

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

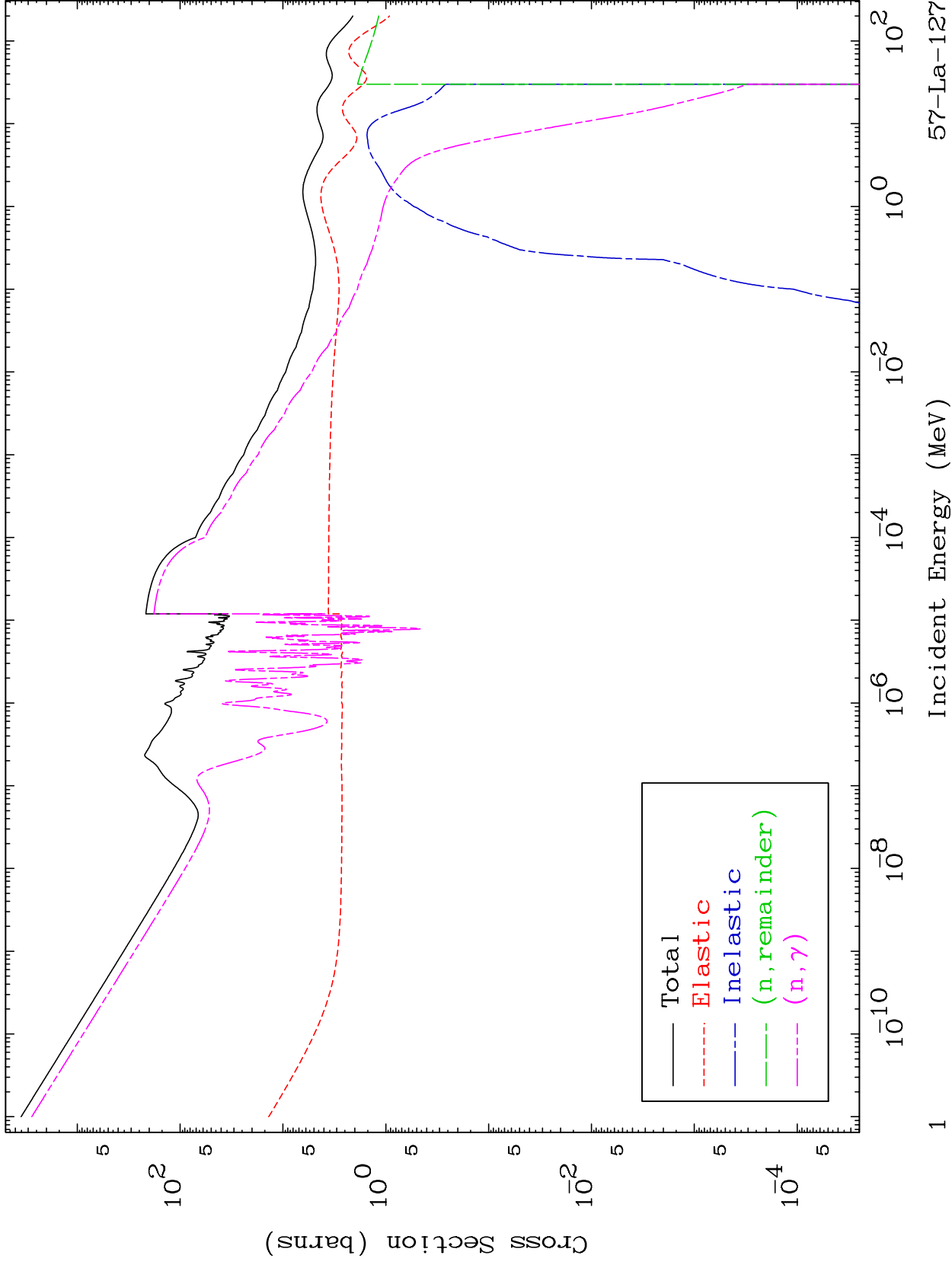
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5692

Major  
293 Kelvin Cross Sections

57-La-127



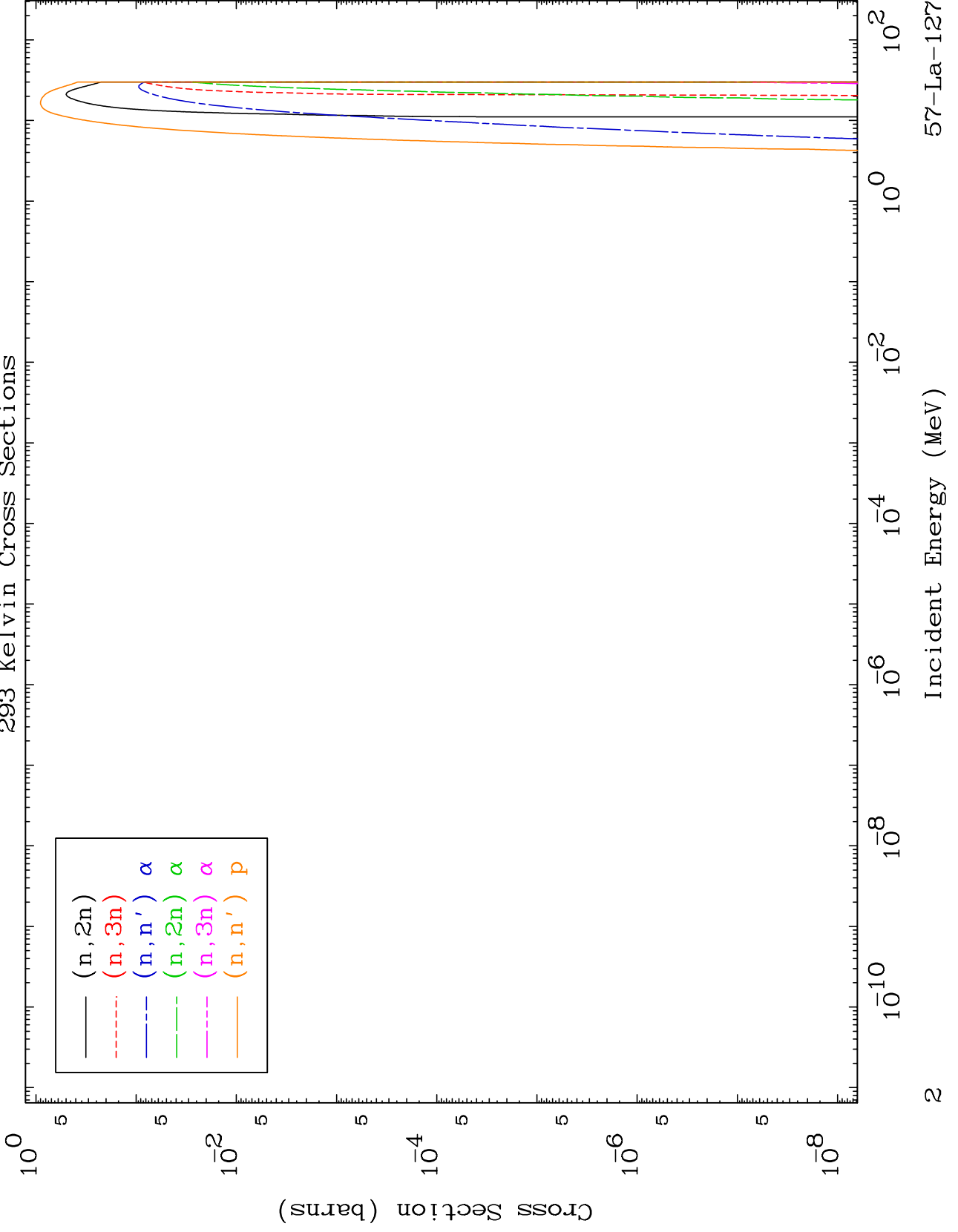
1

57-La-127

MAT 5692

Neutron Production  
293 Kelvin Cross Sections

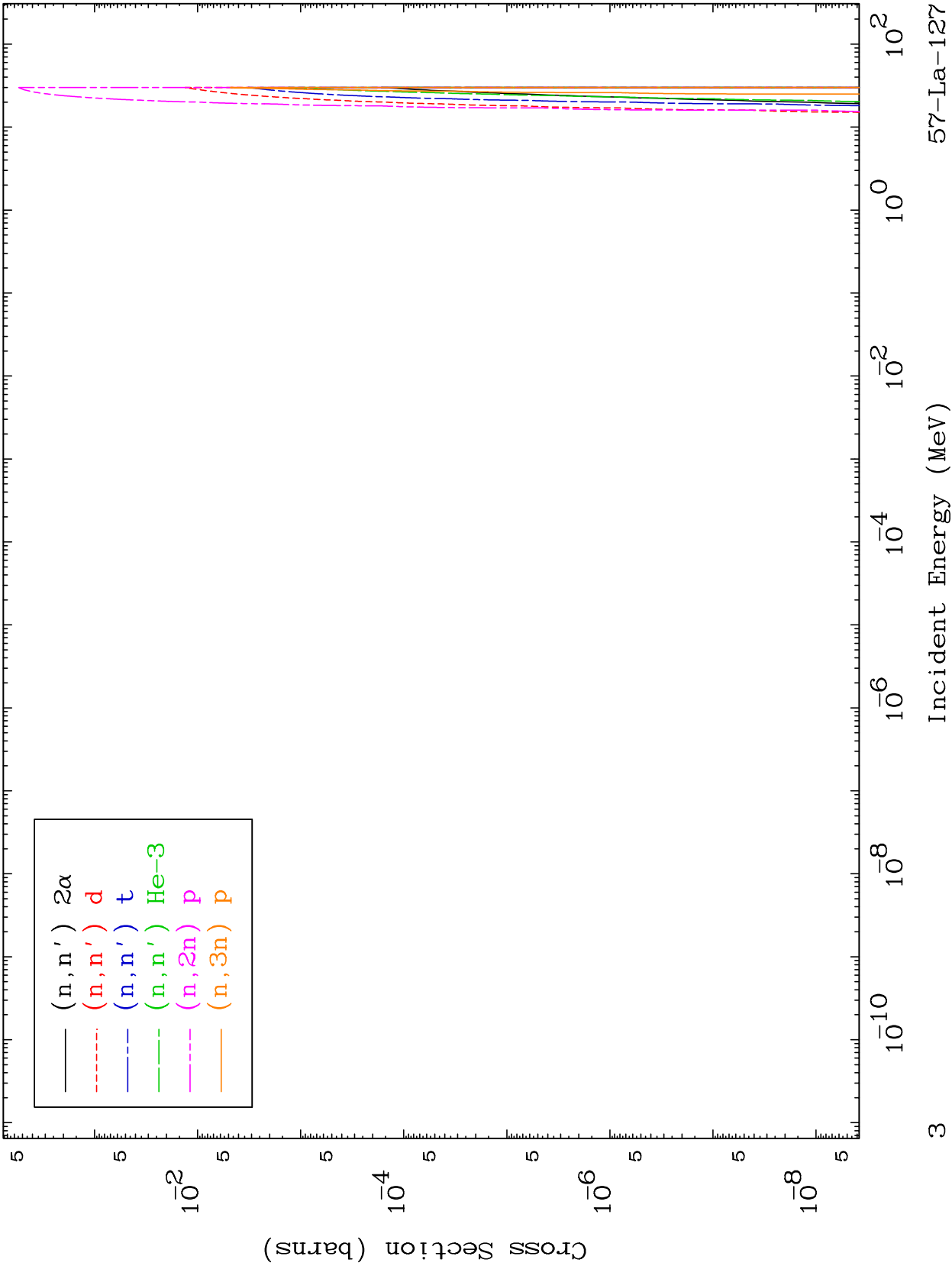
57-La-127



MAT 5692

Neutron Production  
293 Kelvin Cross Sections

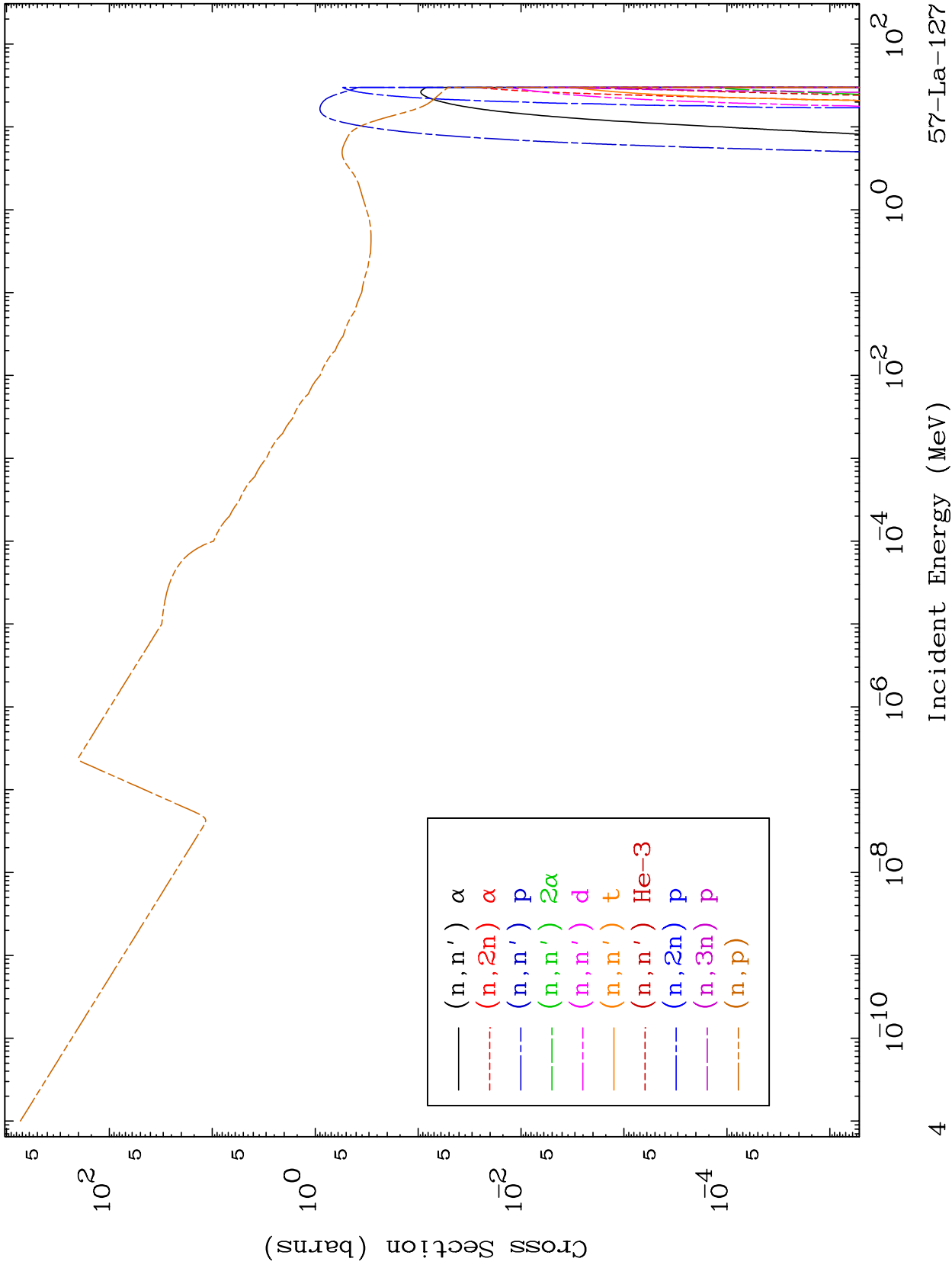
57-La-127



MAT 5692

Charged Particle  
293 Kelvin Cross Sections

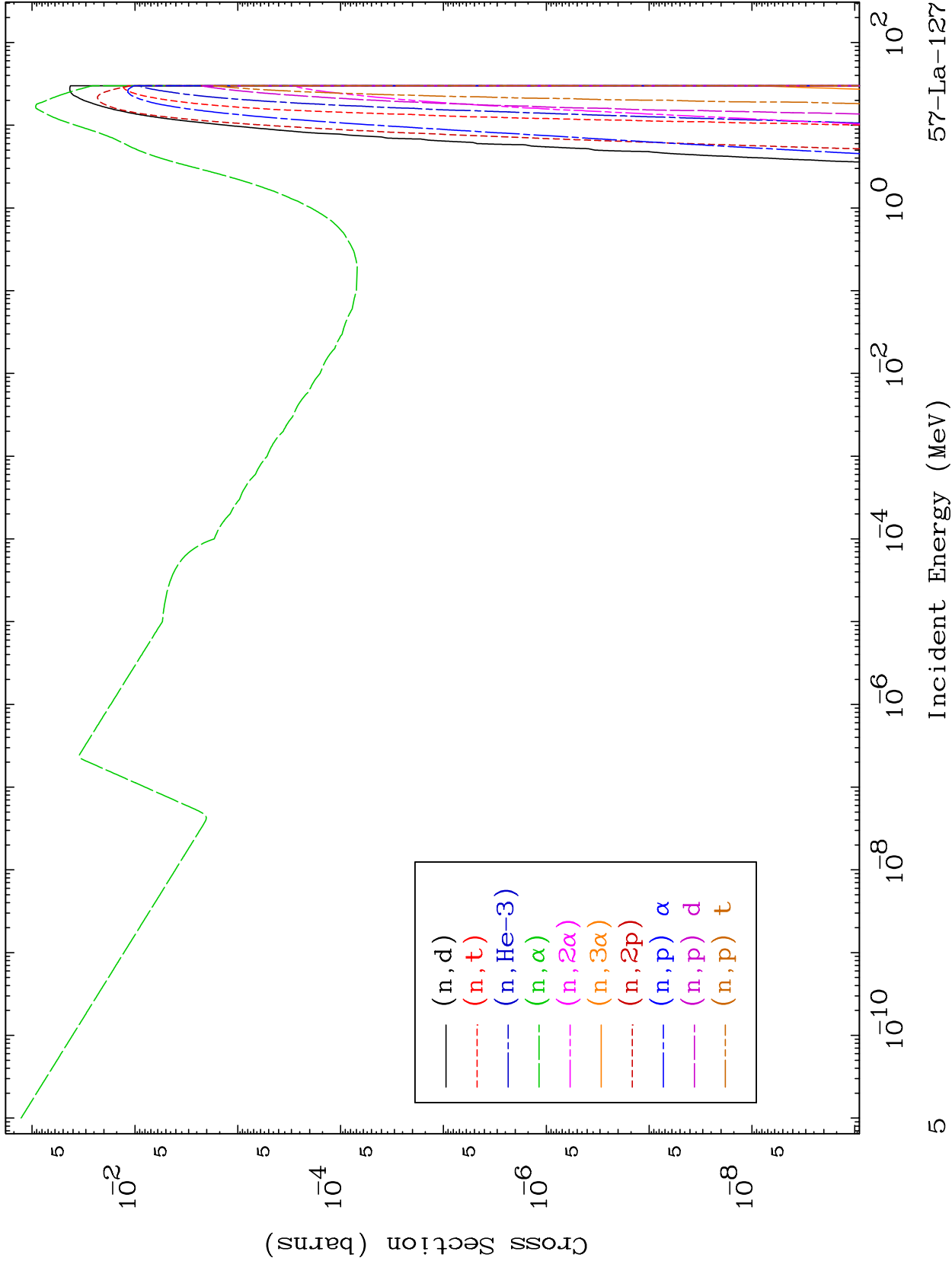
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MAT 5692

Charged Particle  
293 Kelvin Cross Sections

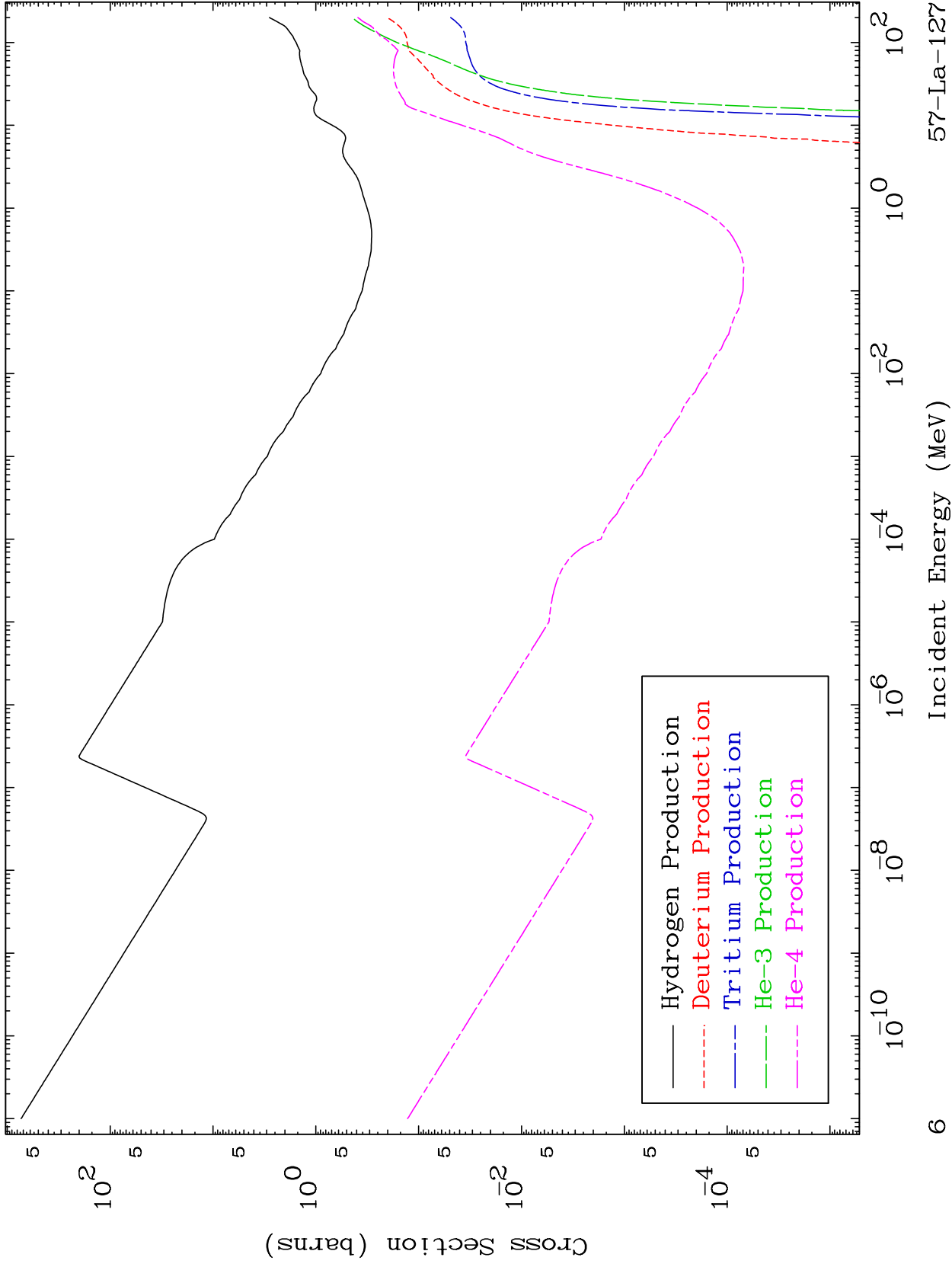
57-La-127



MAT 5692

Particle Production  
293 Kelvin Cross Sections

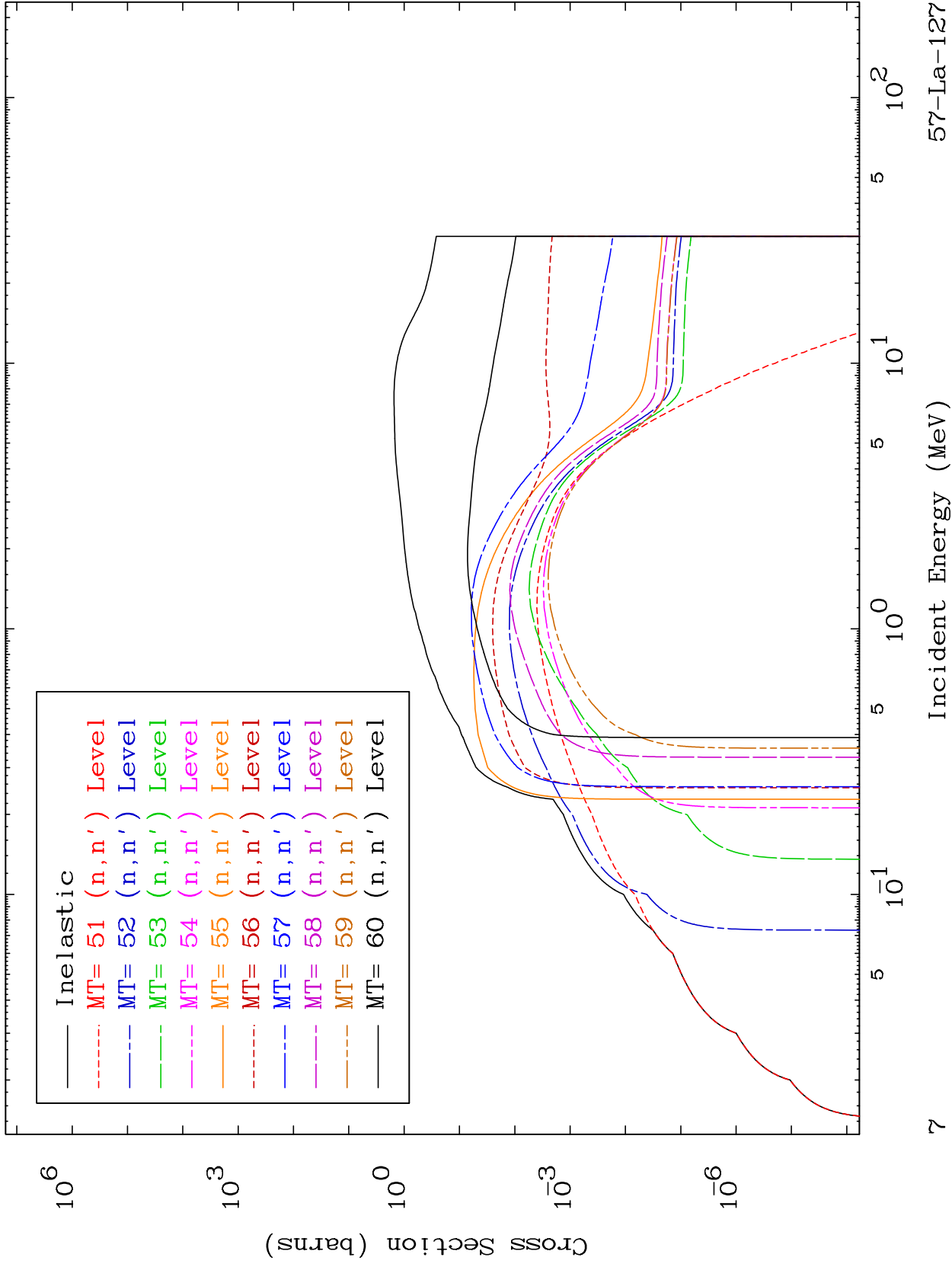
57-La-127



MAT 5692

(n,n') Level  
293 Kelvin Cross Sections

57-La-127



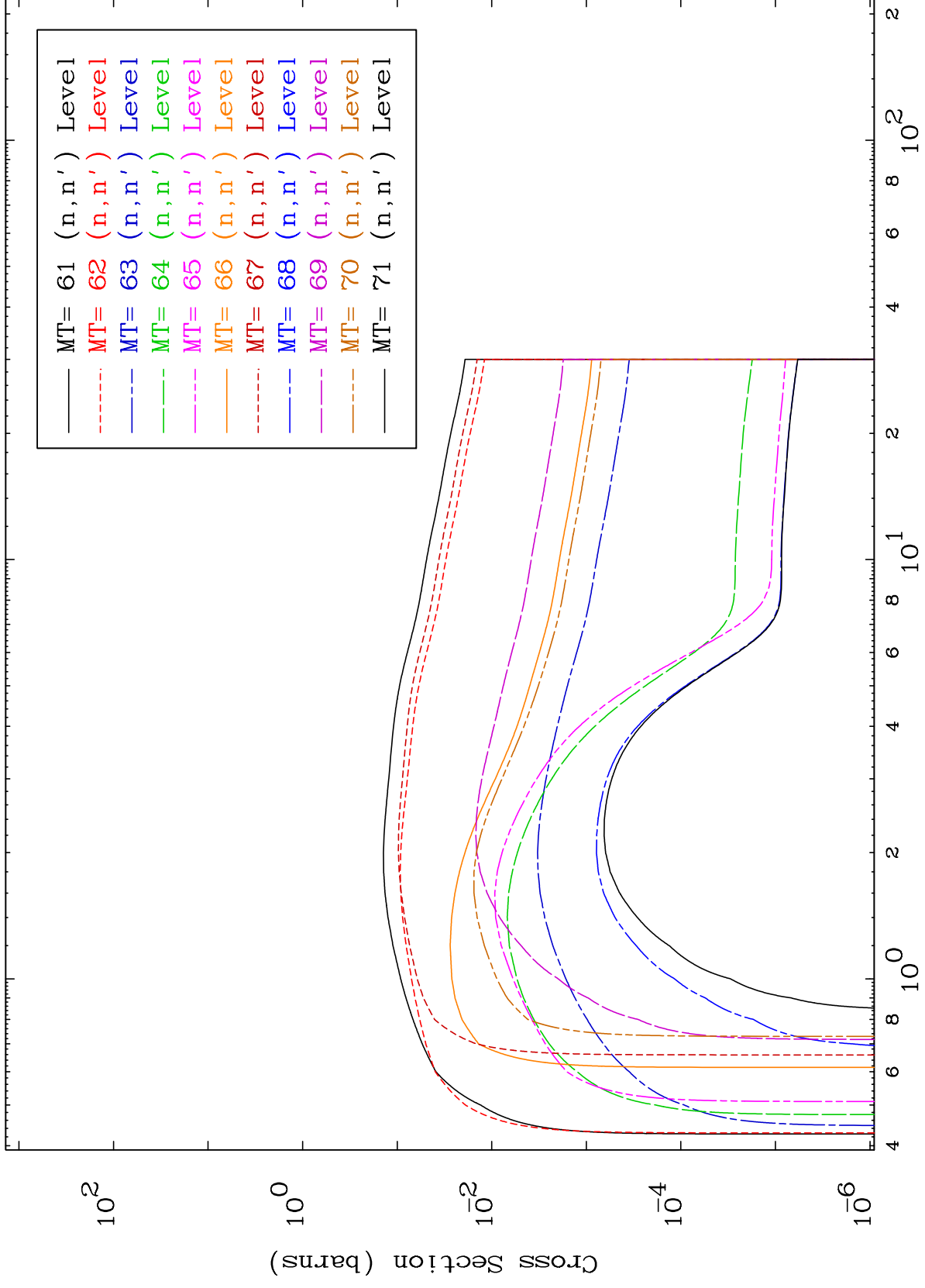


MAT 5692

(n,n') Level

293 Kelvin Cross Sections

57-La-127



Incident Energy (MeV)

57-La-127

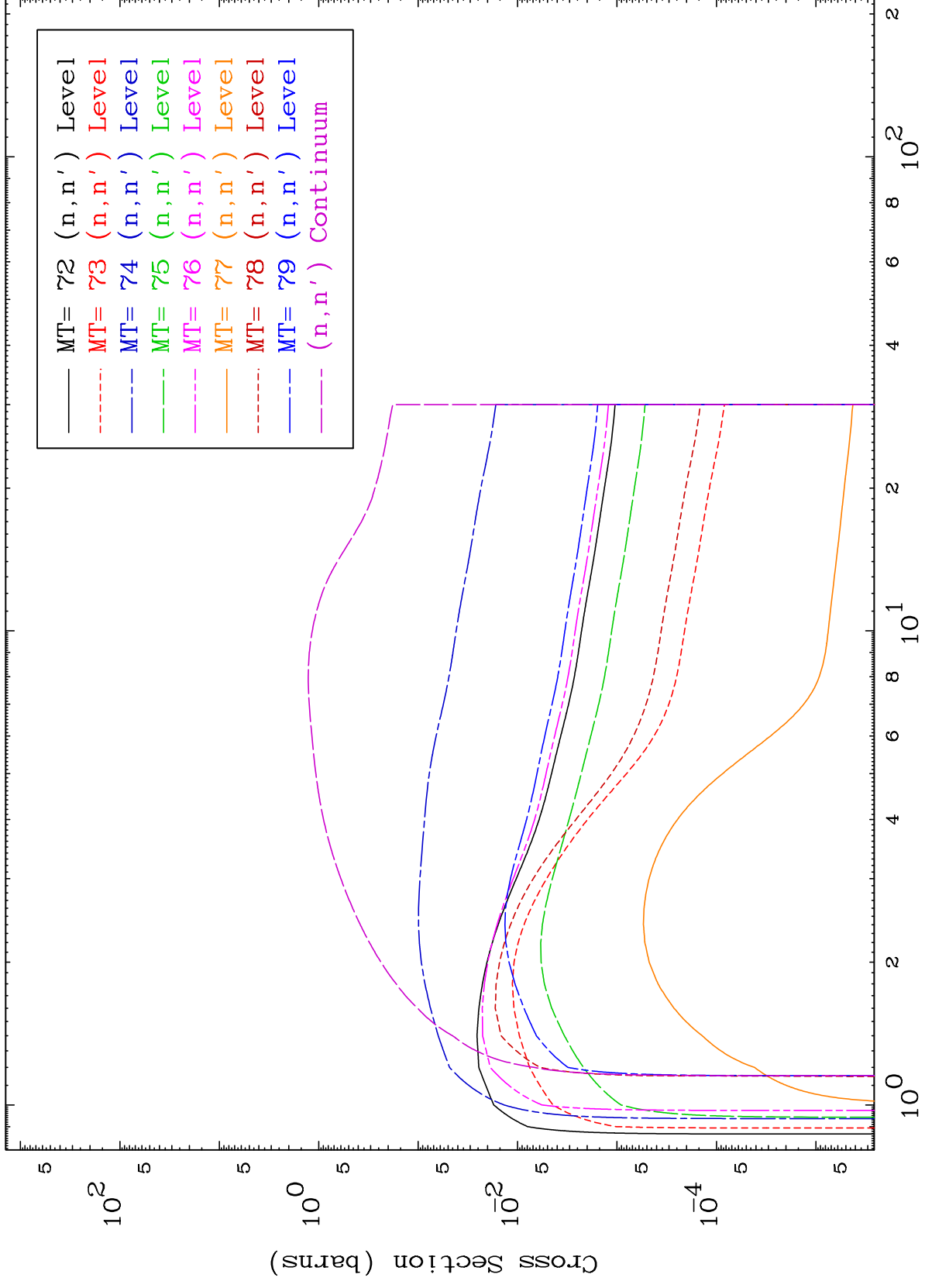
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MAT 5692

(n,n') Level

57-La-127

293 Kelvin Cross Sections



9

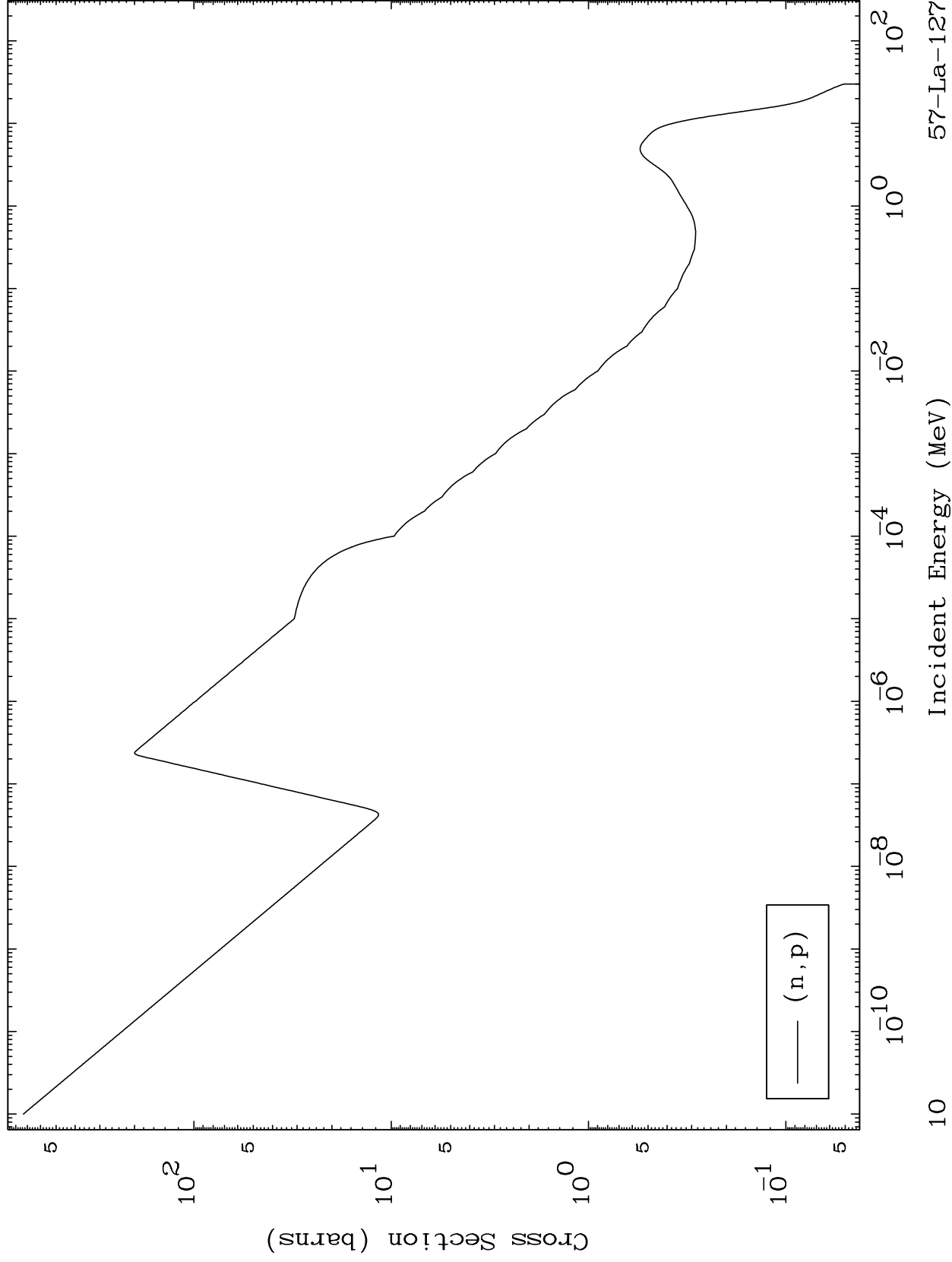
Incident Energy (MeV)

57-La-127

MAT 5692

(n,p) Levels  
293 Kelvin Cross Sections

57-La-127

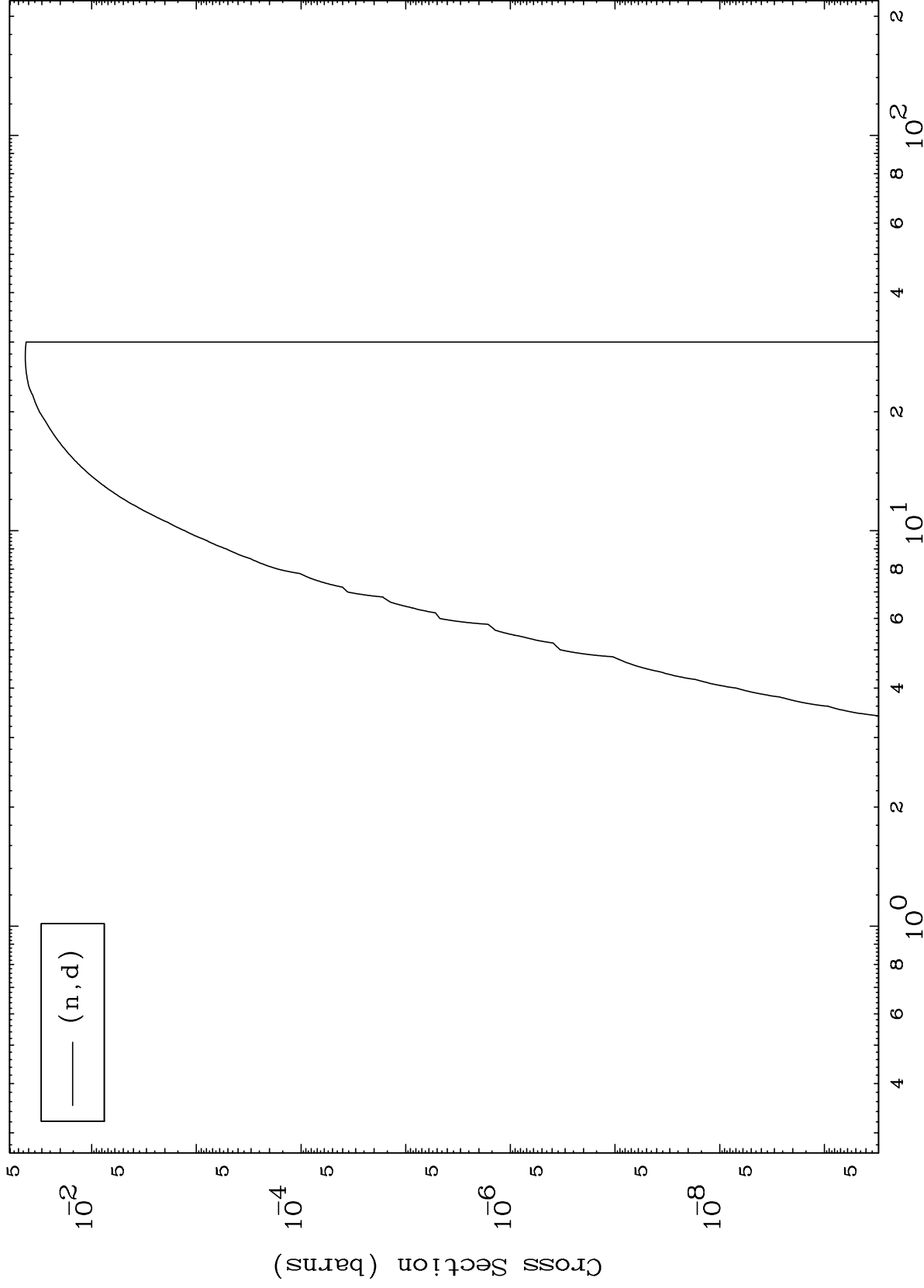


57-La-127

MAT 5692

(n,d) Levels  
293 Kelvin Cross Sections

57-La-127



11

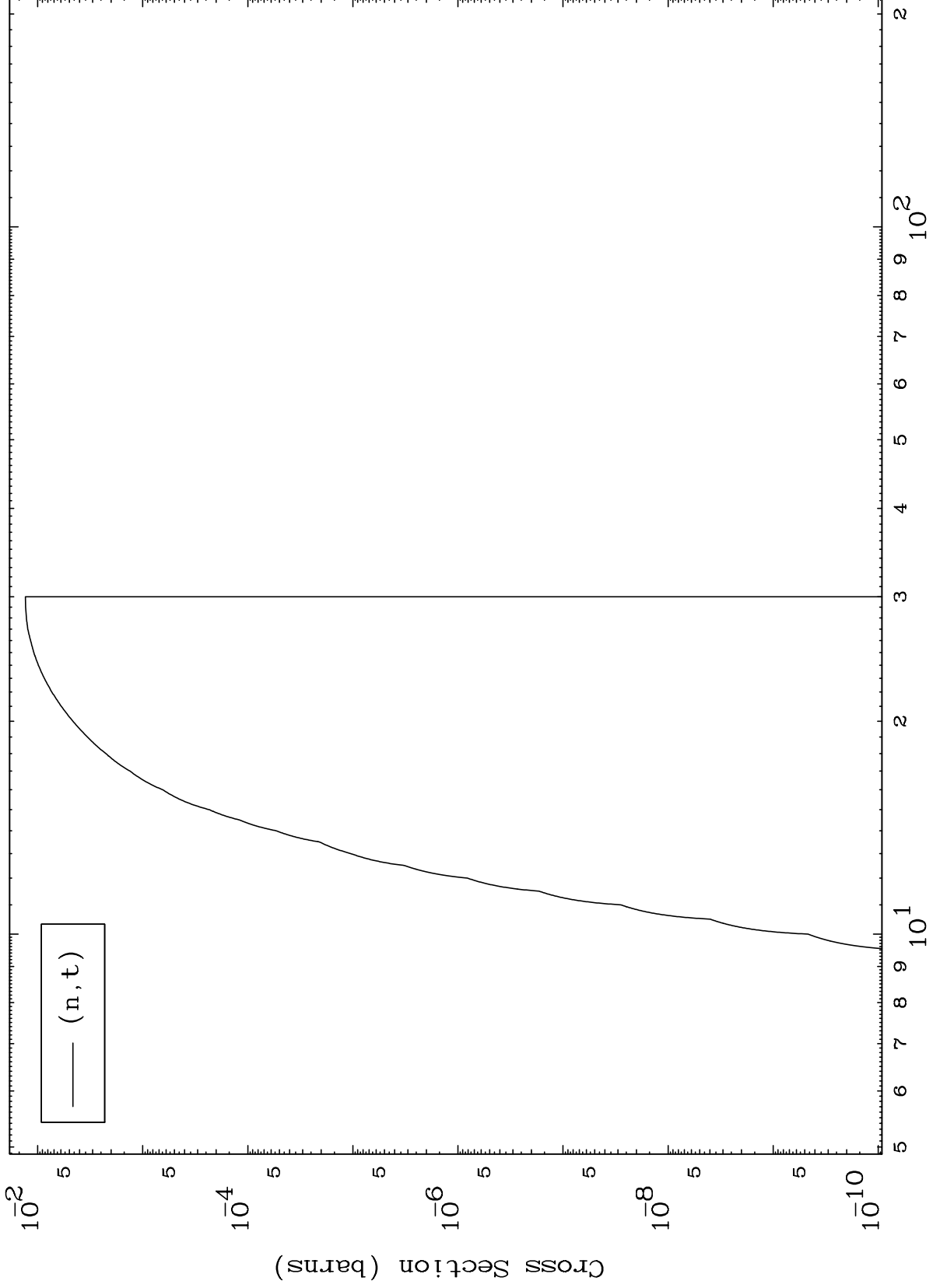
Incident Energy (MeV)

57-La-127

MAT 5692

(n,t) Levels  
293 Kelvin Cross Sections

57-La-127



12

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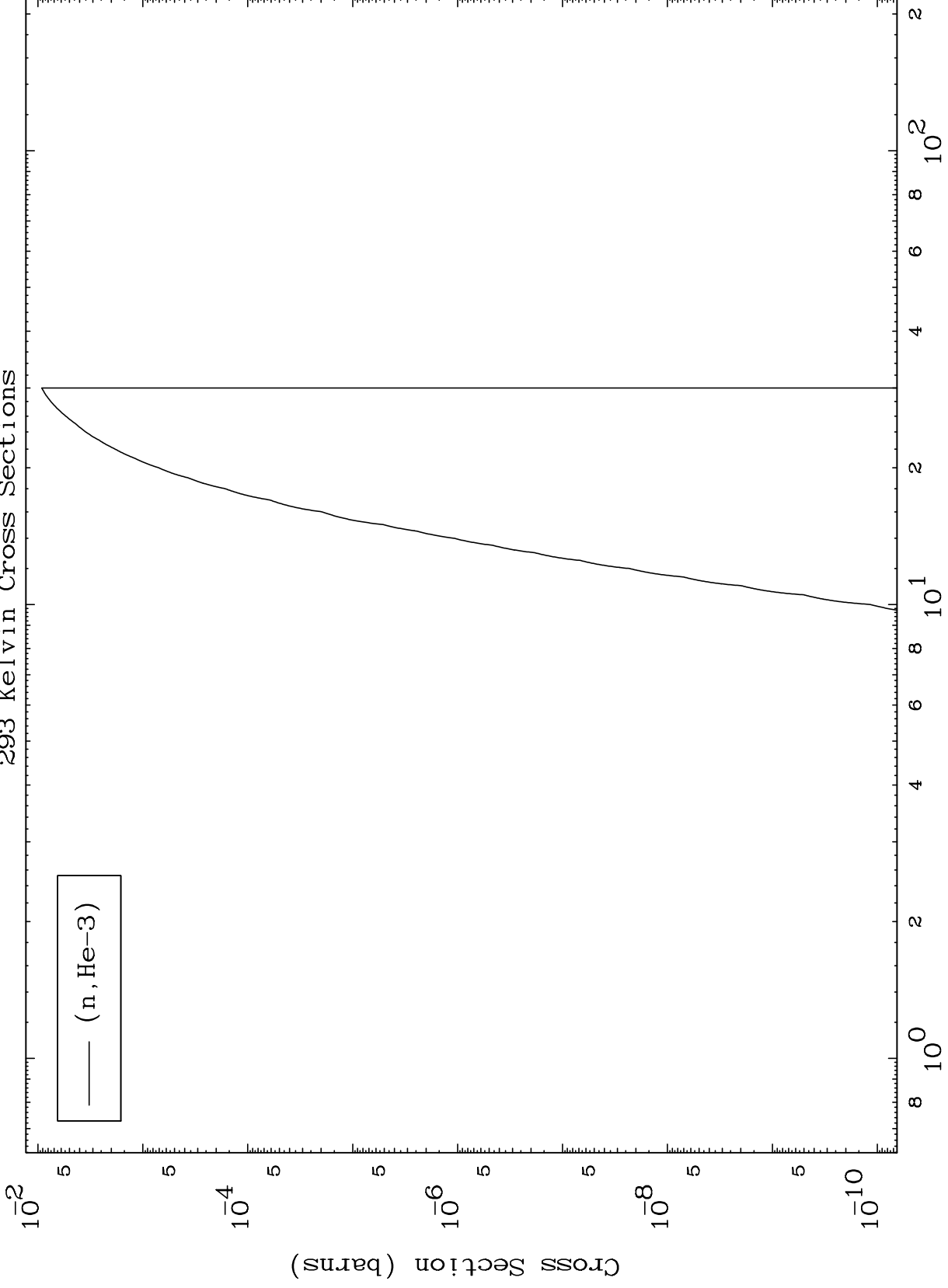
57-La-127

MAT 5692

(n,He3) Levels

57-La-127

293 Kelvin Cross Sections



13

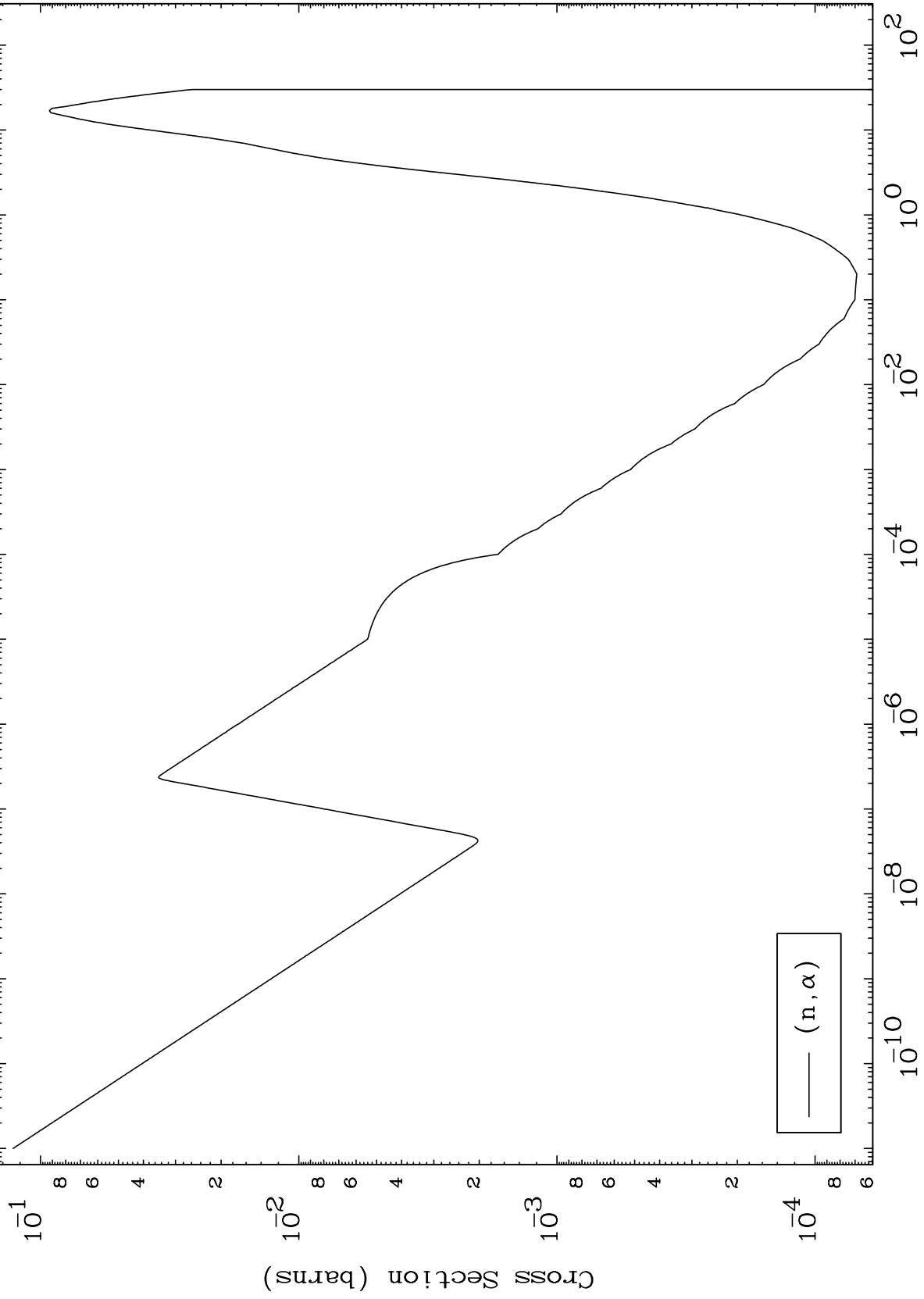
Incident Energy (MeV)

57-La-127

MAT 5692

(n,α) Levels  
293 Kelvin Cross Sections

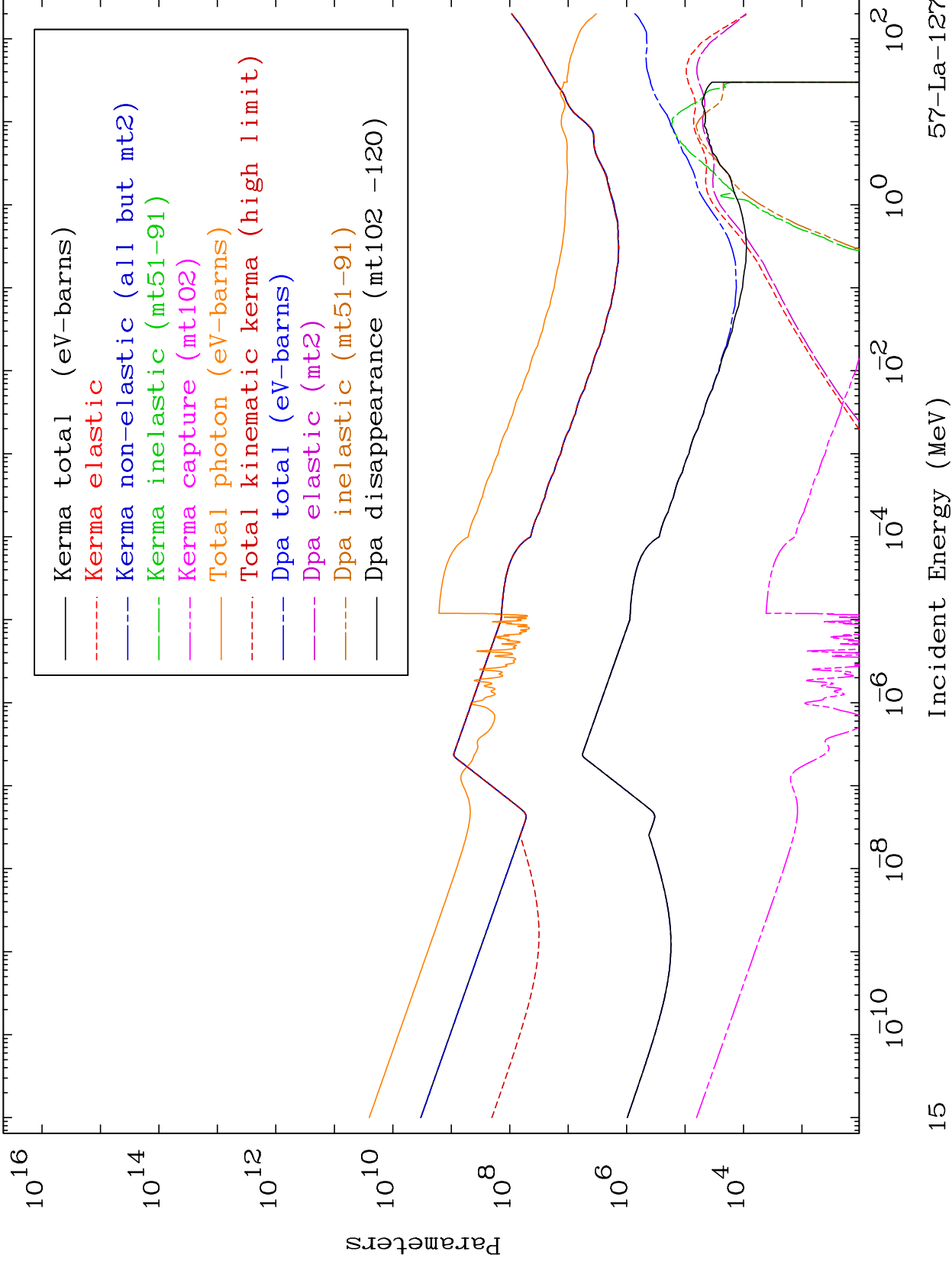
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Incident Energy (MeV)

57-La-127

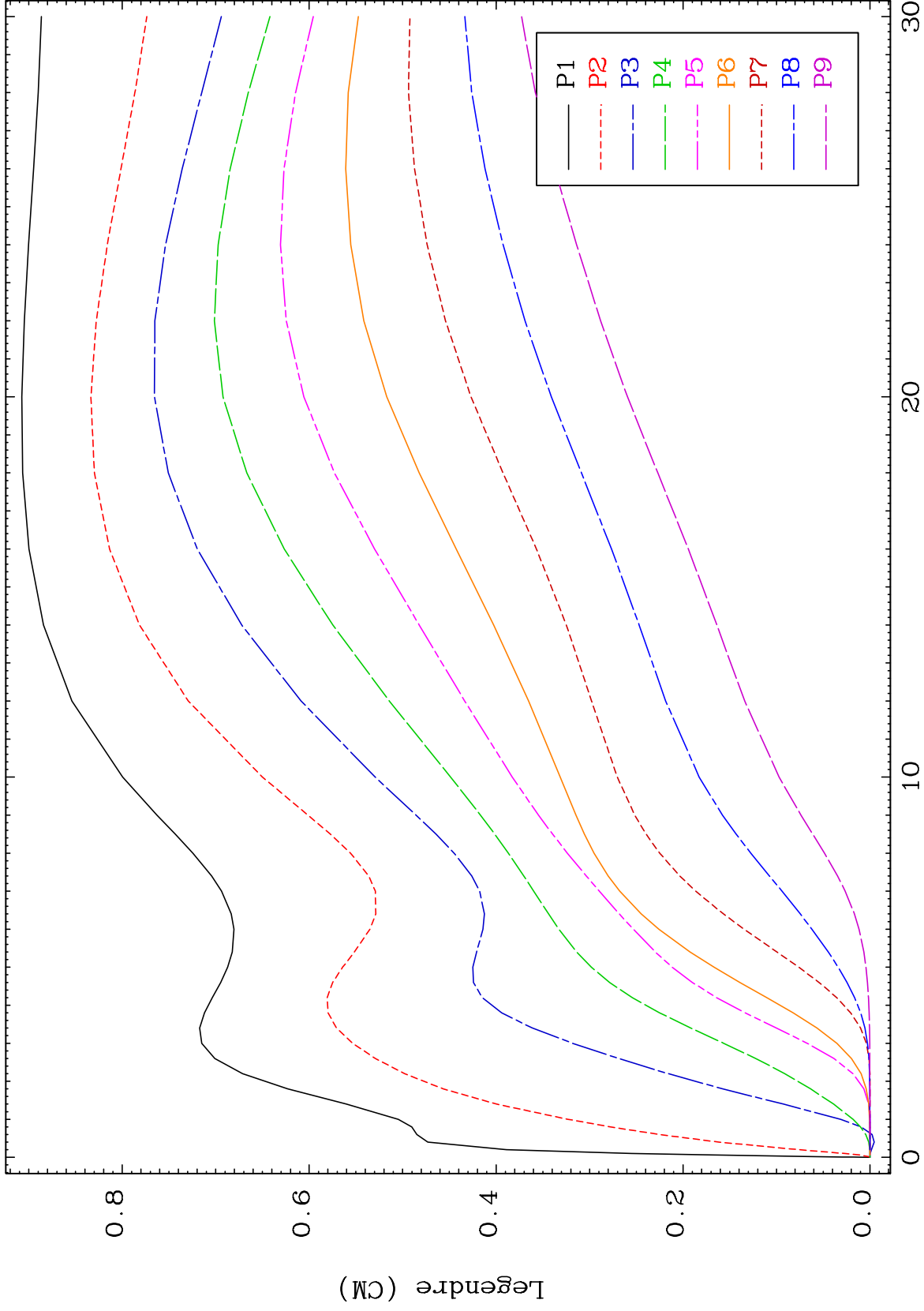




MAT 5692

Elastic Legendre Coefficients

57-La-127



16

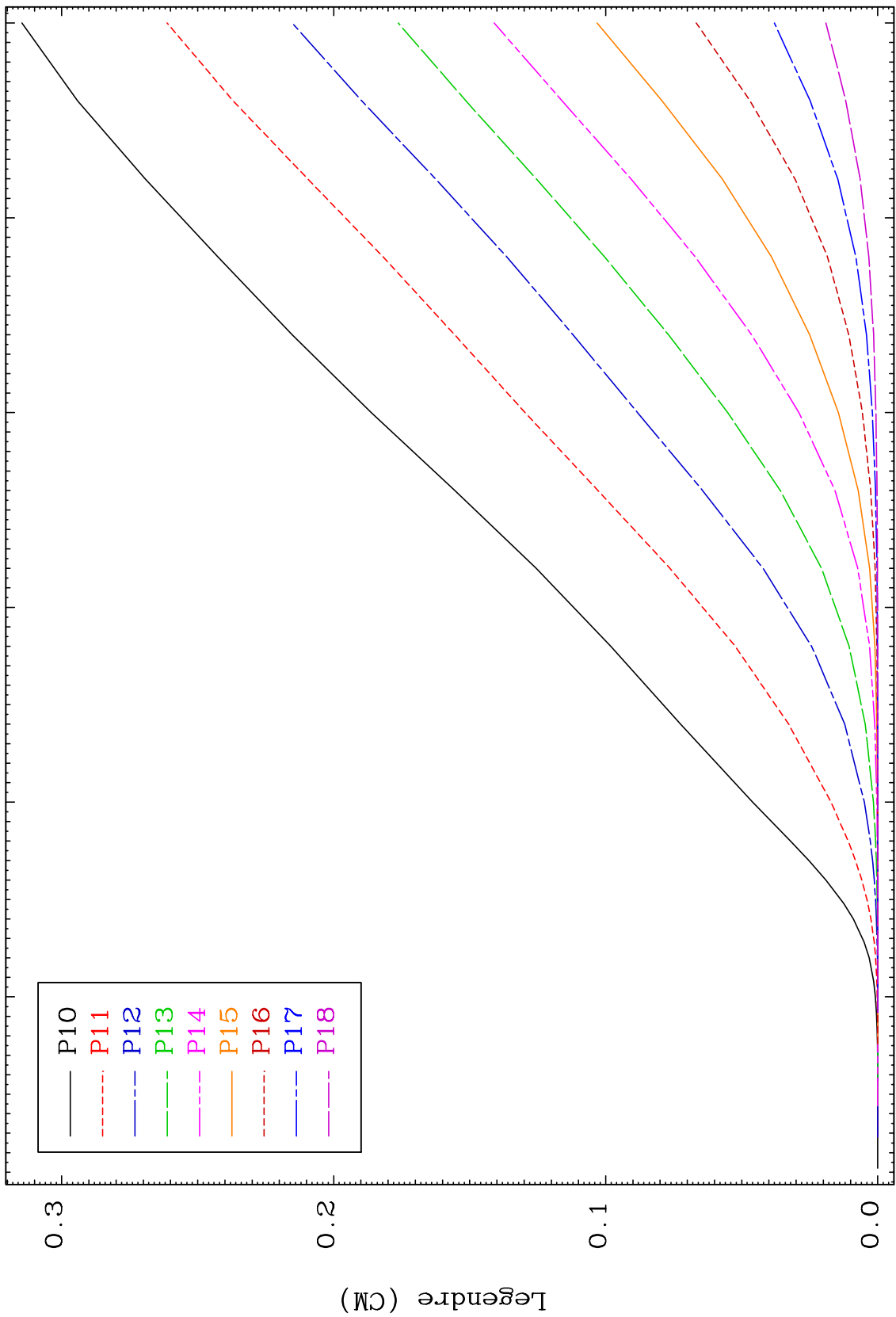
Incident Energy (MeV)

57-La-127

MAT 5692

Elastic Legendre Coefficients

57-La-127



17

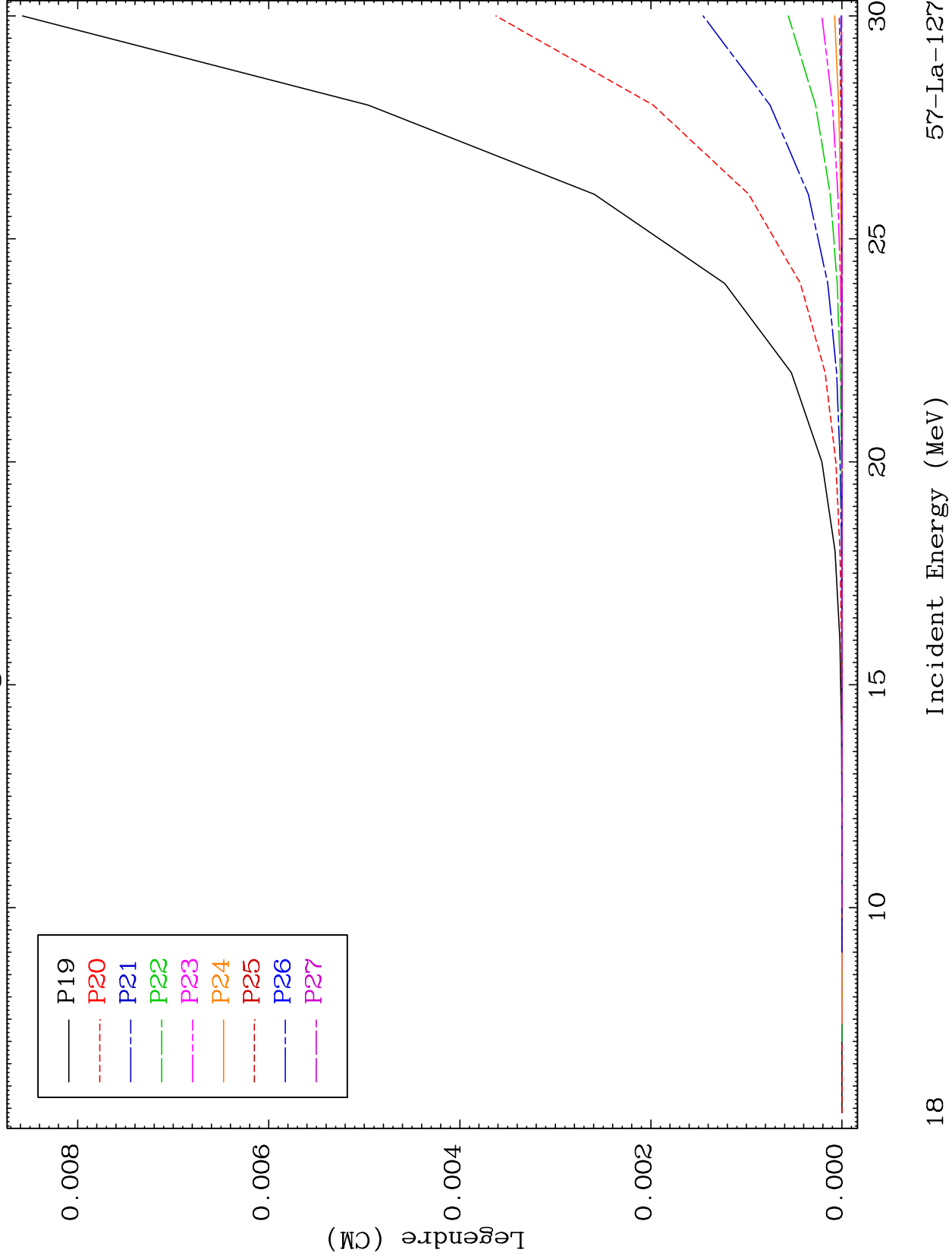
Incident Energy (MeV)

57-La-127

MAT 5692

### Elastic Legendre Coefficients

57-La-127



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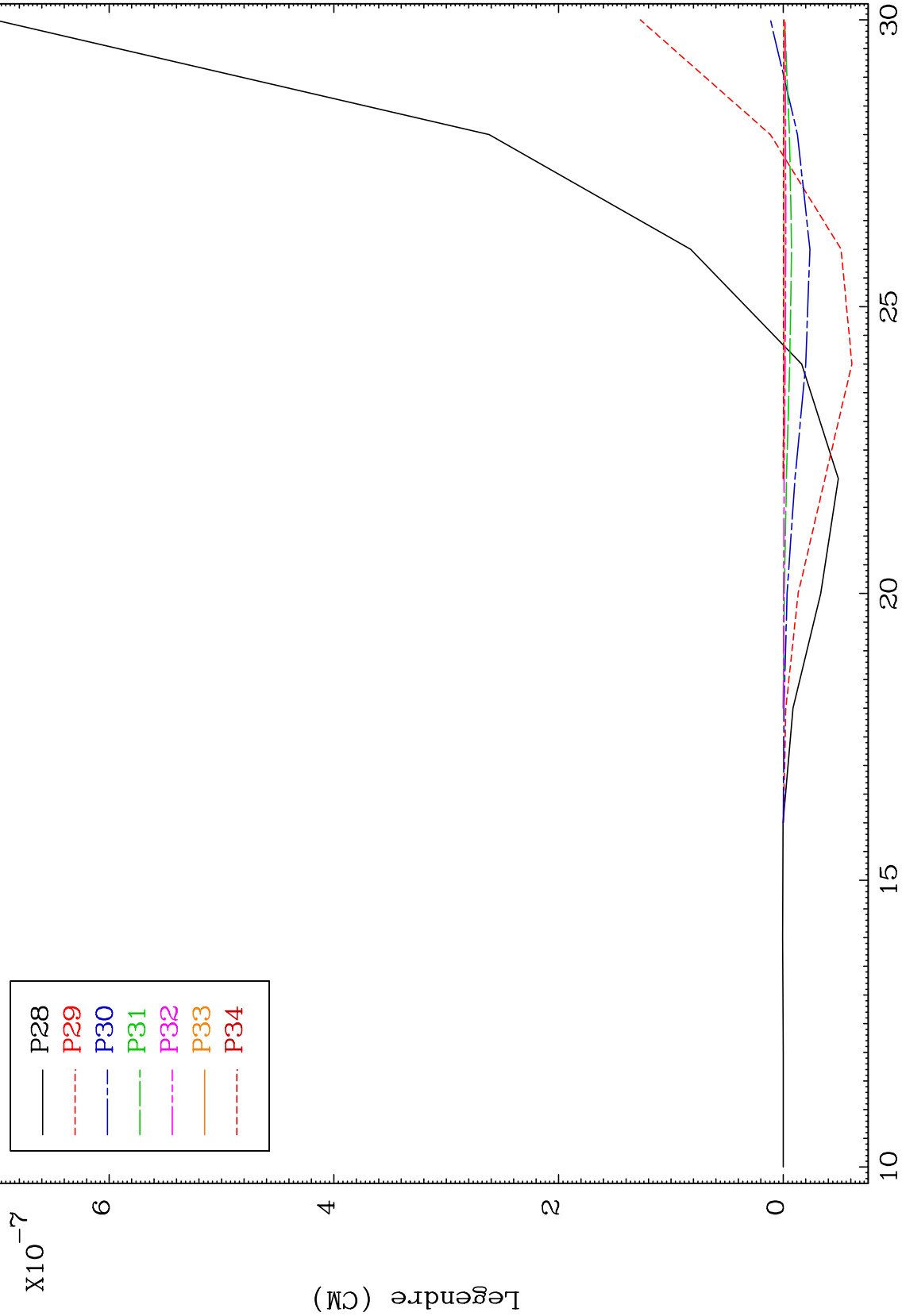
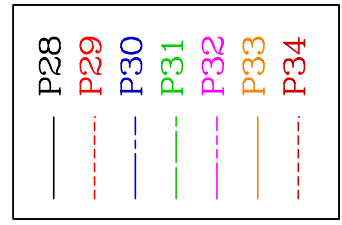
Incident Energy (MeV)

57-La-127

MAT 5692

Elastic  
Legendre Coefficients

57-La-127



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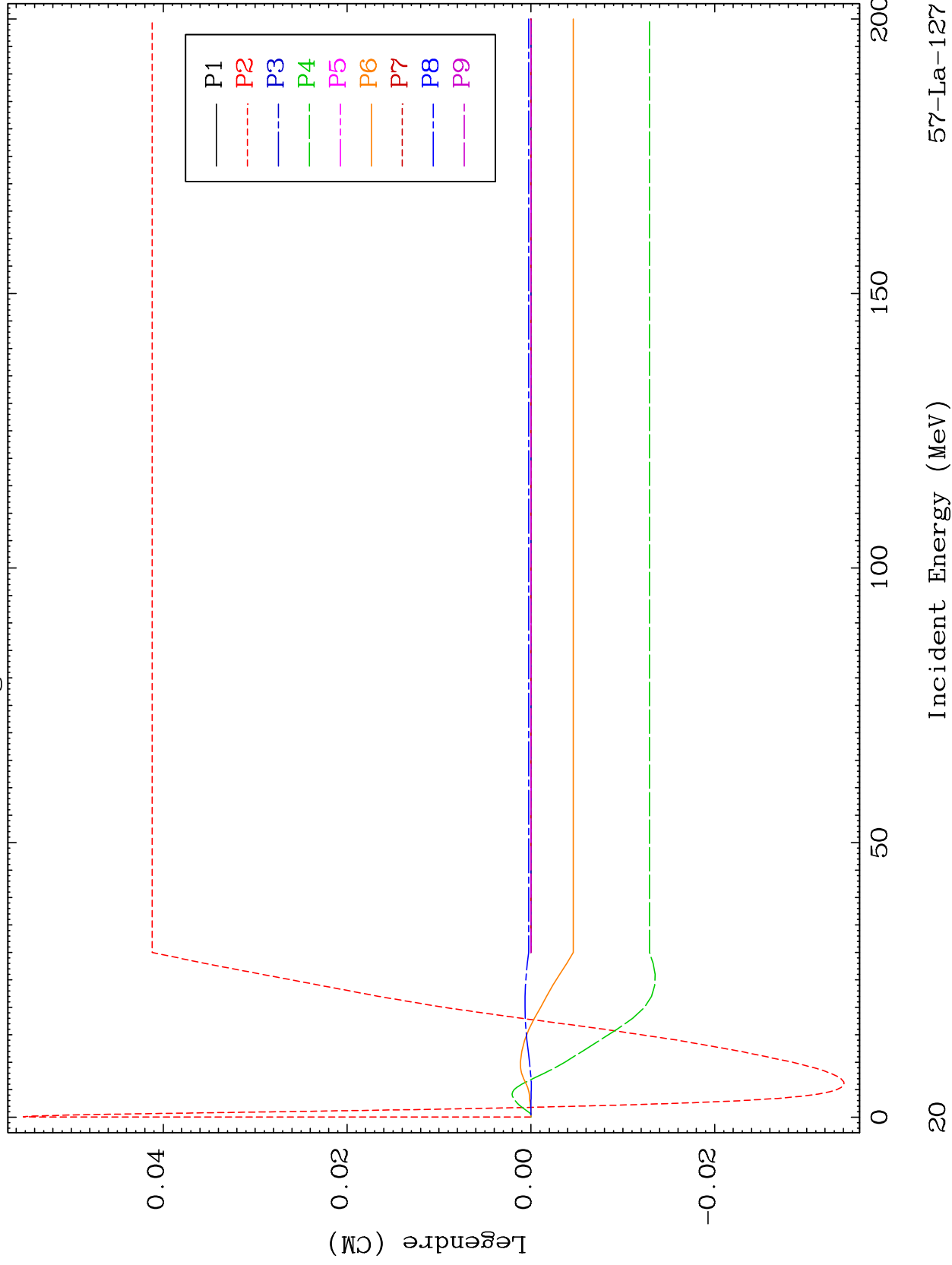
Incident Energy (MeV)

57-La-127

MAT 5692

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

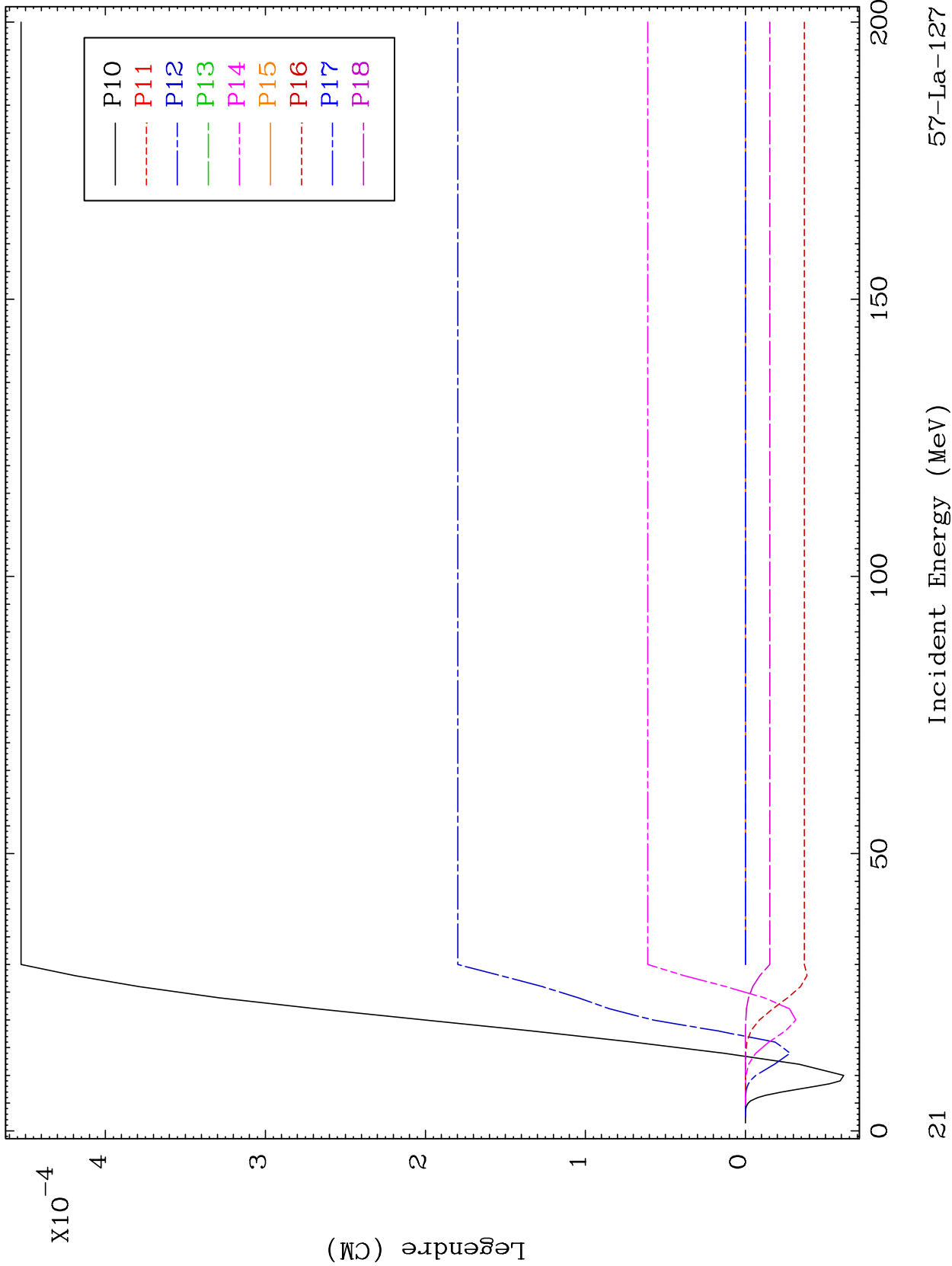
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MAT 5692

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

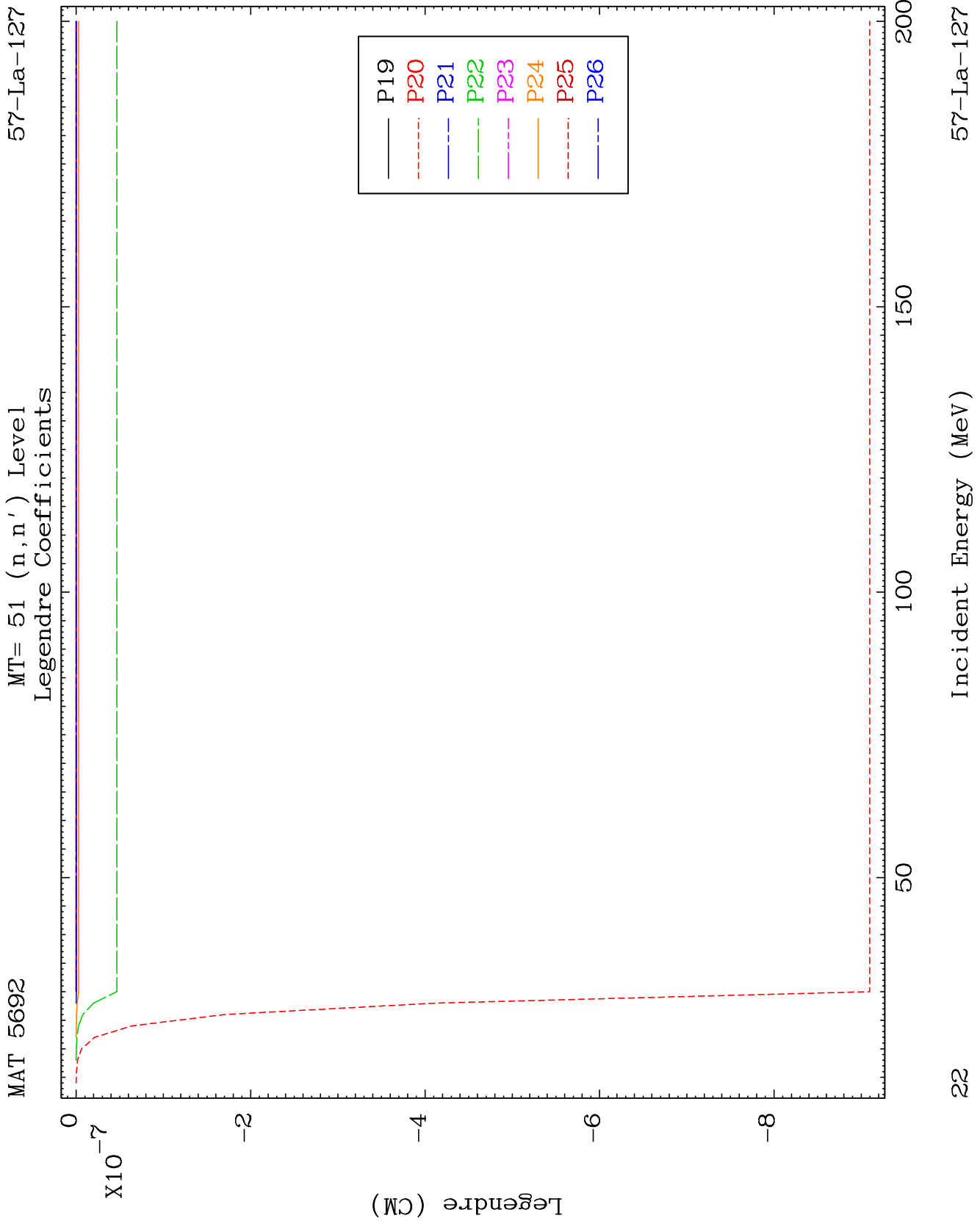
57-La-127



57-La-127

Incident Energy (MeV)

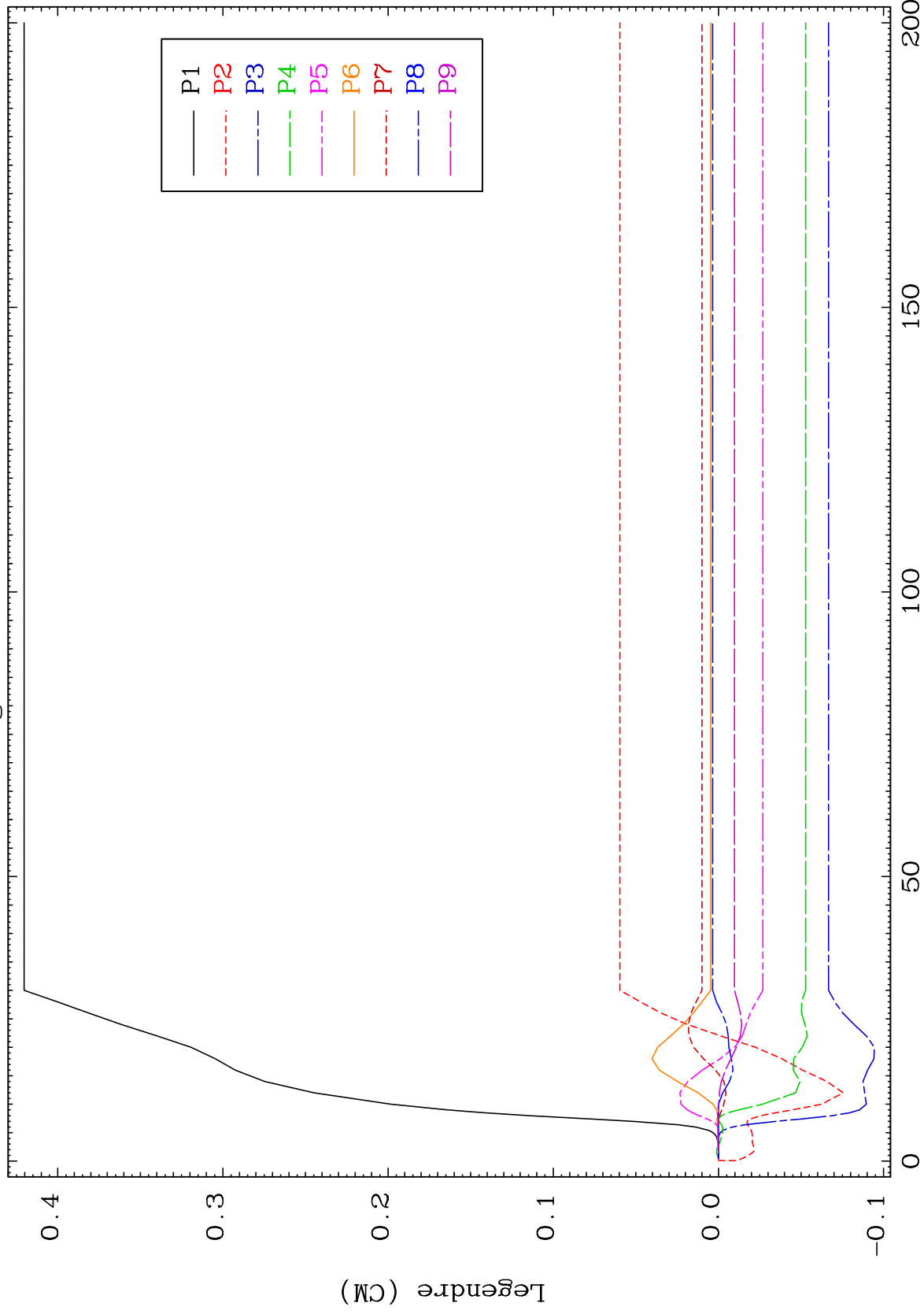
21



MAT 5692

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

57-La-127

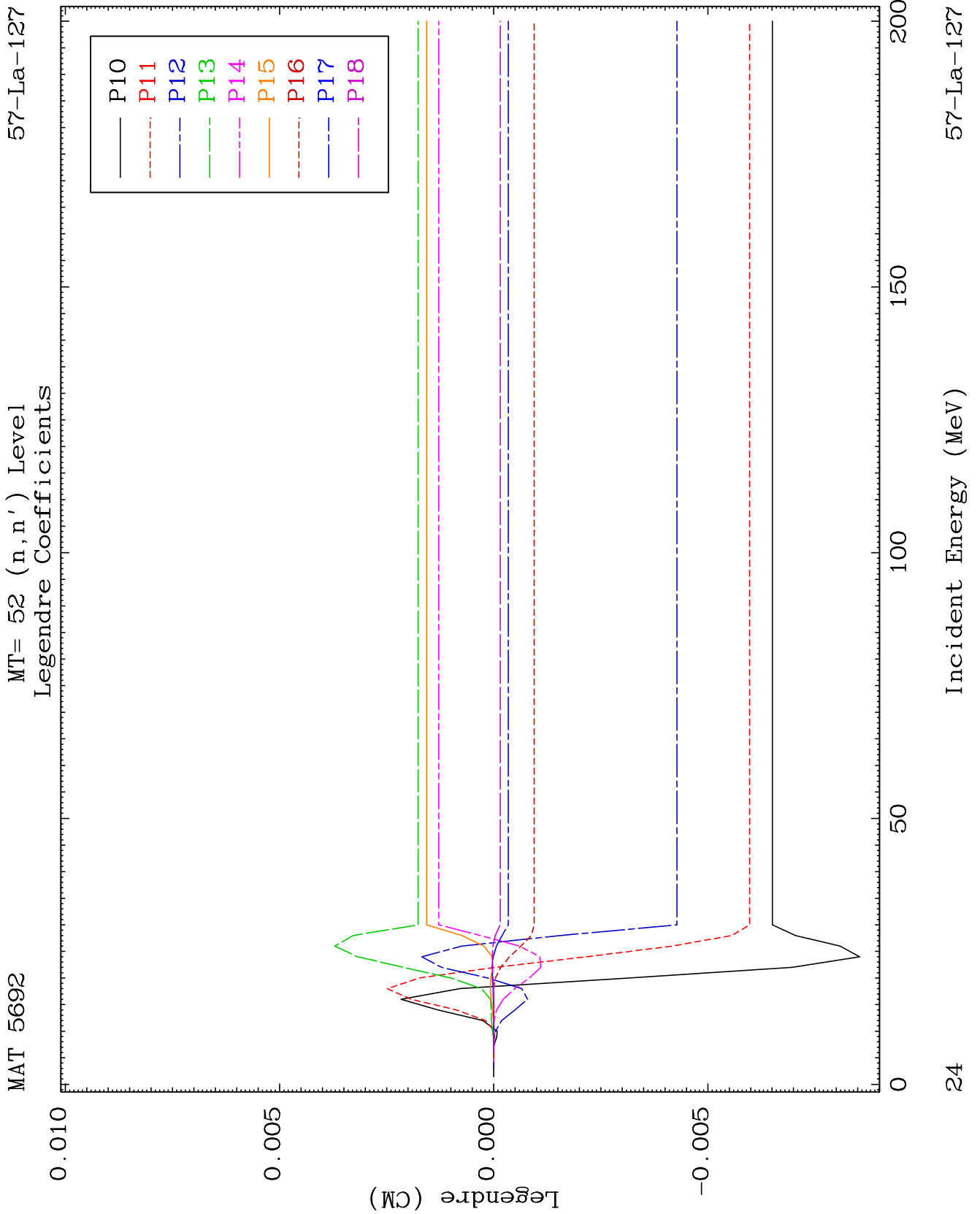


23

Incident Energy (MeV)

57-La-127

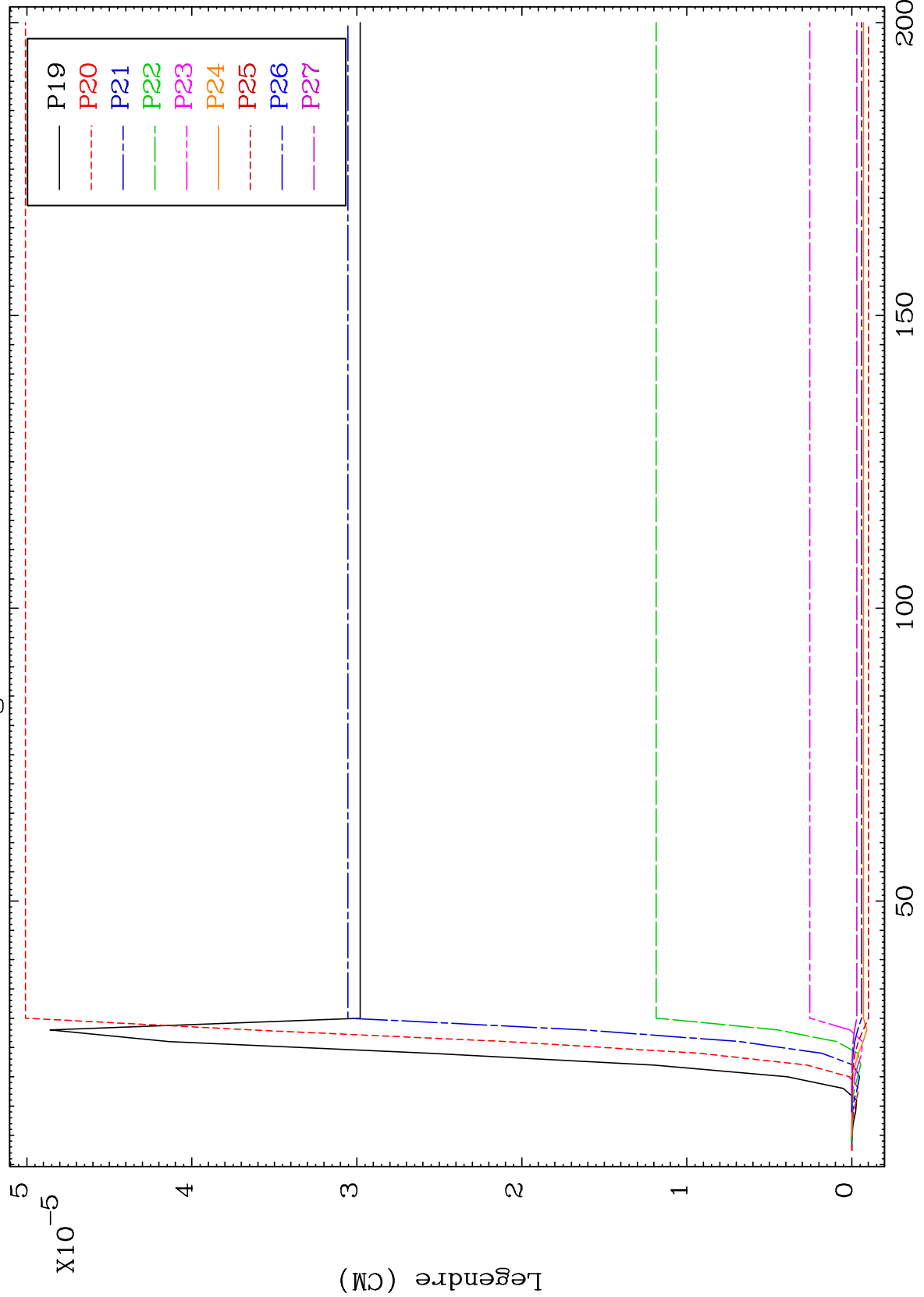




MAT 5692

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

57-La-127



57-La-127

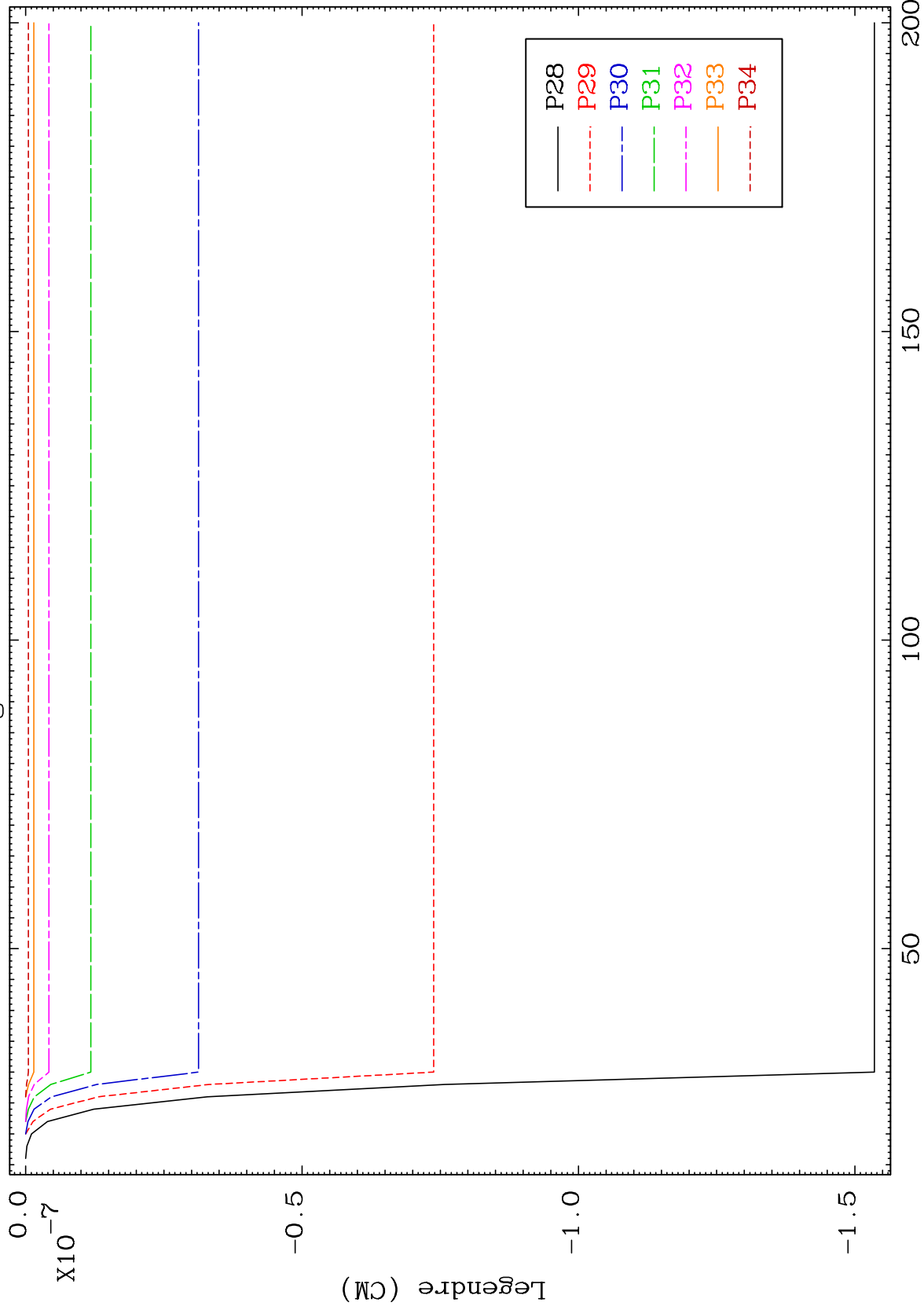
Incident Energy (MeV)

25

MAT 5692

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

57-La-127



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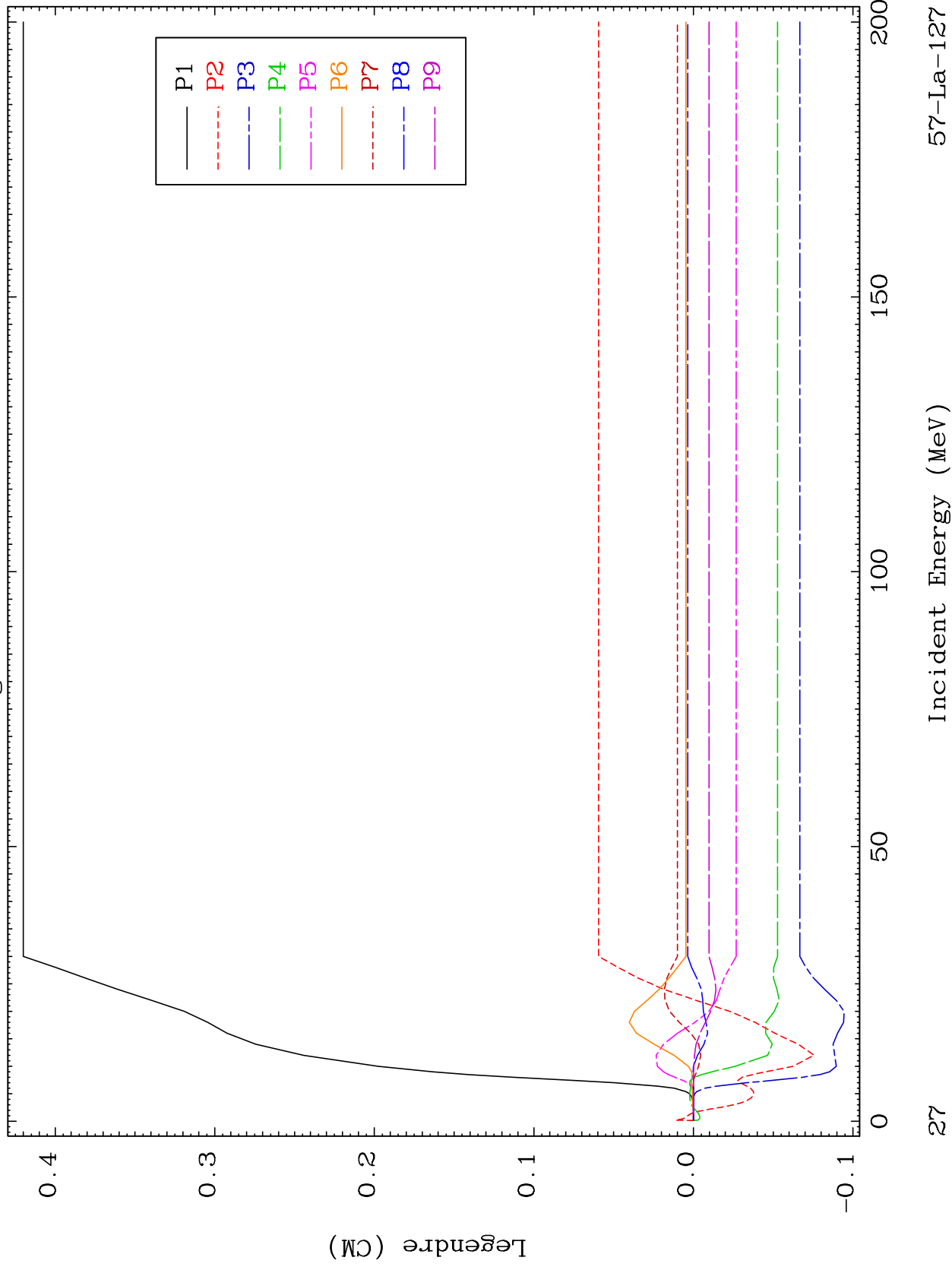
Incident Energy (MeV)

57-La-127

MAT 5692

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

57-La-127



57-La-127

Incident Energy (MeV)

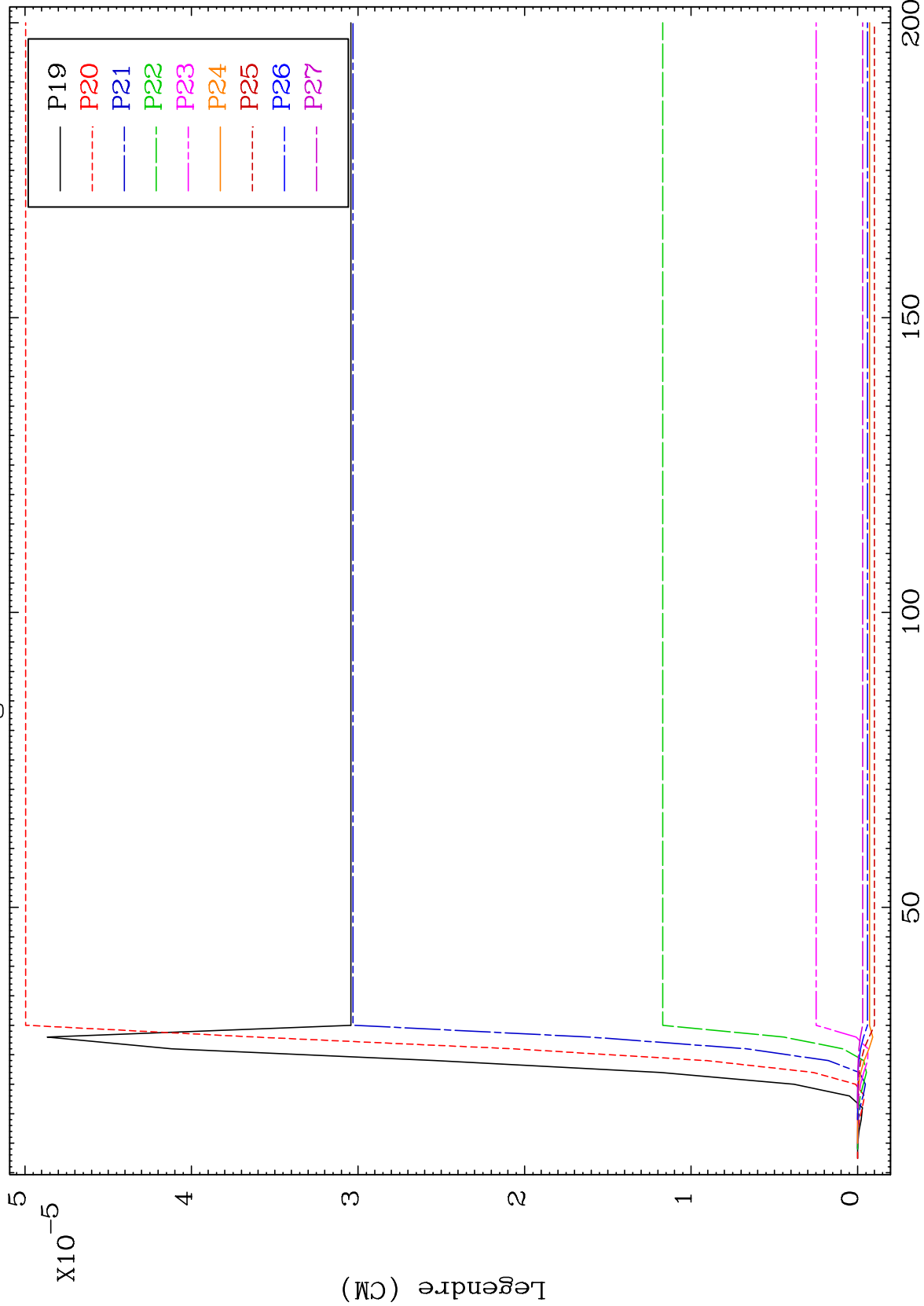
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MAT 5692

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

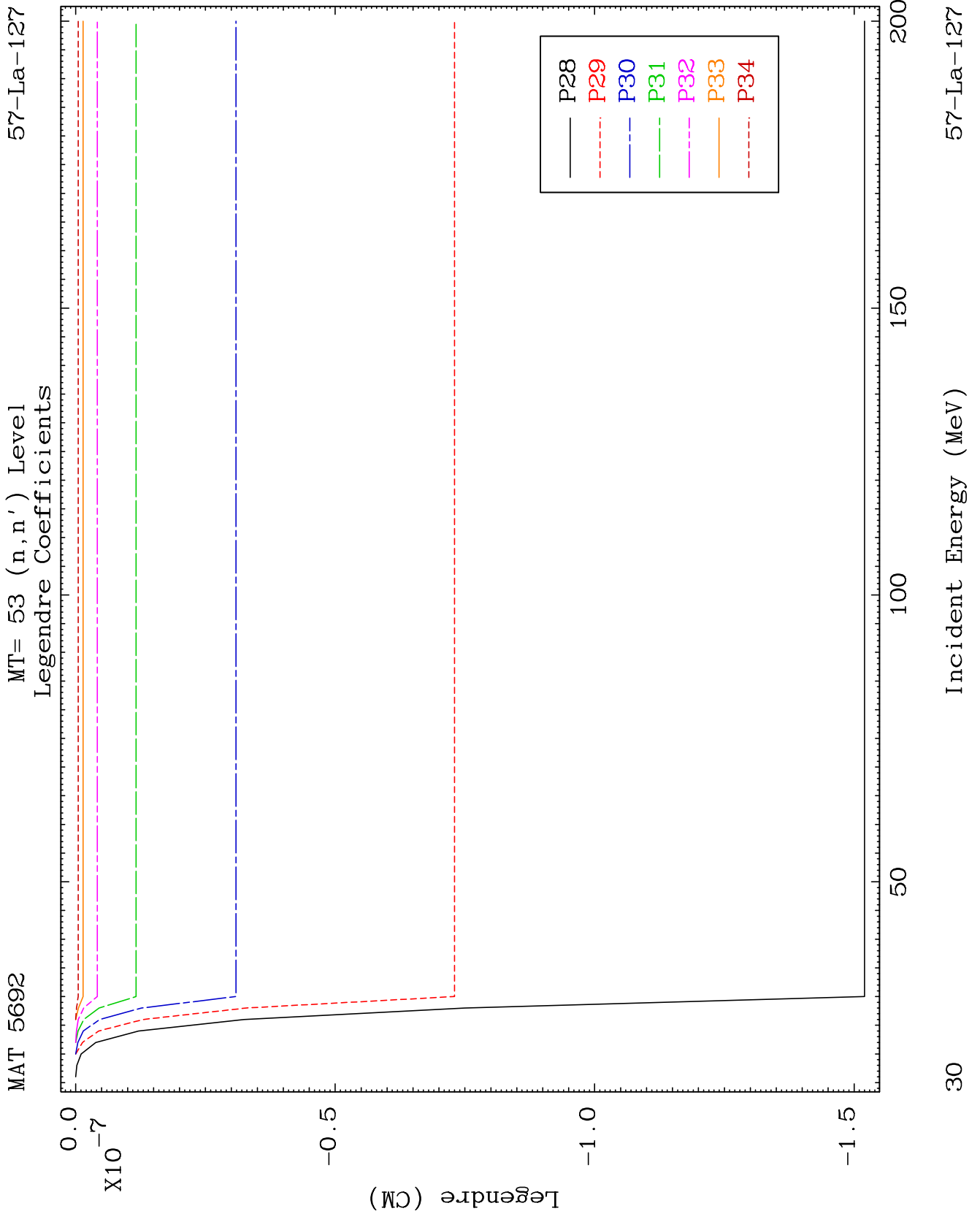
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57-La-127

Incident Energy (MeV)

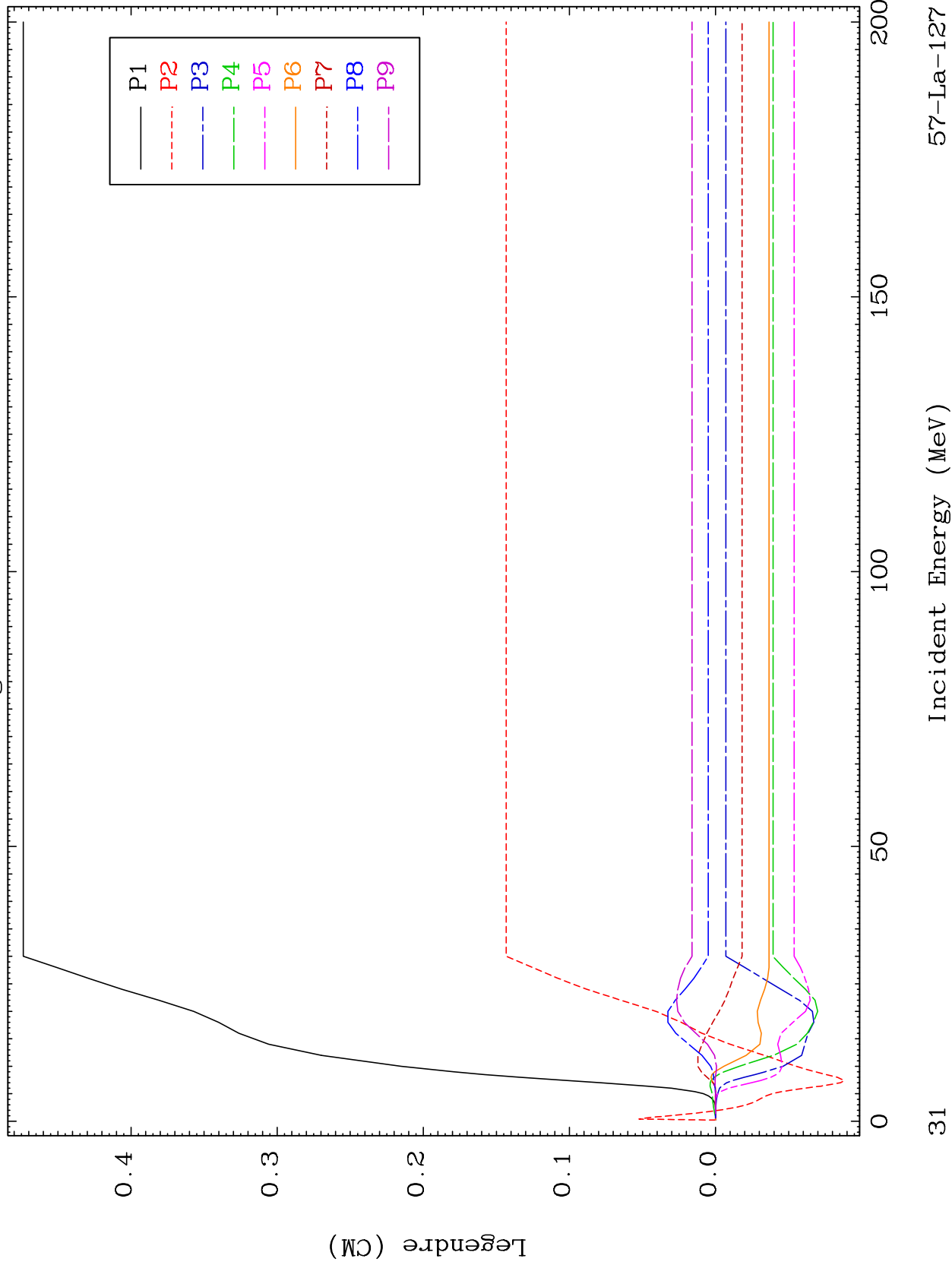
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MAT 5692

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

57-La-127



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Incident Energy (MeV)

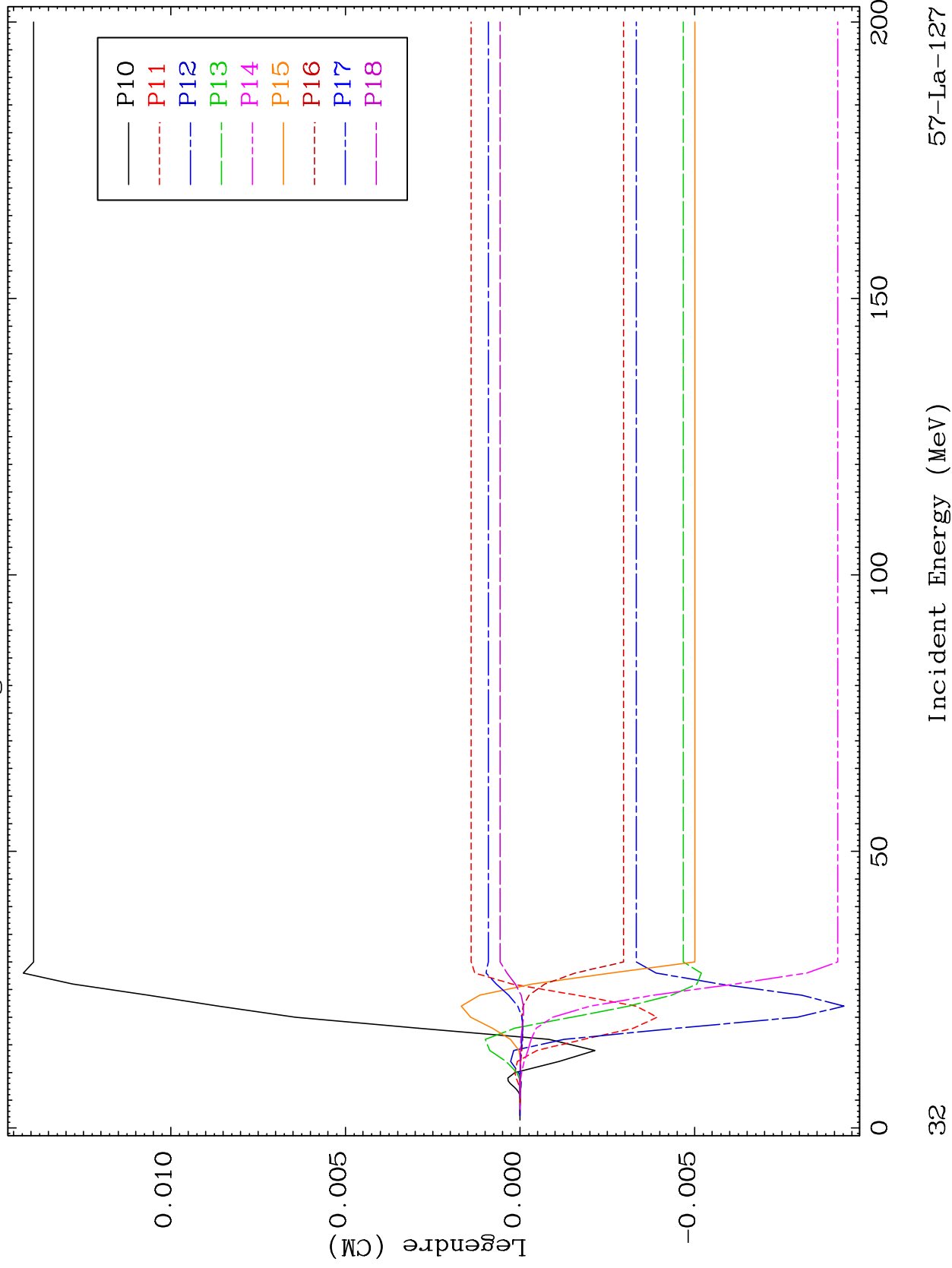
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MAT 5692

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

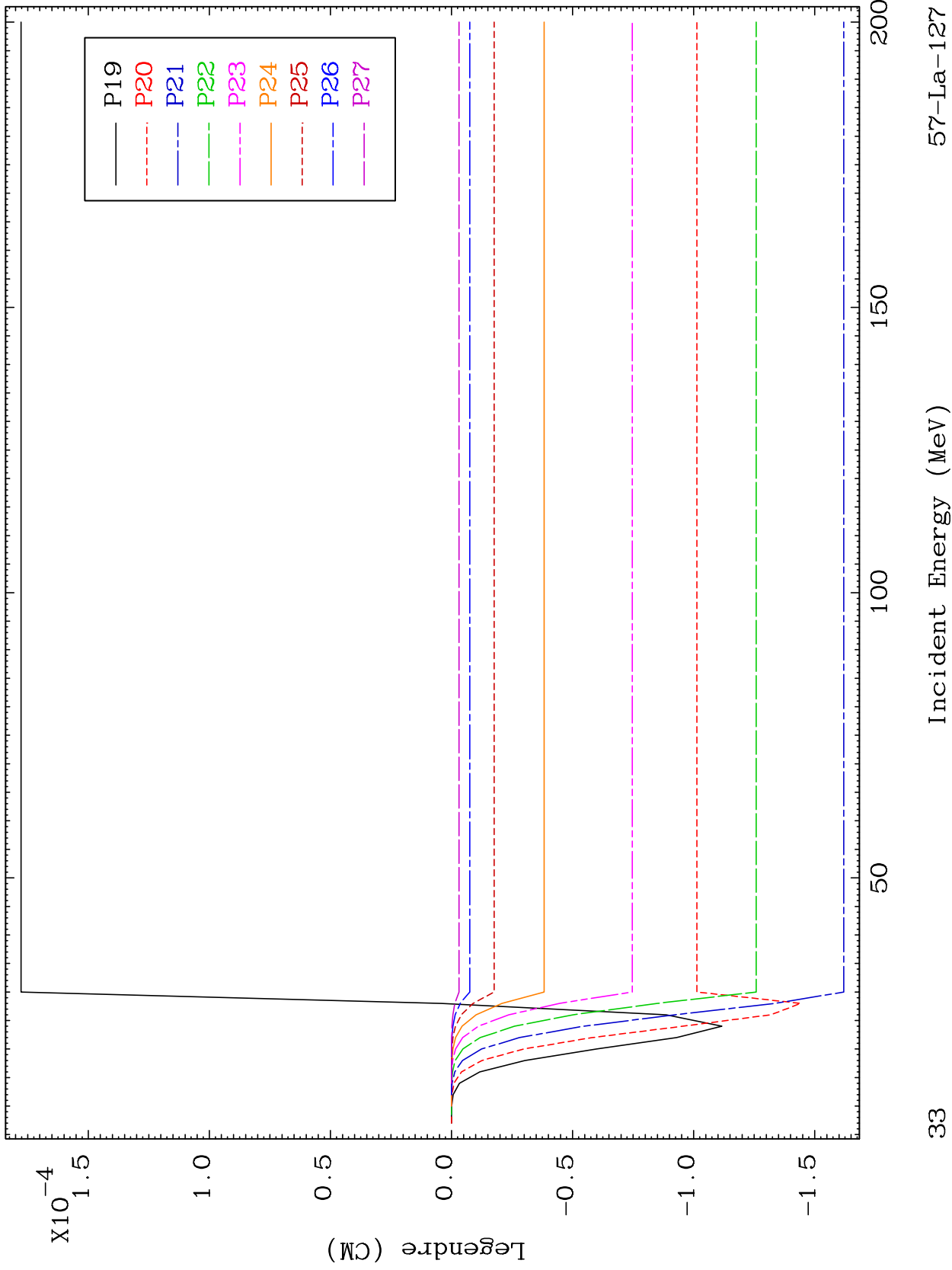
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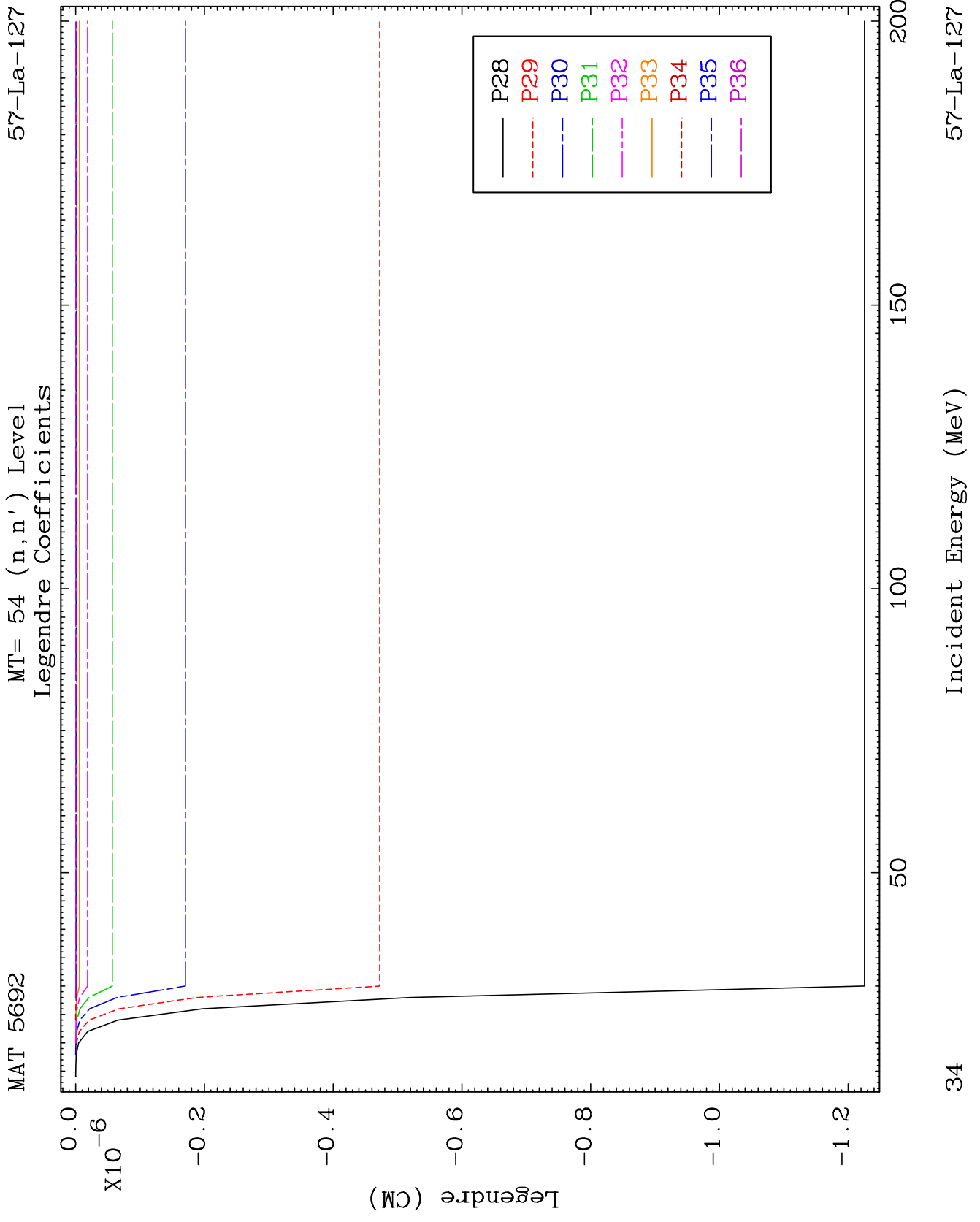


32

Incident Energy (MeV)

57-La-127

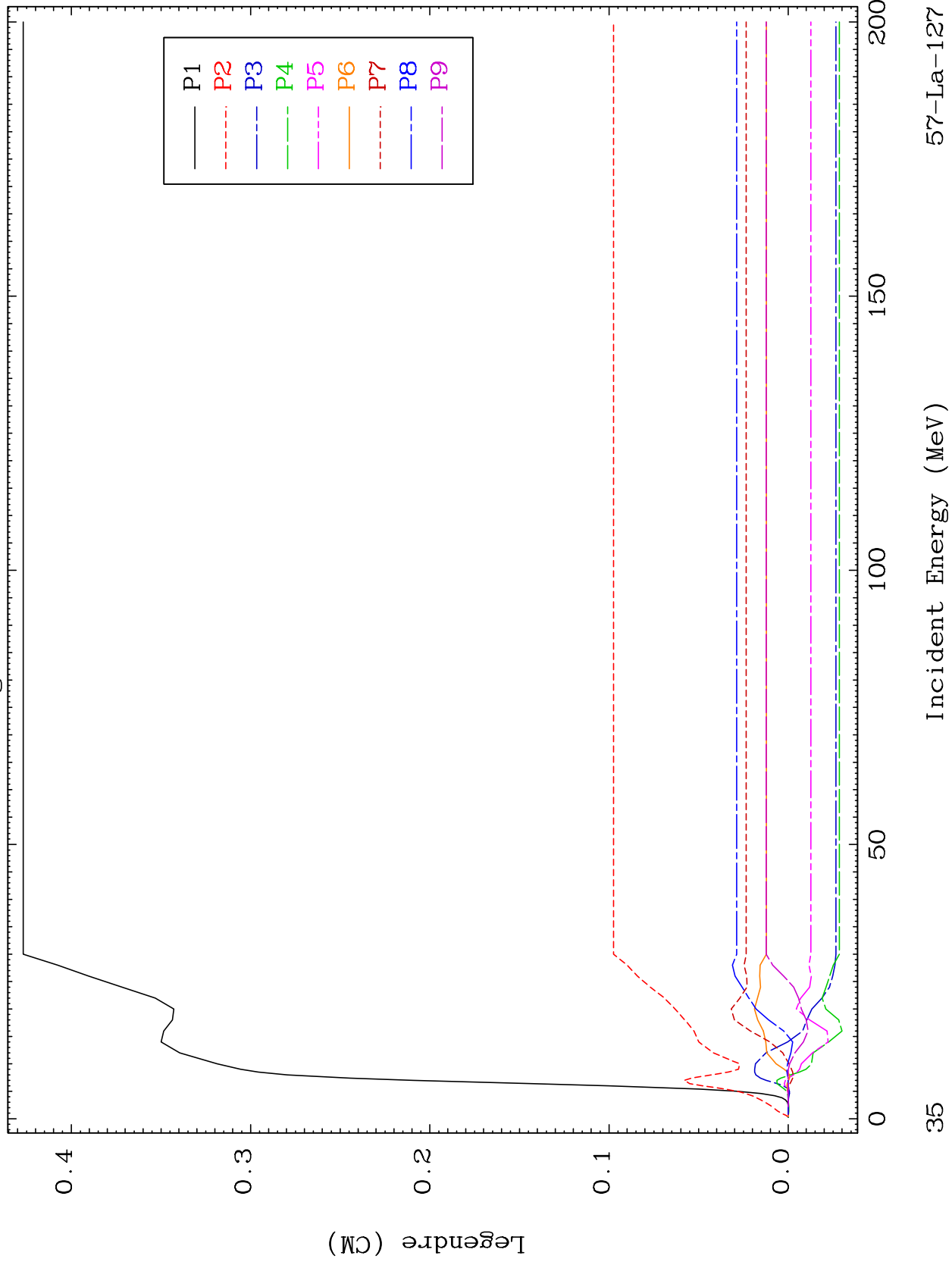




MAT 5692

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

57-La-127



57-La-127

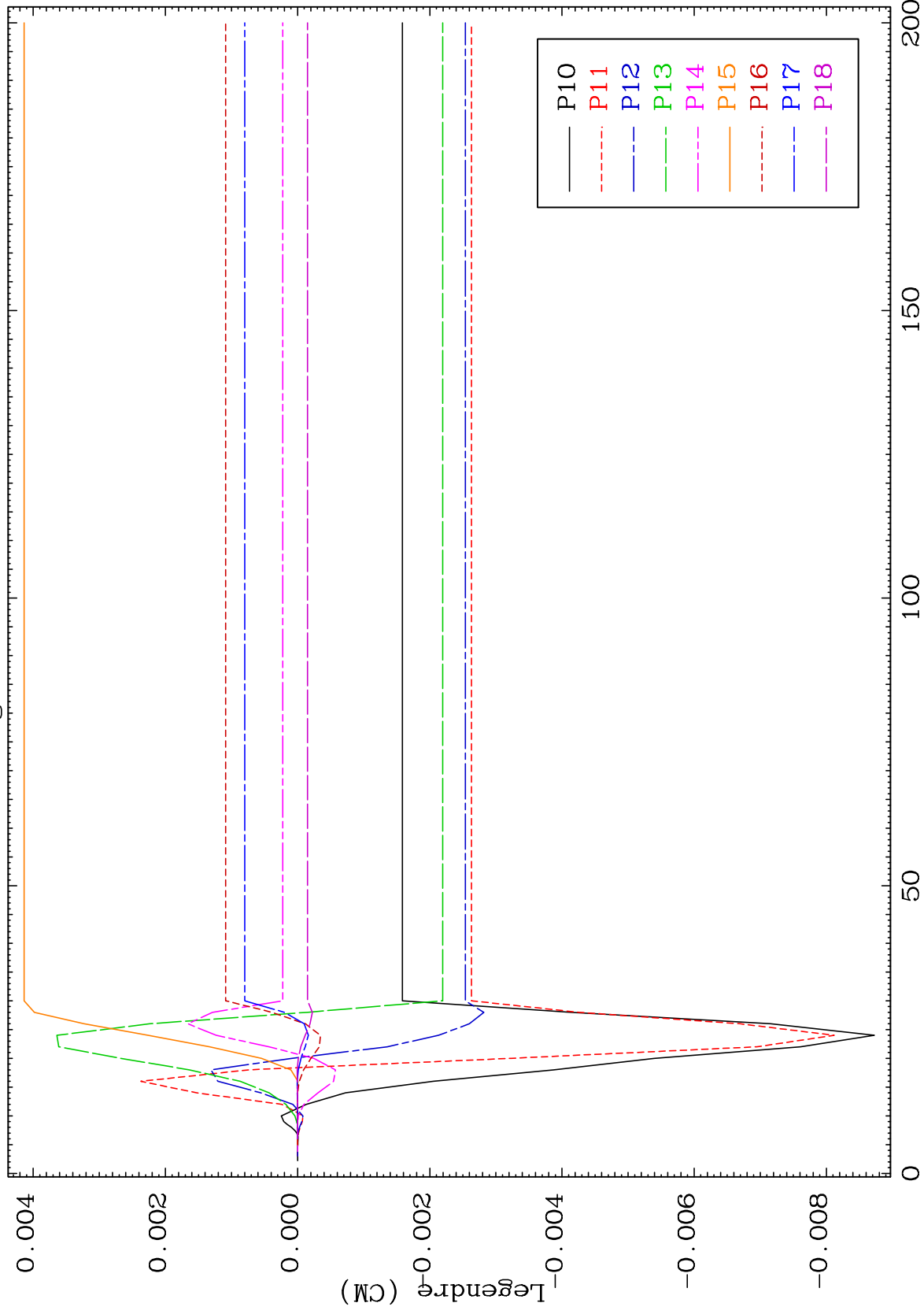
Incident Energy (MeV)

35

MAT 5692

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

57-La-127



36

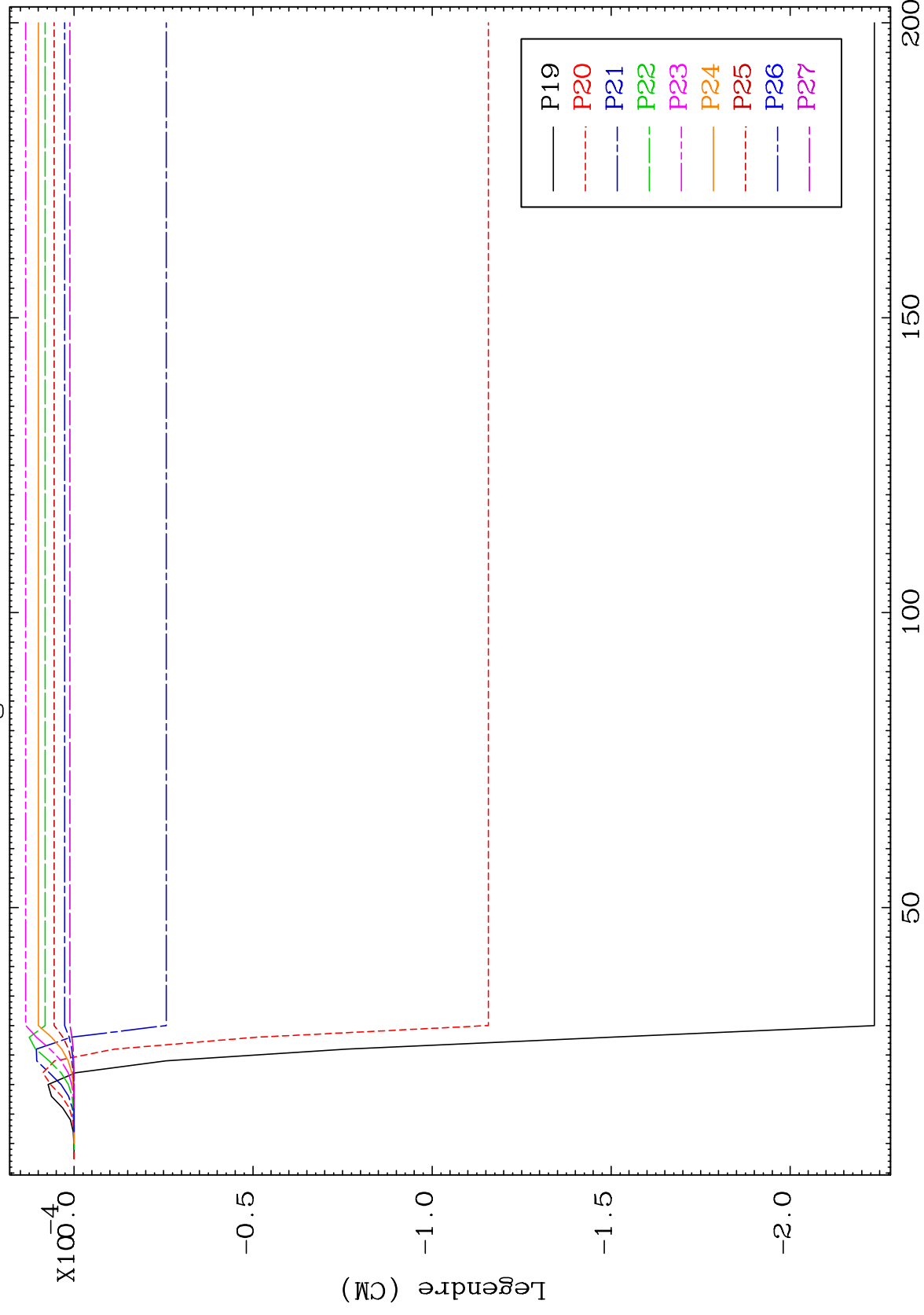
Incident Energy (MeV)

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MAT 5692

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

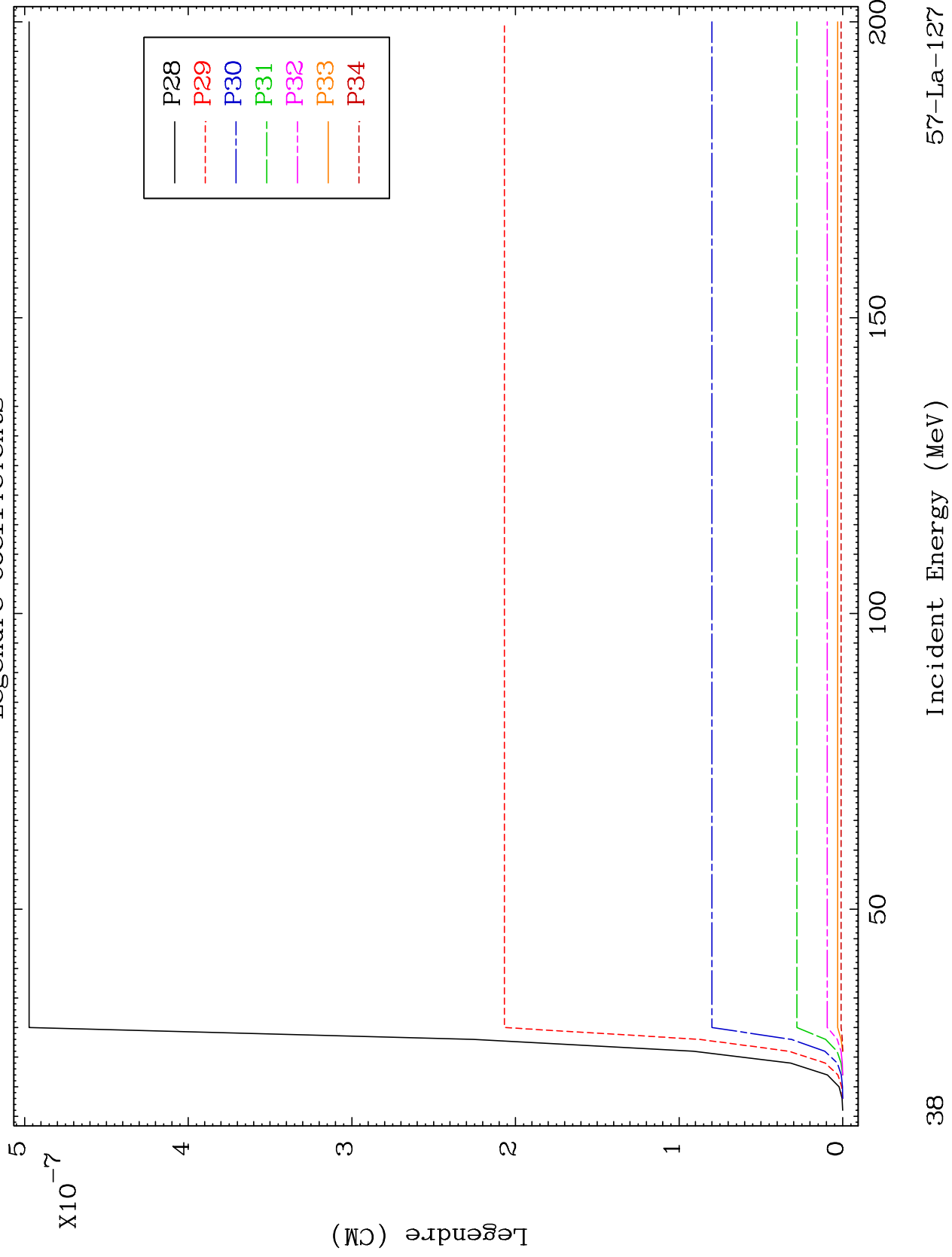
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MAT 5692

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

57-La-127



38

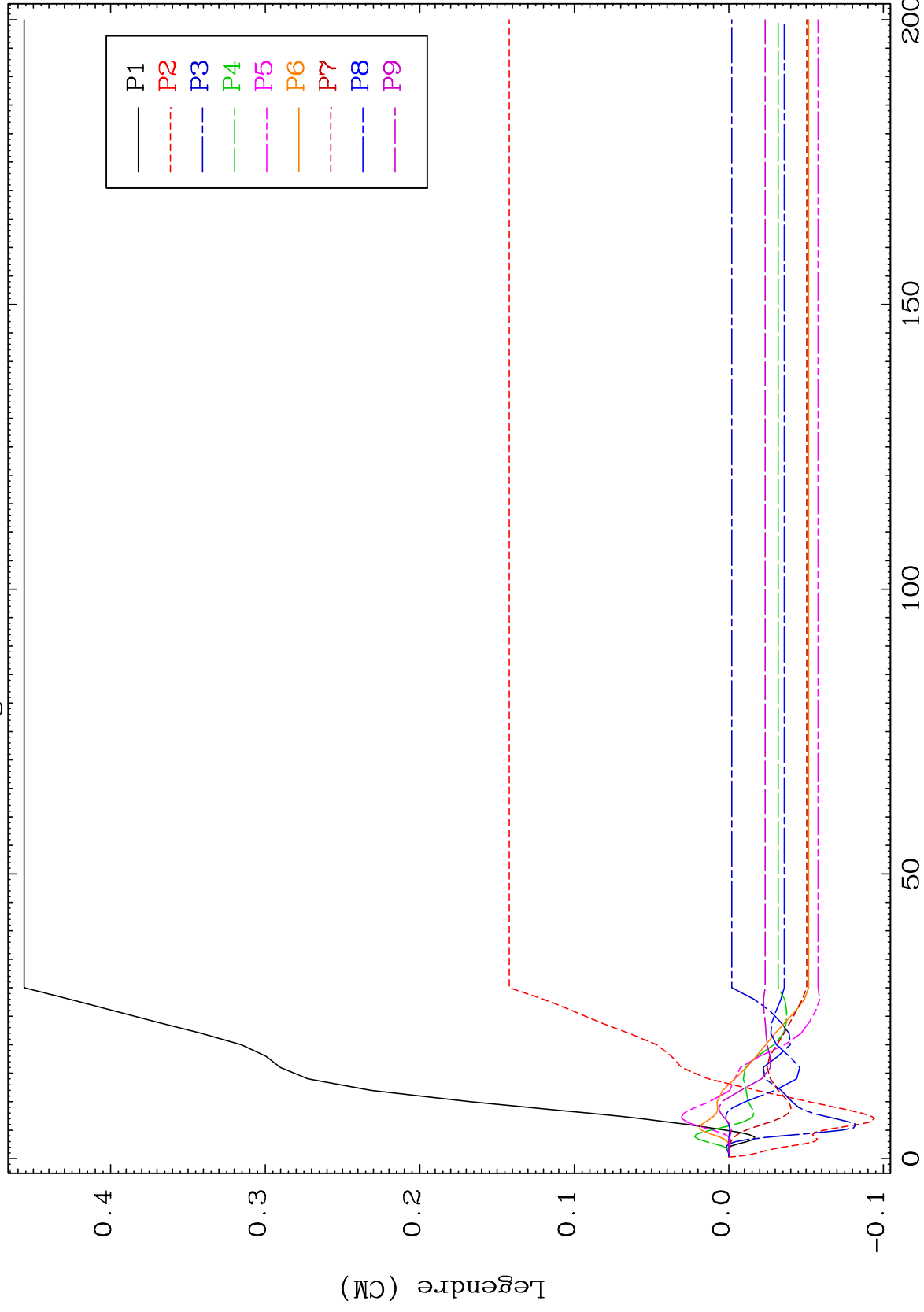
Incident Energy (MeV)

57-La-127

MAT 5692

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

57-La-127



57-La-127

Incident Energy (MeV)

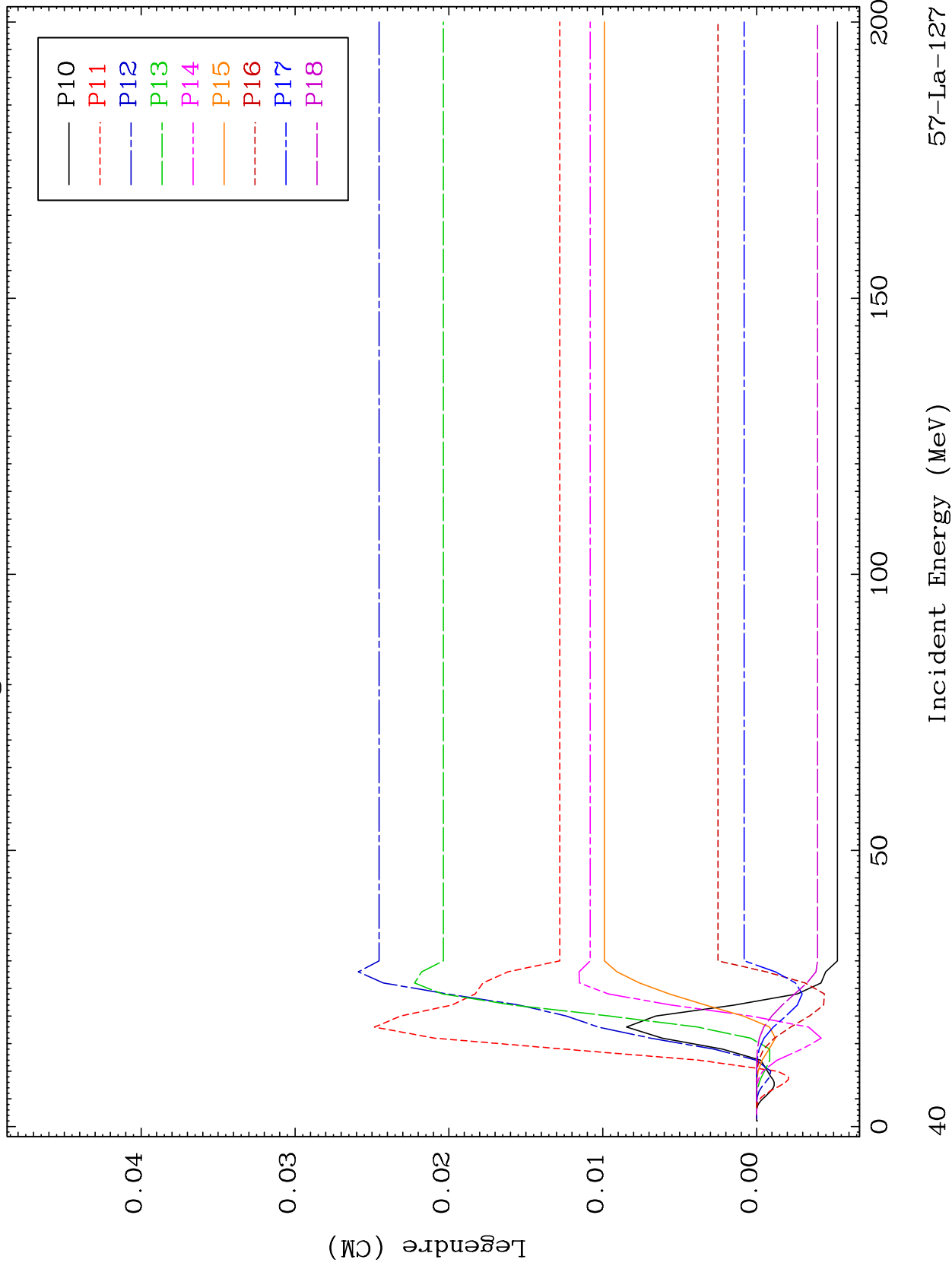
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MAT 5692

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

57-La-127



57-La-127

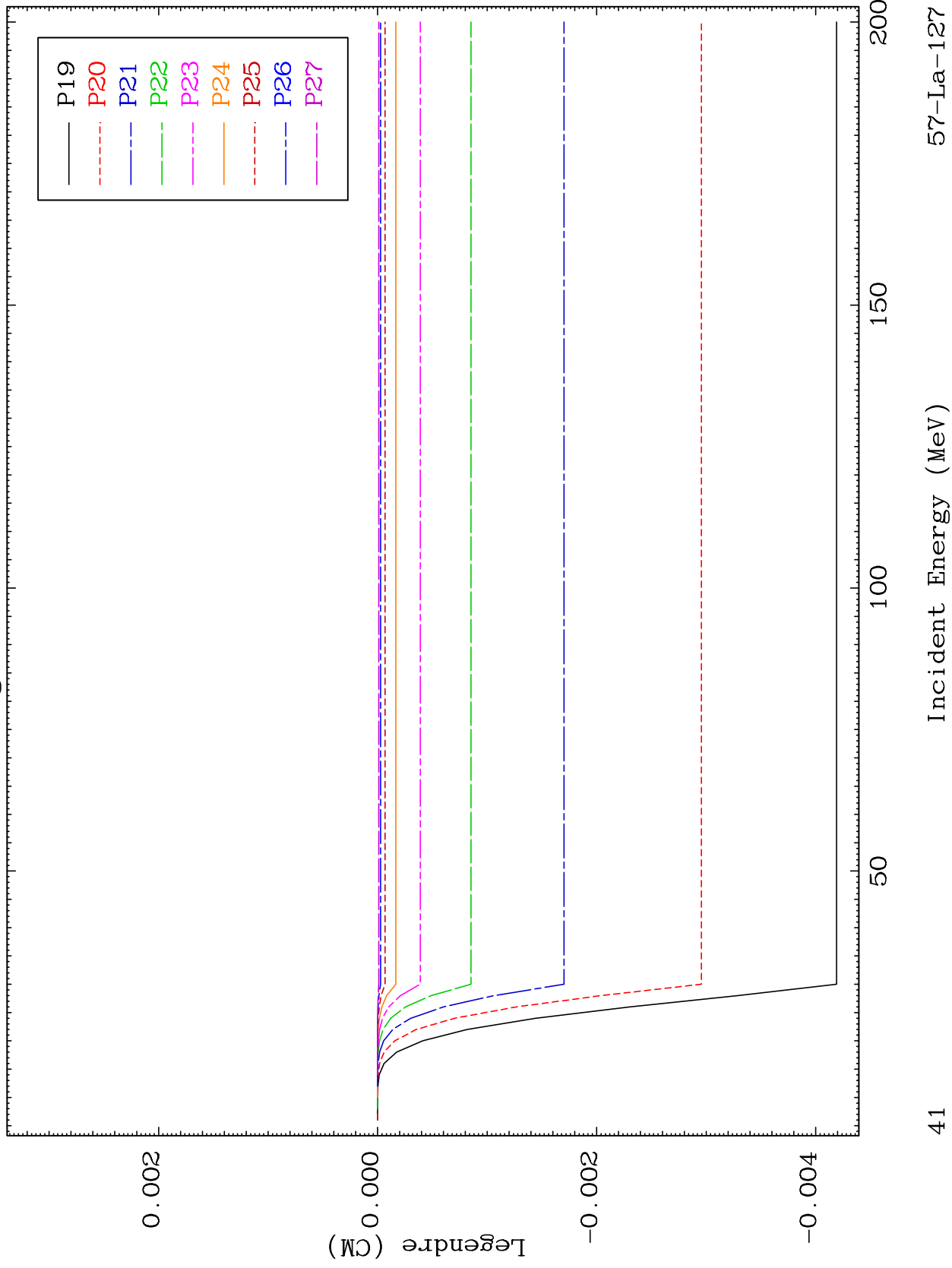
Incident Energy (MeV)

40

MAT 5692

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

57-La-127



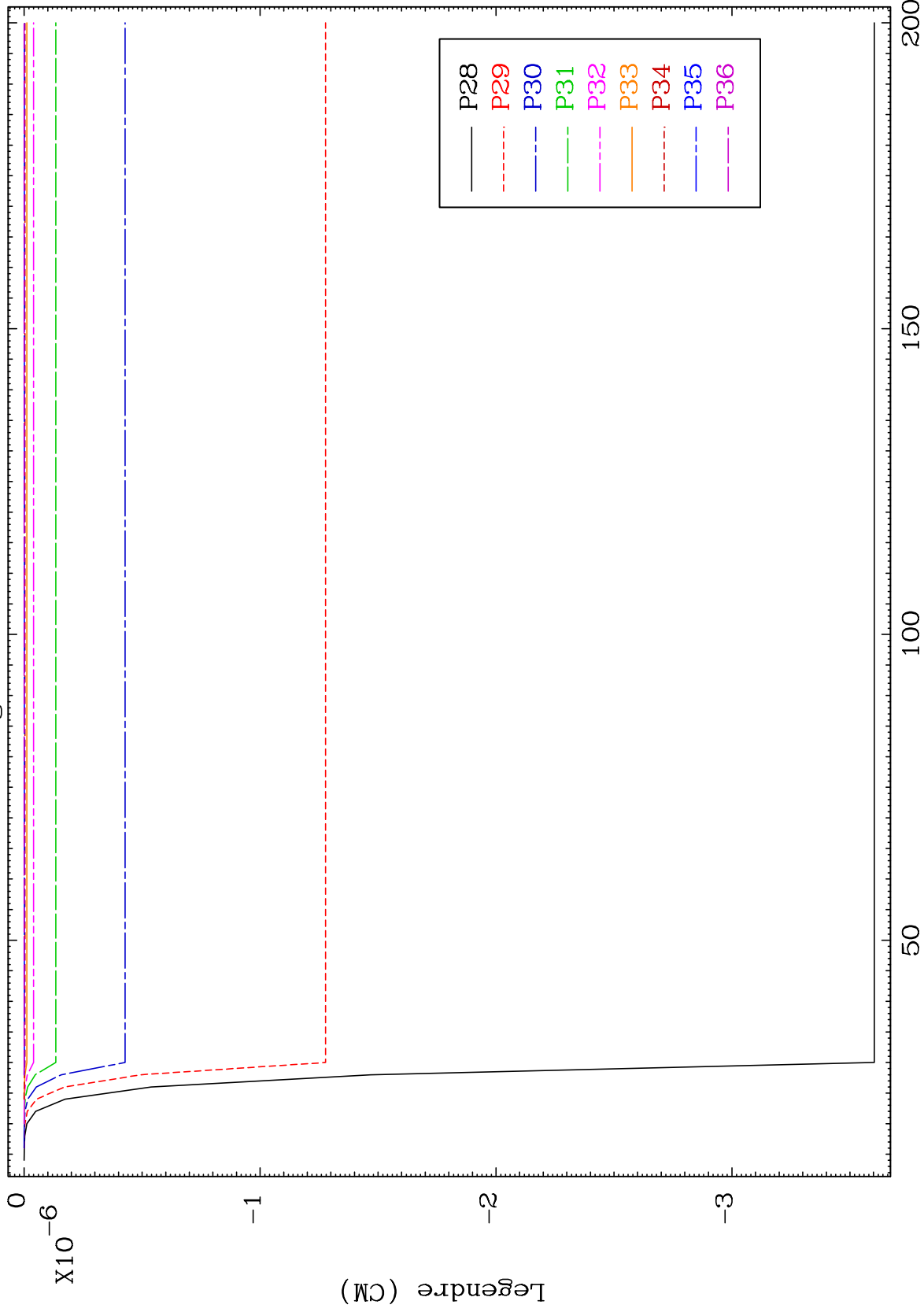
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57-La-127

MAT 5692

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

57-La-127



42

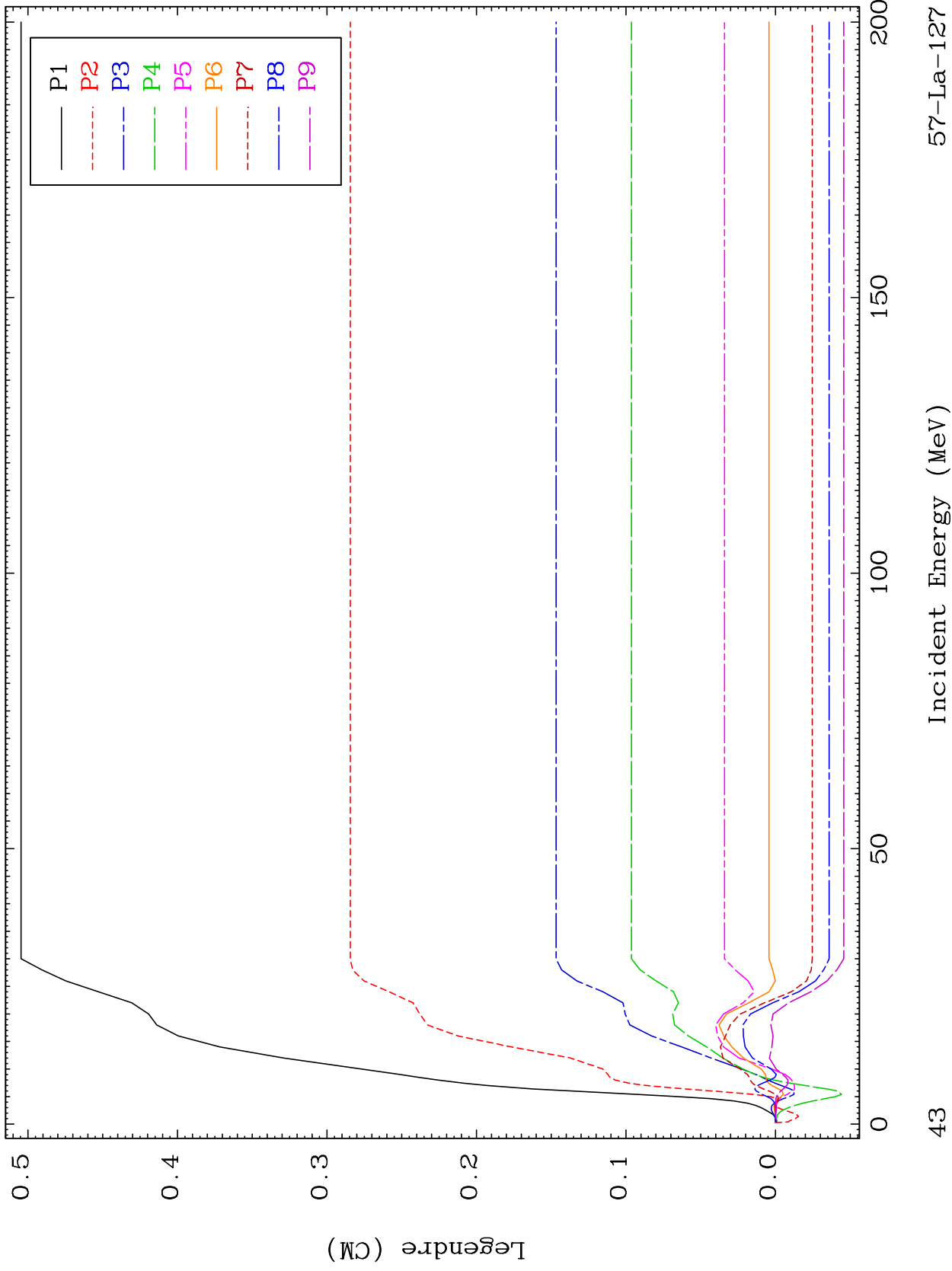
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57-La-127

MAT 5692

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

57-La-127



57-La-127

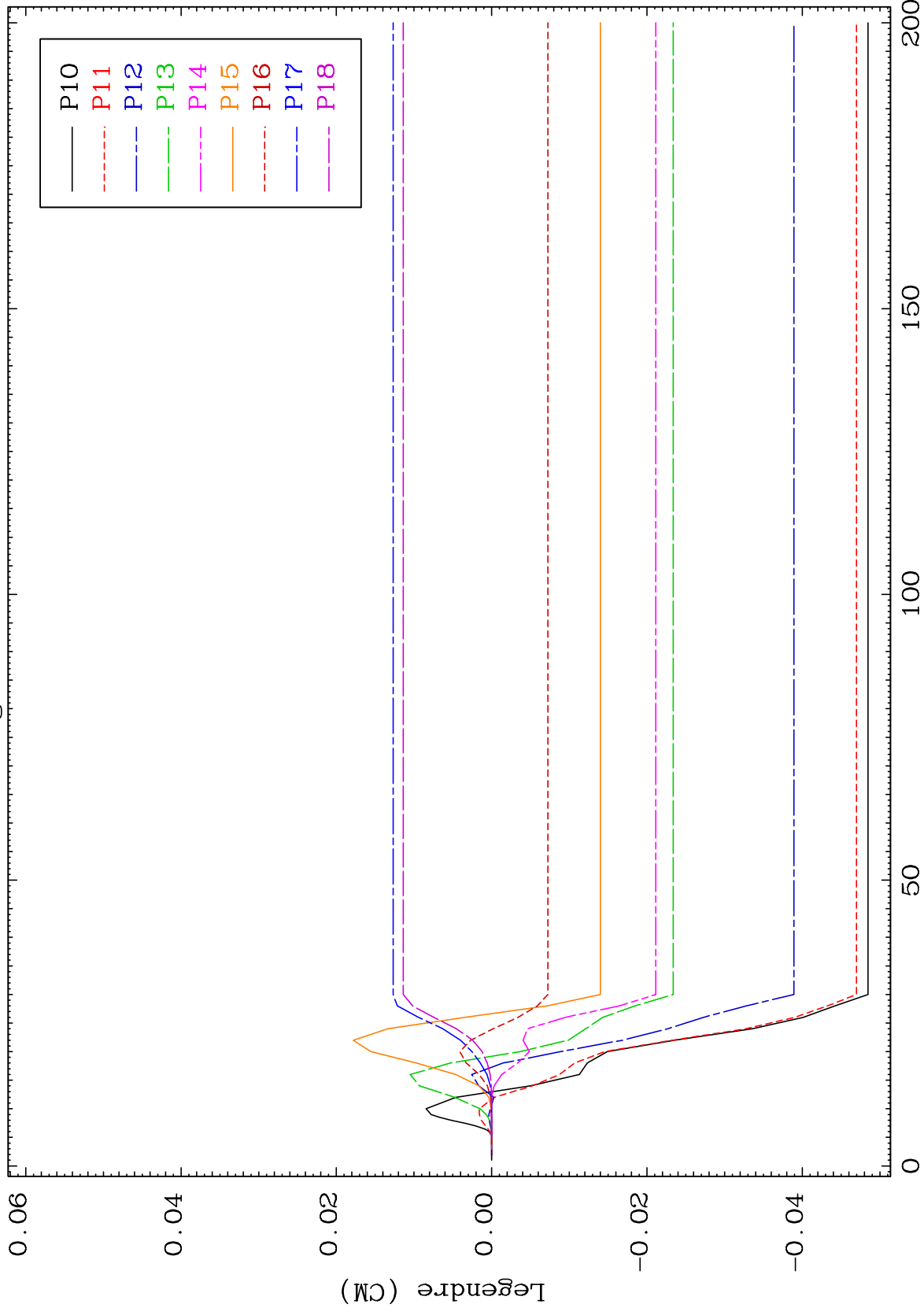
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43

MAT 5692

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

57-La-127



44

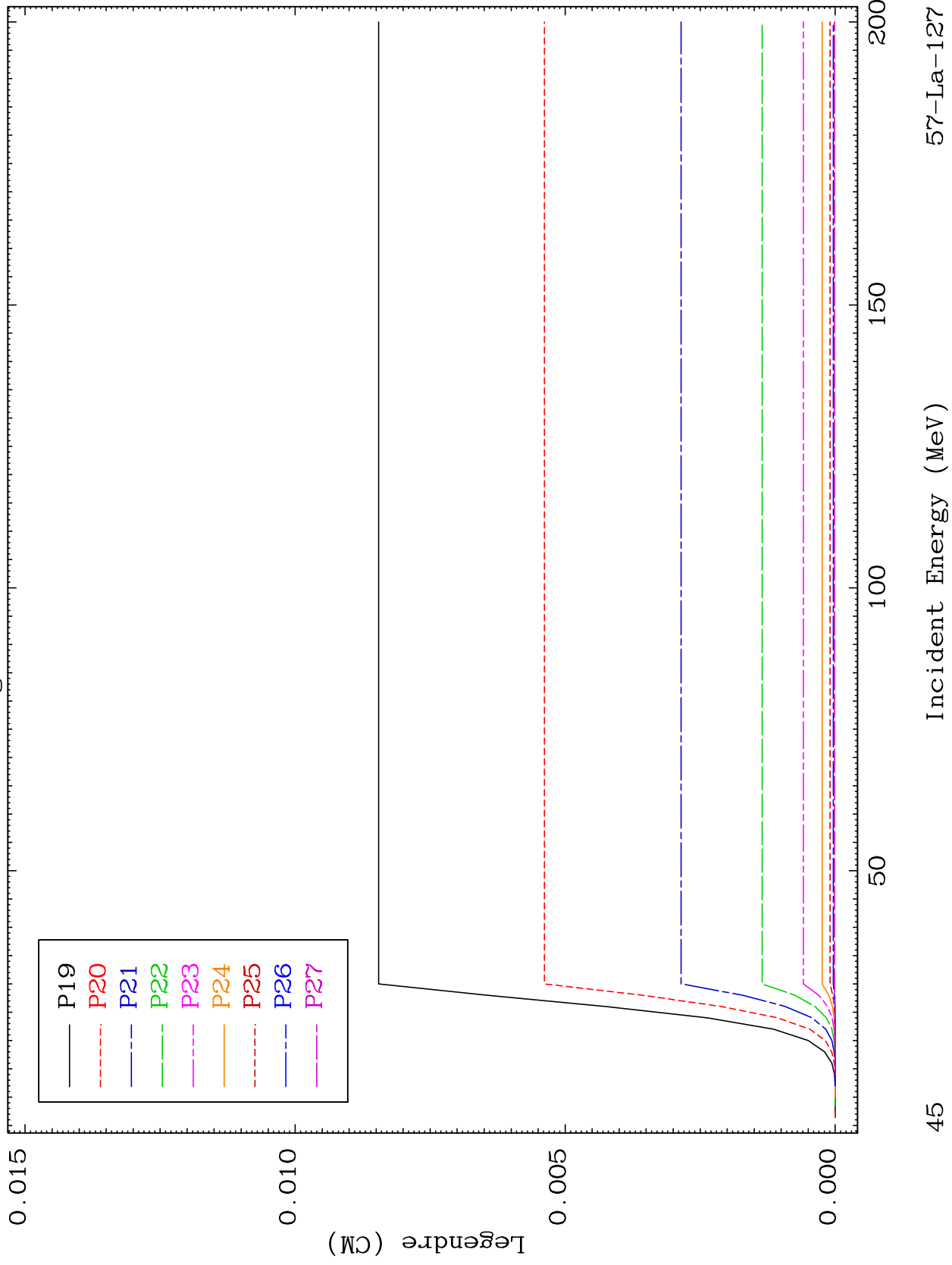
Incident Energy (MeV)

57-La-127

MAT 5692

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

57-La-127



45

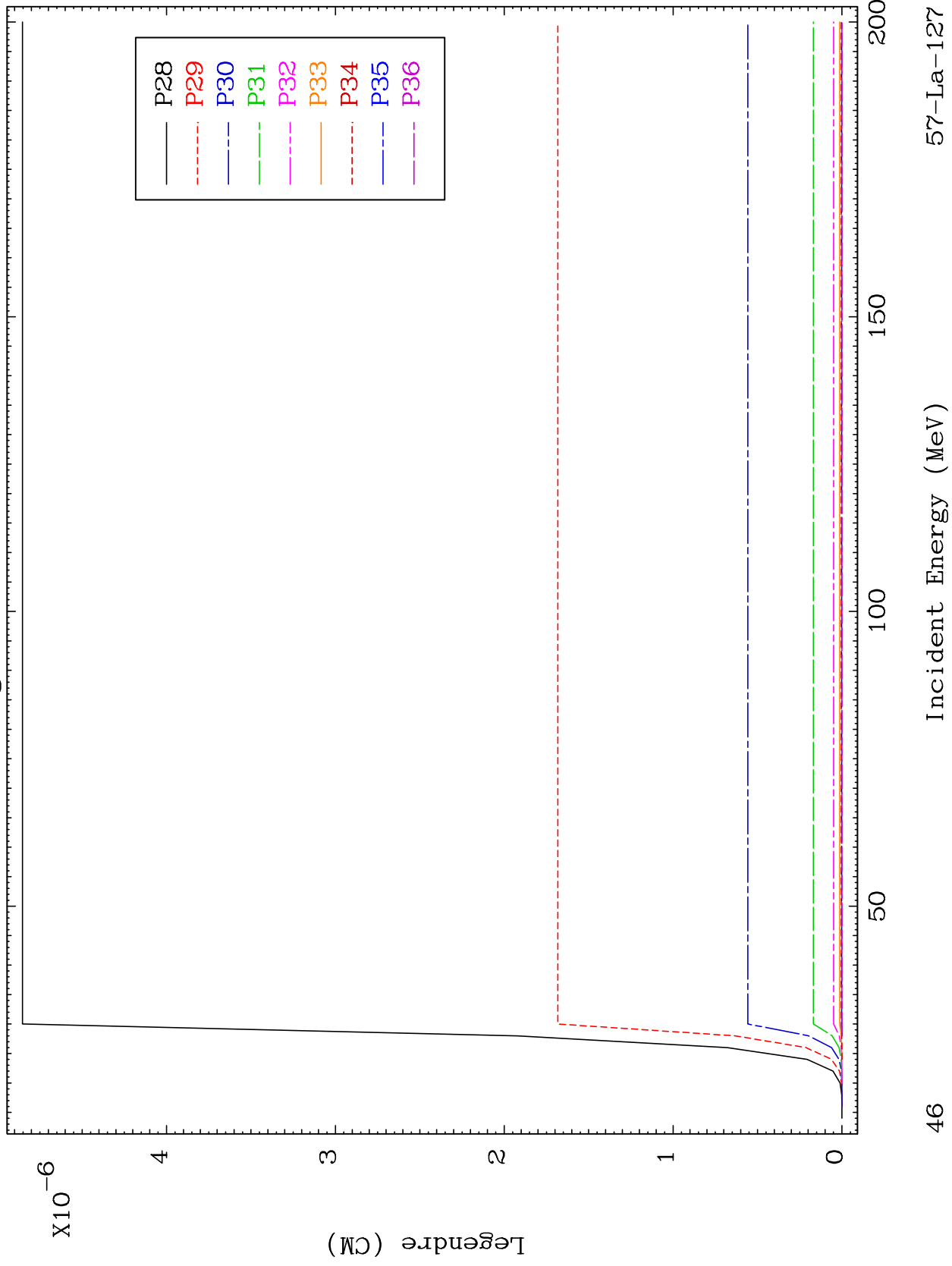
Incident Energy (MeV)

57-La-127

MAT 5692

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

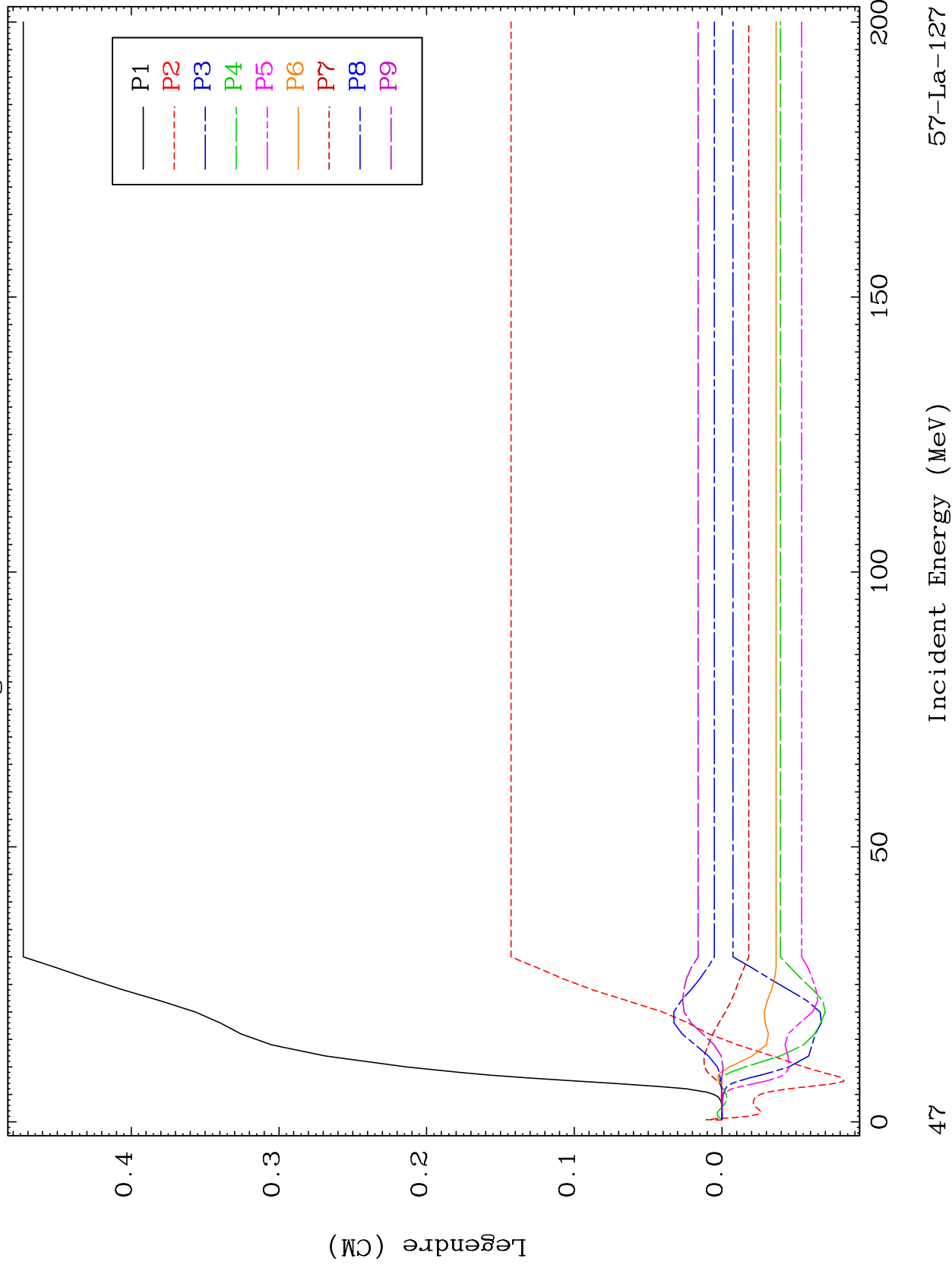
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MAT 5692

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

57-La-127



57-La-127

Incident Energy (MeV)

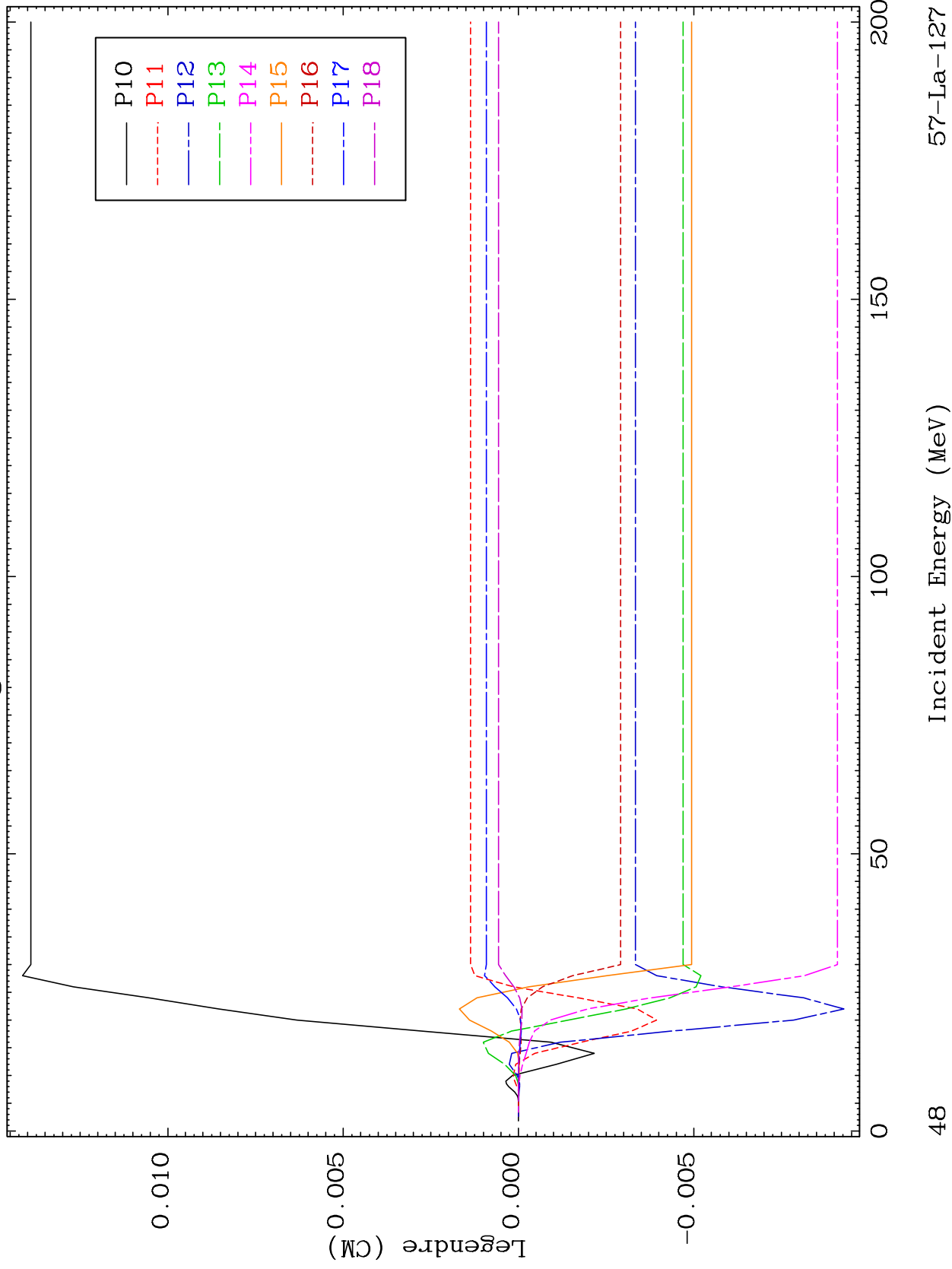
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MAT 5692

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

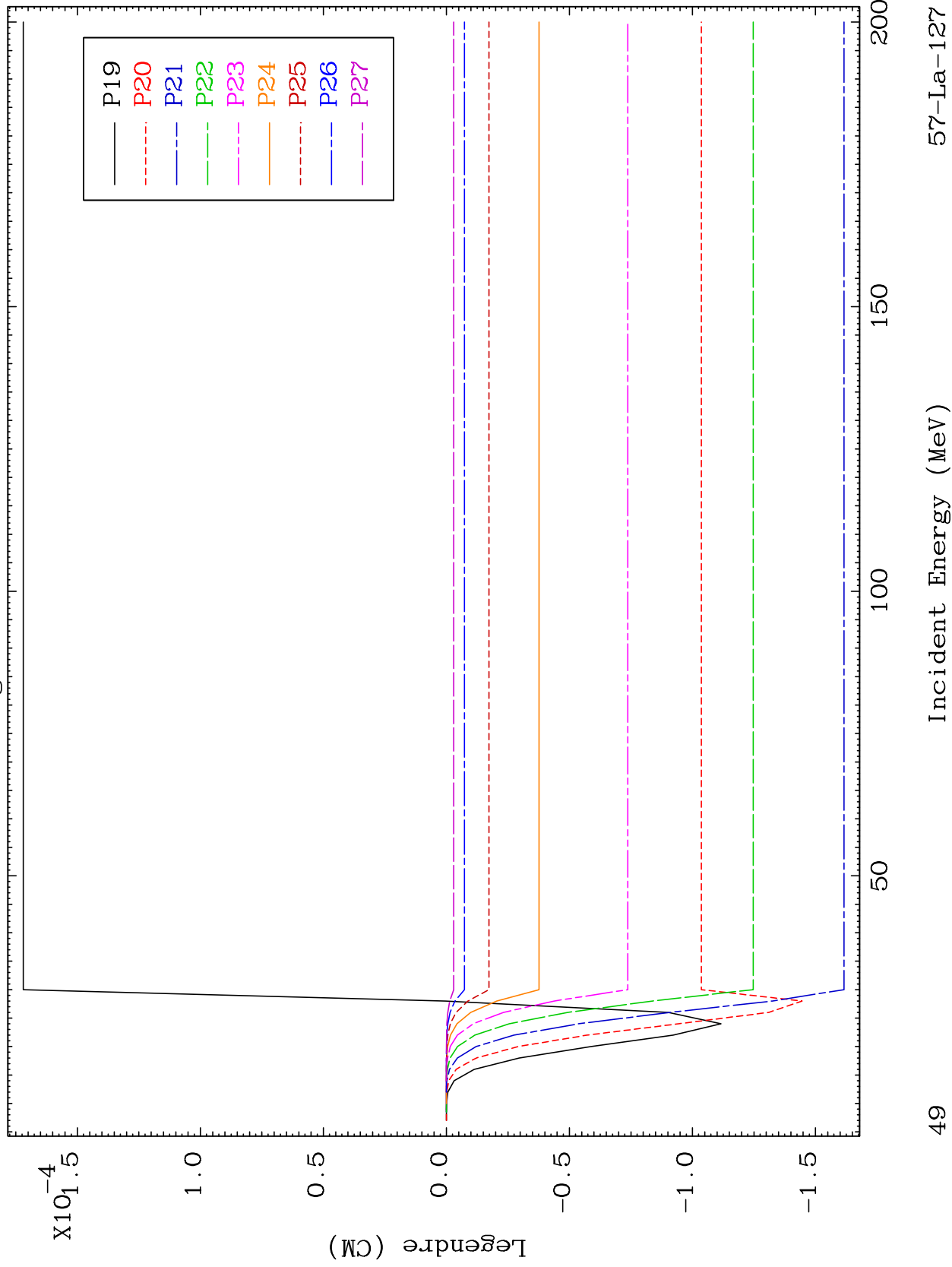
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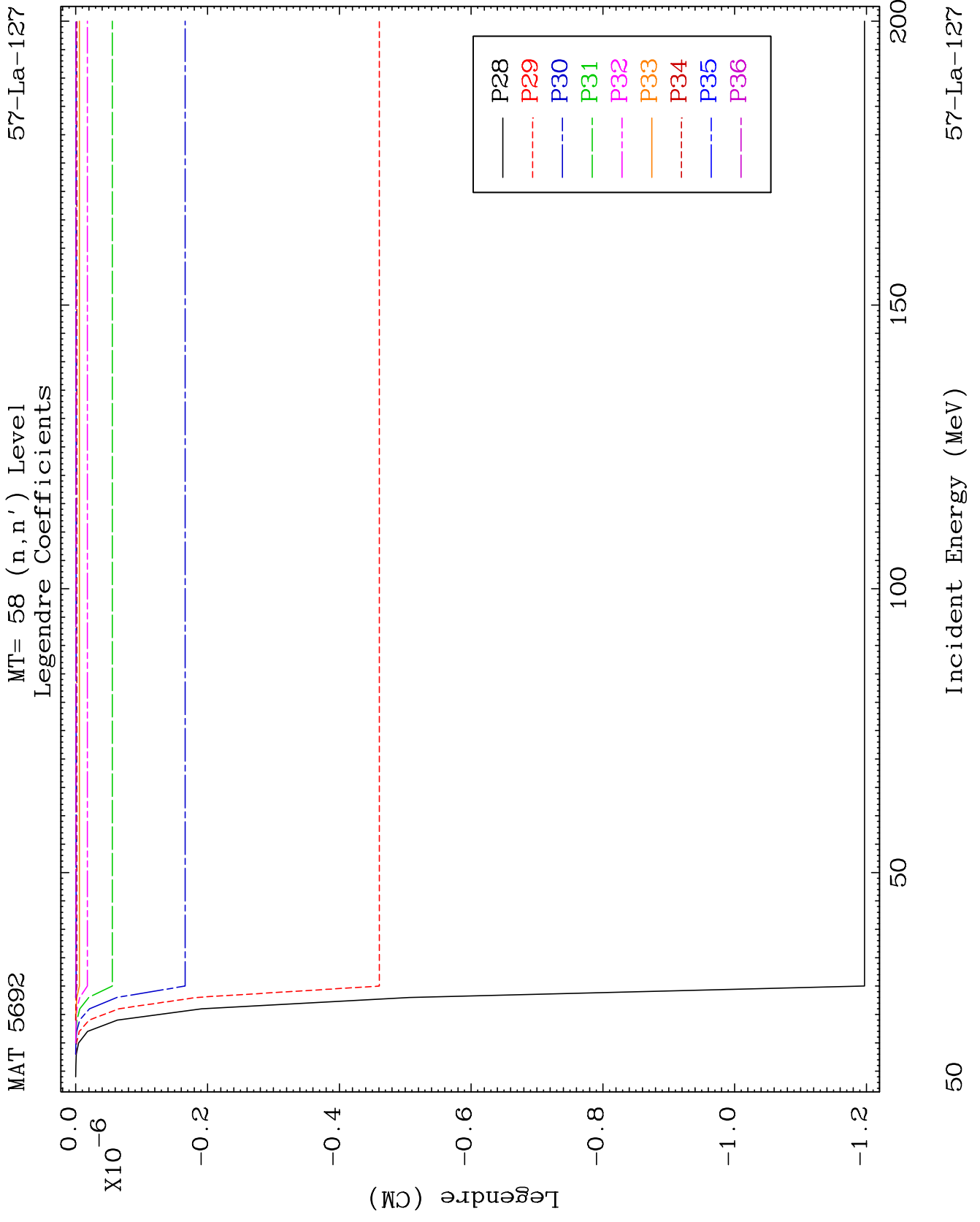


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Incident Energy (MeV)

57-La-127

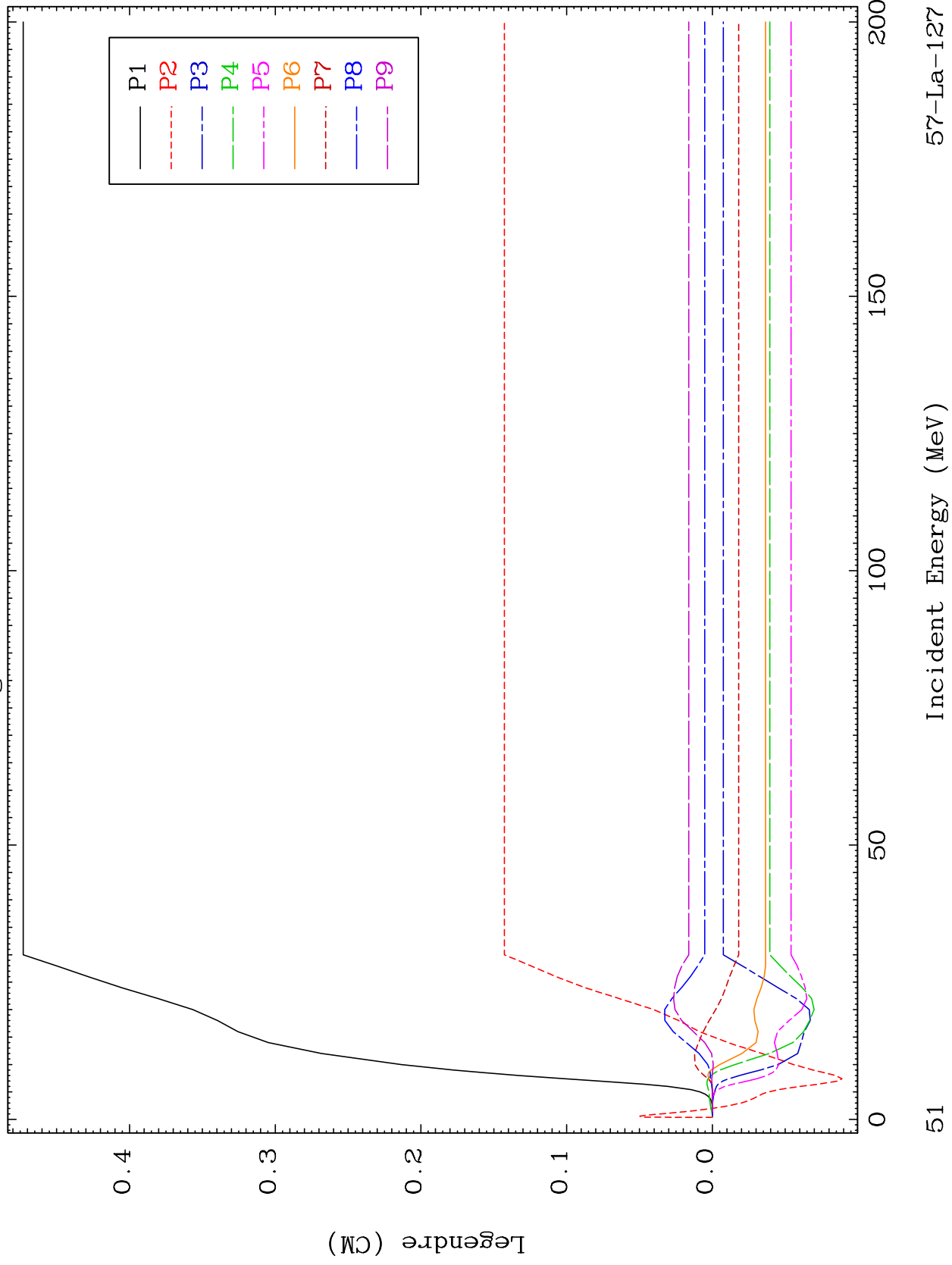




MAT 5692

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

57-La-127



57-La-127

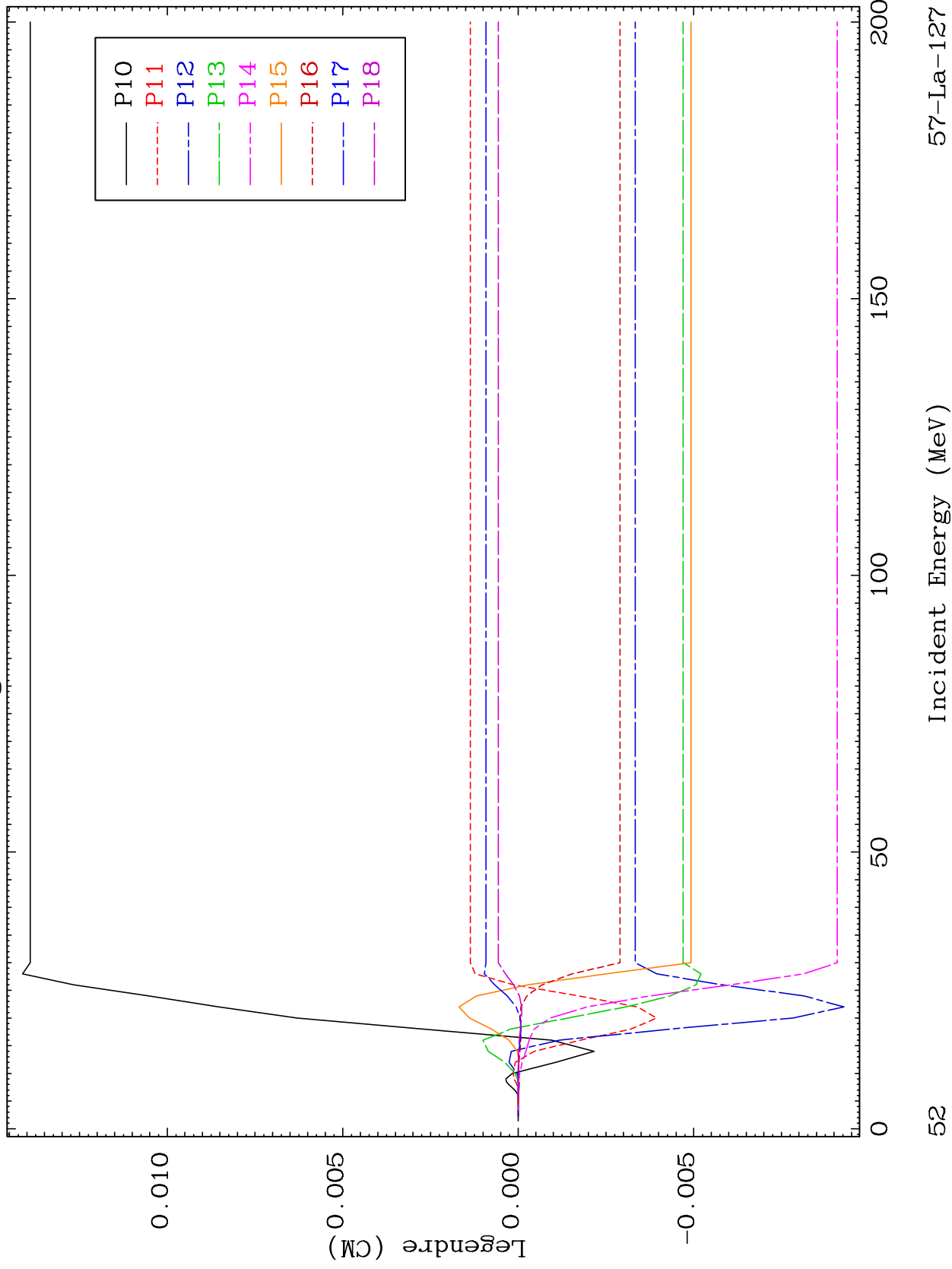
Incident Energy (MeV)

51

MAT 5692

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

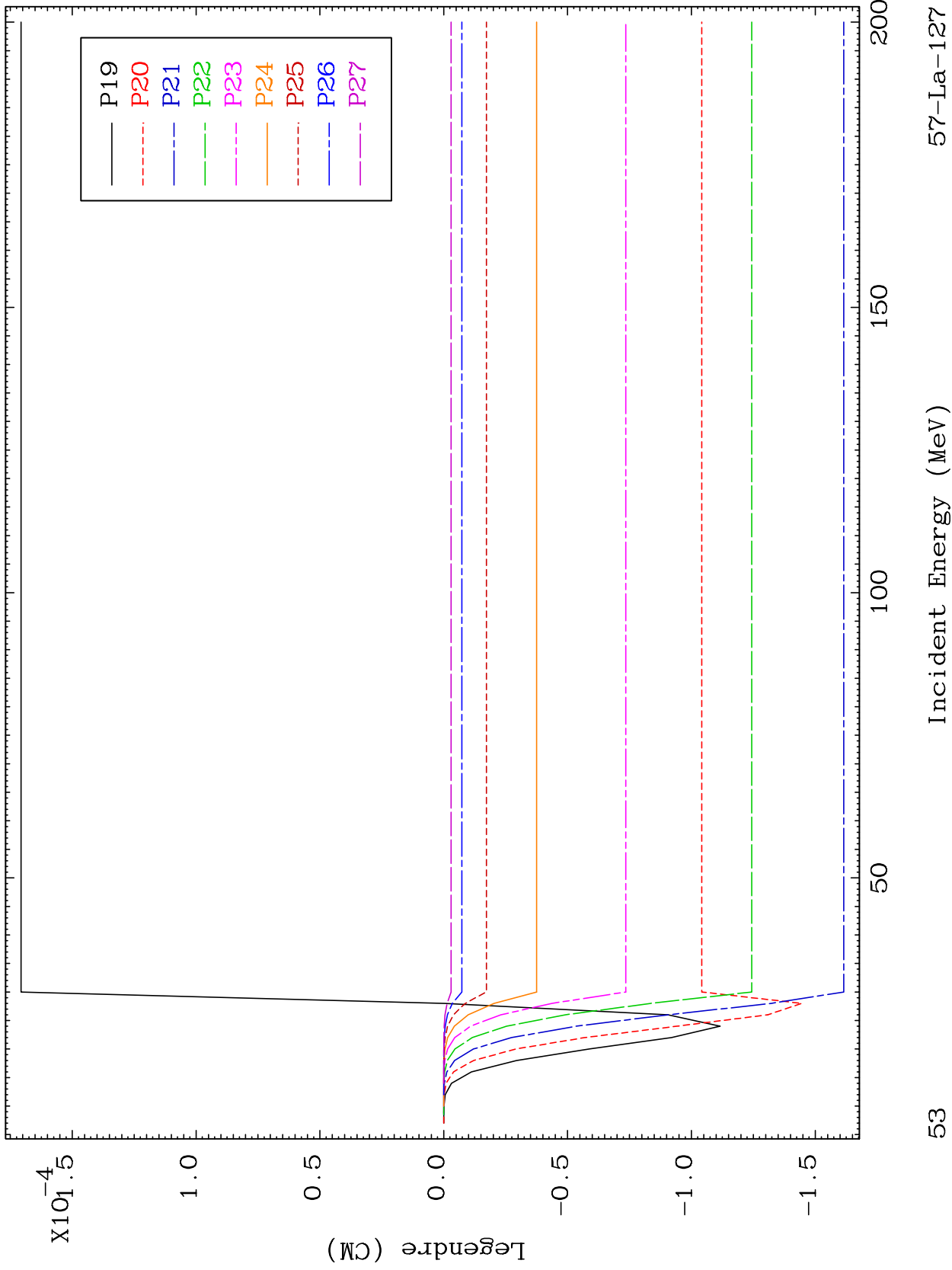
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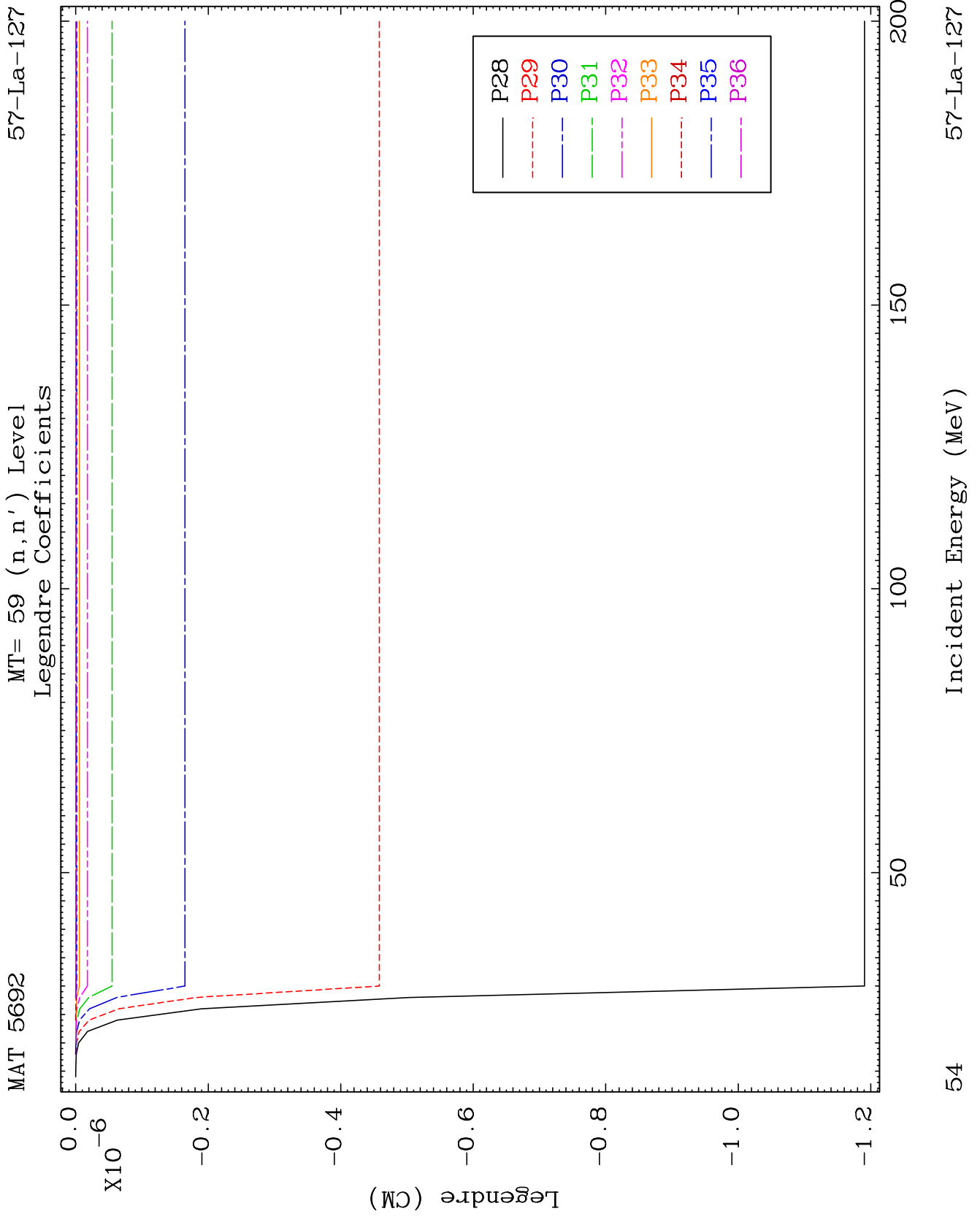


57-La-127

Incident Energy (MeV)

52

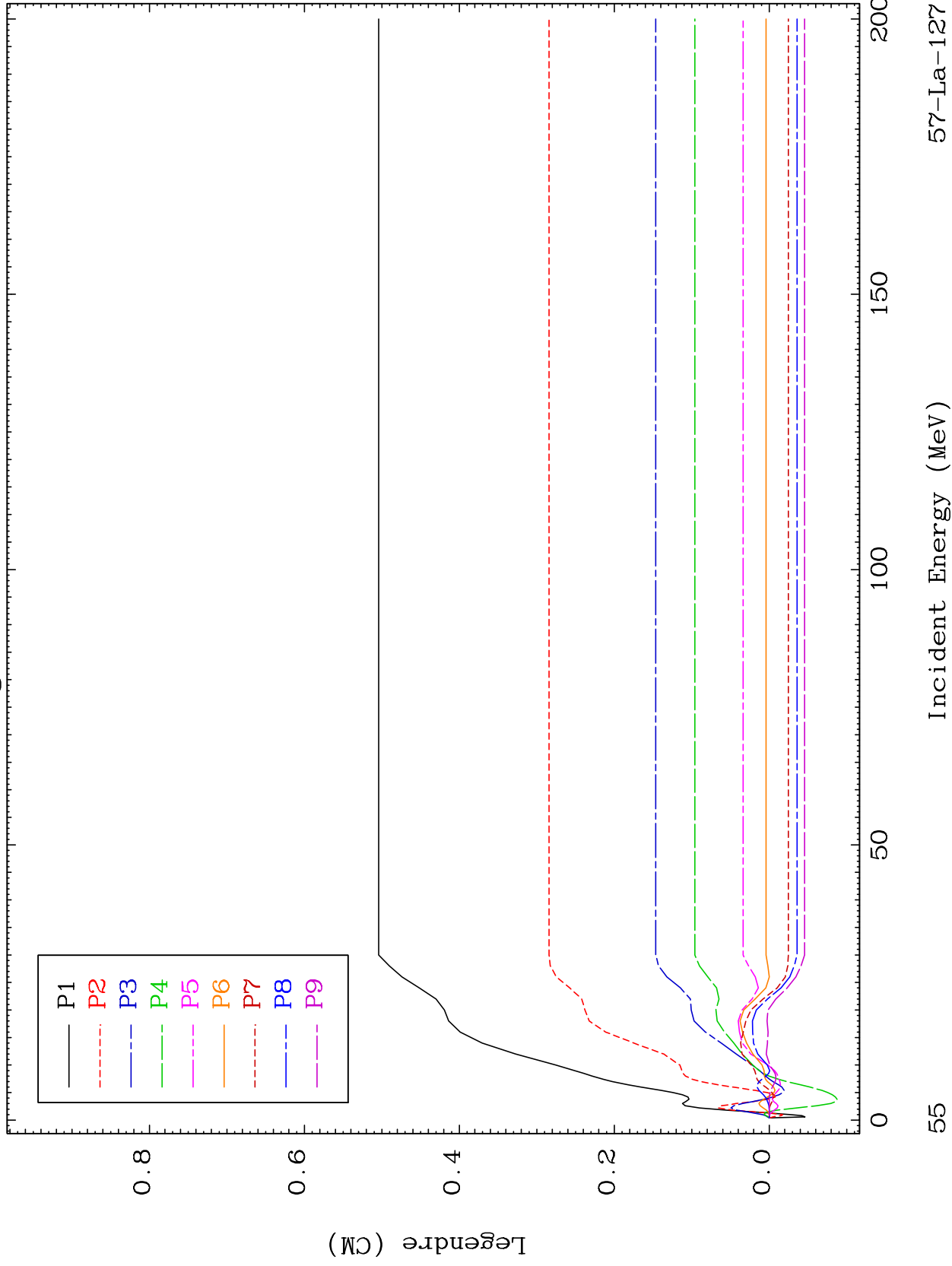




MAT 5692

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

57-La-127



57-La-127

Incident Energy (MeV)

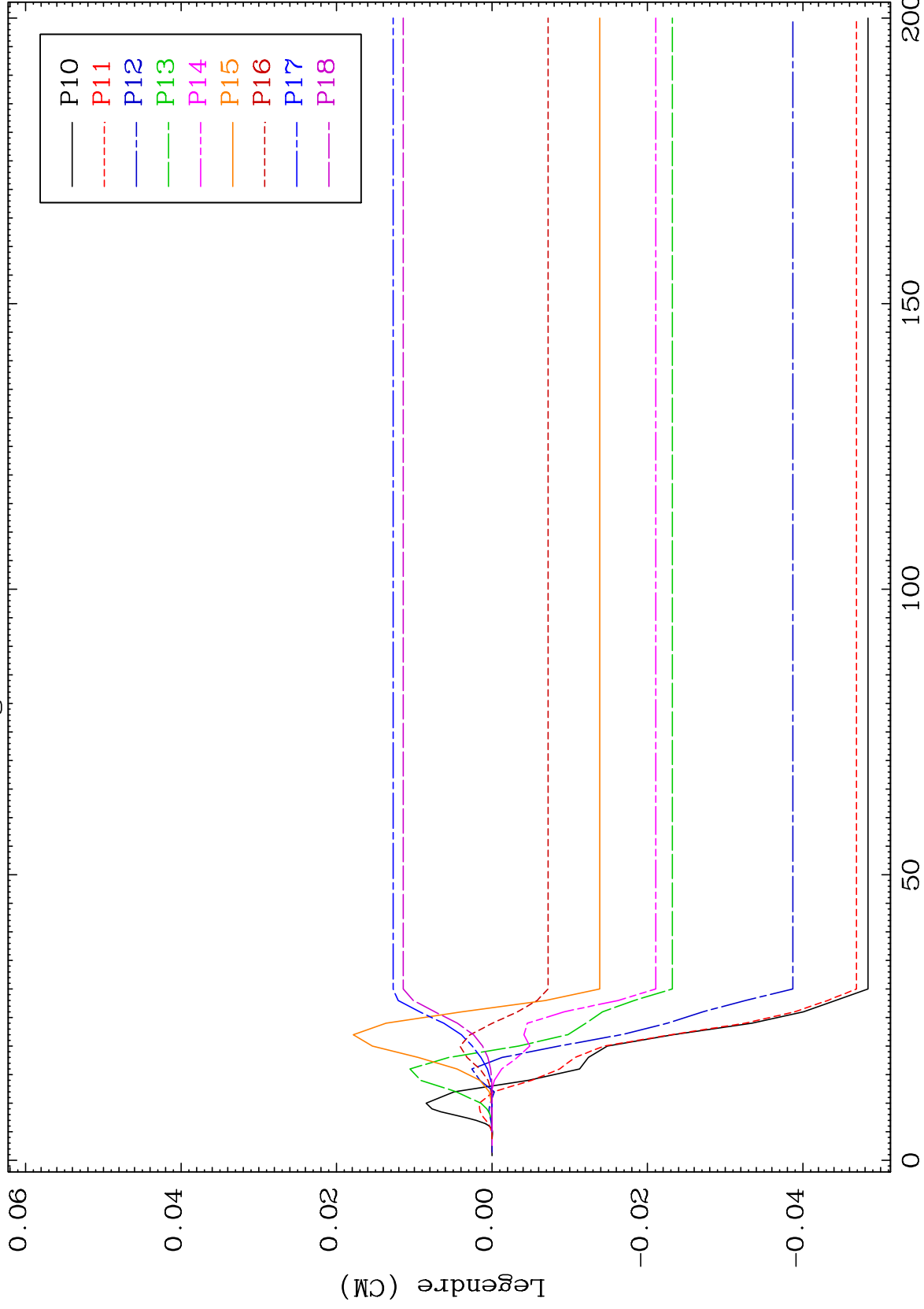
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MAT 5692

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

57-La-127



56

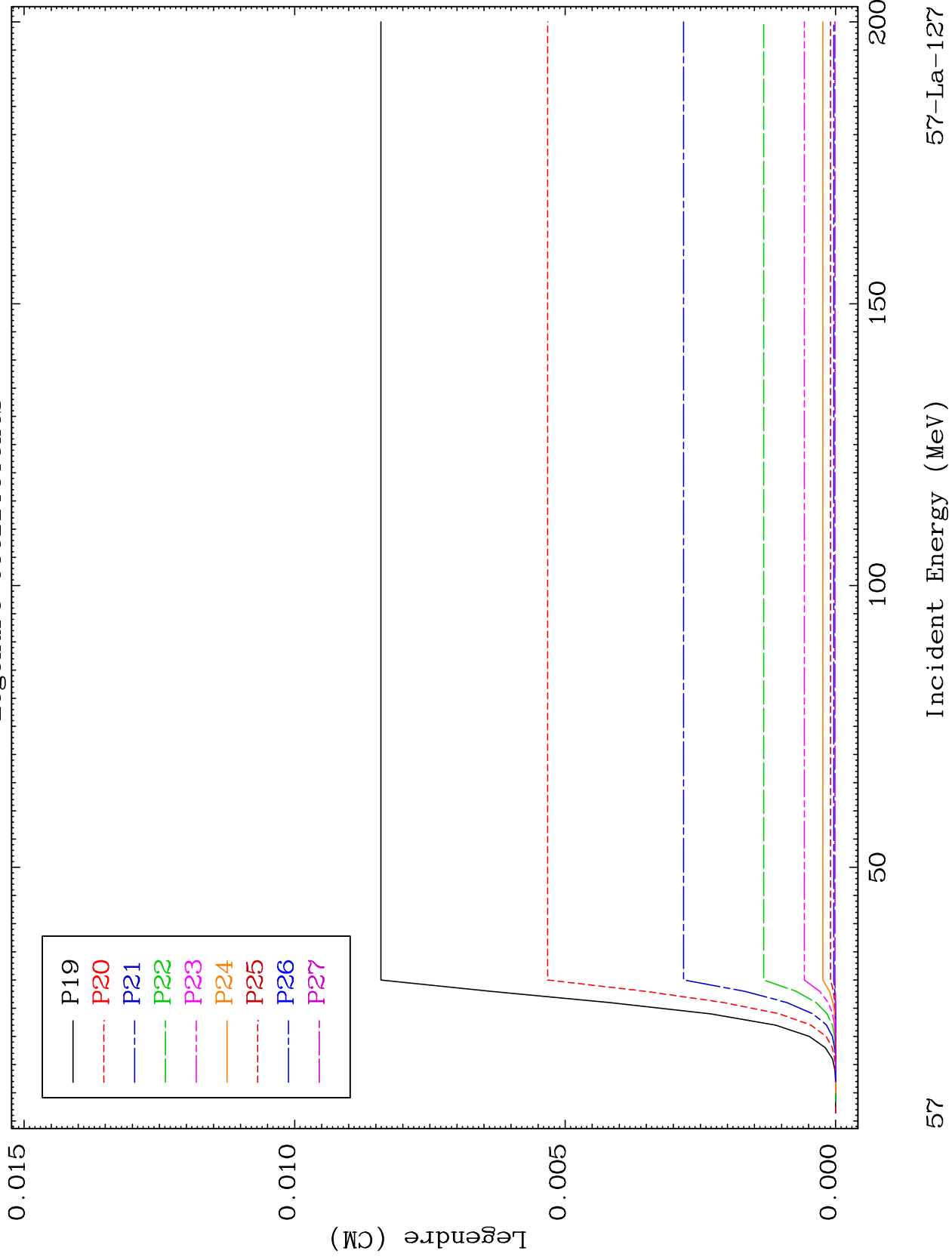
Incident Energy (MeV)

57-La-127

MAT 5692

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

57-La-127



57

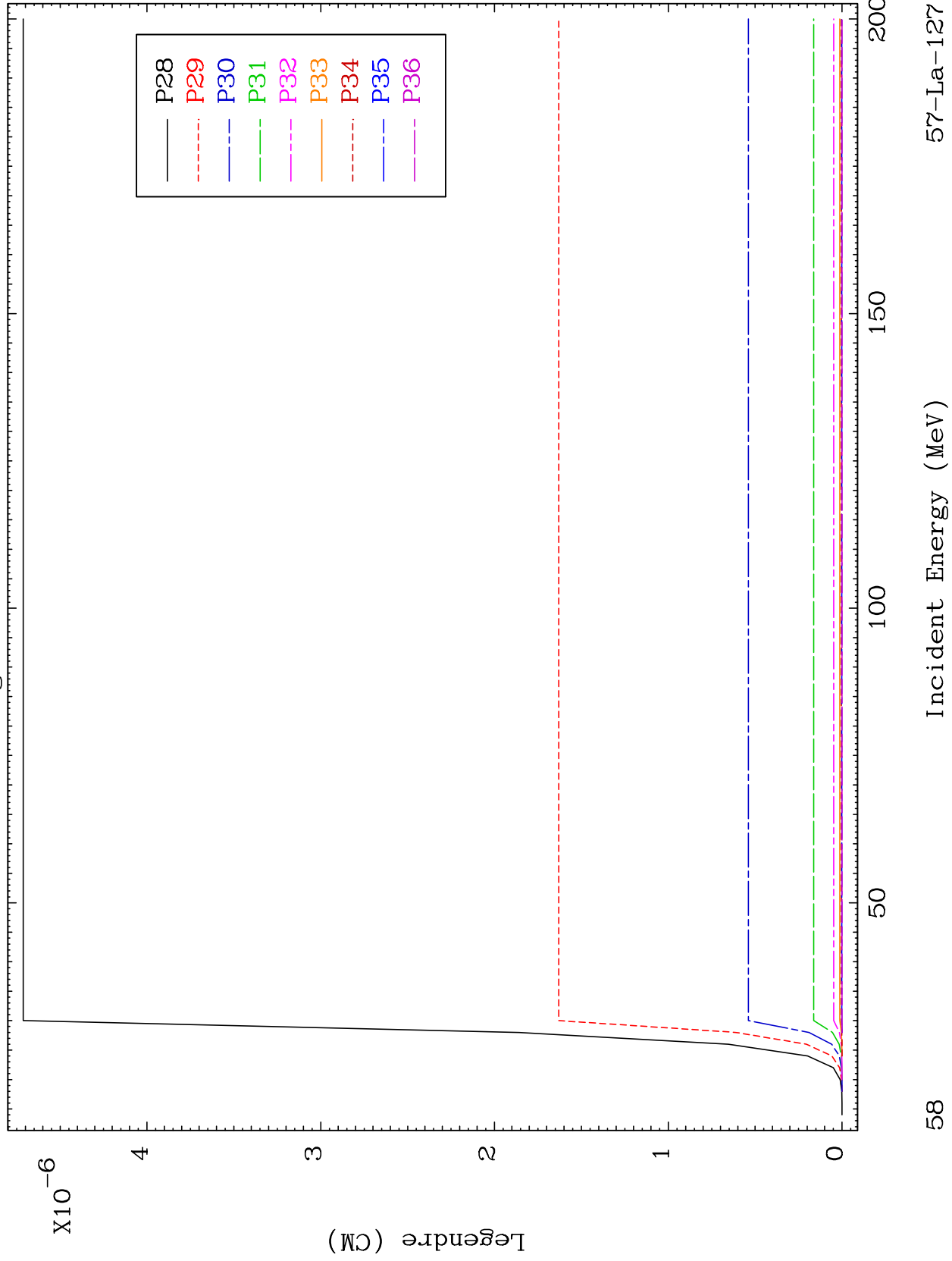
Incident Energy (MeV)

57-La-127

MAT 5692

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

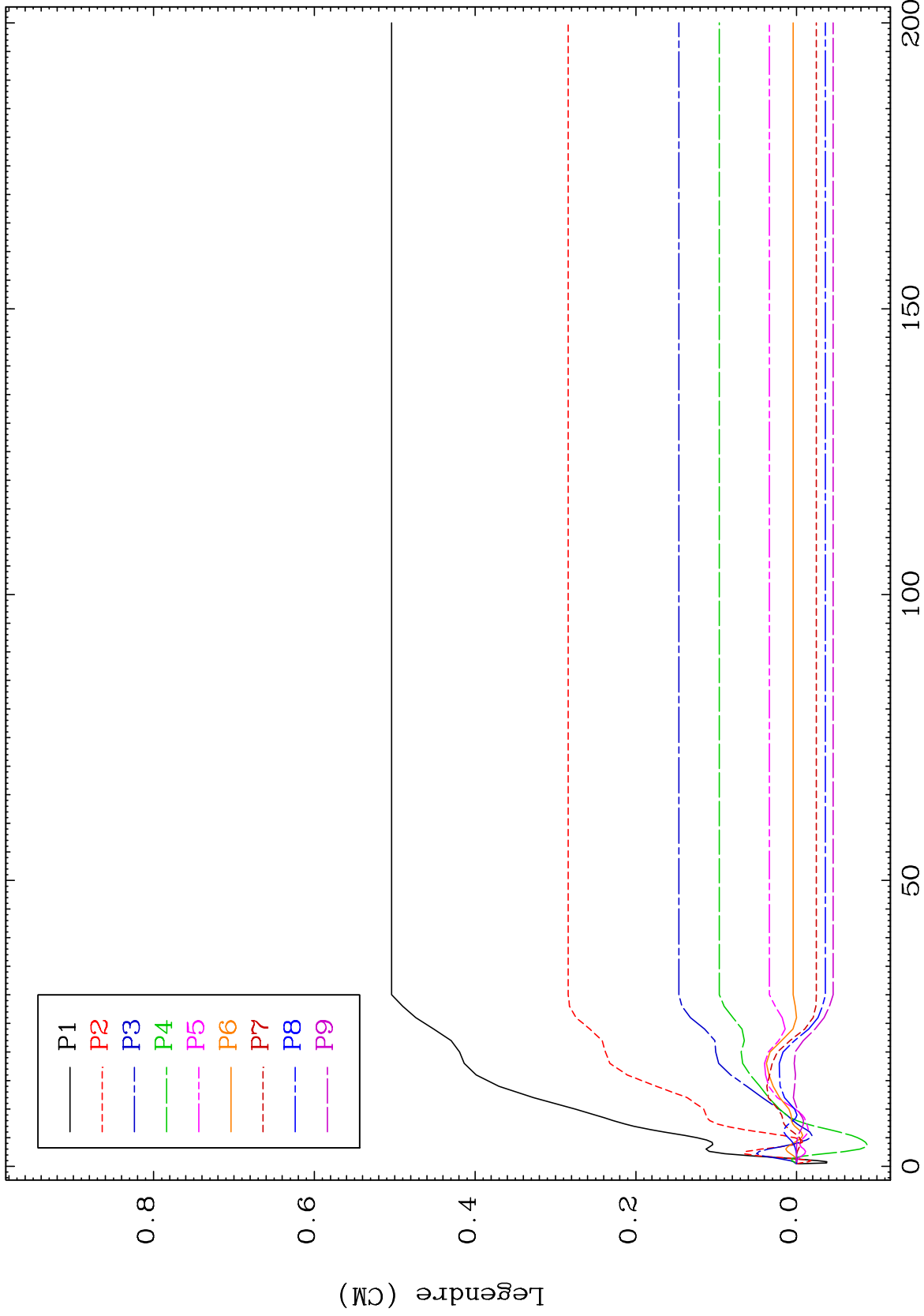
57-La-127



57-La-127

Incident Energy (MeV)

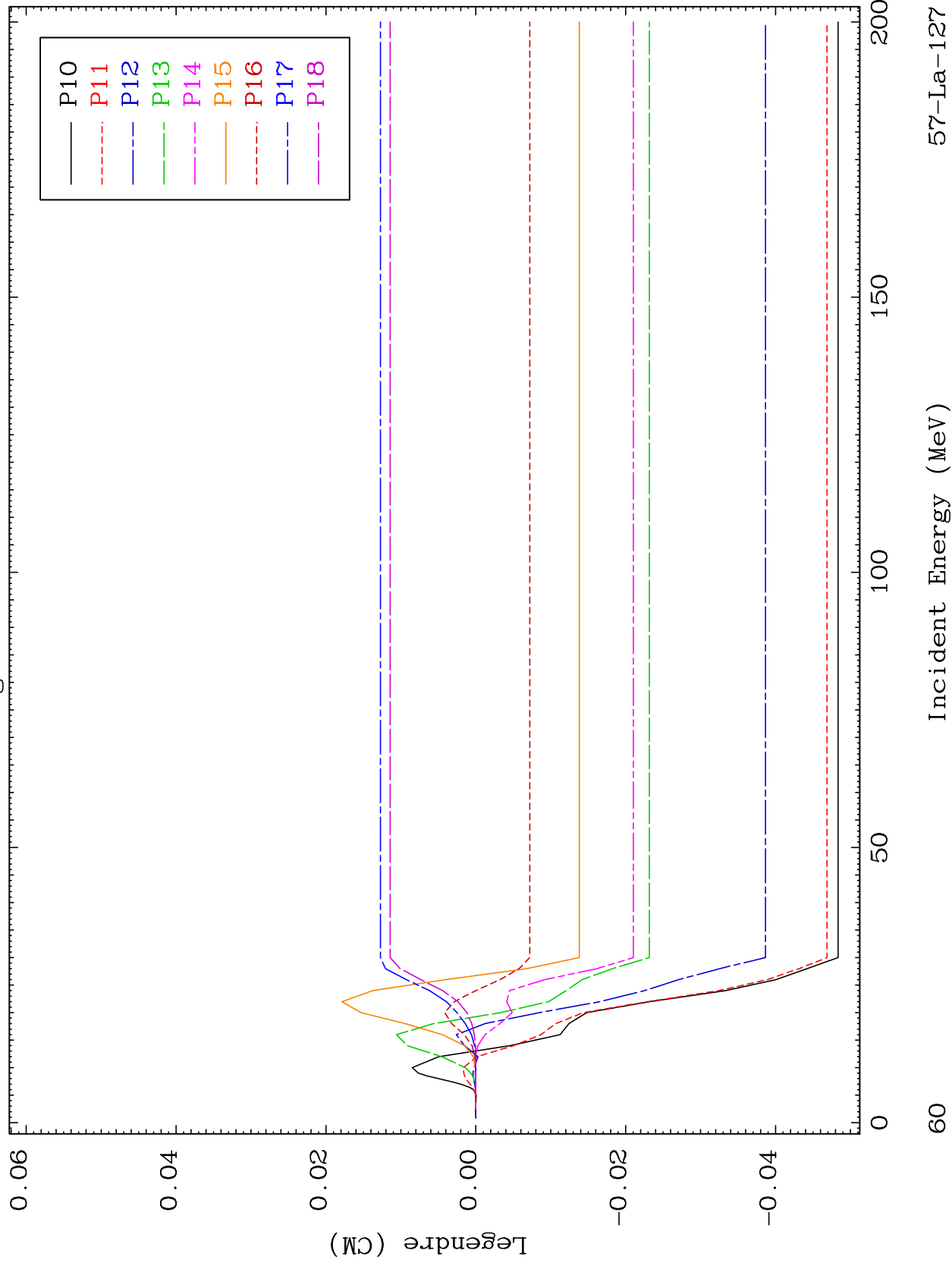
58



MAT 5692

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

57-La-127



57-La-127

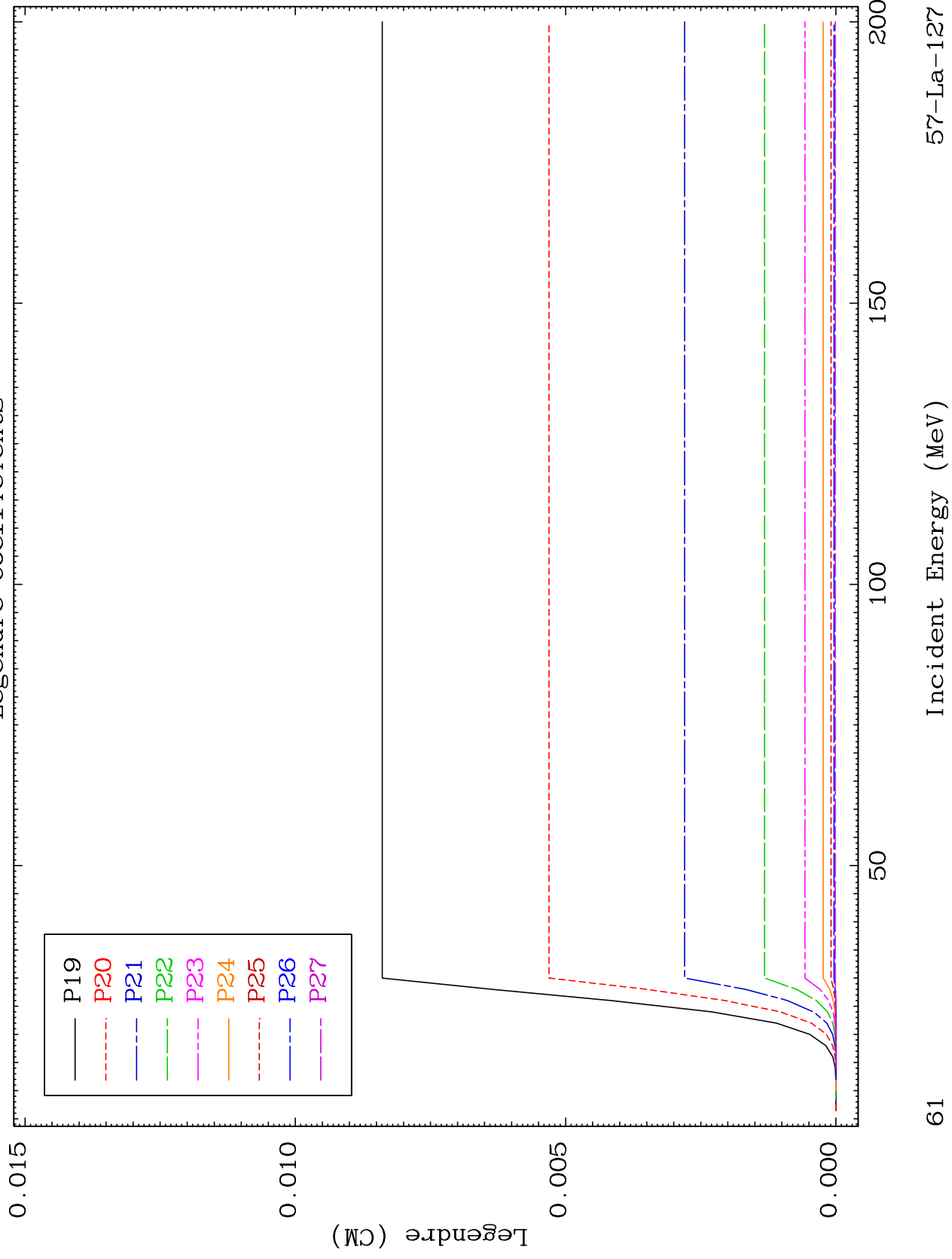
Incident Energy (MeV)

60

MAT 5692

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

57-La-127



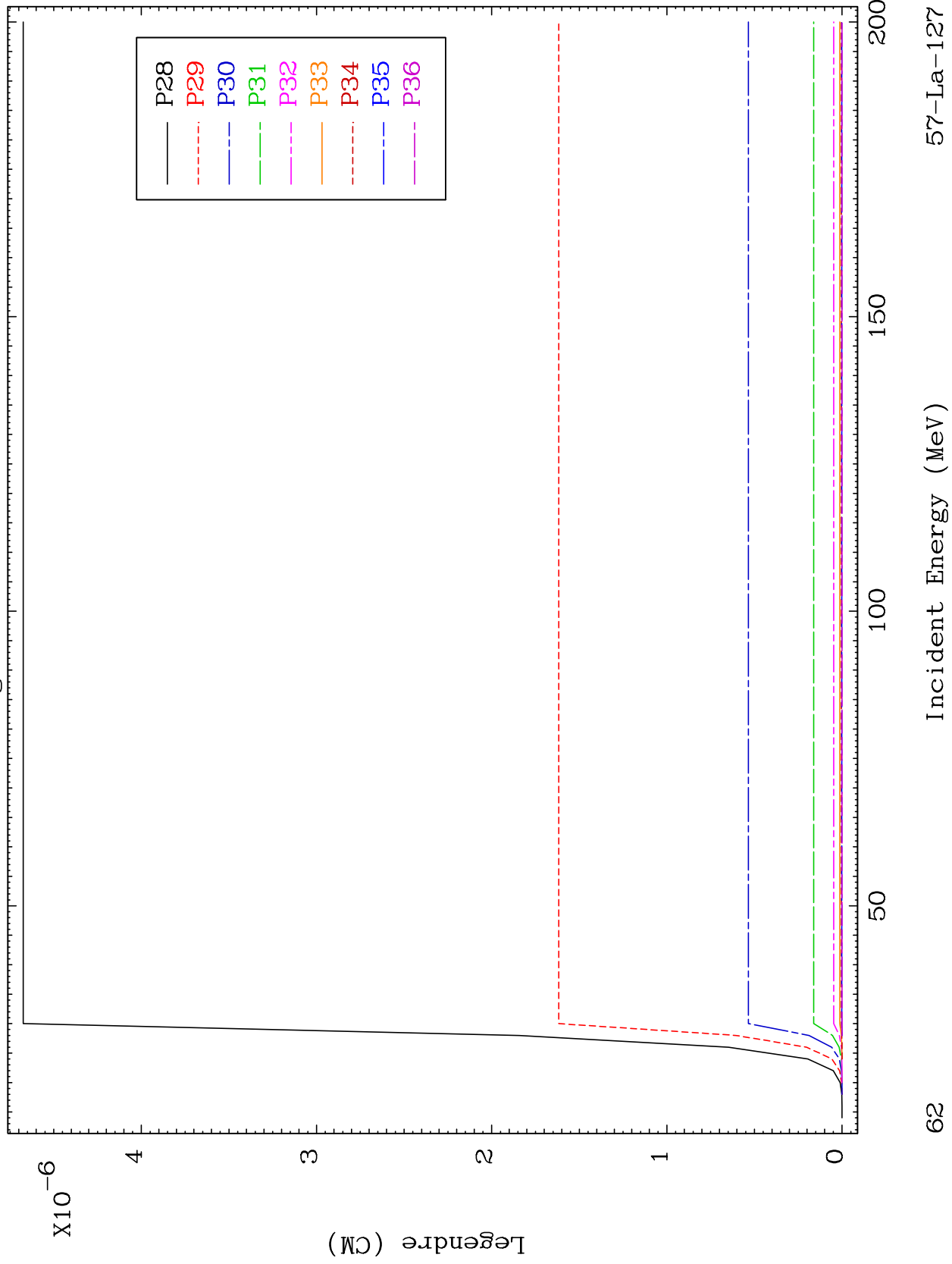
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57-La-127

MAT 5692

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

57-La-127



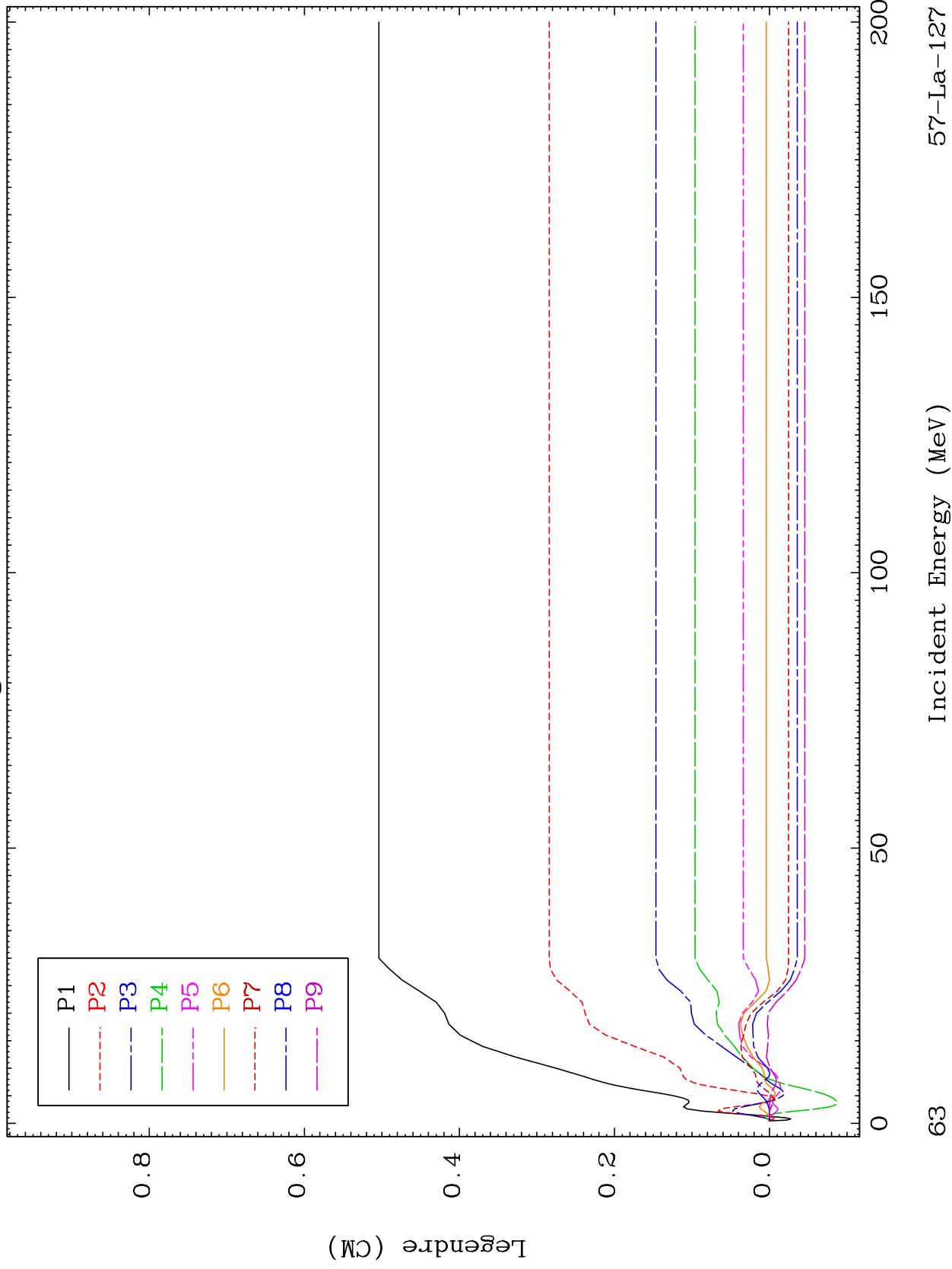
62

57-La-127

MAT 5692

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

57-La-127



57-La-127

Incident Energy (MeV)

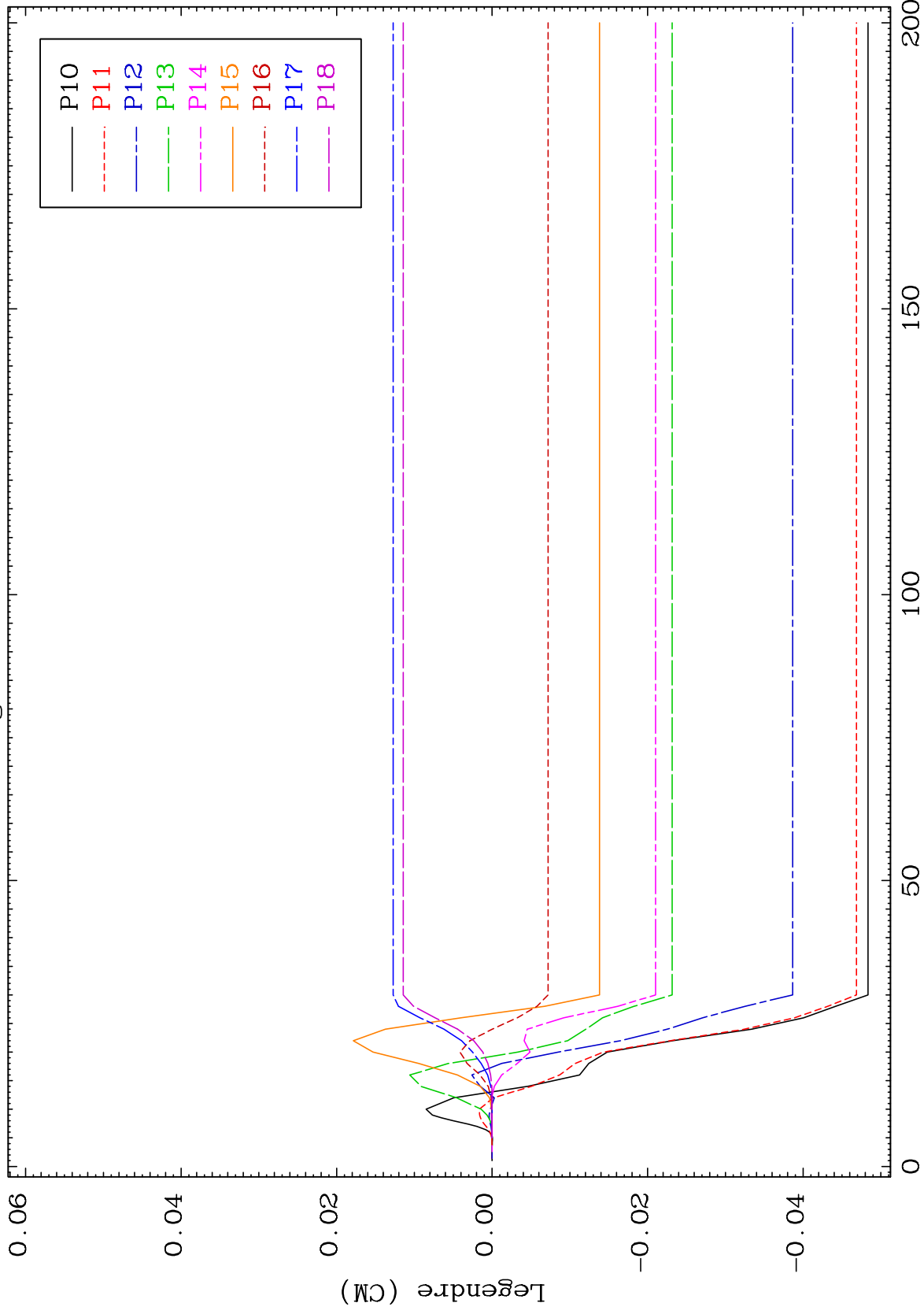
63



MAT 5692

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

57-La-127



64

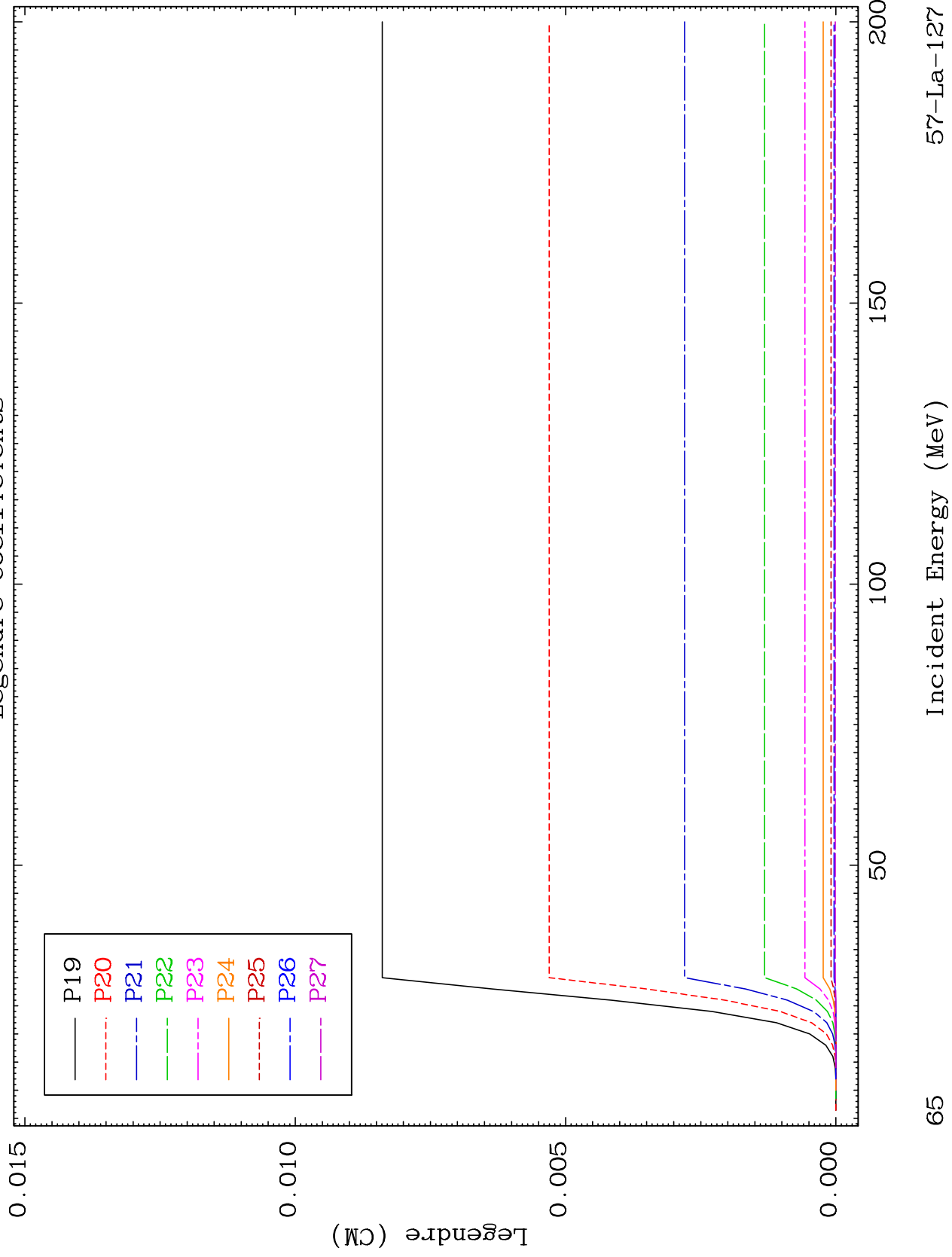
Incident Energy (MeV)

57-La-127

MAT 5692

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

57-La-127



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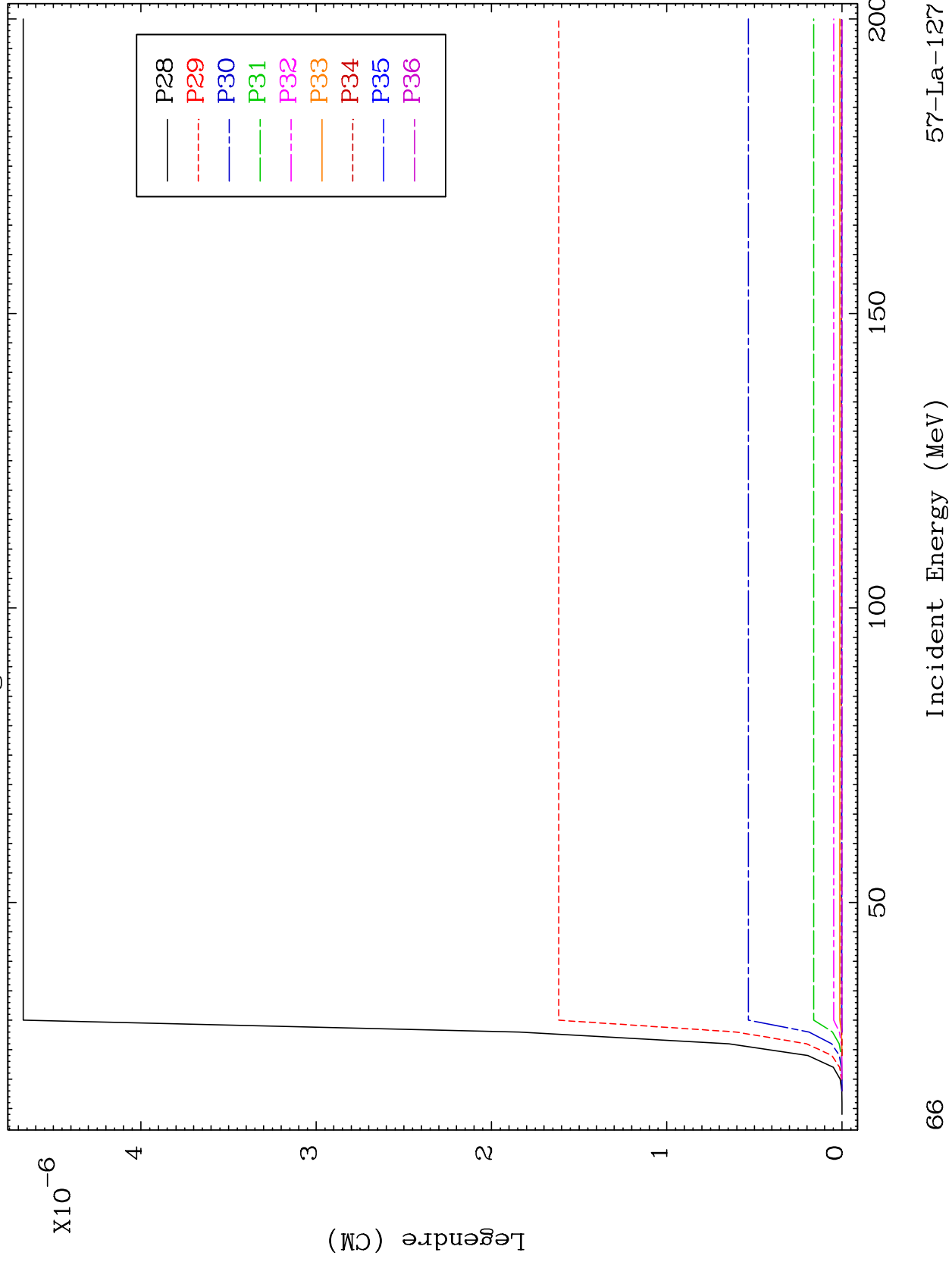
Incident Energy (MeV)

57-La-127

MAT 5692

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

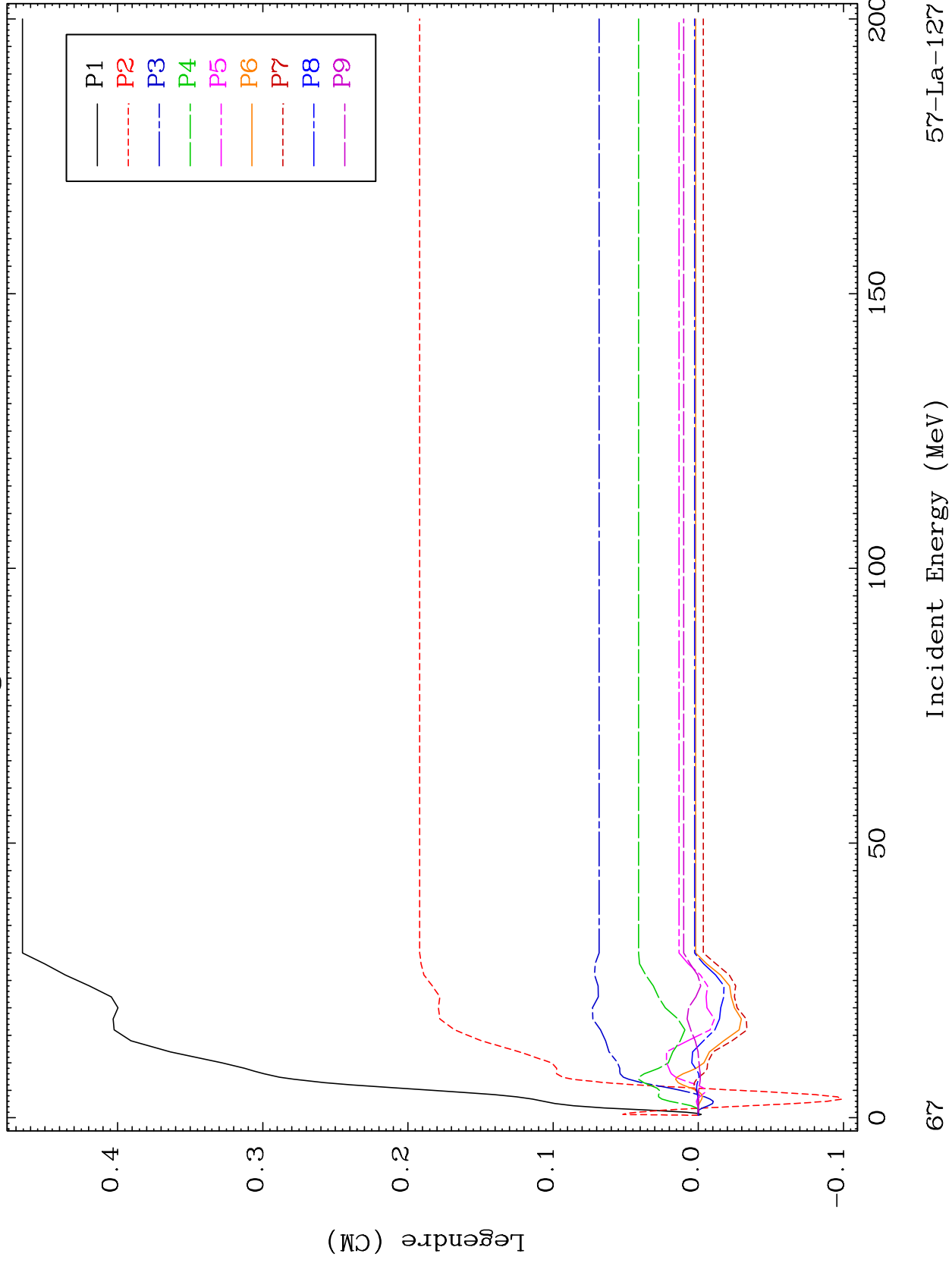
57-La-127



MAT 5692

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

57-La-127



57-La-127

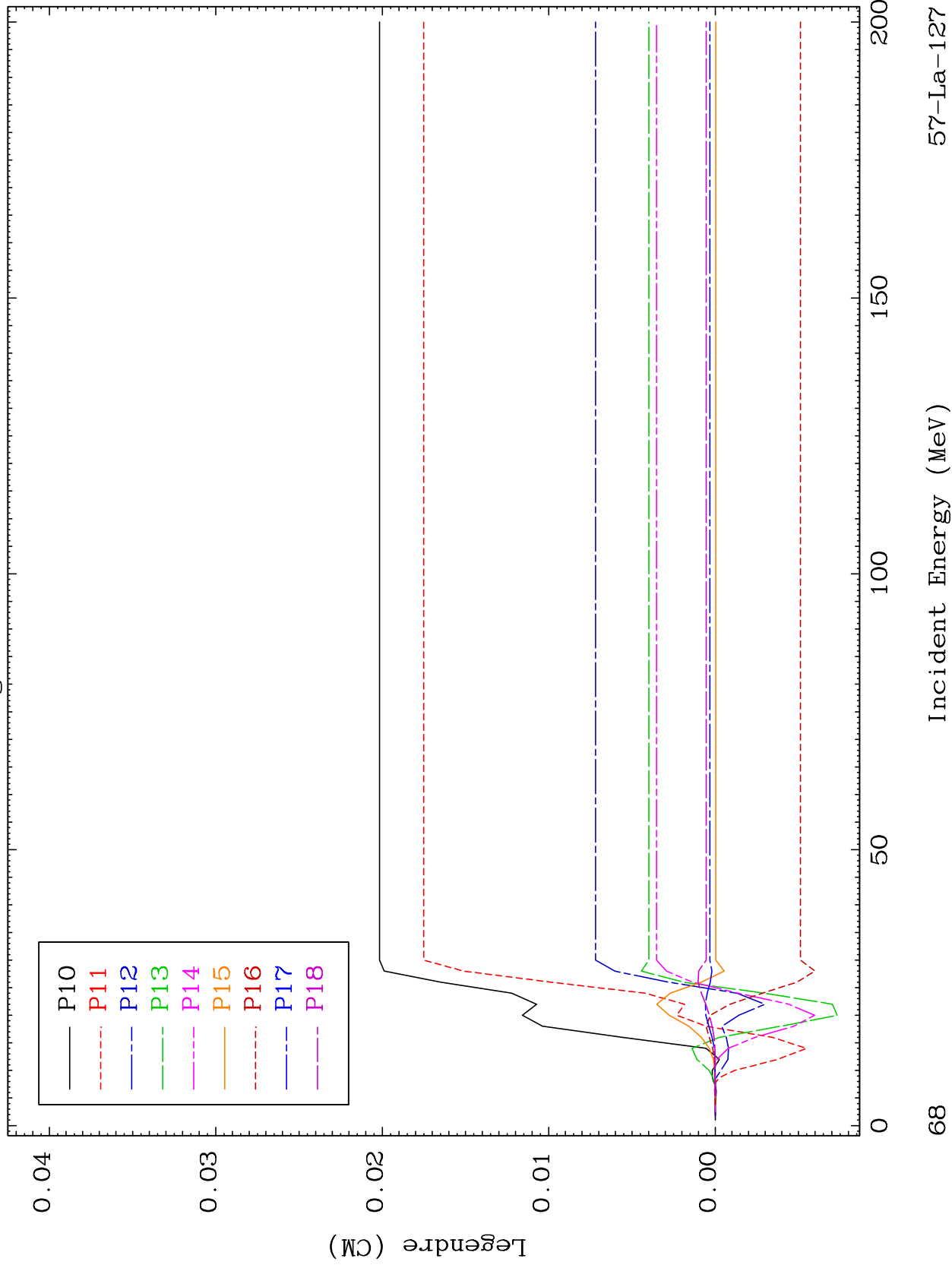
Incident Energy (MeV)

67

MAT 5692

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

57-La-127



57-La-127

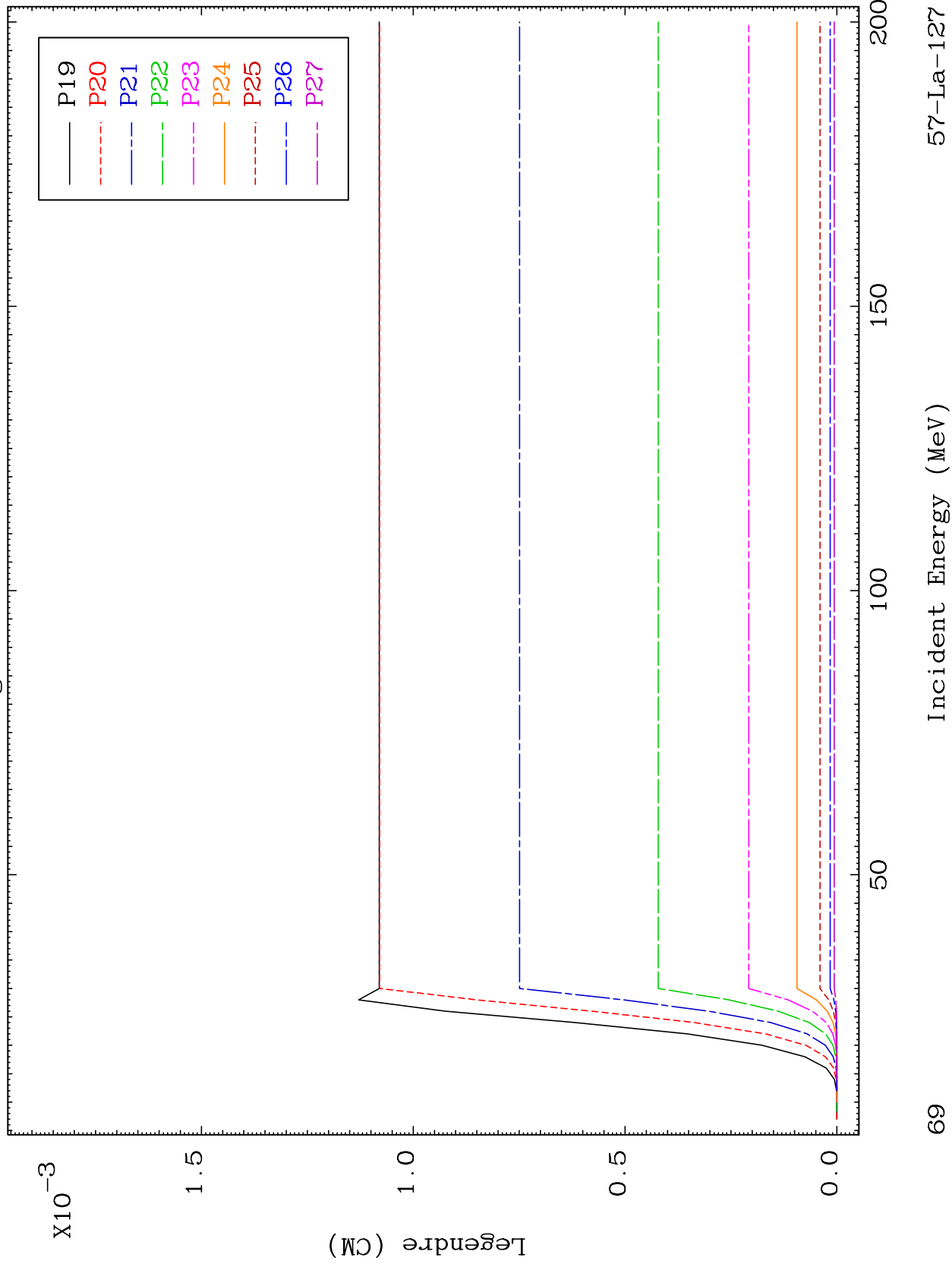
Incident Energy (MeV)

68

MAT 5692

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

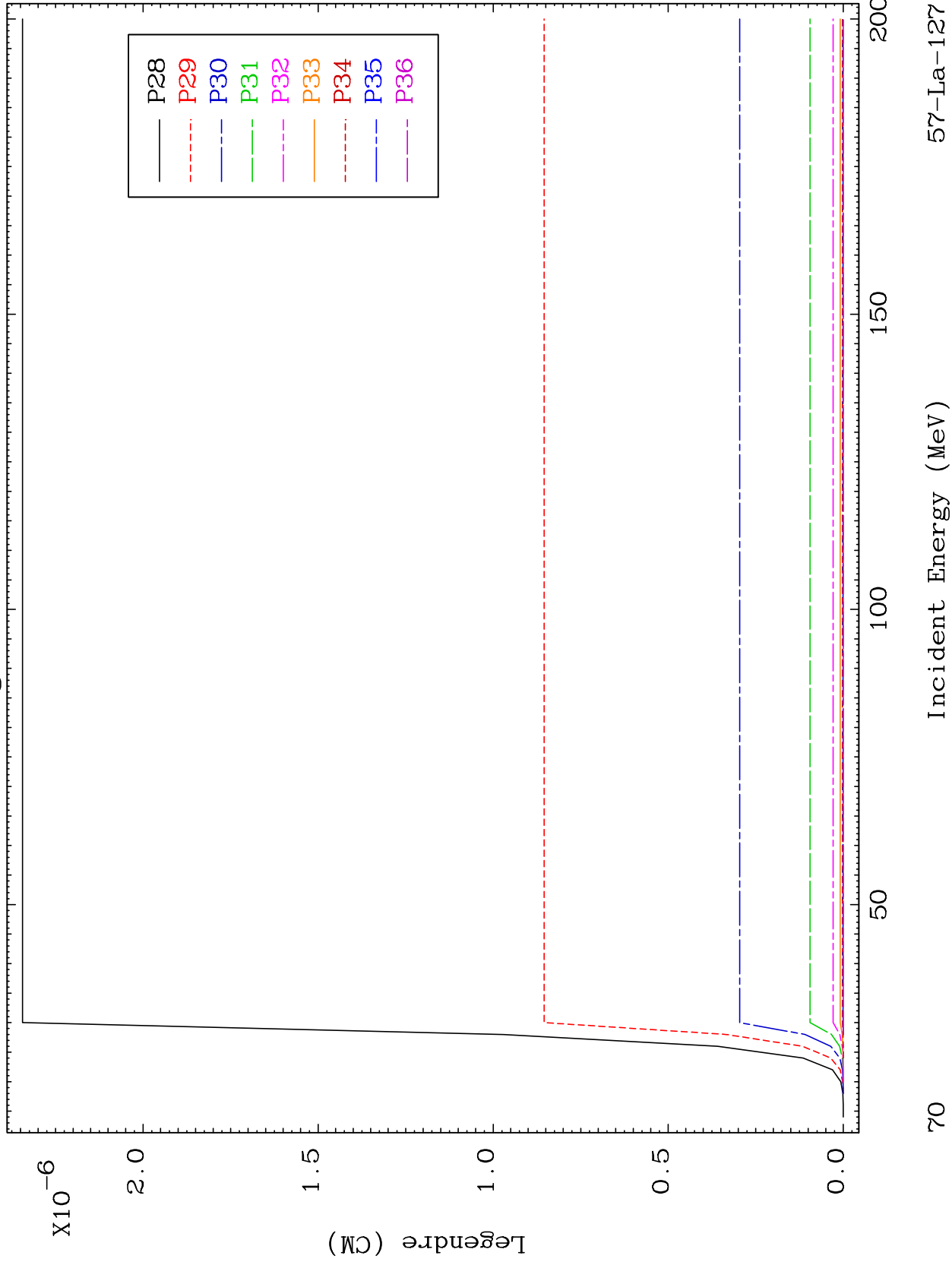
57-La-127



MAT 5692

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

57-La-127



70

Incident Energy (MeV)

57-La-127

200

150

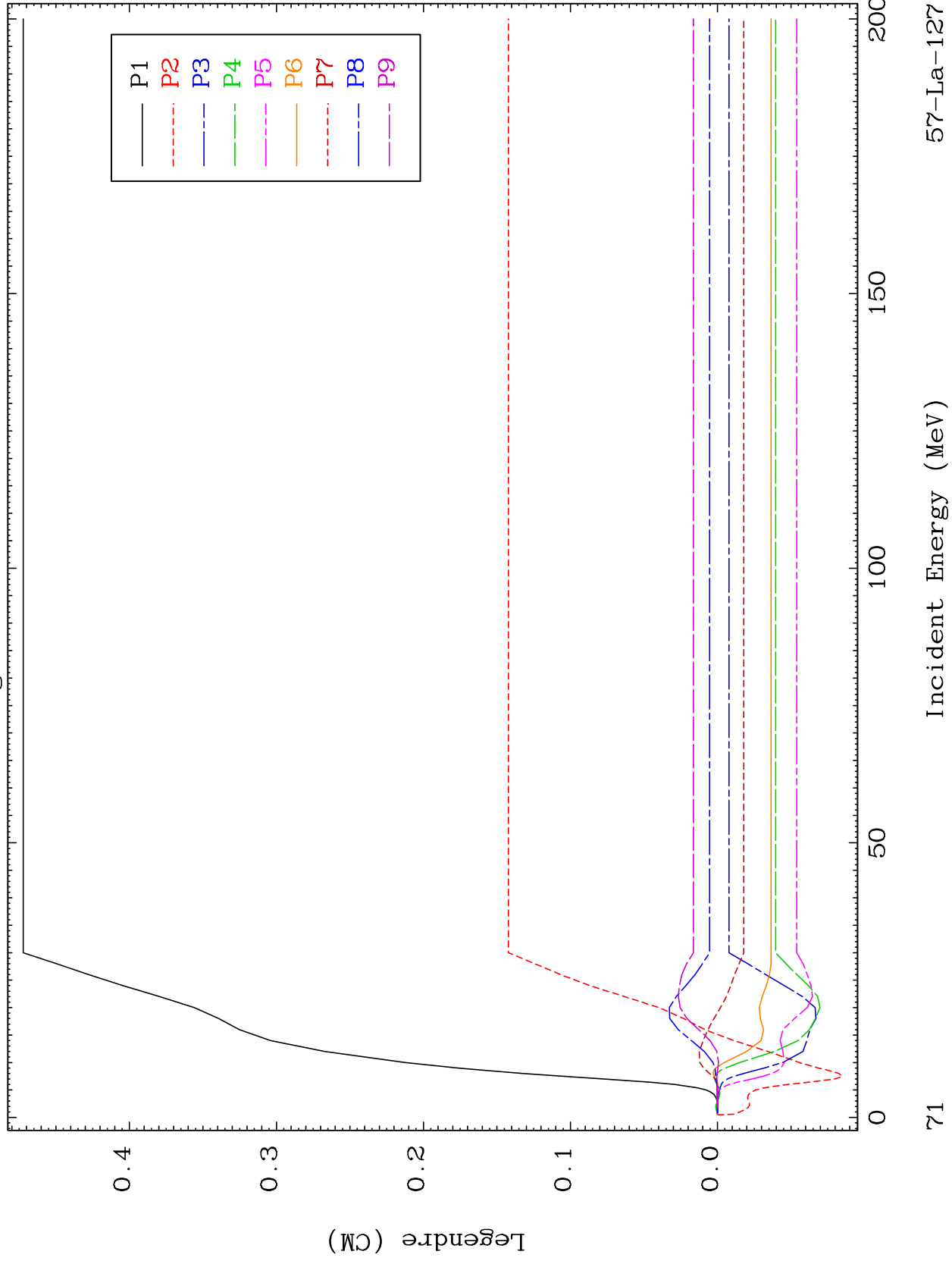
100

50

MAT 5692

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

57-La-127



57-La-127

Incident Energy (MeV)

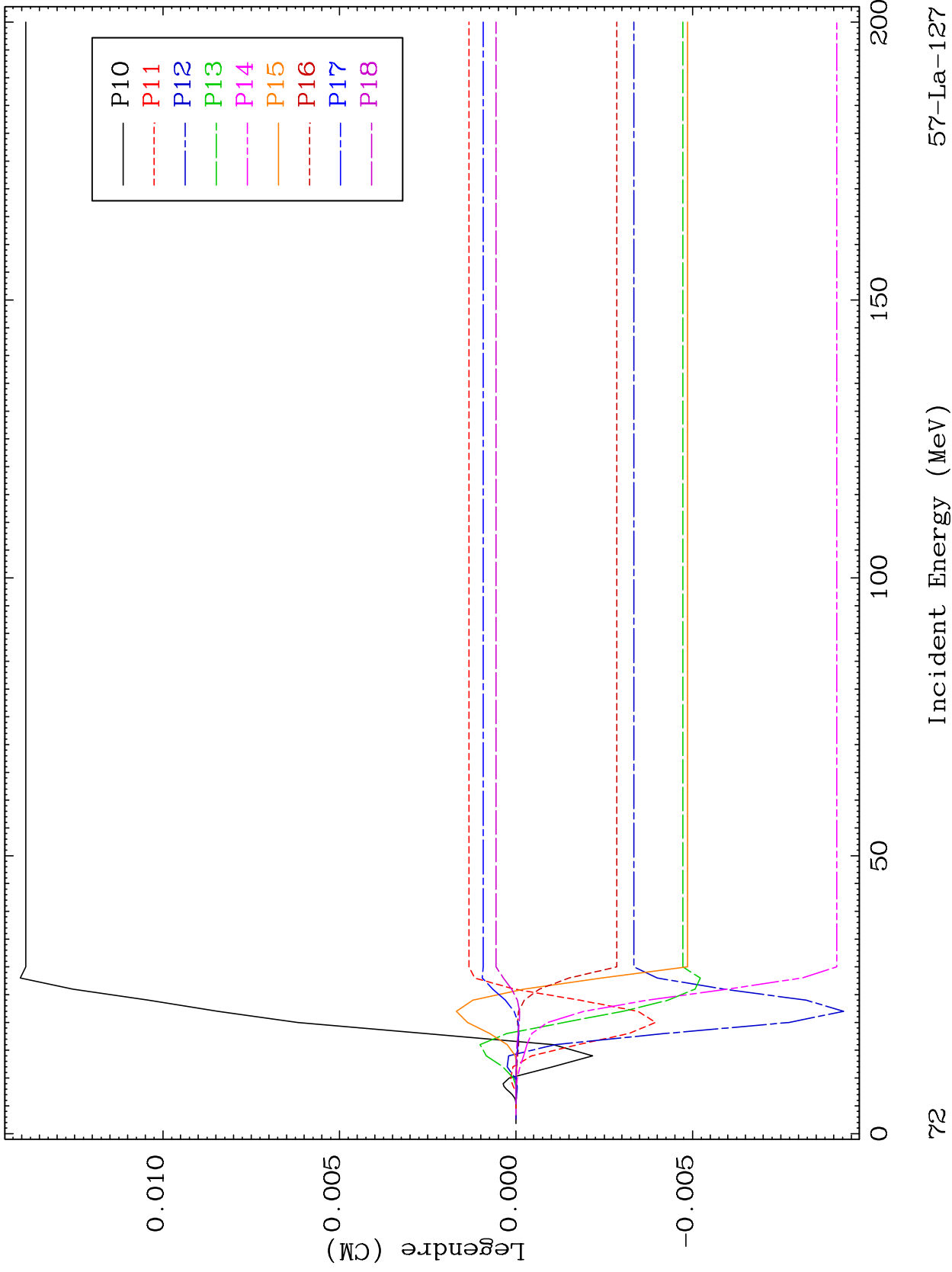
71



MAT 5692

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

57-La-127



72

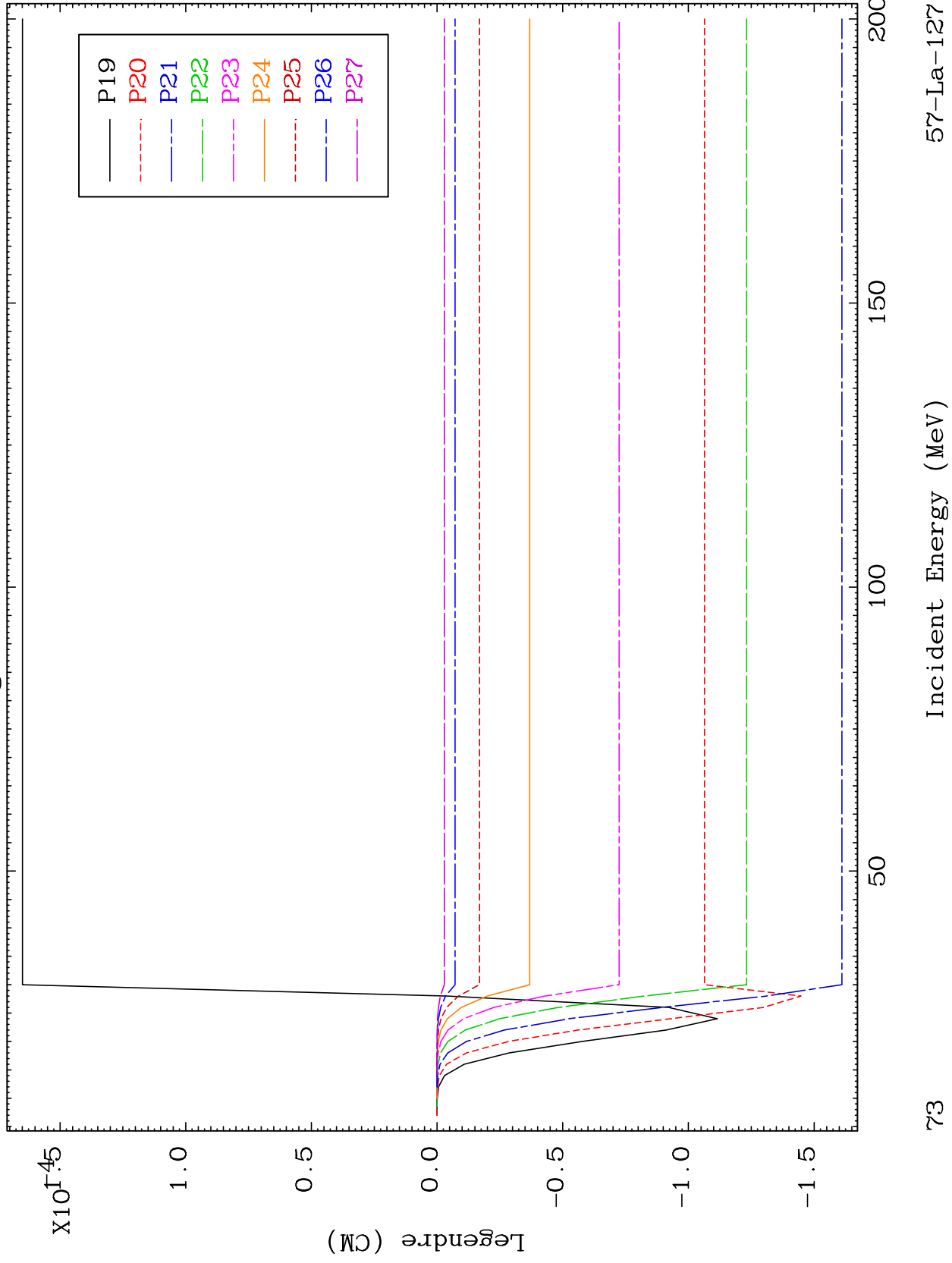
Incident Energy (MeV)

57-La-127

MAT 5692

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

57-La-127



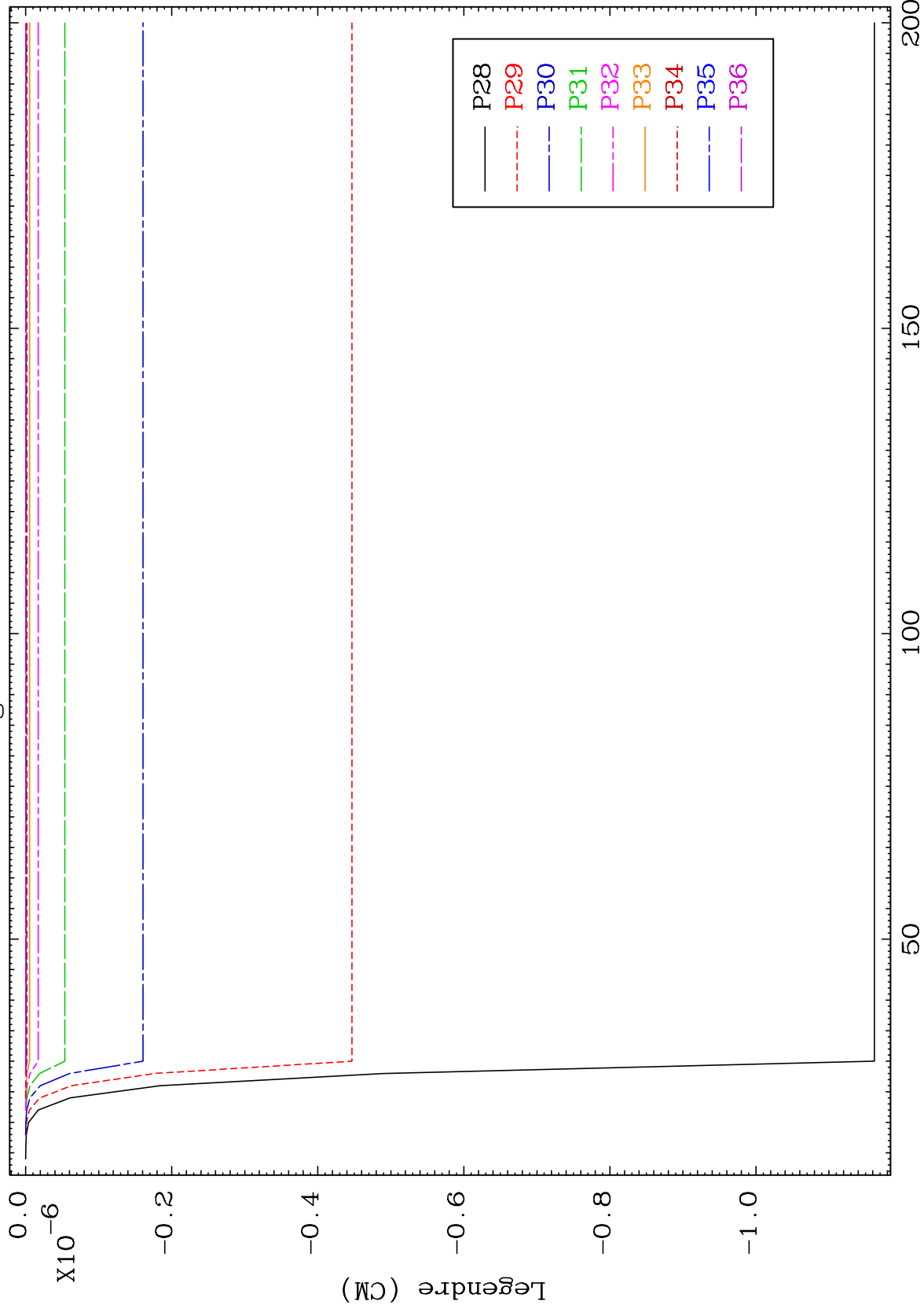
73

57-La-127

MAT 5692

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

57-La-127



74

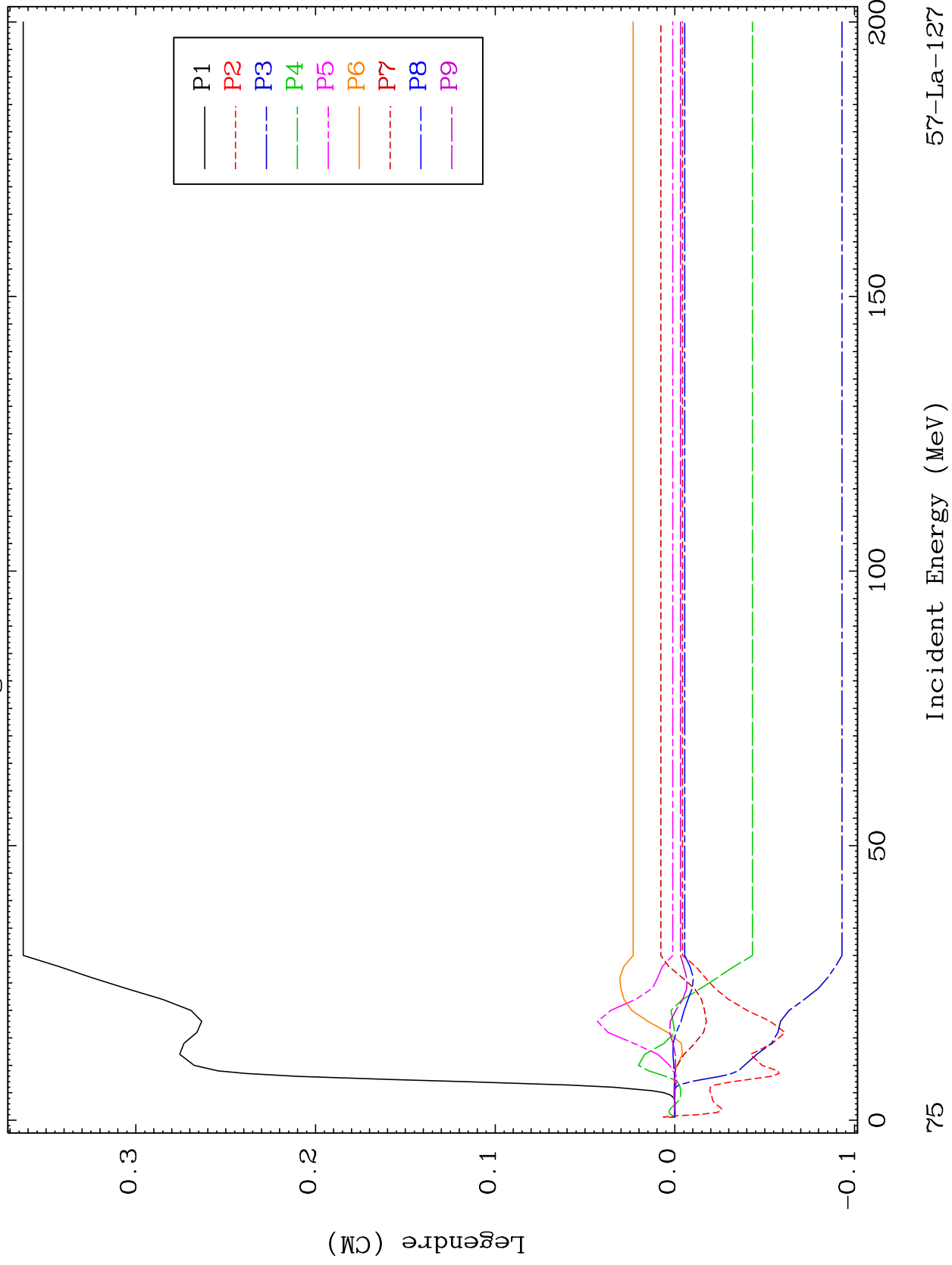
Incident Energy (MeV)

57-La-127

MAT 5692

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

57-La-127



57-La-127

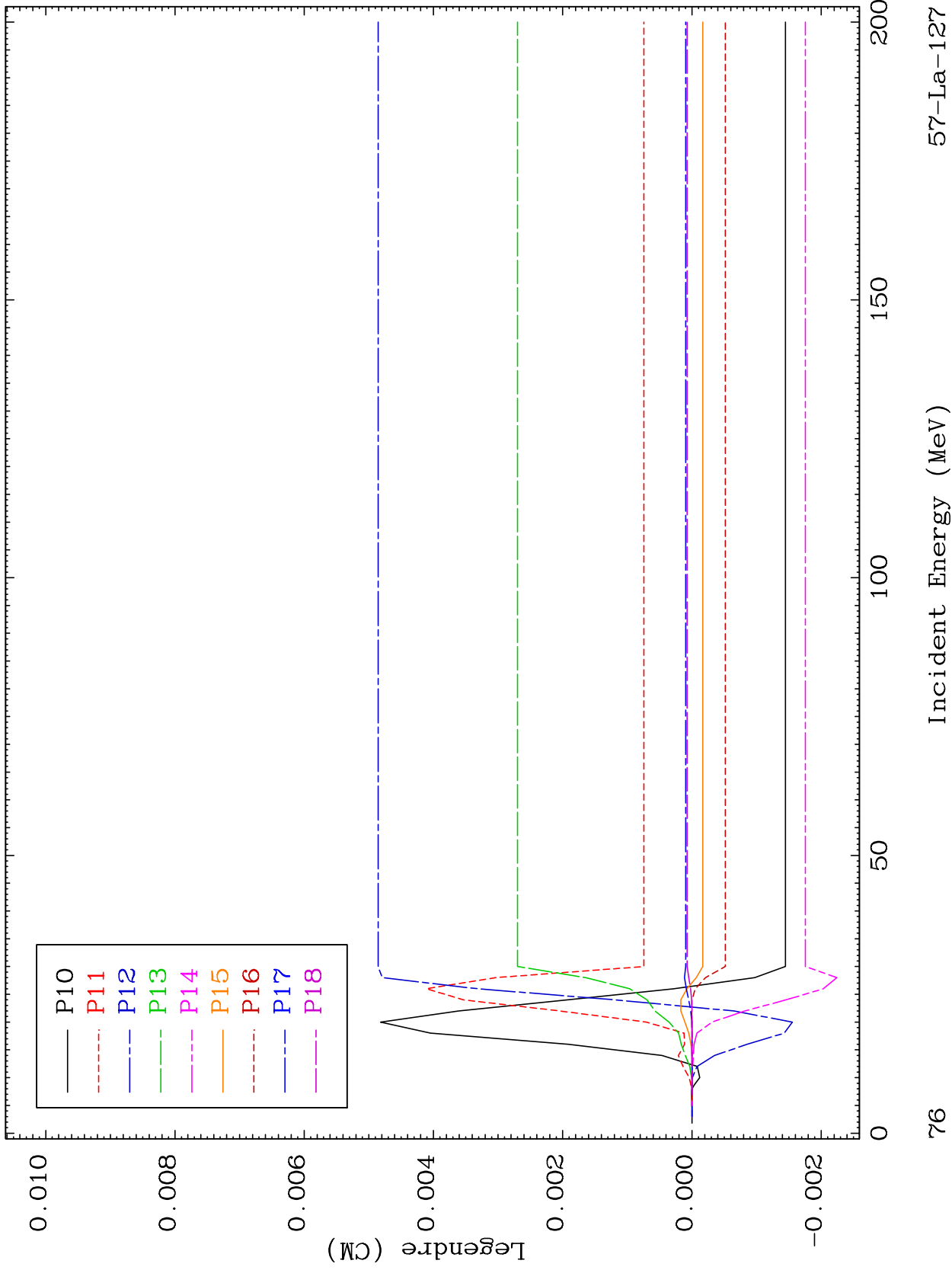
Incident Energy (MeV)

75

MAT 5692

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

57-La-127



76

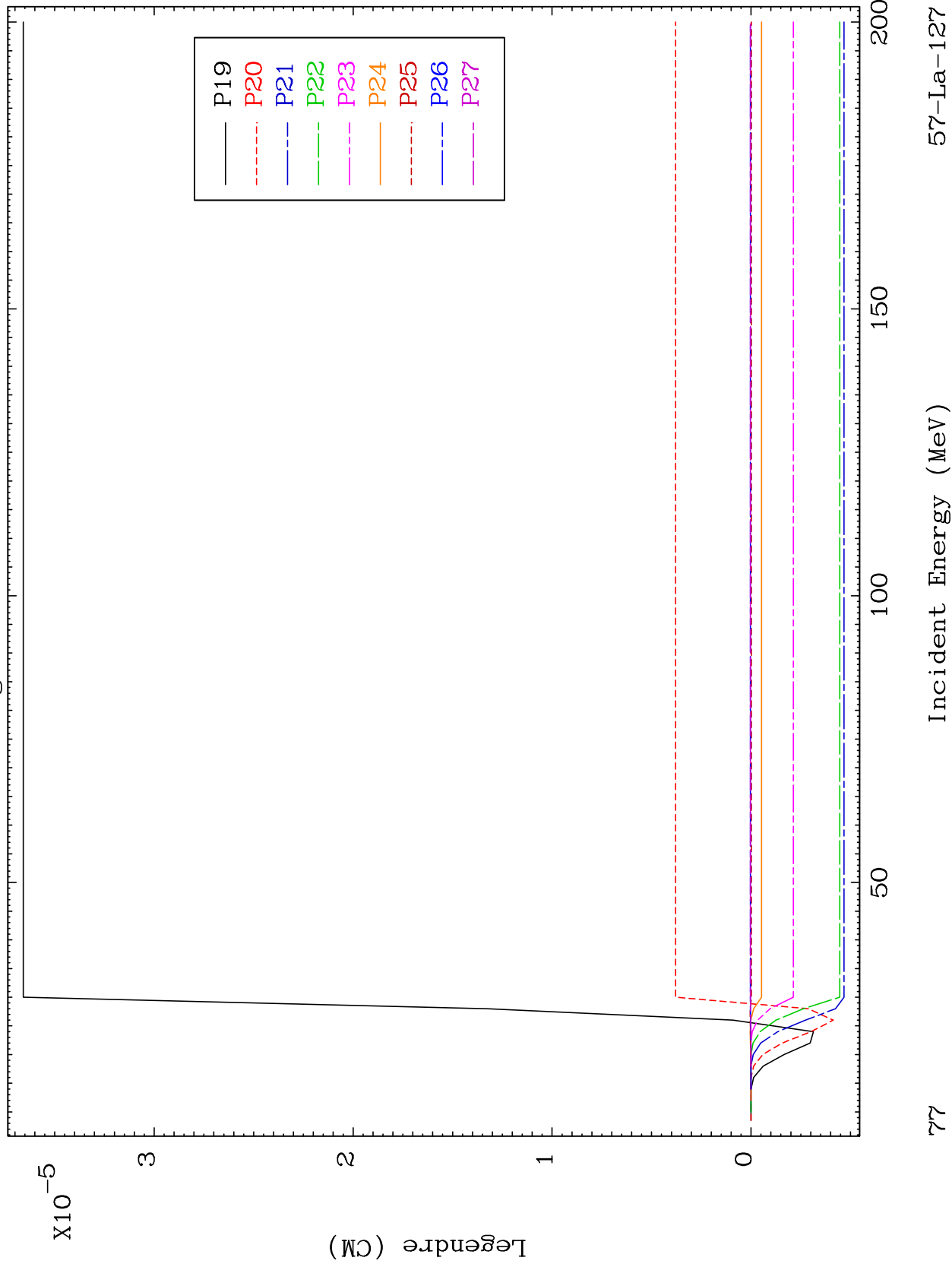
Incident Energy (MeV)

57-La-127

MAT 5692

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

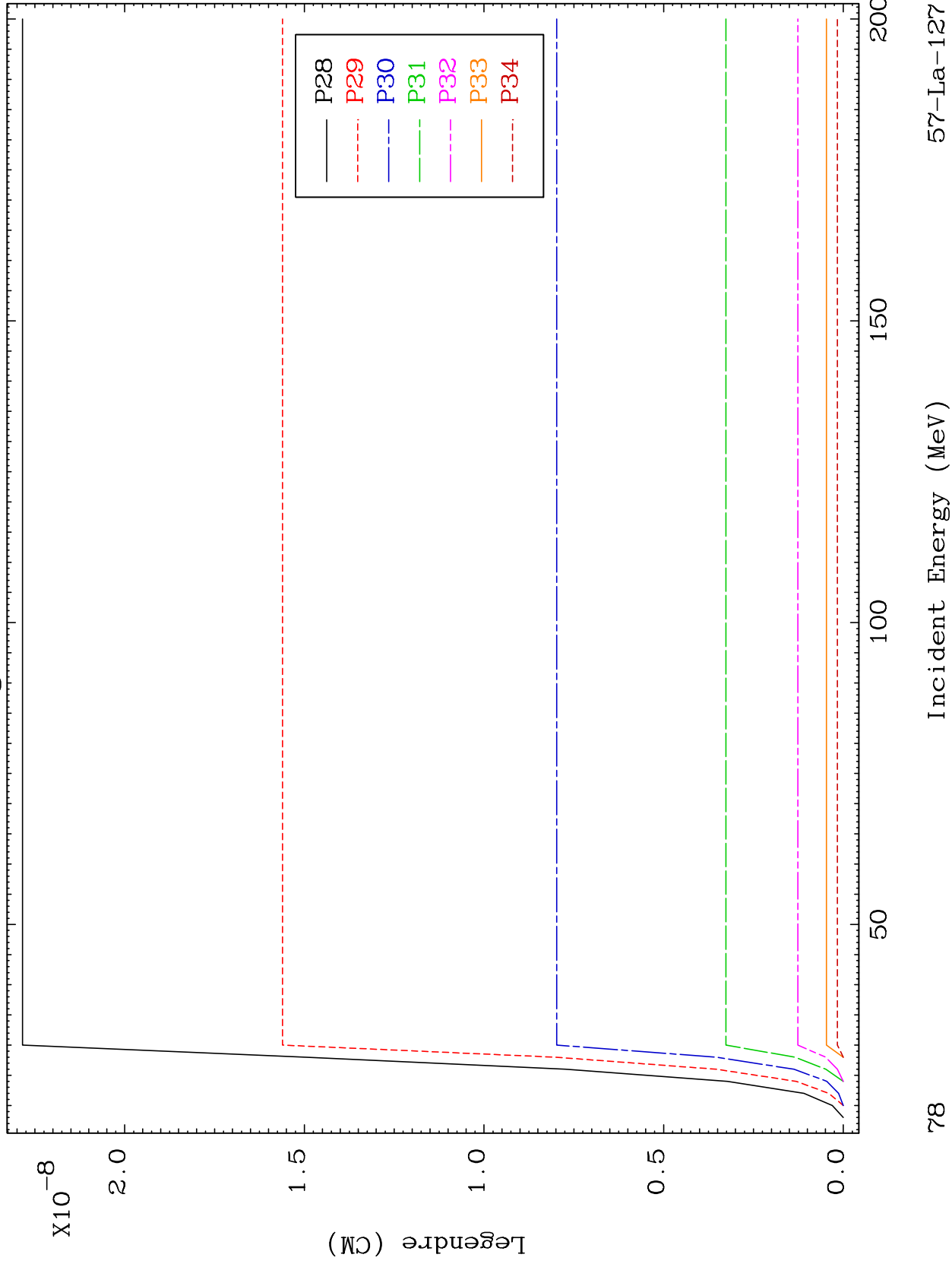
57-La-127



MAT 5692

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

57-La-127



78

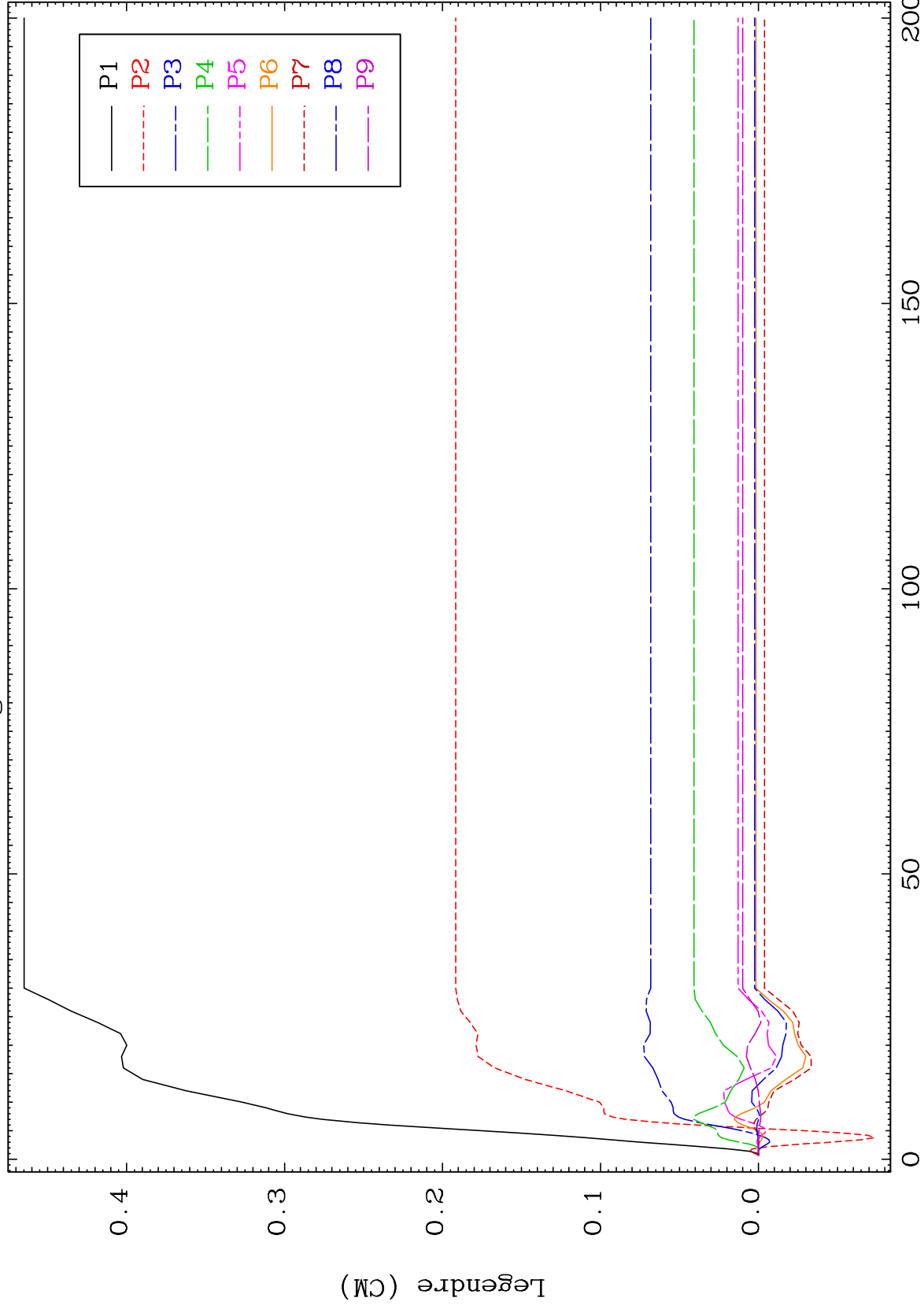
Incident Energy (MeV)

57-La-127

MAT 5692

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

57-La-127



79

Incident Energy (MeV)

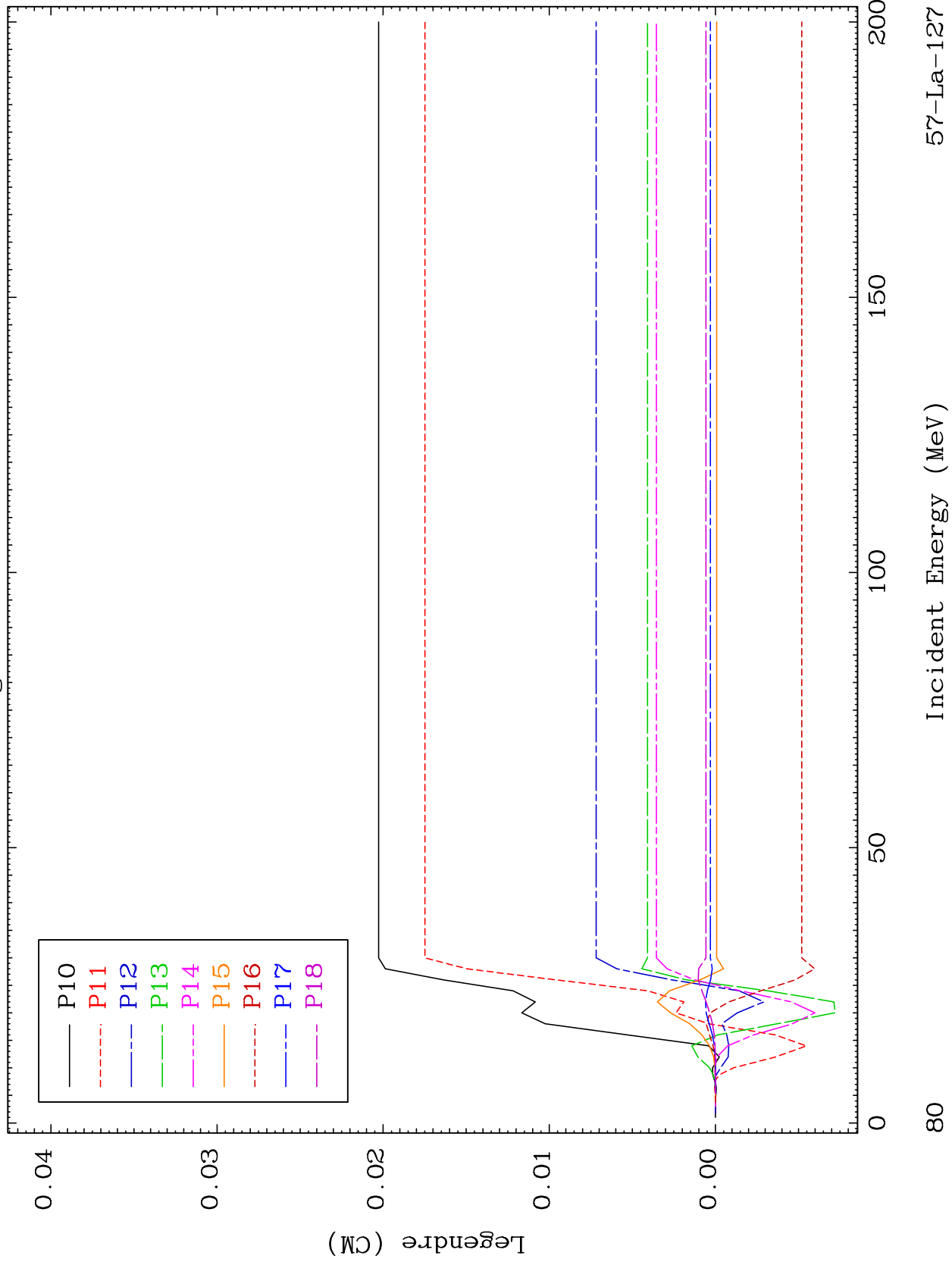
57-La-127



MAT 5692

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

57-La-127



57-La-127

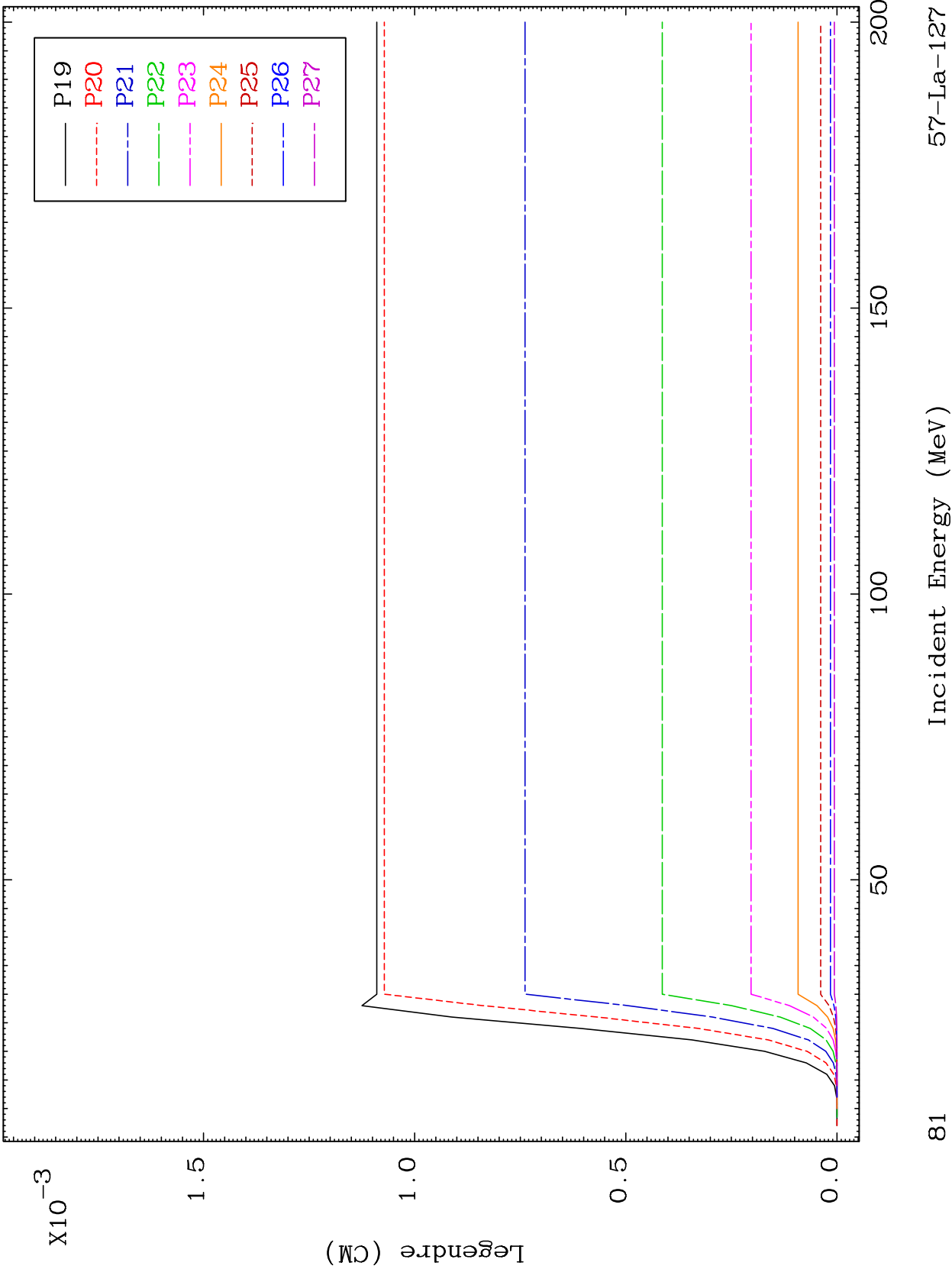
Incident Energy (MeV)

80

MAT 5692

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

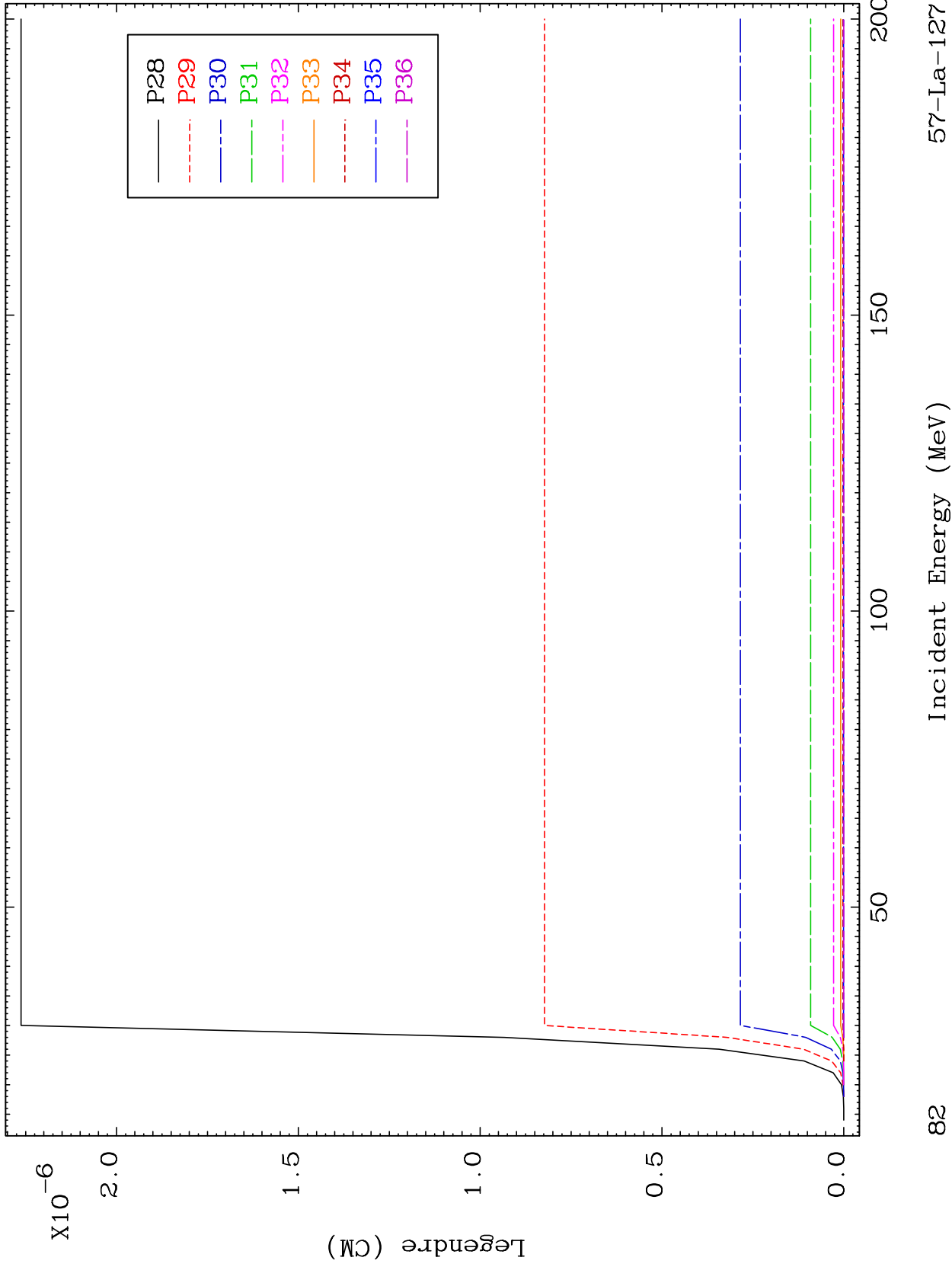
57-La-127



MAT 5692

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

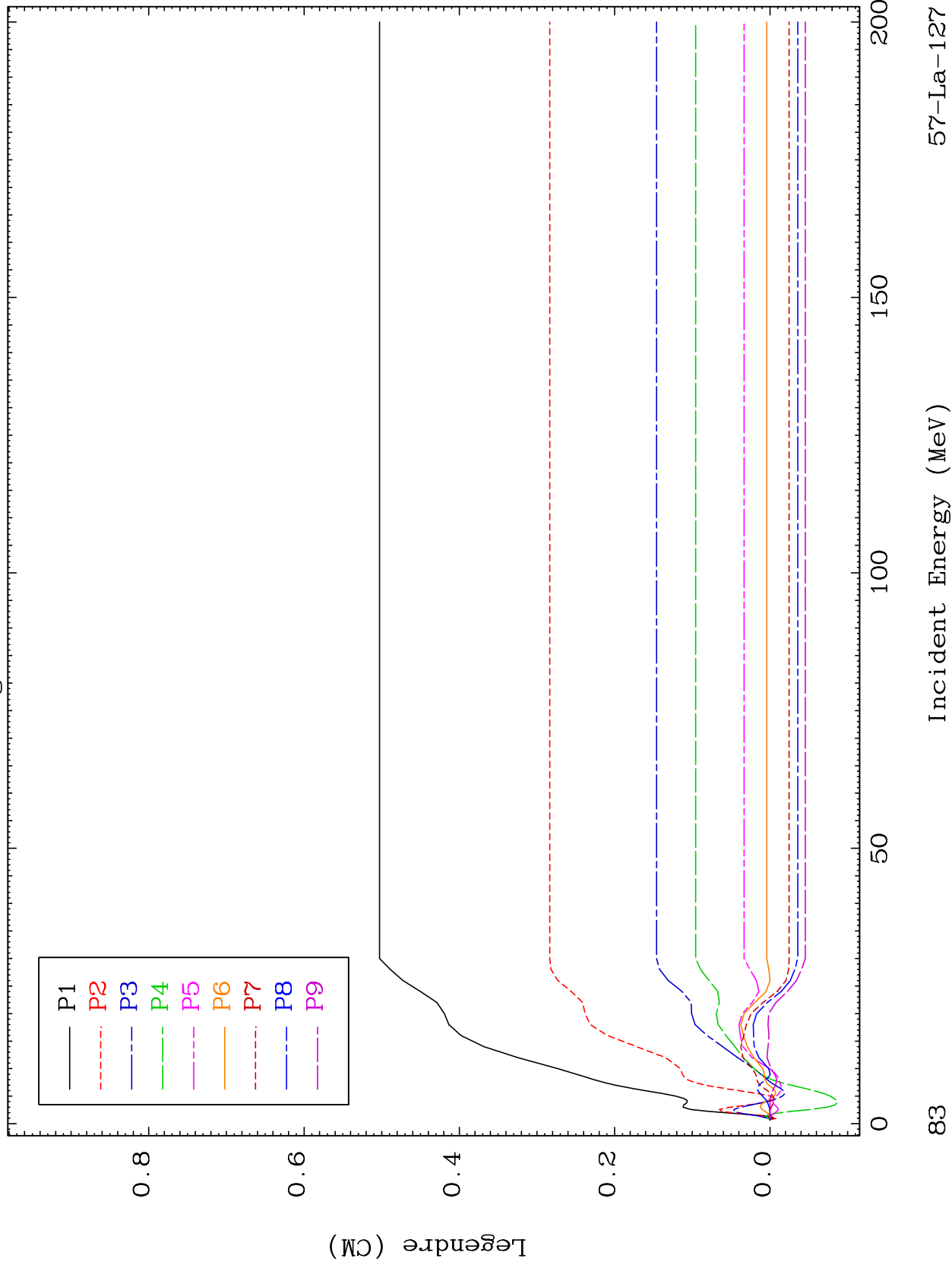
57-La-127



82

Incident Energy (MeV)

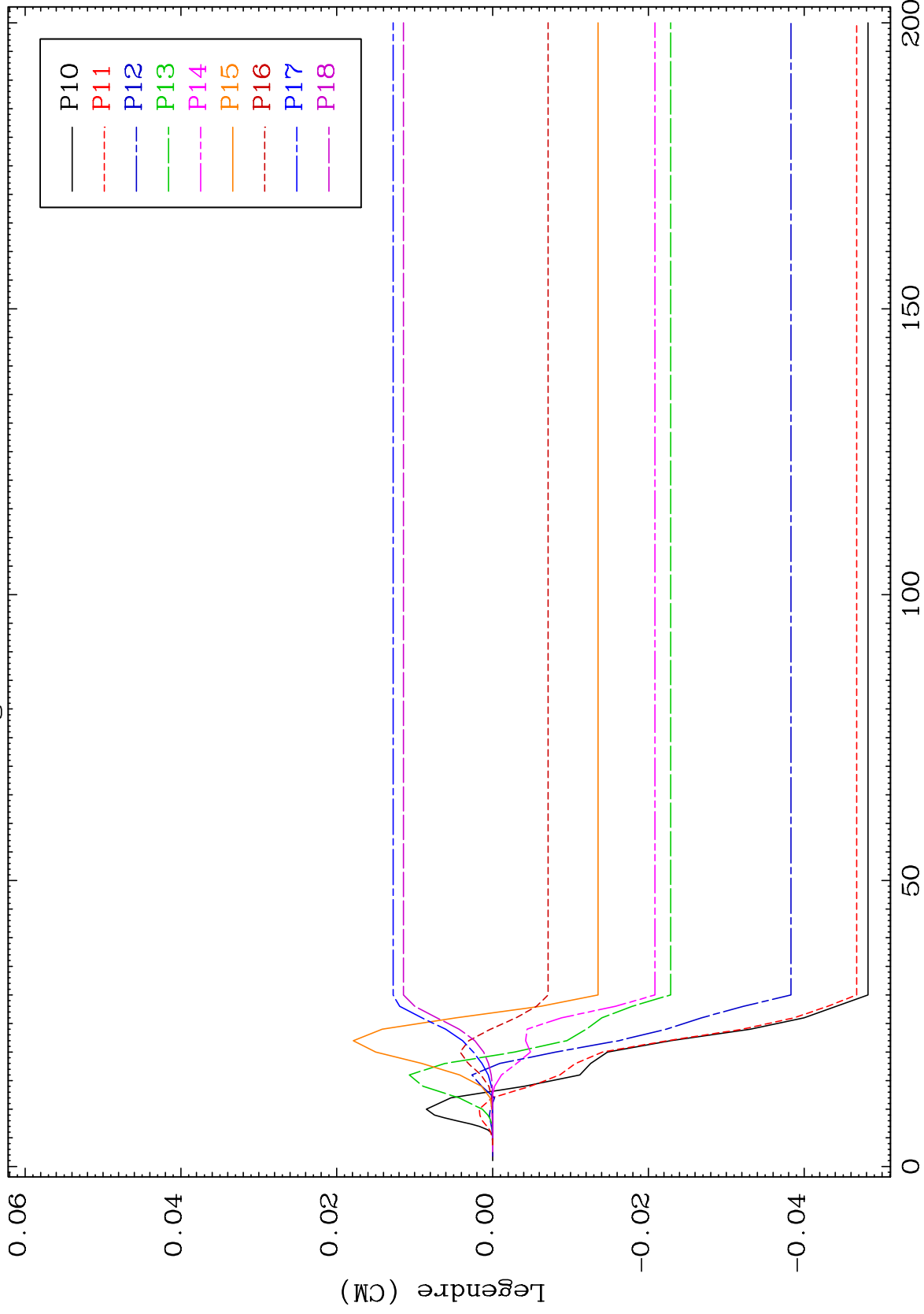
57-La-127



MAT 5692

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

57-La-127



84

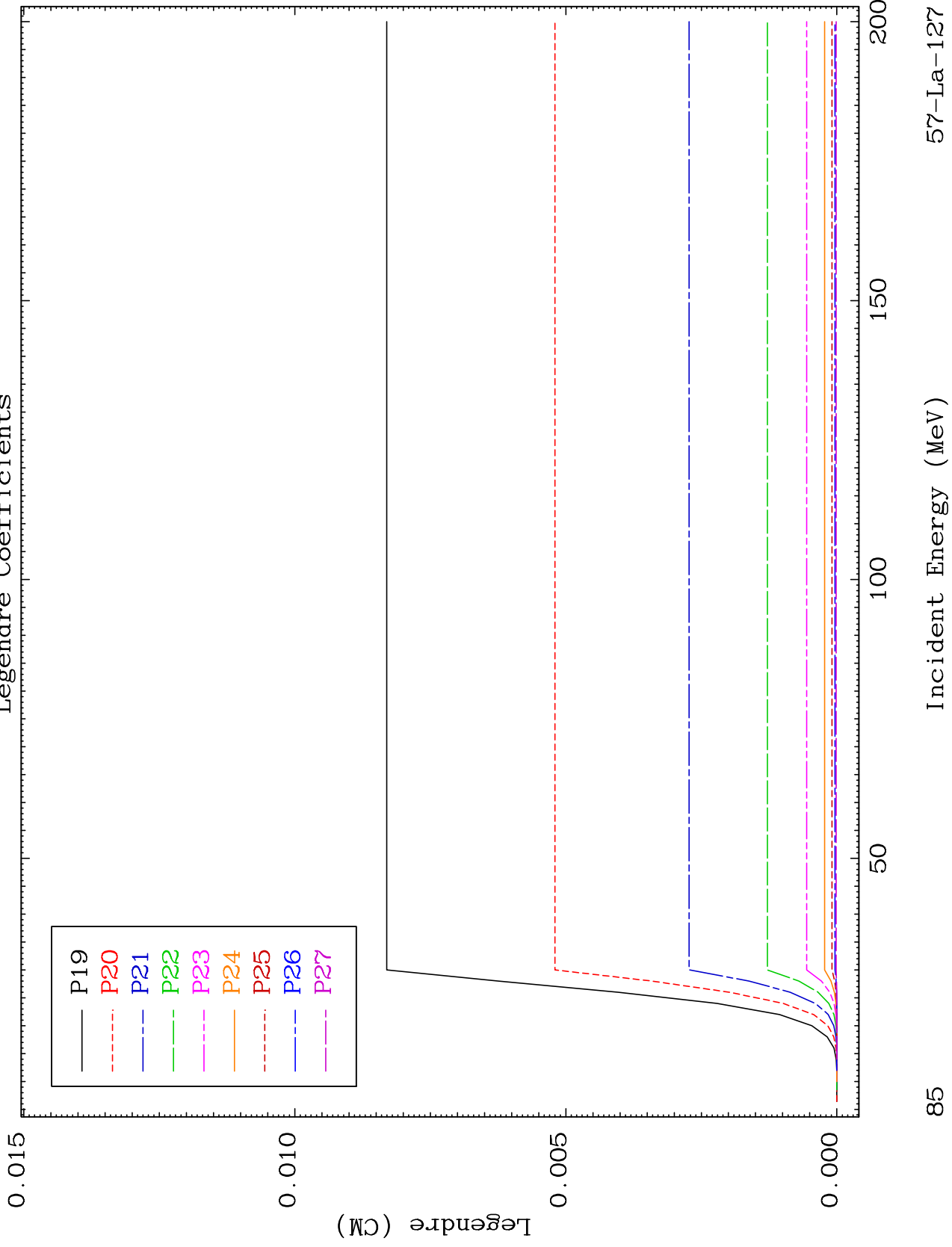
Incident Energy (MeV)

57-La-127

MAT 5692

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

57-La-127



85

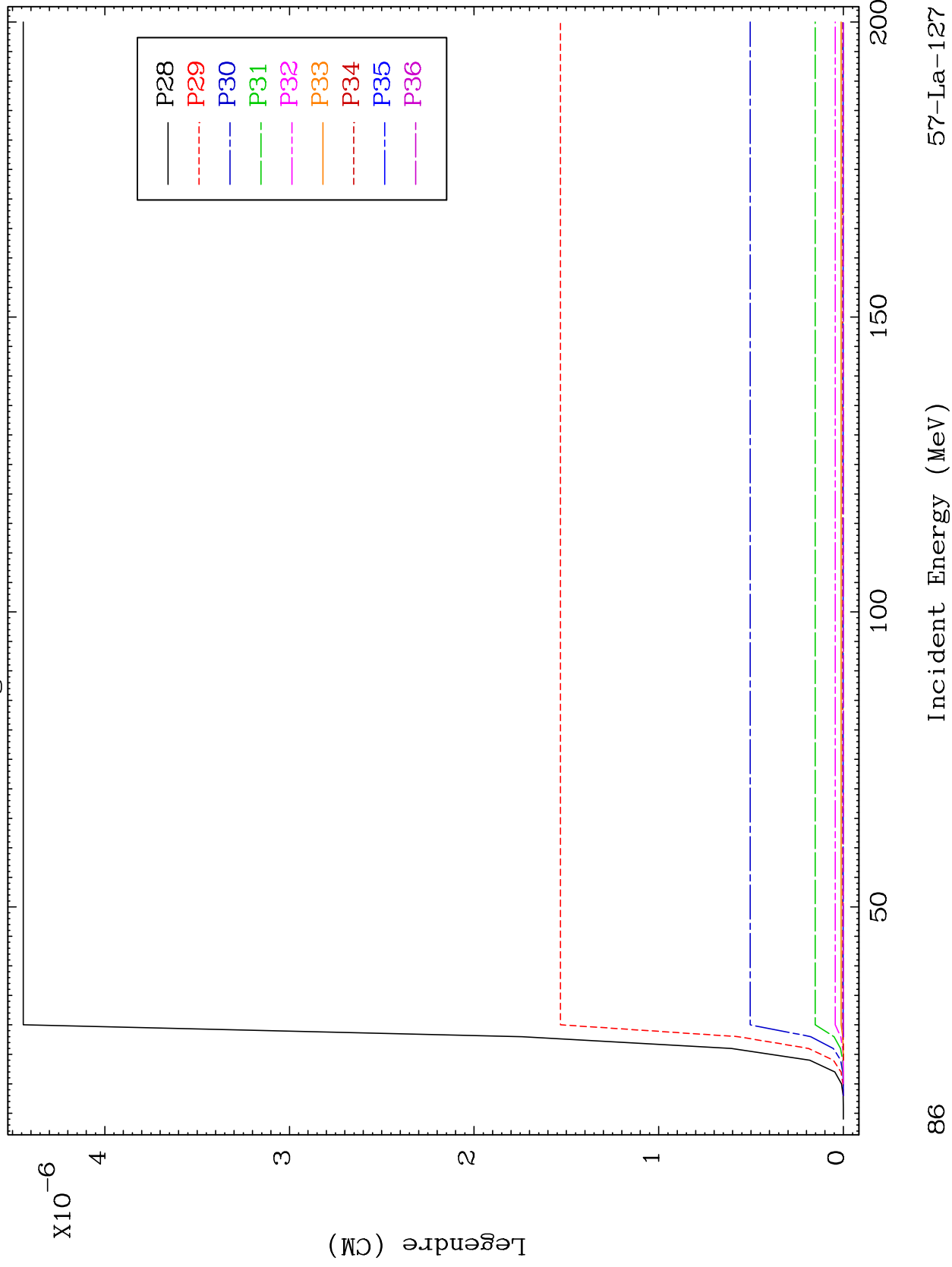
Incident Energy (MeV)

57-La-127

MAT 5692

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

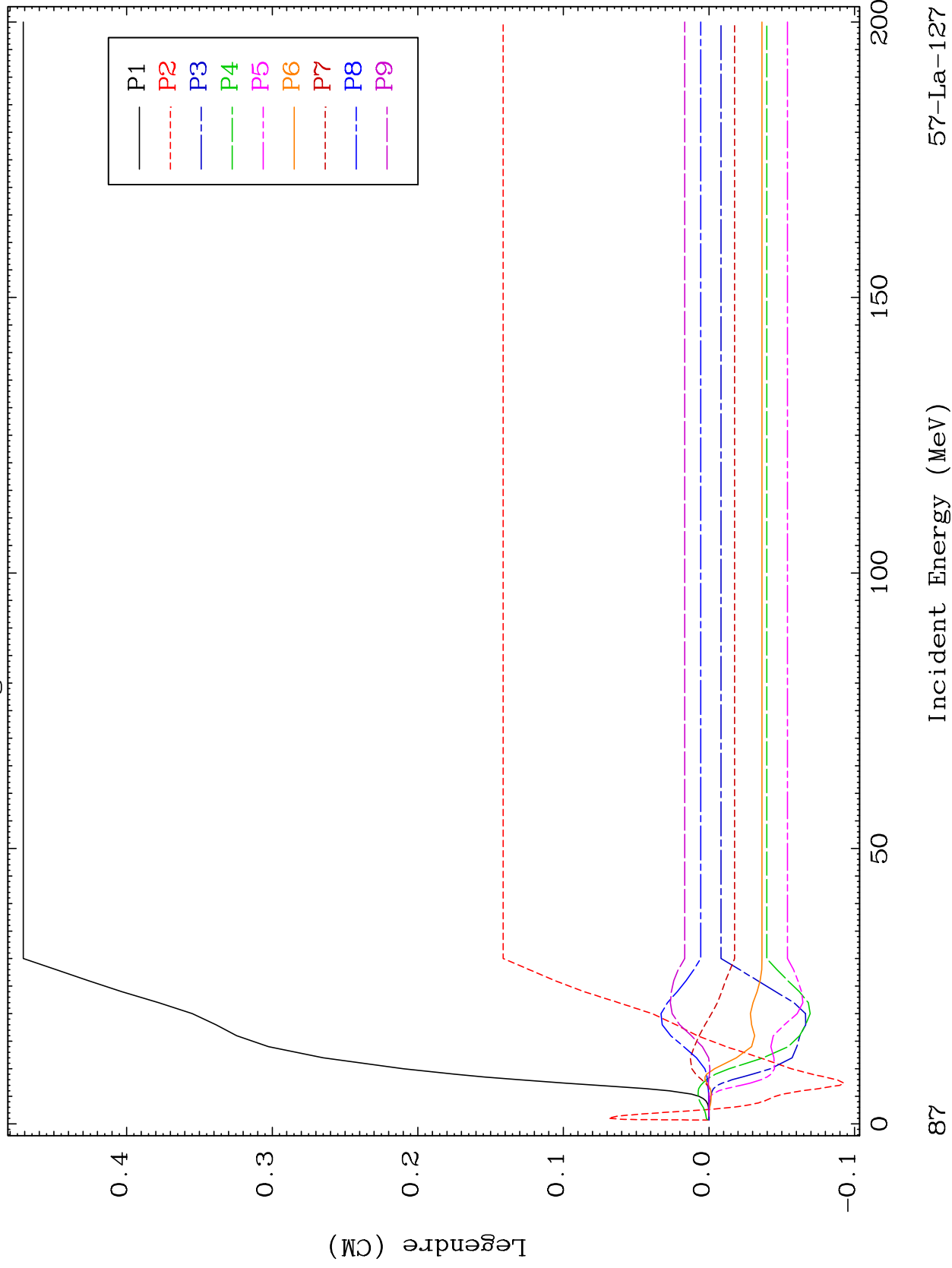
57-La-127



MAT 5692

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

57-La-127



57-La-127

Incident Energy (MeV)

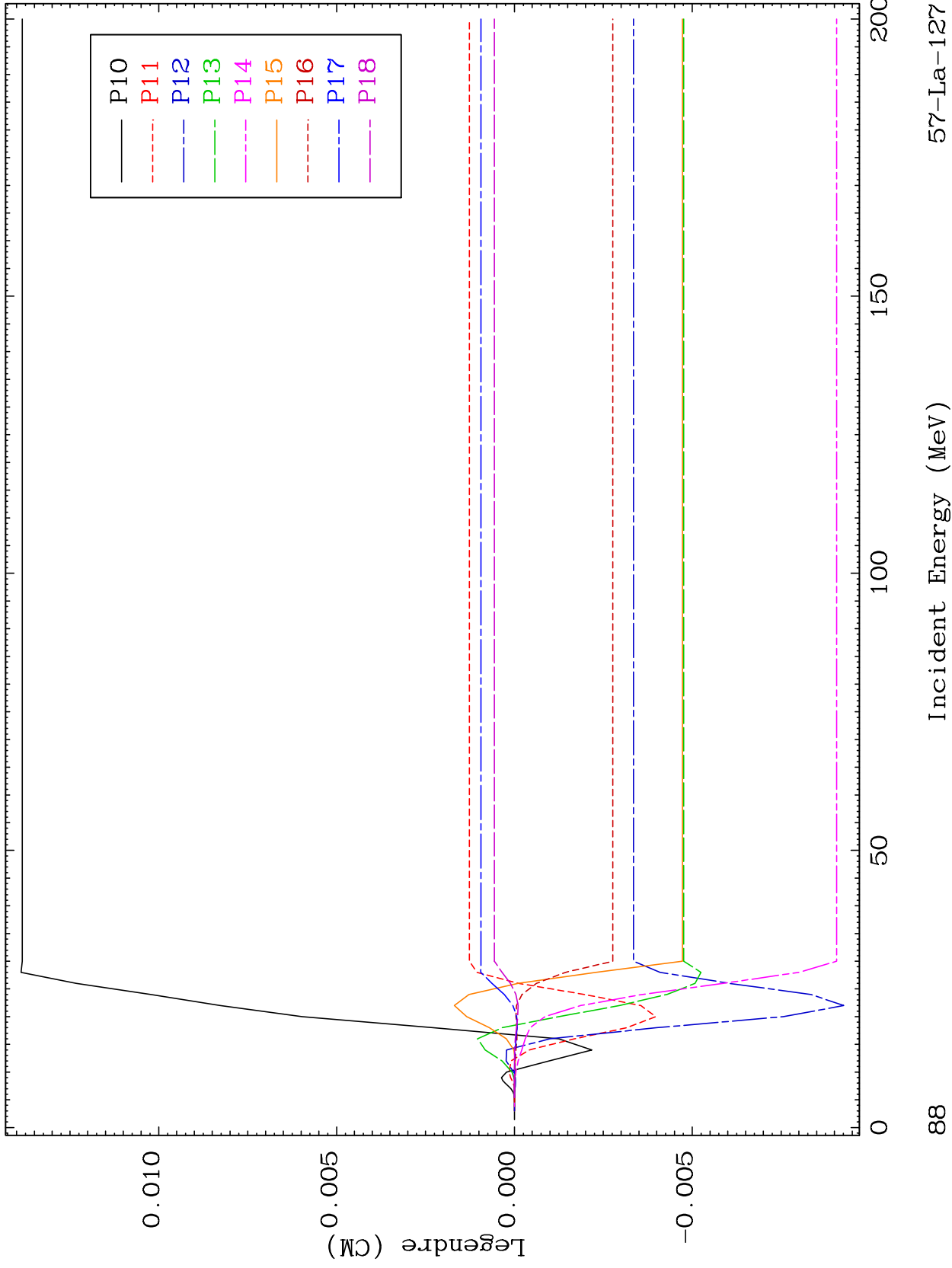
87



MAT 5692

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

57-La-127



88

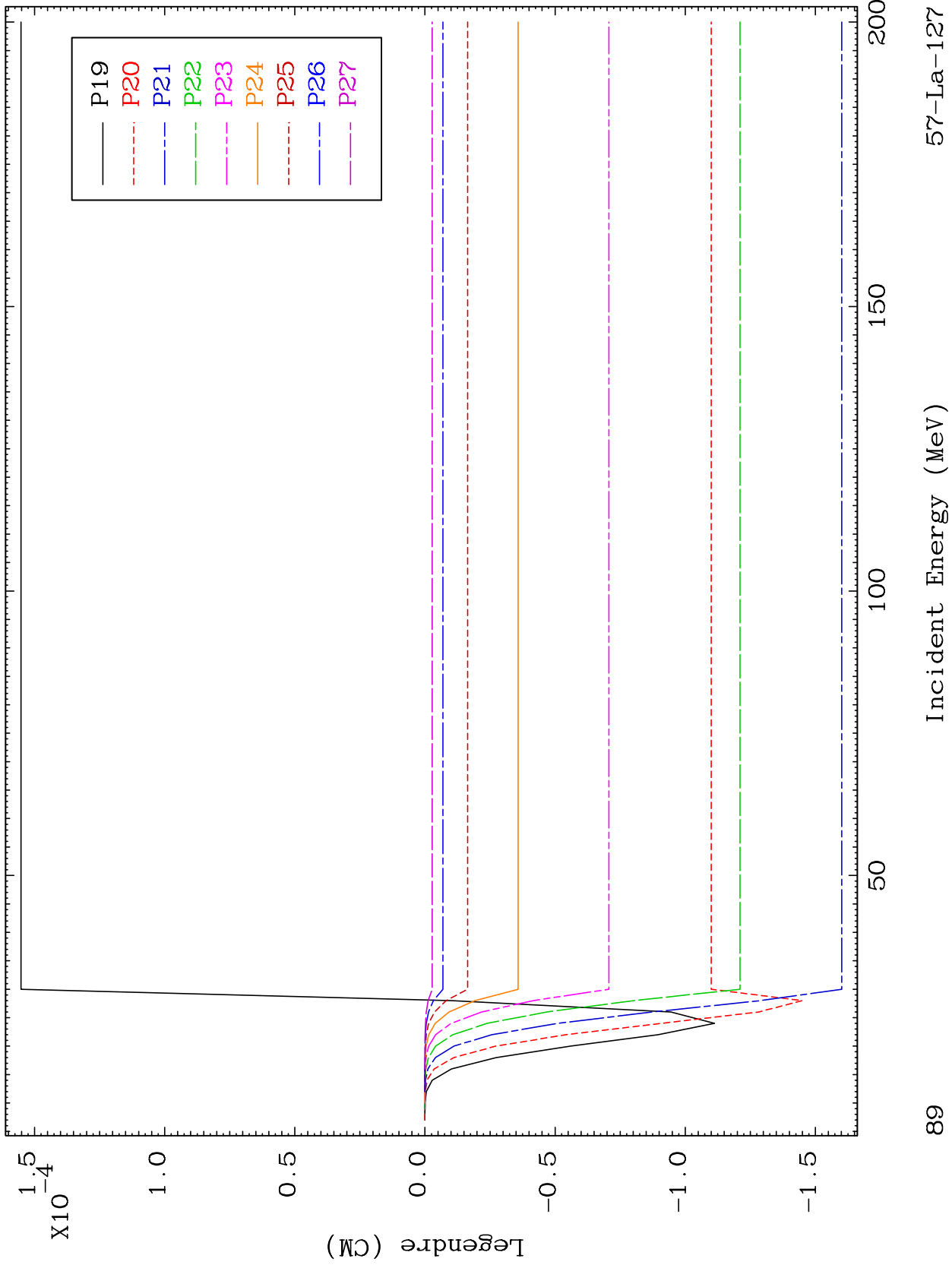
Incident Energy (MeV)

57-La-127

MAT 5692

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

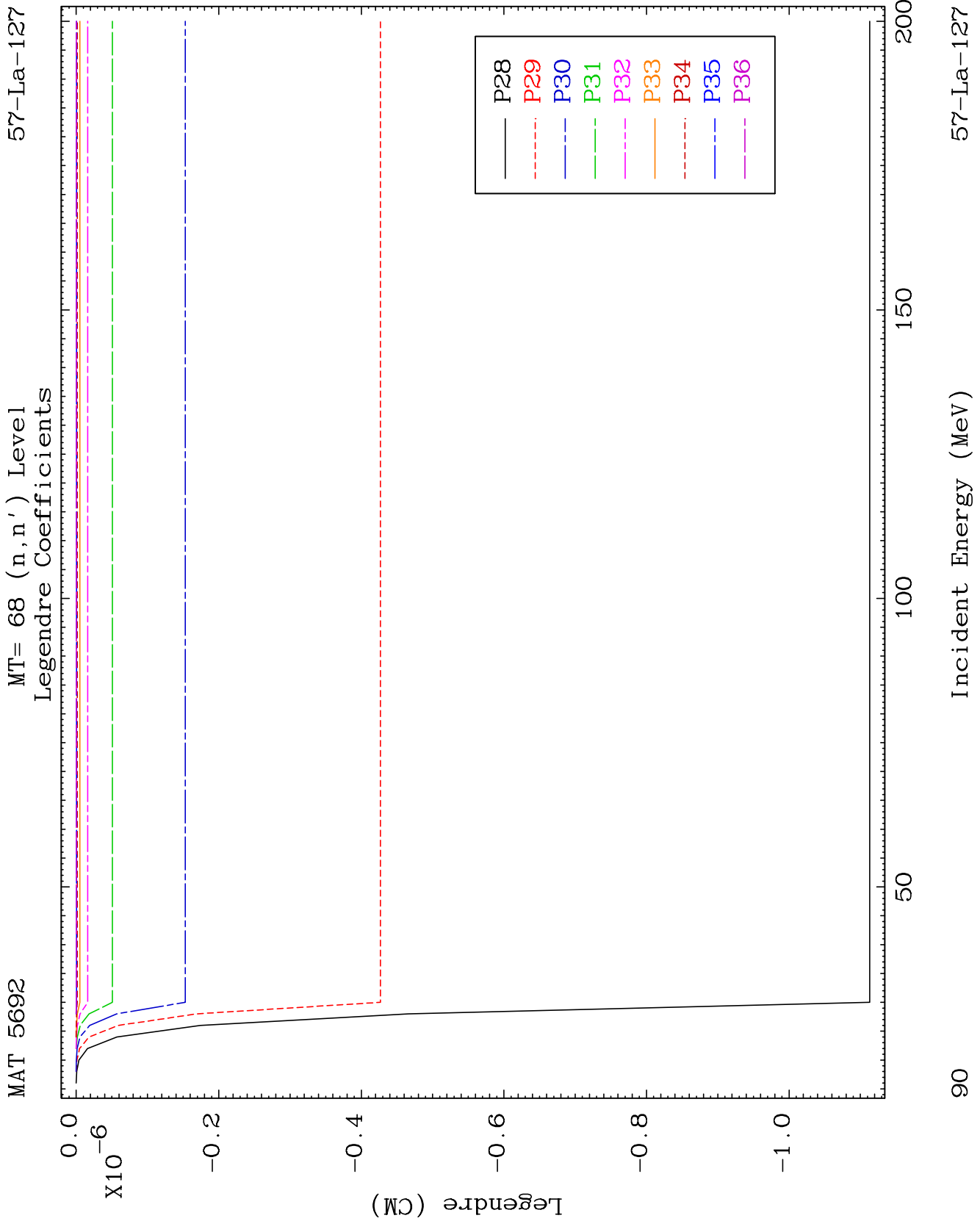
57-La-127



89

Incident Energy (MeV)

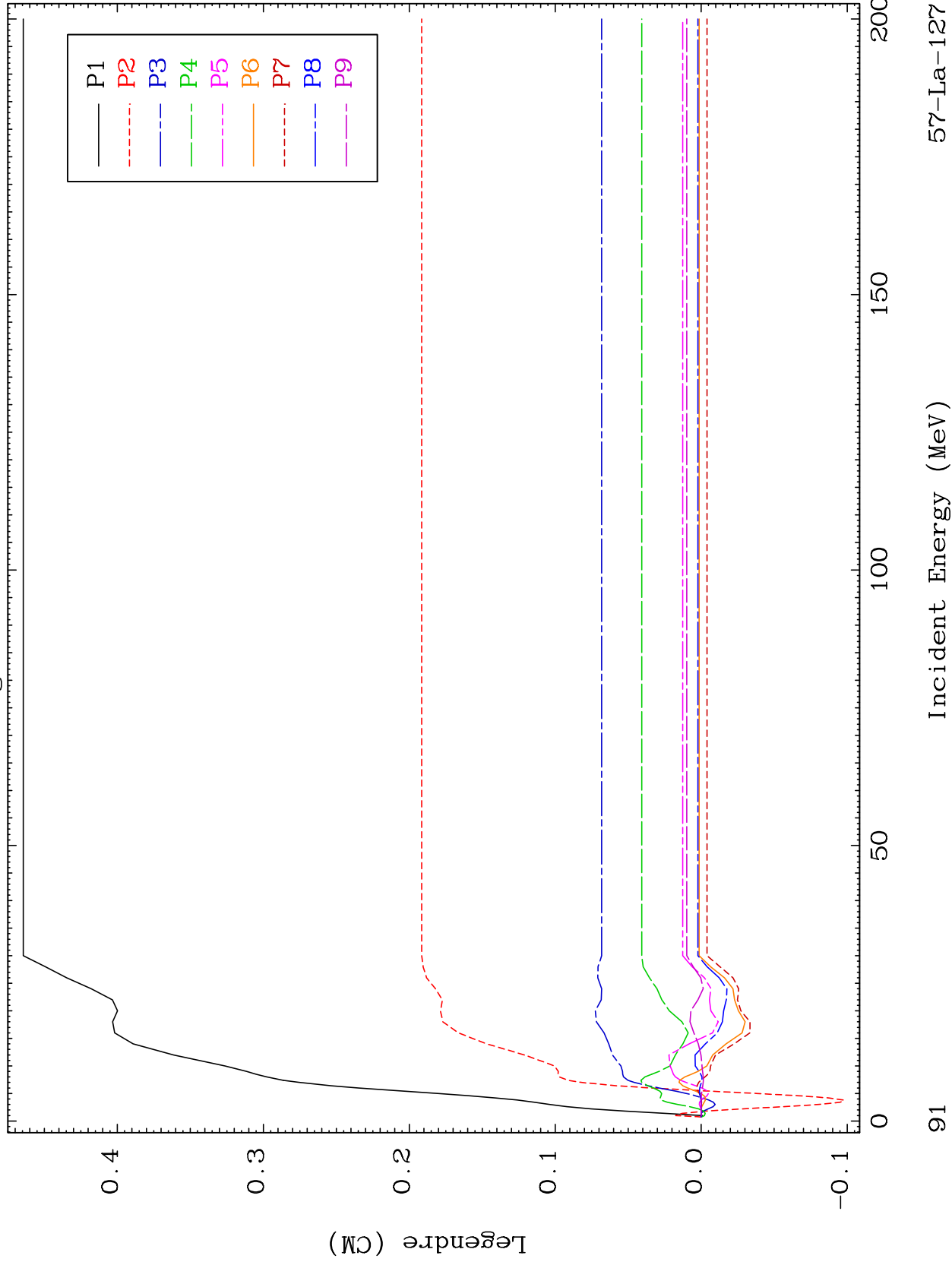
57-La-127



MAT 5692

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

57-La-127



57-La-127

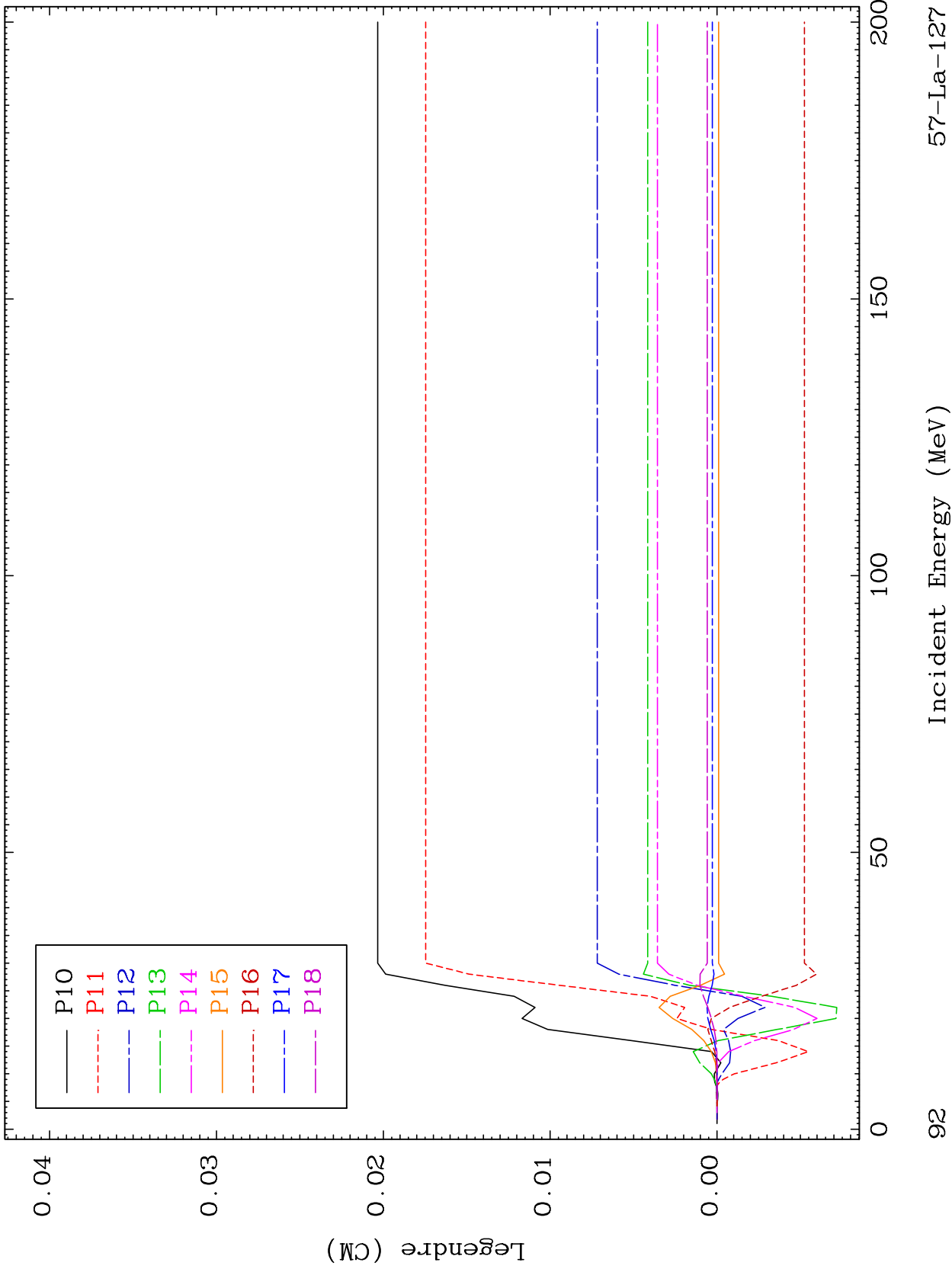
Incident Energy (MeV)

91

MAT 5692

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

57-La-127



57-La-127

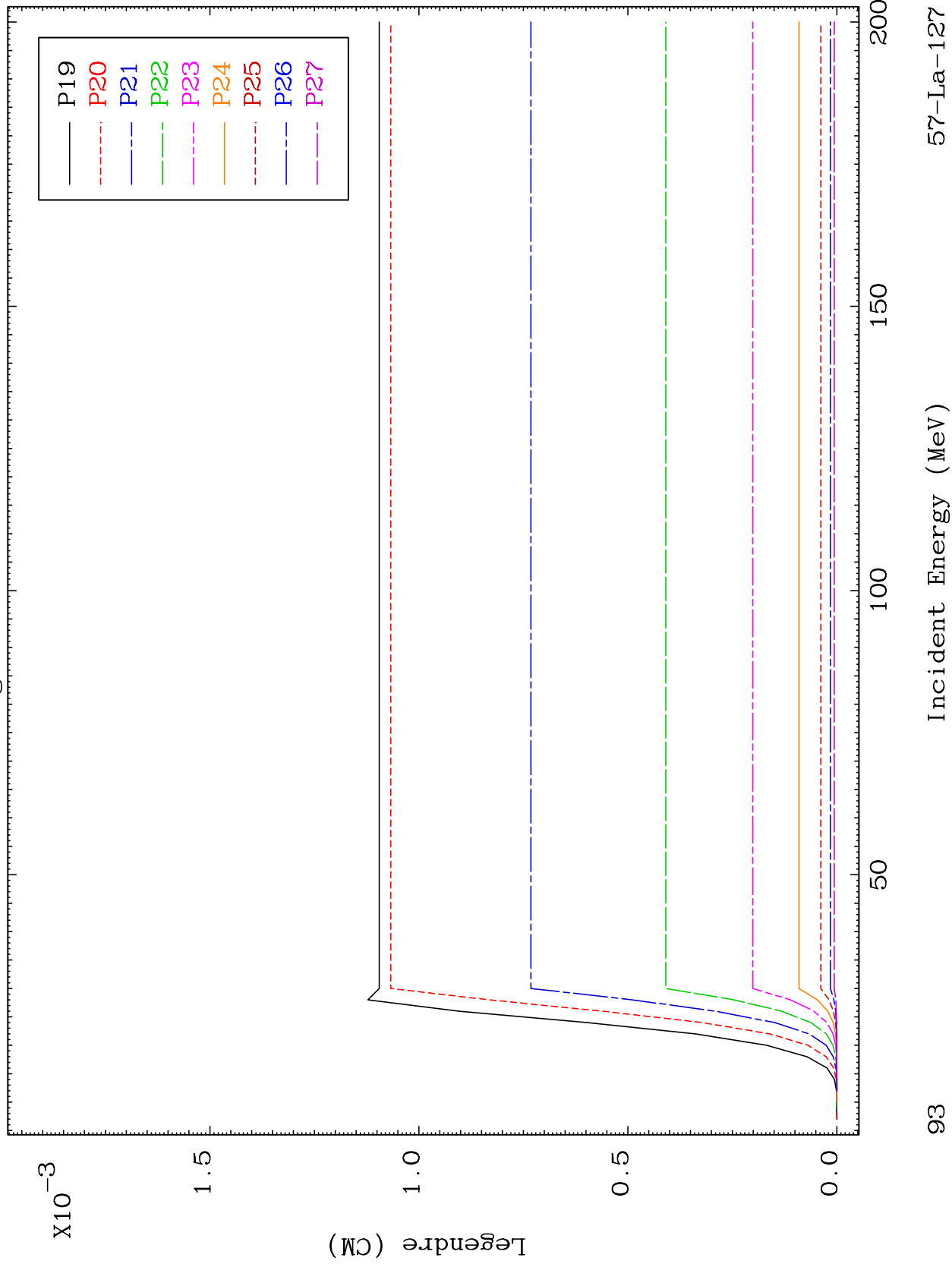
Incident Energy (MeV)

92

MAT 5692

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

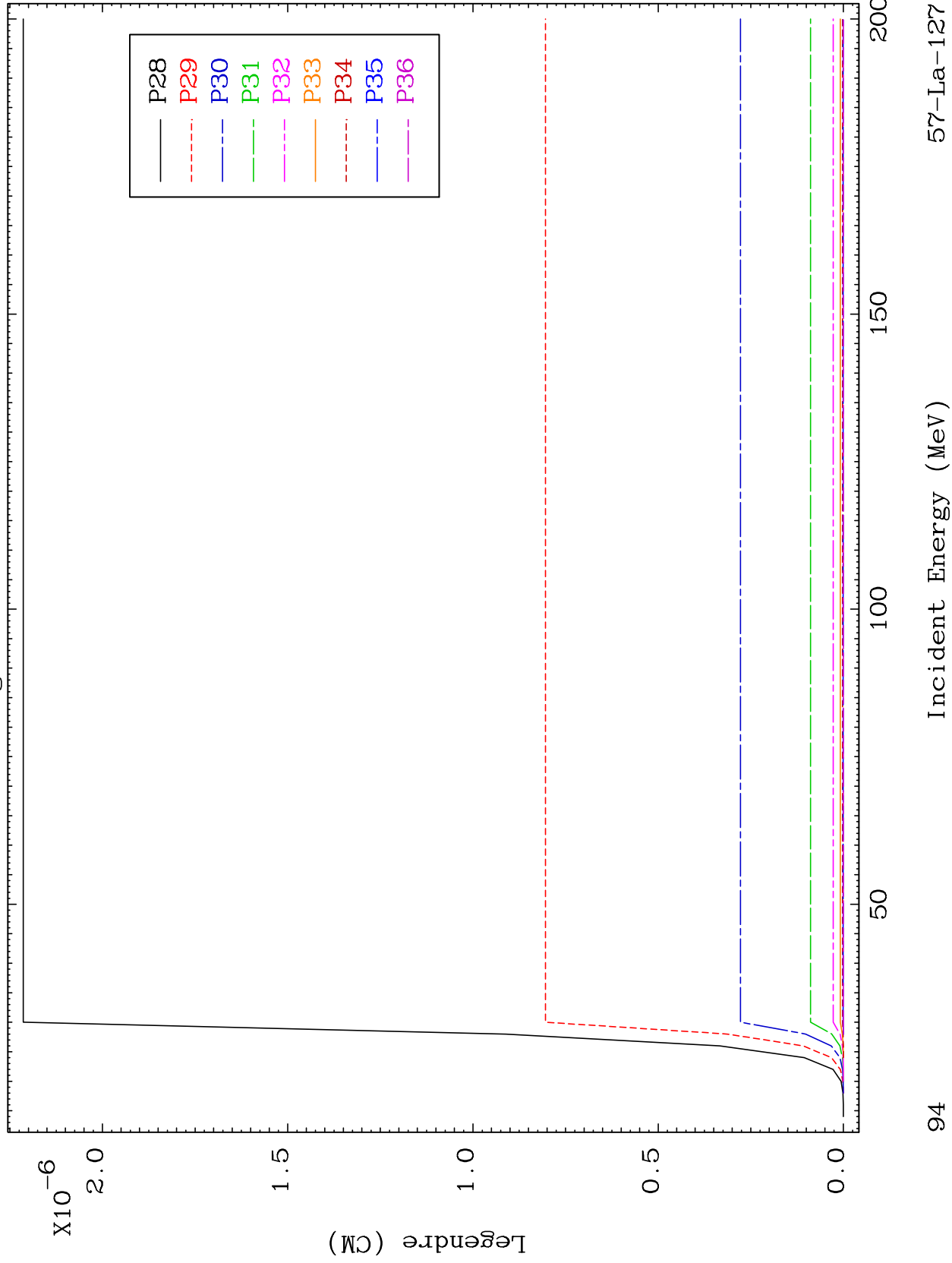
57-La-127



MAT 5692

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

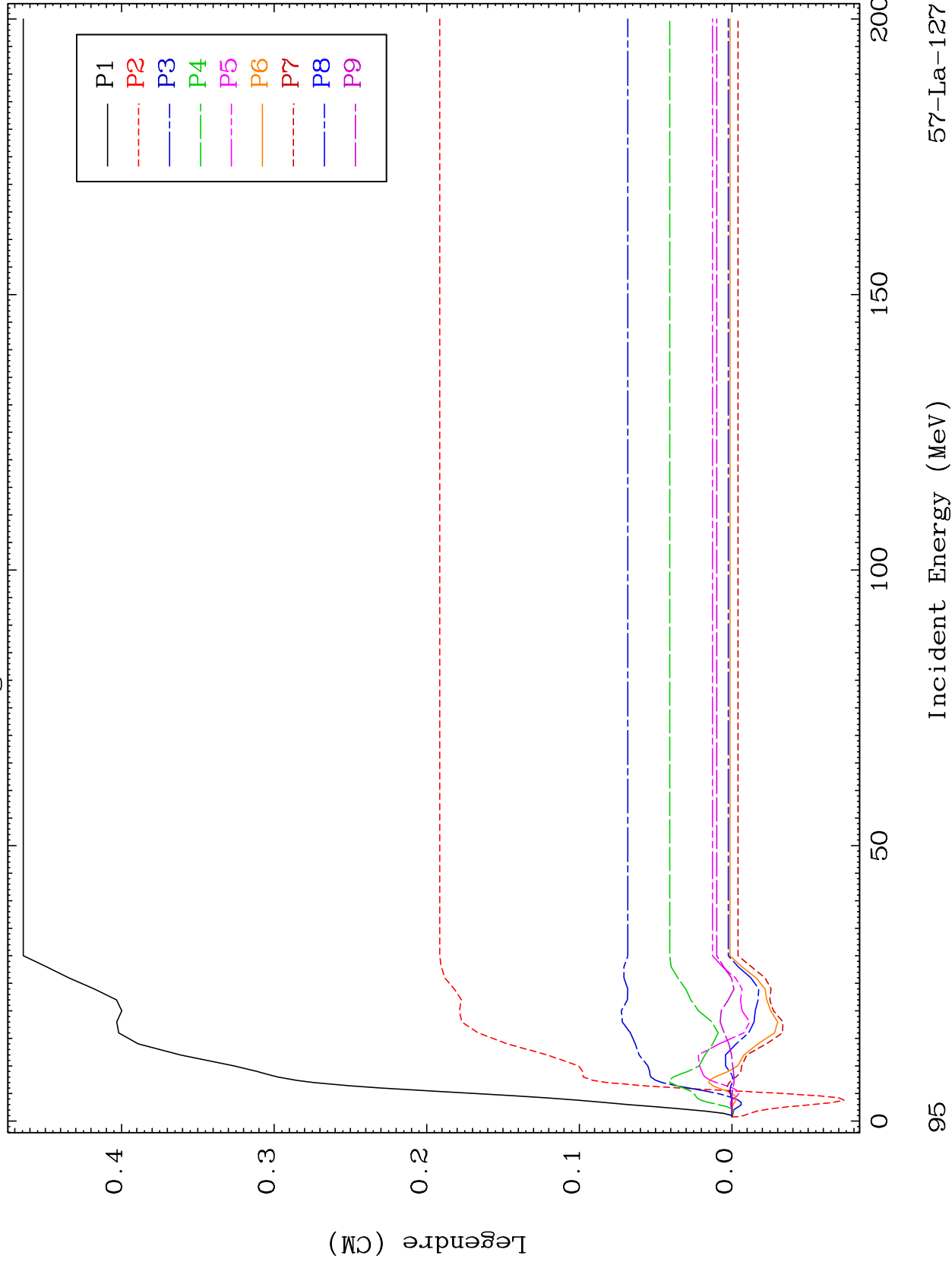
57-La-127



MAT 5692

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

57-La-127



57-La-127

Incident Energy (MeV)

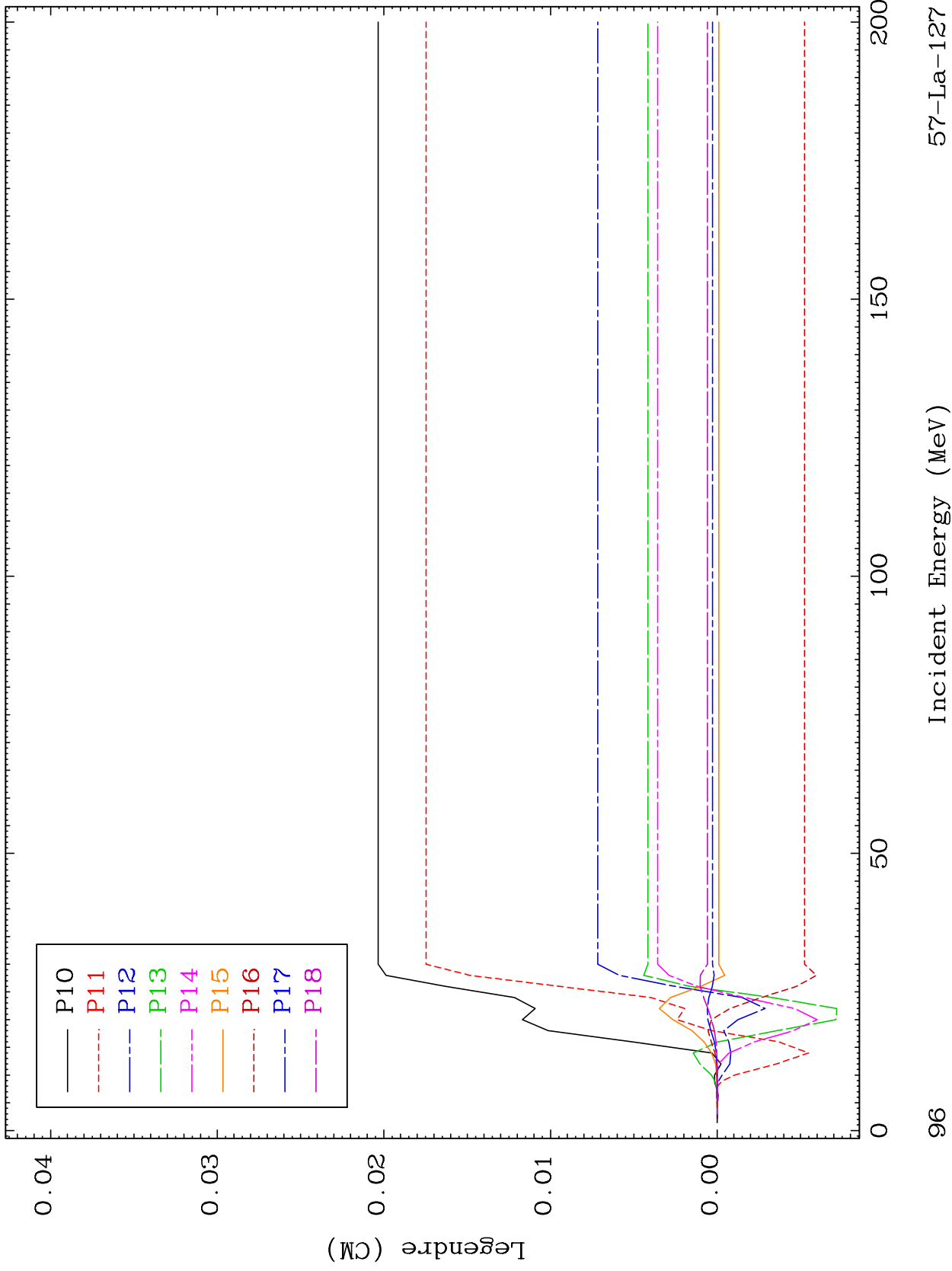
95



MAT 5692

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

57-La-127



57-La-127

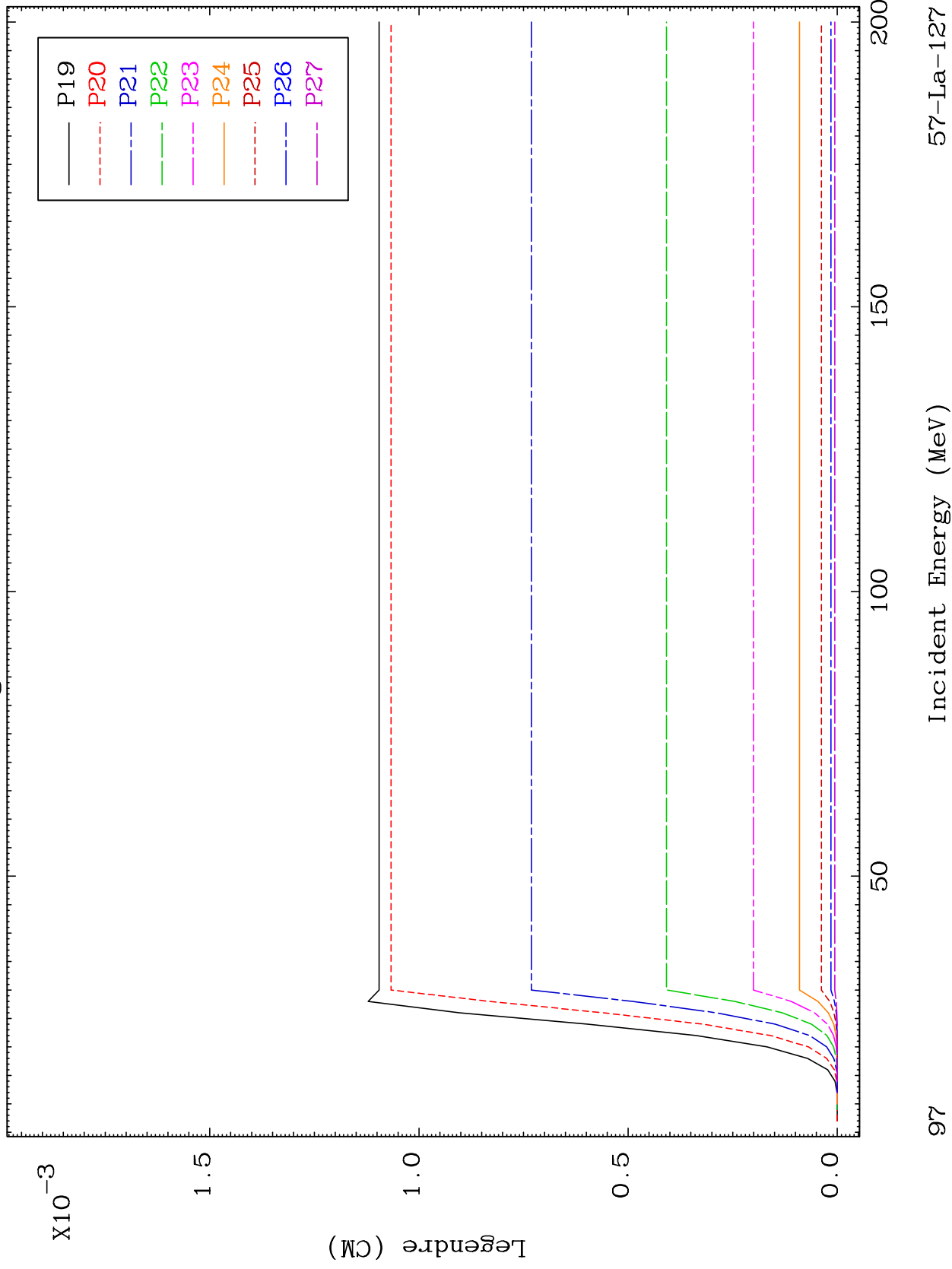
Incident Energy (MeV)

96

MAT 5692

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

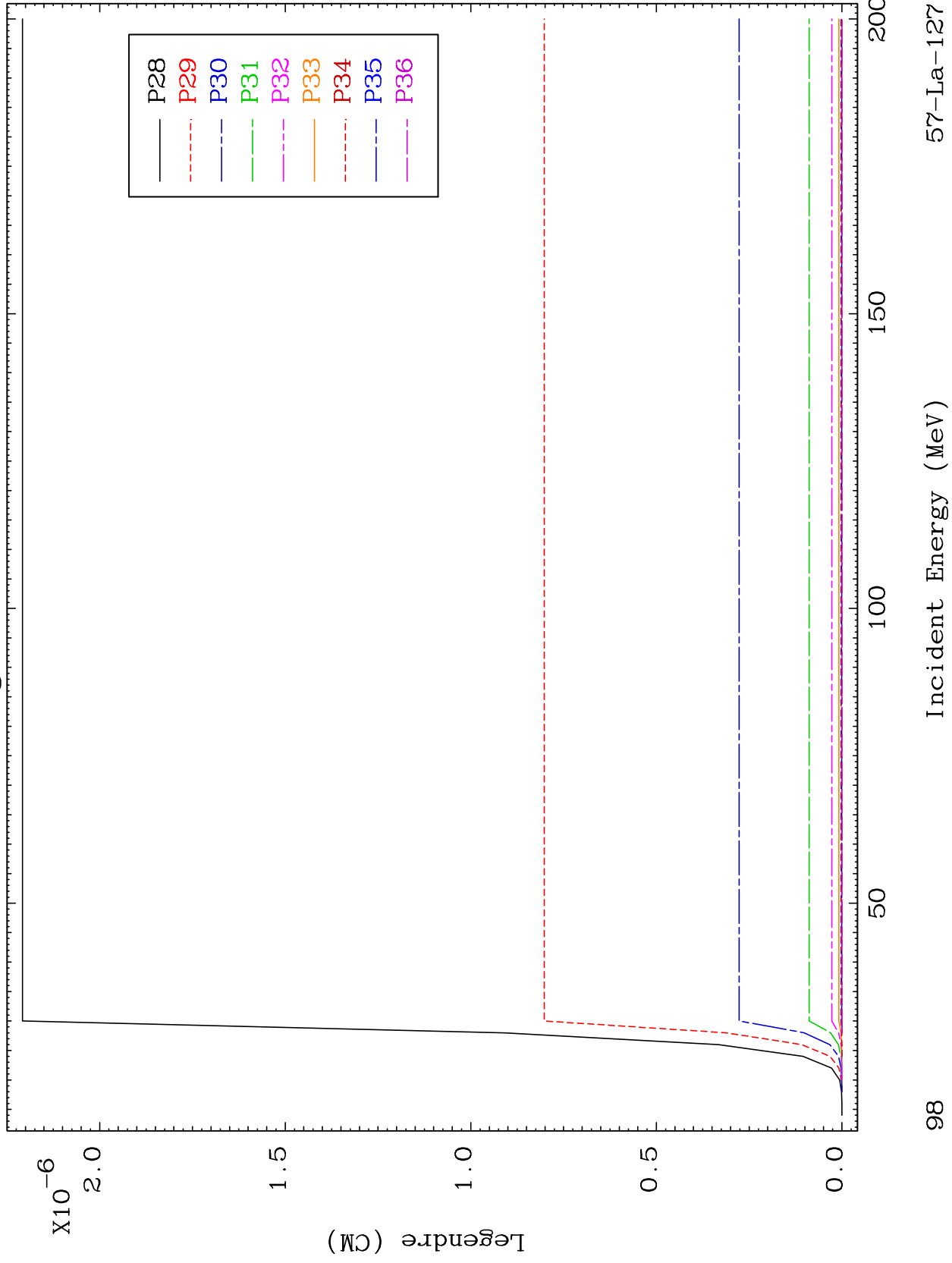
57-La-127



MAT 5692

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

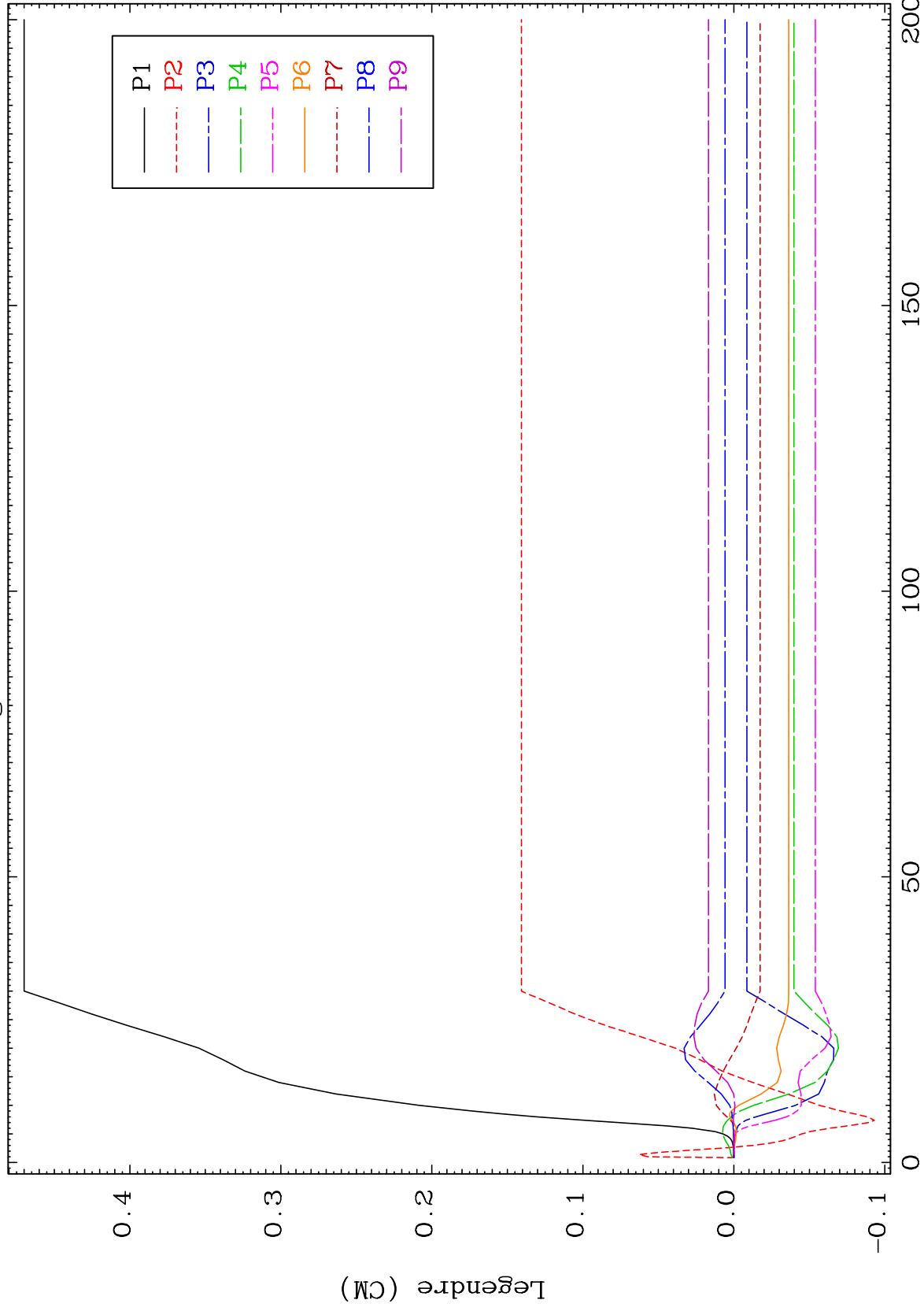
57-La-127



MAT 5692

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

57-La-127



99

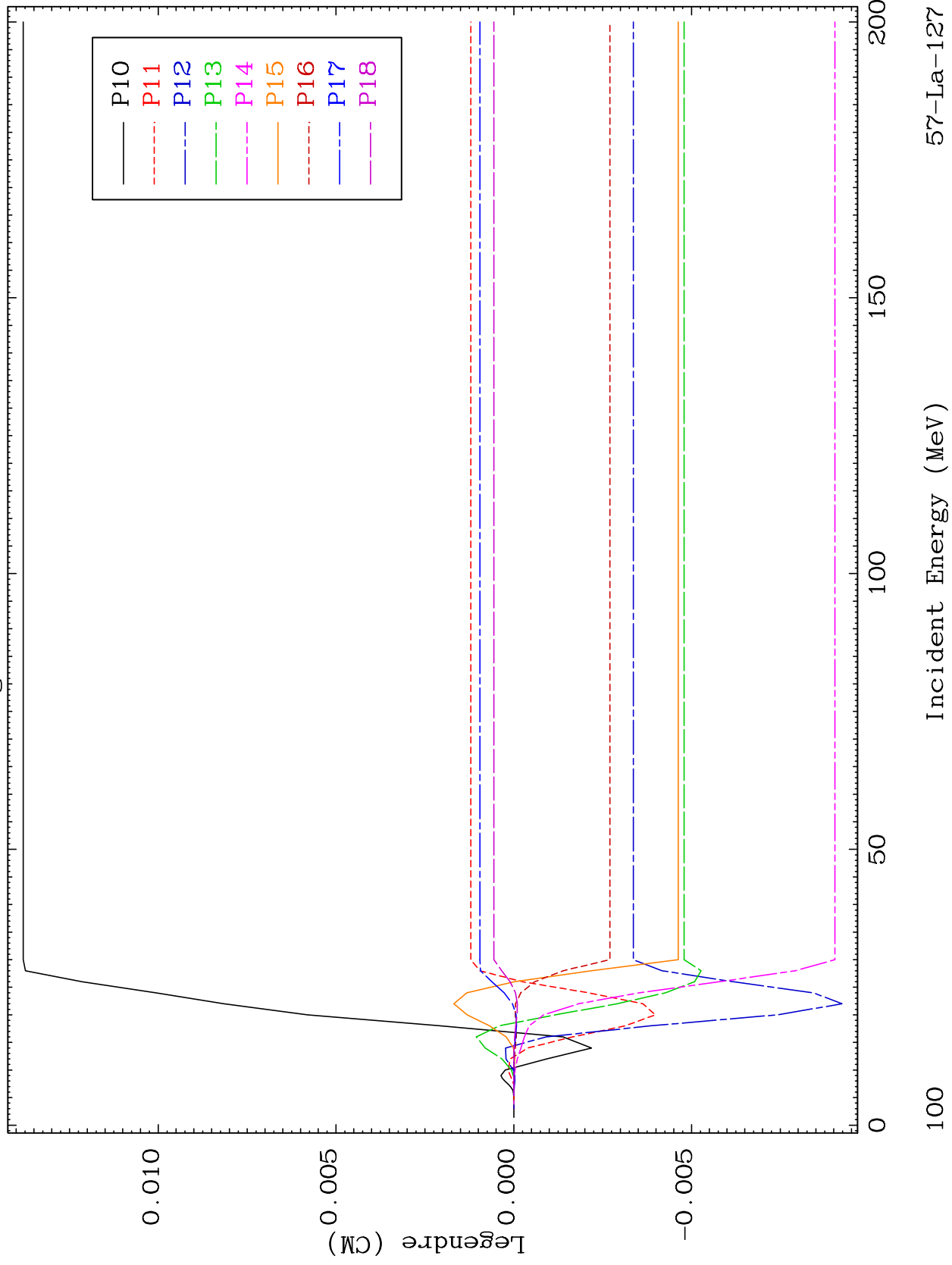
Incident Energy (MeV)

57-La-127

MAT 5692

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

57-La-127



57-La-127

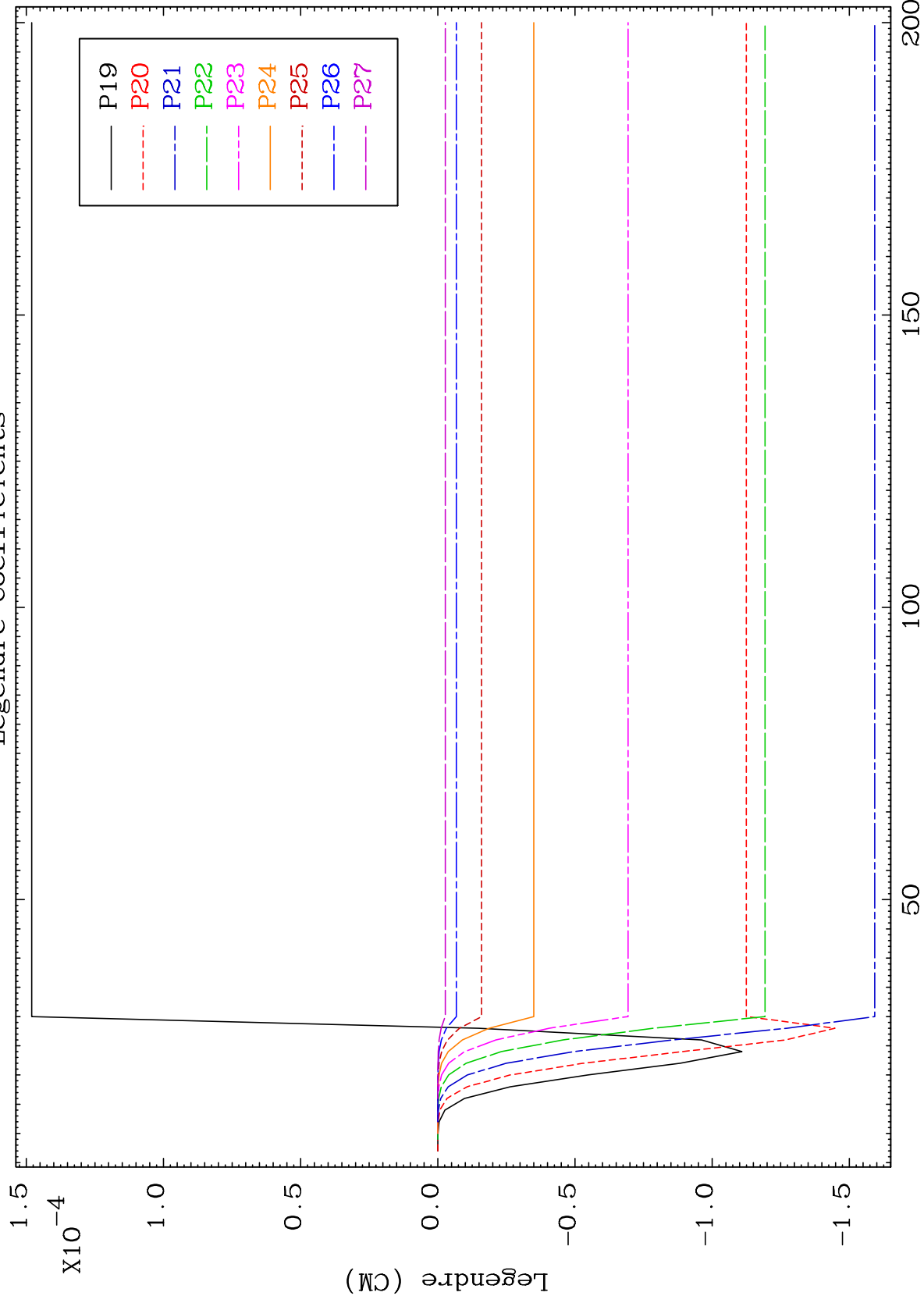
Incident Energy (MeV)

100

MAT 5692

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

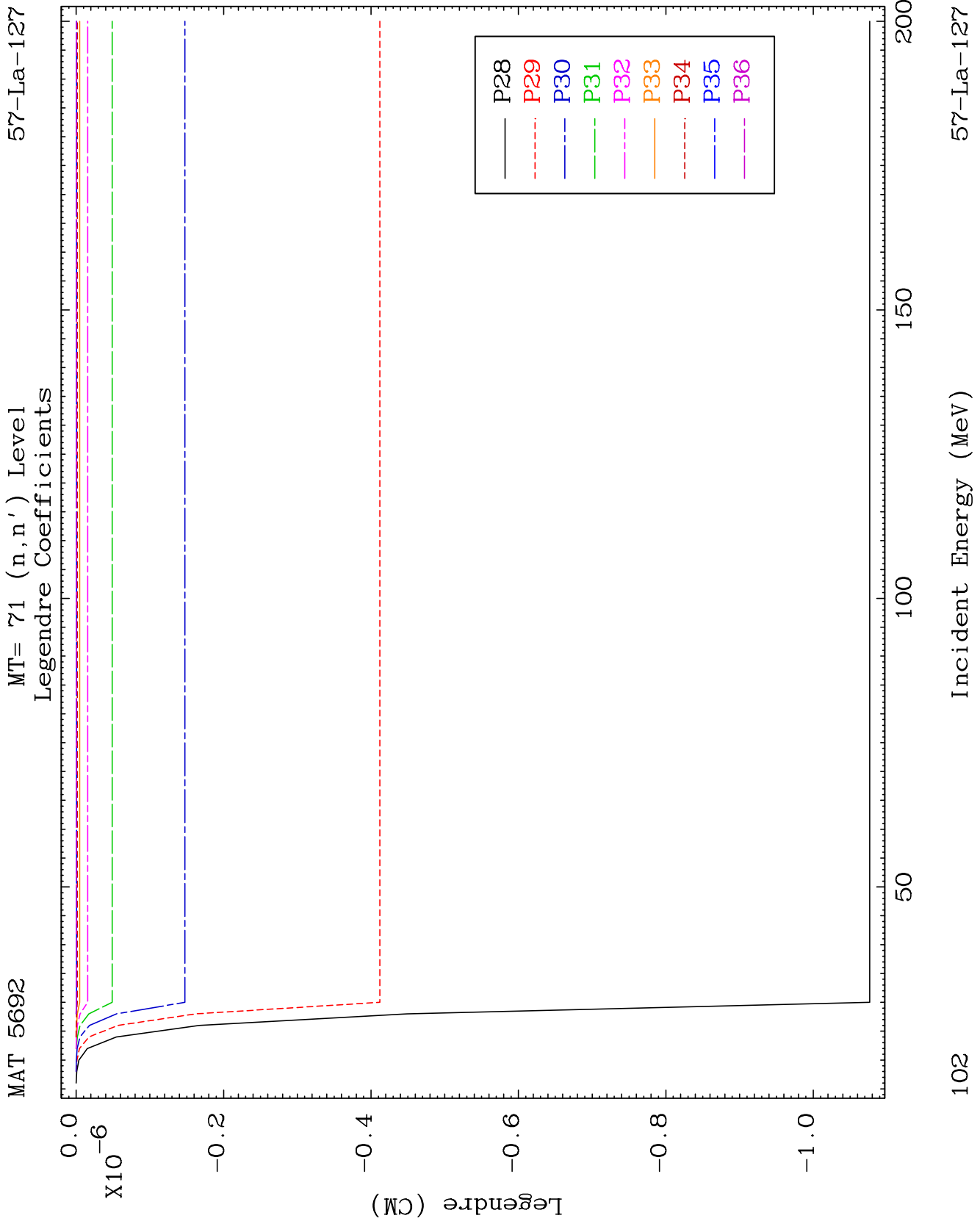
57-La-127



101

Incident Energy (MeV)

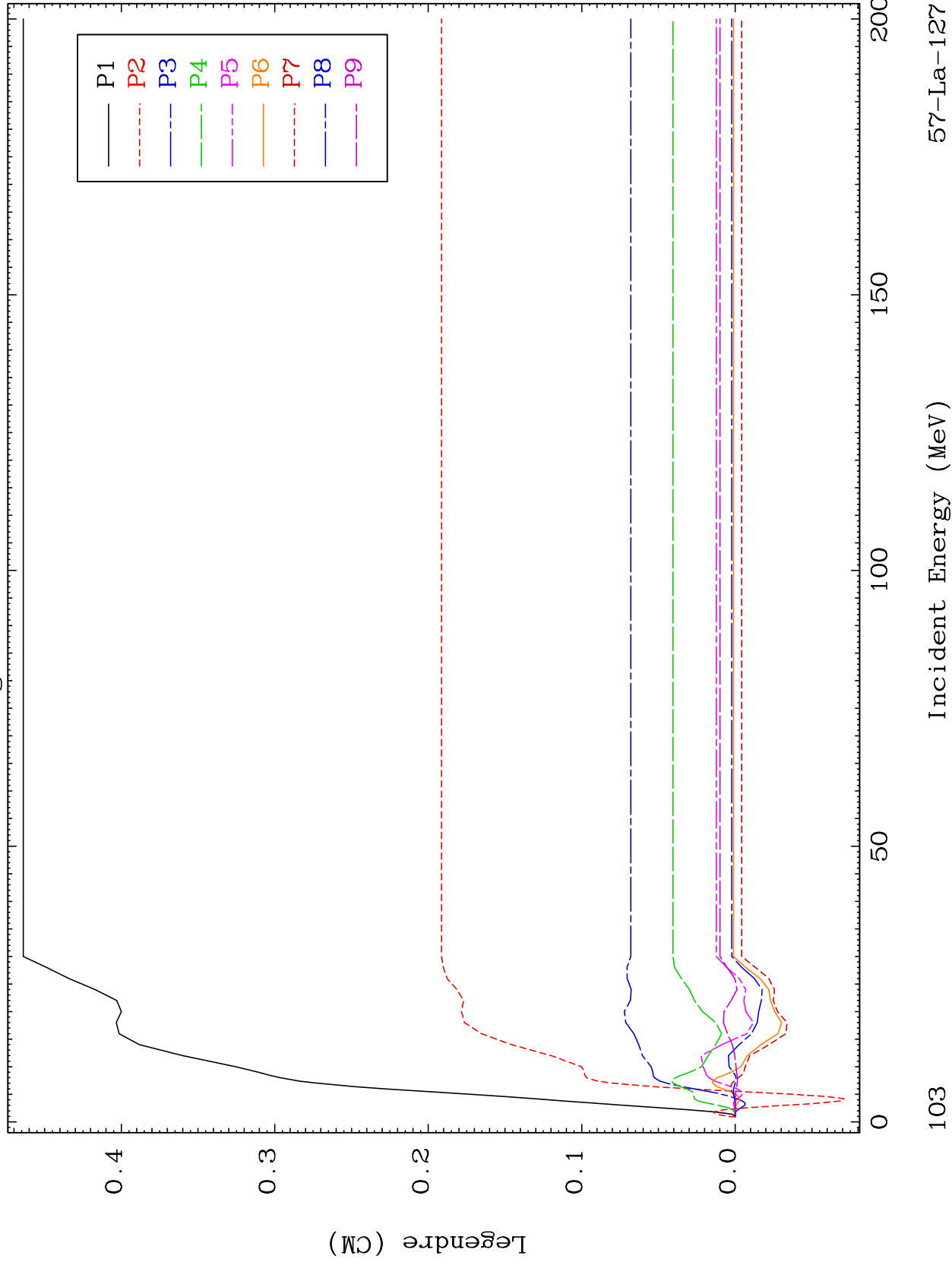
57-La-127



MAT 5692

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

57-La-127



57-La-127

Incident Energy (MeV)

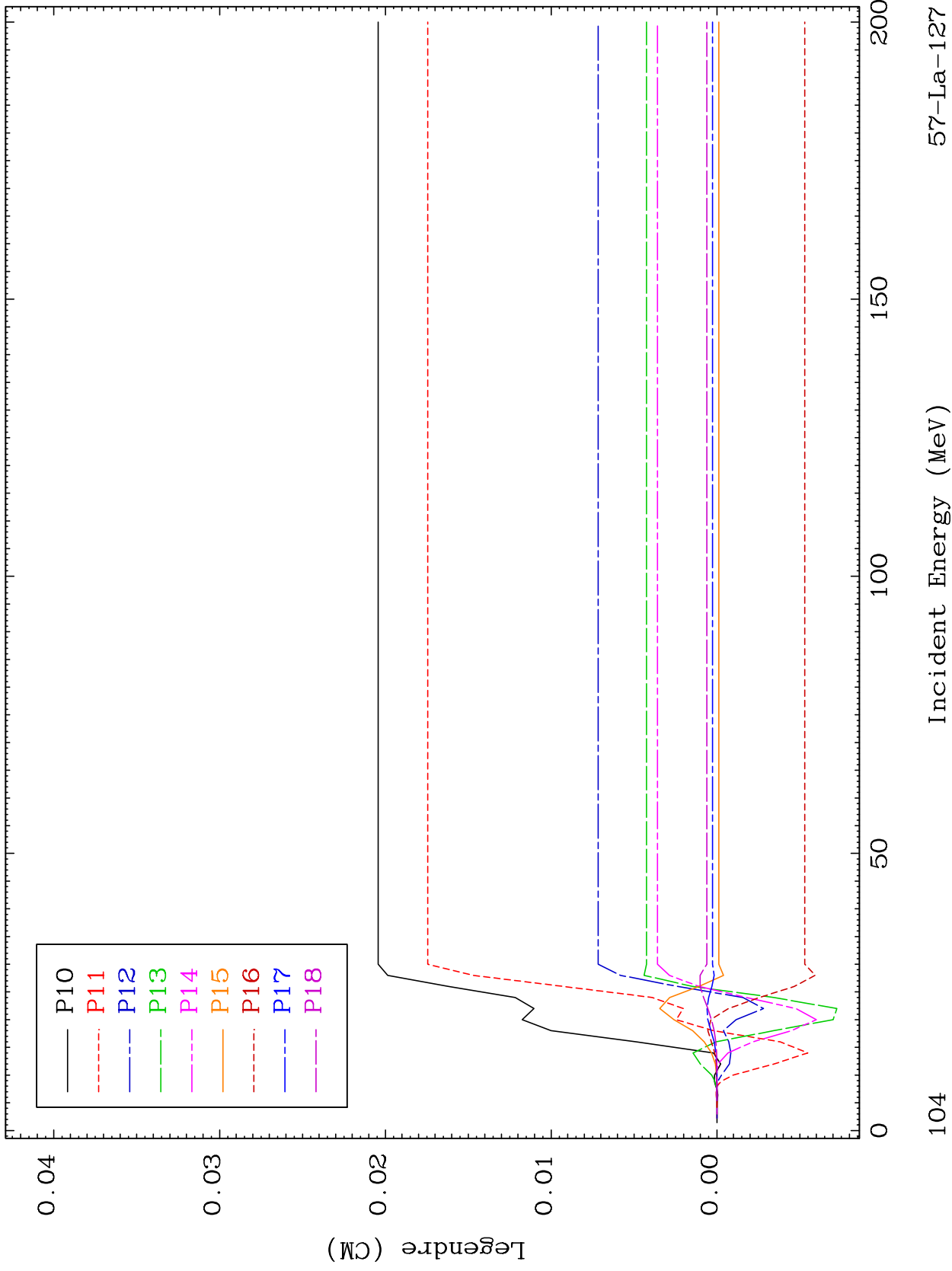
103



MAT 5692

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

57-La-127



57-La-127

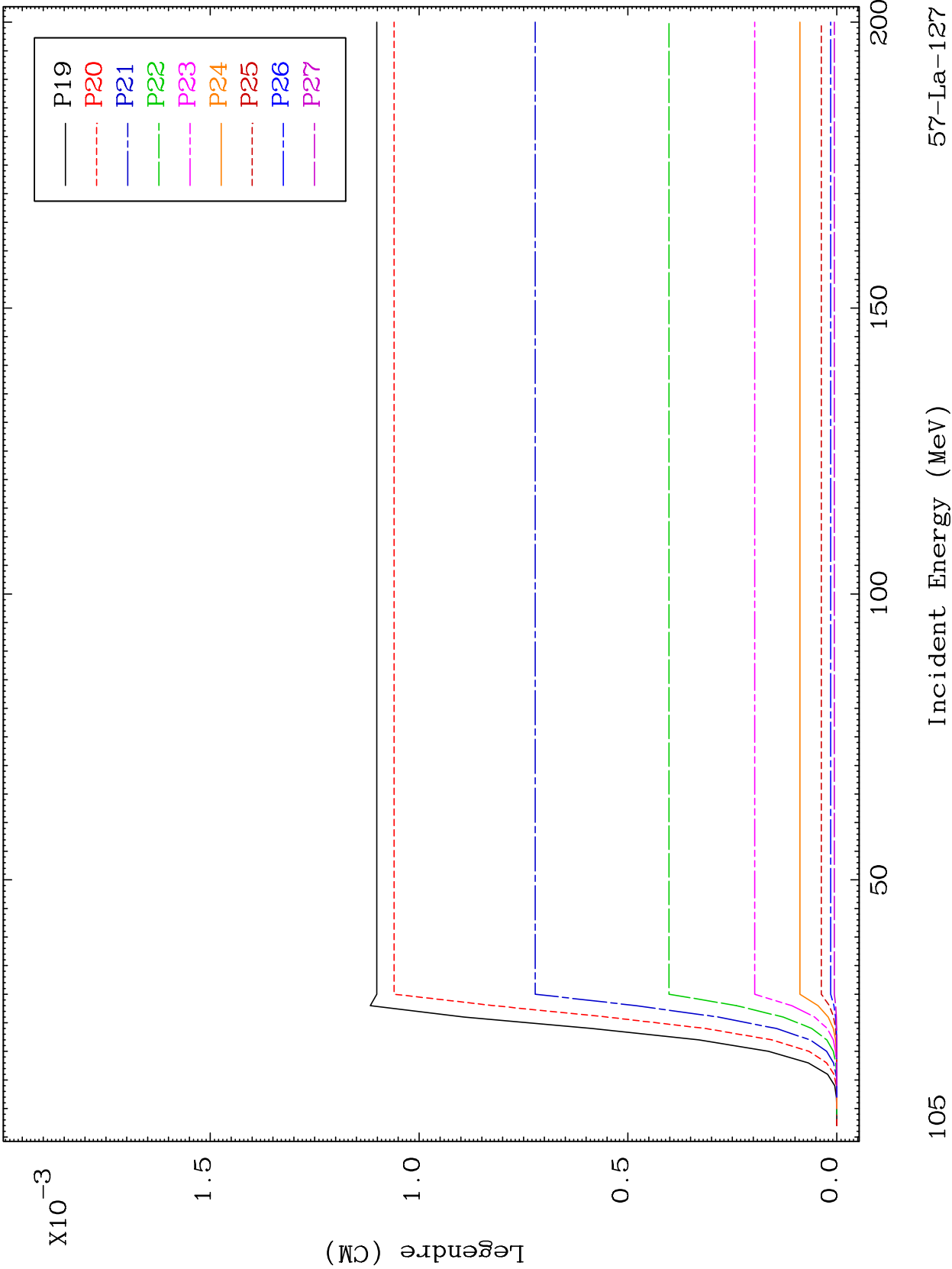
Incident Energy (MeV)

104

MAT 5692

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

57-La-127



105

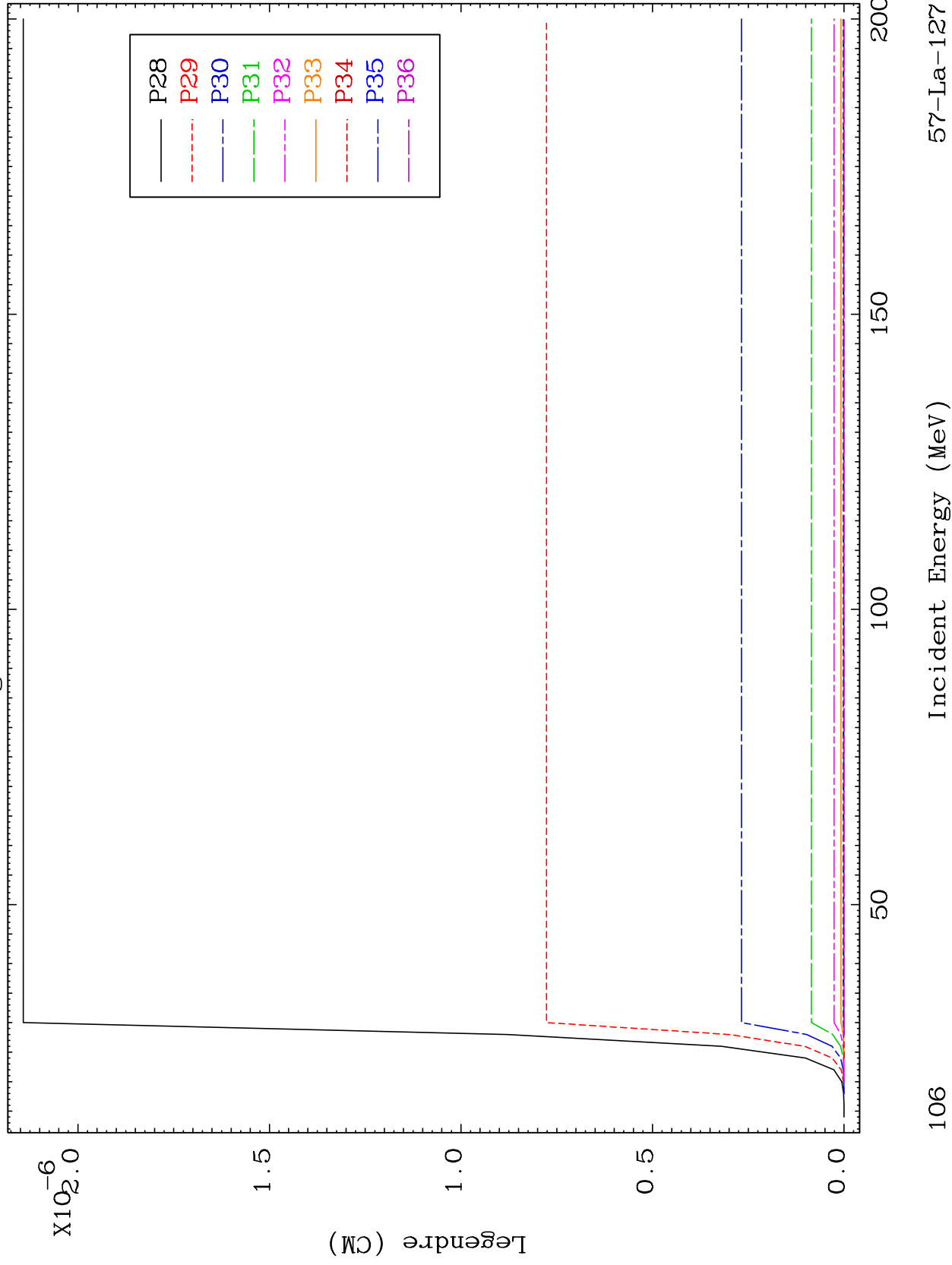
Incident Energy (MeV)

57-La-127

MAT 5692

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

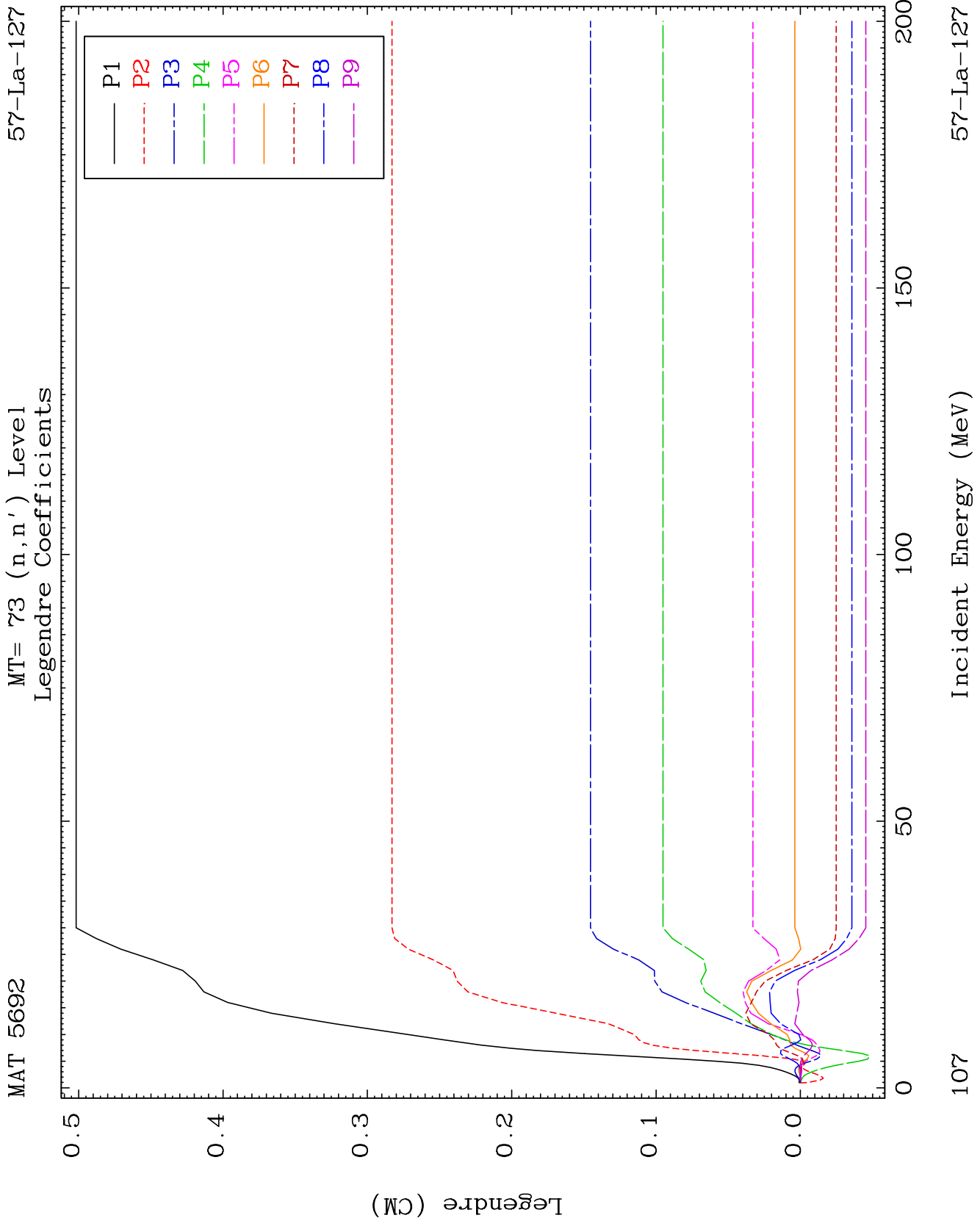
57-La-127



106

Incident Energy (MeV)

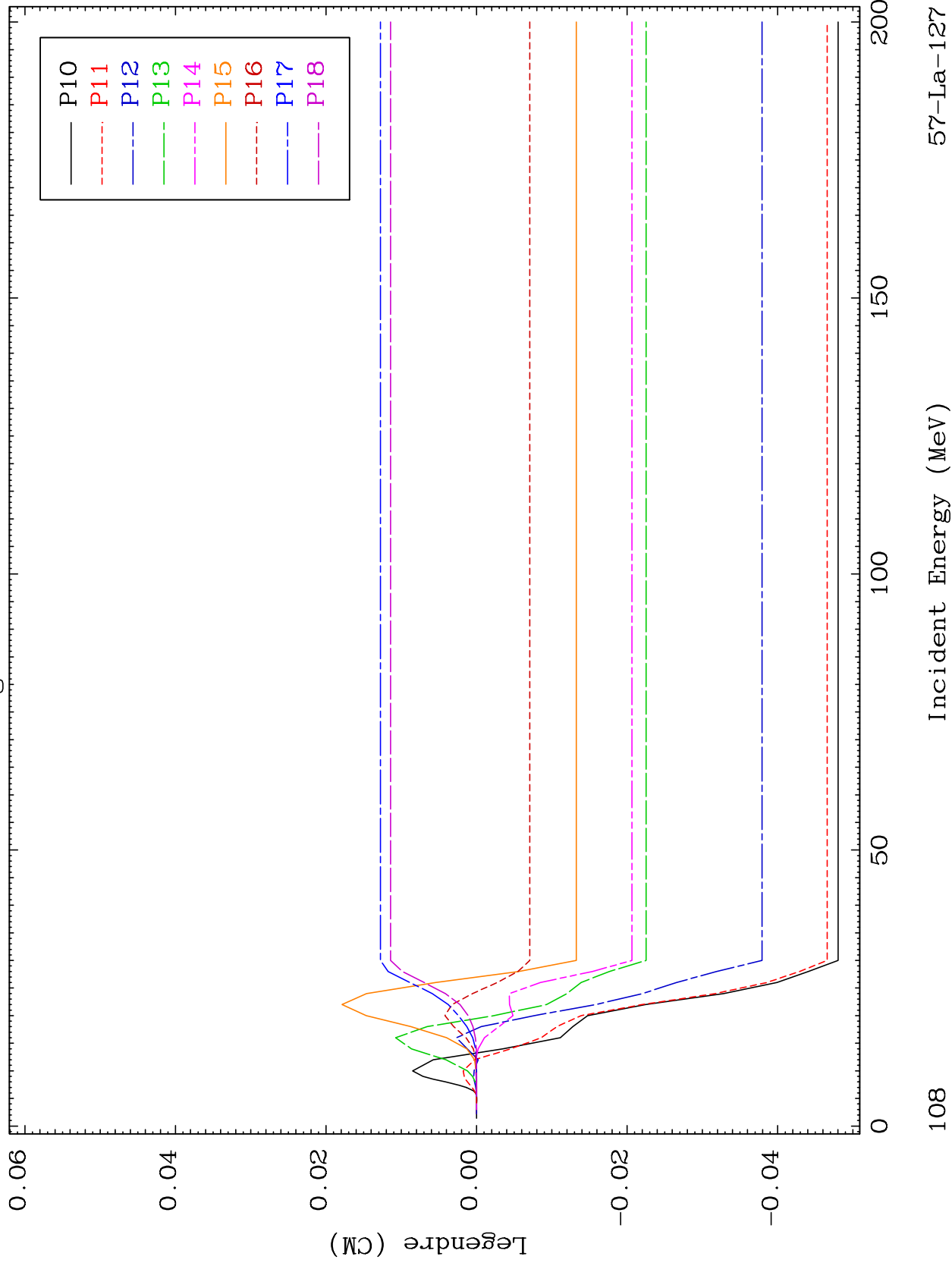
57-La-127



MAT 5692

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

57-La-127



57-La-127

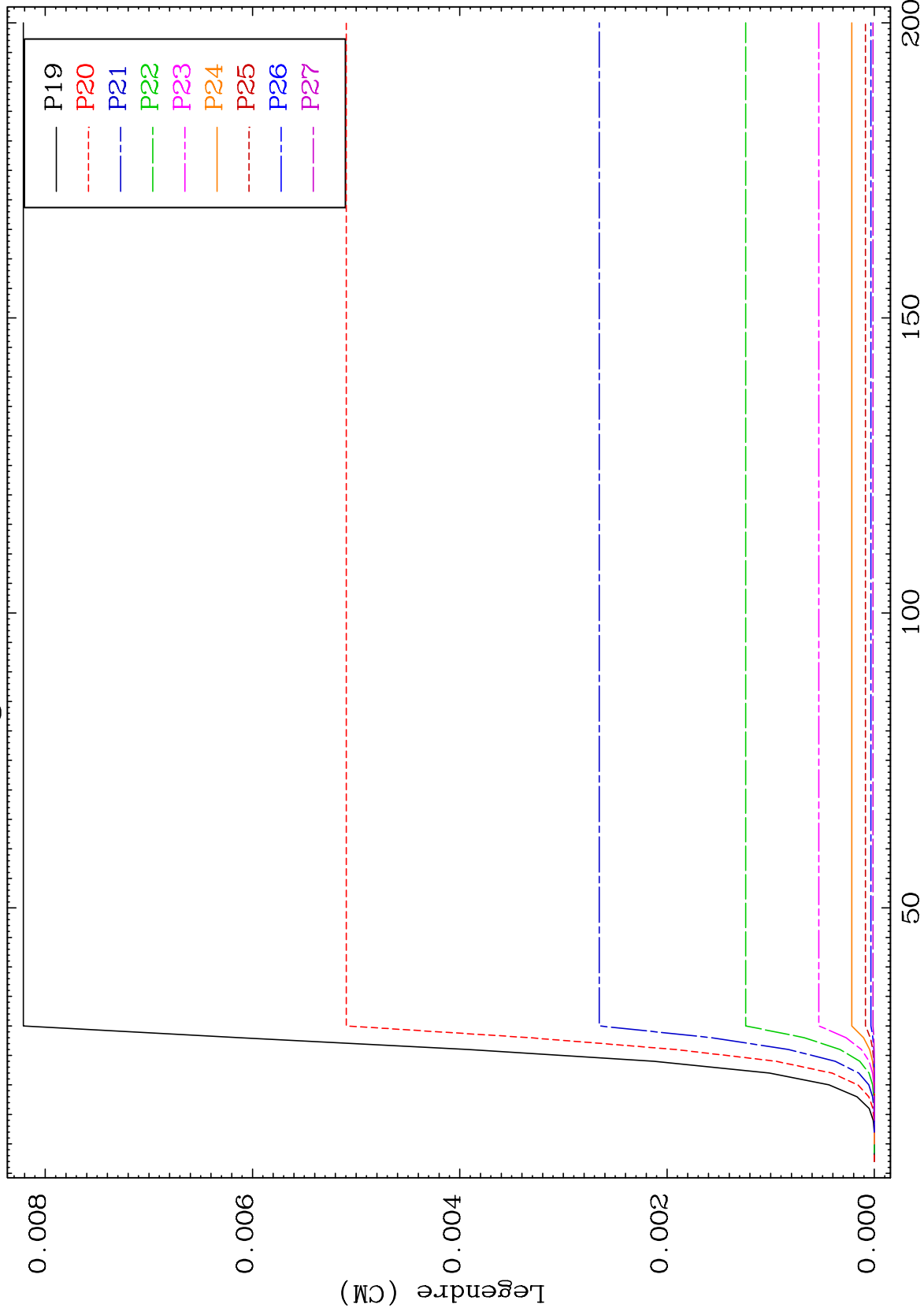
Incident Energy (MeV)

108

MAT 5692

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

57-La-127



109

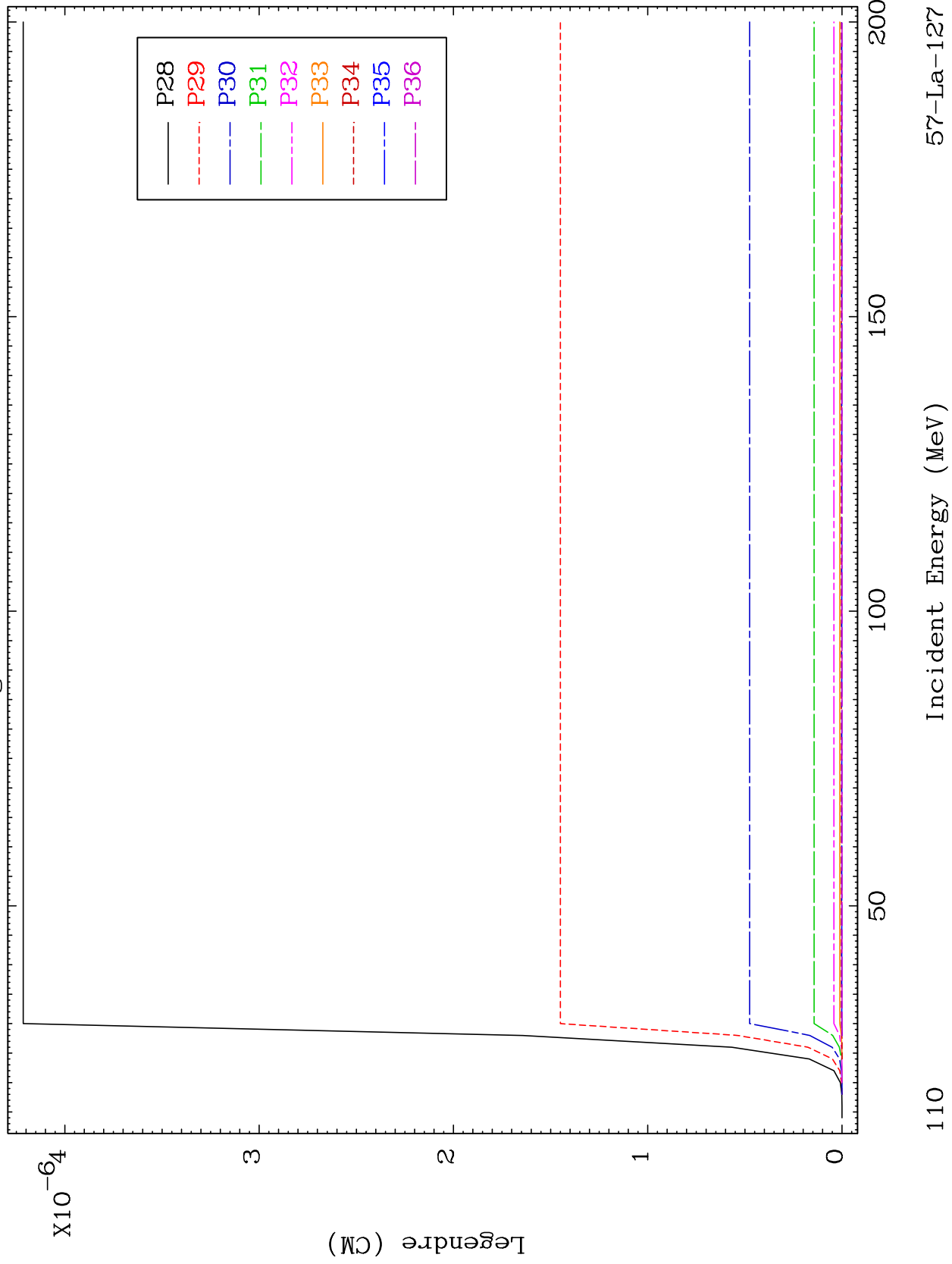
Incident Energy (MeV)

57-La-127

MAT 5692

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

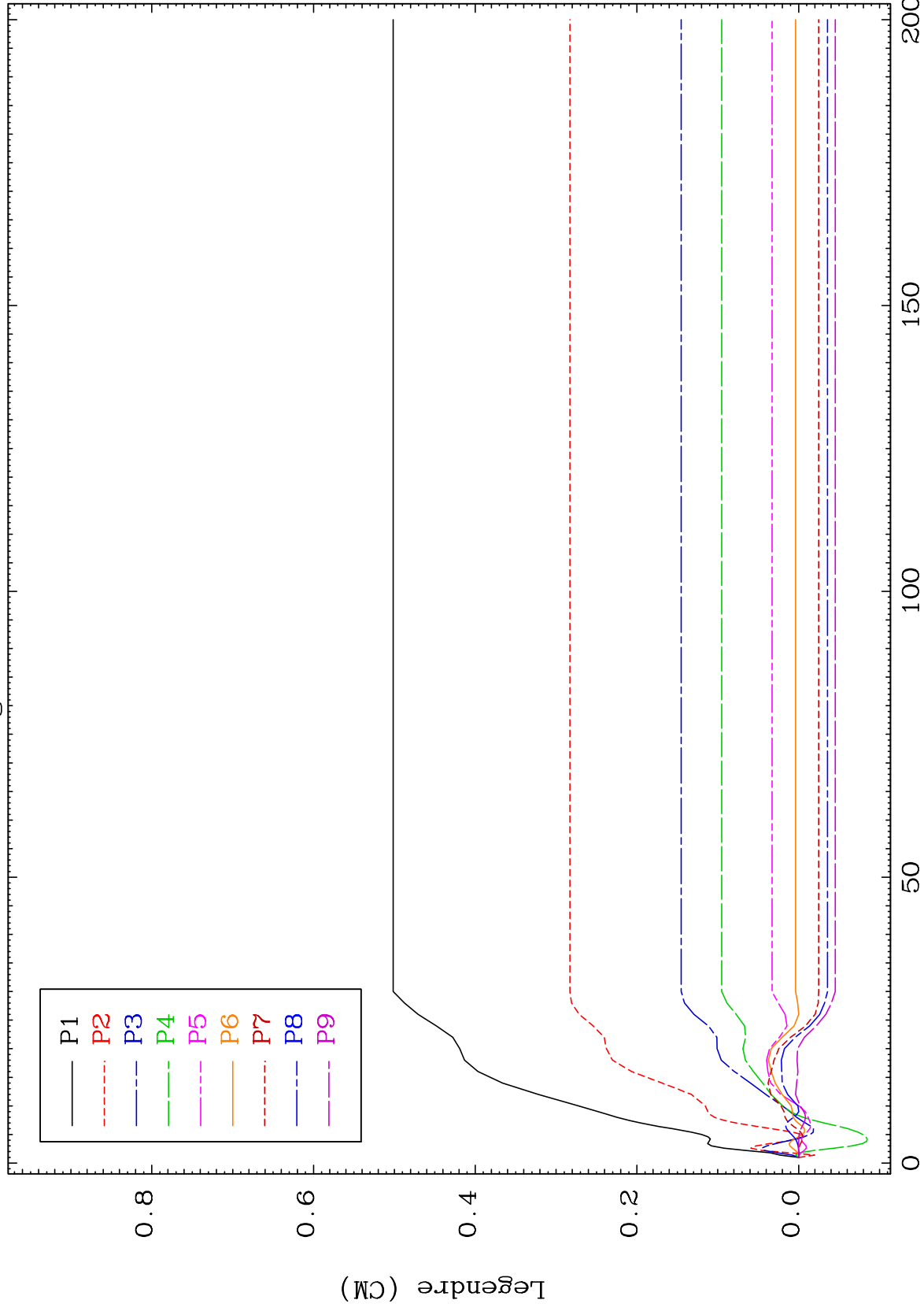
57-La-127



MAT 5692

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

57-La-127



111

Incident Energy (MeV)

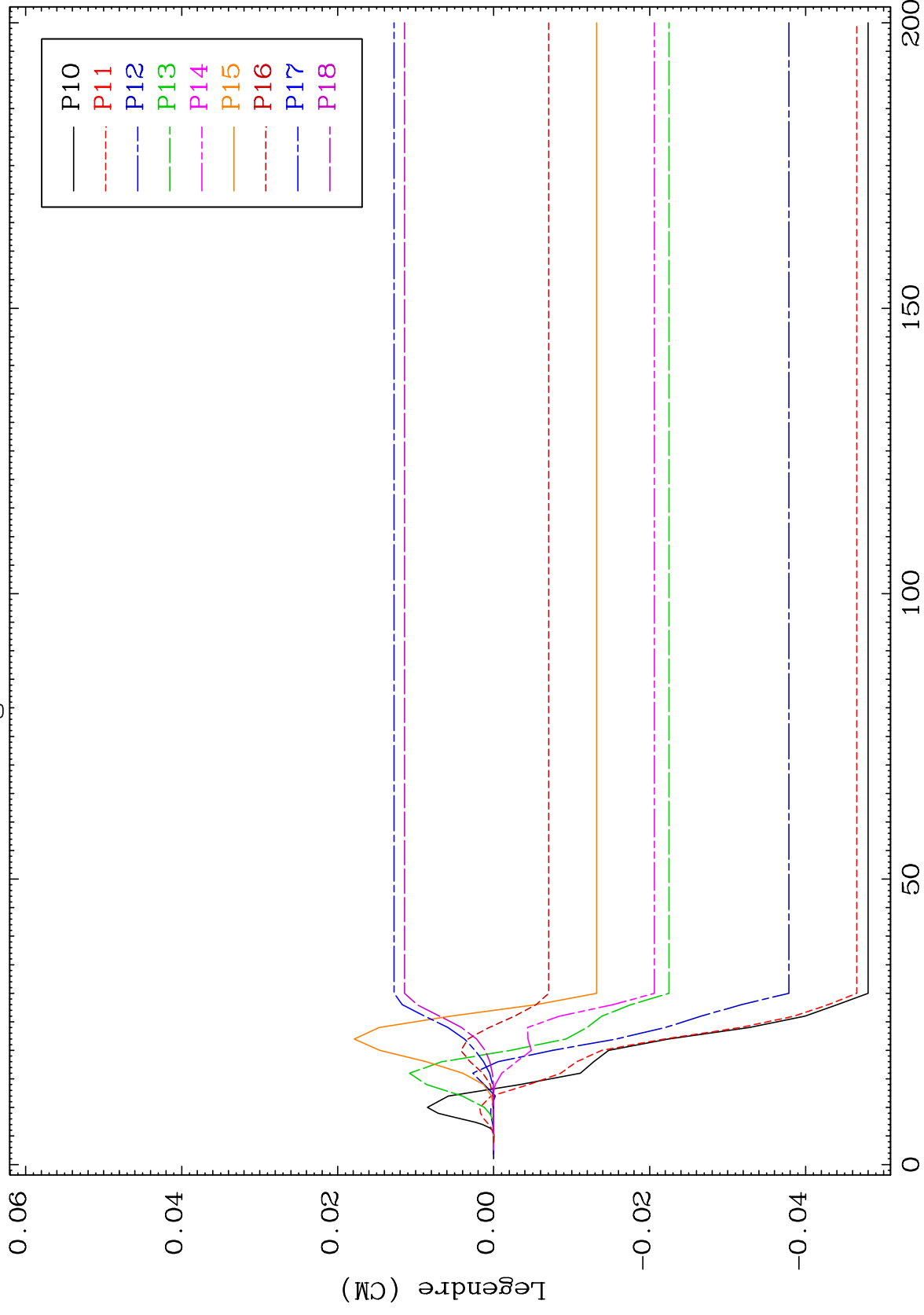
57-La-127



MAT 5692

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

57-La-127



112

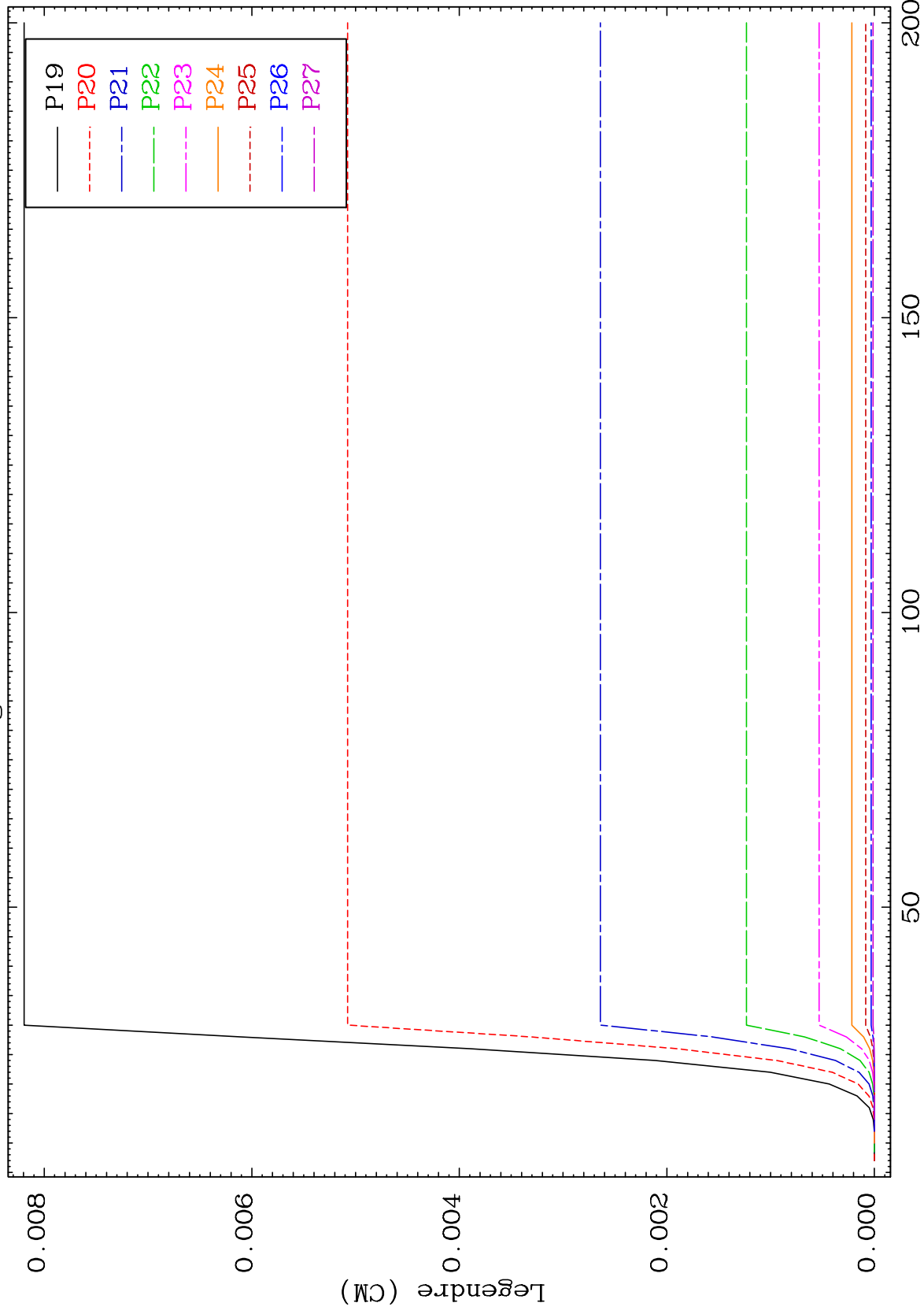
Incident Energy (MeV)

57-La-127

MAT 5692

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

57-La-127



113

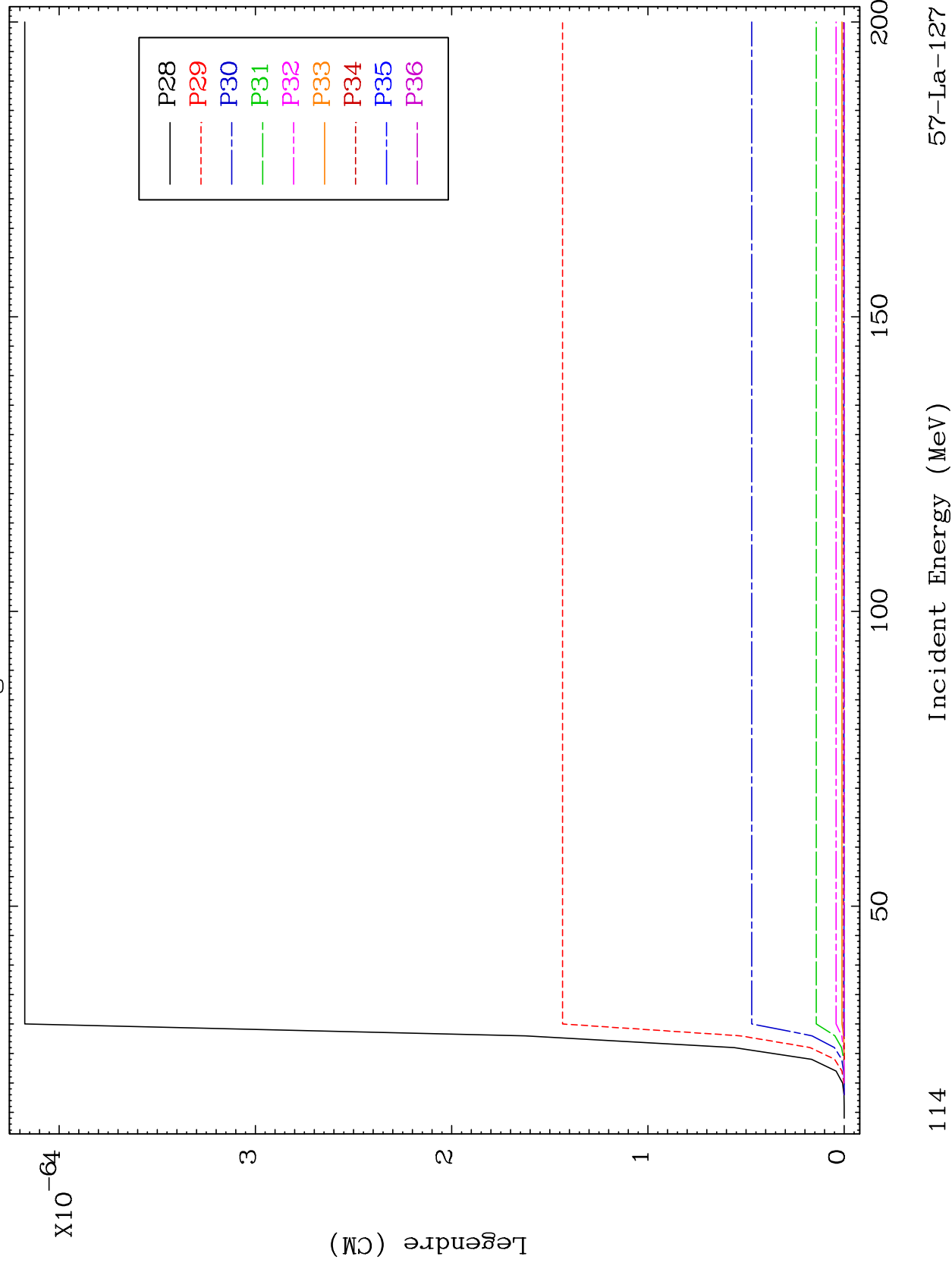
Incident Energy (MeV)

57-La-127

MAT 5692

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

57-La-127



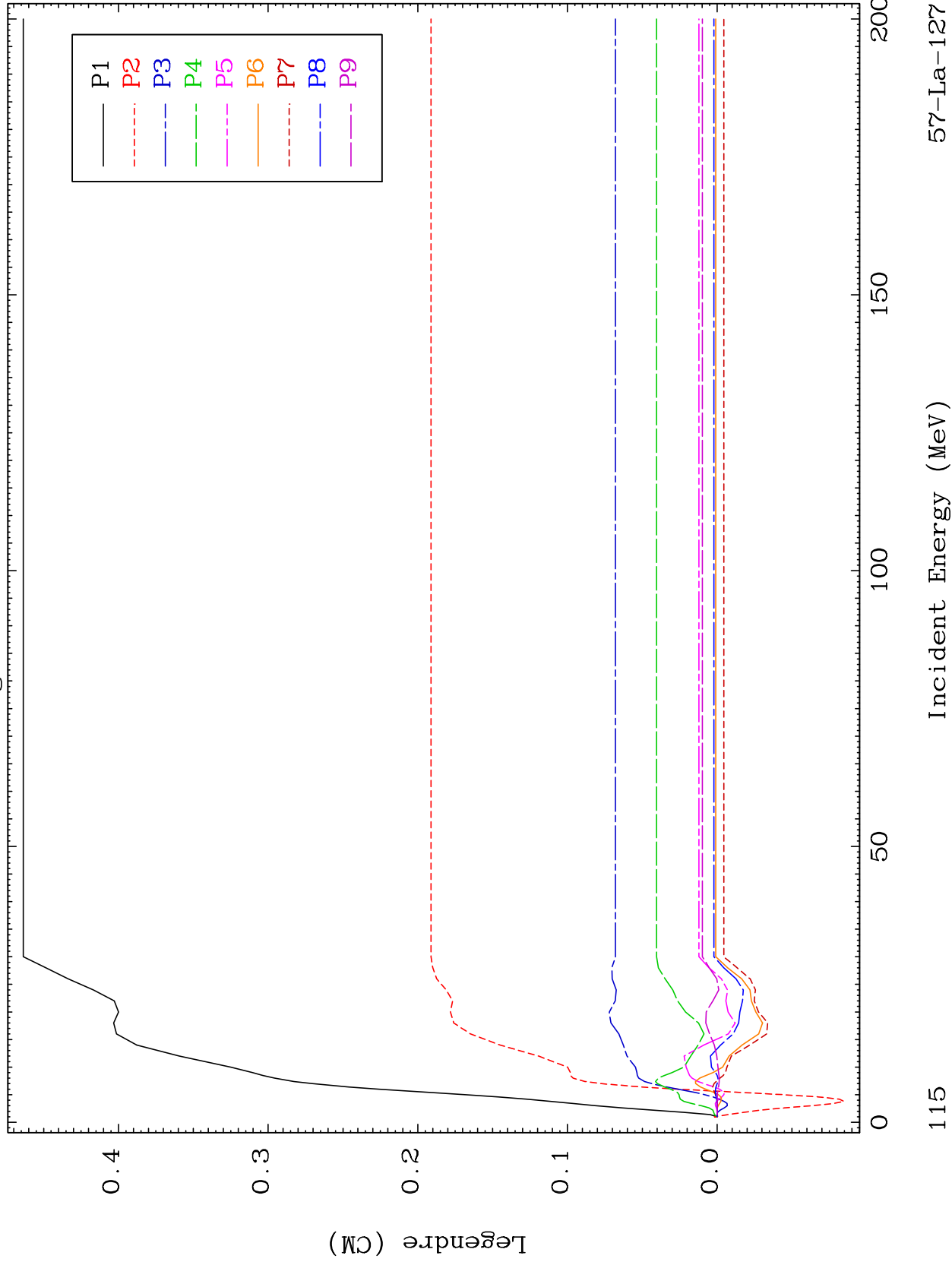
114

57-La-127

MAT 5692

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

57-La-127



57-La-127

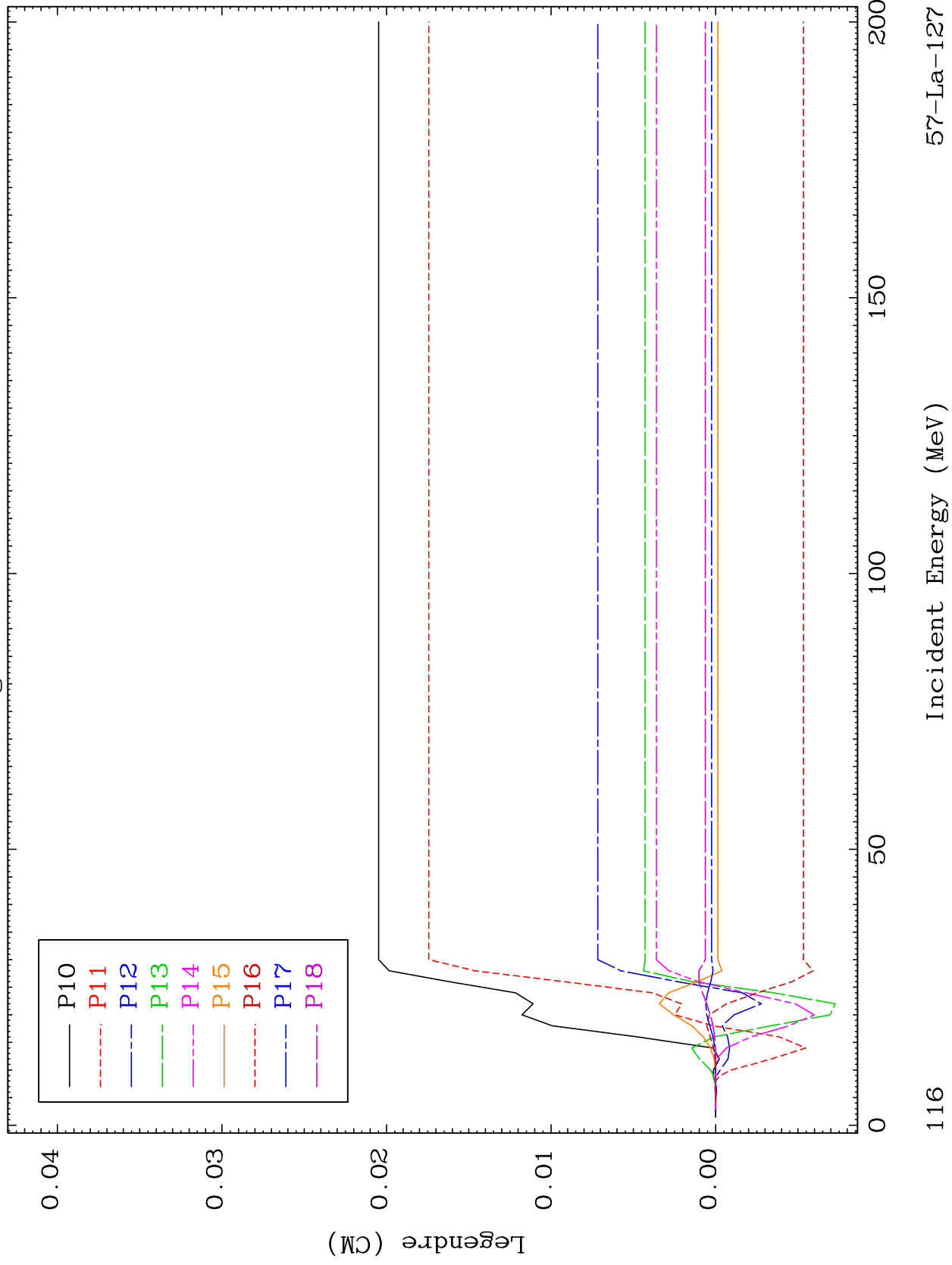
Incident Energy (MeV)

115

MAT 5692

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

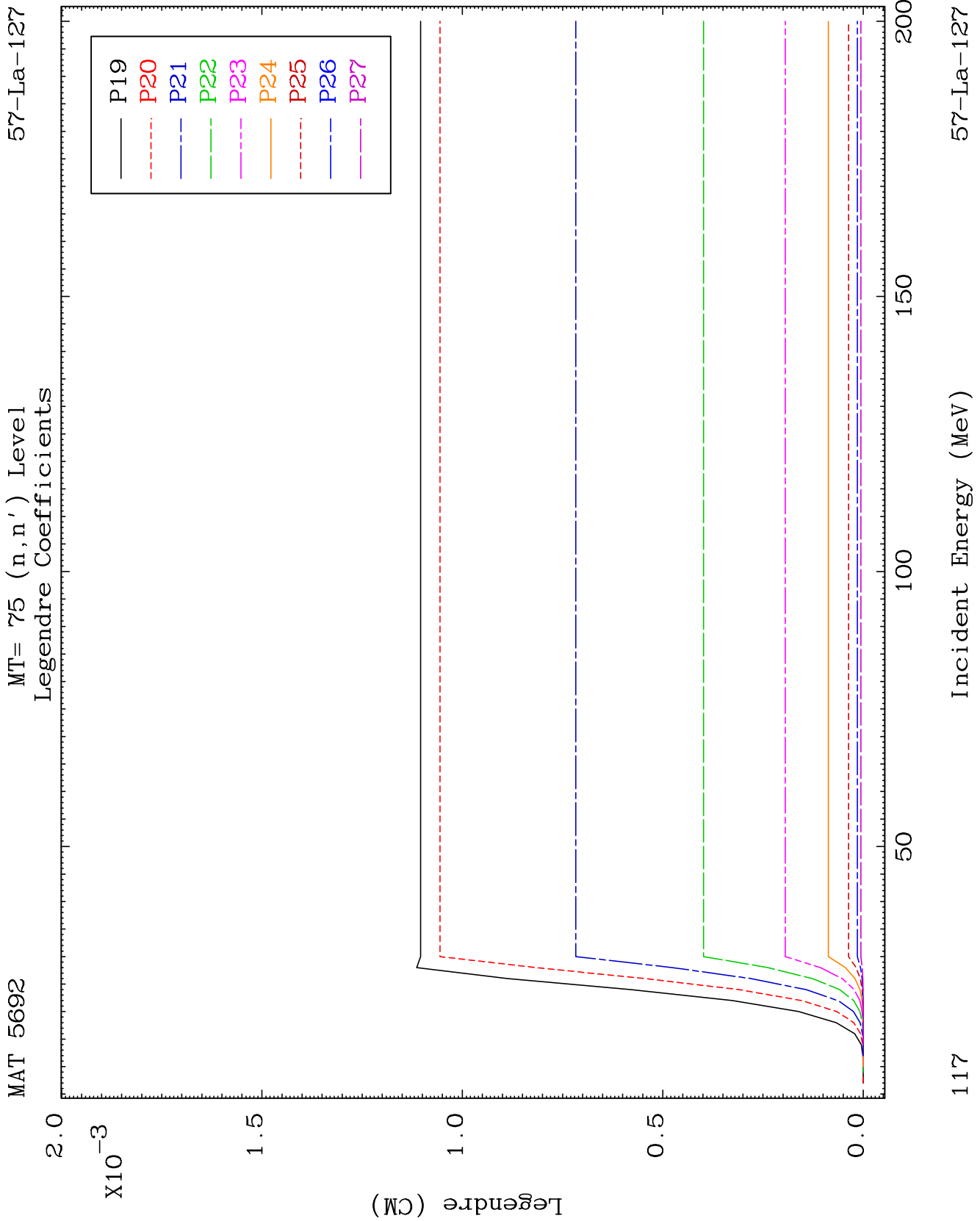
57-La-127



57-La-127

Incident Energy (MeV)

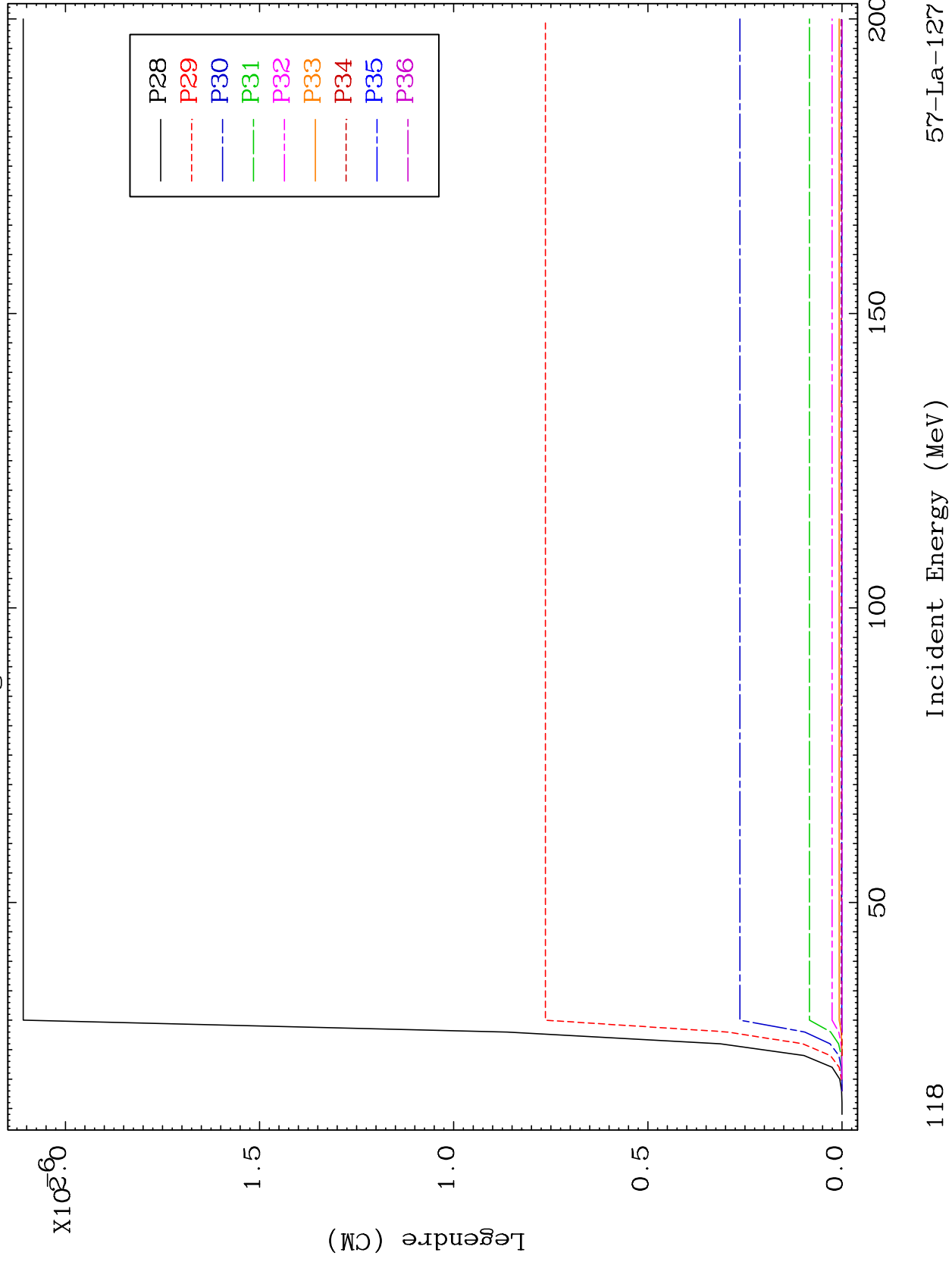
116



MAT 5692

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

57-La-127



57-La-127

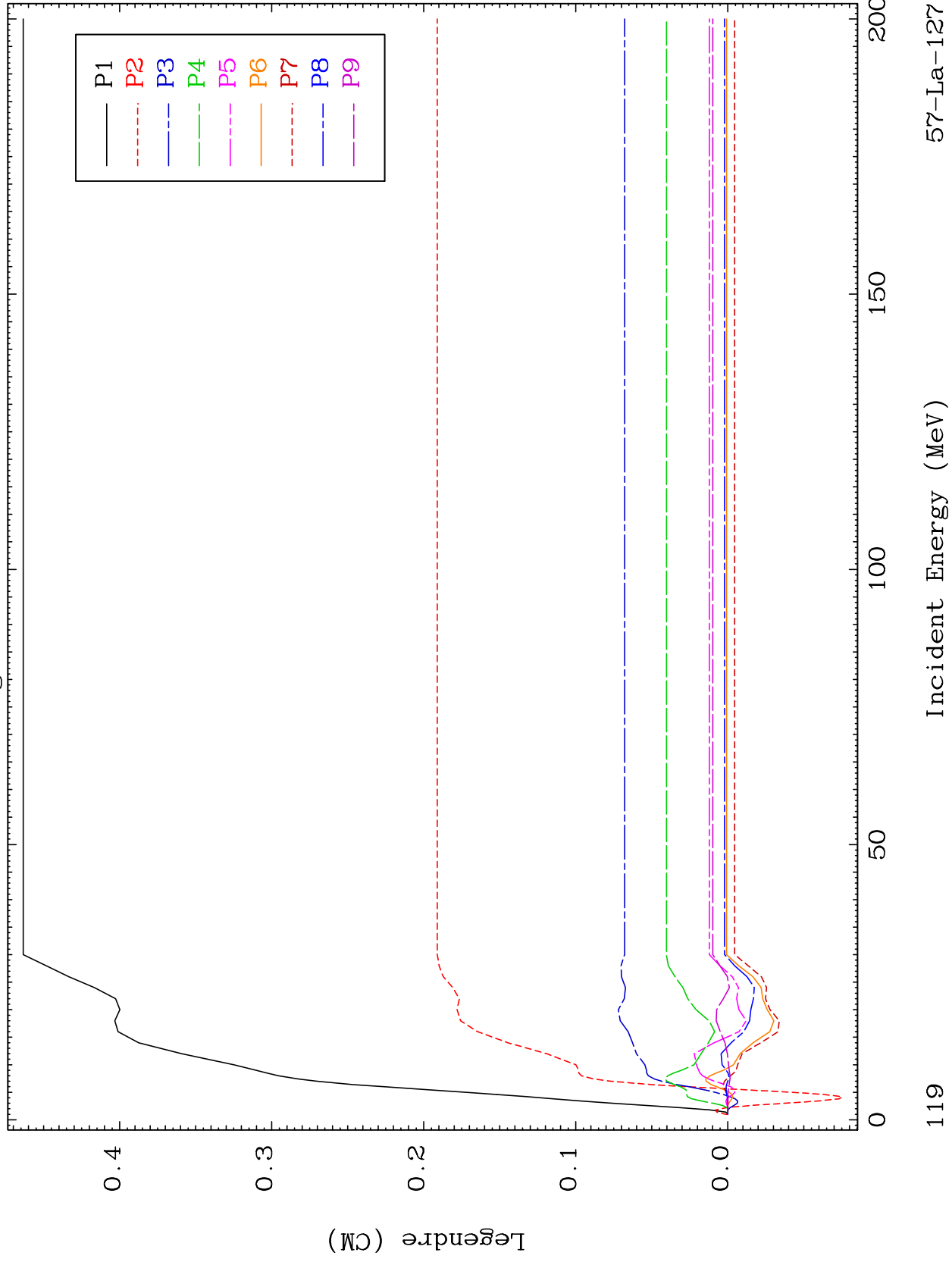
Incident Energy (MeV)

118

MAT 5692

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

57-La-127



57-La-127

Incident Energy (MeV)

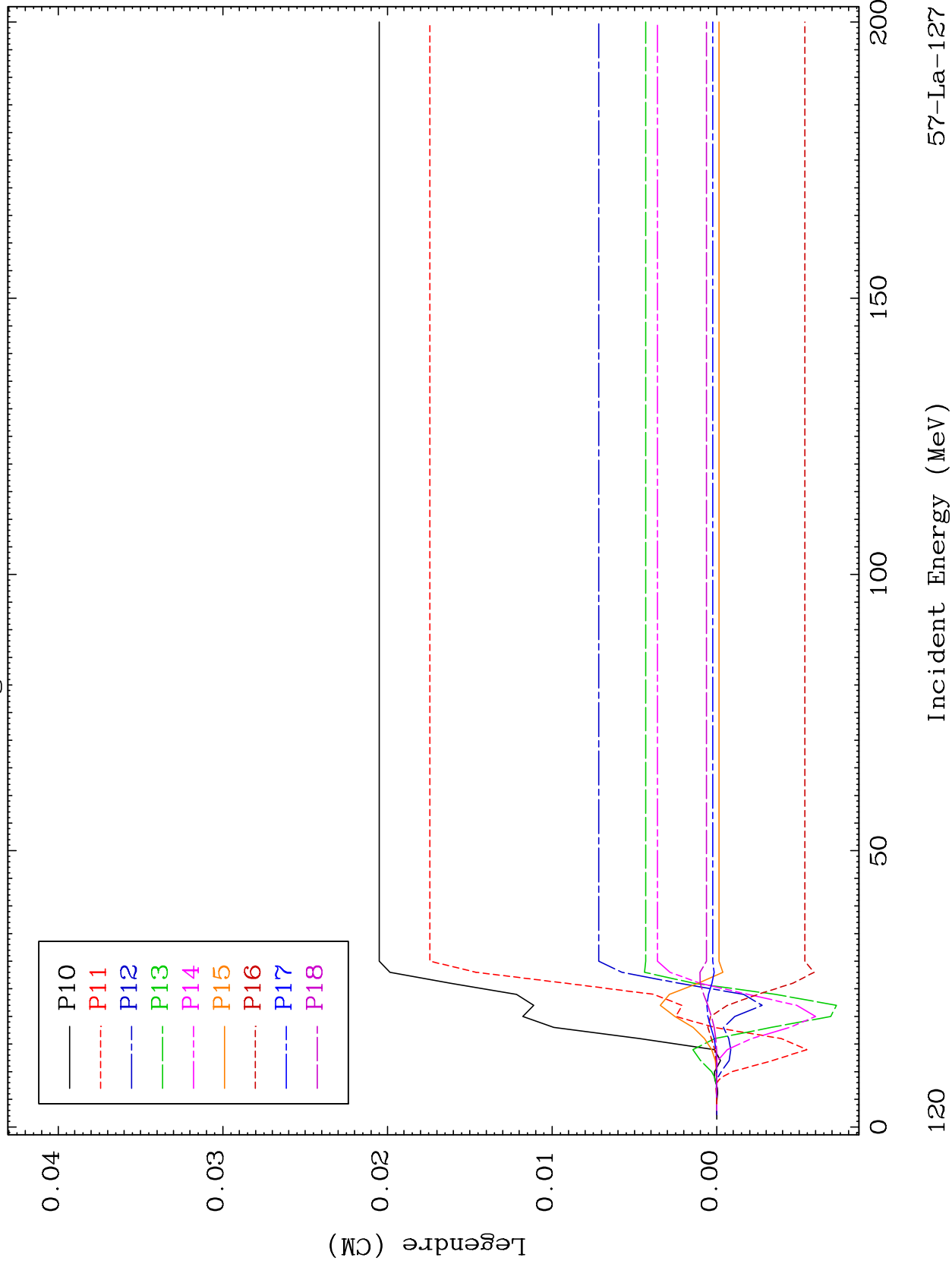
119



MAT 5692

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

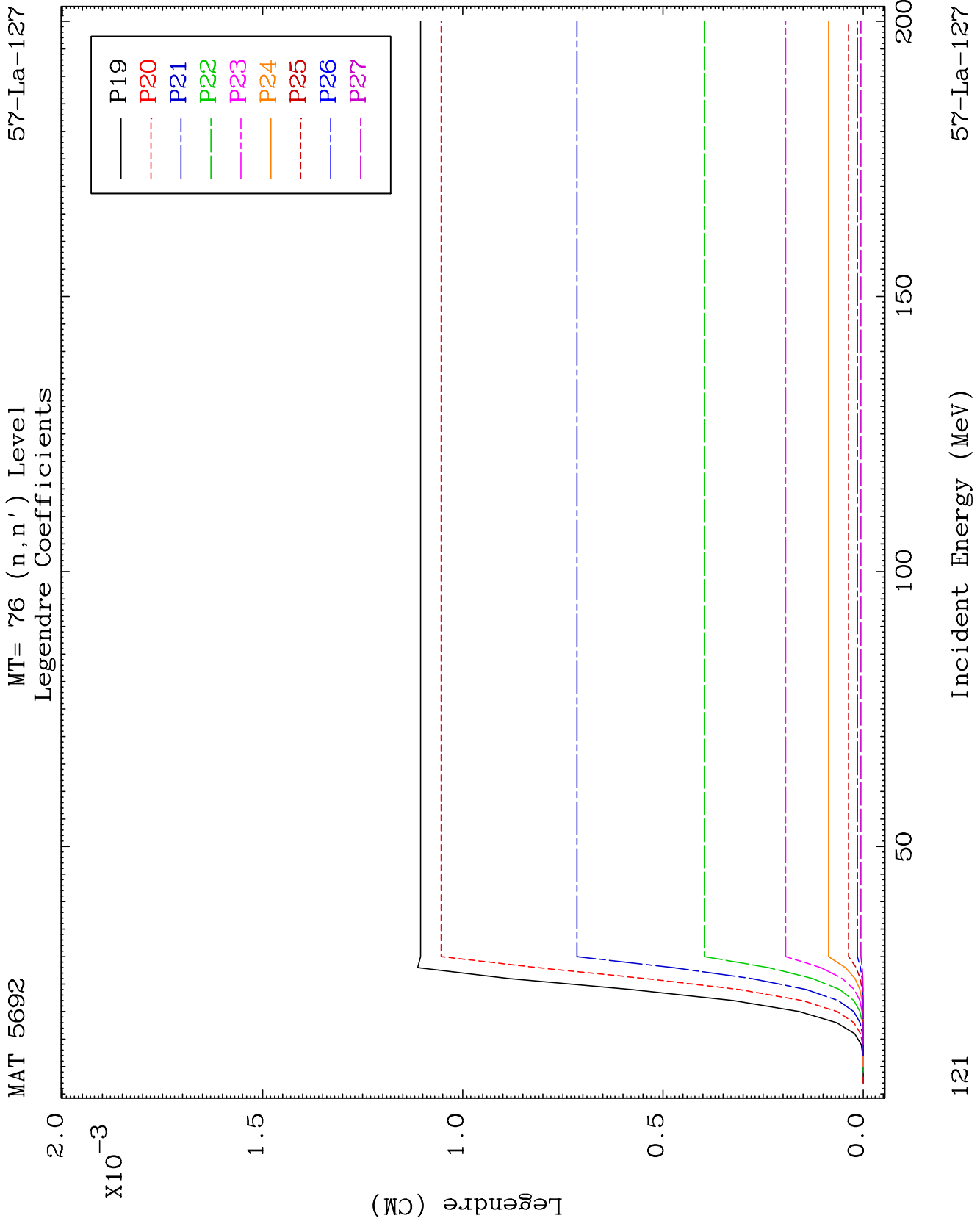
57-La-127



57-La-127

Incident Energy (MeV)

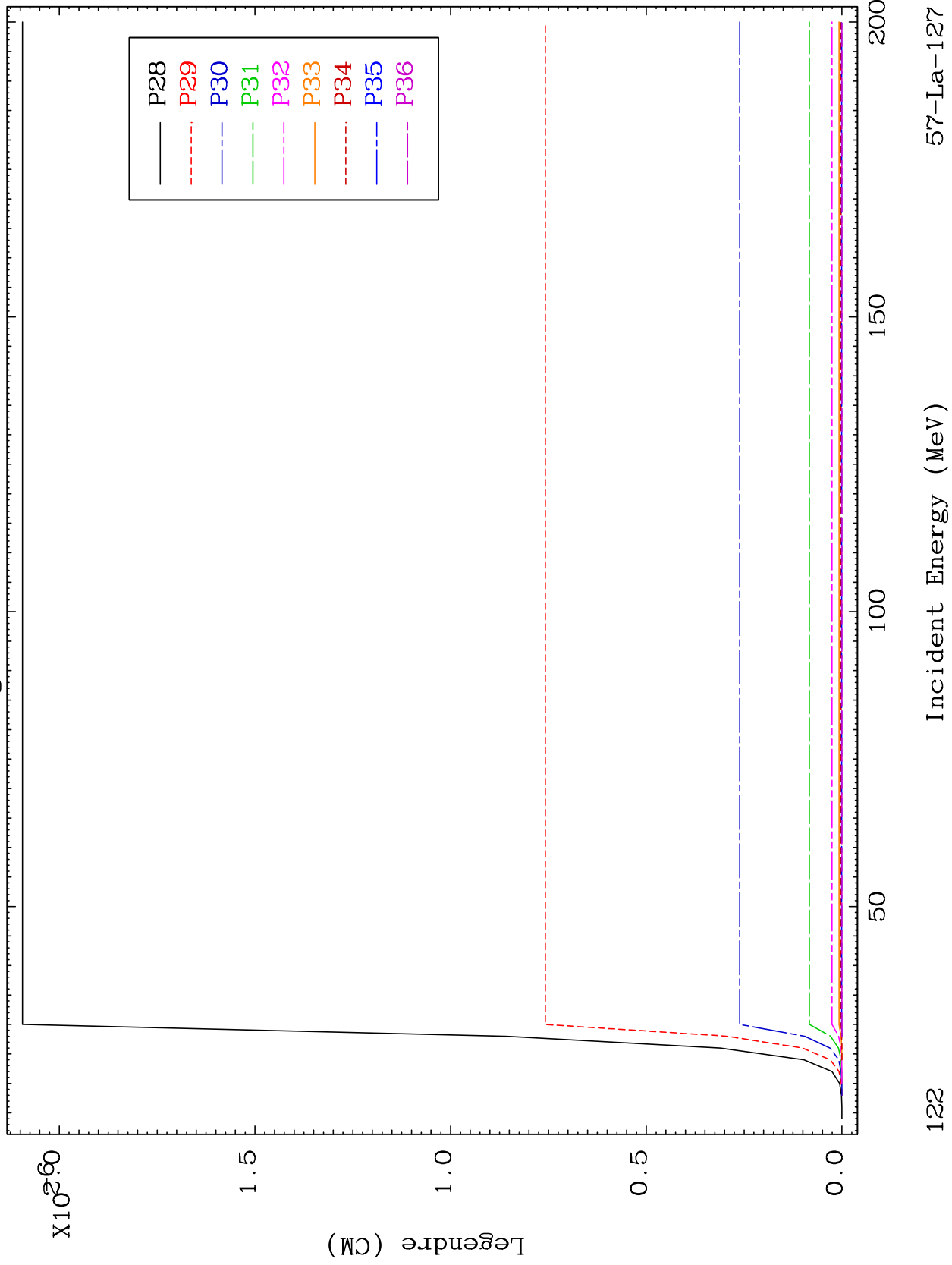
120



MAT 5692

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

57-La-127



122

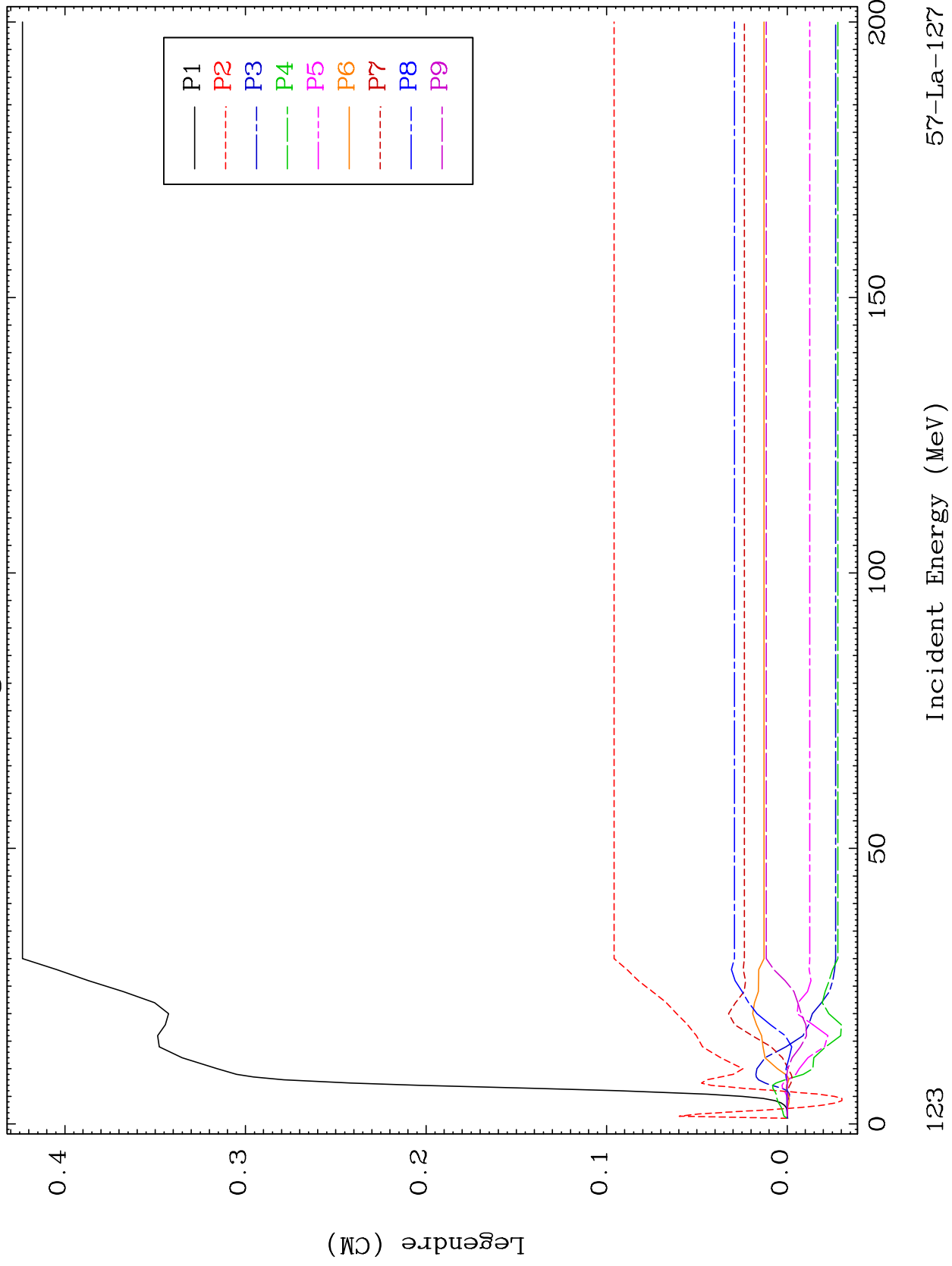
Incident Energy (MeV)

57-La-127

MAT 5692

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

57-La-127



57-La-127

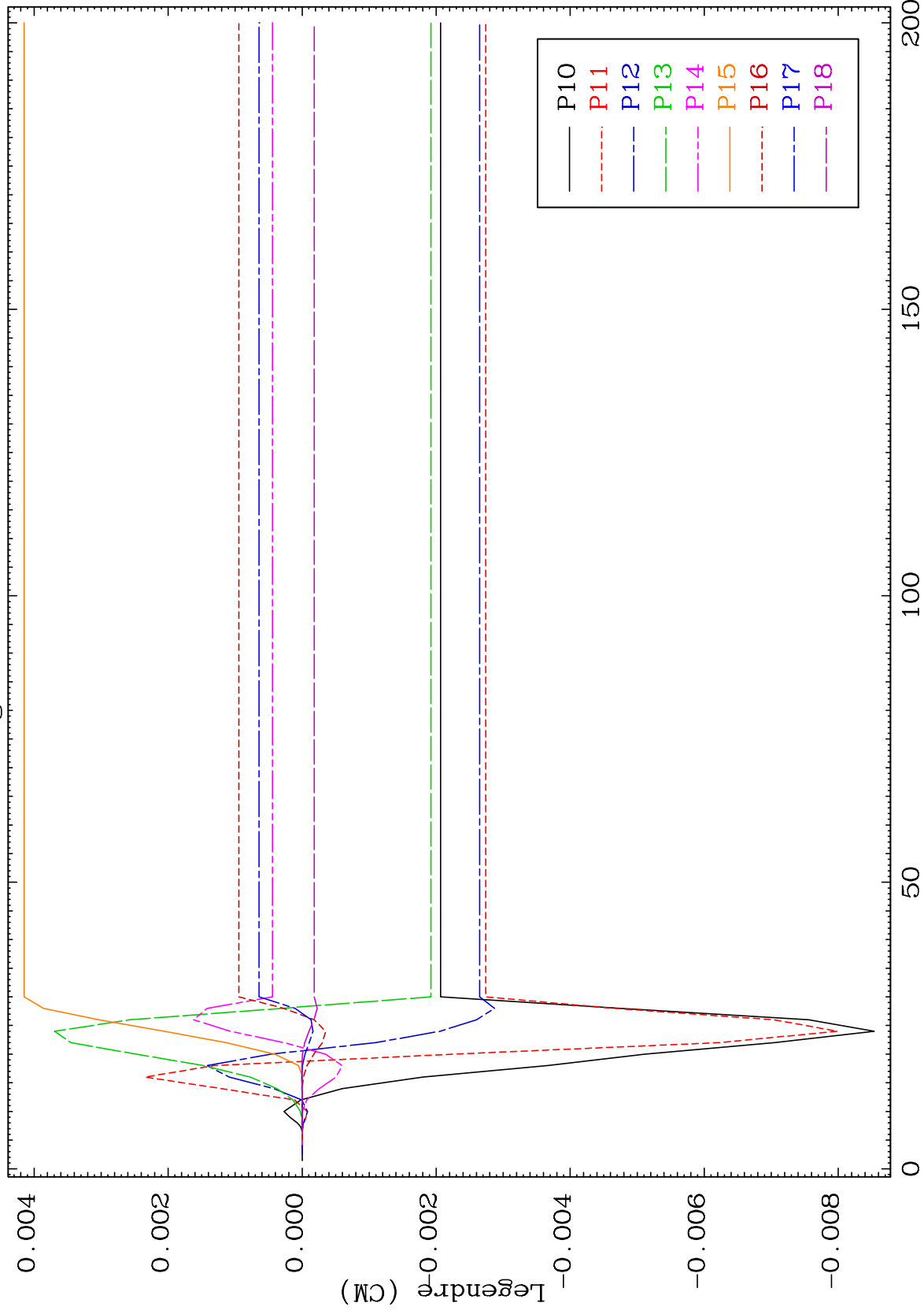
Incident Energy (MeV)

123

MAT 5692

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

57-La-127



124

Incident Energy (MeV)

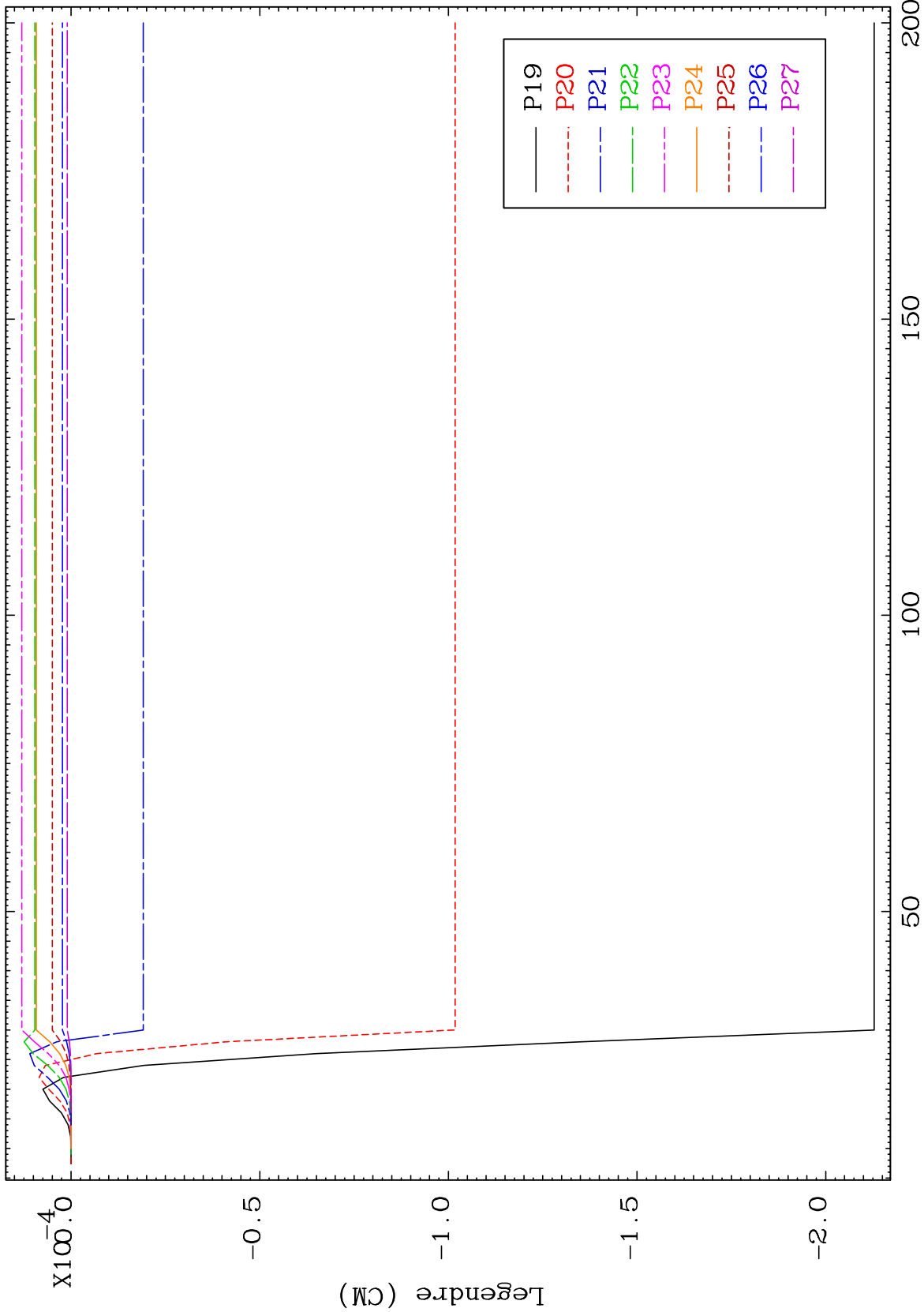
57-La-127

MAT 5692

MT= 77 (n,n') Level

57-La-127

Legendre Coefficients



125

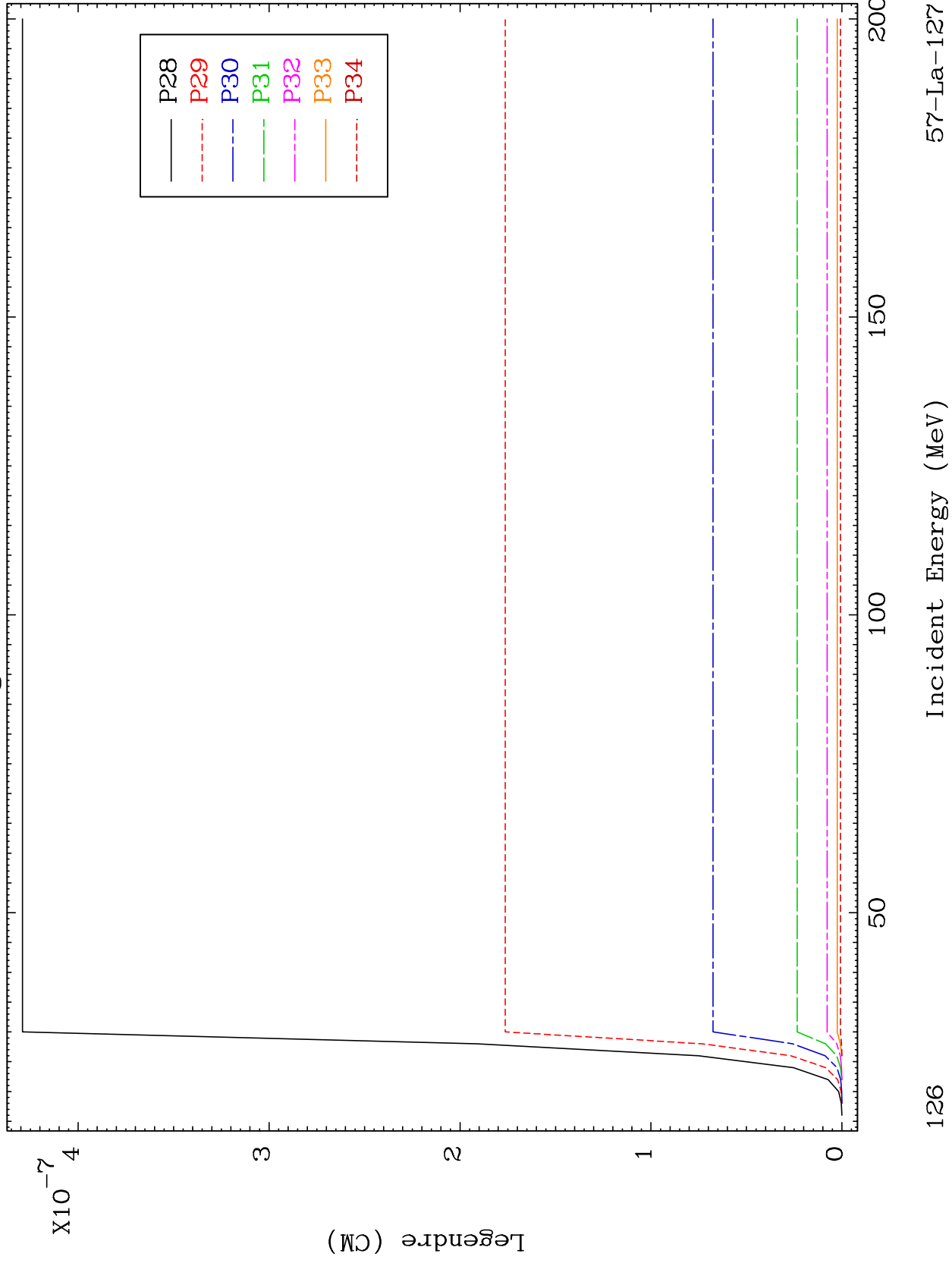
Incident Energy (MeV)

57-La-127

MAT 5692

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

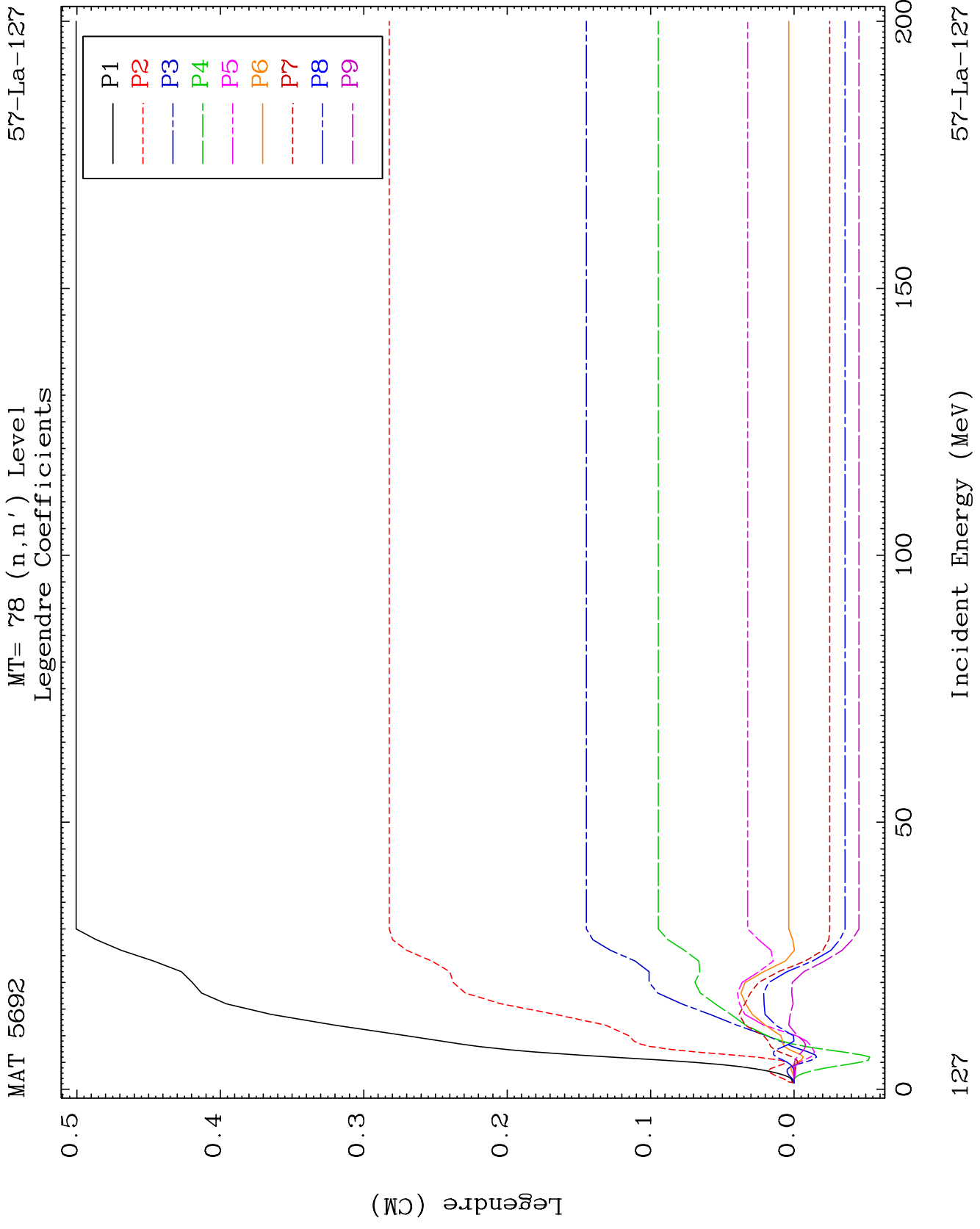
57-La-127



126

Incident Energy (MeV)

57-La-127

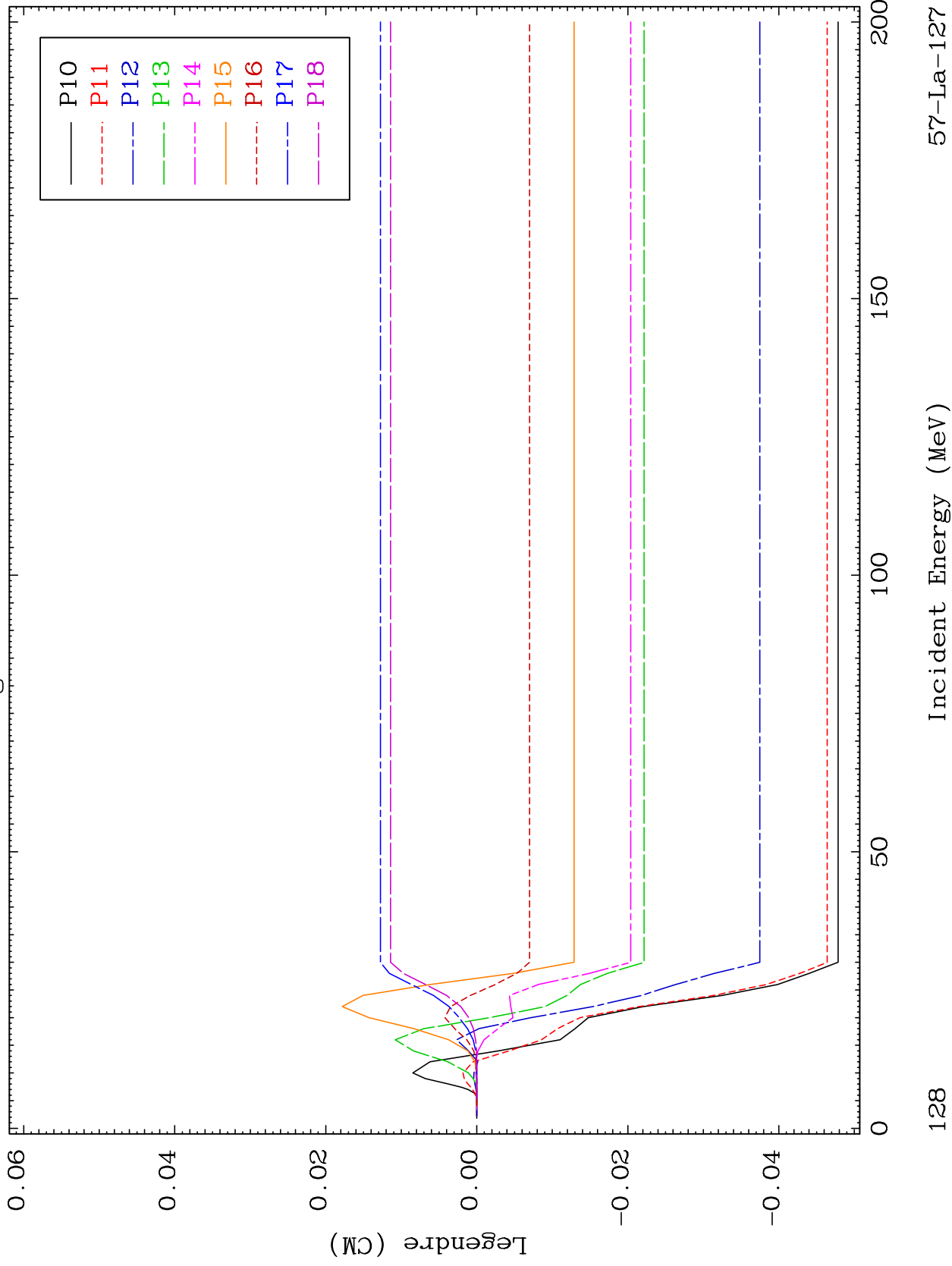




MAT 5692

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

57-La-127



128

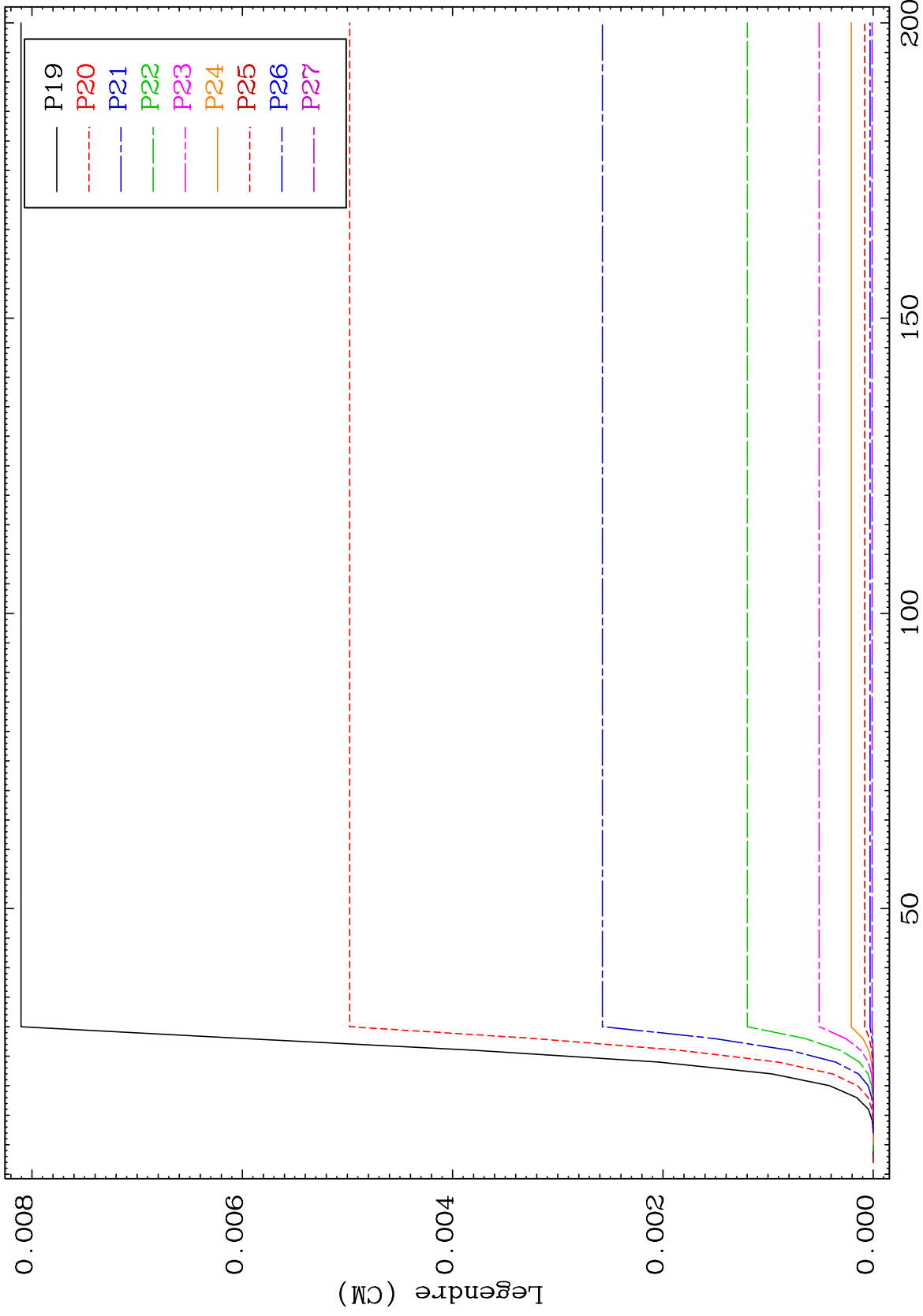
Incident Energy (MeV)

57-La-127

MAT 5692

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

57-La-127



129

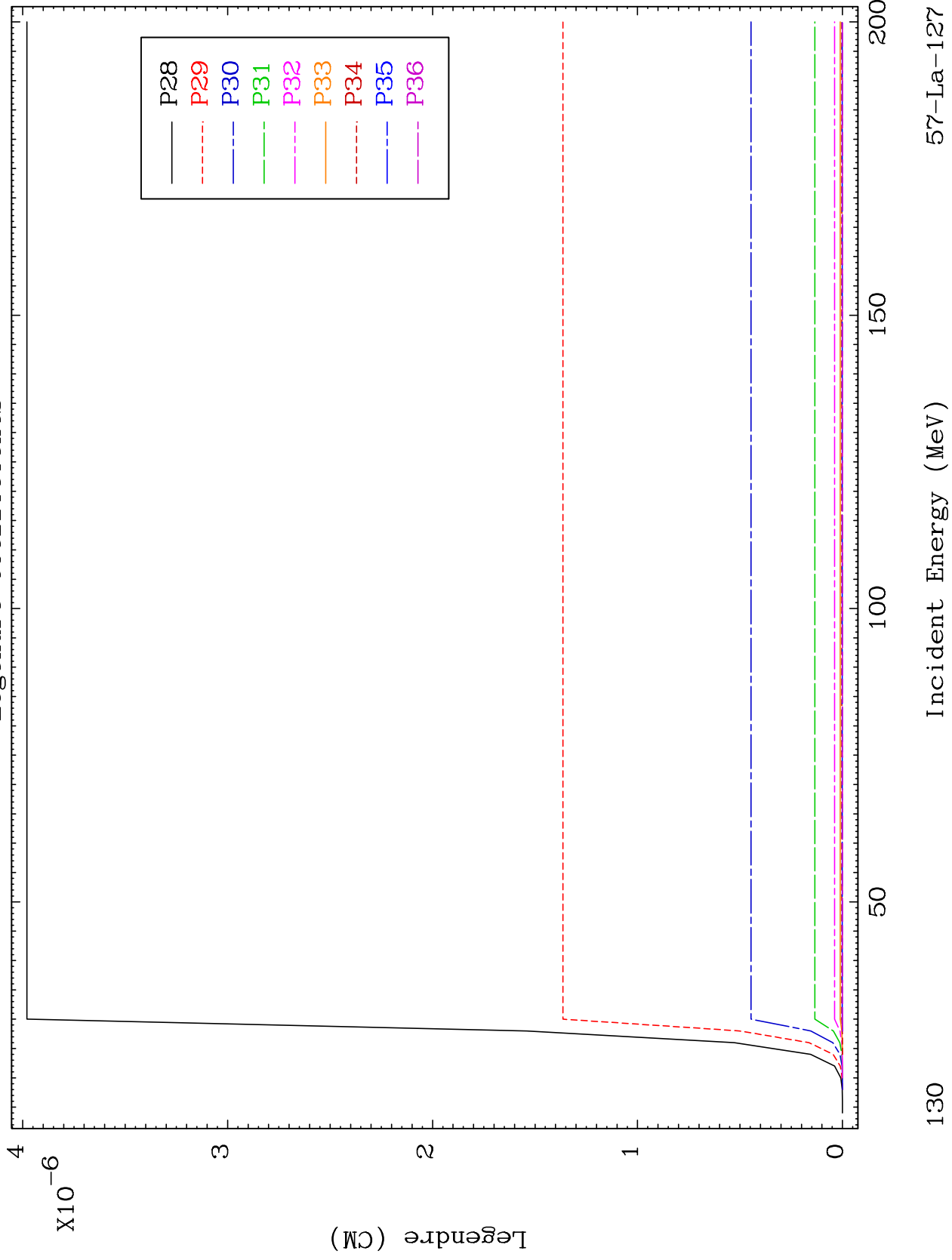
Incident Energy (MeV)

57-La-127

MAT 5692

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

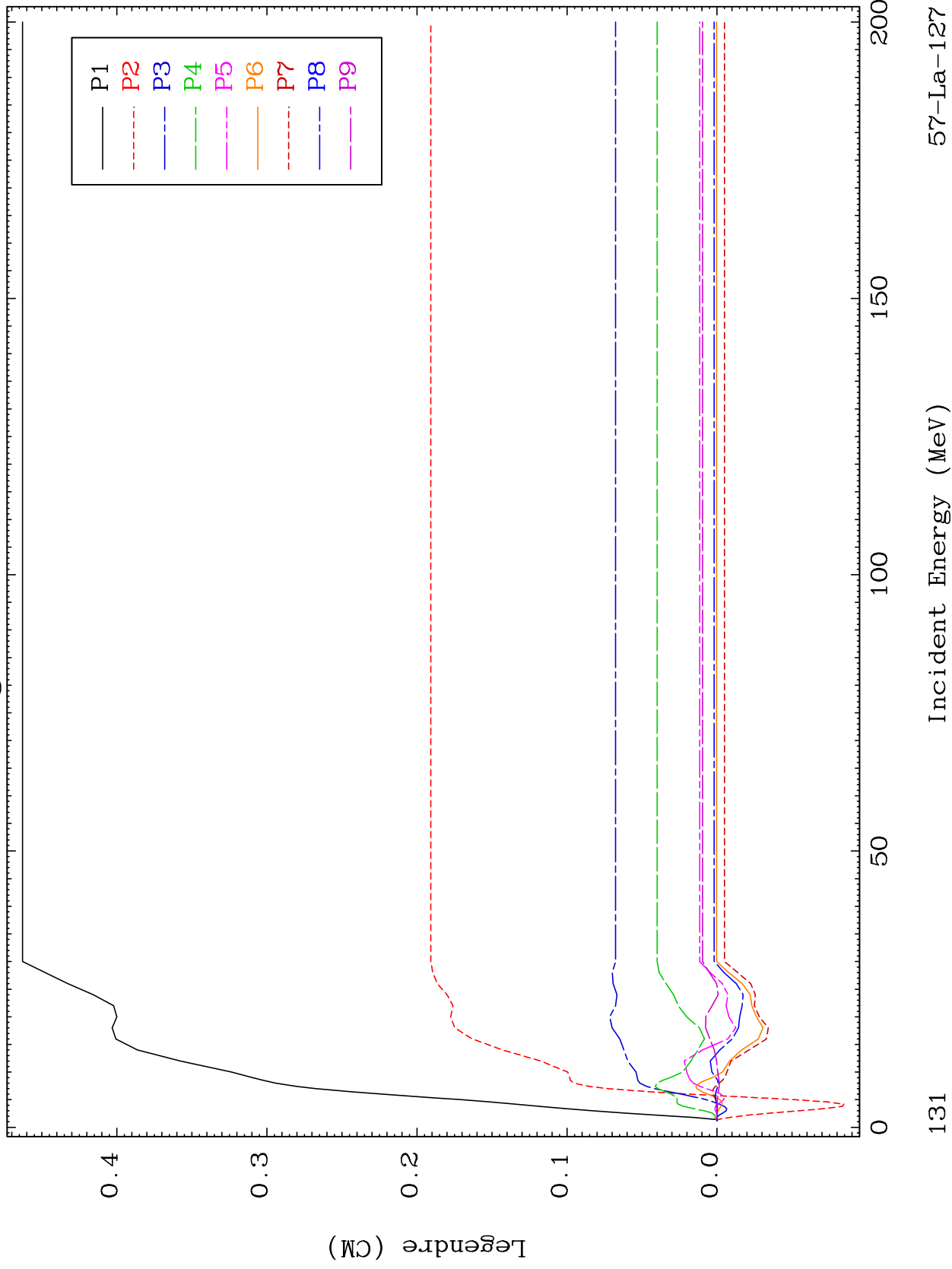
57-La-127



MAT 5692

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

57-La-127



57-La-127

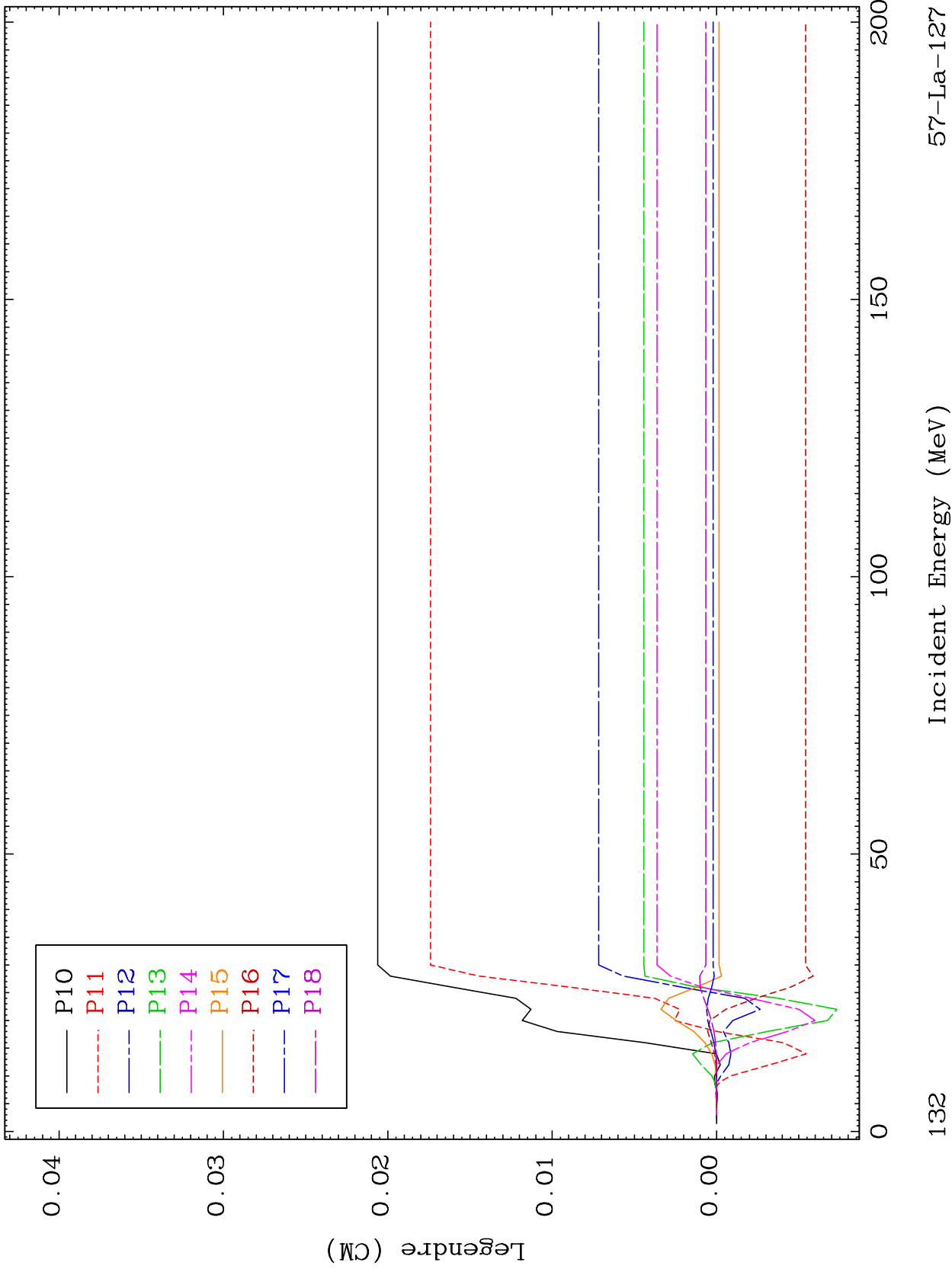
Incident Energy (MeV)

131

MAT 5692

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

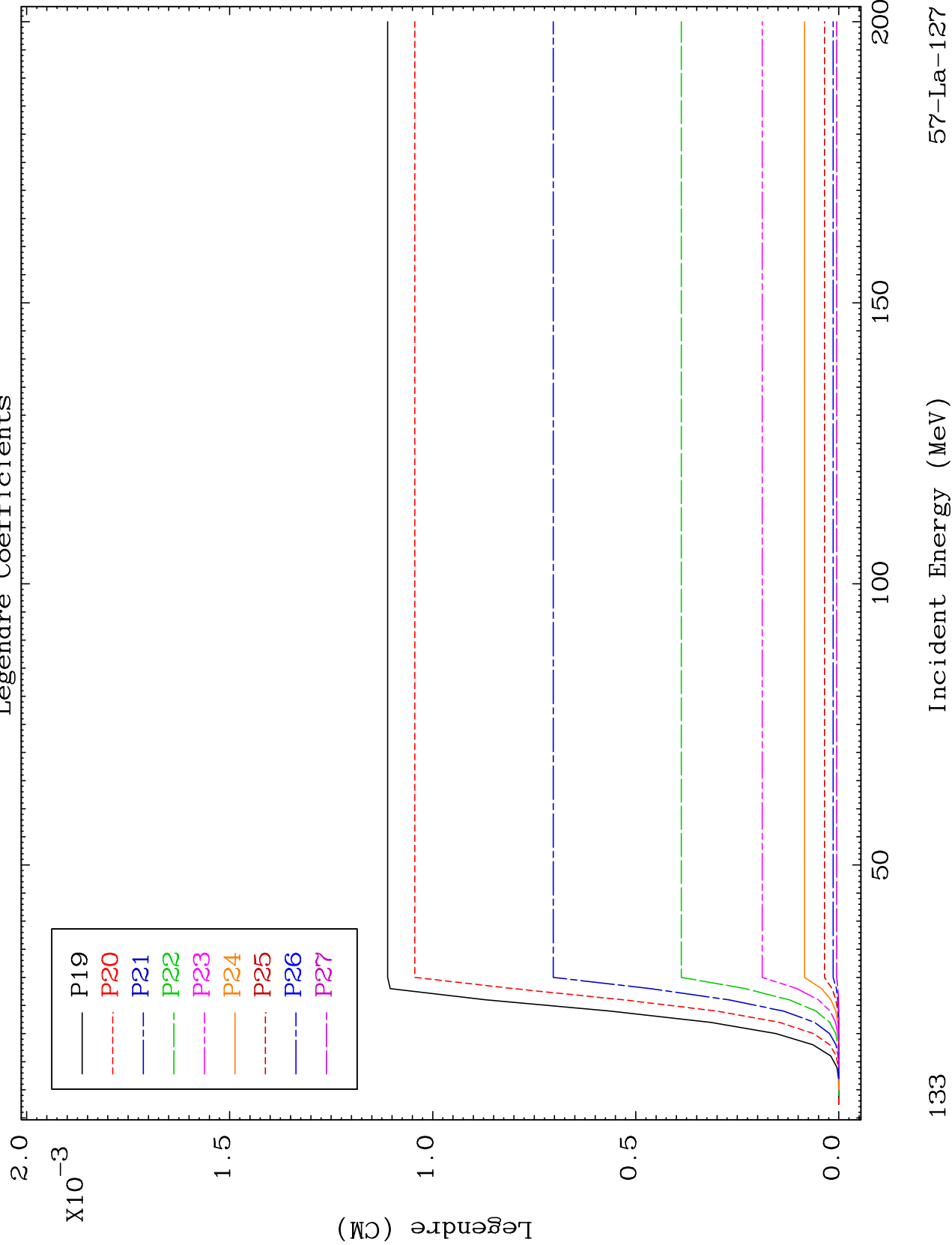
57-La-127



57-La-127

Incident Energy (MeV)

132

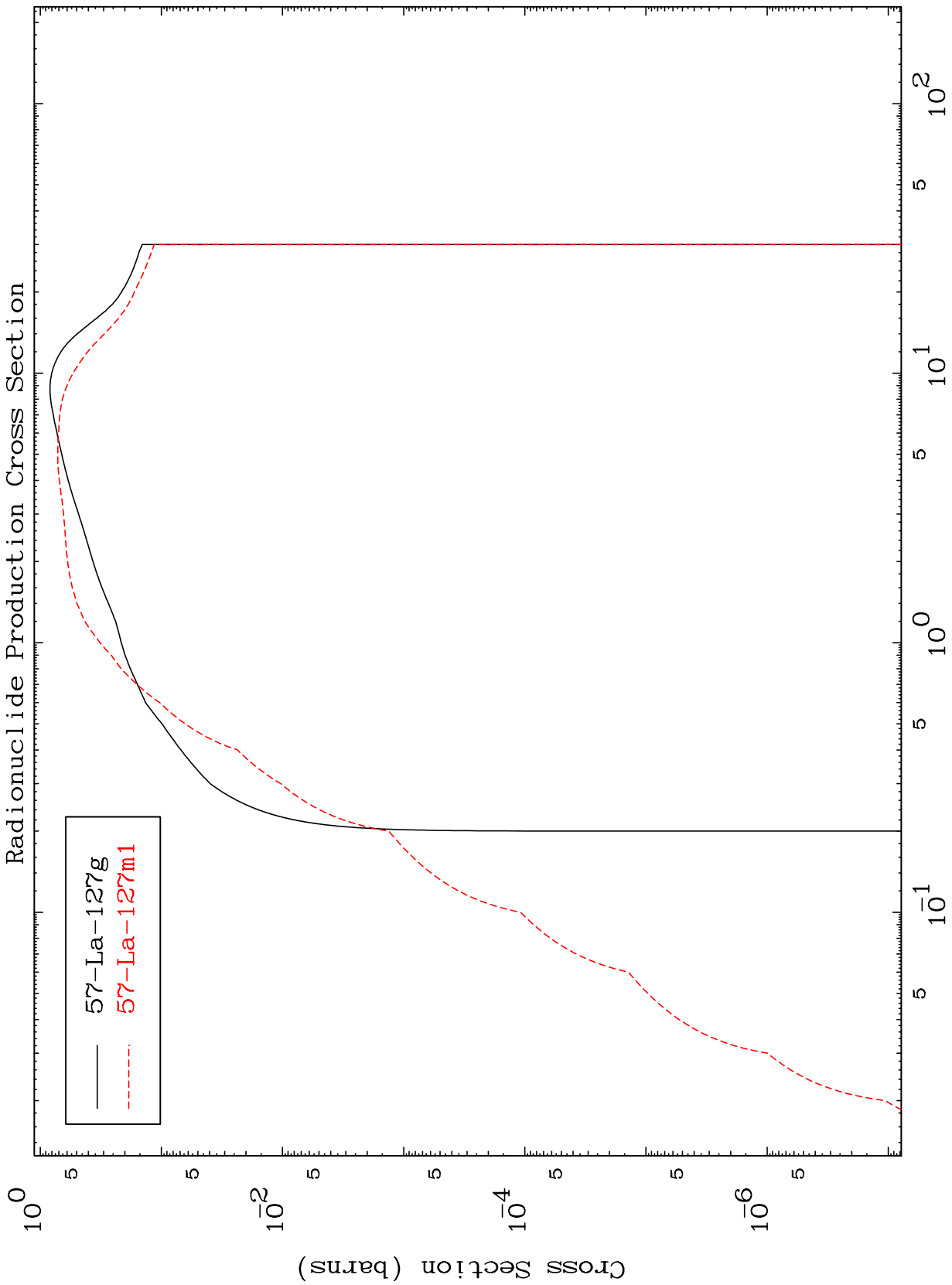




MAT 5692

57-La-127

Inelastic  
Radionuclide Production Cross Section



— 57-La-127g  
- - - 57-La-127m1

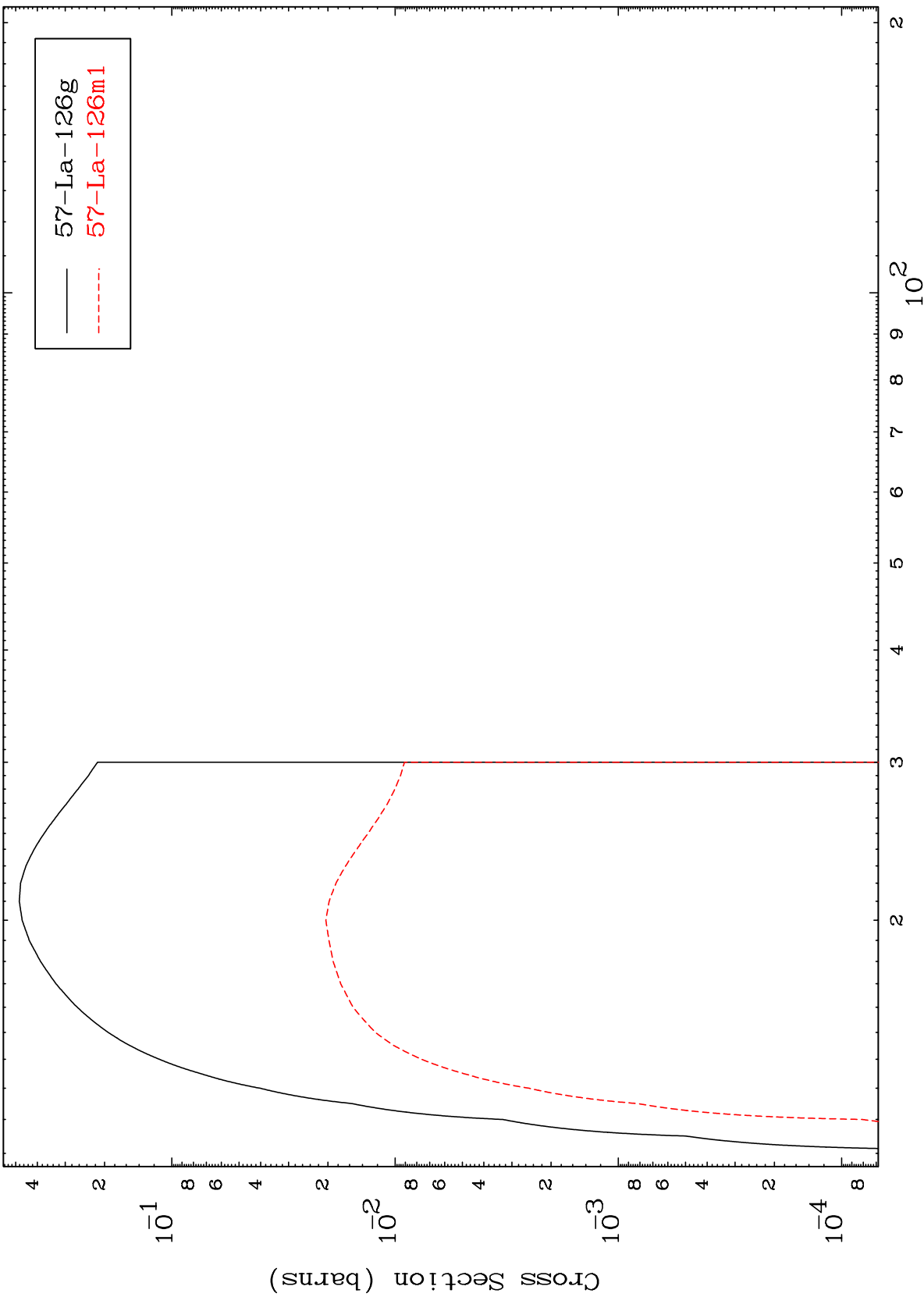
135

Incident Energy (MeV)

57-La-127



(n,2n)  
Radionuclide Production Cross Section

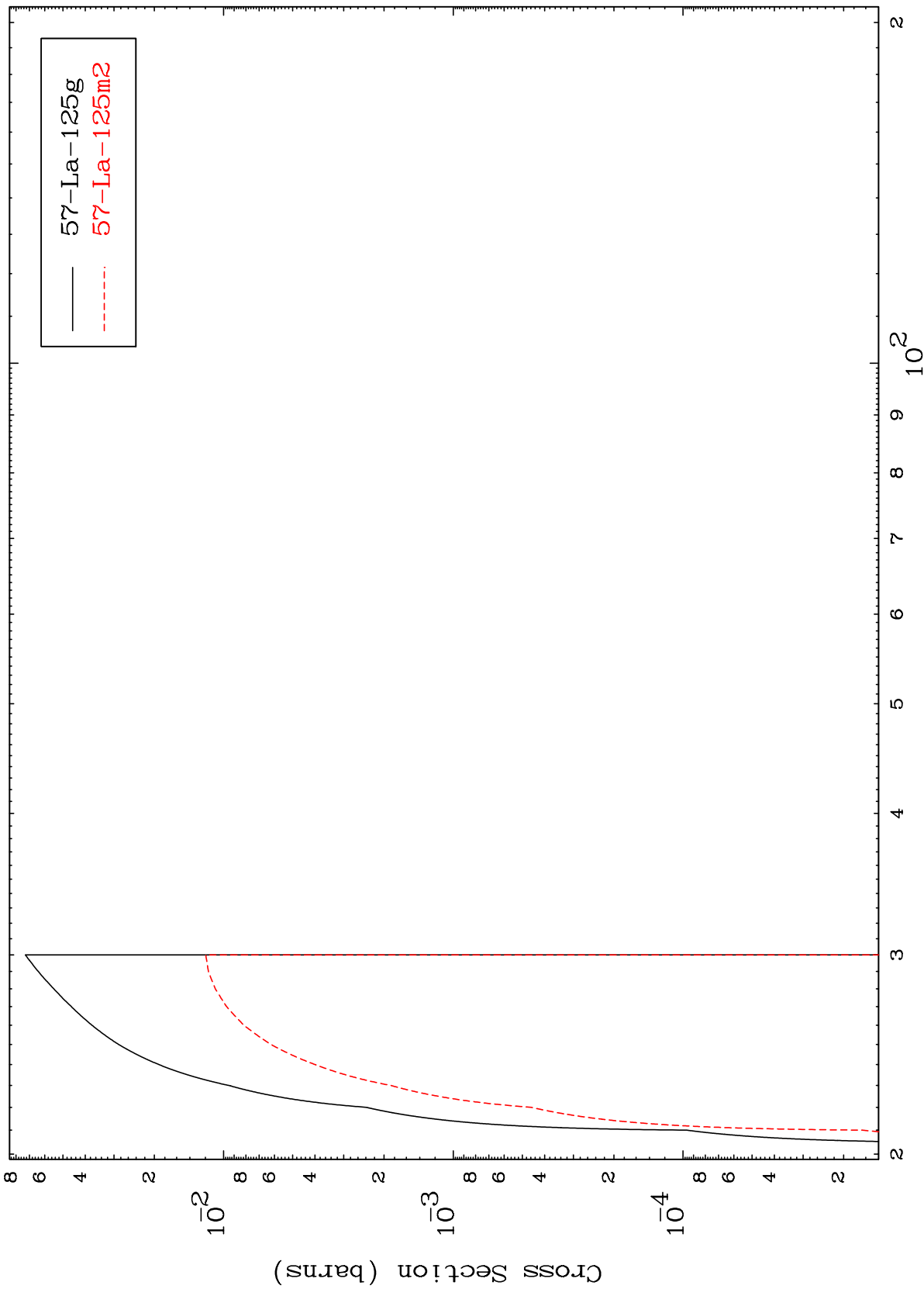


57-La-126g  
57-La-126m1

MAT 5692

57-La-127

(n,3n)  
Radionuclide Production Cross Section



57-La-125g  
57-La-125m2

137

Incident Energy (MeV)

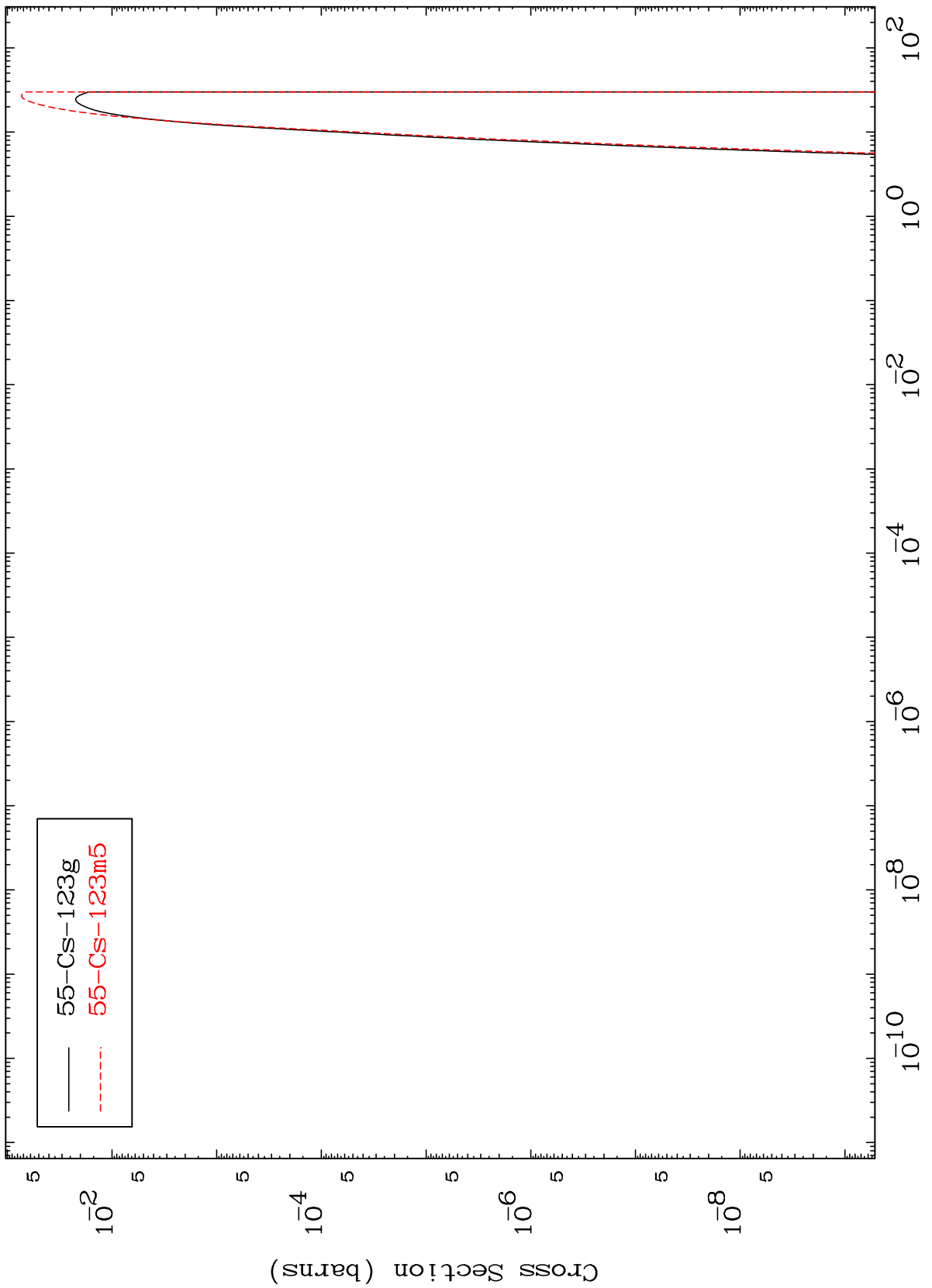
57-La-127

MAT 5692

$(n, n')$   $\alpha$

57-La-127

Radionuclide Production Cross Section

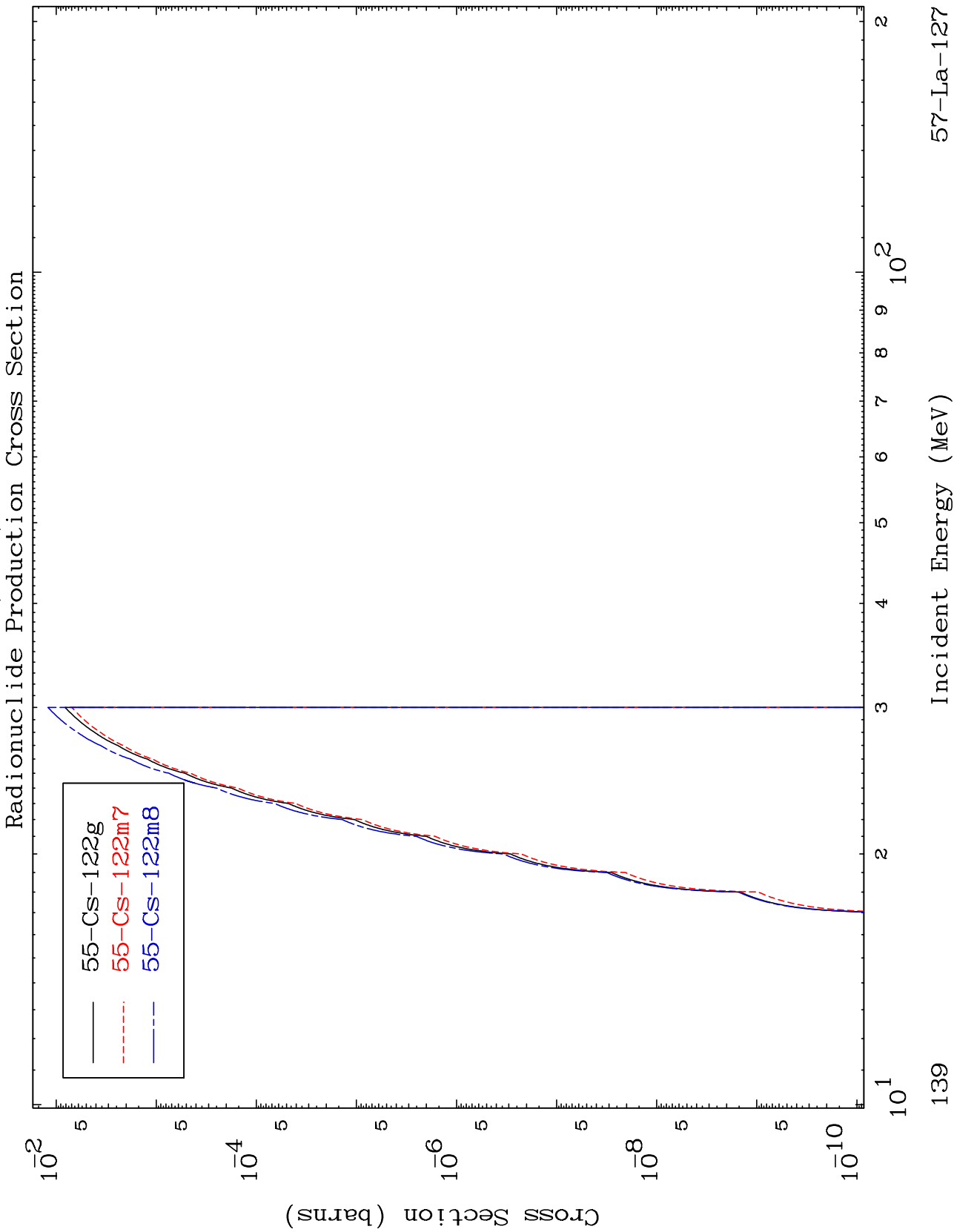


— 55-Cs-123g  
- - - 55-Cs-123m5

MAT 5692

(n,2n)  $\alpha$

57-La-127



139

Incident Energy (MeV)

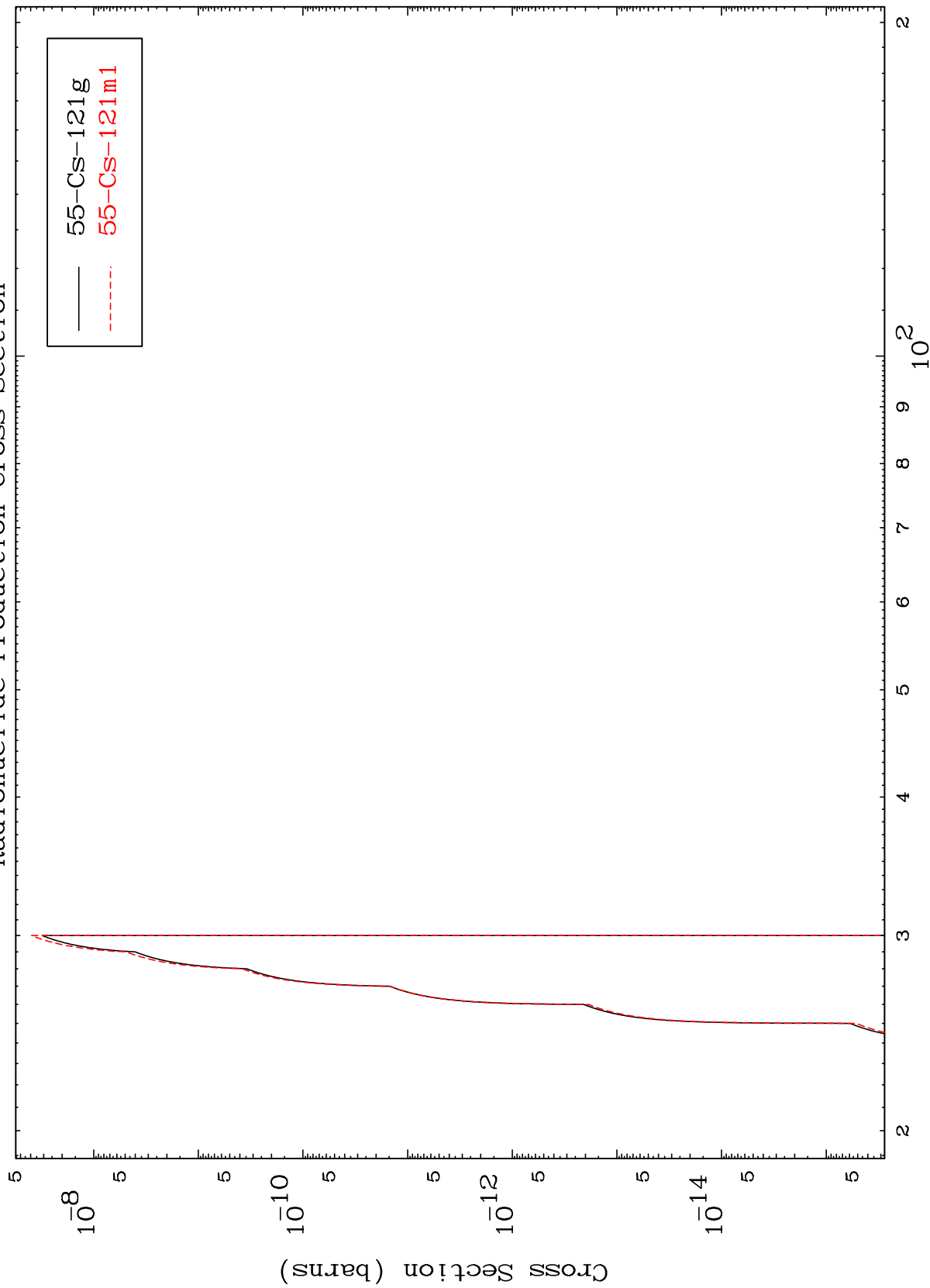
57-La-127

MAT 5692

57-La-127

(n,3n)  $\alpha$

Radionuclide Production Cross Section



140

Incident Energy (MeV)

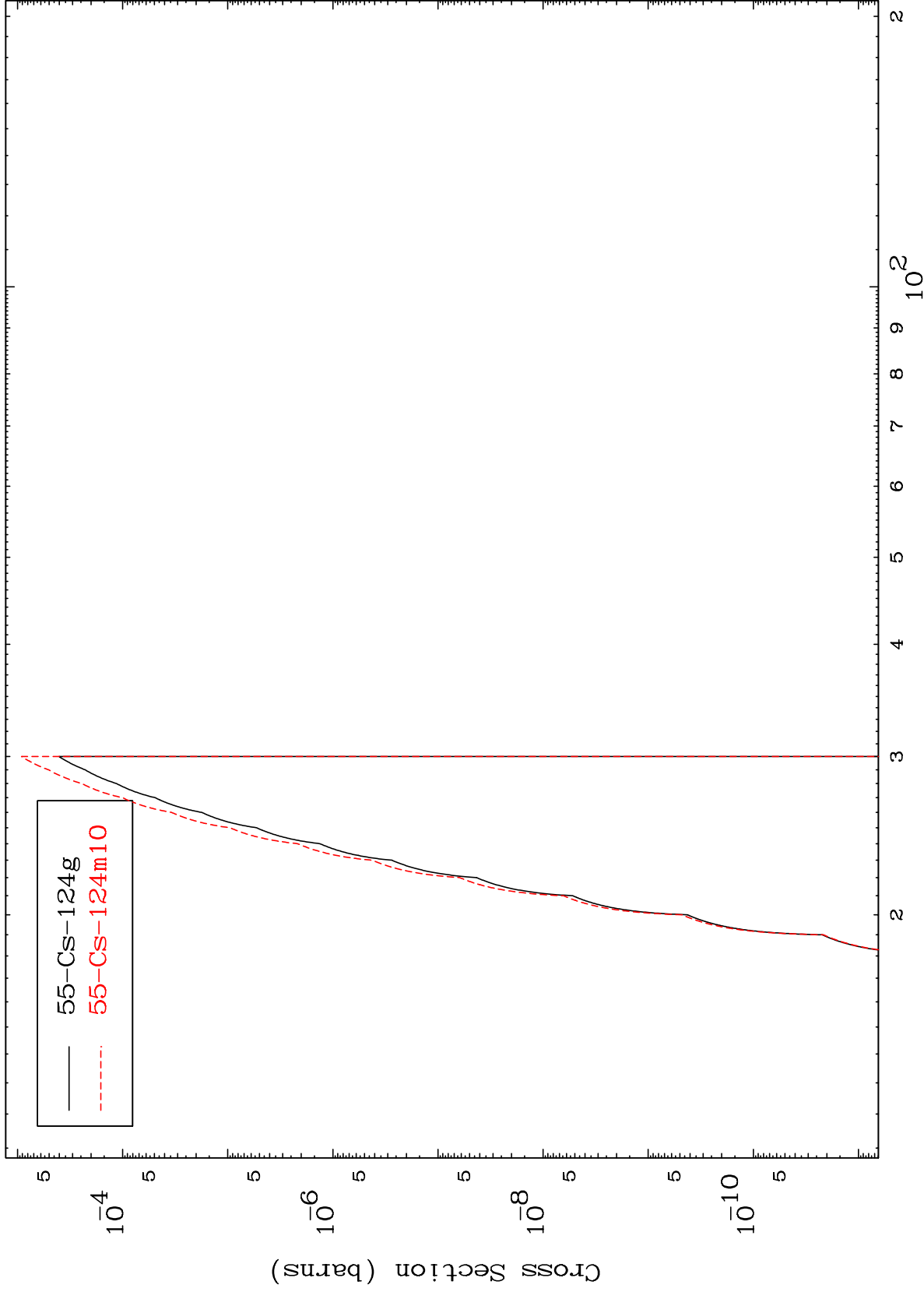
57-La-127

MAT 5692

(n,n') He-3

57-La-127

Radionuclide Production Cross Section



141

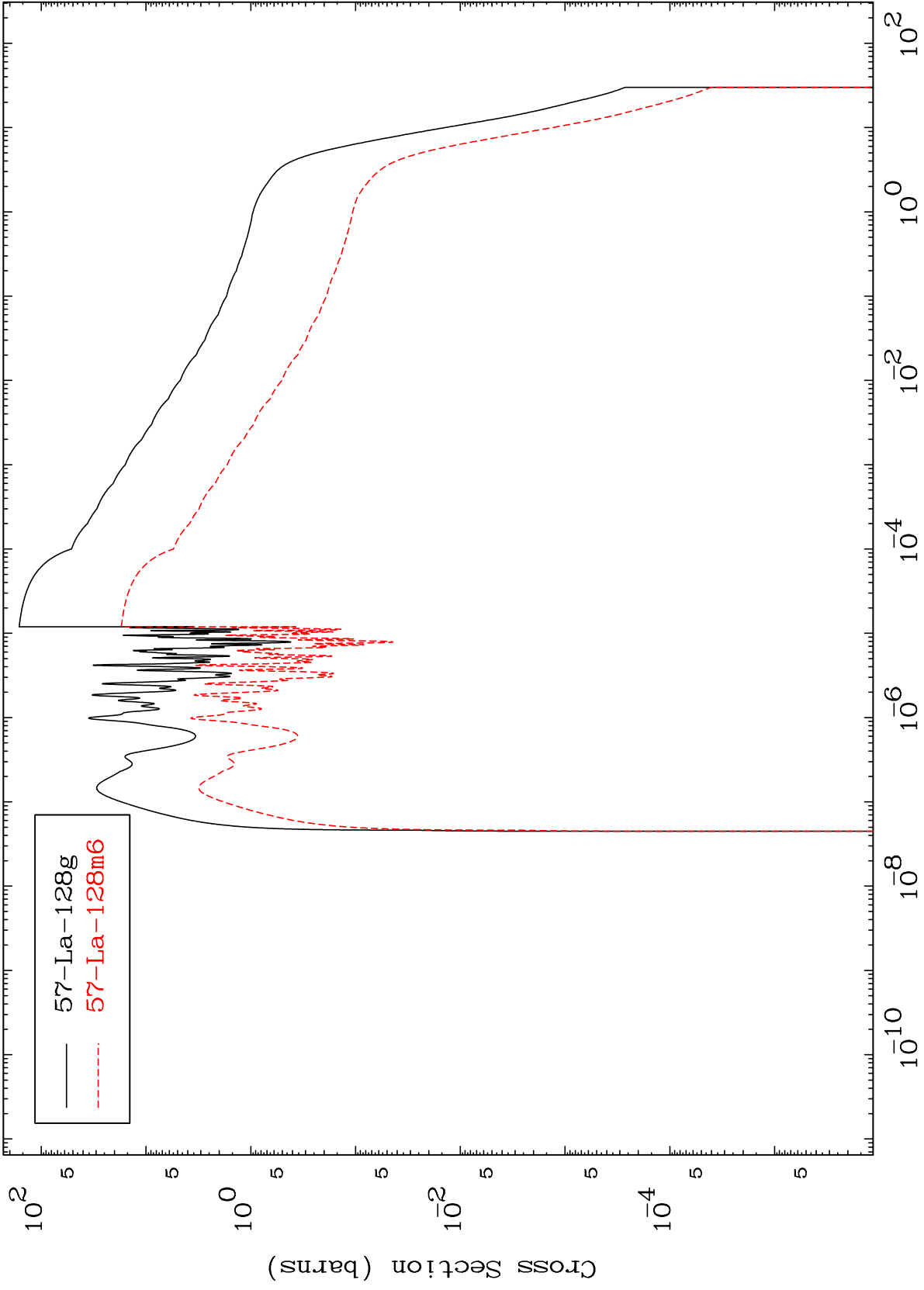
Incident Energy (MeV)

57-La-127

MAT 5692

57-La-127

Radionuclide Production Cross Section (n,γ)



142

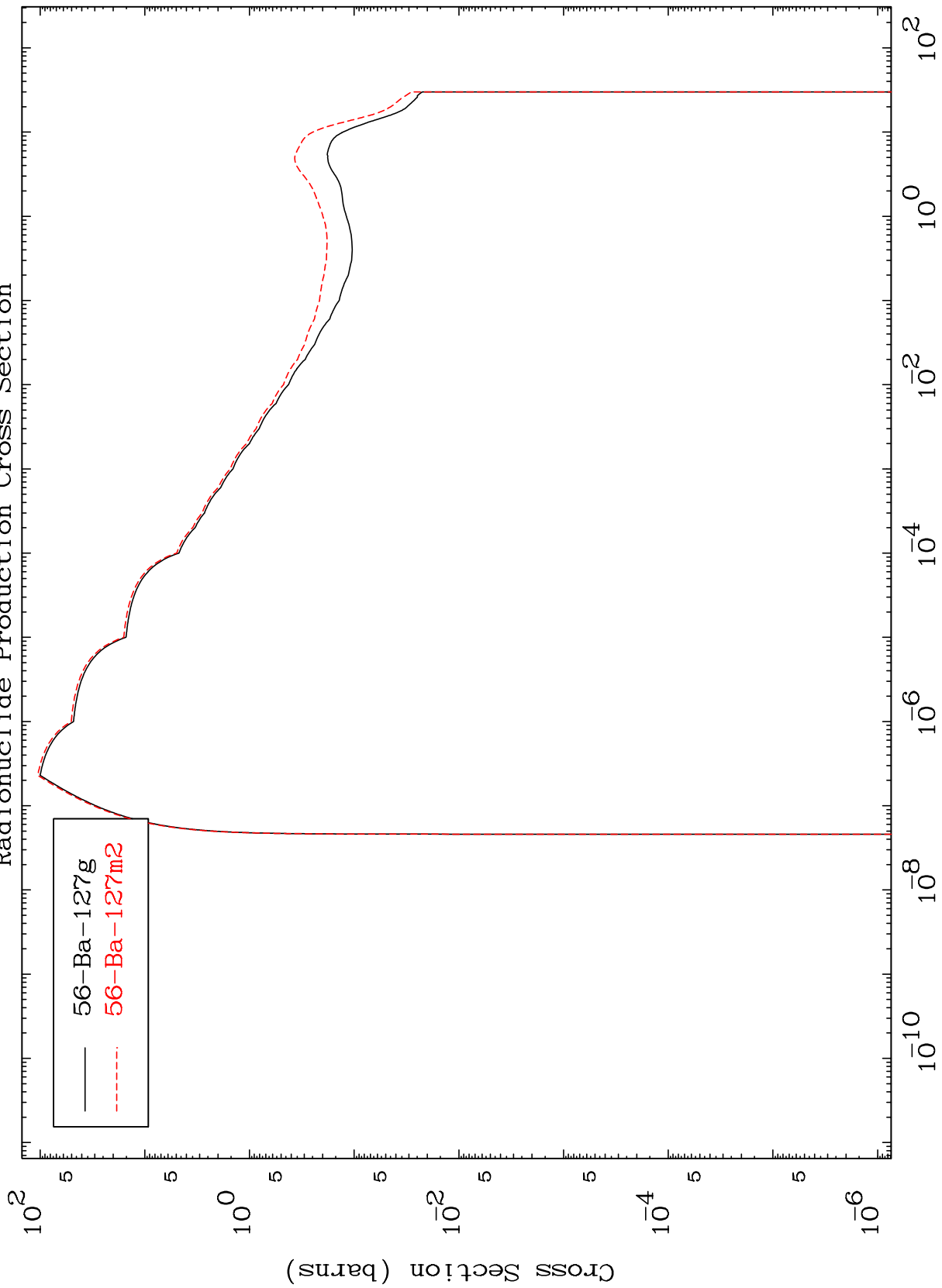
57-La-127

Incident Energy (MeV)

MAT 5692

57-La-127

Radionuclide Production Cross Section (n,p)



56-Ba-127g  
56-Ba-127m2

57-La-127

Incident Energy (MeV)

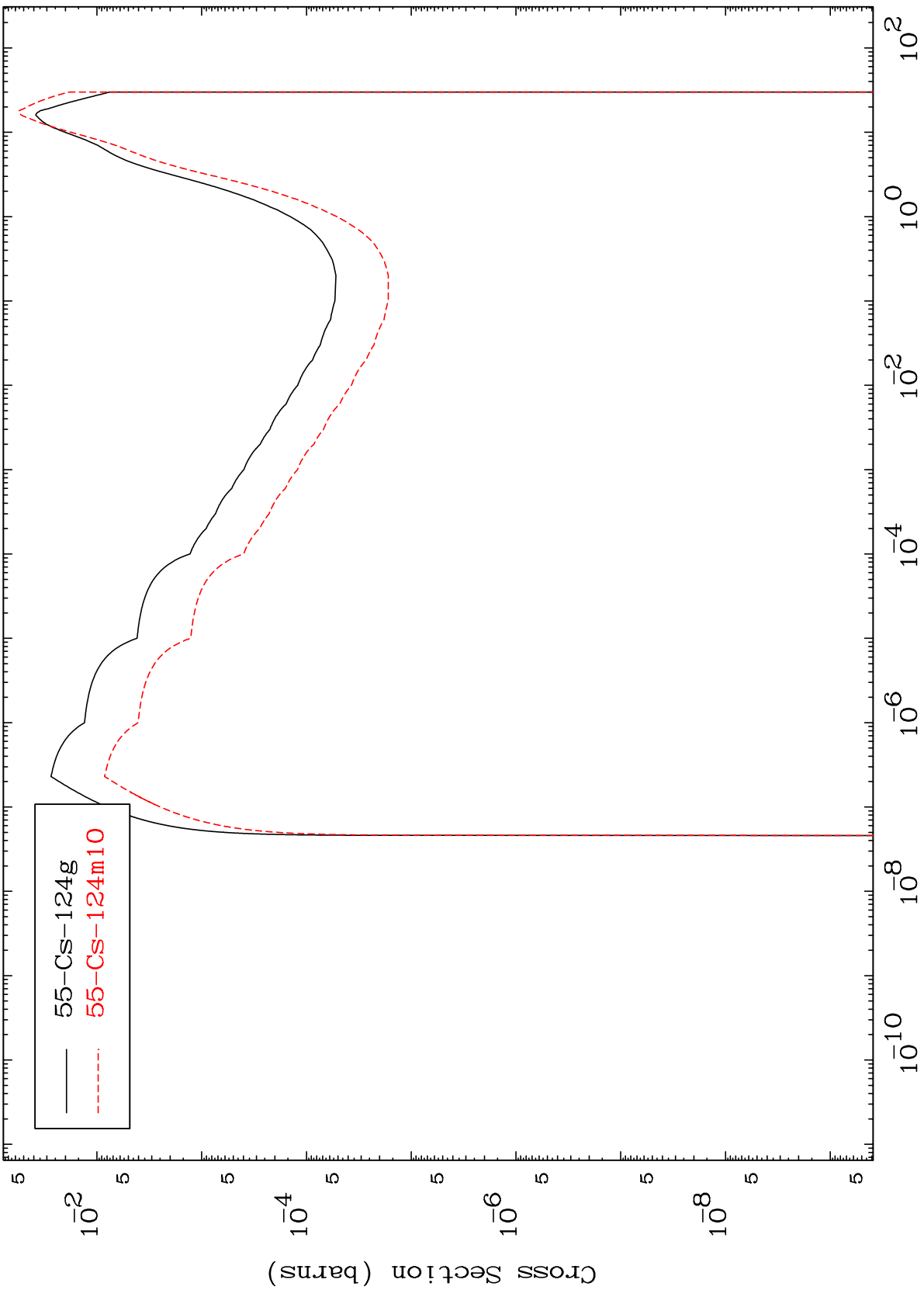
143



MAT 5692

57-La-127

Radionuclide Production Cross Section  
(n,  $\alpha$ )



144

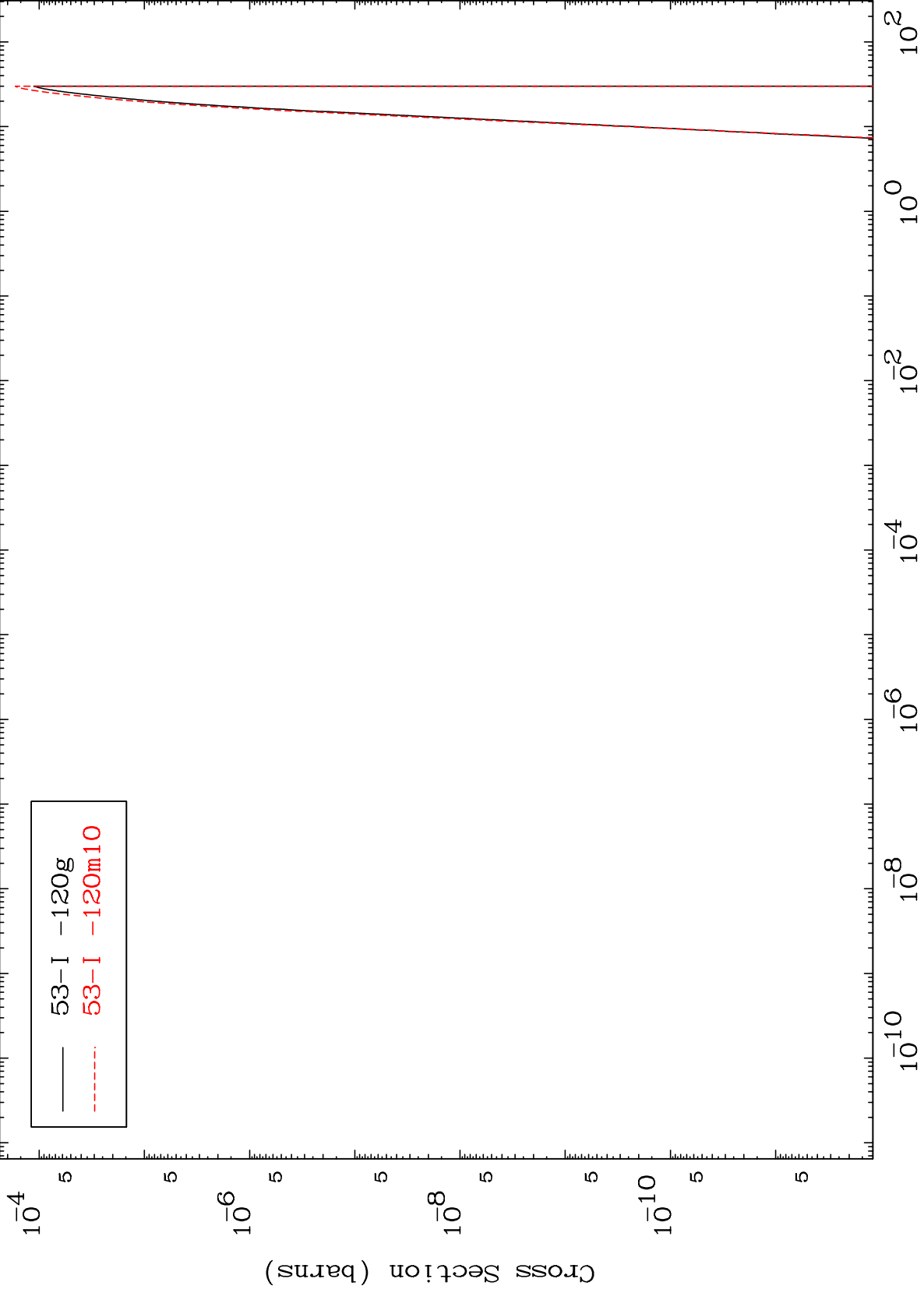
57-La-127

MAT 5692

(n,2α)

57-La-127

Radionuclide Production Cross Section



145

Incident Energy (MeV)

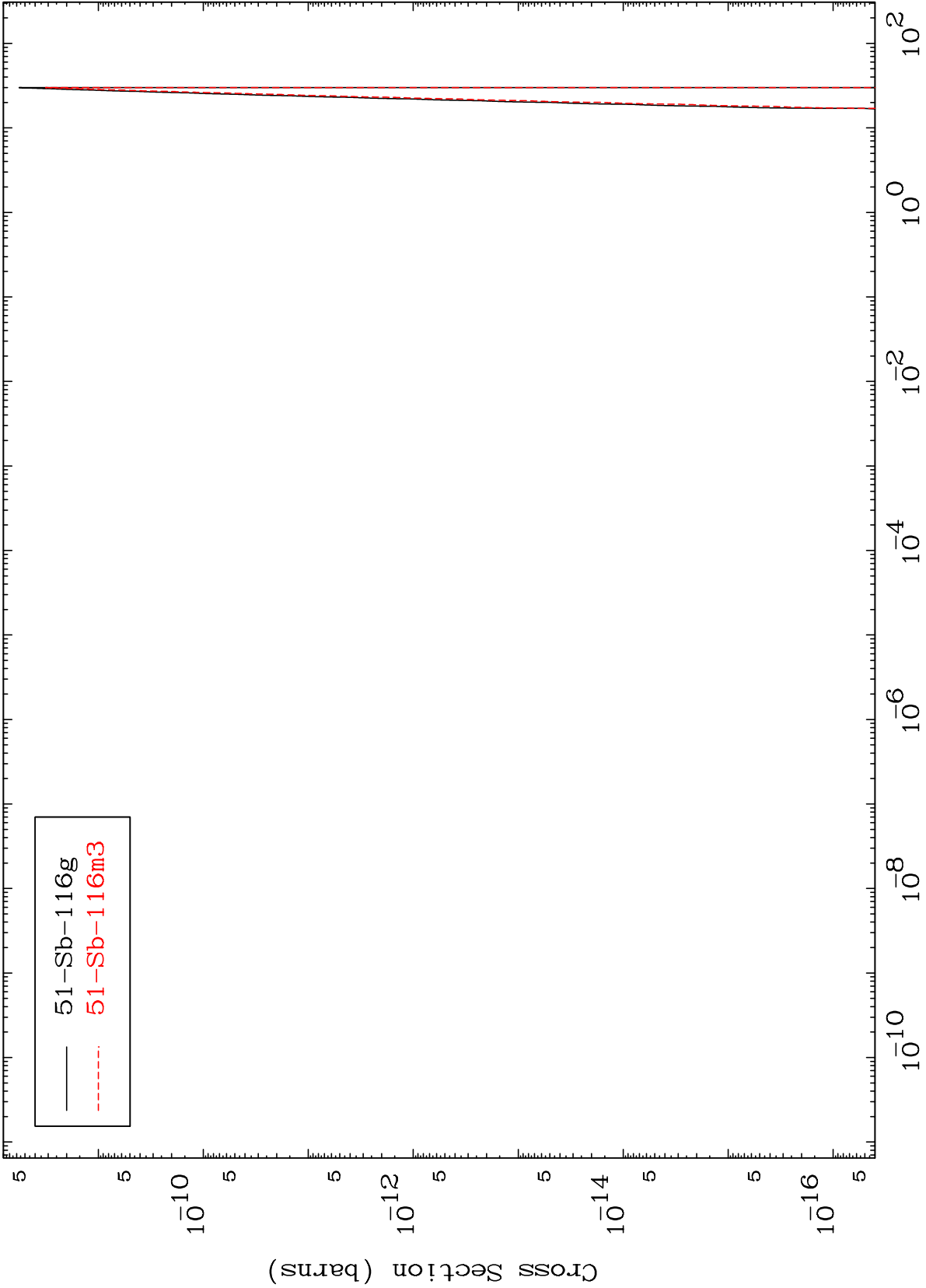
57-La-127

MAT 5692

(n, 3α)

57-La-127

Radionuclide Production Cross Section



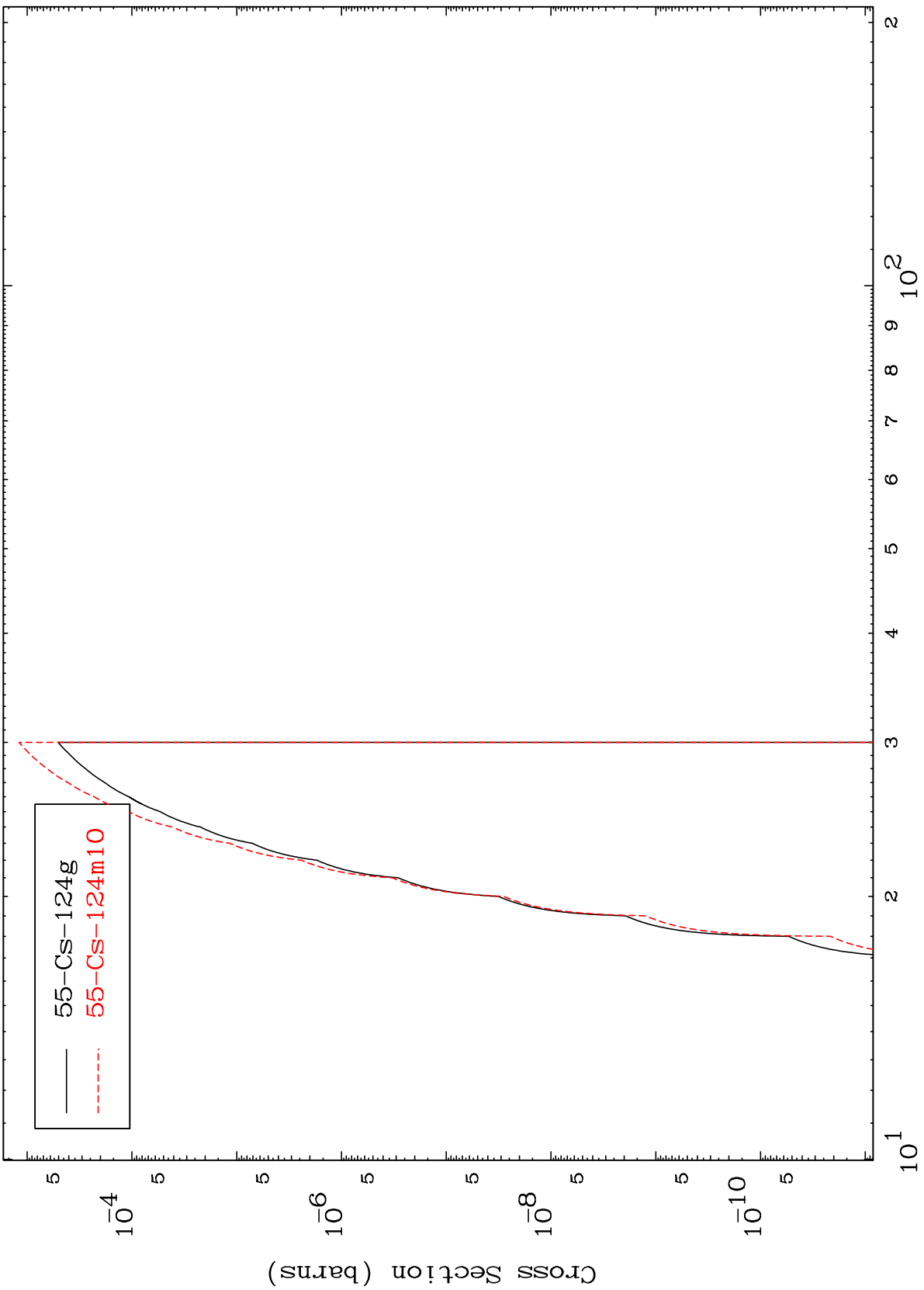
51-Sb-116g  
51-Sb-116m3

MAT 5692

(n,p) t

57-La-127

Radionuclide Production Cross Section



147

Incident Energy (MeV)

57-La-127