

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

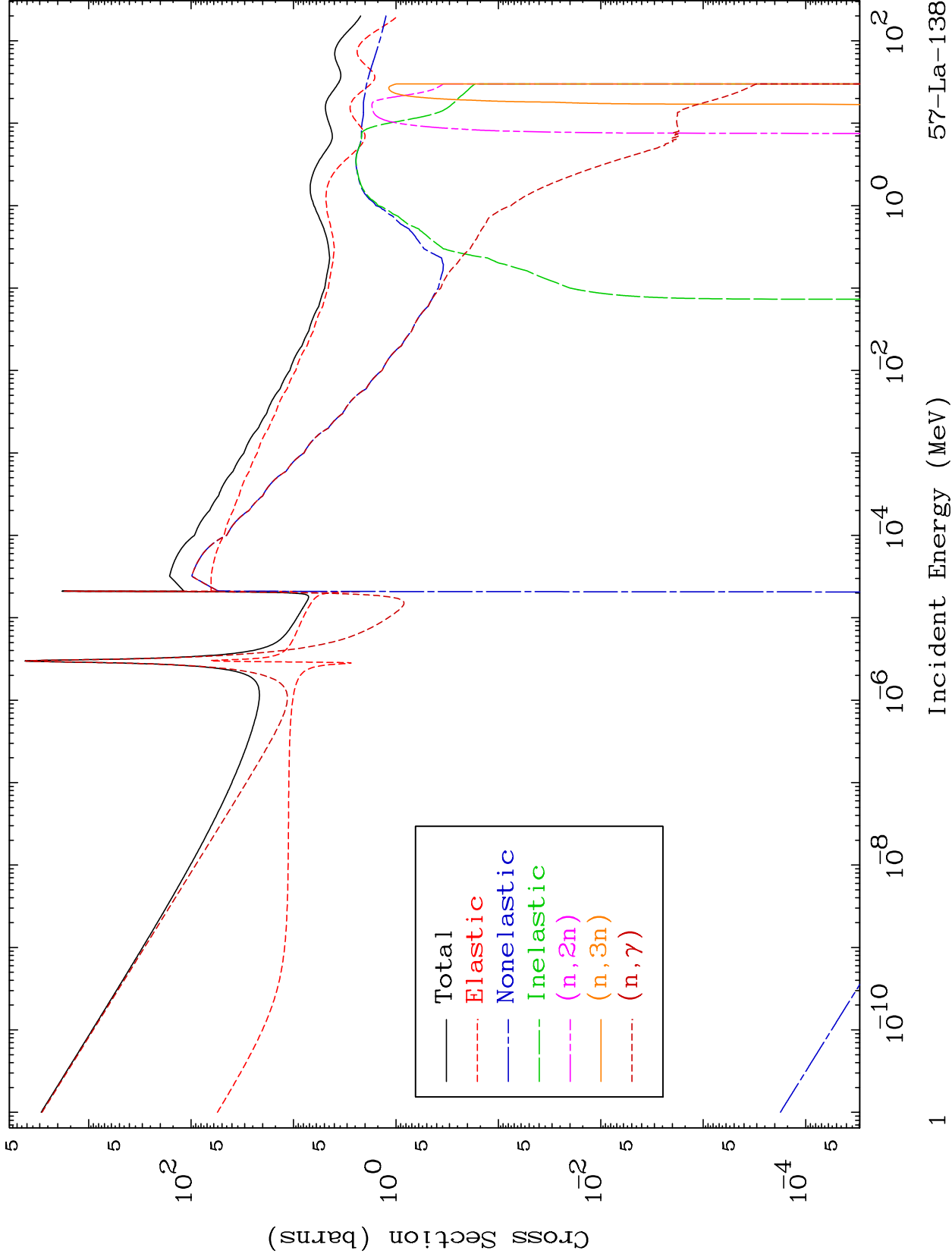
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5725

Neutron Major
293 Kelvin Cross Sections

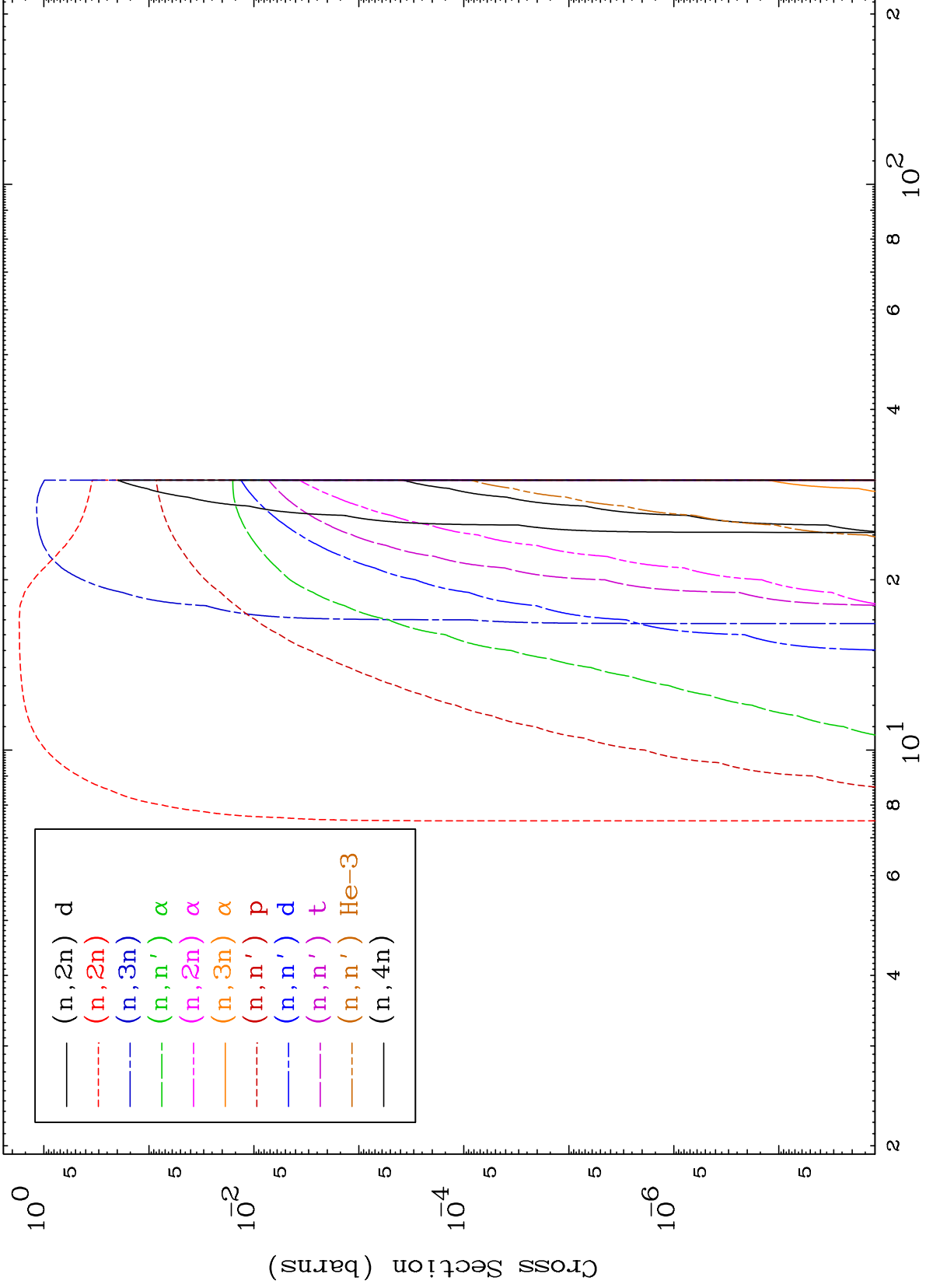
57-La-138



MAT 5725

Neutron Absorption
293 Kelvin Cross Sections

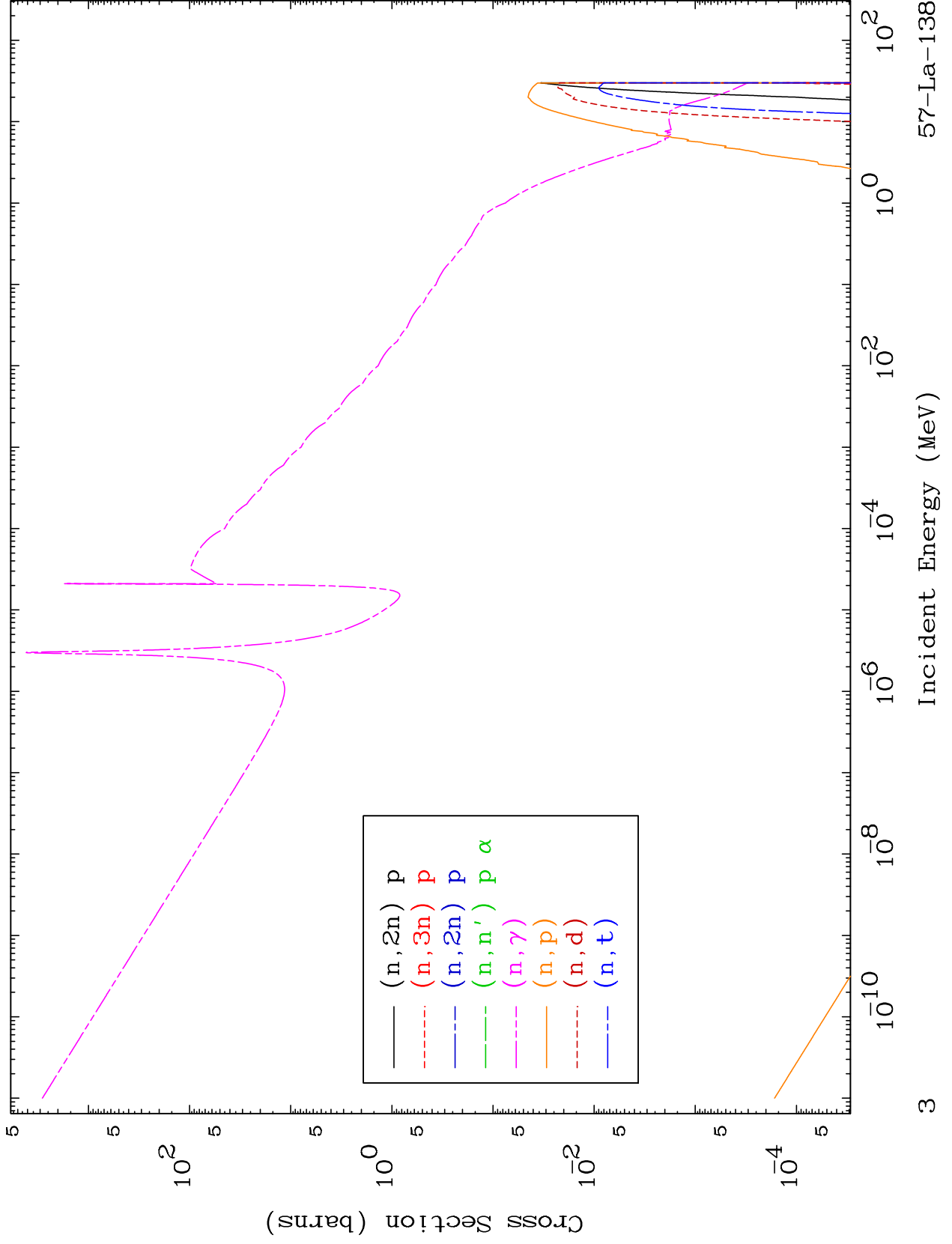
57-La-138



MAT 5725

Neutron Absorption
293 Kelvin Cross Sections

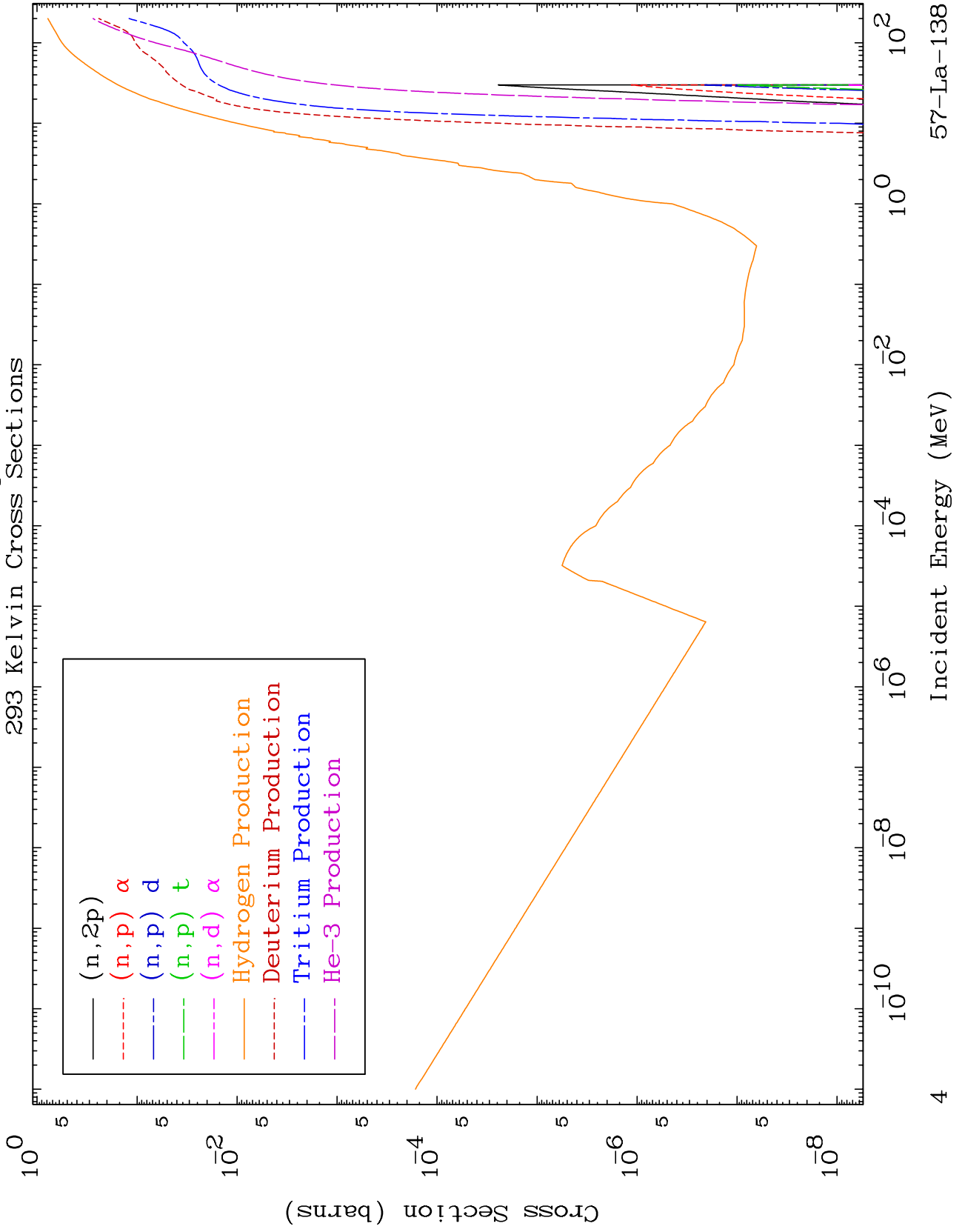
57-La-138



MAT 5725

Neutron Absorption
293 Kelvin Cross Sections

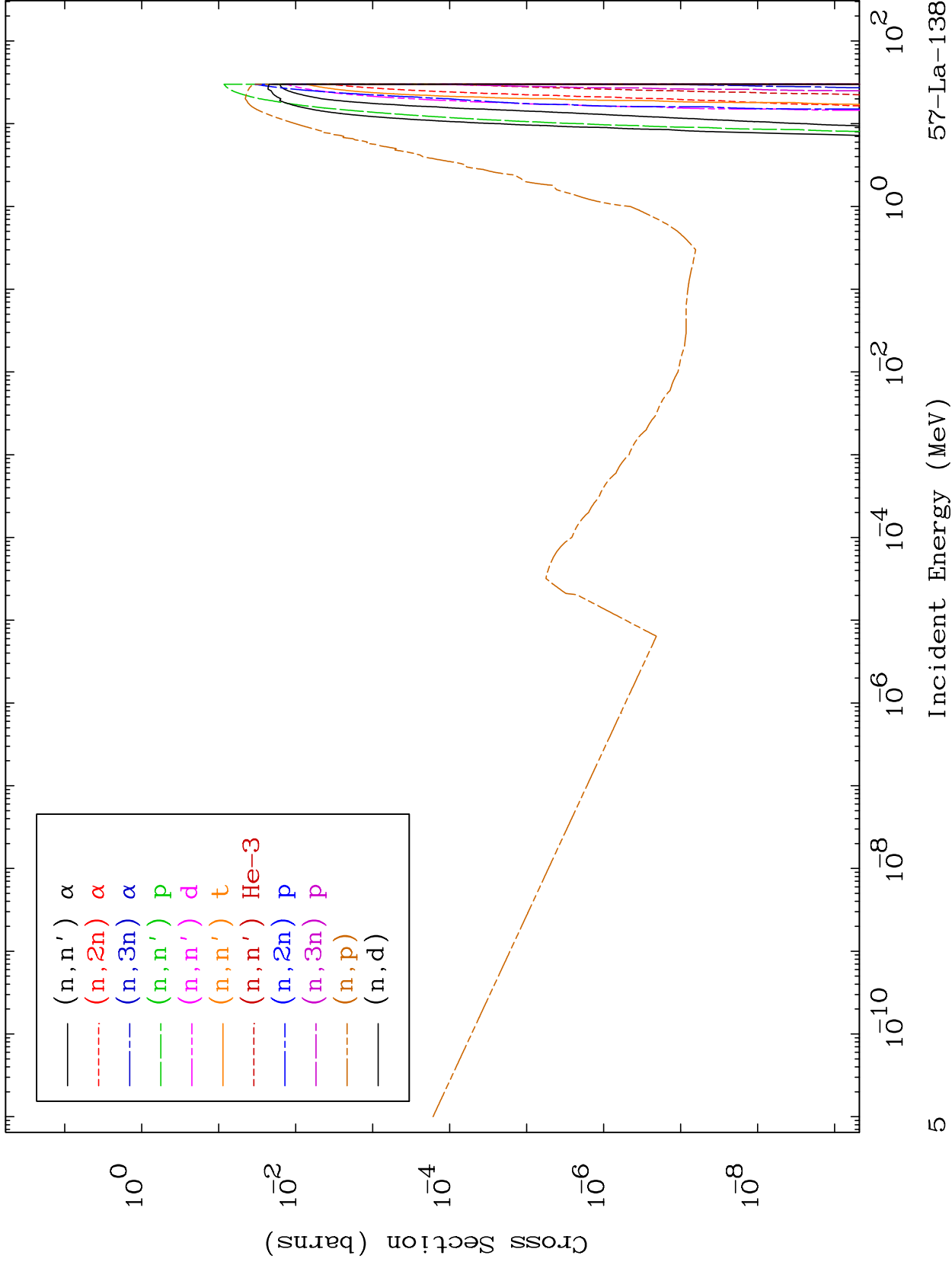
57-La-138



MAT 5725

Charged Particle
293 Kelvin Cross Sections

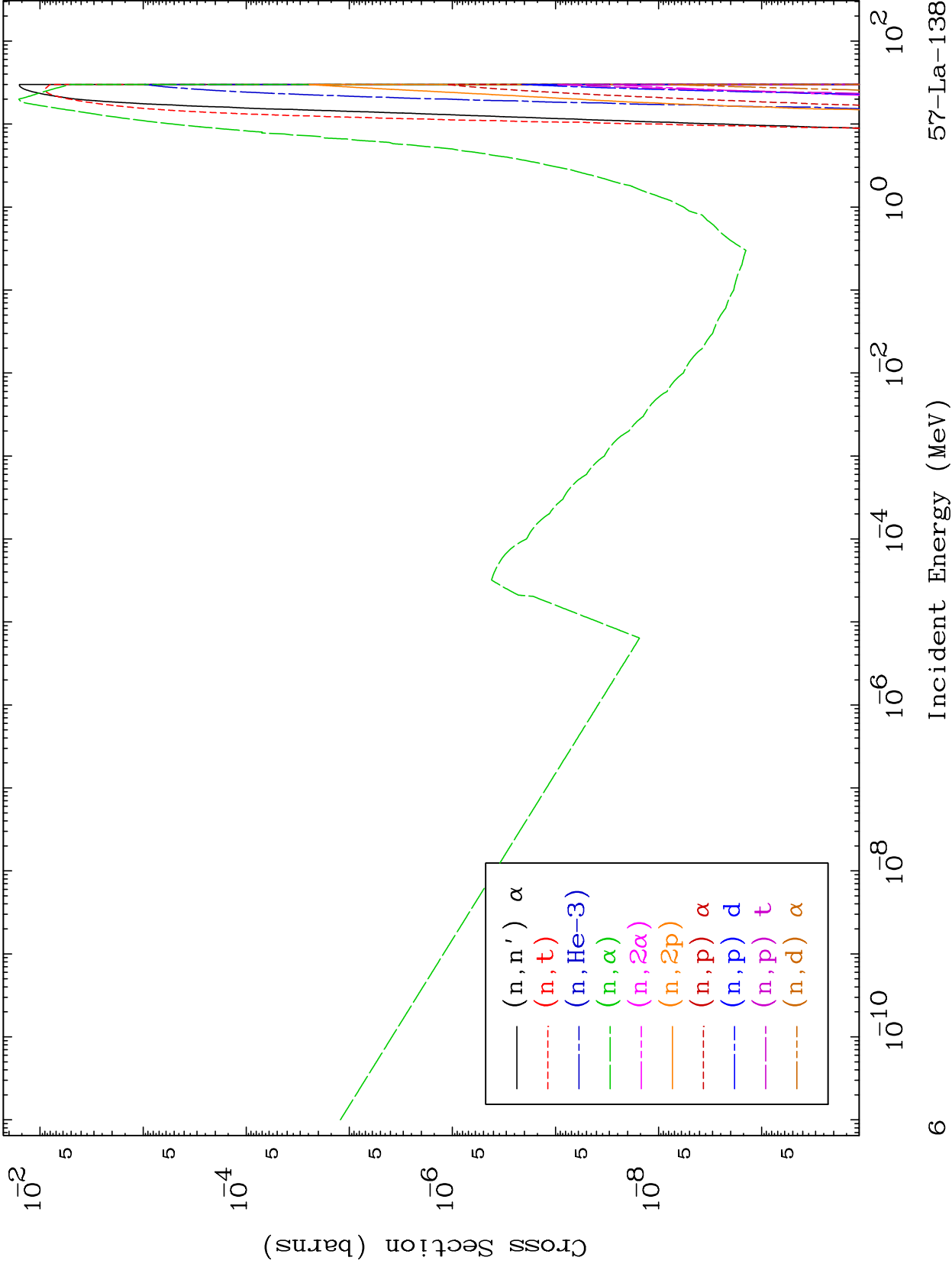
57-La-138



MAT 5725

Charged Particle
293 Kelvin Cross Sections

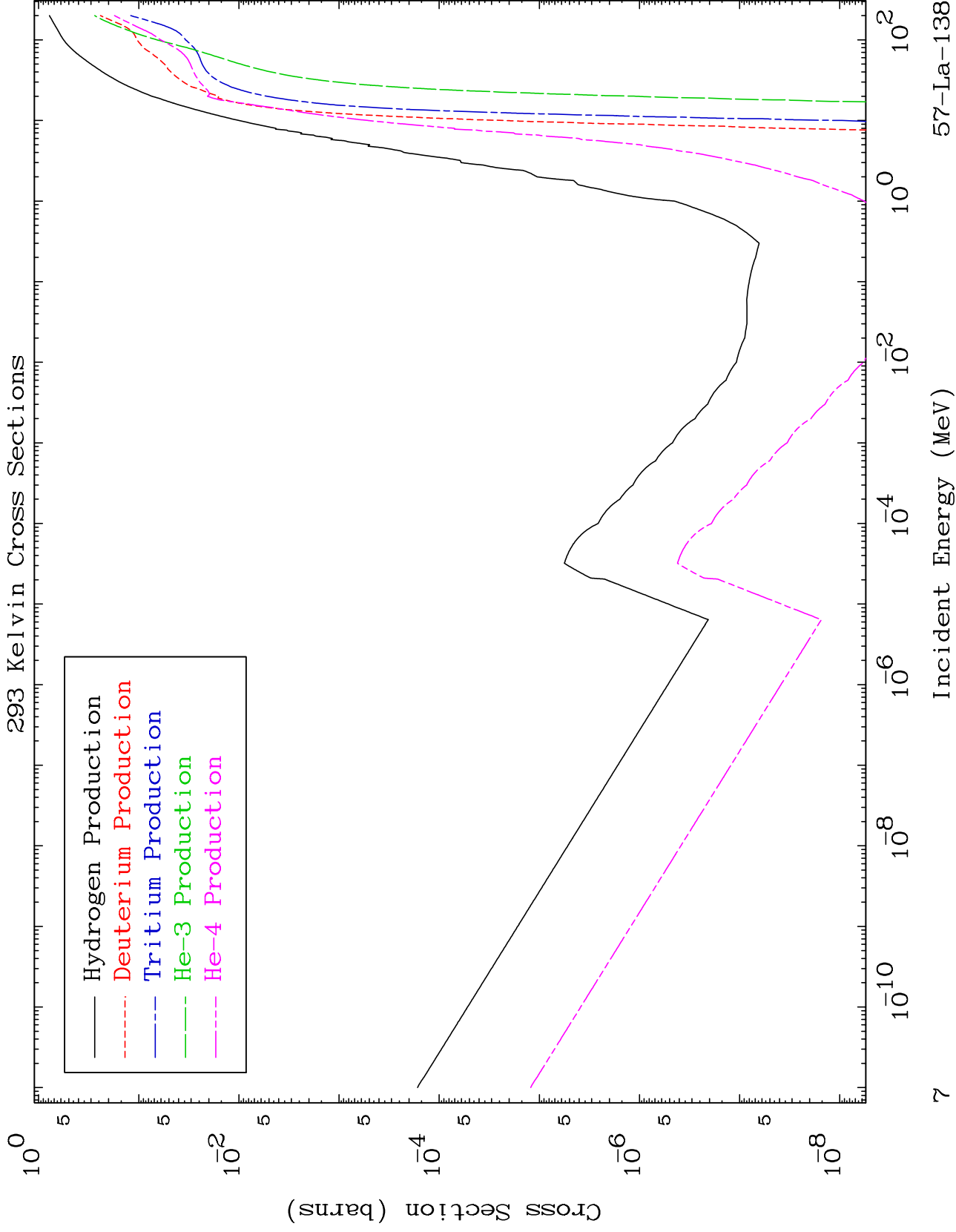
57-La-138



MAT 5725

Particle Production
293 Kelvin Cross Sections

57-La-138

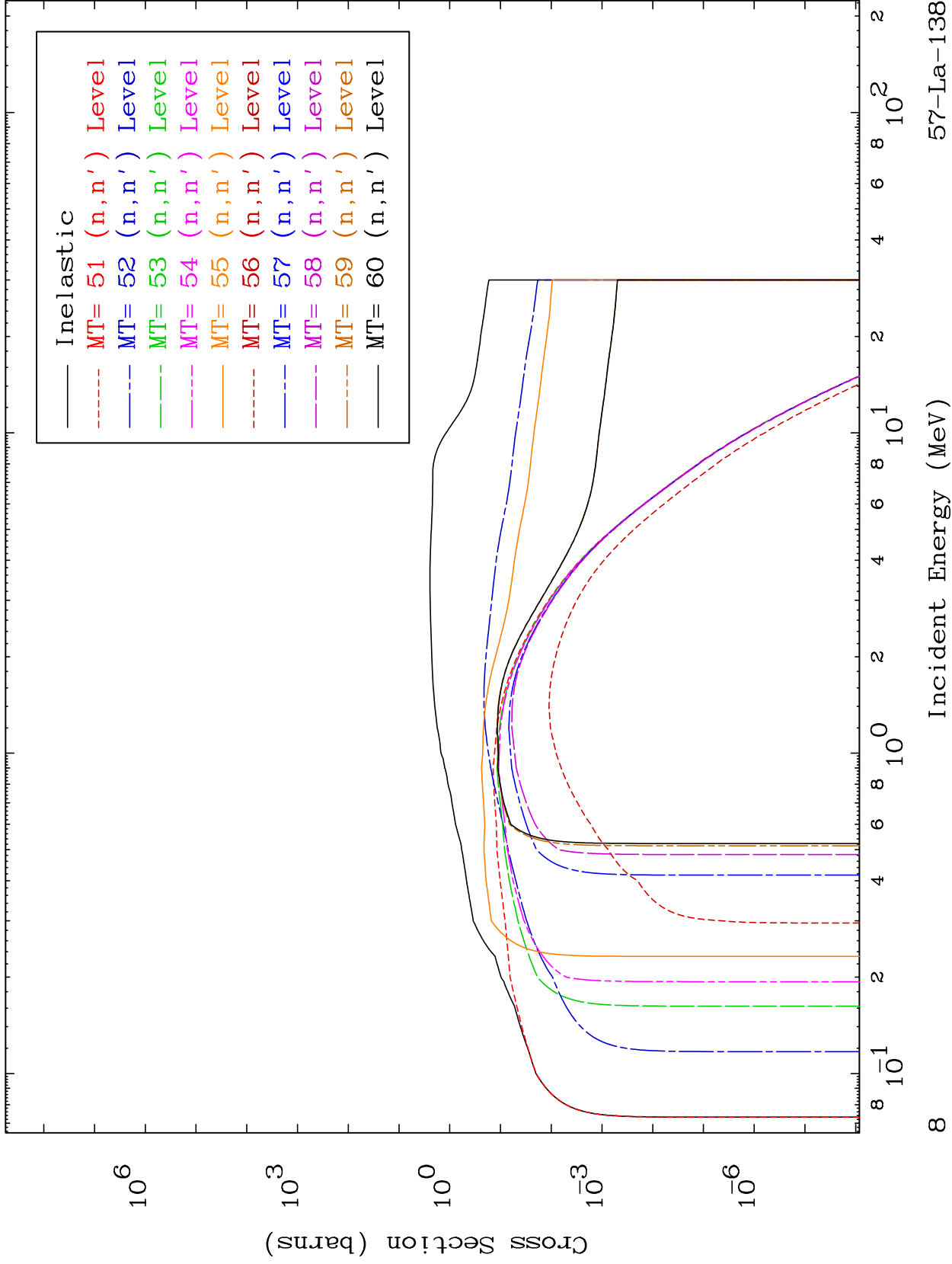


MAT 5725

(n,n') Levels

57-La-138

293 Kelvin Cross Sections



8

Incident Energy (MeV)

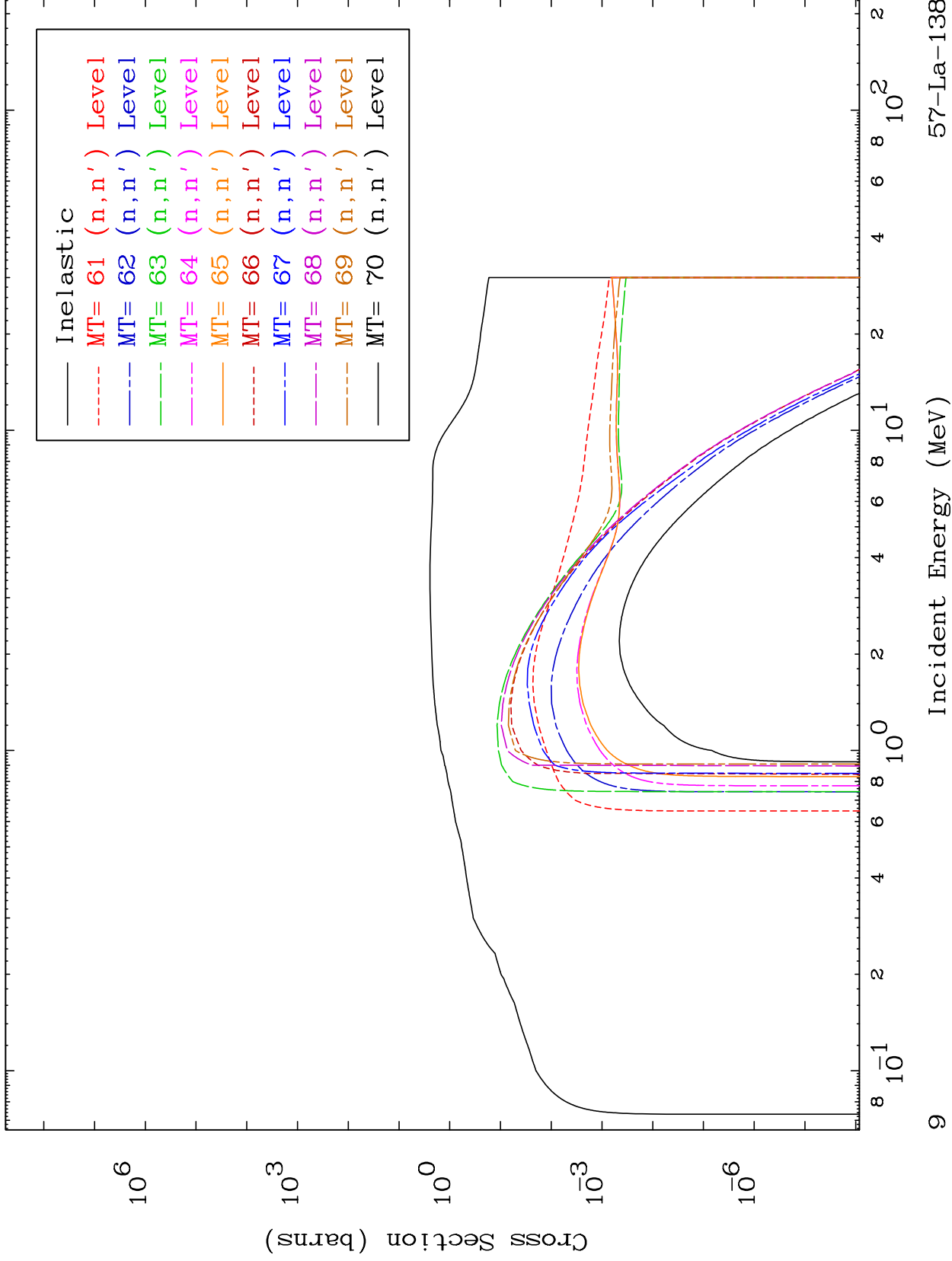
57-La-138

MAT 5725

(n,n') Levels

57-La-138

293 Kelvin Cross Sections



9

Incident Energy (MeV)

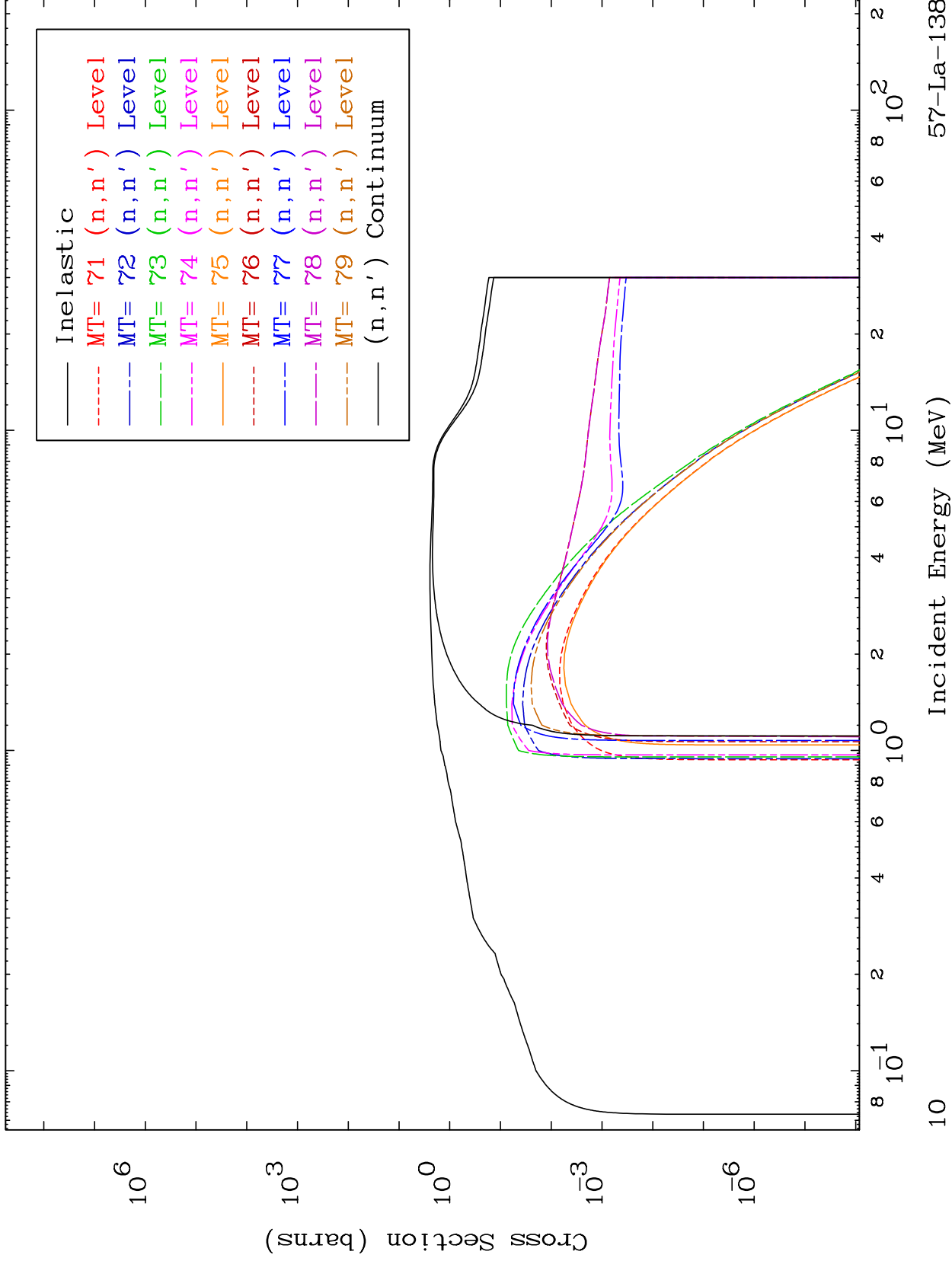
57-La-138

MAT 5725

(n,n') Levels

57-La-138

293 Kelvin Cross Sections



57-La-138

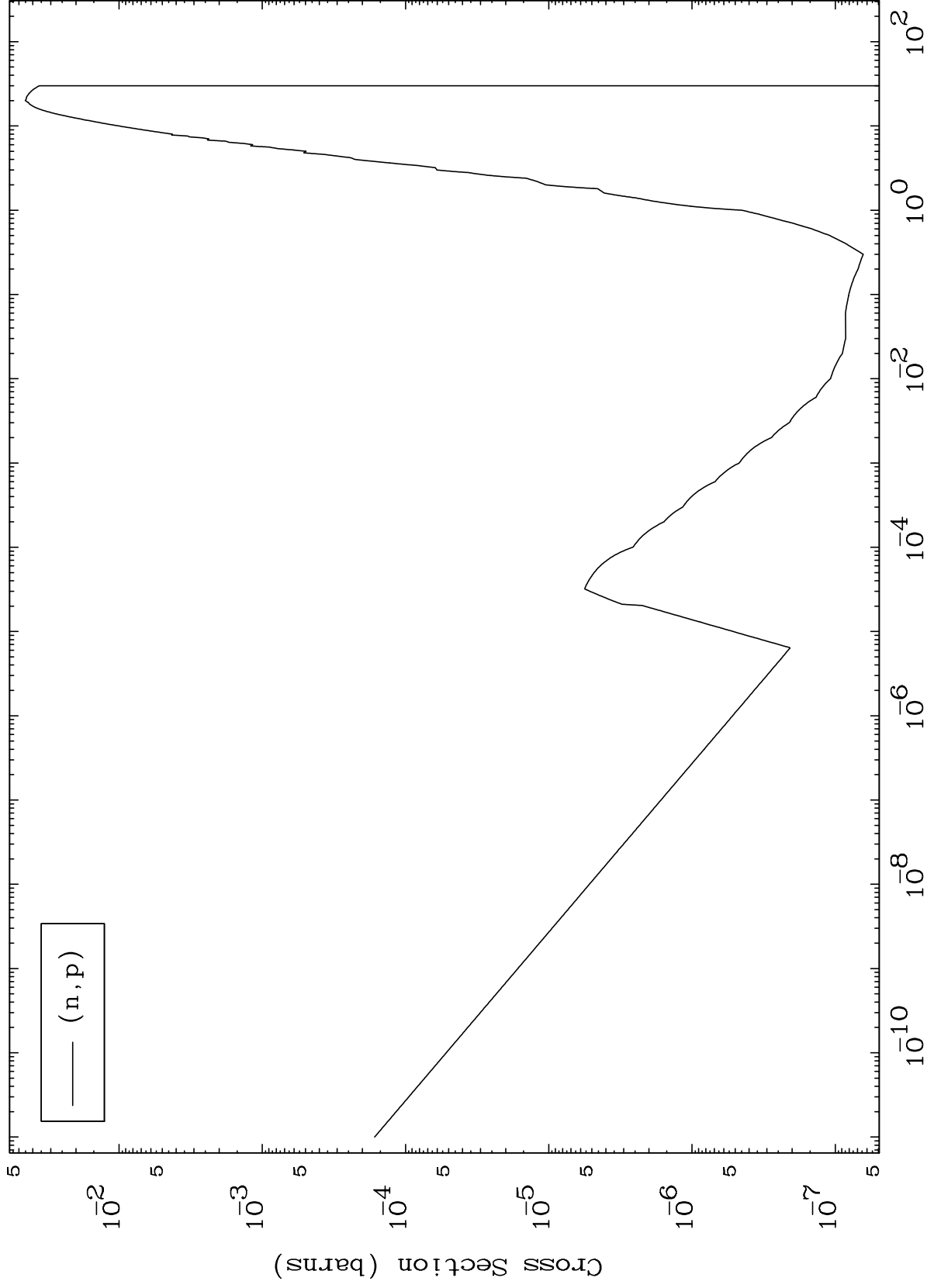
Incident Energy (MeV)

10

MAT 5725

(n,p) Levels
293 Kelvin Cross Sections

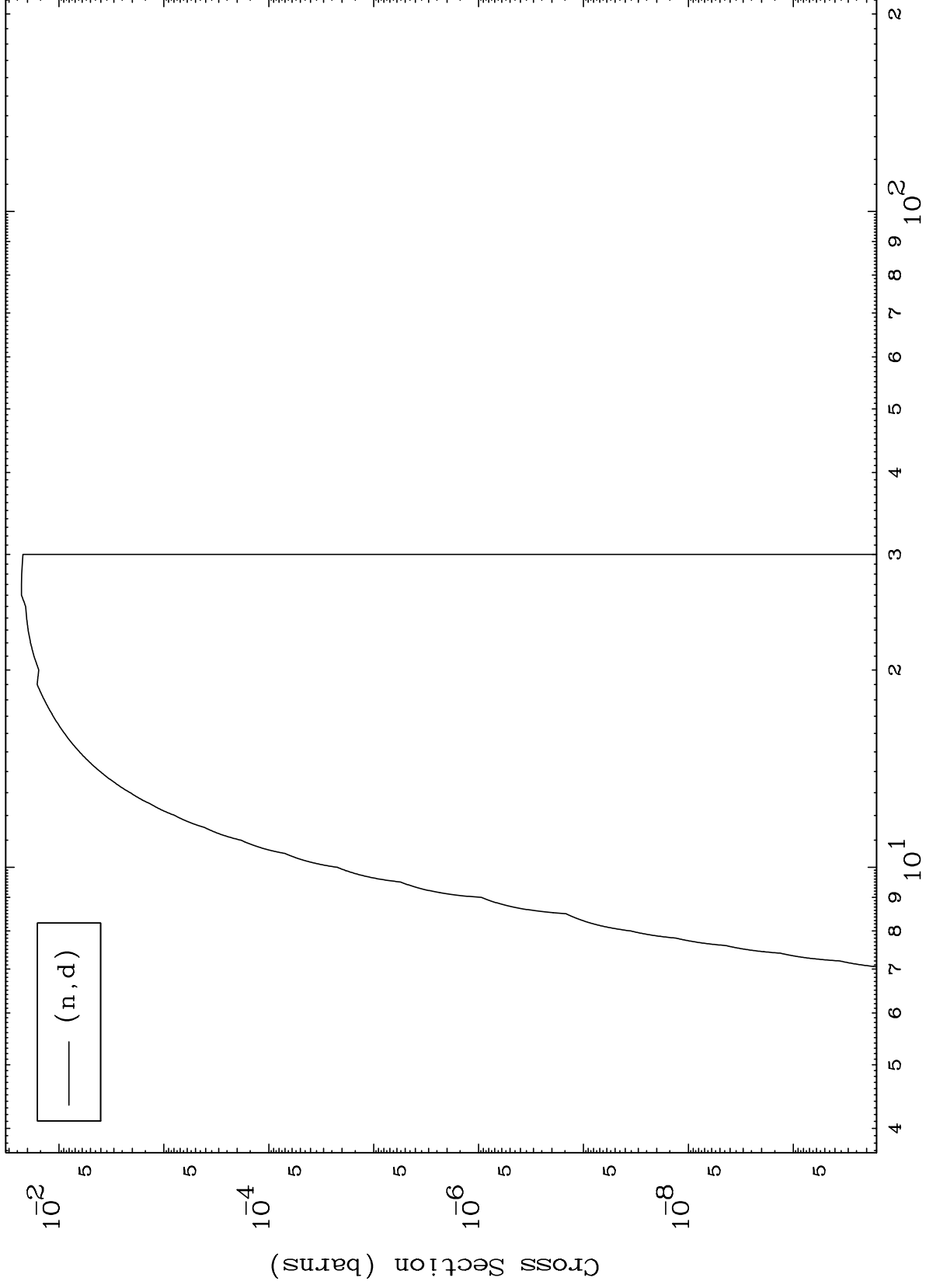
57-La-138



MAT 5725

(n,d) Levels
293 Kelvin Cross Sections

57-La-138



12

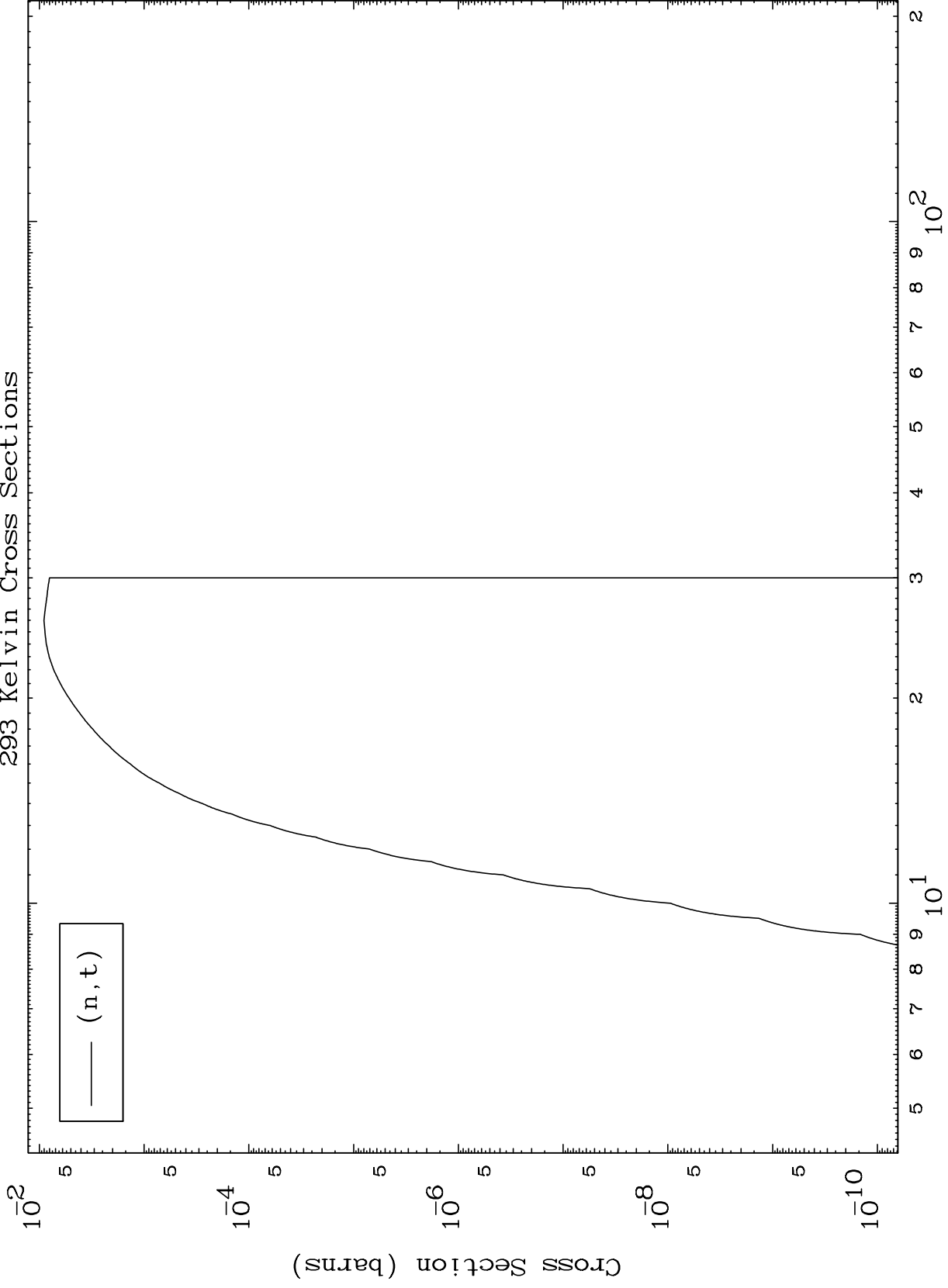
Incident Energy (MeV)

57-La-138

MAT 5725

(n,t) Levels
293 Kelvin Cross Sections

57-La-138



13

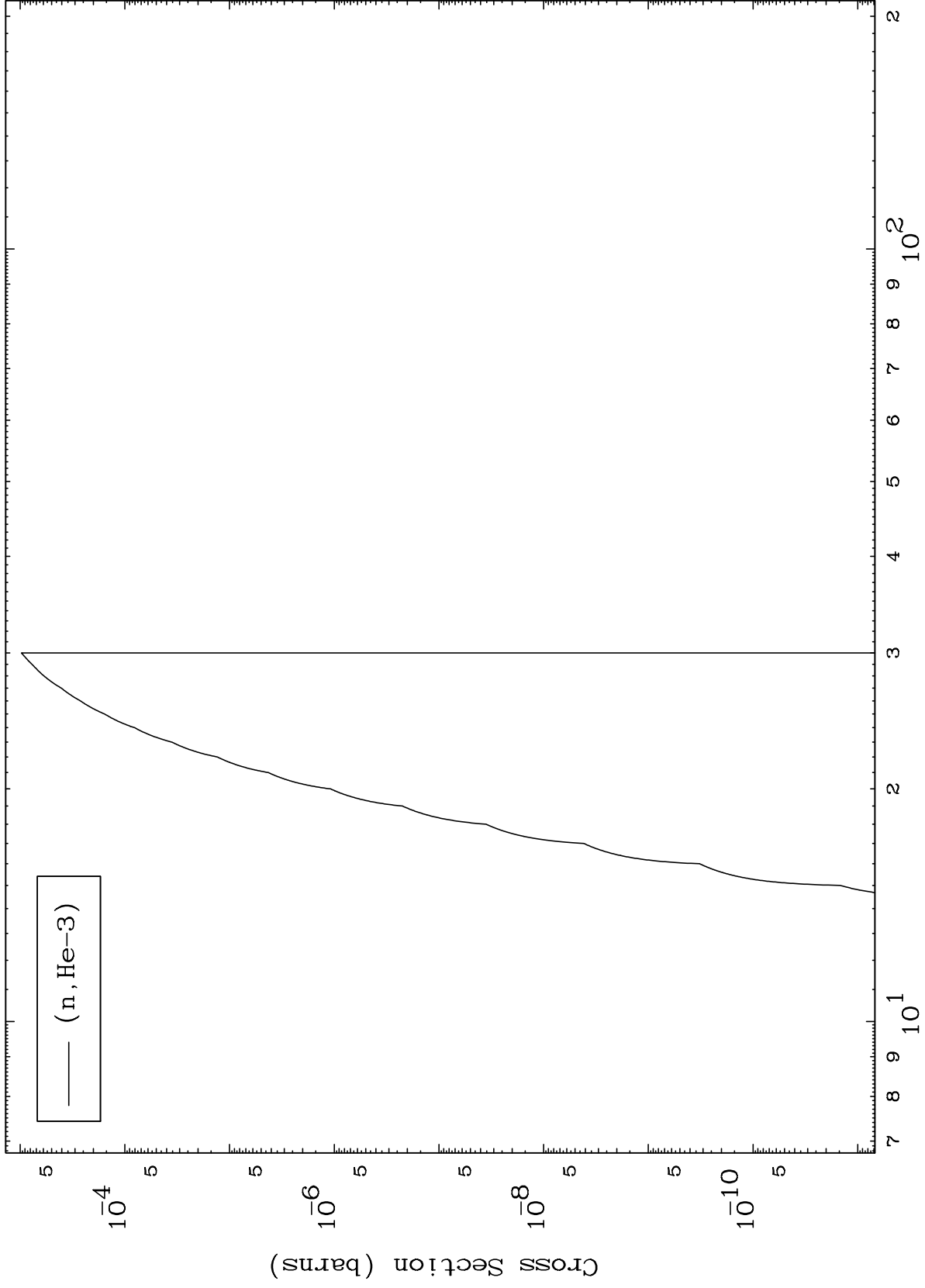
Incident Energy (MeV)

57-La-138

MAT 5725

(n,He3) Levels
293 Kelvin Cross Sections

57-La-138



14

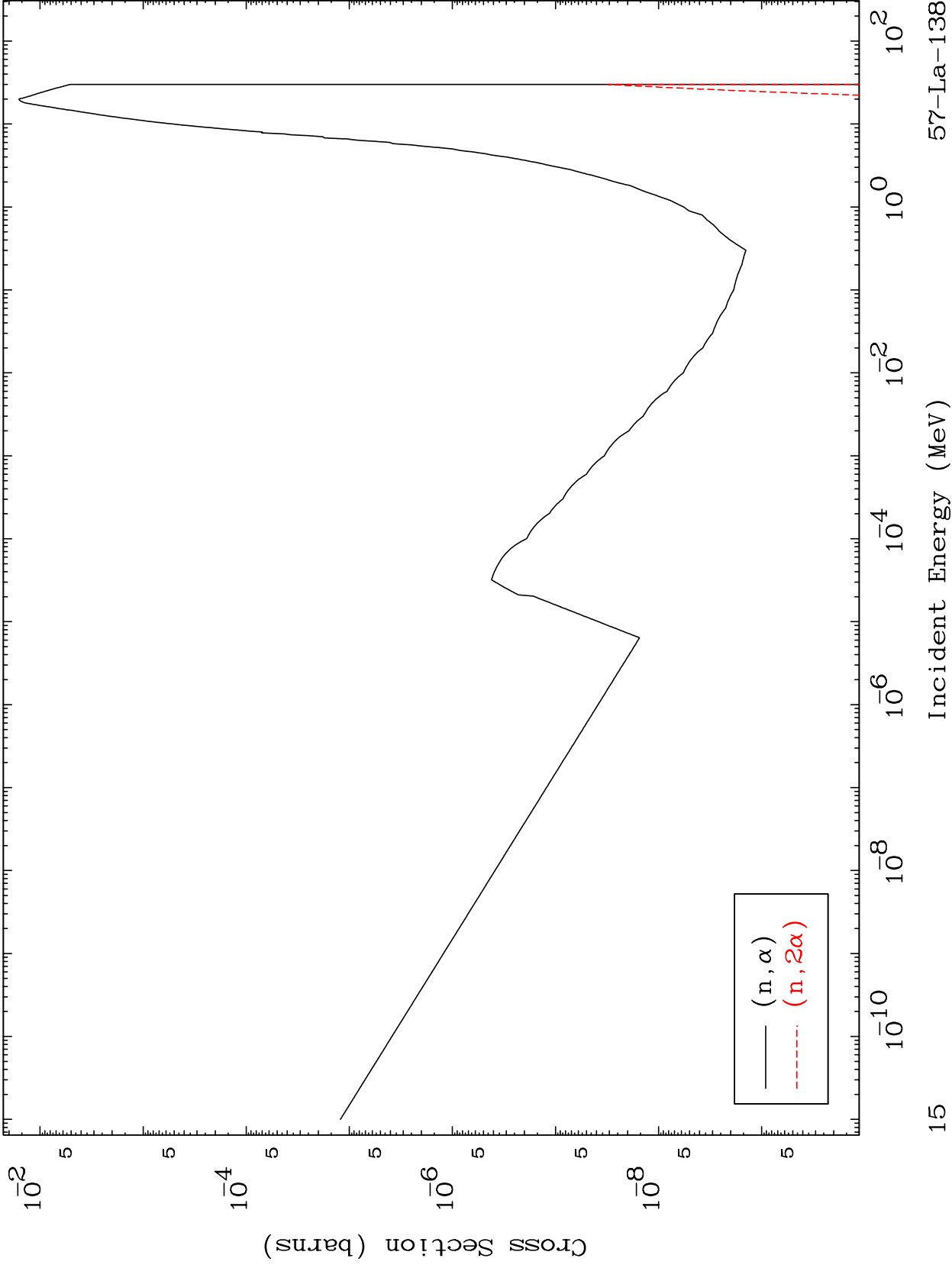
Incident Energy (MeV)

57-La-138

MAT 5725

(n, α) Levels
293 Kelvin Cross Sections

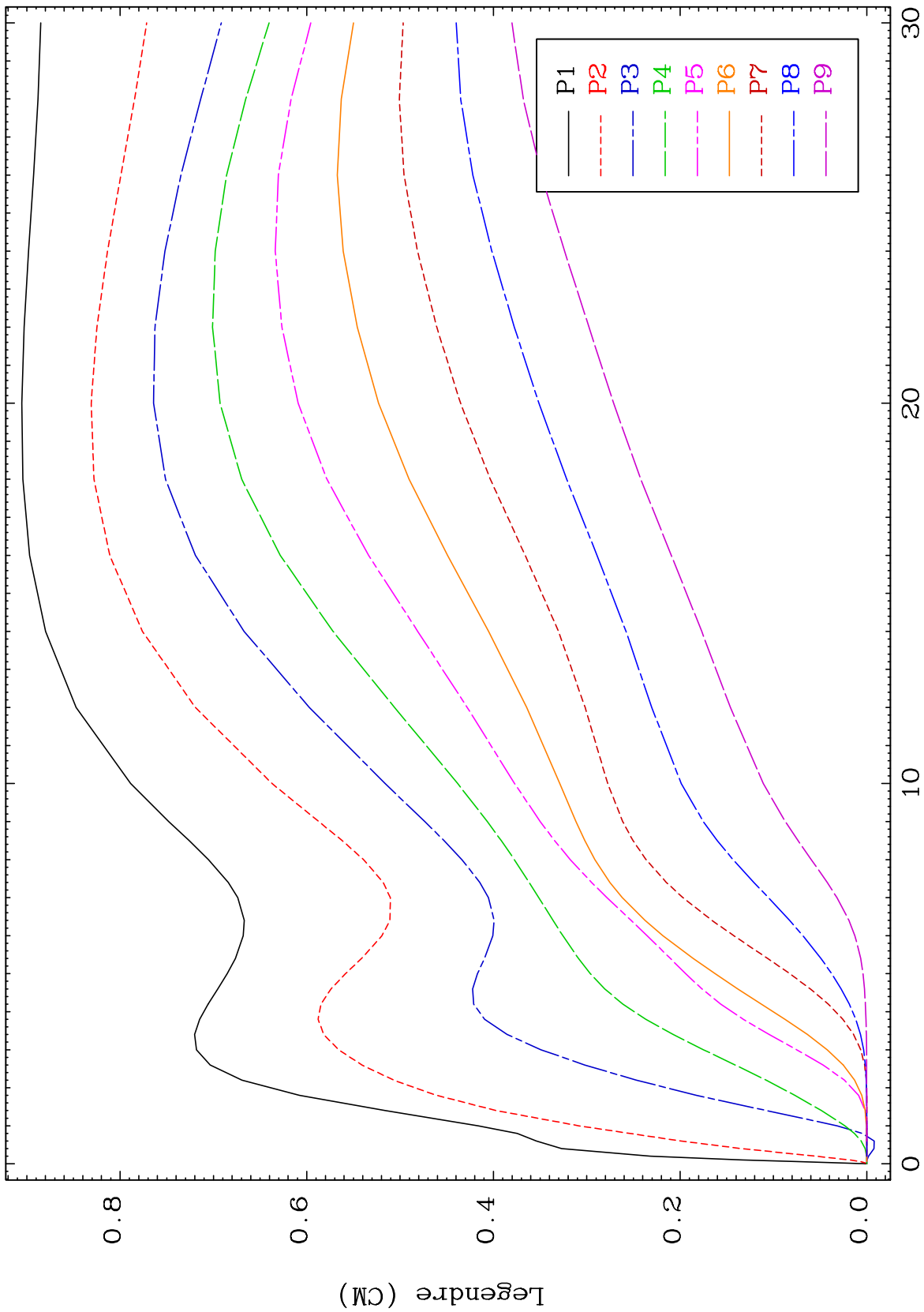
57-La-138



MAT 5725

Elastic Legendre Coefficients

57-La-138



16

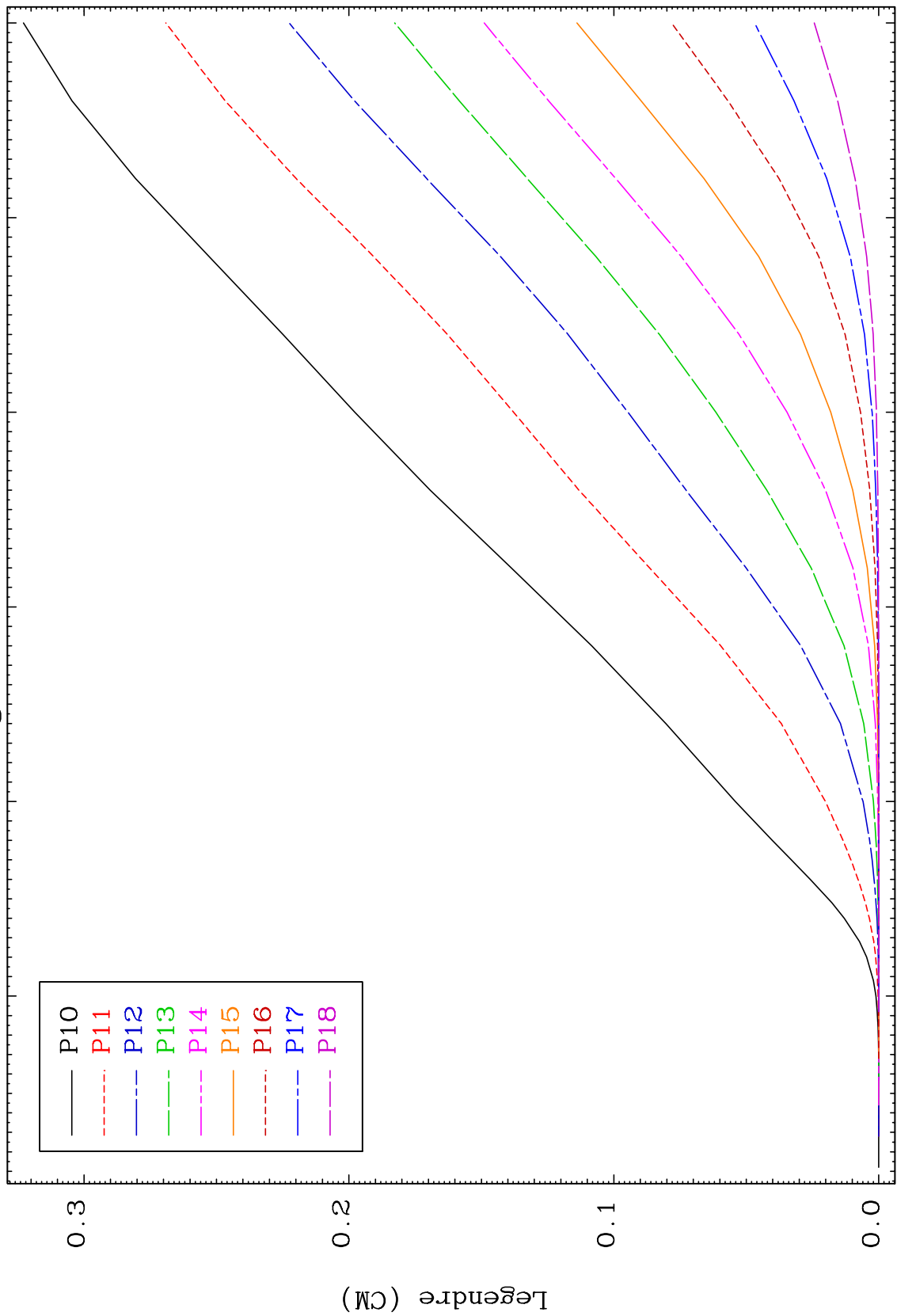
Incident Energy (MeV)

57-La-138

MAT 5725

Elastic Legendre Coefficients

57-La-138



17

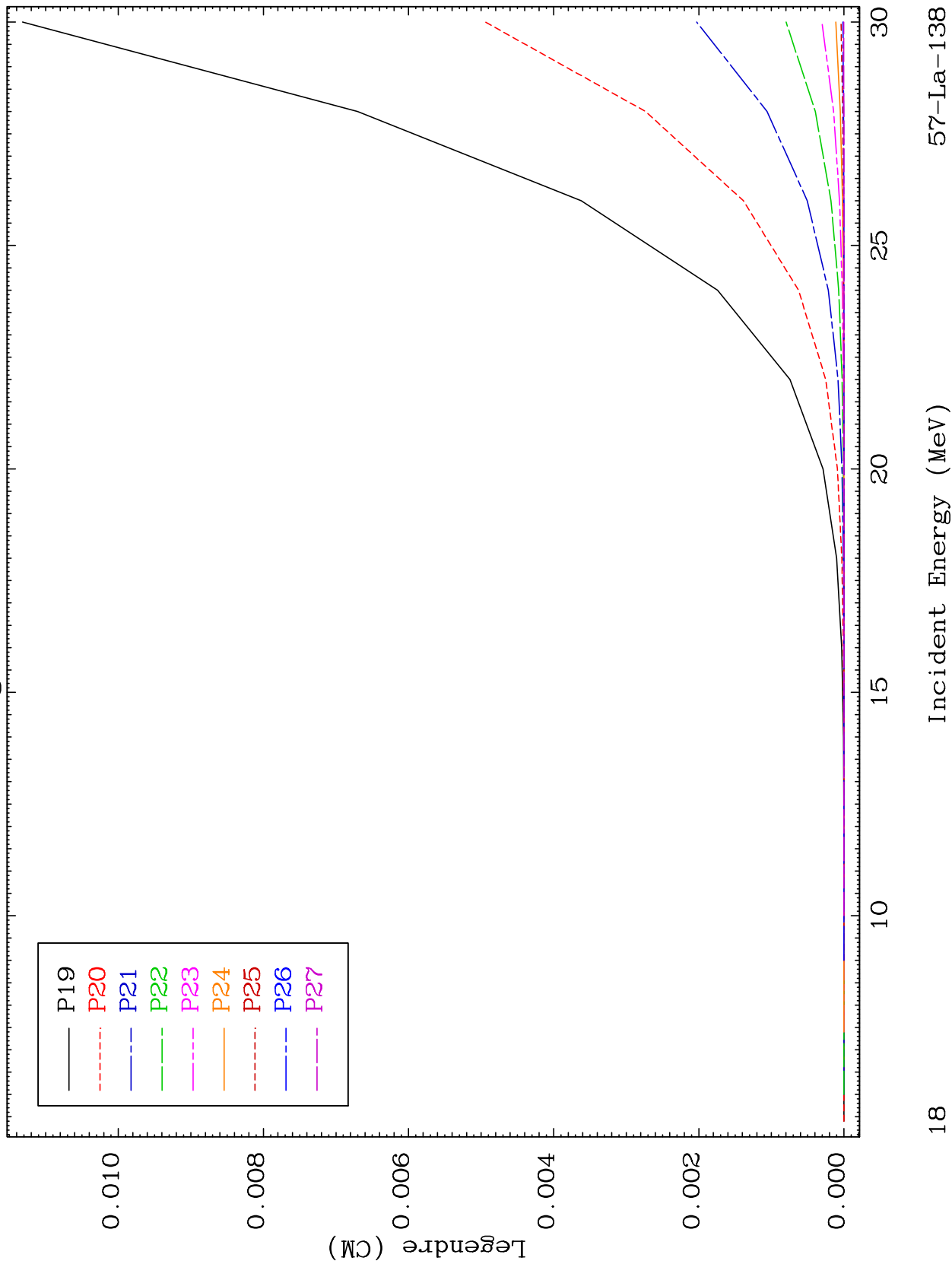
57-La-138

Incident Energy (MeV)

MAT 5725

Elastic Legendre Coefficients

57-La-138



18

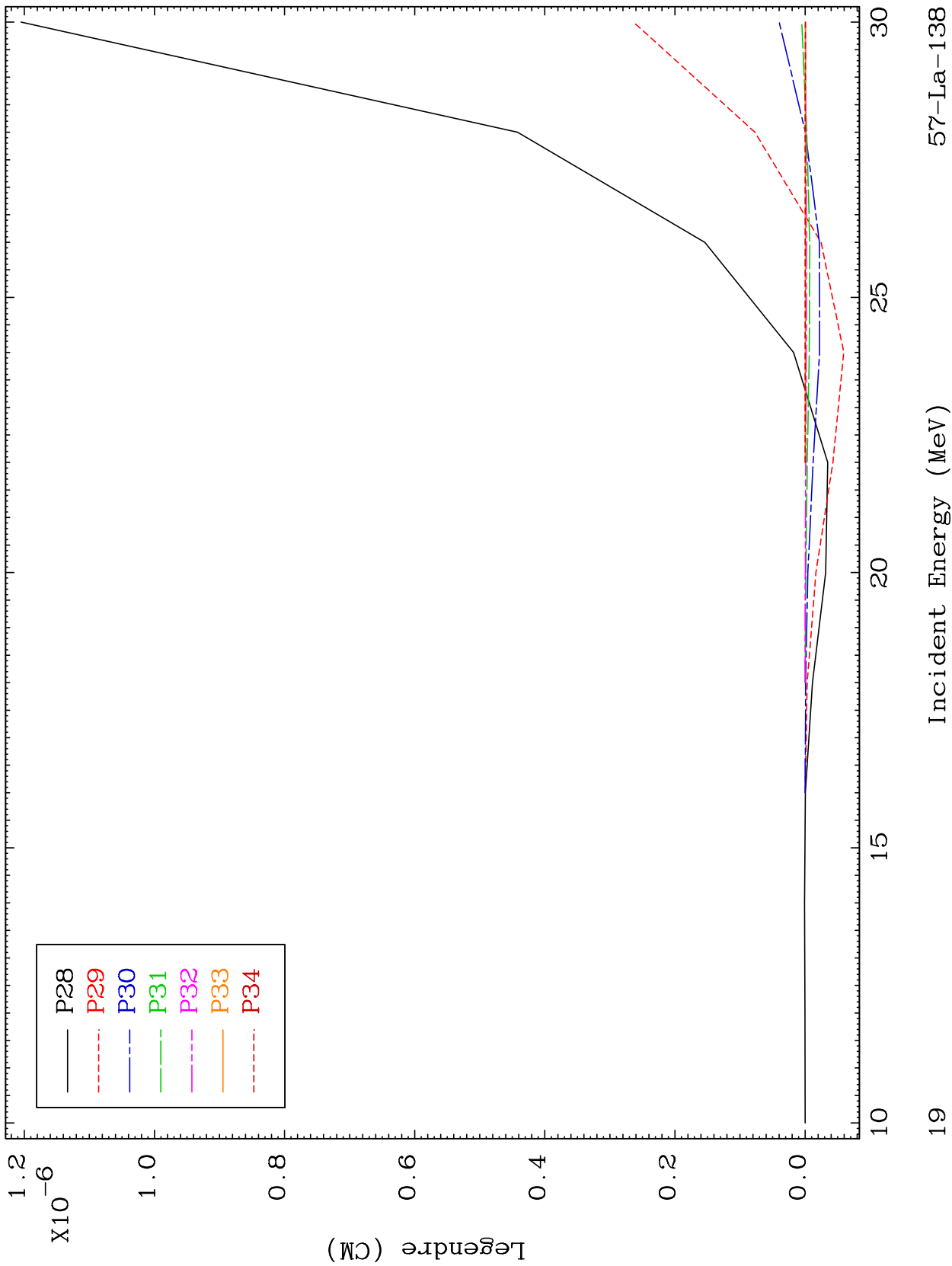
Incident Energy (MeV)

57-La-138

MAT 5725

Elastic
Legendre Coefficients

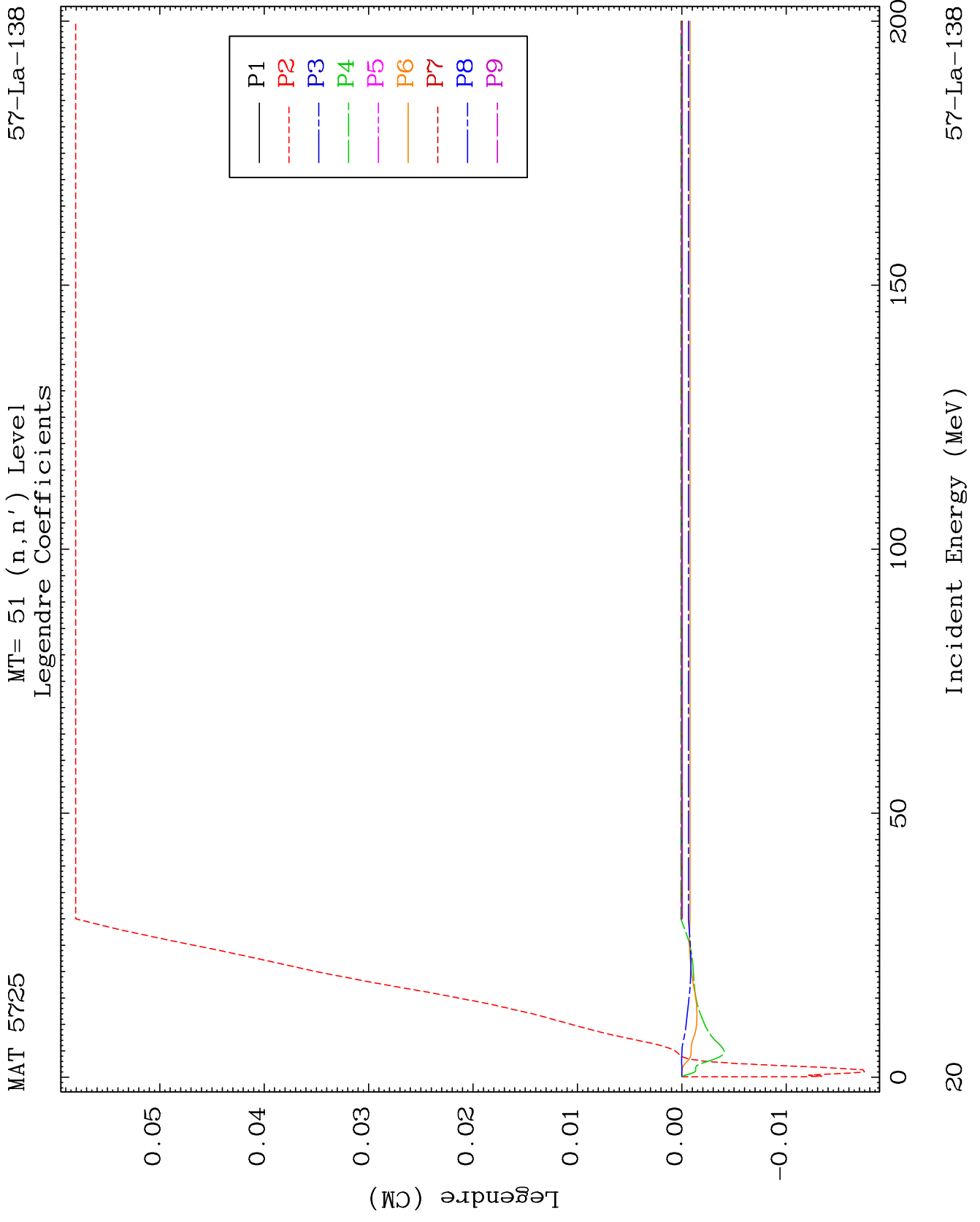
57-La-138



19

Incident Energy (MeV)

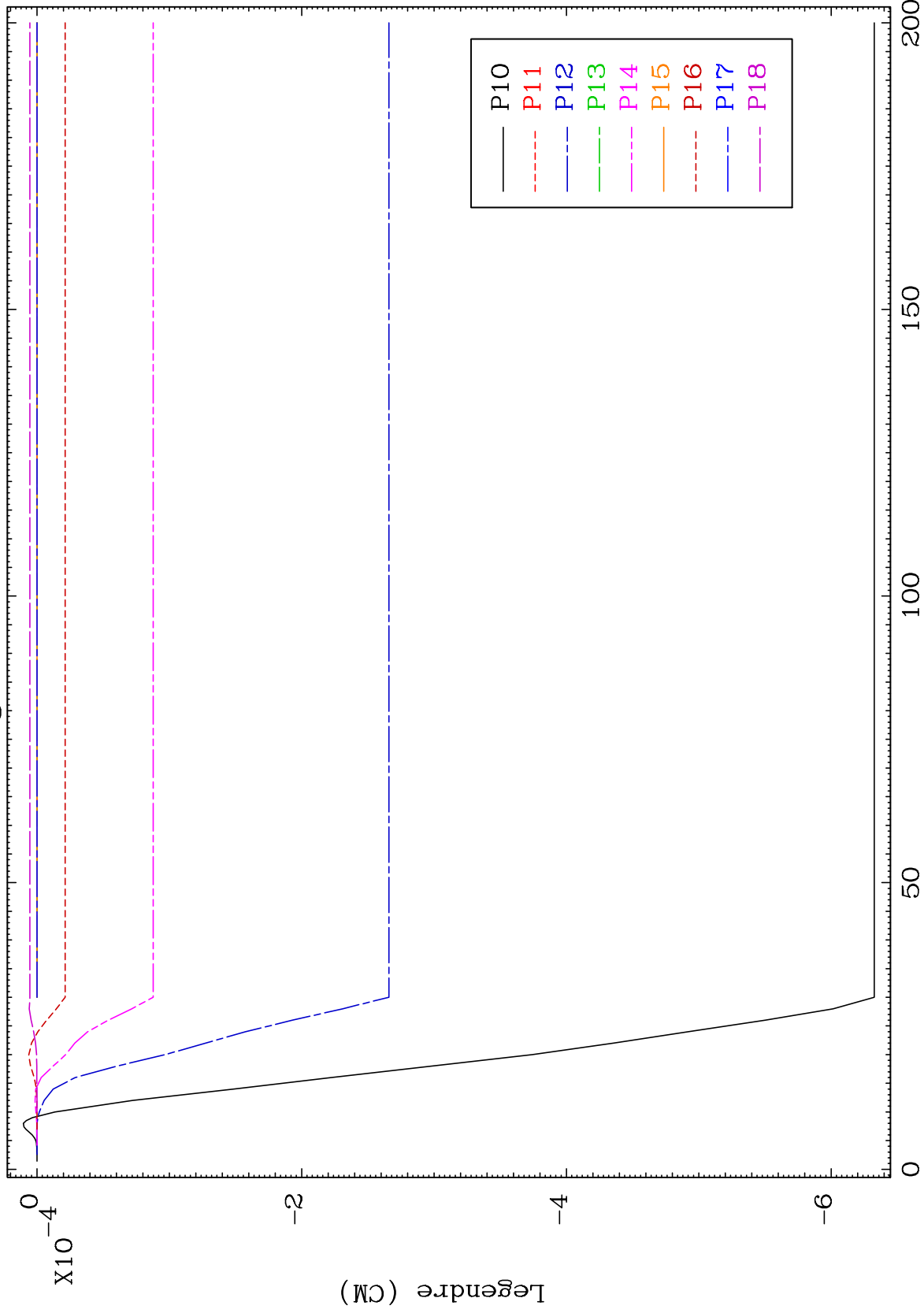
57-La-138



MAT 5725

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

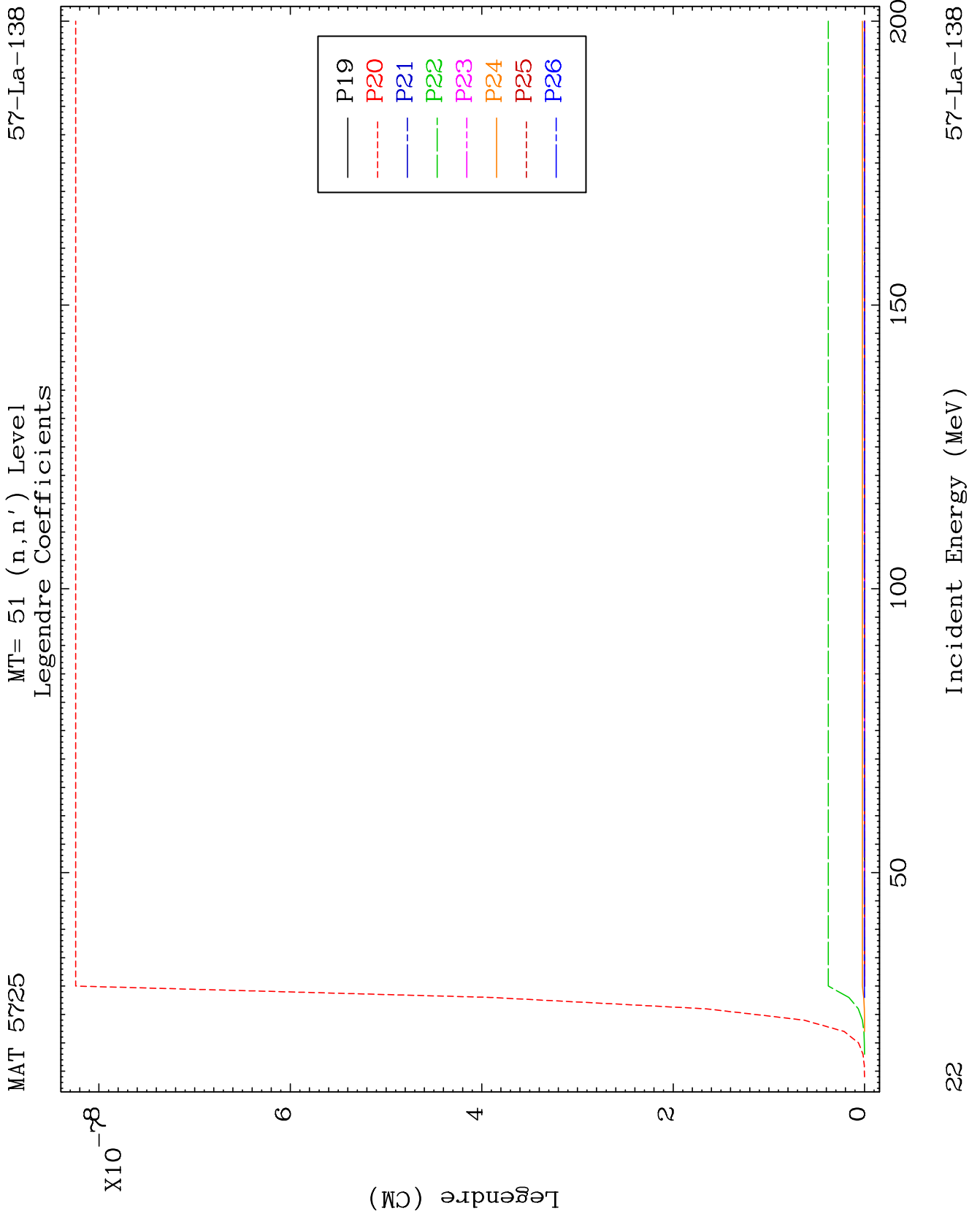
57-La-138



21

Incident Energy (MeV)

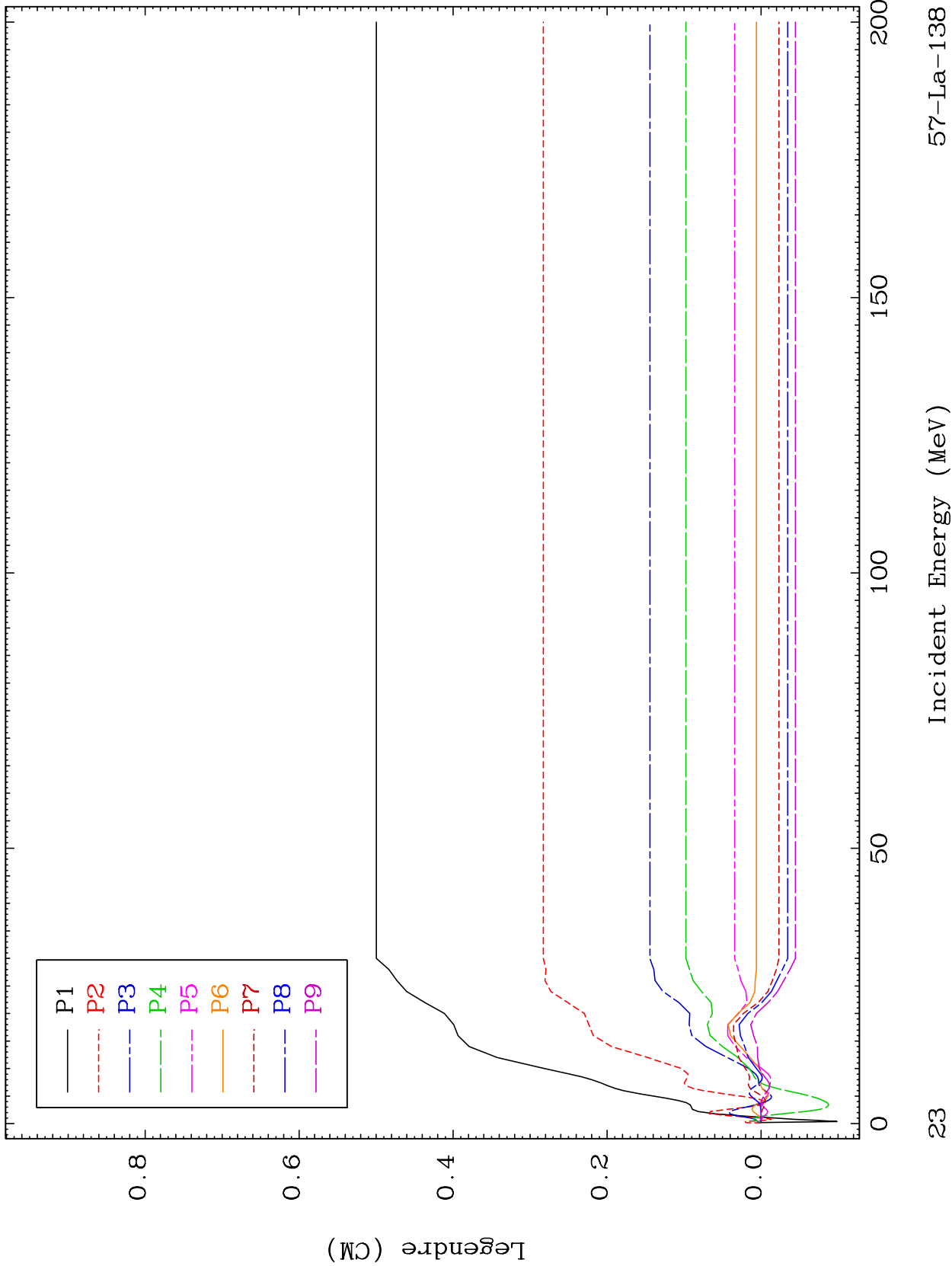
57-La-138



MAT 5725

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

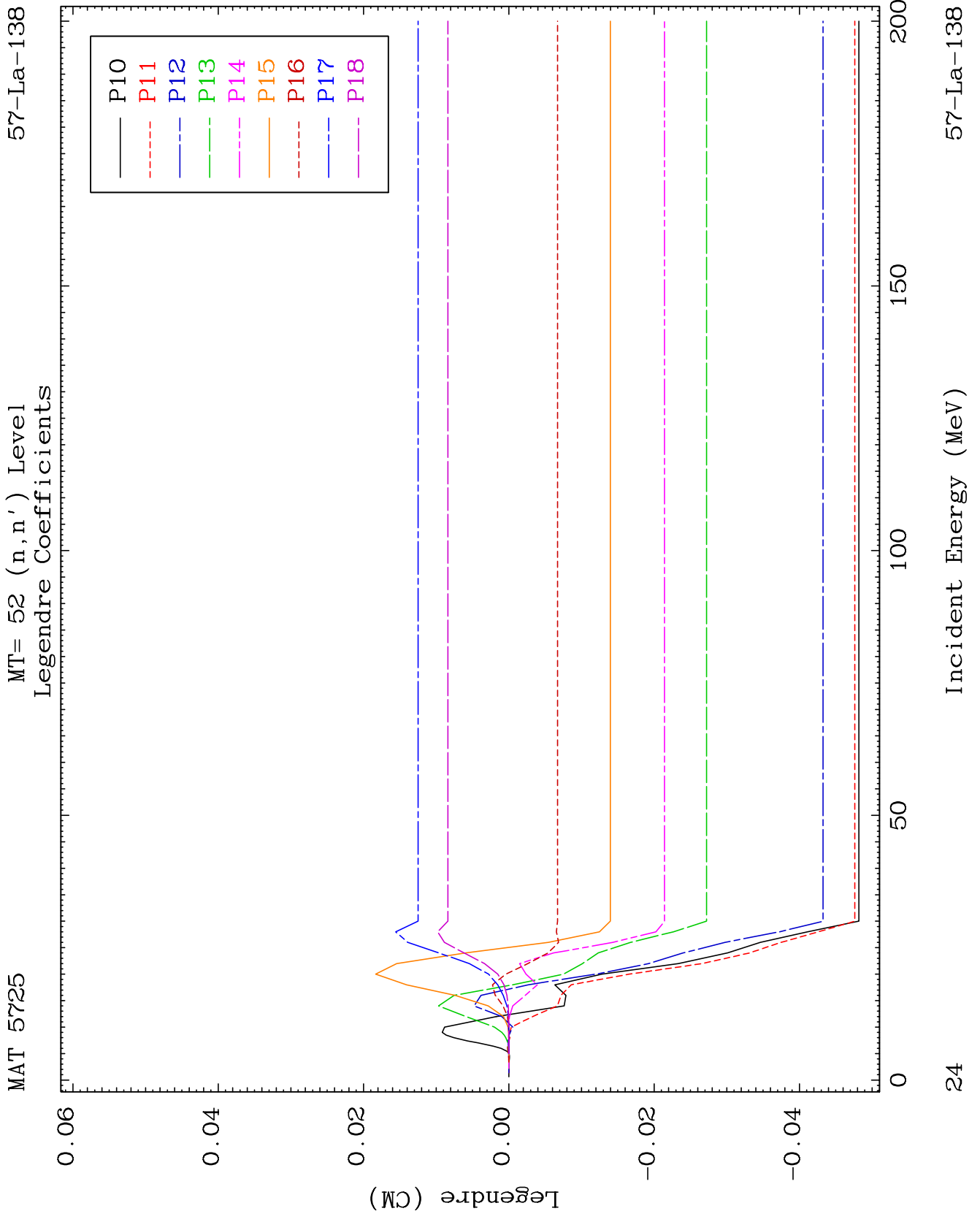
57-La-138



57-La-138

Incident Energy (MeV)

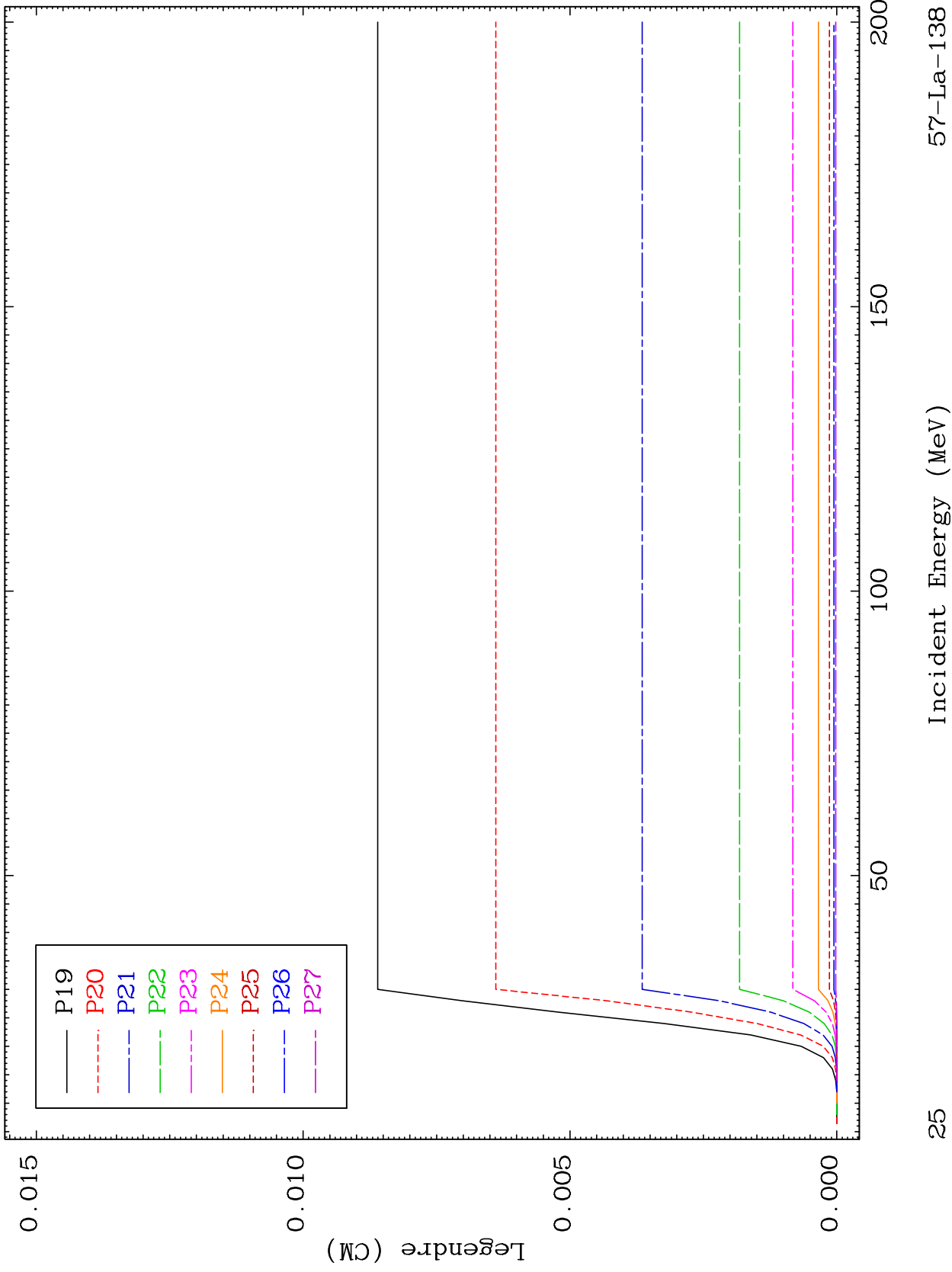
23



MAT 5725

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

57-La-138



57-La-138

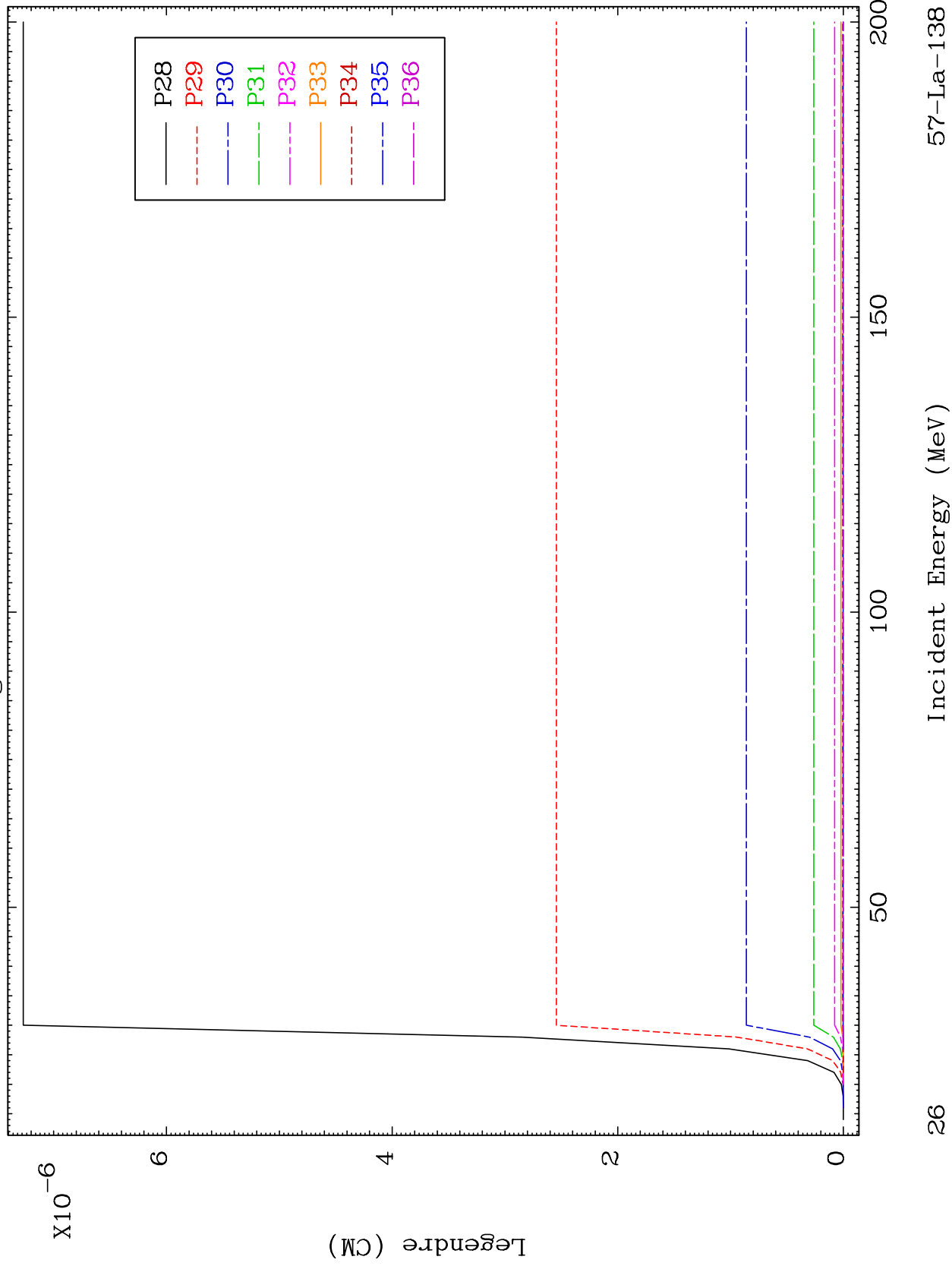
Incident Energy (MeV)

25

MAT 5725

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

57-La-138



26

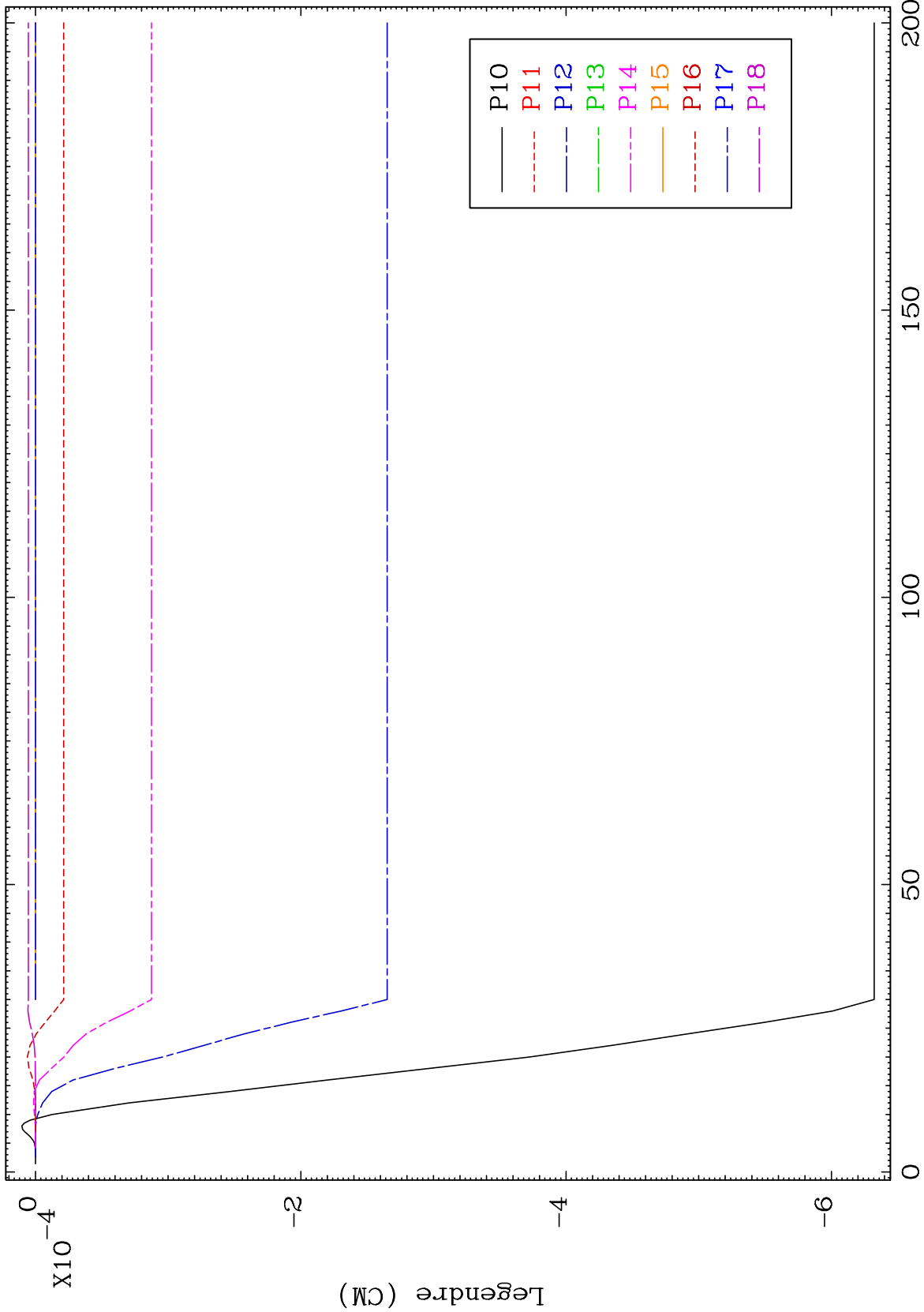
57-La-138

MAT 5725

MT= 53 (n,n') Level

57-La-138

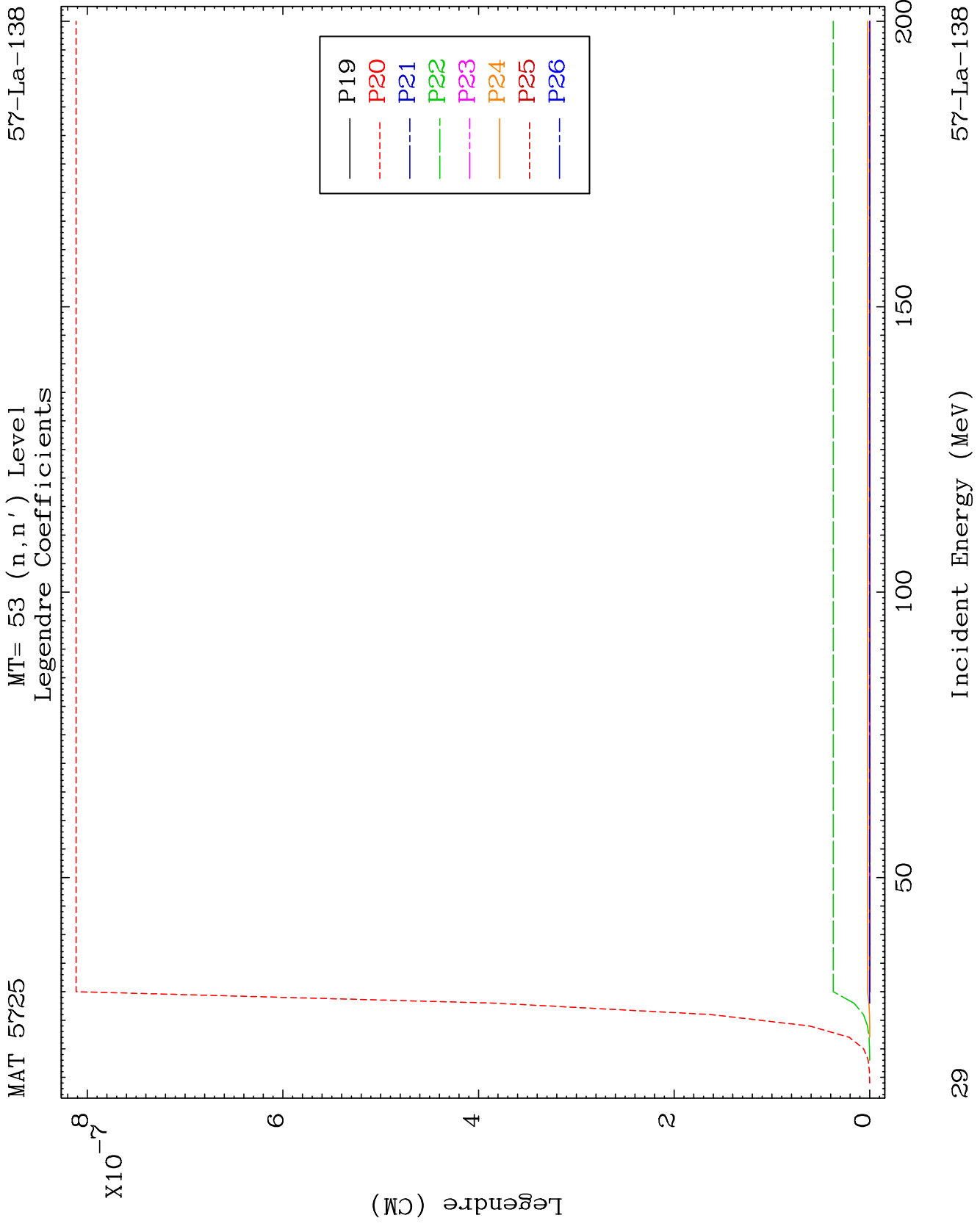
Legendre Coefficients



28

Incident Energy (MeV)

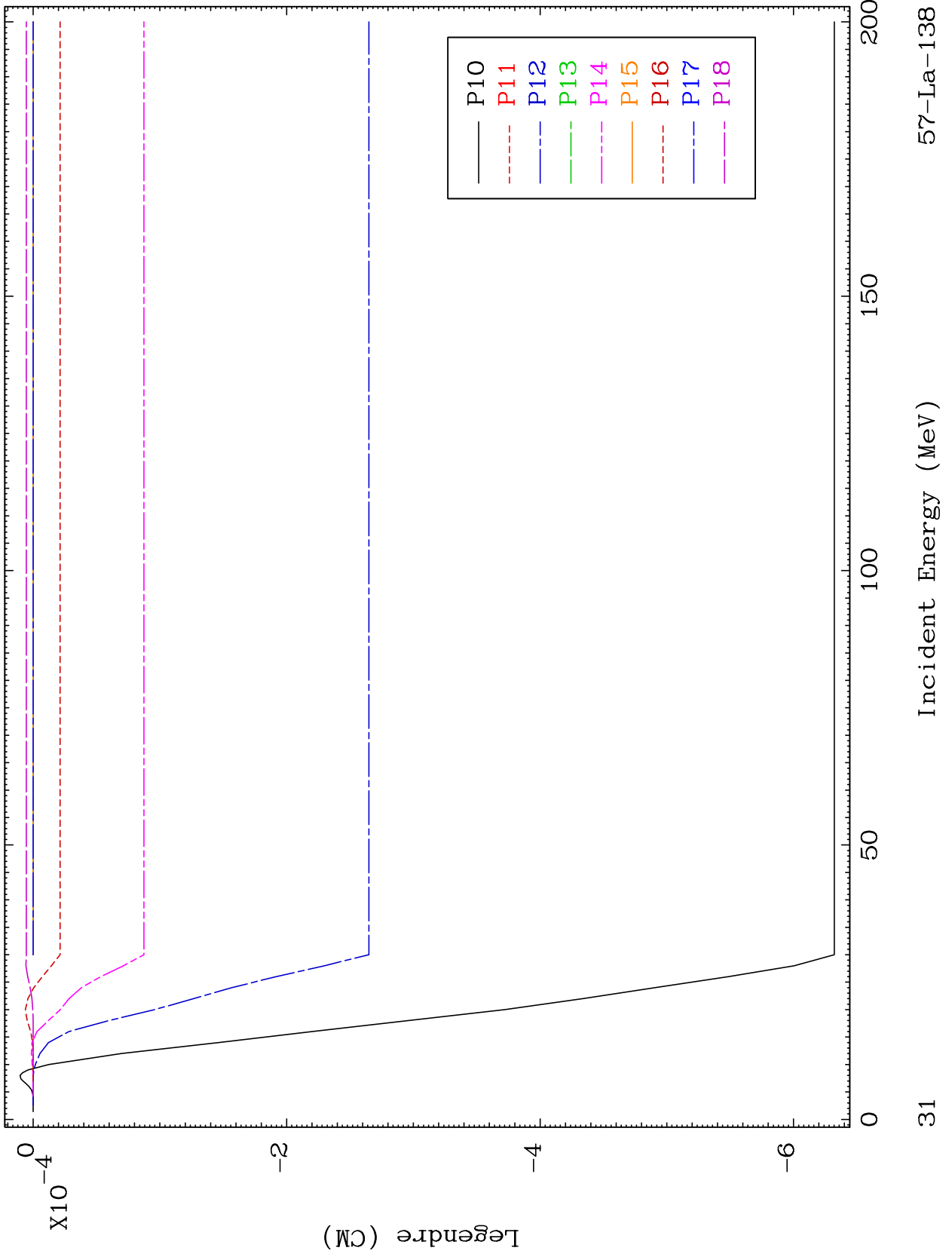
57-La-138



MAT 5725

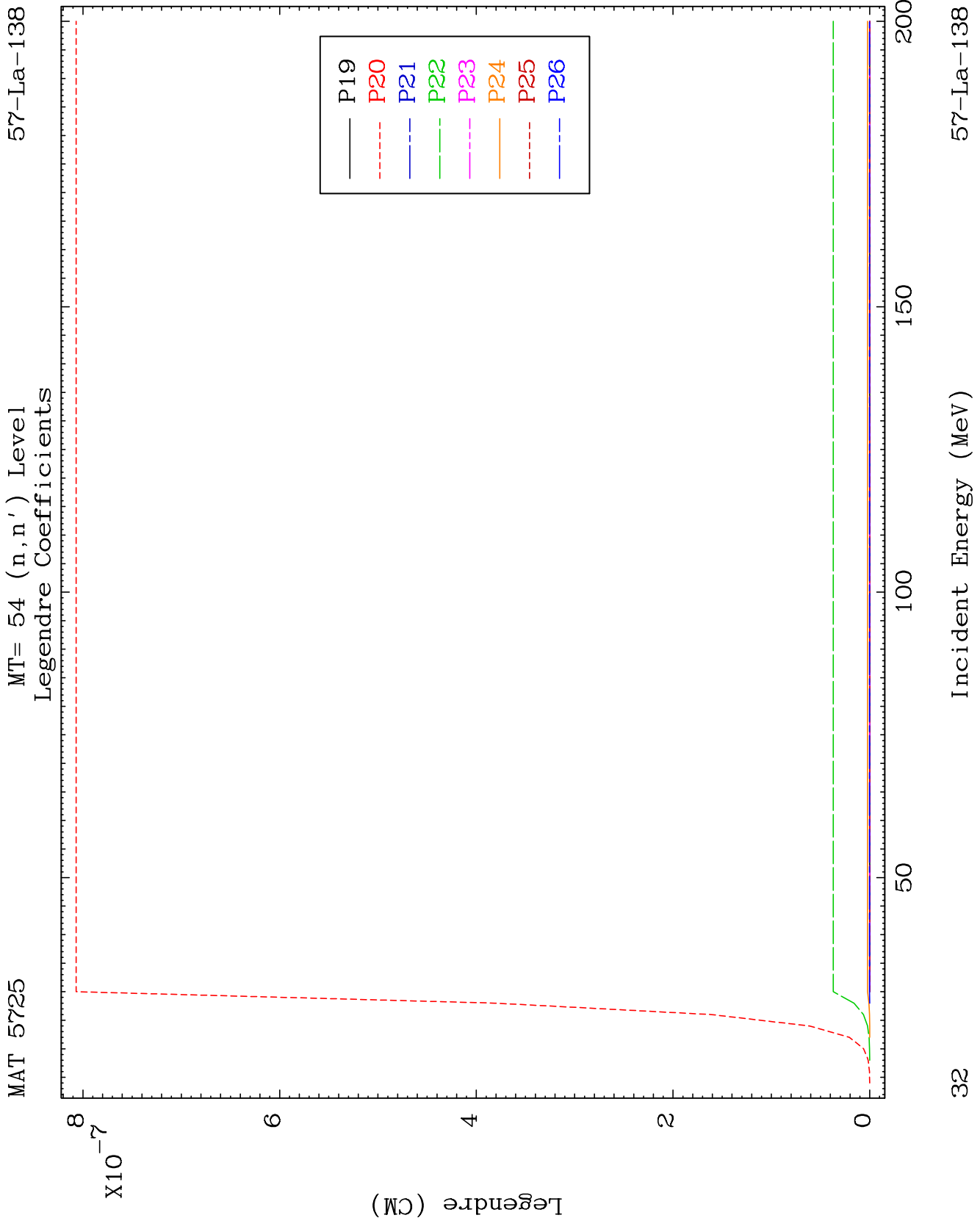
MT= 54 (n,n') Level
Legendre Coefficients

57-La-138



31

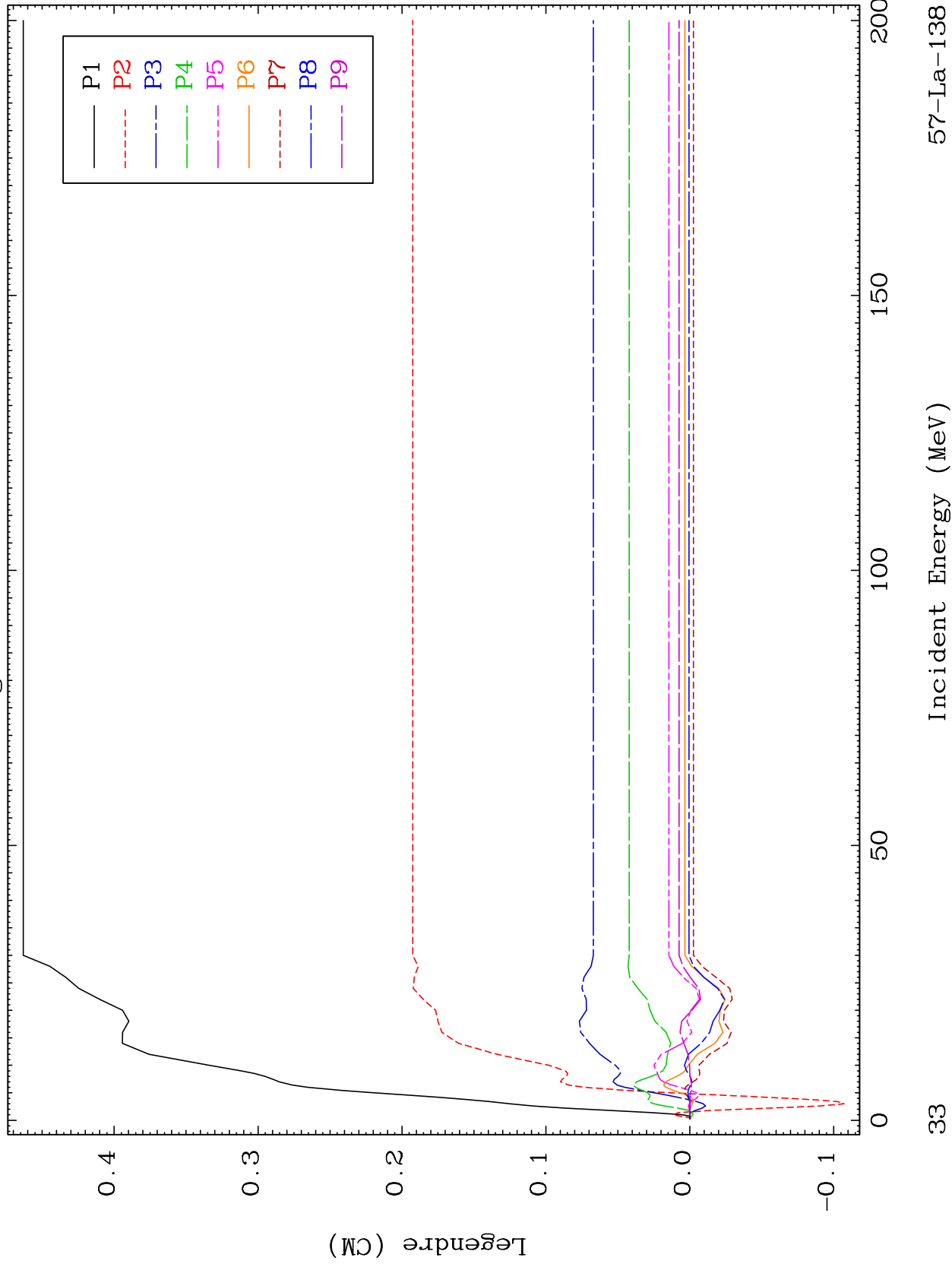
57-La-138



MAT 5725

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

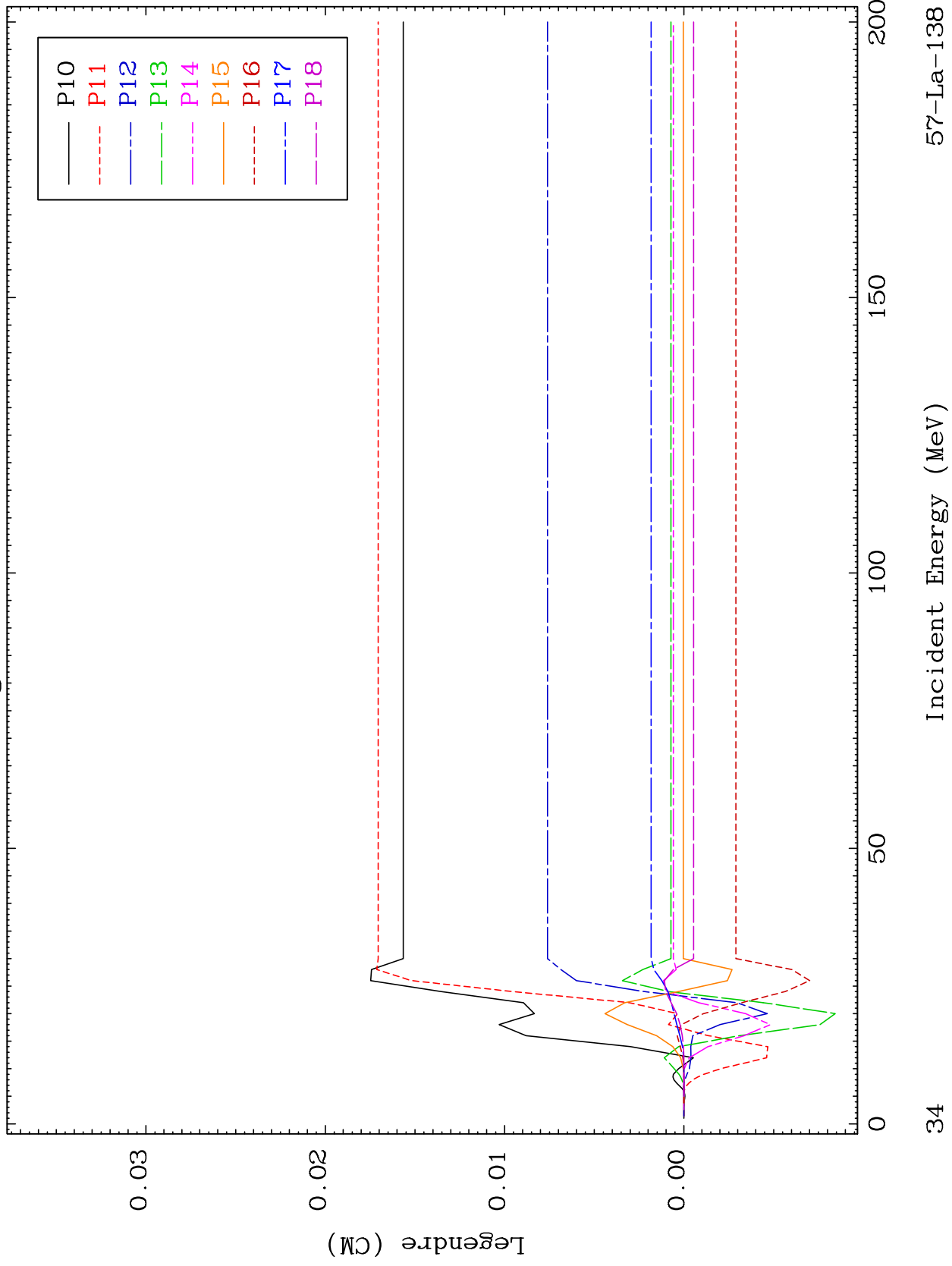
57-La-138



MAT 5725

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

57-La-138



57-La-138

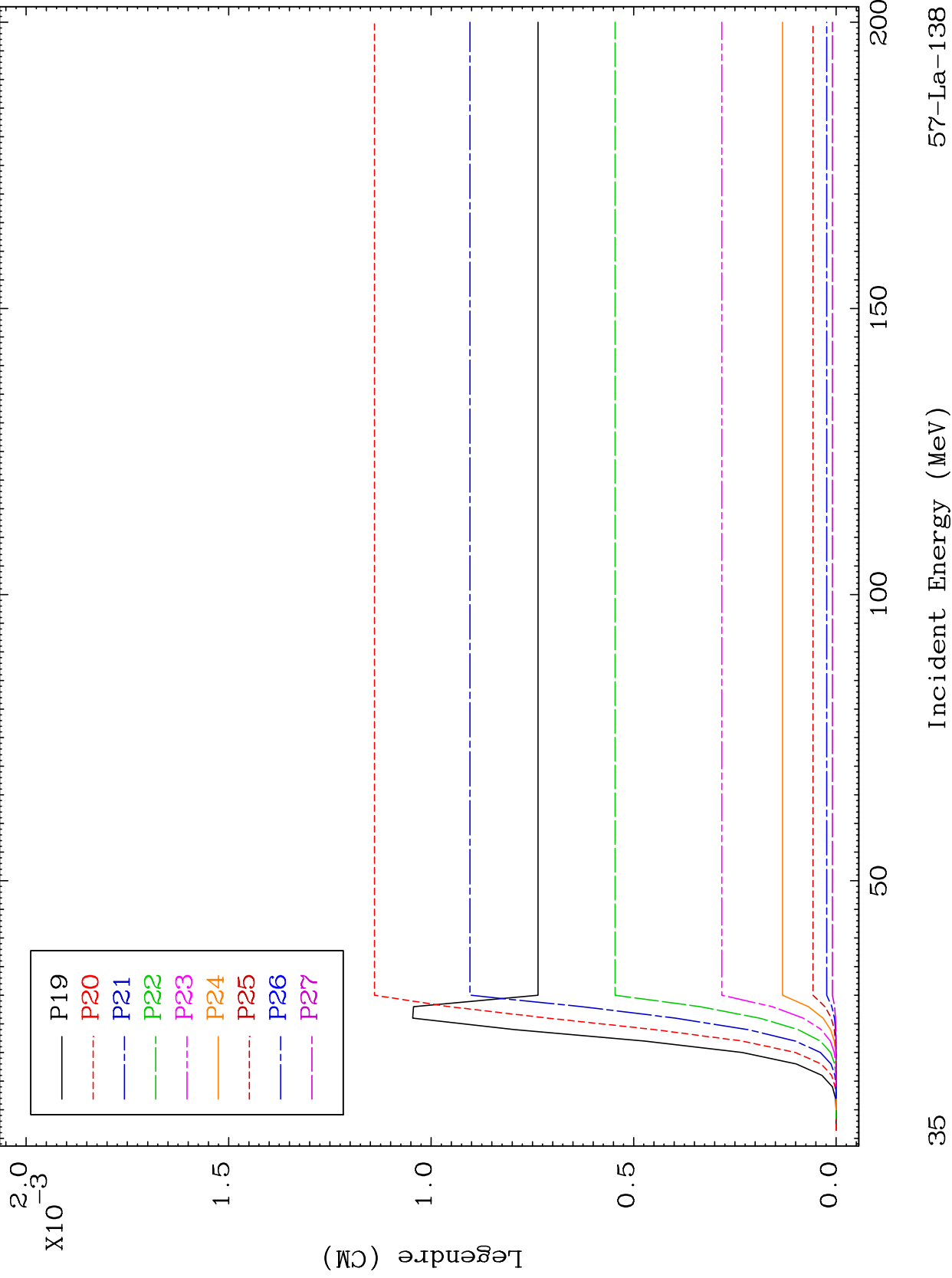
Incident Energy (MeV)

34

MAT 5725

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

57-La-138



35

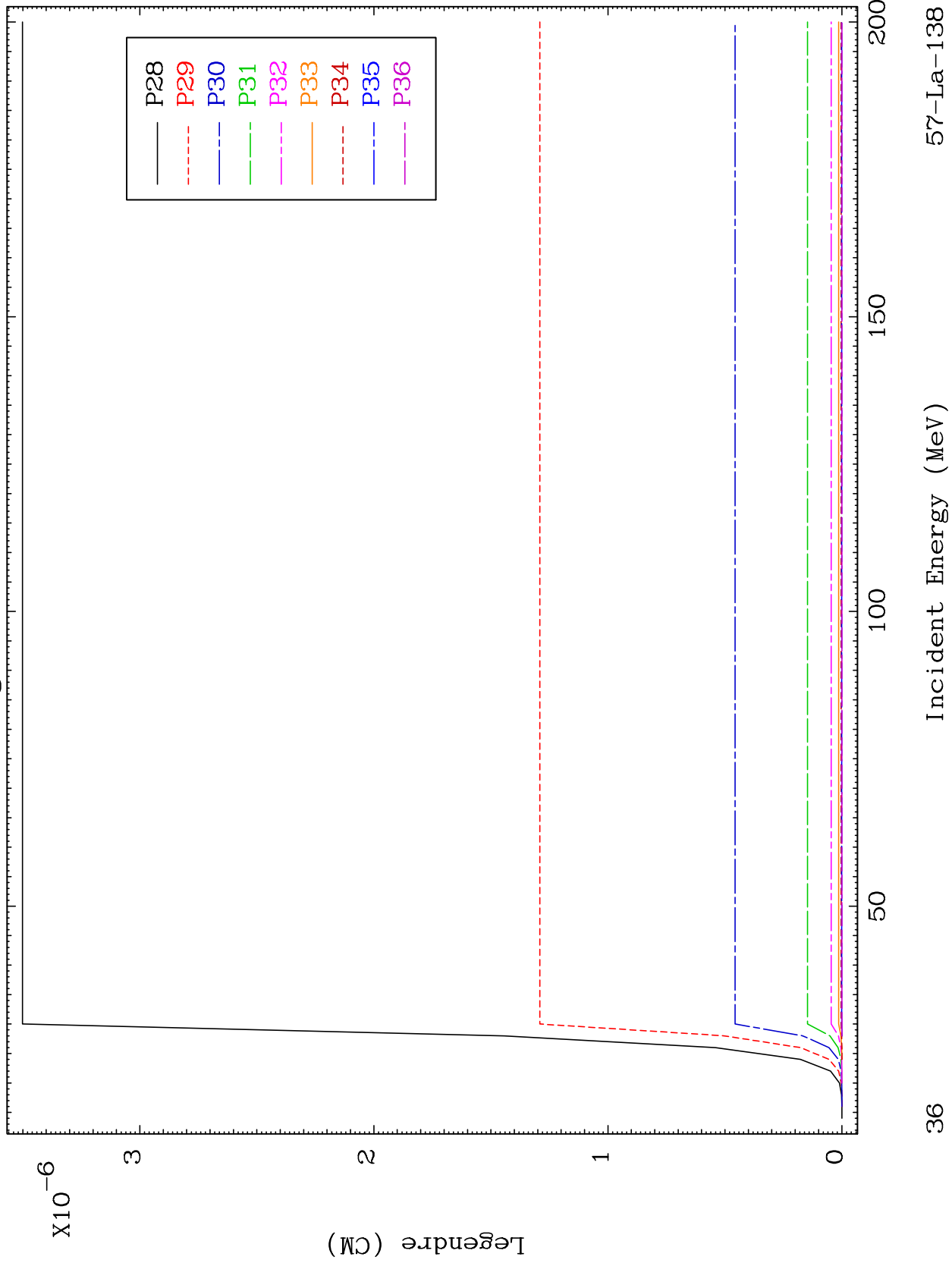
Incident Energy (MeV)

57-La-138

MAT 5725

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

57-La-138



36

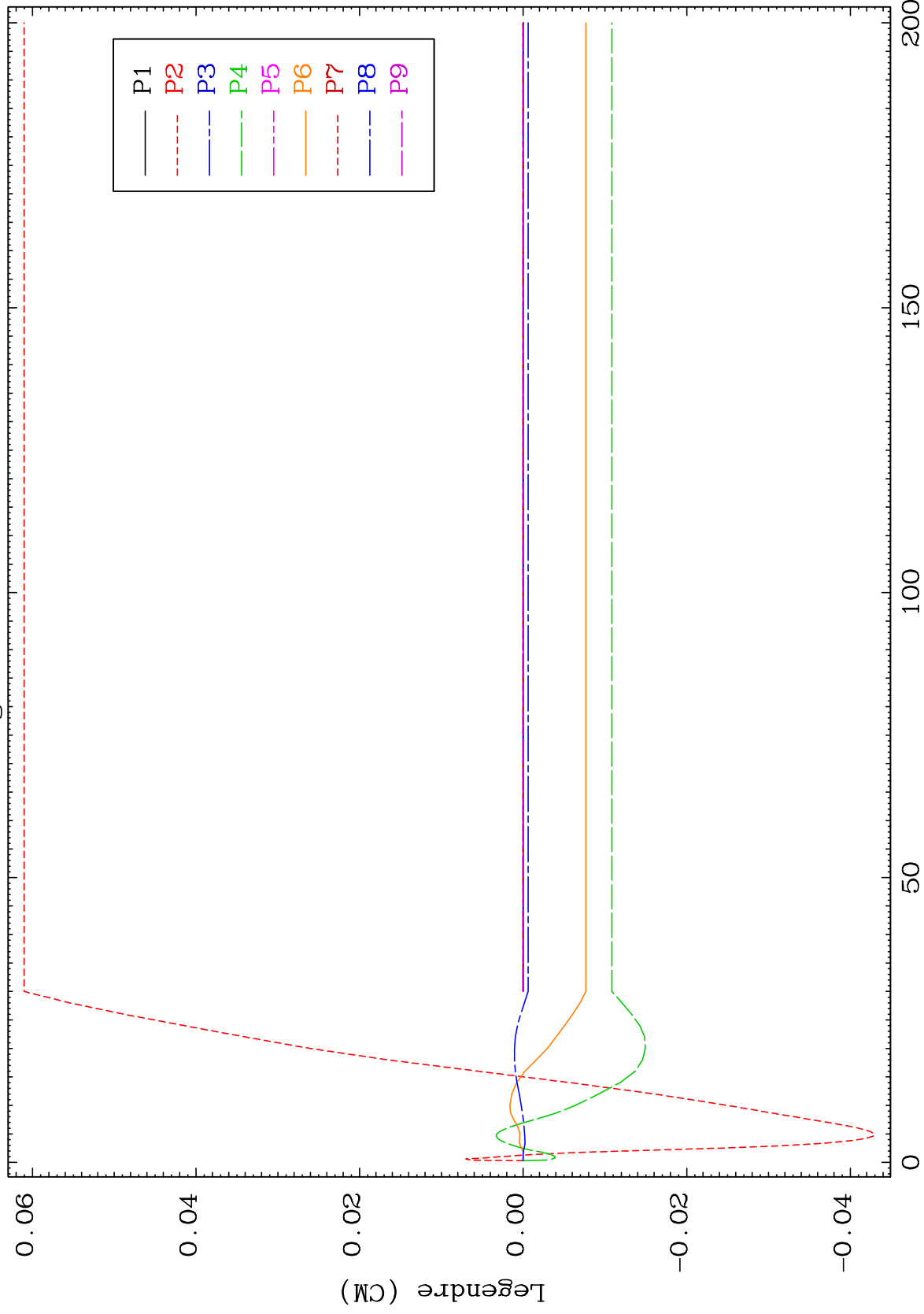
Incident Energy (MeV)

57-La-138

MAT 5725

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

57-La-138



57-La-138

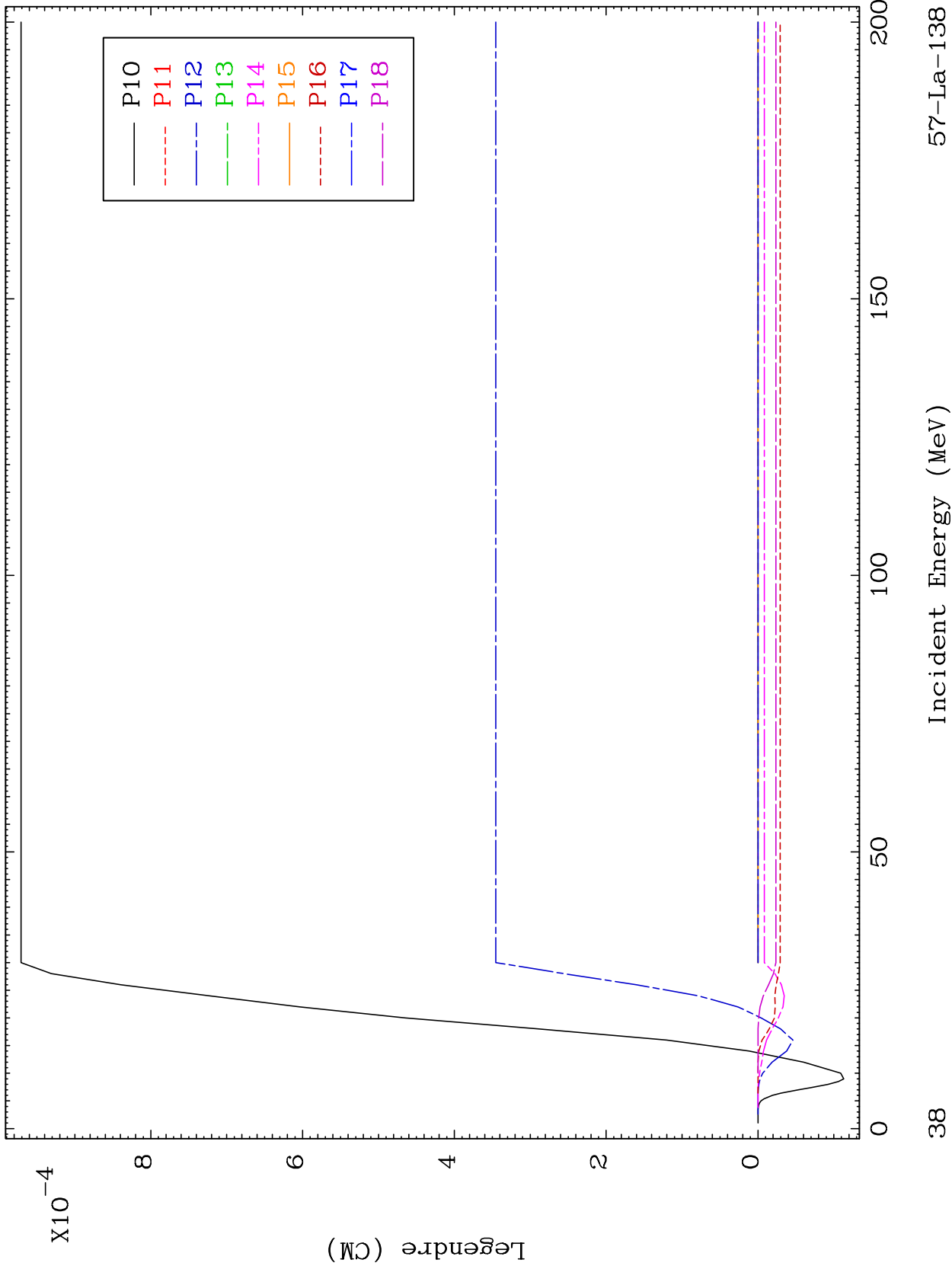
Incident Energy (MeV)

37

MAT 5725

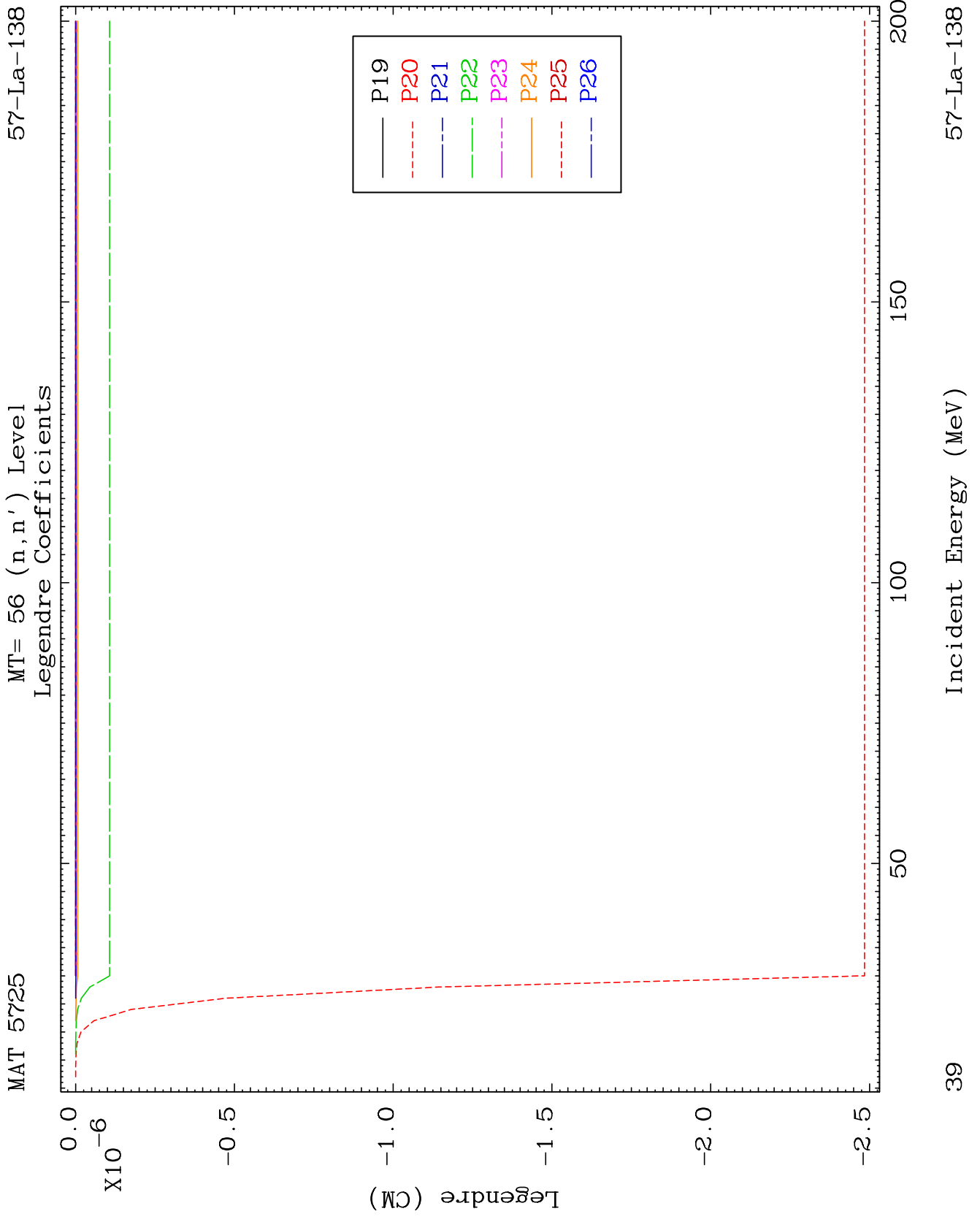
MT= 56 (n,n') Level
Legendre Coefficients

57-La-138



38

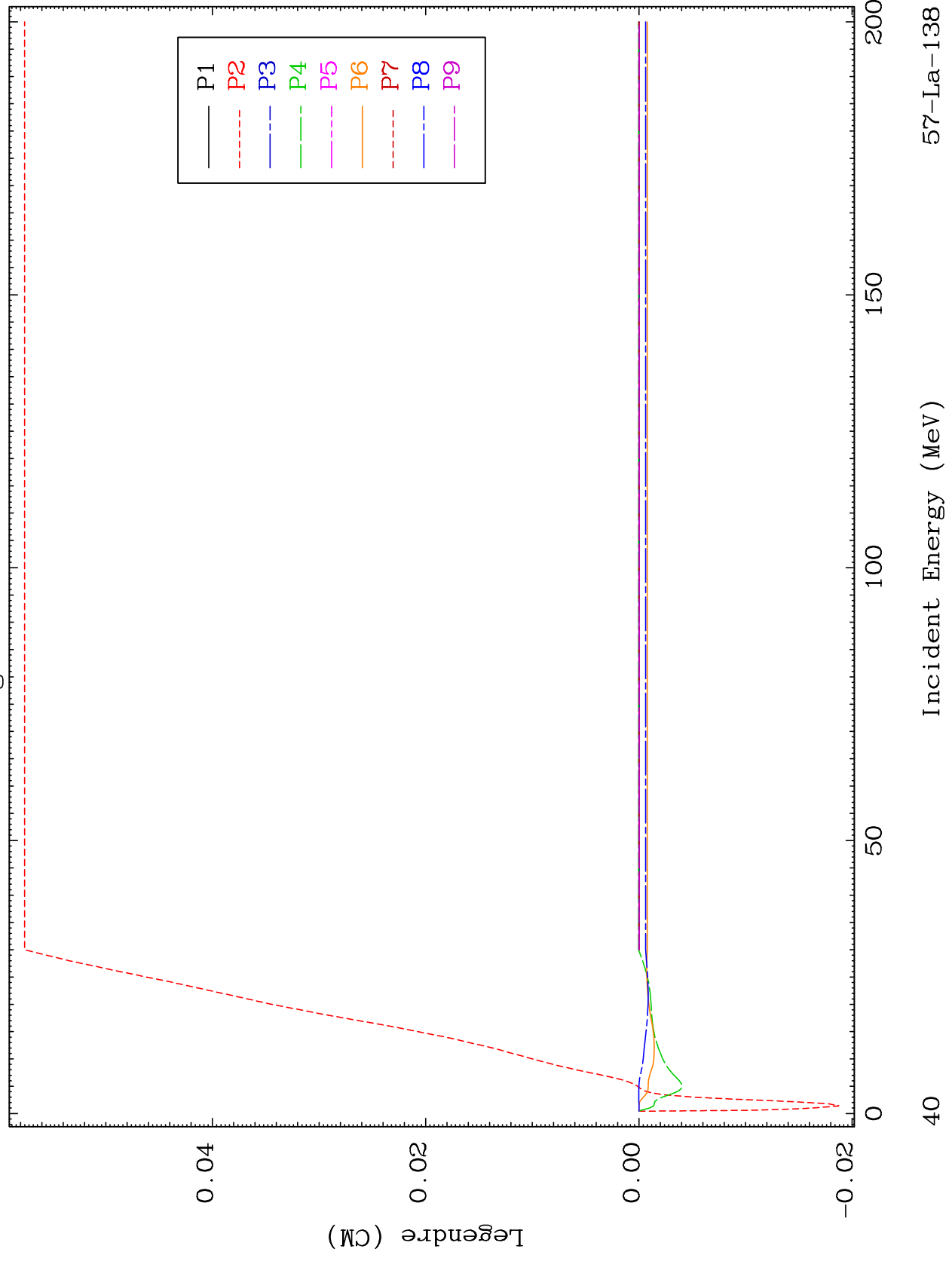
57-La-138



MAT 5725

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

57-La-138



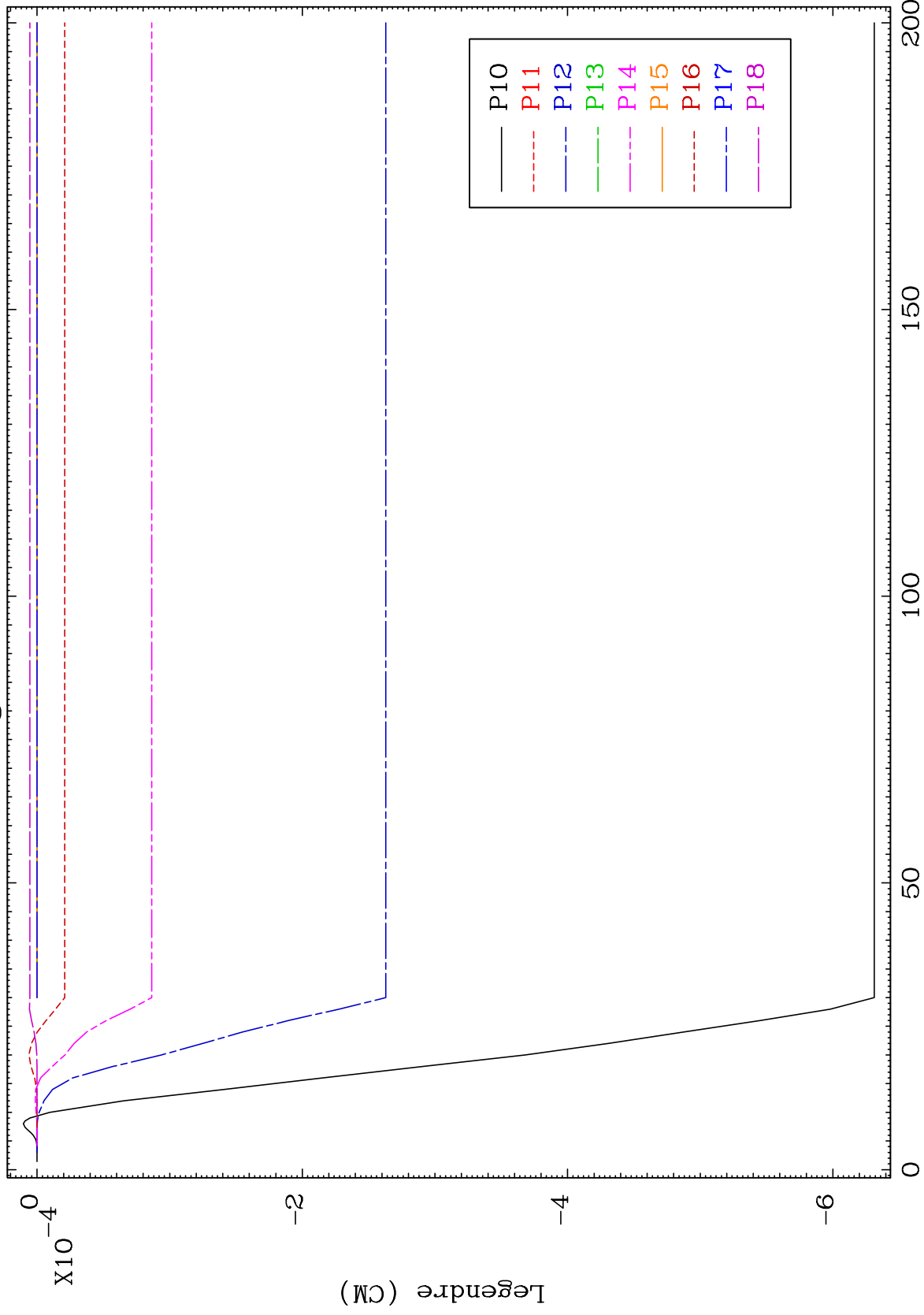
57-La-138

Incident Energy (MeV)

MAT 5725

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

57-La-138



41

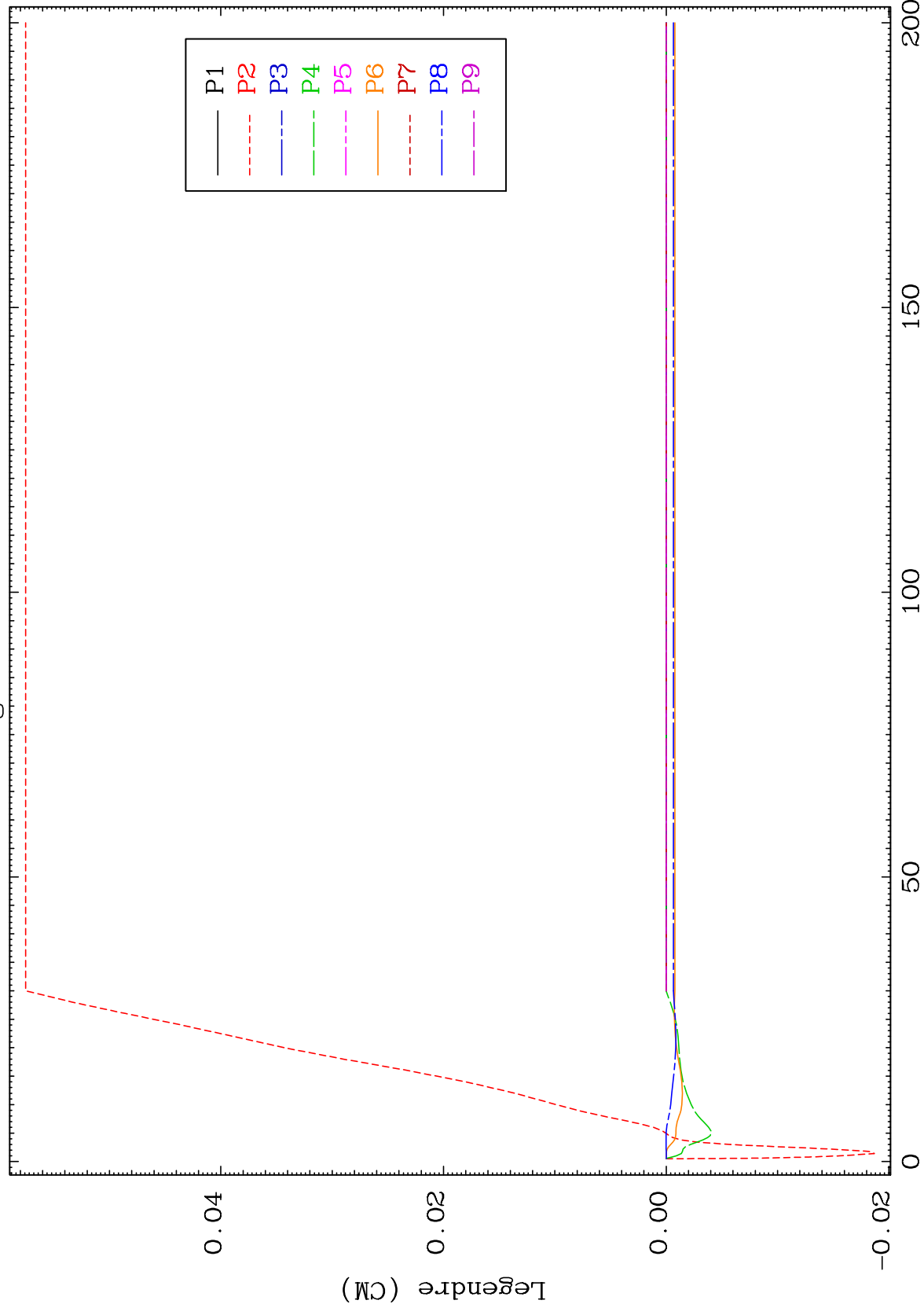
Incident Energy (MeV)

57-La-138

MAT 5725

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

57-La-138



57-La-138

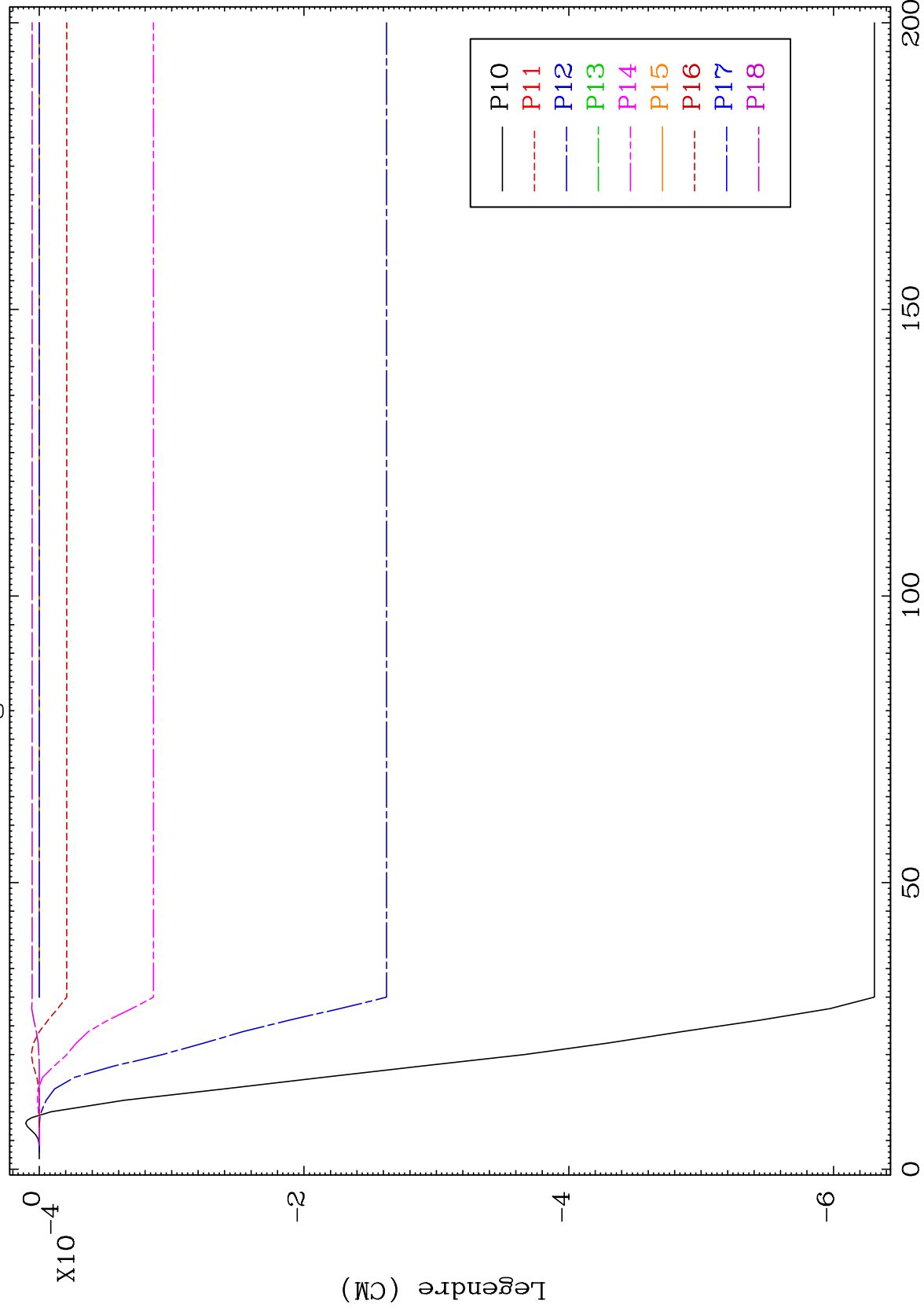
Incident Energy (MeV)

43

MAT 5725

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

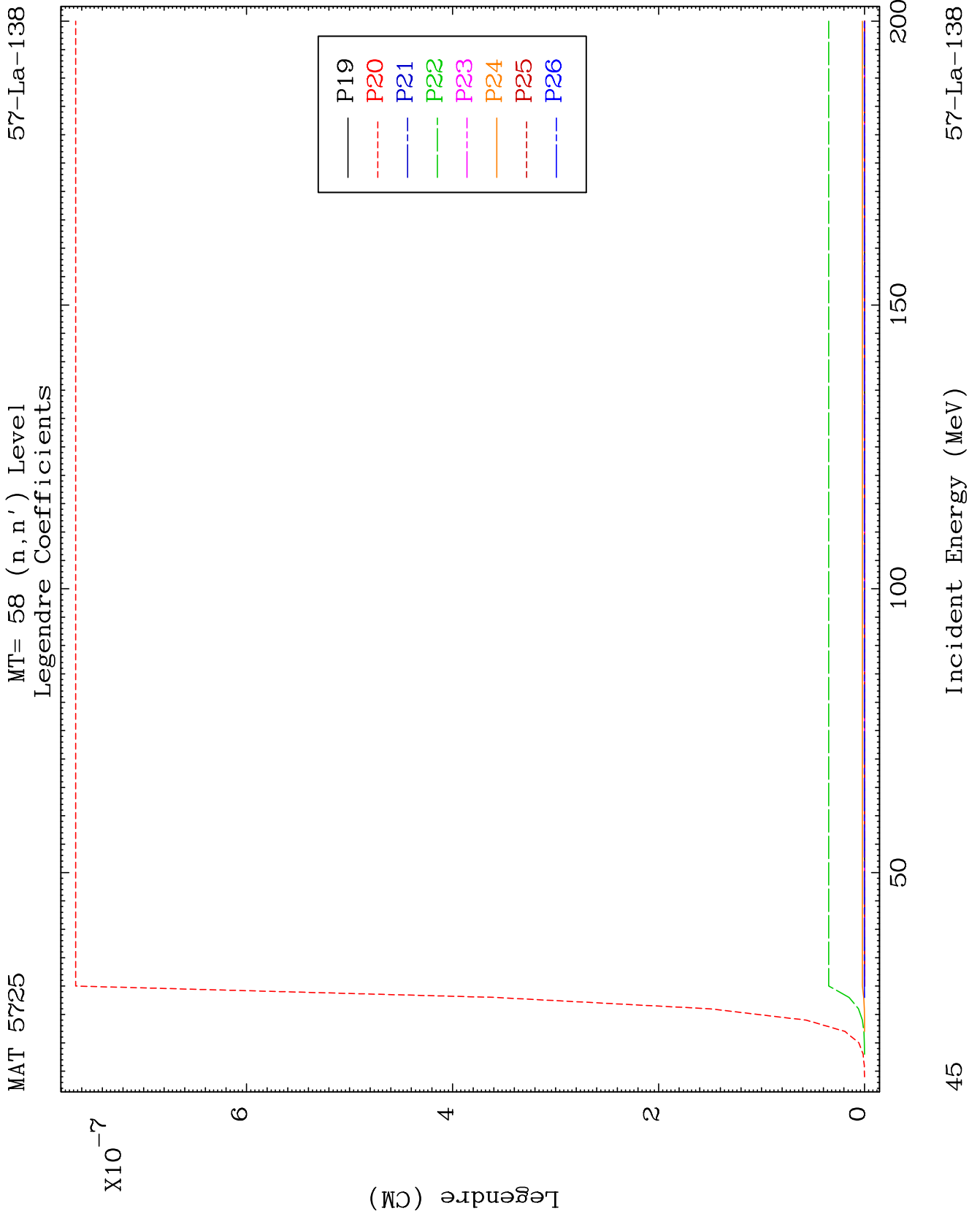
57-La-138



44

Incident Energy (MeV)

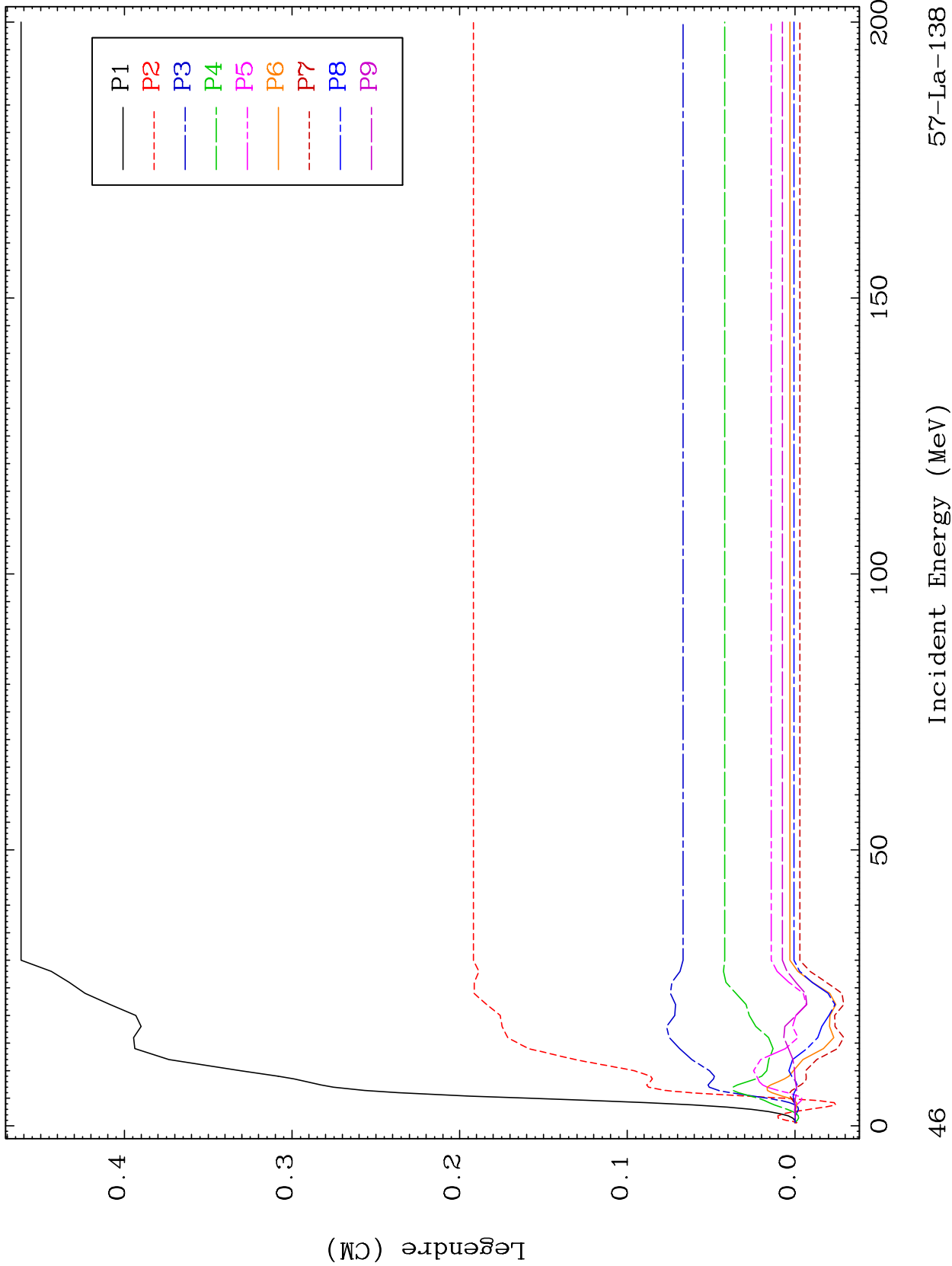
57-La-138



MAT 5725

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

57-La-138



57-La-138

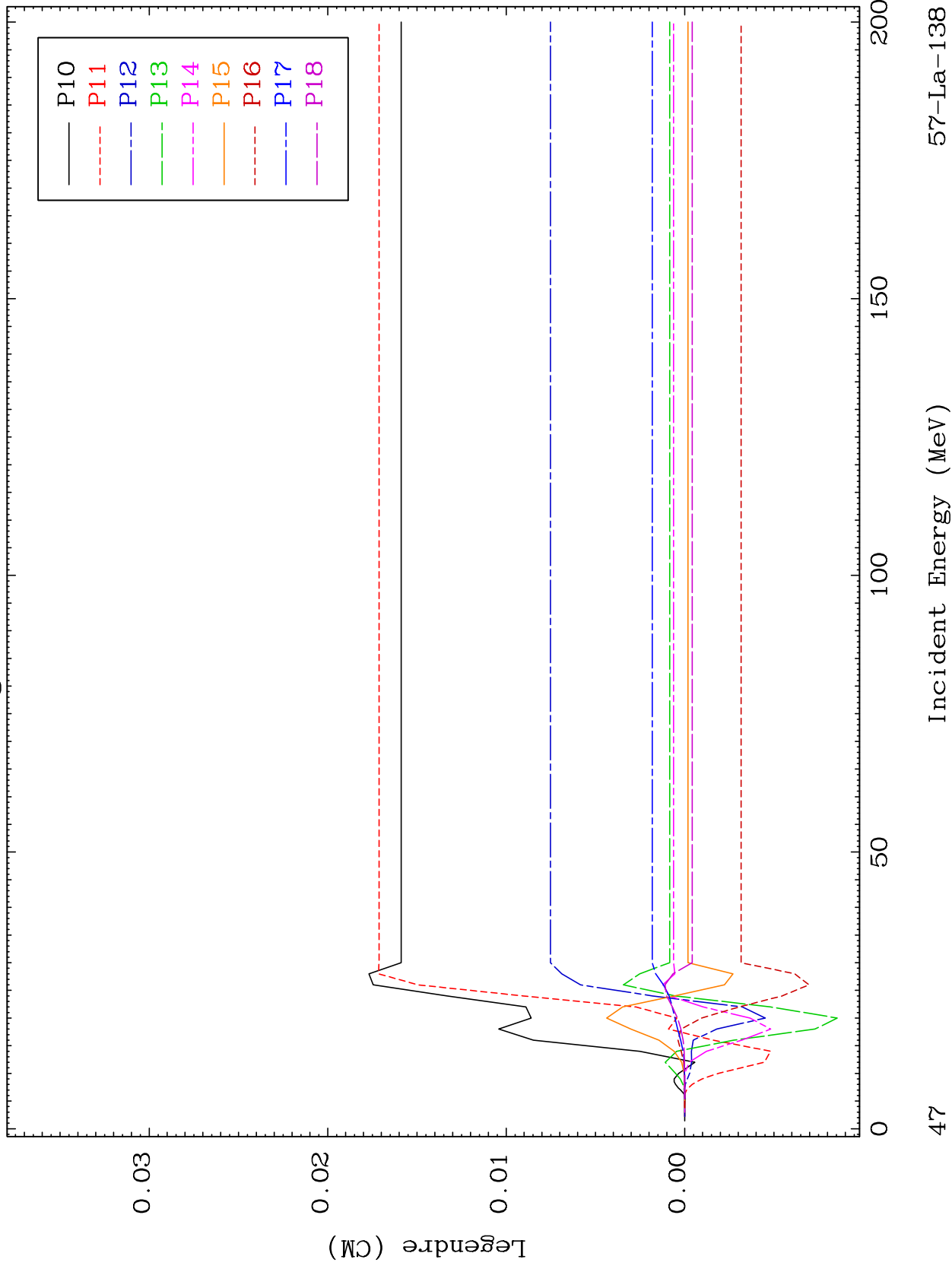
Incident Energy (MeV)

46

MAT 5725

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

57-La-138



47

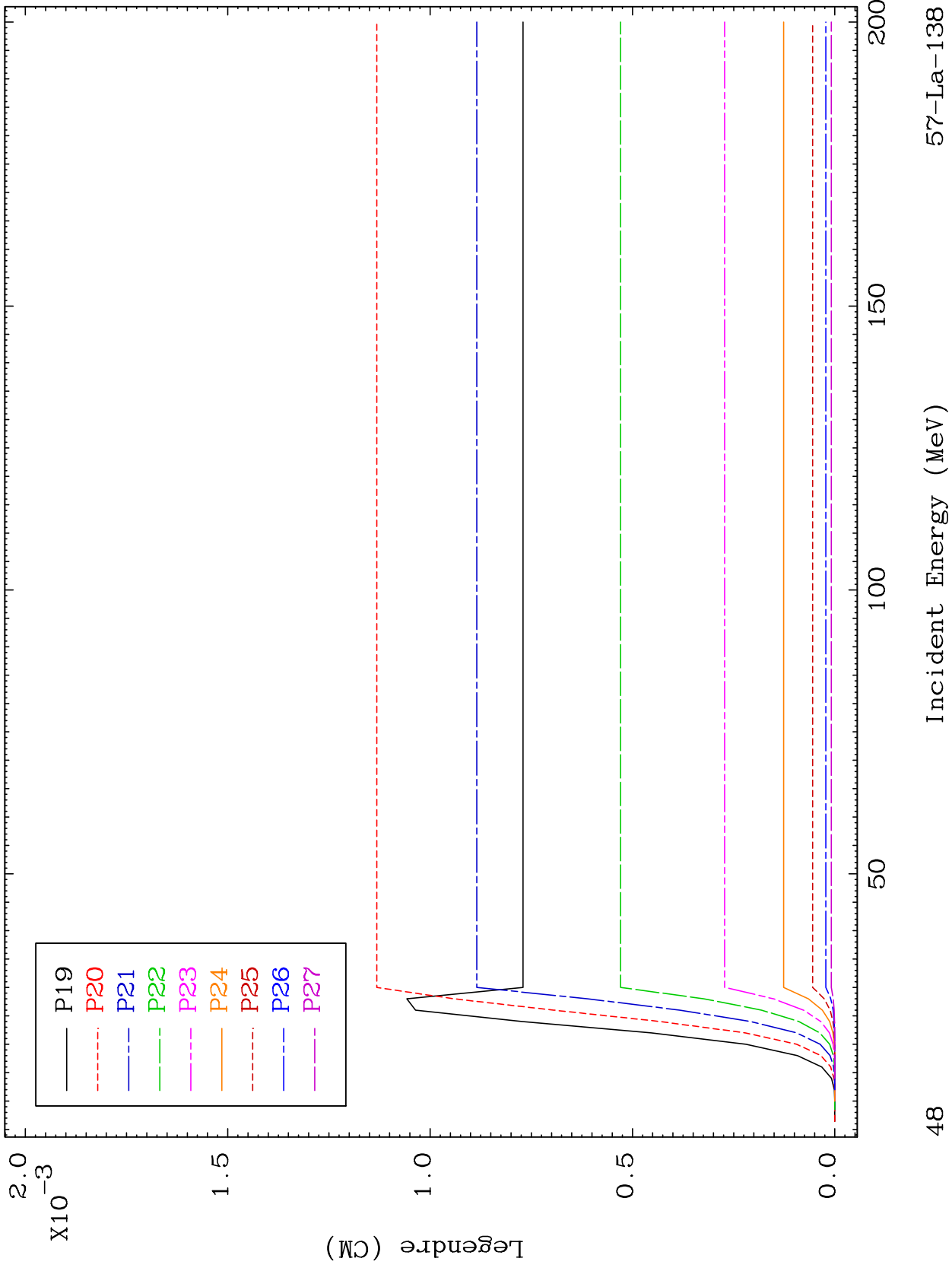
Incident Energy (MeV)

57-La-138

MAT 5725

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

57-La-138



48

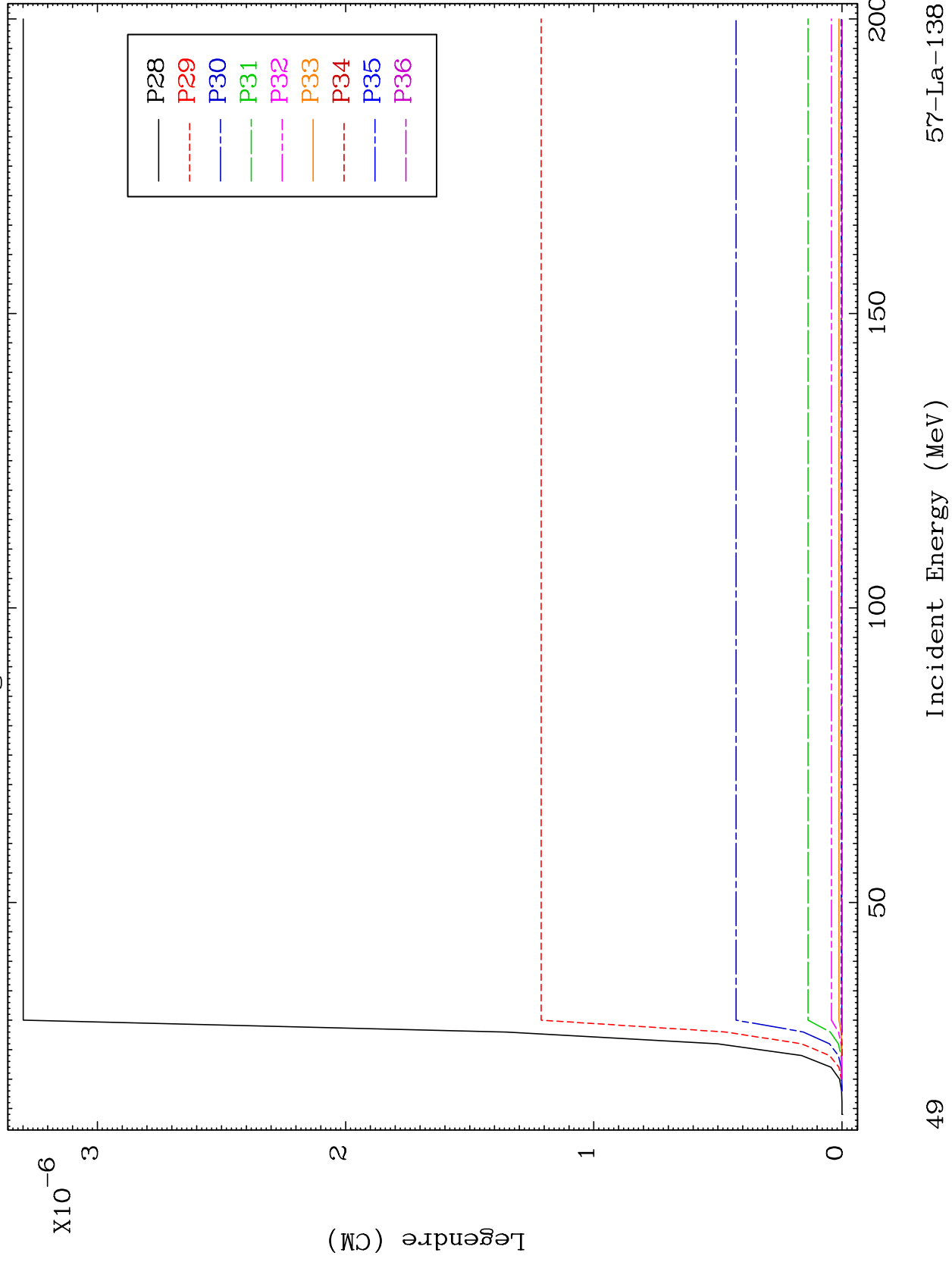
Incident Energy (MeV)

57-La-138

MAT 5725

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

57-La-138



49

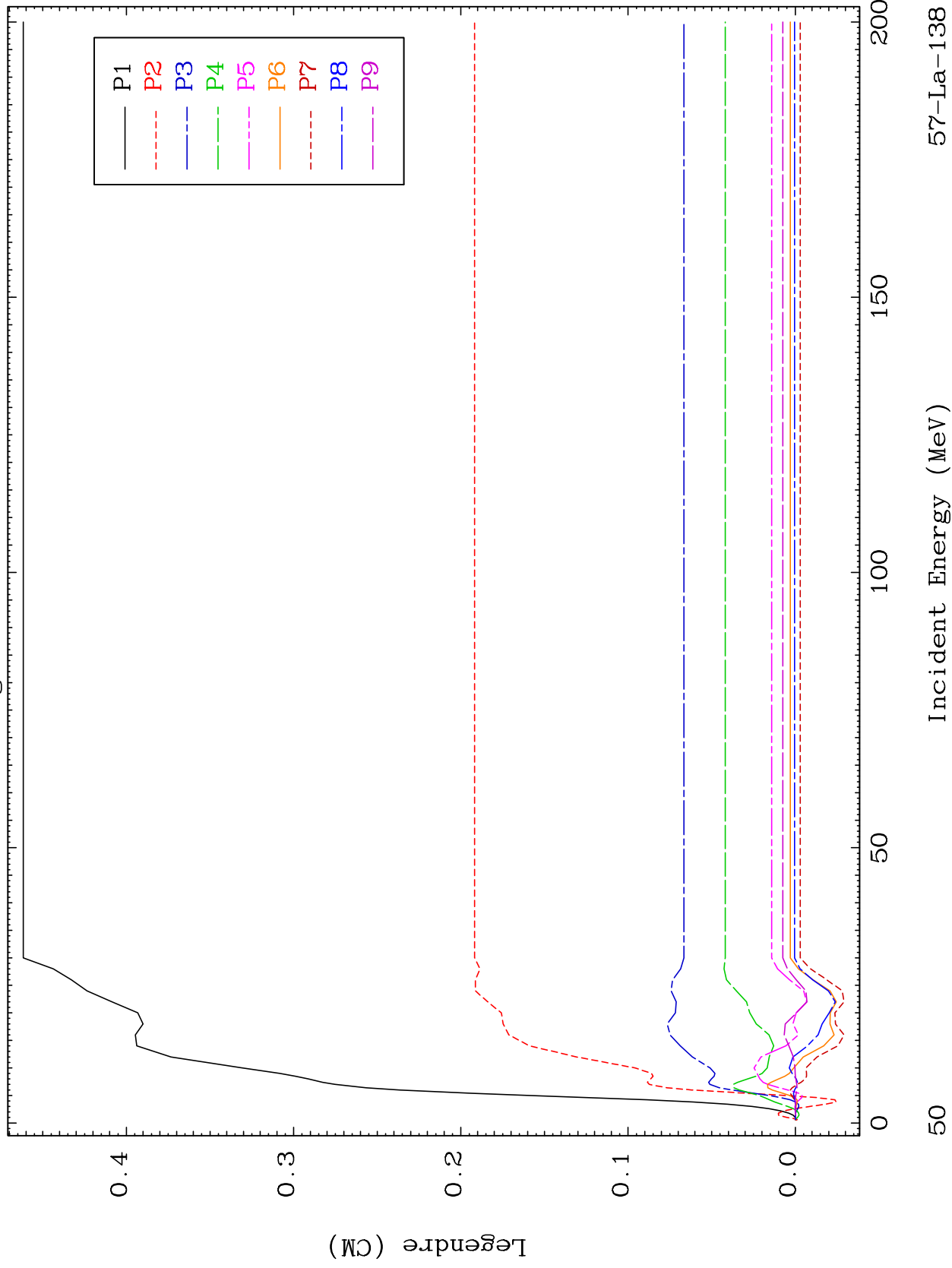
Incident Energy (MeV)

57-La-138

MAT 5725

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

57-La-138



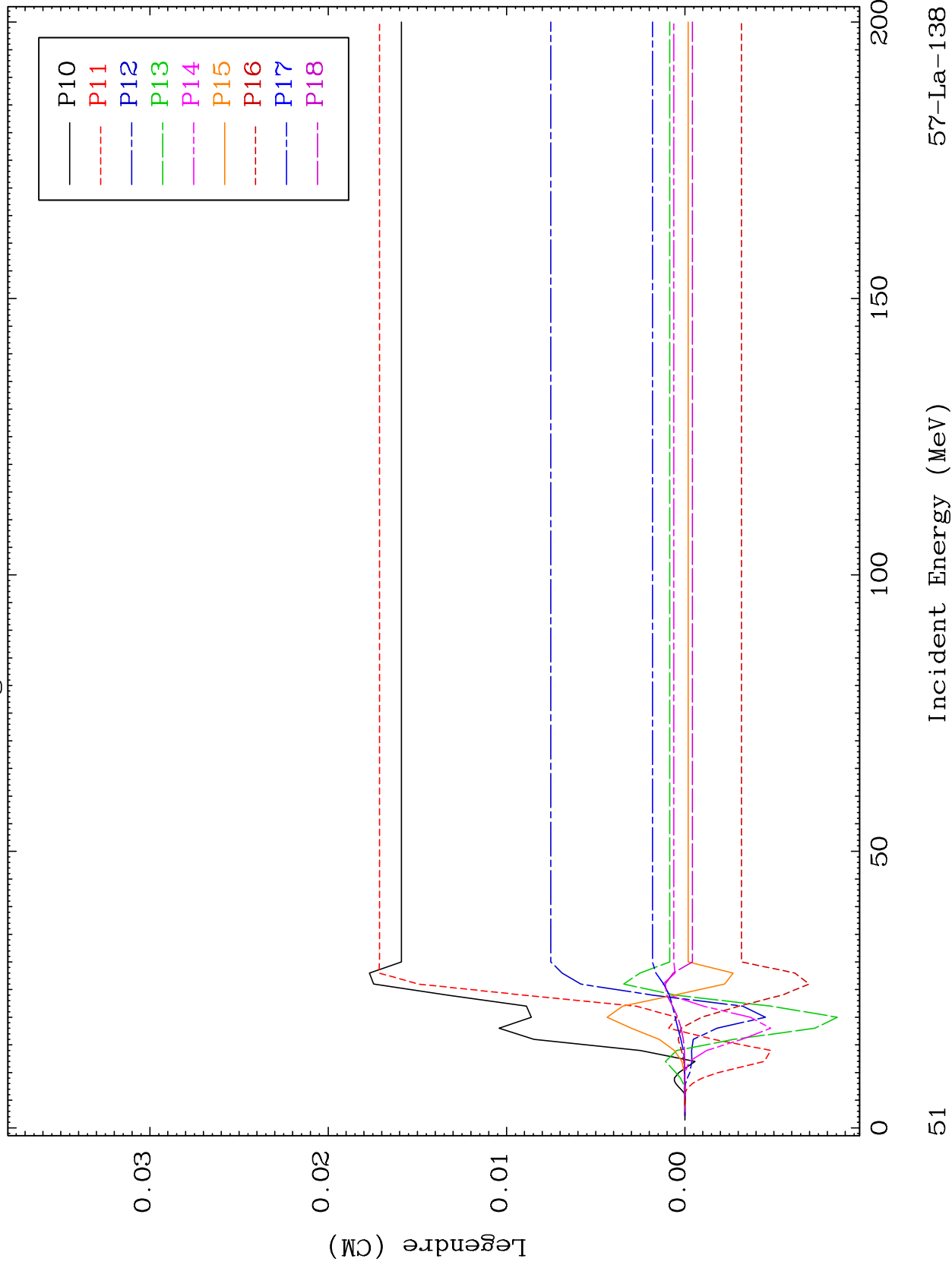
57-La-138

Incident Energy (MeV)

MAT 5725

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

57-La-138



57-La-138

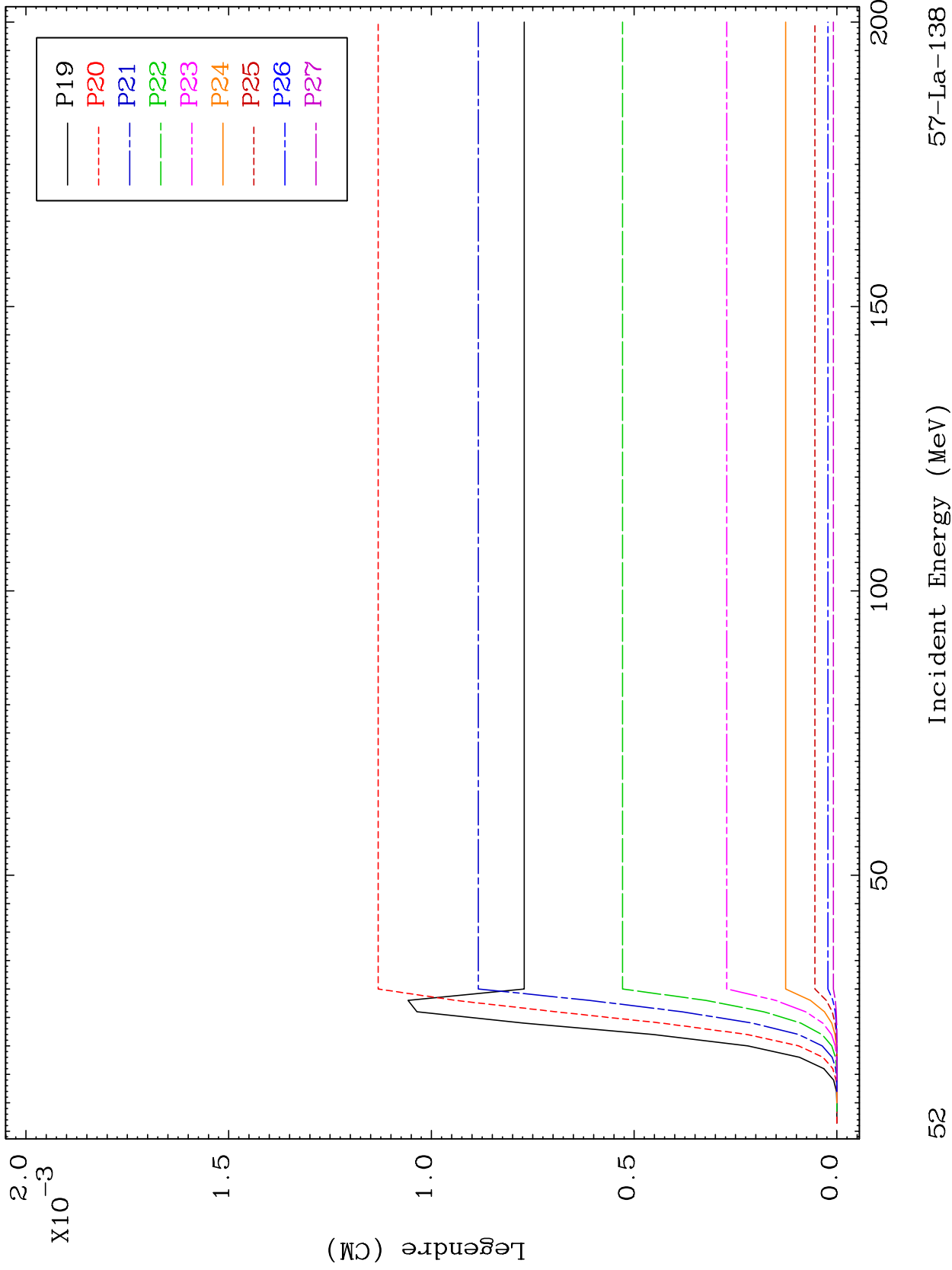
Incident Energy (MeV)

51

MAT 5725

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

57-La-138



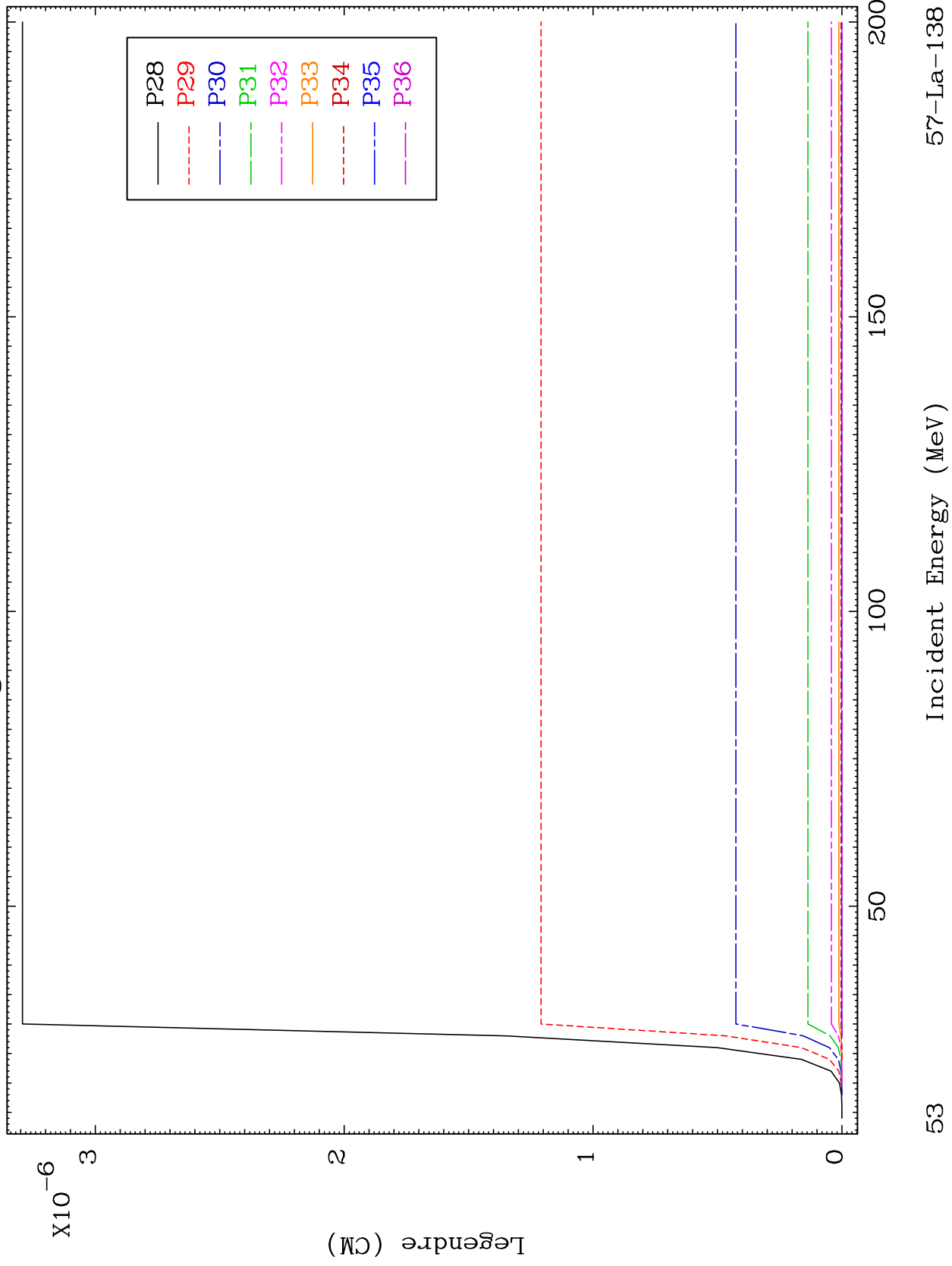
52

57-La-138

MAT 5725

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

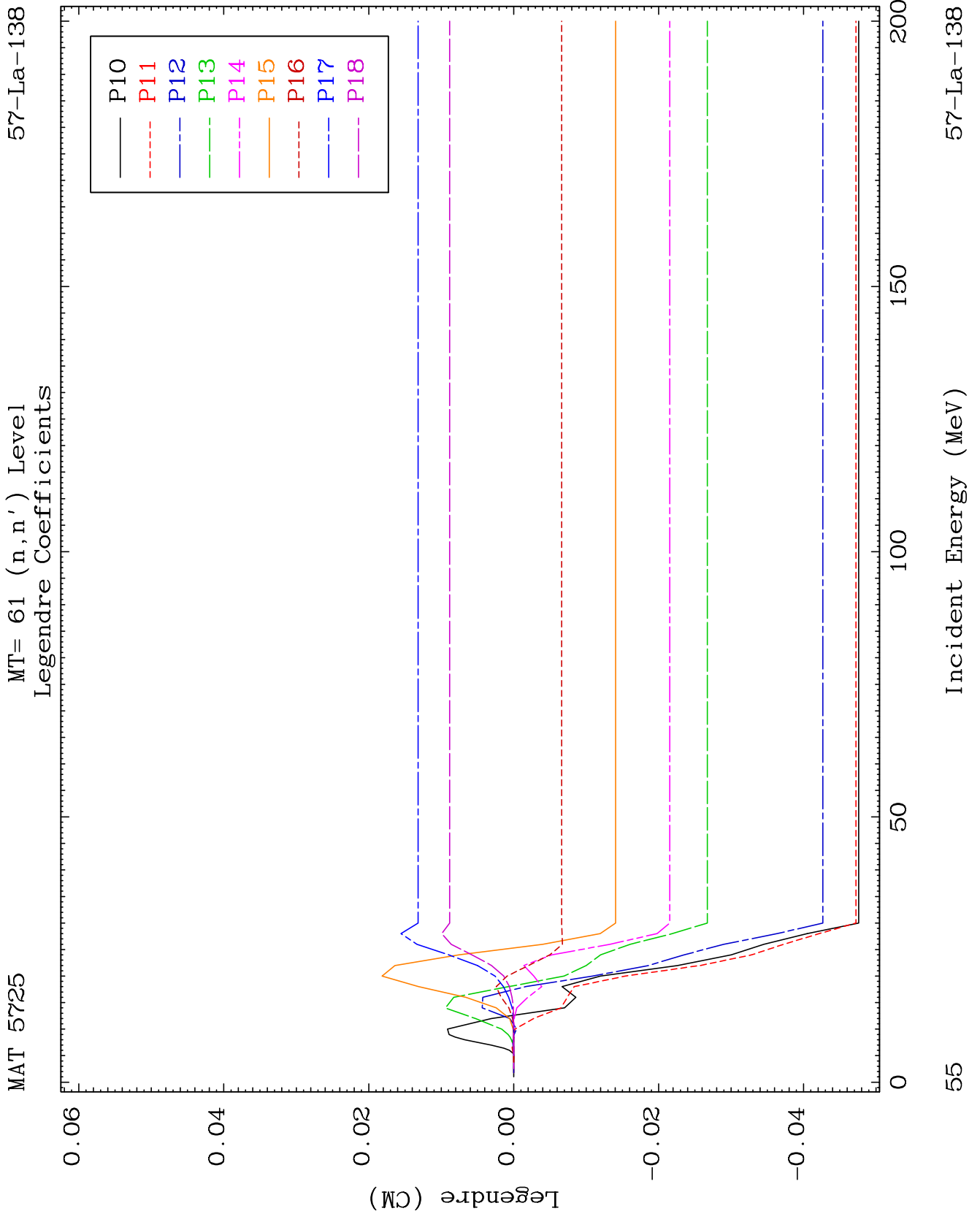
57-La-138



53

Incident Energy (MeV)

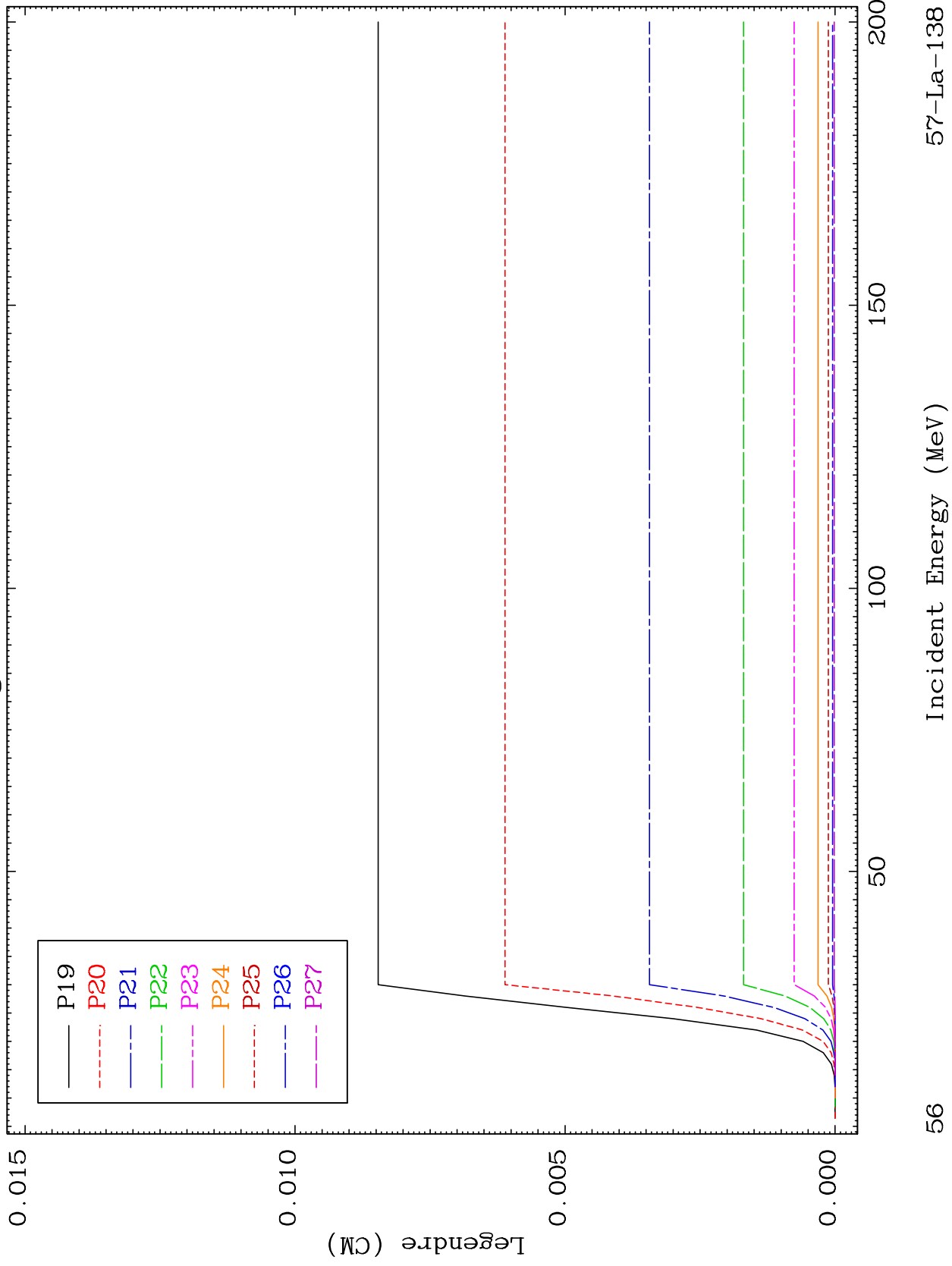
57-La-138



MAT 5725

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

57-La-138



56

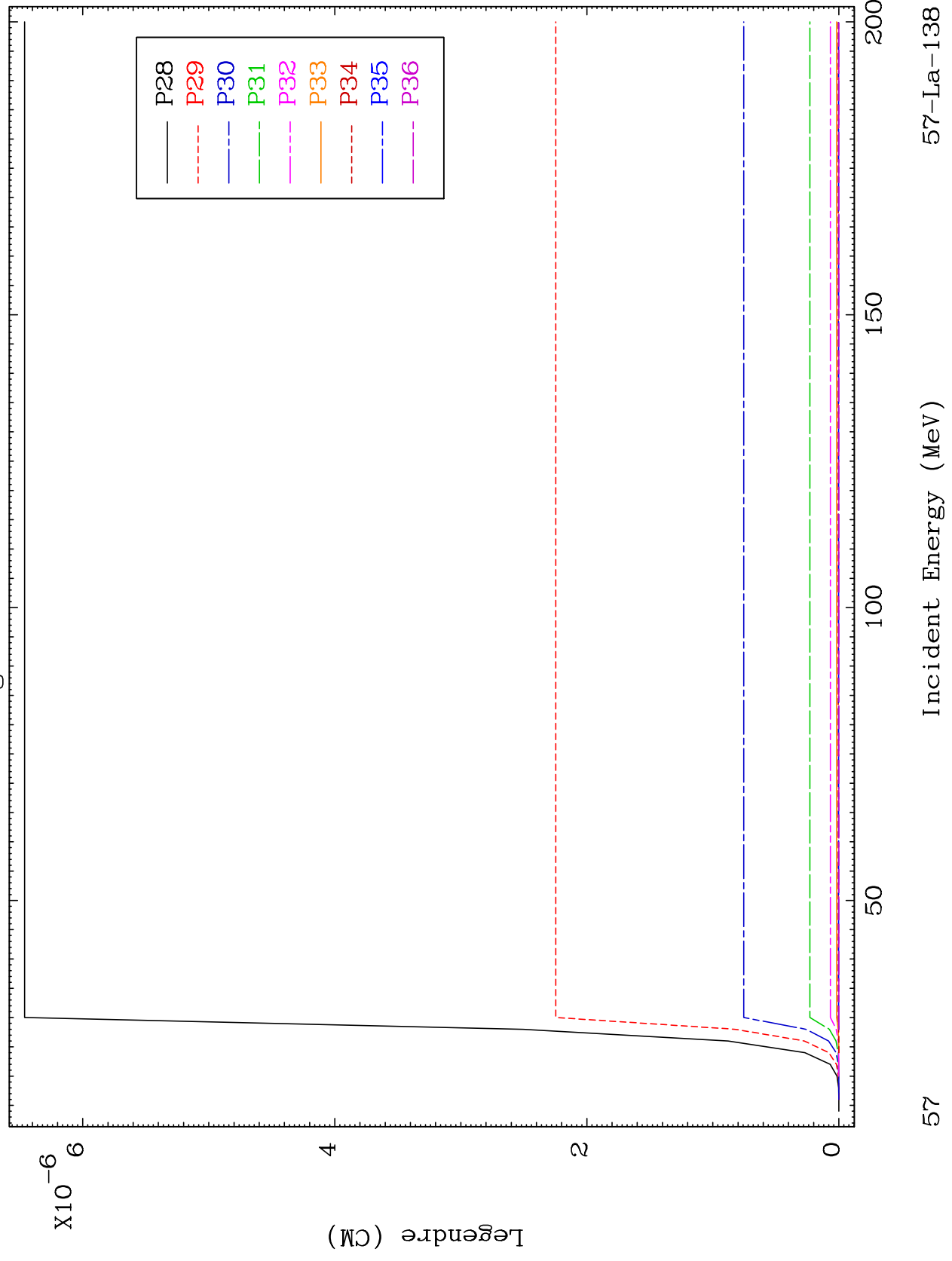
Incident Energy (MeV)

57-La-138

MAT 5725

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

57-La-138



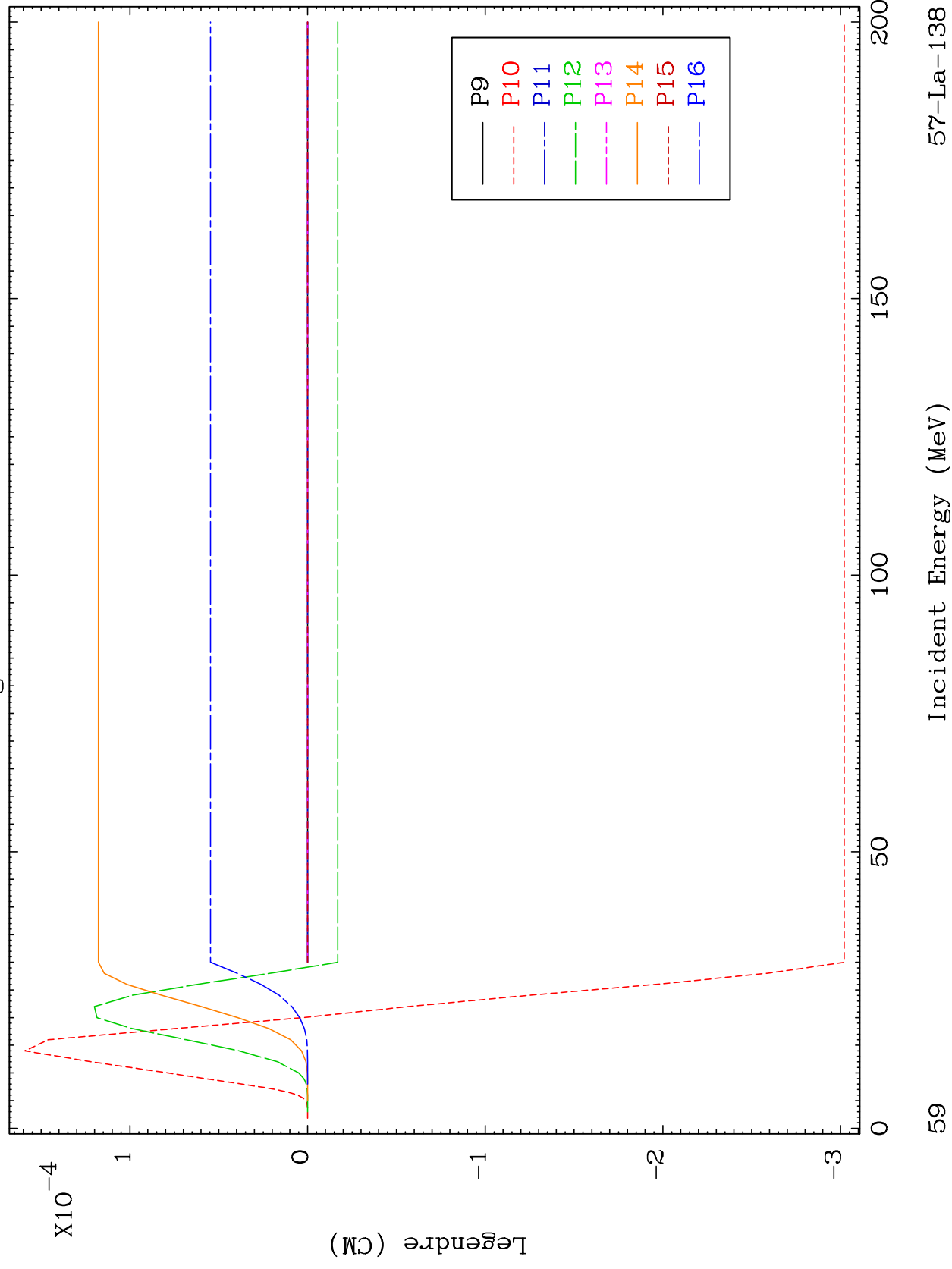
57

57-La-138

MAT 5725

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

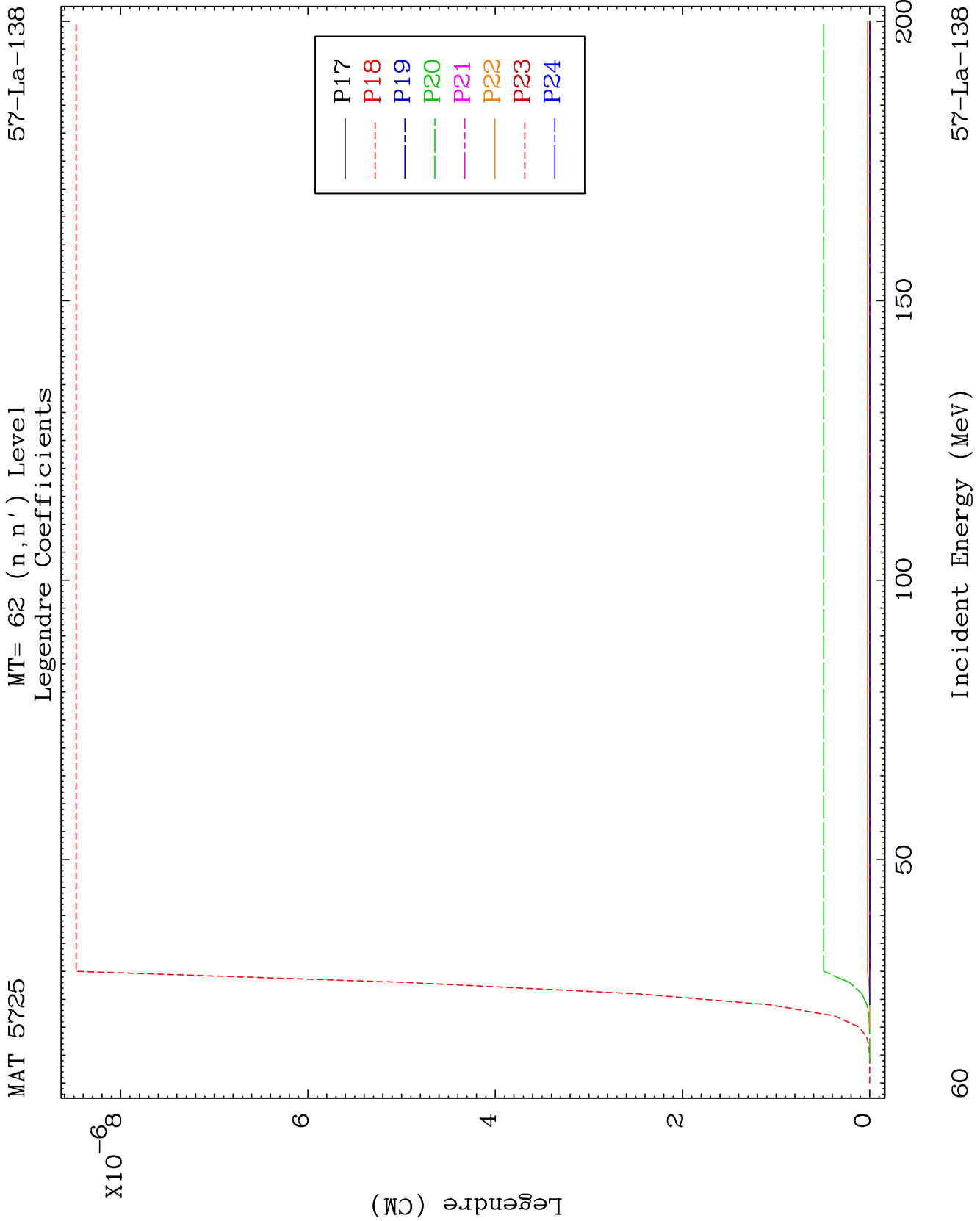
57-La-138



57-La-138

Incident Energy (MeV)

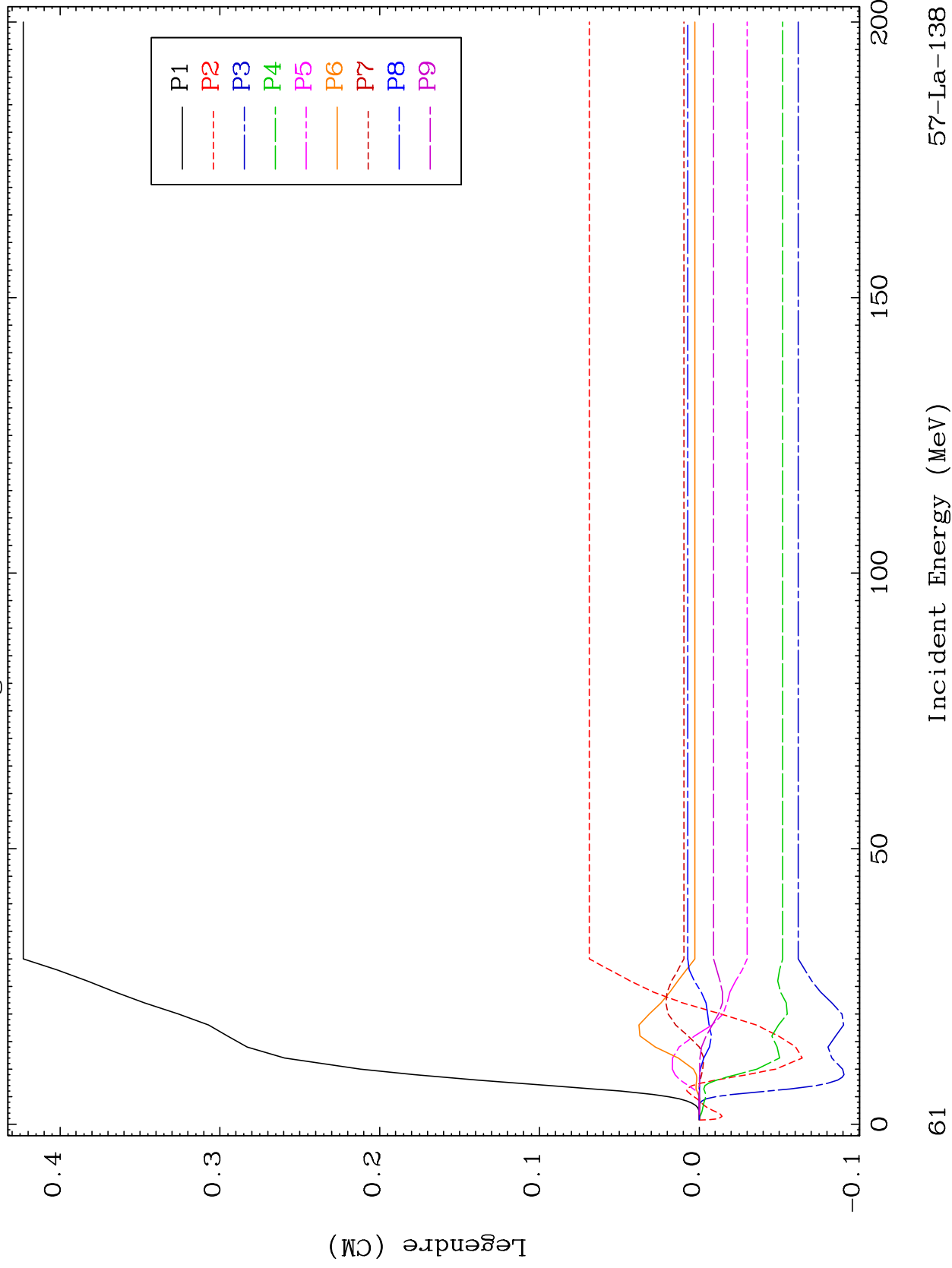
59



MAT 5725

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

57-La-138



57-La-138

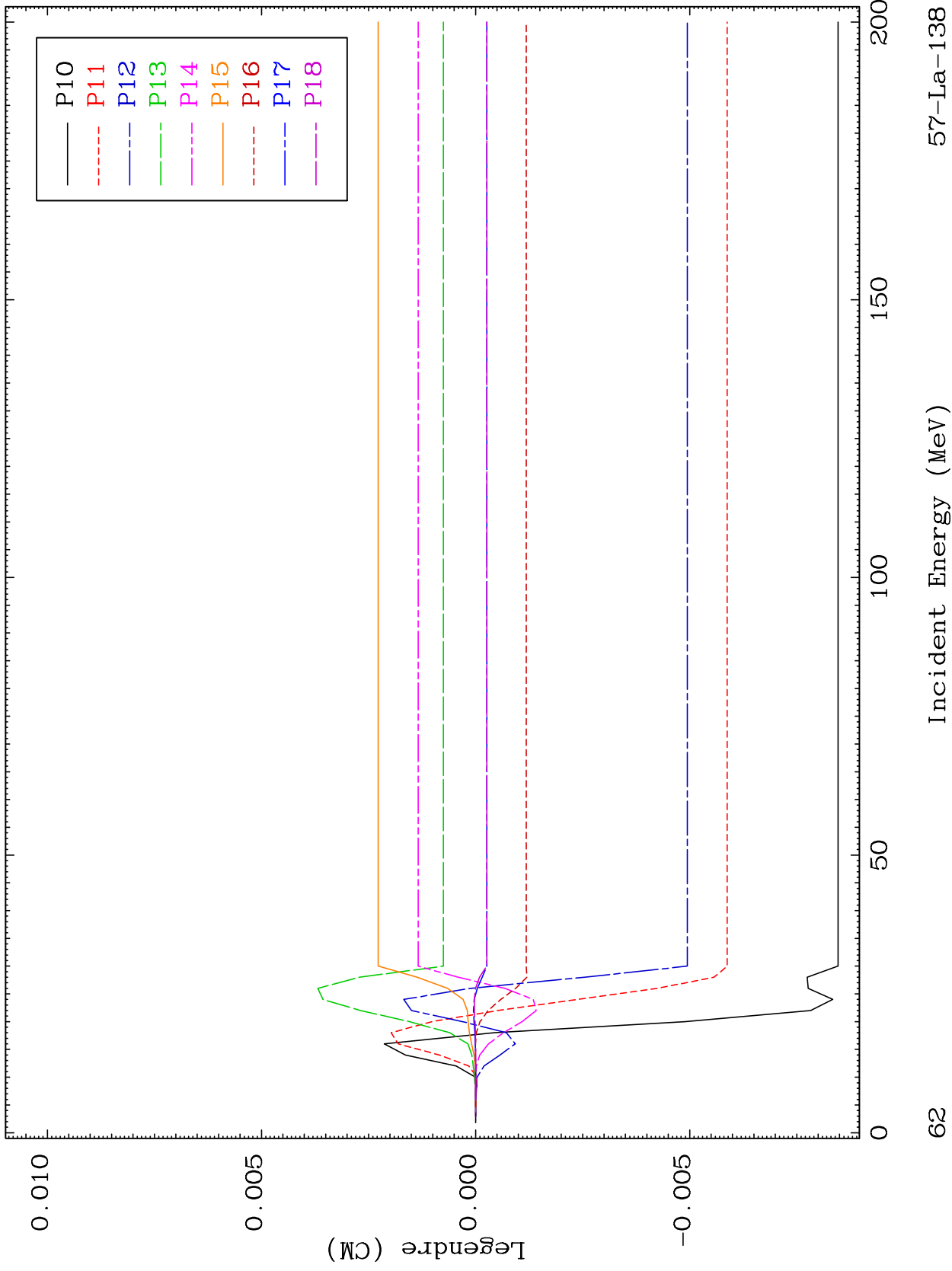
Incident Energy (MeV)

61

MAT 5725

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

57-La-138



57-La-138

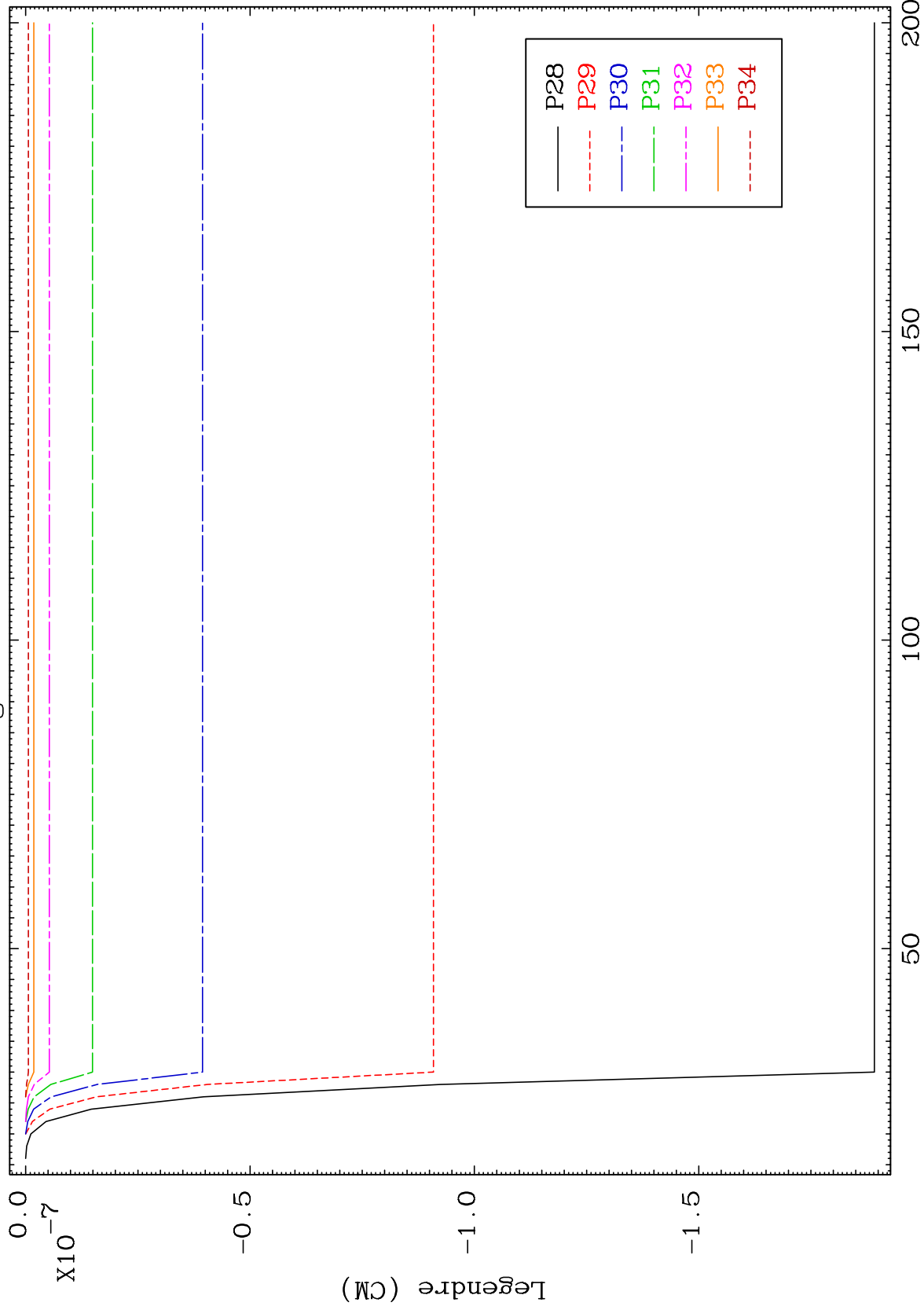
Incident Energy (MeV)

62

MAT 5725

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

57-La-138



64

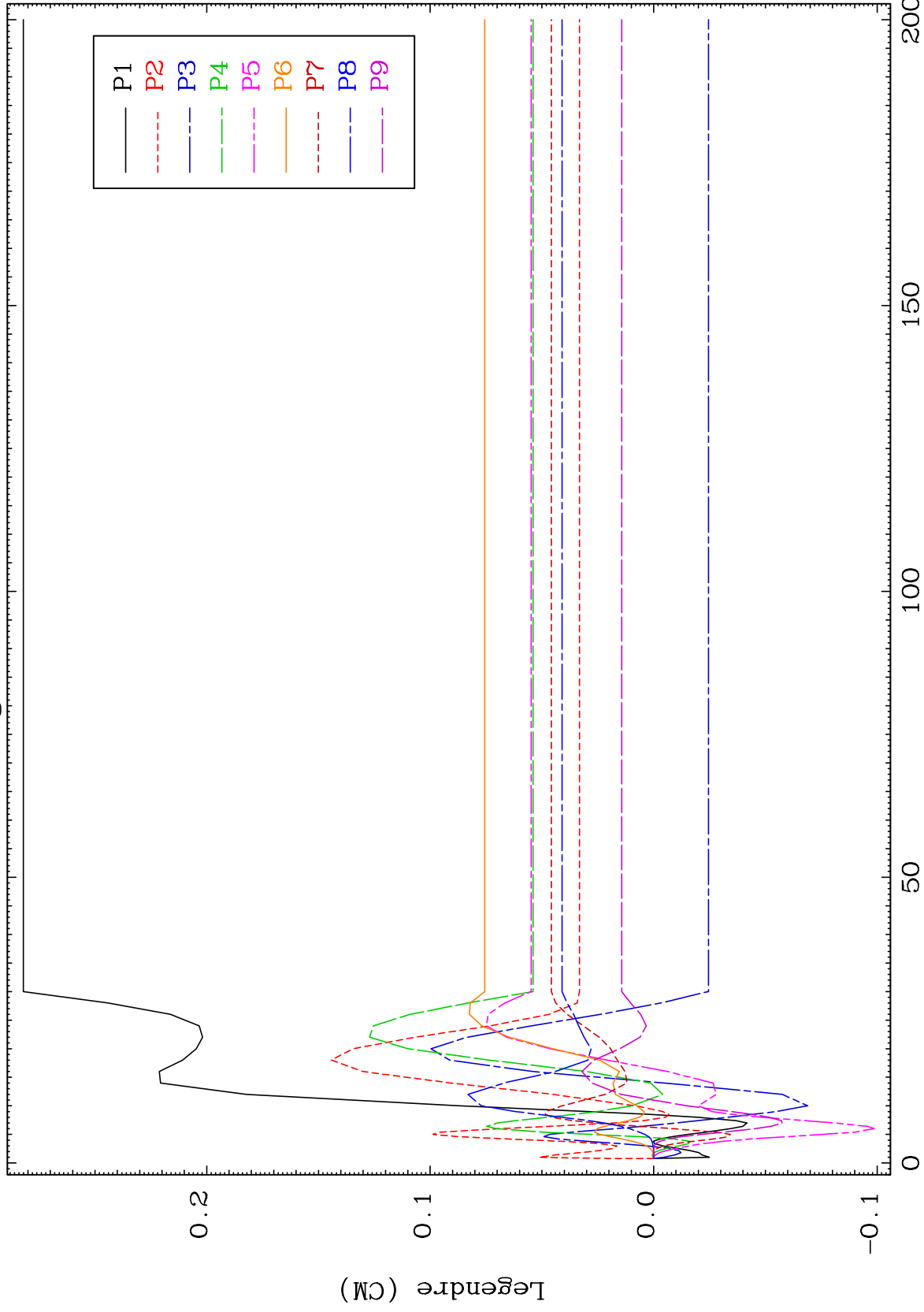
Incident Energy (MeV)

57-La-138

MAT 5725

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

57-La-138



57-La-138

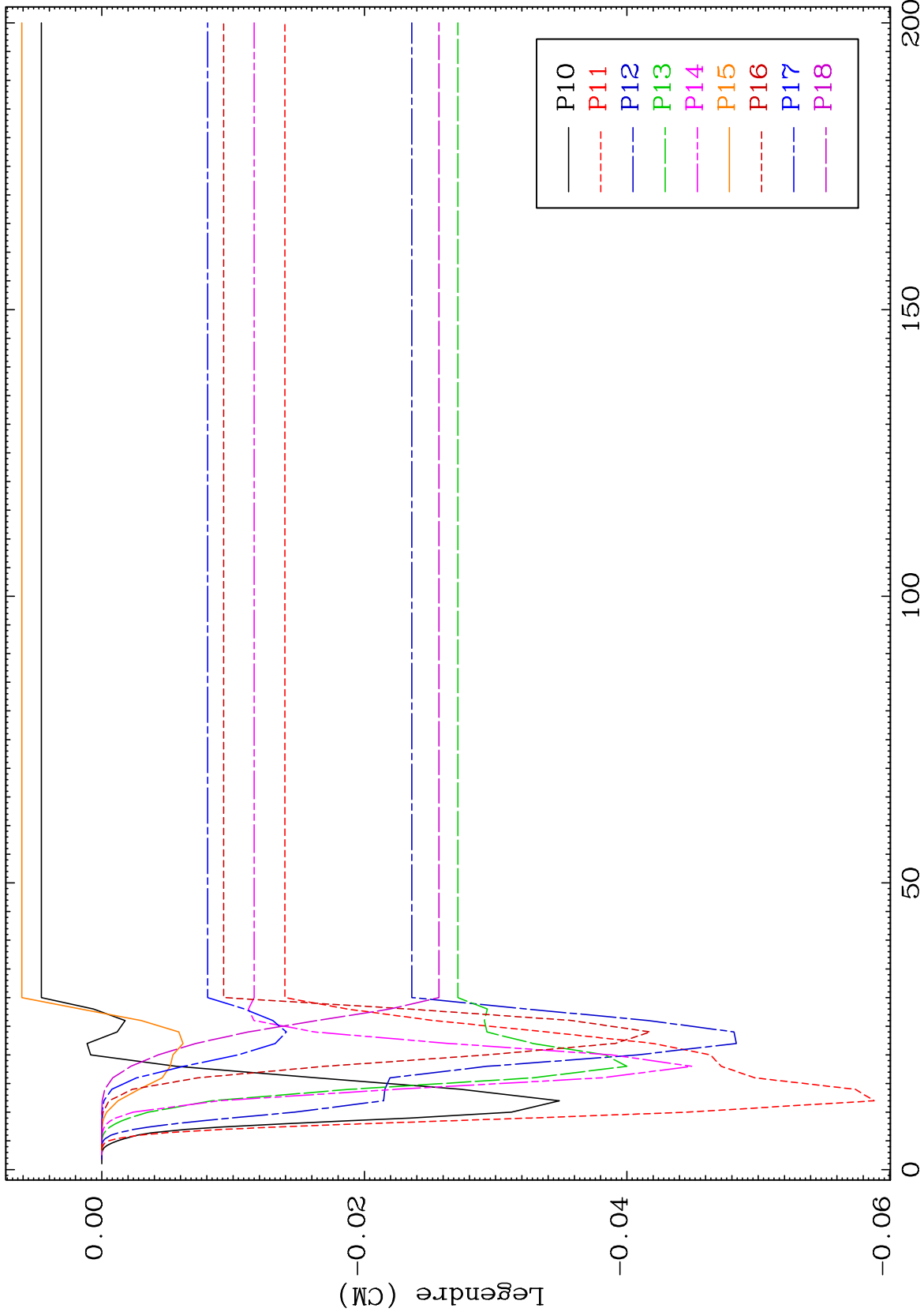
Incident Energy (MeV)

65

MAT 5725

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

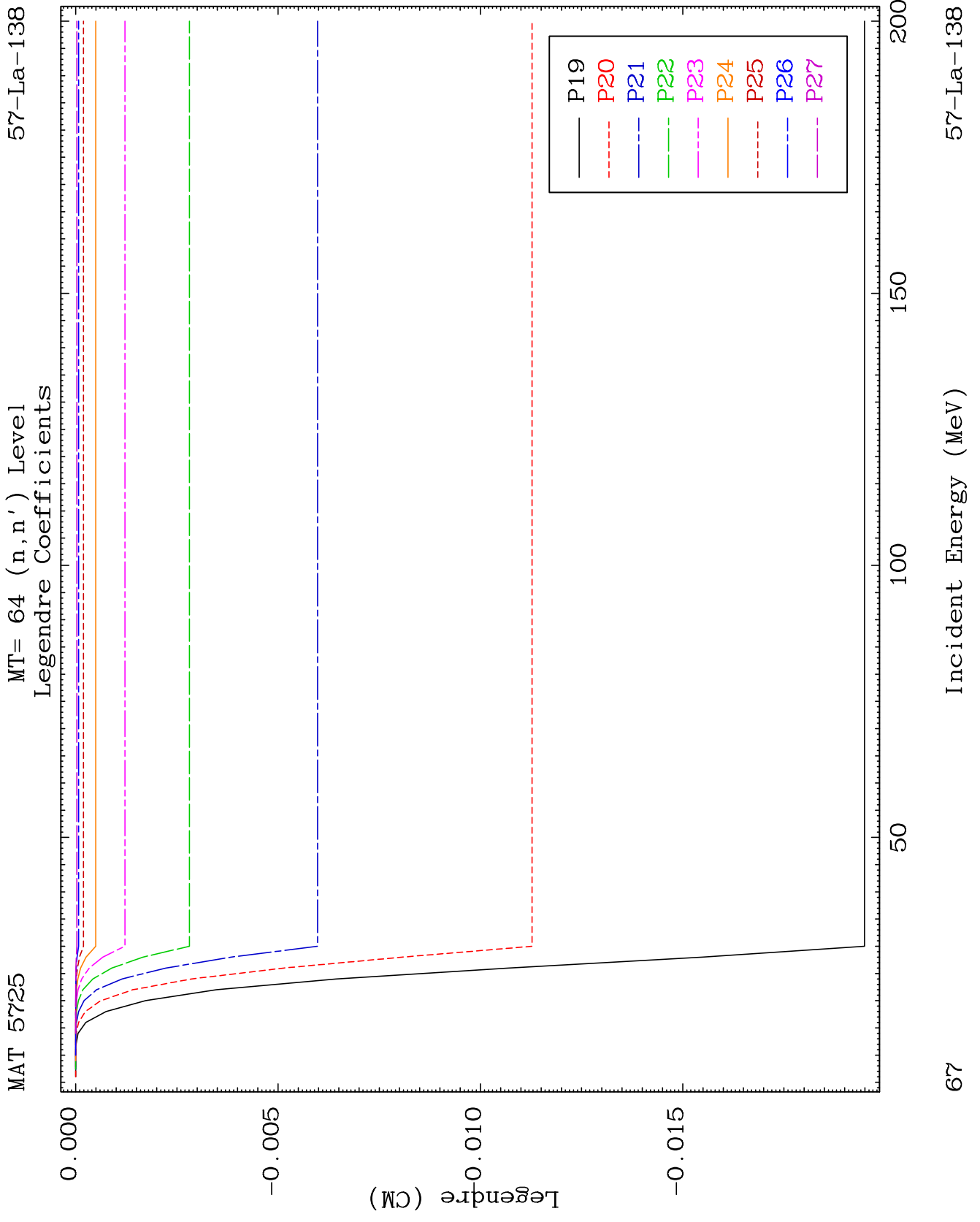
57-La-138

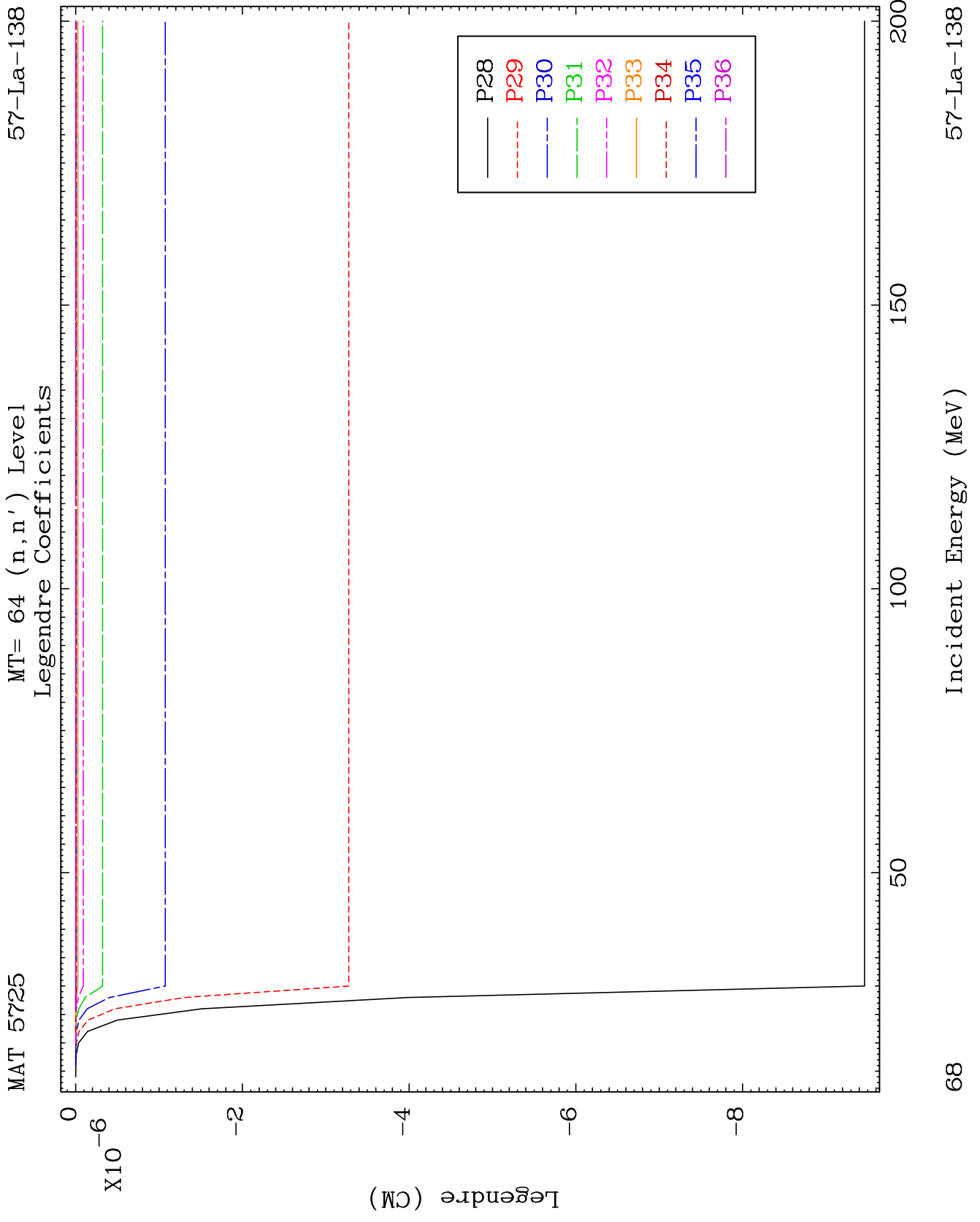


66

Incident Energy (MeV)

57-La-138

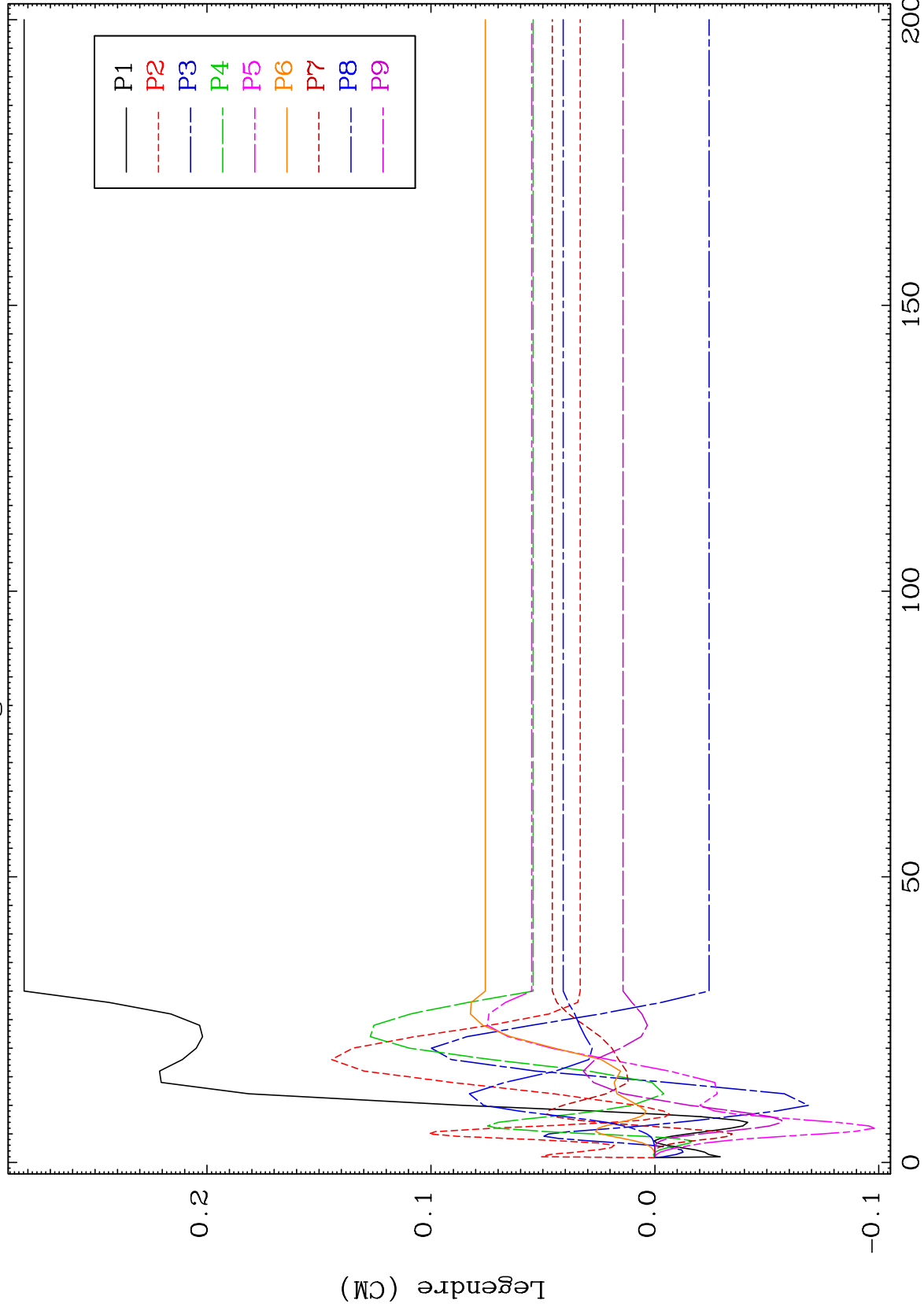




MAT 5725

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

57-La-138



57-La-138

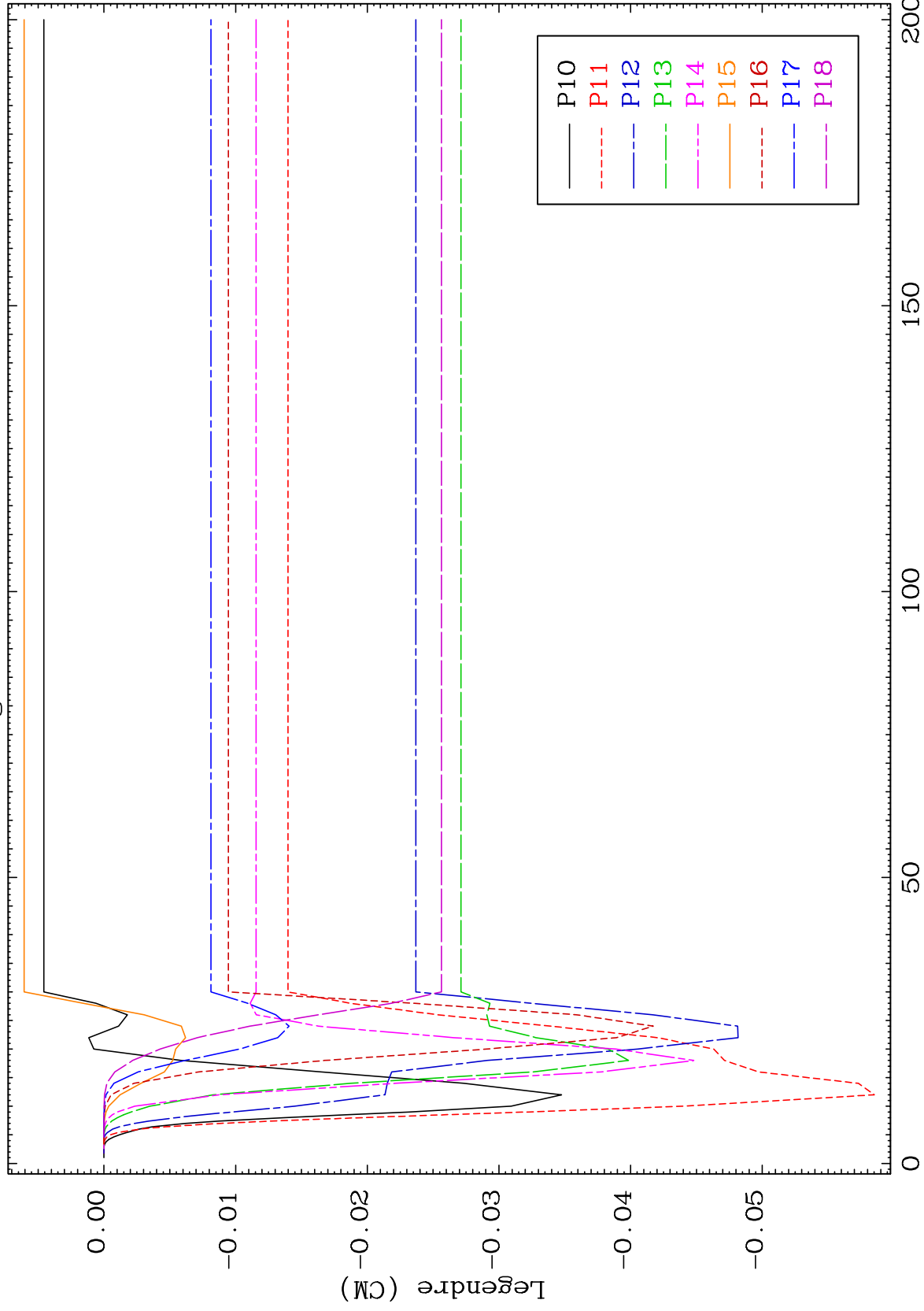
Incident Energy (MeV)

69

MAT 5725

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

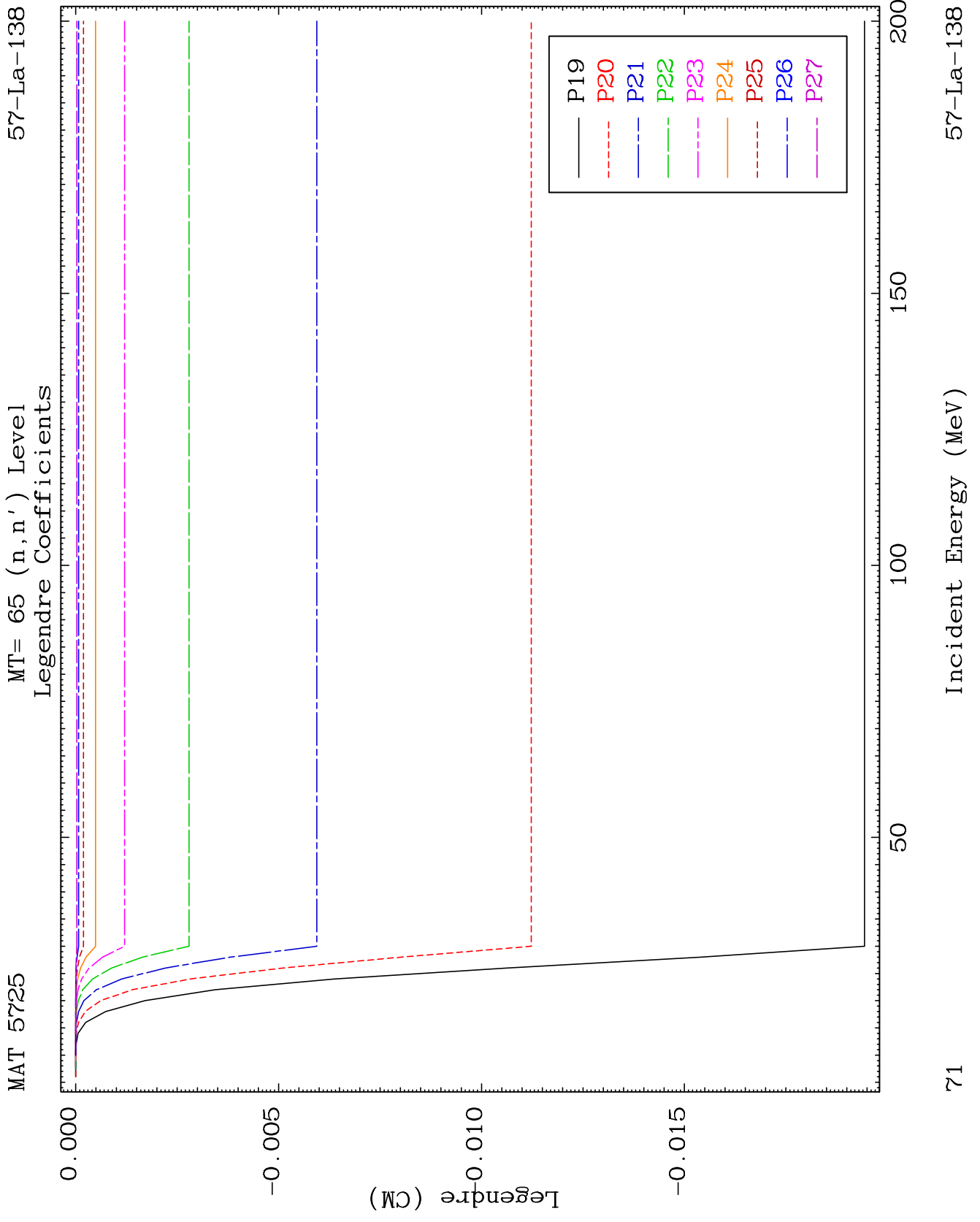
57-La-138

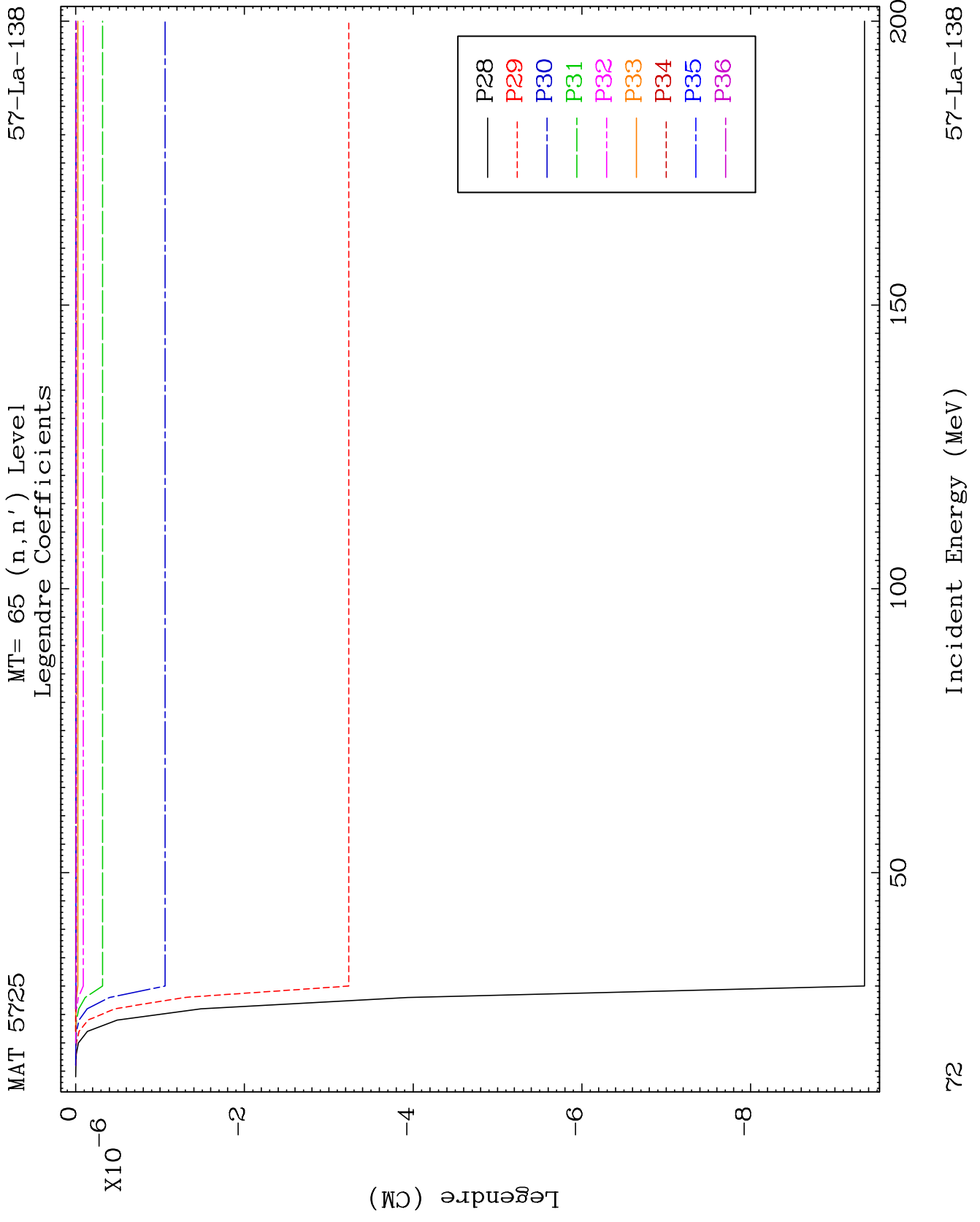


70

Incident Energy (MeV)

57-La-138

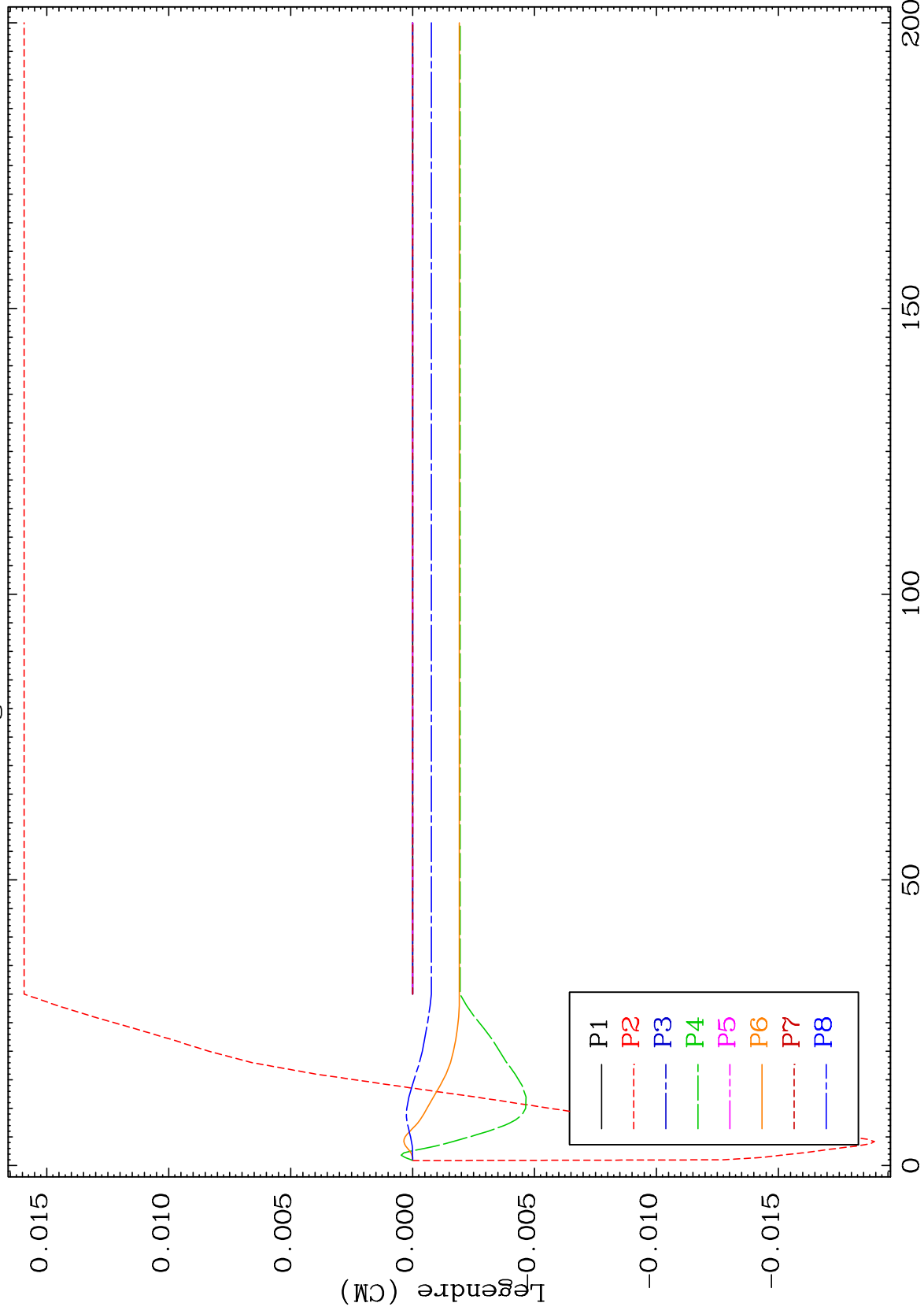




MAT 5725

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

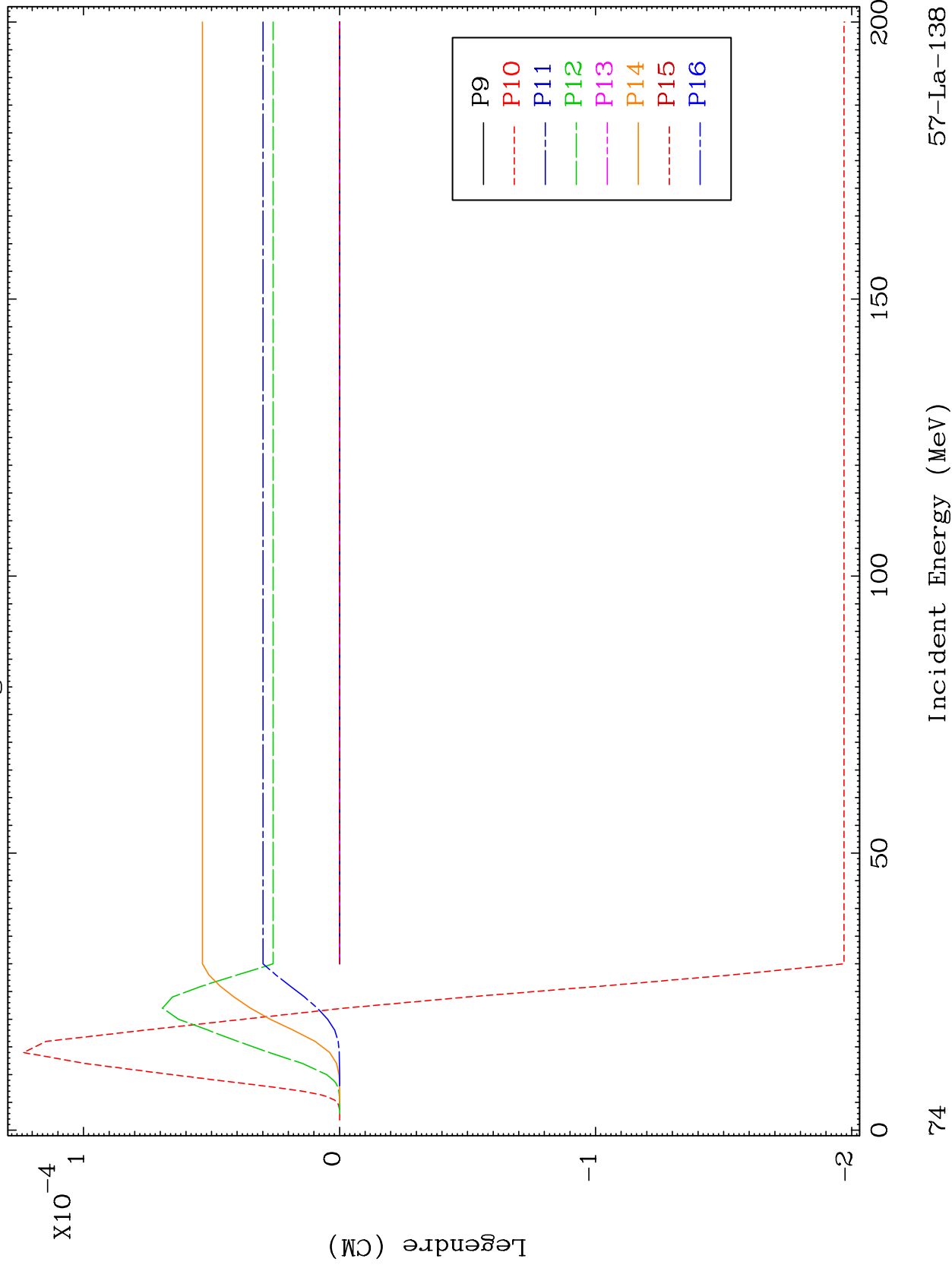
57-La-138



MAT 5725

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

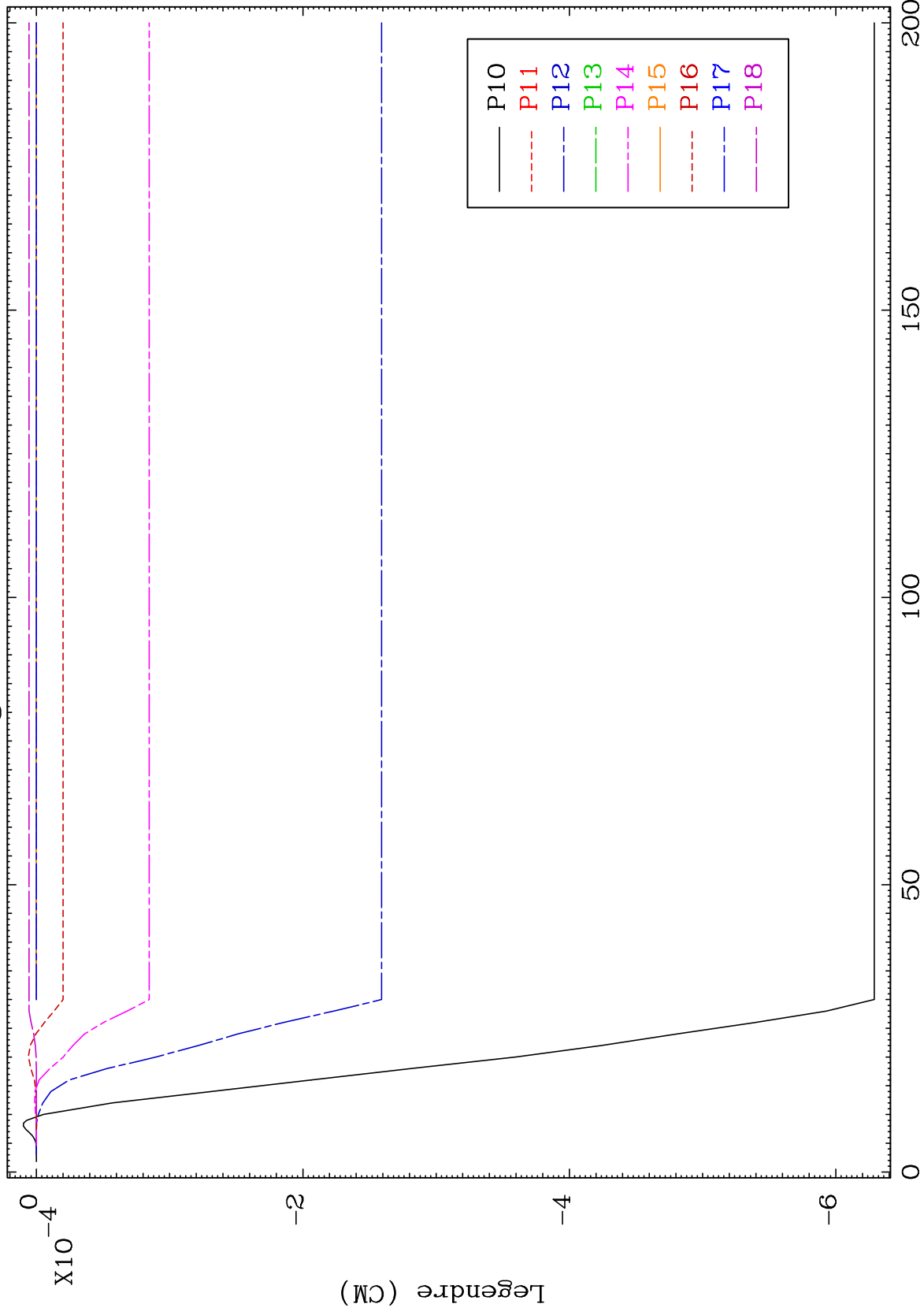
57-La-138



MAT 5725

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

57-La-138



77

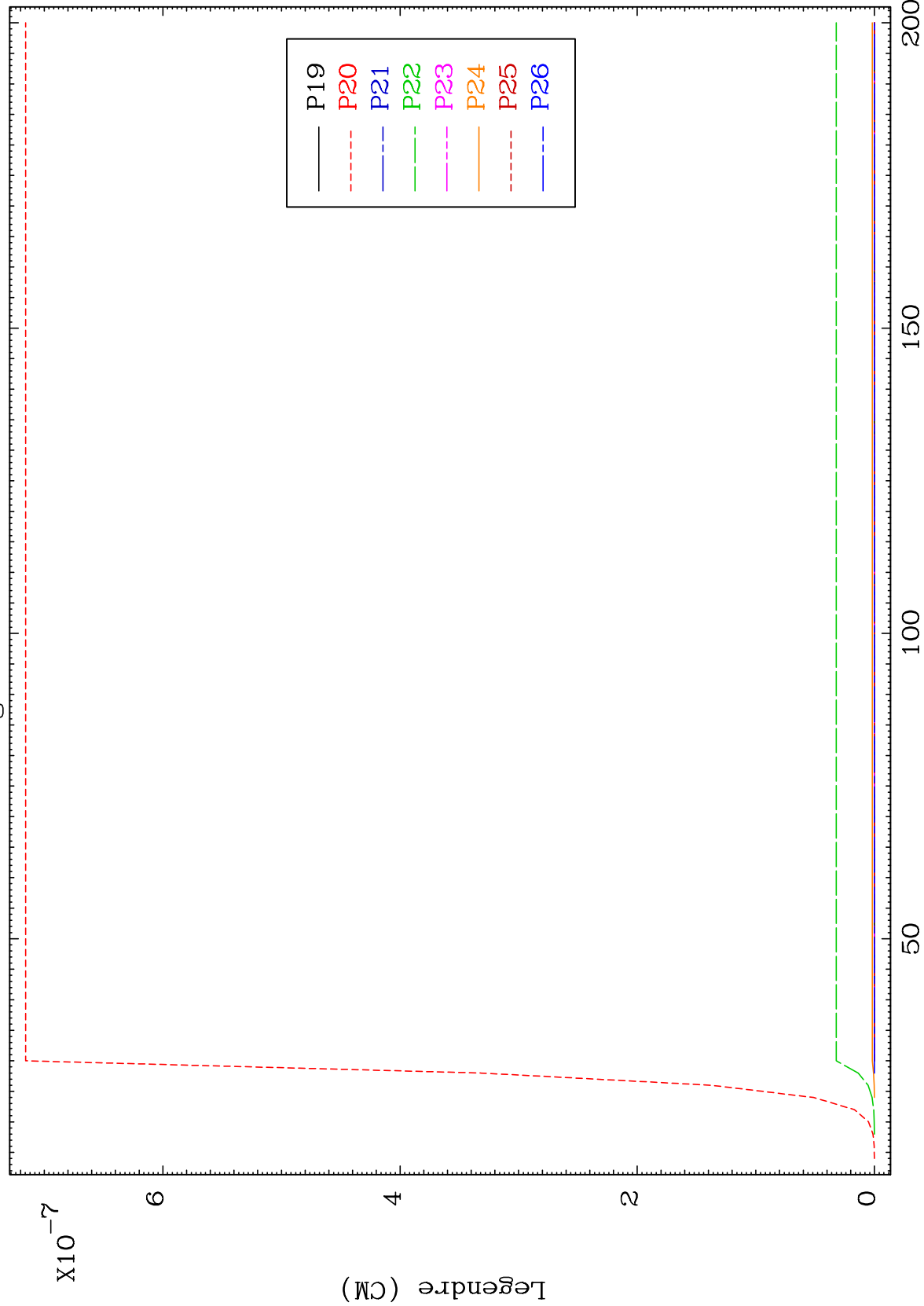
Incident Energy (MeV)

57-La-138

MAT 5725

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

57-La-138



57-La-138

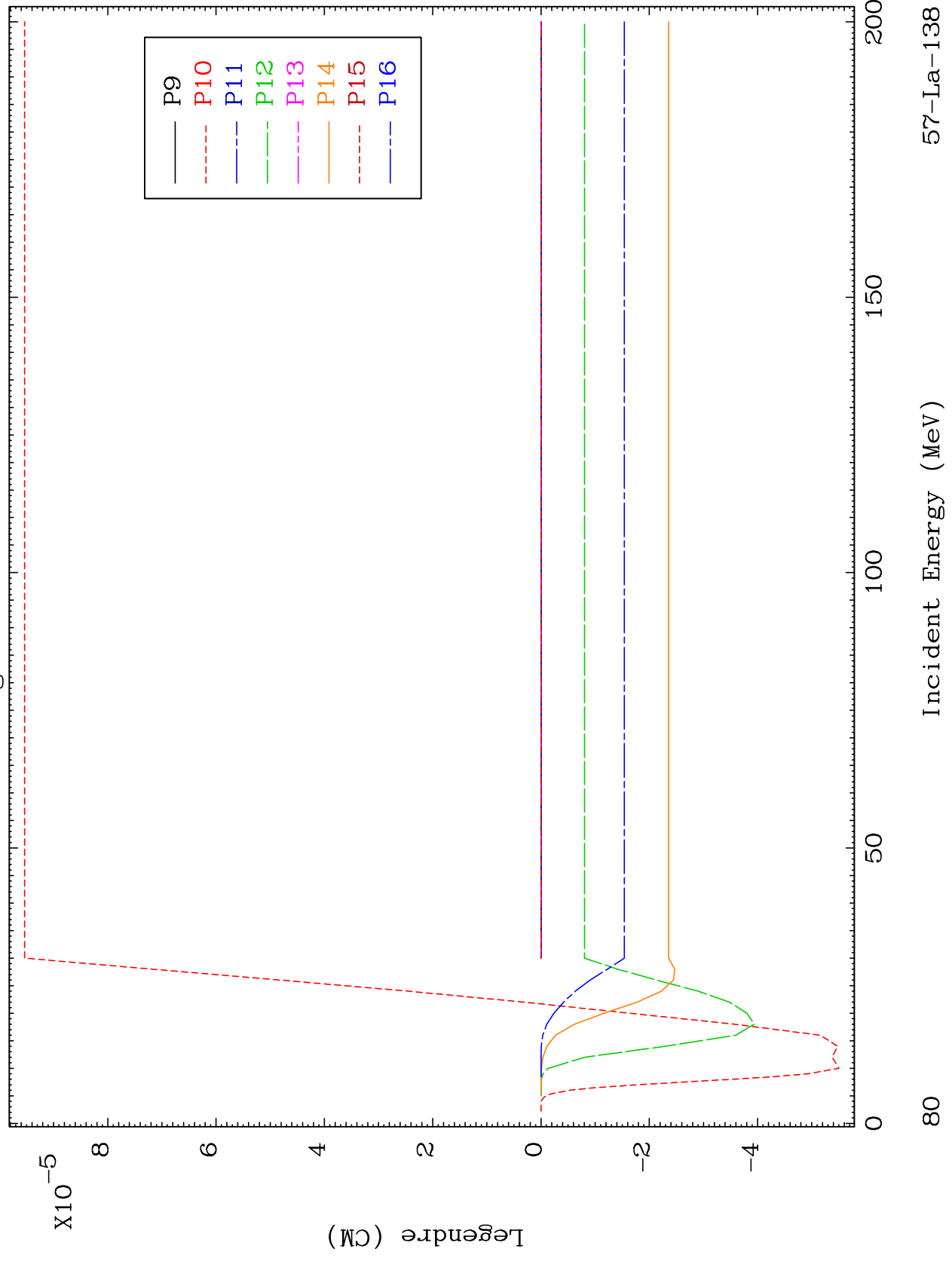
Incident Energy (MeV)

78

MAT 5725

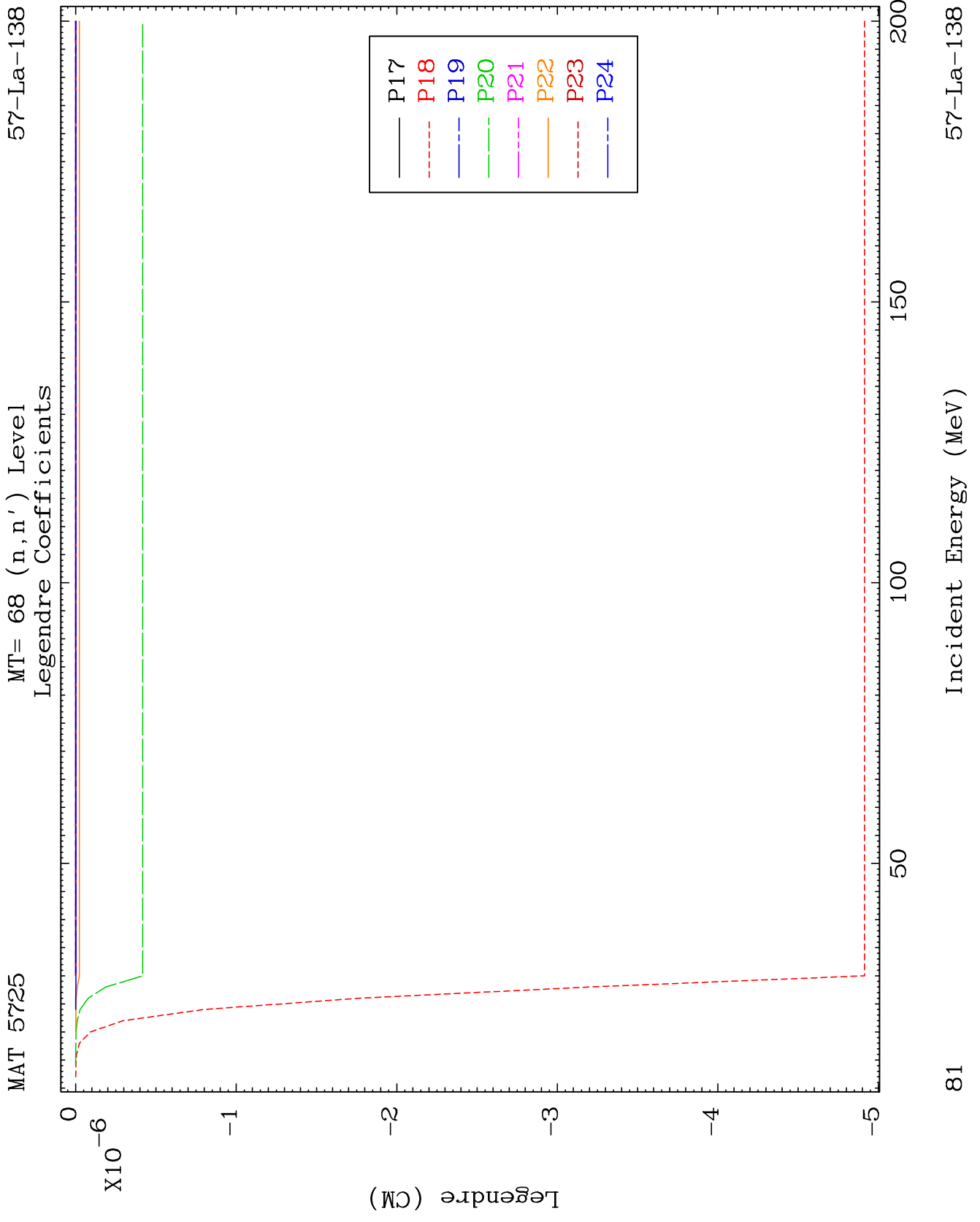
MT= 68 (n,n') Level
Legendre Coefficients

57-La-138



57-La-138

Incident Energy (MeV)

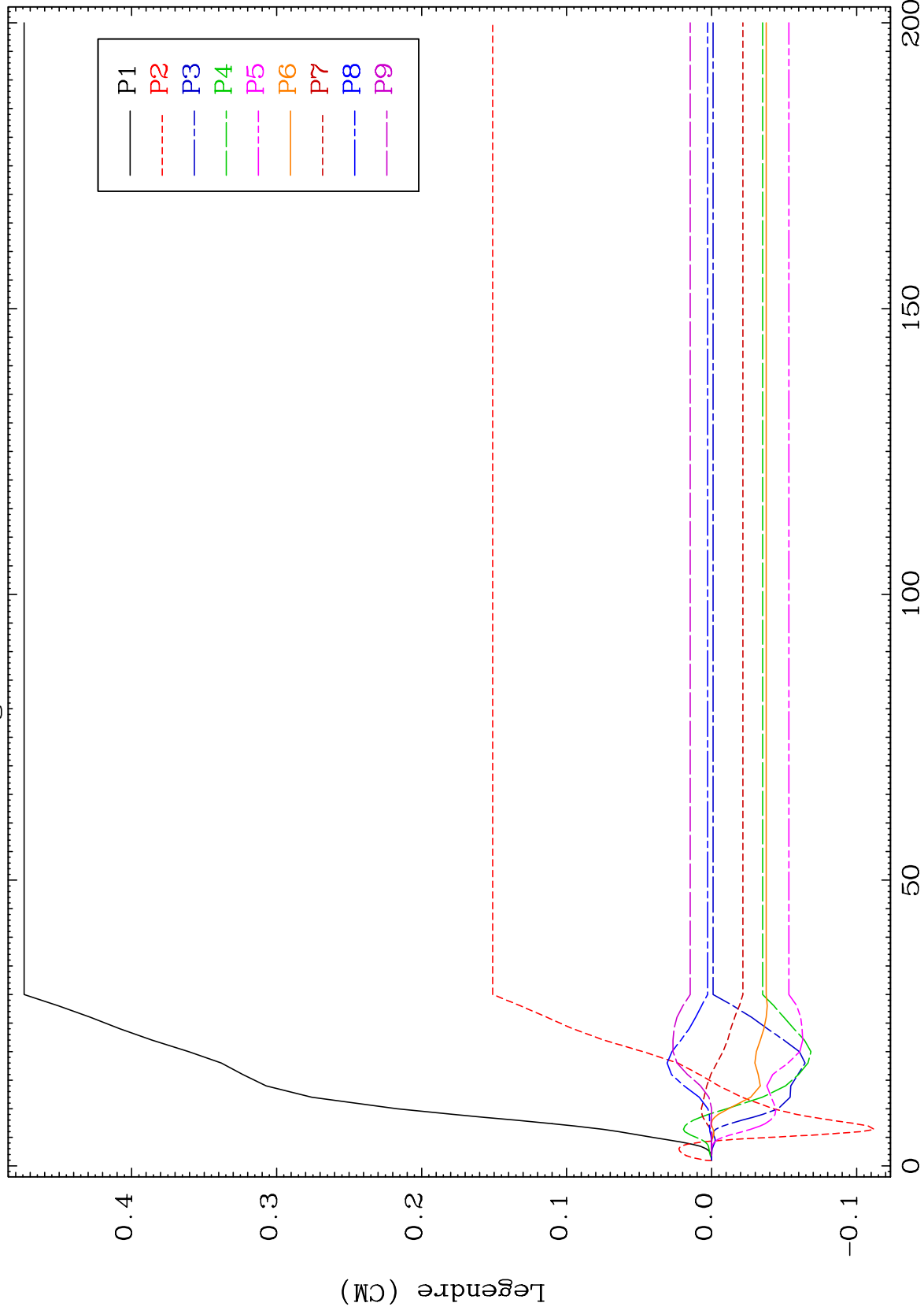


MAT 5725

MT= 69 (n,n') Level

57-La-138

Legendre Coefficients



82

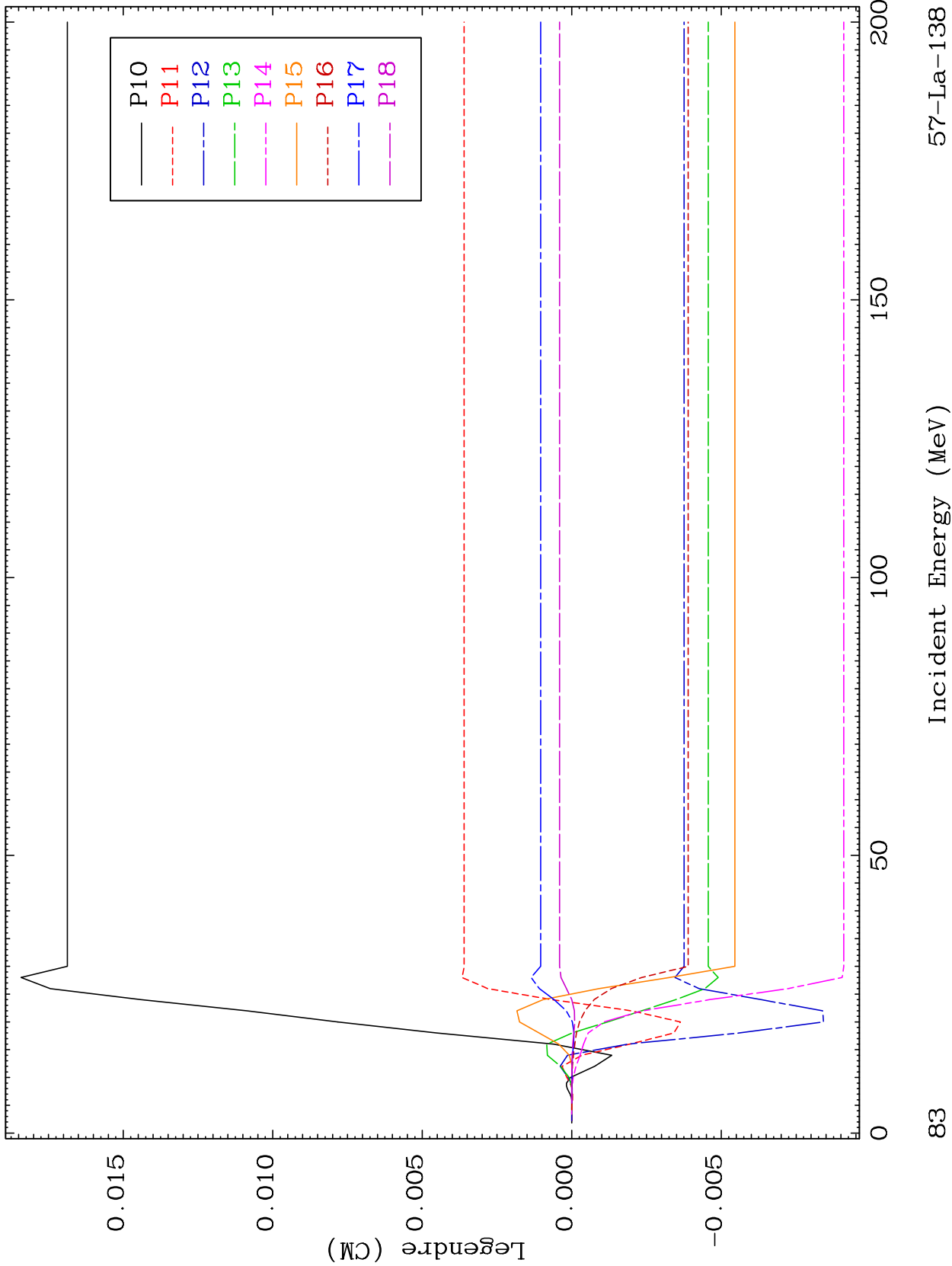
Incident Energy (MeV)

57-La-138

MAT 5725

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

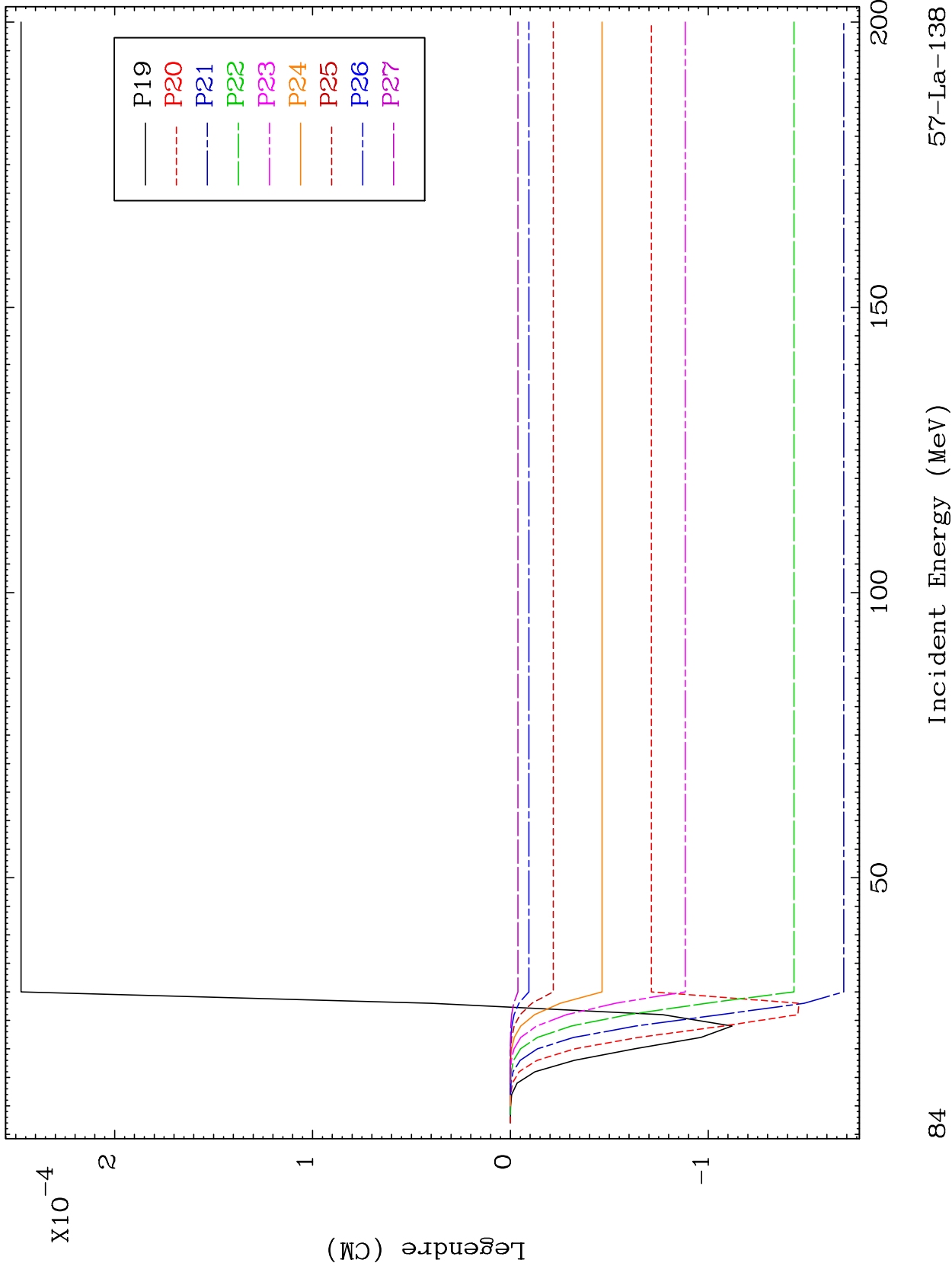
57-La-138

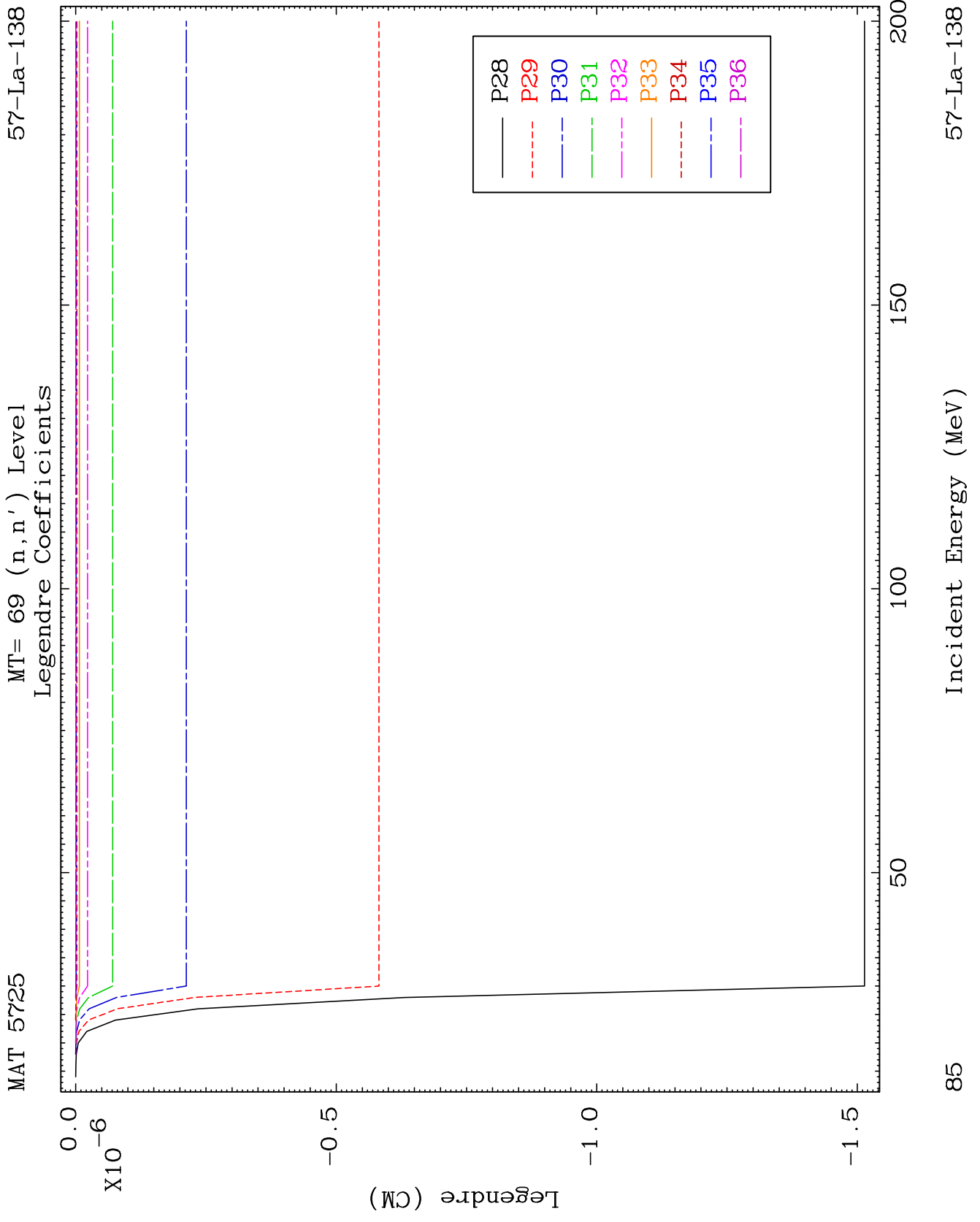


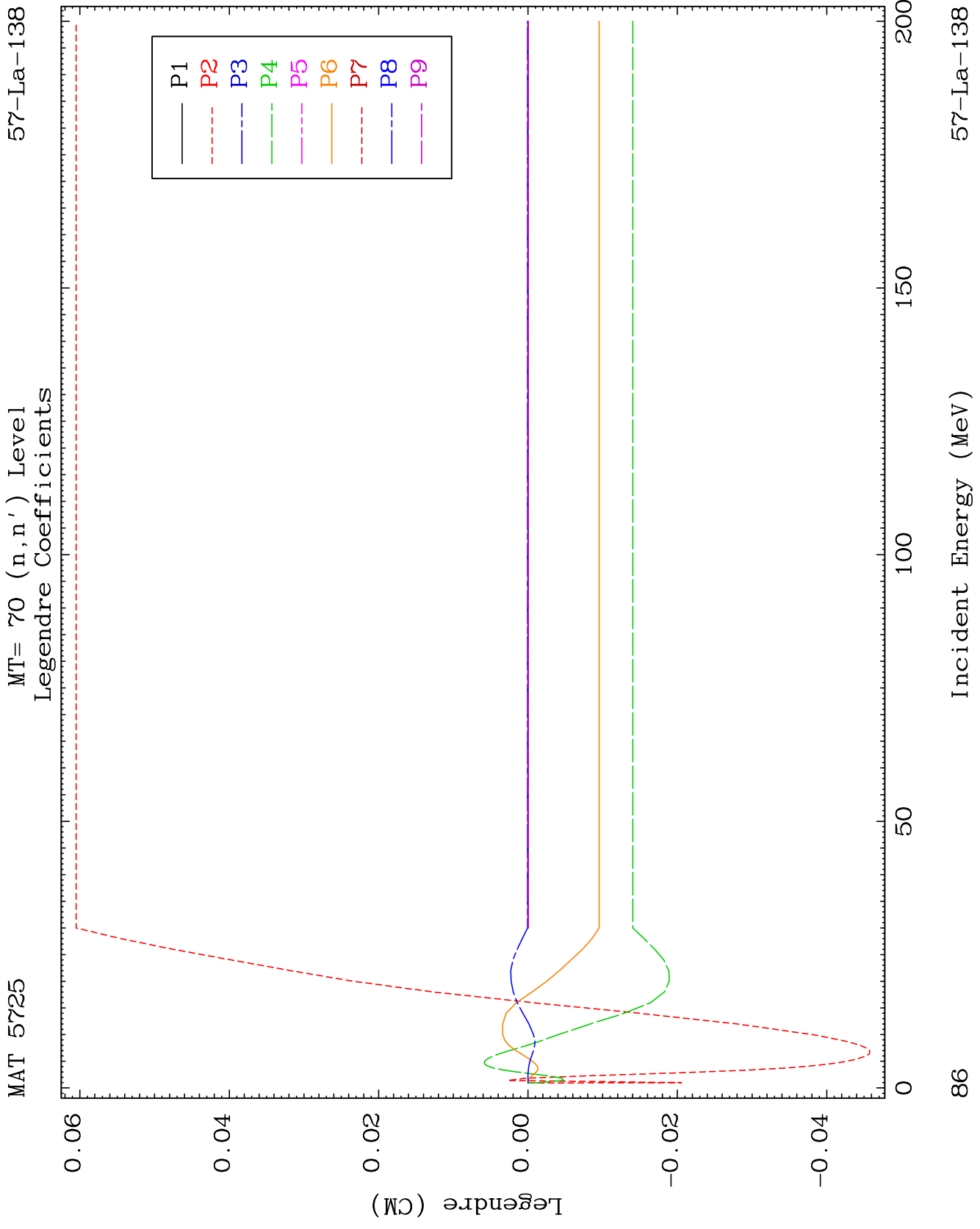
83

Incident Energy (MeV)

57-La-138



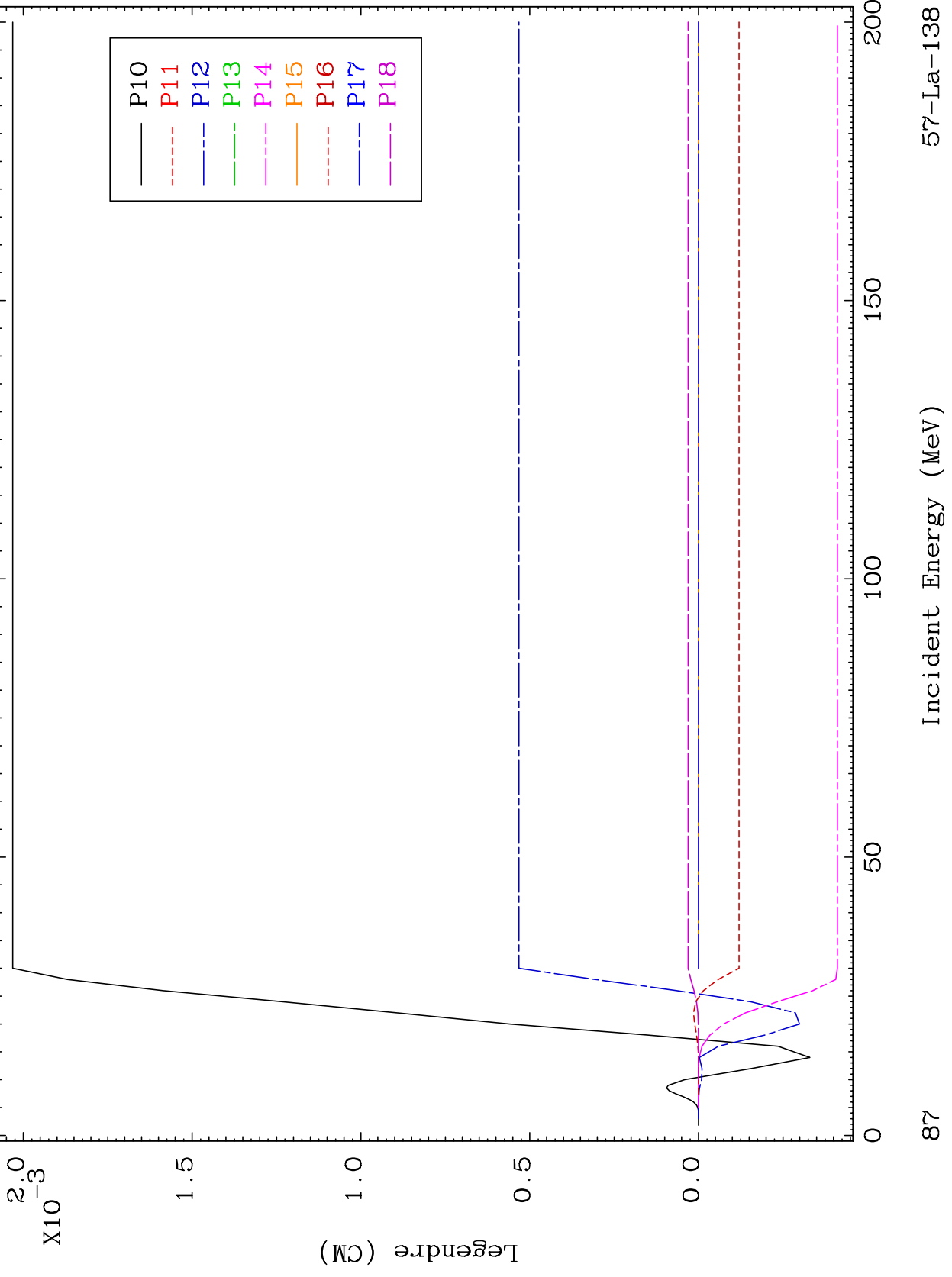




MAT 5725

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

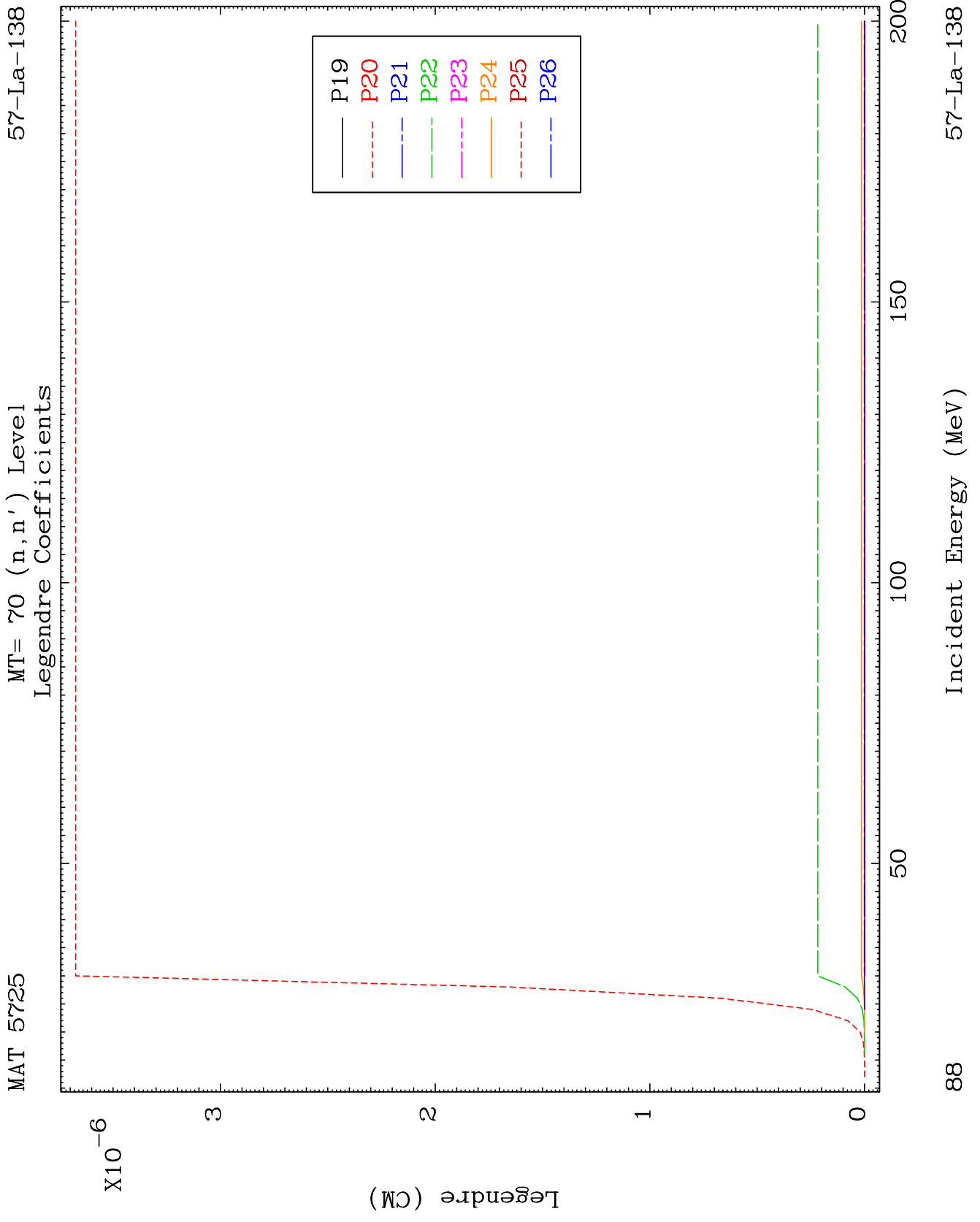
57-La-138

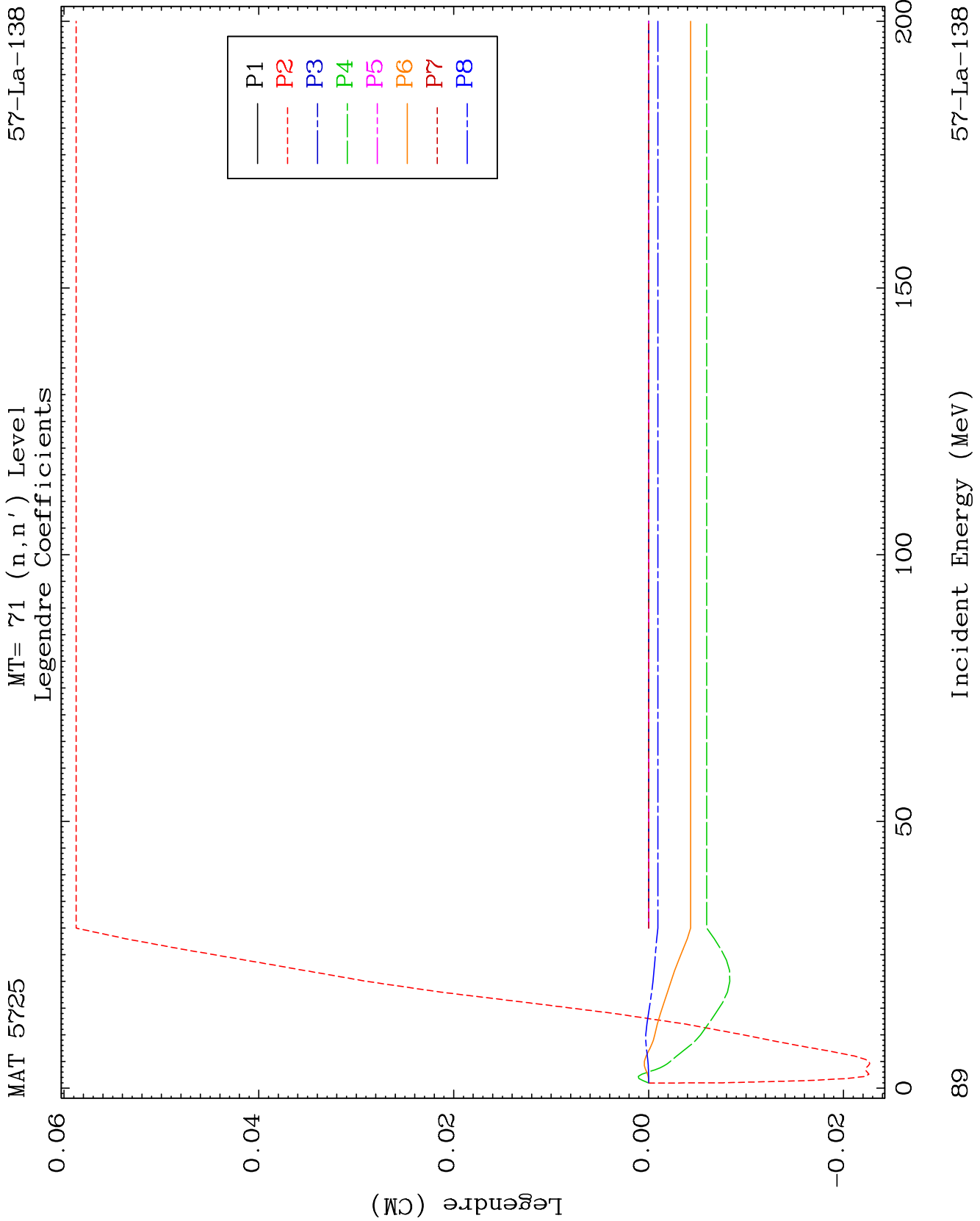


87

Incident Energy (MeV)

57-La-138





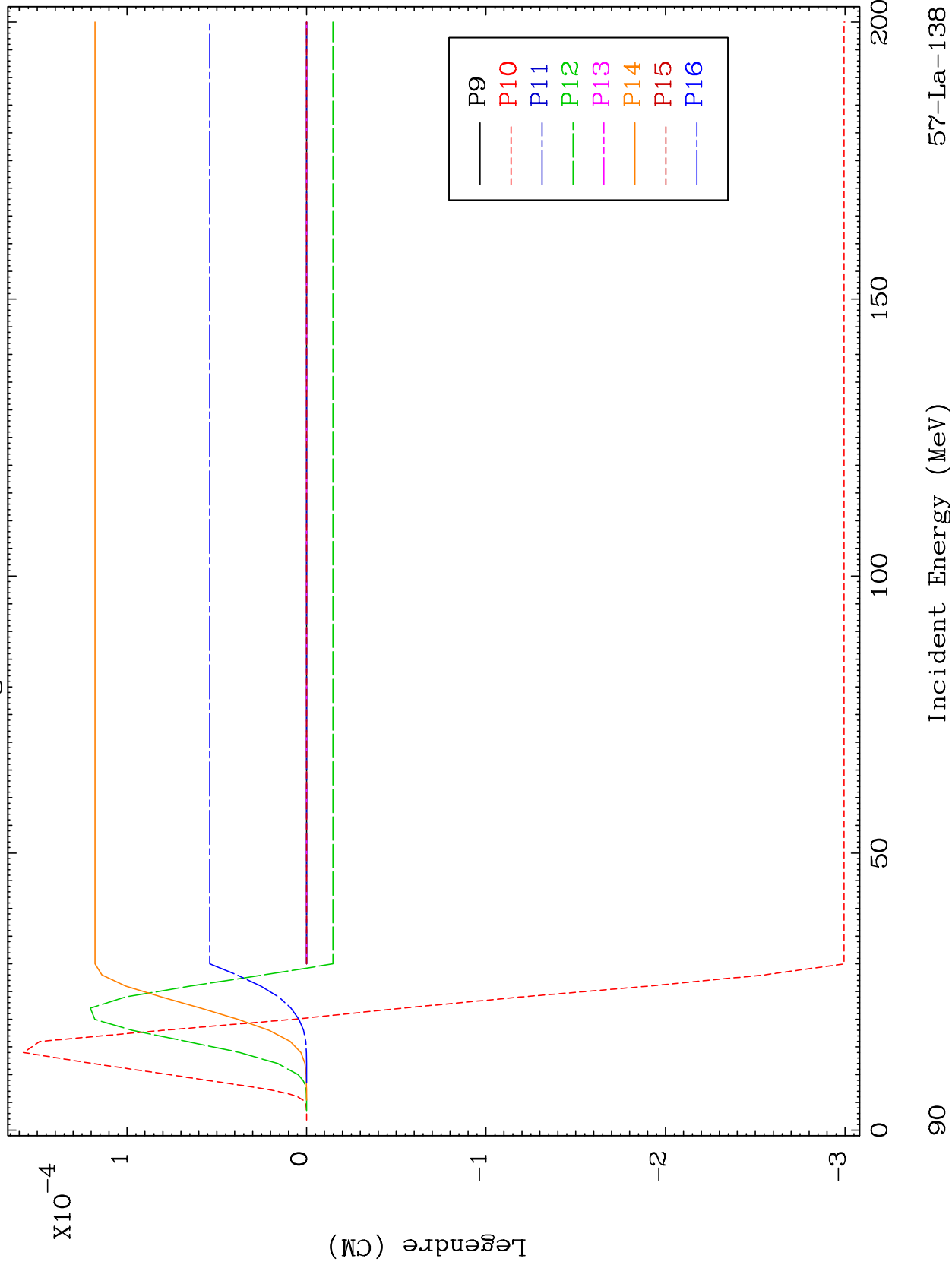
57-La-138

89

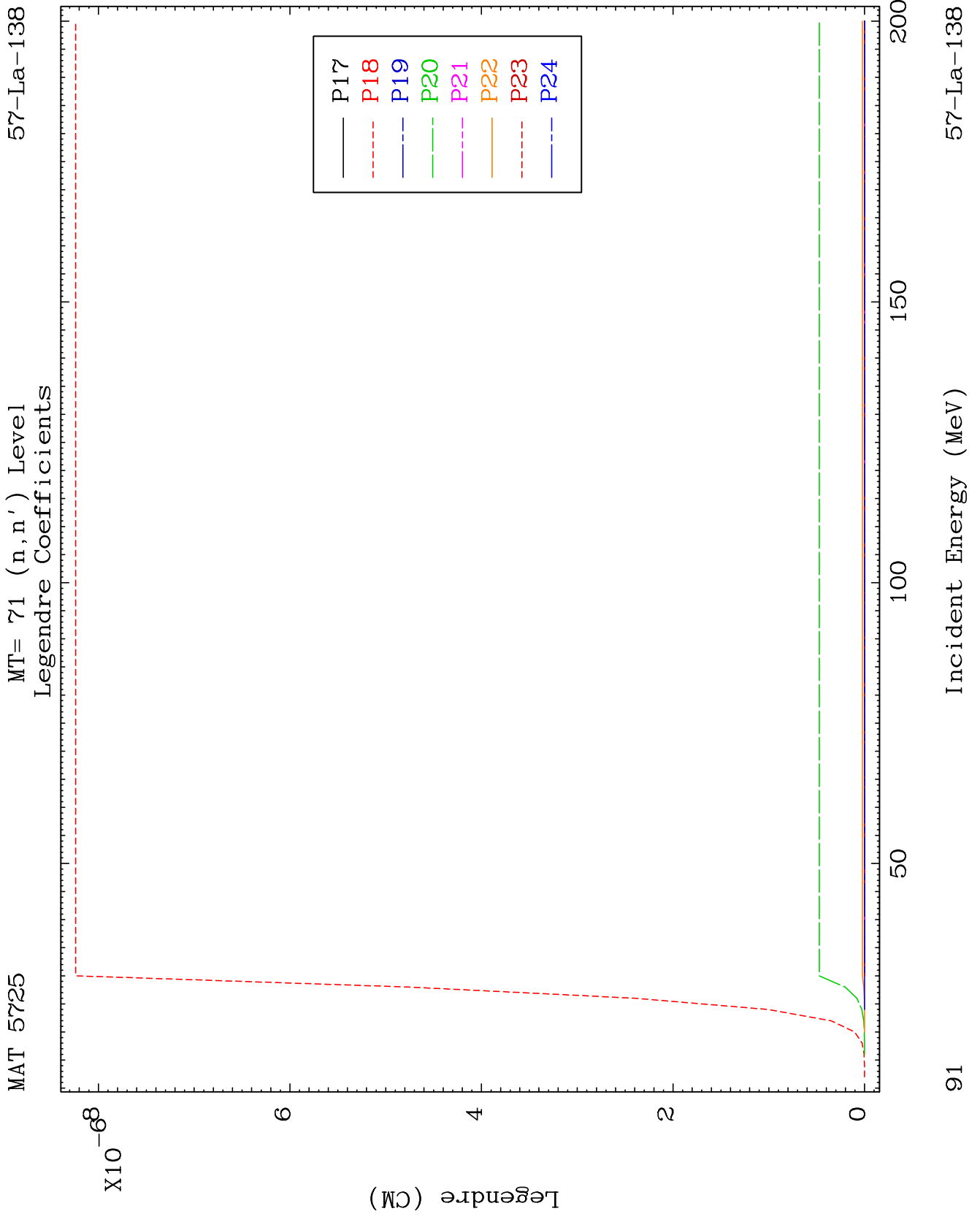
MAT 5725

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

57-La-138



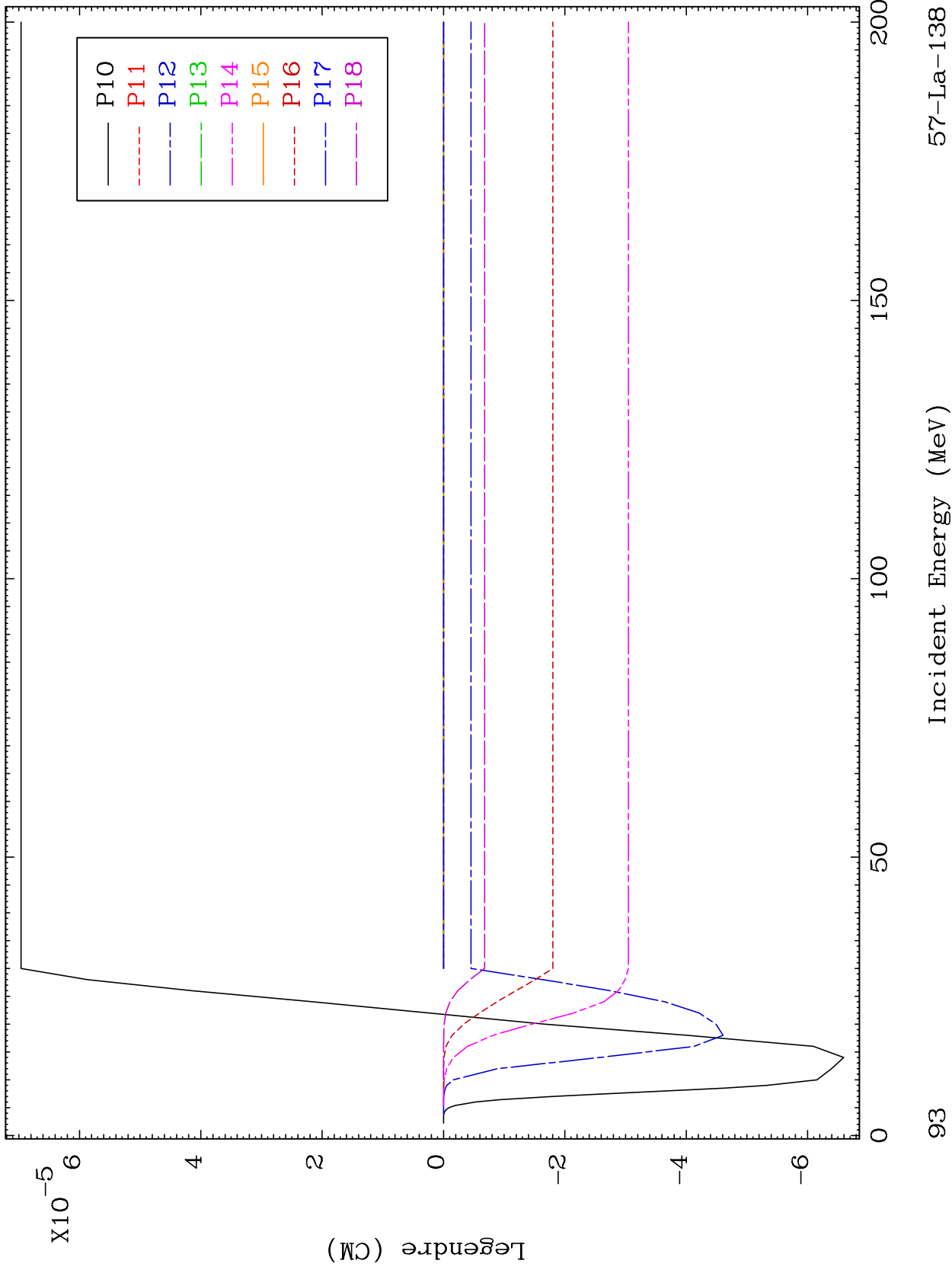
57-La-138



MAT 5725

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

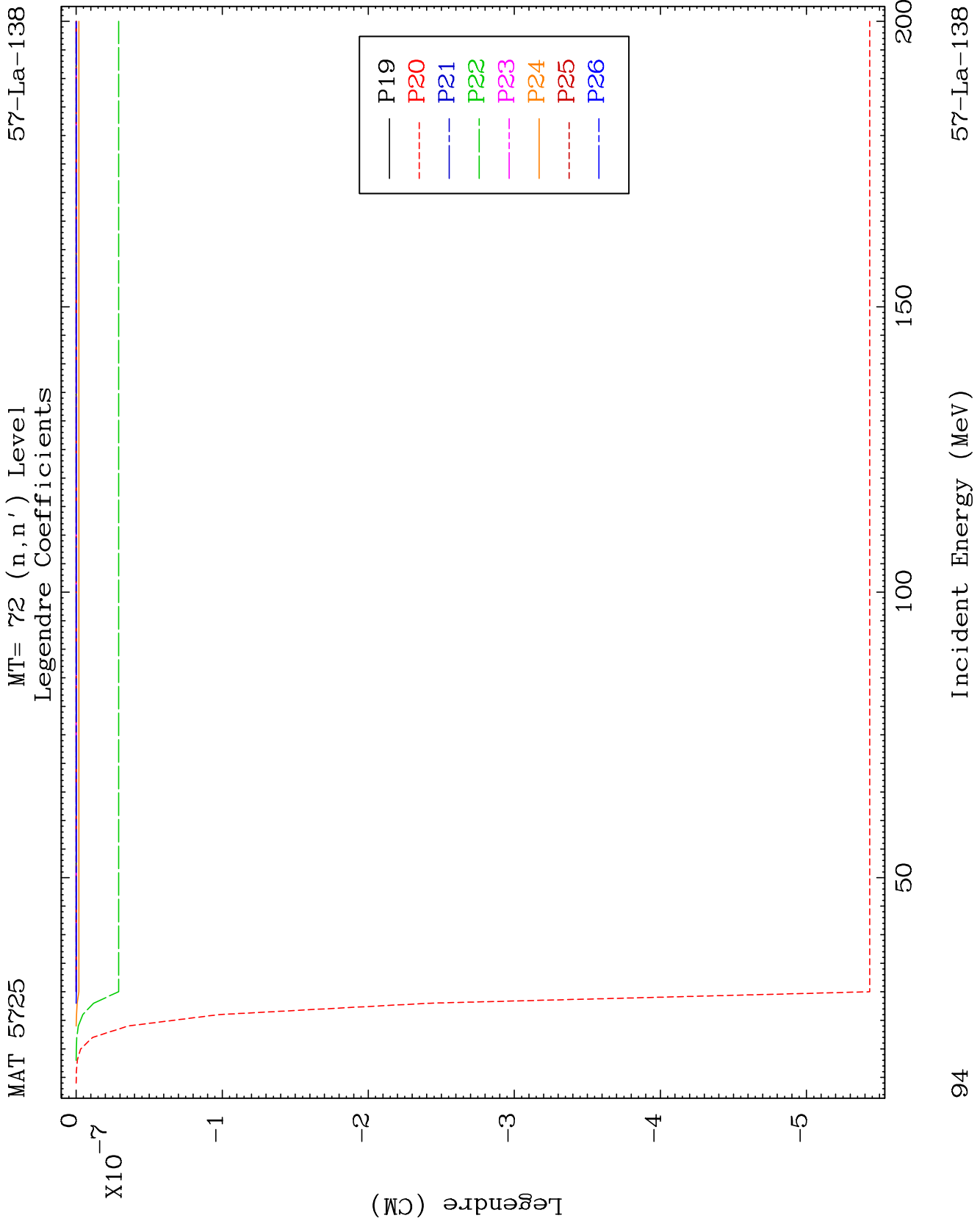
57-La-138



93

Incident Energy (MeV)

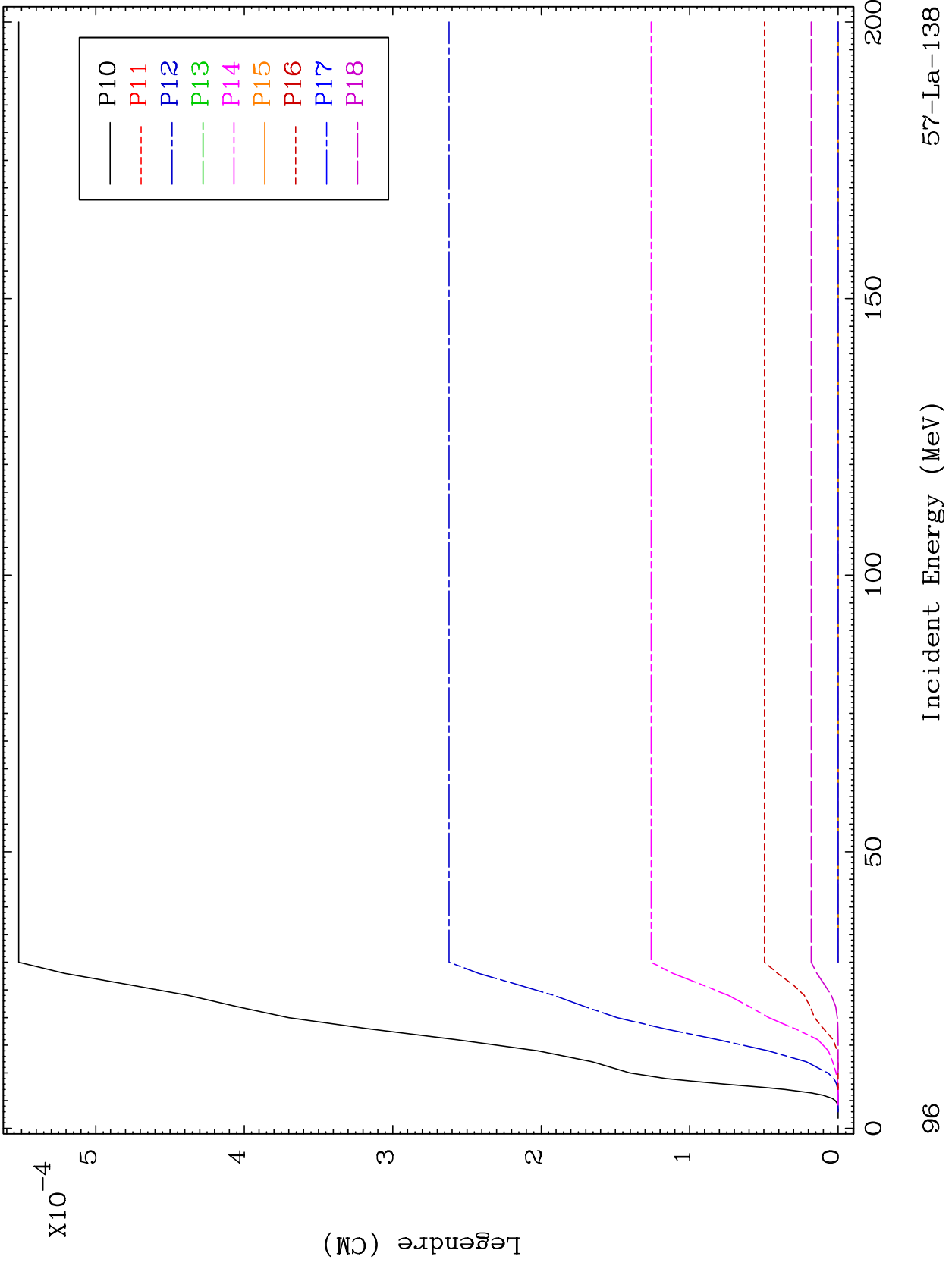
57-La-138



MAT 5725

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

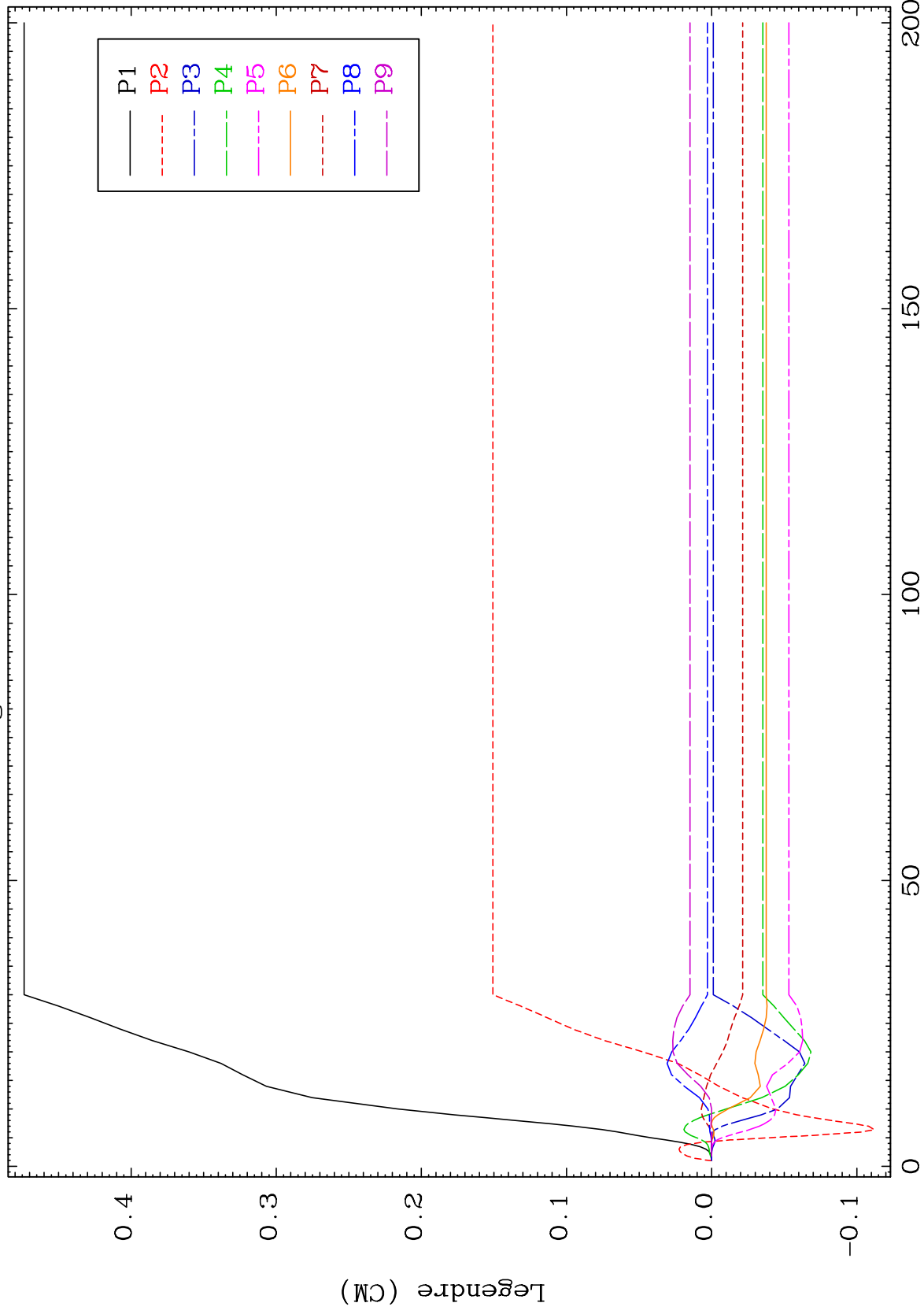
57-La-138



MAT 5725

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

57-La-138



98

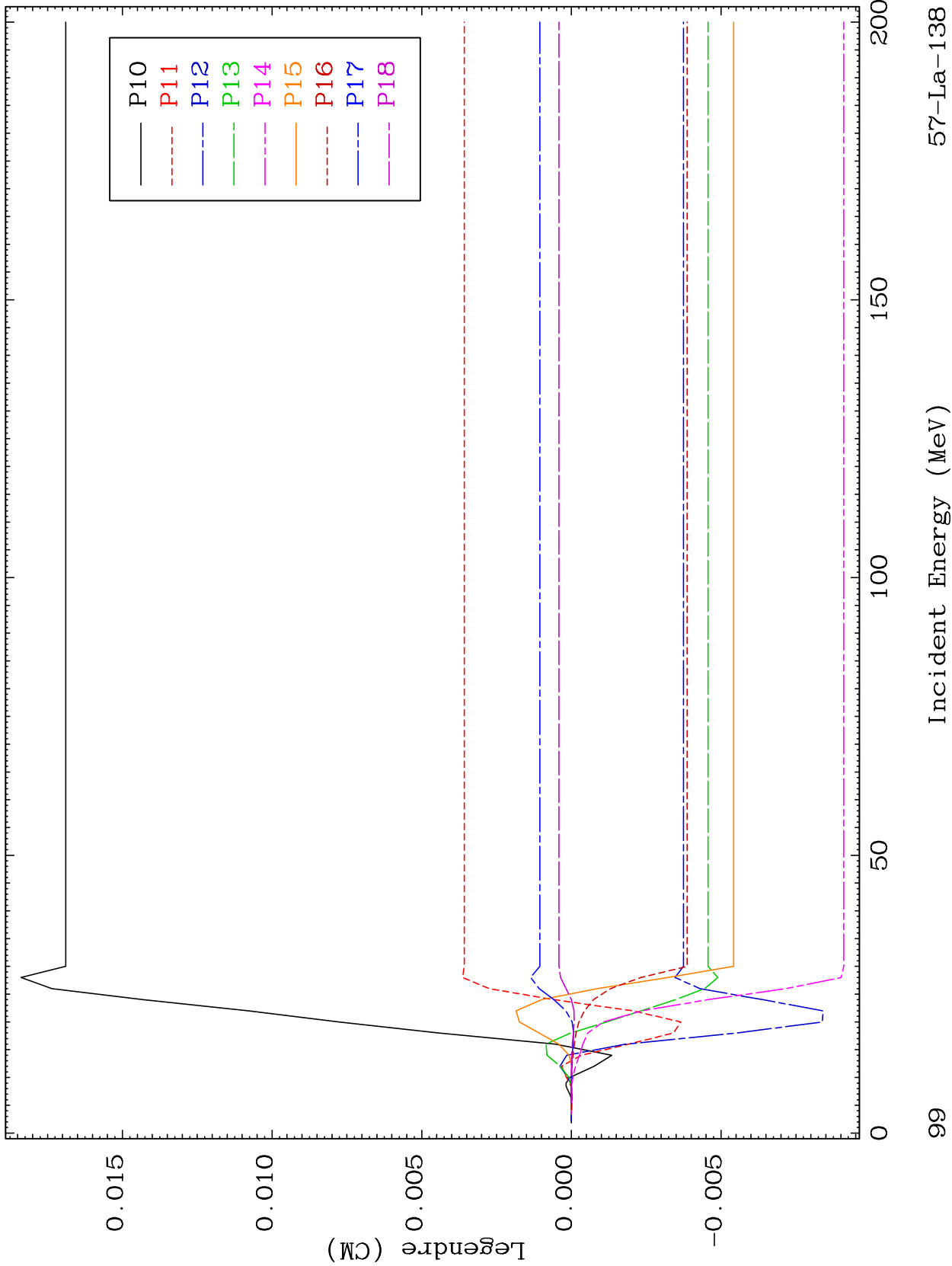
Incident Energy (MeV)

57-La-138

MAT 5725

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

57-La-138



99

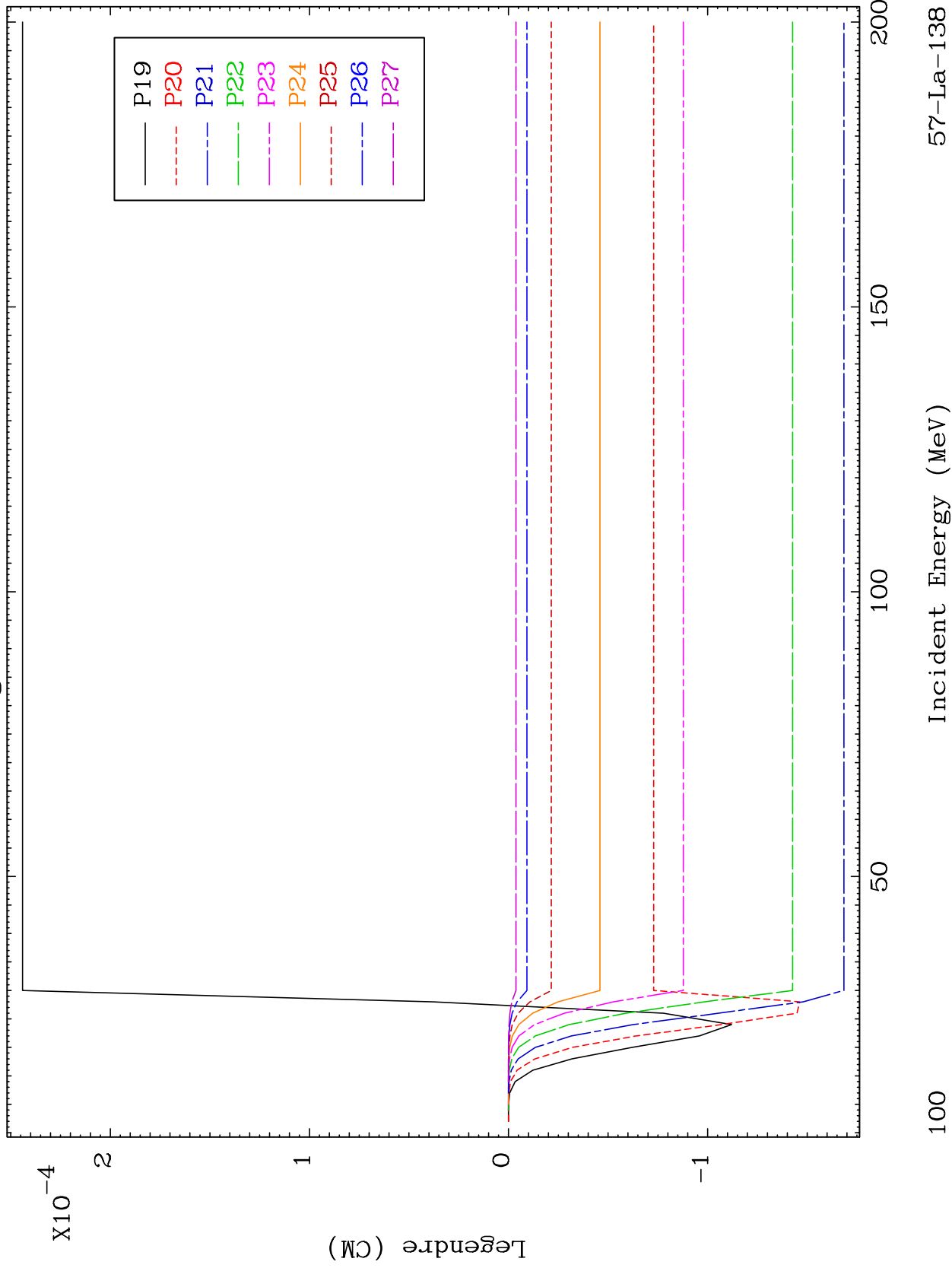
Incident Energy (MeV)

57-La-138

MAT 5725

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

57-La-138

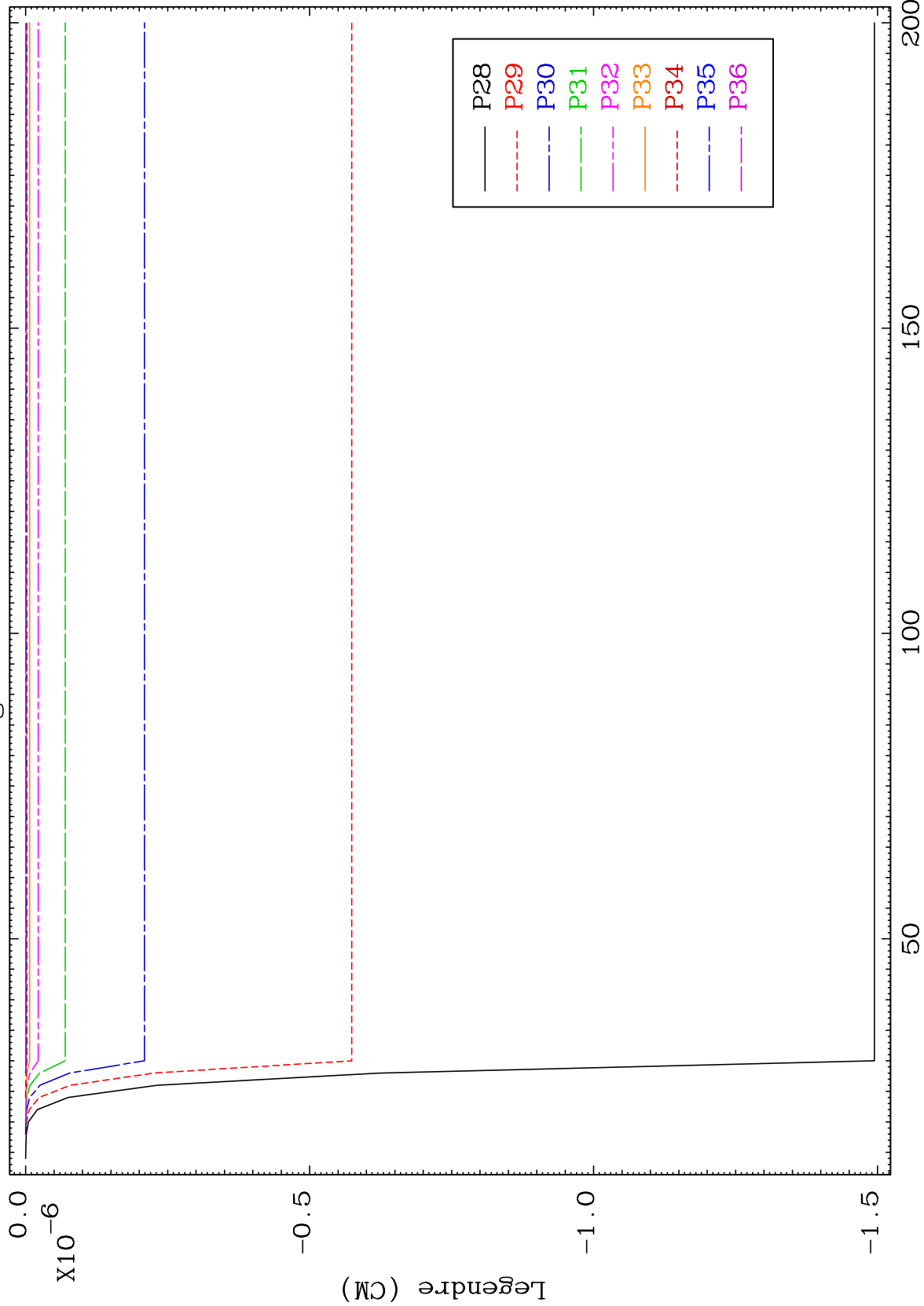


MAT 5725

MT= 74 (n,n') Level

57-La-138

Legendre Coefficients



57-La-138

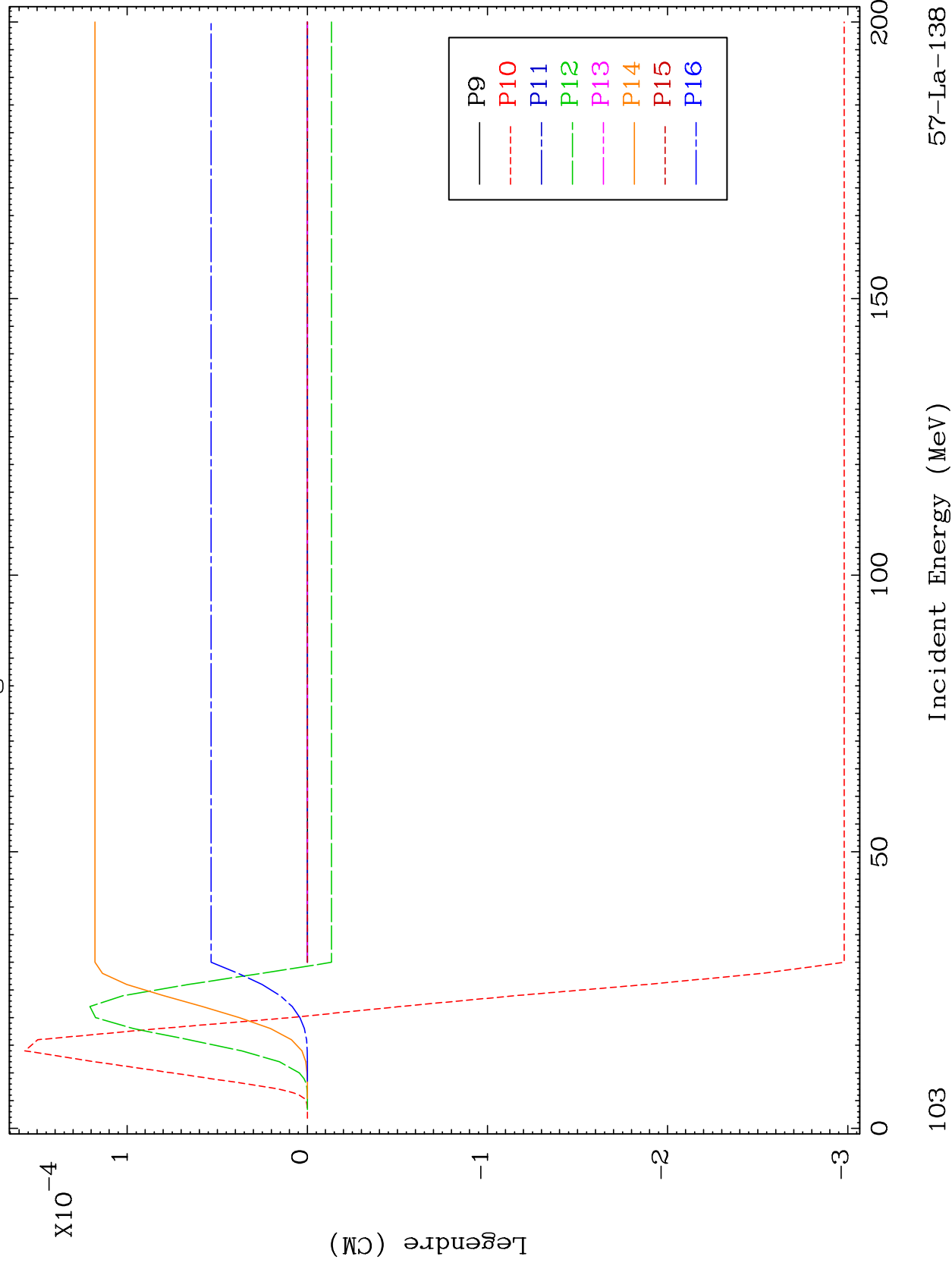
Incident Energy (MeV)

101

MAT 5725

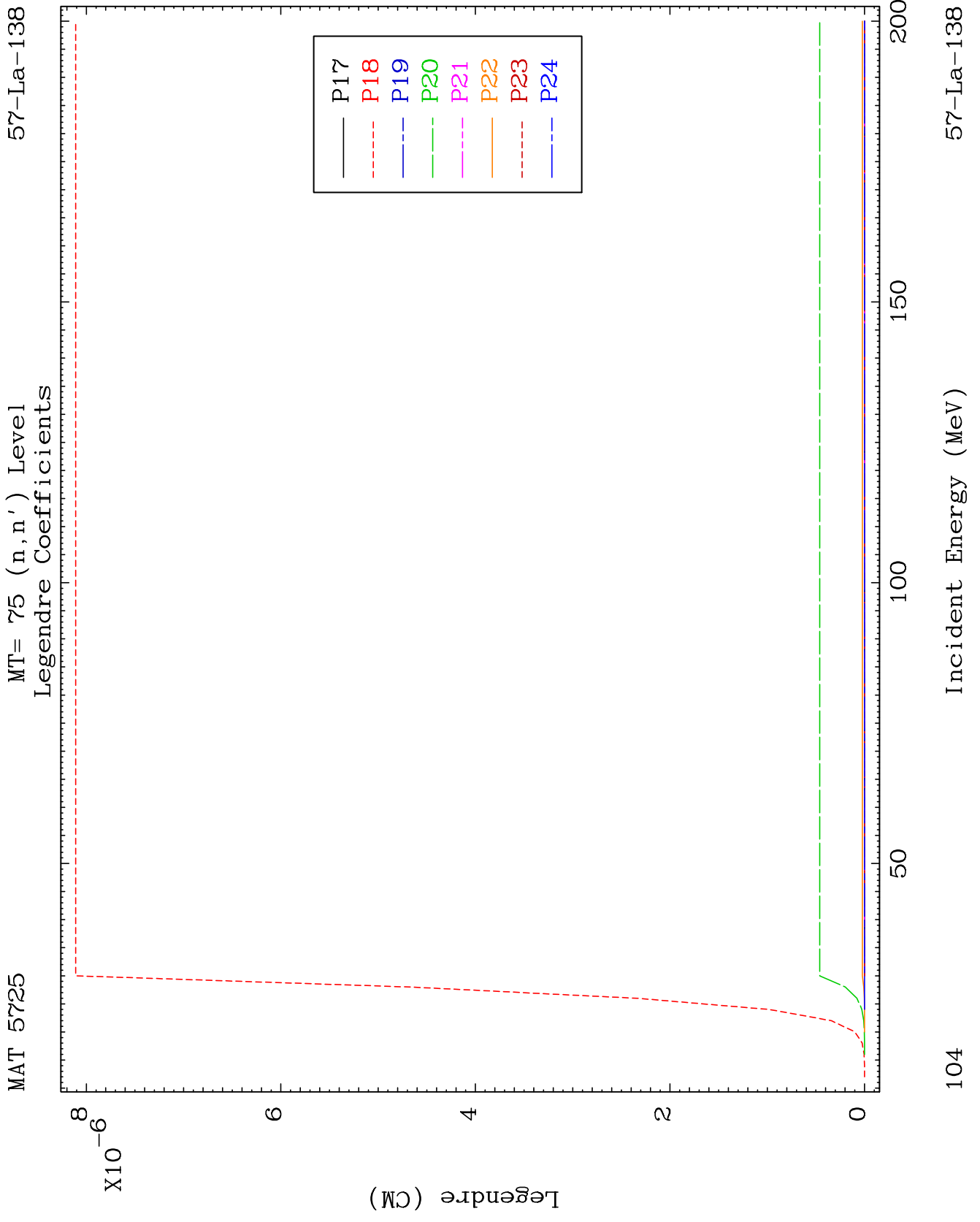
MT= 75 (n,n') Level
Legendre Coefficients

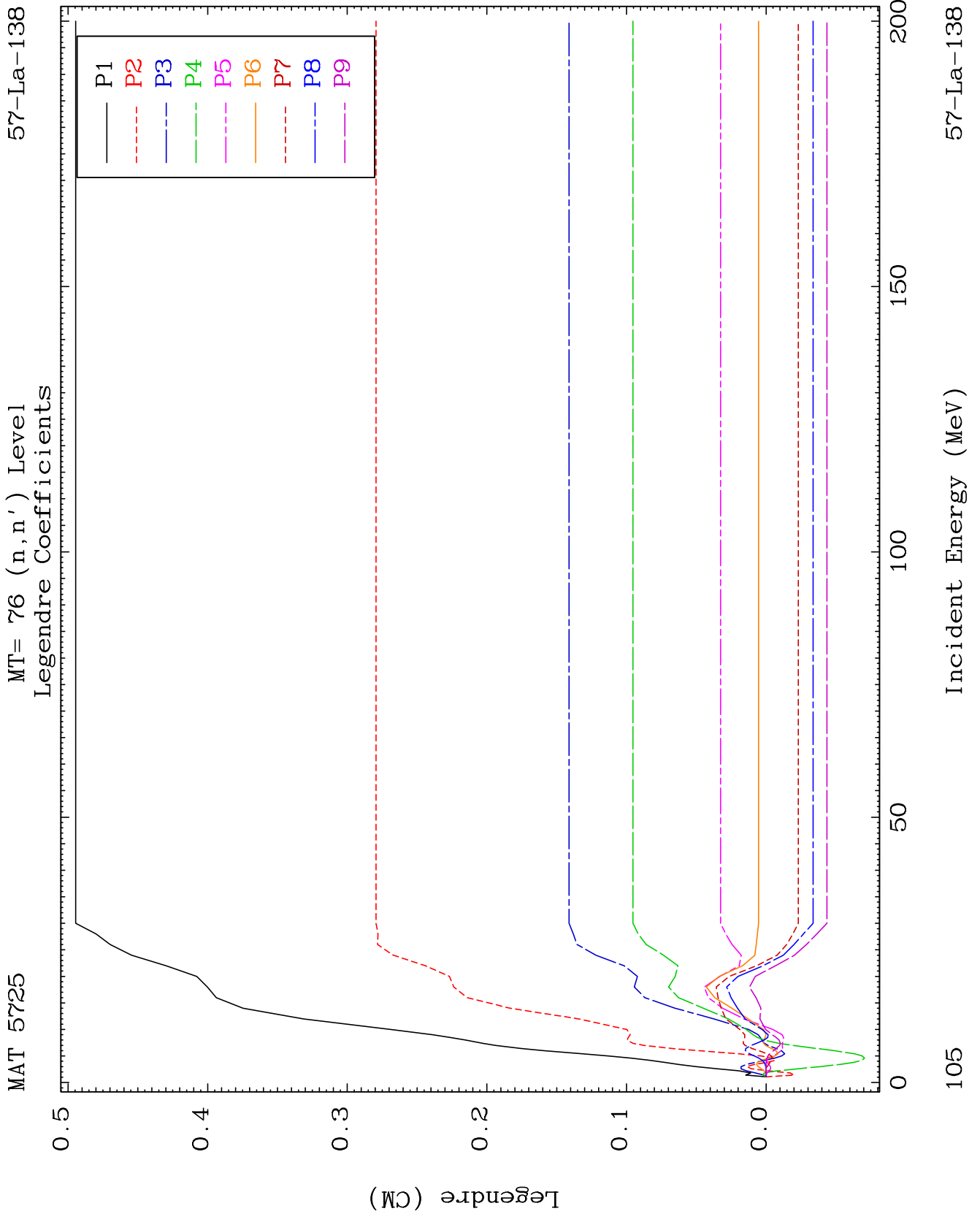
57-La-138

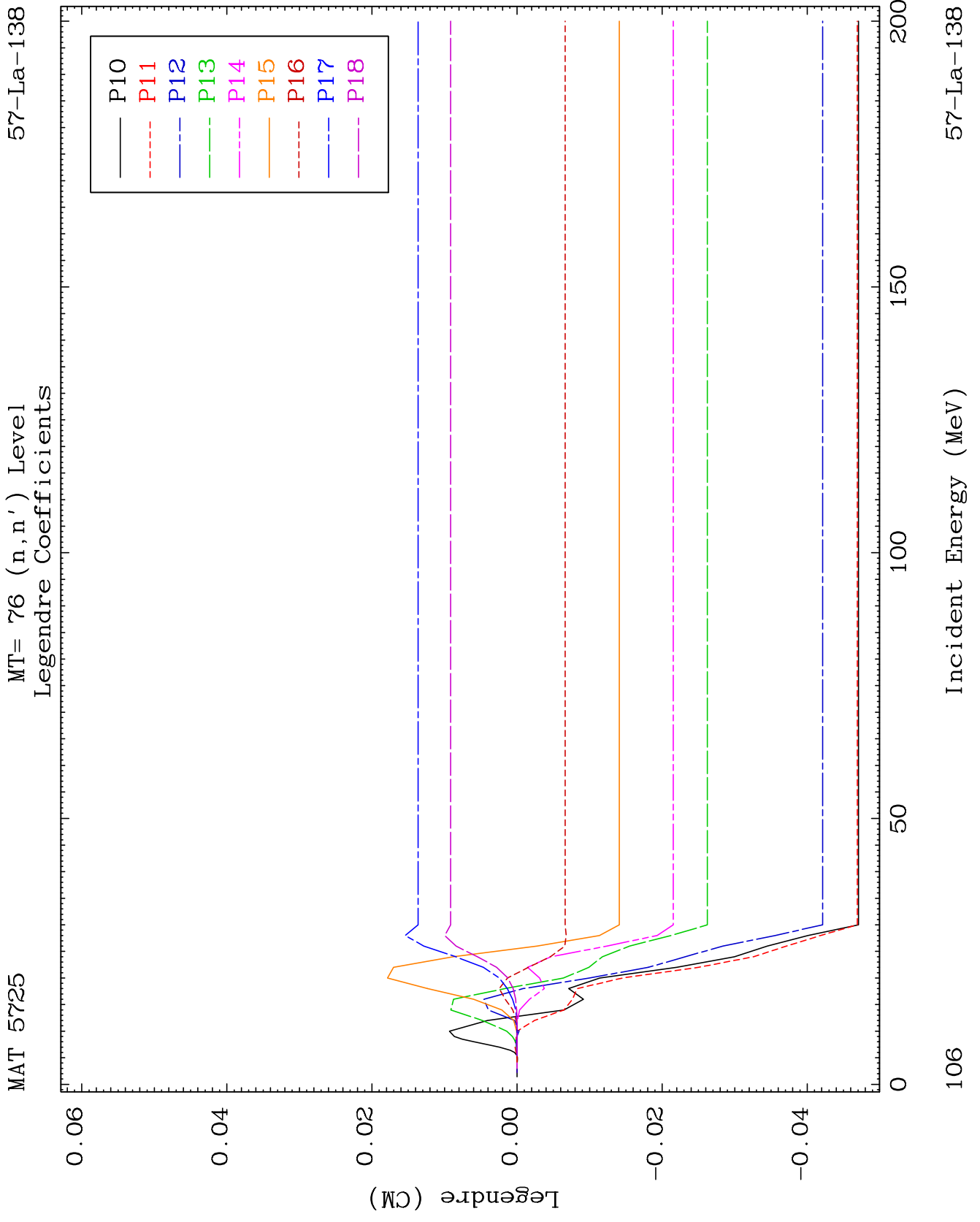


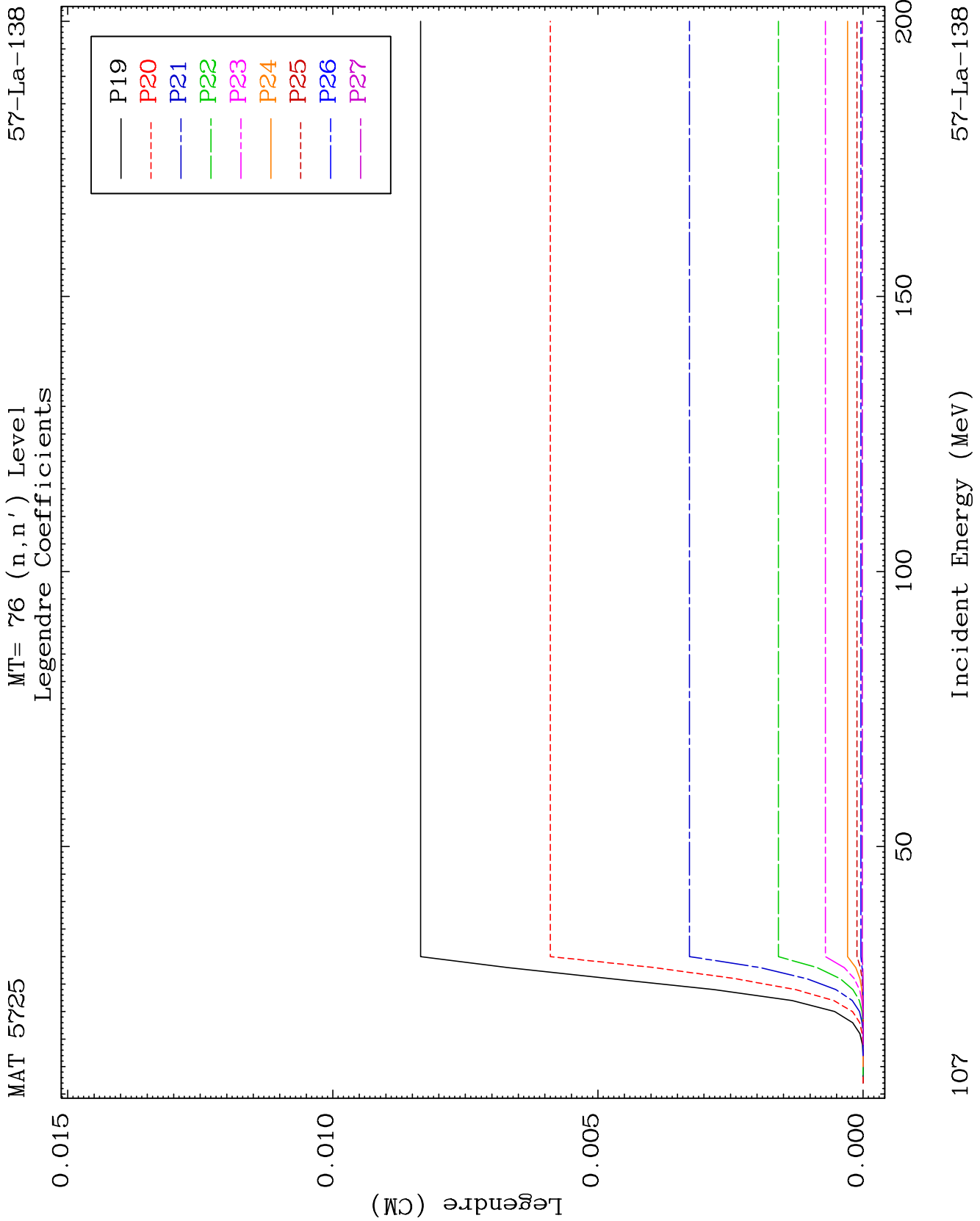
57-La-138

103





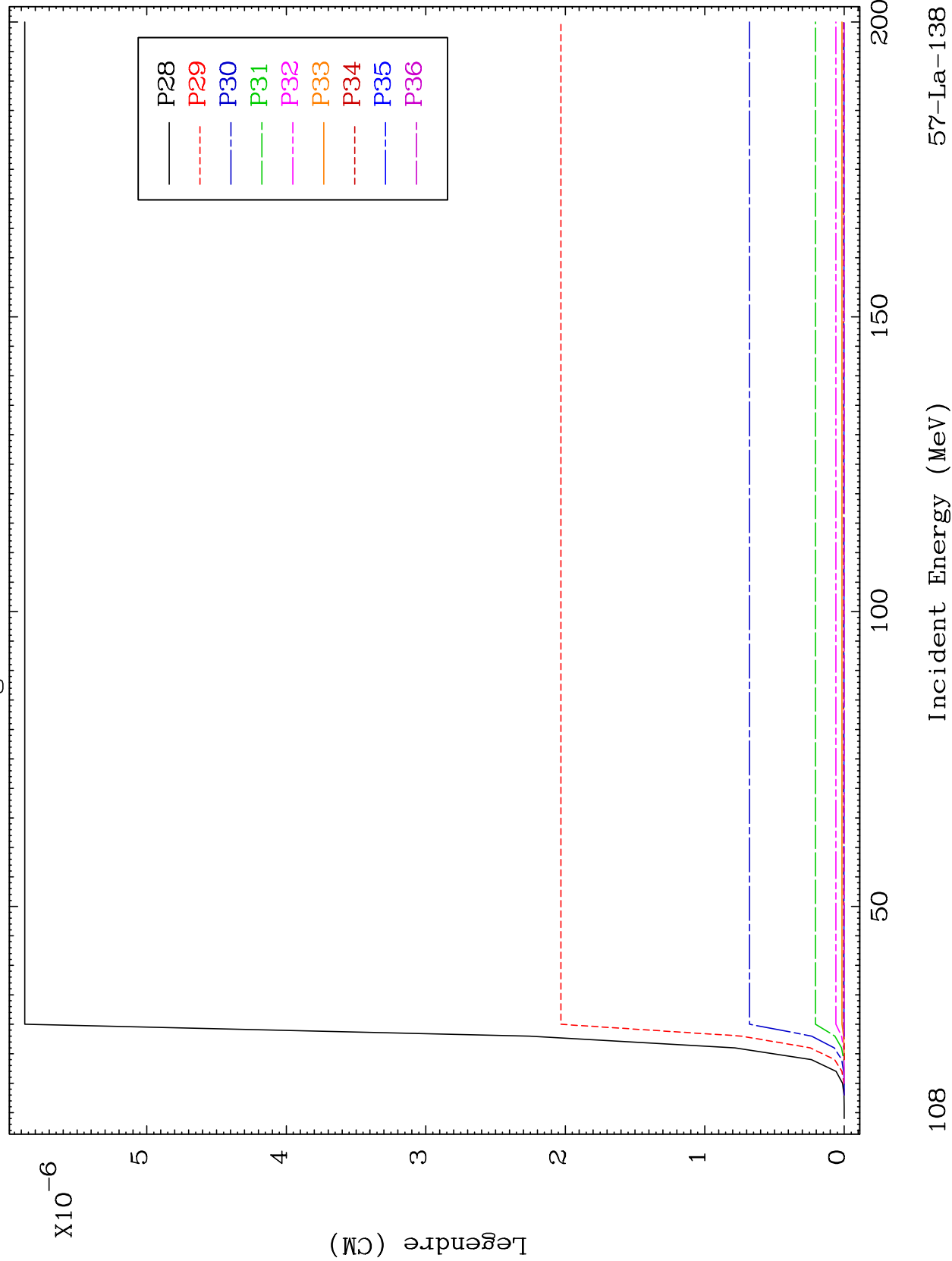




MAT 5725

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

57-La-138



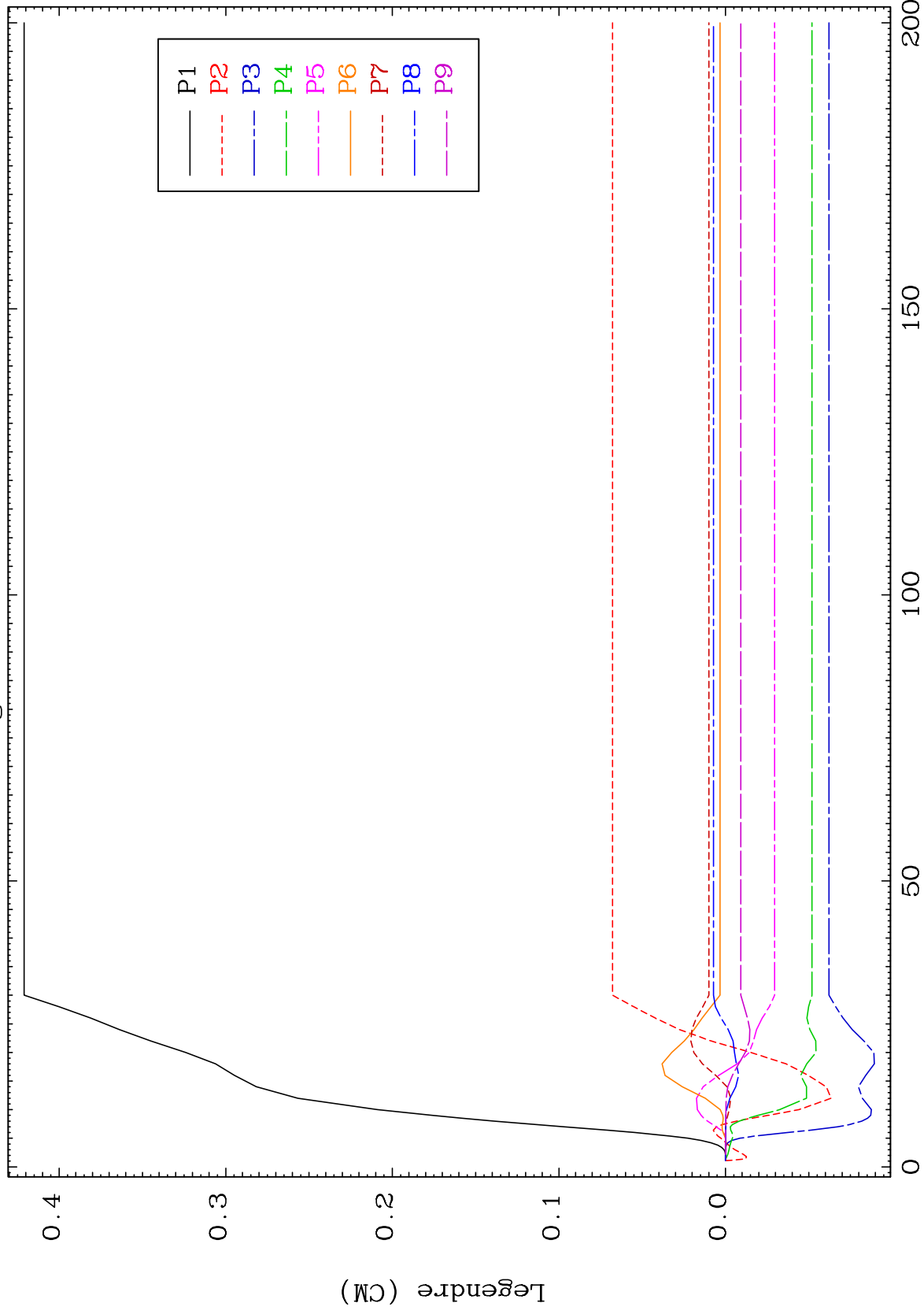
108

57-La-138

MAT 5725

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

57-La-138



109

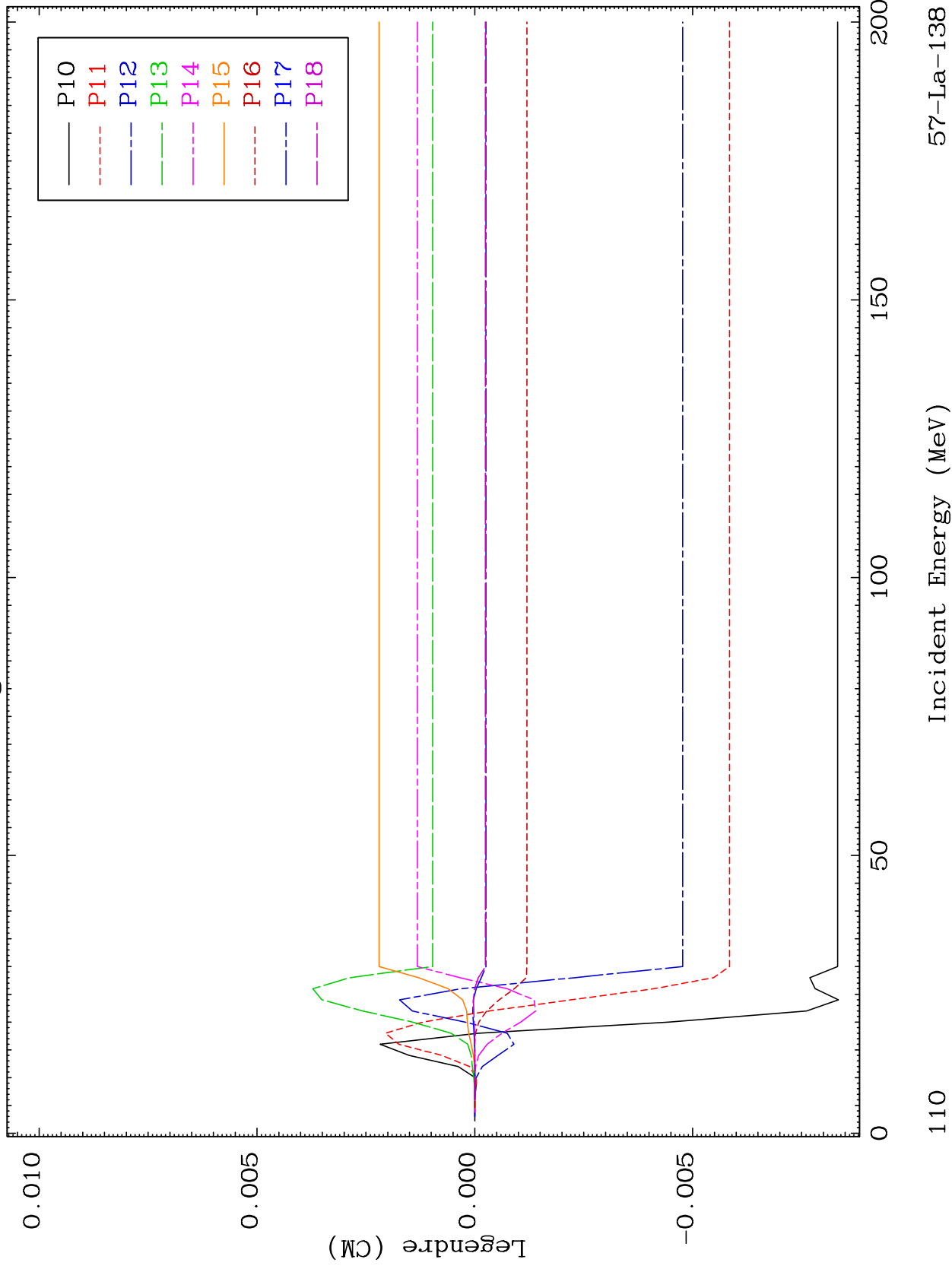
Incident Energy (MeV)

57-La-138

MAT 5725

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

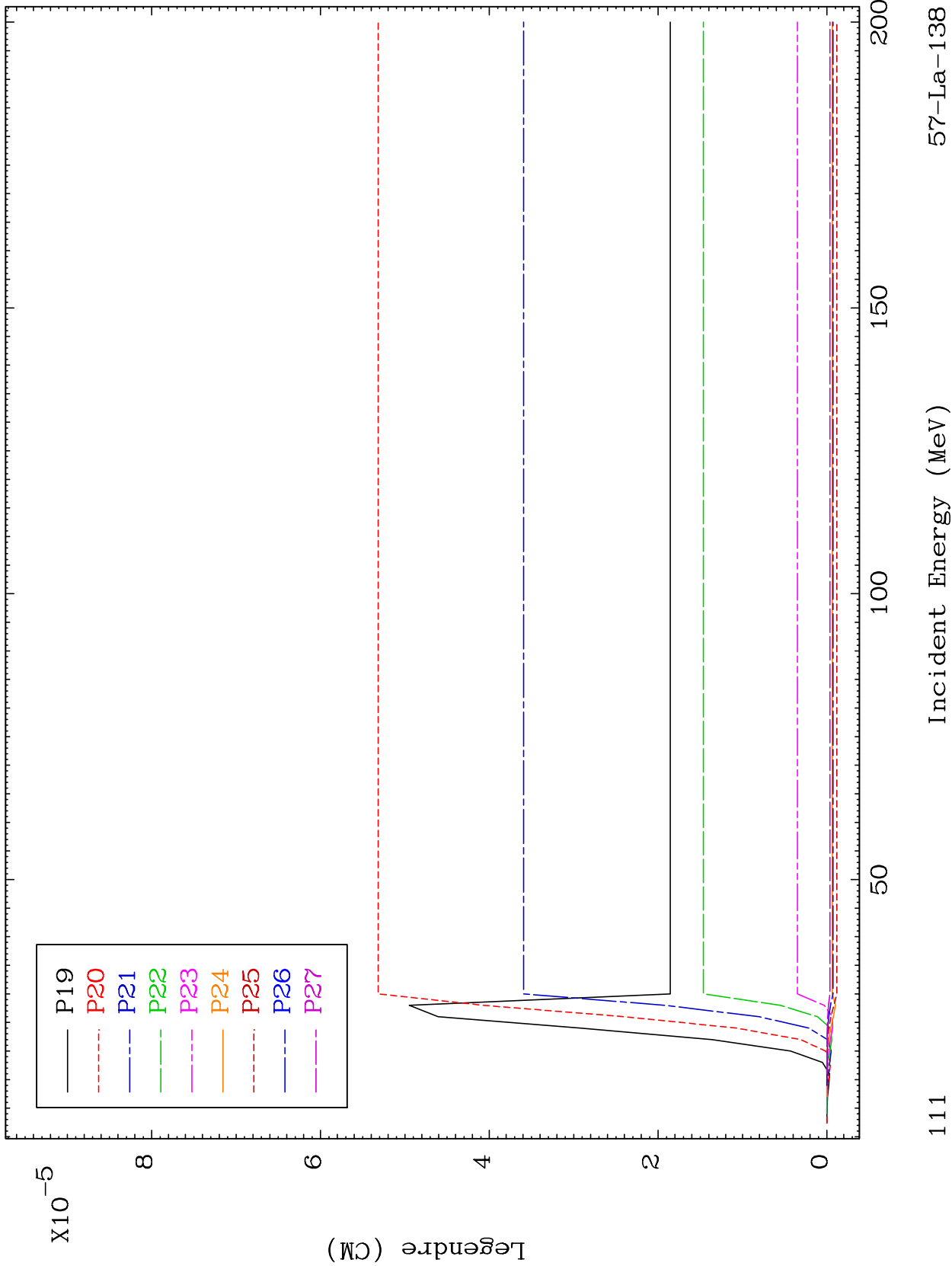
57-La-138

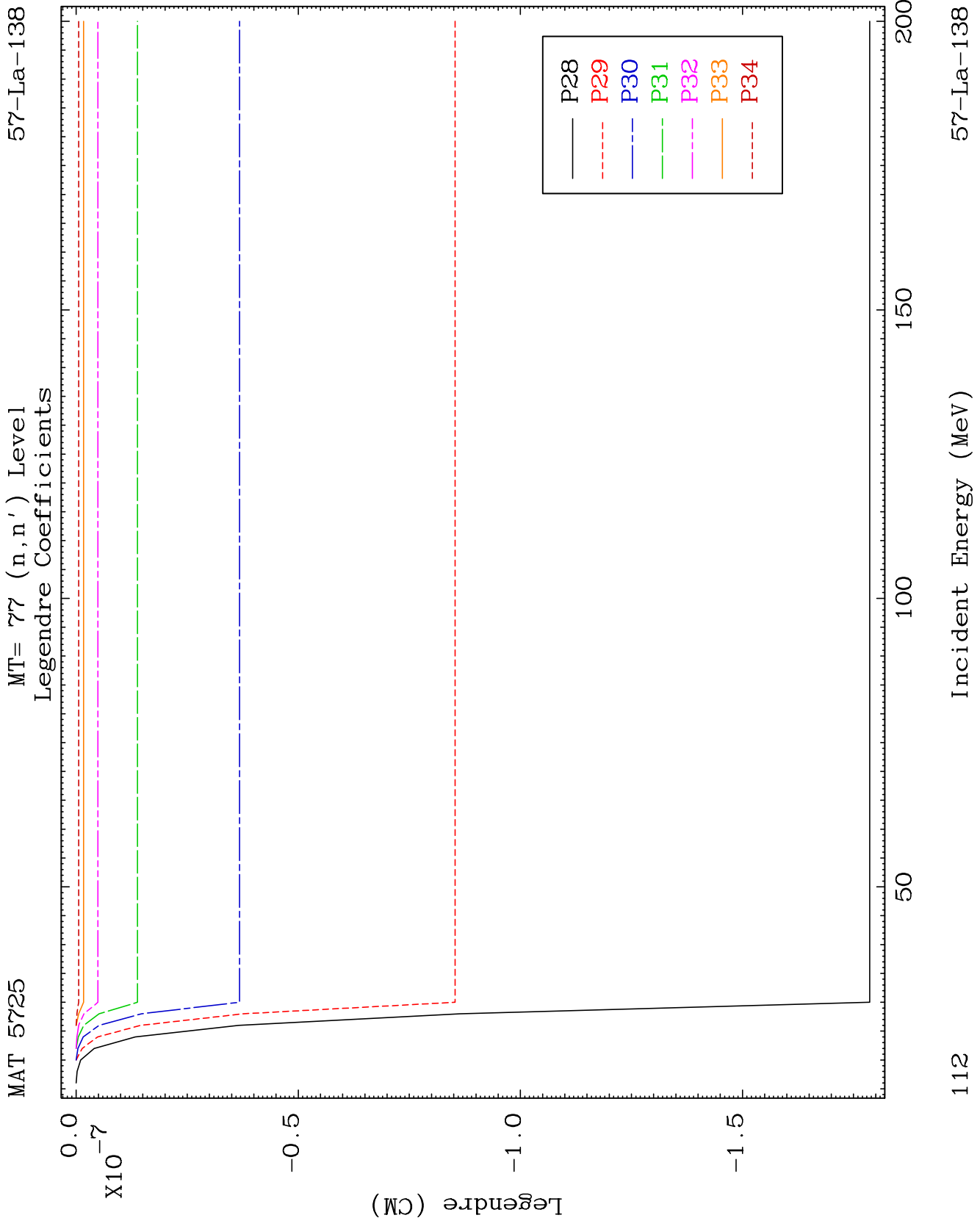


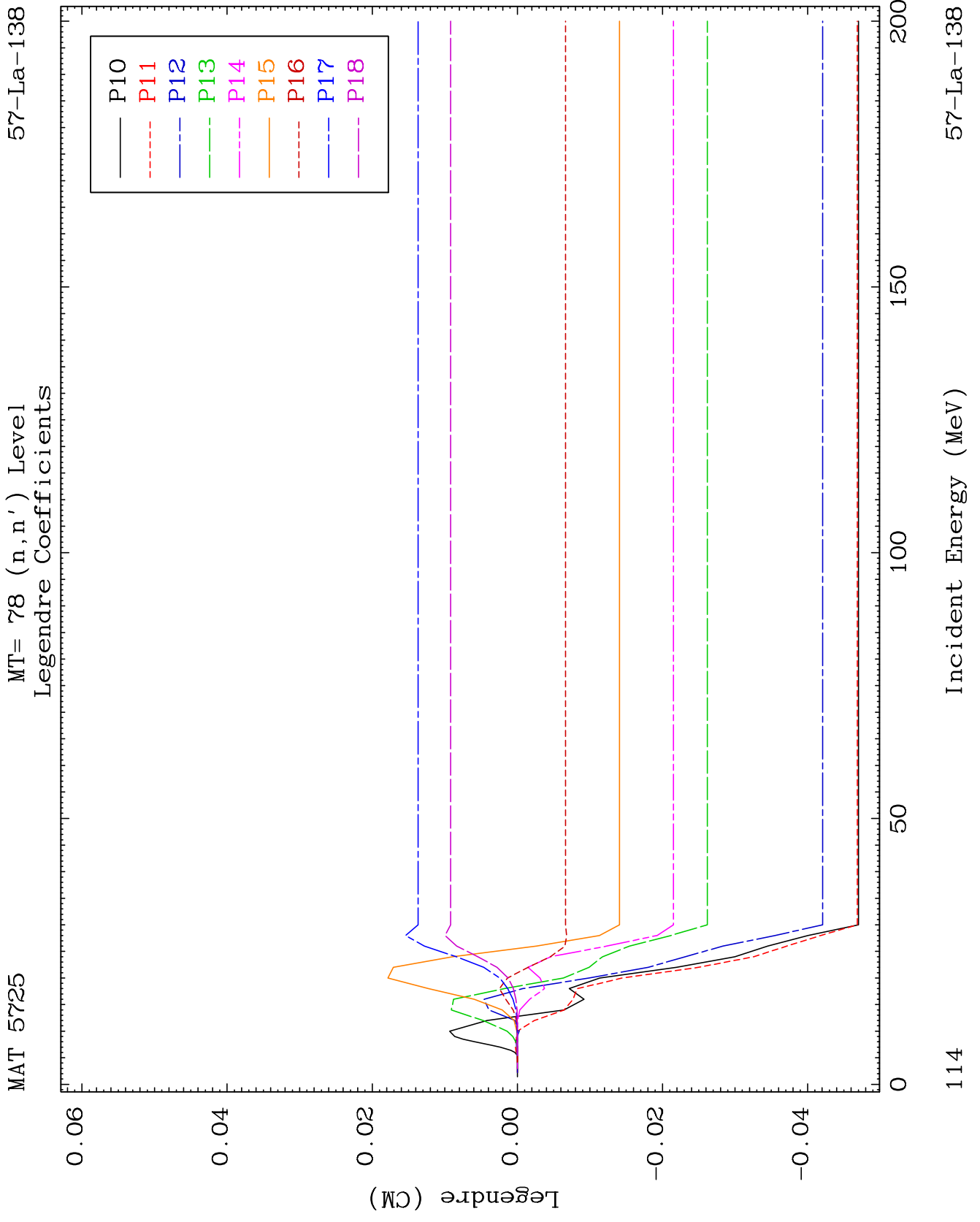
57-La-138

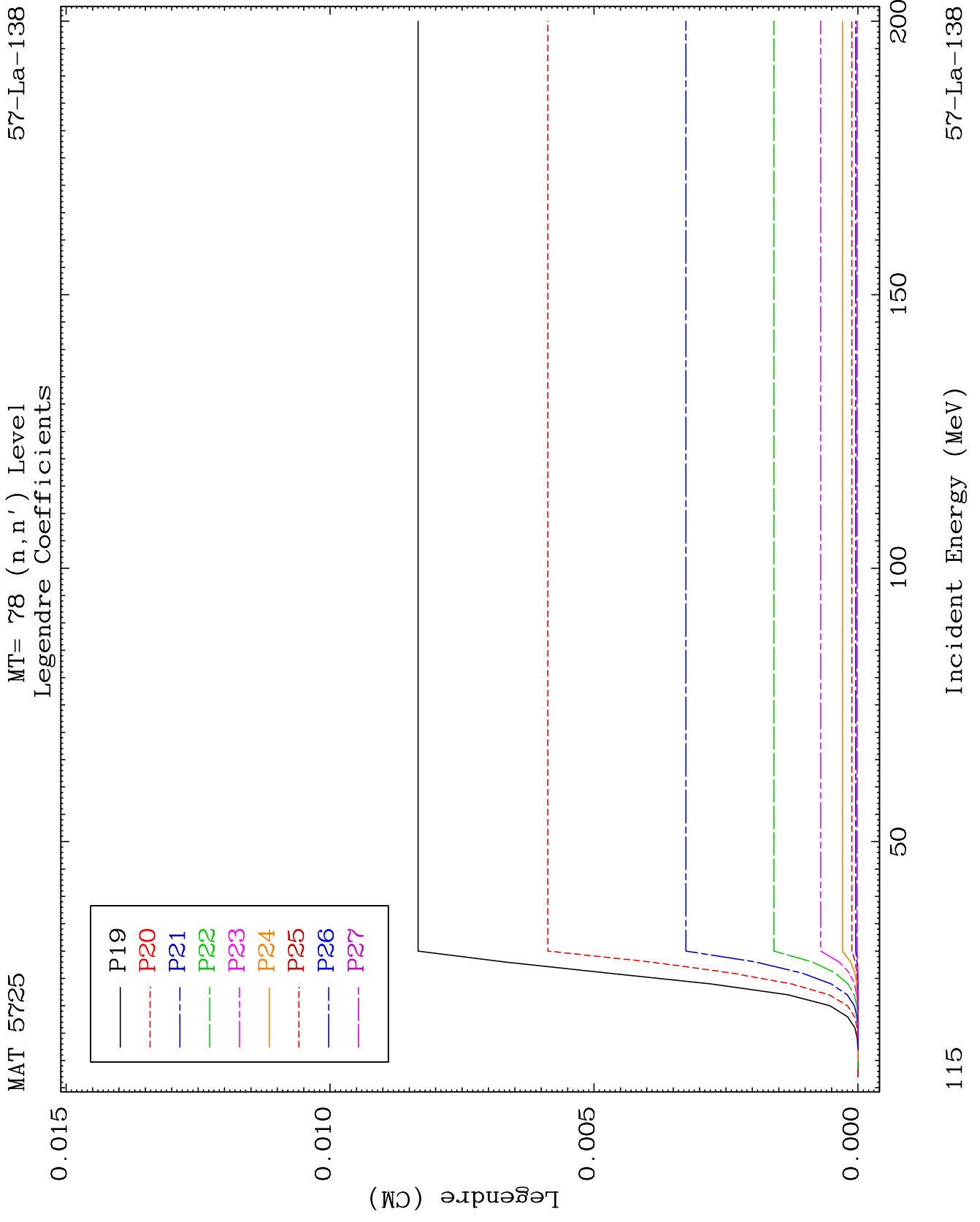
Incident Energy (MeV)

110





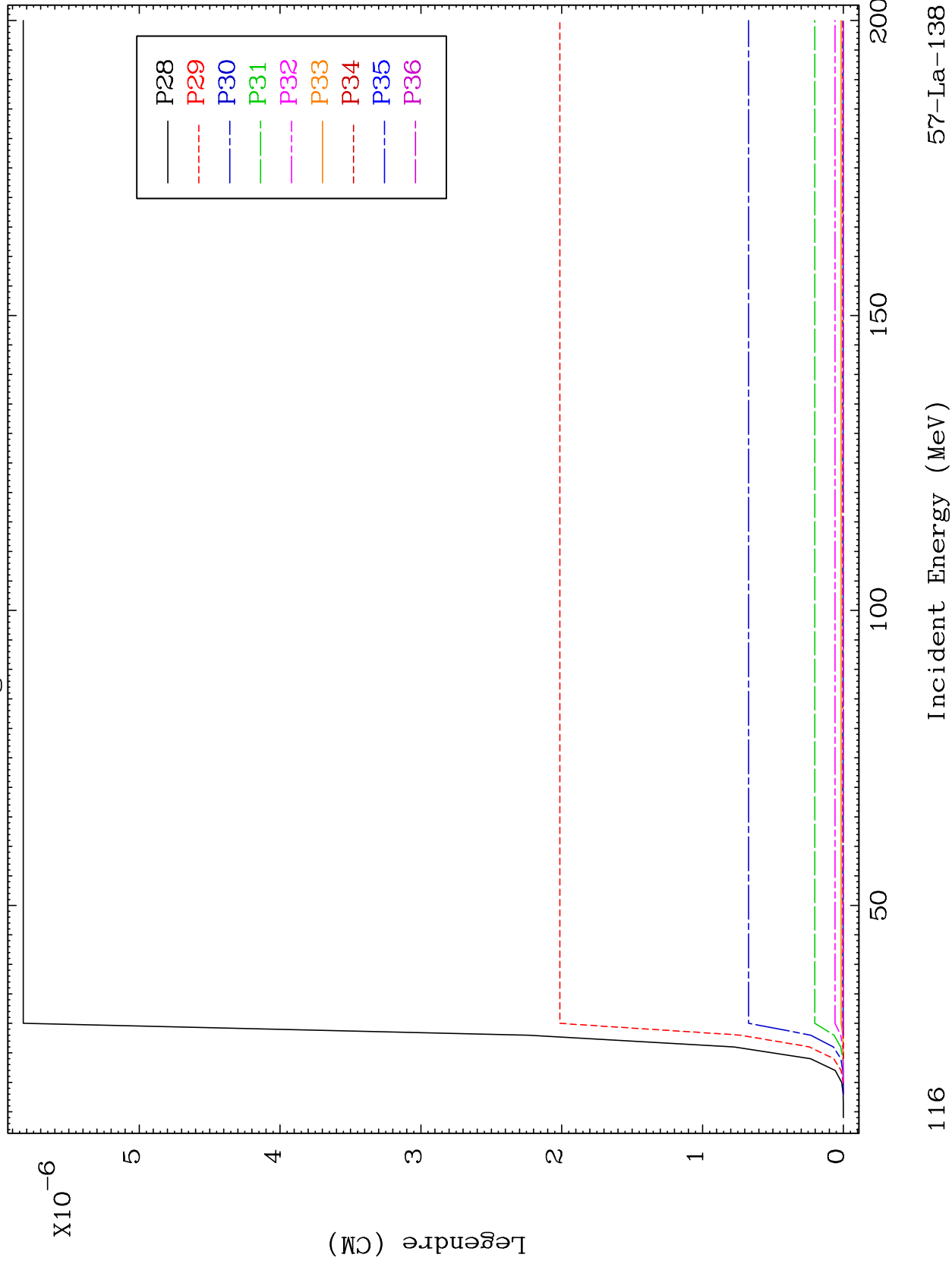




MAT 5725

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

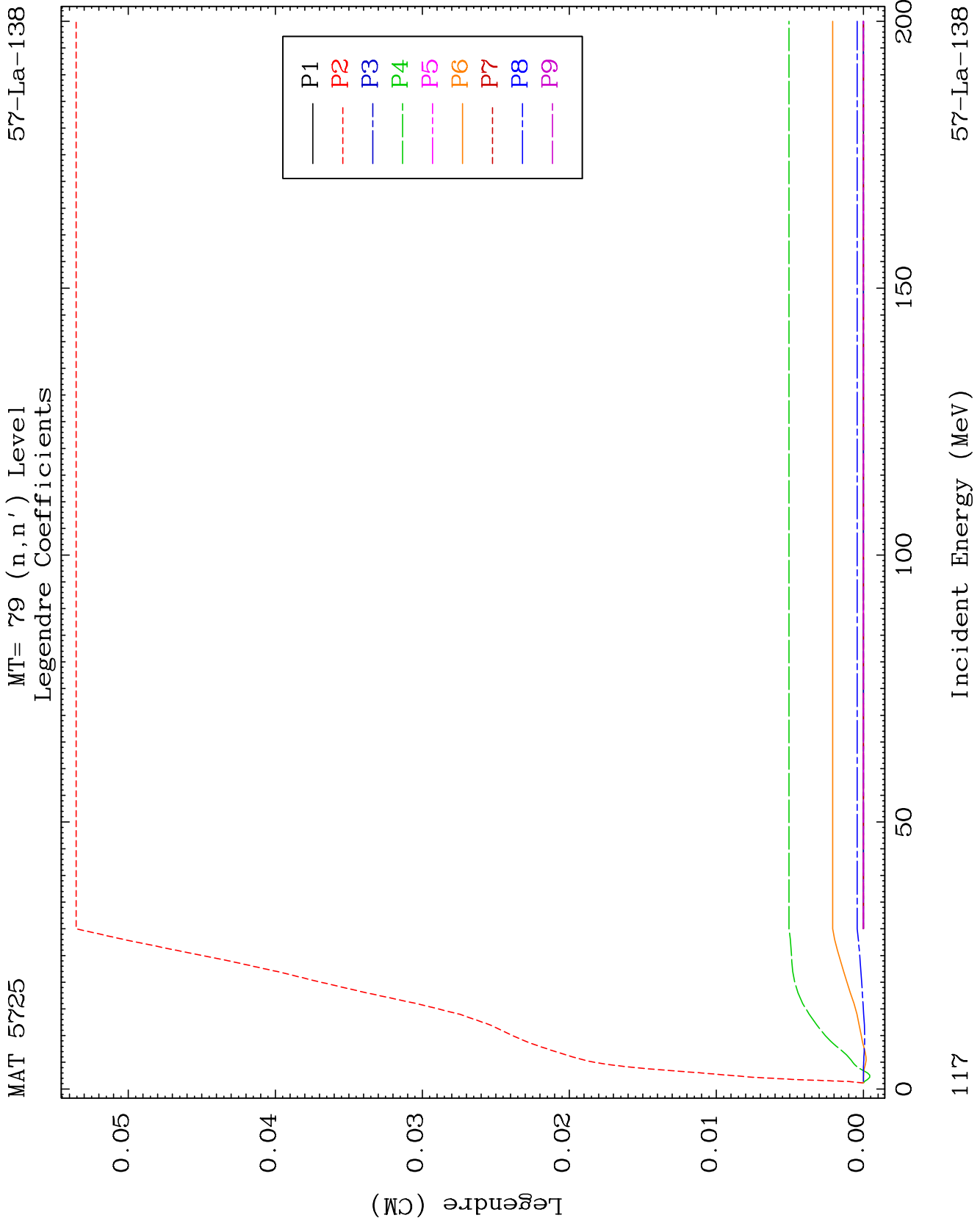
57-La-138



116

Incident Energy (MeV)

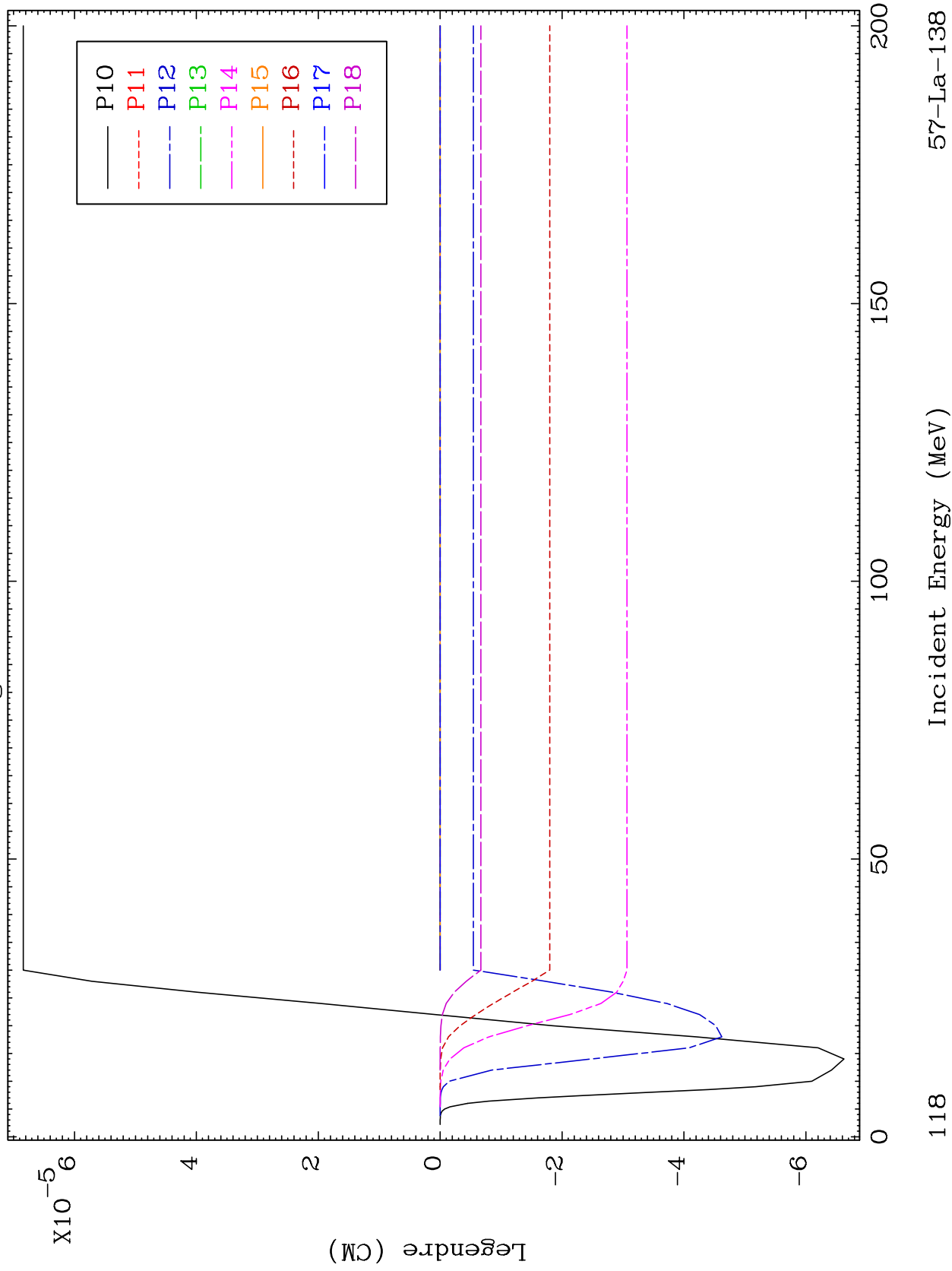
57-La-138



MAT 5725

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

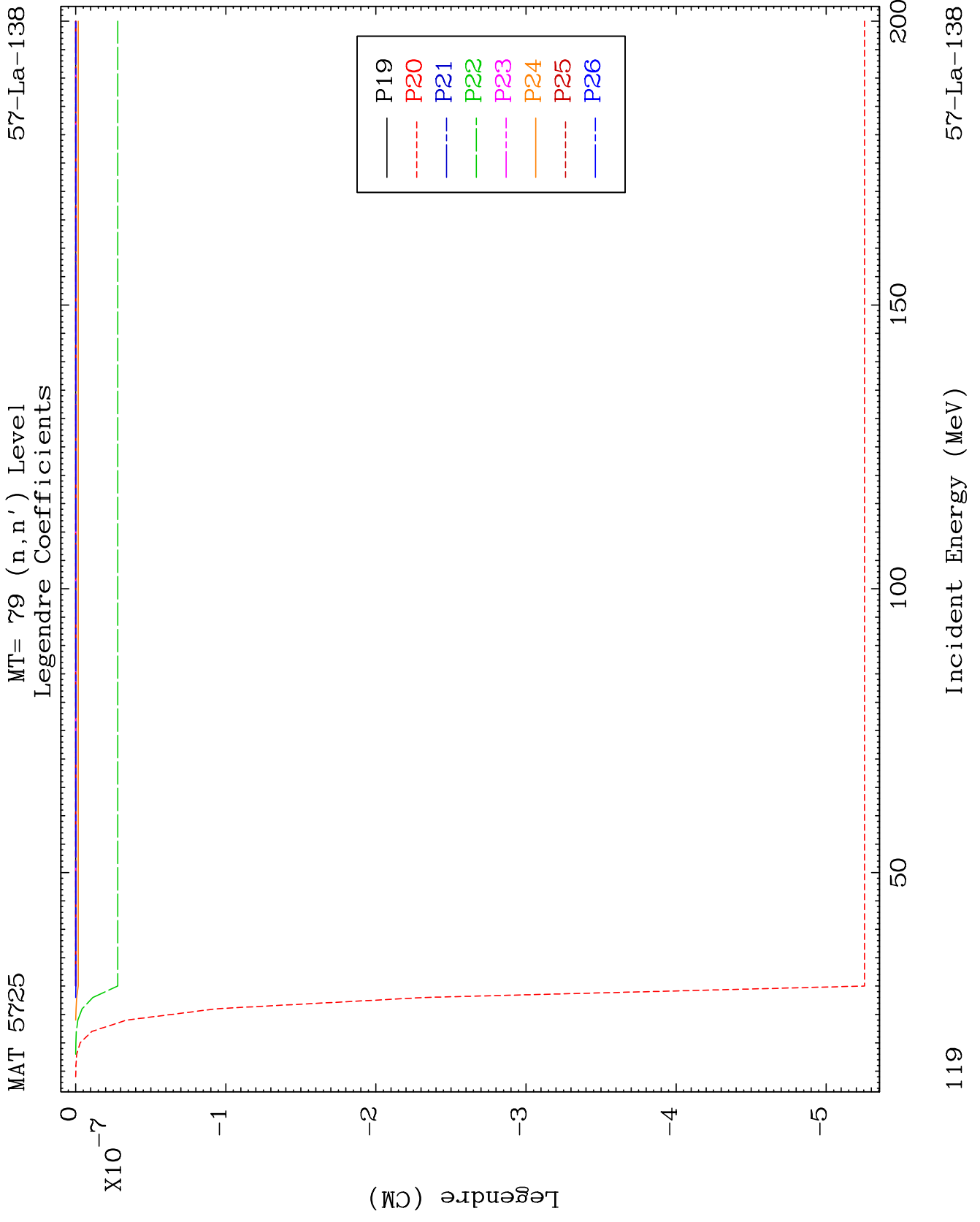
57-La-138



118

Incident Energy (MeV)

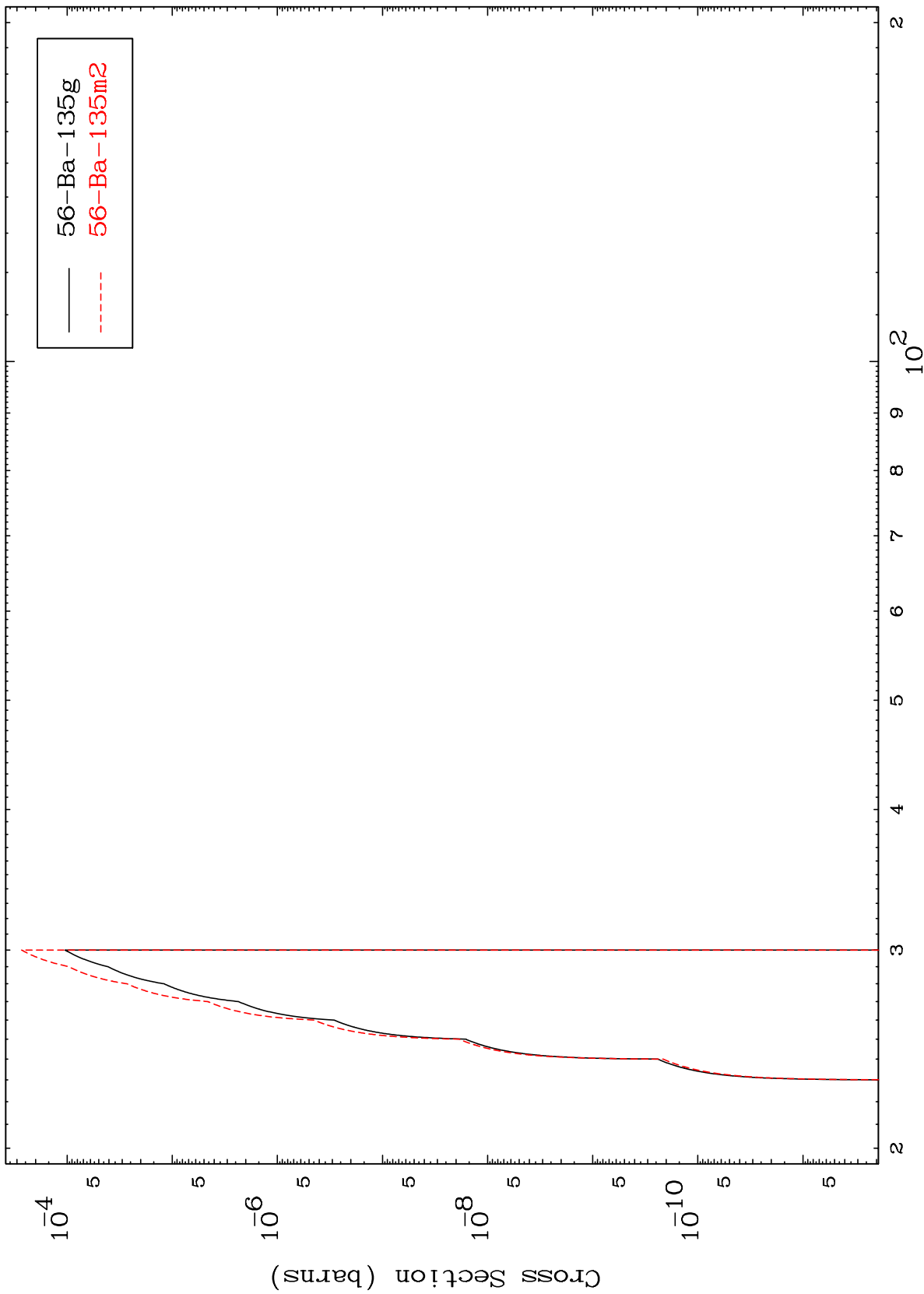
57-La-138



MAT 5725

57-La-138

(n,2n) d
Radionuclide Production Cross Section



57-La-138

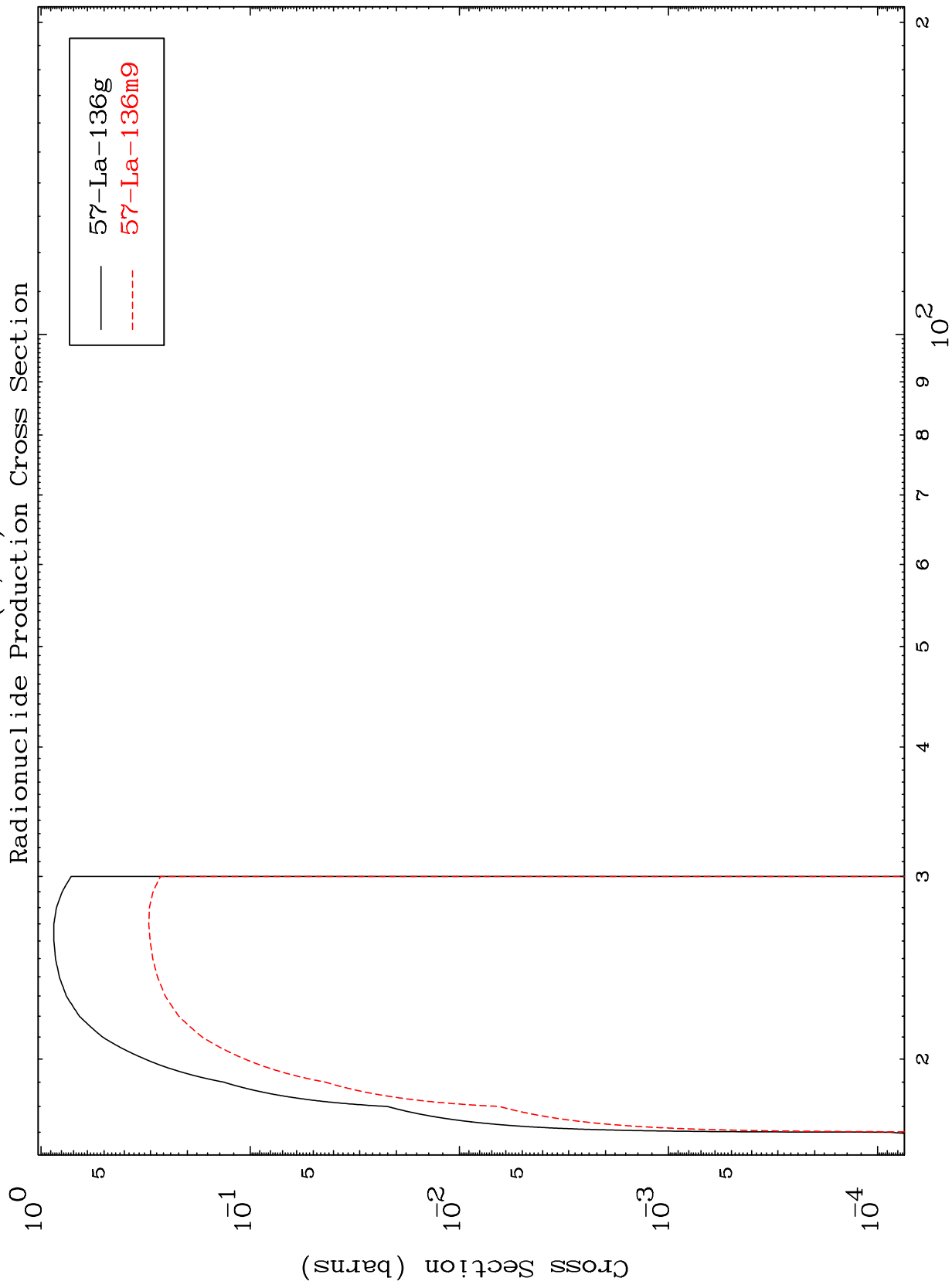
Incident Energy (MeV)

120

MAT 5725

57-La-138

(n,3n)
Radionuclide Production Cross Section



121

Incident Energy (MeV)

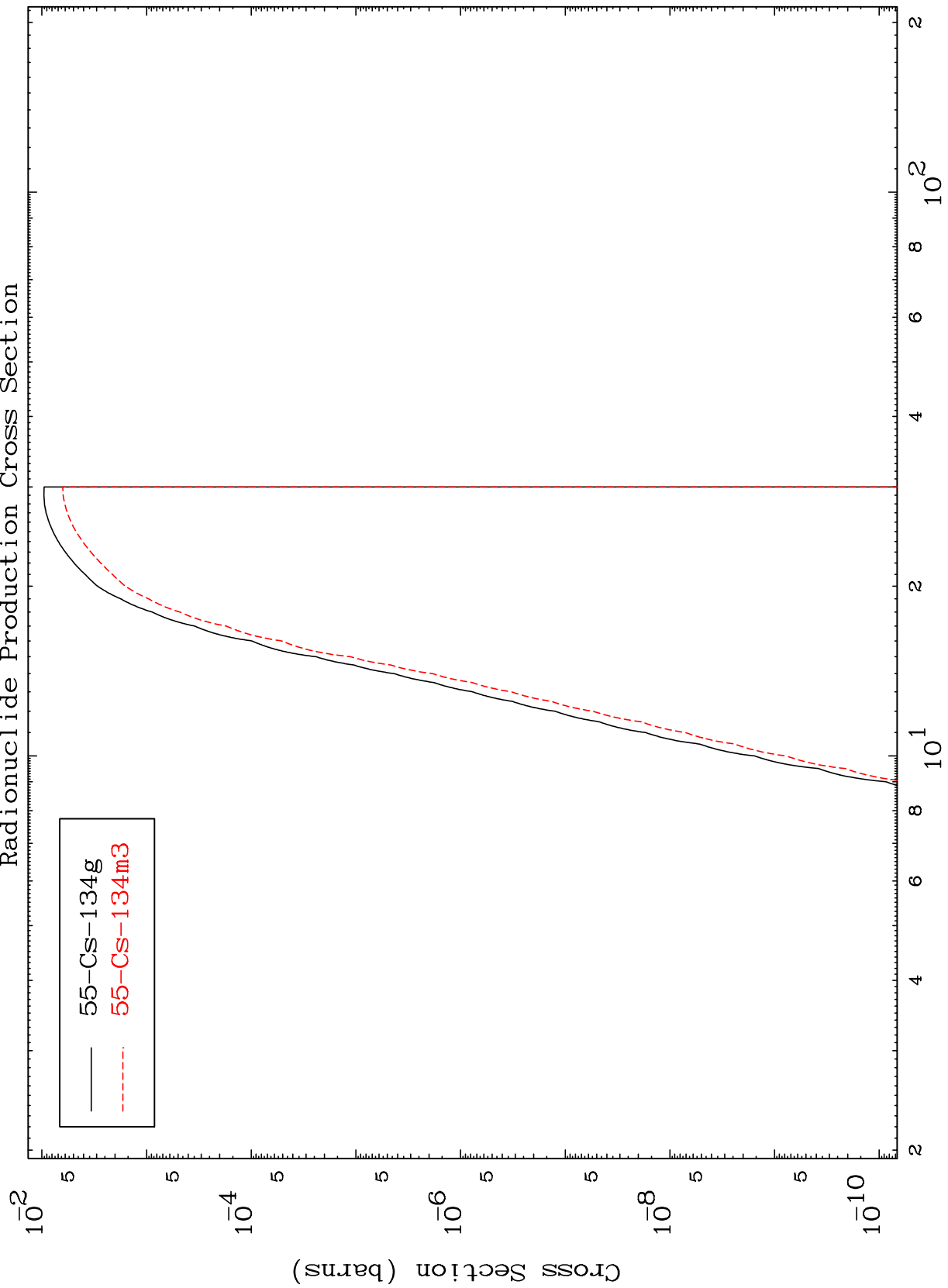
57-La-138

MAT 5725

(n,n') α

57-La-138

Radionuclide Production Cross Section



122

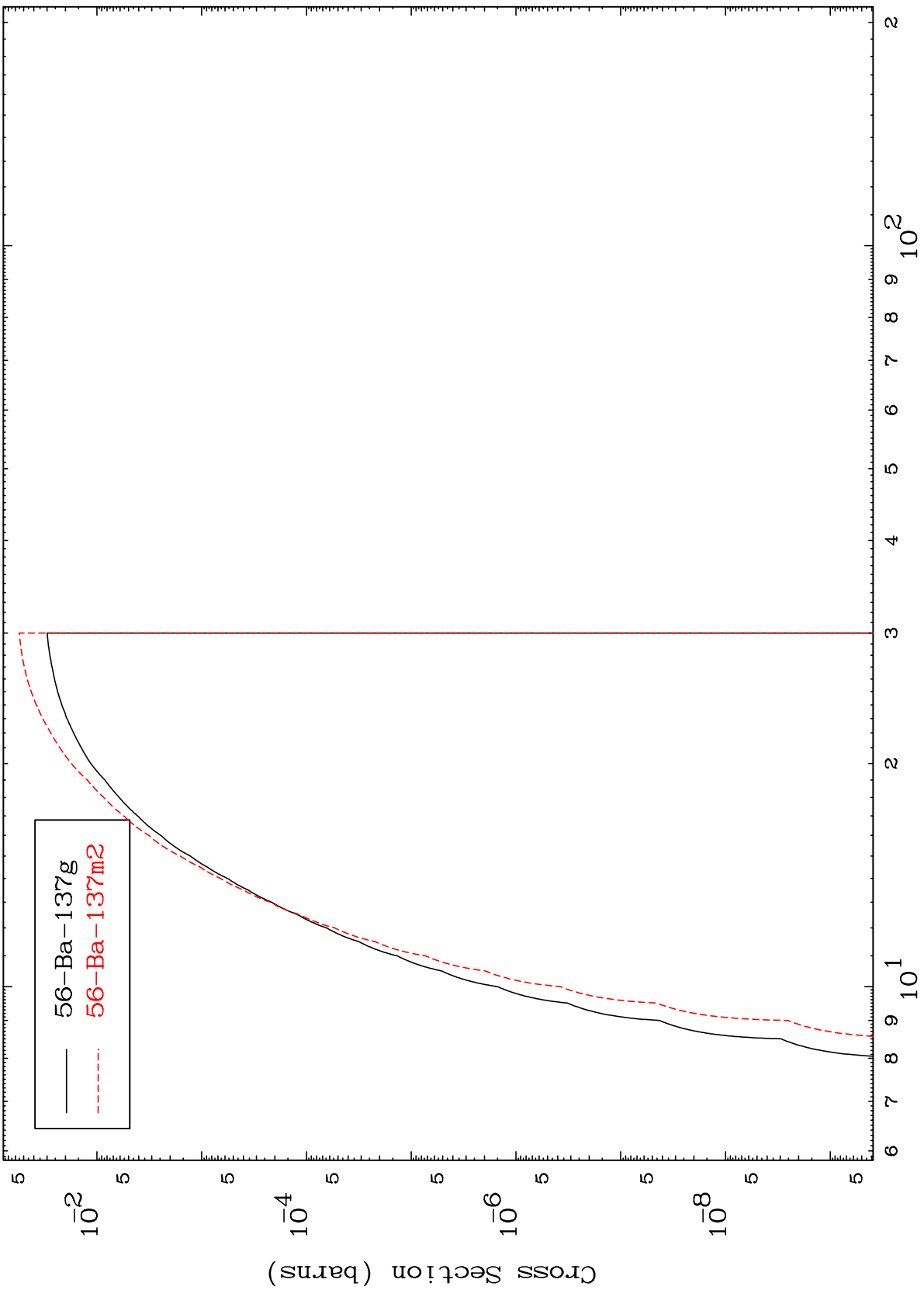
Incident Energy (MeV)

57-La-138

MAT 5725

57-La-138

(n,n') p
Radionuclide Production Cross Section



56-Ba-137g
56-Ba-137m2

57-La-138

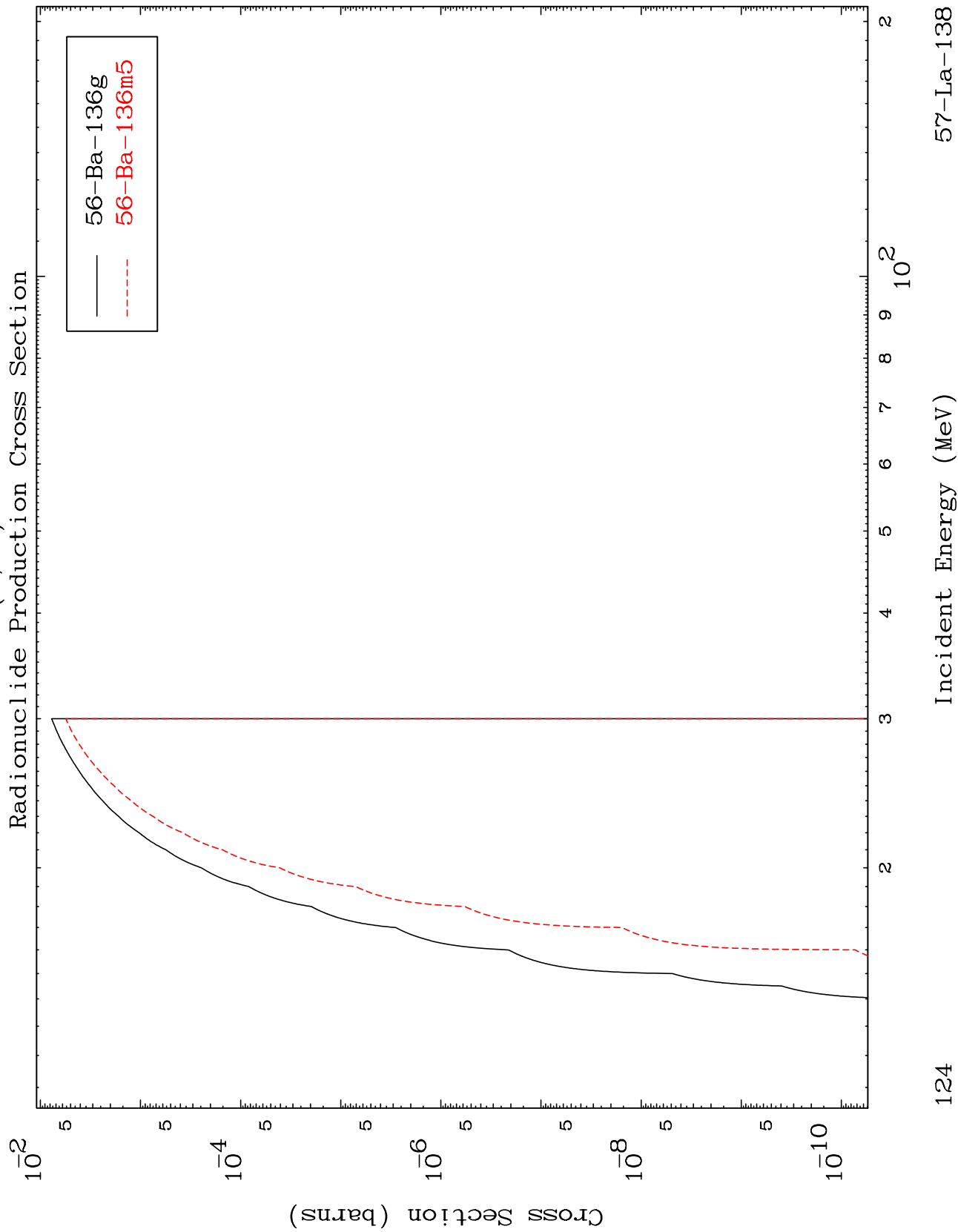
Incident Energy (MeV)

123

MAT 5725

(n,n') d

57-La-138



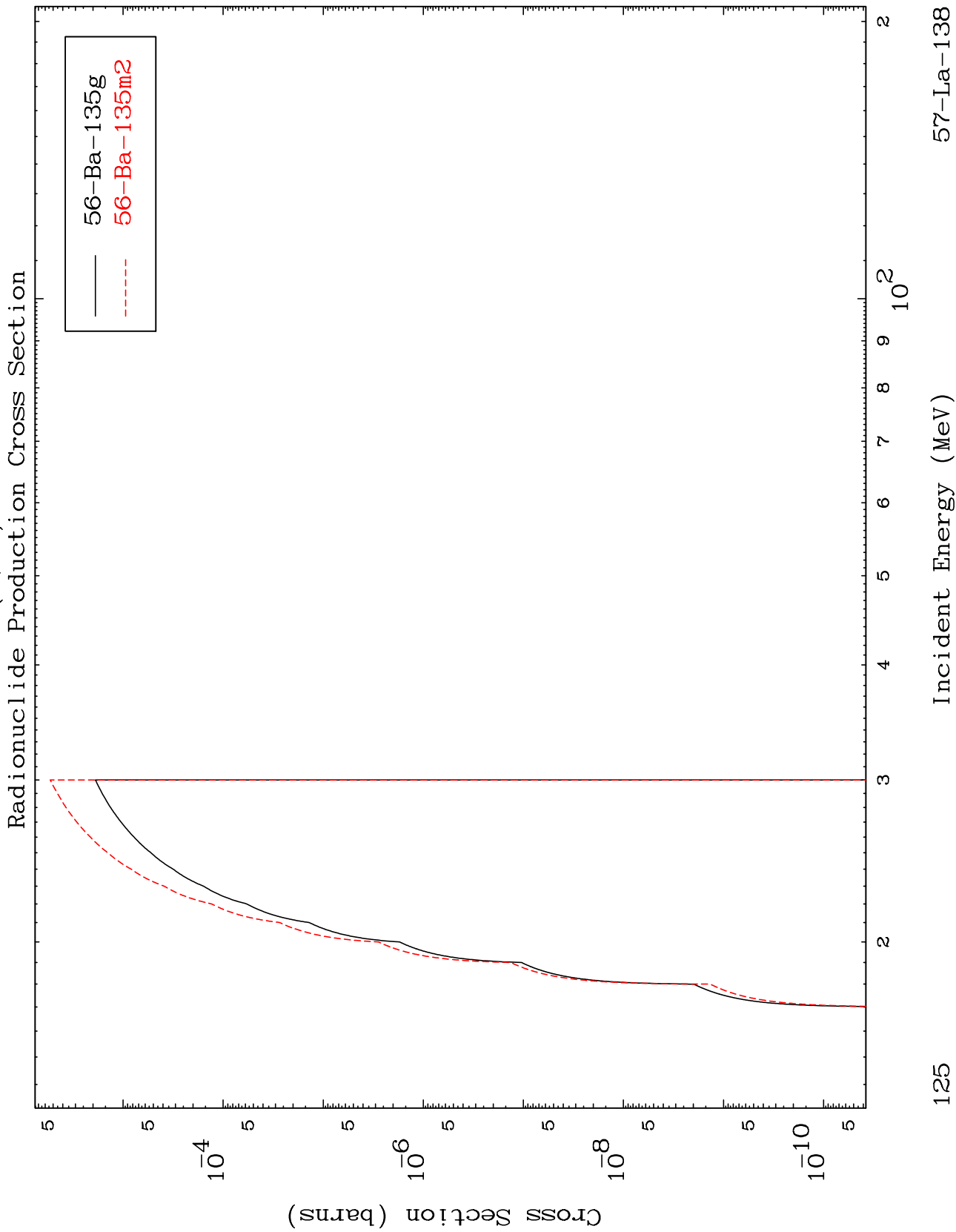
124

57-La-138

MAT 5725

(n,n') t

57-La-138



125

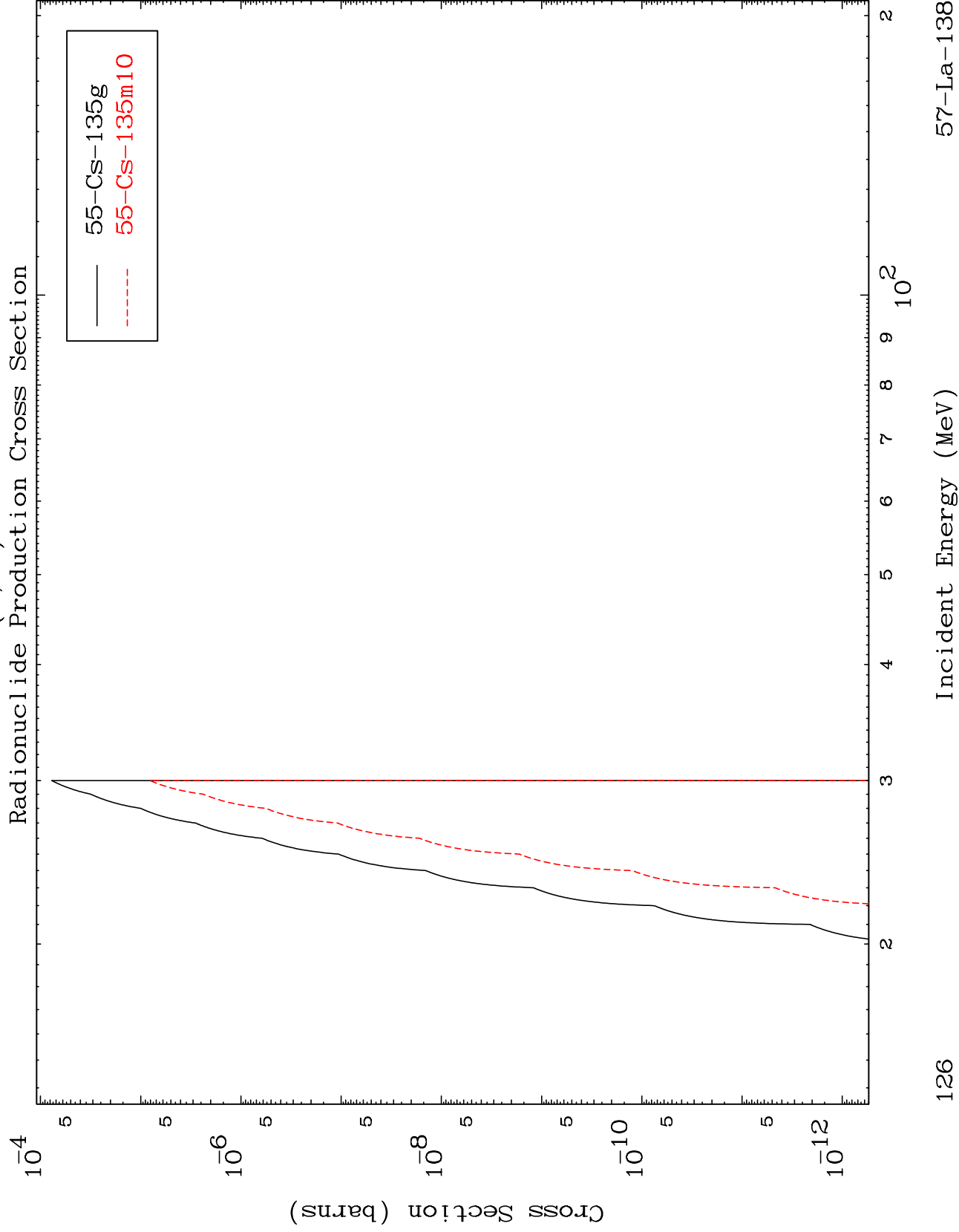
Incident Energy (MeV)

57-La-138

MAT 5725

(n,n') He-3

57-La-138



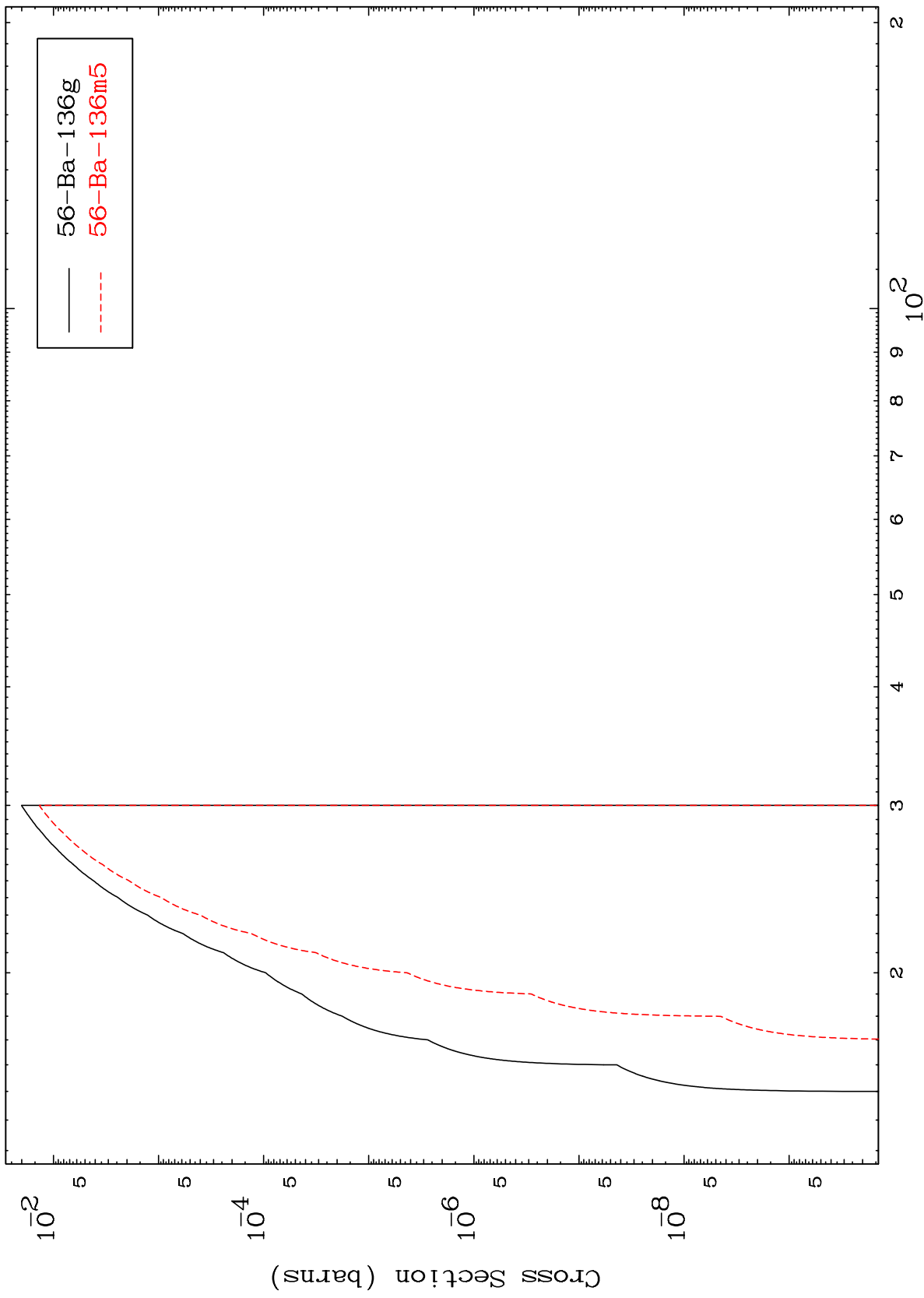
126

57-La-138

MAT 5725

57-La-138

(n,2n) p
Radionuclide Production Cross Section



127

57-La-138

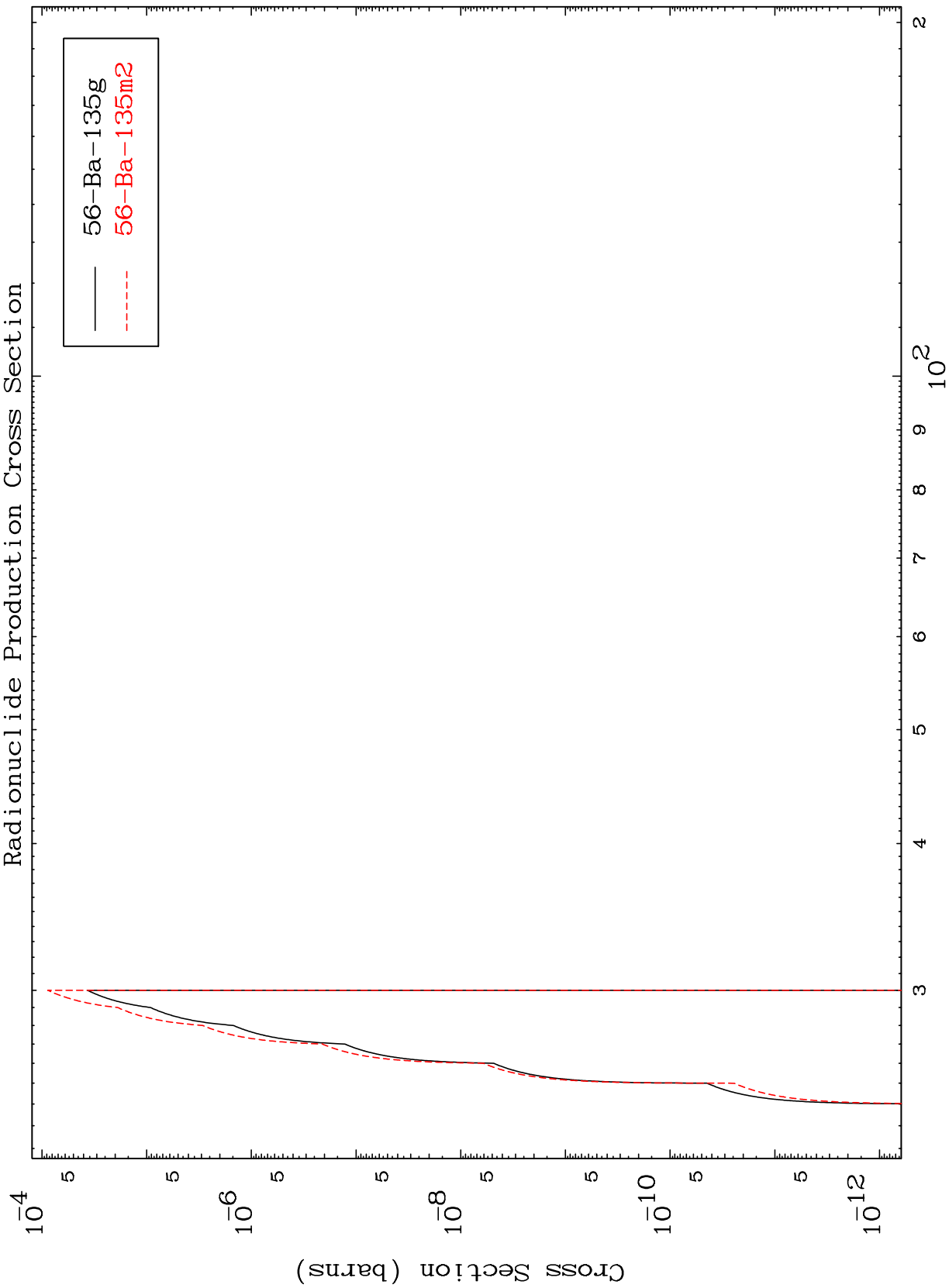
Incident Energy (MeV)

MAT 5725

(n,3n) p

57-La-138

Radionuclide Production Cross Section



128

Incident Energy (MeV)

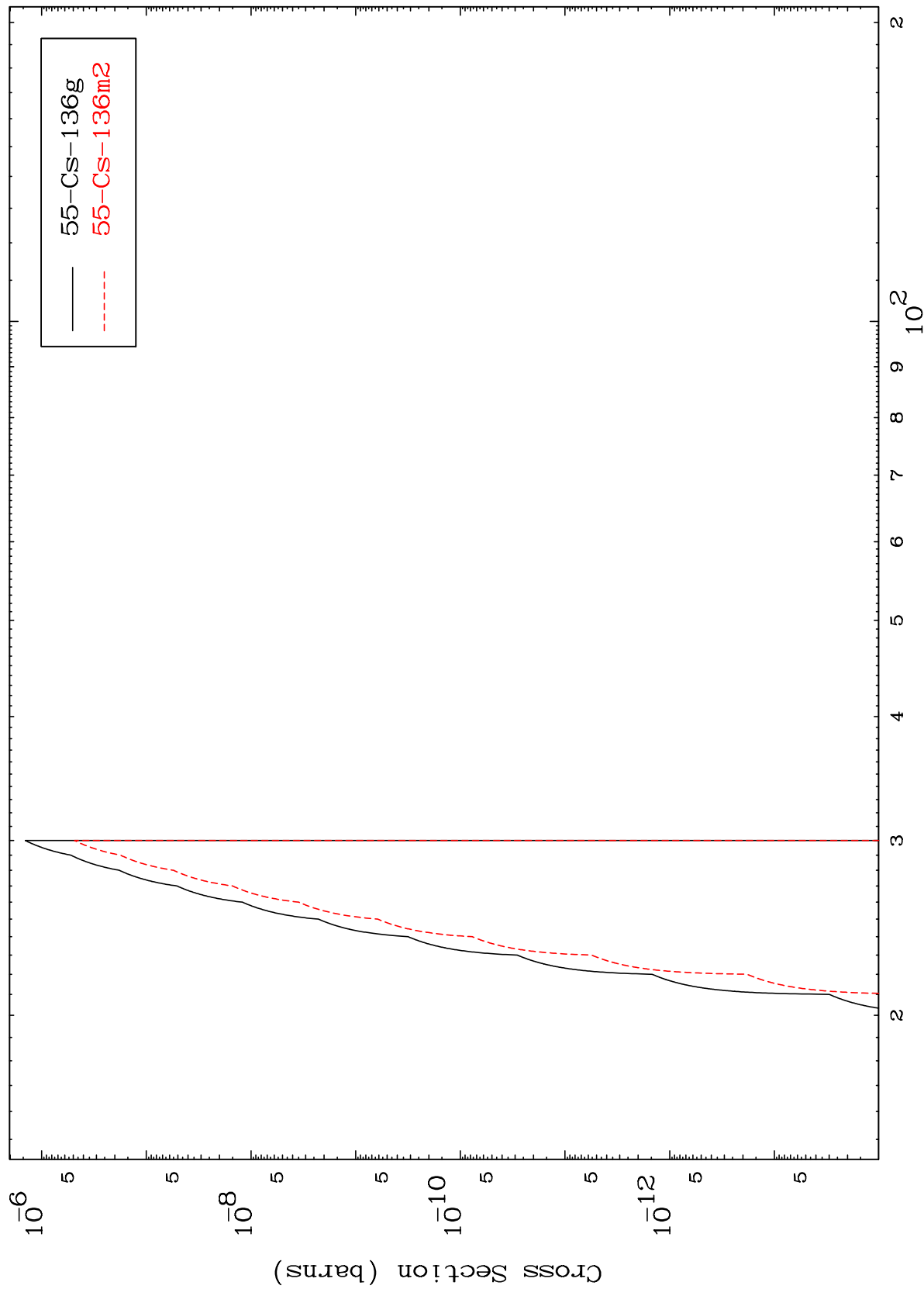
57-La-138

MAT 5725

(n,2n) p

57-La-138

Radionuclide Production Cross Section



55-Cs-136g
55-Cs-136m2

129

Incident Energy (MeV)

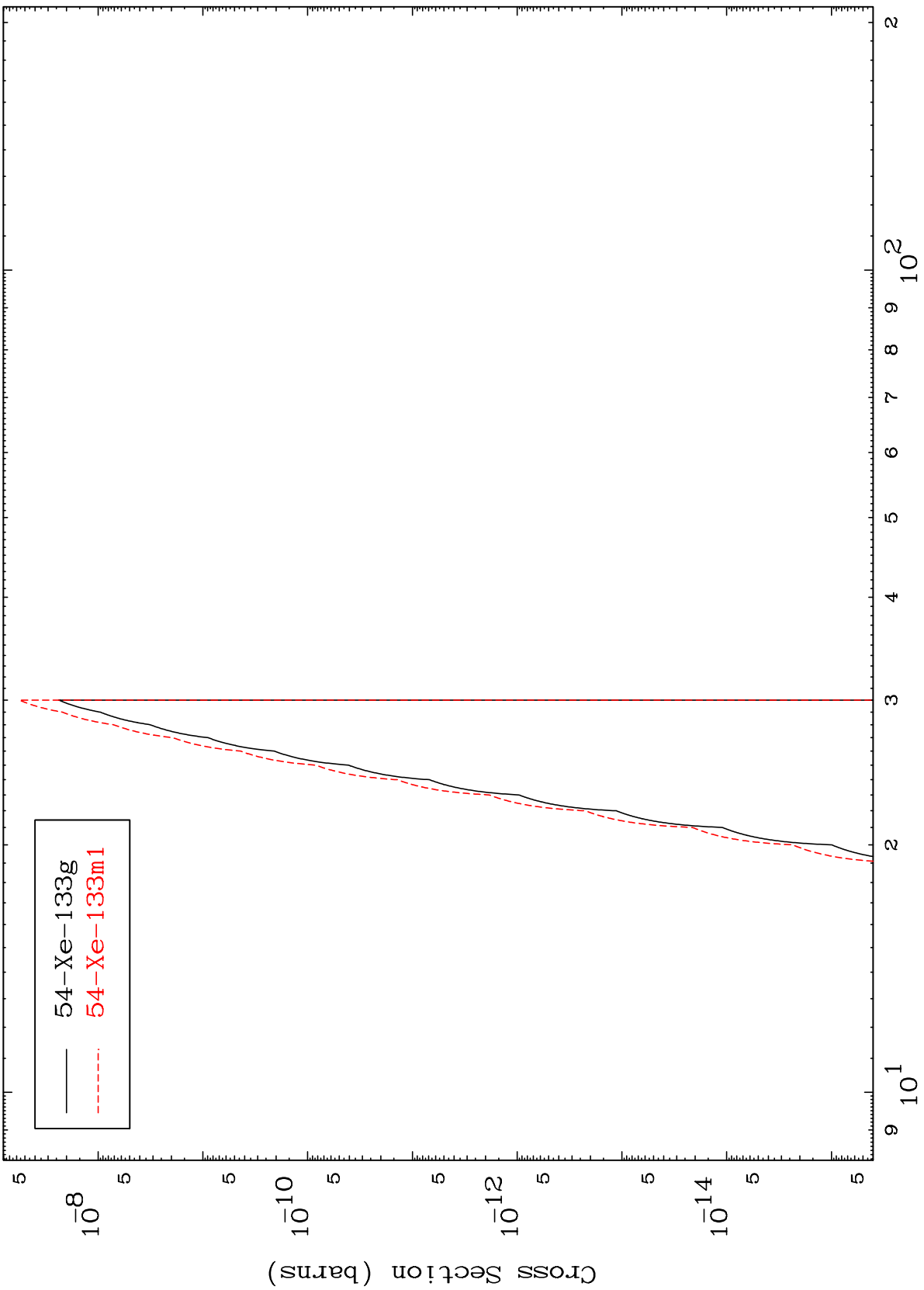
57-La-138

MAT 5725

(n,n') p α

57-La-138

Radionuclide Production Cross Section



130

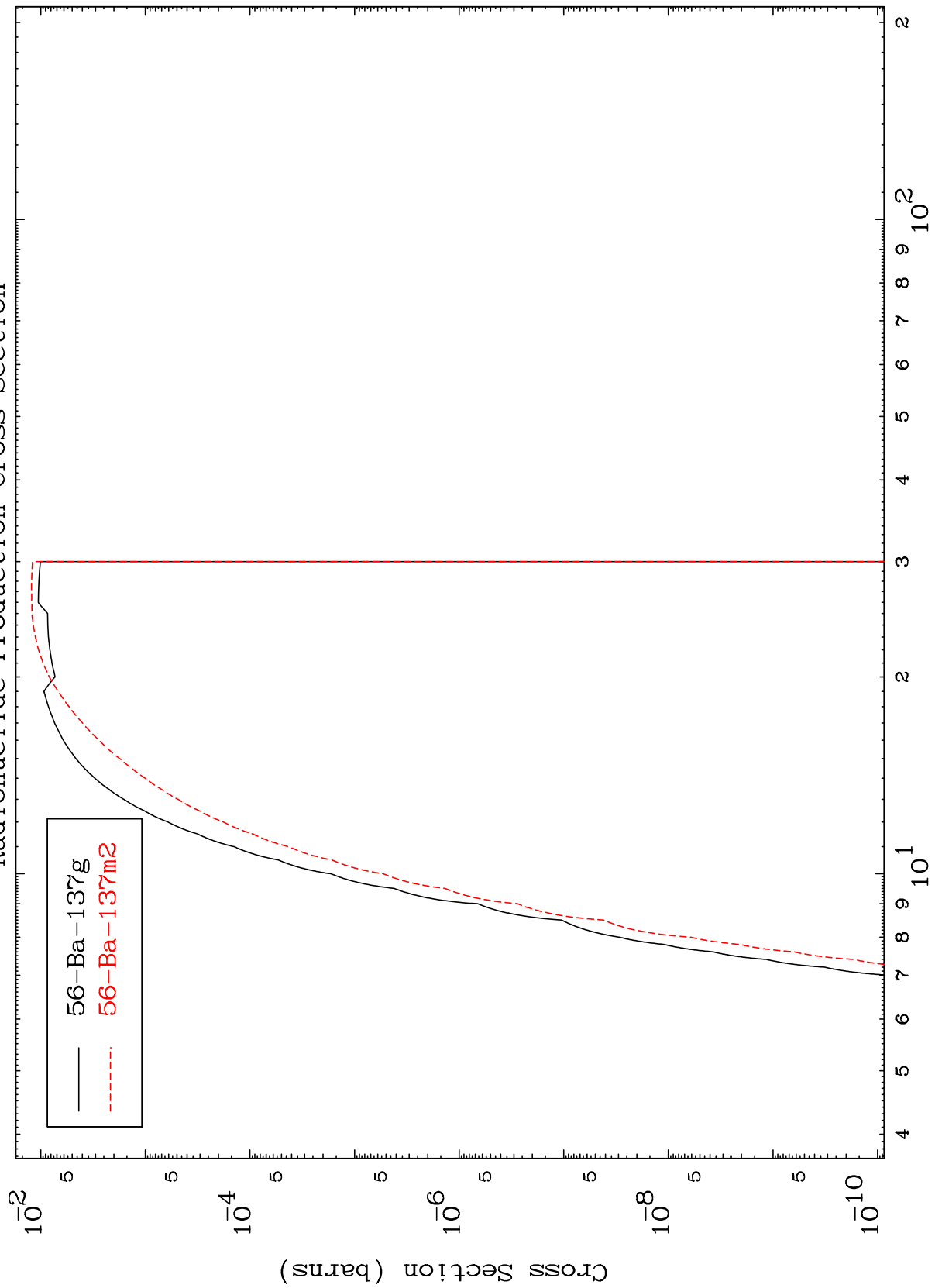
Incident Energy (MeV)

57-La-138

MAT 5725

57-La-138

(n,d)
Radionuclide Production Cross Section



131

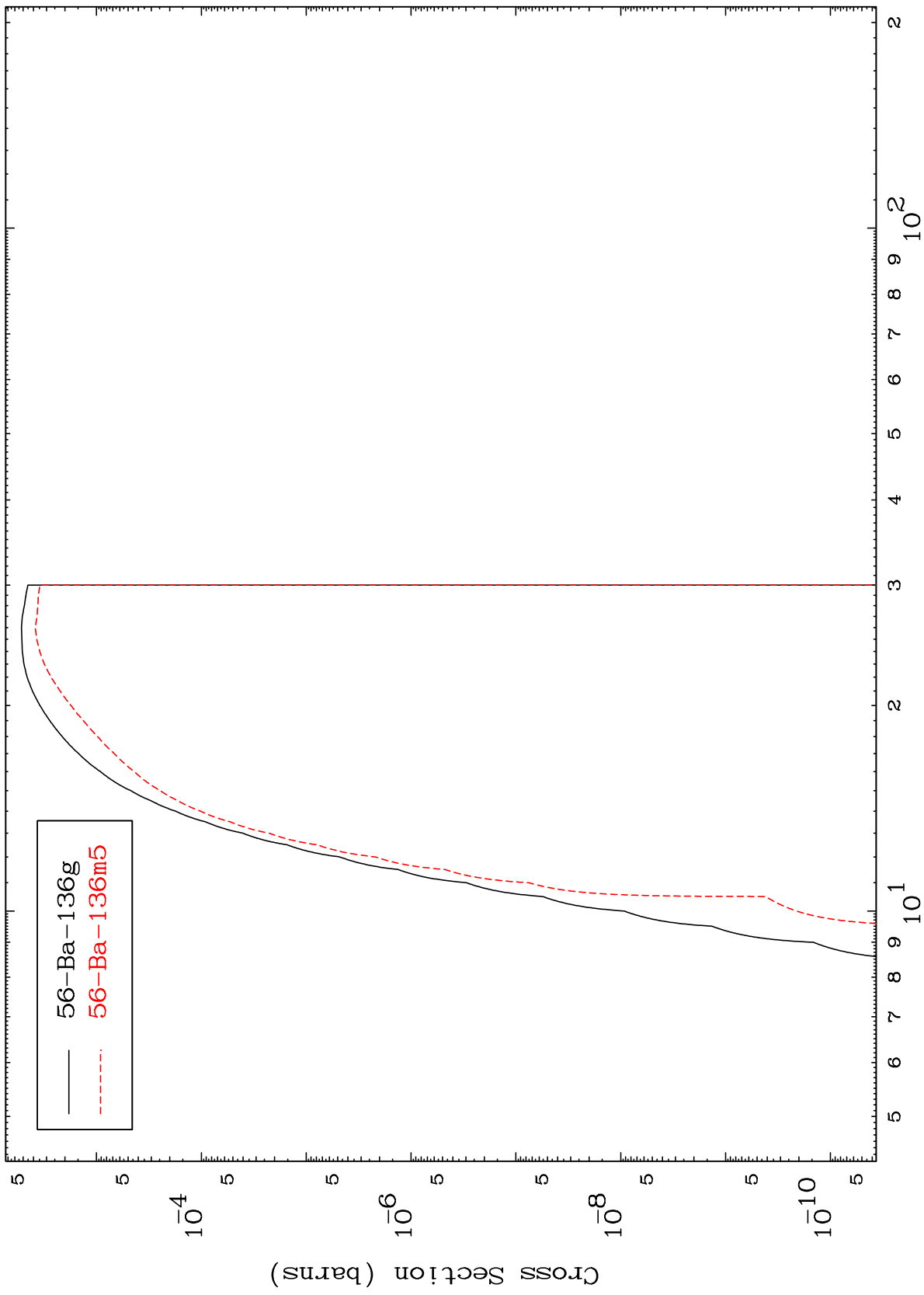
Incident Energy (MeV)

57-La-138

MAT 5725

57-La-138

Radionuclide Production Cross Section (n,t)



132

Incident Energy (MeV)

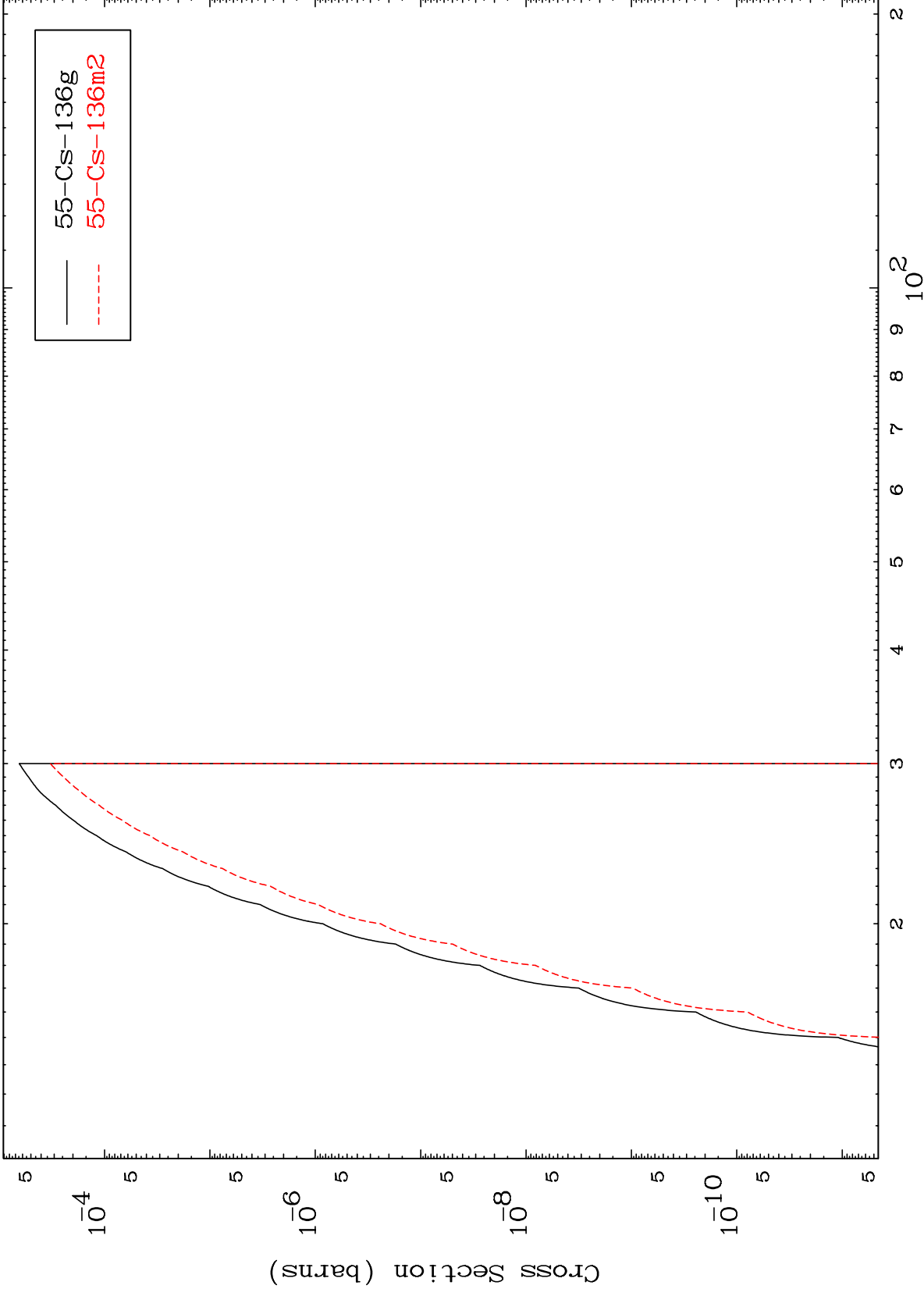
57-La-138

MAT 5725

(n,He-3)

57-La-138

Radionuclide Production Cross Section



55-Cs-136g
55-Cs-136m2

133

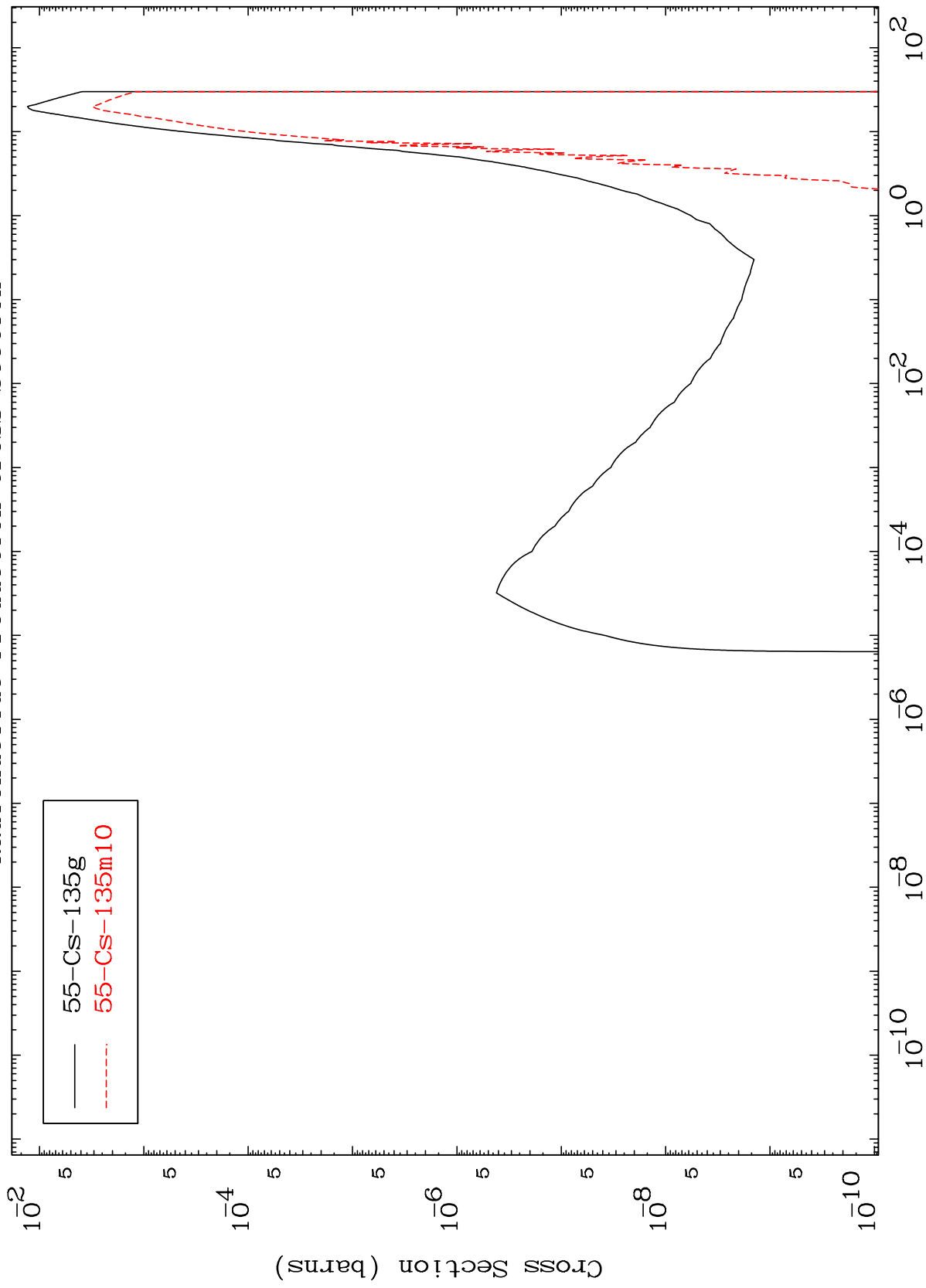
Incident Energy (MeV)

57-La-138

MAT 5725

57-La-138

Radionuclide Production Cross Section



134

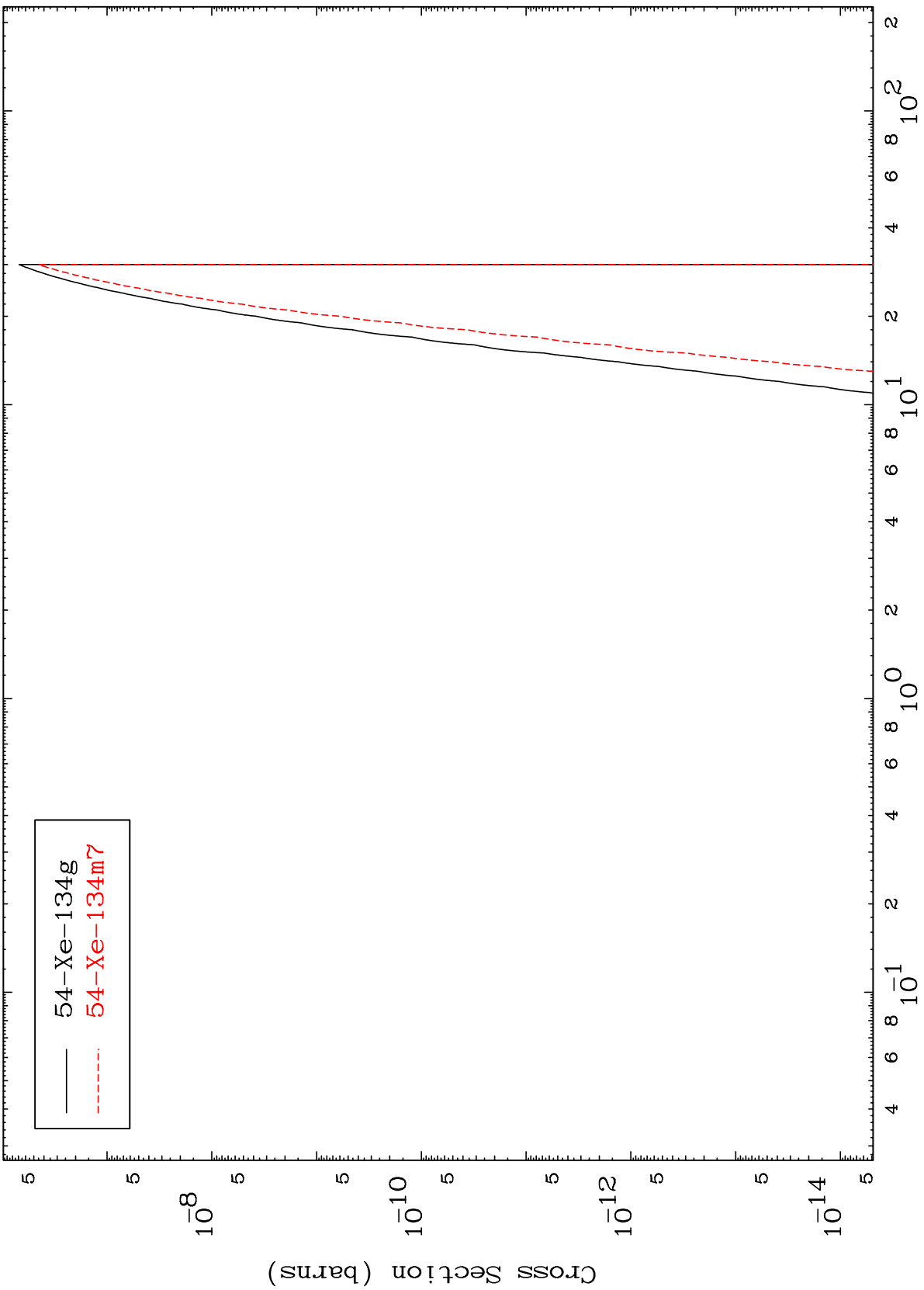
57-La-138

MAT 5725

(n,p) α

57-La-138

Radionuclide Production Cross Section

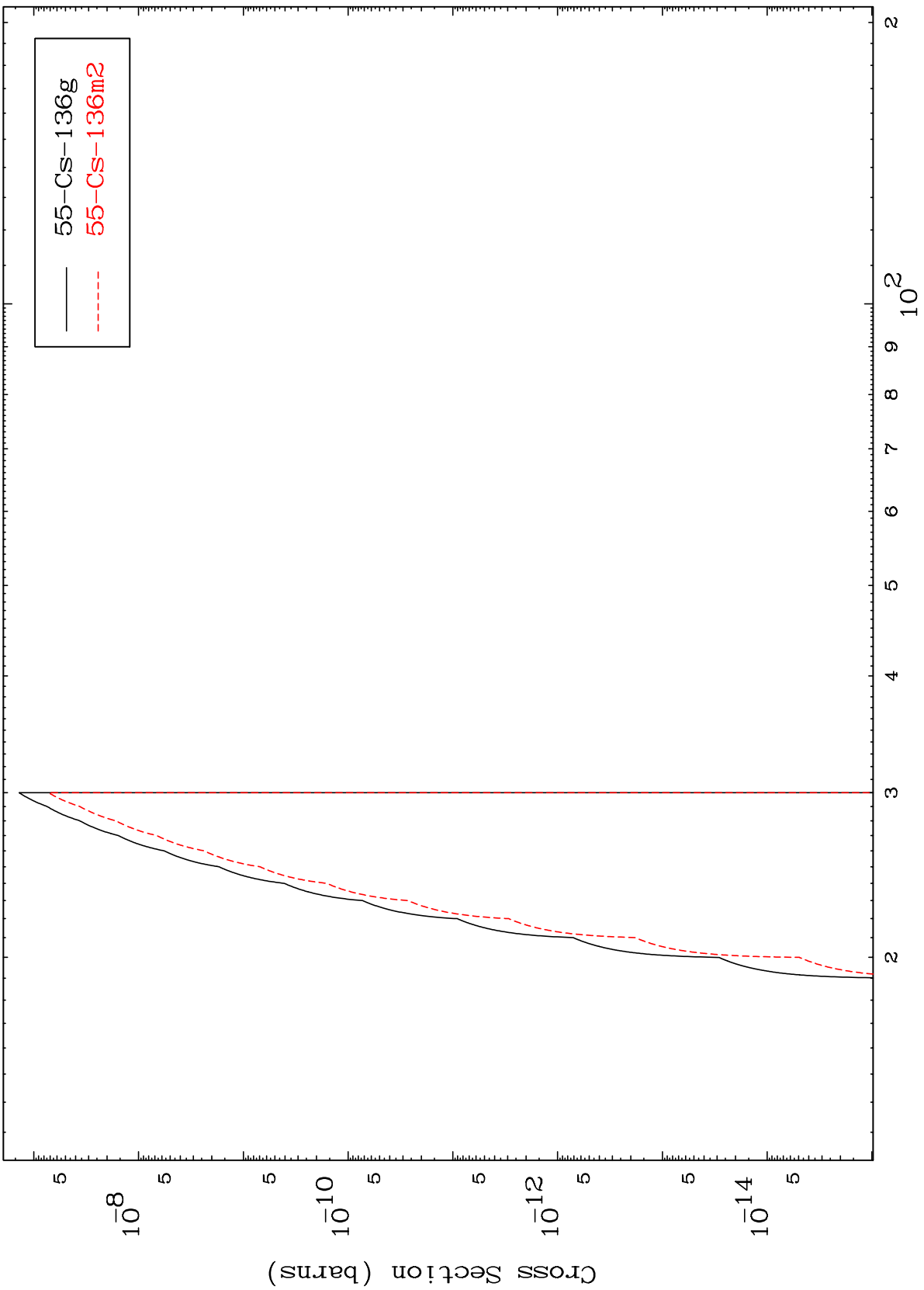


135

Incident Energy (MeV)

57-La-138

Radionuclide Production Cross Section



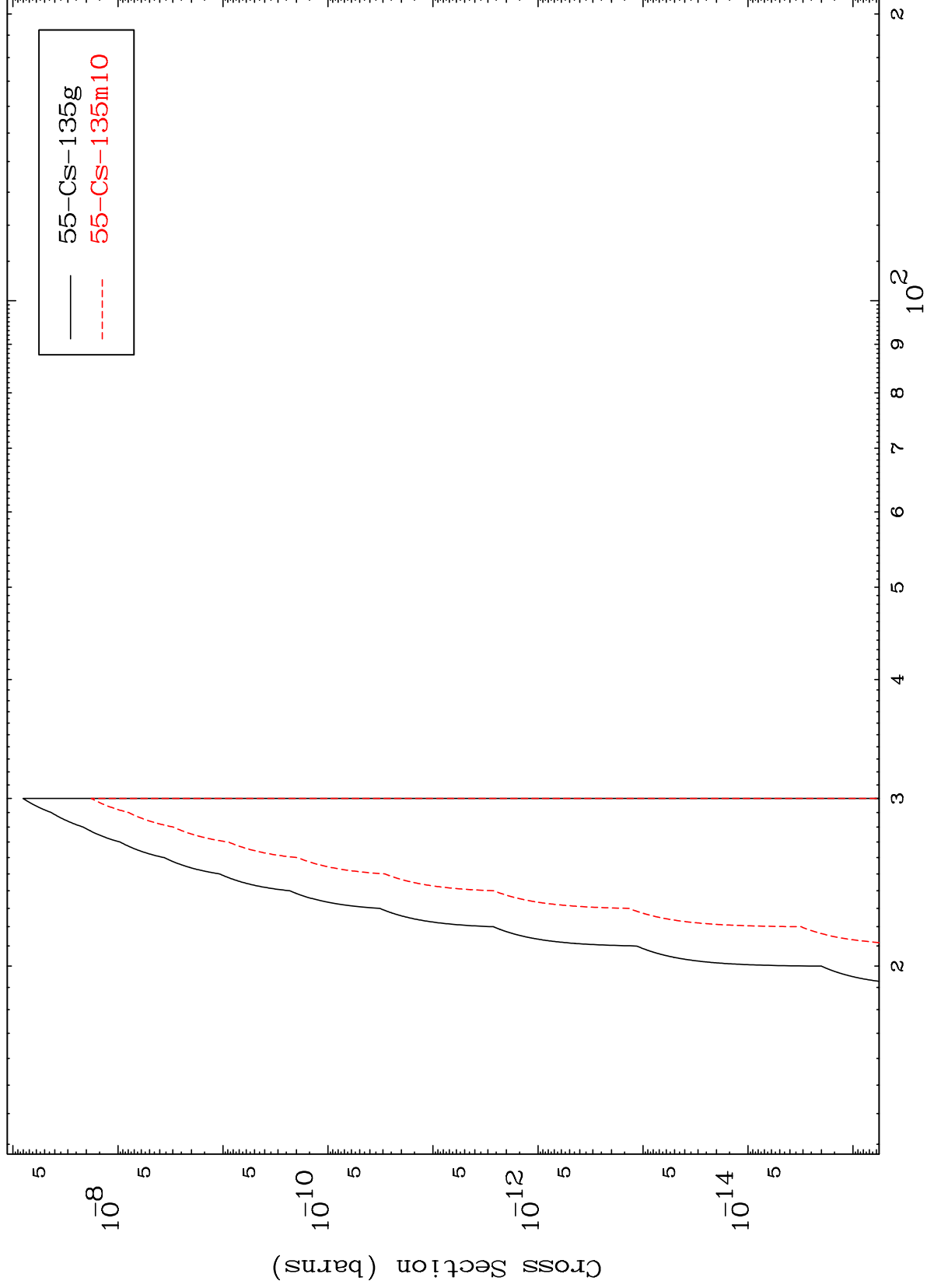
55-Cs-136g
55-Cs-136m2

MAT 5725

(n,p) t

57-La-138

Radionuclide Production Cross Section



137

Incident Energy (MeV)

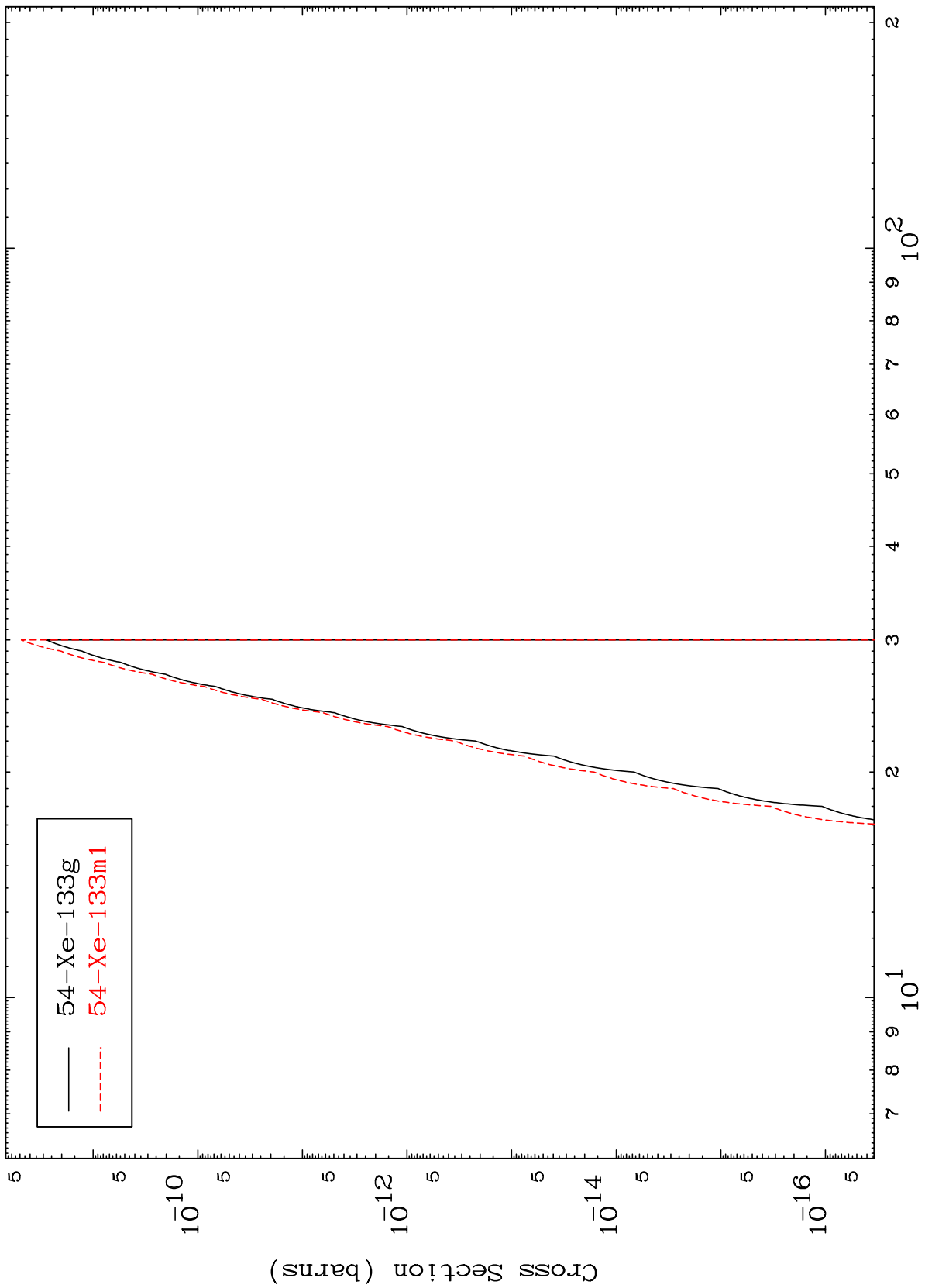
57-La-138

MAT 5725

57-La-138

(n,d) α

Radionuclide Production Cross Section



54-Xe-133g
54-Xe-133m1

138

Incident Energy (MeV)

57-La-138