

Program EVALPLOT  
(Version 2021-1)

by

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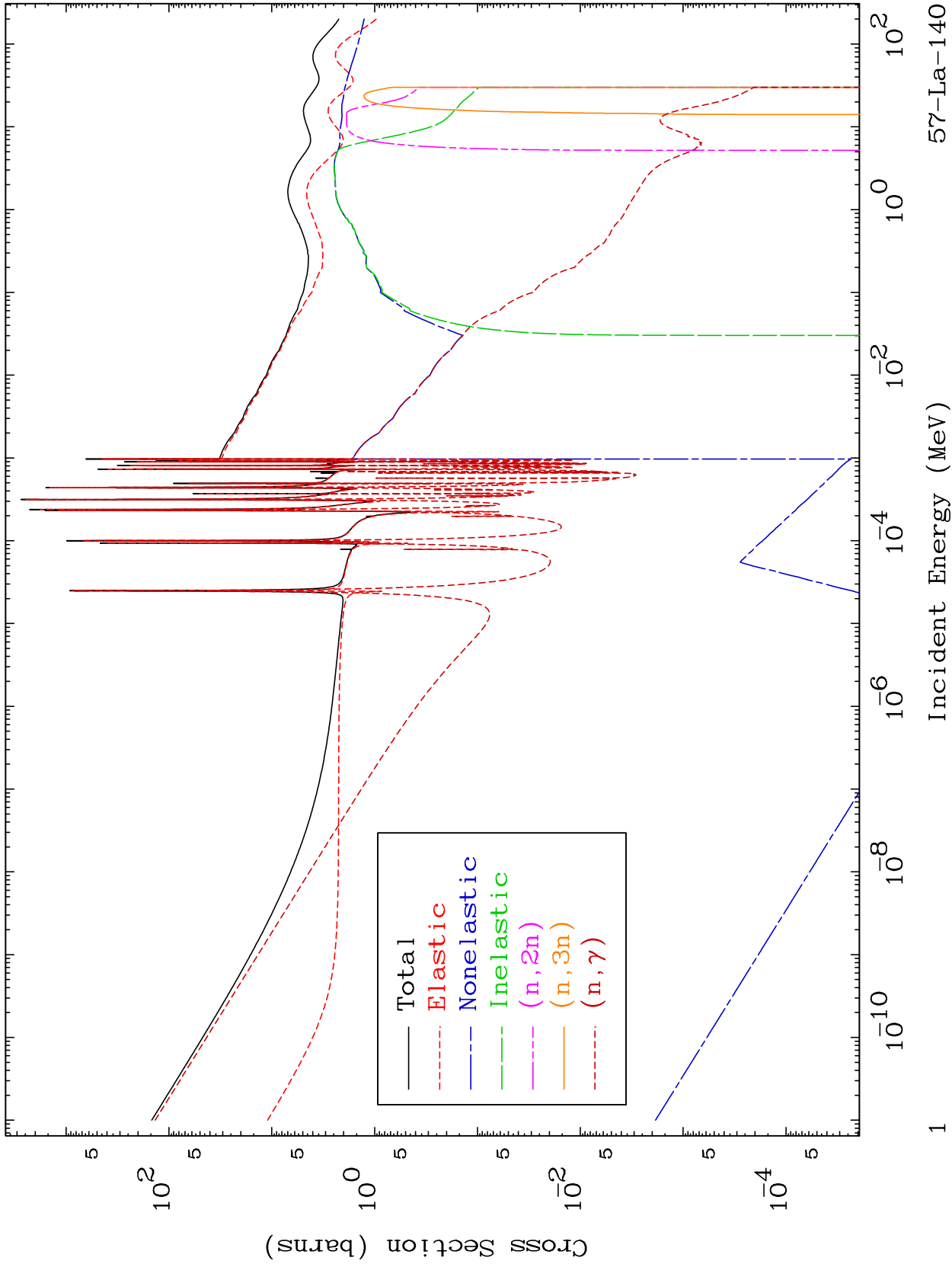
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Press Mouse Button to Start

MAT 5731

Neutron Major  
293 Kelvin Cross Sections

57-La-140

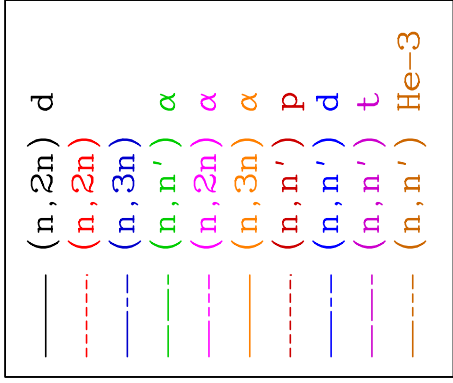
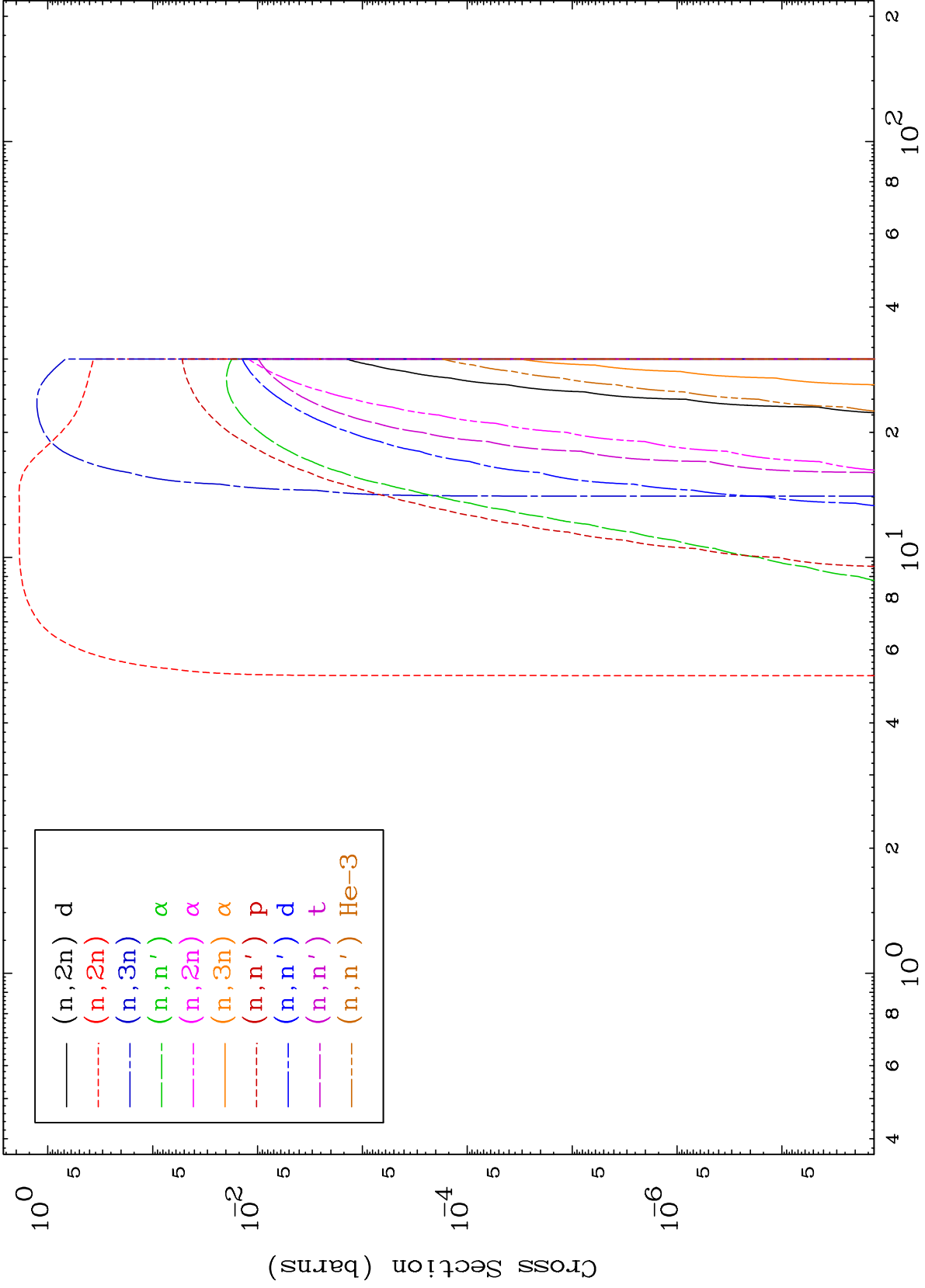


MAT 5731

Neutron Absorption

57-La-140

293 Kelvin Cross Sections



2

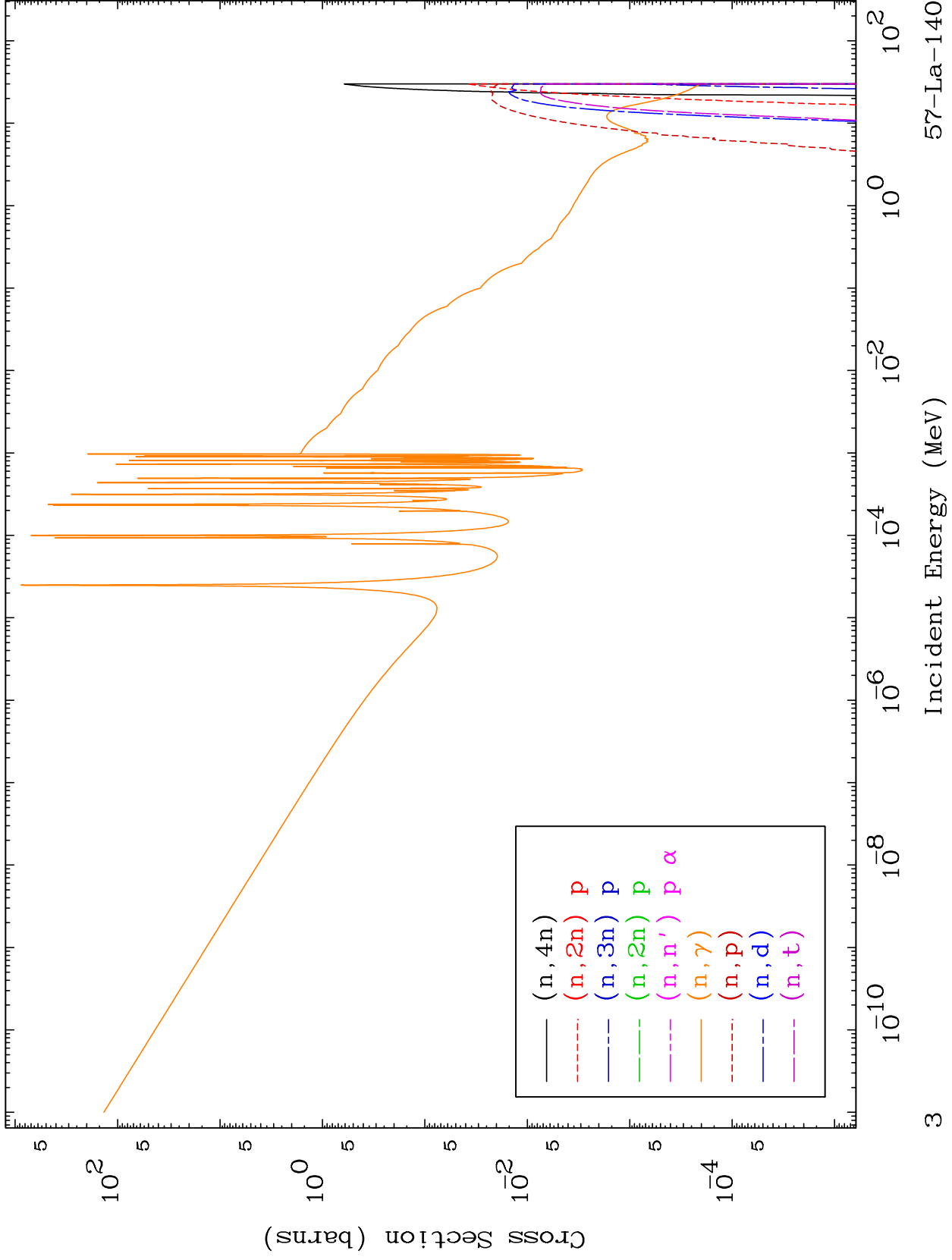
Incident Energy (MeV)

57-La-140

MAT 5731

Neutron Absorption  
293 Kelvin Cross Sections

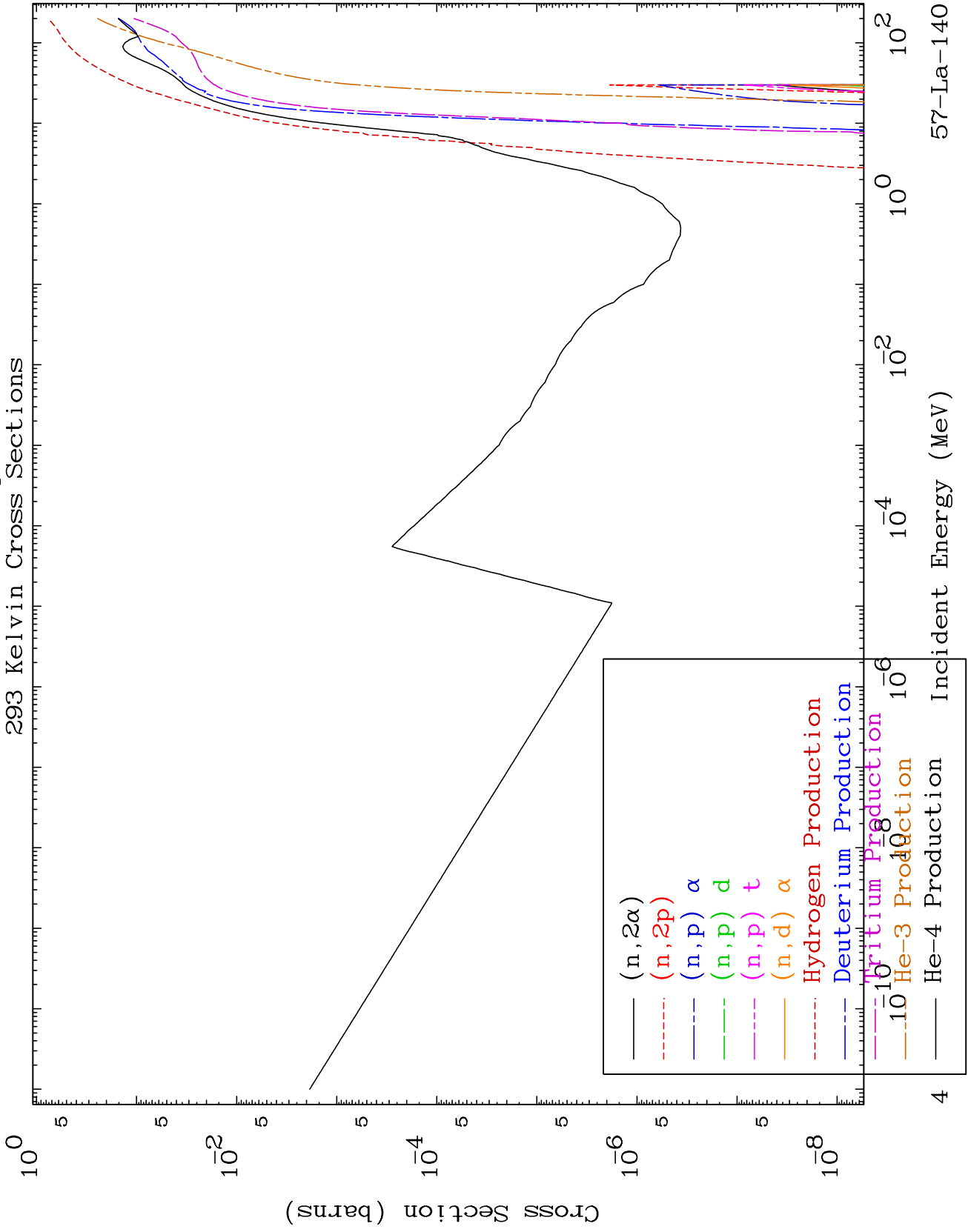
57-La-140



MAT 5731

Neutron Absorption  
293 Kelvin Cross Sections

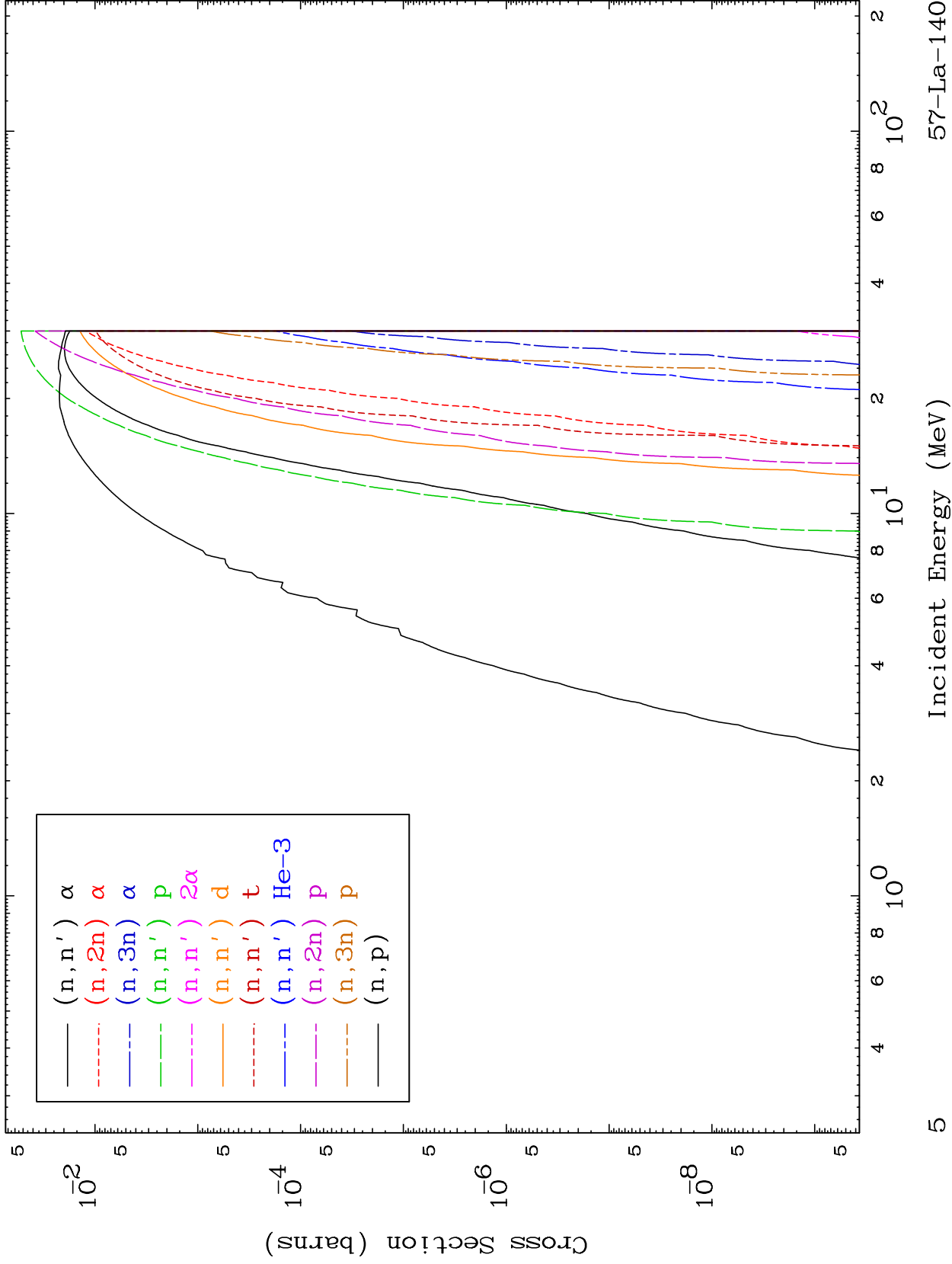
57-La-140



57-La-140

Incident Energy (MeV)

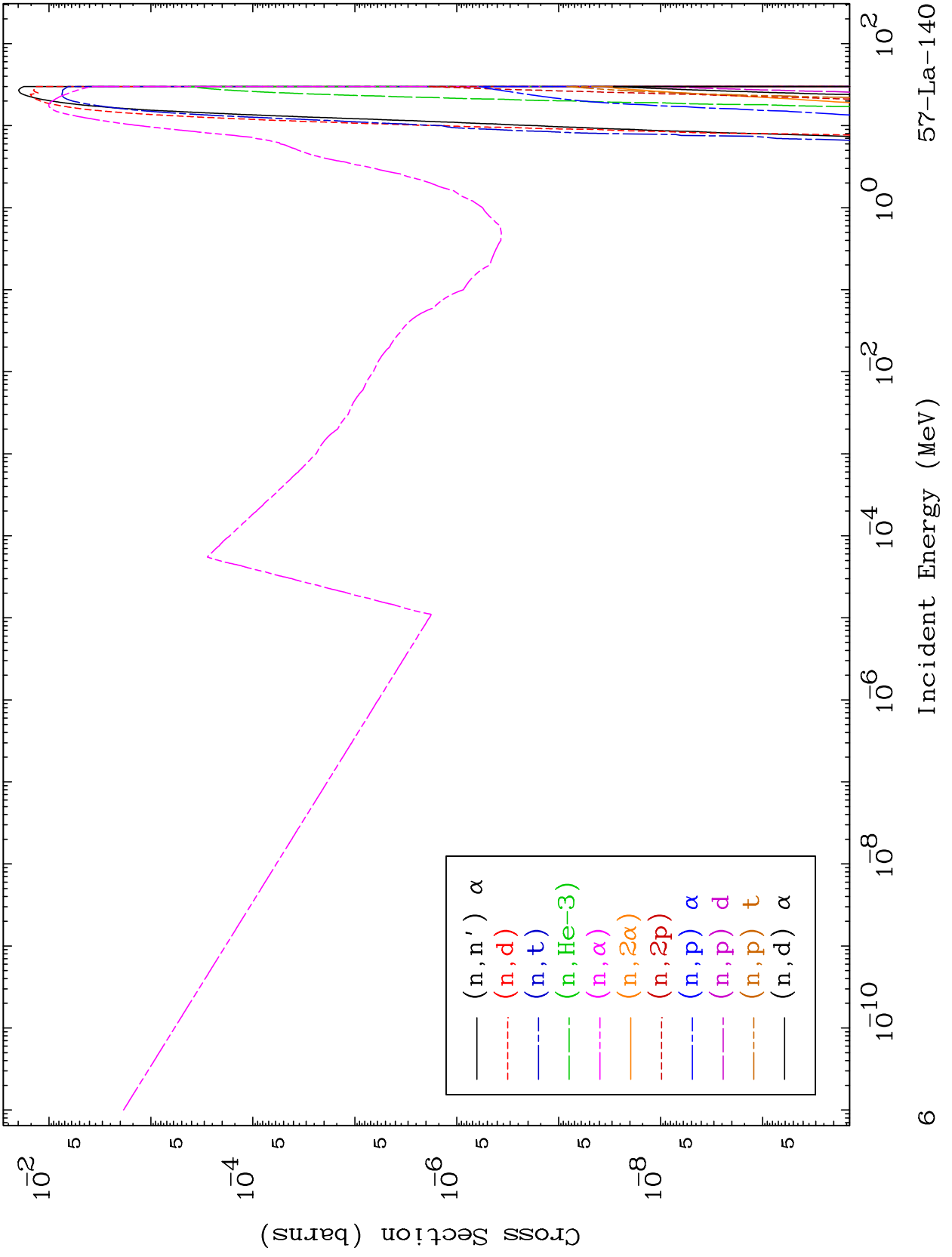
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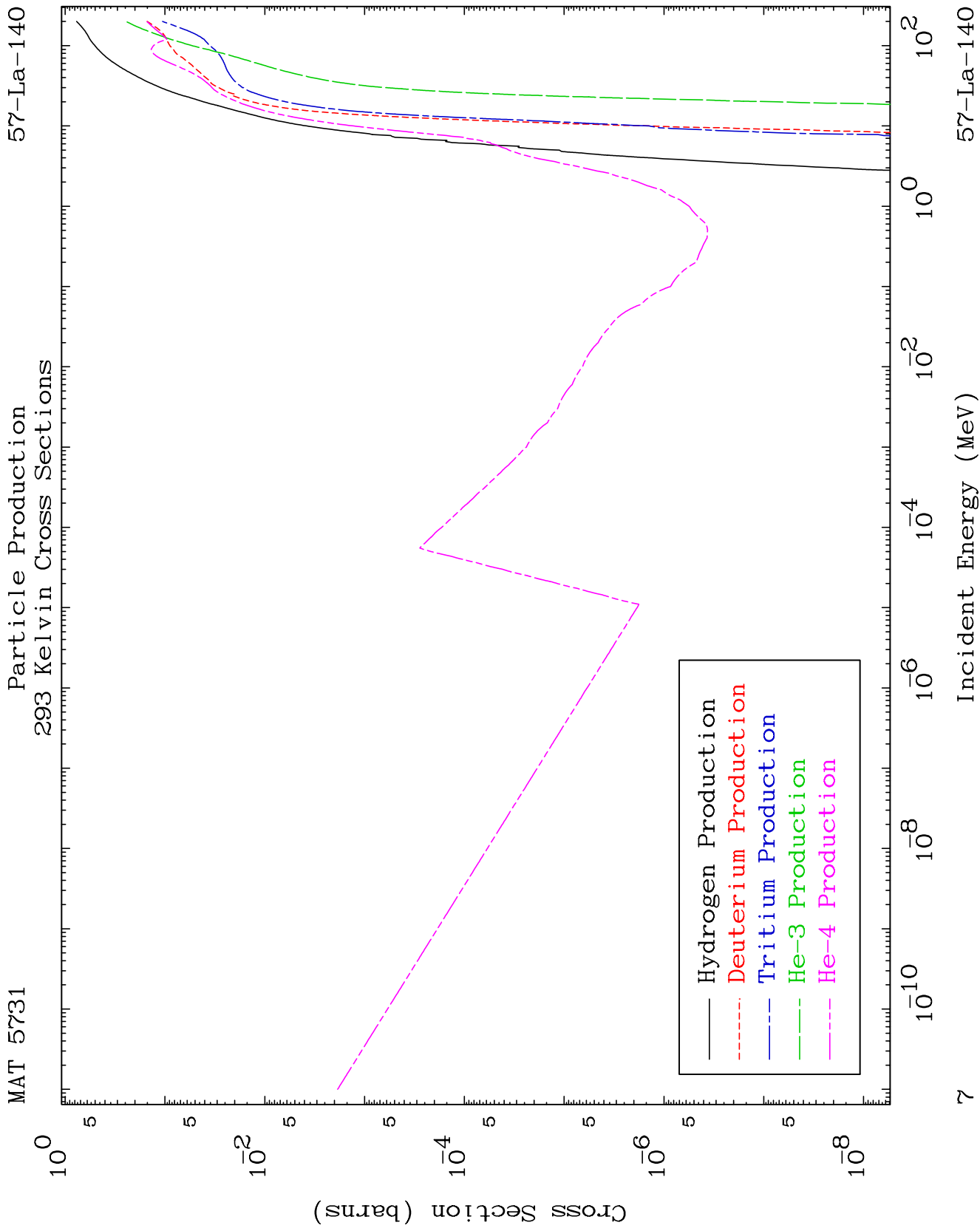


MAT 5731

Charged Particle  
293 Kelvin Cross Sections

57-La-140



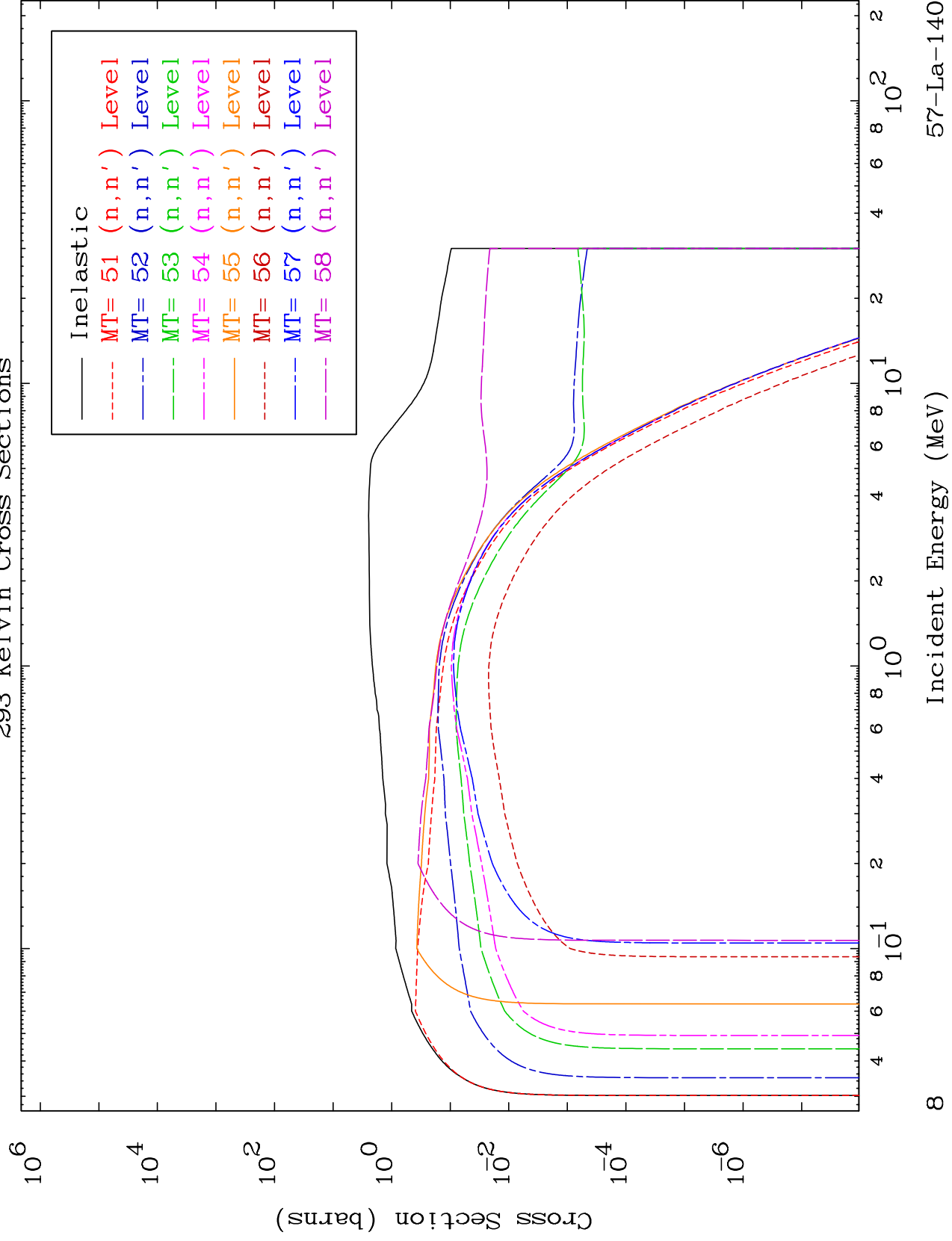


MAT 5731

(n,n') Levels

293 Kelvin Cross Sections

57-La-140

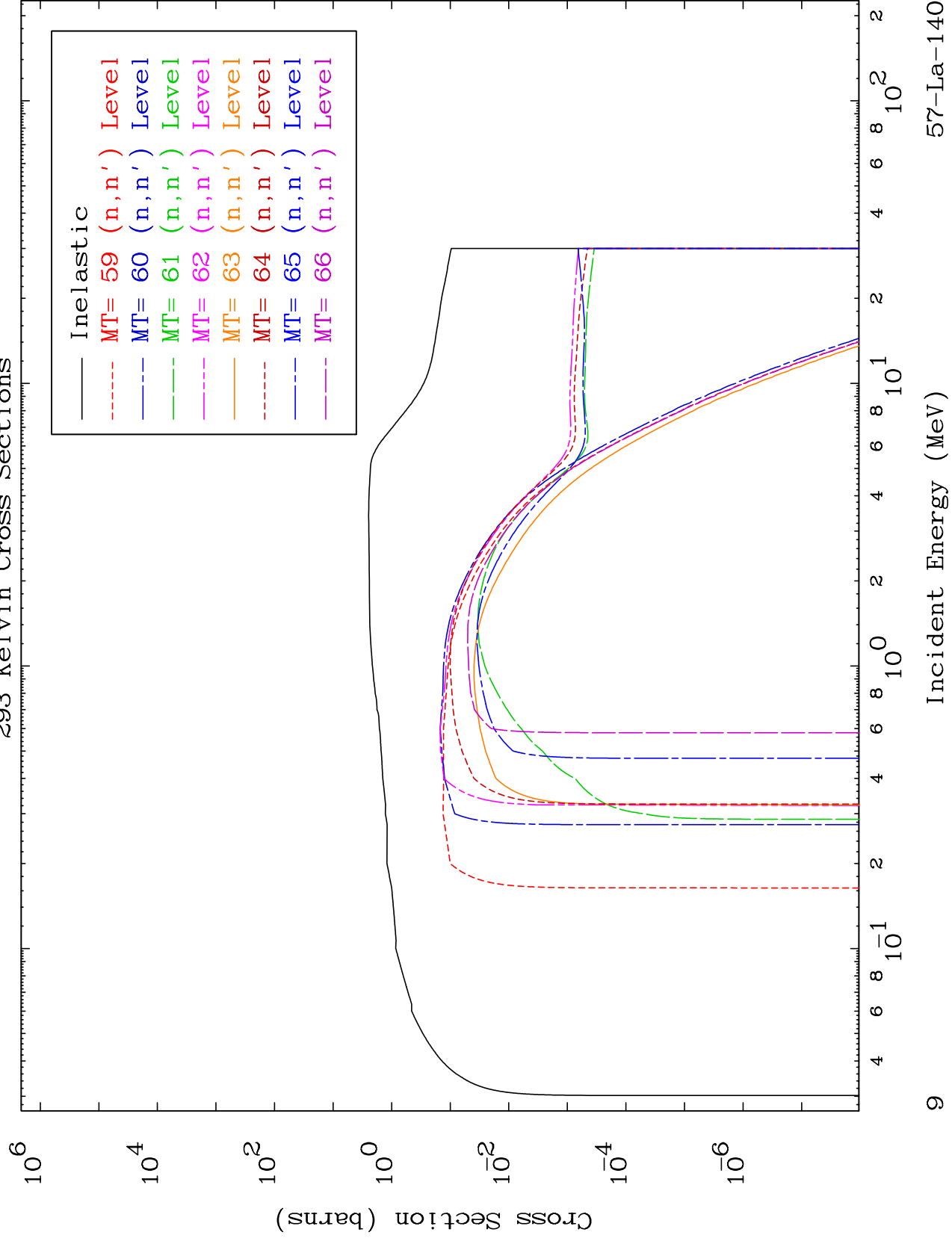


MAT 5731

(n,n') Levels

293 Kelvin Cross Sections

57-La-140

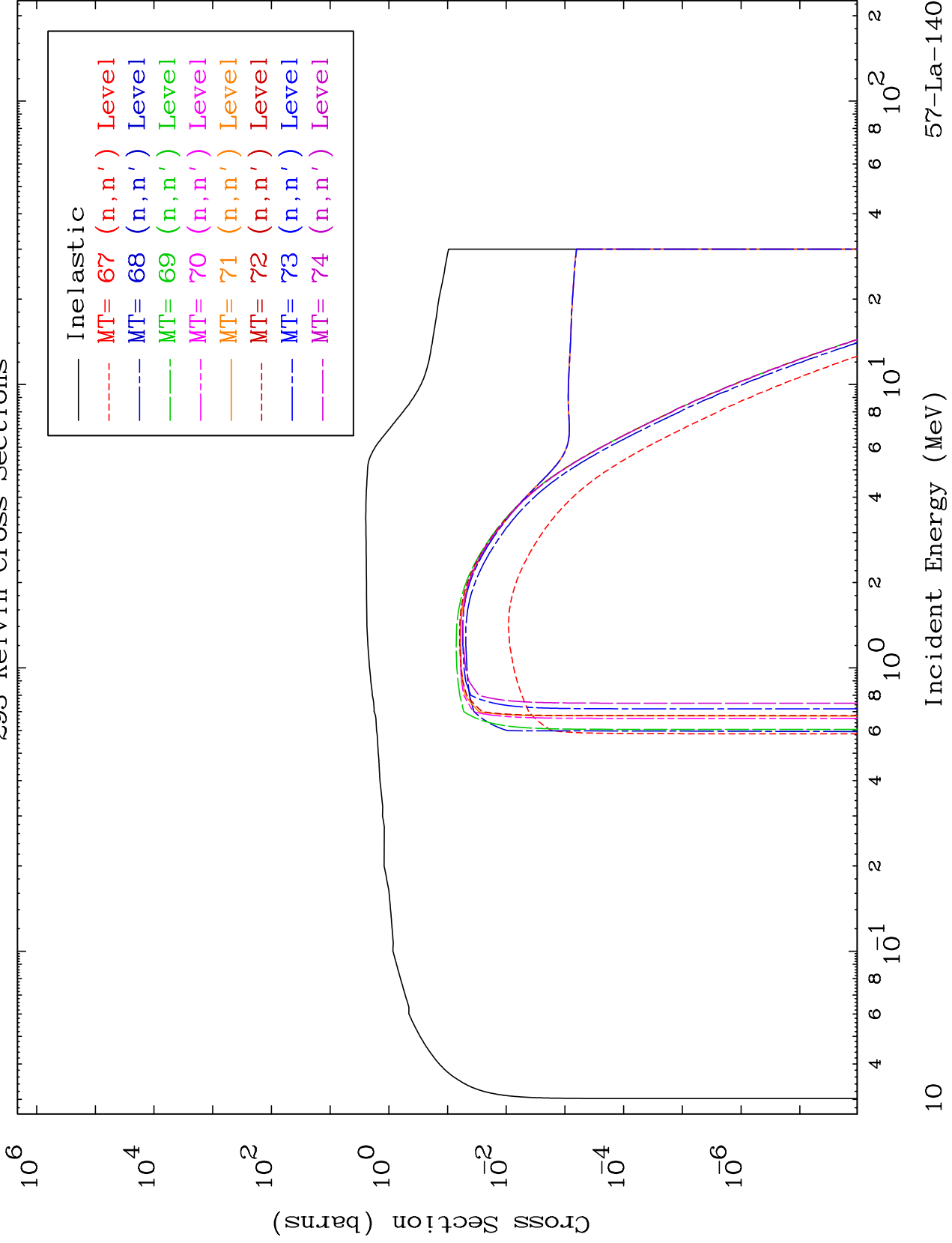


MAT 5731

(n,n') Levels

293 Kelvin Cross Sections

57-La-140



10

Incident Energy (MeV)

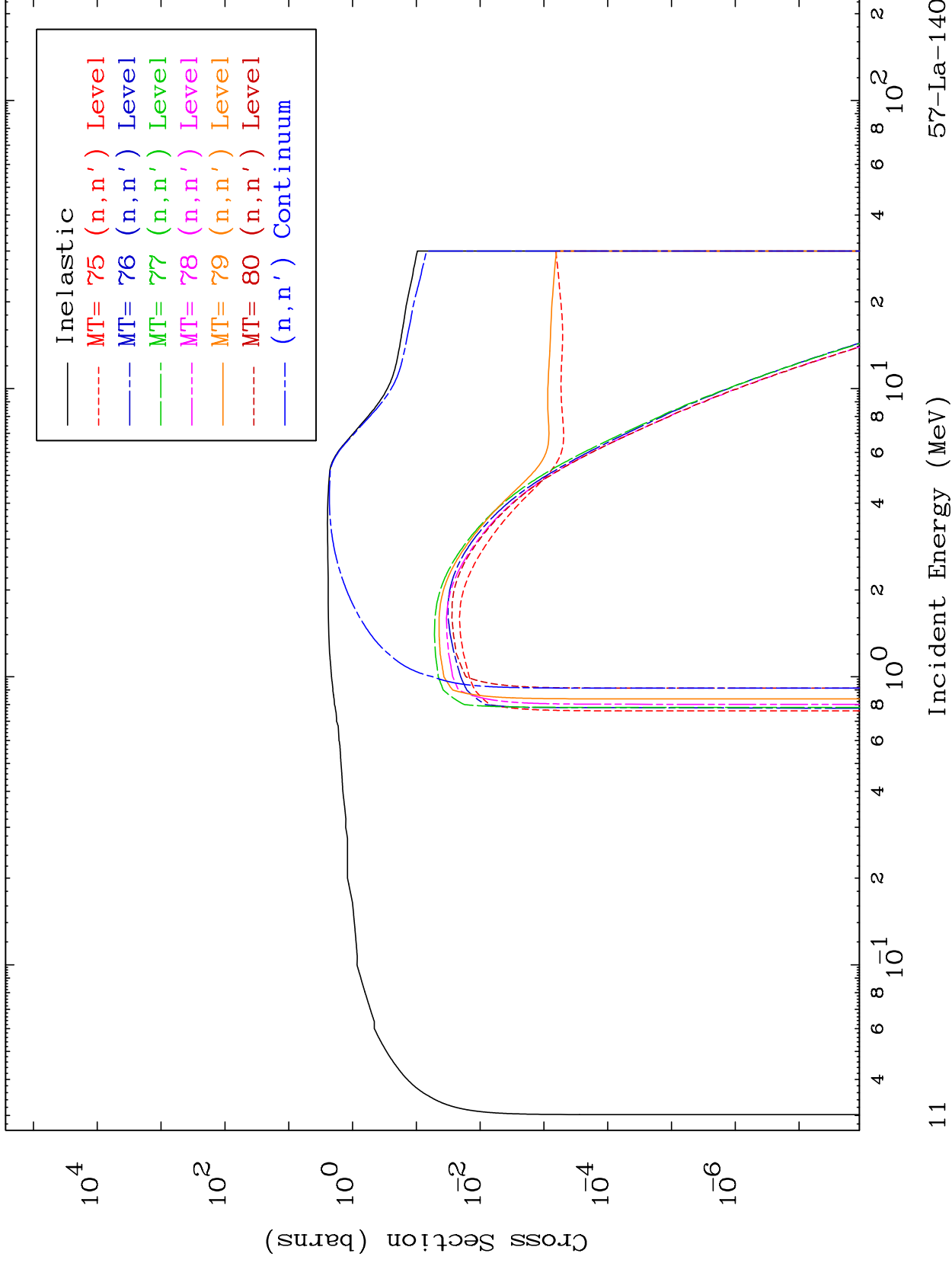
57-La-140

MAT 5731

(n,n') Levels

293 Kelvin Cross Sections

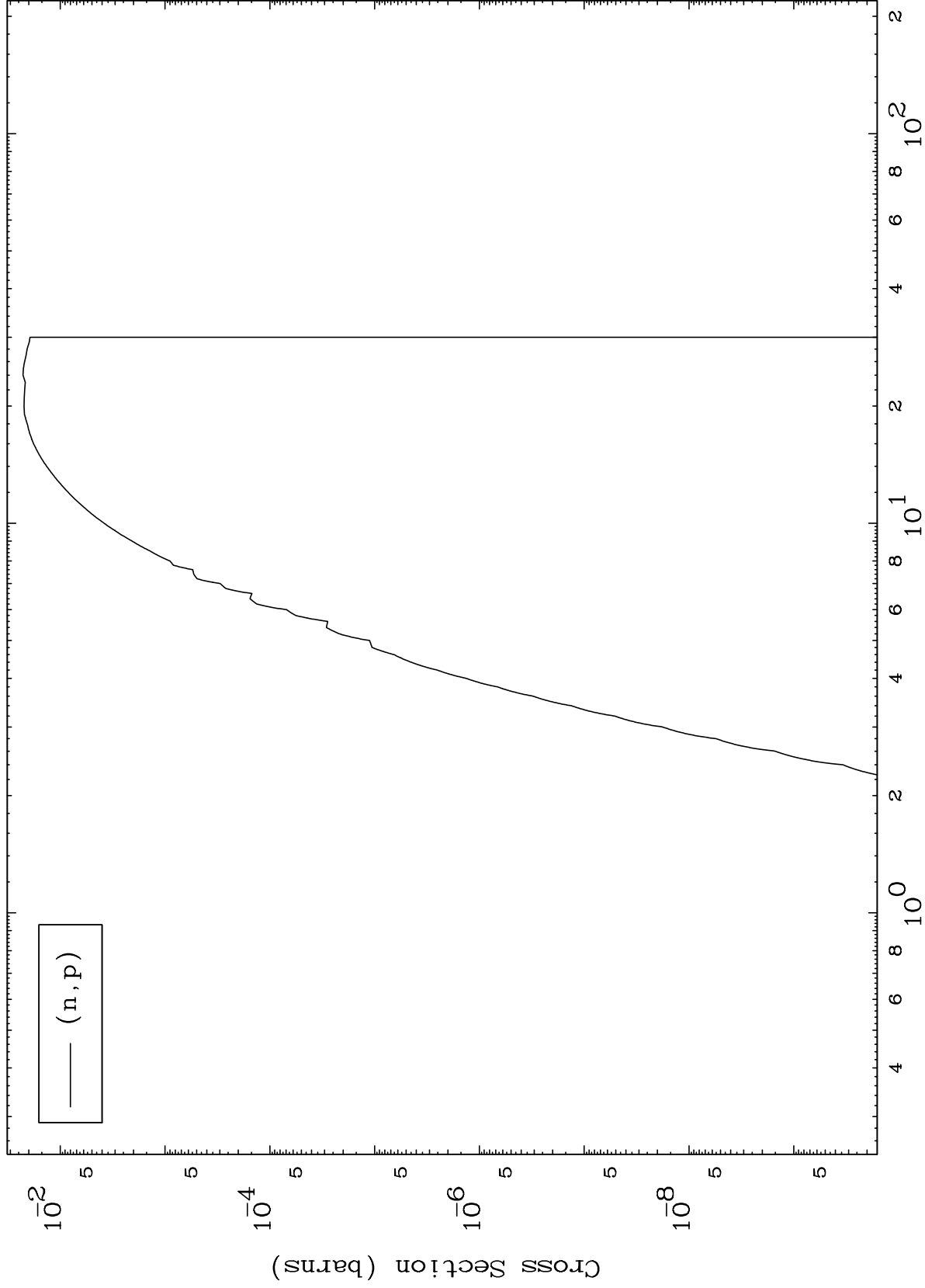
57-La-140



MAT 5731

(n,p) Levels  
293 Kelvin Cross Sections

57-La-140



12

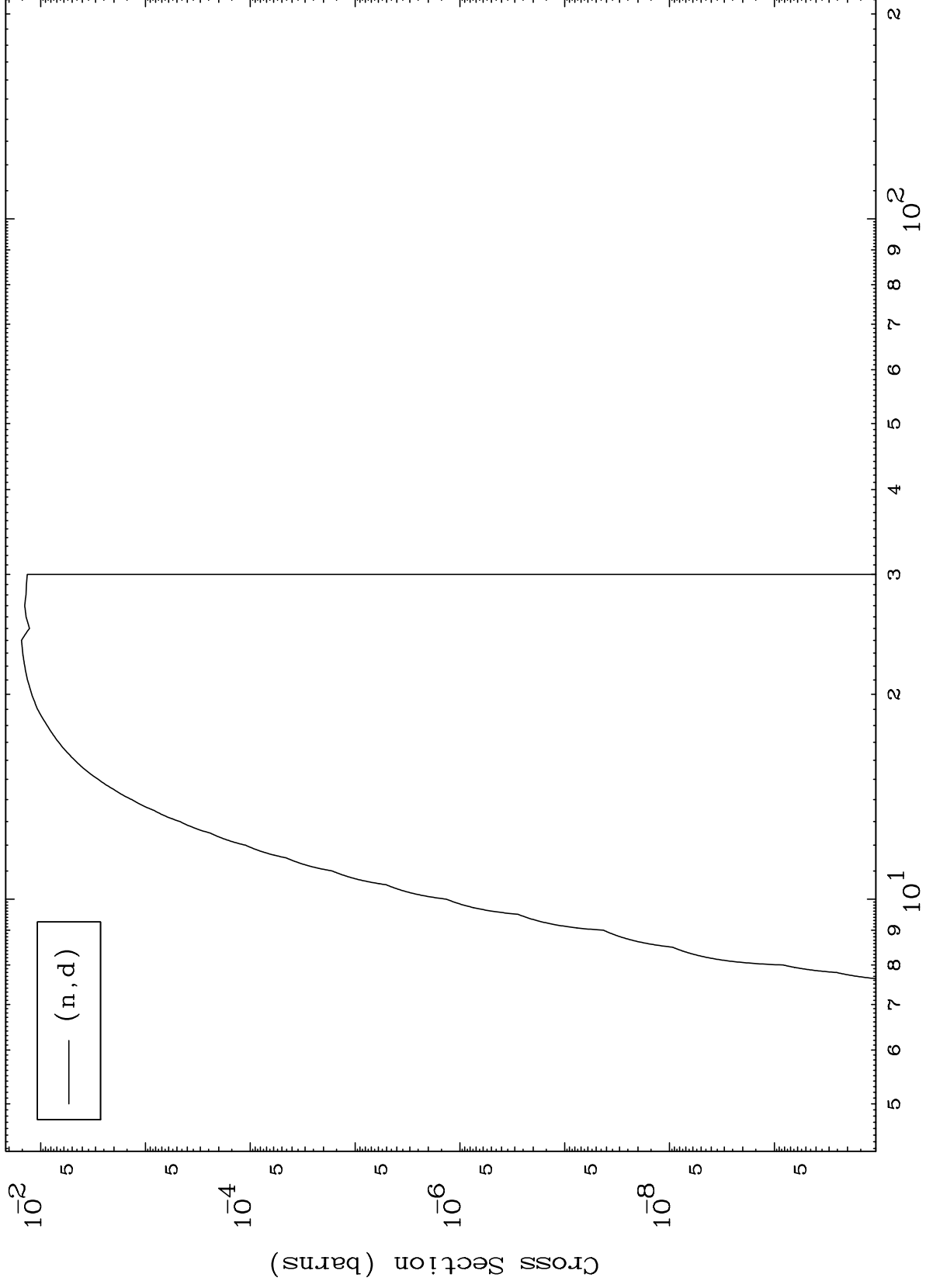
Incident Energy (MeV)

57-La-140

MAT 5731

(n,d) Levels  
293 Kelvin Cross Sections

57-La-140



13

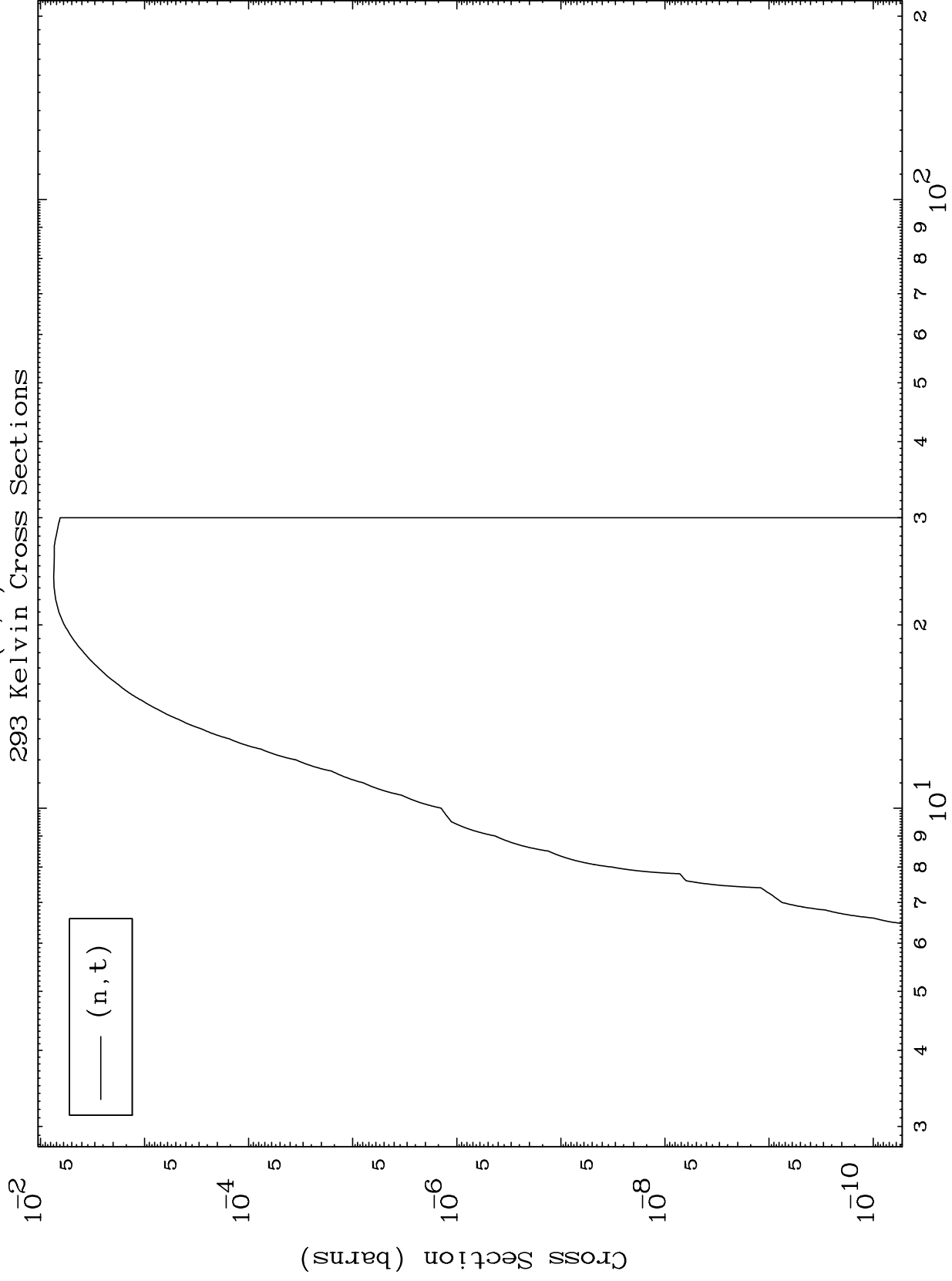
Incident Energy (MeV)

57-La-140

MAT 5731

(n,t) Levels  
293 Kelvin Cross Sections

57-La-140



14

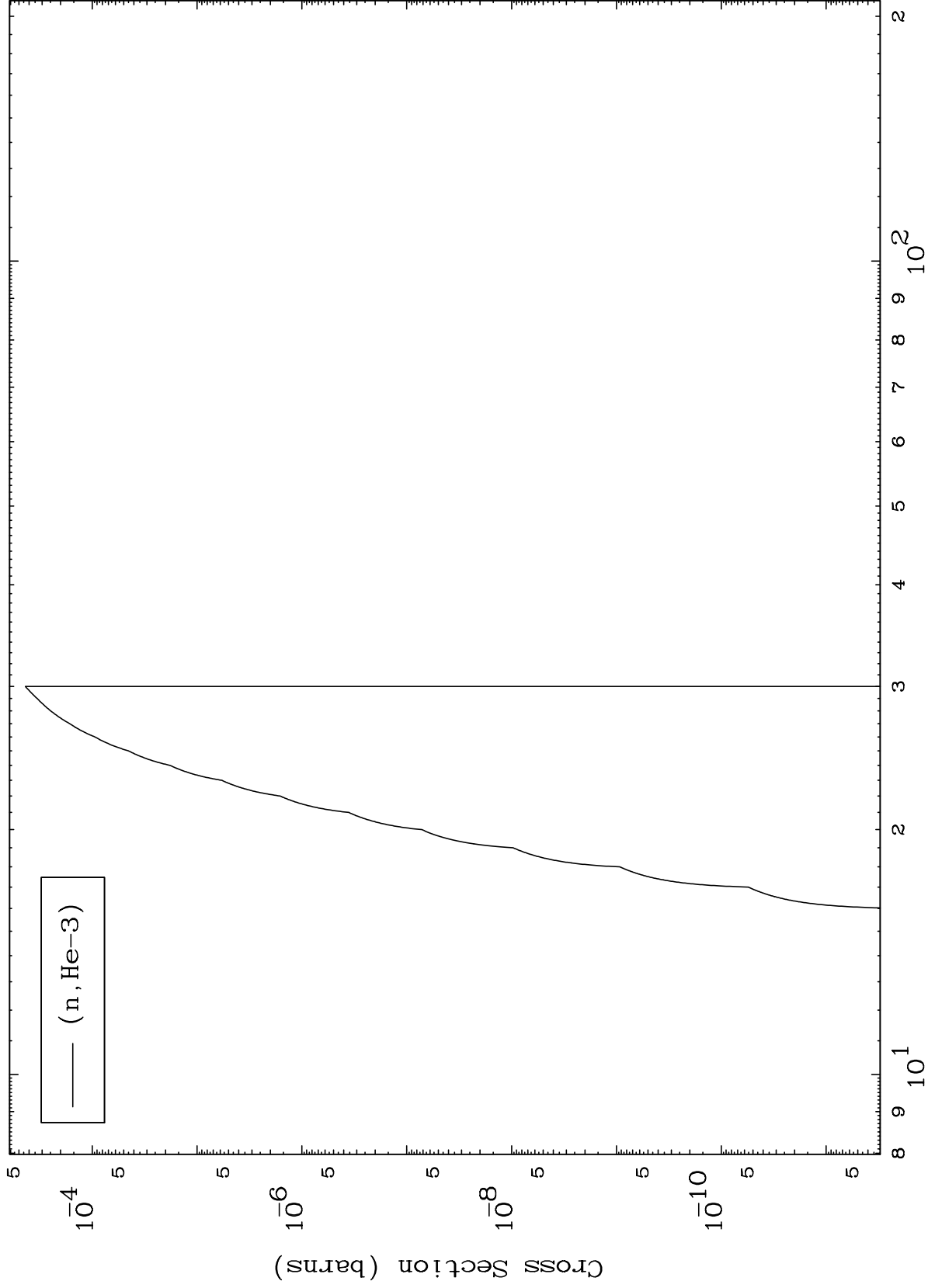
Incident Energy (MeV)

57-La-140

MAT 5731

(n,He3) Levels  
293 Kelvin Cross Sections

57-La-140



15

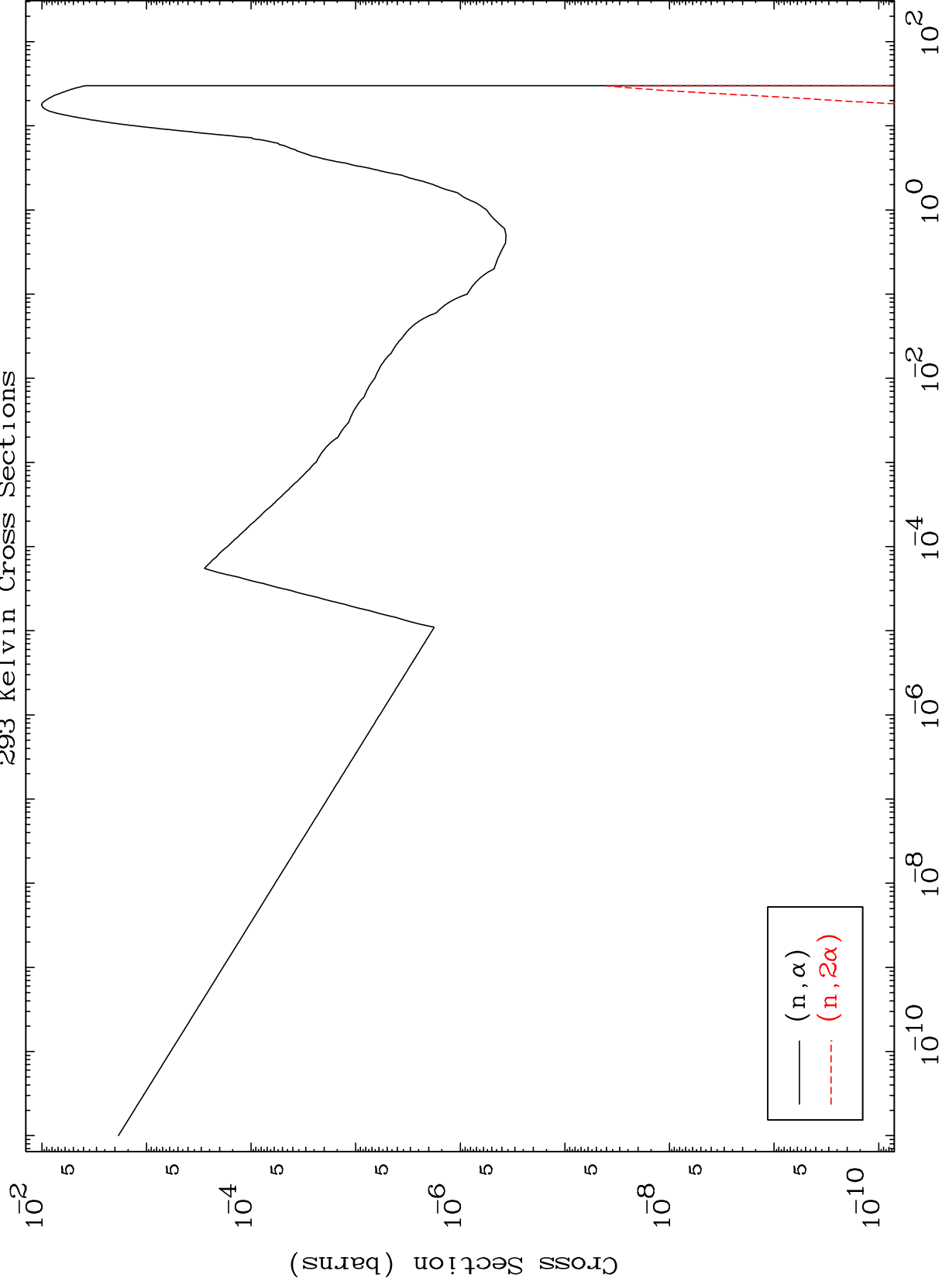
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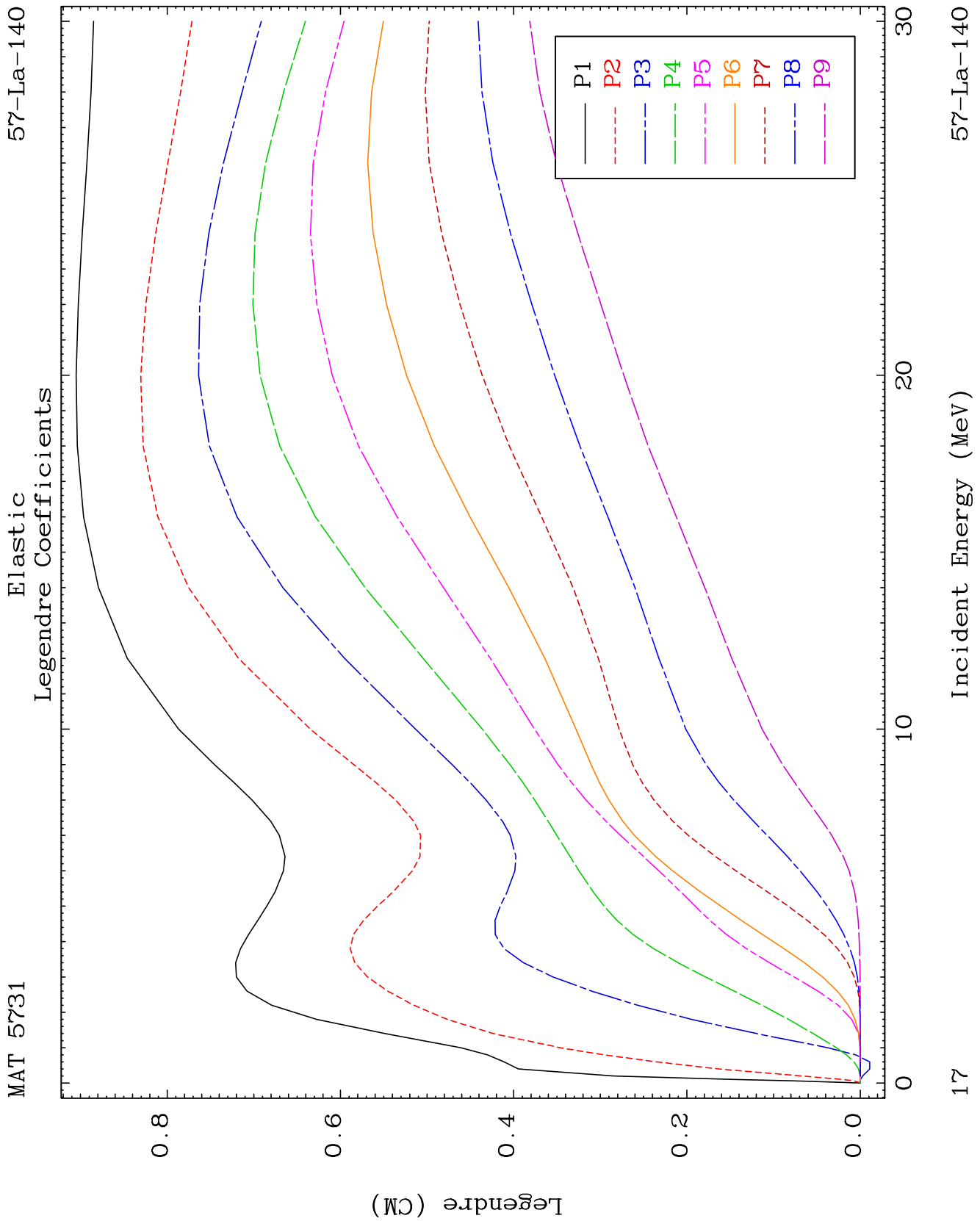
57-La-140

MAT 5731

(n,α) Levels  
293 Kelvin Cross Sections

57-La-140





MAT 5731

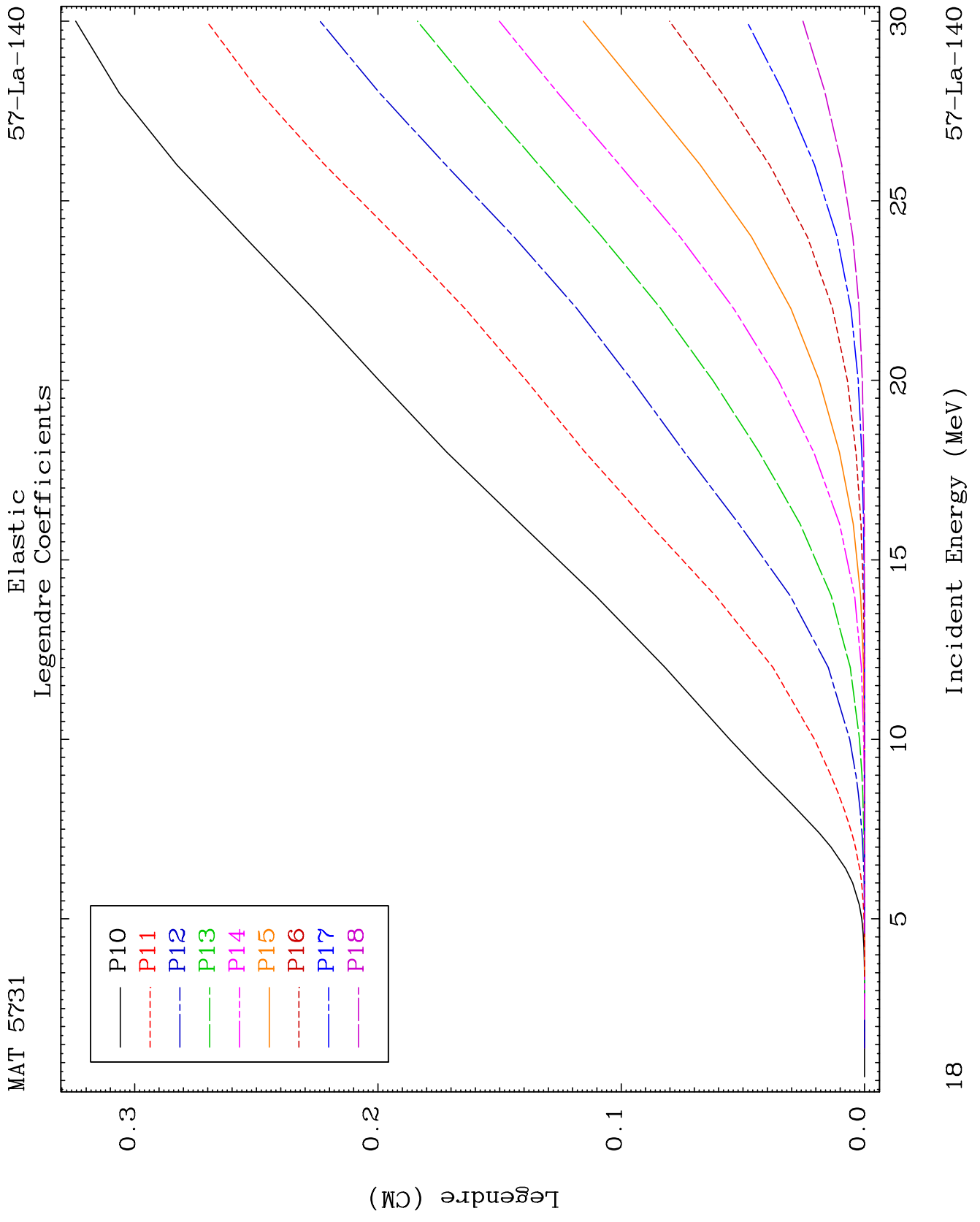
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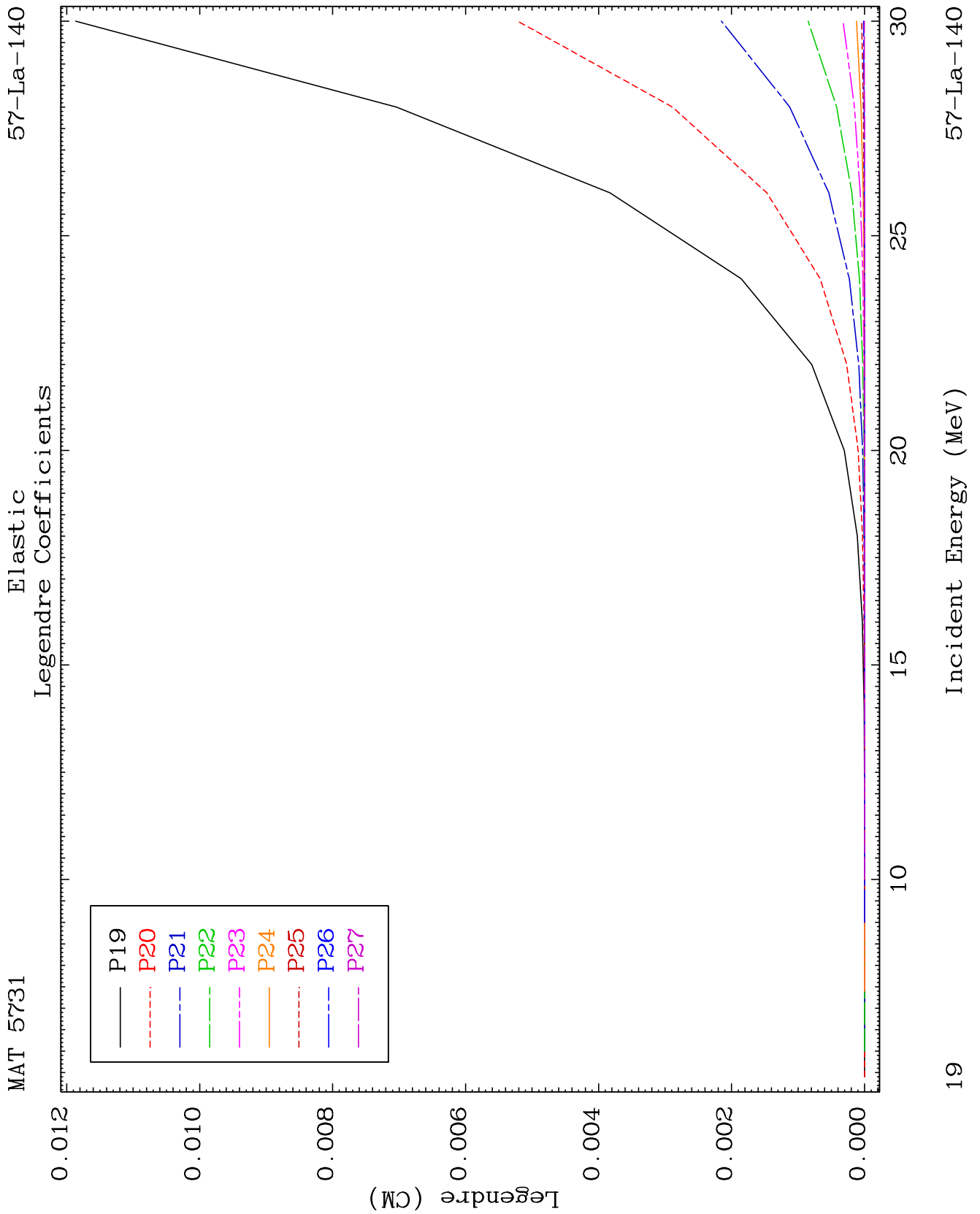
57-La-140

17

Incident Energy (MeV)

57-La-140

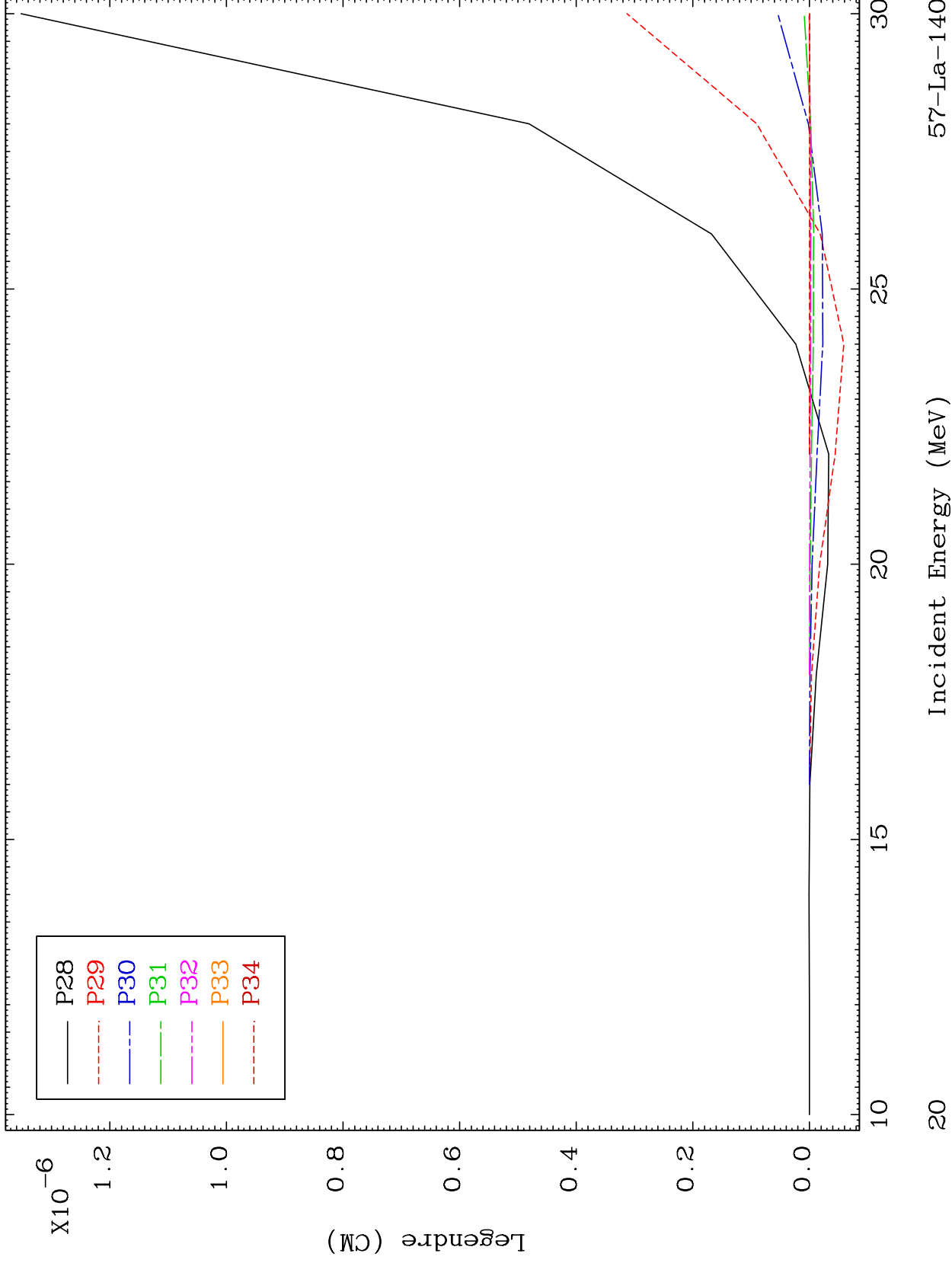


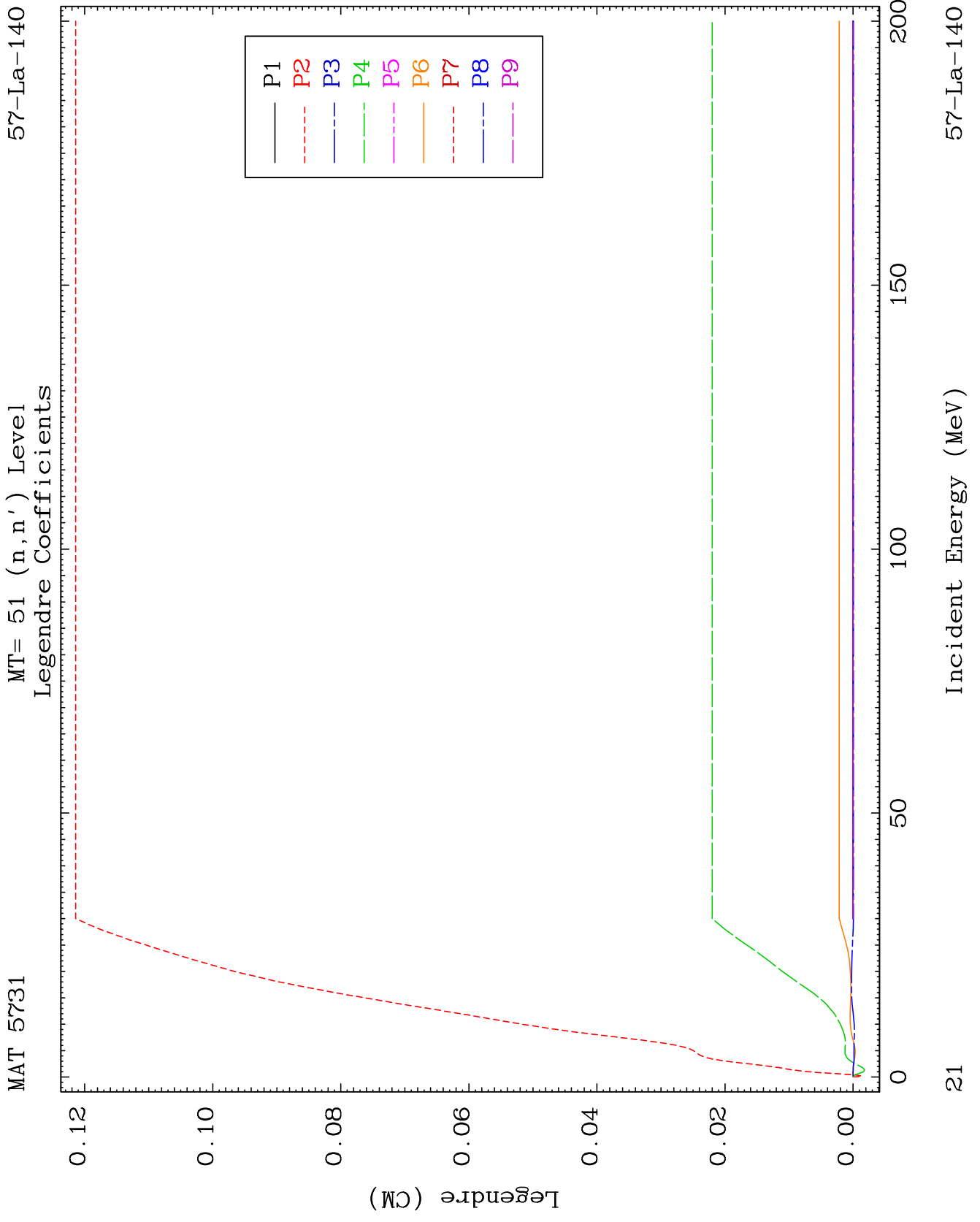


MAT 5731

Elastic  
Legendre Coefficients

57-La-140

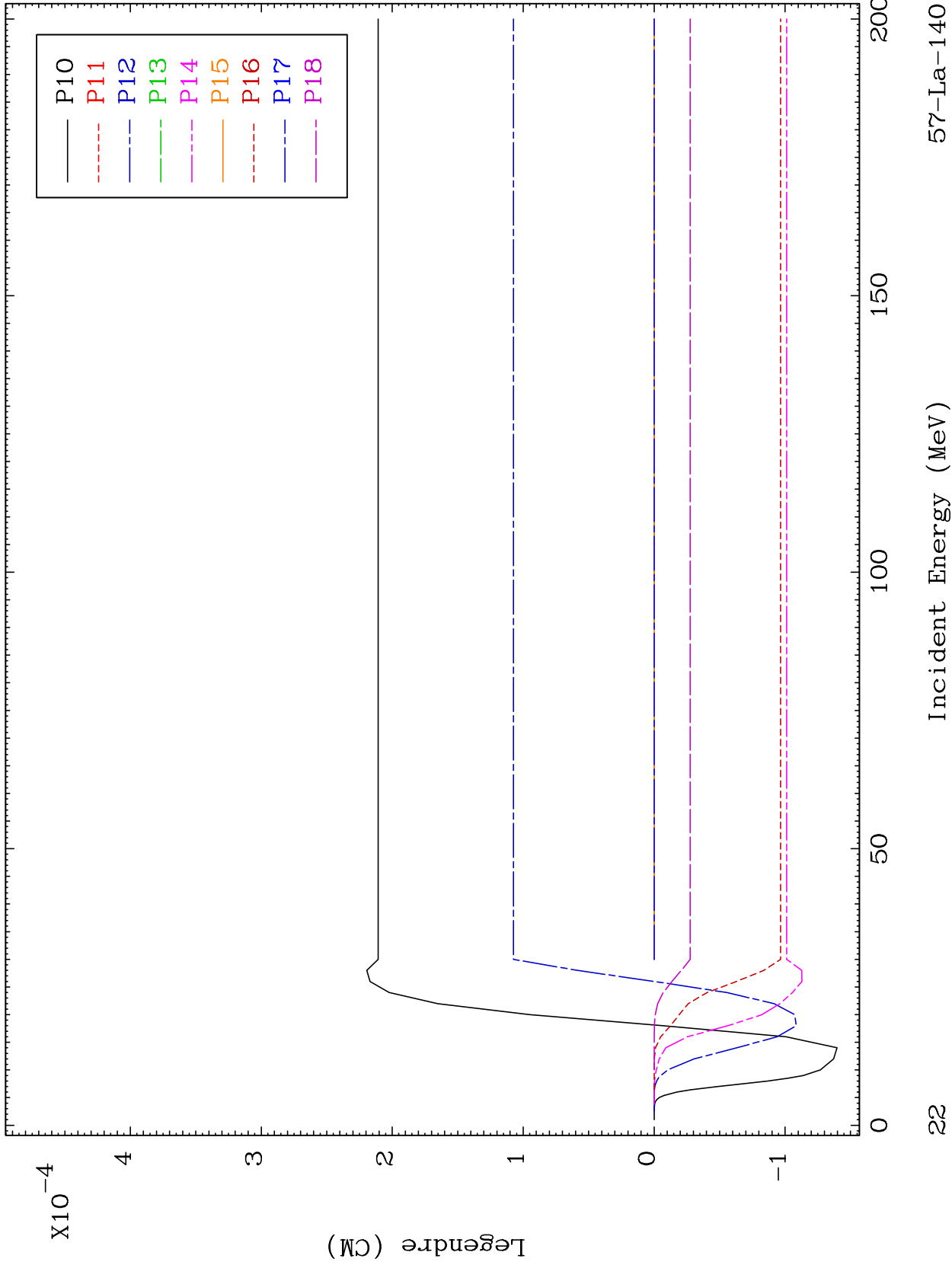




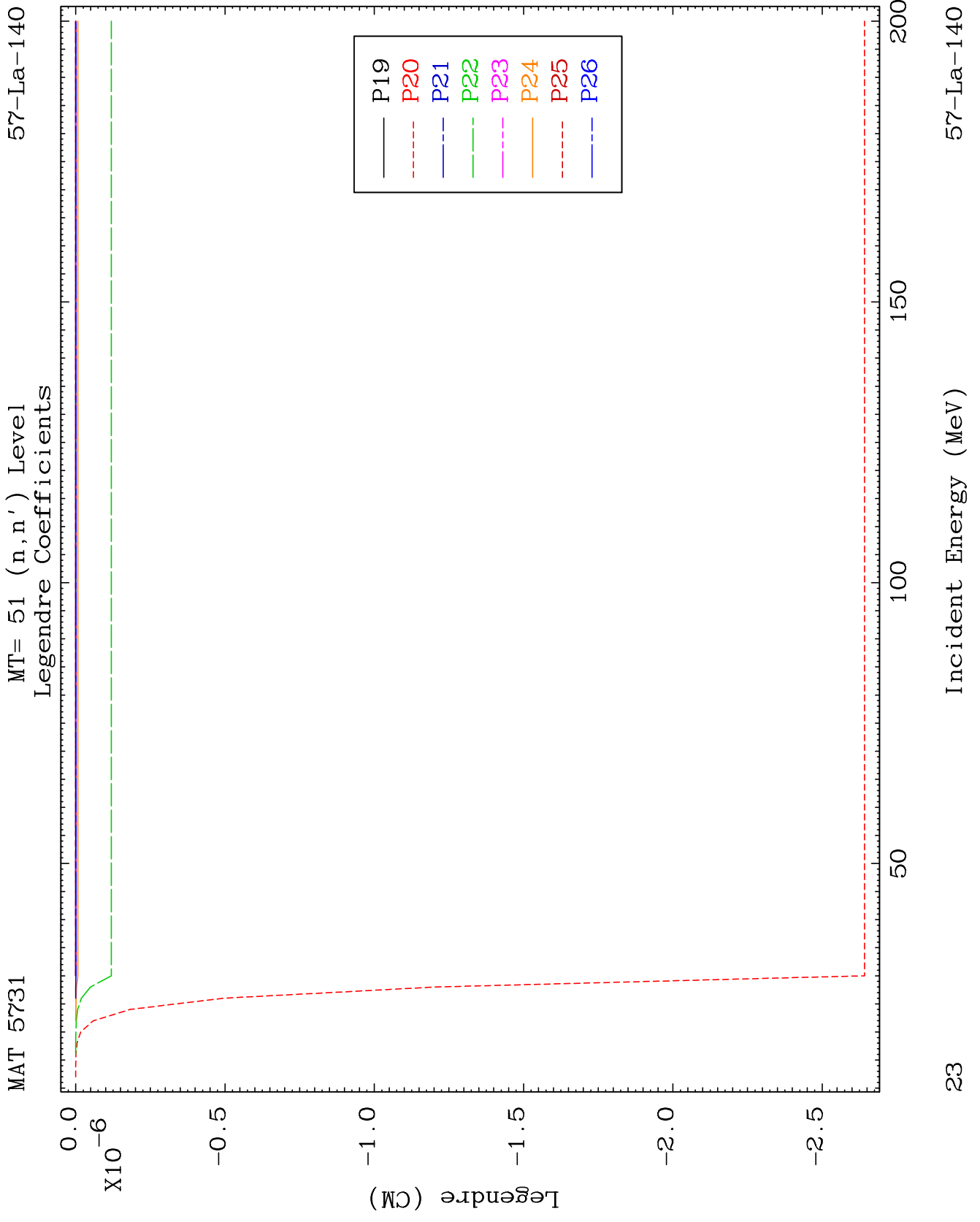
MAT 5731

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

57-La-140



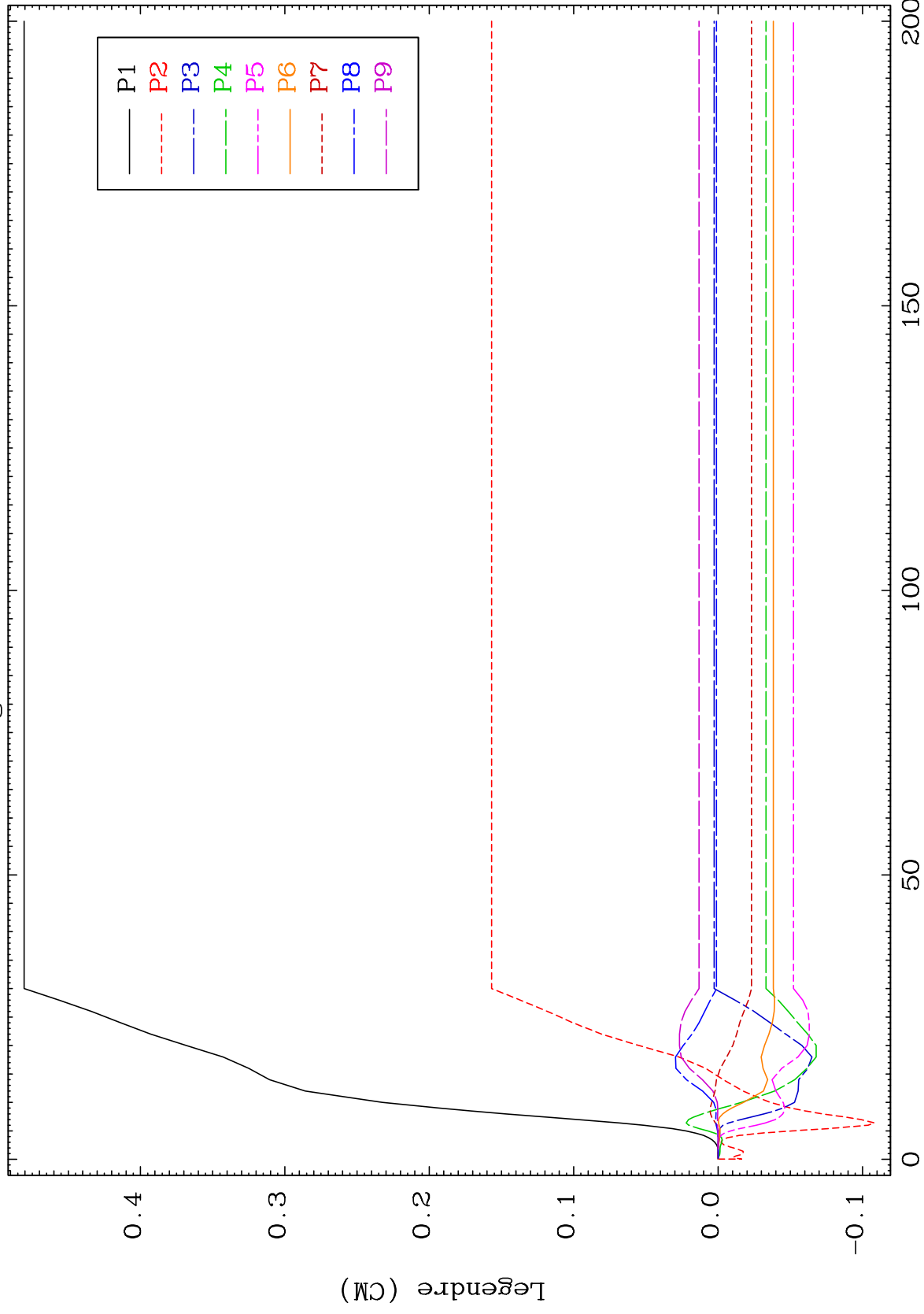
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MAT 5731

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

57-La-140



57-La-140

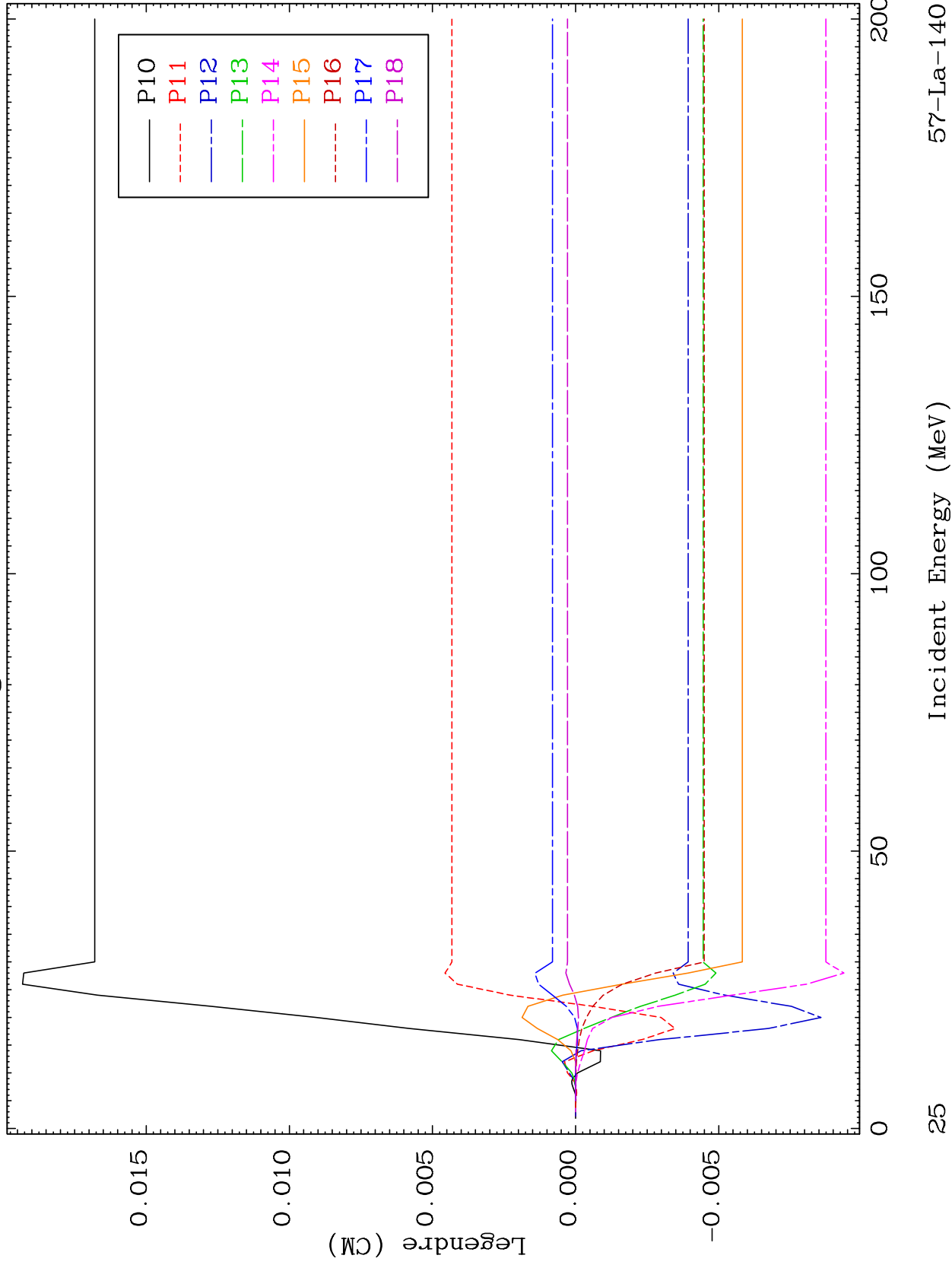
Incident Energy (MeV)

24

MAT 5731

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

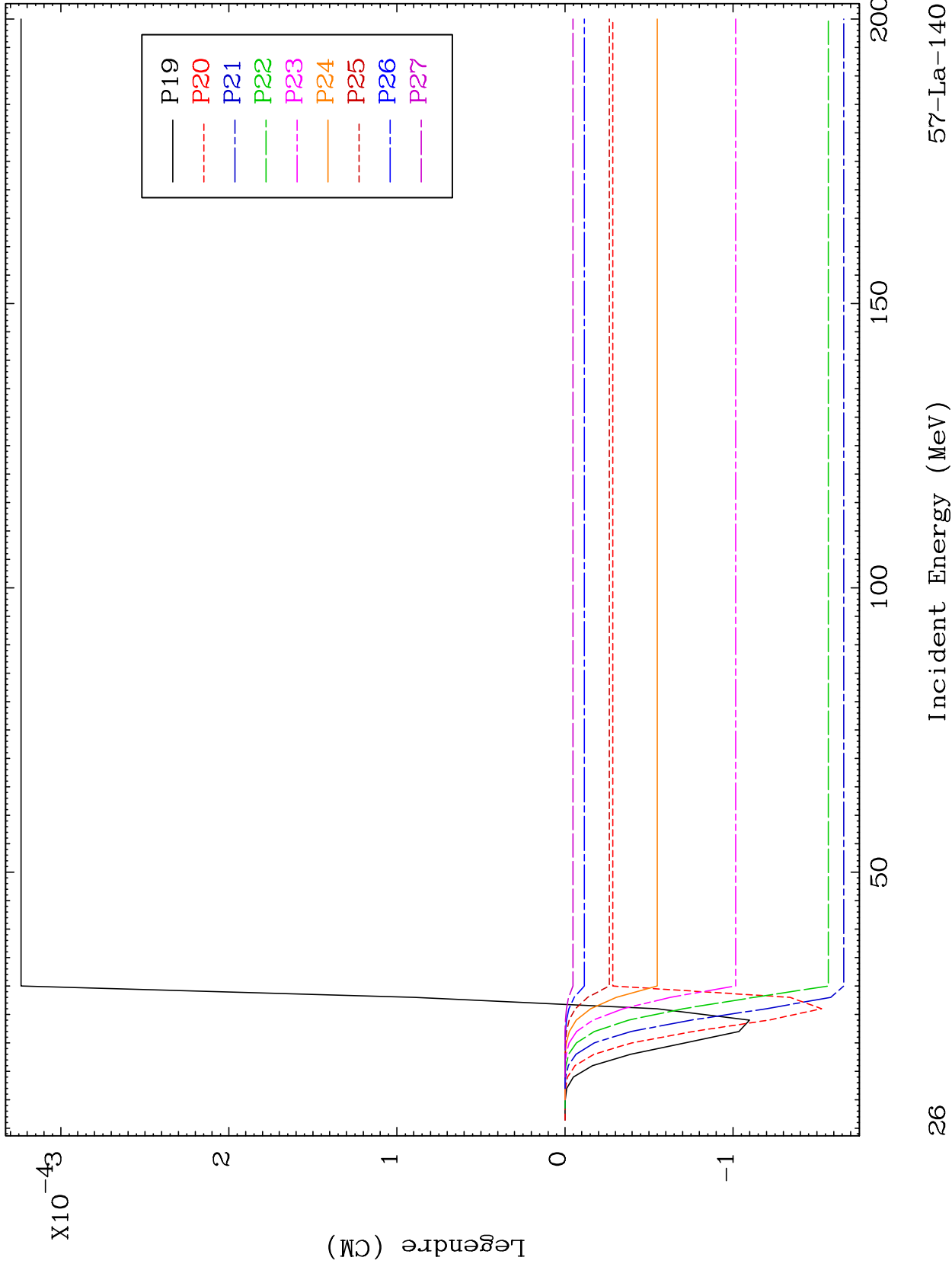
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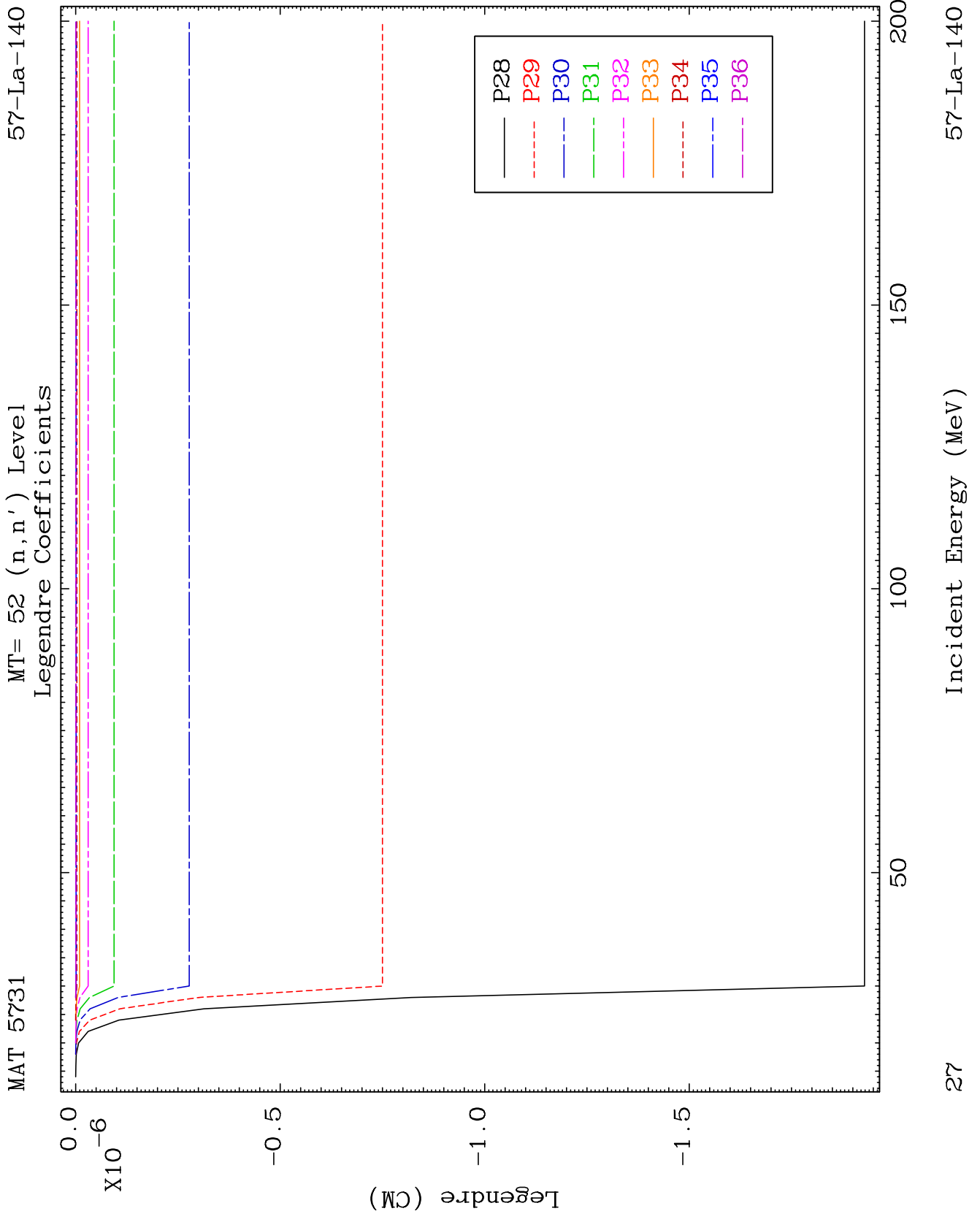


57-La-140

Incident Energy (MeV)

25

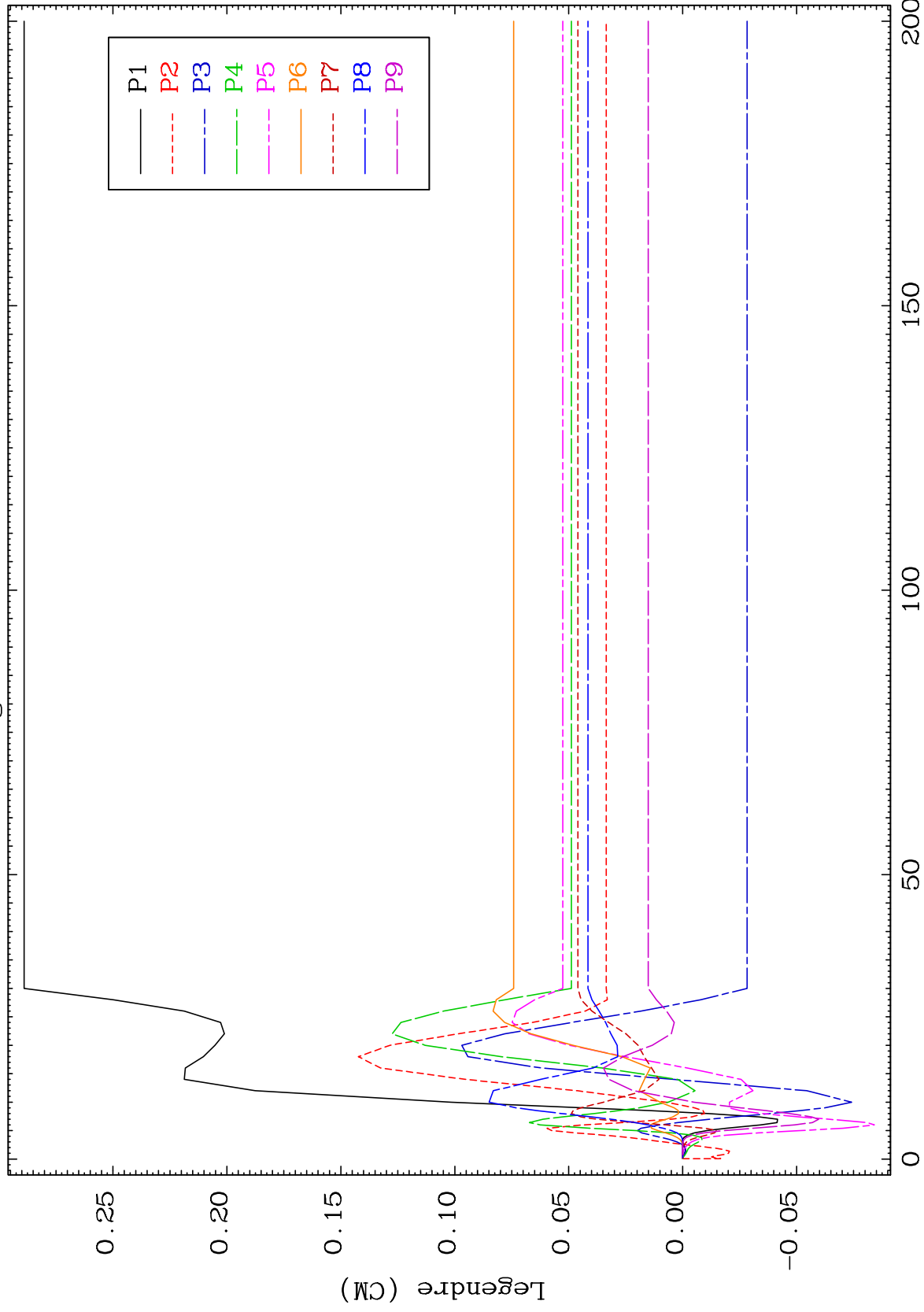




MAT 5731

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

57-La-140



28

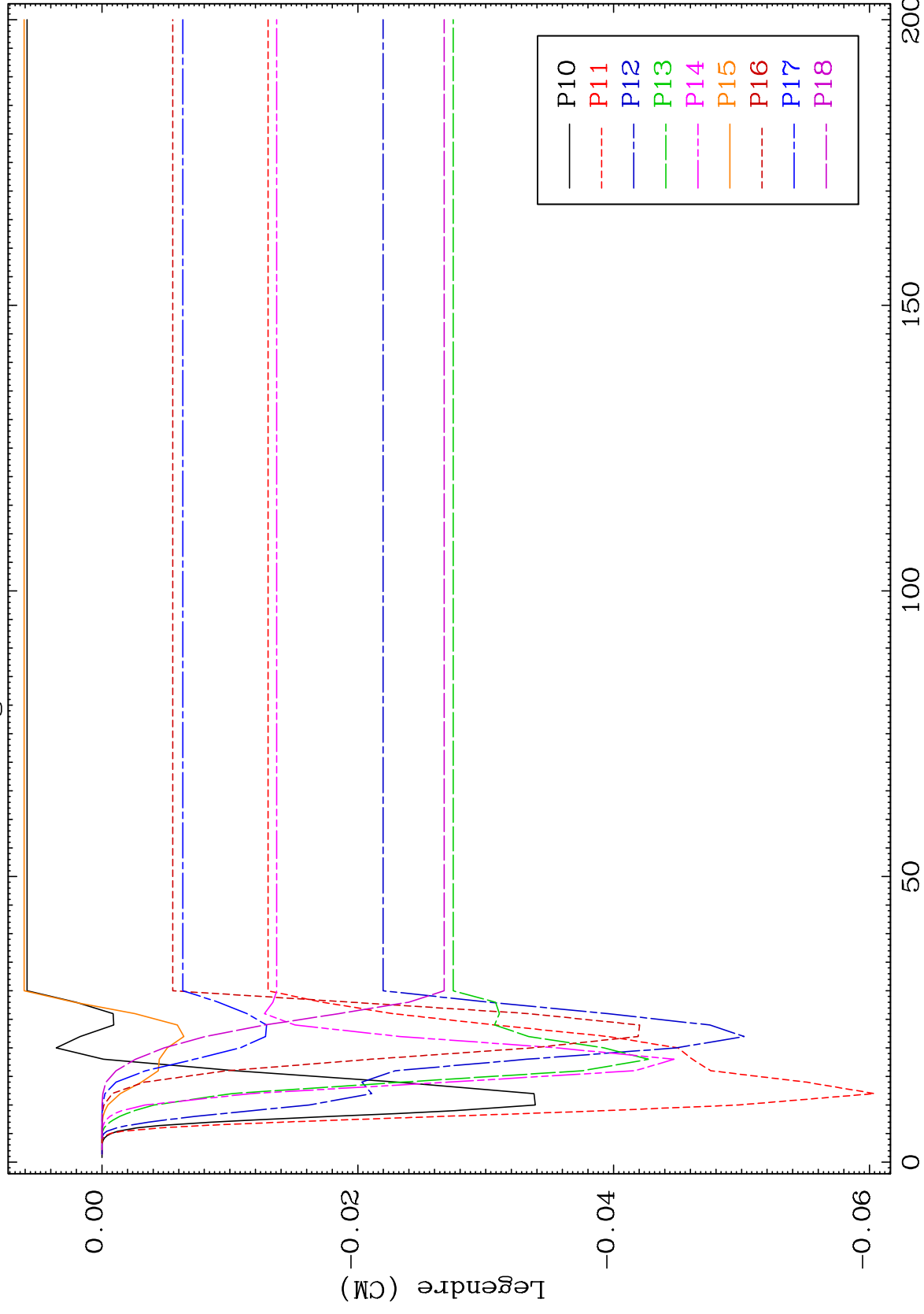
Incident Energy (MeV)

57-La-140

MAT 5731

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

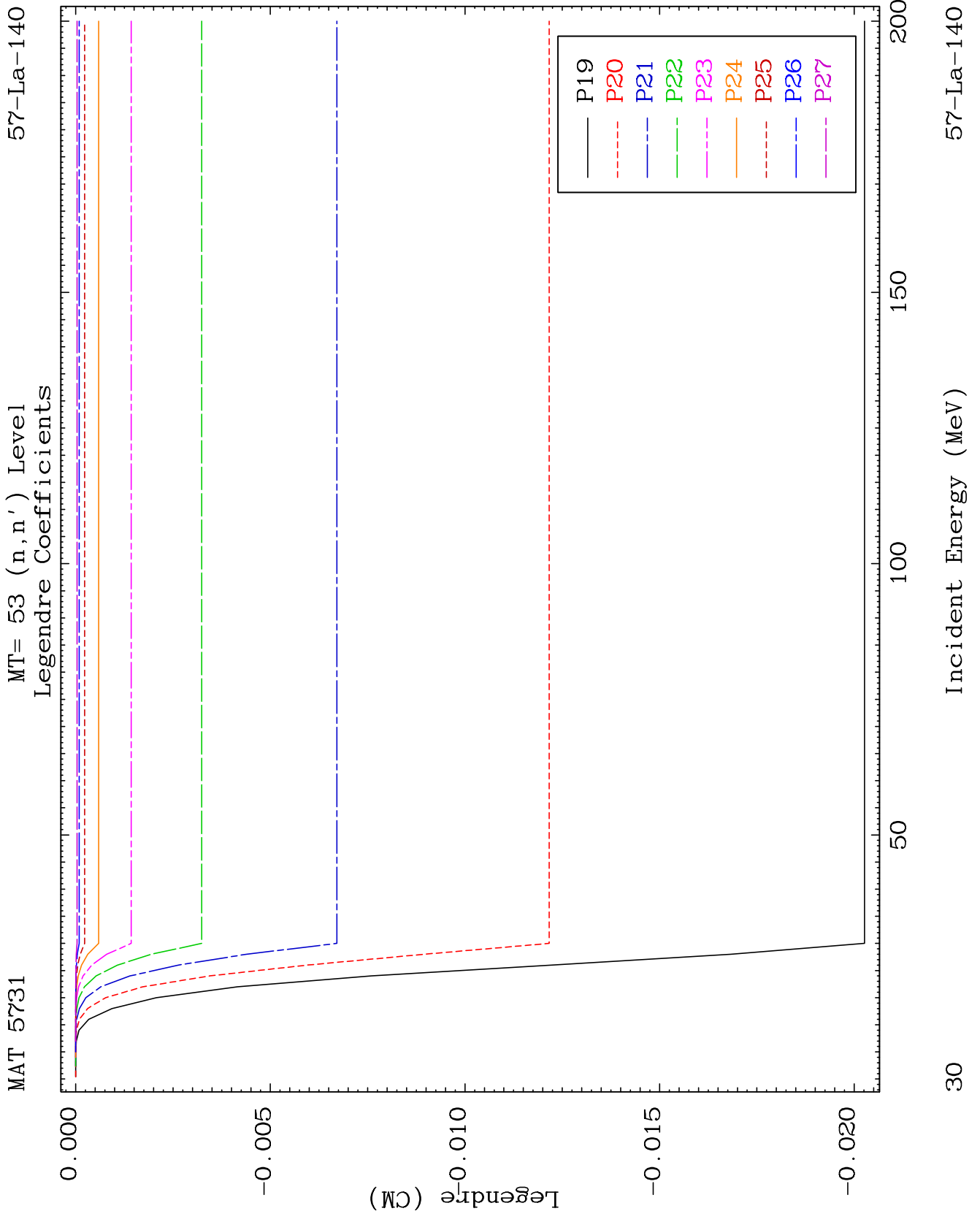
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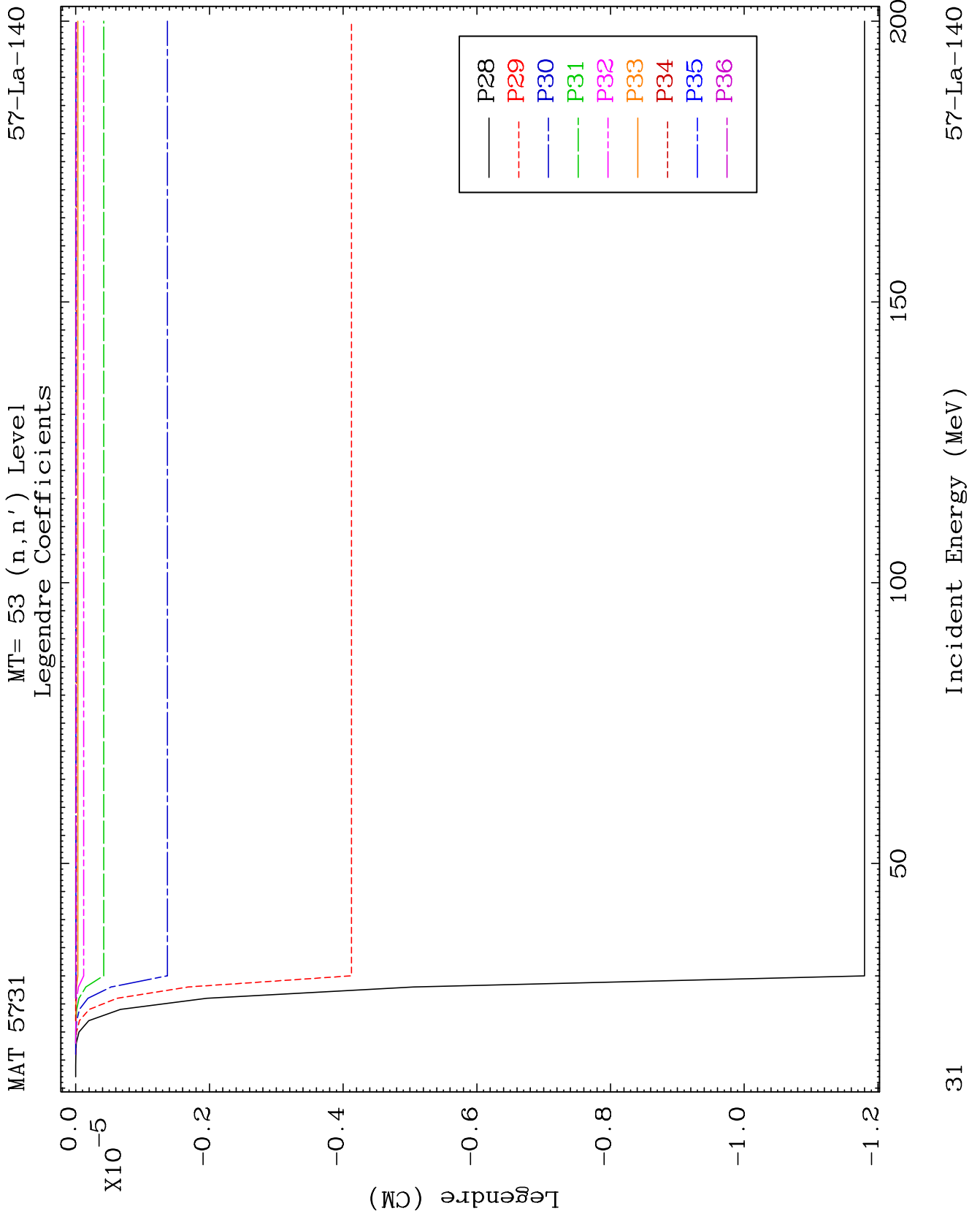


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Incident Energy (MeV)

57-La-140

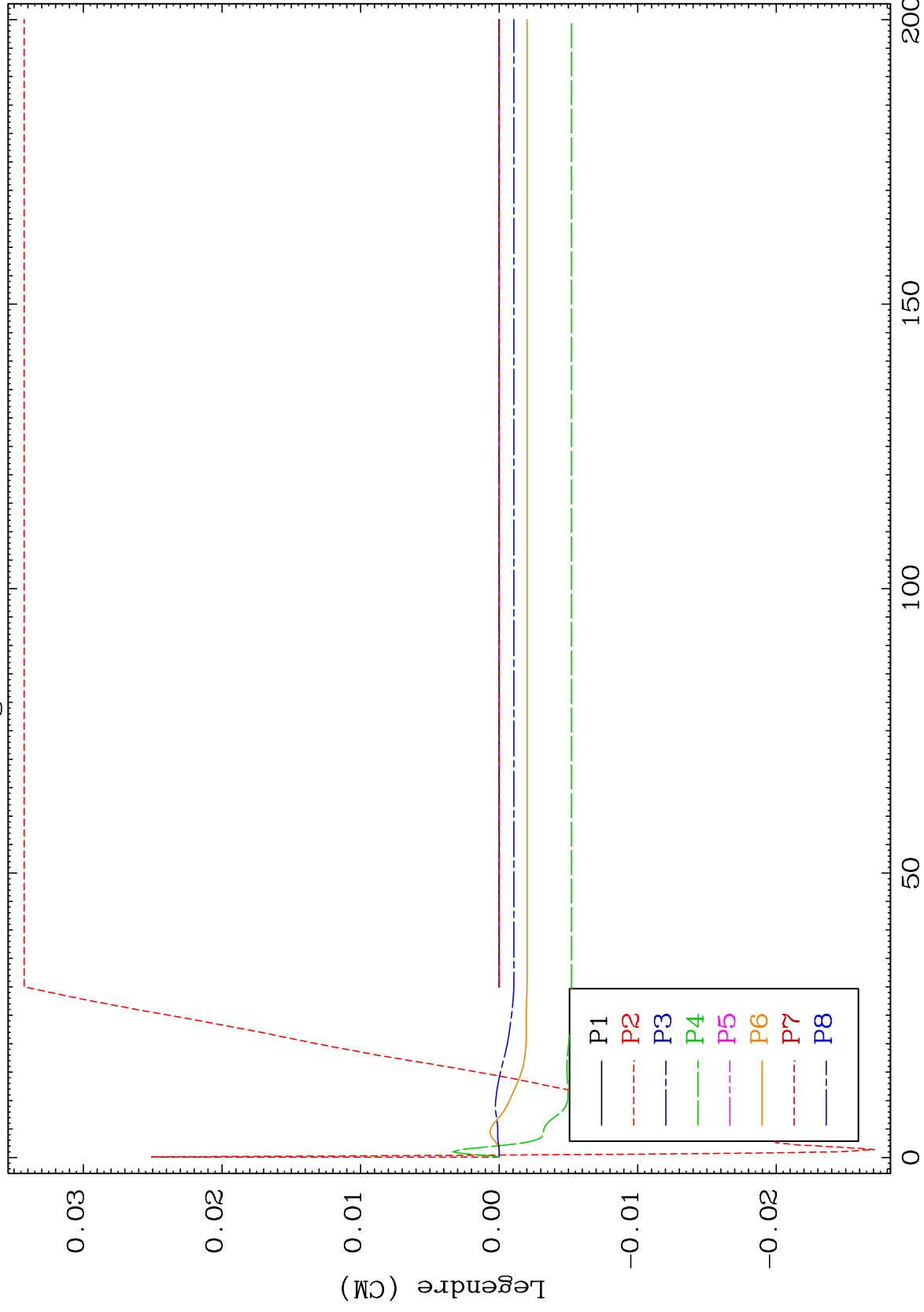




MAT 5731

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

57-La-140



32

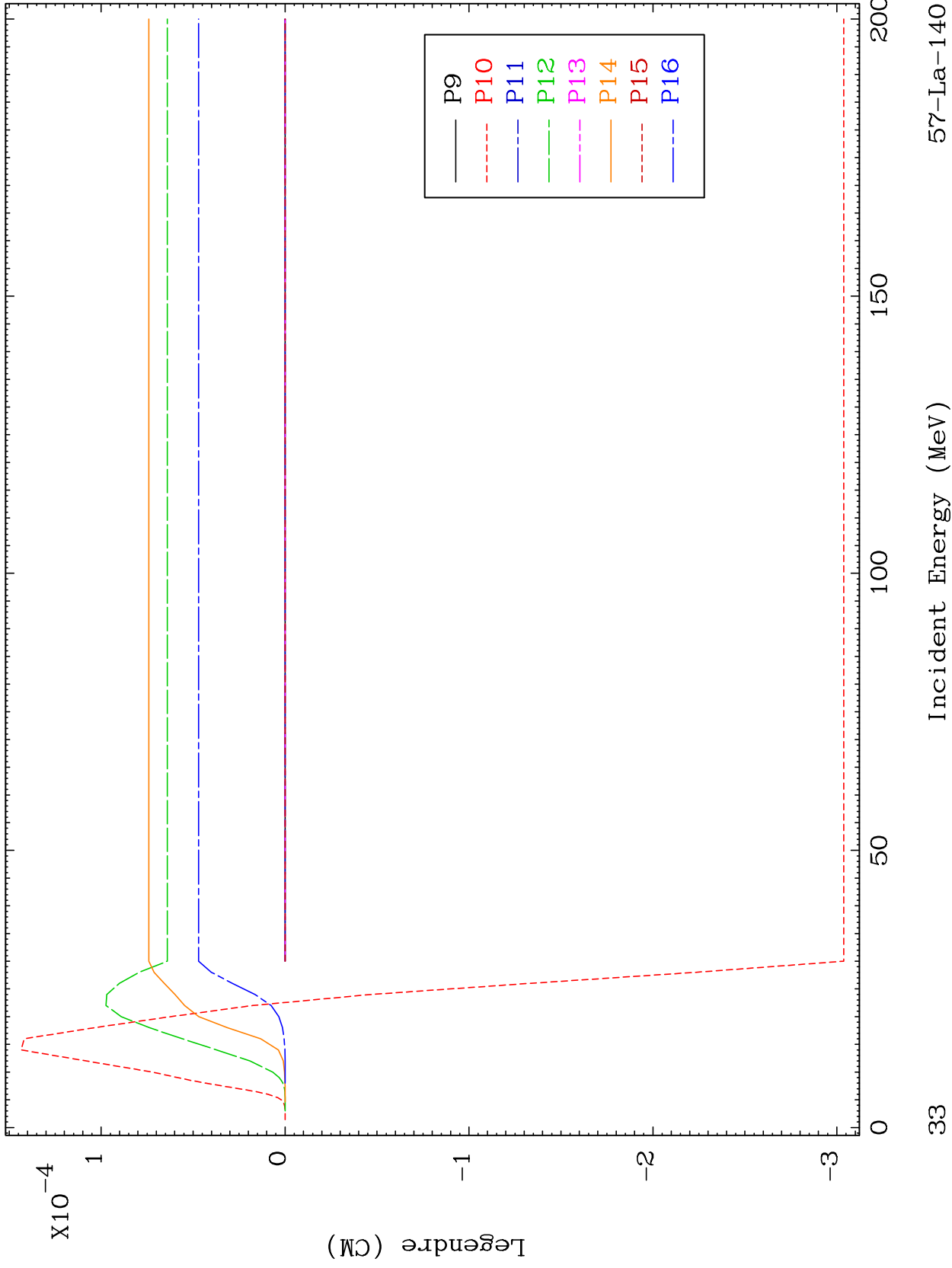
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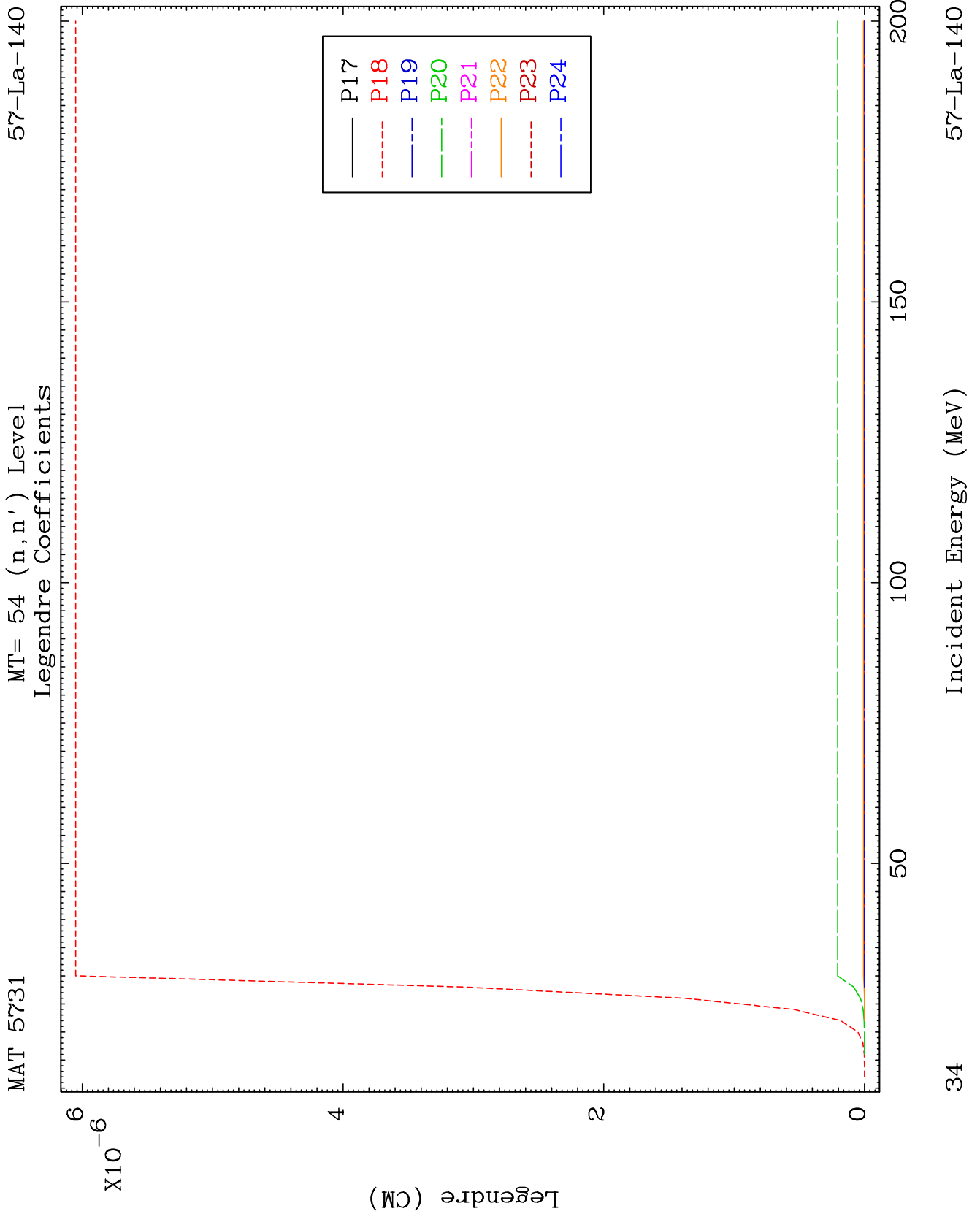
57-La-140

MAT 5731

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

57-La-140



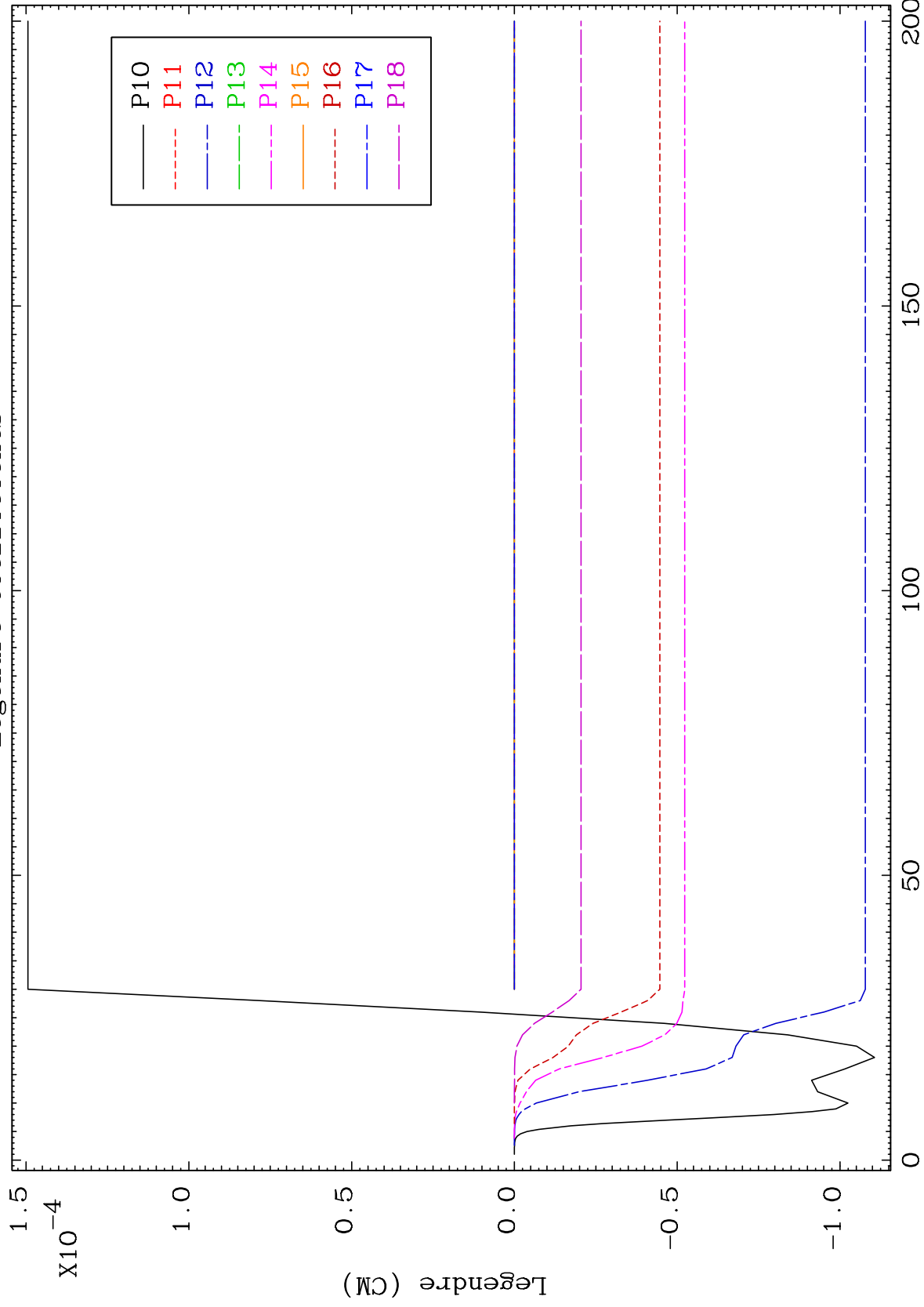




MAT 5731

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

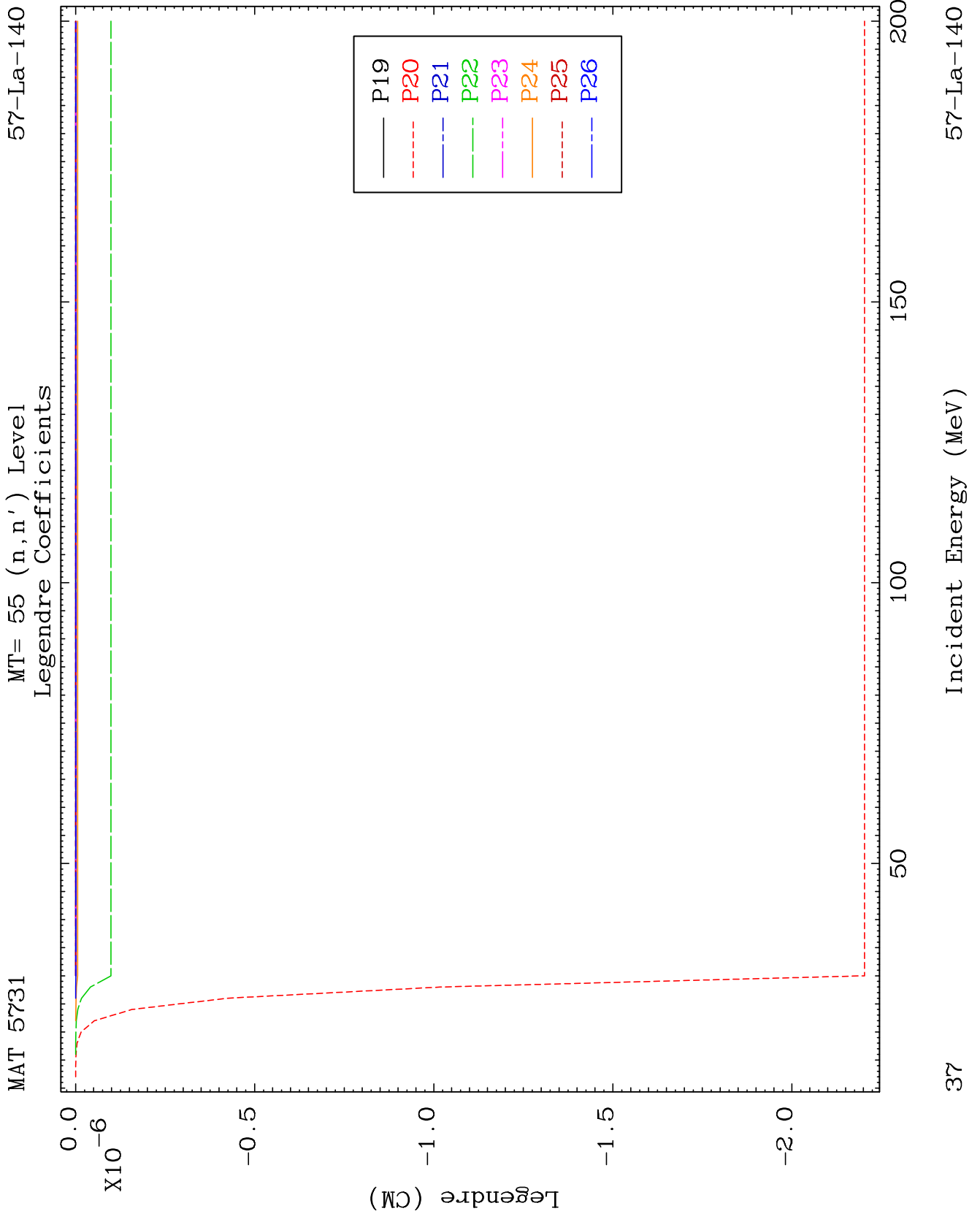
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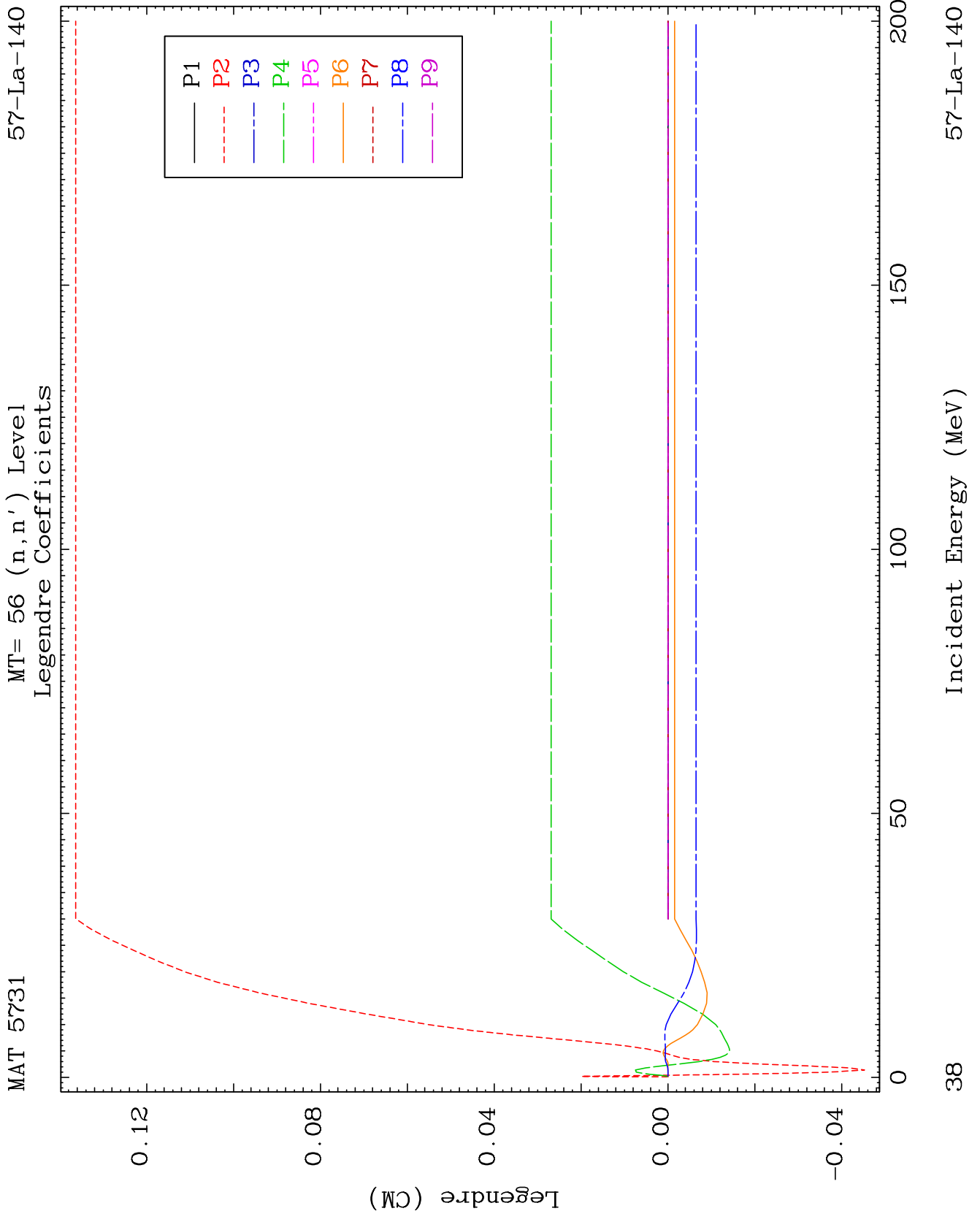


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Incident Energy (MeV)

57-La-140

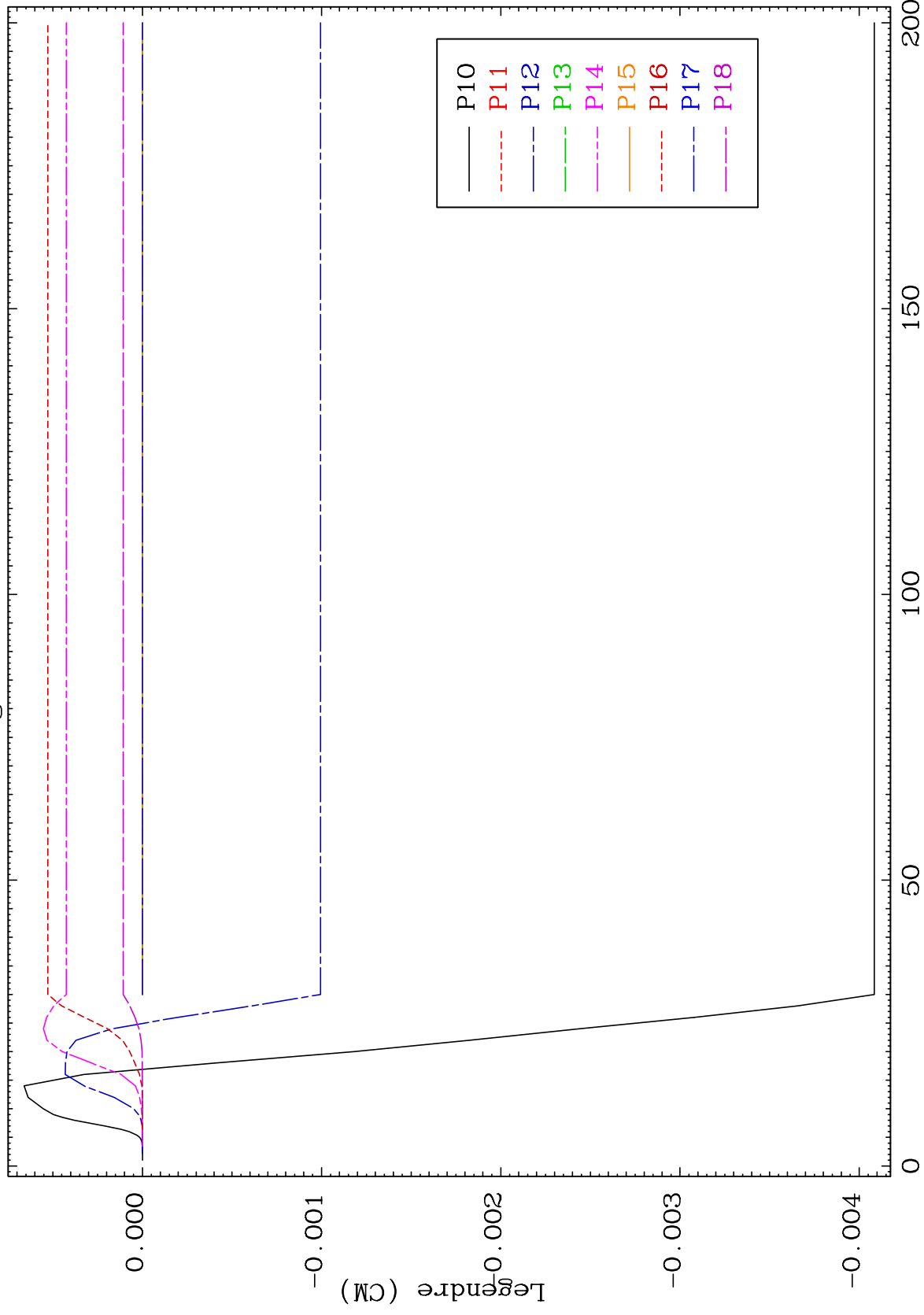




MAT 5731

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Legendre Coefficients

57-La-140



39

Incident Energy (MeV)

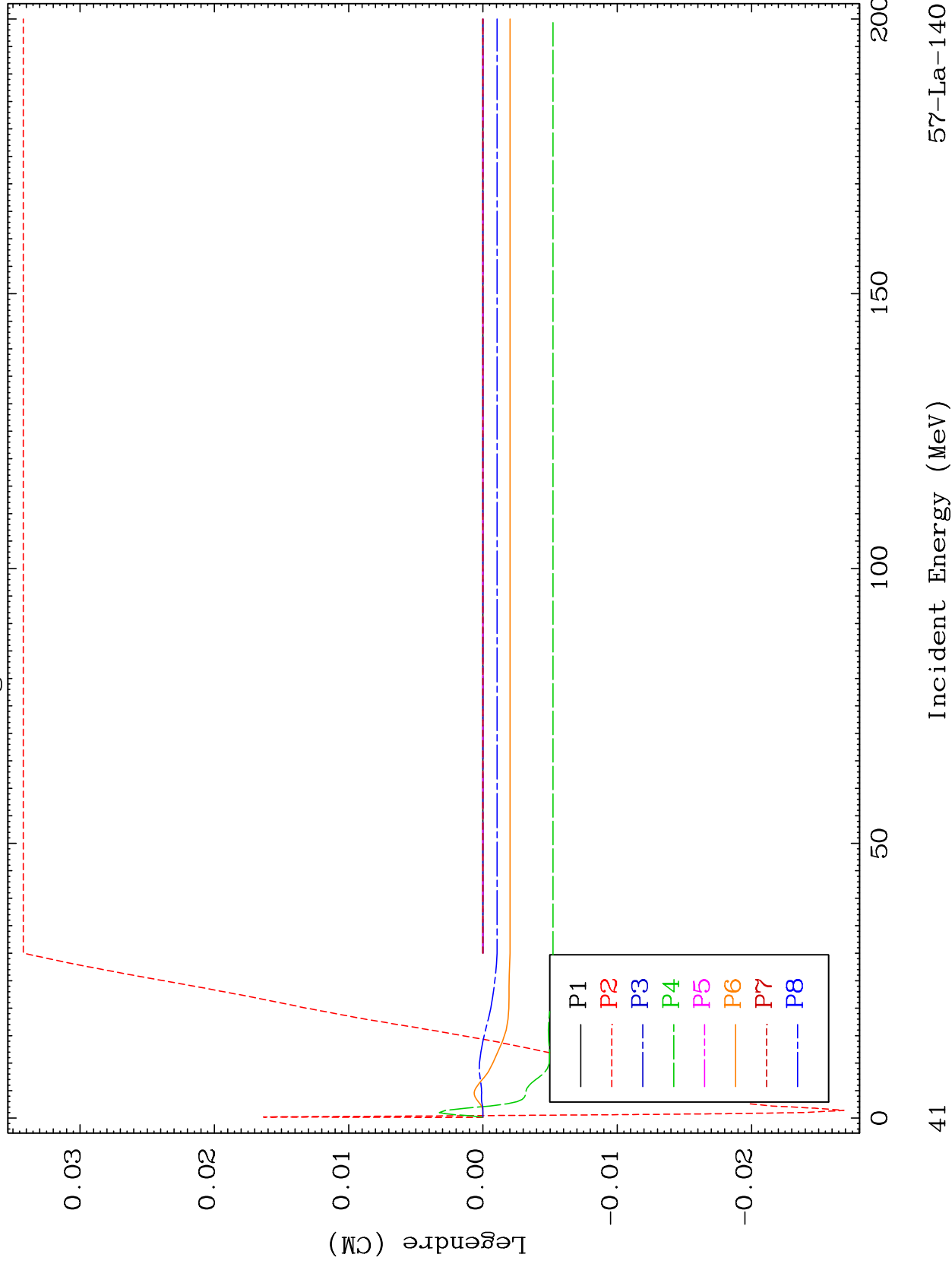
57-La-140



MAT 5731

57-La-140

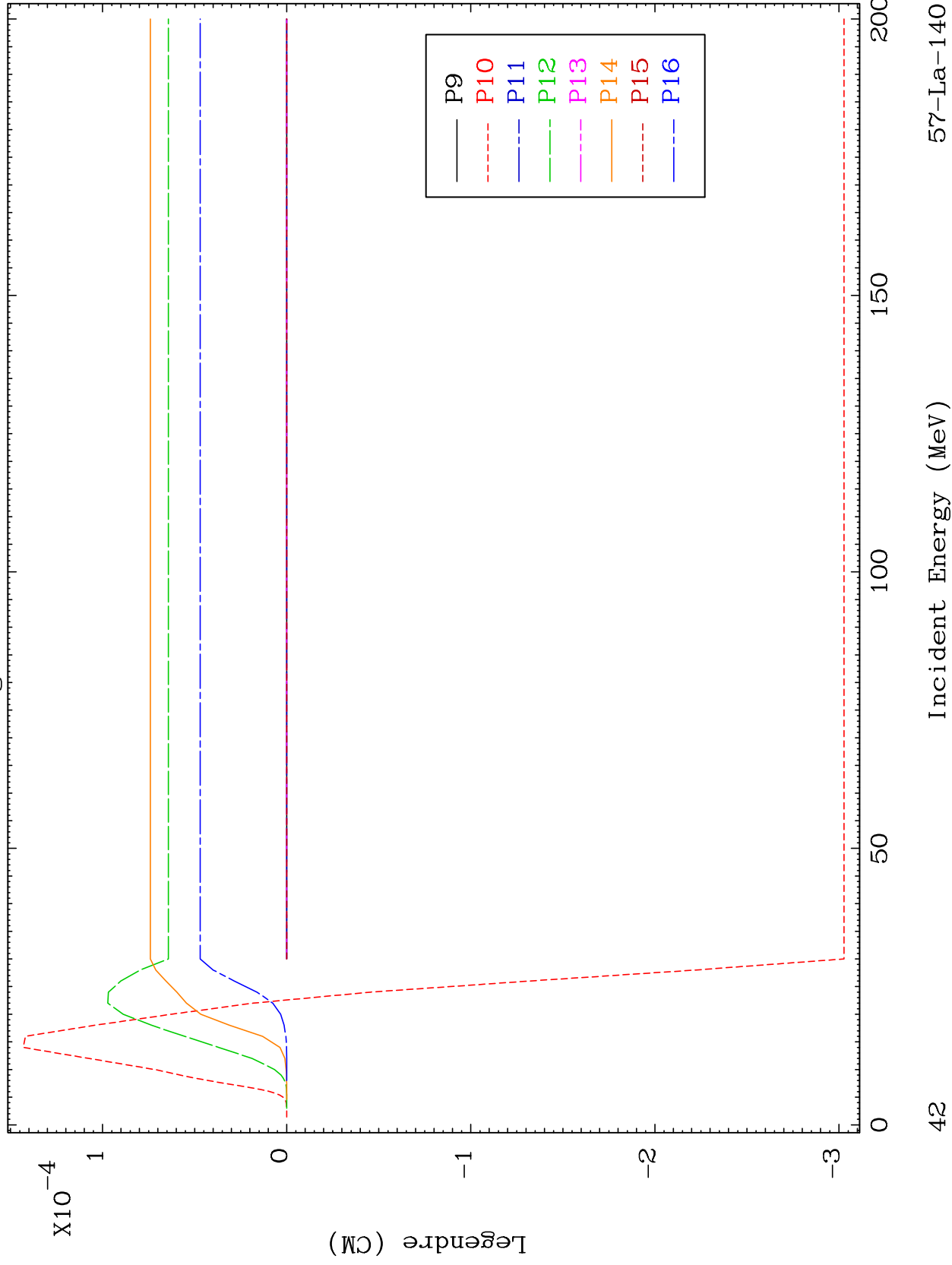
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Legendre Coefficients

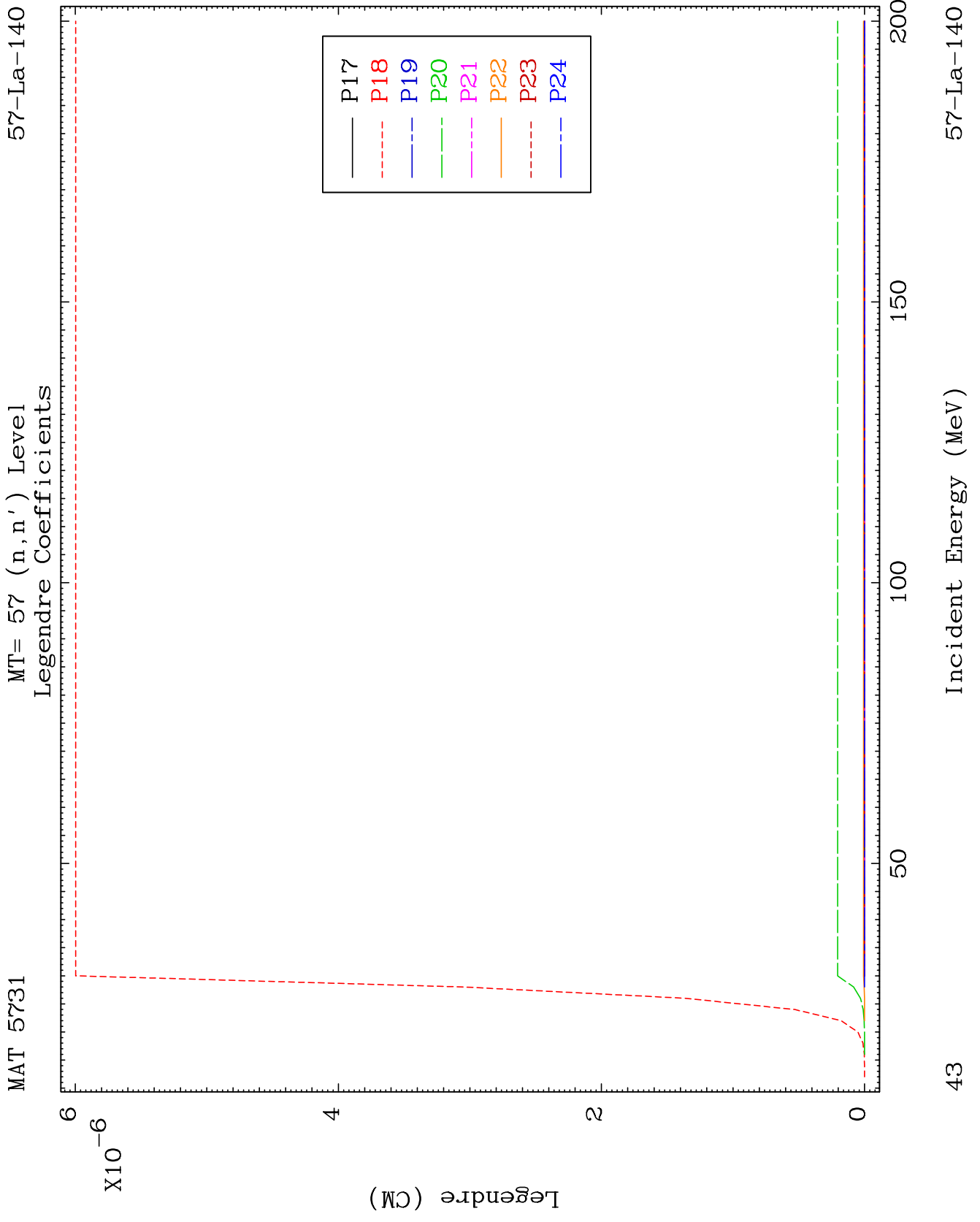


MAT 5731

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

57-La-140

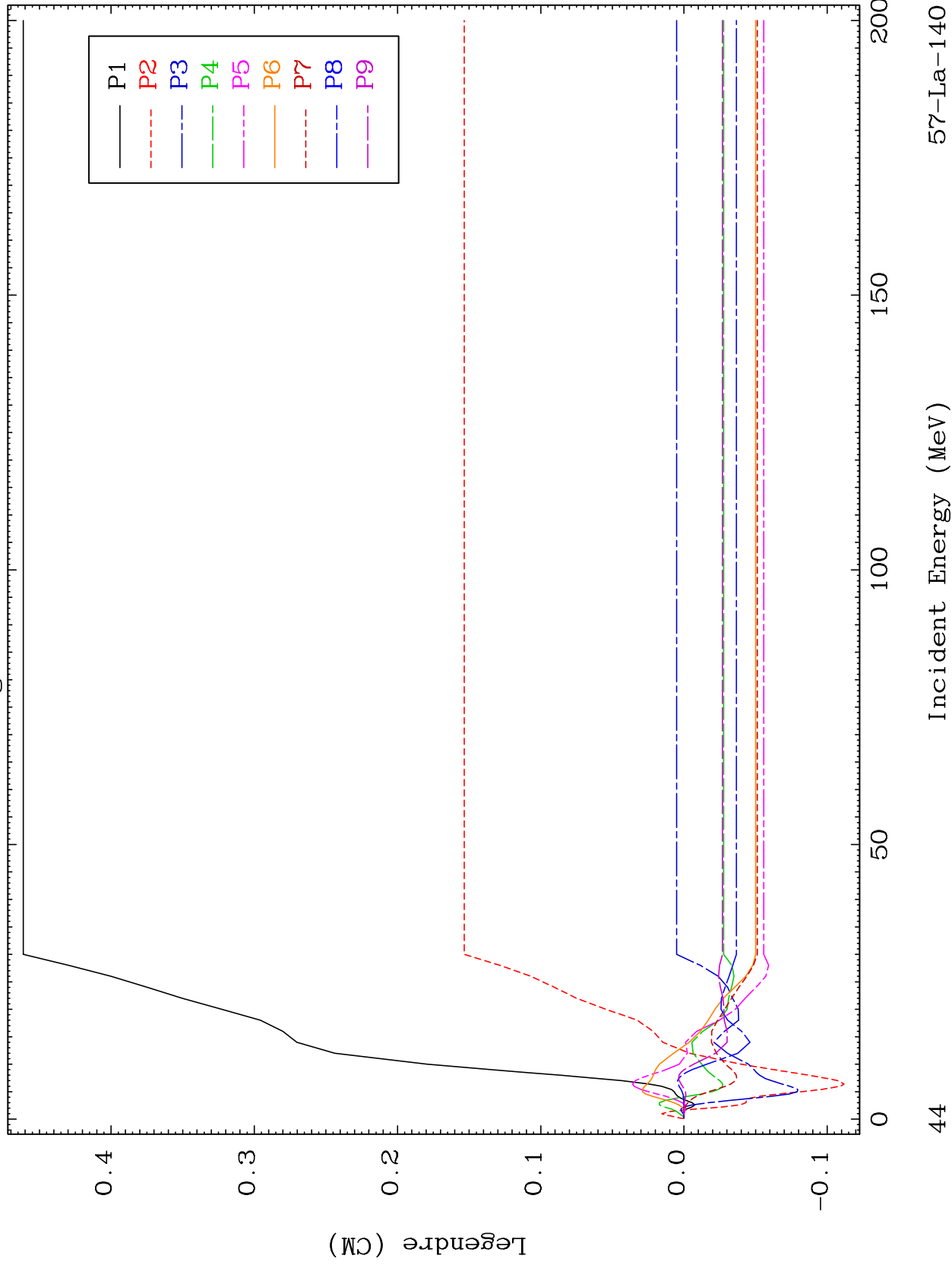




MAT 5731

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

57-La-140



57-La-140

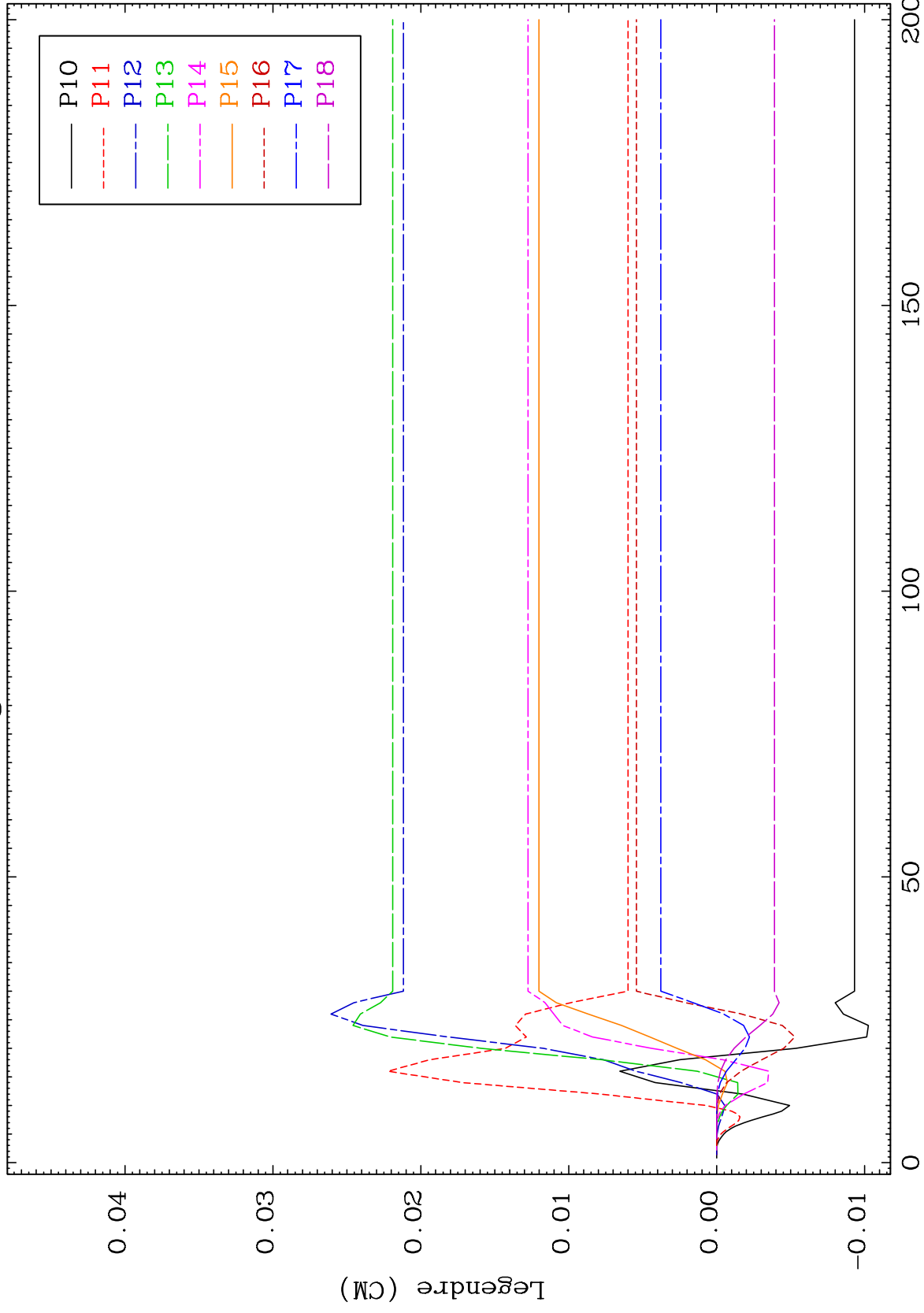
Incident Energy (MeV)

44

MAT 5731

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

57-La-140



45

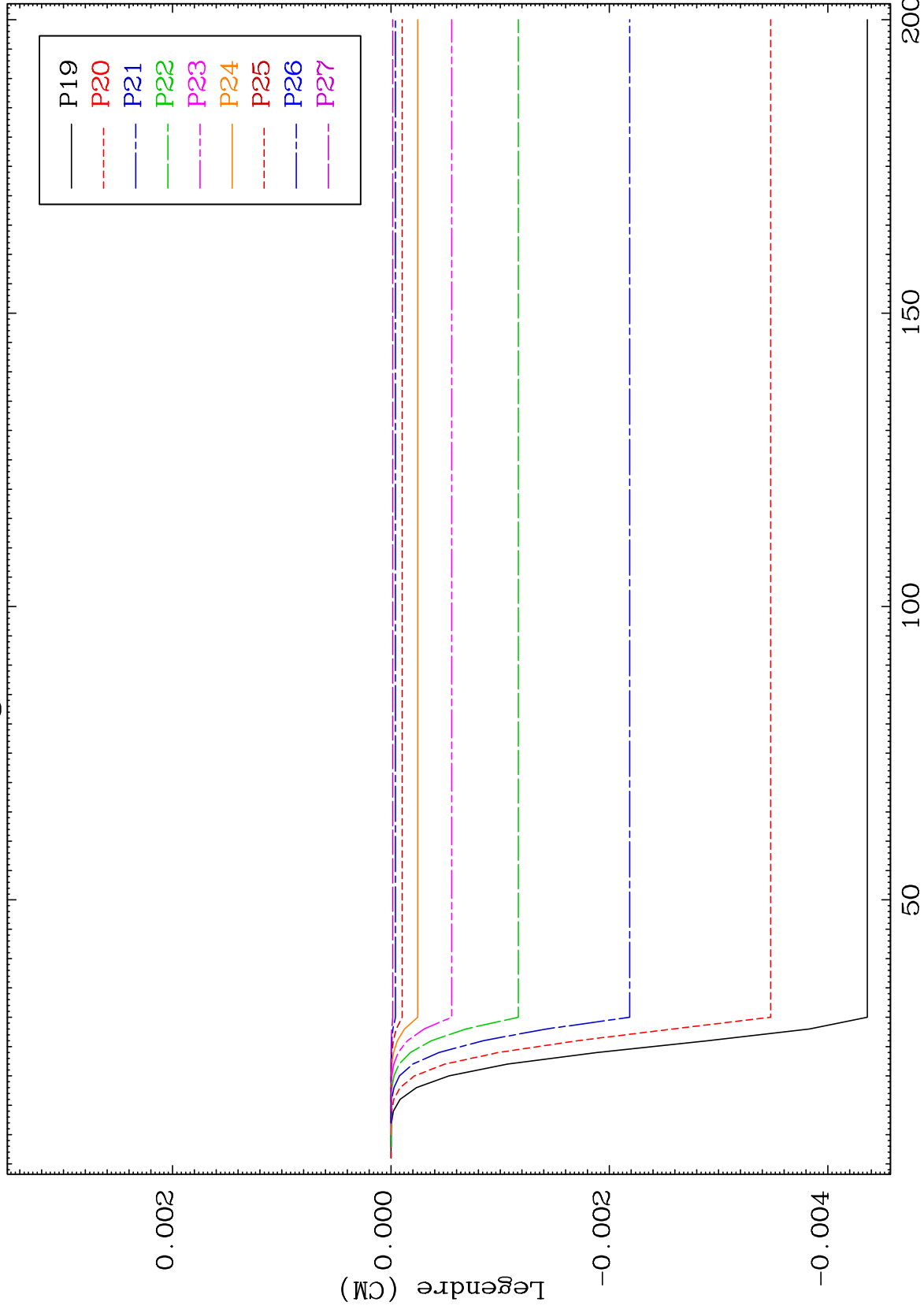
Incident Energy (MeV)

57-La-140

MAT 5731

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

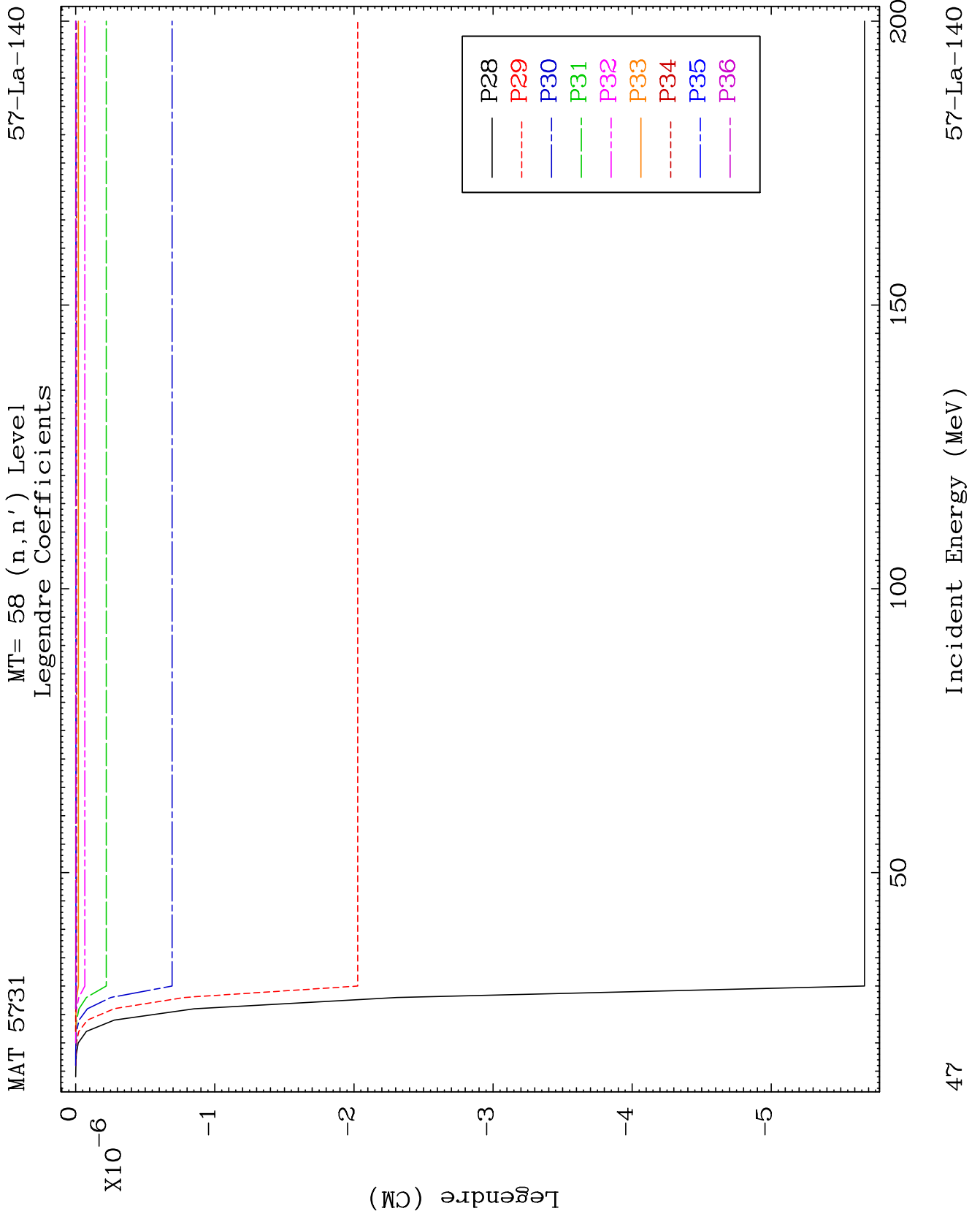
57-La-140



46

Incident Energy (MeV)

57-La-140

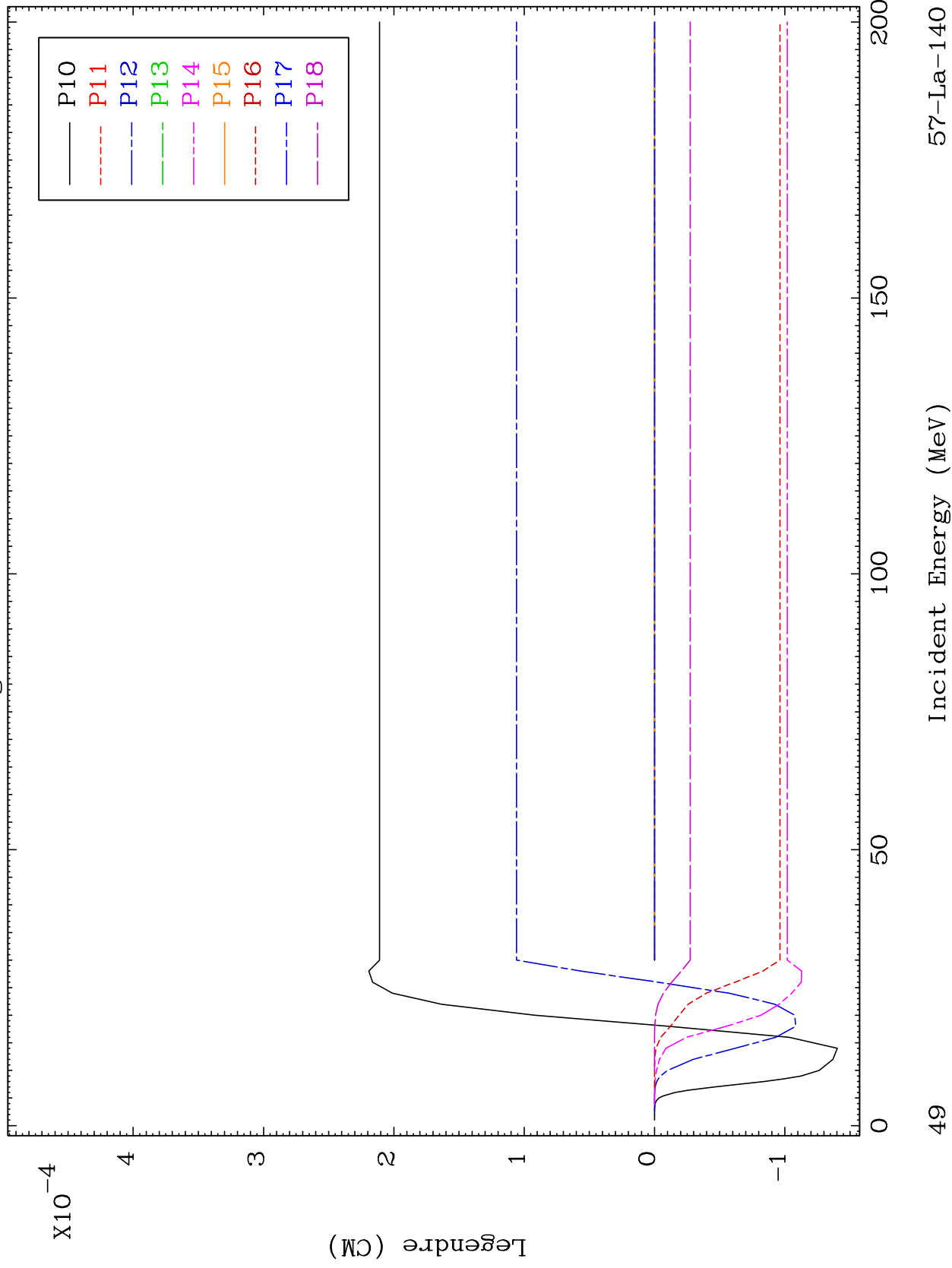




MAT 5731

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

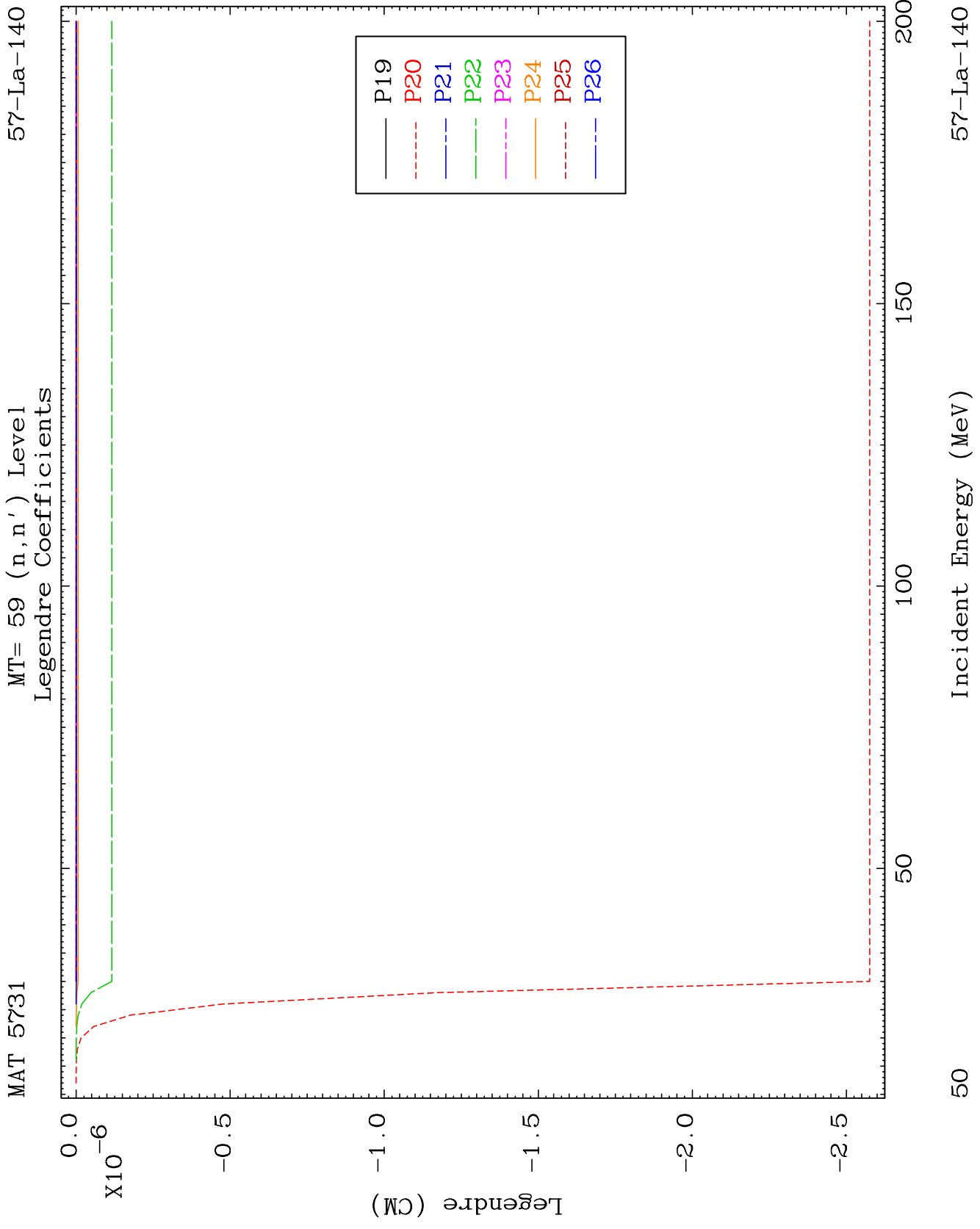
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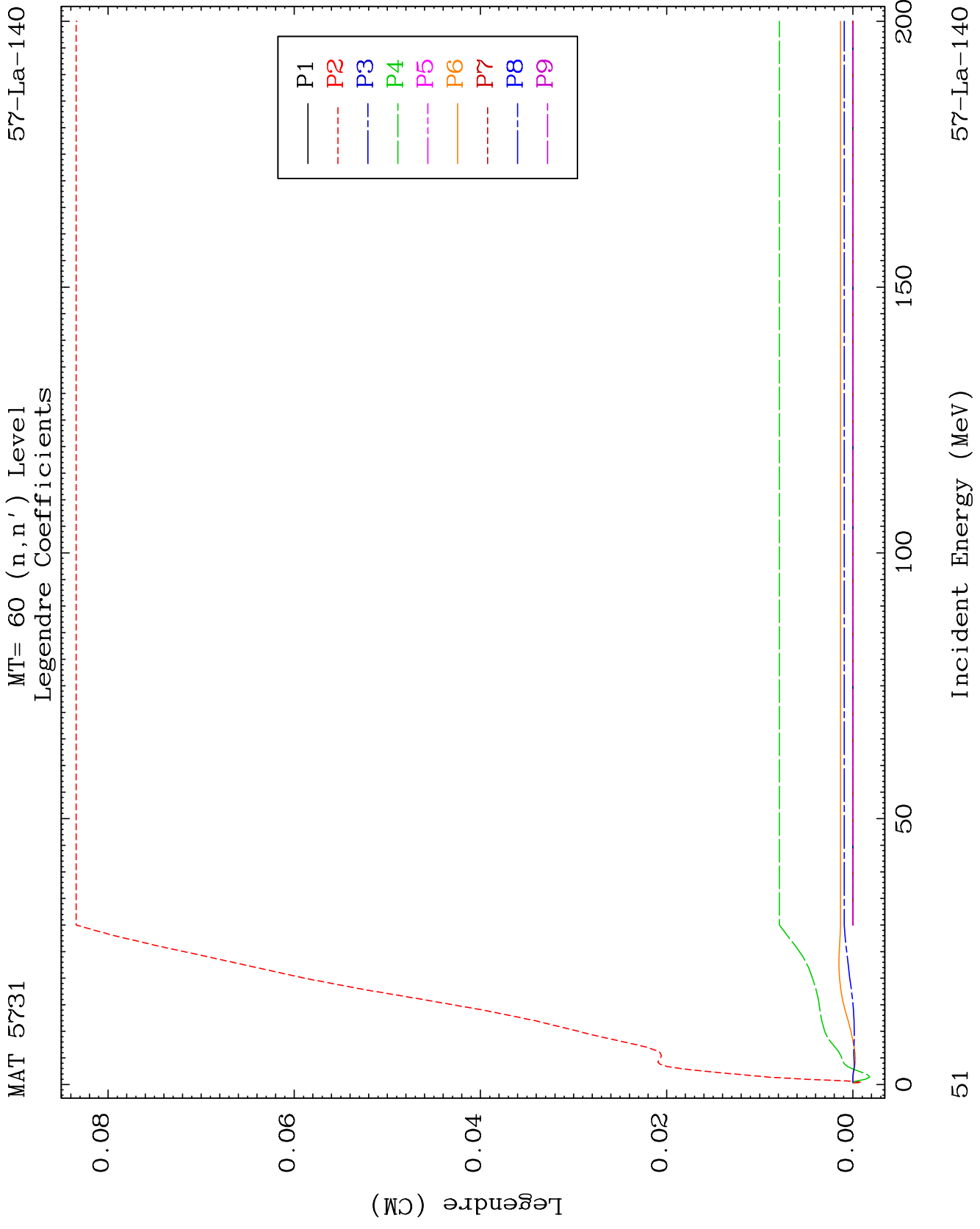


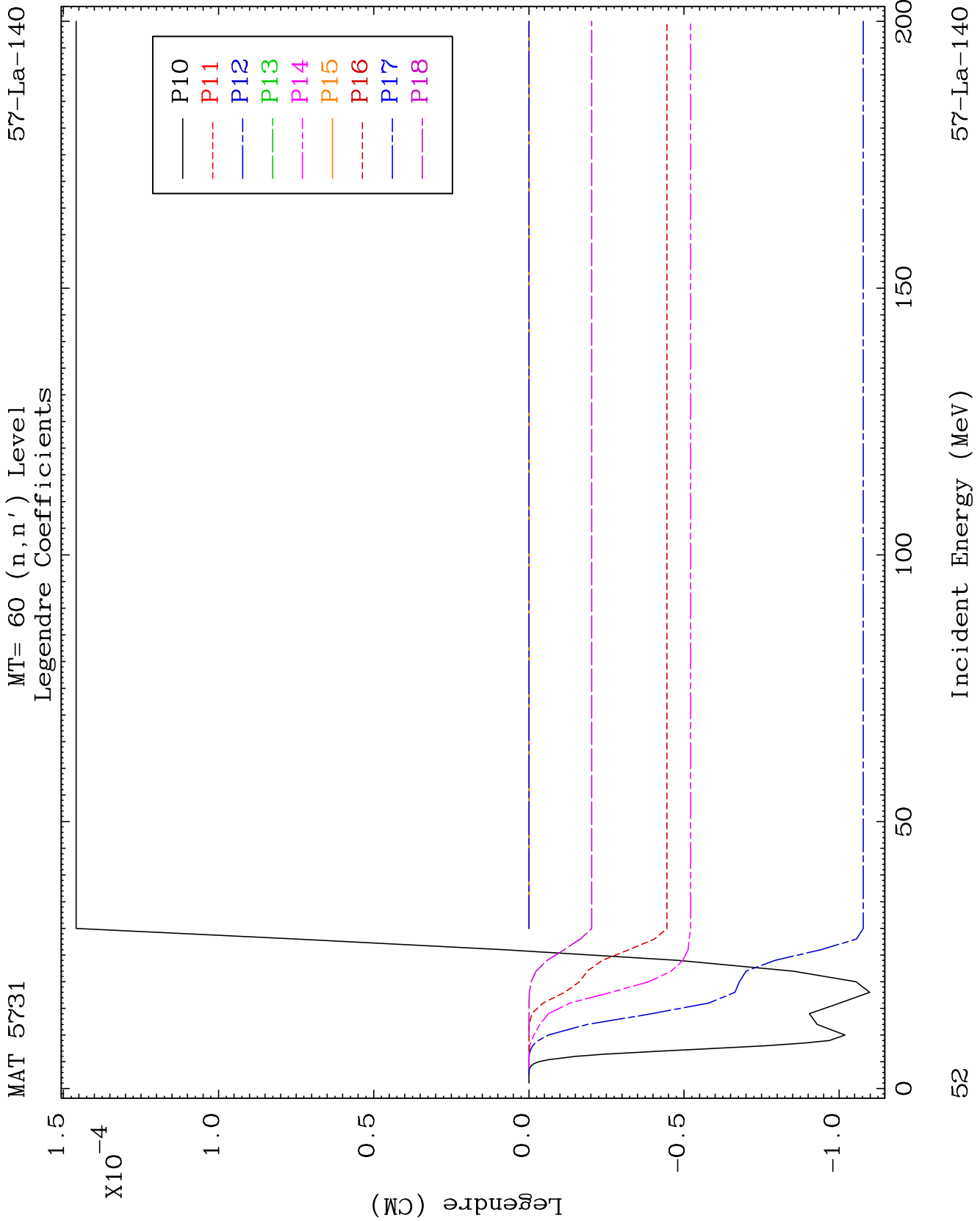
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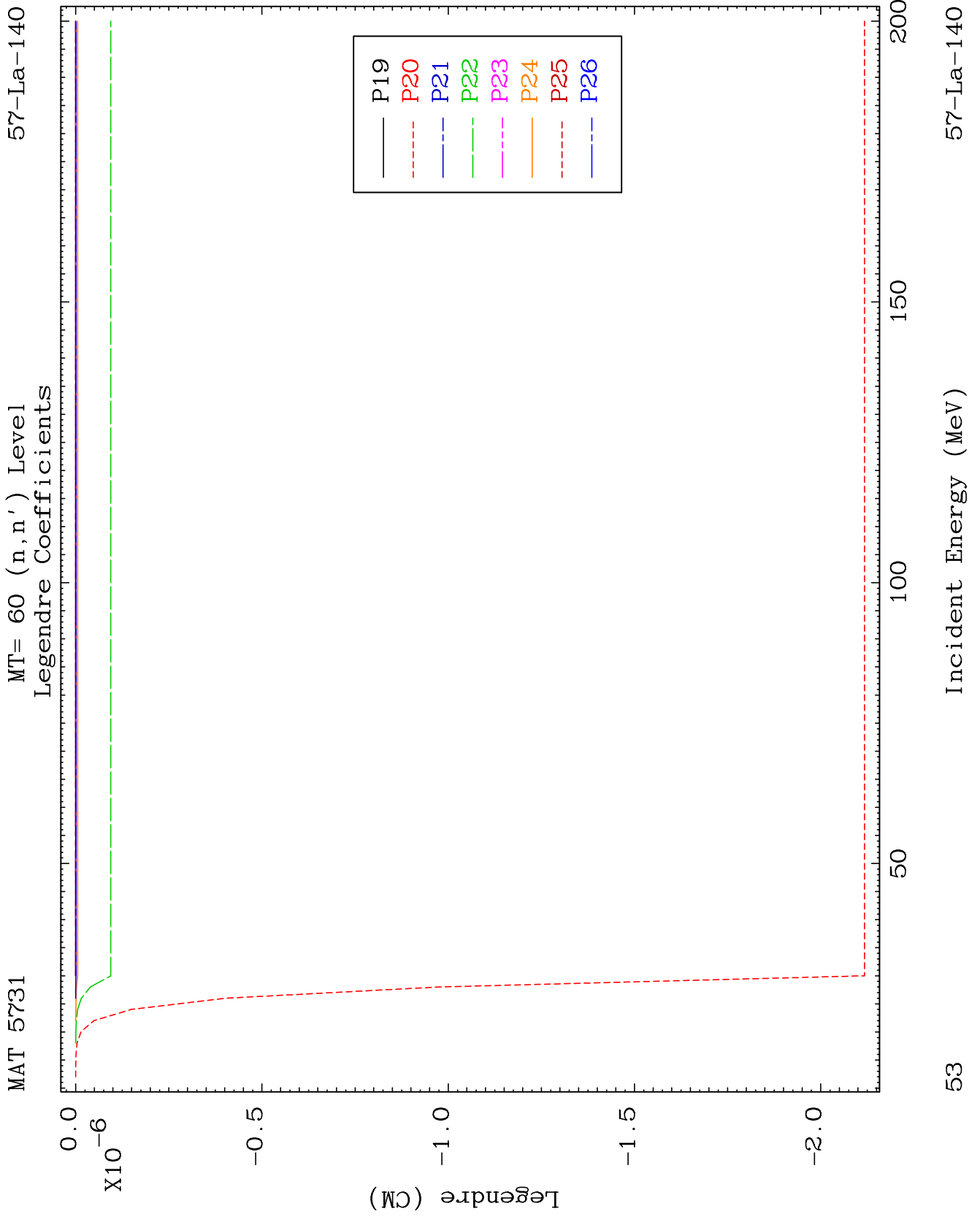
Incident Energy (MeV)

49





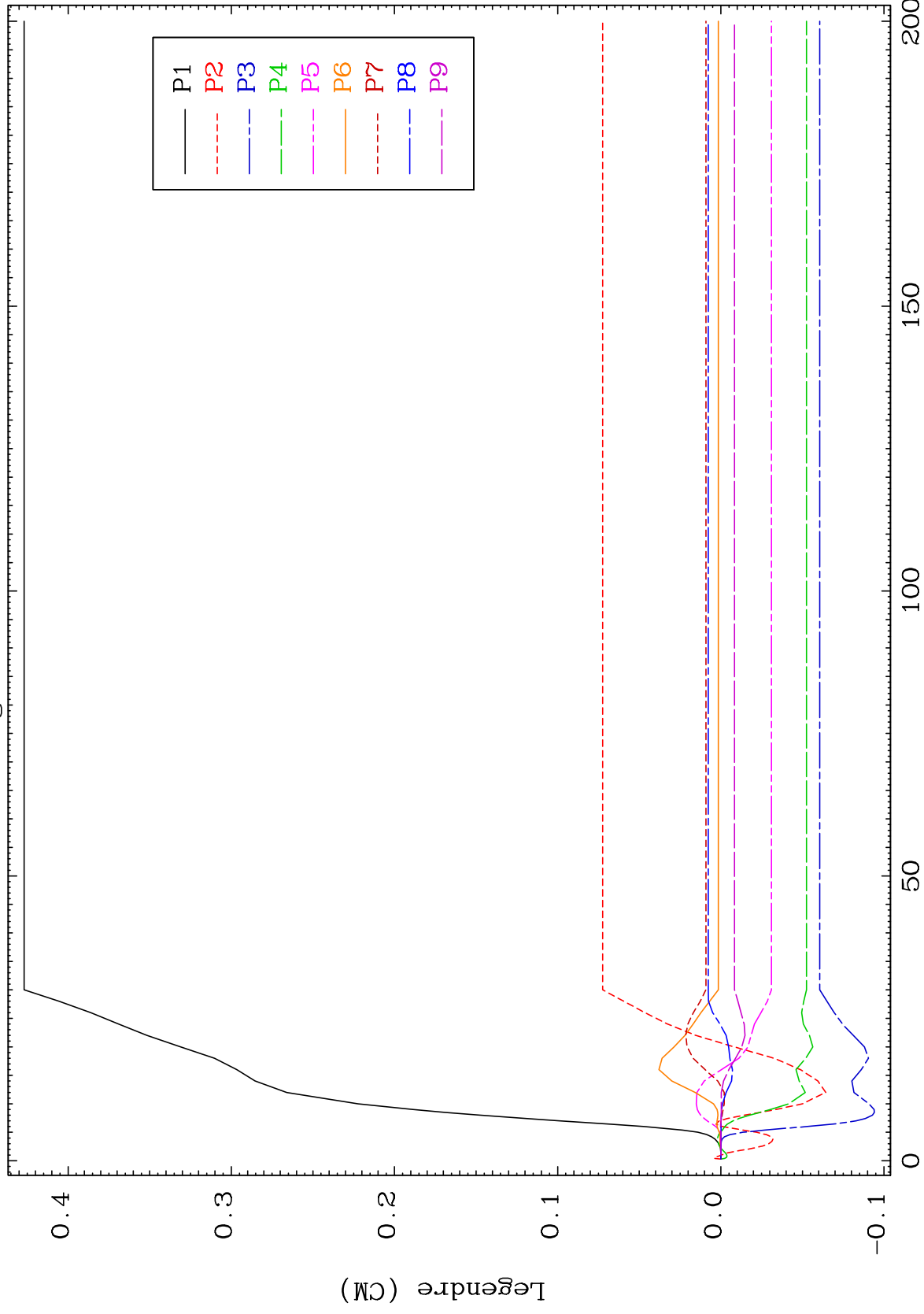




MAT 5731

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

57-La-140



54

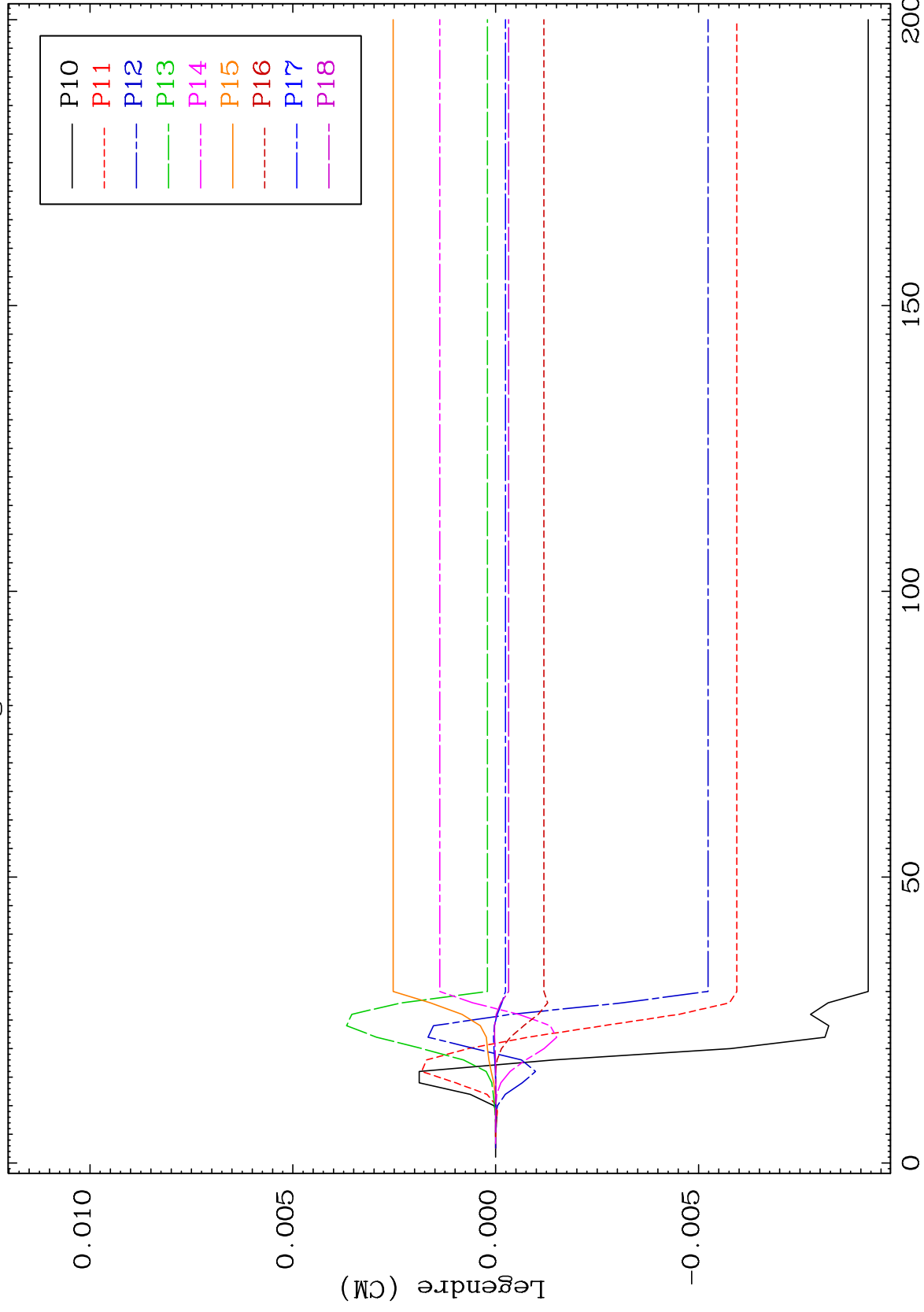
Incident Energy (MeV)

57-La-140

MAT 5731

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

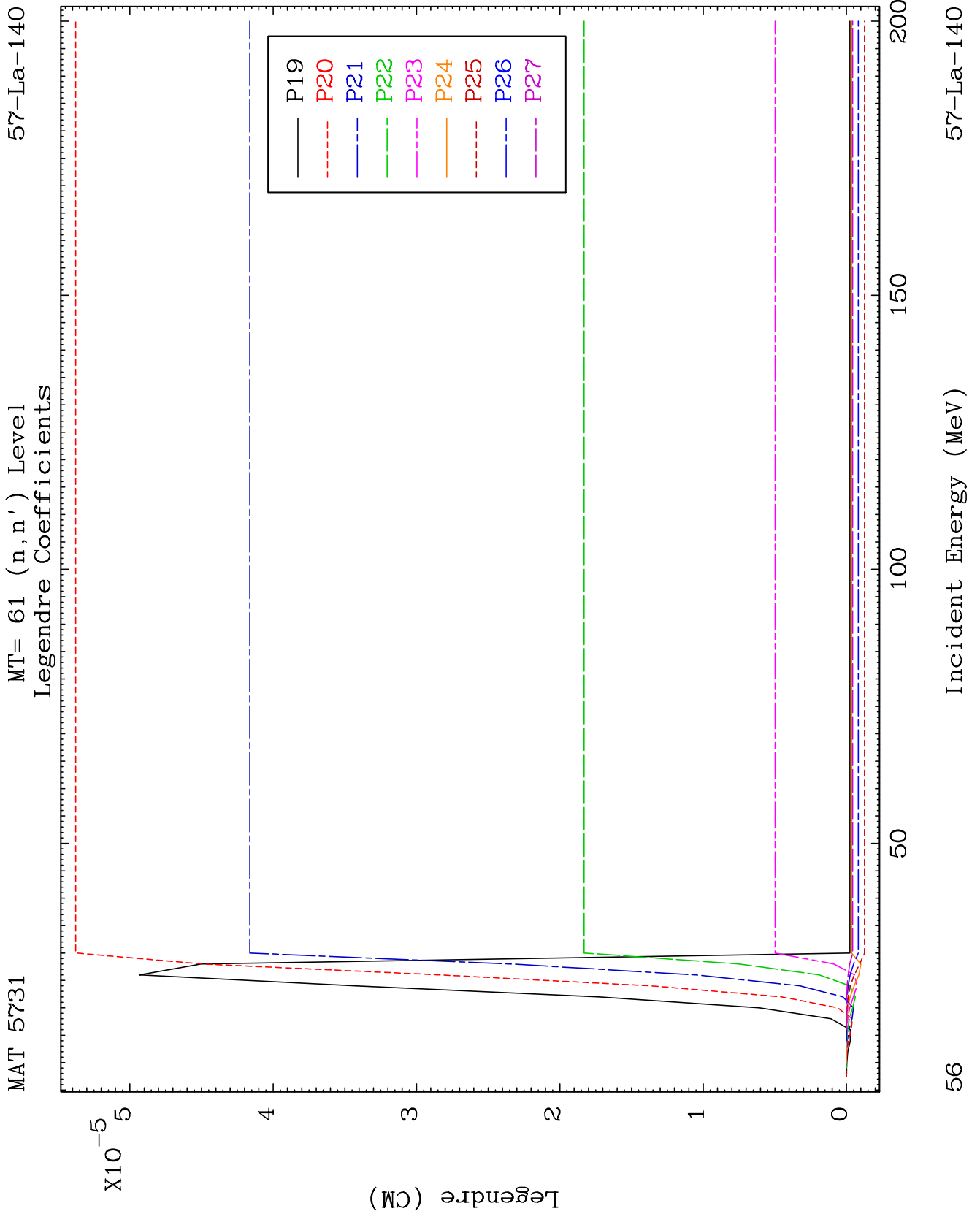
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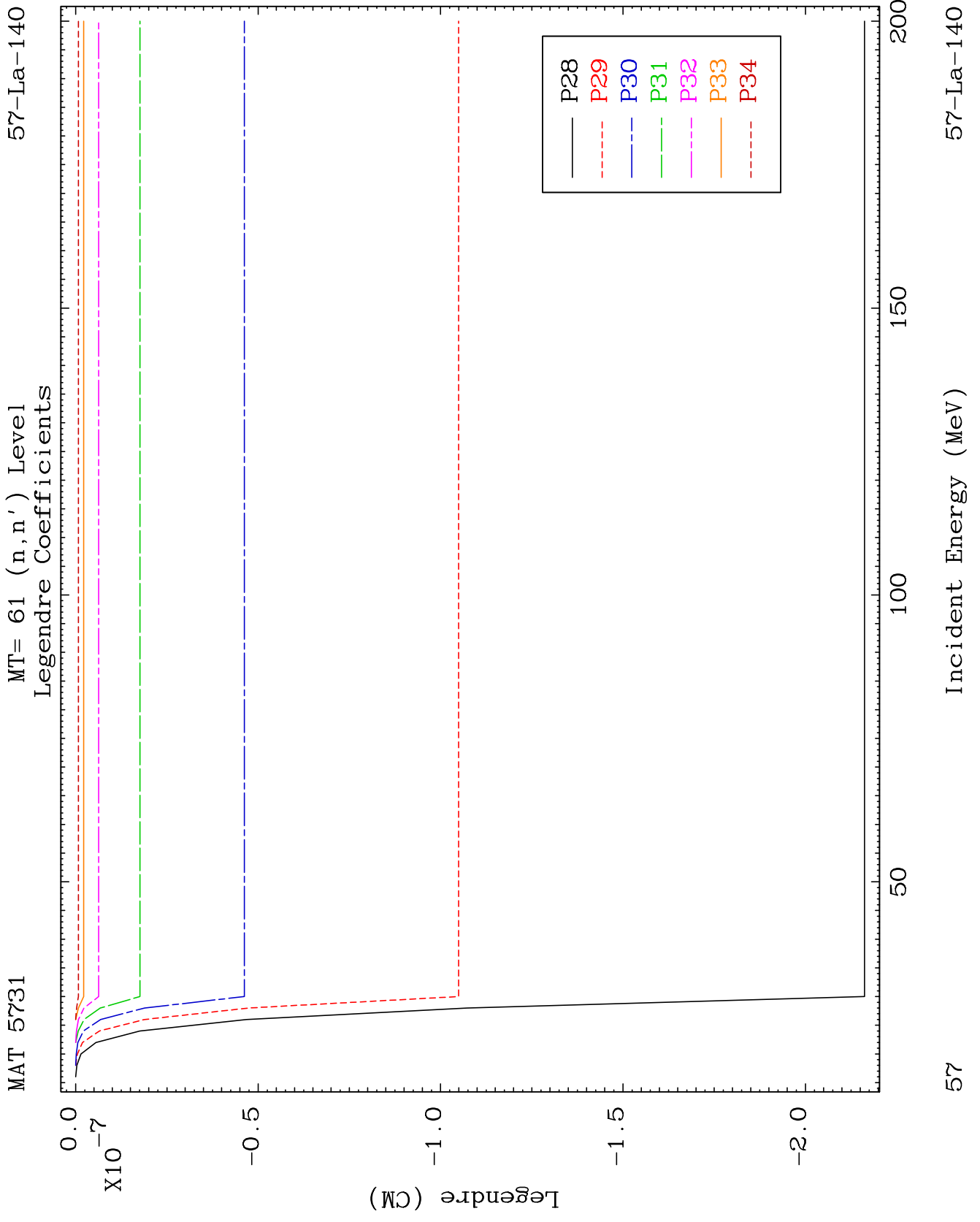


55

Incident Energy (MeV)

57-La-140

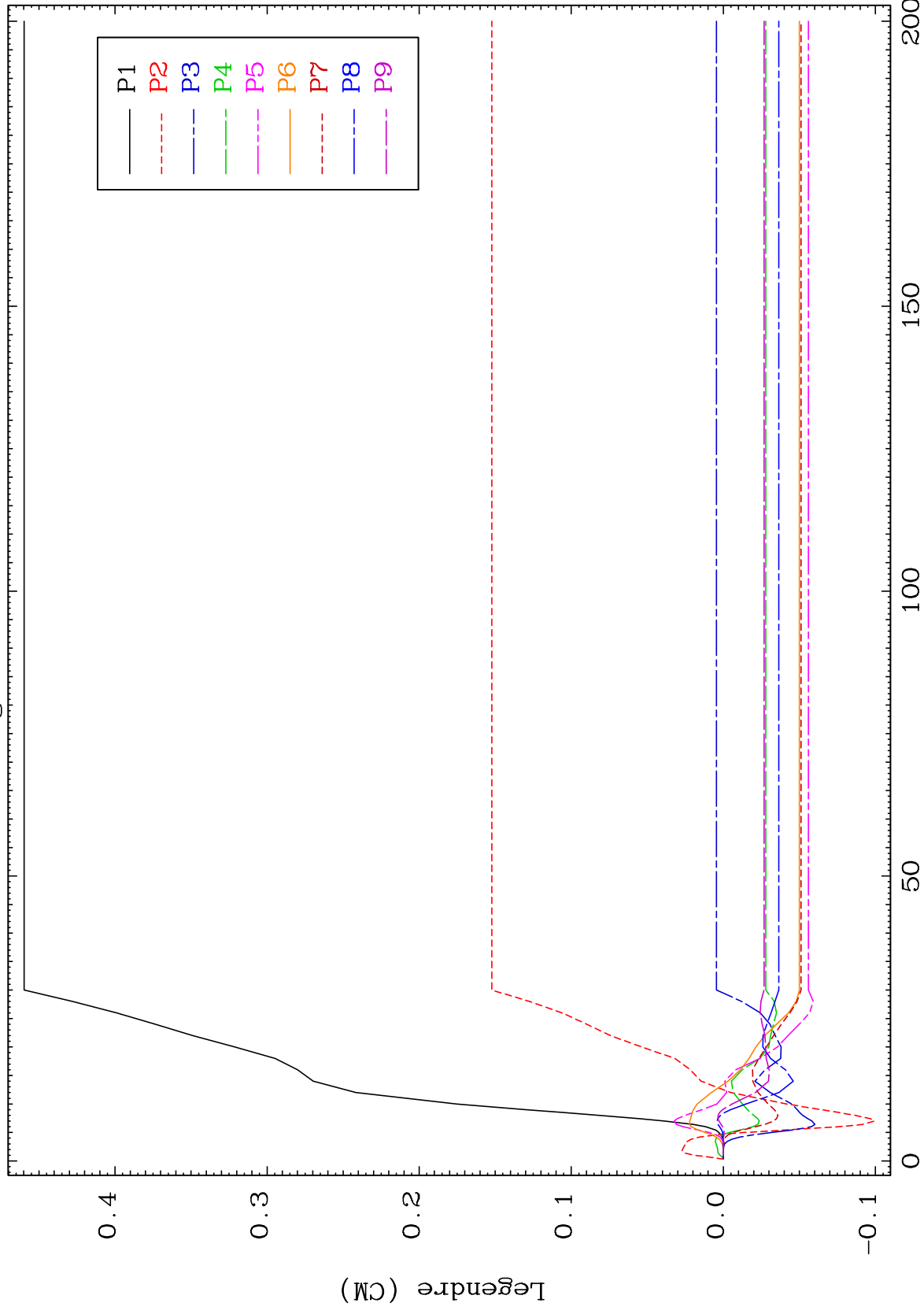




MAT 5731

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

57-La-140



58

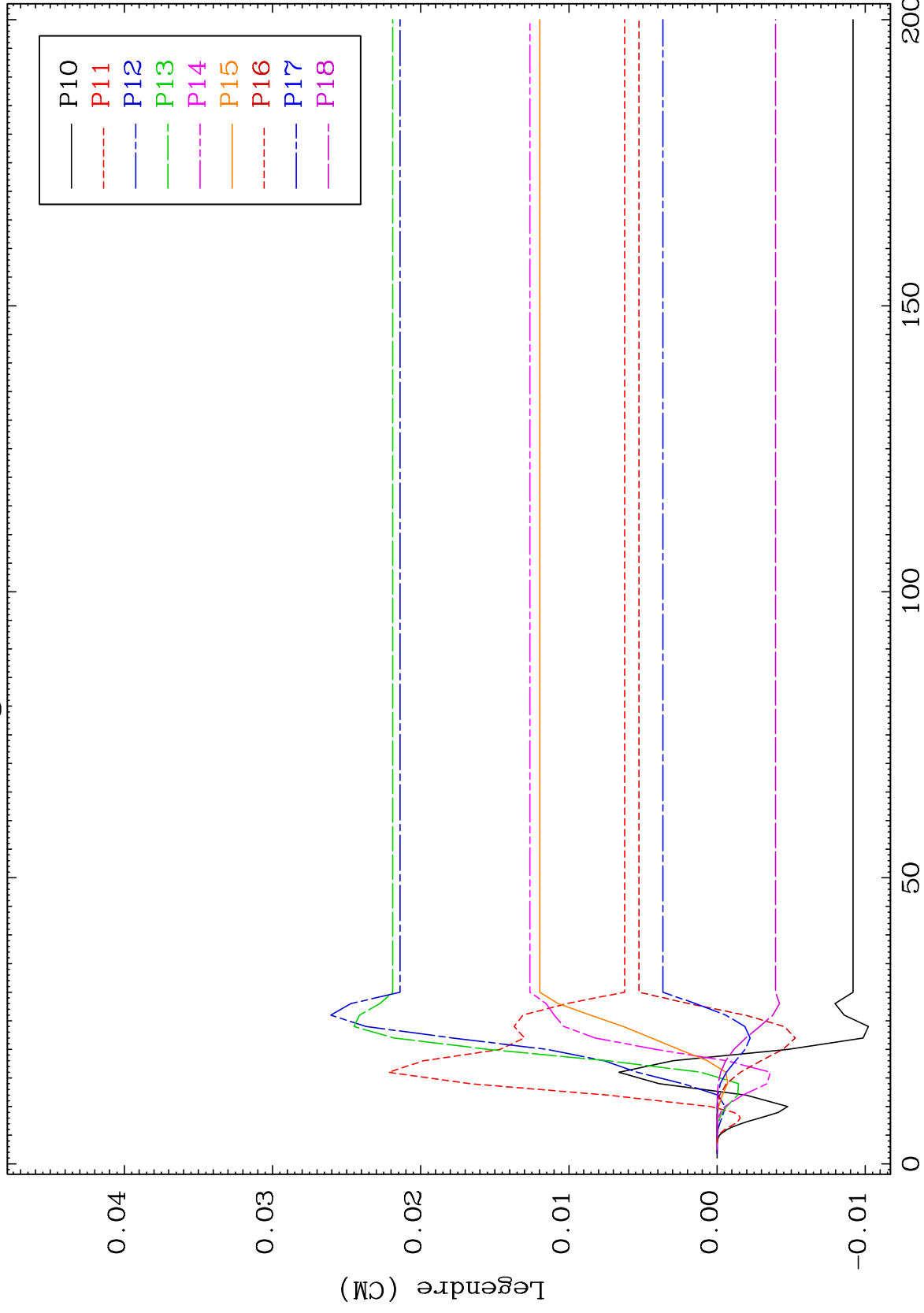
Incident Energy (MeV)

57-La-140

MAT 5731

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

57-La-140



59

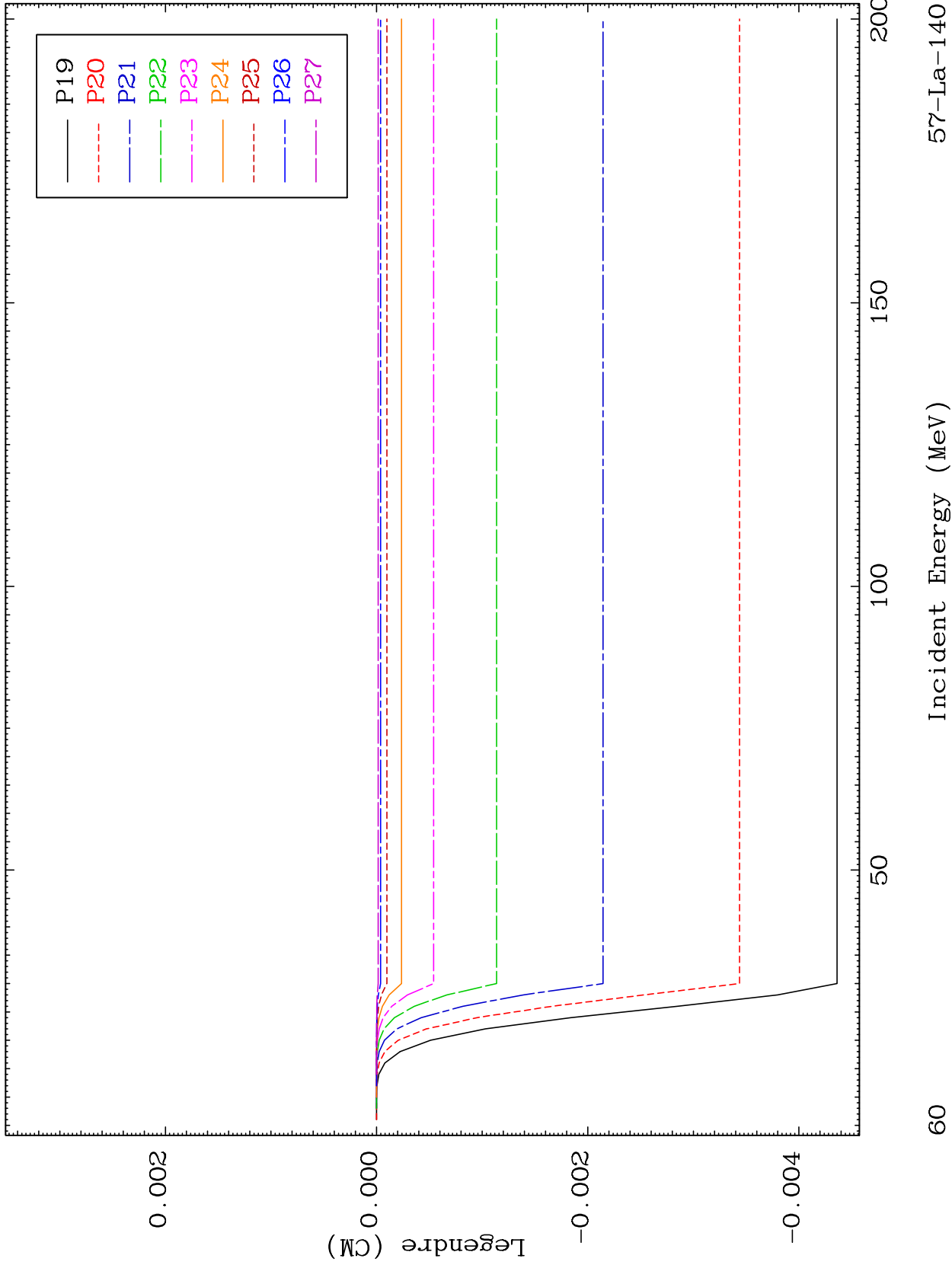
Incident Energy (MeV)

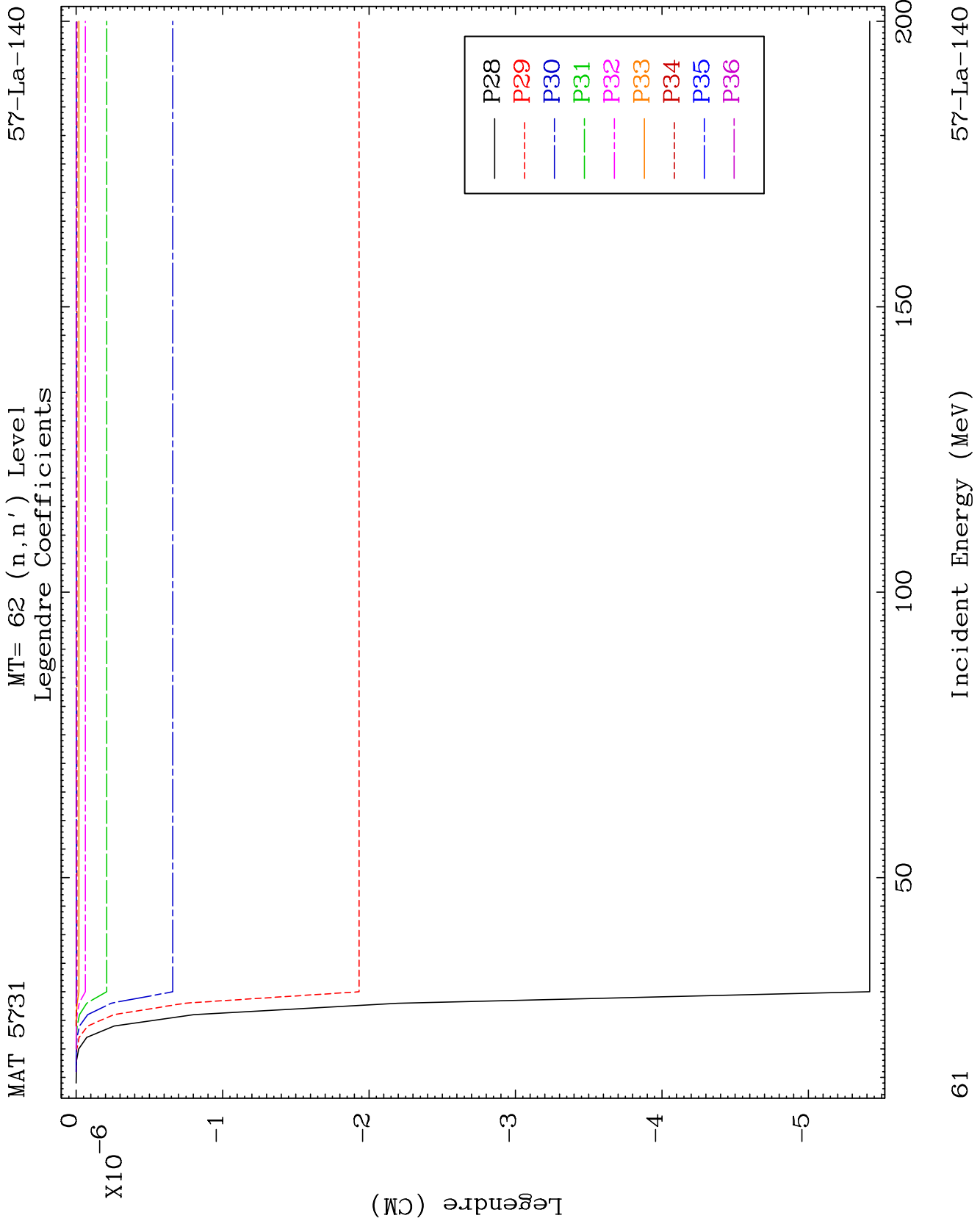
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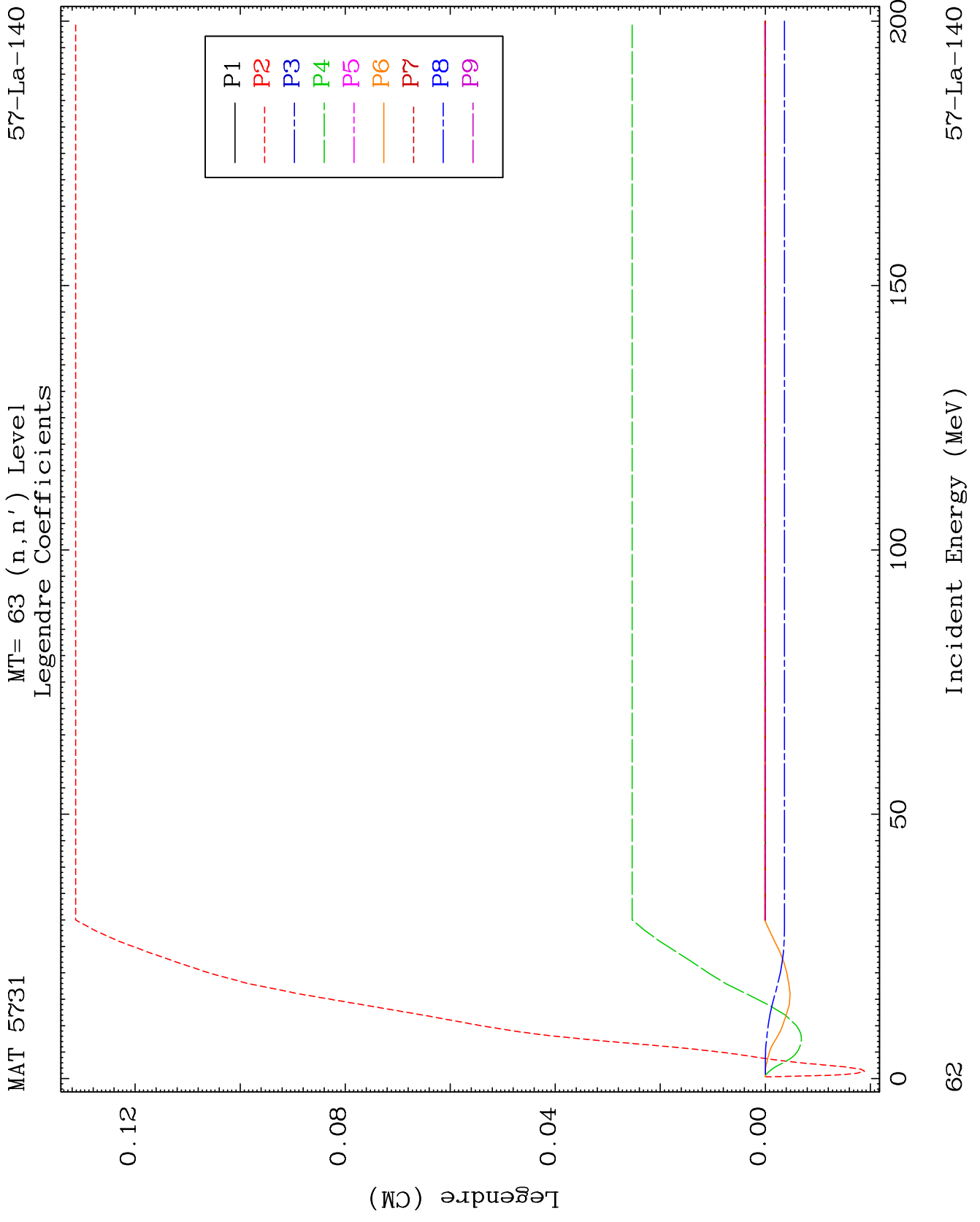
MAT 5731

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

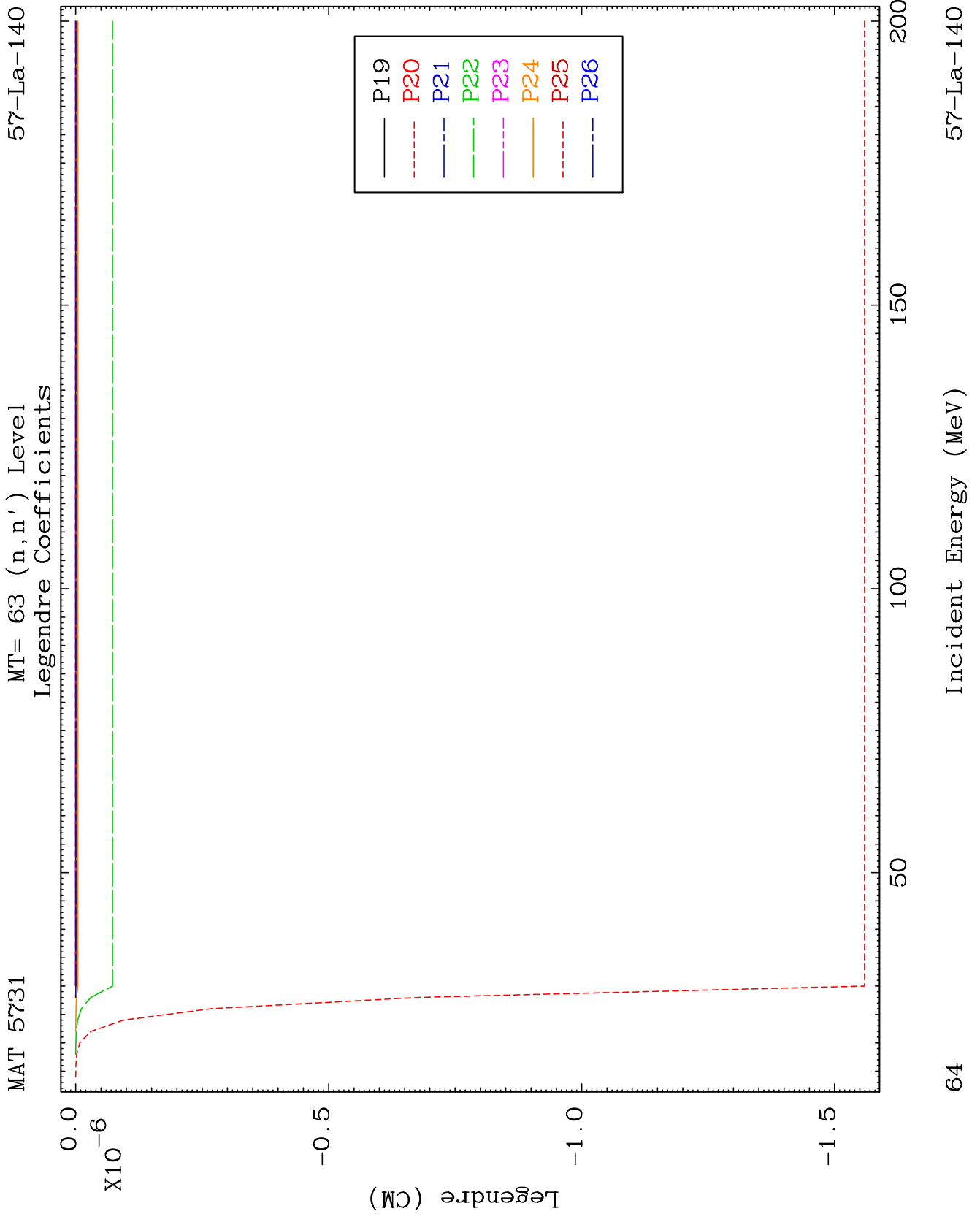
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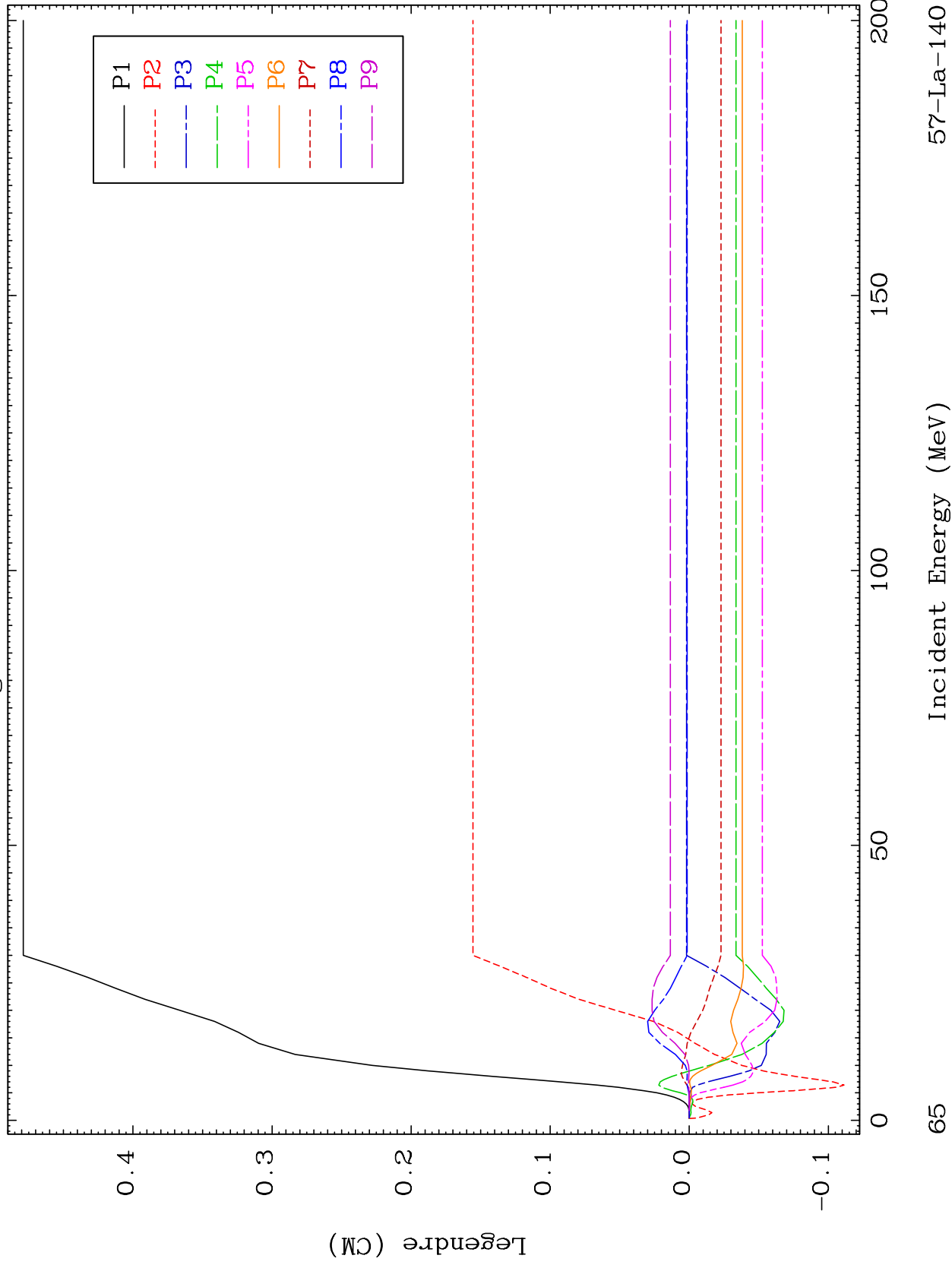




MAT 5731

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

57-La-140



57-La-140

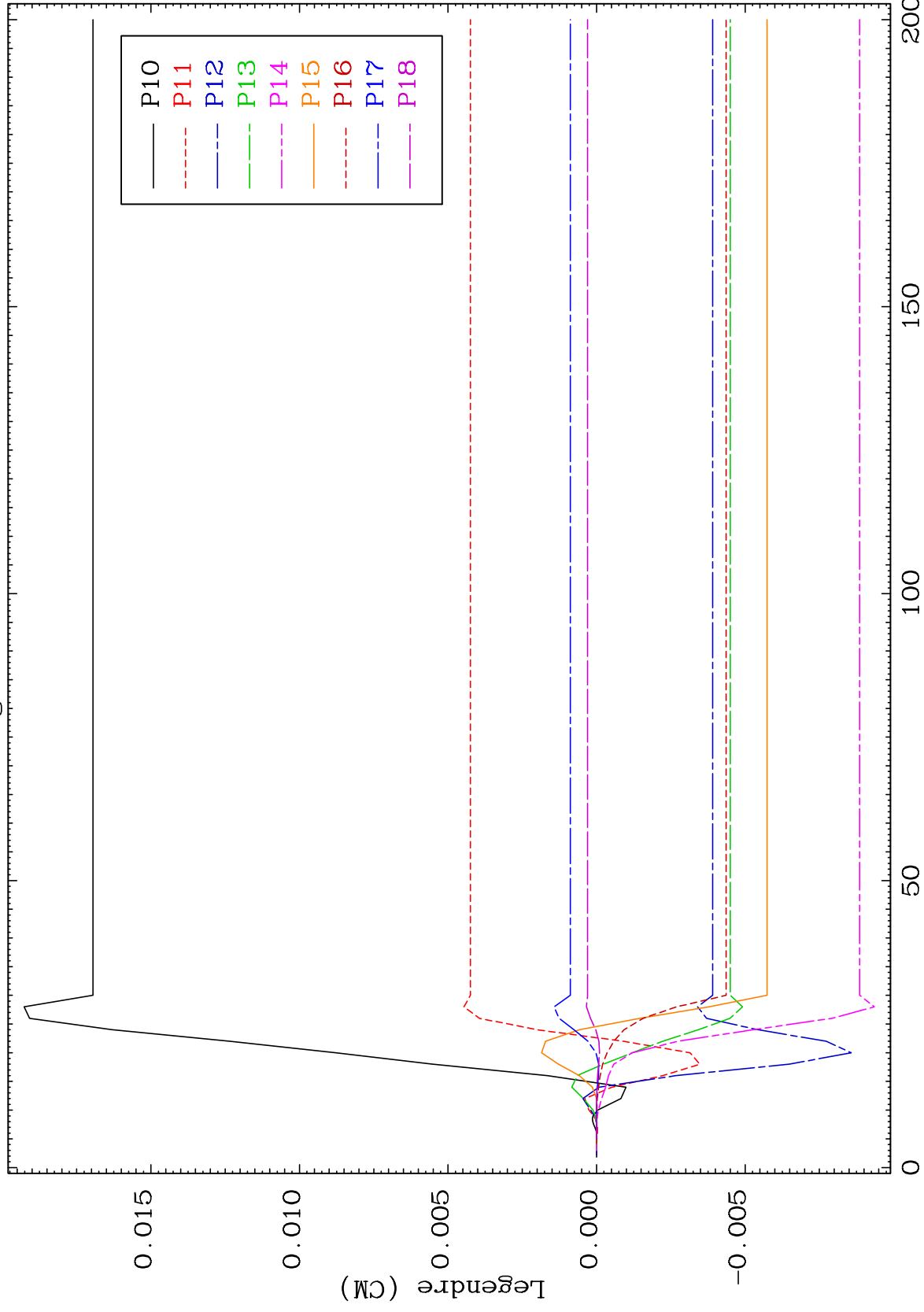
Incident Energy (MeV)

65

MAT 5731

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

57-La-140



66

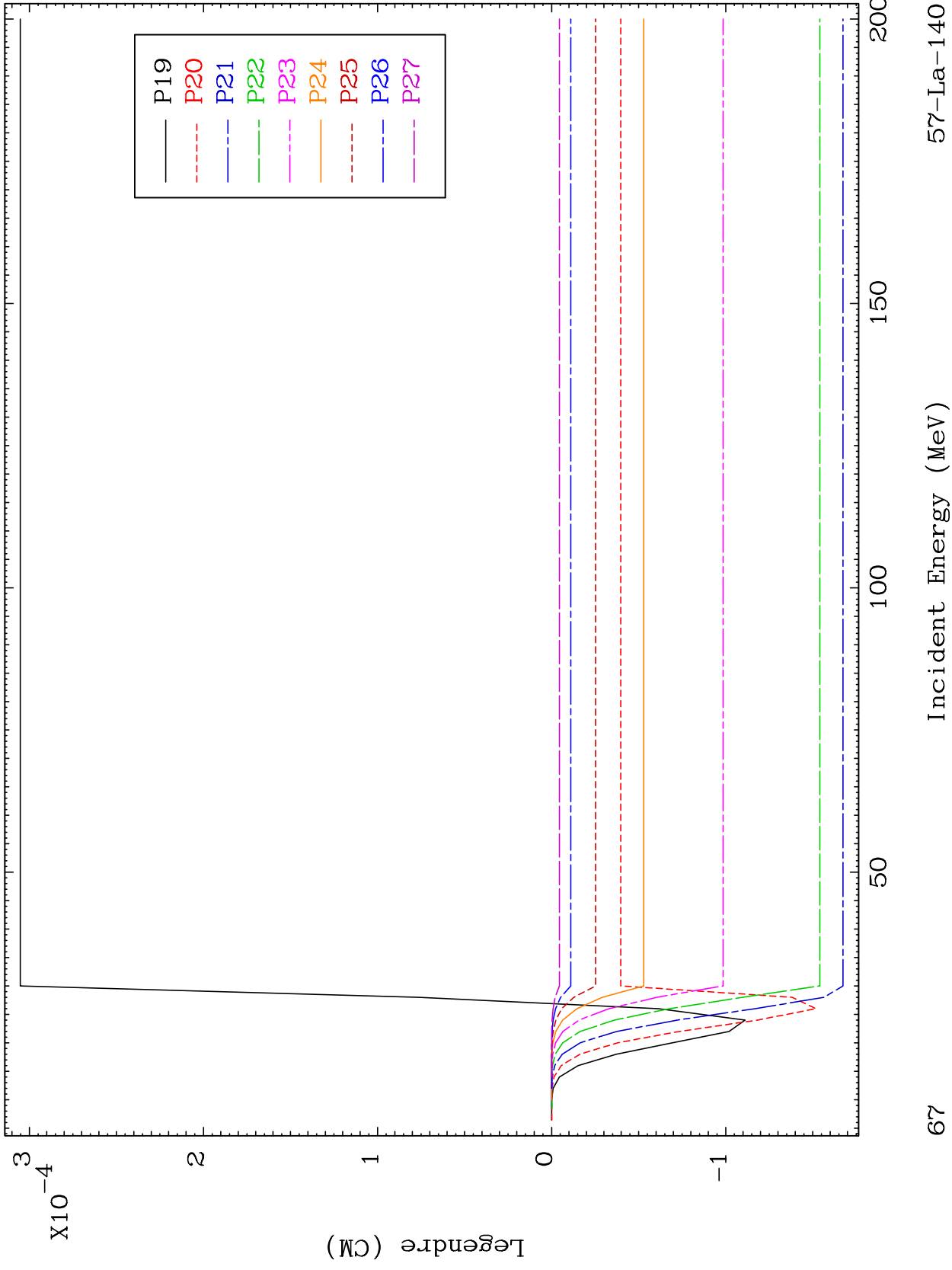
Incident Energy (MeV)

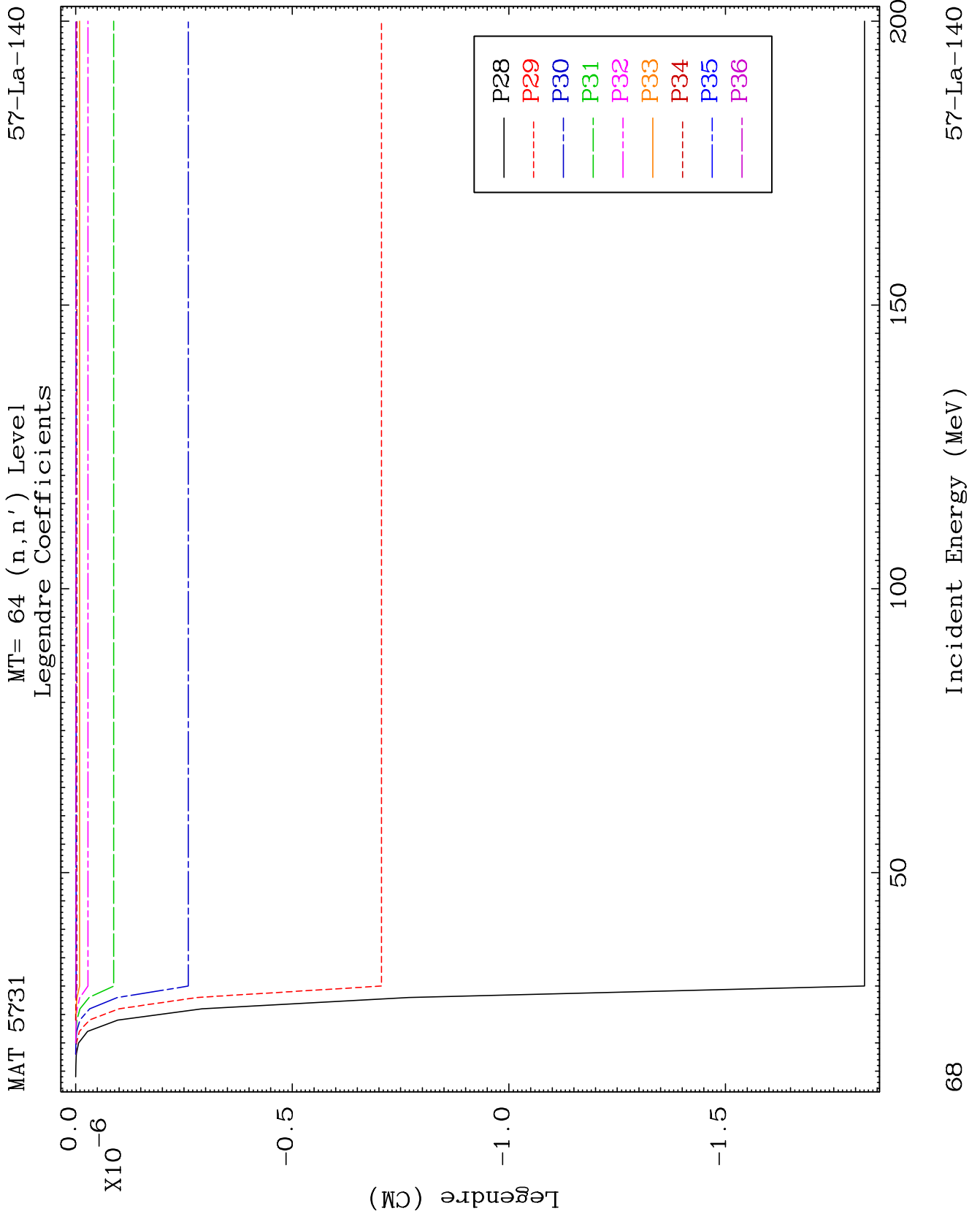
57-La-140

MAT 5731

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

57-La-140

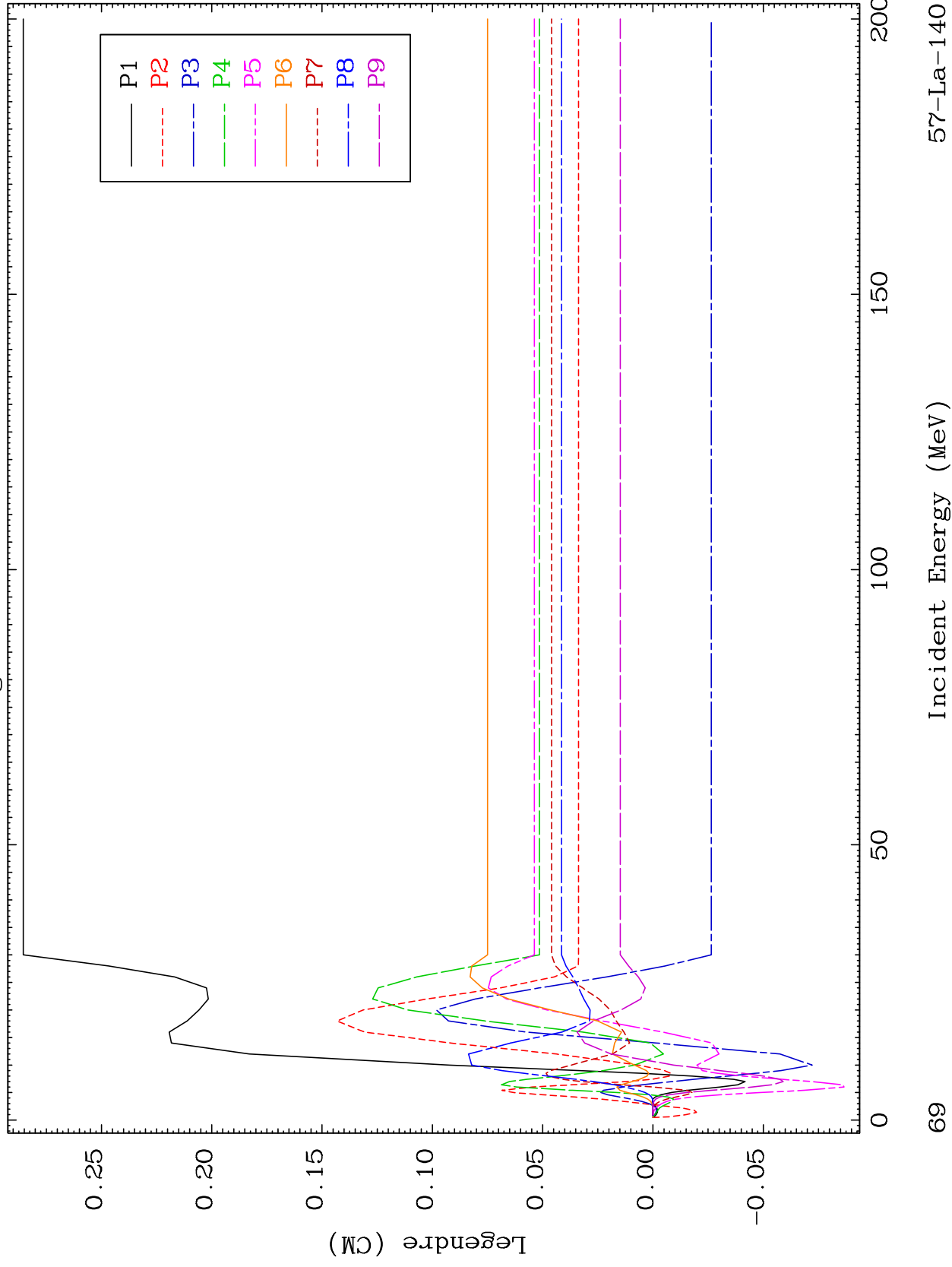




MAT 5731

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

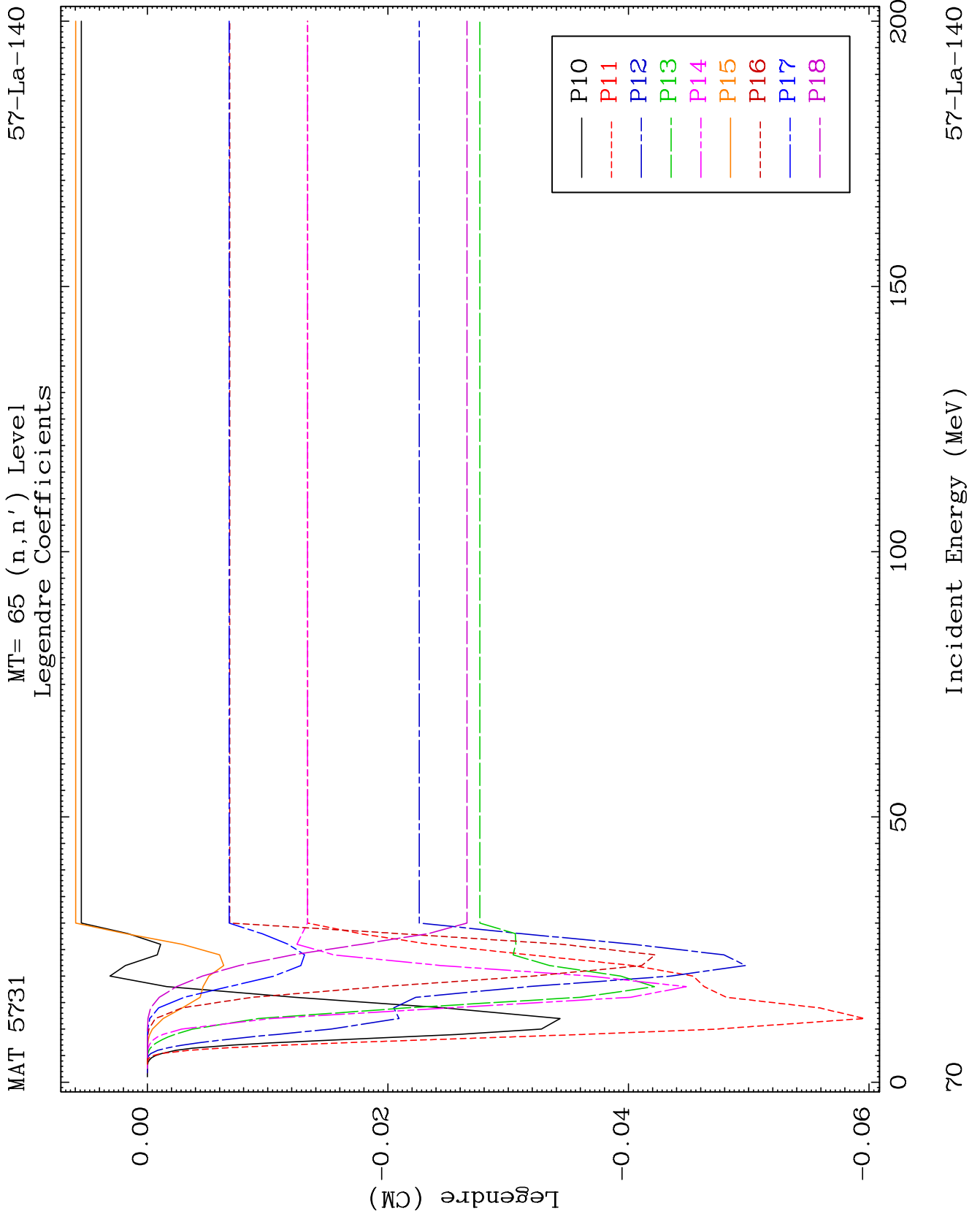
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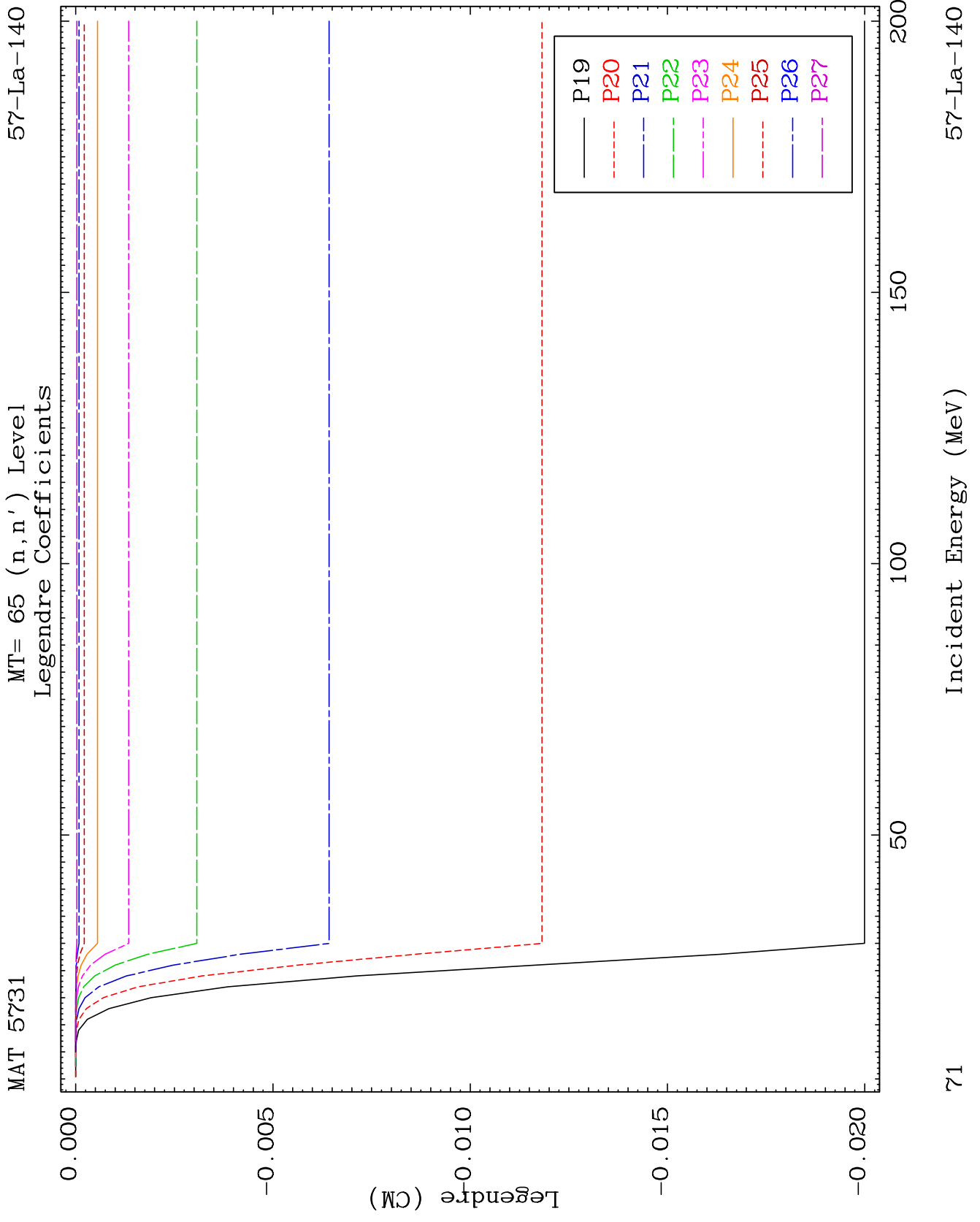


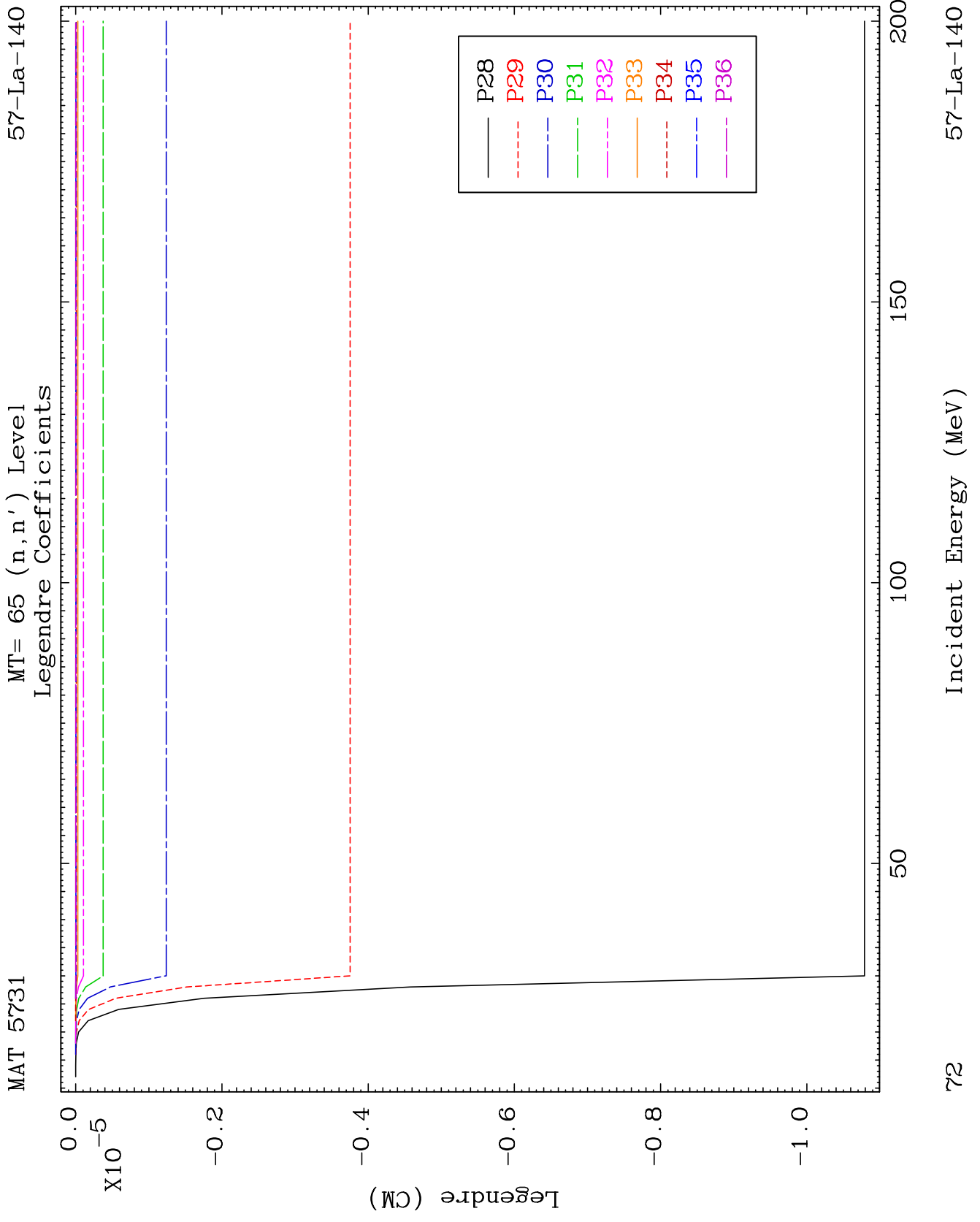
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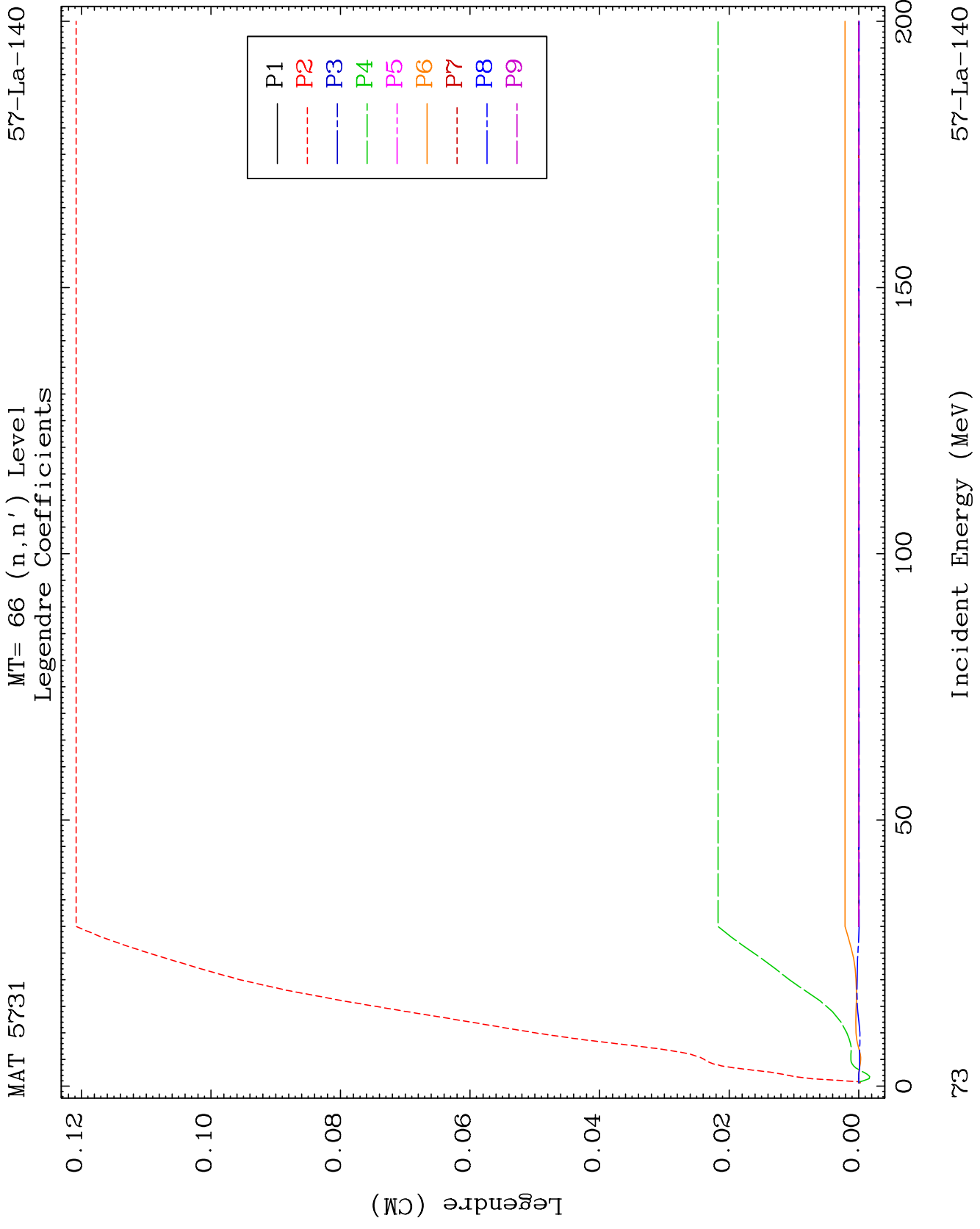
Incident Energy (MeV)

57-La-140





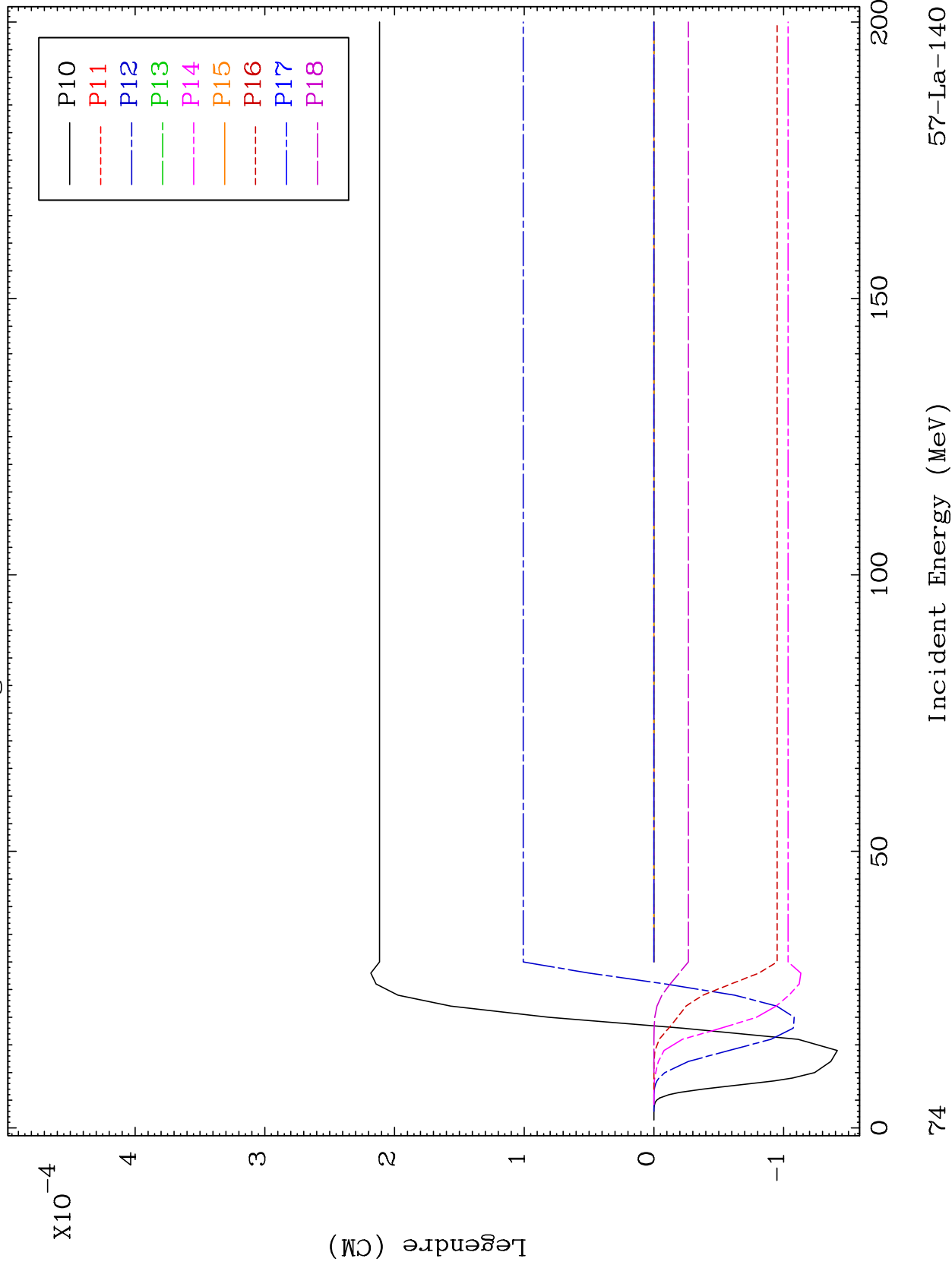


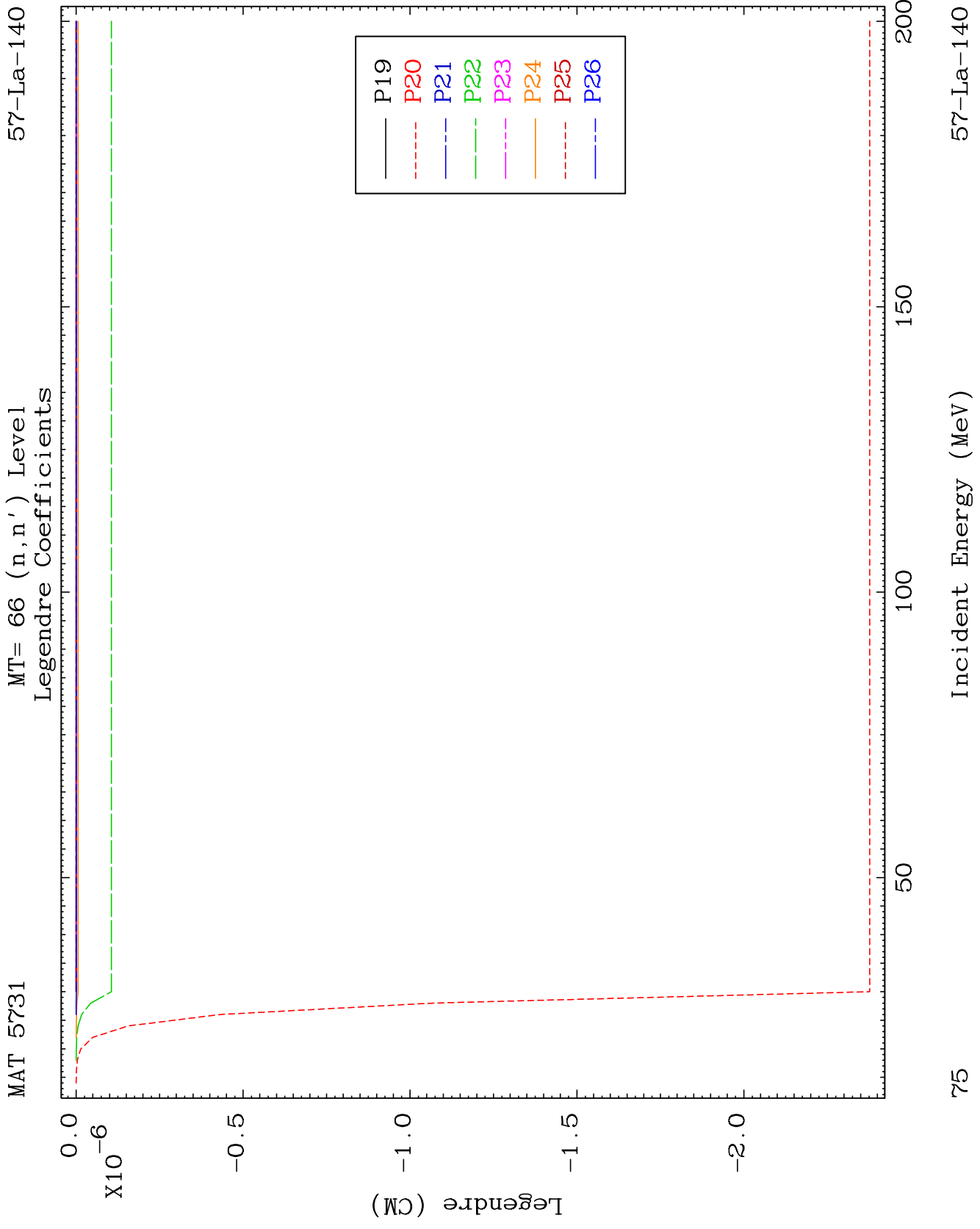


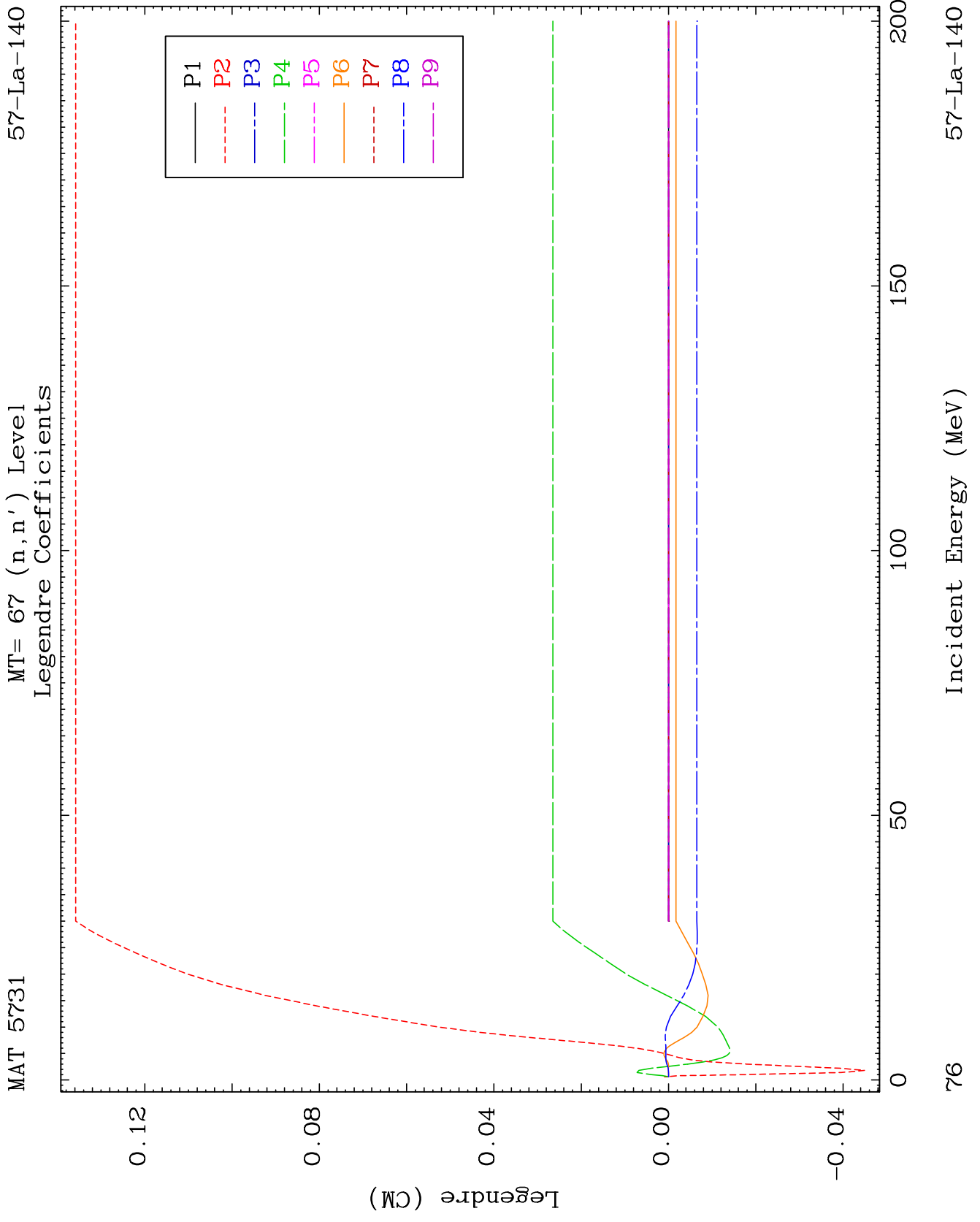
MAT 5731

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

57-La-140



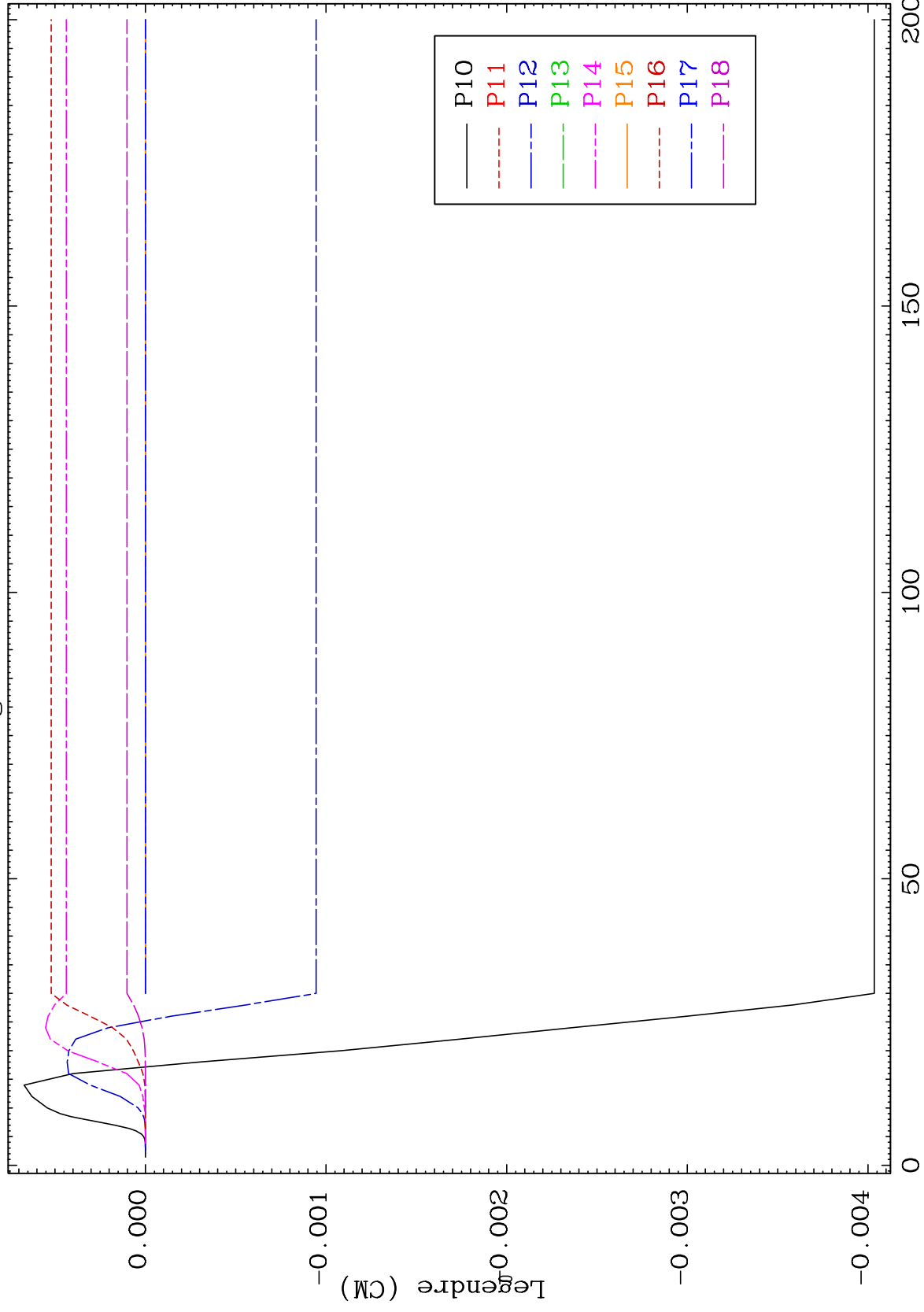




MAT 5731

57-La-140

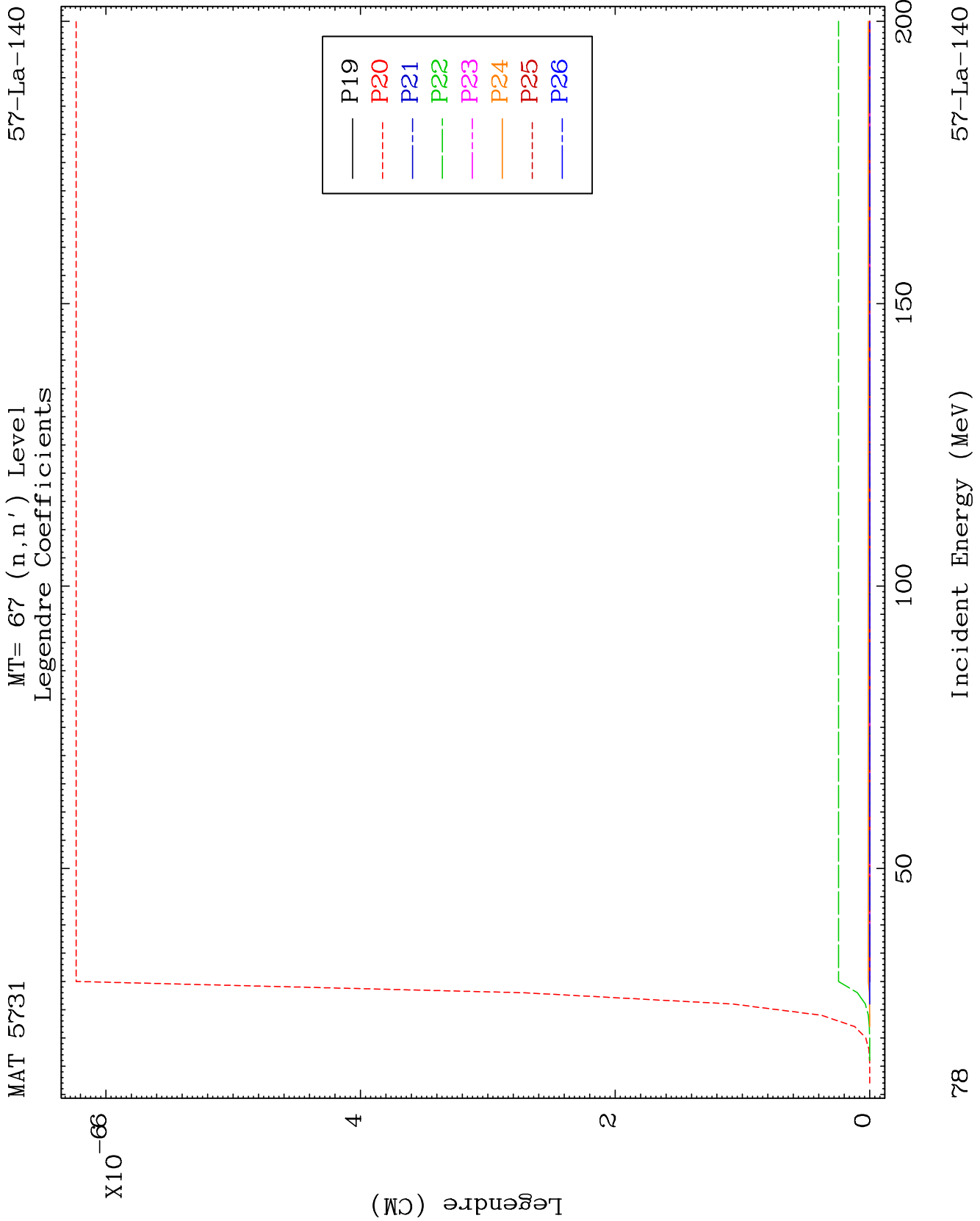
MT= 67 (n,n') Level  
Legendre Coefficients

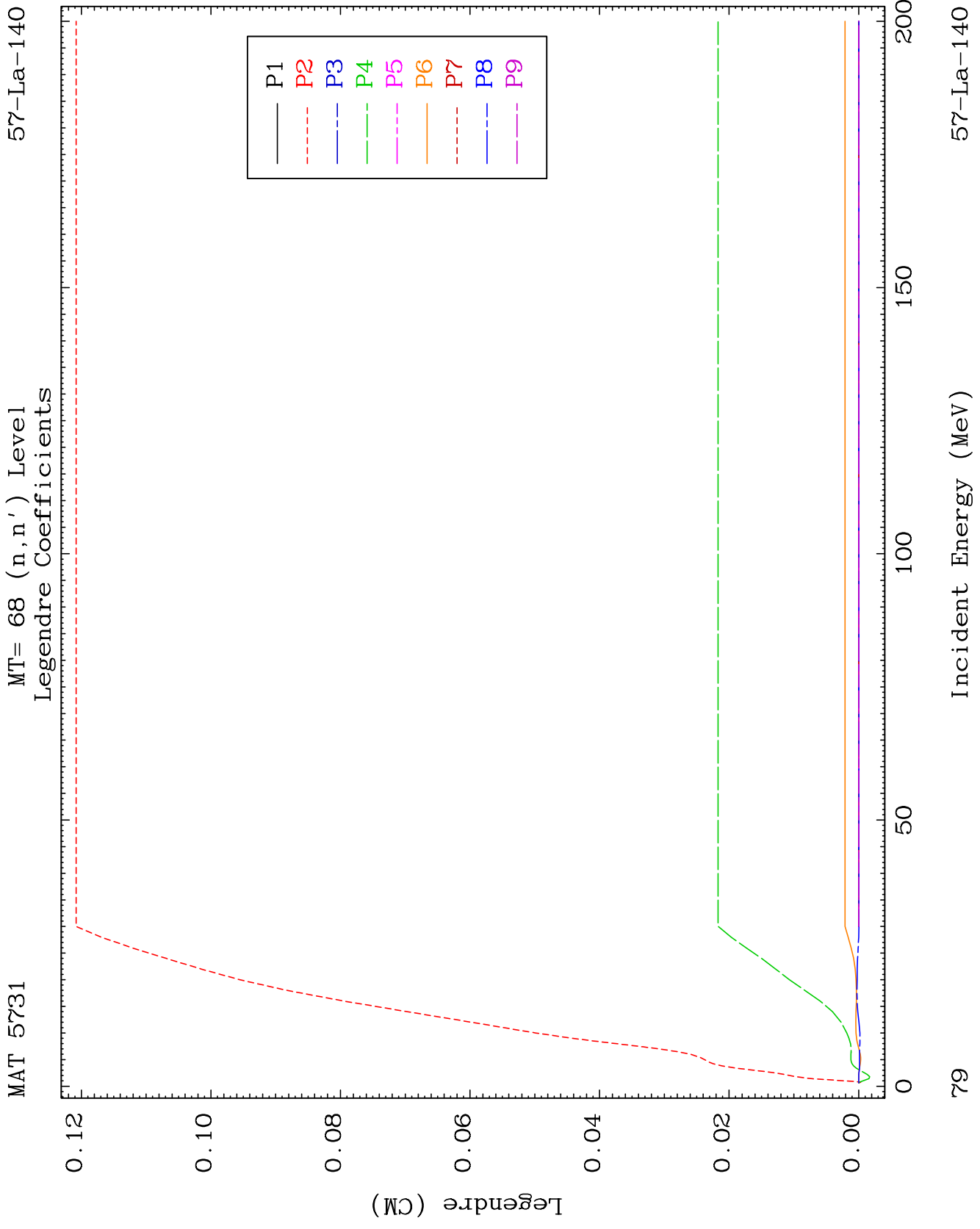


77

Incident Energy (MeV)

57-La-140

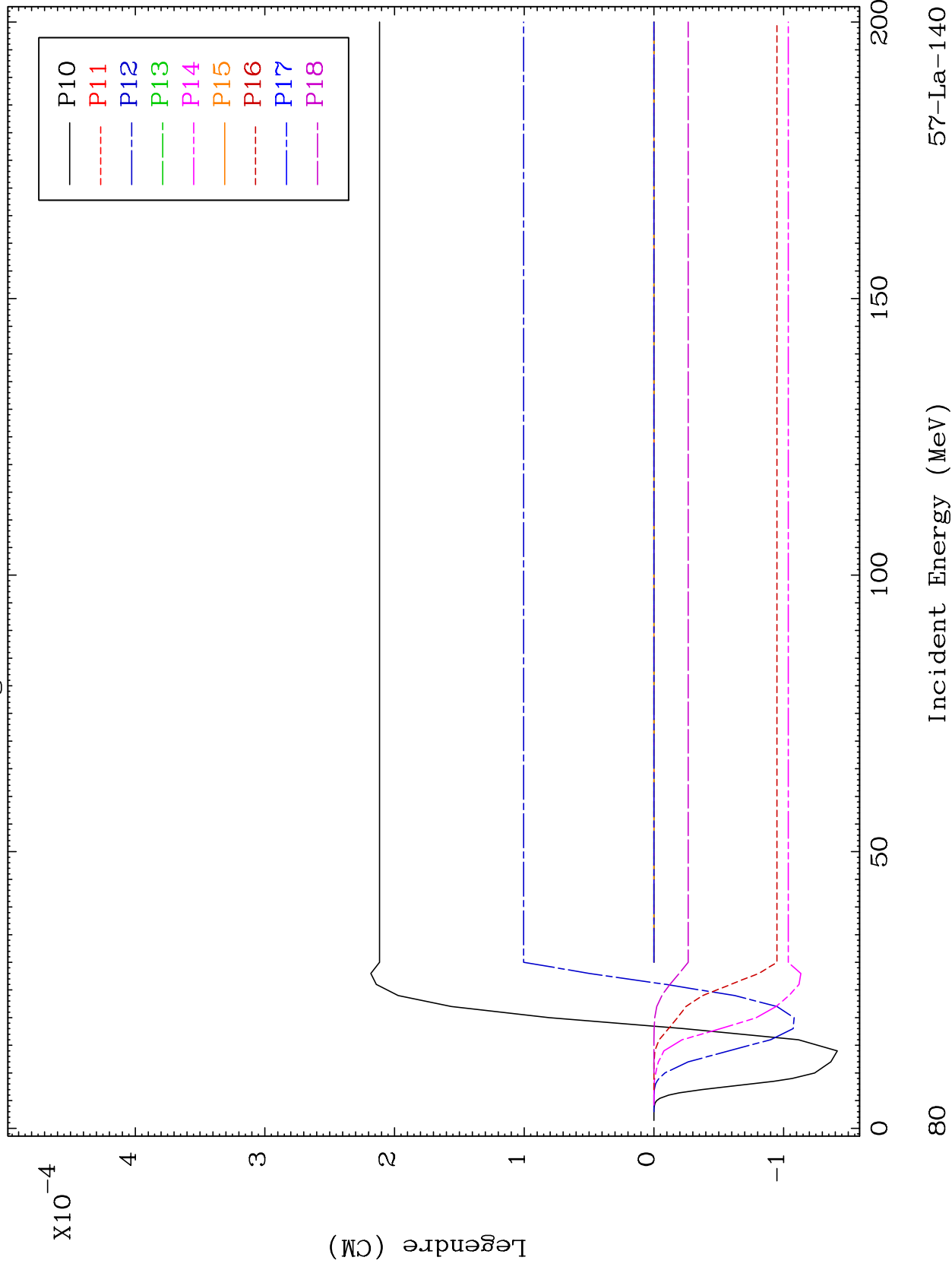


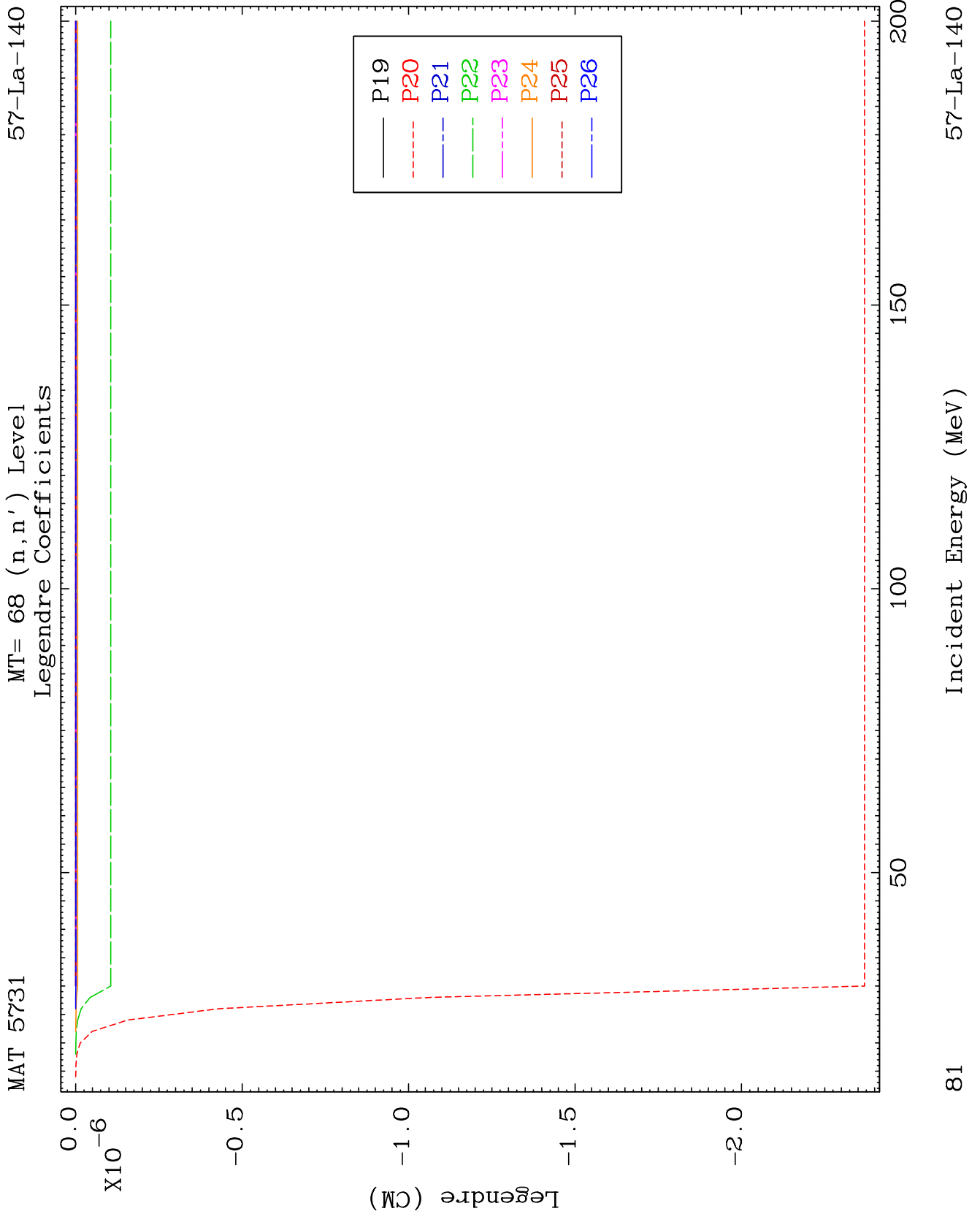


MAT 5731

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

57-La-140



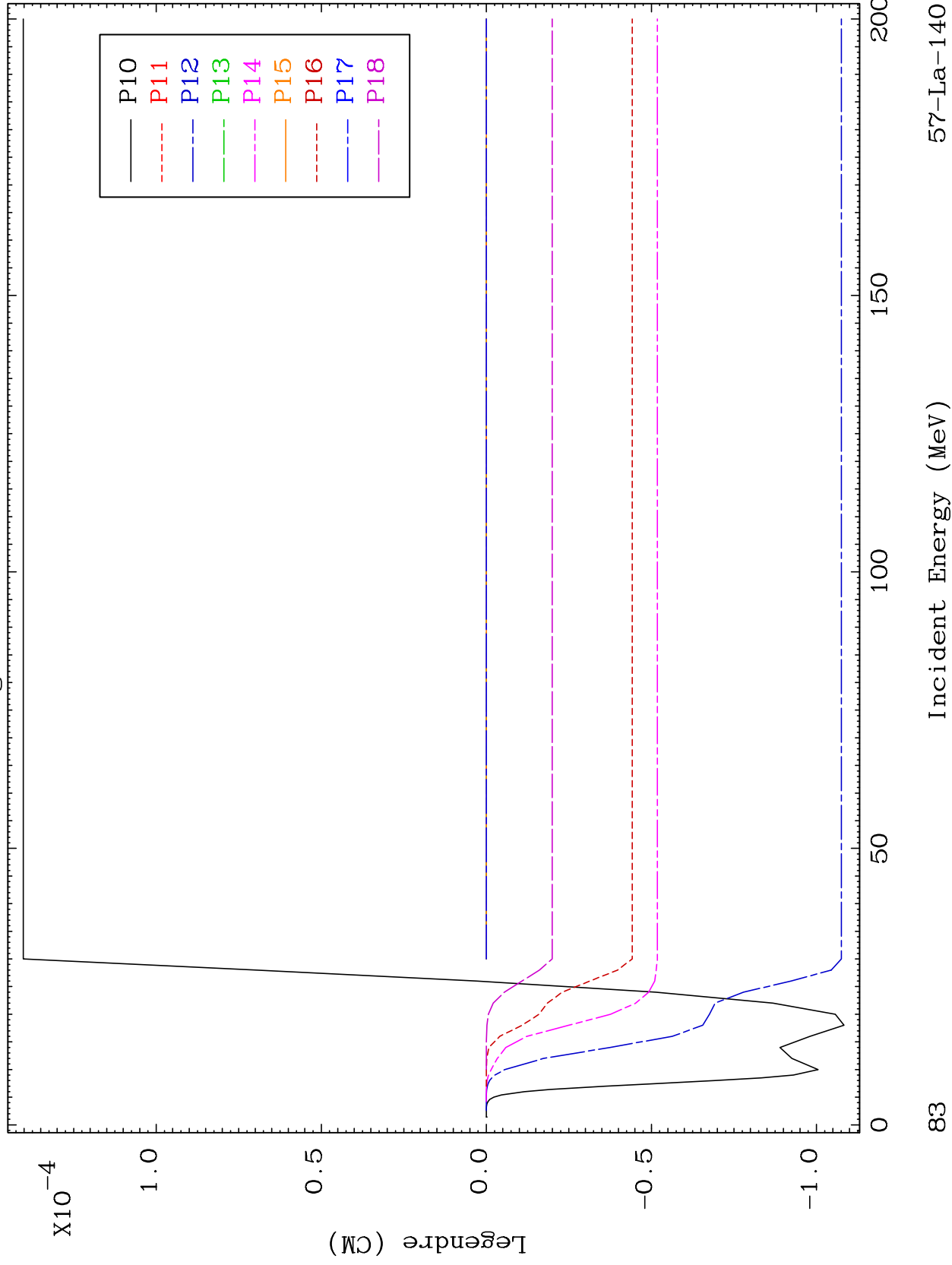




MAT 5731

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

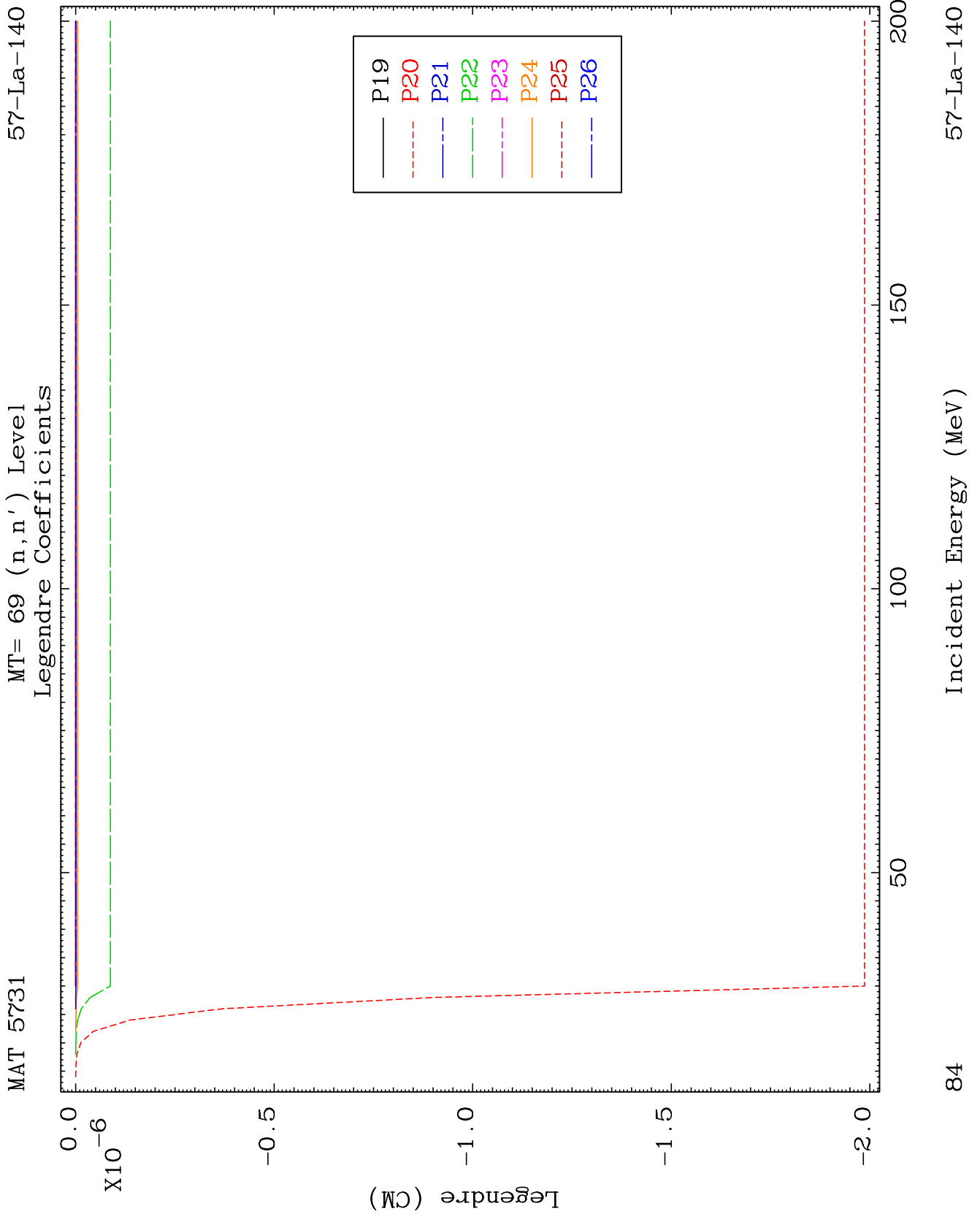
57-La-140



83

Incident Energy (MeV)

57-La-140

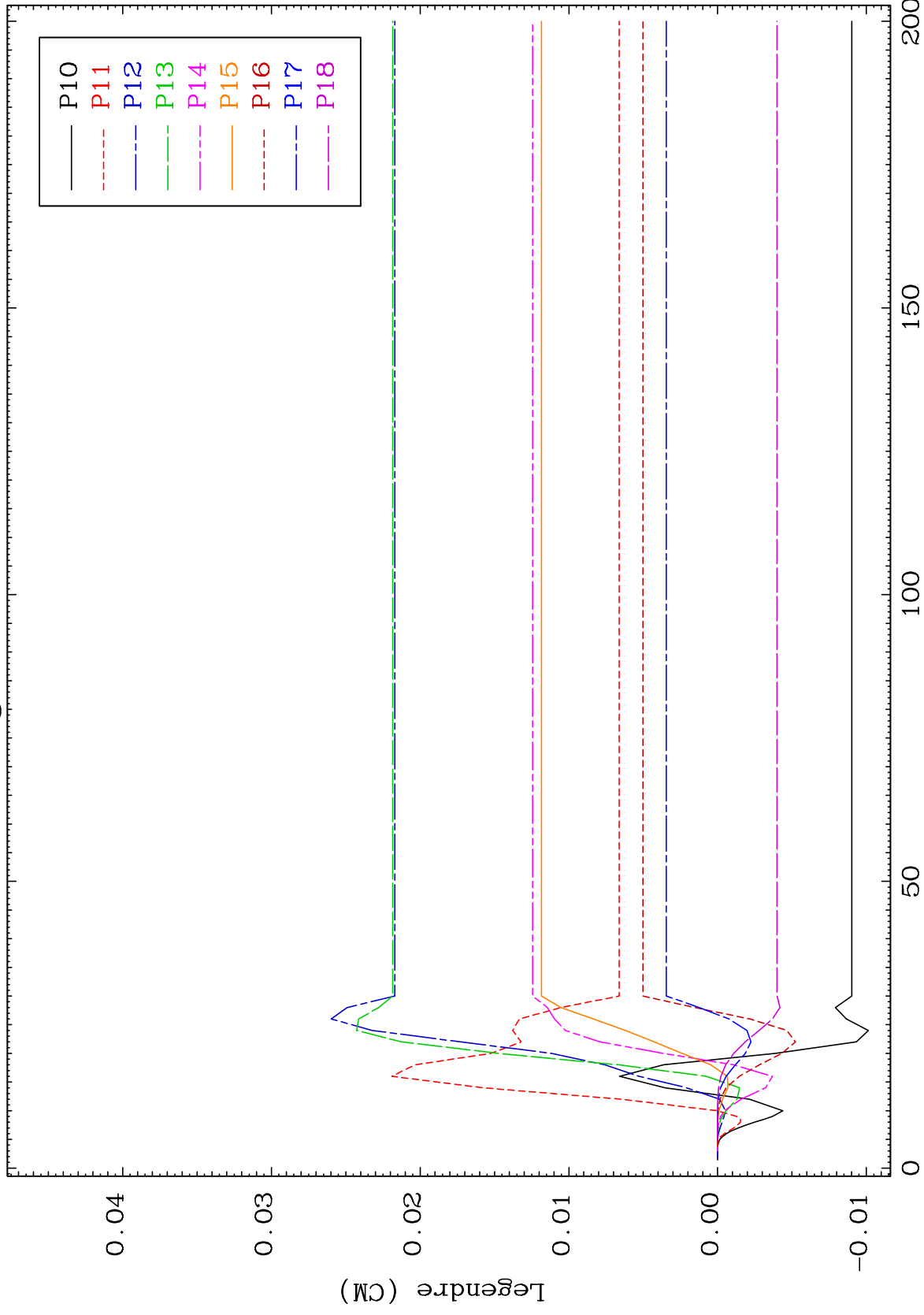




MAT 5731

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

57-La-140



86

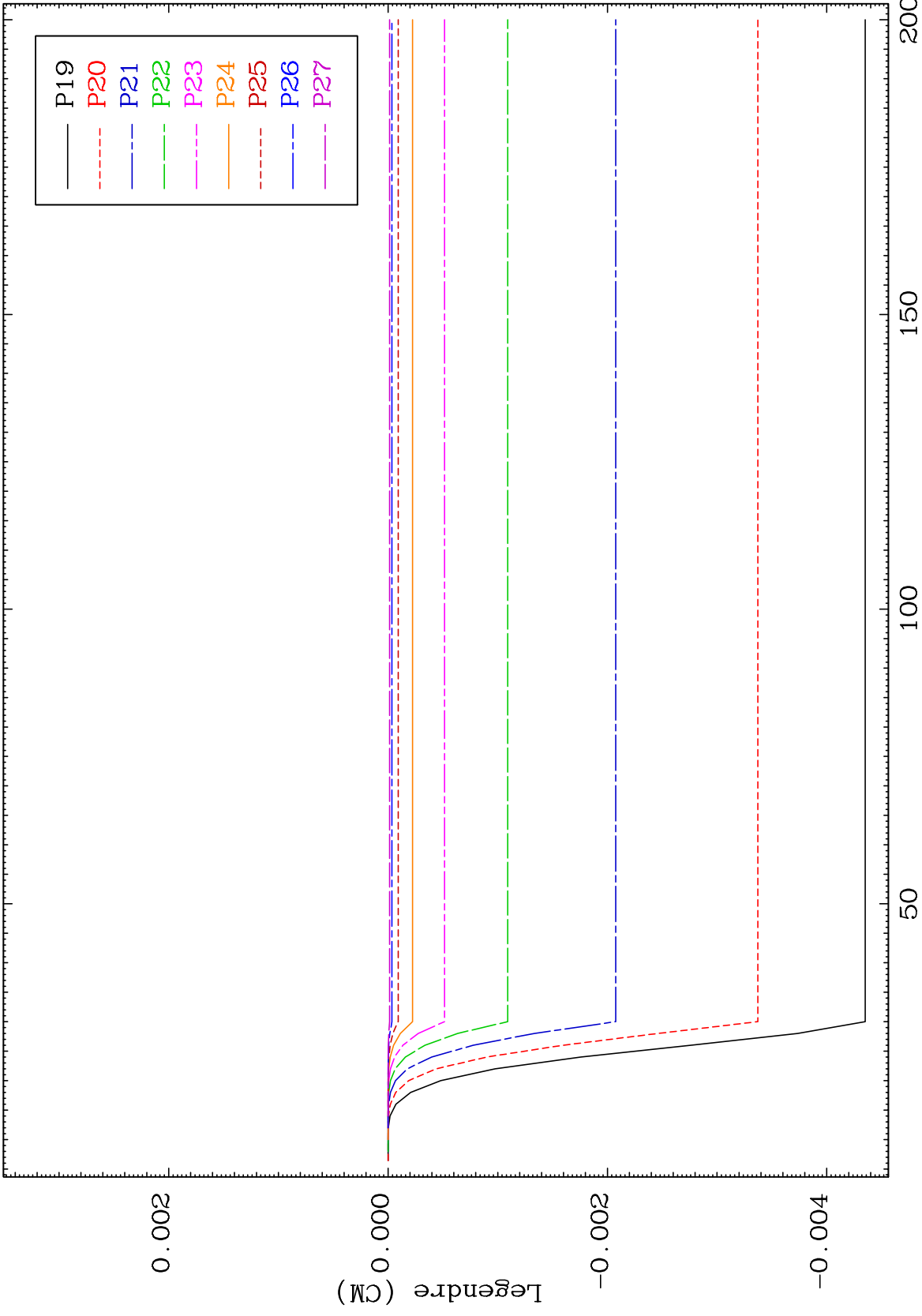
Incident Energy (MeV)

57-La-140

MAT 5731

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

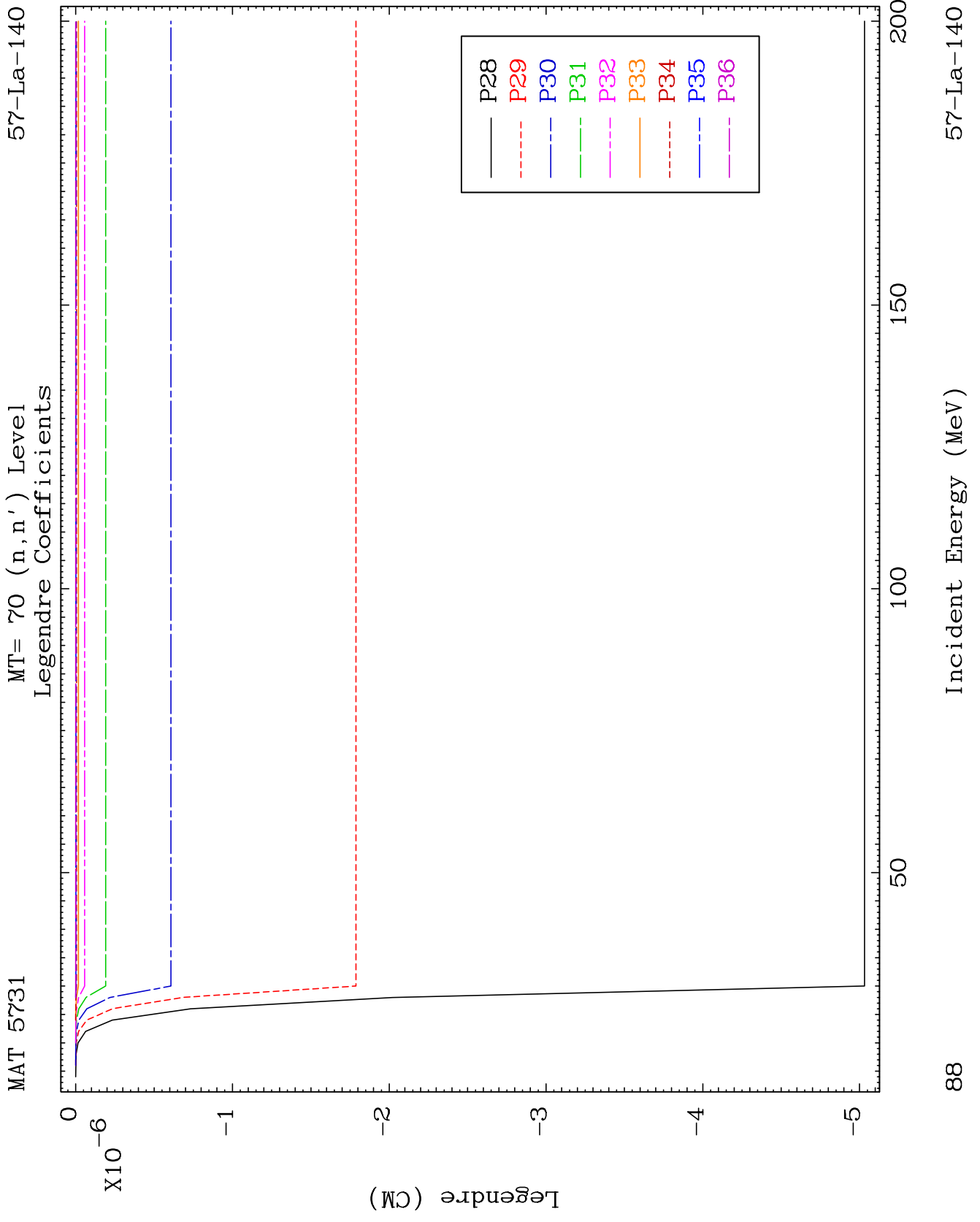
57-La-140



87

Incident Energy (MeV)

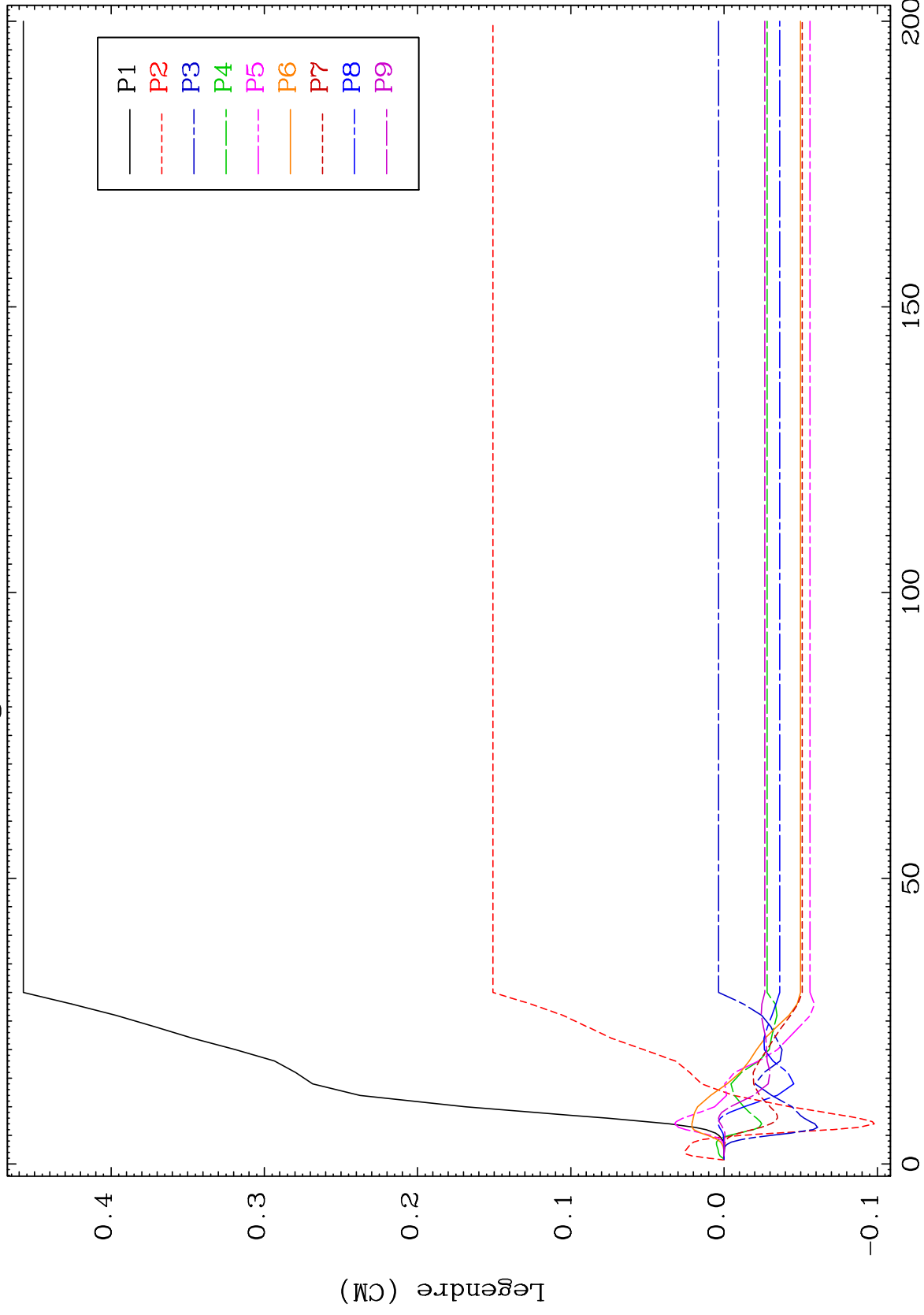
57-La-140



MAT 5731

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

57-La-140



89

Incident Energy (MeV)

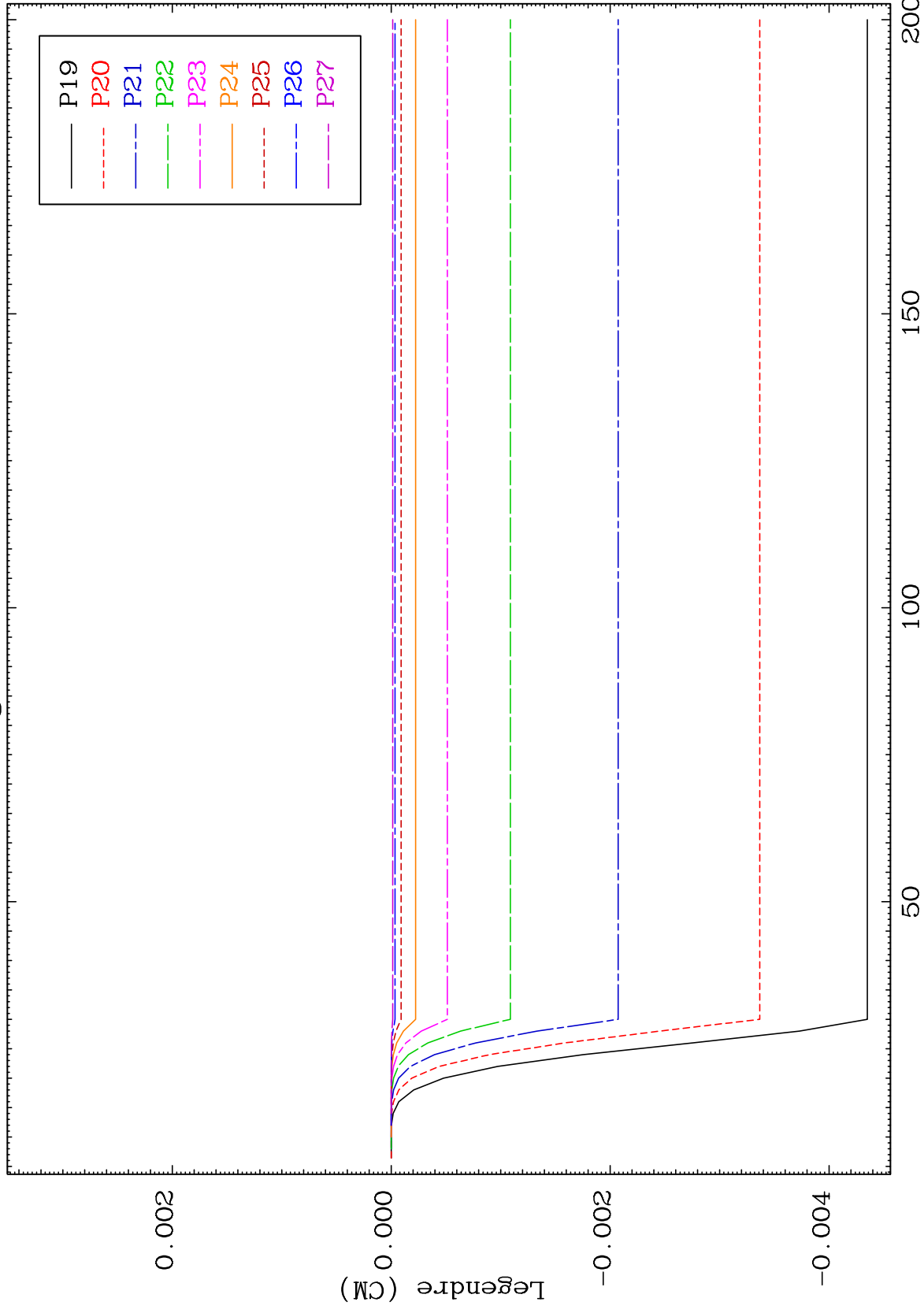
57-La-140



MAT 5731

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

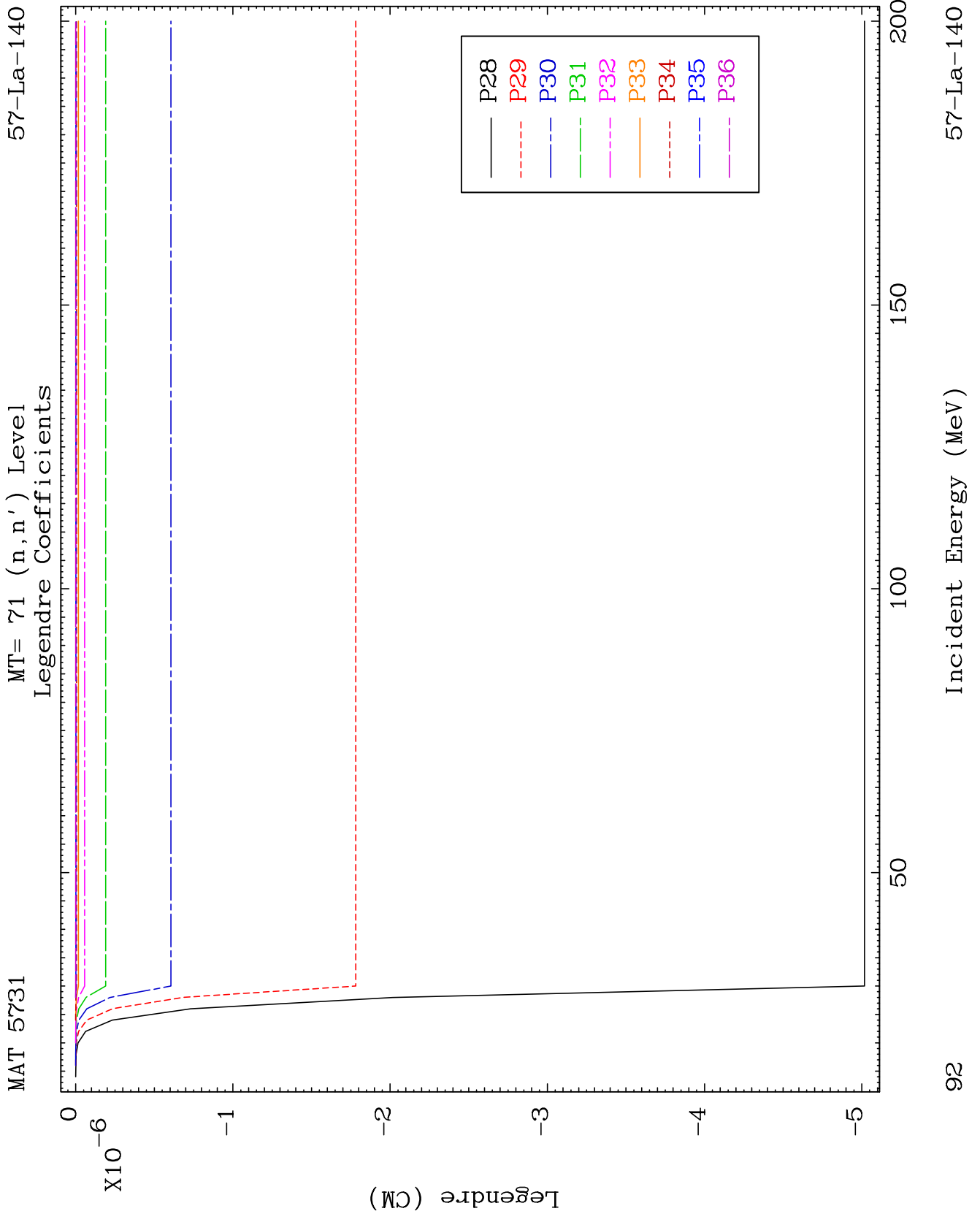
57-La-140

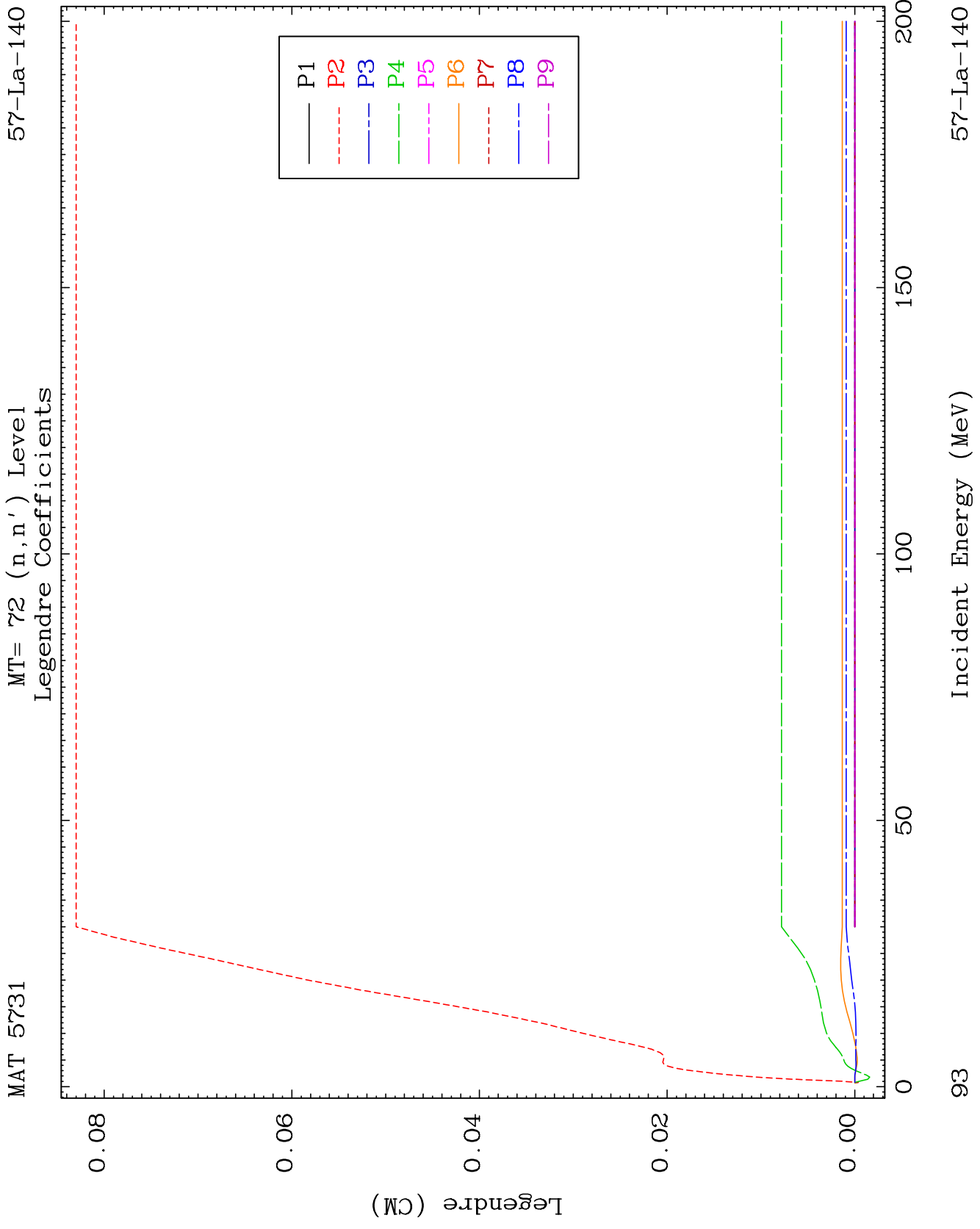


91

Incident Energy (MeV)

57-La-140

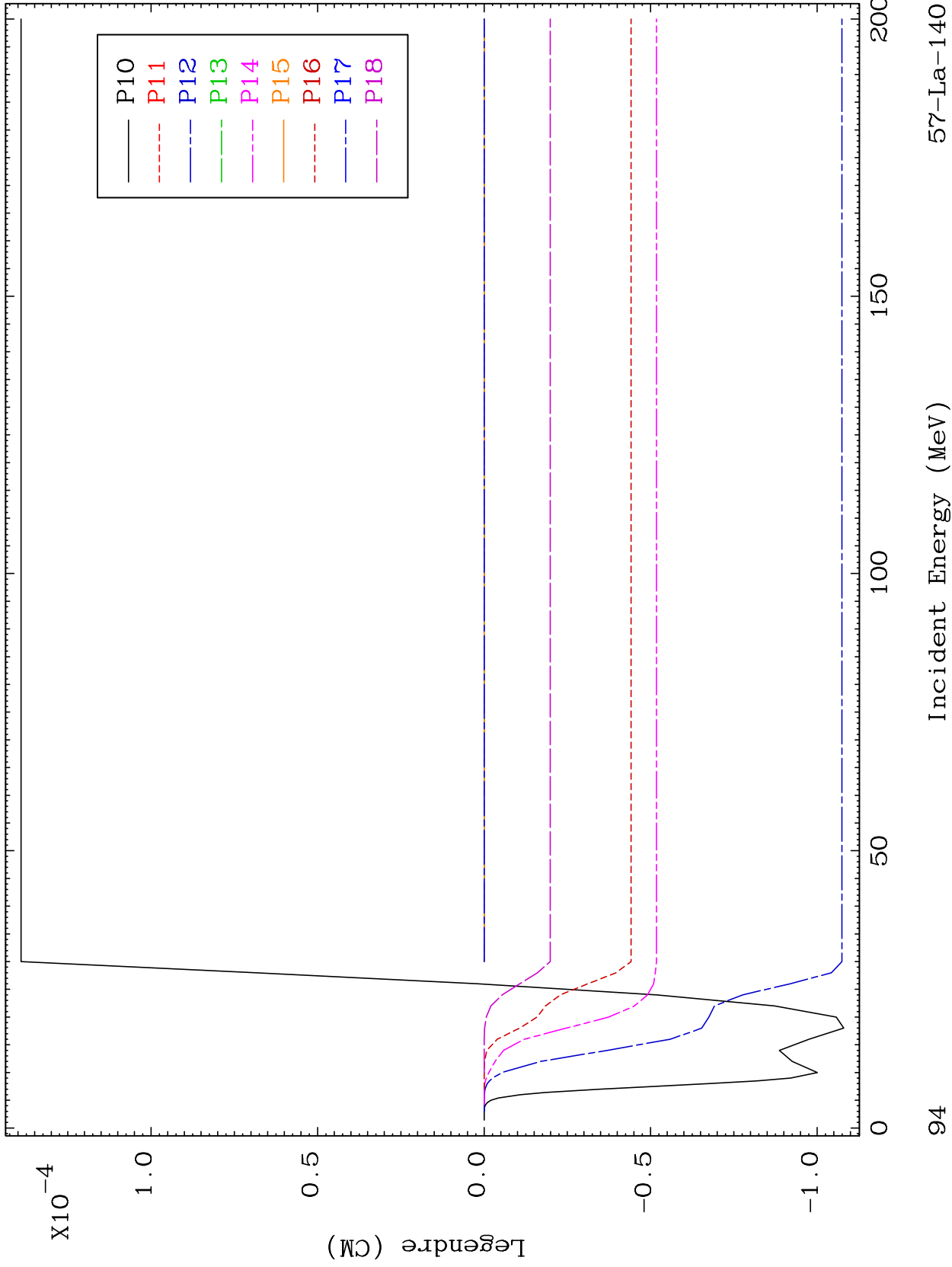




MAT 5731

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

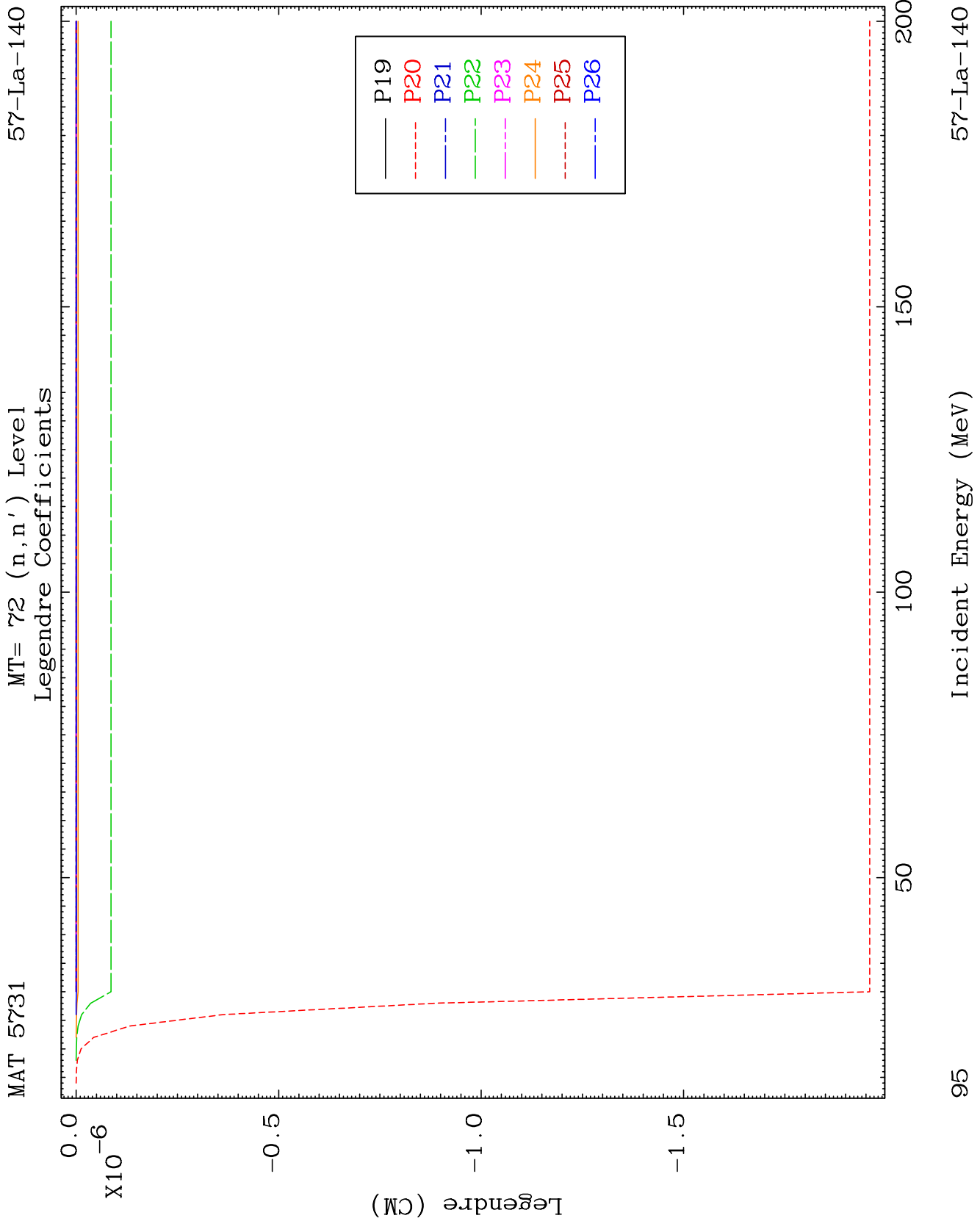
57-La-140



94

Incident Energy (MeV)

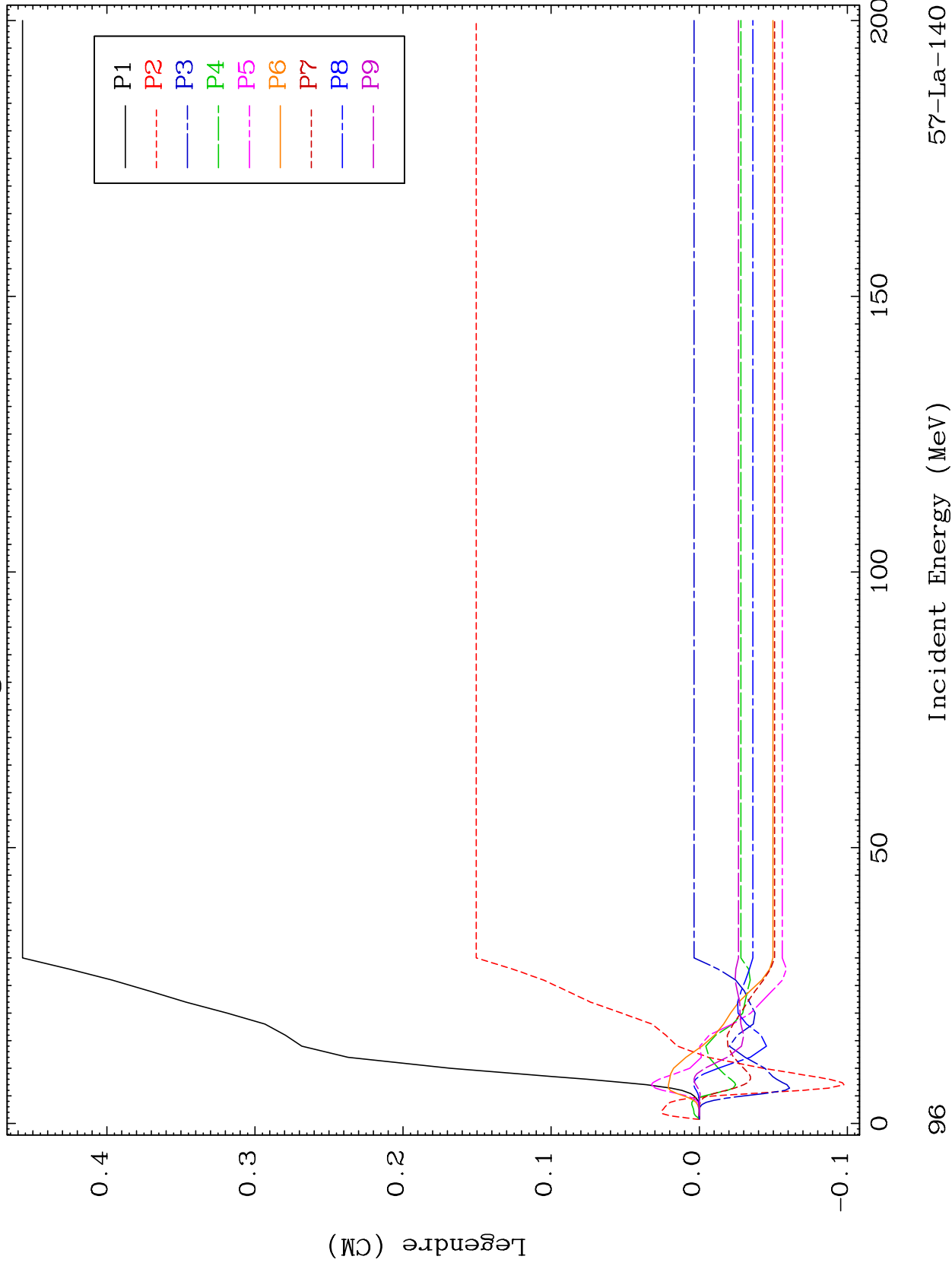
57-La-140



MAT 5731

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

57-La-140



96

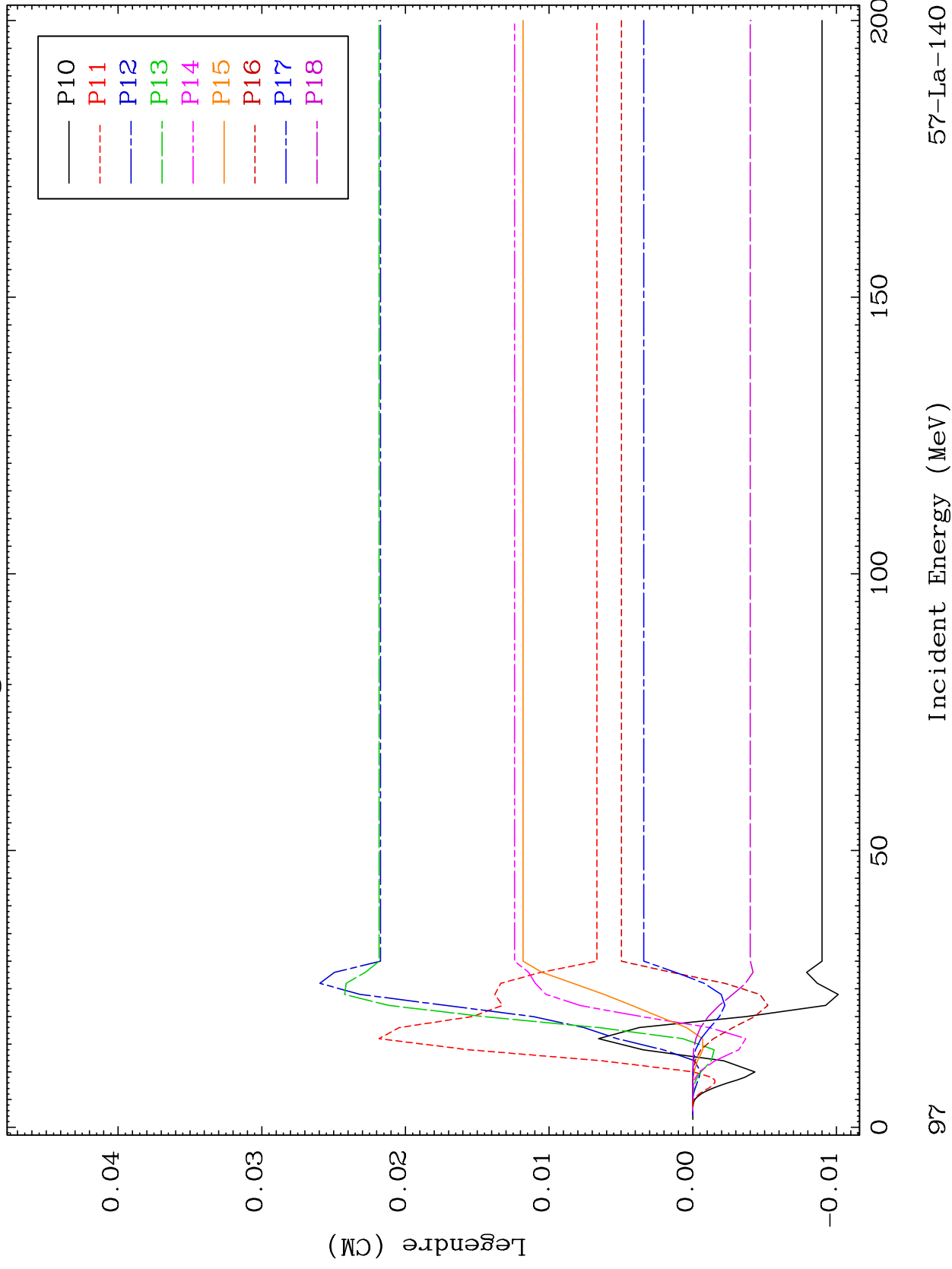
Incident Energy (MeV)

57-La-140

MAT 5731

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

57-La-140



97

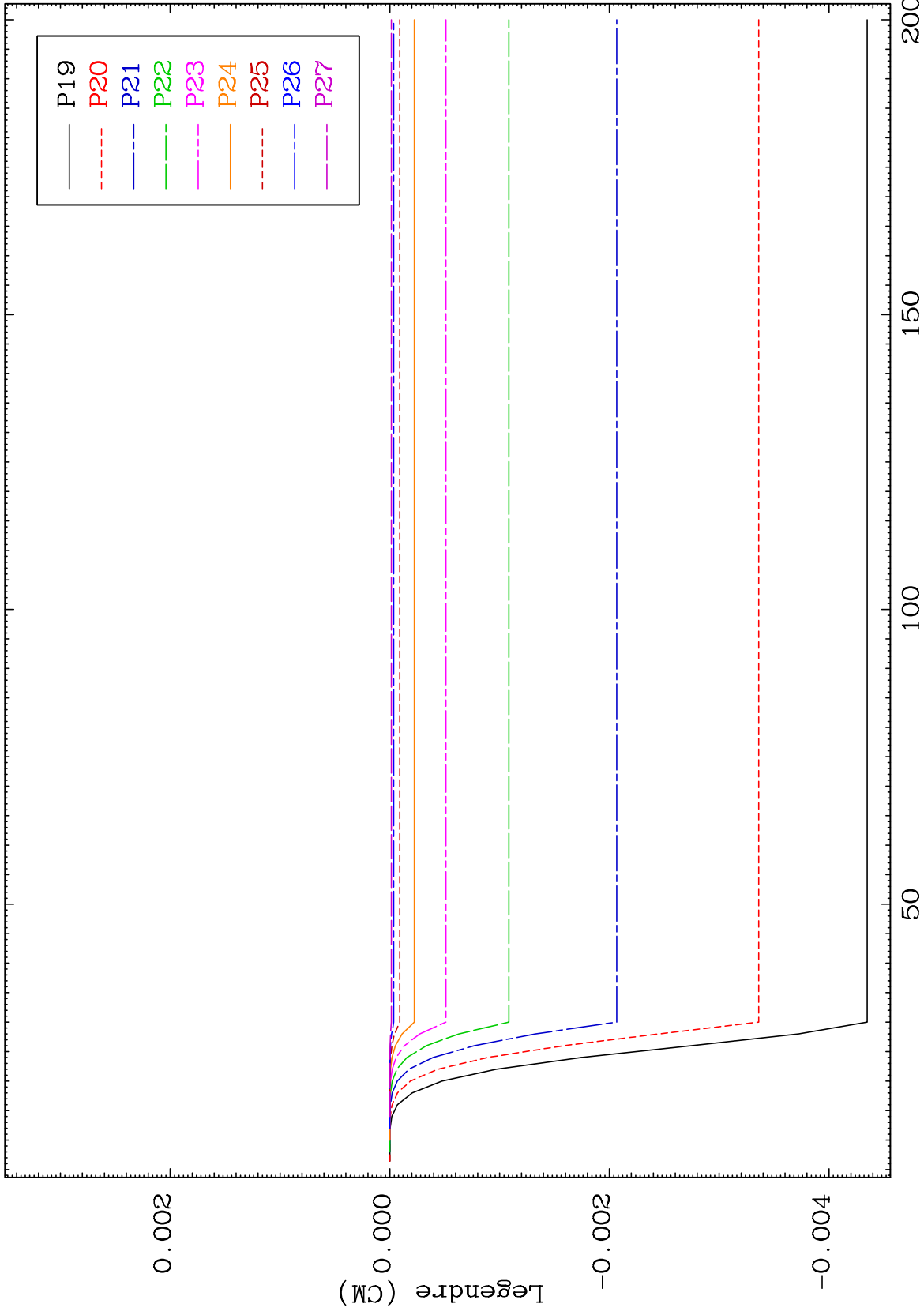
Incident Energy (MeV)

57-La-140

MAT 5731

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

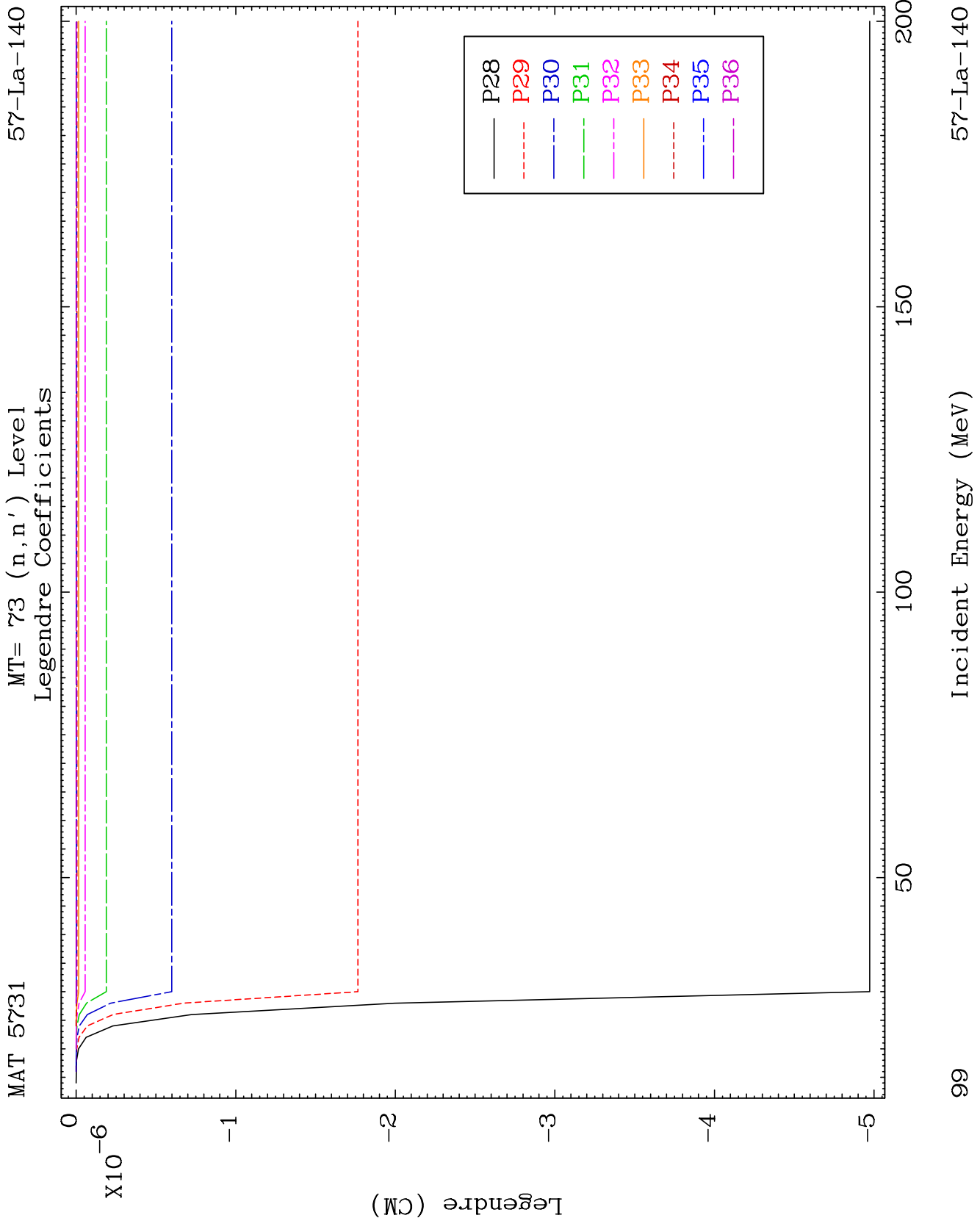
57-La-140

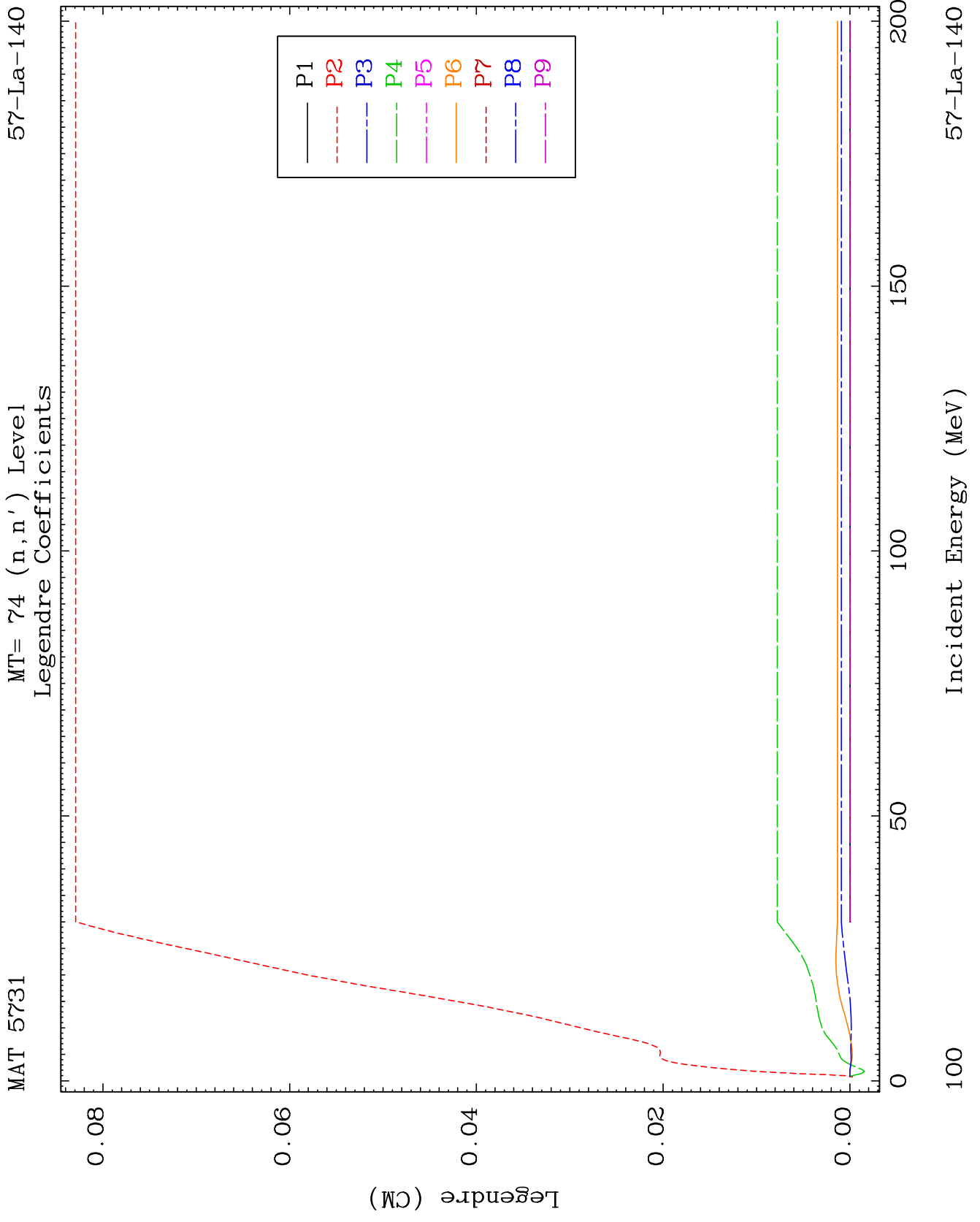


98

Incident Energy (MeV)

57-La-140

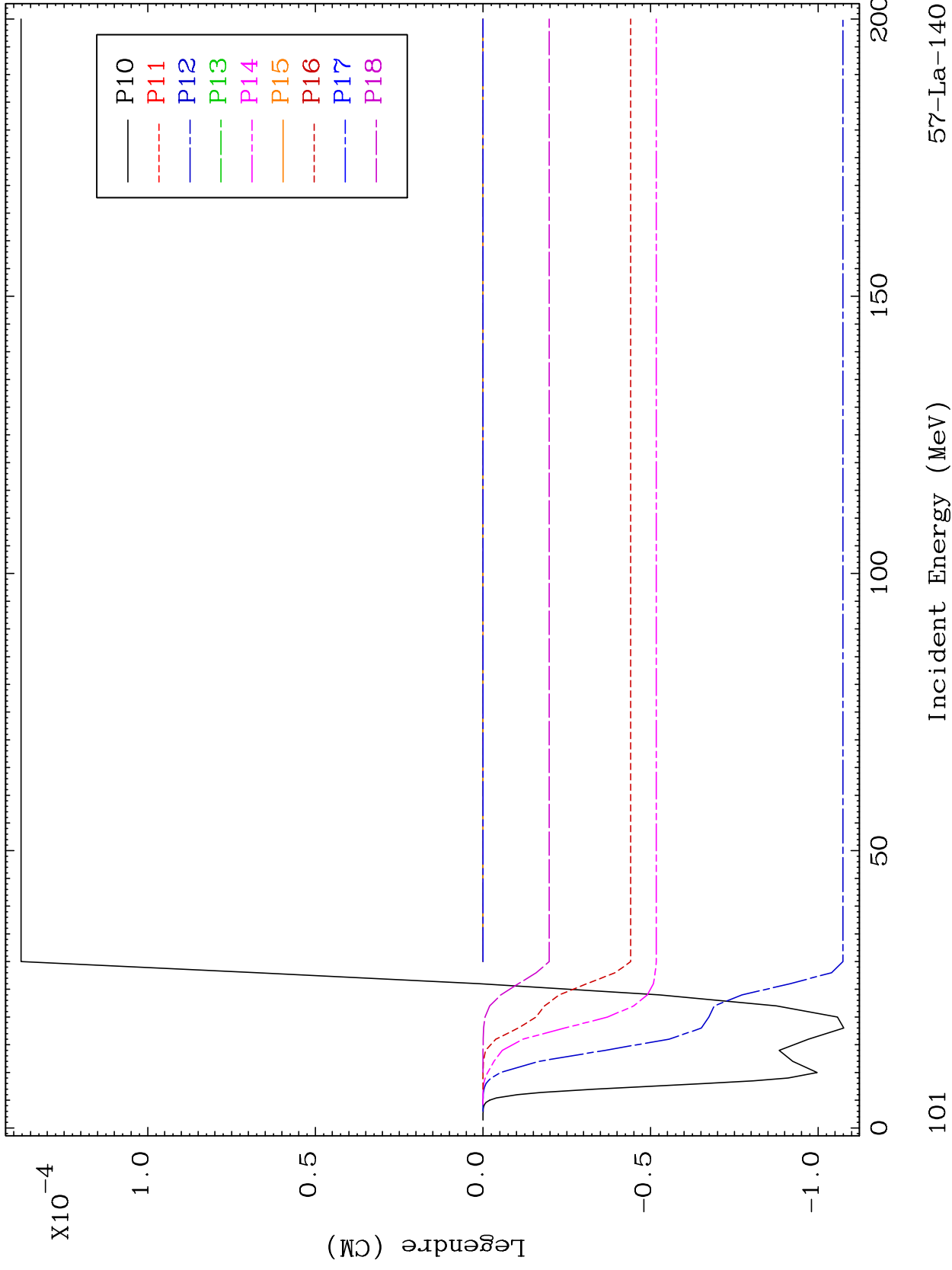




MAT 5731

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

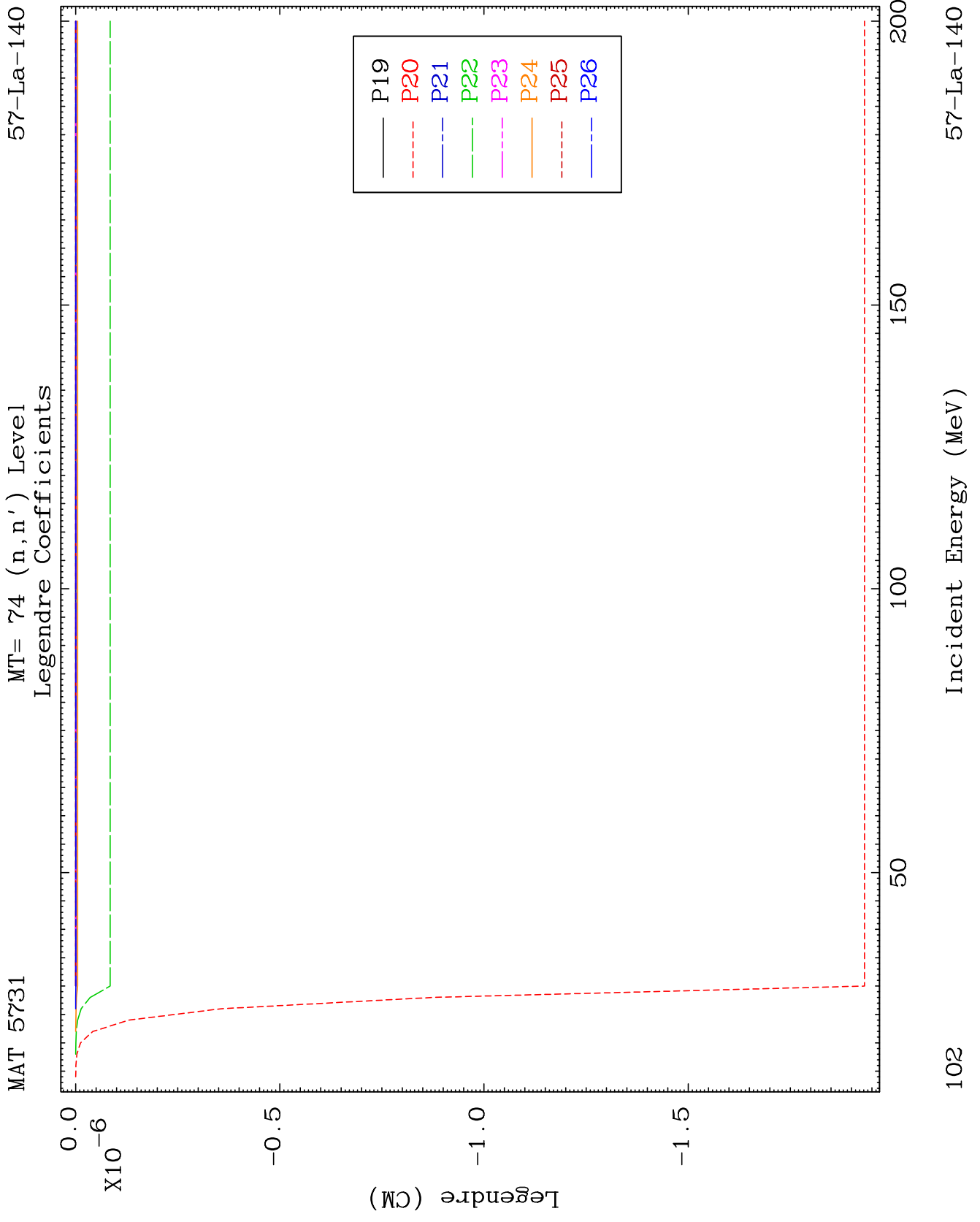
57-La-140



57-La-140

Incident Energy (MeV)

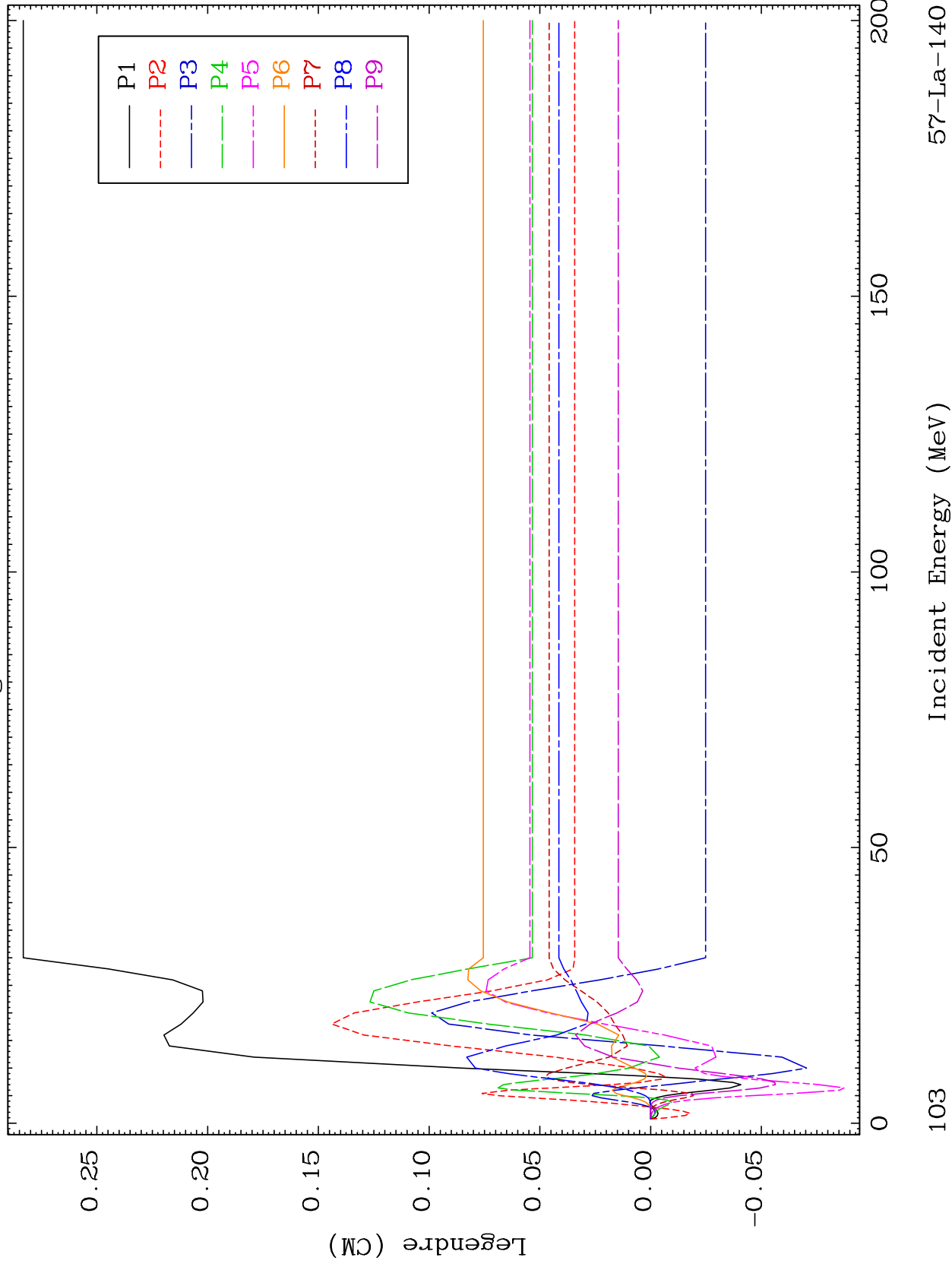
101



MAT 5731

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

57-La-140



57-La-140

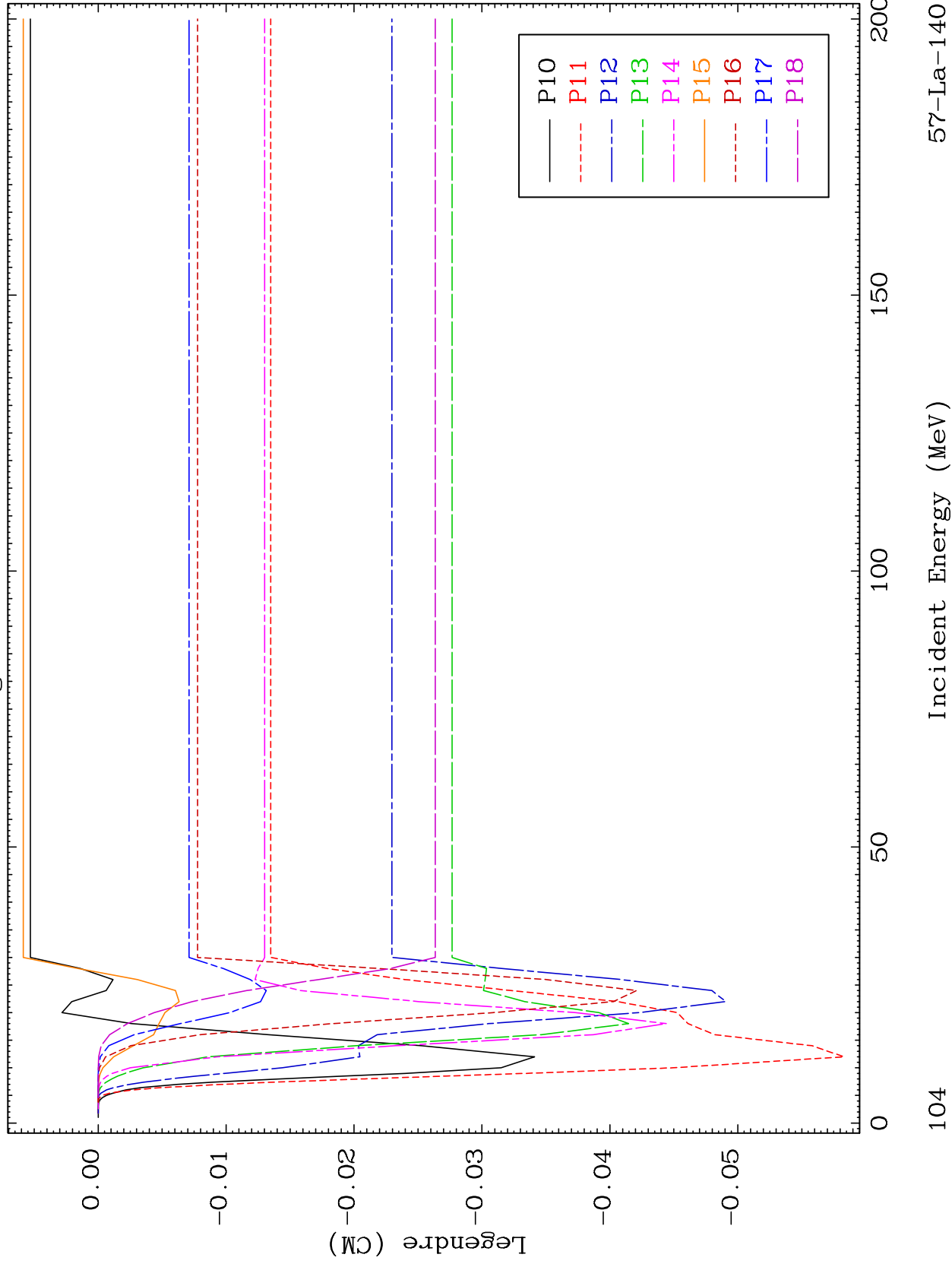
Incident Energy (MeV)

103

MAT 5731

57-La-140

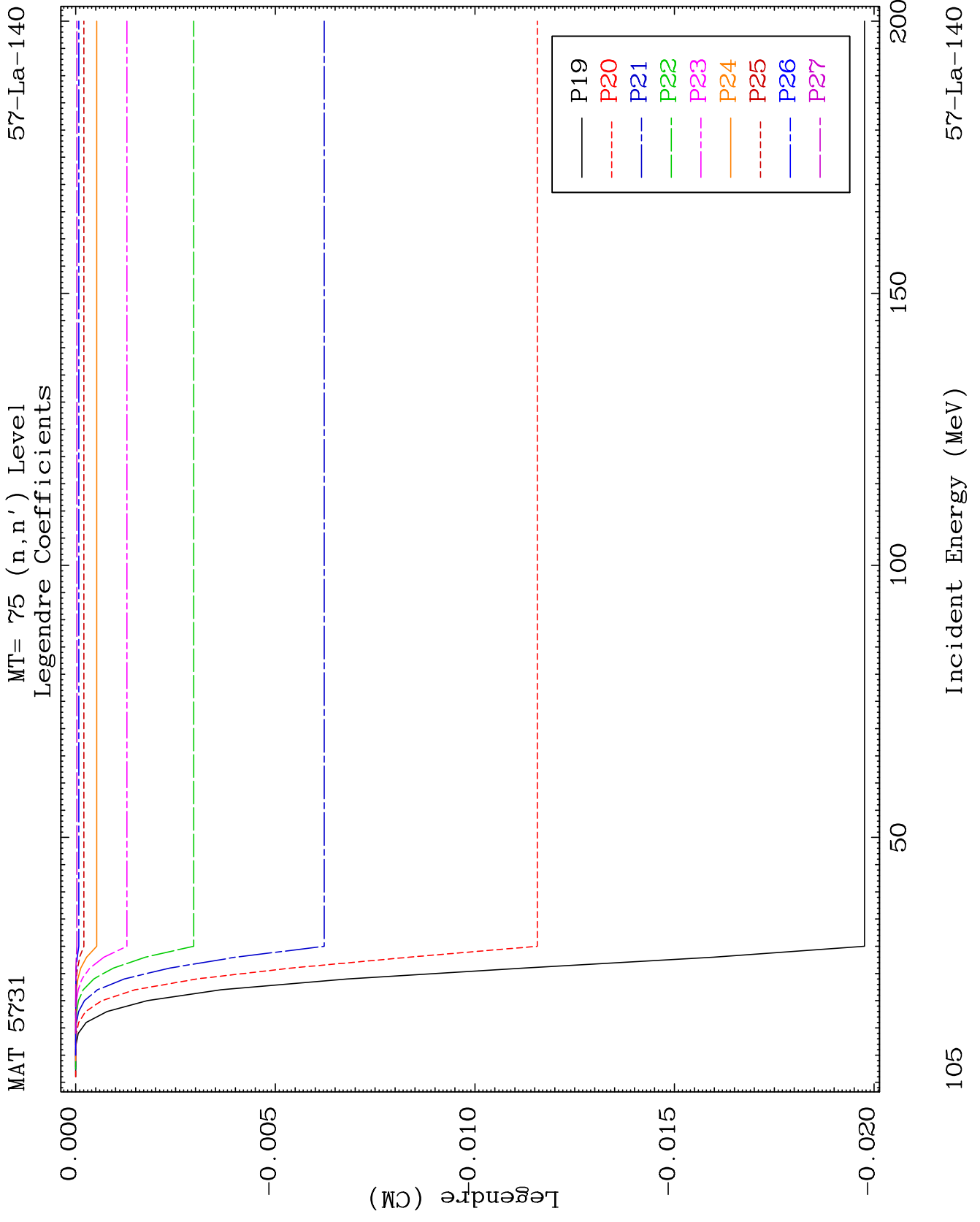
MT= 75 (n,n') Level  
Legendre Coefficients

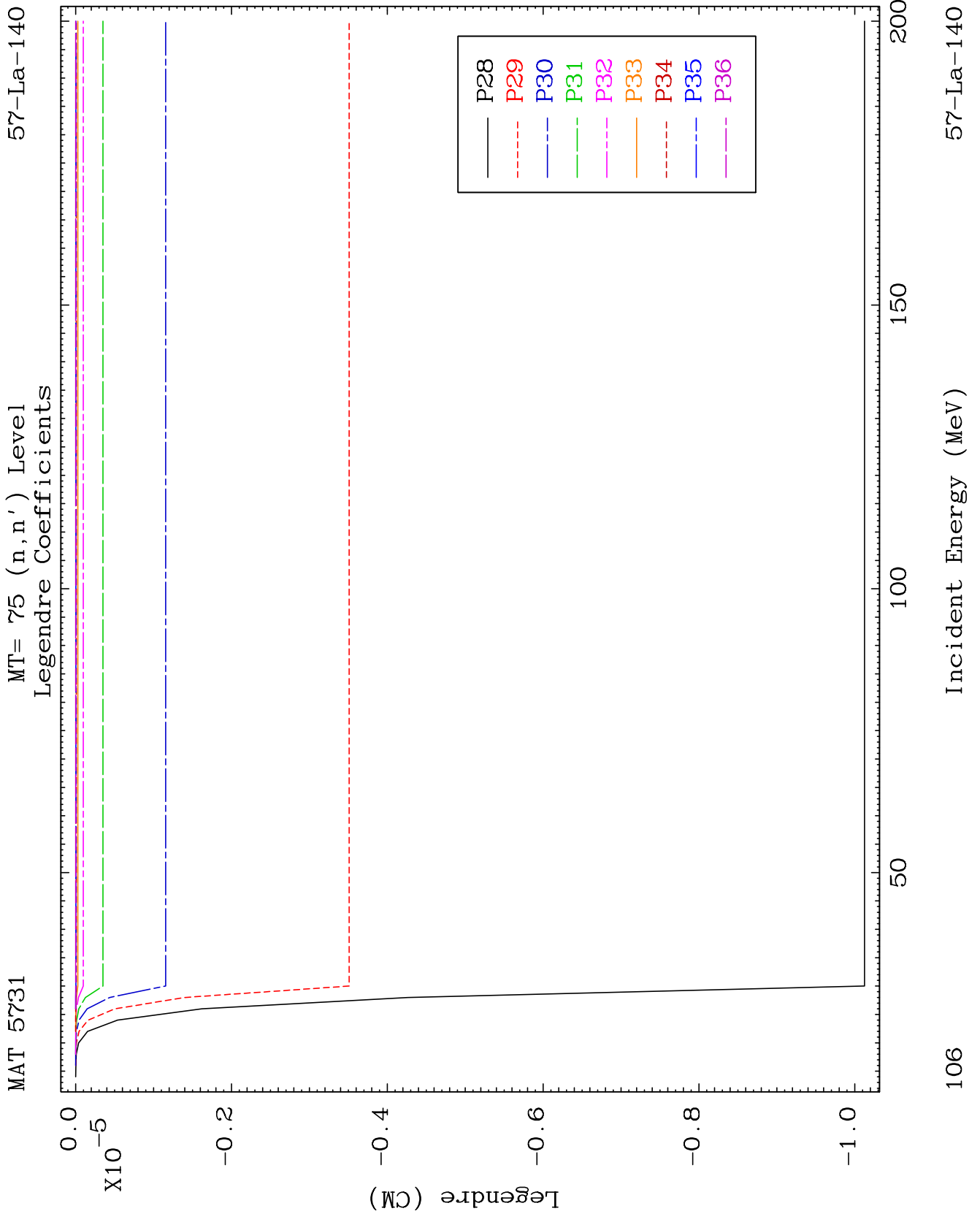


57-La-140

Incident Energy (MeV)

104

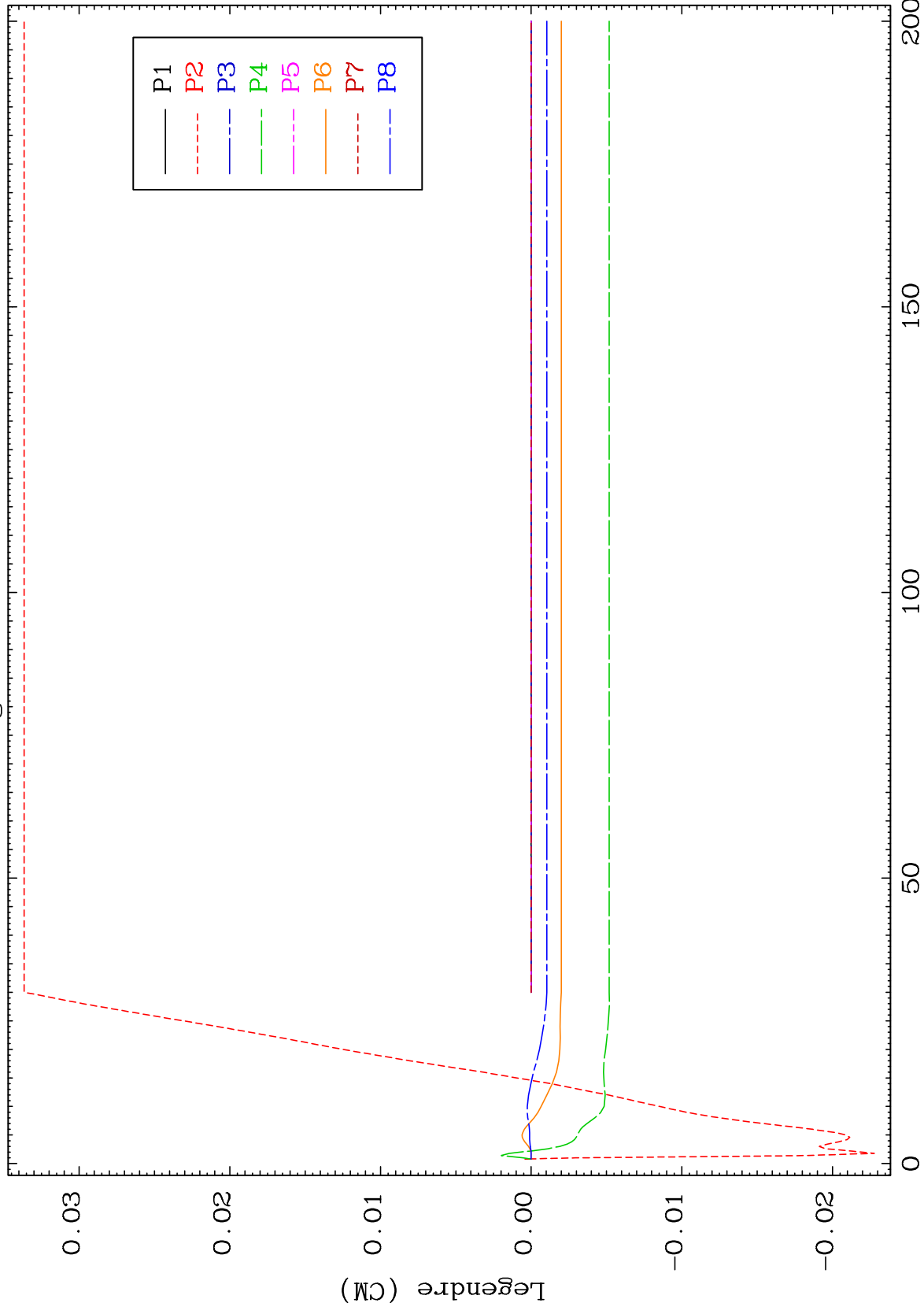




MAT 5731

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

57-La-140



107

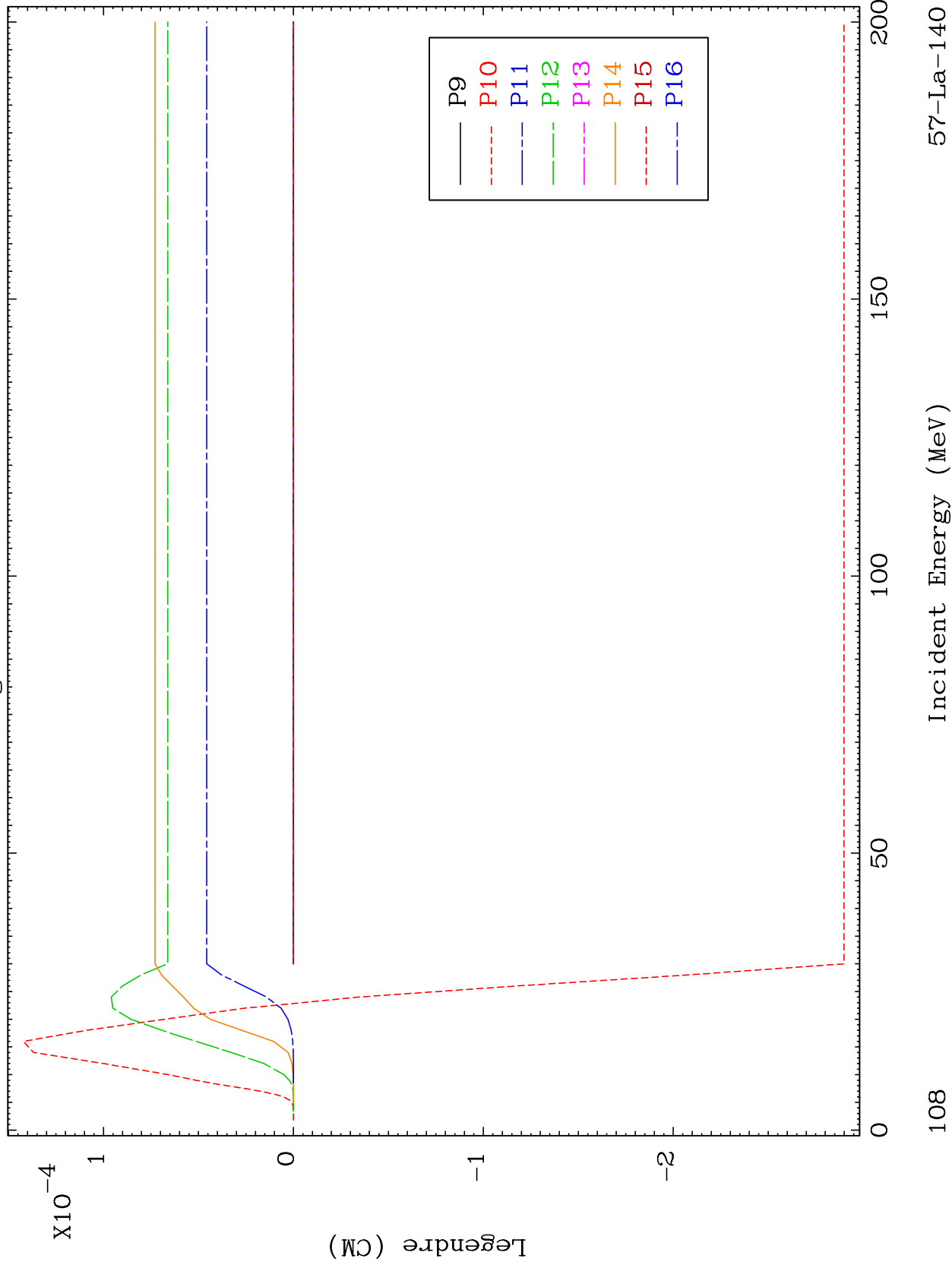
Incident Energy (MeV)

57-La-140

MAT 5731

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

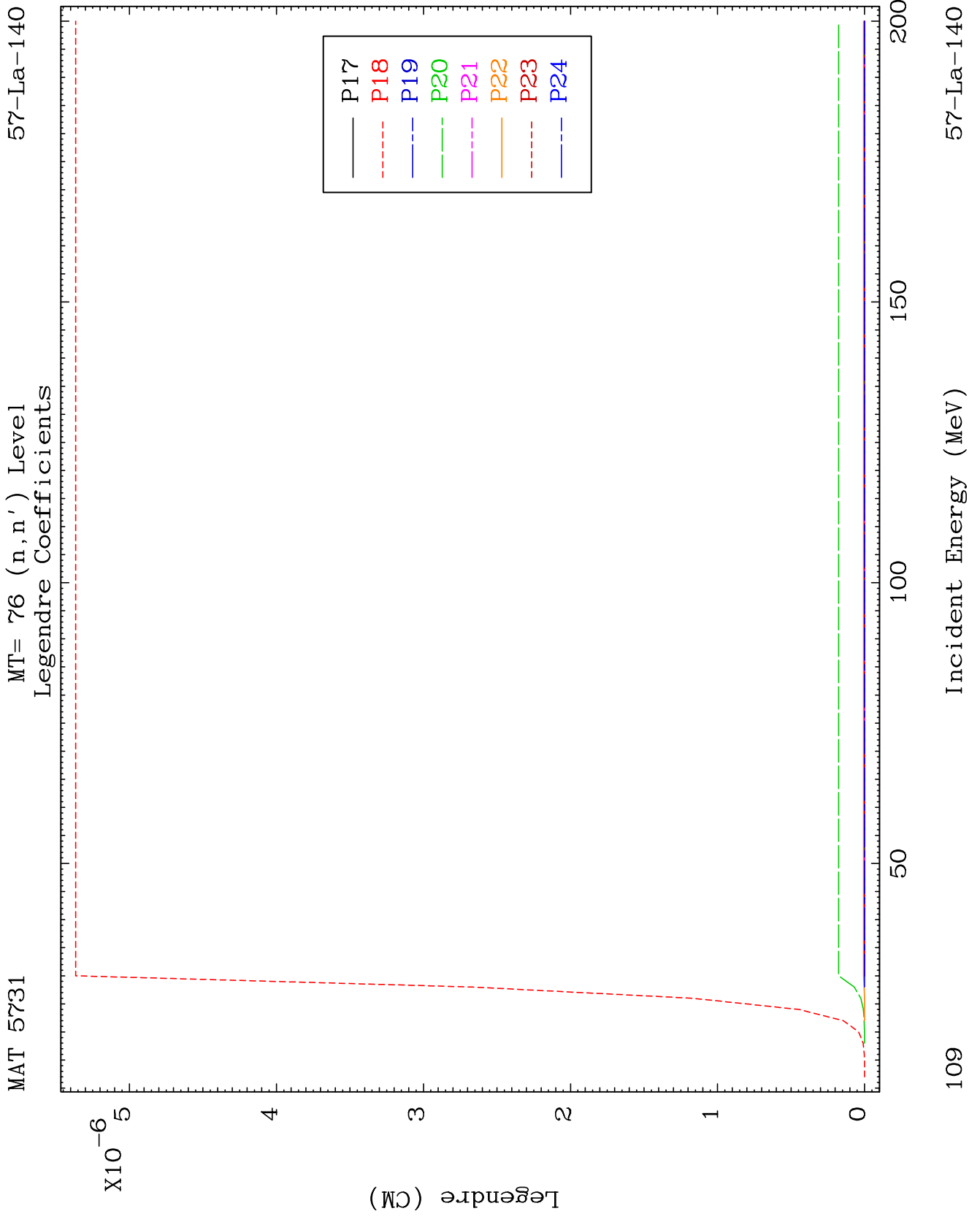
57-La-140



108

Incident Energy (MeV)

57-La-140

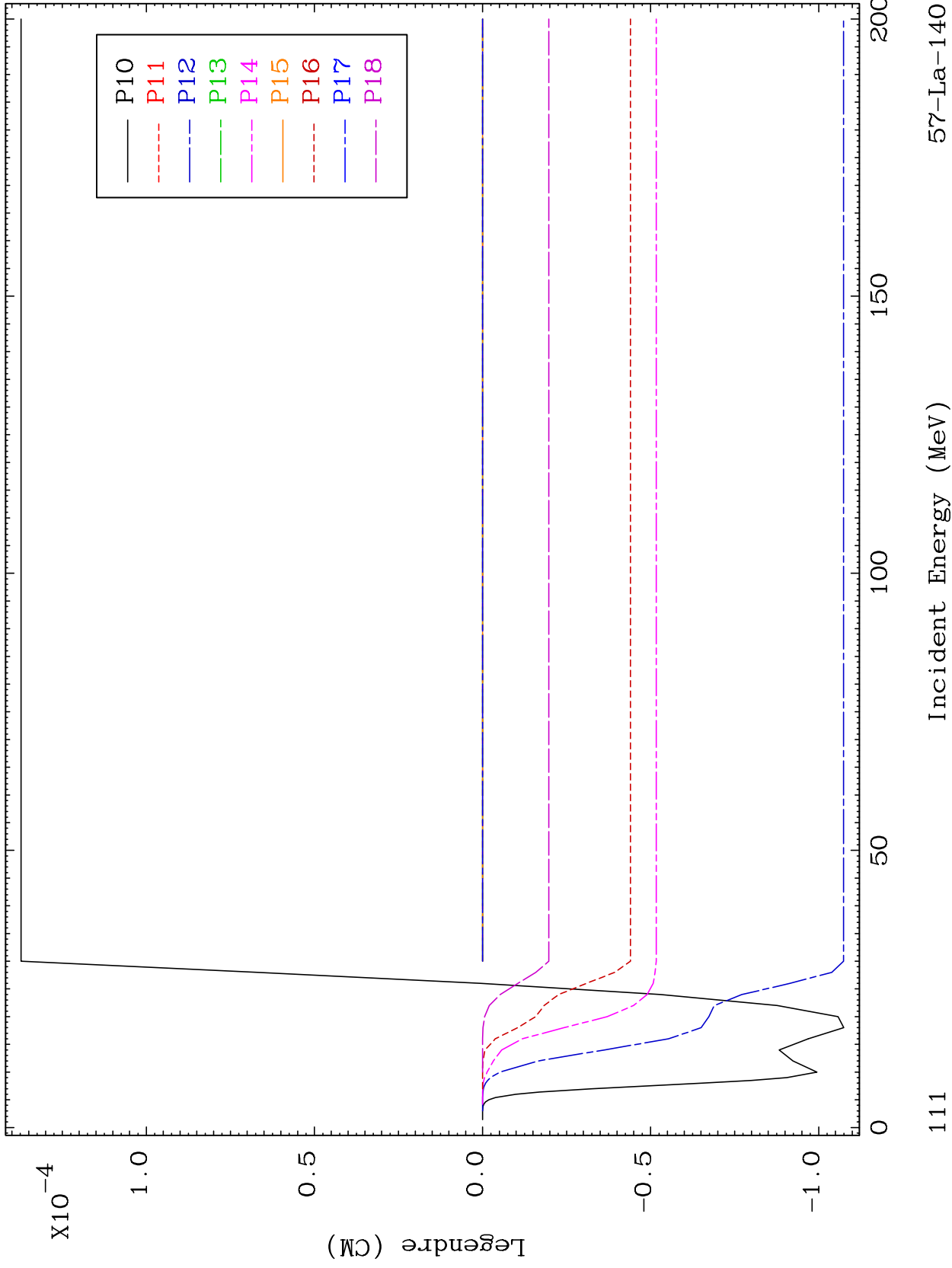


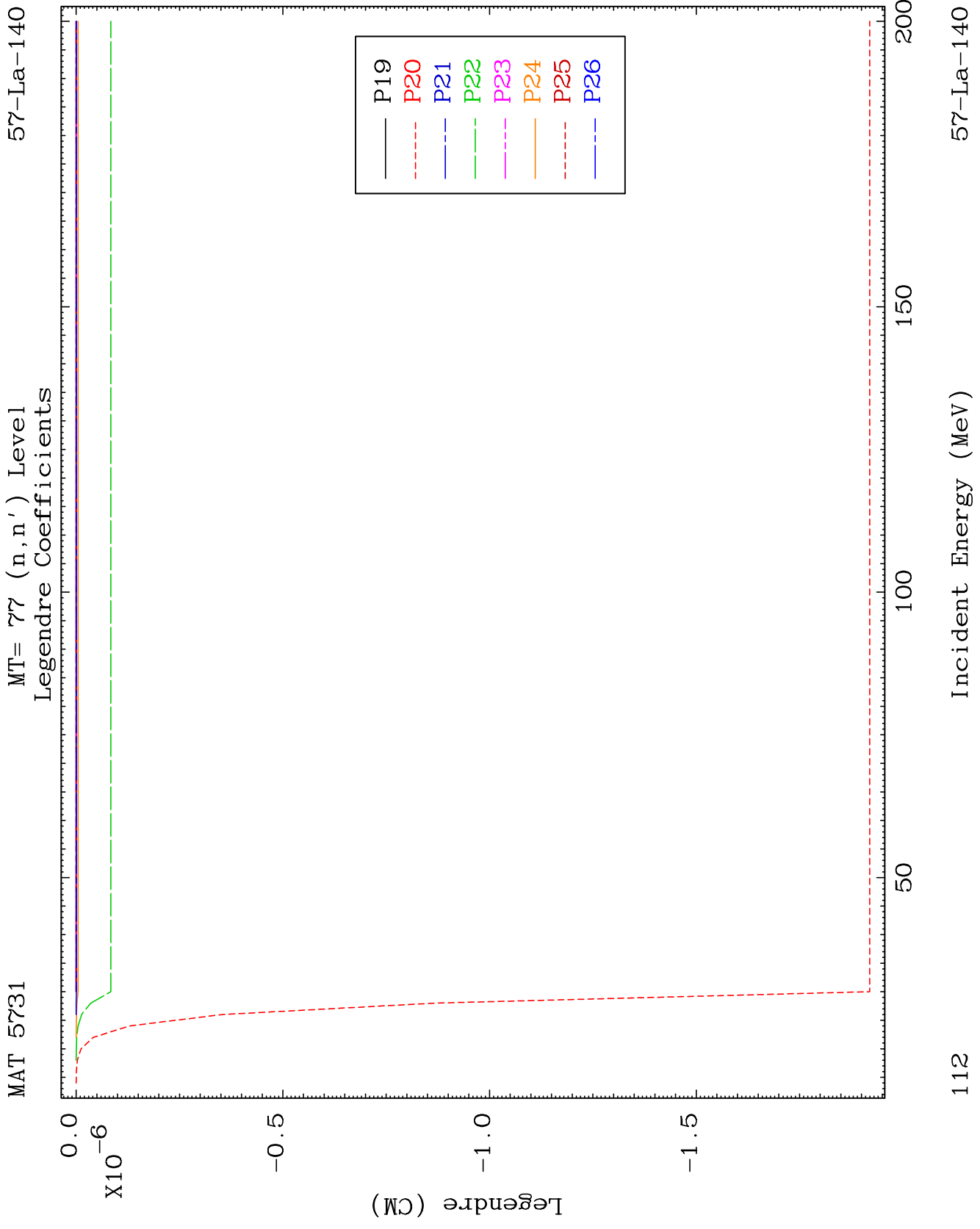


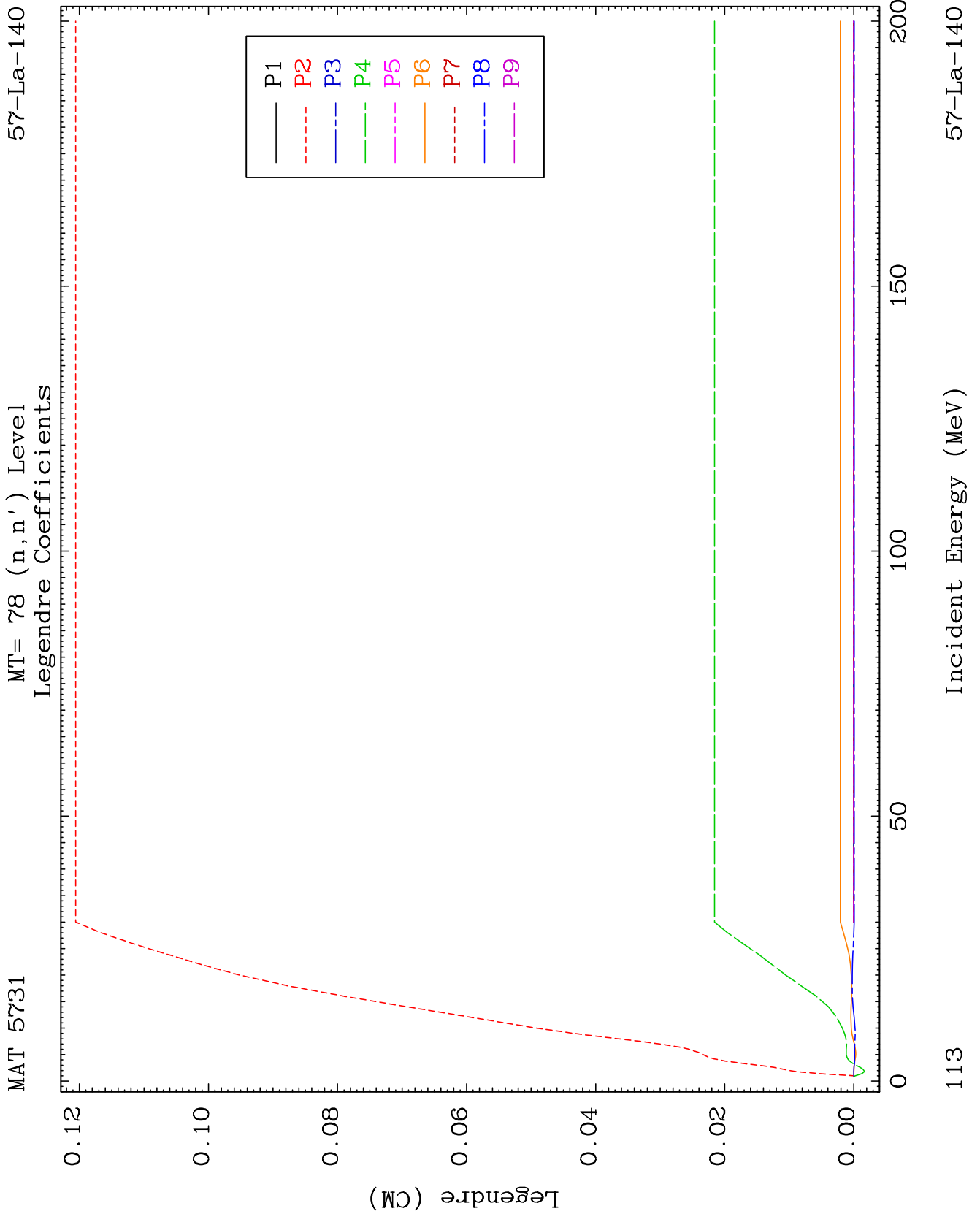
MAT 5731

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

57-La-140



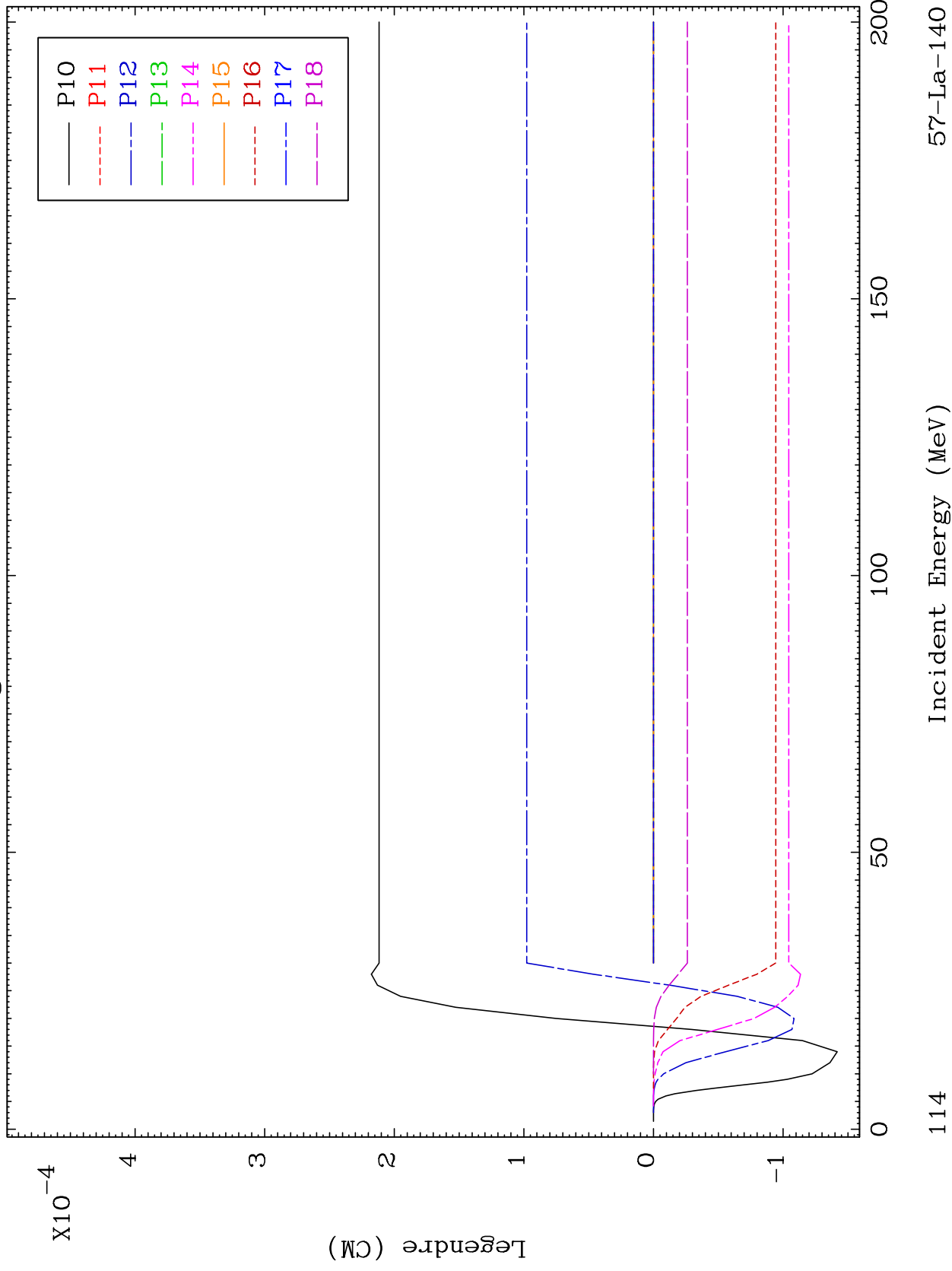


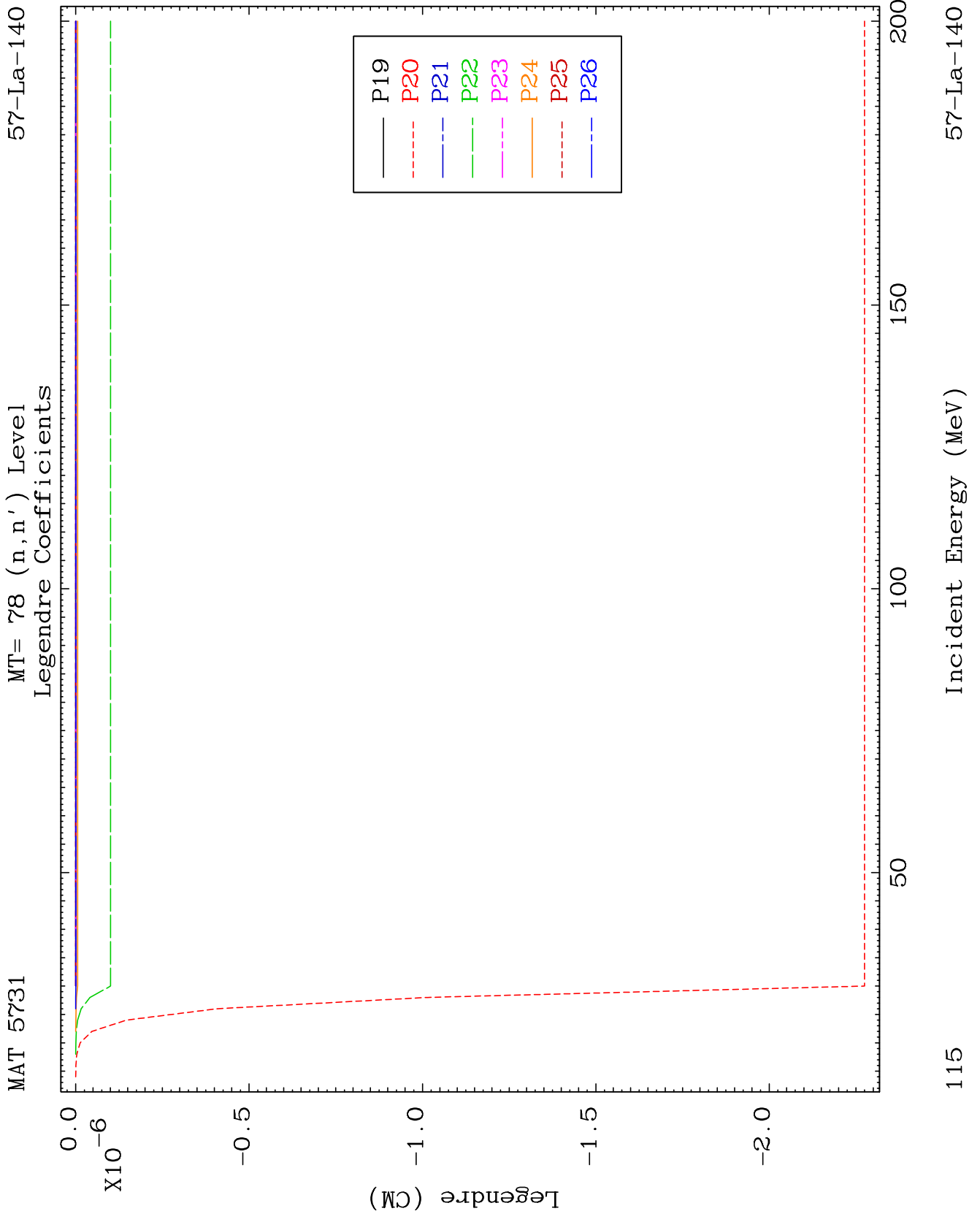


MAT 5731

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

57-La-140

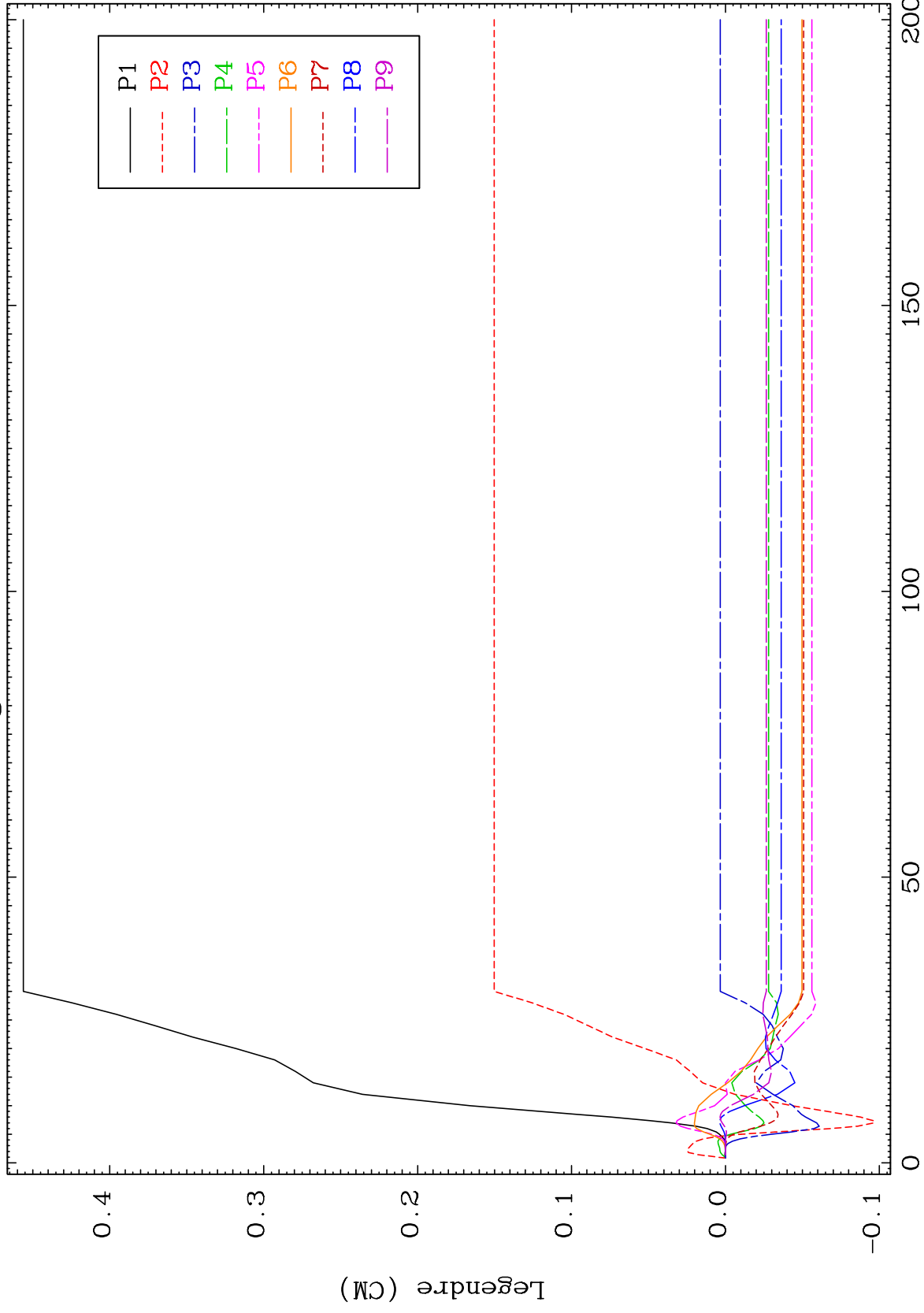




MAT 5731

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

57-La-140



57-La-140

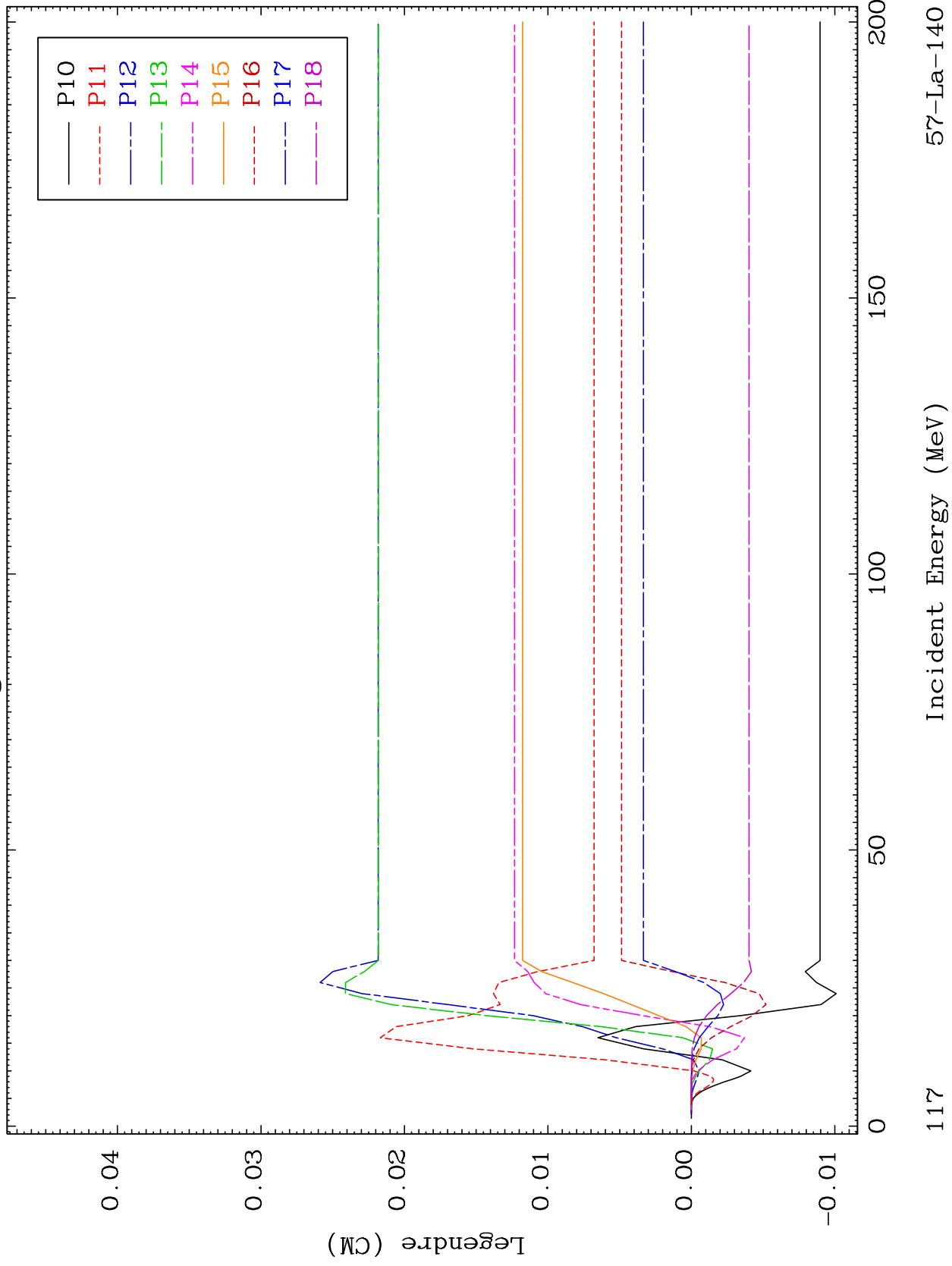
Incident Energy (MeV)

116

MAT 5731

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

57-La-140



117

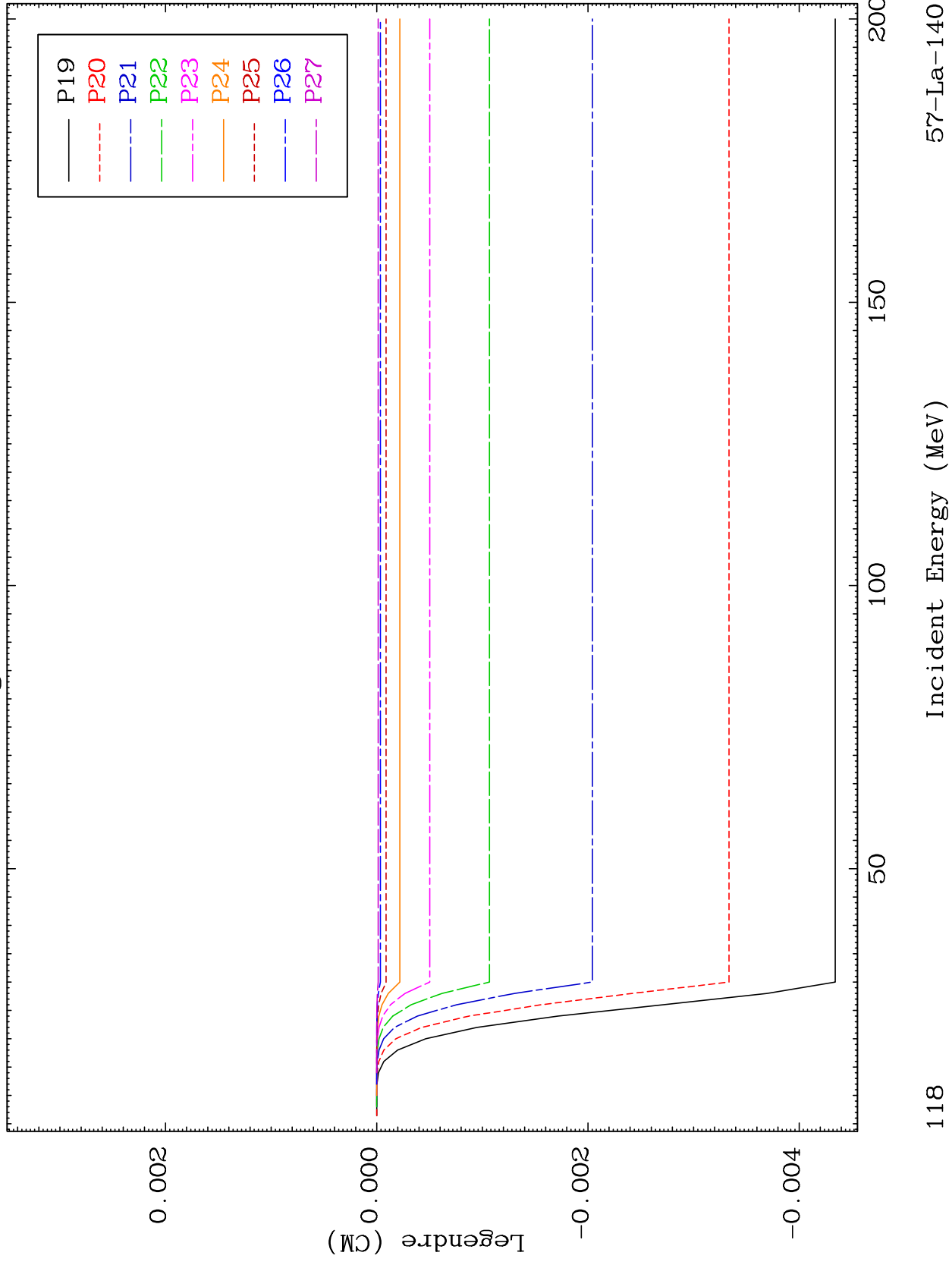
Incident Energy (MeV)

57-La-140

MAT 5731

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

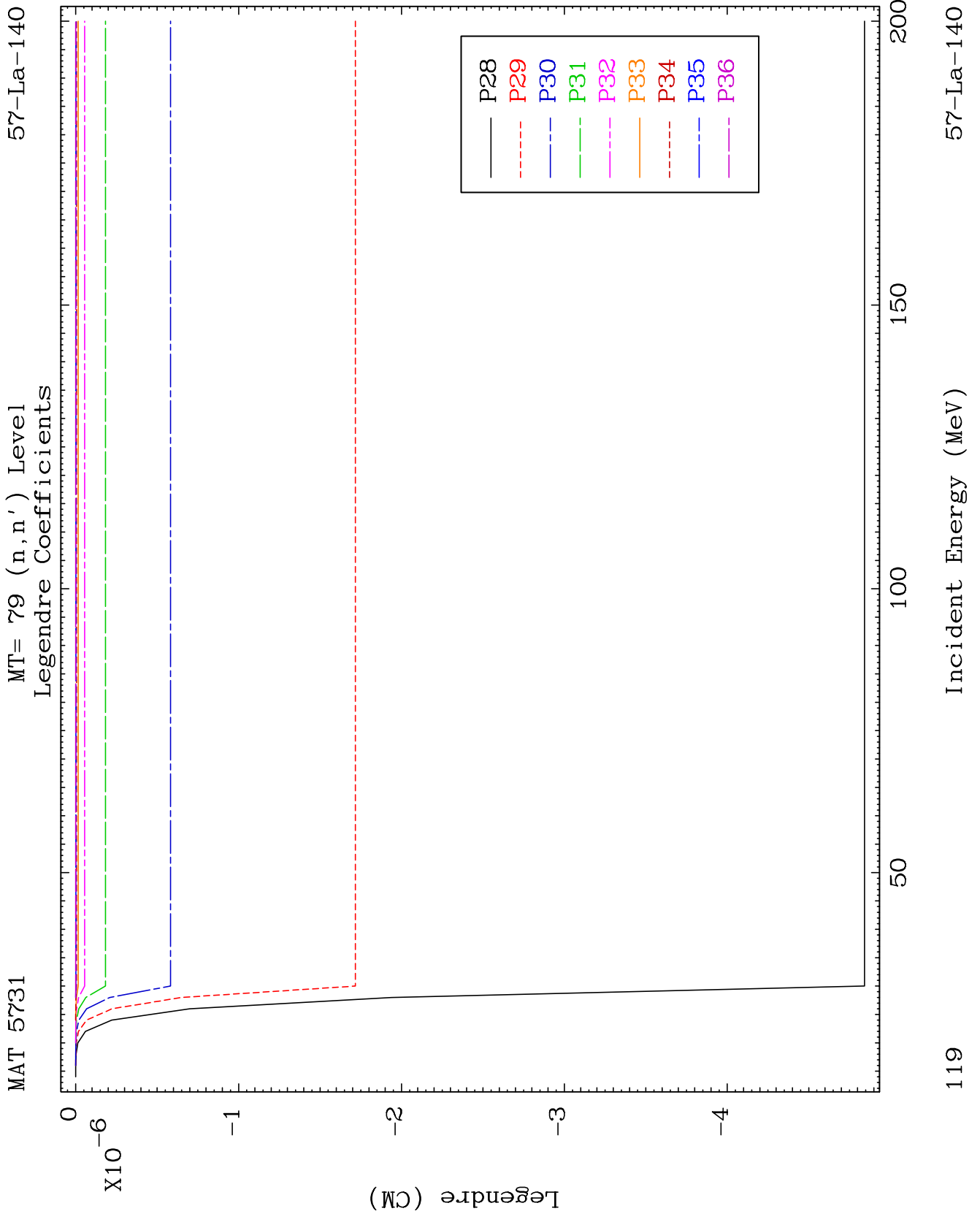
57-La-140

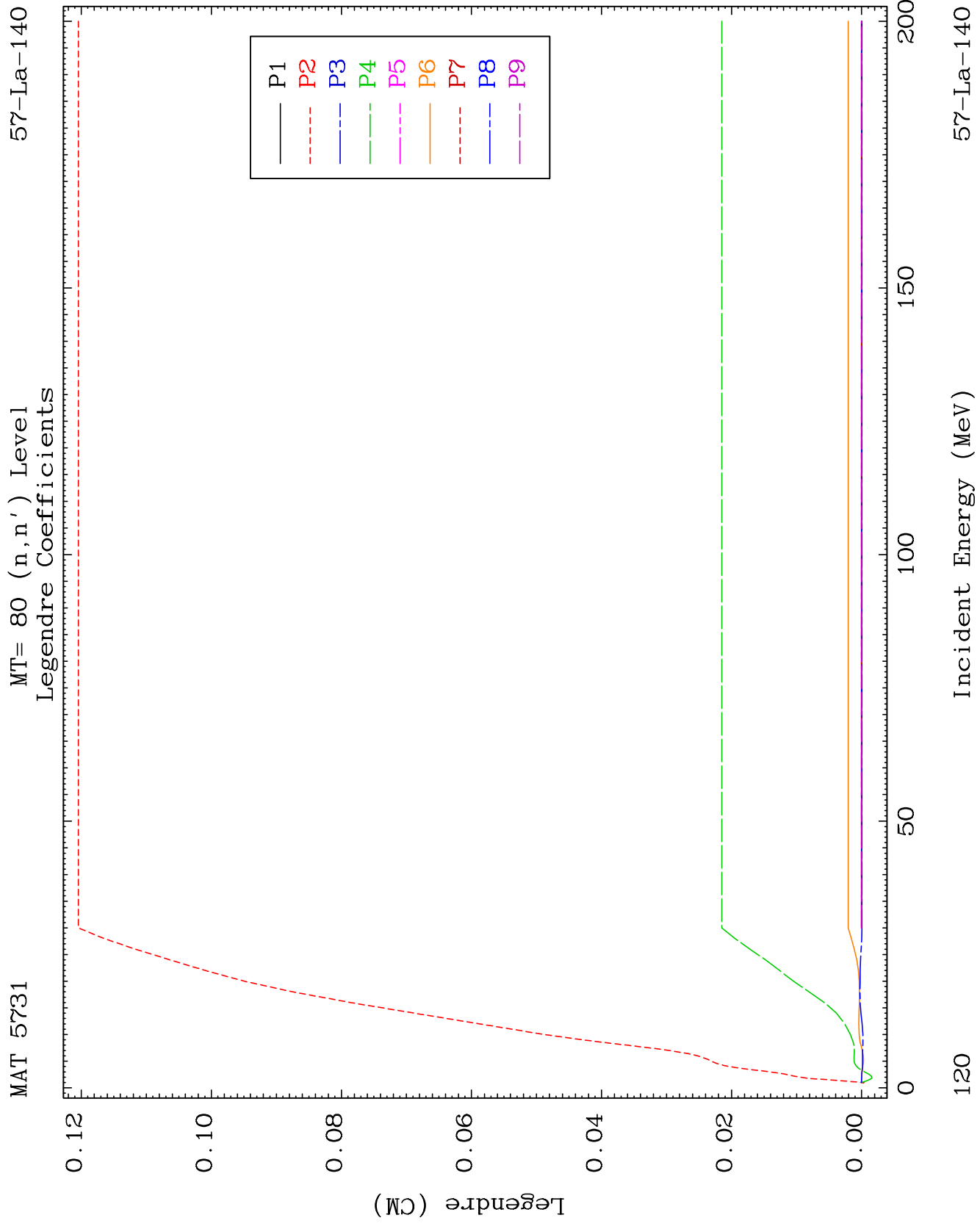


118

Incident Energy (MeV)

57-La-140

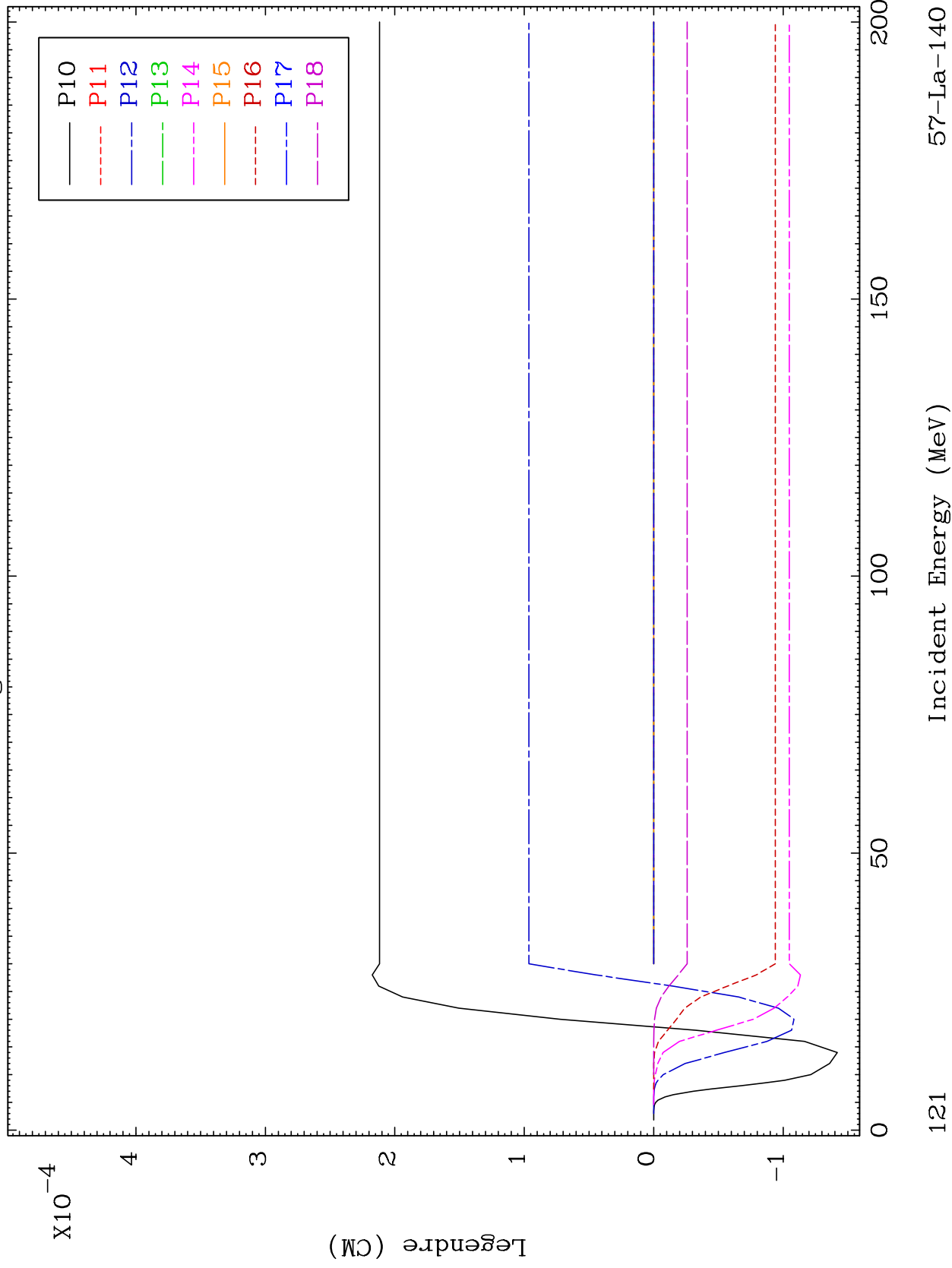




MAT 5731

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

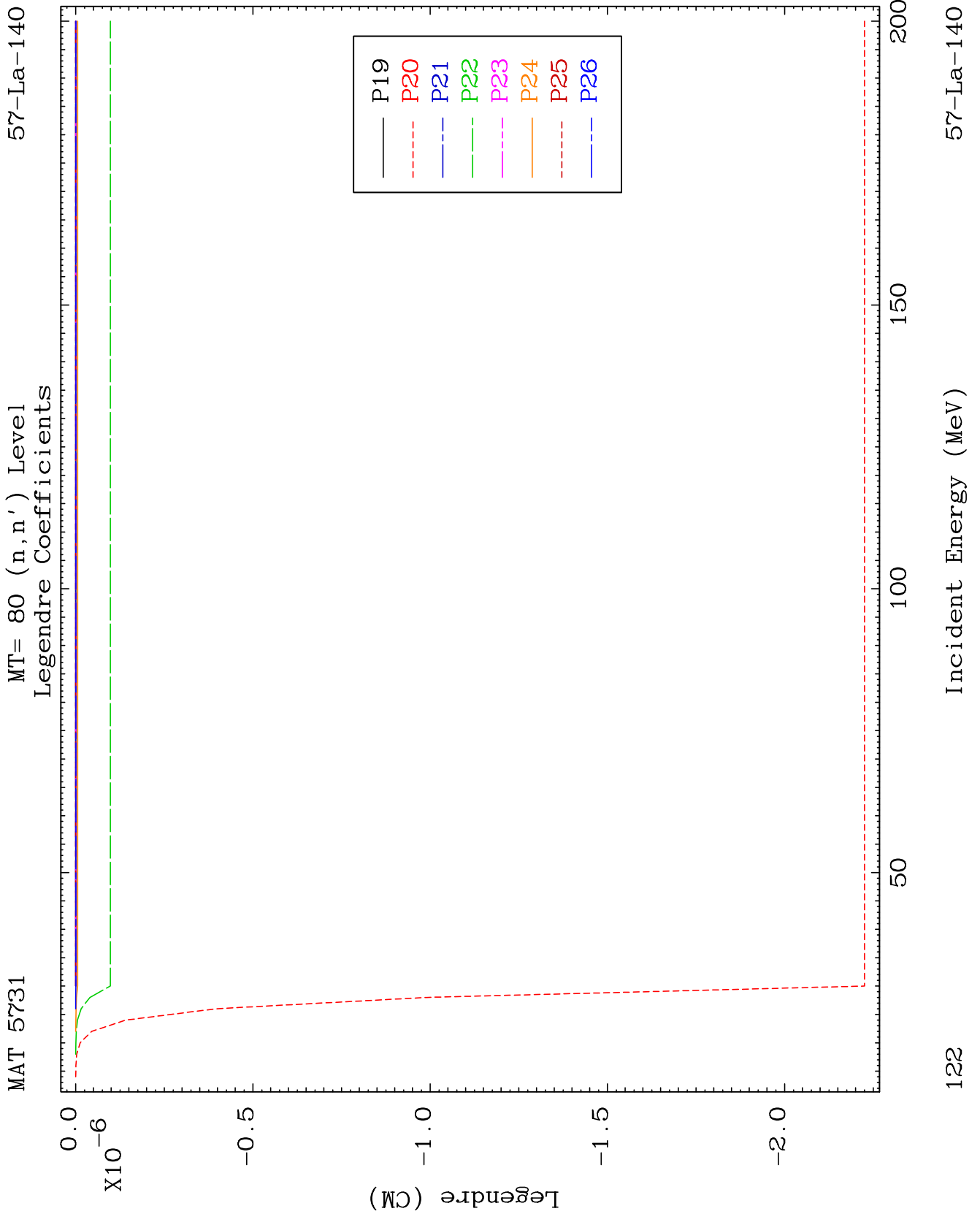
57-La-140



57-La-140

Incident Energy (MeV)

121

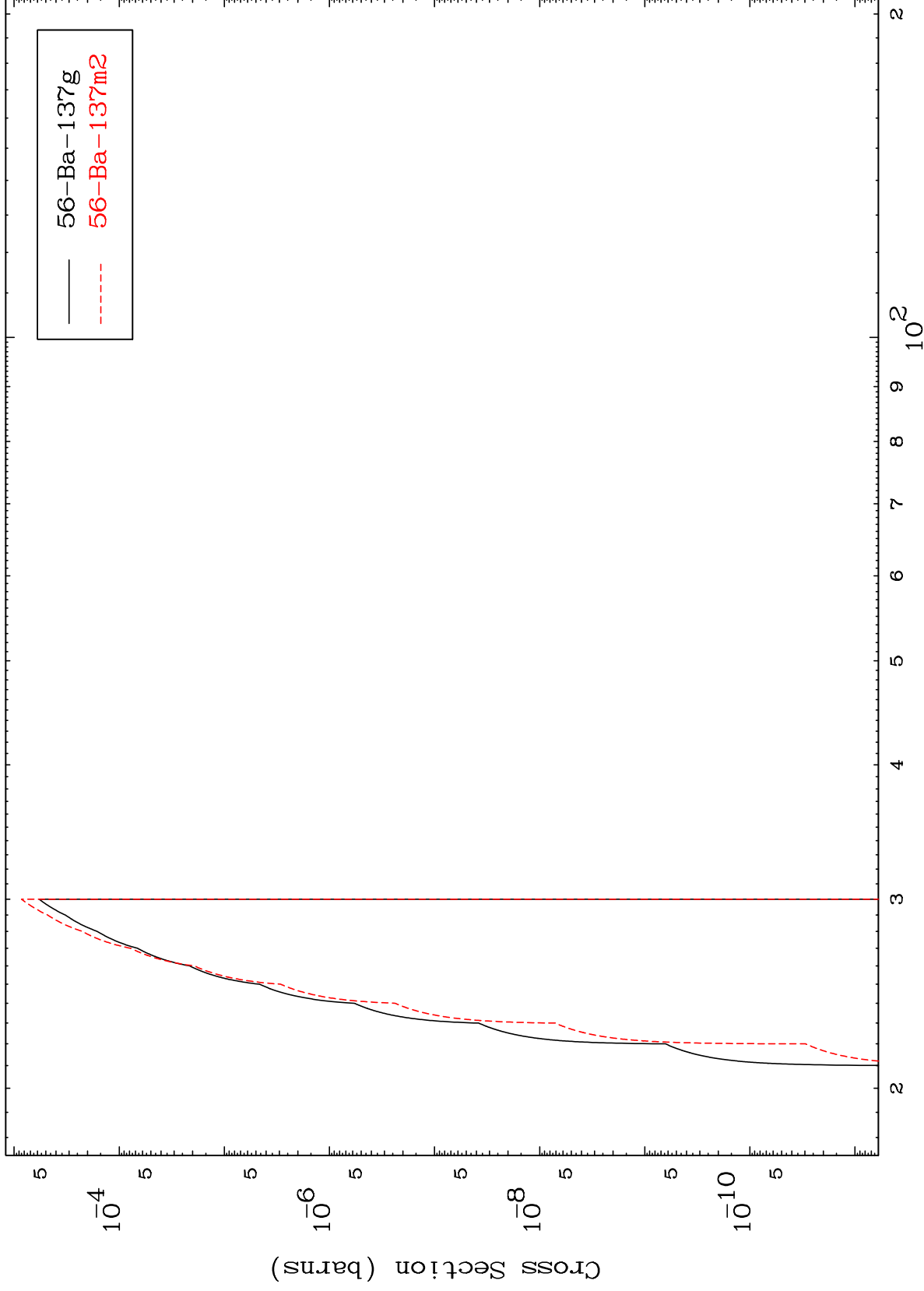


MAT 5731

(n,2n) d

57-La-140

Radionuclide Production Cross Section



123

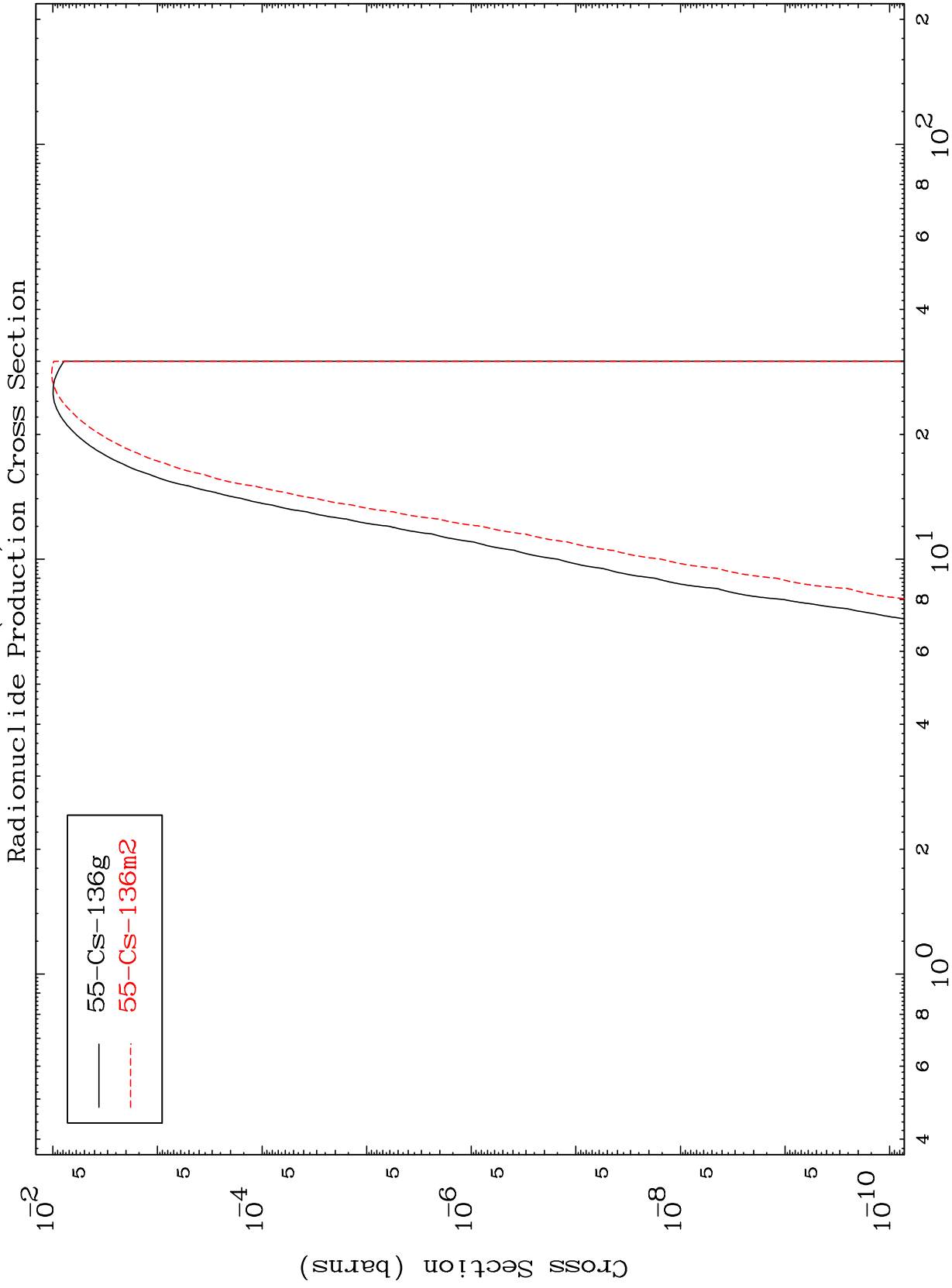
Incident Energy (MeV)

57-La-140

MAT 5731

(n,n')  $\alpha$

57-La-140

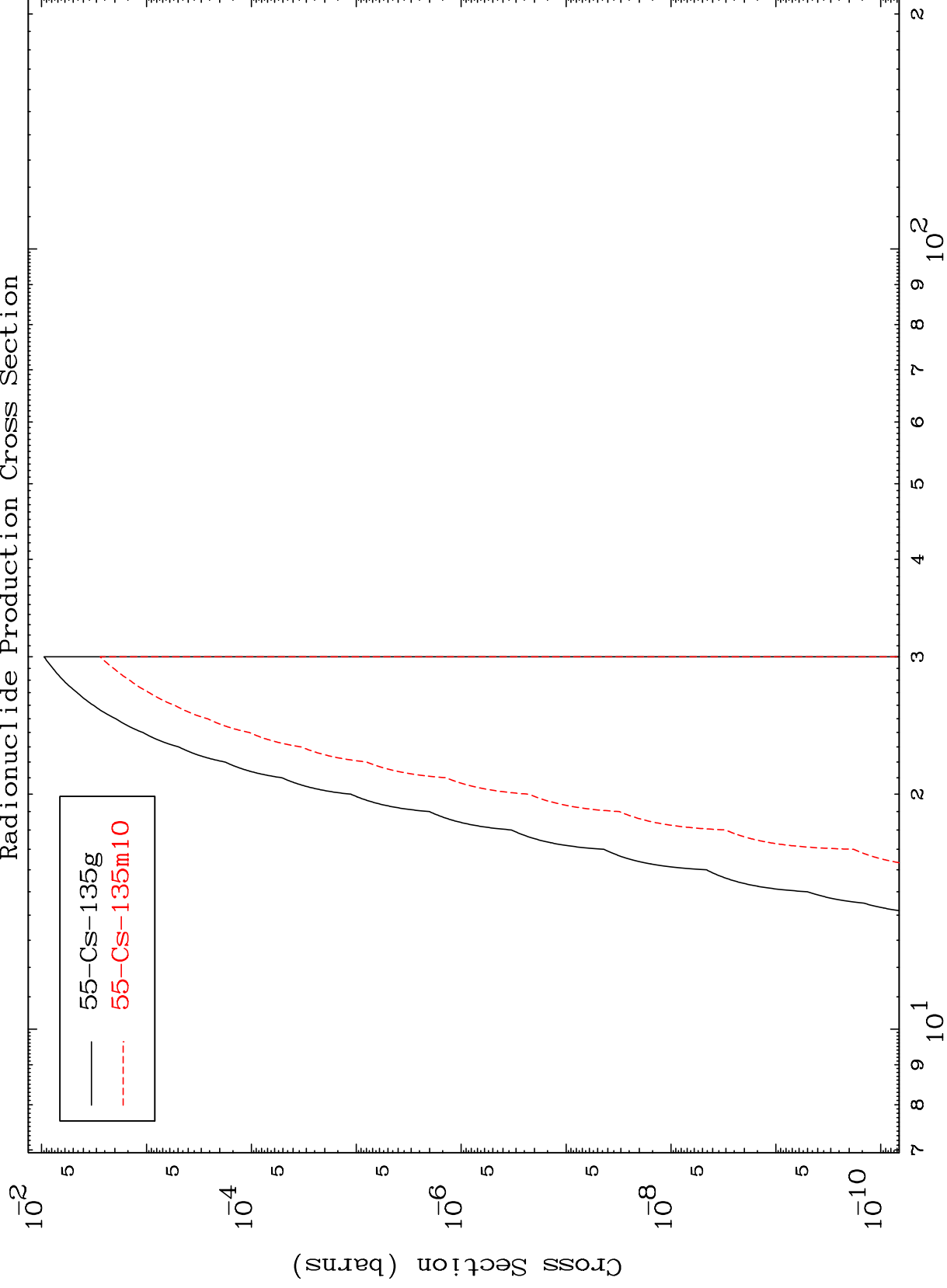


MAT 5731

(n,2n)  $\alpha$

57-La-140

Radionuclide Production Cross Section

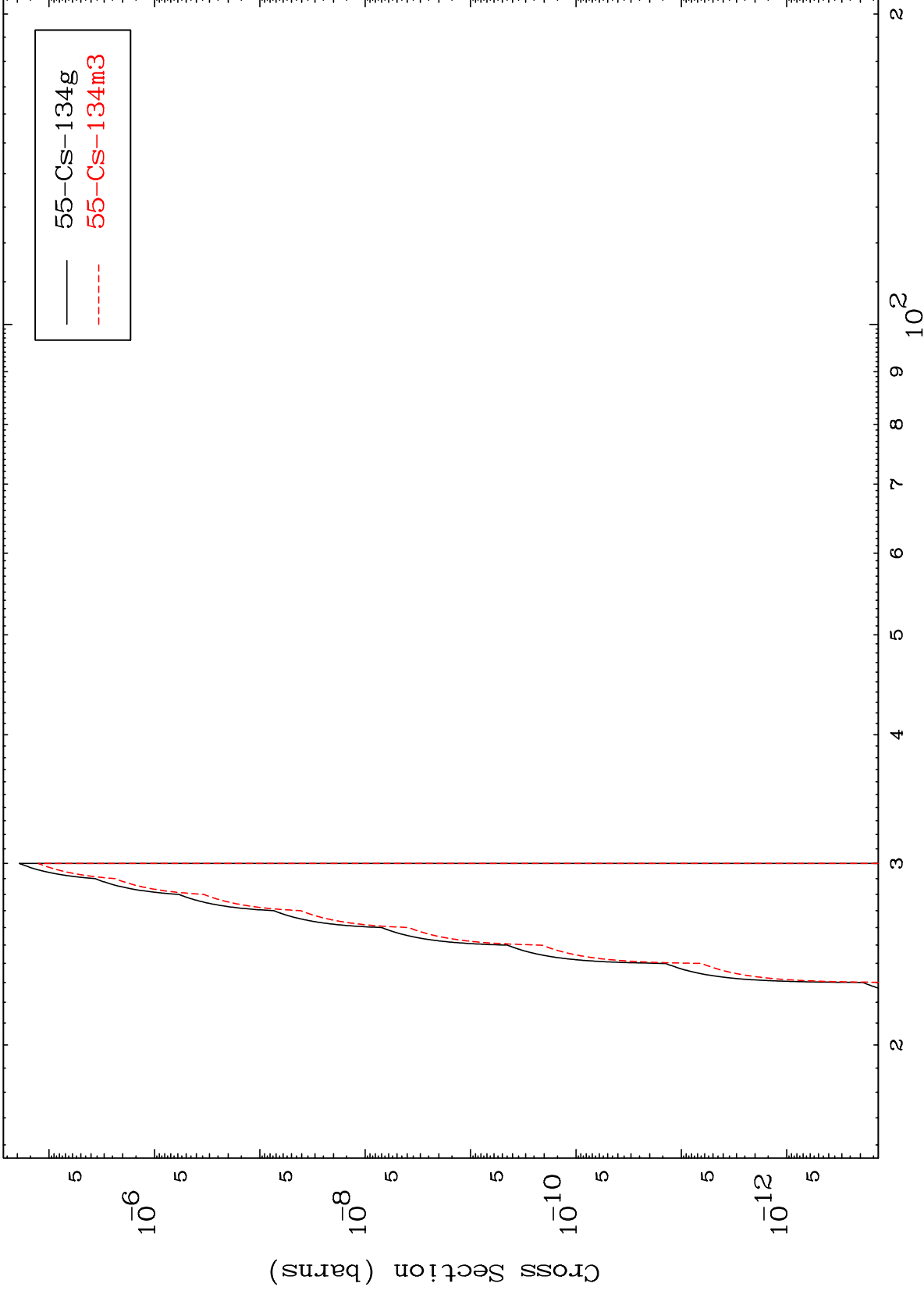


125

Incident Energy (MeV)

57-La-140

Radionuclide Production Cross Section

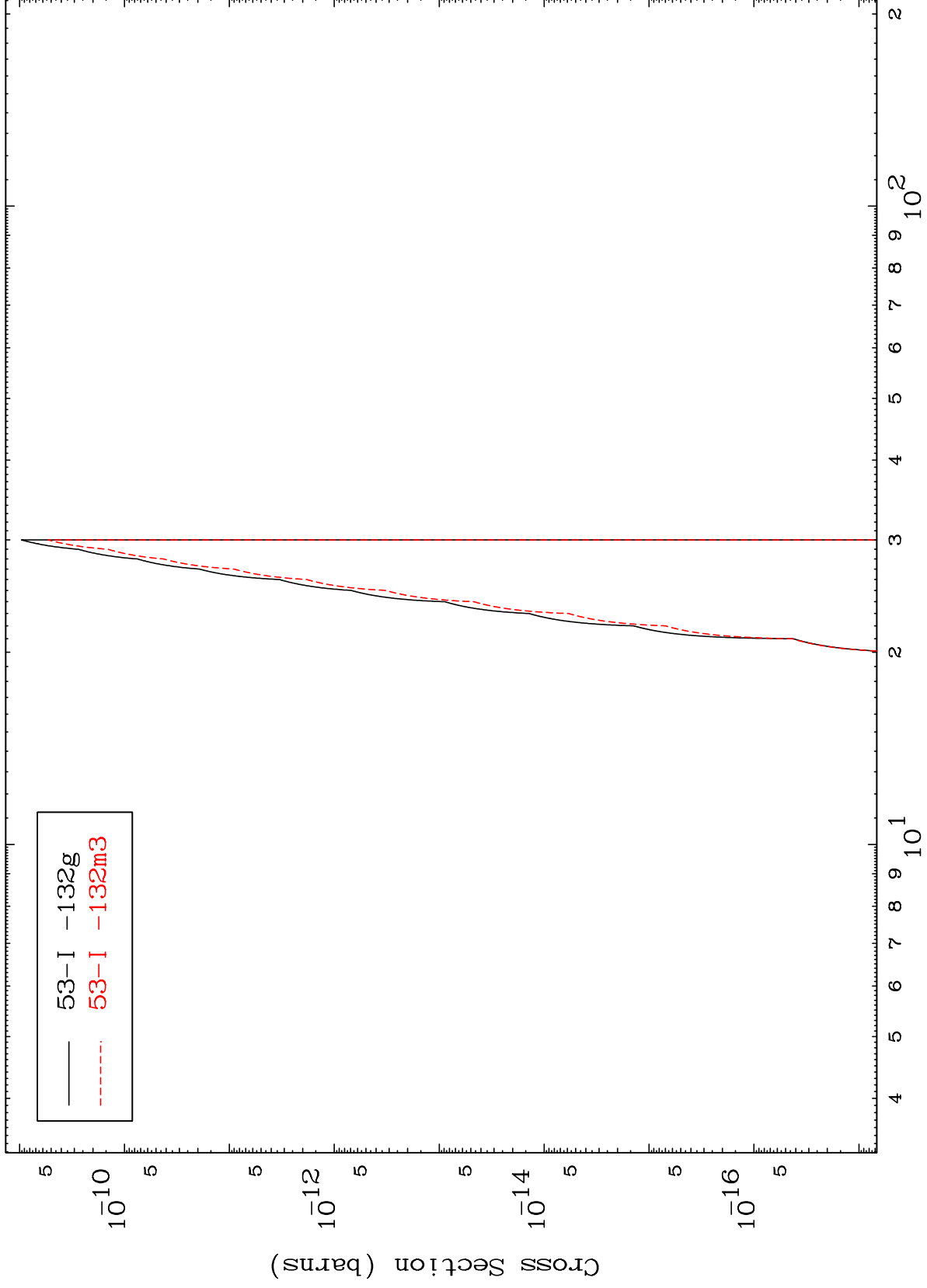


MAT 5731

(n,n') 2α

57-La-140

Radionuclide Production Cross Section

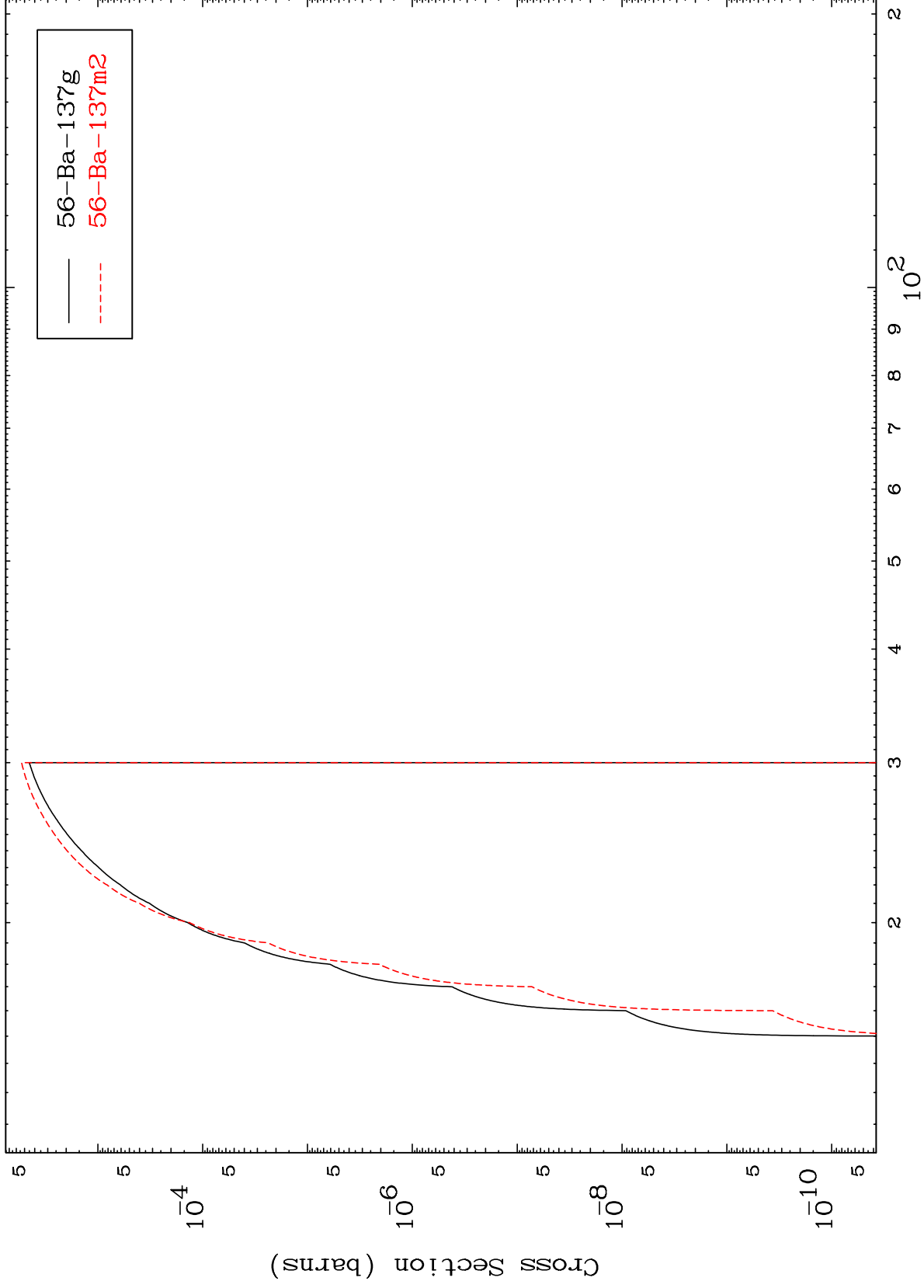


127

Incident Energy (MeV)

57-La-140

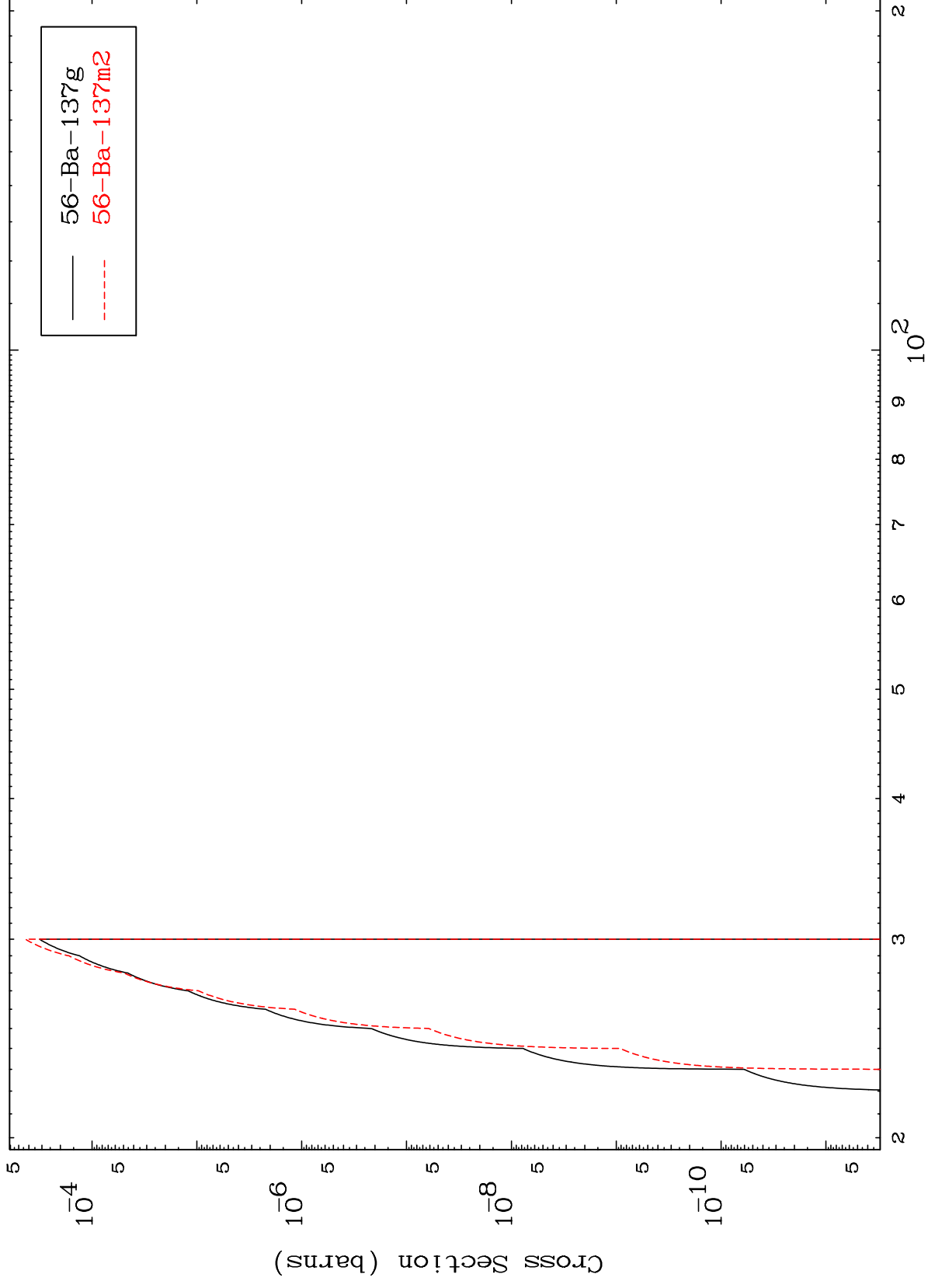
(n,n') t  
Radionuclide Production Cross Section



MAT 5731

57-La-140

$(n,3n)$  p  
Radionuclide Production Cross Section



57-La-140

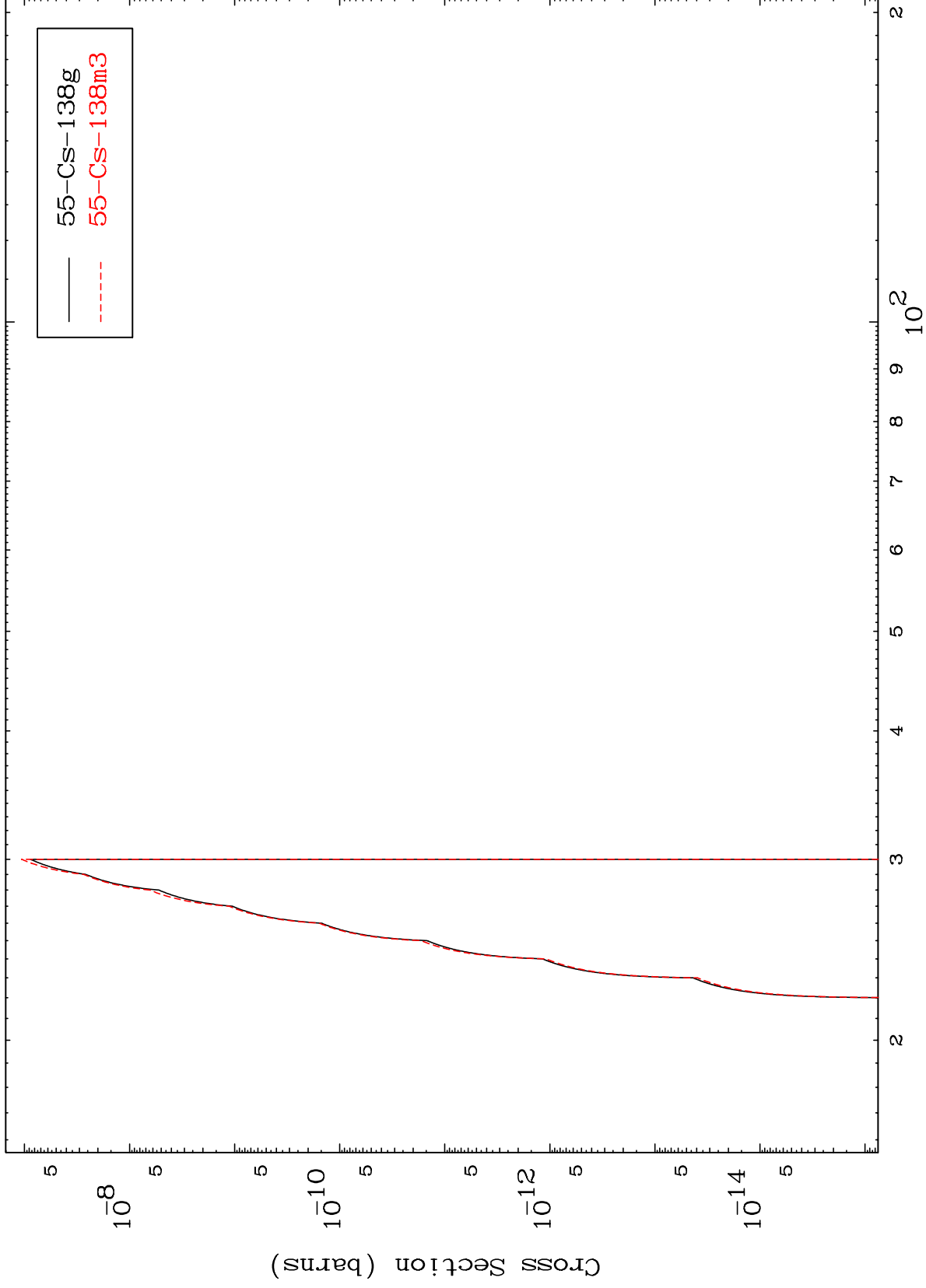
Incident Energy (MeV)

129

MAT 5731

57-La-140

(n,2n) p  
Radionuclide Production Cross Section



130

Incident Energy (MeV)

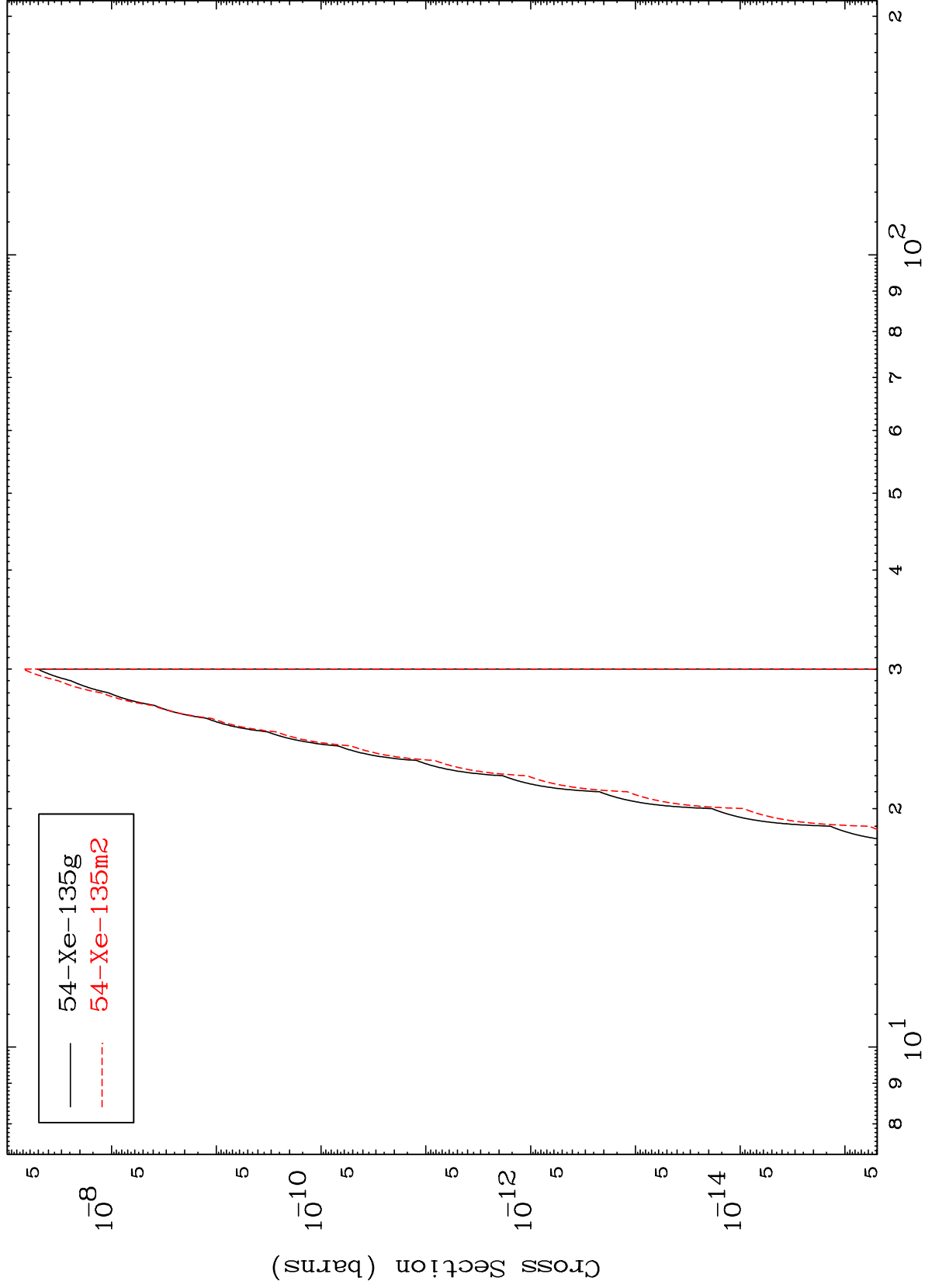
57-La-140

MAT 5731

(n,n') p  $\alpha$

57-La-140

Radionuclide Production Cross Section



131

Incident Energy (MeV)

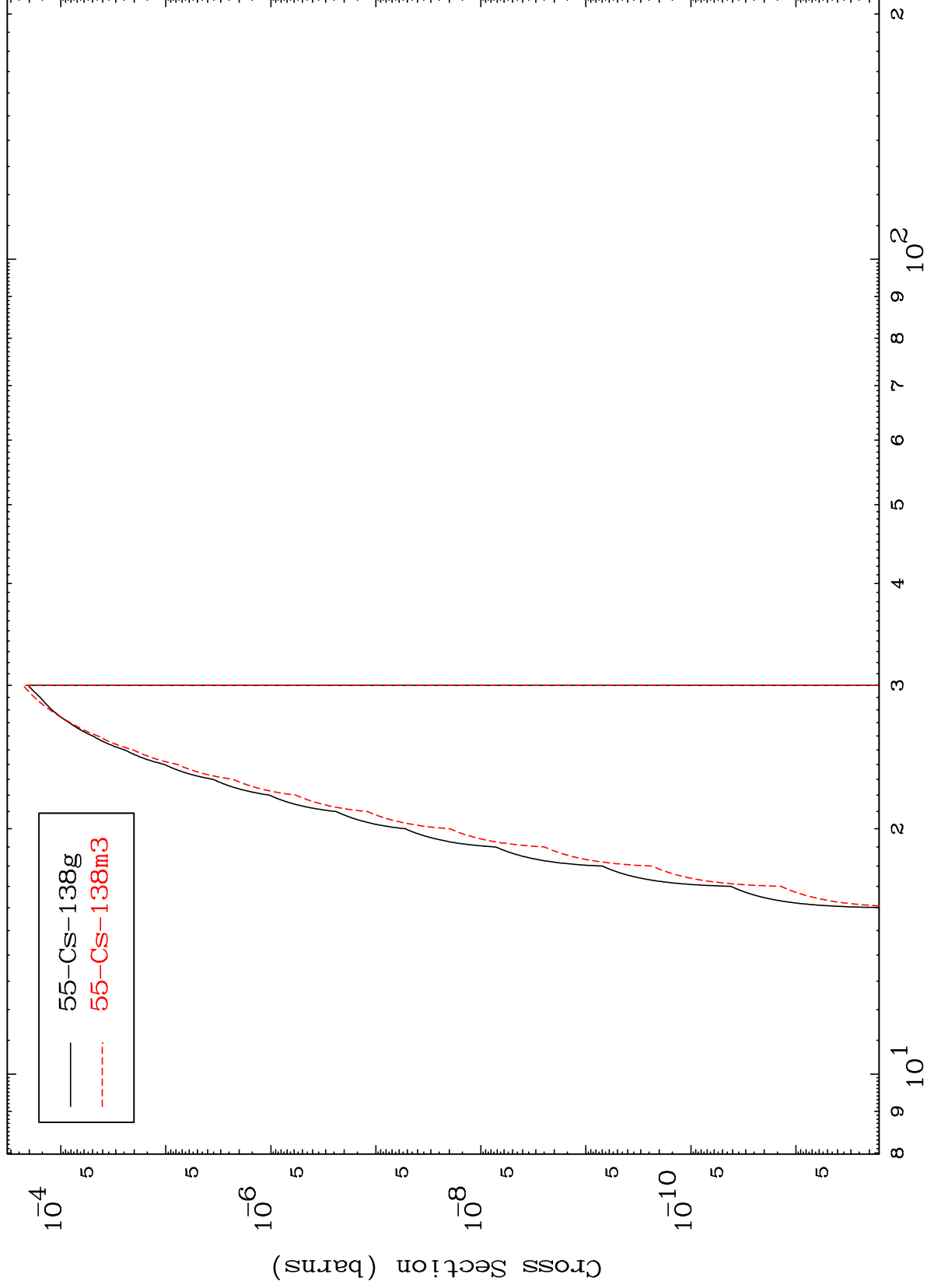
57-La-140

MAT 5731

(n,He-3)

57-La-140

Radionuclide Production Cross Section



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

132

Incident Energy (MeV)

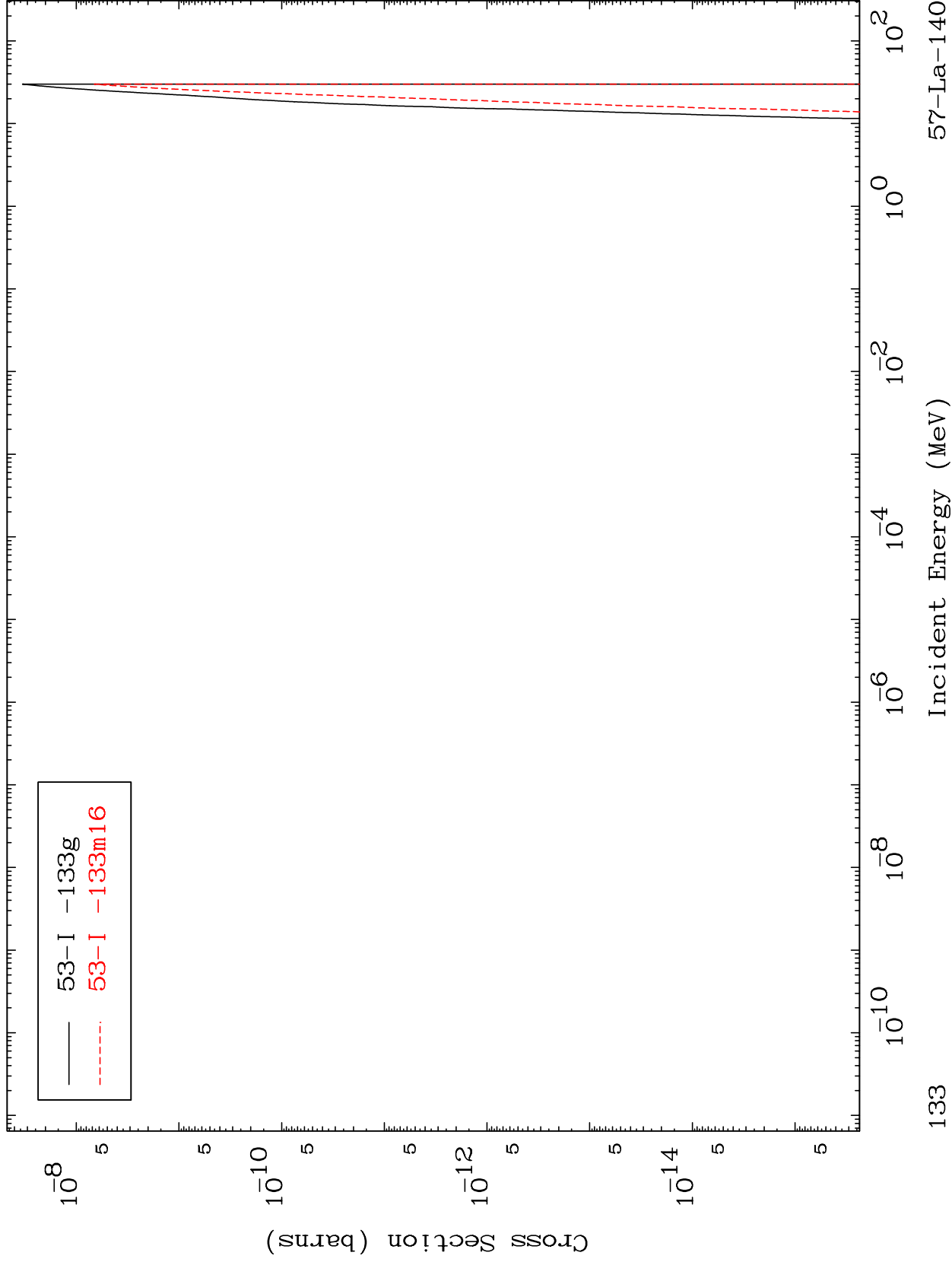
57-La-140

MAT 5731

(n,2α)

57-La-140

Radionuclide Production Cross Section

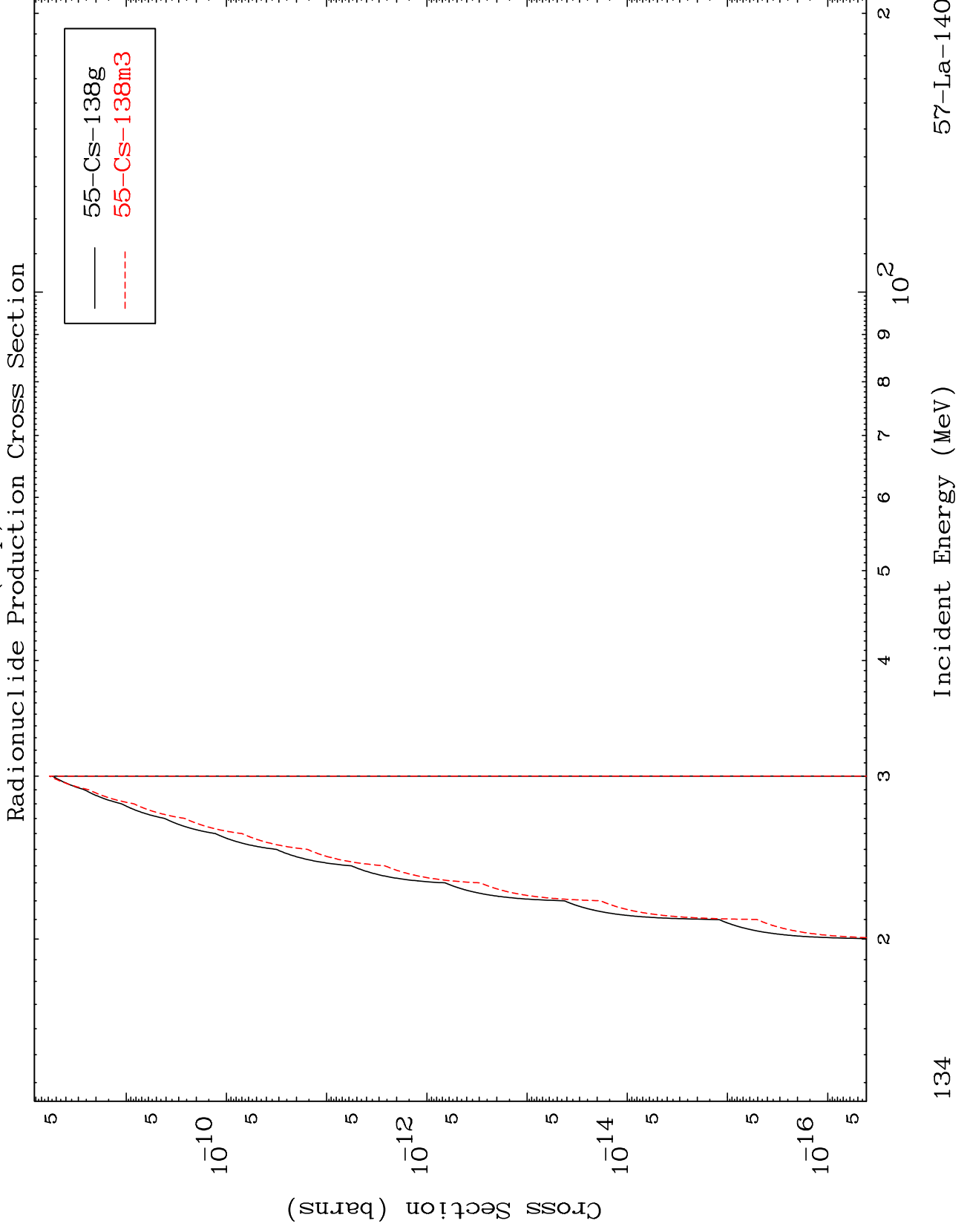


53-I -133g  
53-I -133m16

MAT 5731

(n,p) d

57-La-140



134

Incident Energy (MeV)

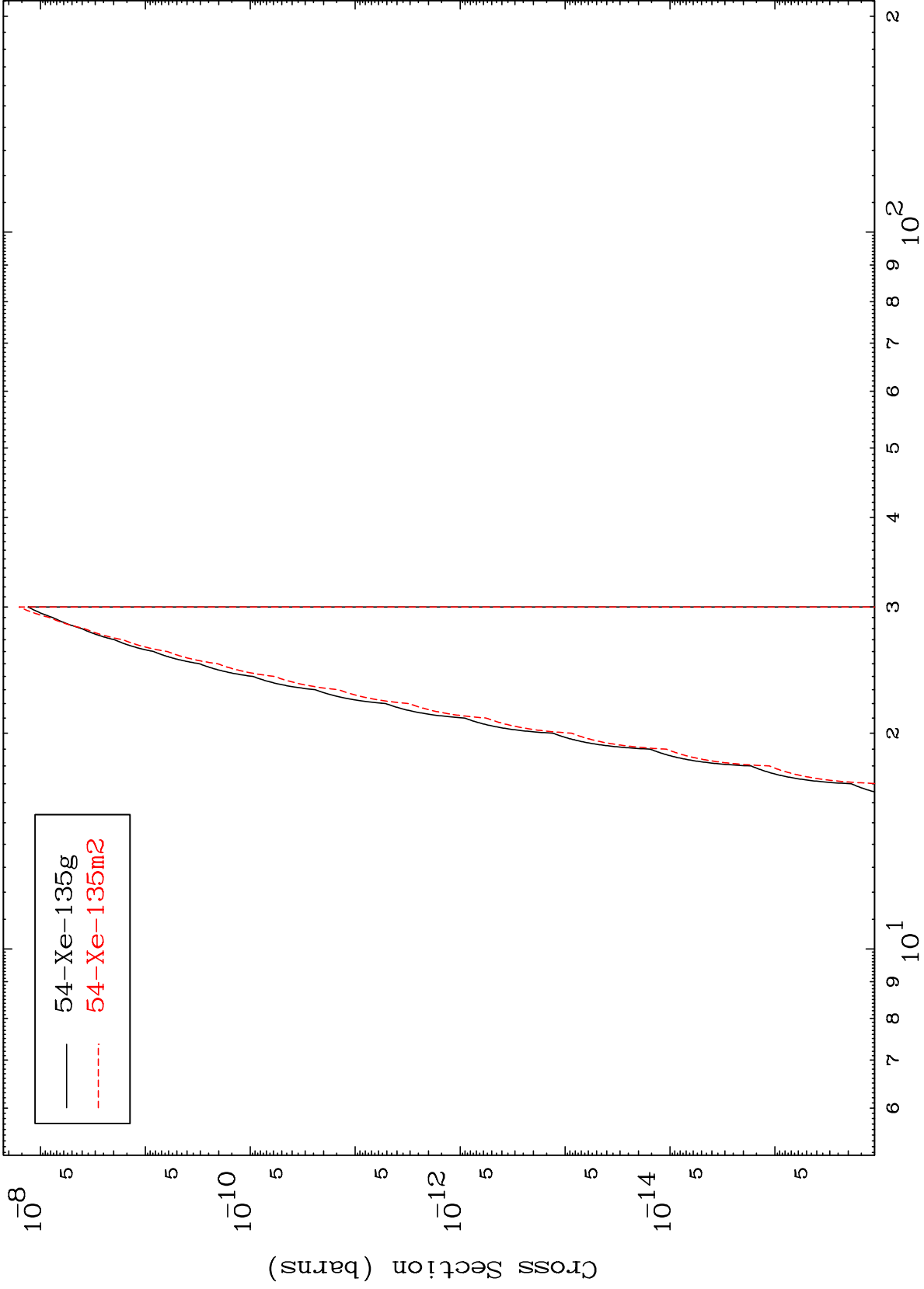
57-La-140

MAT 5731

(n,d)  $\alpha$

57-La-140

Radionuclide Production Cross Section



135

Incident Energy (MeV)

57-La-140