

Program EVALPLOT
(Version 2017-1)

by

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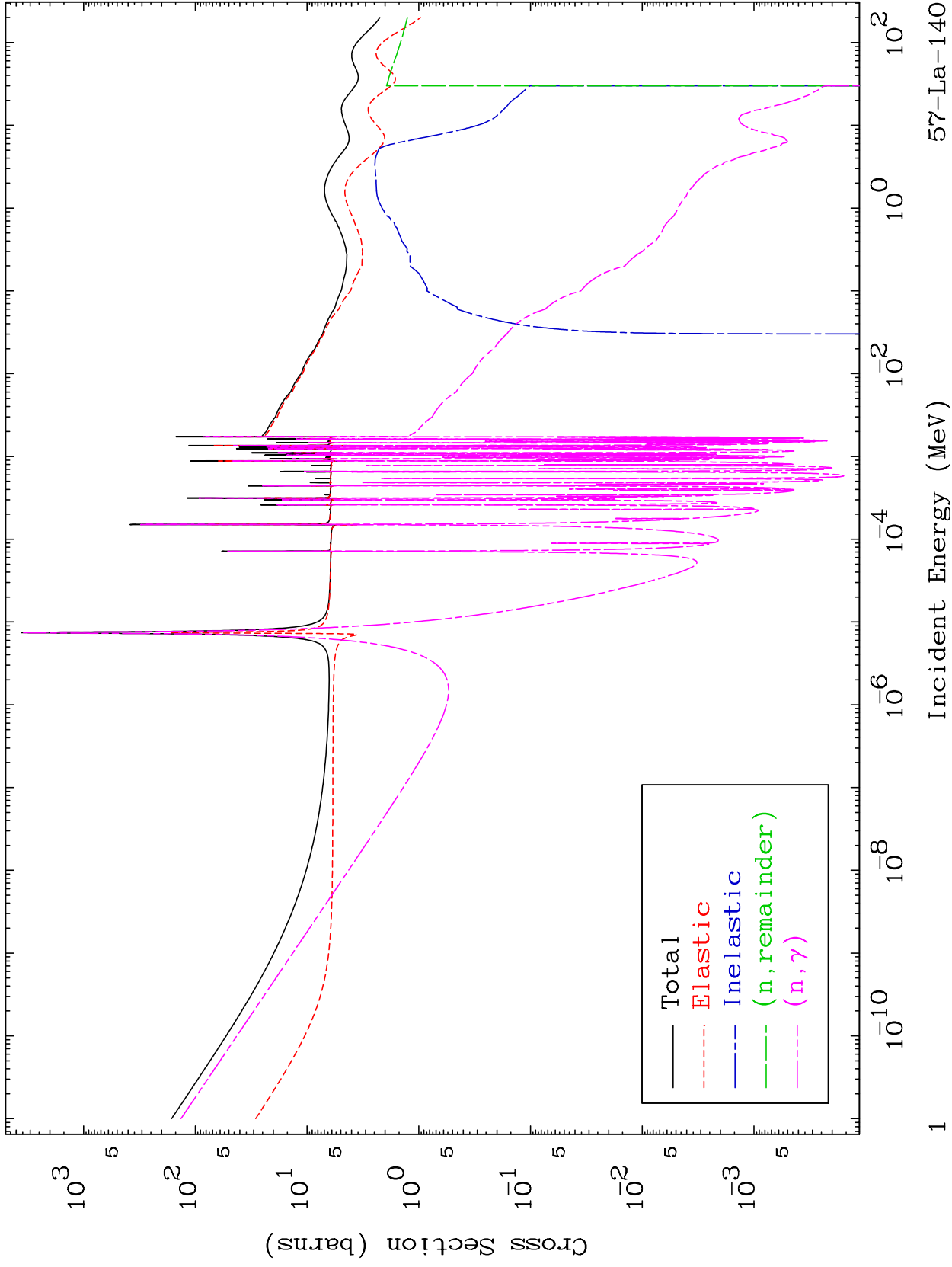
Press Mouse Button to Start

MAT 5731

Major

293 Kelvin Cross Sections

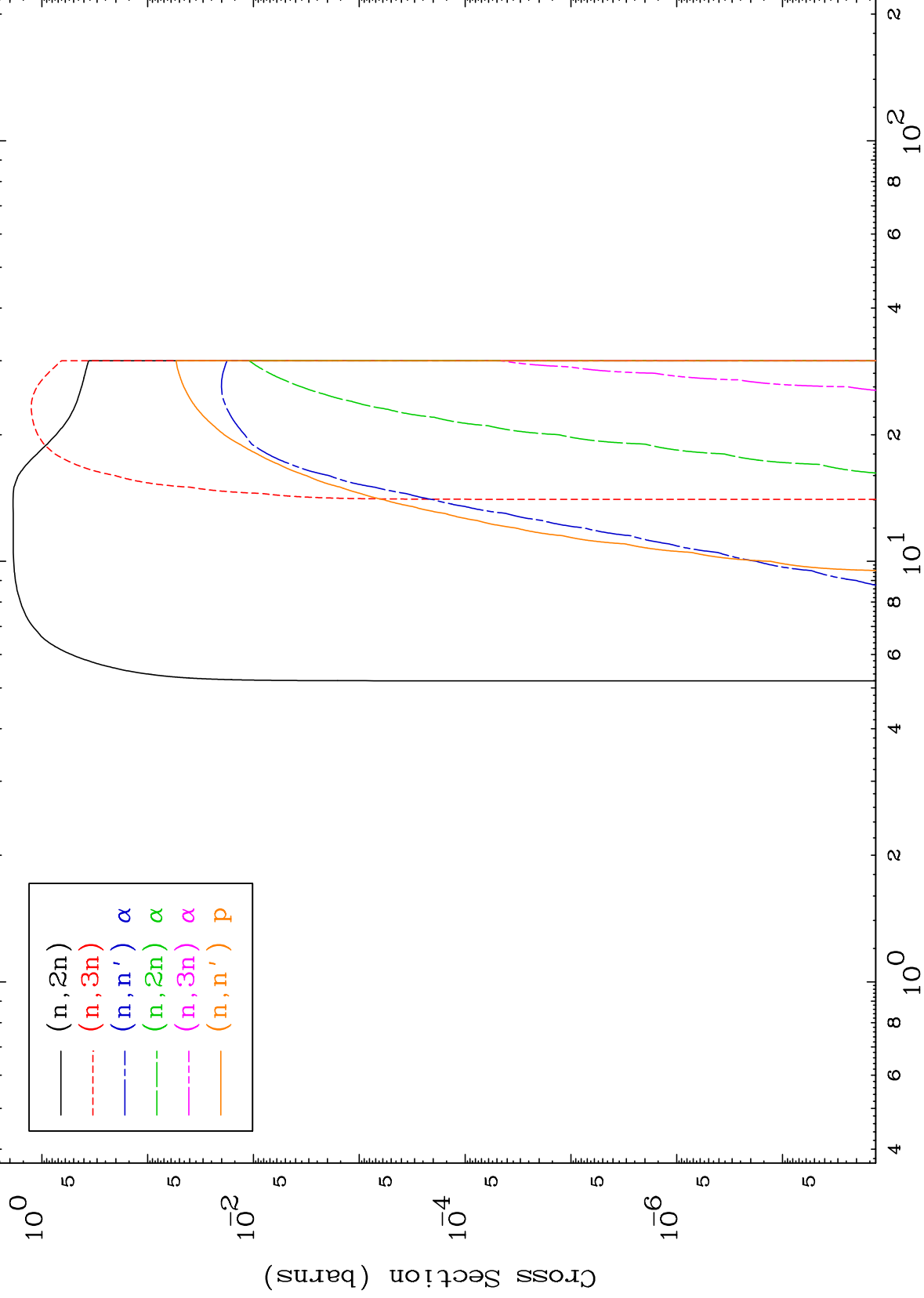
57-La-140



MAT 5731

Neutron Production
293 Kelvin Cross Sections

57-La-140



Incident Energy (MeV)

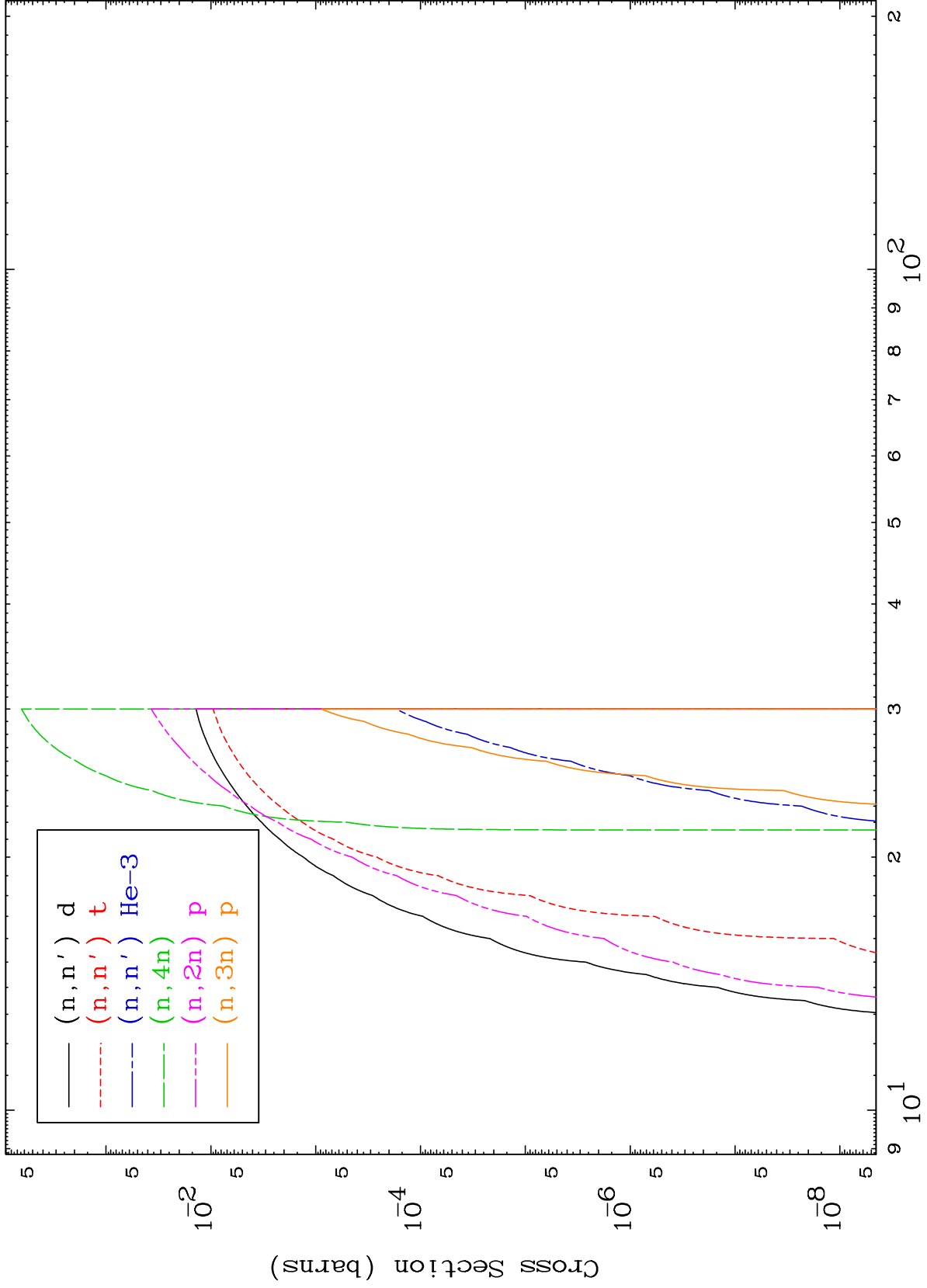
57-La-140

2

MAT 5731

Neutron Production
293 Kelvin Cross Sections

57-La-140



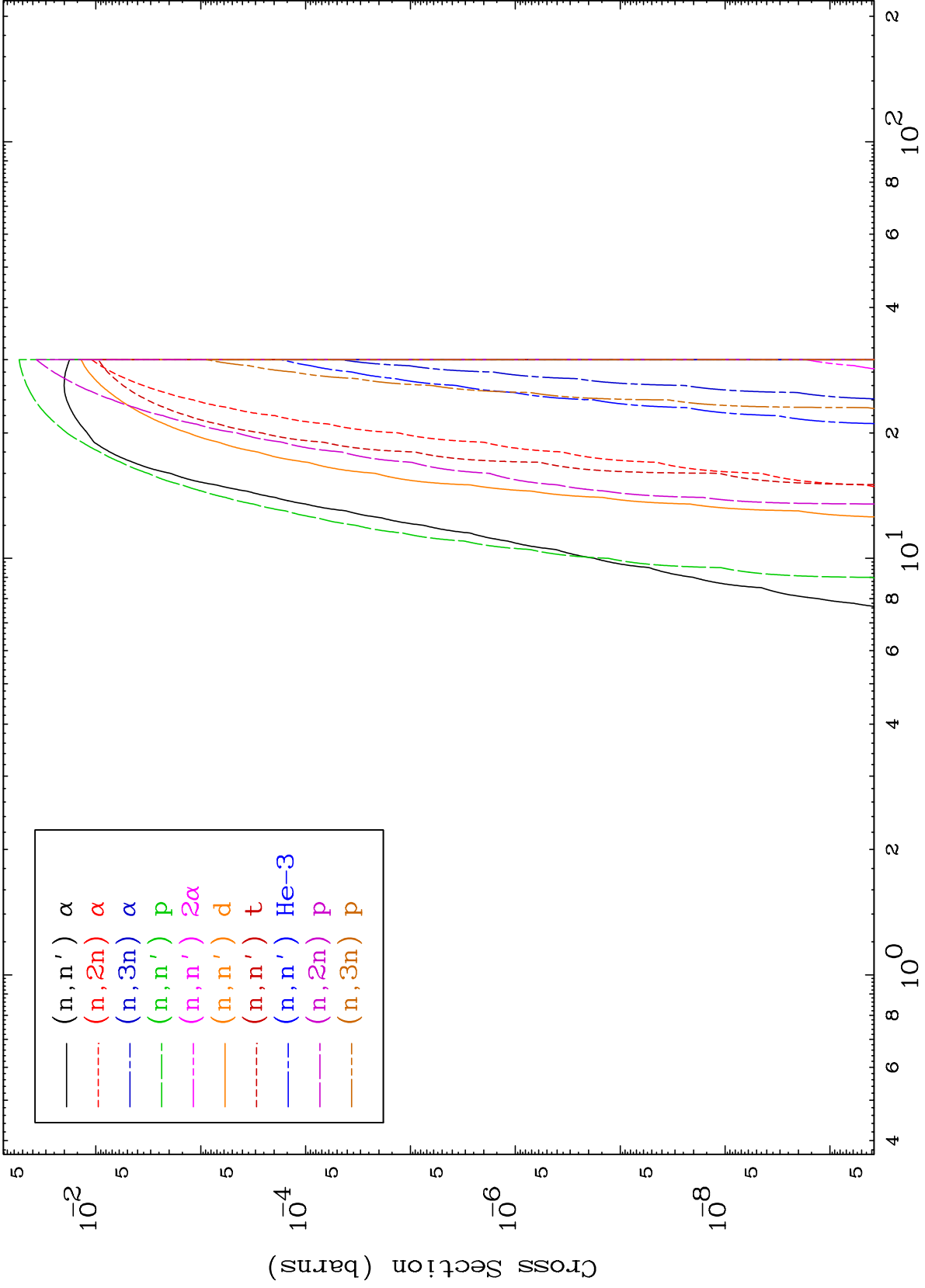
Incident Energy (MeV)

57-La-140

MAT 5731

Charged Particle
293 Kelvin Cross Sections

57-La-140



4

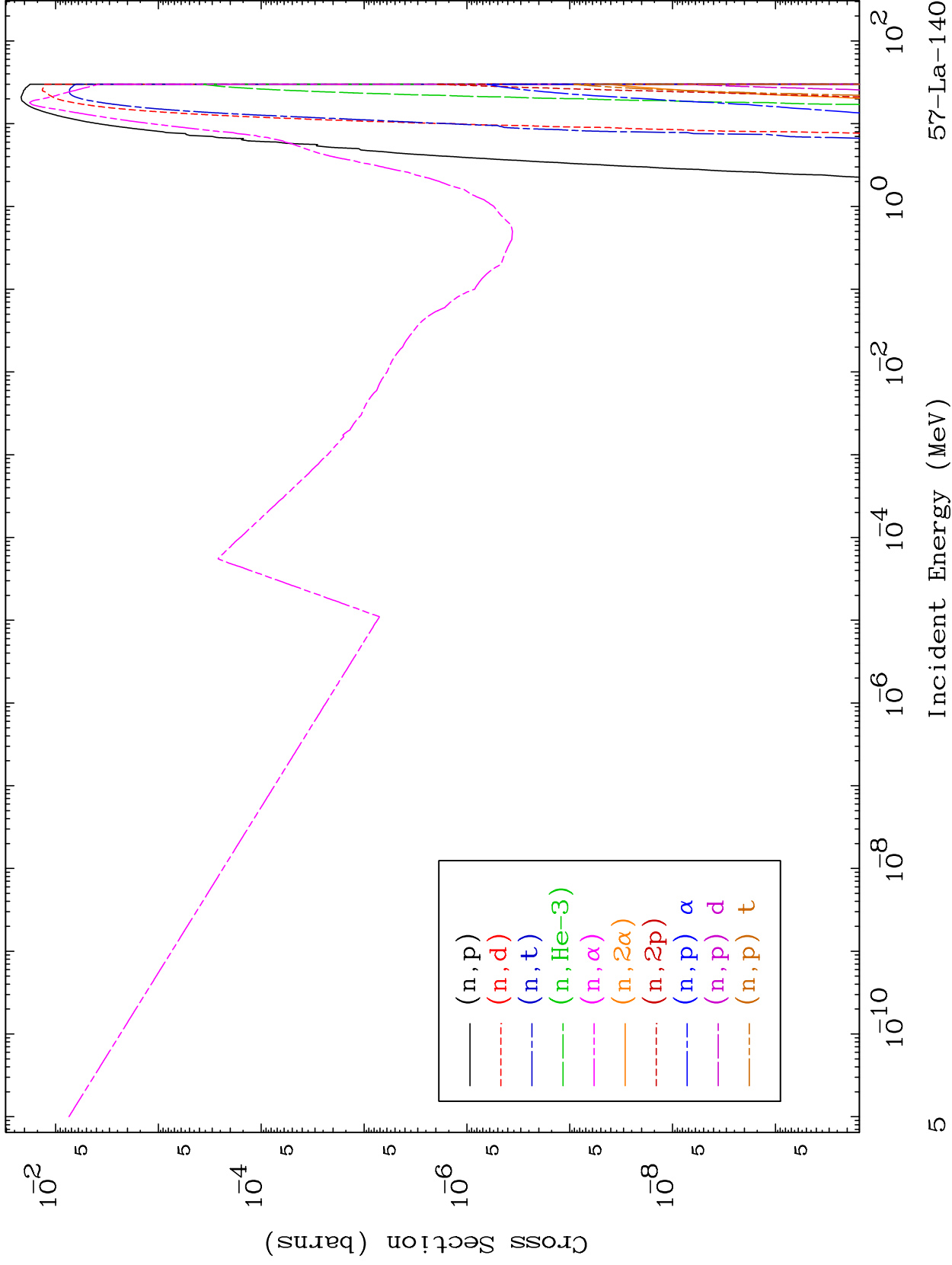
Incident Energy (MeV)

57-La-140

MAT 5731

Charged Particle
293 Kelvin Cross Sections

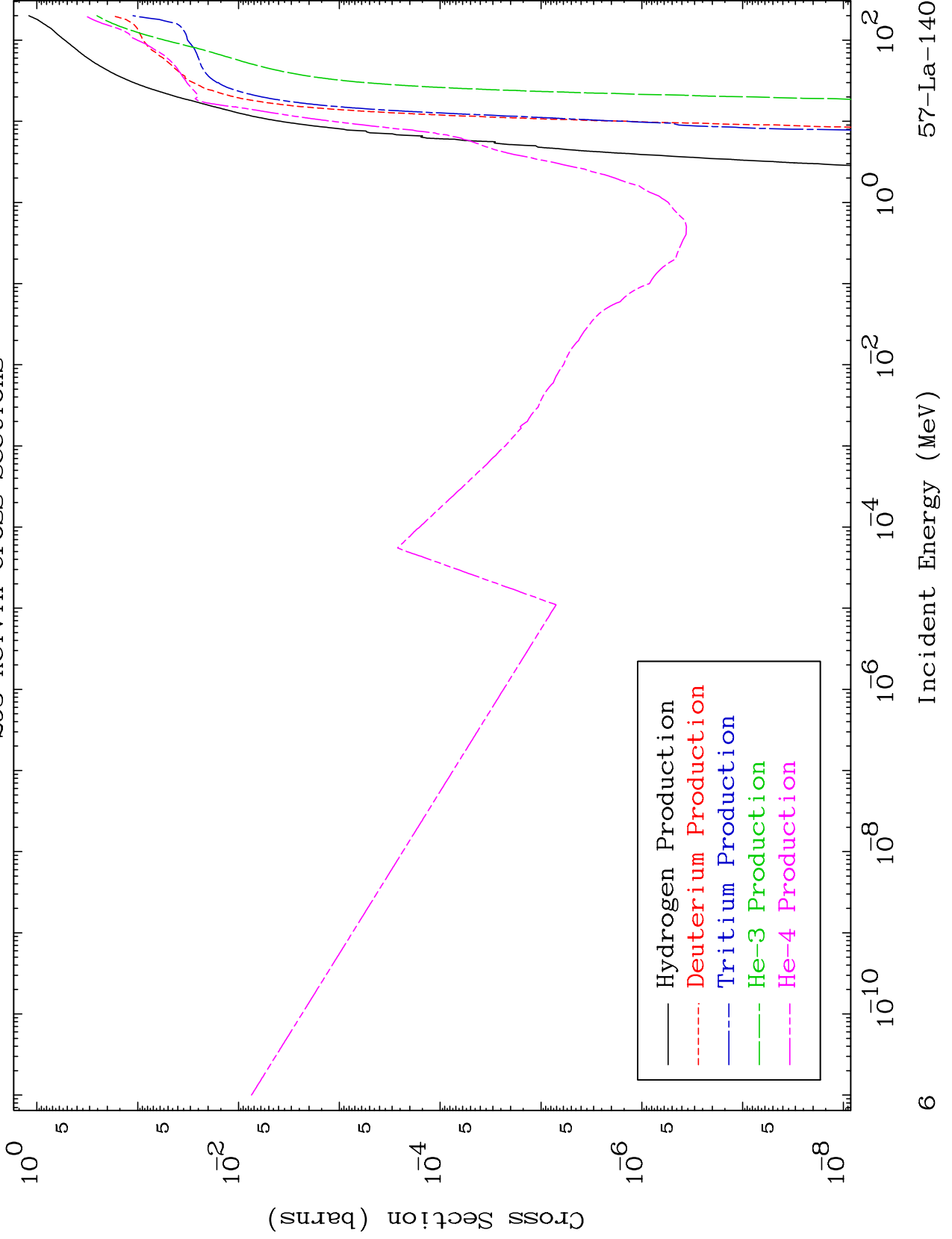
57-La-140



MAT 5731

Particle Production
293 Kelvin Cross Sections

57-La-140

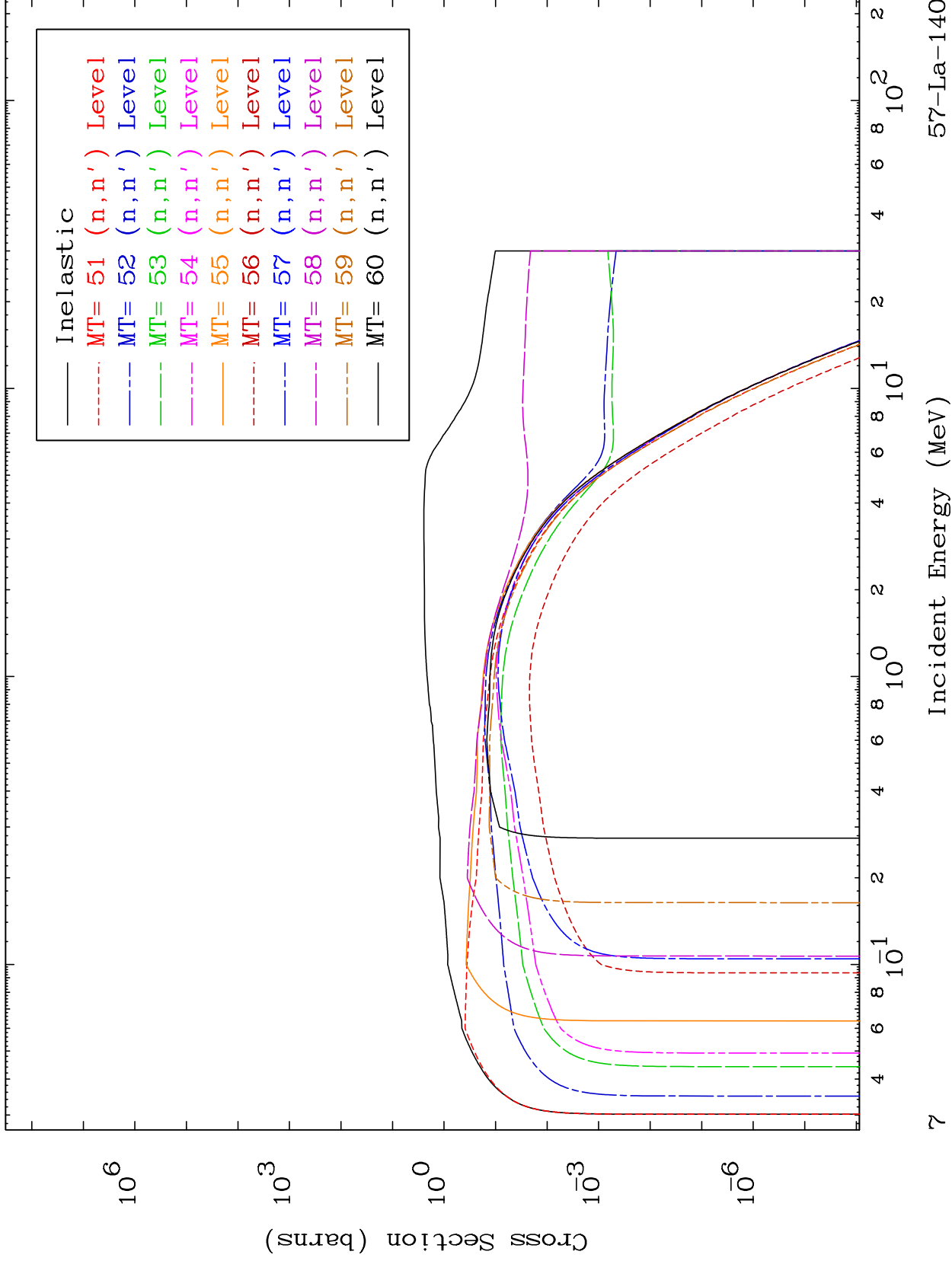


MAT 5731

(n,n') Level

57-La-140

293 Kelvin Cross Sections

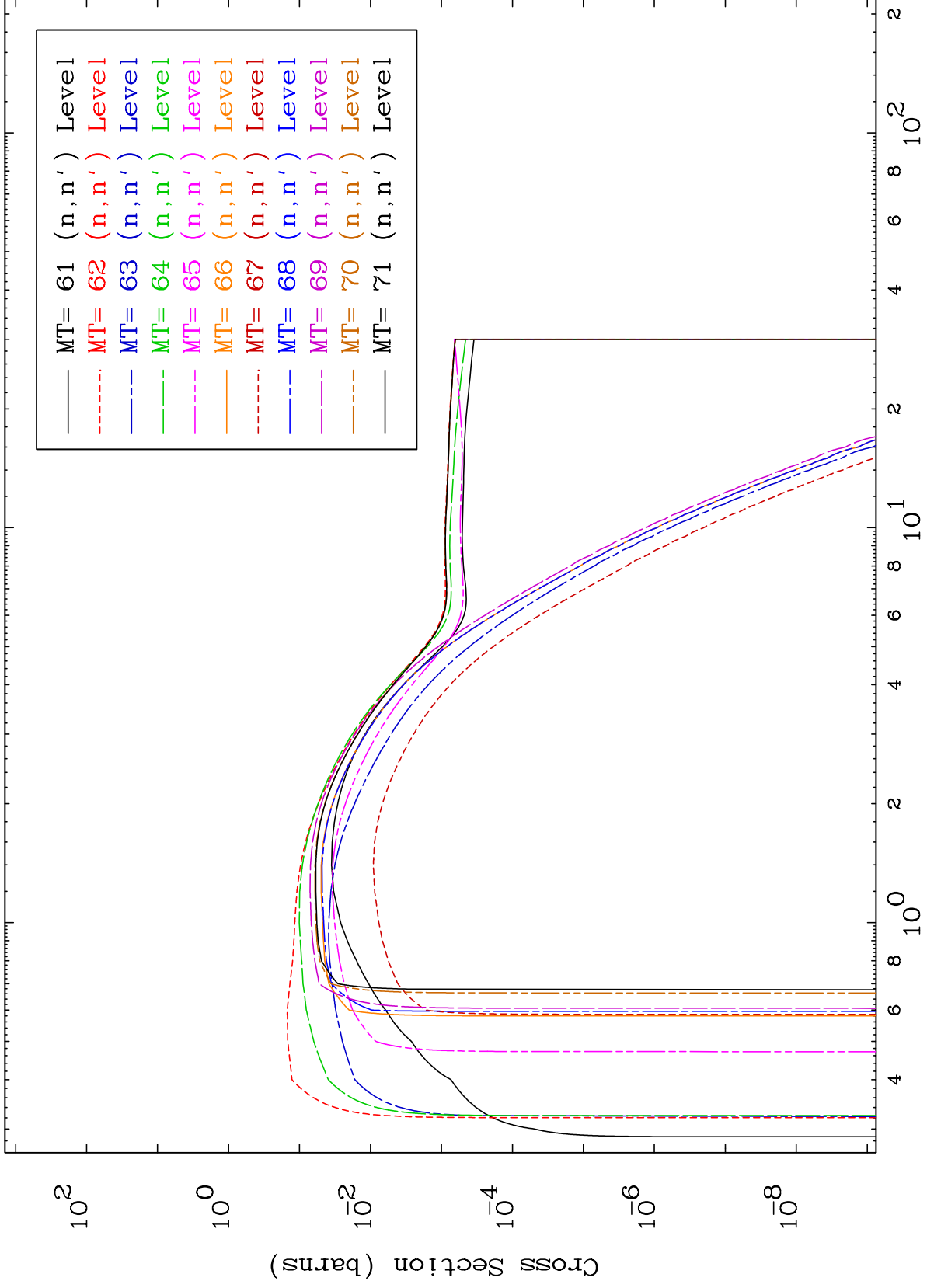


MAT 5731

(n,n') Level

57-La-140

293 Kelvin Cross Sections



8

Incident Energy (MeV)

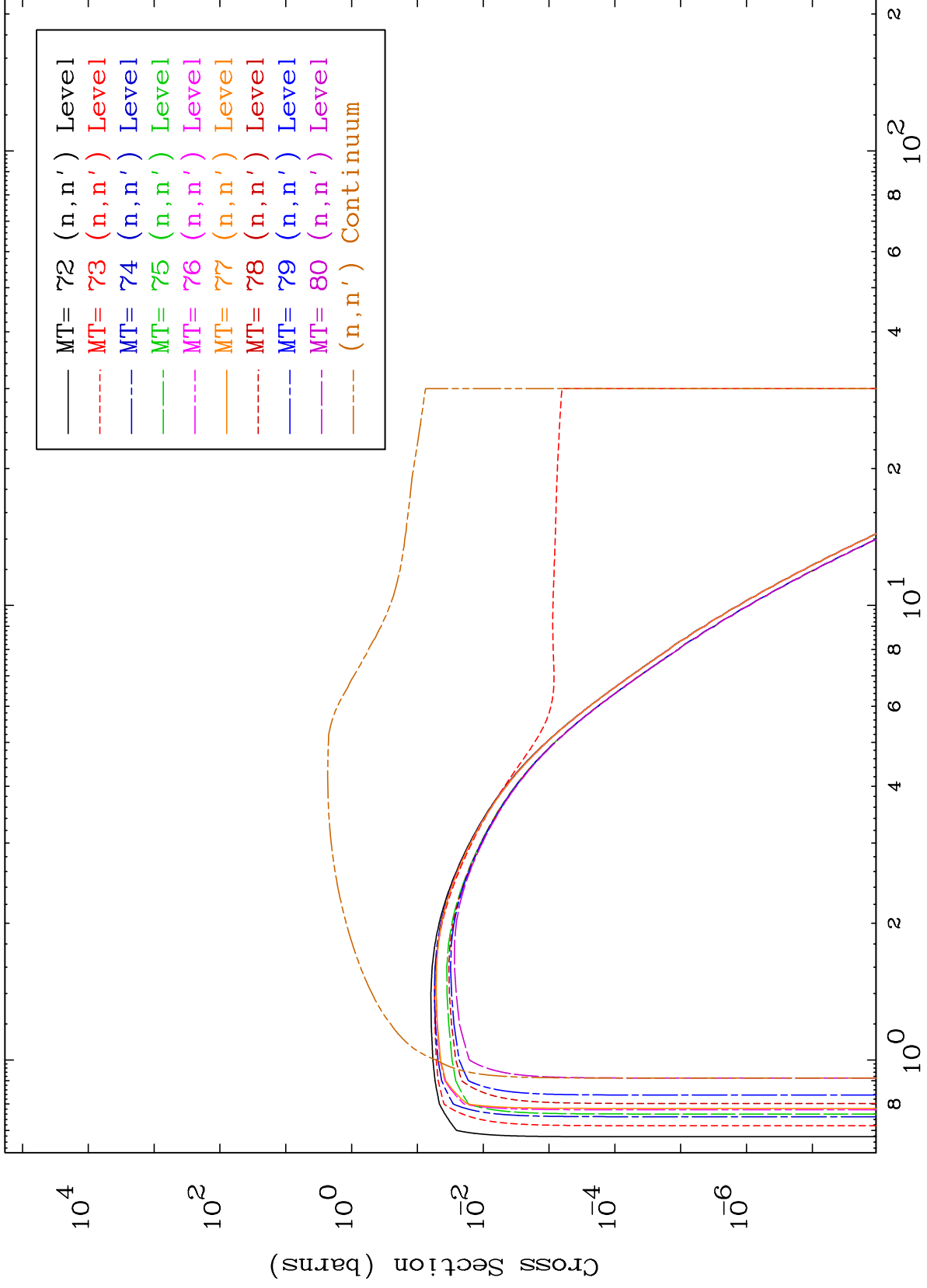
57-La-140

MAT 5731

(n,n') Level

293 Kelvin Cross Sections

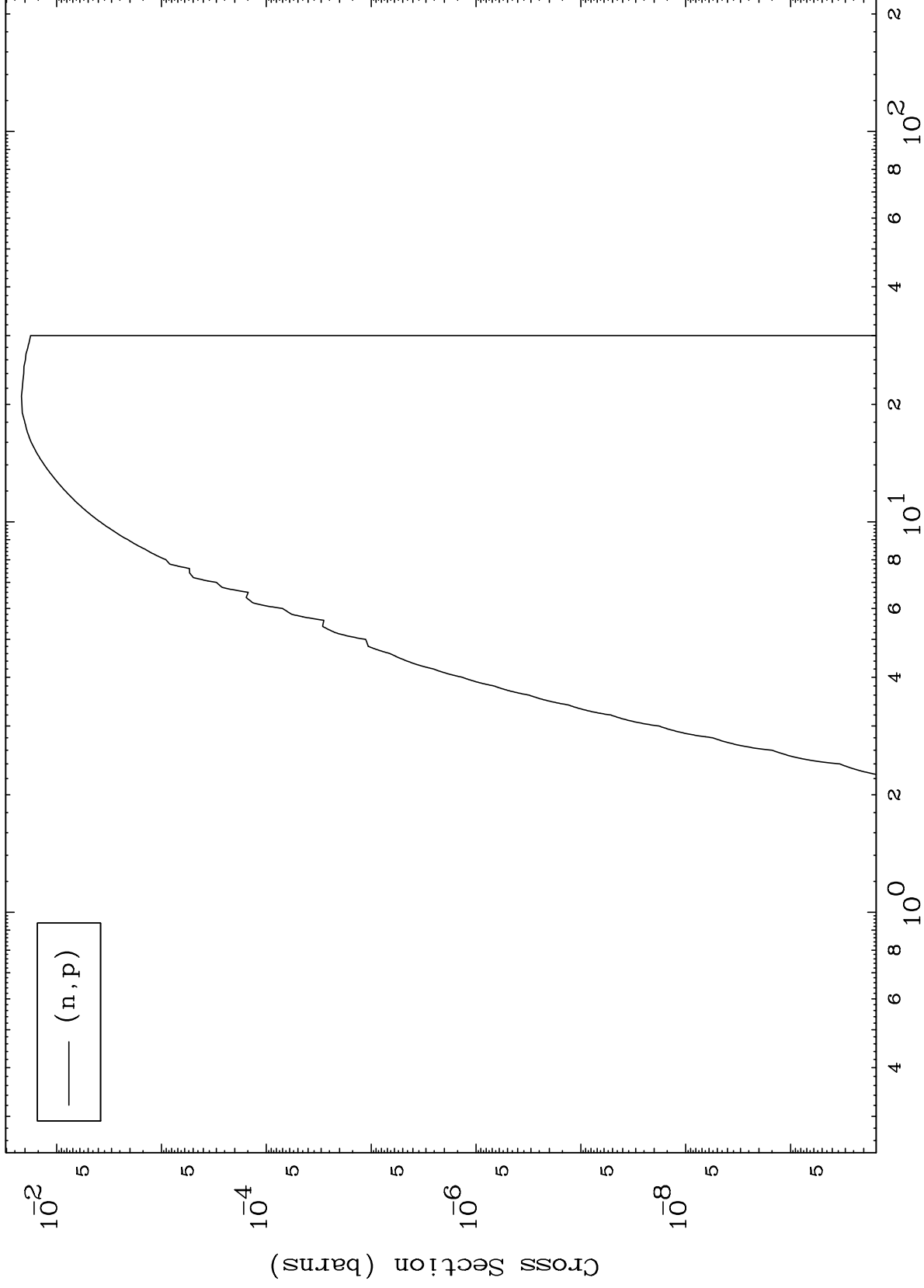
57-La-140



MAT 5731

(n,p) Levels
293 Kelvin Cross Sections

57-La-140



10

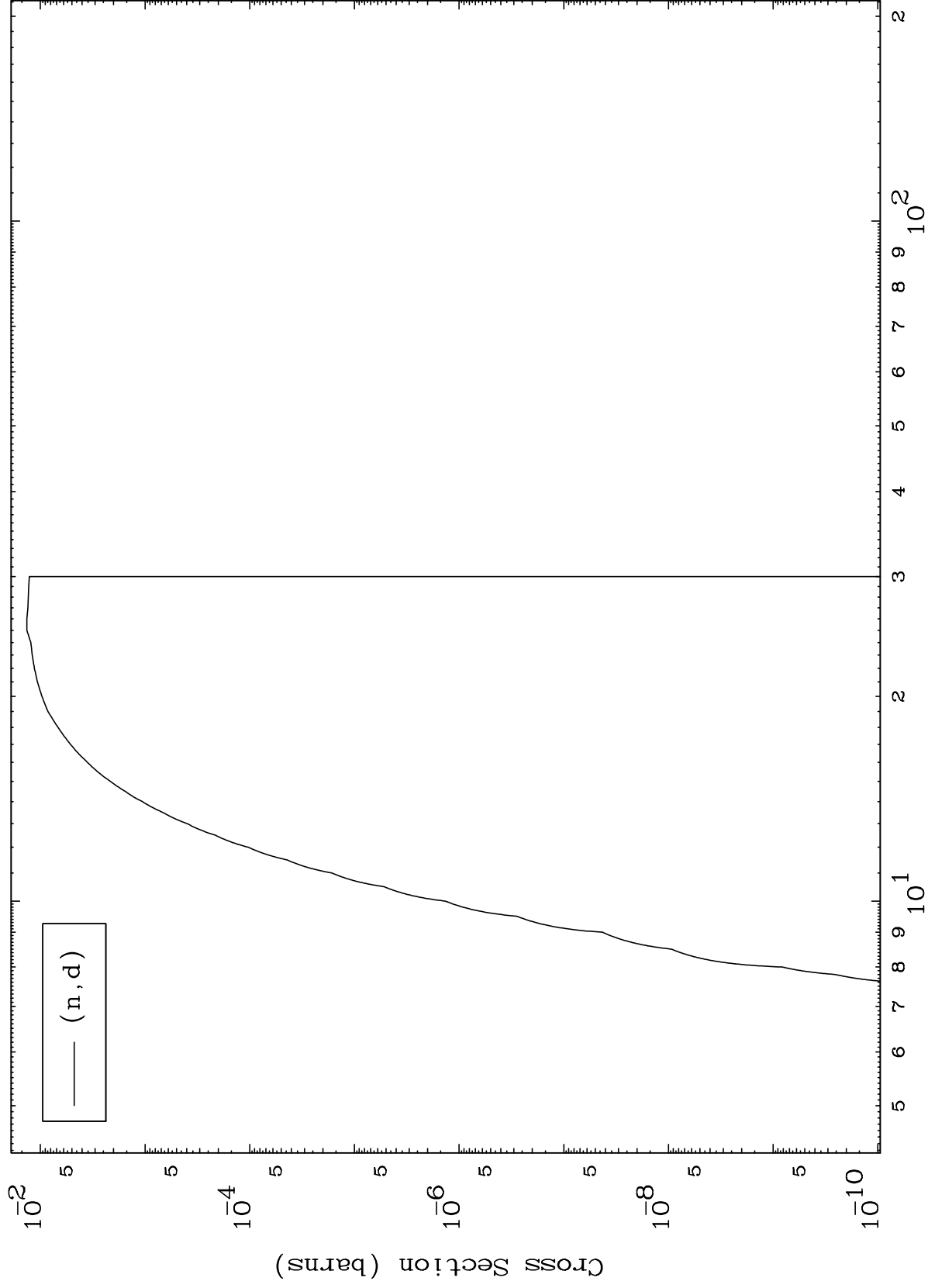
Incident Energy (MeV)

57-La-140

MAT 5731

(n,d) Levels
293 Kelvin Cross Sections

57-La-140



11

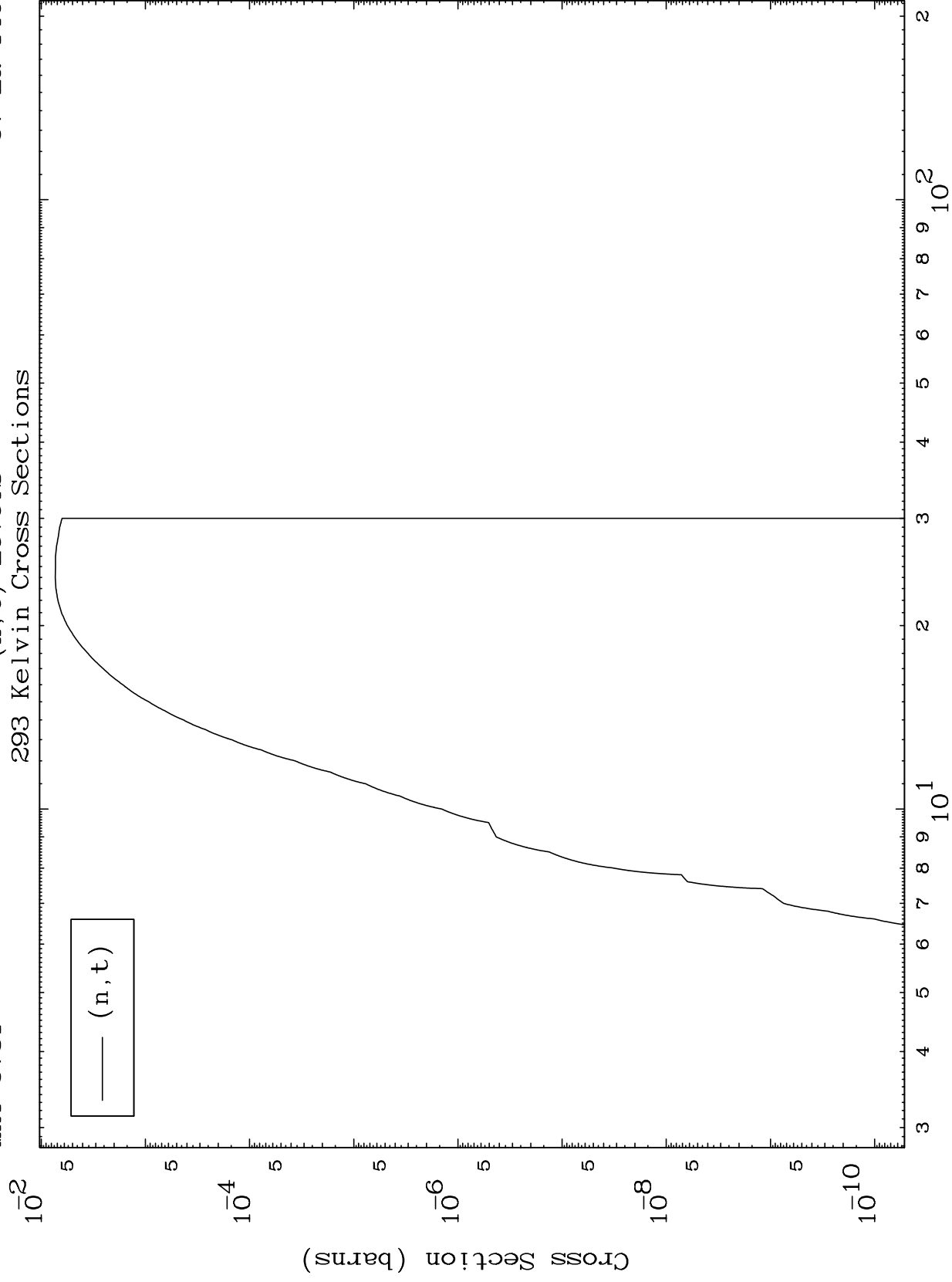
Incident Energy (MeV)

57-La-140

MAT 5731

(n,t) Levels
293 Kelvin Cross Sections

57-La-140



12

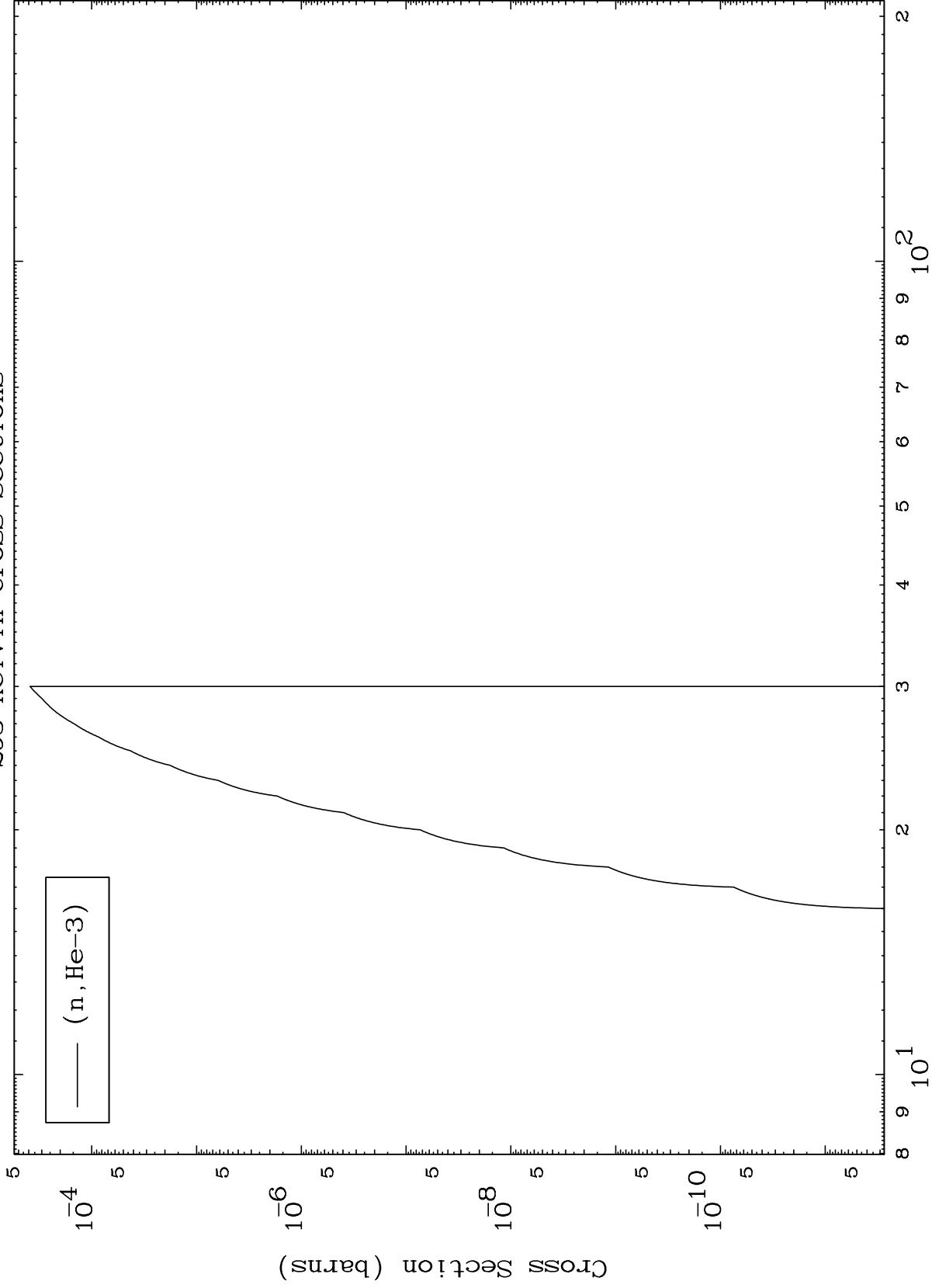
Incident Energy (MeV)

57-La-140

MAT 5731

(n,He3) Levels
293 Kelvin Cross Sections

57-La-140



13

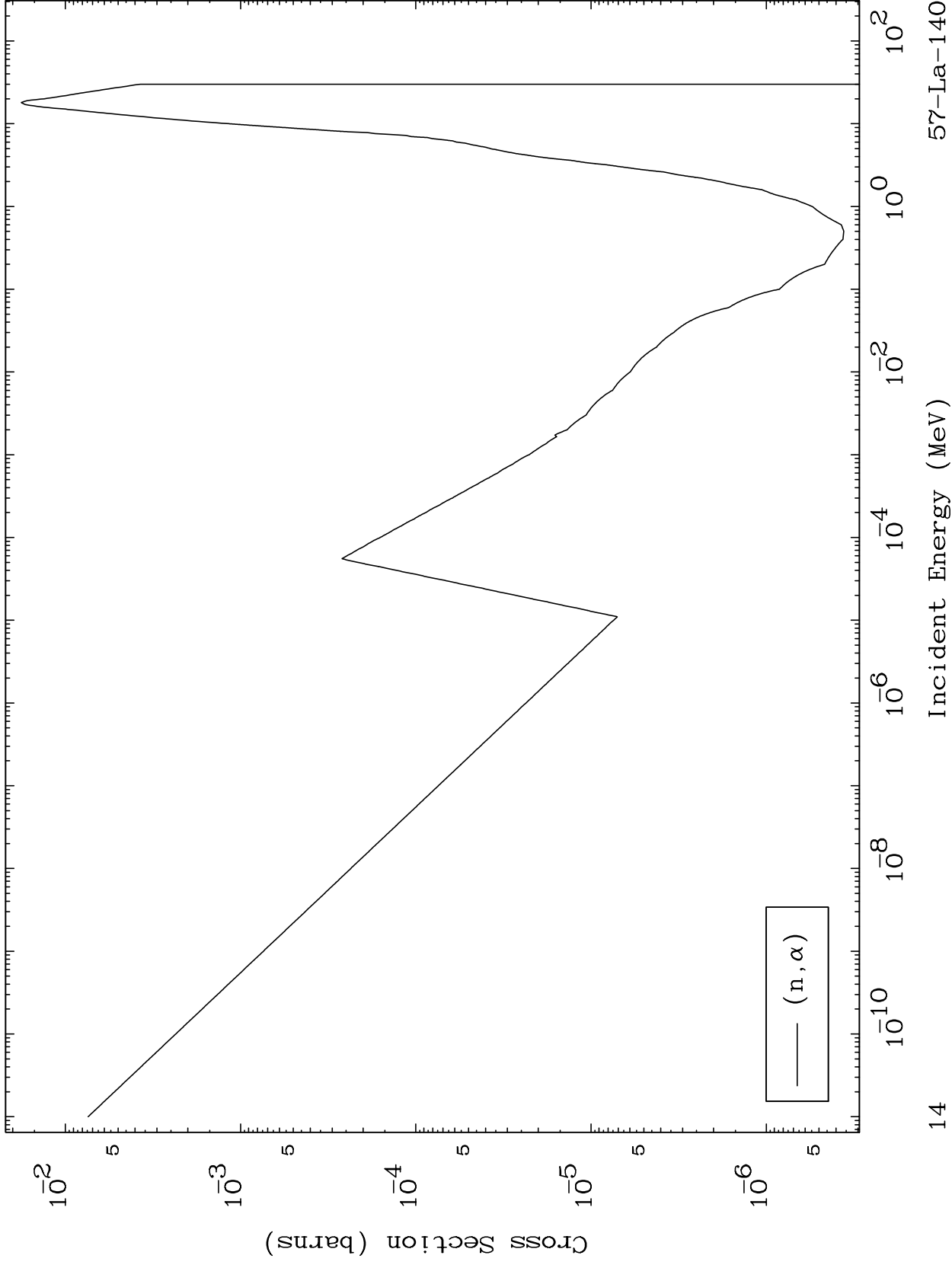
Incident Energy (MeV)

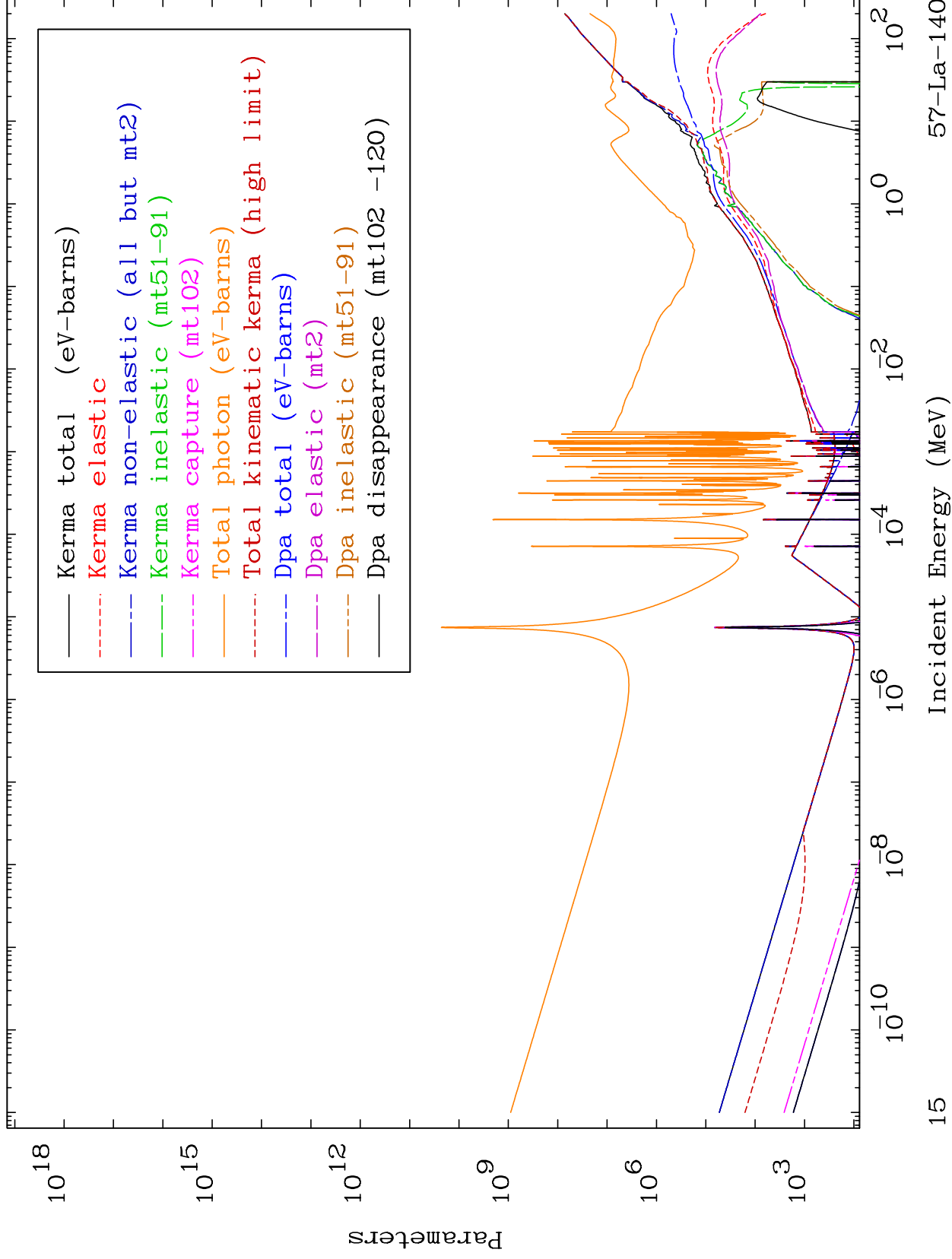
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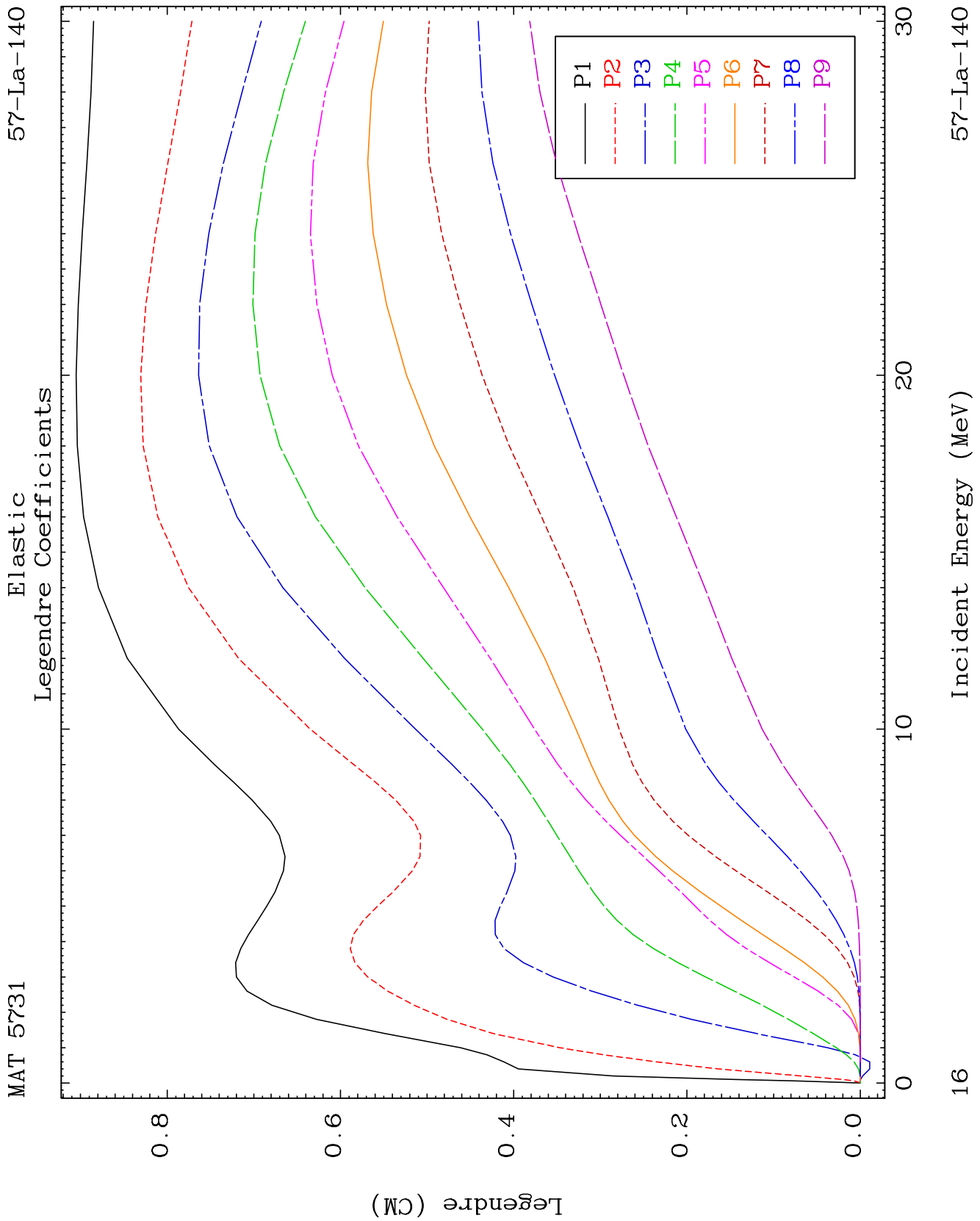
MAT 5731

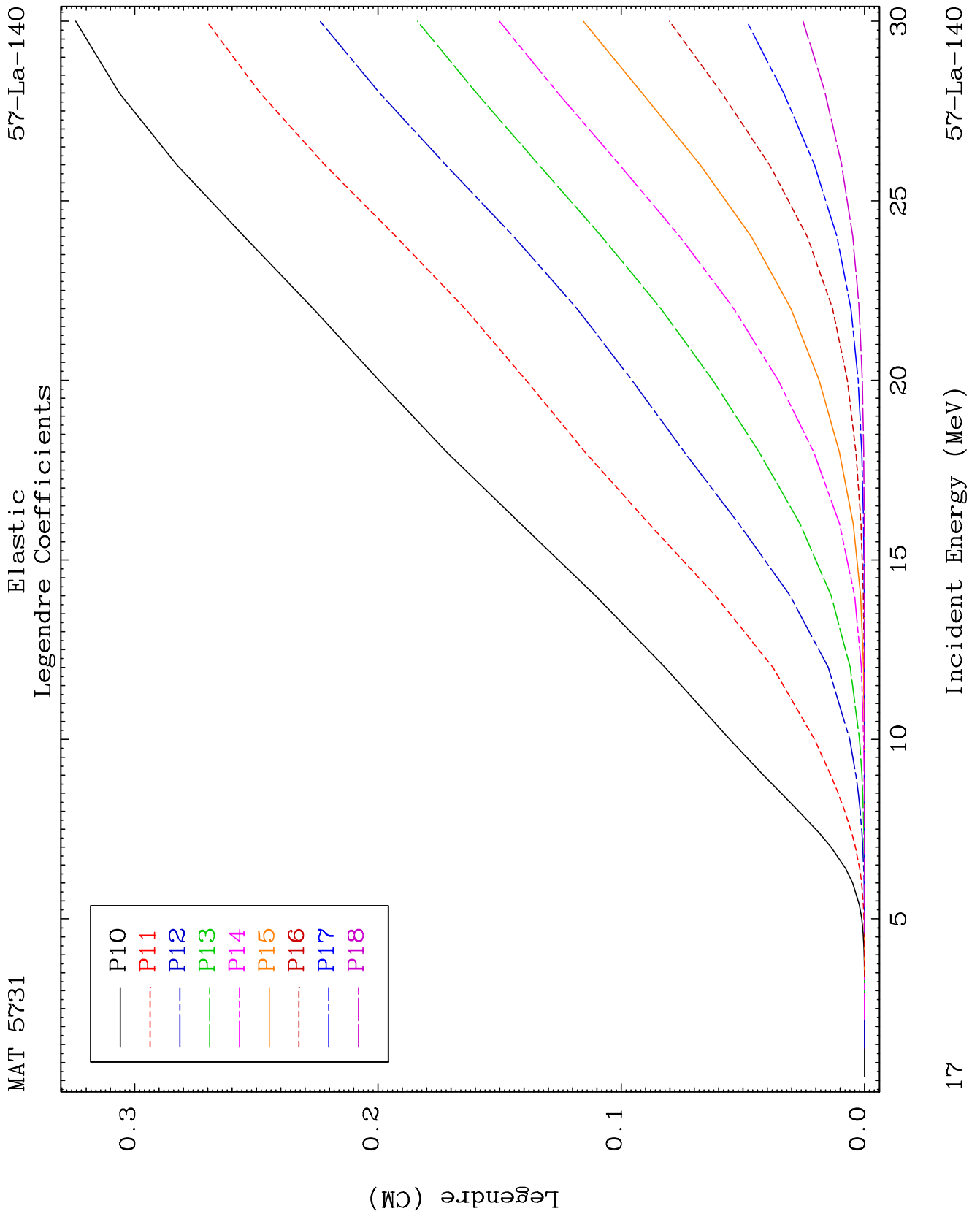
(n,α) Levels
293 Kelvin Cross Sections

57-La-140





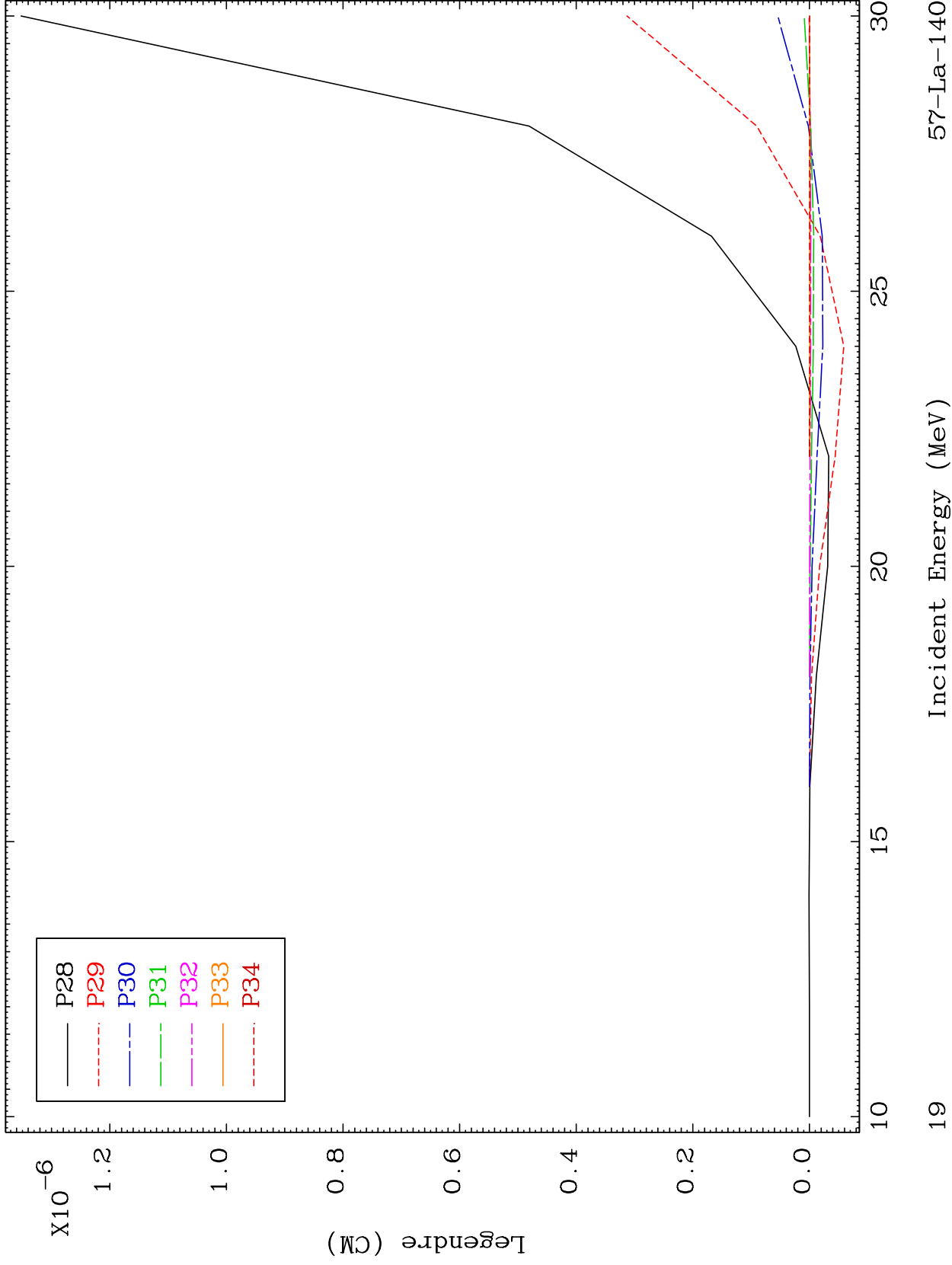




MAT 5731

Elastic
Legendre Coefficients

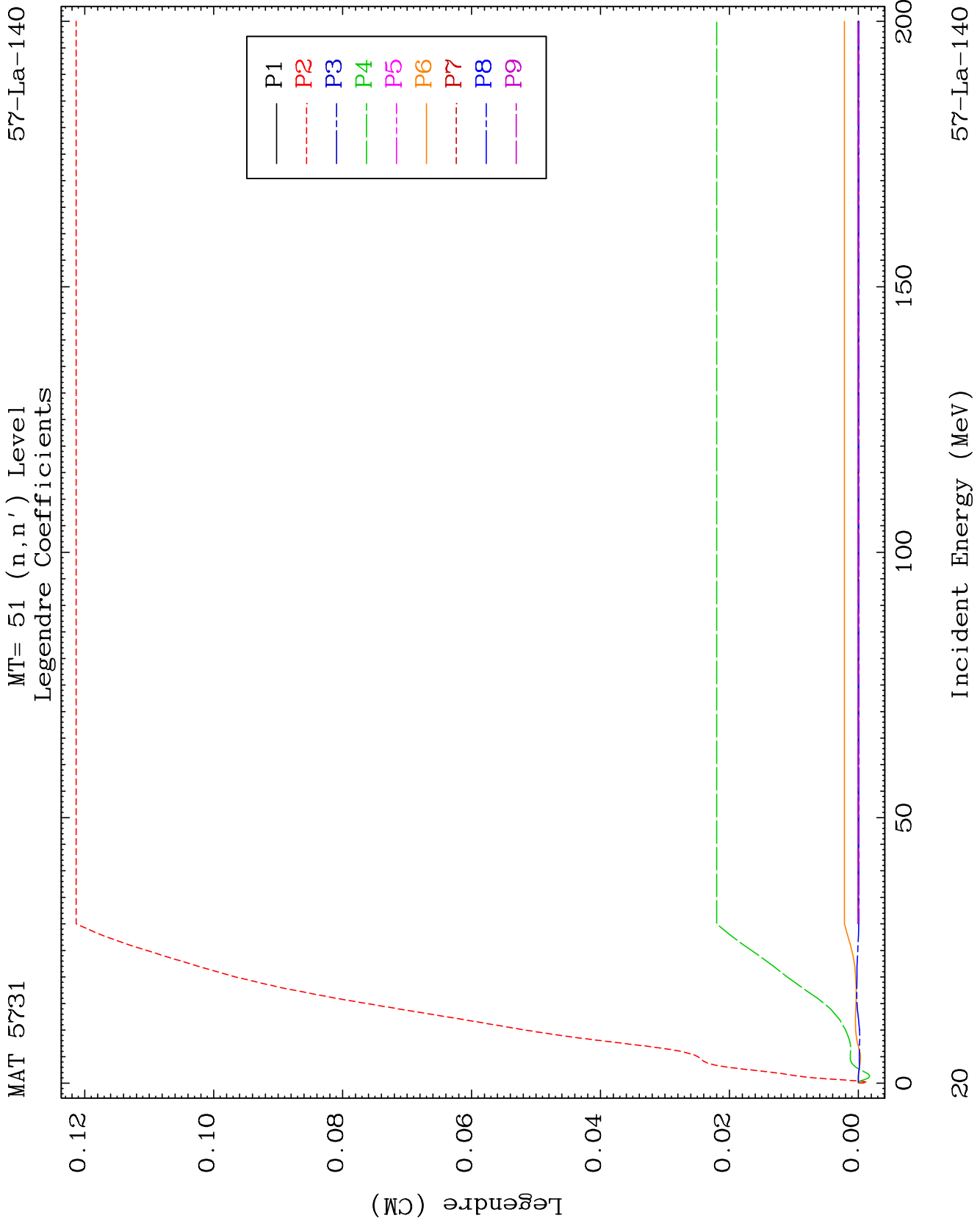
57-La-140



19

Incident Energy (MeV)

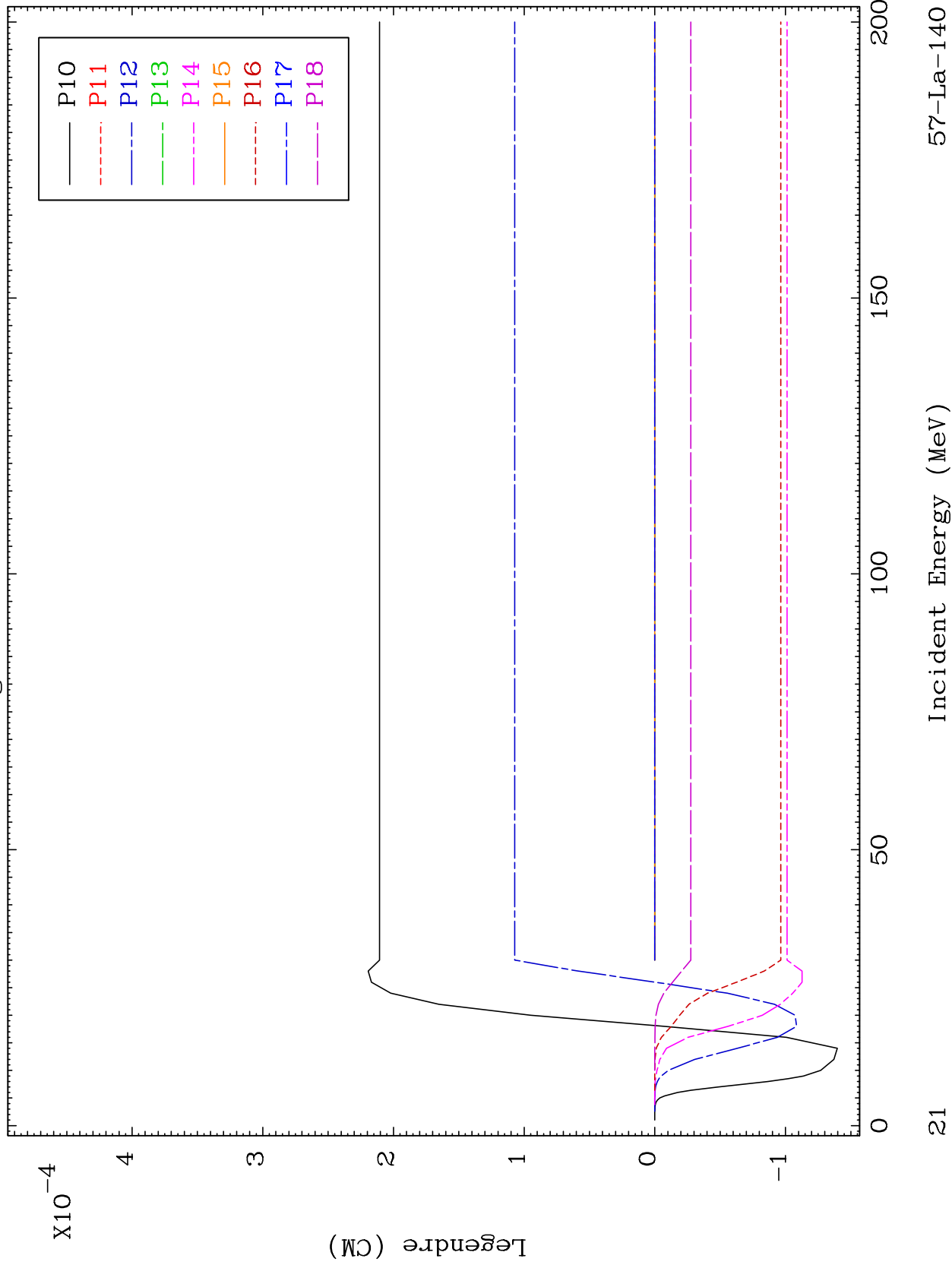
57-La-140



MAT 5731

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

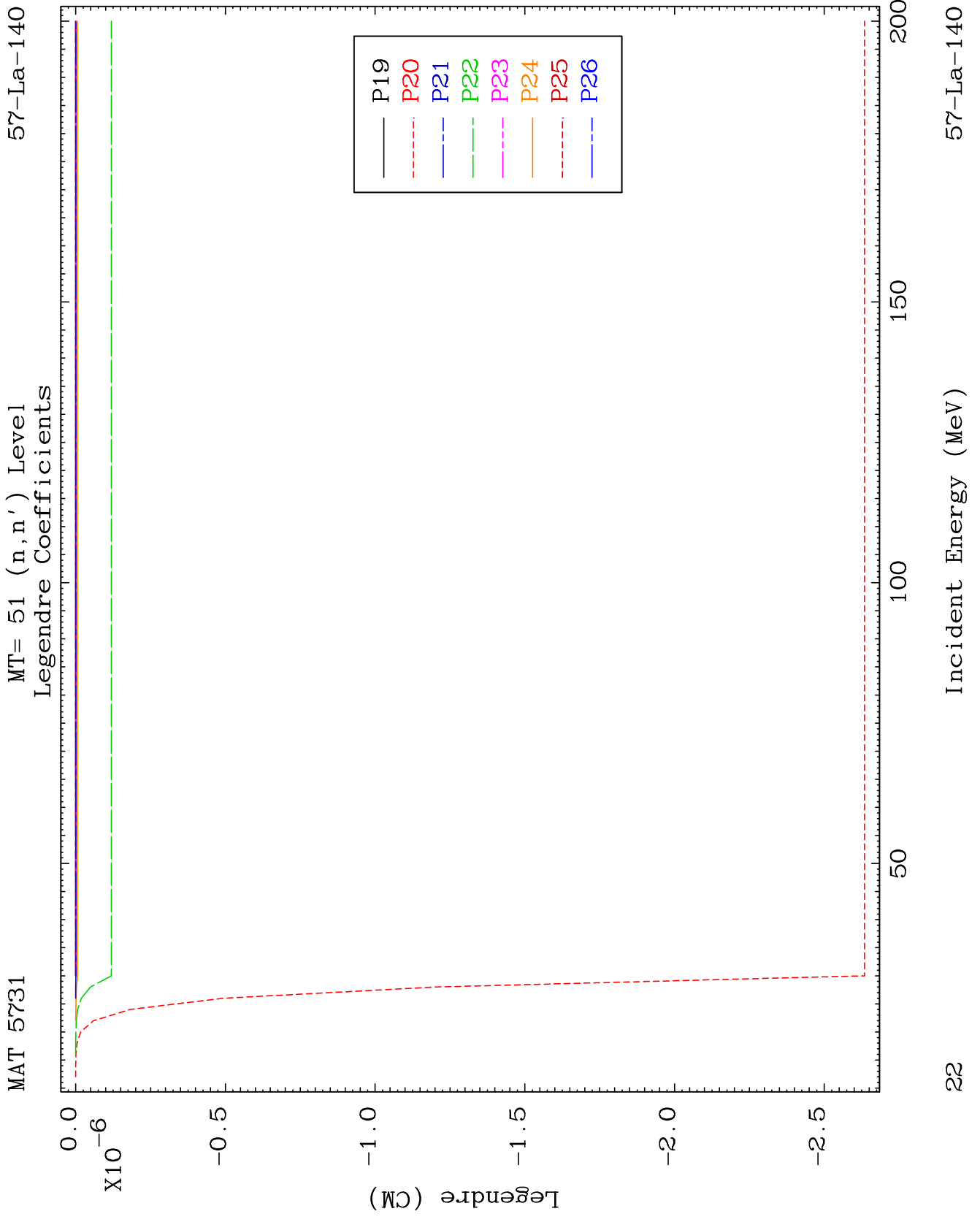
57-La-140



21

Incident Energy (MeV)

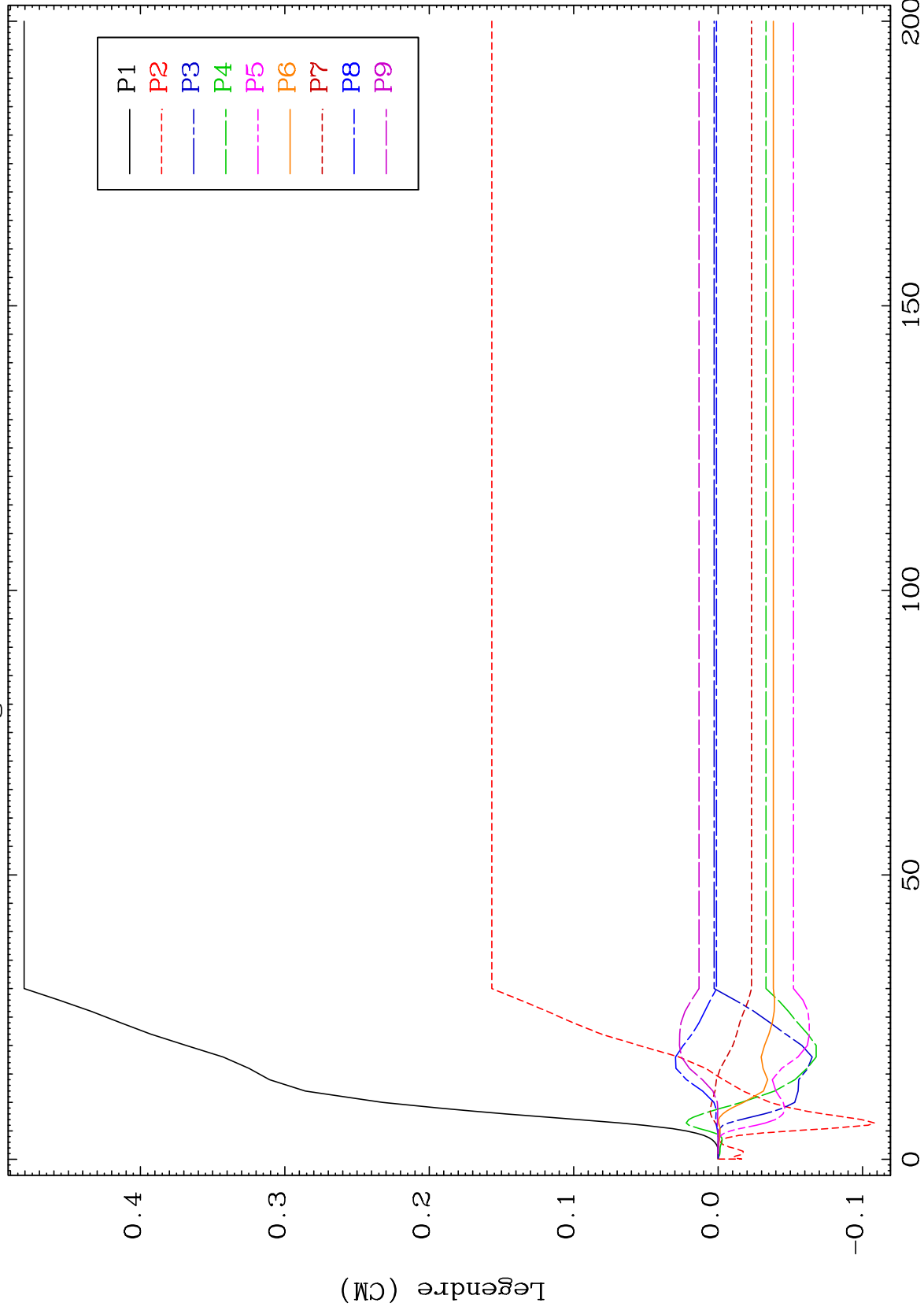
57-La-140



MAT 5731

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

57-La-140



23

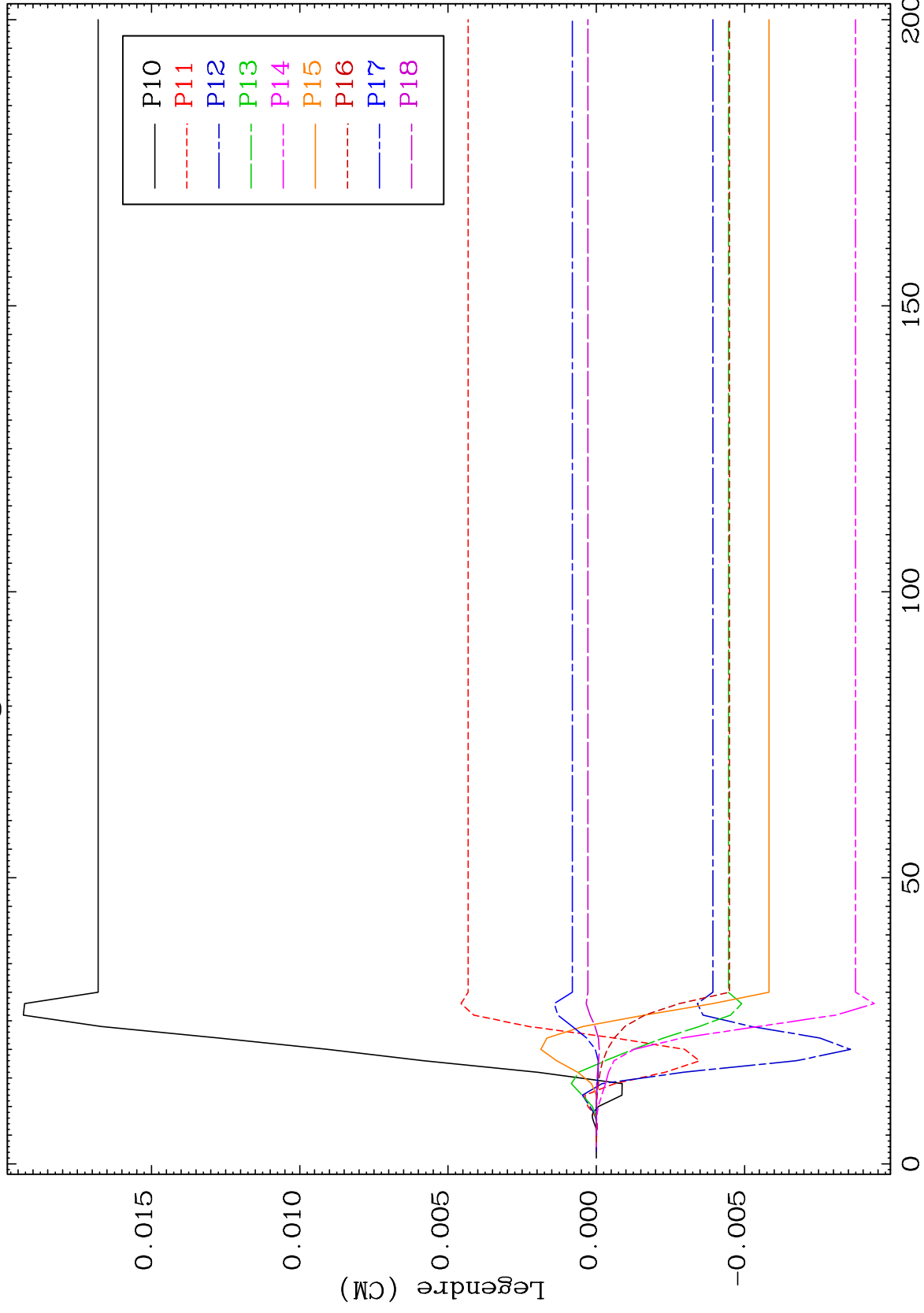
Incident Energy (MeV)

57-La-140

MAT 5731

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

57-La-140



24

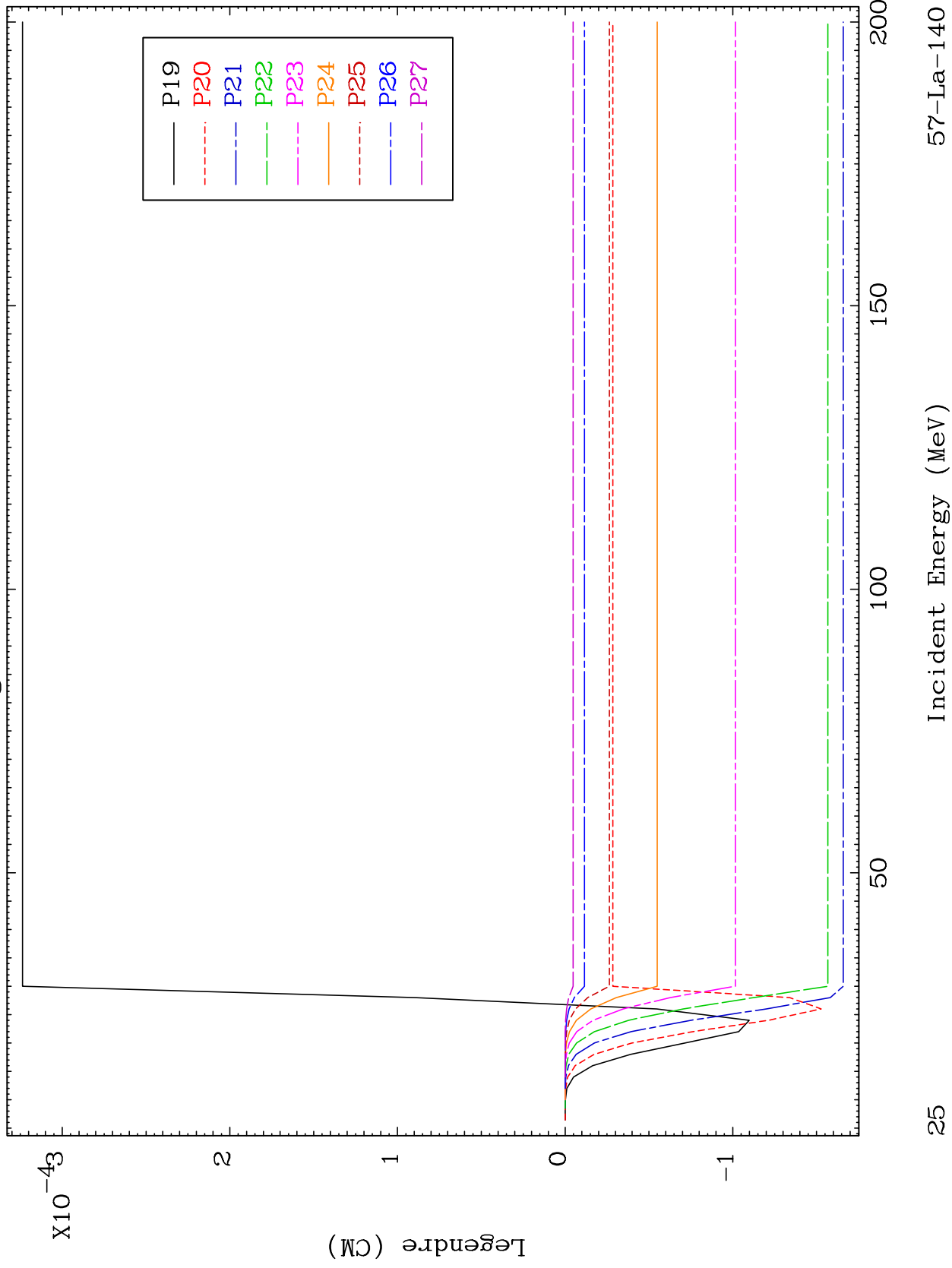
Incident Energy (MeV)

57-La-140

MAT 5731

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

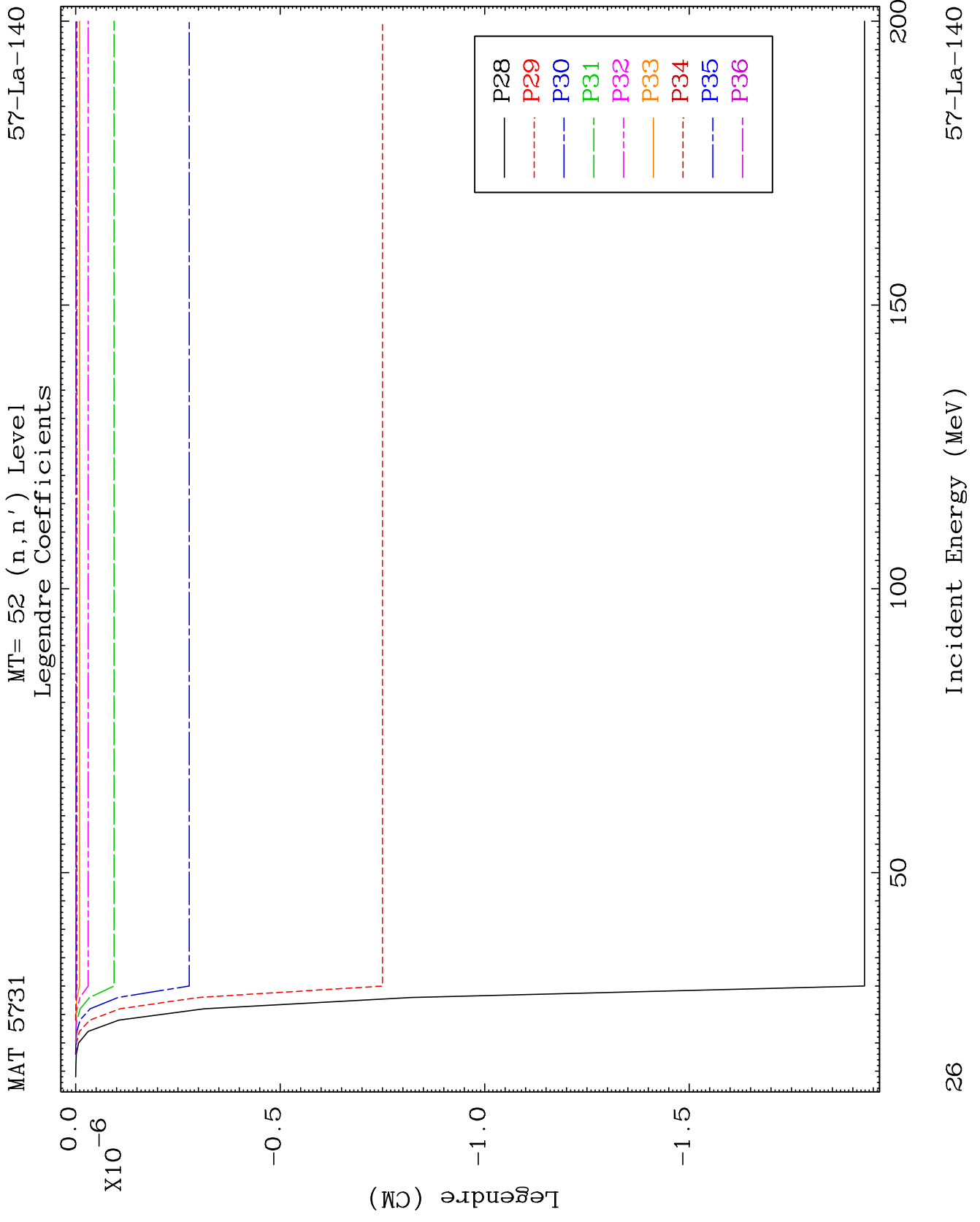
57-La-140



25

Incident Energy (MeV)

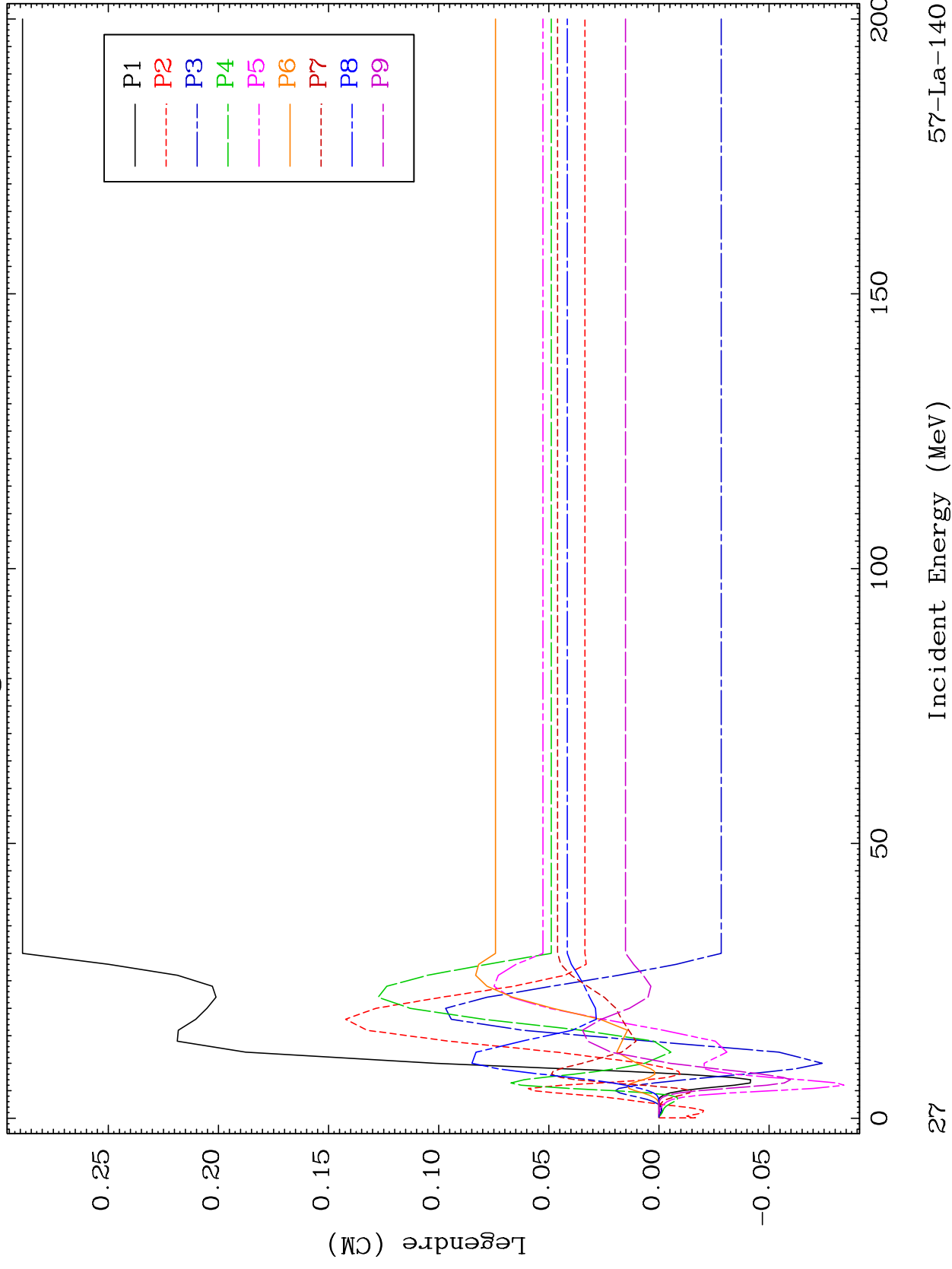
57-La-140



MAT 5731

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

57-La-140



27

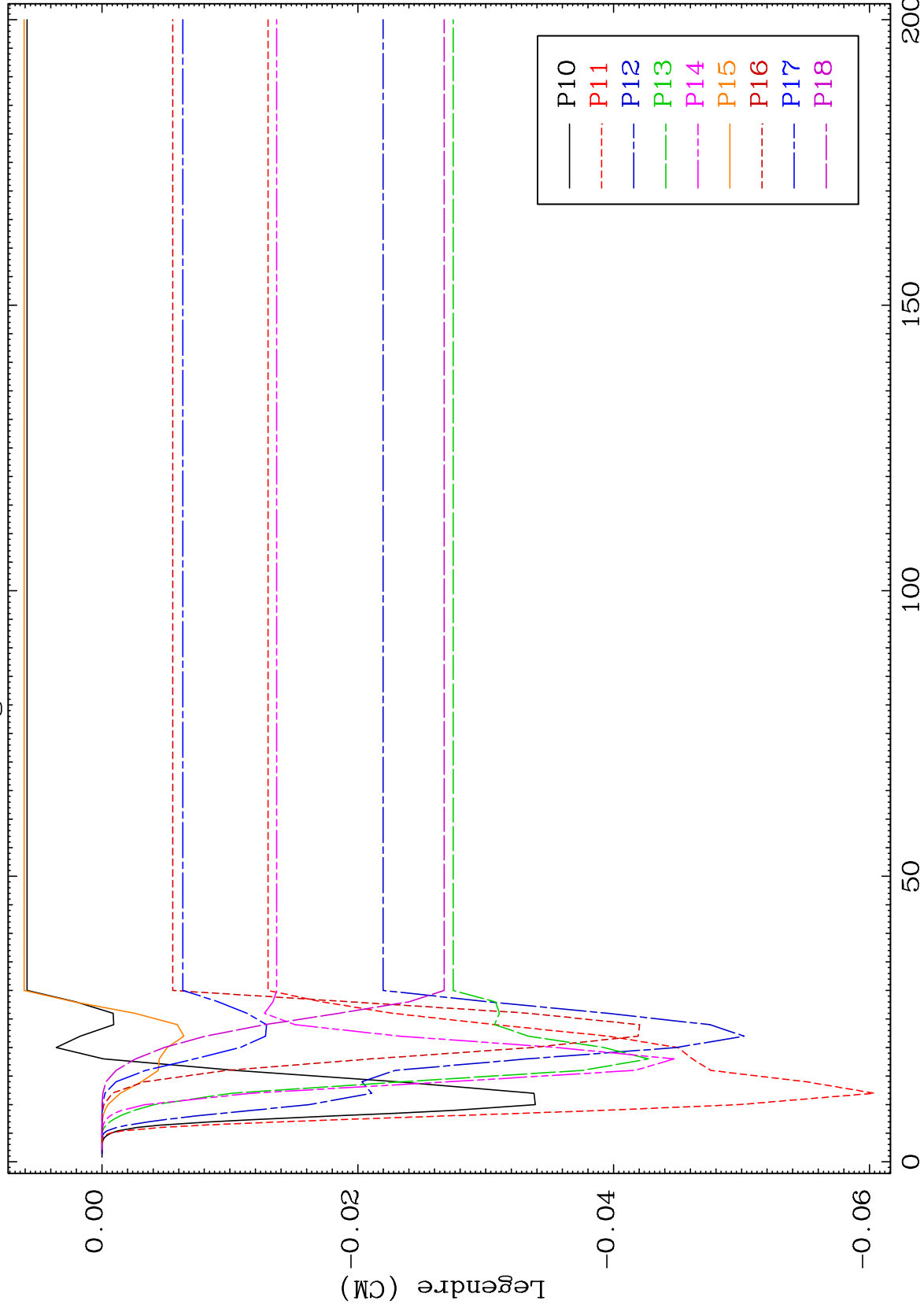
Incident Energy (MeV)

57-La-140

MAT 5731

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

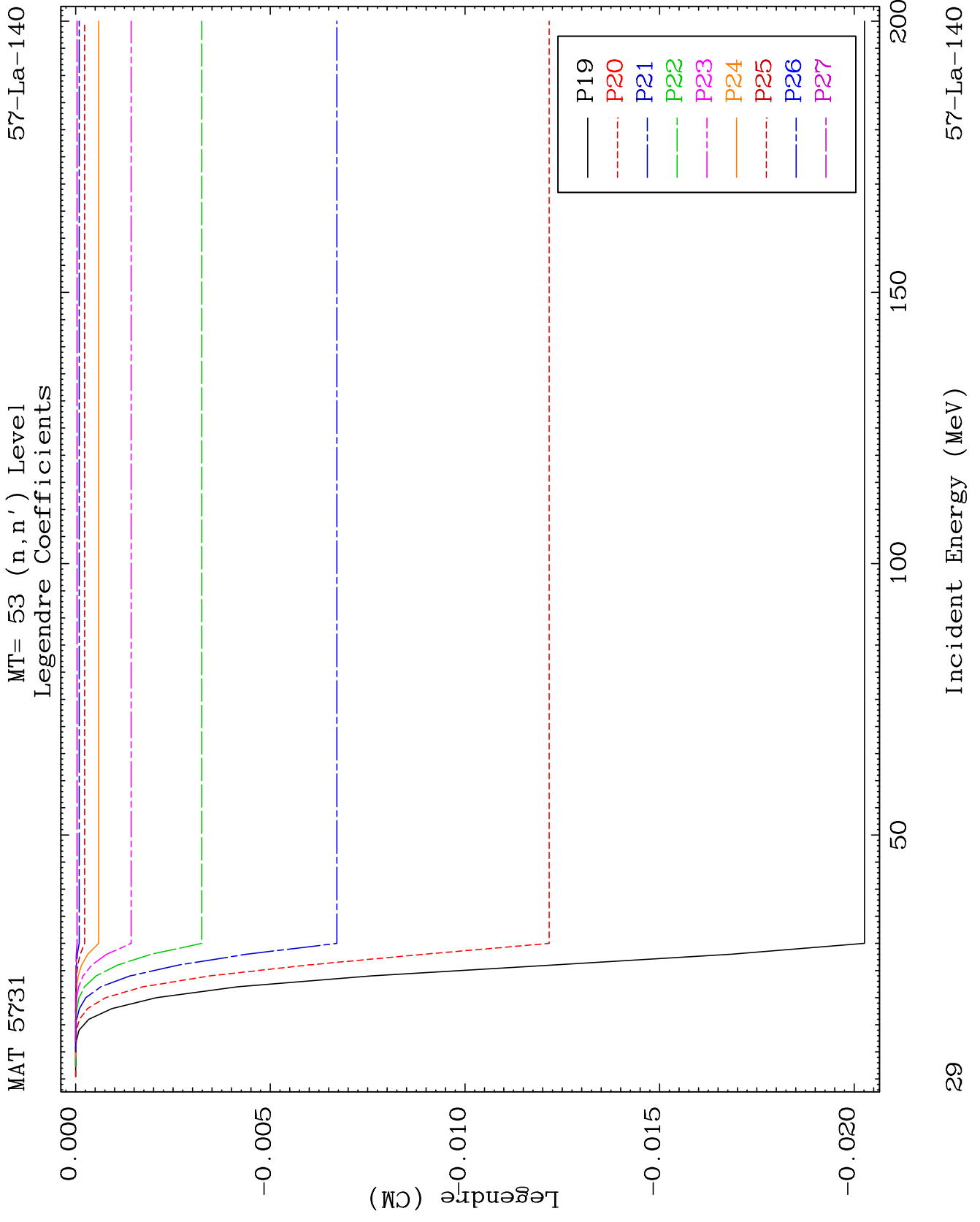
57-La-140

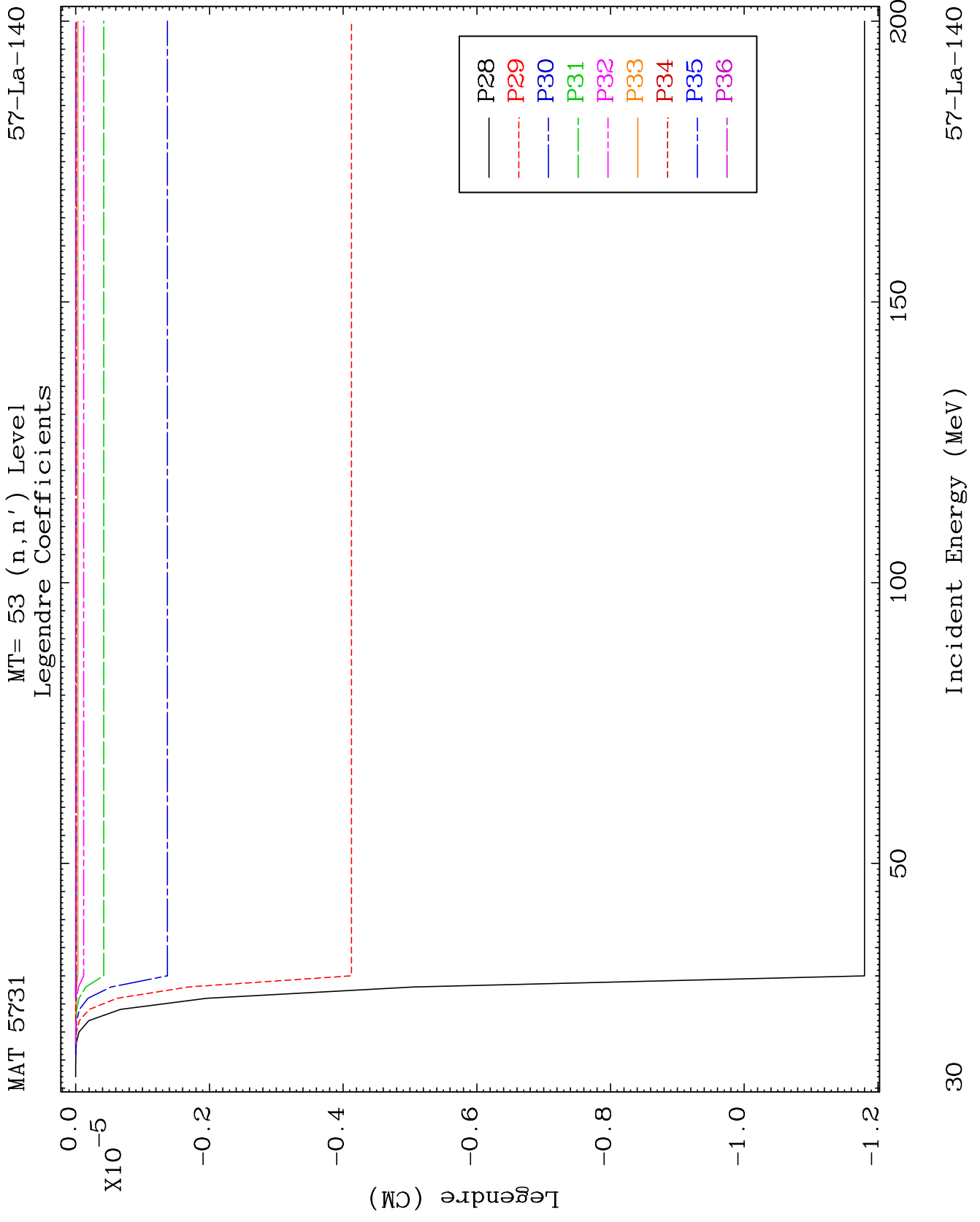


28

Incident Energy (MeV)

57-La-140

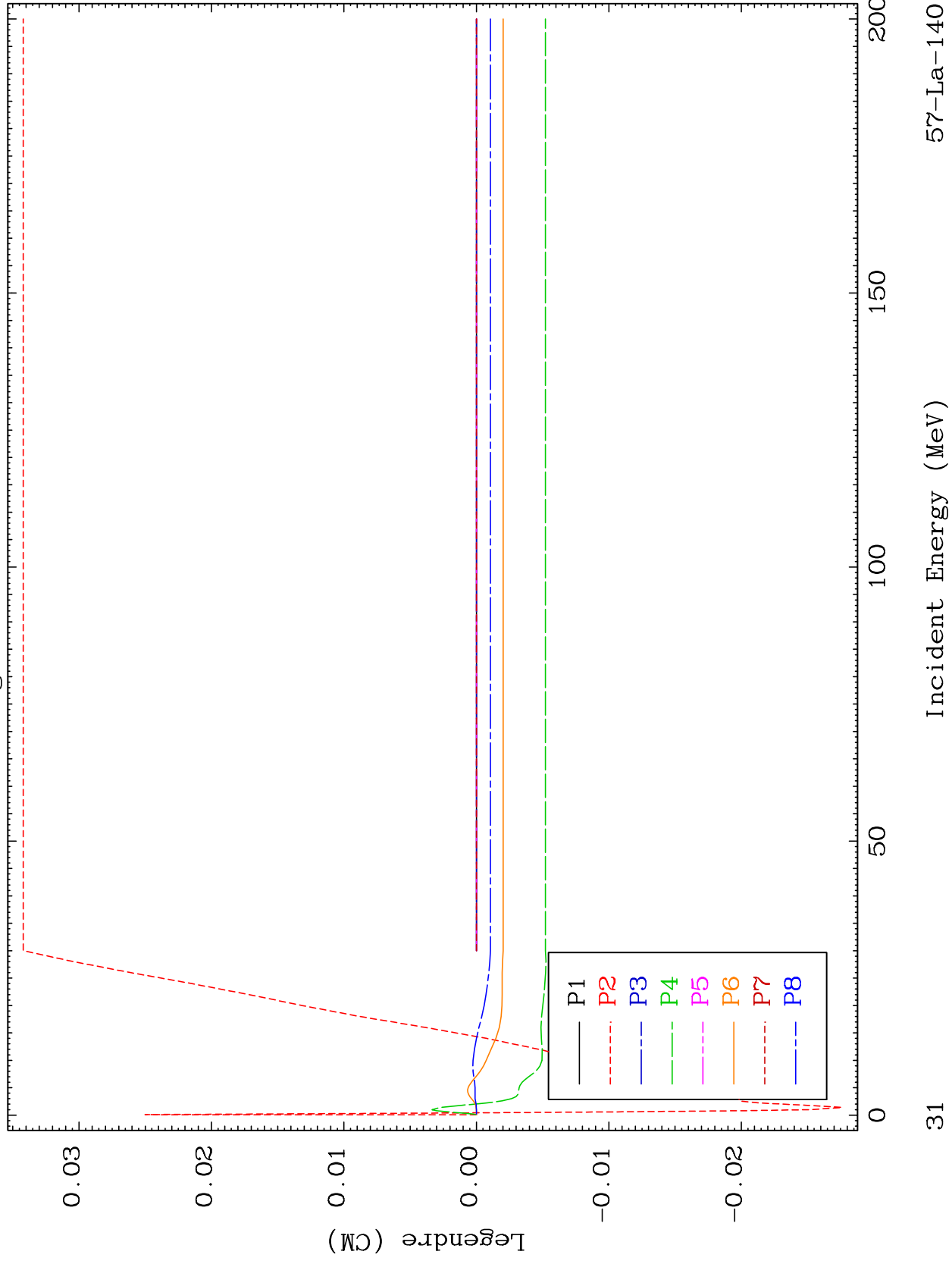




MAT 5731

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

57-La-140



31

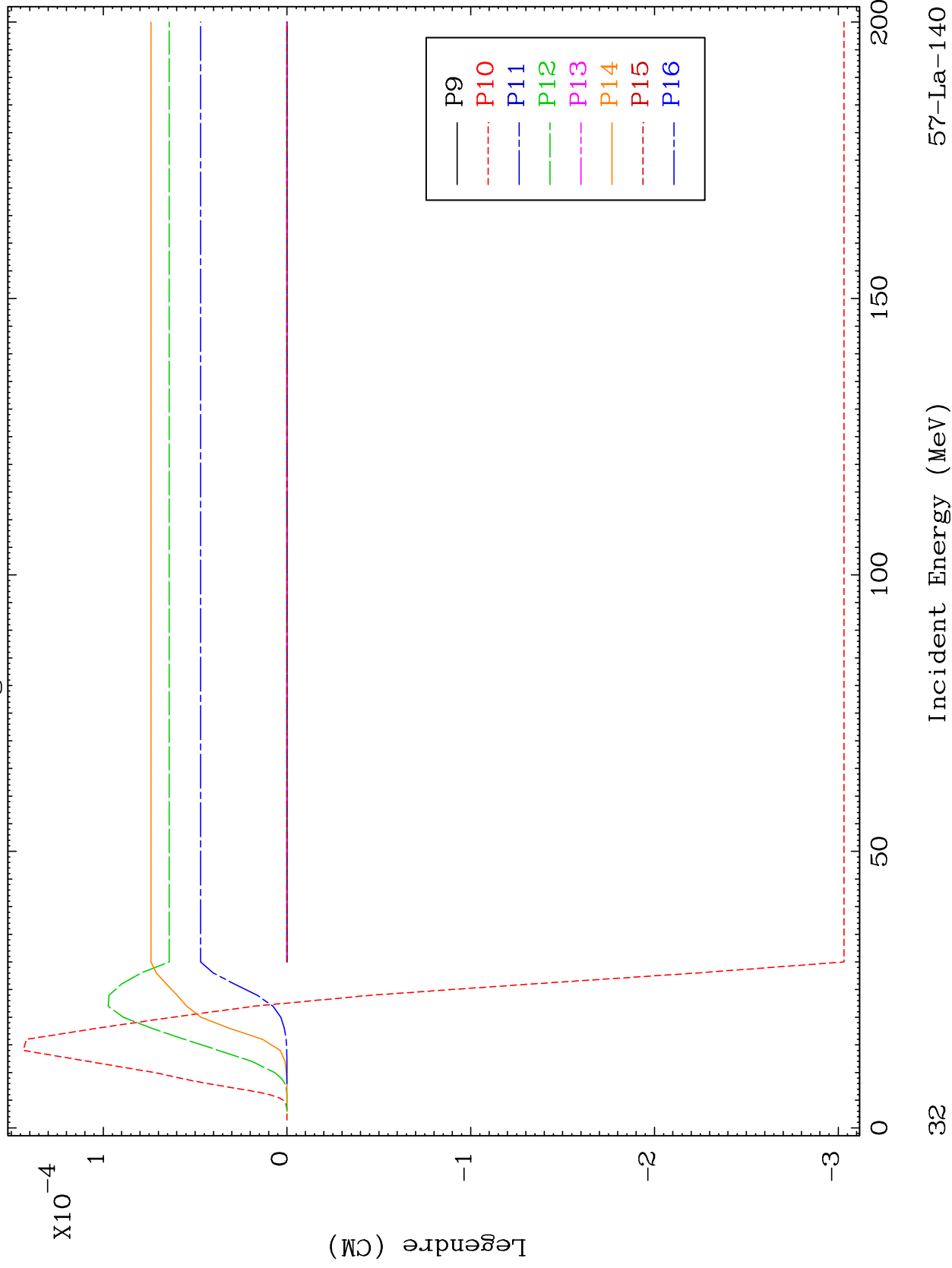
Incident Energy (MeV)

57-La-140

MAT 5731

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

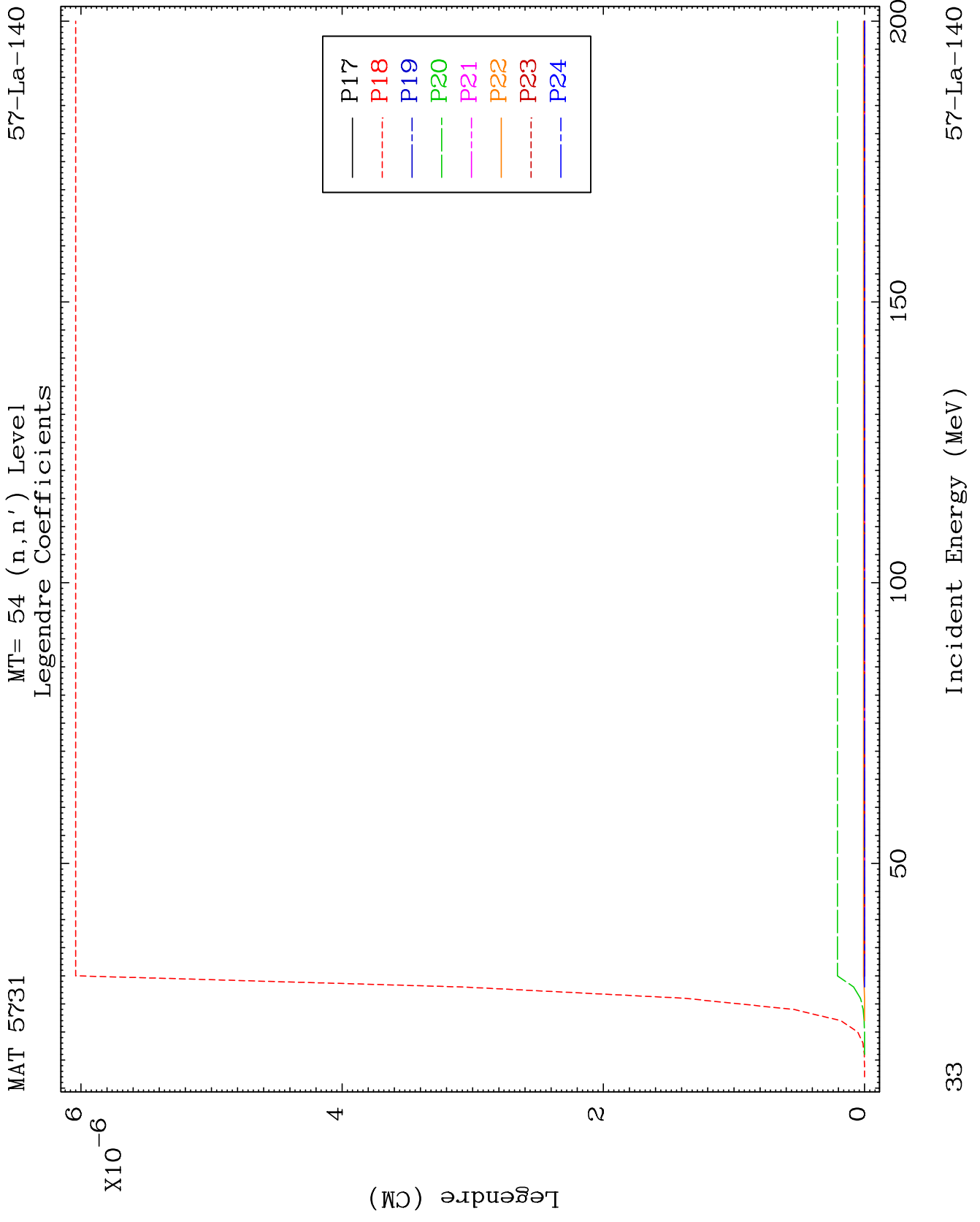
57-La-140

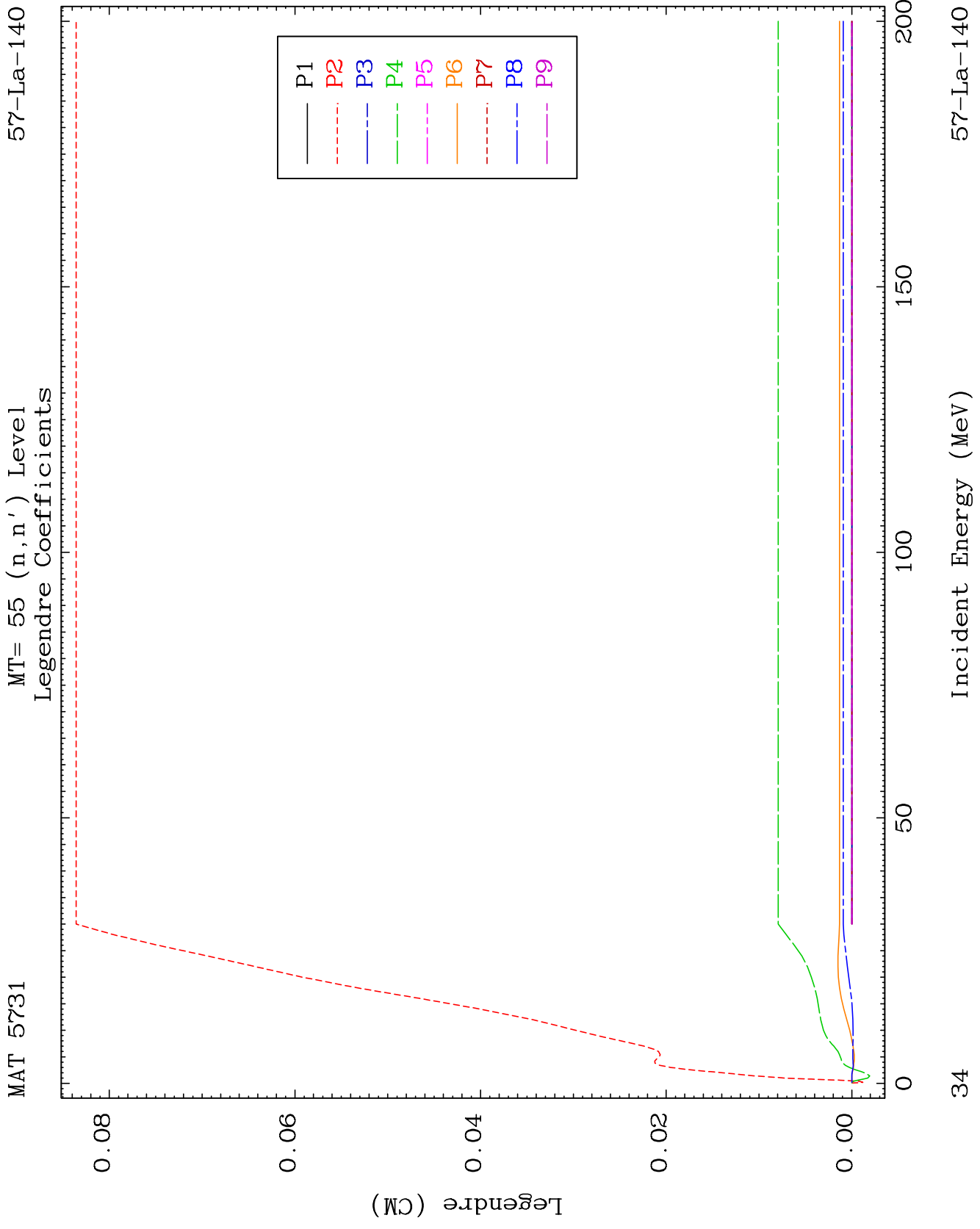


57-La-140

Incident Energy (MeV)

32

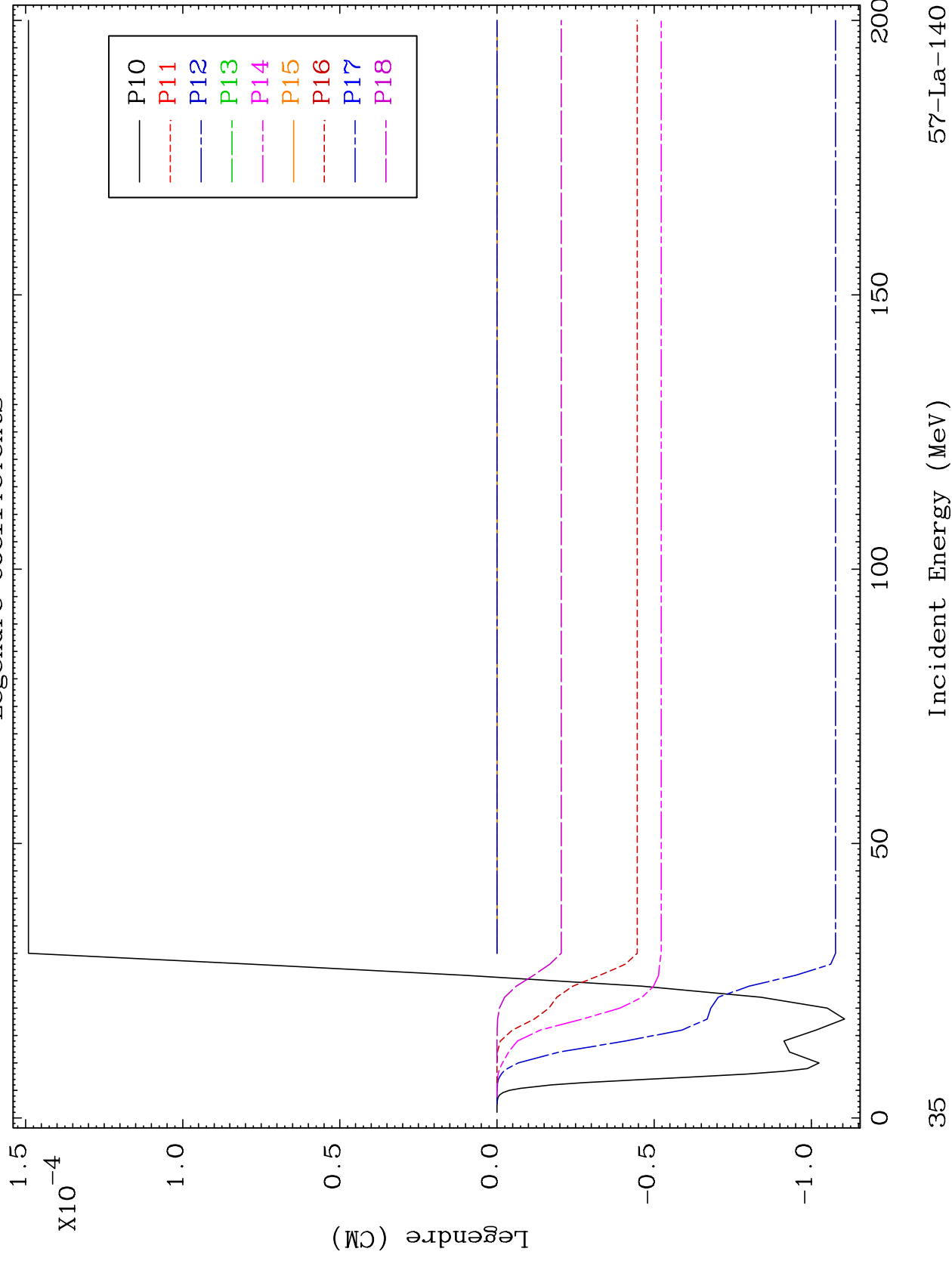




MAT 5731

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

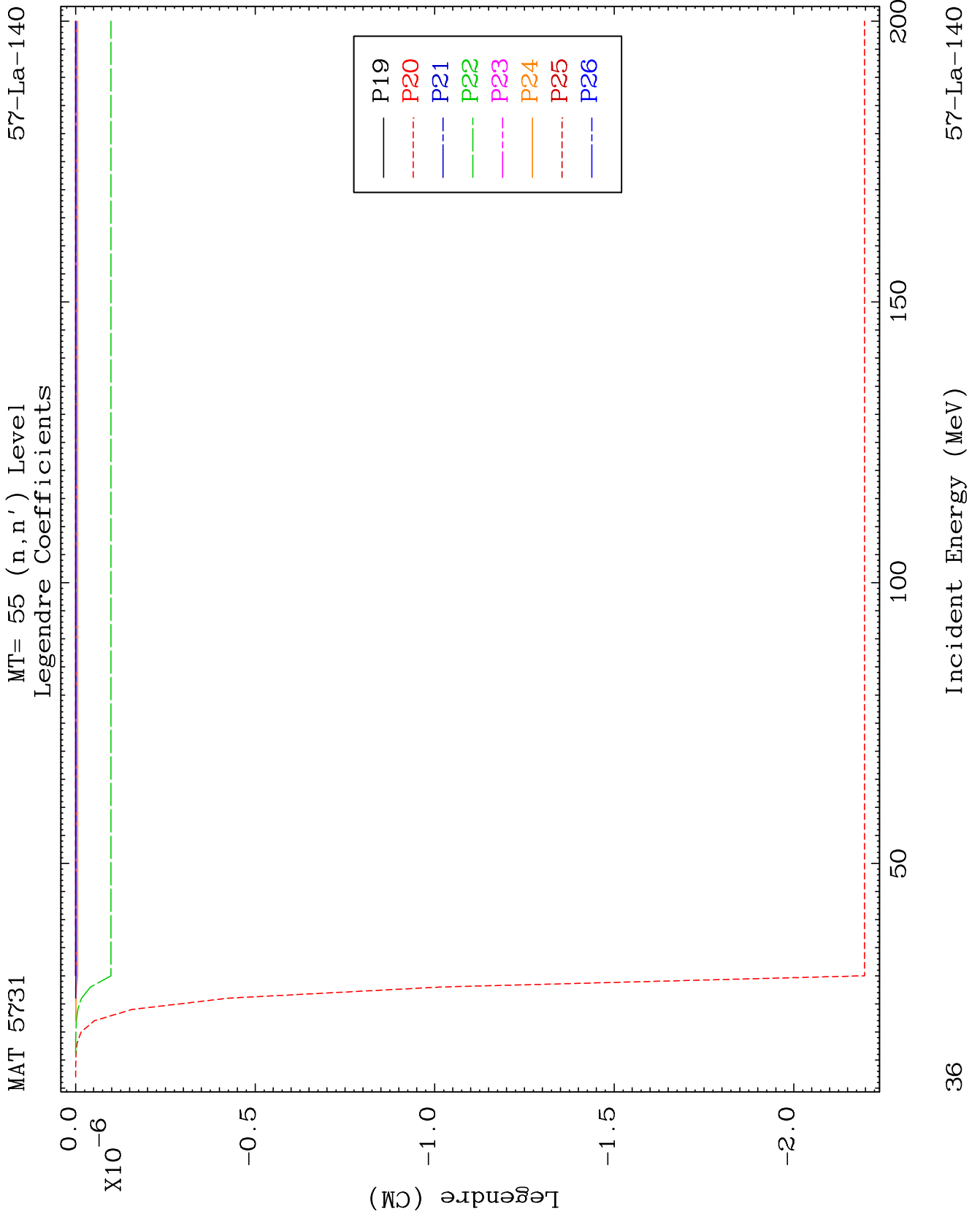
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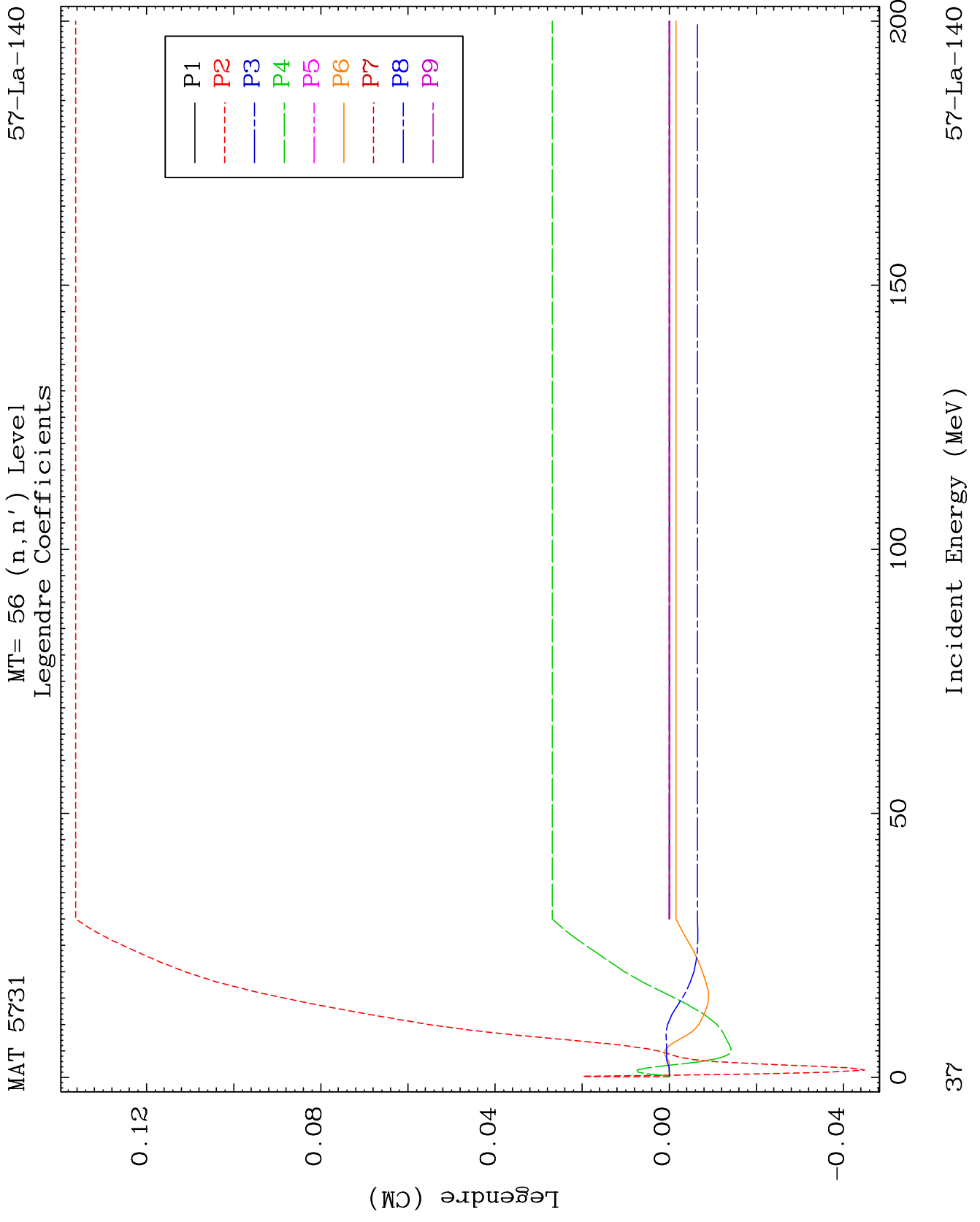


57-La-140

Incident Energy (MeV)

35

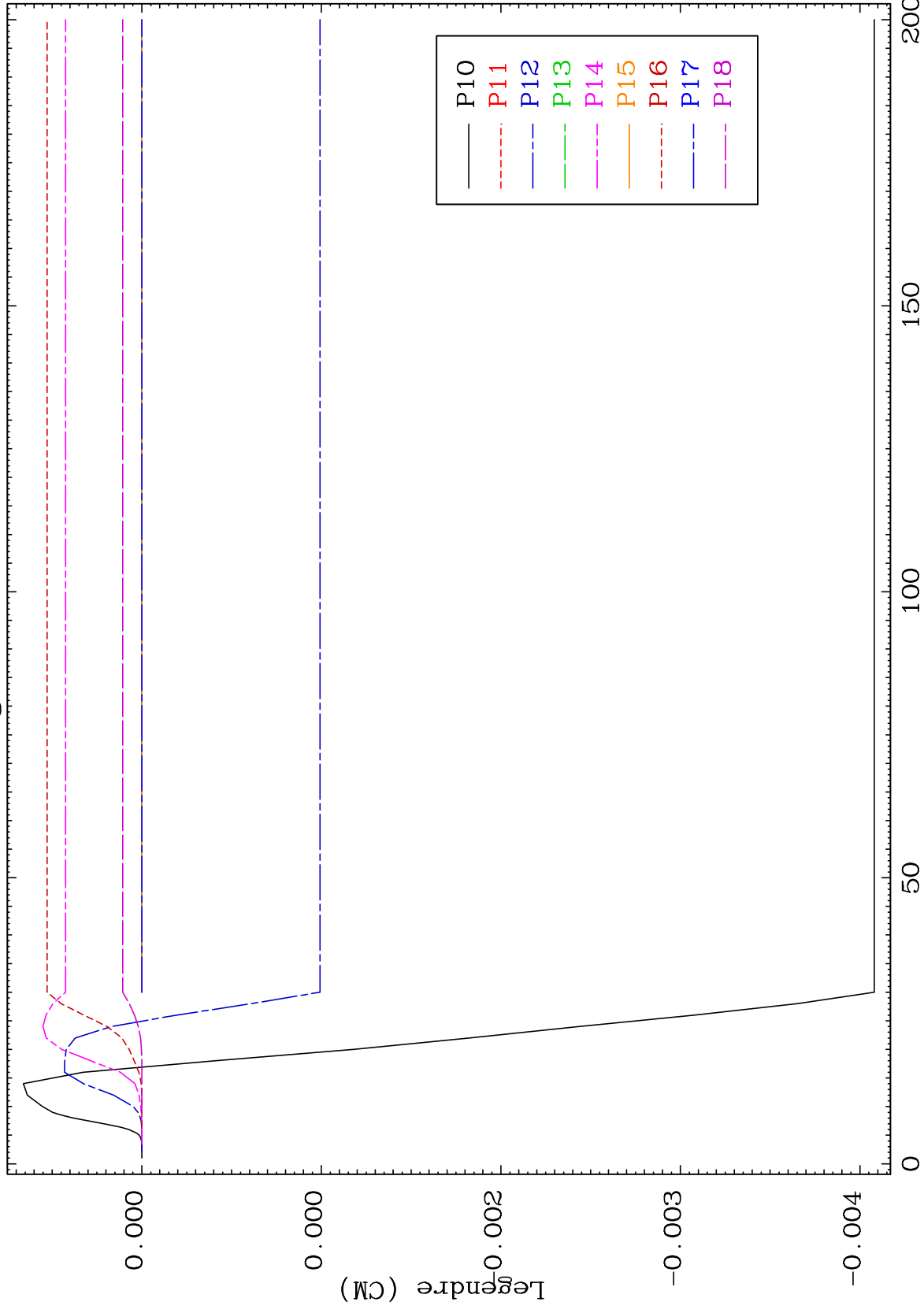




MAT 5731

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

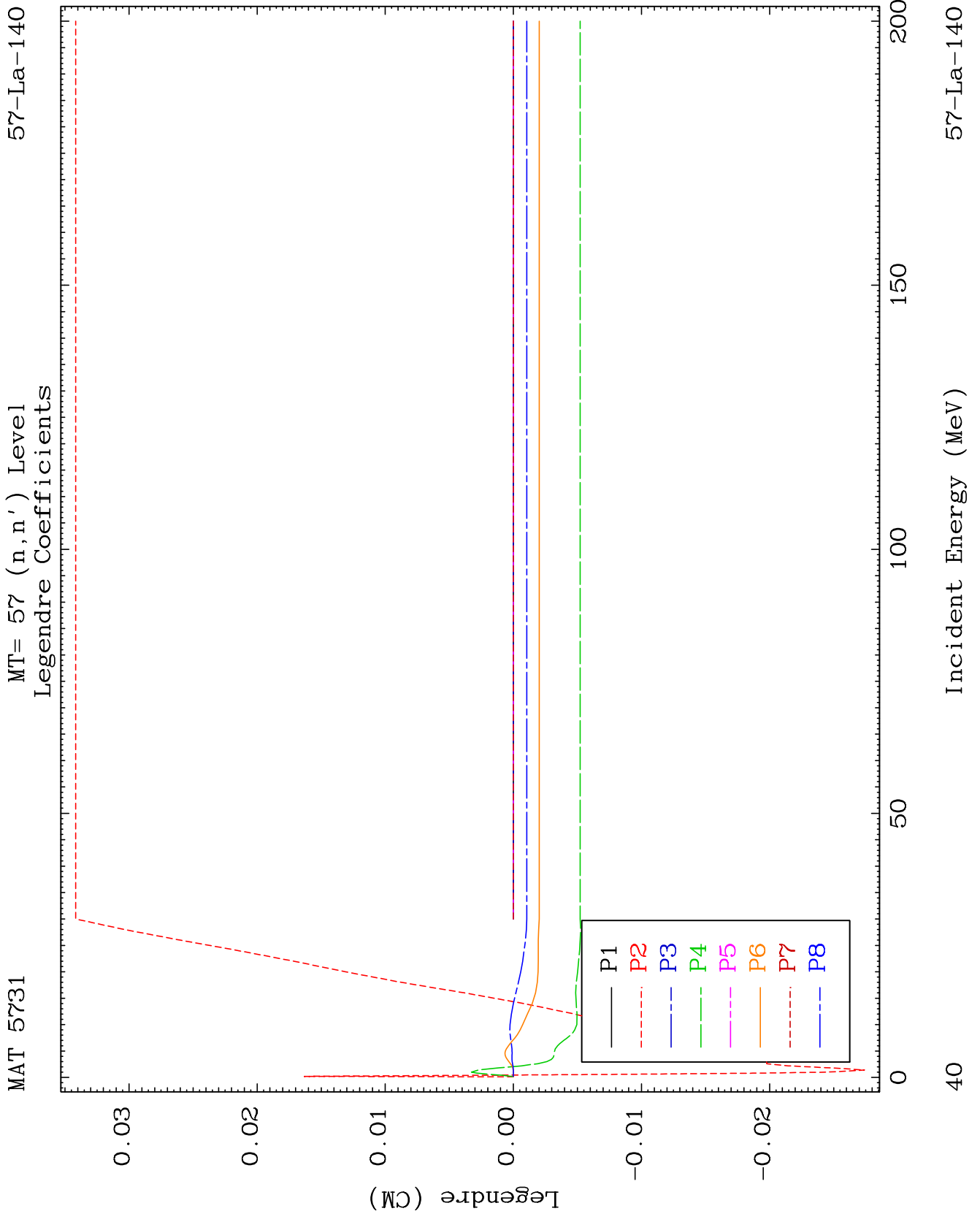
57-La-140



38

Incident Energy (MeV)

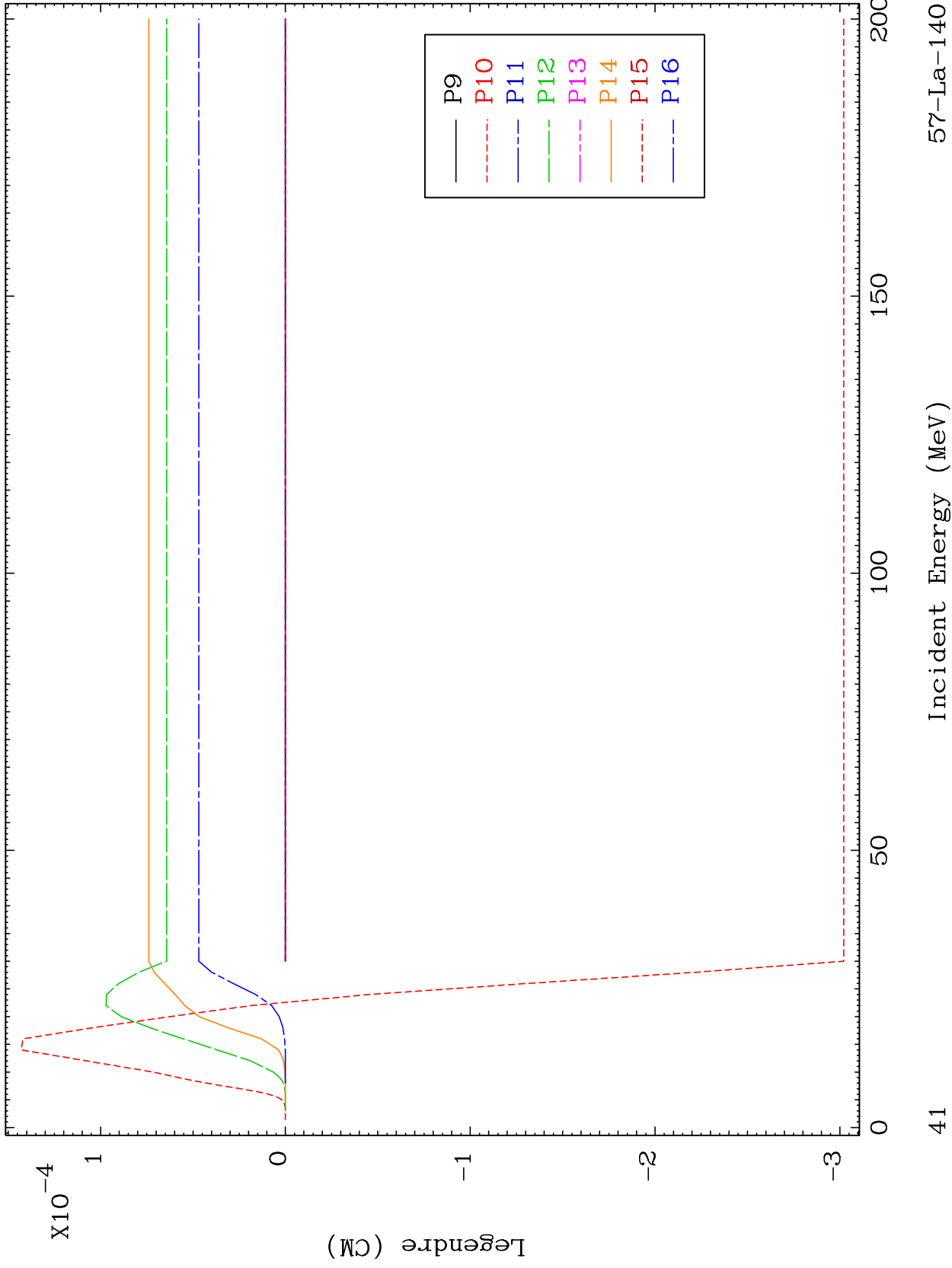
57-La-140



MAT 5731

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

57-La-140



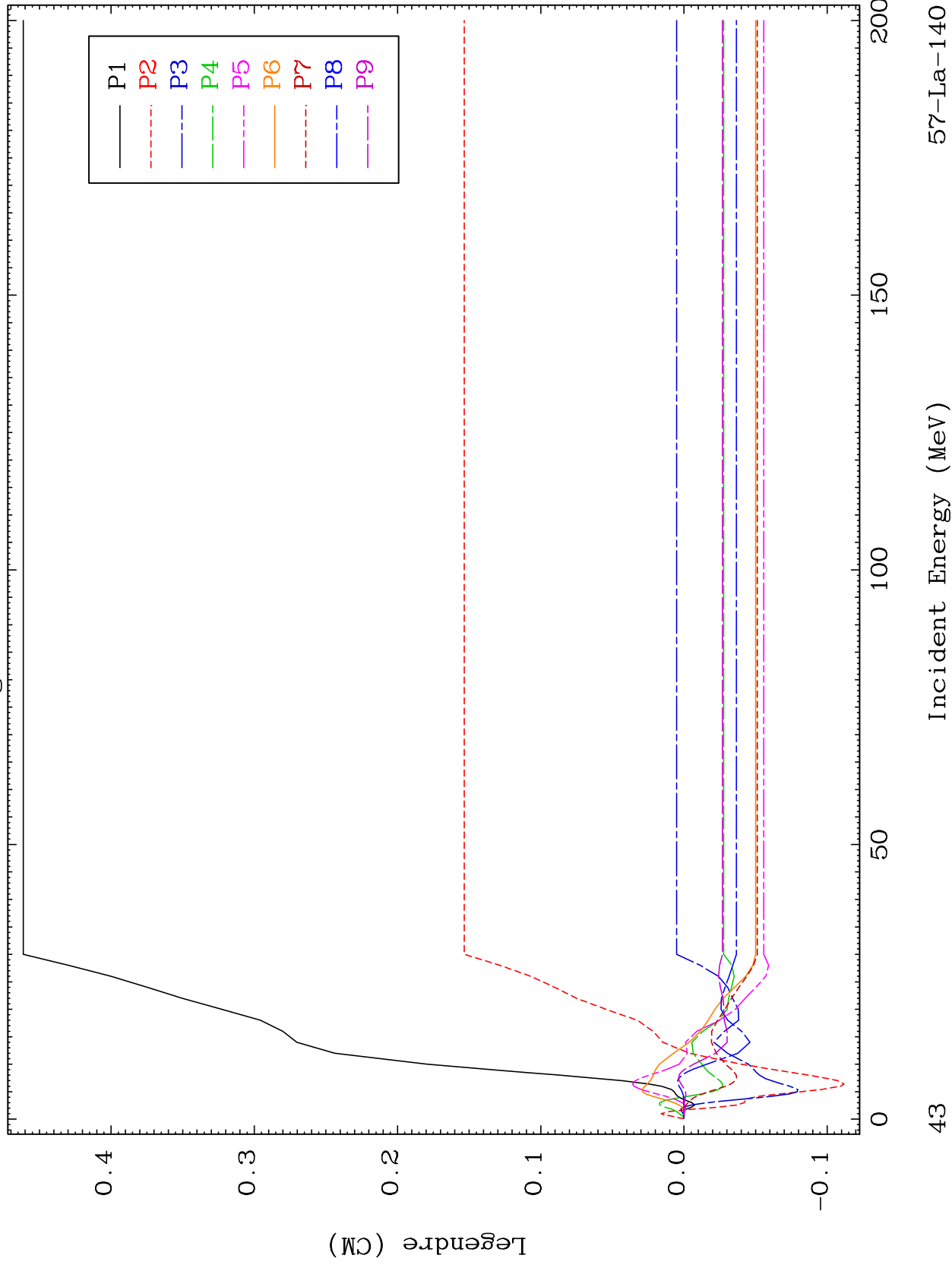
41

57-La-140

MAT 5731

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

57-La-140



57-La-140

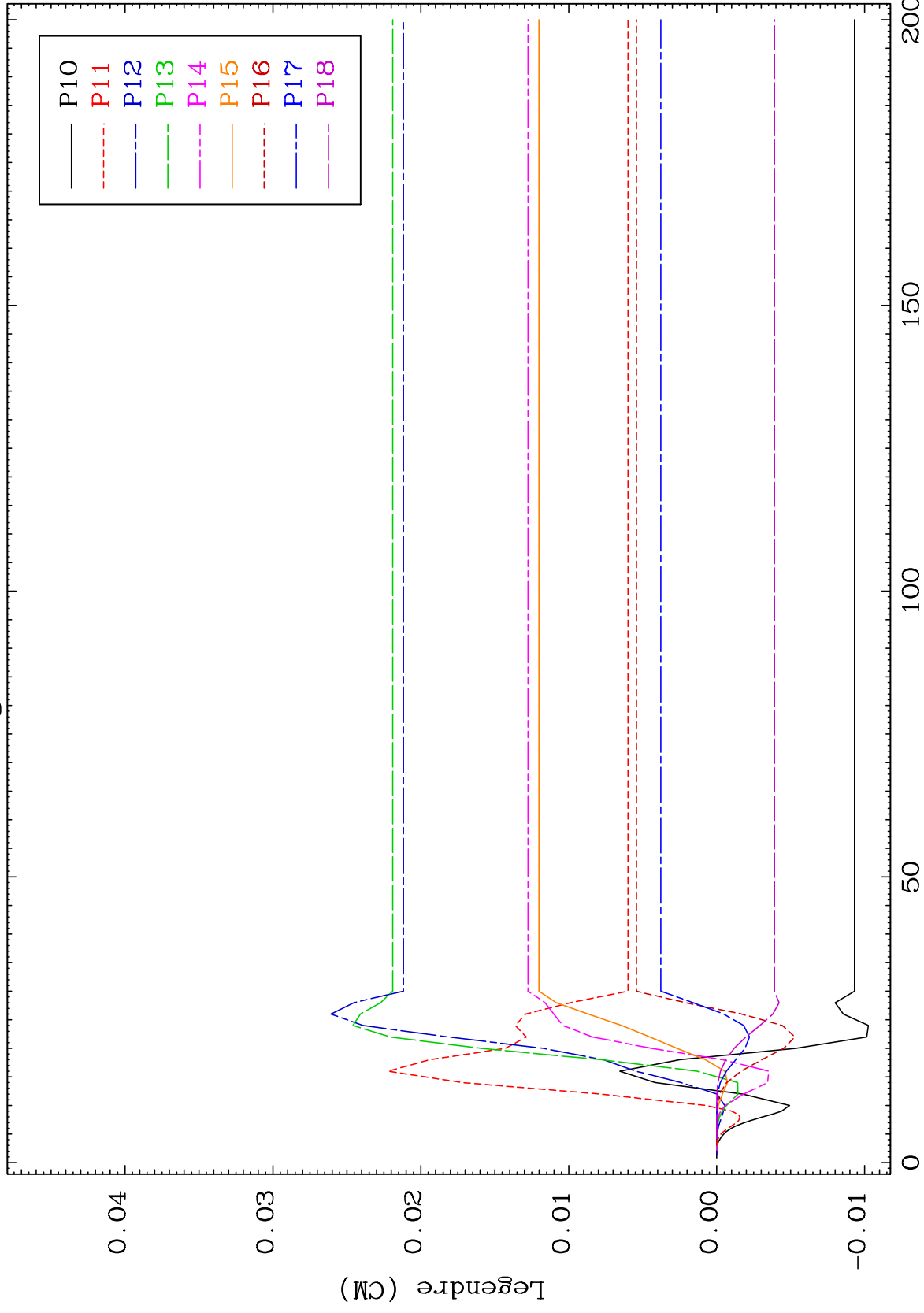
Incident Energy (MeV)

43

MAT 5731

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

57-La-140



44

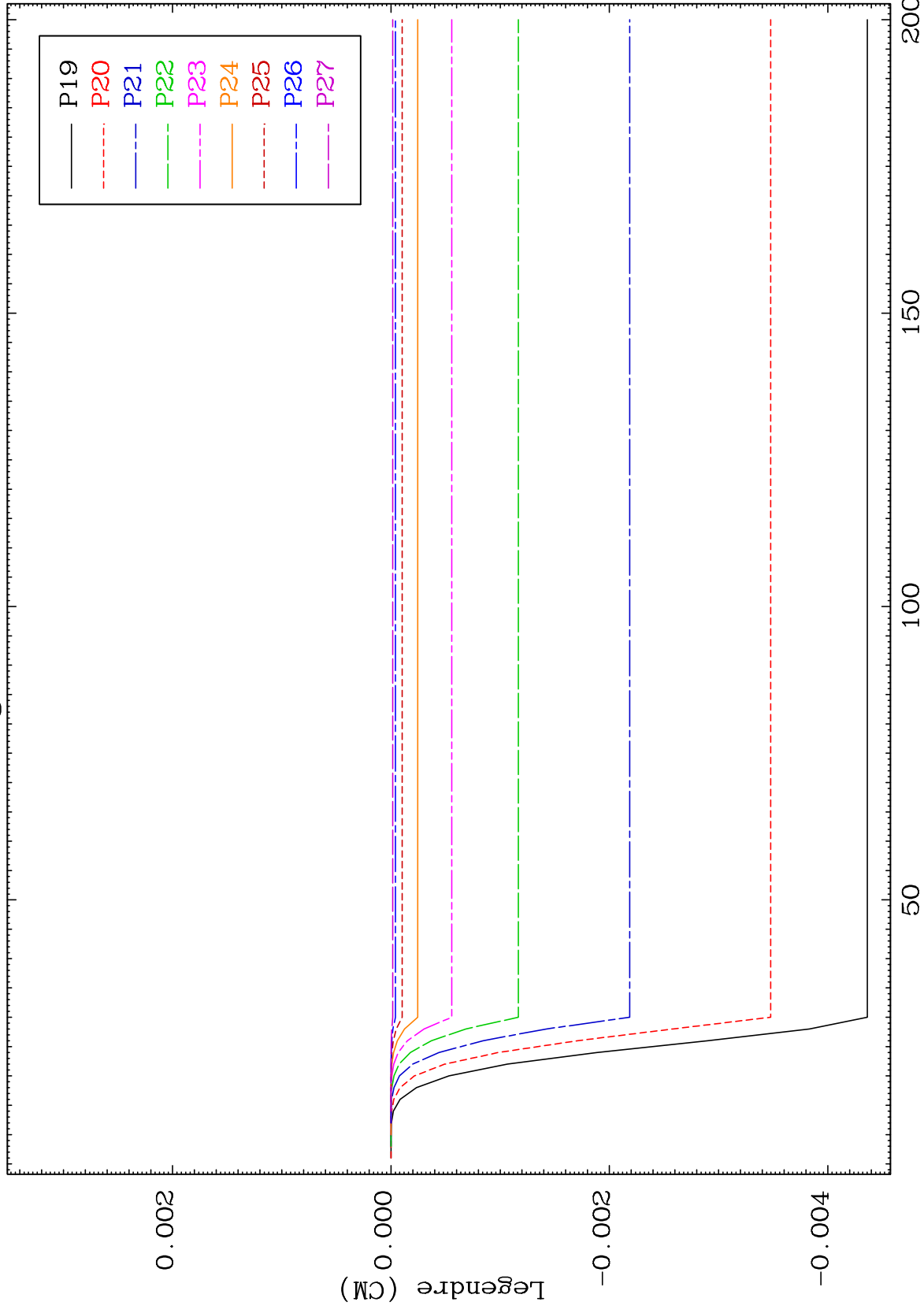
Incident Energy (MeV)

57-La-140

MAT 5731

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

57-La-140



45

Incident Energy (MeV)

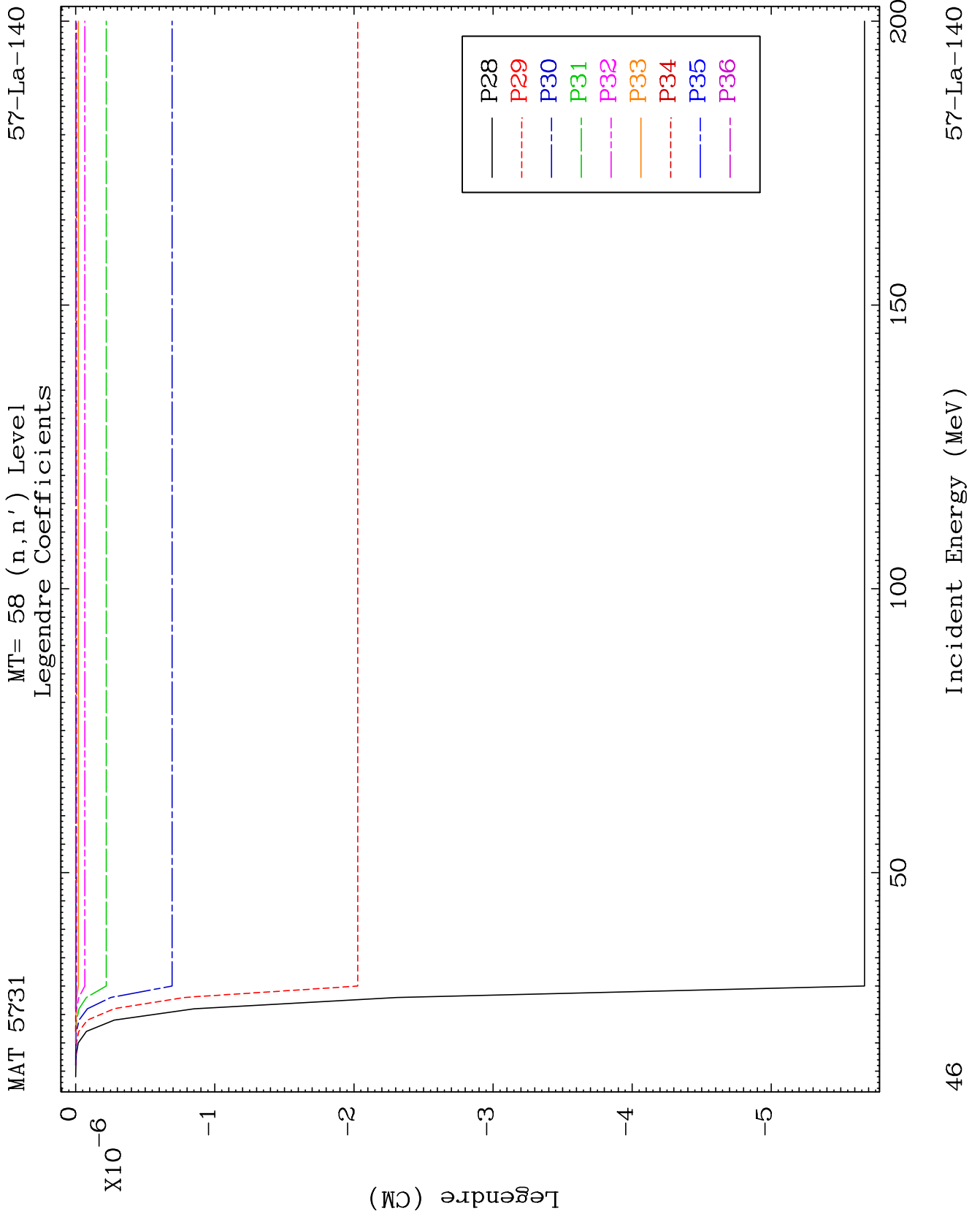
50

100

150

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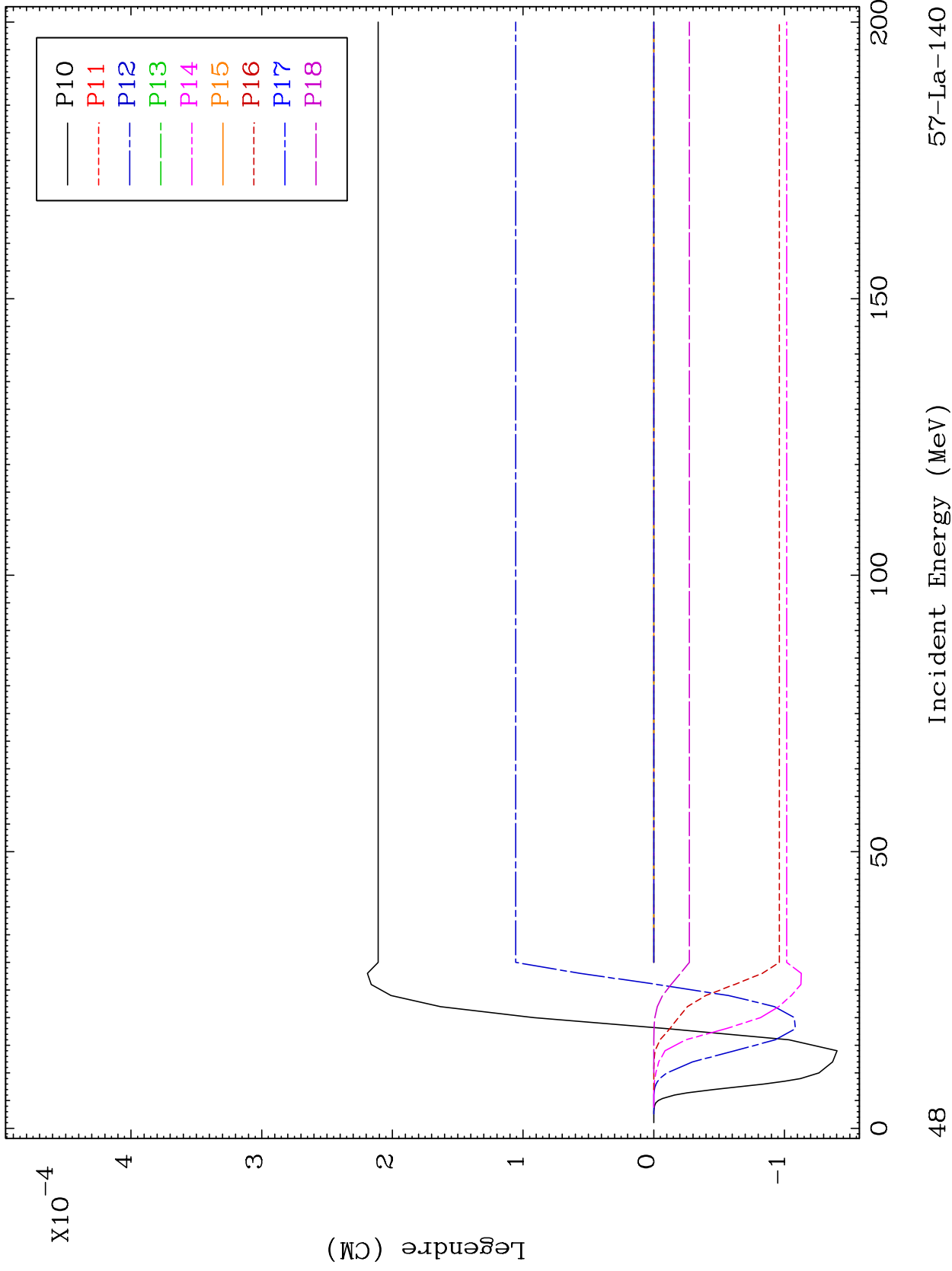
57-La-140



MAT 5731

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

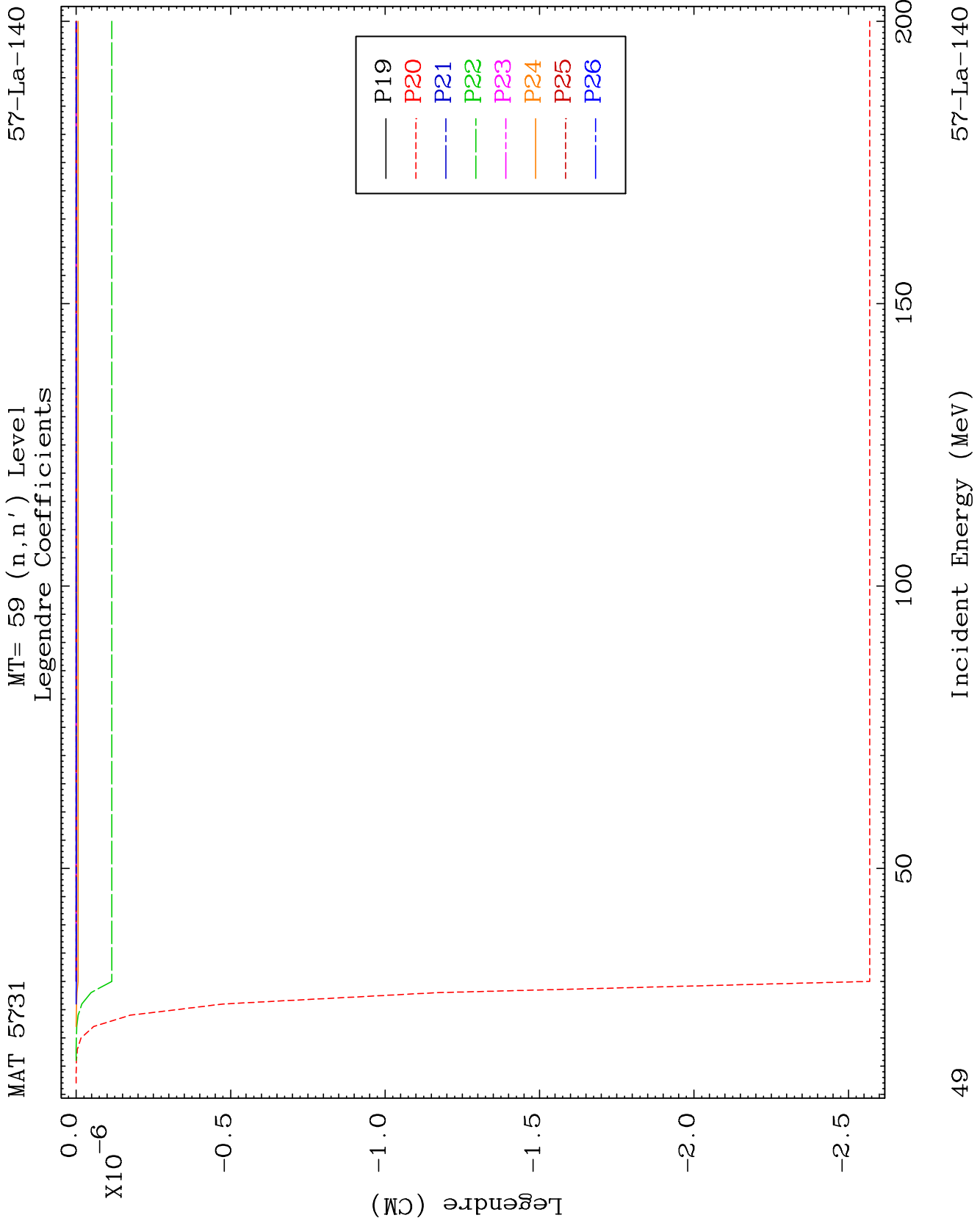
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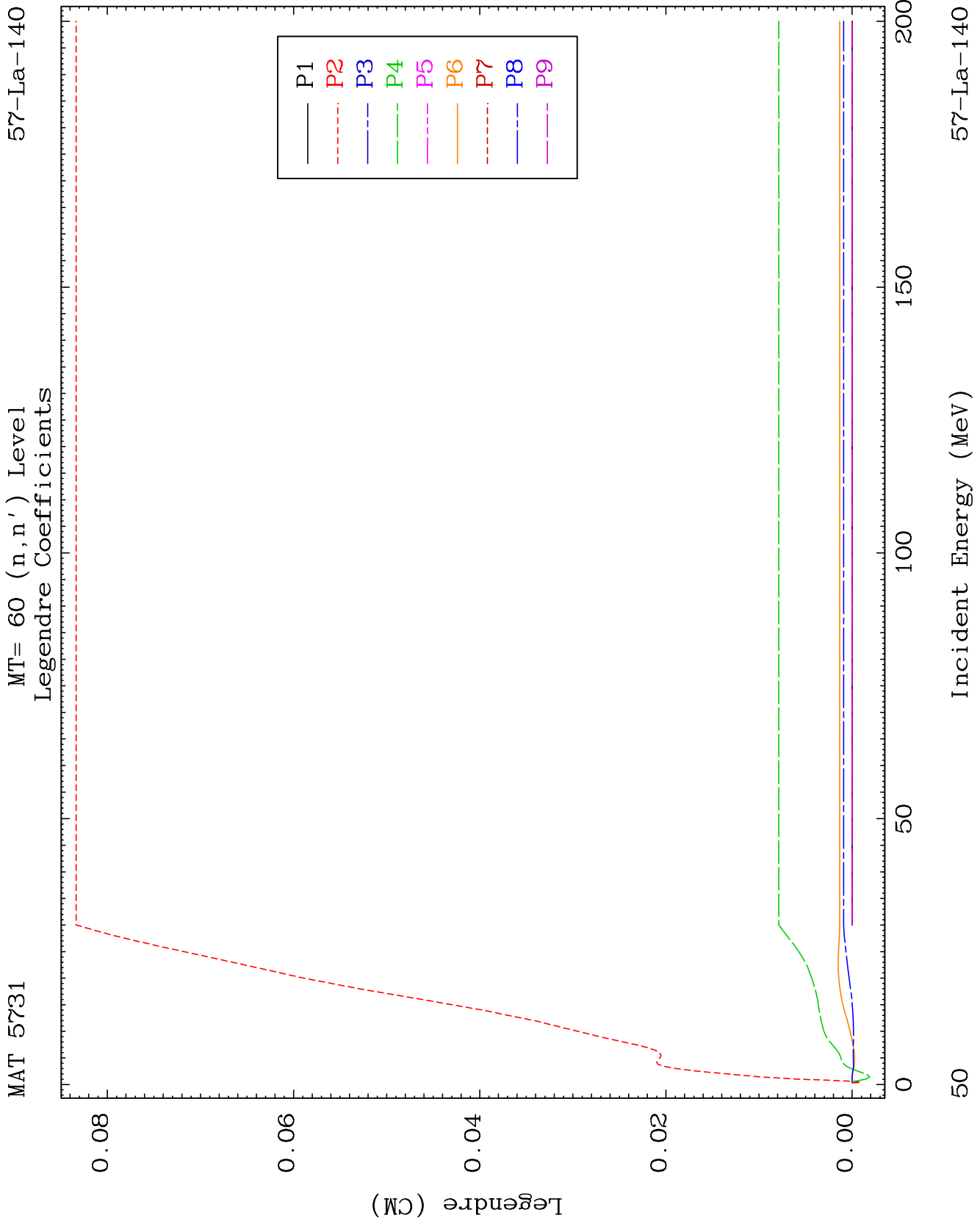


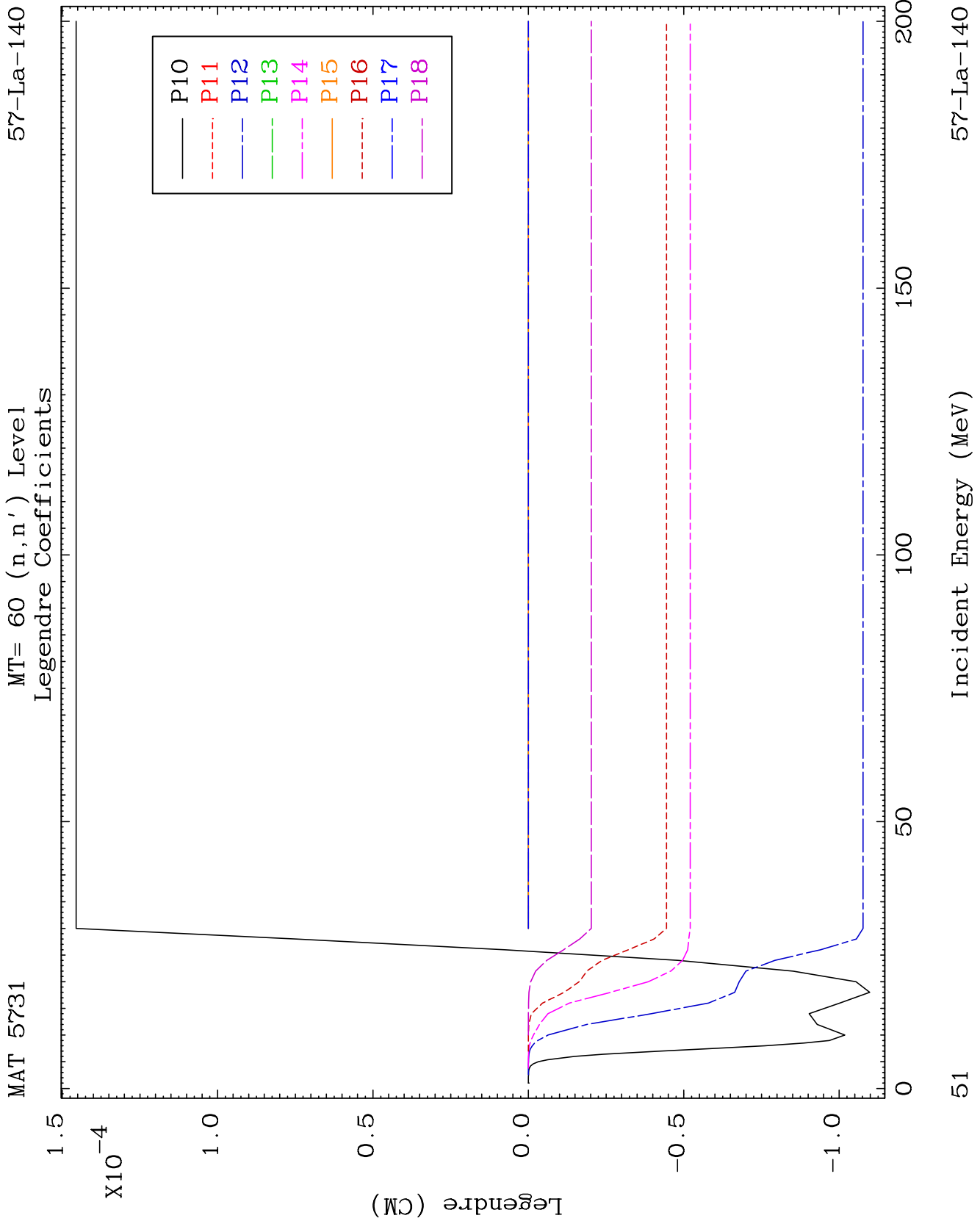
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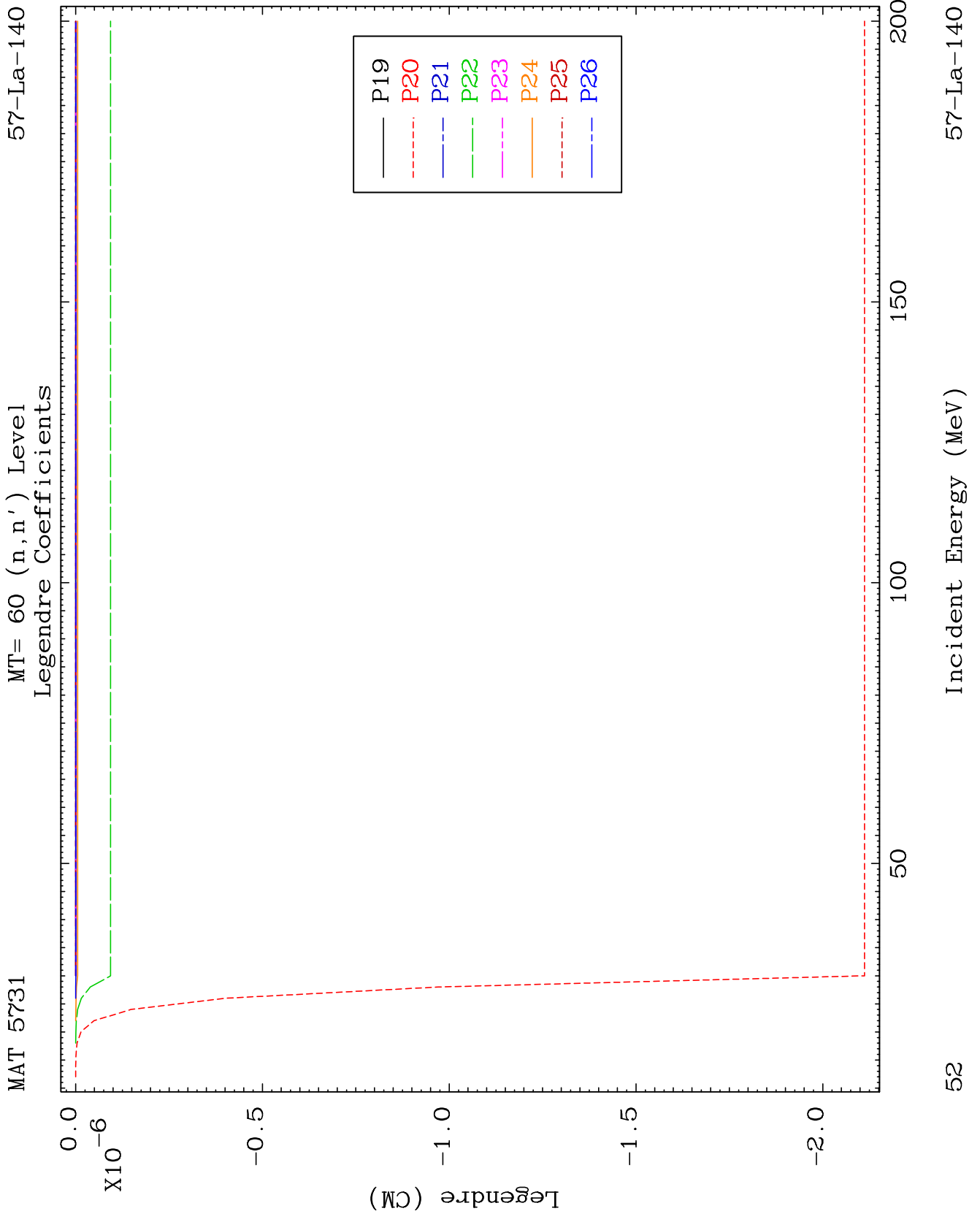
Incident Energy (MeV)

48





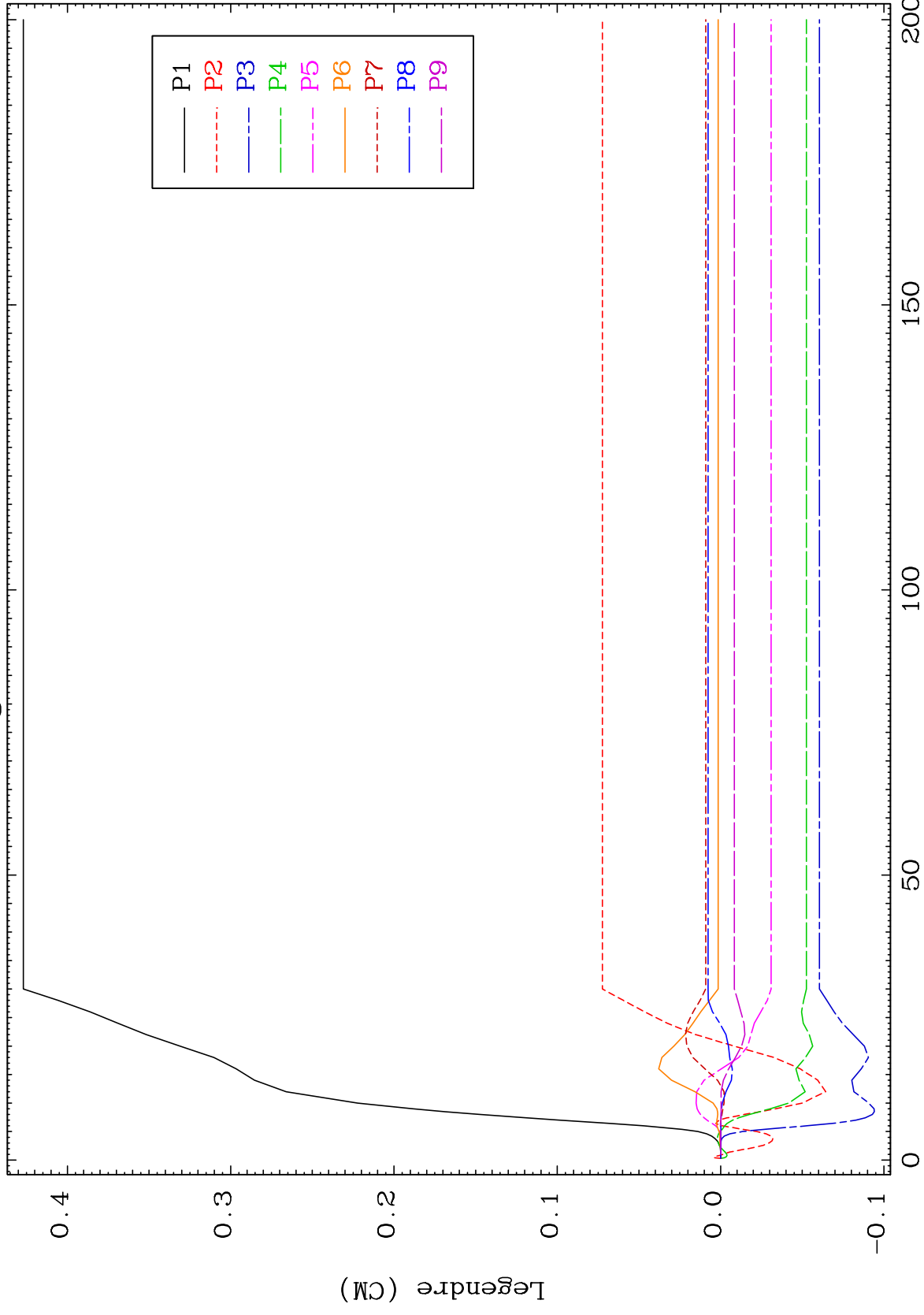




MAT 5731

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

57-La-140



53

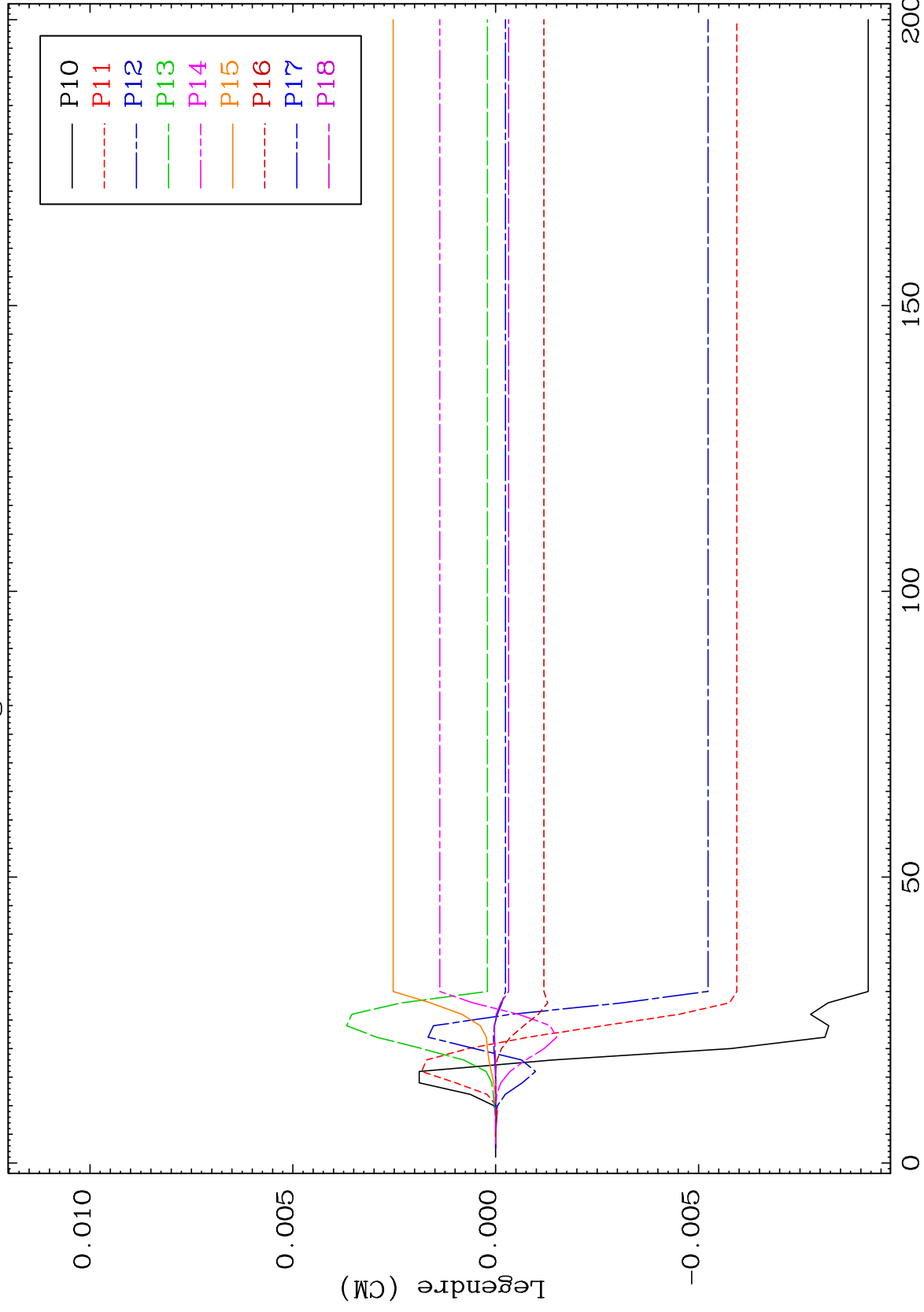
Incident Energy (MeV)

57-La-140

MAT 5731

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

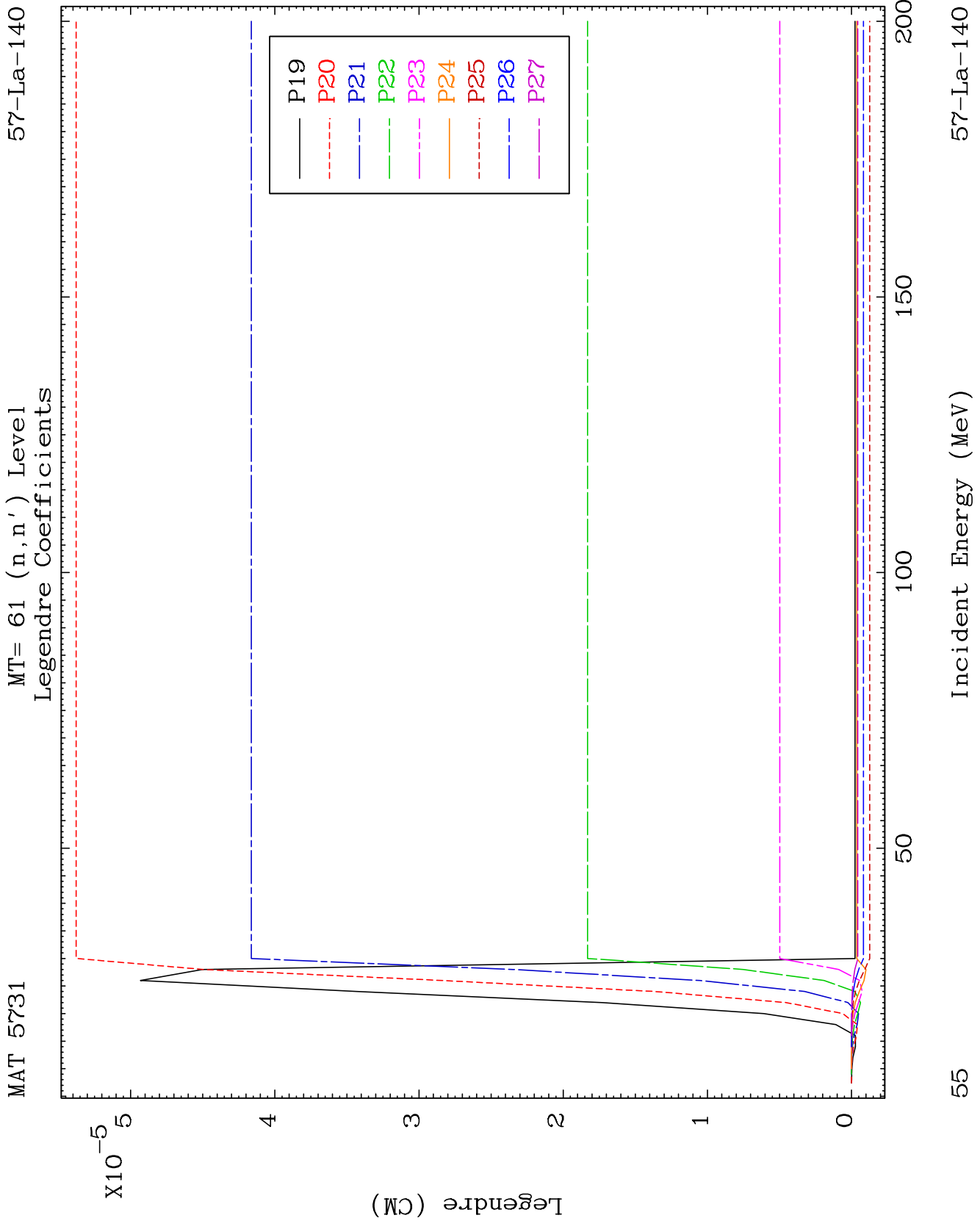
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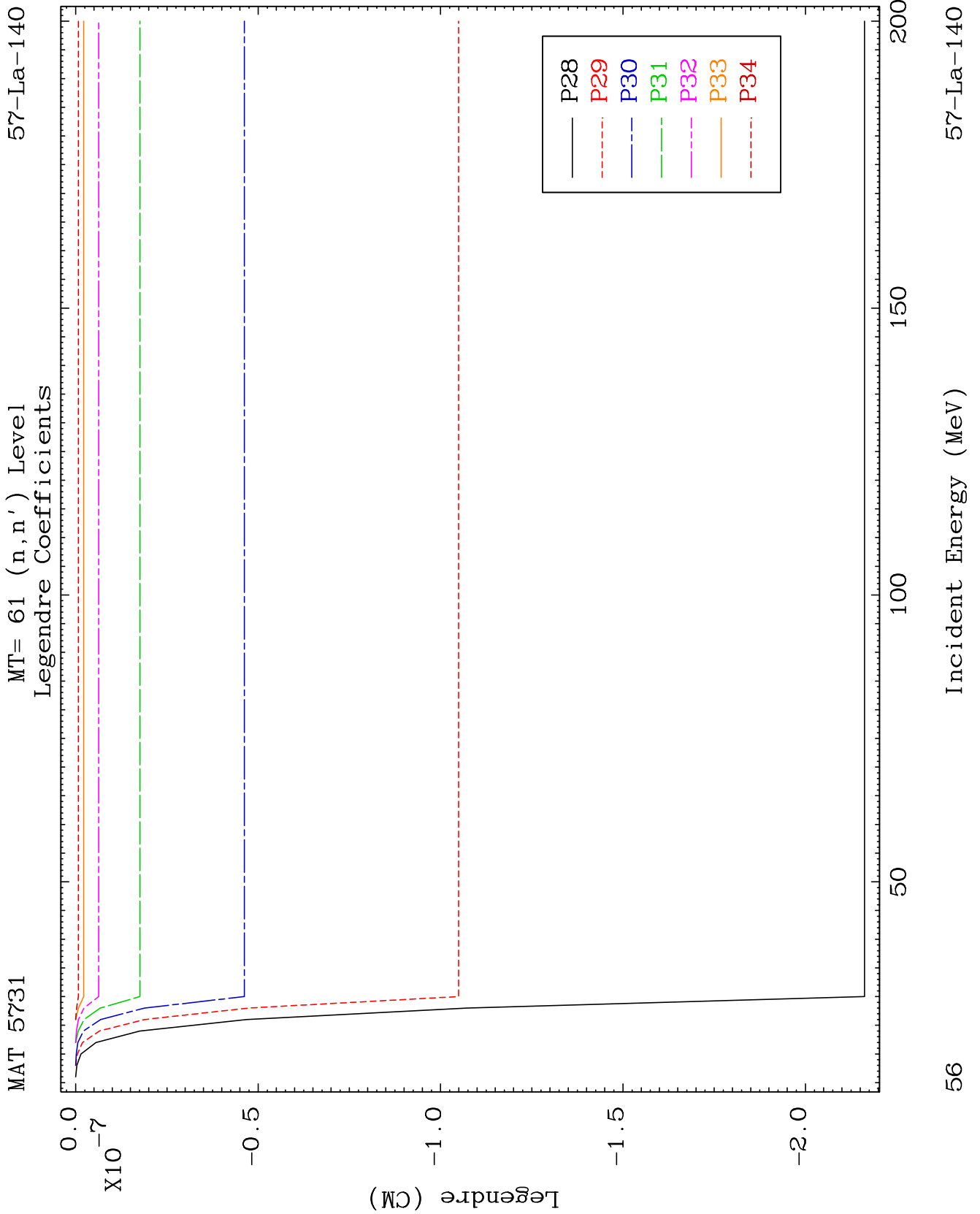


54

Incident Energy (MeV)

57-La-140

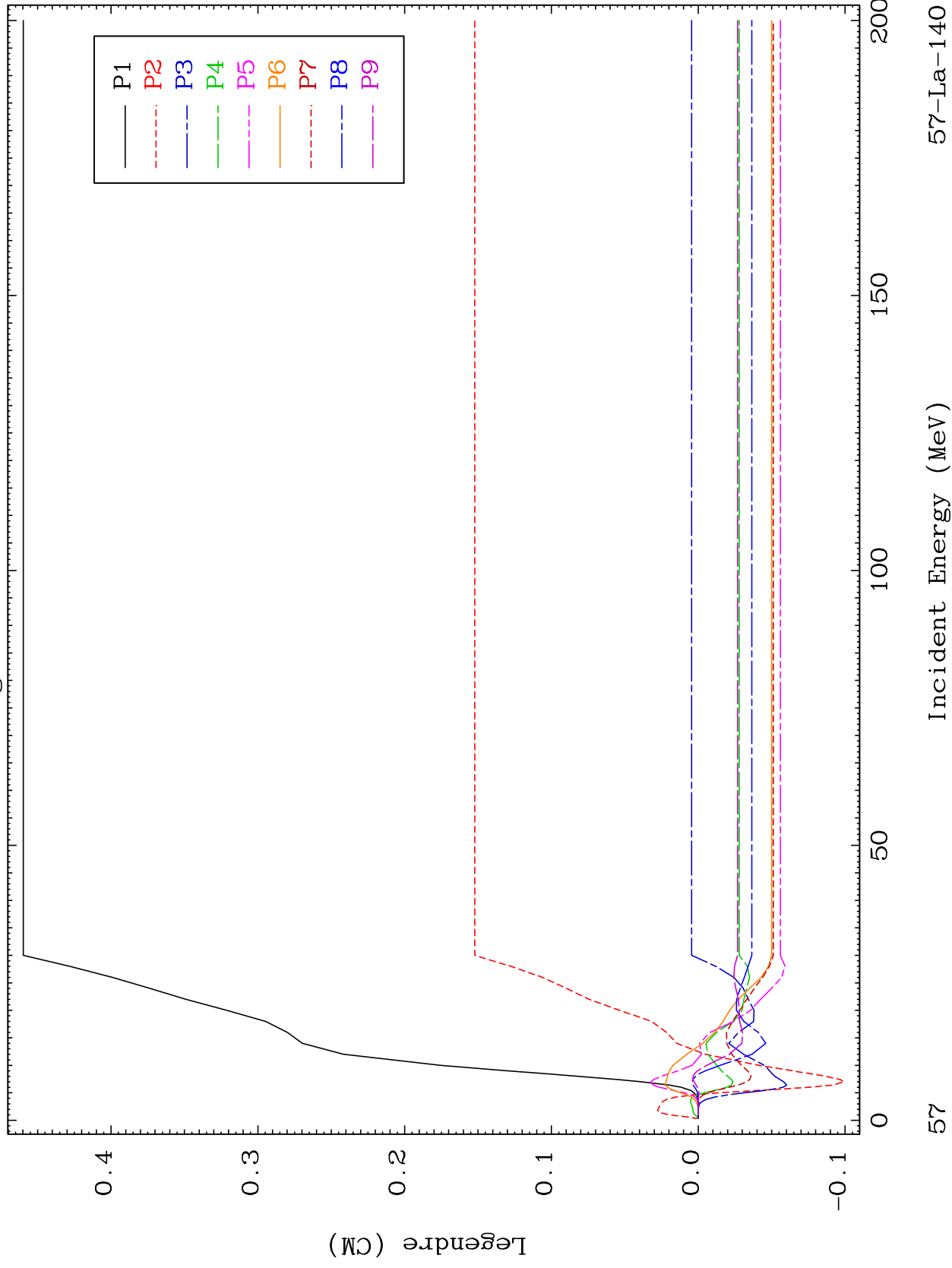




MAT 5731

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

57-La-140



57-La-140

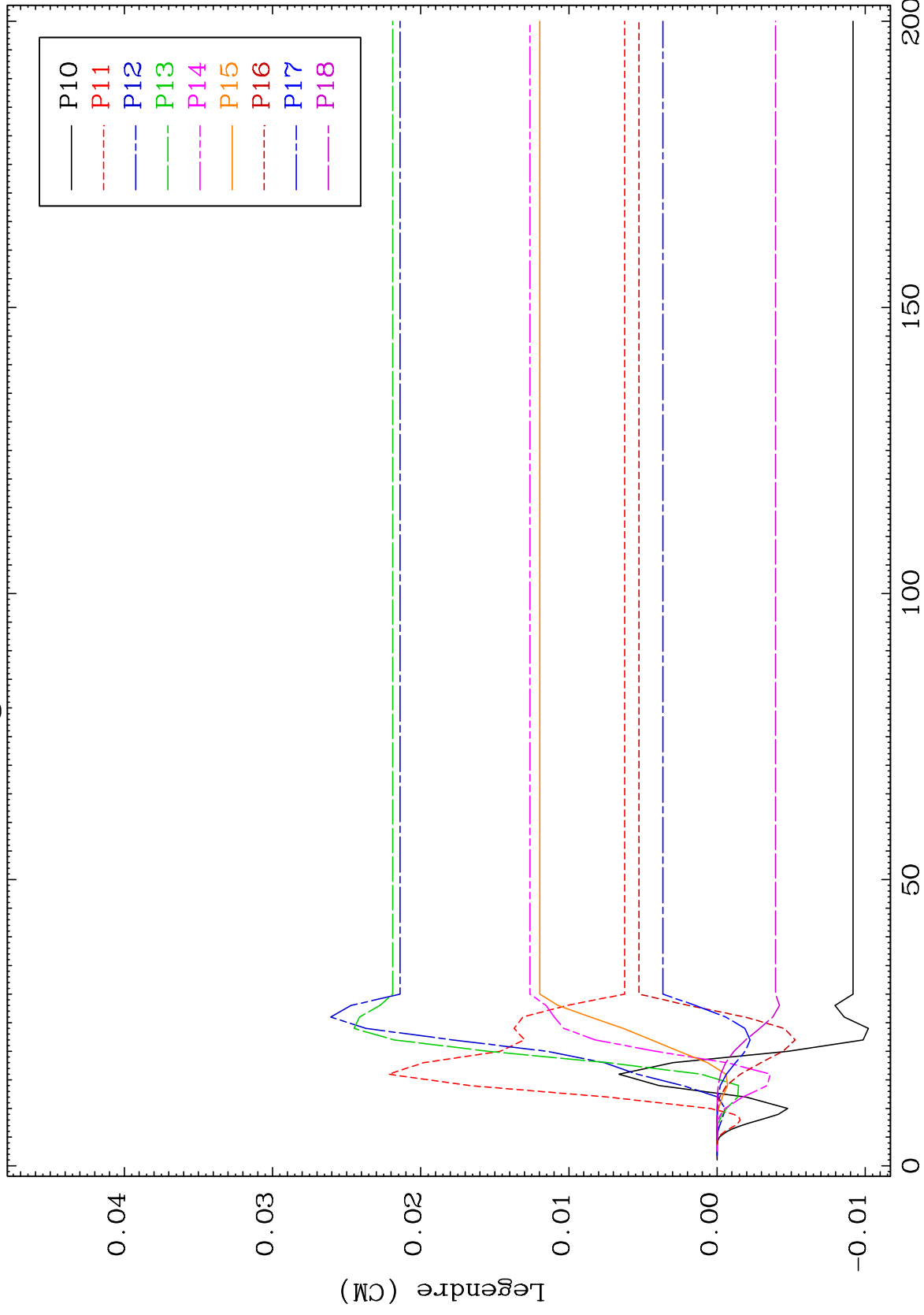
Incident Energy (MeV)

57

MAT 5731

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

57-La-140



58

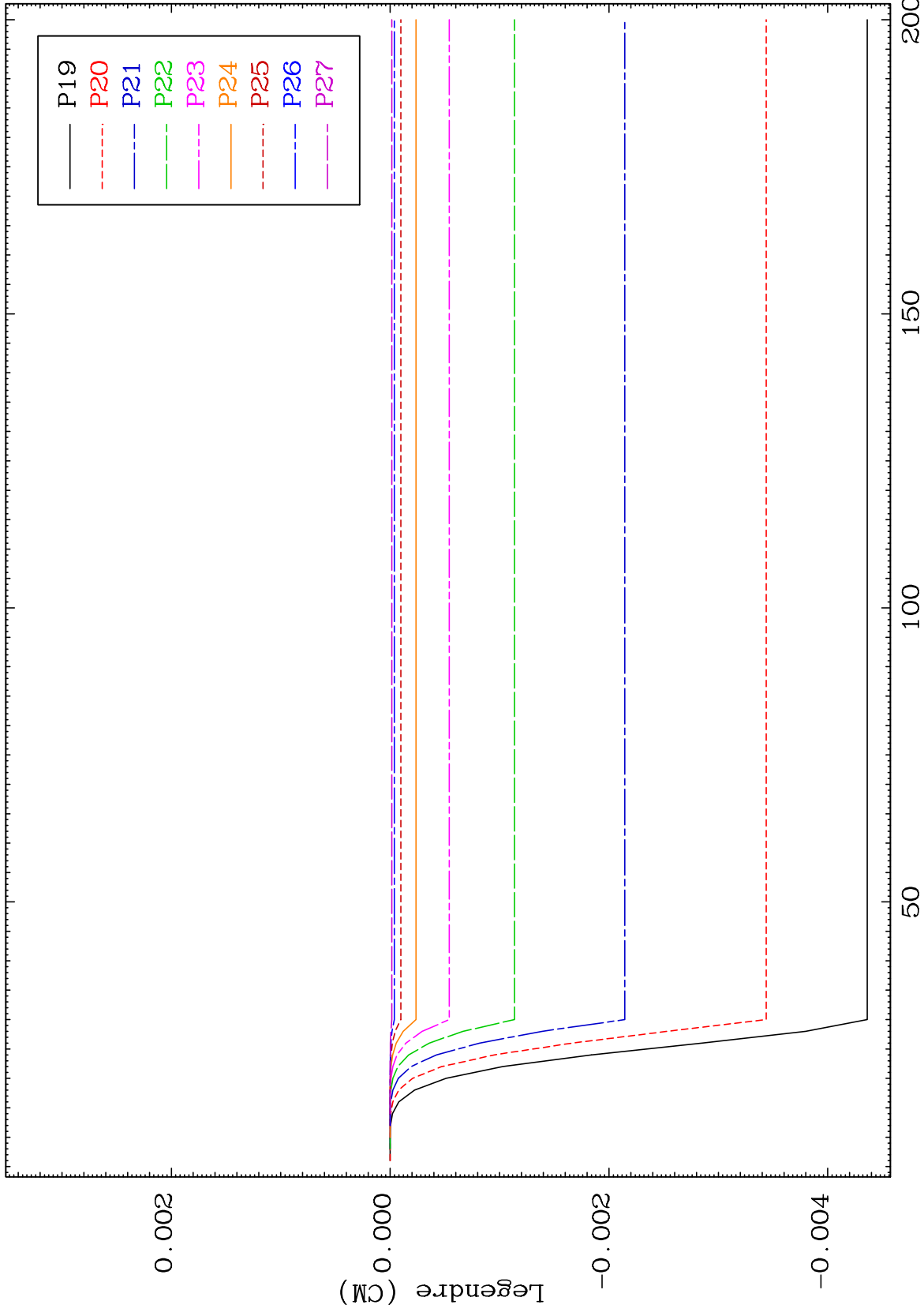
Incident Energy (MeV)

57-La-140

MAT 5731

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

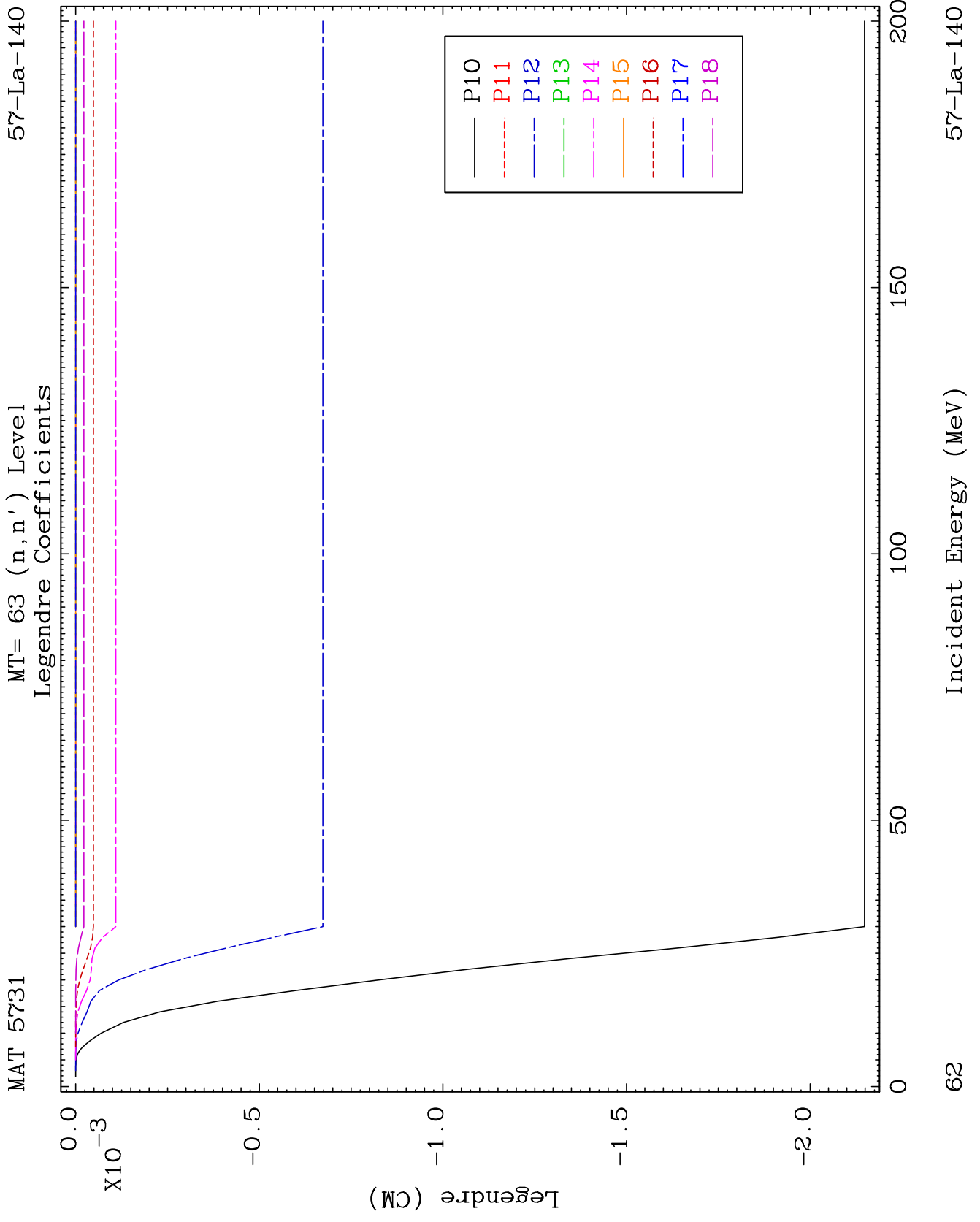
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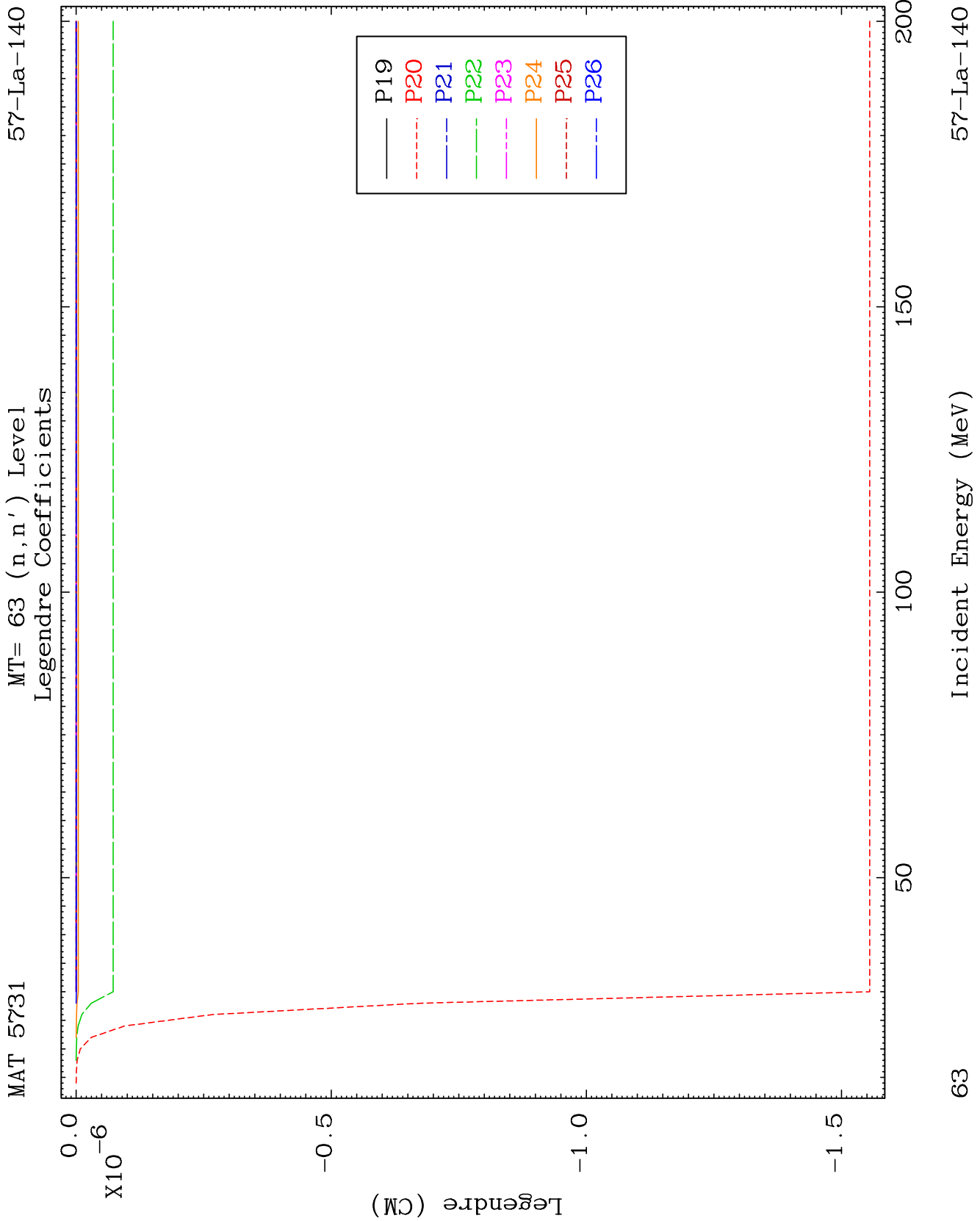


59

Incident Energy (MeV)

57-La-140

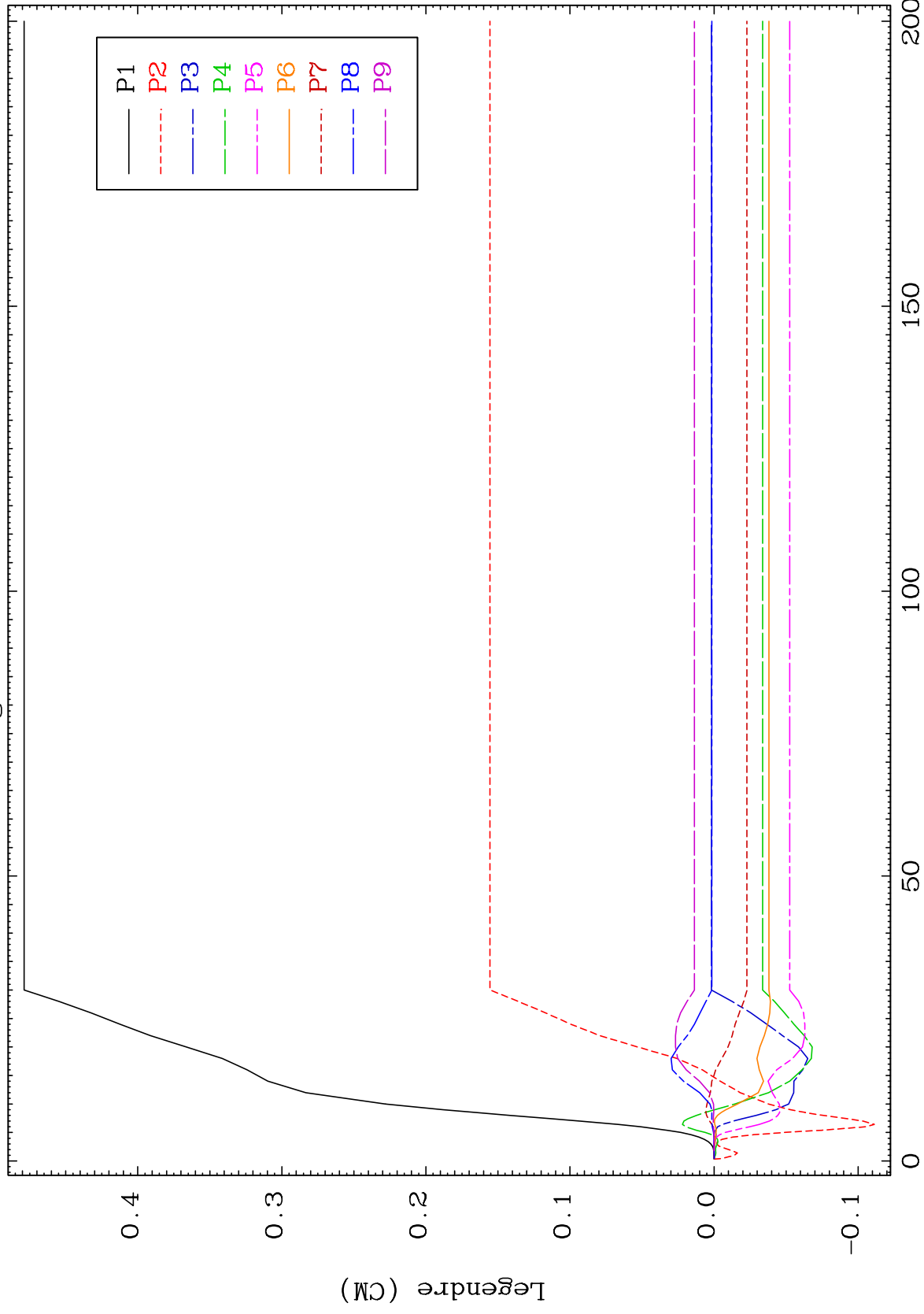




MAT 5731

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

57-La-140



64

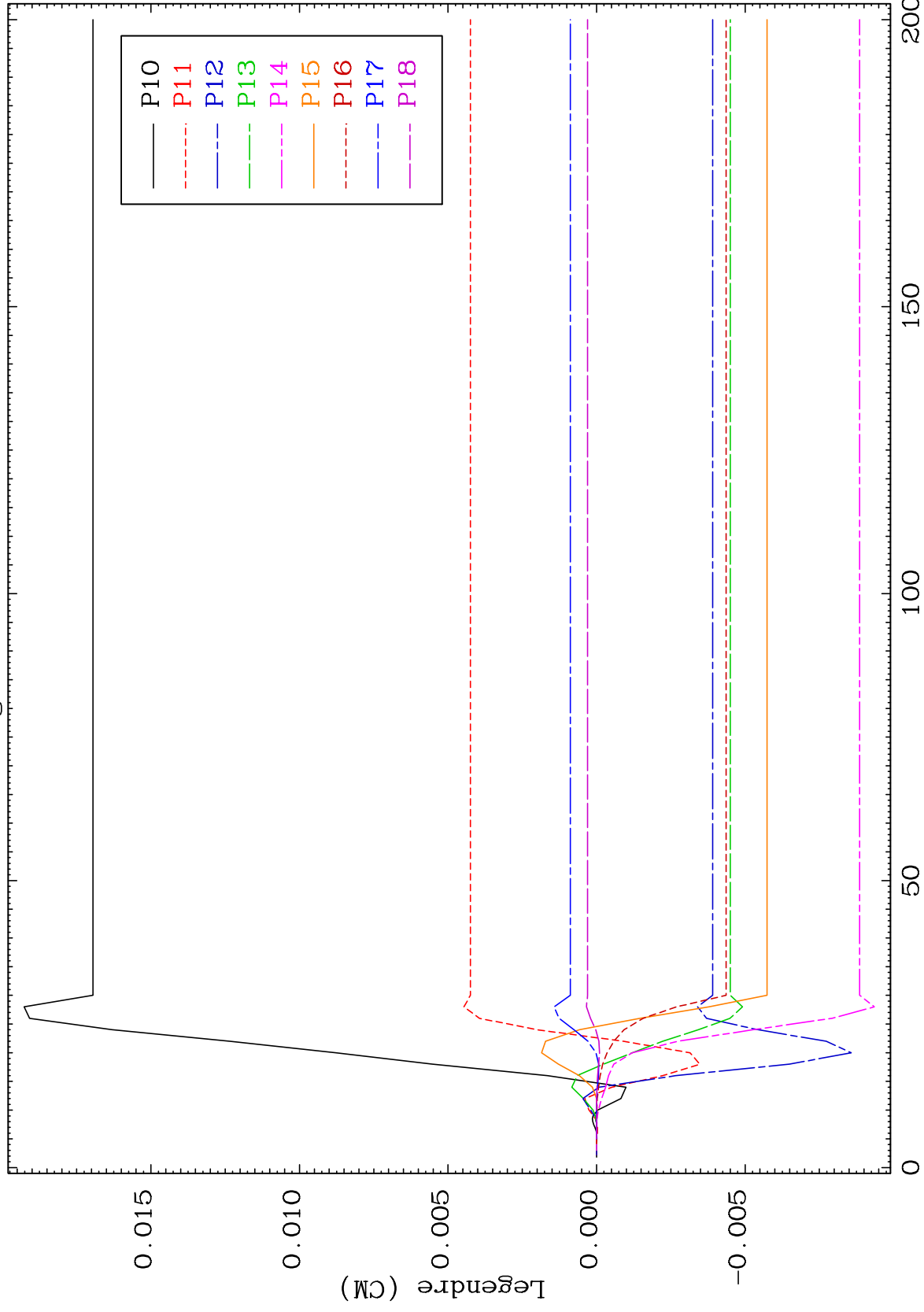
Incident Energy (MeV)

57-La-140

MAT 5731

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

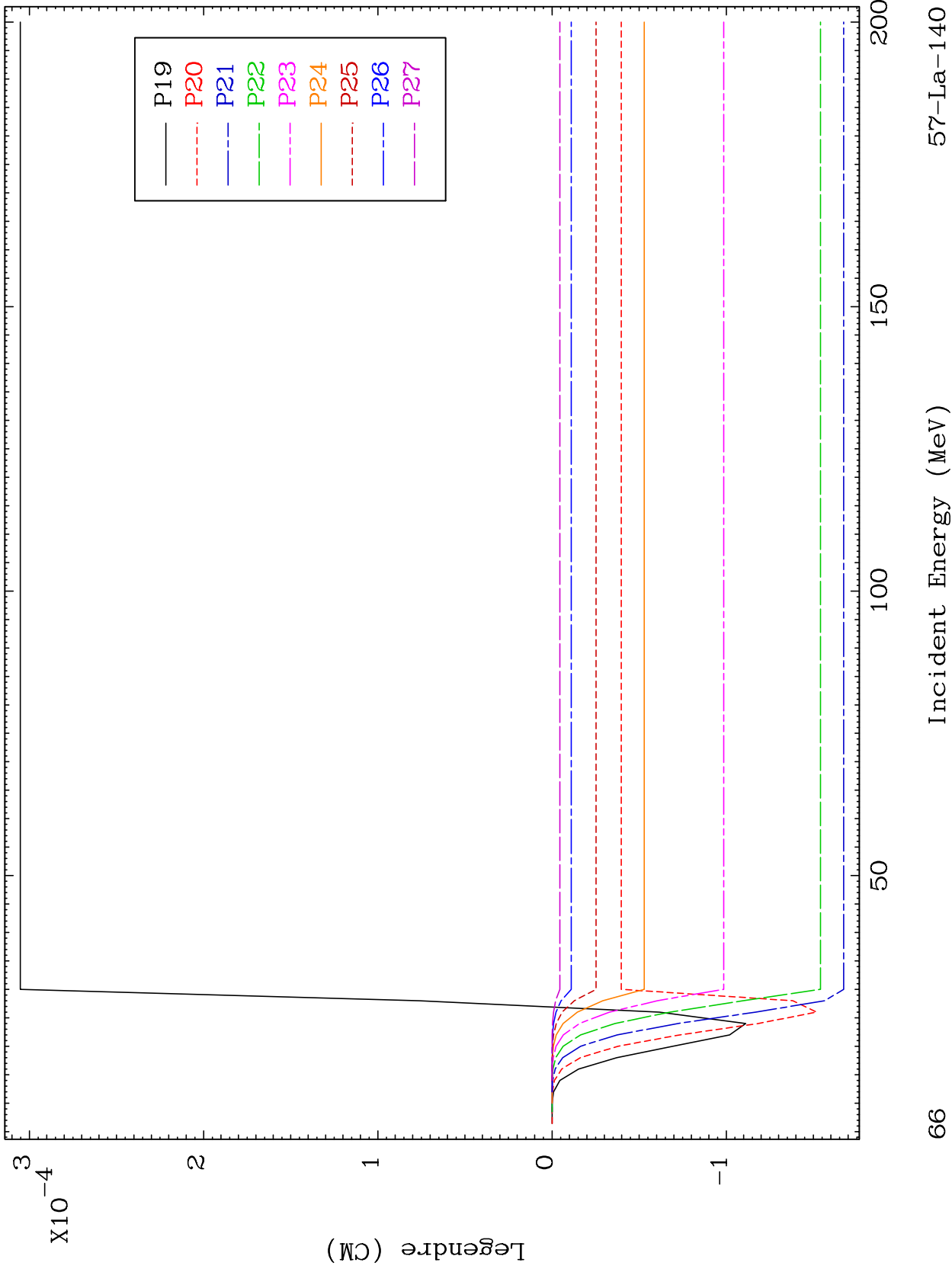
57-La-140



65

Incident Energy (MeV)

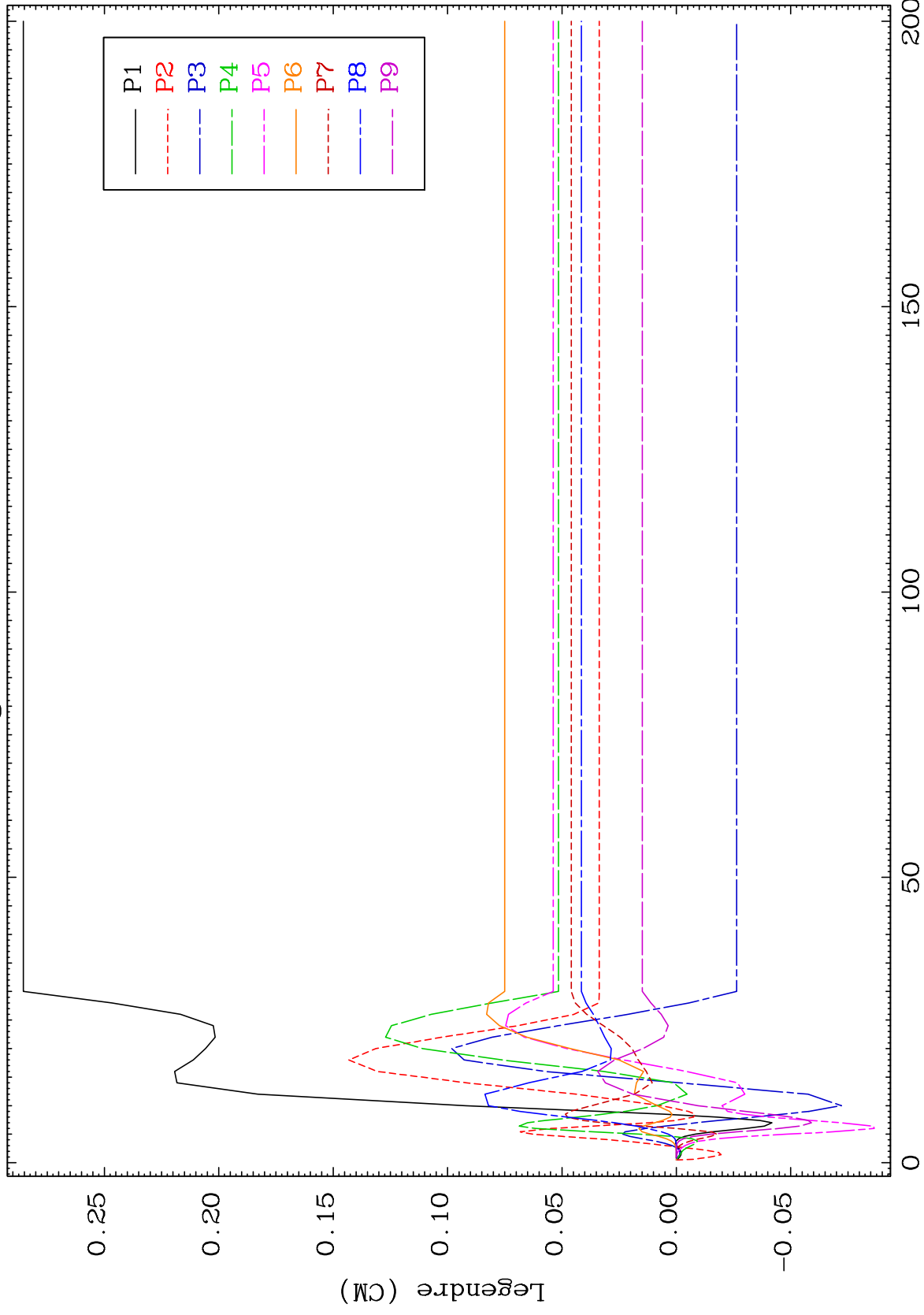
57-La-140



MAT 5731

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

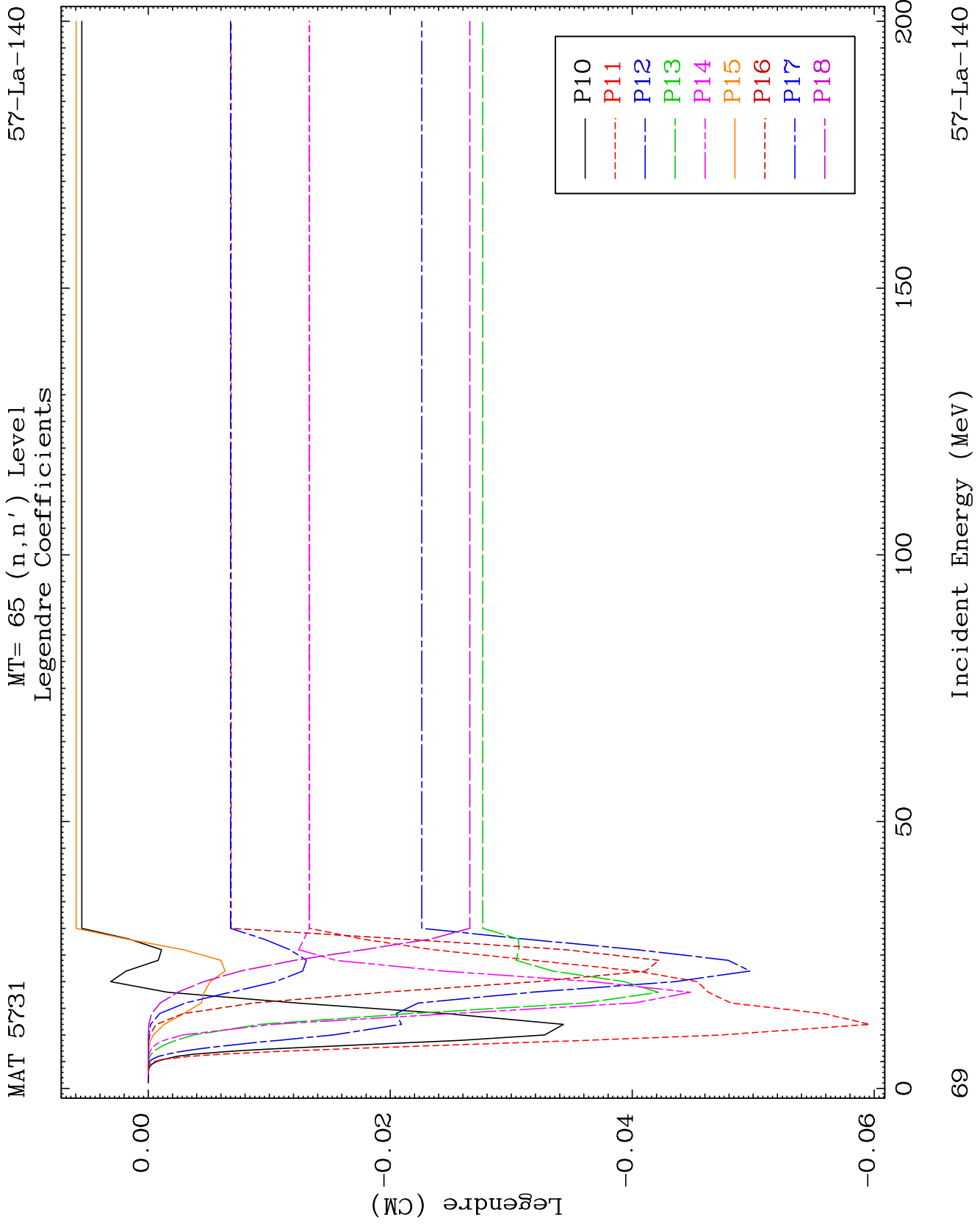
57-La-140

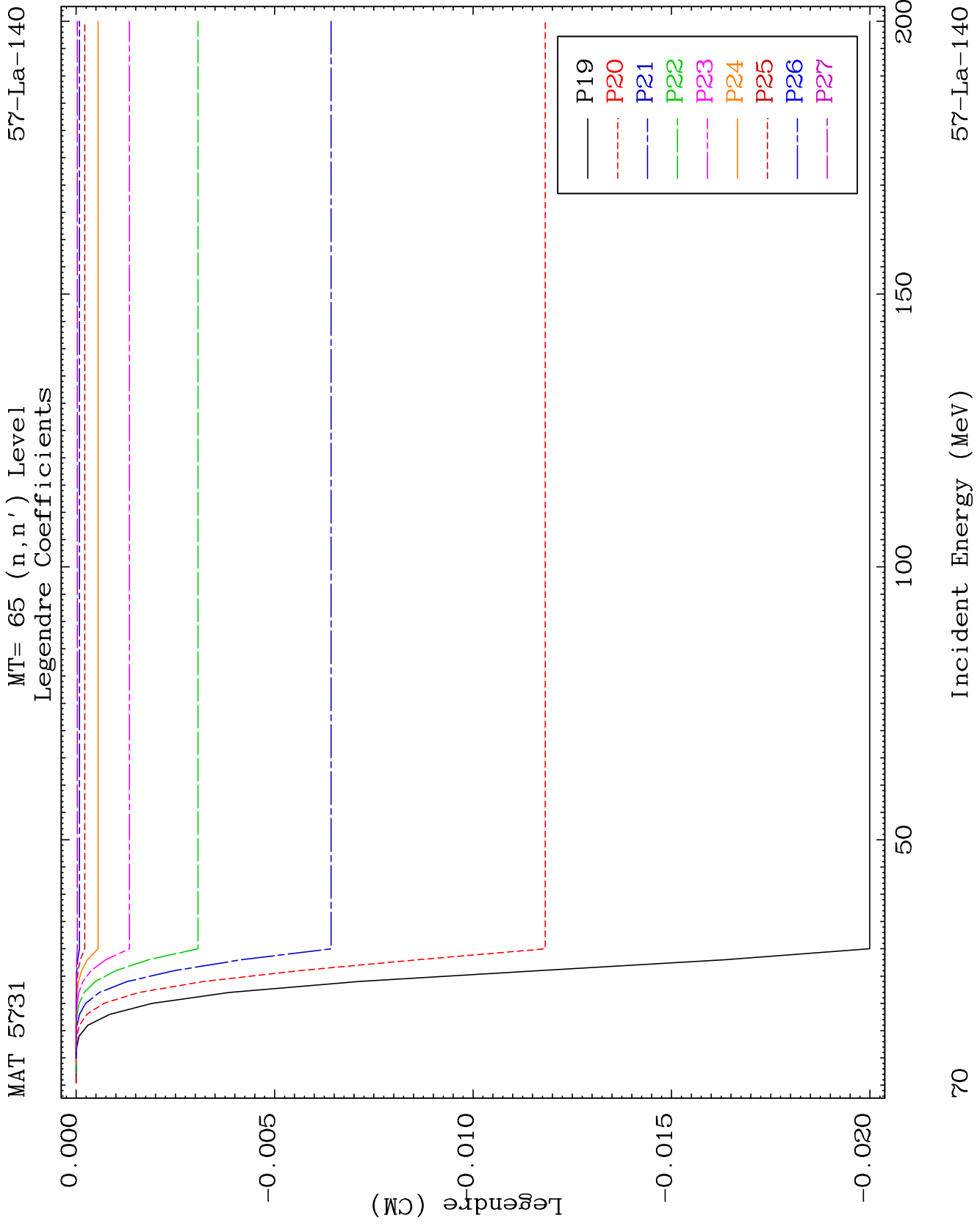


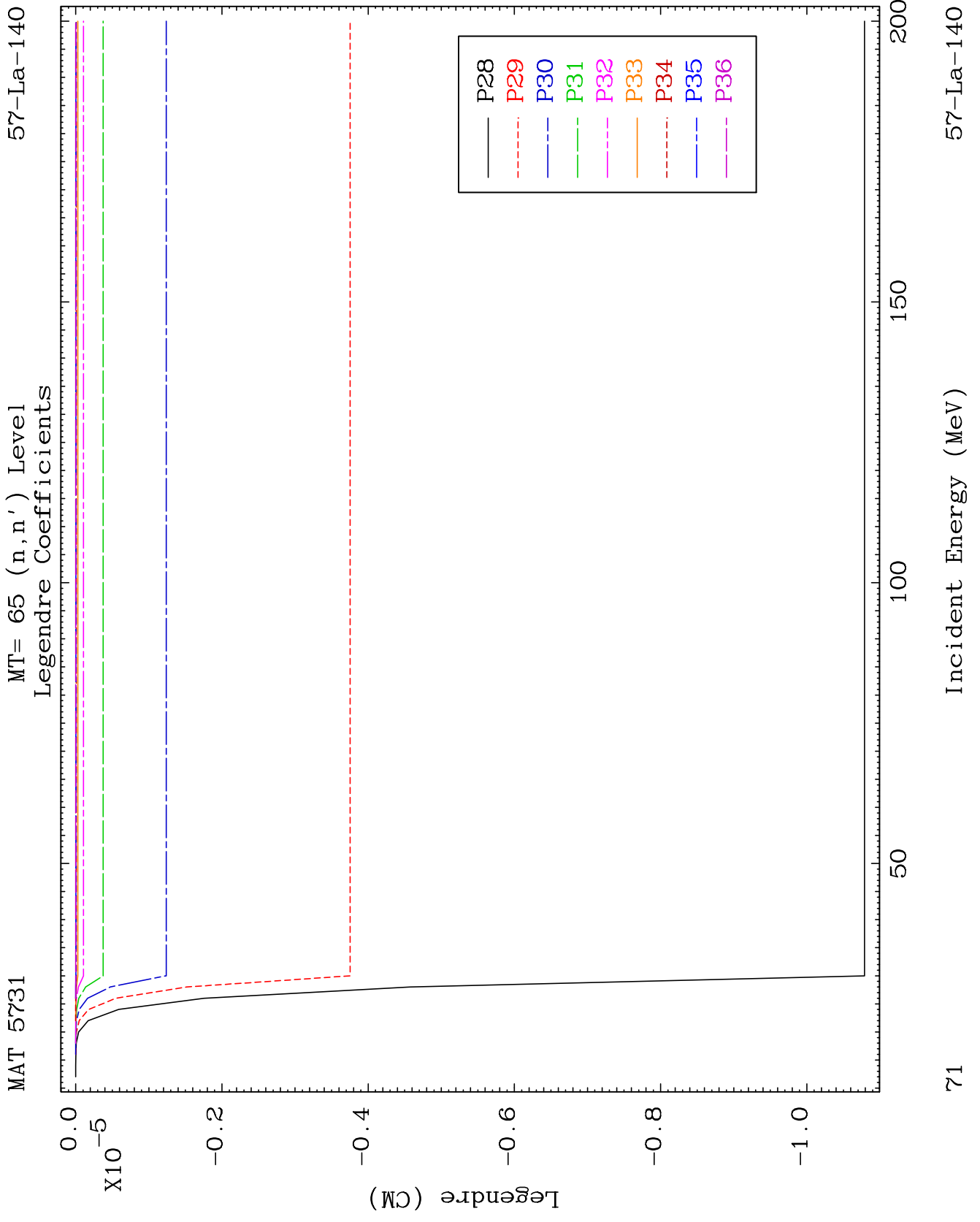
57-La-140

Incident Energy (MeV)

68



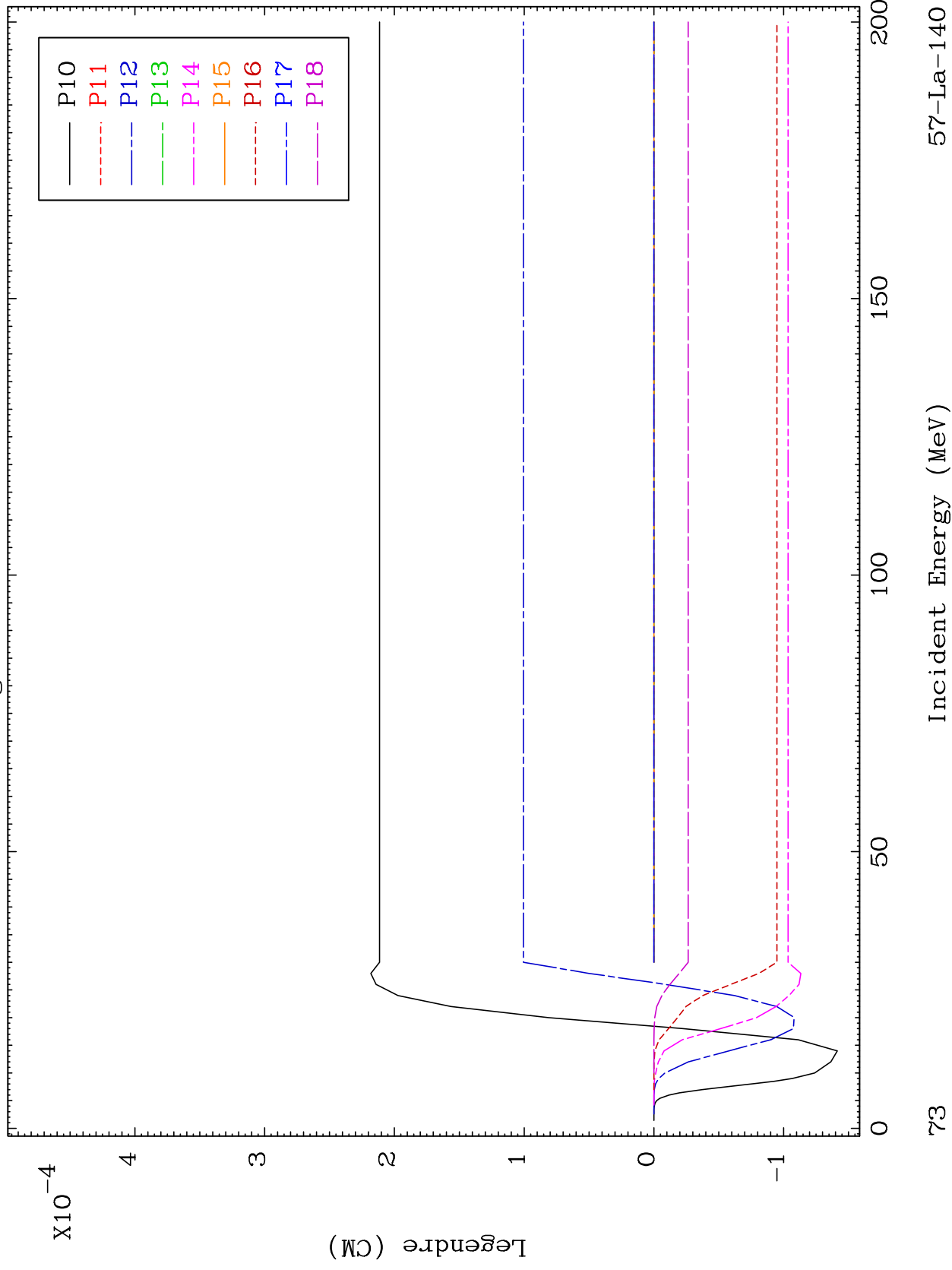




MAT 5731

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

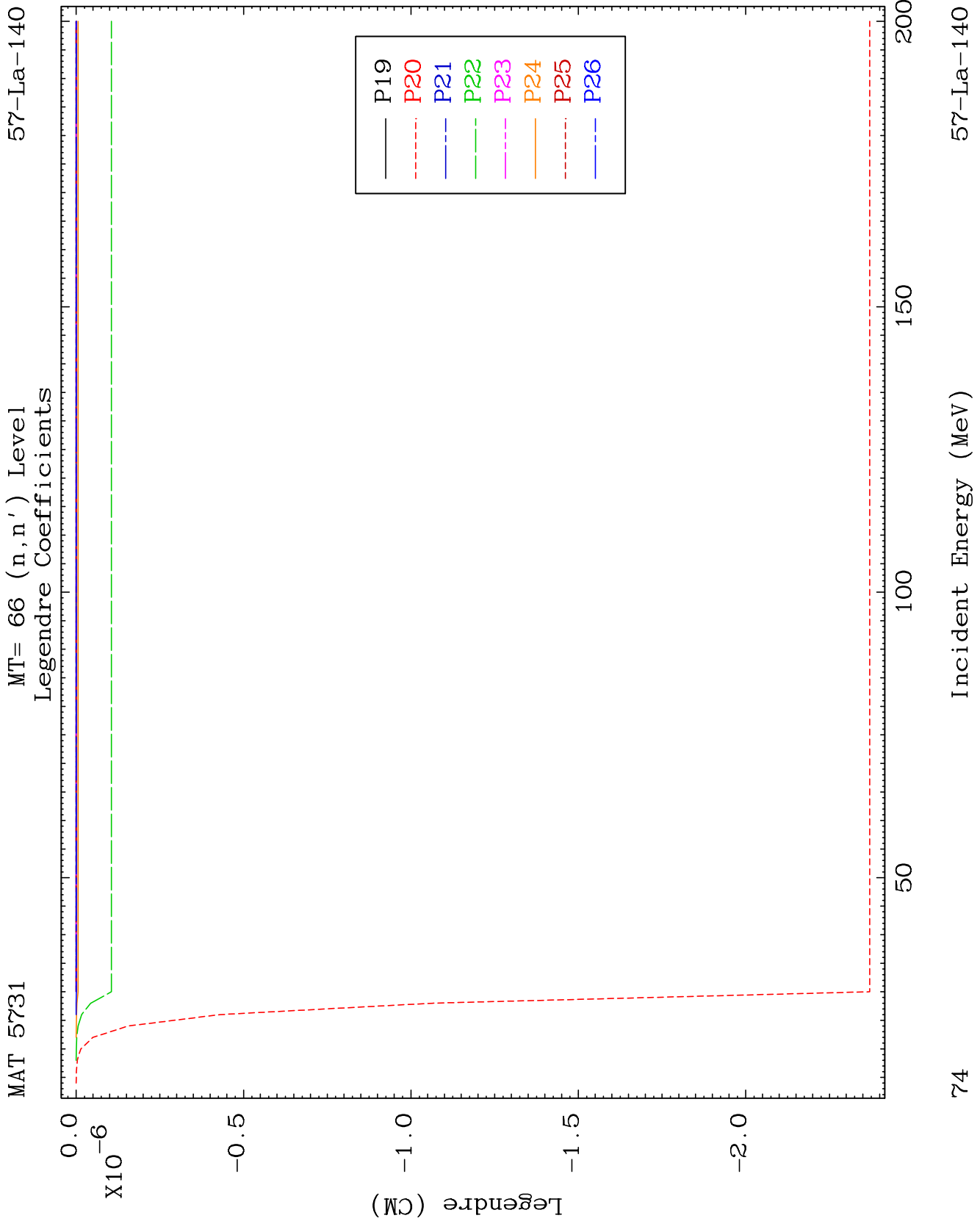
57-La-140

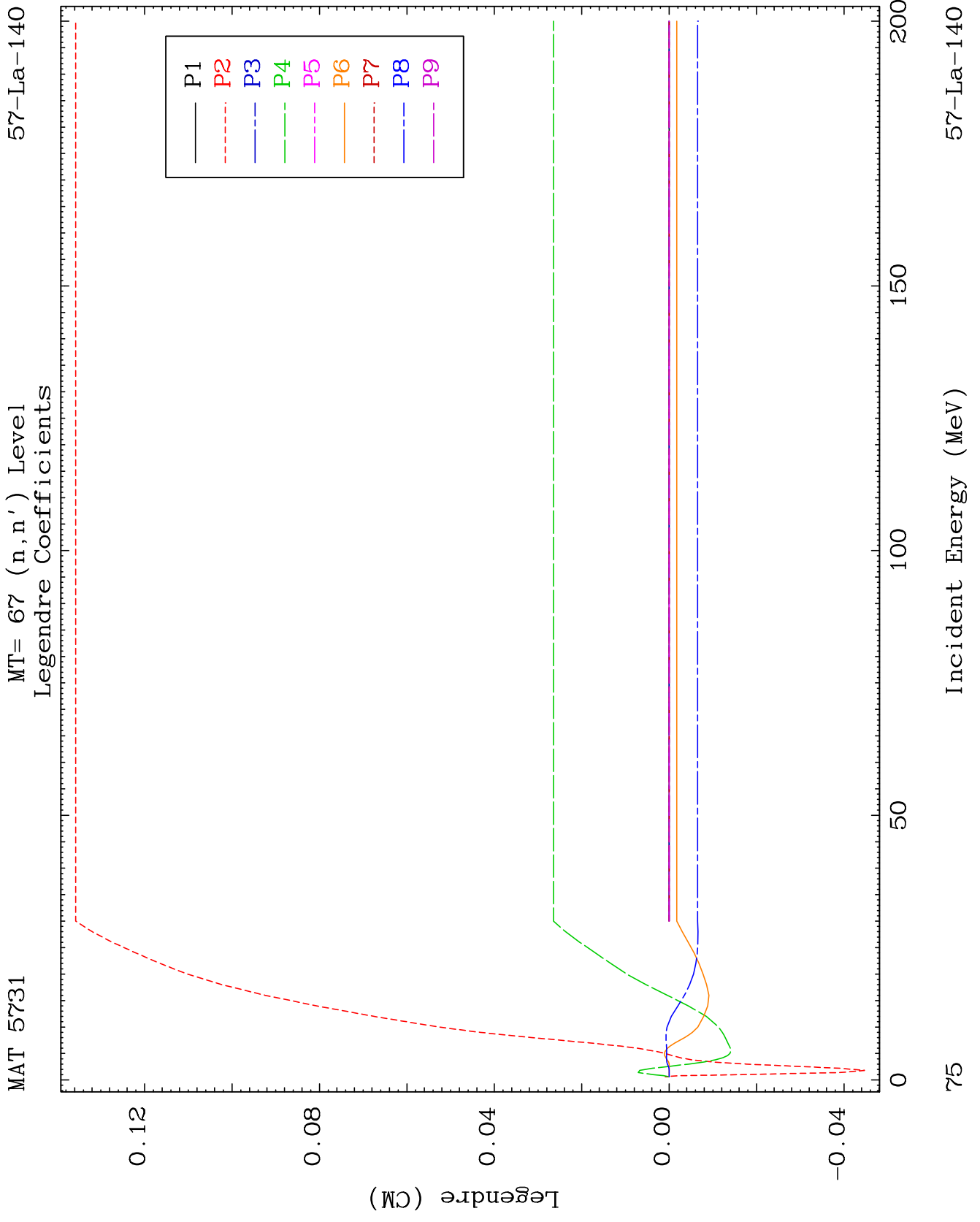


57-La-140

Incident Energy (MeV)

73

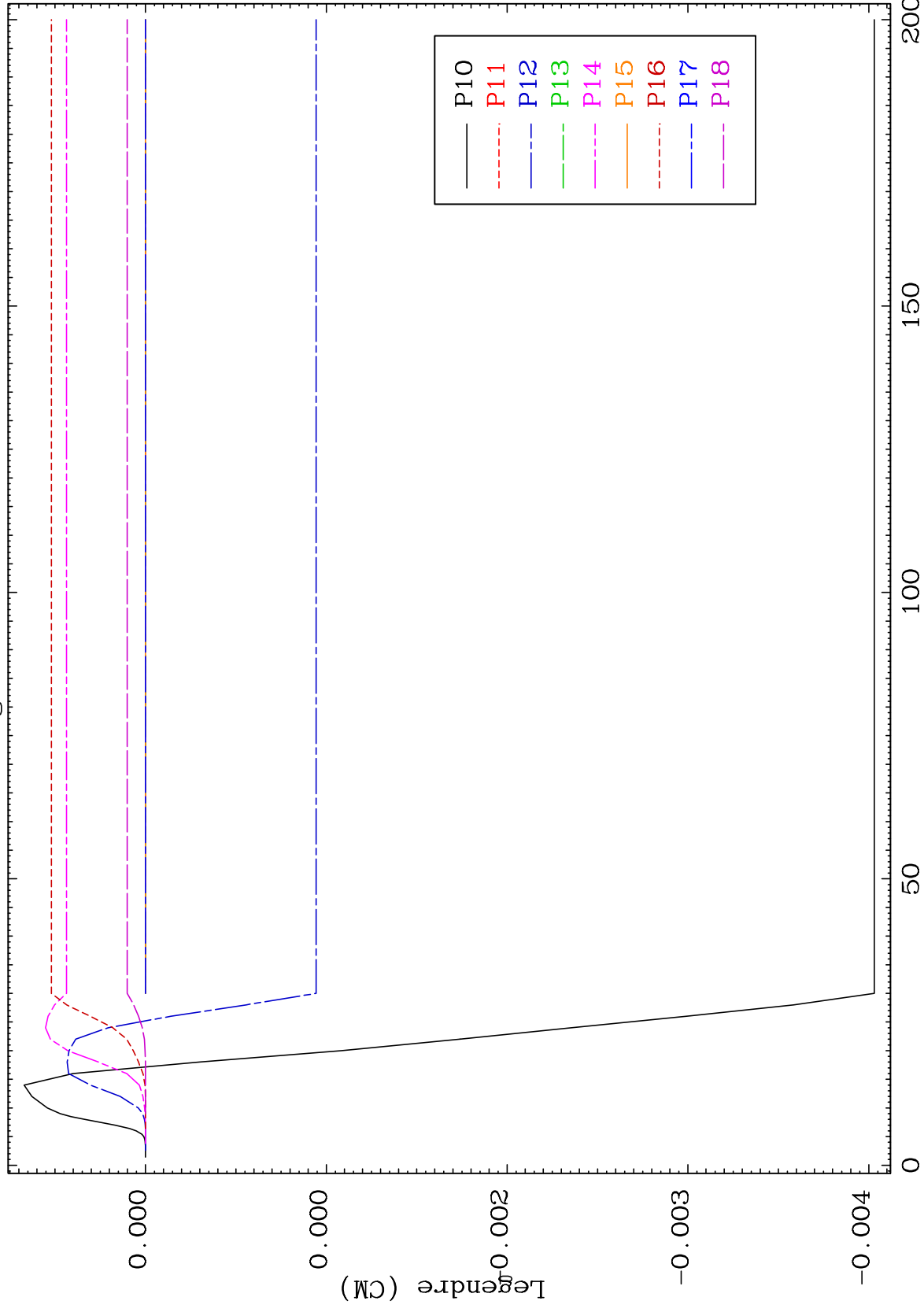




MAT 5731

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

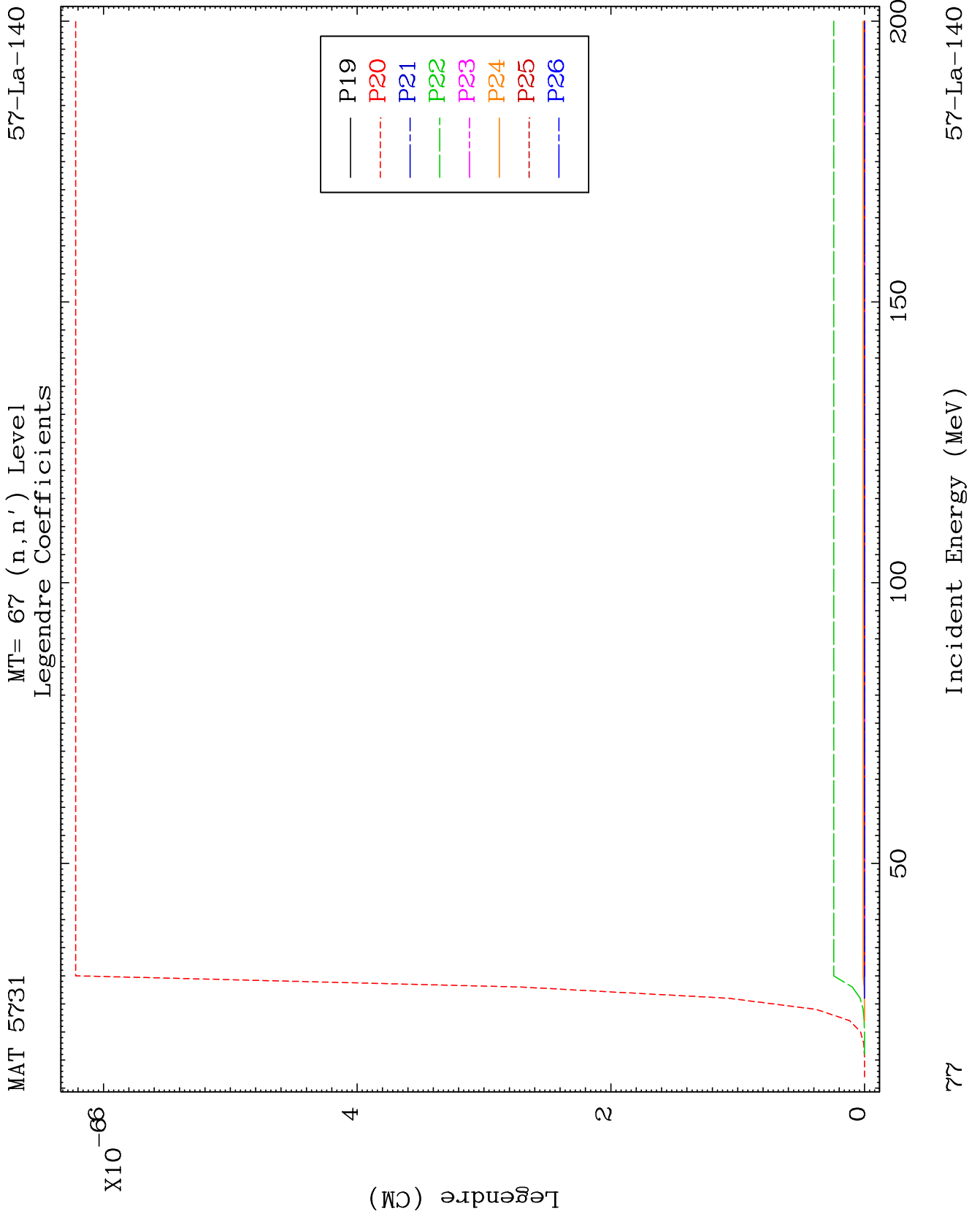
57-La-140

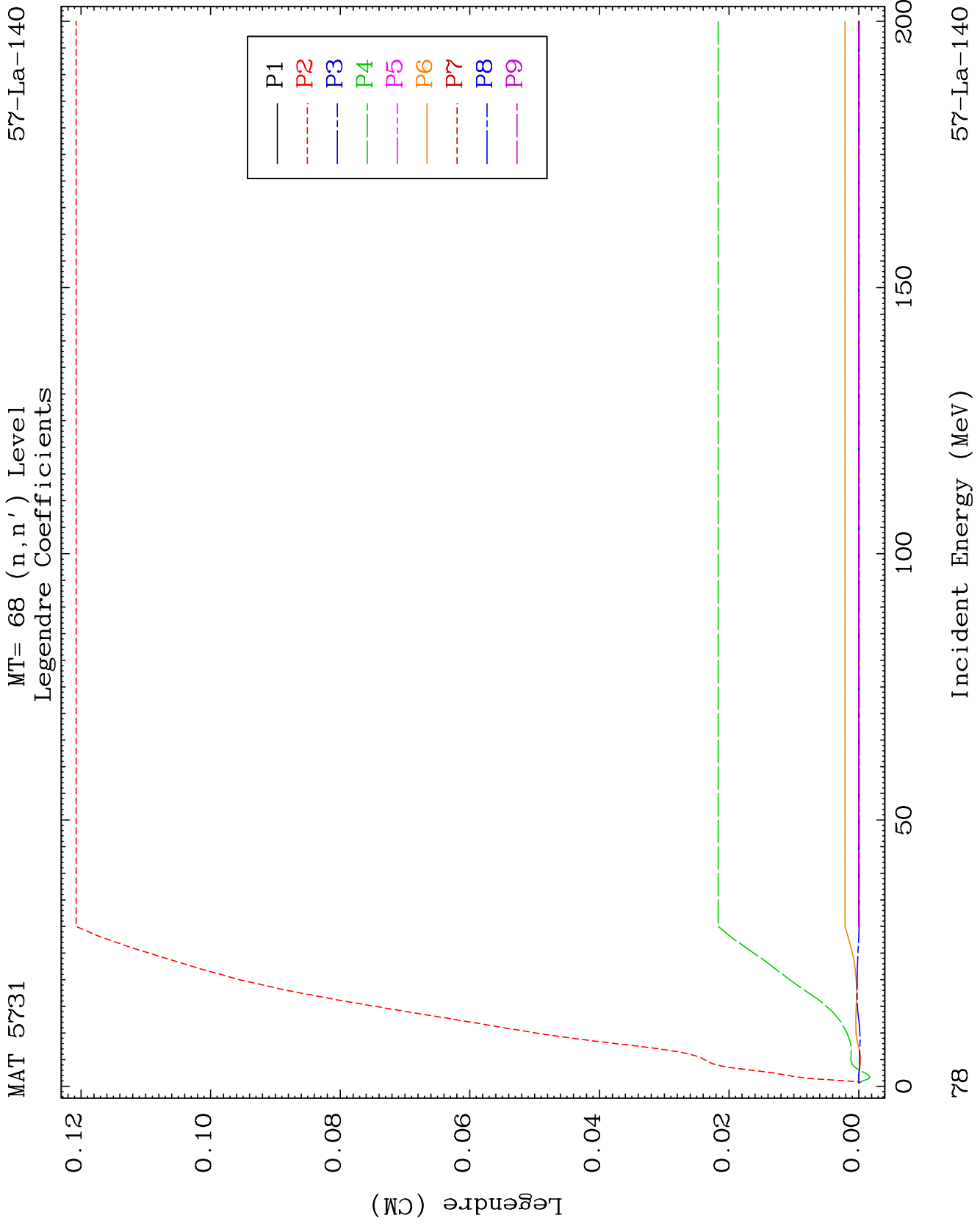


76

Incident Energy (MeV)

57-La-140

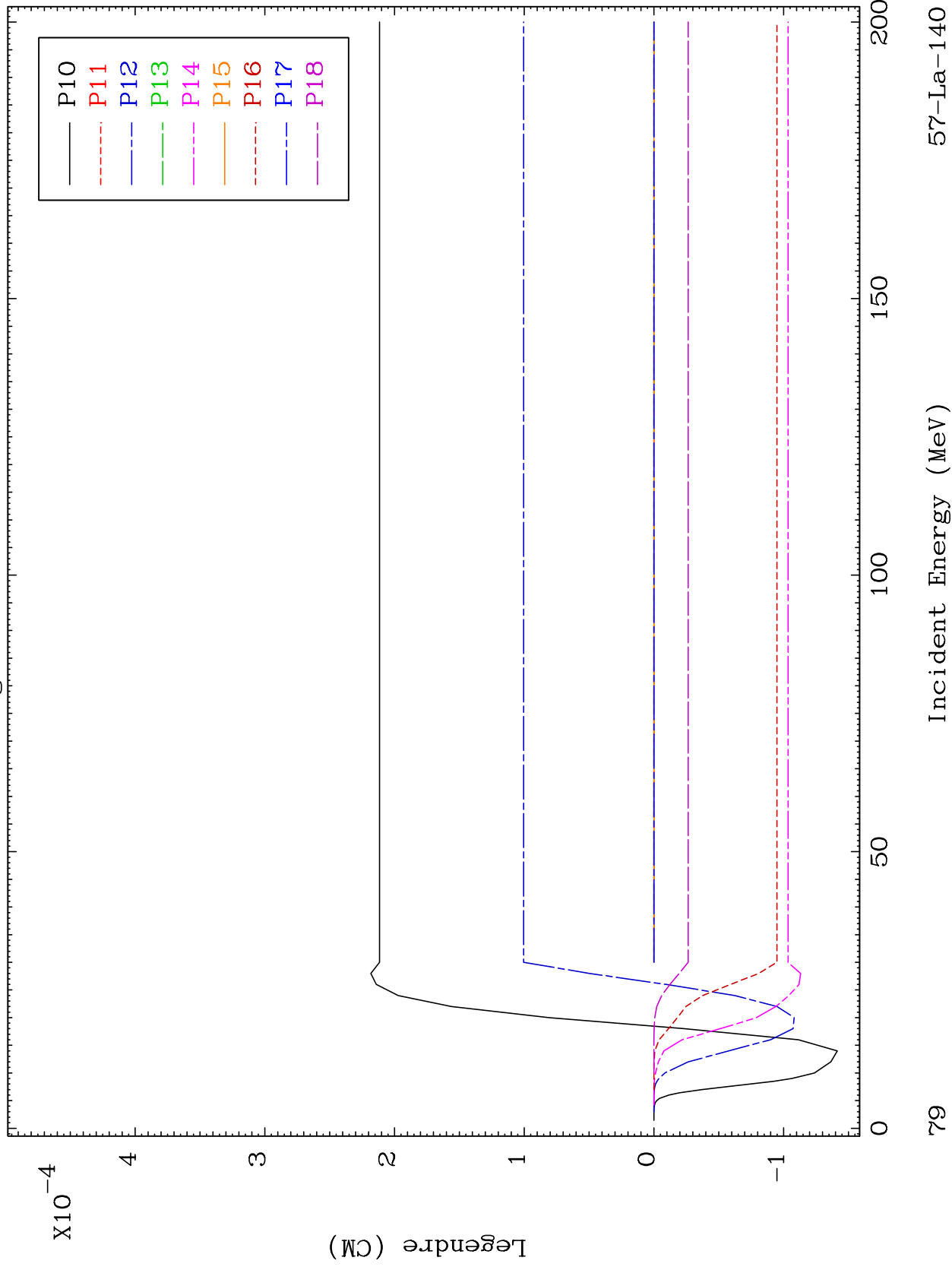


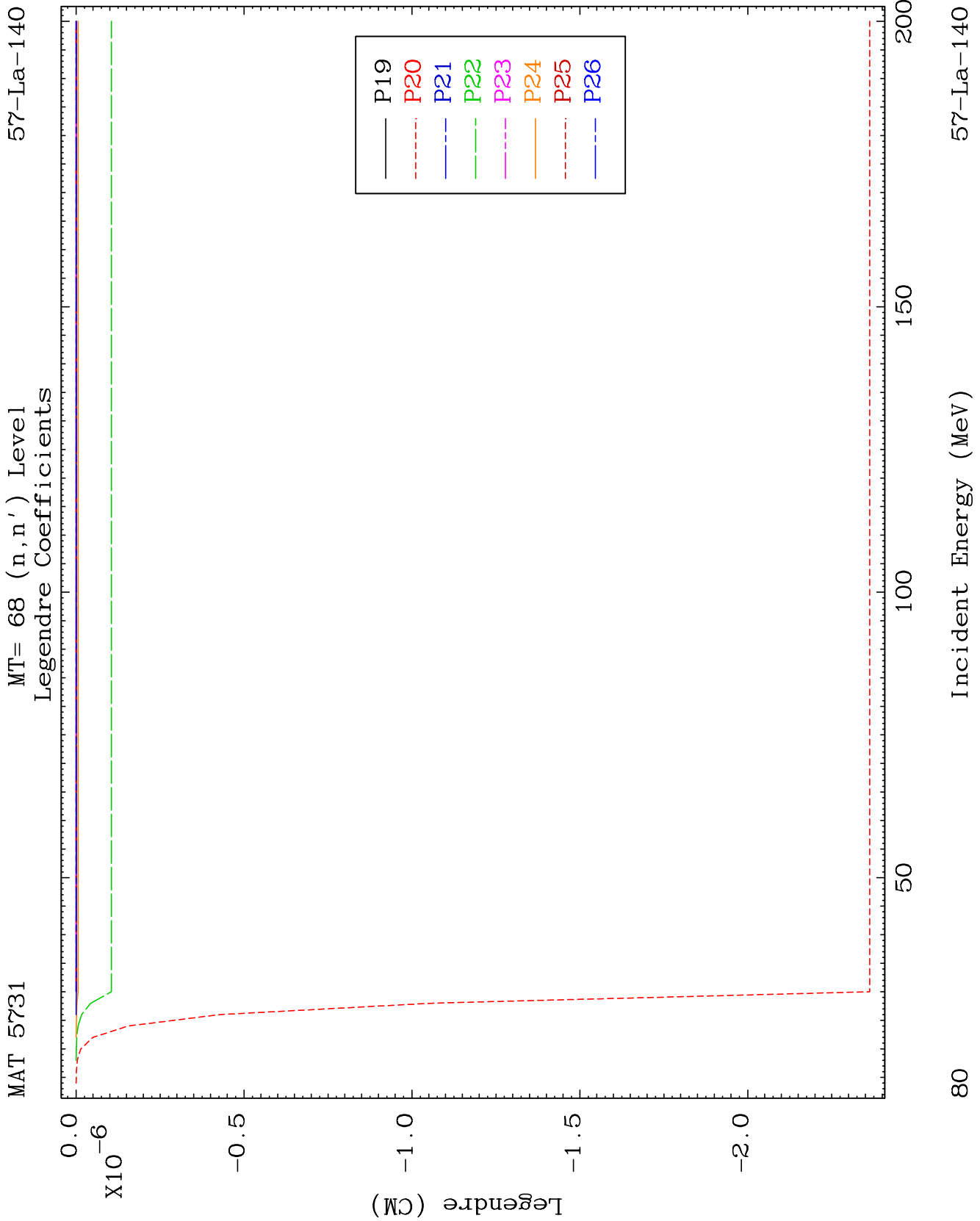


MAT 5731

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

57-La-140

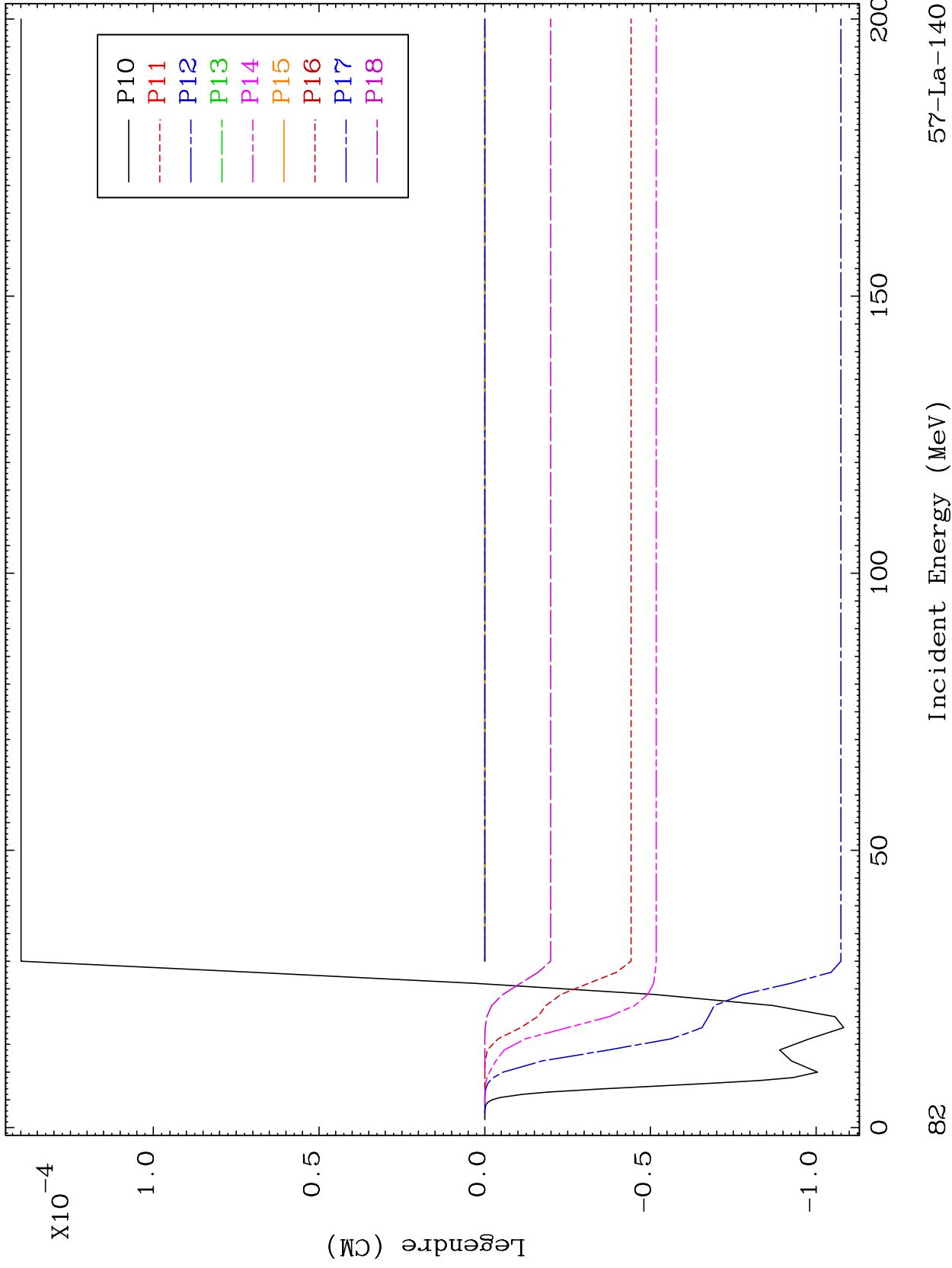




MAT 5731

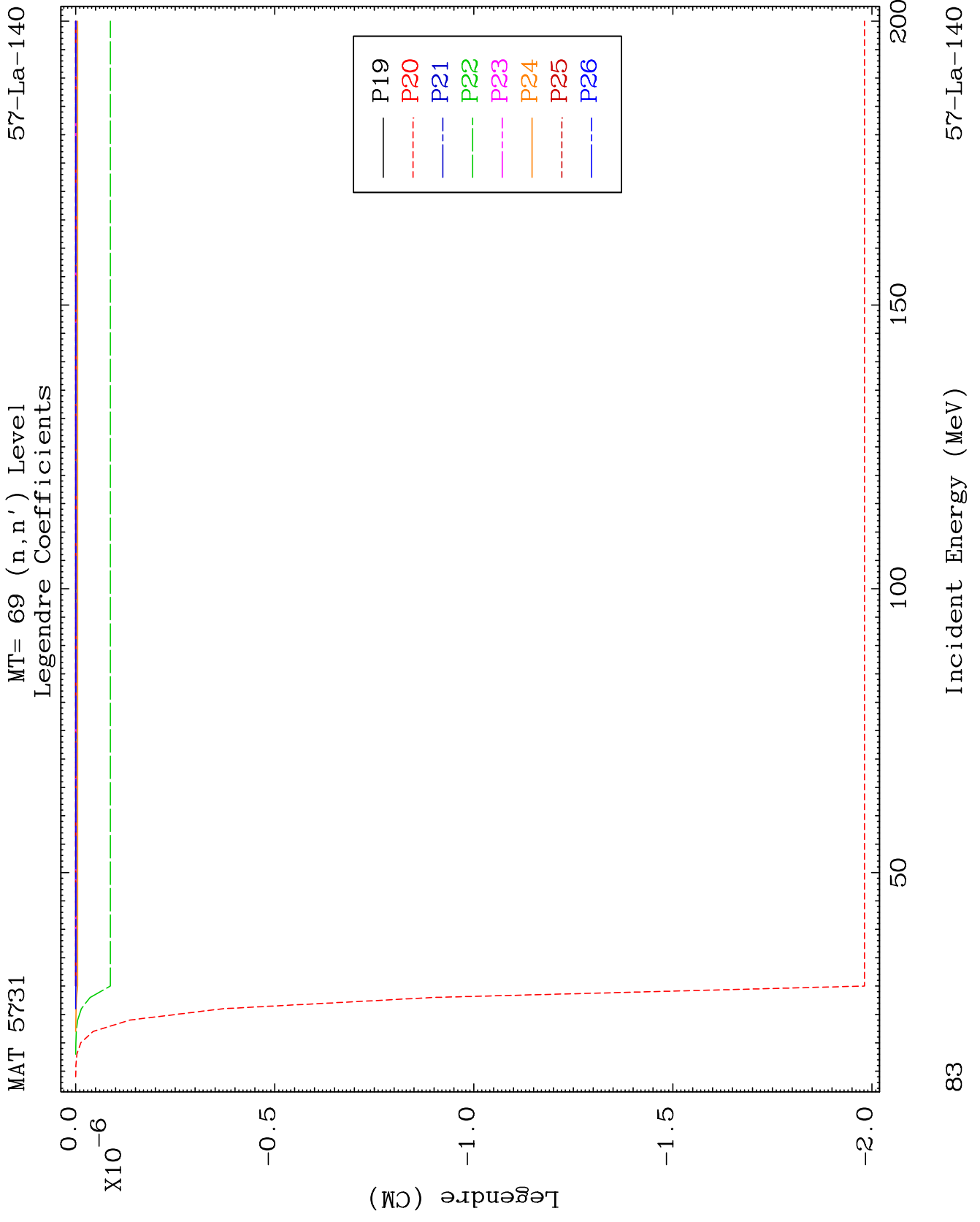
MT= 69 (n,n') Level
Legendre Coefficients

57-La-140



82

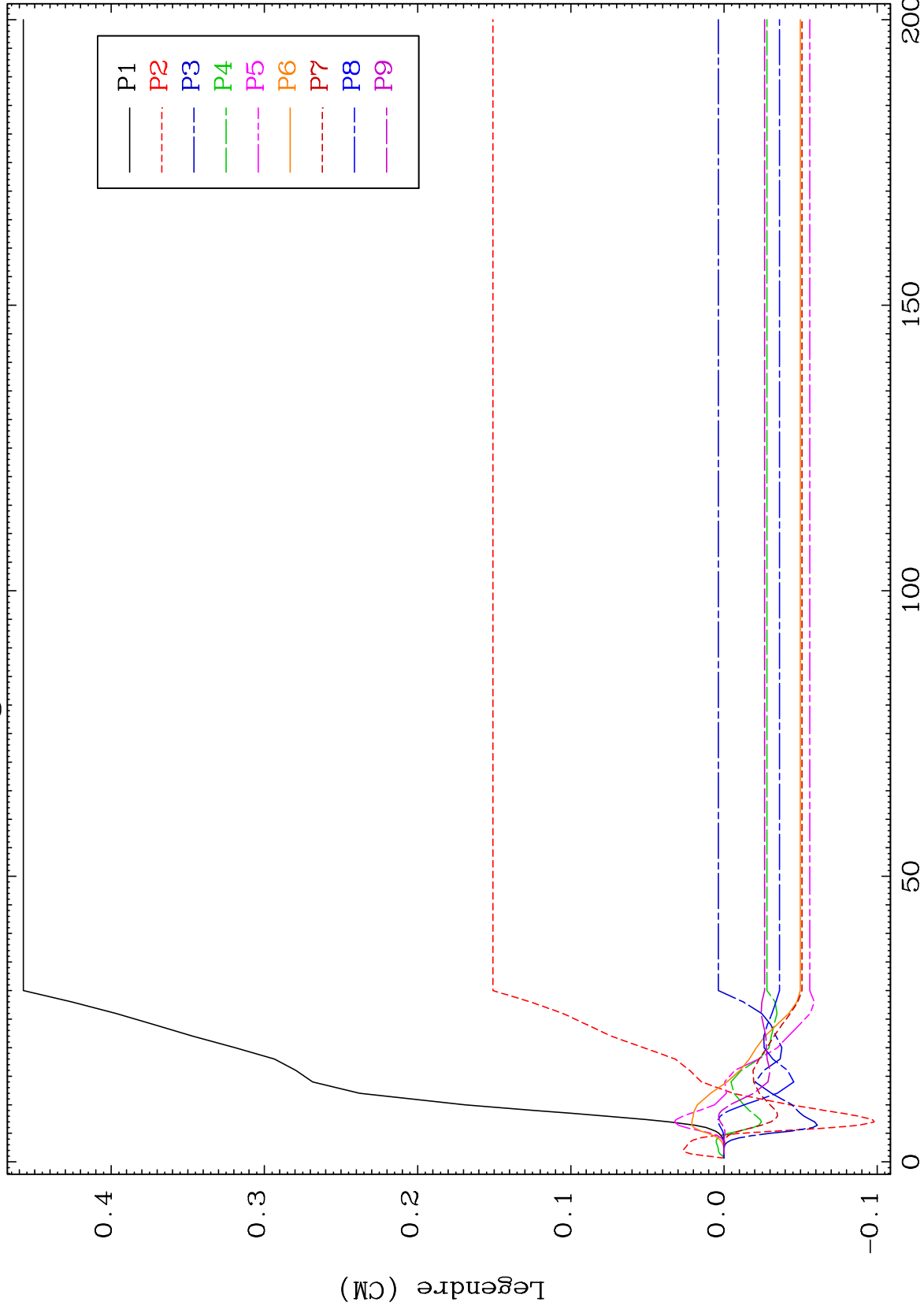
57-La-140



MAT 5731

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

57-La-140



84

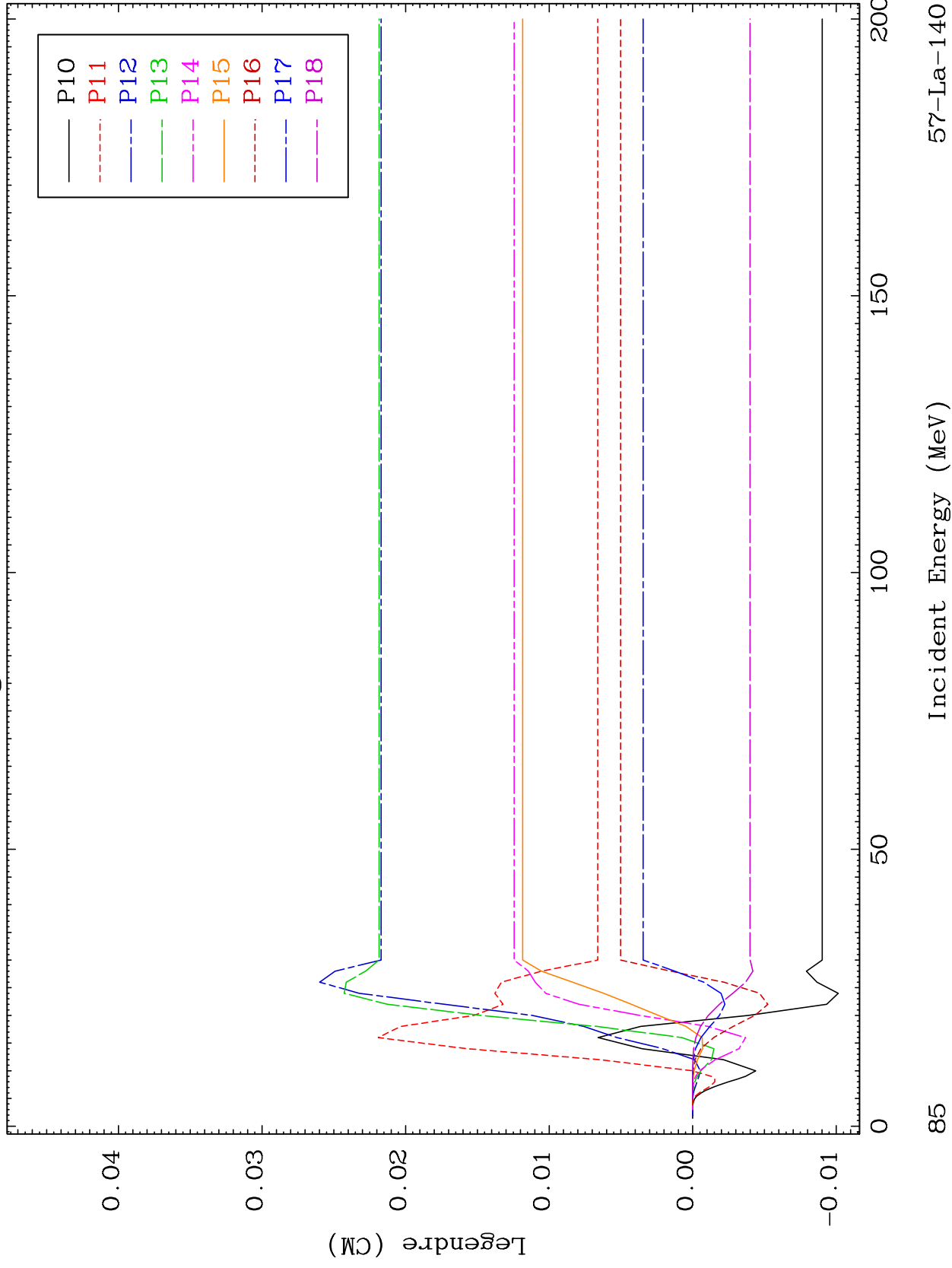
Incident Energy (MeV)

57-La-140

MAT 5731

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

57-La-140



57-La-140

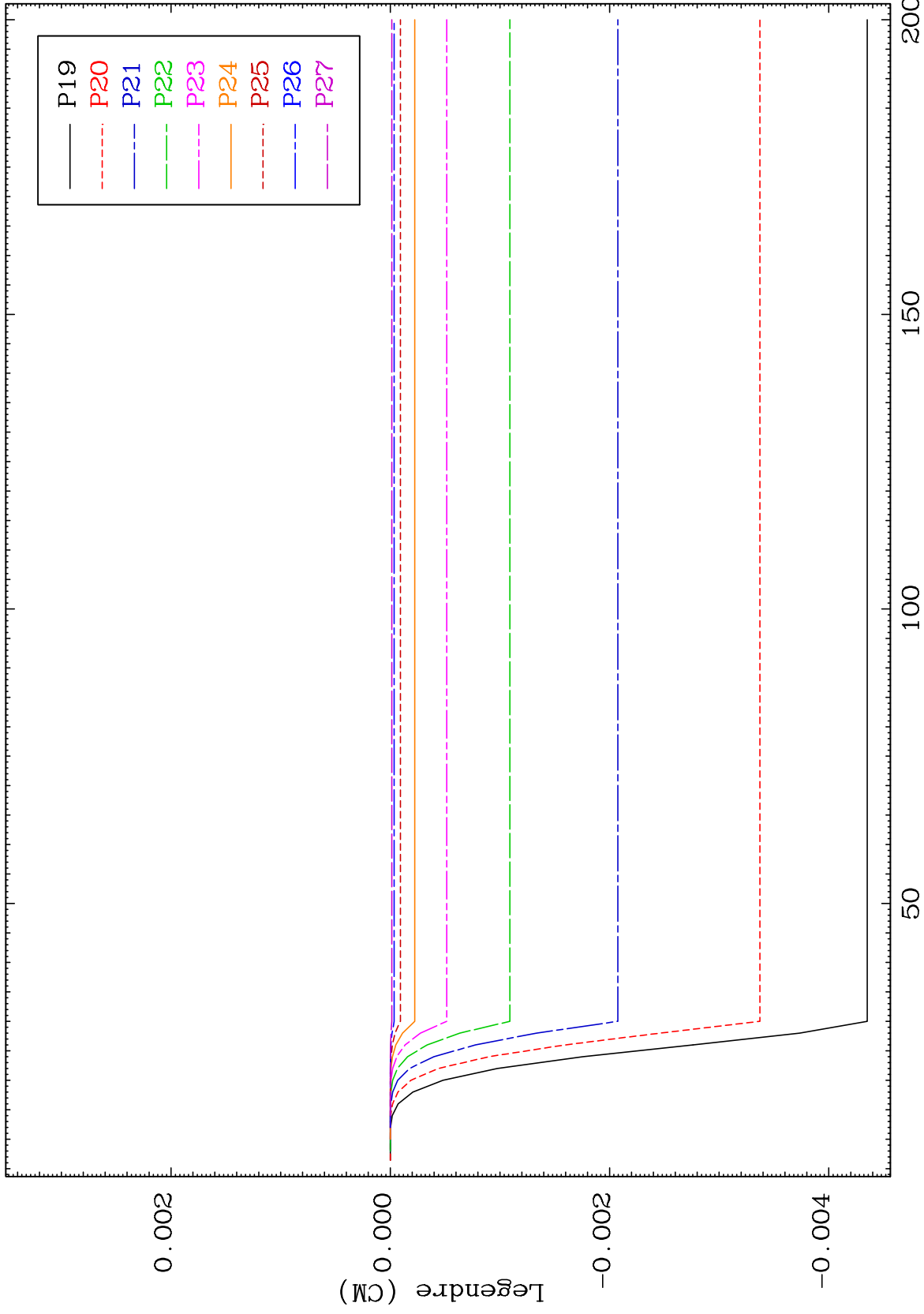
Incident Energy (MeV)

85

MAT 5731

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

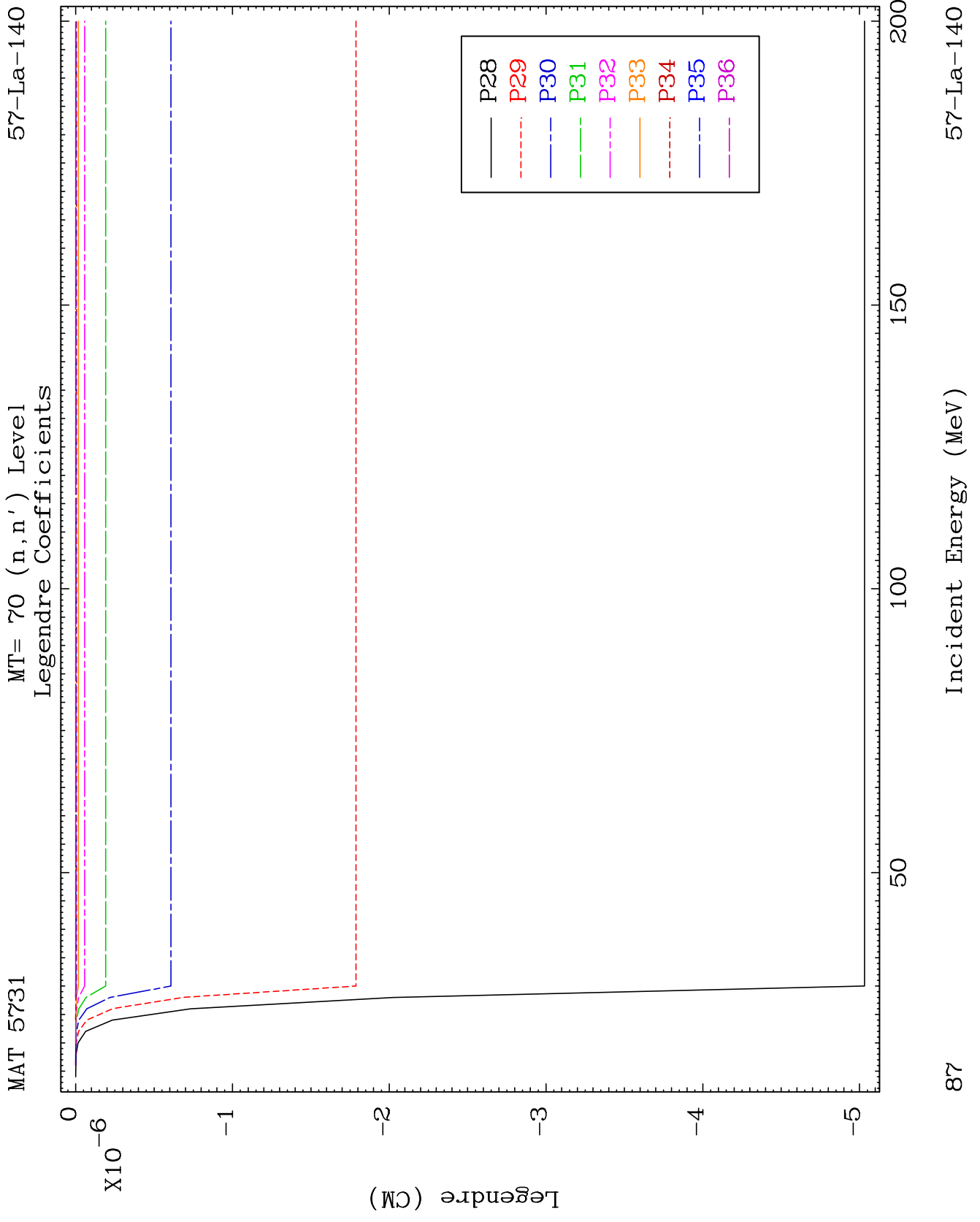
57-La-140



86

Incident Energy (MeV)

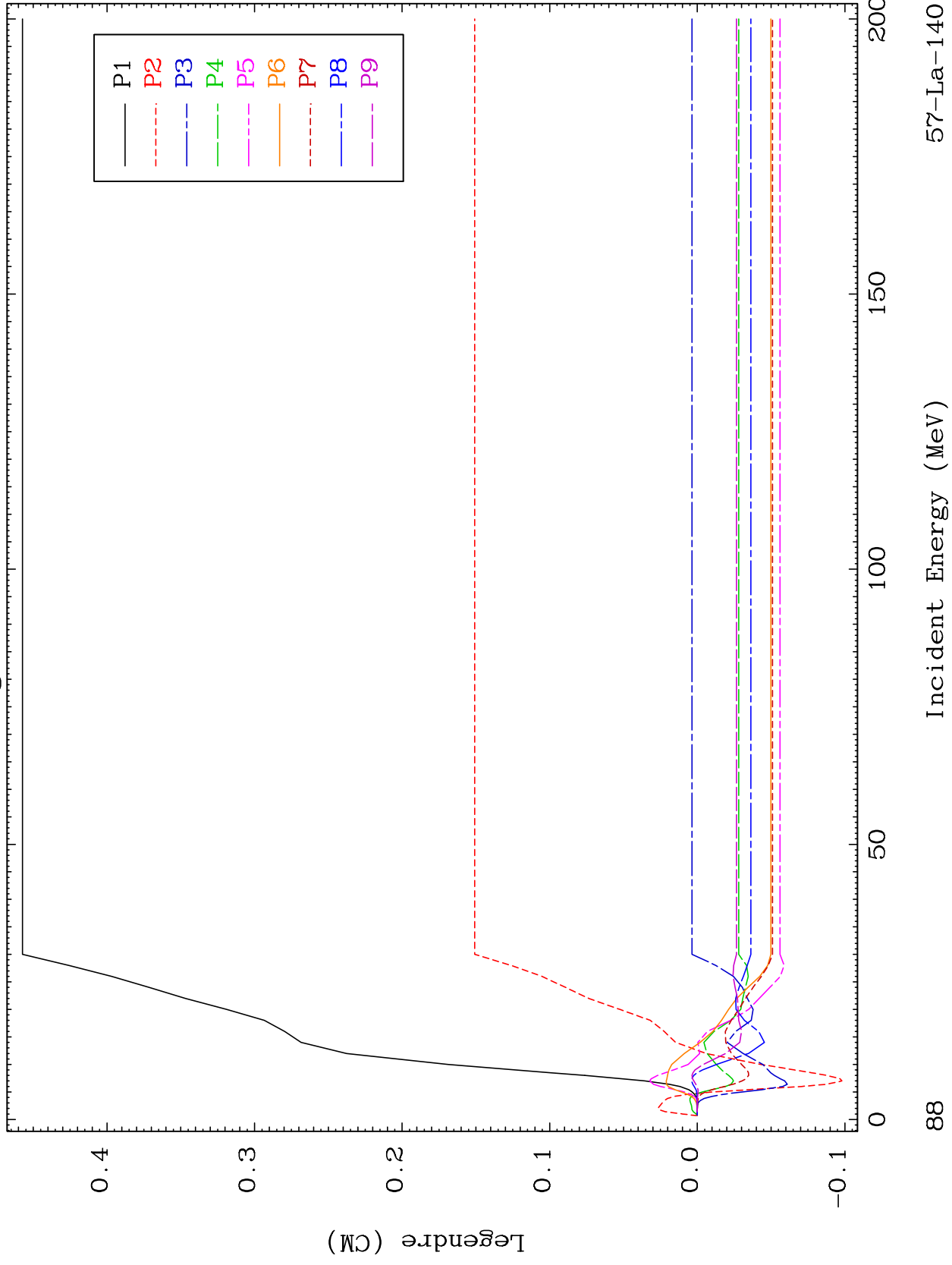
57-La-140



MAT 5731

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

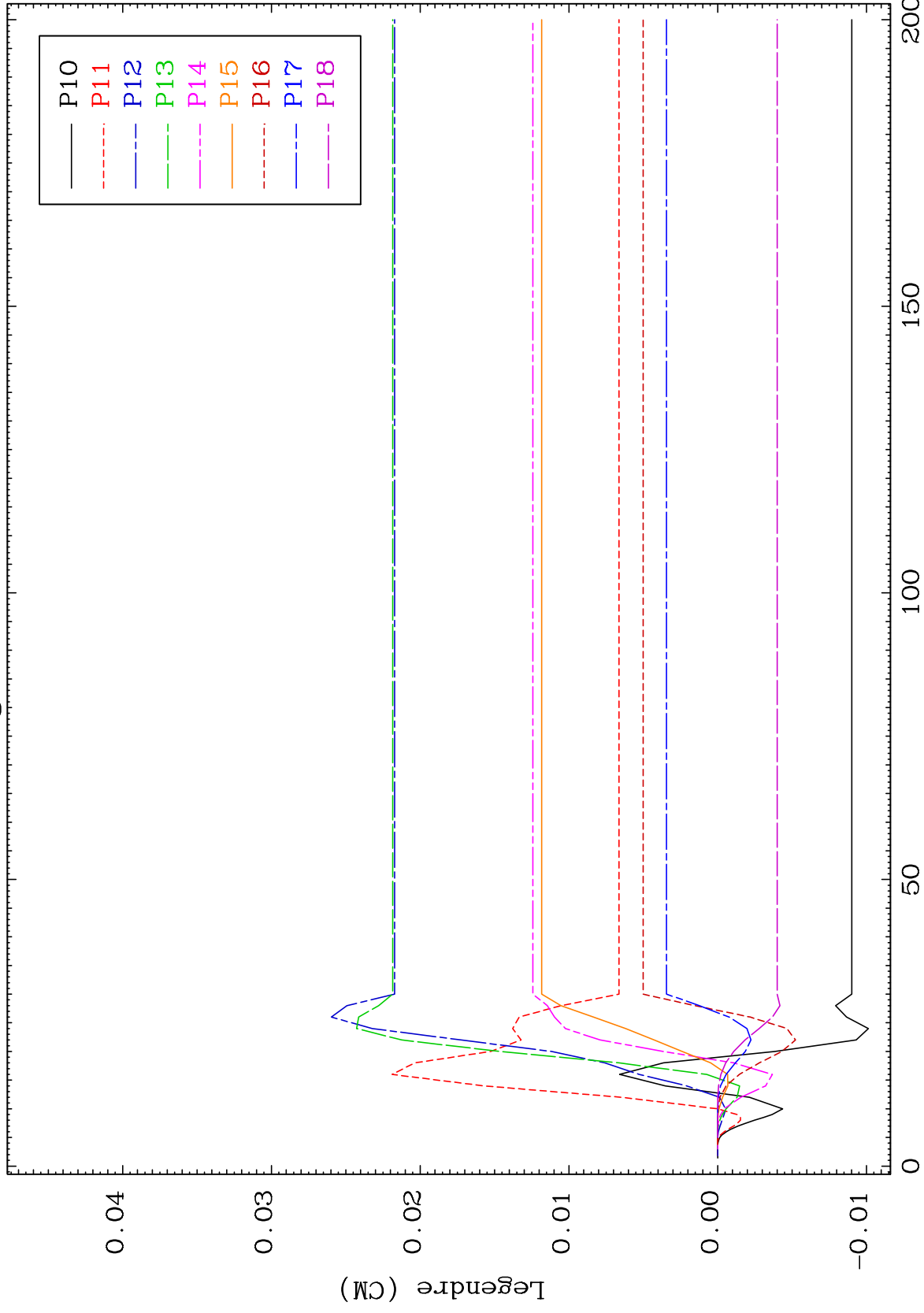
57-La-140



MAT 5731

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

57-La-140



89

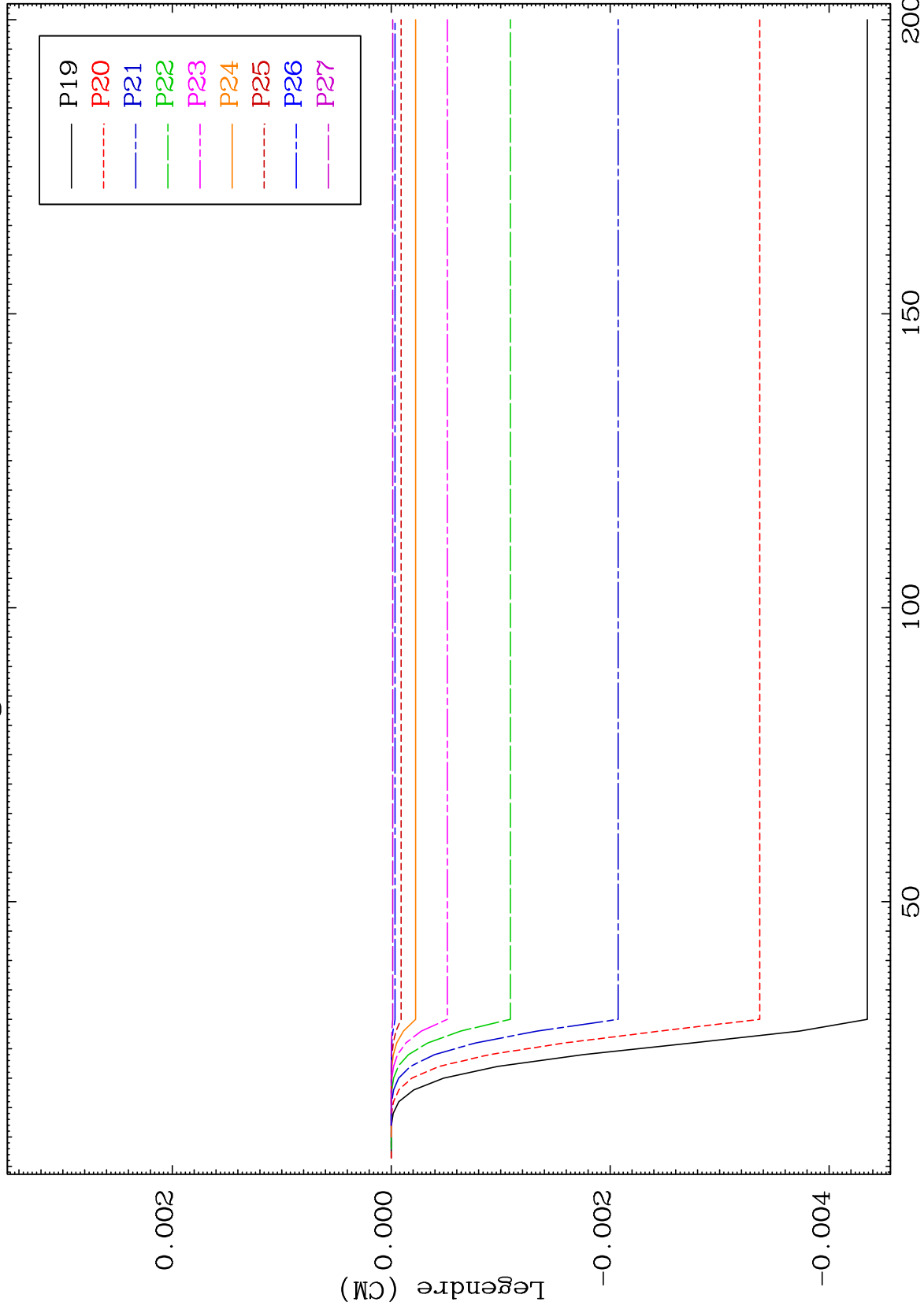
Incident Energy (MeV)

57-La-140

MAT 5731

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

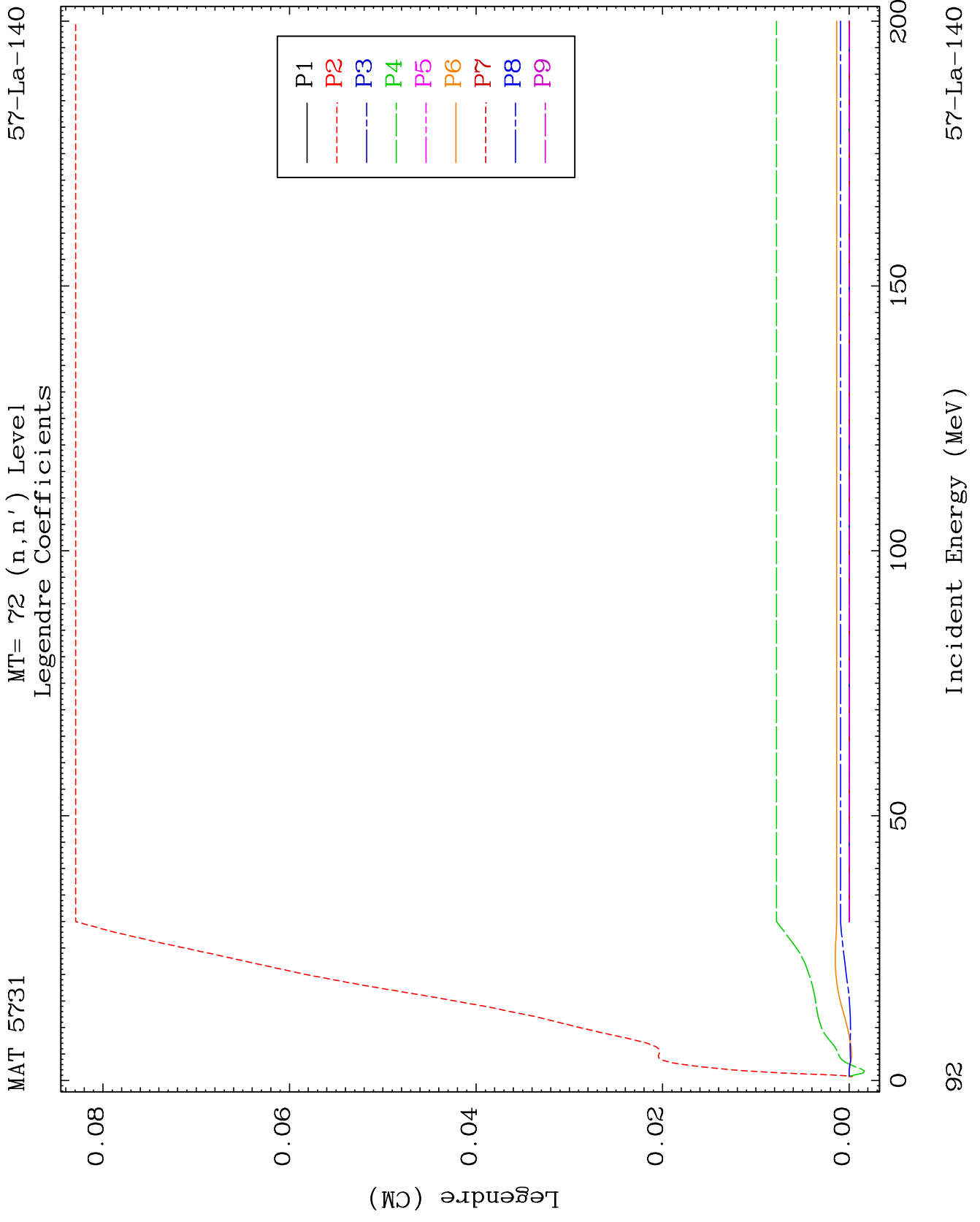
57-La-140



90

Incident Energy (MeV)

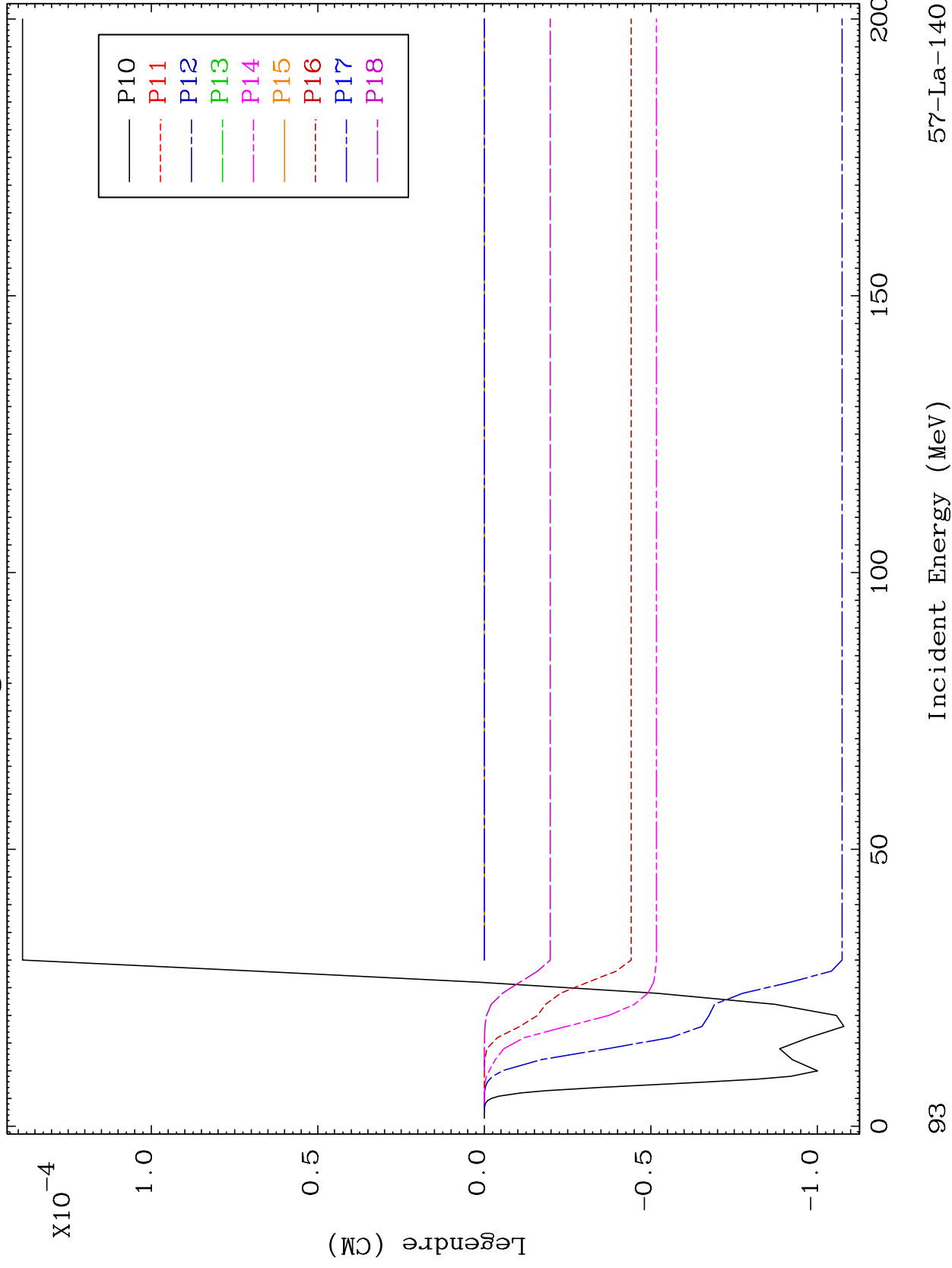
57-La-140

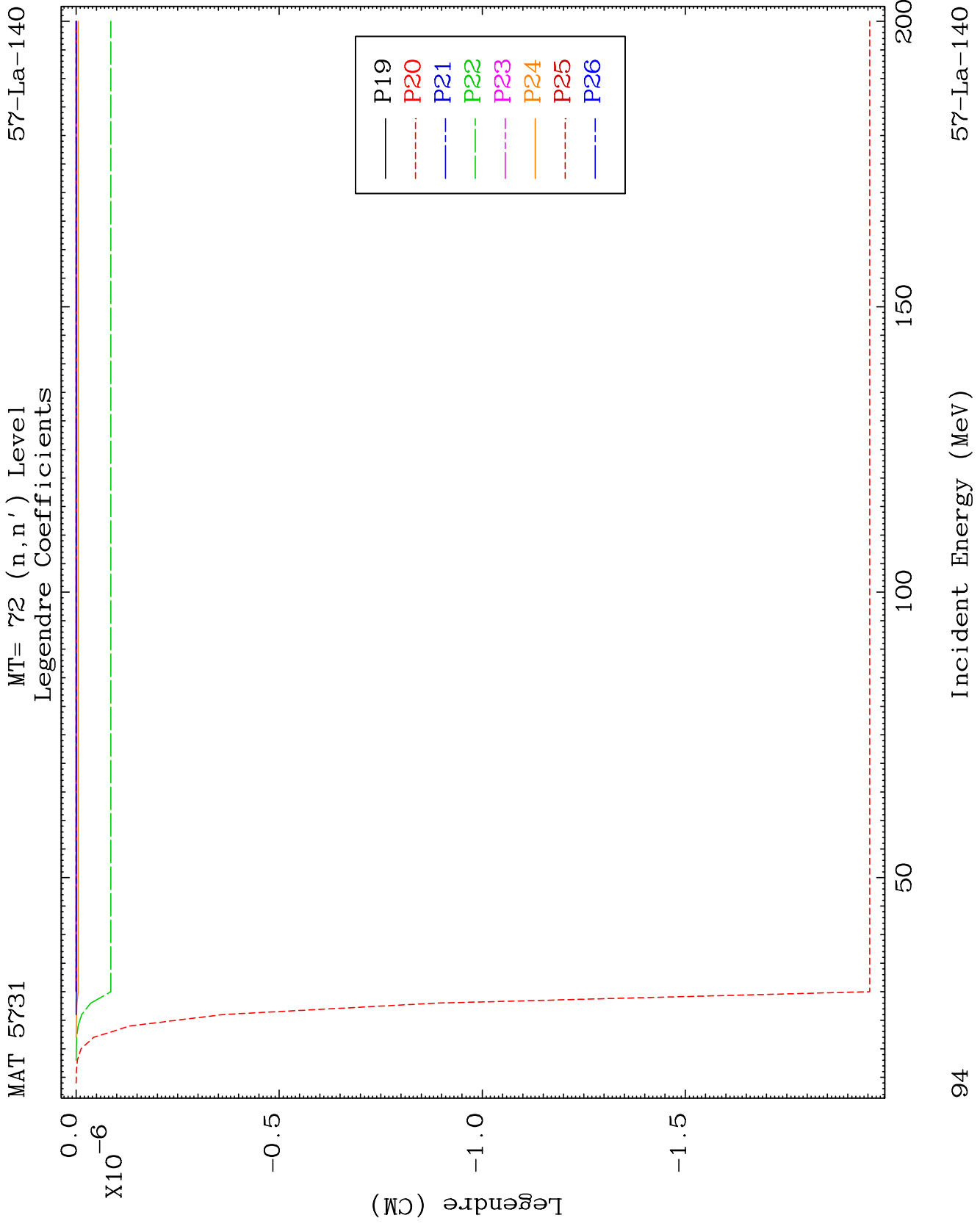


MAT 5731

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

57-La-140

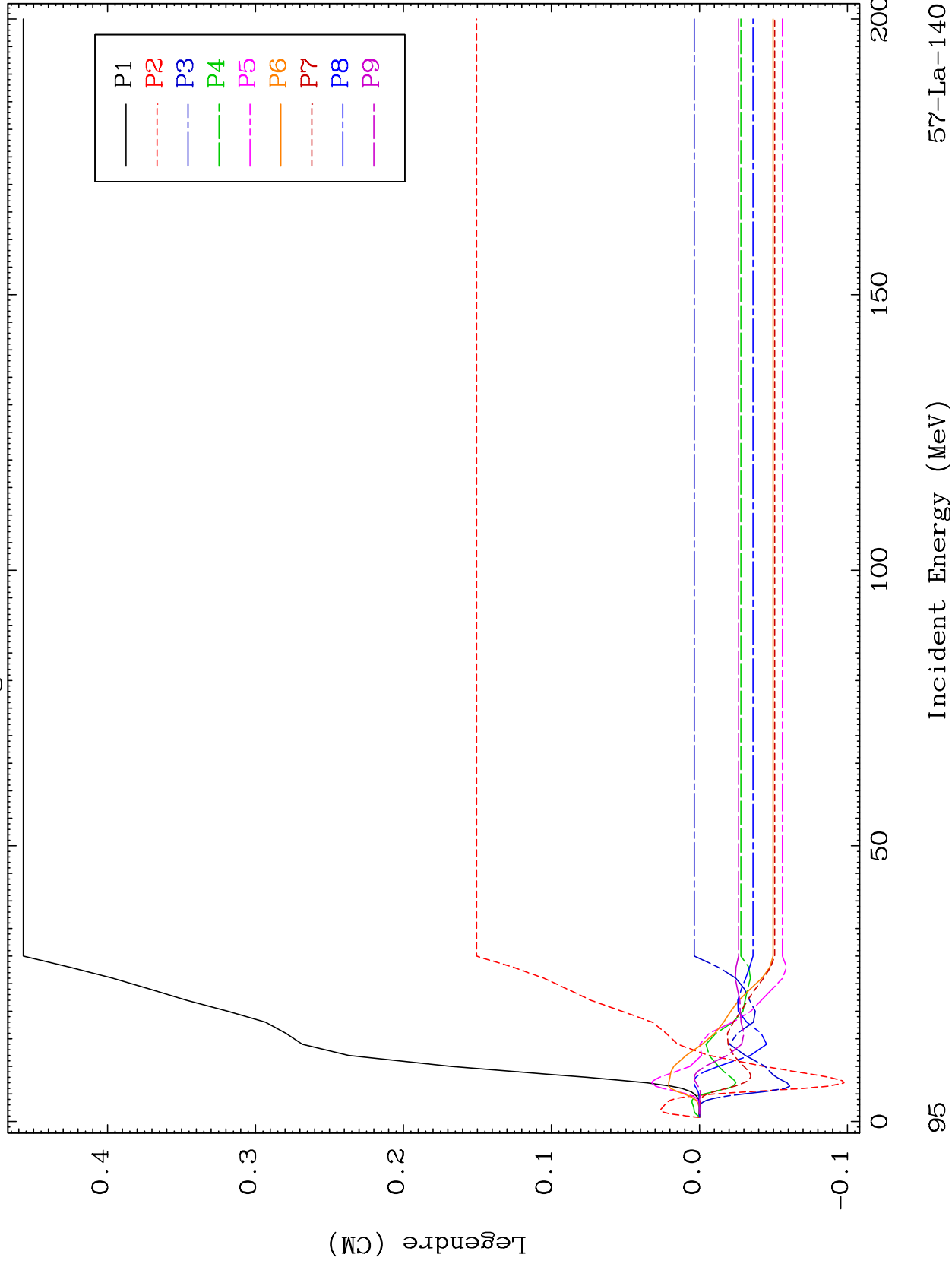




MAT 5731

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

57-La-140



57-La-140

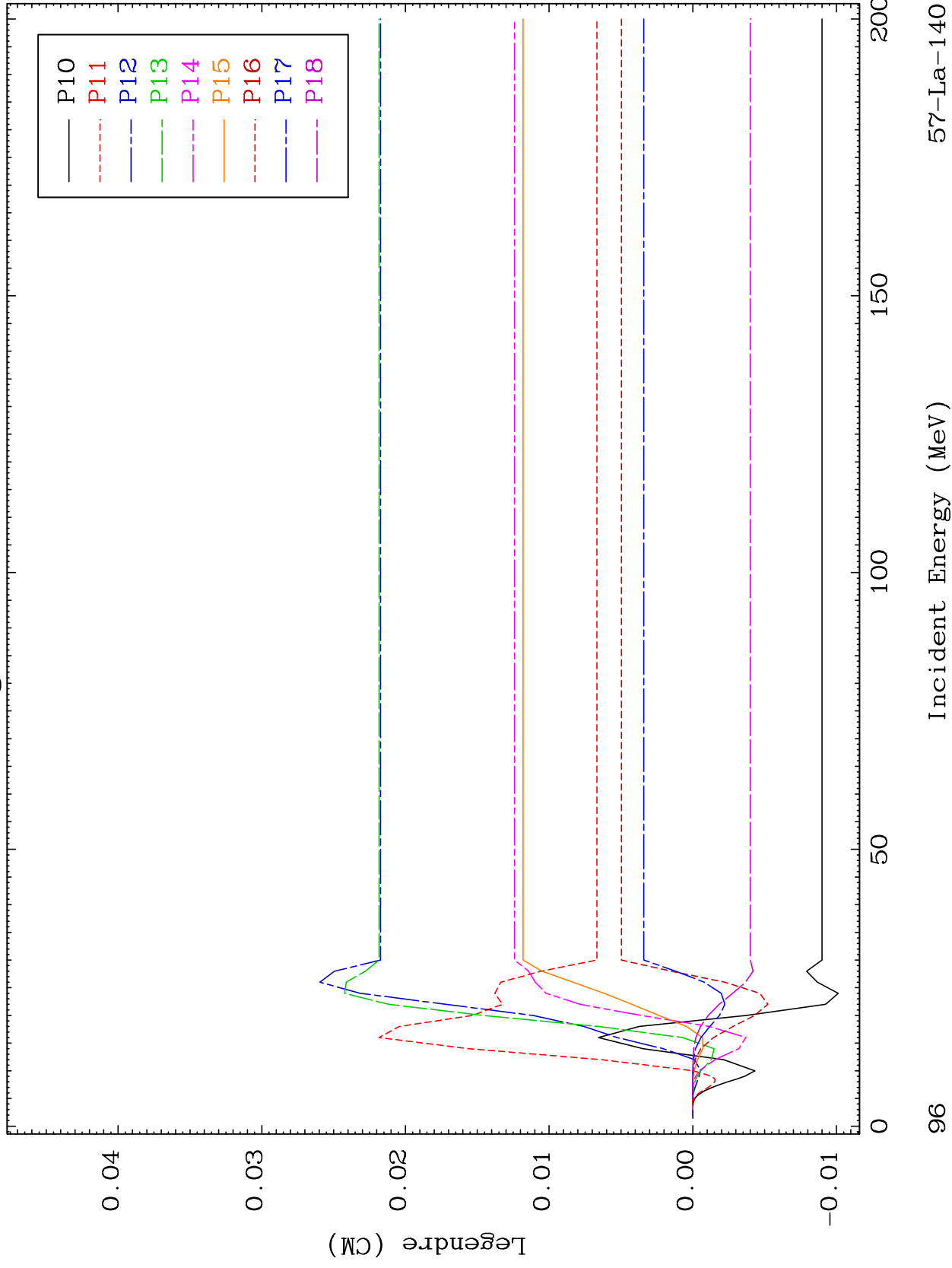
Incident Energy (MeV)

95

MAT 5731

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

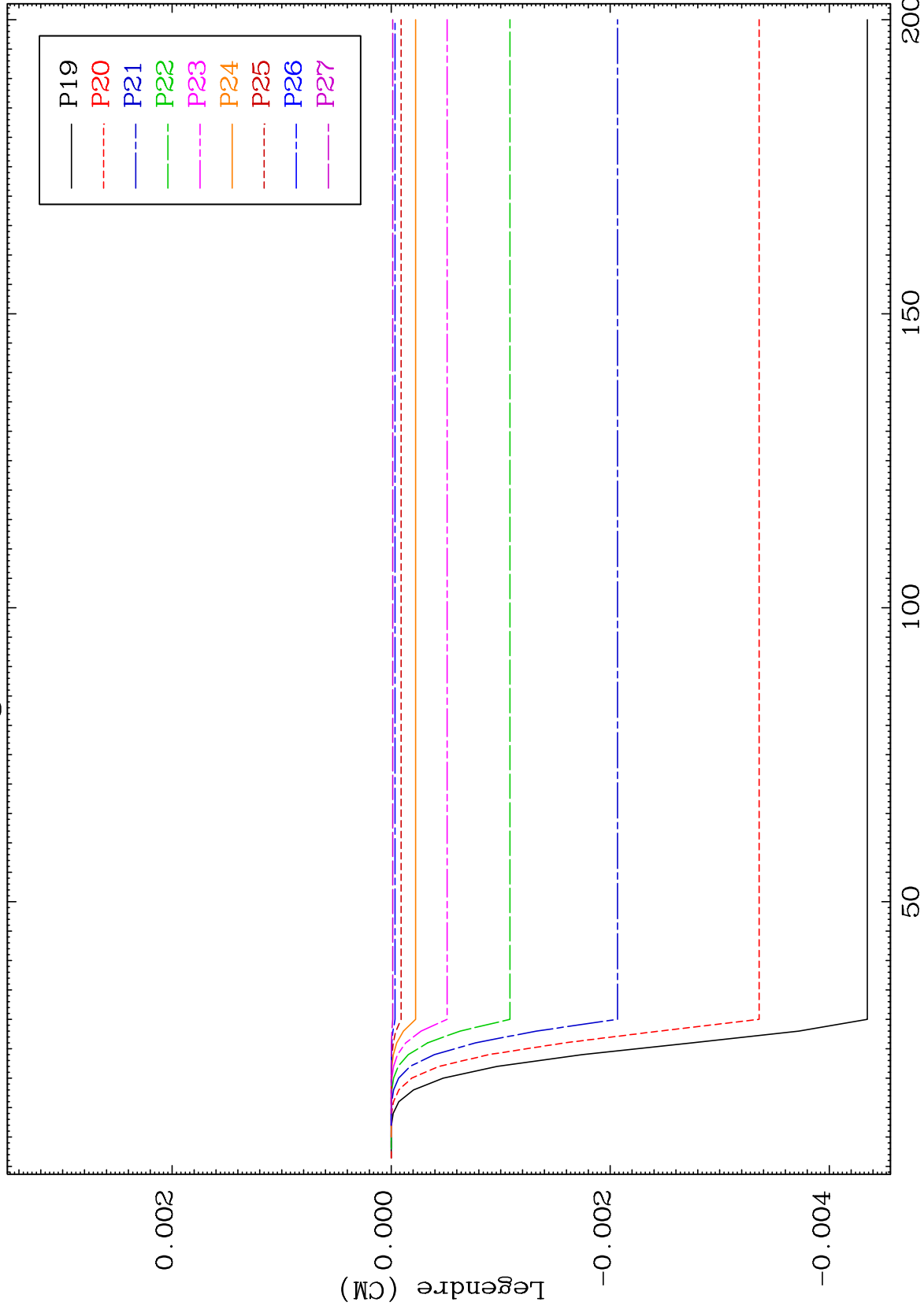
57-La-140



MAT 5731

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

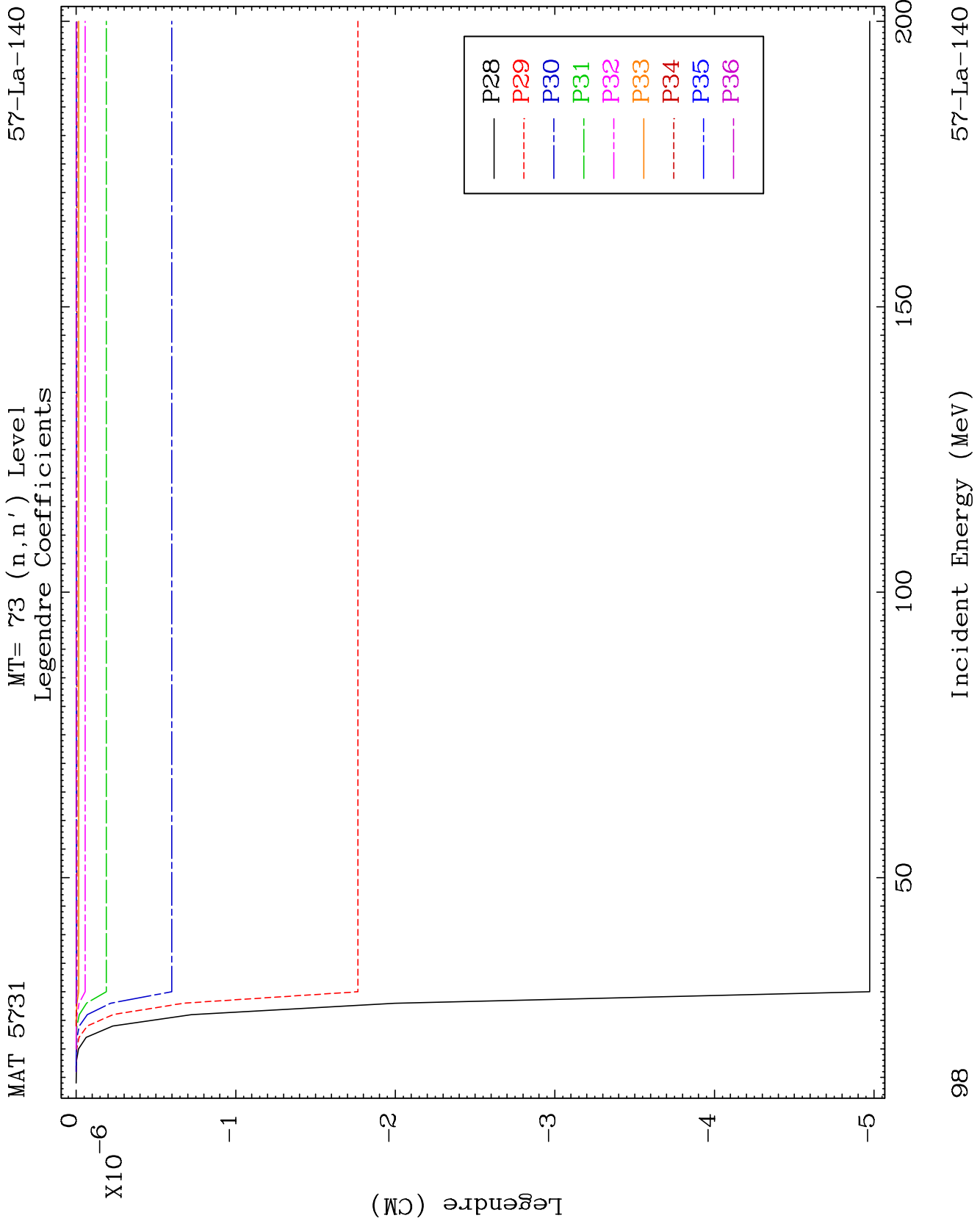
57-La-140



97

Incident Energy (MeV)

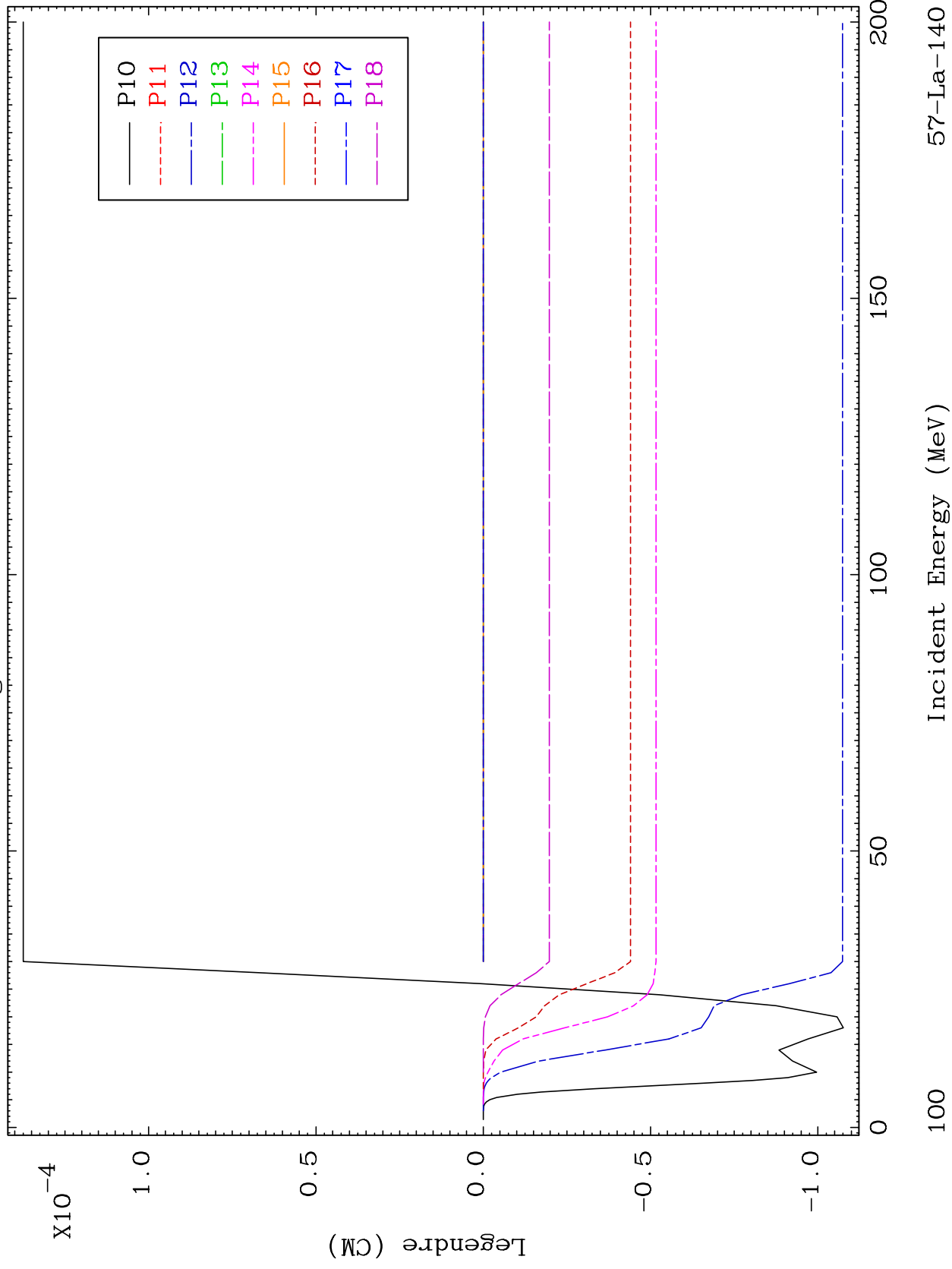
57-La-140



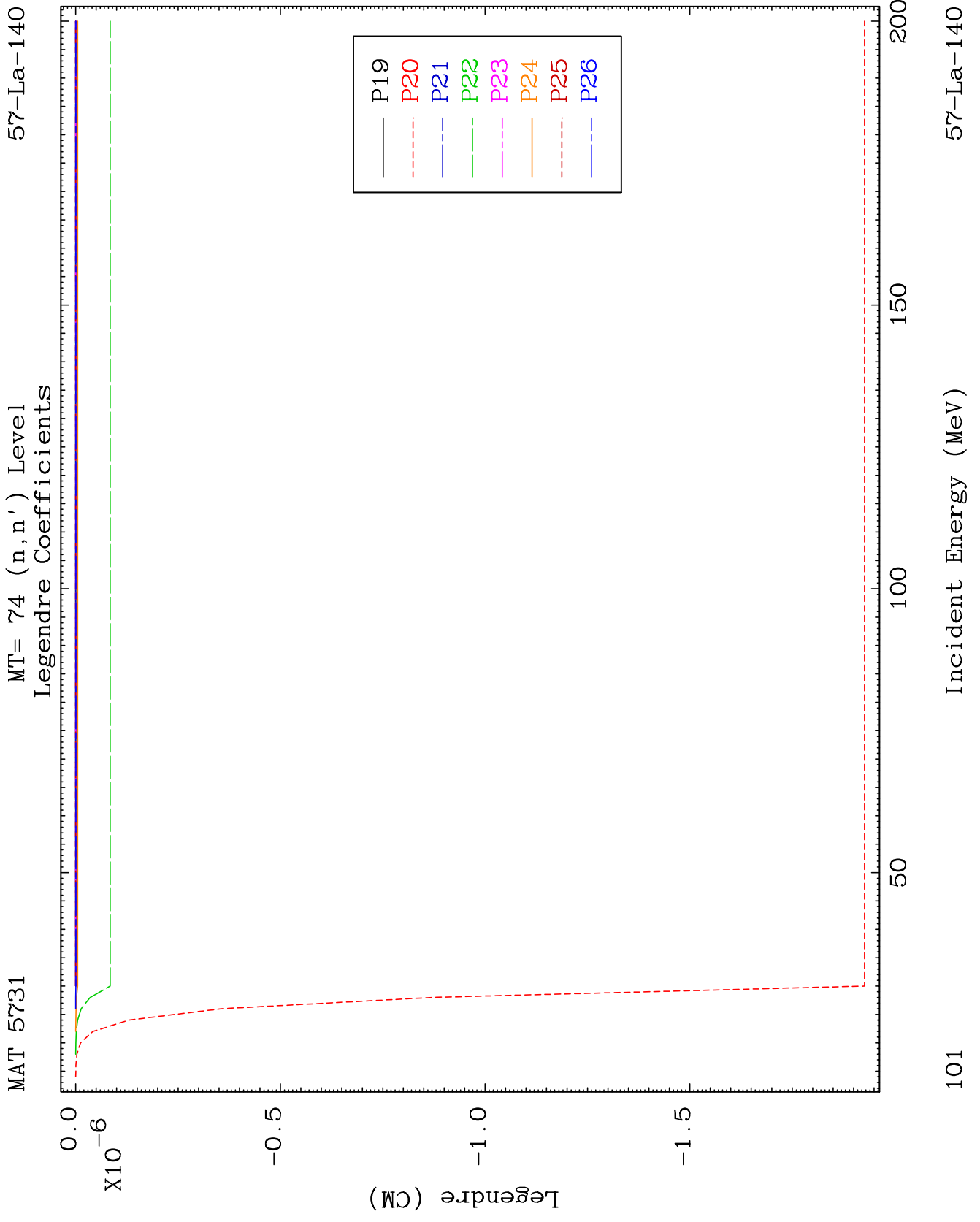
MAT 5731

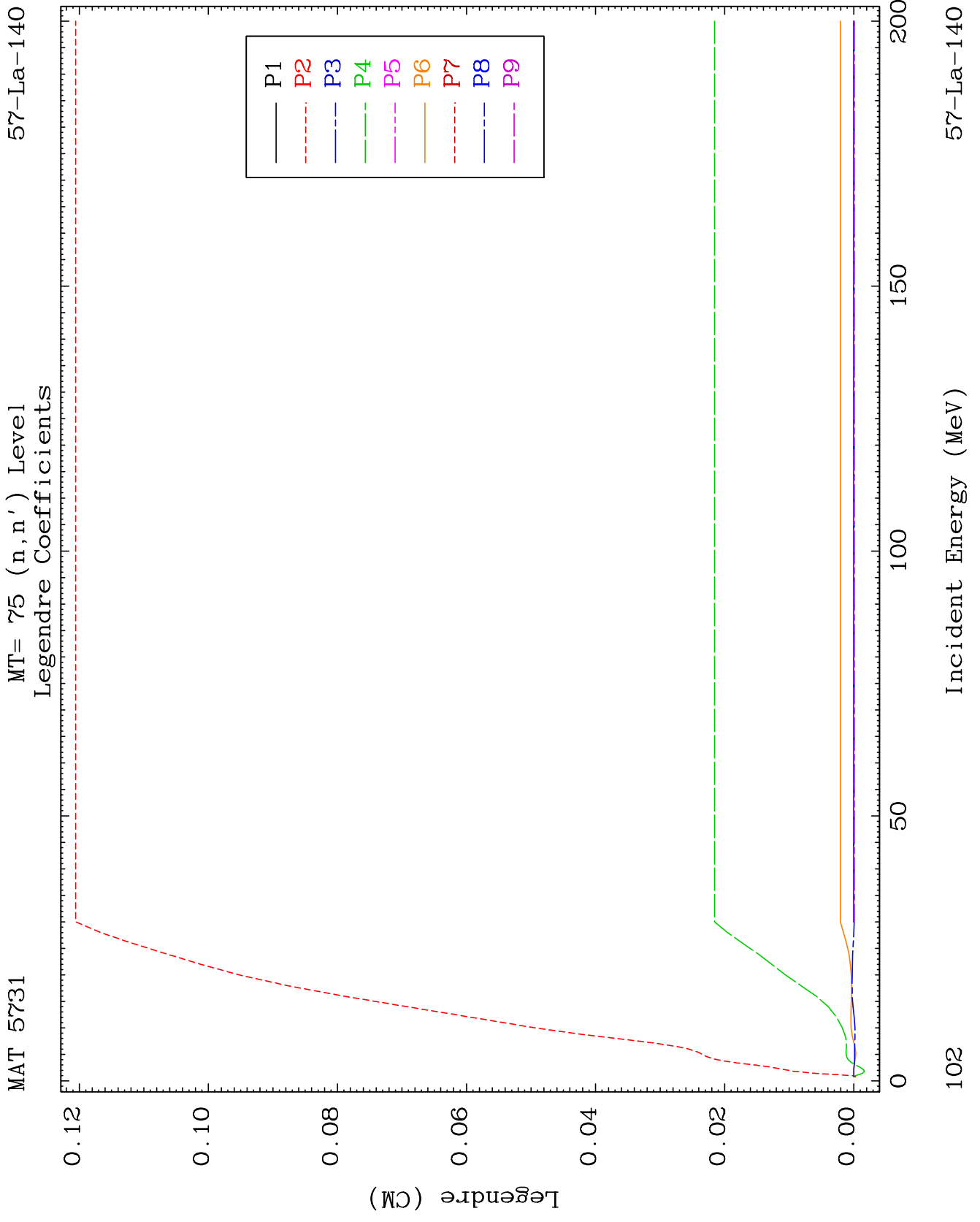
MT= 74 (n,n') Level
Legendre Coefficients

57-La-140



57-La-140

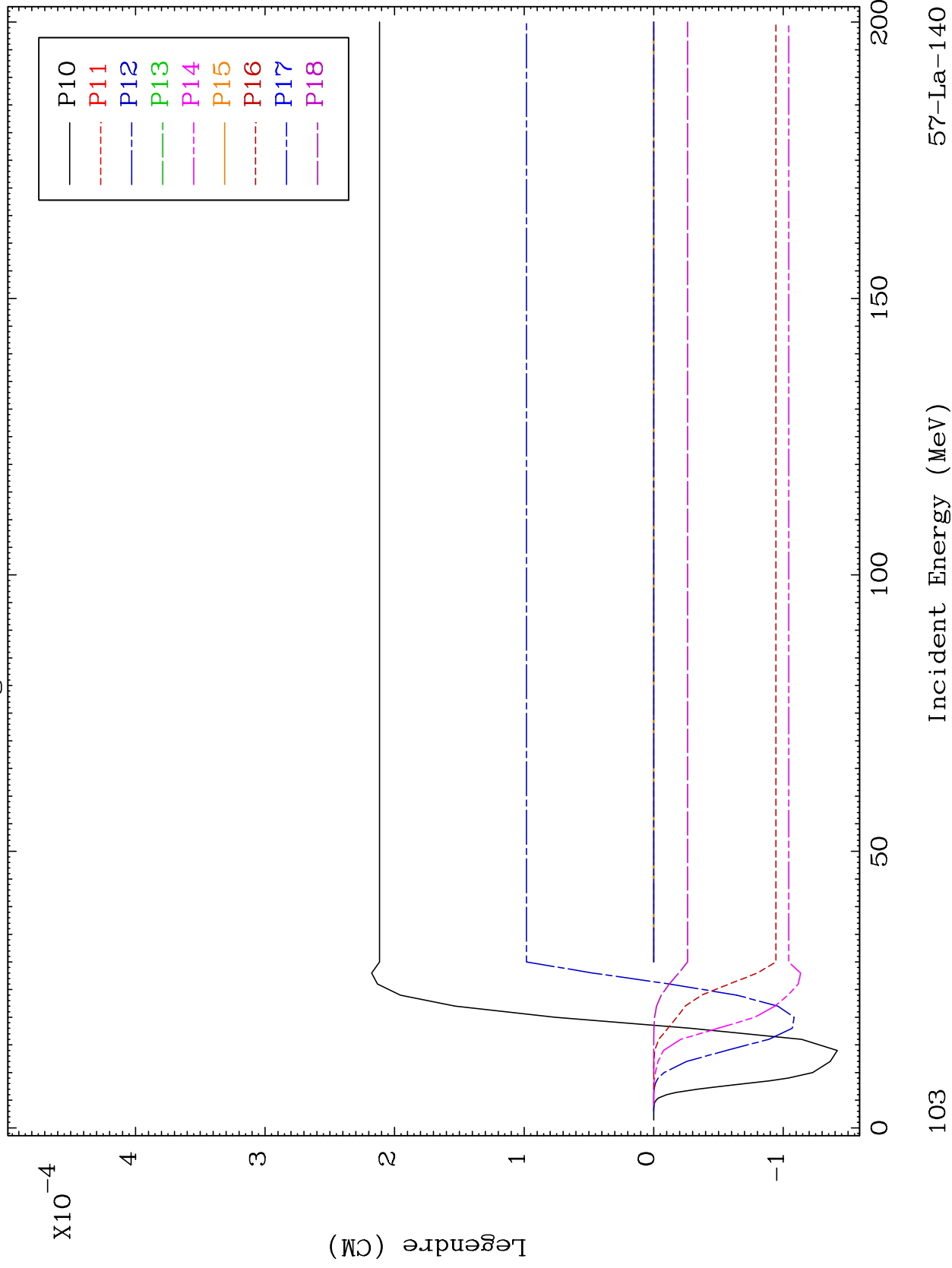




MAT 5731

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

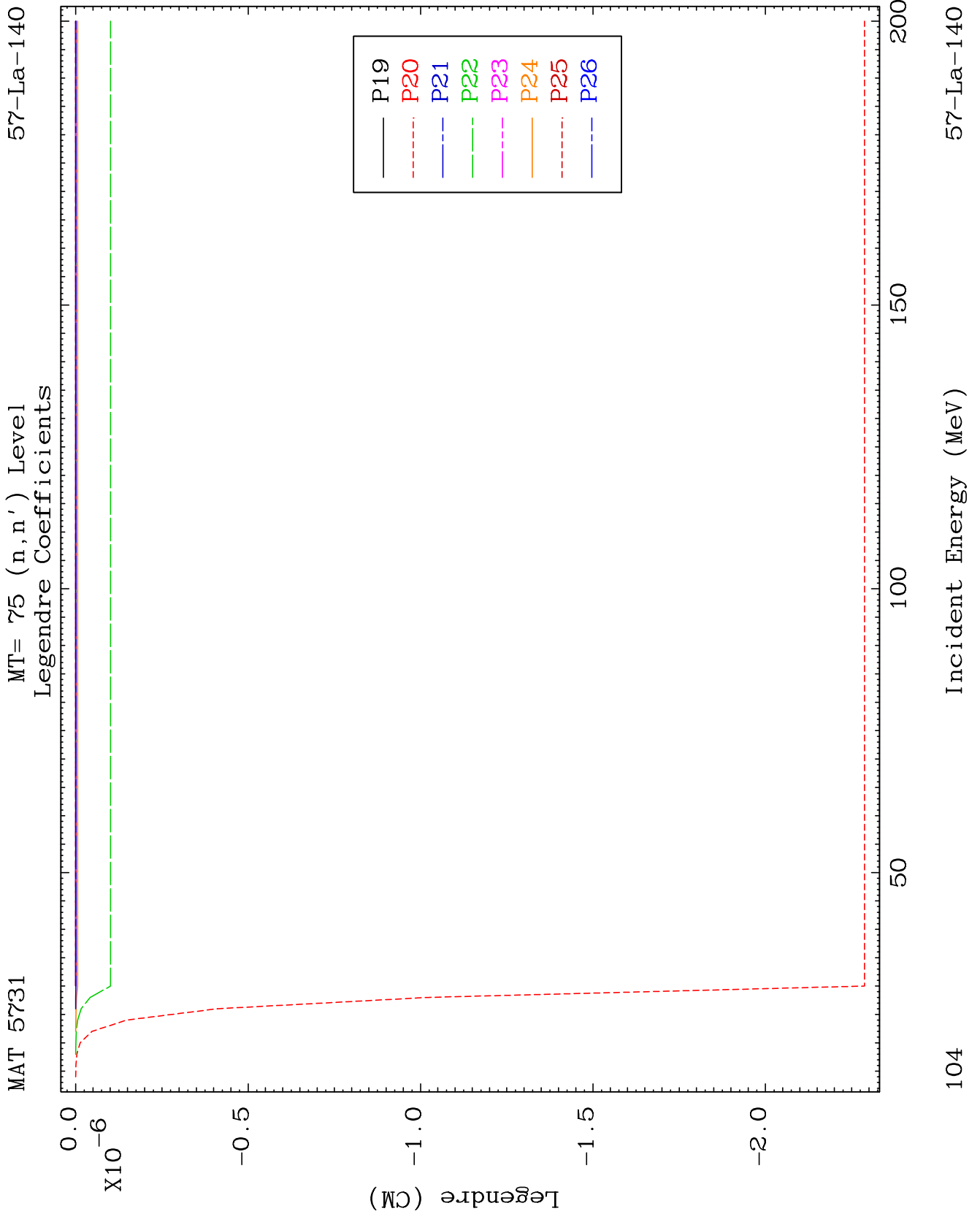
57-La-140



57-La-140

Incident Energy (MeV)

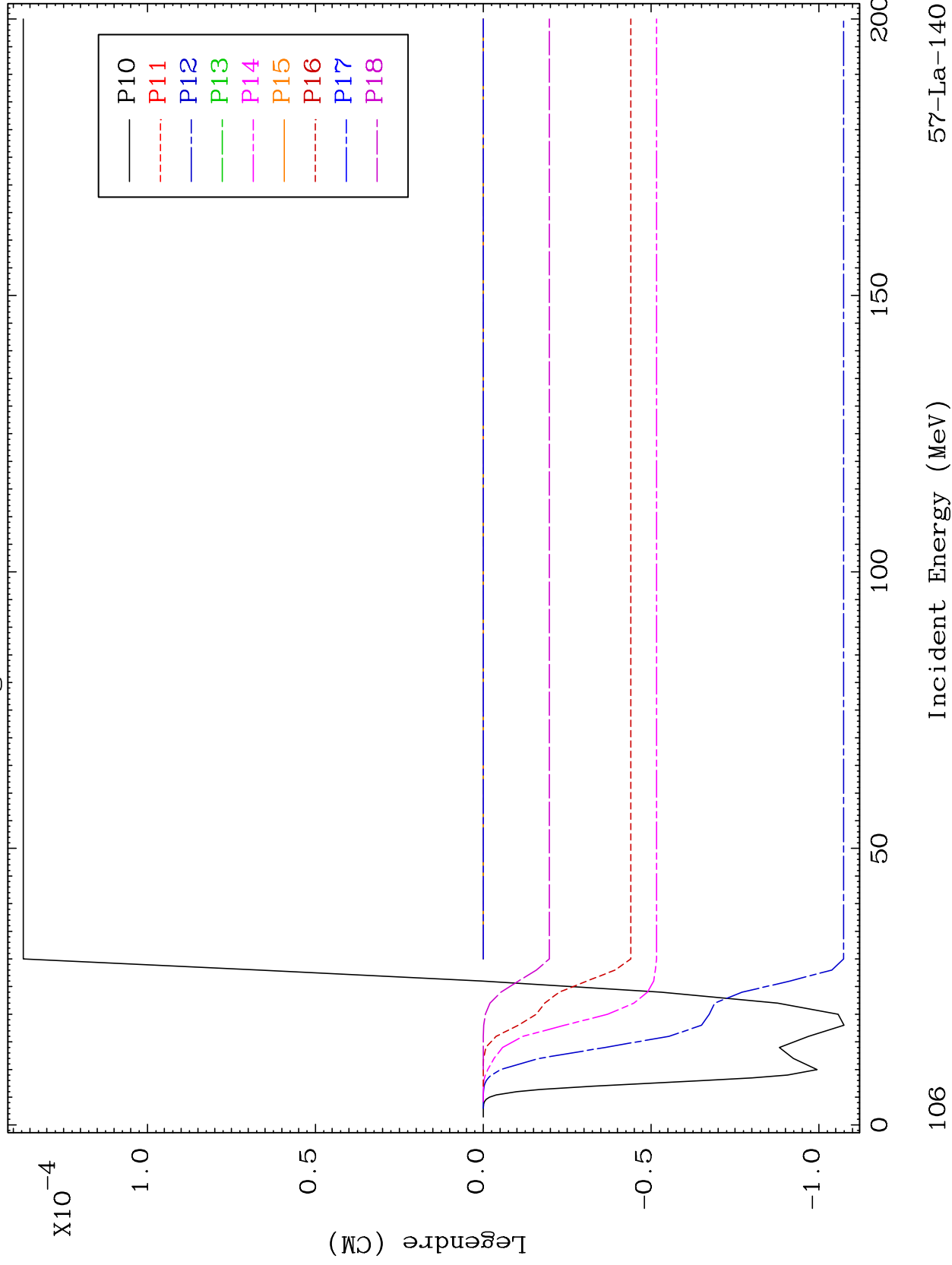
103



MAT 5731

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

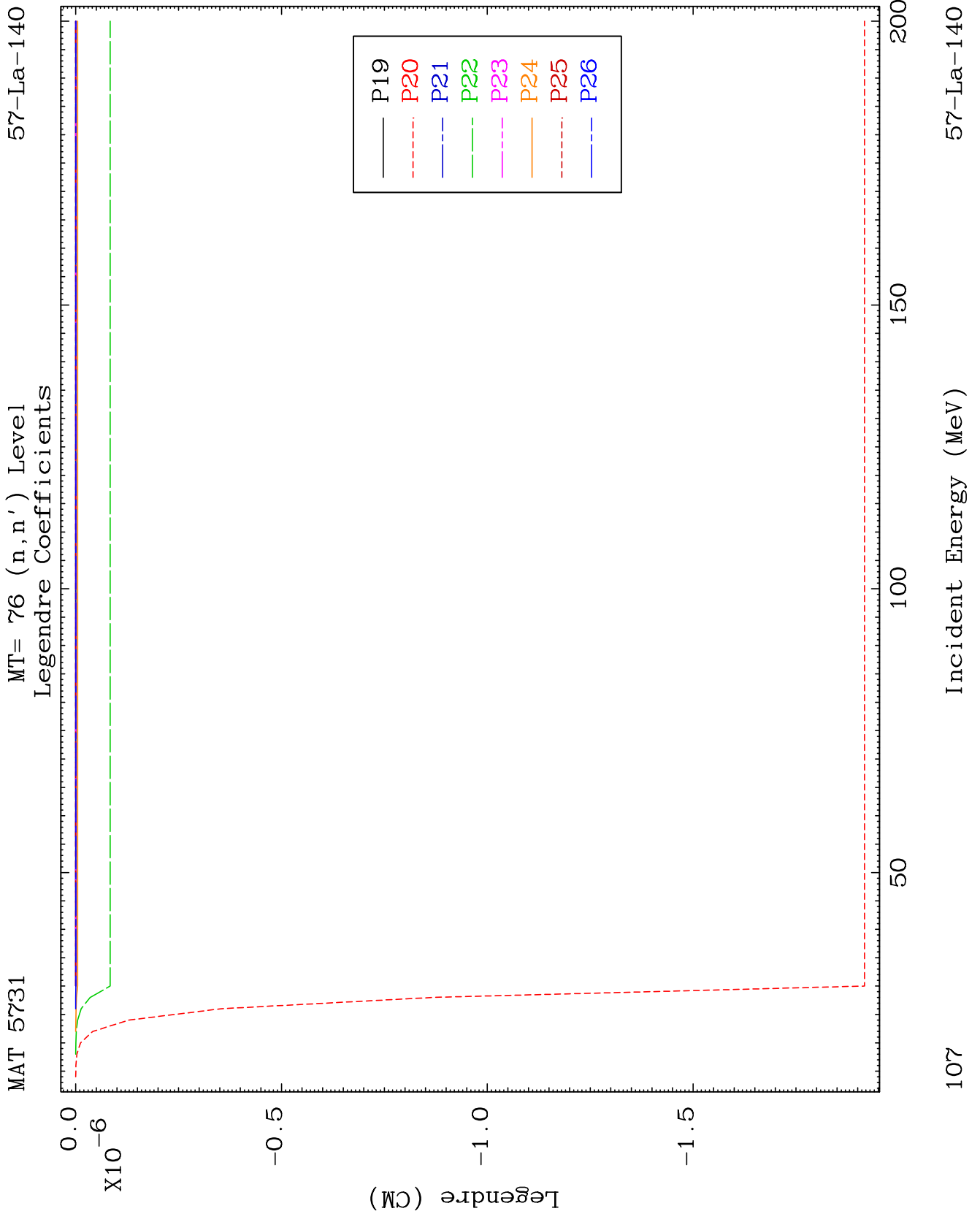
57-La-140

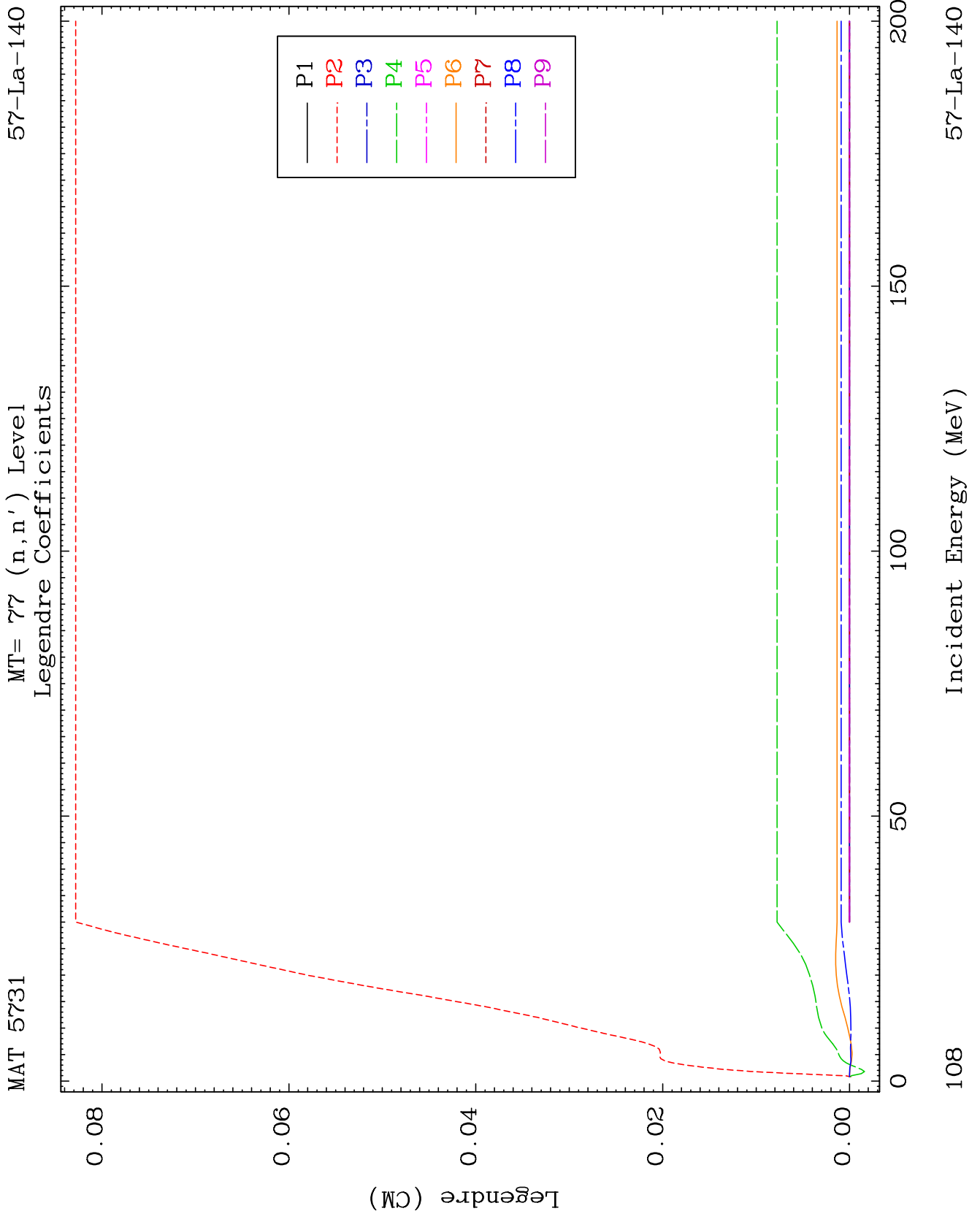


57-La-140

Incident Energy (MeV)

106

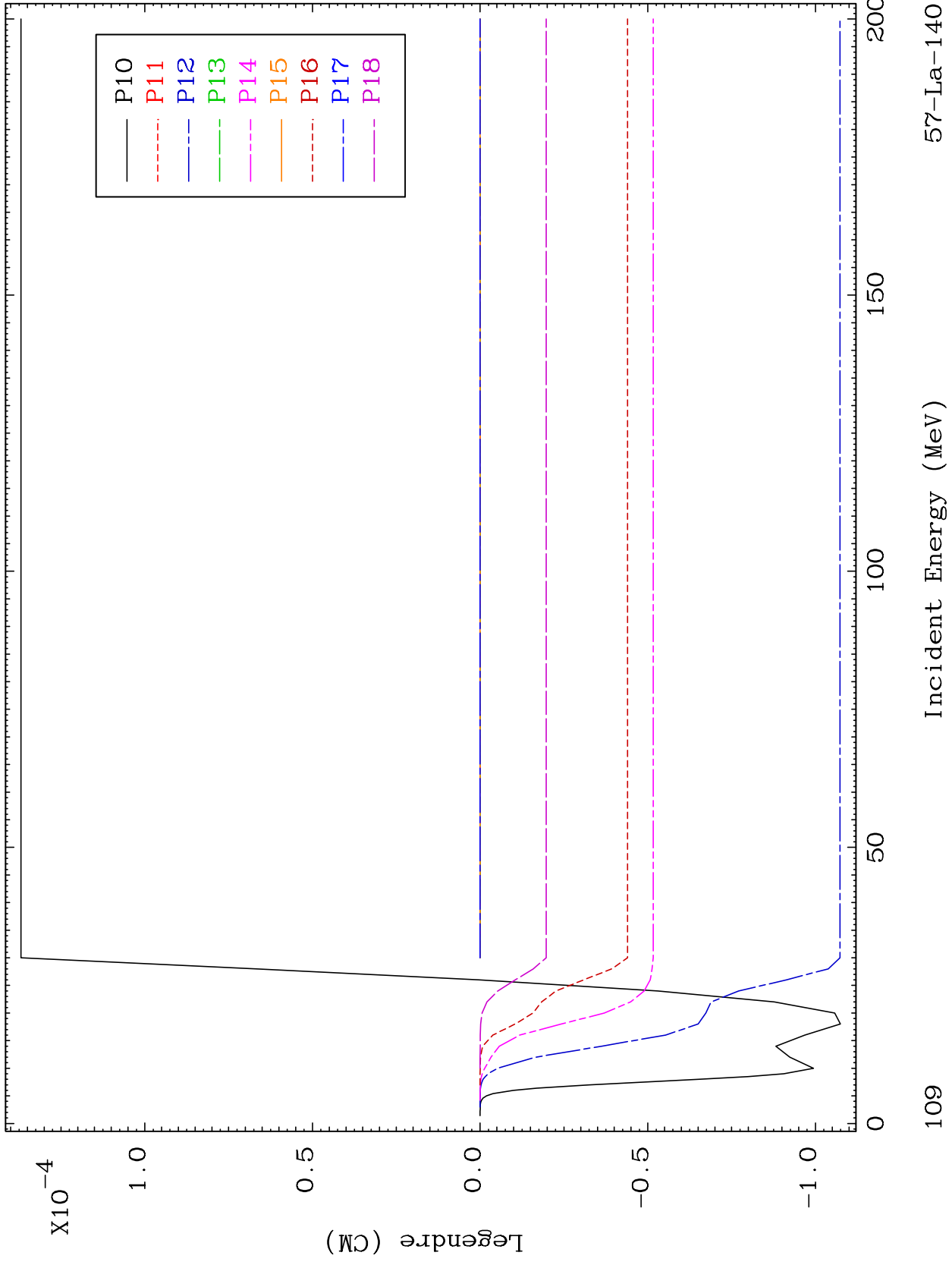




MAT 5731

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

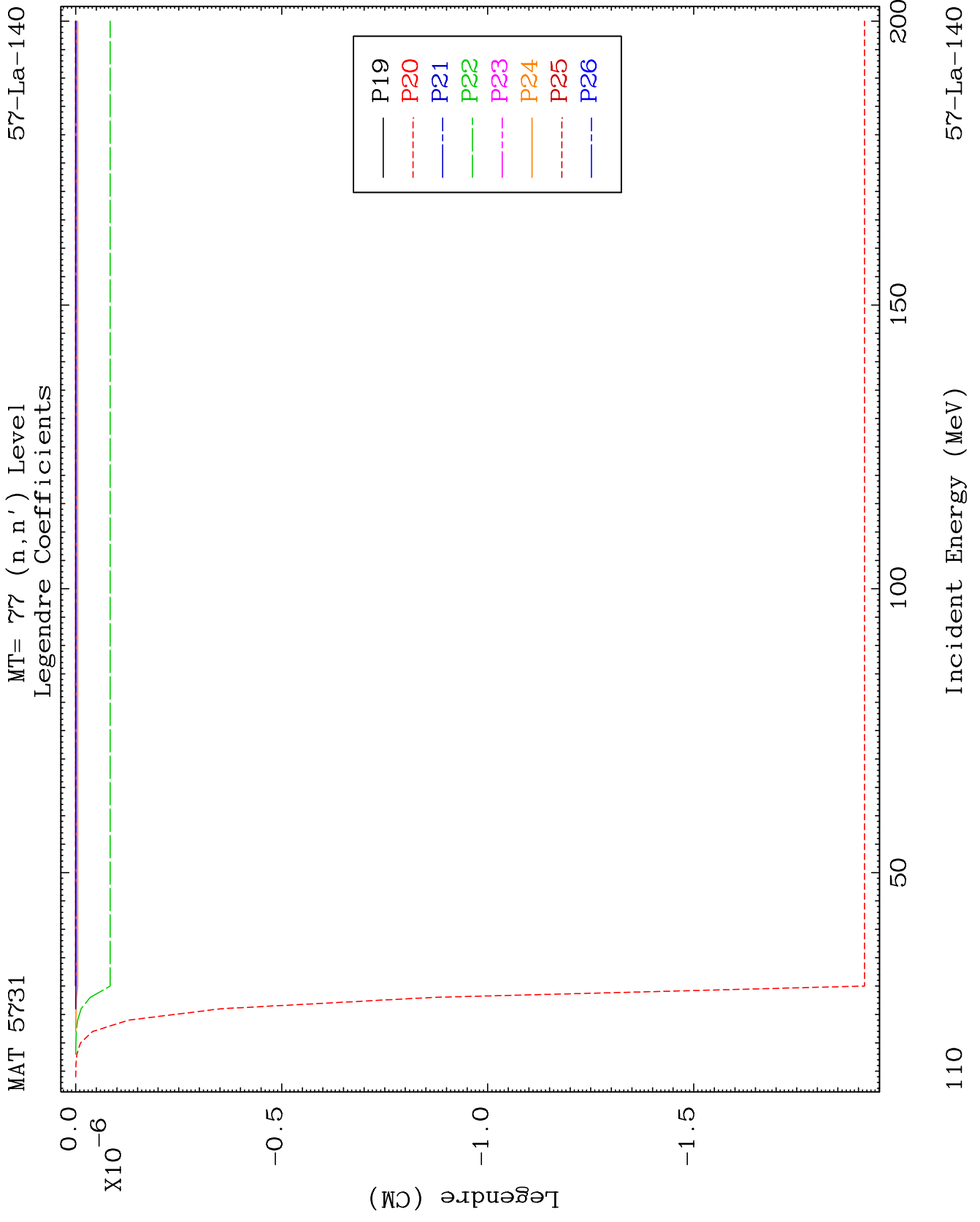
57-La-140

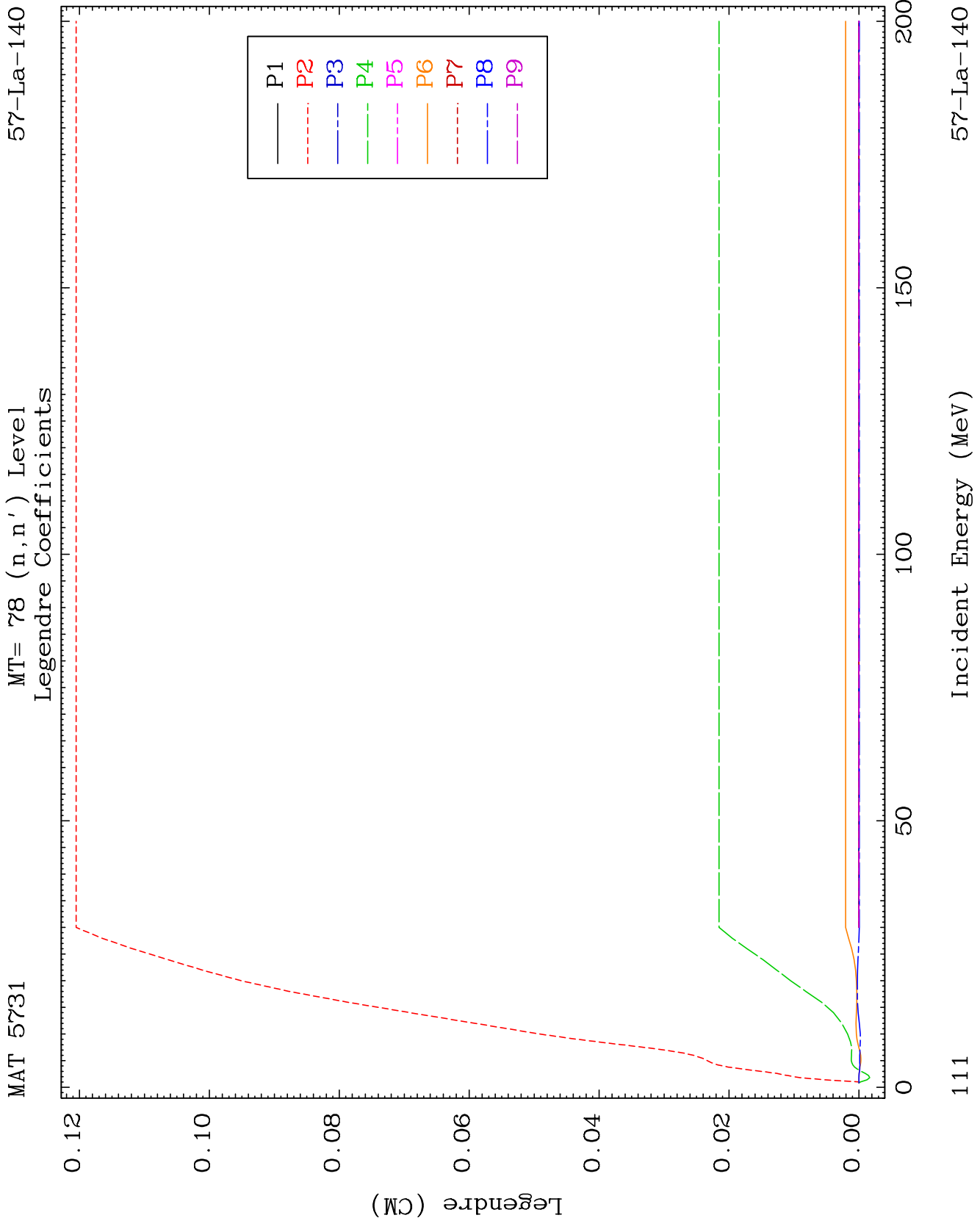


57-La-140

Incident Energy (MeV)

109

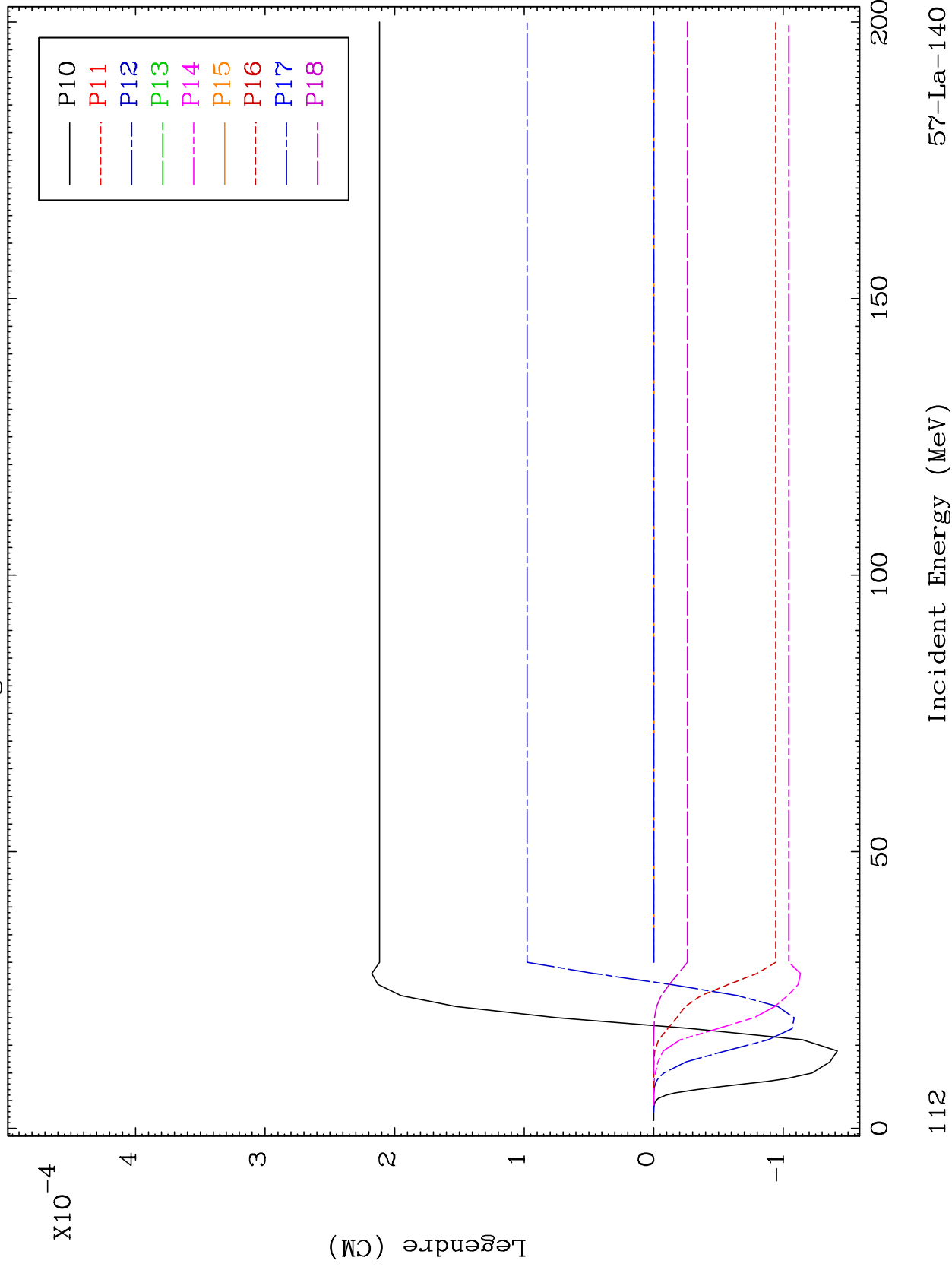




MAT 5731

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

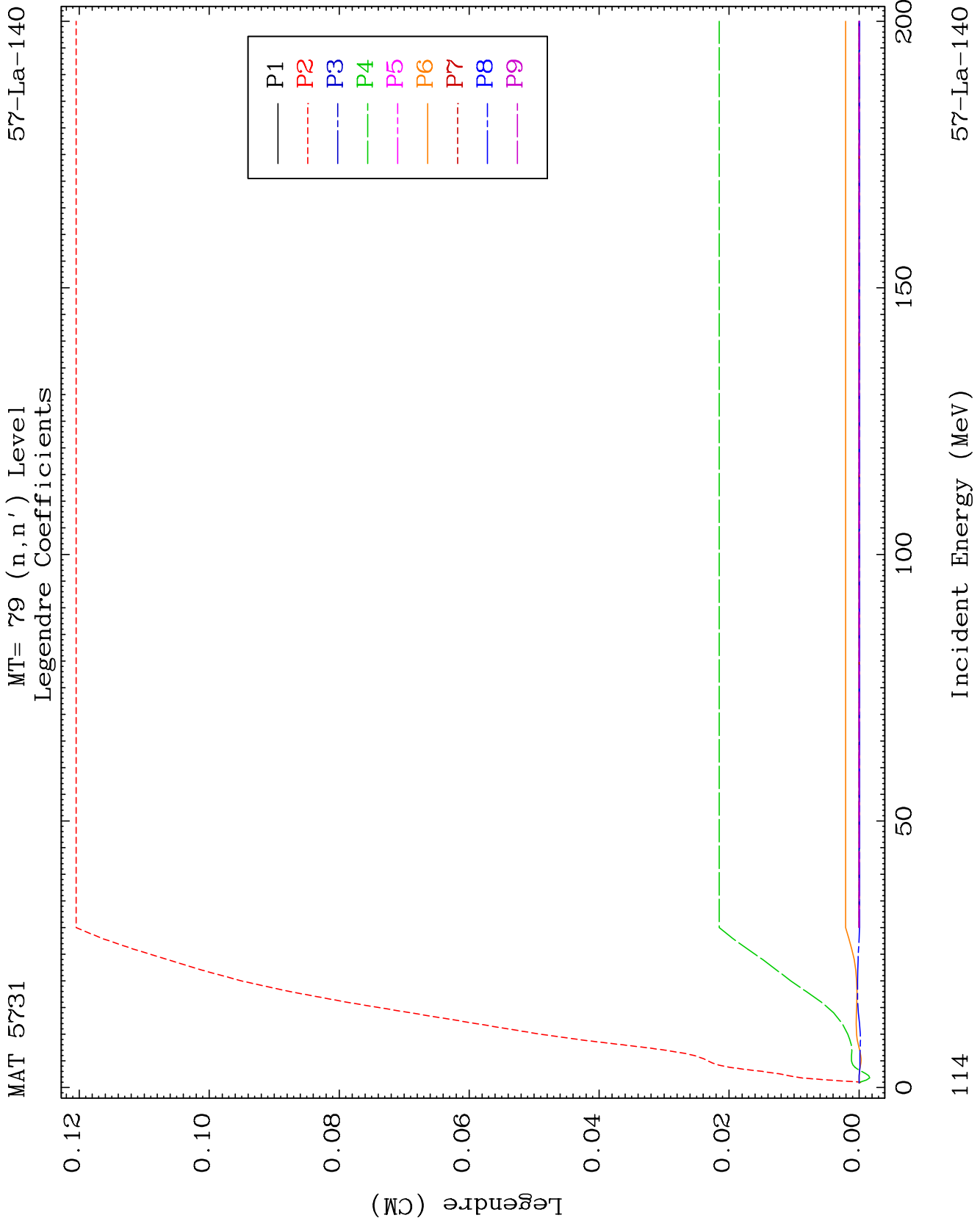
57-La-140



112

Incident Energy (MeV)

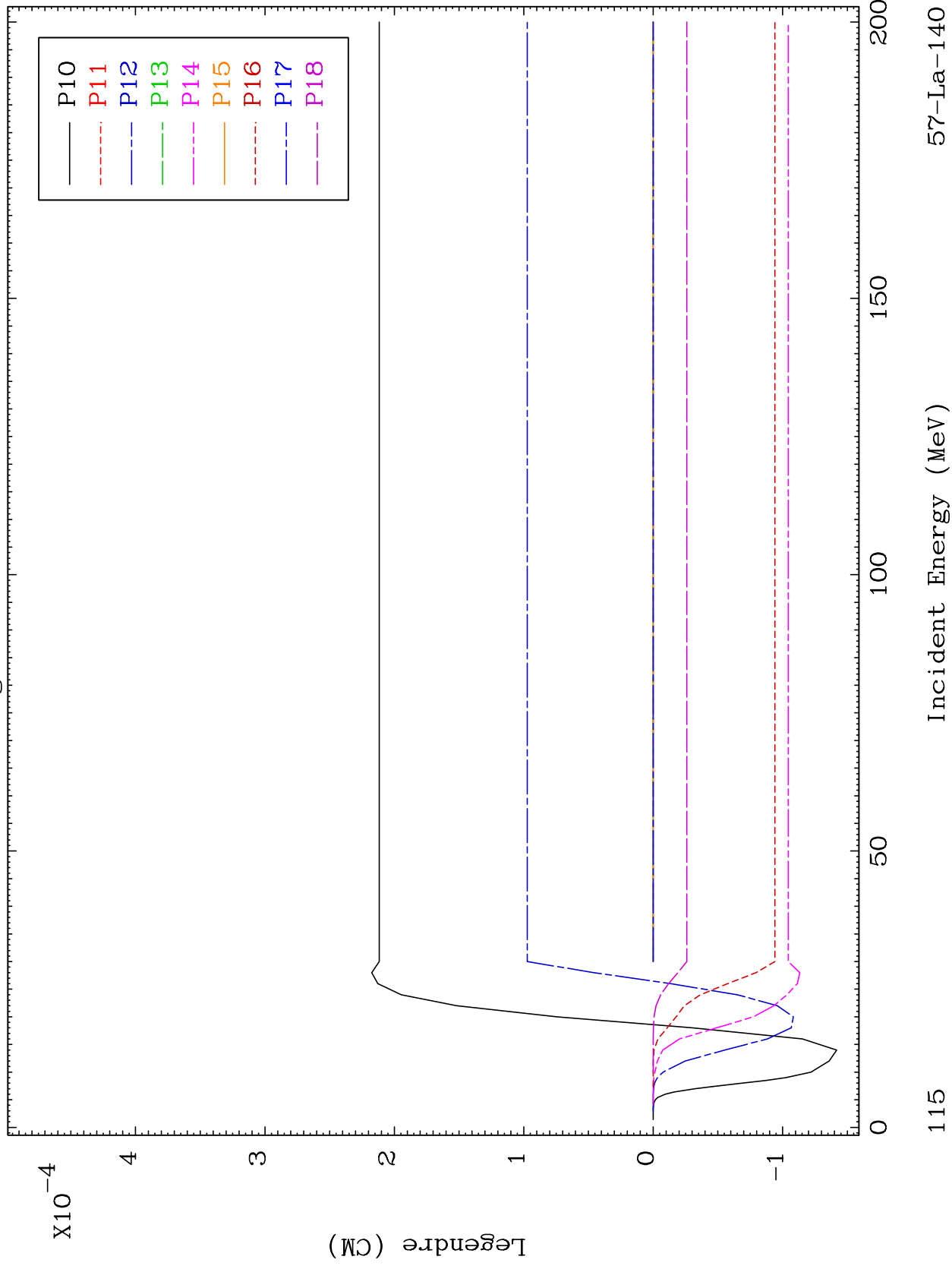
57-La-140



MAT 5731

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

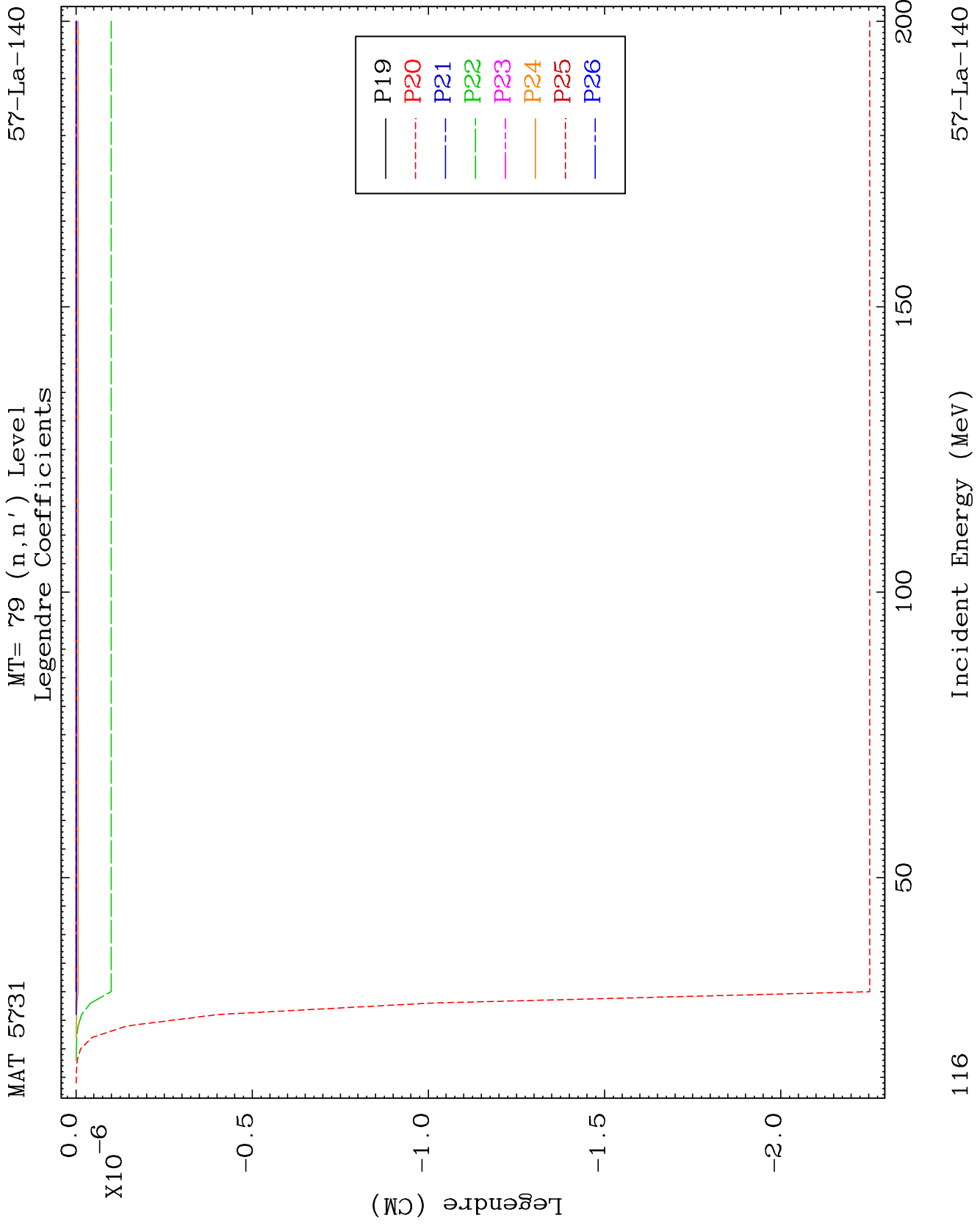
57-La-140

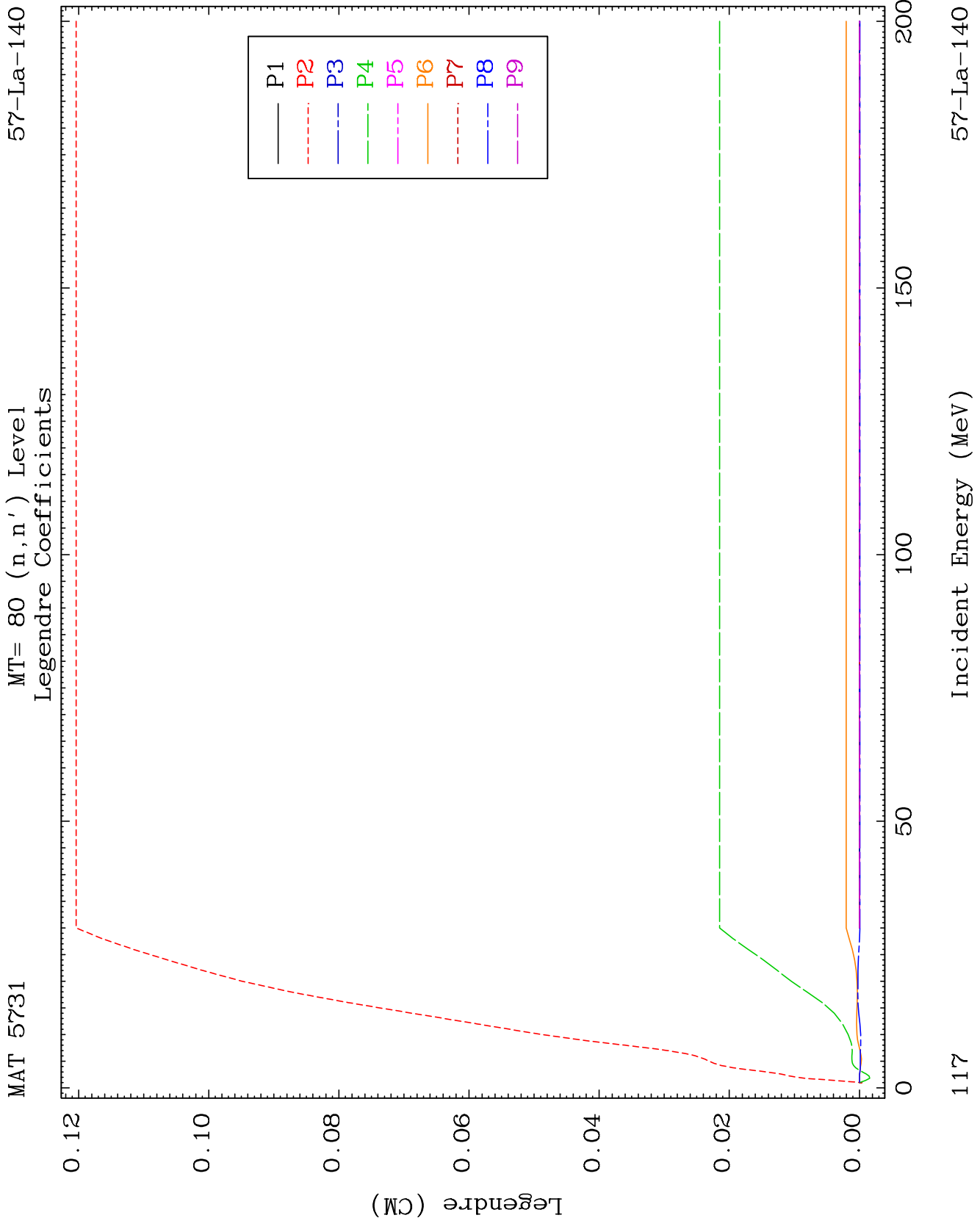


57-La-140

Incident Energy (MeV)

115

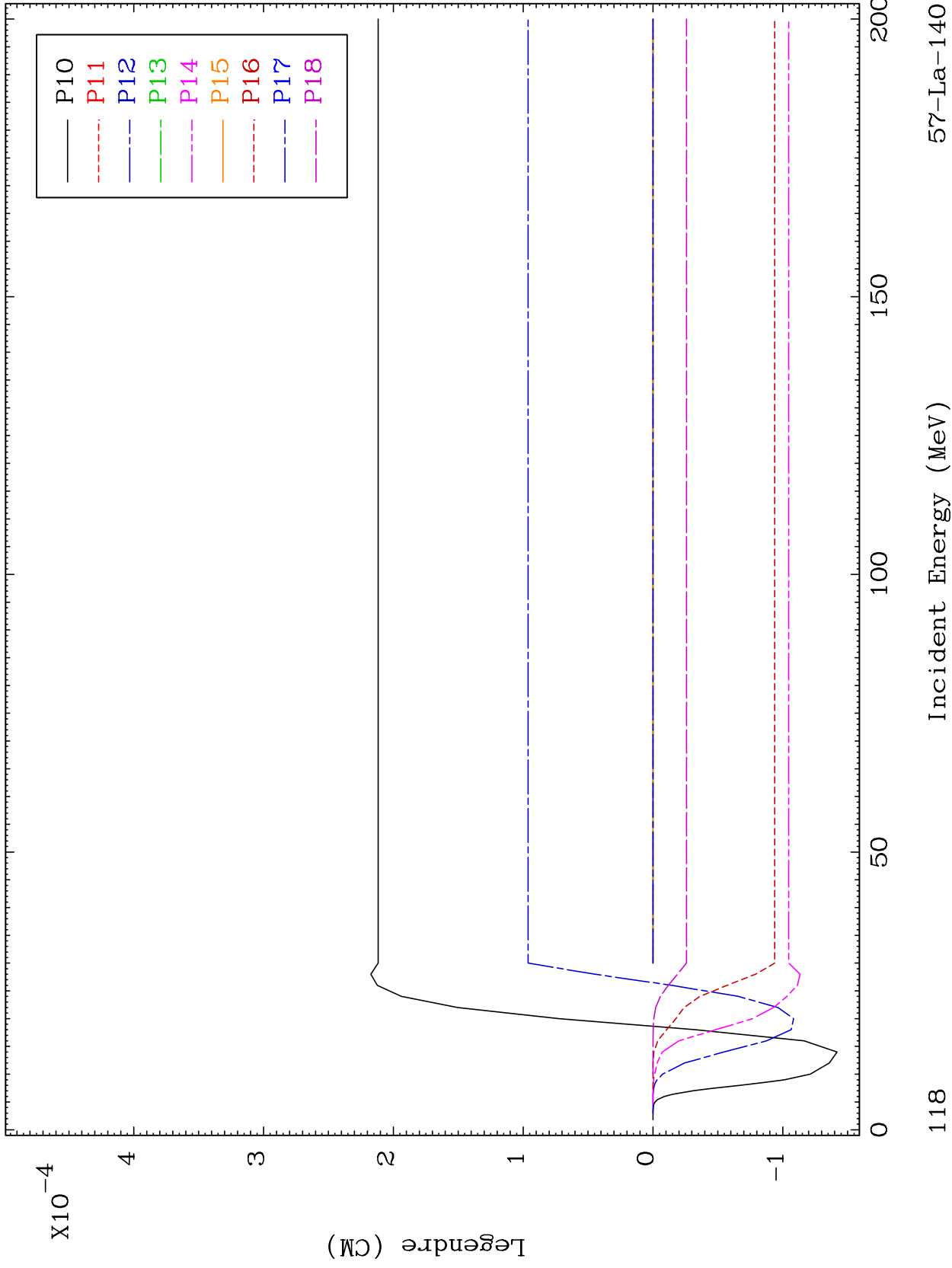




MAT 5731

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

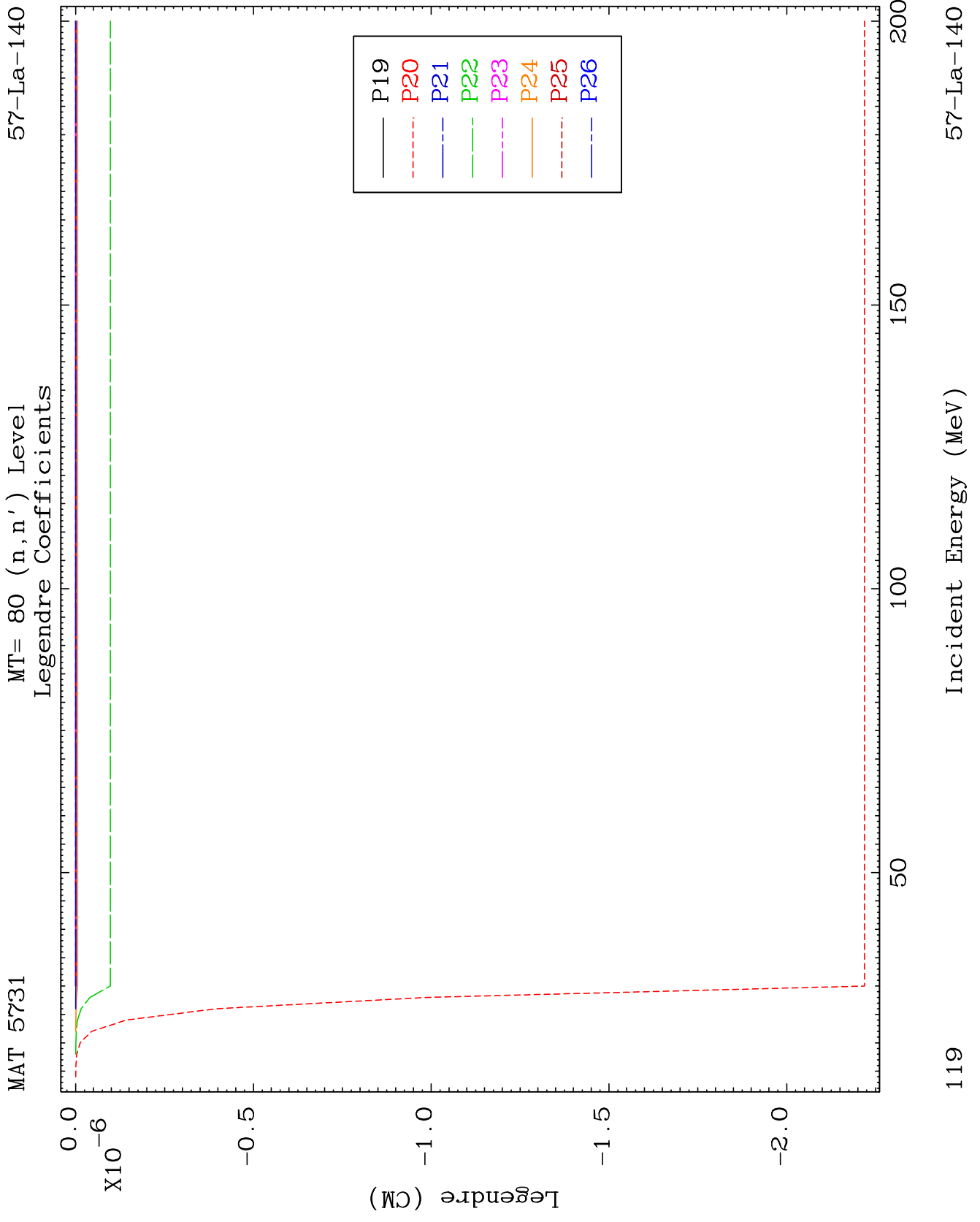
57-La-140



57-La-140

Incident Energy (MeV)

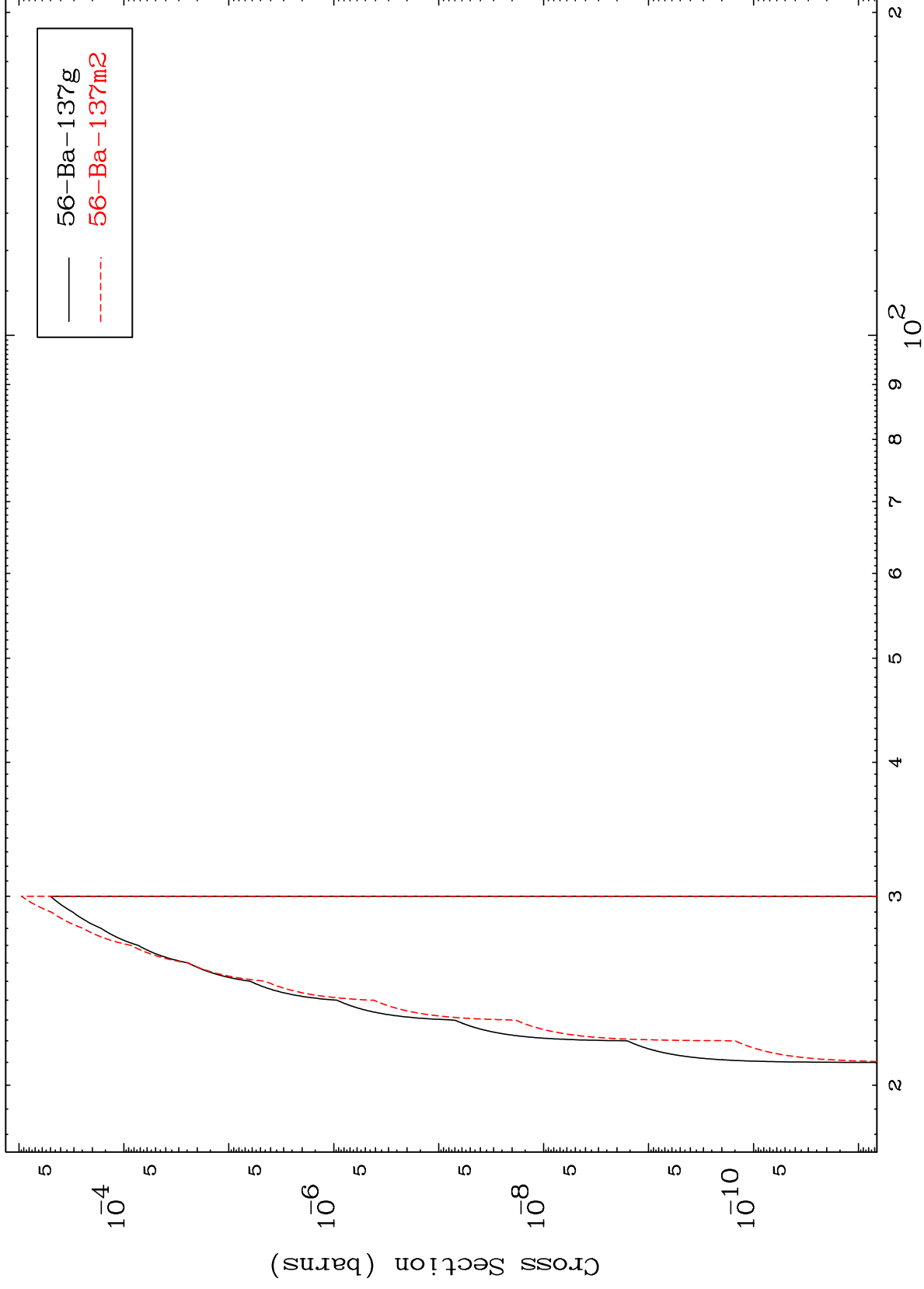
118



MAT 5731

57-La-140

(n,2n) d
Radionuclide Production Cross Section



120

Incident Energy (MeV)

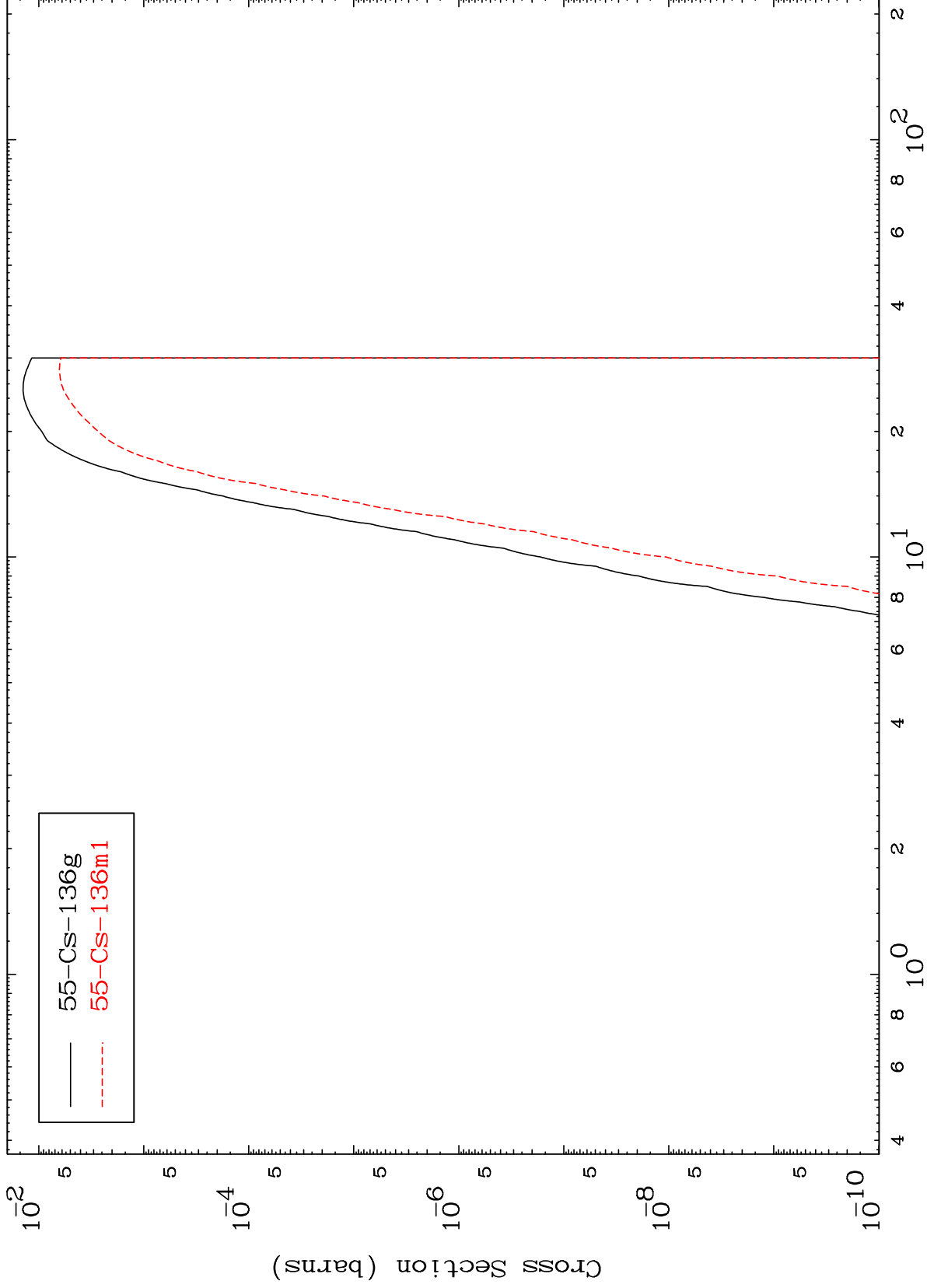
57-La-140

MAT 5731

(n,n') α

57-La-140

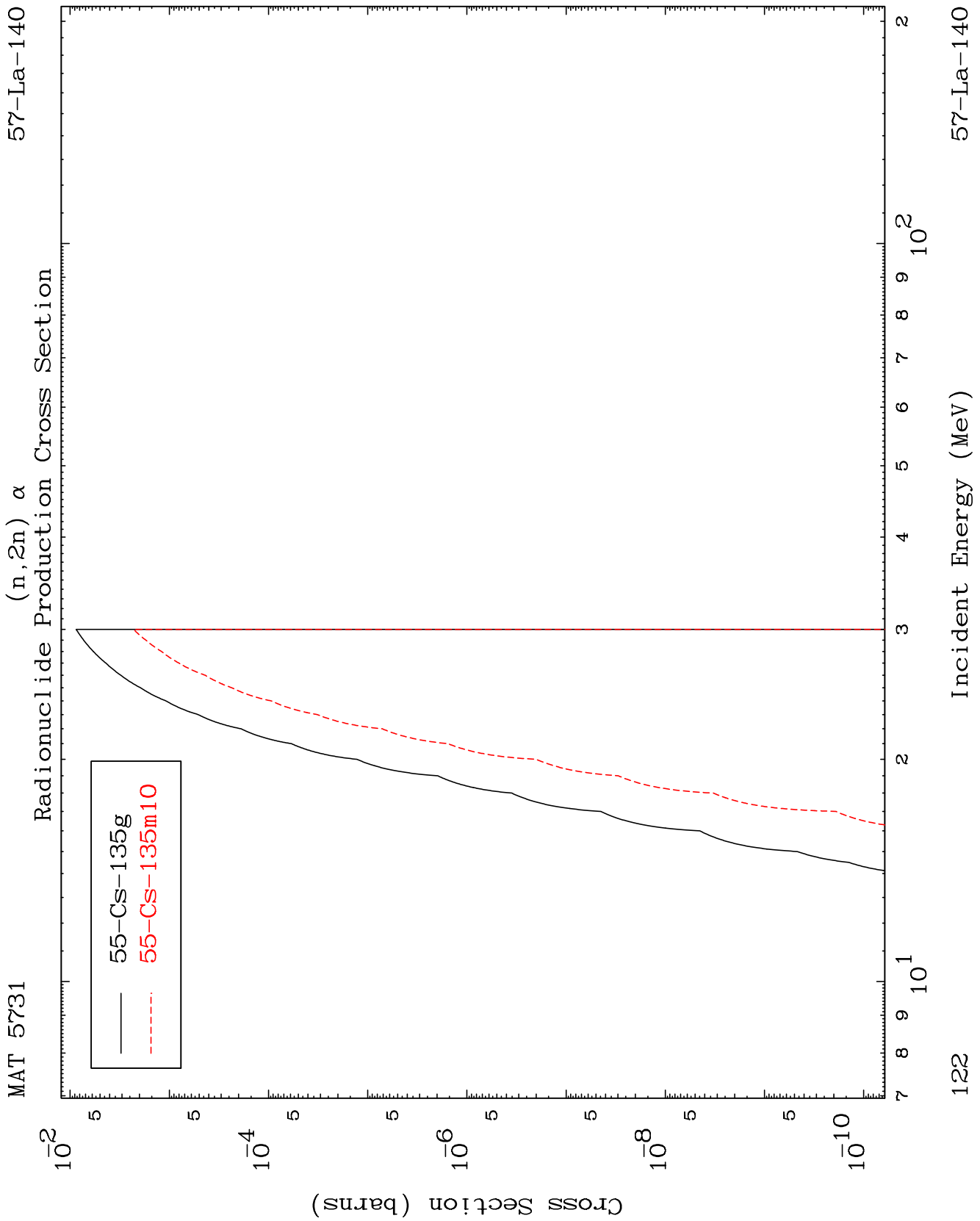
Radionuclide Production Cross Section



121

Incident Energy (MeV)

57-La-140

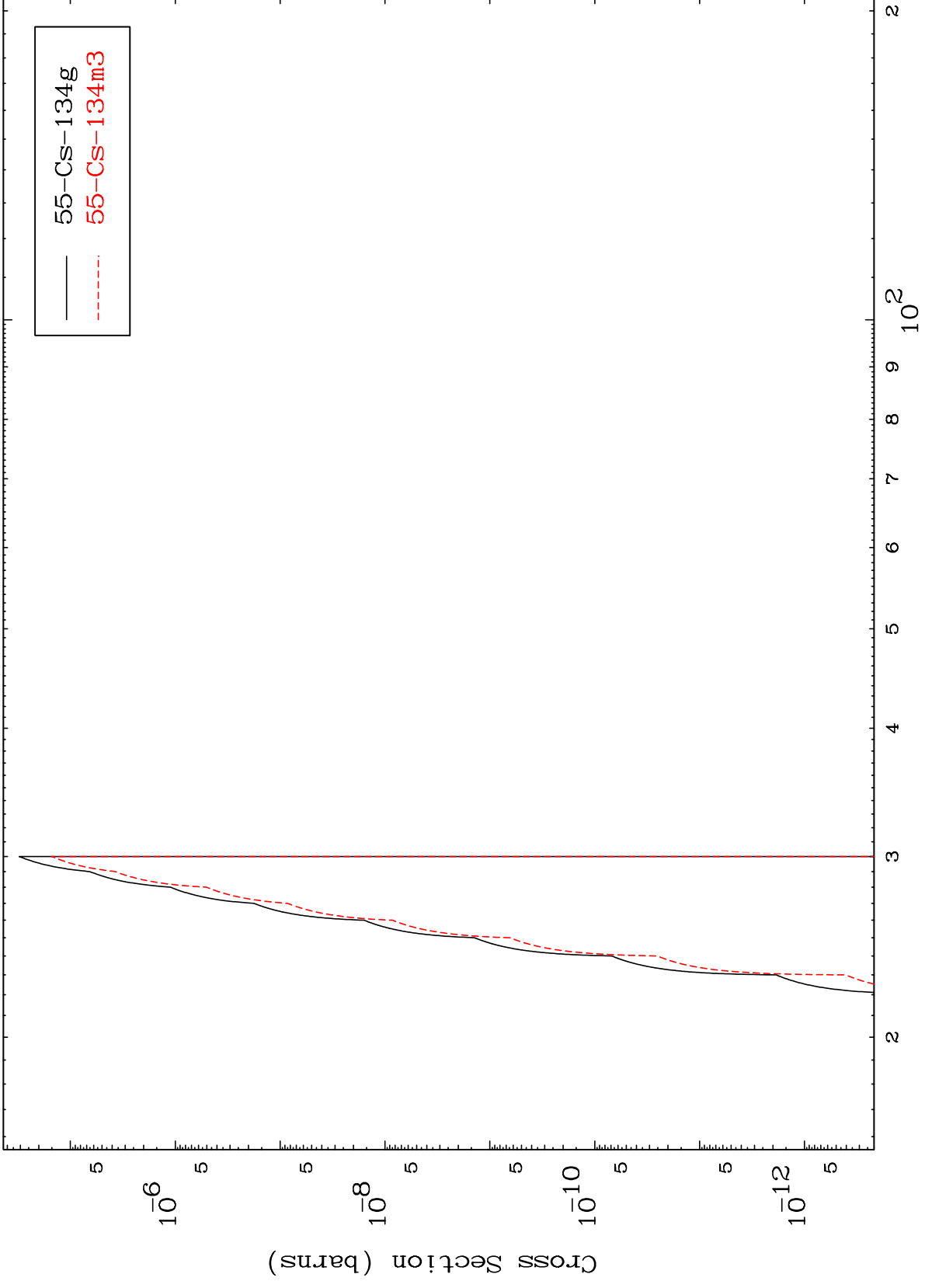


MAT 5731

(n,3n) α

57-La-140

Radionuclide Production Cross Section



123

Incident Energy (MeV)

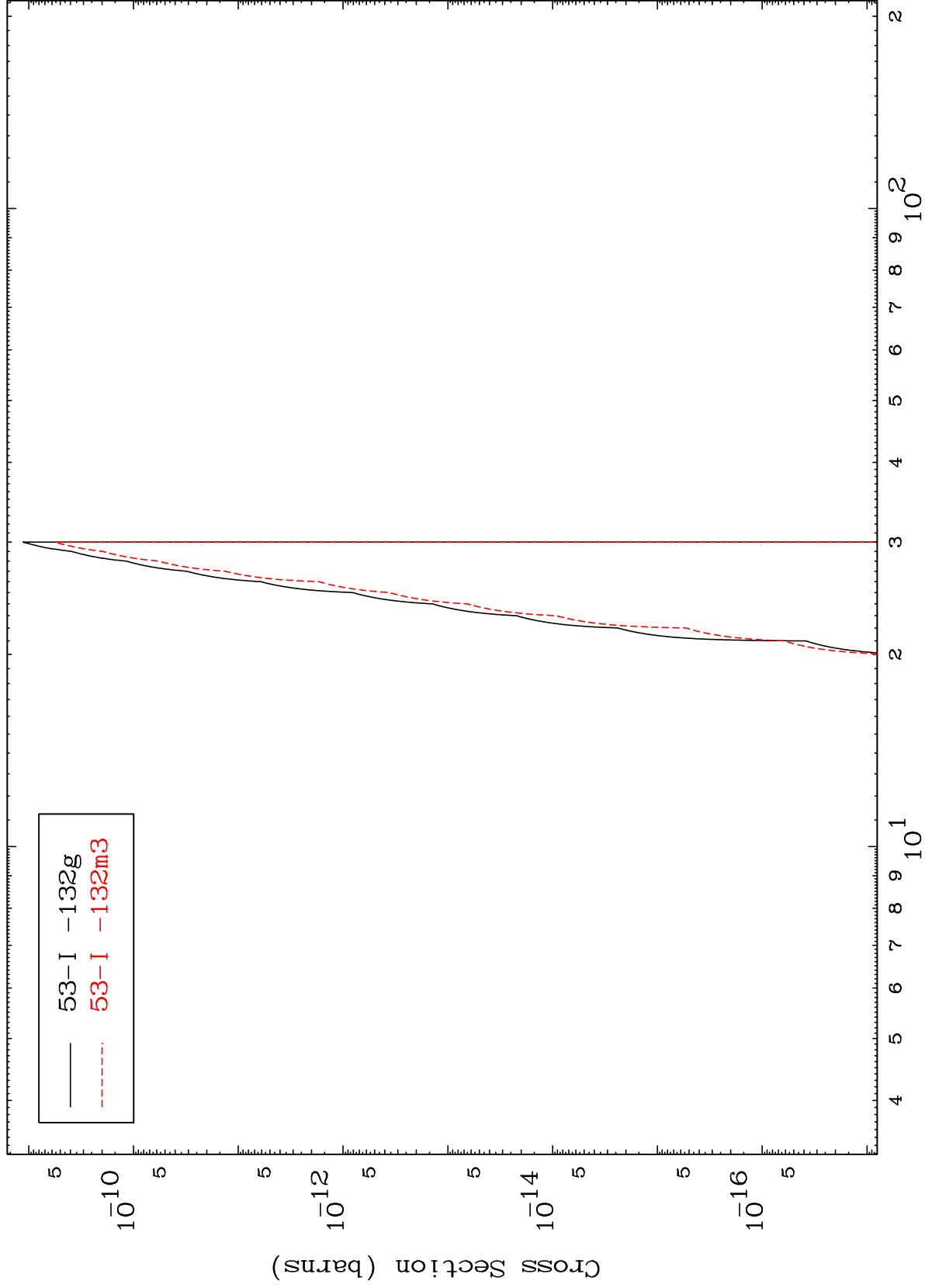
57-La-140

MAT 5731

(n,n') 2α

57-La-140

Radionuclide Production Cross Section



124

Incident Energy (MeV)

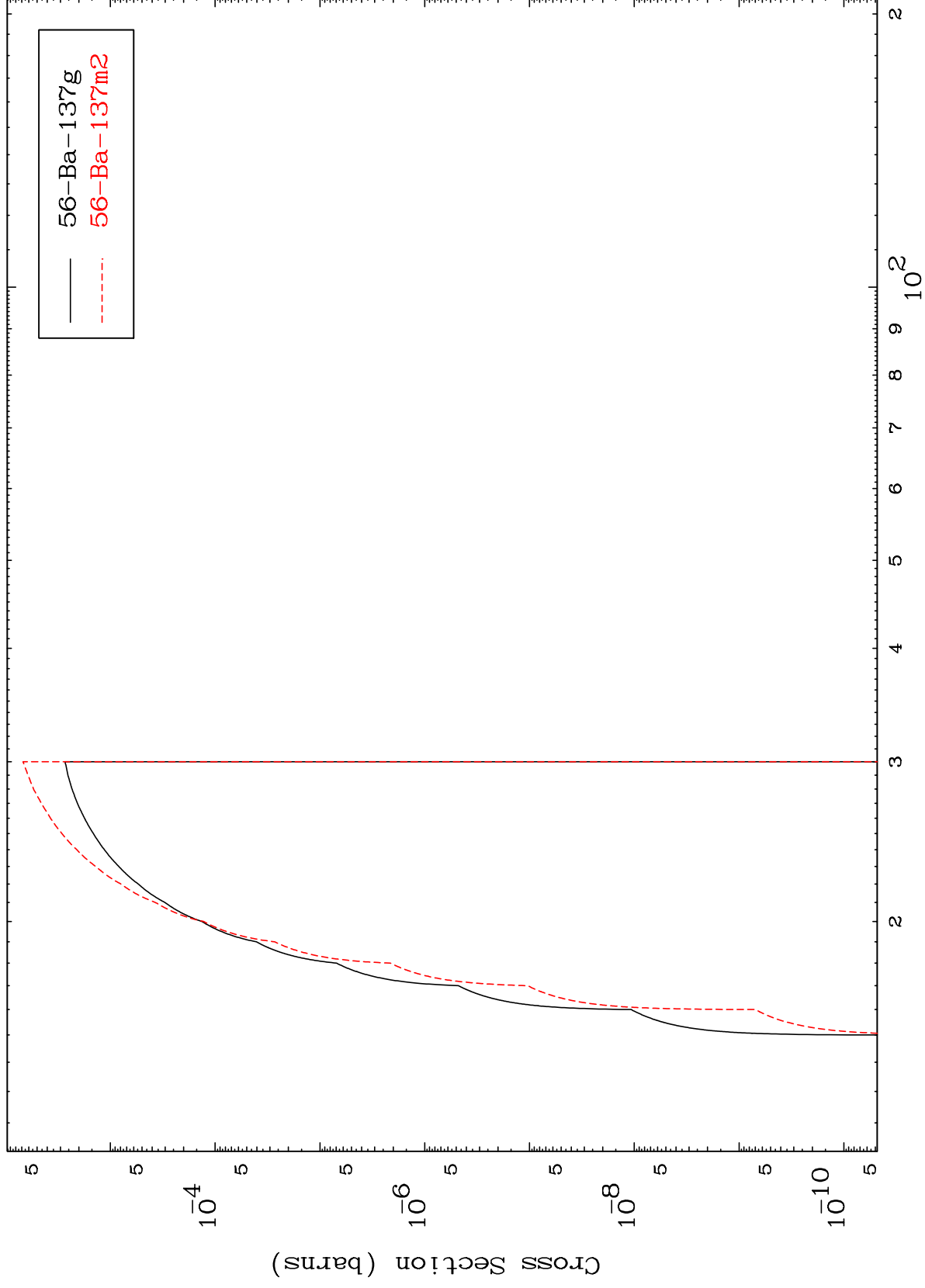
57-La-140

MAT 5731

(n,n') t

57-La-140

Radionuclide Production Cross Section



125

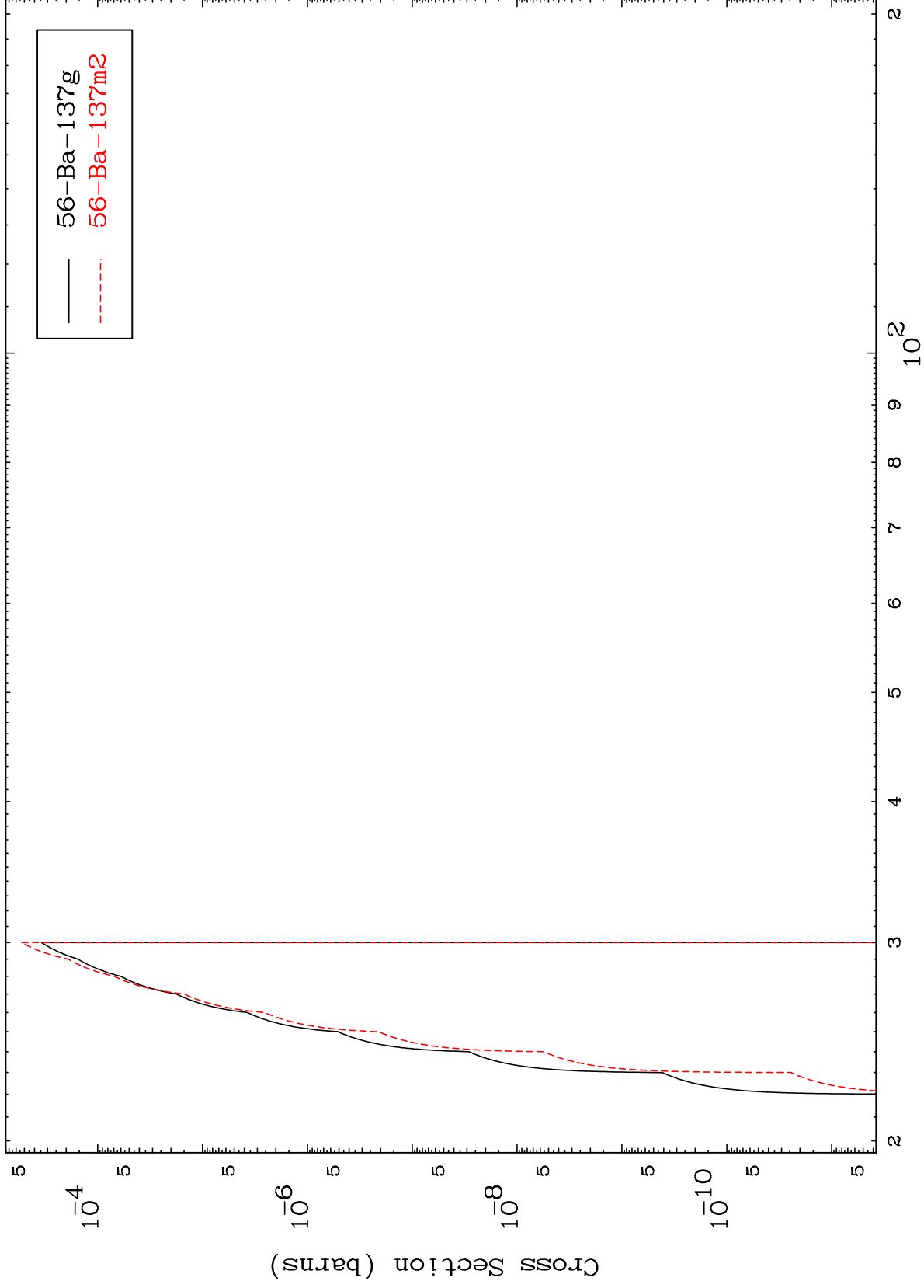
Incident Energy (MeV)

57-La-140

MAT 5731

57-La-140

(n,3n) p
Radionuclide Production Cross Section



57-La-140

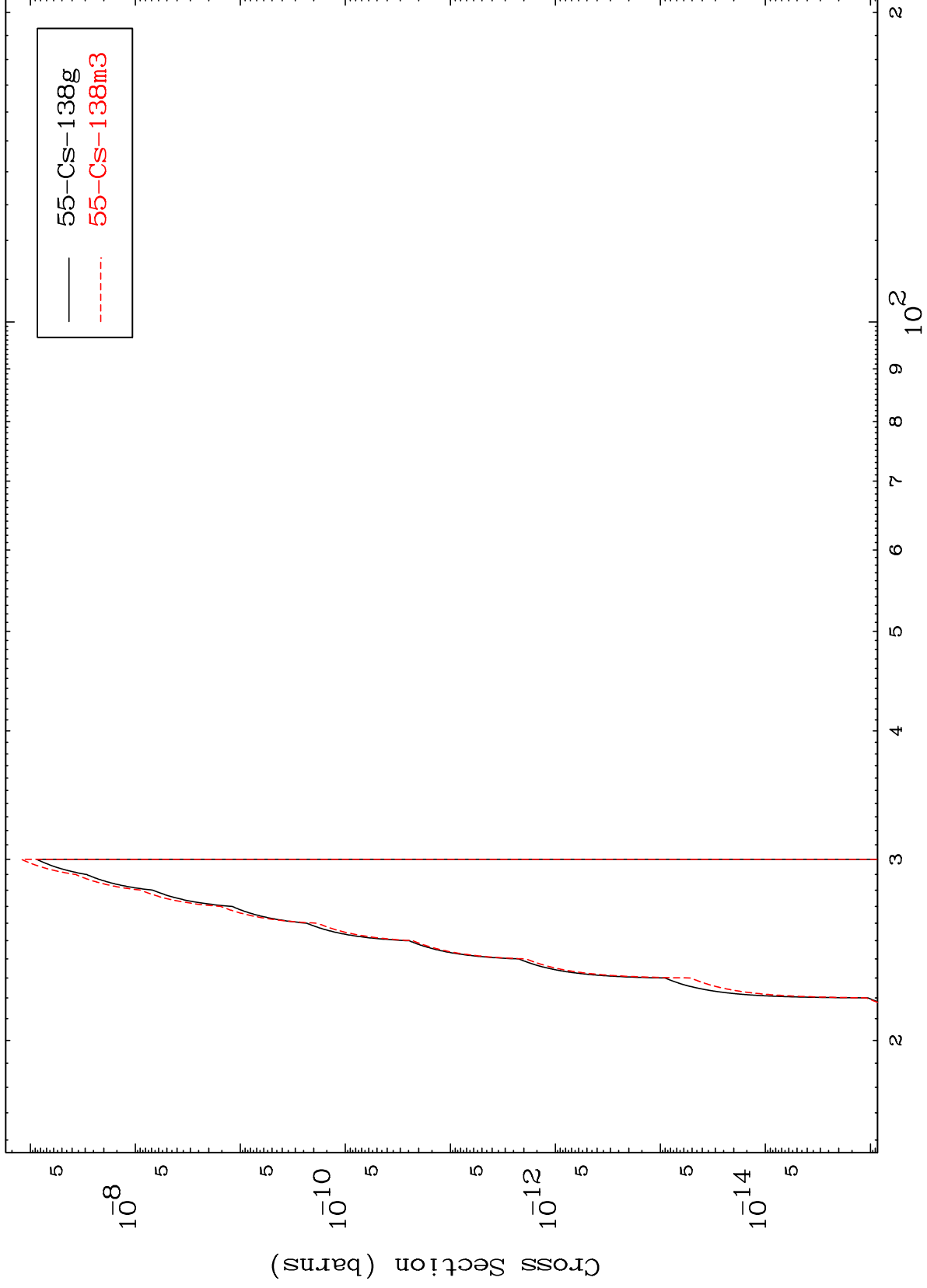
Incident Energy (MeV)

126

MAT 5731

57-La-140

(n,2n) p
Radionuclide Production Cross Section



127

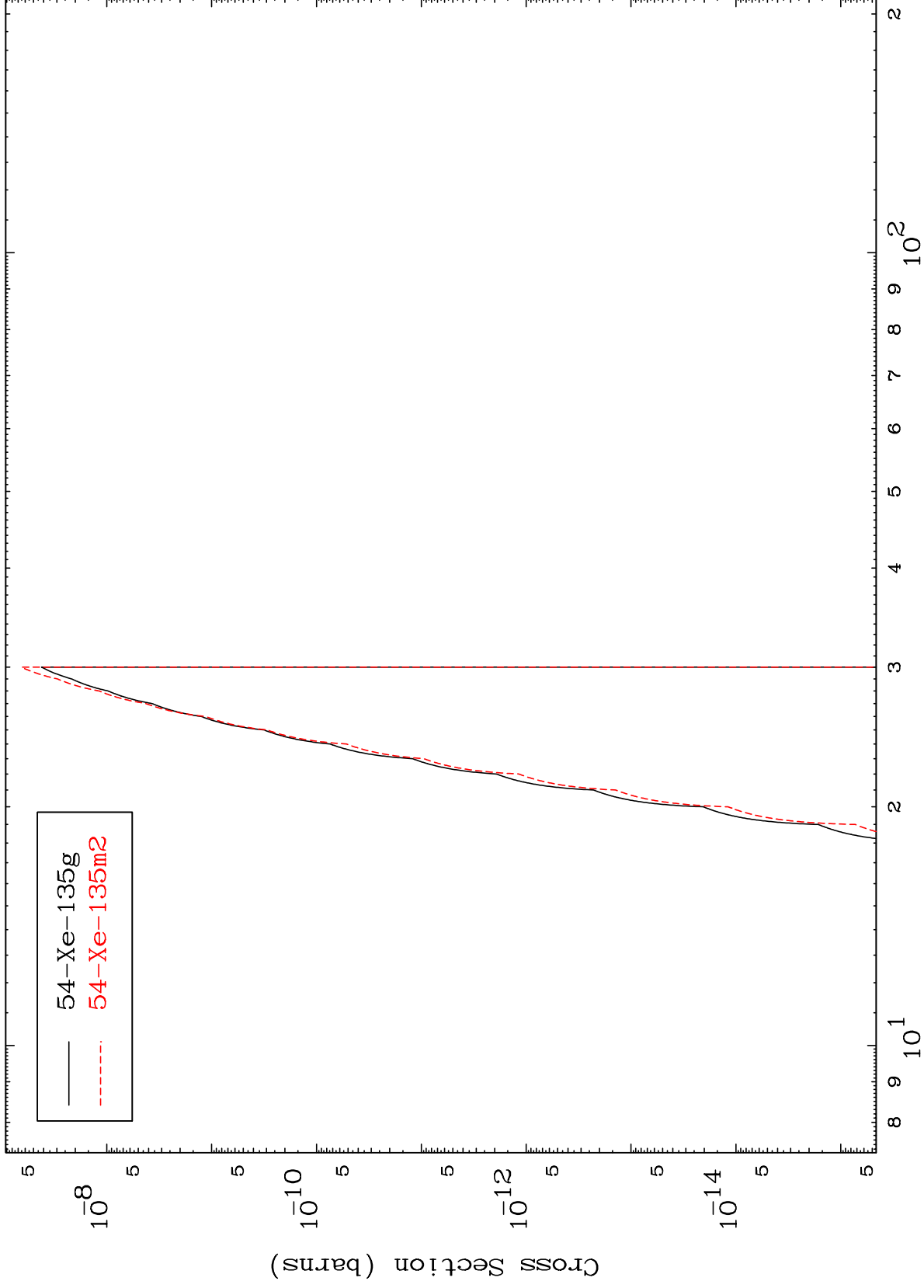
57-La-140

Incident Energy (MeV)

MAT 5731

57-La-140

(n,n') p α
Radionuclide Production Cross Section



128

Incident Energy (MeV)

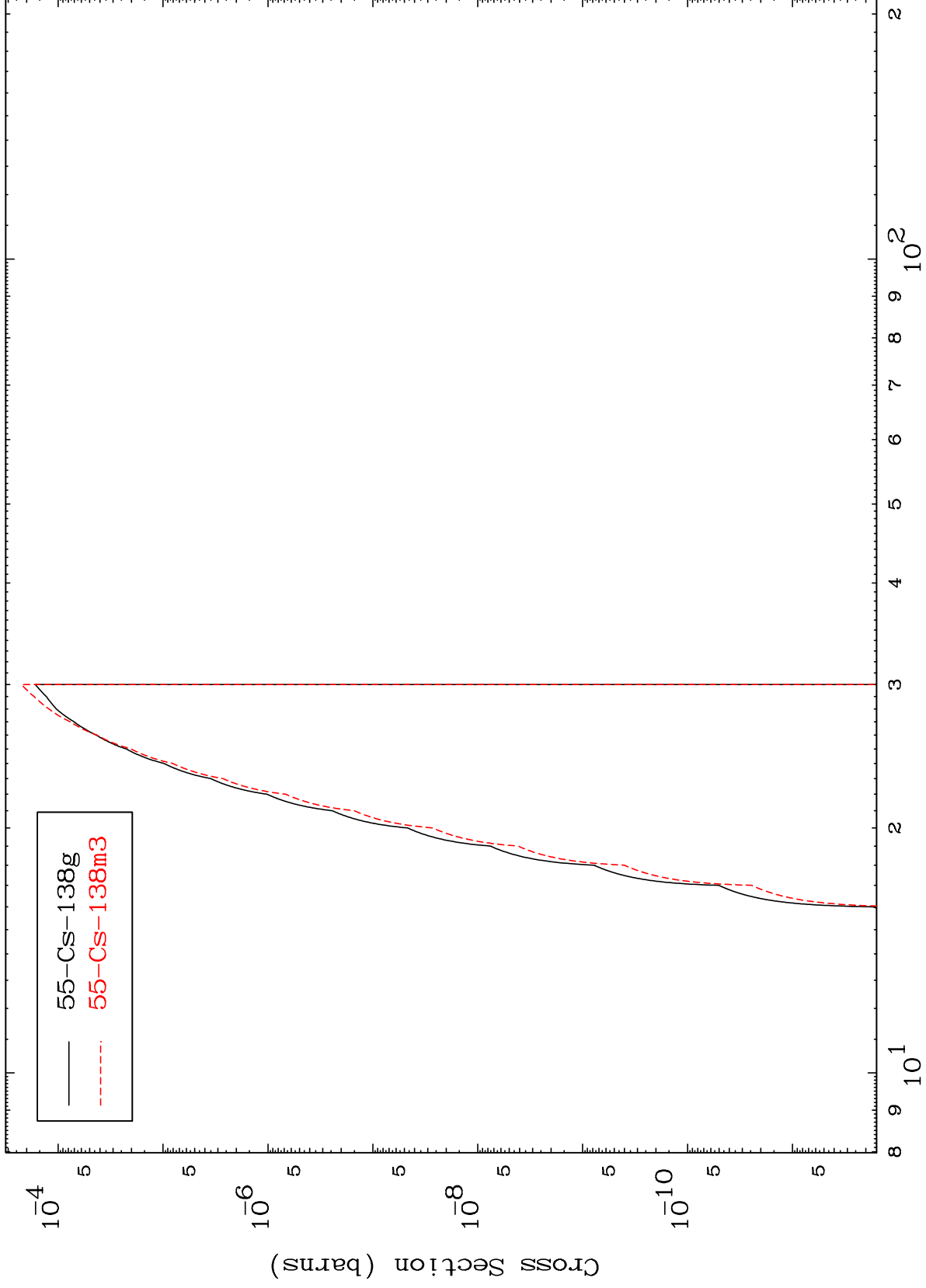
57-La-140

MAT 5731

(n,He-3)

57-La-140

Radionuclide Production Cross Section



129

Incident Energy (MeV)

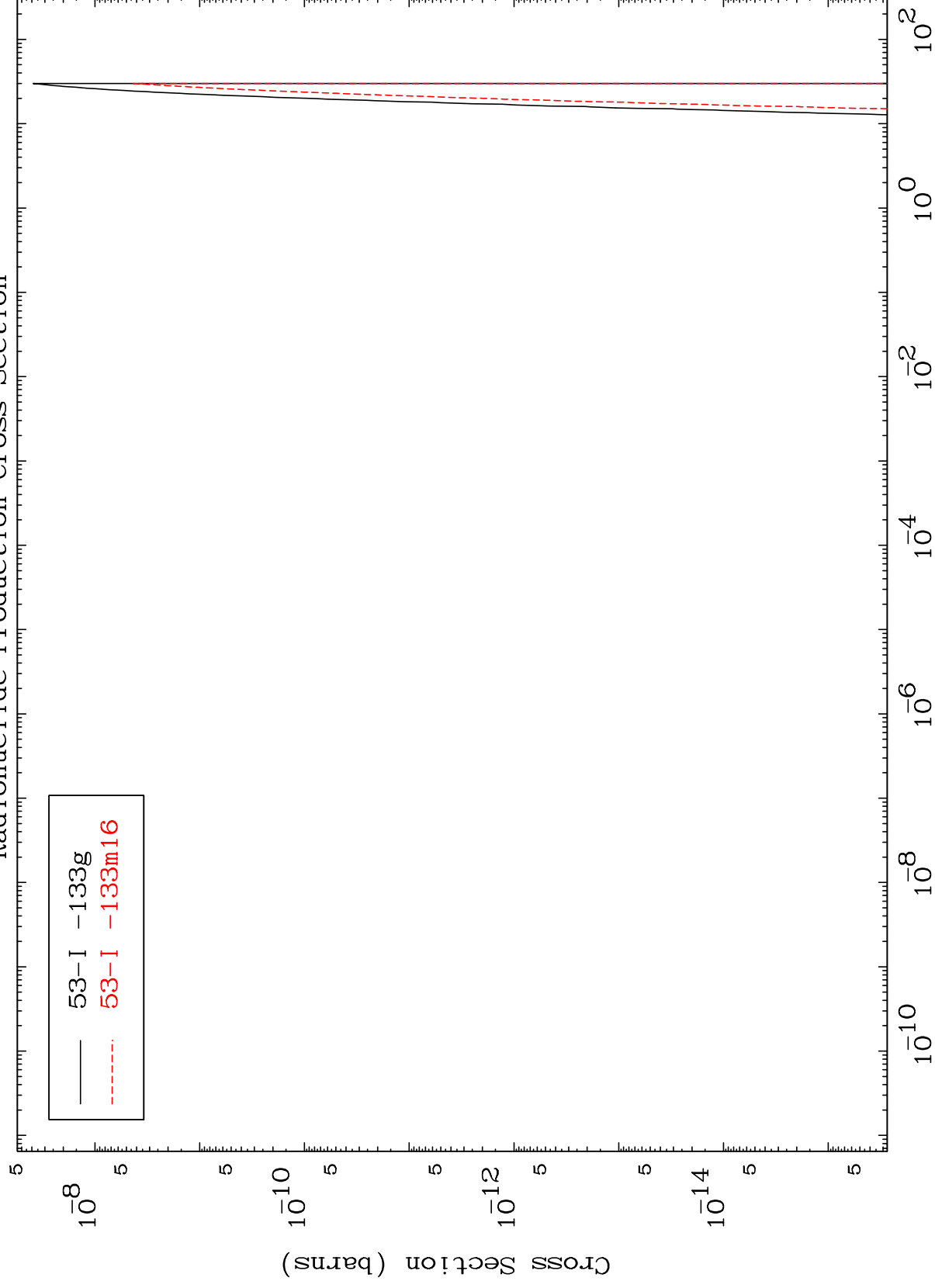
57-La-140

MAT 5731

(n,2α)

57-La-140

Radionuclide Production Cross Section



130

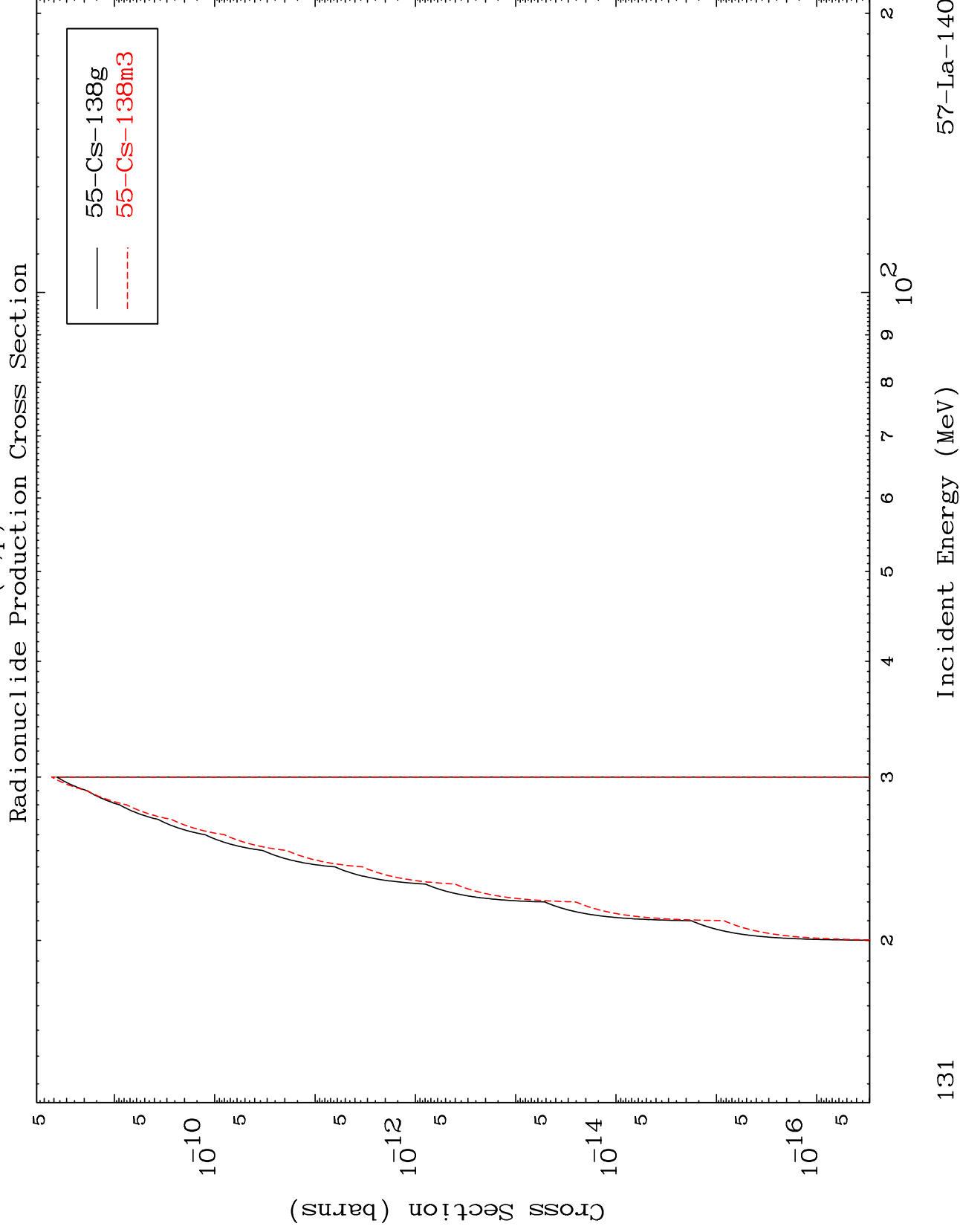
Incident Energy (MeV)

57-La-140

MAT 5731

(n,p) d

57-La-140



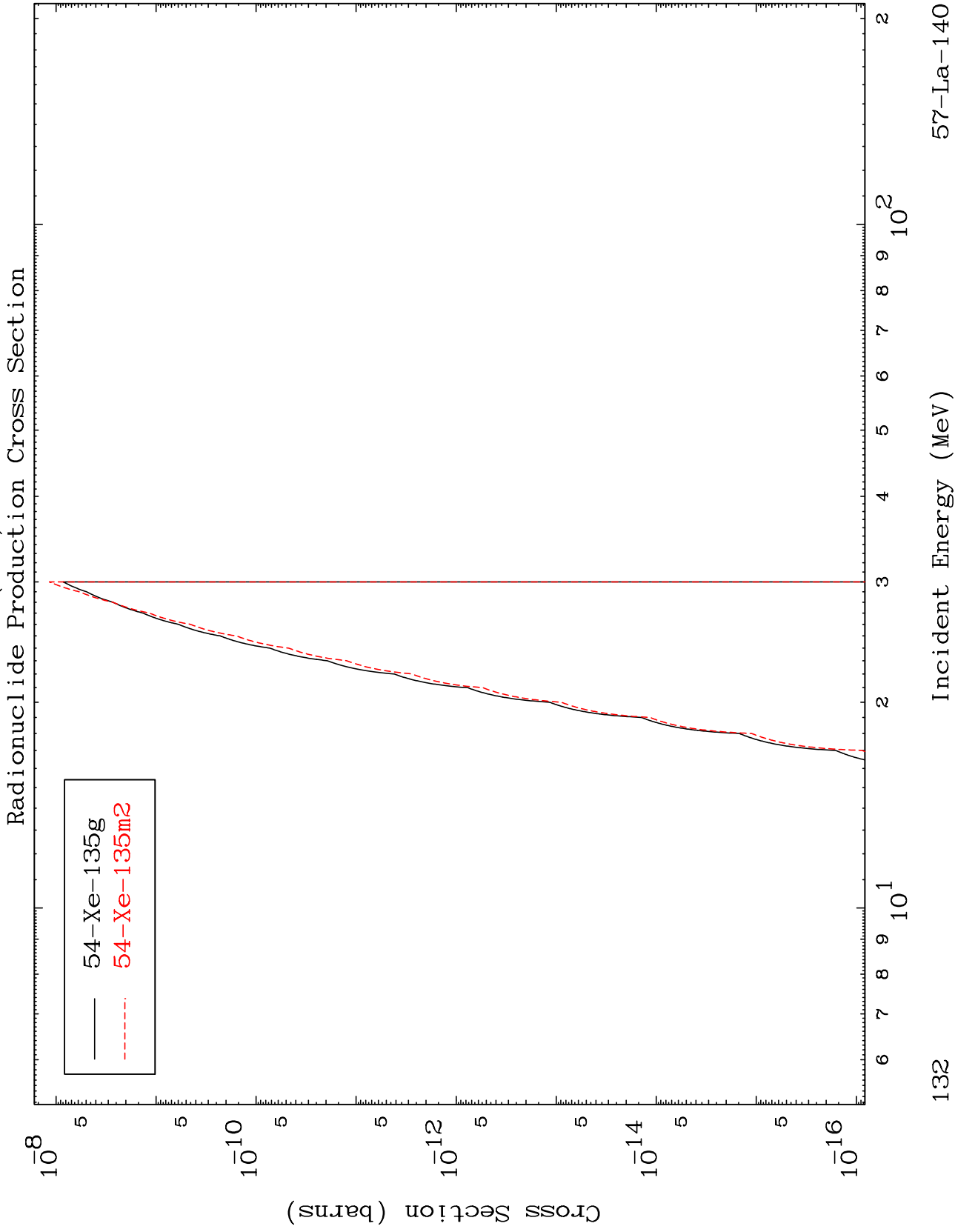
131

57-La-140

MAT 5731

(n,d) α

57-La-140



132