

Program EVALPLOT
(Version 2021-1)

by

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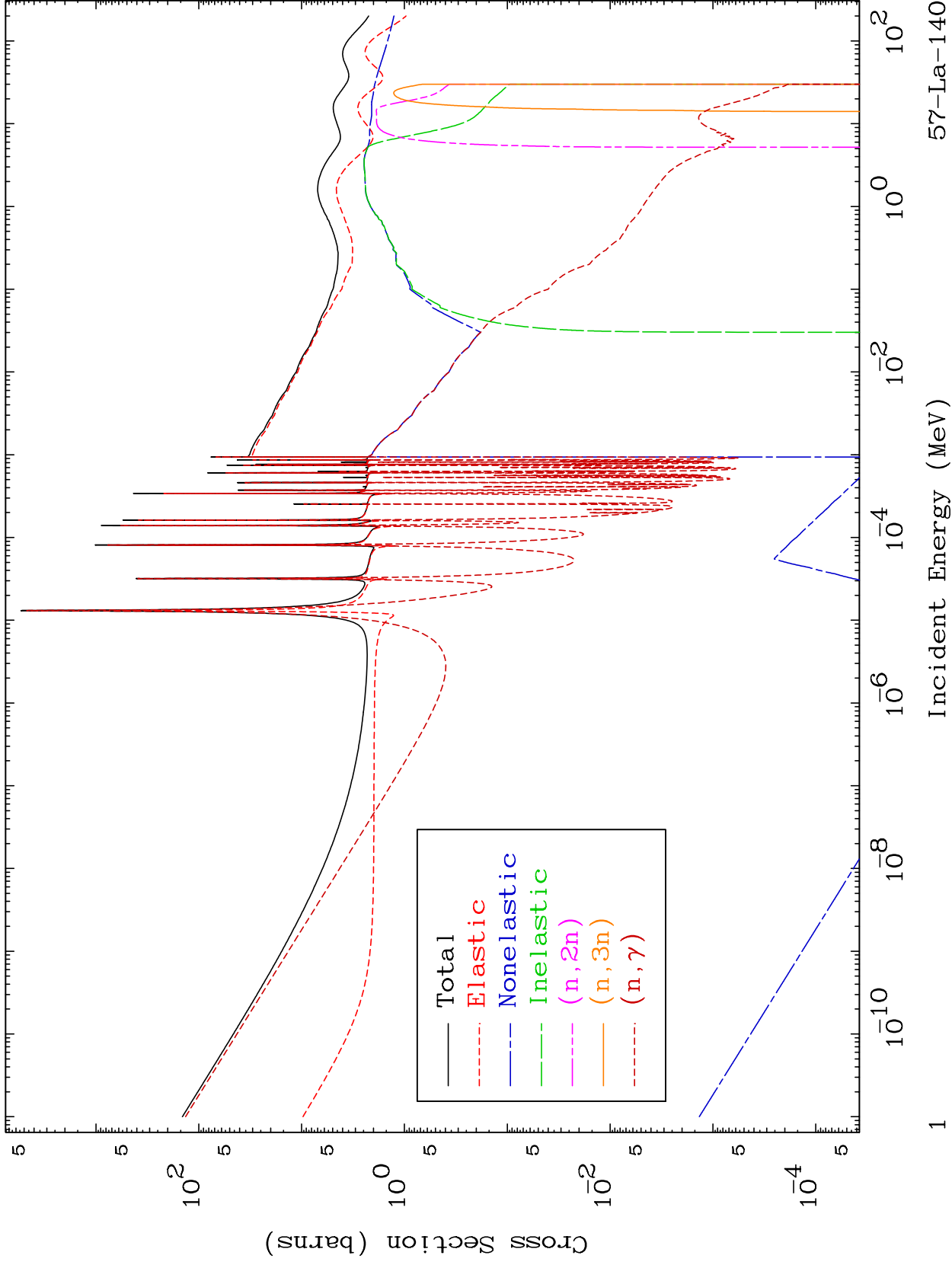
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Press Mouse Button to Start

MAT 5731

Neutron Major
293 Kelvin Cross Sections

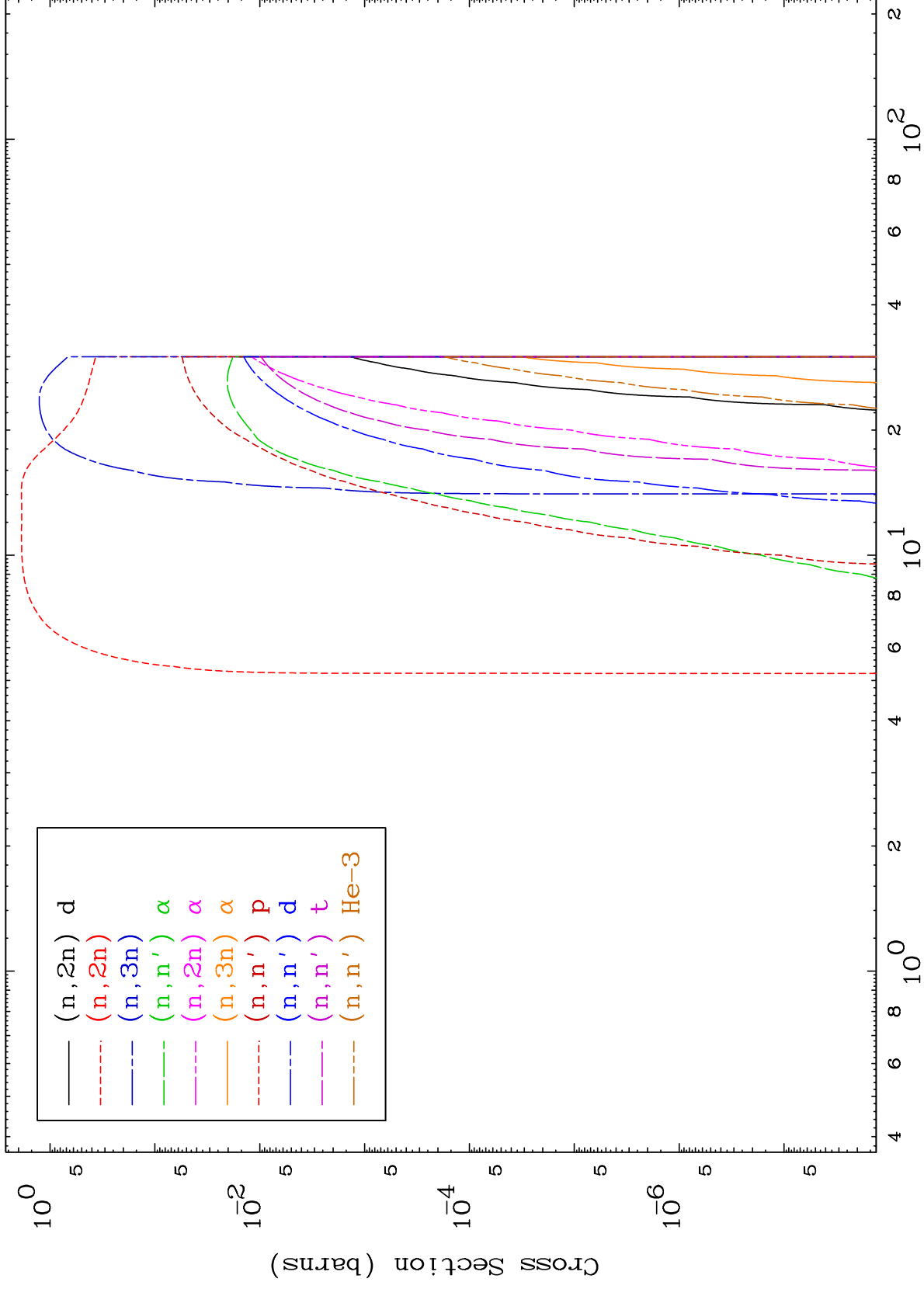
57-La-140



MAT 5731

Neutron Absorption
293 Kelvin Cross Sections

57-La-140



2

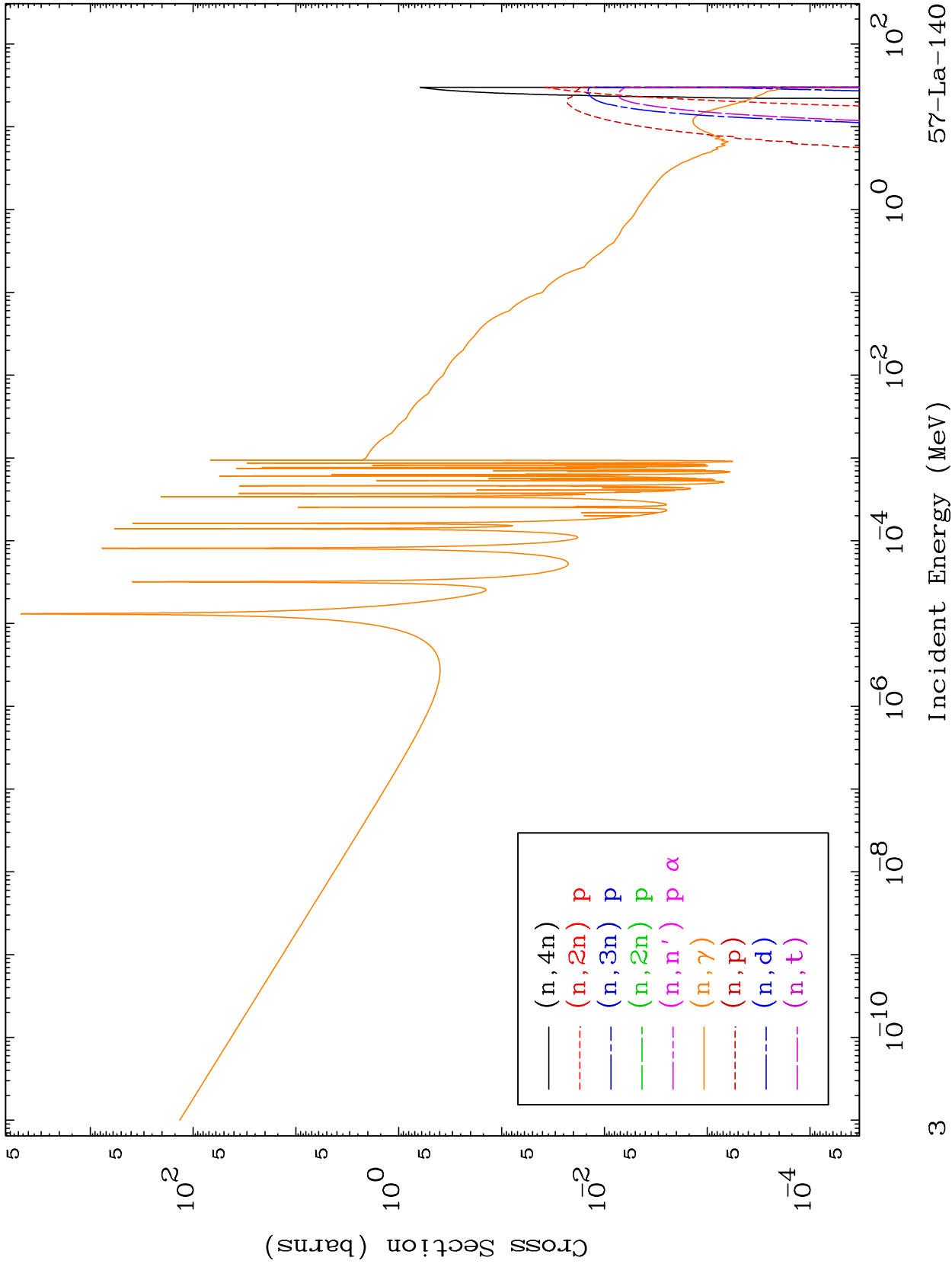
Incident Energy (MeV)

57-La-140

MAT 5731

Neutron Absorption
293 Kelvin Cross Sections

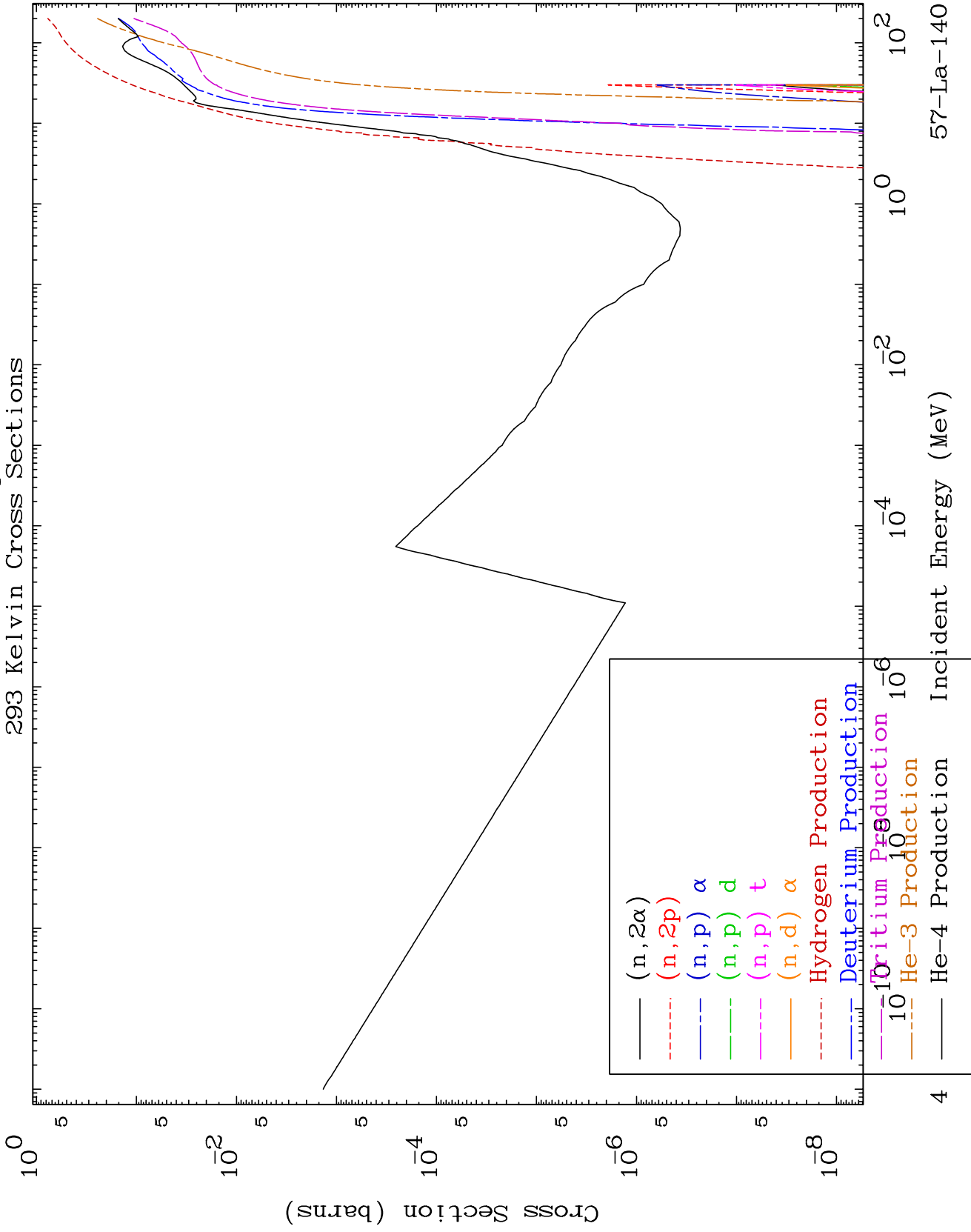
57-La-140

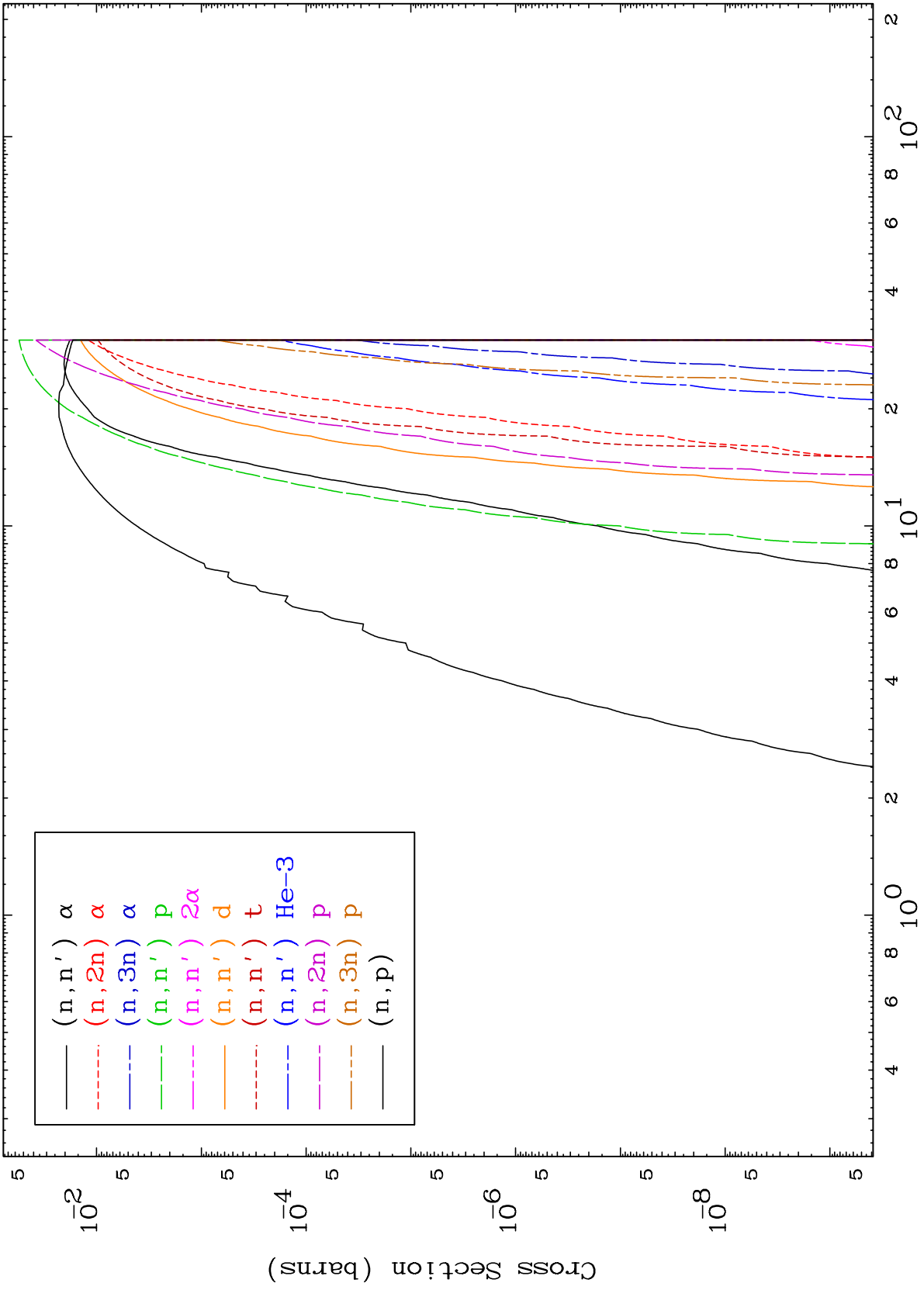


MAT 5731

Neutron Absorption
293 Kelvin Cross Sections

57-La-140

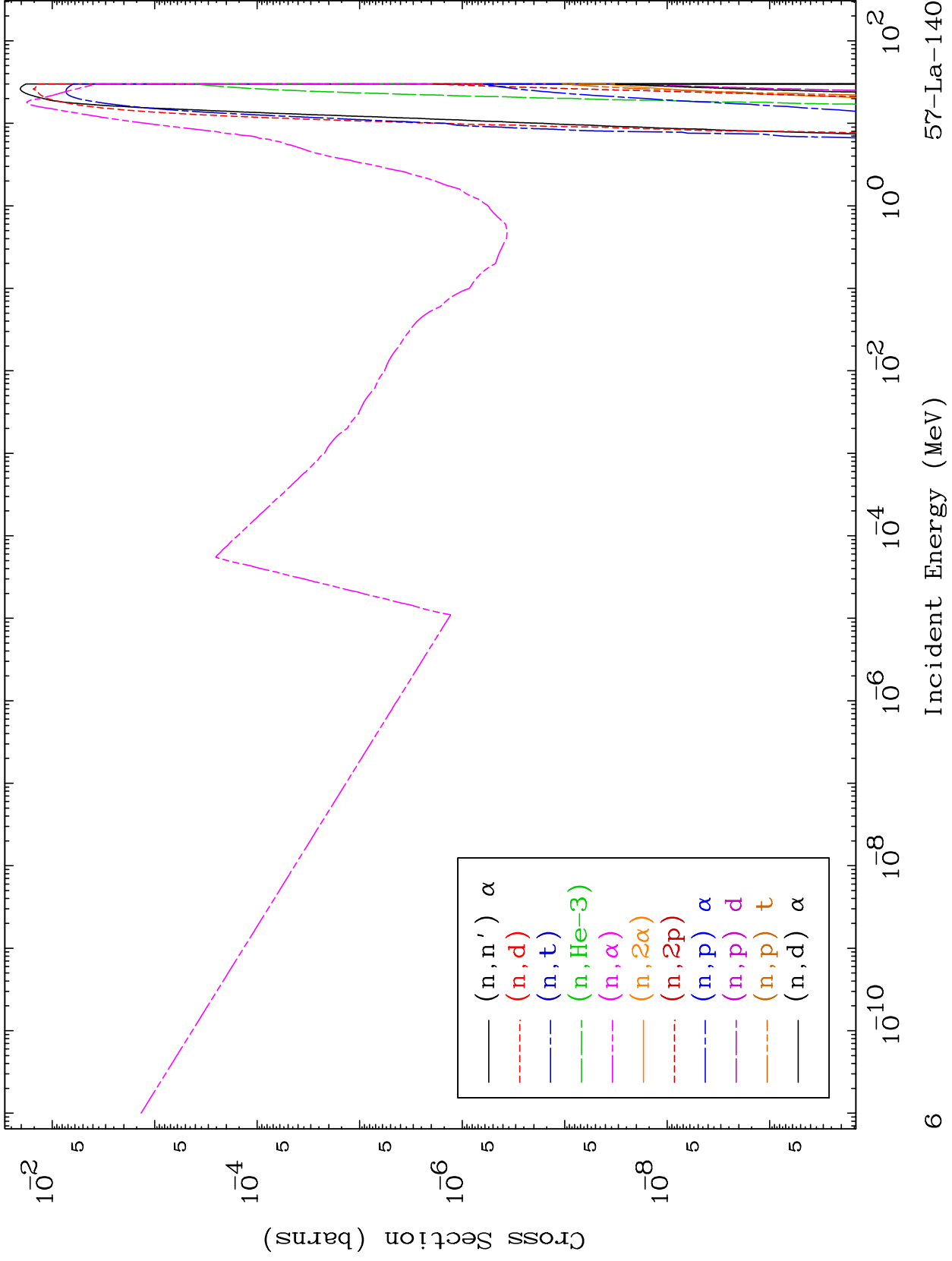


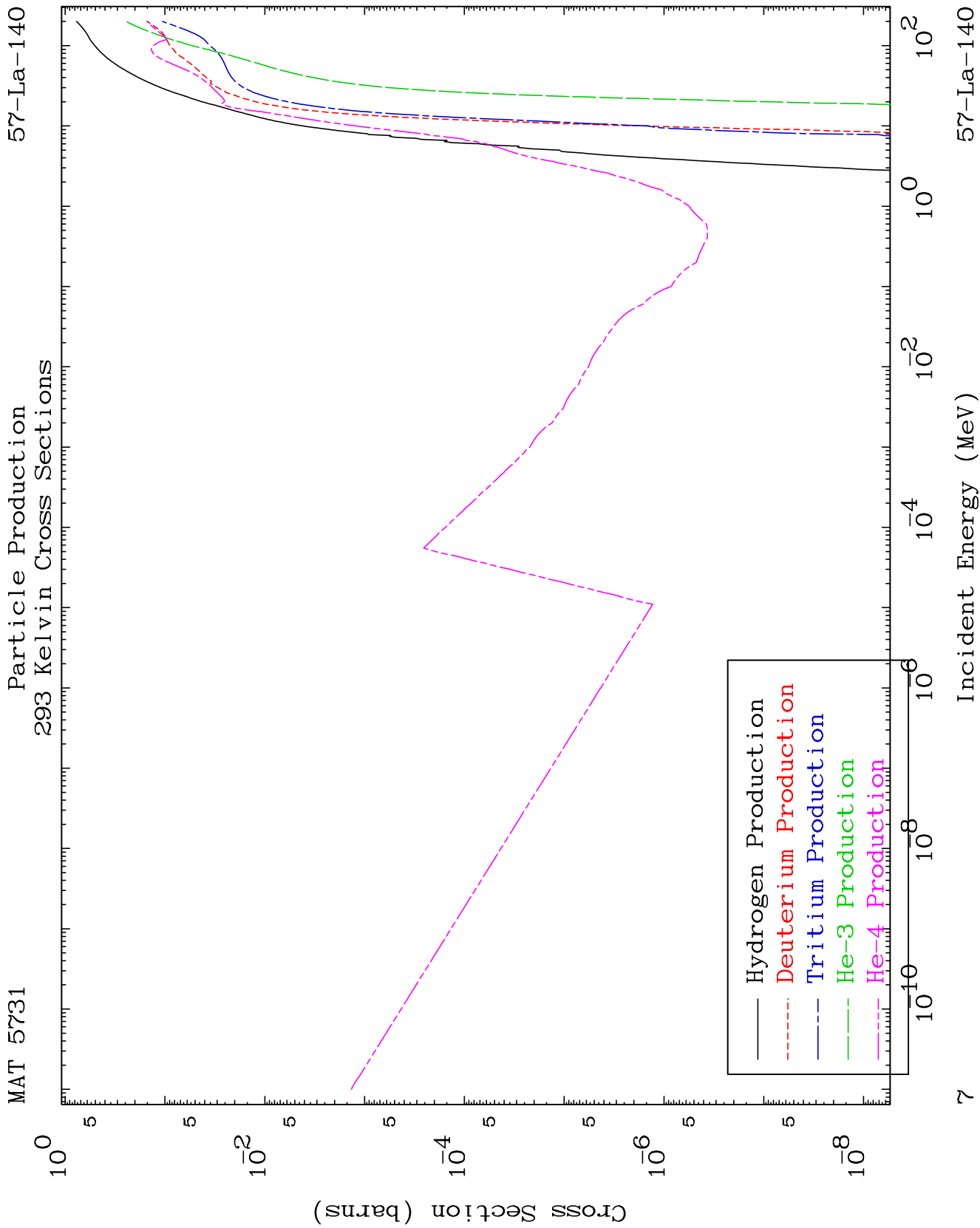


MAT 5731

Charged Particle
293 Kelvin Cross Sections

57-La-140



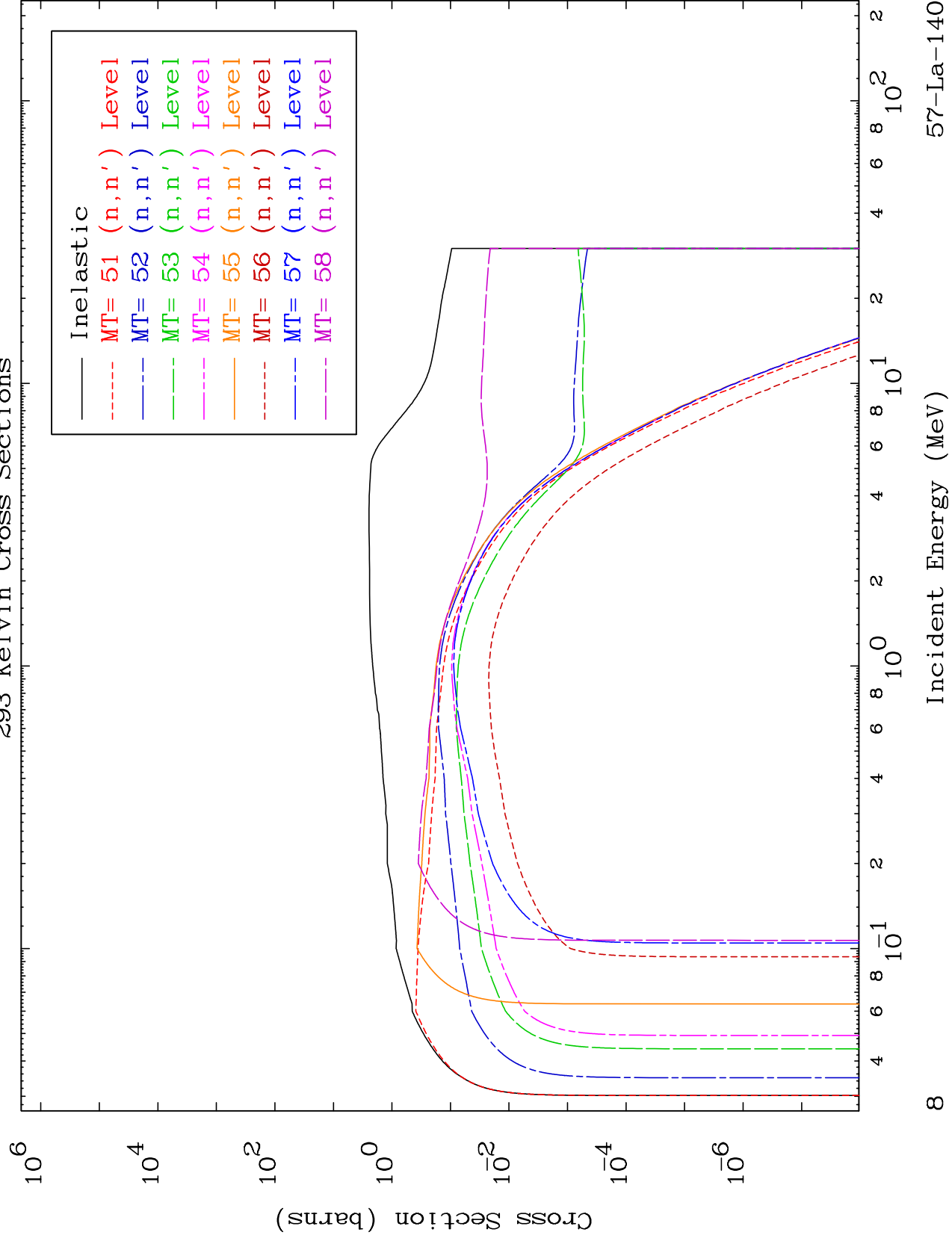


MAT 5731

(n,n') Levels

293 Kelvin Cross Sections

57-La-140

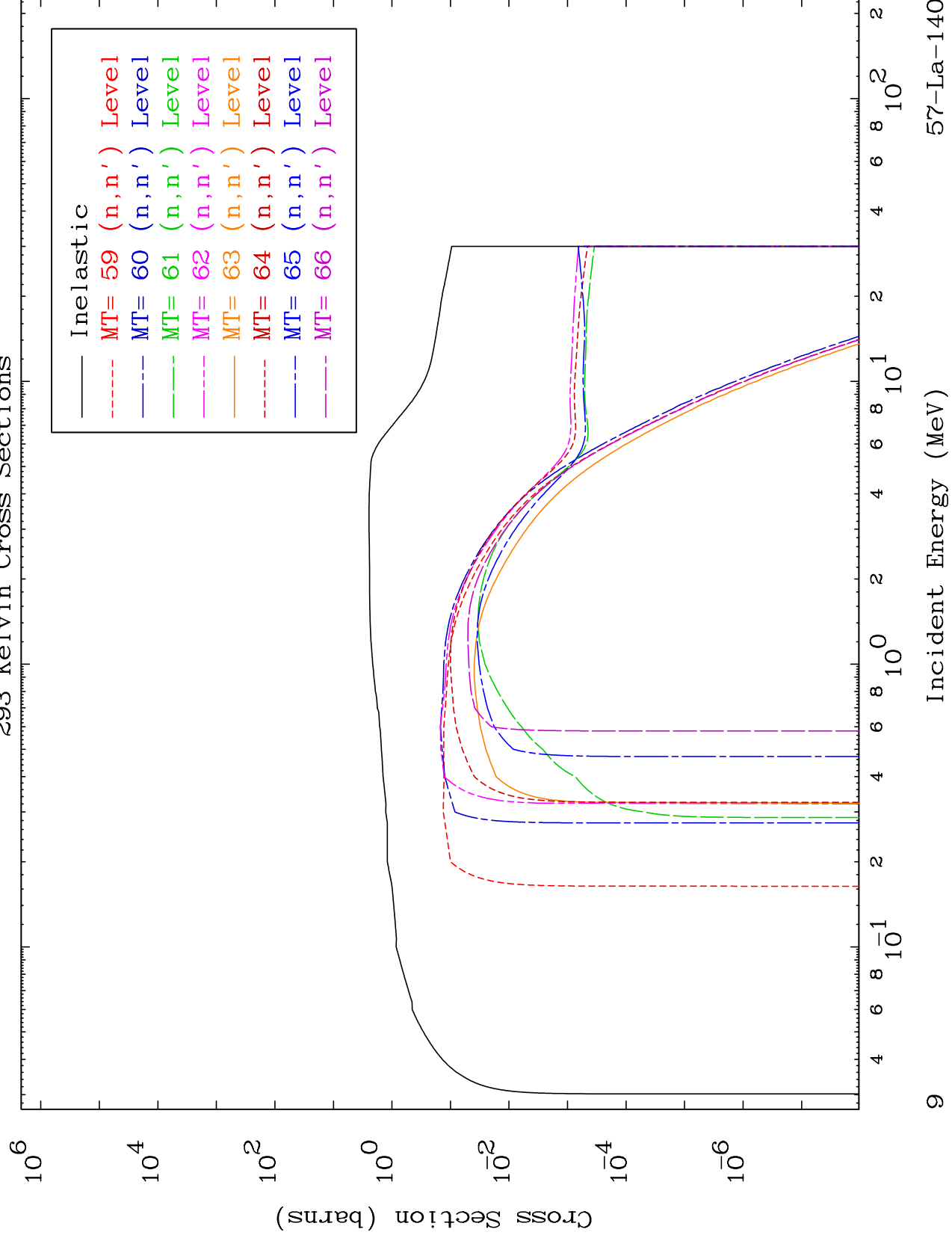


MAT 5731

(n,n') Levels

293 Kelvin Cross Sections

57-La-140

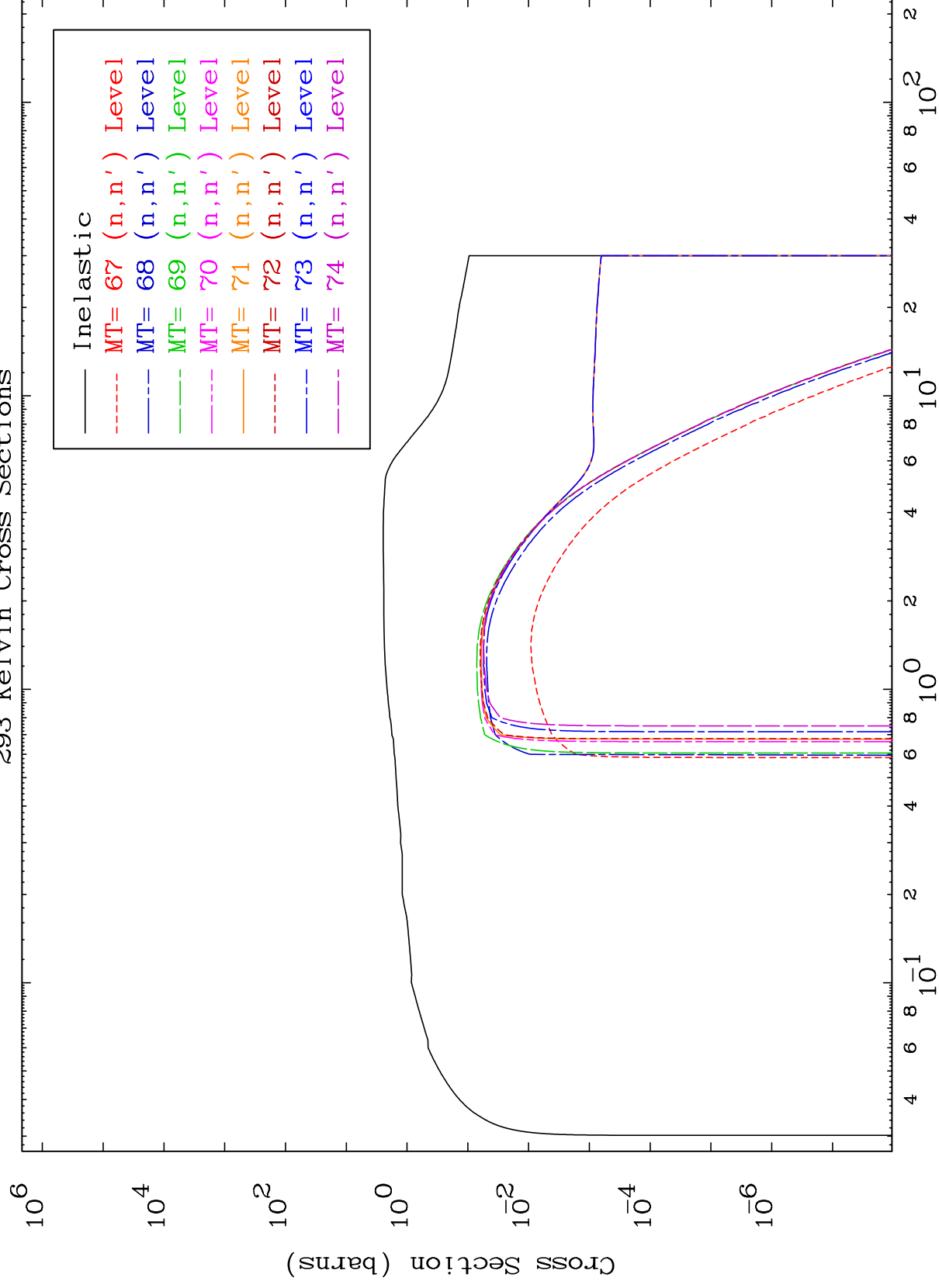


MAT 5731

(n,n') Levels

293 Kelvin Cross Sections

57-La-140



10

Incident Energy (MeV)

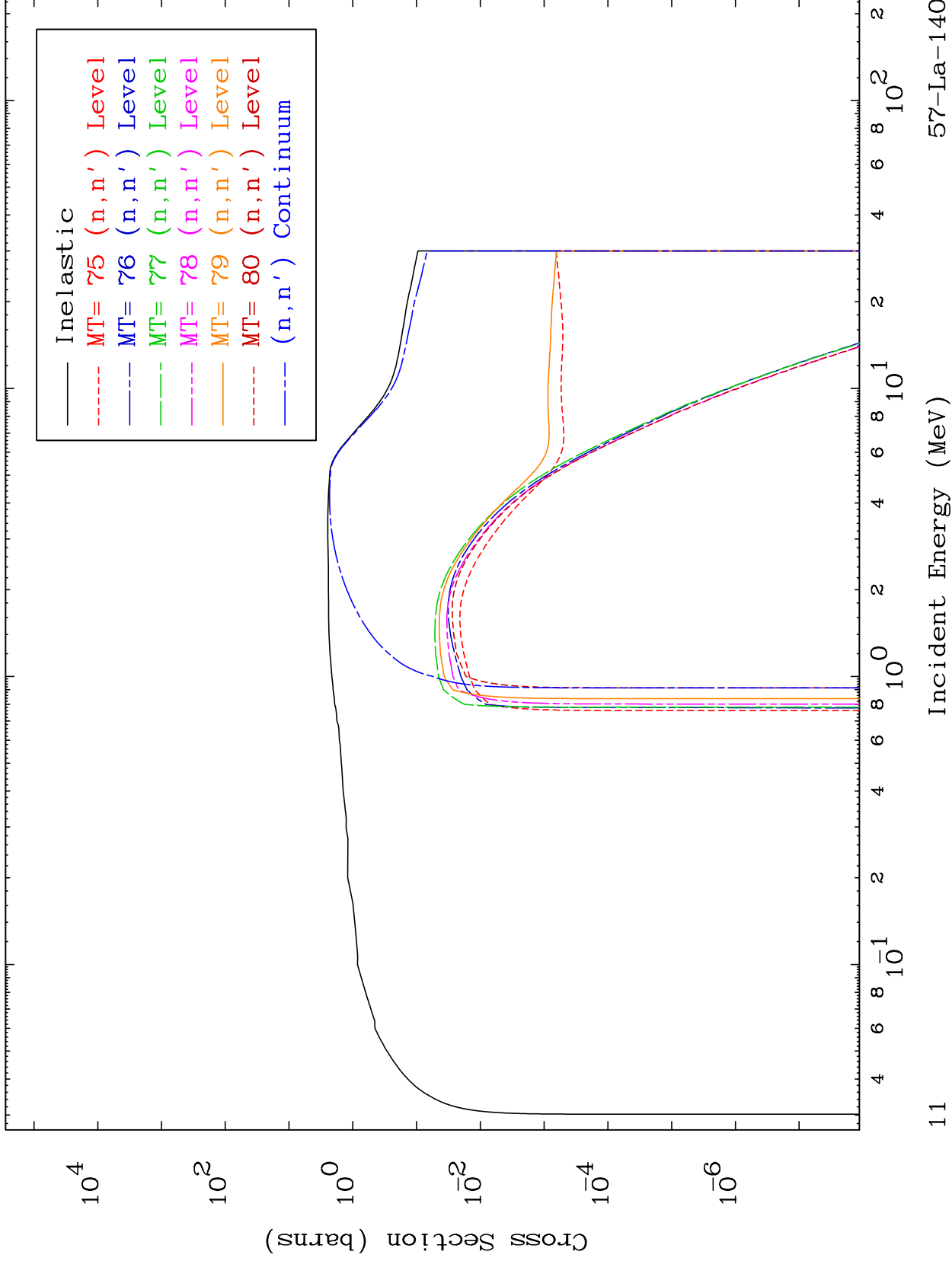
57-La-140

MAT 5731

(n,n') Levels

293 Kelvin Cross Sections

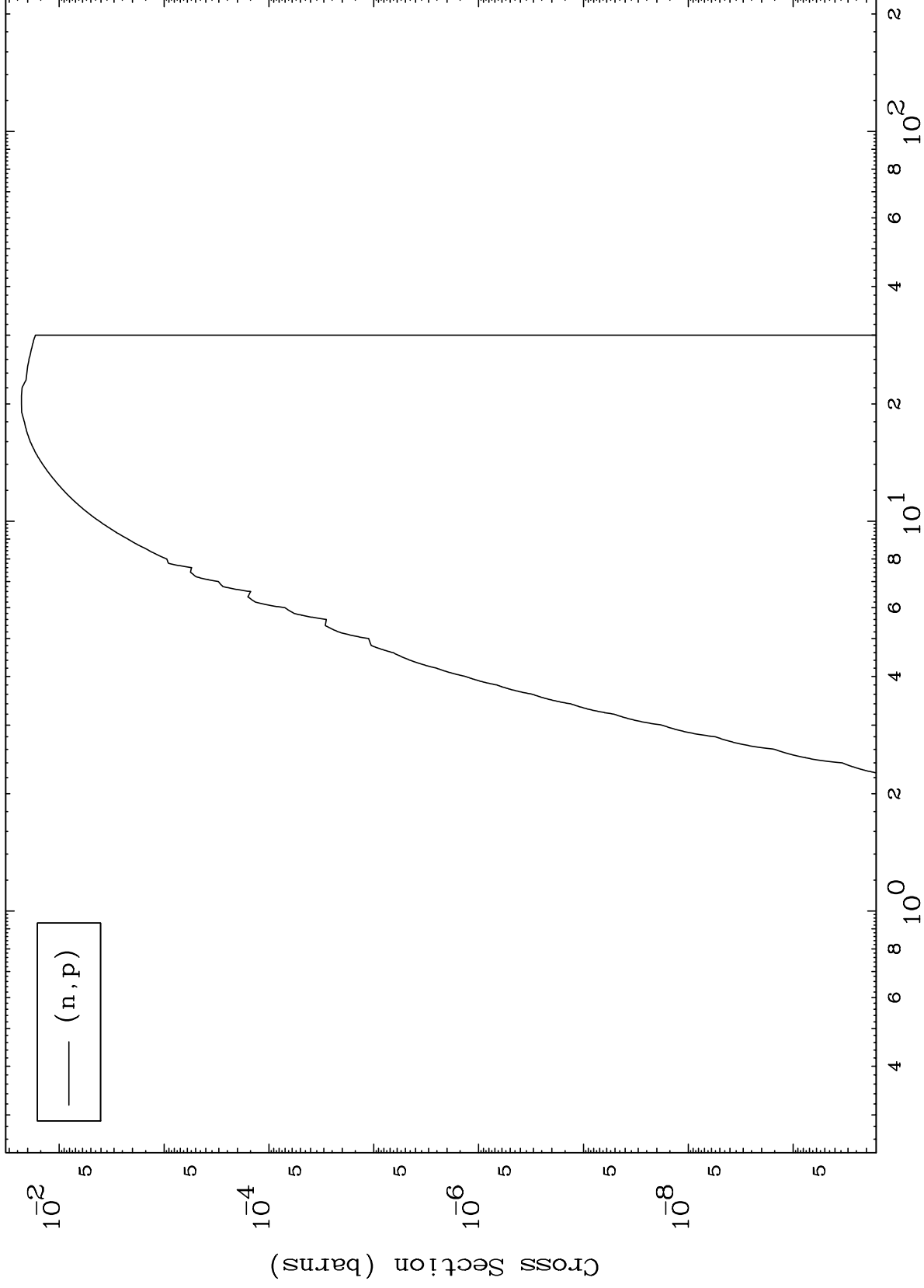
57-La-140



MAT 5731

(n,p) Levels
293 Kelvin Cross Sections

57-La-140



12

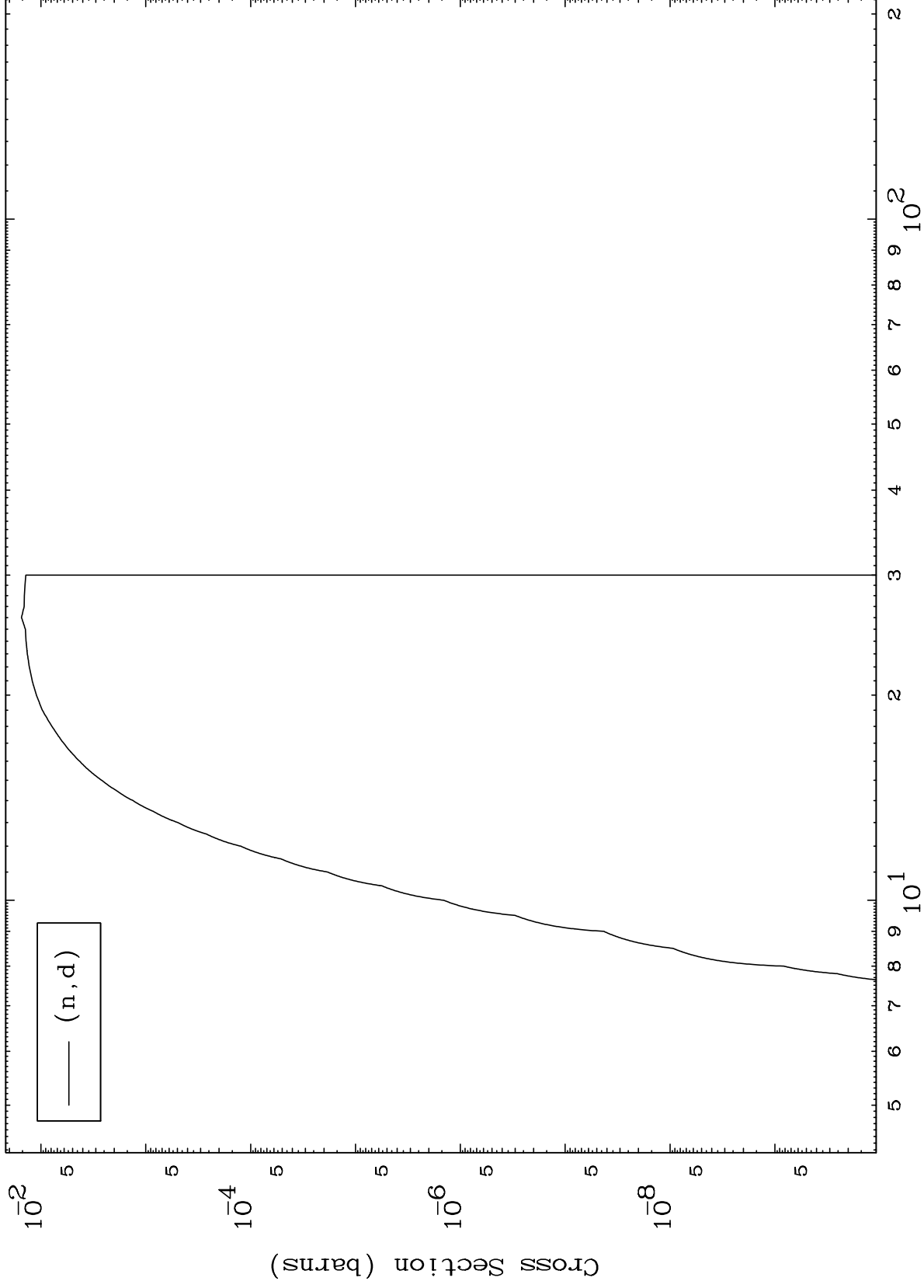
Incident Energy (MeV)

57-La-140

MAT 5731

(n,d) Levels
293 Kelvin Cross Sections

57-La-140



13

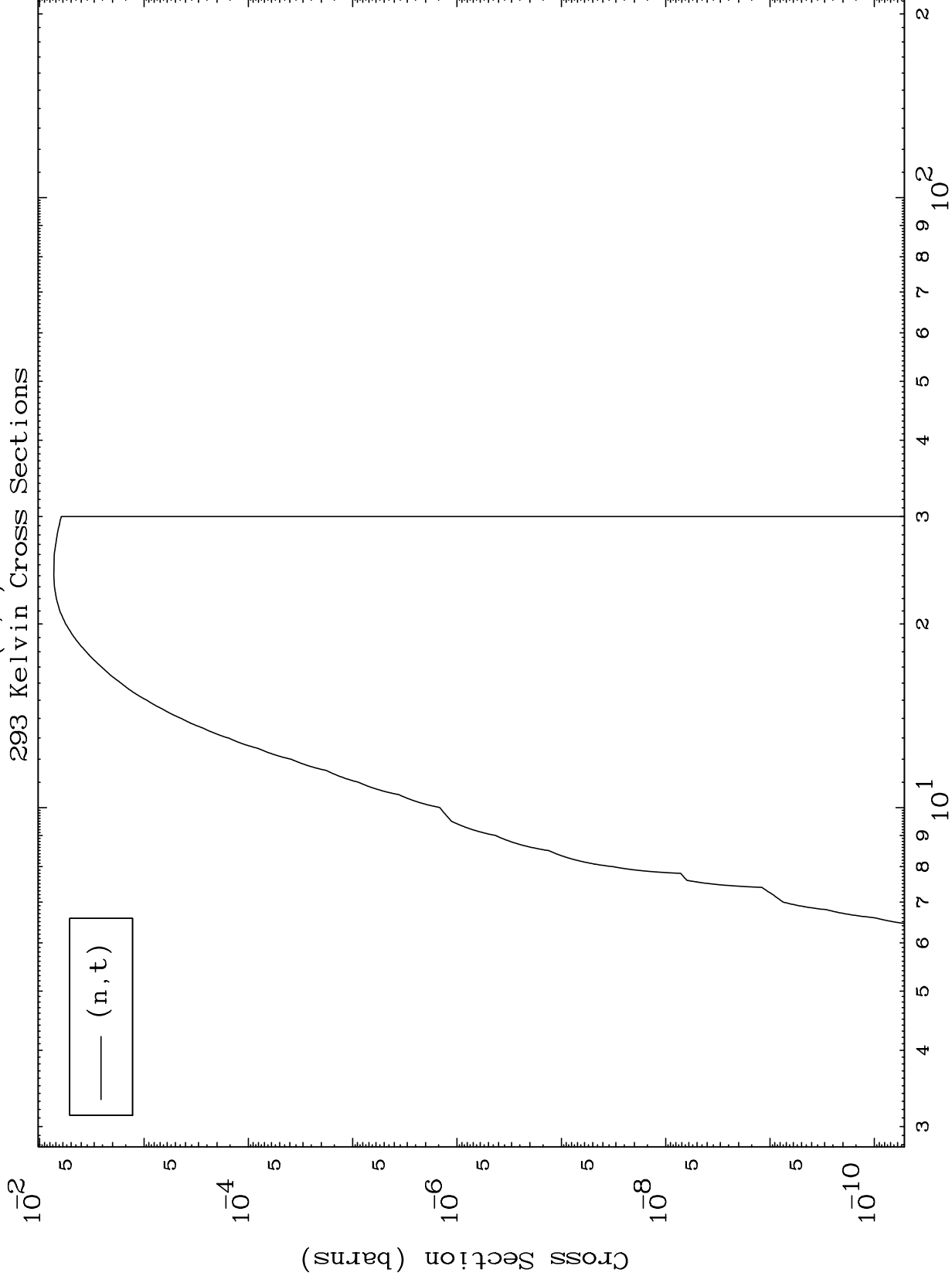
Incident Energy (MeV)

57-La-140

MAT 5731

(n,t) Levels
293 Kelvin Cross Sections

57-La-140



14

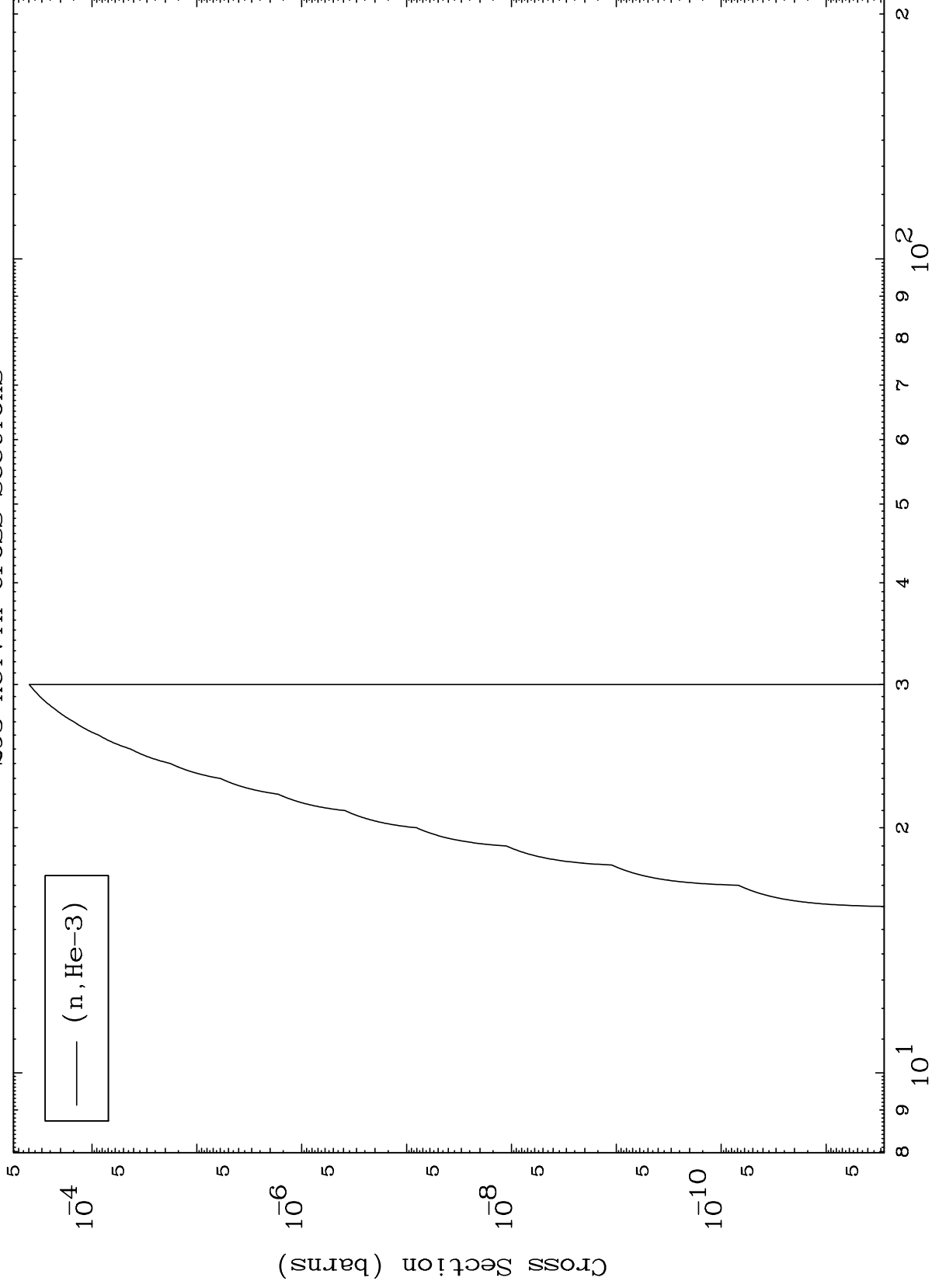
Incident Energy (MeV)

57-La-140

MAT 5731

(n,He3) Levels
293 Kelvin Cross Sections

57-La-140



15

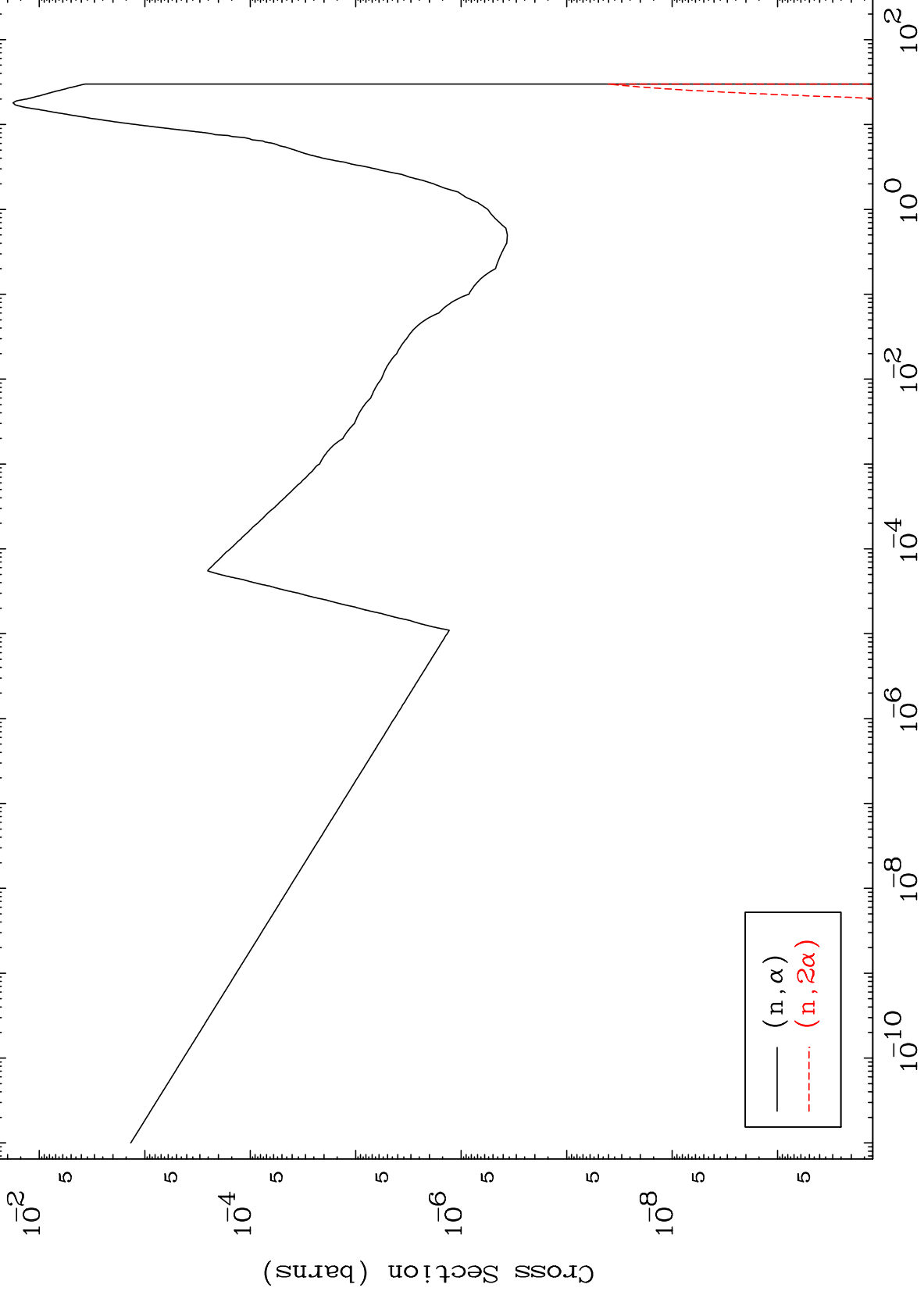
Incident Energy (MeV)

57-La-140

MAT 5731

(n,α) Levels
293 Kelvin Cross Sections

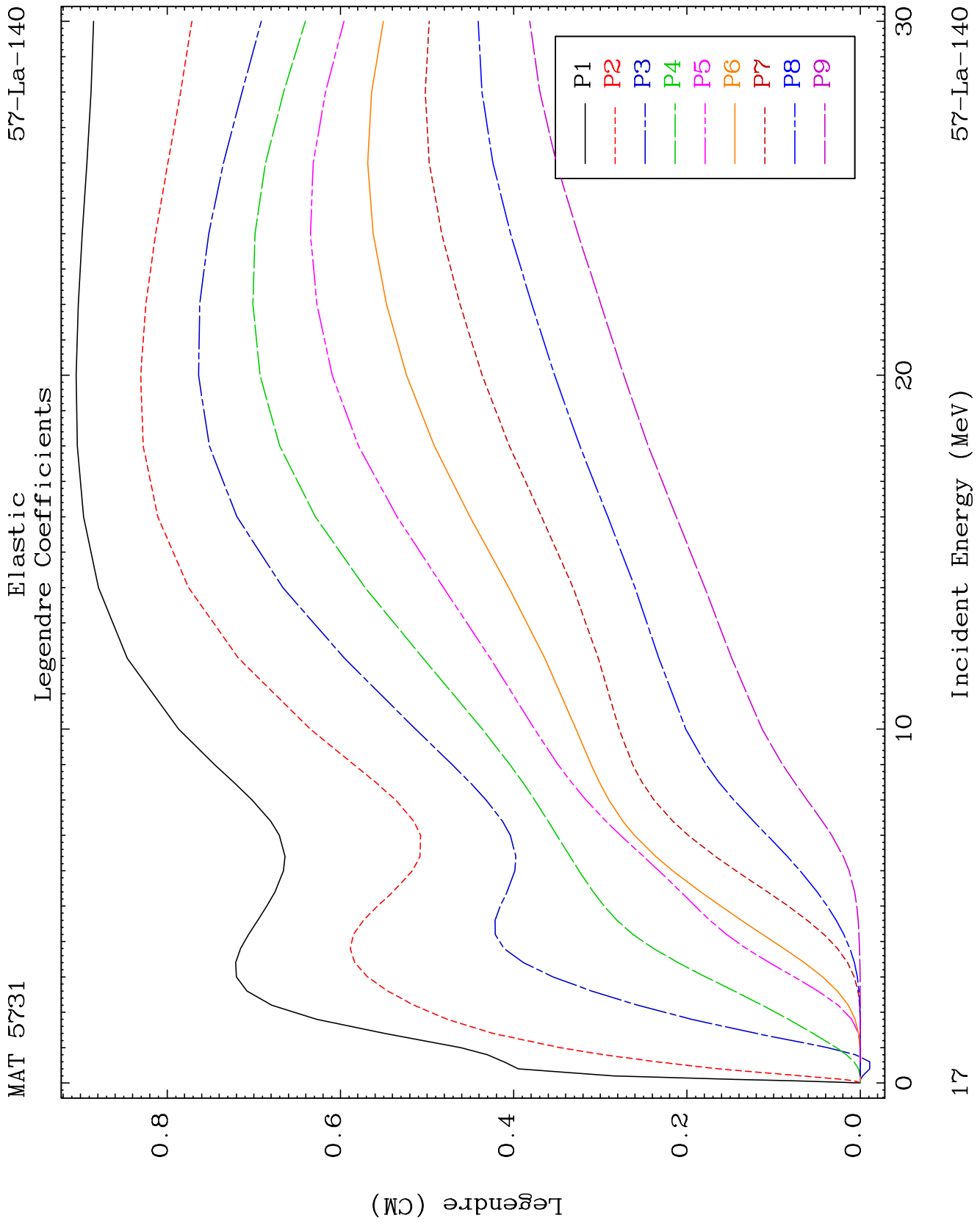
57-La-140

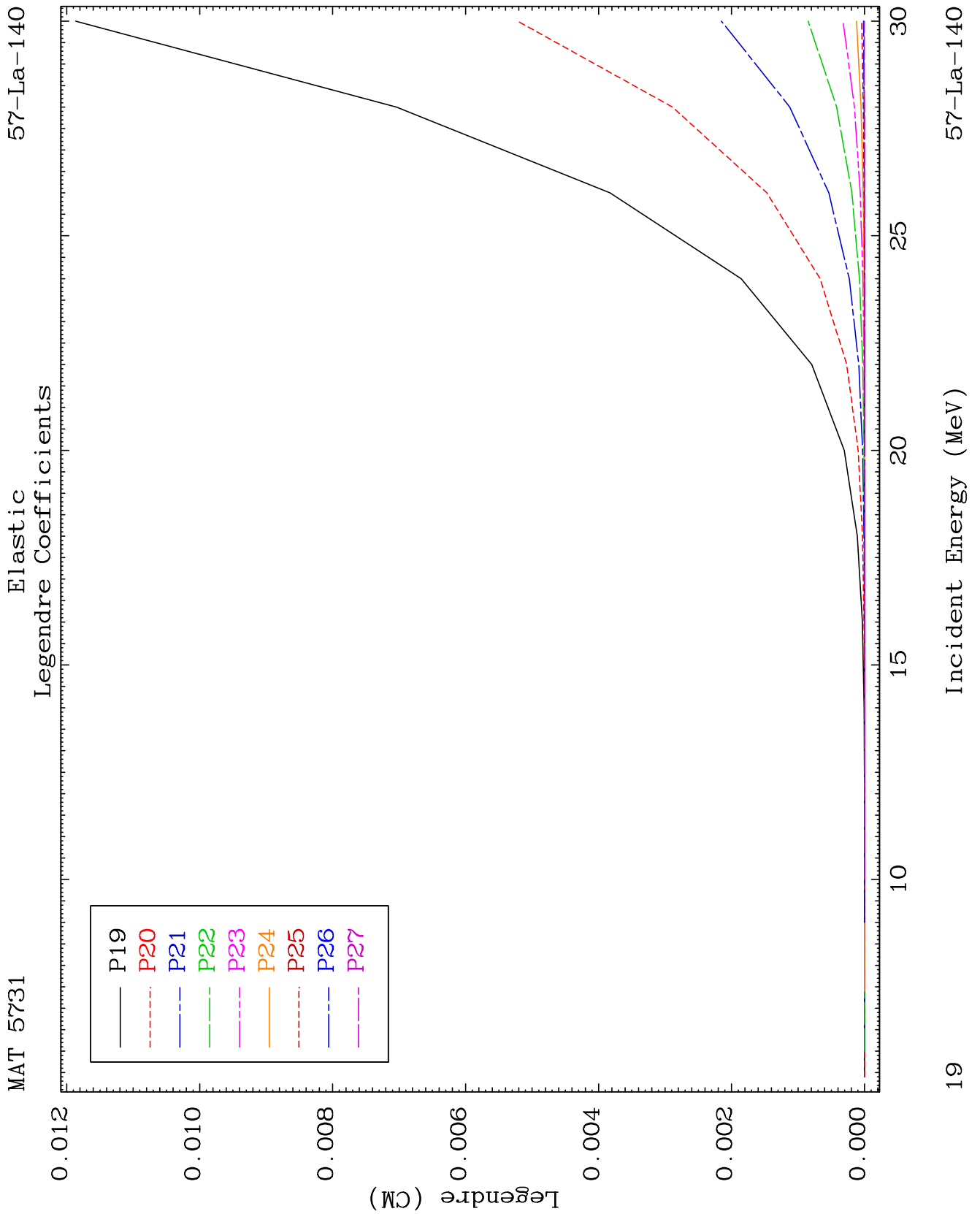


16

Incident Energy (MeV)

57-La-140



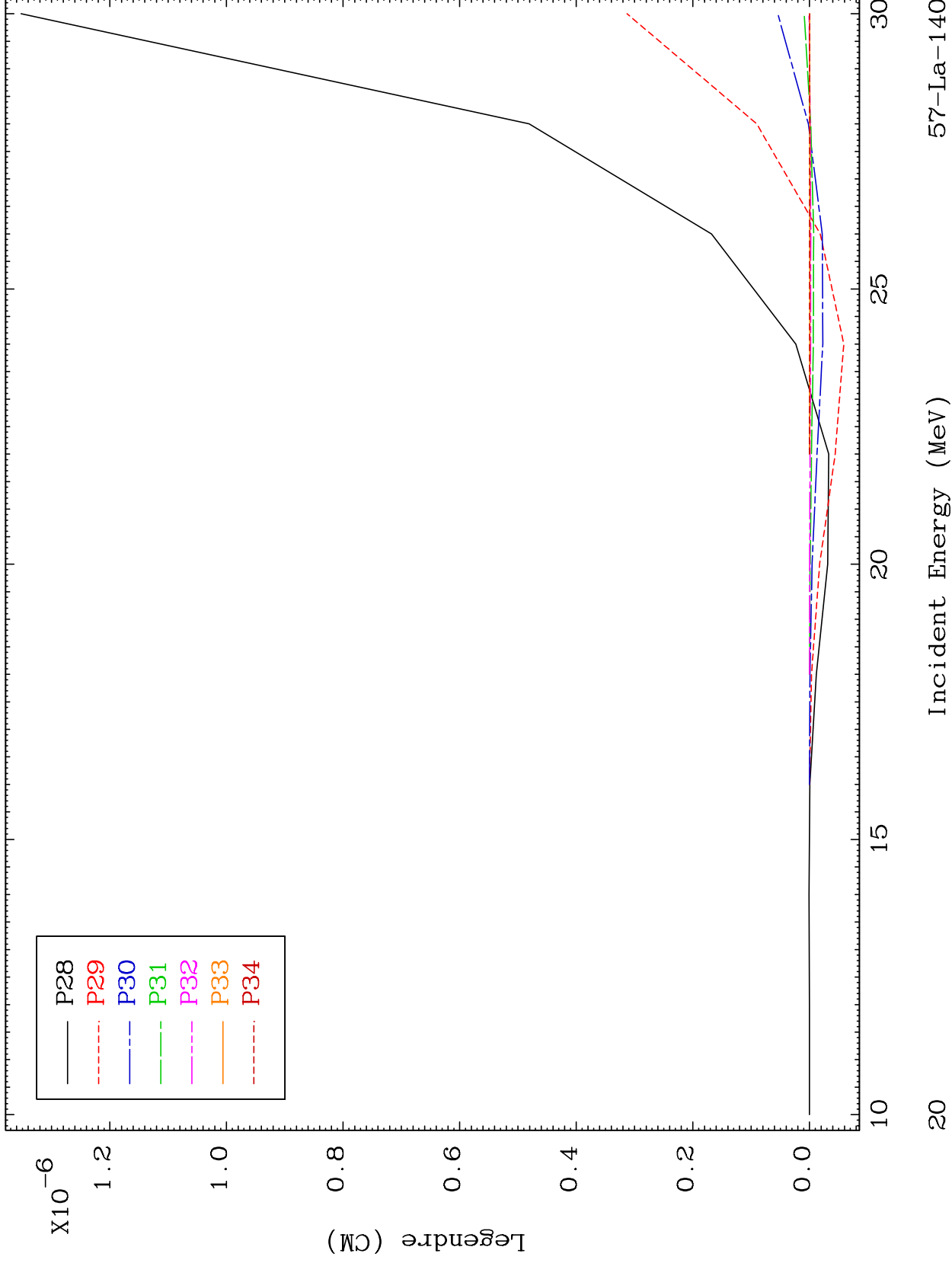


MAT 5731

MAT 5731

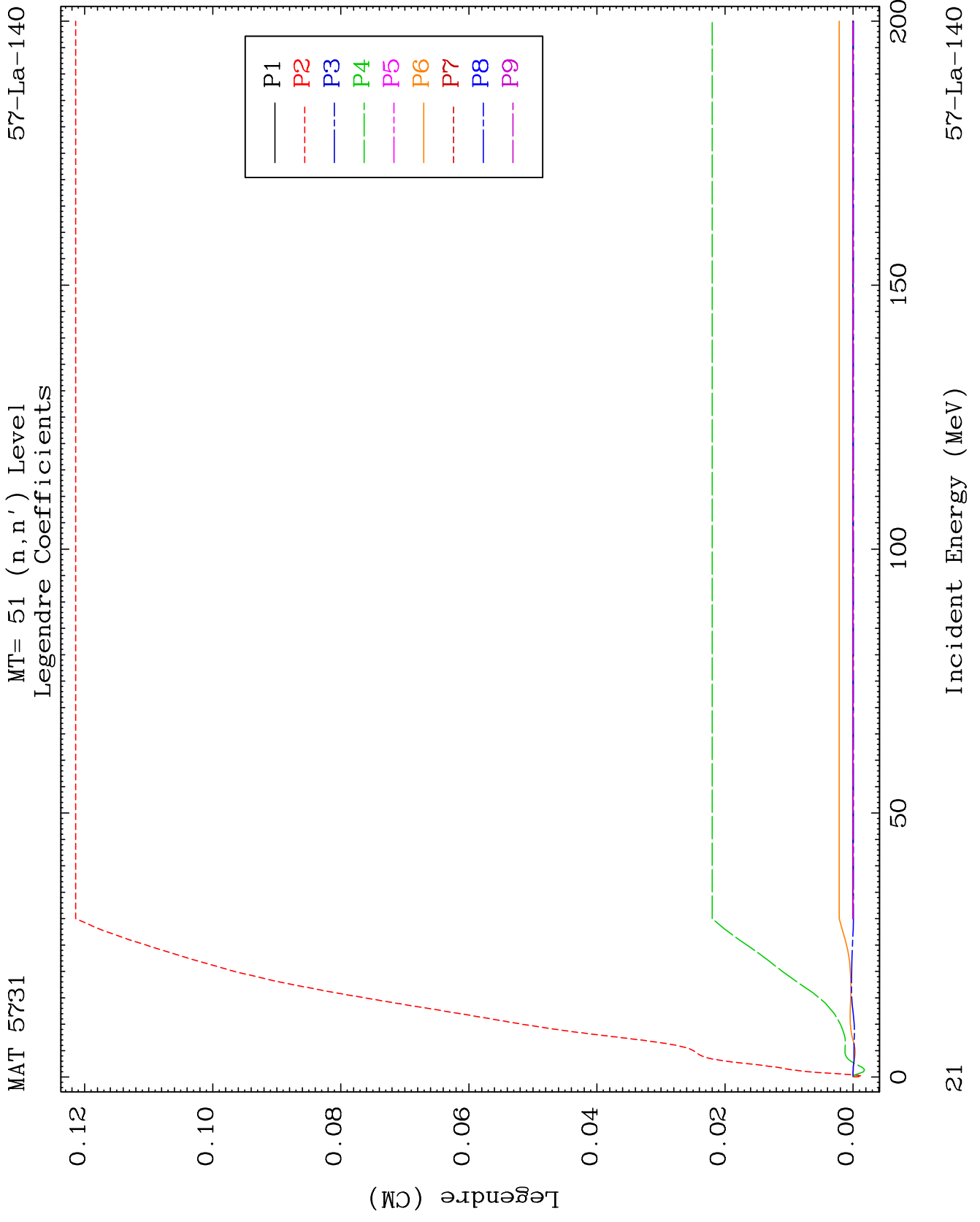
Elastic
Legendre Coefficients

57-La-140



57-La-140

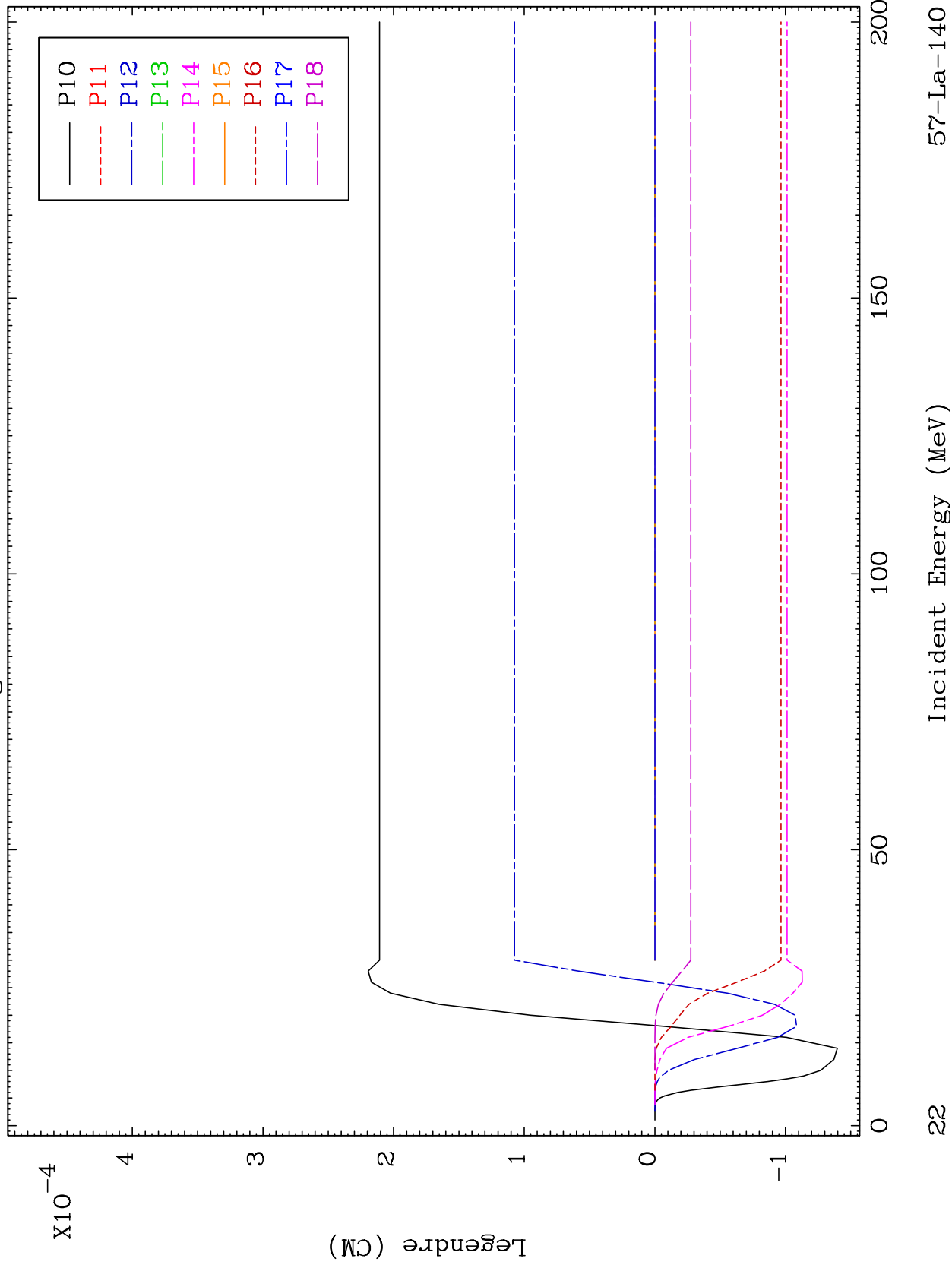
Incident Energy (MeV)

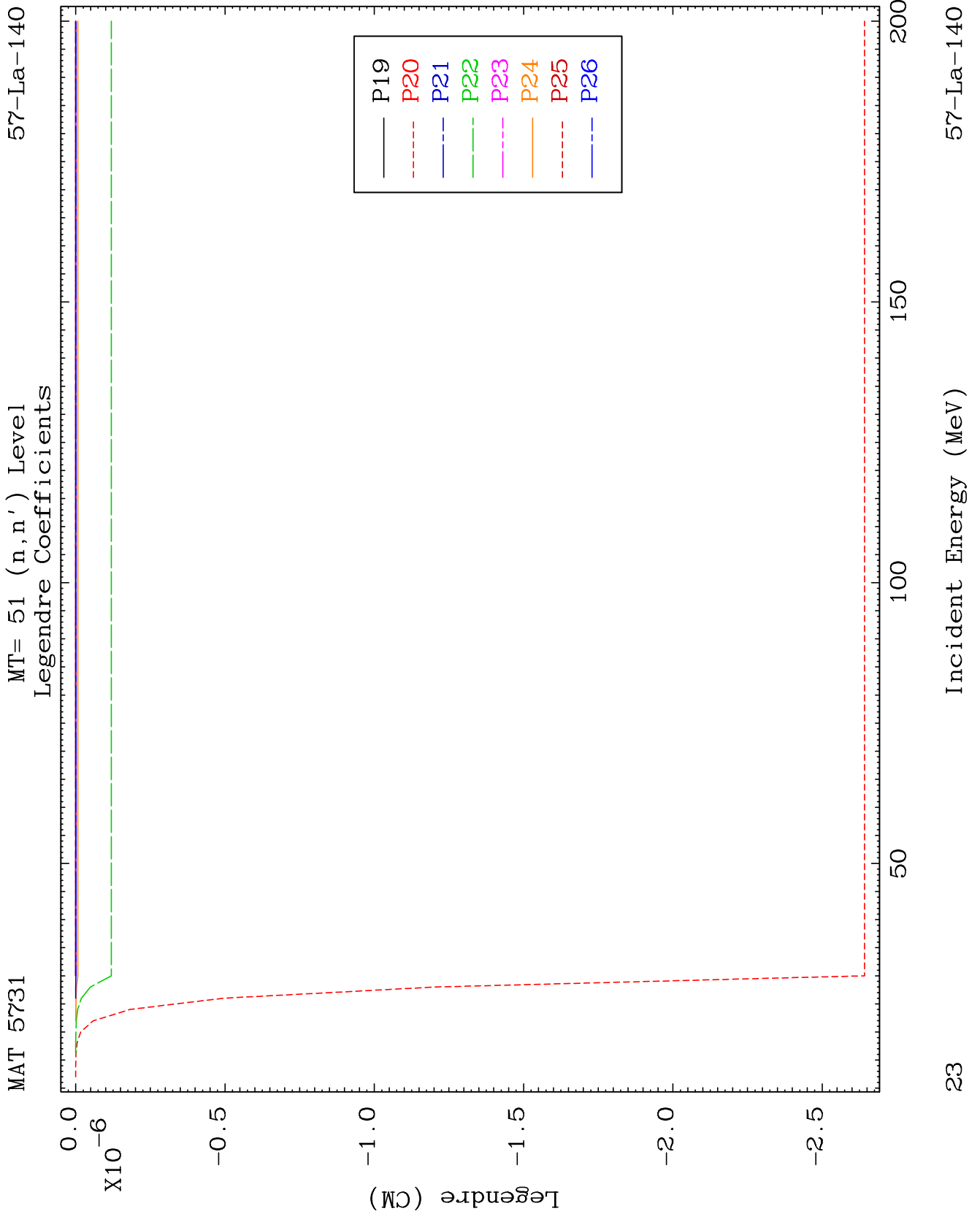


MAT 5731

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

57-La-140

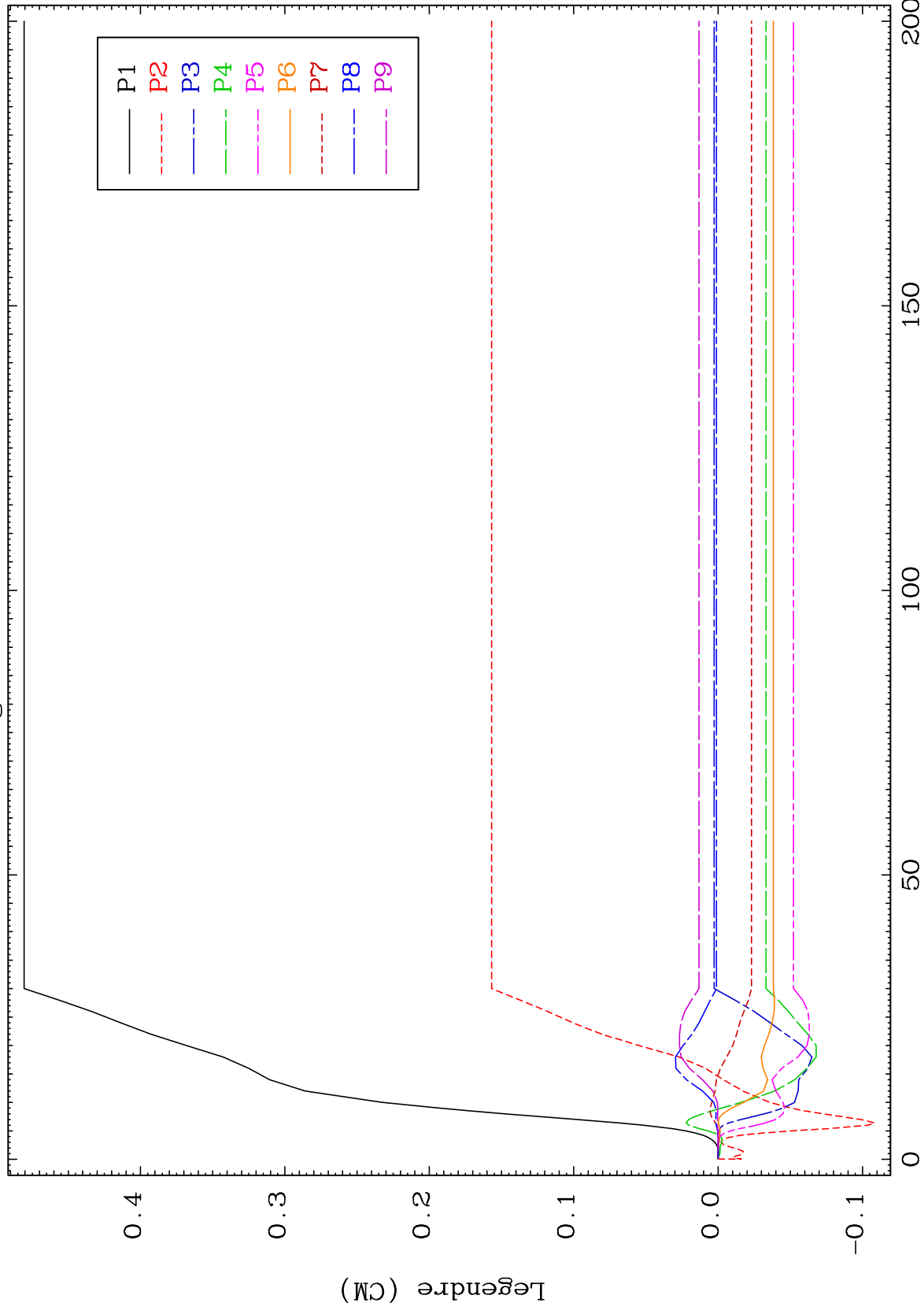




MAT 5731

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

57-La-140



24

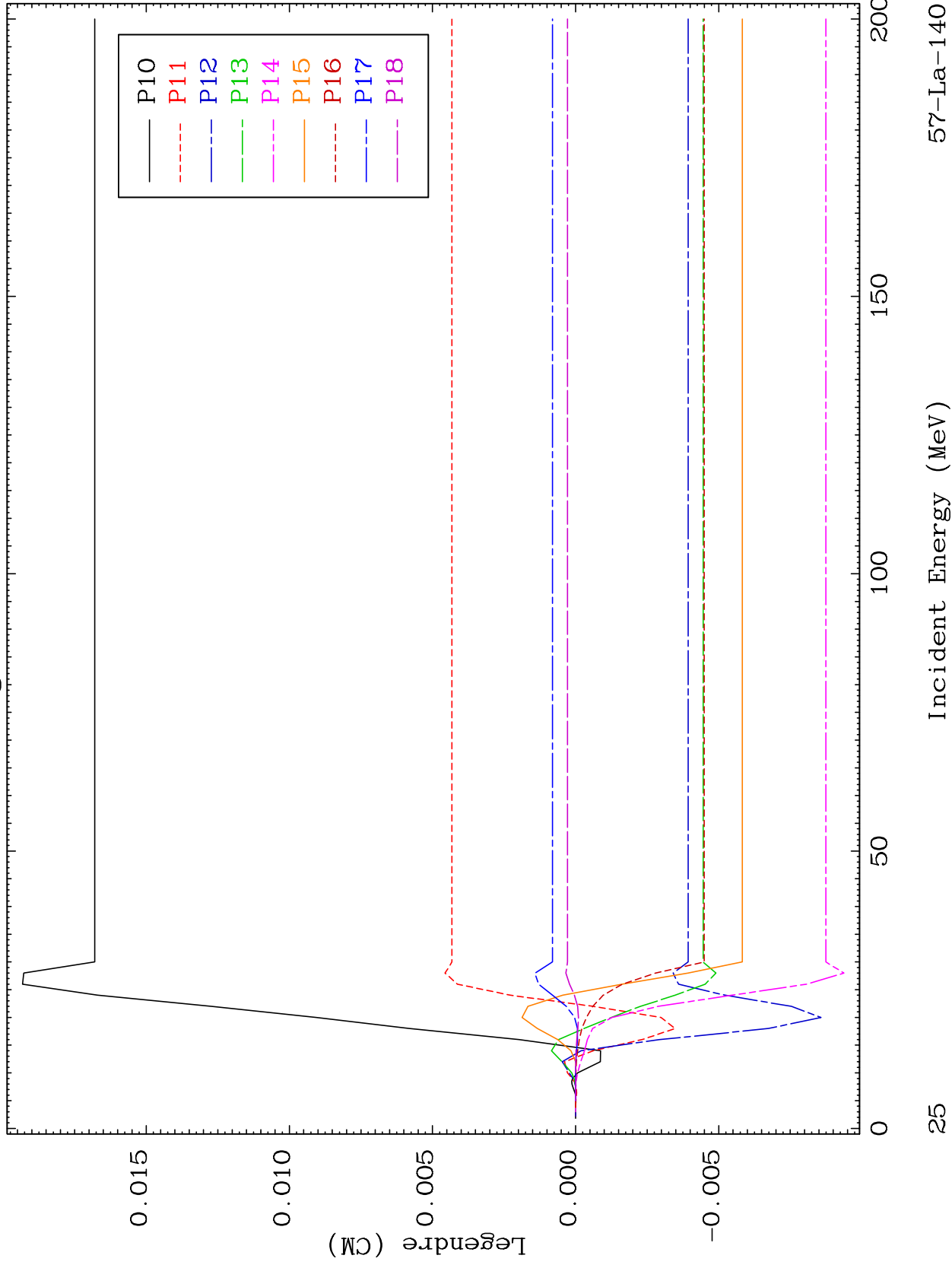
Incident Energy (MeV)

57-La-140

MAT 5731

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

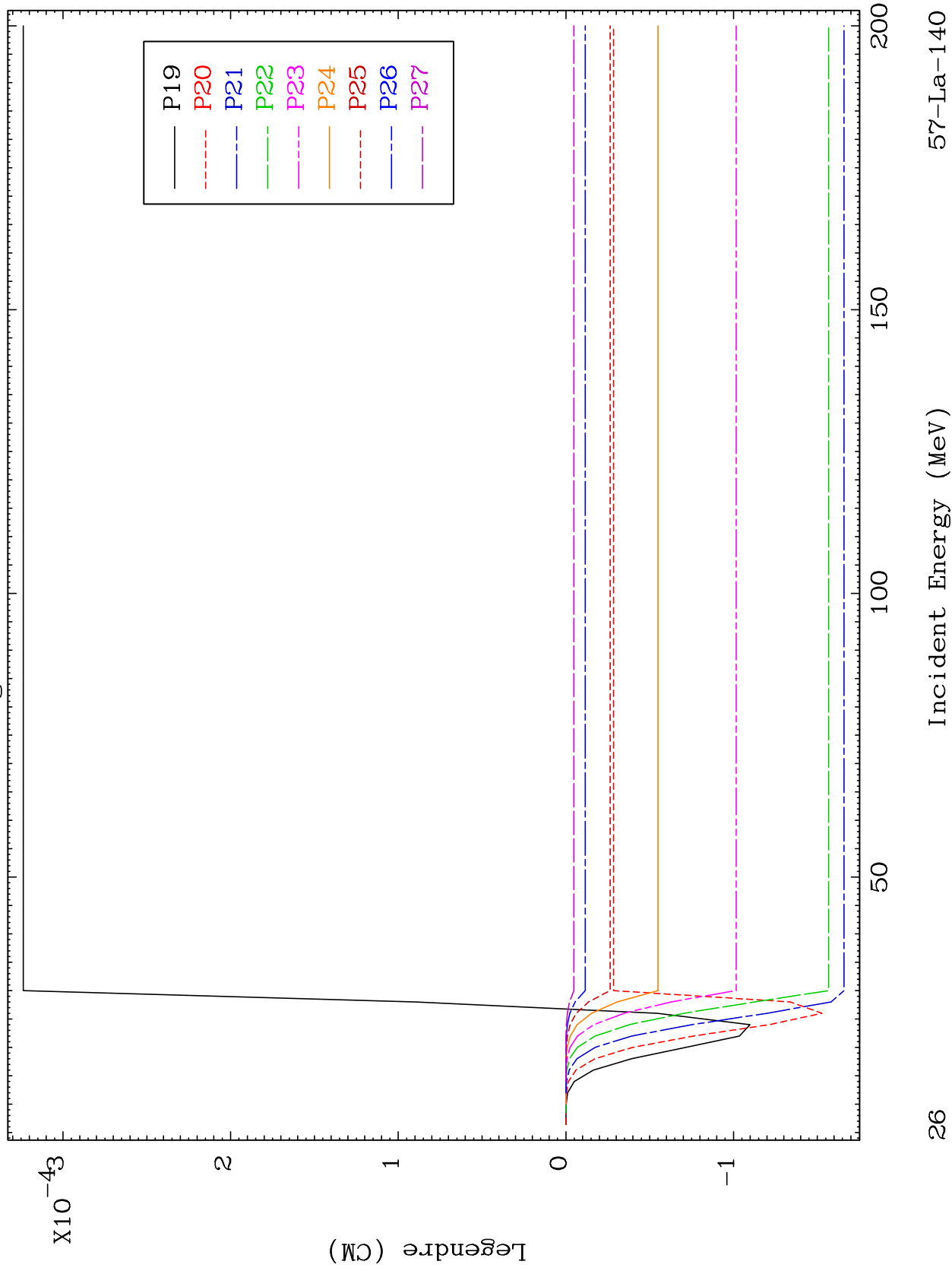
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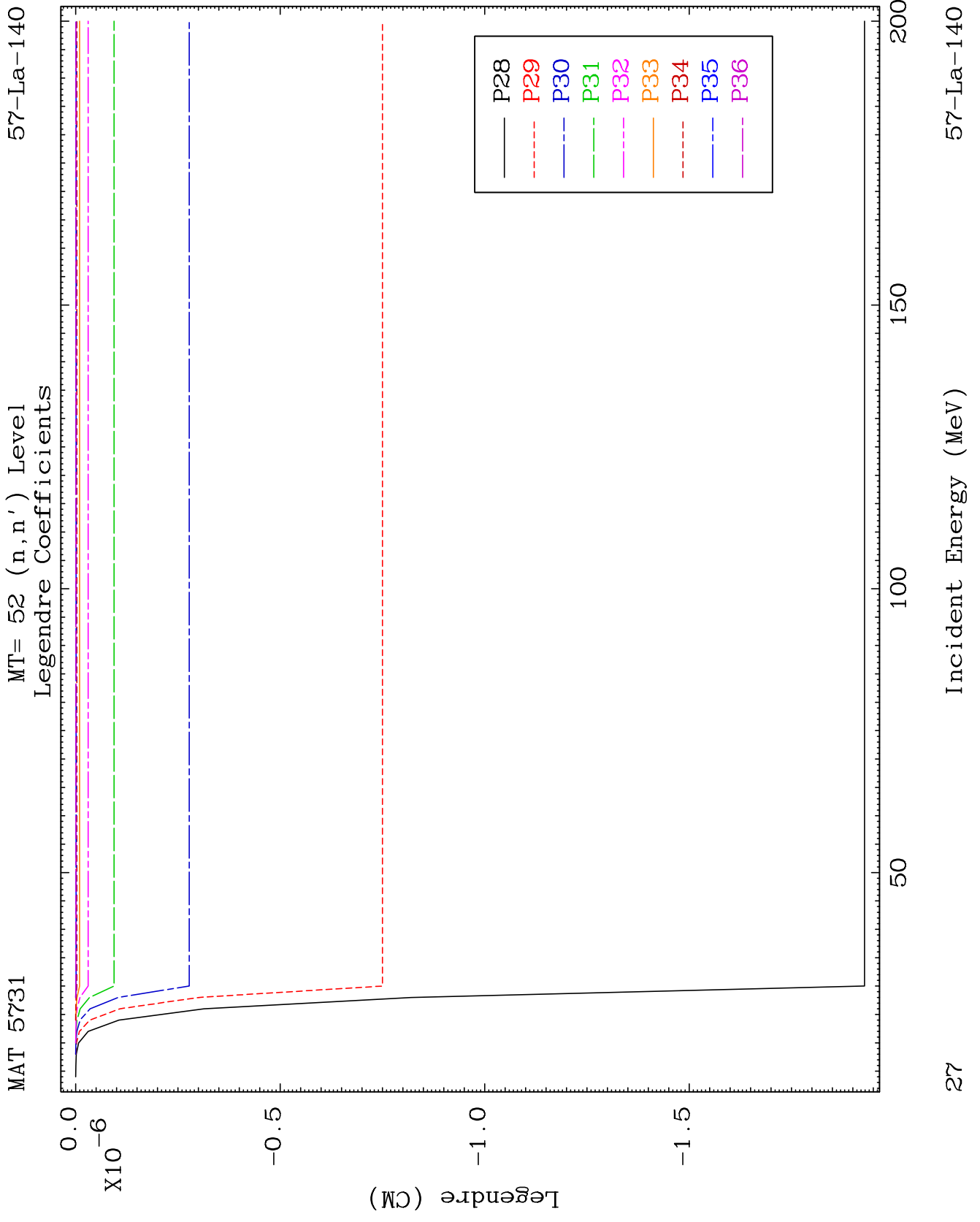


57-La-140

Incident Energy (MeV)

25

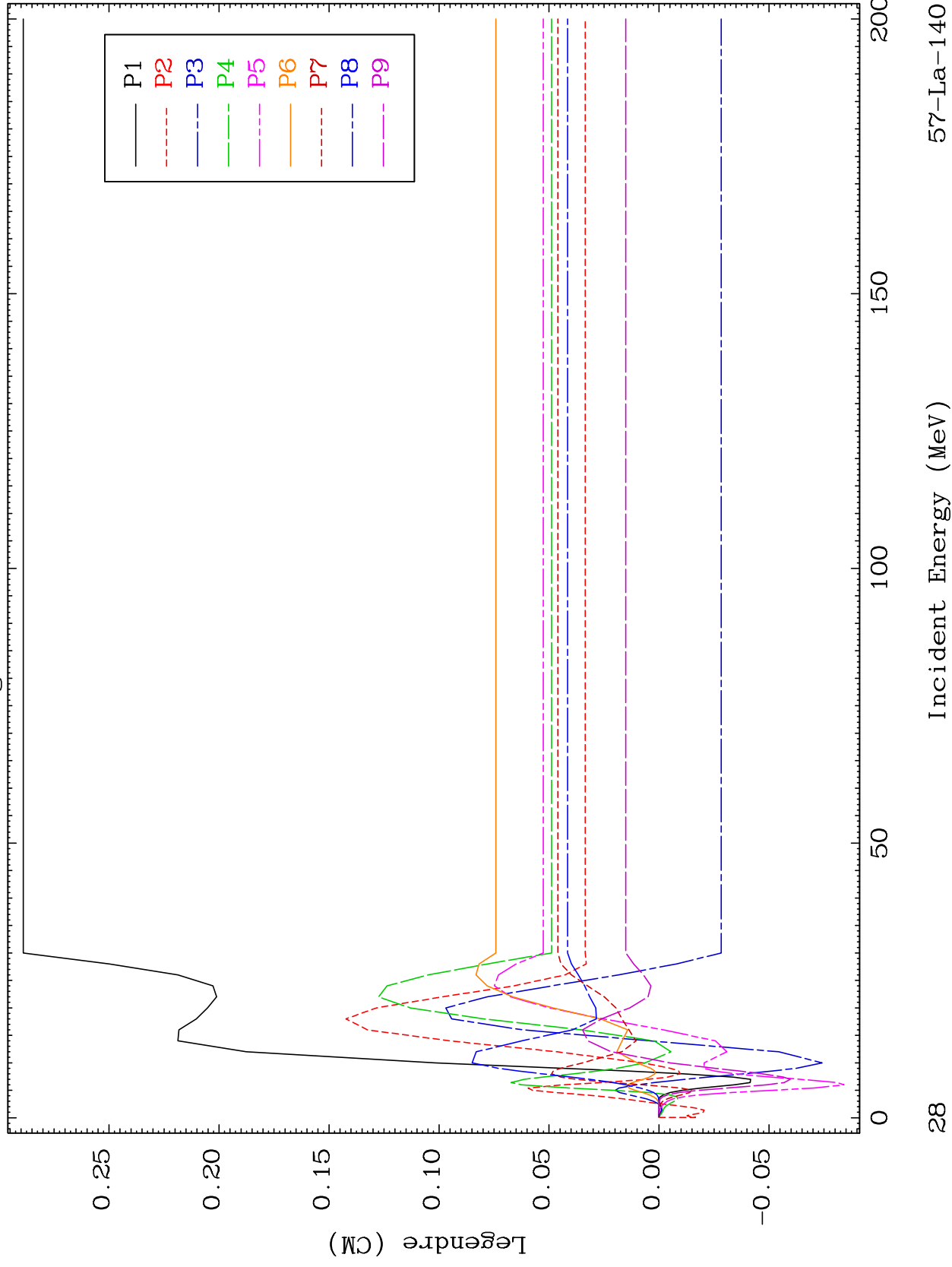




MAT 5731

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

57-La-140



57-La-140

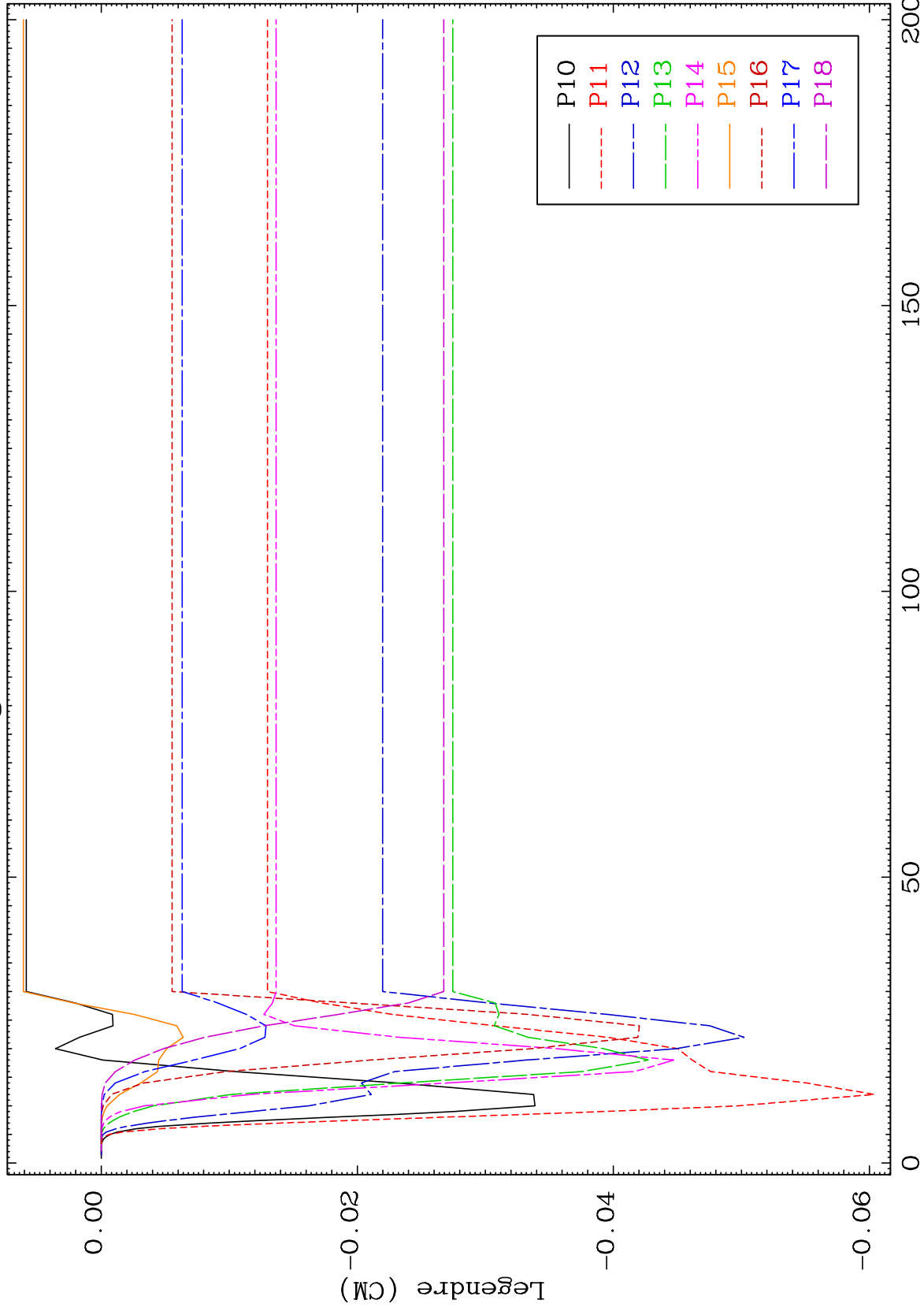
Incident Energy (MeV)

28

MAT 5731

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

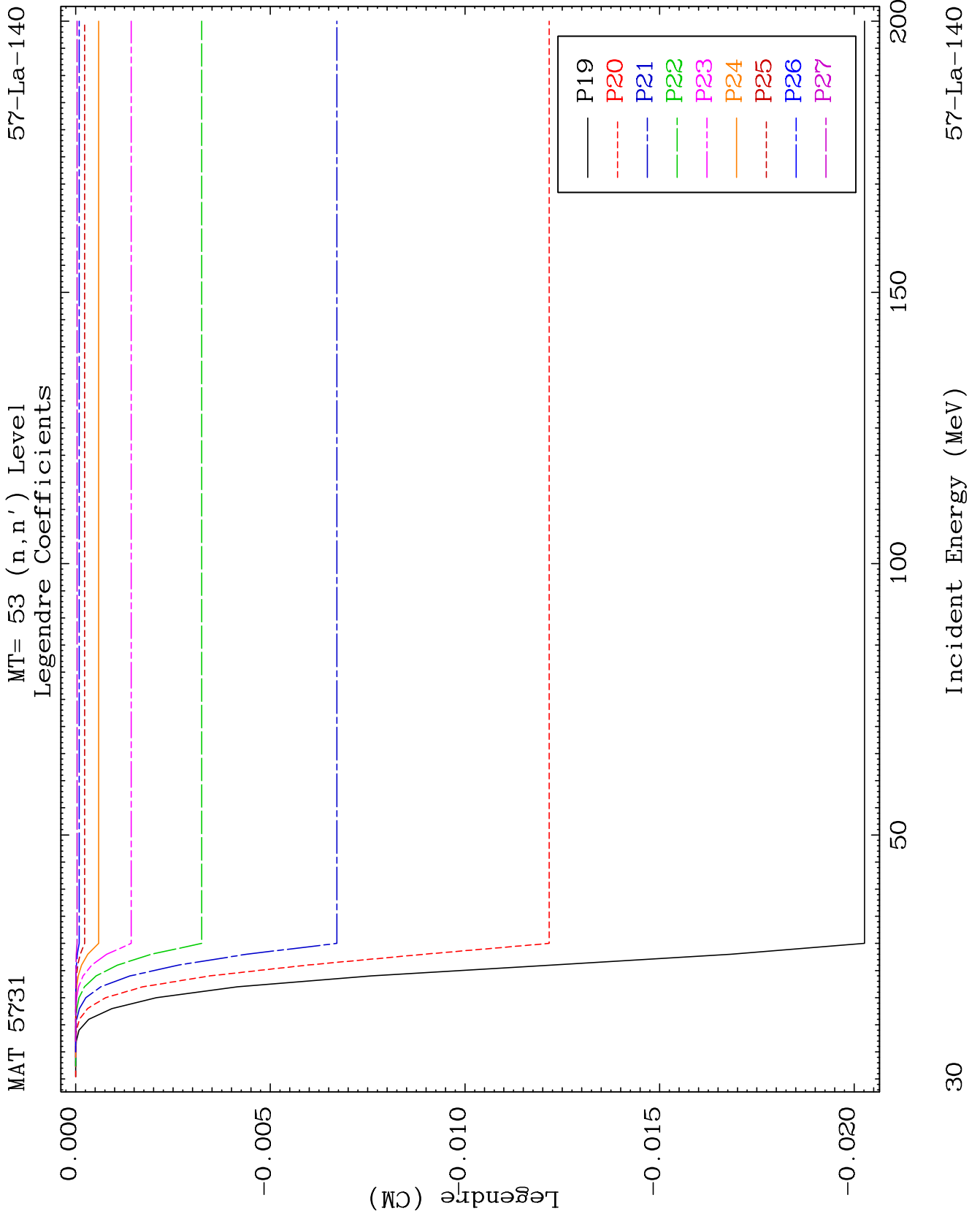
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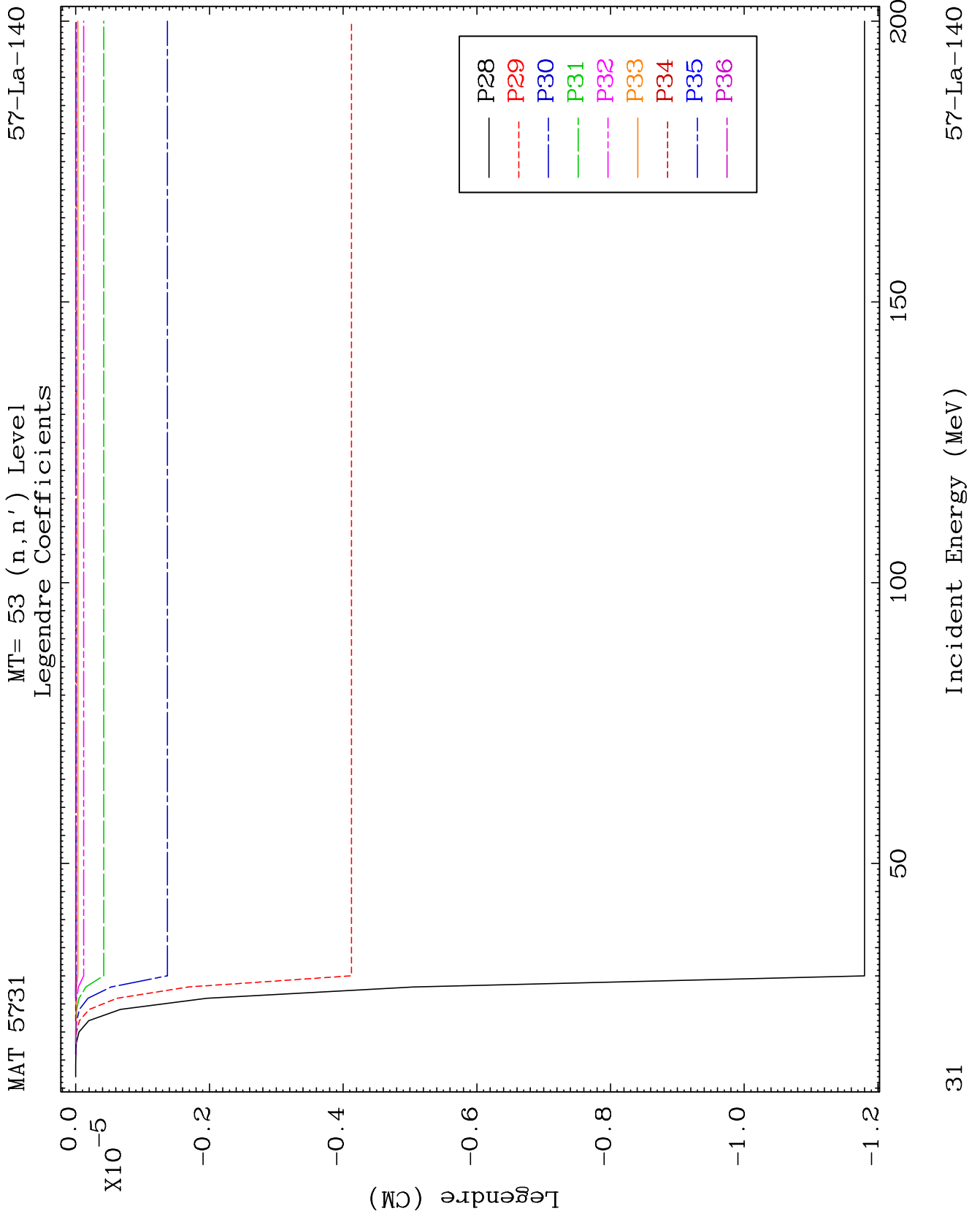


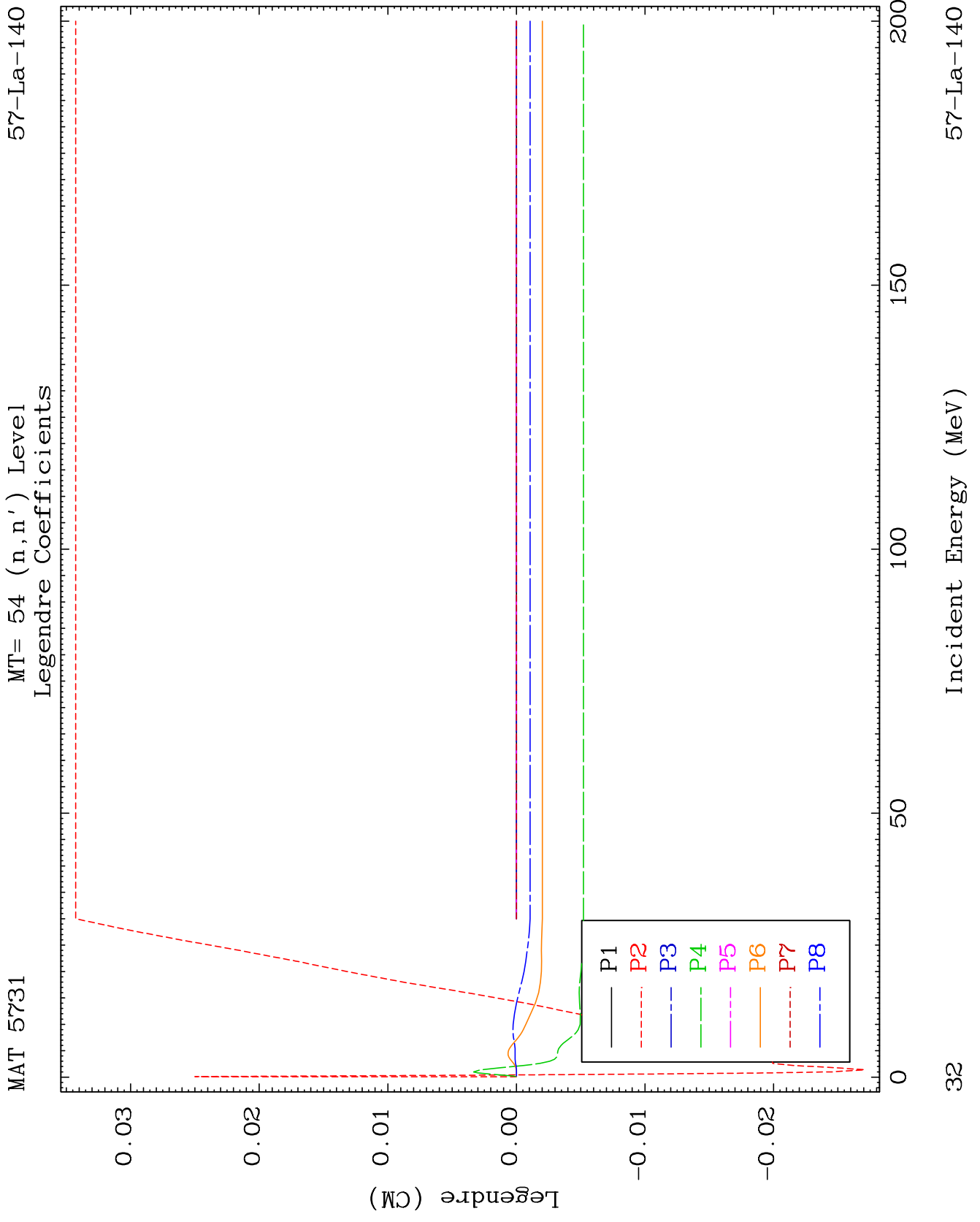
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Incident Energy (MeV)

57-La-140



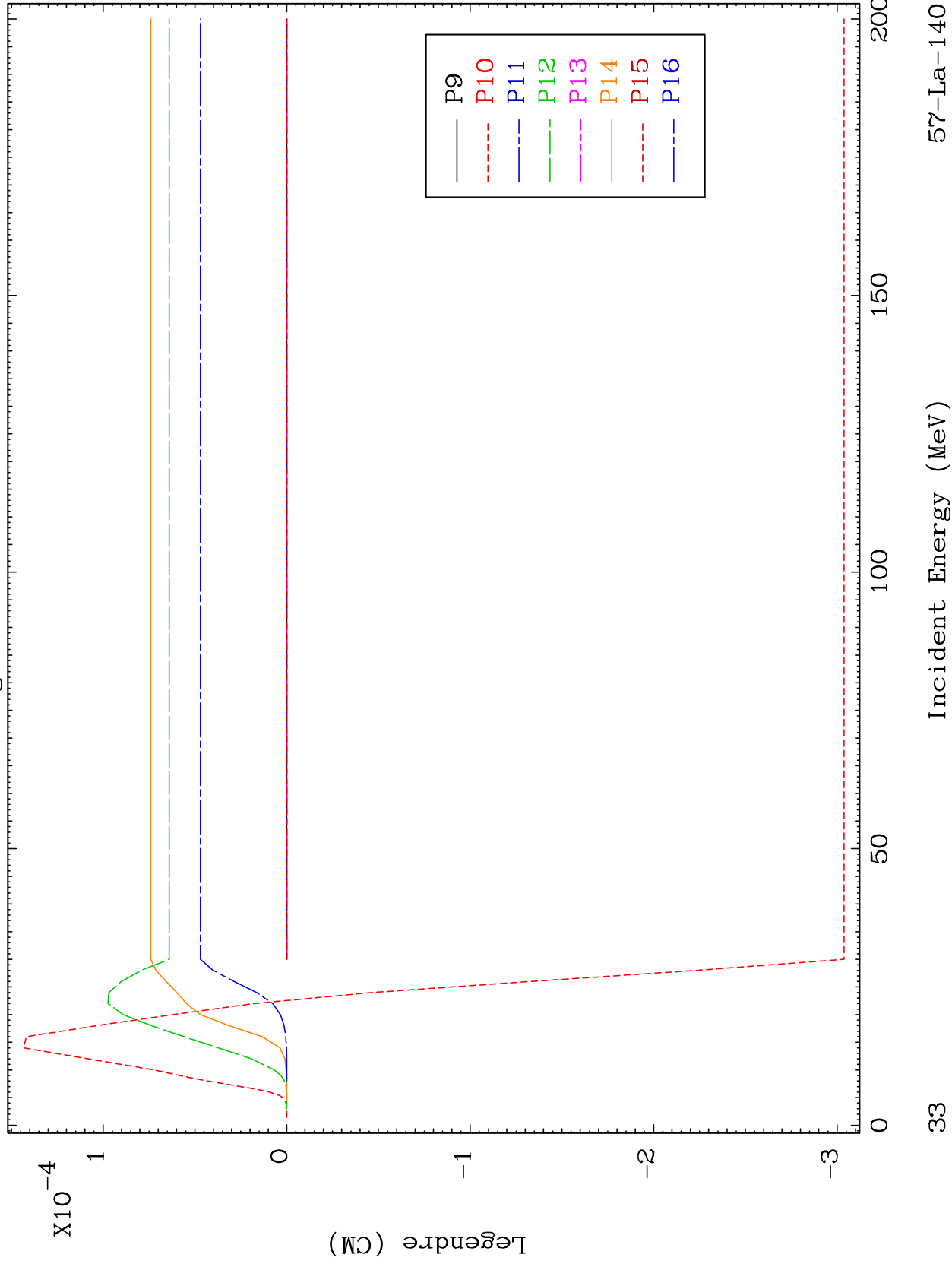


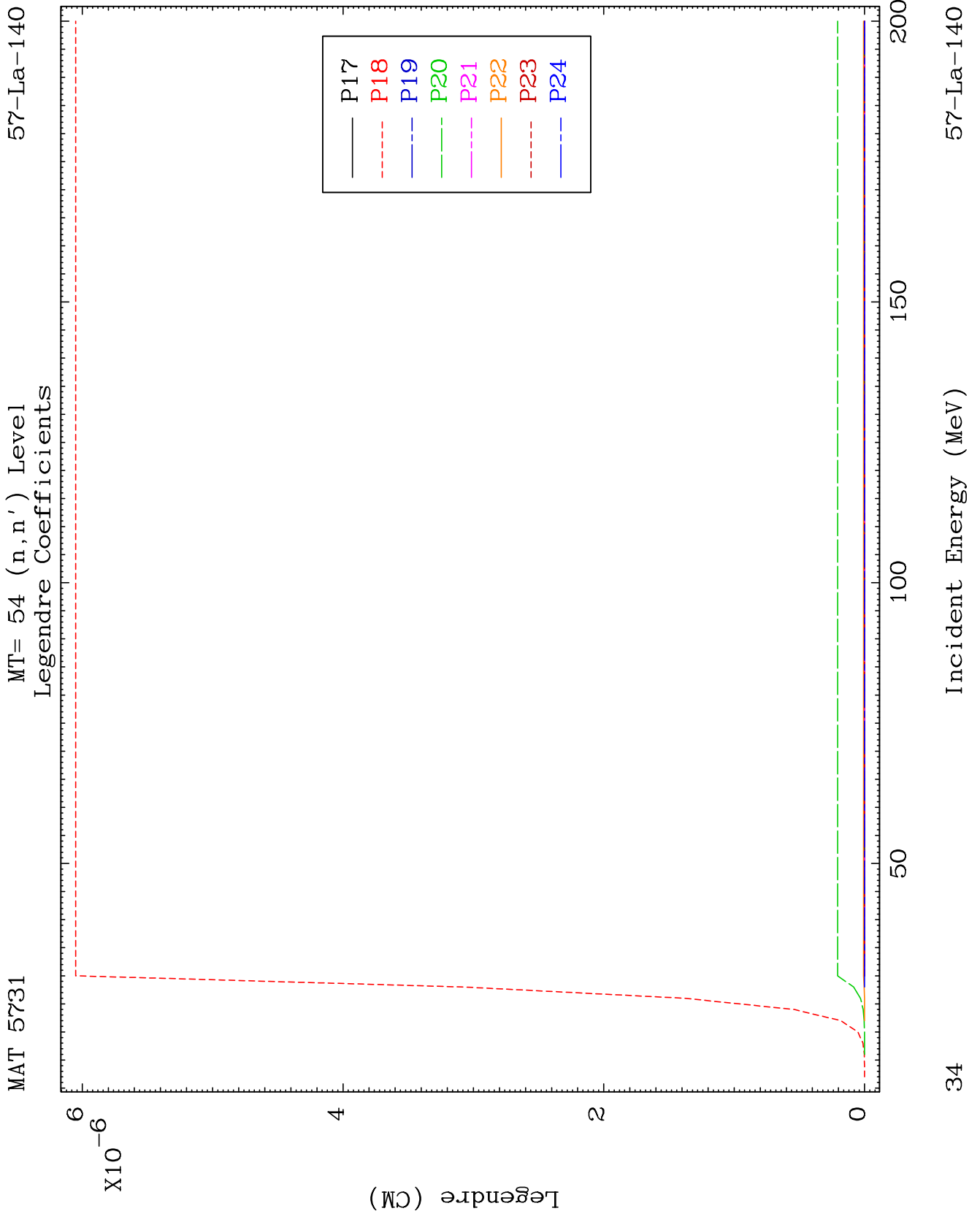


MAT 5731

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

57-La-140

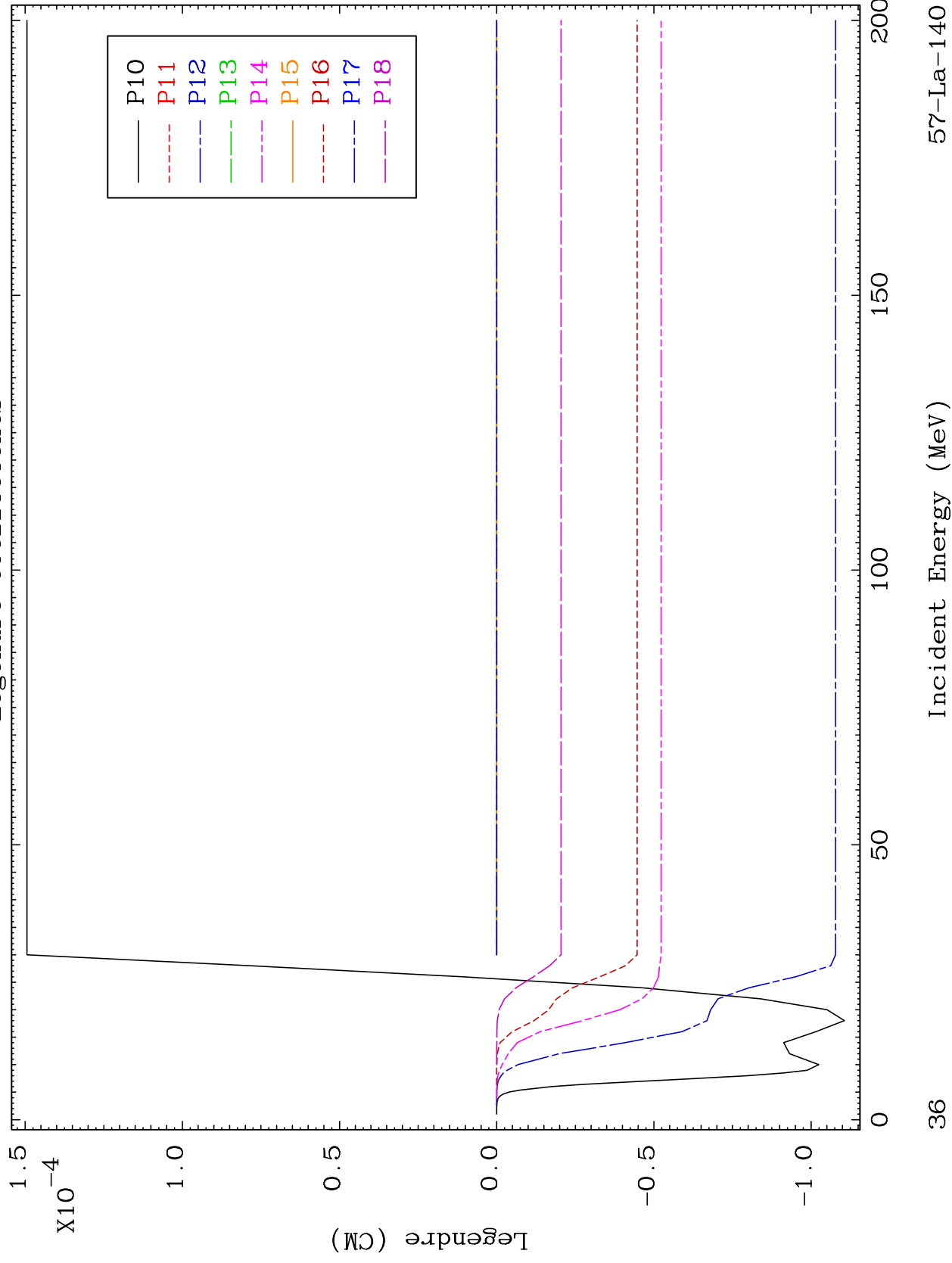




MAT 5731

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

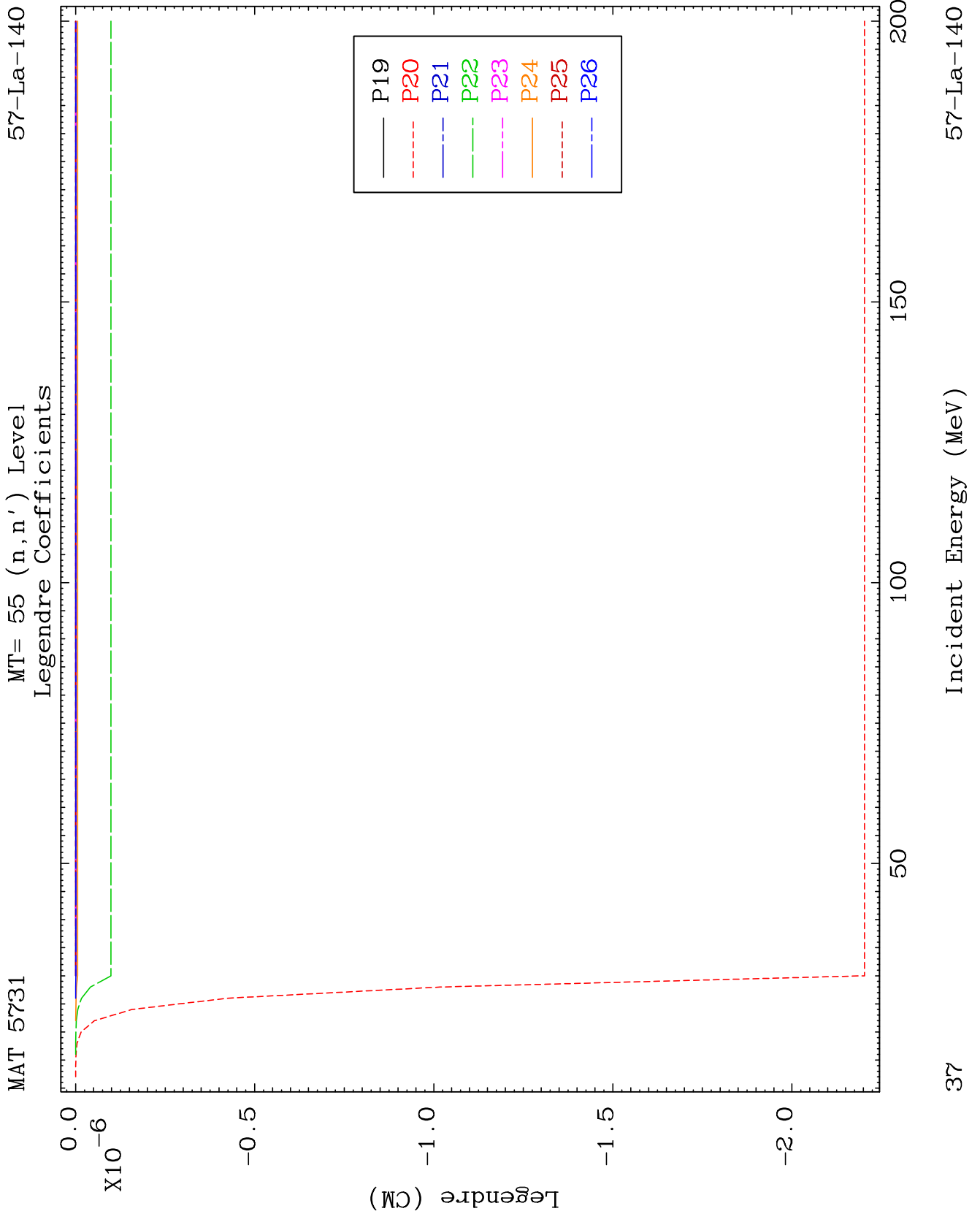
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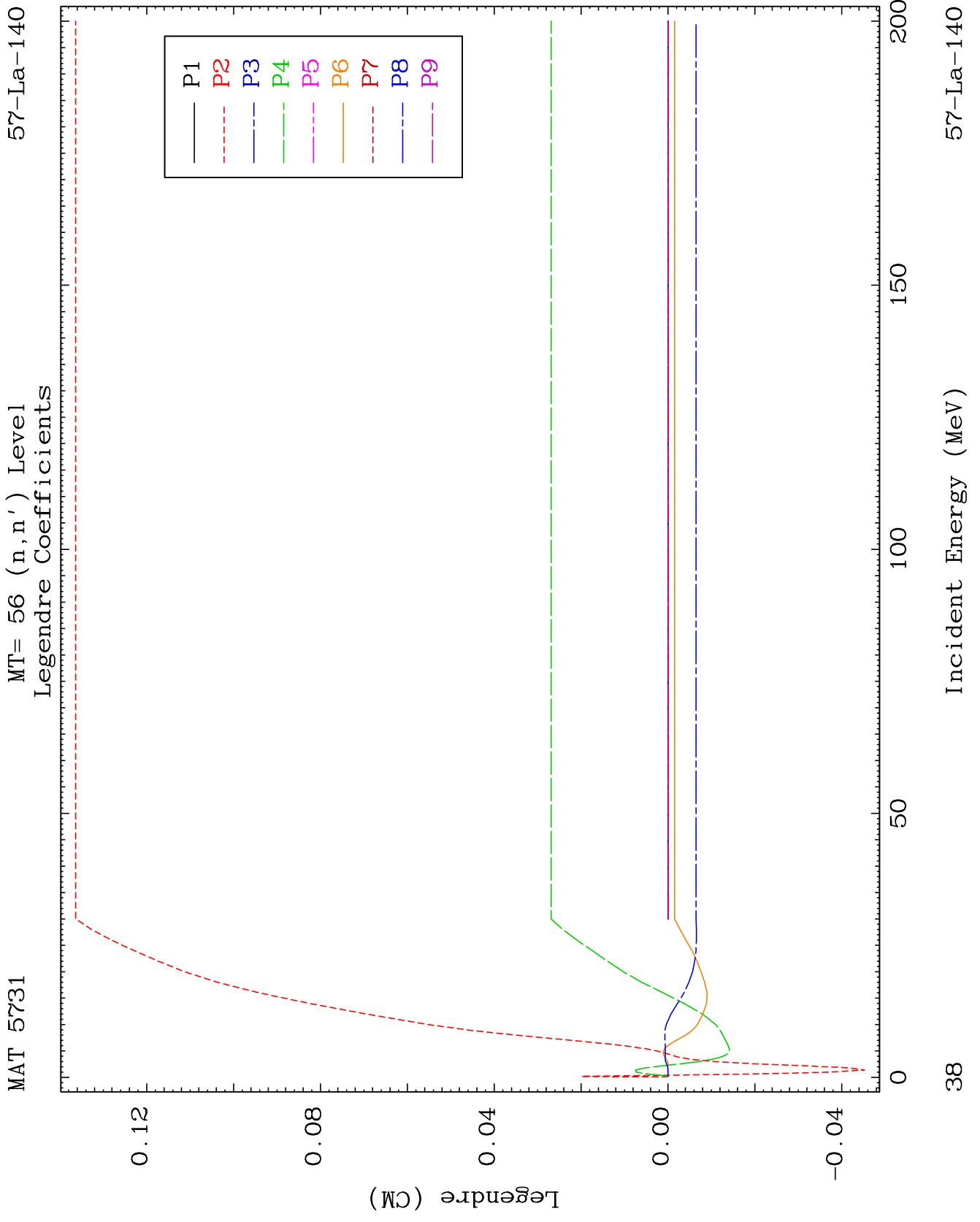


36

Incident Energy (MeV)

57-La-140

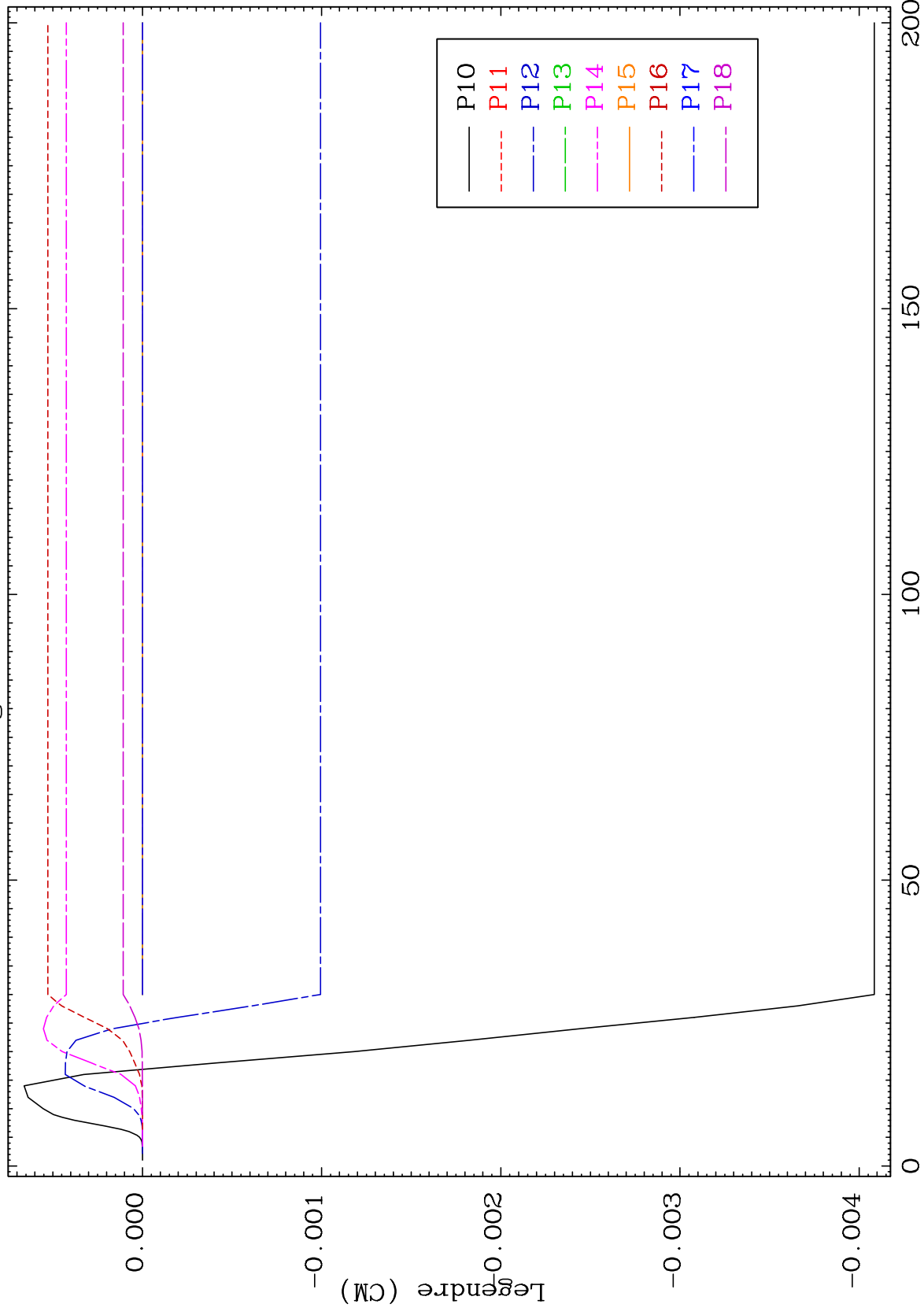




MAT 5731

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

57-La-140



39

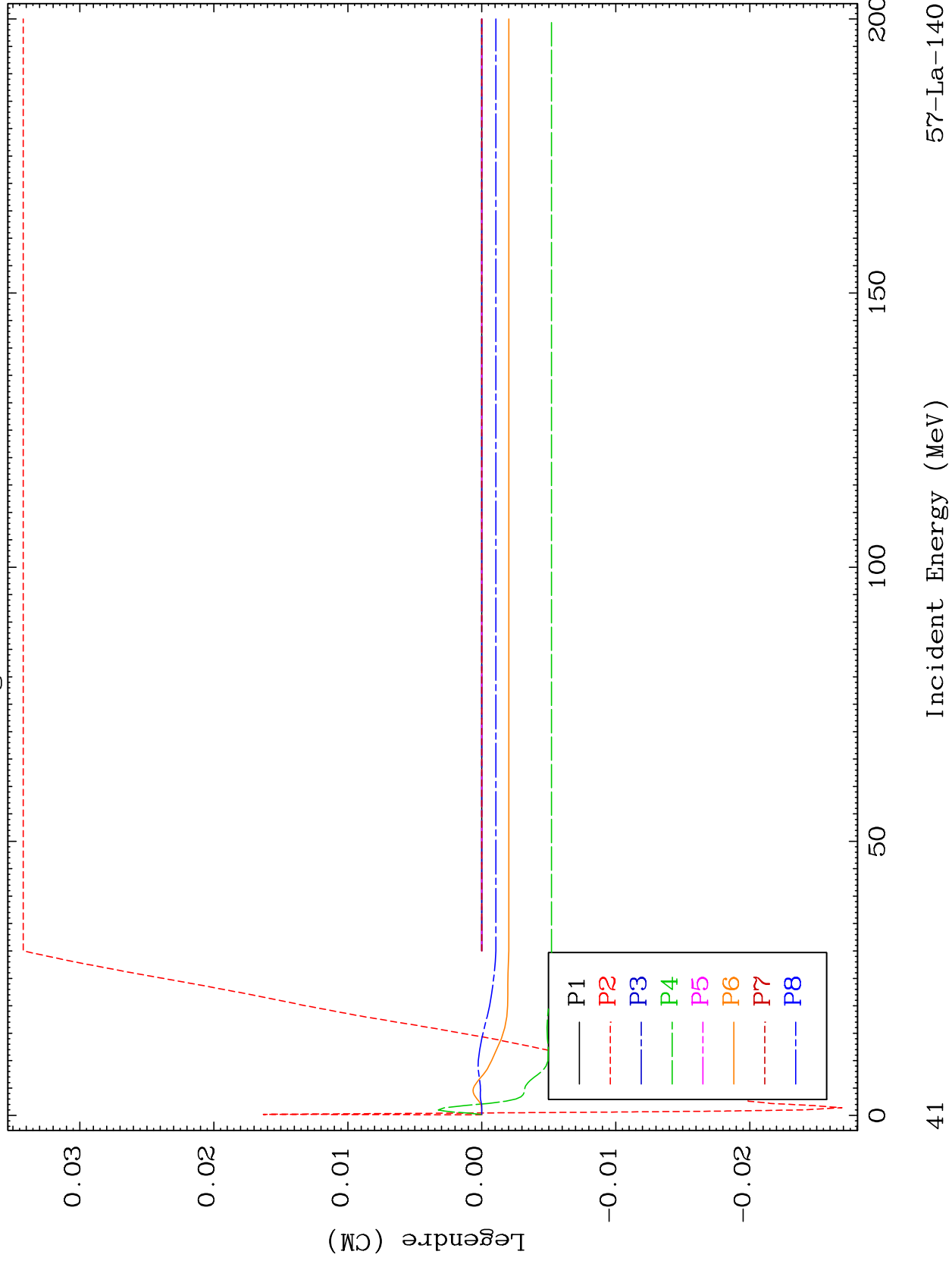
Incident Energy (MeV)

57-La-140

MAT 5731

57-La-140

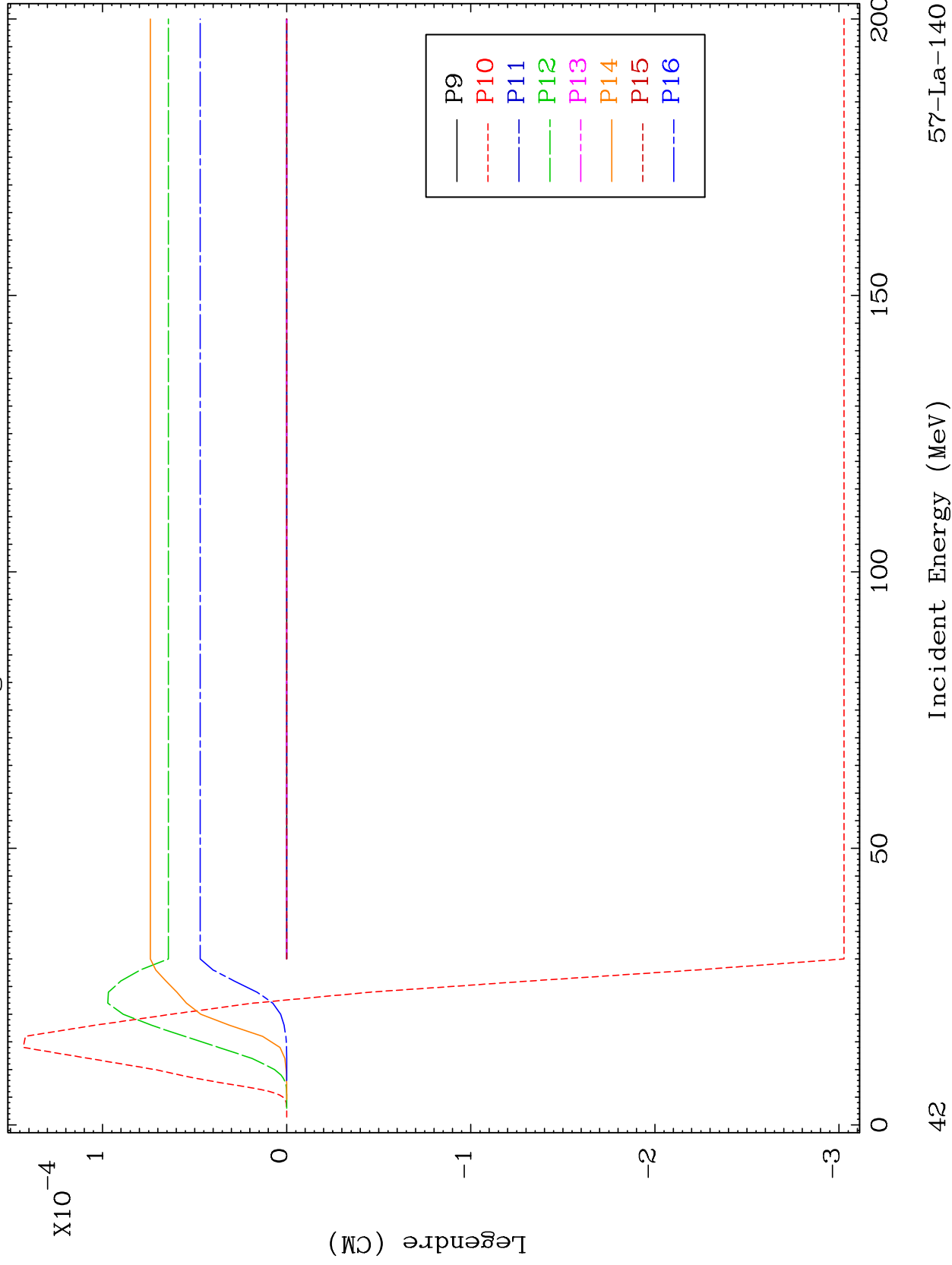
MT= 57 (n,n') Level
Legendre Coefficients



MAT 5731

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

57-La-140



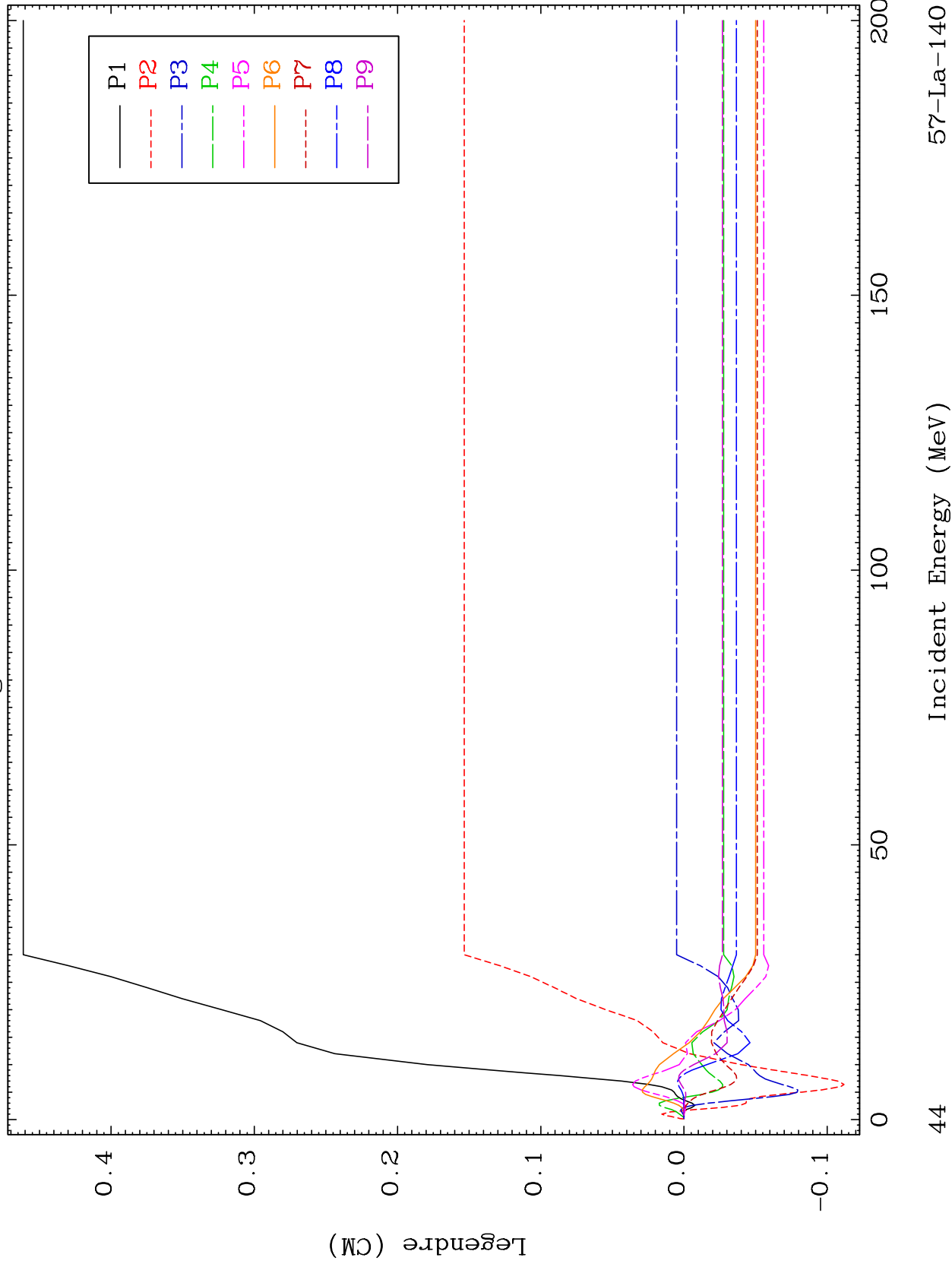
42

57-La-140

MAT 5731

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

57-La-140



44

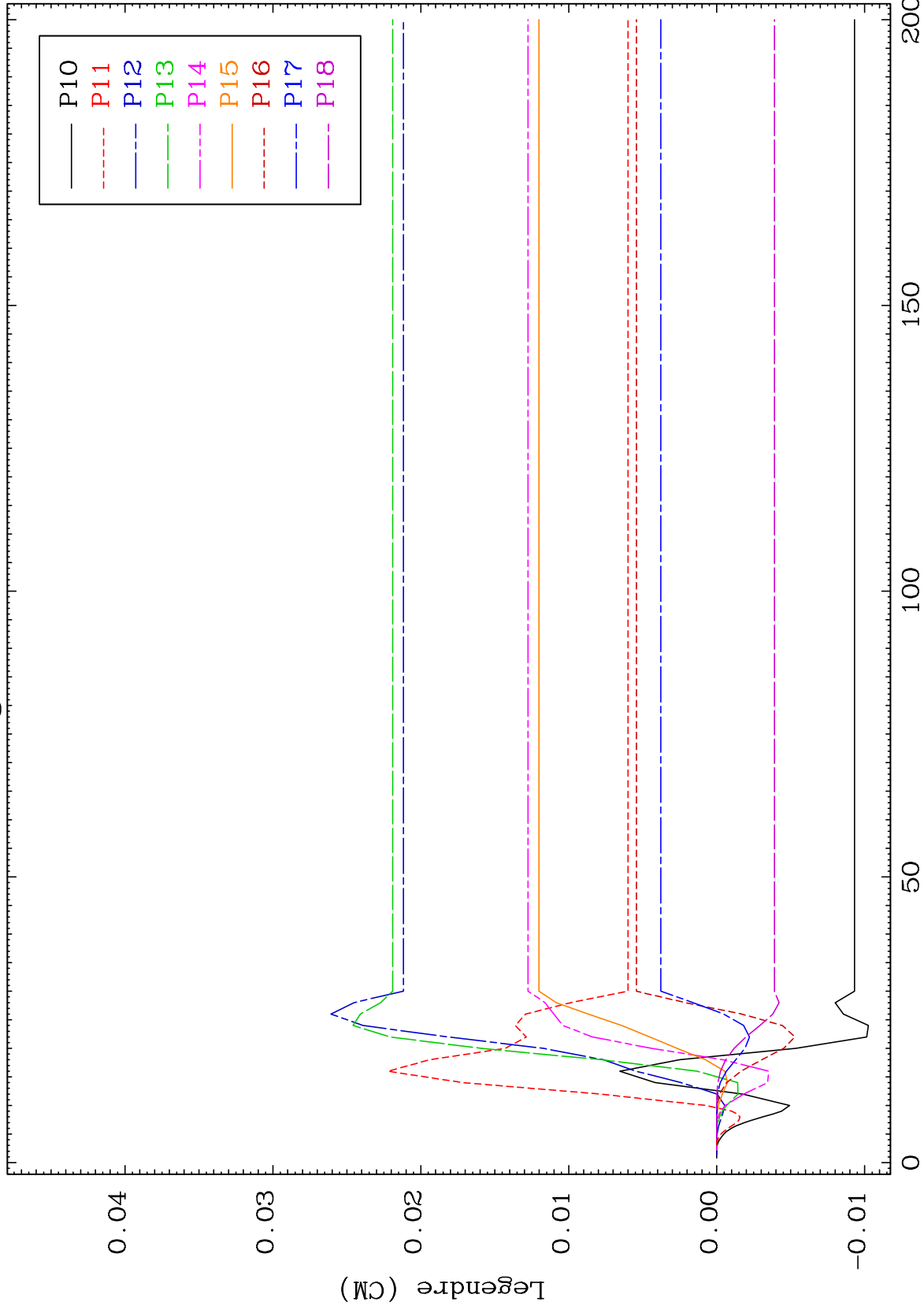
Incident Energy (MeV)

57-La-140

MAT 5731

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

57-La-140



57-La-140

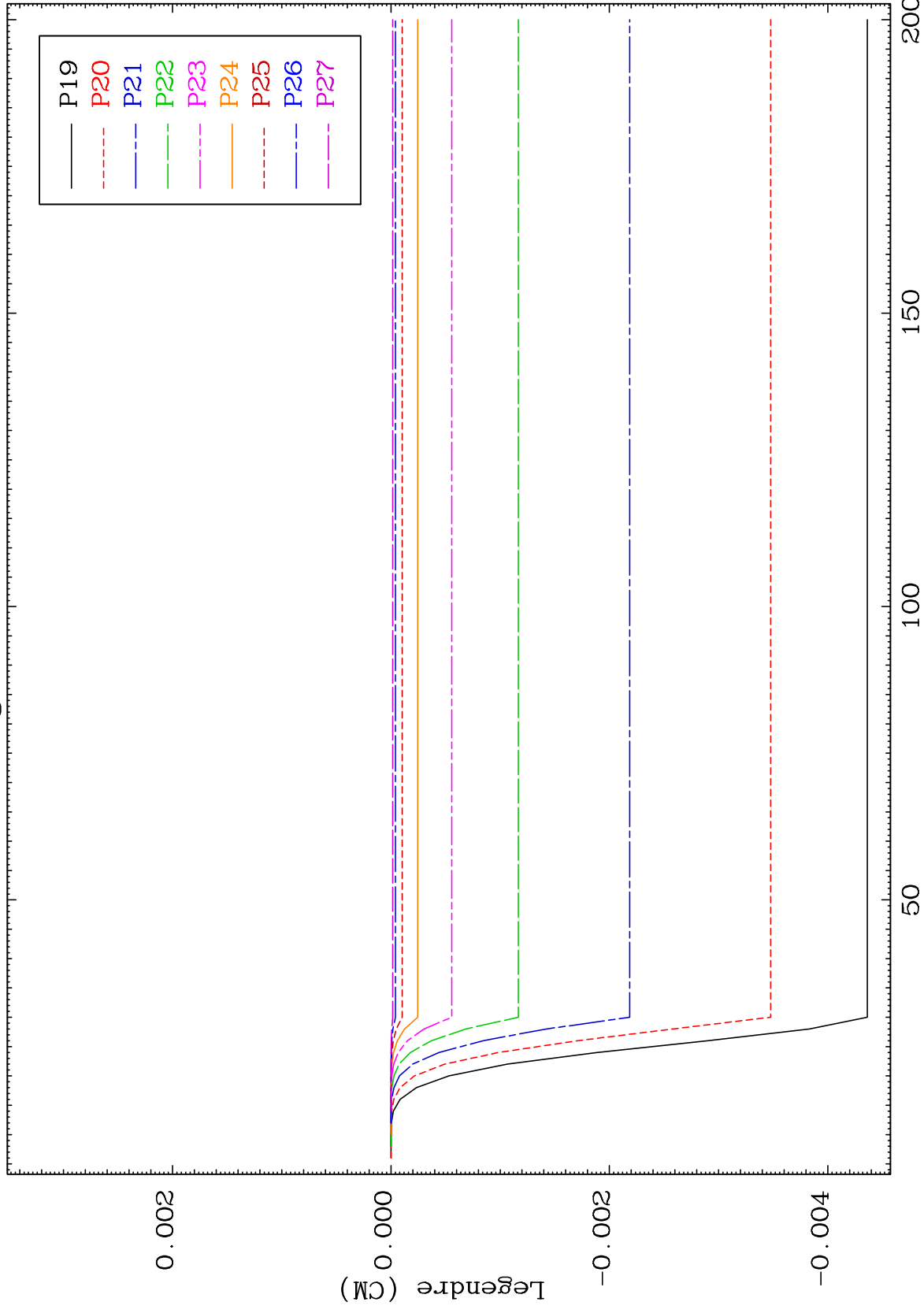
Incident Energy (MeV)

45

MAT 5731

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

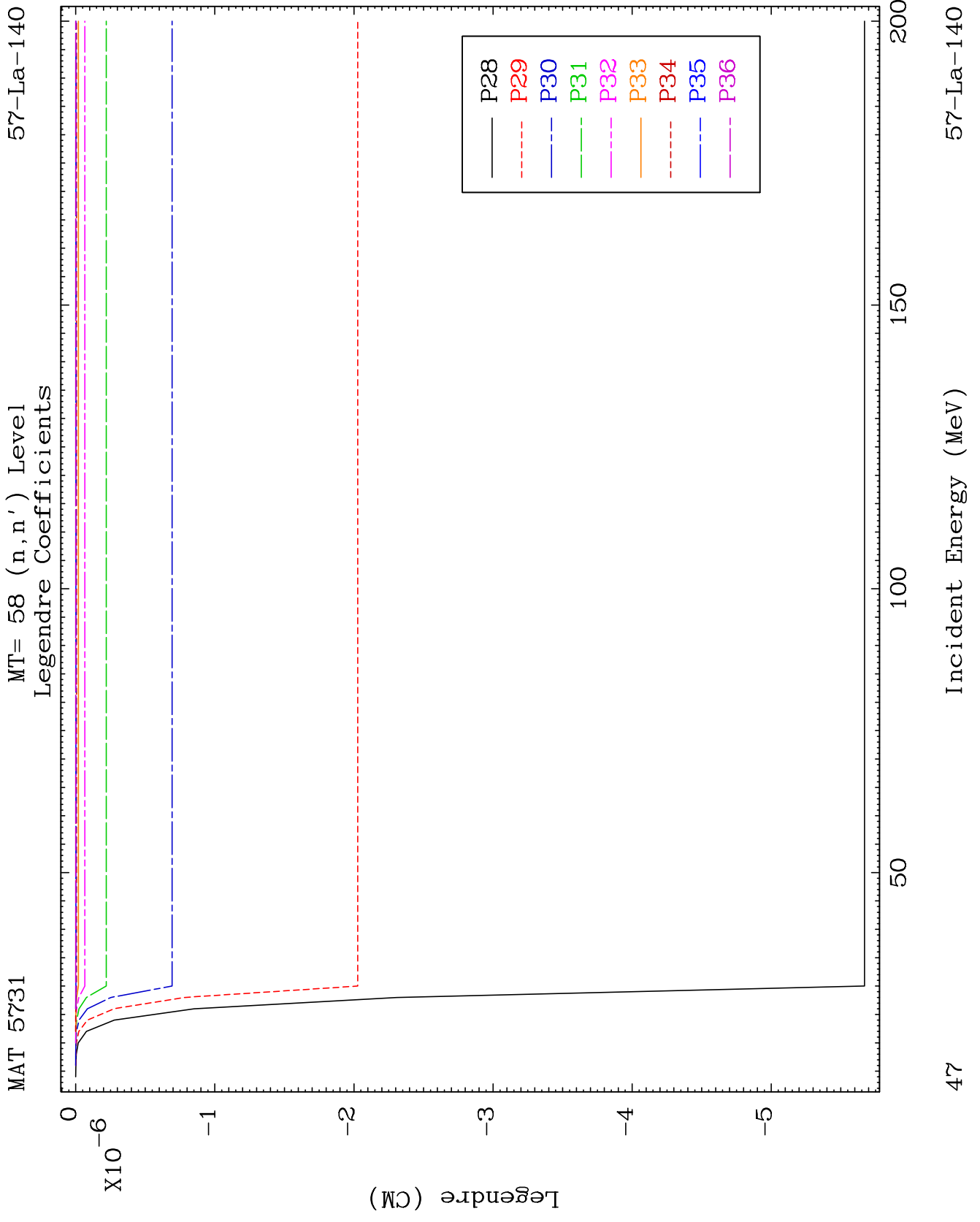
57-La-140



46

Incident Energy (MeV)

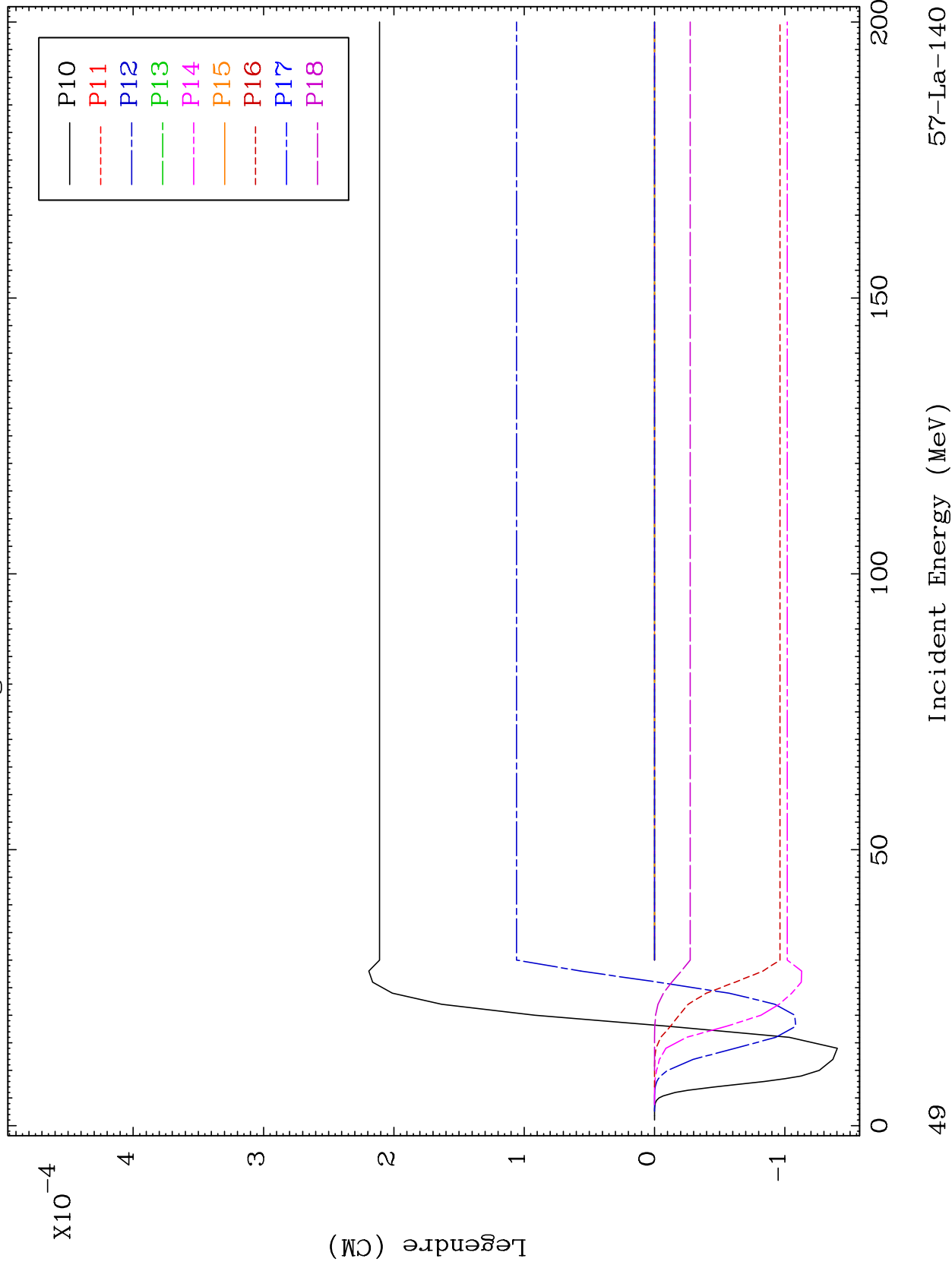
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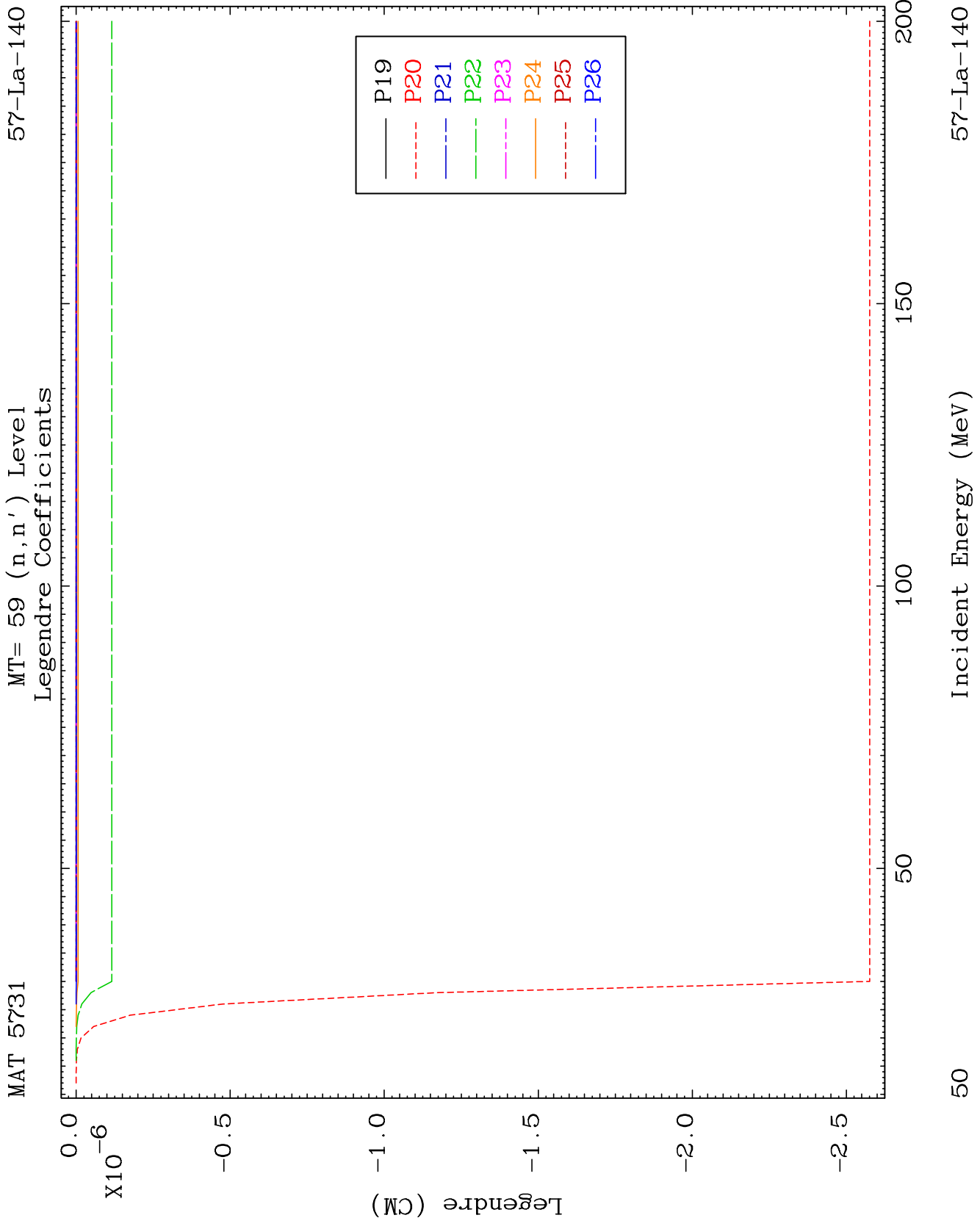


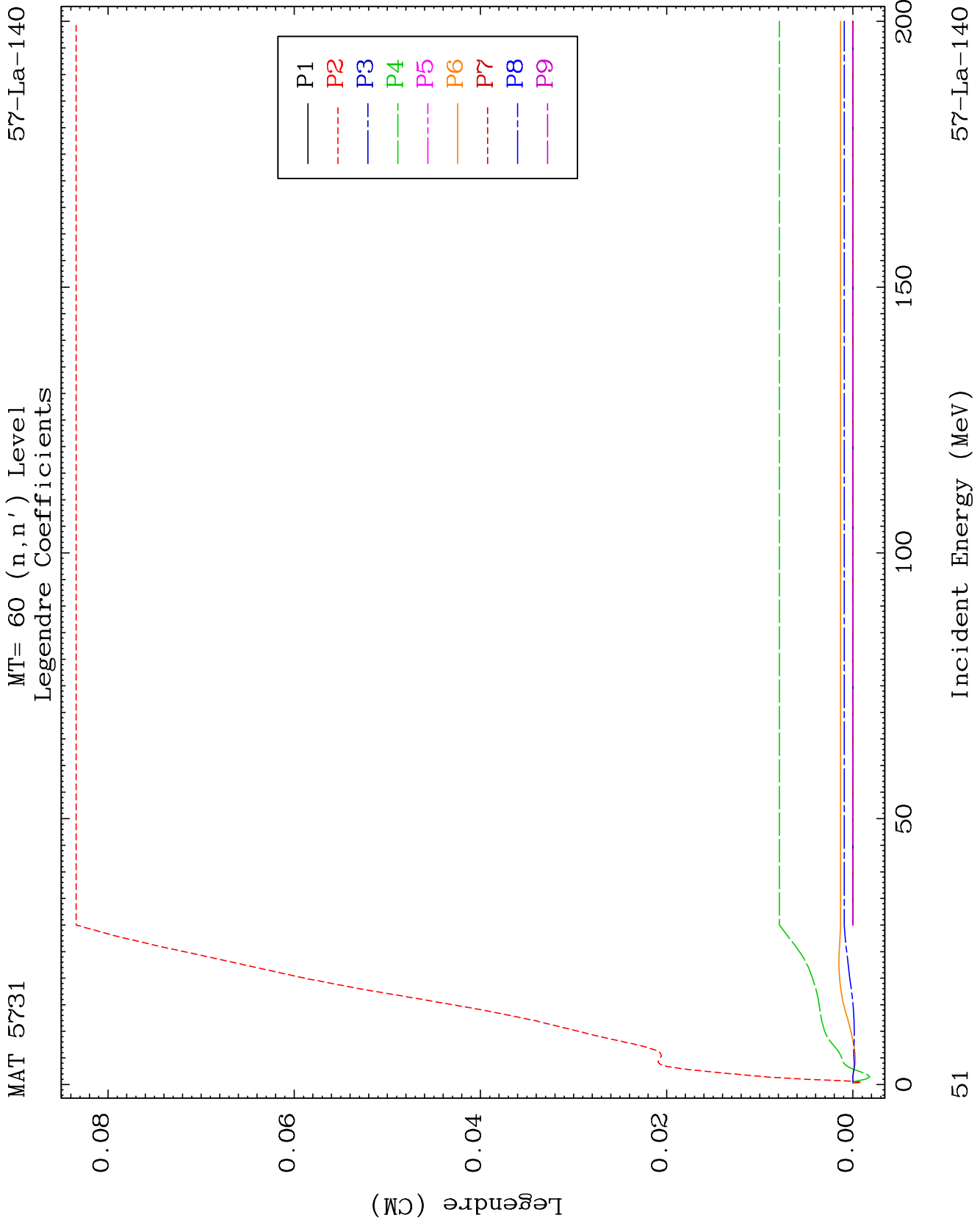
MAT 5731

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

57-La-140



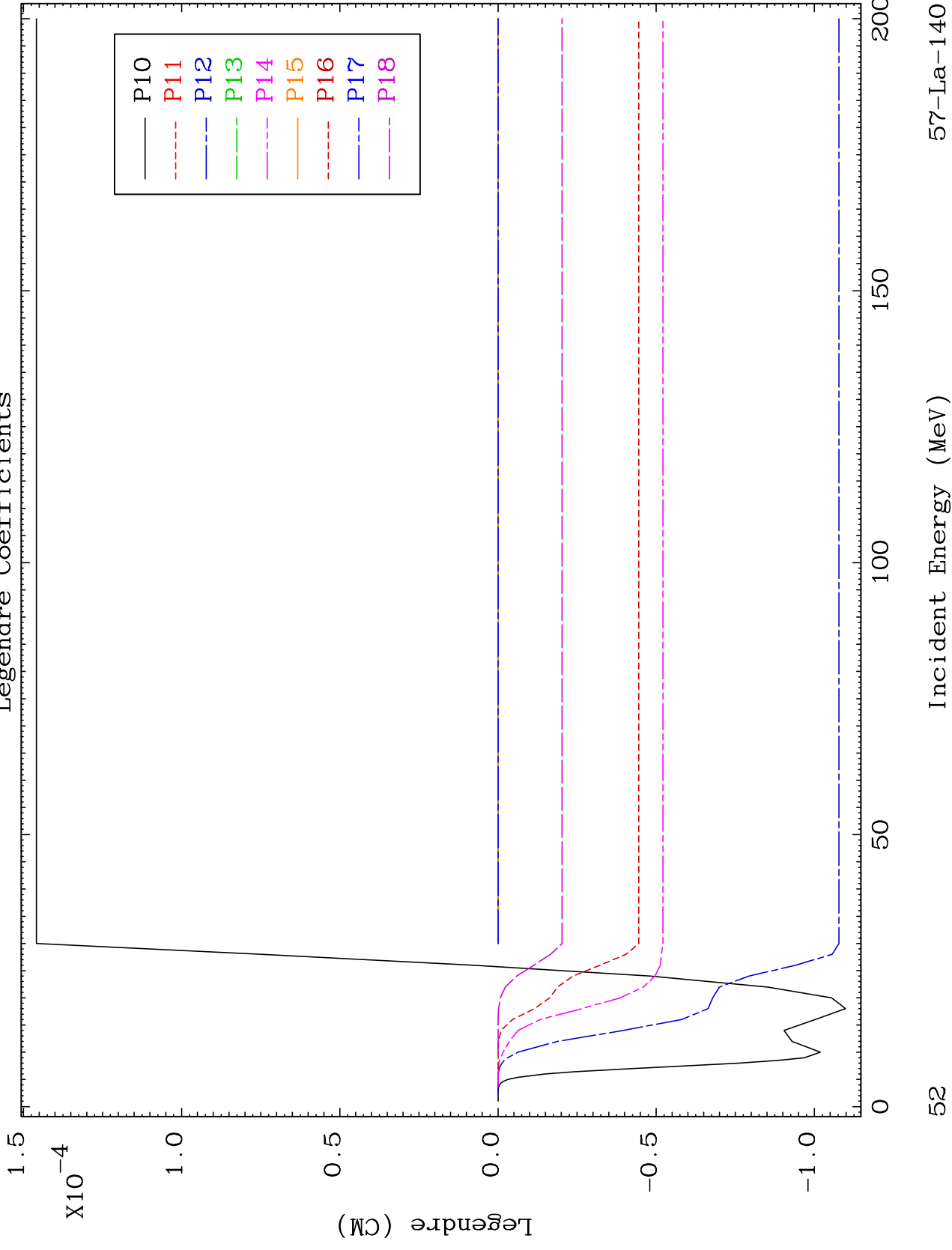




MAT 5731

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

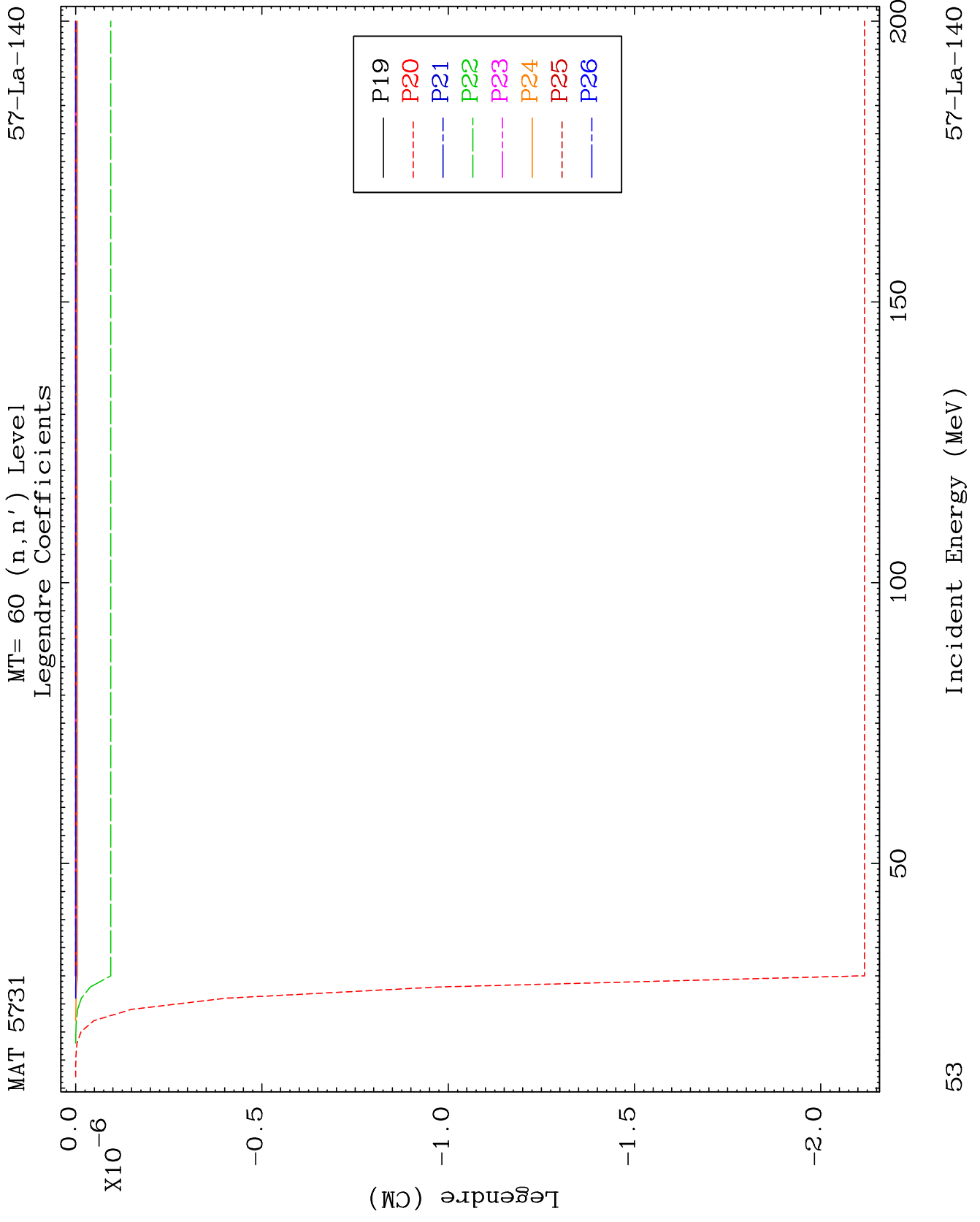
57-La-140



57-La-140

Incident Energy (MeV)

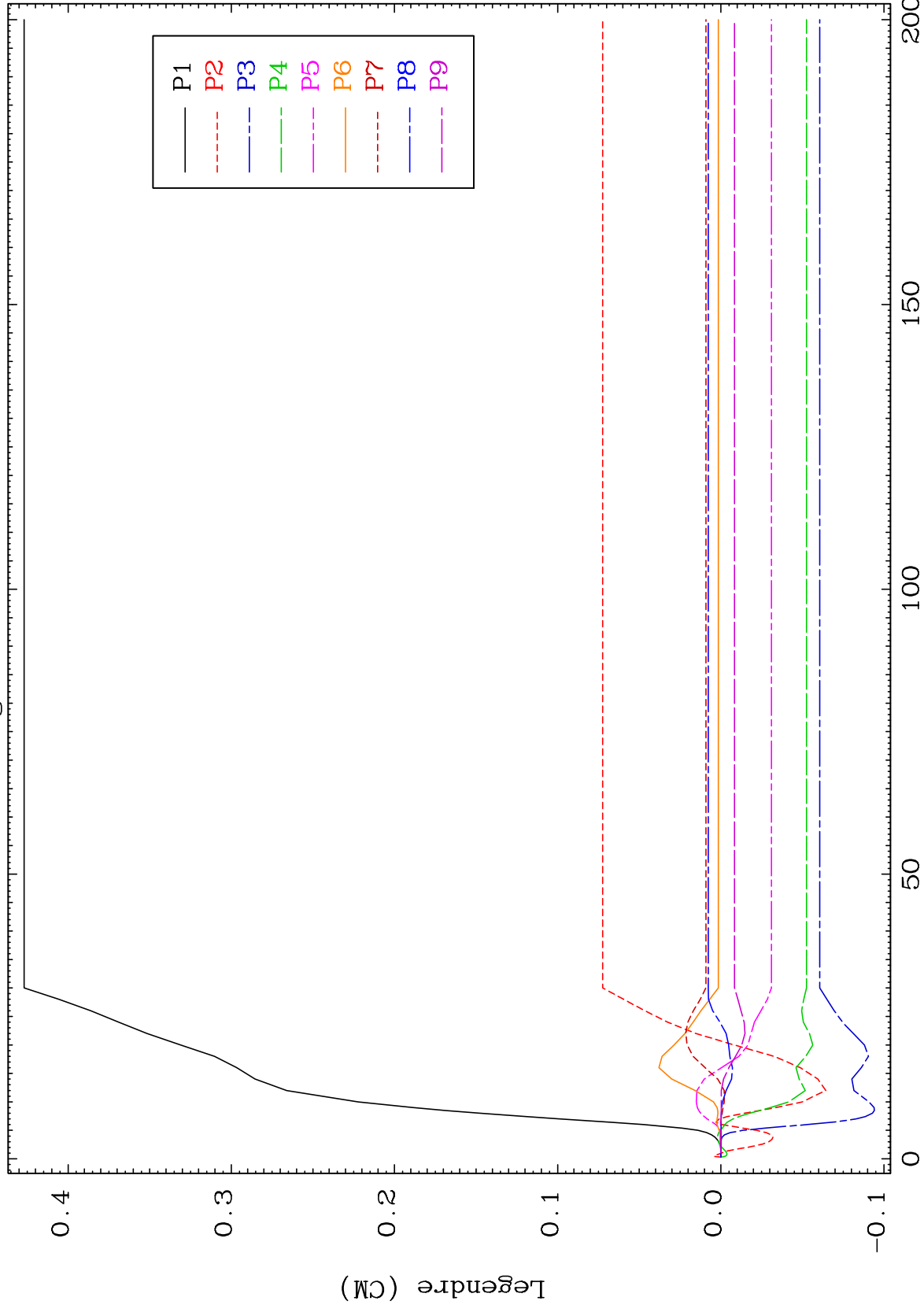
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MAT 5731

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

57-La-140



54

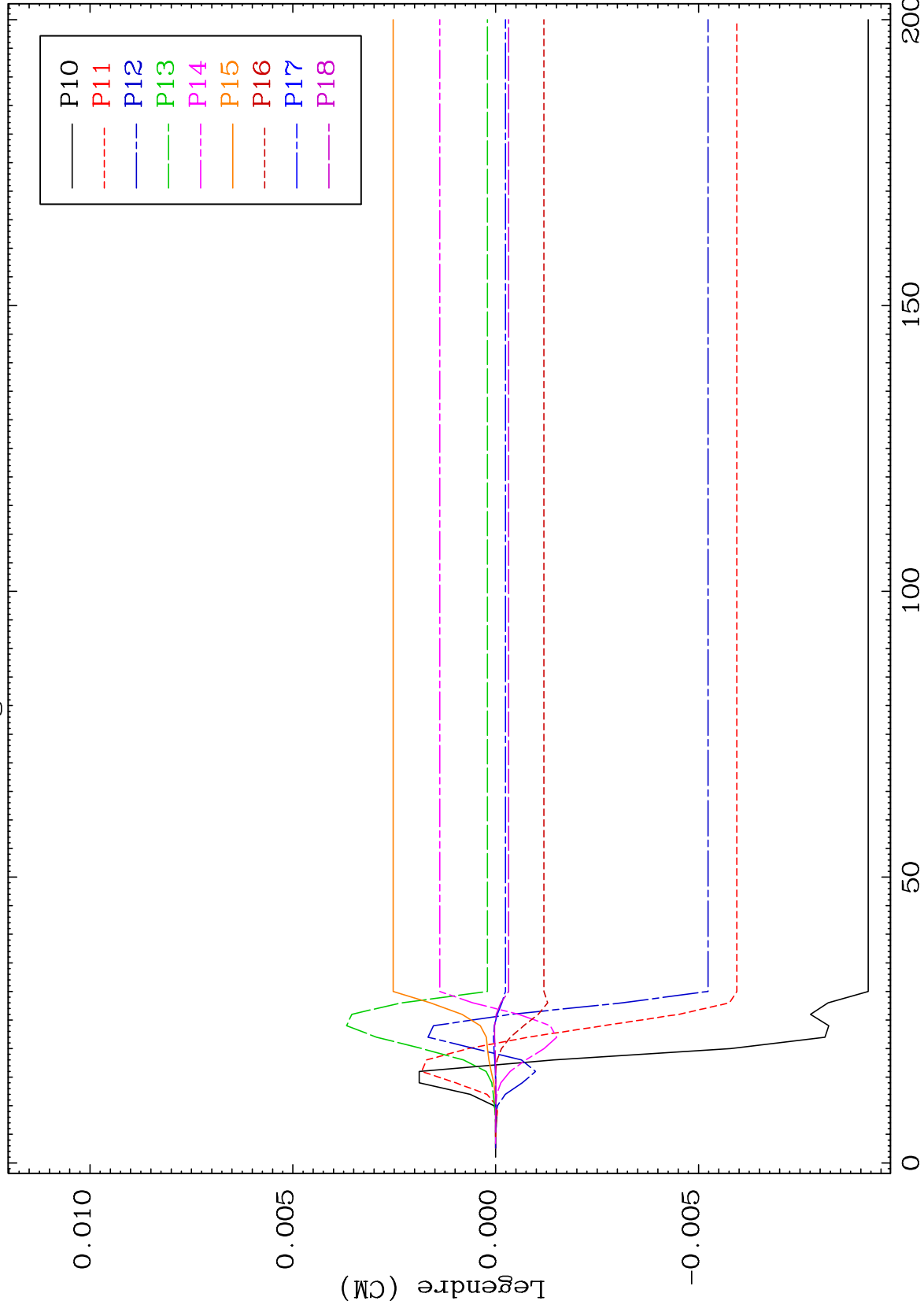
Incident Energy (MeV)

57-La-140

MAT 5731

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

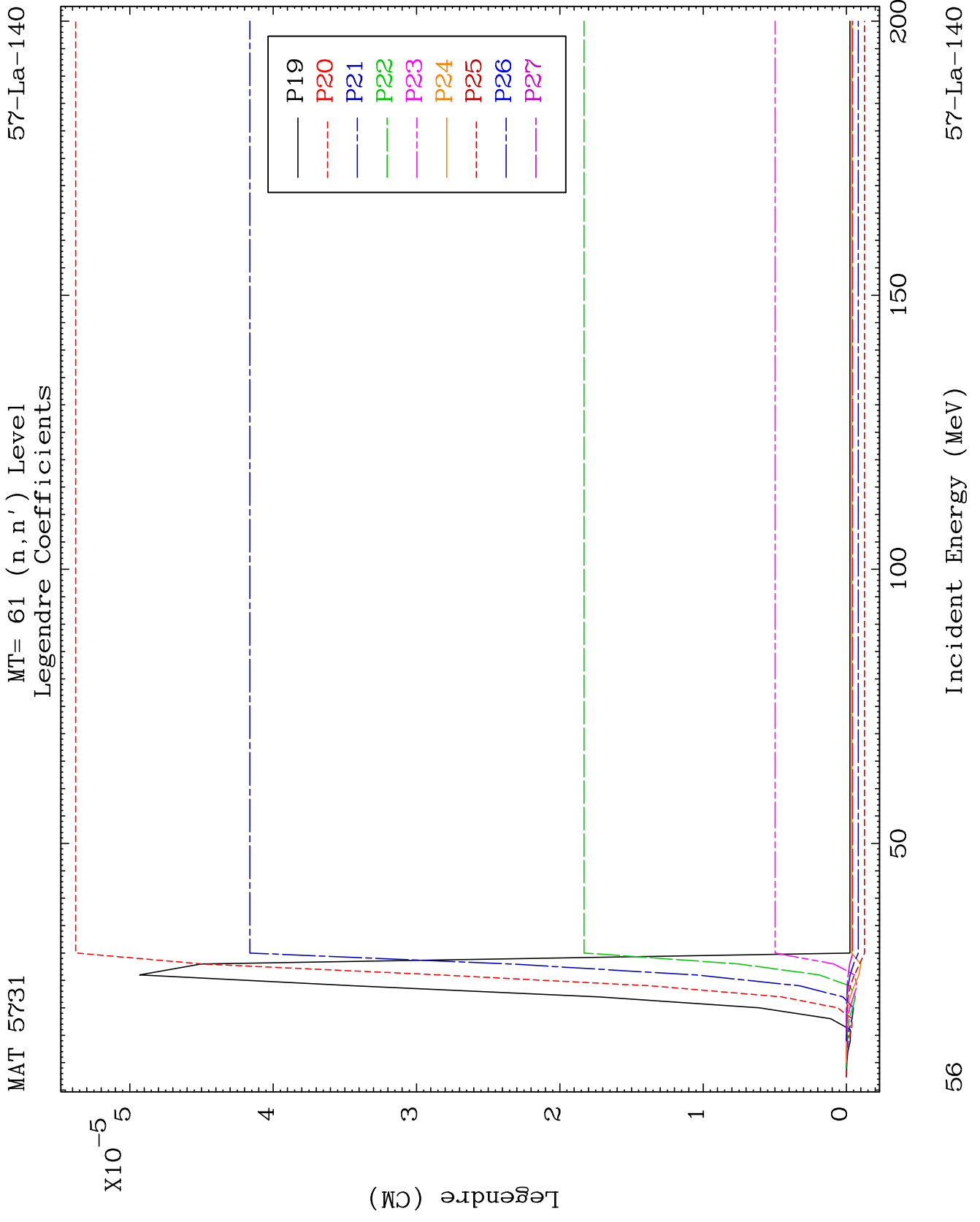
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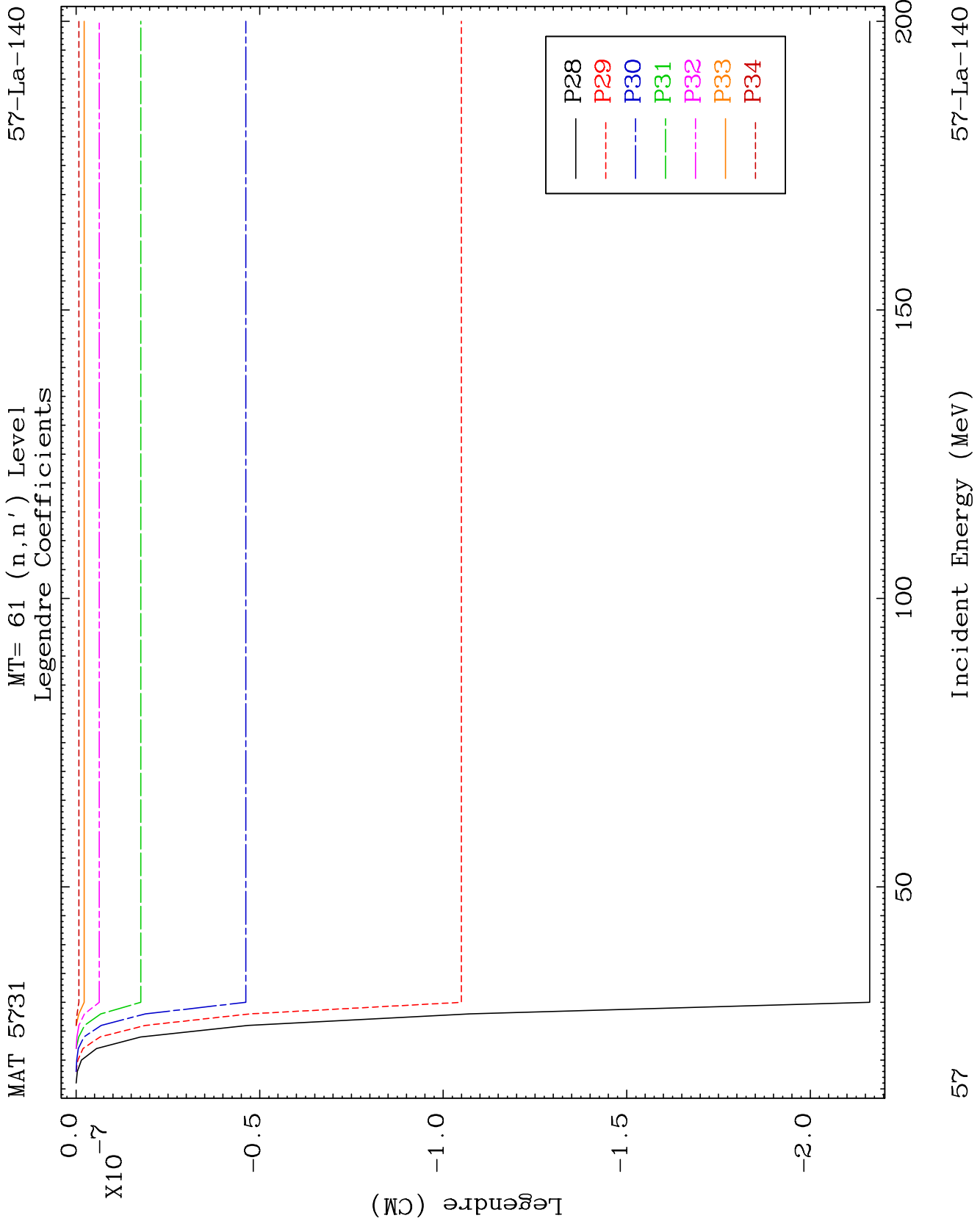


55

Incident Energy (MeV)

57-La-140

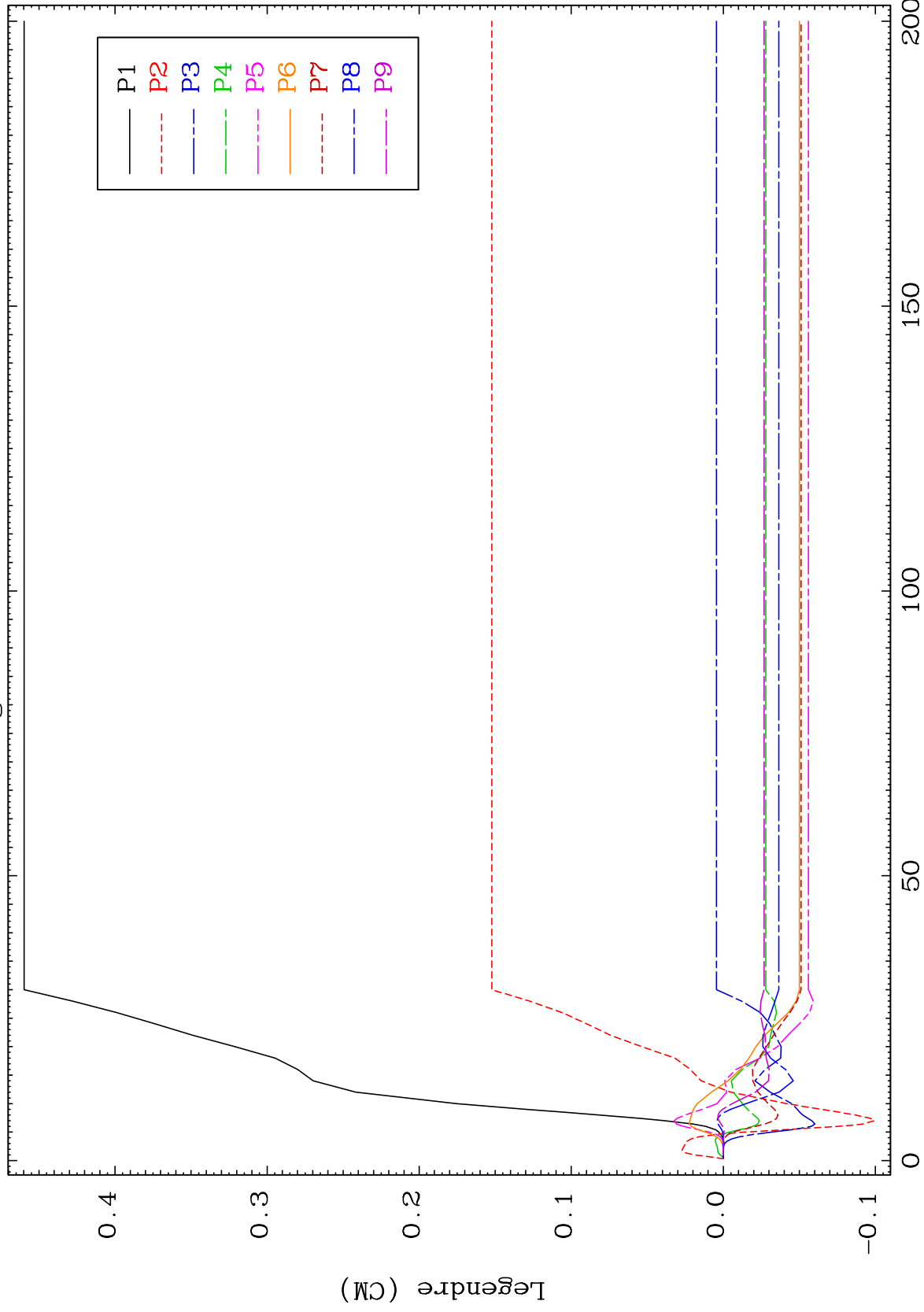




MAT 5731

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

57-La-140



58

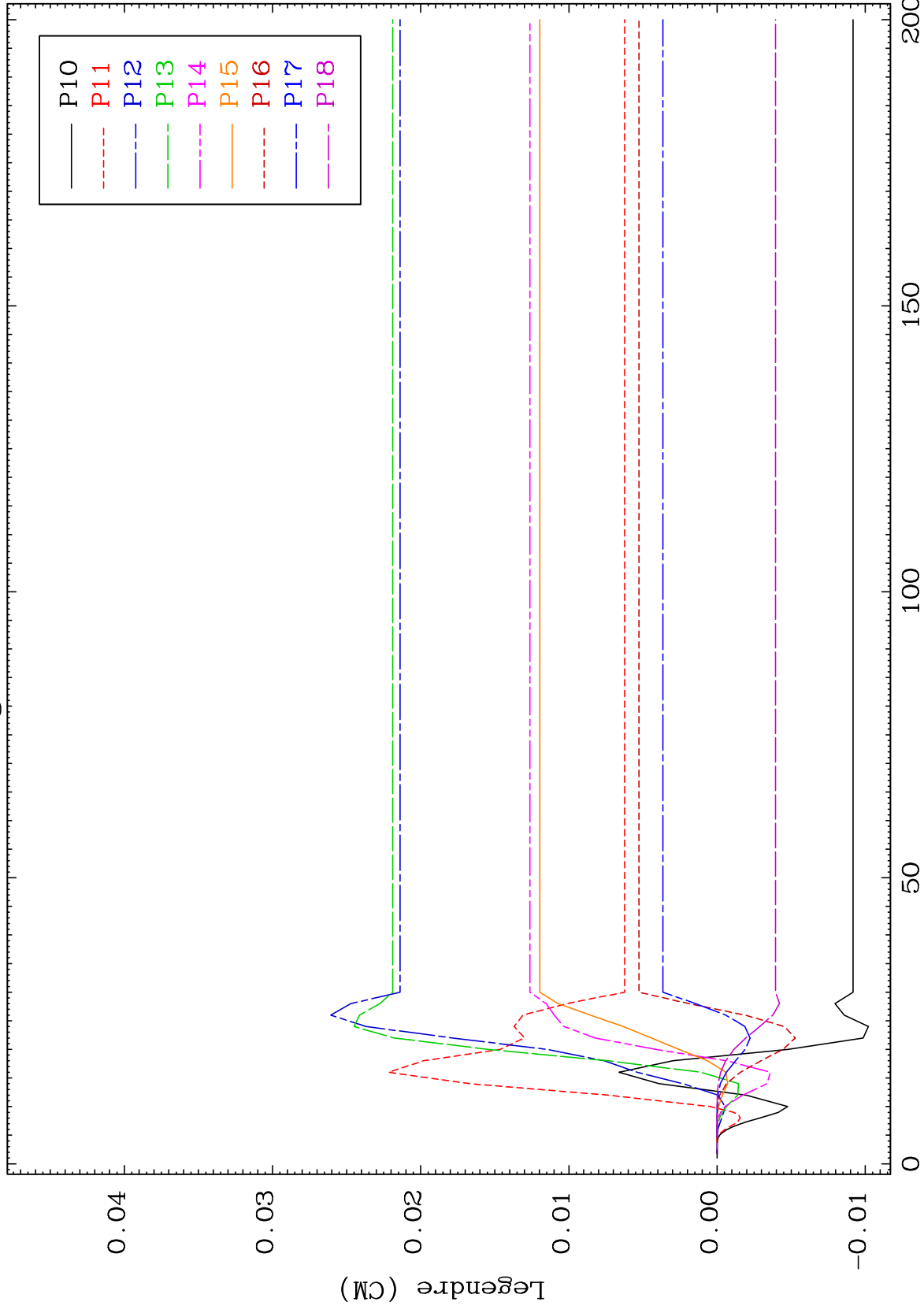
57-La-140

57-La-140

MAT 5731

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

57-La-140



59

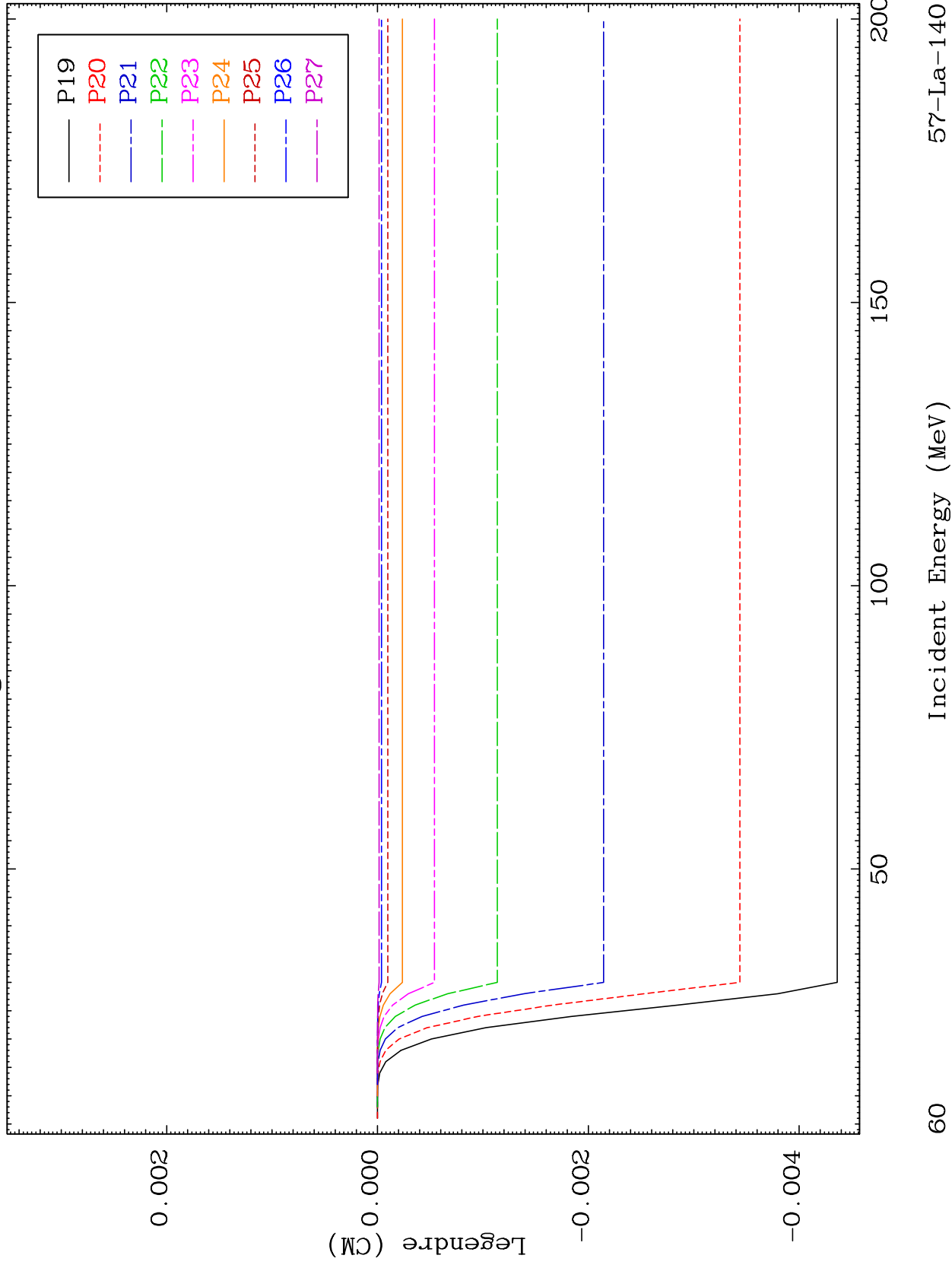
Incident Energy (MeV)

57-La-140

MAT 5731

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

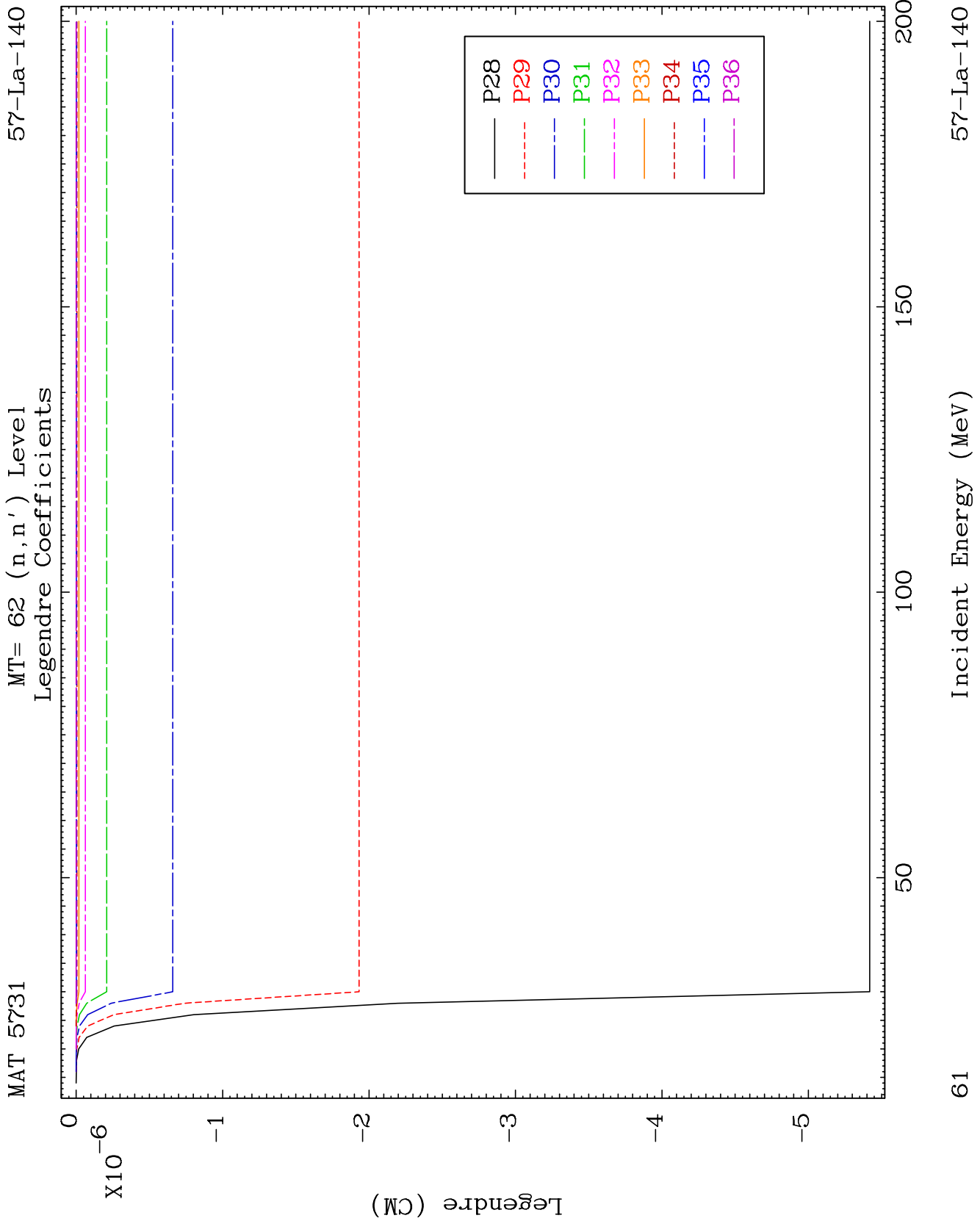
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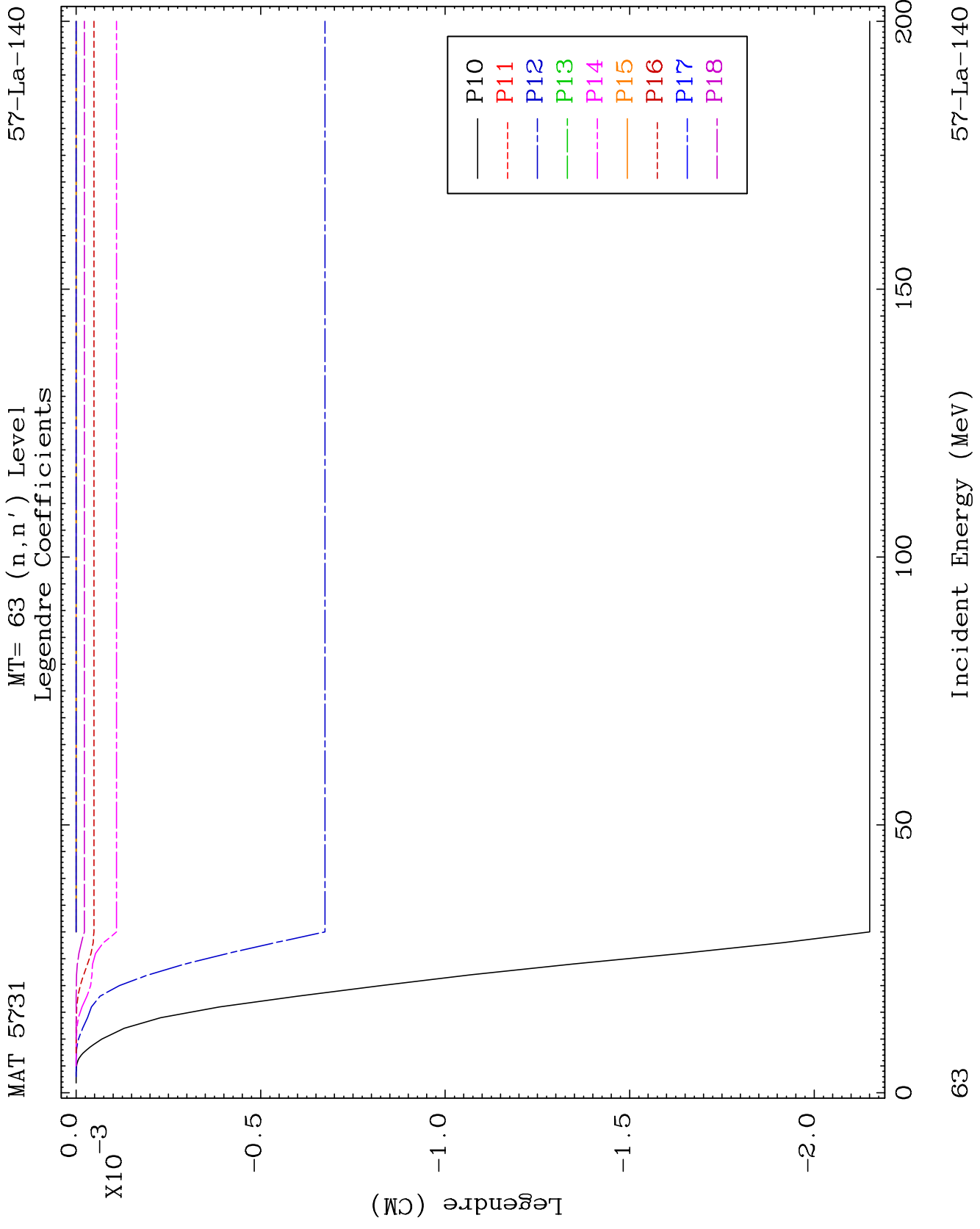


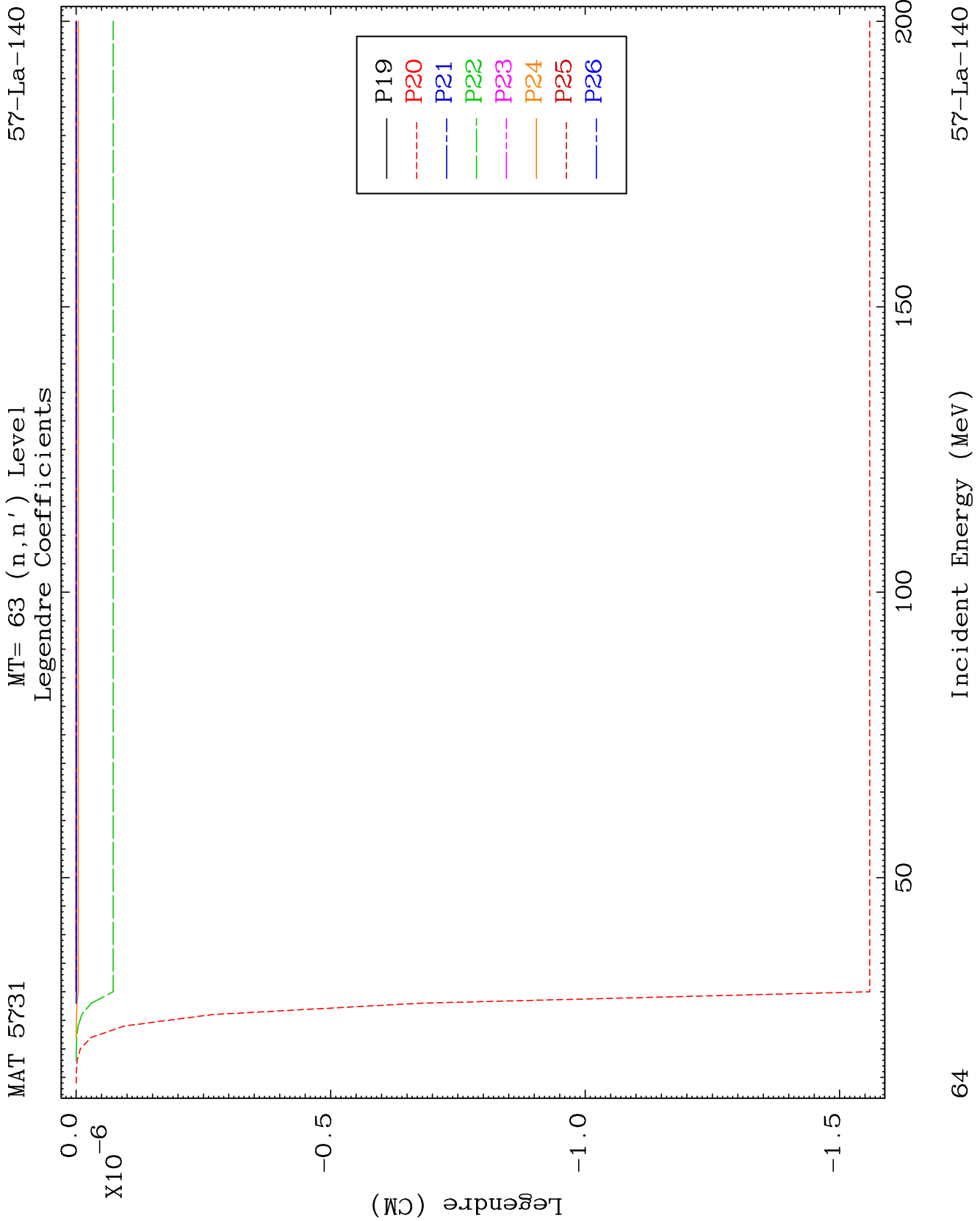
57-La-140

Incident Energy (MeV)

60



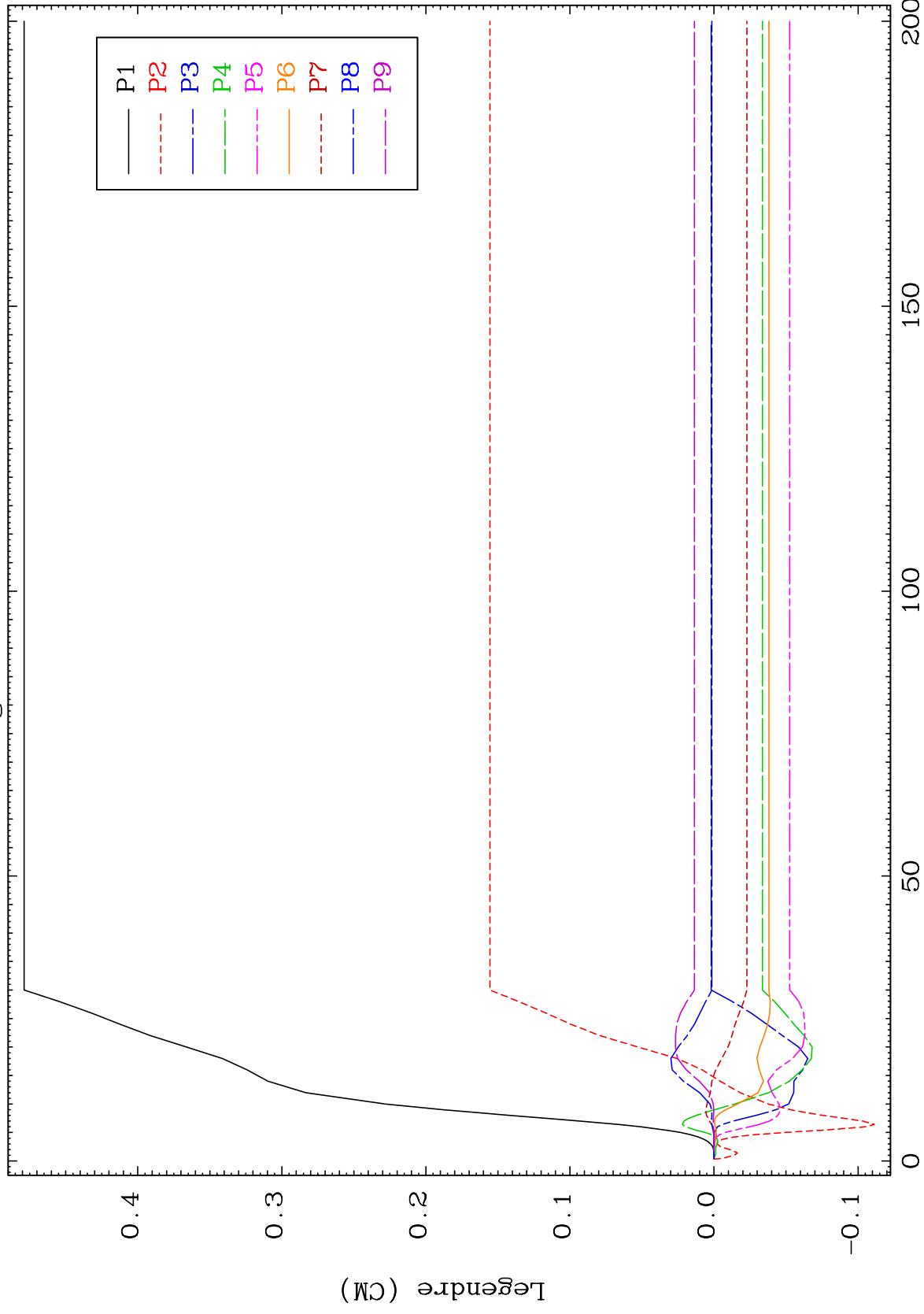




MAT 5731

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

57-La-140



57-La-140

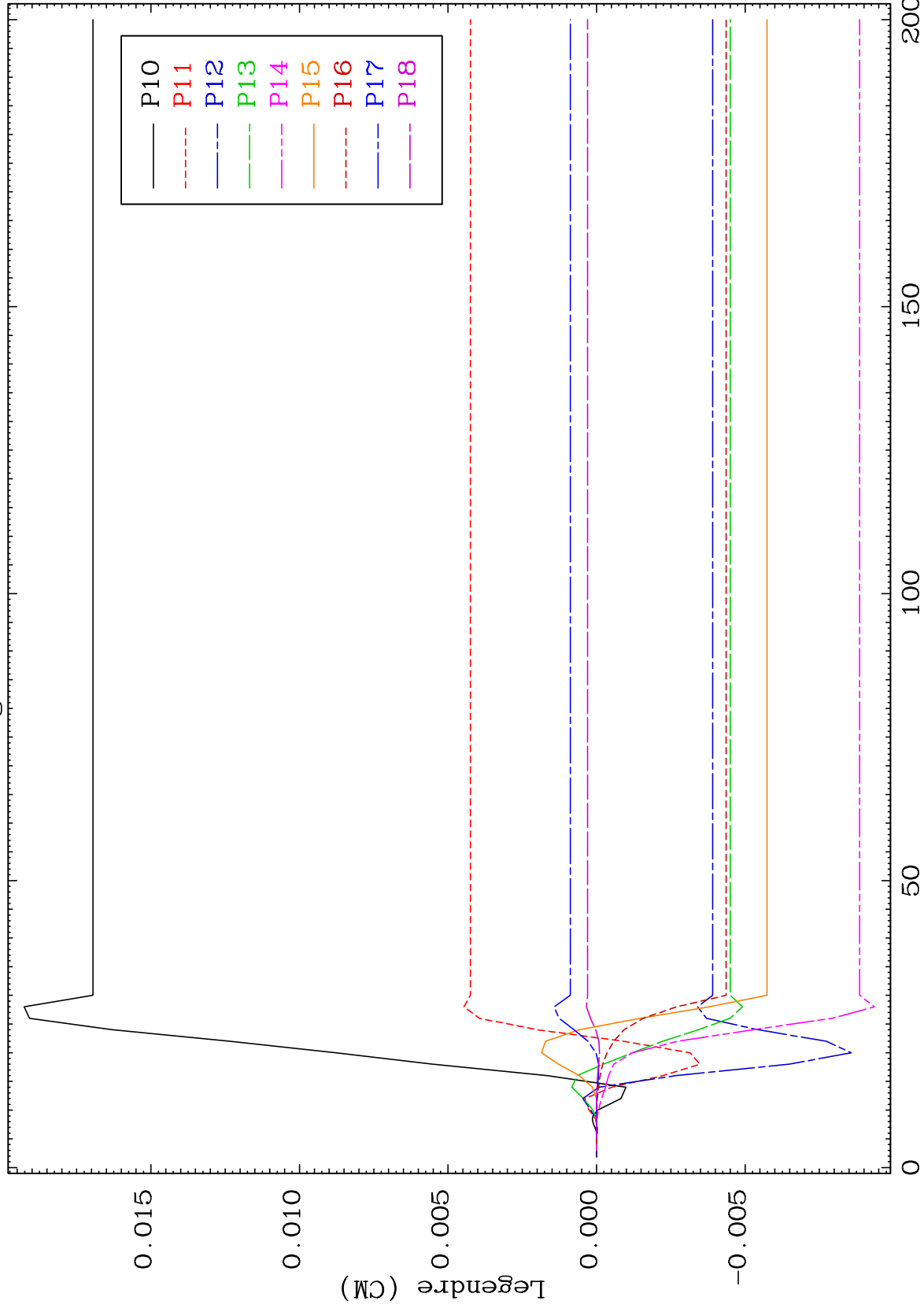
Incident Energy (MeV)

65

MAT 5731

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

57-La-140



66

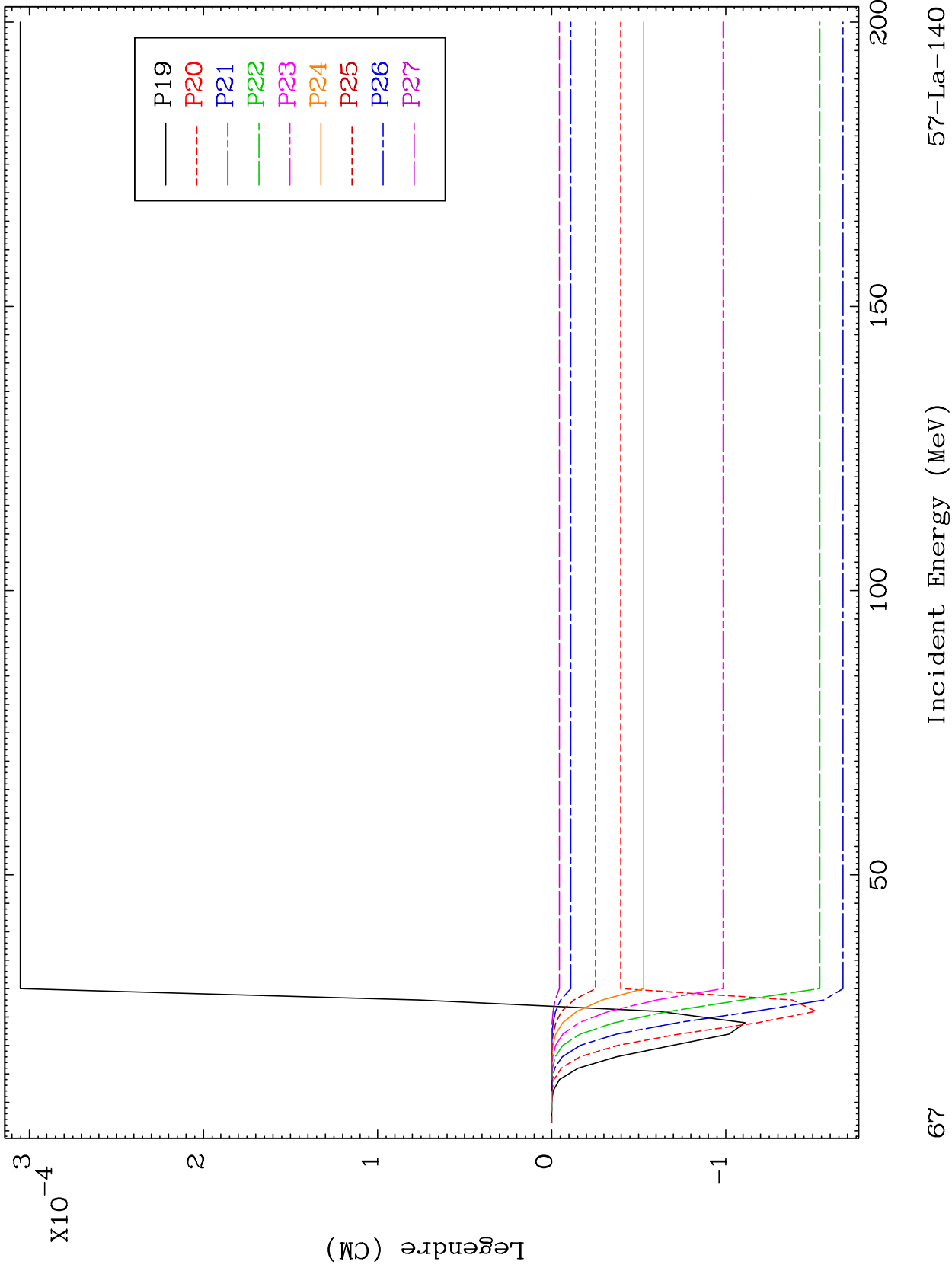
Incident Energy (MeV)

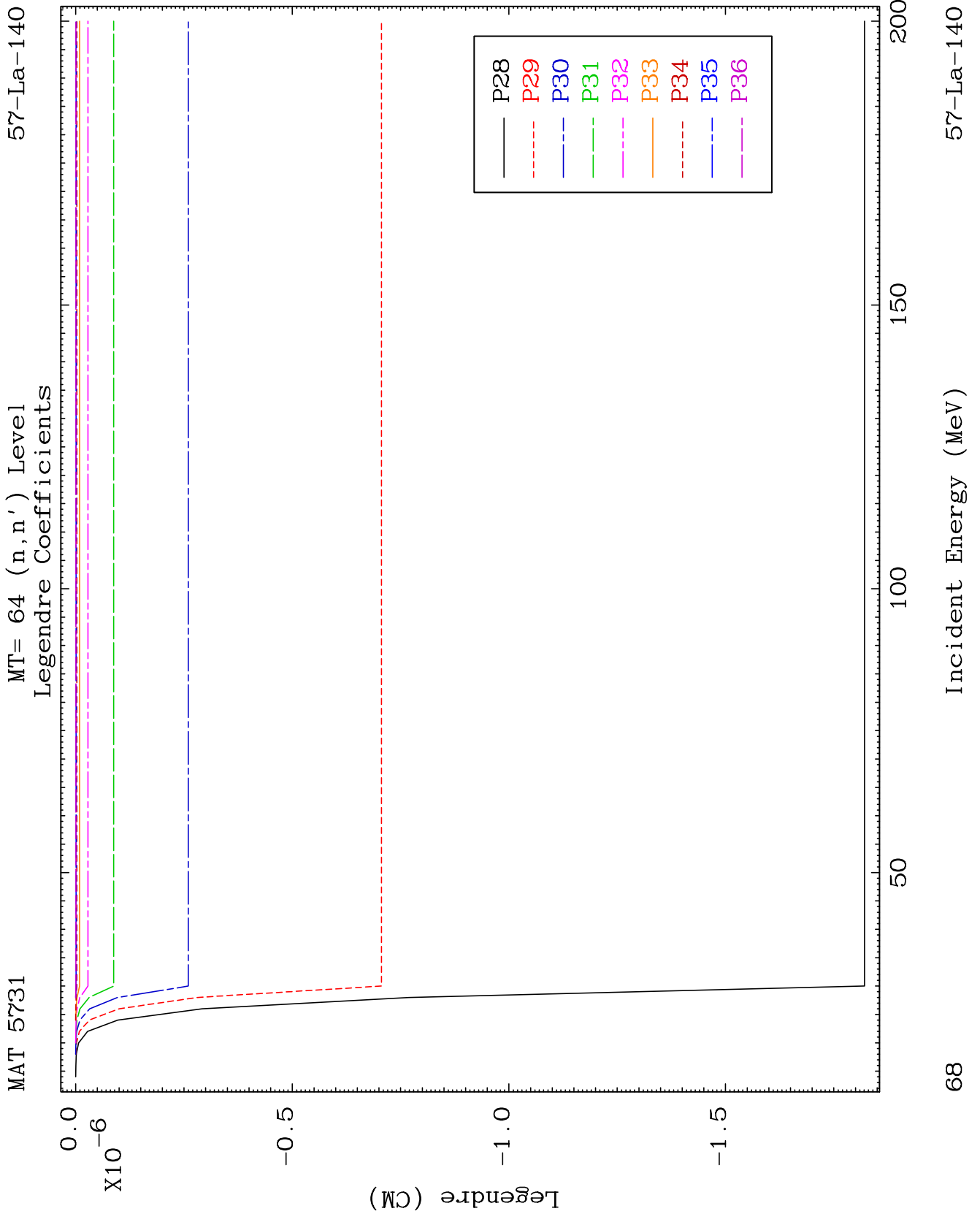
57-La-140

MAT 5731

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

57-La-140

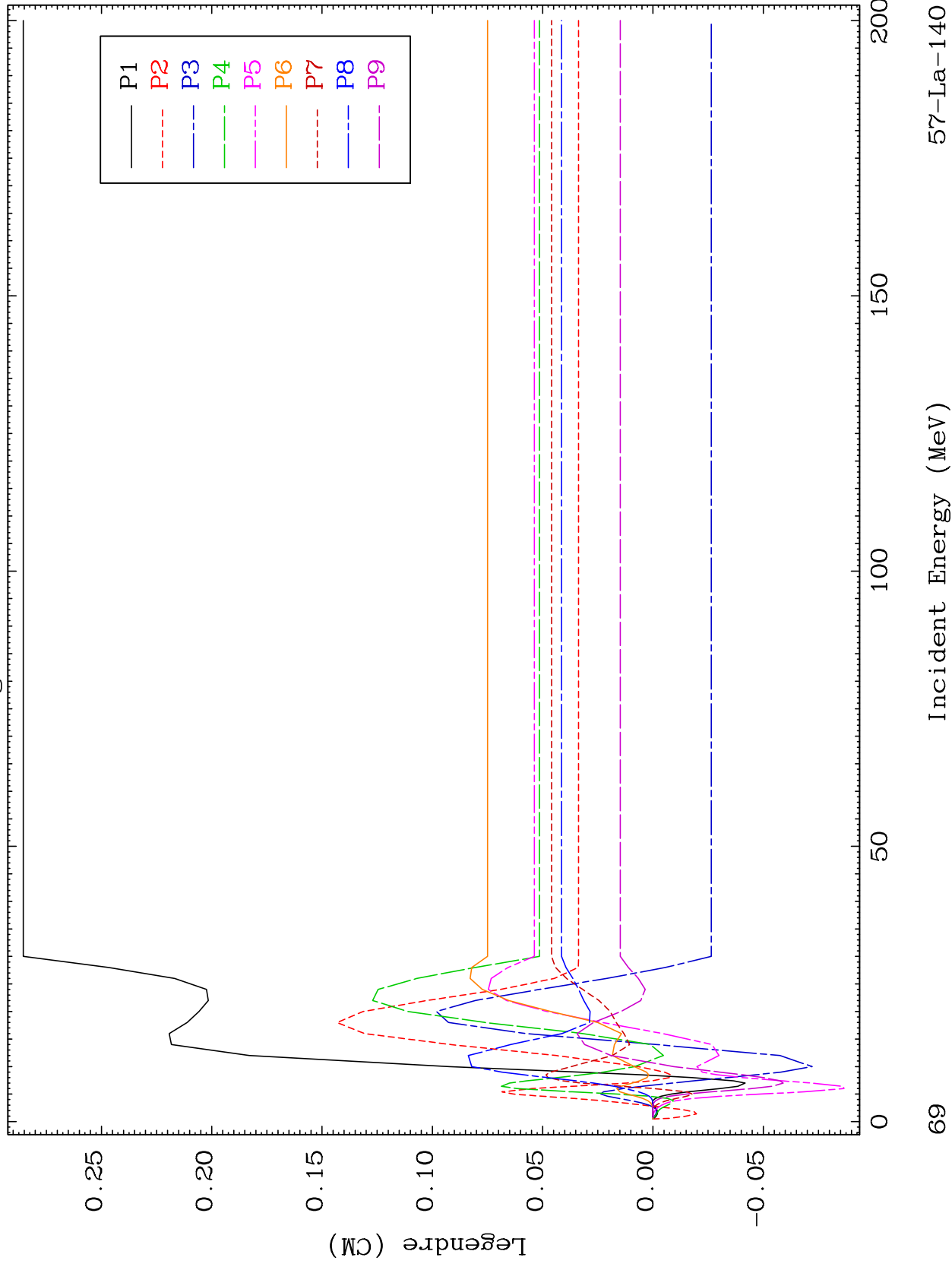




MAT 5731

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

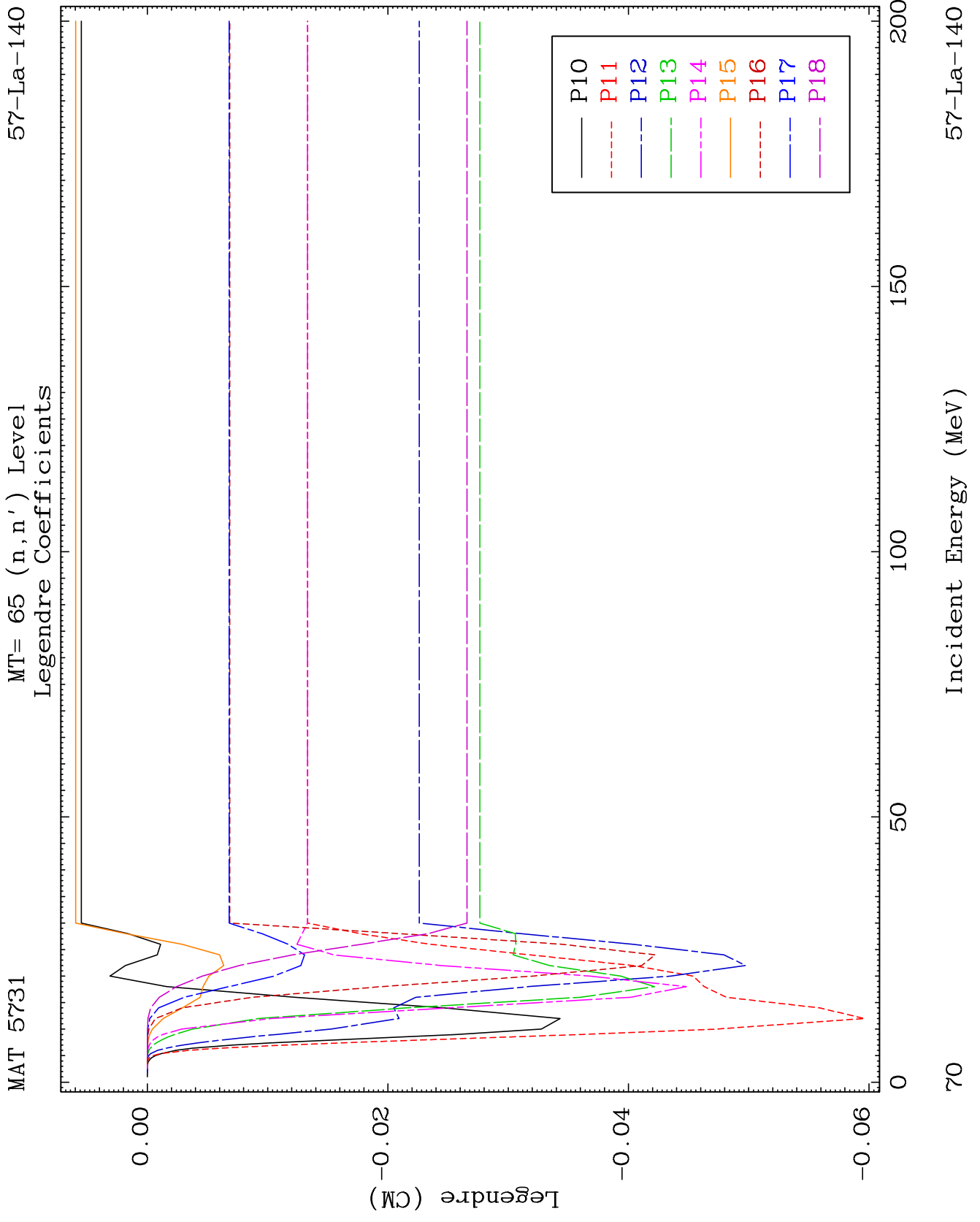
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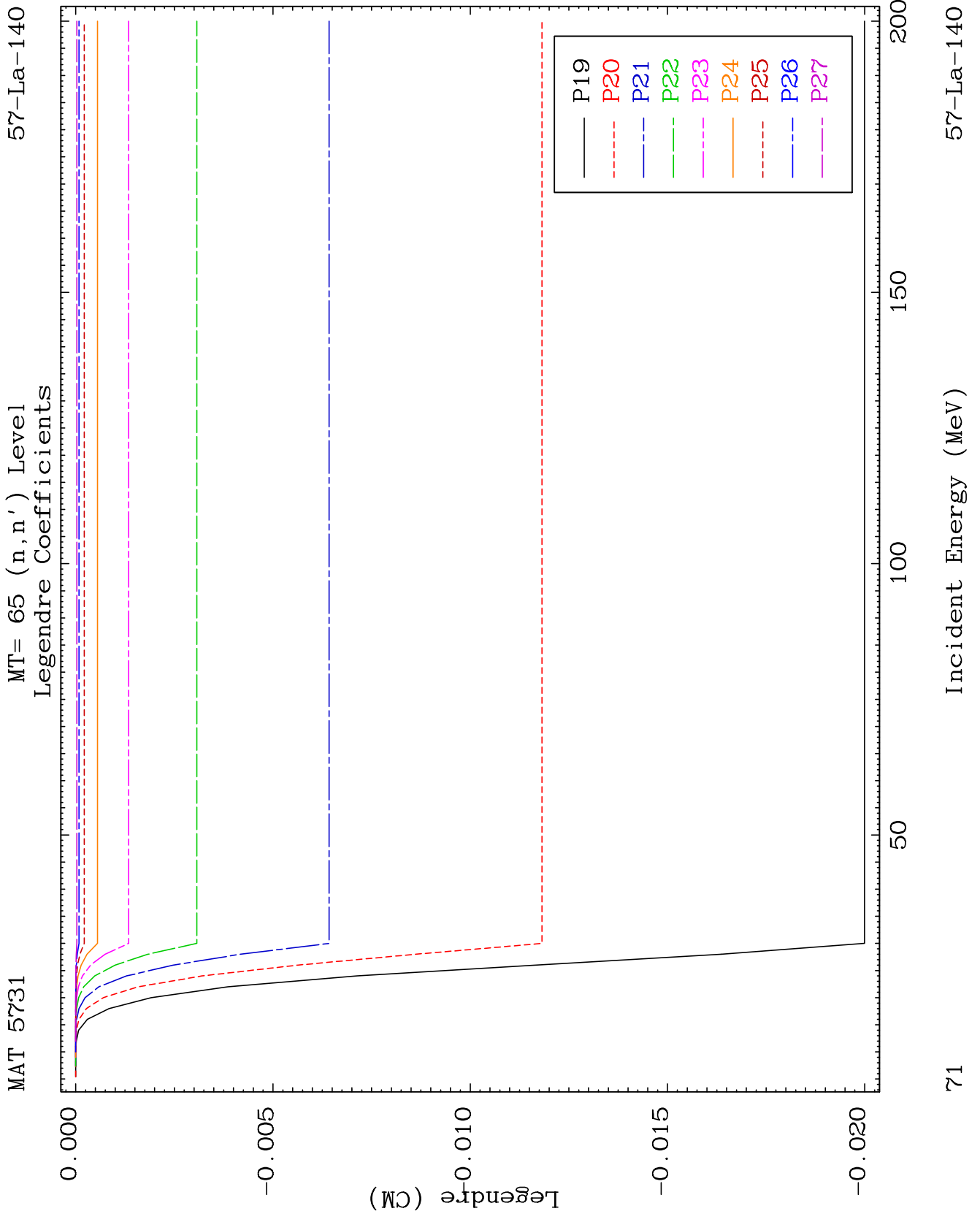


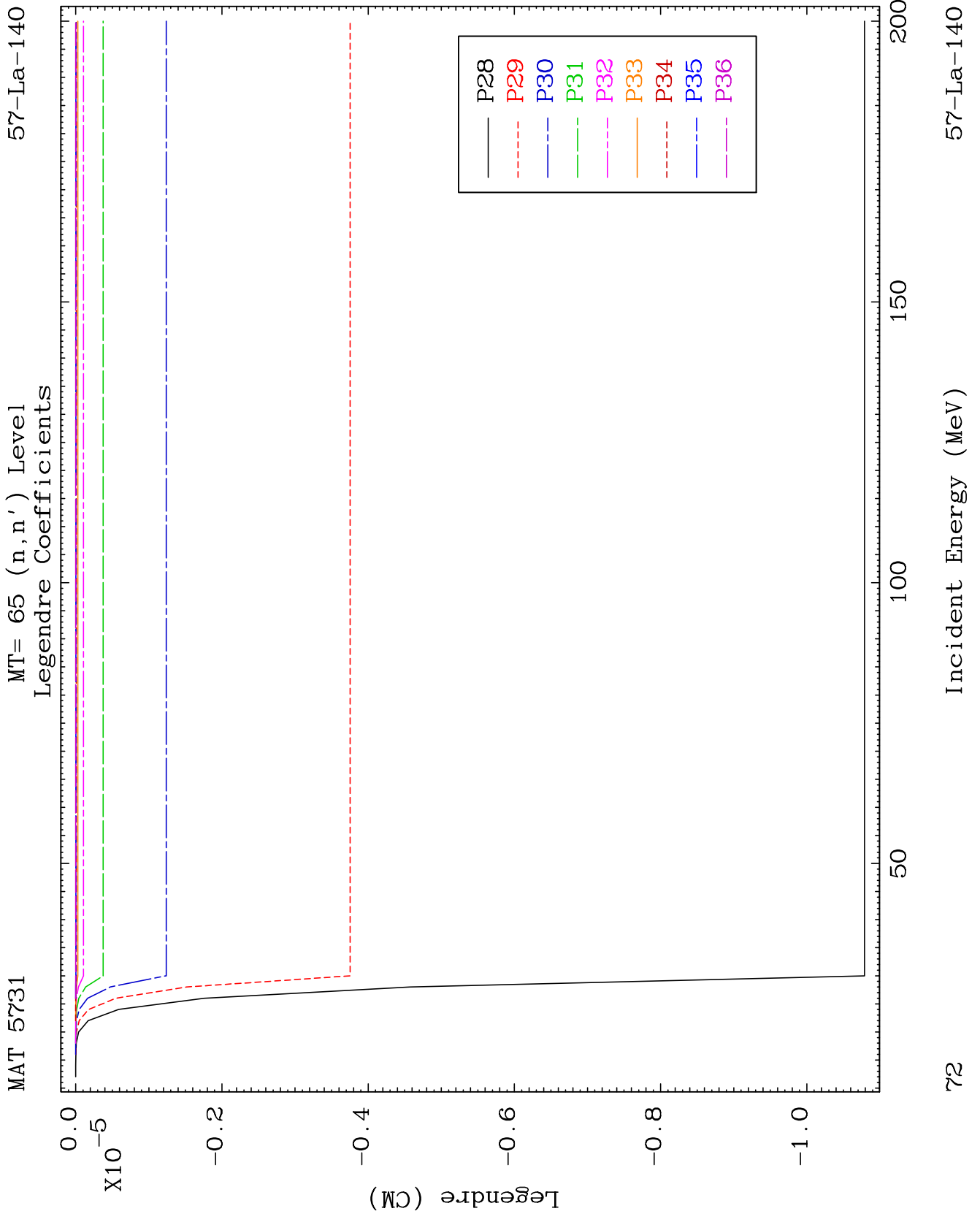
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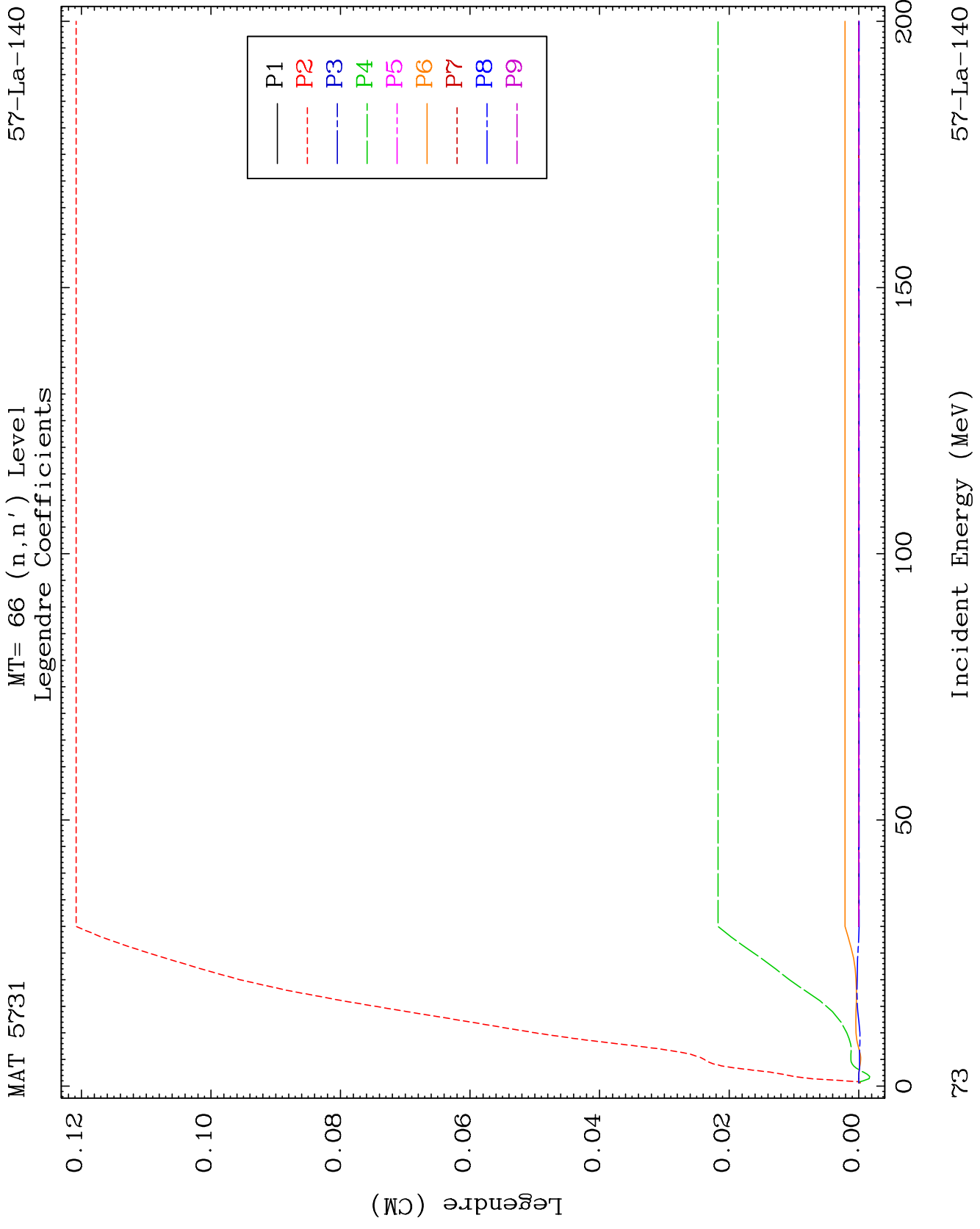
Incident Energy (MeV)

69





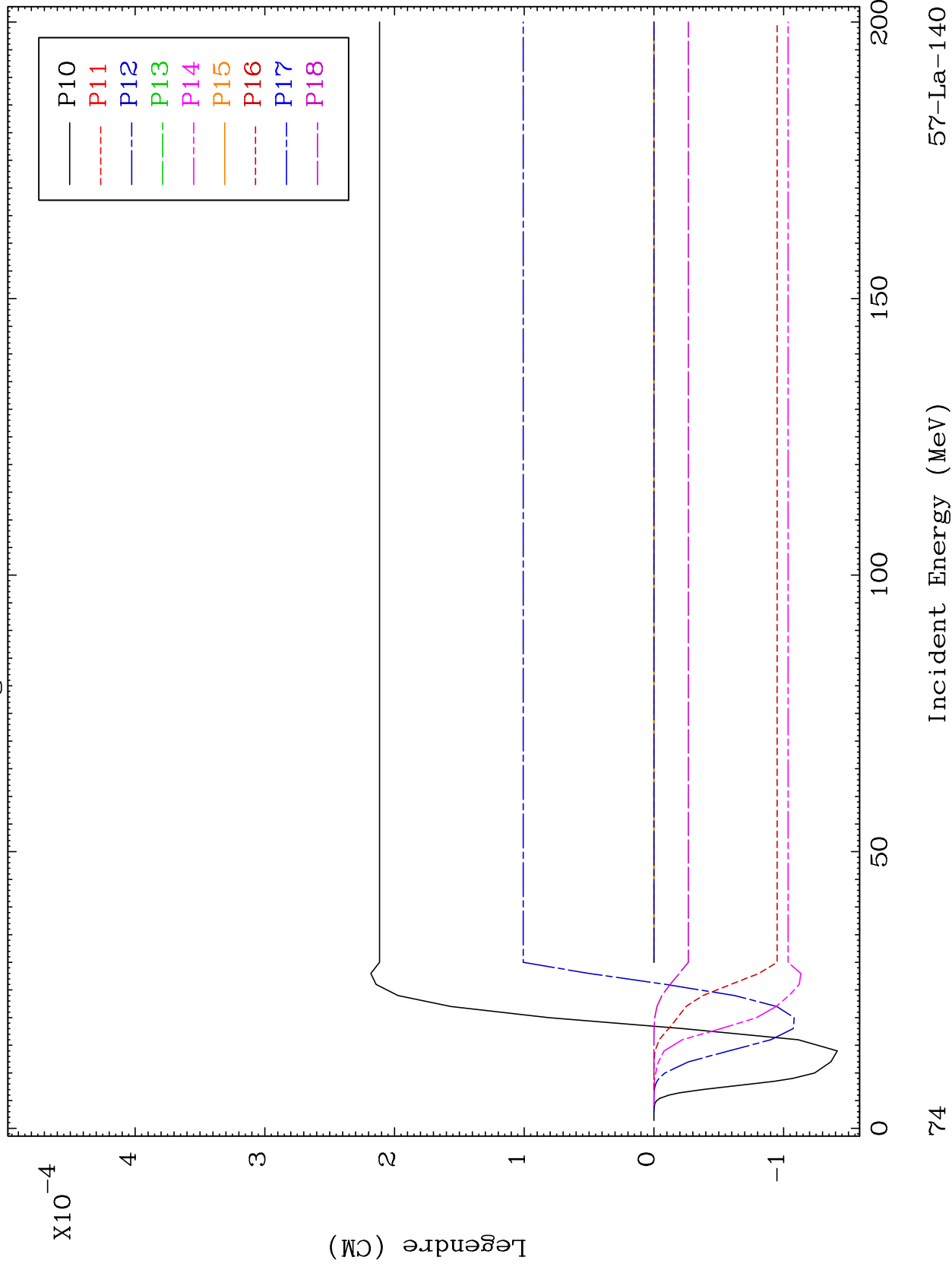


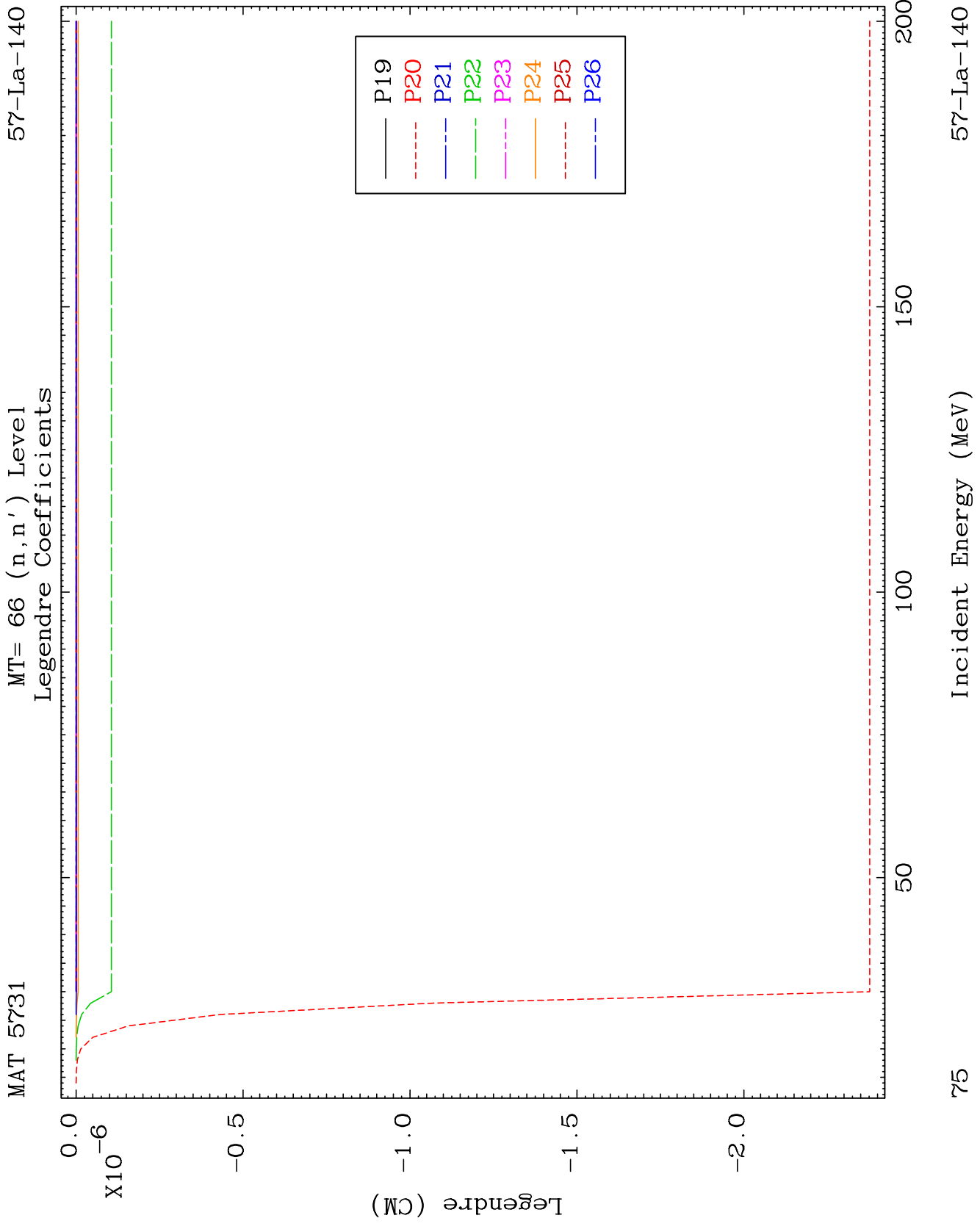


MAT 5731

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

57-La-140

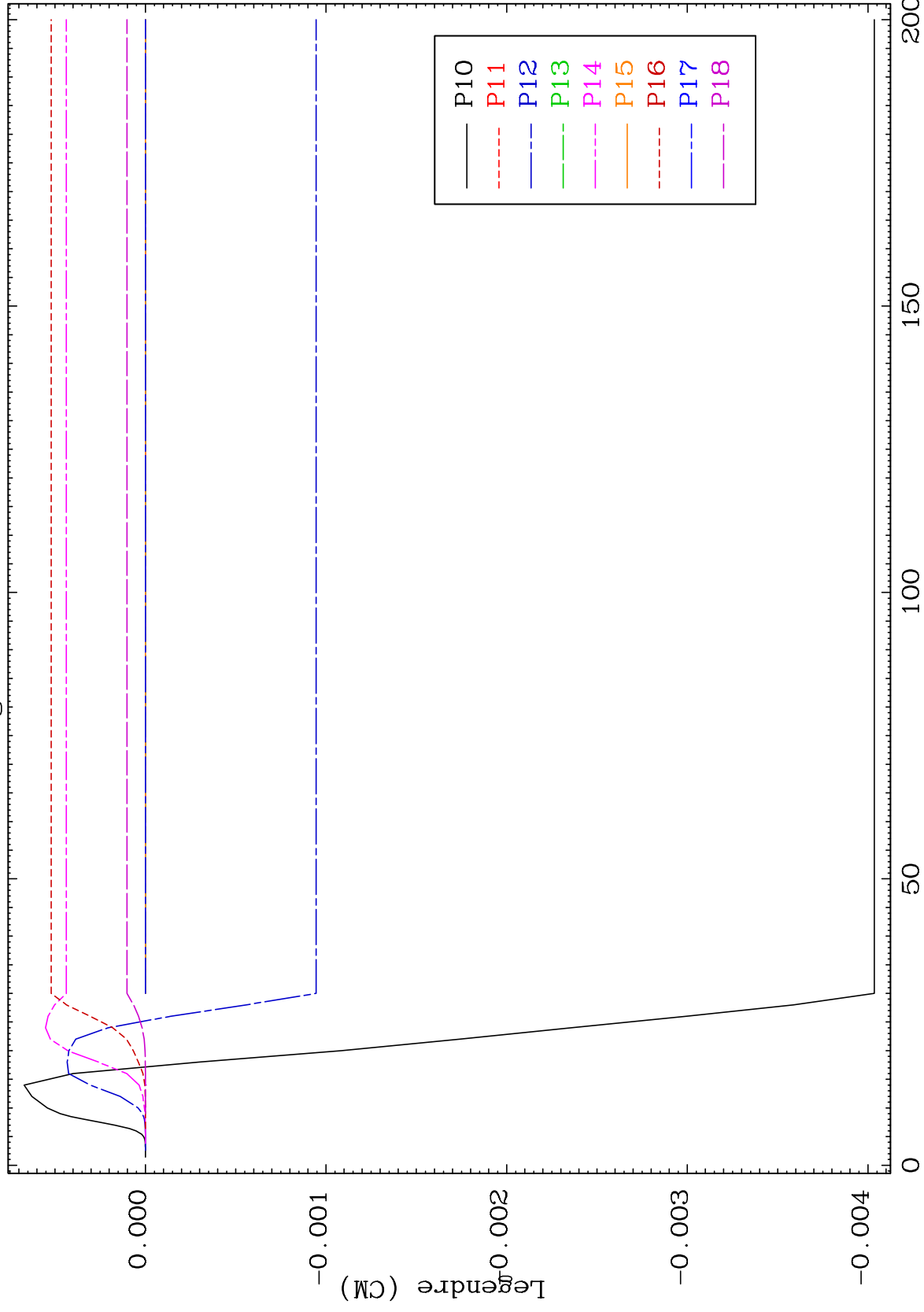




MAT 5731

57-La-140

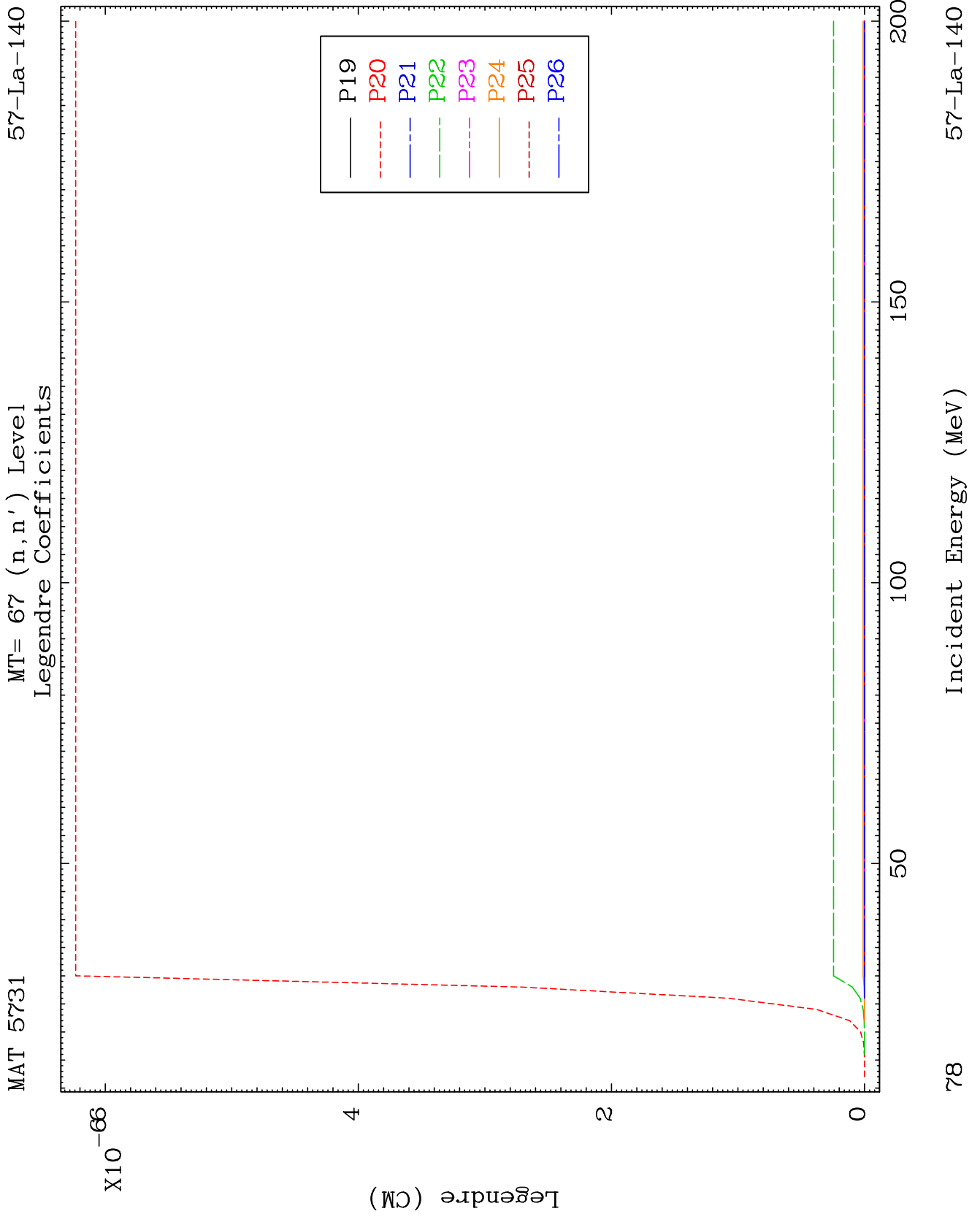
MT= 67 (n,n') Level
Legendre Coefficients

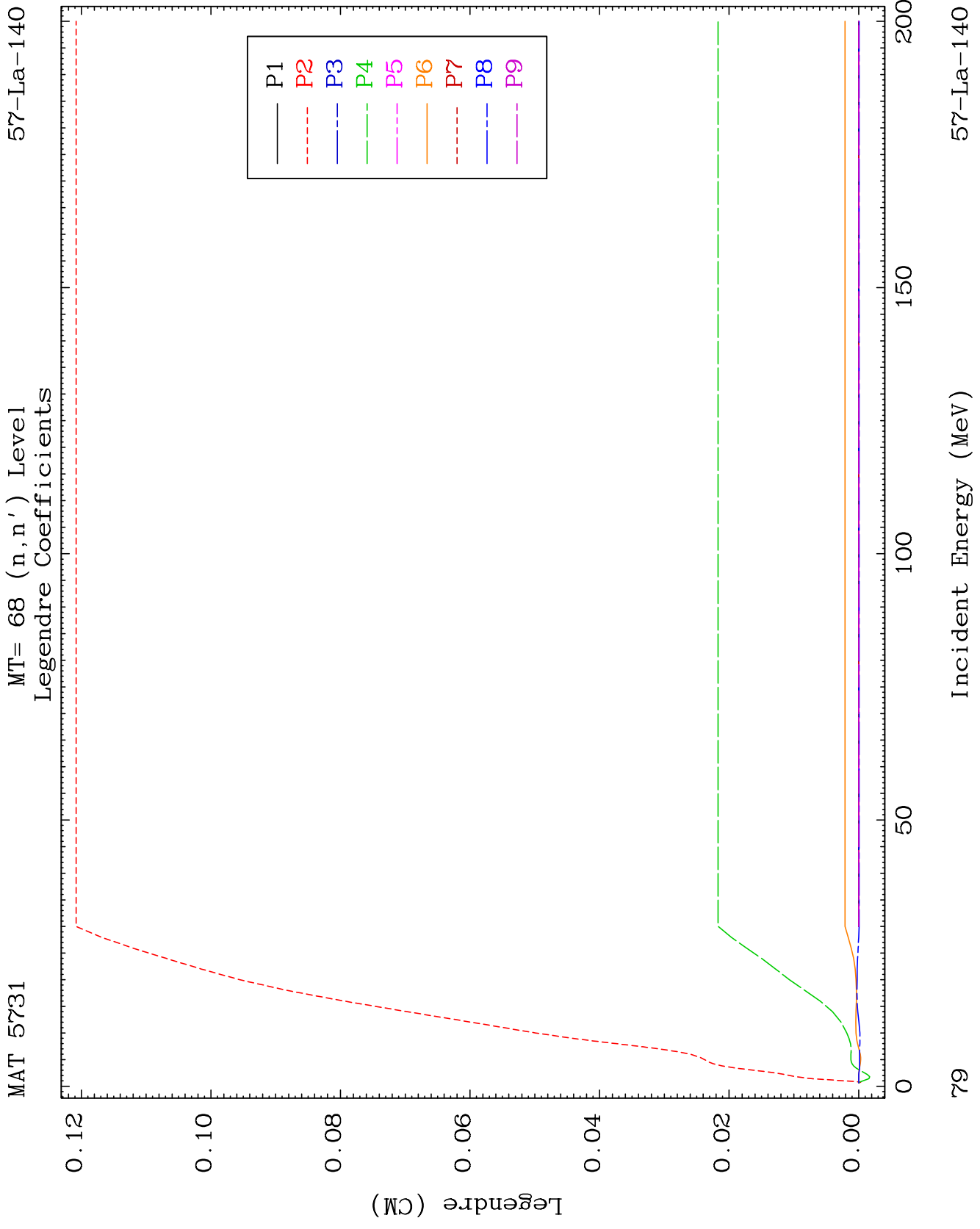


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Incident Energy (MeV)

57-La-140

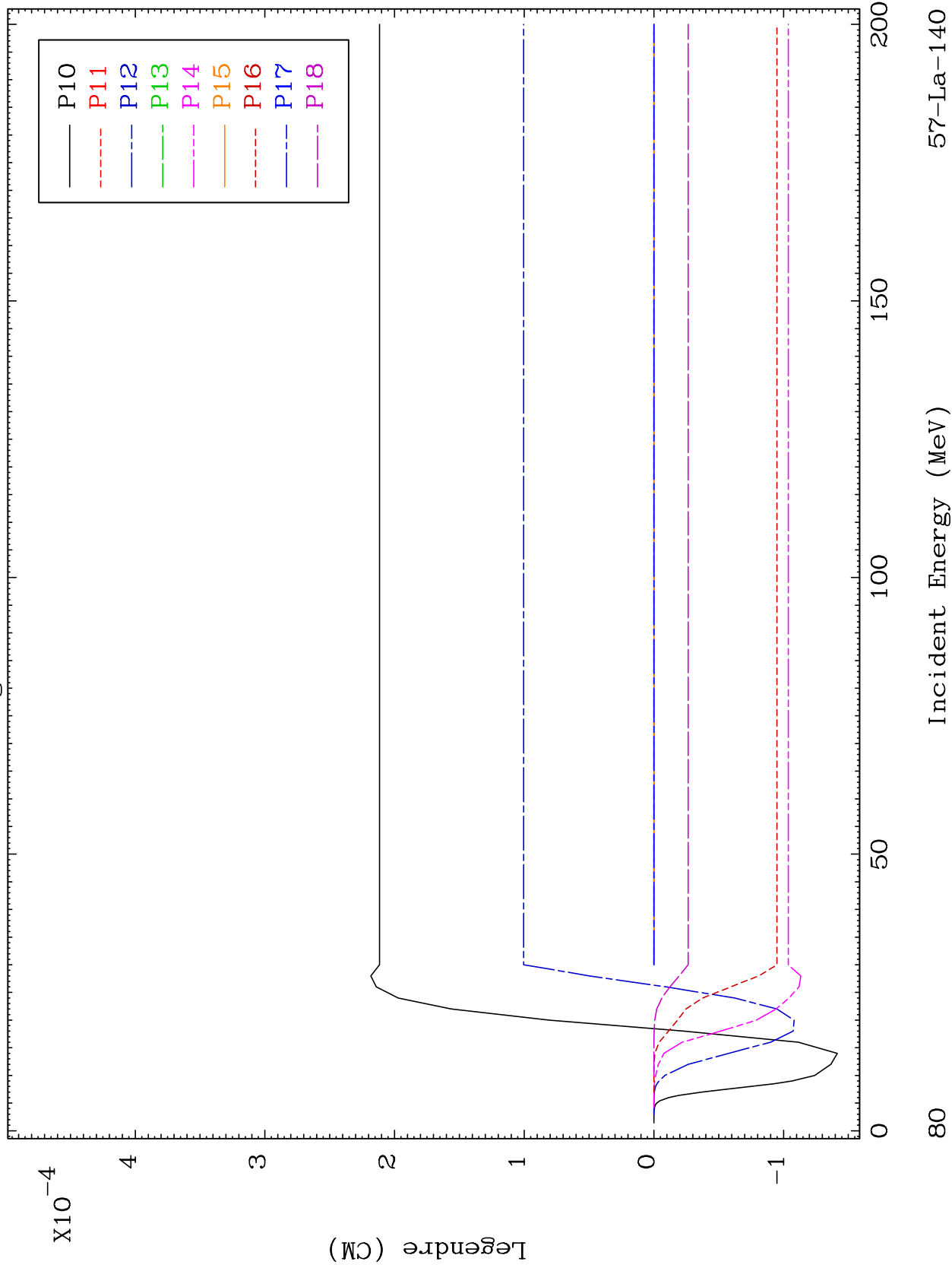


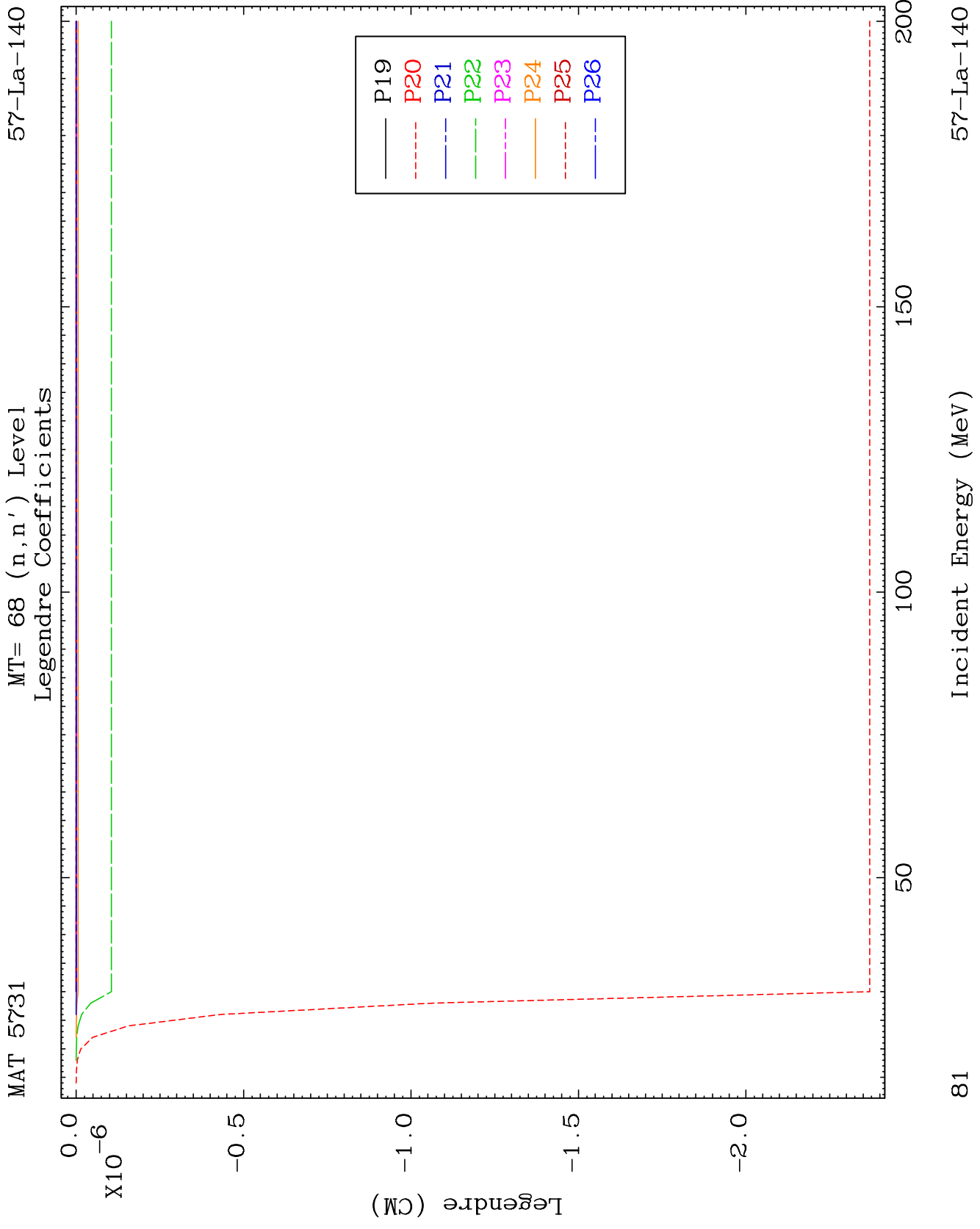


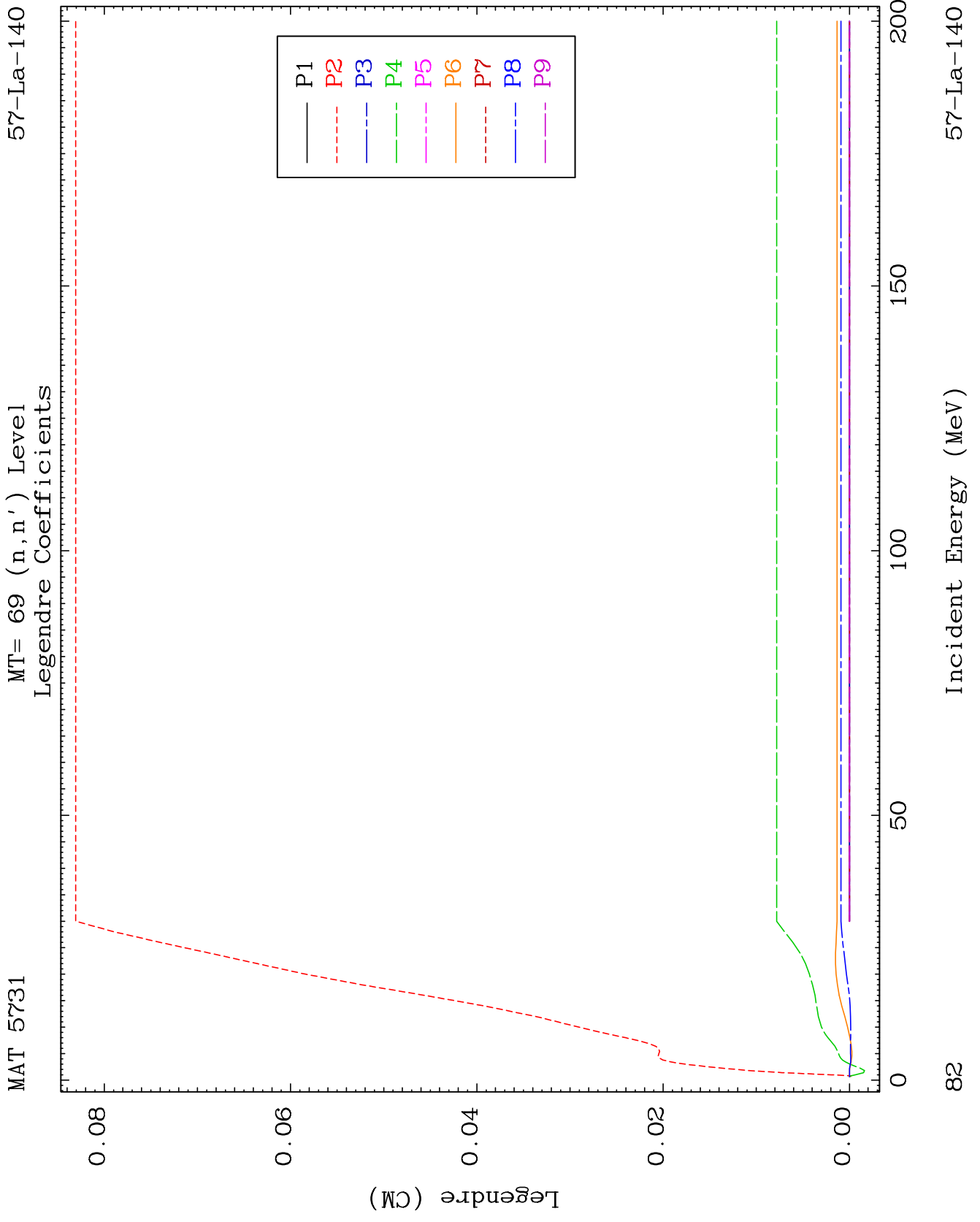
MAT 5731

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

57-La-140



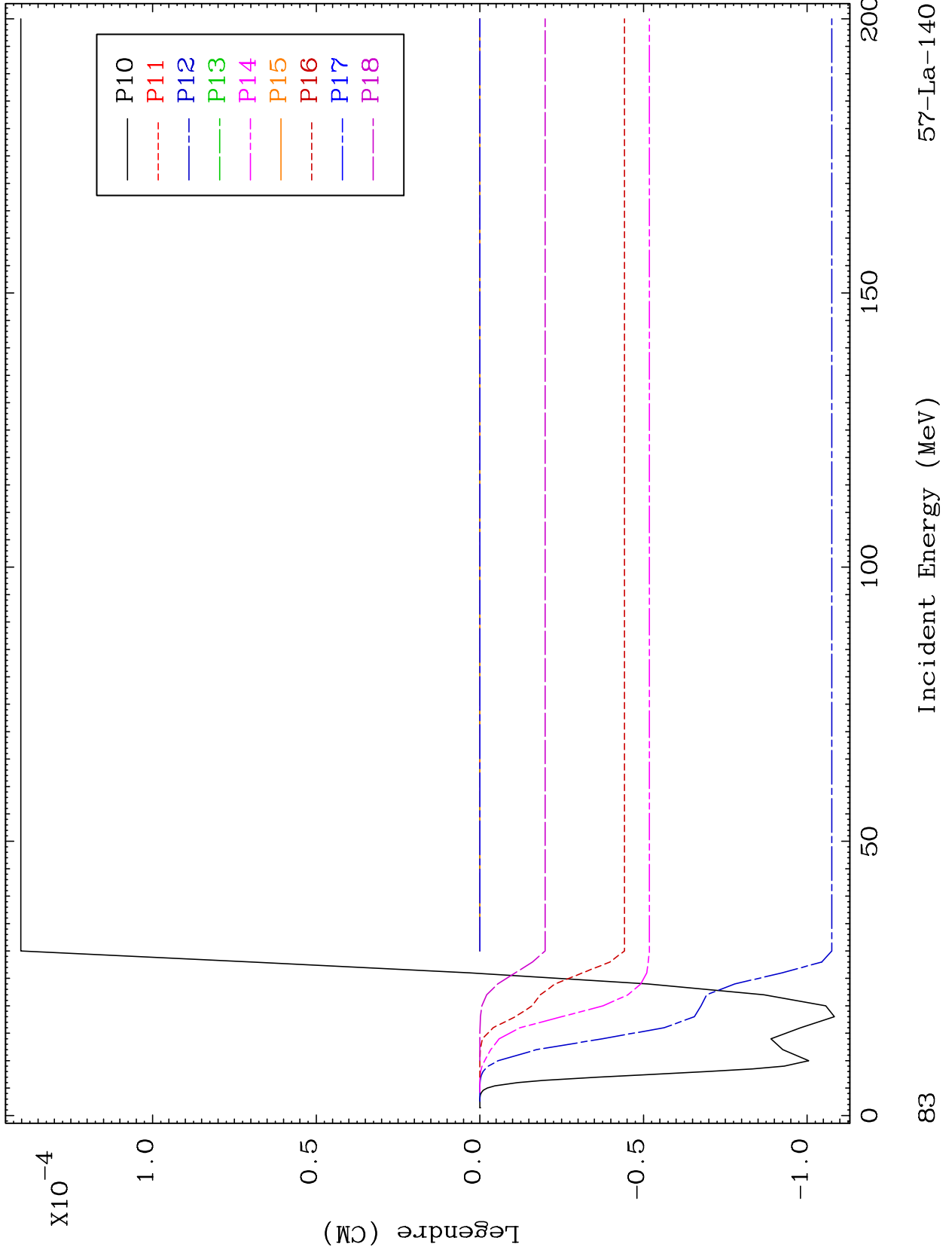




MAT 5731

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

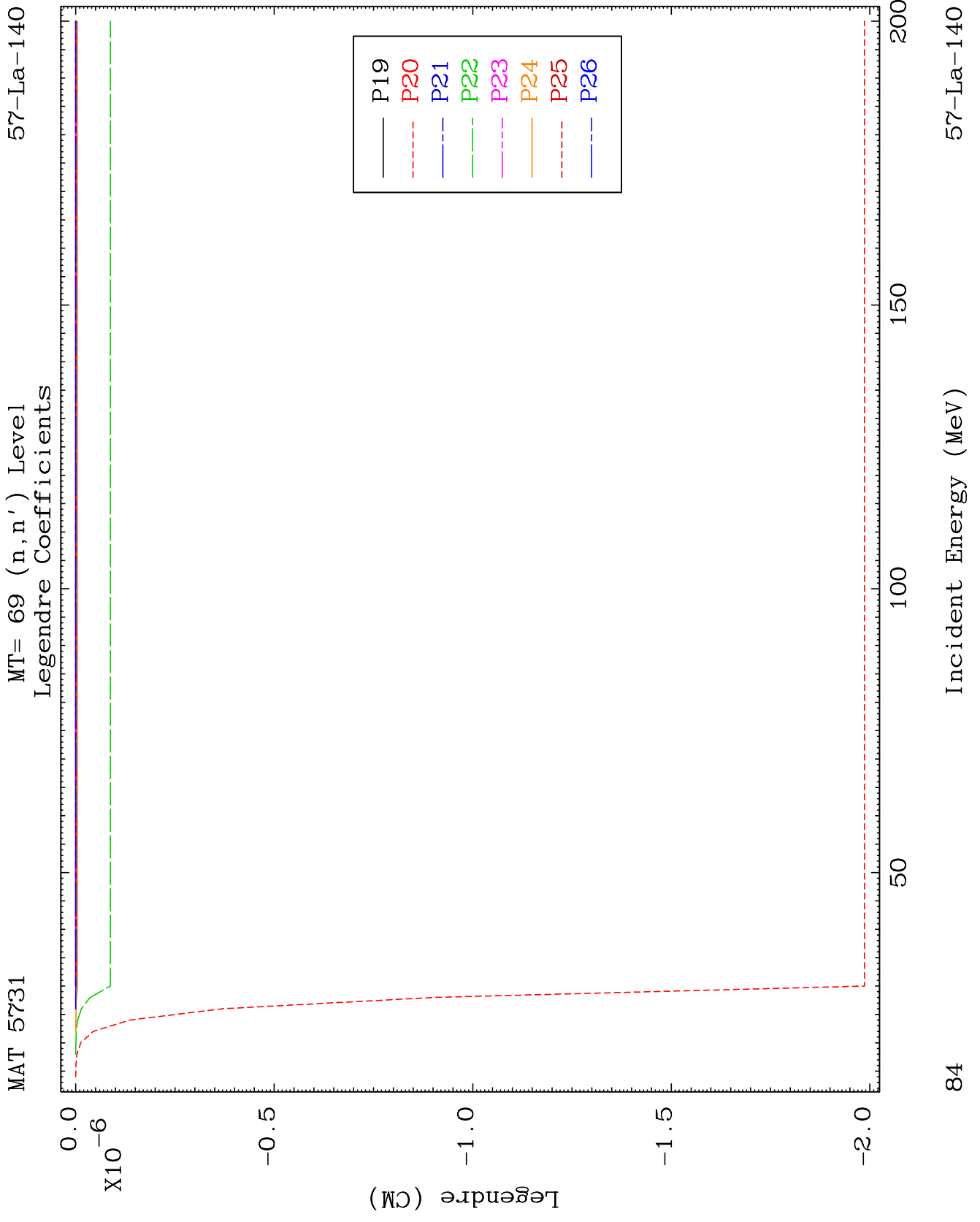
57-La-140



83

Incident Energy (MeV)

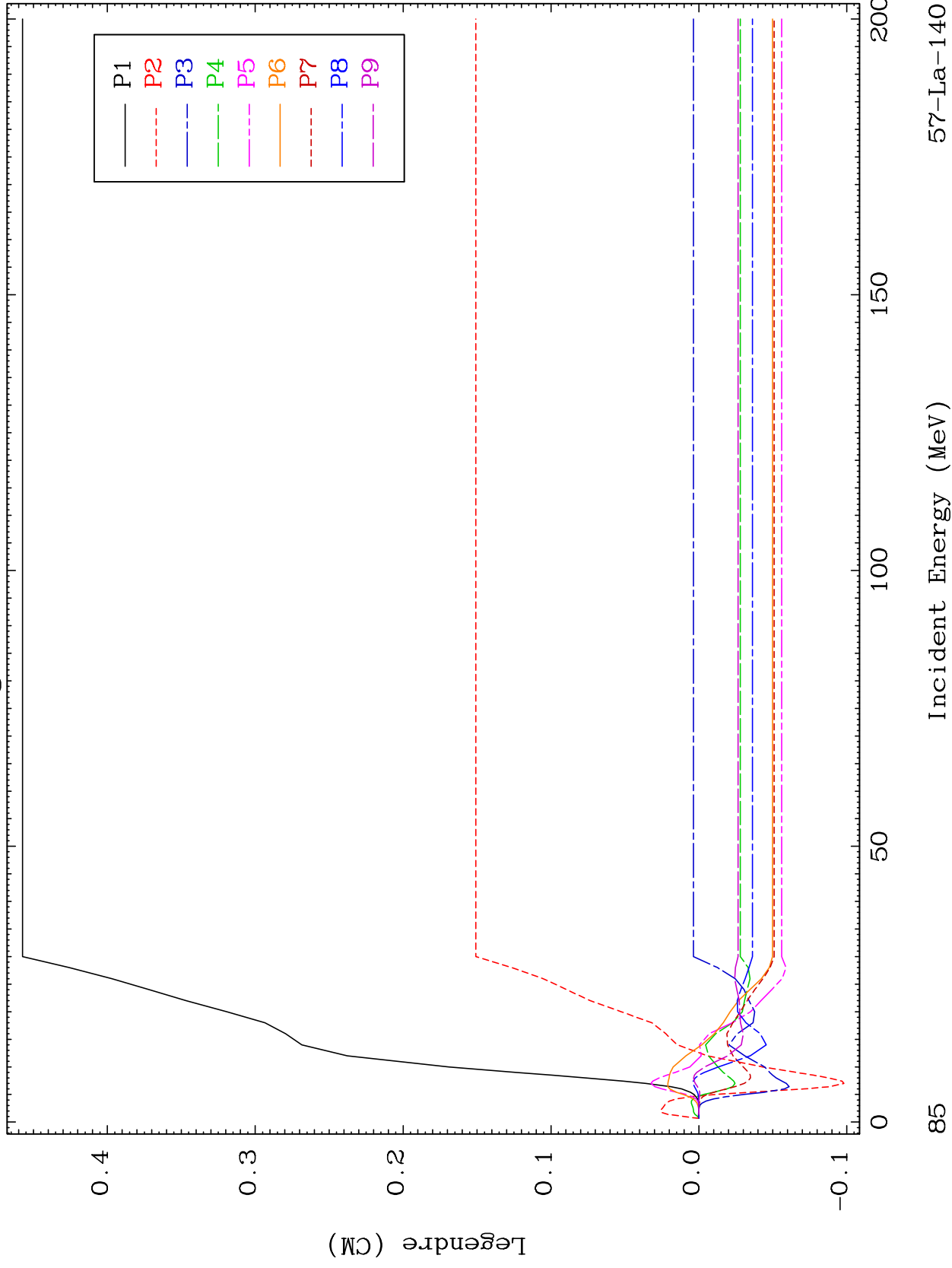
57-La-140



MAT 5731

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

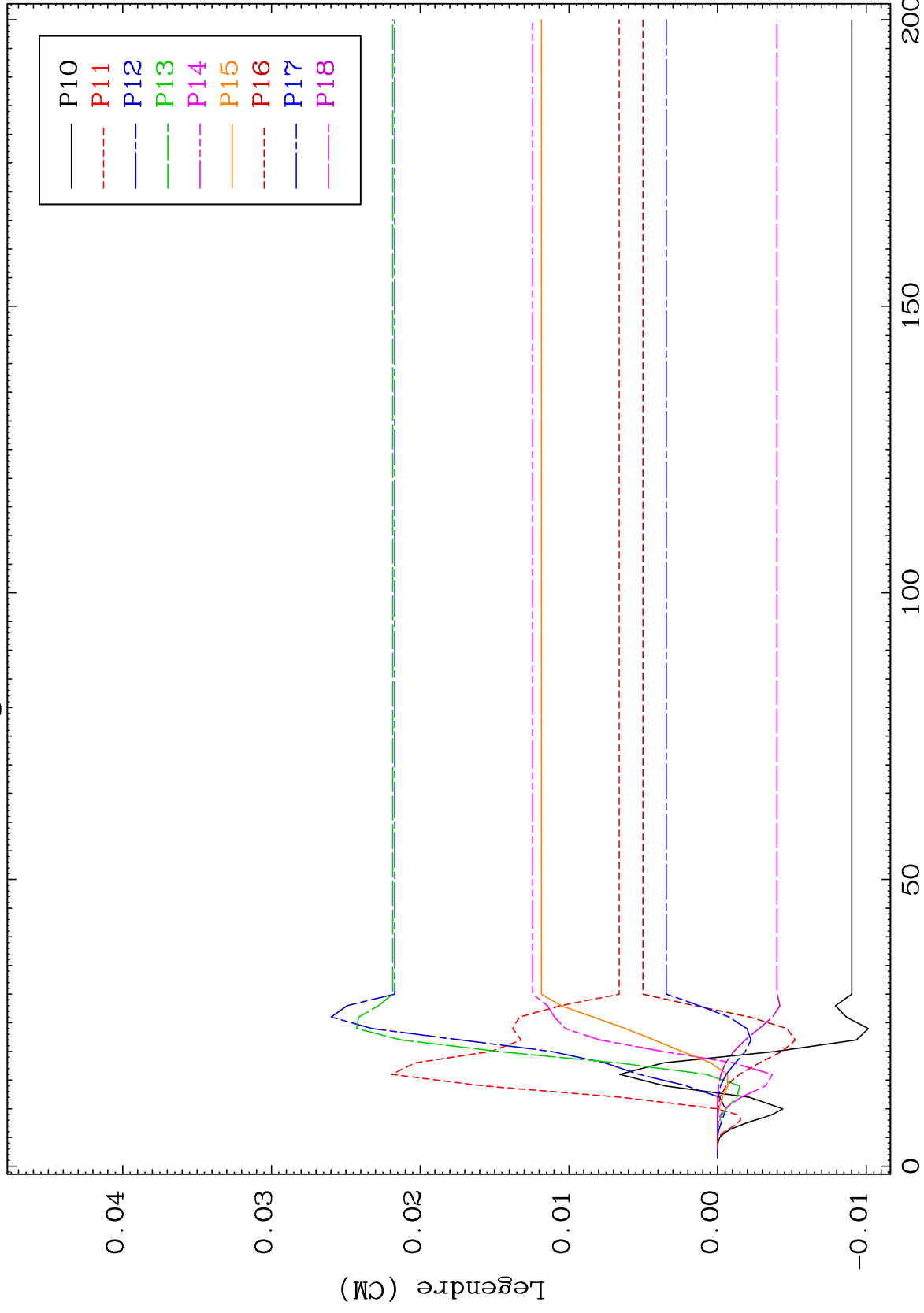
57-La-140



MAT 5731

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

57-La-140



86

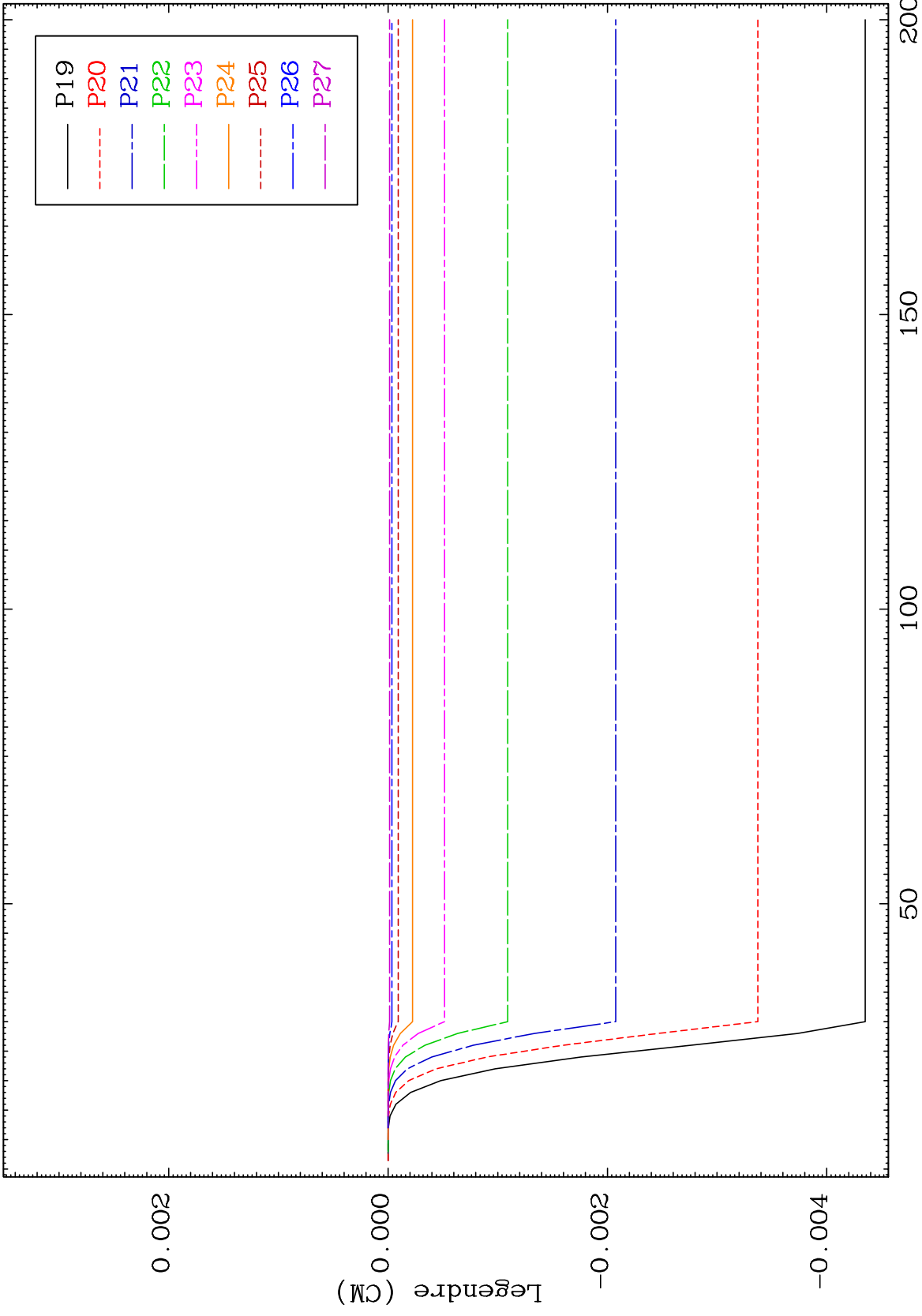
Incident Energy (MeV)

57-La-140

MAT 5731

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

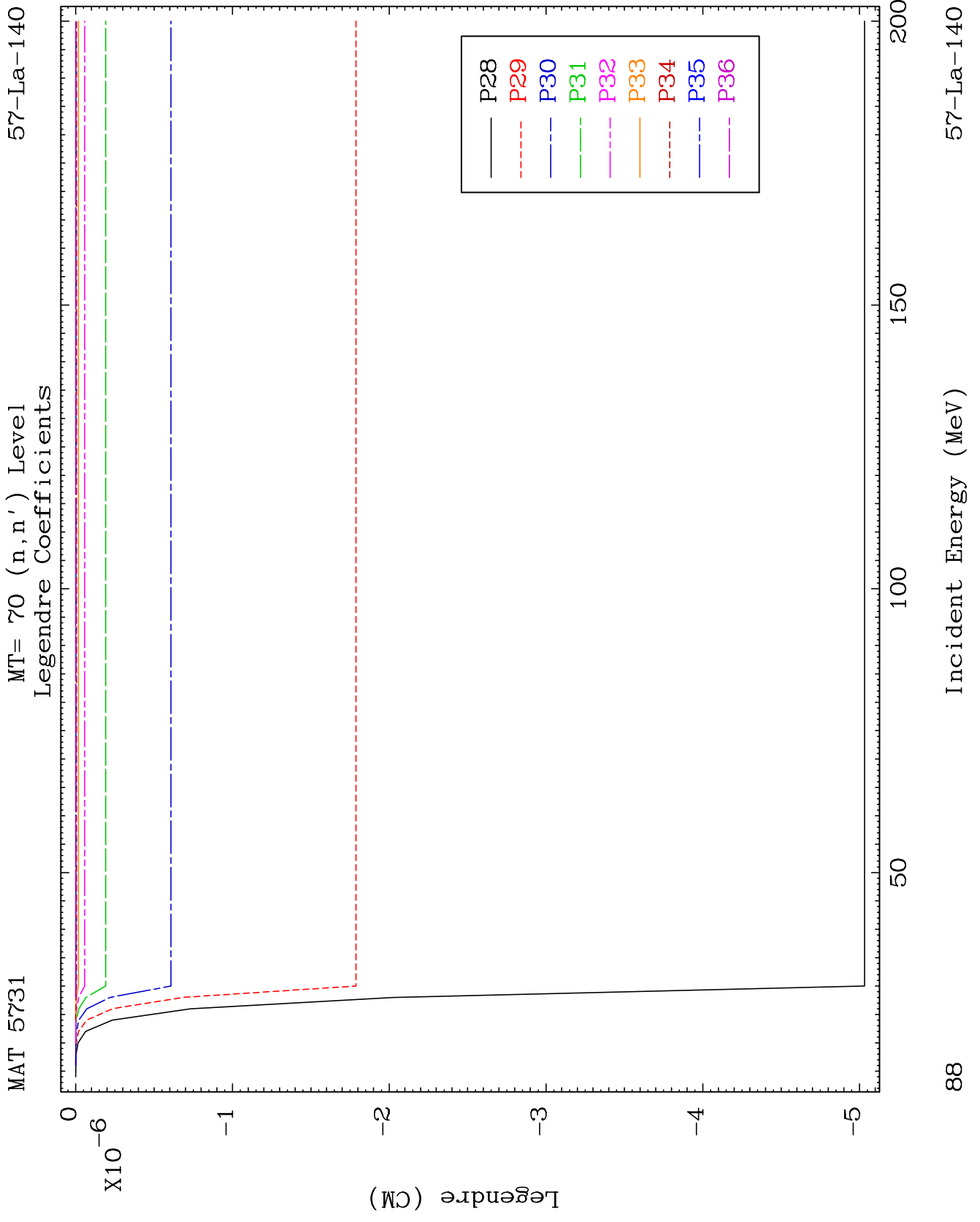
57-La-140



87

Incident Energy (MeV)

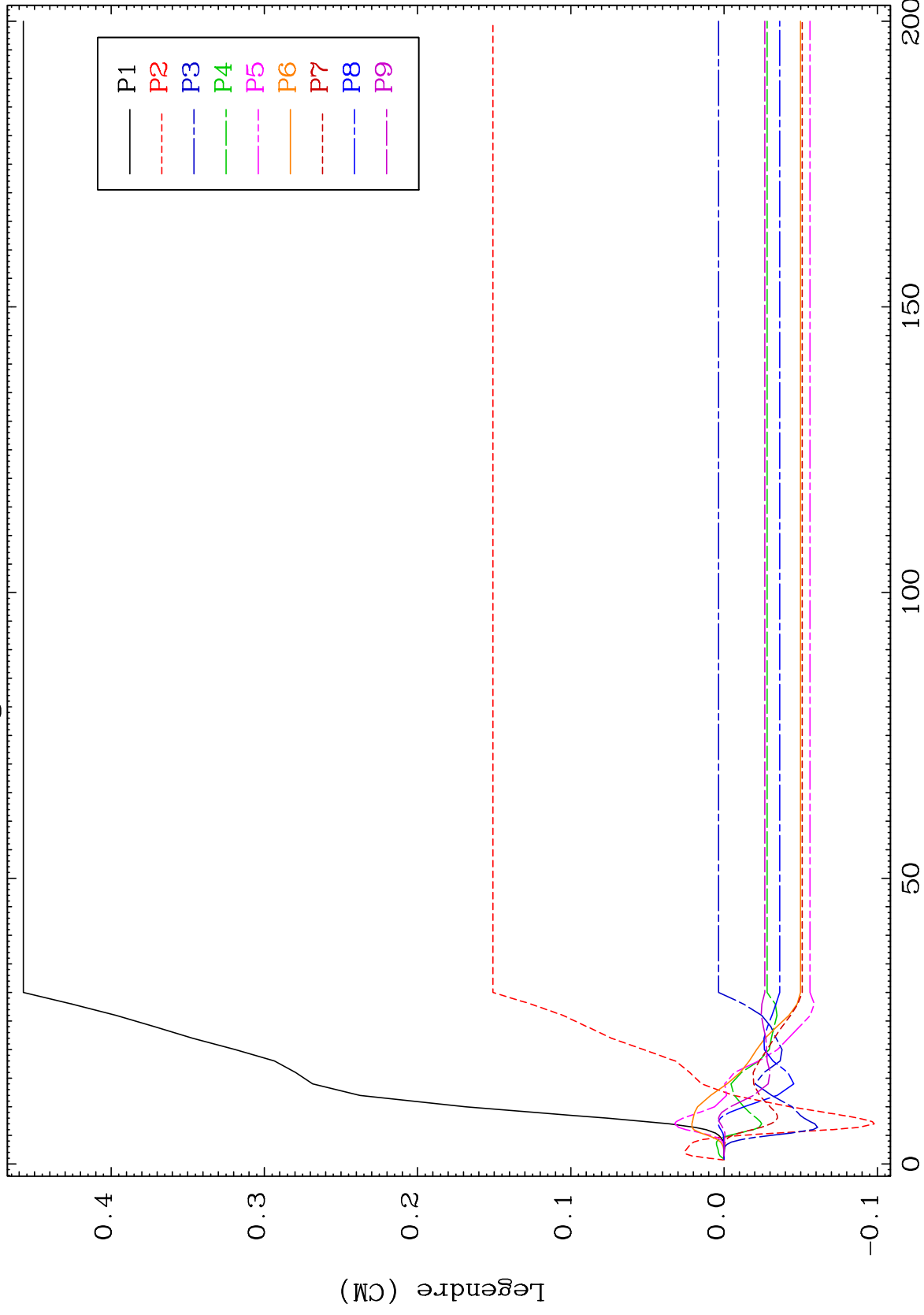
57-La-140



MAT 5731

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

57-La-140



89

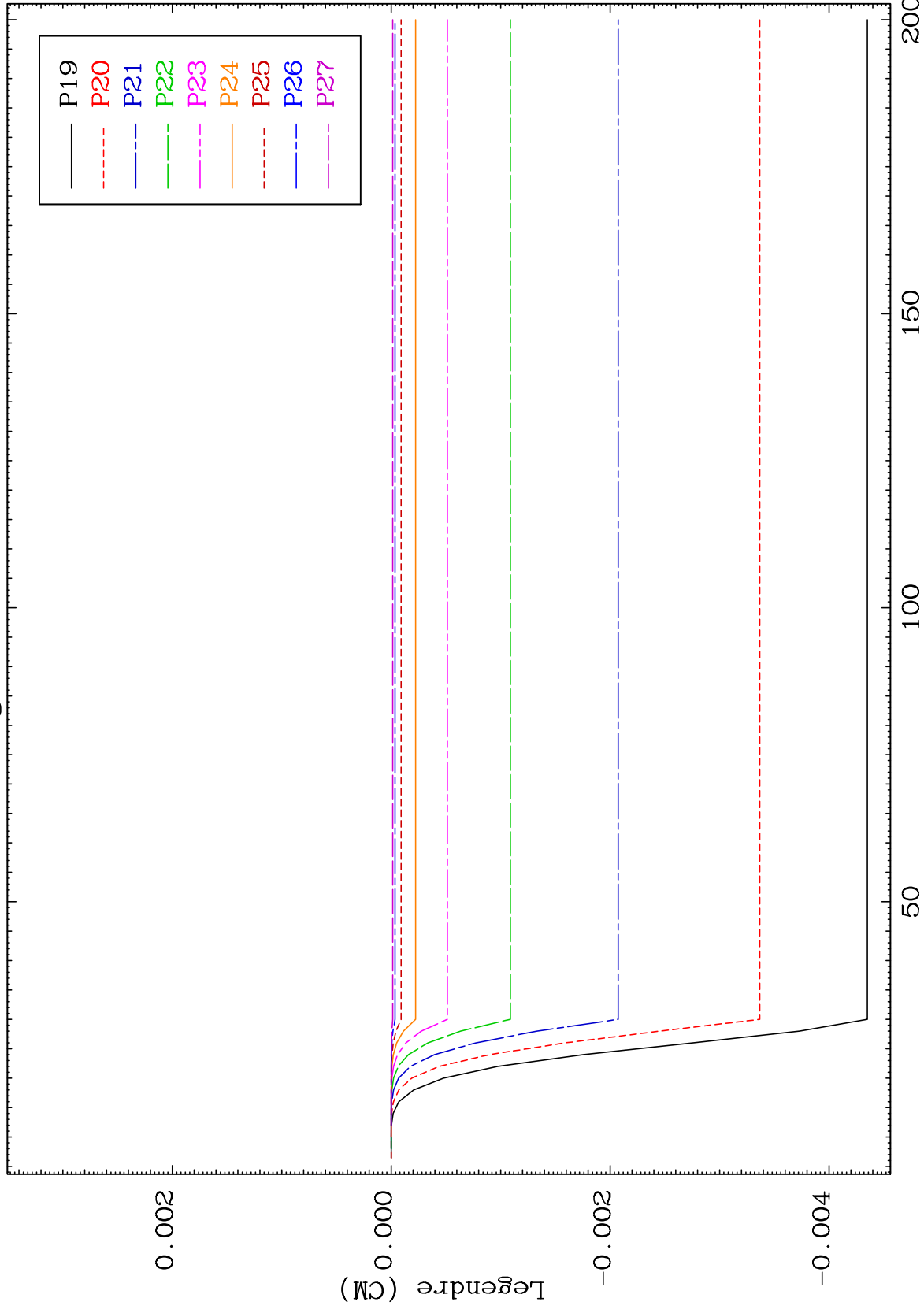
Incident Energy (MeV)

57-La-140

MAT 5731

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

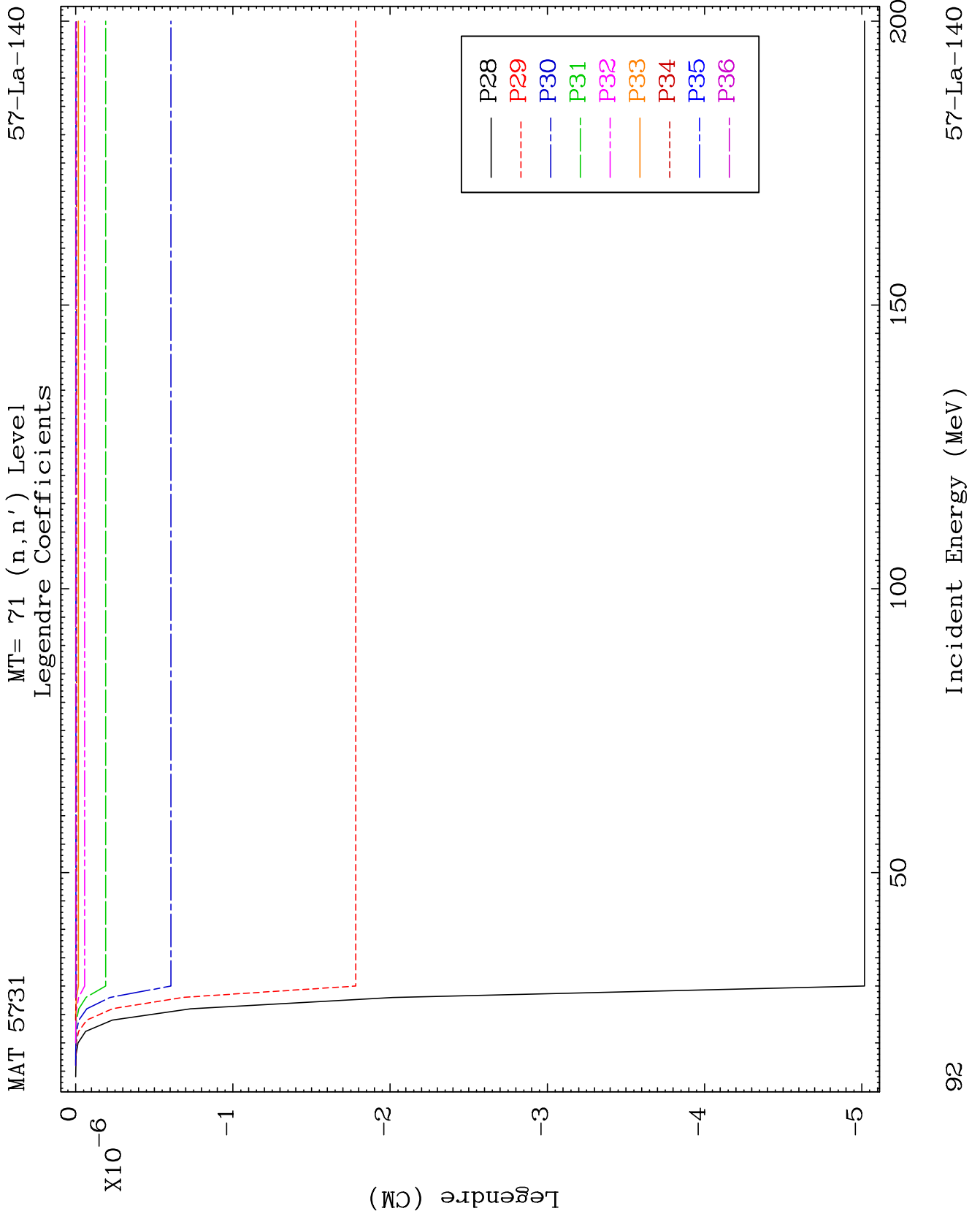
57-La-140



91

Incident Energy (MeV)

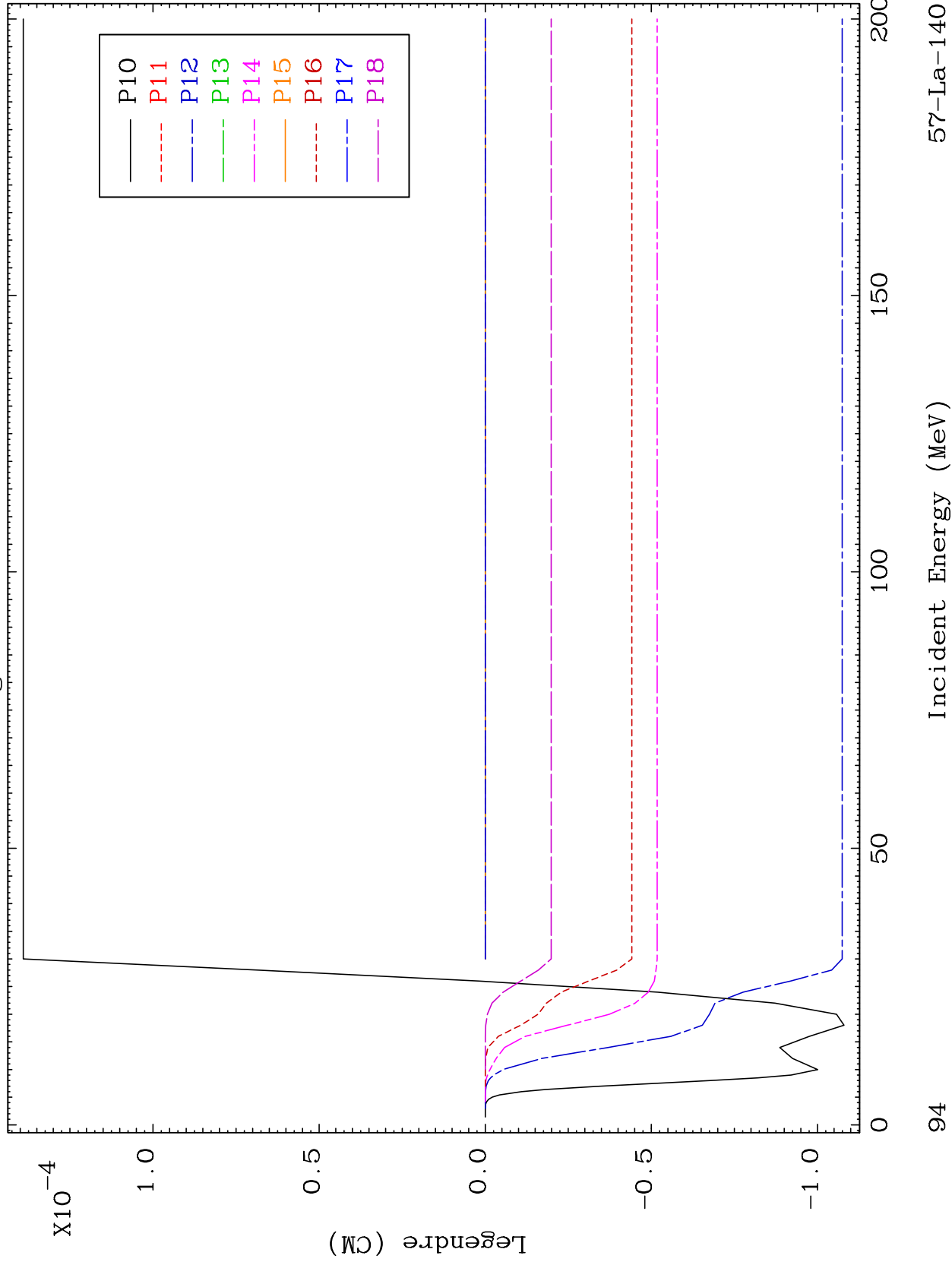
57-La-140



MAT 5731

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

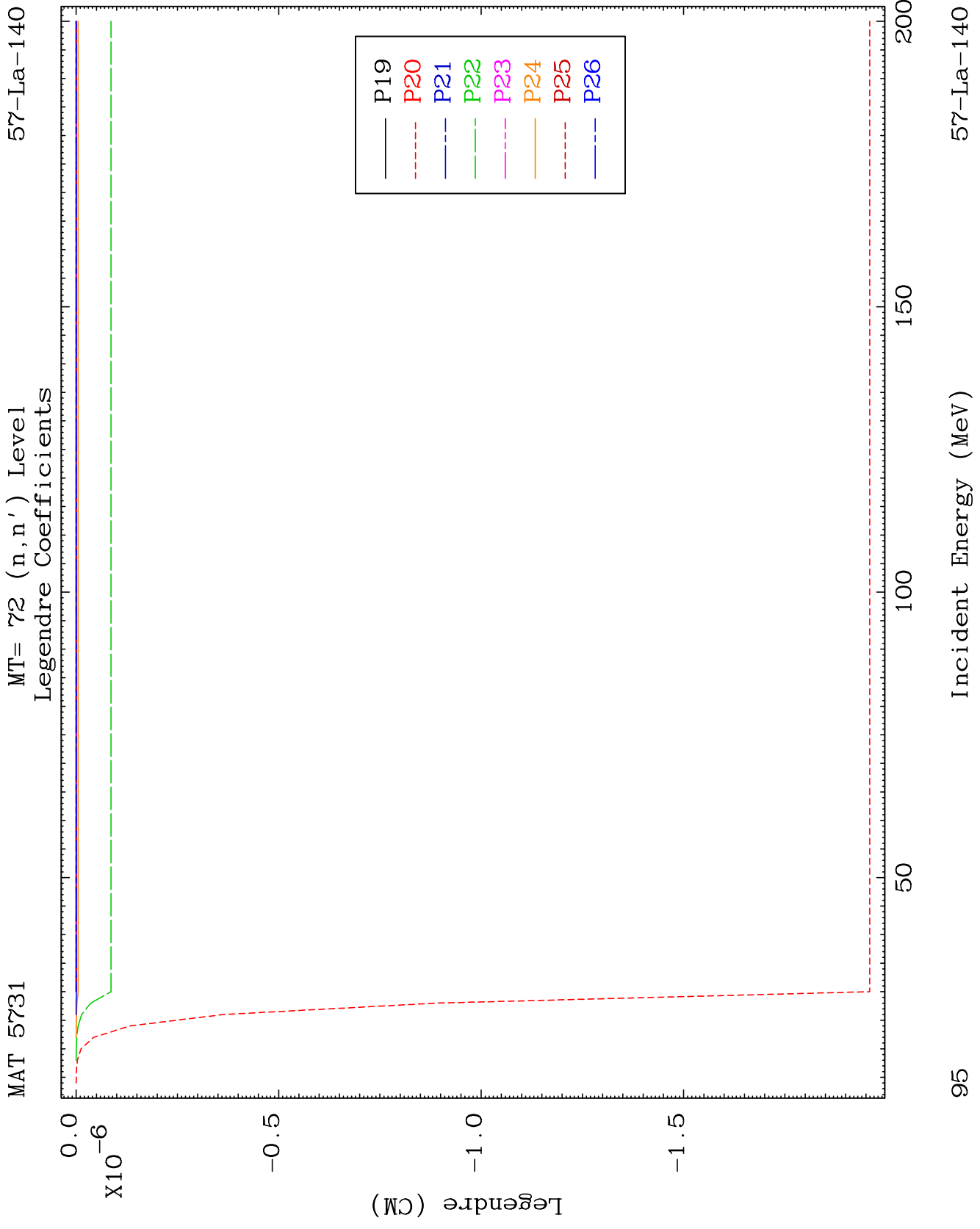
57-La-140



94

Incident Energy (MeV)

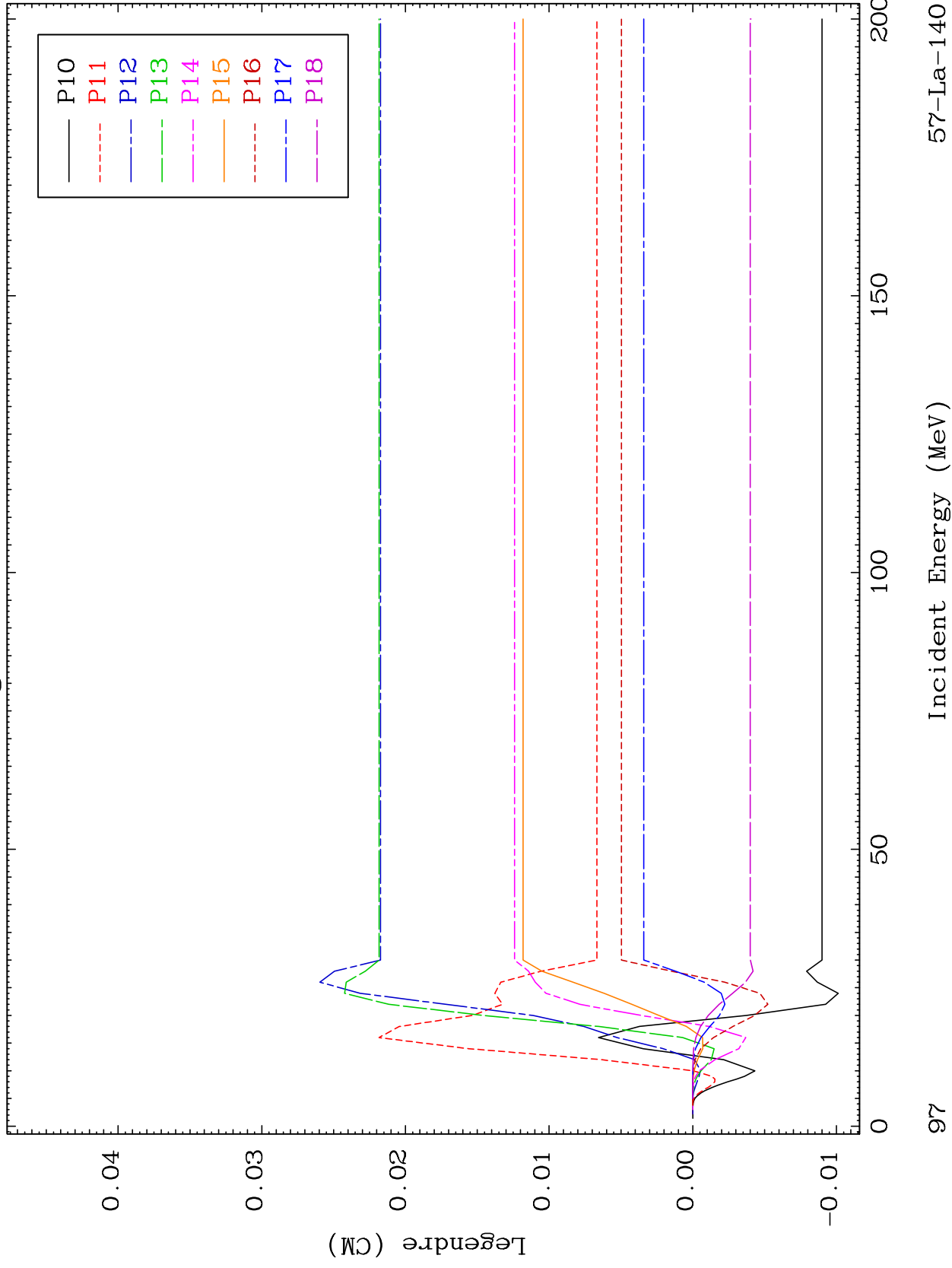
57-La-140



MAT 5731

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

57-La-140



57-La-140

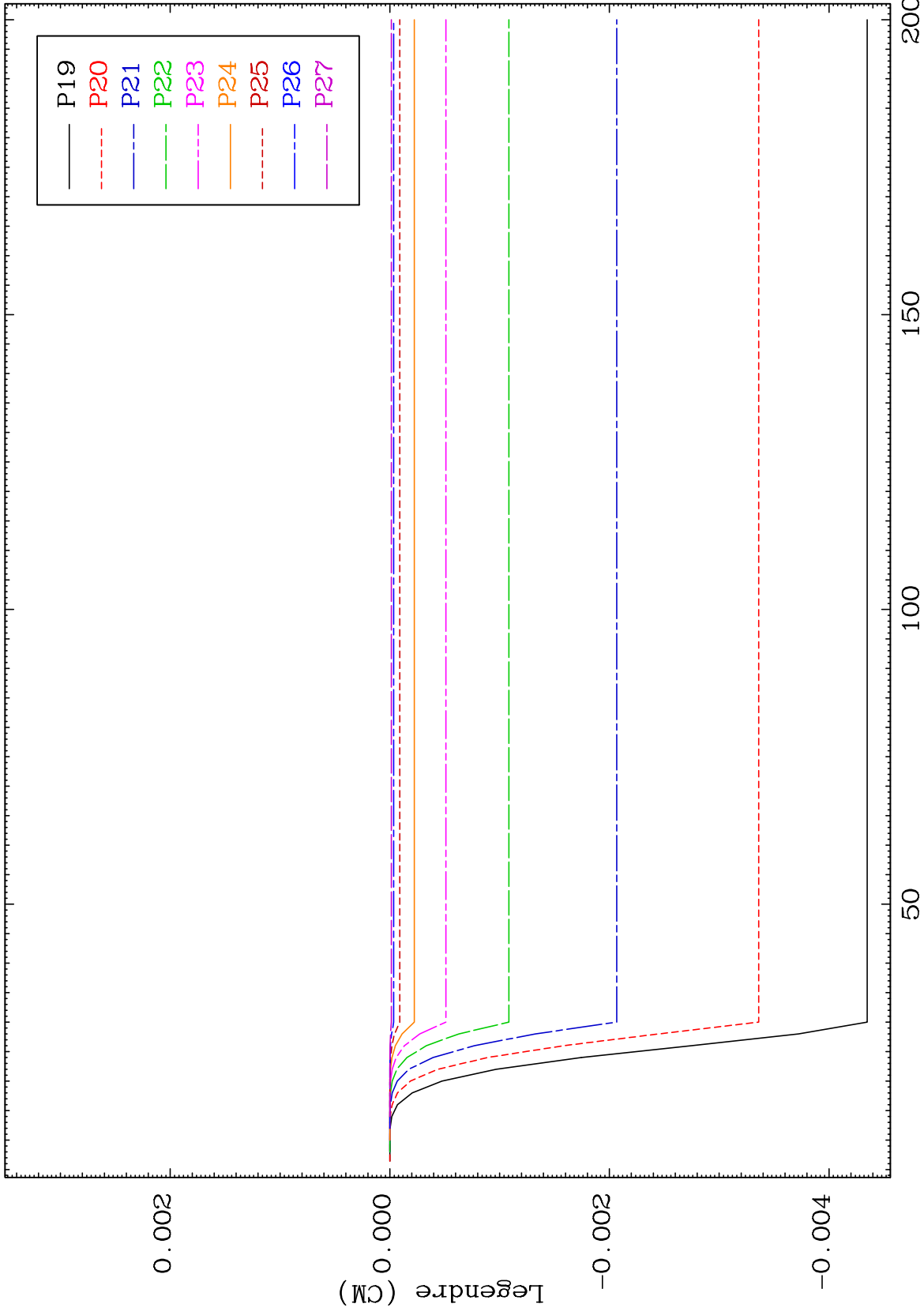
Incident Energy (MeV)

97

MAT 5731

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

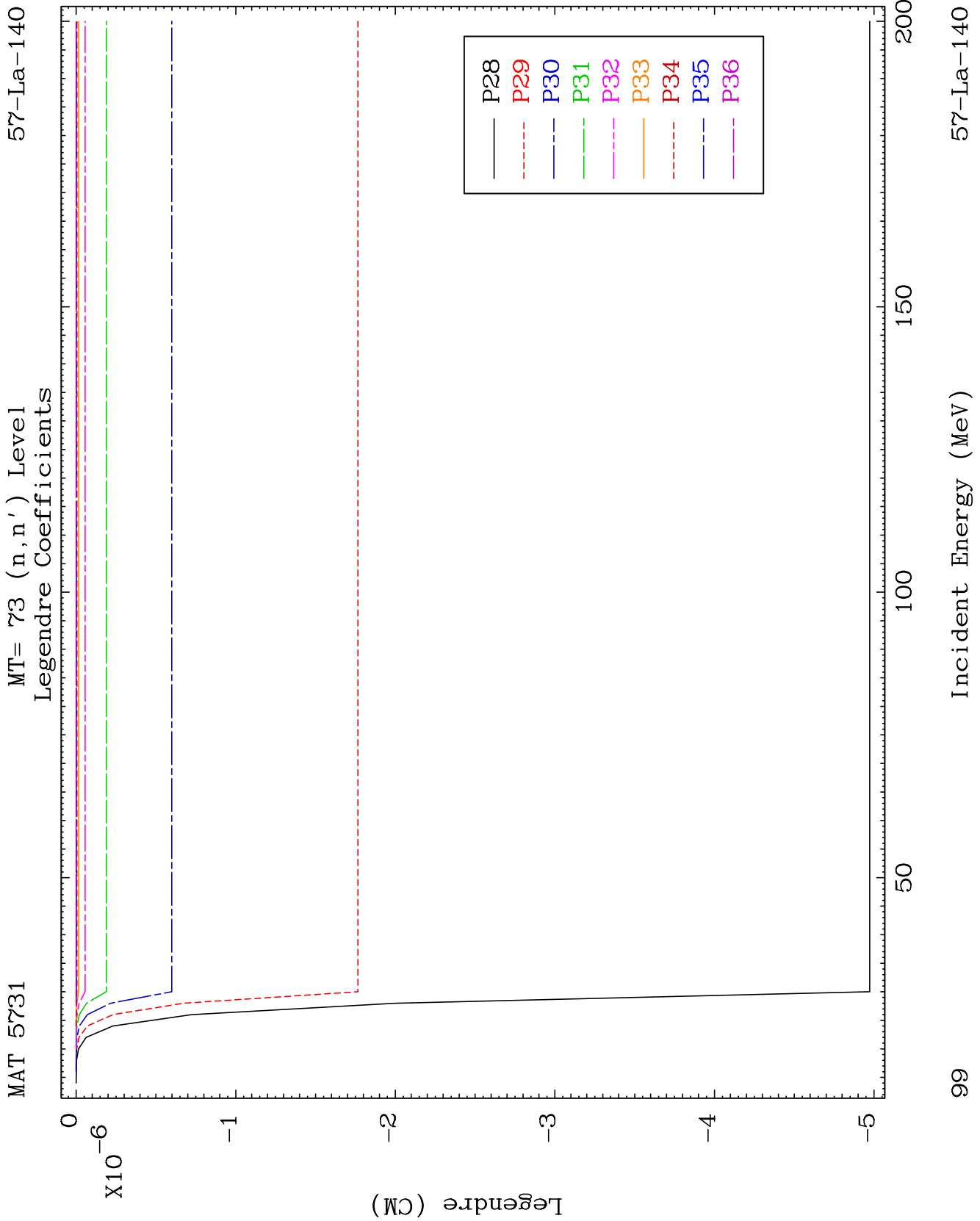
57-La-140



98

Incident Energy (MeV)

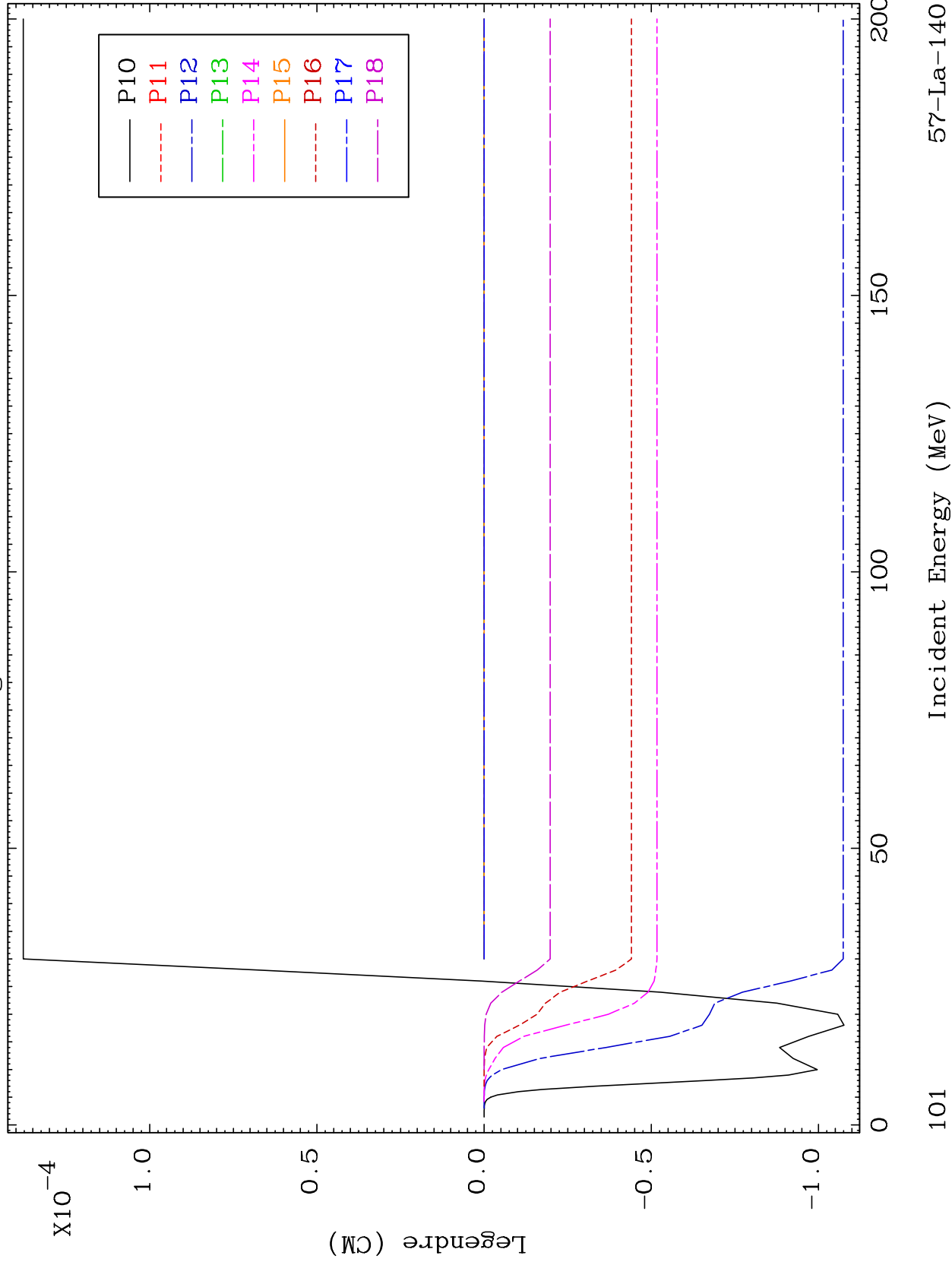
57-La-140



MAT 5731

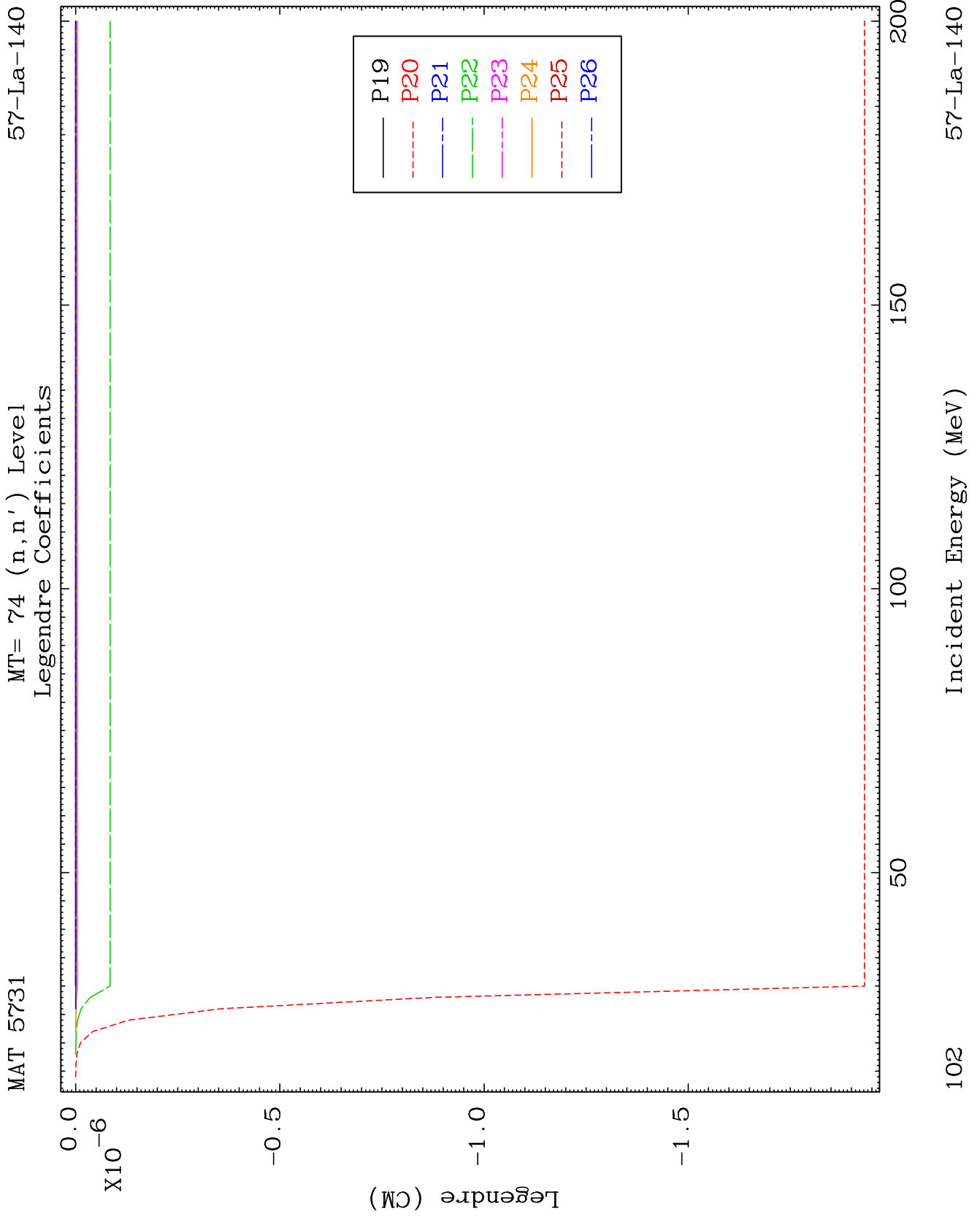
MT= 74 (n,n') Level
Legendre Coefficients

57-La-140



101

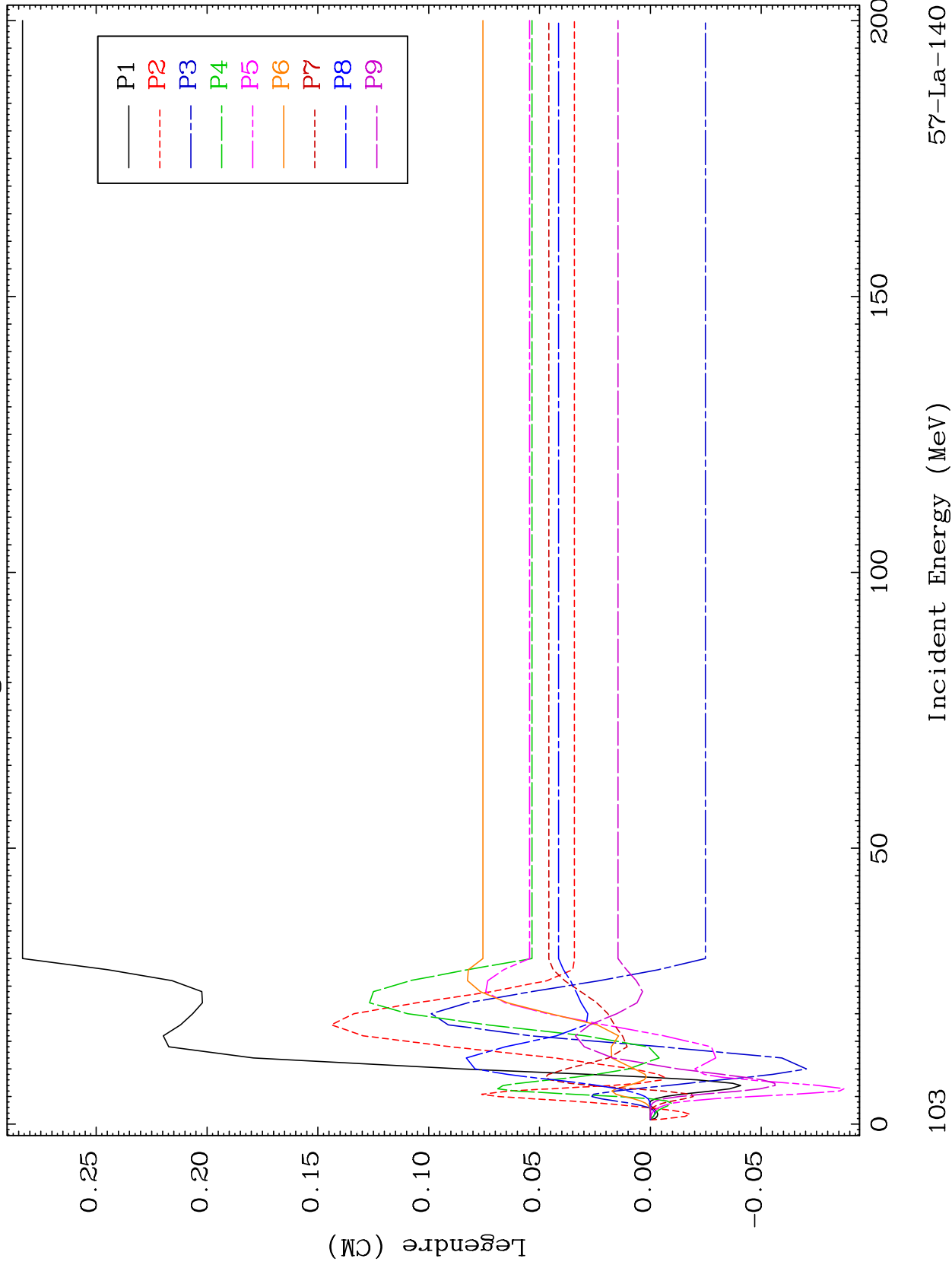
57-La-140



MAT 5731

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

57-La-140



57-La-140

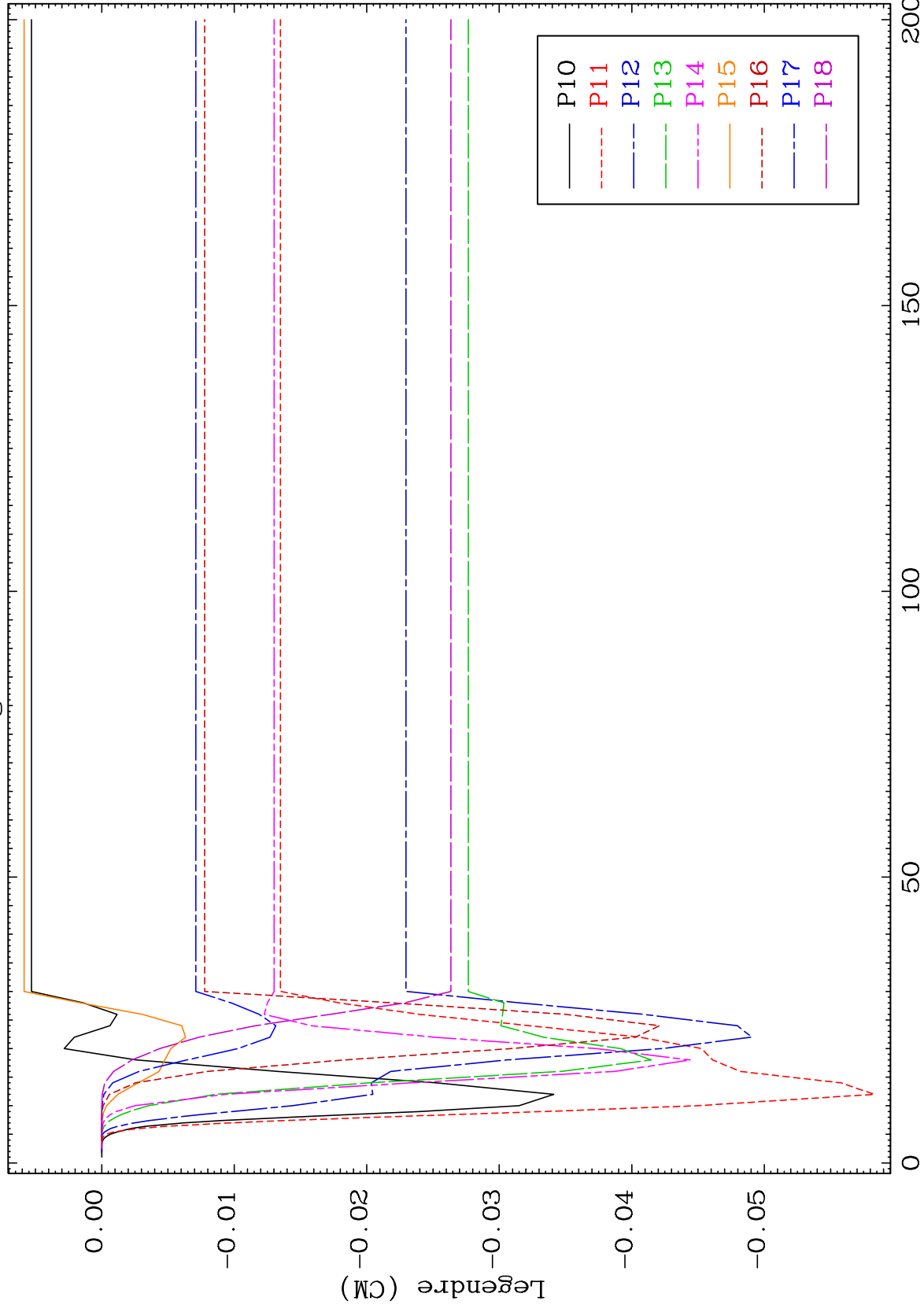
Incident Energy (MeV)

103

MAT 5731

57-La-140

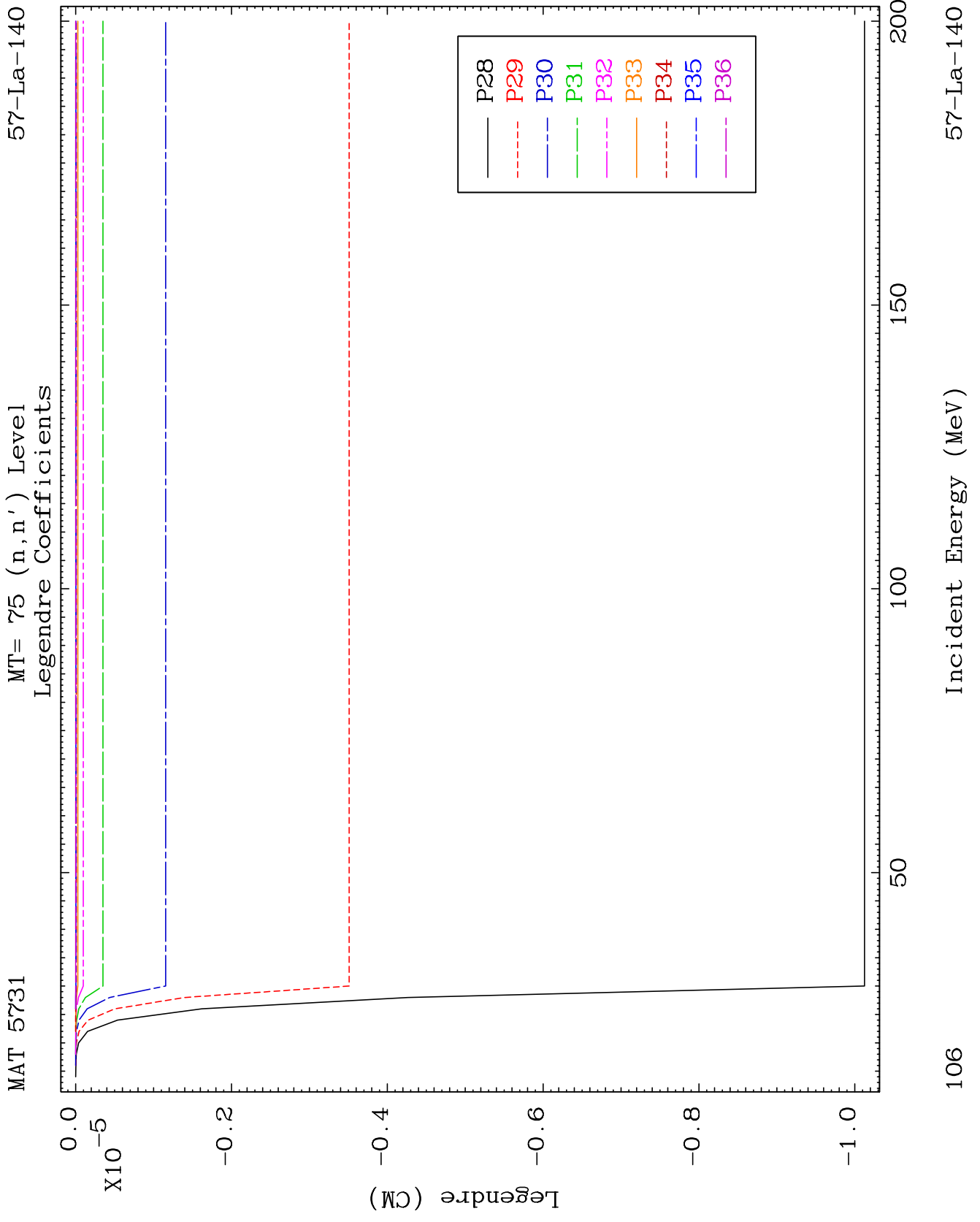
MT= 75 (n,n') Level
Legendre Coefficients



104

Incident Energy (MeV)

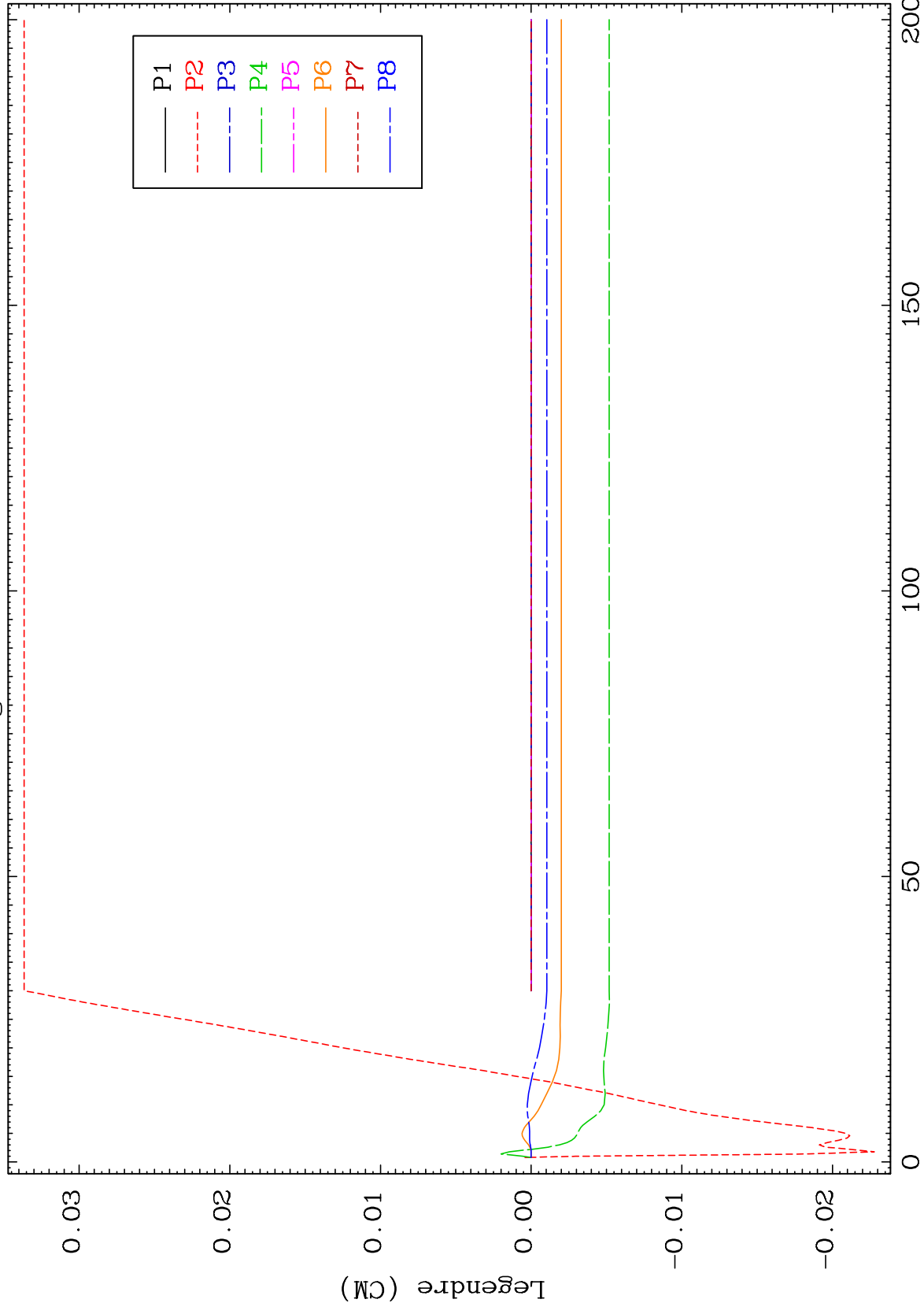
57-La-140



MAT 5731

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

57-La-140



57-La-140

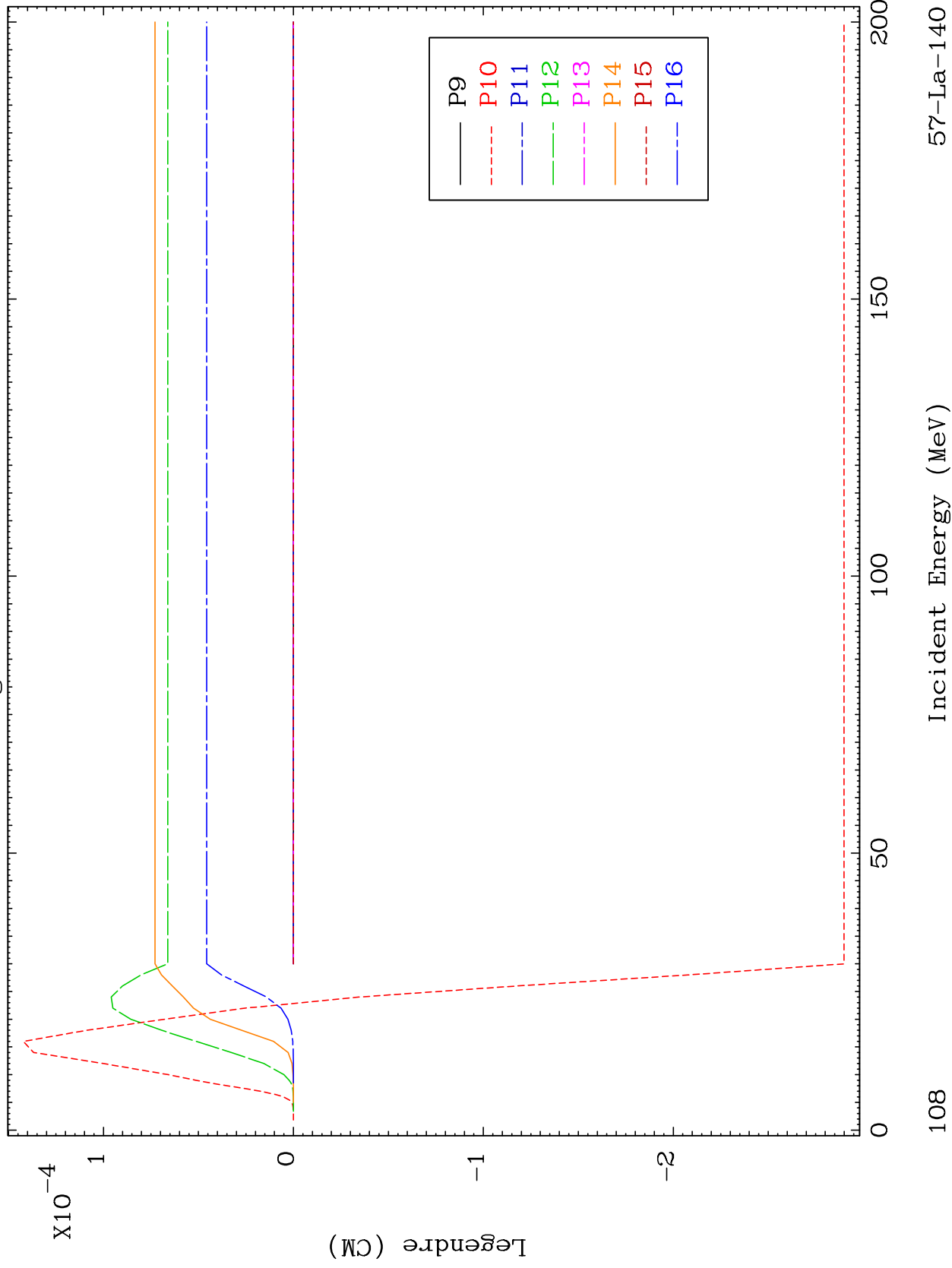
Incident Energy (MeV)

107

MAT 5731

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

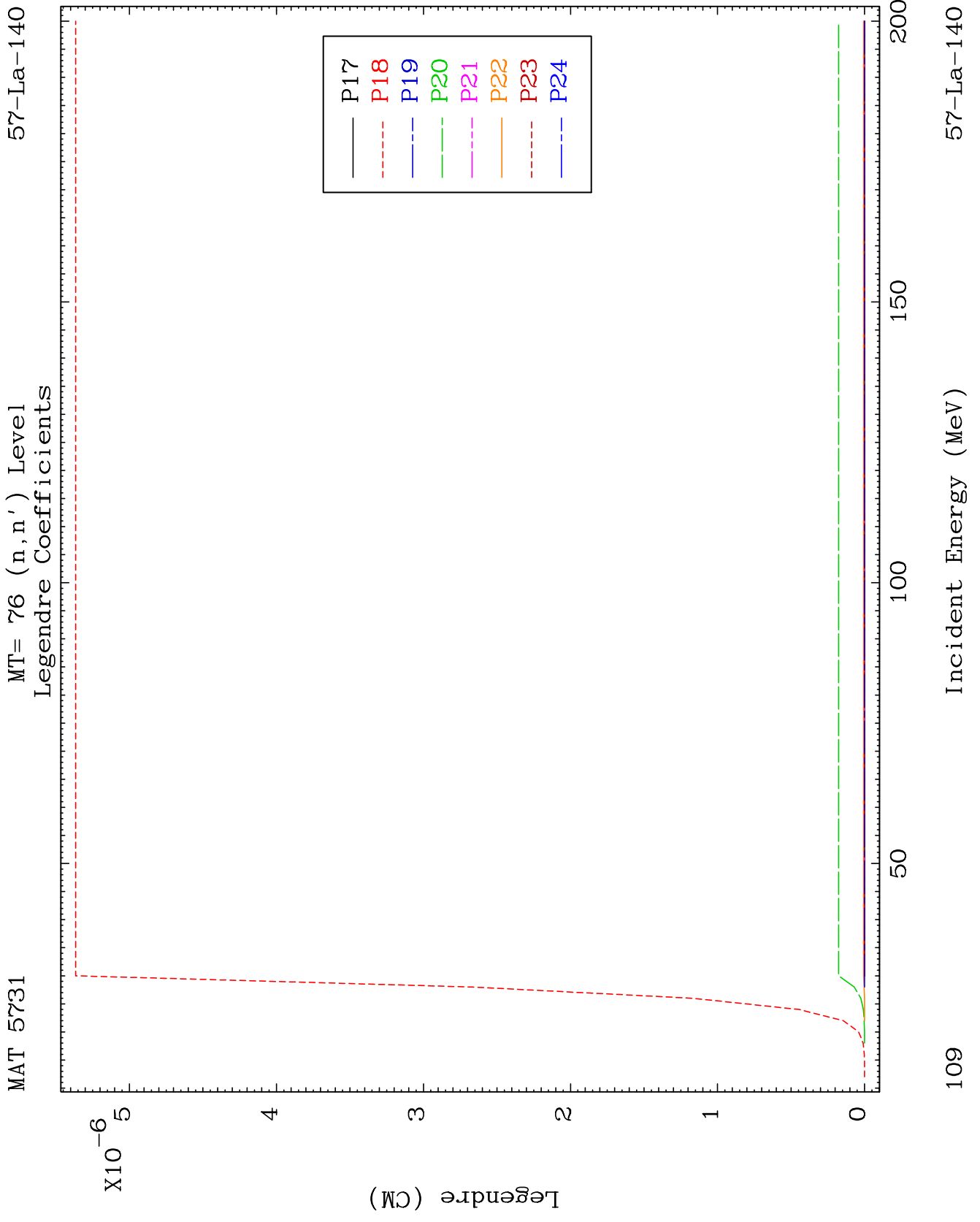
57-La-140



57-La-140

Incident Energy (MeV)

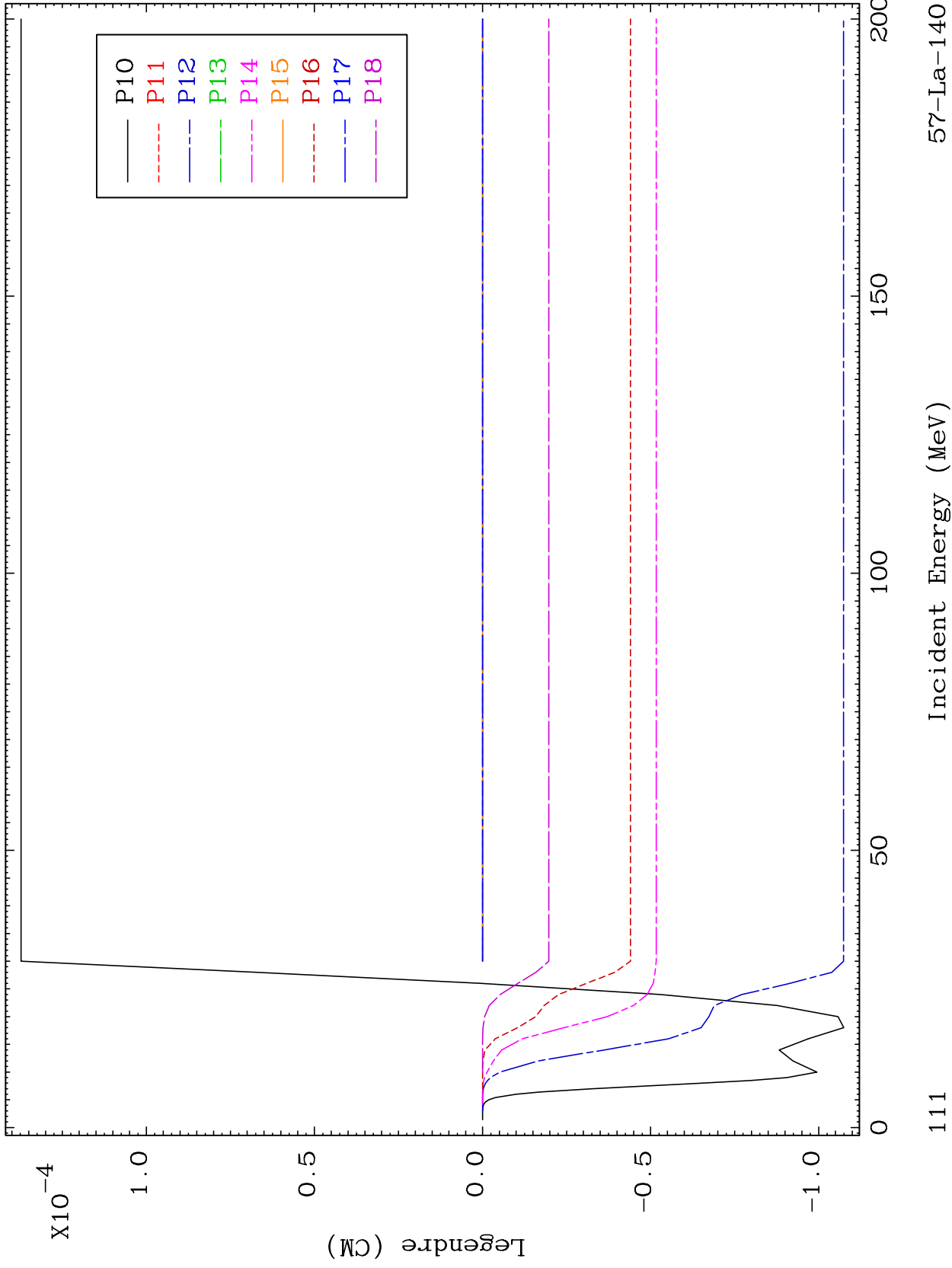
108

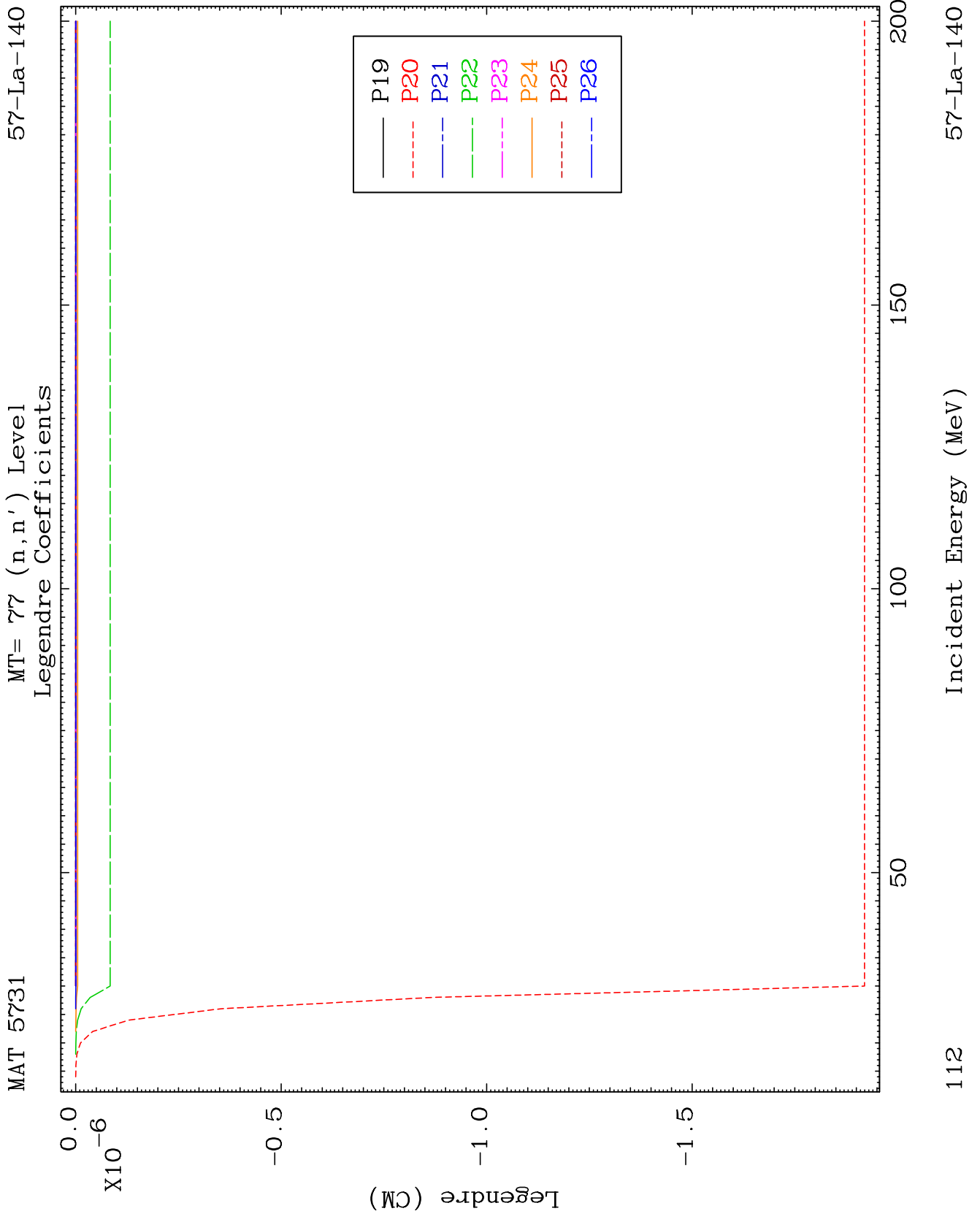


MAT 5731

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

57-La-140

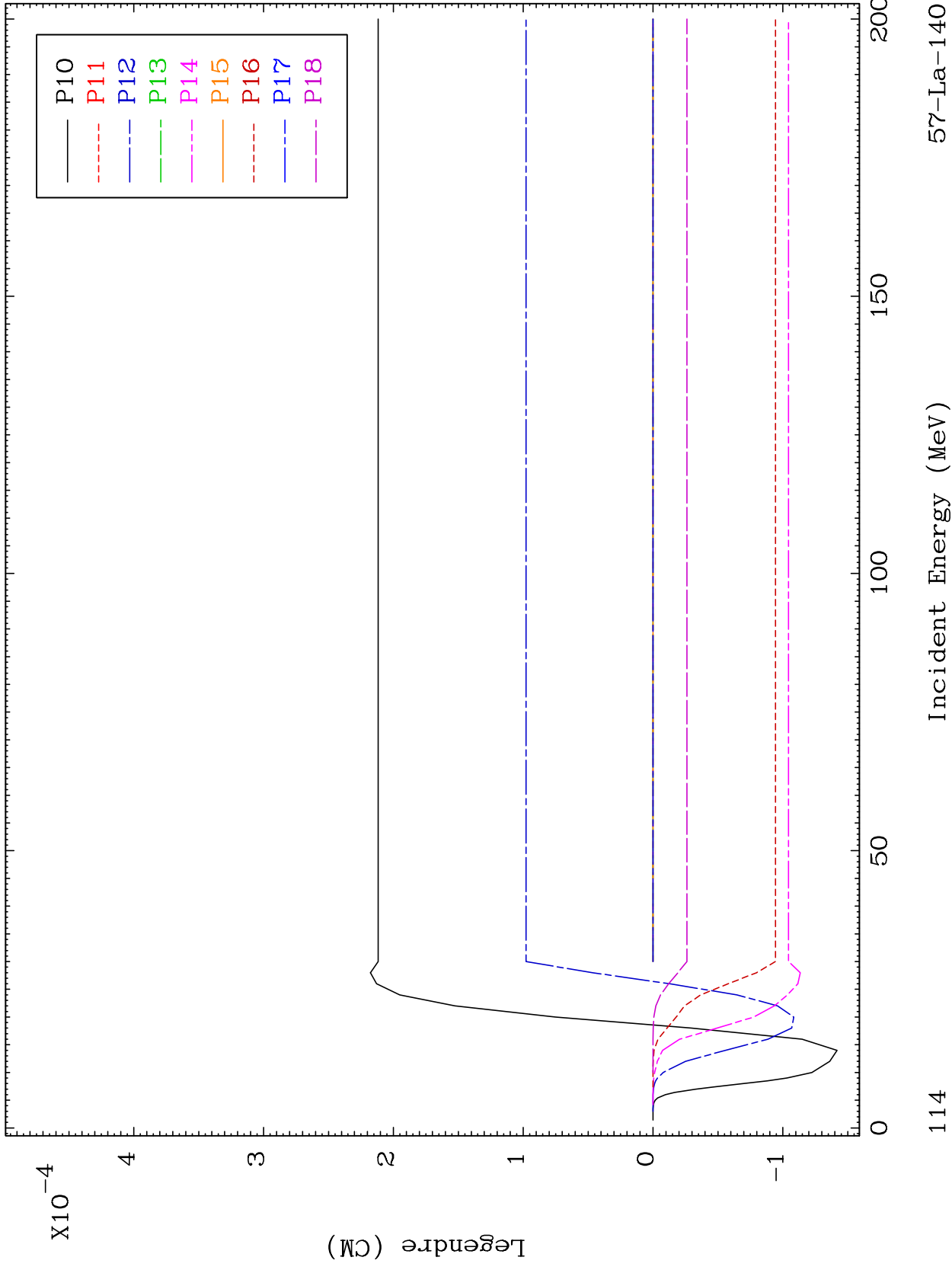




MAT 5731

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

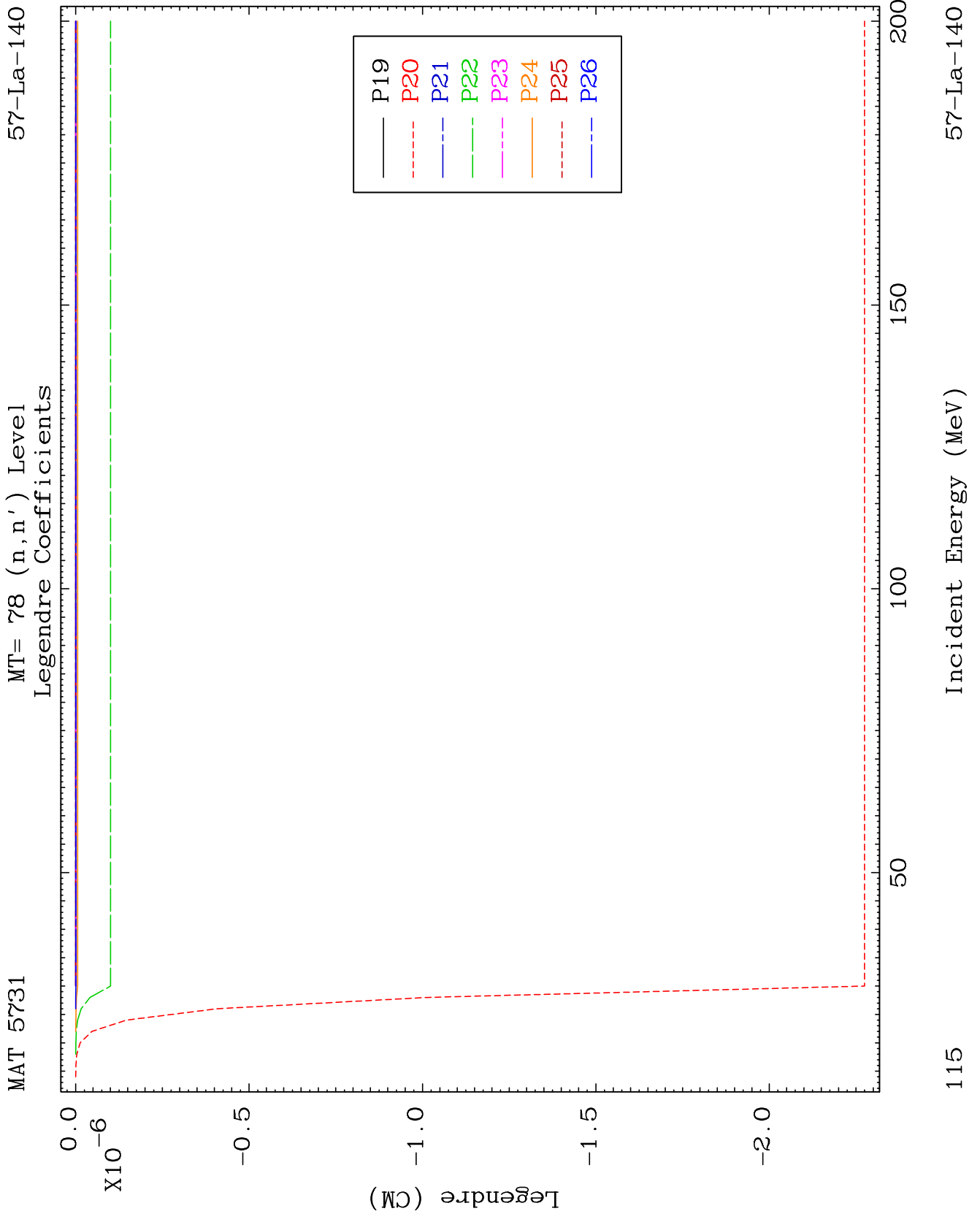
57-La-140



114

Incident Energy (MeV)

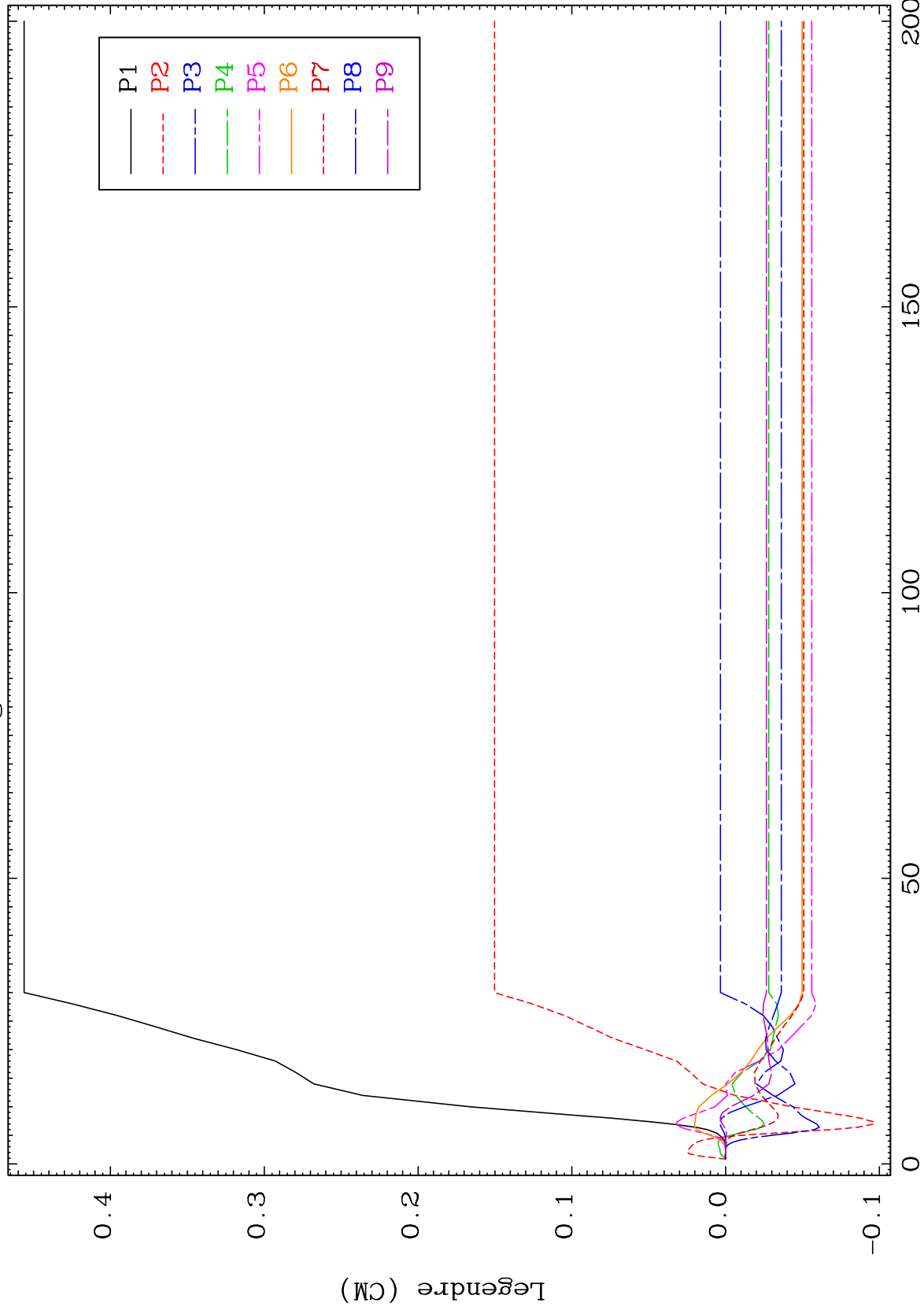
57-La-140



MAT 5731

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

57-La-140



57-La-140

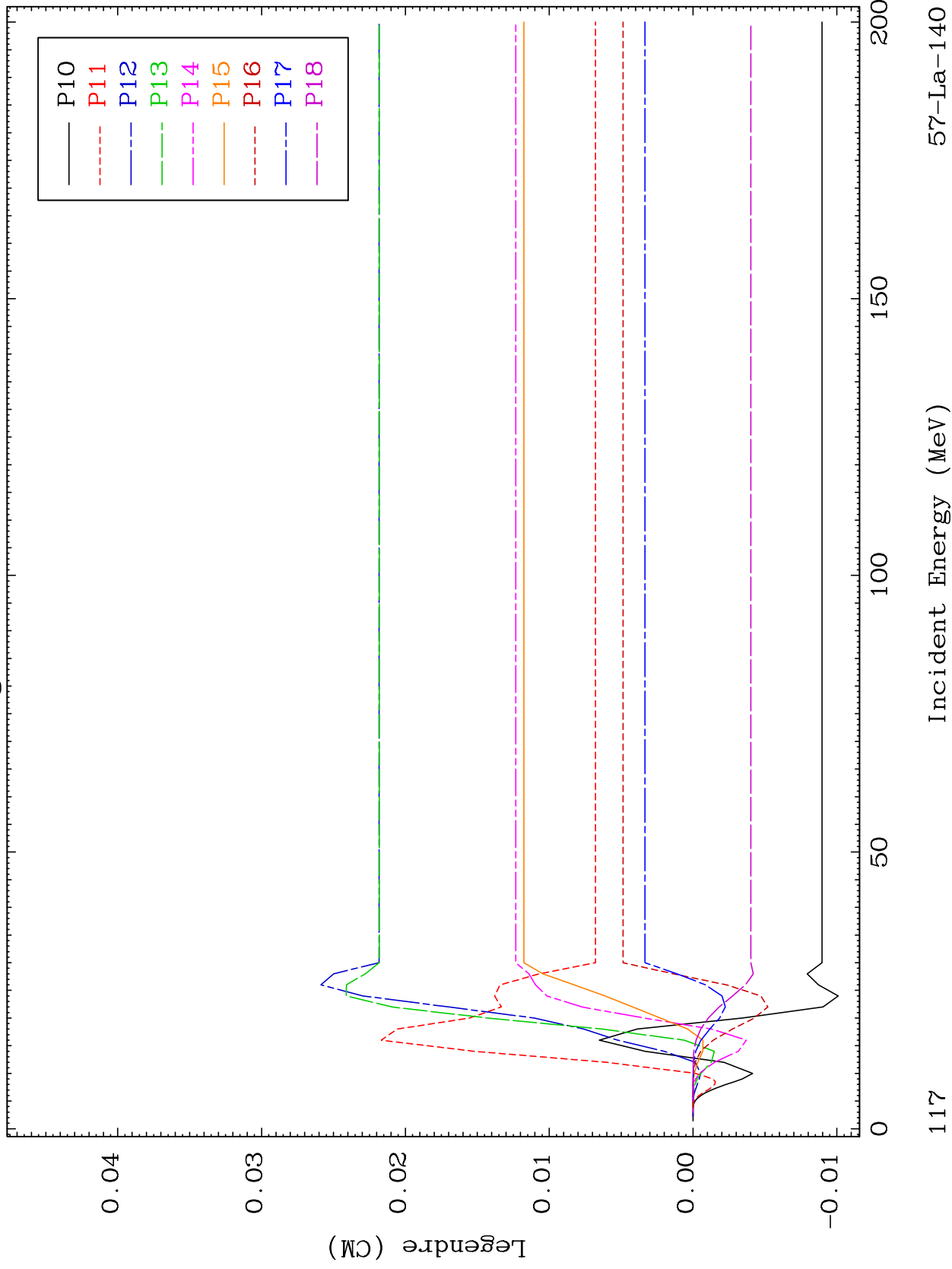
Incident Energy (MeV)

116

MAT 5731

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

57-La-140



117

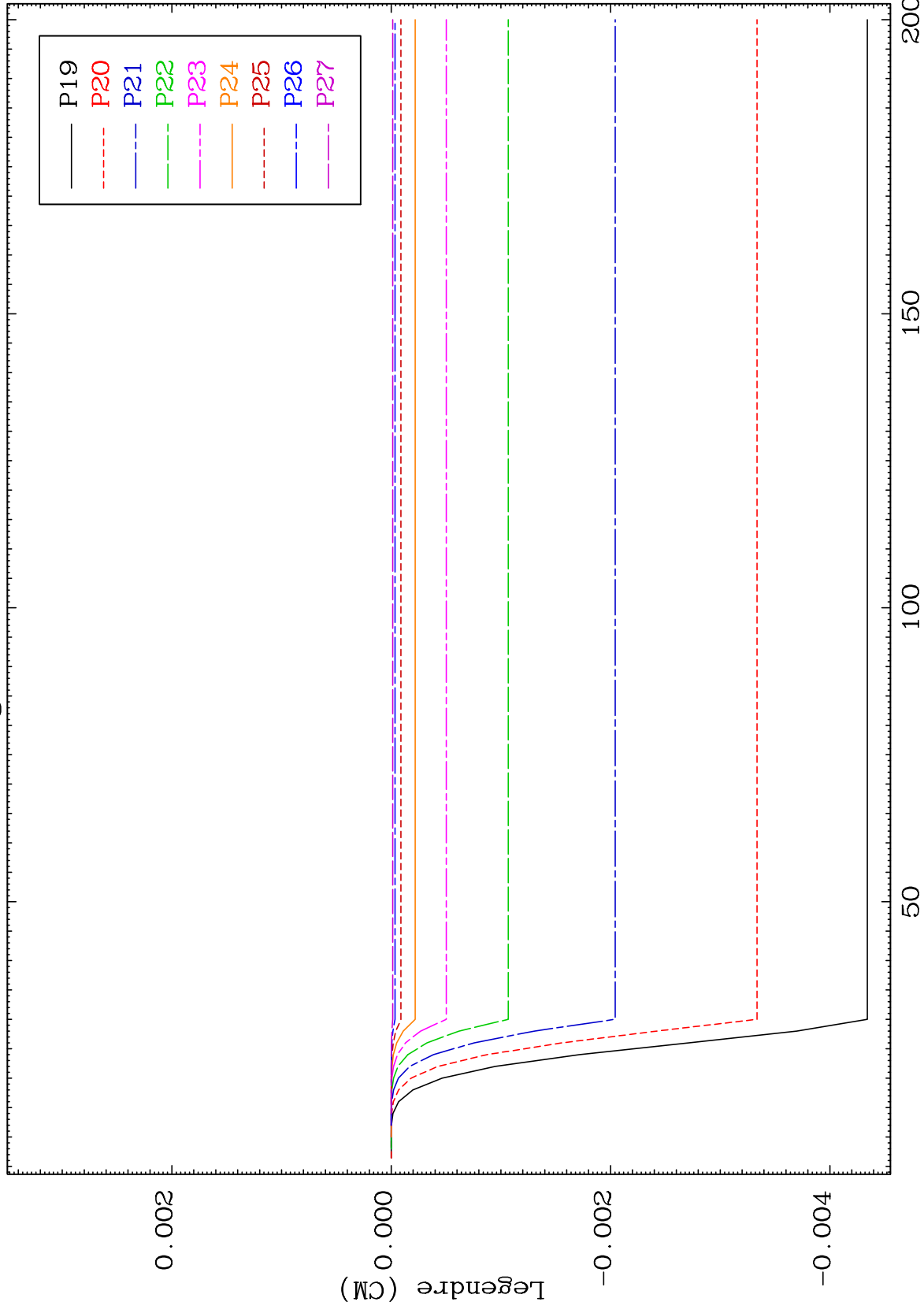
Incident Energy (MeV)

57-La-140

MAT 5731

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

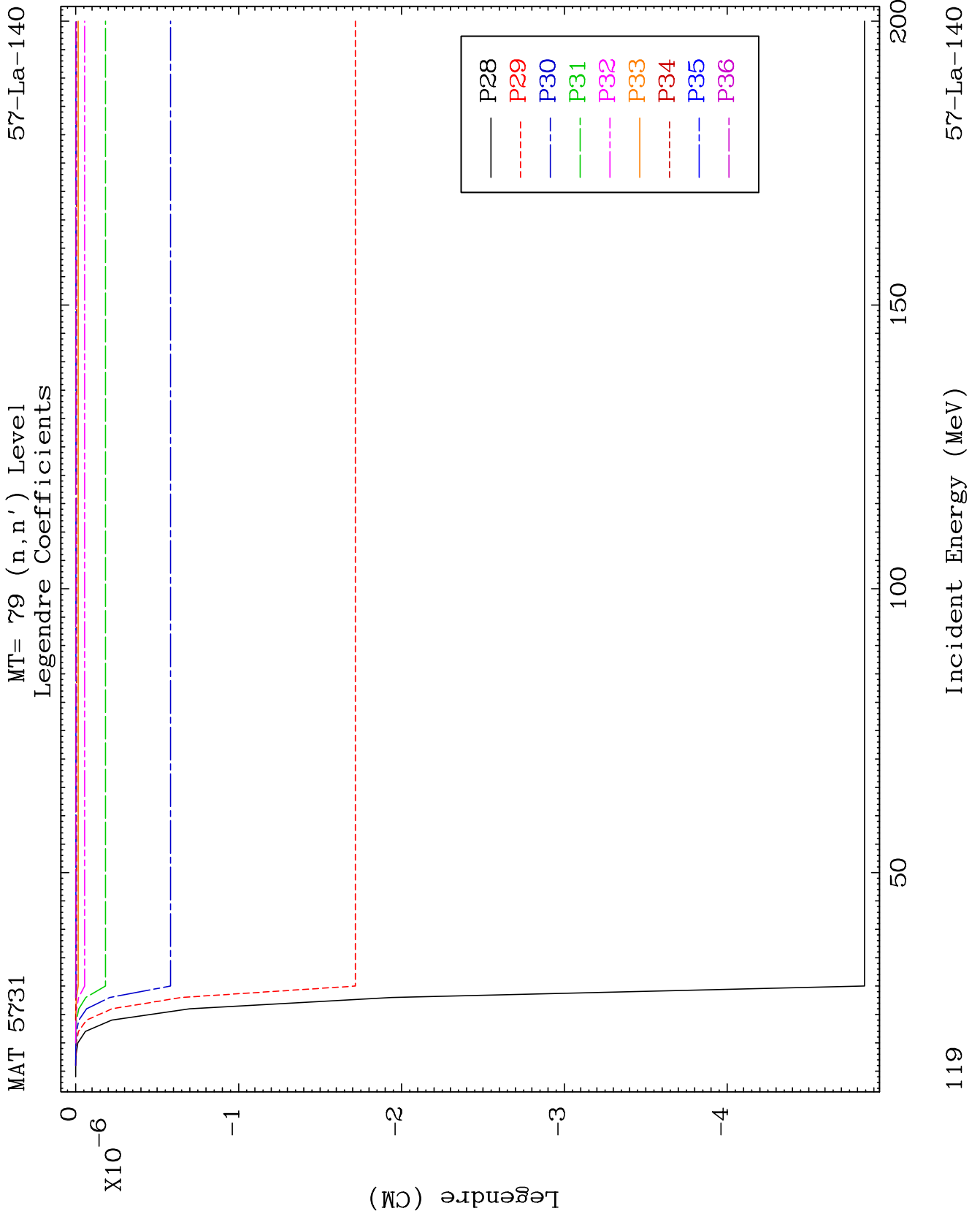
57-La-140

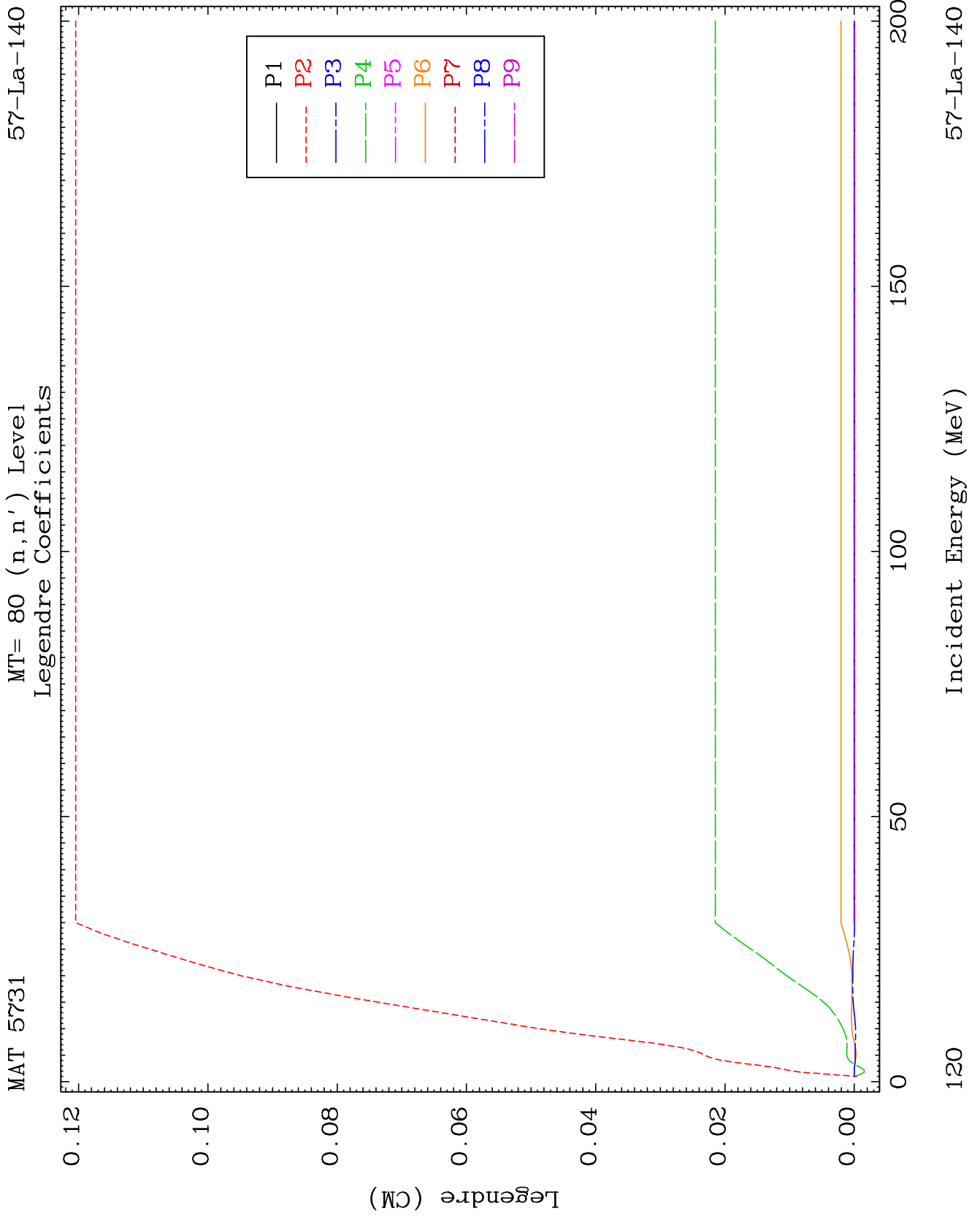


118

Incident Energy (MeV)

57-La-140

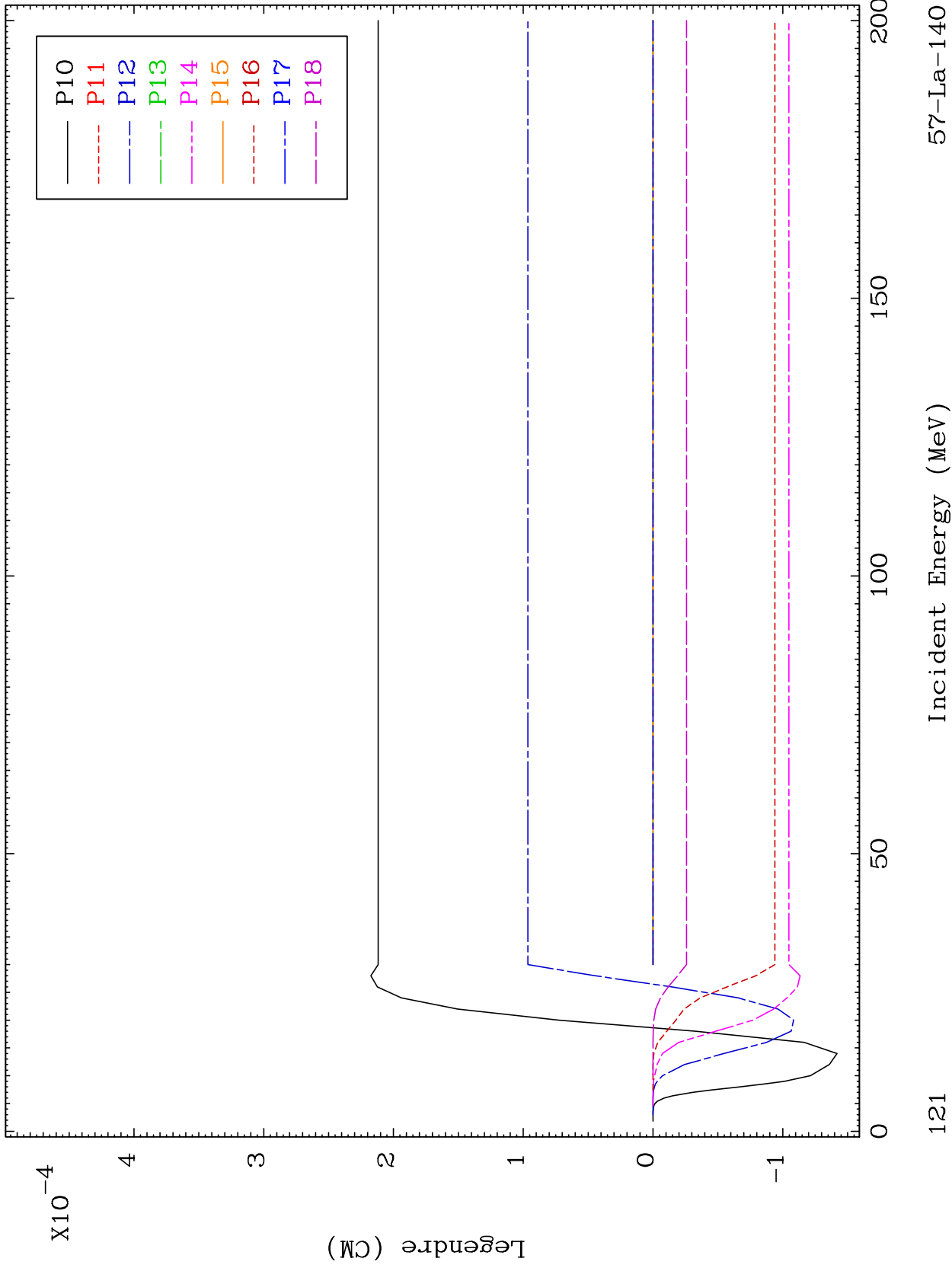




MAT 5731

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

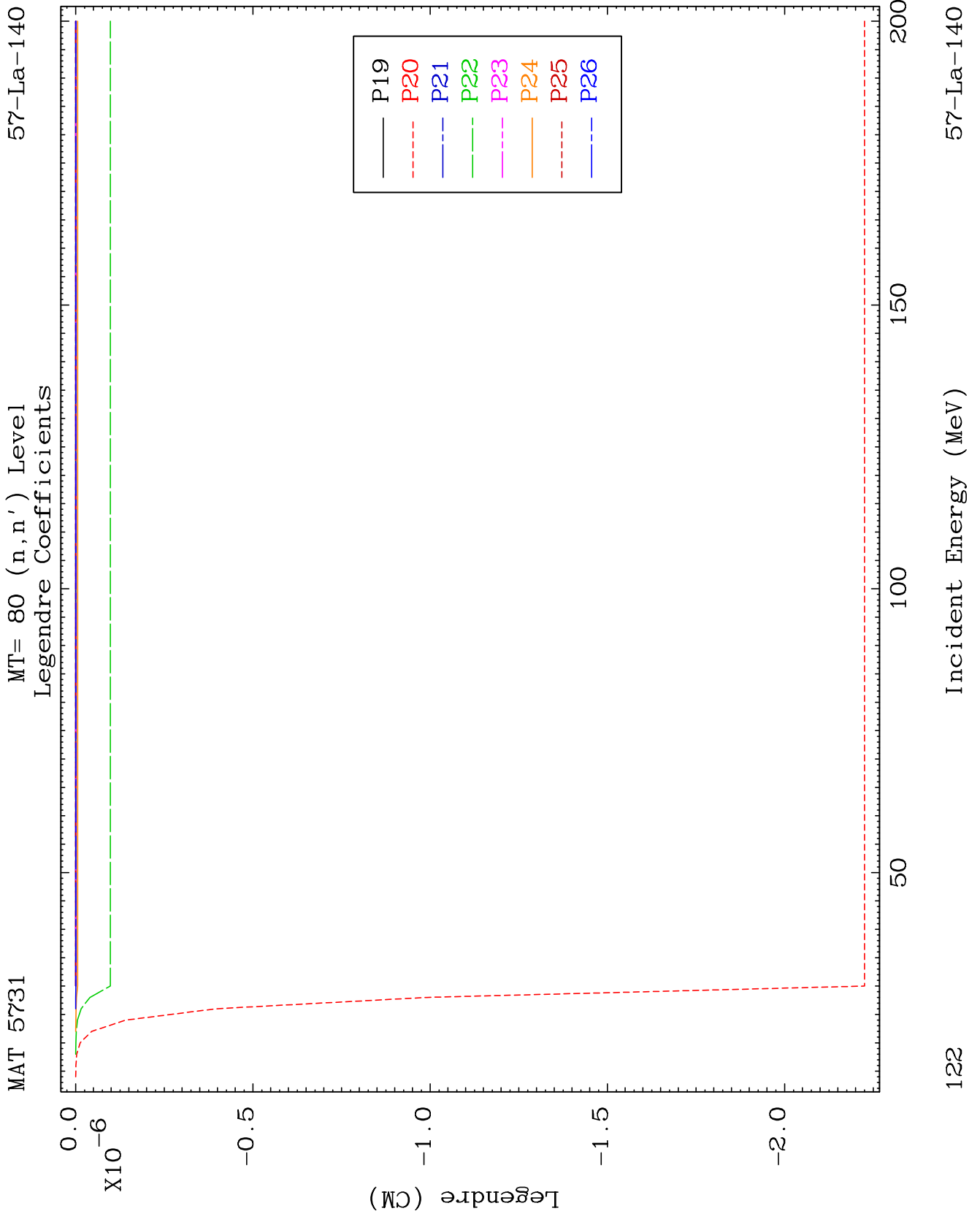
57-La-140



57-La-140

Incident Energy (MeV)

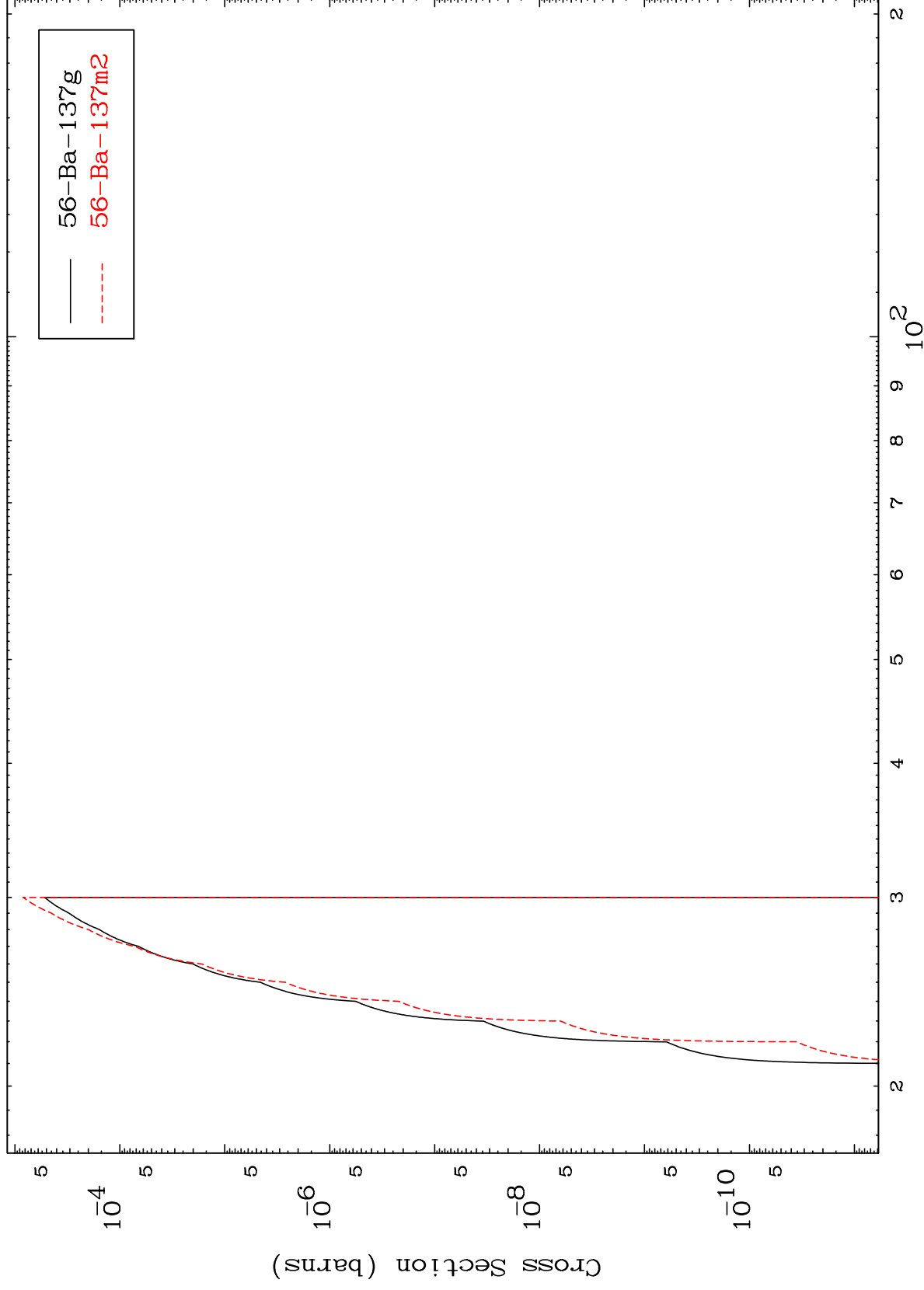
121



MAT 5731

57-La-140

(n,2n) d
Radionuclide Production Cross Section



123

Incident Energy (MeV)

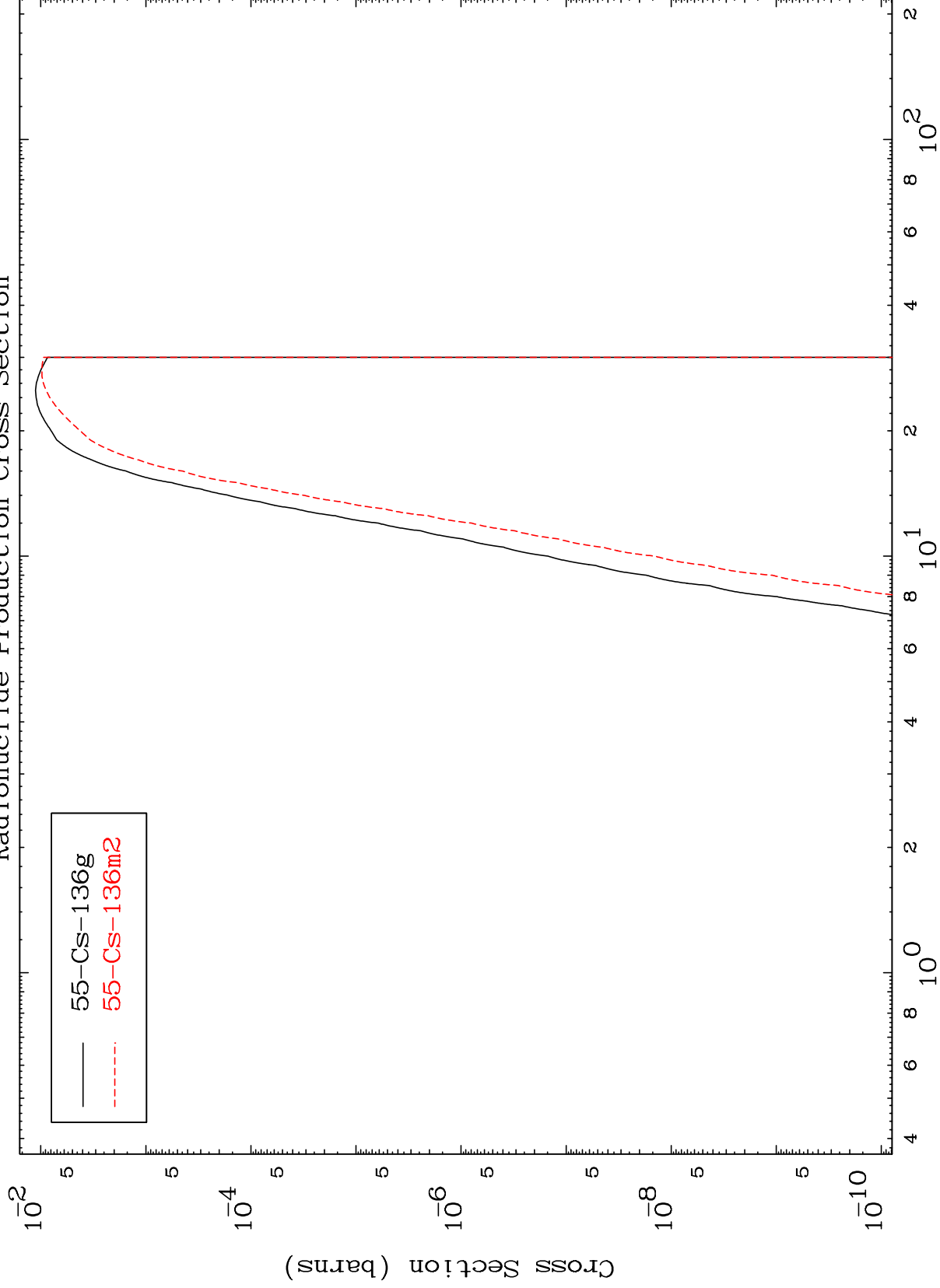
57-La-140

MAT 5731

$(n, n') \alpha$

57-La-140

Radionuclide Production Cross Section



124

Incident Energy (MeV)

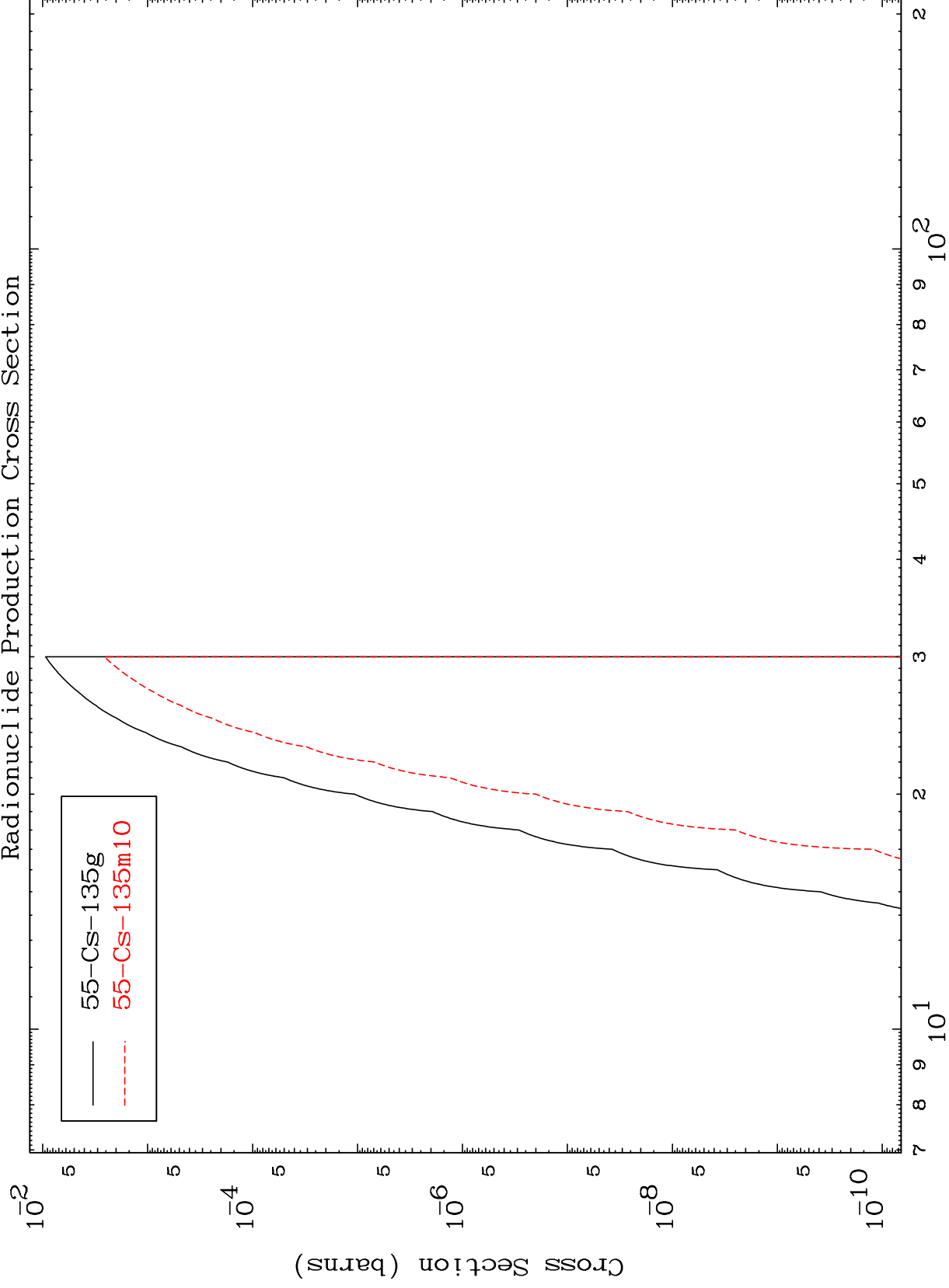
57-La-140

MAT 5731

57-La-140

(n,2n) α

Radionuclide Production Cross Section



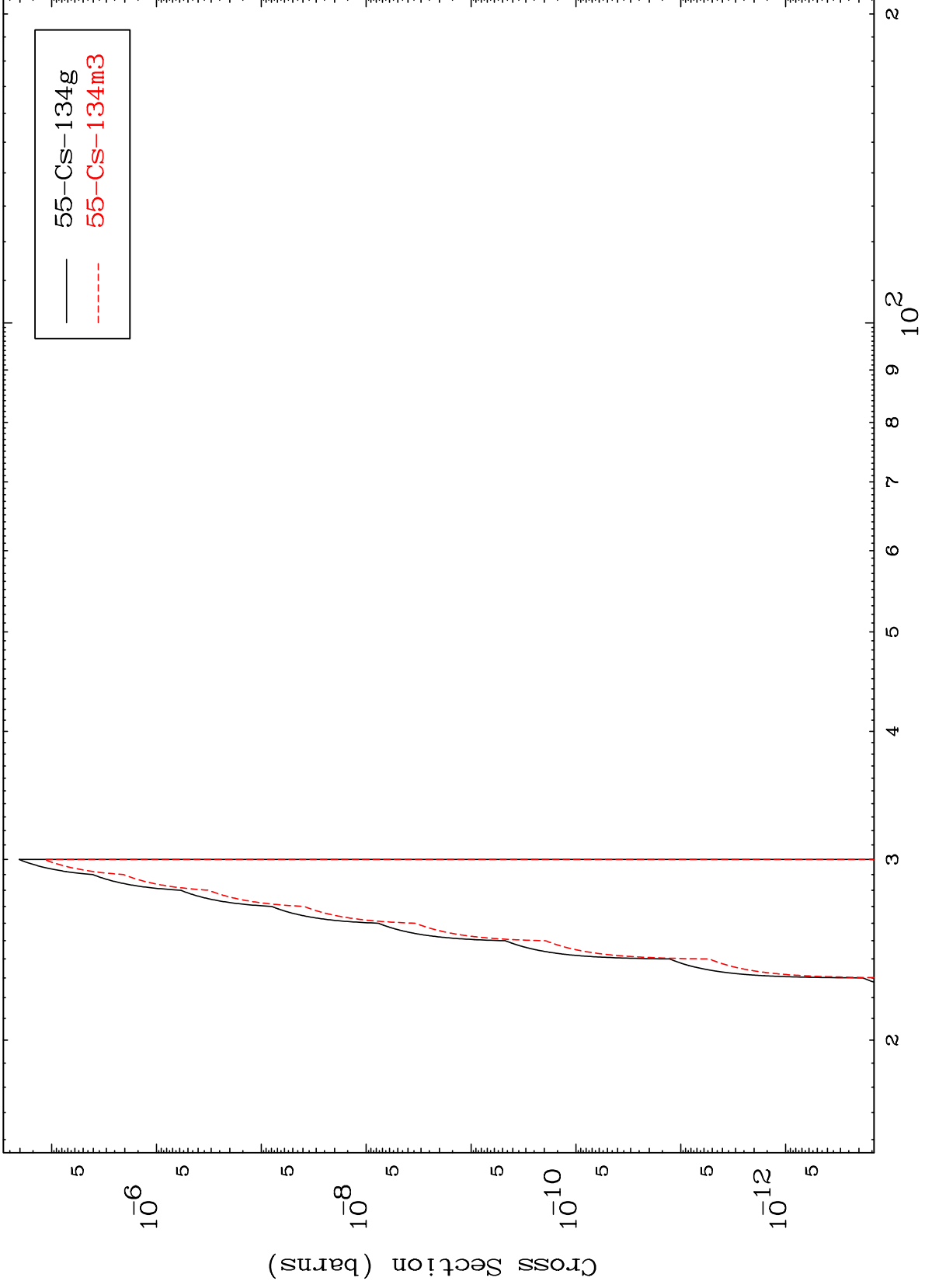
125

Incident Energy (MeV)

57-La-140

(n,3n) α

Radionuclide Production Cross Section

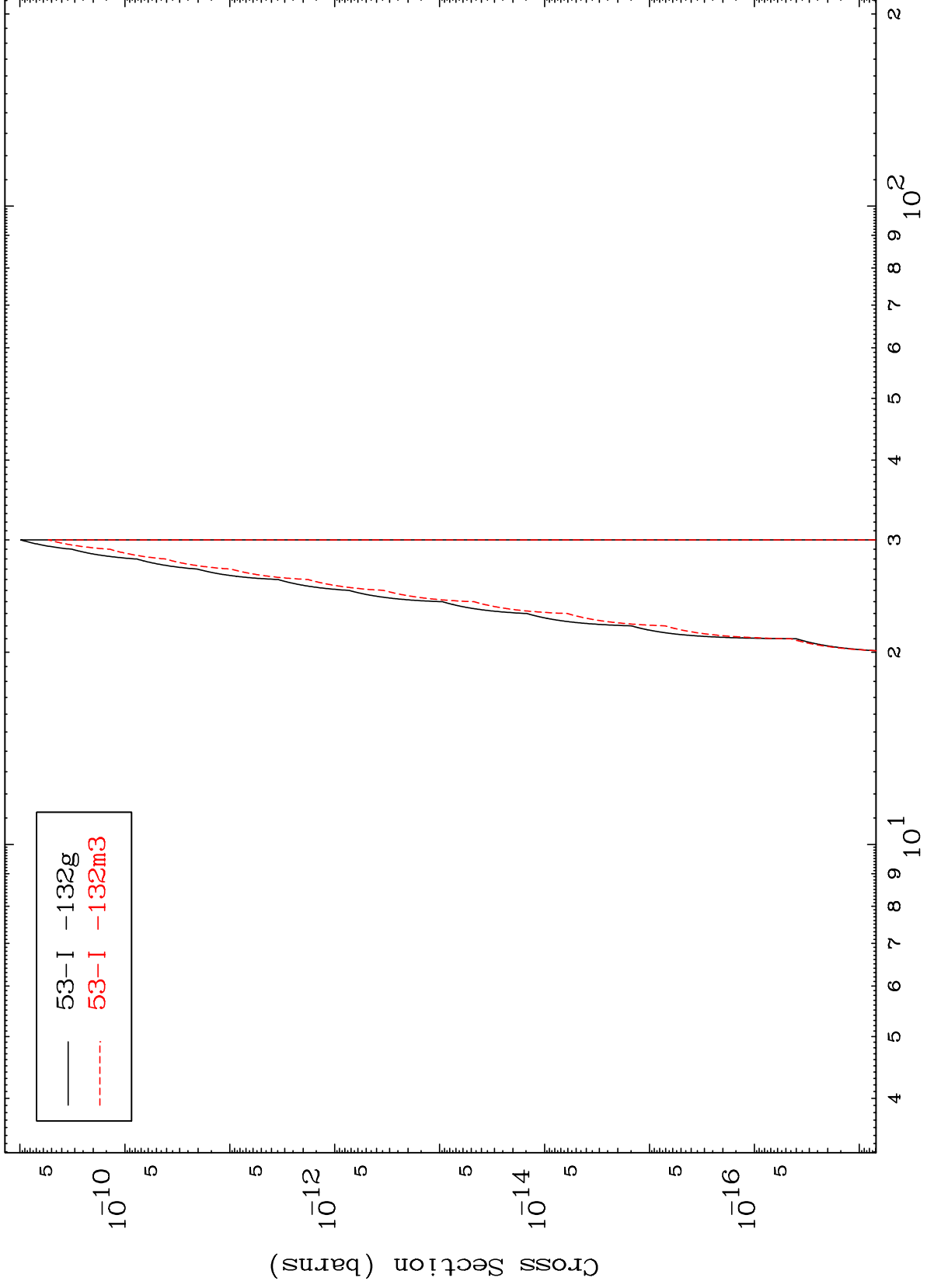


MAT 5731

(n,n') 2α

57-La-140

Radionuclide Production Cross Section



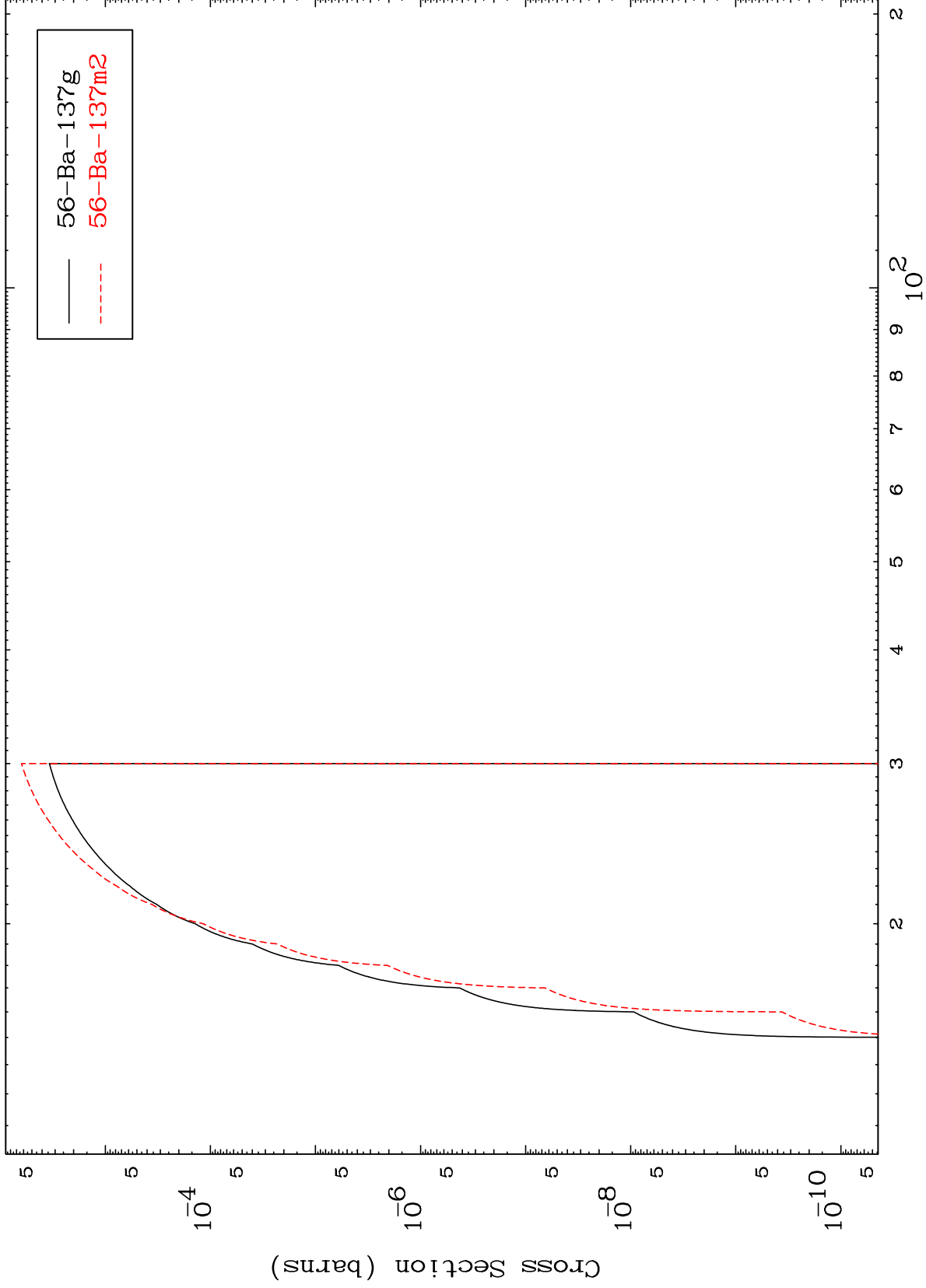
53-I -132g
53-I -132m3

127

Incident Energy (MeV)

57-La-140

Radionuclide Production Cross Section

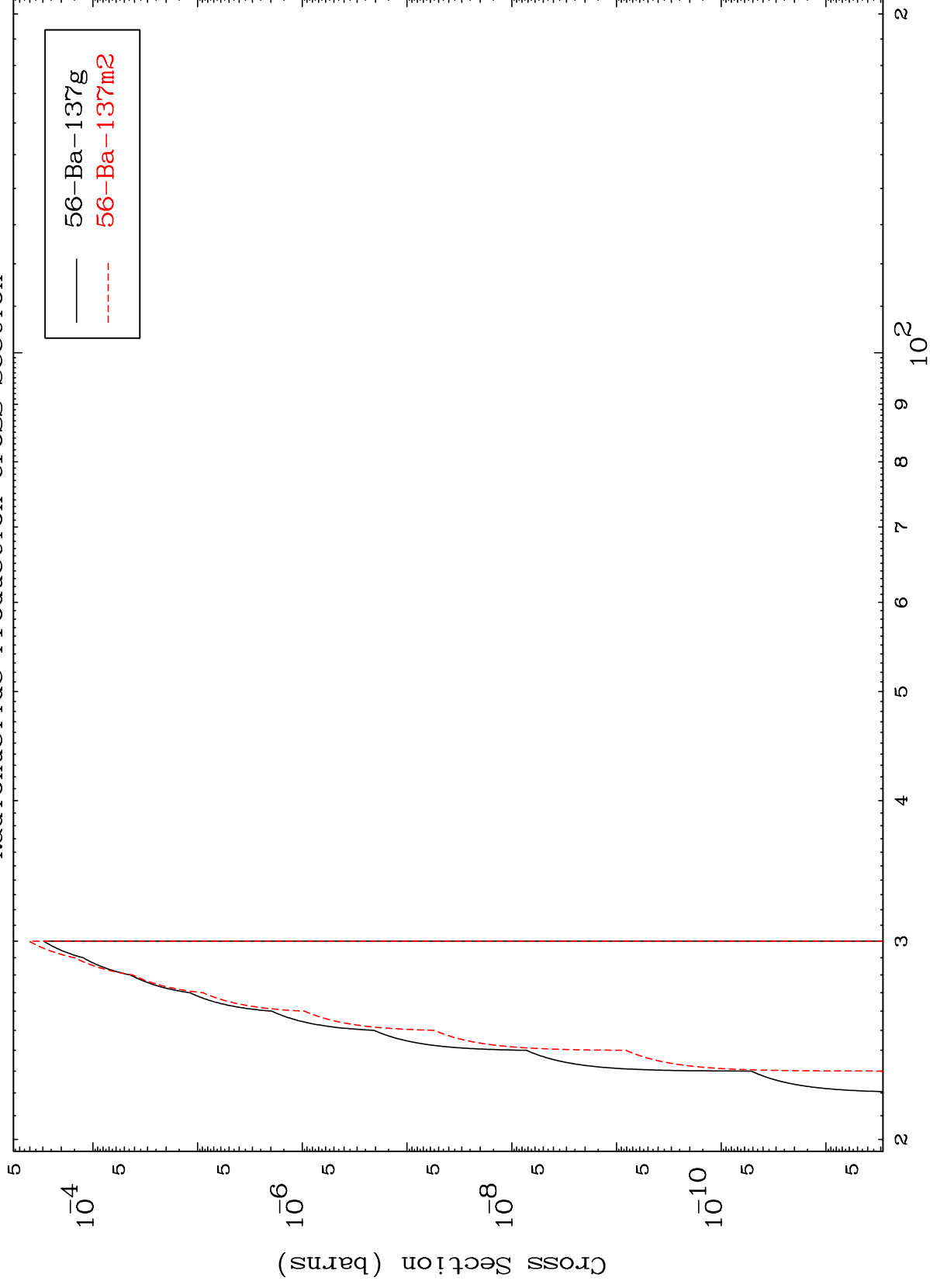


MAT 5731

(n,3n) p

57-La-140

Radionuclide Production Cross Section



129

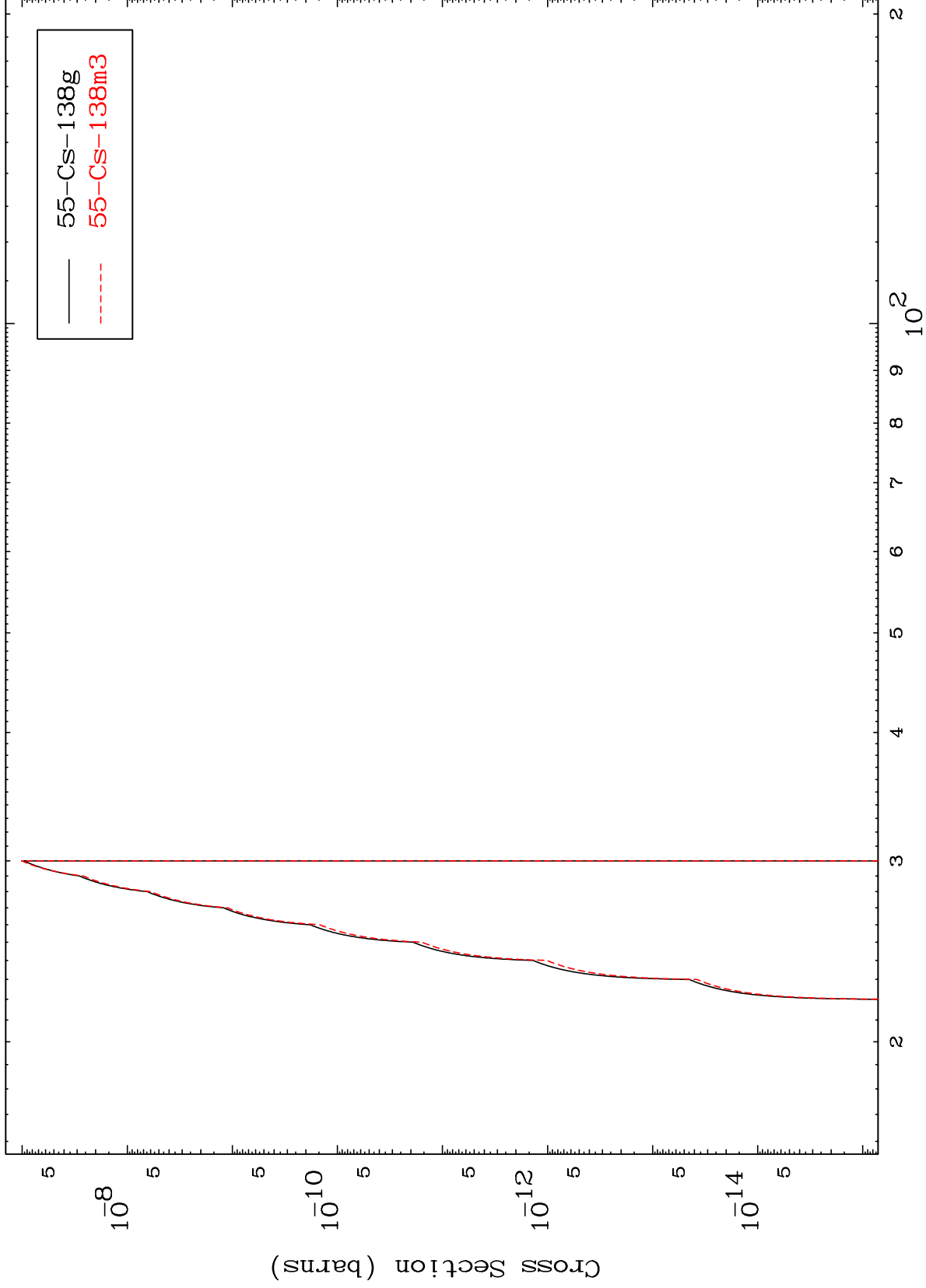
Incident Energy (MeV)

57-La-140

MAT 5731

57-La-140

(n,2n) p
Radionuclide Production Cross Section



130

Incident Energy (MeV)

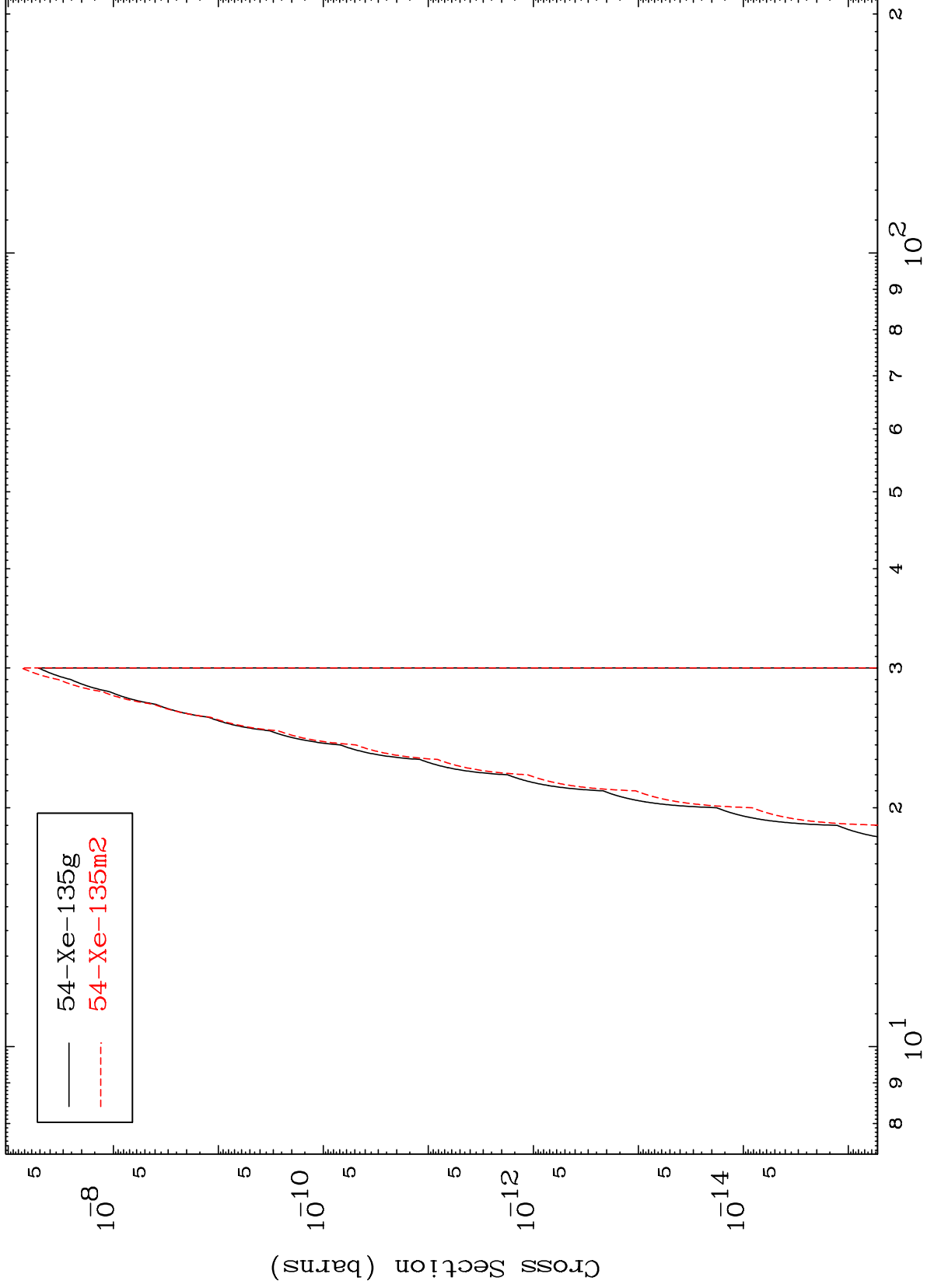
57-La-140

MAT 5731

(n,n') p α

57-La-140

Radionuclide Production Cross Section

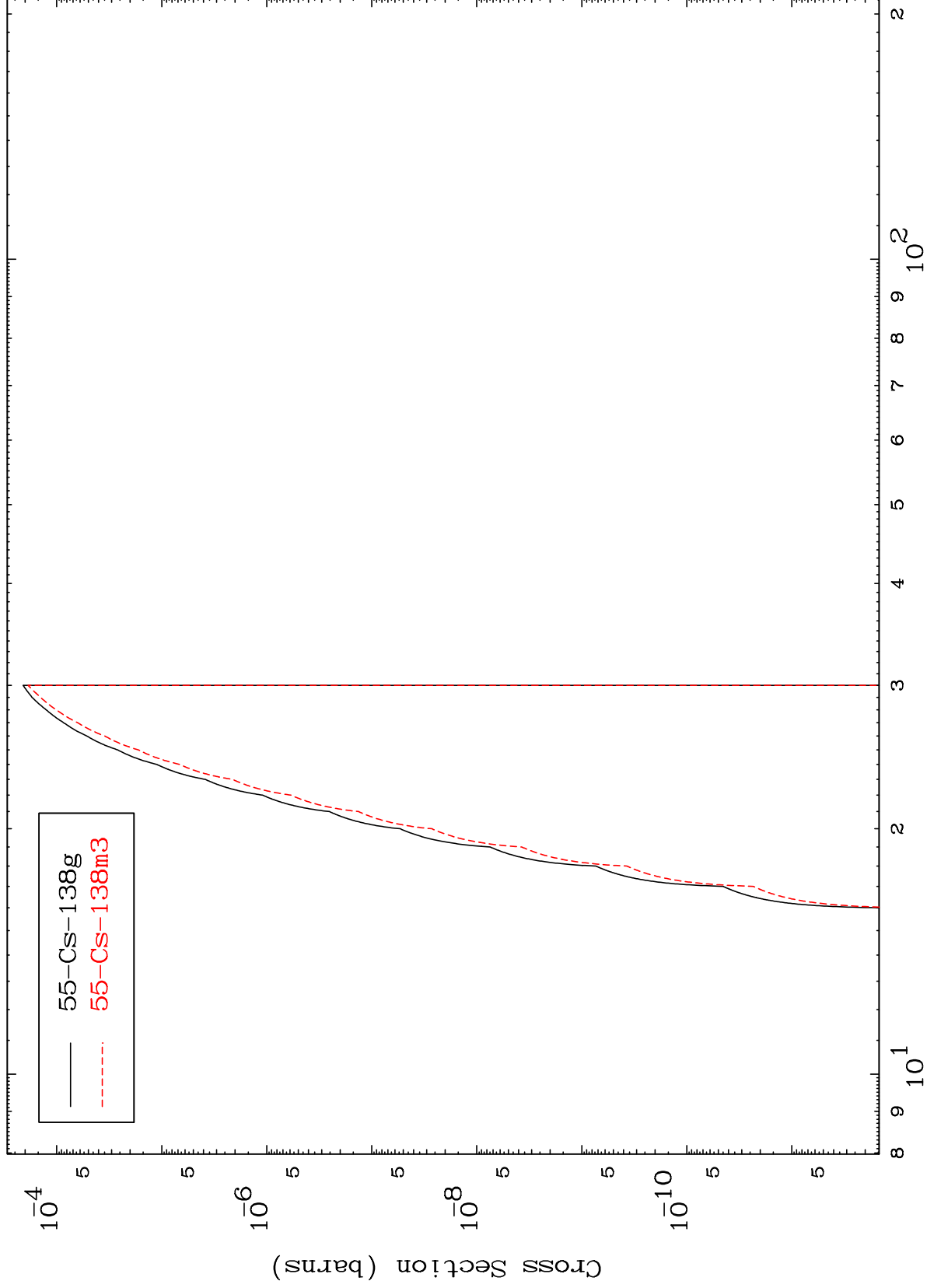


MAT 5731

(n,He-3)

57-La-140

Radionuclide Production Cross Section



55-Cs-138g
55-Cs-138m3

132

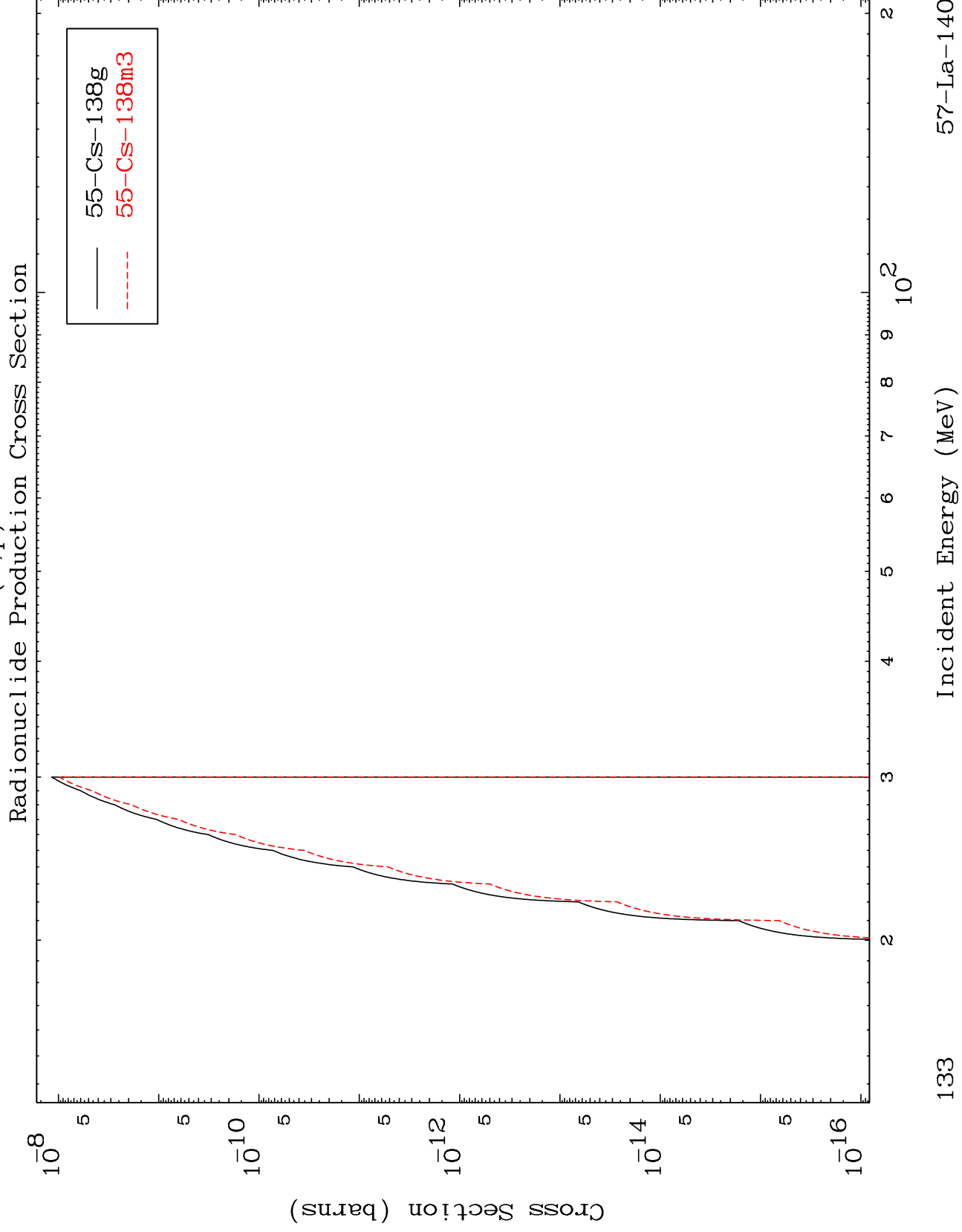
Incident Energy (MeV)

57-La-140

MAT 5731

(n,p) d

57-La-140



133

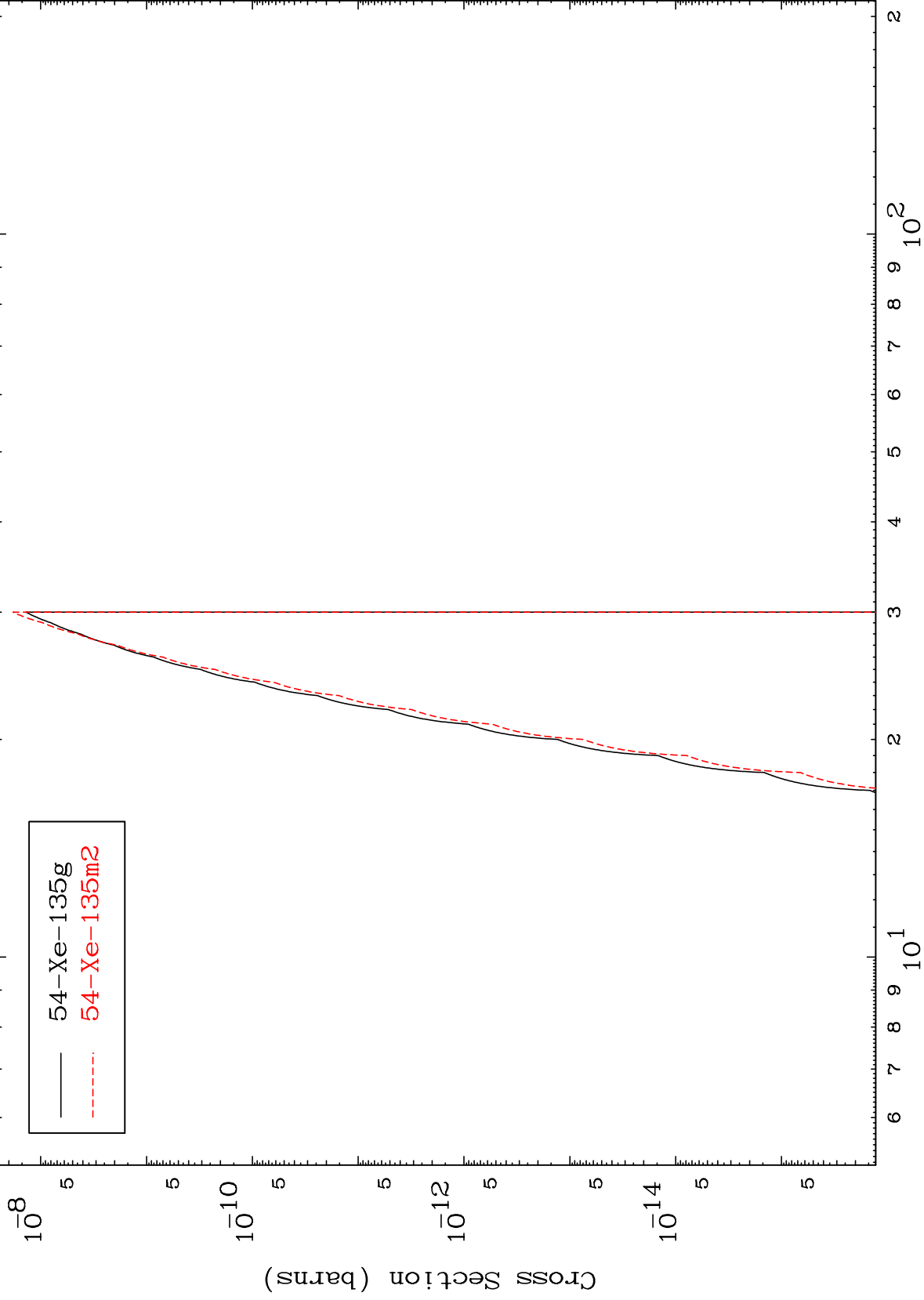
57-La-140

MAT 5731

(n,d) α

57-La-140

Radionuclide Production Cross Section



134

Incident Energy (MeV)

57-La-140