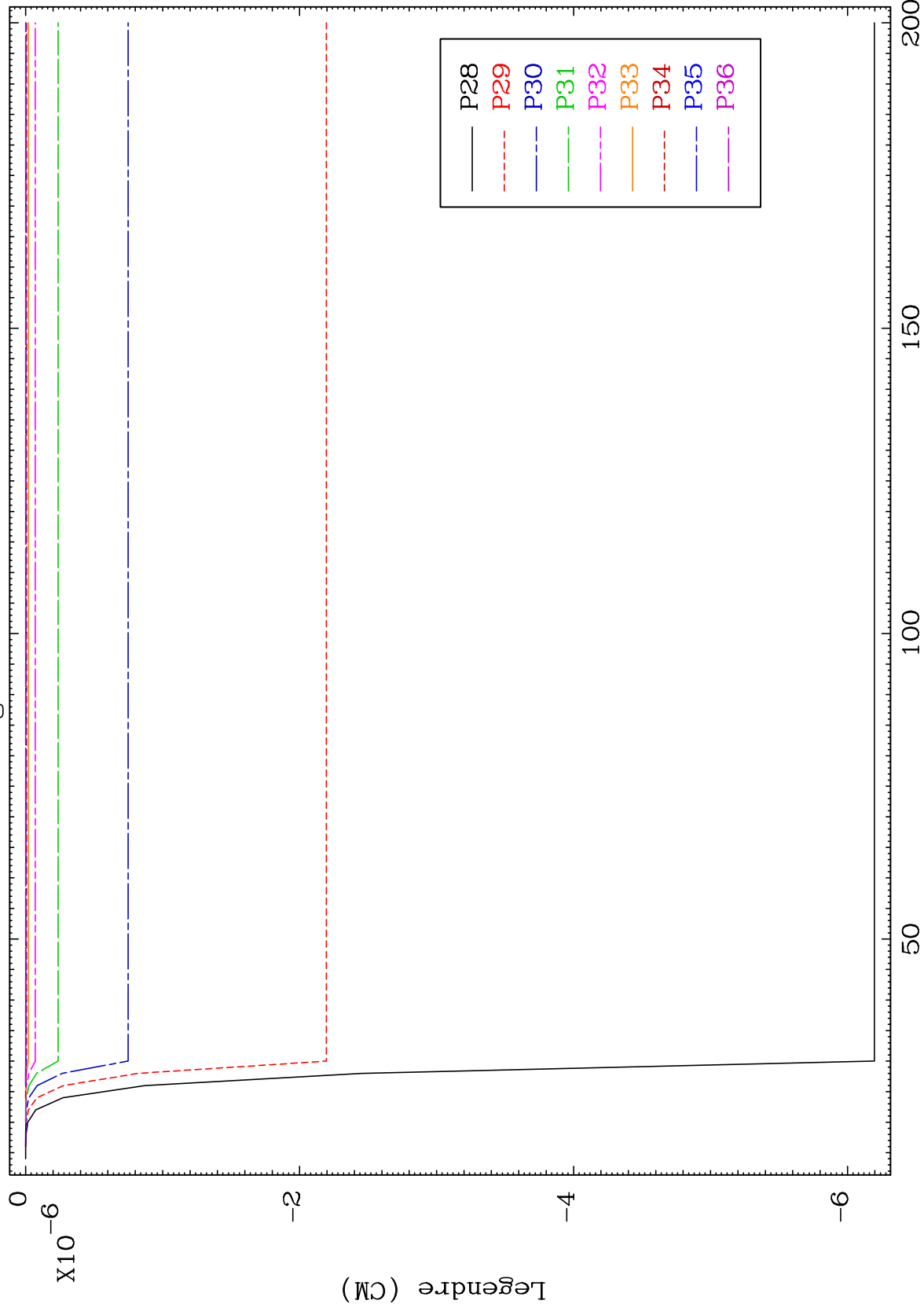
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



38

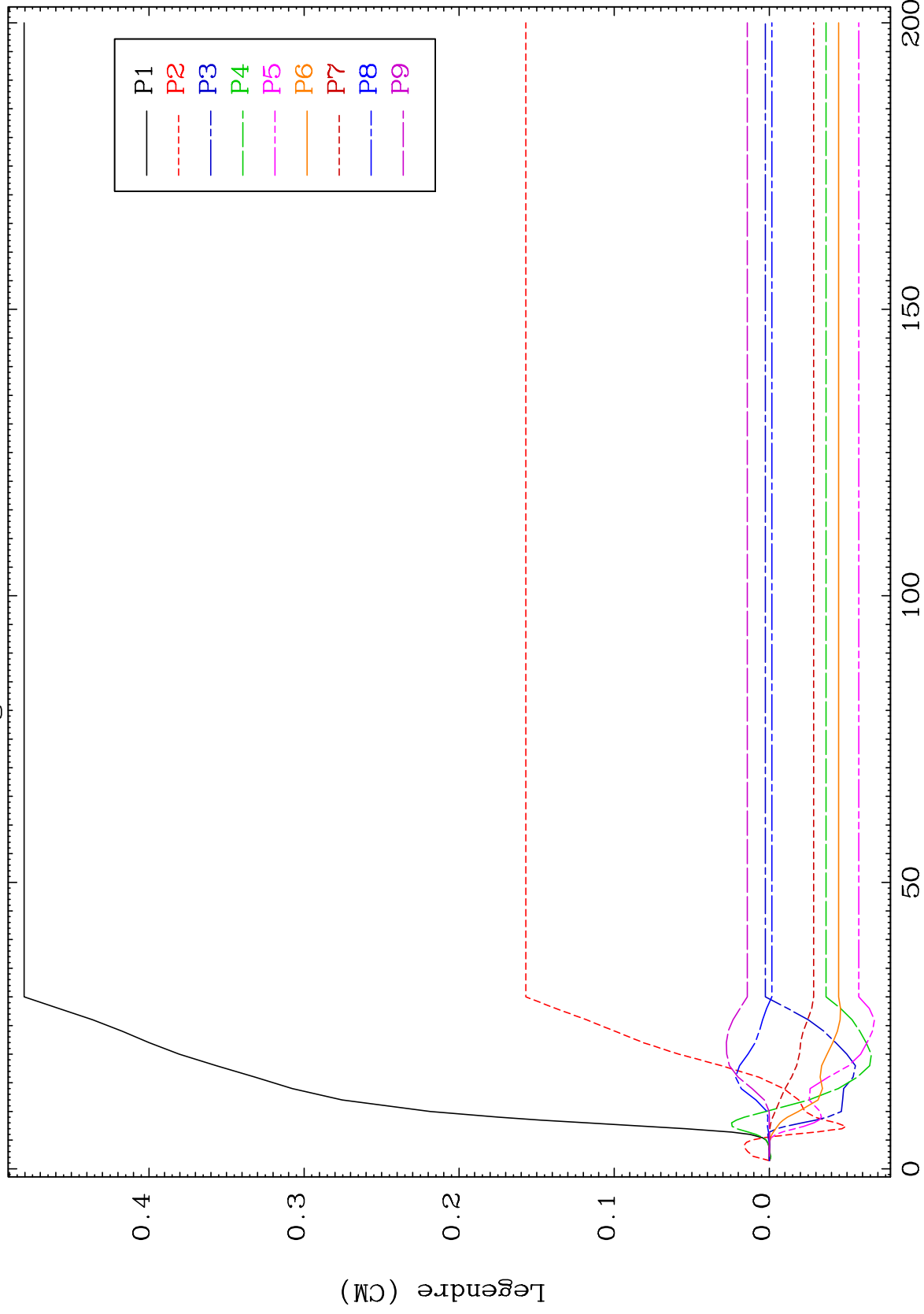
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



39

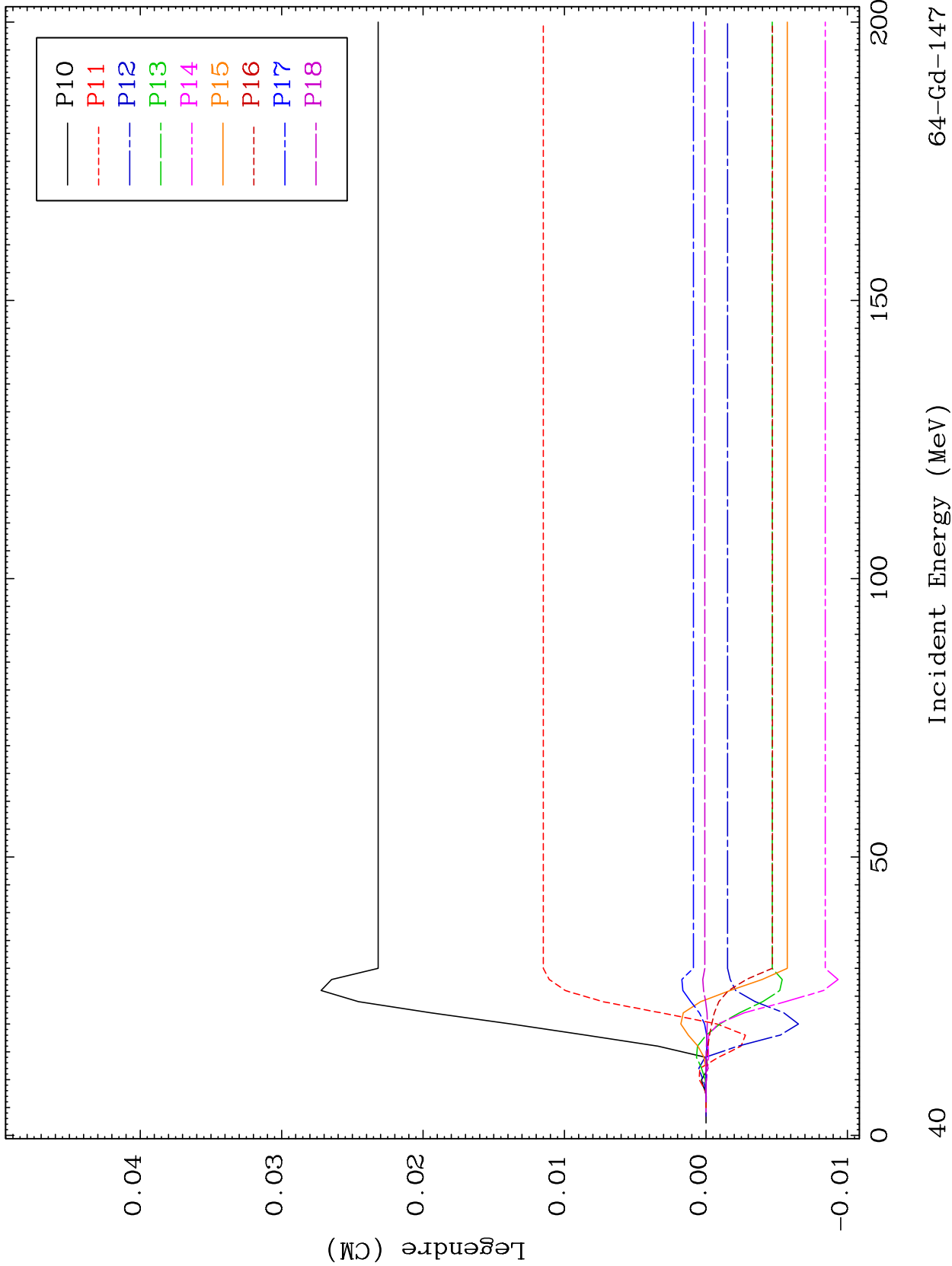
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

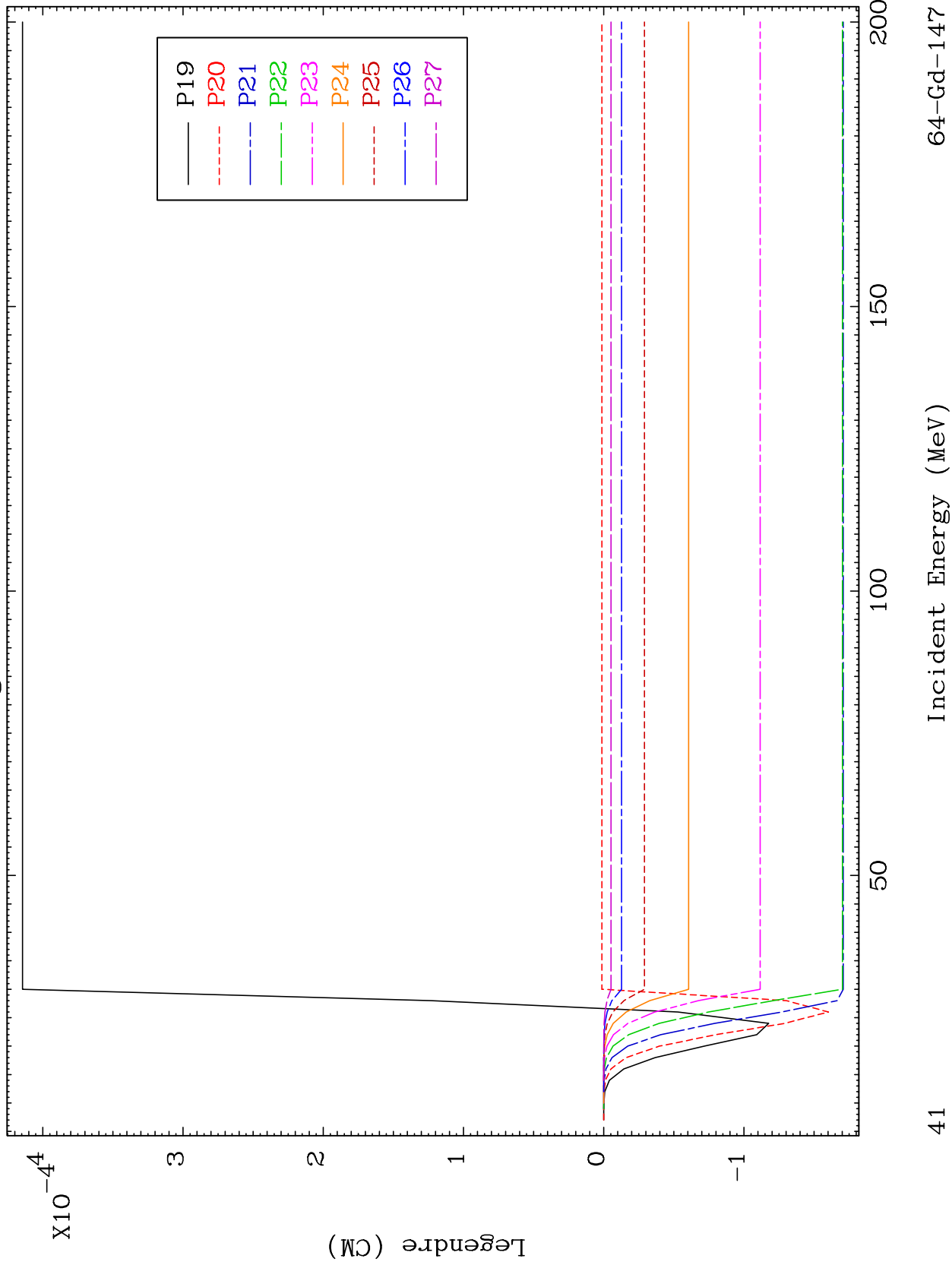
Incident Energy (MeV)

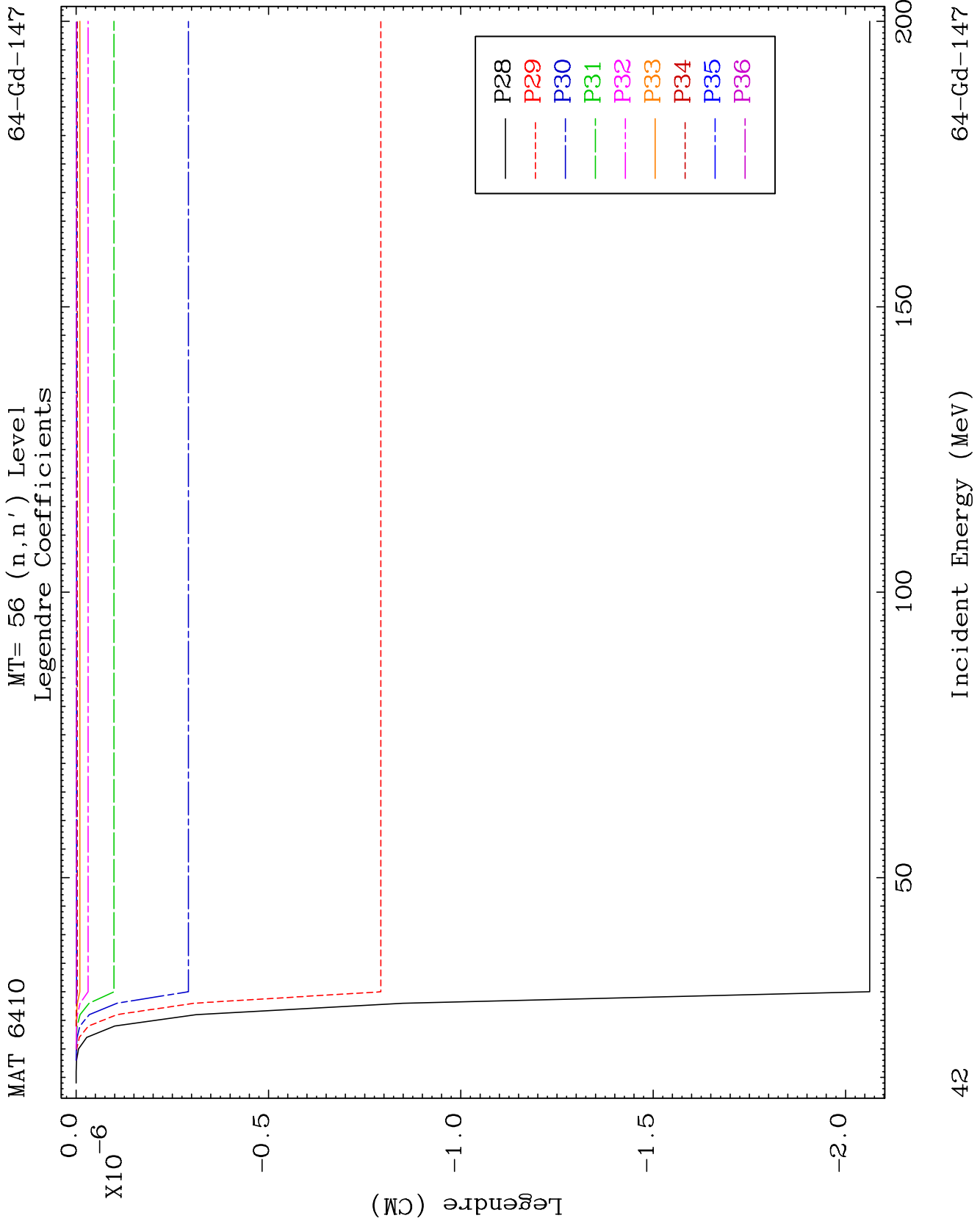
40

MAT 6410

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

64-Gd-147

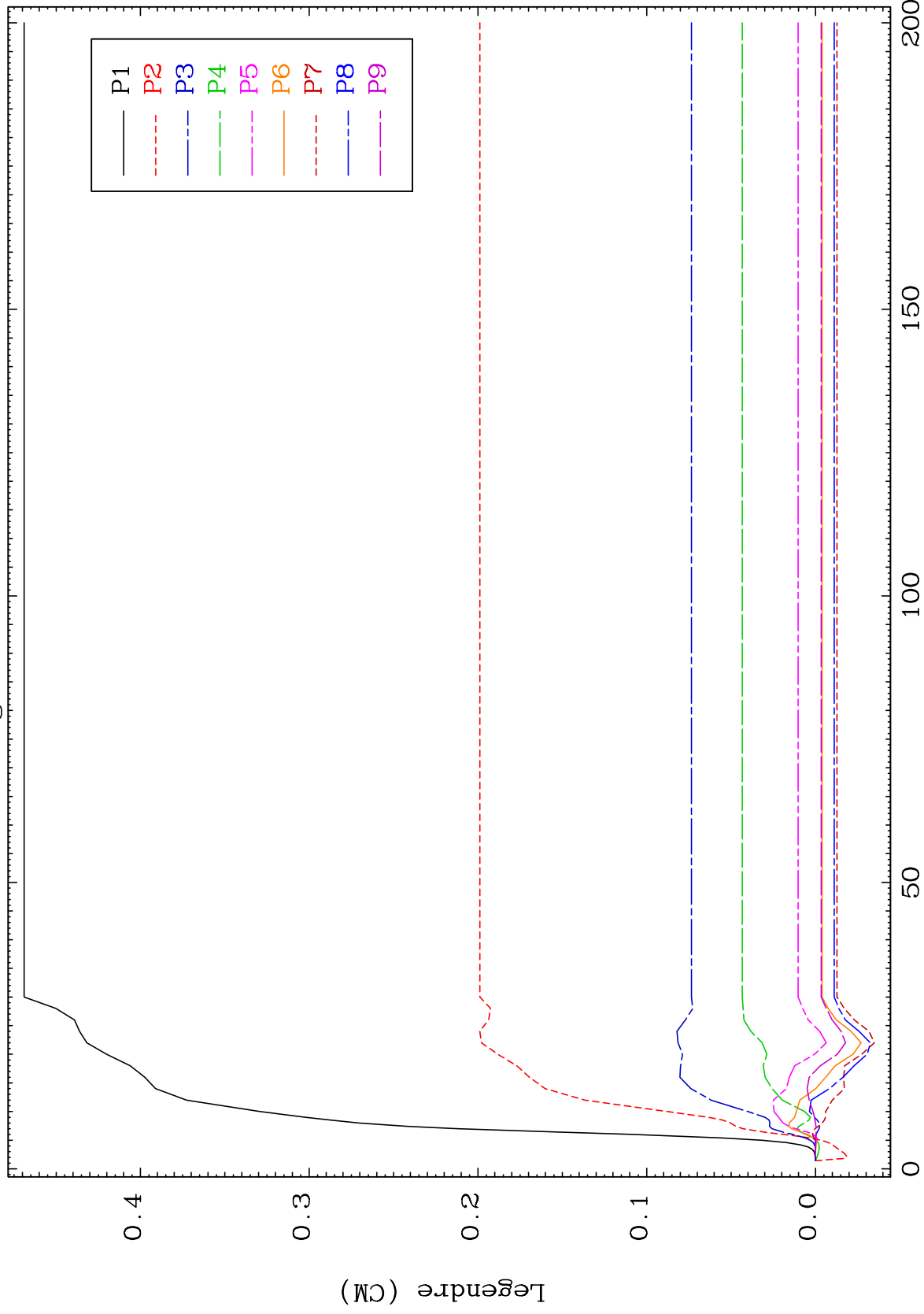




MAT 6410

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

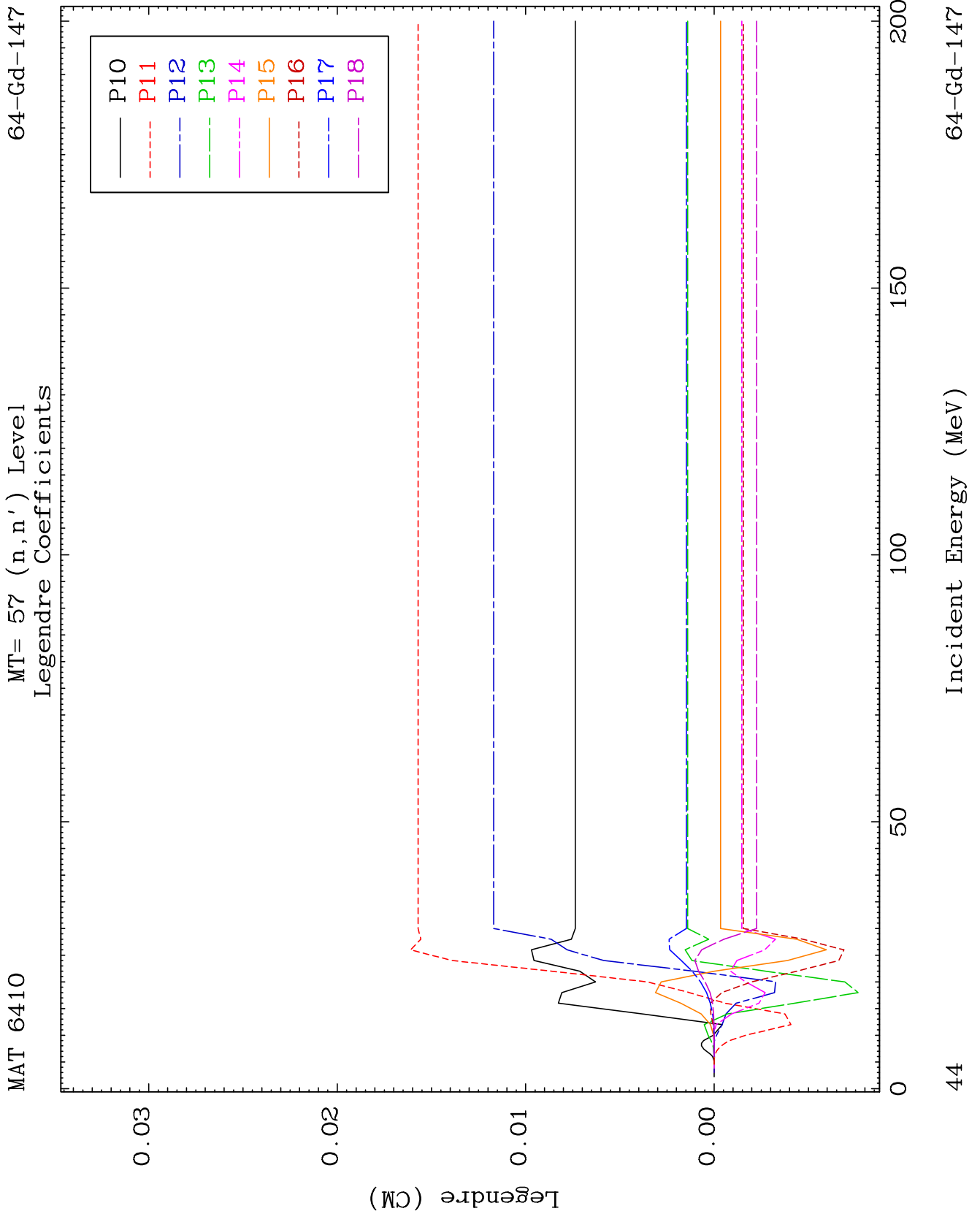
64-Gd-147



43

Incident Energy (MeV)

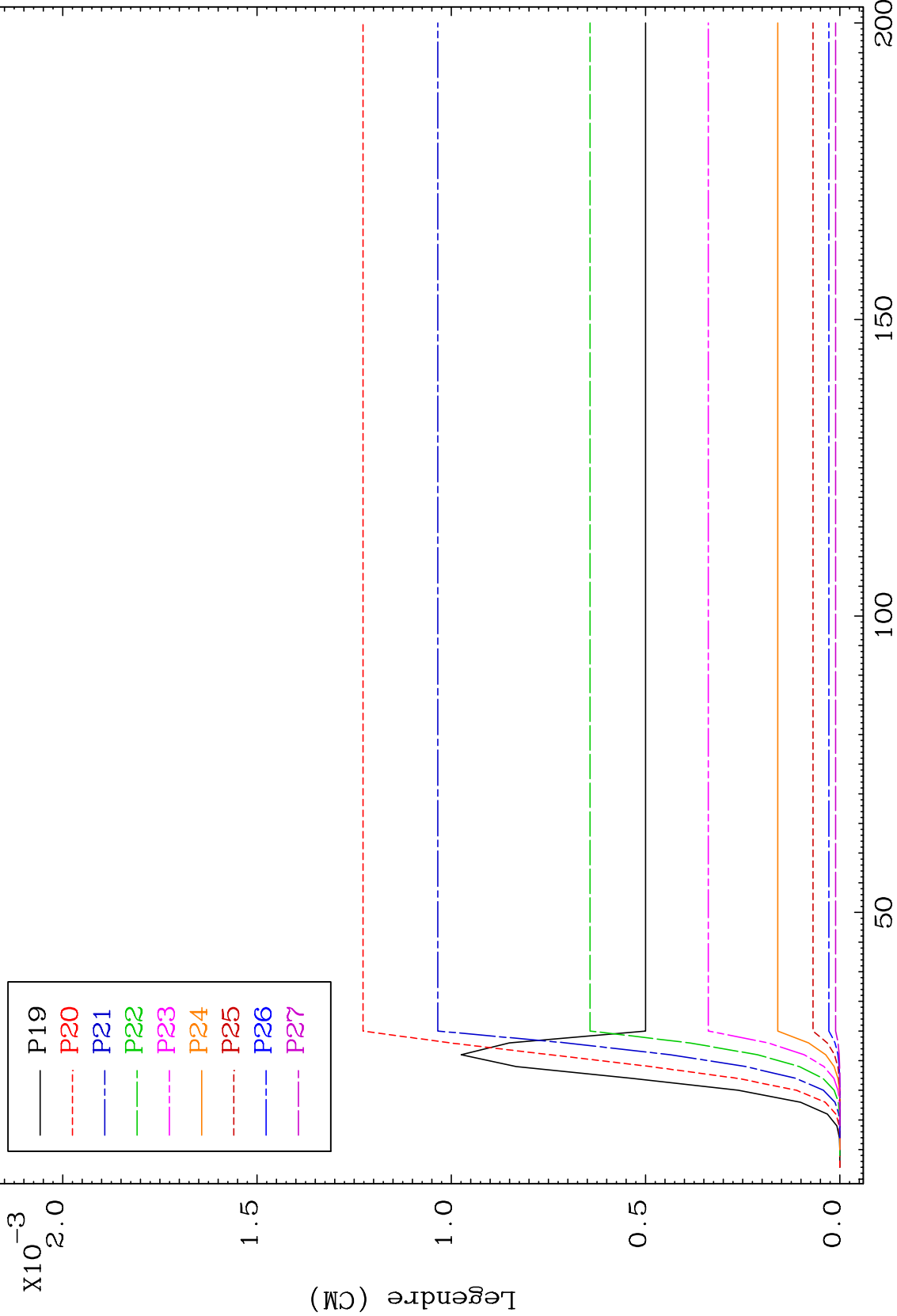
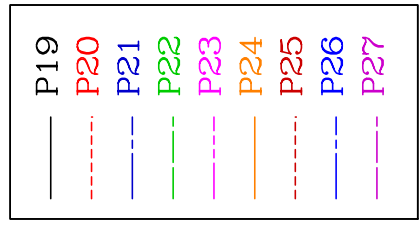
64-Gd-147



MAT 6410

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

64-Gd-147



45

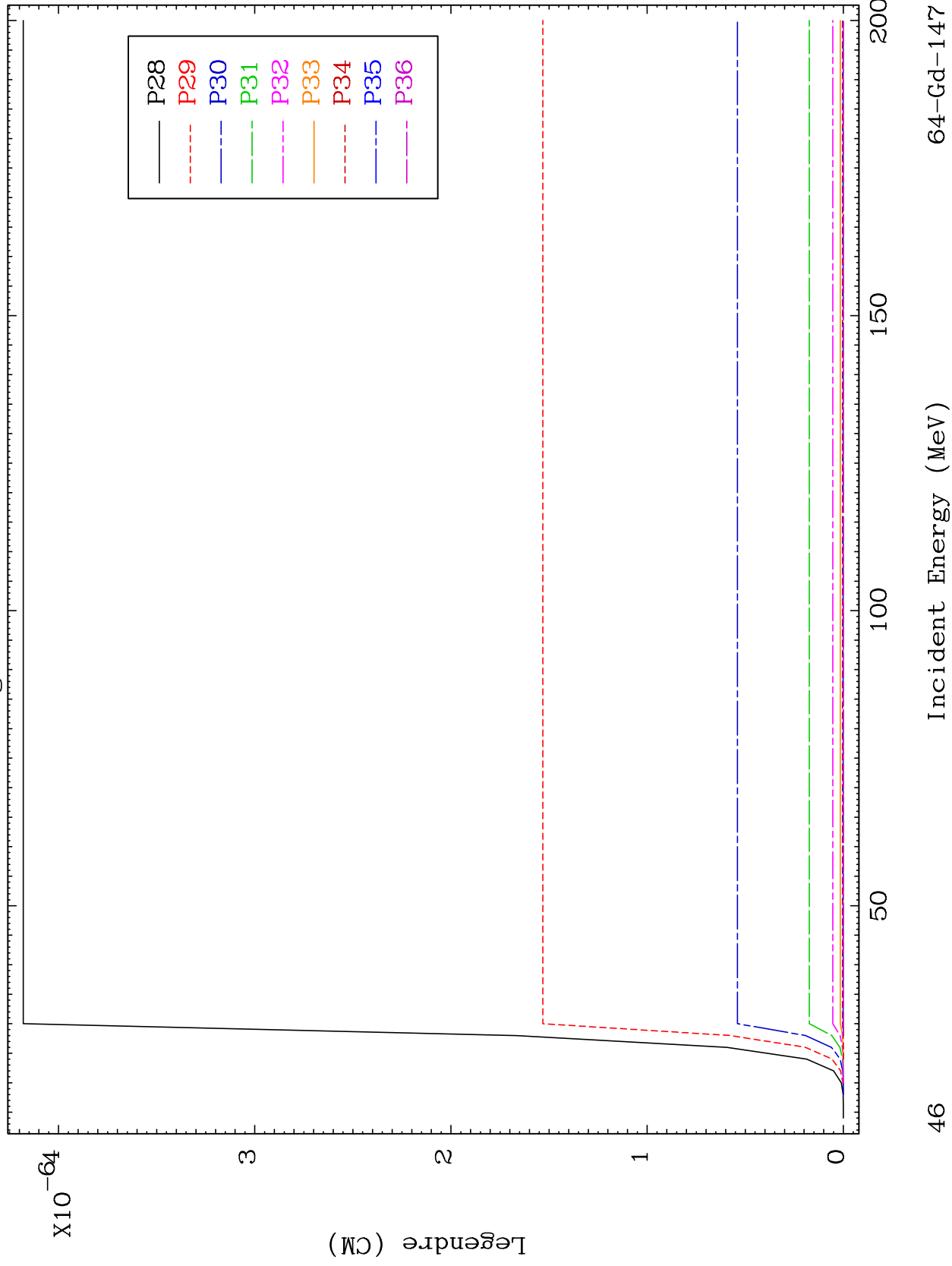
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

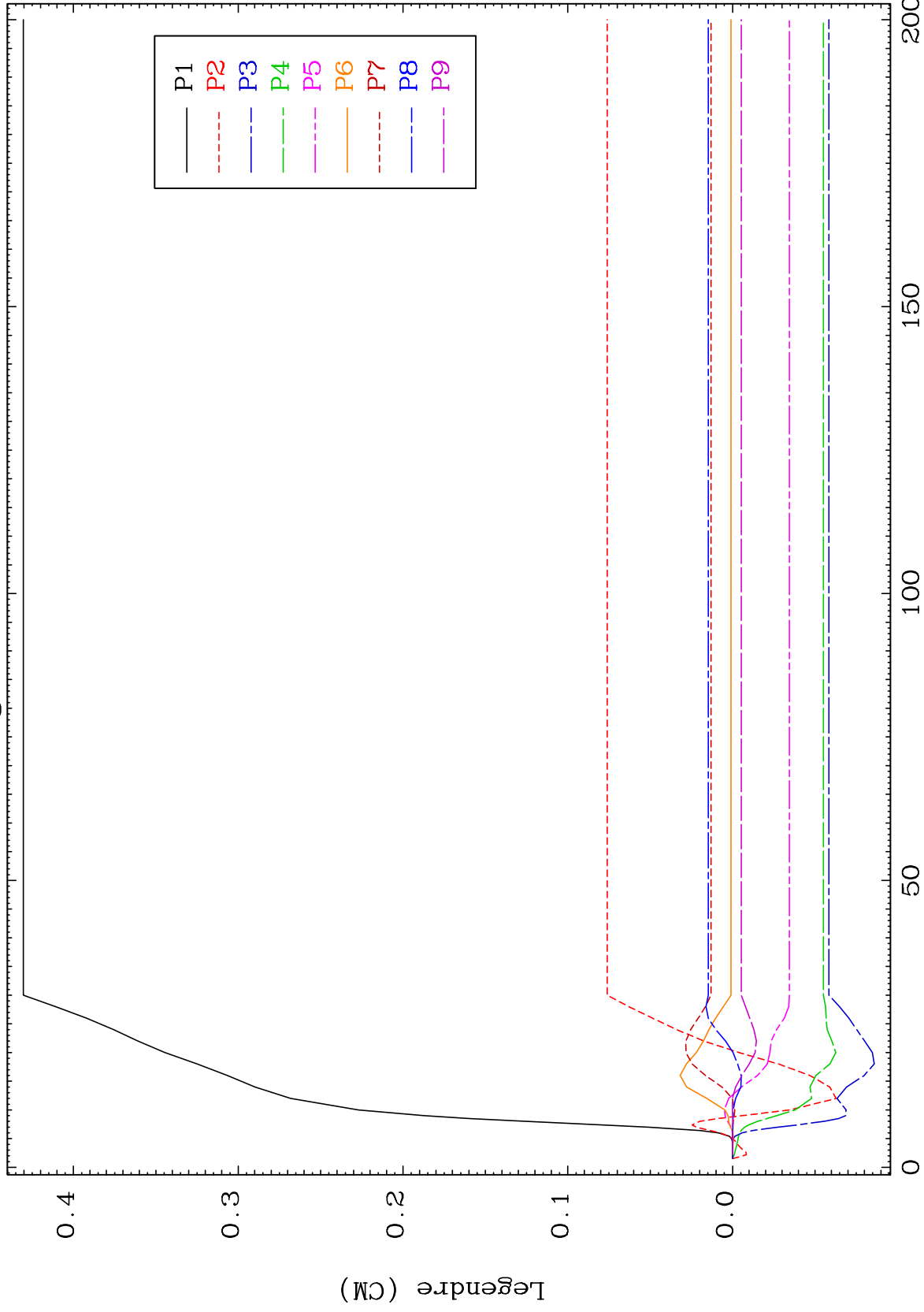
64-Gd-147



MAT 6410

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

64-Gd-147



47

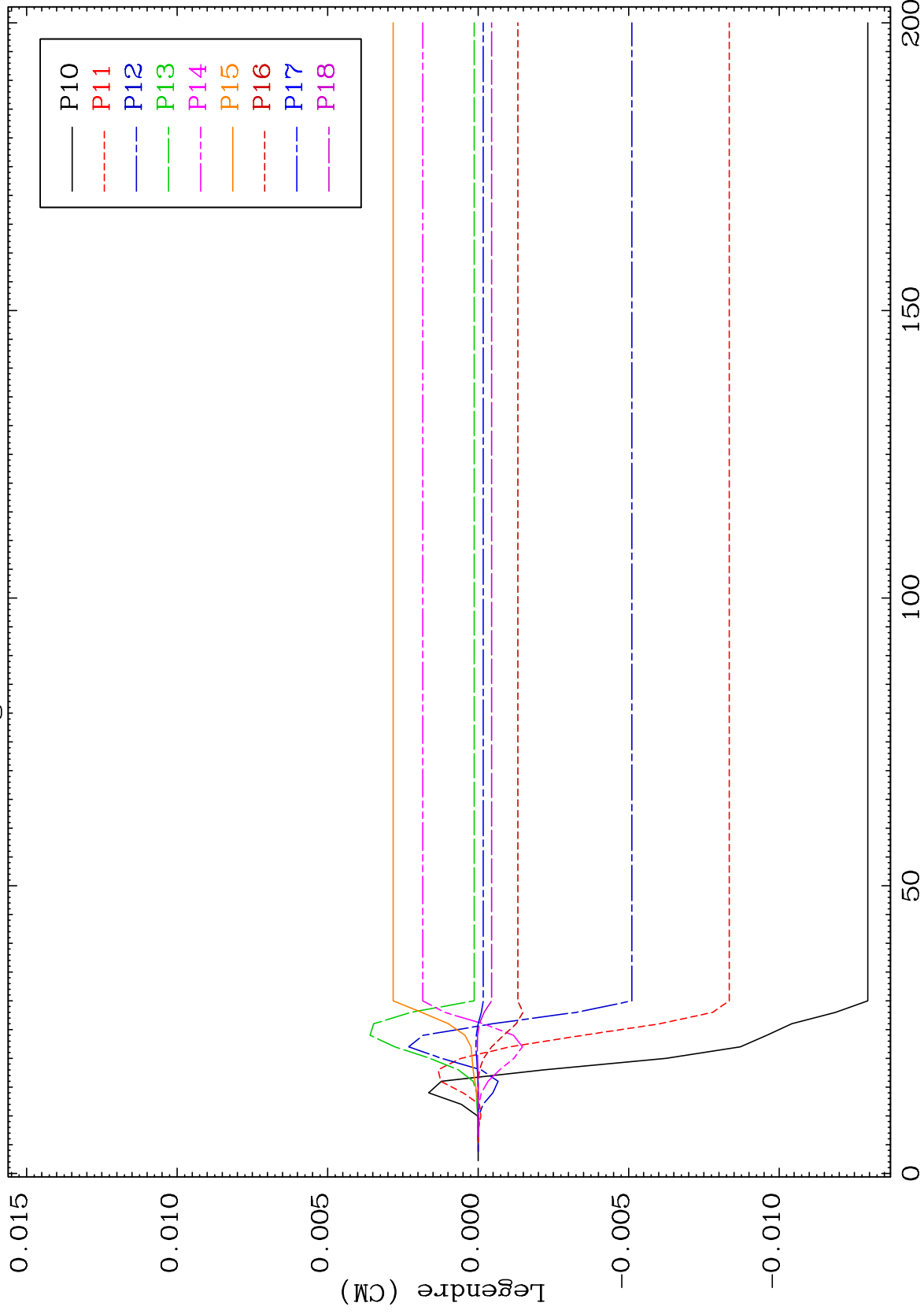
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

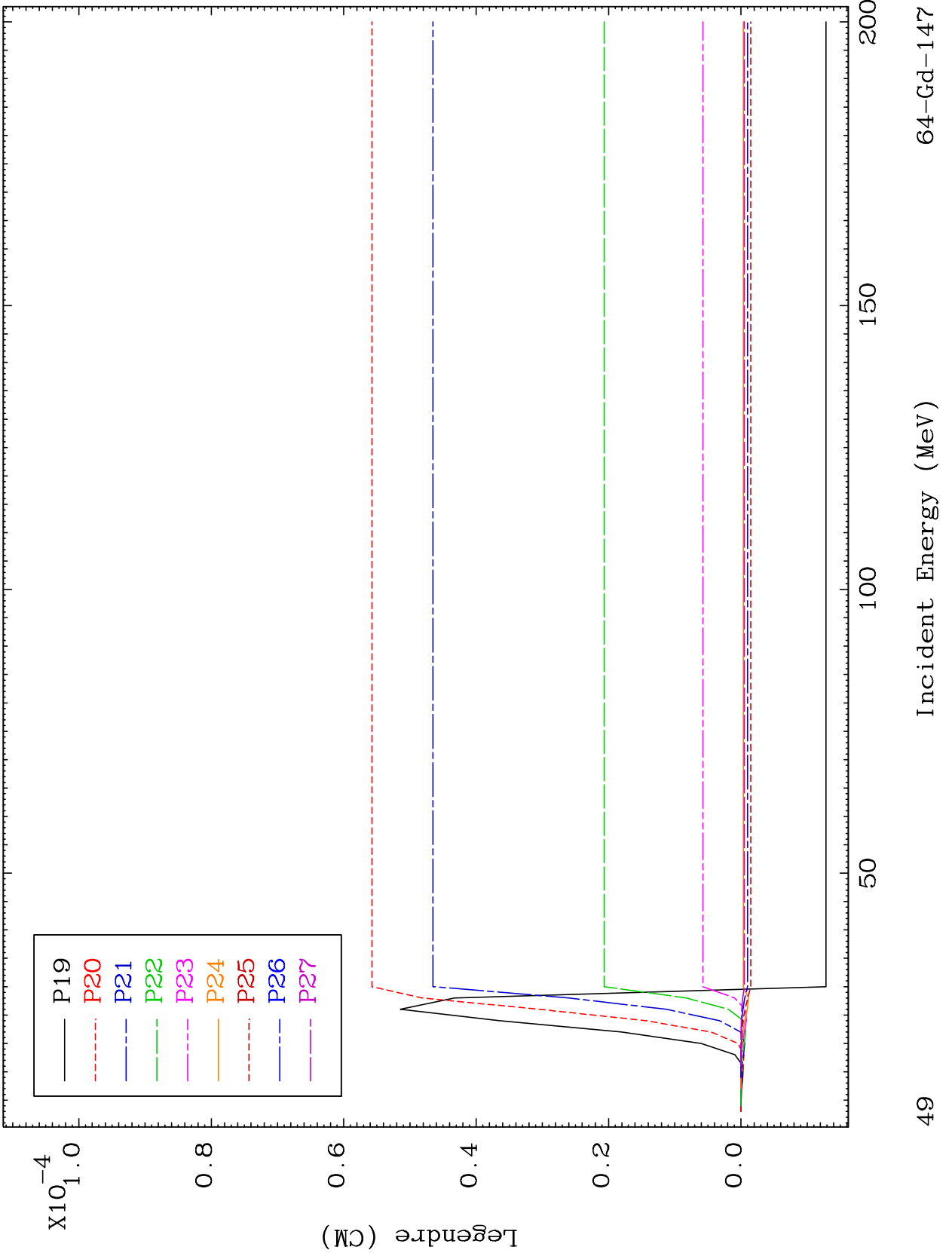
64-Gd-147



48

Incident Energy (MeV)

64-Gd-147

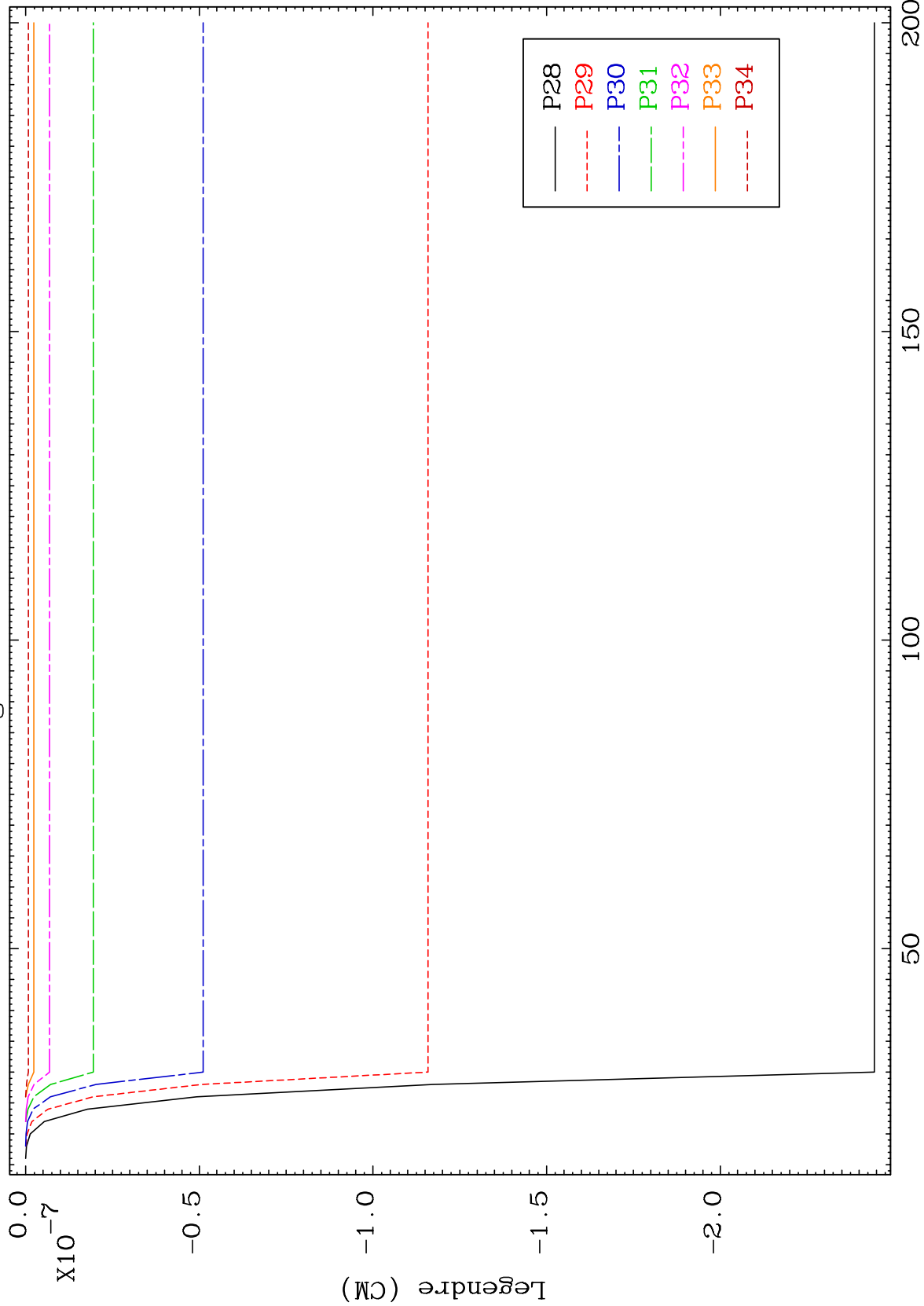


MAT 6410

MT= 58 (n,n') Level

64-Gd-147

Legendre Coefficients



64-Gd-147

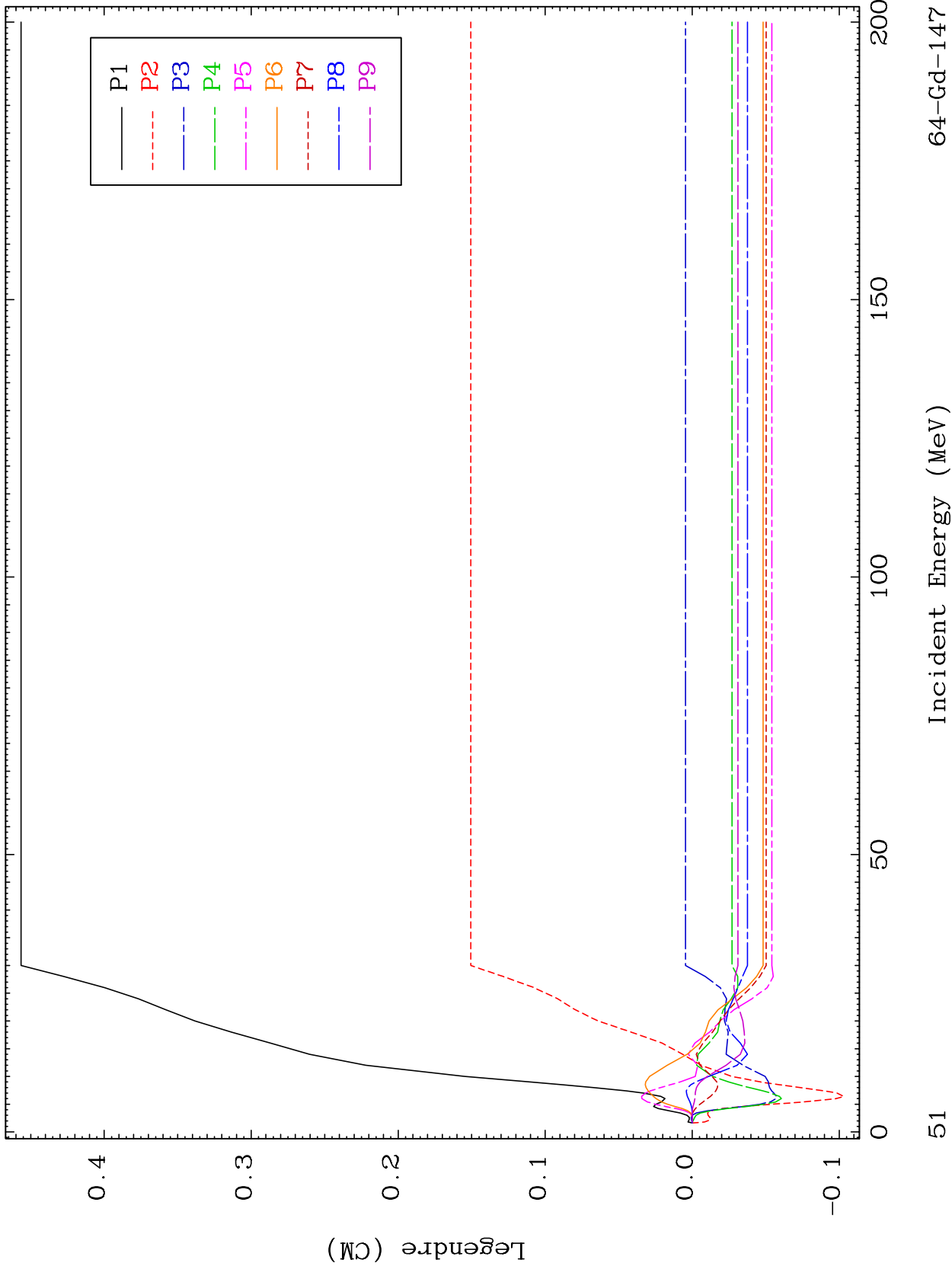
Incident Energy (MeV)

50

MAT 6410

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

64-Gd-147



64-Gd-147

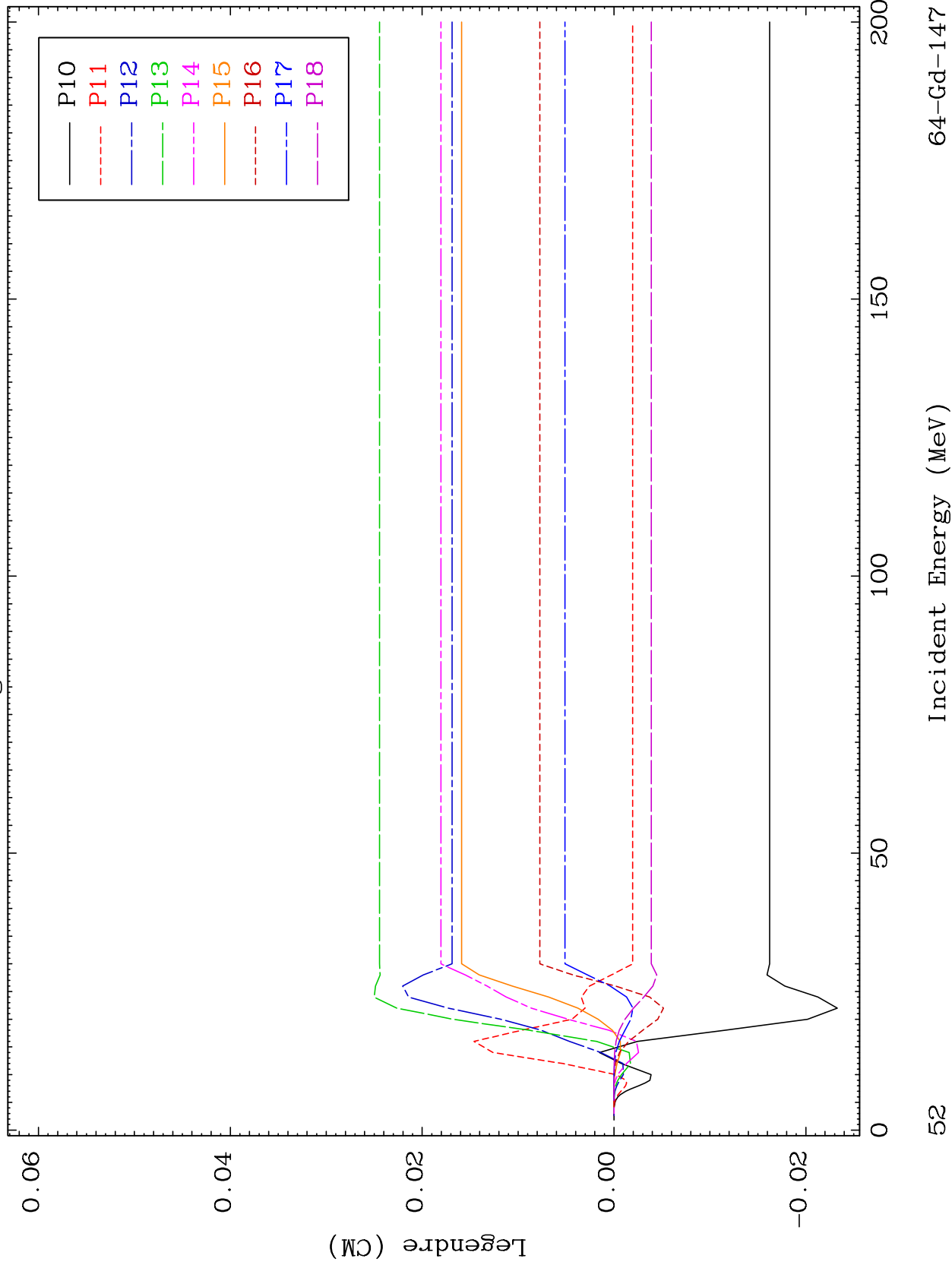
Incident Energy (MeV)

51

MAT 6410

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

64-Gd-147



64-Gd-147

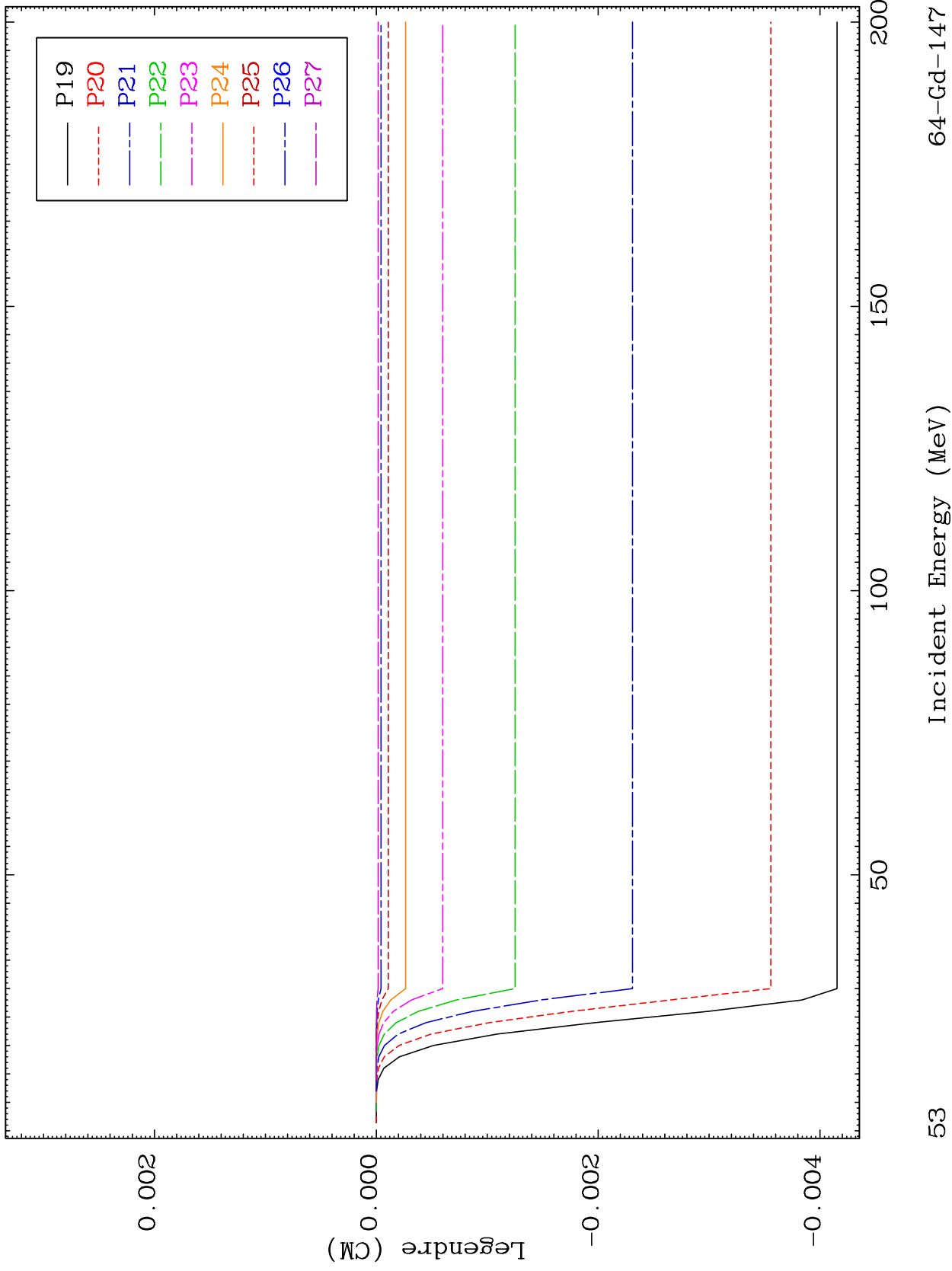
Incident Energy (MeV)

52

MAT 6410

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

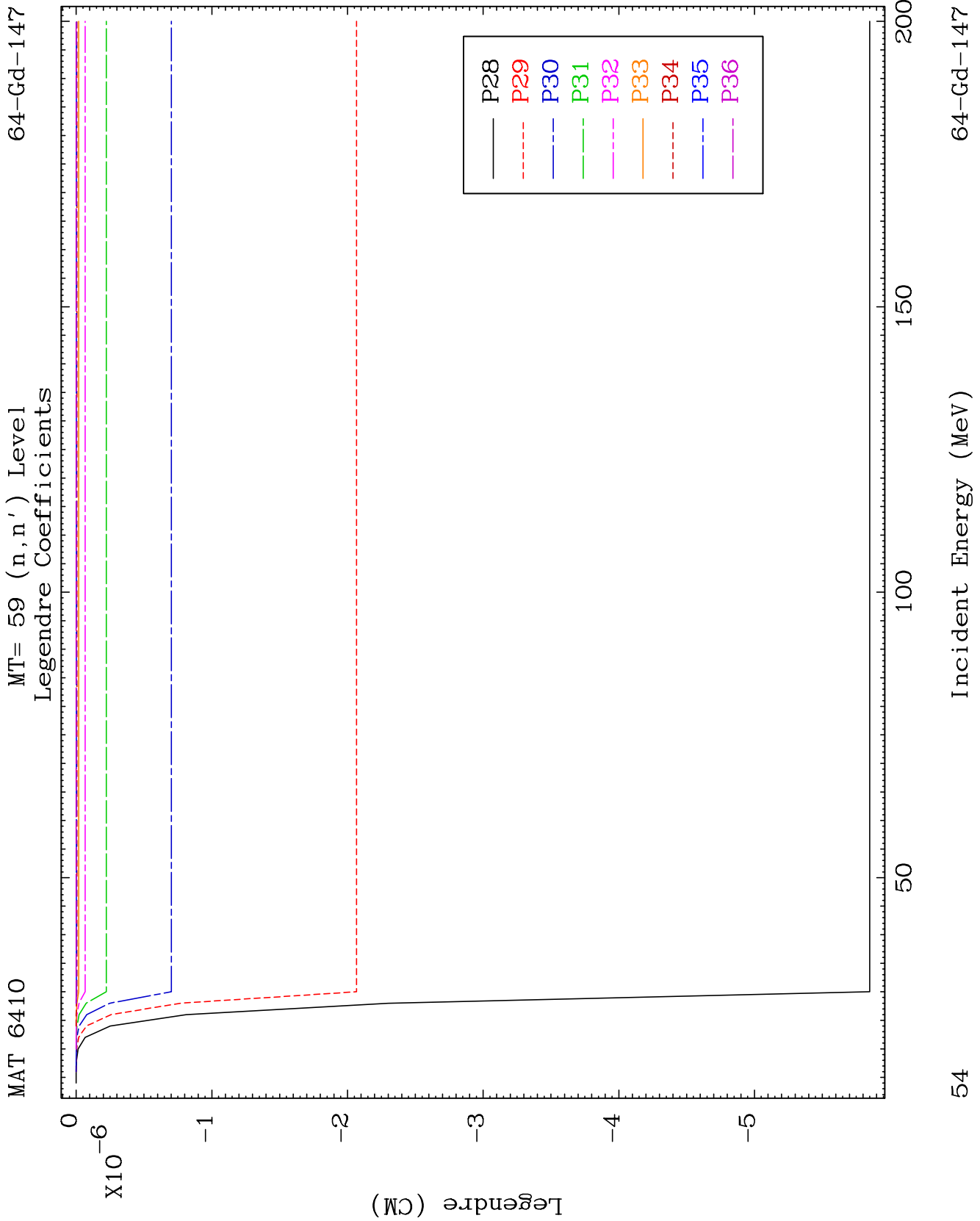
64-Gd-147

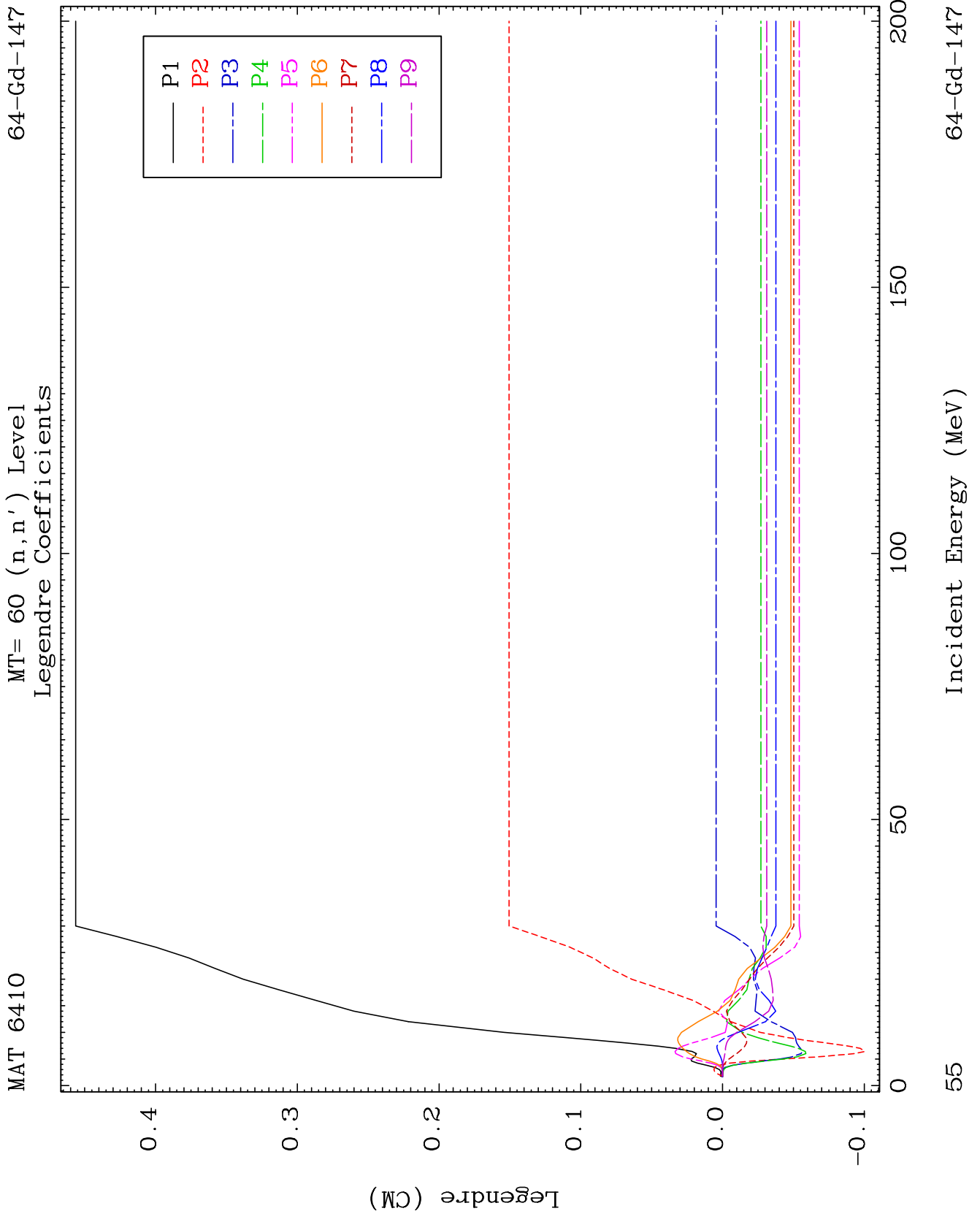


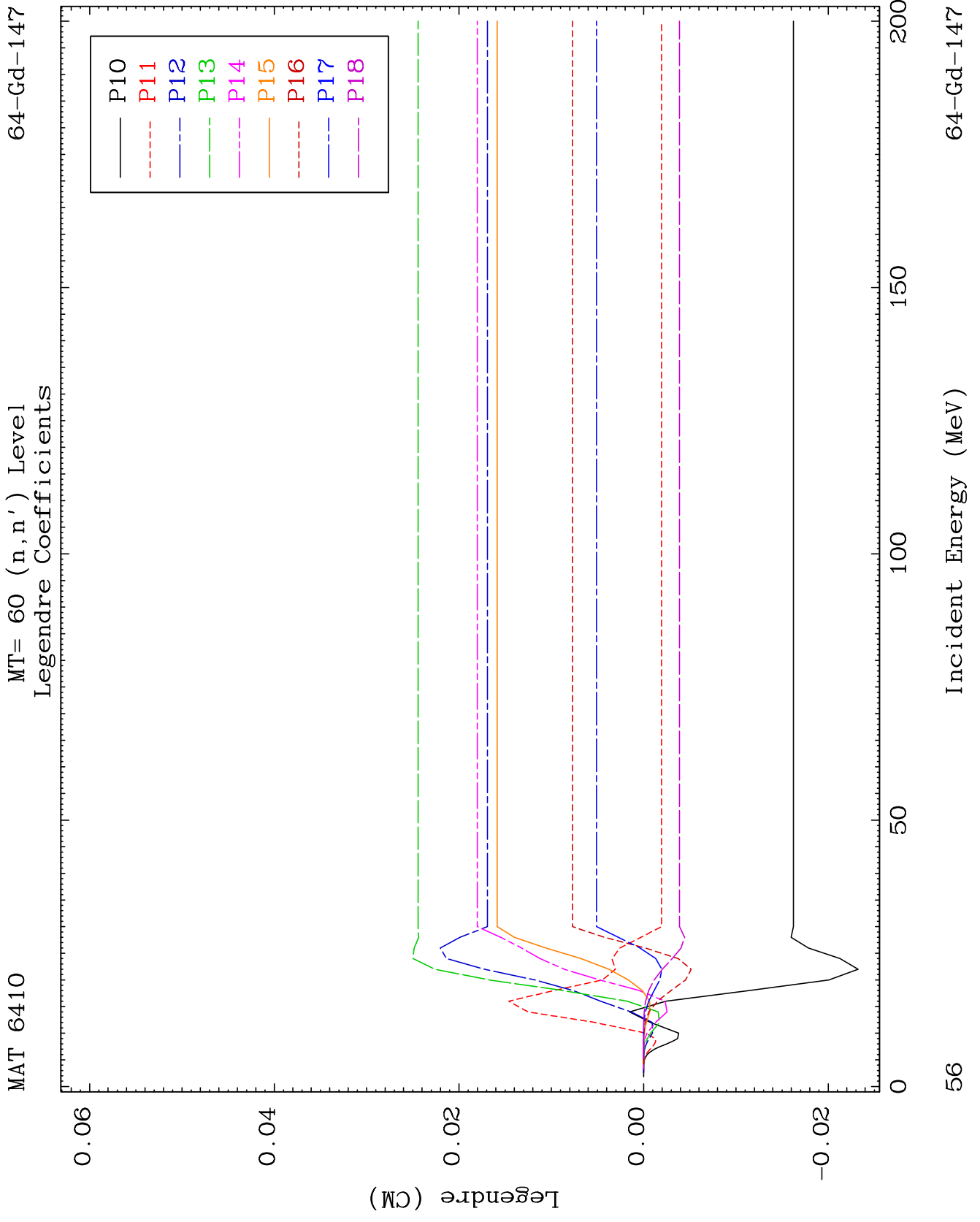
53

Incident Energy (MeV)

64-Gd-147



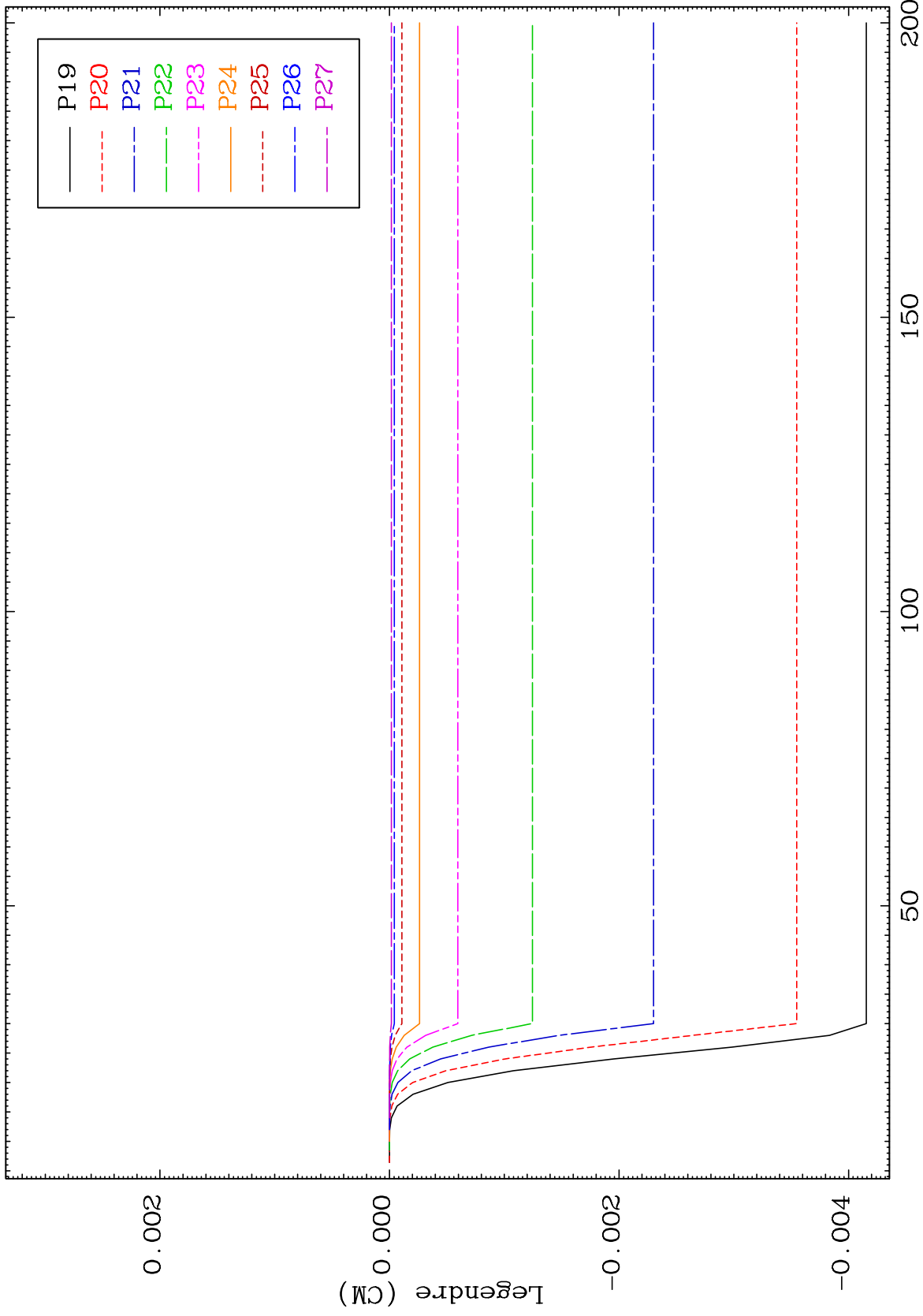




MAT 6410

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

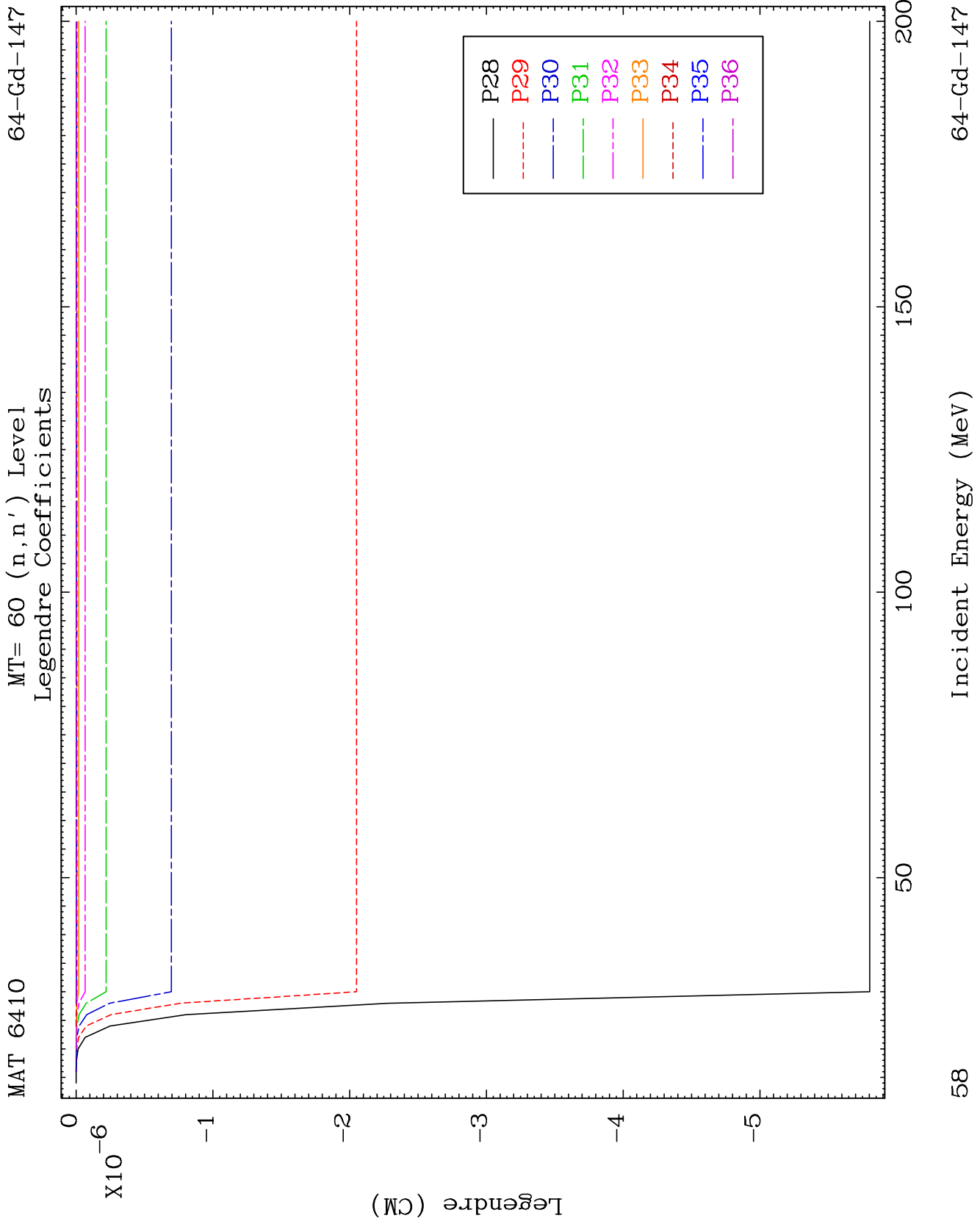
64-Gd-147



57

Incident Energy (MeV)

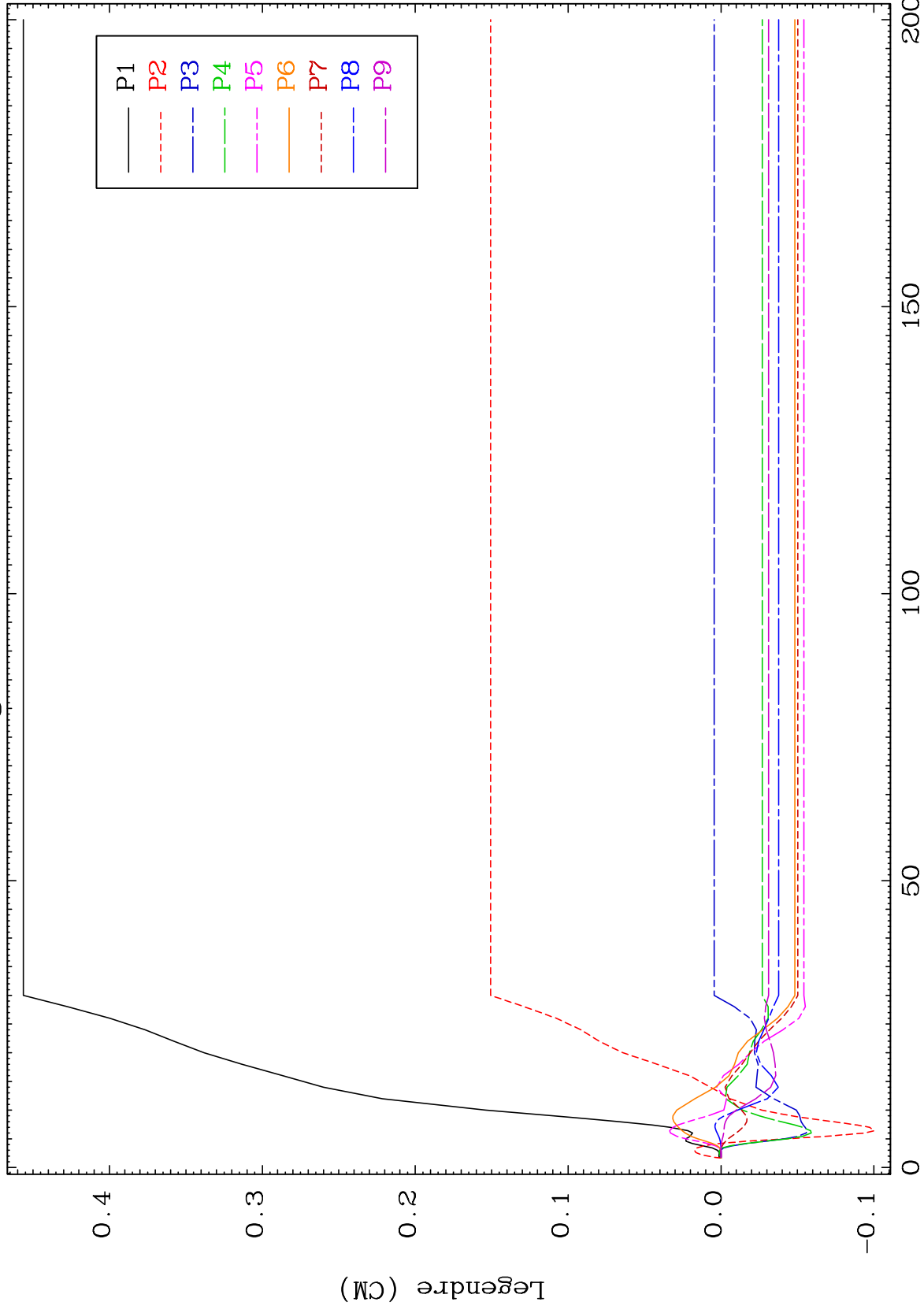
64-Gd-147



MAT 6410

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

64-Gd-147



59

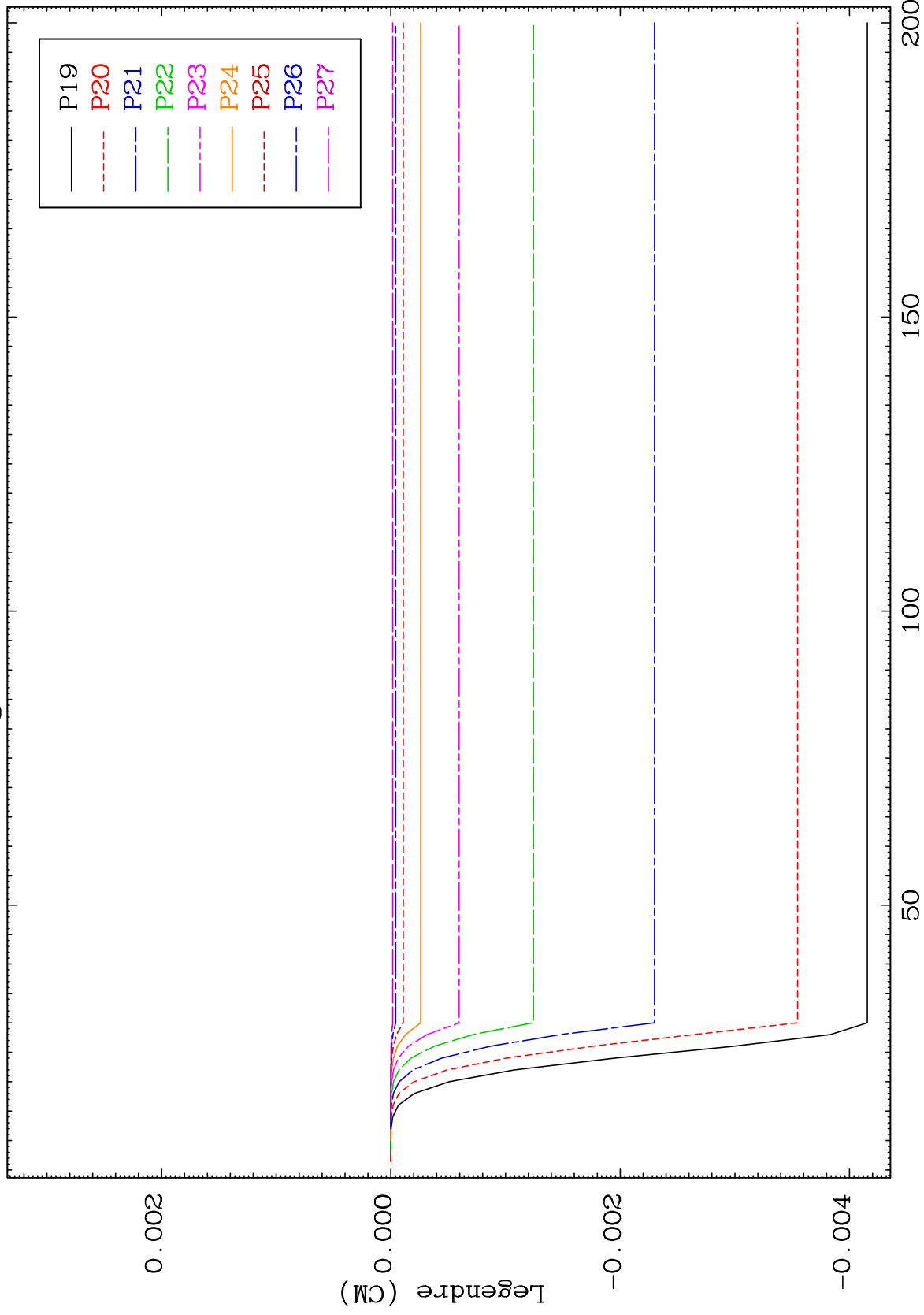
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

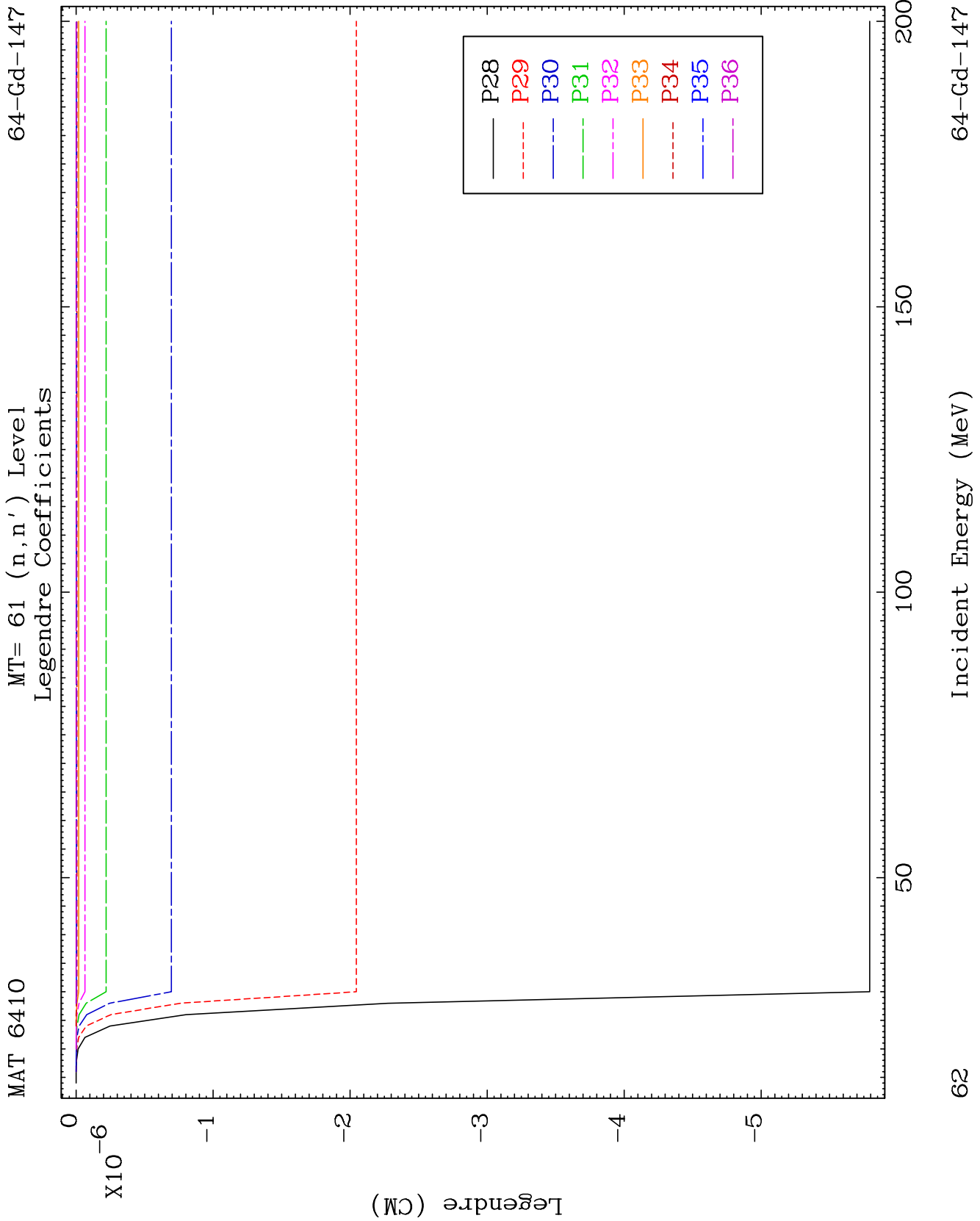
64-Gd-147



61

Incident Energy (MeV)

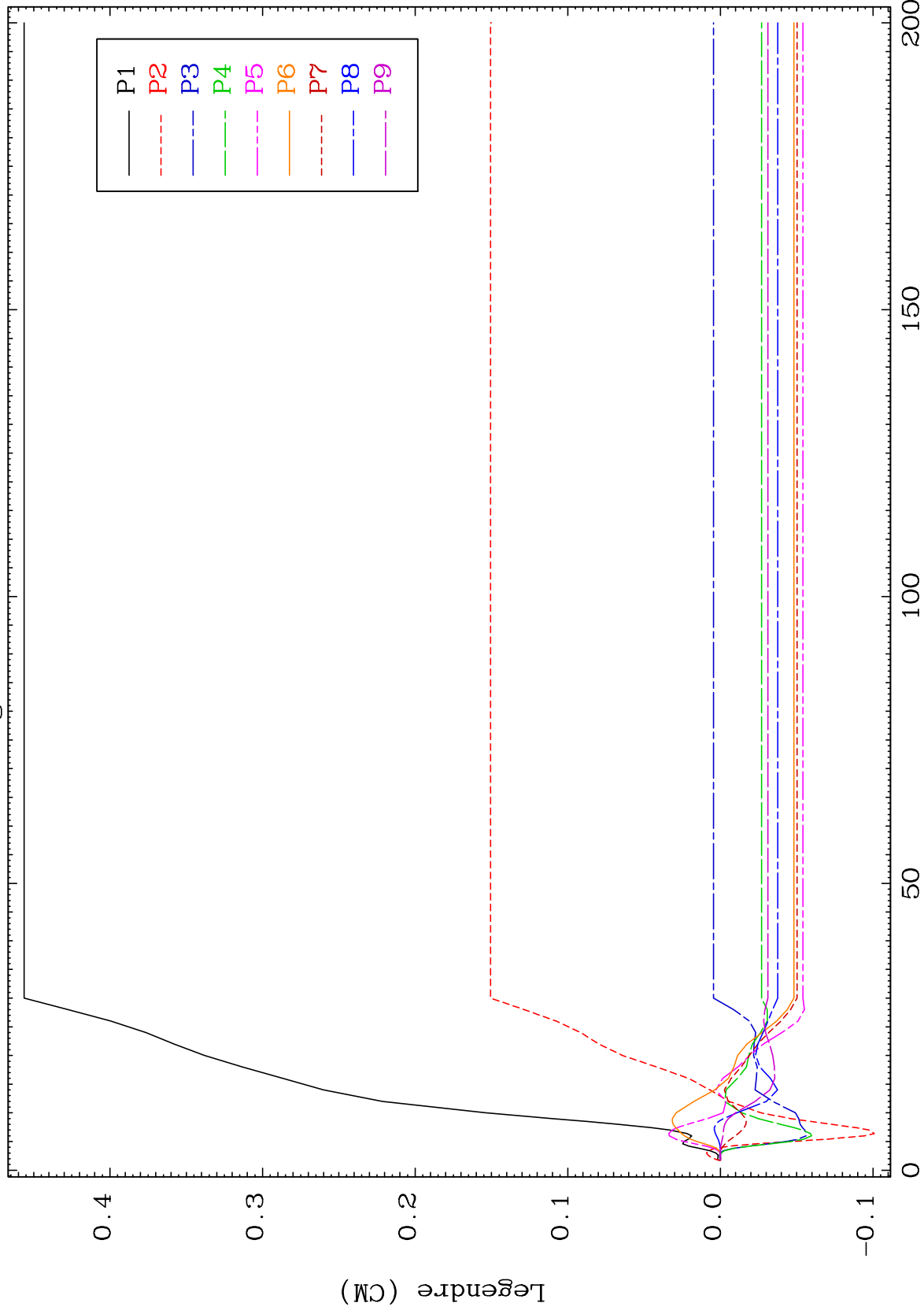
64-Gd-147



MAT 6410

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

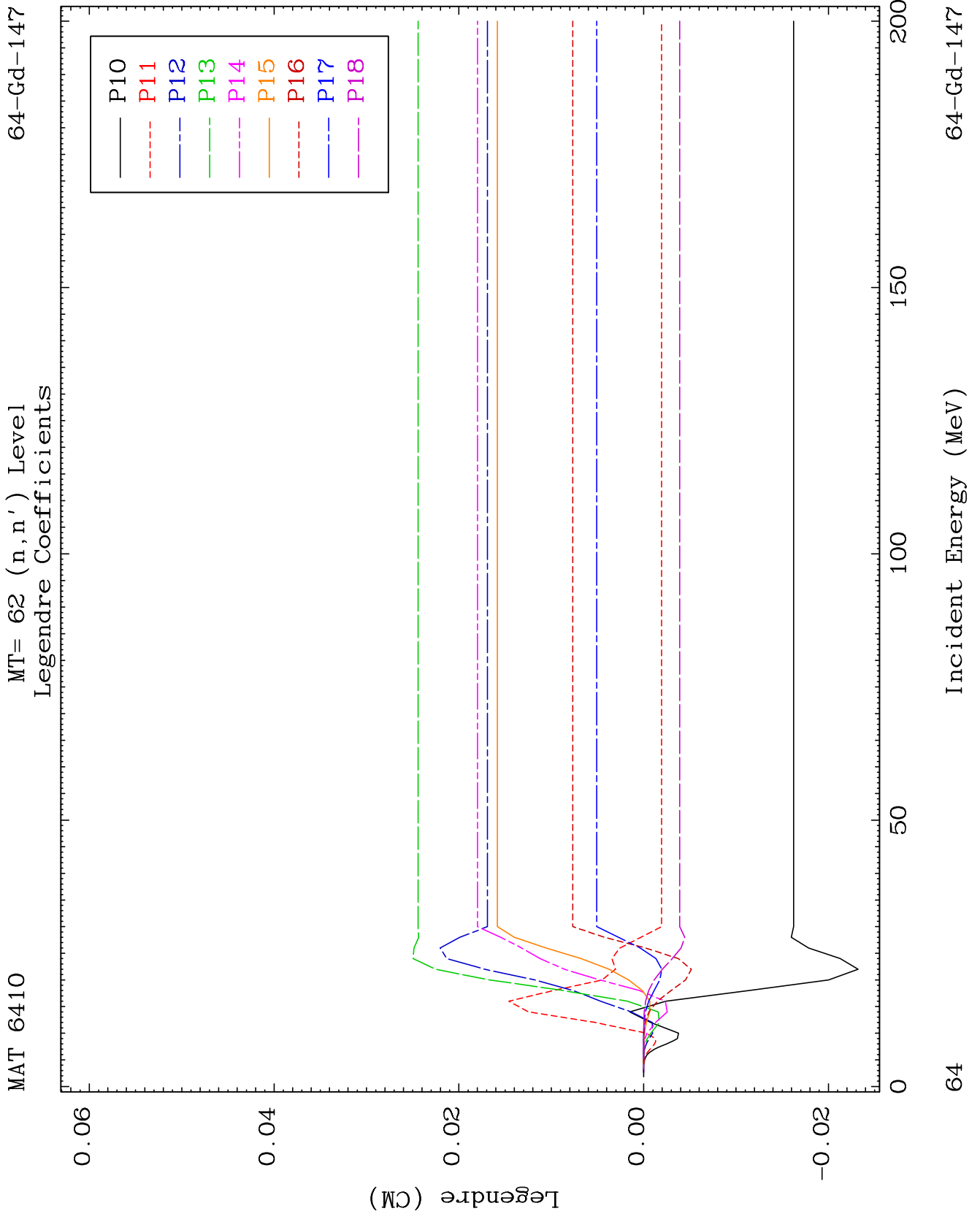
64-Gd-147



64-Gd-147

Incident Energy (MeV)

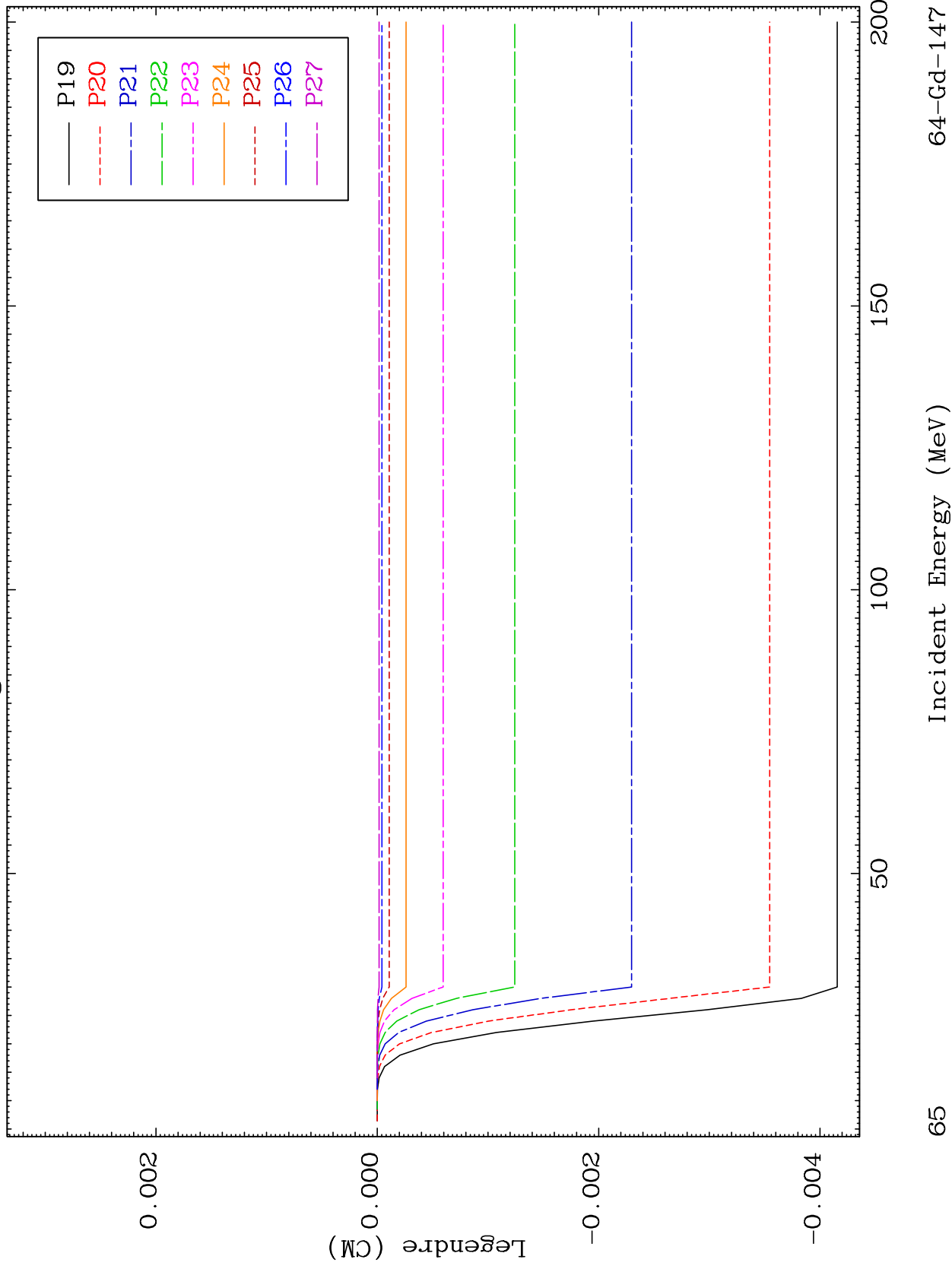
63

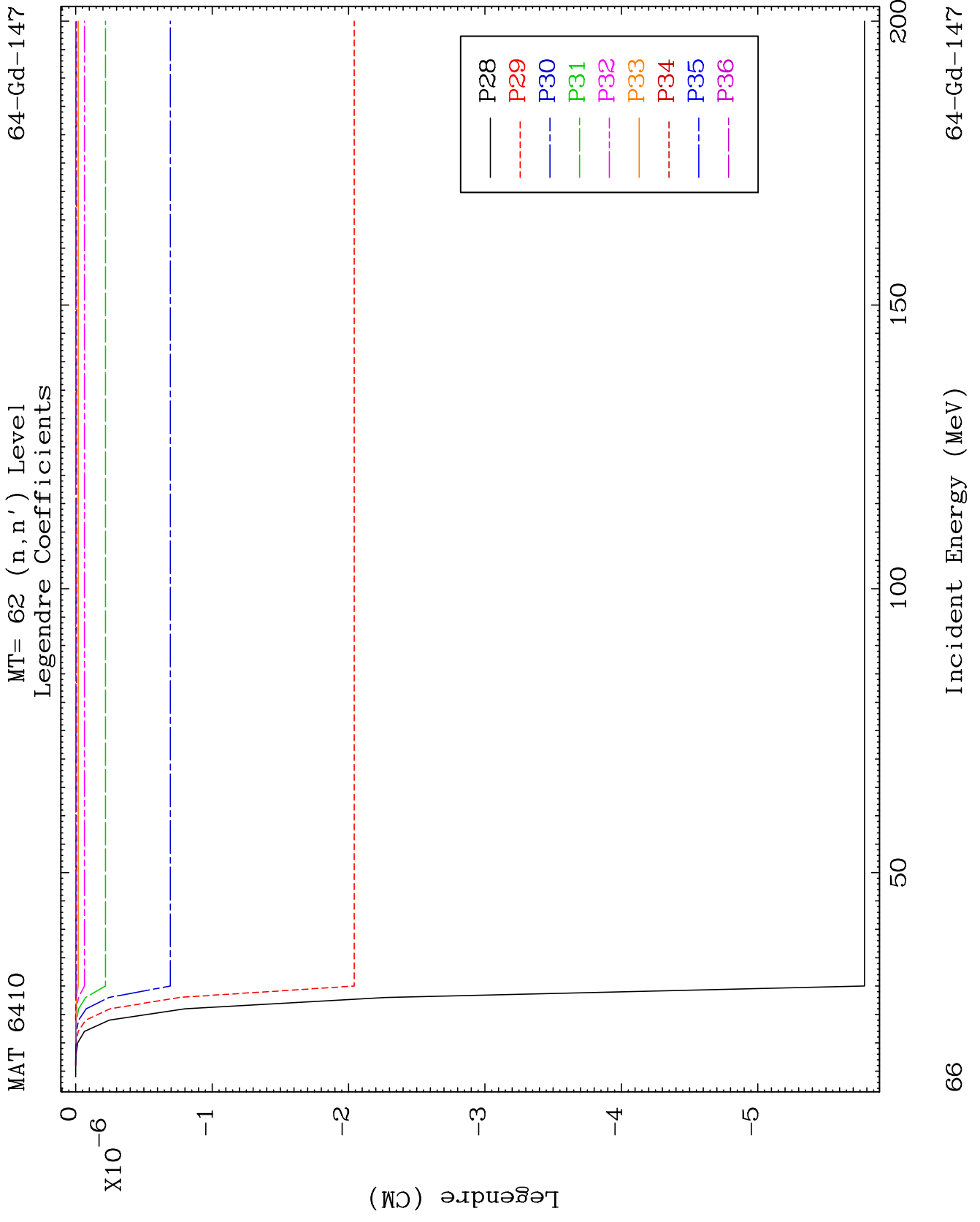


MAT 6410

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

64-Gd-147

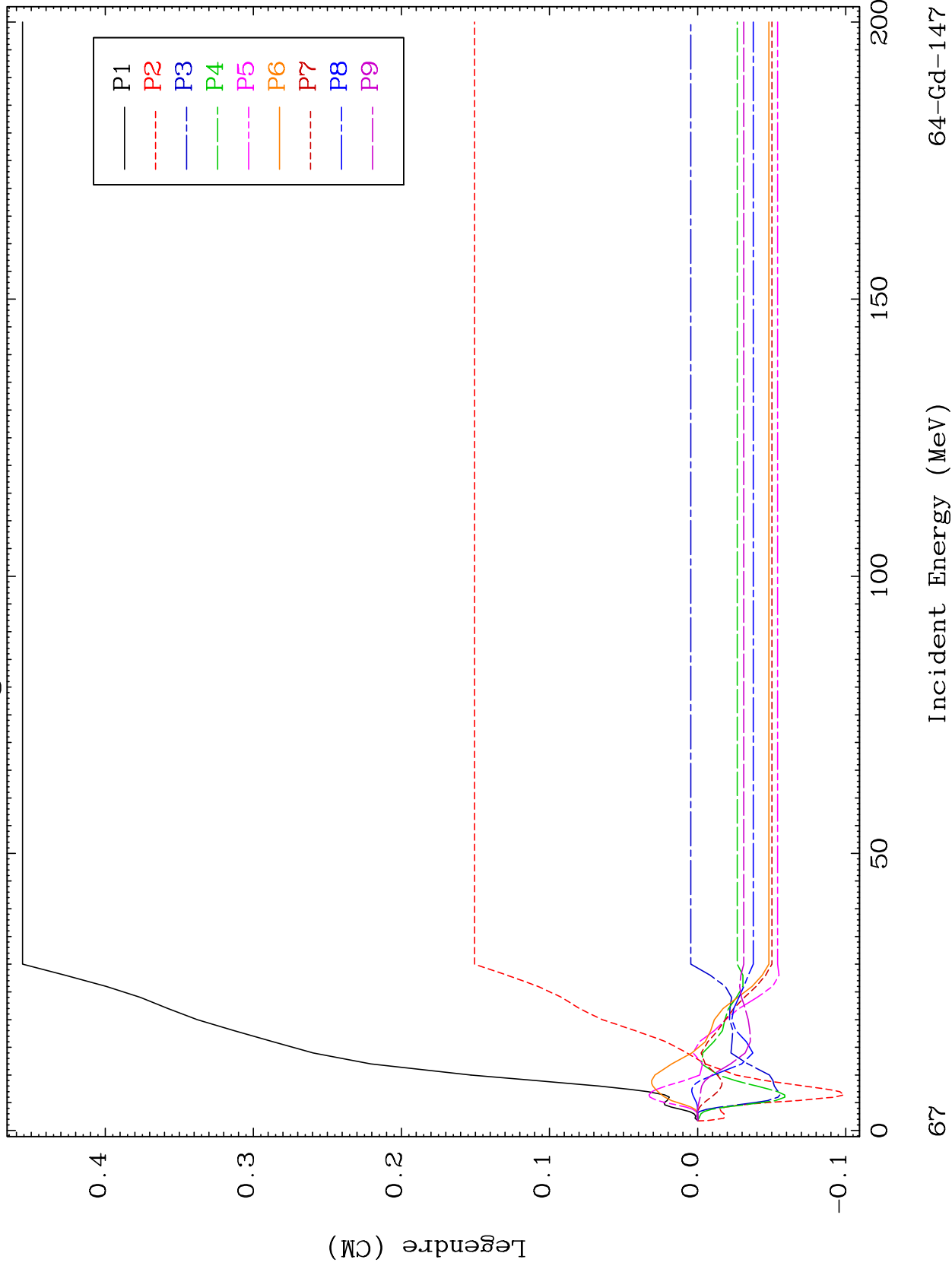




MAT 6410

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

64-Gd-147



64-Gd-147

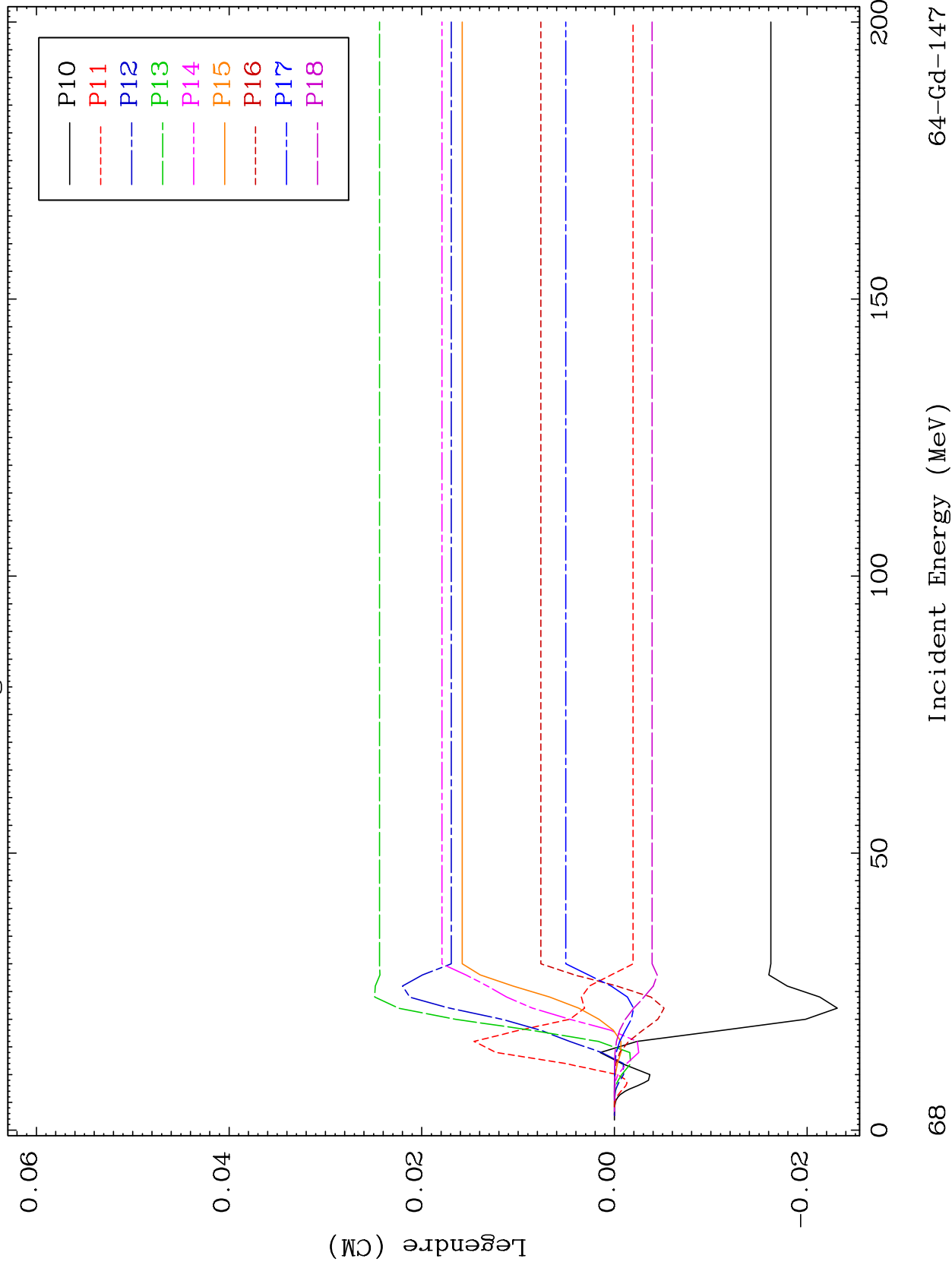
Incident Energy (MeV)

67

MAT 6410

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

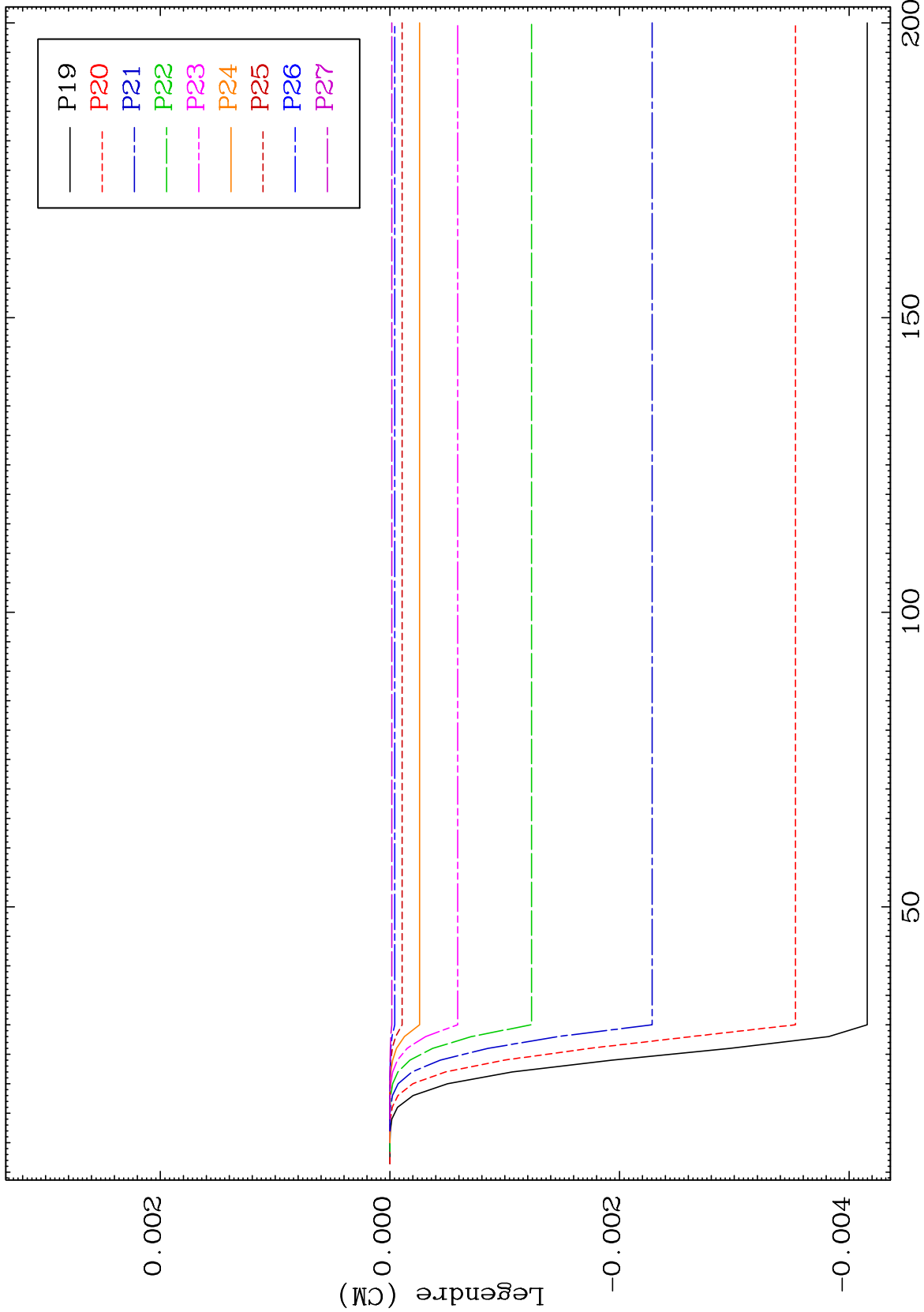
64-Gd-147



MAT 6410

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

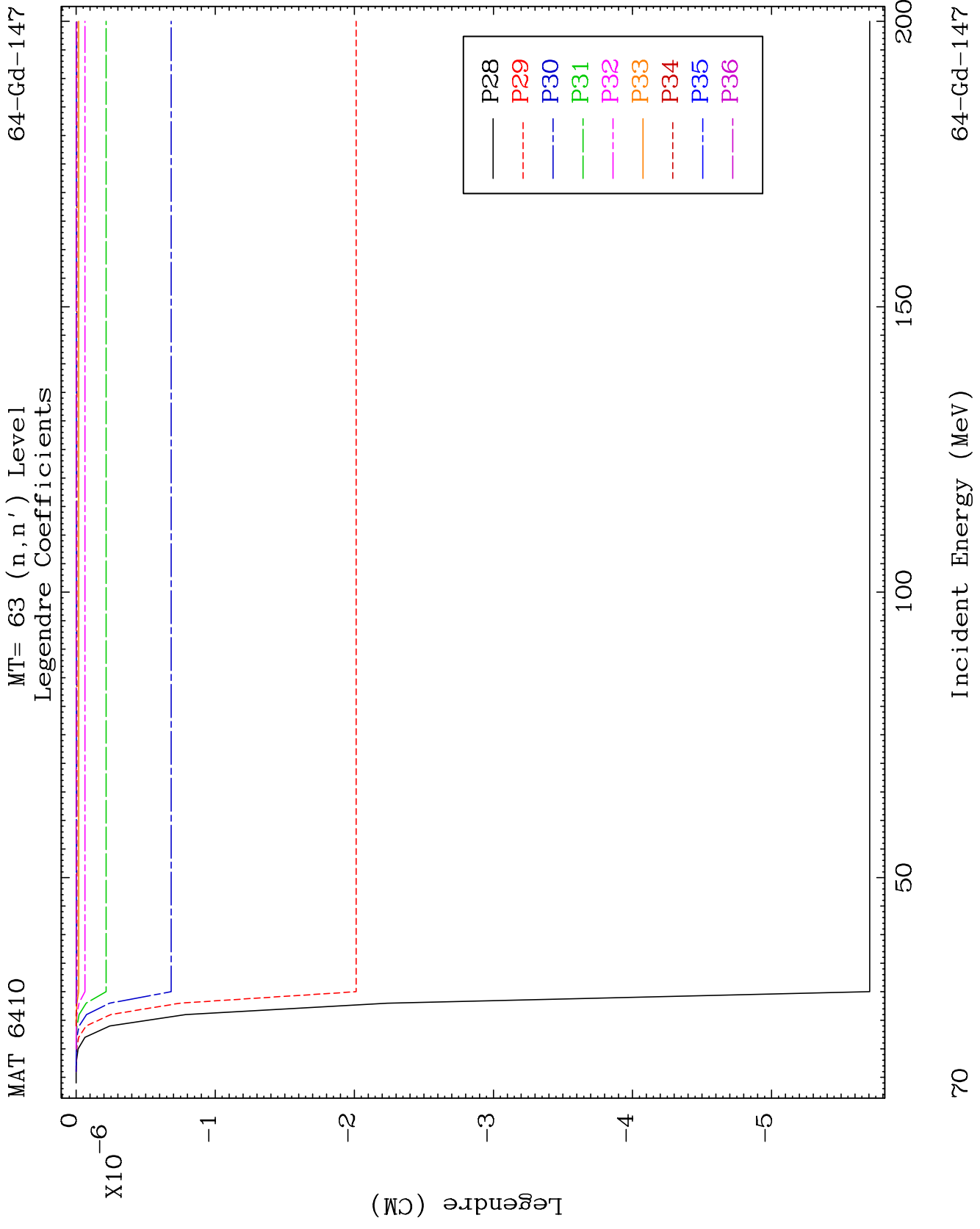
64-Gd-147



69

Incident Energy (MeV)

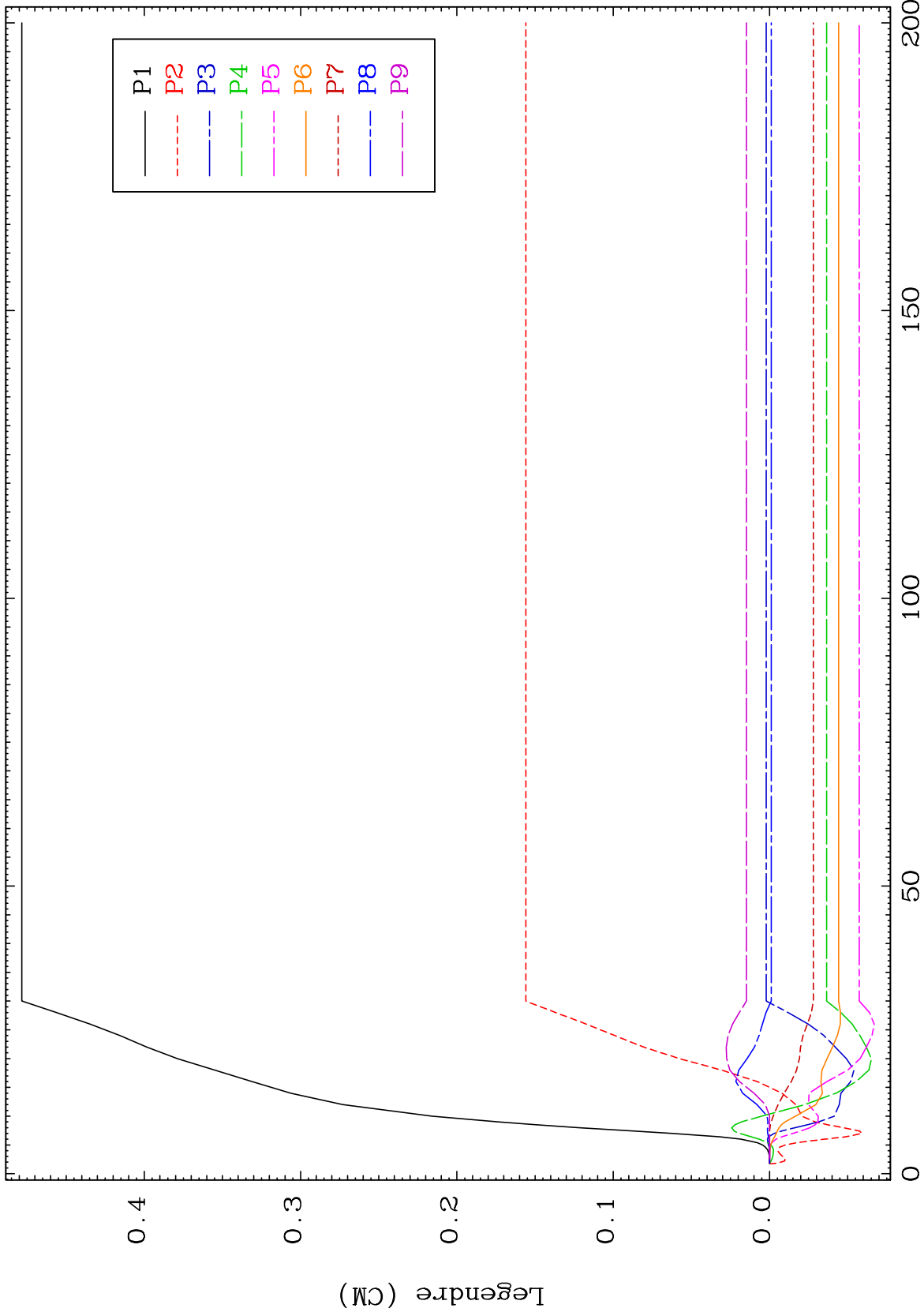
64-Gd-147



MAT 6410

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

64-Gd-147



71

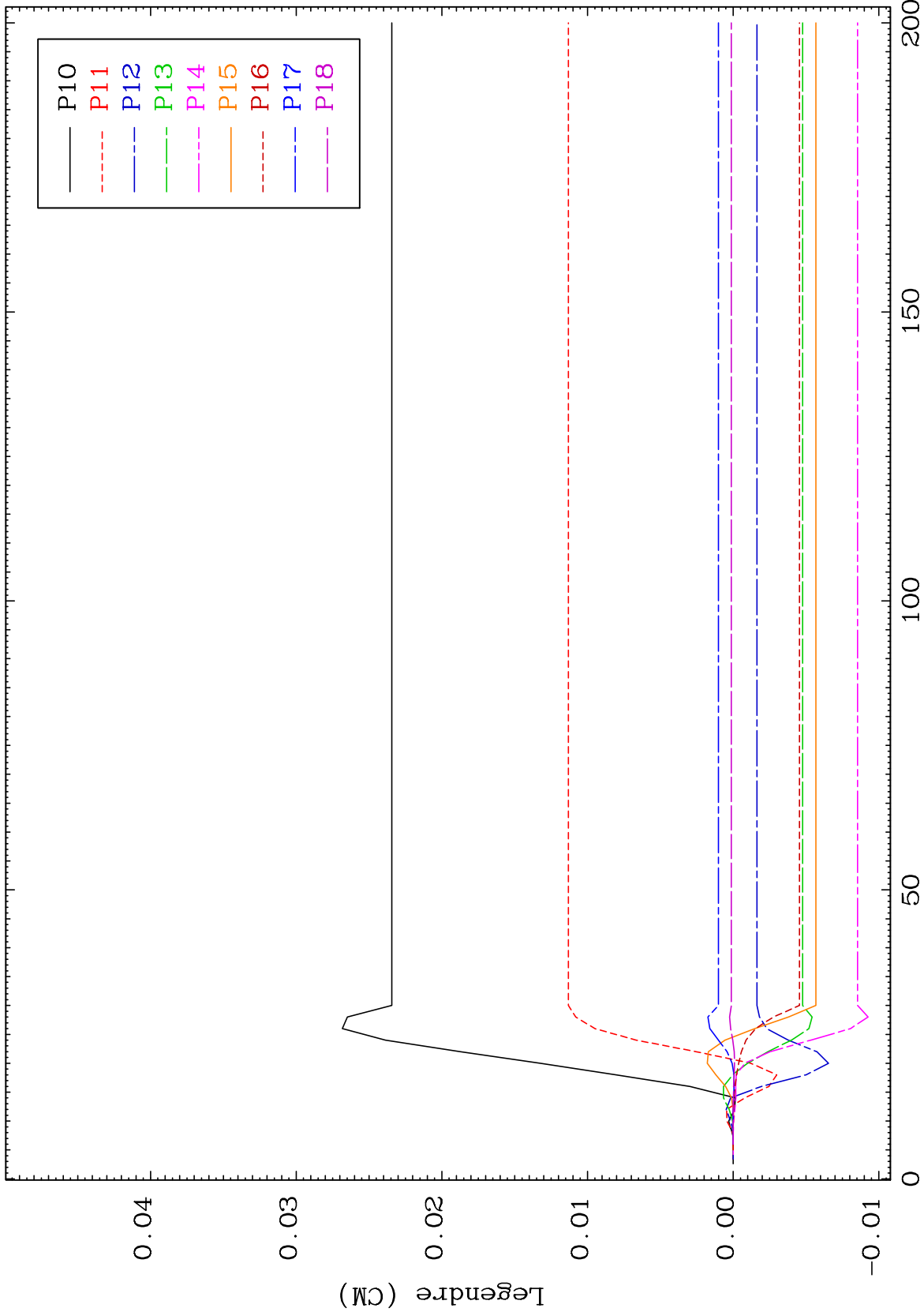
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



72

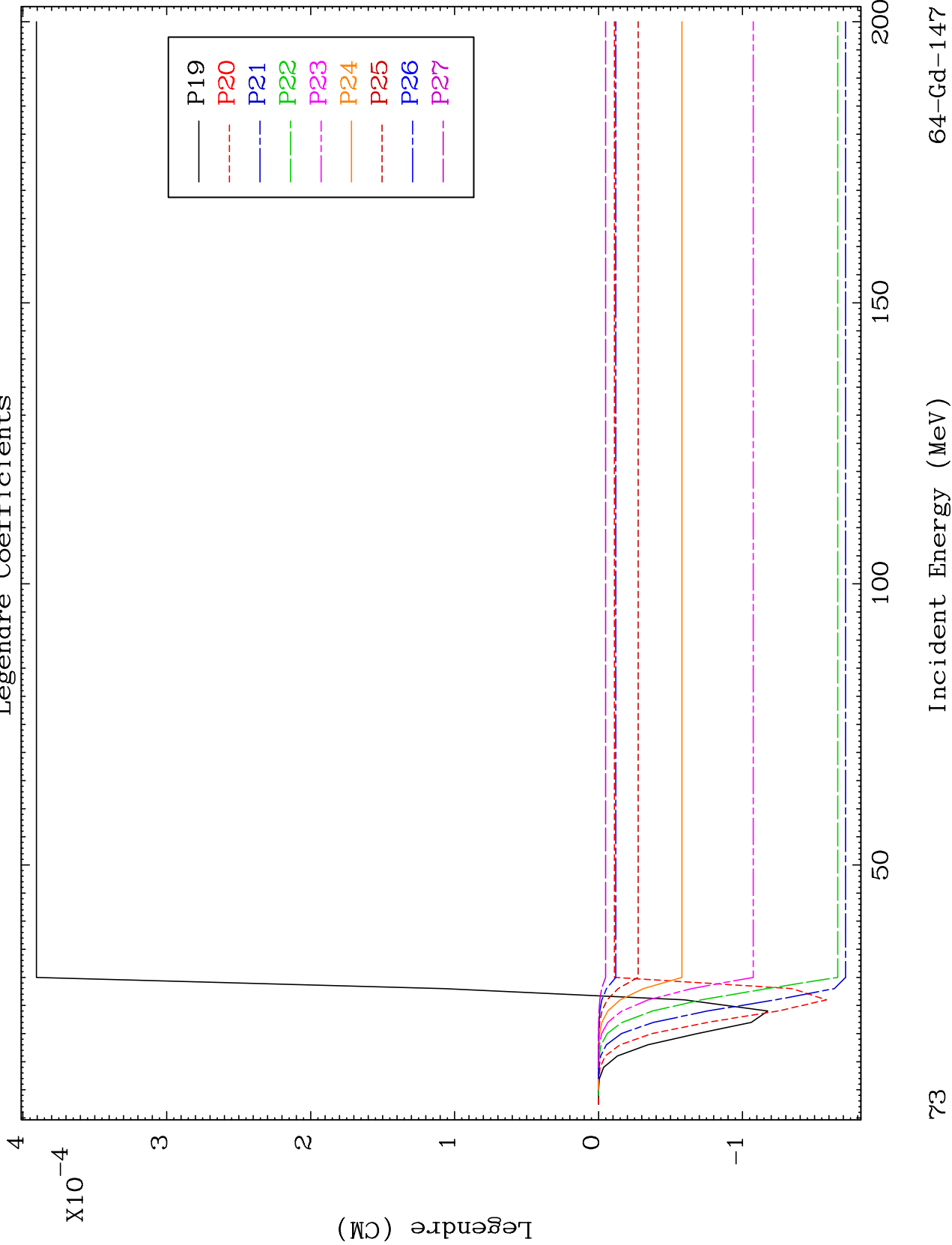
Incident Energy (MeV)

64-Gd-147

MAT 6410

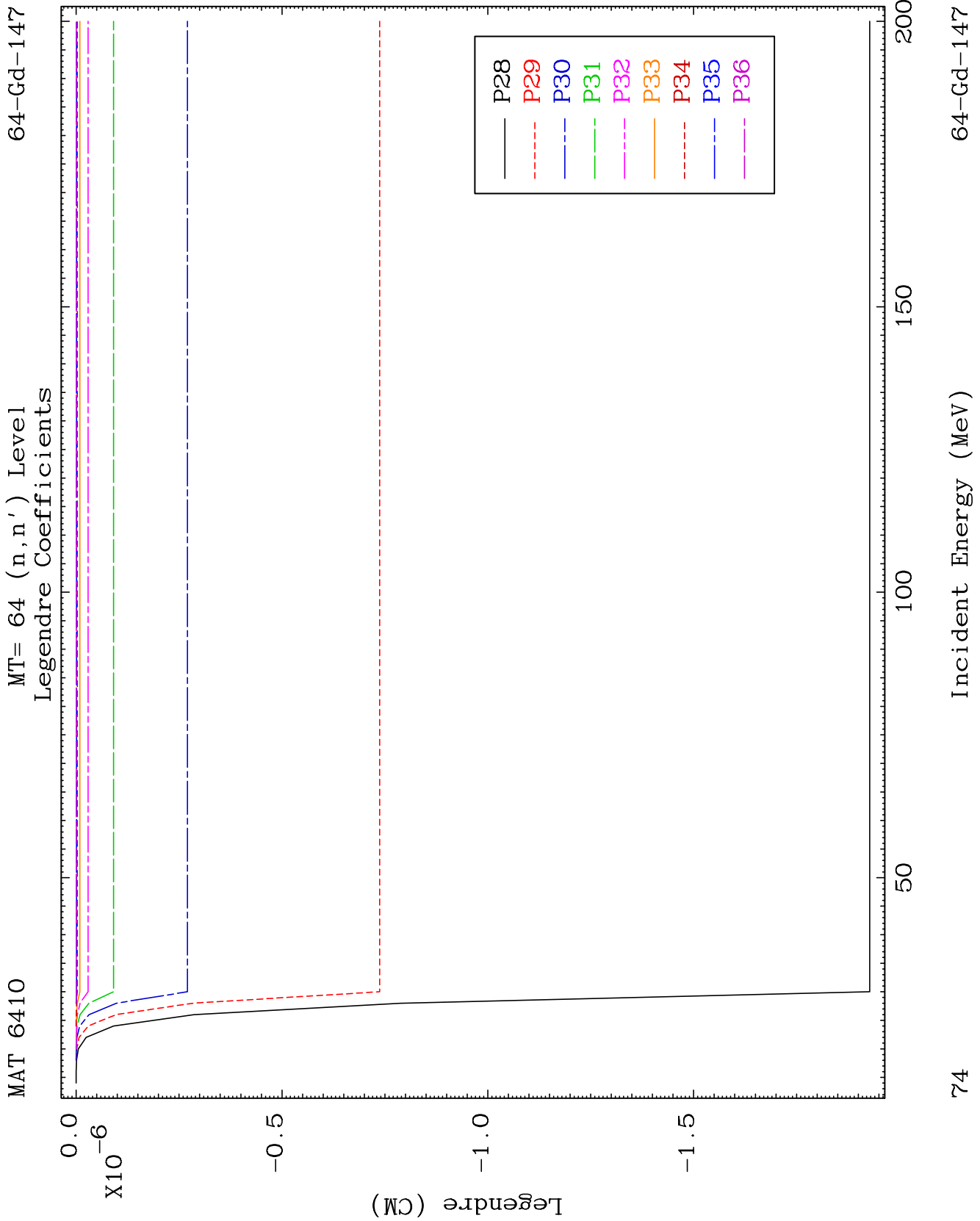
MT= 64 (n,n') Level
Legendre Coefficients

64-Gd-147



73

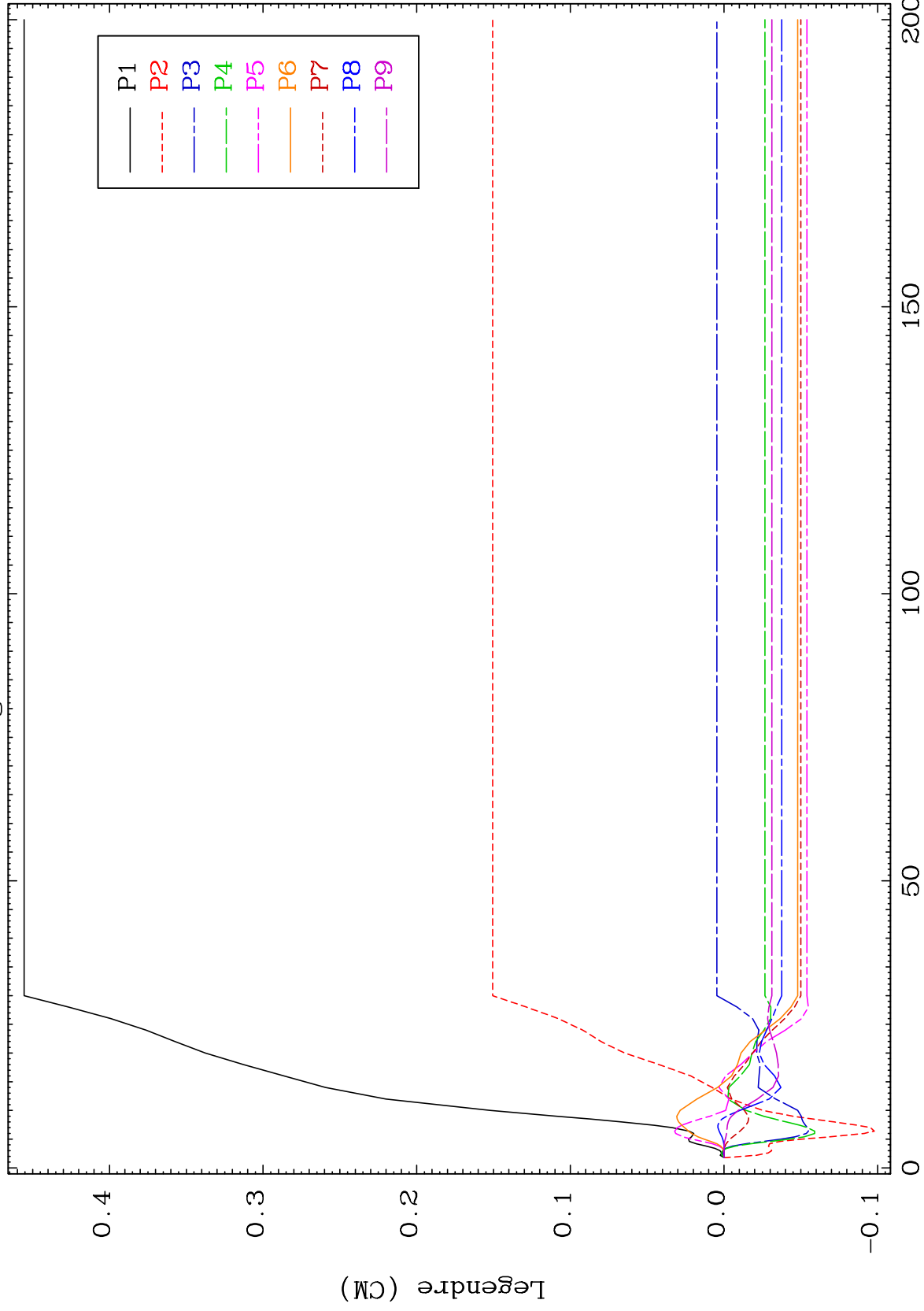
64-Gd-147



MAT 6410

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

64-Gd-147



75

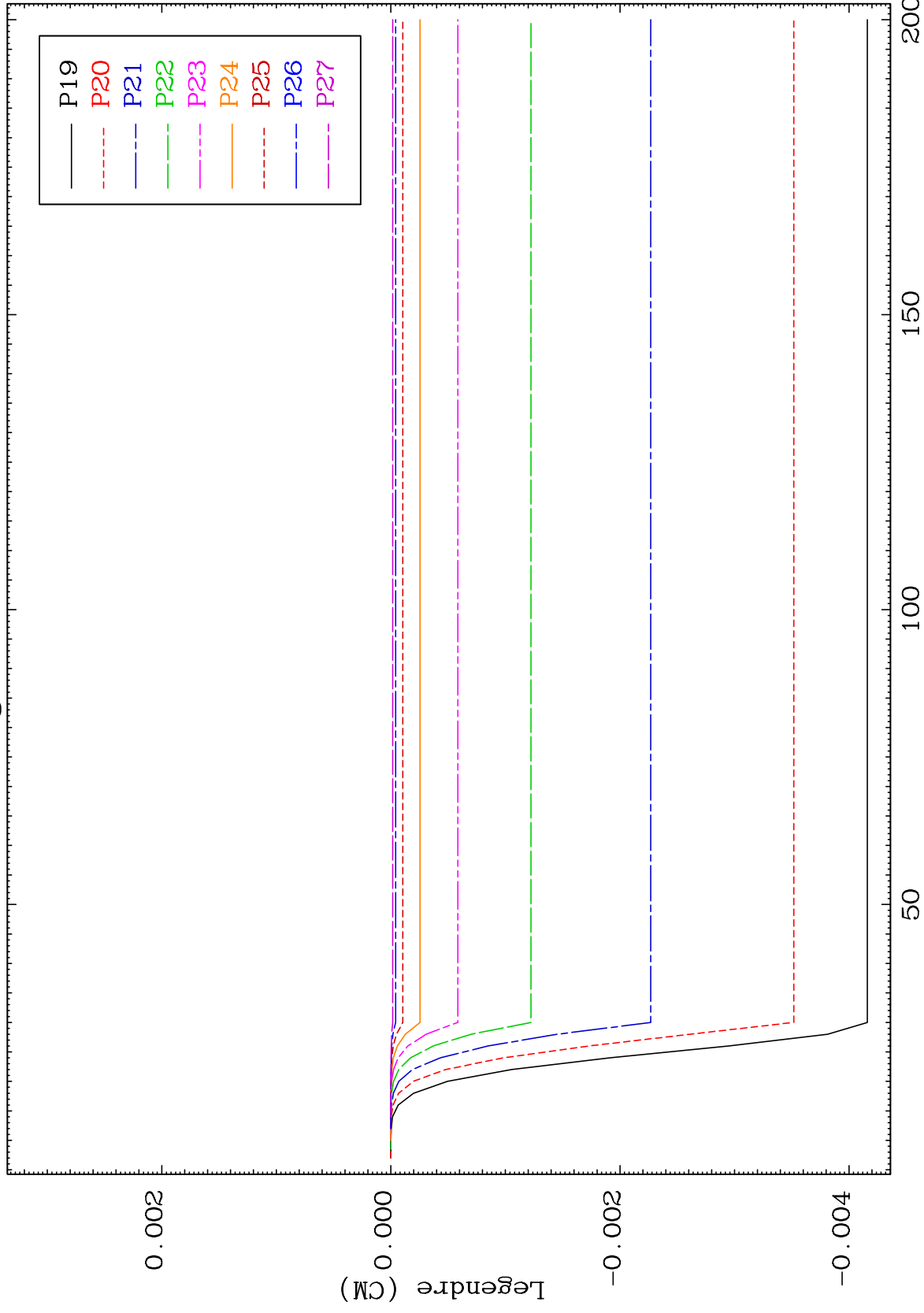
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

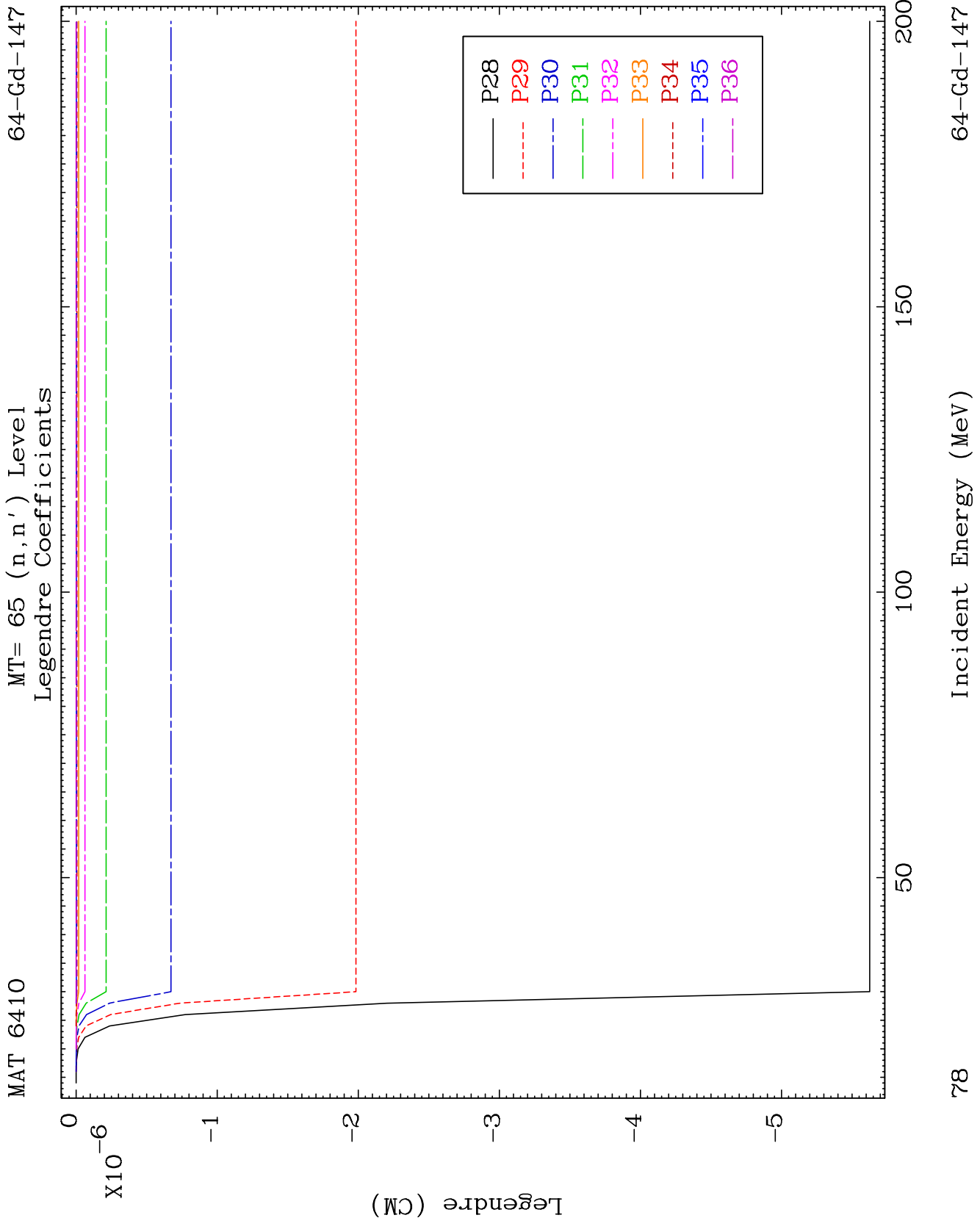
64-Gd-147



77

Incident Energy (MeV)

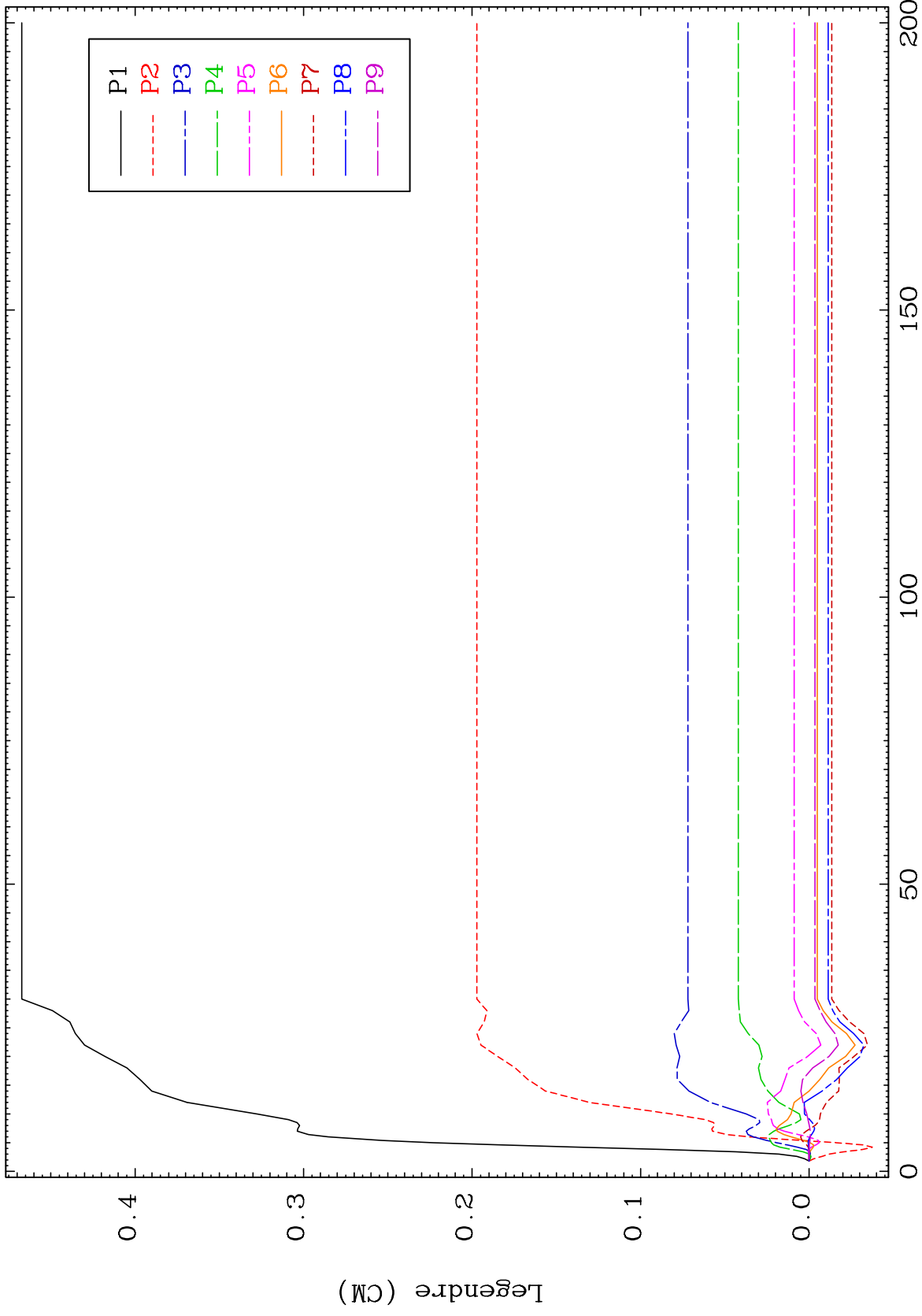
64-Gd-147



MAT 6410

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

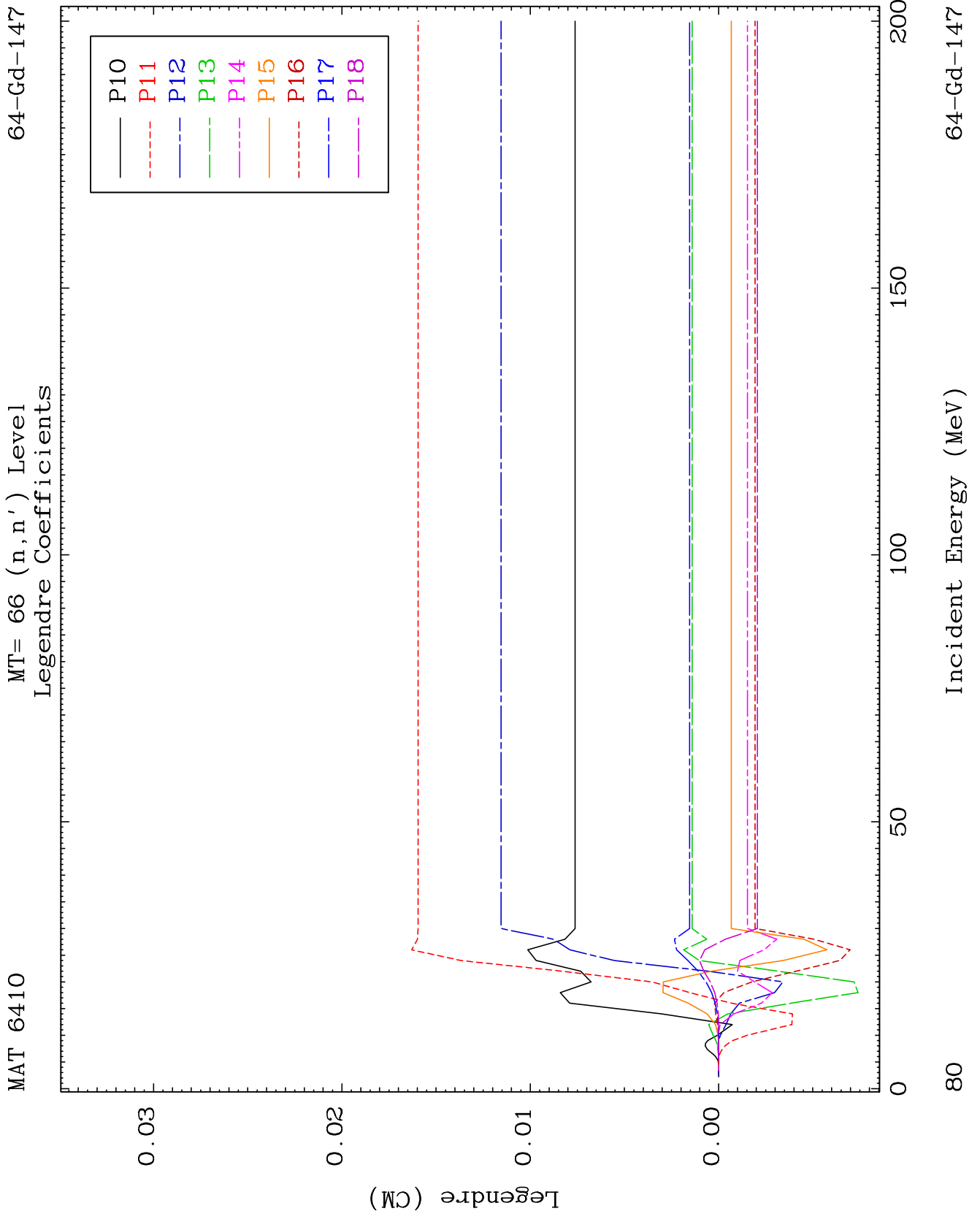
64-Gd-147



79

Incident Energy (MeV)

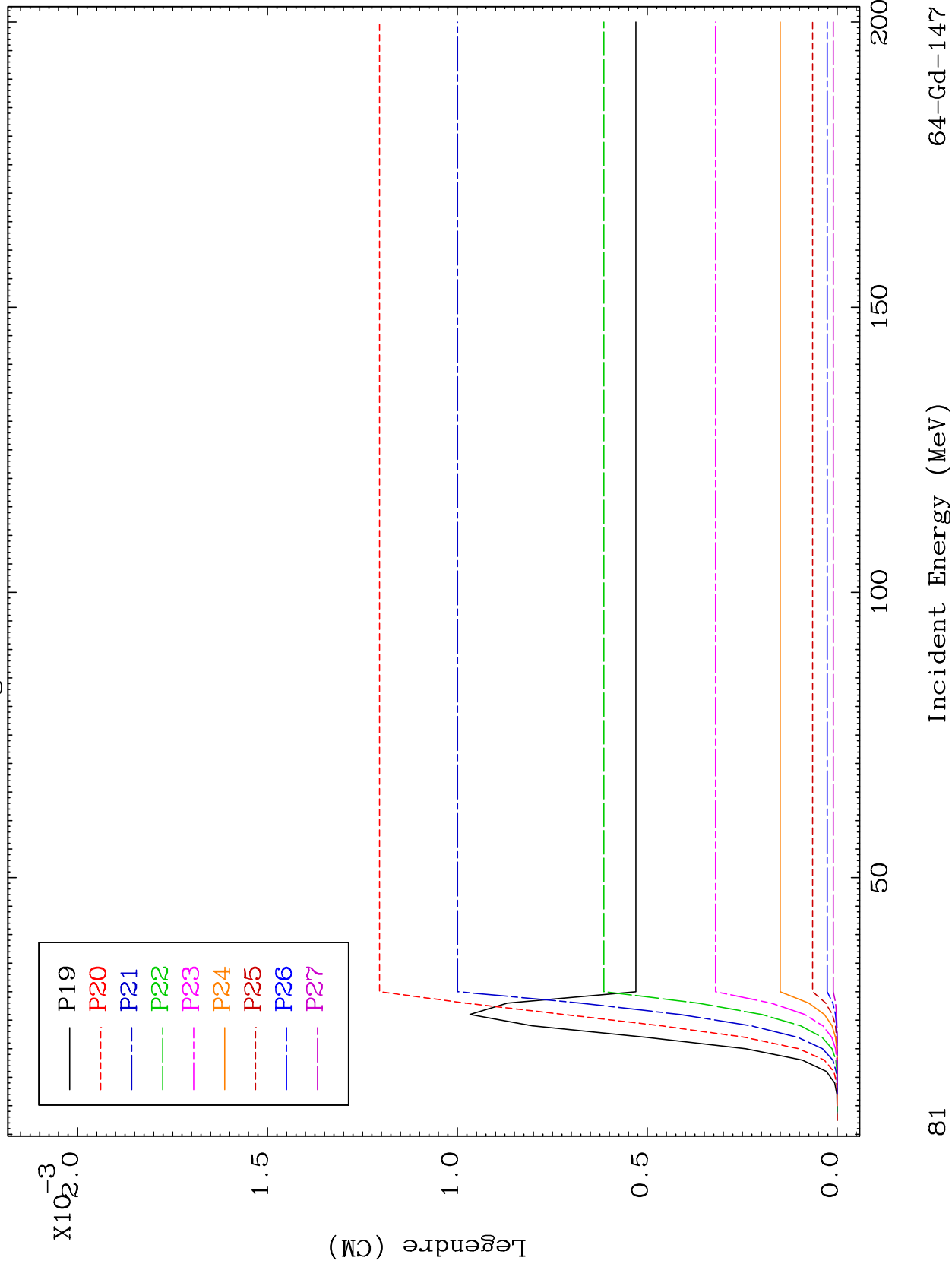
64-Gd-147



MAT 6410

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

64-Gd-147



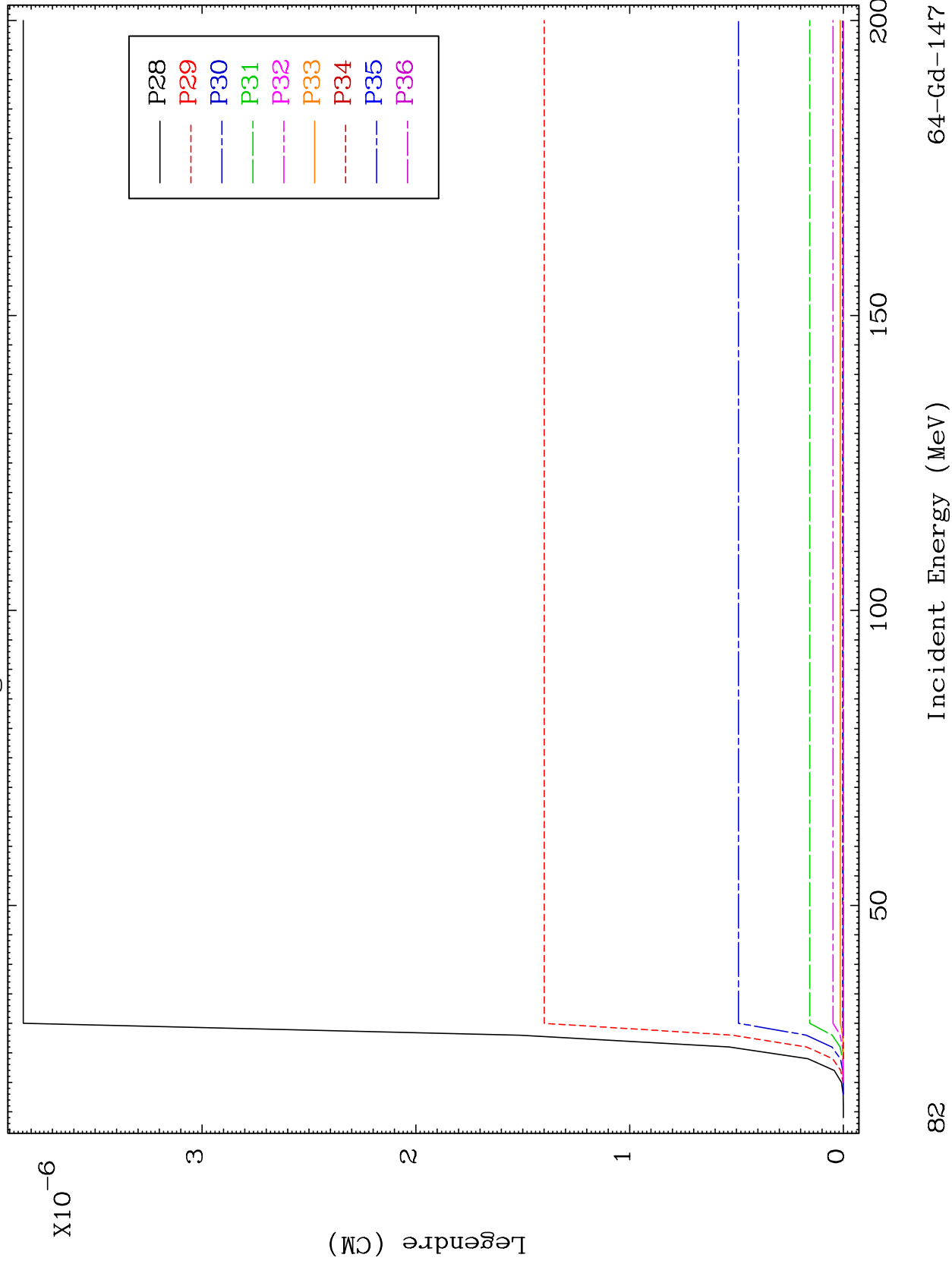
81

64-Gd-147

MAT 6410

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

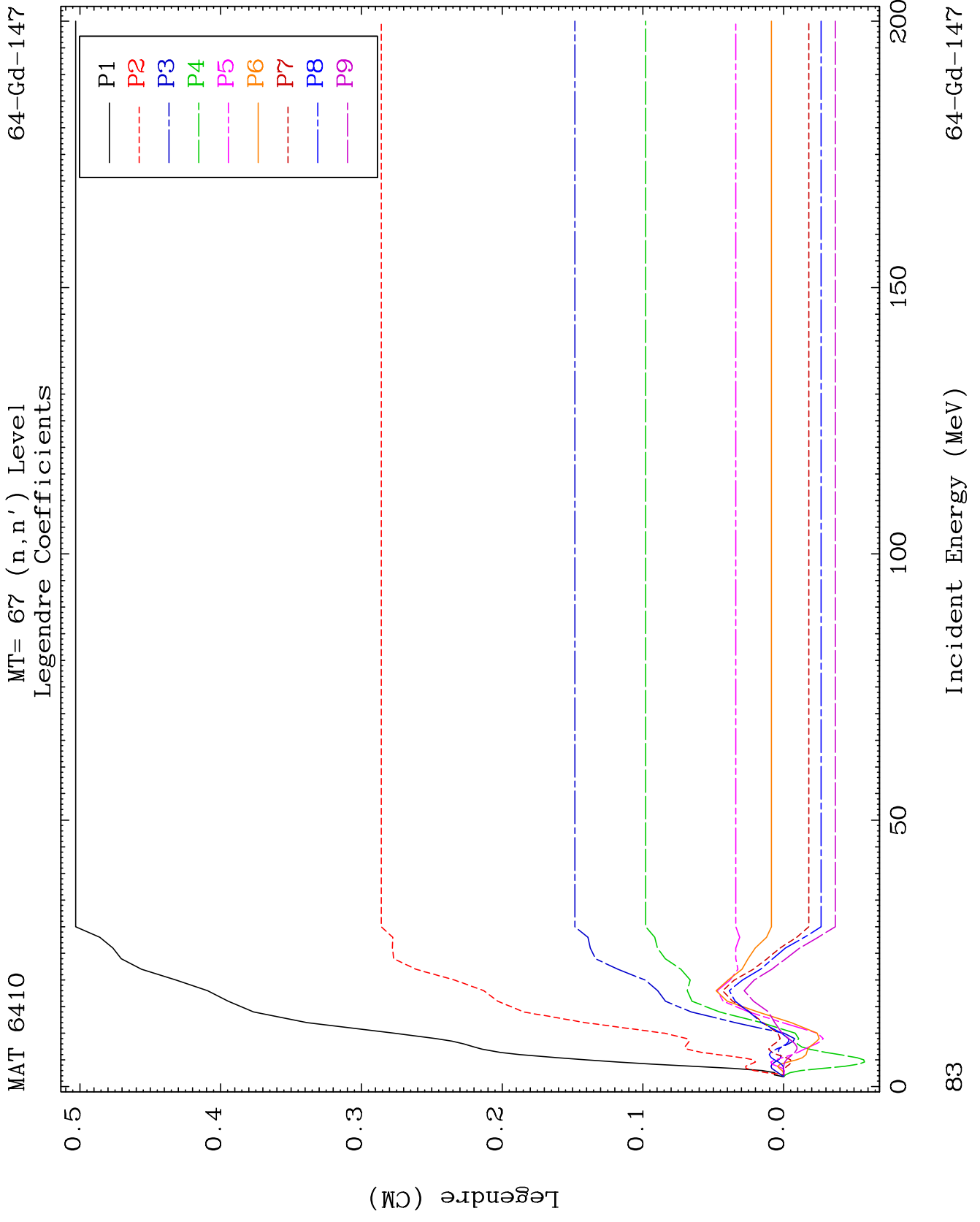
64-Gd-147



82

Incident Energy (MeV)

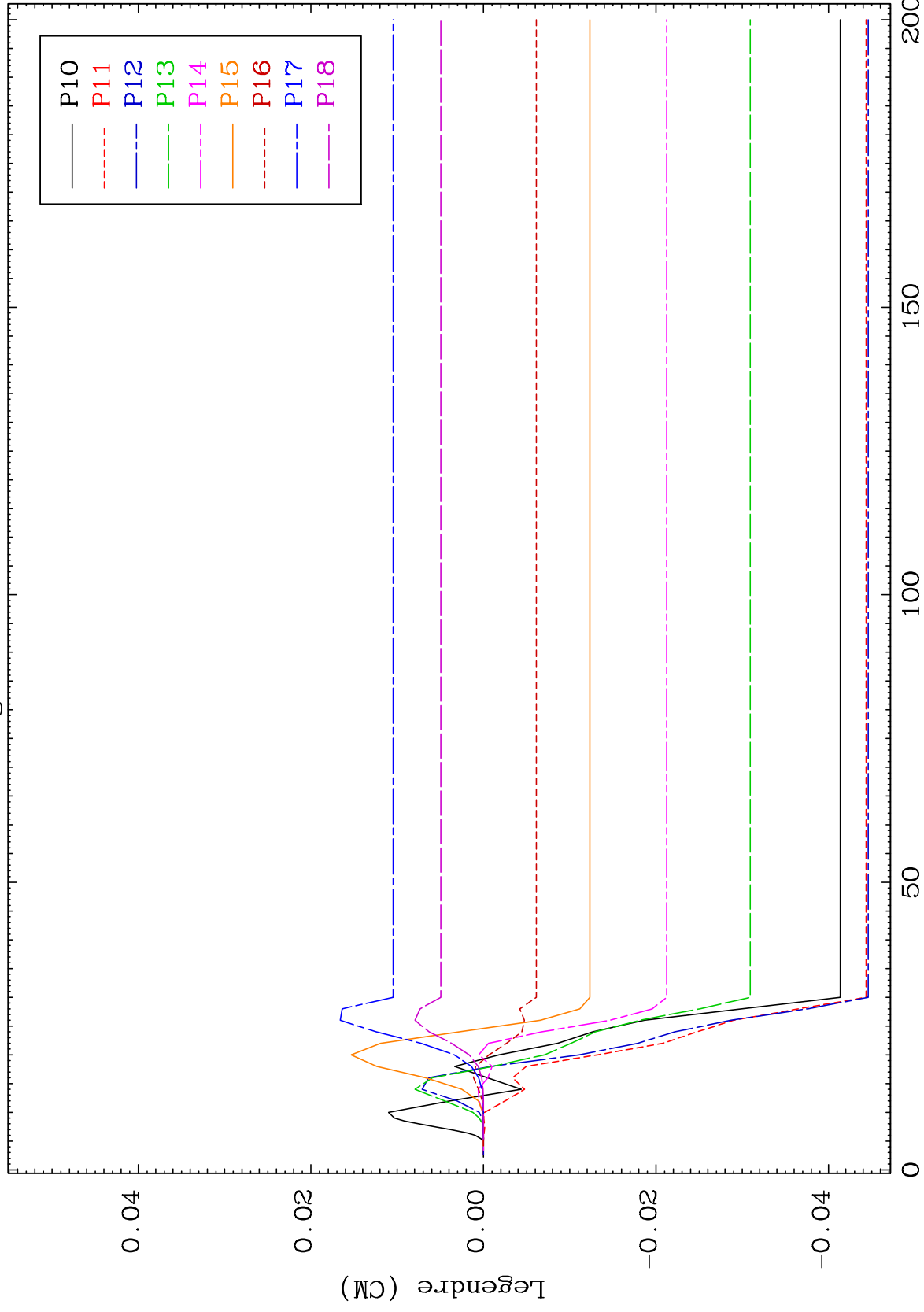
64-Gd-147



MAT 6410

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

64-Gd-147



84

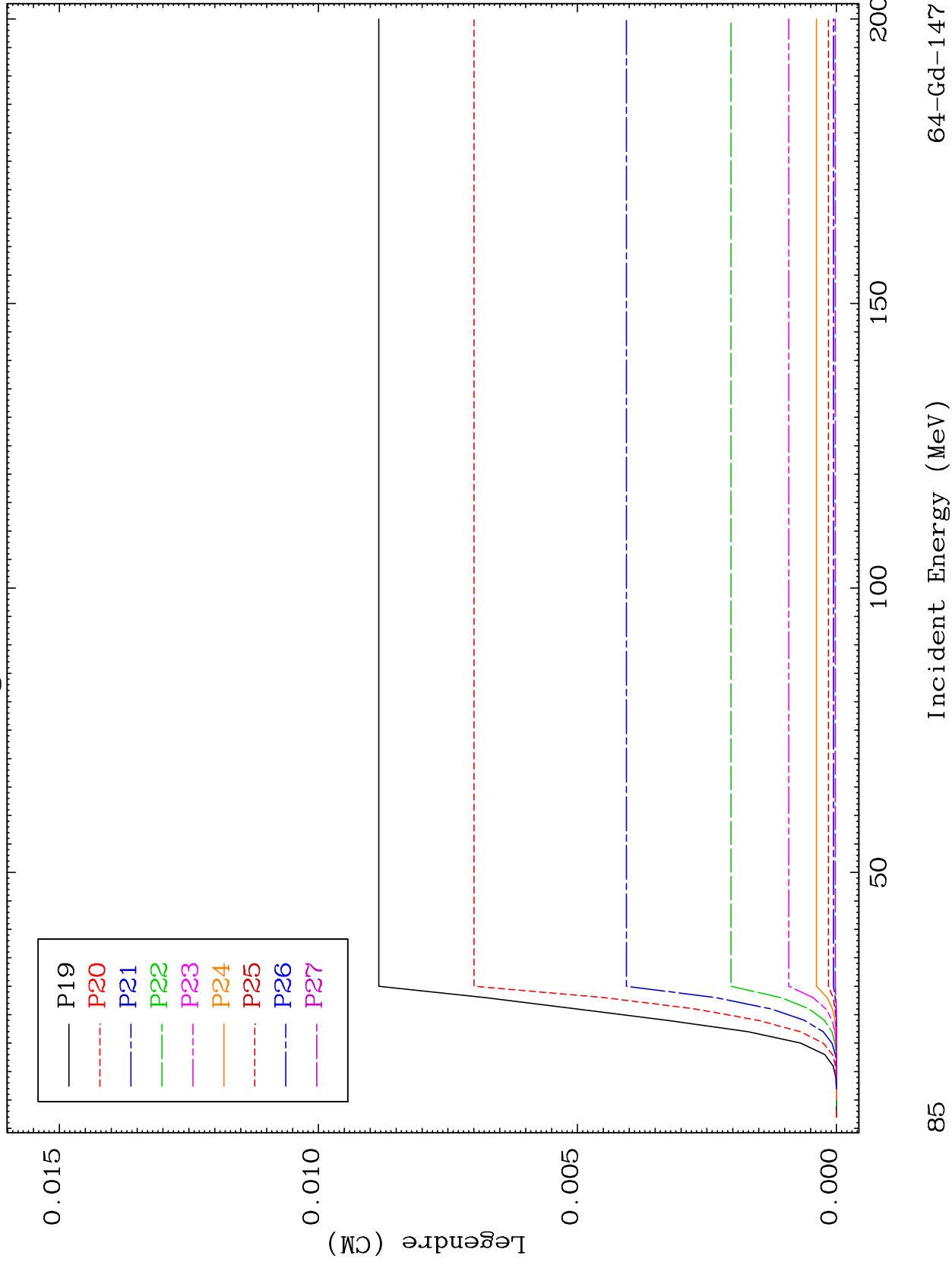
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



85

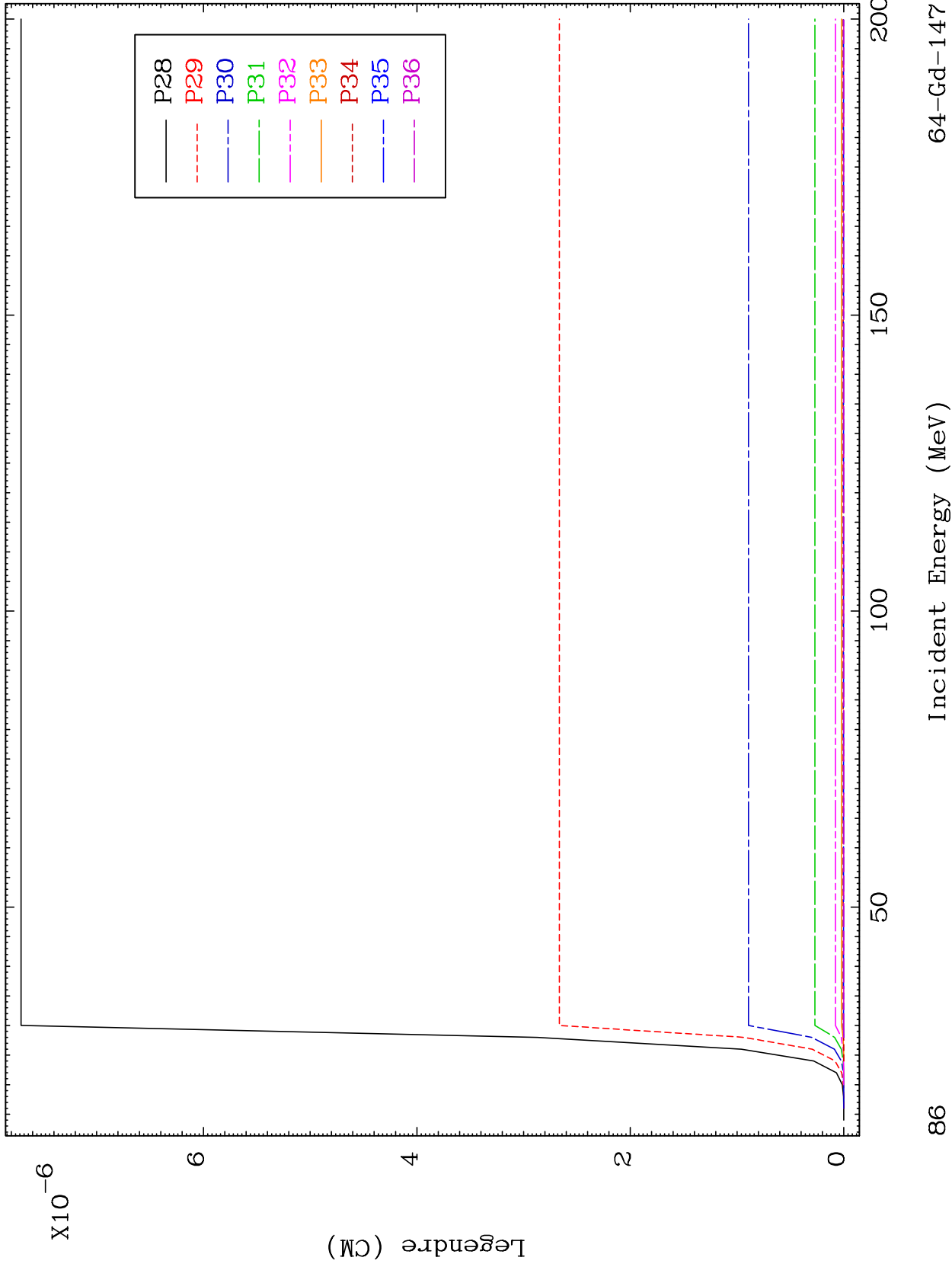
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

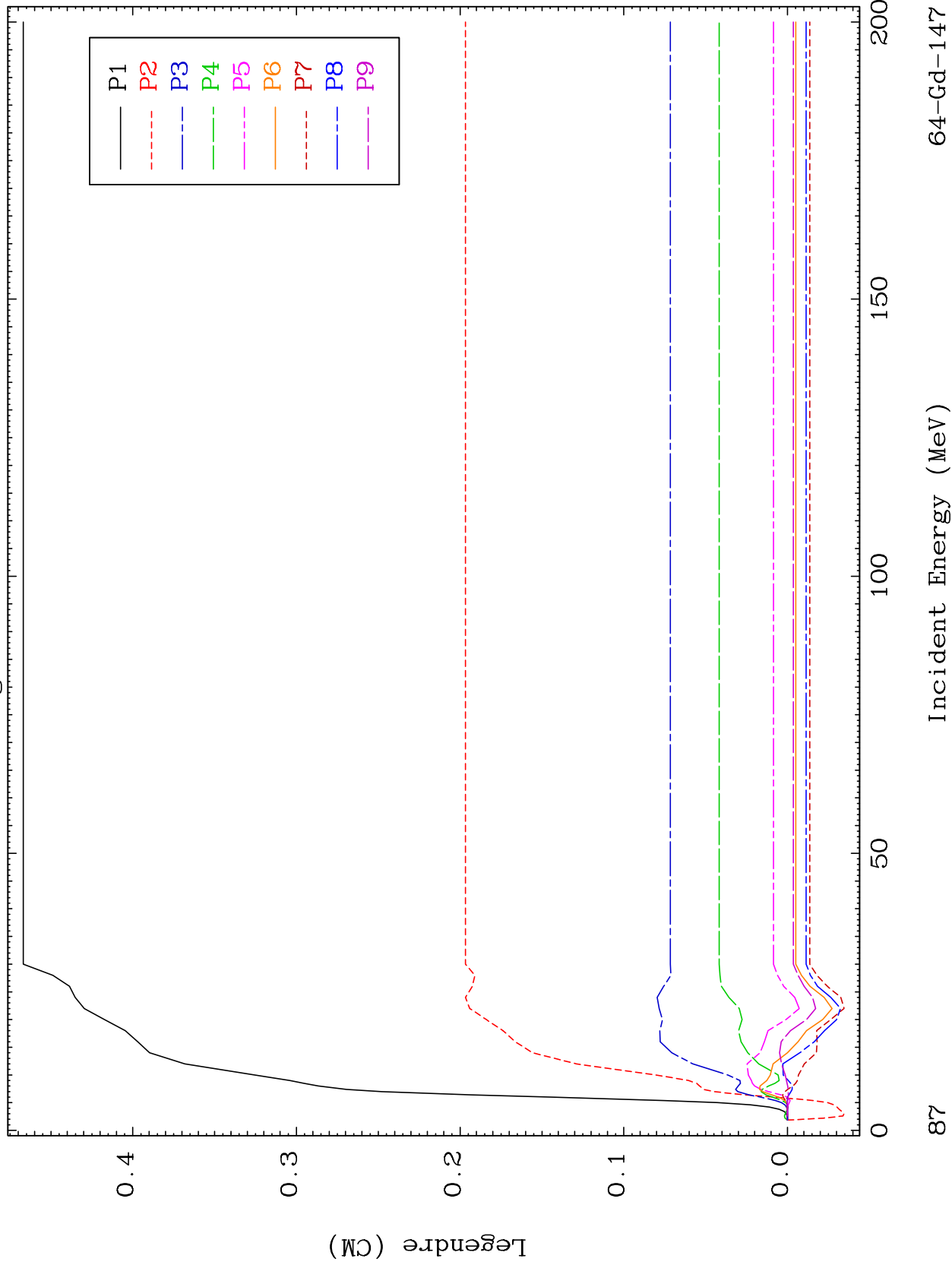
64-Gd-147



MAT 6410

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

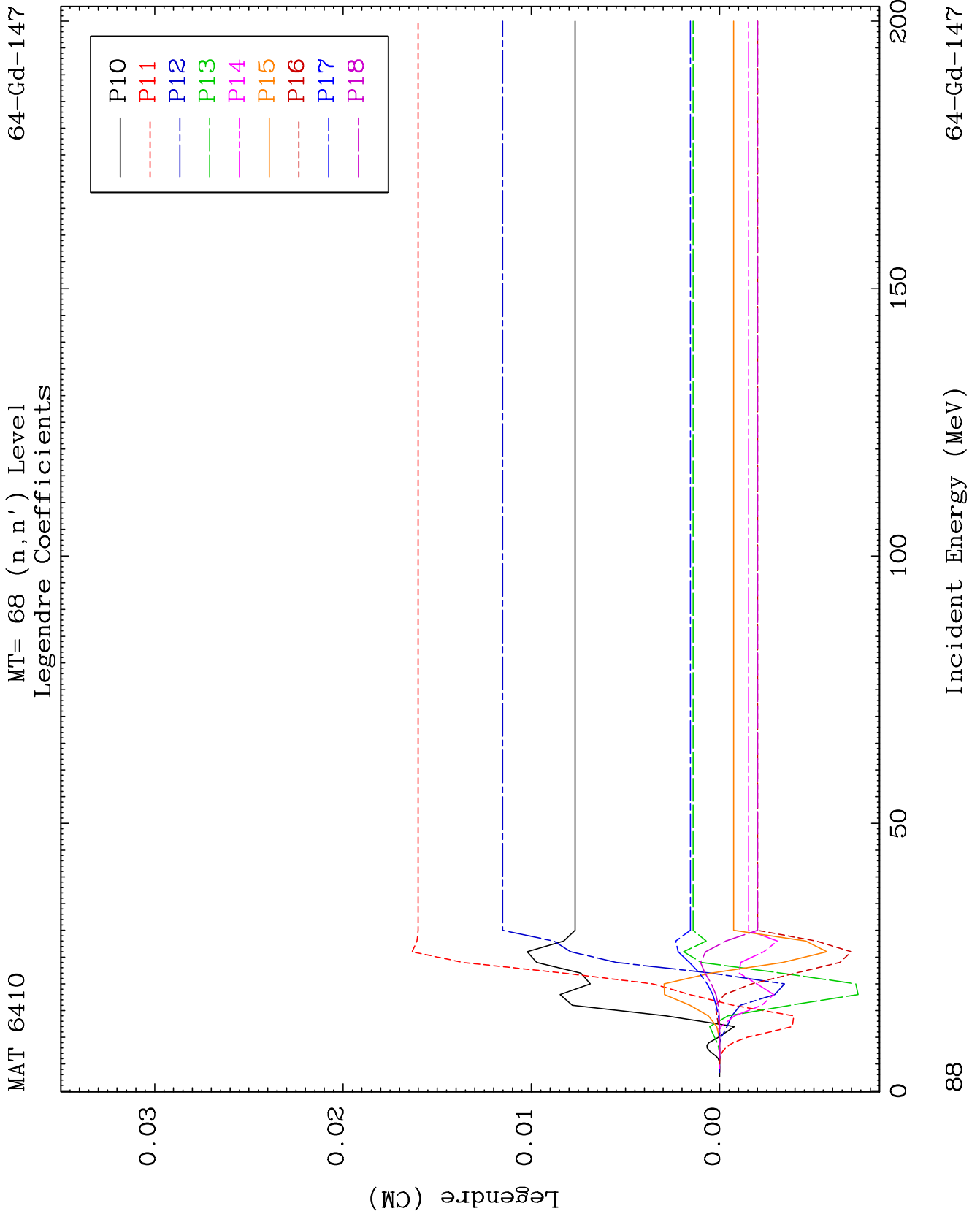
64-Gd-147

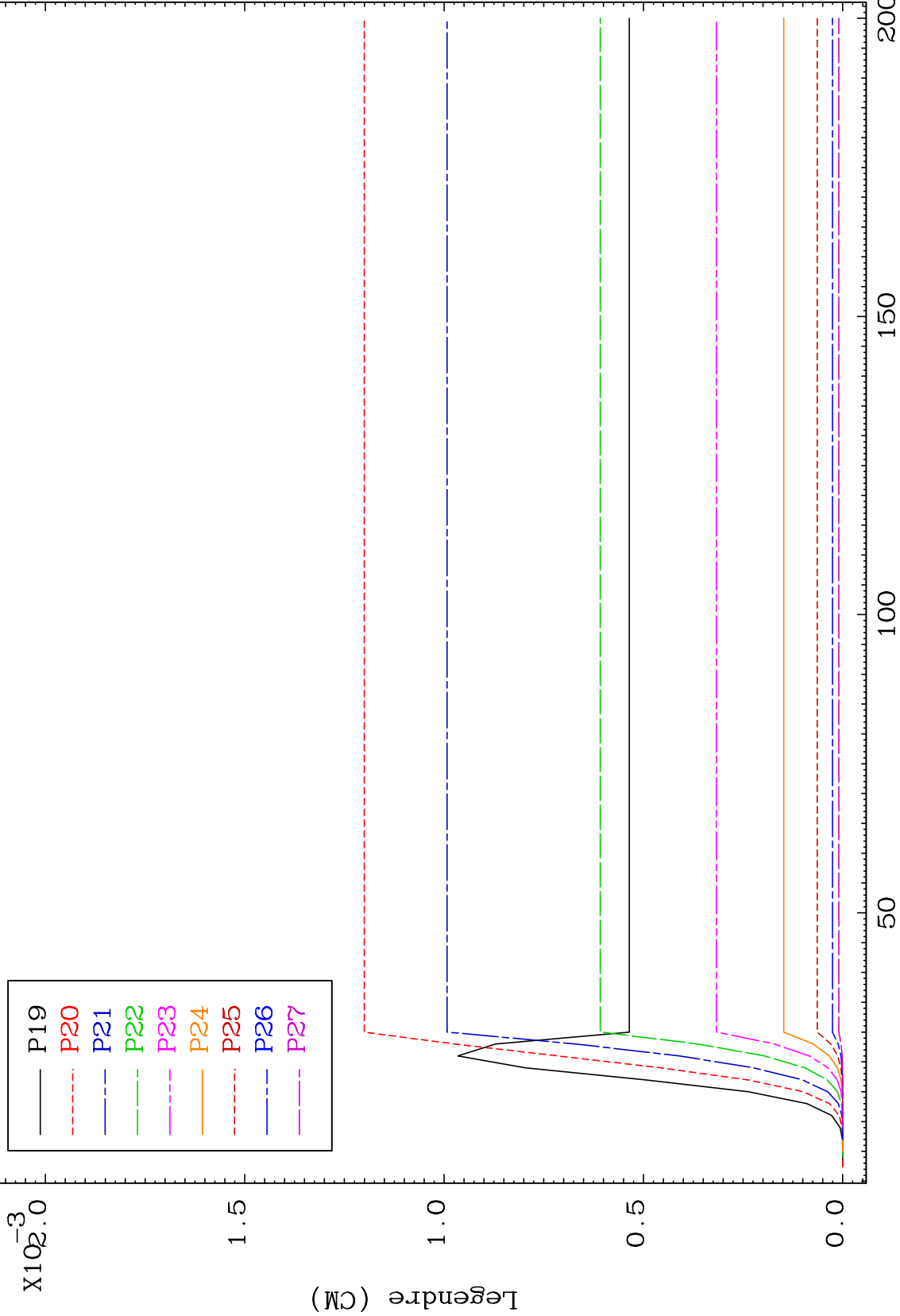
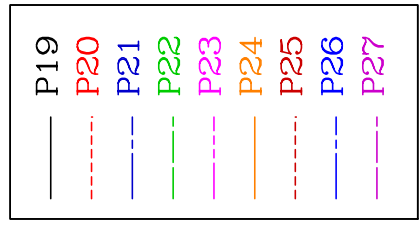


64-Gd-147

Incident Energy (MeV)

87

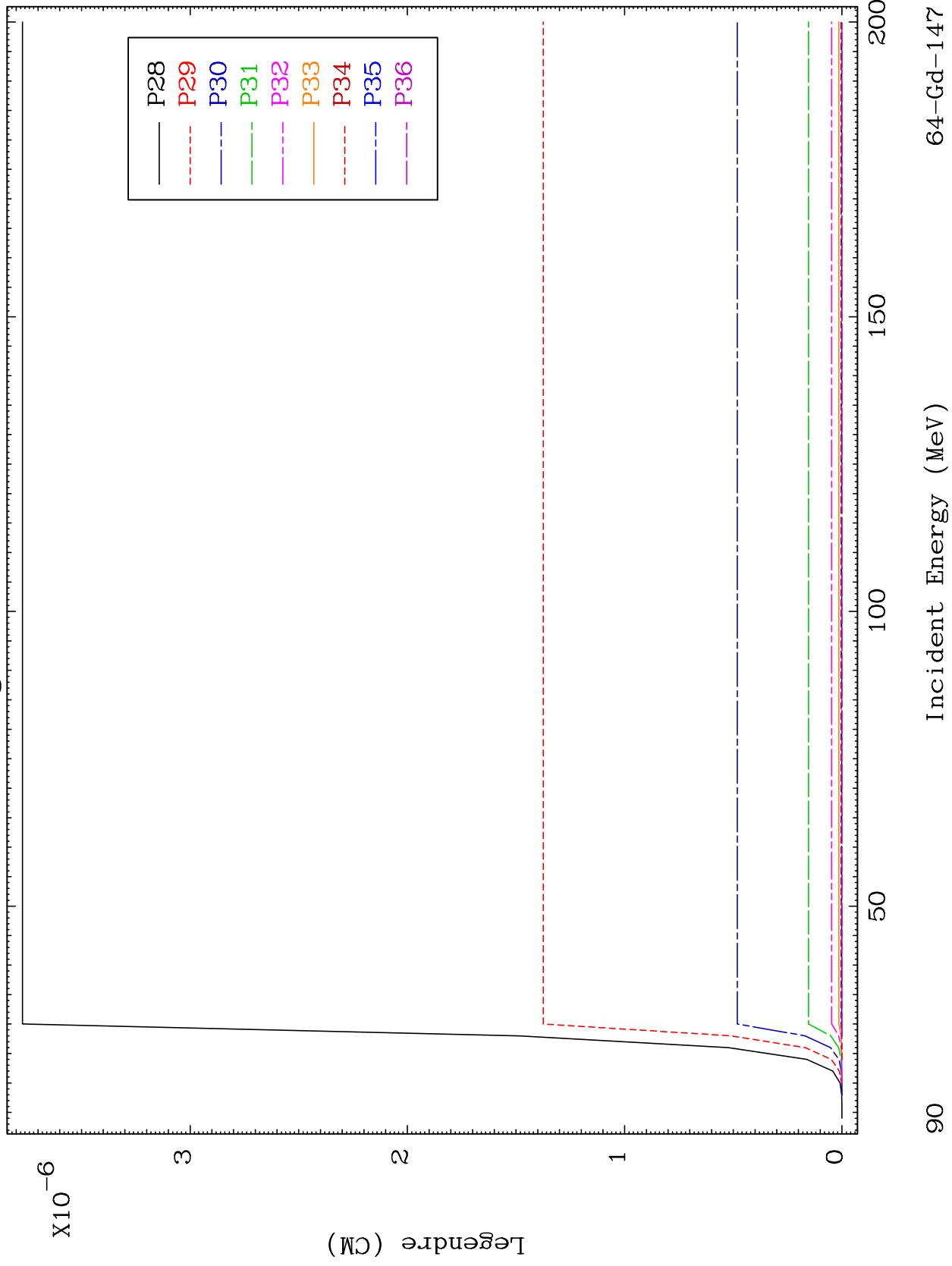




MAT 6410

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

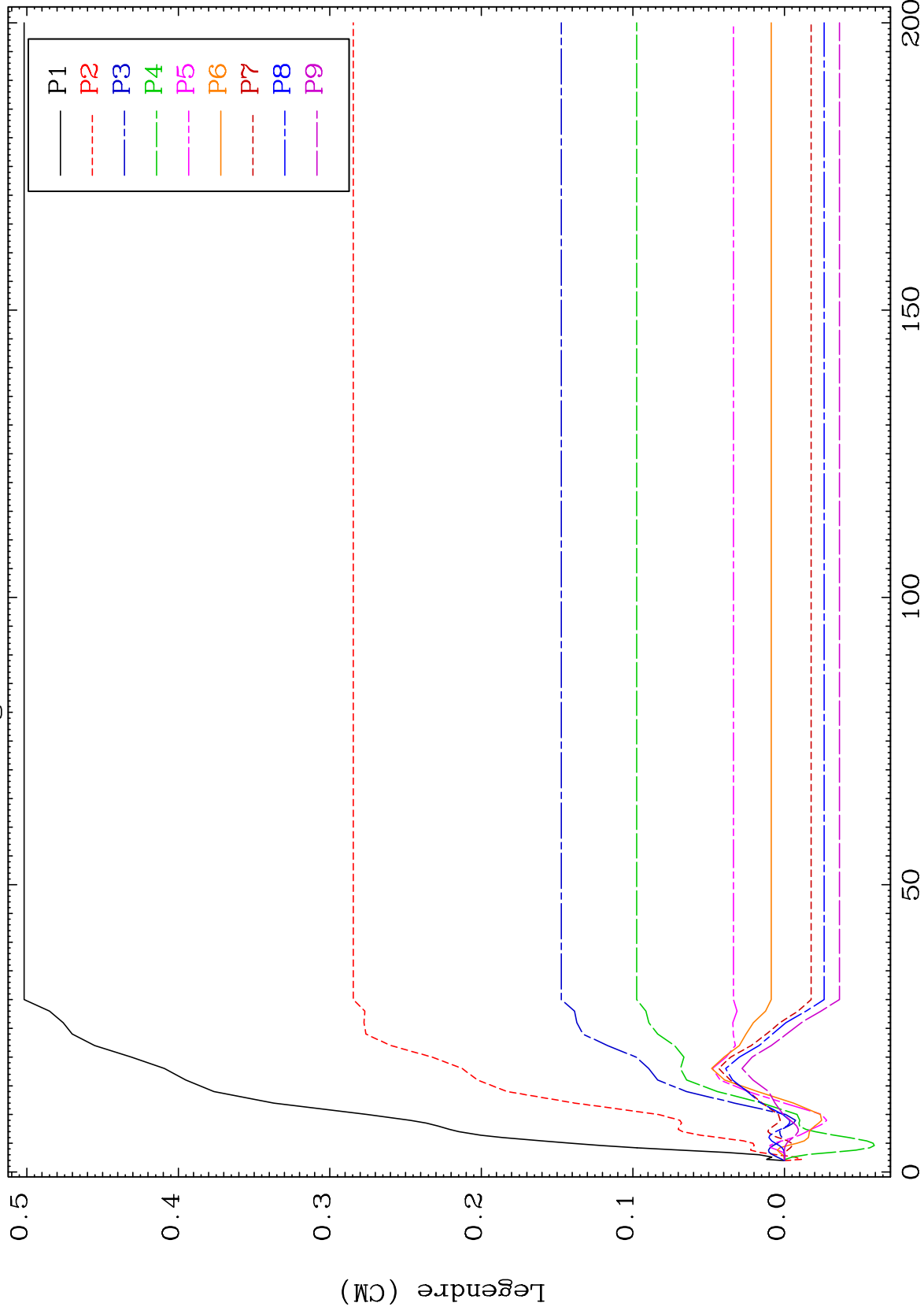
64-Gd-147



MAT 6410

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

64-Gd-147



91

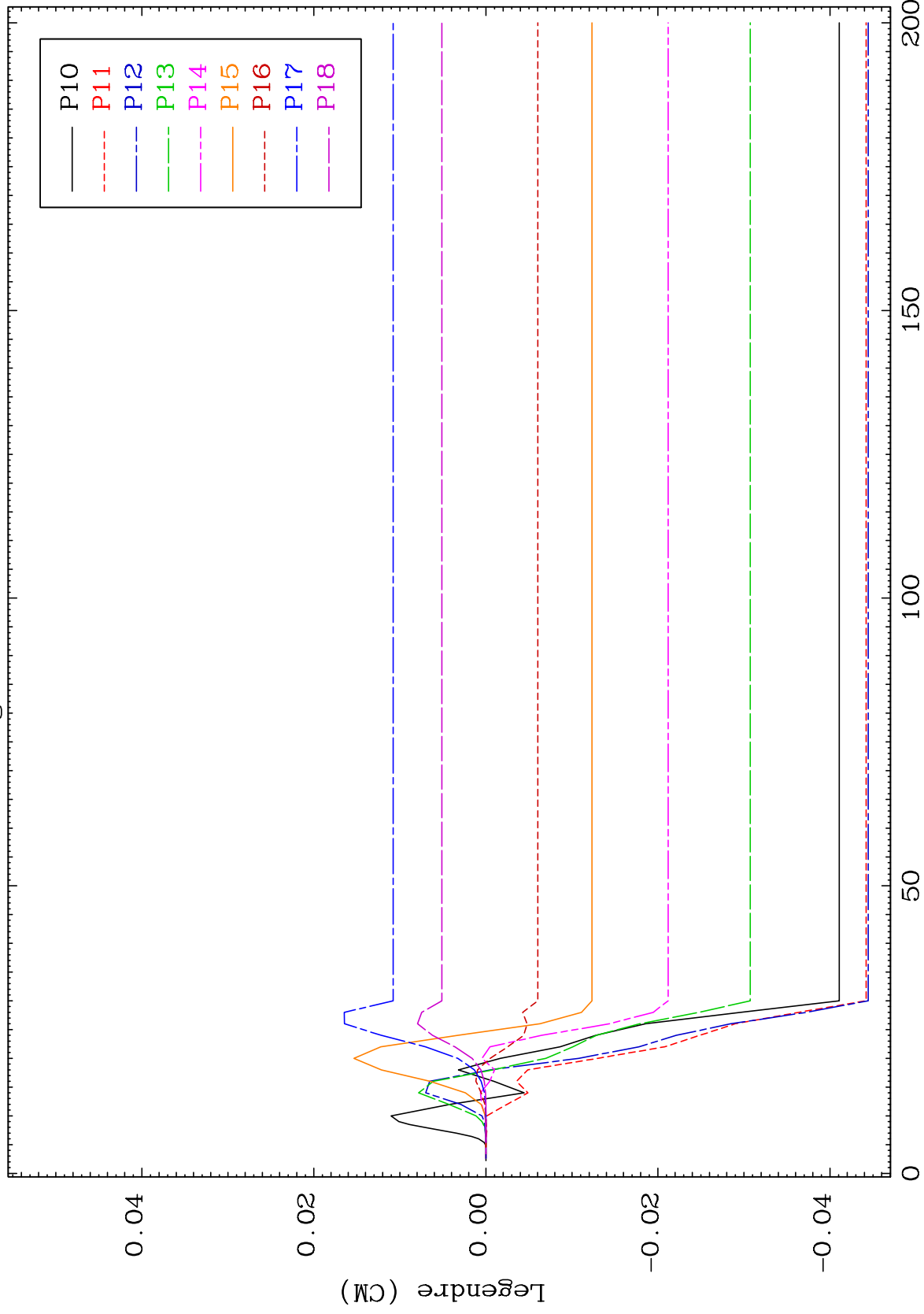
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



92

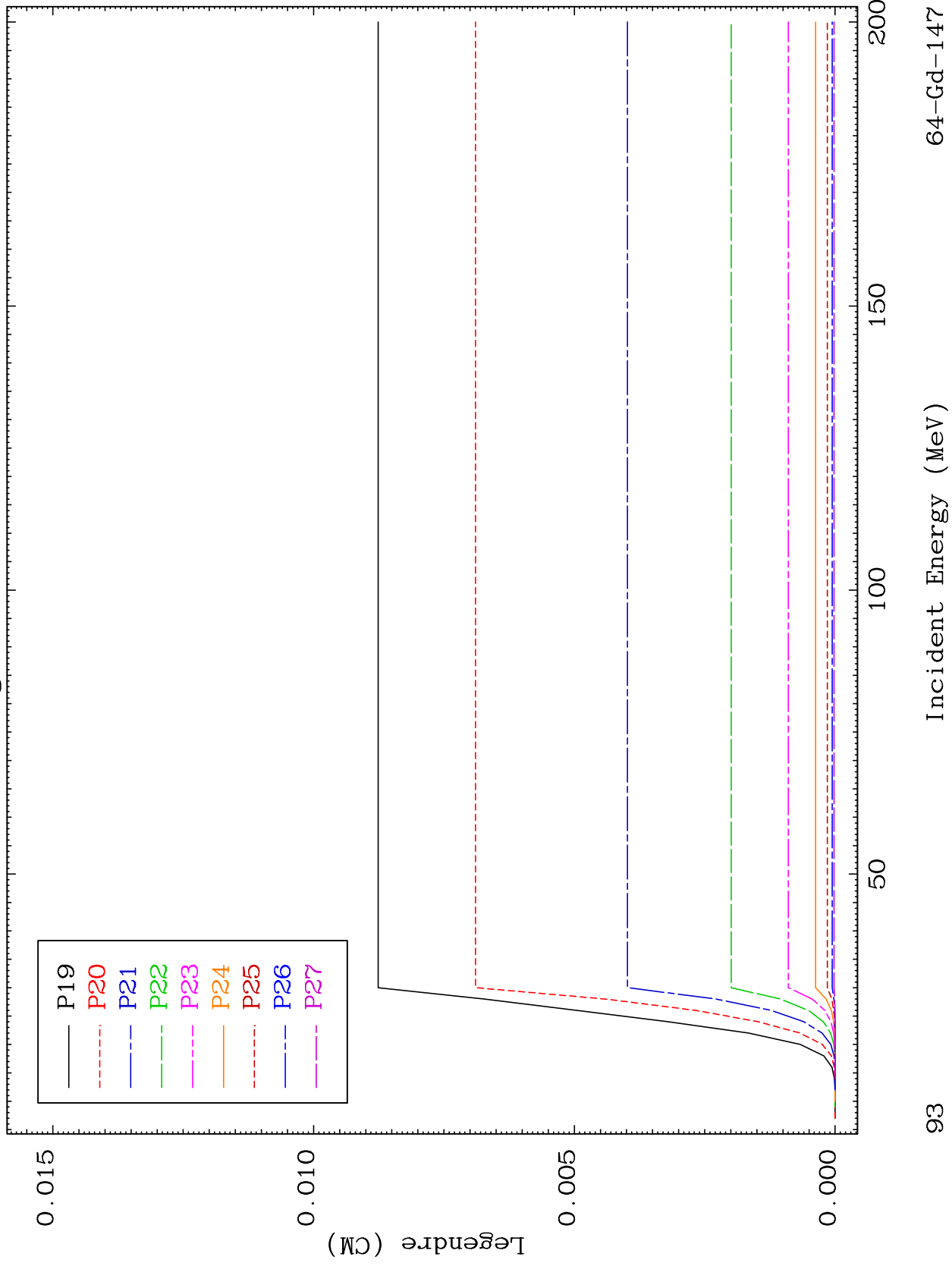
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



93

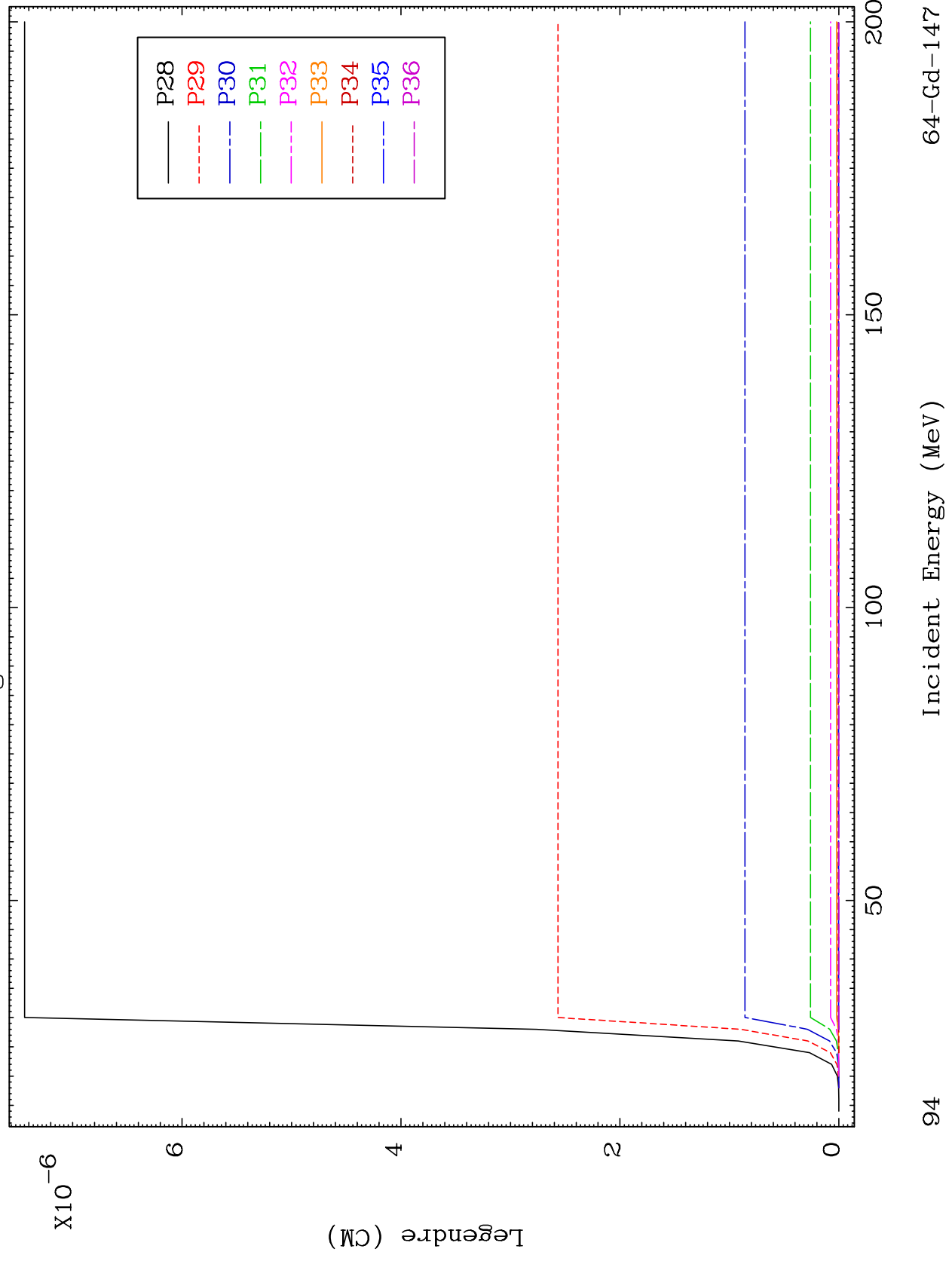
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



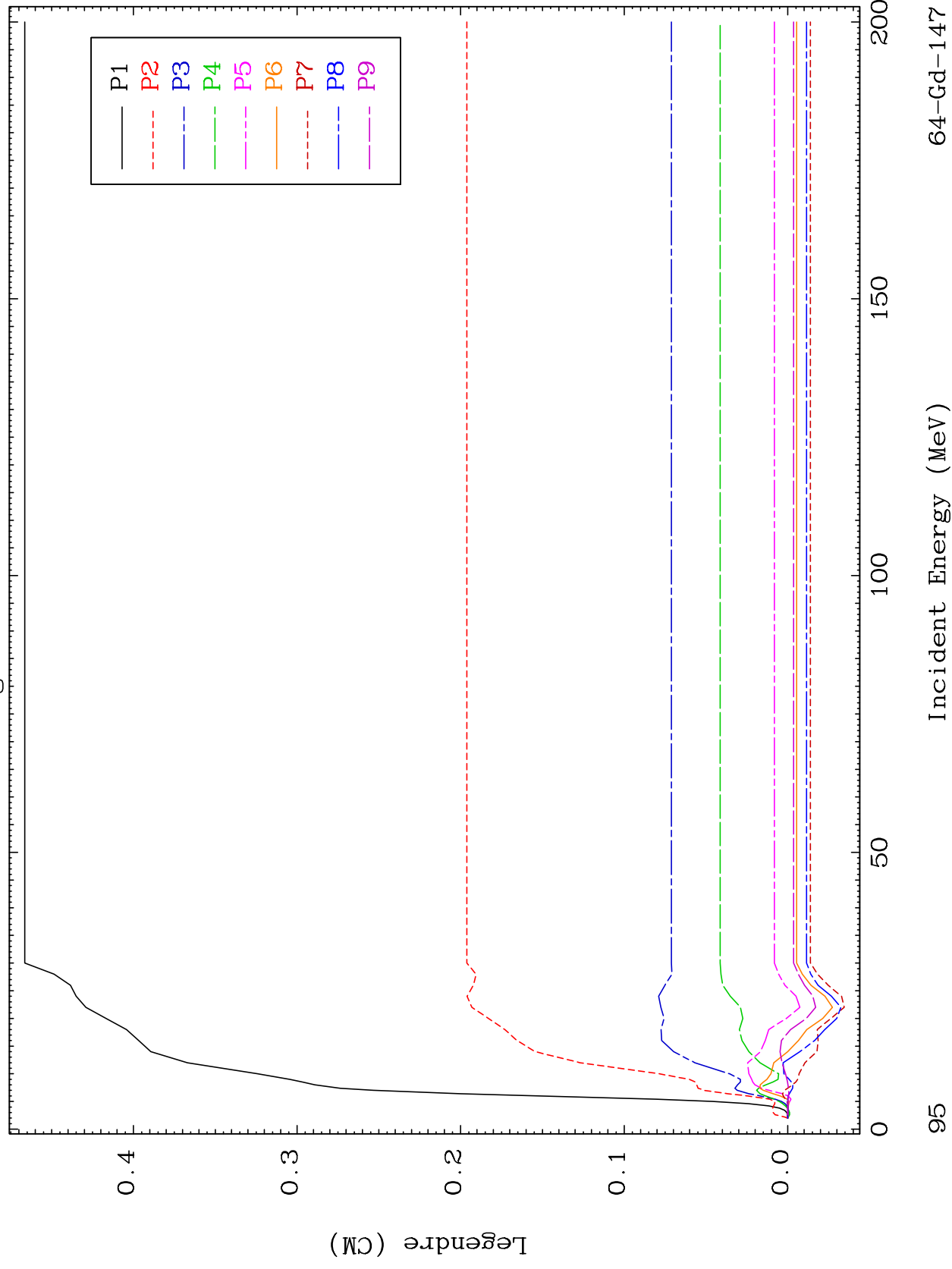
94

64-Gd-147

MAT 6410

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

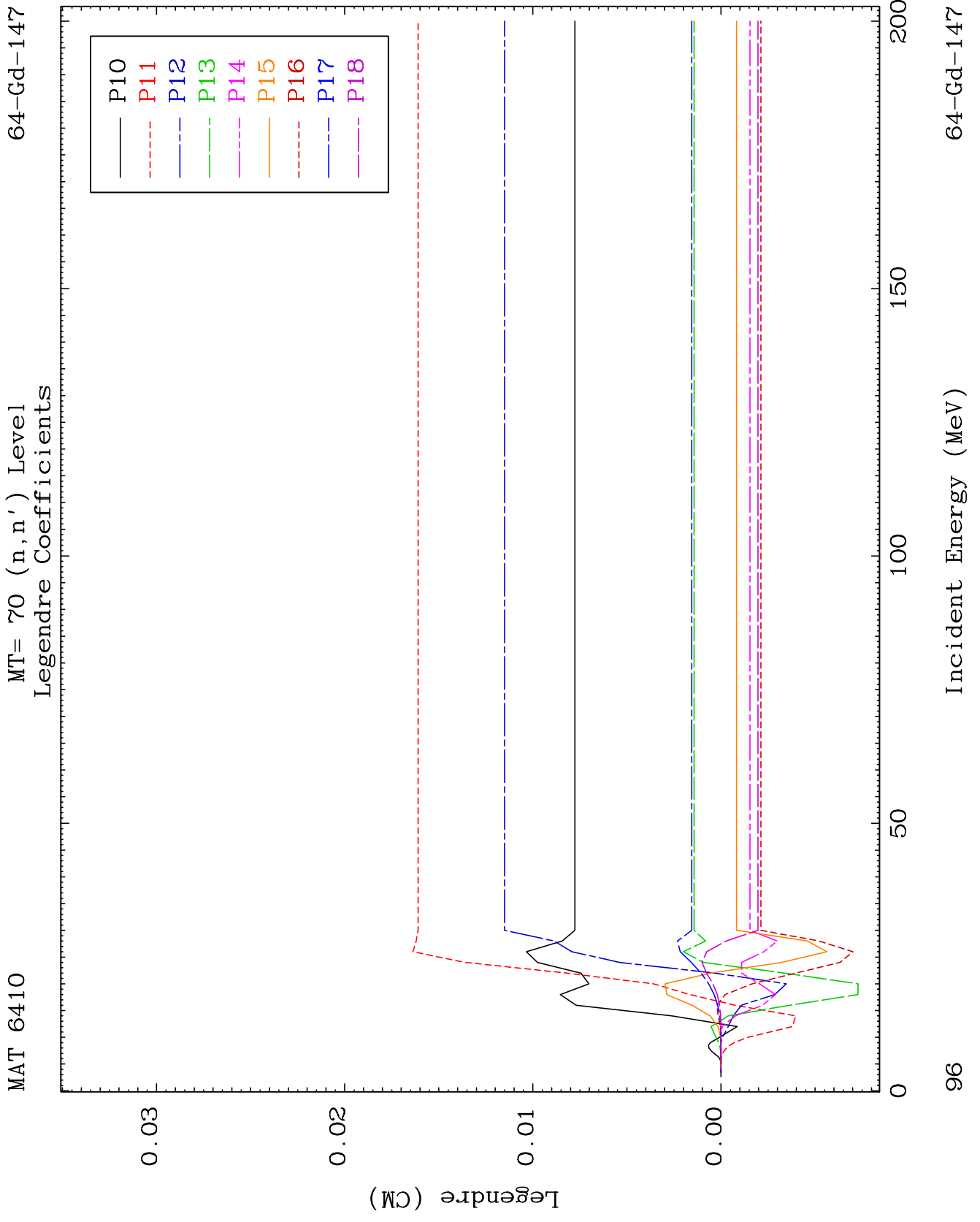
64-Gd-147



64-Gd-147

Incident Energy (MeV)

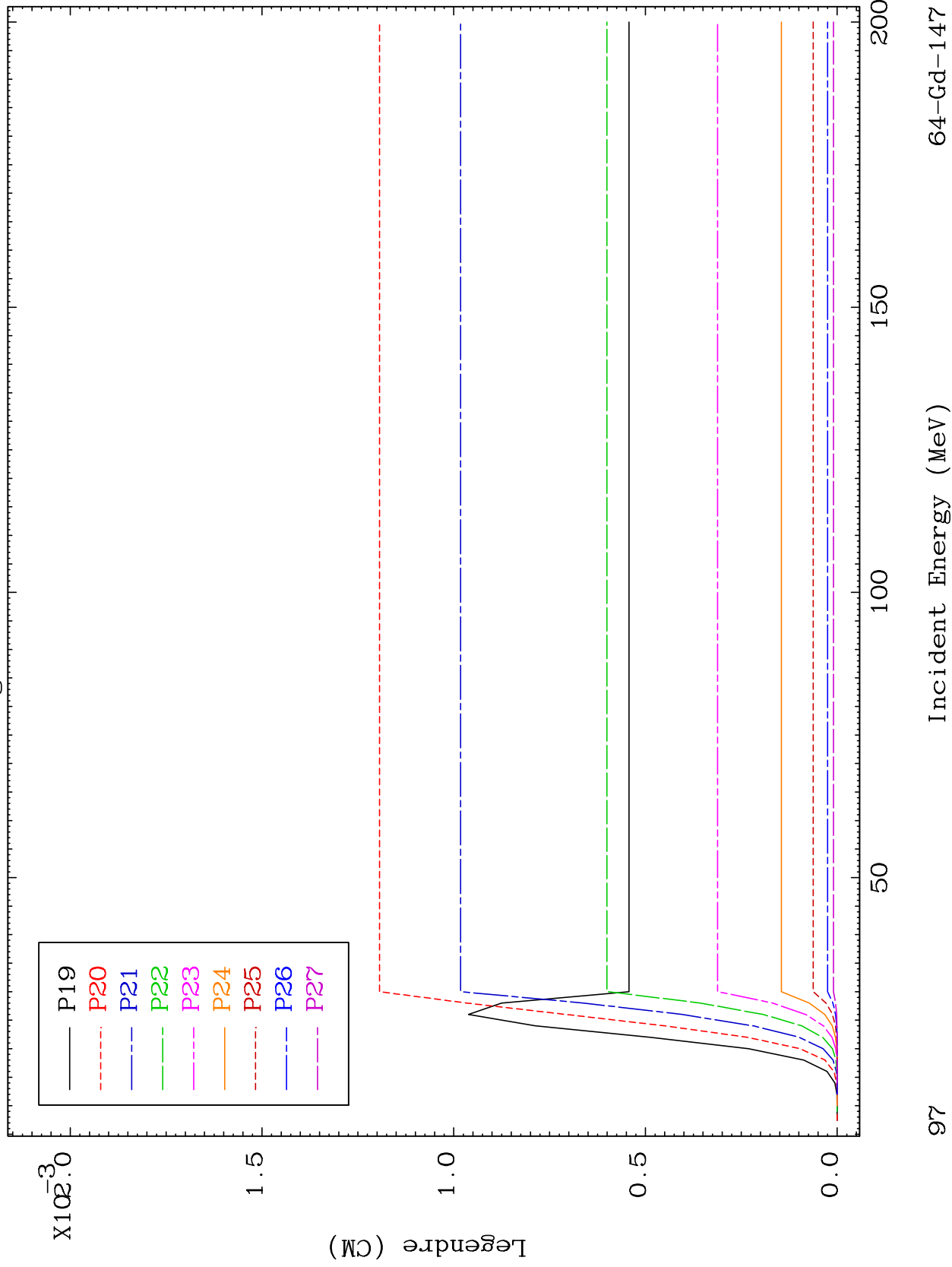
95



MAT 6410

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

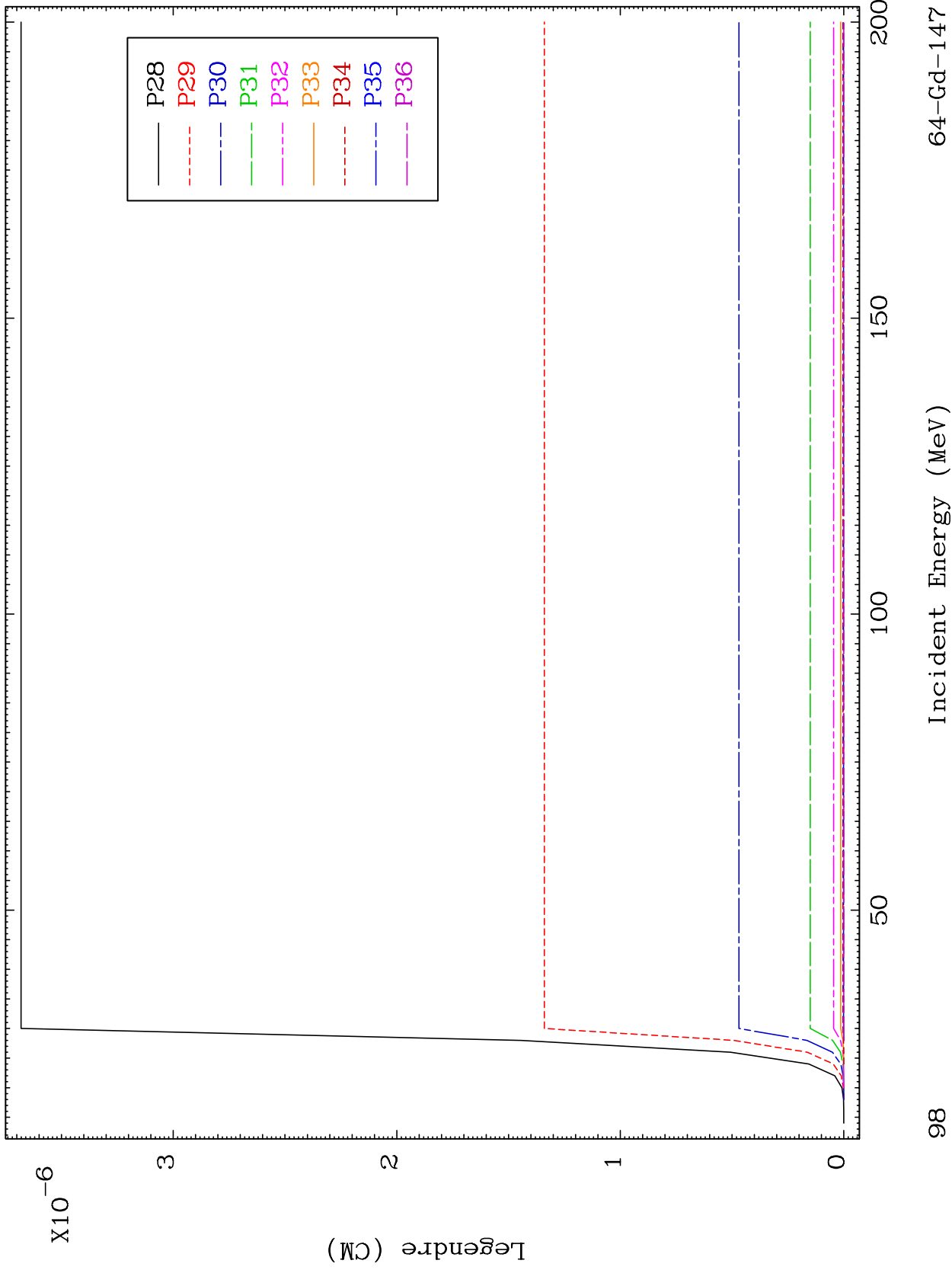
64-Gd-147



MAT 6410

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

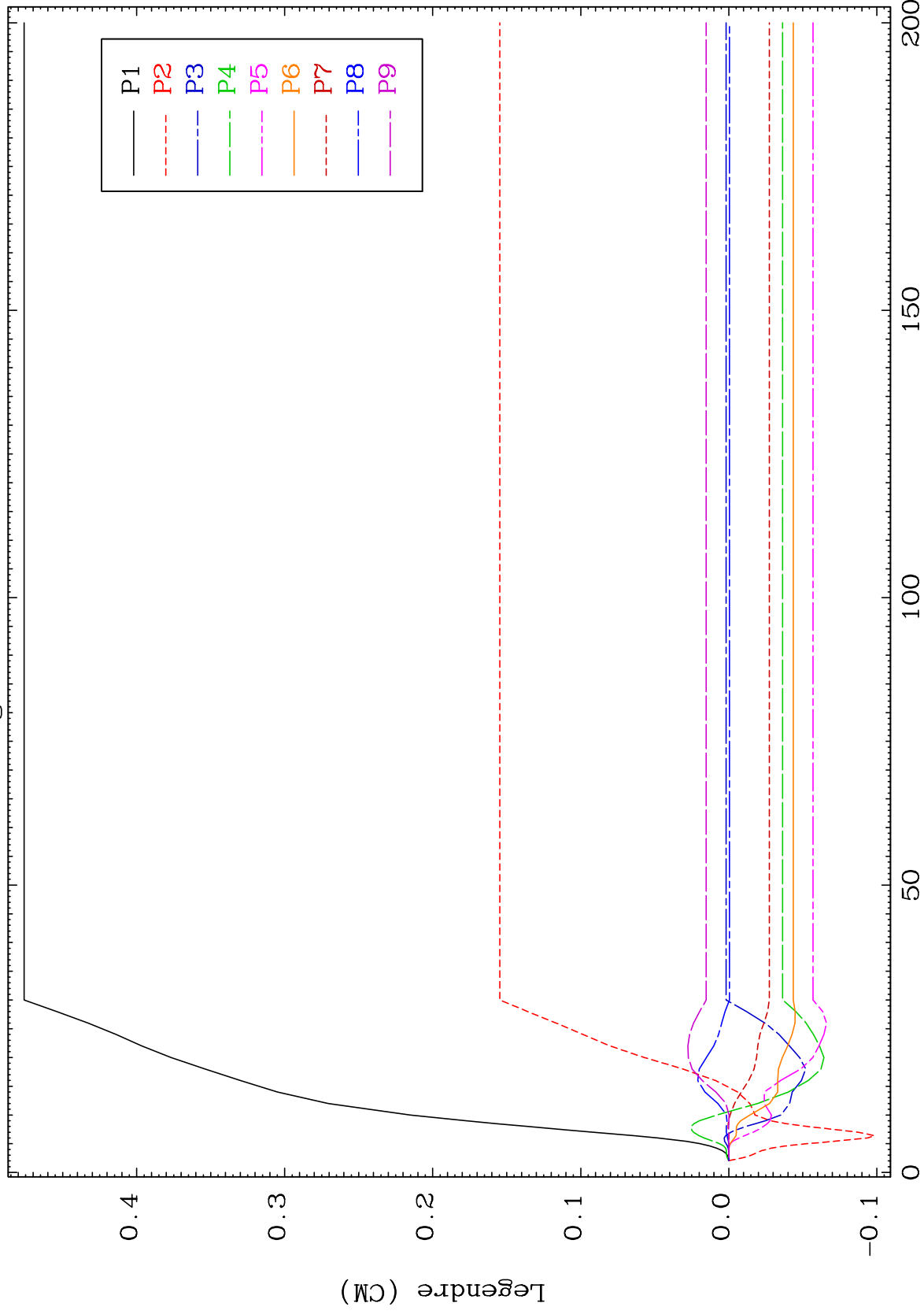
64-Gd-147



MAT 6410

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

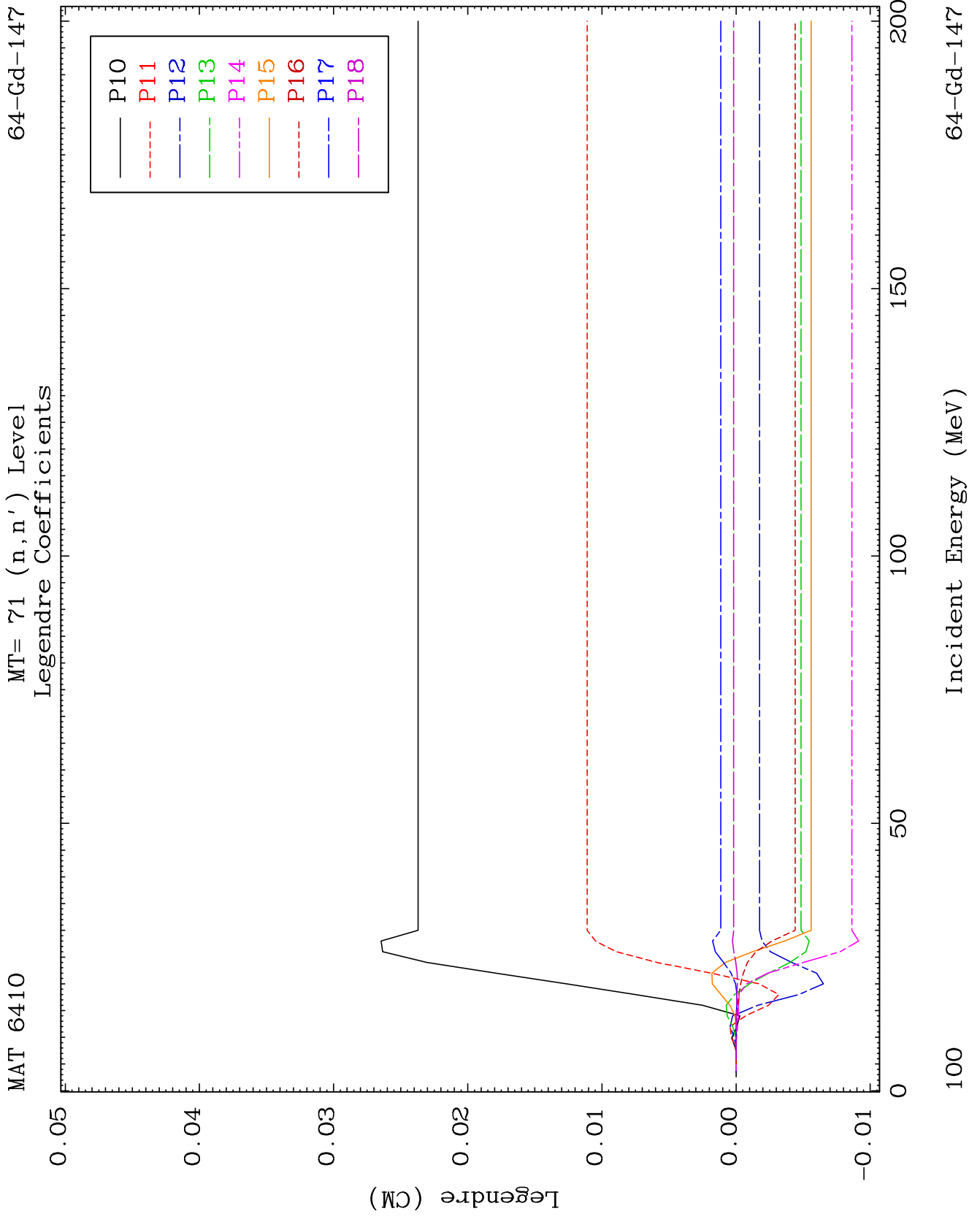
64-Gd-147



99

Incident Energy (MeV)

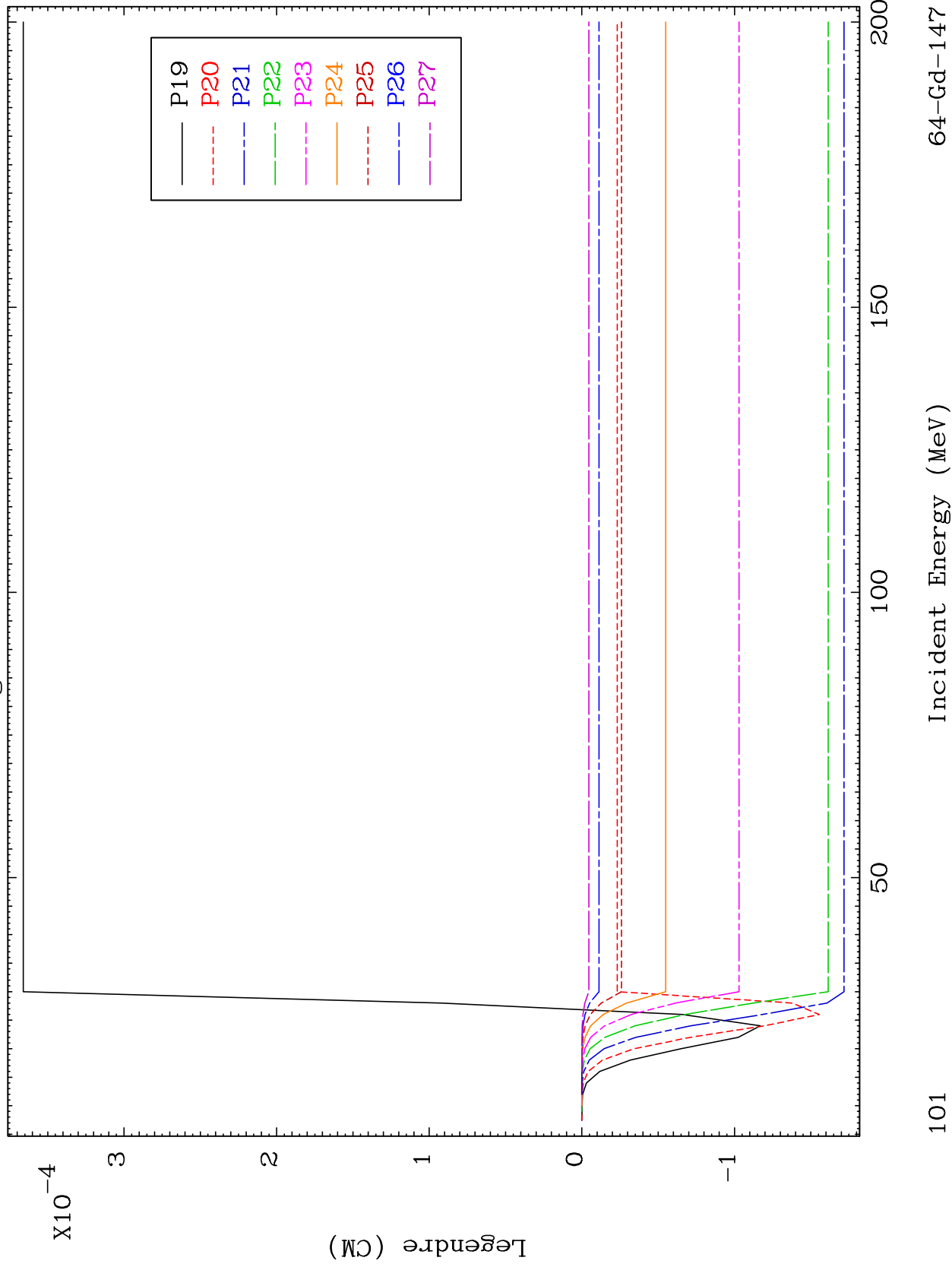
64-Gd-147

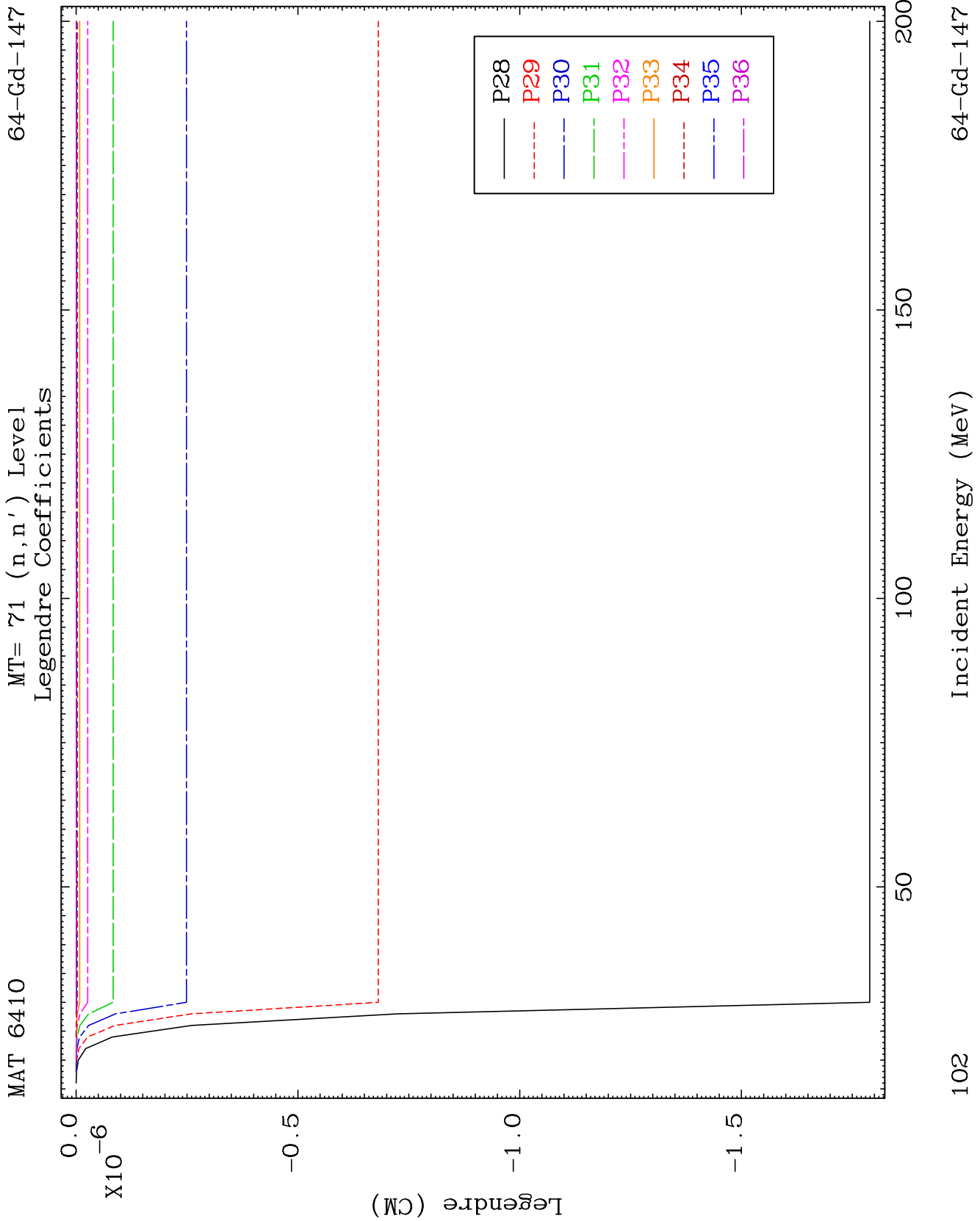


MAT 6410

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

64-Gd-147

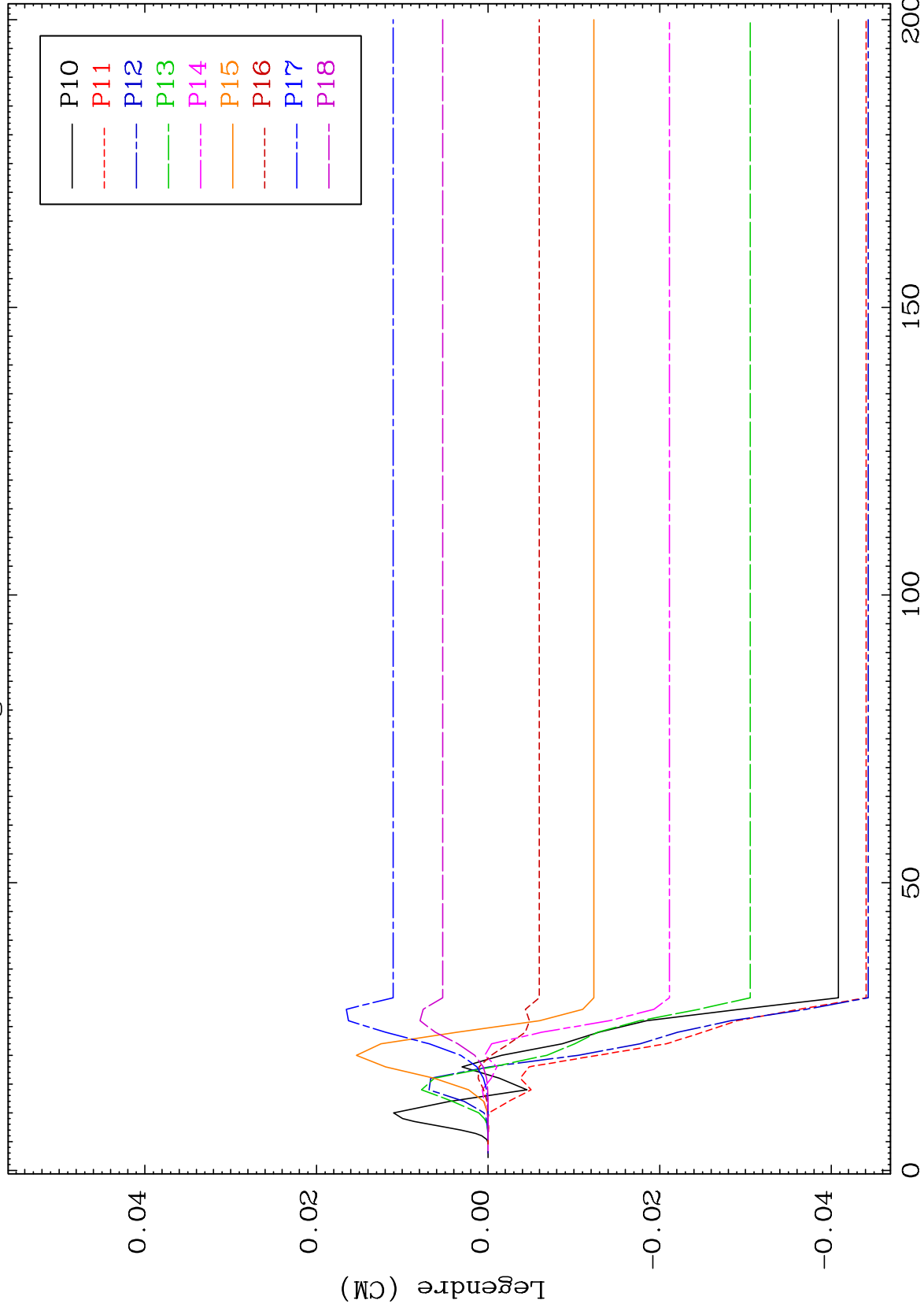




MAT 6410

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

64-Gd-147



104

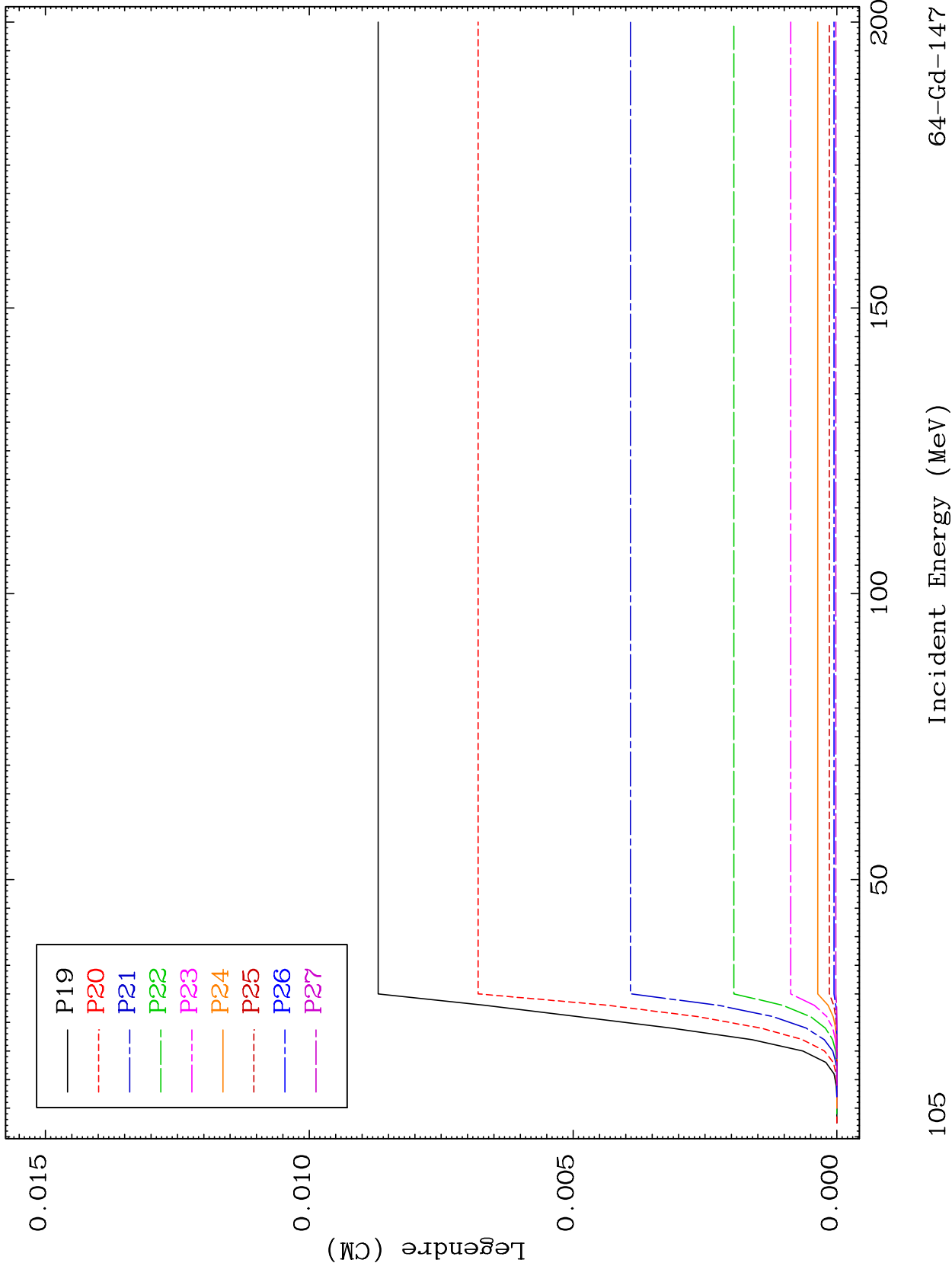
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



105

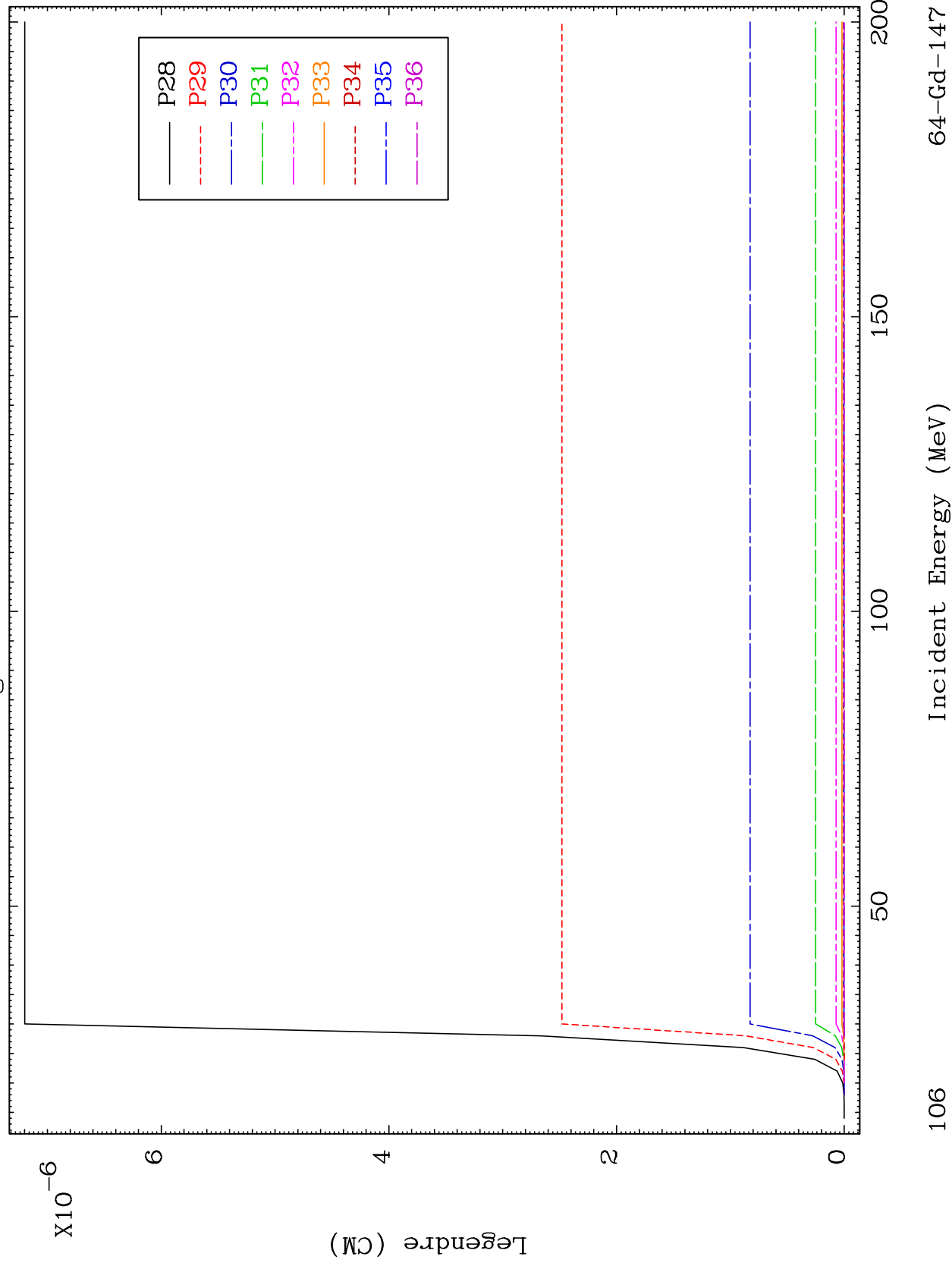
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

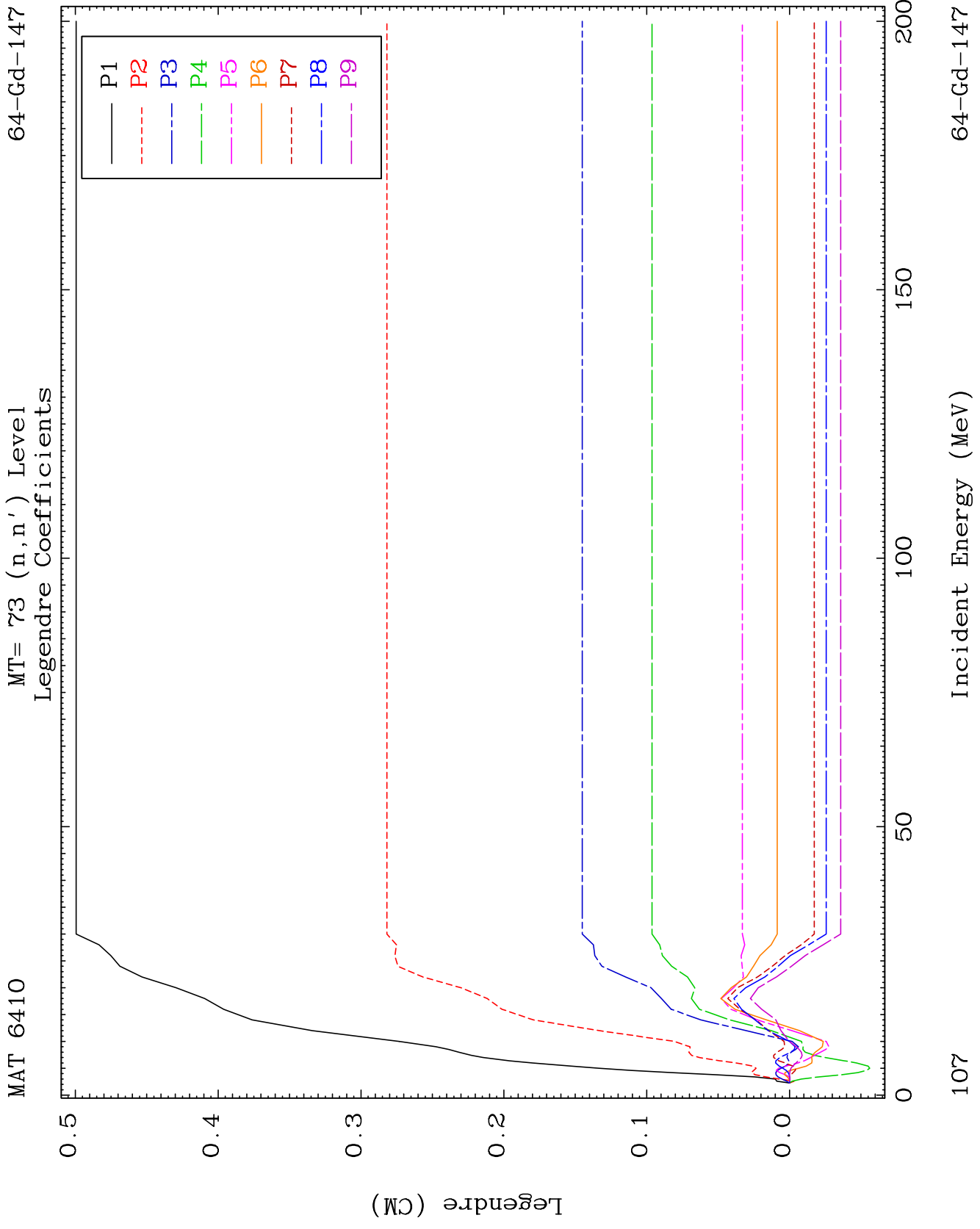
64-Gd-147



106

Incident Energy (MeV)

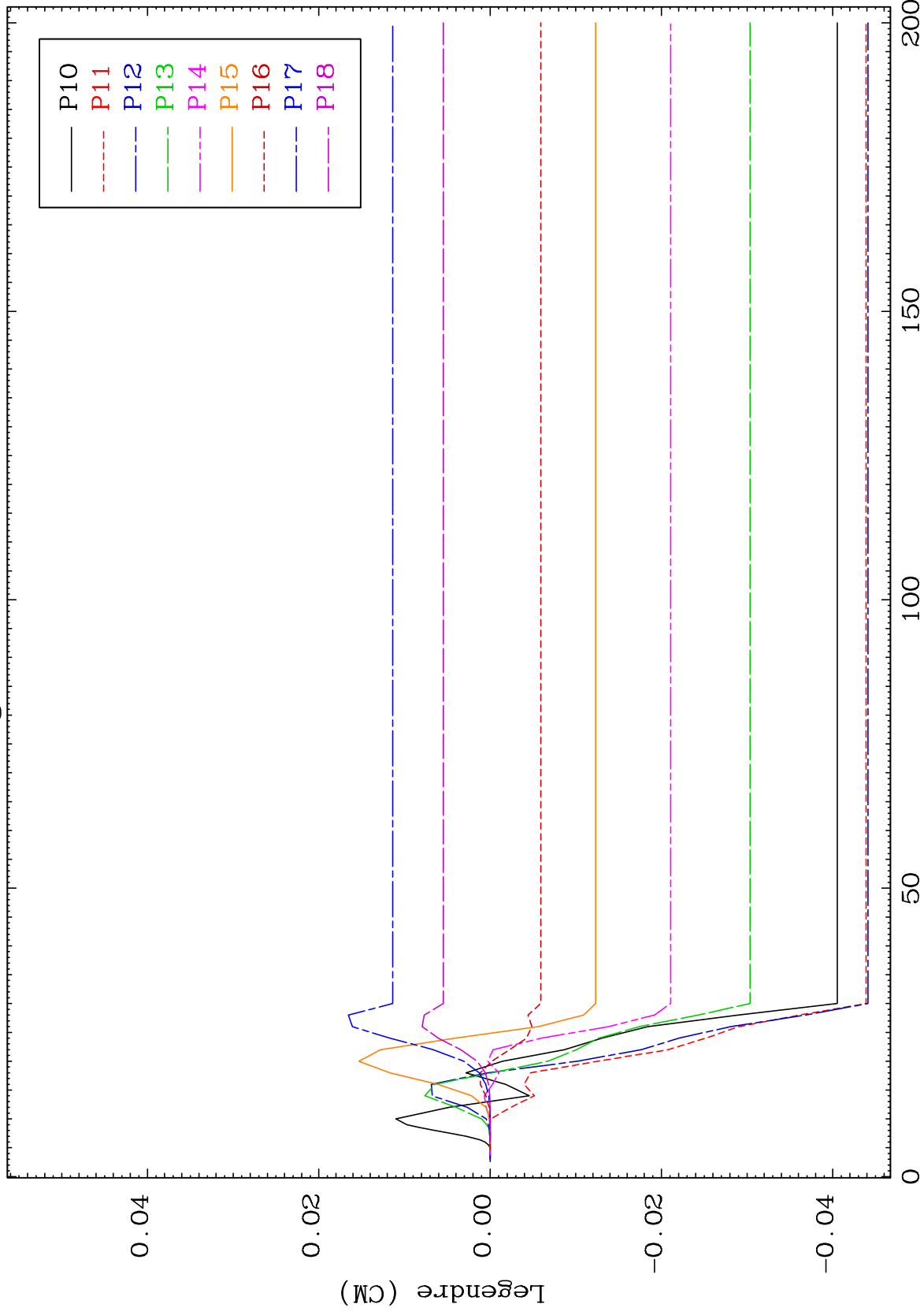
64-Gd-147



MAT 6410

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

64-Gd-147



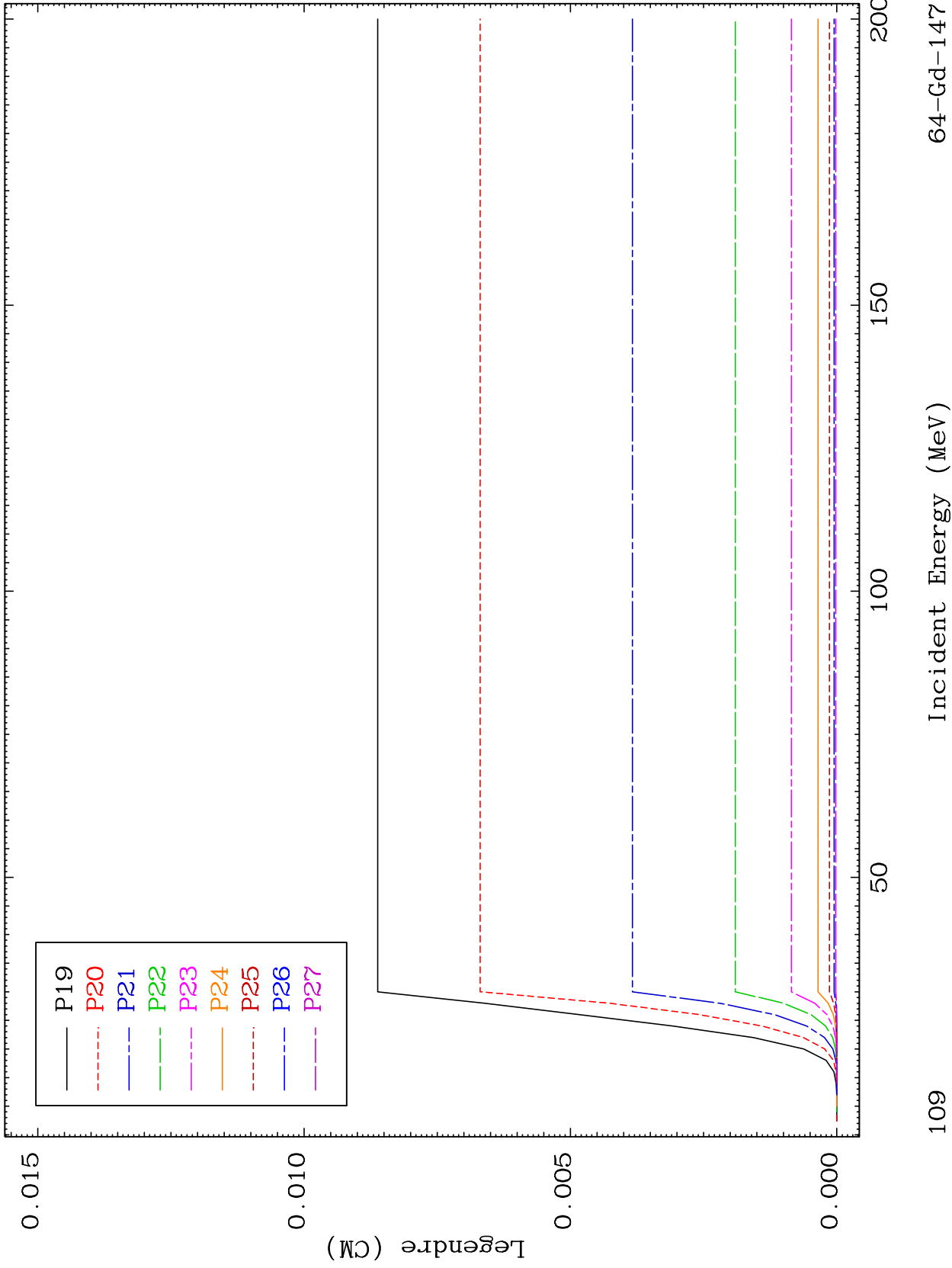
108

64-Gd-147

MAT 6410

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

64-Gd-147



109

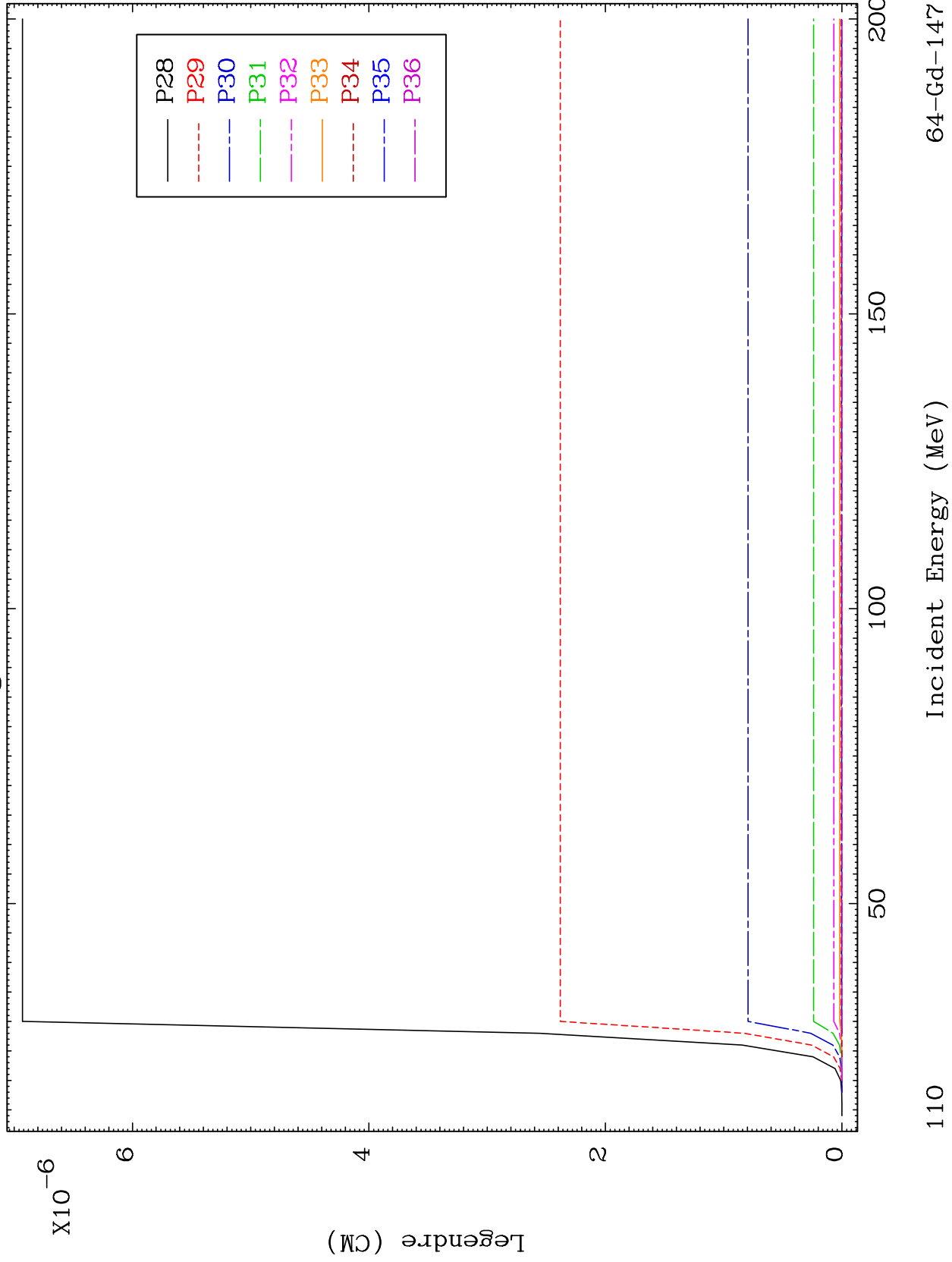
Incident Energy (MeV)

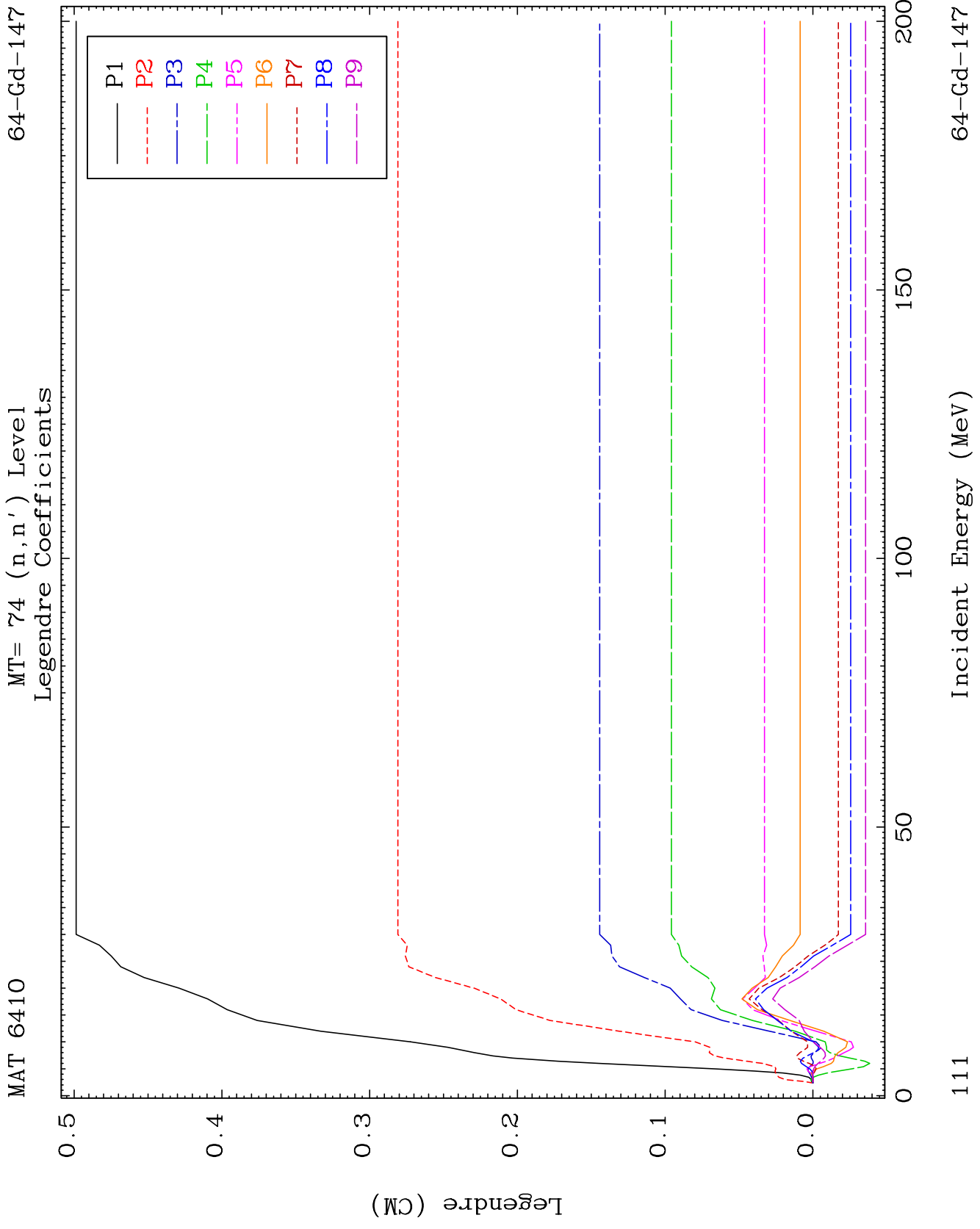
64-Gd-147

MAT 6410

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

64-Gd-147

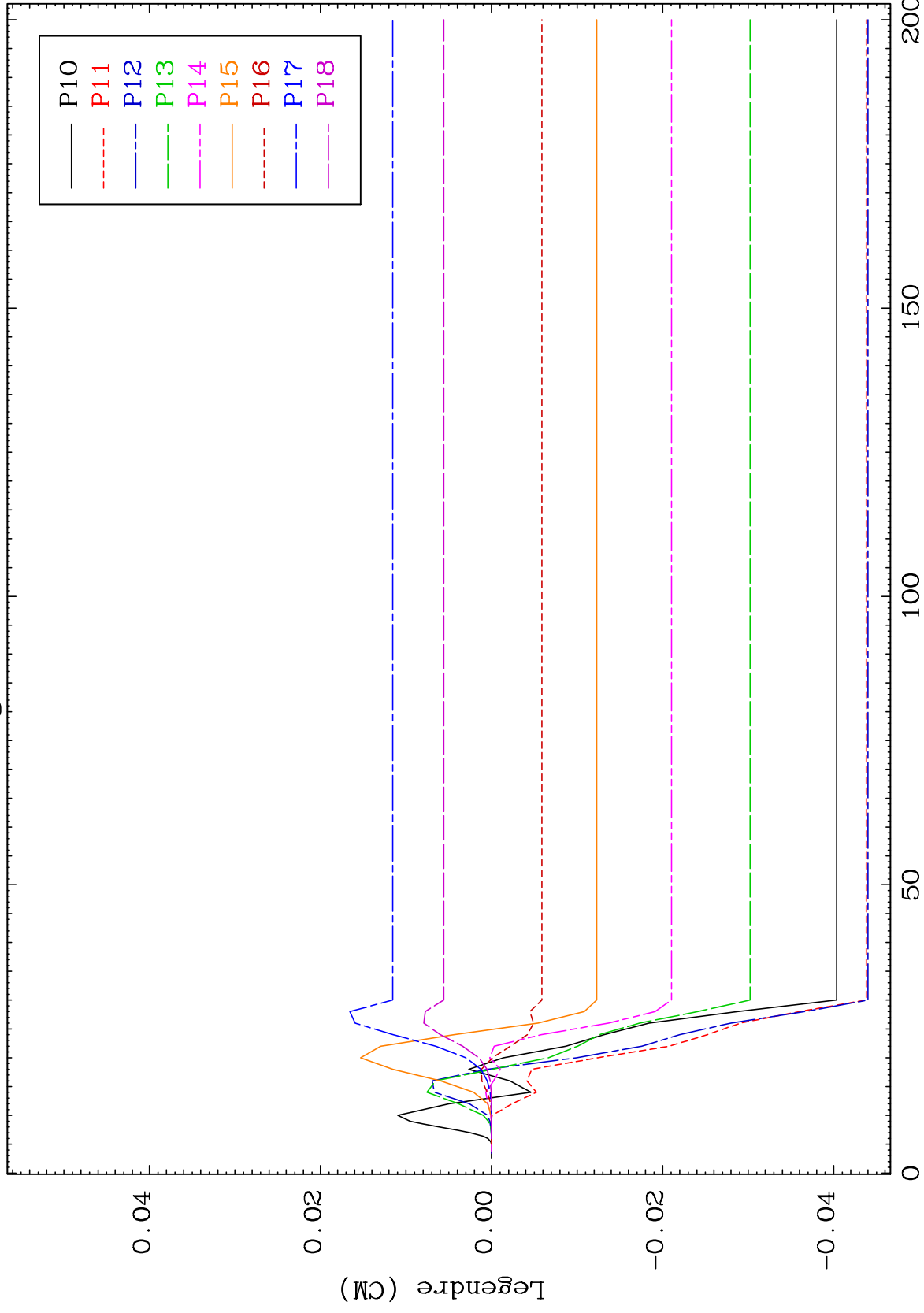




MAT 6410

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

64-Gd-147



112

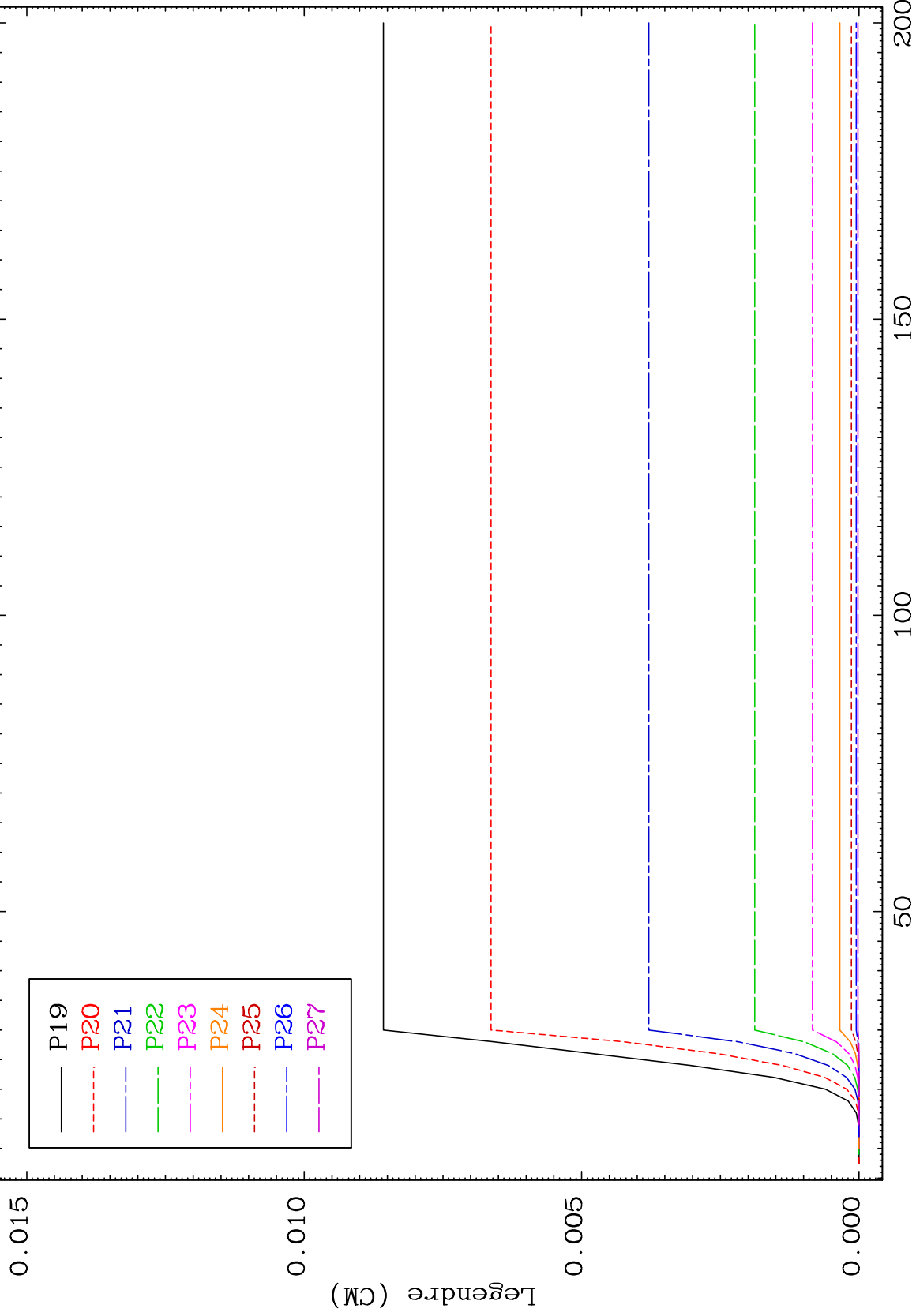
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



113

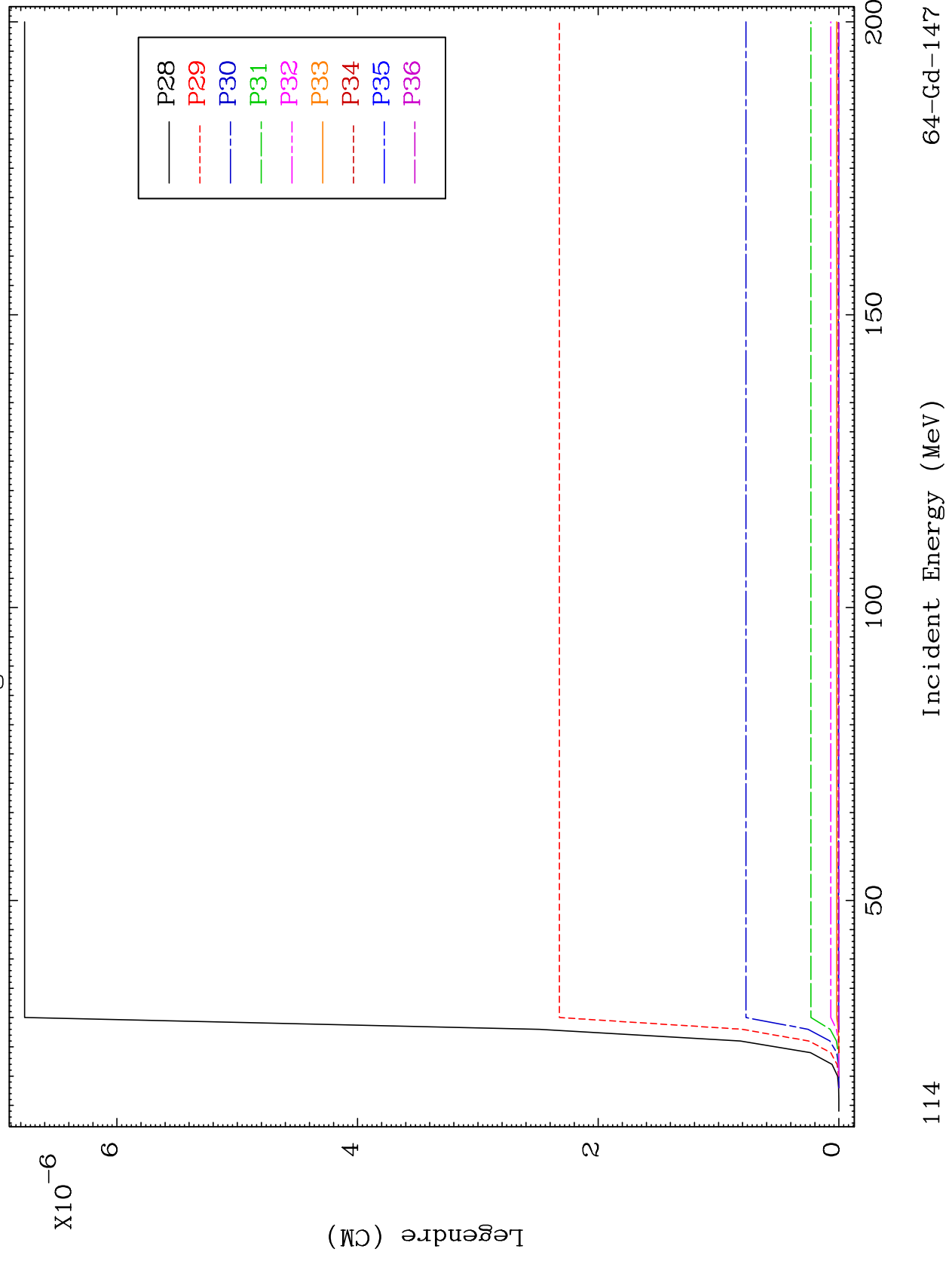
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



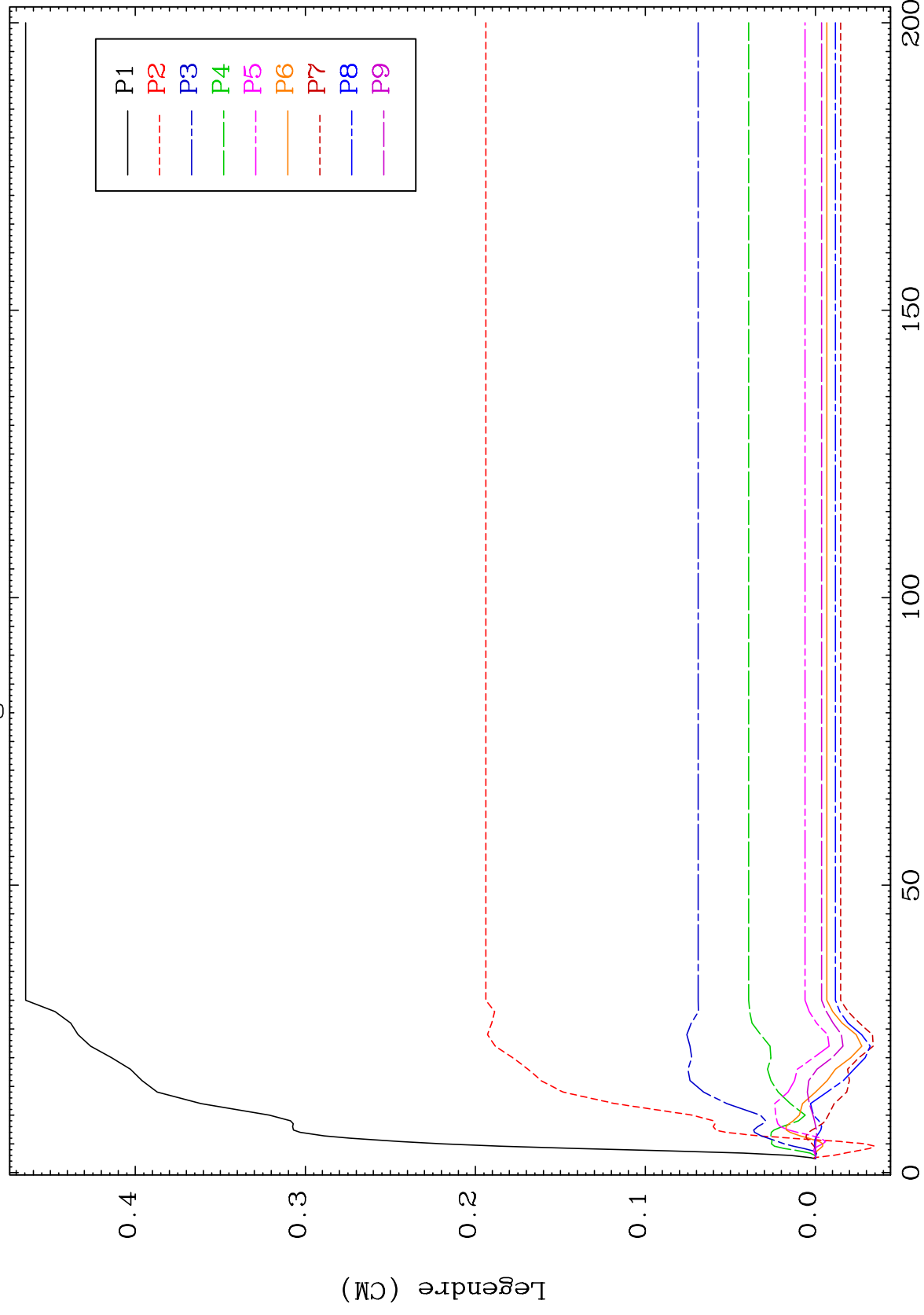
114

64-Gd-147

MAT 6410

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

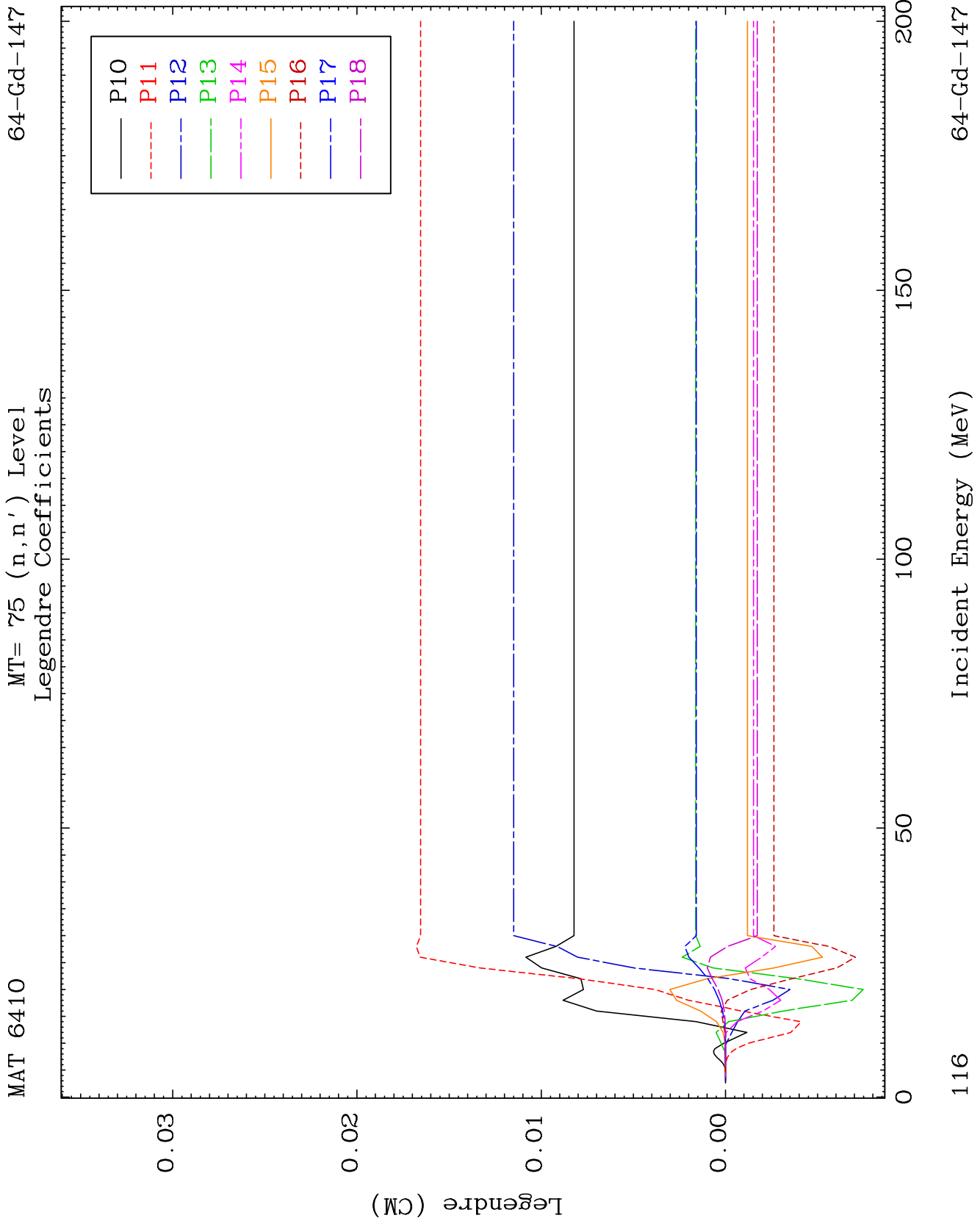
64-Gd-147



64-Gd-147

Incident Energy (MeV)

115



64-Gd-147

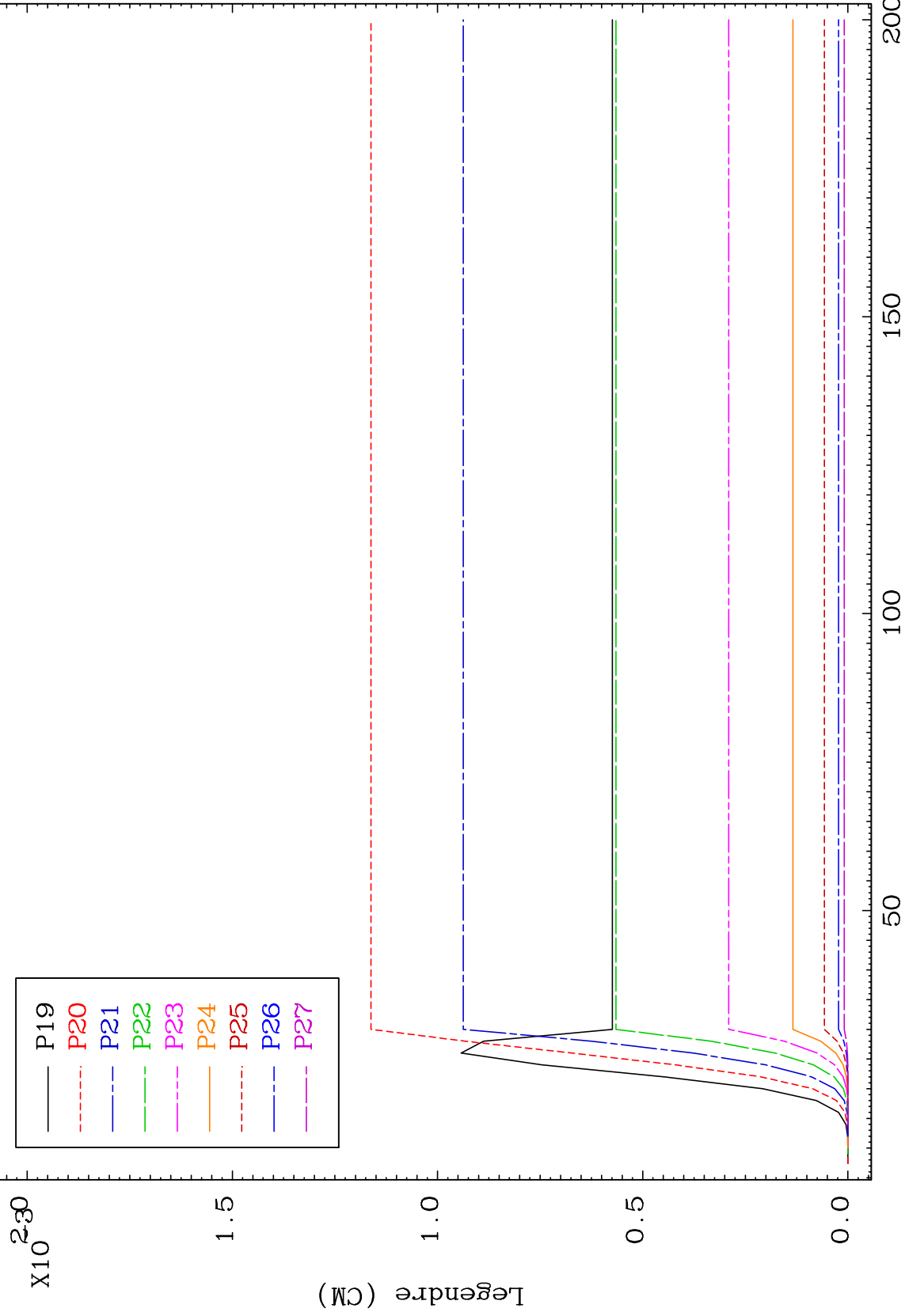
Incident Energy (MeV)

116

MAT 6410

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

64-Gd-147



117

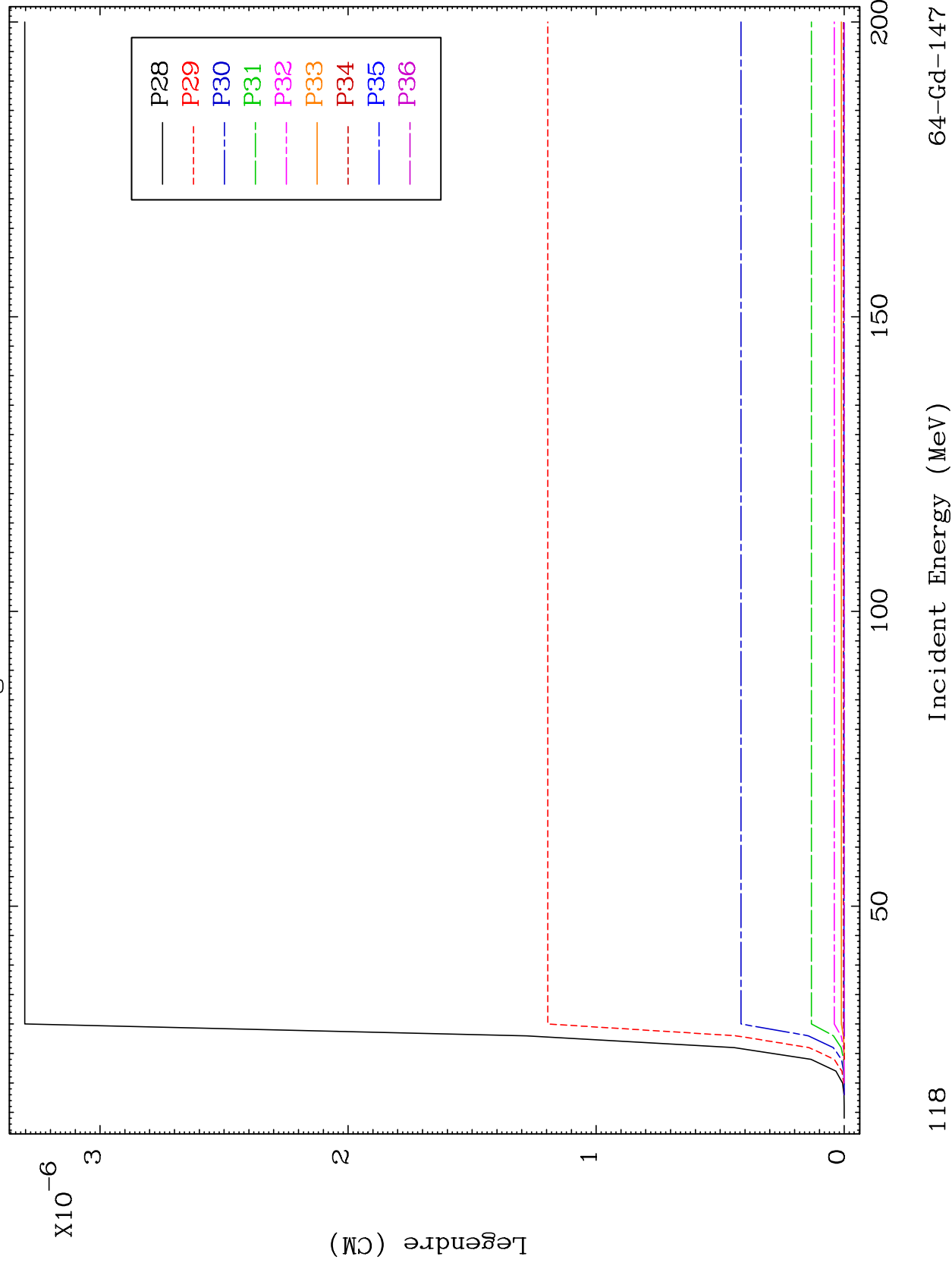
64-Gd-147

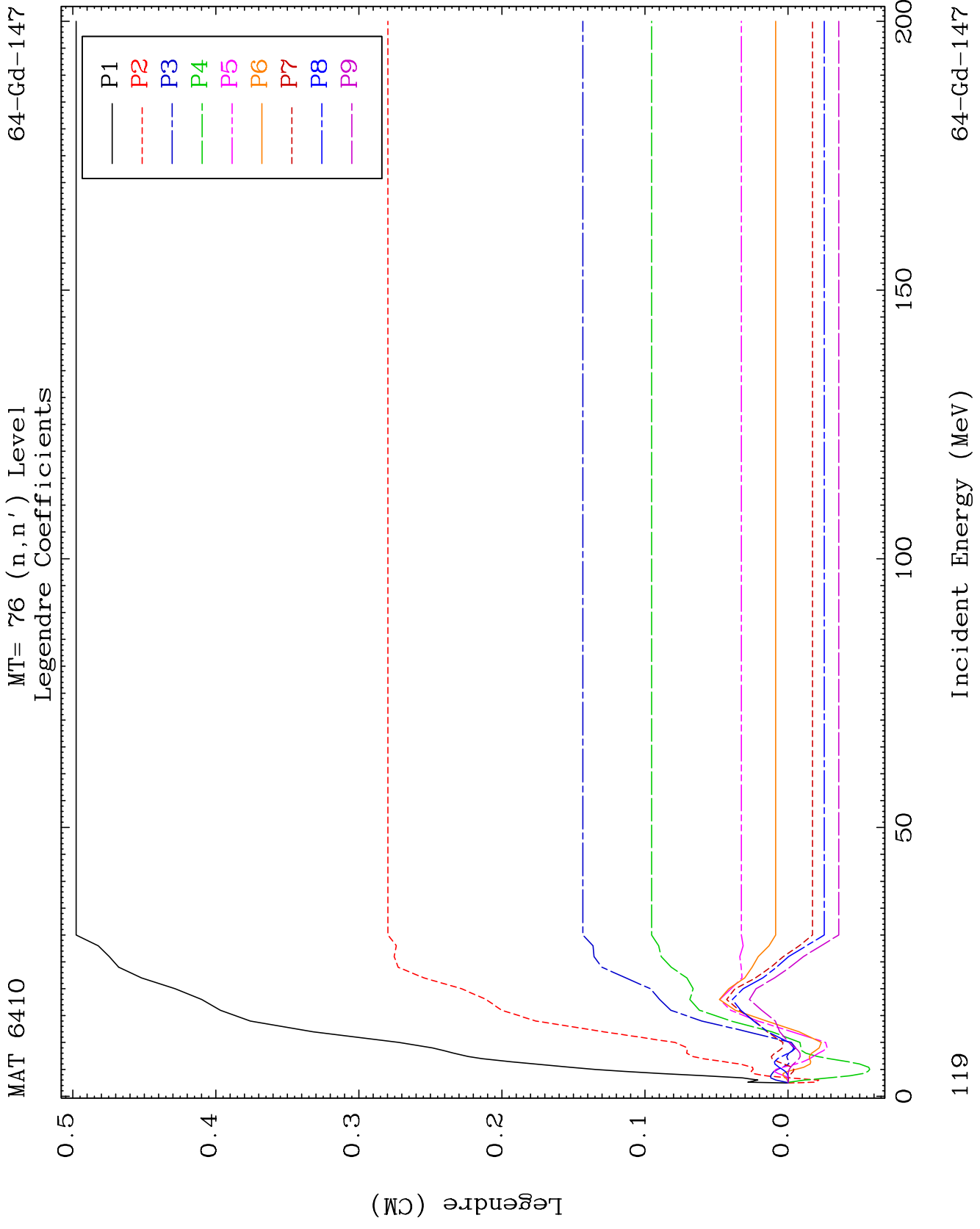
64-Gd-147

MAT 6410

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

64-Gd-147

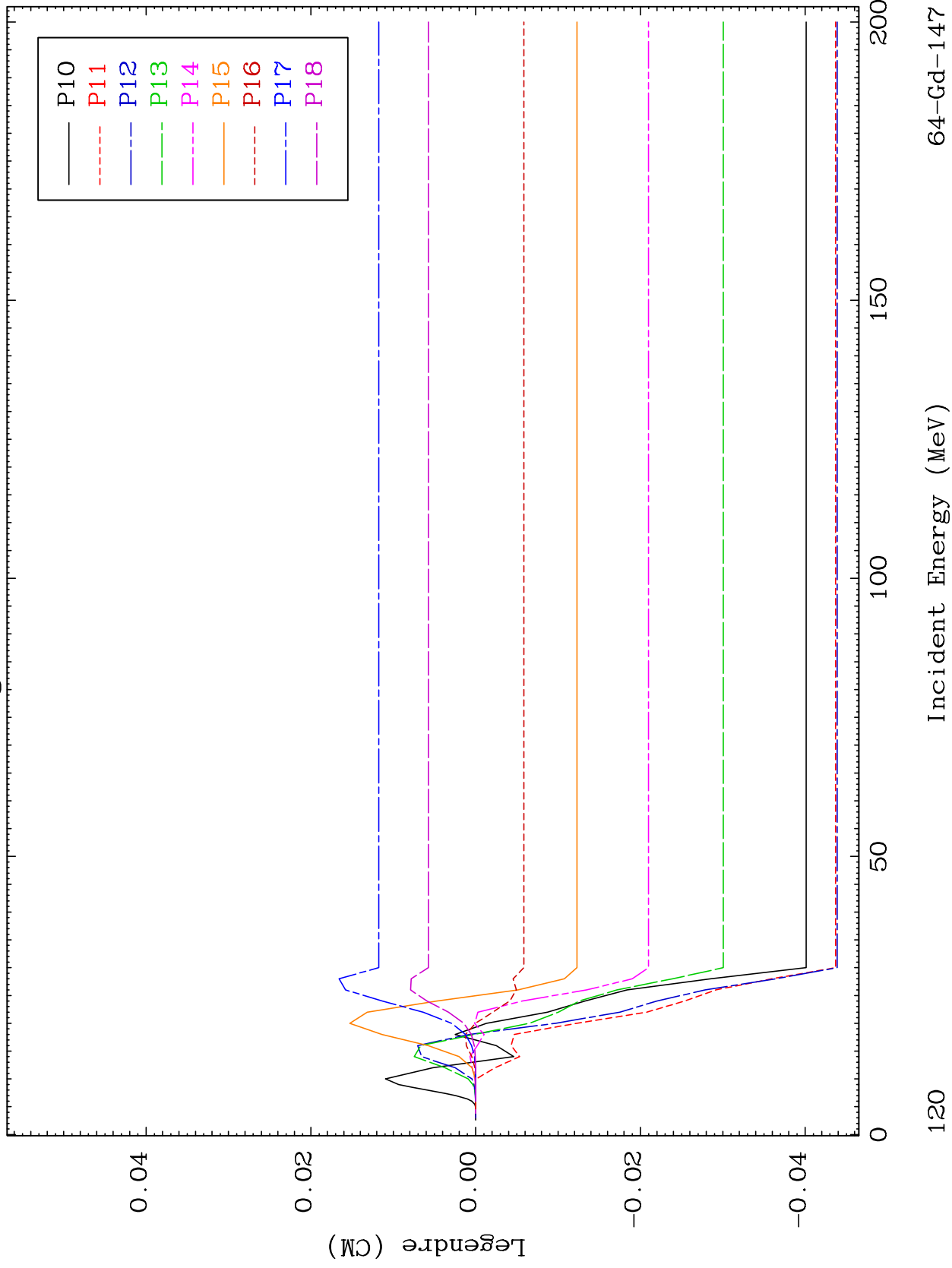




MAT 6410

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

64-Gd-147



64-Gd-147

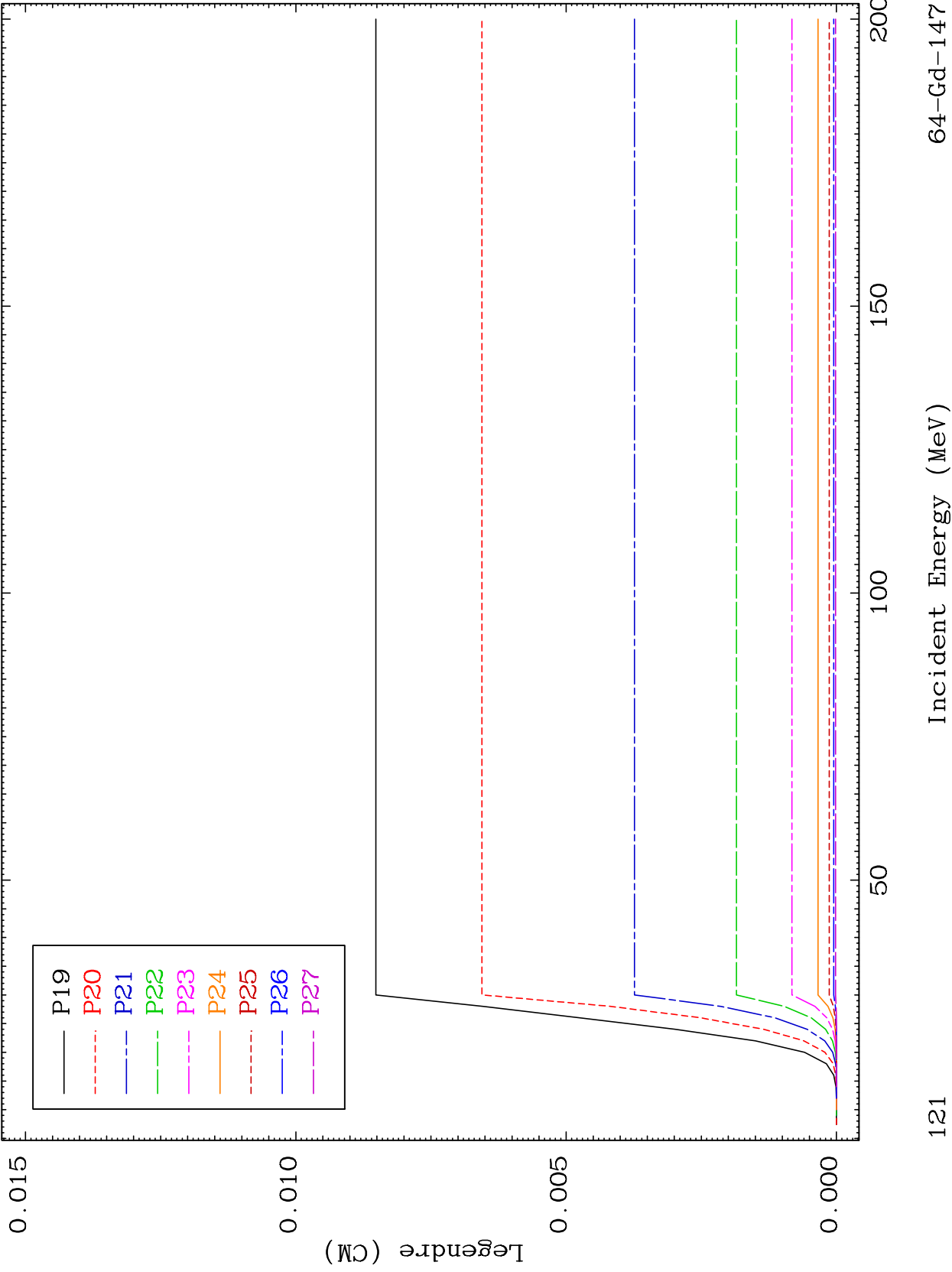
Incident Energy (MeV)

120

MAT 6410

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

64-Gd-147



121

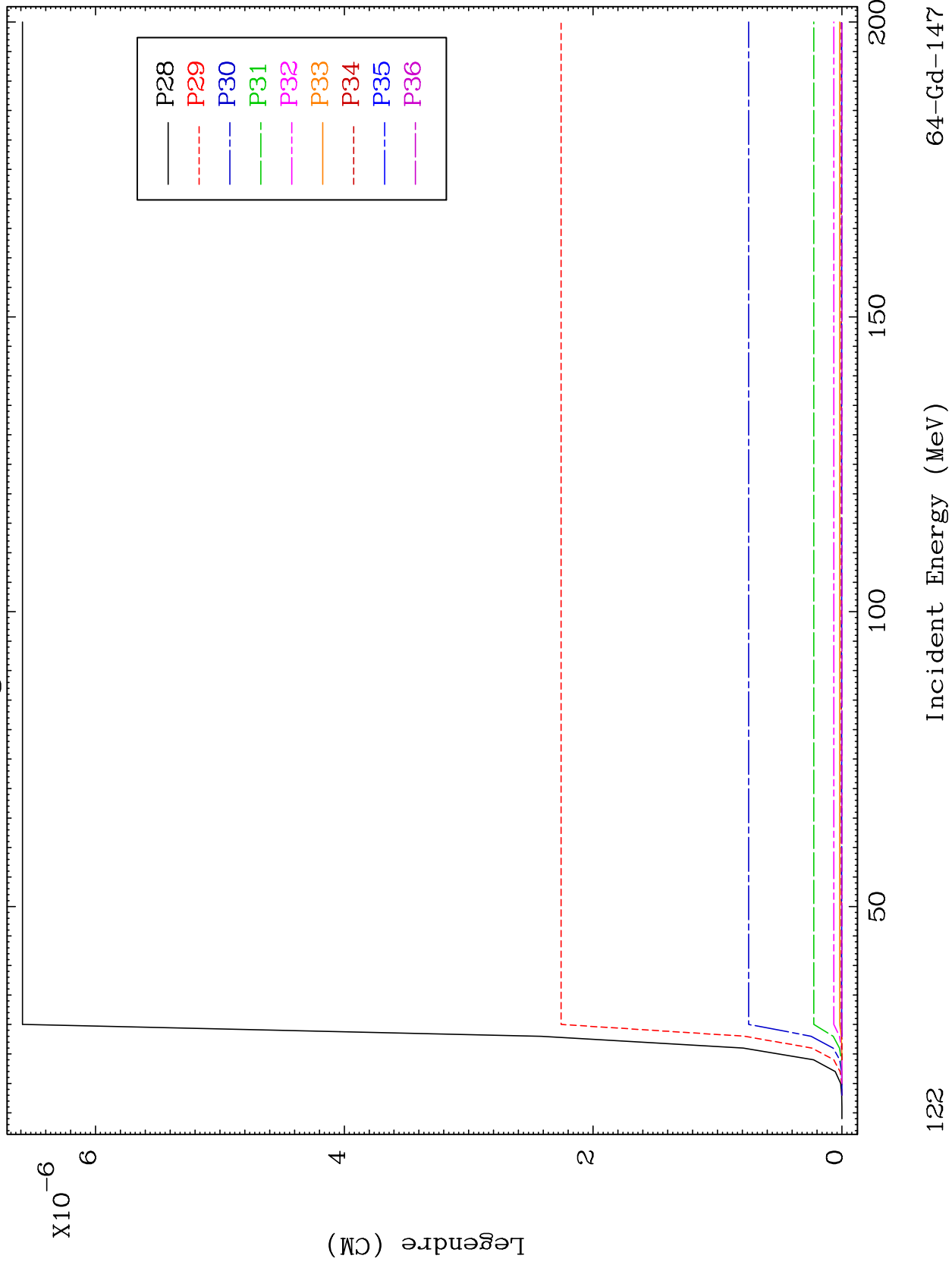
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



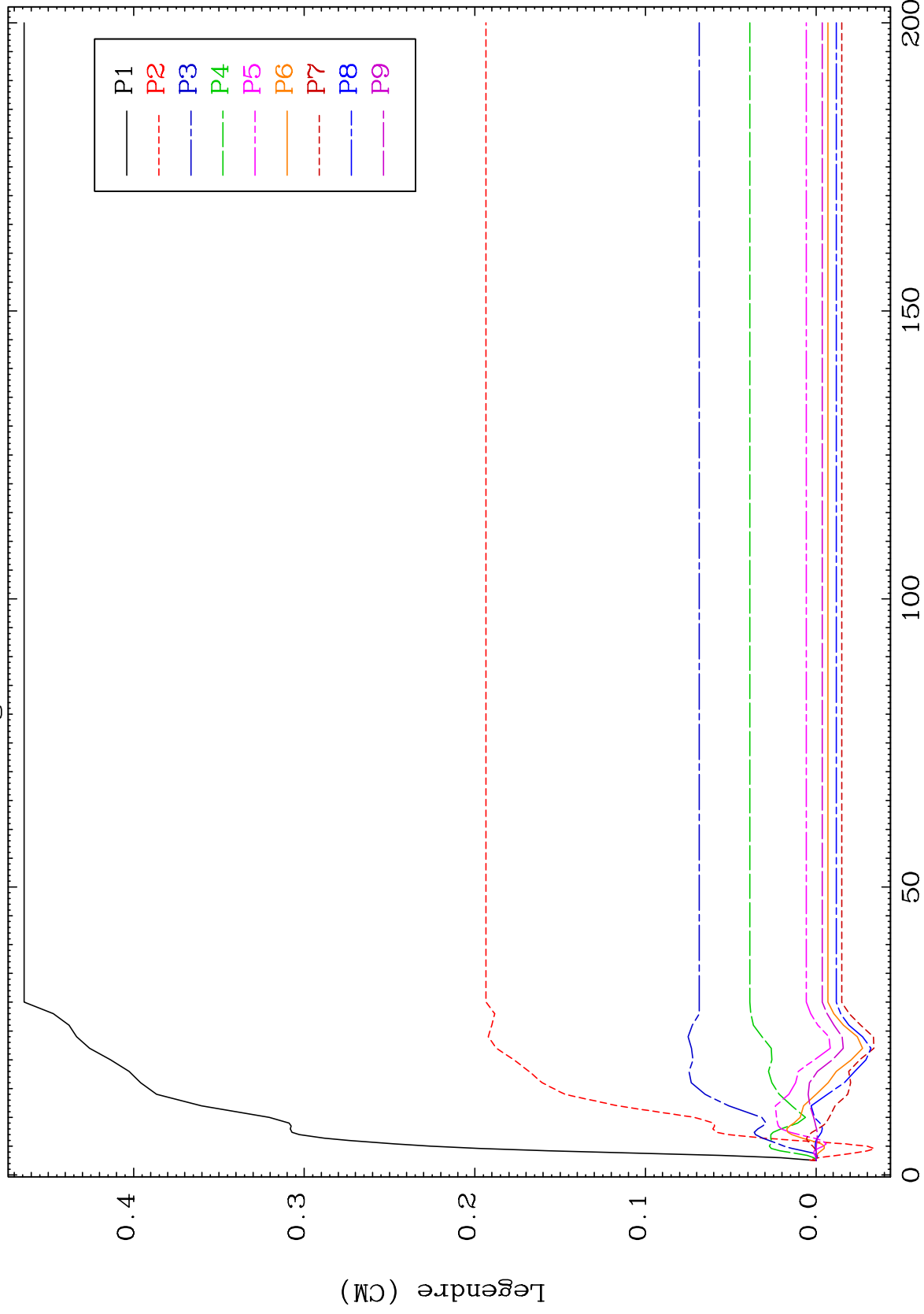
122

64-Gd-147

MAT 6410

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

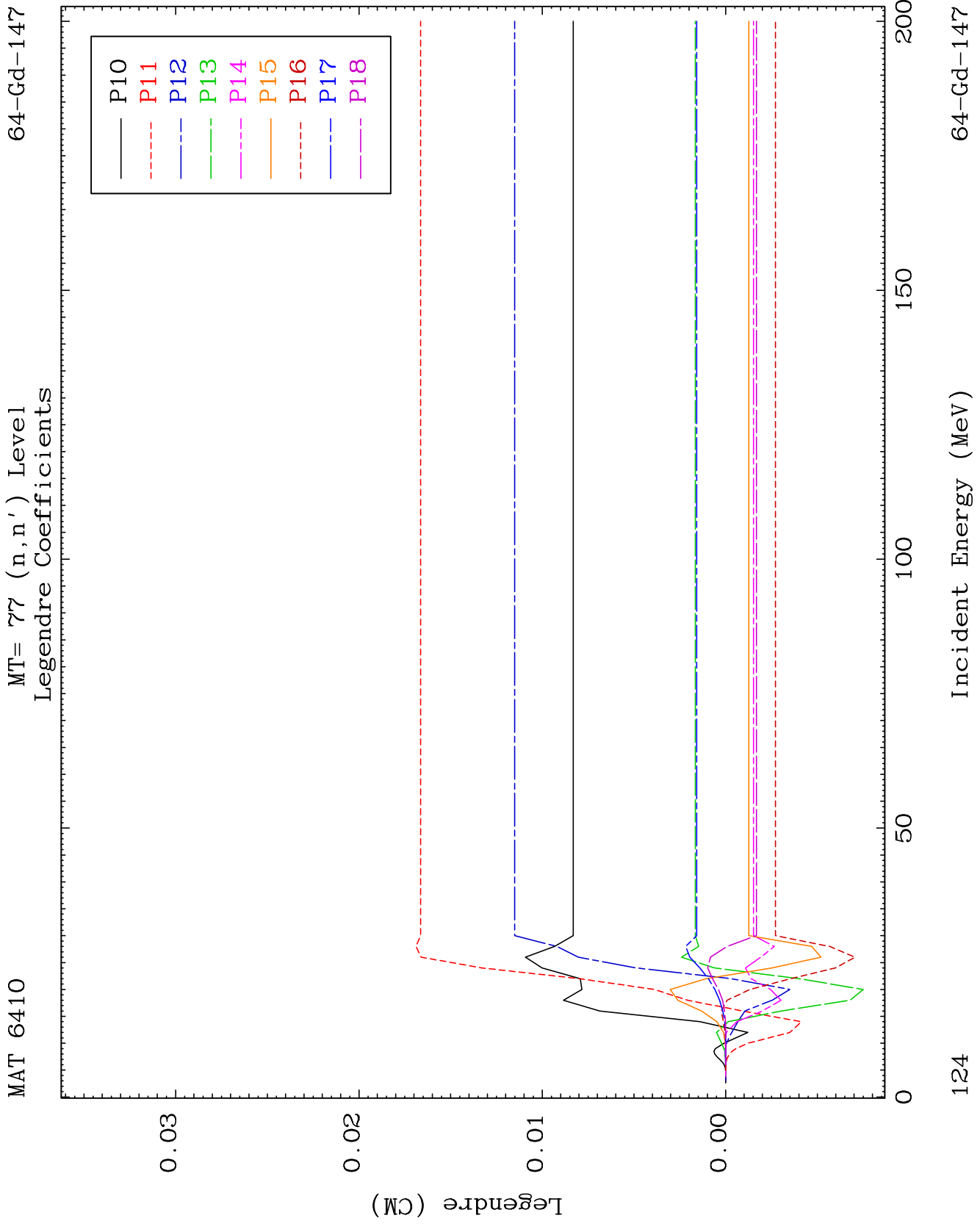
64-Gd-147



123

Incident Energy (MeV)

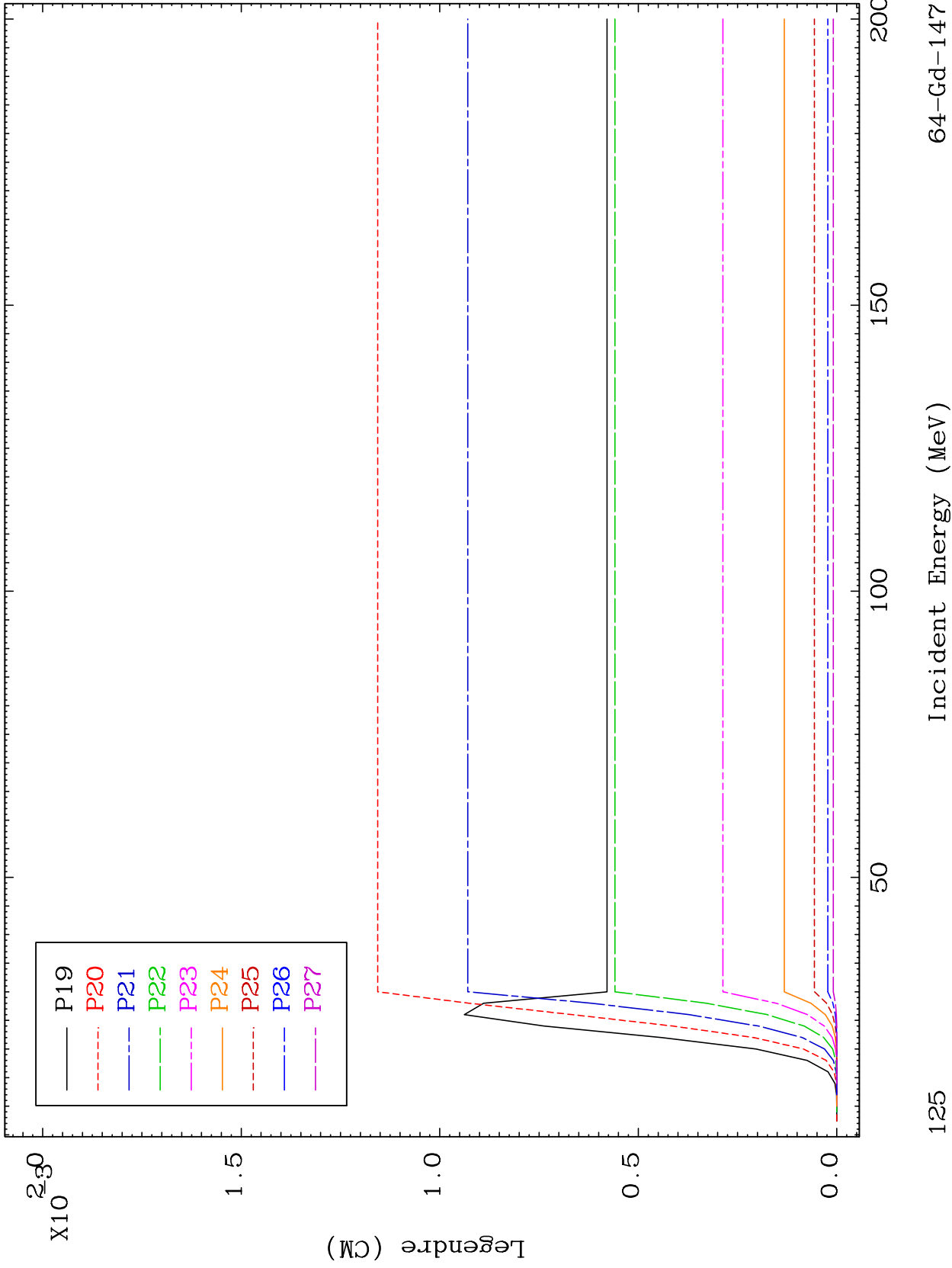
64-Gd-147



MAT 6410

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

64-Gd-147



125

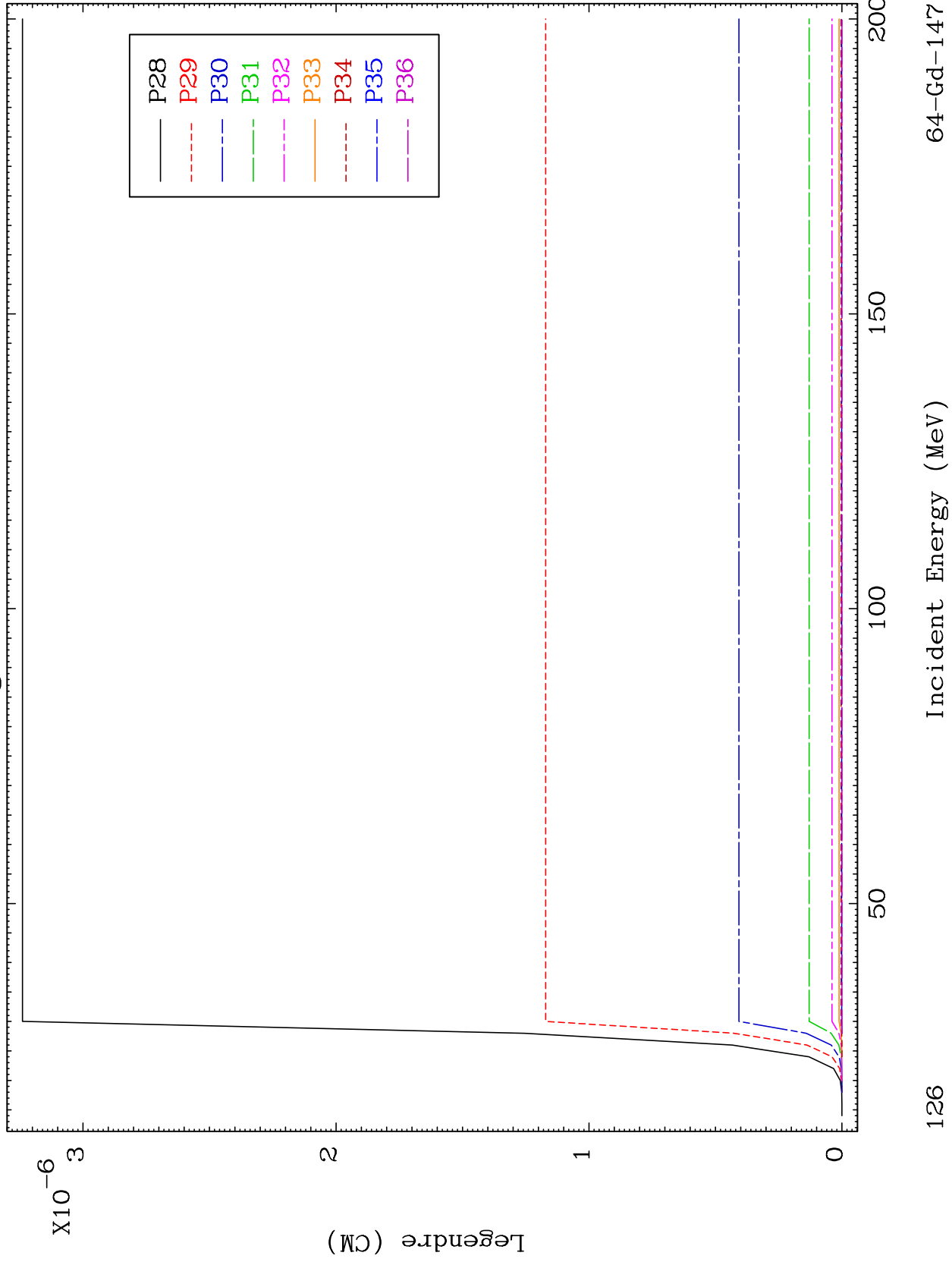
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



126

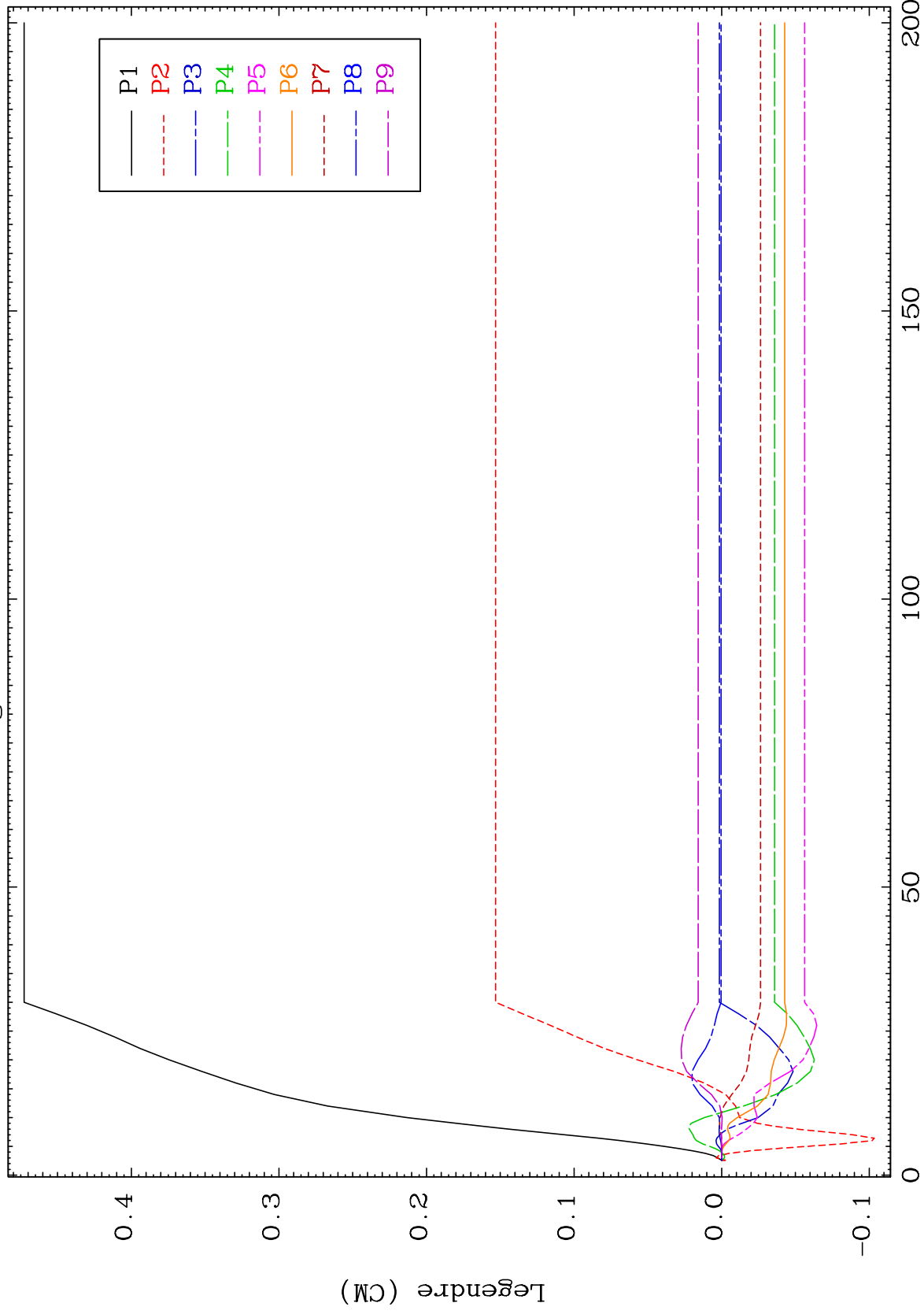
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



127

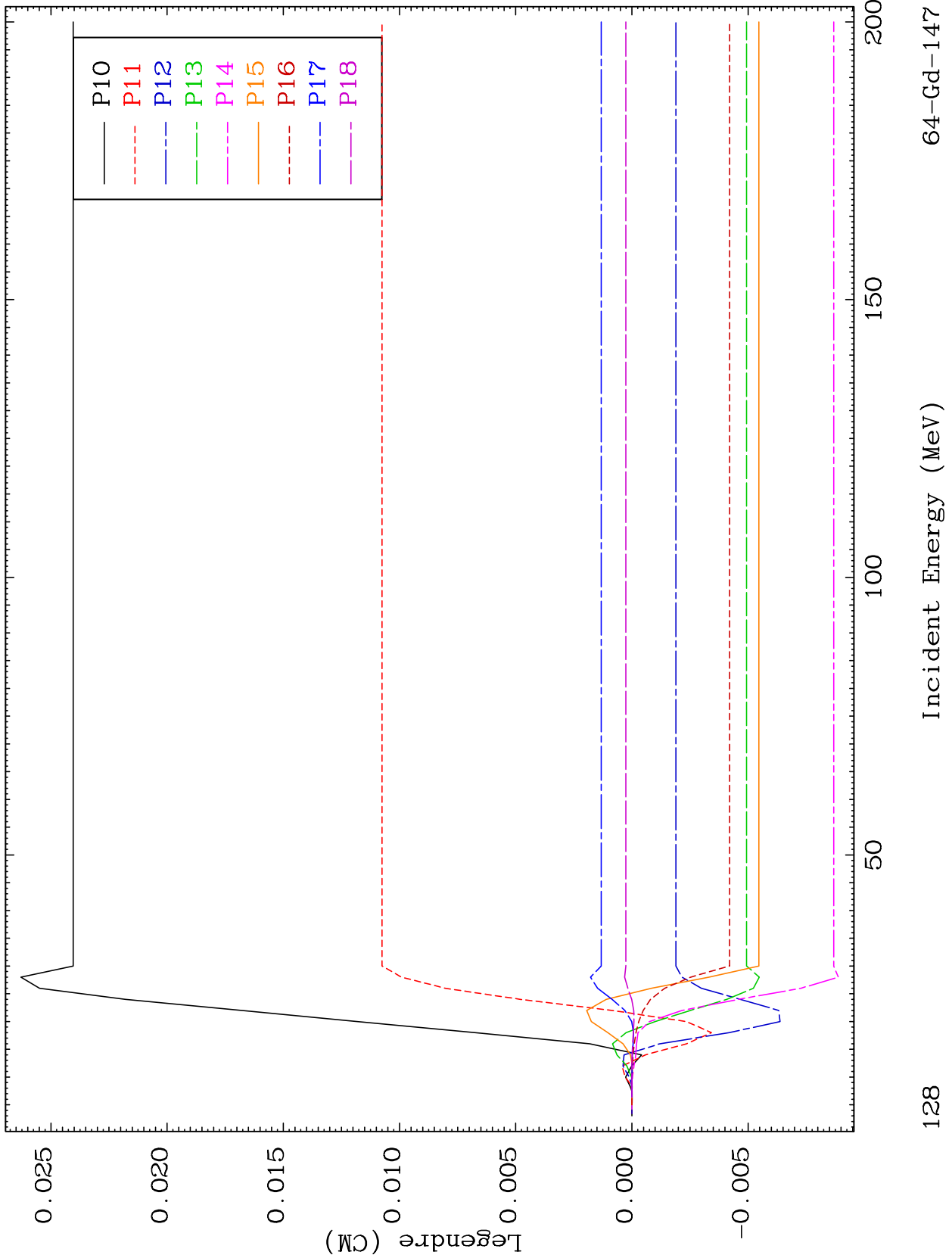
Incident Energy (MeV)

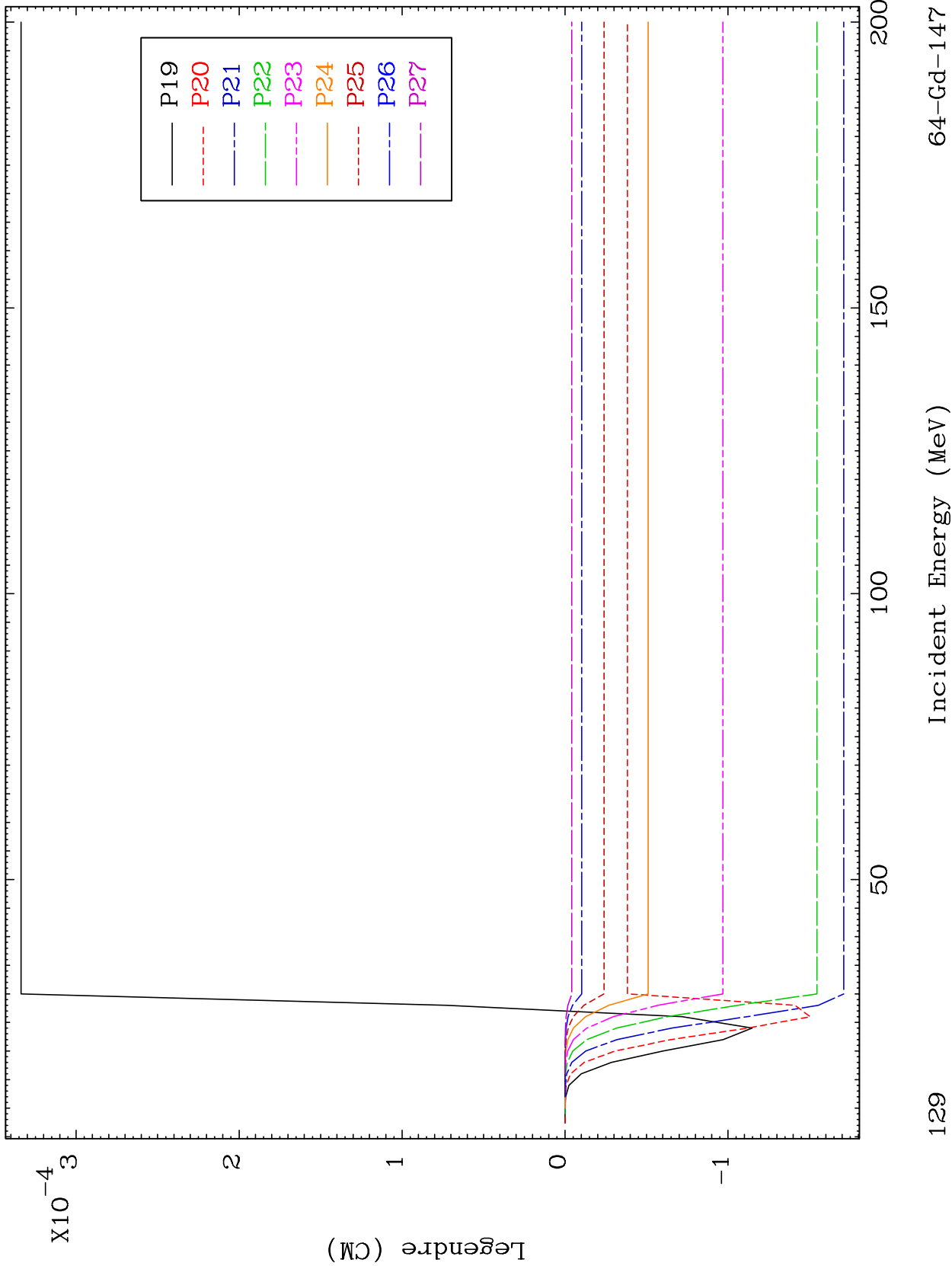
64-Gd-147

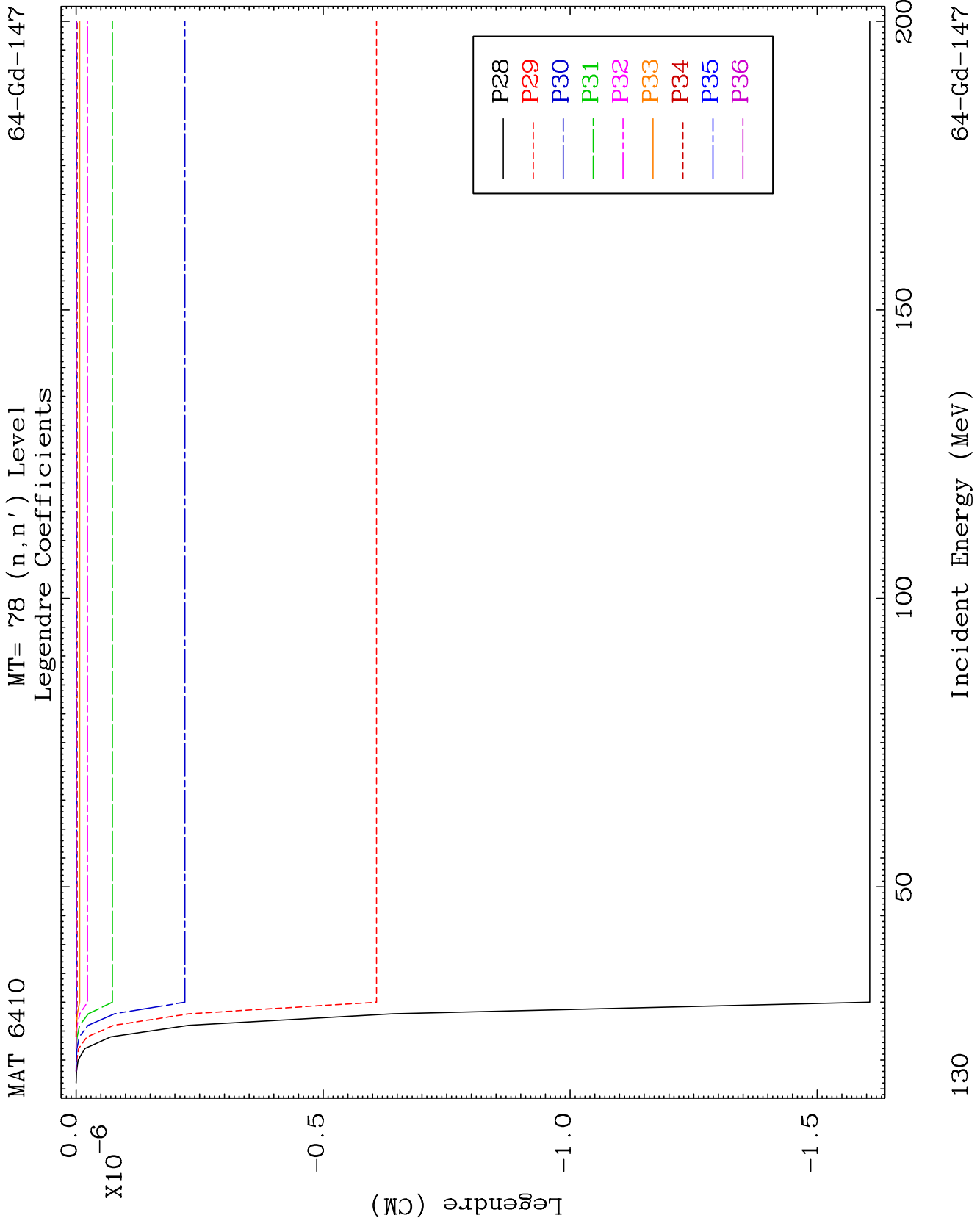
MAT 6410

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

64-Gd-147



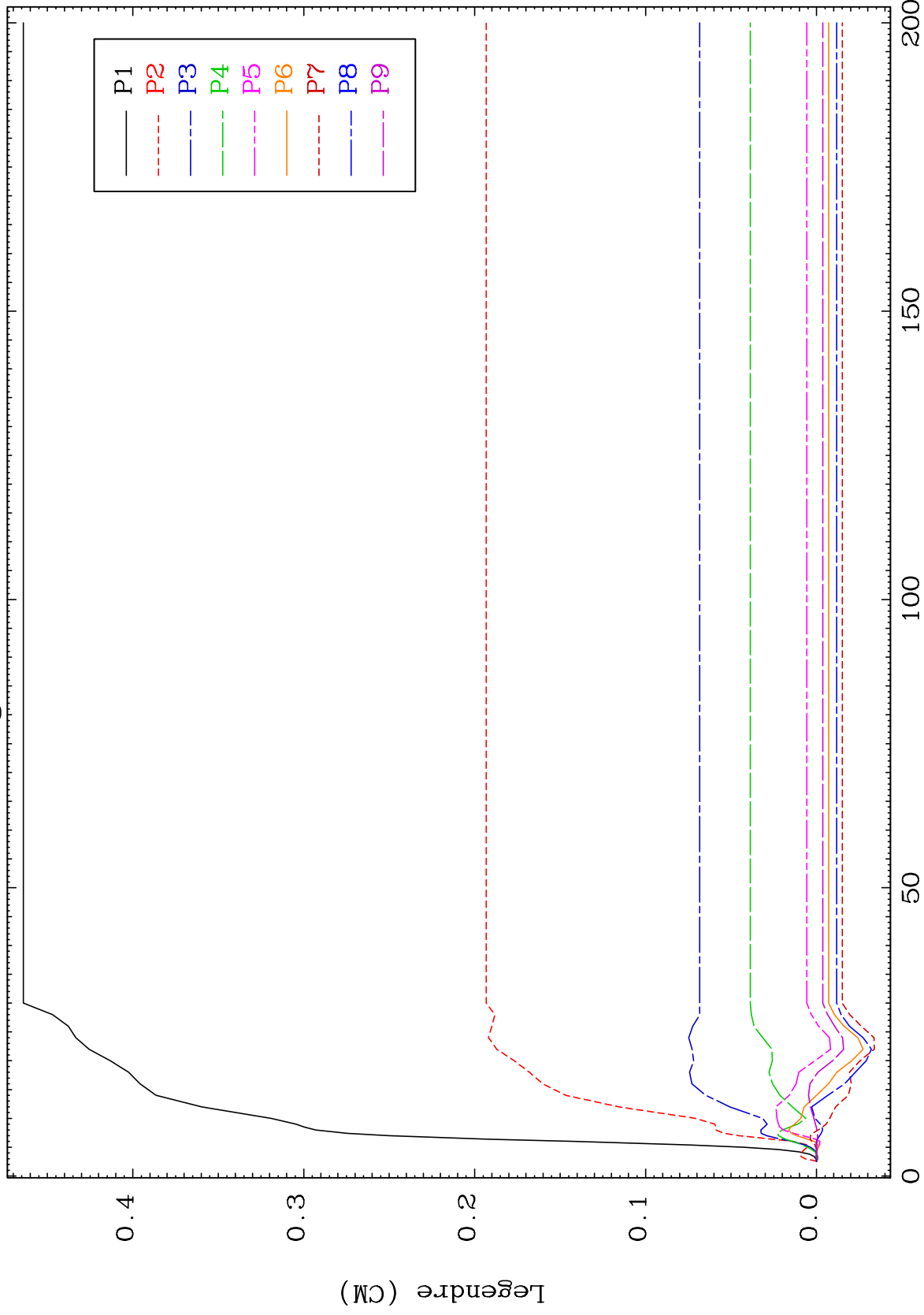




MAT 6410

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

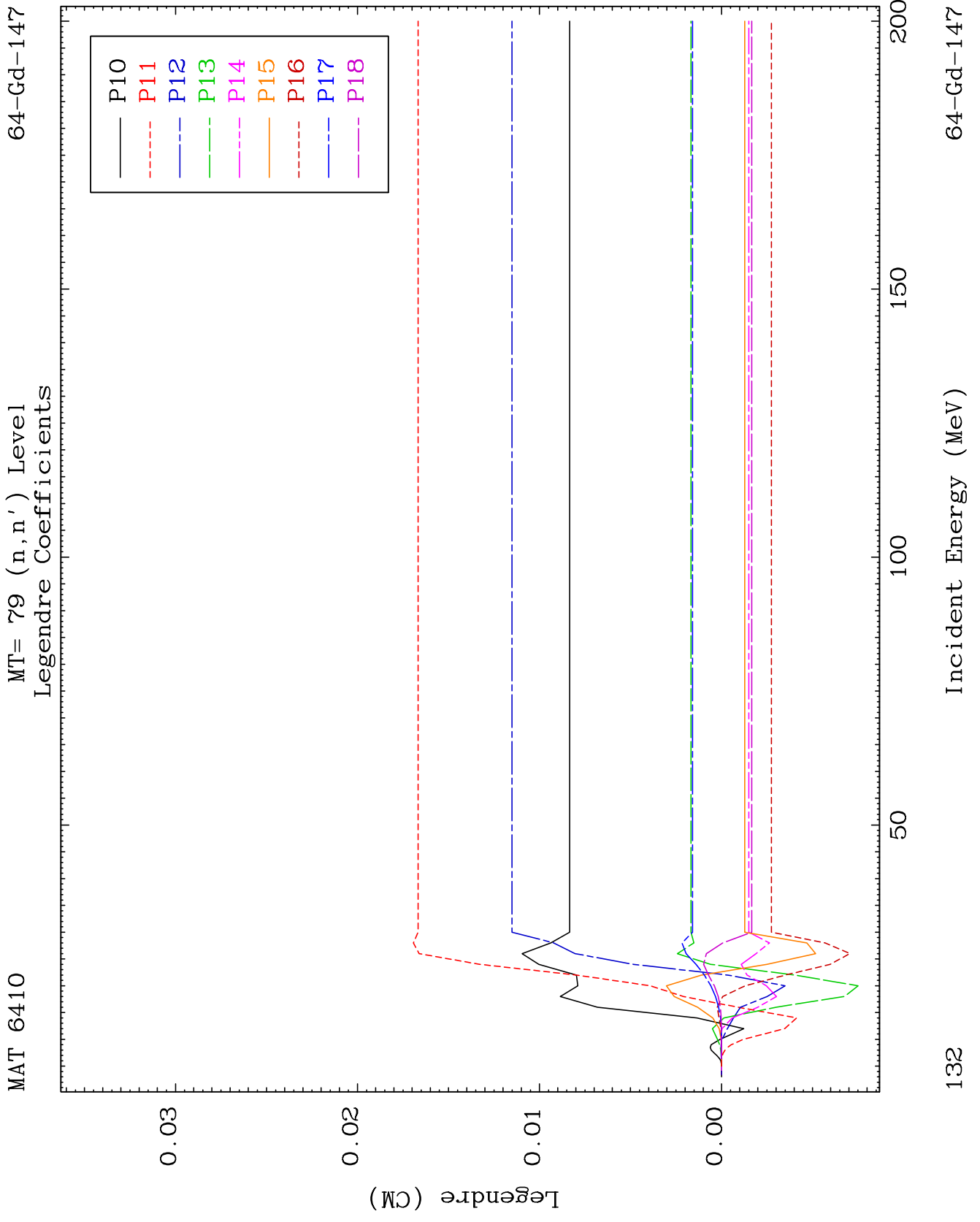
64-Gd-147

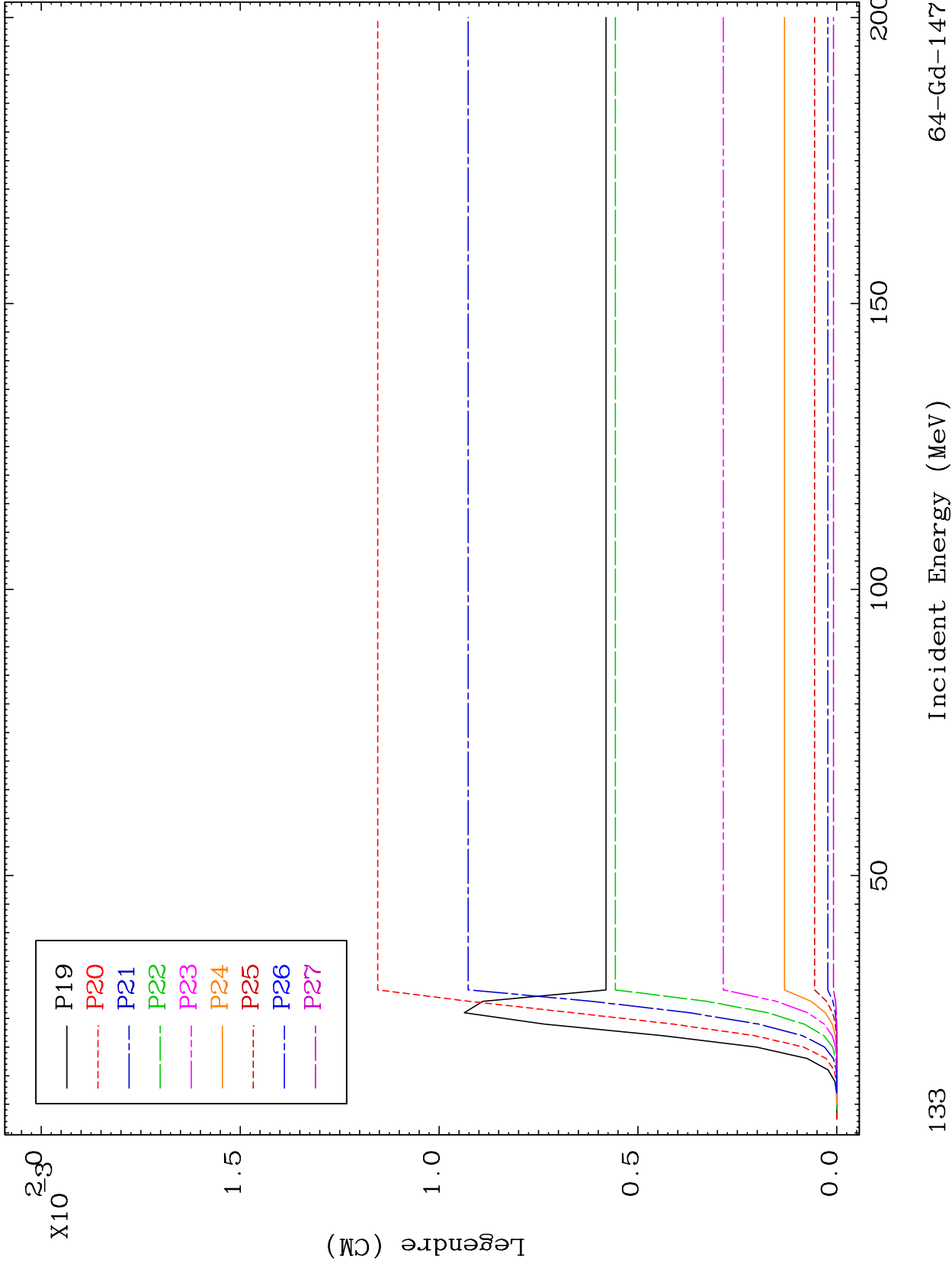


131

Incident Energy (MeV)

64-Gd-147

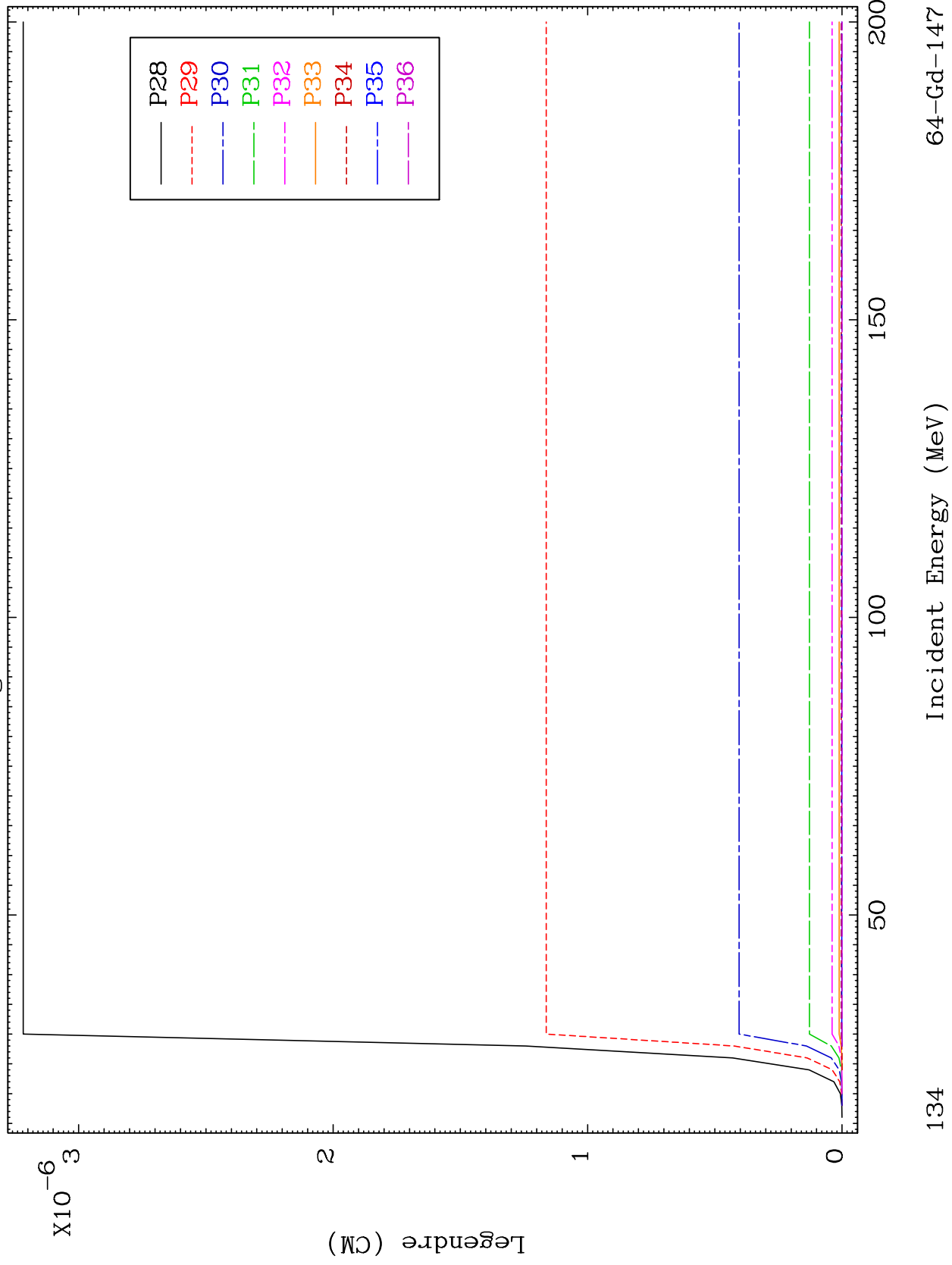




MAT 6410

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

64-Gd-147



134

Incident Energy (MeV)

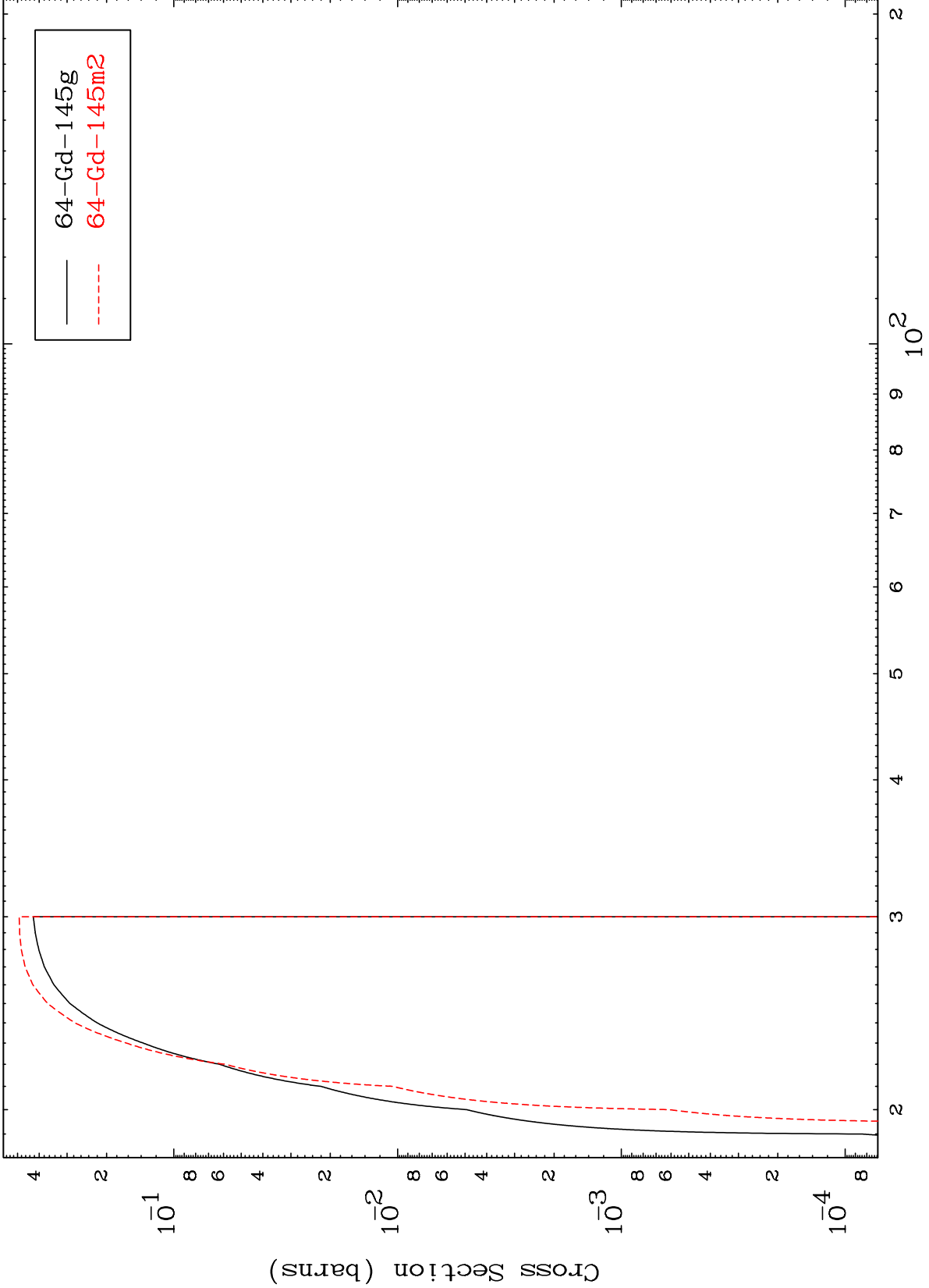
64-Gd-147

MAT 6410

(n,3n)

64-Gd-147

Radionuclide Production Cross Section



135

Incident Energy (MeV)

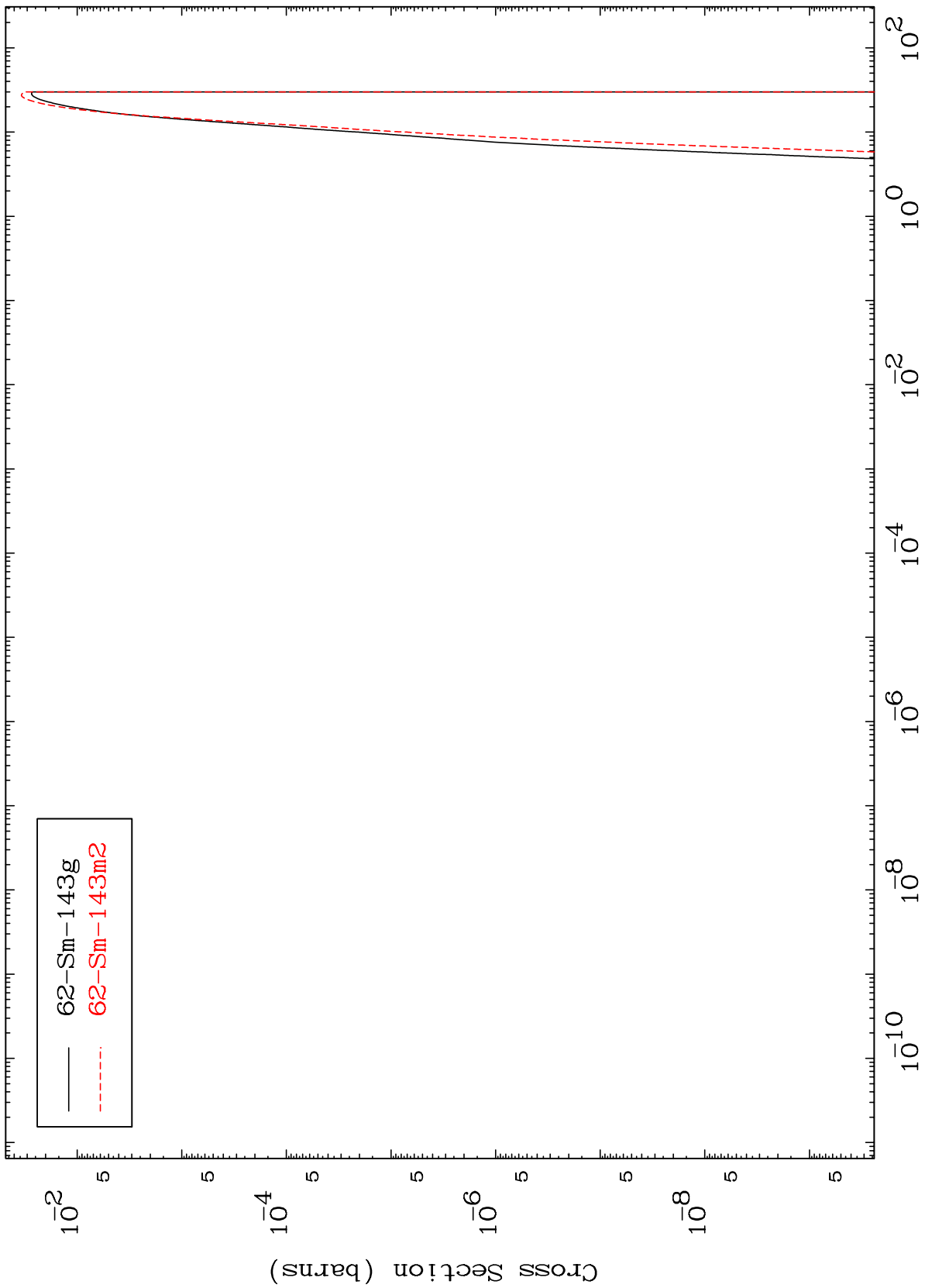
64-Gd-147

MAT 6410

$(n, n') \alpha$

64-Gd-147

Radionuclide Production Cross Section



136

Incident Energy (MeV)

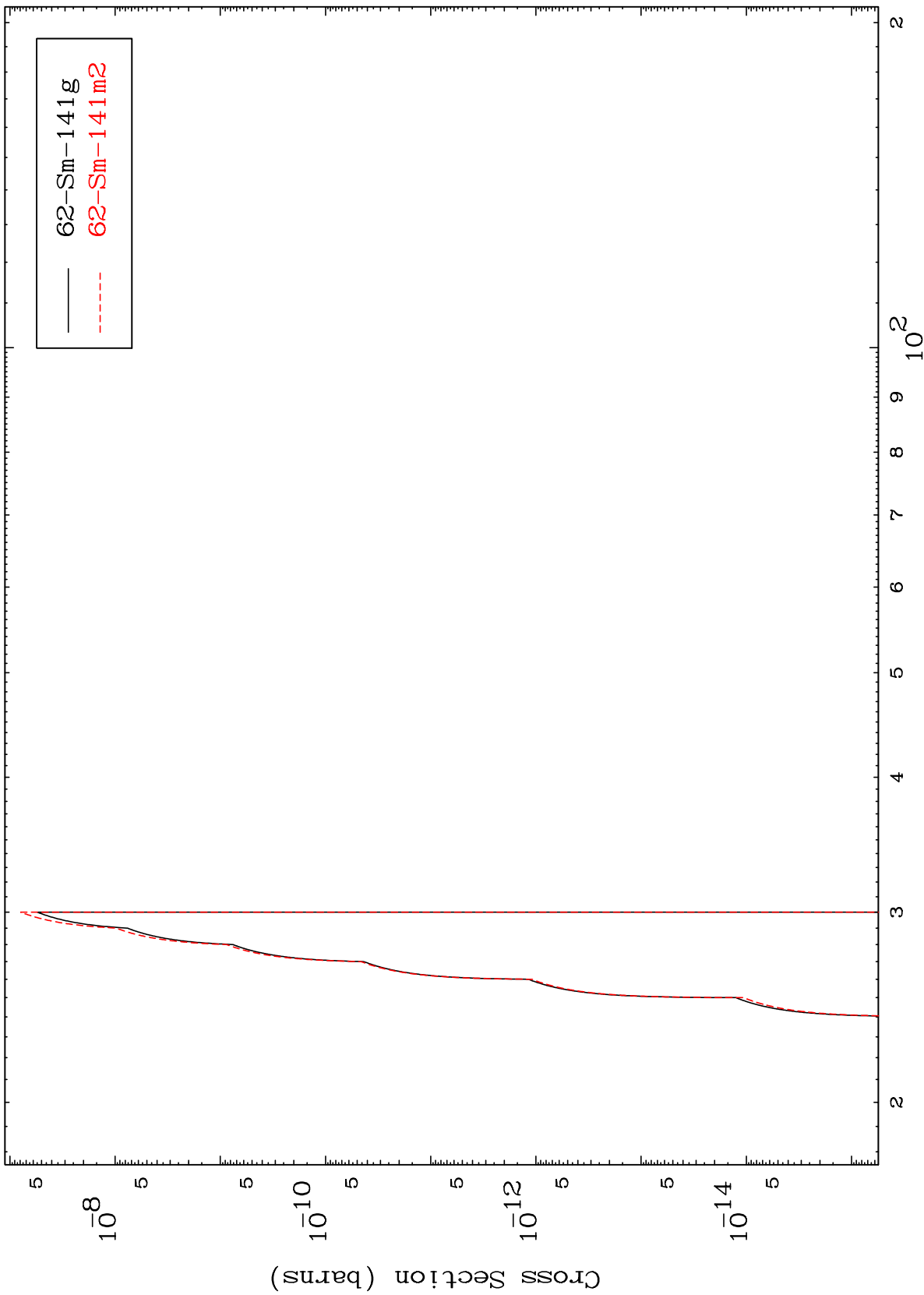
64-Gd-147

MAT 6410

(n,3n) α

64-Gd-147

Radionuclide Production Cross Section



137

Incident Energy (MeV)

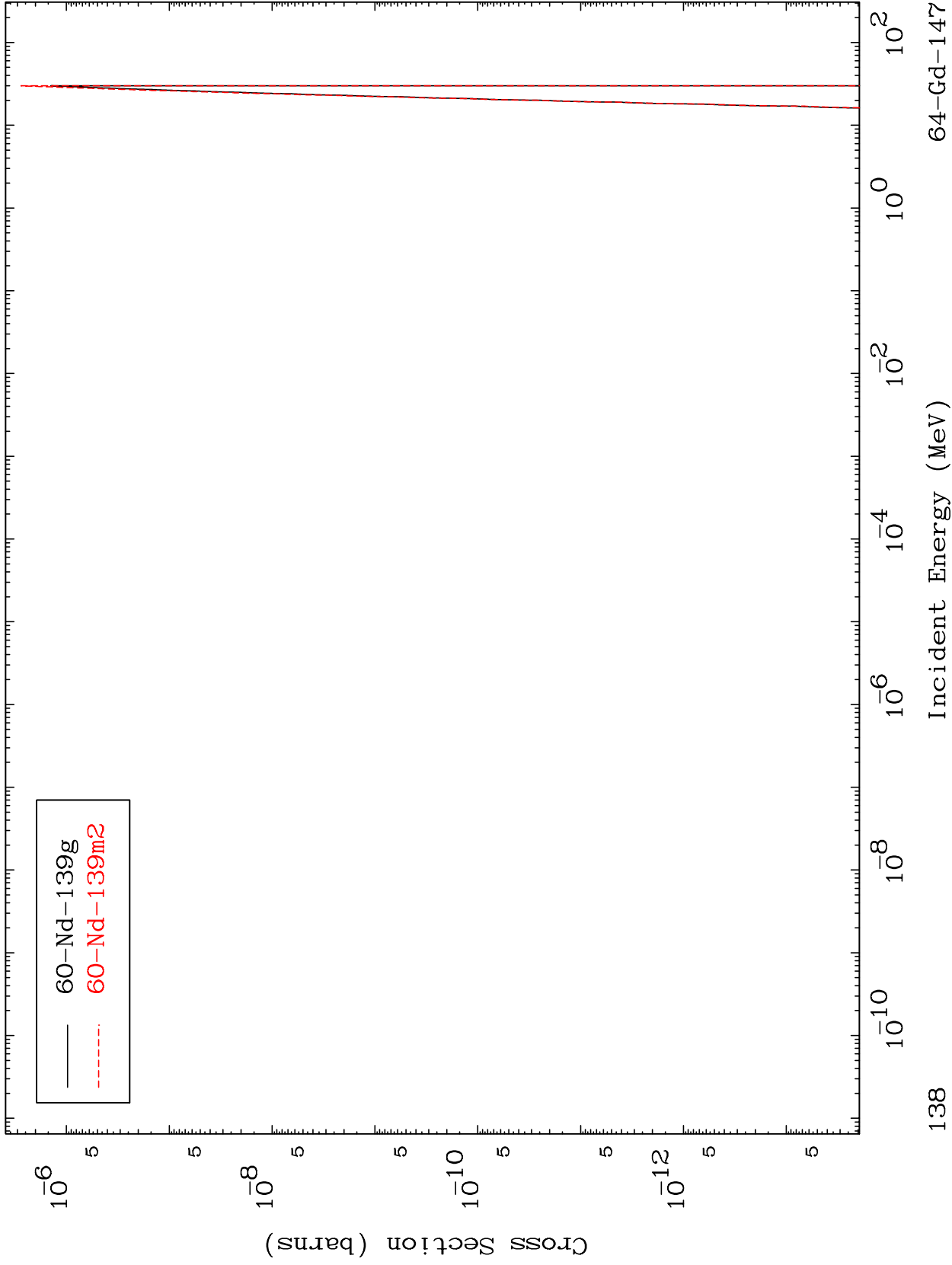
64-Gd-147

MAT 6410

(n,n') 2α

64-Gd-147

Radionuclide Production Cross Section



138

Incident Energy (MeV)

64-Gd-147