

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

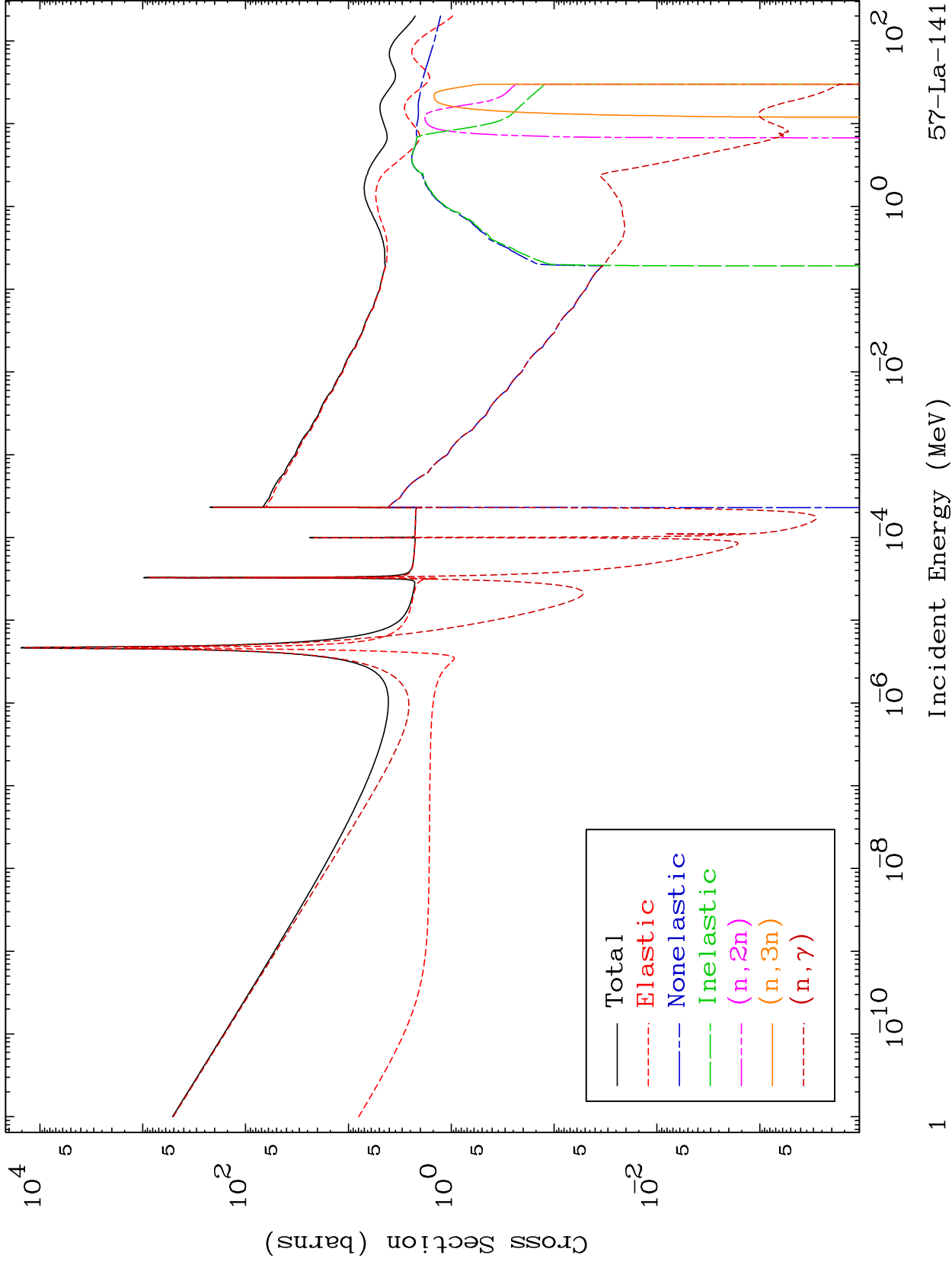
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5734

Neutron Major
293 Kelvin Cross Sections

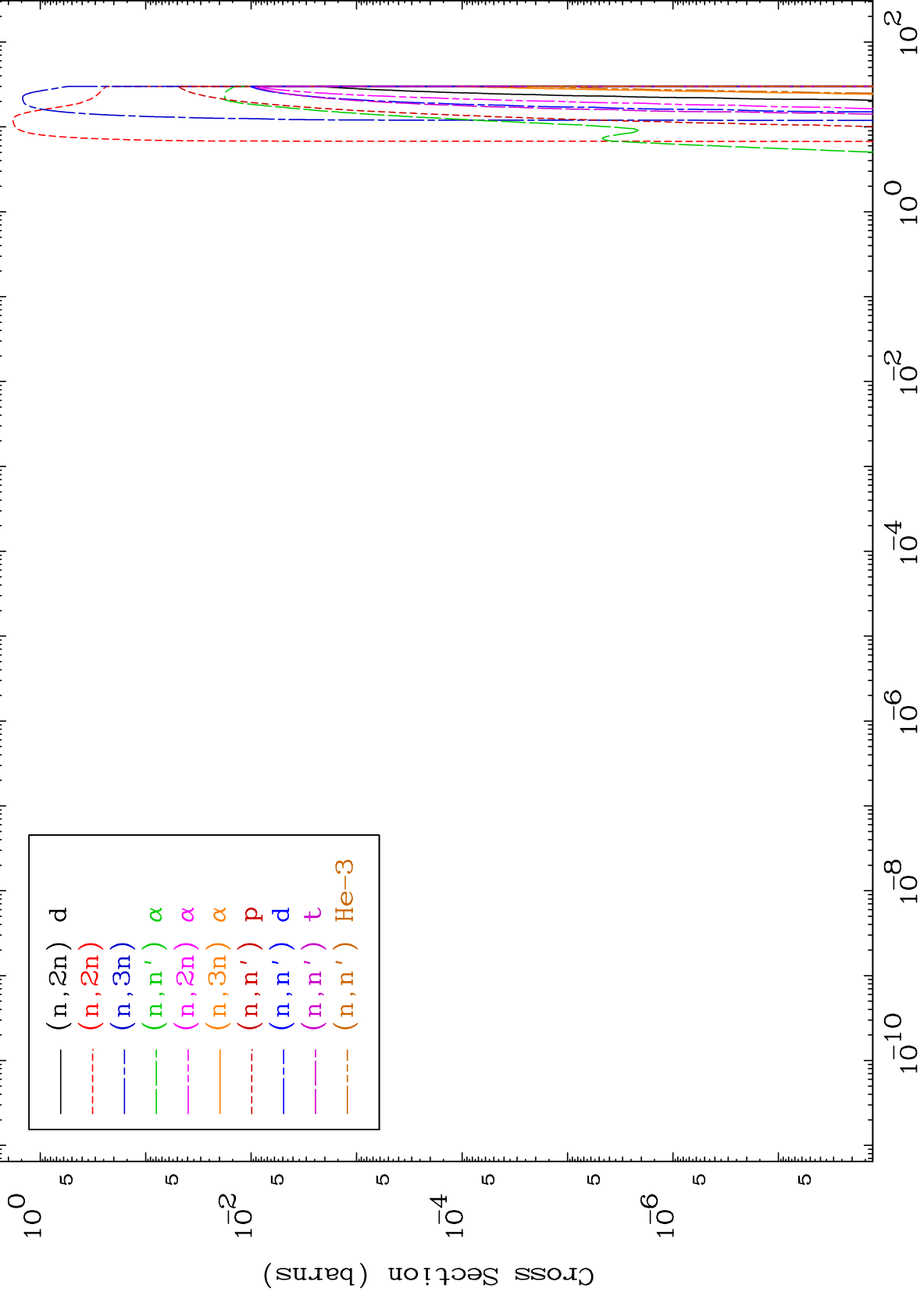
57-La-141



MAT 5734

Neutron Absorption
293 Kelvin Cross Sections

57-La-141



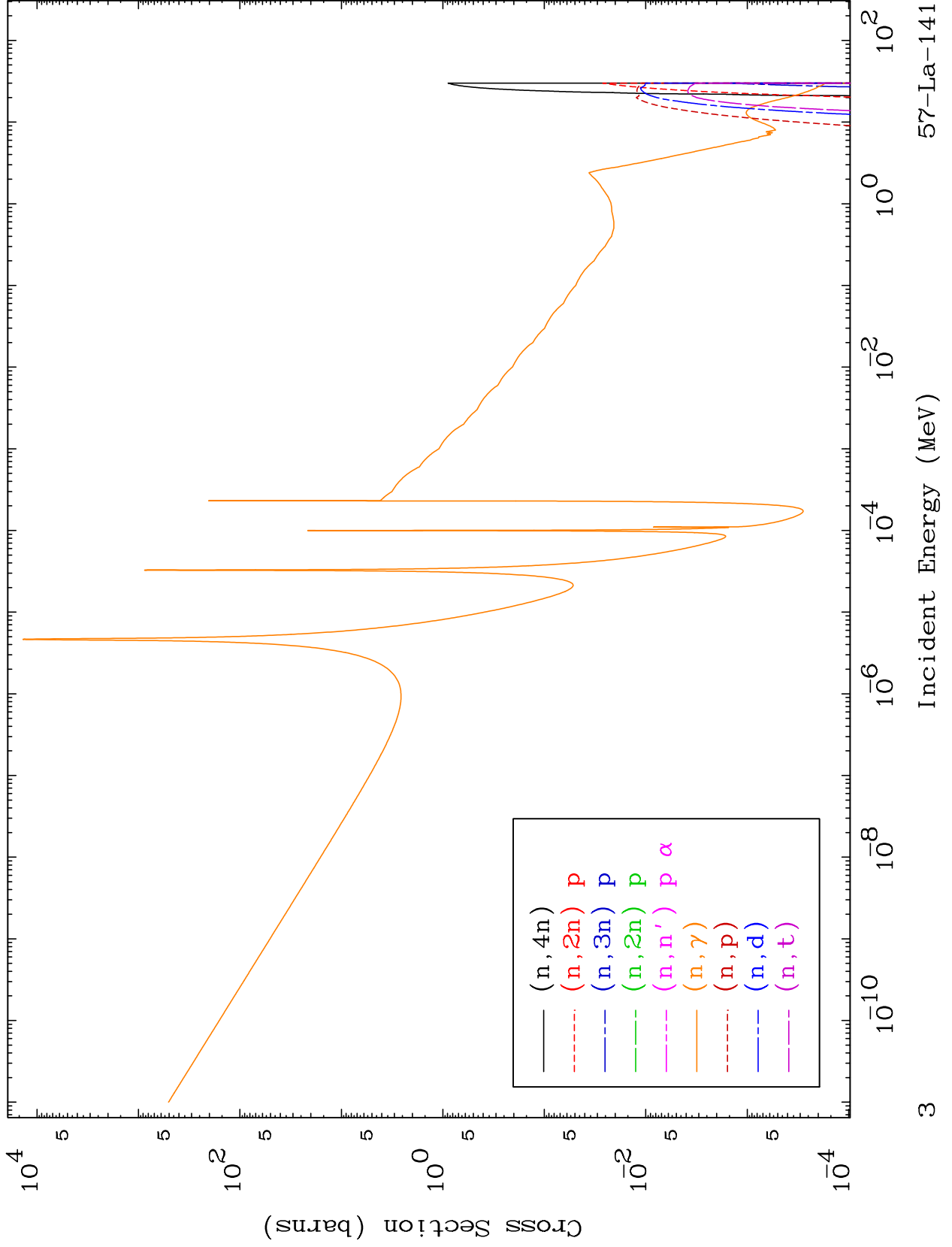
57-La-141

Incident Energy (MeV)

MAT 5734

Neutron Absorption
293 Kelvin Cross Sections

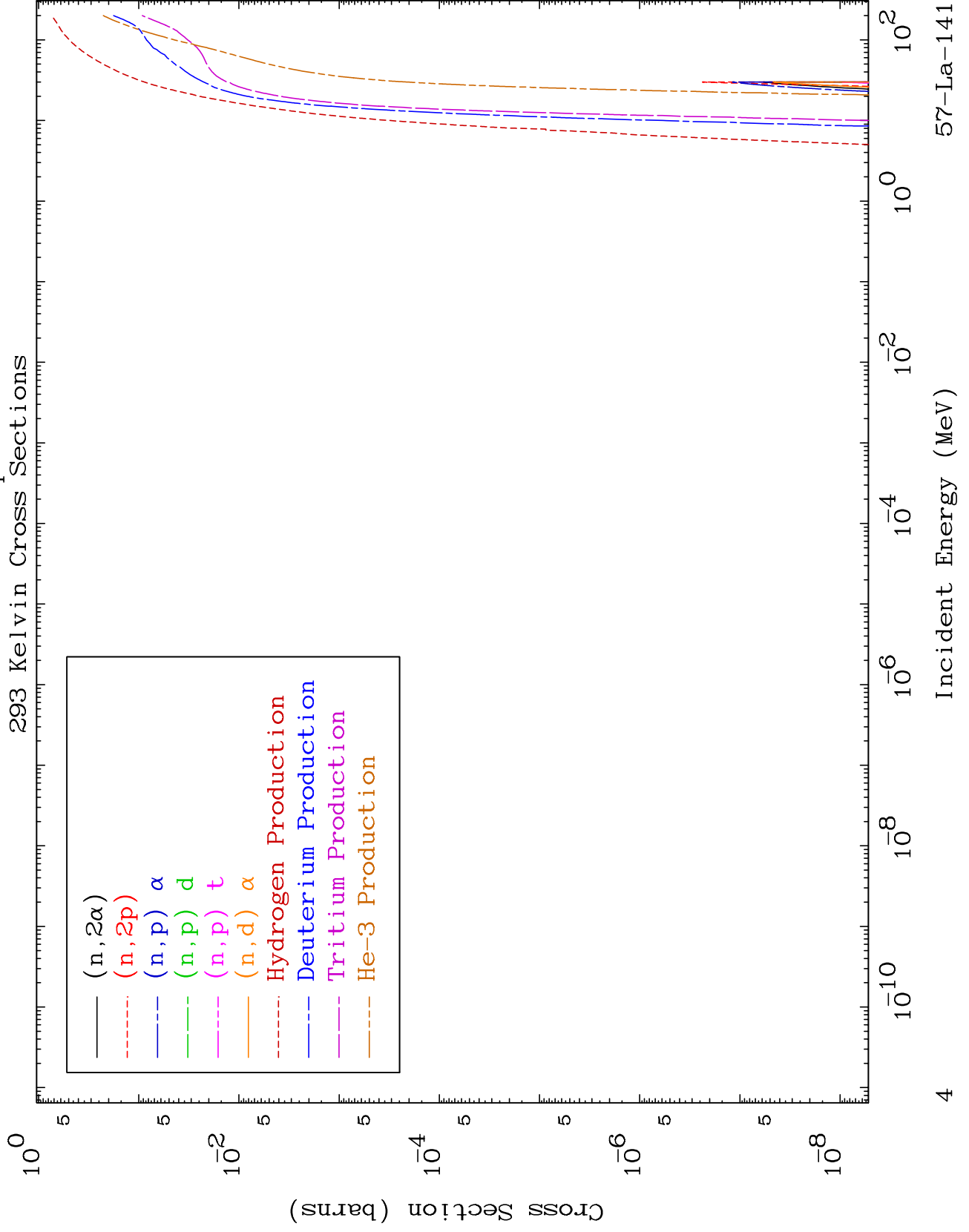
57-La-141



MAT 5734

Neutron Absorption
293 Kelvin Cross Sections

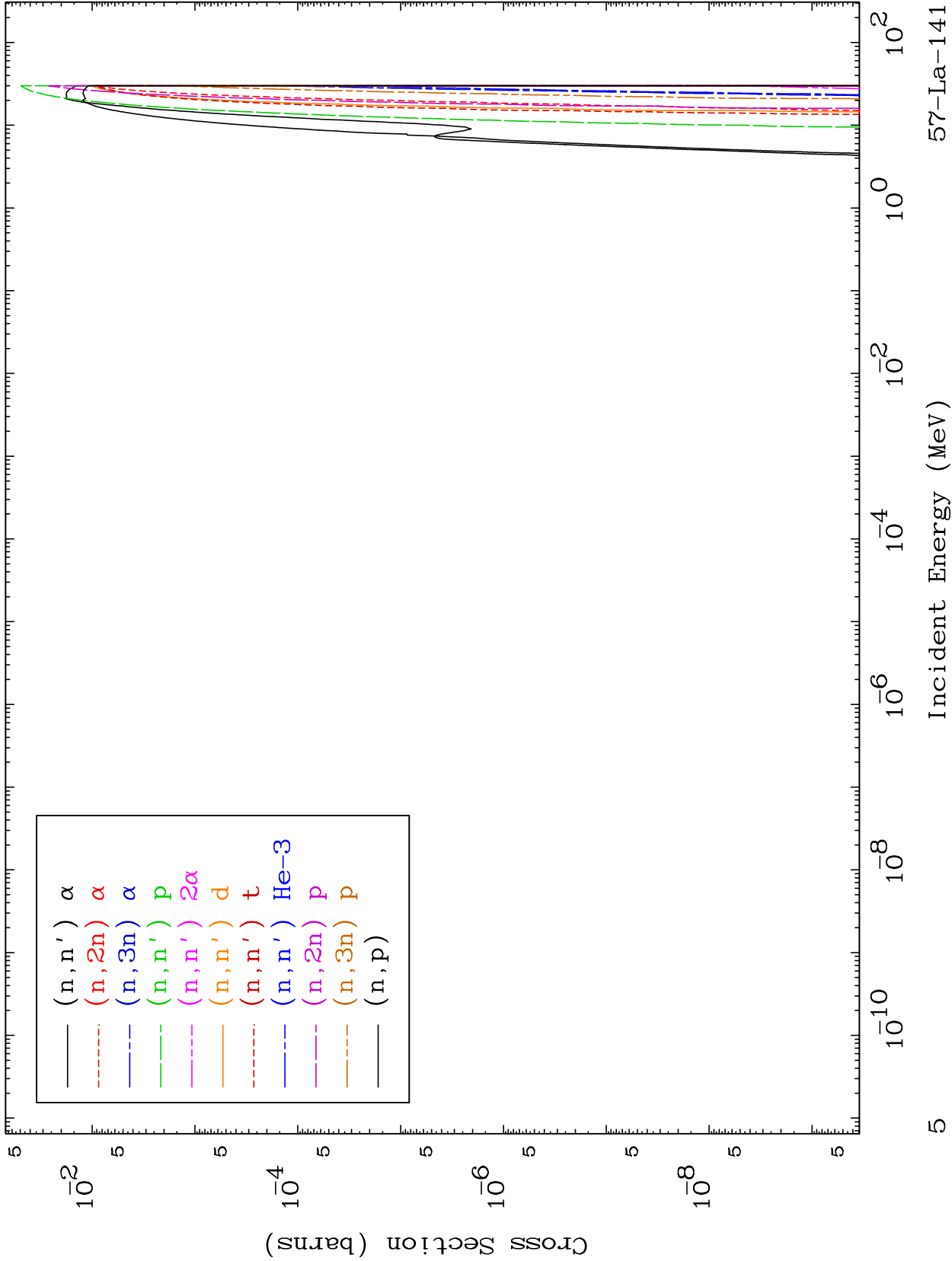
57-La-141



MAT 5734

Charged Particle
293 Kelvin Cross Sections

57-La-141



57-La-141

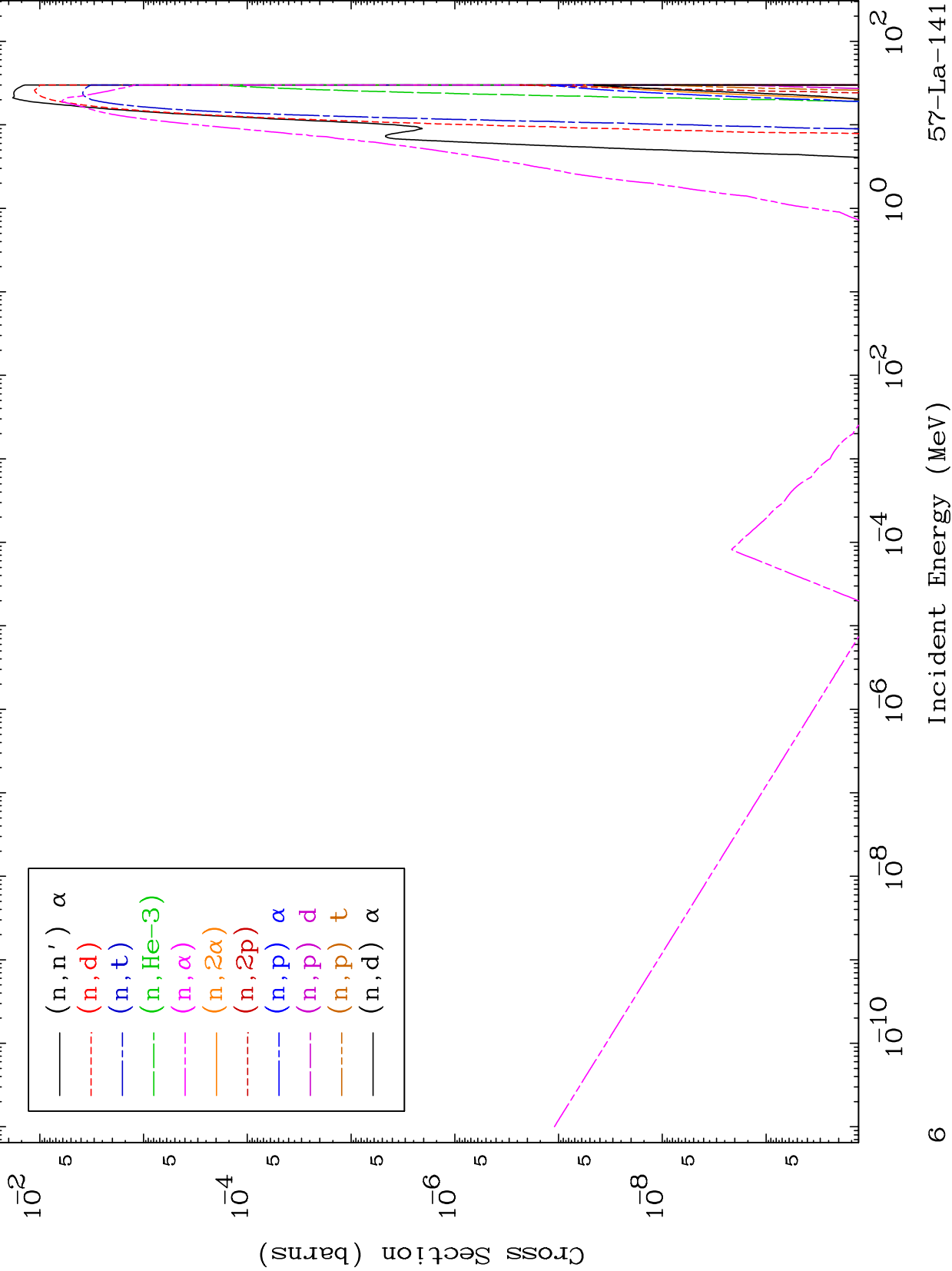
Incident Energy (MeV)

5

MAT 5734

Charged Particle
293 Kelvin Cross Sections

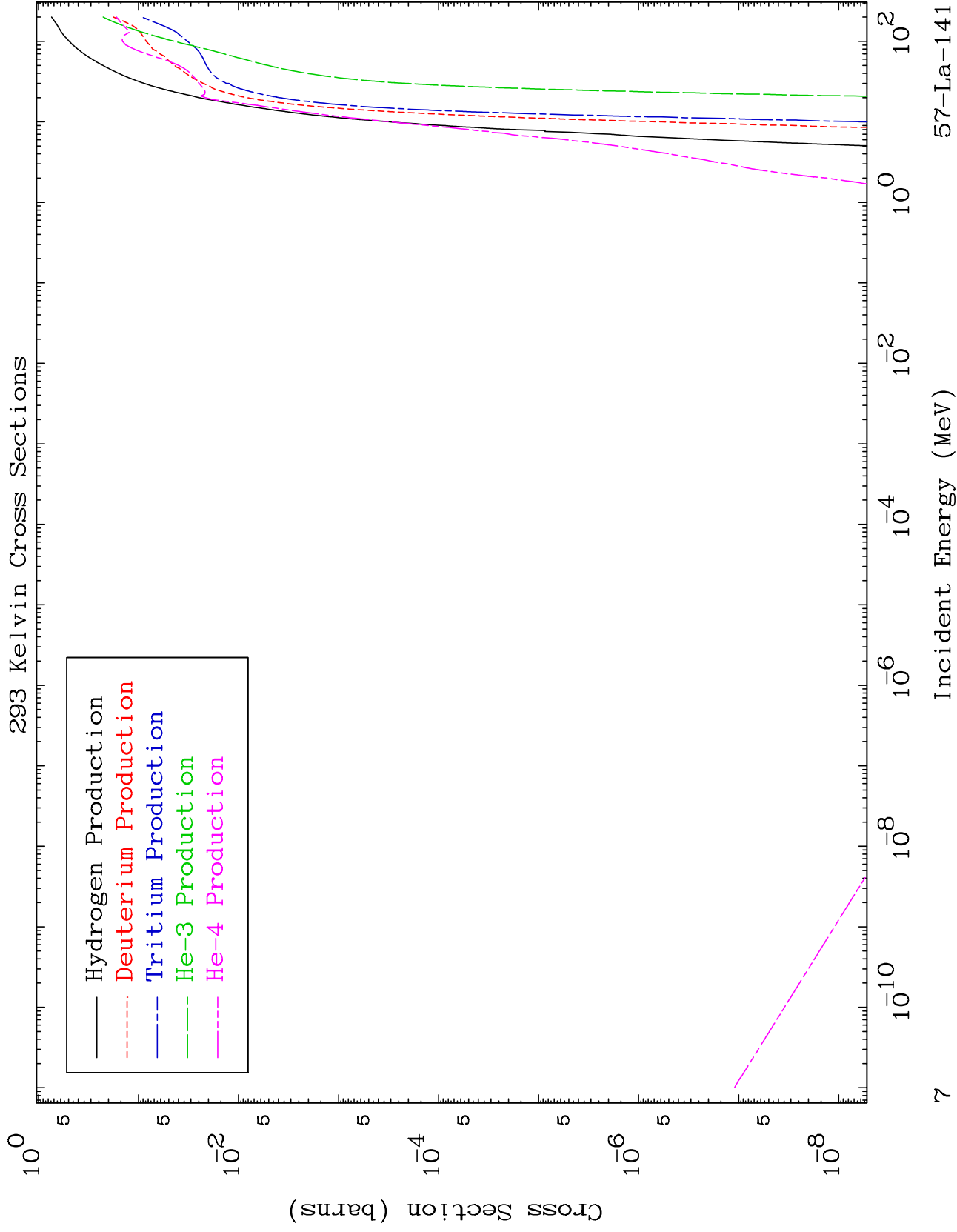
57-La-141



MAT 5734

Particle Production
293 Kelvin Cross Sections

57-La-141

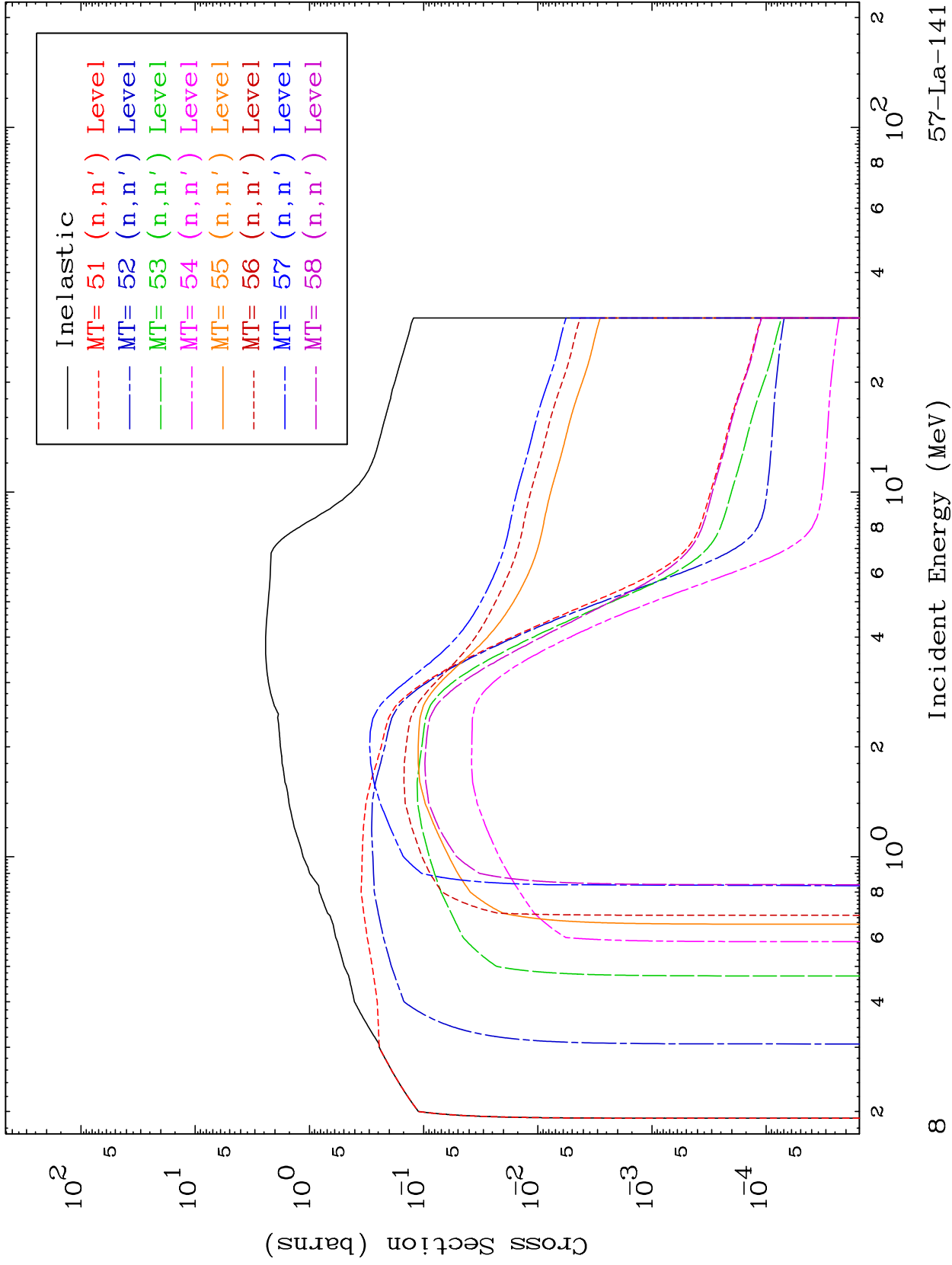


MAT 5734

(n,n') Levels

57-La-141

293 Kelvin Cross Sections



8

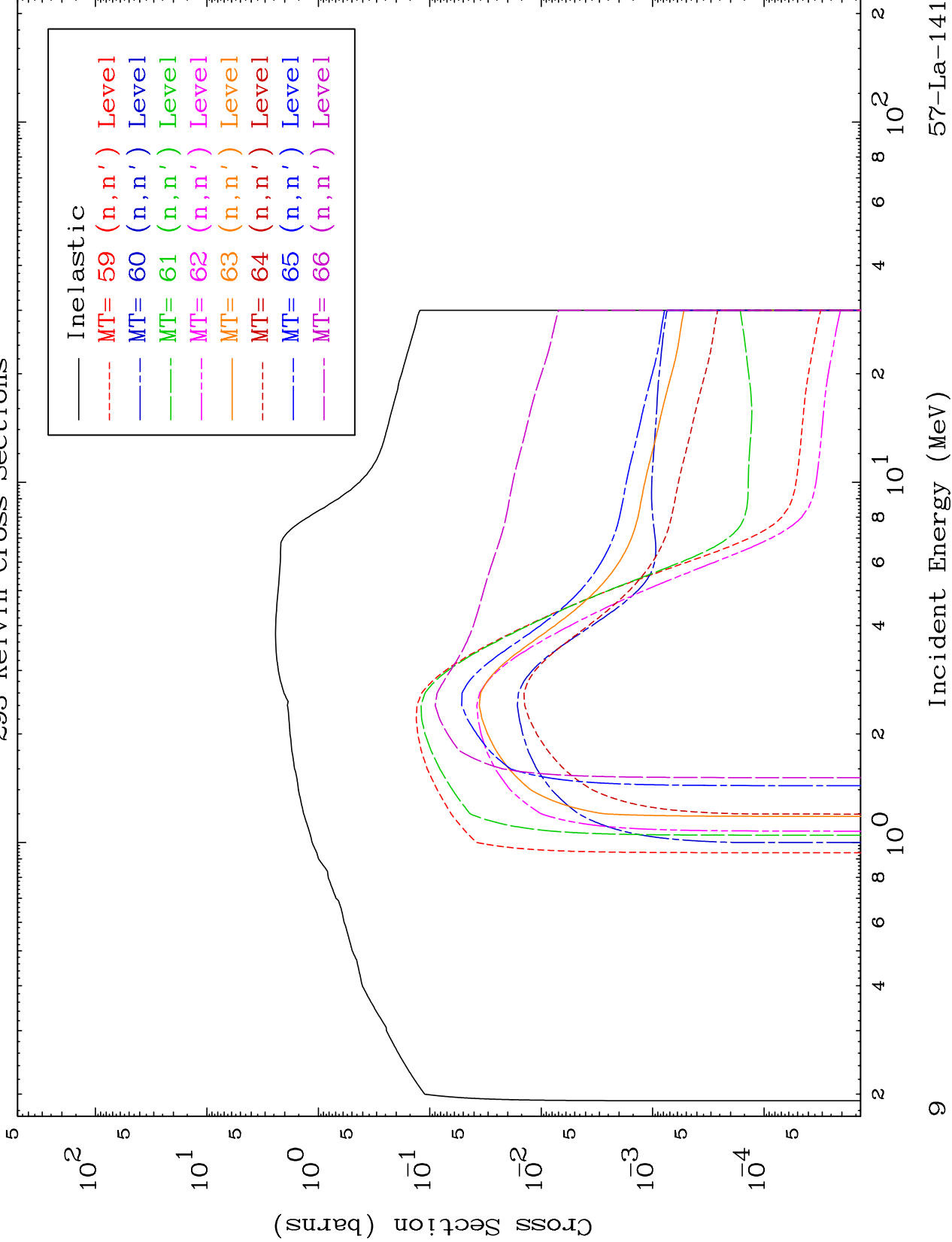
Incident Energy (MeV)

57-La-141

MAT 5734

(n,n') Levels
293 Kelvin Cross Sections

57-La-141



9

Incident Energy (MeV)

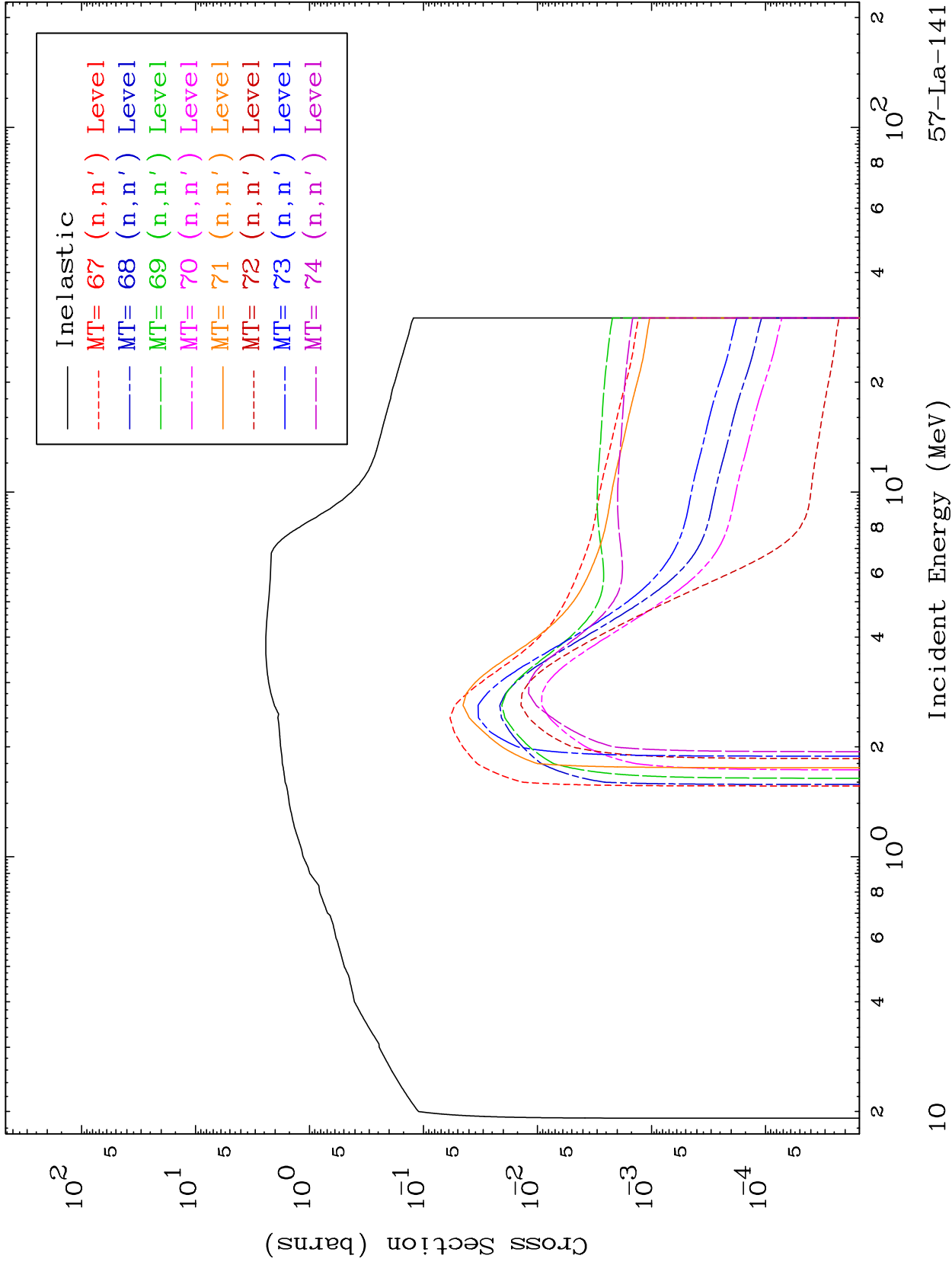
57-La-141

MAT 5734

(n,n') Levels

57-La-141

293 Kelvin Cross Sections

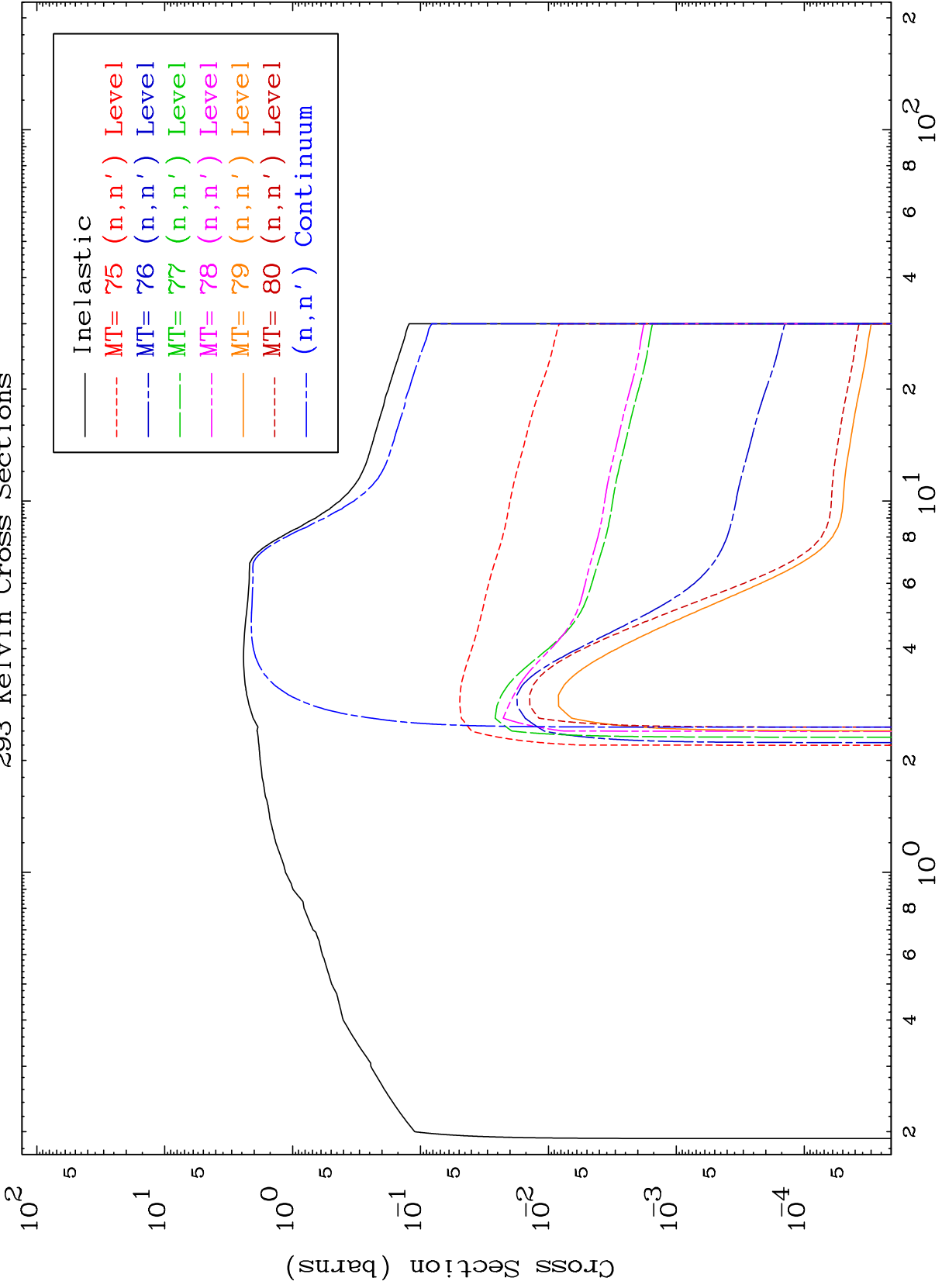


10

Incident Energy (MeV)

57-La-141

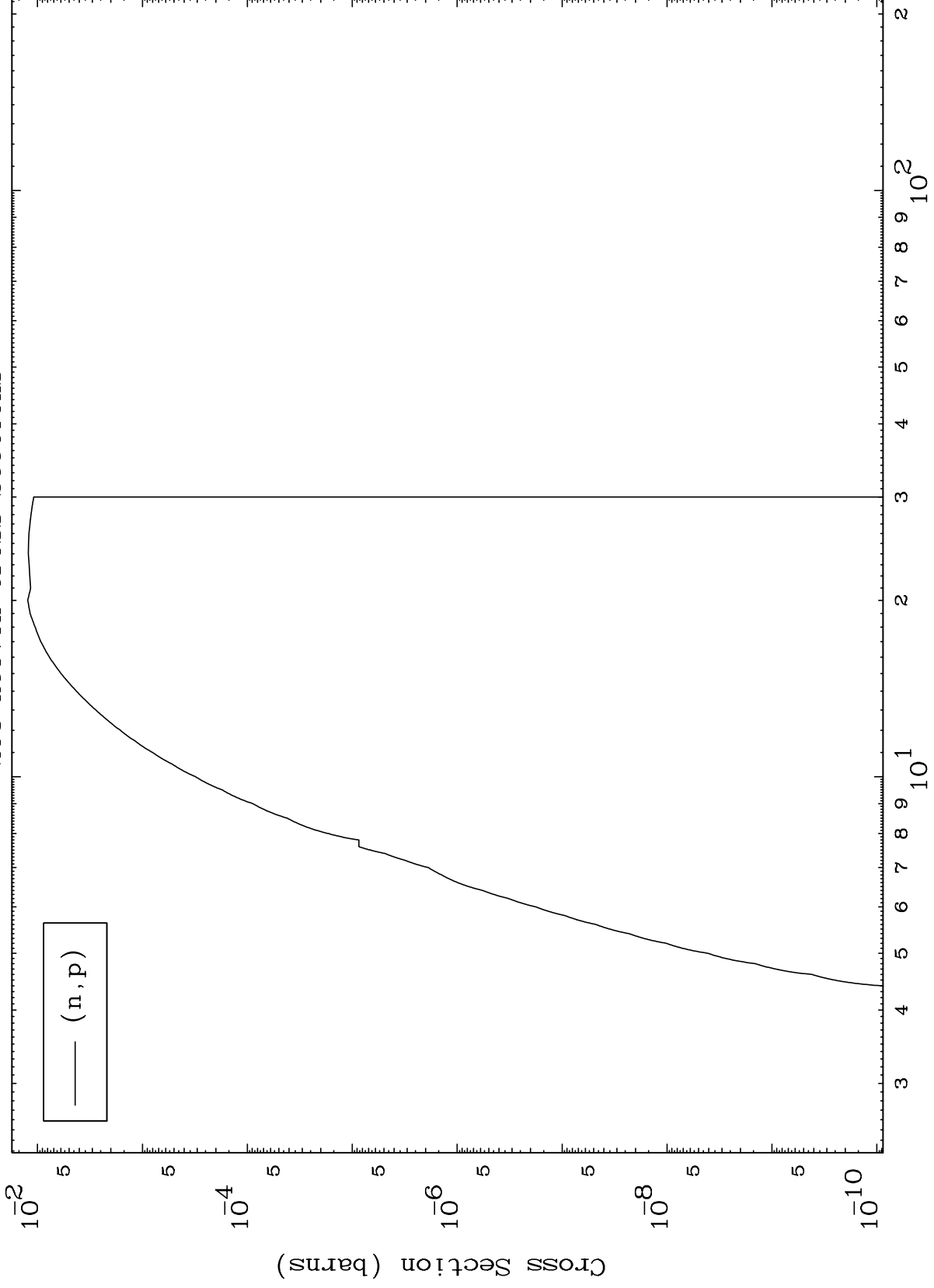
293 Kelvin Cross Sections



MAT 5734

(n,p) Levels
293 Kelvin Cross Sections

57-La-141



12

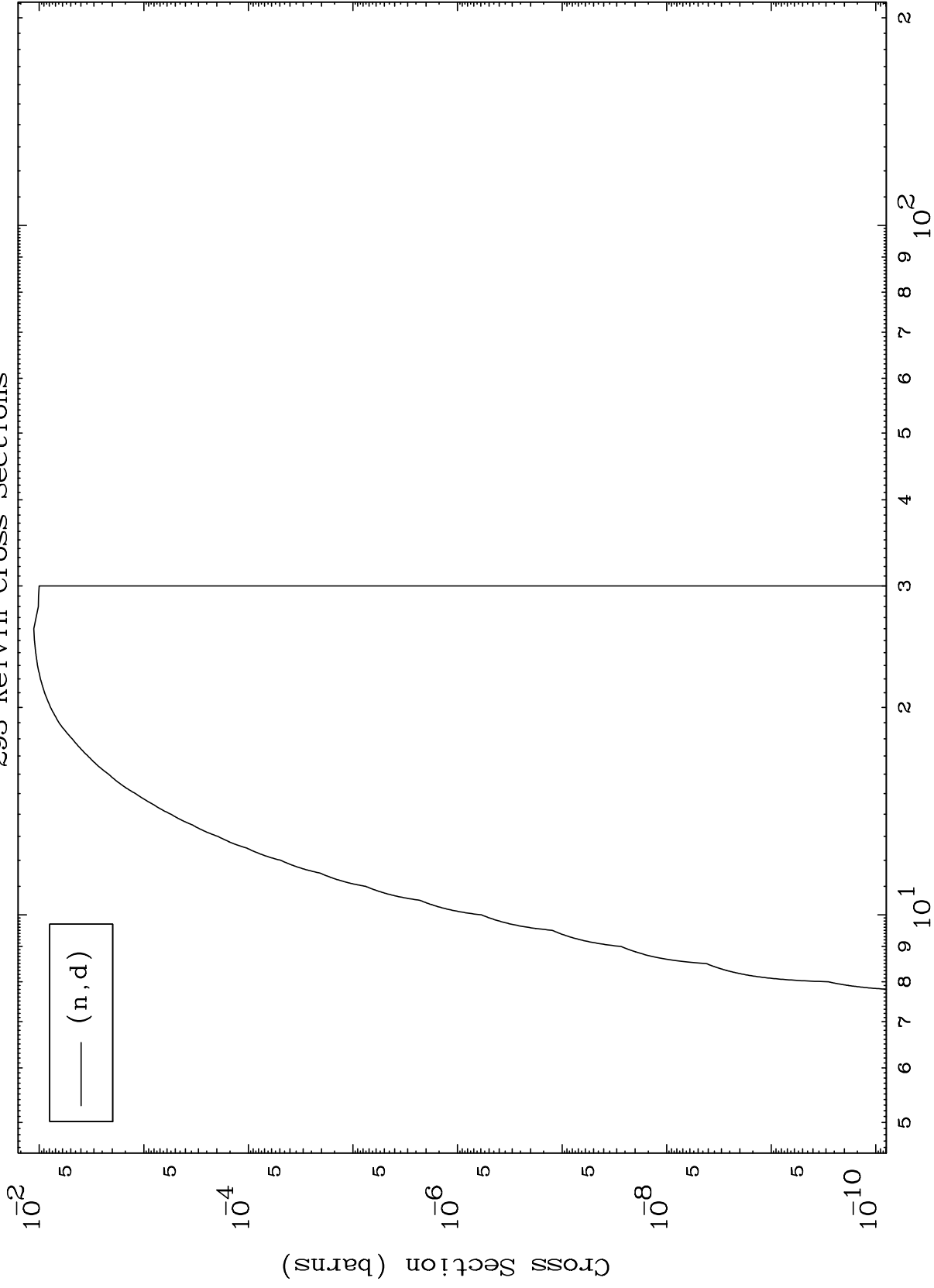
Incident Energy (MeV)

57-La-141

MAT 5734

(n,d) Levels
293 Kelvin Cross Sections

57-La-141



13

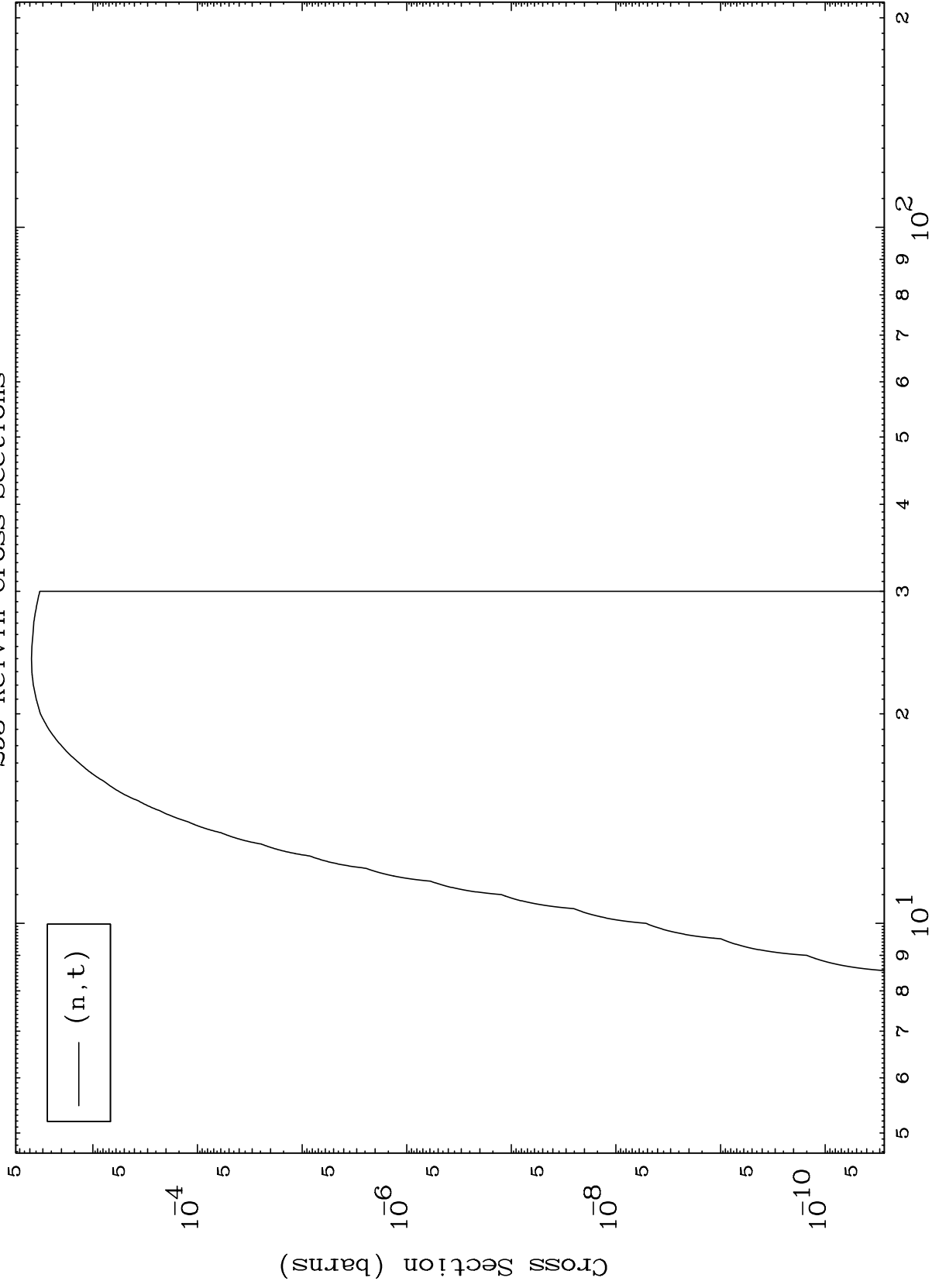
Incident Energy (MeV)

57-La-141

MAT 5734

(n,t) Levels
293 Kelvin Cross Sections

57-La-141



14

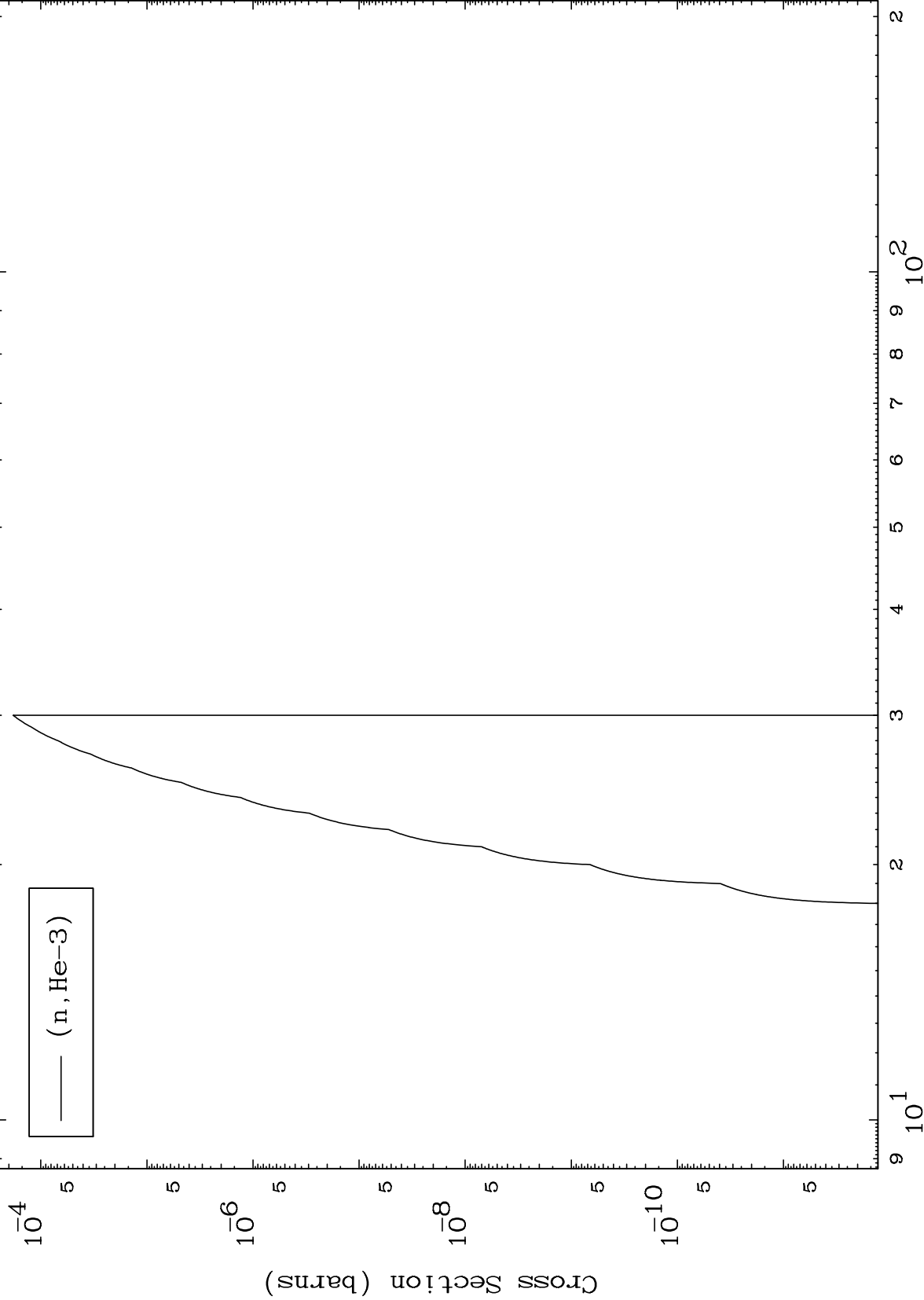
Incident Energy (MeV)

57-La-141

MAT 5734

(n,He3) Levels
293 Kelvin Cross Sections

57-La-141



15

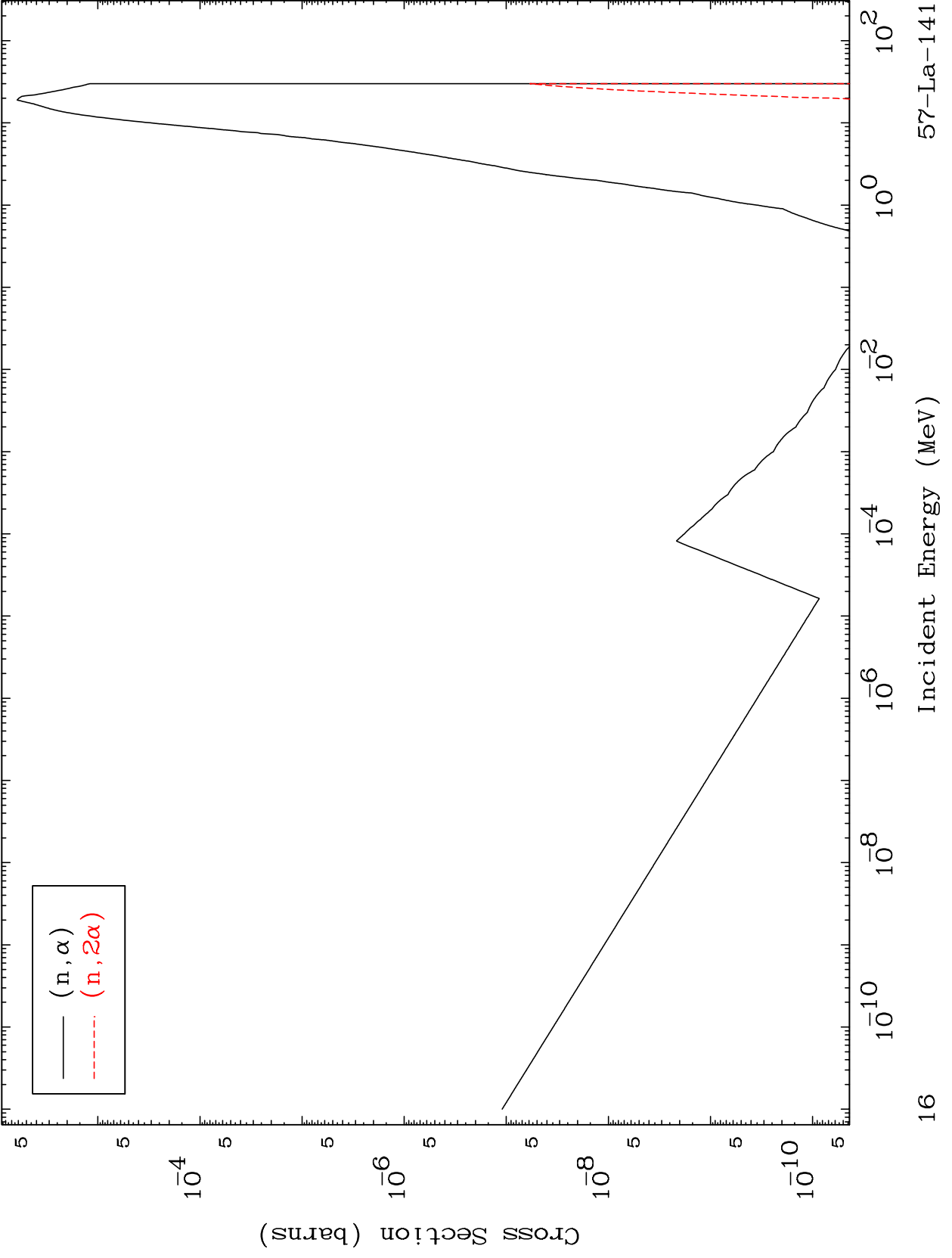
Incident Energy (MeV)

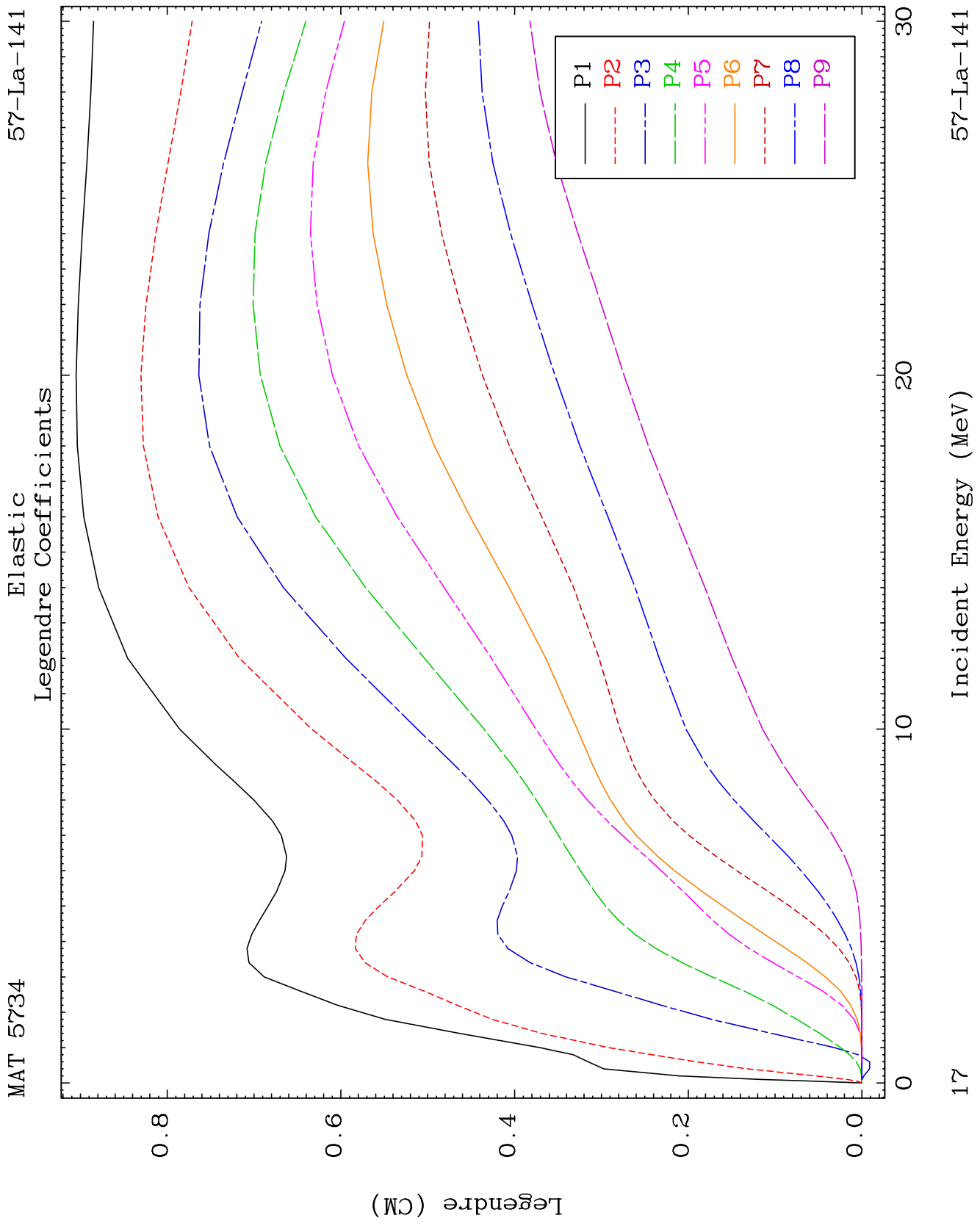
57-La-141

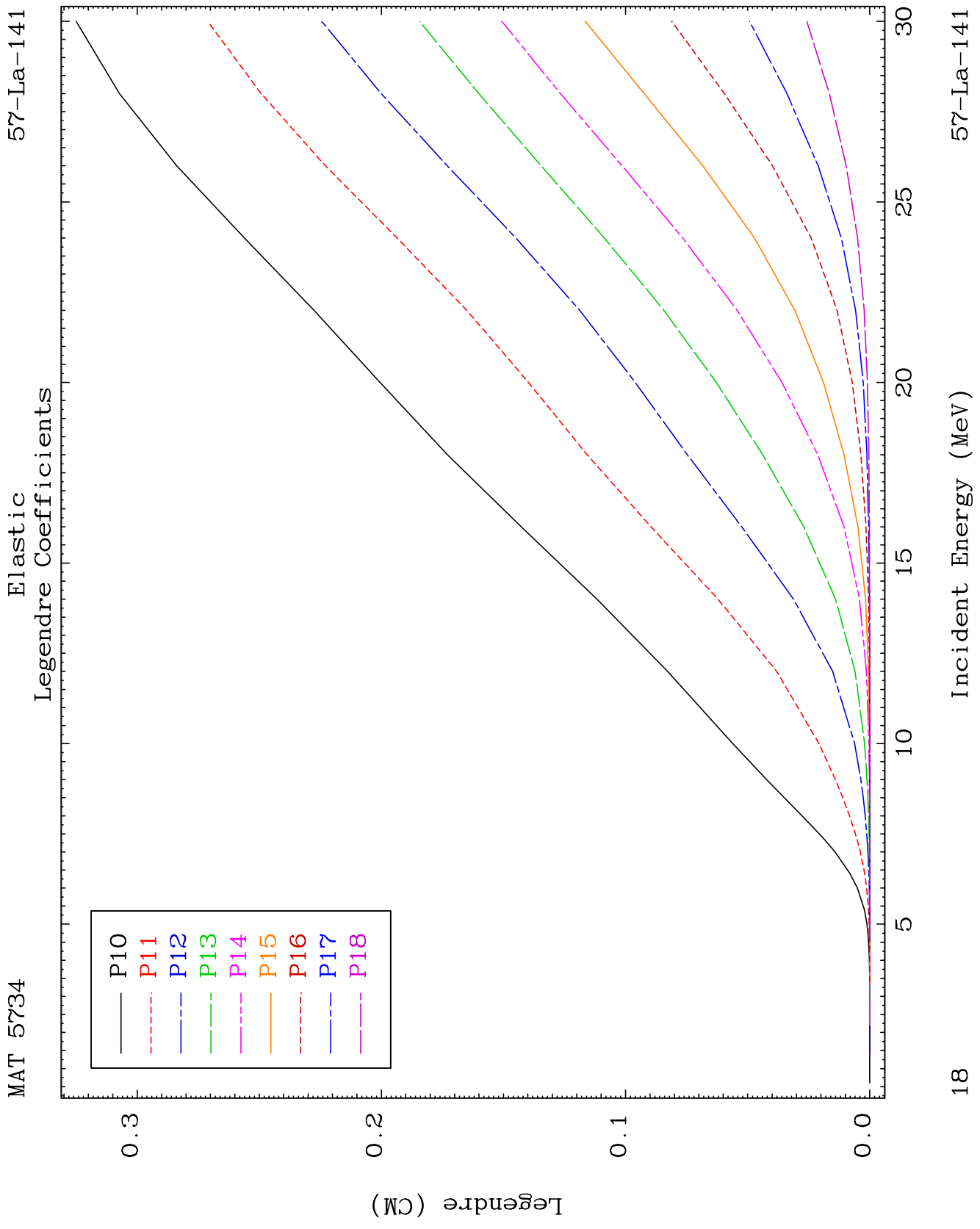
MAT 5734

(n, α) Levels
293 Kelvin Cross Sections

57-La-141



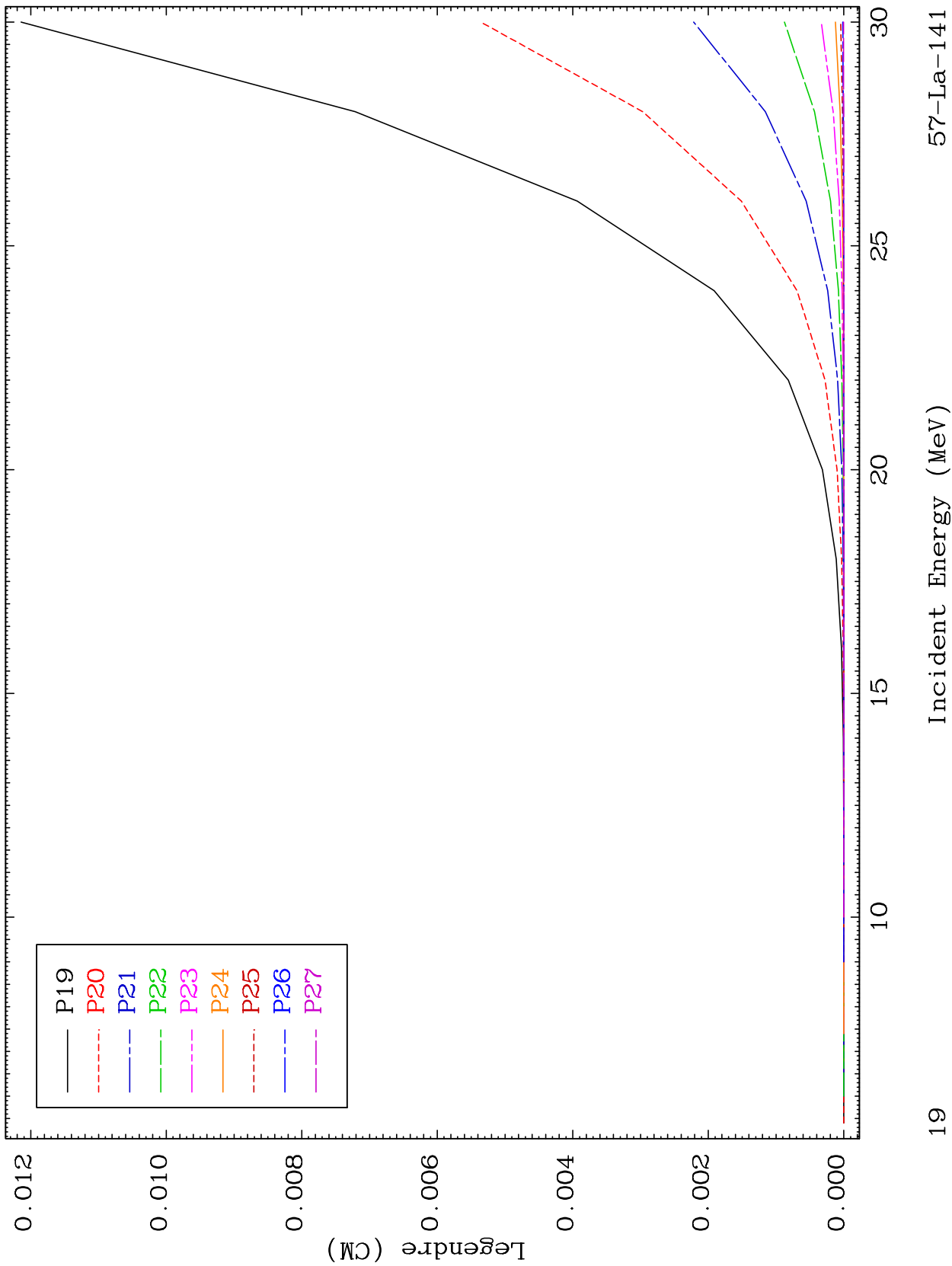




MAT 5734

Elastic Legendre Coefficients

57-La-141



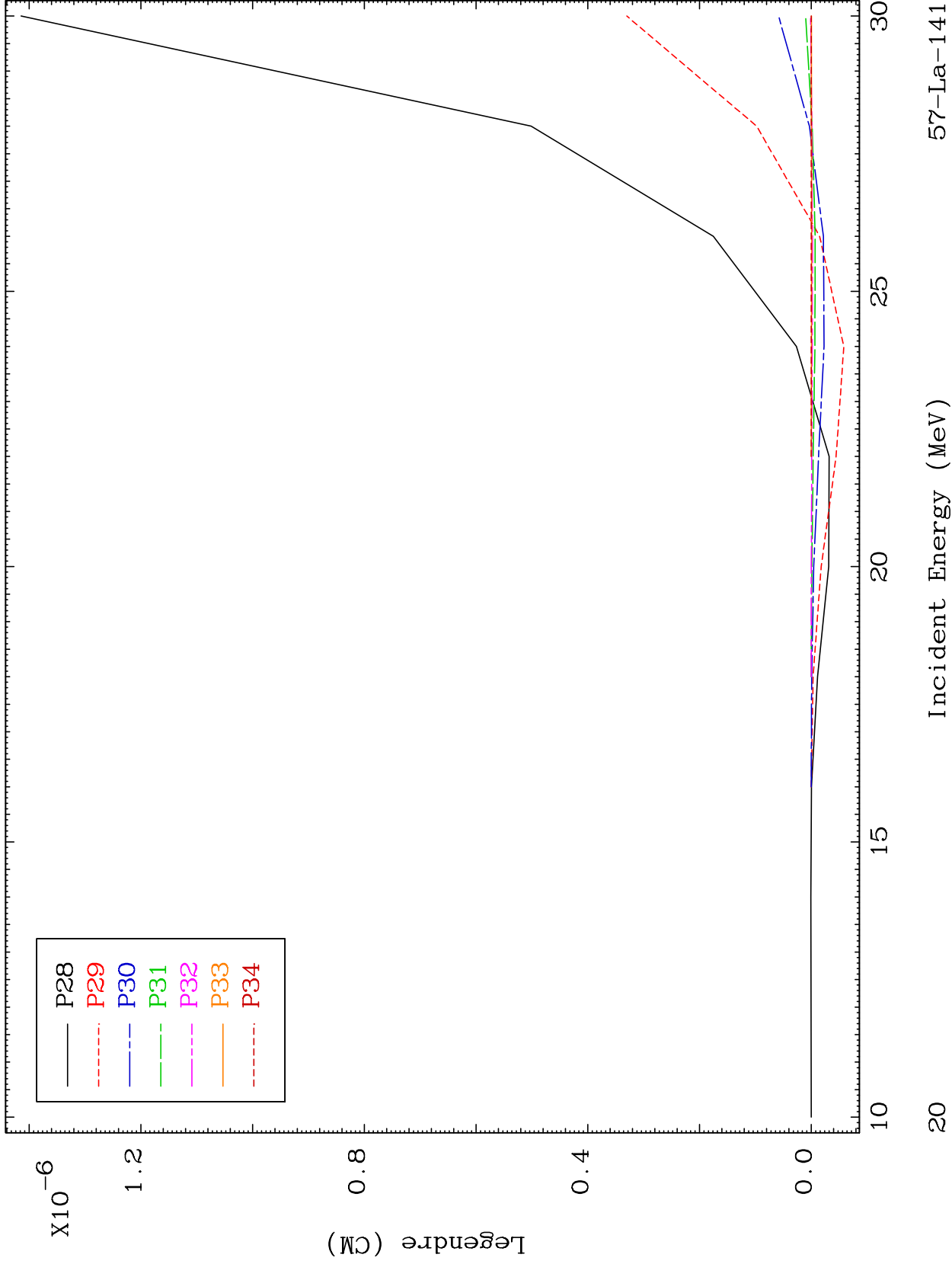
19

57-La-141

MAT 5734

Elastic
Legendre Coefficients

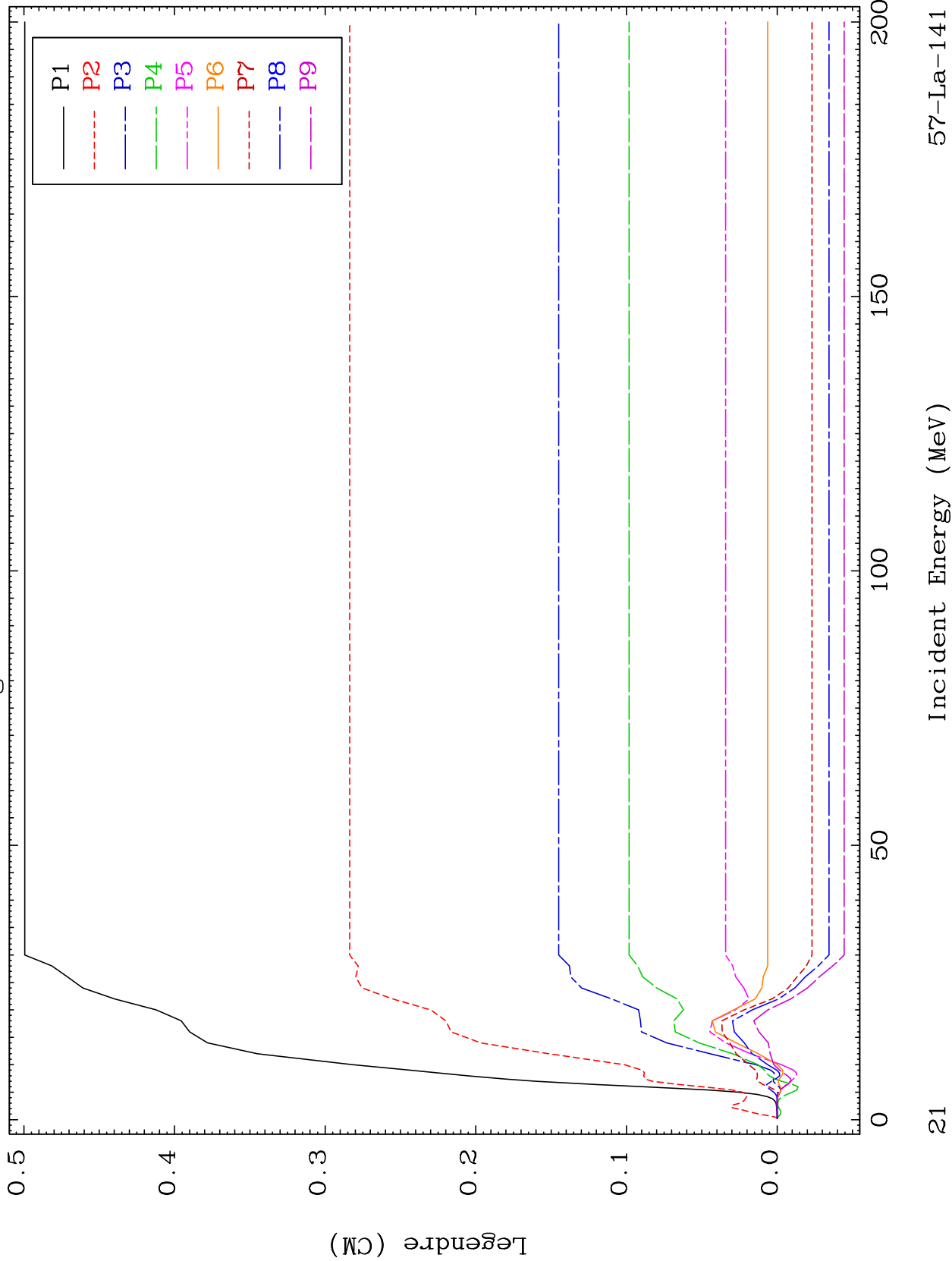
57-La-141



MAT 5734

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

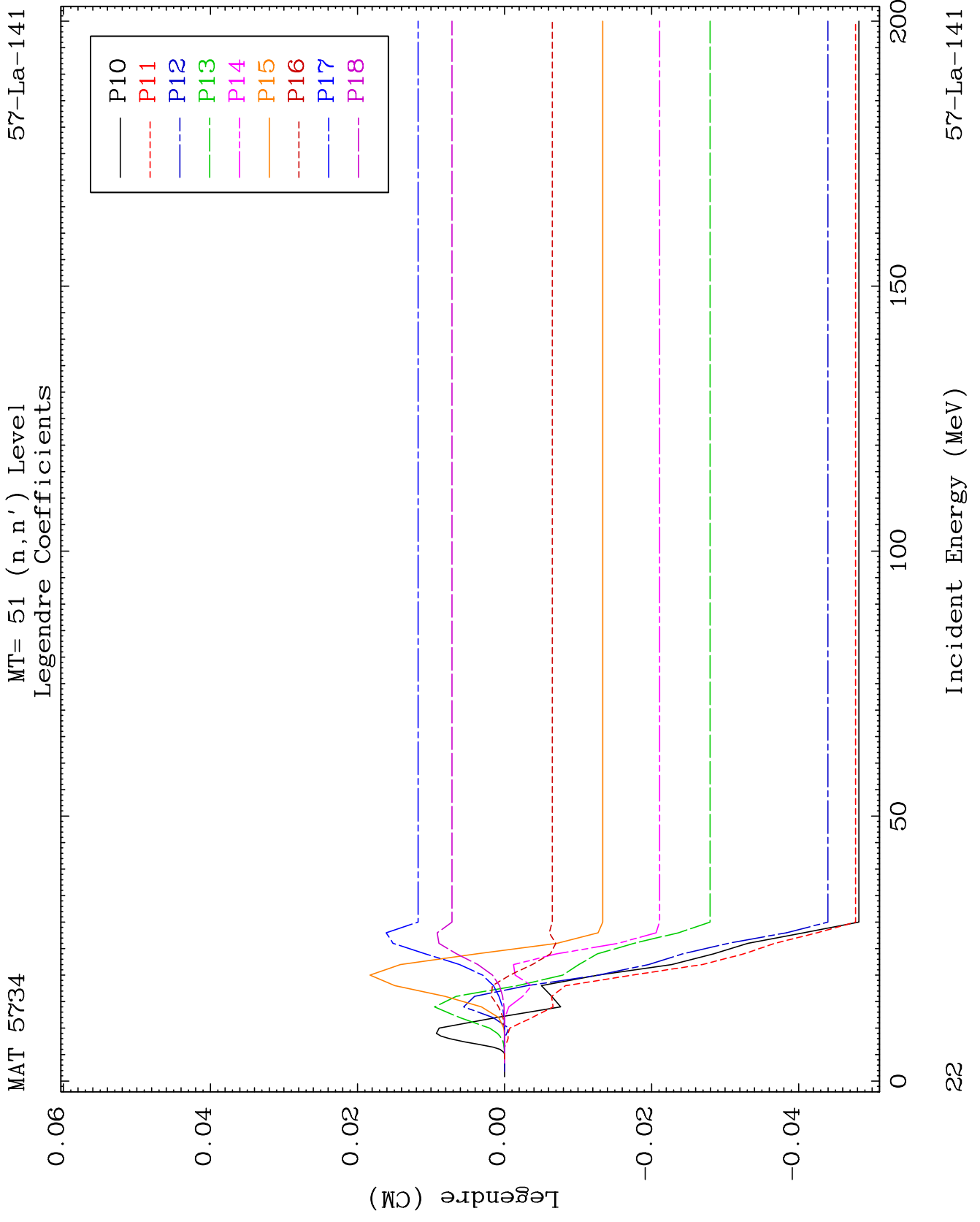
57-La-141



57-La-141

Incident Energy (MeV)

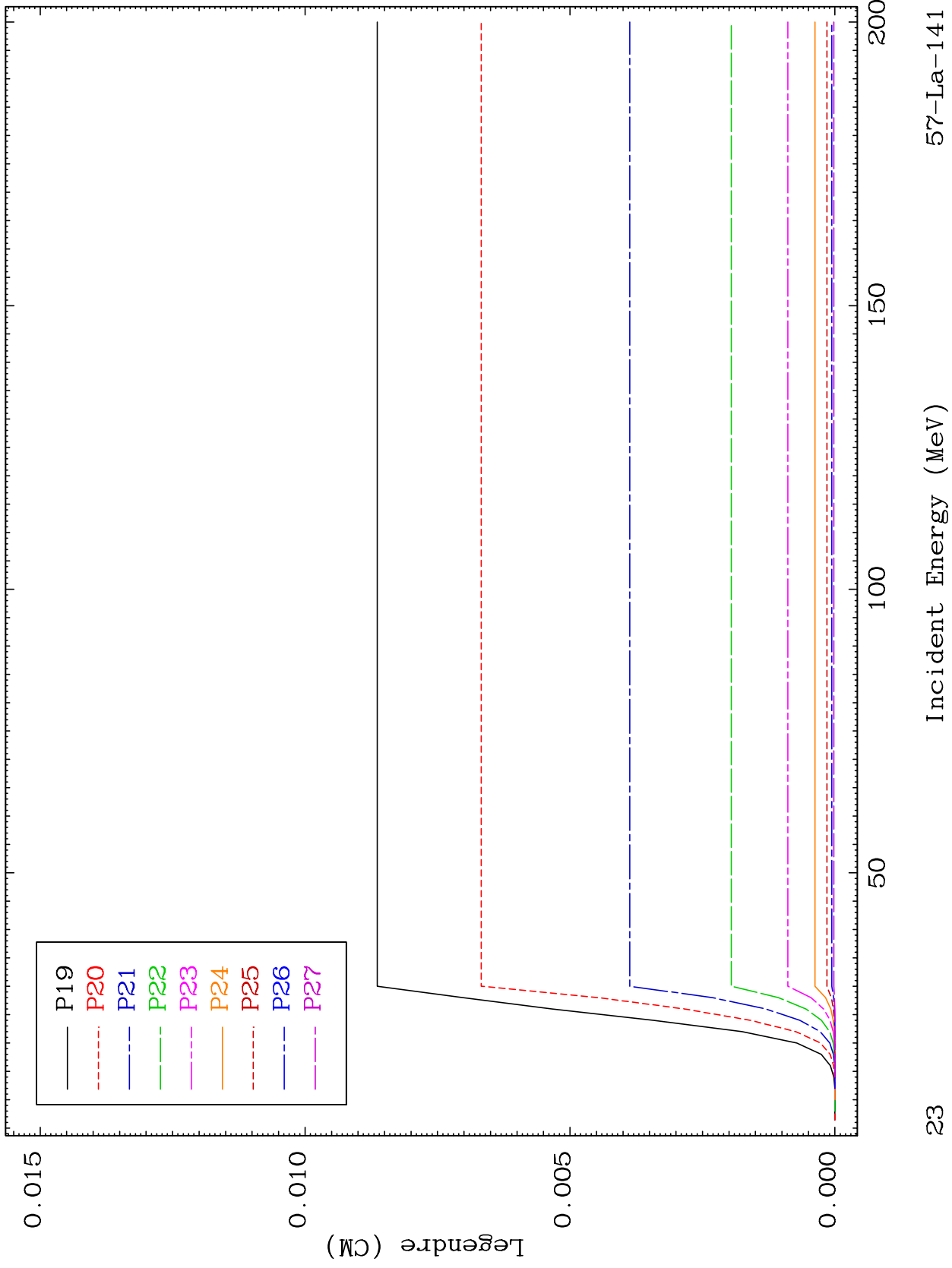
21



MAT 5734

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

57-La-141



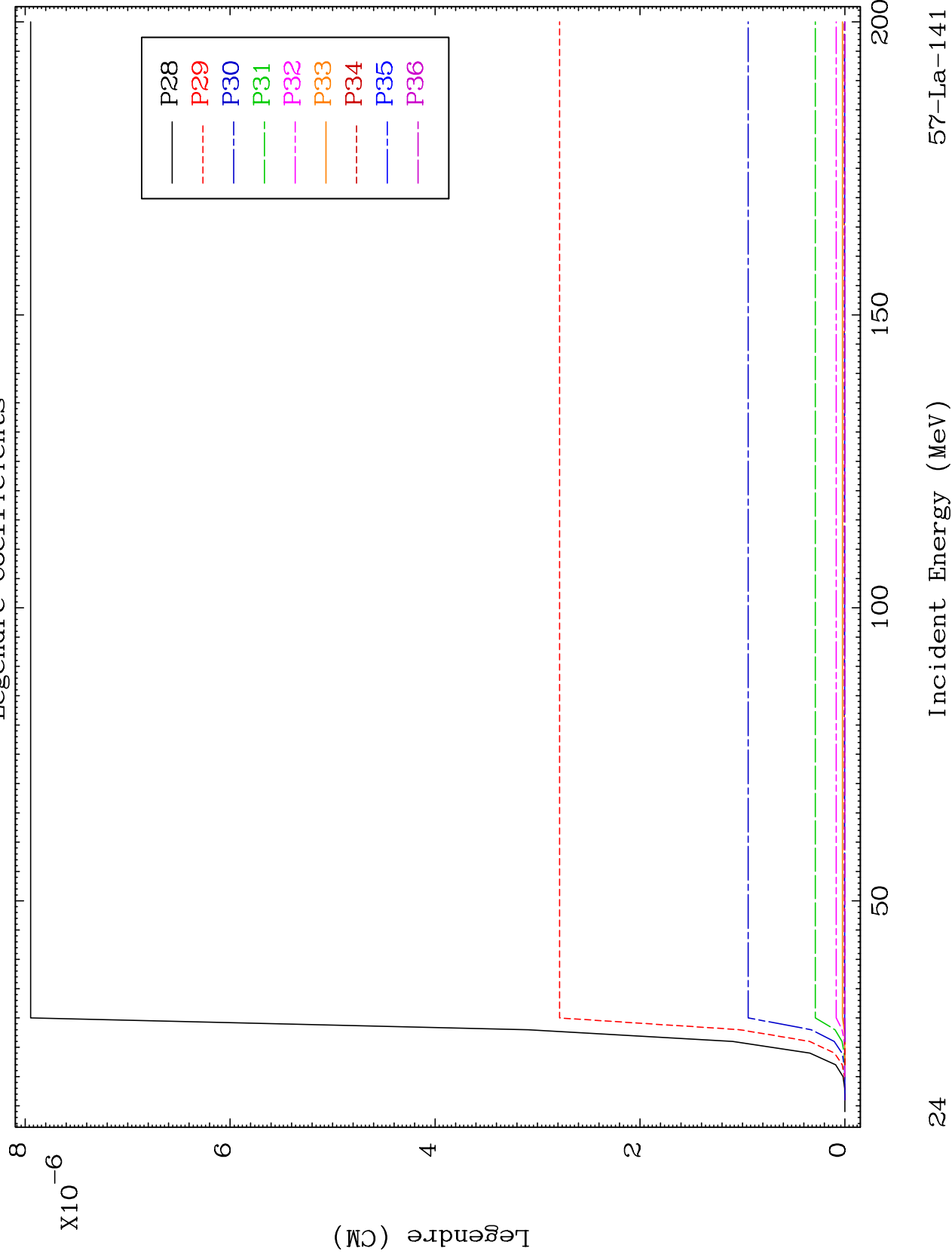
23

57-La-141

MAT 5734

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

57-La-141



24

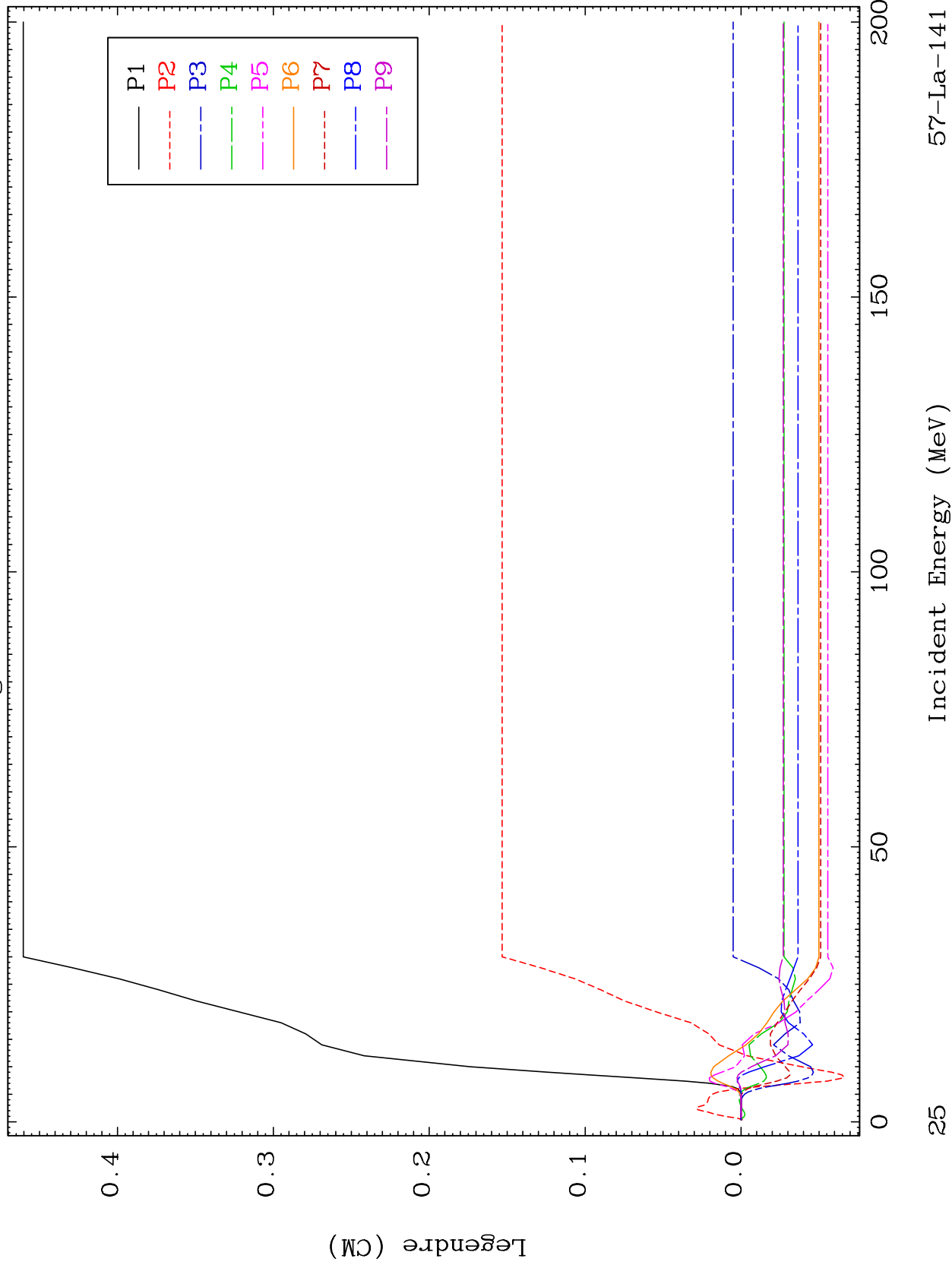
Incident Energy (MeV)

57-La-141

MAT 5734

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

57-La-141



57-La-141

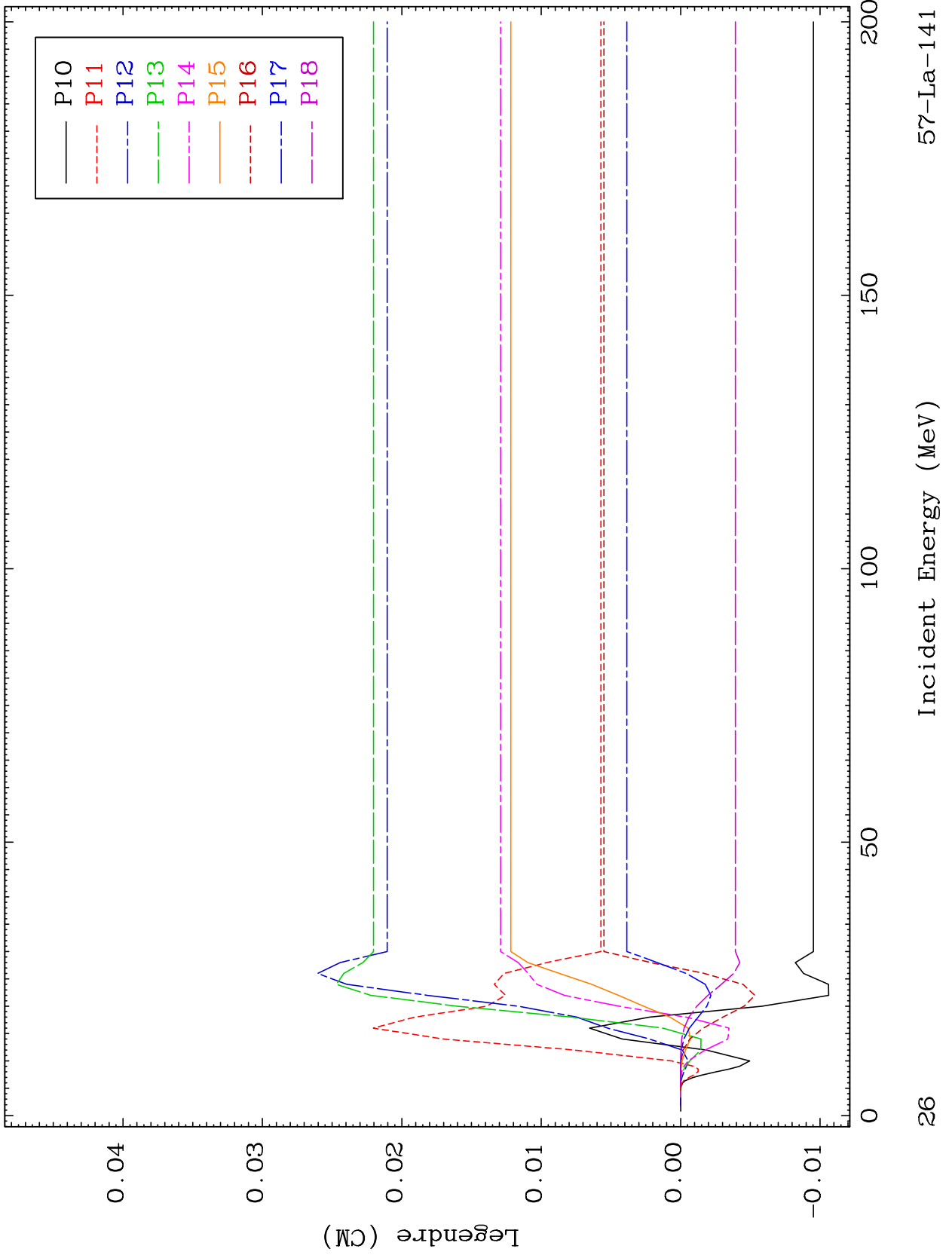
Incident Energy (MeV)

25

MAT 5734

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

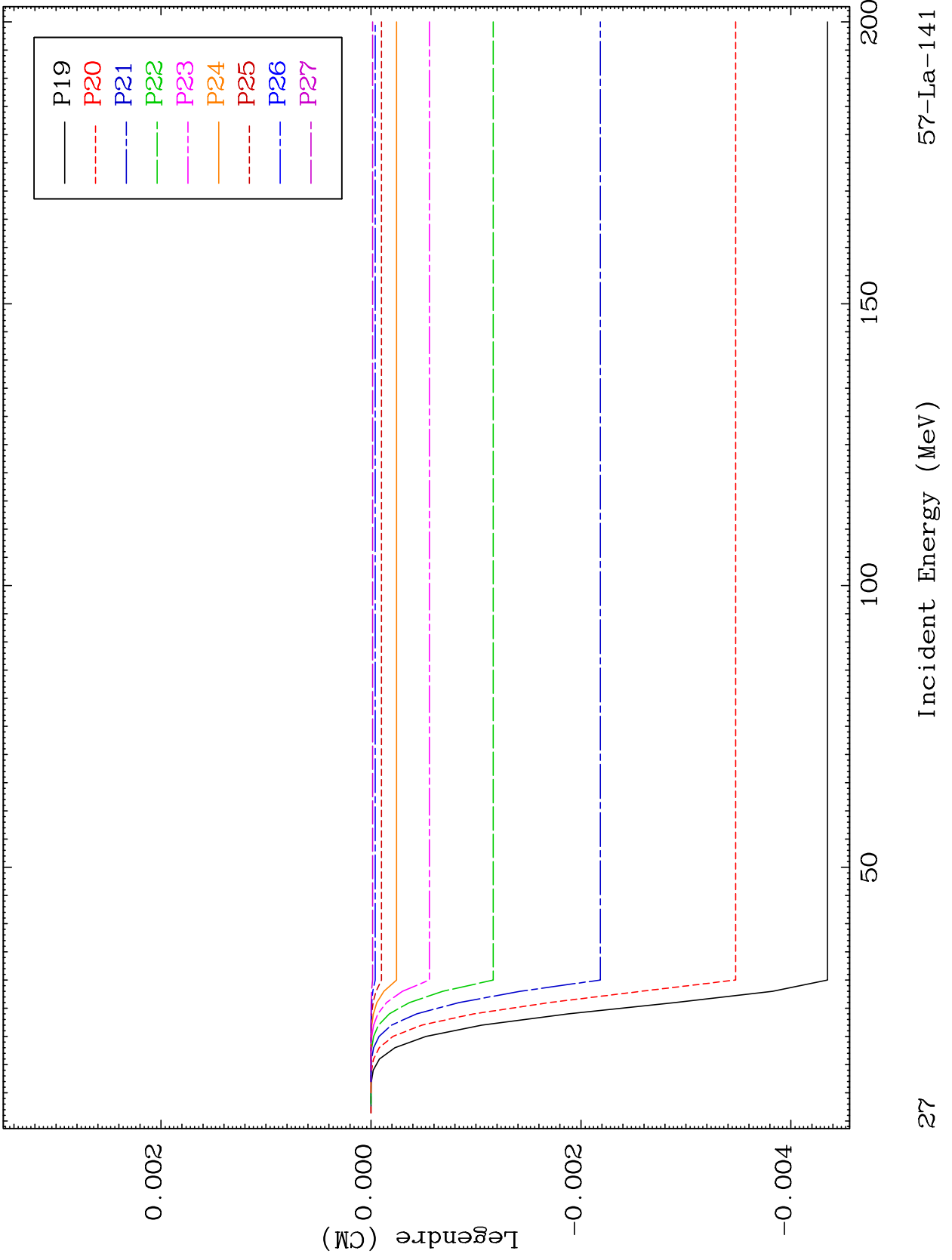
57-La-141



MAT 5734

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

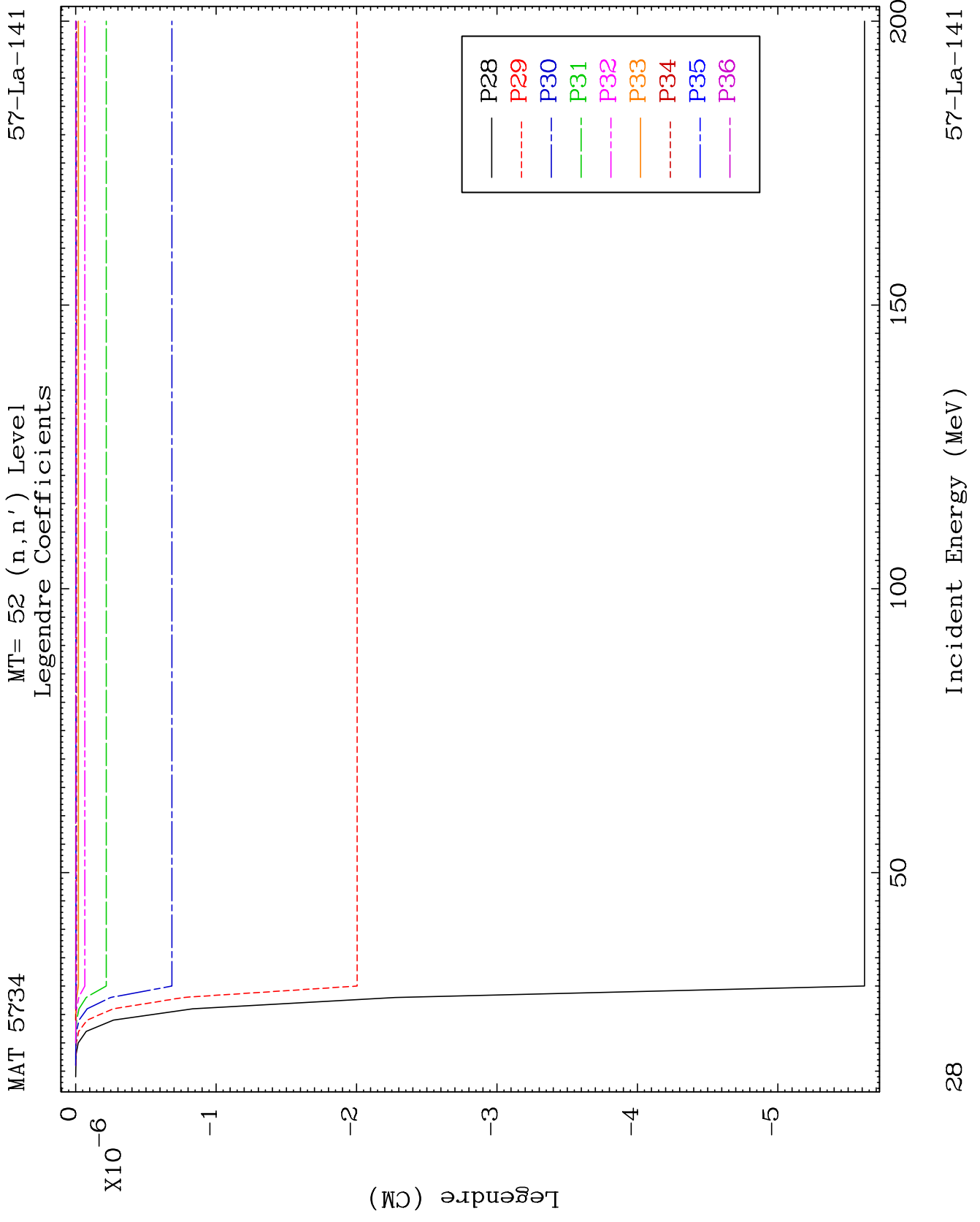
57-La-141



27

Incident Energy (MeV)

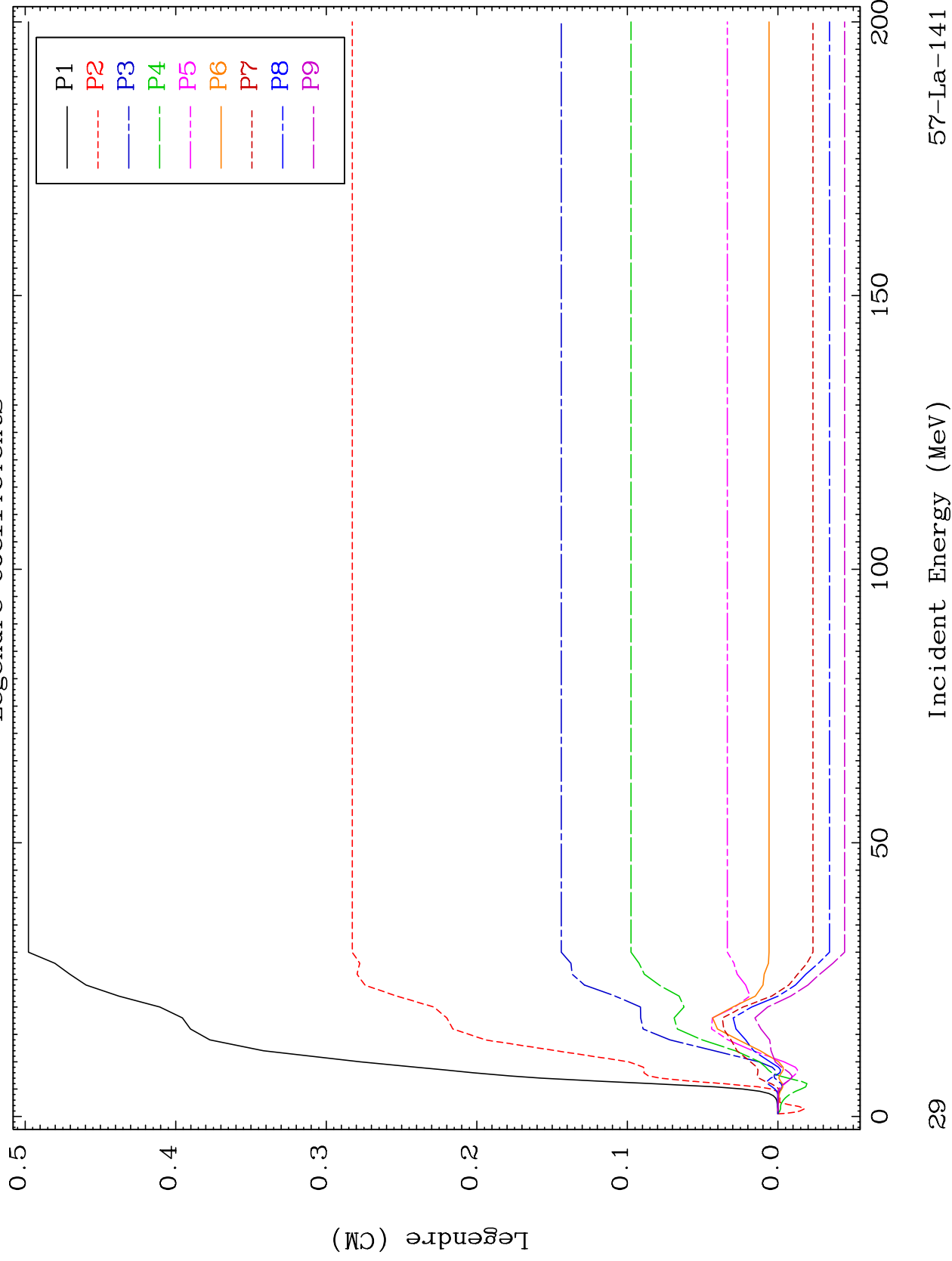
57-La-141



MAT 5734

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

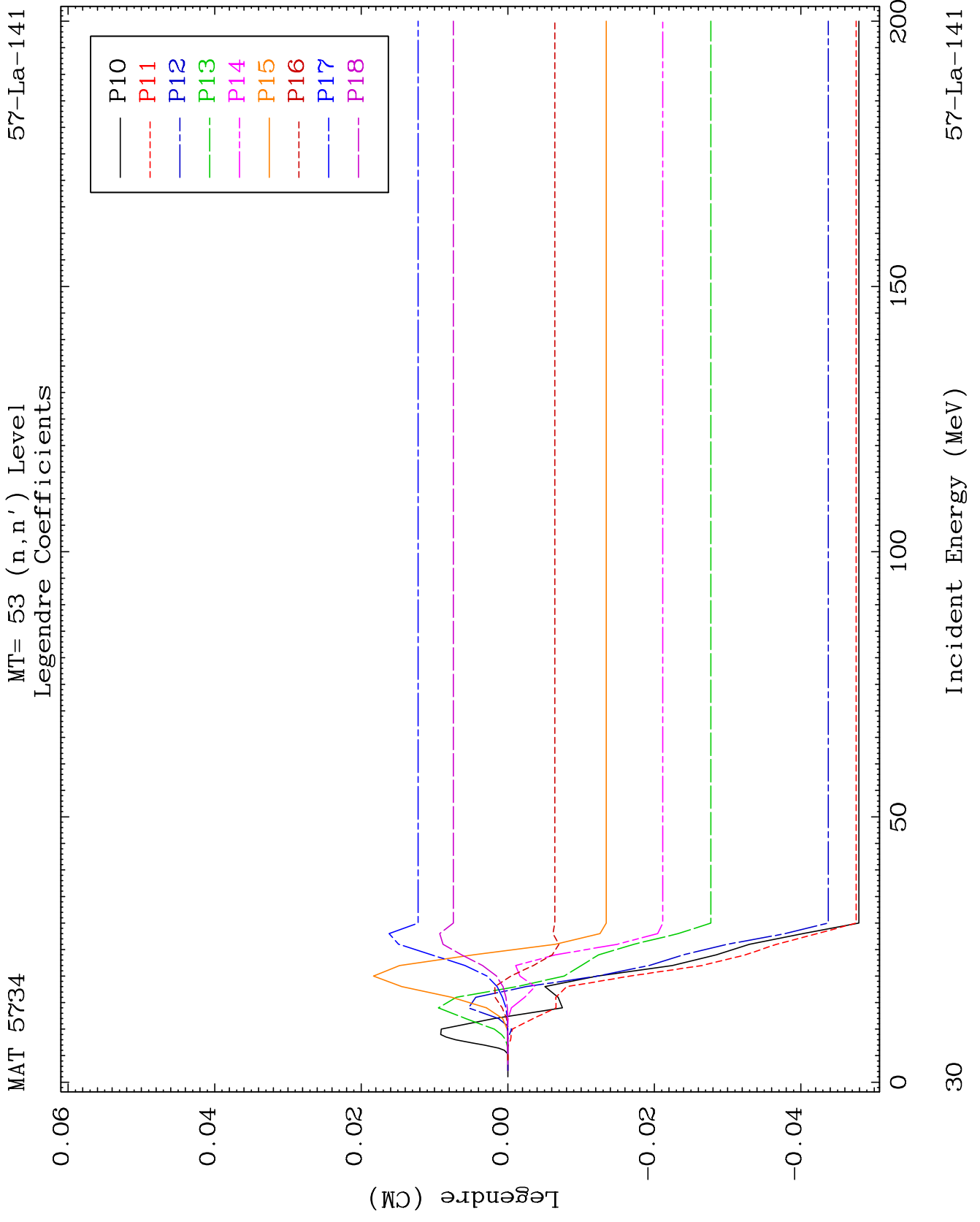
57-La-141



57-La-141

Incident Energy (MeV)

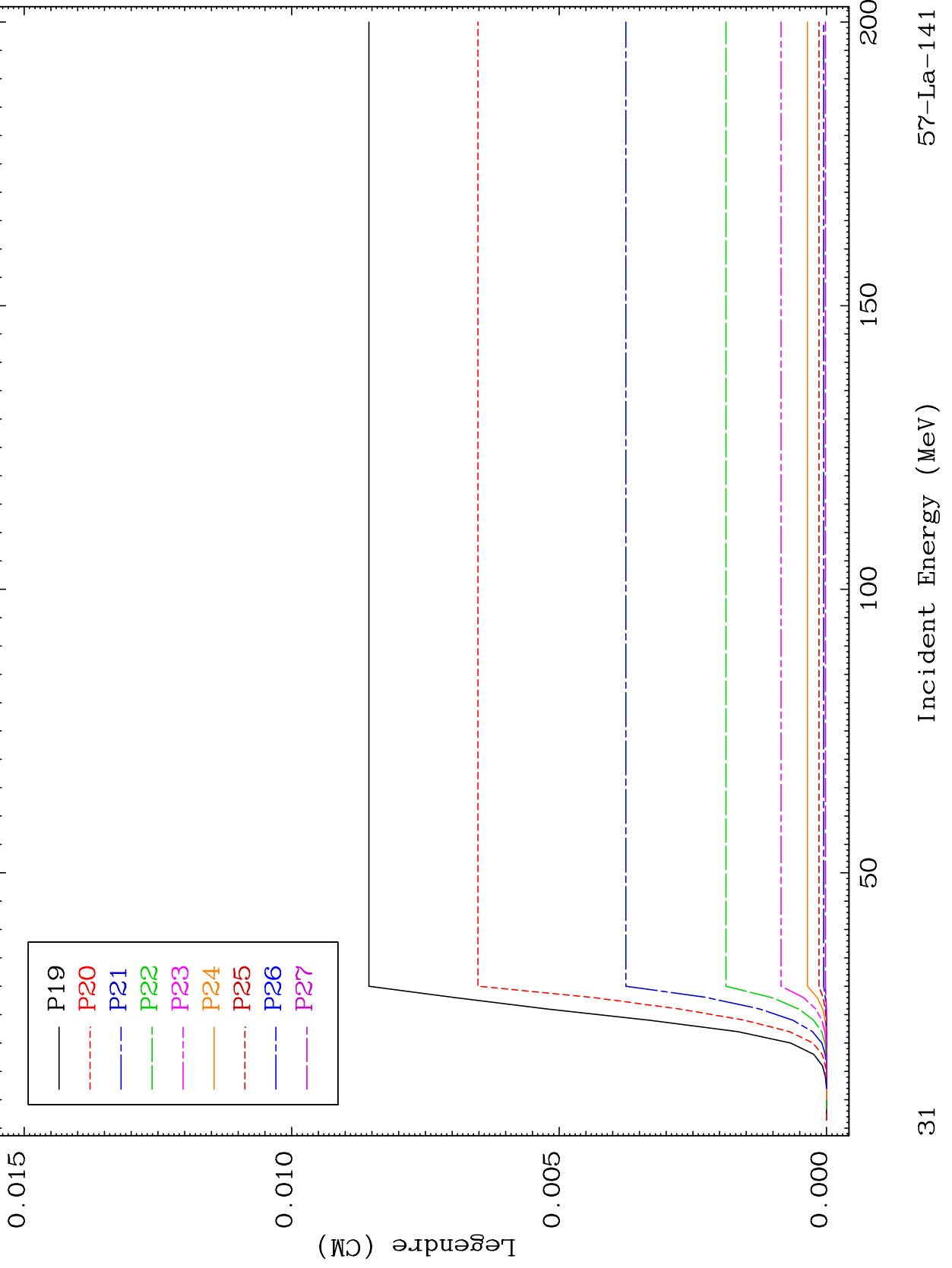
29



MAT 5734

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

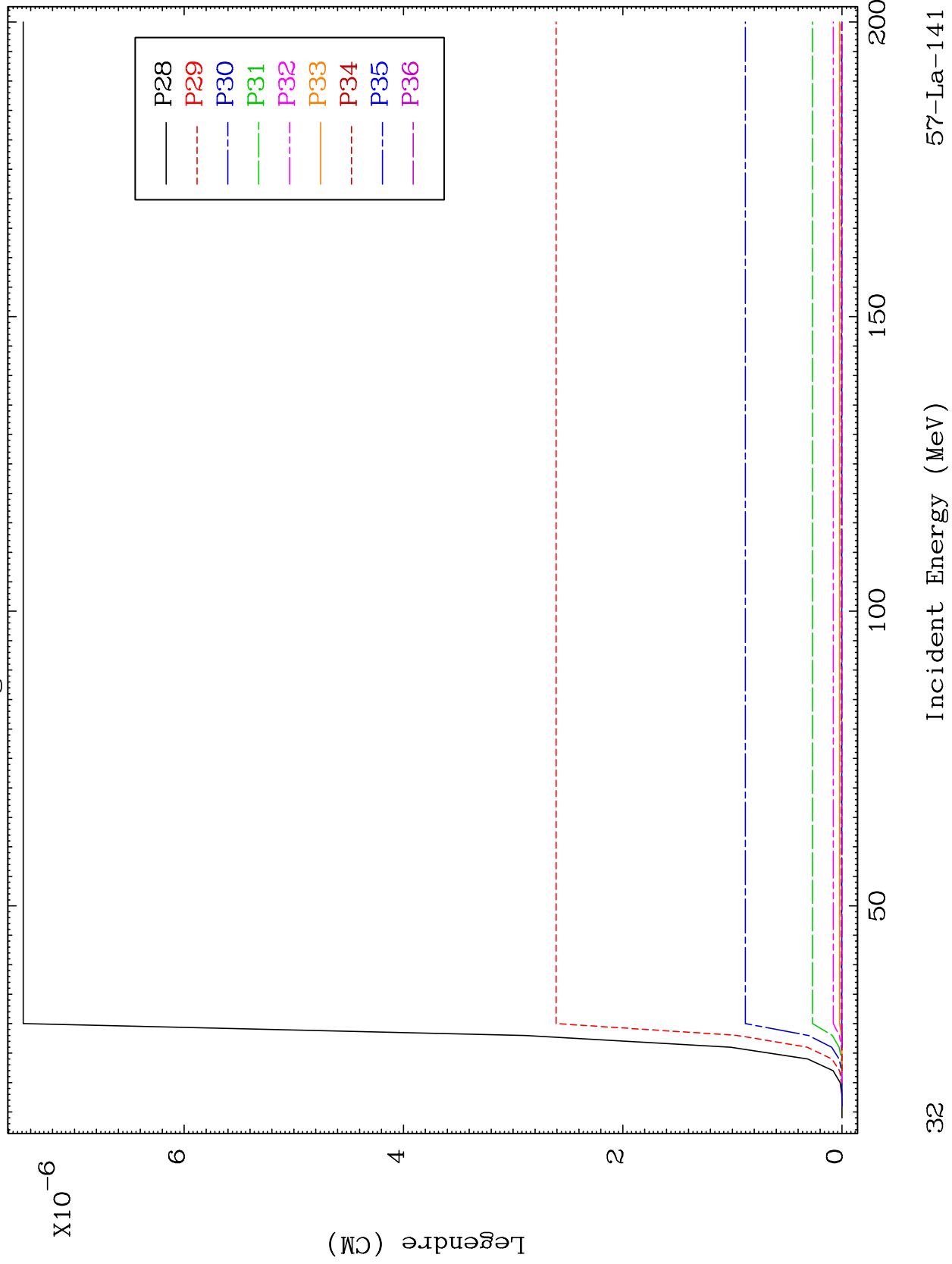
57-La-141



MAT 5734

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

57-La-141



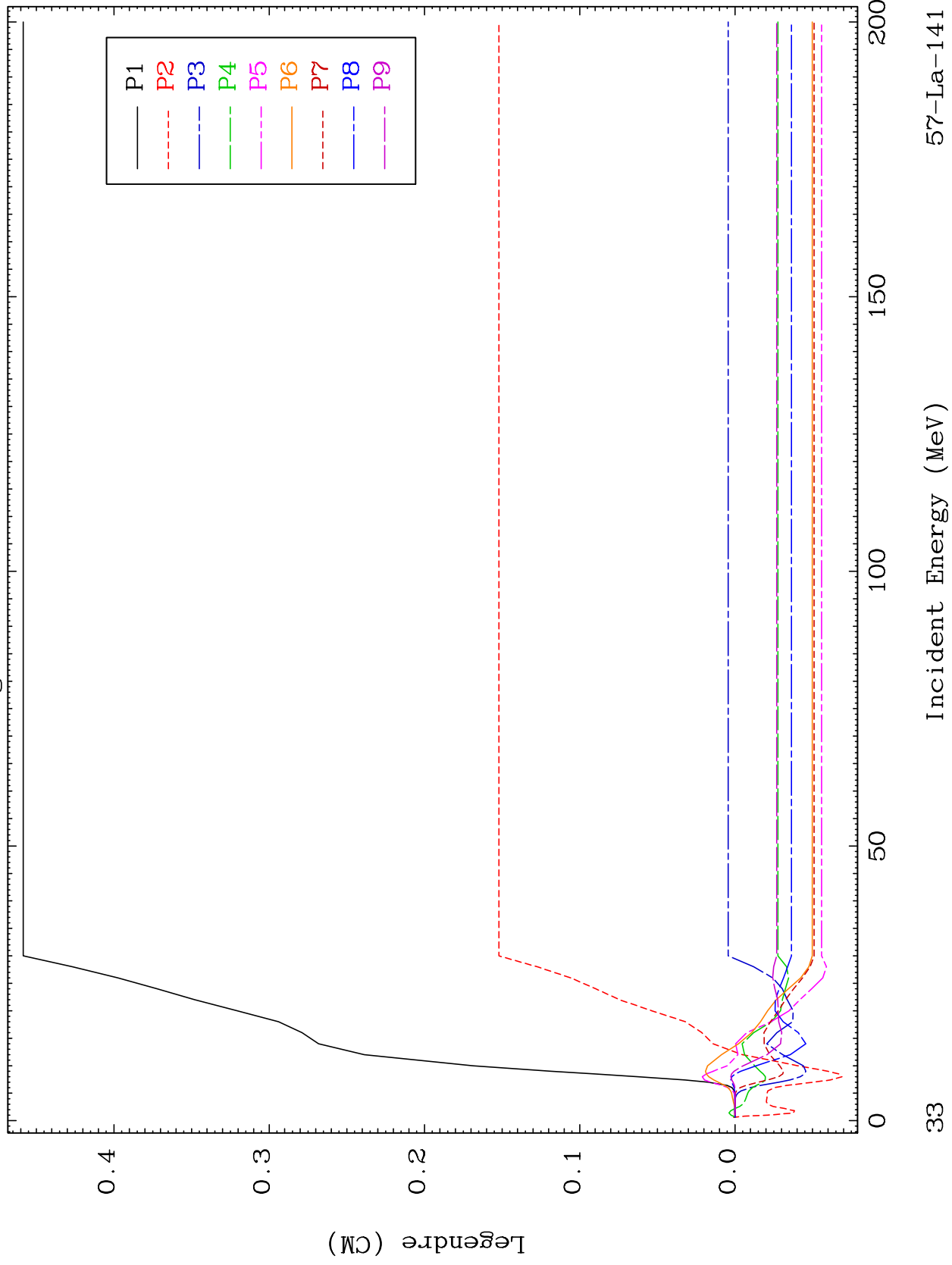
32

57-La-141

MAT 5734

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

57-La-141



57-La-141

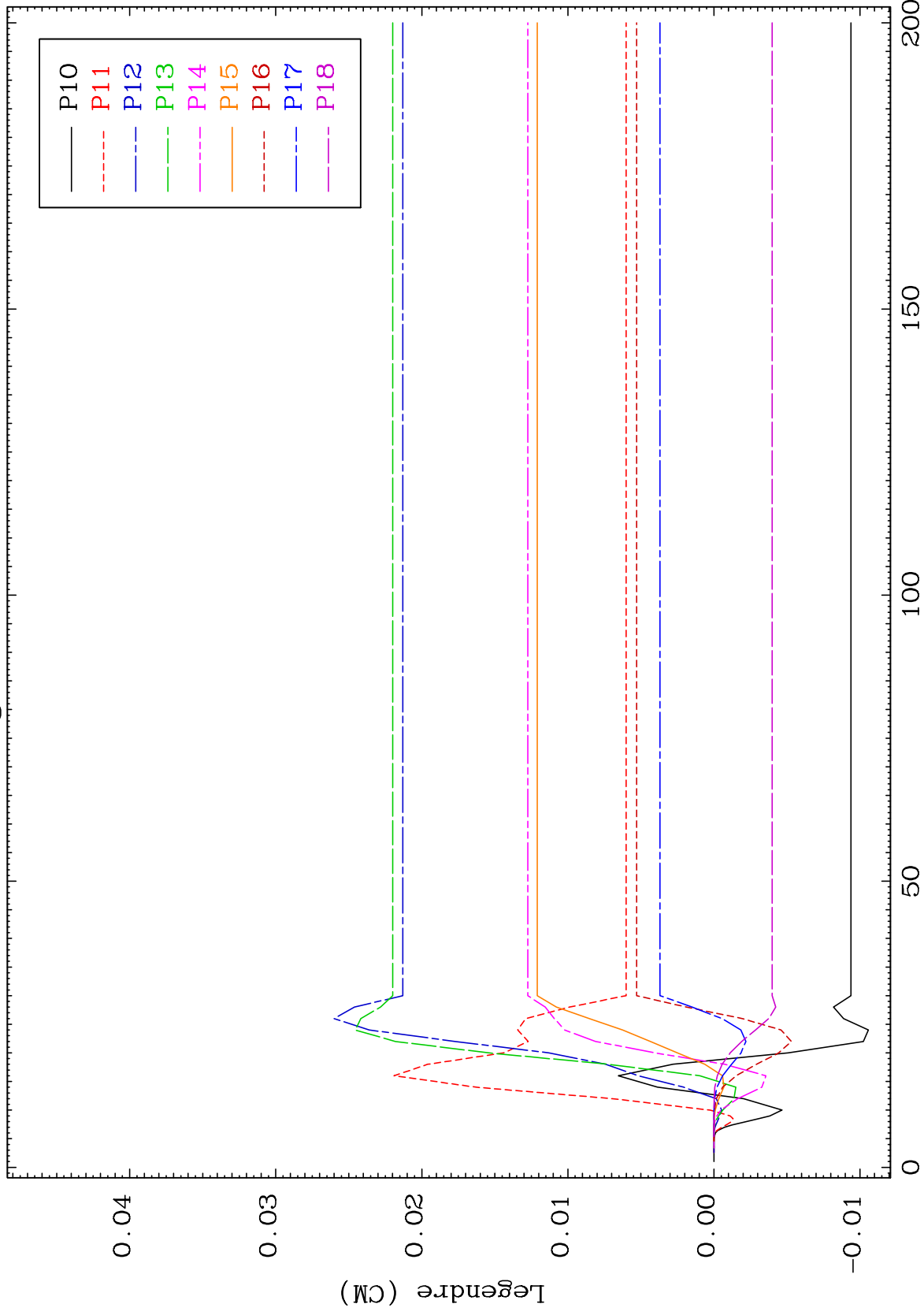
Incident Energy (MeV)

33

MAT 5734

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

57-La-141



34

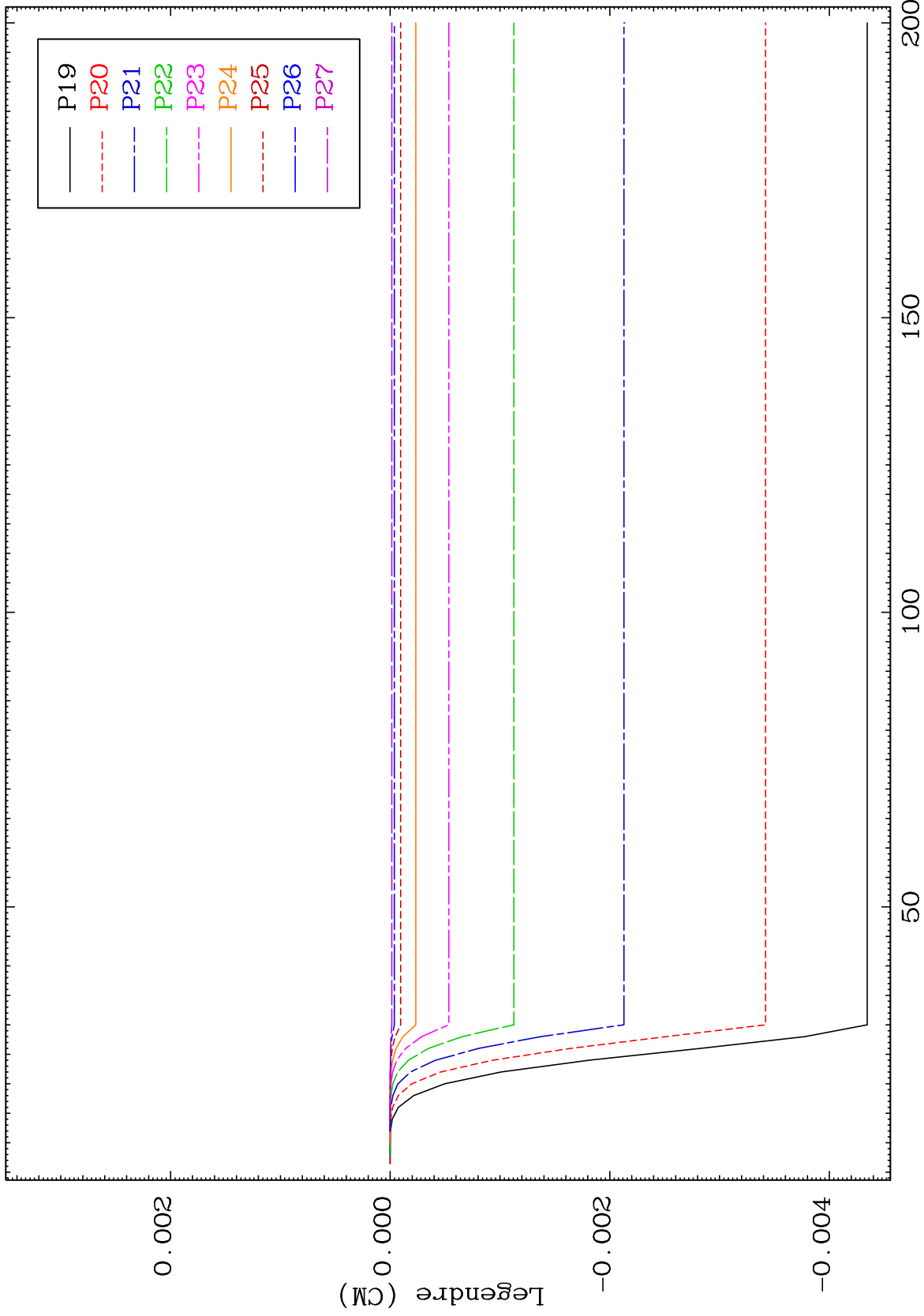
Incident Energy (MeV)

57-La-141

MAT 5734

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

57-La-141



35

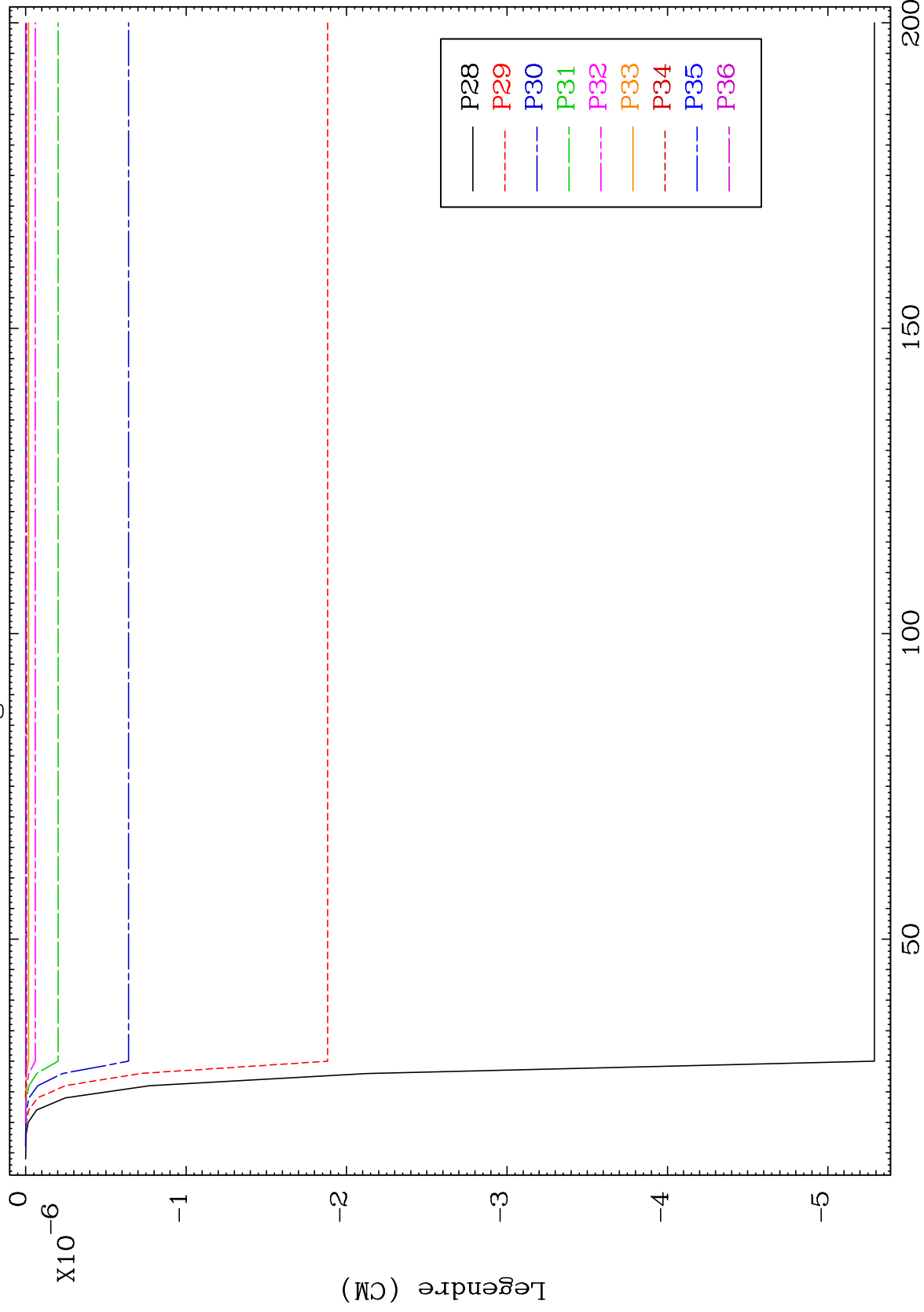
Incident Energy (MeV)

57-La-141

MAT 5734

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

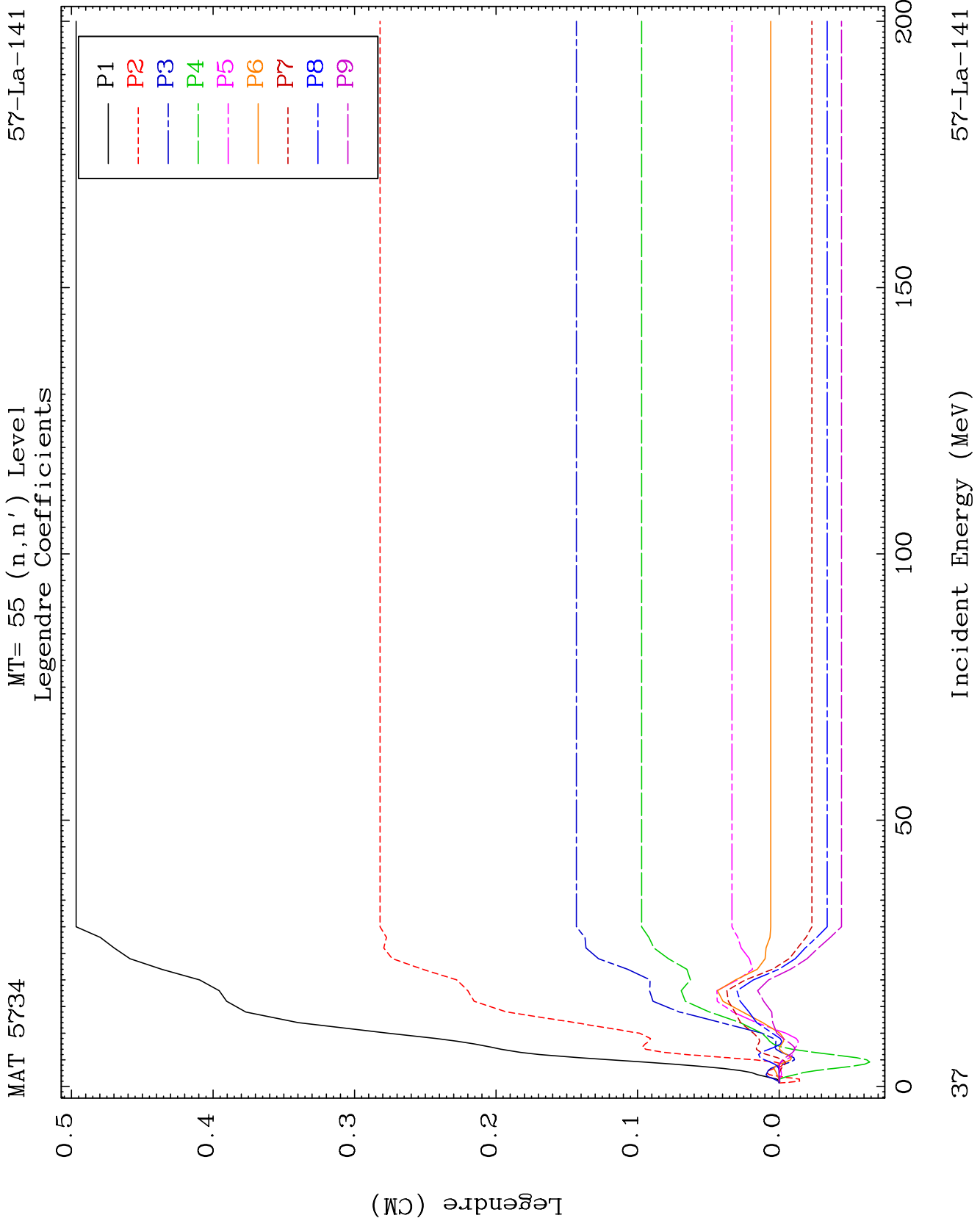
57-La-141

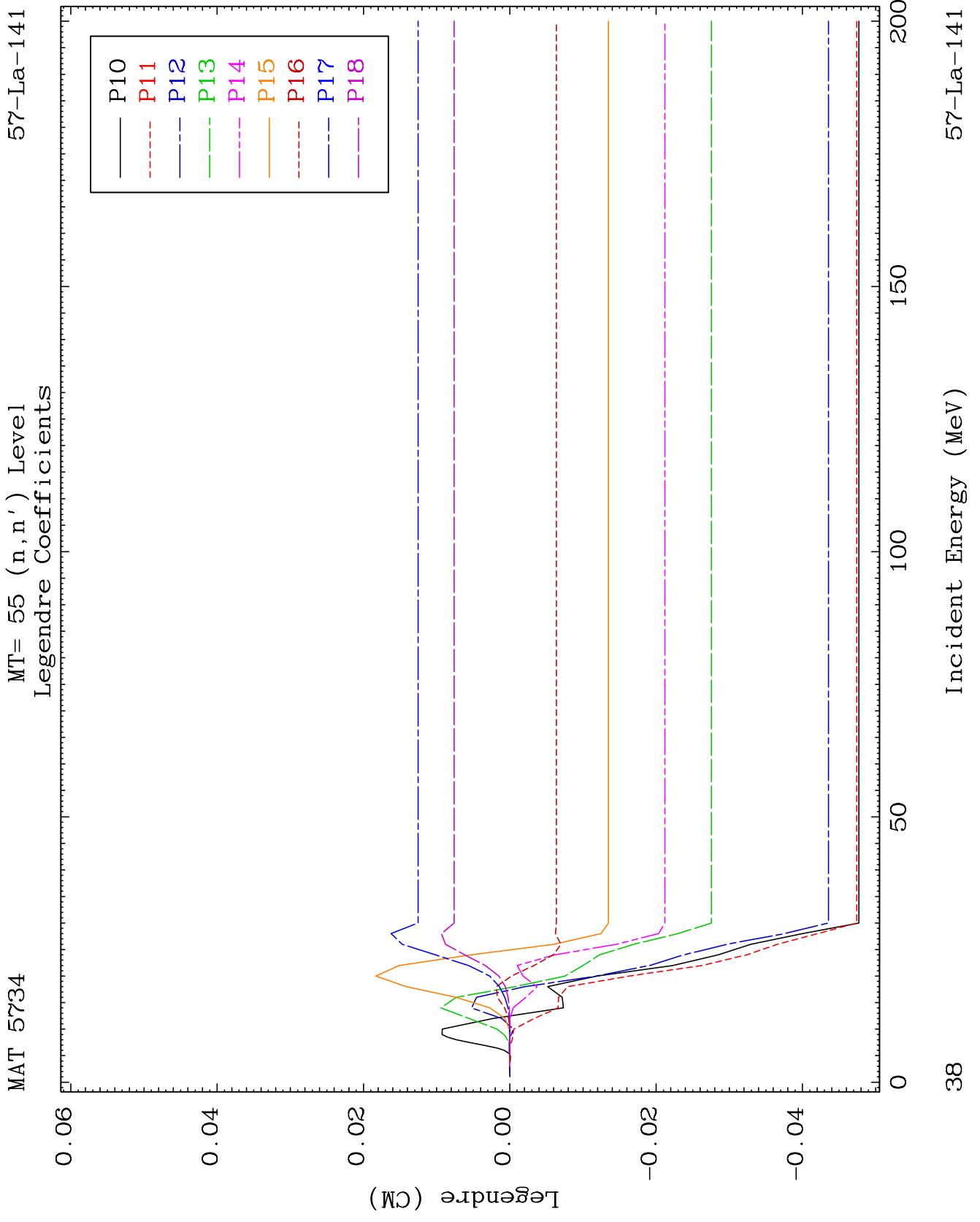


36

Incident Energy (MeV)

57-La-141





57-La-141

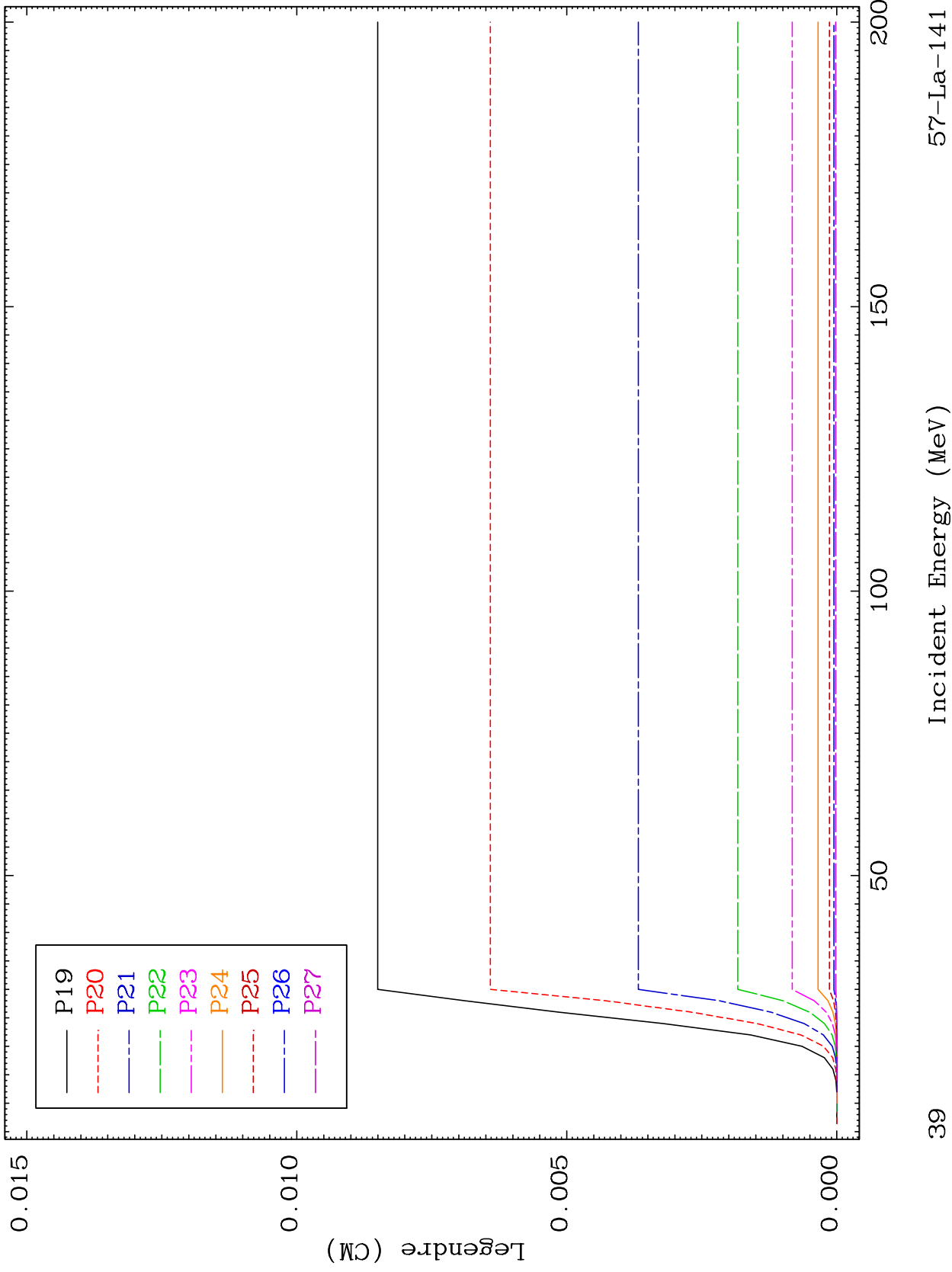
Incident Energy (MeV)

38

MAT 5734

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

57-La-141



39

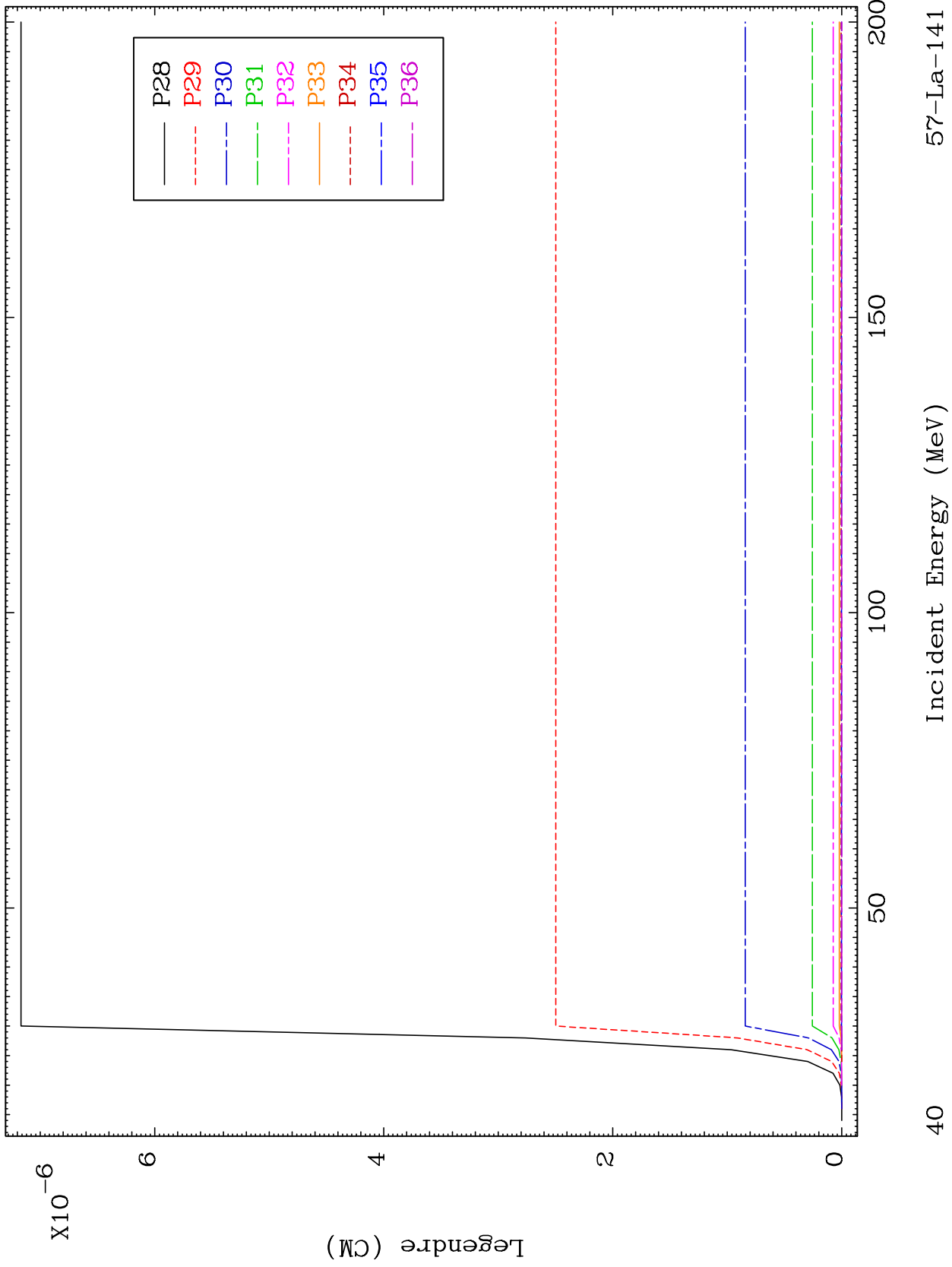
Incident Energy (MeV)

57-La-141

MAT 5734

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

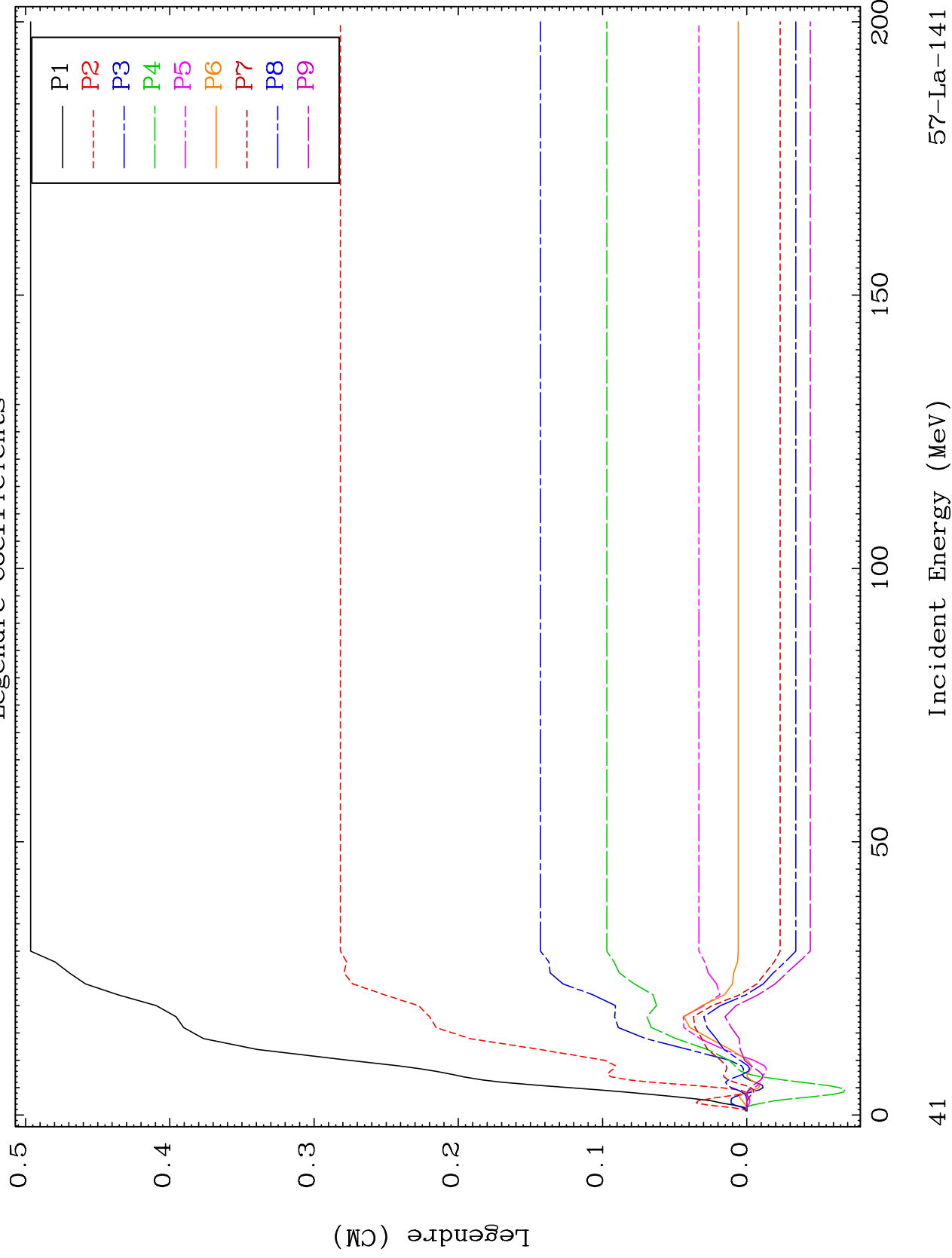
57-La-141



MAT 5734

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

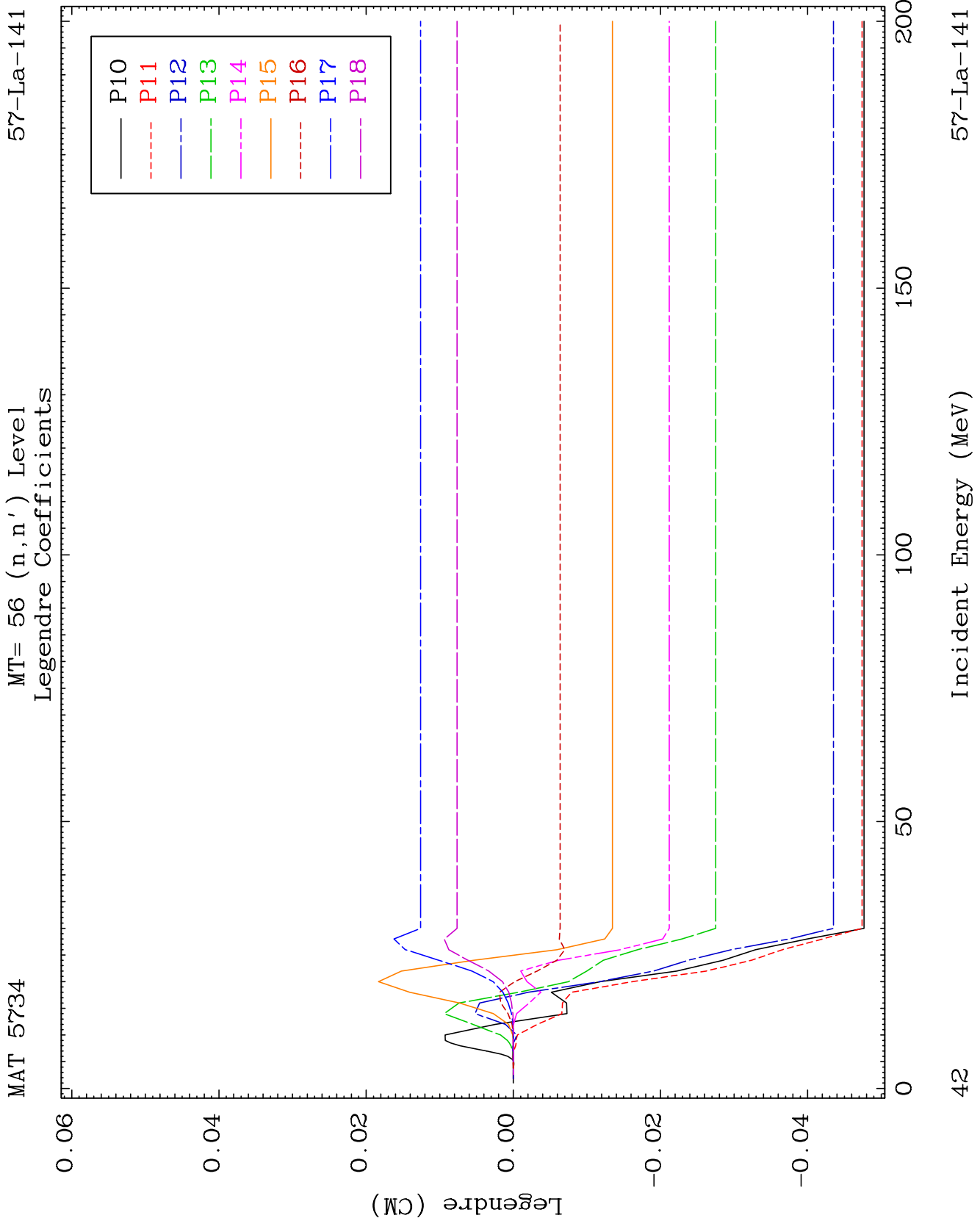
57-La-141



57-La-141

Incident Energy (MeV)

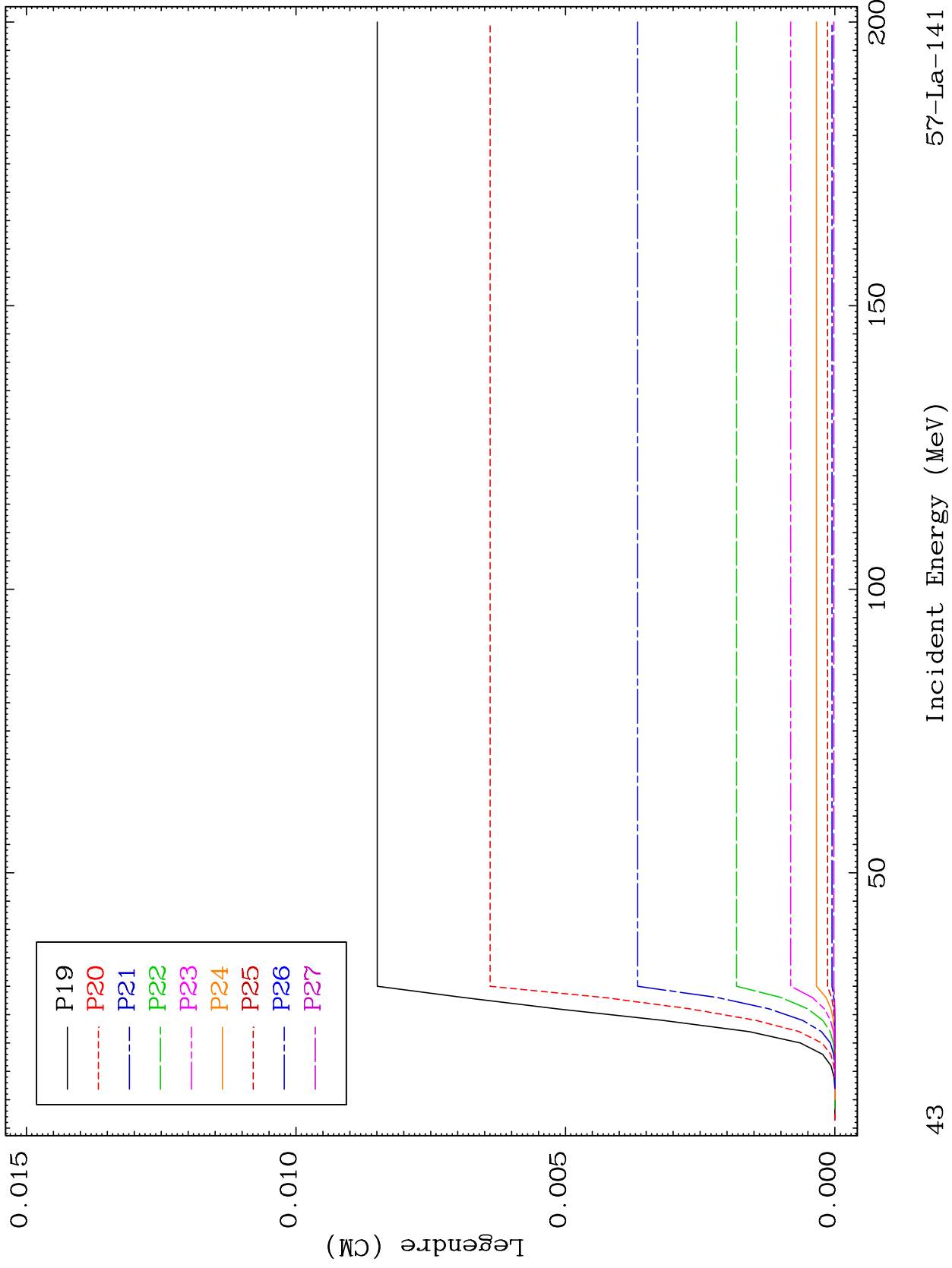
41



MAT 5734

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

57-La-141



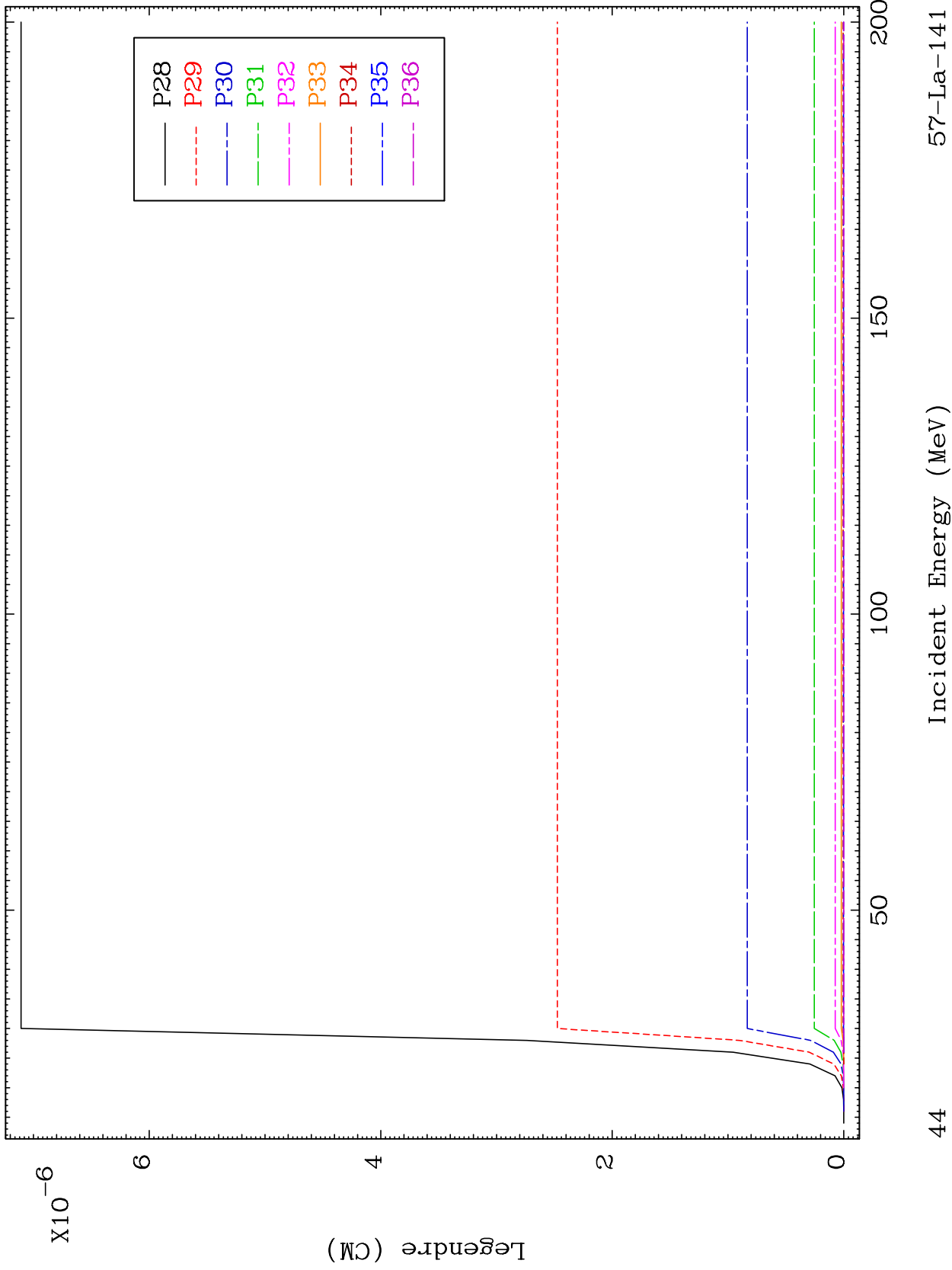
43

57-La-141

MAT 5734

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

57-La-141



44

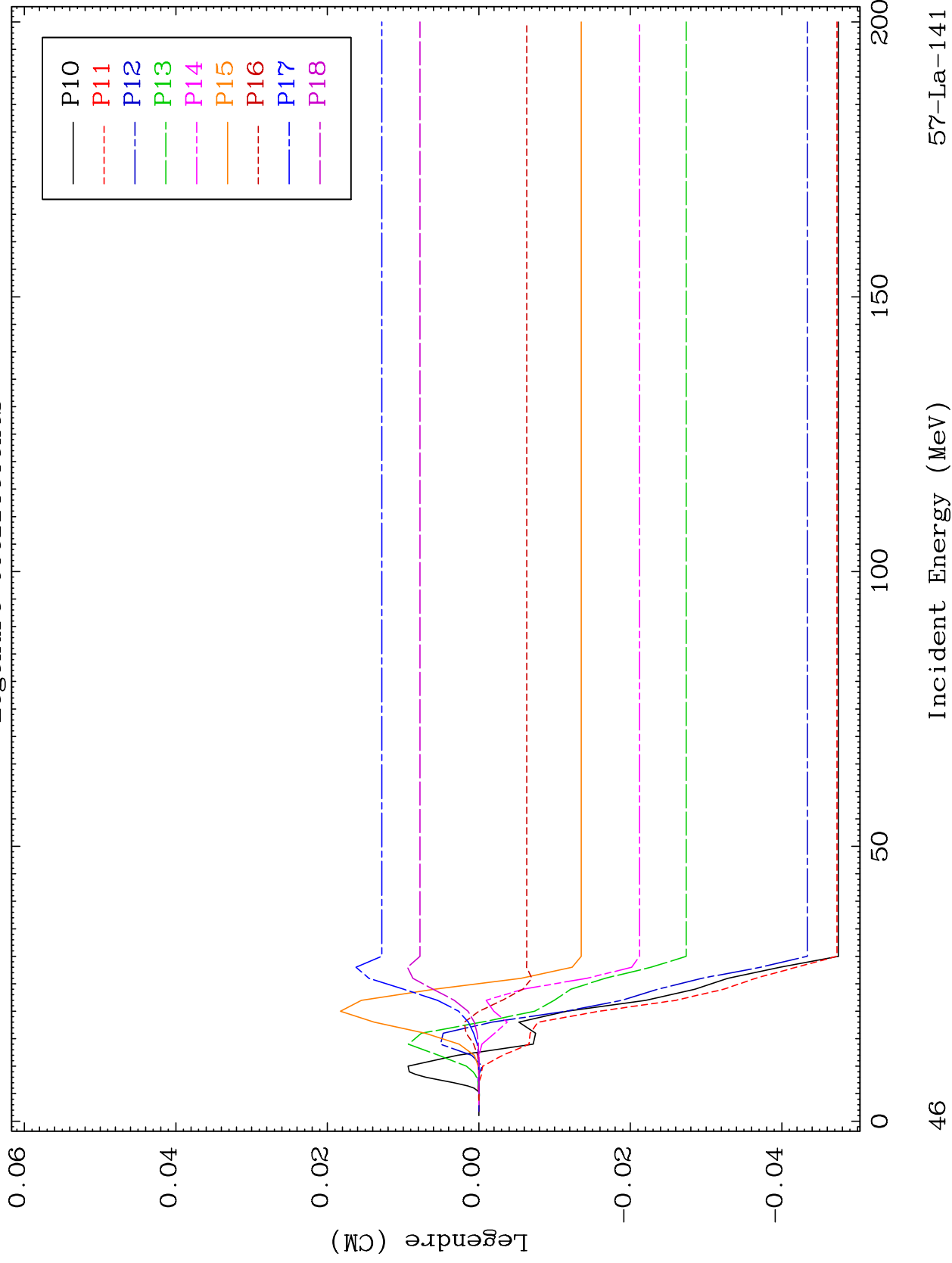
Incident Energy (MeV)

57-La-141

MAT 5734

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

57-La-141



57-La-141

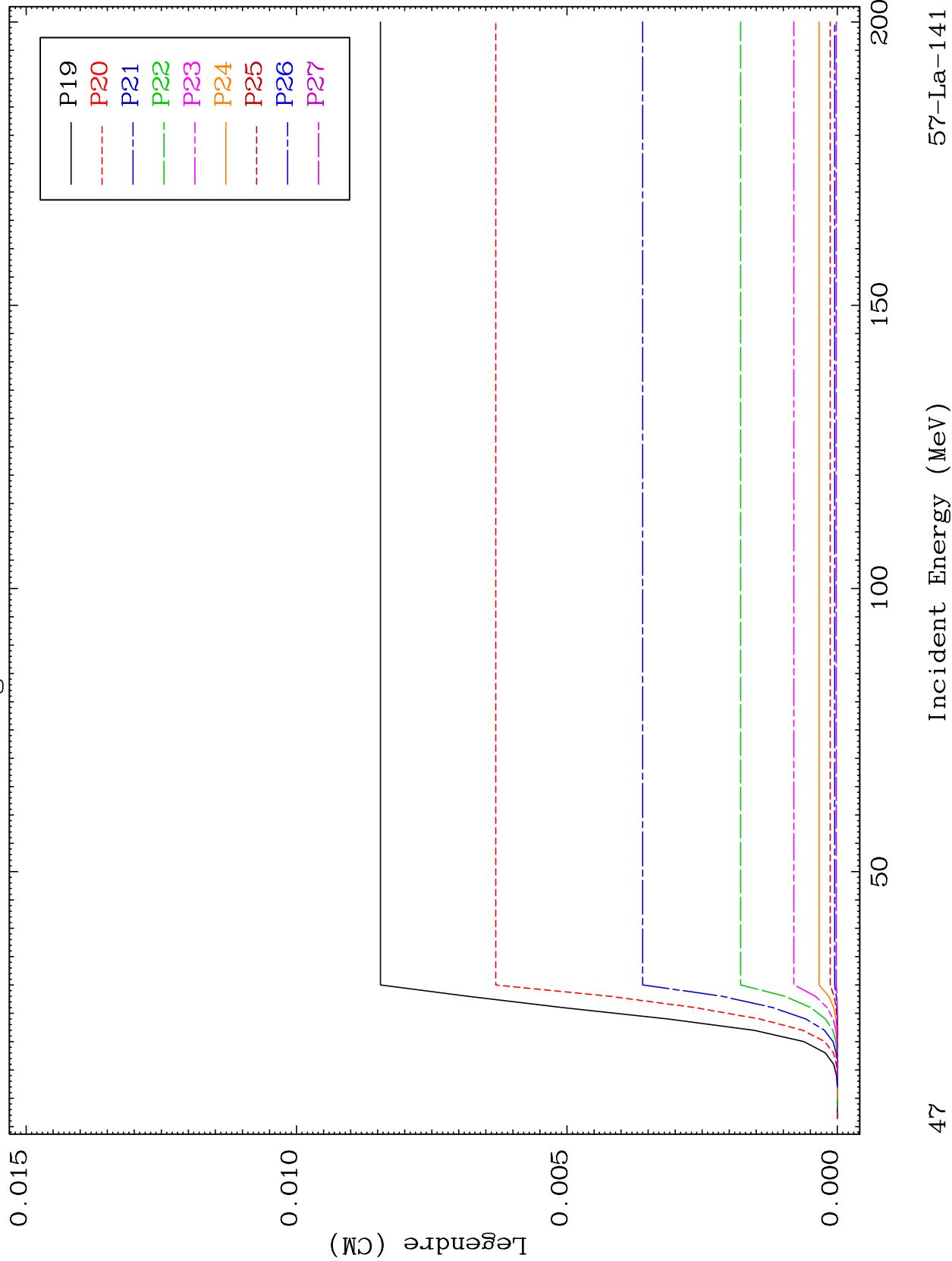
Incident Energy (MeV)

46

MAT 5734

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

57-La-141



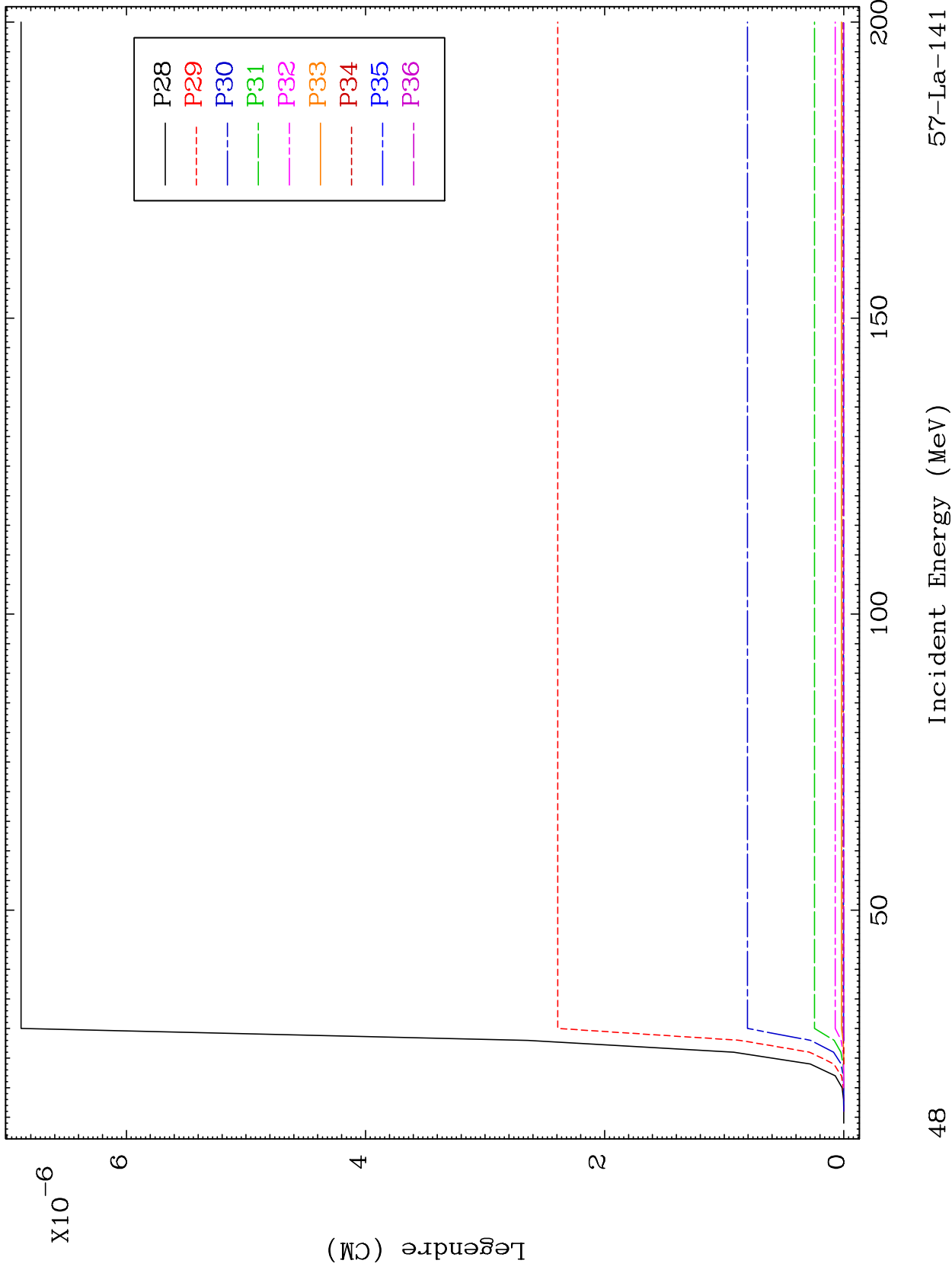
47

57-La-141

MAT 5734

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

57-La-141



48

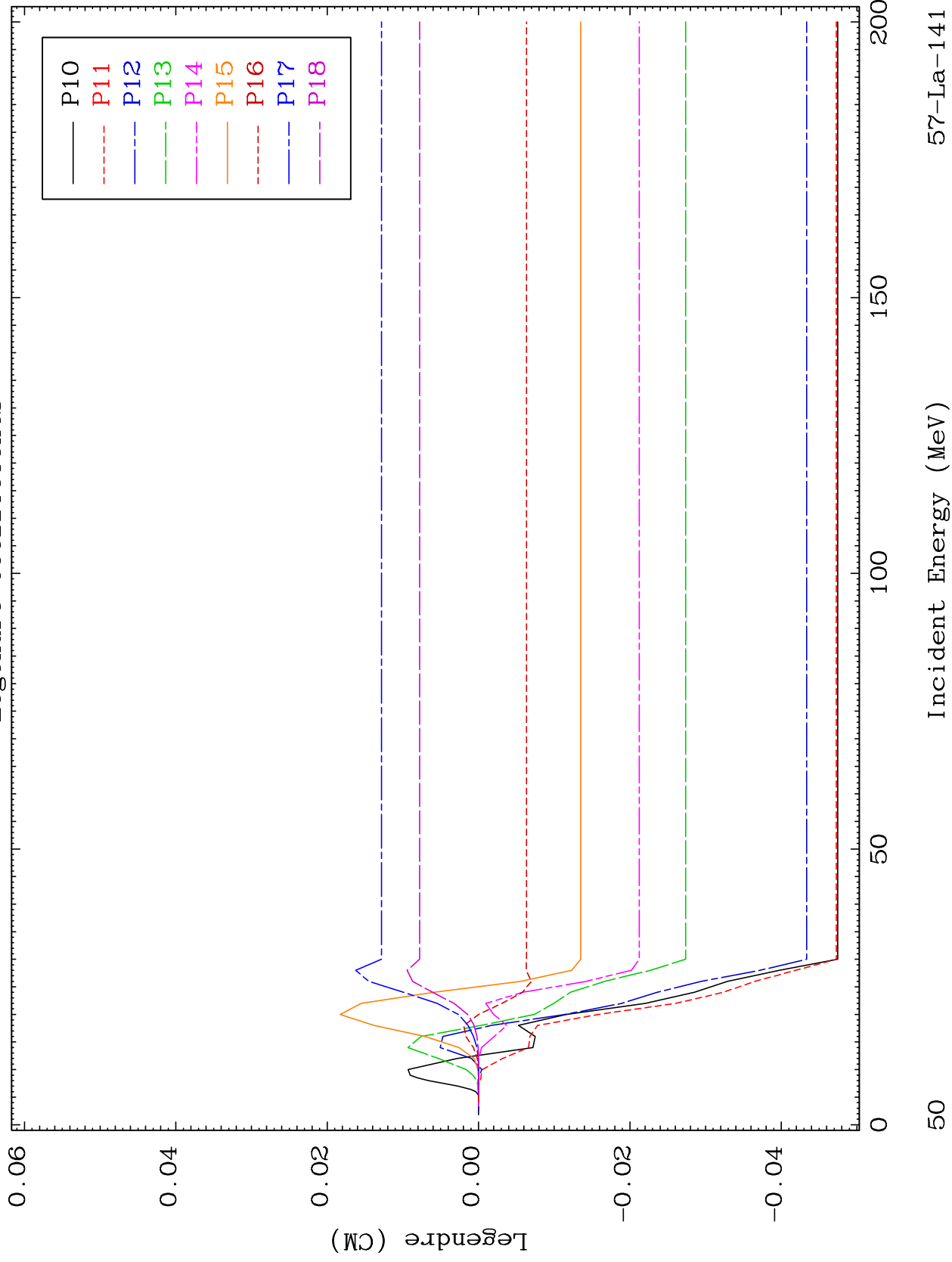
Incident Energy (MeV)

57-La-141

MAT 5734

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

57-La-141



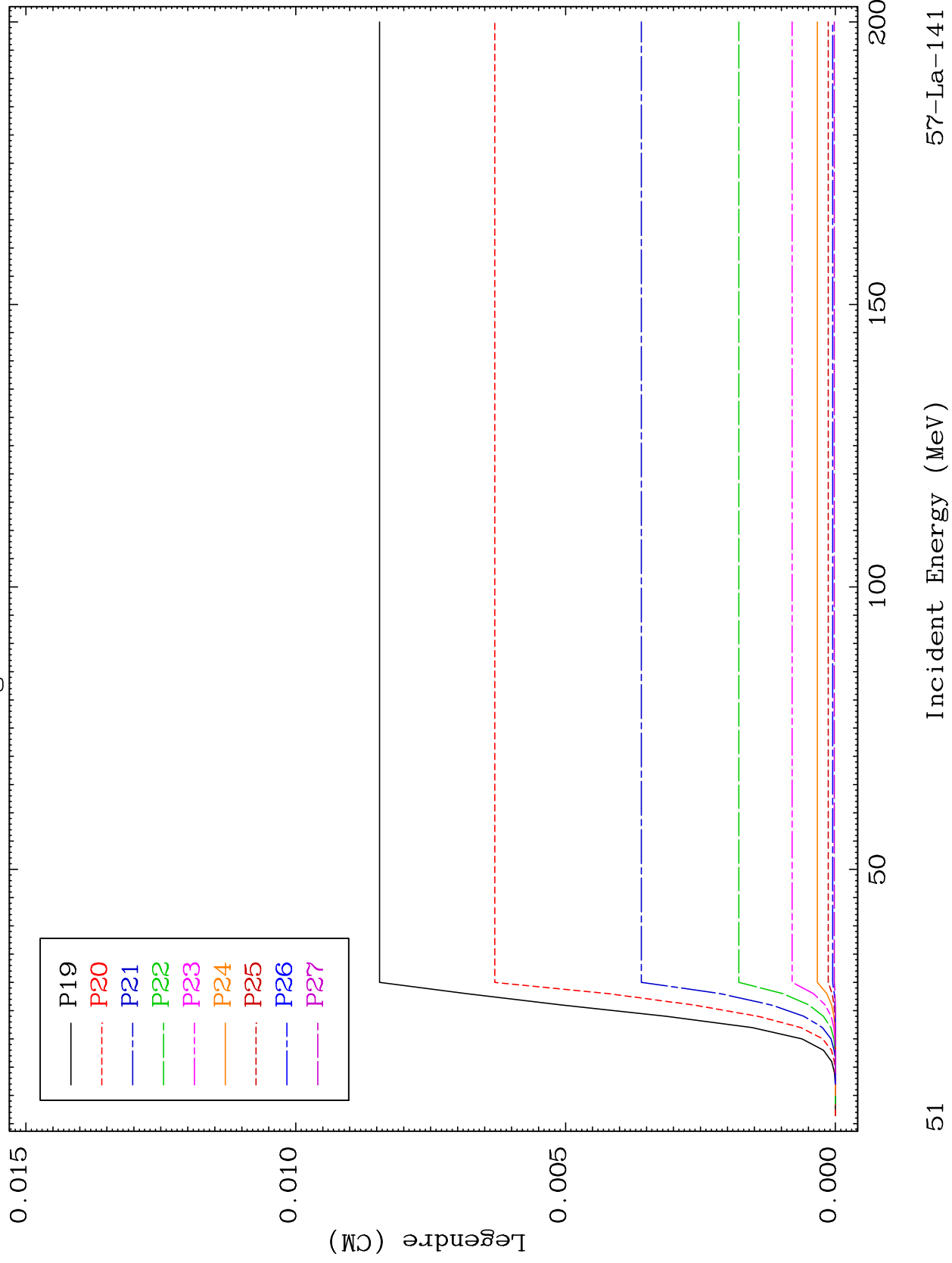
57-La-141

Incident Energy (MeV)

MAT 5734

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

57-La-141



51

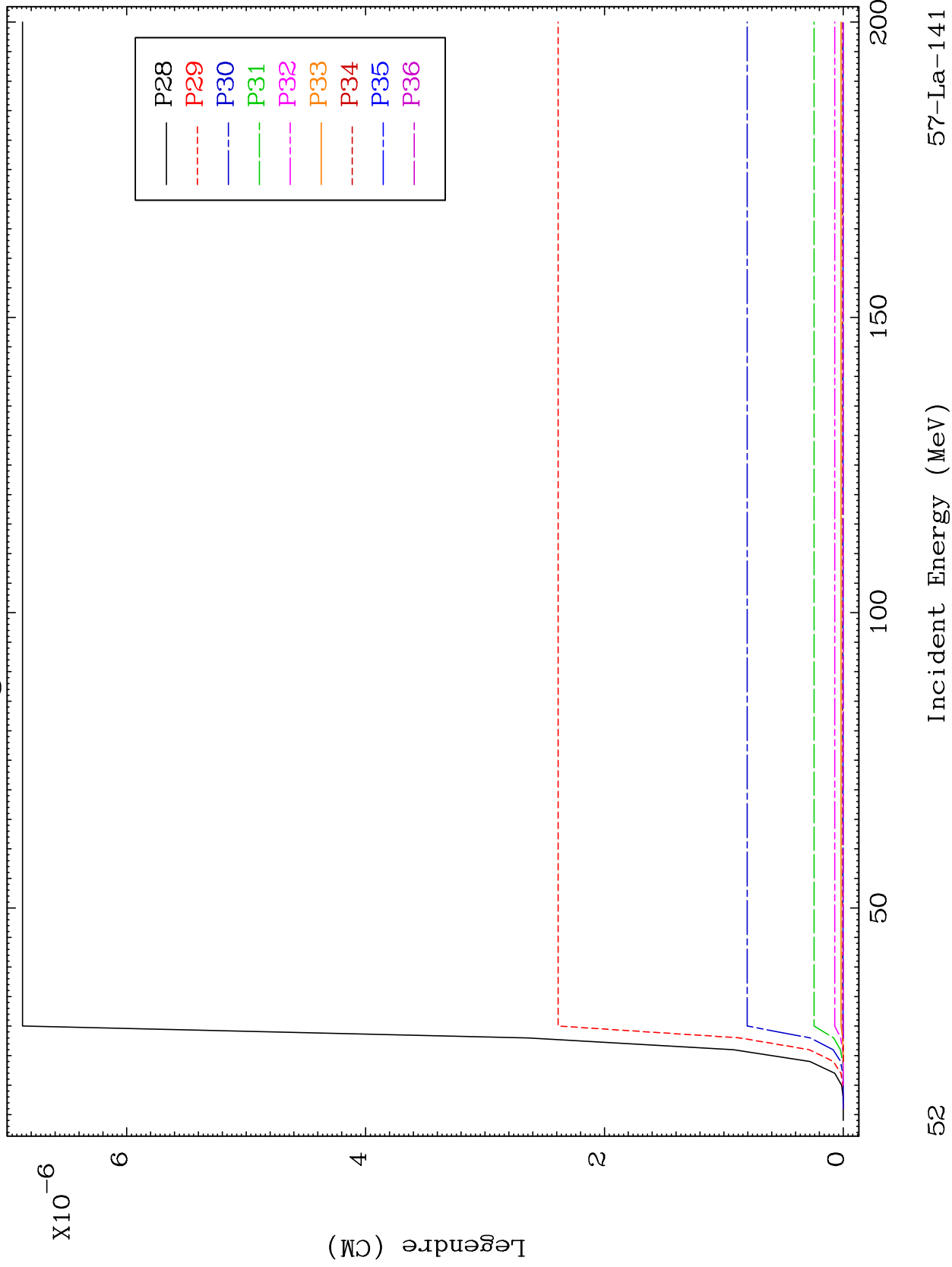
Incident Energy (MeV)

57-La-141

MAT 5734

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

57-La-141



52

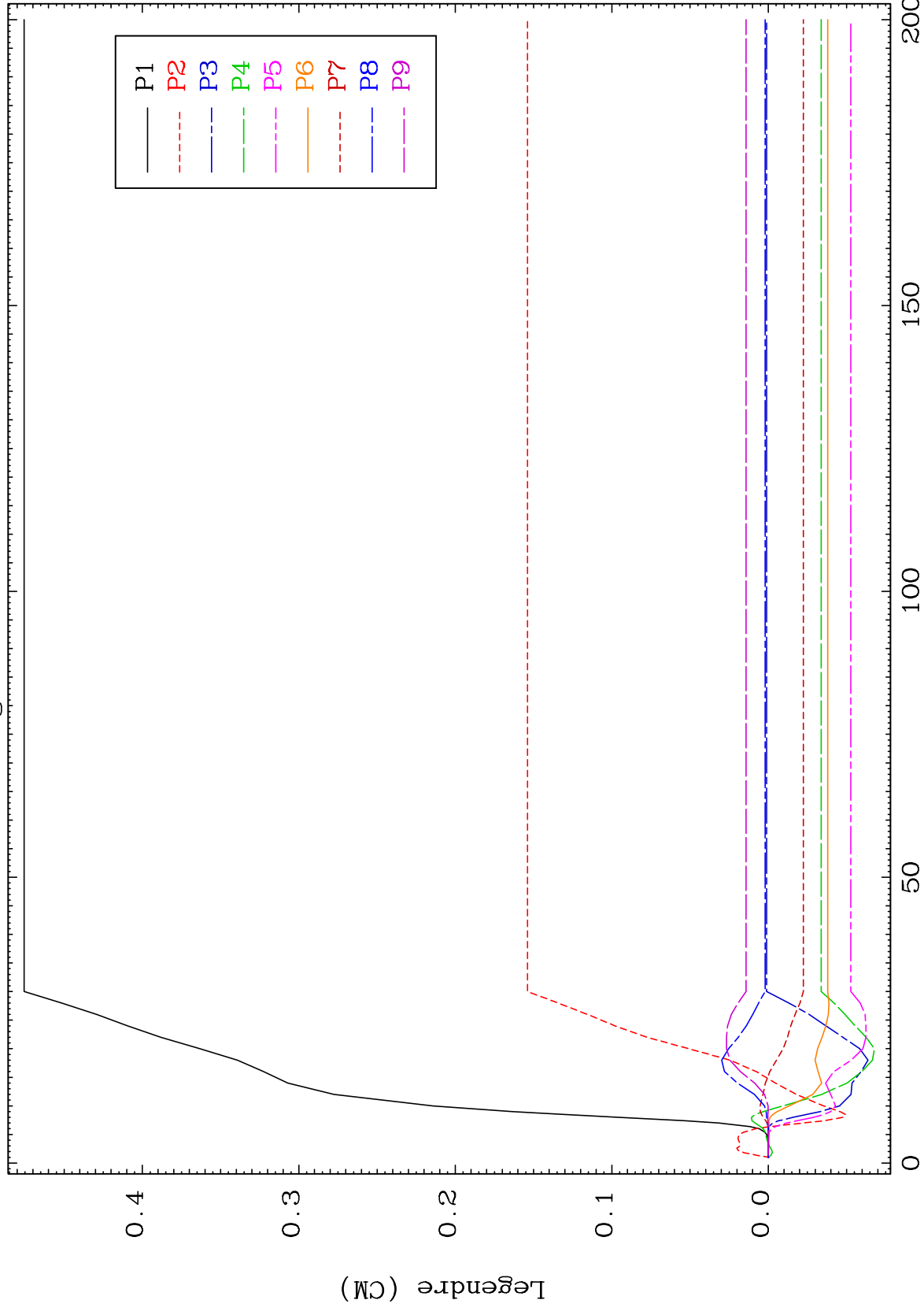
Incident Energy (MeV)

57-La-141

MAT 5734

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

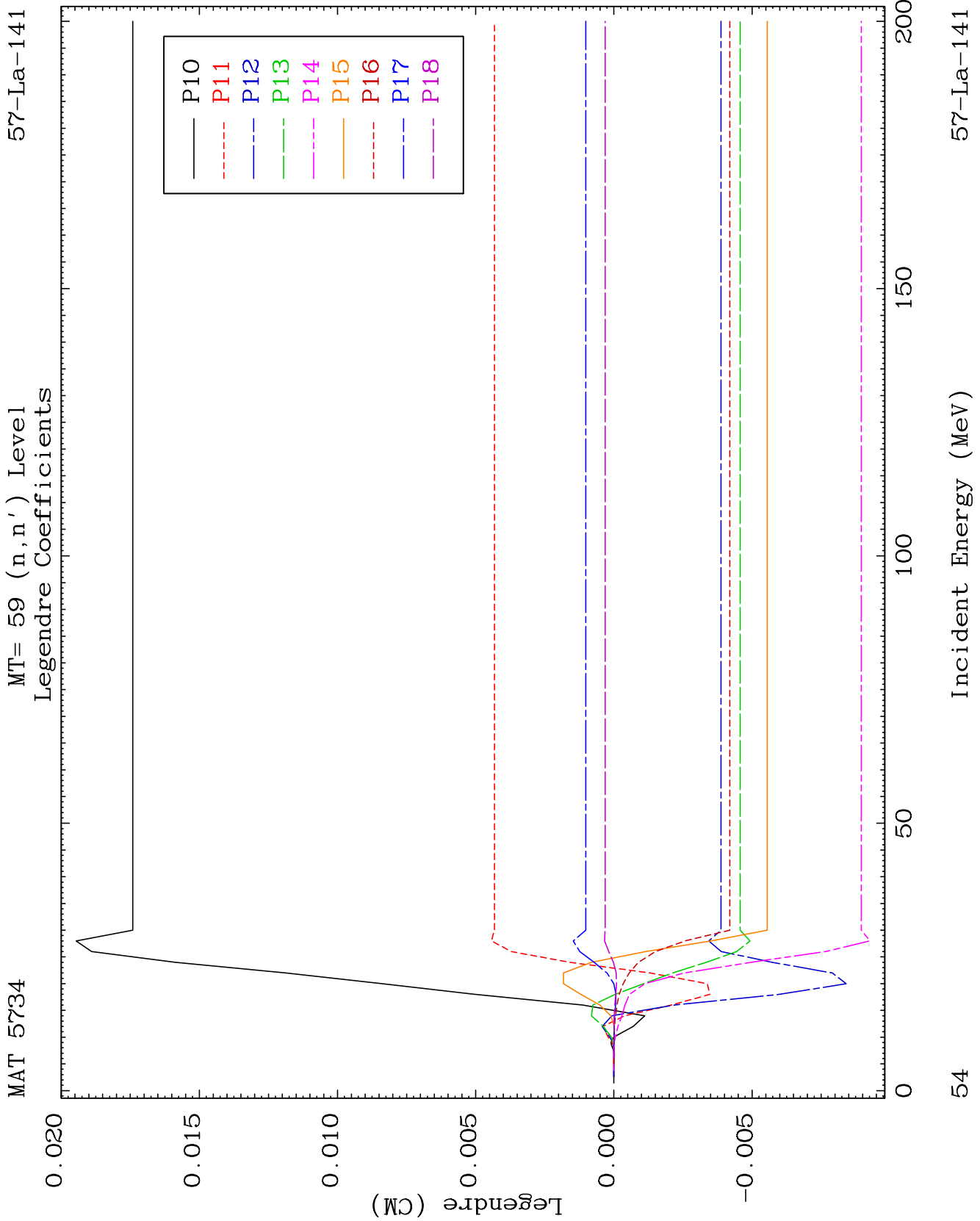
57-La-141



57-La-141

Incident Energy (MeV)

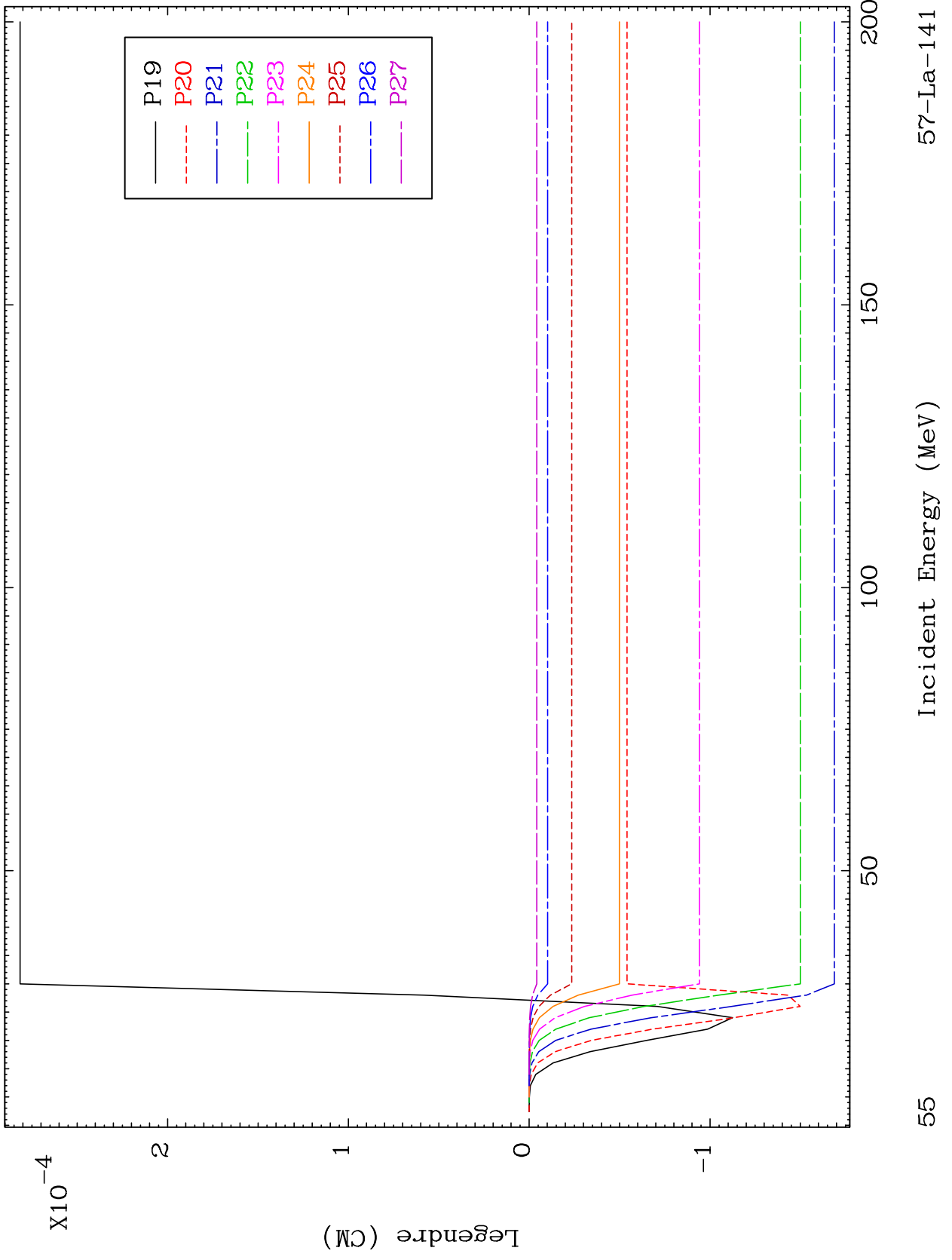
53



MAT 5734

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

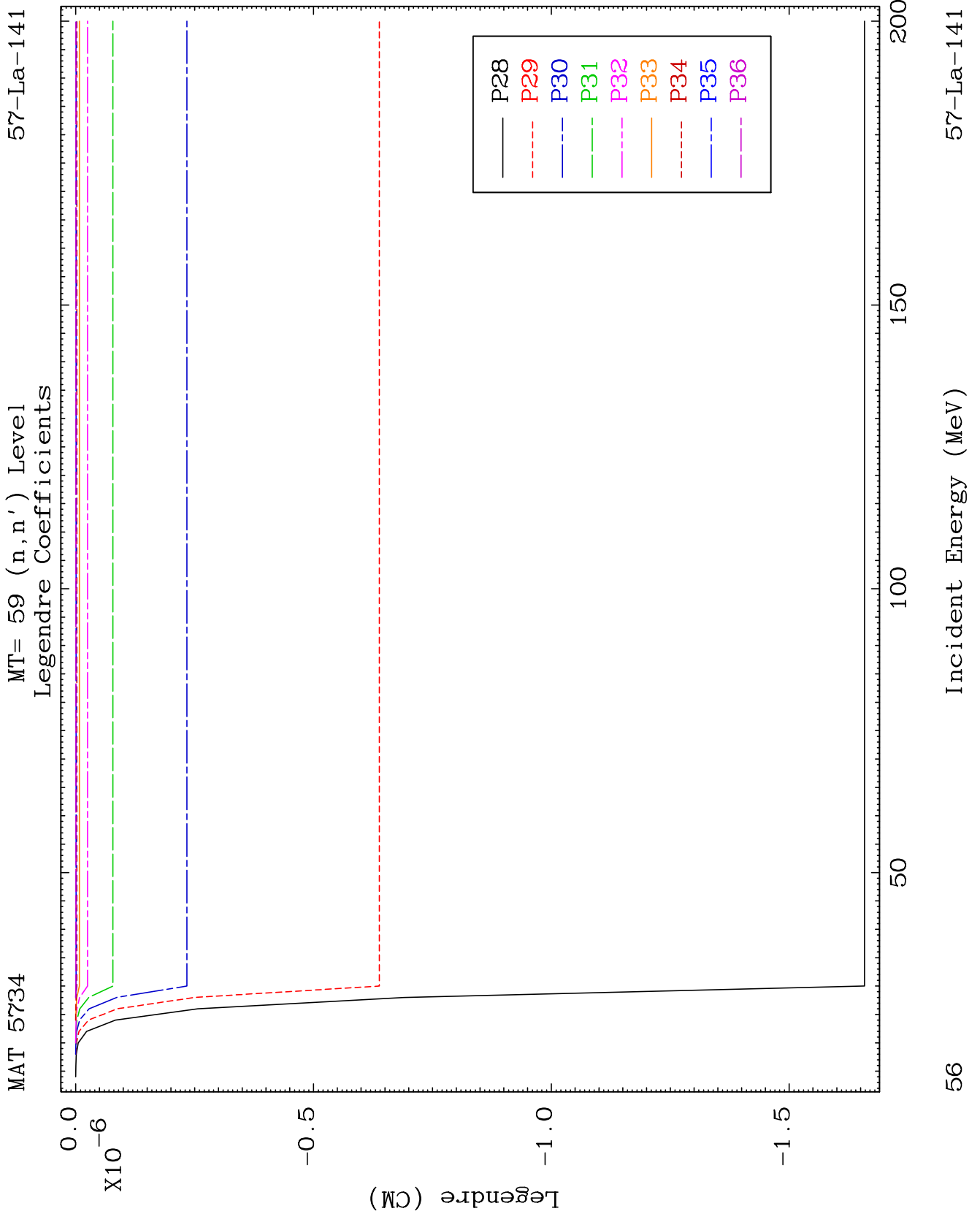
57-La-141



55

Incident Energy (MeV)

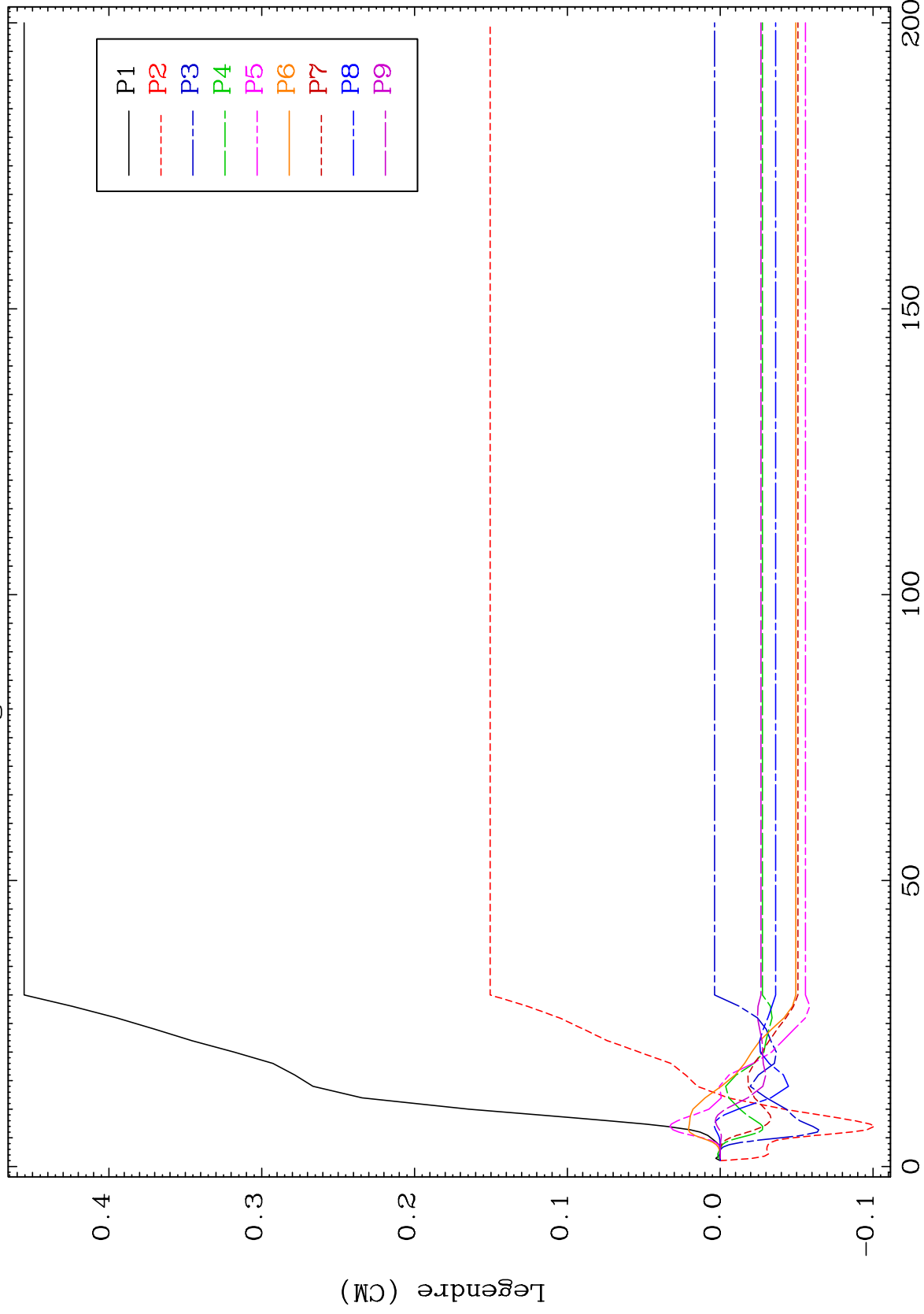
57-La-141



MAT 5734

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

57-La-141



57

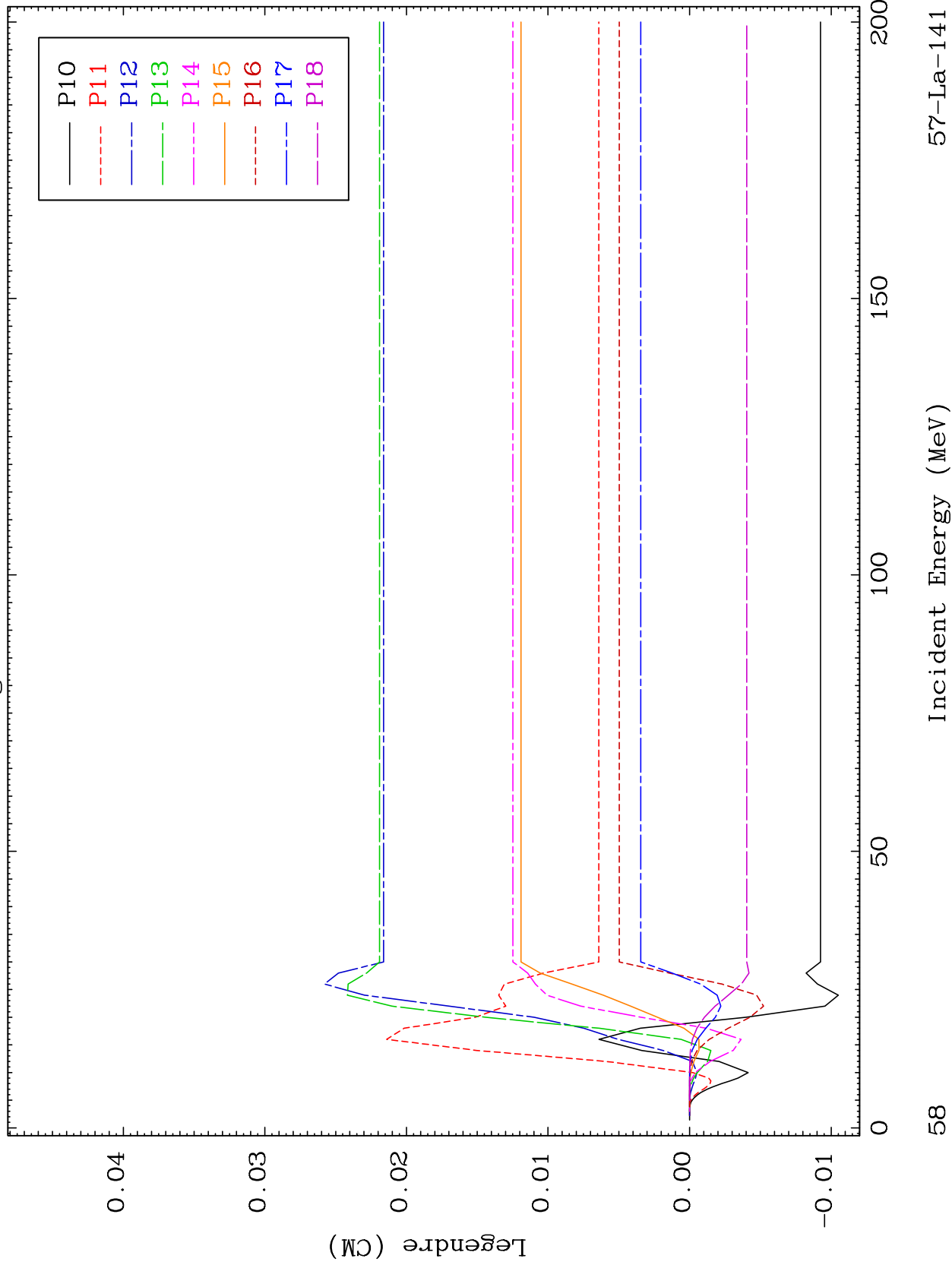
Incident Energy (MeV)

57-La-141

MAT 5734

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

57-La-141



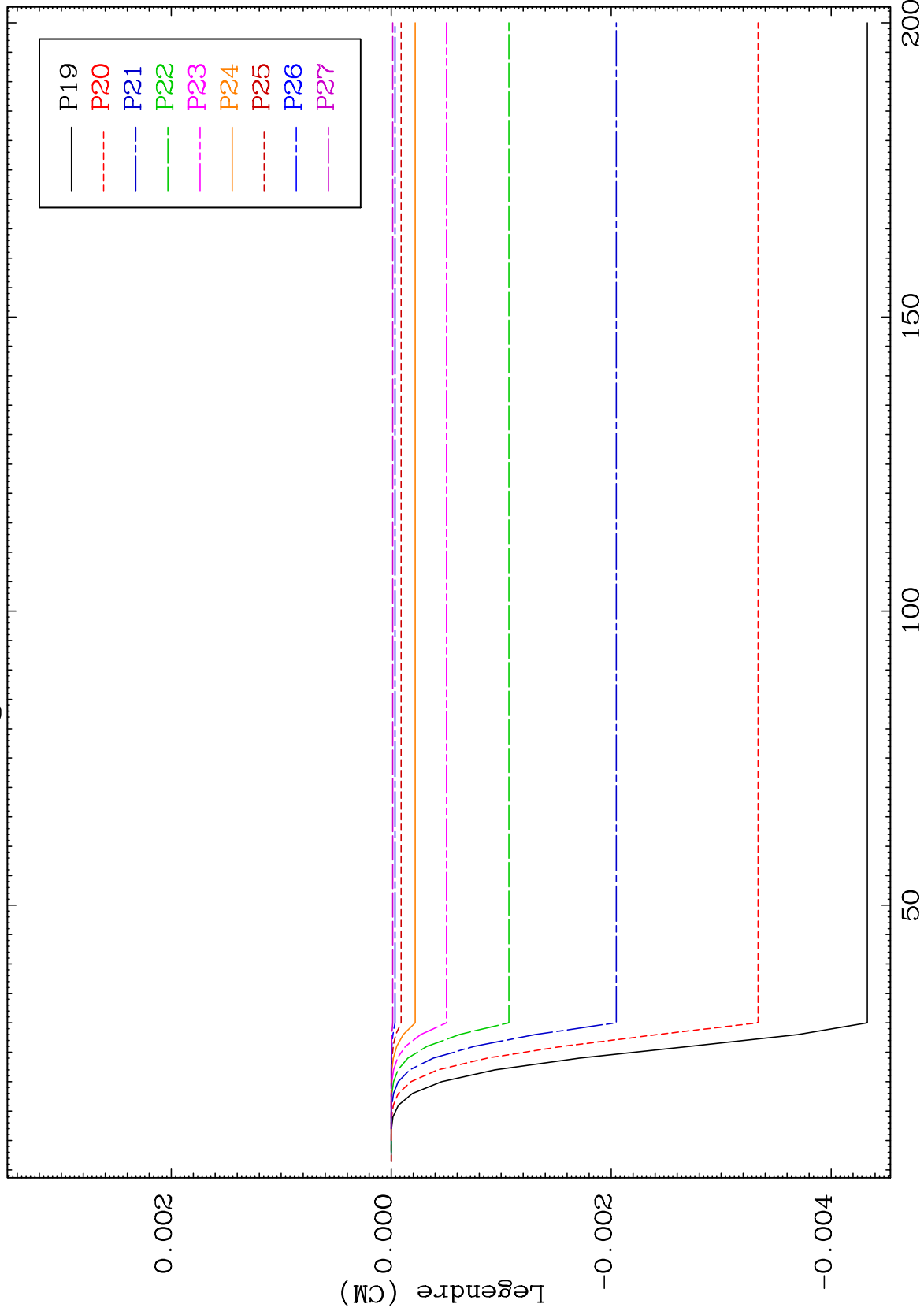
58

57-La-141

MAT 5734

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

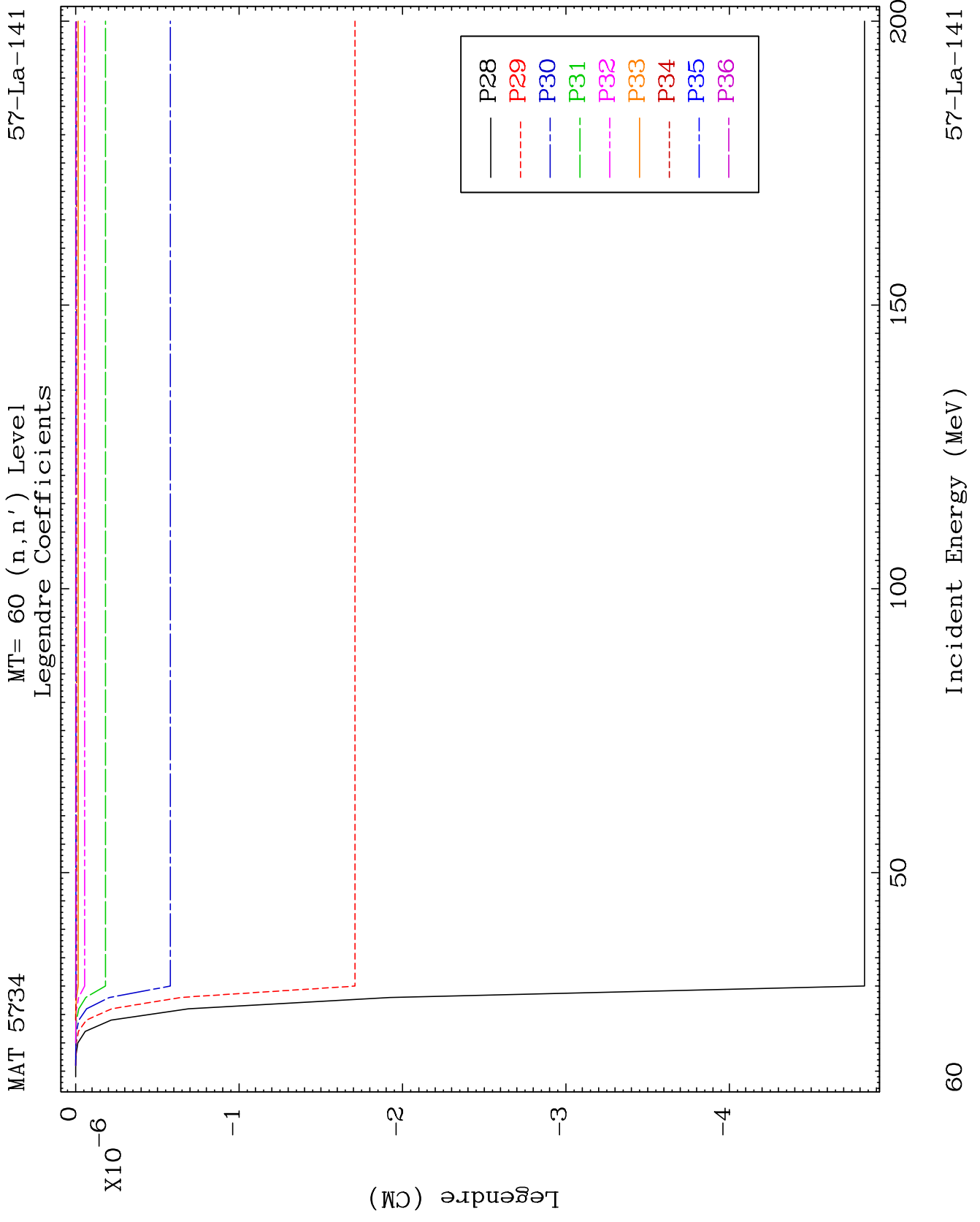
57-La-141



59

Incident Energy (MeV)

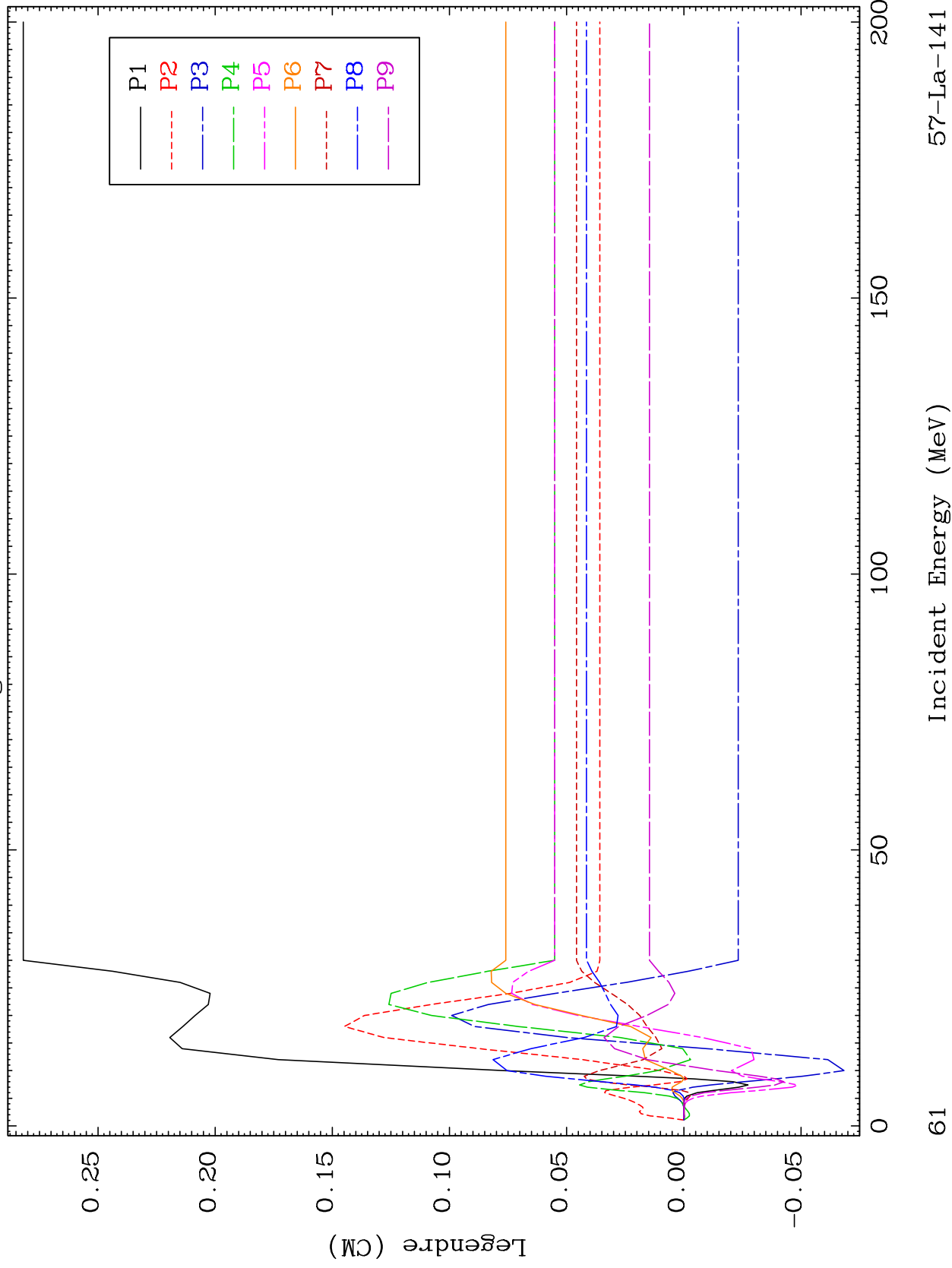
57-La-141



MAT 5734

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

57-La-141



57-La-141

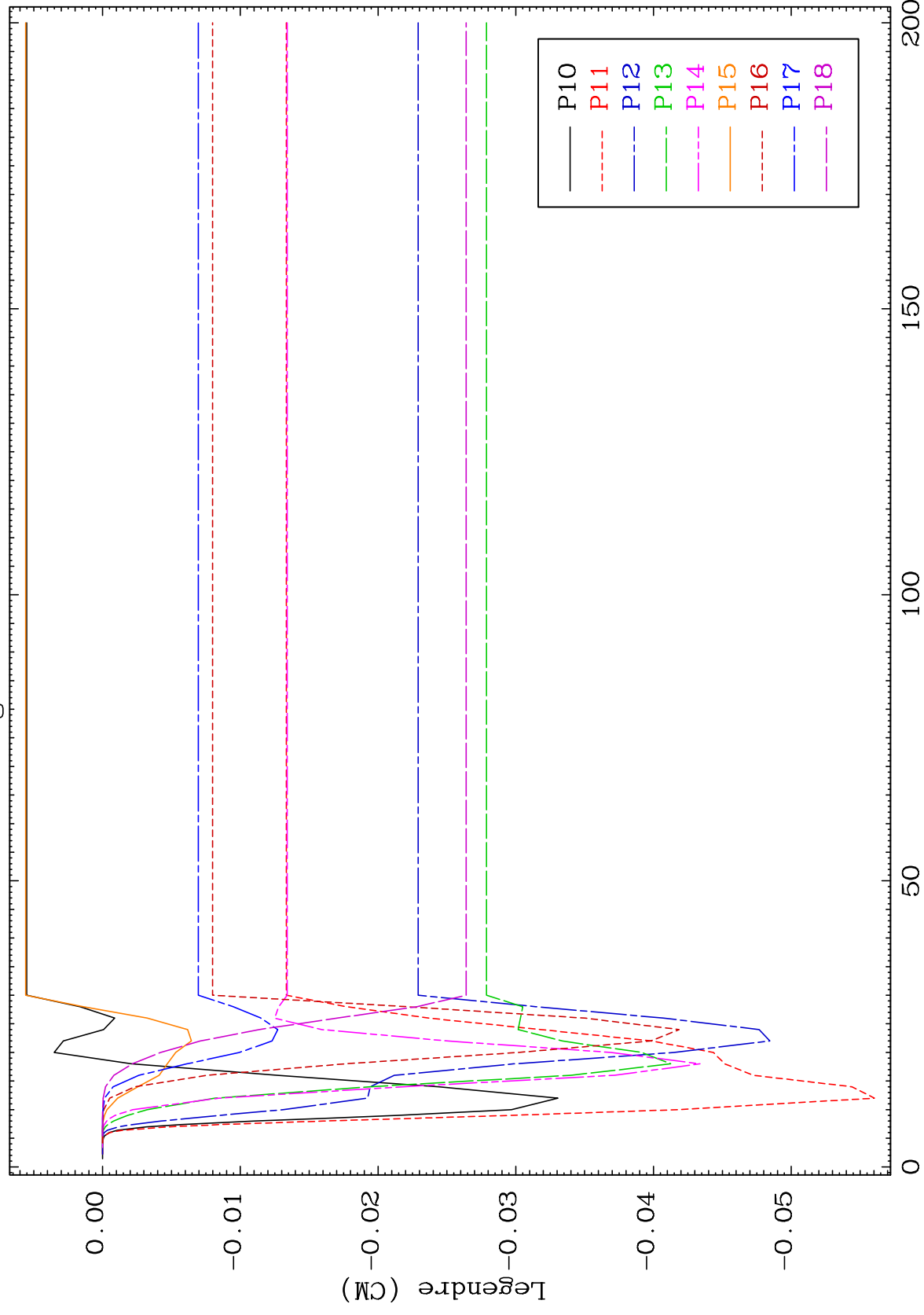
Incident Energy (MeV)

61

MAT 5734

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

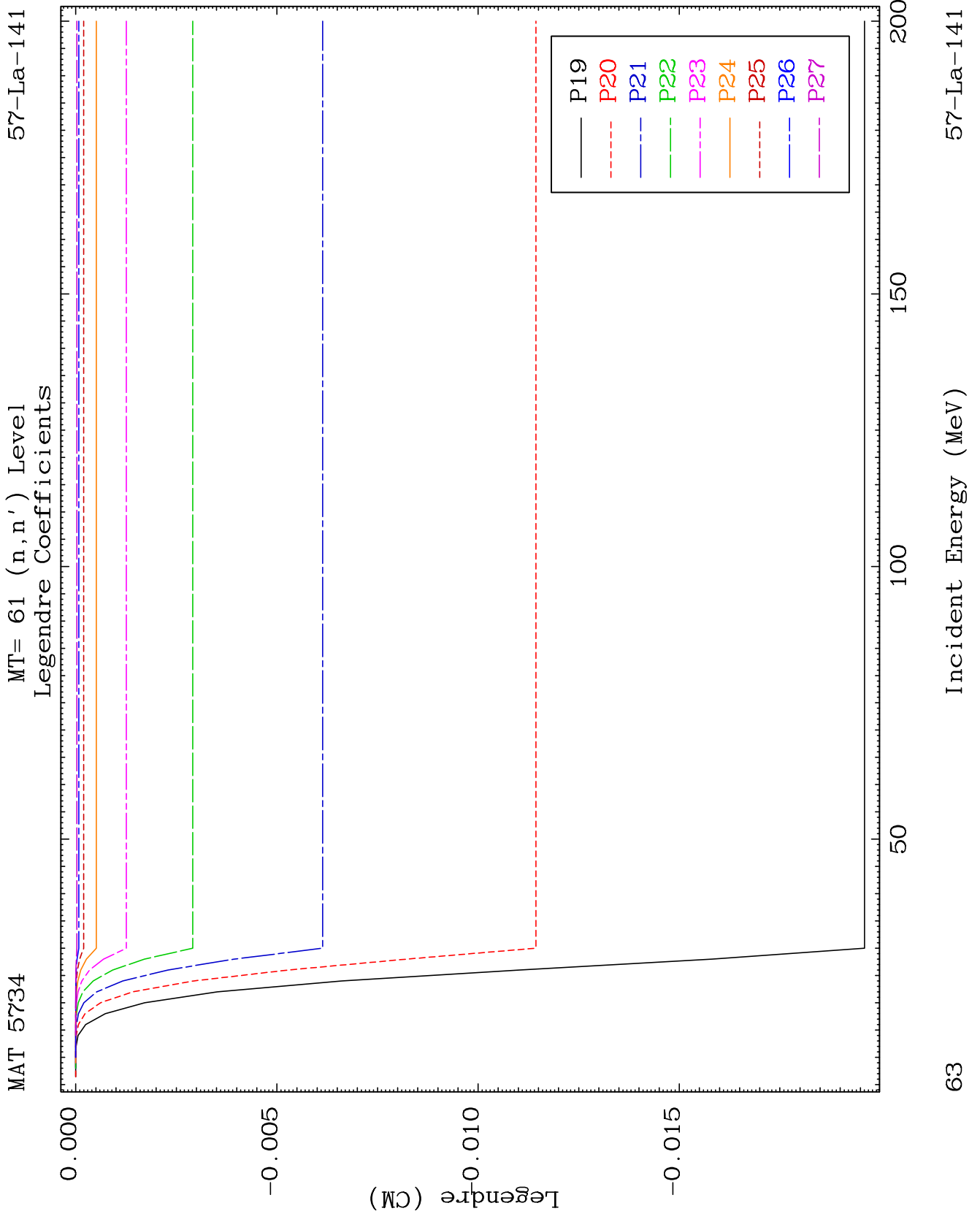
57-La-141

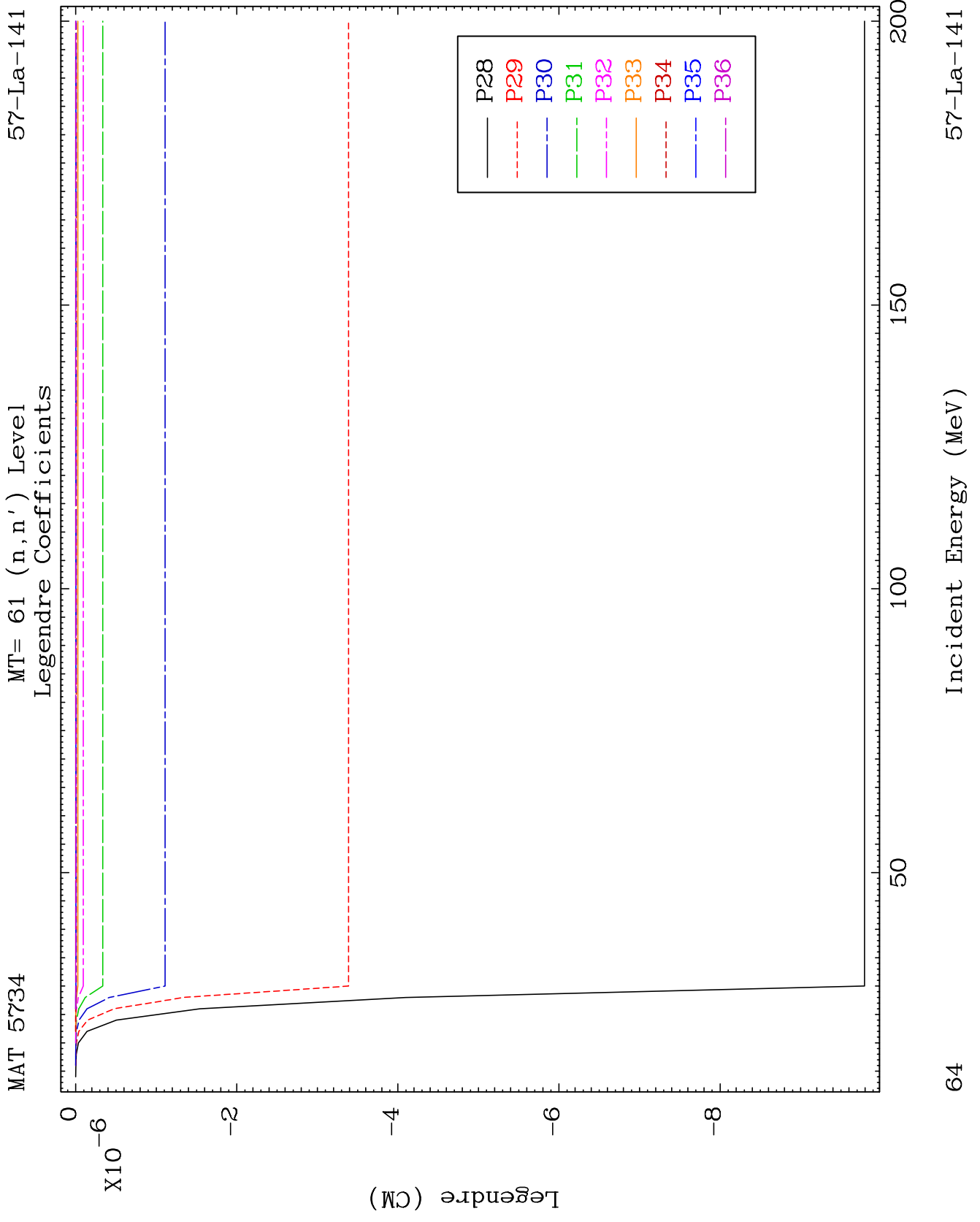


62

Incident Energy (MeV)

57-La-141

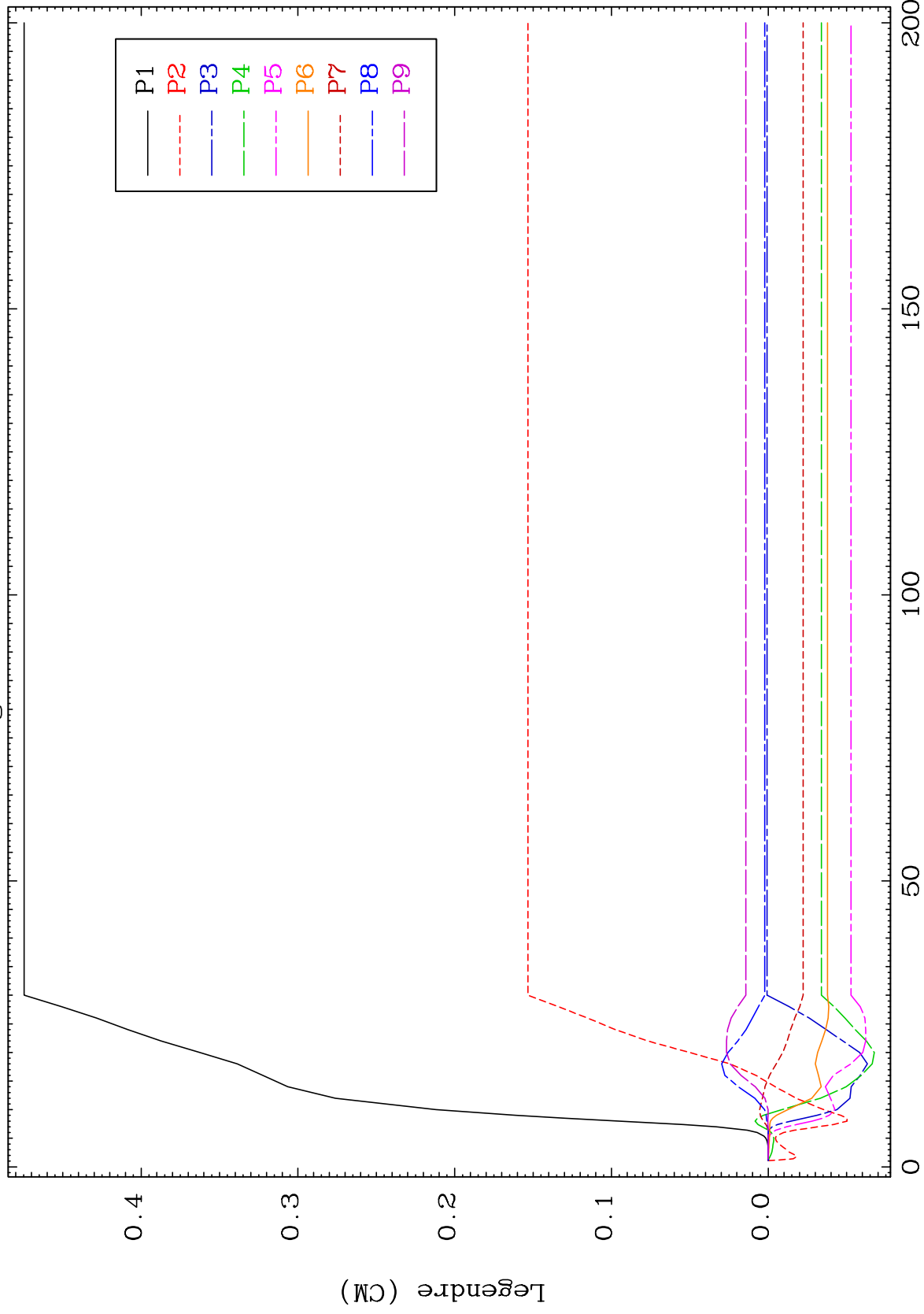




MAT 5734

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

57-La-141



65

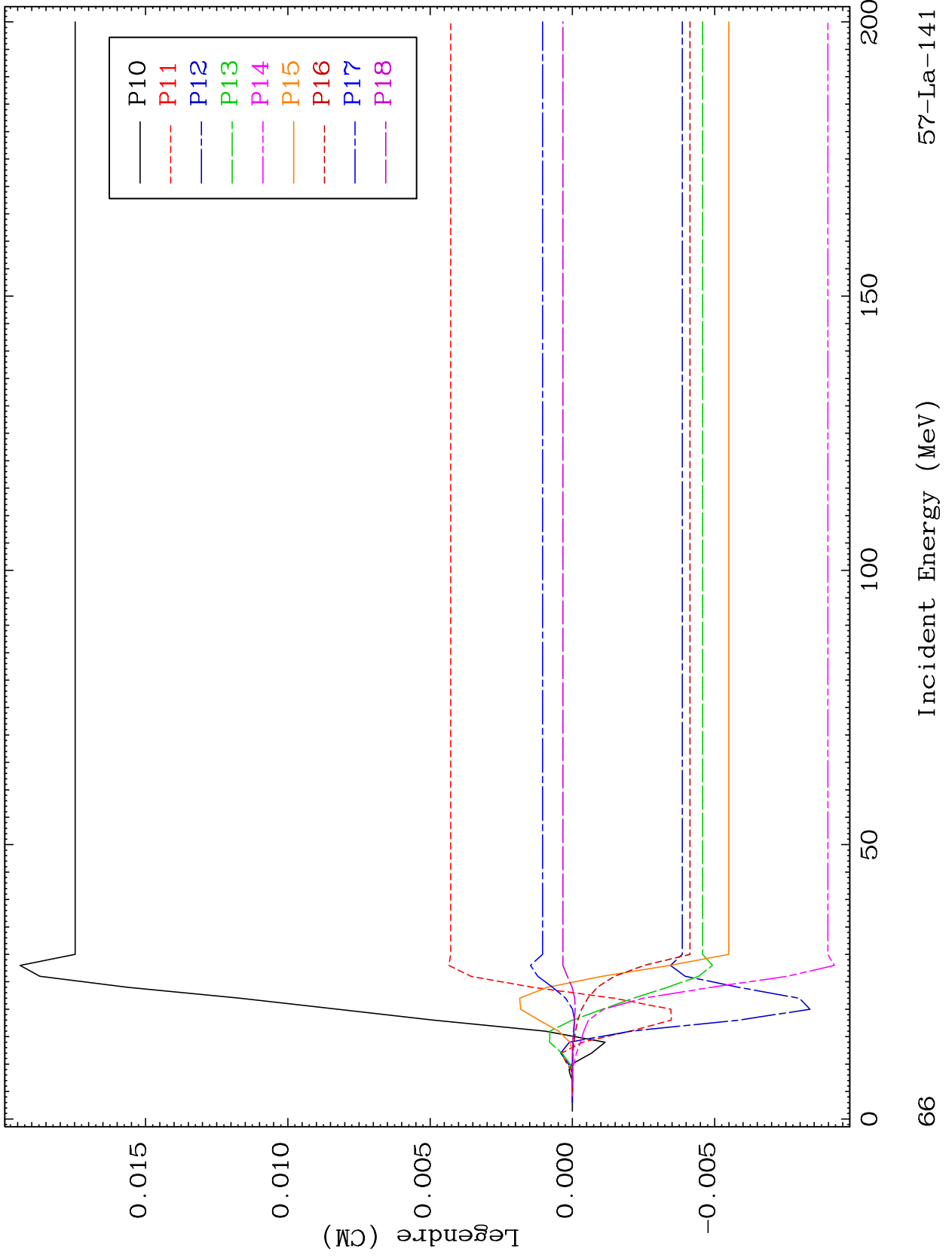
Incident Energy (MeV)

57-La-141

MAT 5734

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

57-La-141



66

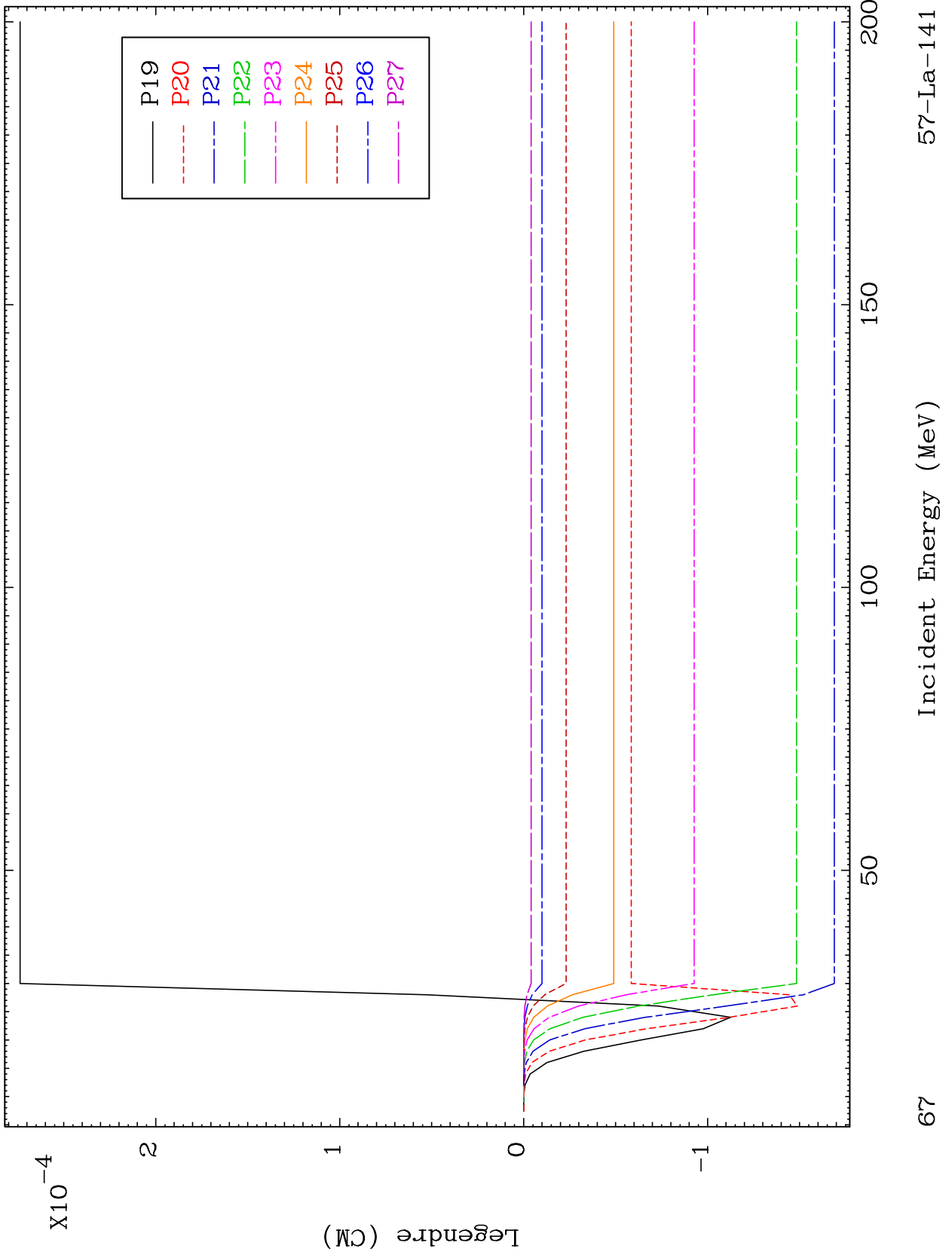
Incident Energy (MeV)

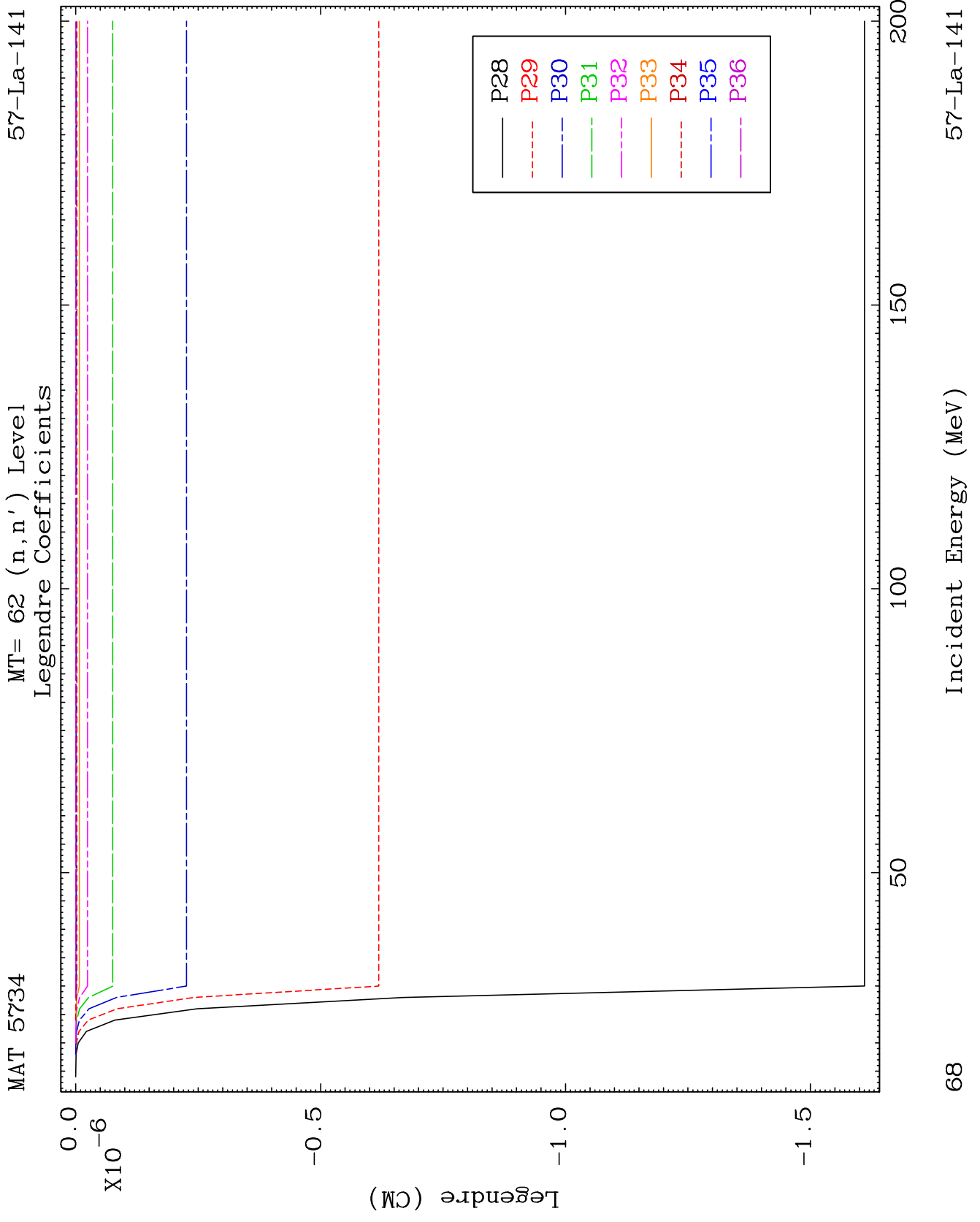
57-La-141

MAT 5734

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

57-La-141

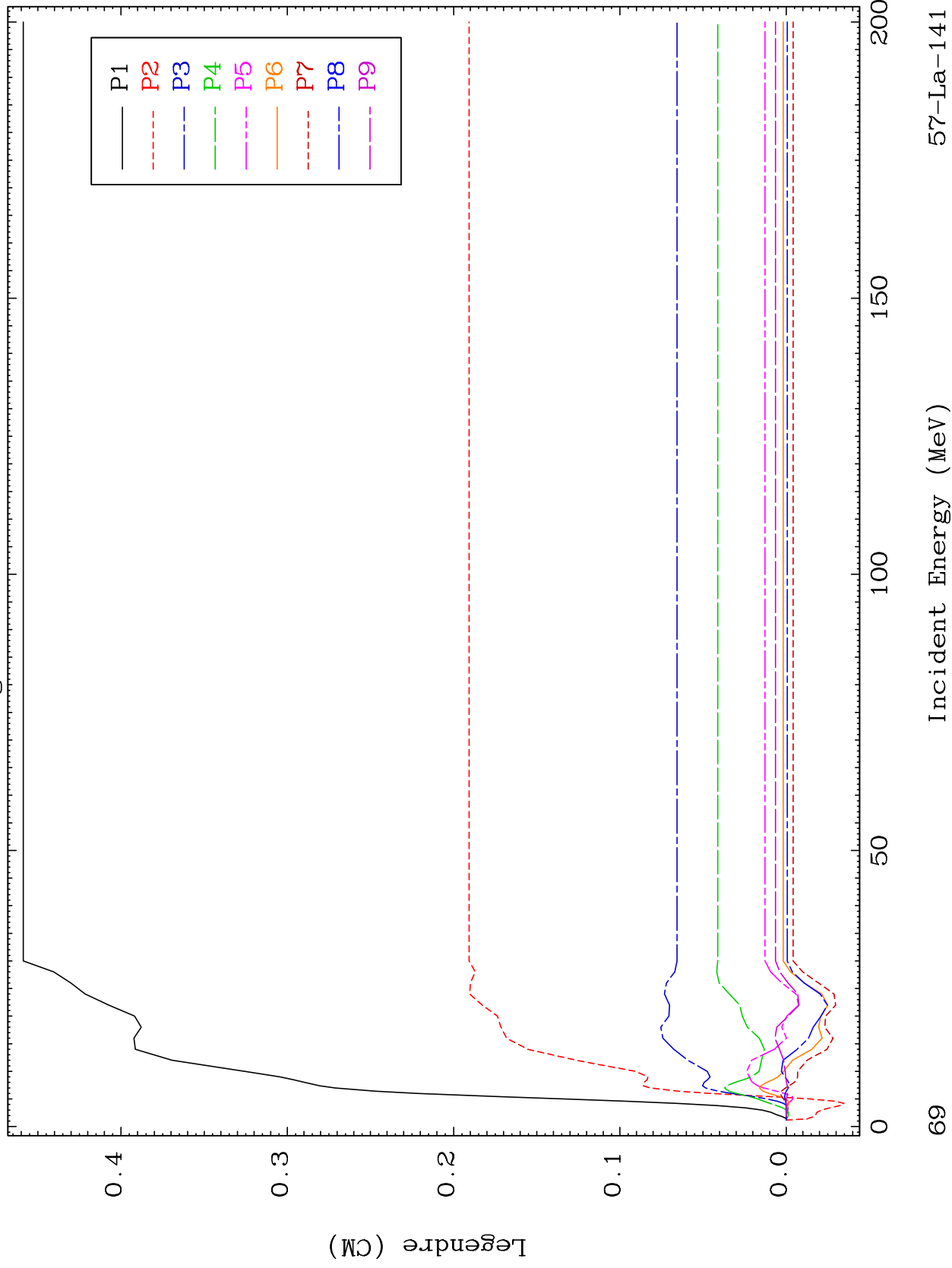




MAT 5734

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

57-La-141



57-La-141

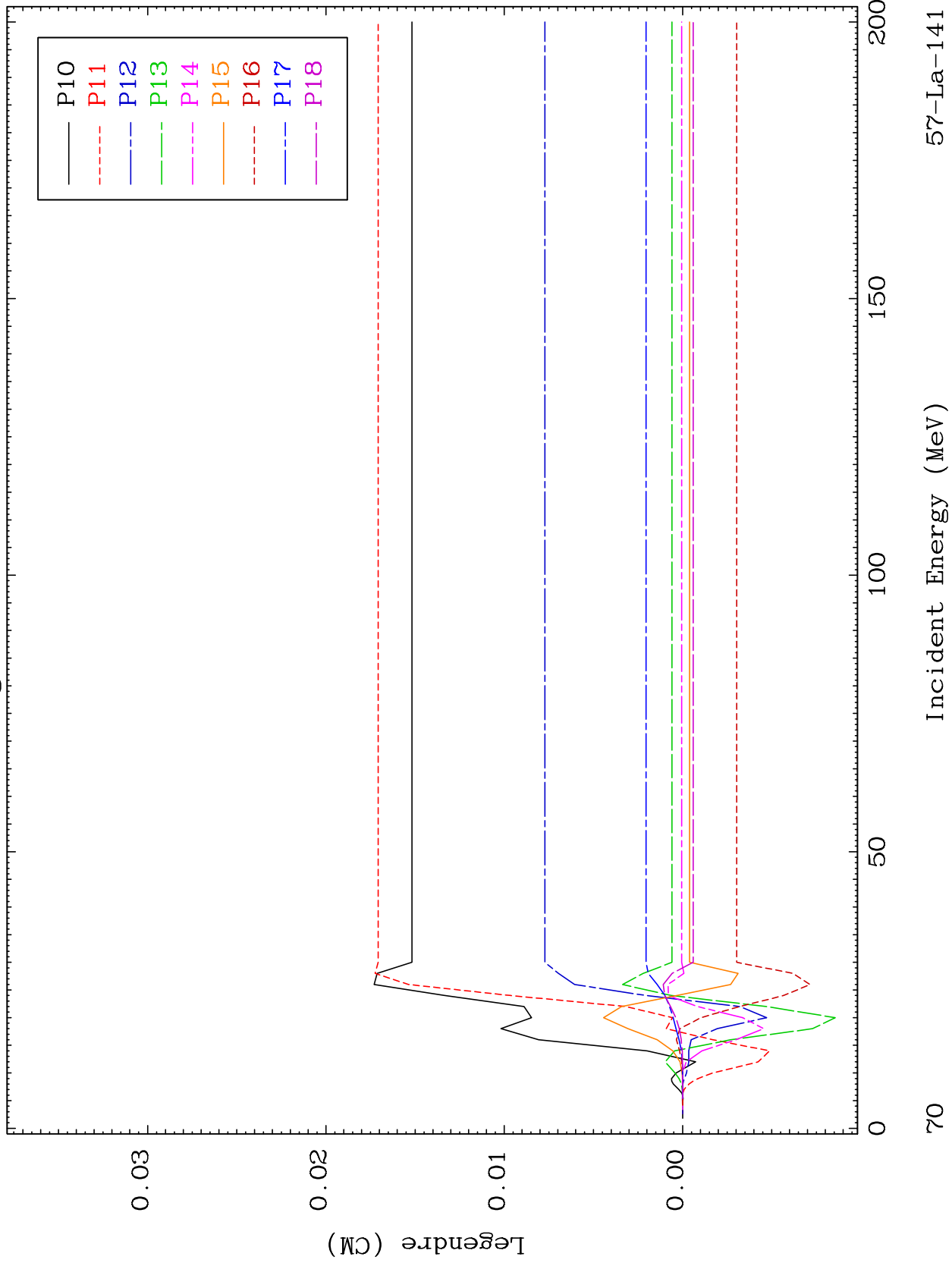
Incident Energy (MeV)

69

MAT 5734

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

57-La-141



57-La-141

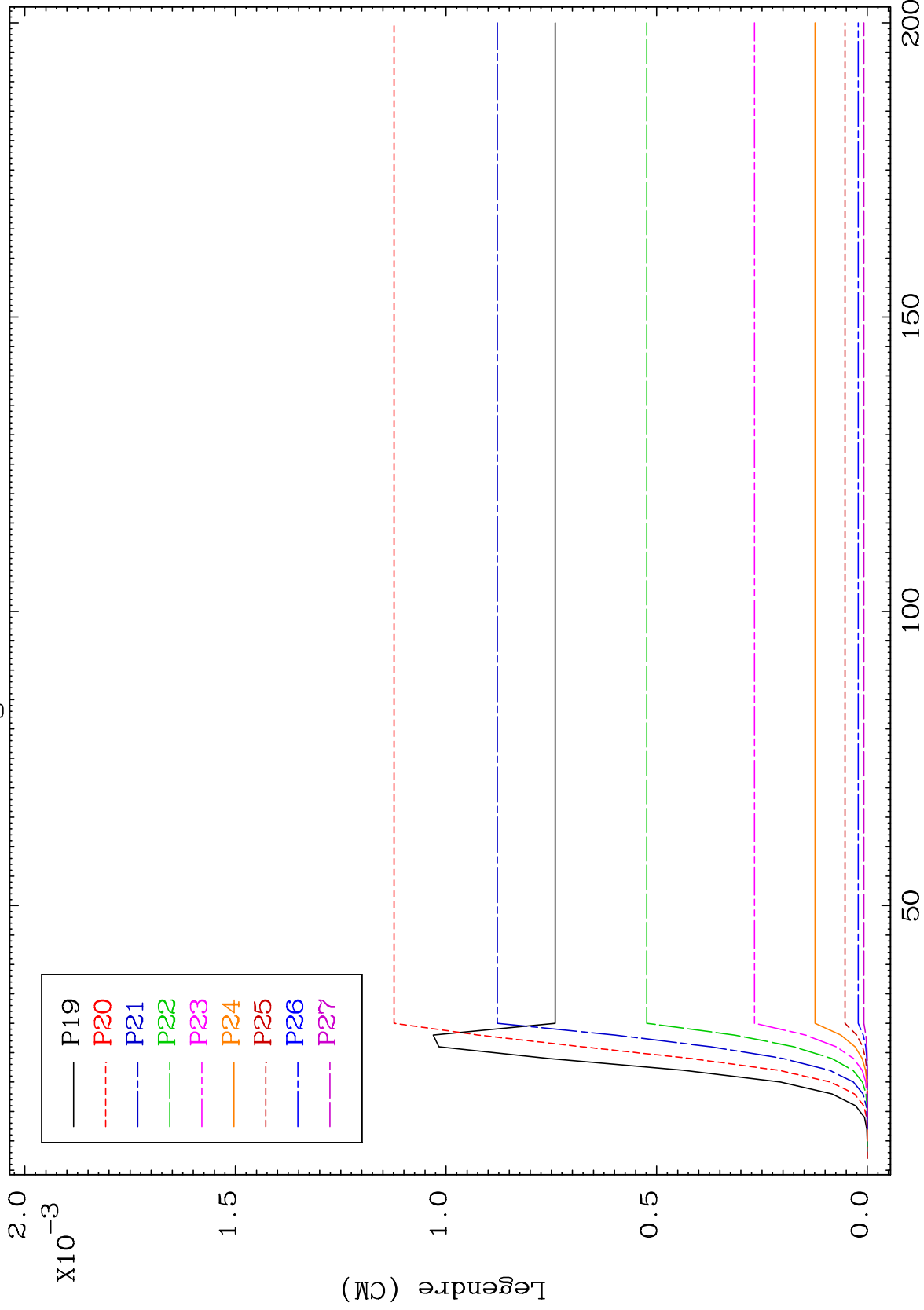
Incident Energy (MeV)

70

MAT 5734

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

57-La-141



71

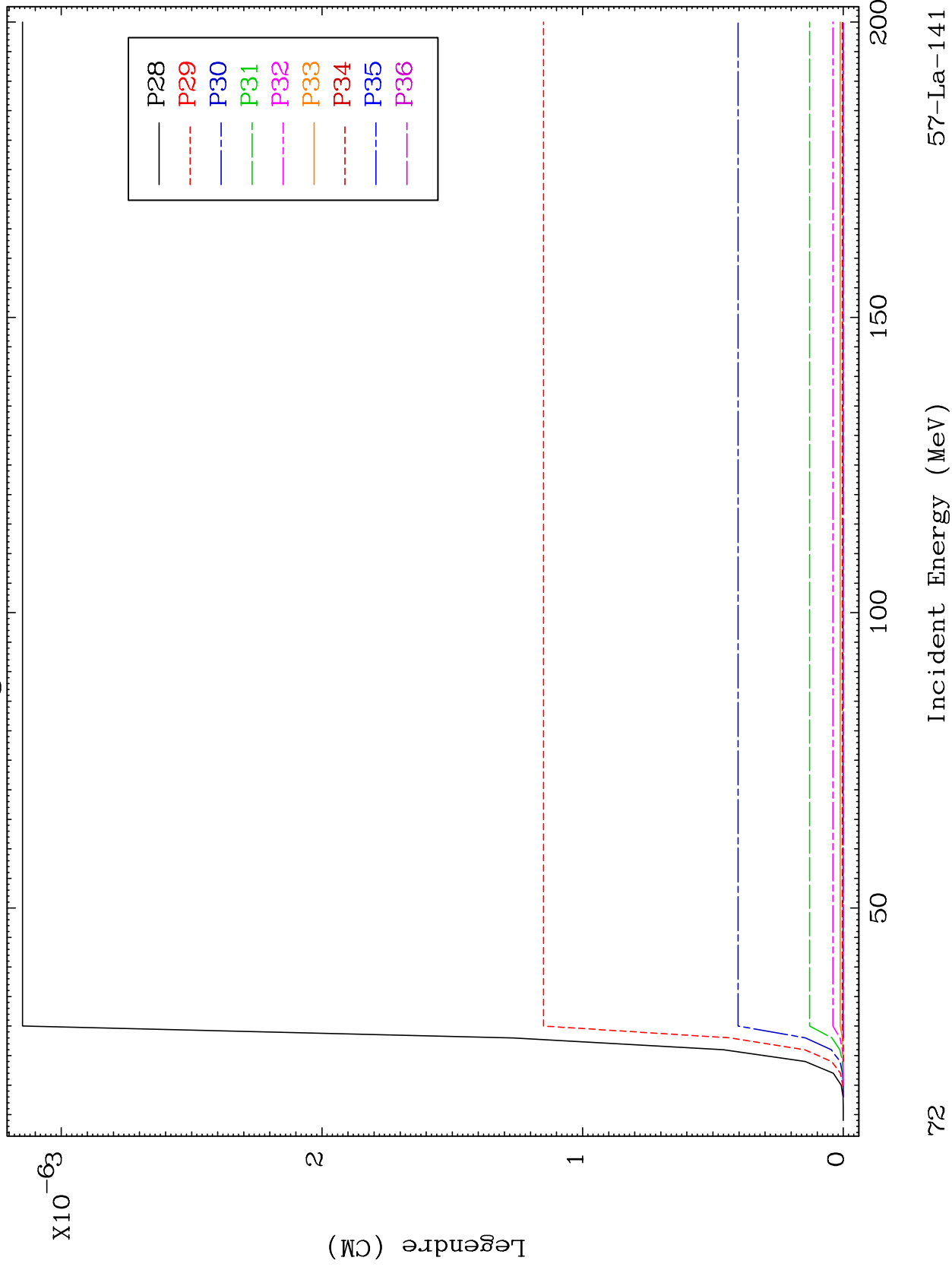
Incident Energy (MeV)

57-La-141

MAT 5734

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

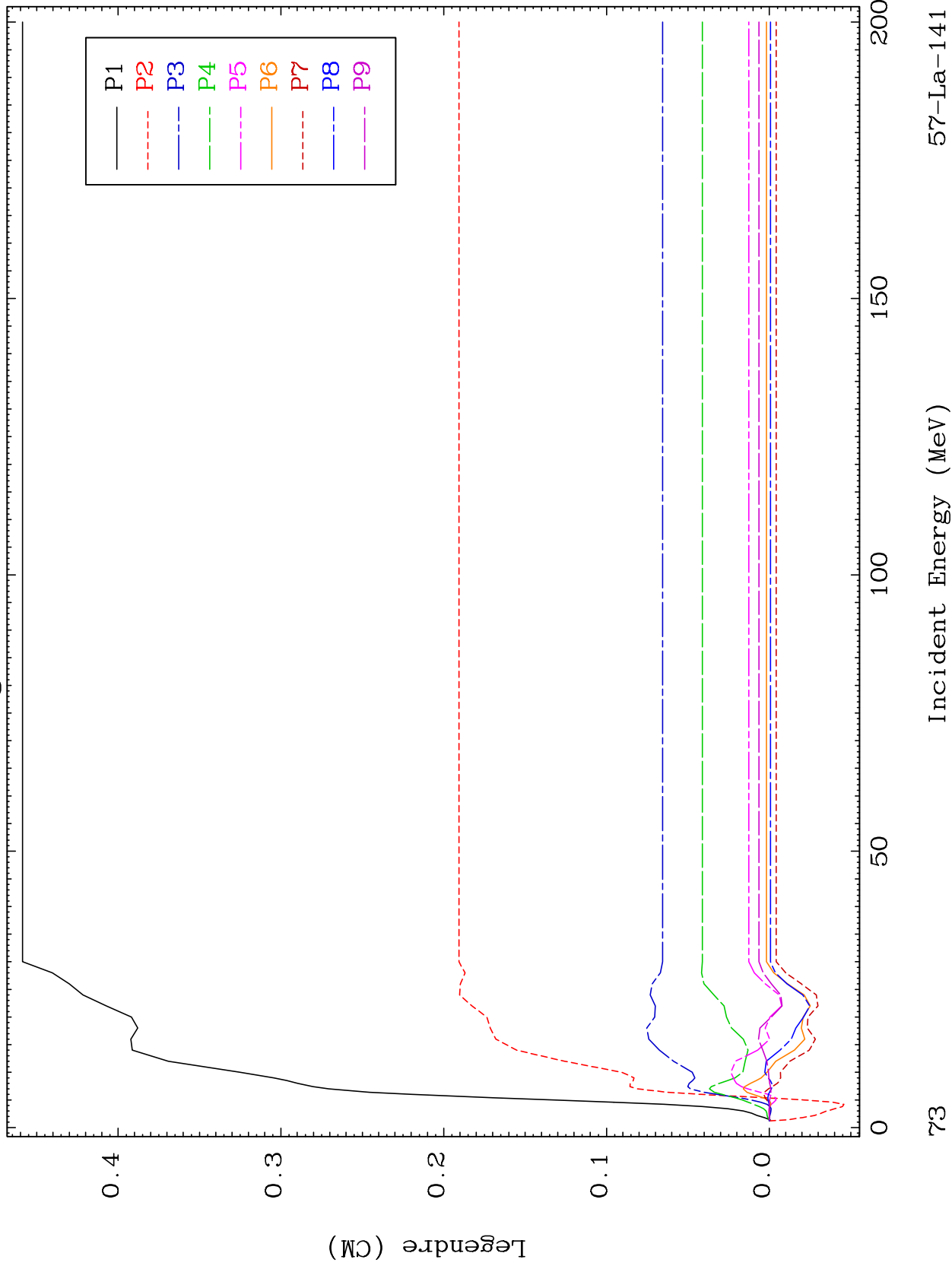
57-La-141



MAT 5734

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

57-La-141



57-La-141

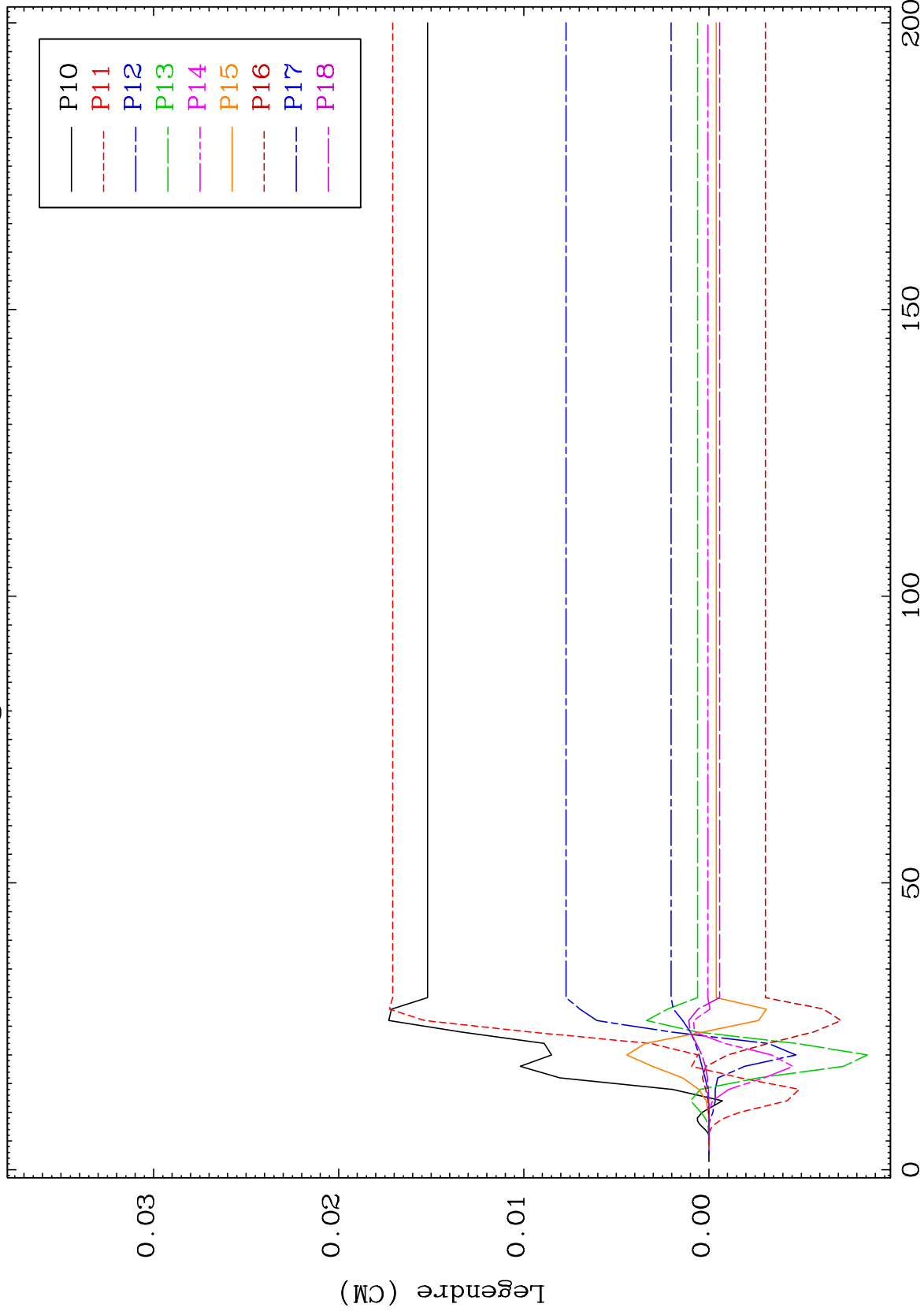
Incident Energy (MeV)

73

MAT 5734

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

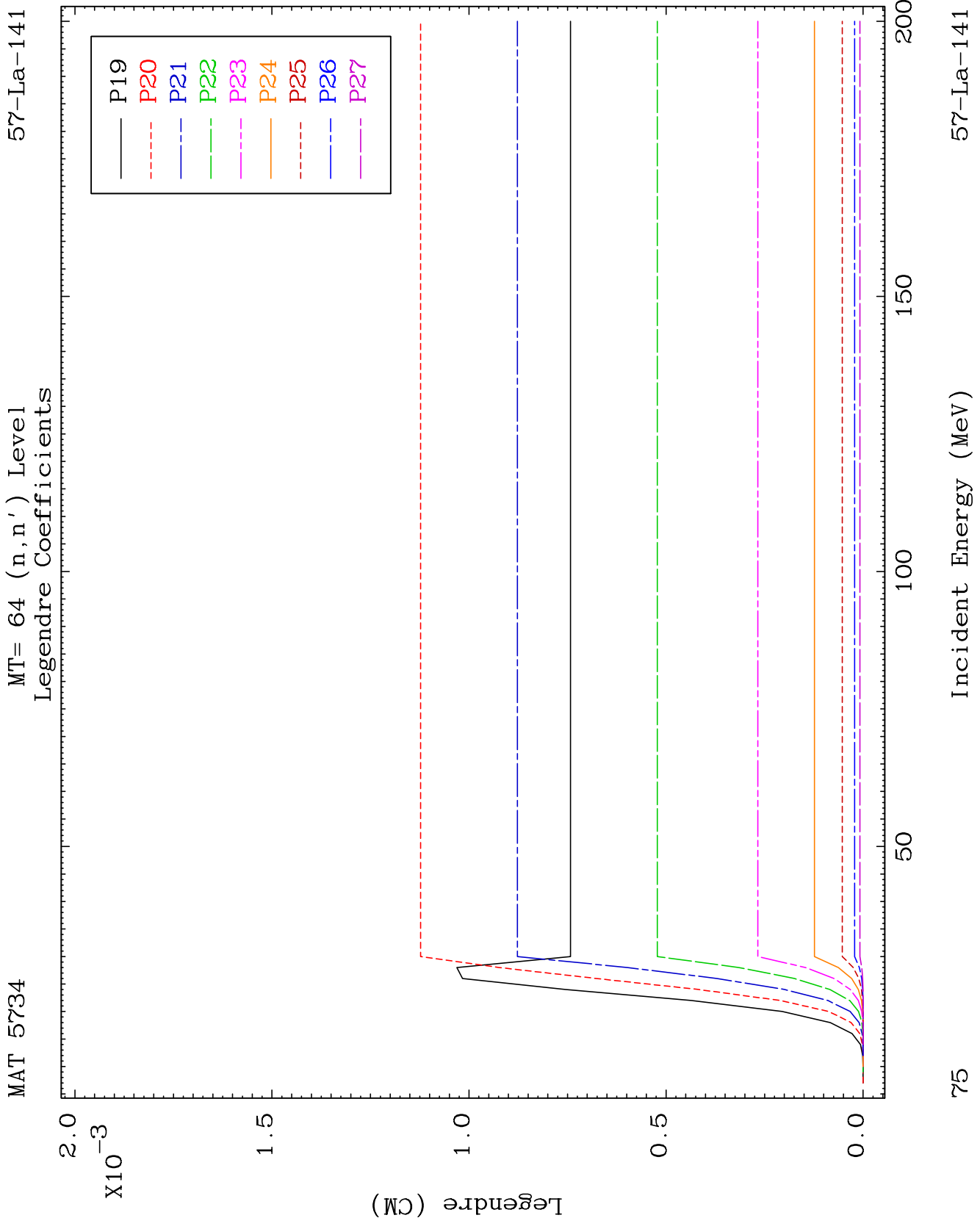
57-La-141



57-La-141

Incident Energy (MeV)

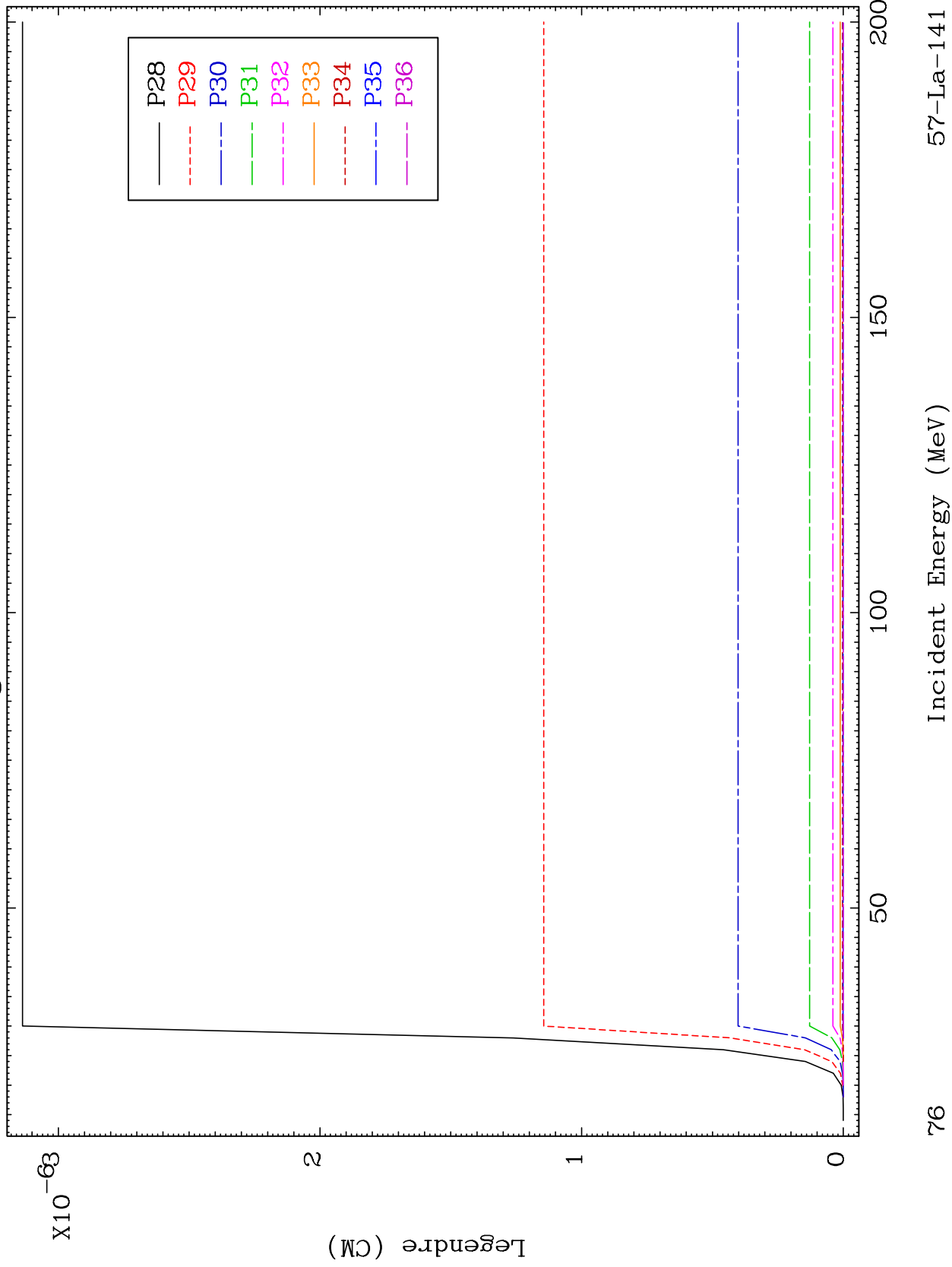
74



MAT 5734

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

57-La-141



76

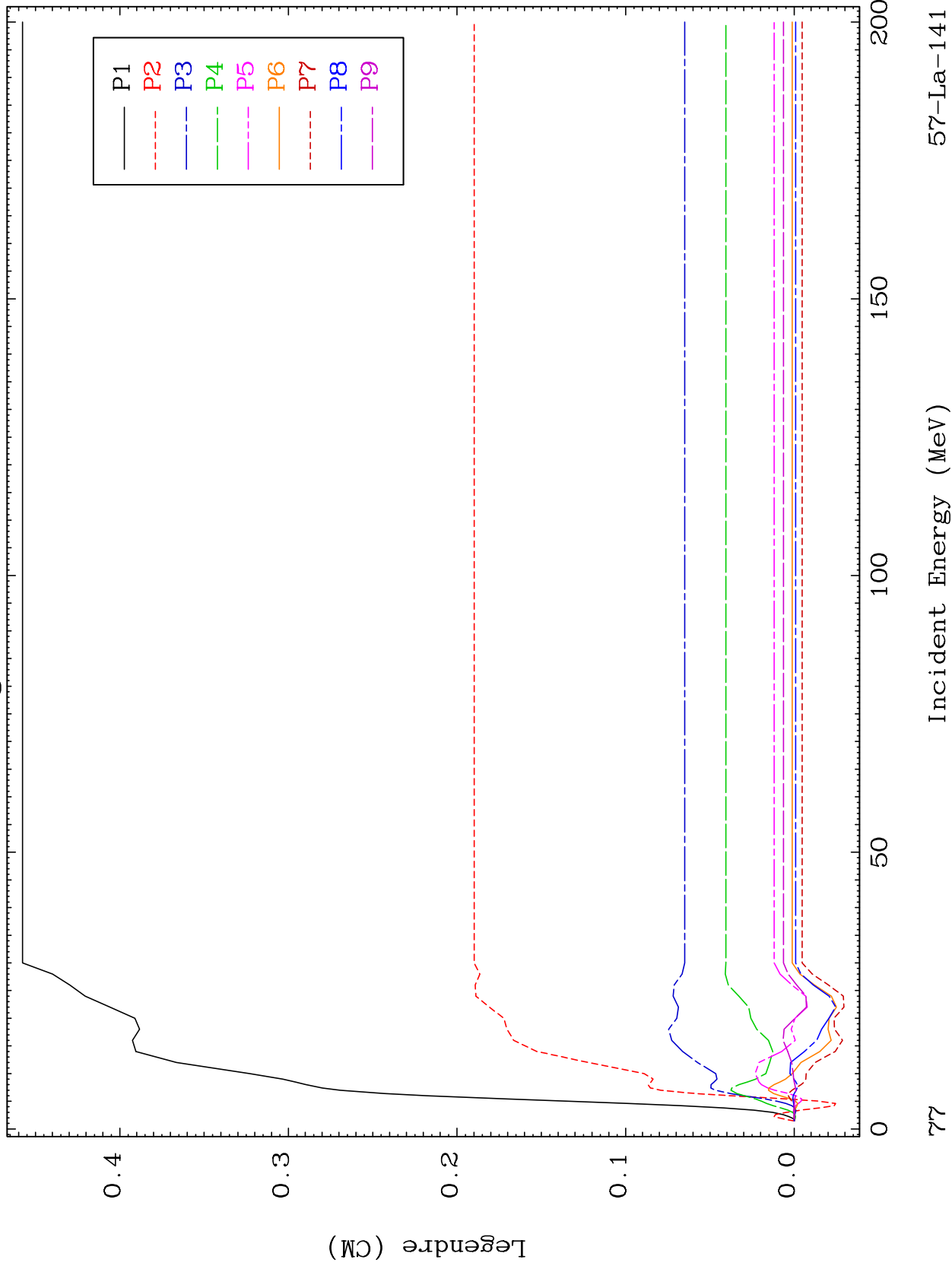
Incident Energy (MeV)

57-La-141

MAT 5734

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

57-La-141



57-La-141

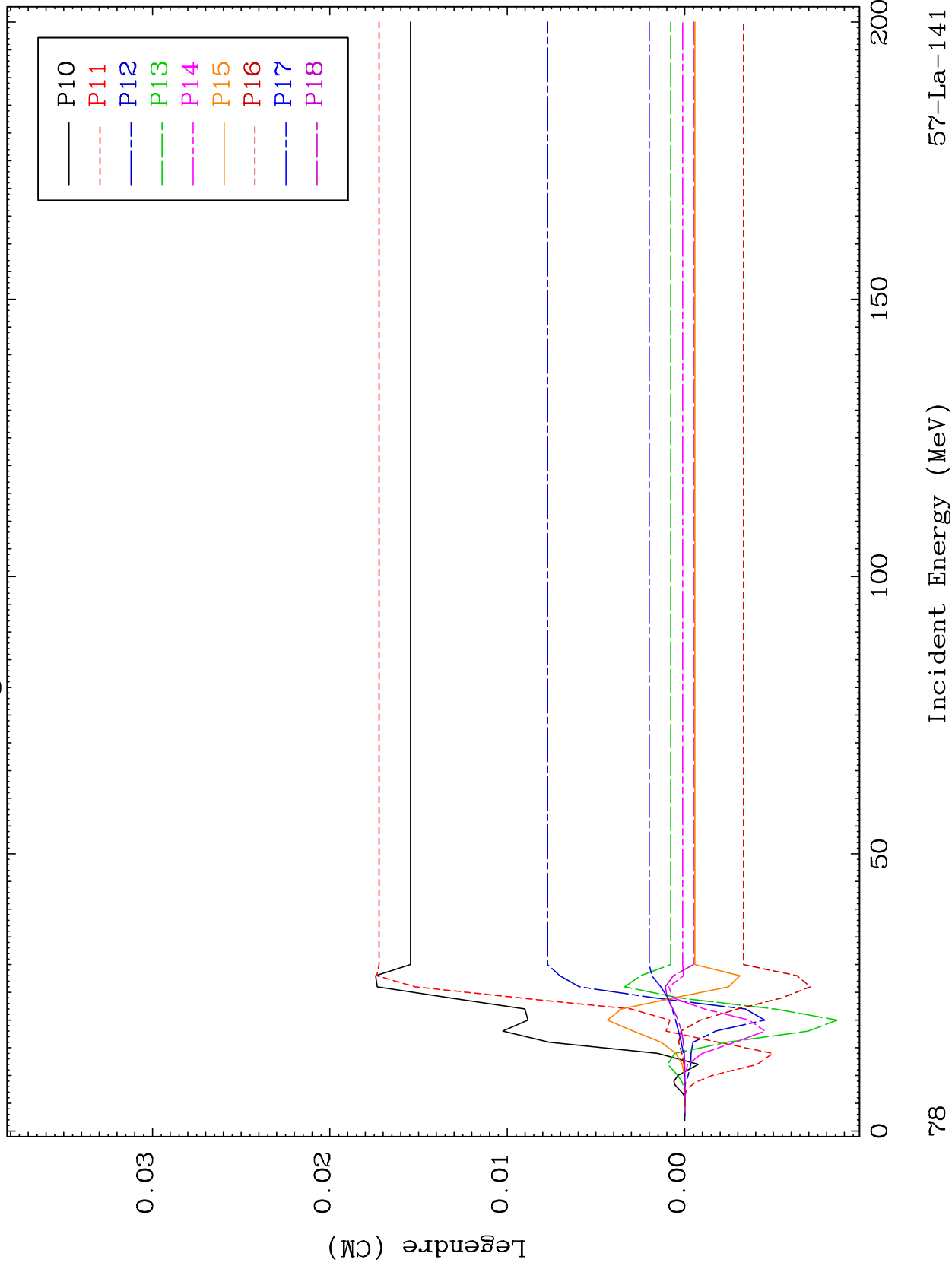
Incident Energy (MeV)

77

MAT 5734

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

57-La-141



57-La-141

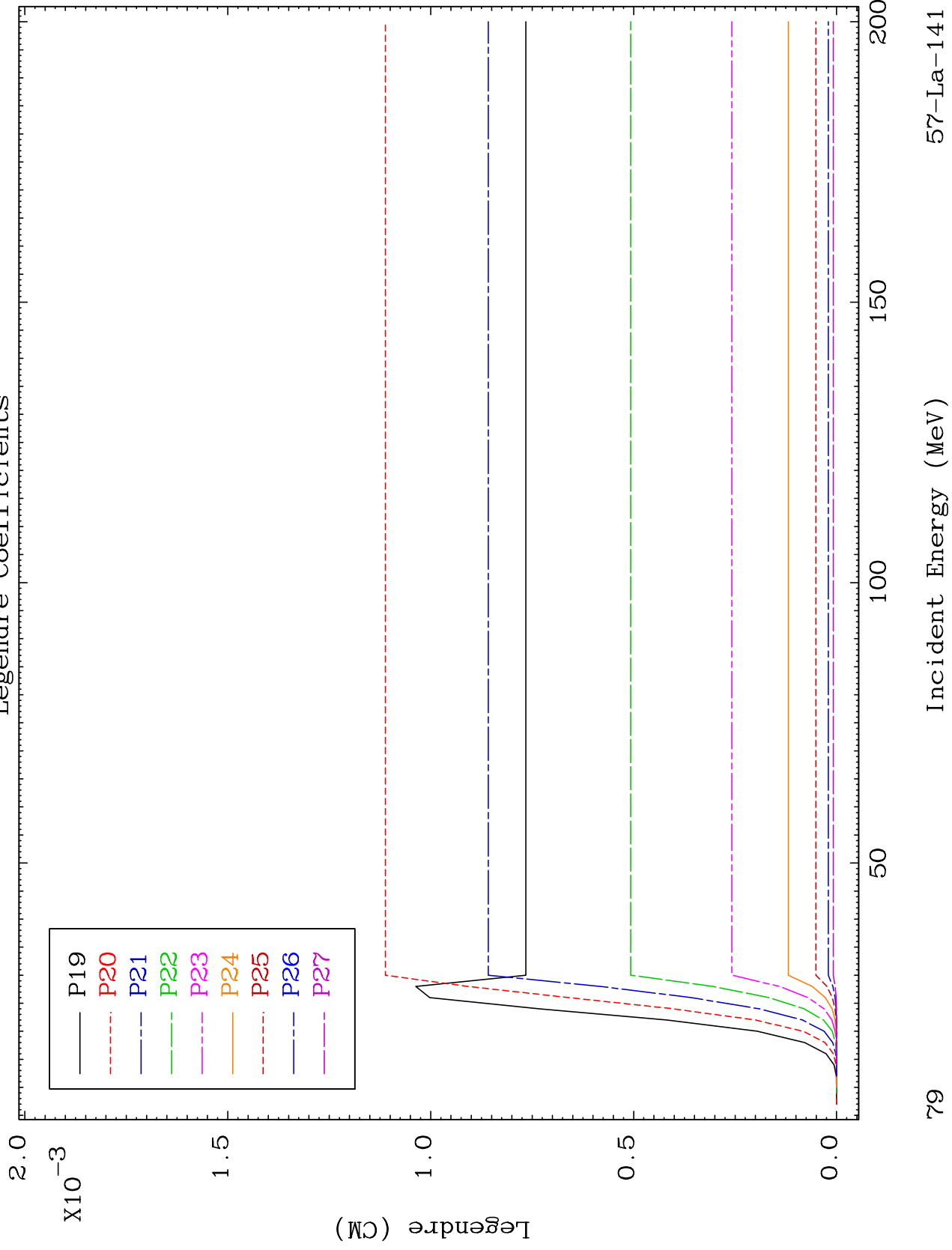
Incident Energy (MeV)

78

MAT 5734

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

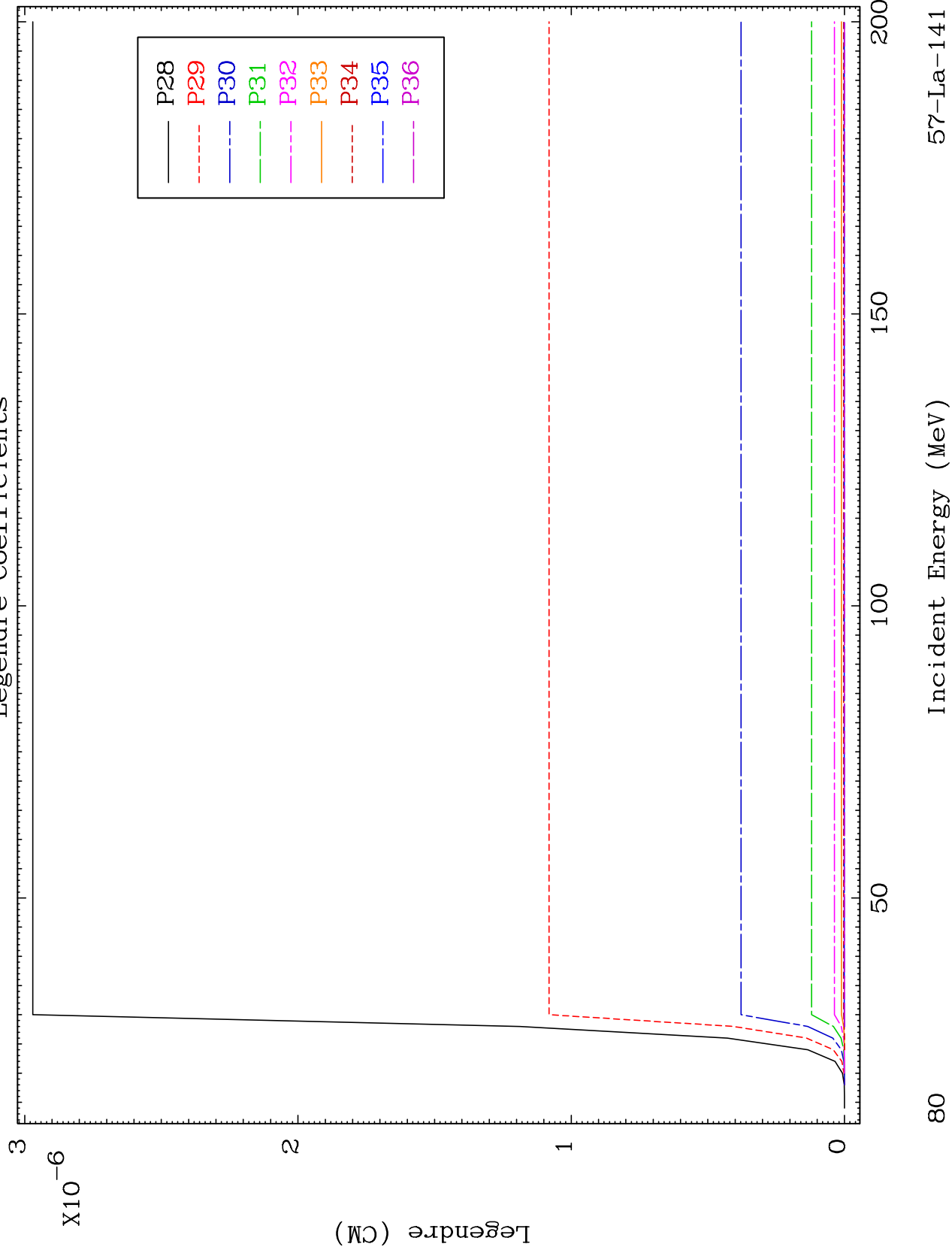
57-La-141



MAT 5734

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

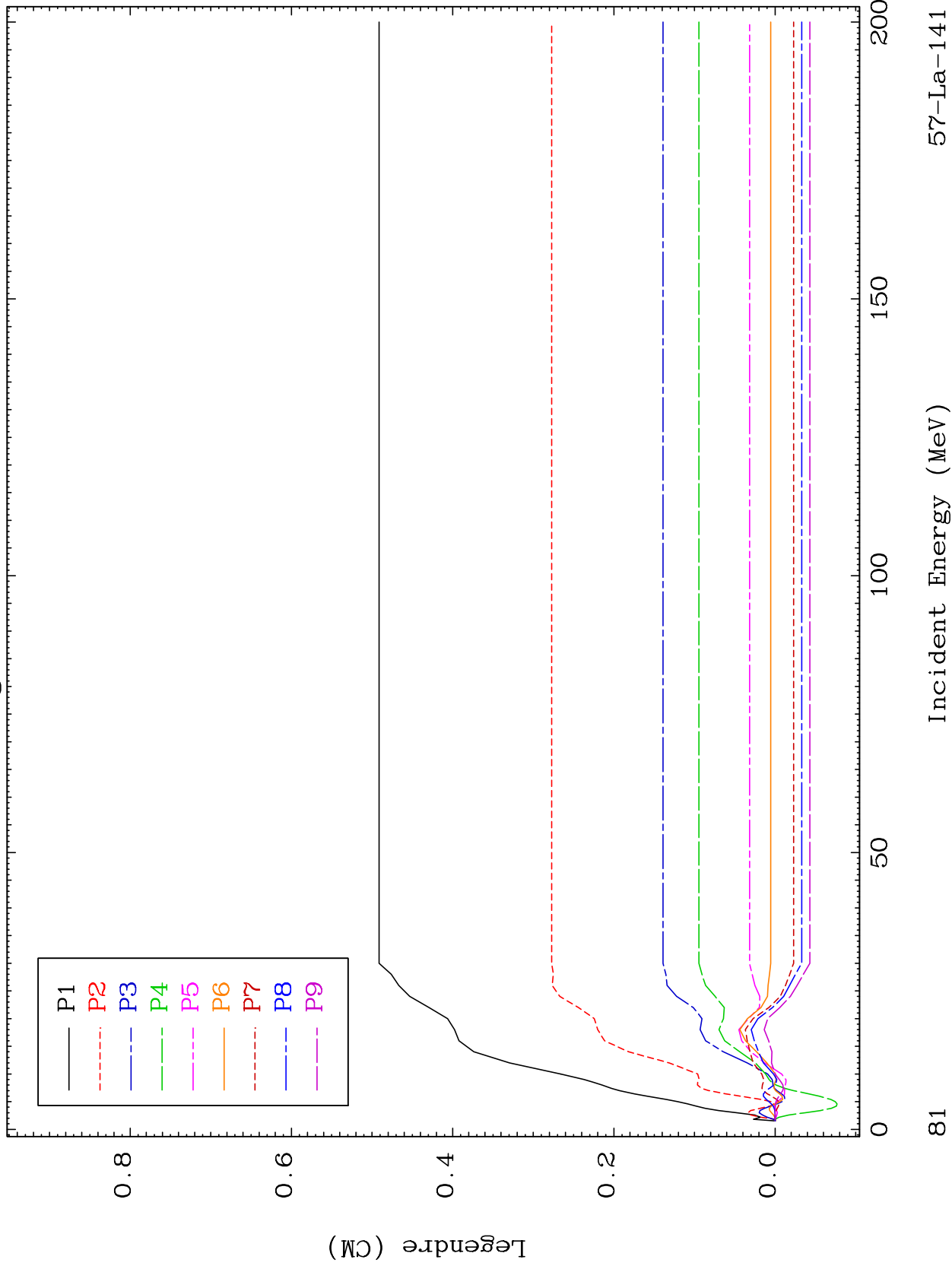
57-La-141



MAT 5734

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

57-La-141



81

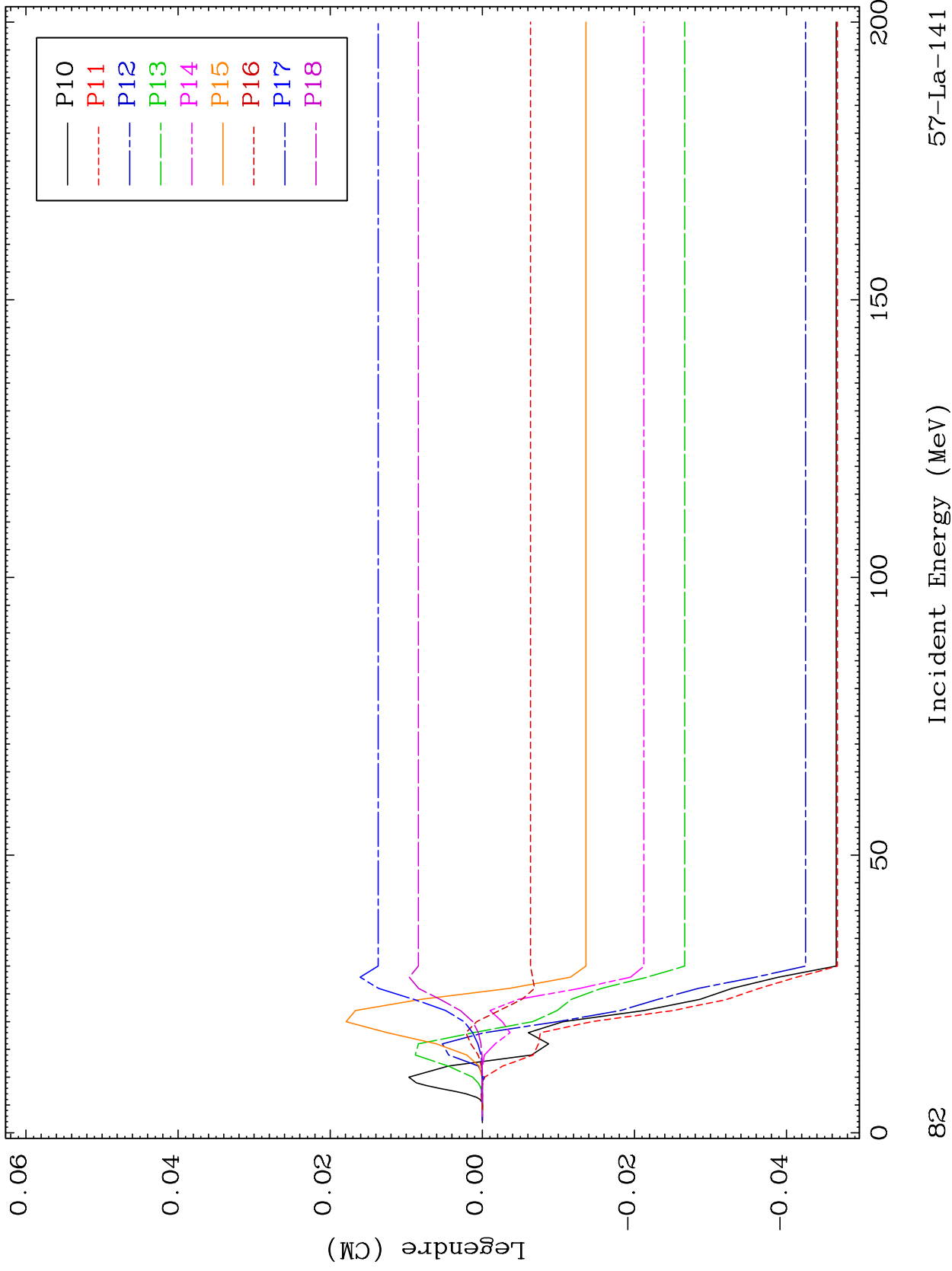
Incident Energy (MeV)

57-La-141

MAT 5734

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

57-La-141



57-La-141

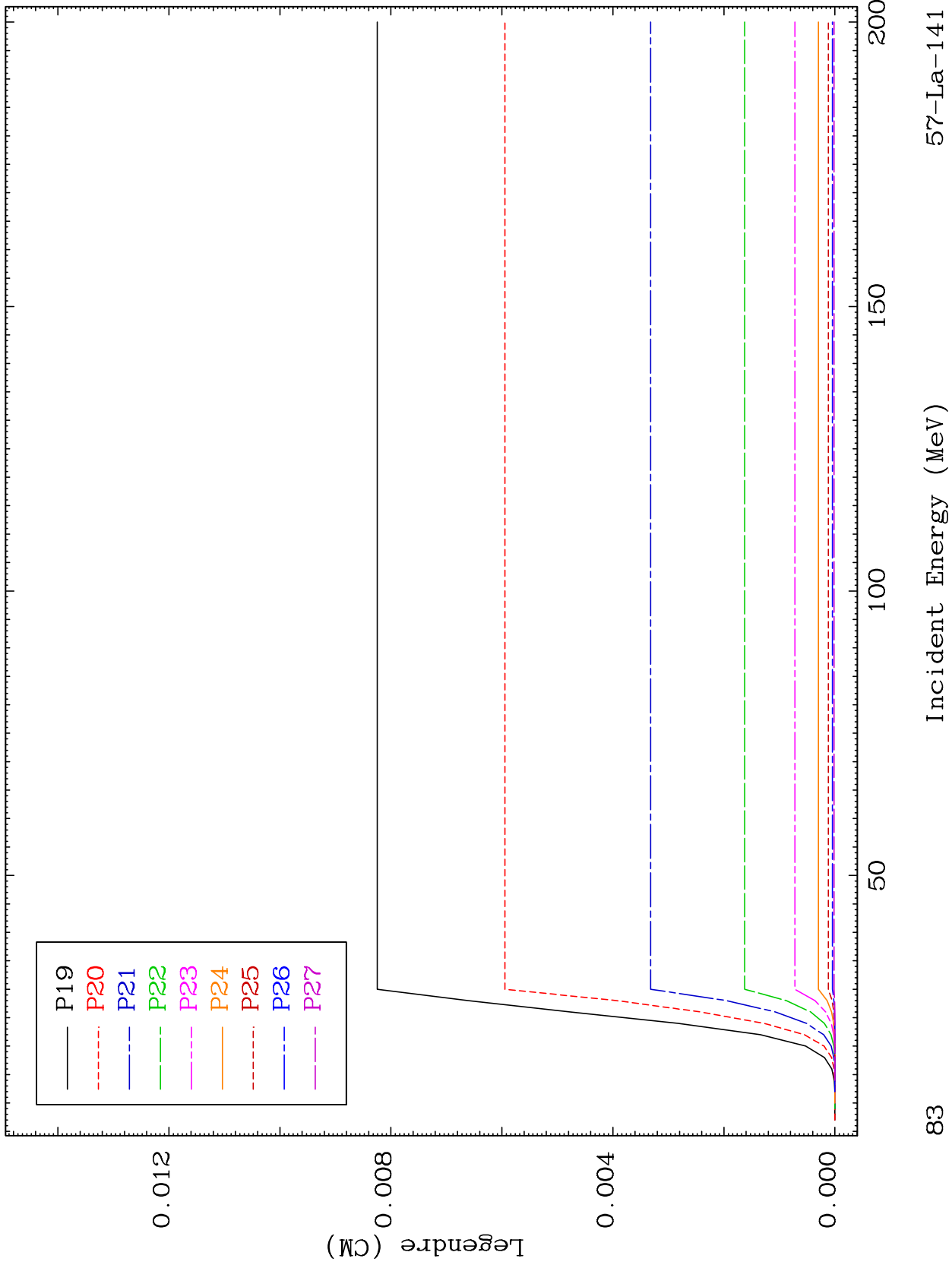
Incident Energy (MeV)

82

MAT 5734

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

57-La-141



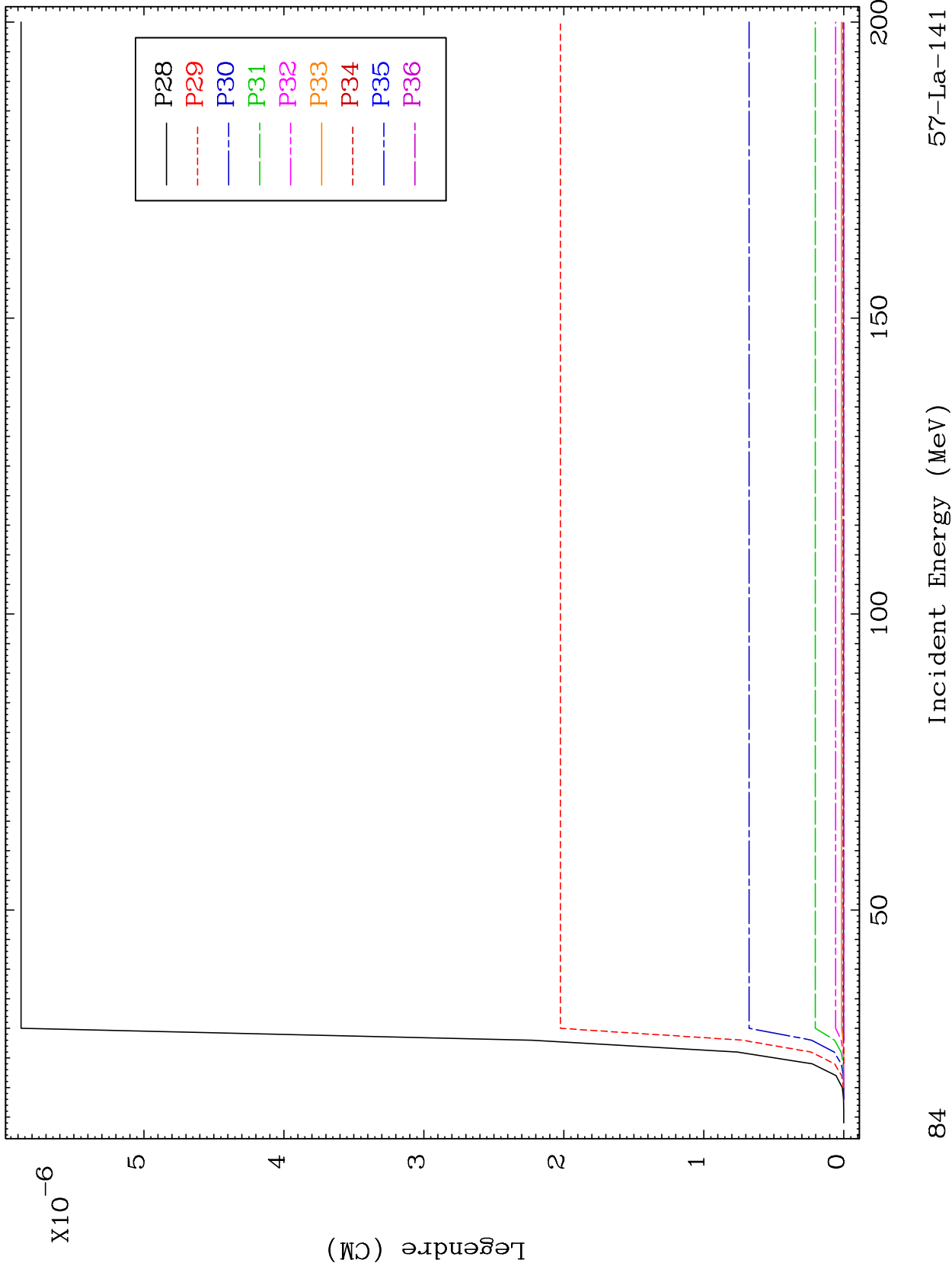
83

57-La-141

MAT 5734

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

57-La-141



84

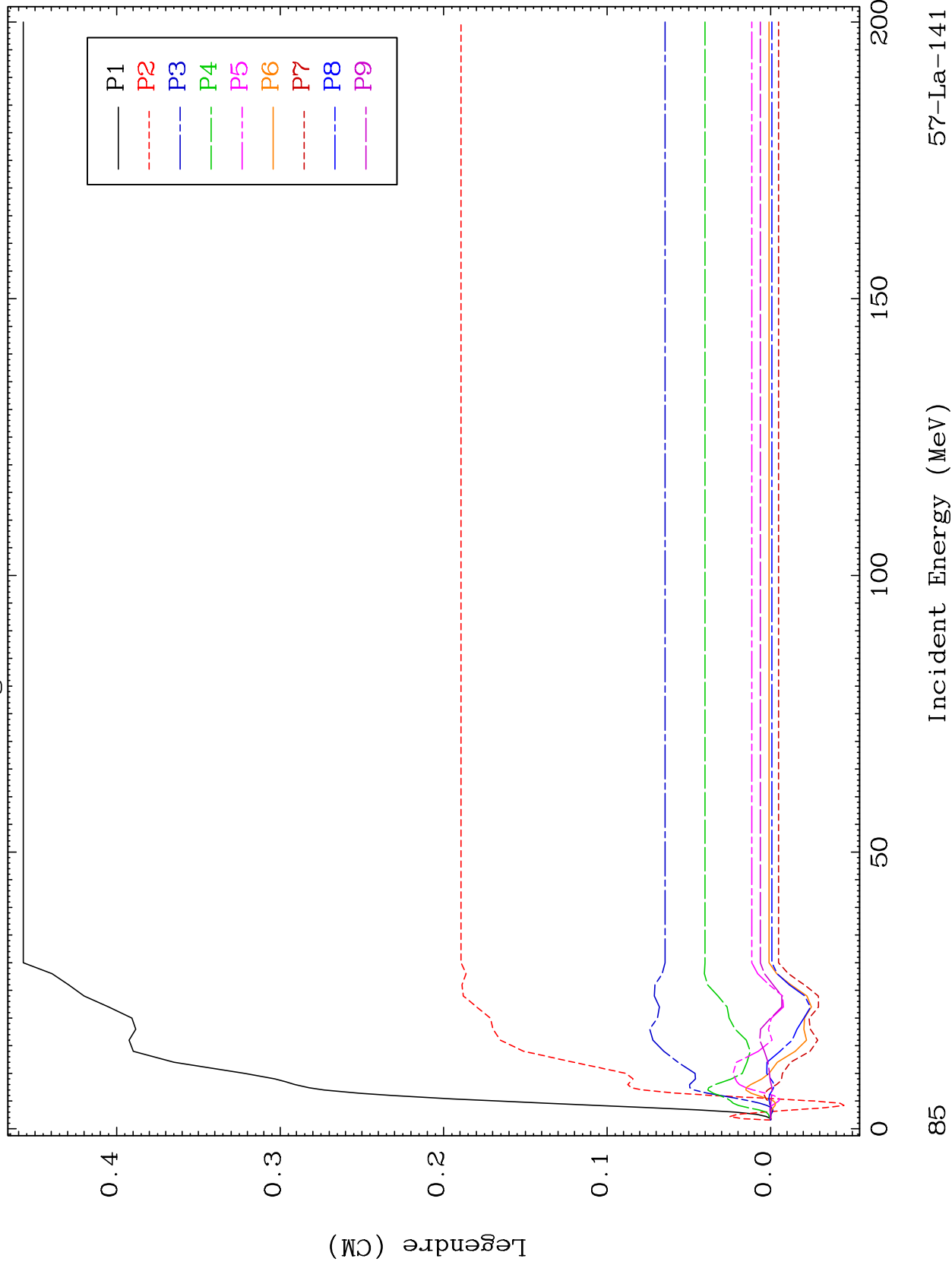
Incident Energy (MeV)

57-La-141

MAT 5734

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

57-La-141



57-La-141

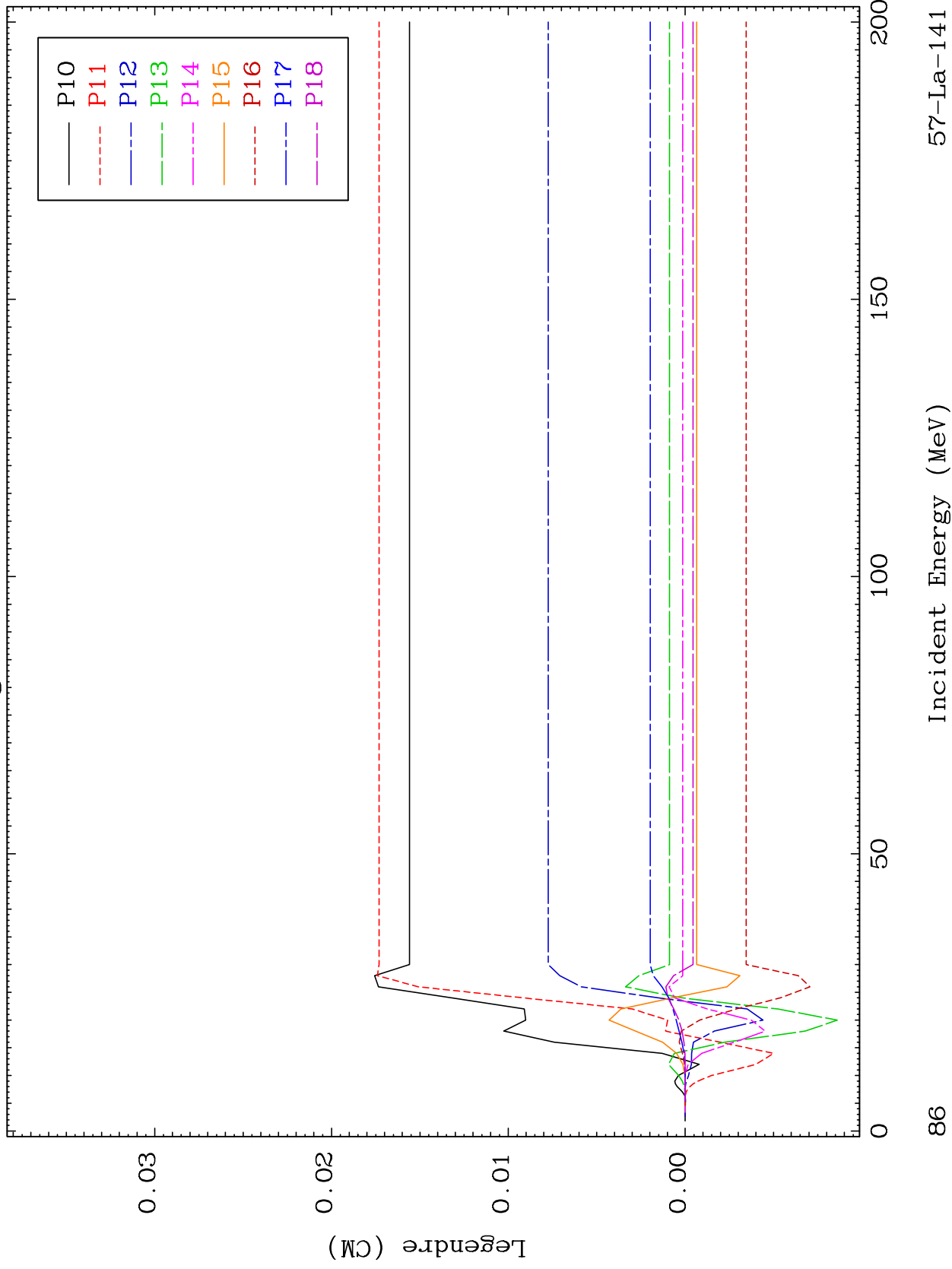
Incident Energy (MeV)

85

MAT 5734

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

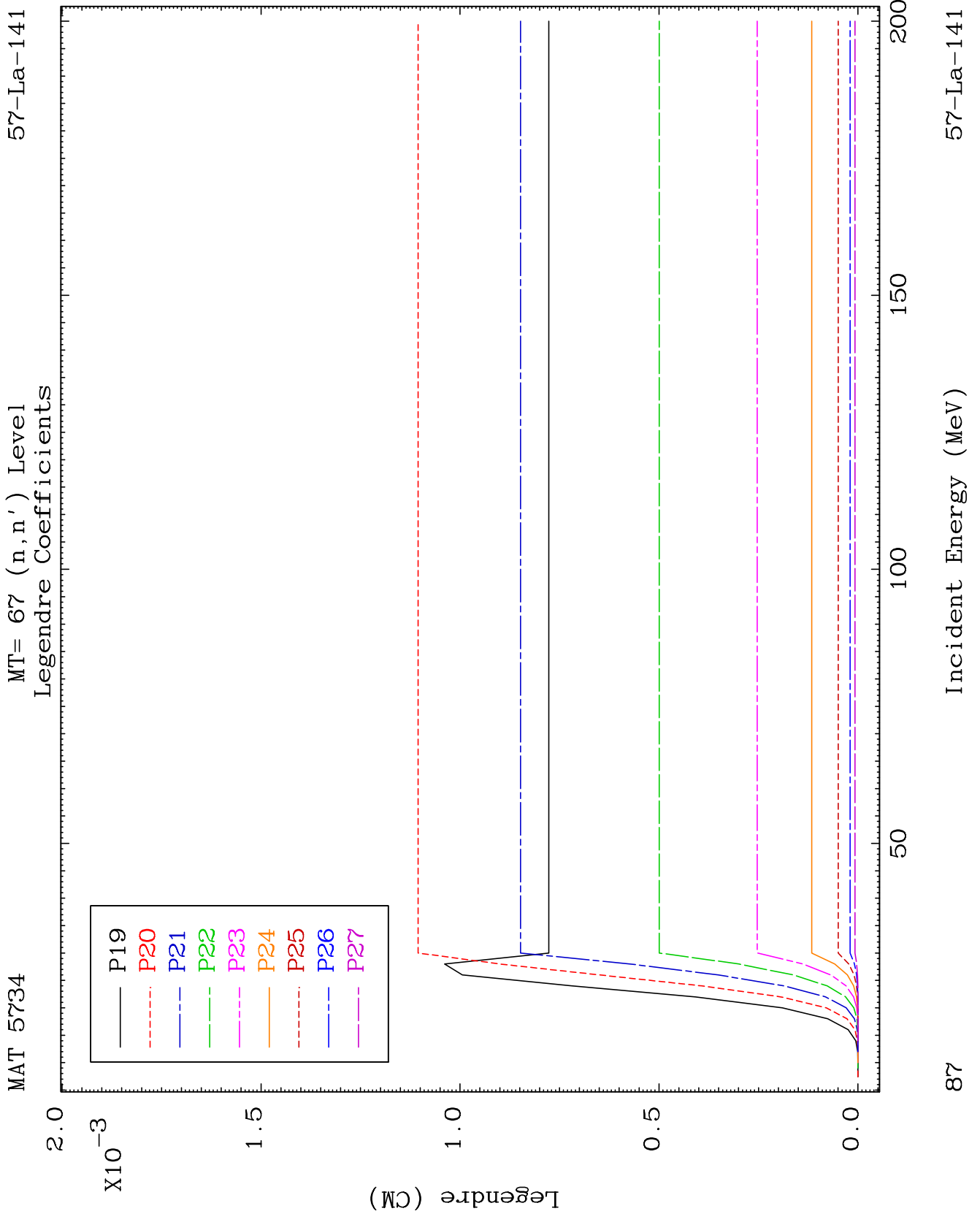
57-La-141



57-La-141

Incident Energy (MeV)

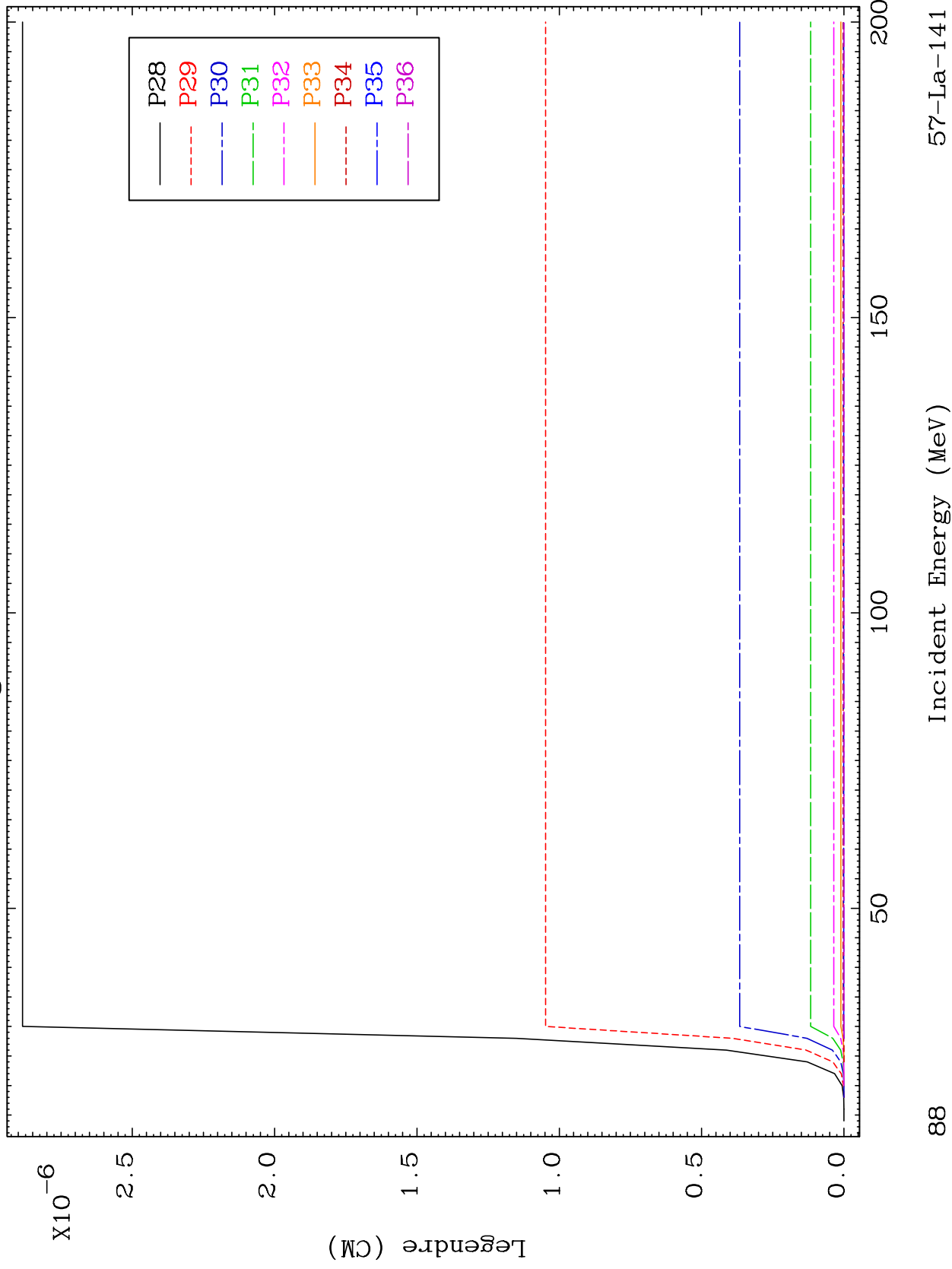
86

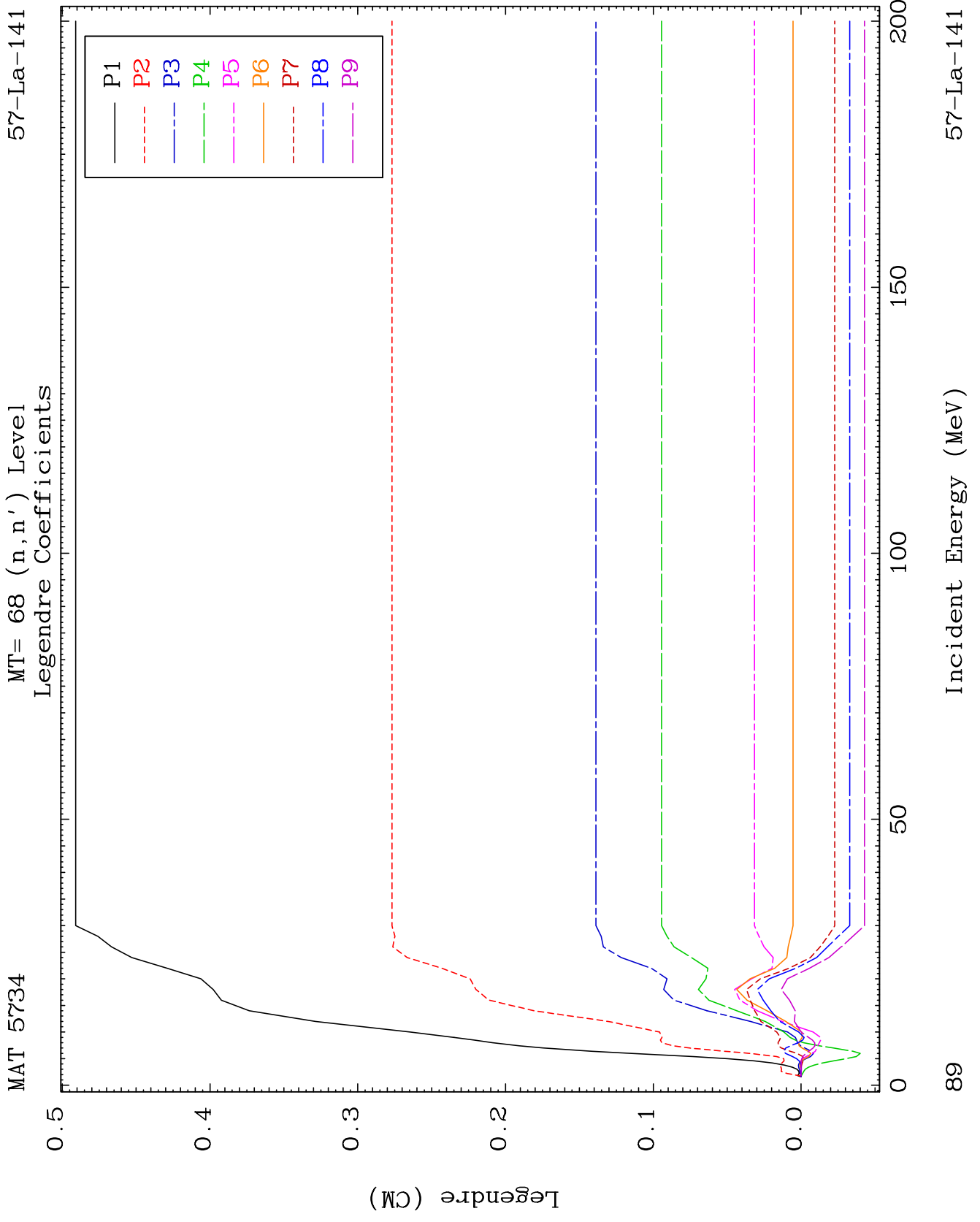


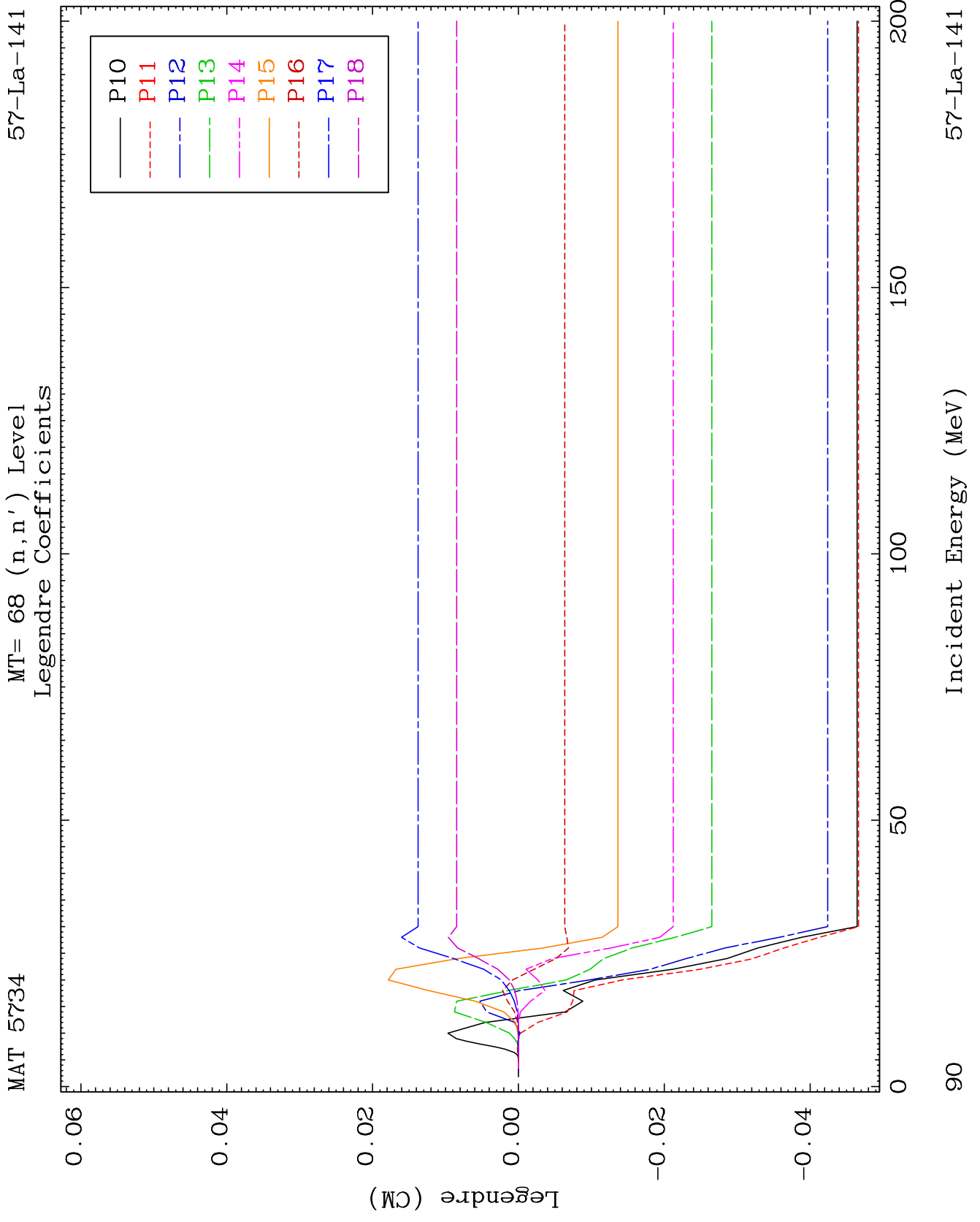
MAT 5734

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

57-La-141



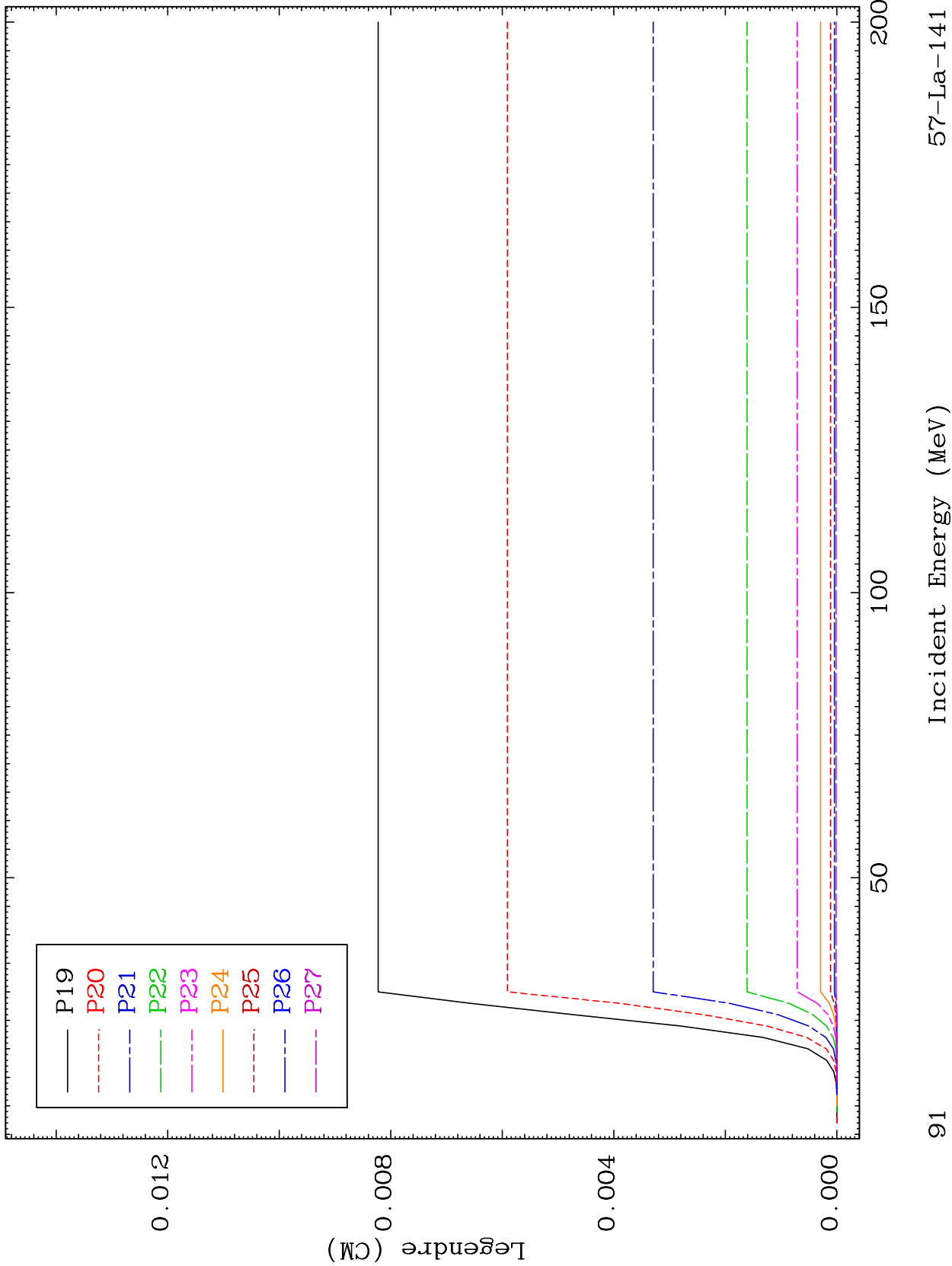




MAT 5734

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

57-La-141



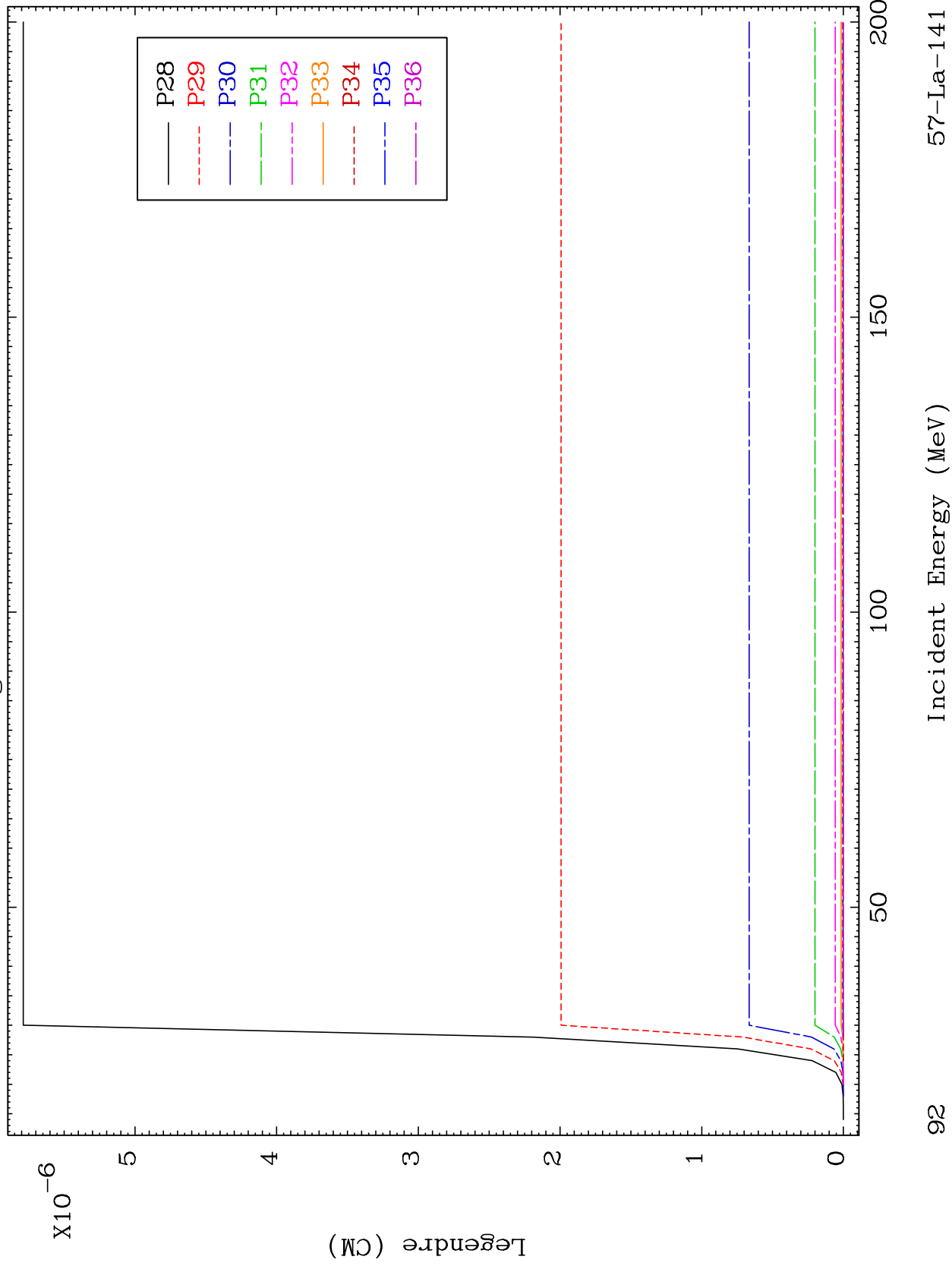
91

57-La-141

MAT 5734

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

57-La-141



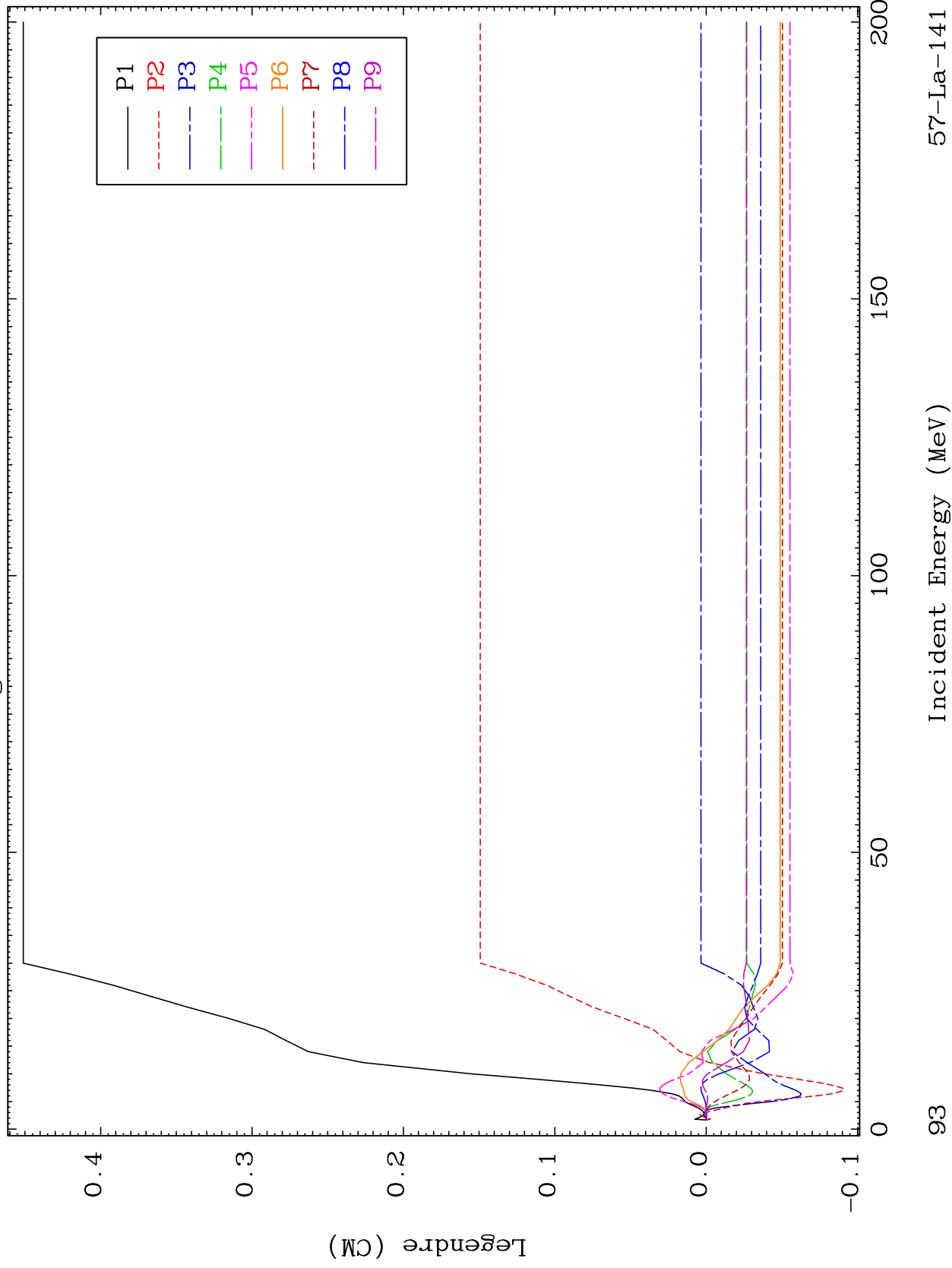
92

57-La-141

MAT 5734

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

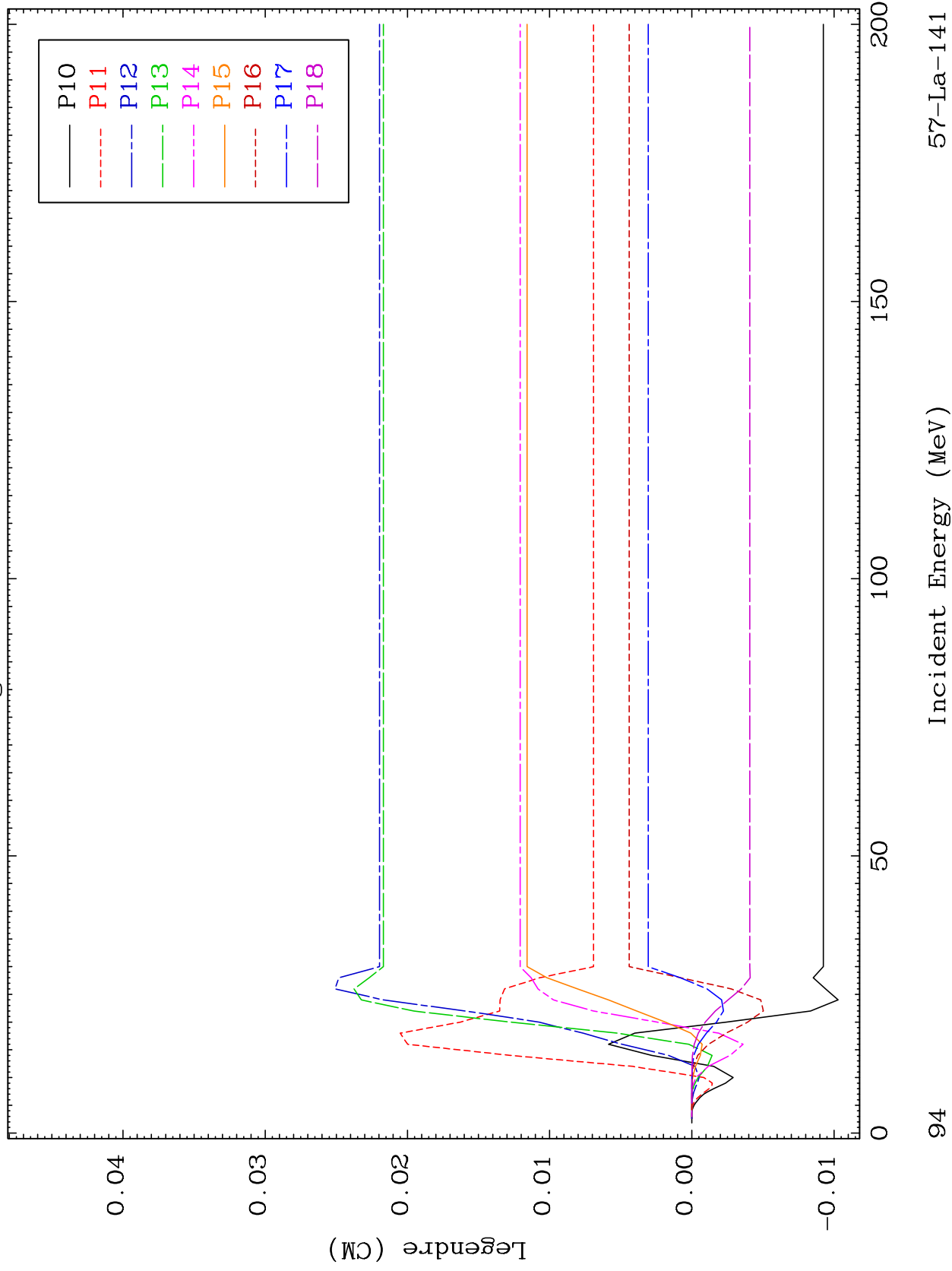
57-La-141



MAT 5734

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

57-La-141



57-La-141

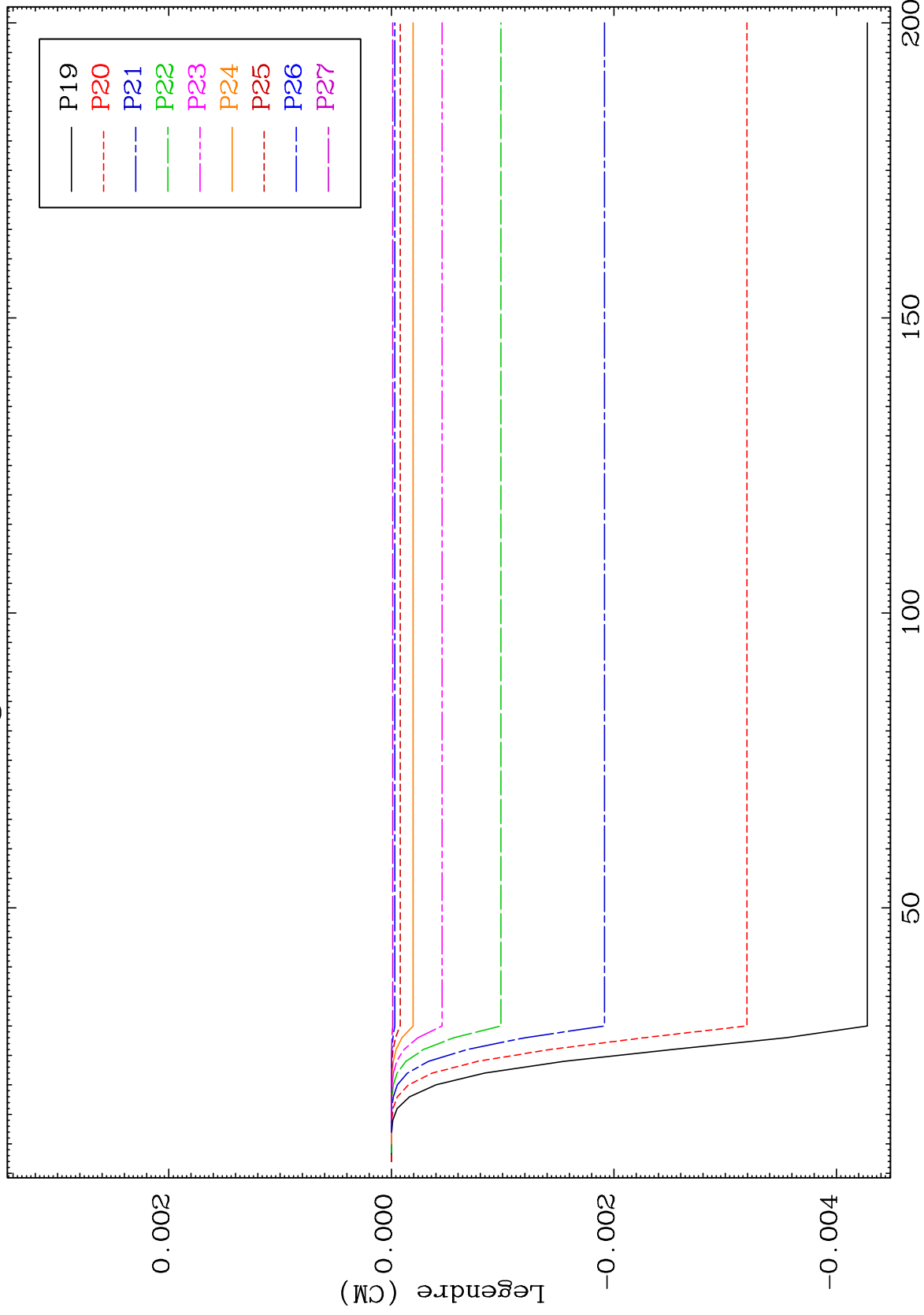
Incident Energy (MeV)

94

MAT 5734

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

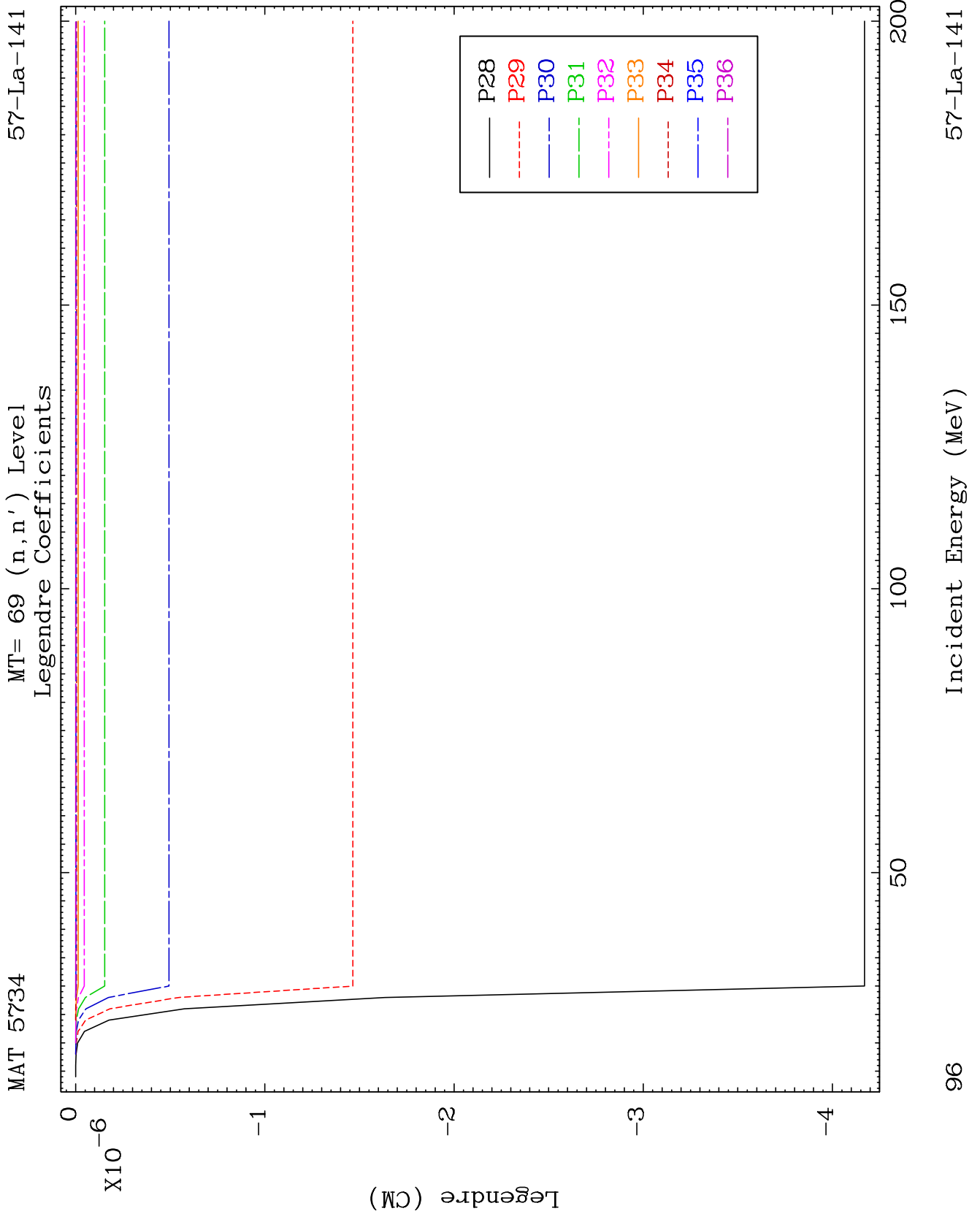
57-La-141



95

Incident Energy (MeV)

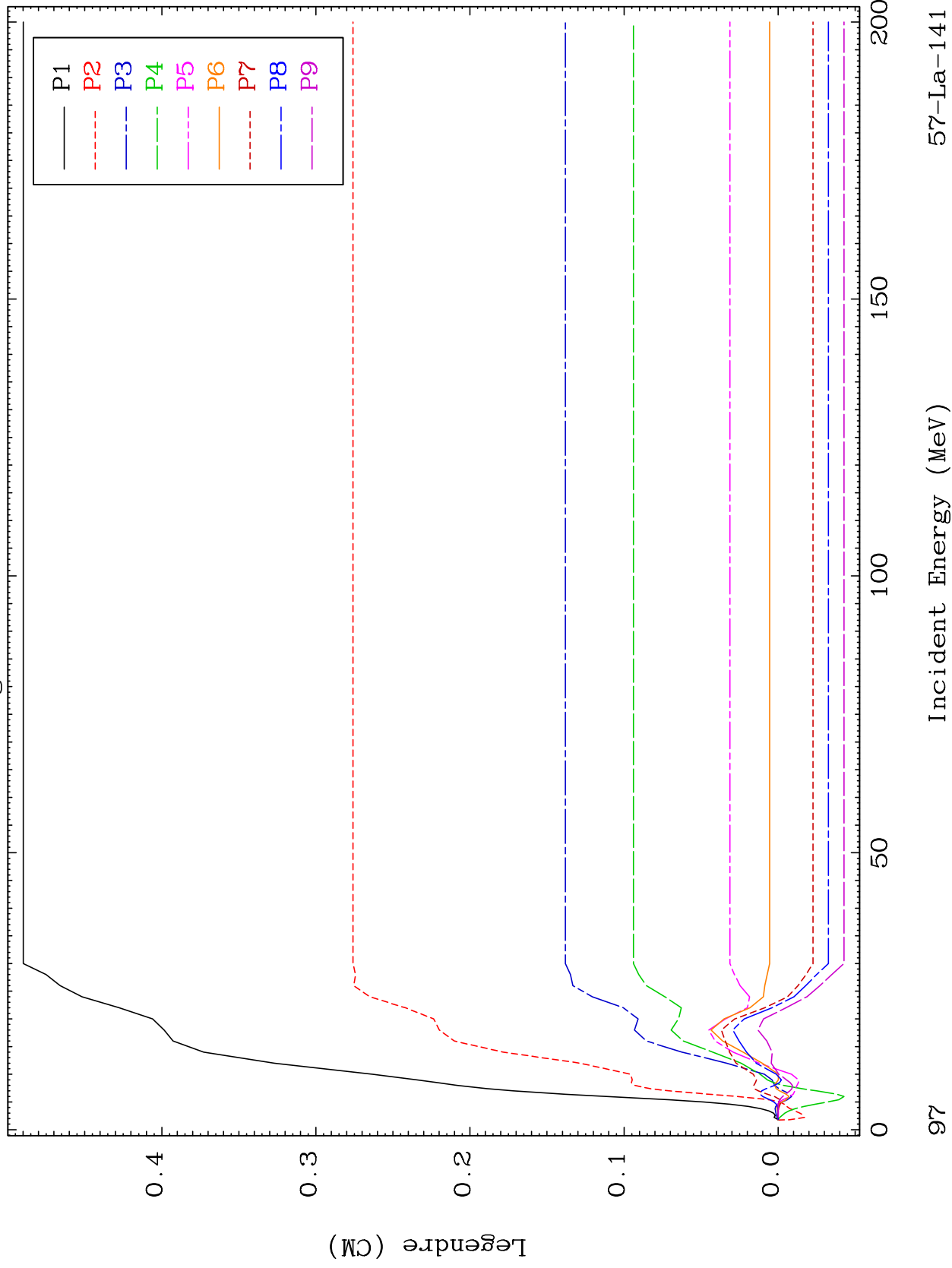
57-La-141



MAT 5734

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

57-La-141



57-La-141

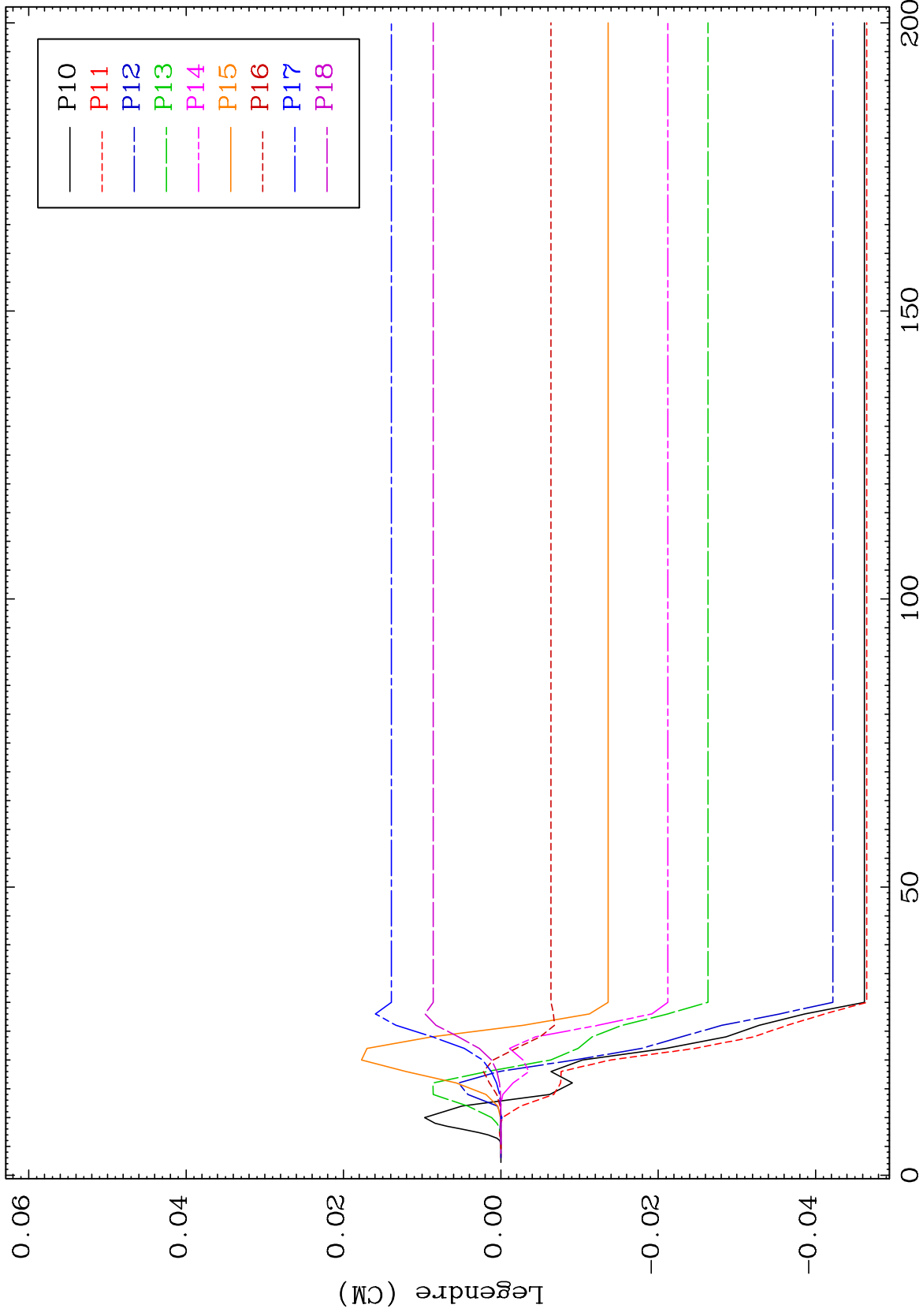
Incident Energy (MeV)

97

MAT 5734

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

57-La-141



98

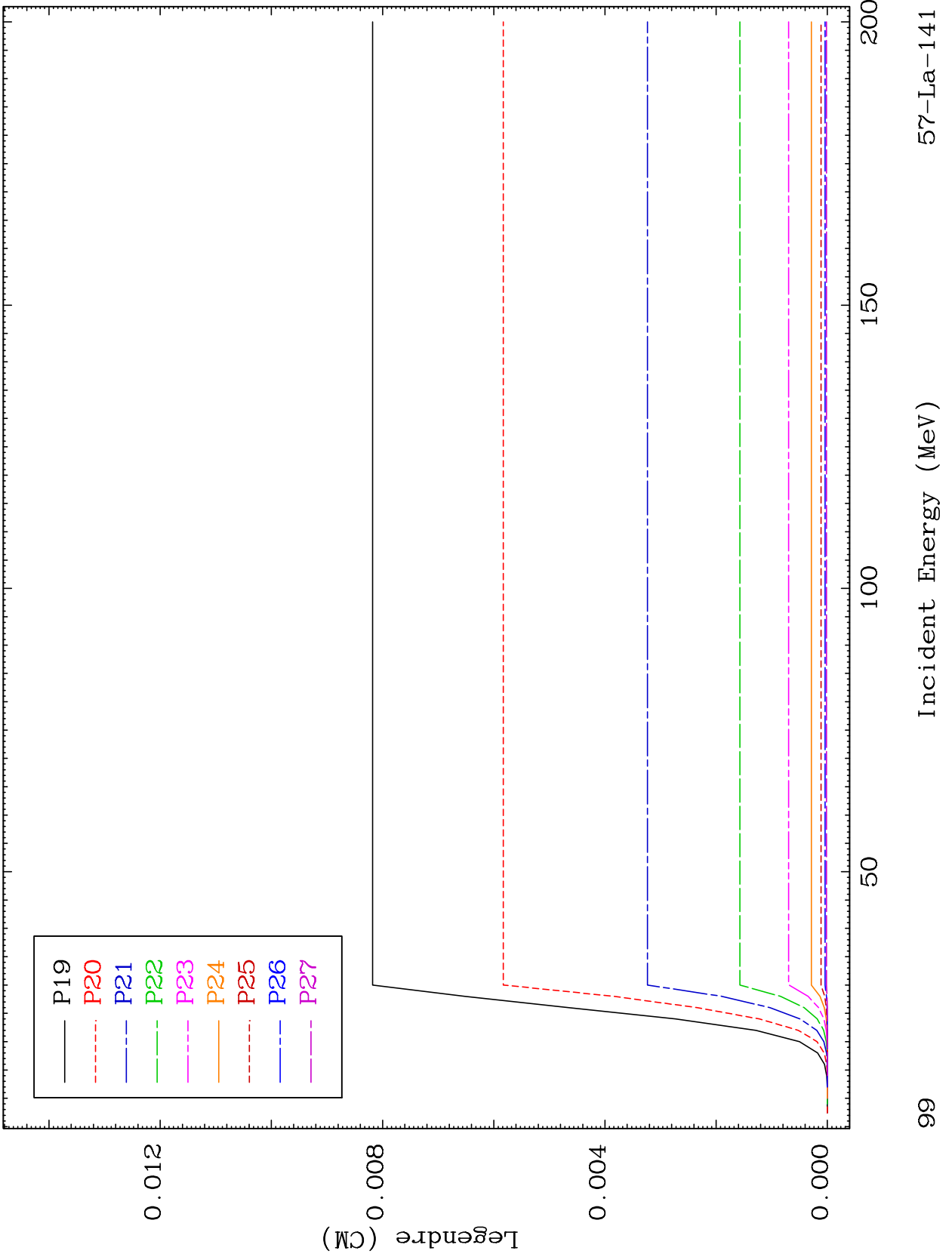
Incident Energy (MeV)

57-La-141

MAT 5734

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

57-La-141



99

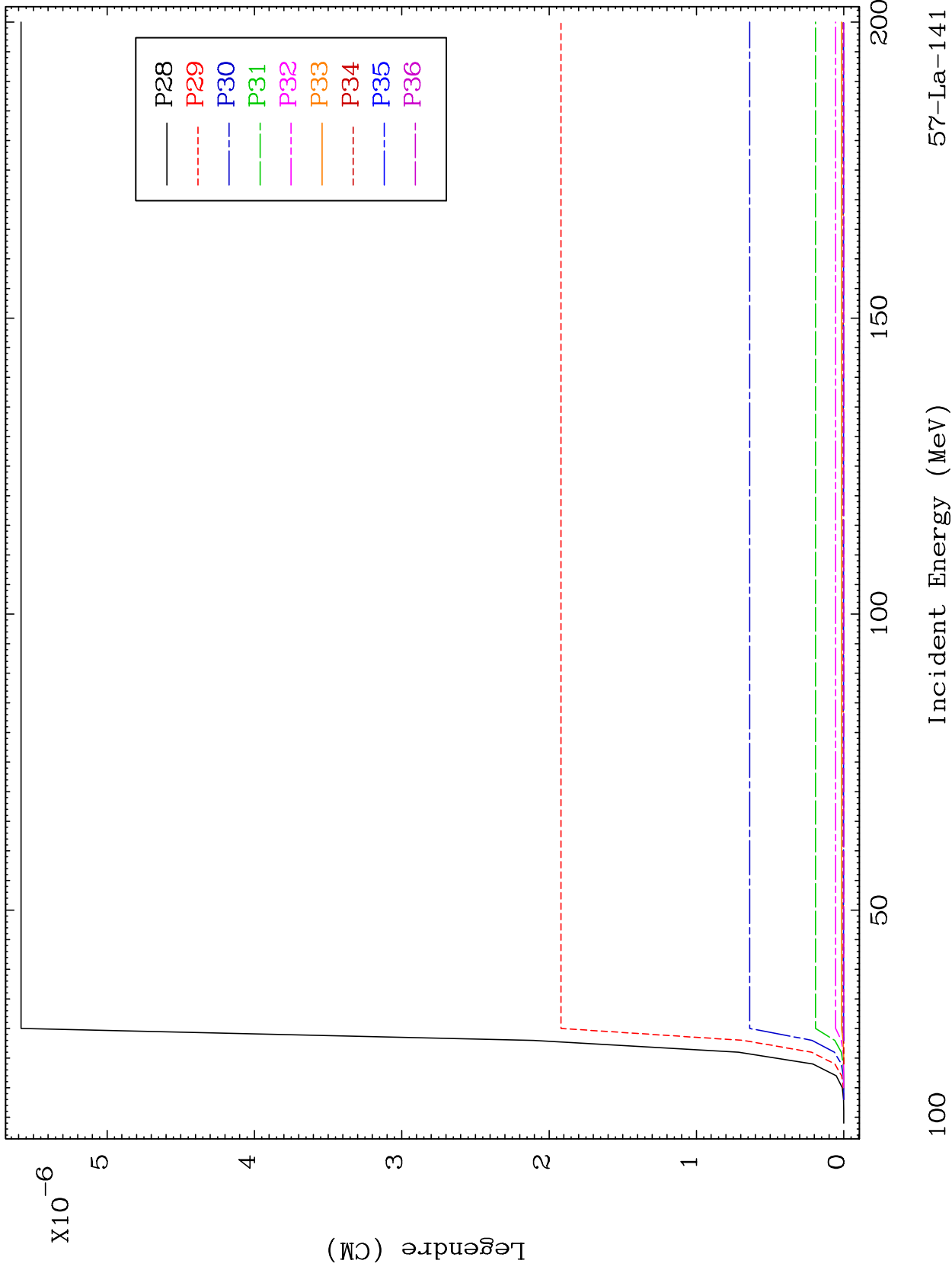
Incident Energy (MeV)

57-La-141

MAT 5734

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

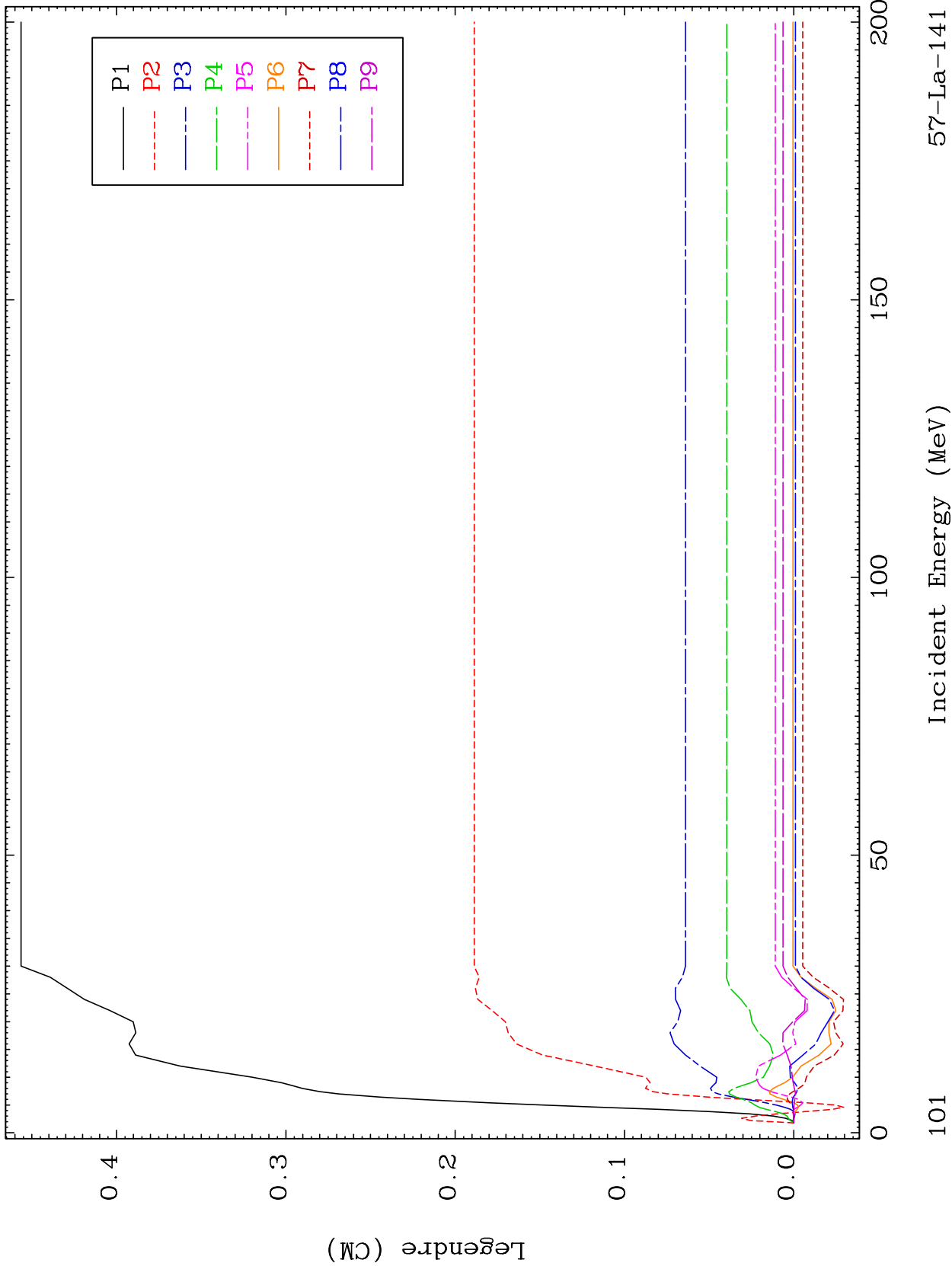
57-La-141



MAT 5734

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

57-La-141



57-La-141

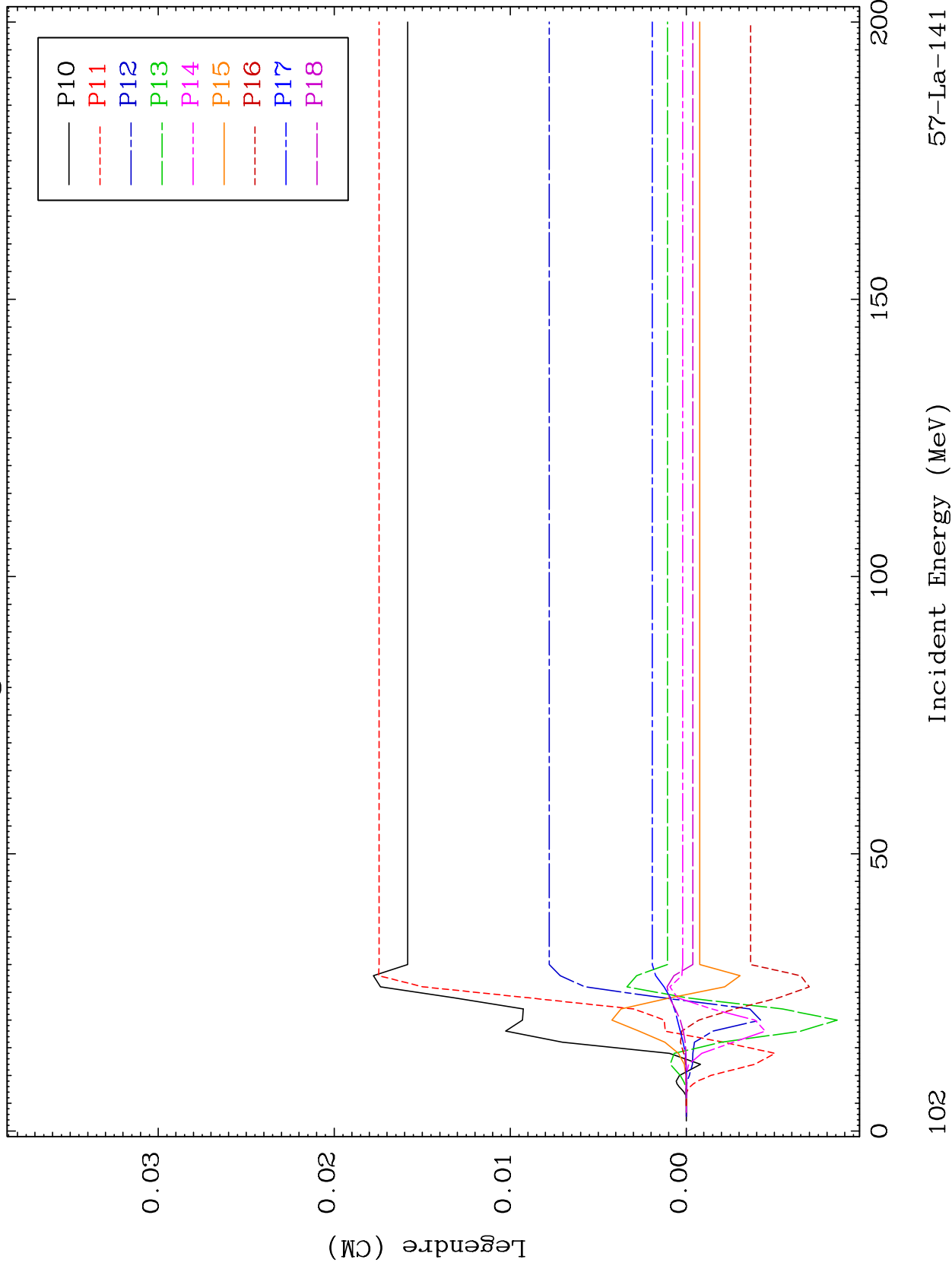
Incident Energy (MeV)

101

MAT 5734

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

57-La-141



57-La-141

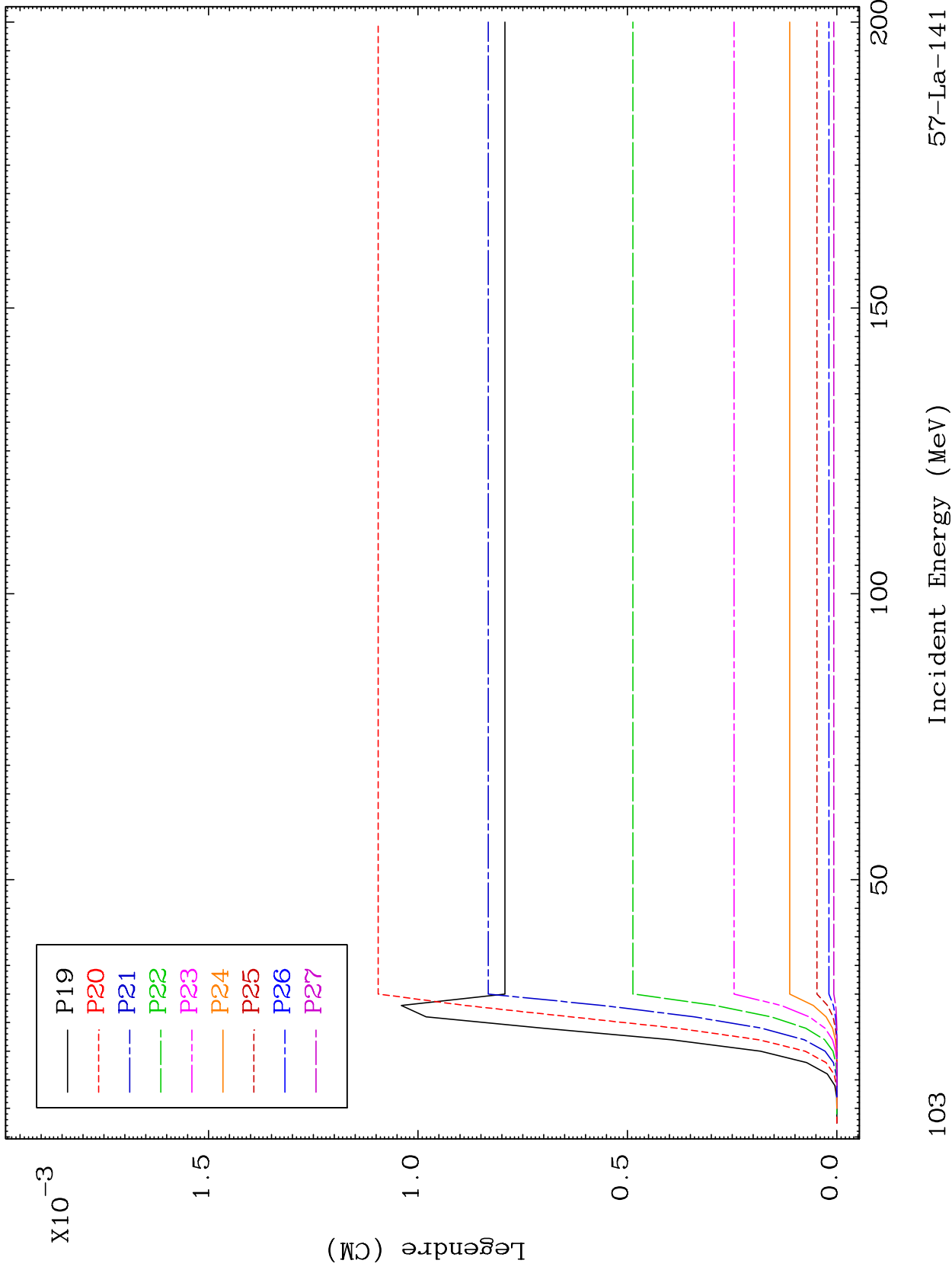
Incident Energy (MeV)

102

MAT 5734

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

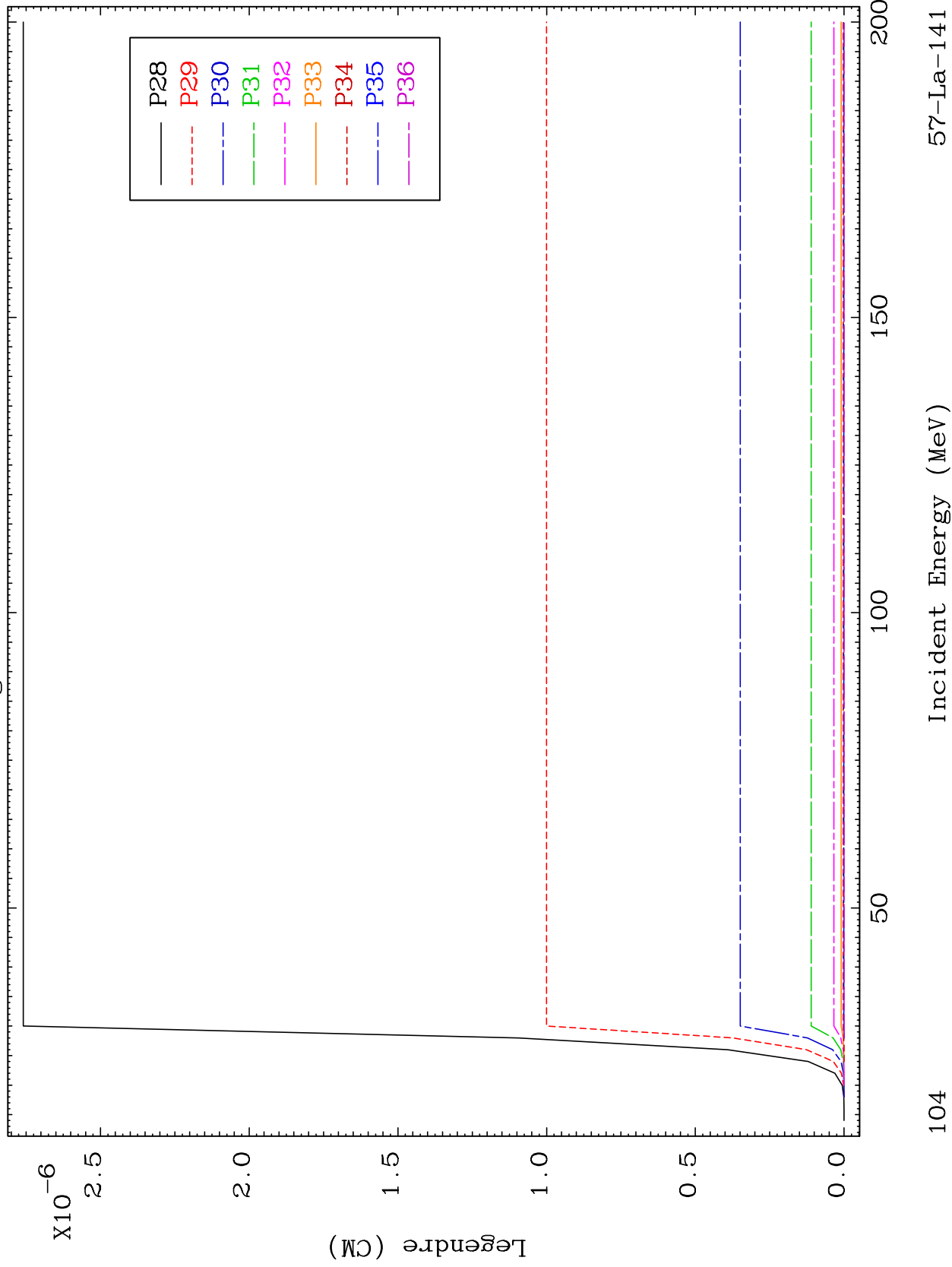
57-La-141



MAT 5734

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

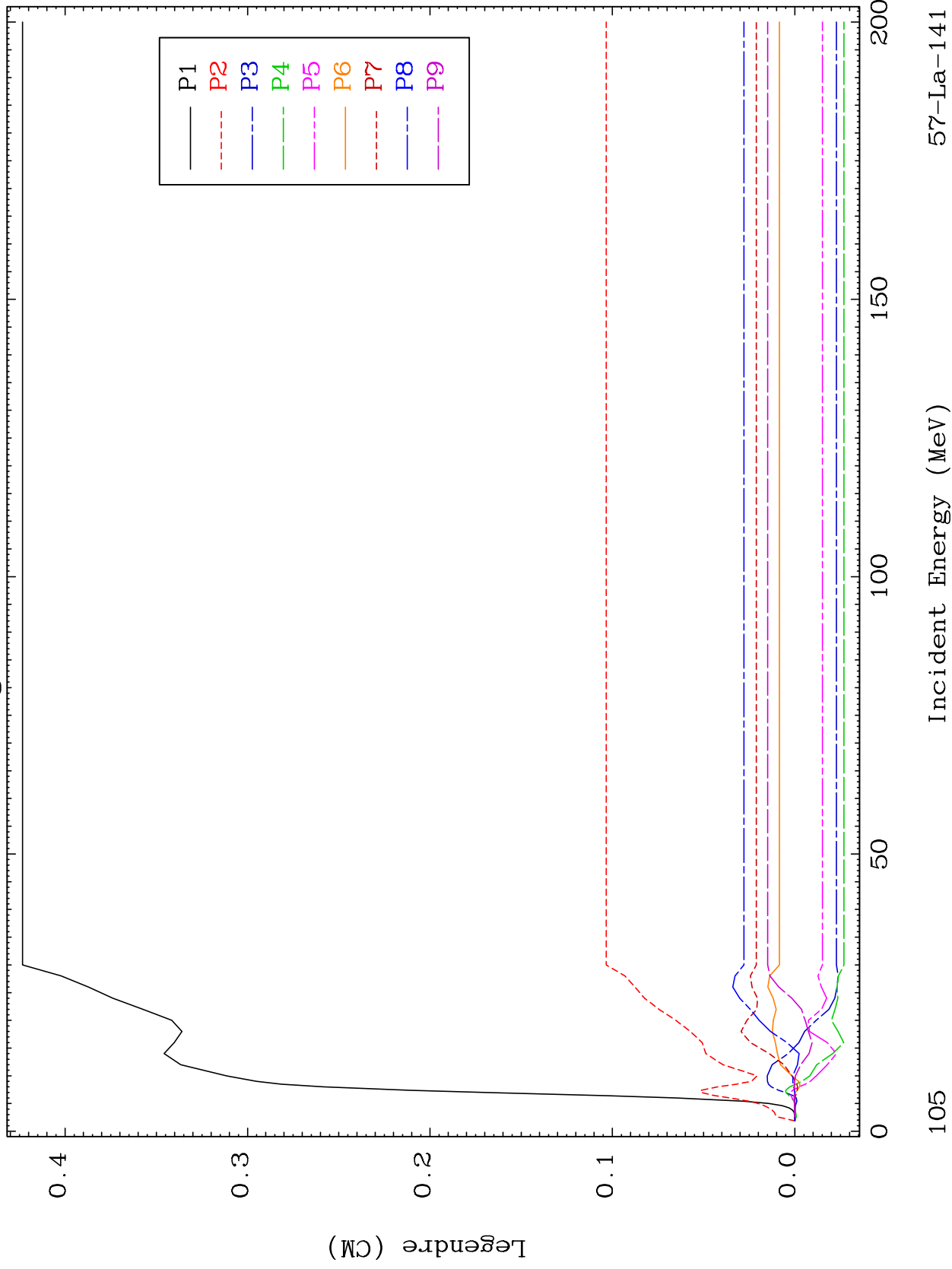
57-La-141



MAT 5734

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

57-La-141



57-La-141

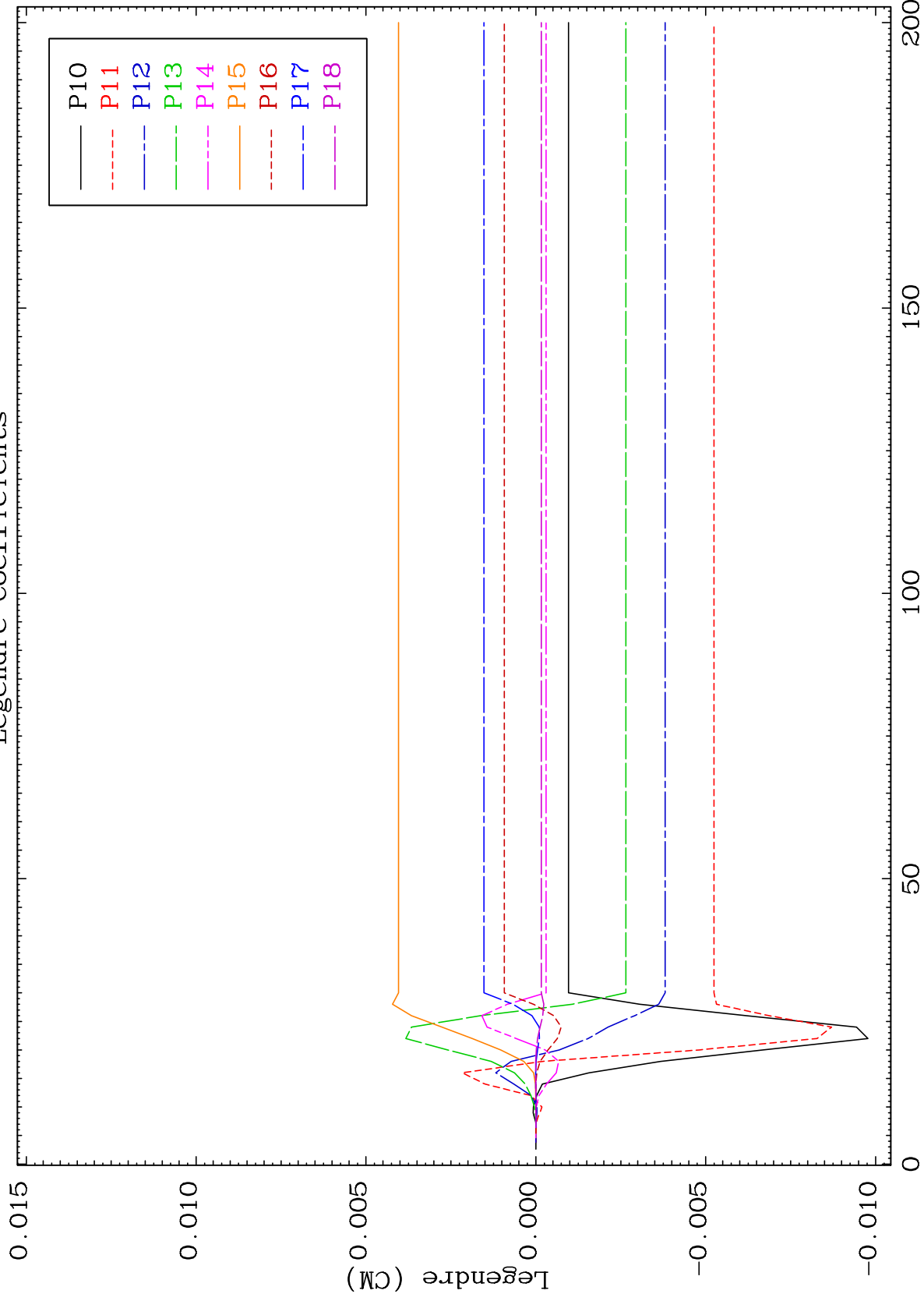
Incident Energy (MeV)

105

MAT 5734

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

57-La-141



106

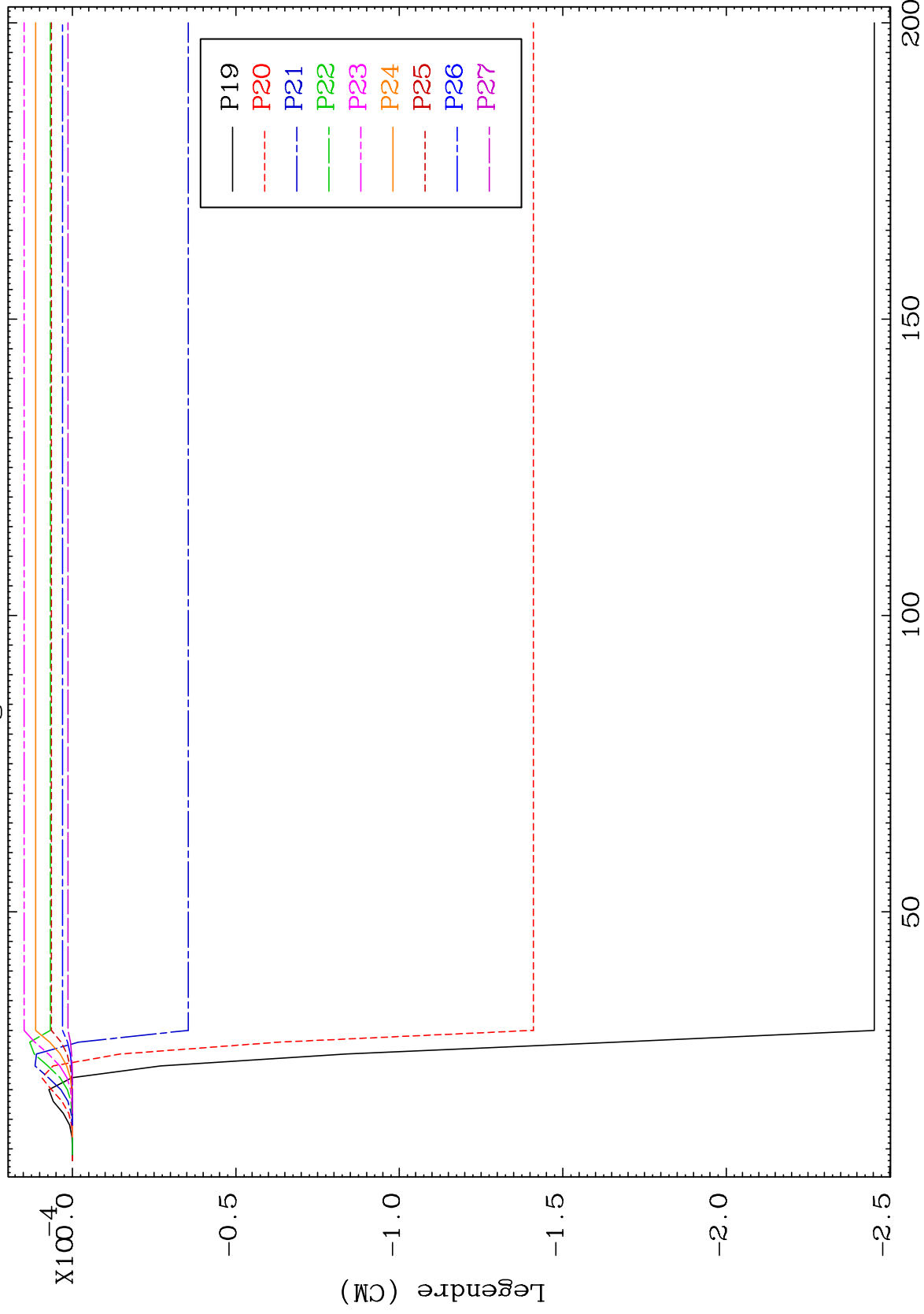
Incident Energy (MeV)

57-La-141

MAT 5734

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

57-La-141



107

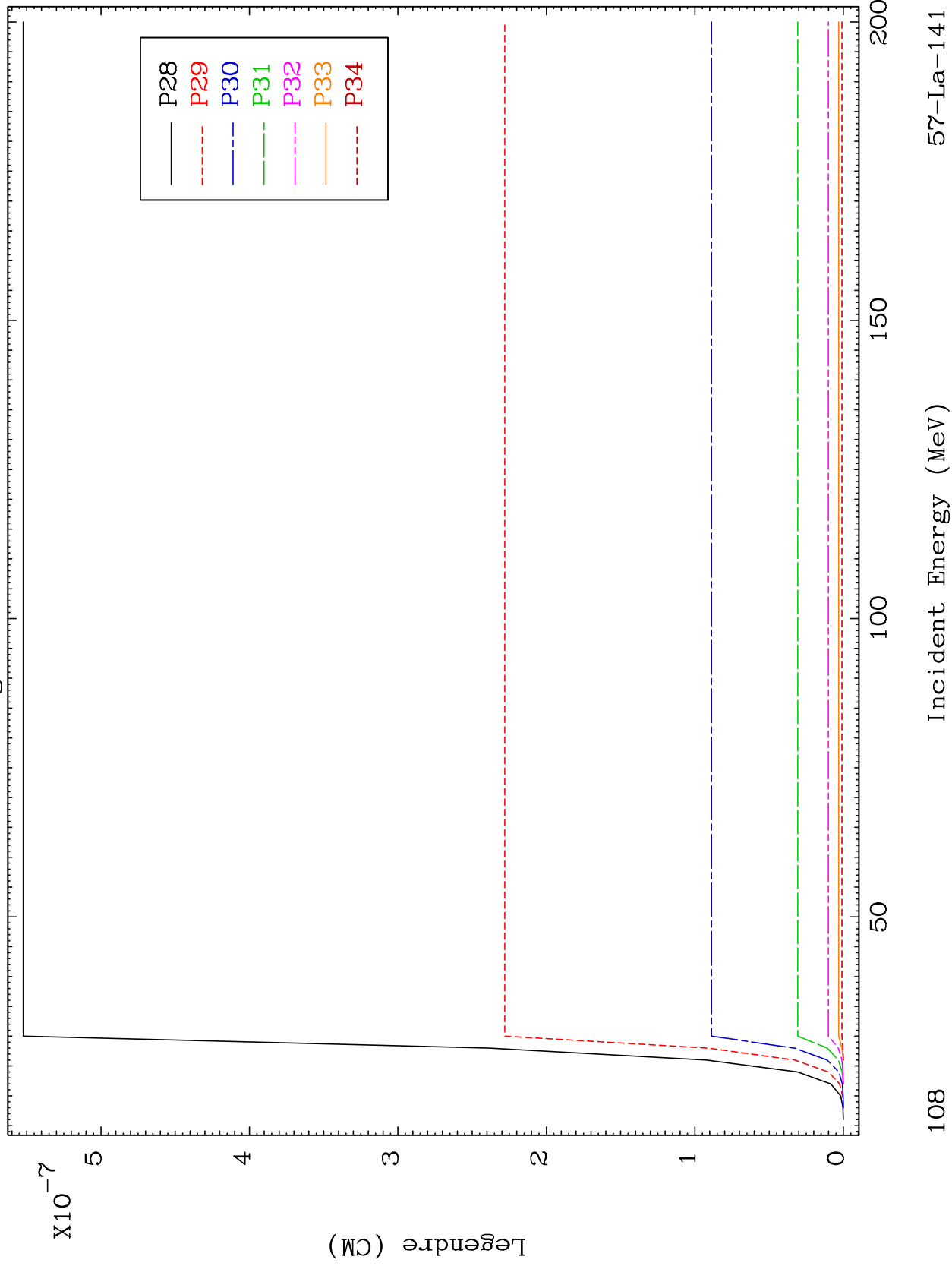
Incident Energy (MeV)

57-La-141

MAT 5734

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

57-La-141



108

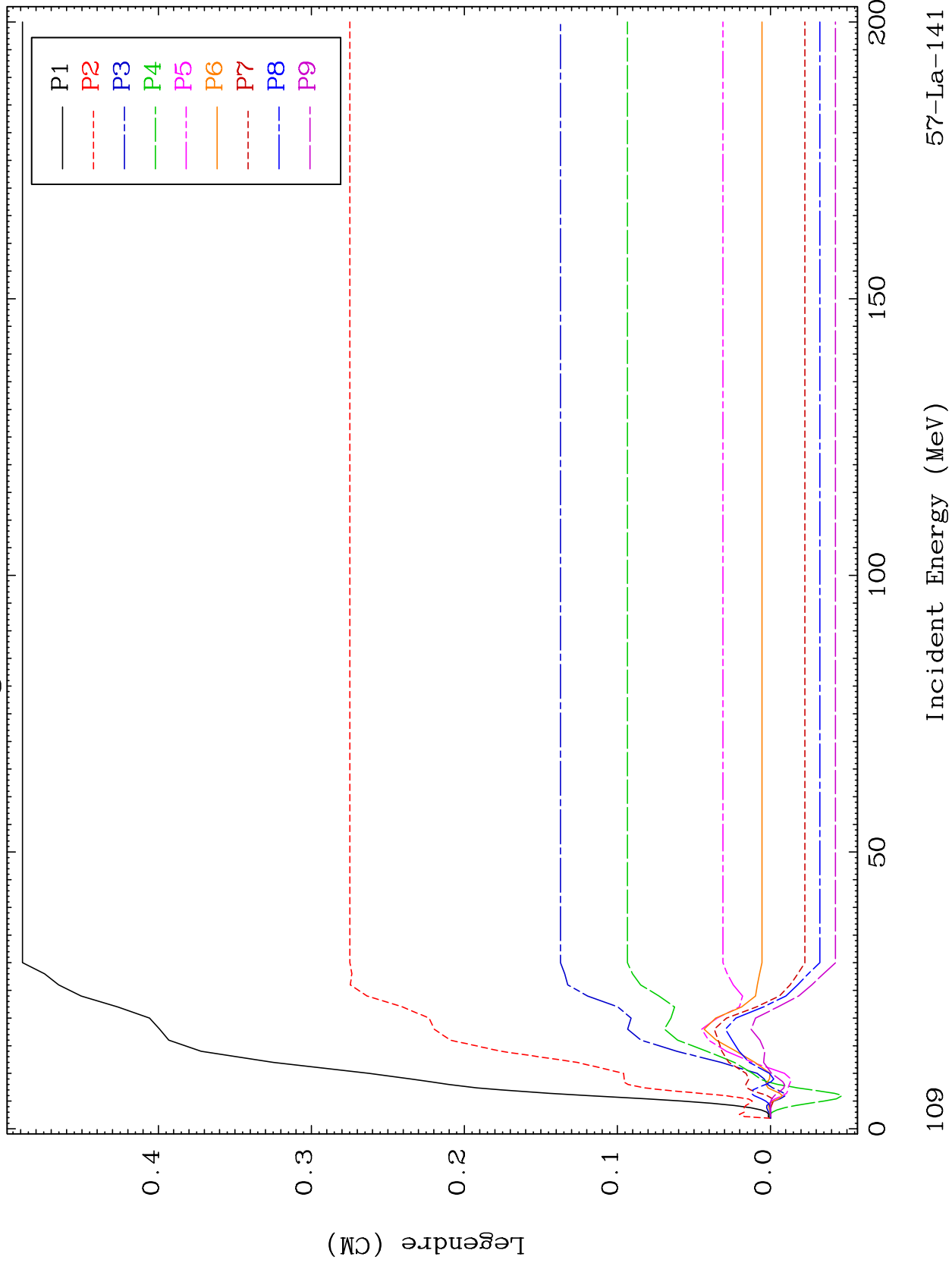
Incident Energy (MeV)

57-La-141

MAT 5734

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

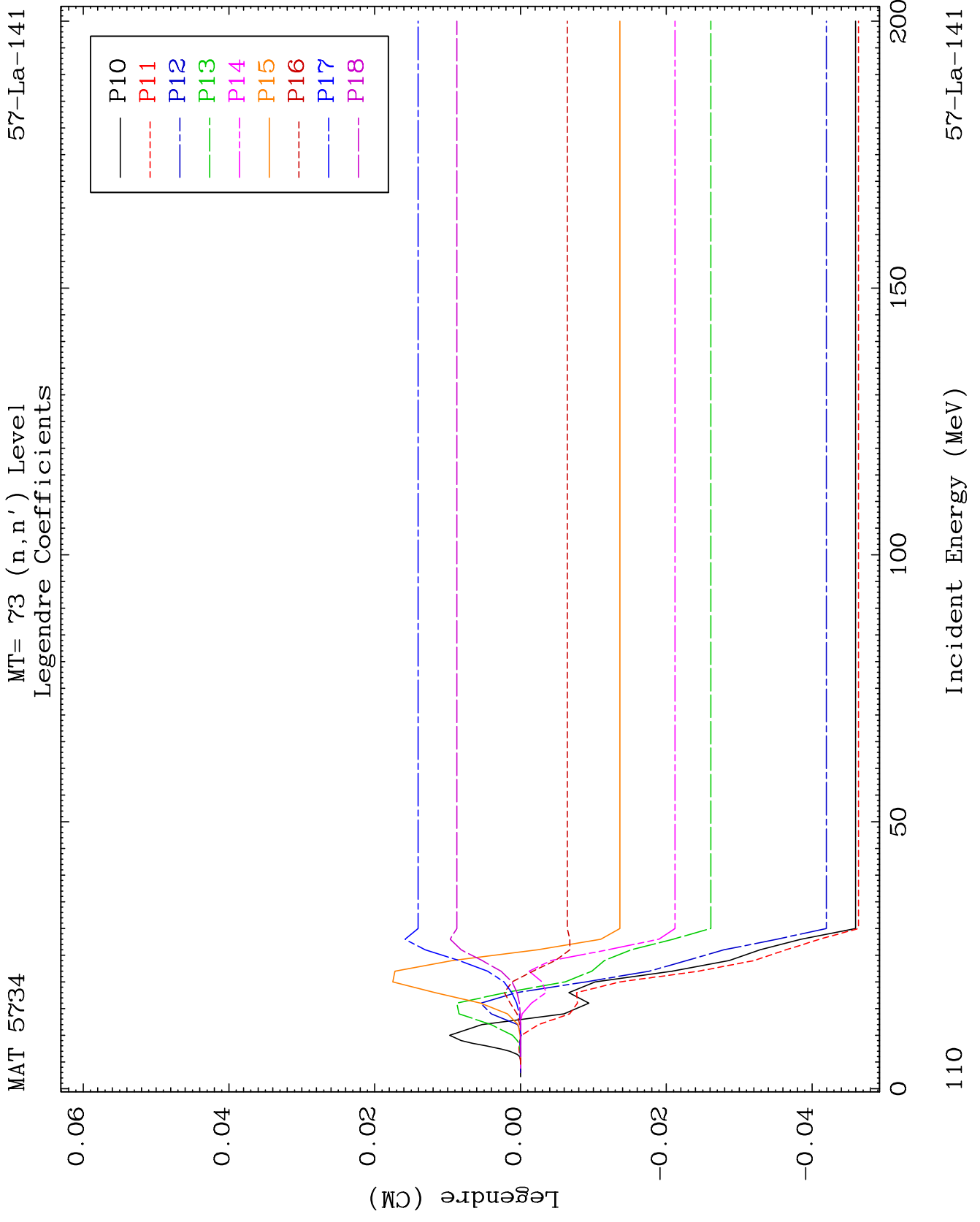
57-La-141



57-La-141

Incident Energy (MeV)

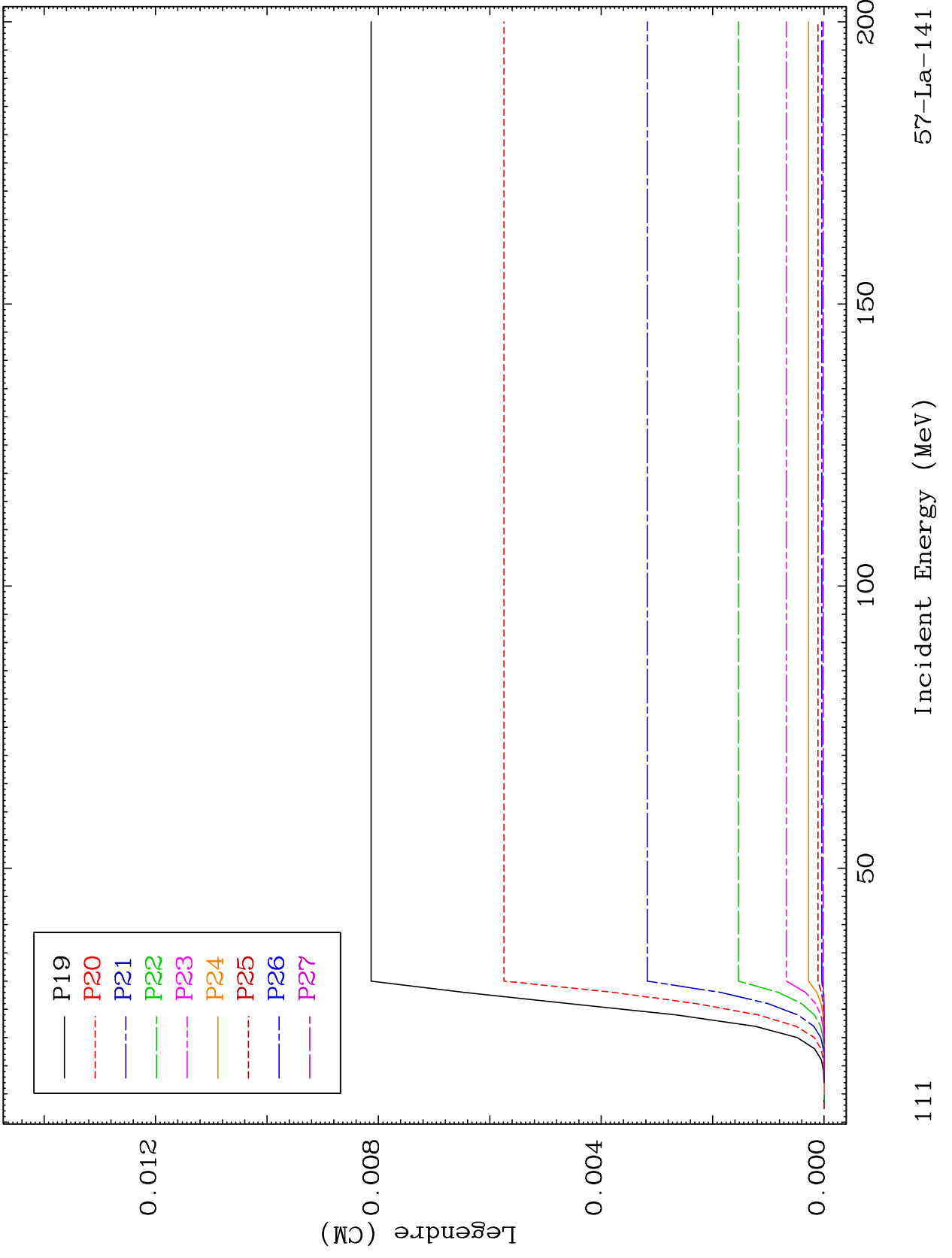
109



MAT 5734

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

57-La-141



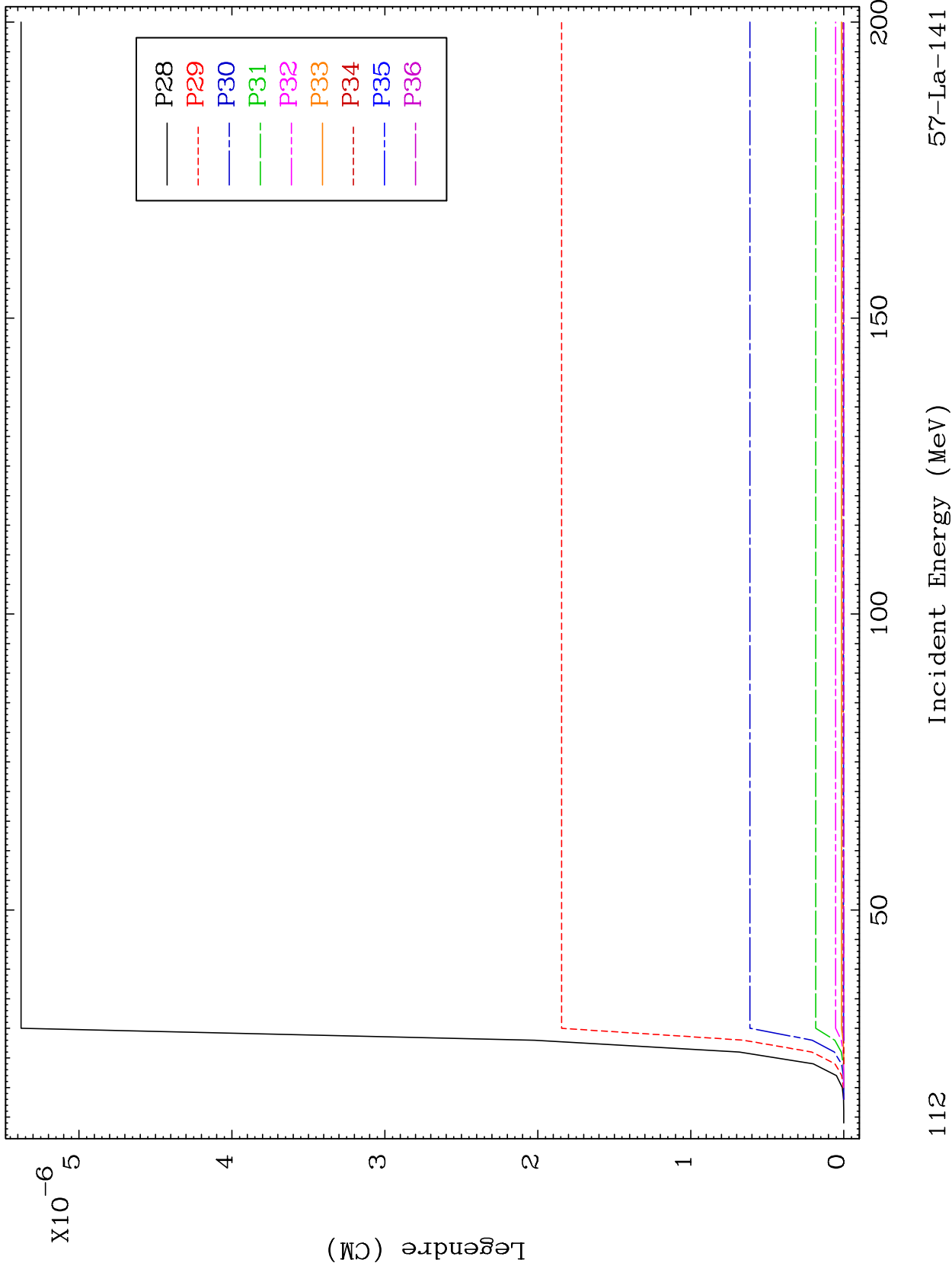
111

57-La-141

MAT 5734

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

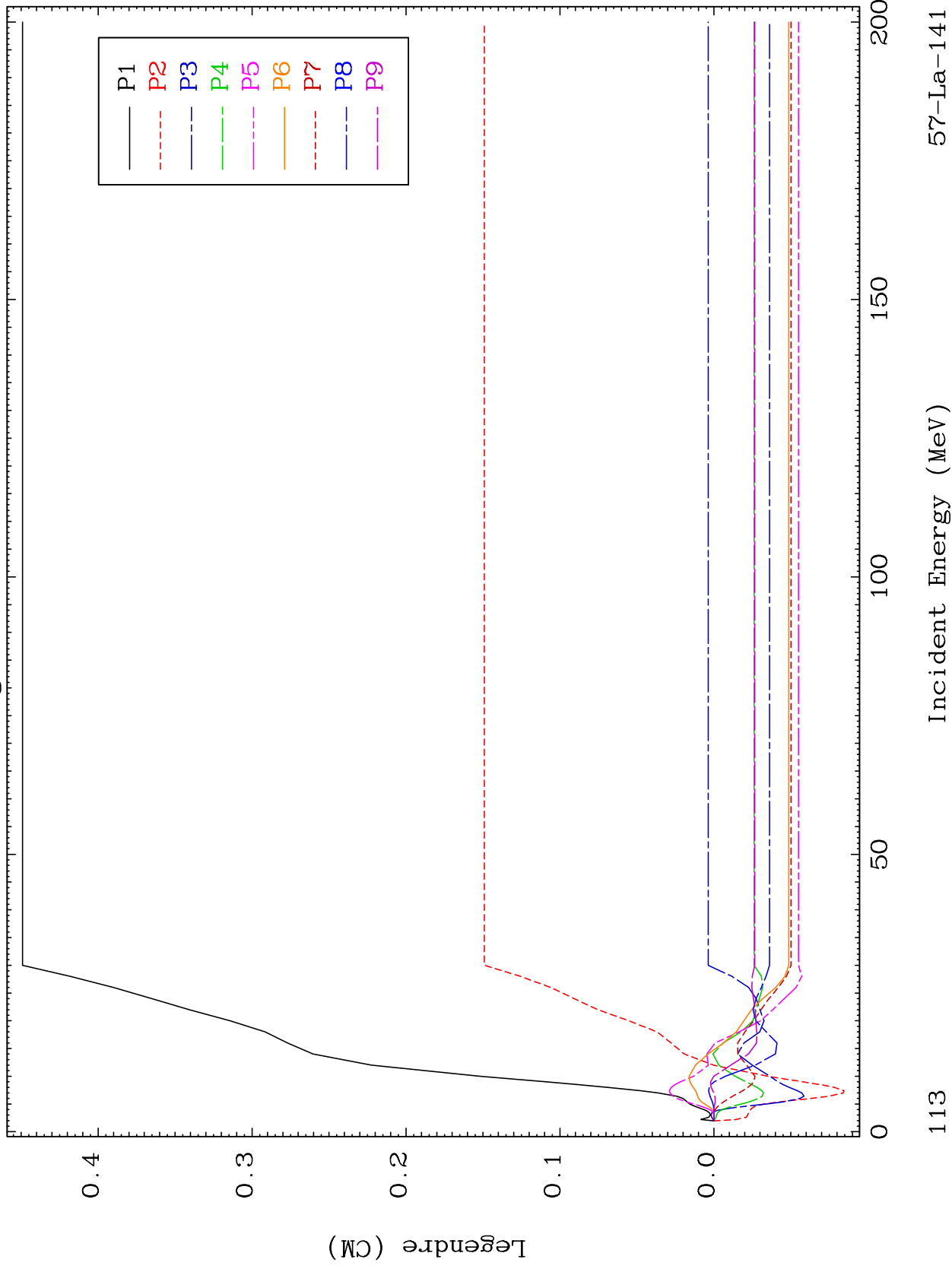
57-La-141



MAT 5734

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

57-La-141



57-La-141

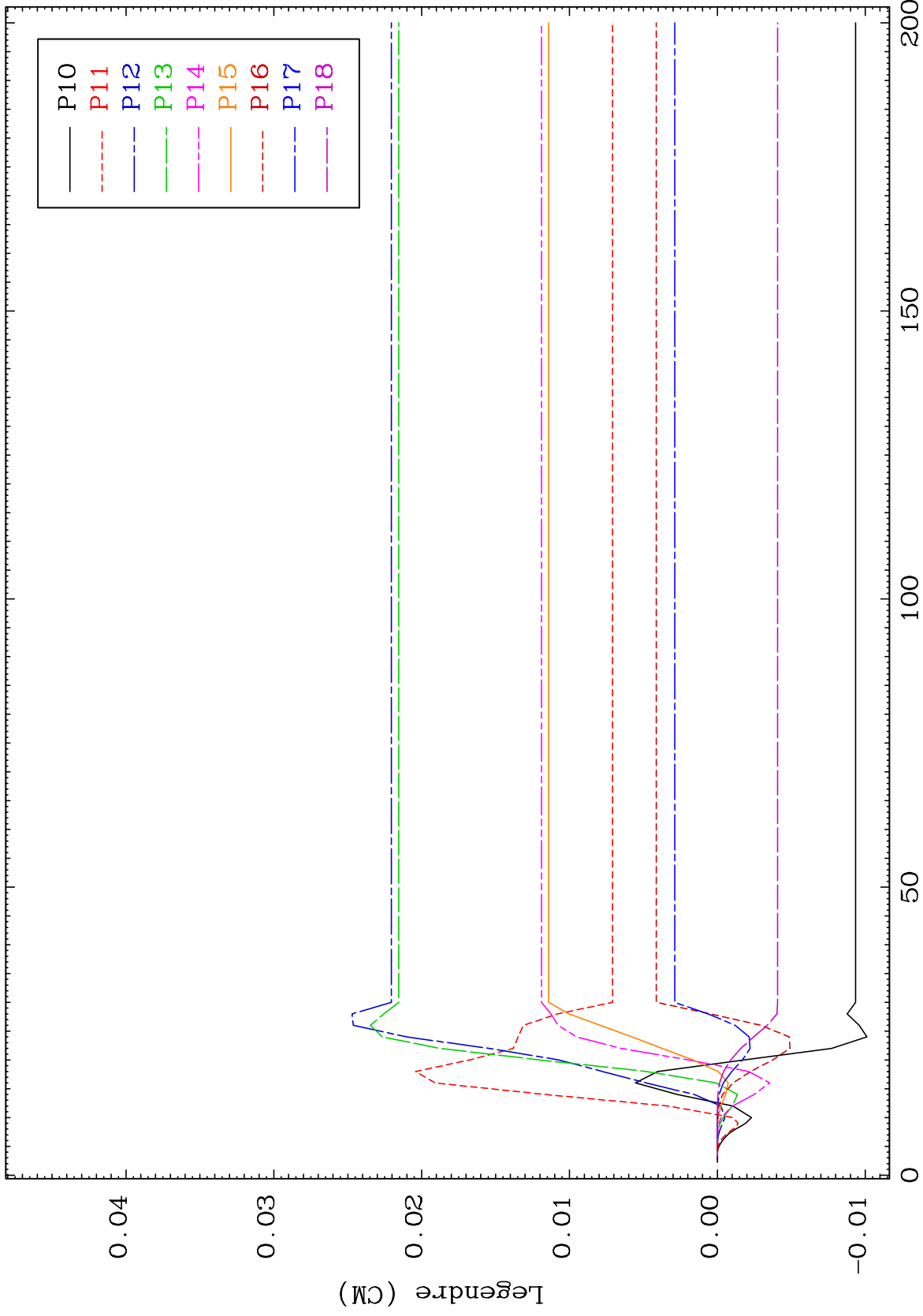
Incident Energy (MeV)

113

MAT 5734

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

57-La-141



114

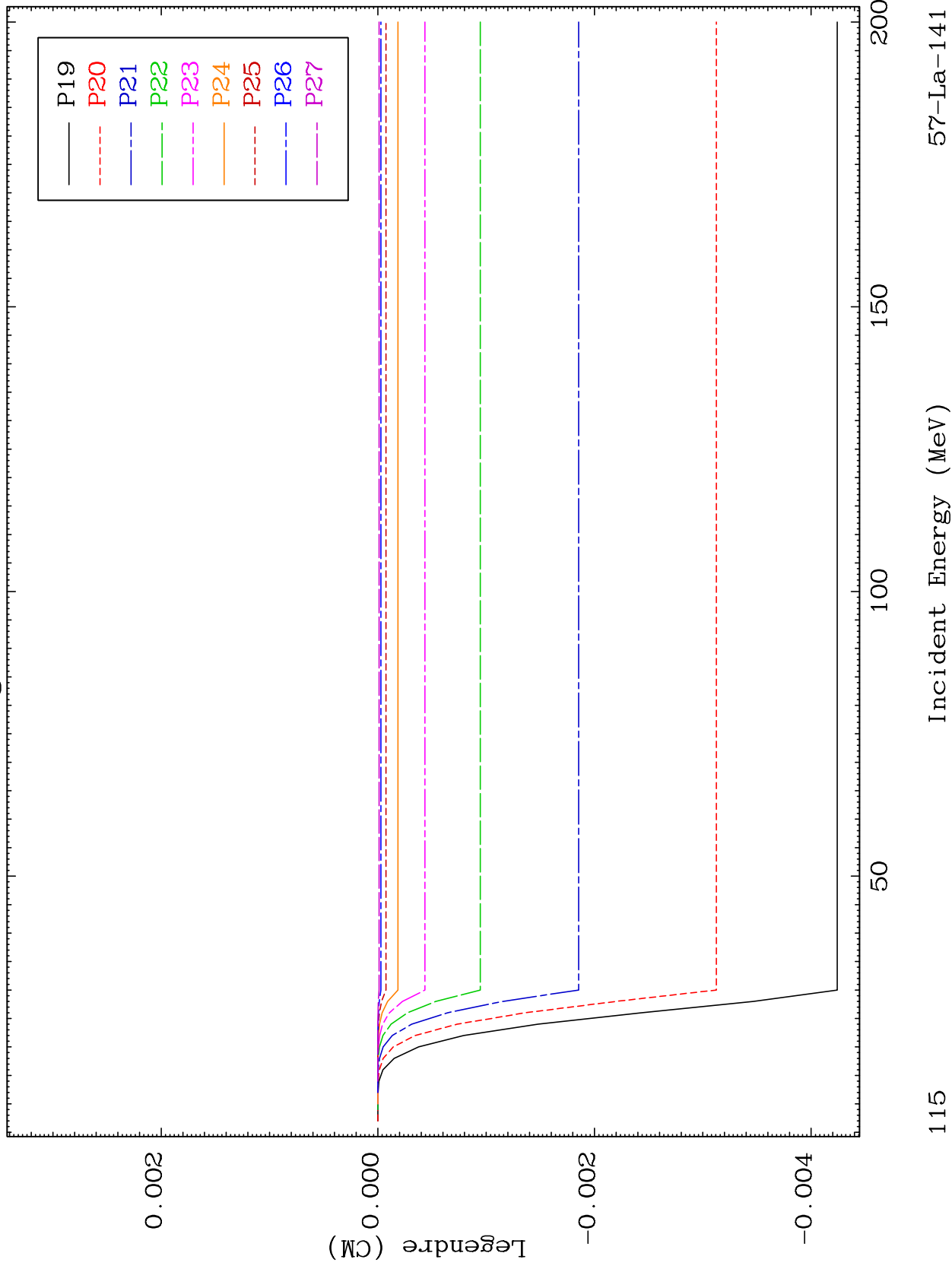
Incident Energy (MeV)

57-La-141

MAT 5734

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

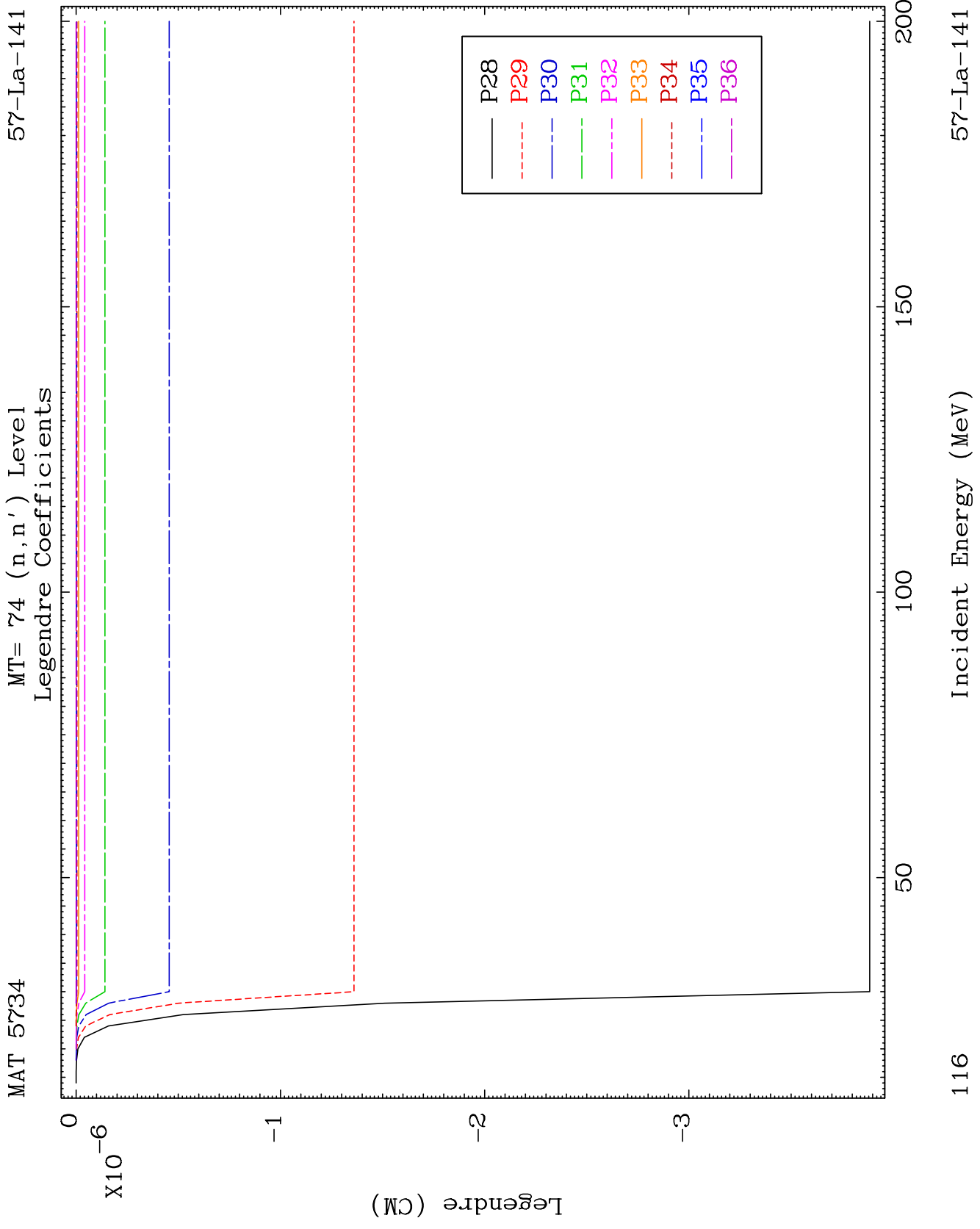
57-La-141



115

Incident Energy (MeV)

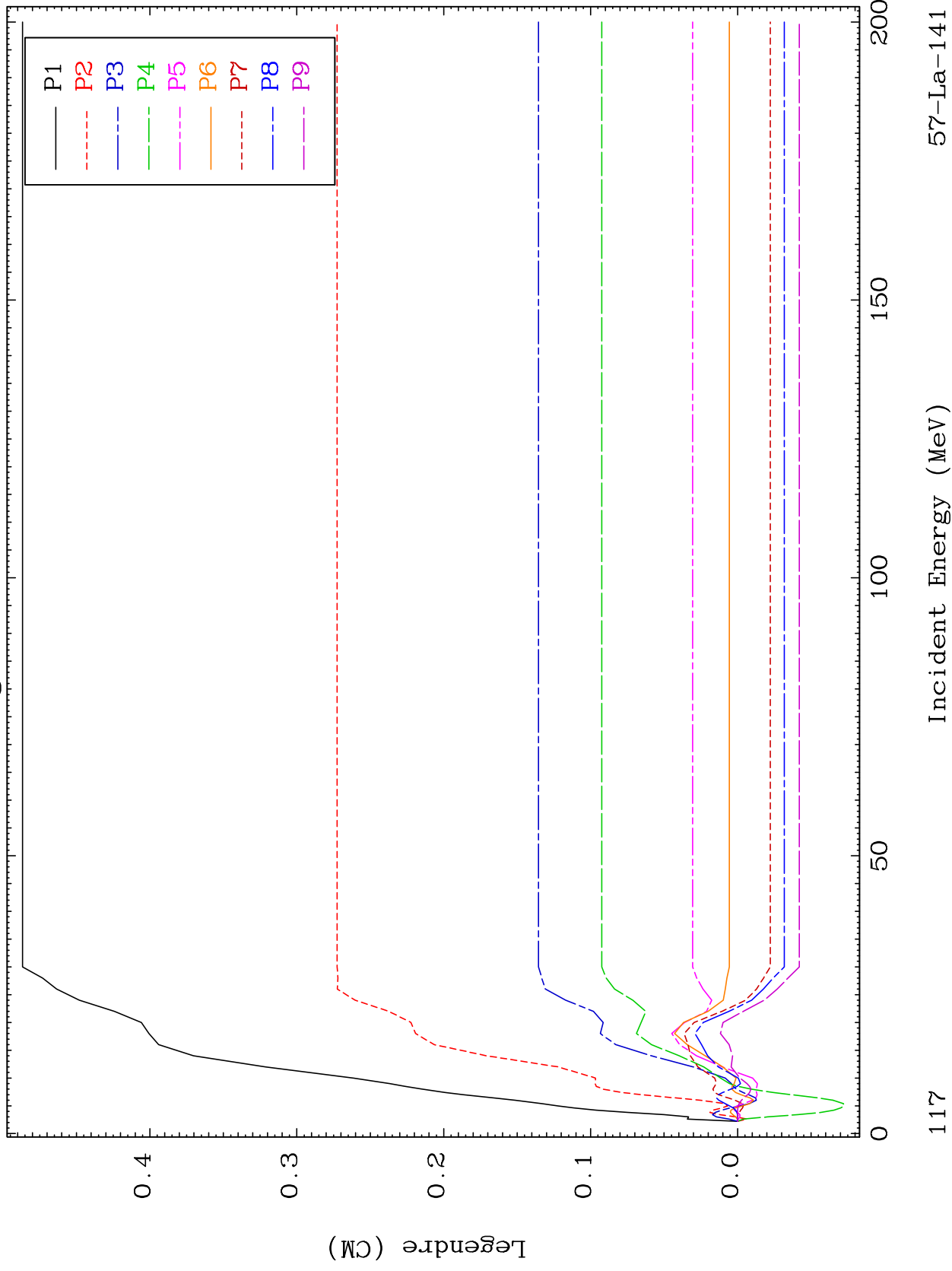
57-La-141



MAT 5734

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

57-La-141



57-La-141

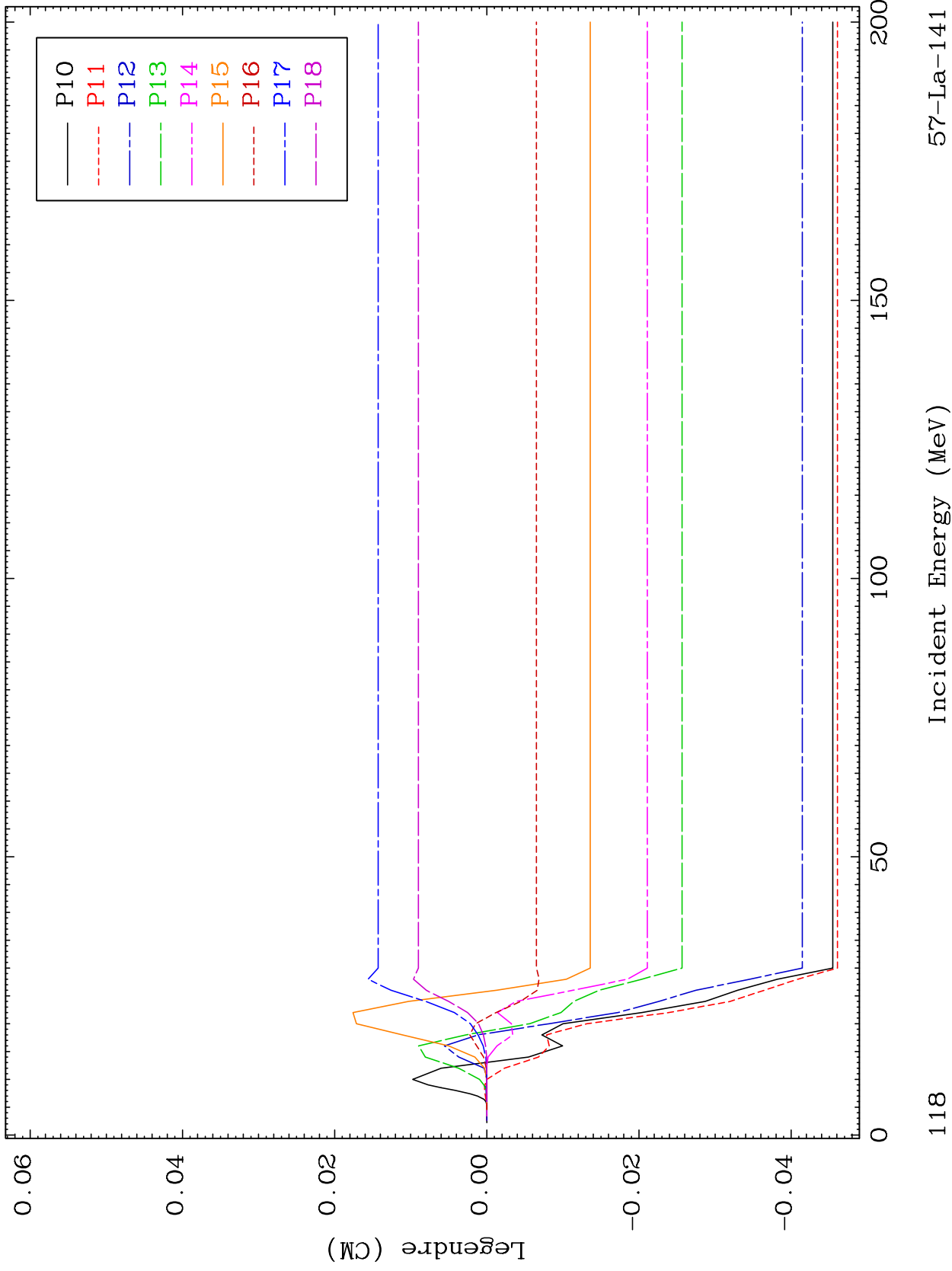
Incident Energy (MeV)

117

MAT 5734

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

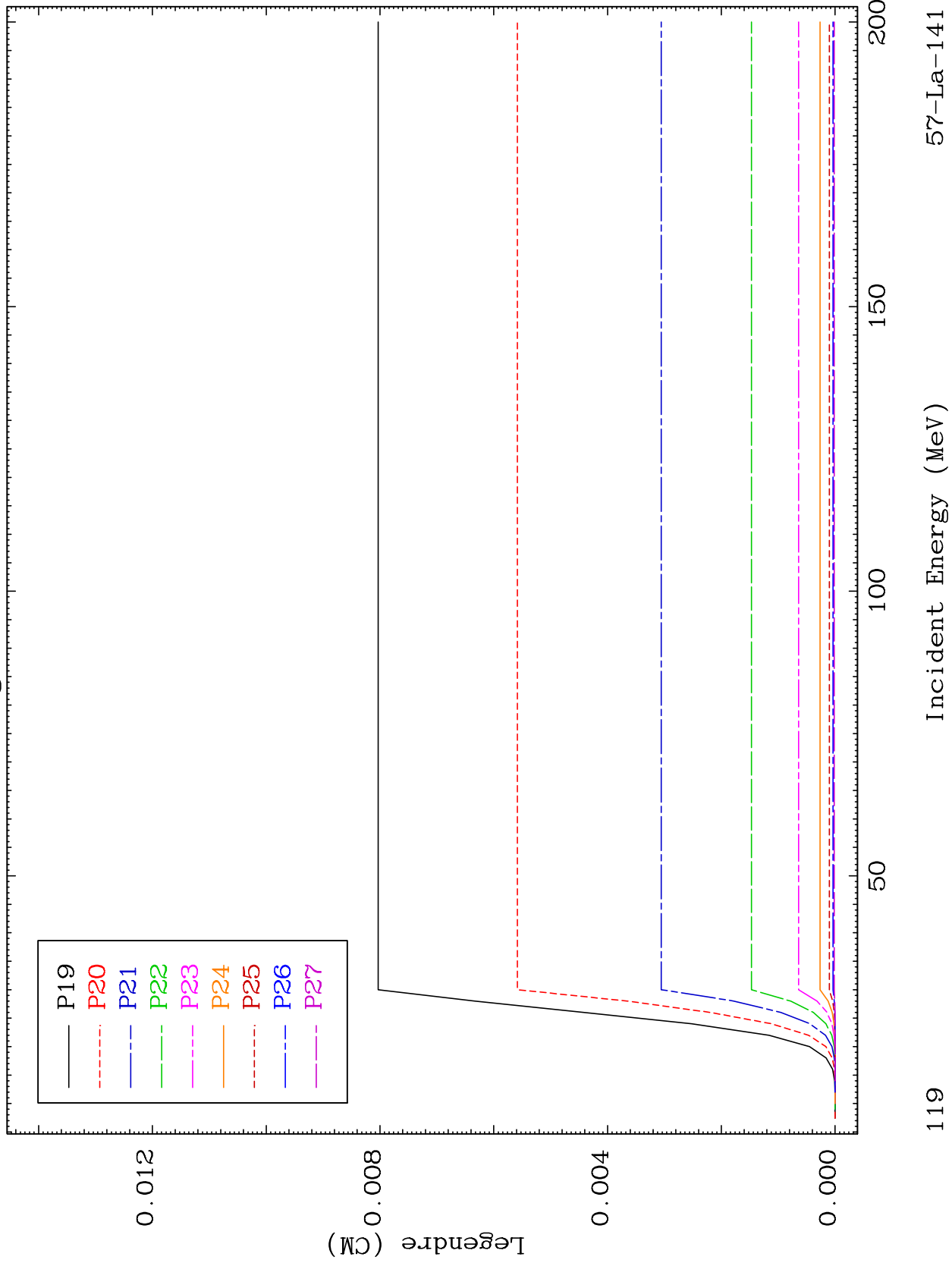
57-La-141



MAT 5734

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

57-La-141



119

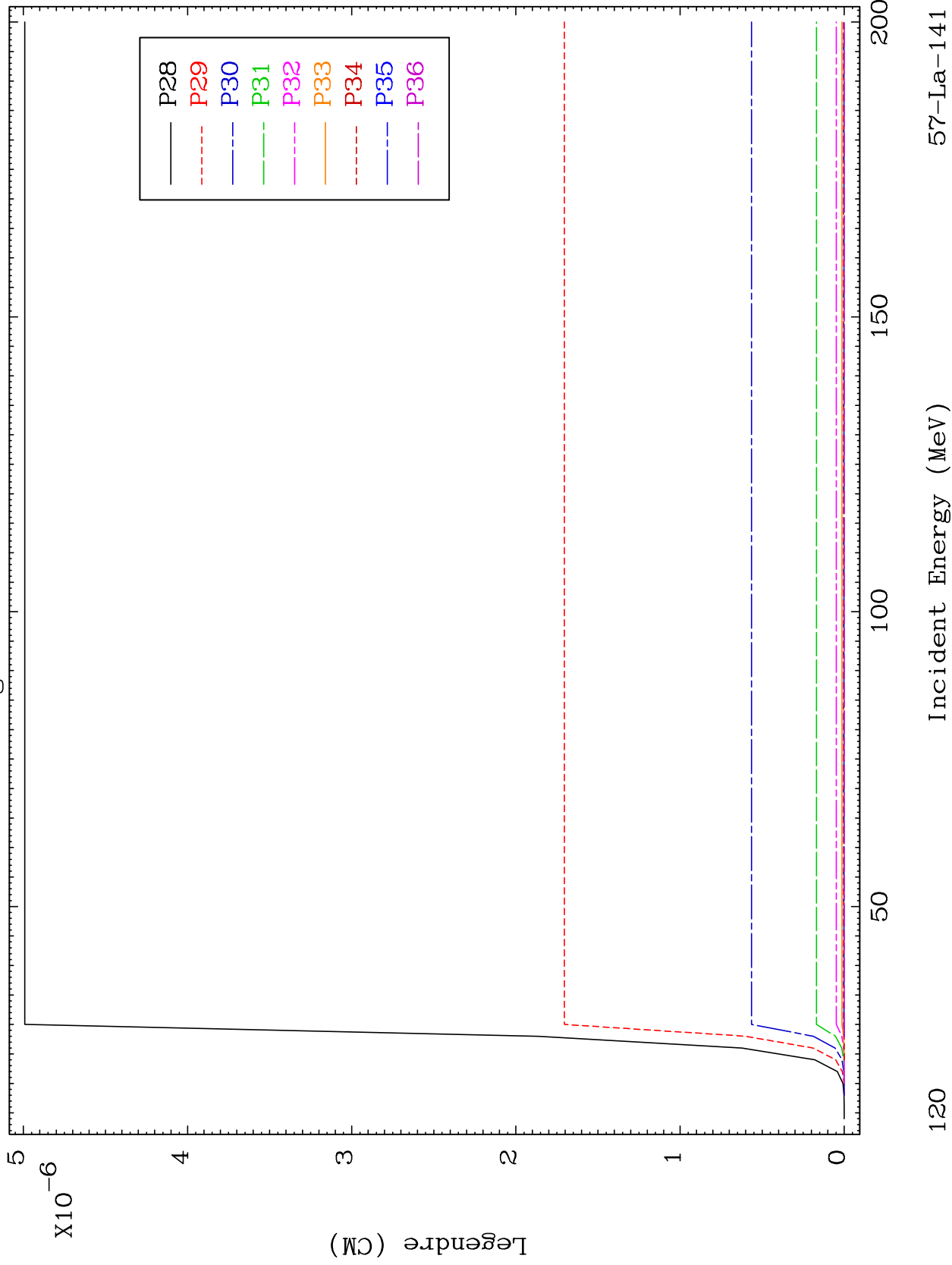
Incident Energy (MeV)

57-La-141

MAT 5734

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

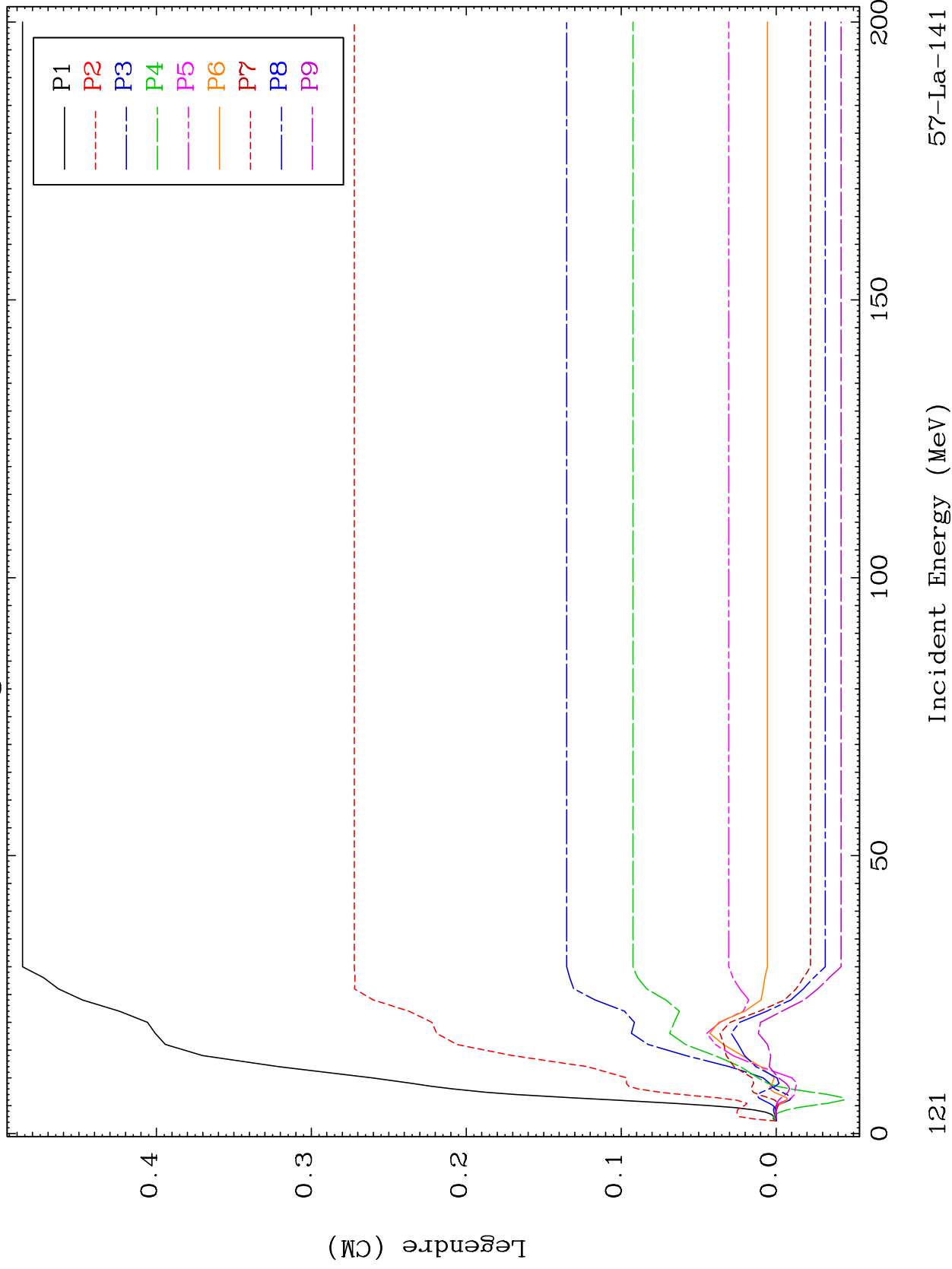
57-La-141



MAT 5734

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

57-La-141



57-La-141

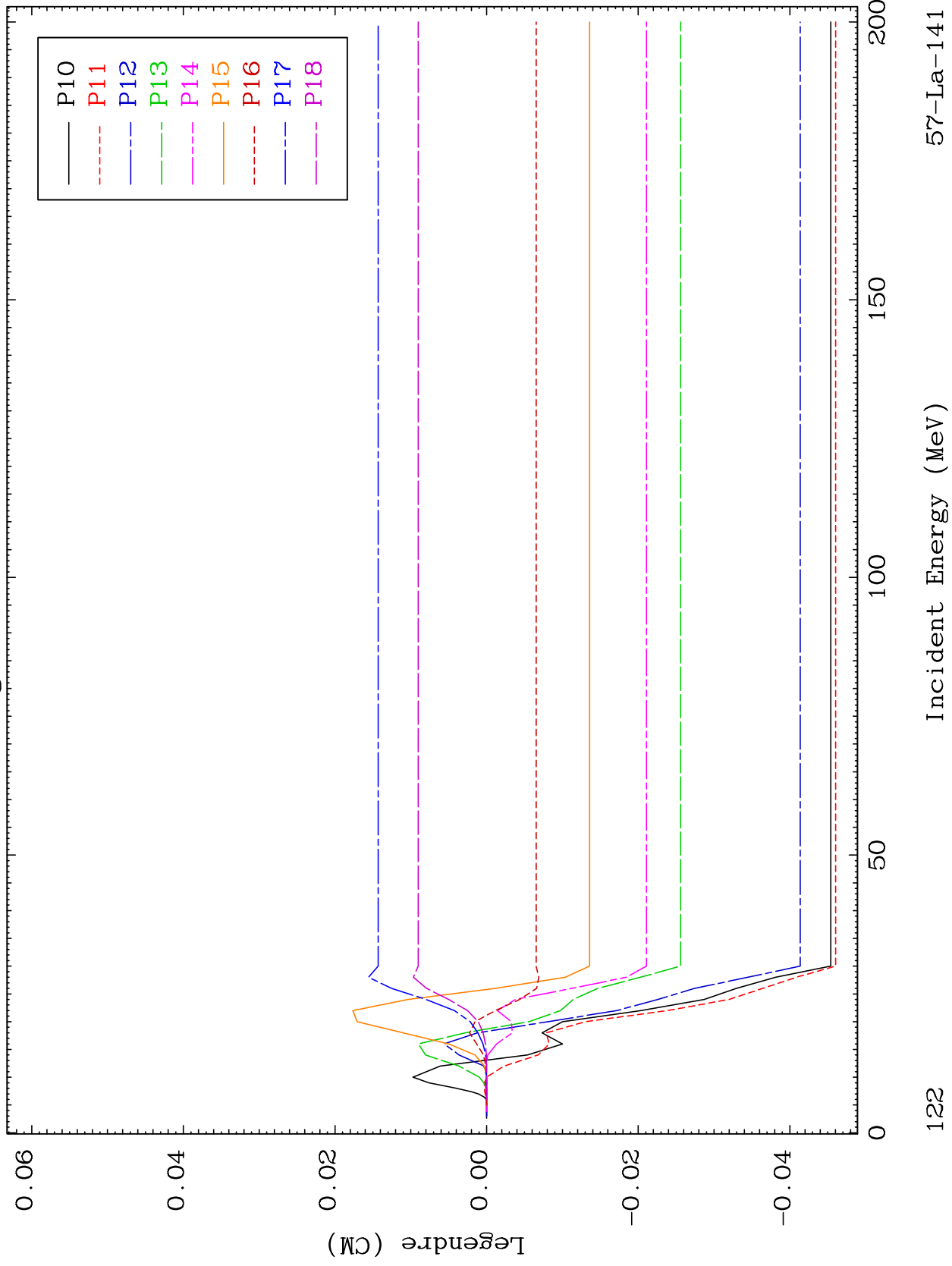
Incident Energy (MeV)

121

MAT 5734

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

57-La-141



57-La-141

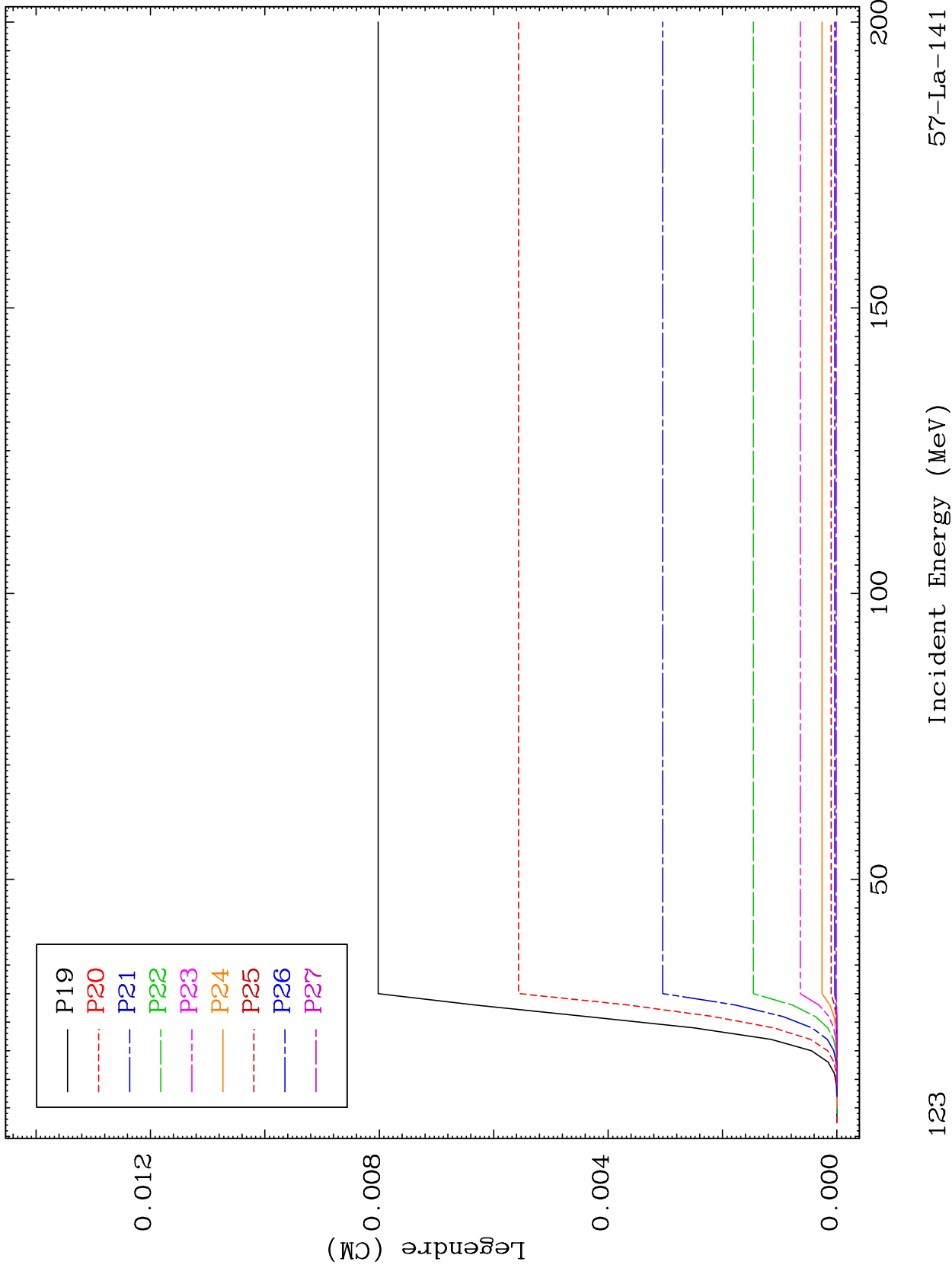
Incident Energy (MeV)

122

MAT 5734

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

57-La-141



123

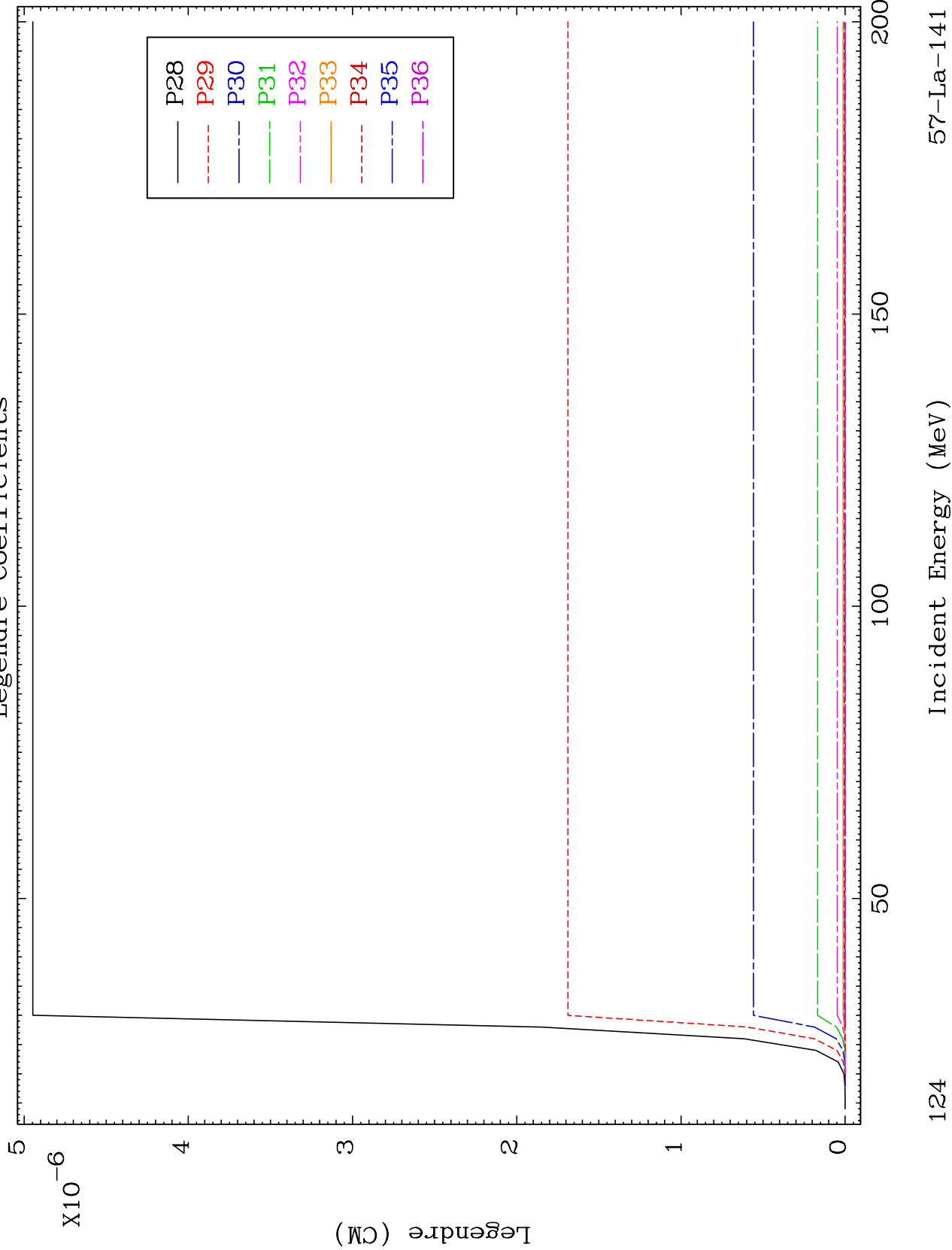
Incident Energy (MeV)

57-La-141

MAT 5734

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

57-La-141



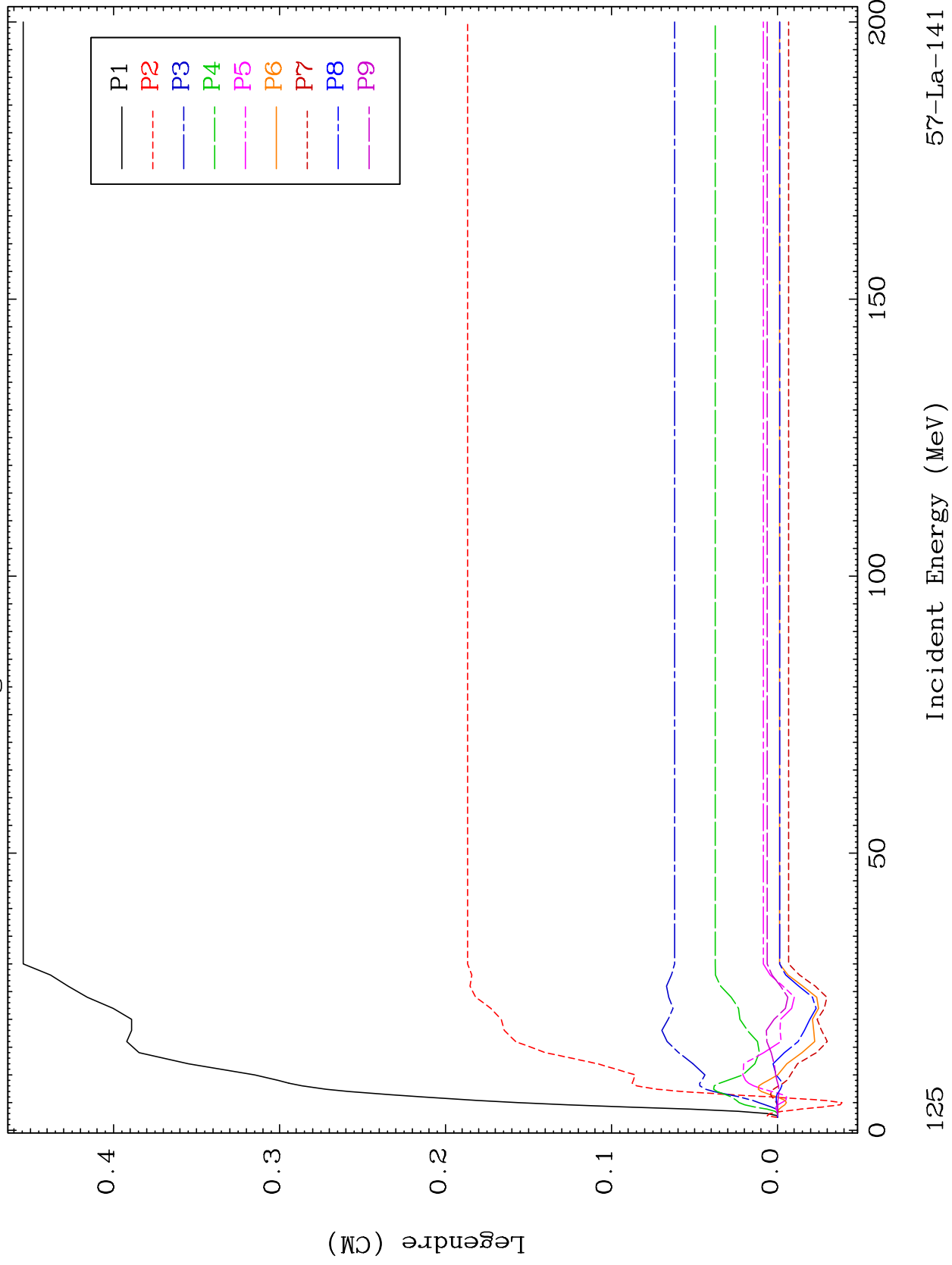
124

57-La-141

MAT 5734

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

57-La-141



57-La-141

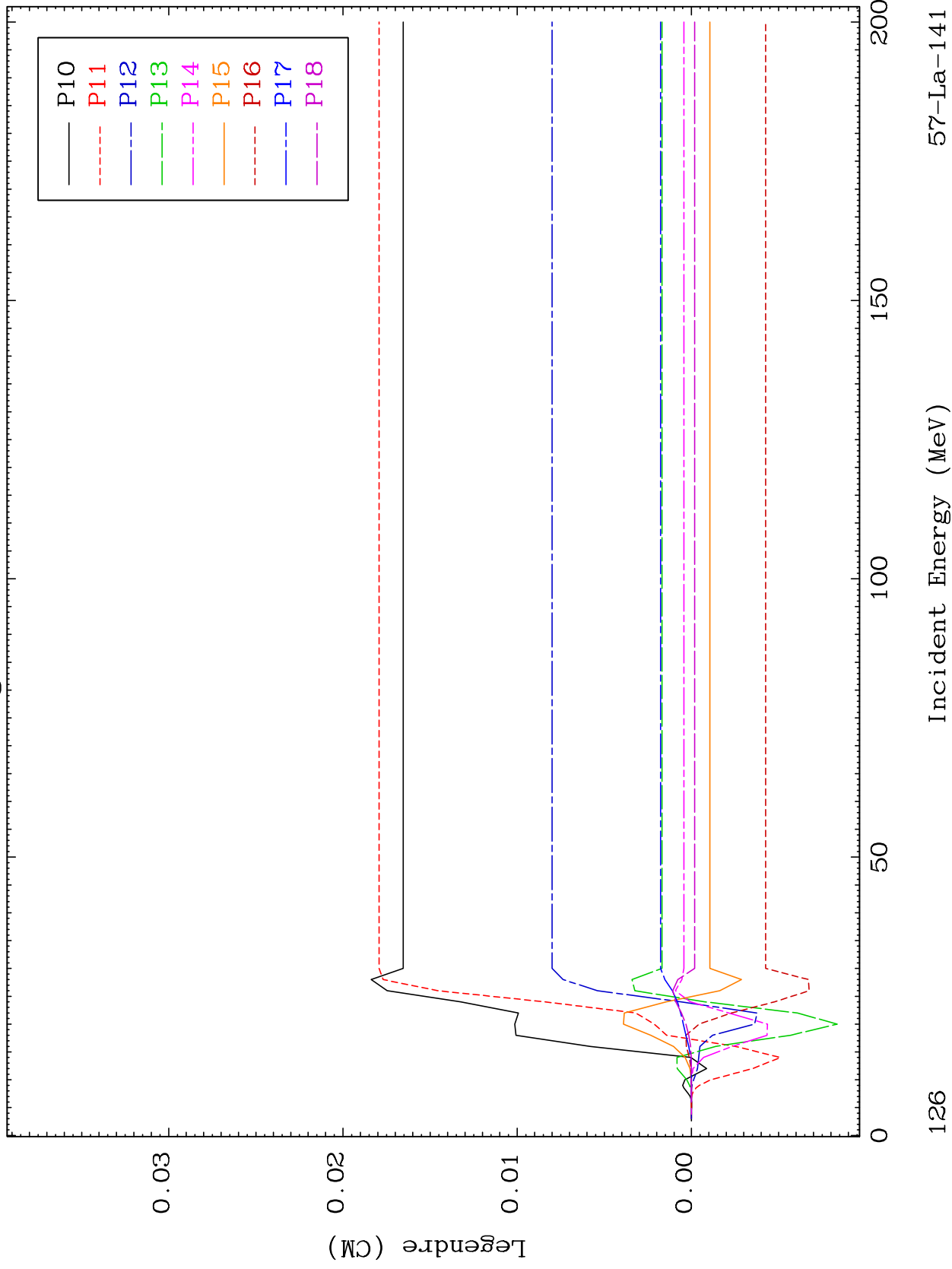
Incident Energy (MeV)

125

MAT 5734

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

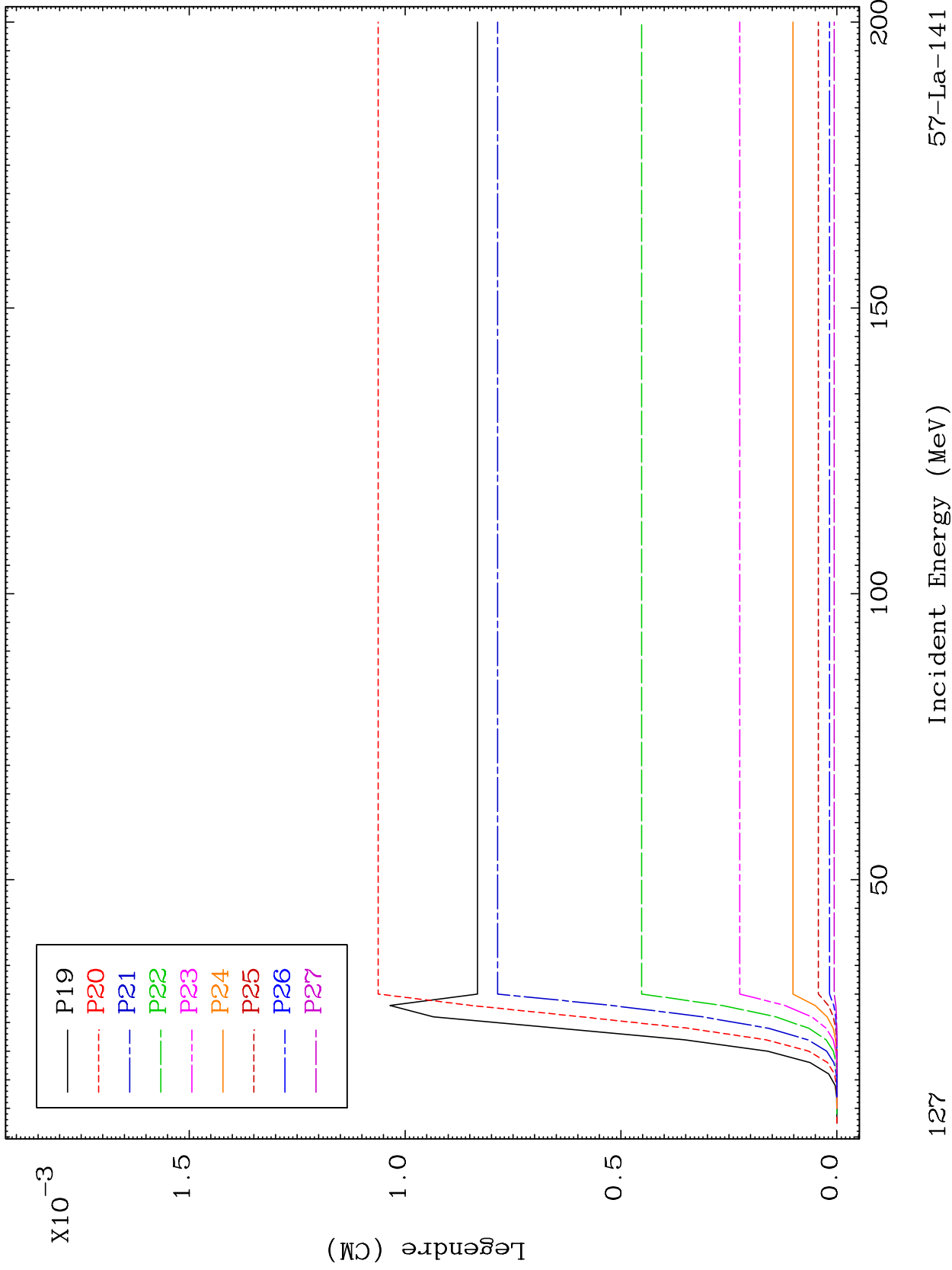
57-La-141



MAT 5734

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

57-La-141



127

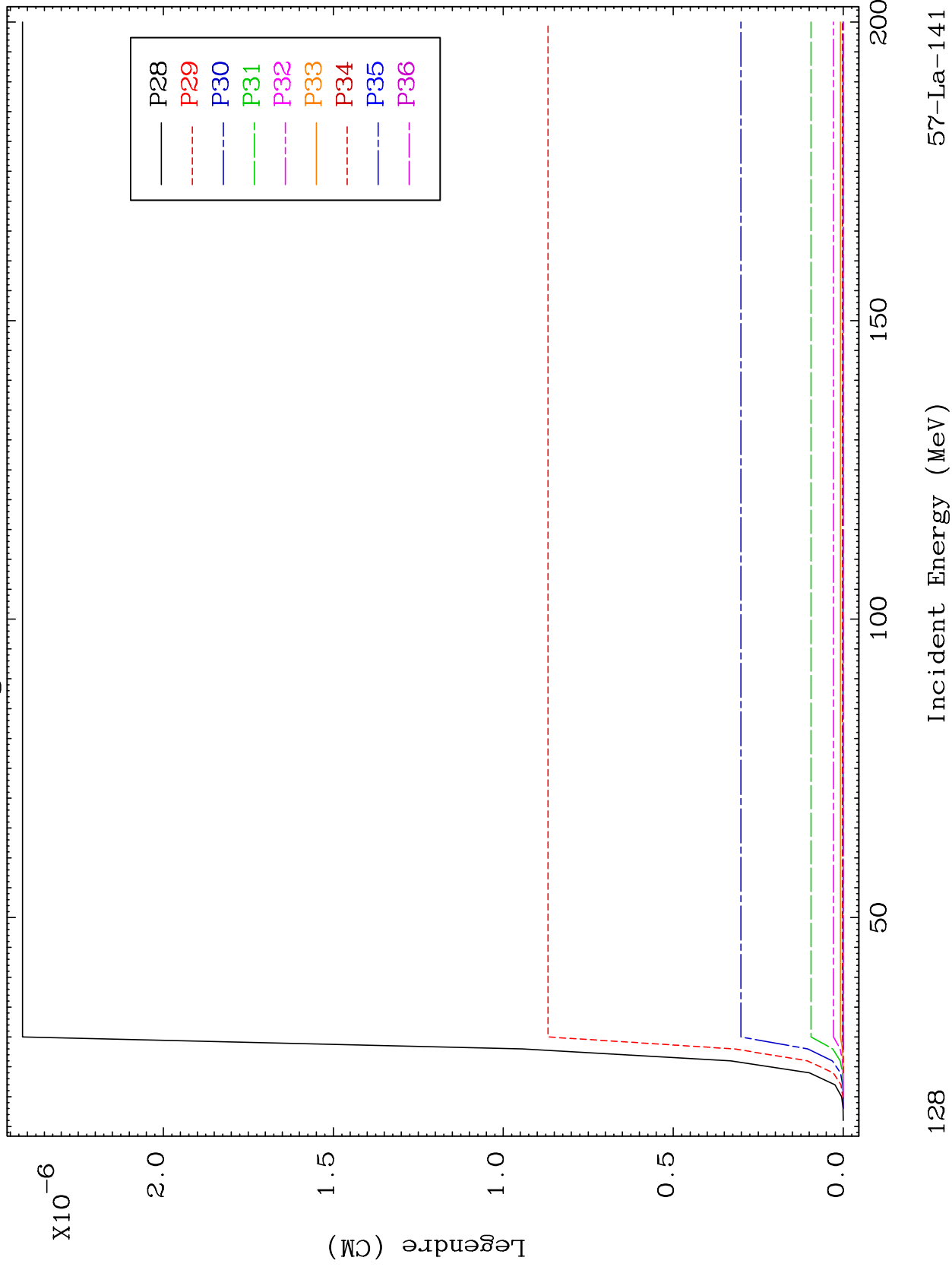
Incident Energy (MeV)

57-La-141

MAT 5734

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

57-La-141



128

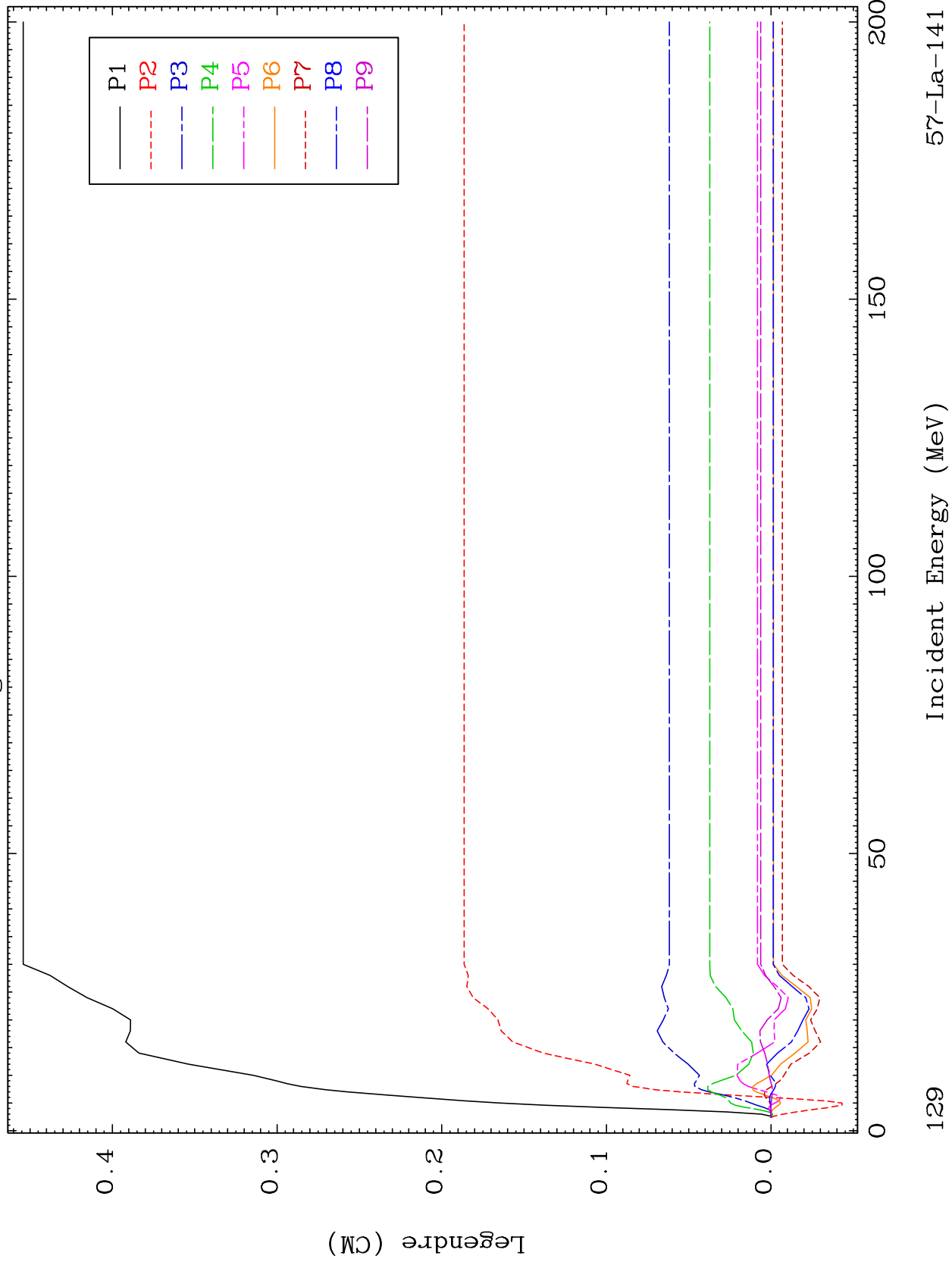
Incident Energy (MeV)

57-La-141

MAT 5734

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

57-La-141



57-La-141

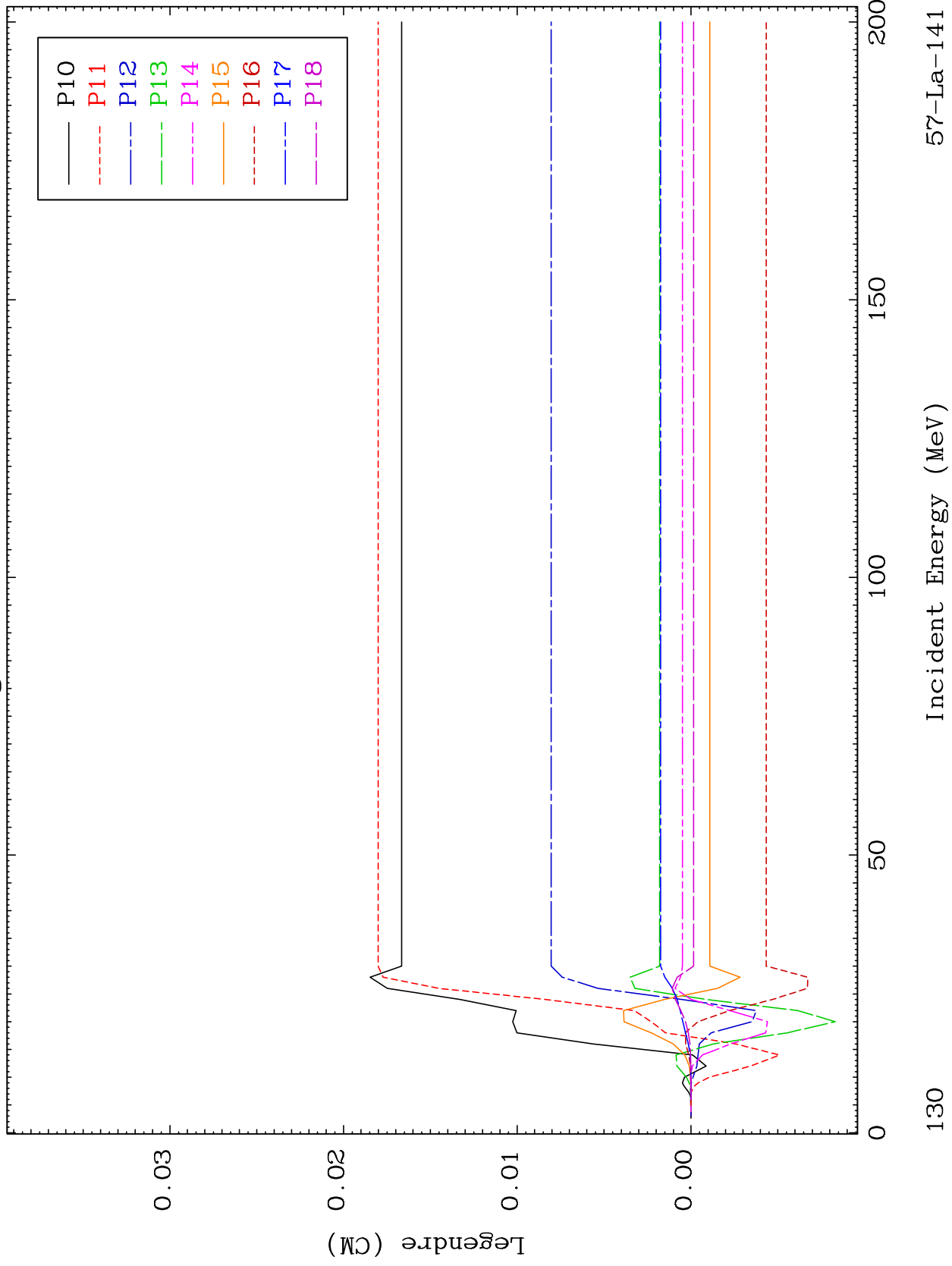
Incident Energy (MeV)

129

MAT 5734

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

57-La-141

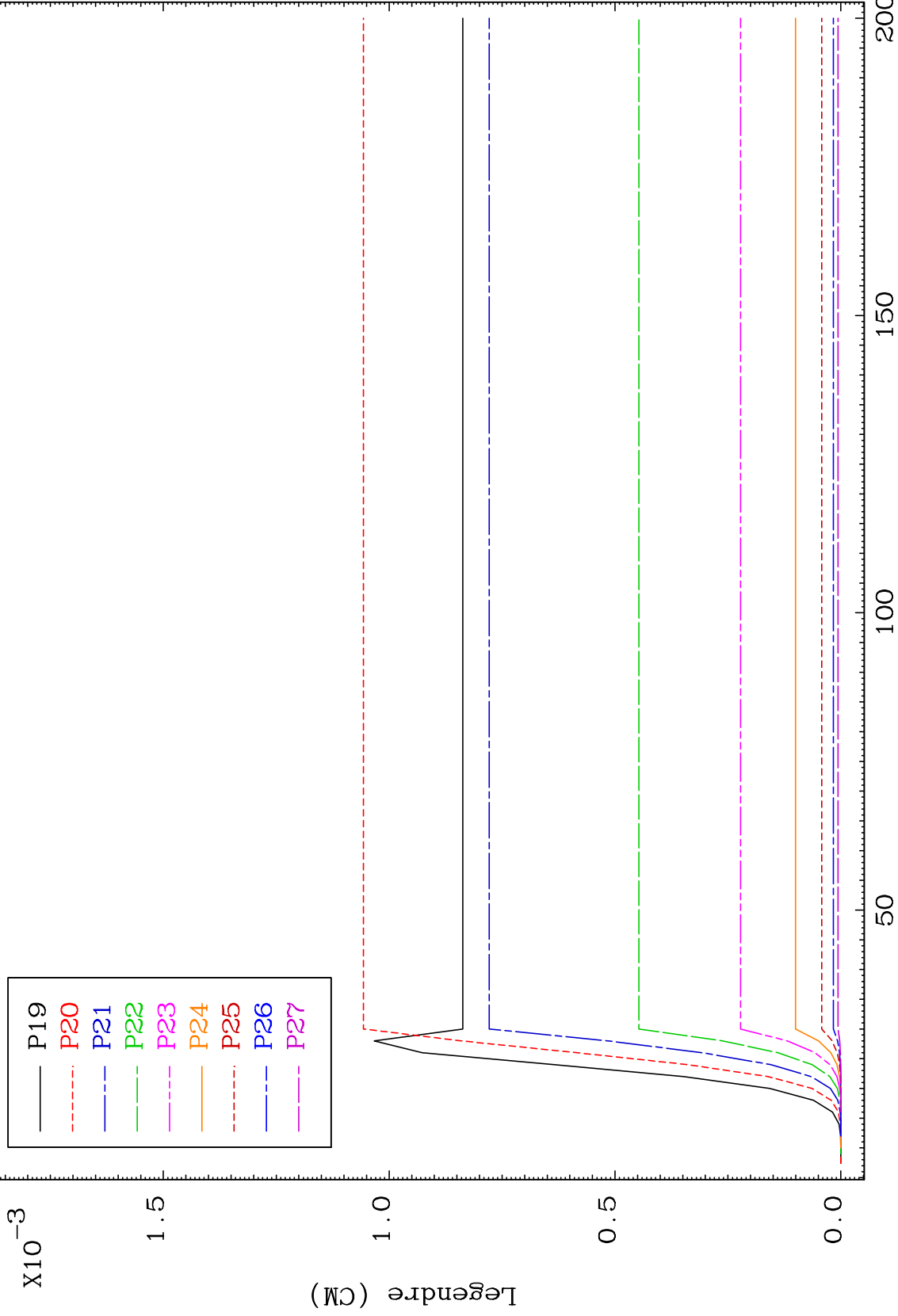
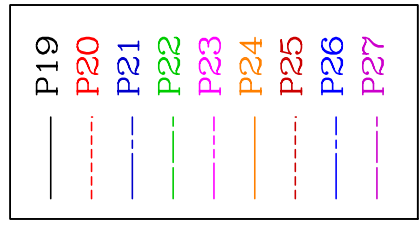


57-La-141

MAT 5734

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

57-La-141



131

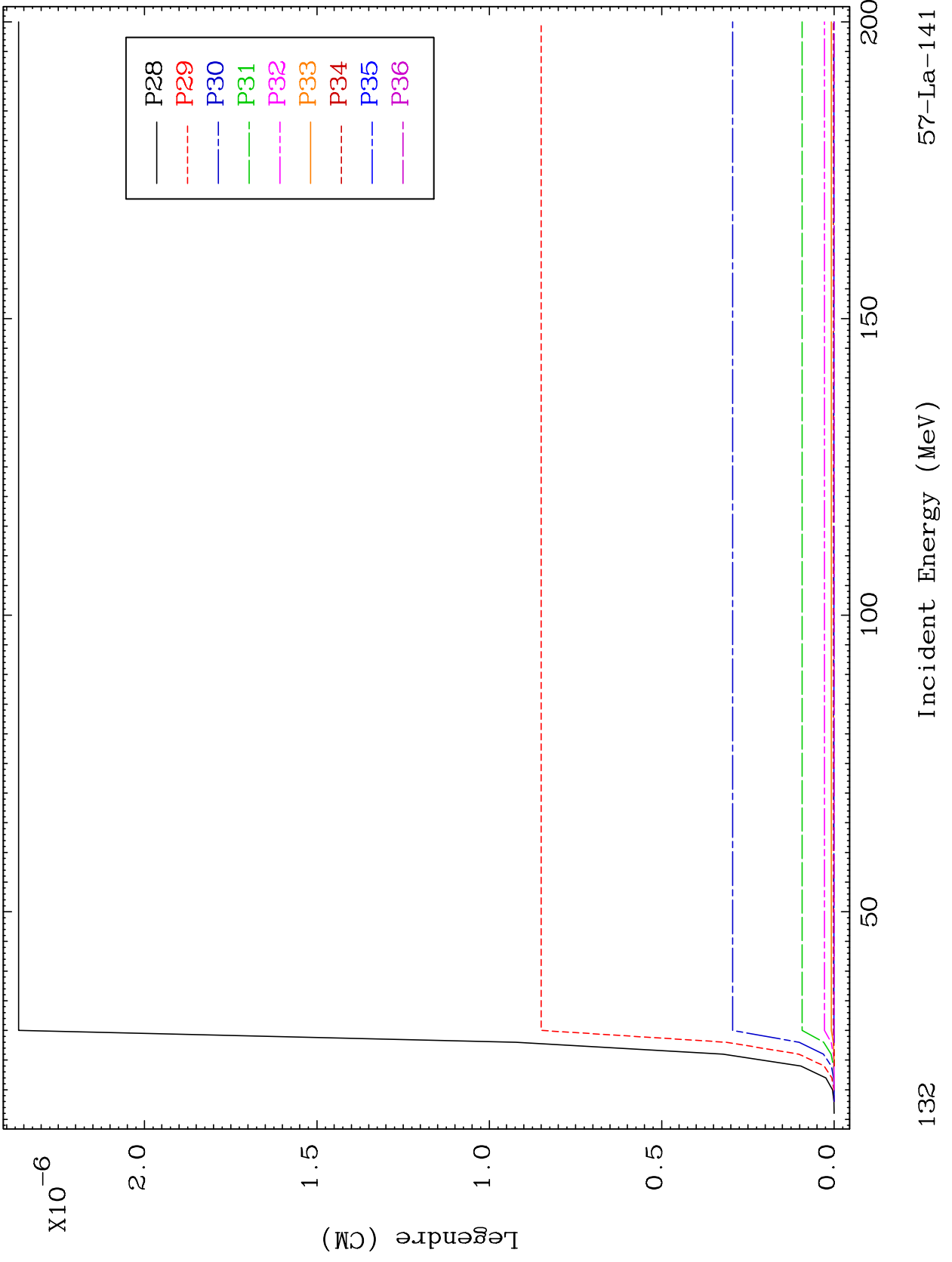
Incident Energy (MeV)

57-La-141

MAT 5734

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

57-La-141

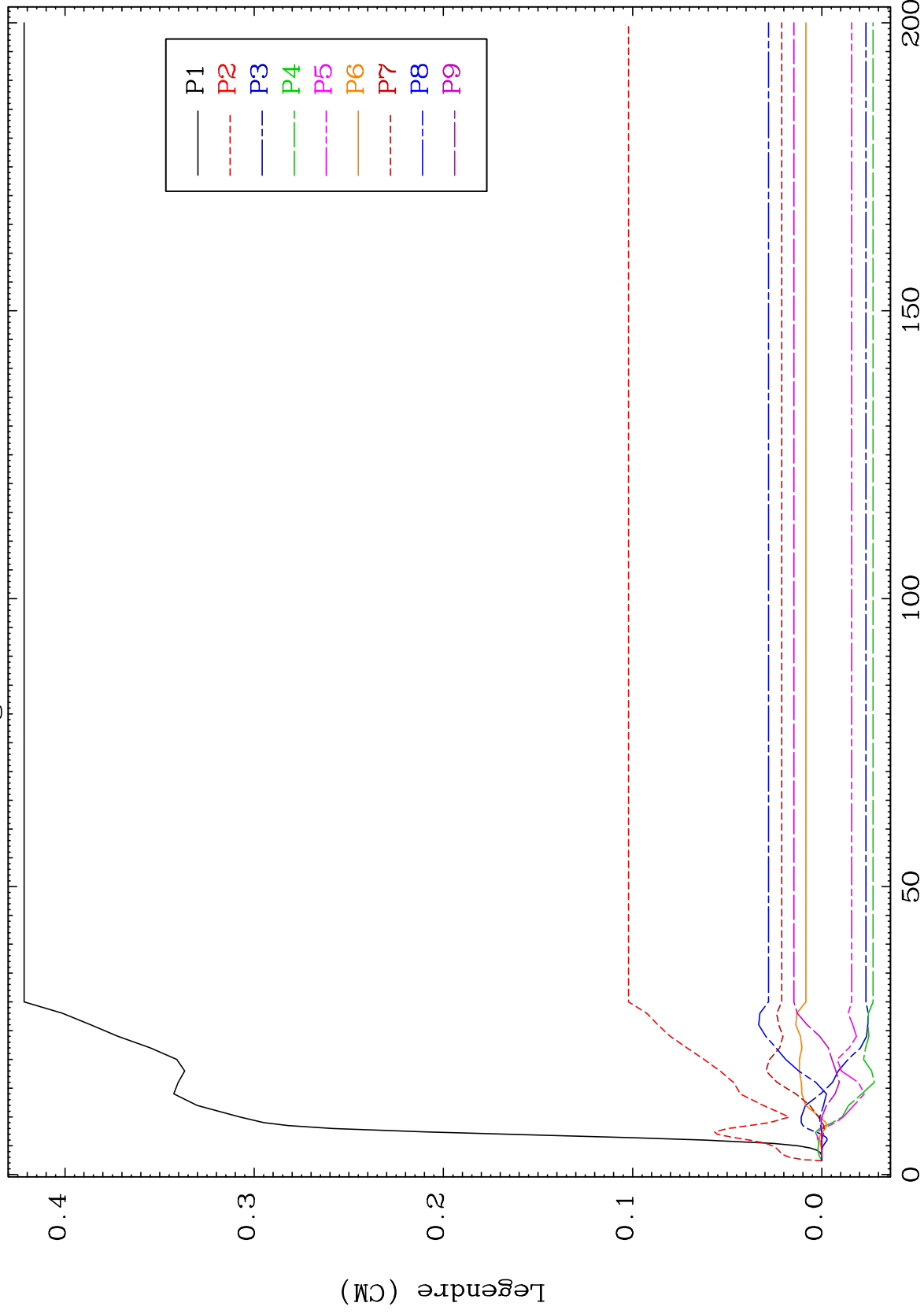


132

MAT 5734

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

57-La-141



133

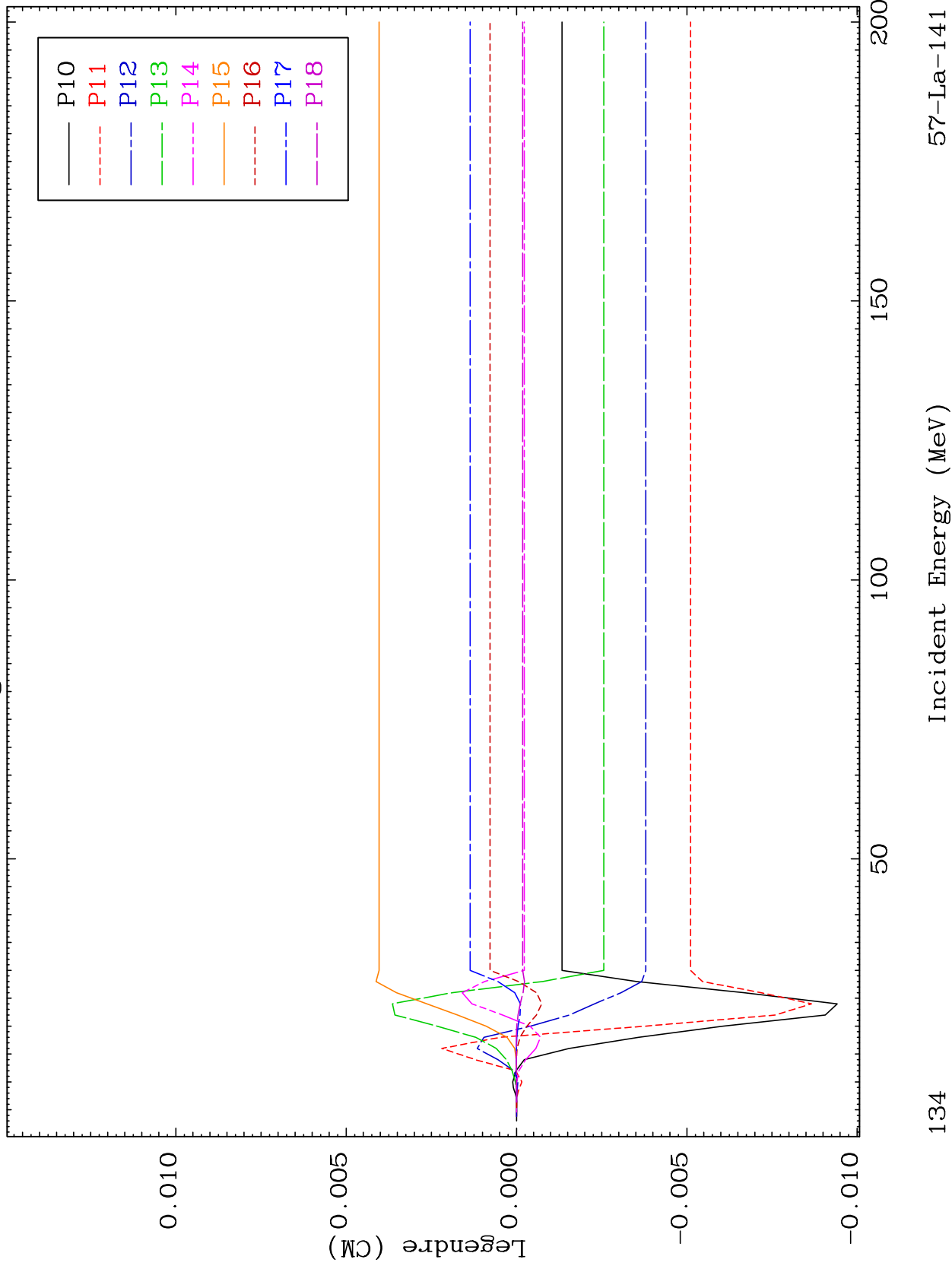
Incident Energy (MeV)

57-La-141

MAT 5734

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

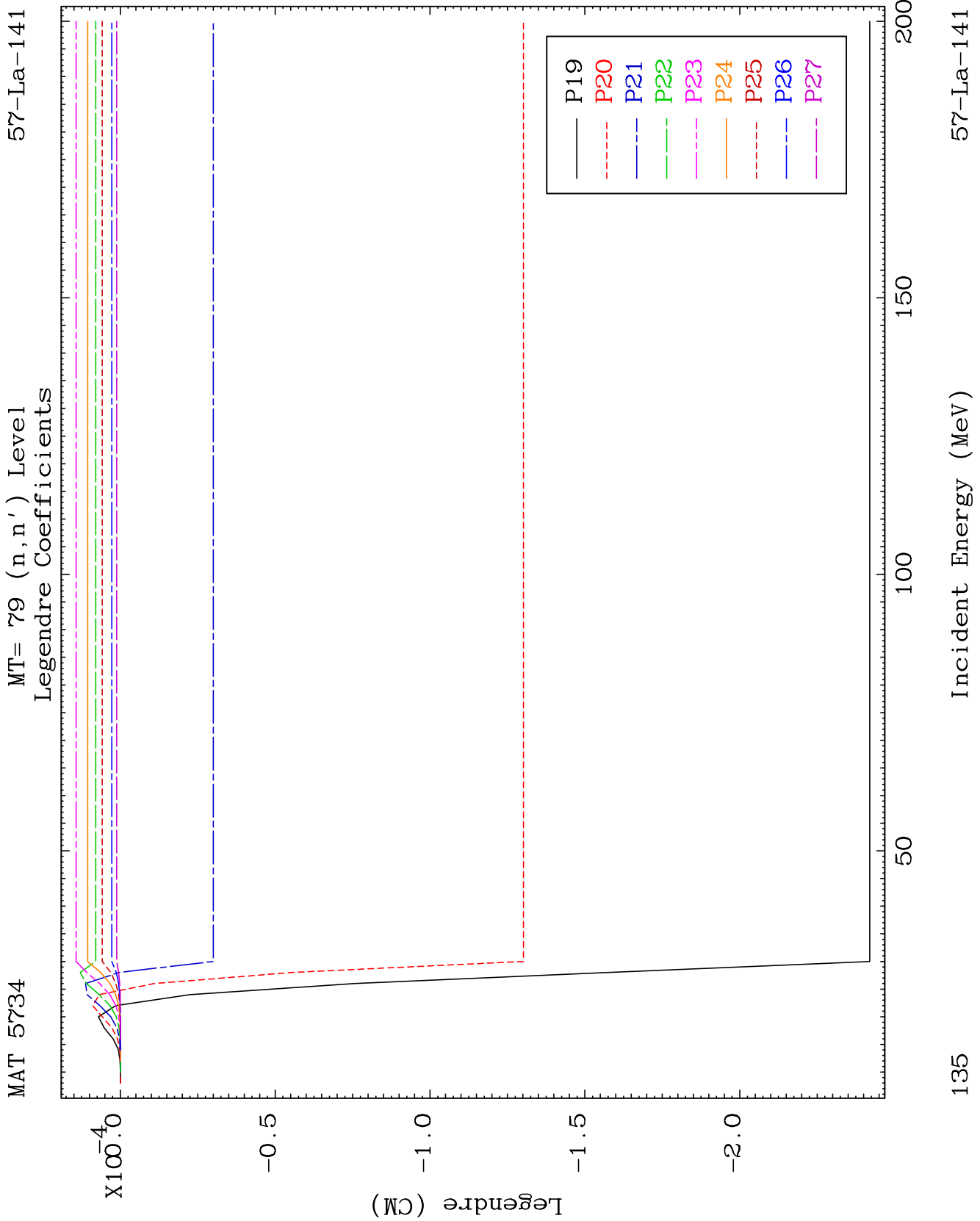
57-La-141



134

Incident Energy (MeV)

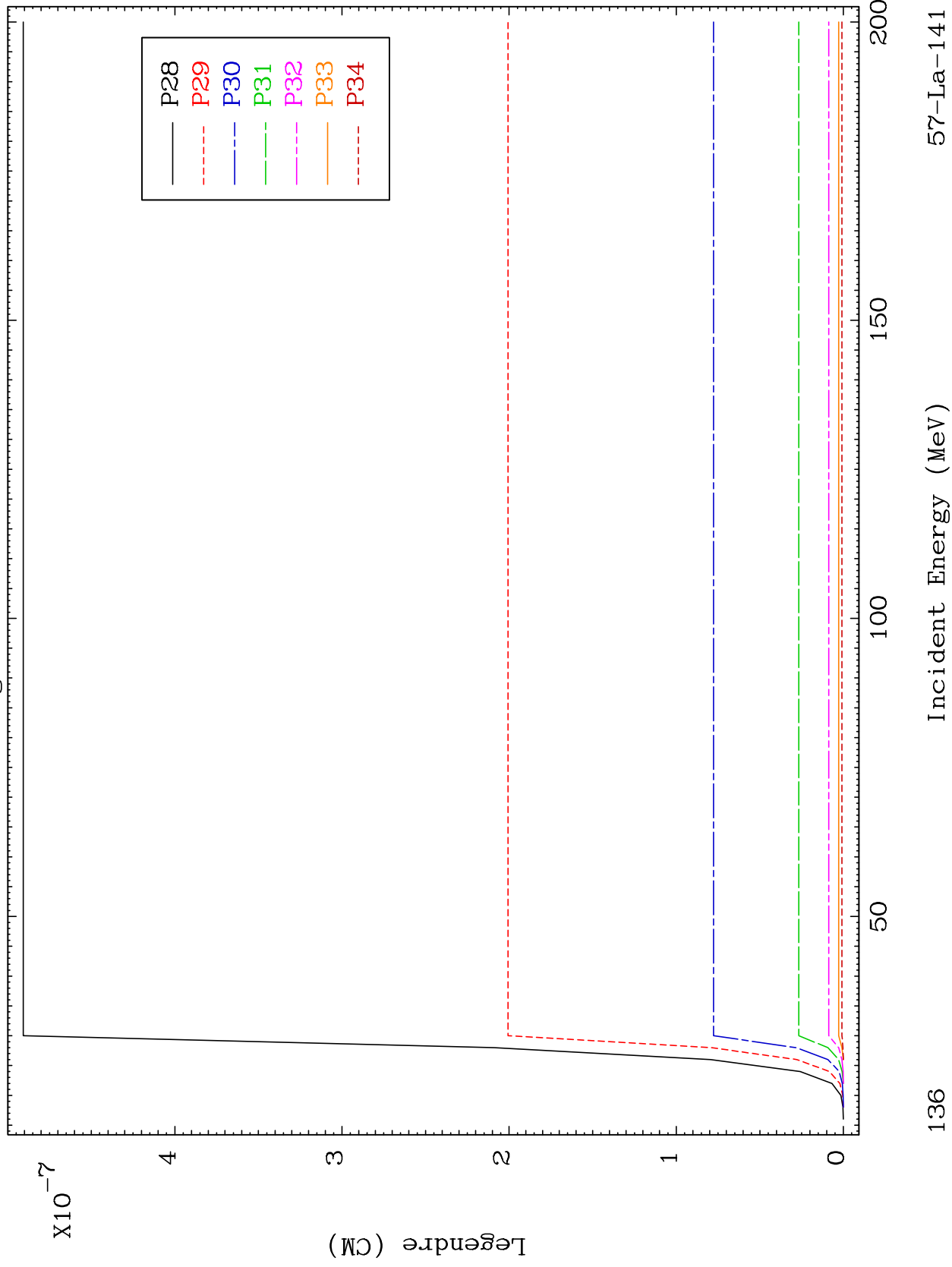
57-La-141



MAT 5734

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

57-La-141



136

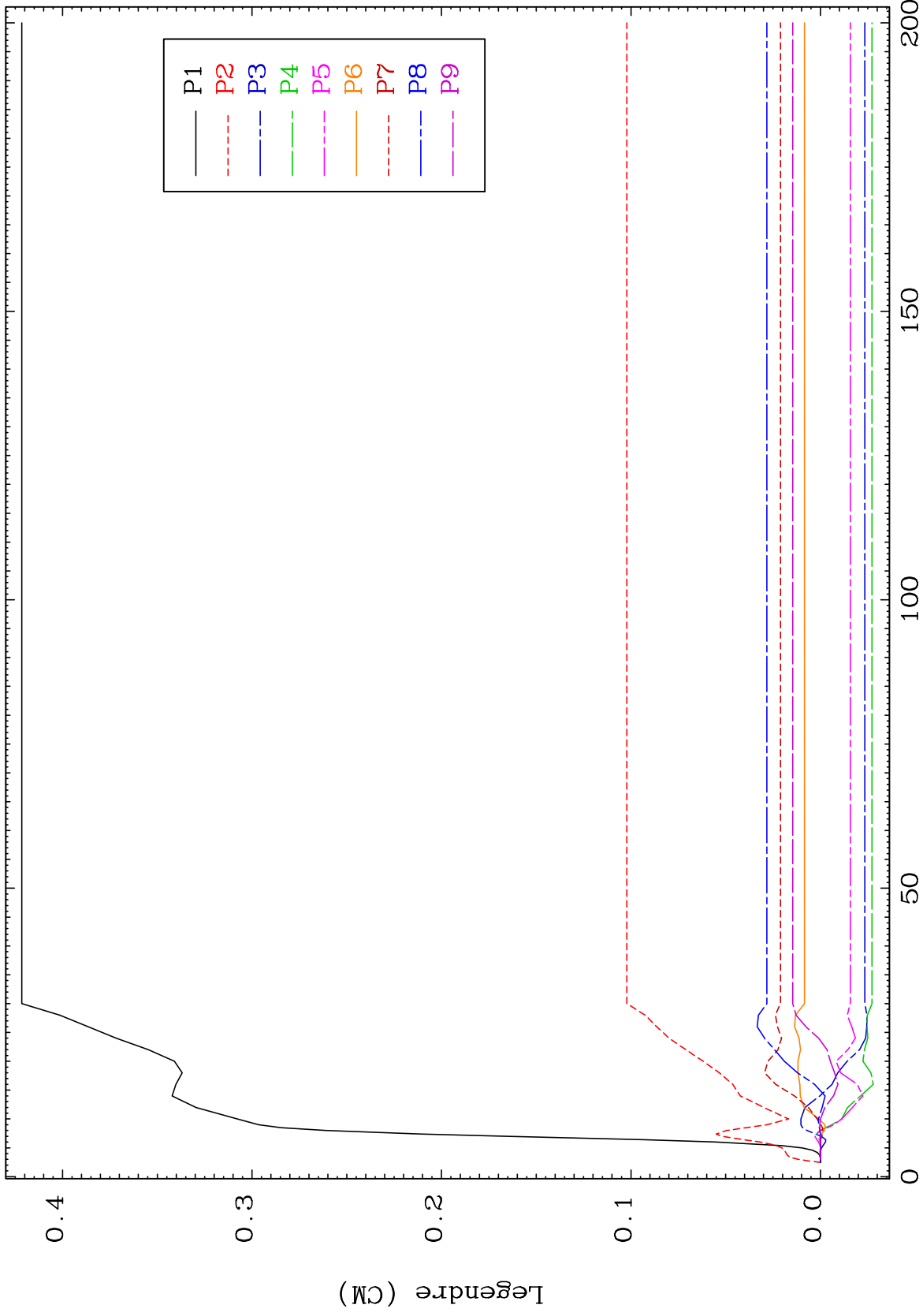
Incident Energy (MeV)

57-La-141

MAT 5734

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

57-La-141



137

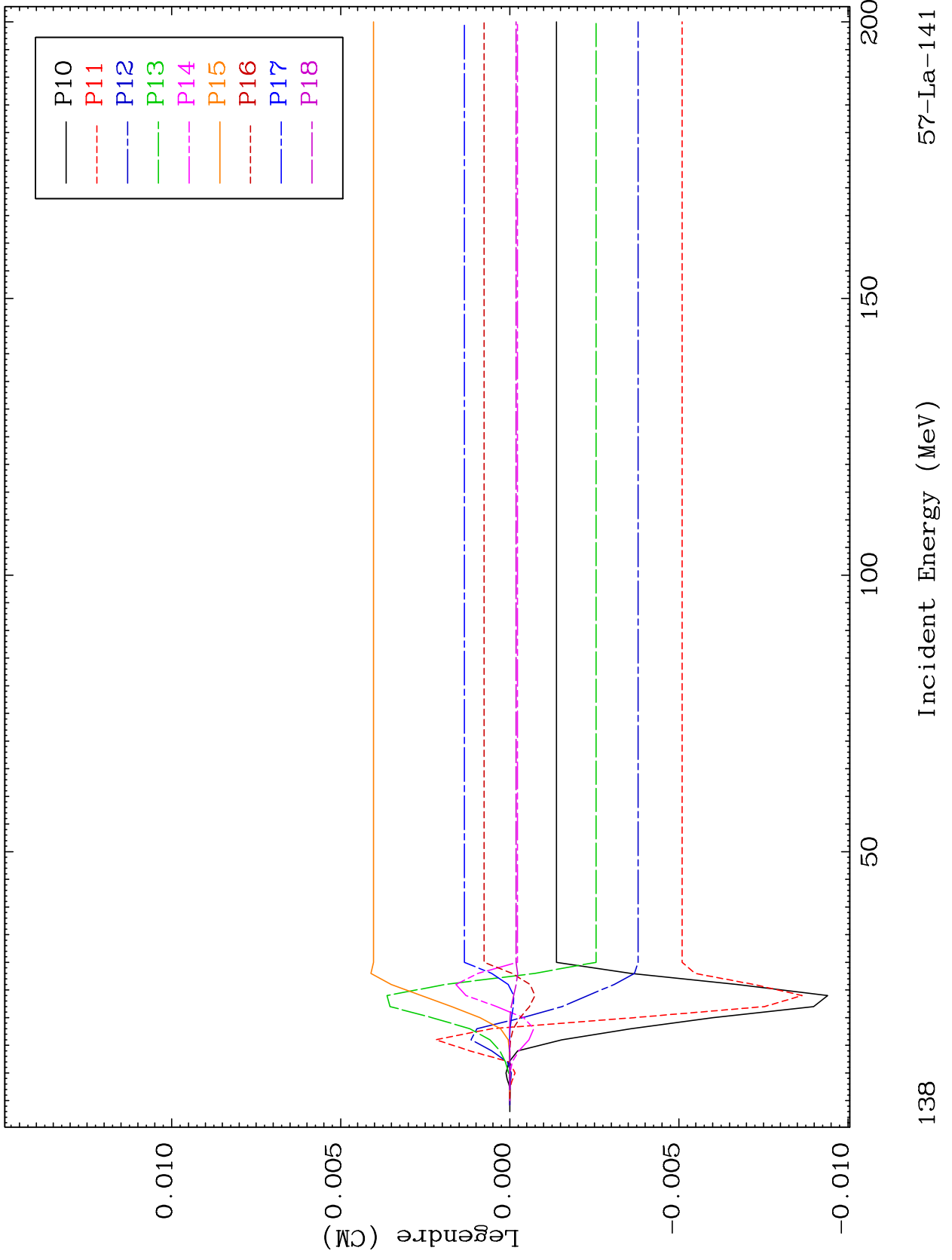
Incident Energy (MeV)

57-La-141

MAT 5734

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

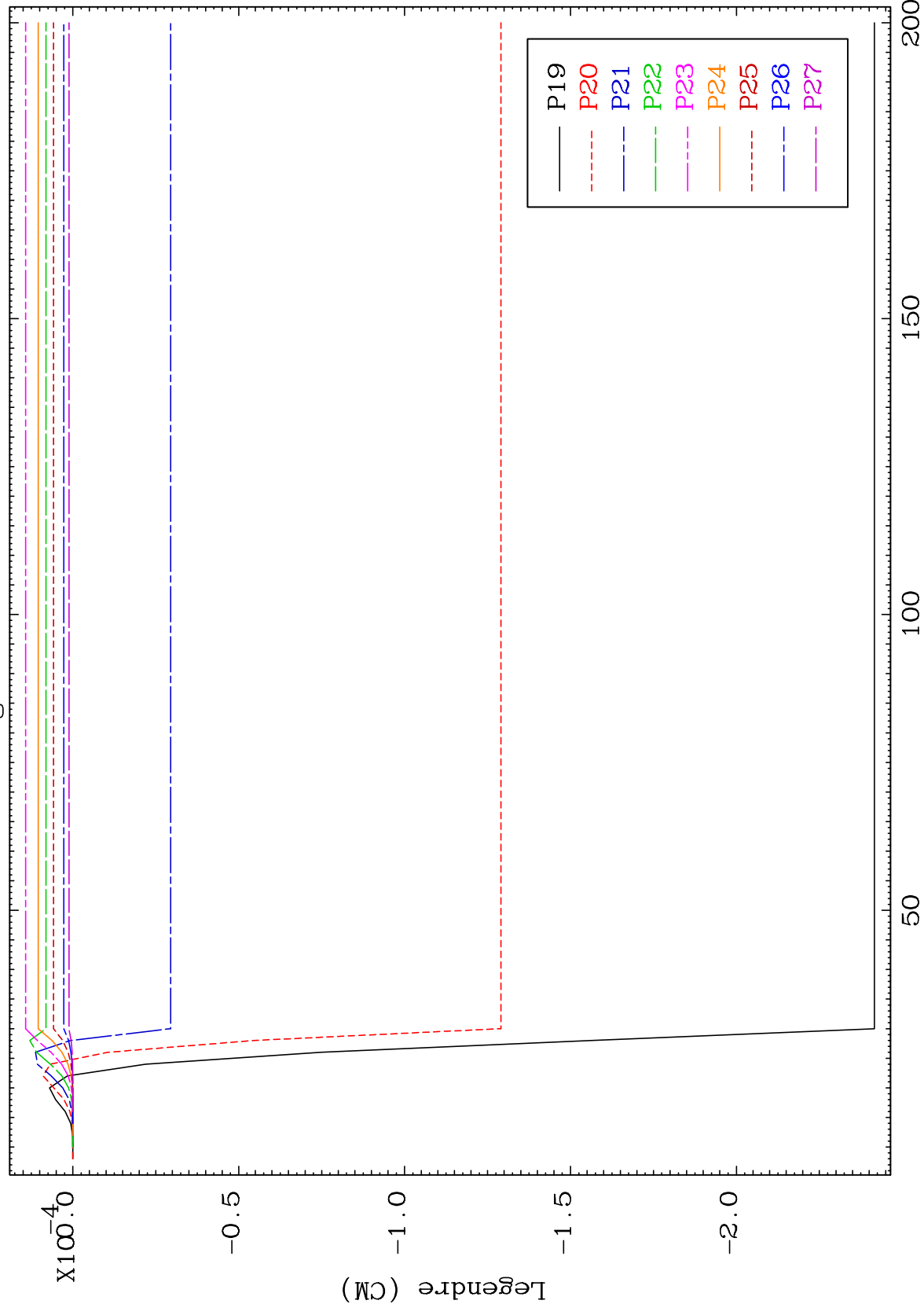
57-La-141



MAT 5734

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

57-La-141



139

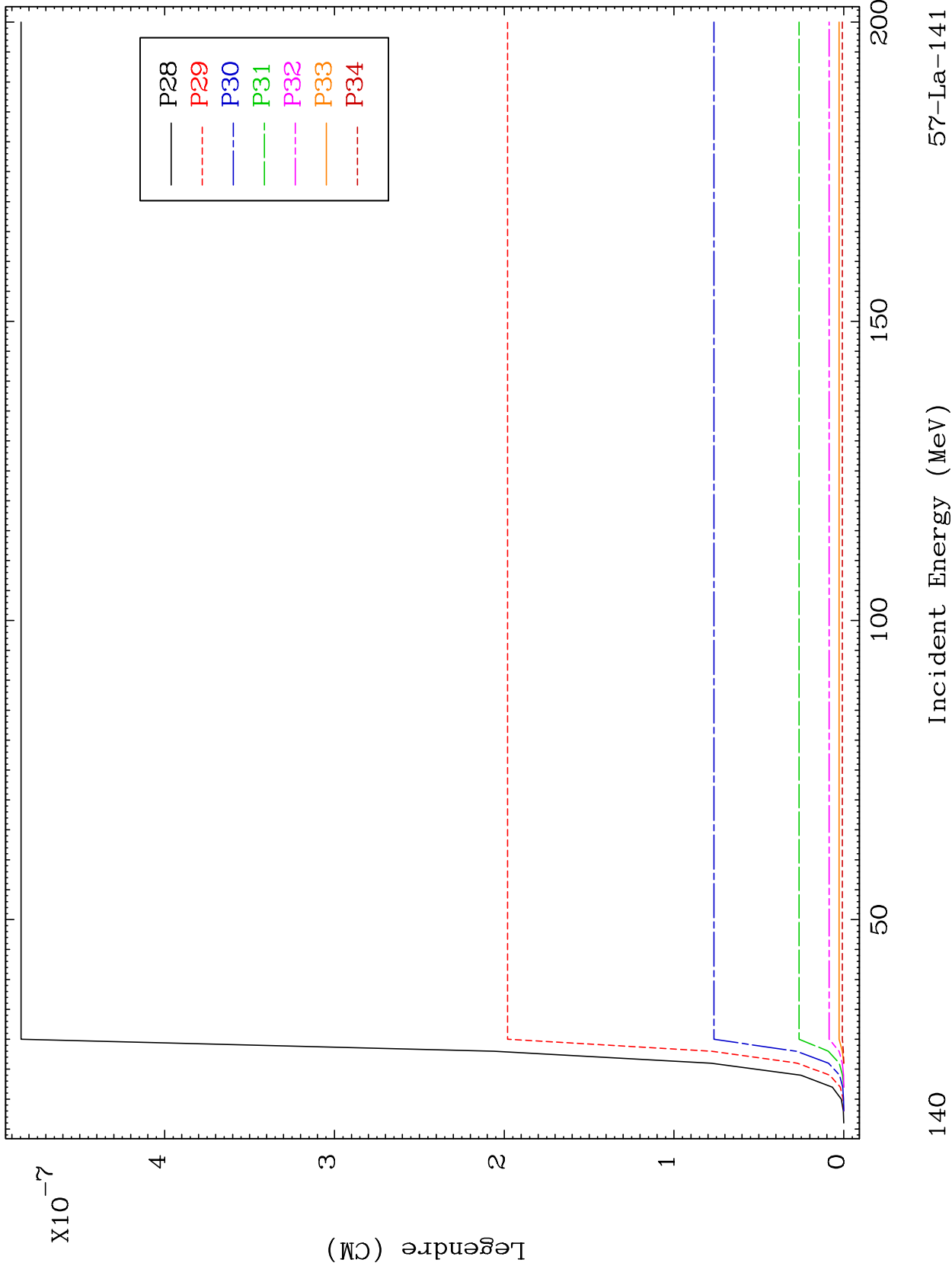
Incident Energy (MeV)

57-La-141

MAT 5734

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

57-La-141



140

Incident Energy (MeV)

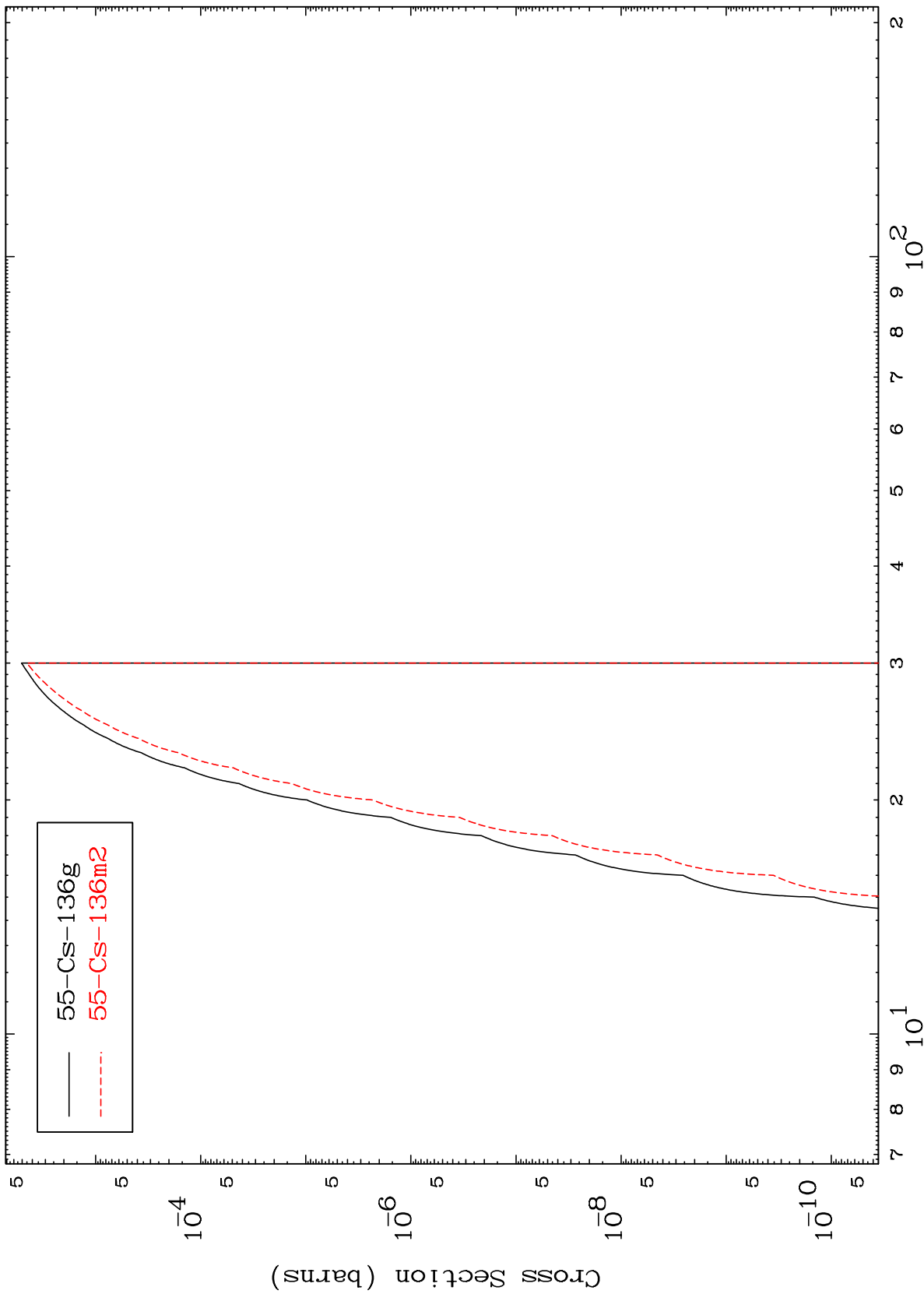
57-La-141

MAT 5734

57-La-141

(n,2n) α

Radionuclide Production Cross Section



141

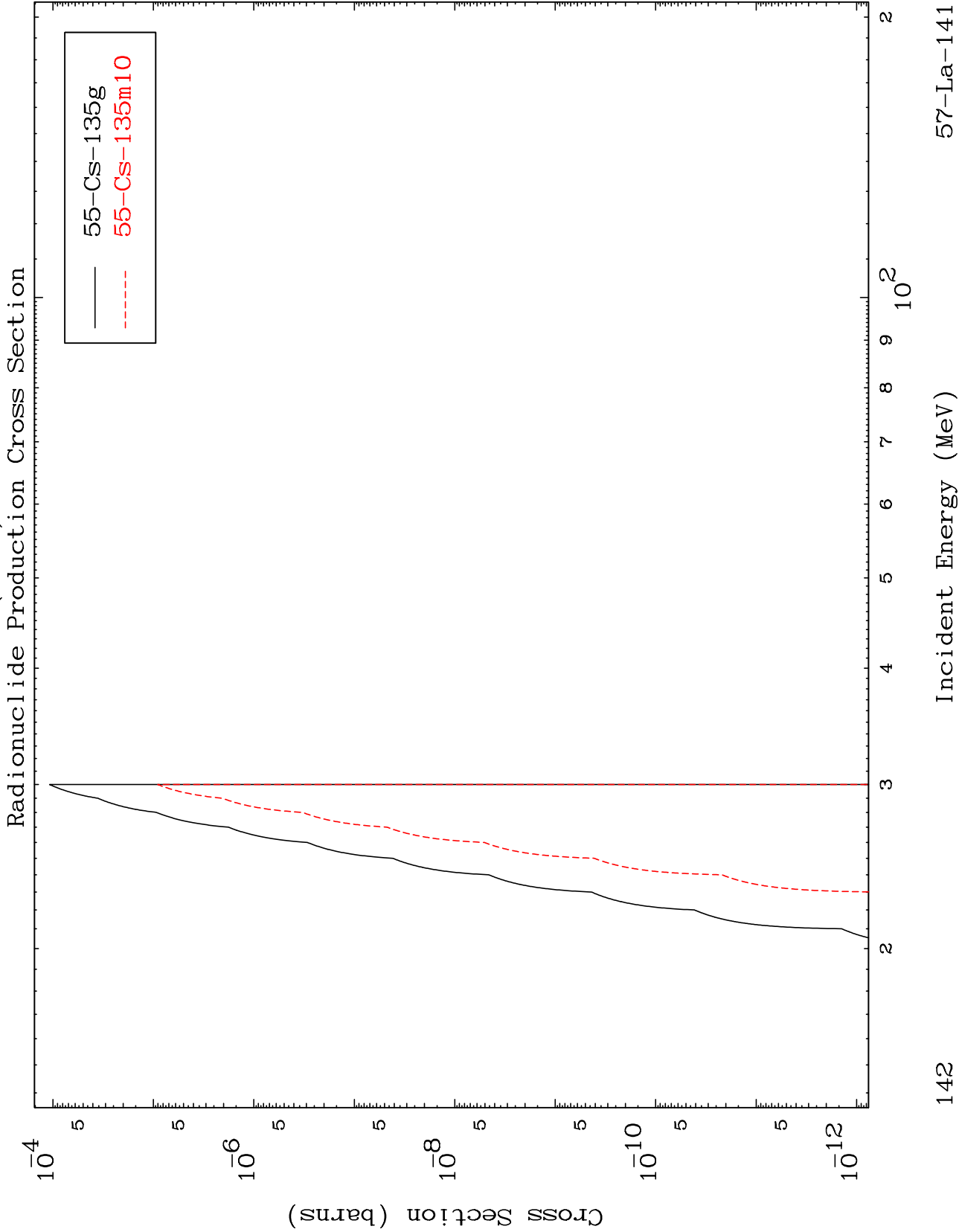
Incident Energy (MeV)

57-La-141

MAT 5734

(n,3n) α

57-La-141



142

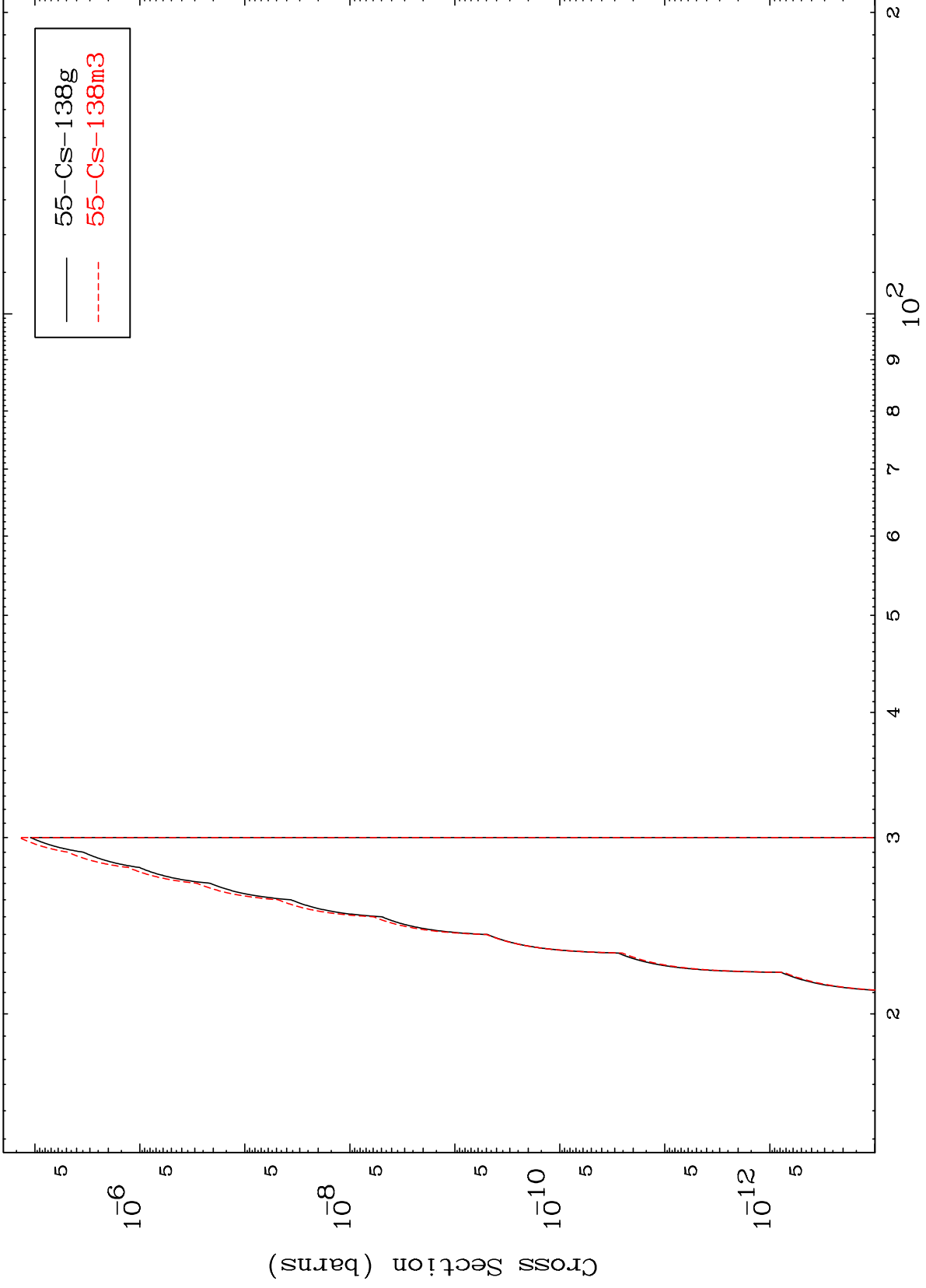
57-La-141

MAT 5734

(n,n') He-3

57-La-141

Radionuclide Production Cross Section



143

Incident Energy (MeV)

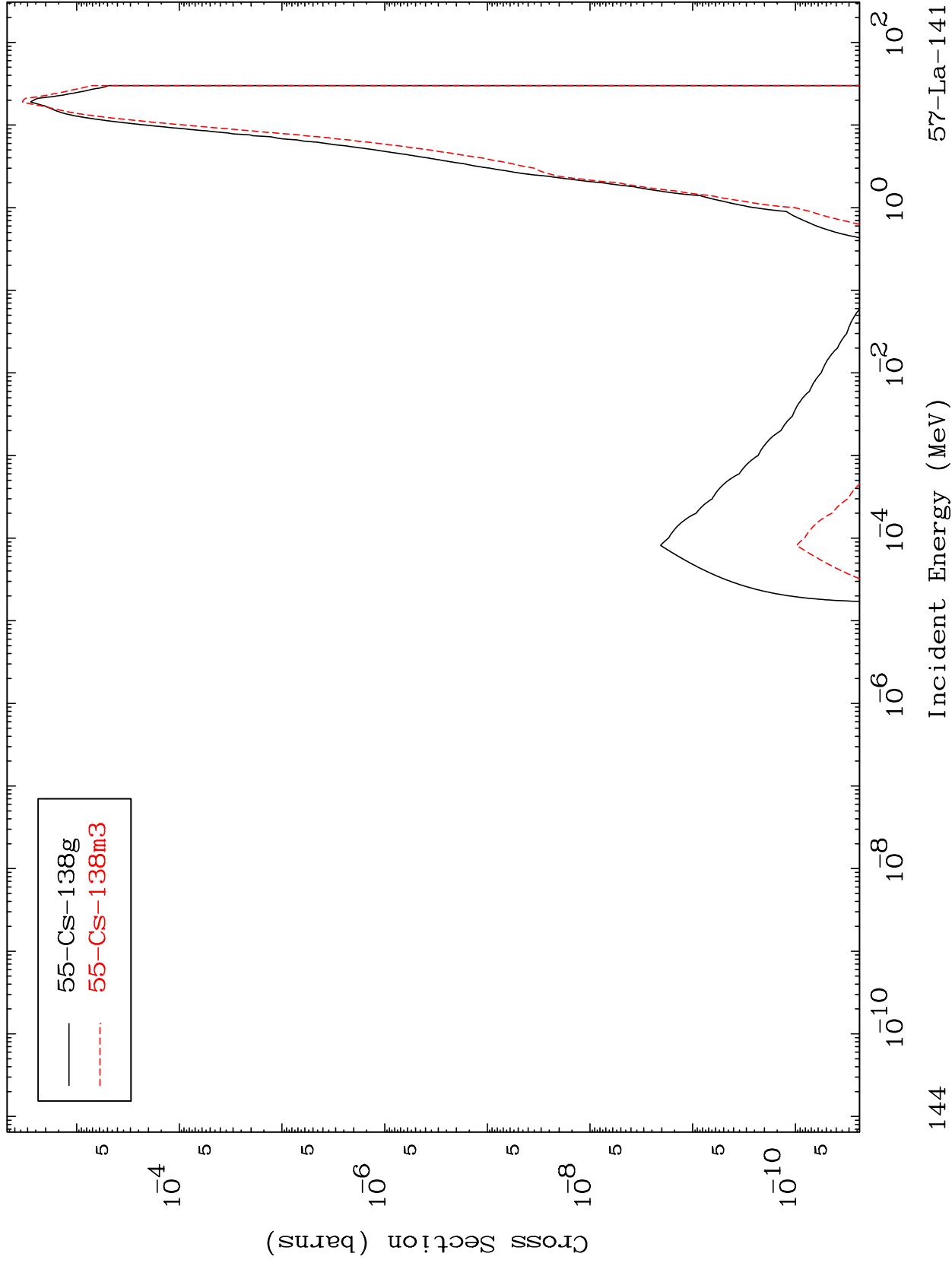
57-La-141

MAT 5734

(n, α)

57-La-141

Radionuclide Production Cross Section

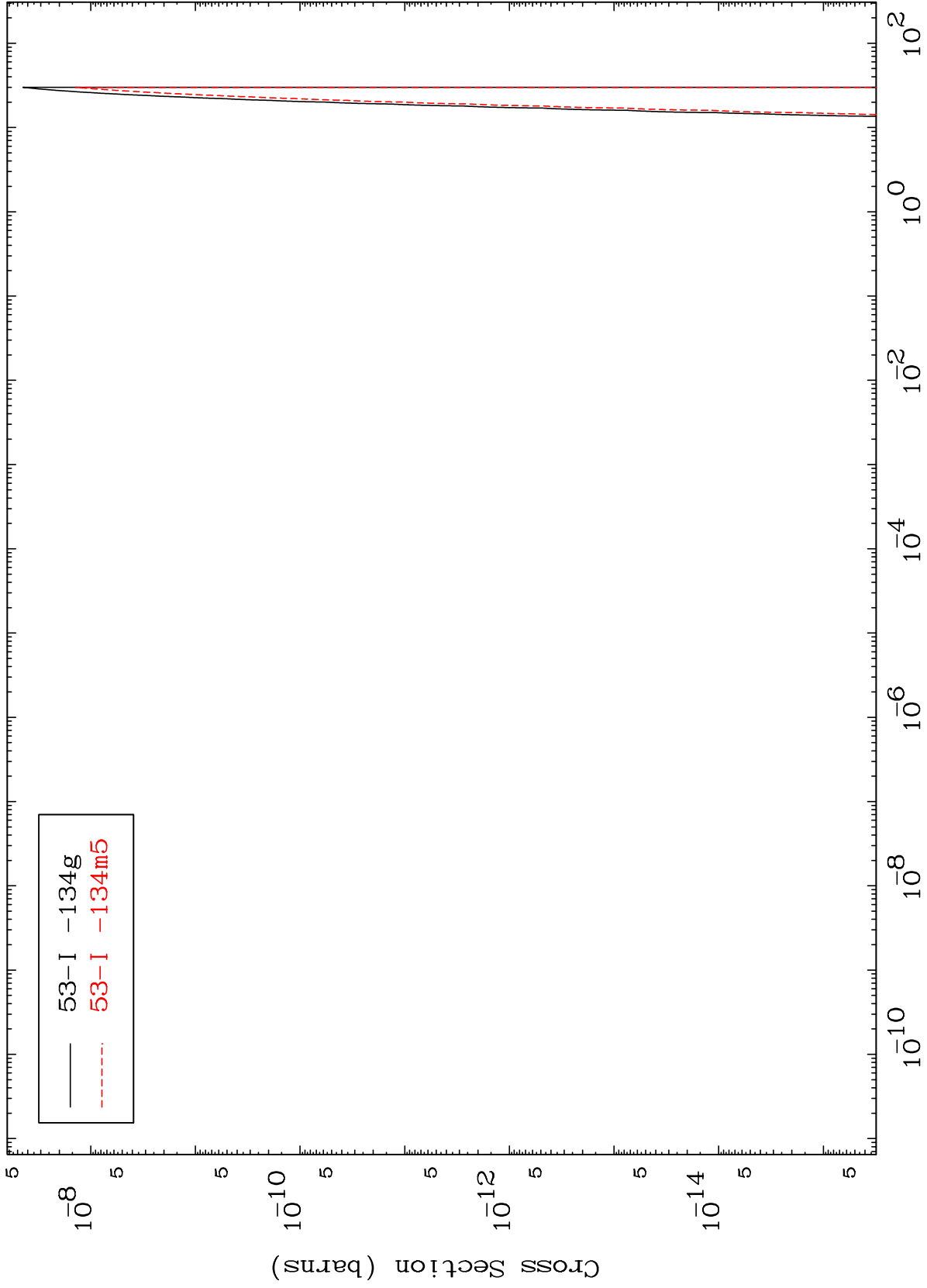


MAT 5734

(n,2α)

57-La-141

Radionuclide Production Cross Section



53-I -134g
53-I -134m5

145

Incident Energy (MeV)

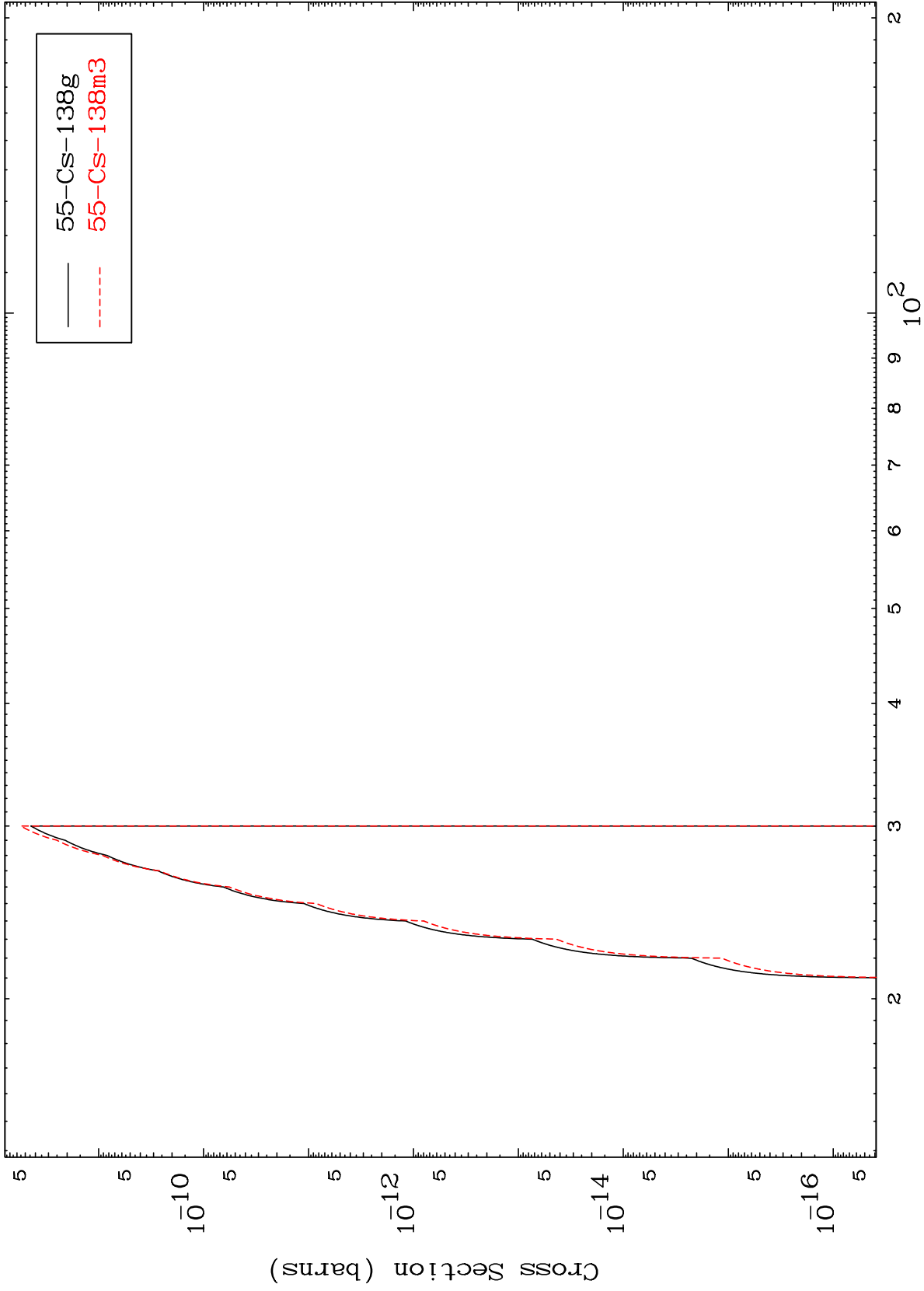
57-La-141

MAT 5734

(n,p) t

57-La-141

Radionuclide Production Cross Section



146

Incident Energy (MeV)

57-La-141