

Program EVALPLOT  
(Version 2018-1)

by

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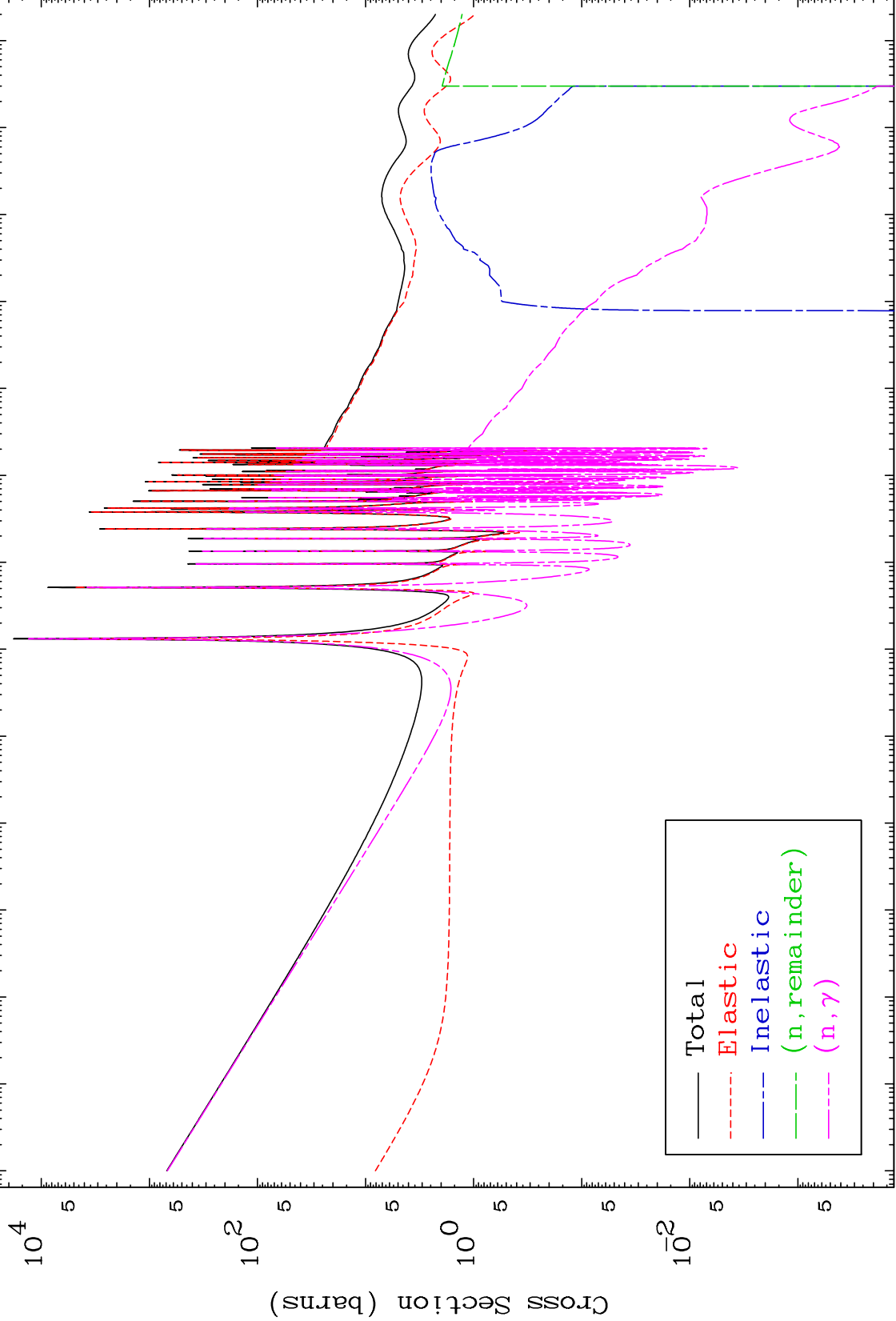
Press Mouse Button to Start

MAT 5737

Major

293 Kelvin Cross Sections

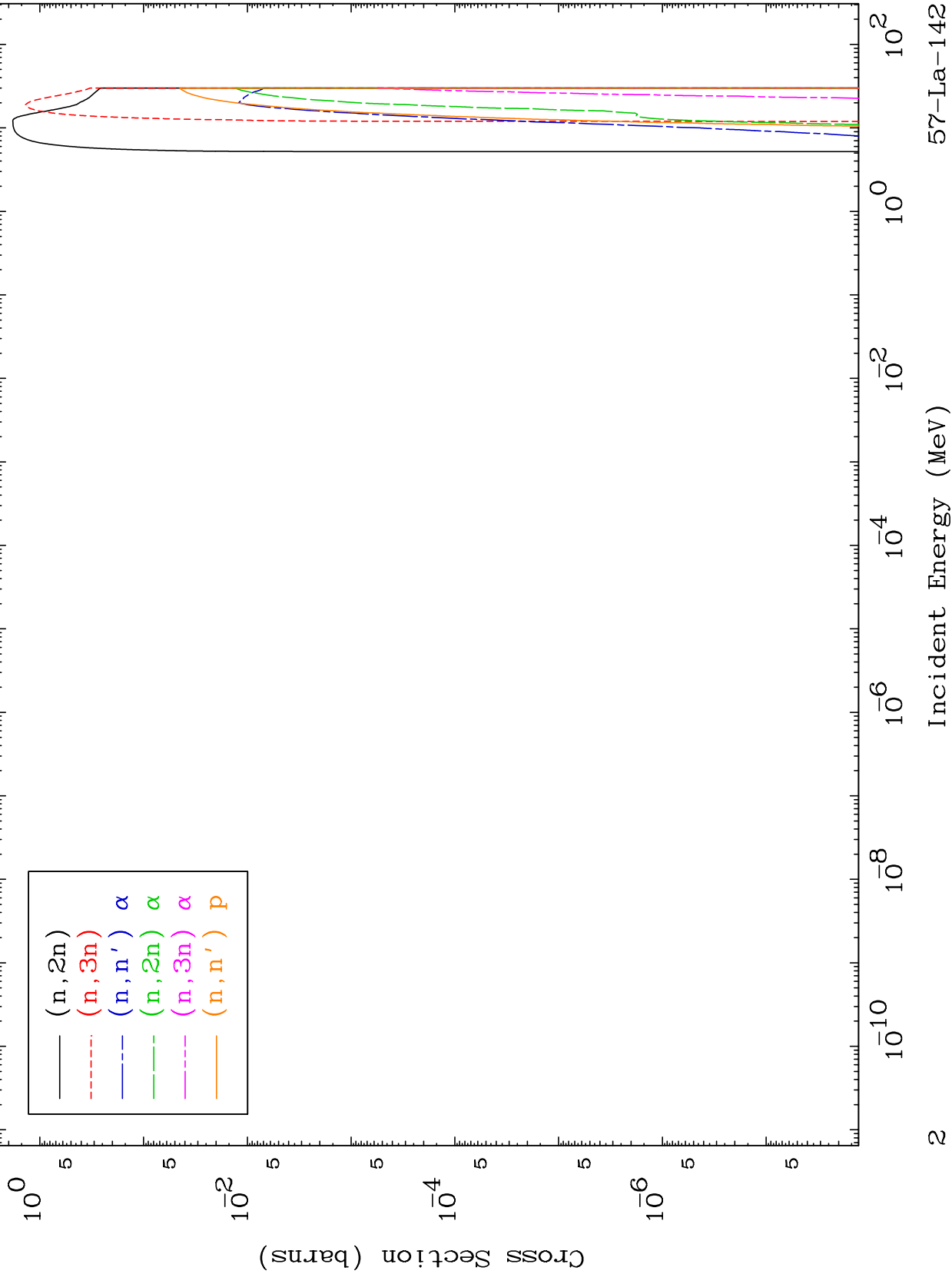
57-La-142



MAT 5737

Neutron Production  
293 Kelvin Cross Sections

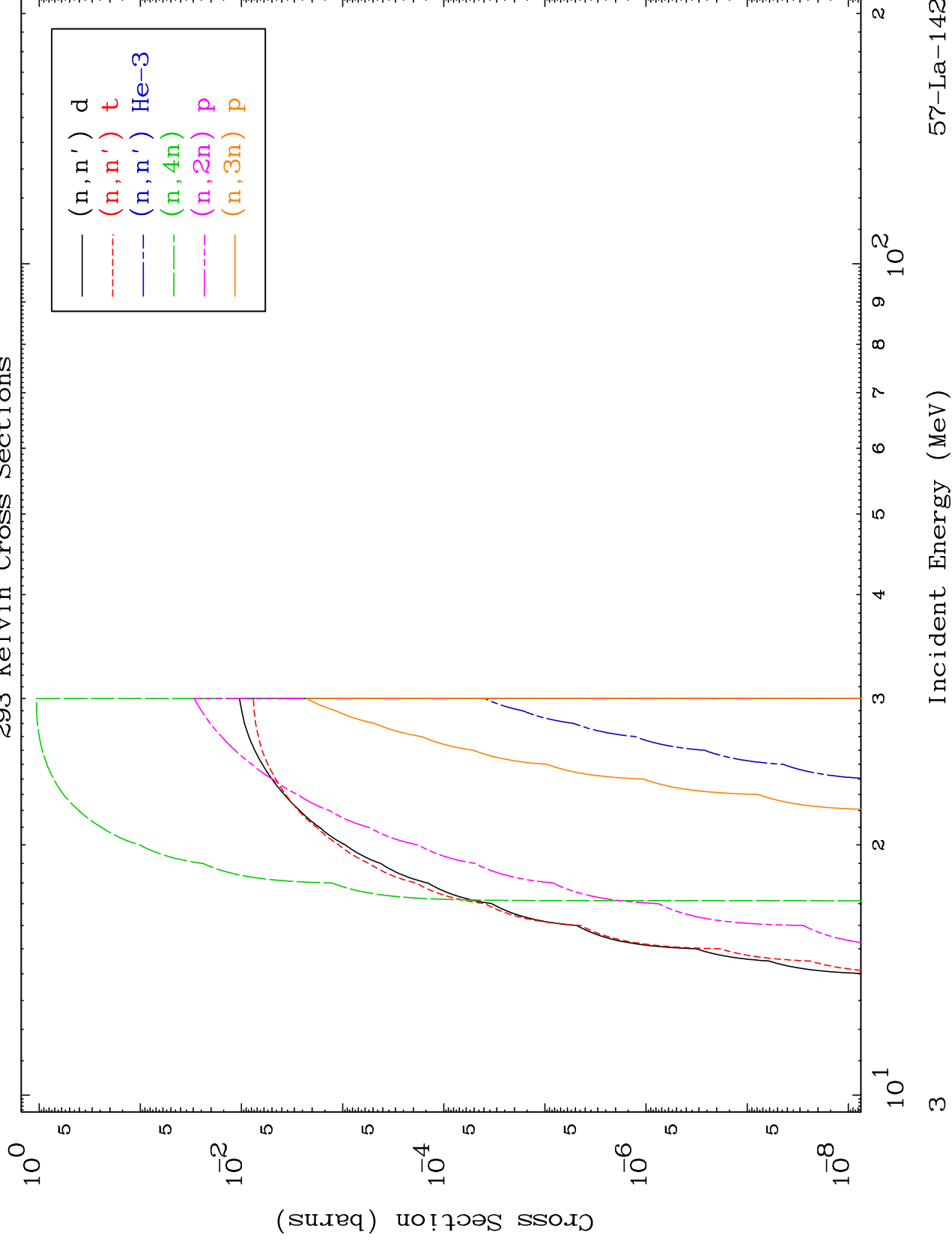
57-La-142



MAT 5737

Neutron Production  
293 Kelvin Cross Sections

57-La-142



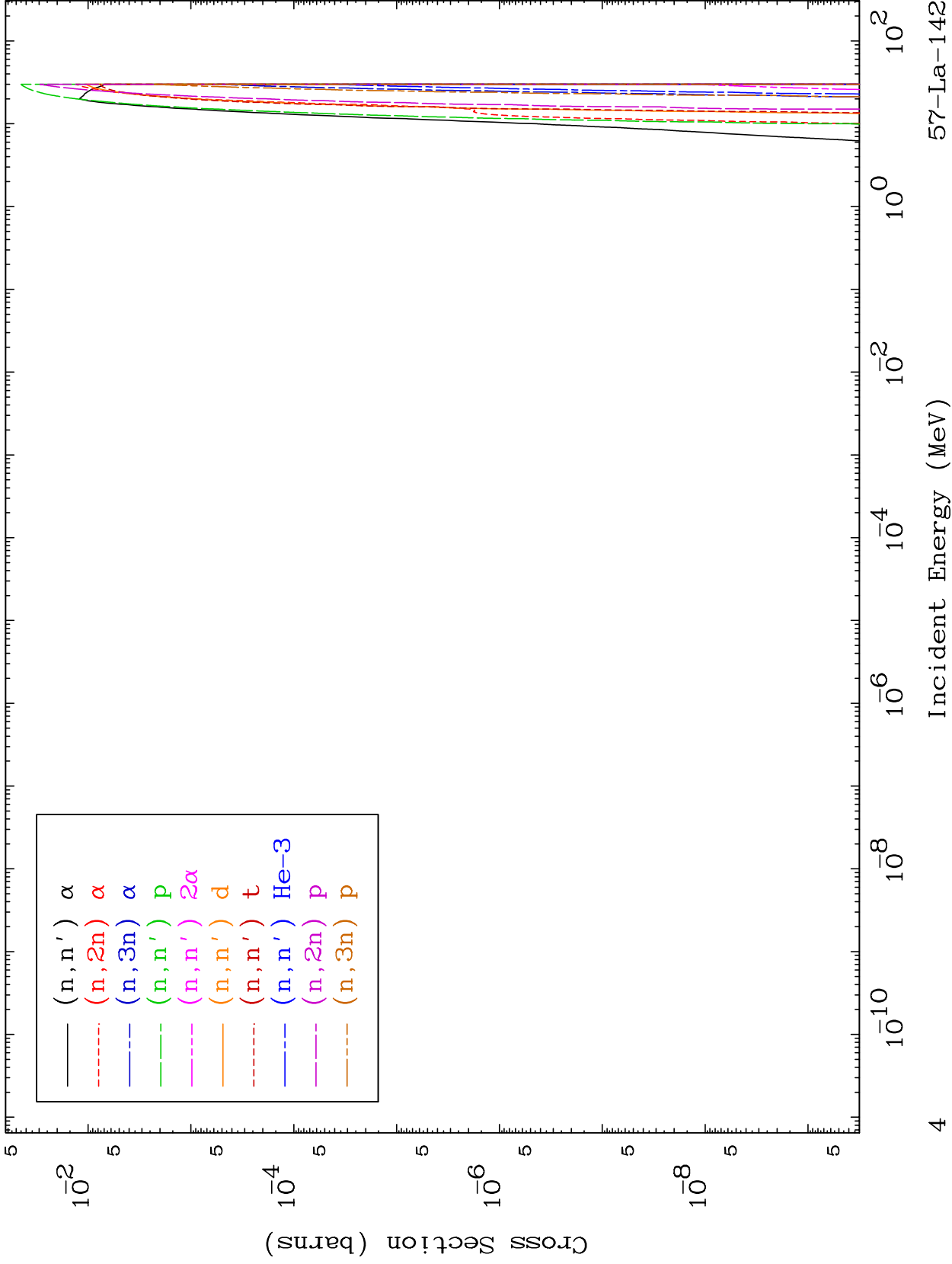
57-La-142

Incident Energy (MeV)

MAT 5737

Charged Particle  
293 Kelvin Cross Sections

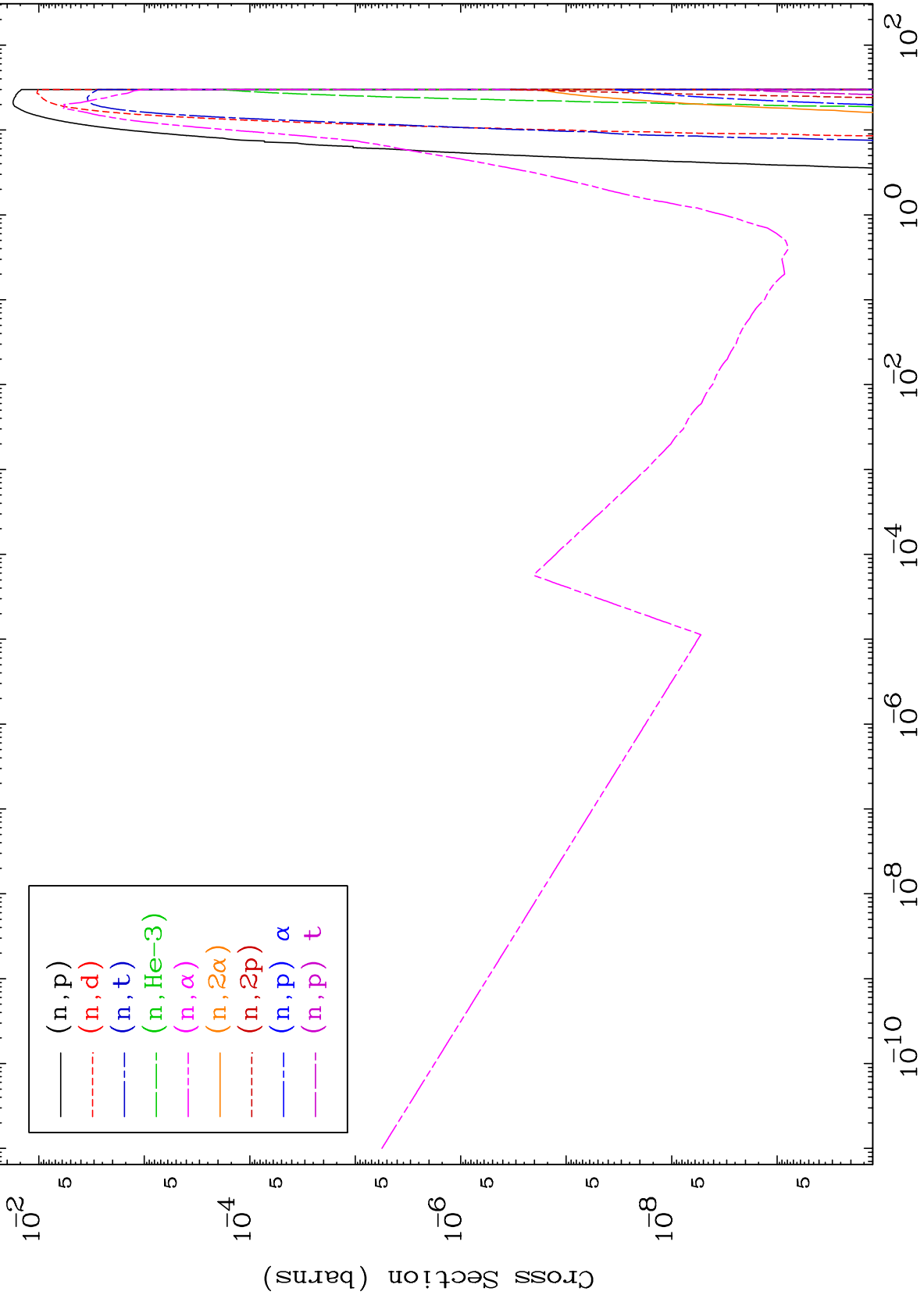
57-La-142



MAT 5737

Charged Particle  
293 Kelvin Cross Sections

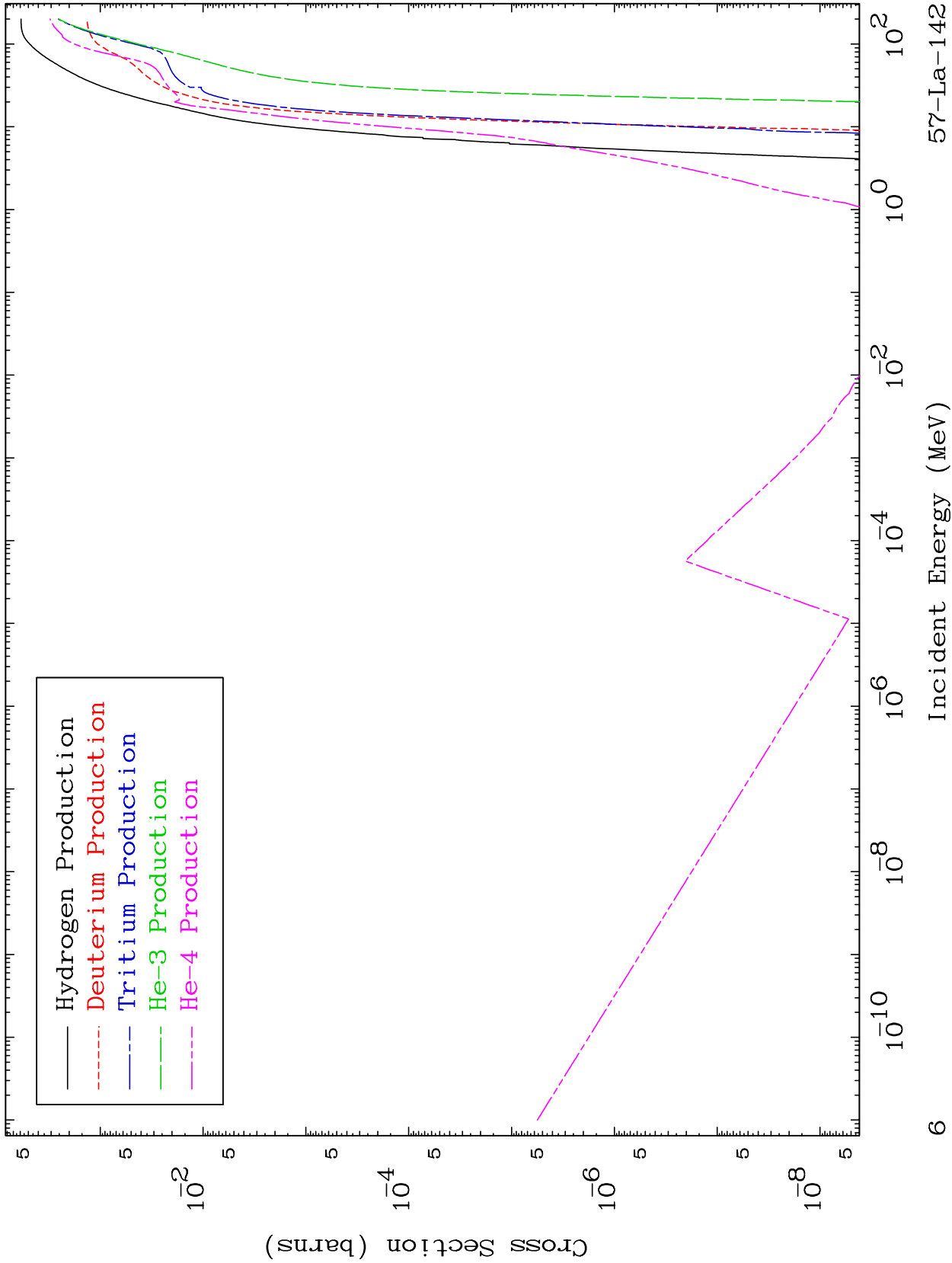
57-La-142



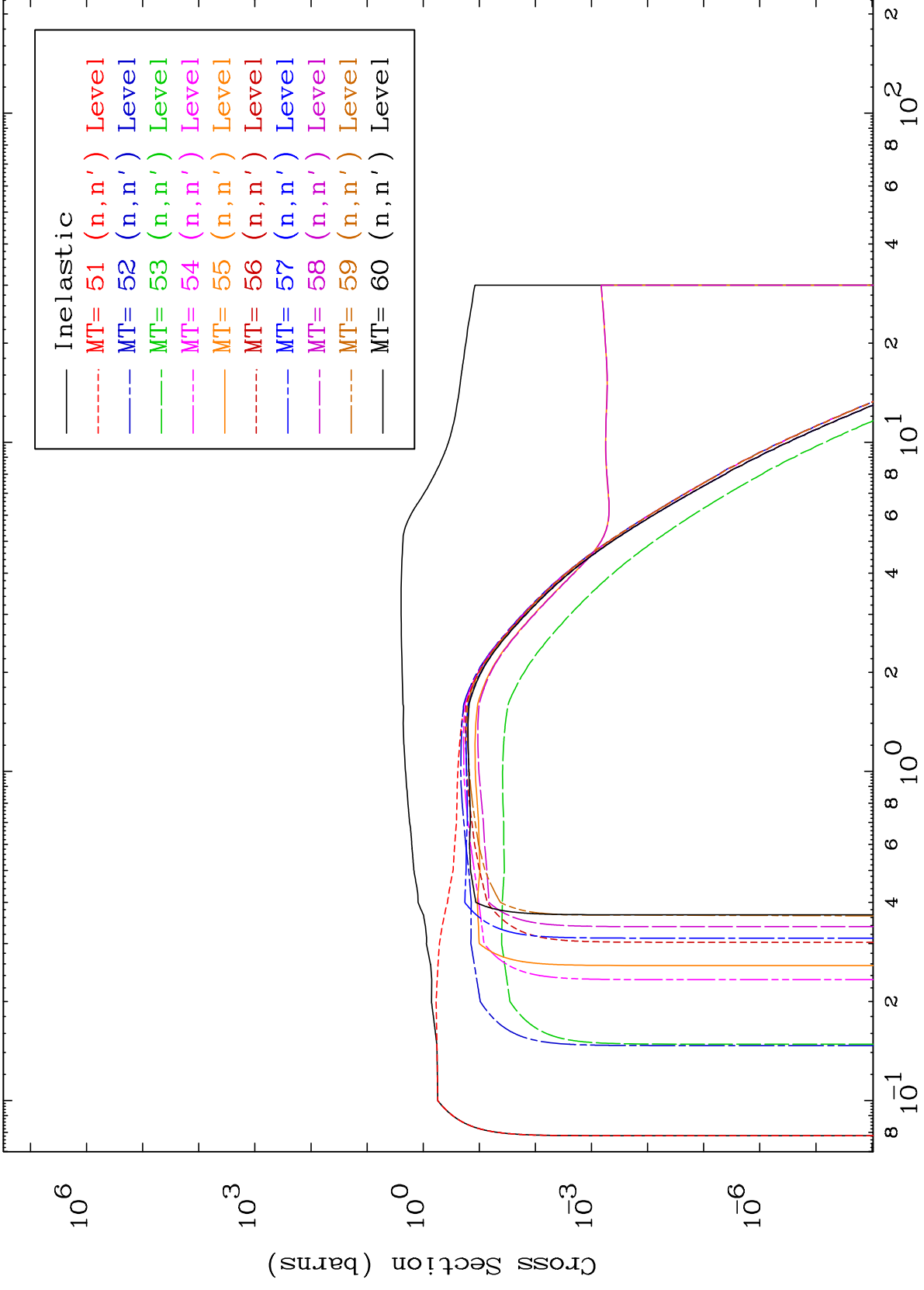
5

Incident Energy (MeV)

57-La-142



293 Kelvin Cross Sections



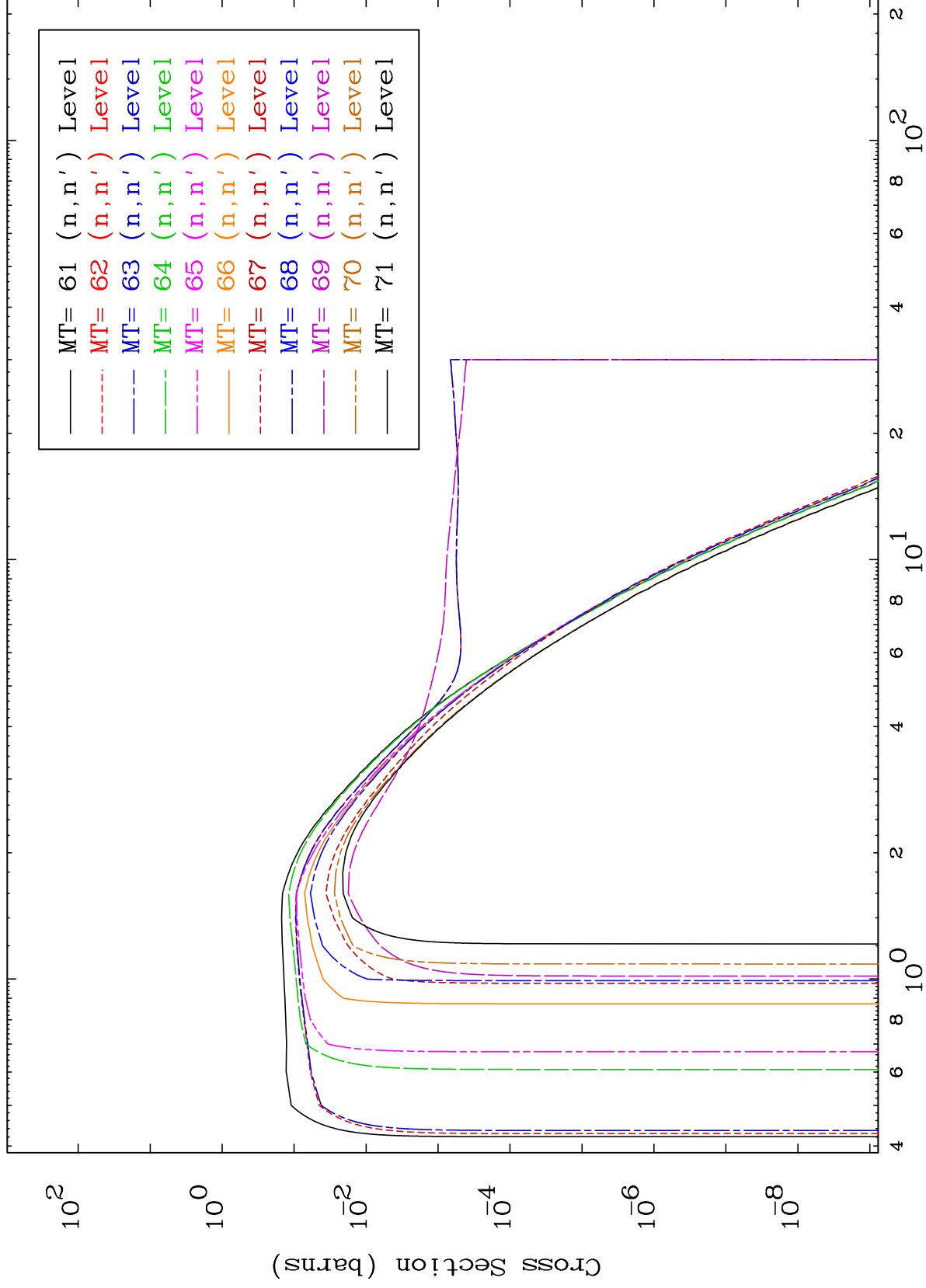


MAT 5737

(n,n') Level

293 Kelvin Cross Sections

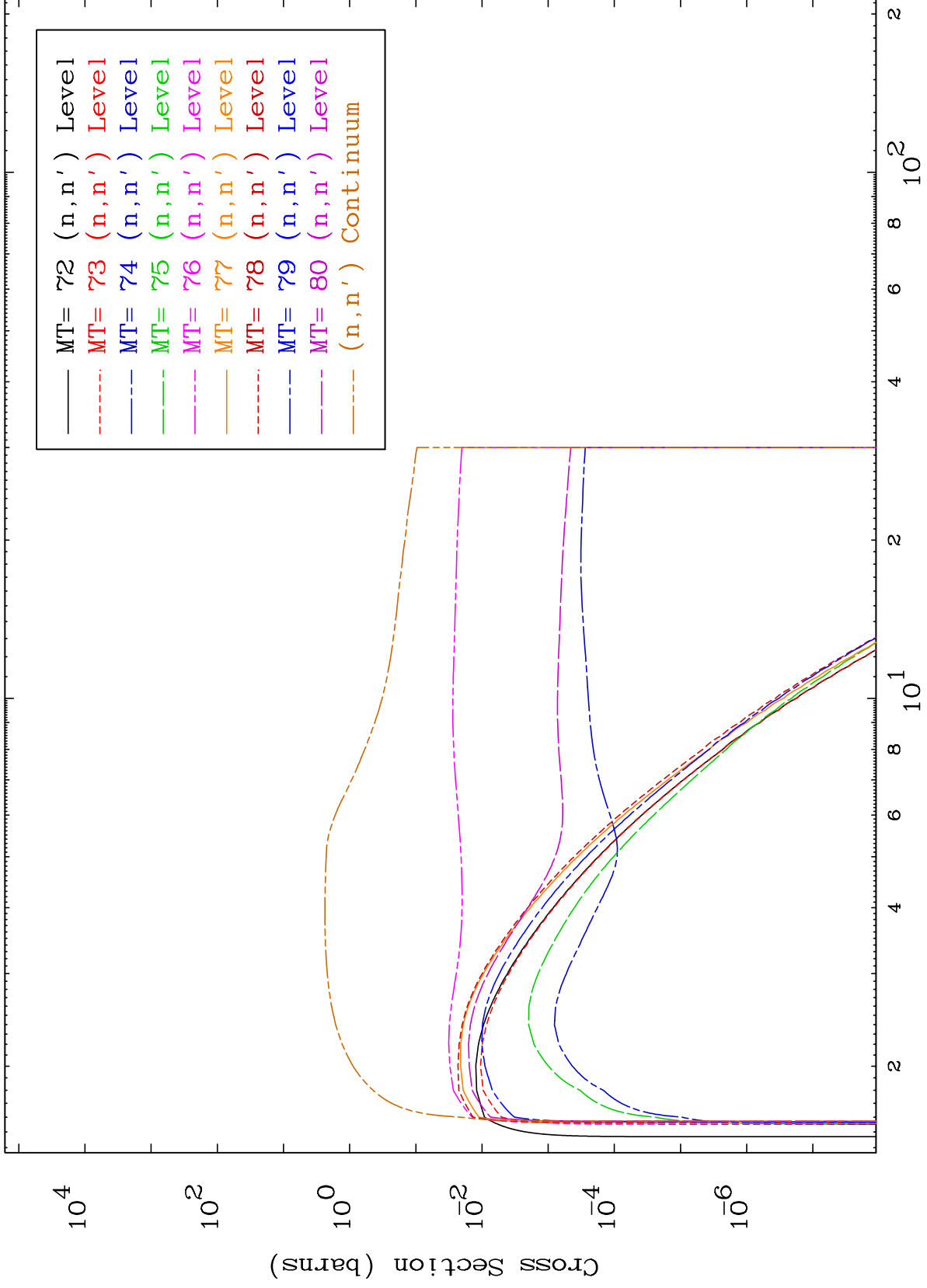
57-La-142



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Incident Energy (MeV)

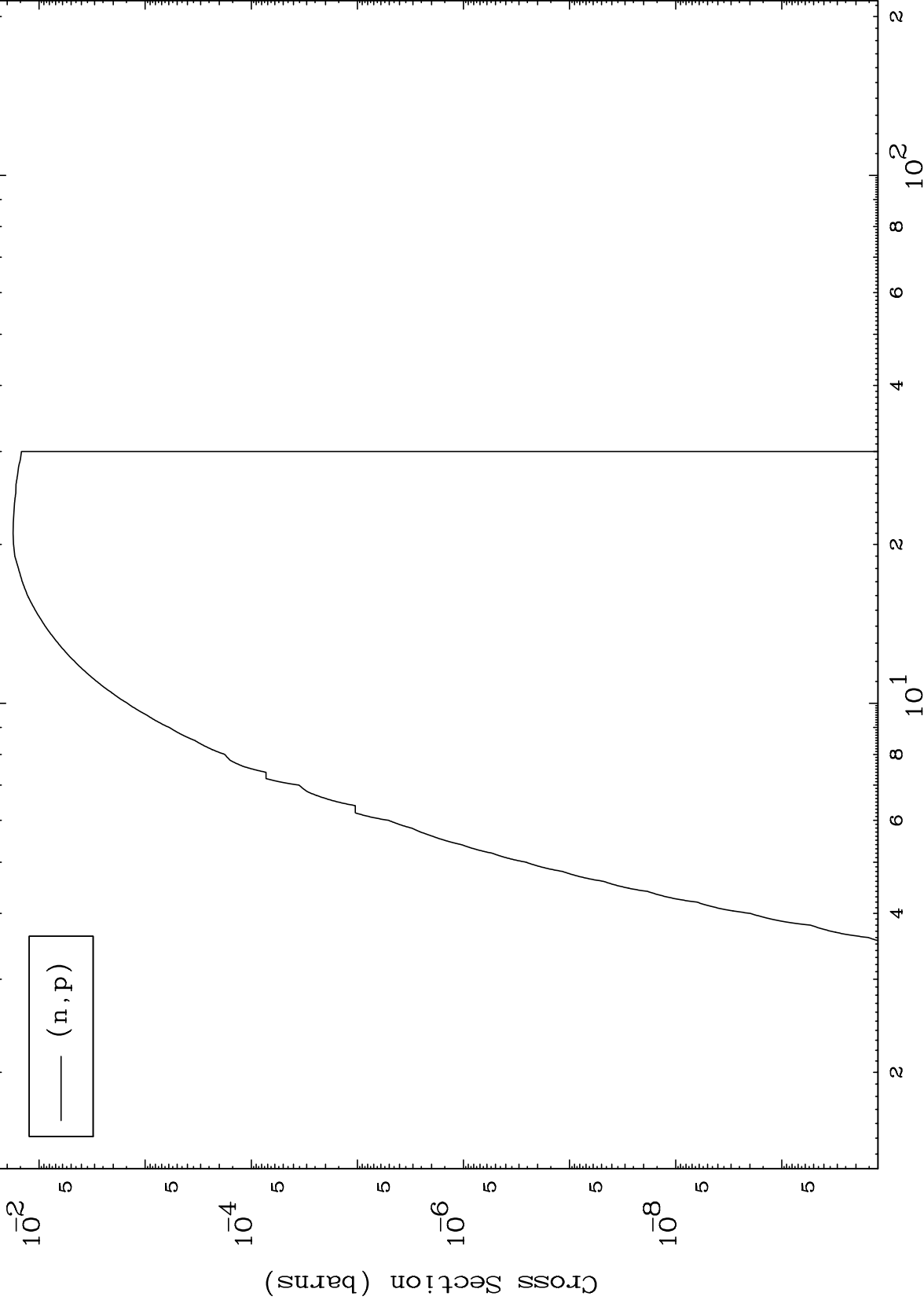
57-La-142



MAT 5737

(n,p) Levels  
293 Kelvin Cross Sections

57-La-142



10

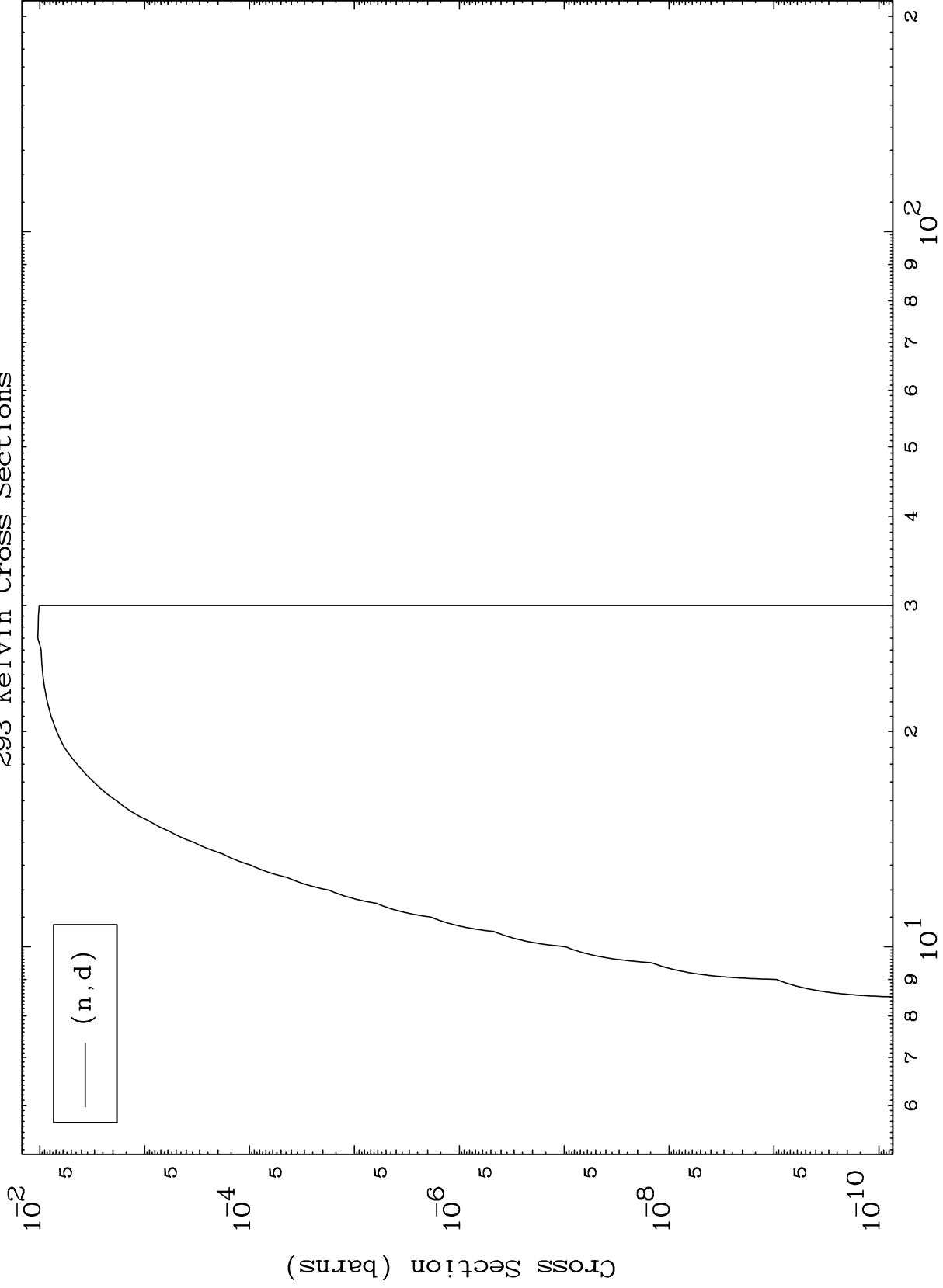
Incident Energy (MeV)

57-La-142

MAT 5737

(n,d) Levels  
293 Kelvin Cross Sections

57-La-142



(n,d)

11

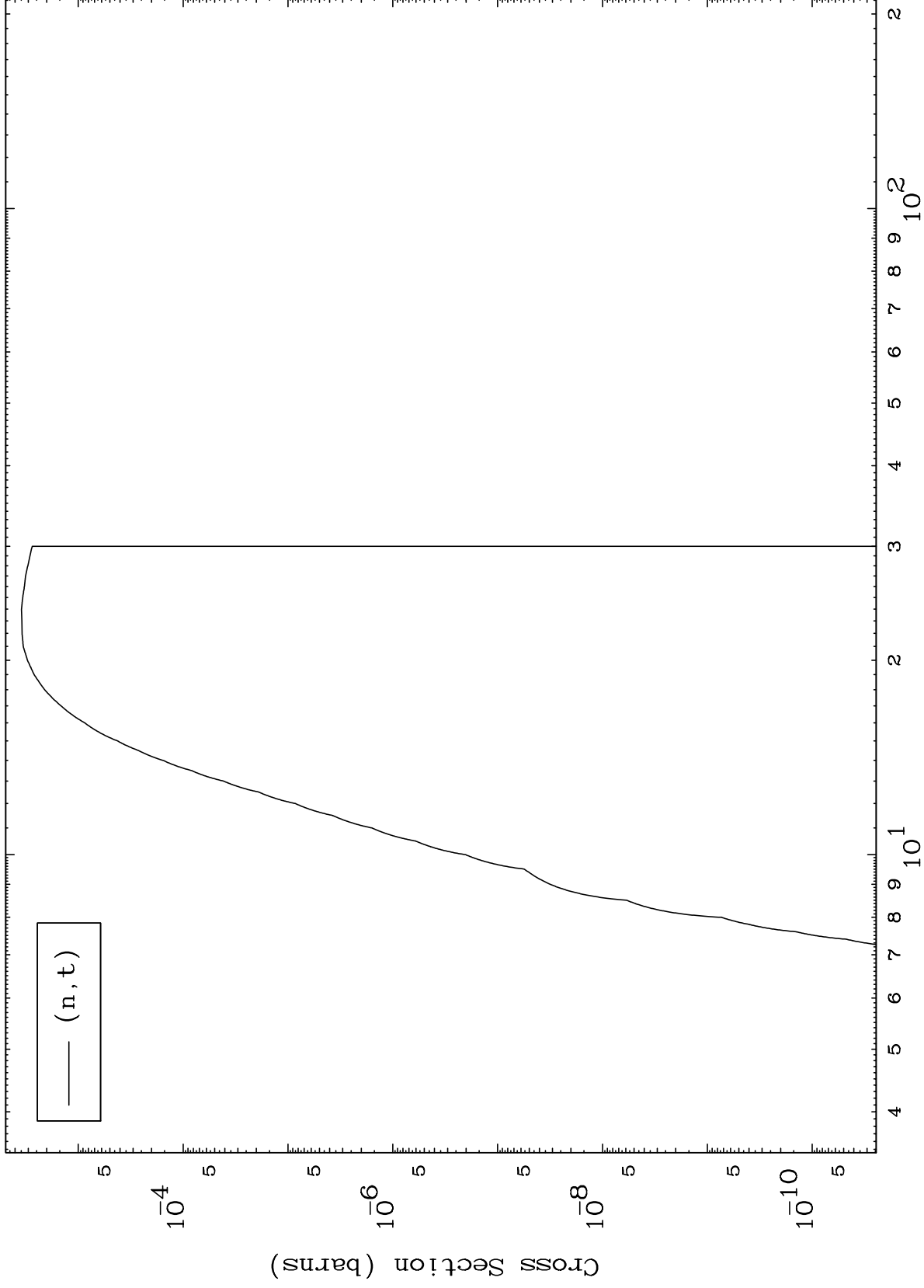
Incident Energy (MeV)

57-La-142

MAT 5737

(n,t) Levels  
293 Kelvin Cross Sections

57-La-142



12

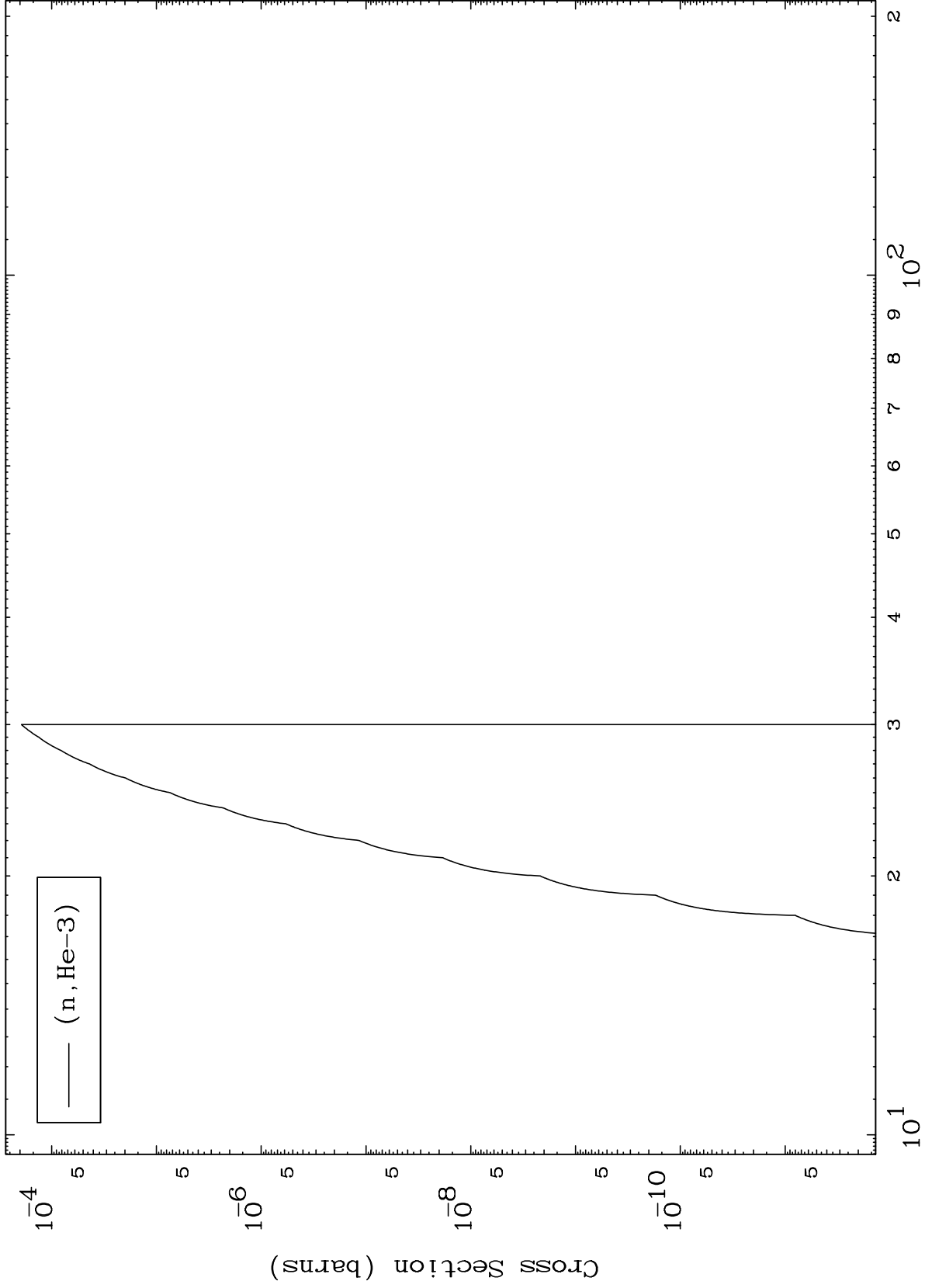
Incident Energy (MeV)

57-La-142

MAT 5737

(n,He3) Levels  
293 Kelvin Cross Sections

57-La-142



13

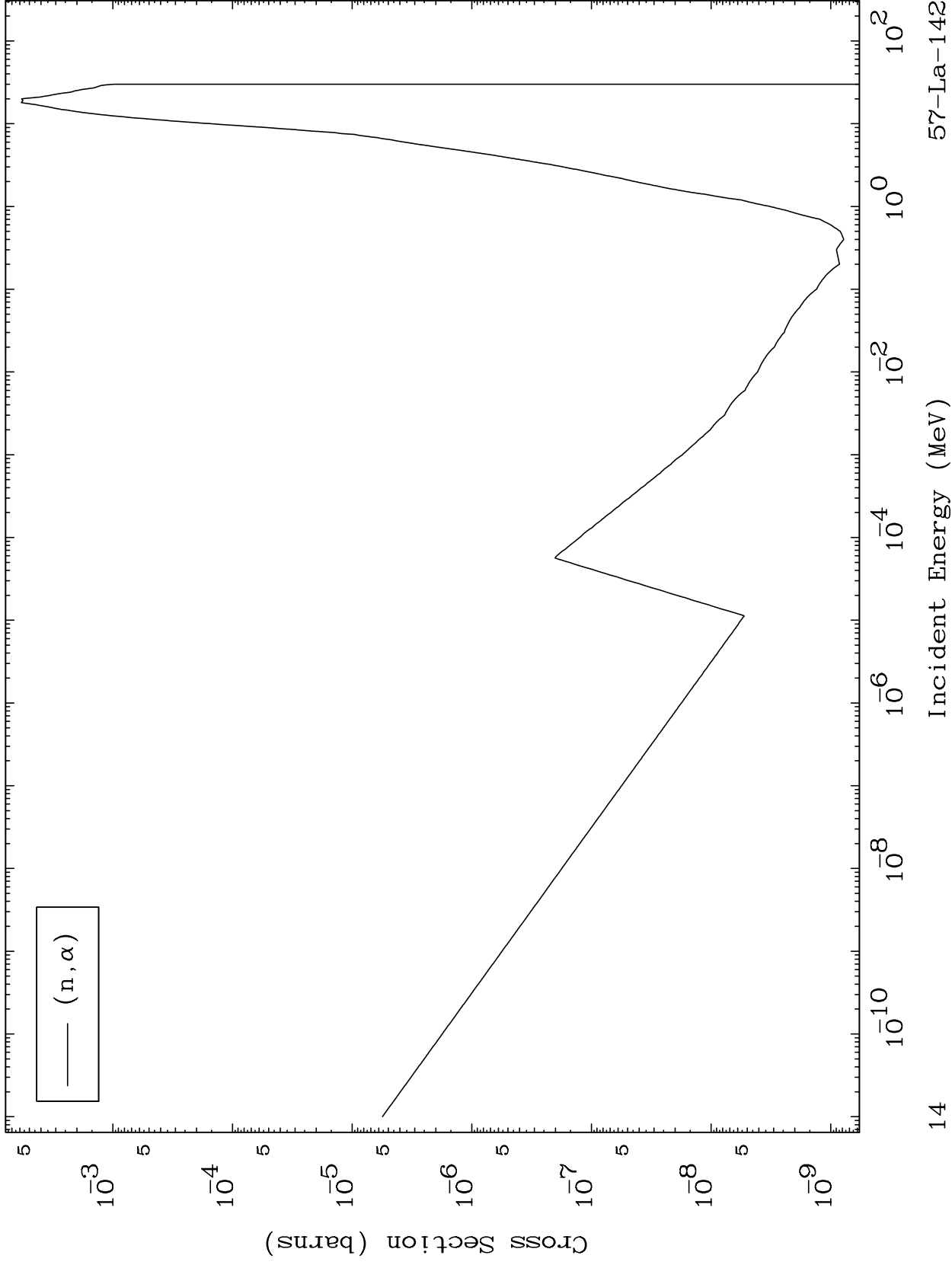
Incident Energy (MeV)

57-La-142

MAT 5737

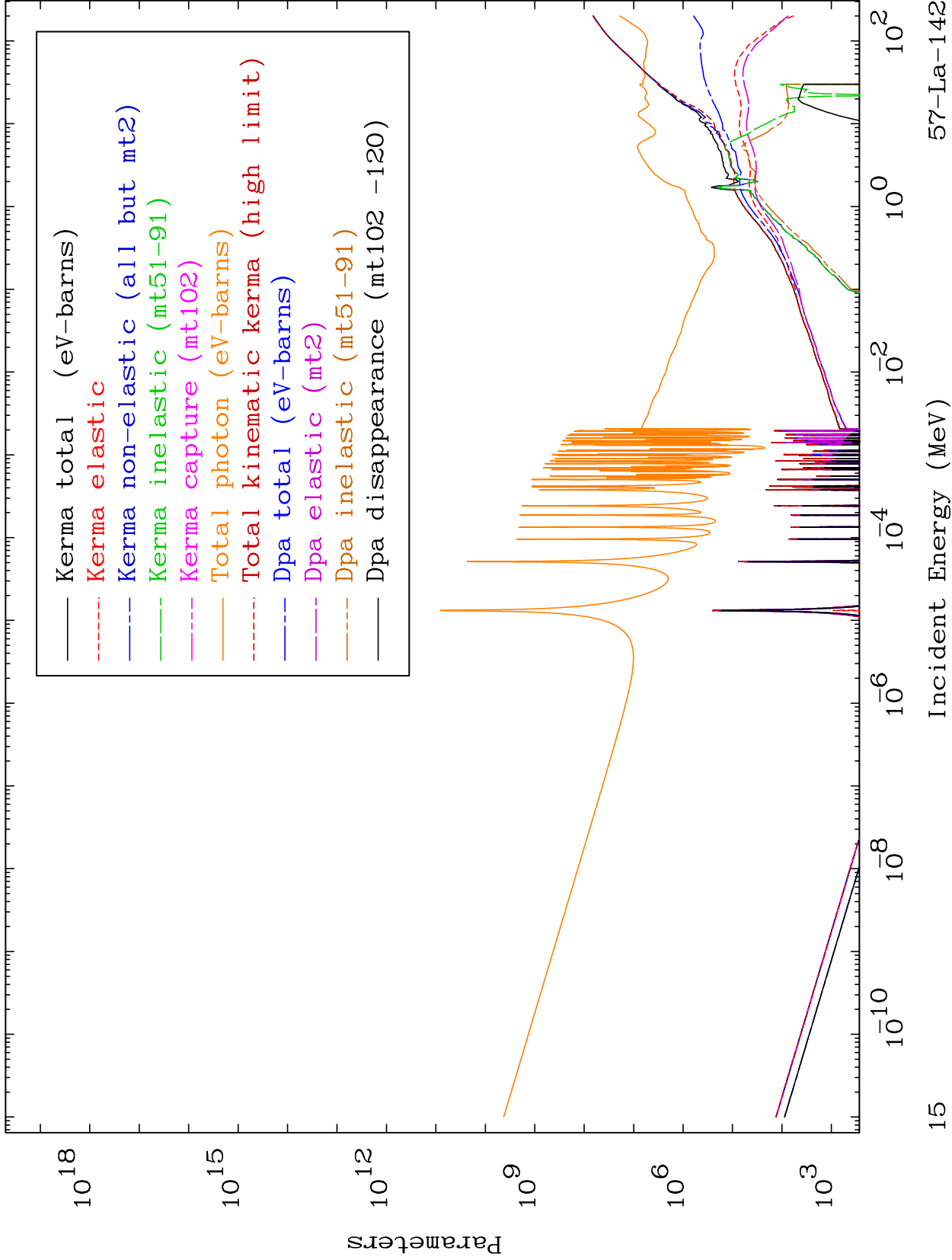
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

57-La-142



14

57-La-142

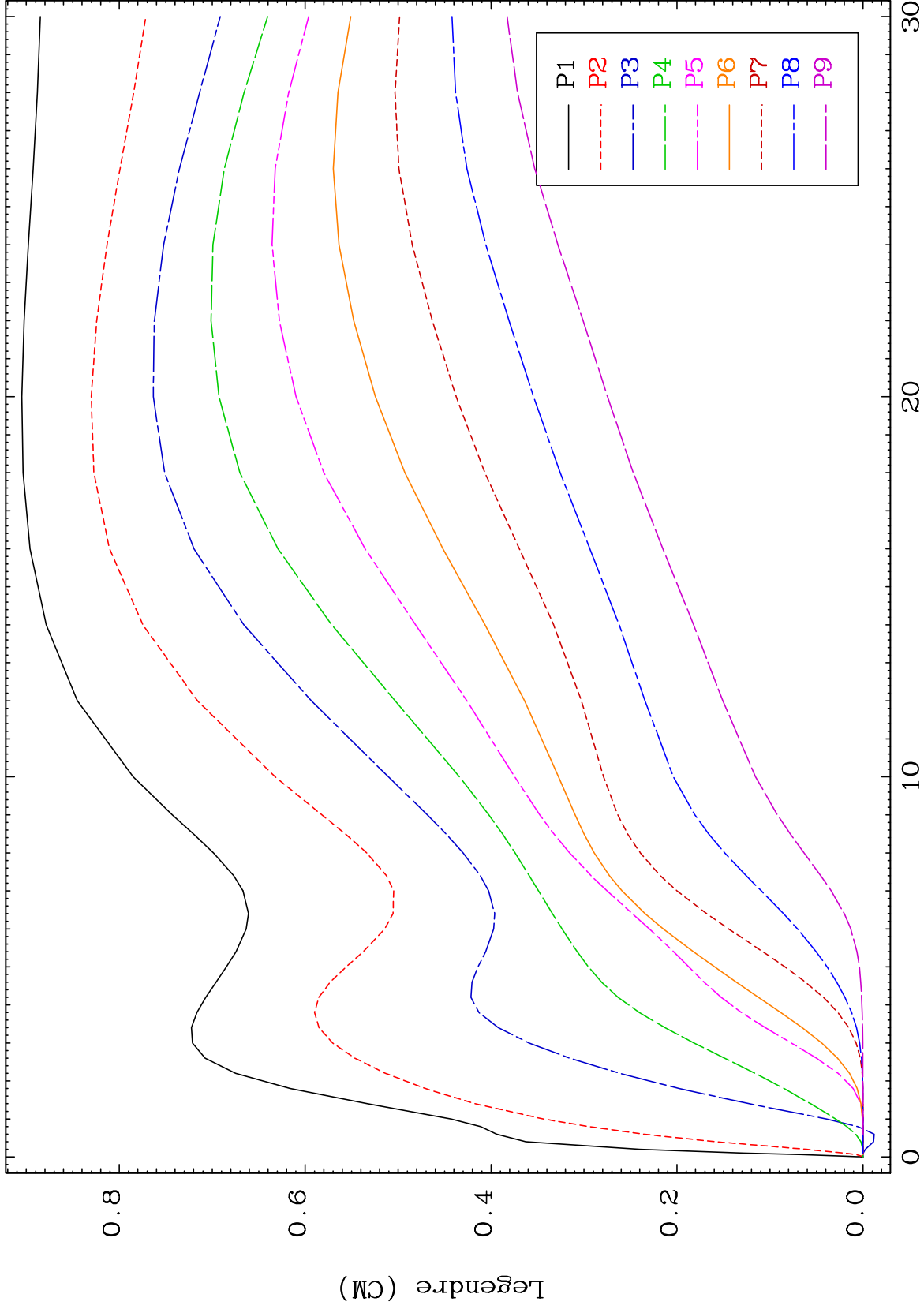




MAT 5737

Elastic Legendre Coefficients

57-La-142



16

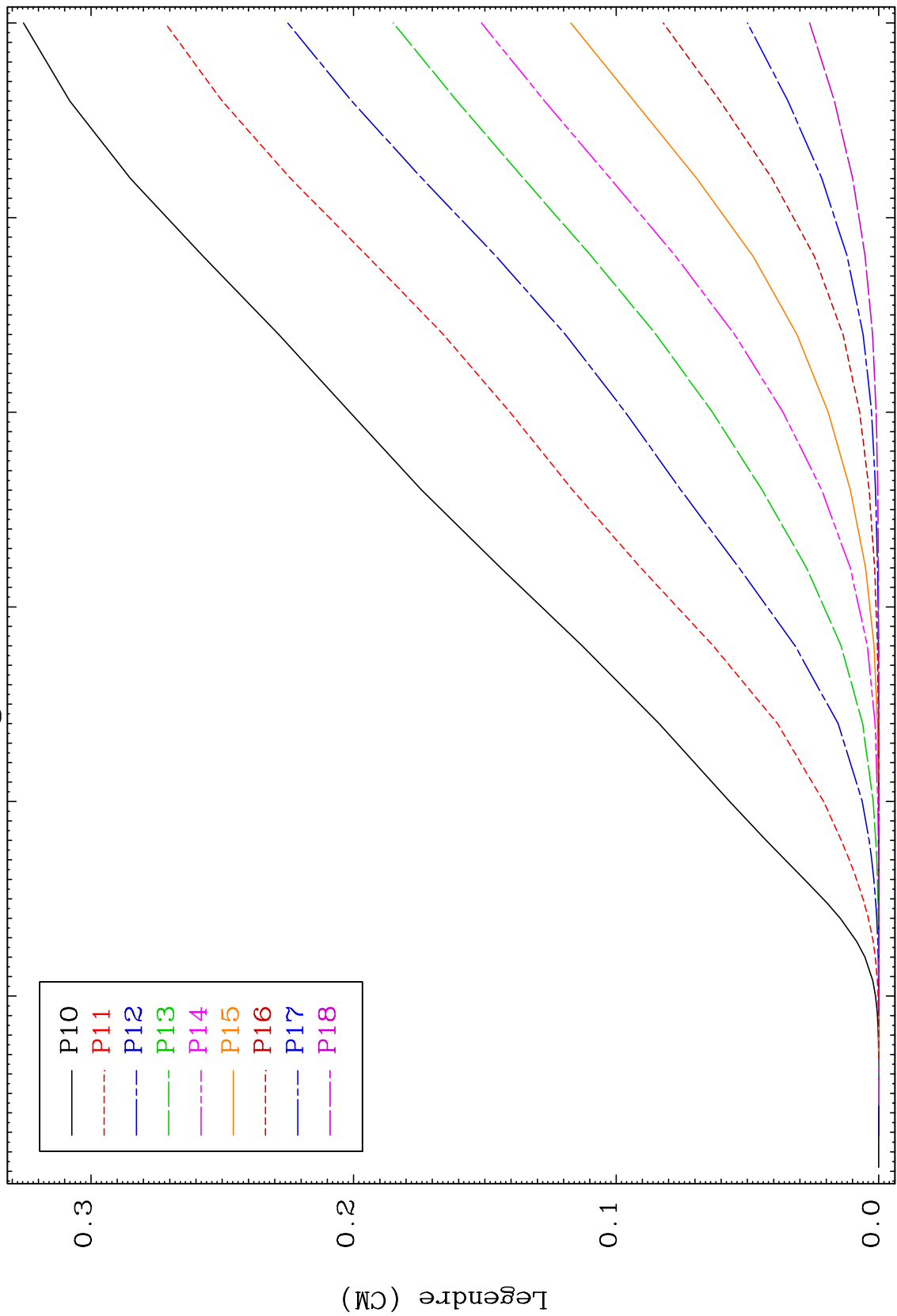
Incident Energy (MeV)

57-La-142

MAT 5737

Elastic Legendre Coefficients

57-La-142



17

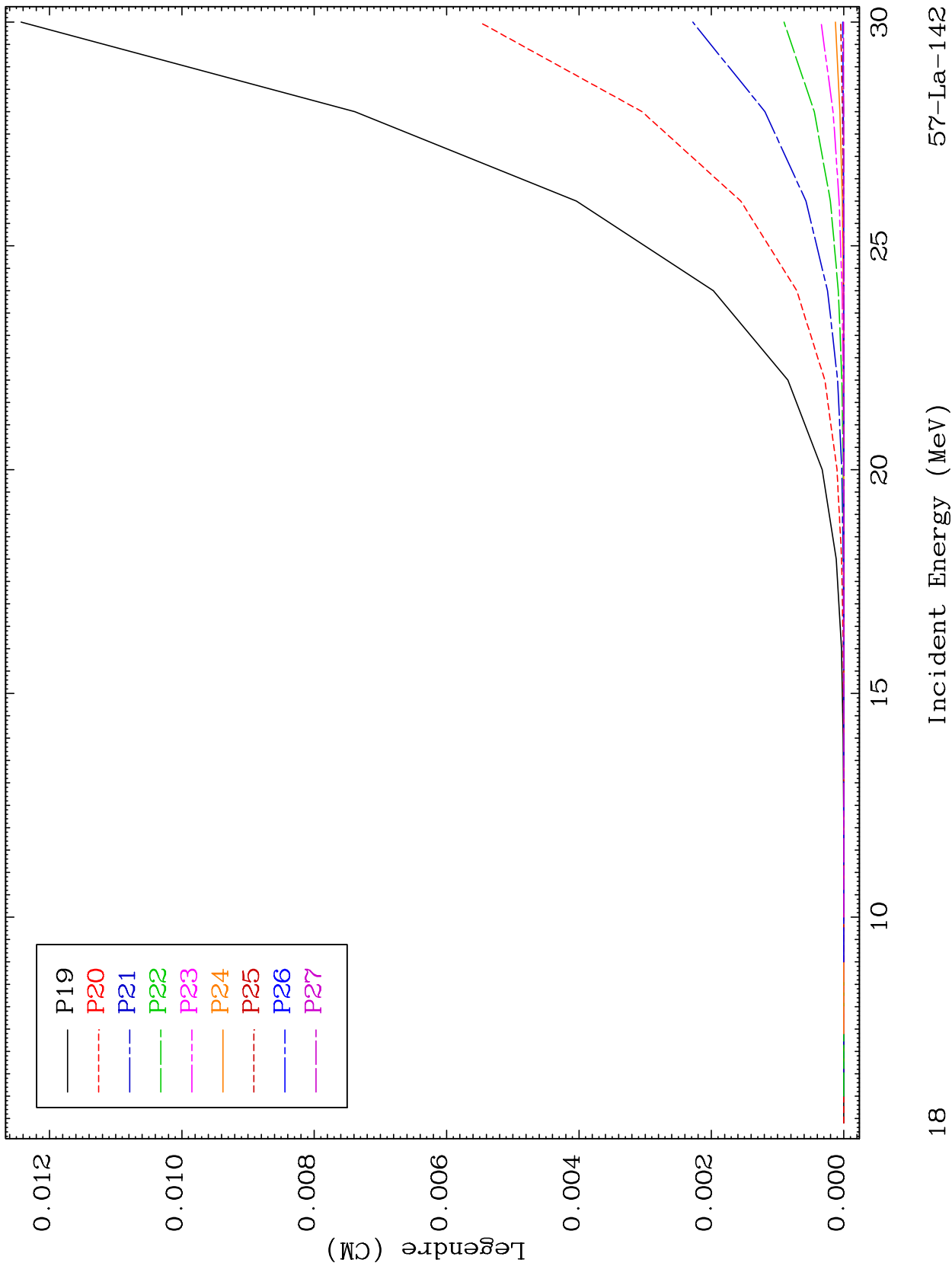
57-La-142

Incident Energy (MeV)

MAT 5737

### Elastic Legendre Coefficients

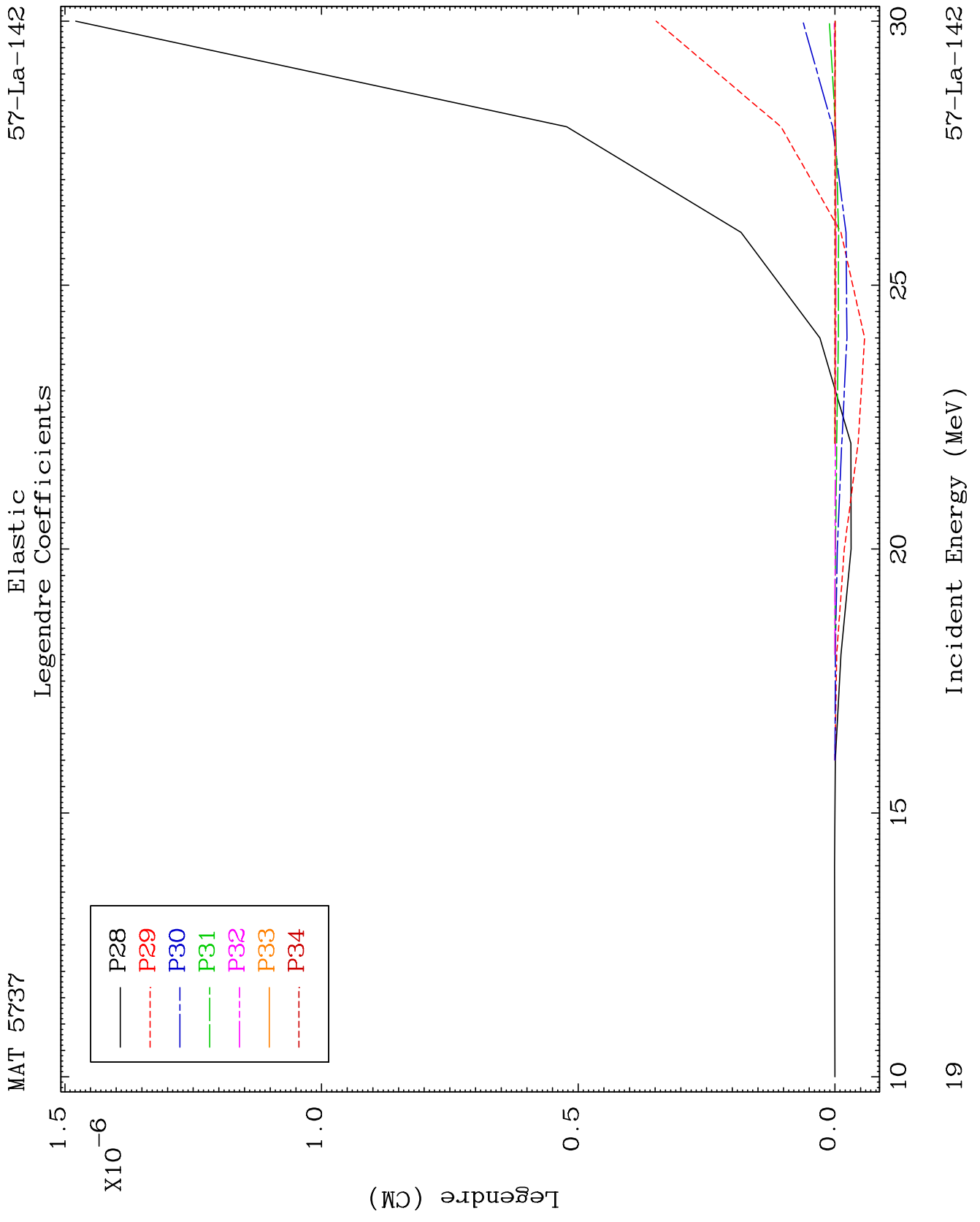
57-La-142



18

Incident Energy (MeV)

57-La-142

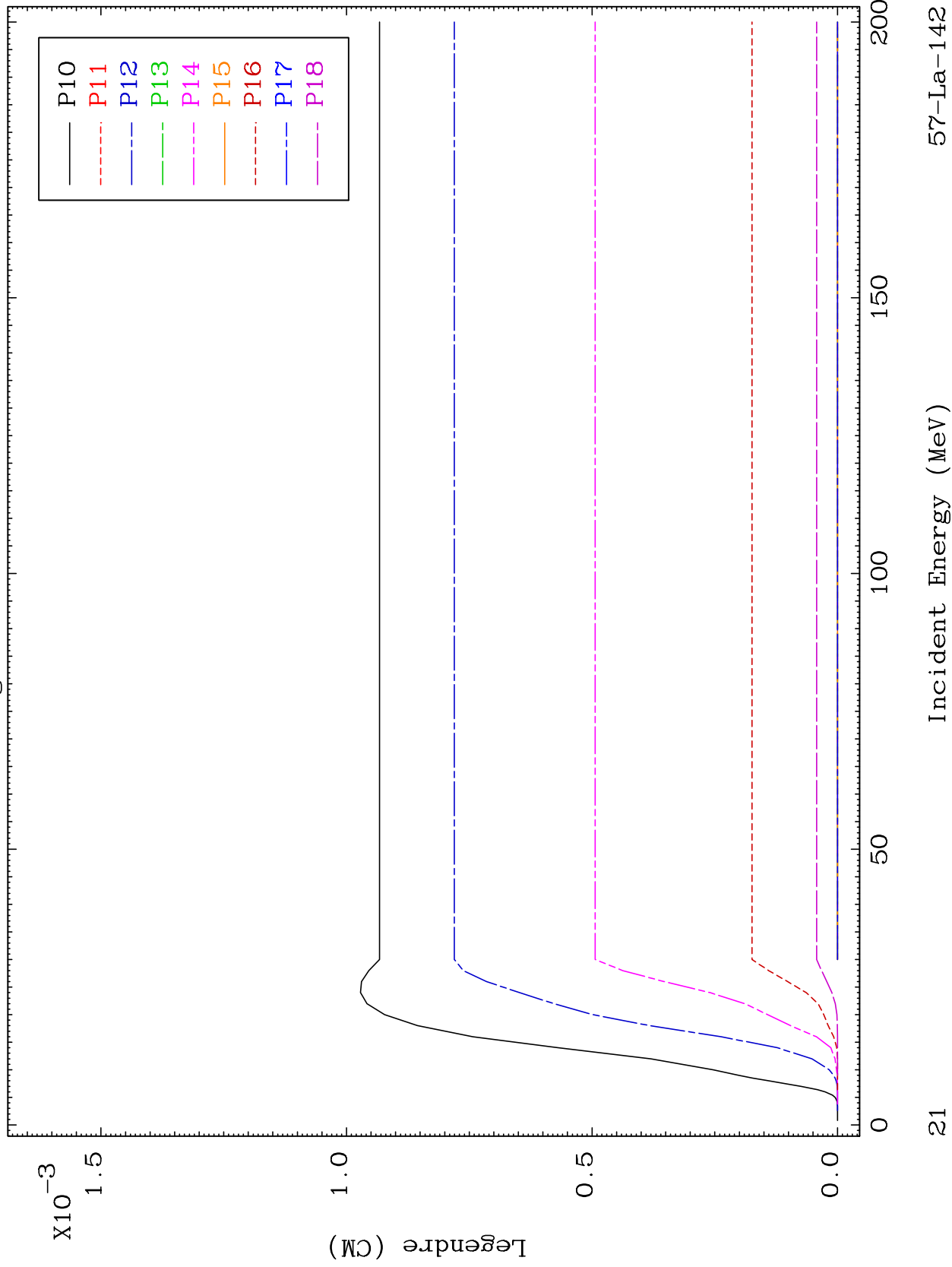


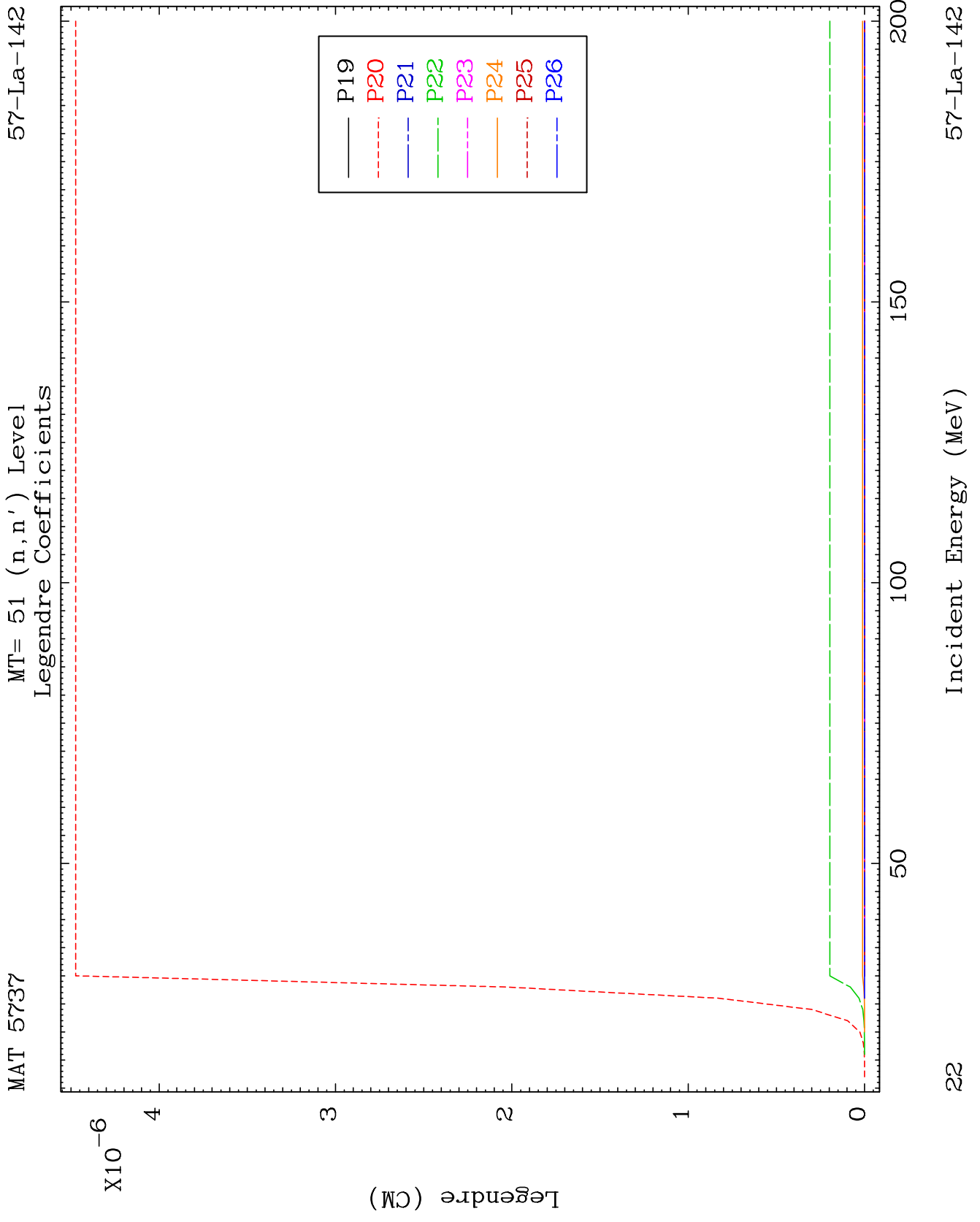


MAT 5737

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

57-La-142

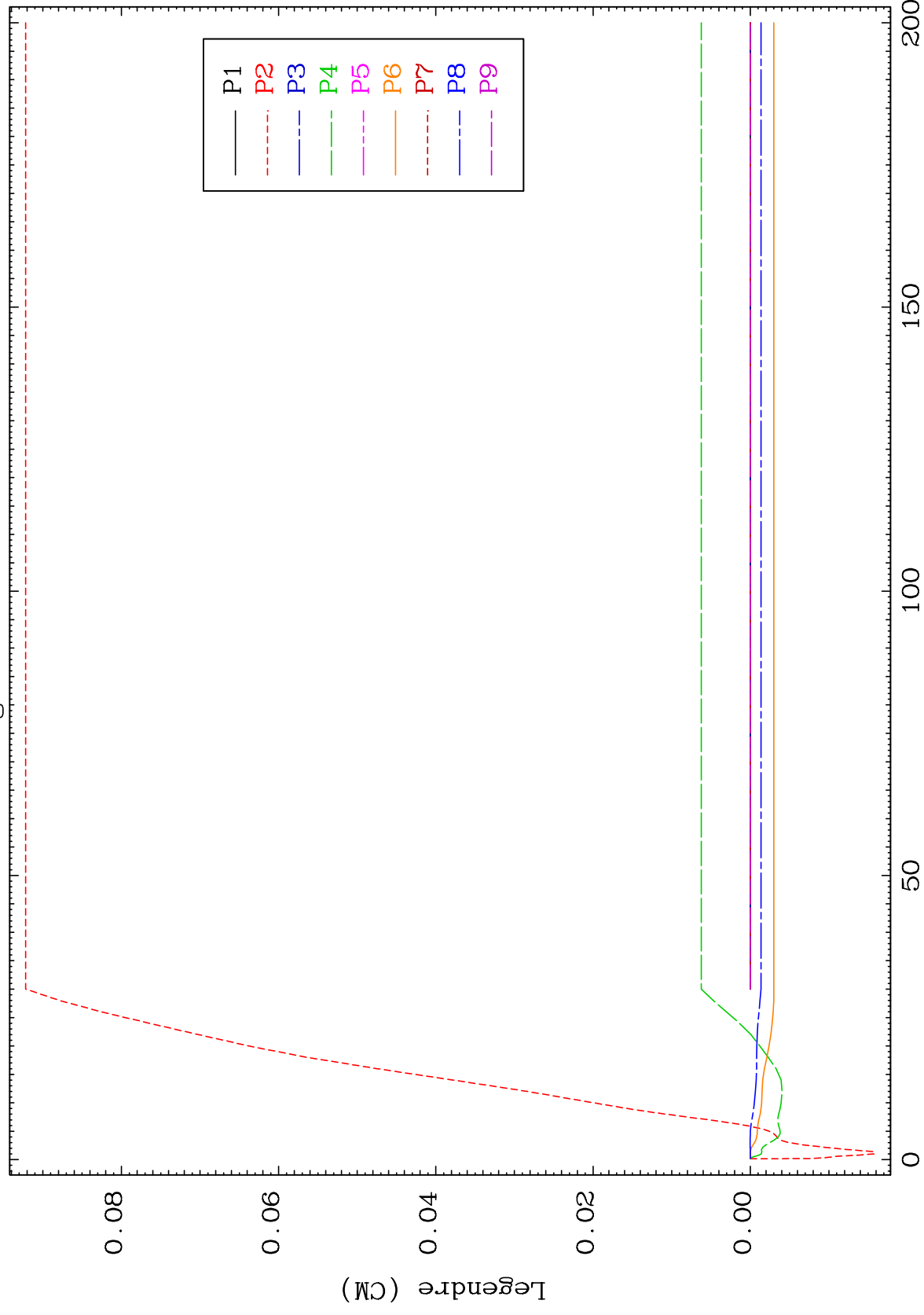




MAT 5737

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

57-La-142



23

Incident Energy (MeV)

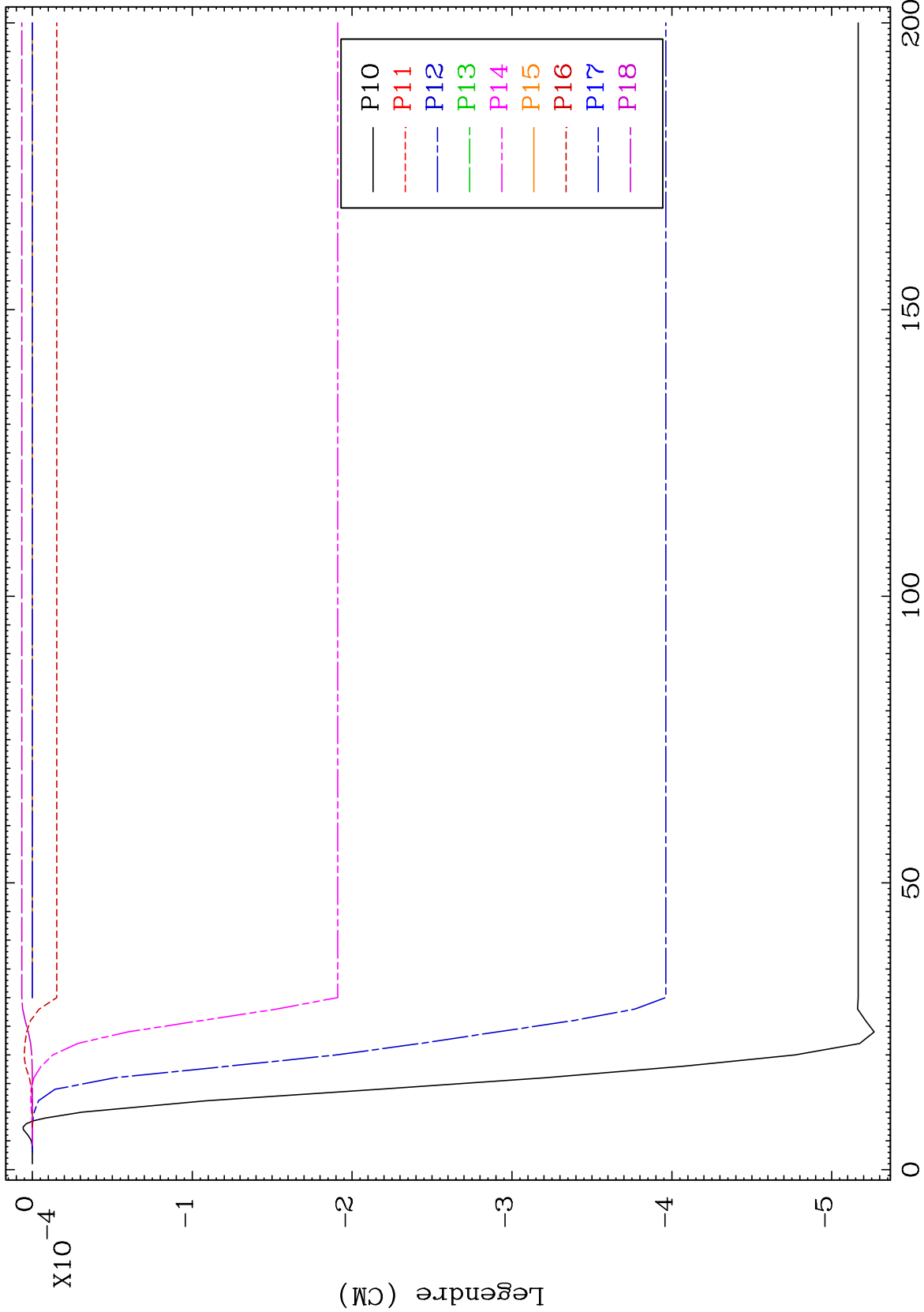
57-La-142



MAT 5737

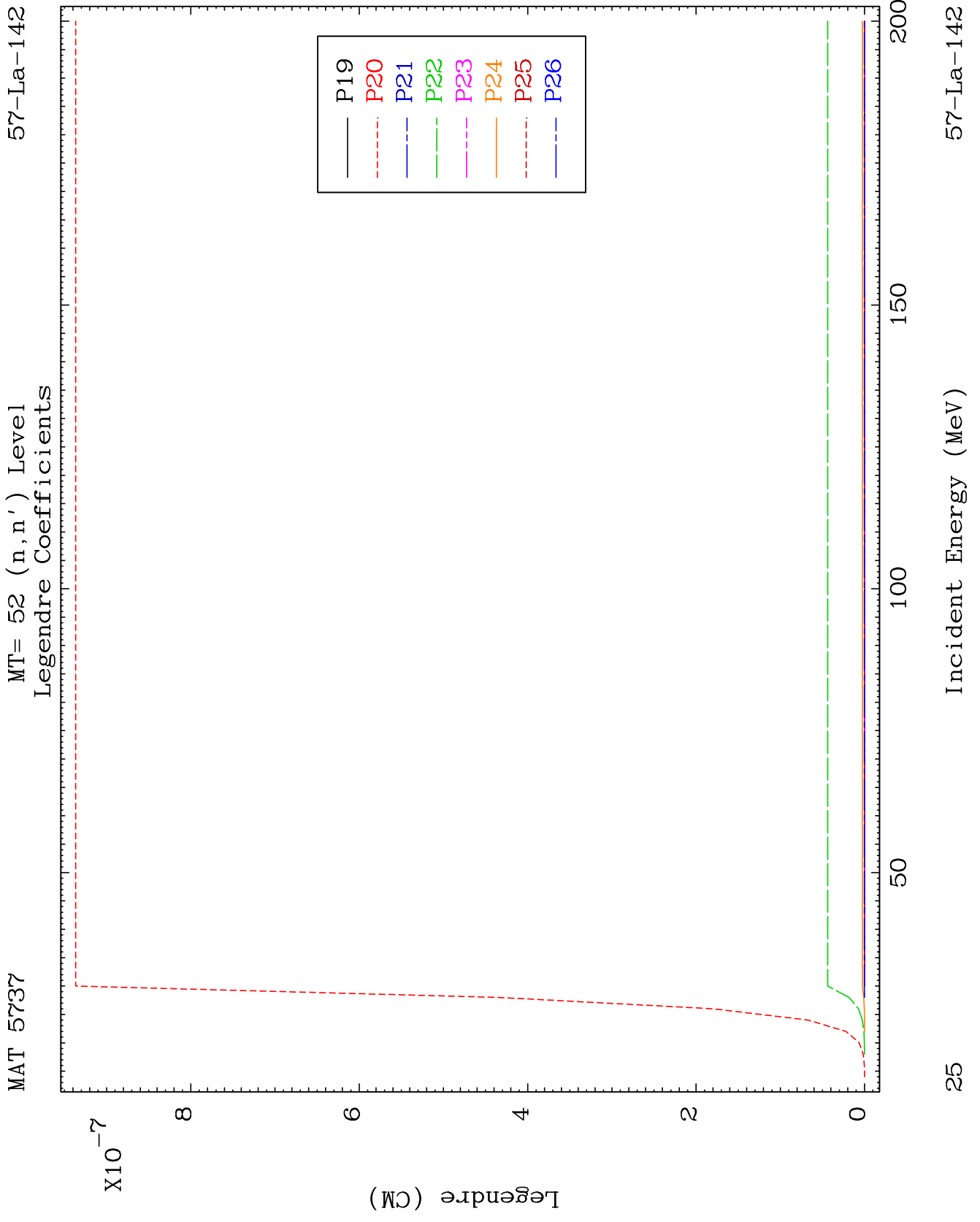
MT= 52 (n,n') Level  
Legendre Coefficients

57-La-142



24

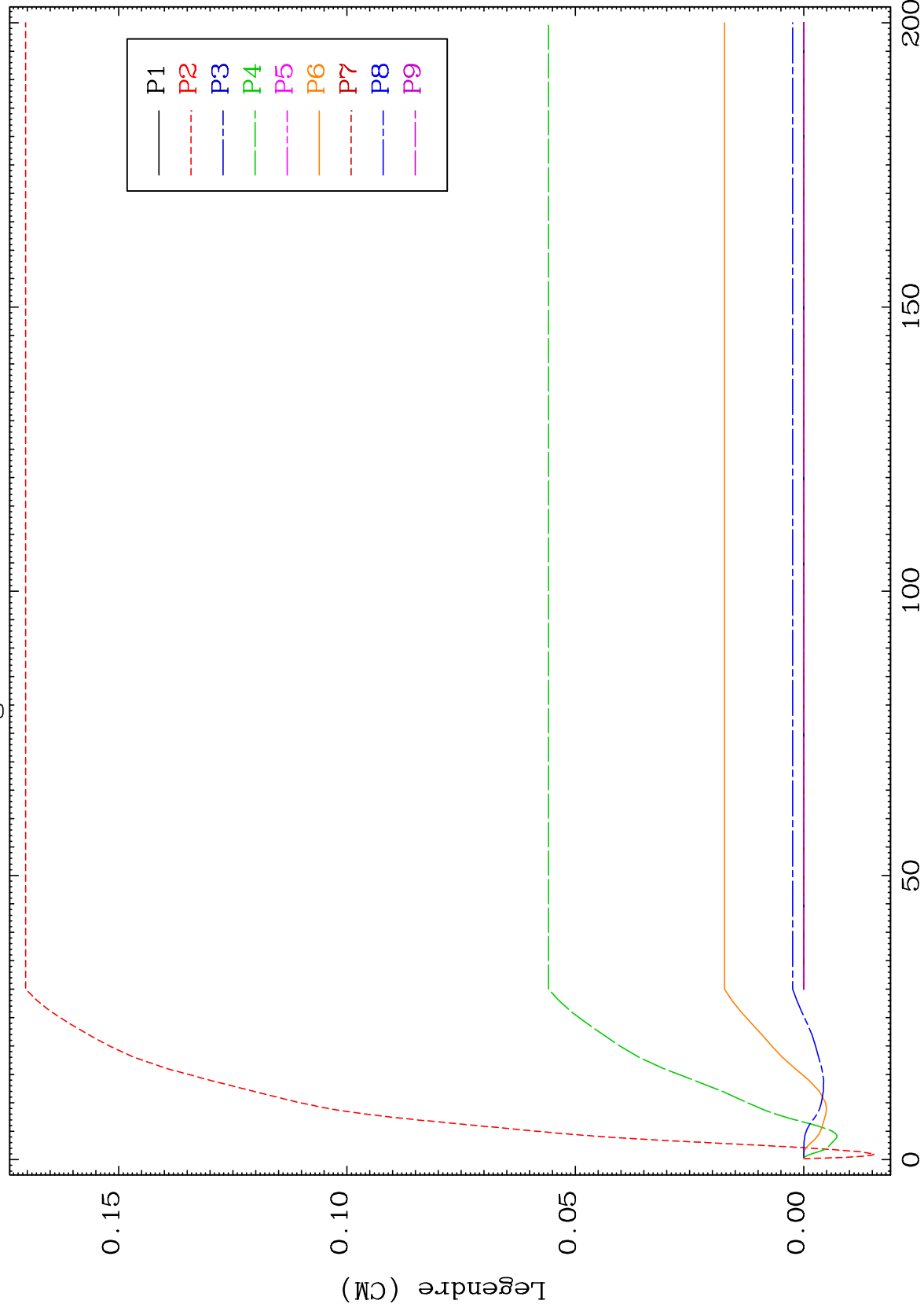
57-La-142



MAT 5737

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

57-La-142



26

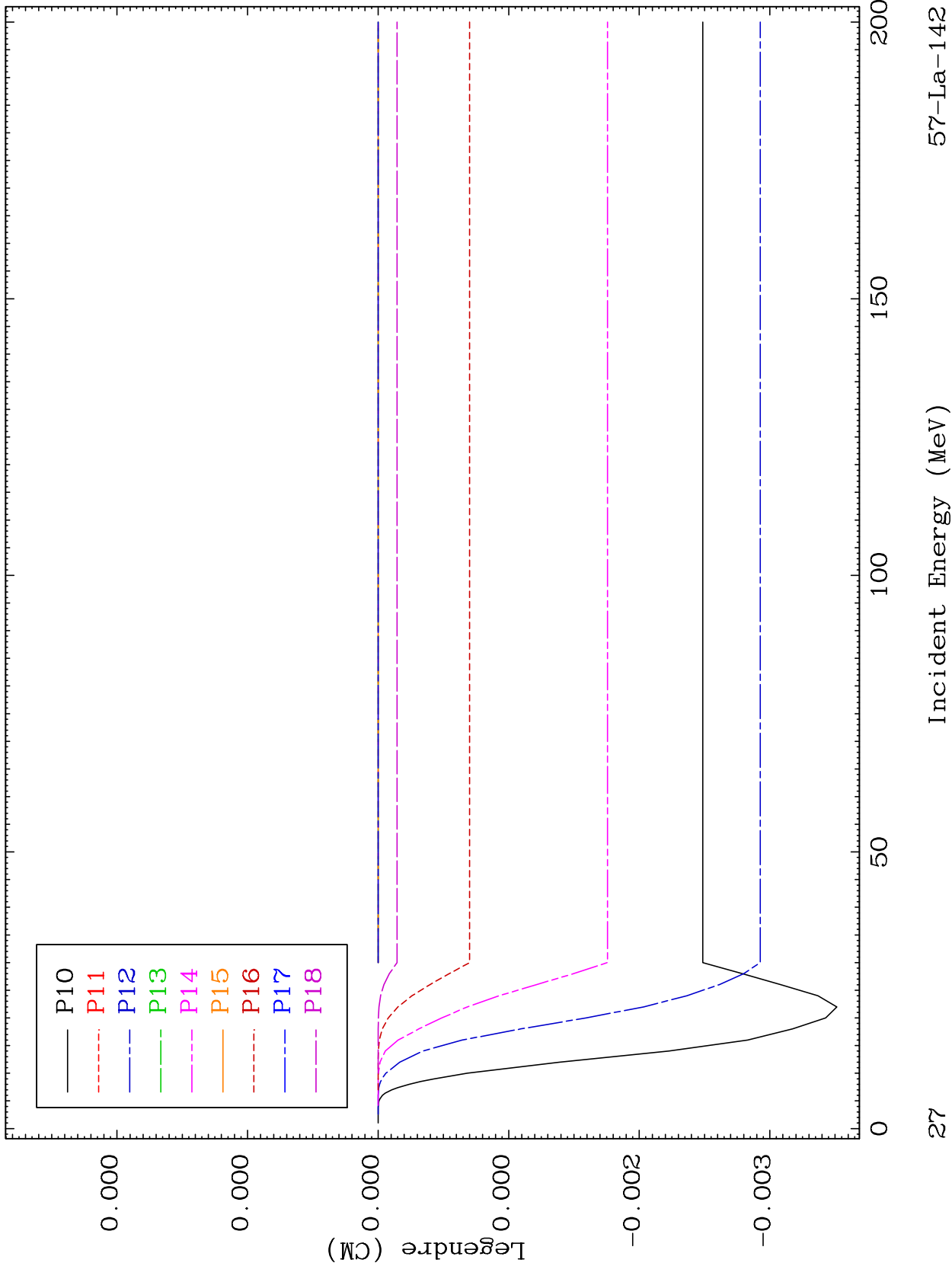
Incident Energy (MeV)

57-La-142

MAT 5737

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

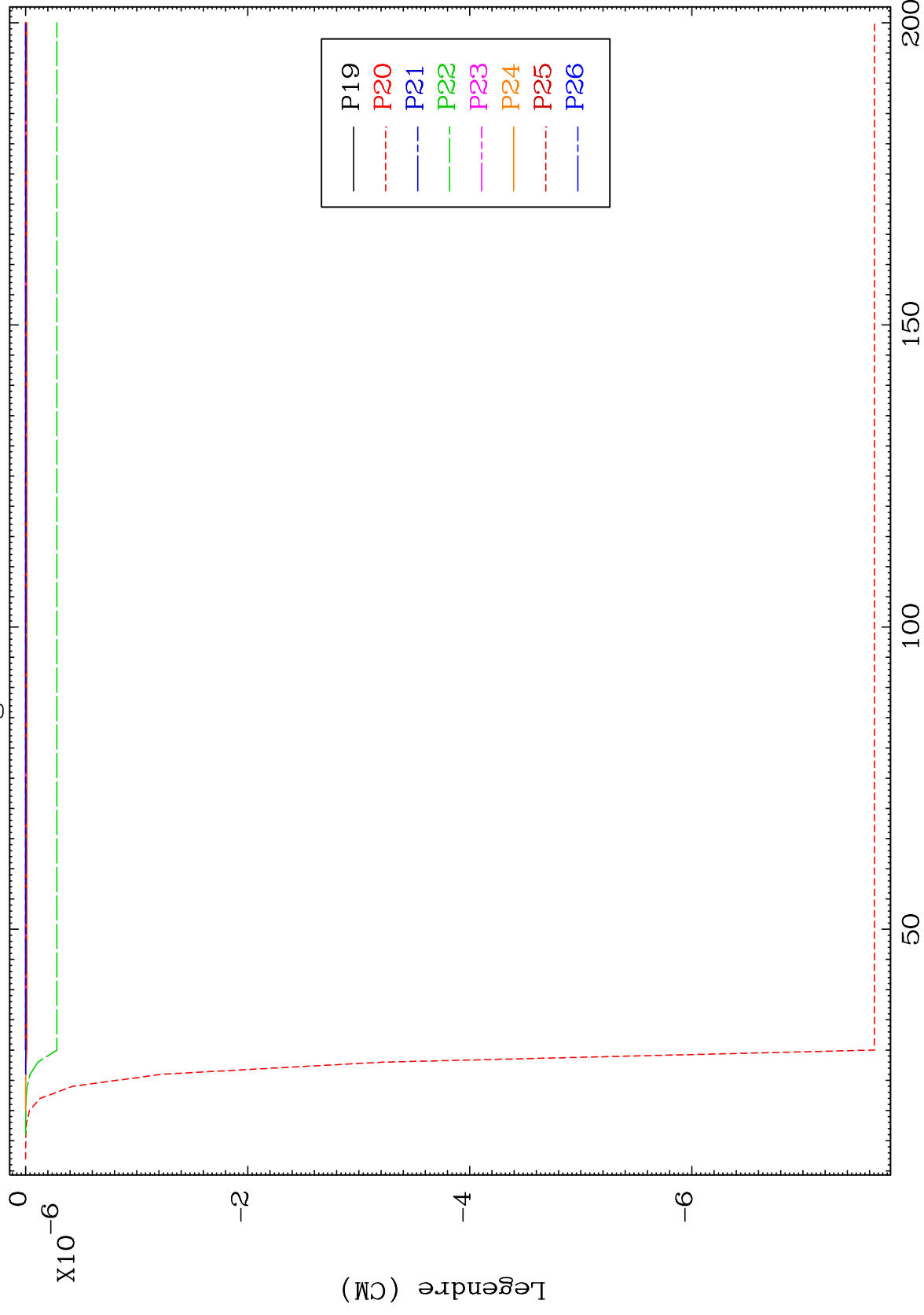
57-La-142



MAT 5737

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

57-La-142



28

Incident Energy (MeV)

57-La-142

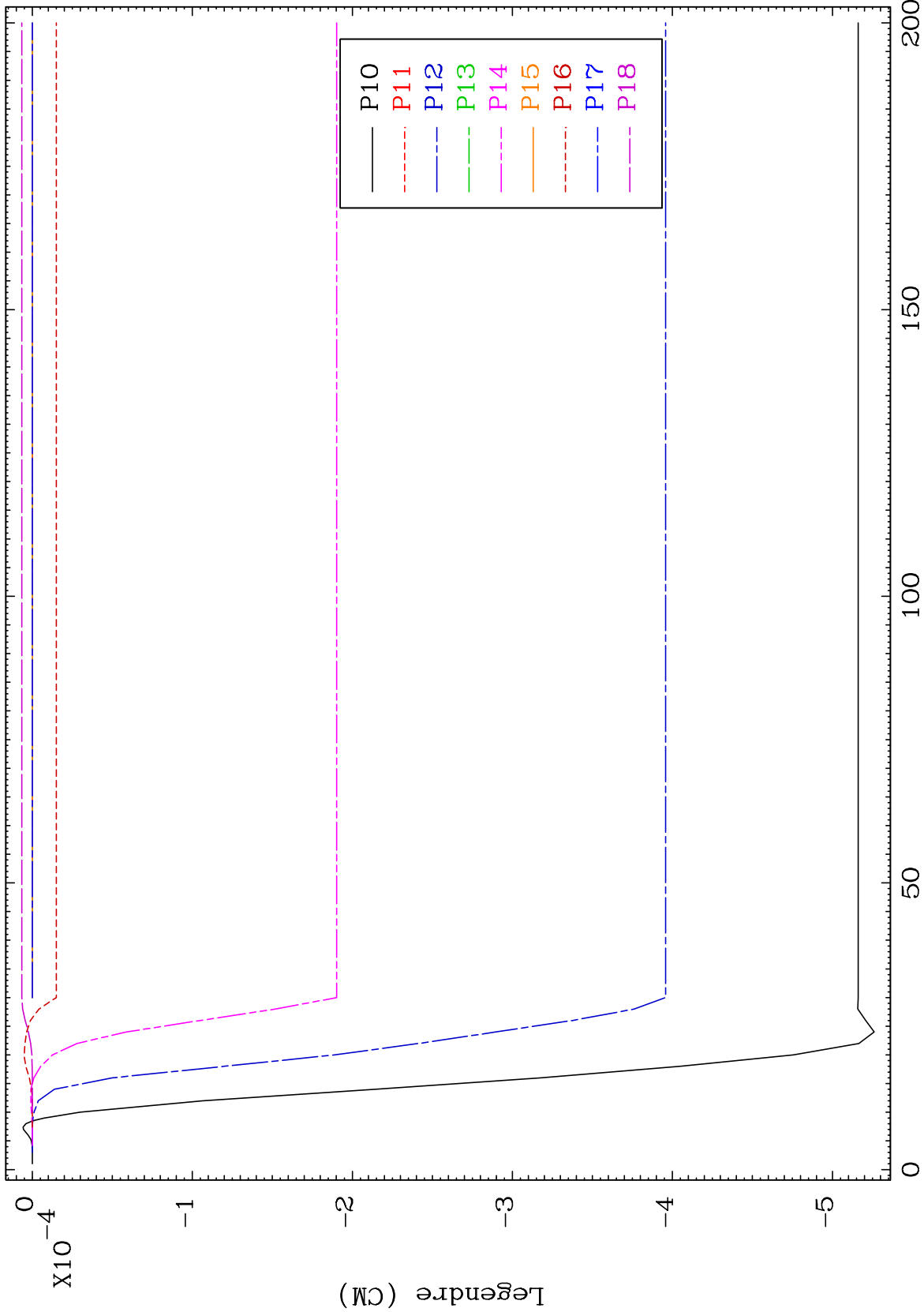


MAT 5737

MT= 54 (n,n') Level

57-La-142

Legendre Coefficients



0

30

50

100

150

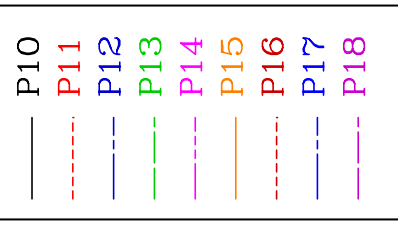
200

Incident Energy (MeV)

57-La-142

Legendre (CM)

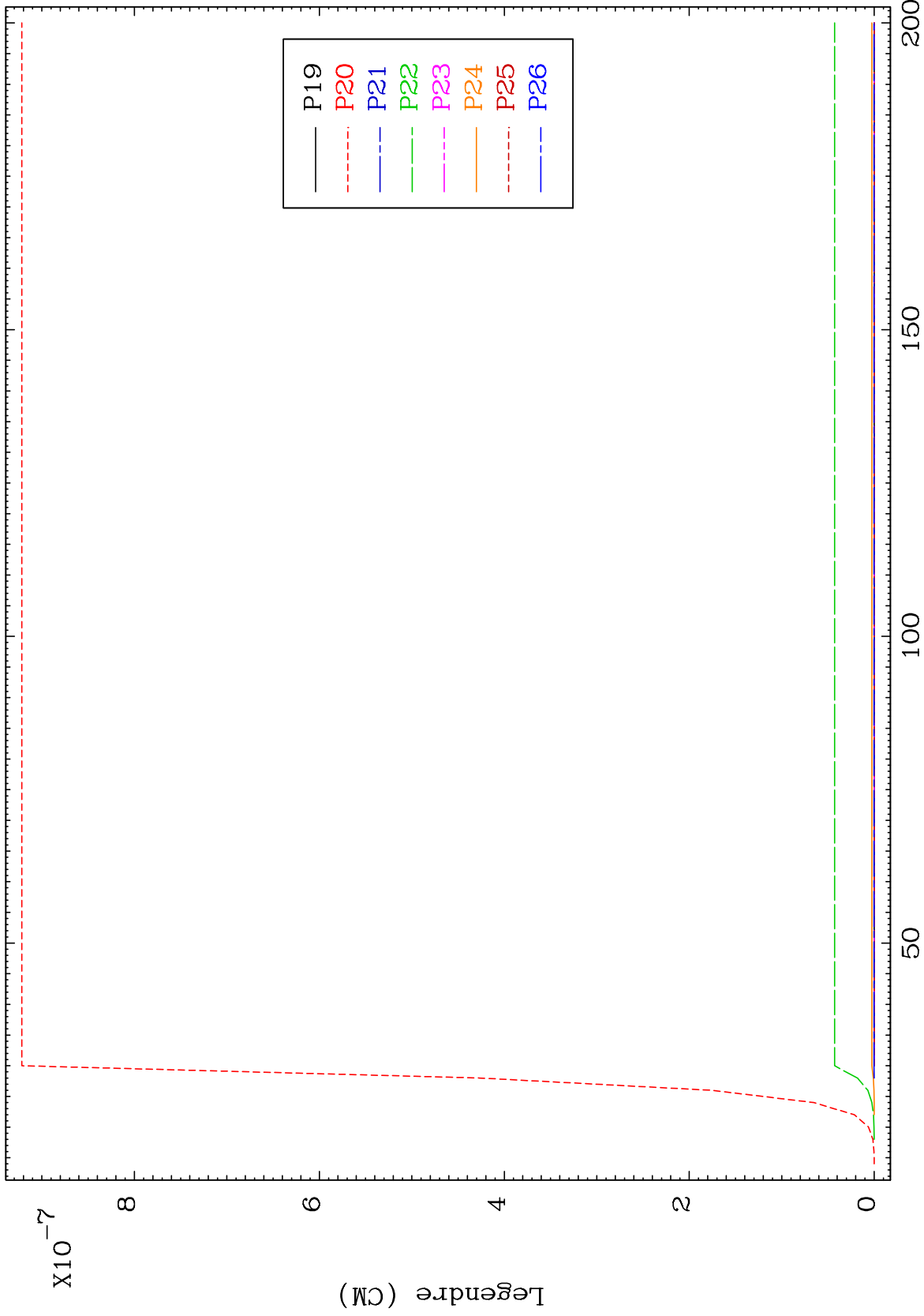
$10^{-4}$



MAT 5737

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

57-La-142



31

Incident Energy (MeV)

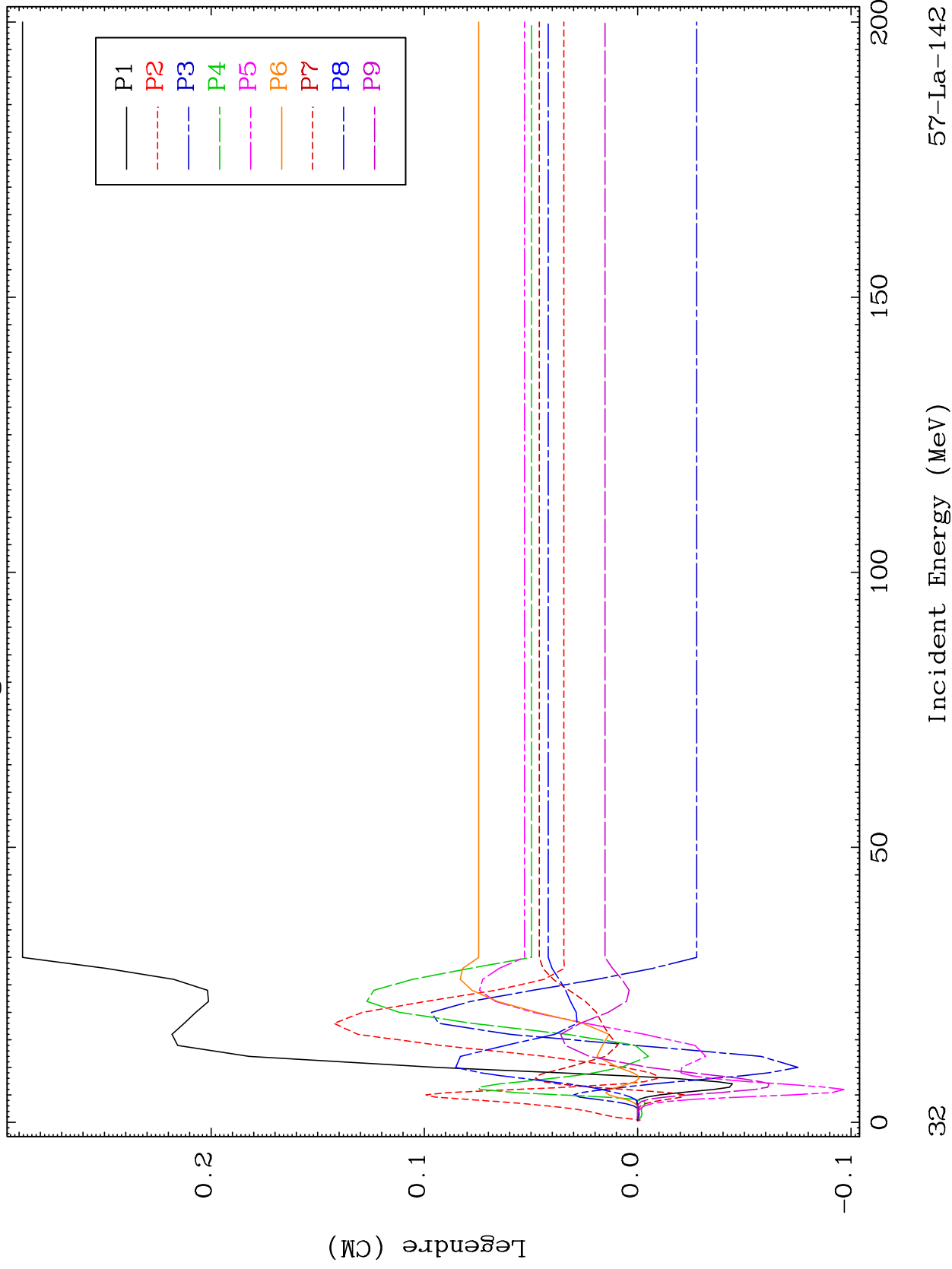
57-La-142



MAT 5737

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

57-La-142



57-La-142

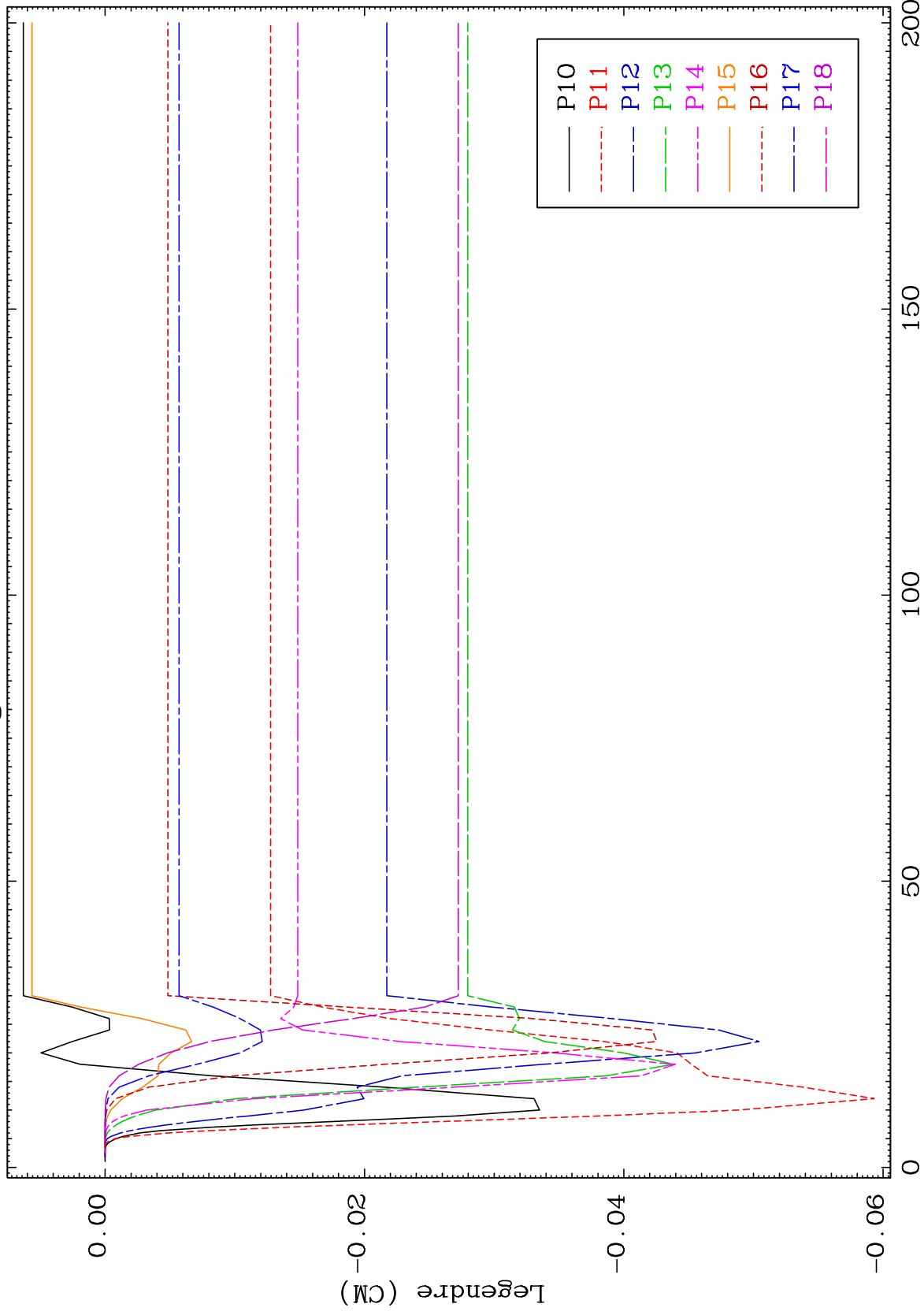
Incident Energy (MeV)

32

MAT 5737

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

57-La-142



33

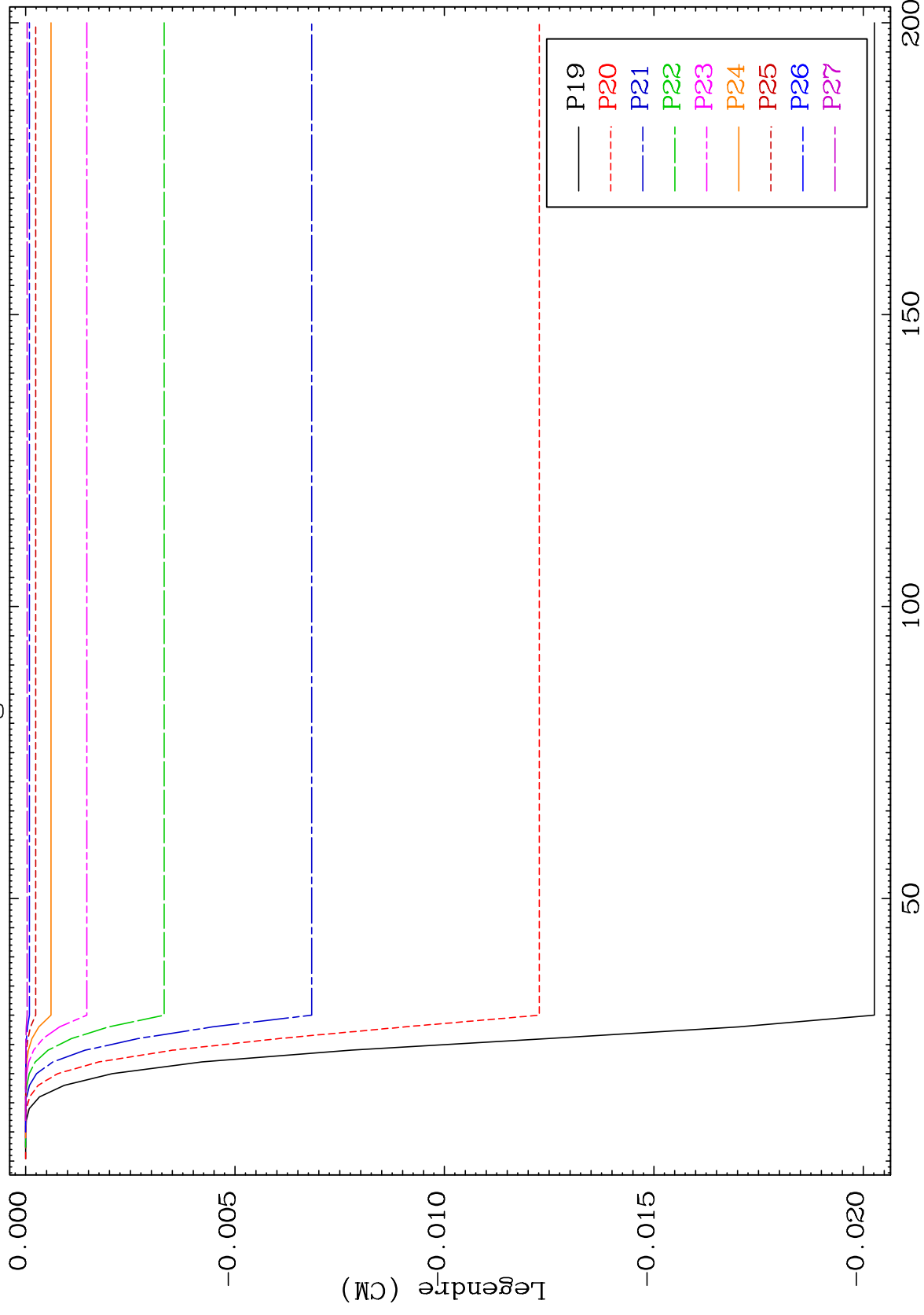
Incident Energy (MeV)

57-La-142

MAT 5737

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

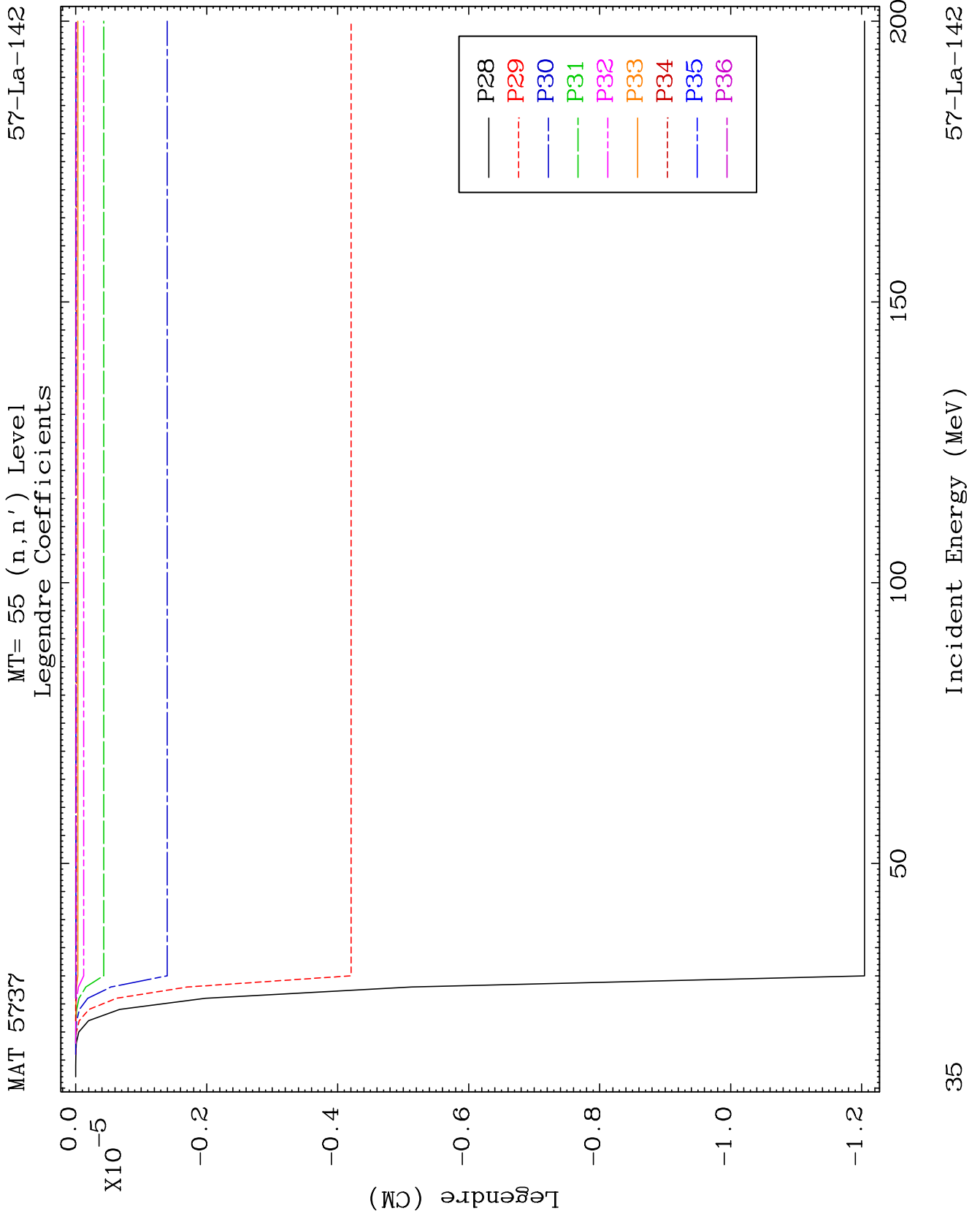
57-La-142

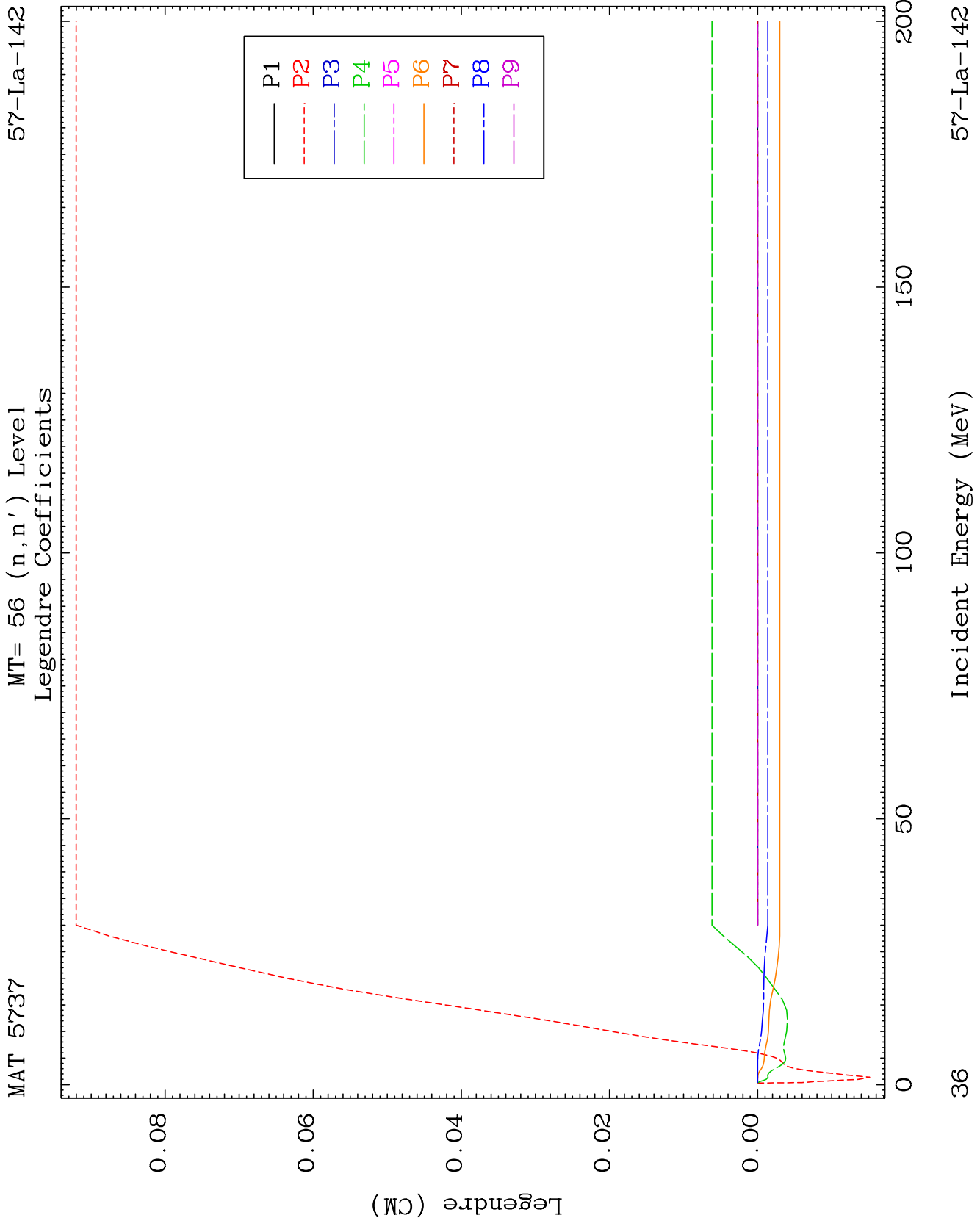


34

Incident Energy (MeV)

57-La-142



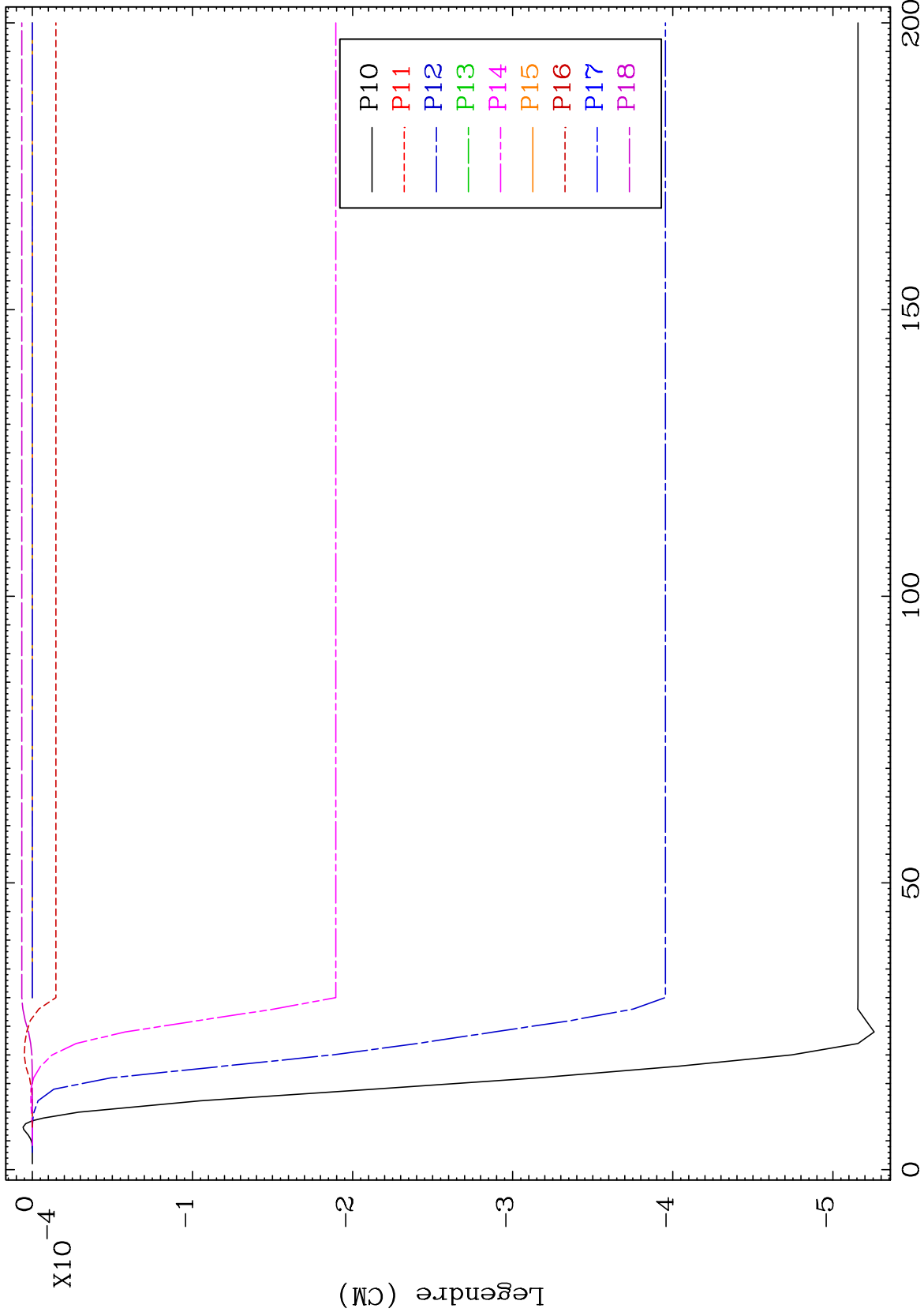


MAT 5737

MT= 56 (n,n') Level

57-La-142

Legendre Coefficients



37

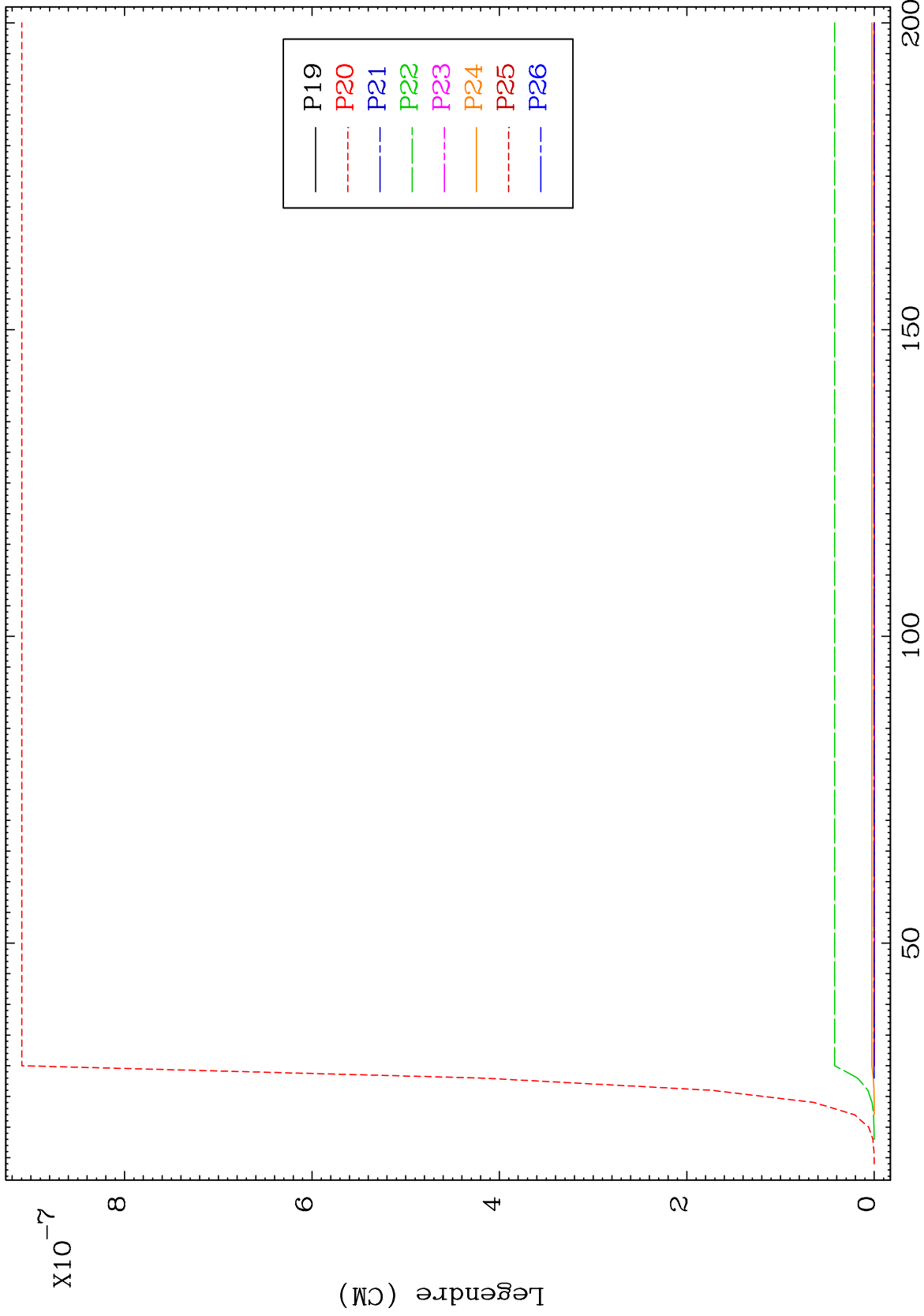
Incident Energy (MeV)

57-La-142

MAT 5737

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

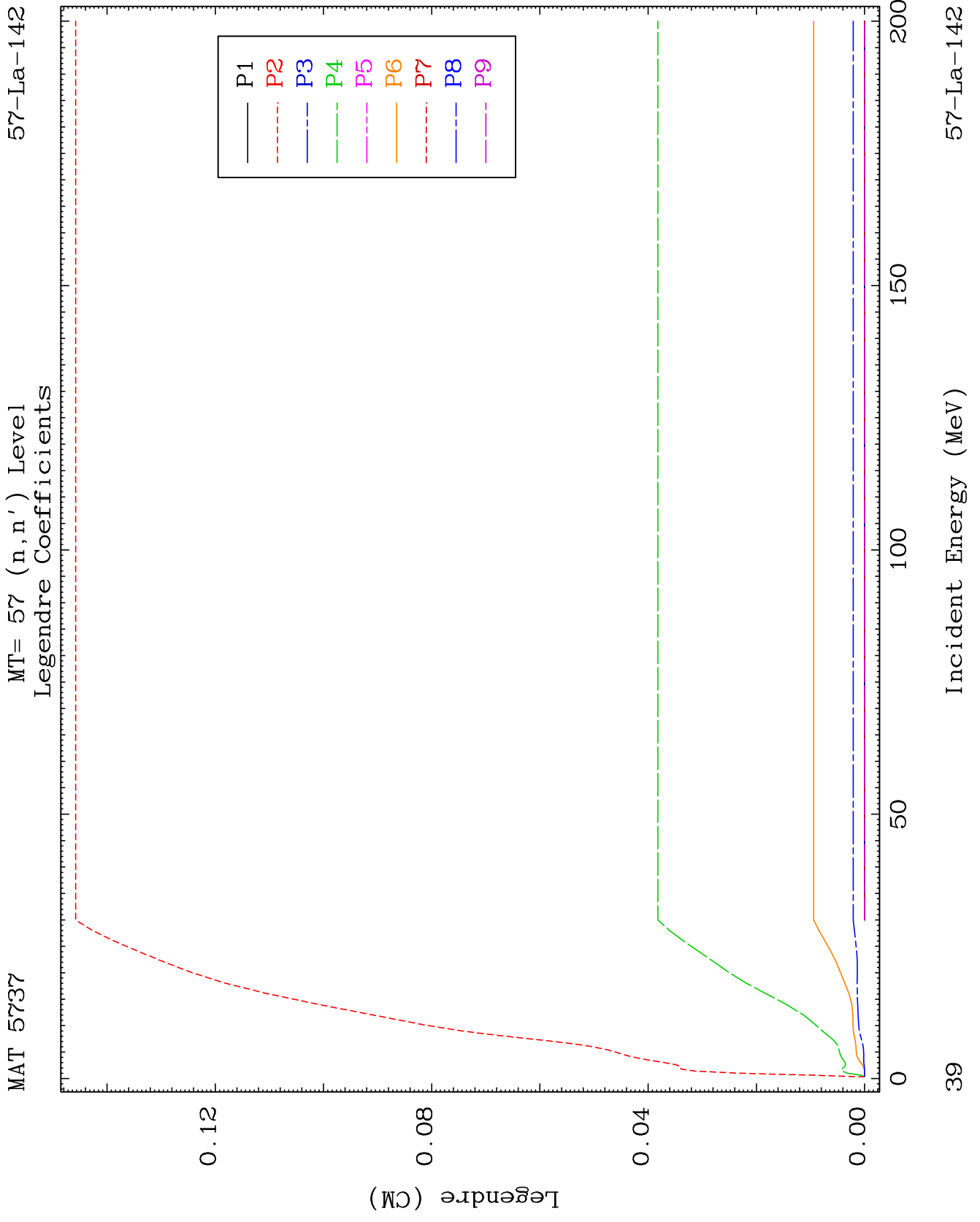
57-La-142



38

Incident Energy (MeV)

57-La-142

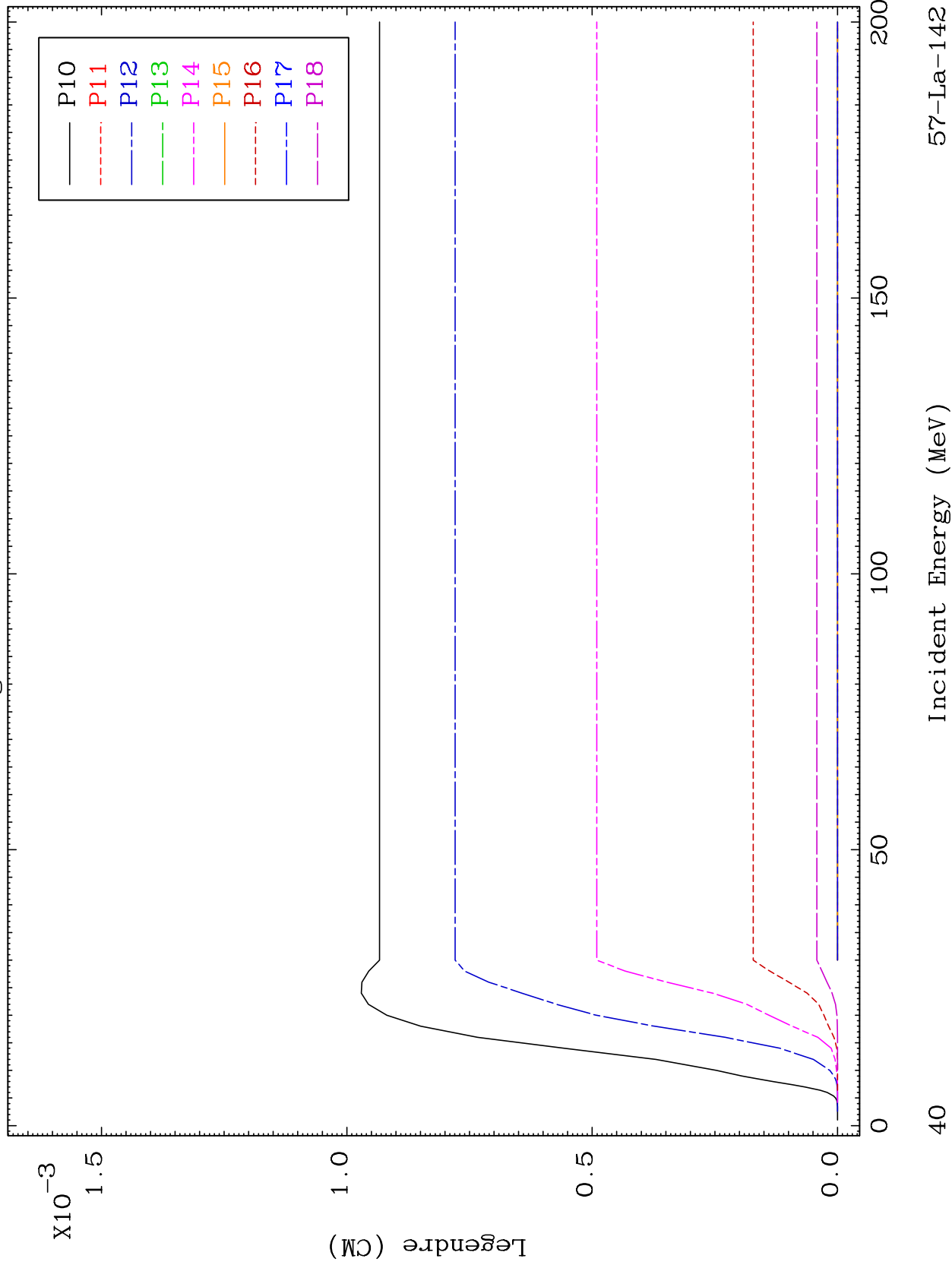


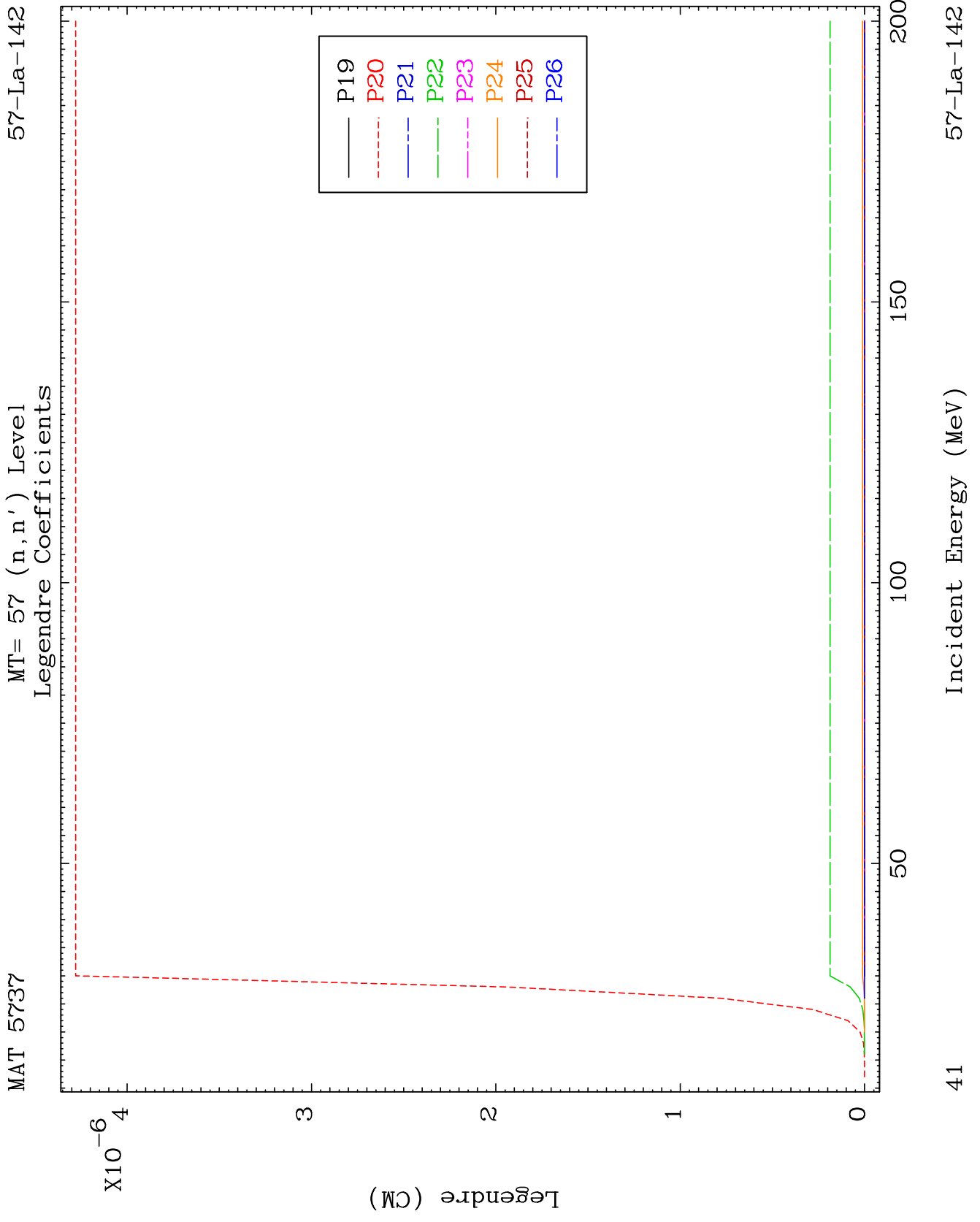


MAT 5737

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

57-La-142

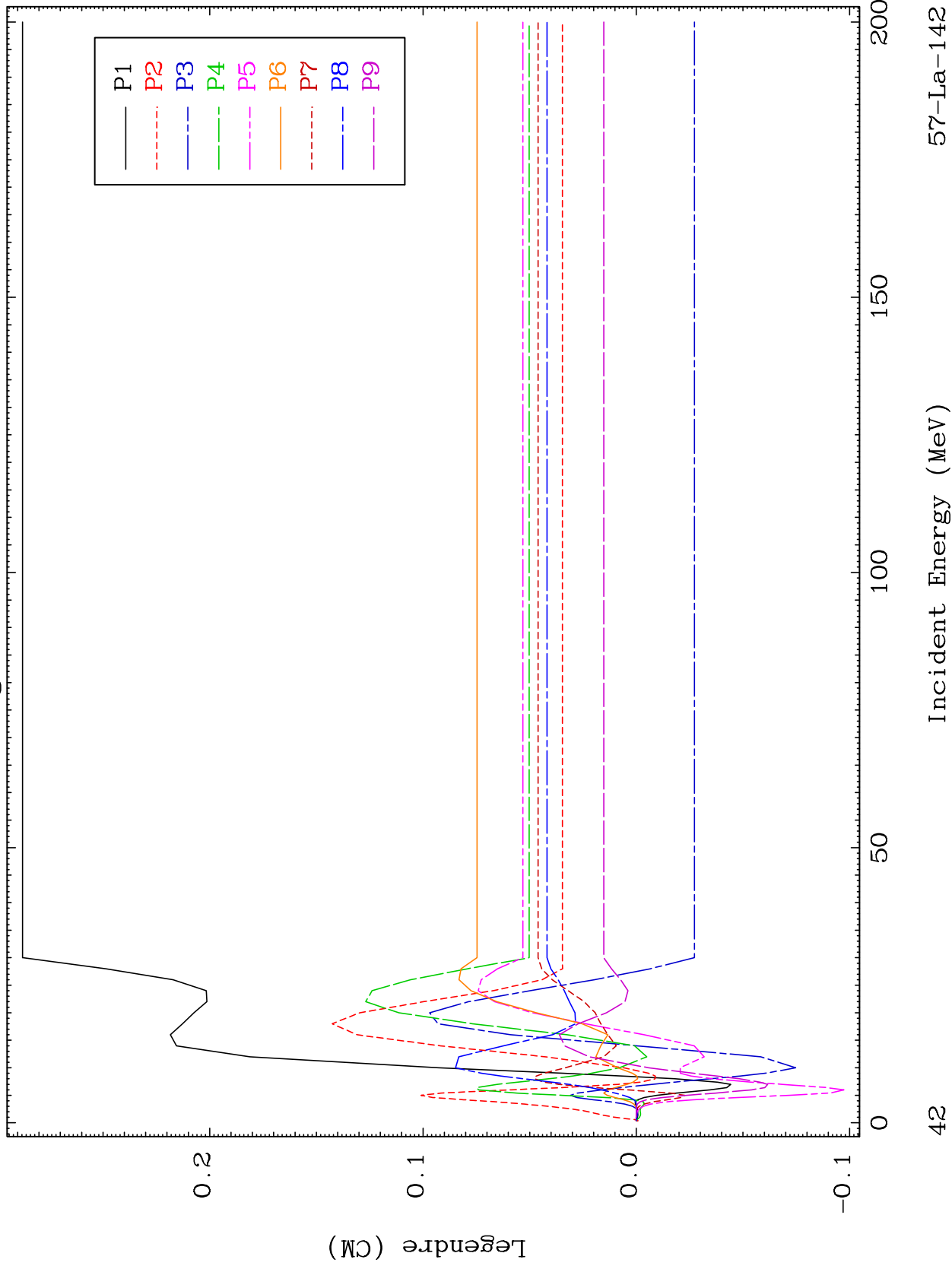




MAT 5737

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

57-La-142



57-La-142

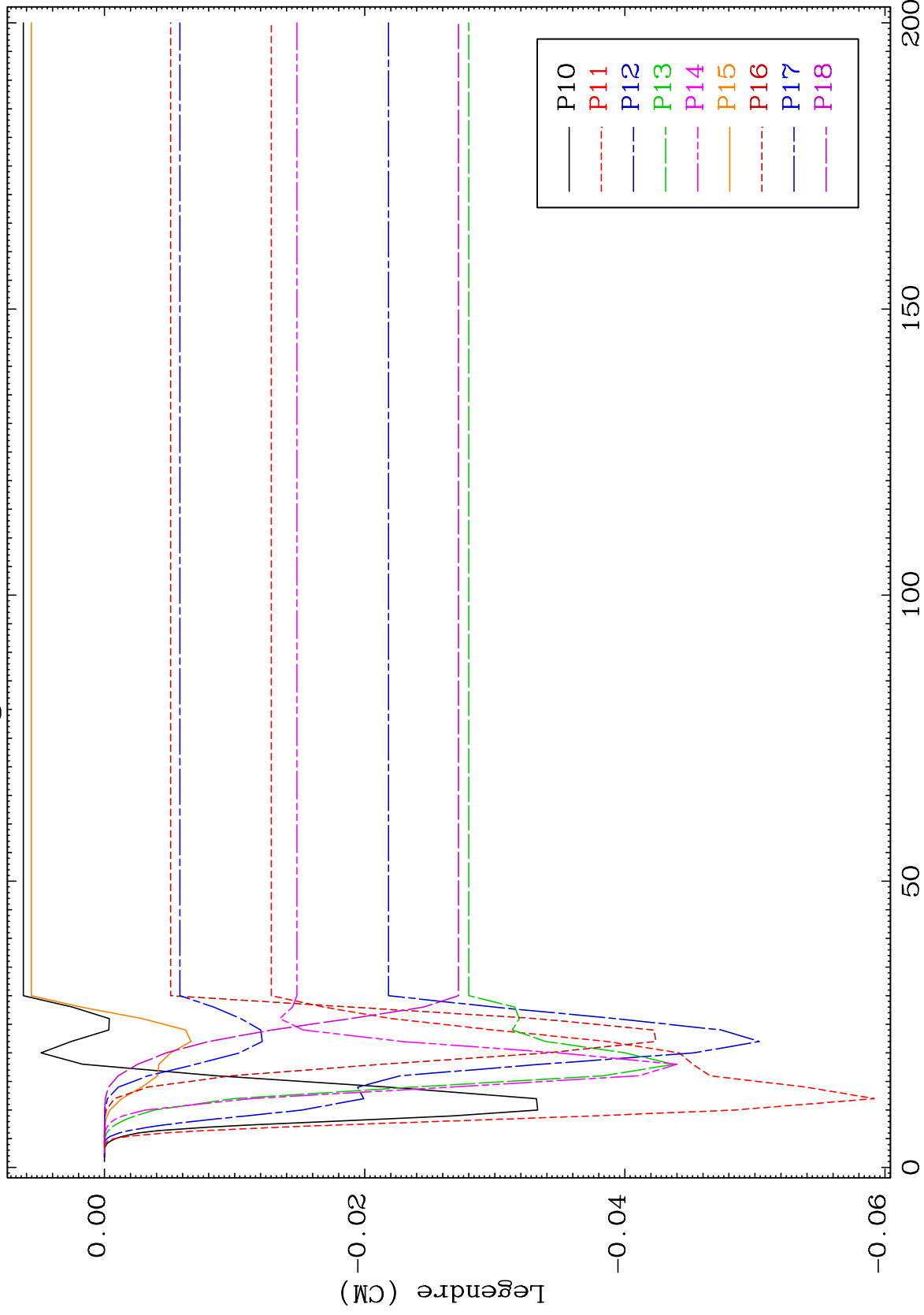
Incident Energy (MeV)

42

MAT 5737

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

57-La-142



43

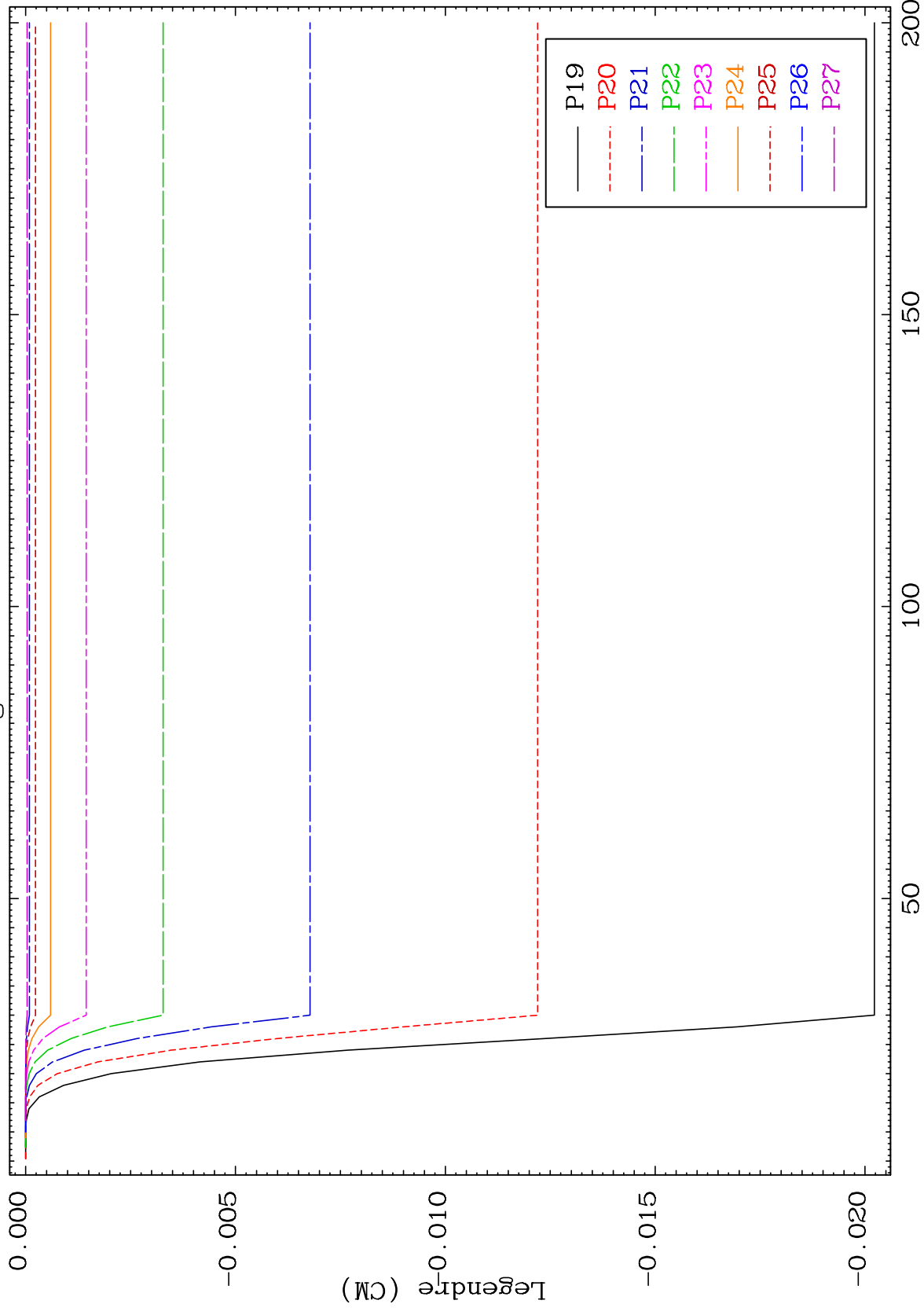
Incident Energy (MeV)

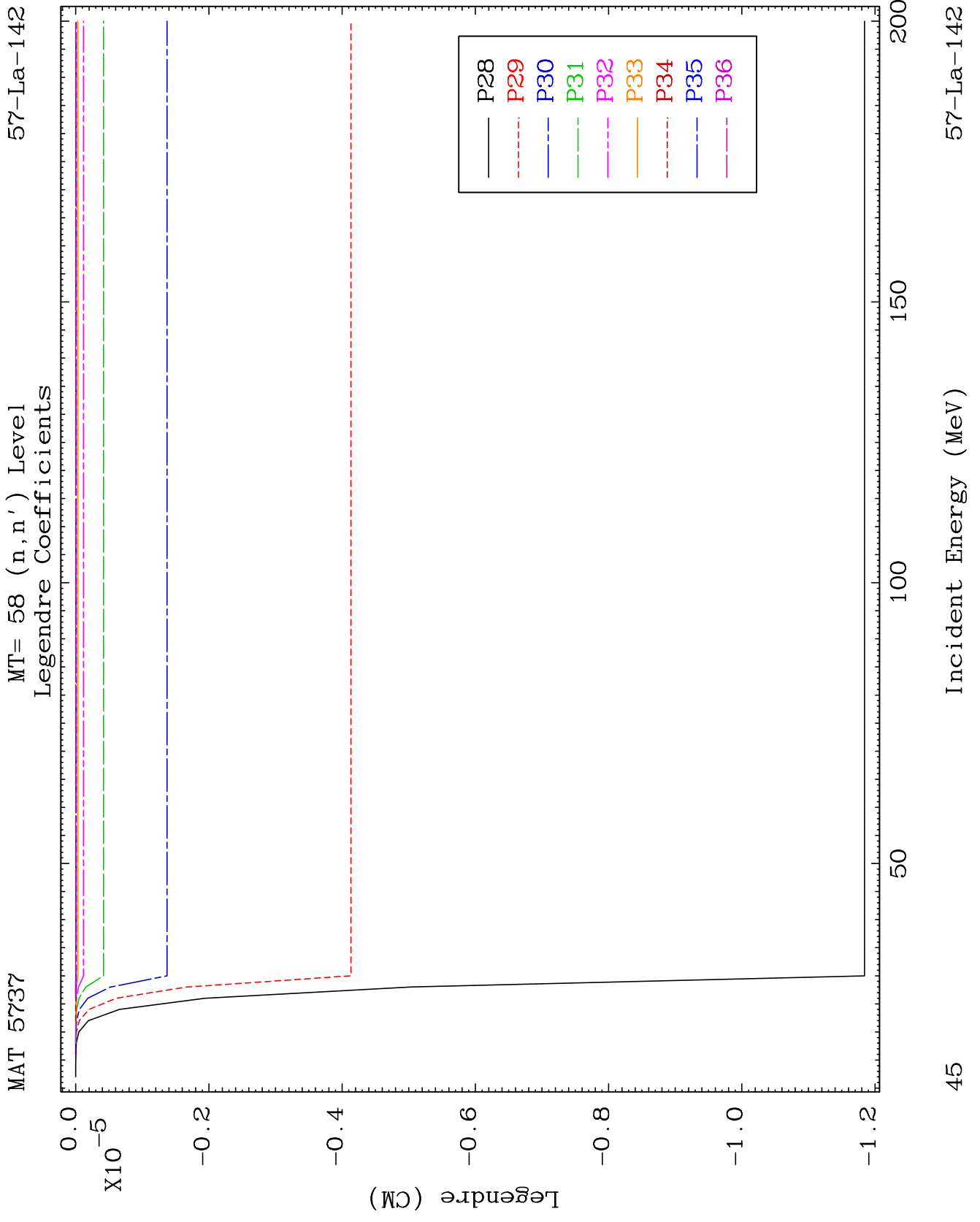
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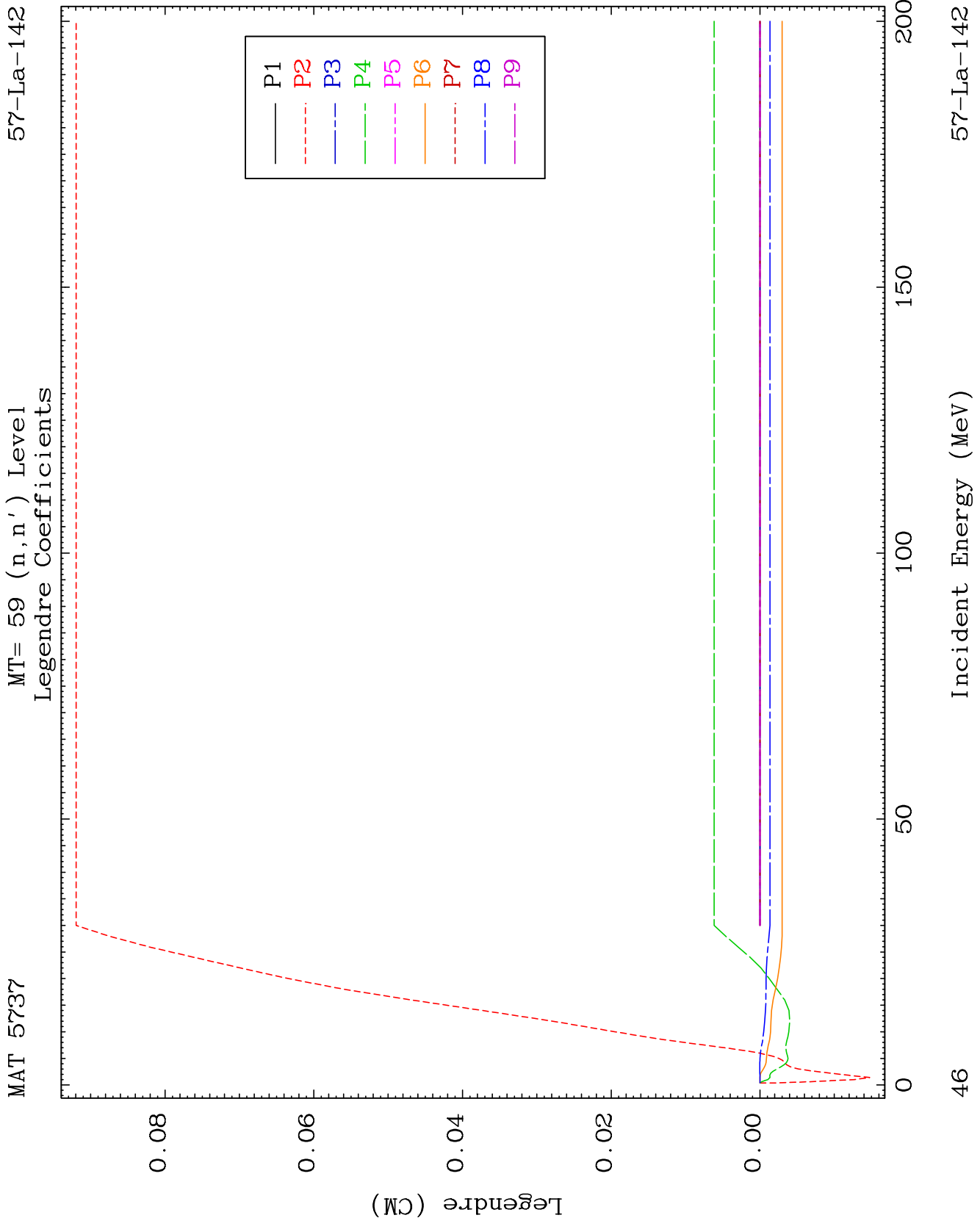
MAT 5737

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

57-La-142







57-La-142

Incident Energy (MeV)

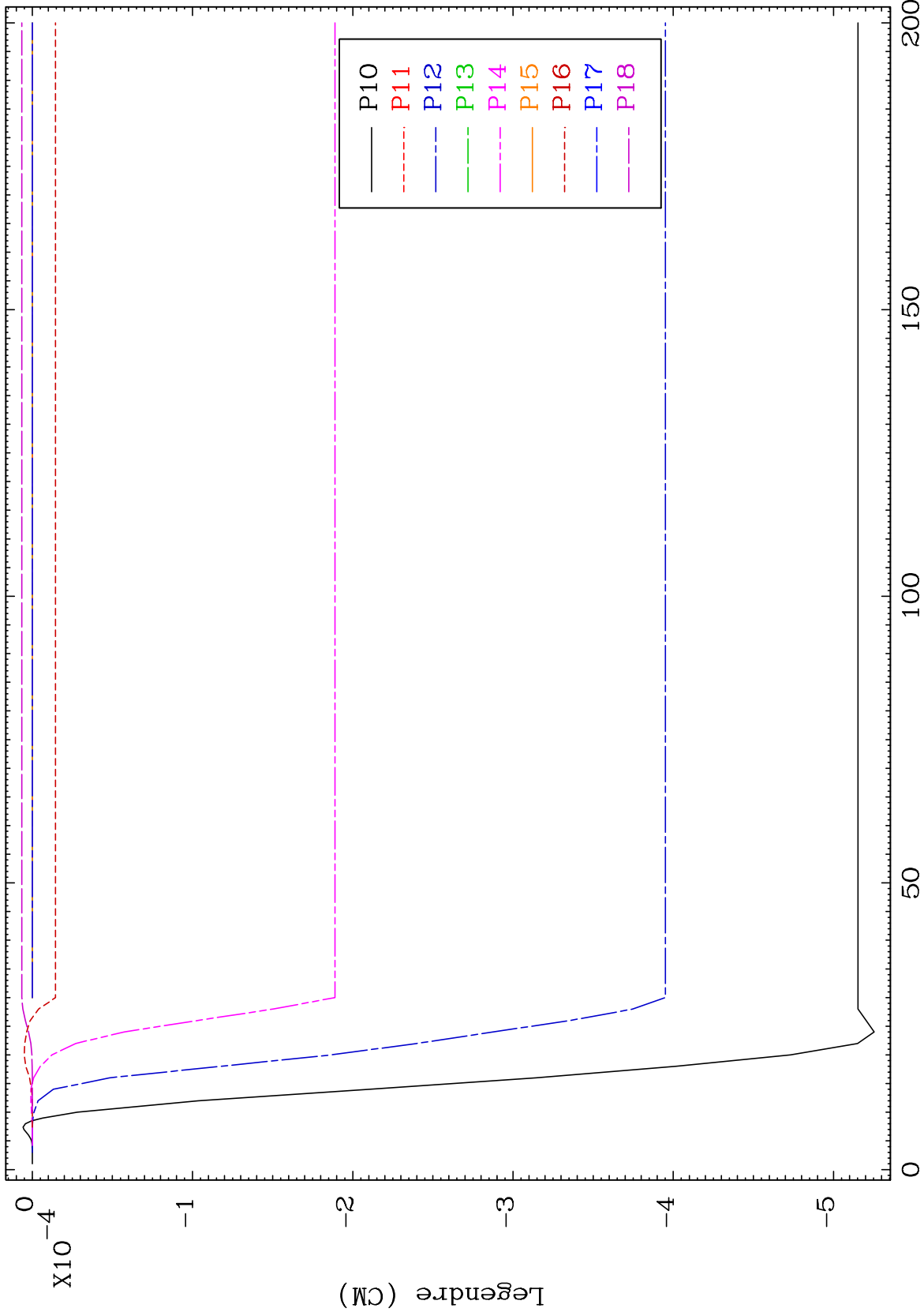
46

MAT 5737

MT= 59 (n,n') Level

57-La-142

Legendre Coefficients

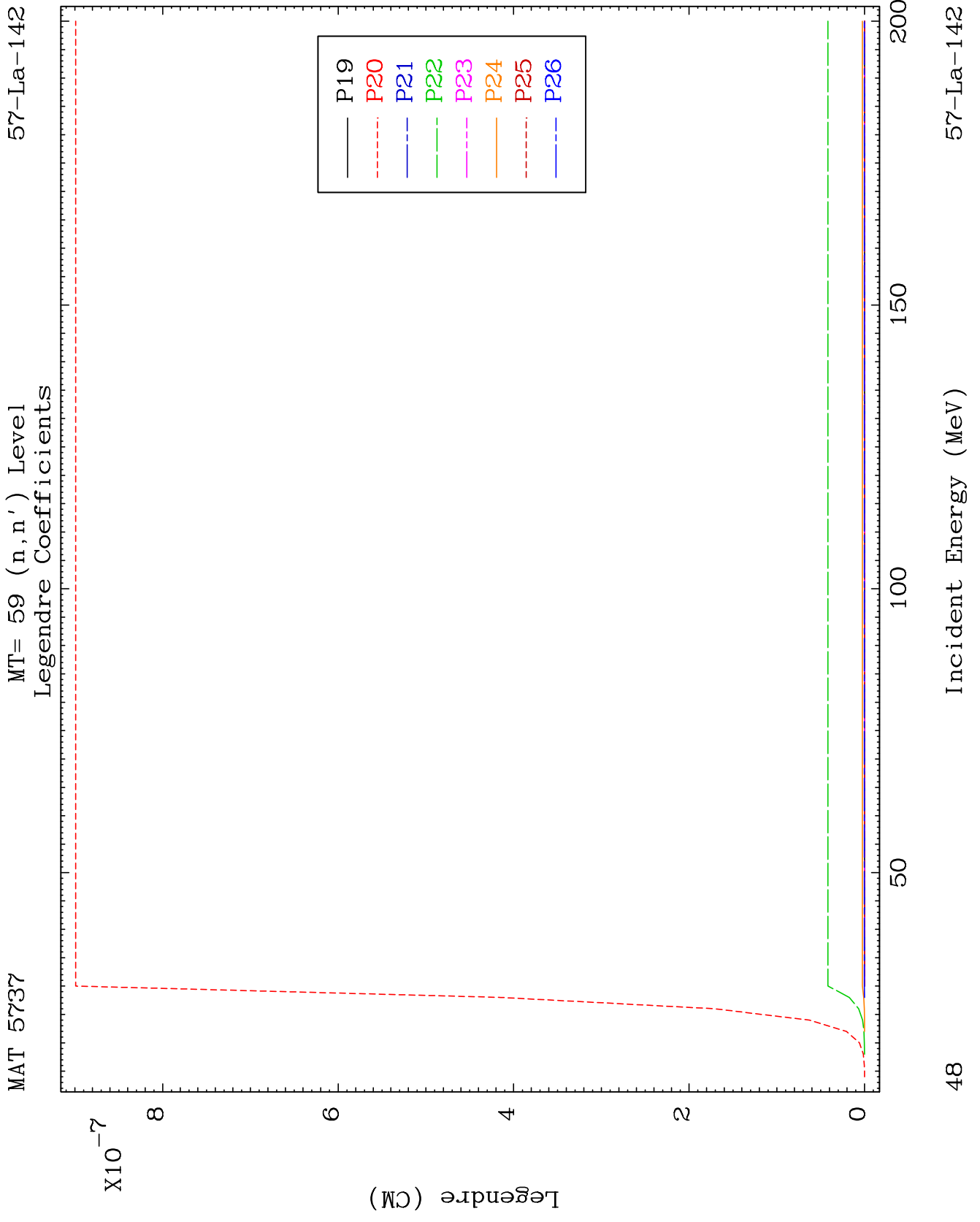


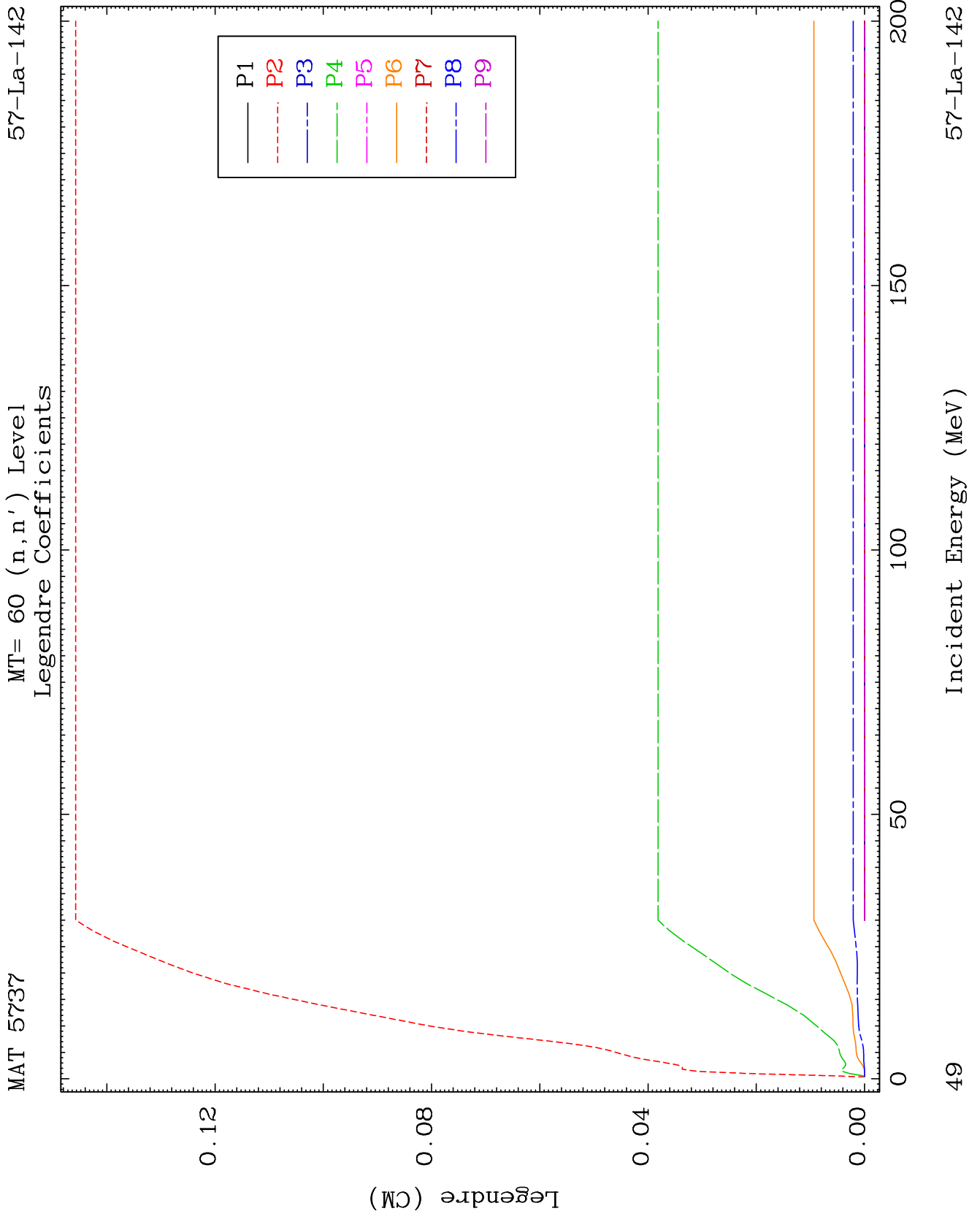
47

Incident Energy (MeV)

57-La-142



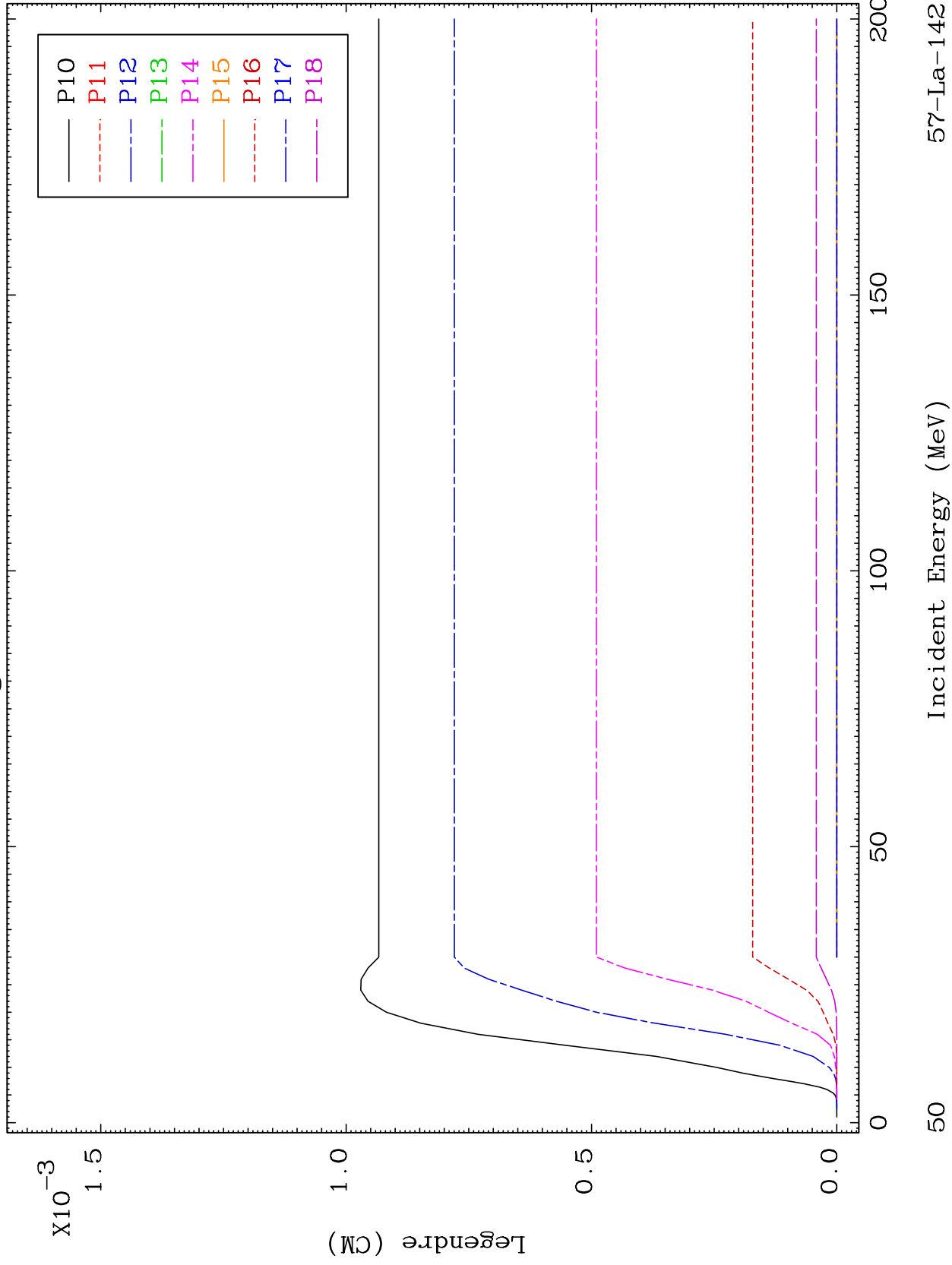


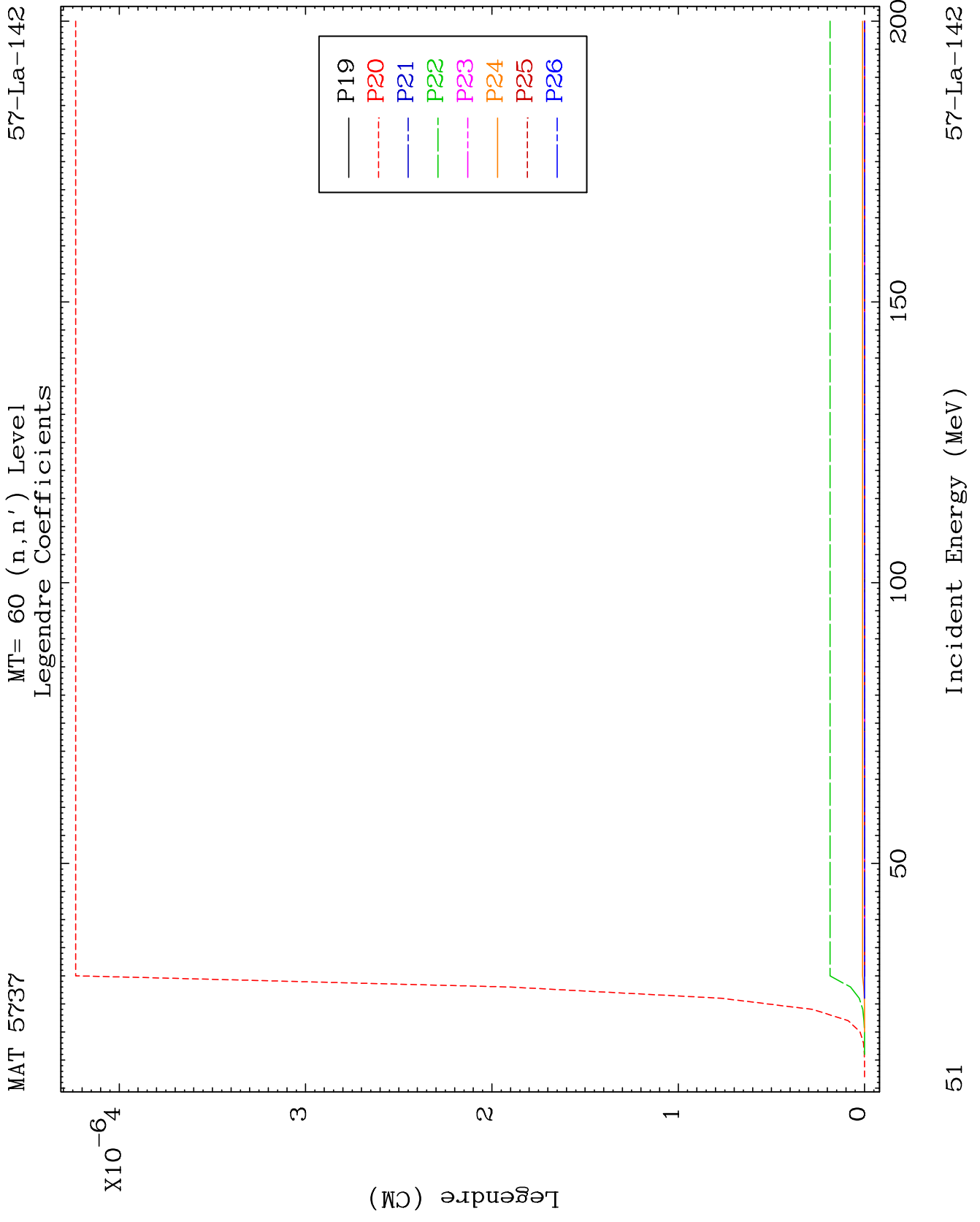


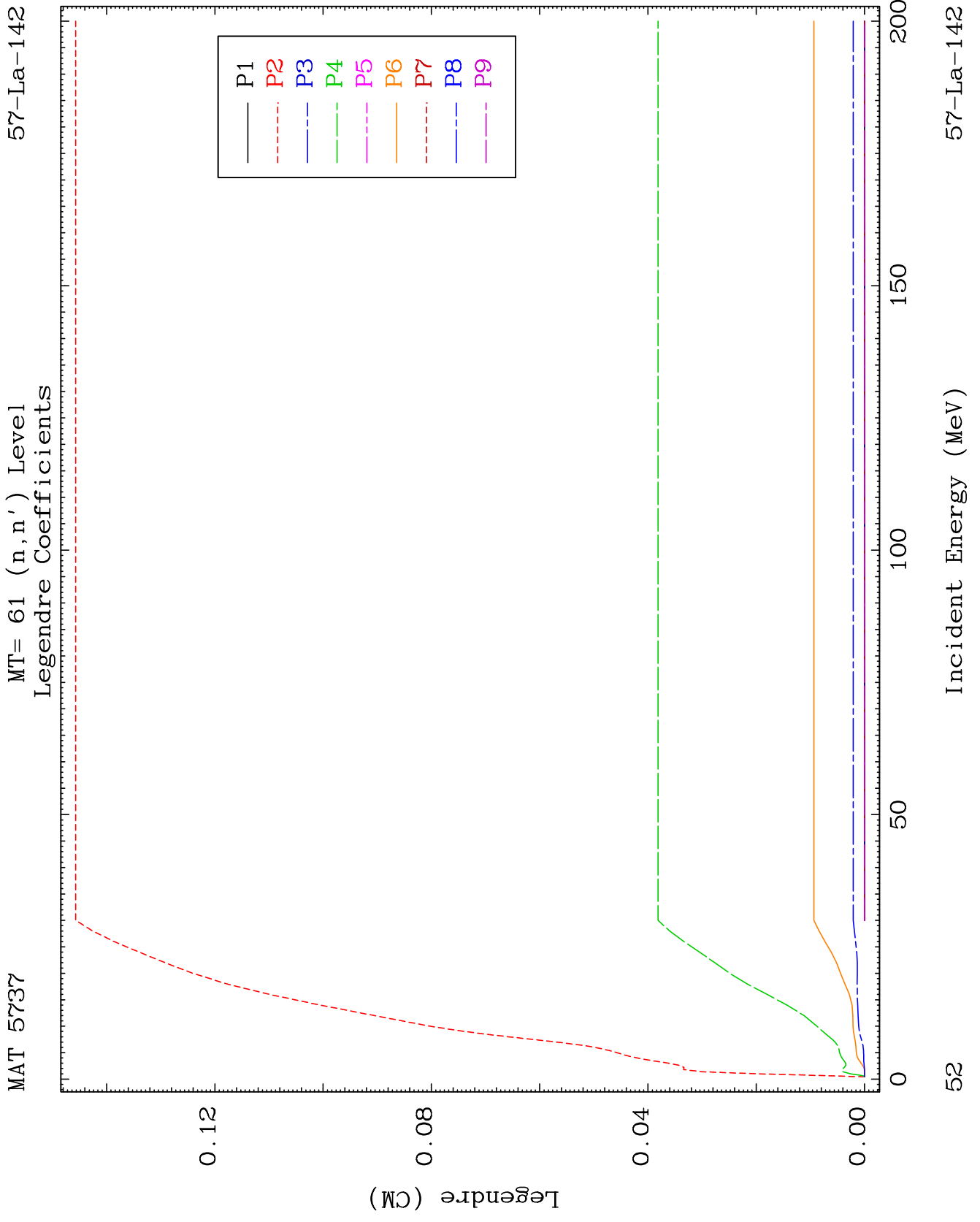
MAT 5737

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

57-La-142



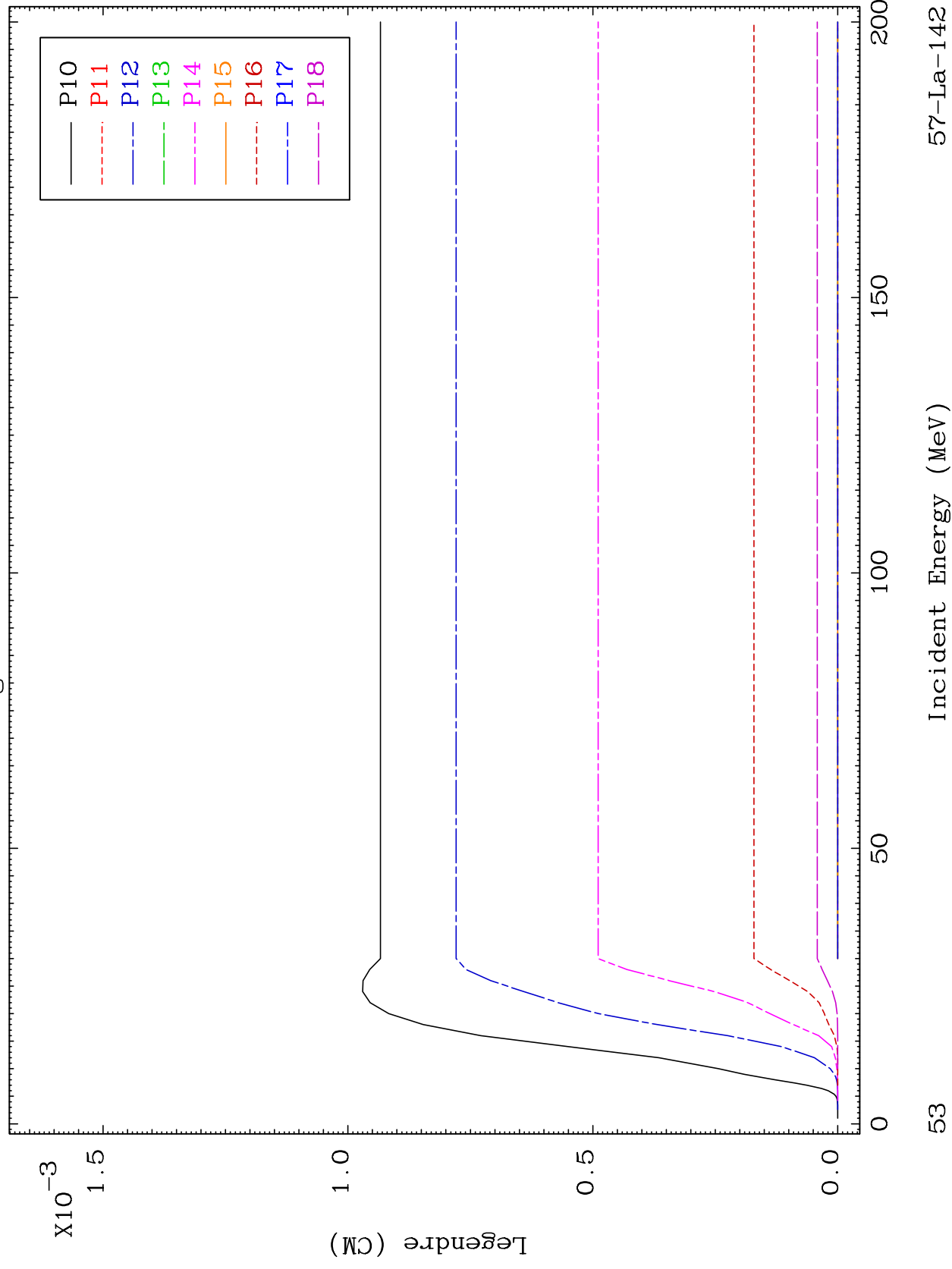


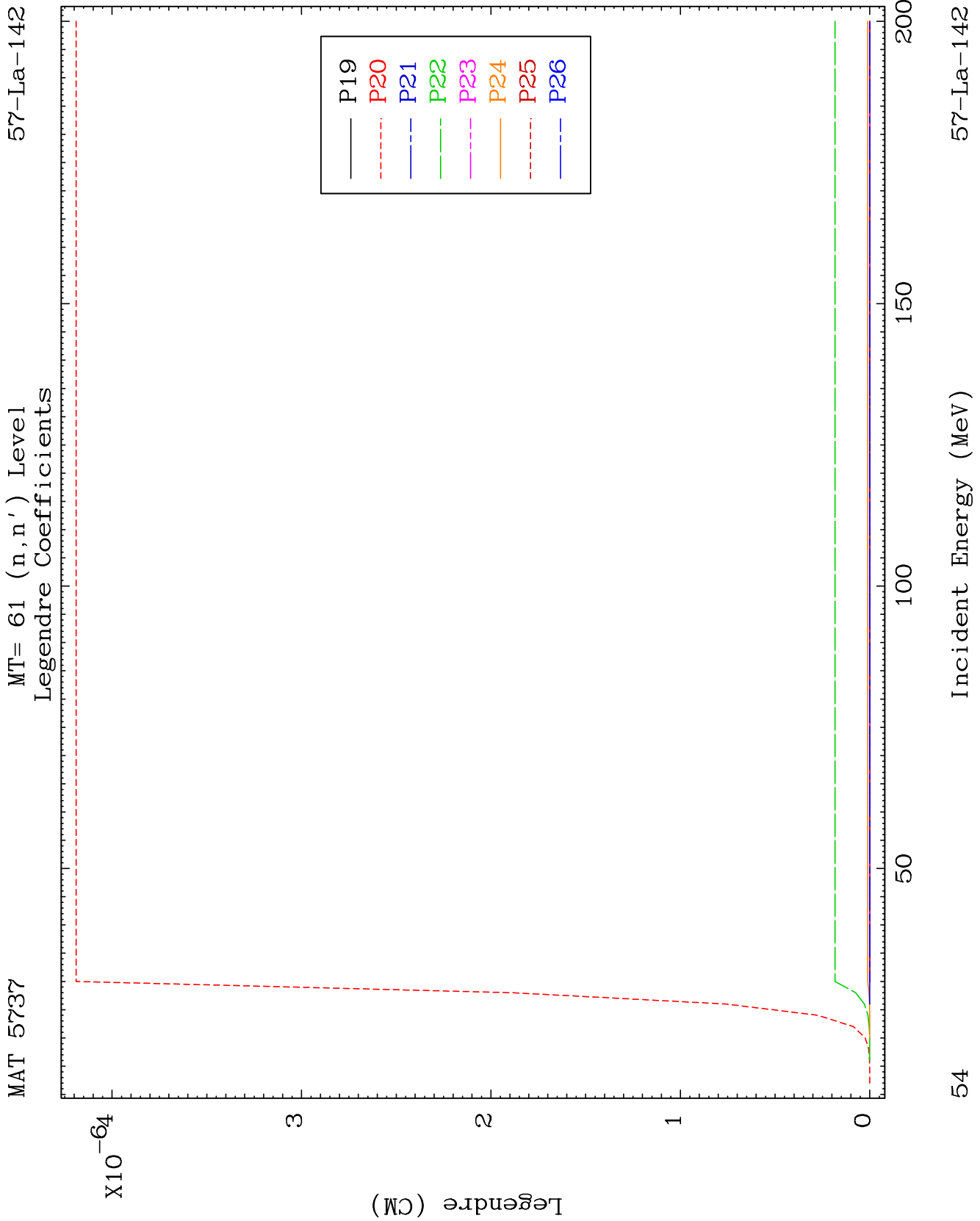


MAT 5737

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

57-La-142

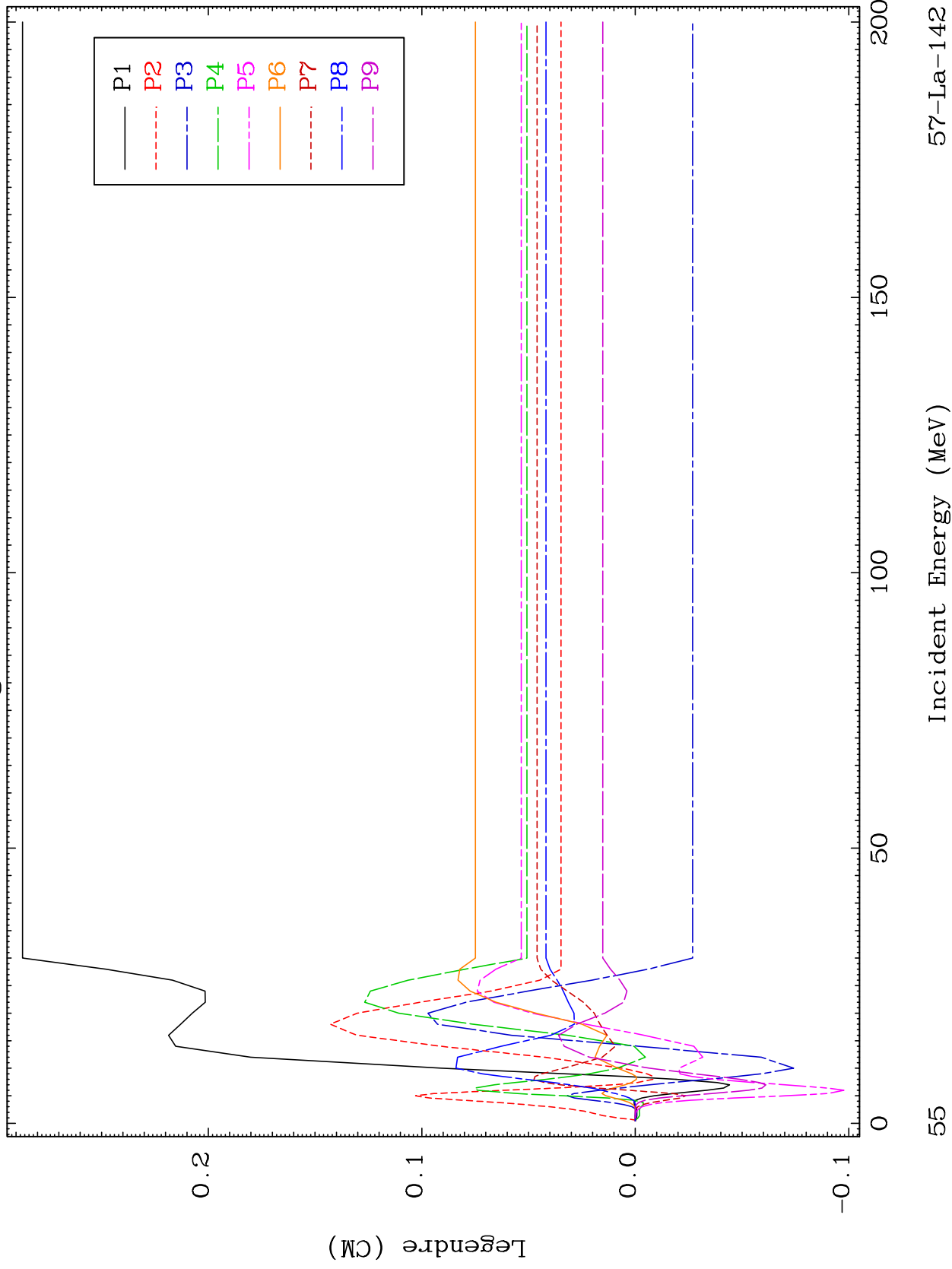




MAT 5737

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

57-La-142



57-La-142

Incident Energy (MeV)

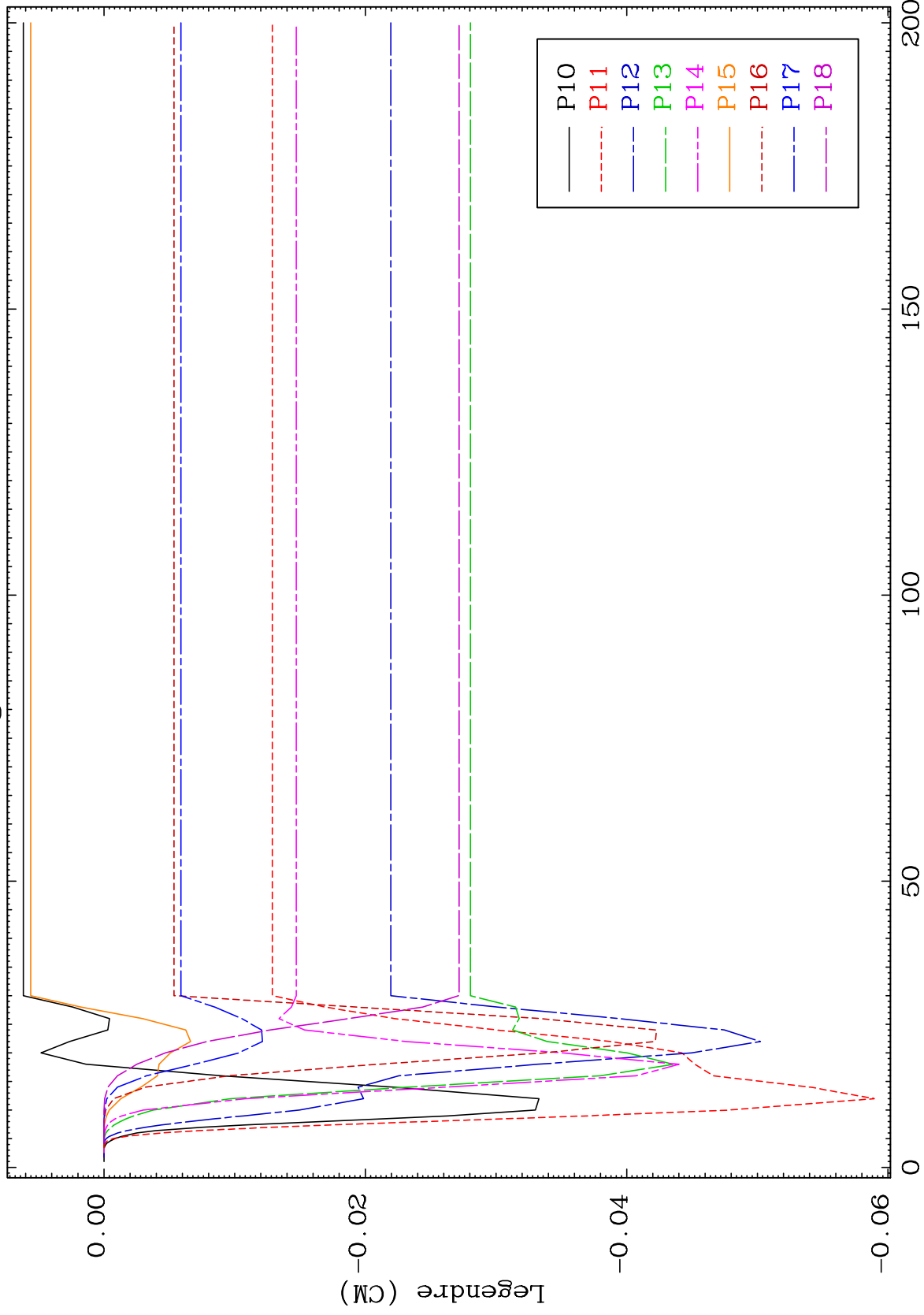
55



MAT 5737

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

57-La-142



56

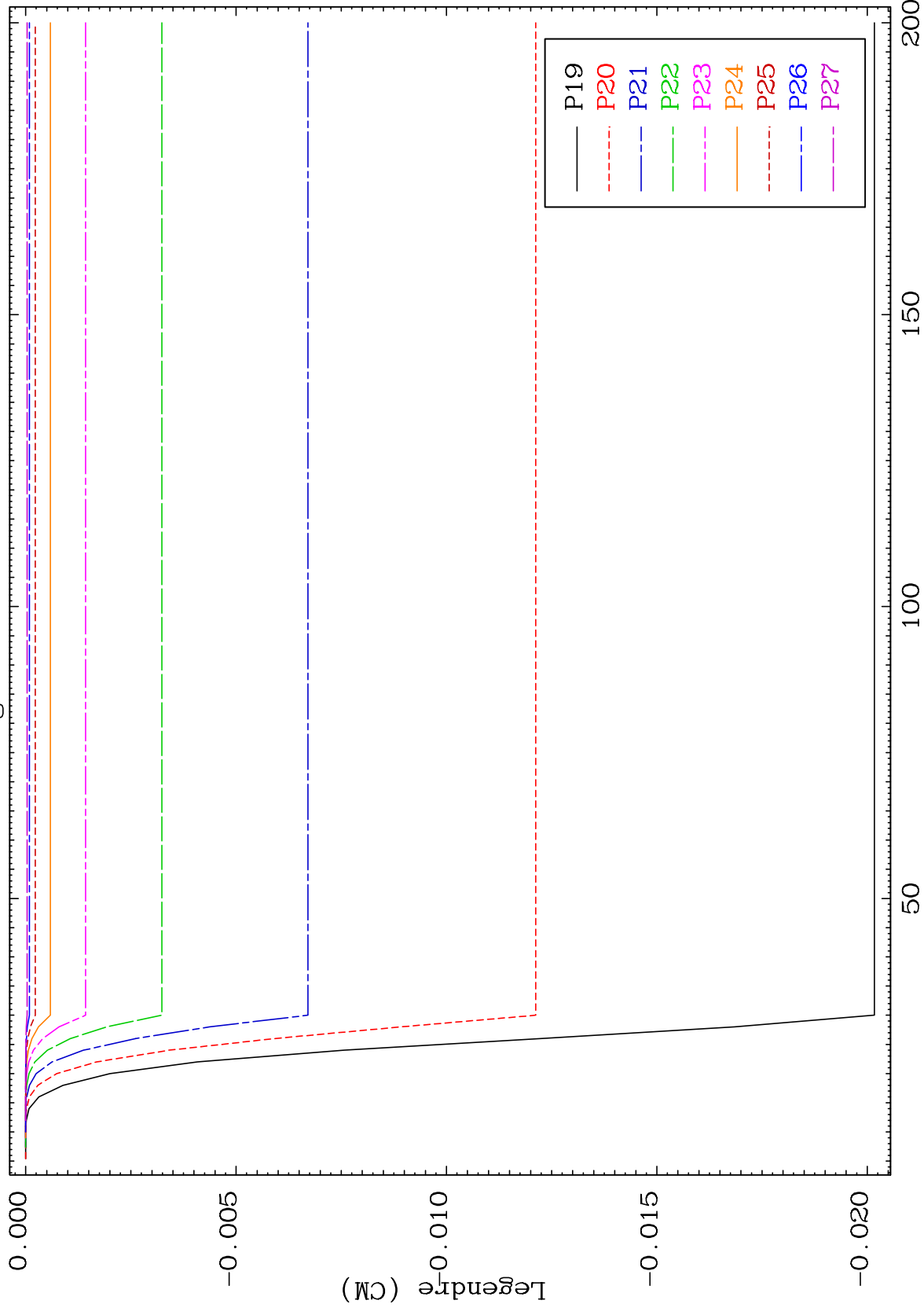
Incident Energy (MeV)

57-La-142

MAT 5737

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

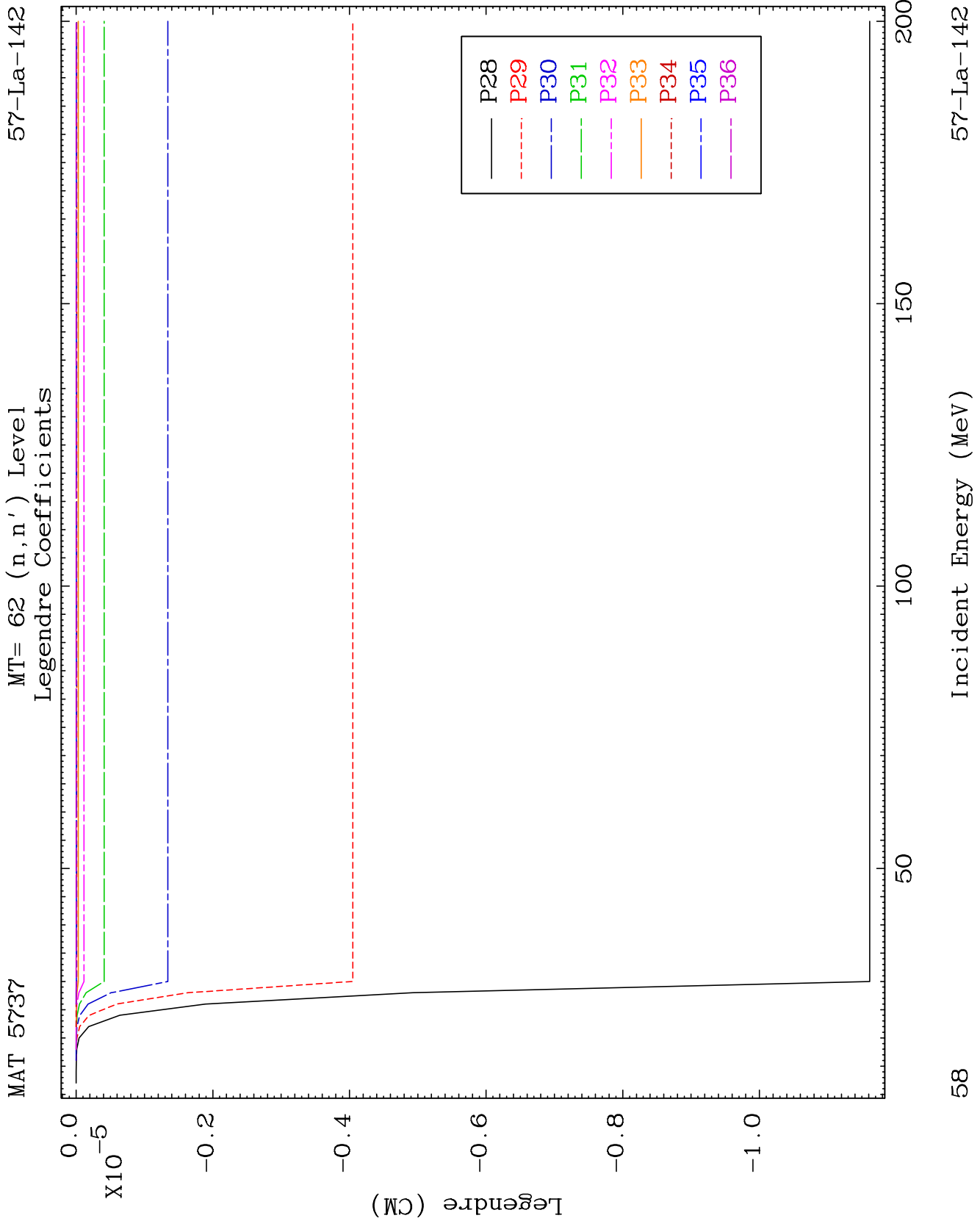
57-La-142



57

Incident Energy (MeV)

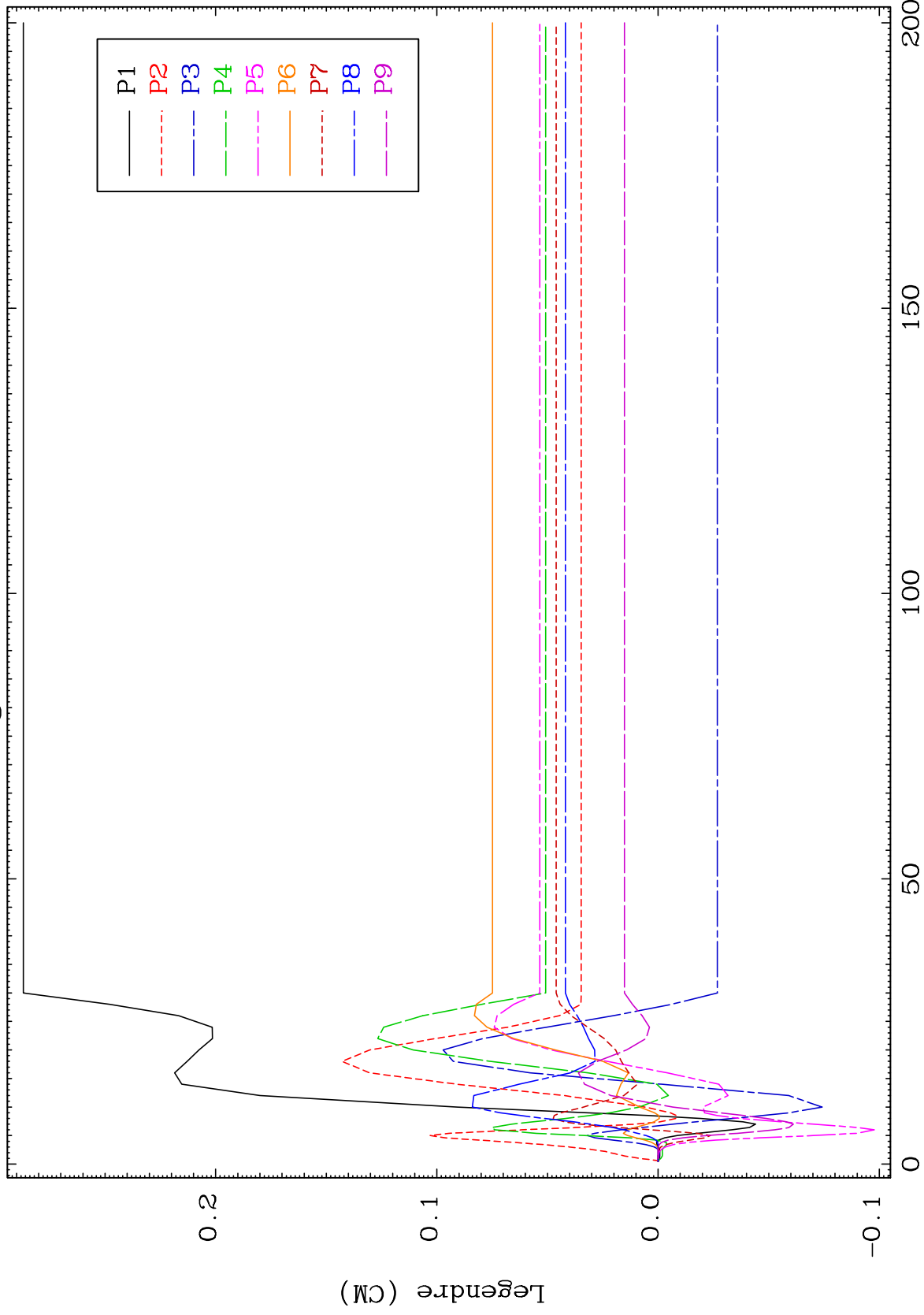
57-La-142



MAT 5737

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

57-La-142



59

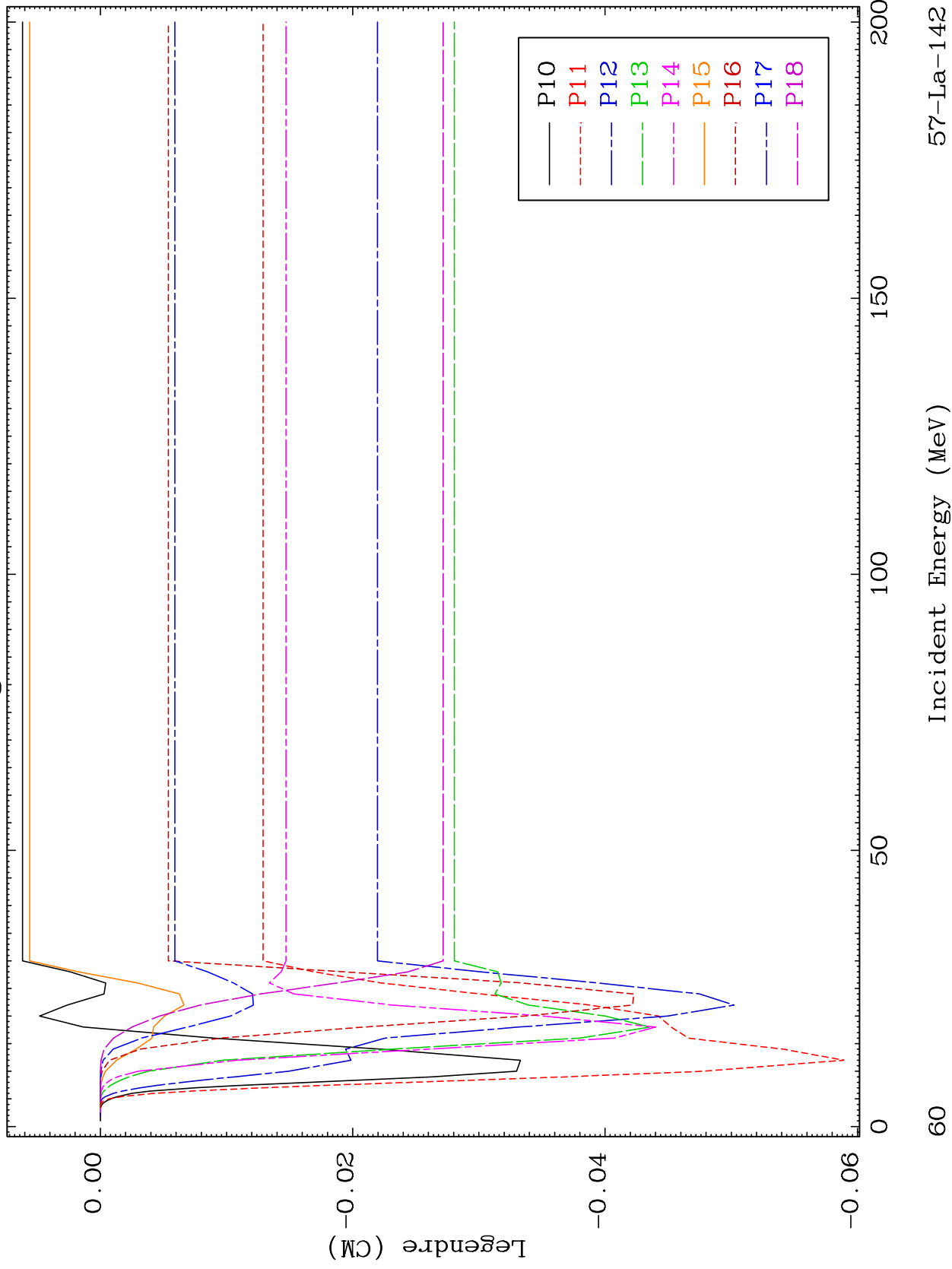
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



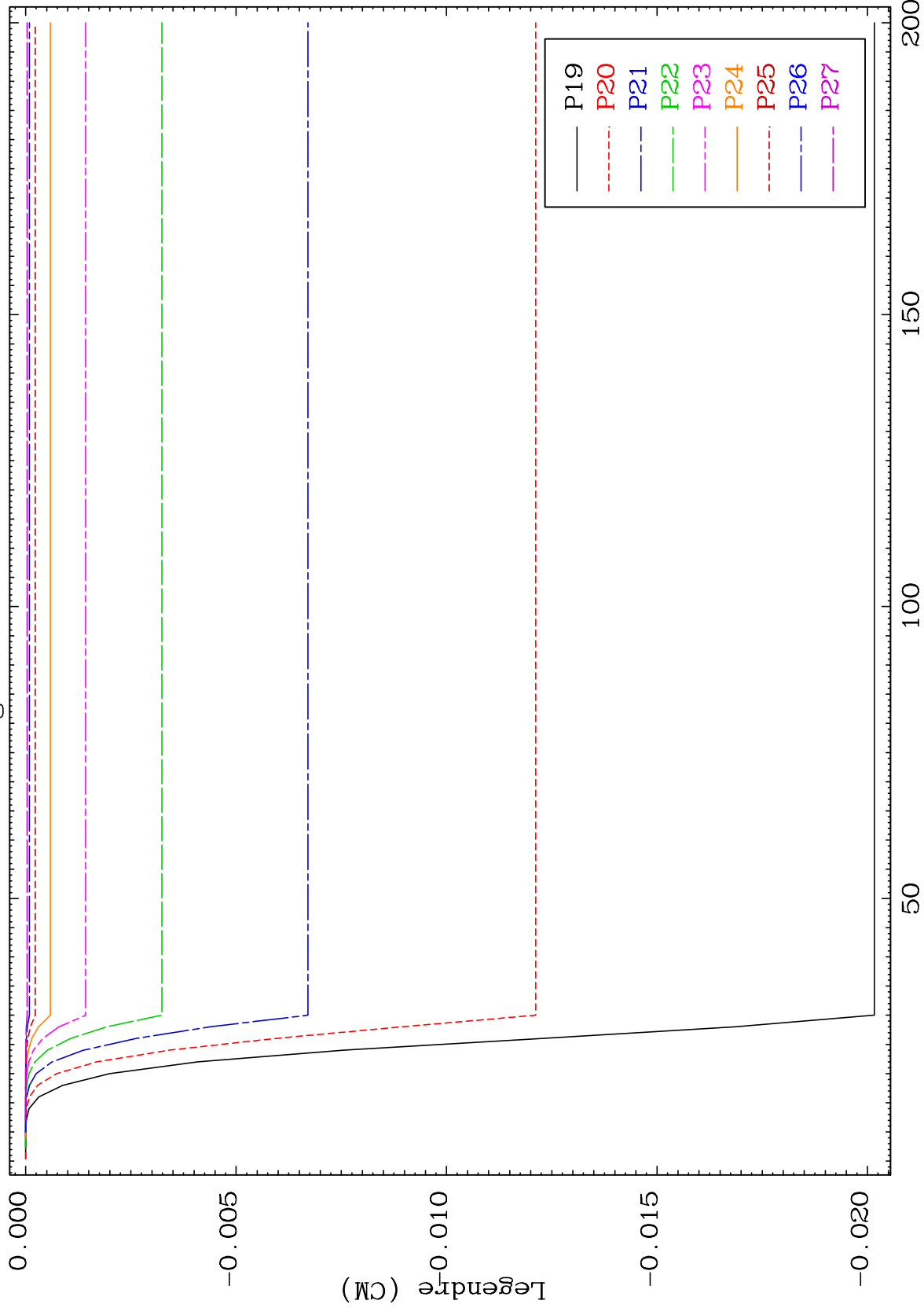
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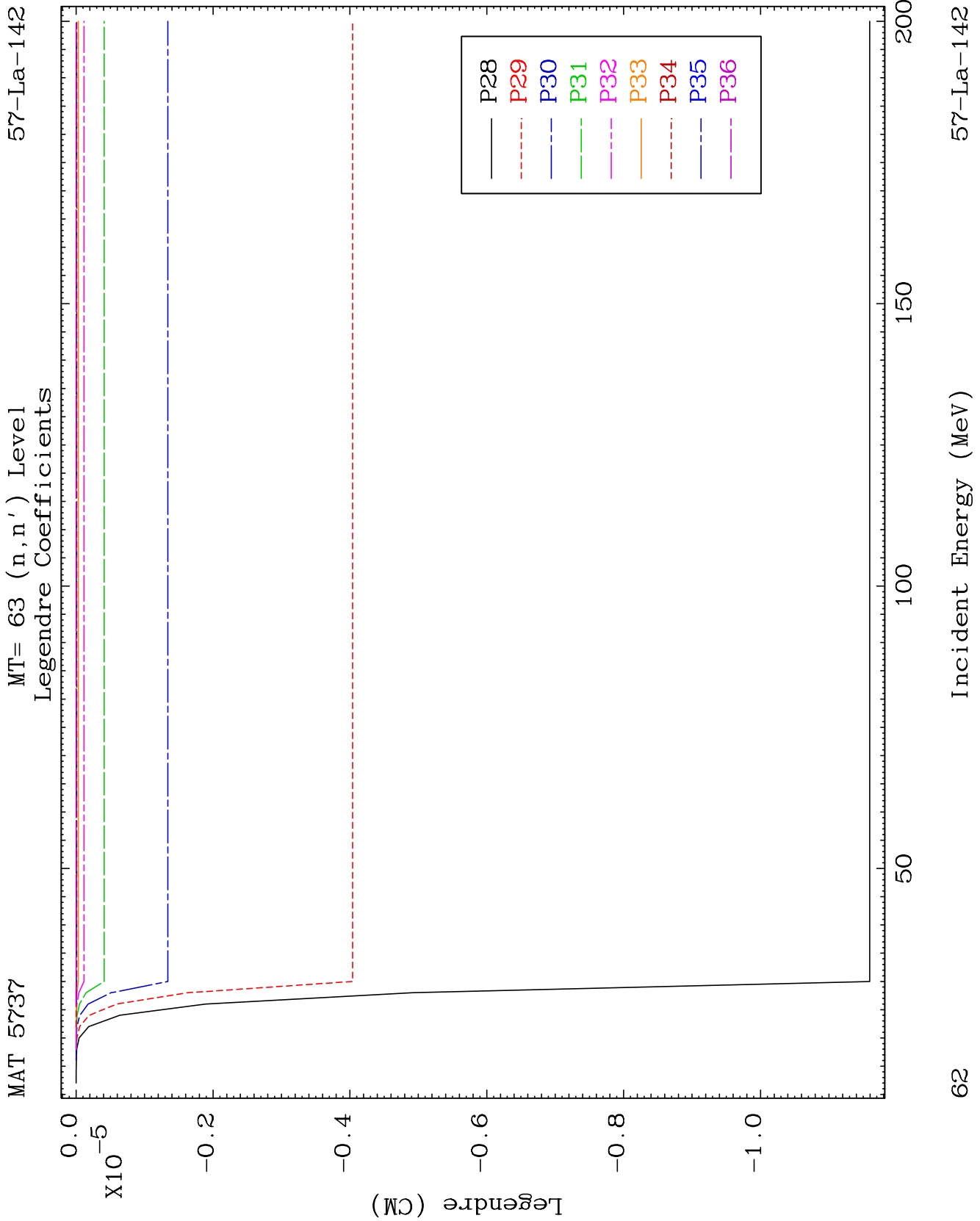
Incident Energy (MeV)

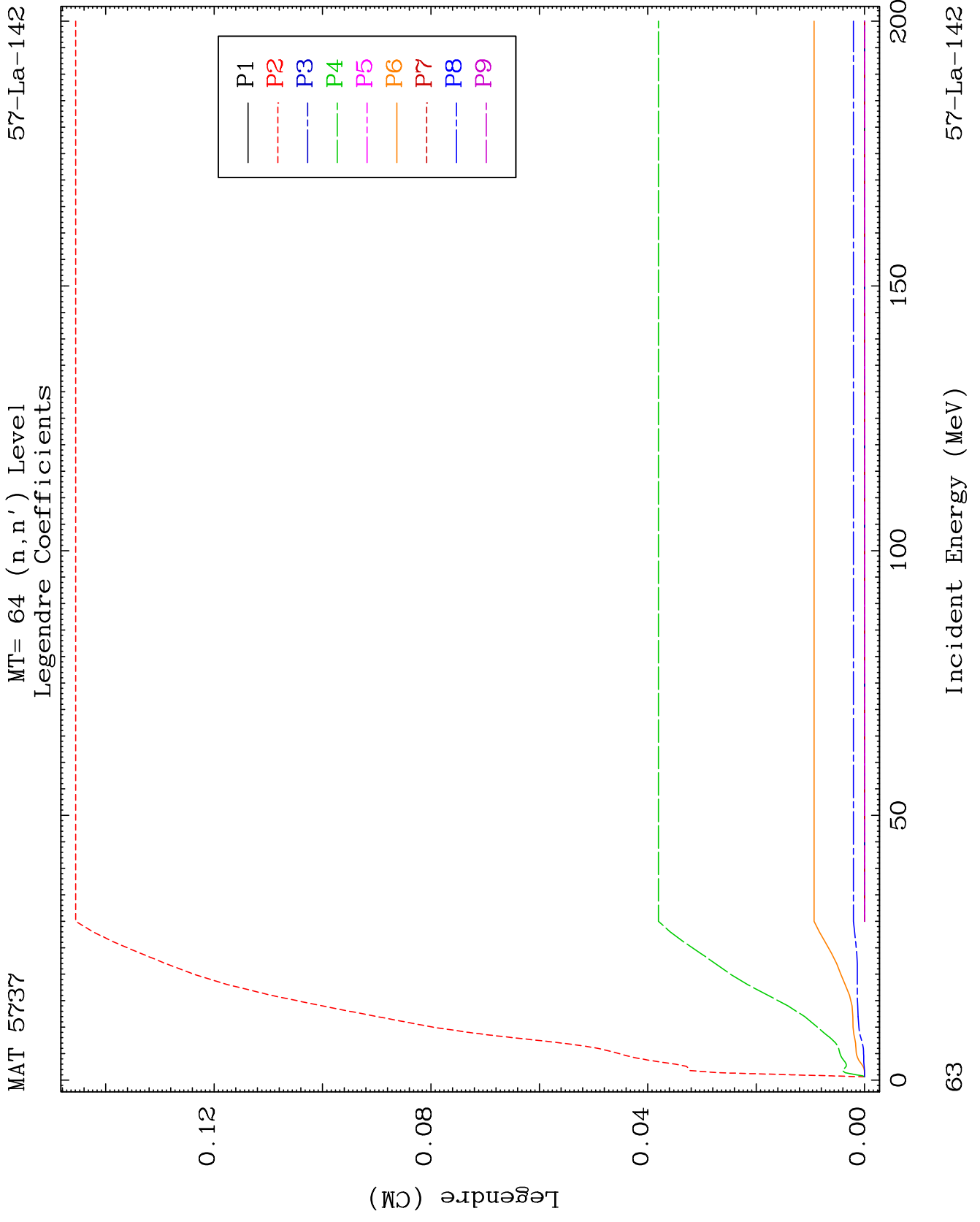
MAT 5737

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

57-La-142





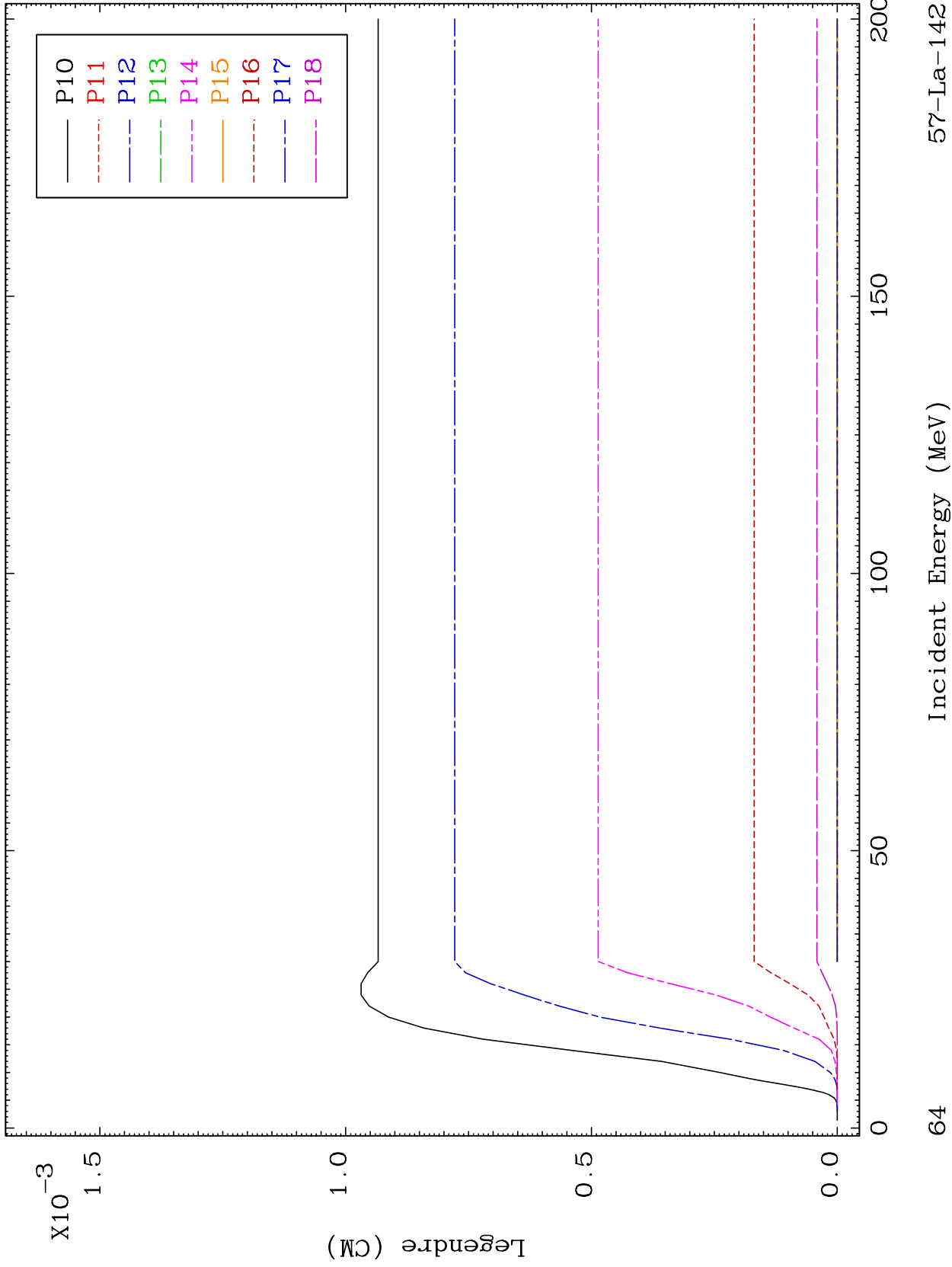


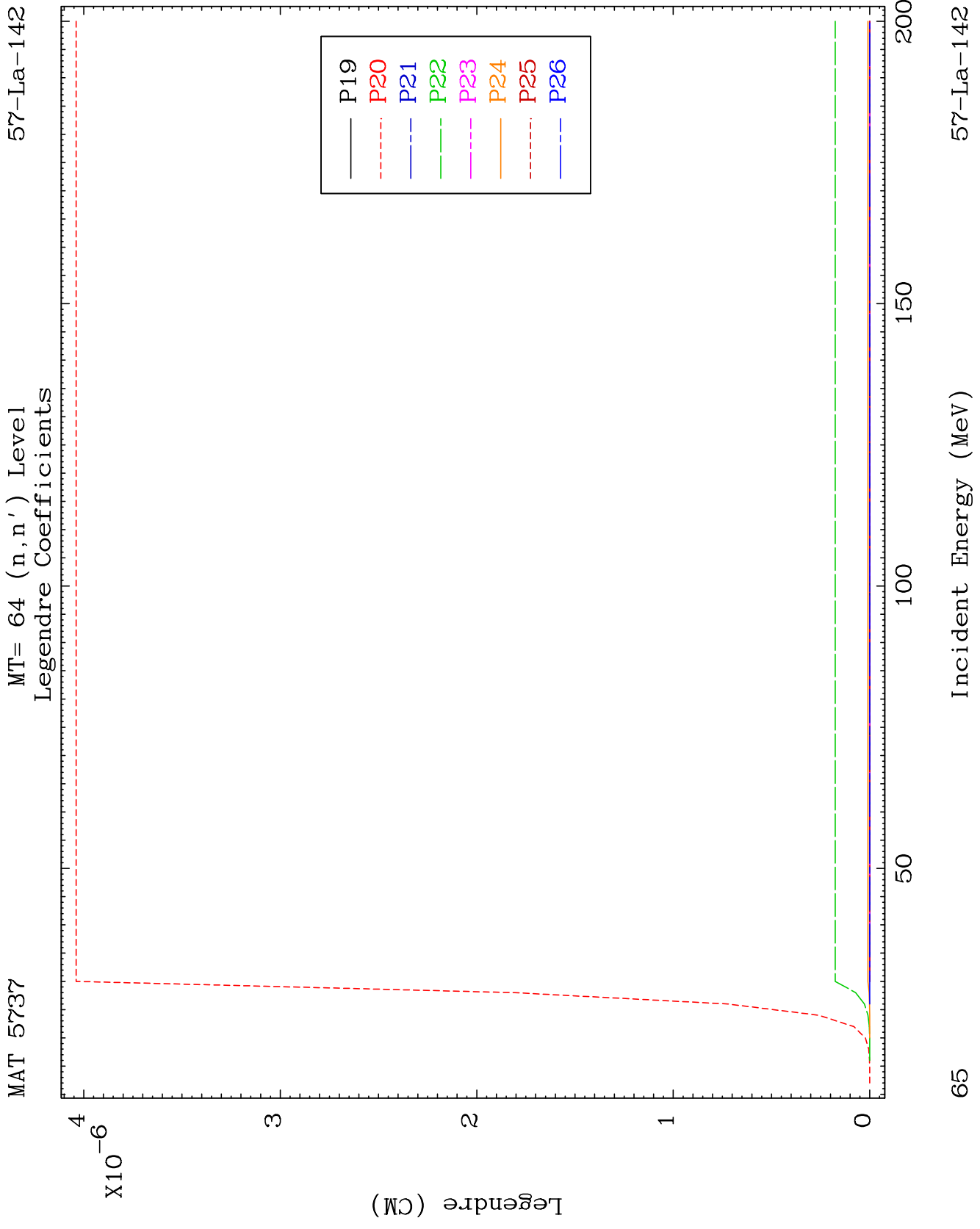


MAT 5737

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

57-La-142

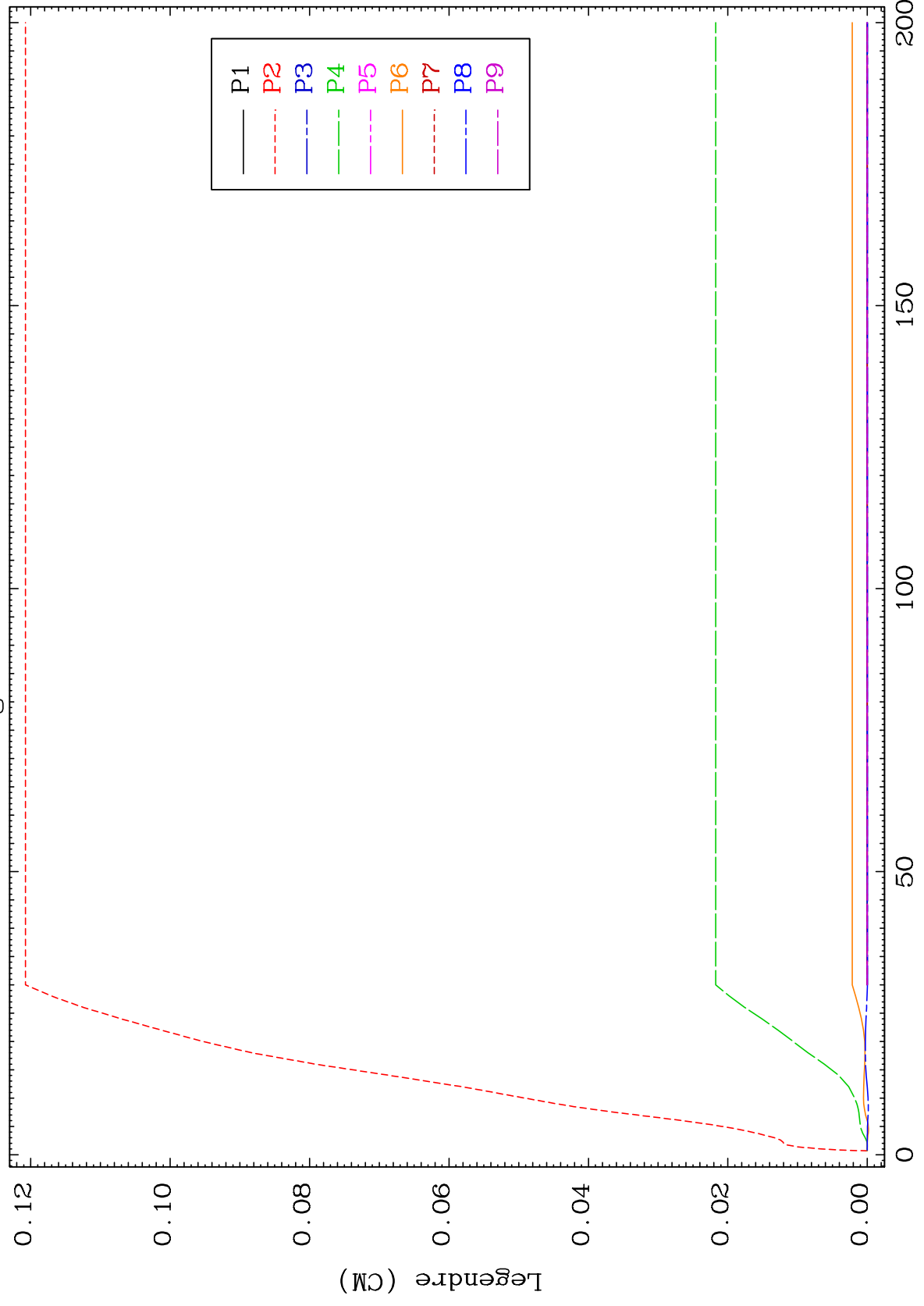




MAT 5737

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

57-La-142



66

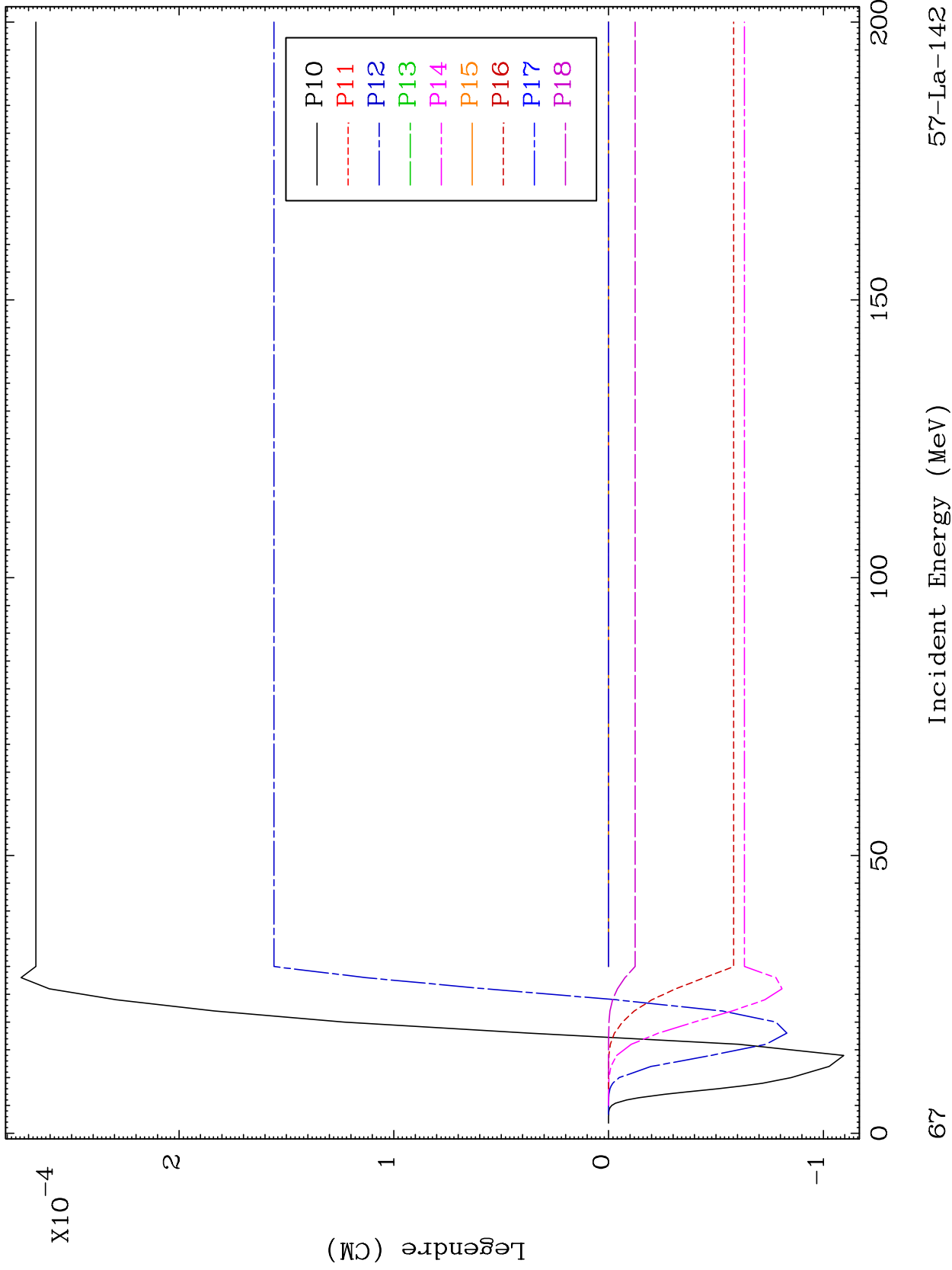
Incident Energy (MeV)

57-La-142

MAT 5737

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

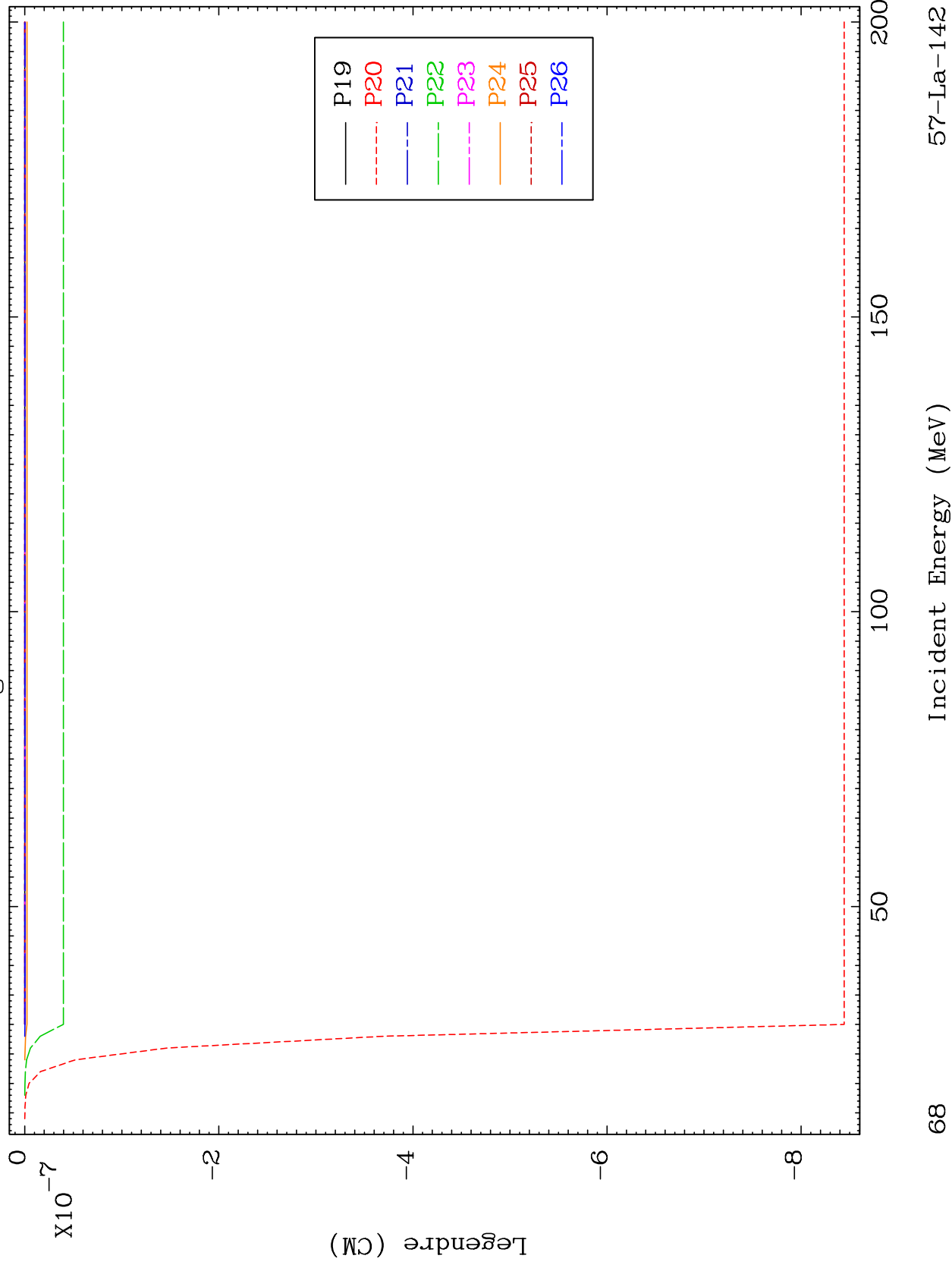
57-La-142



MAT 5737

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

57-La-142



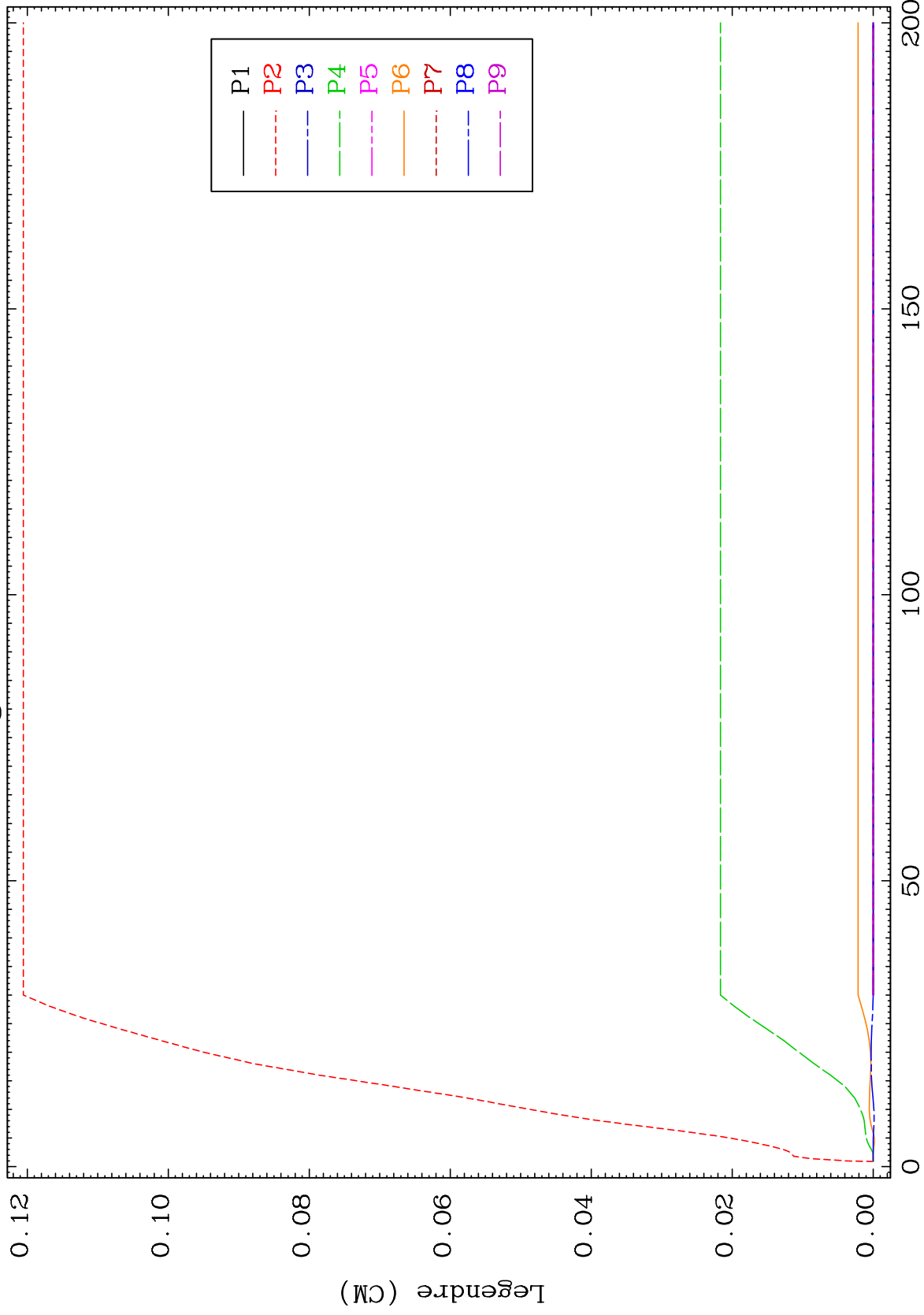
68

57-La-142

MAT 5737

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

57-La-142



69

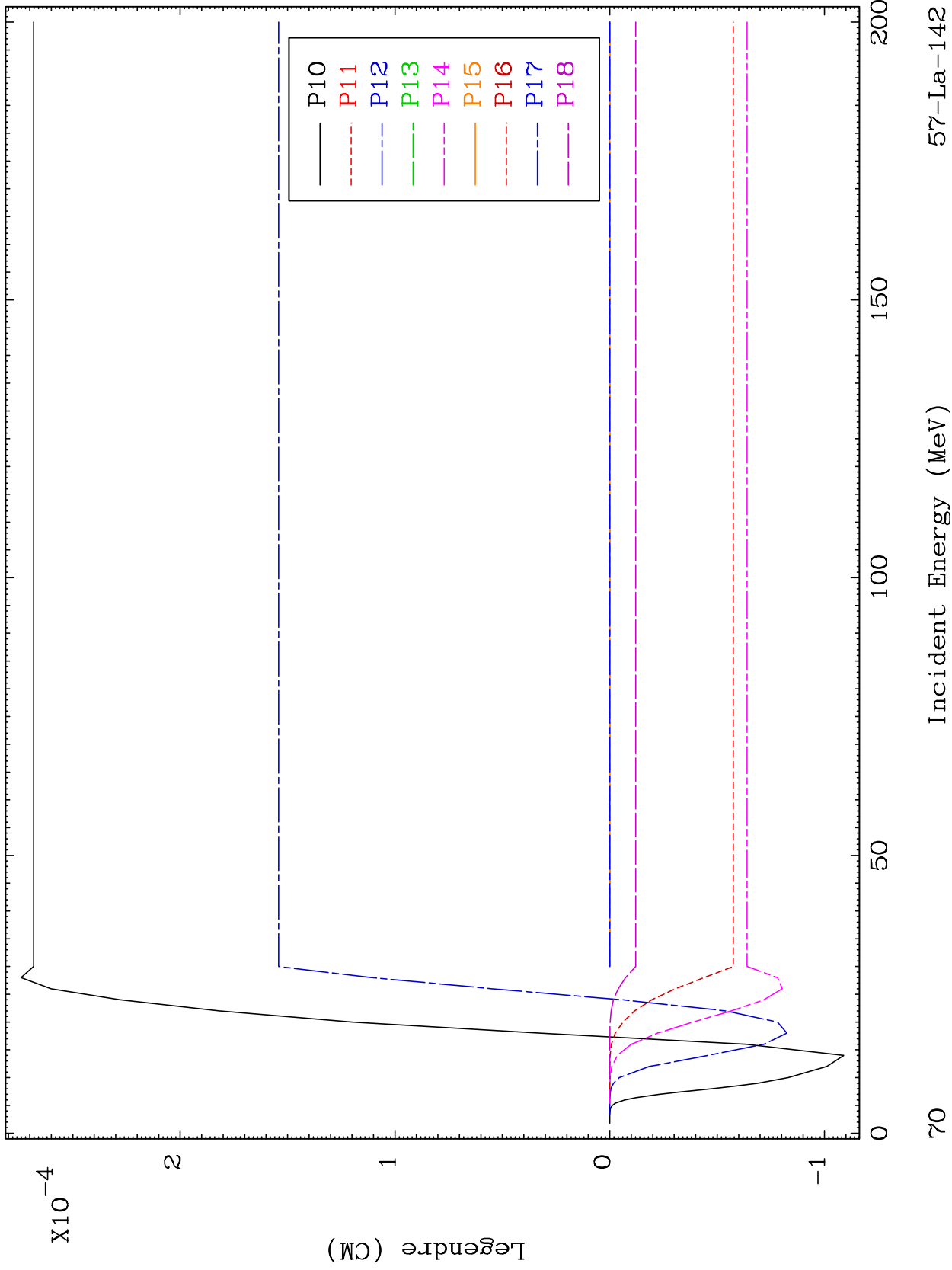
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



57-La-142

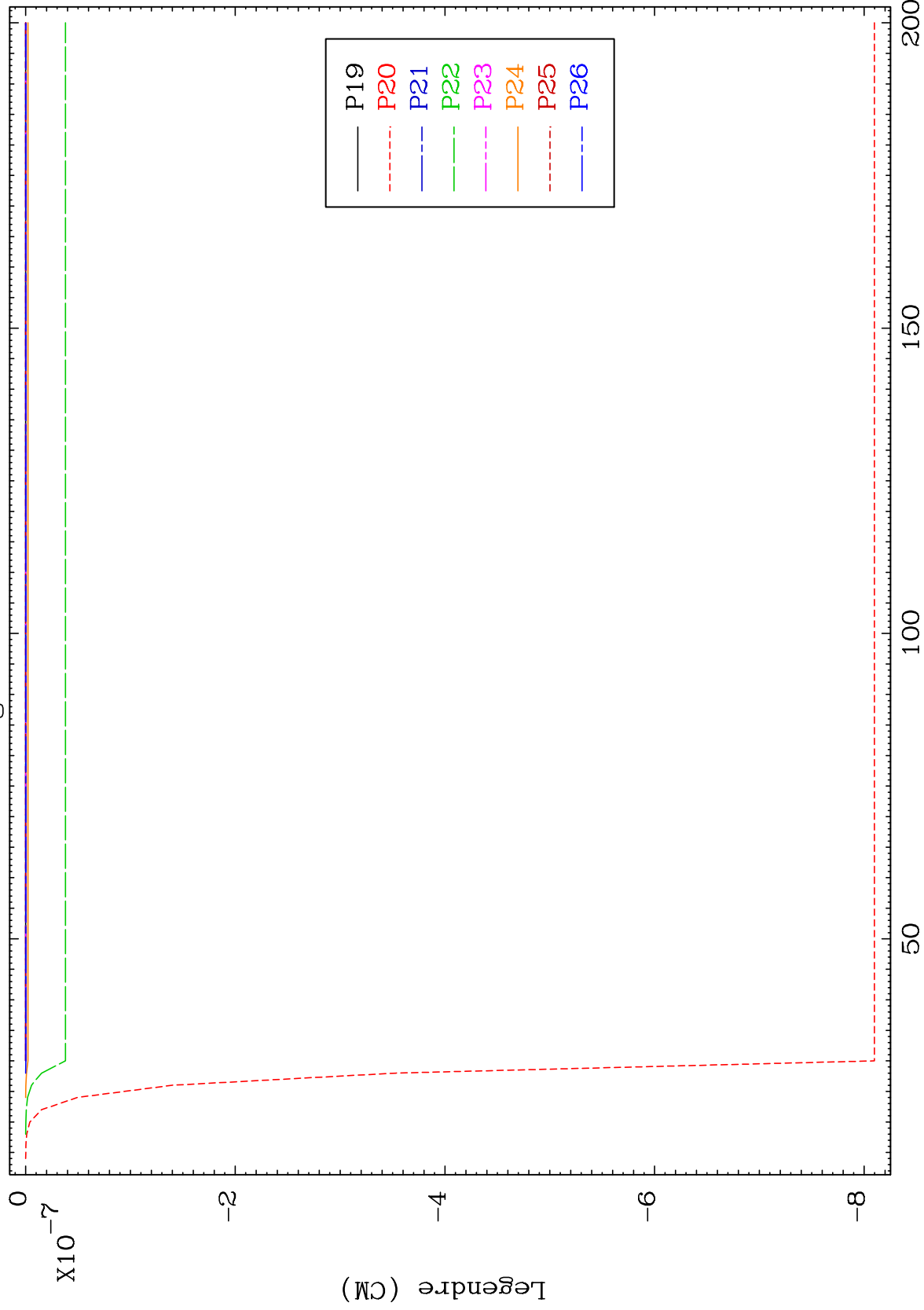
Incident Energy (MeV)

70

MAT 5737

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

57-La-142



71

Incident Energy (MeV)

57-La-142

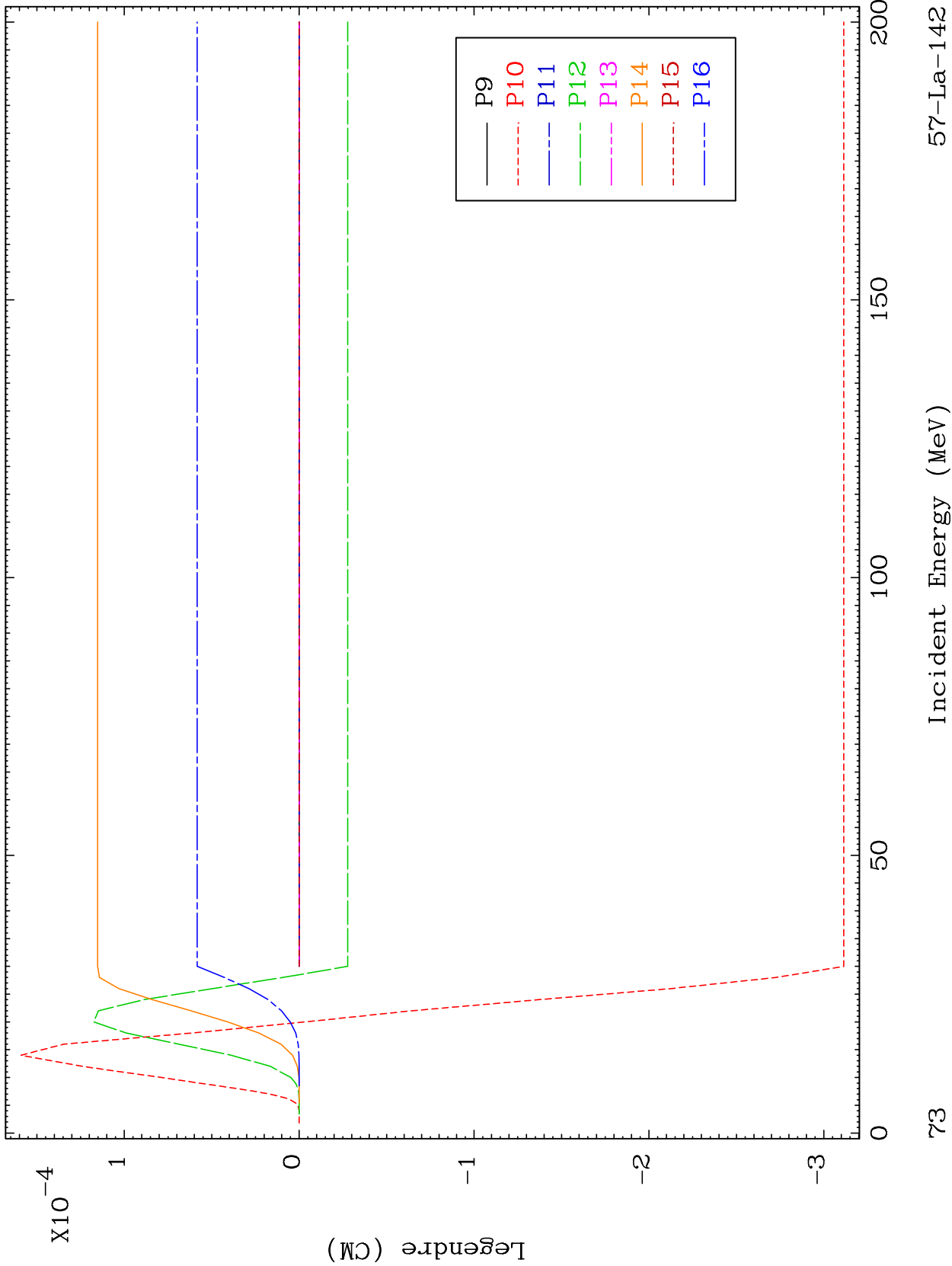




MAT 5737

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

57-La-142



57-La-142

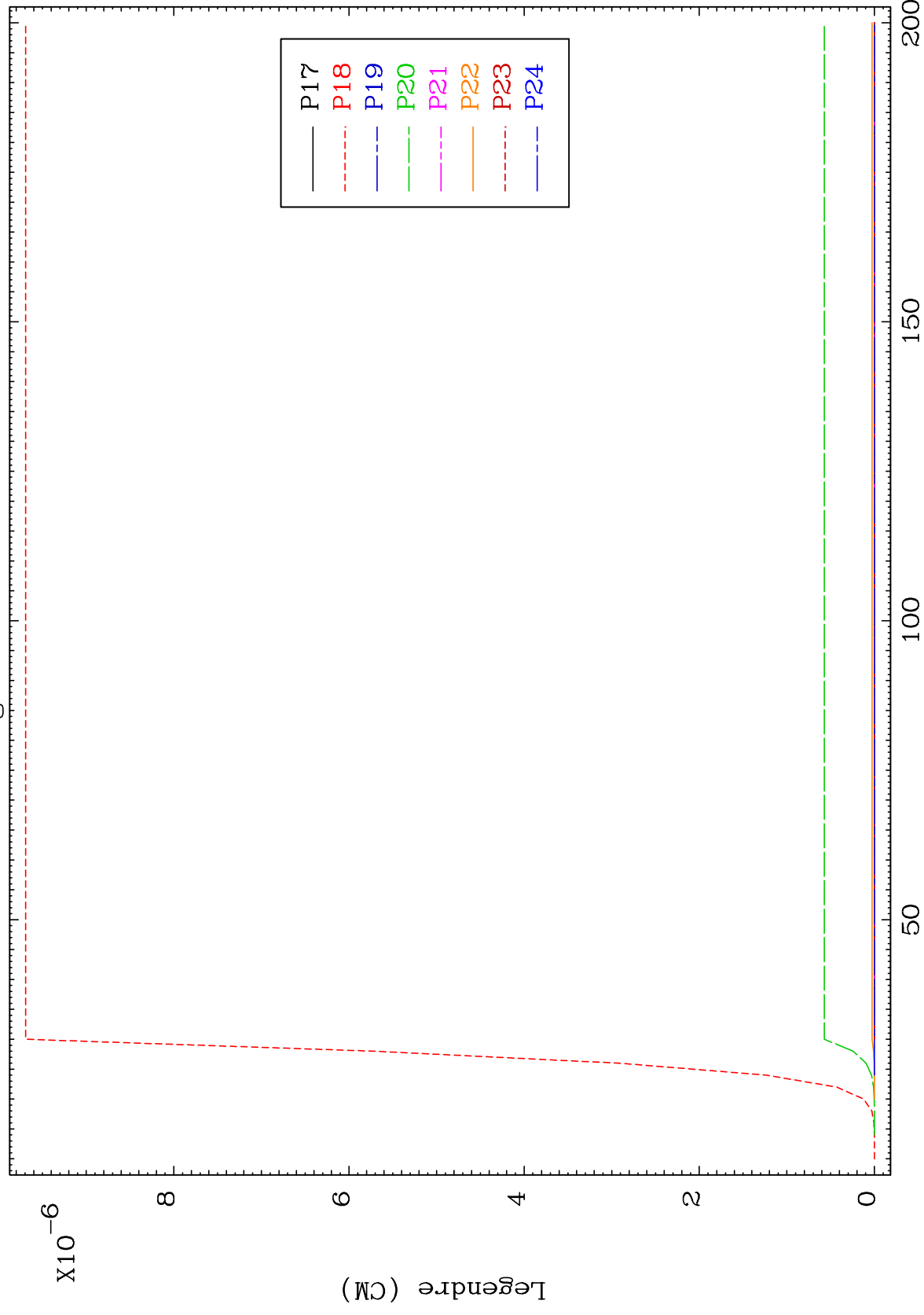
Incident Energy (MeV)

73

MAT 5737

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

57-La-142



74

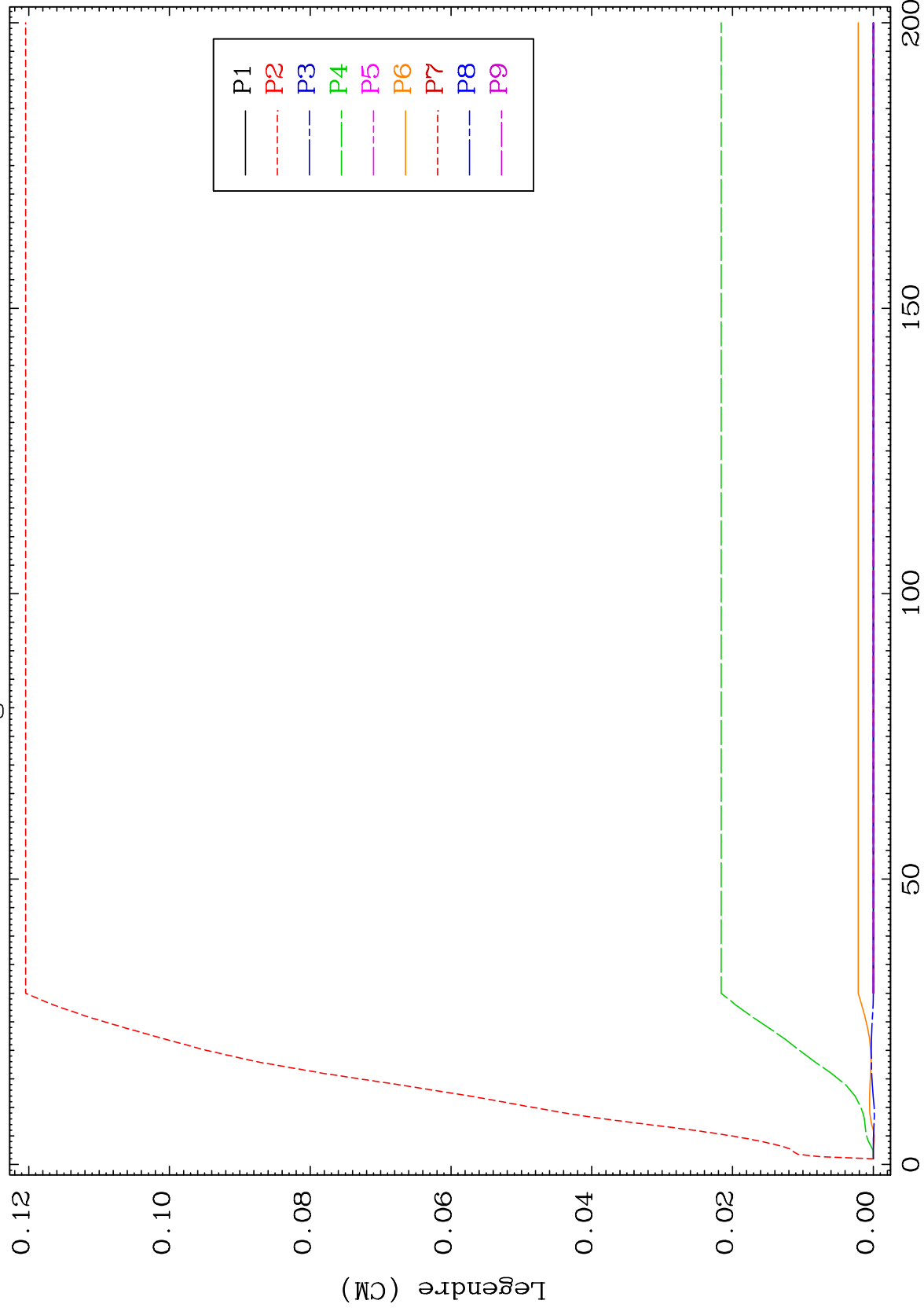
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



75

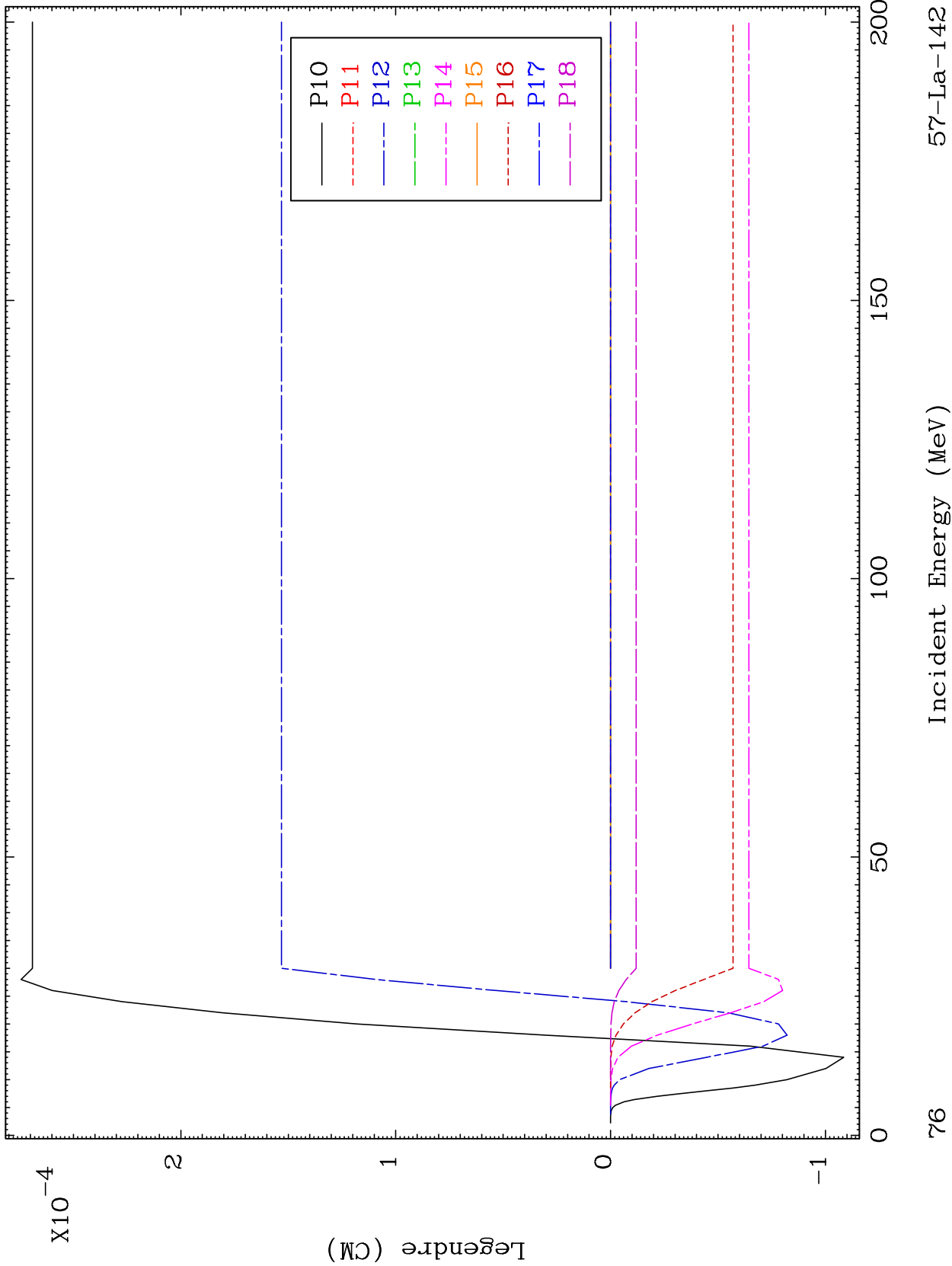
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



57-La-142

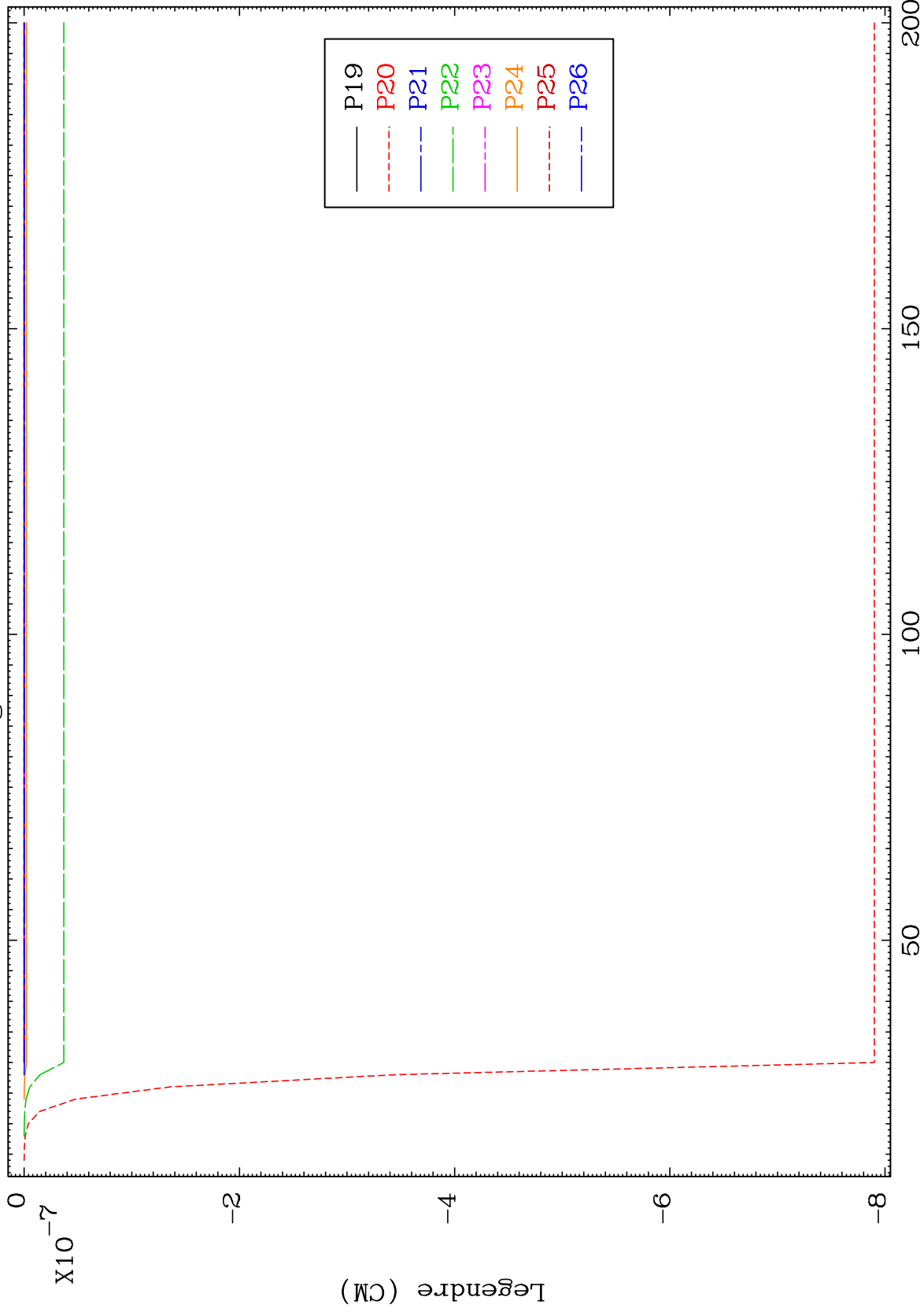
Incident Energy (MeV)

76

MAT 5737

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

57-La-142



77

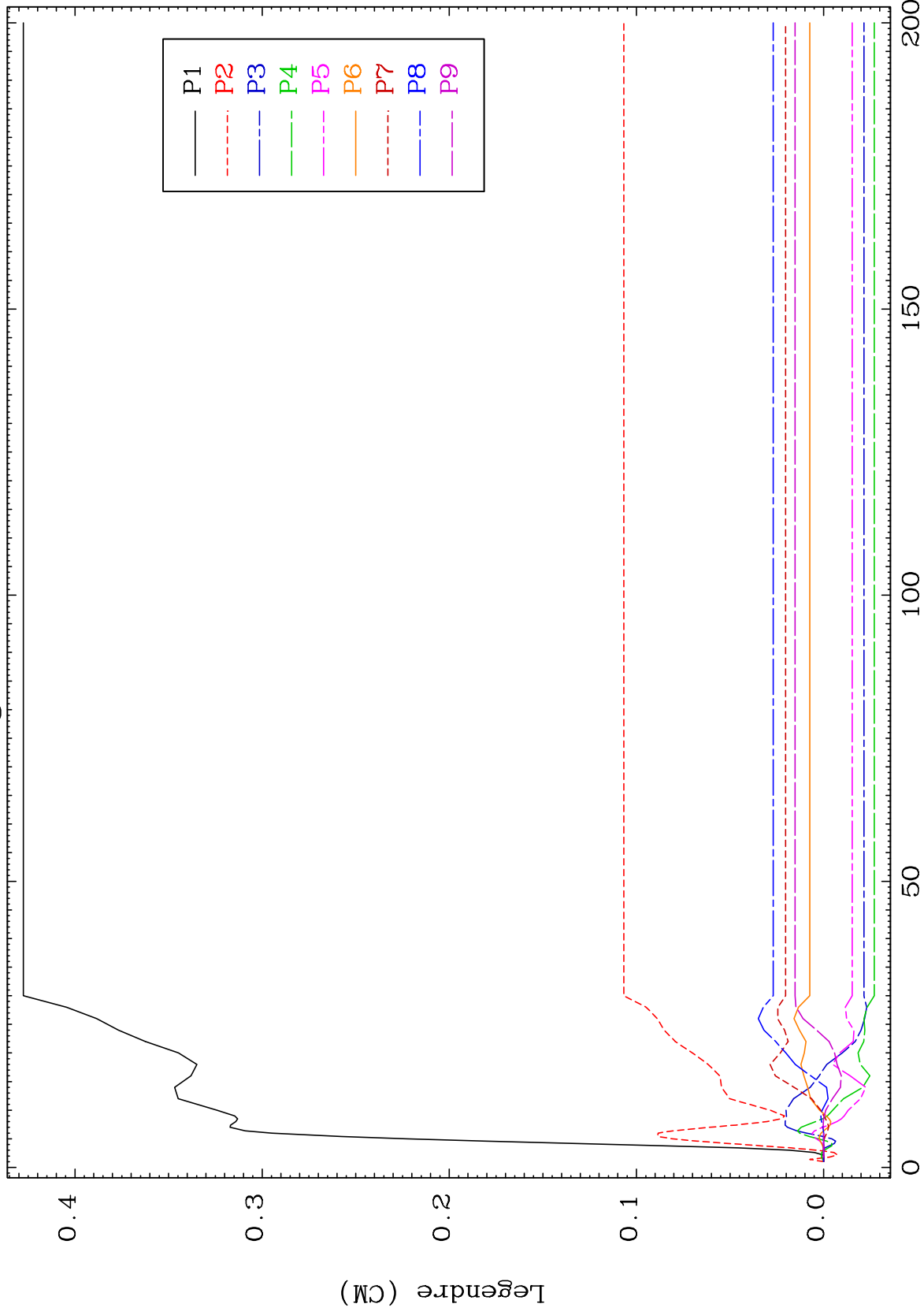
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



78

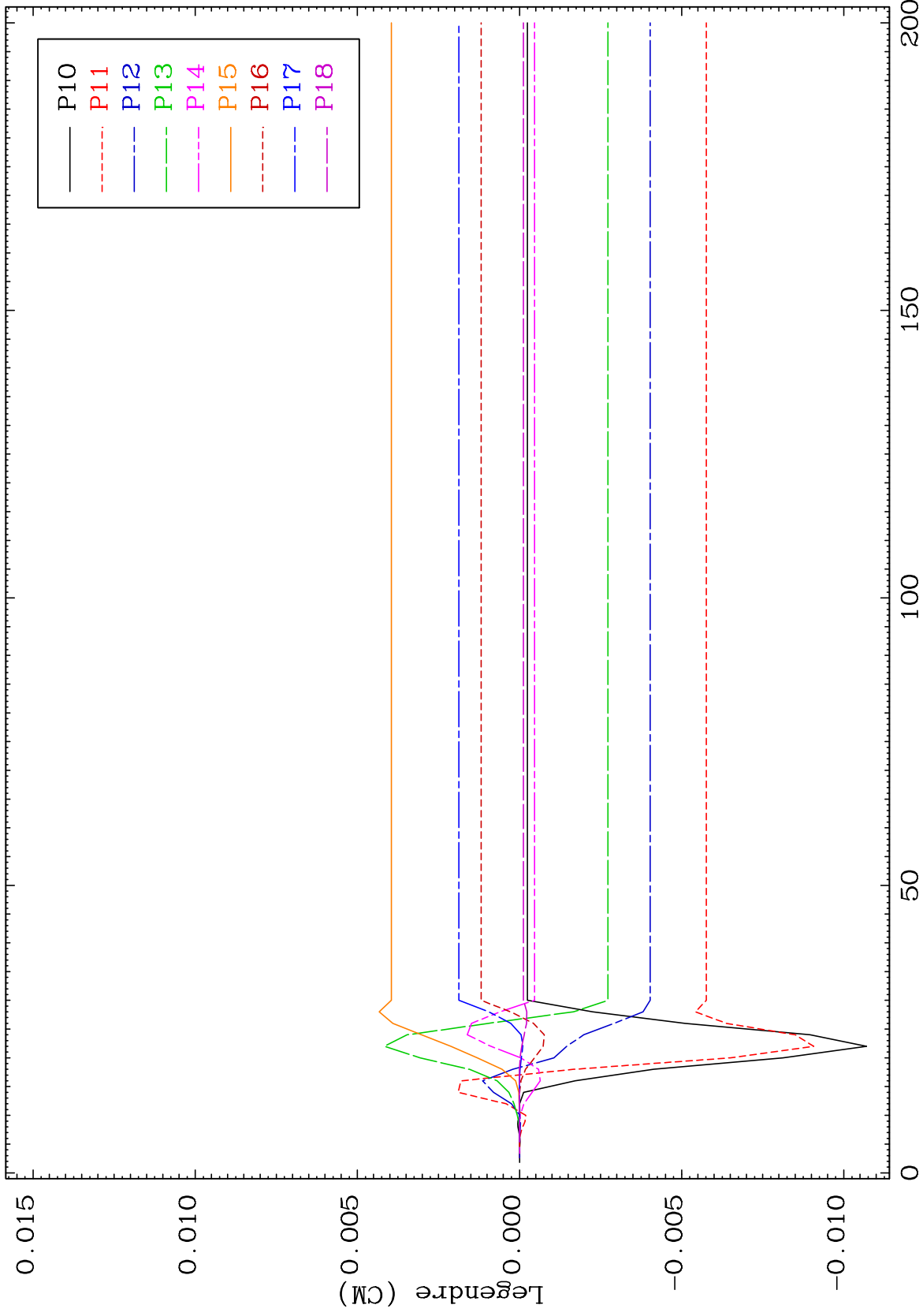
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142

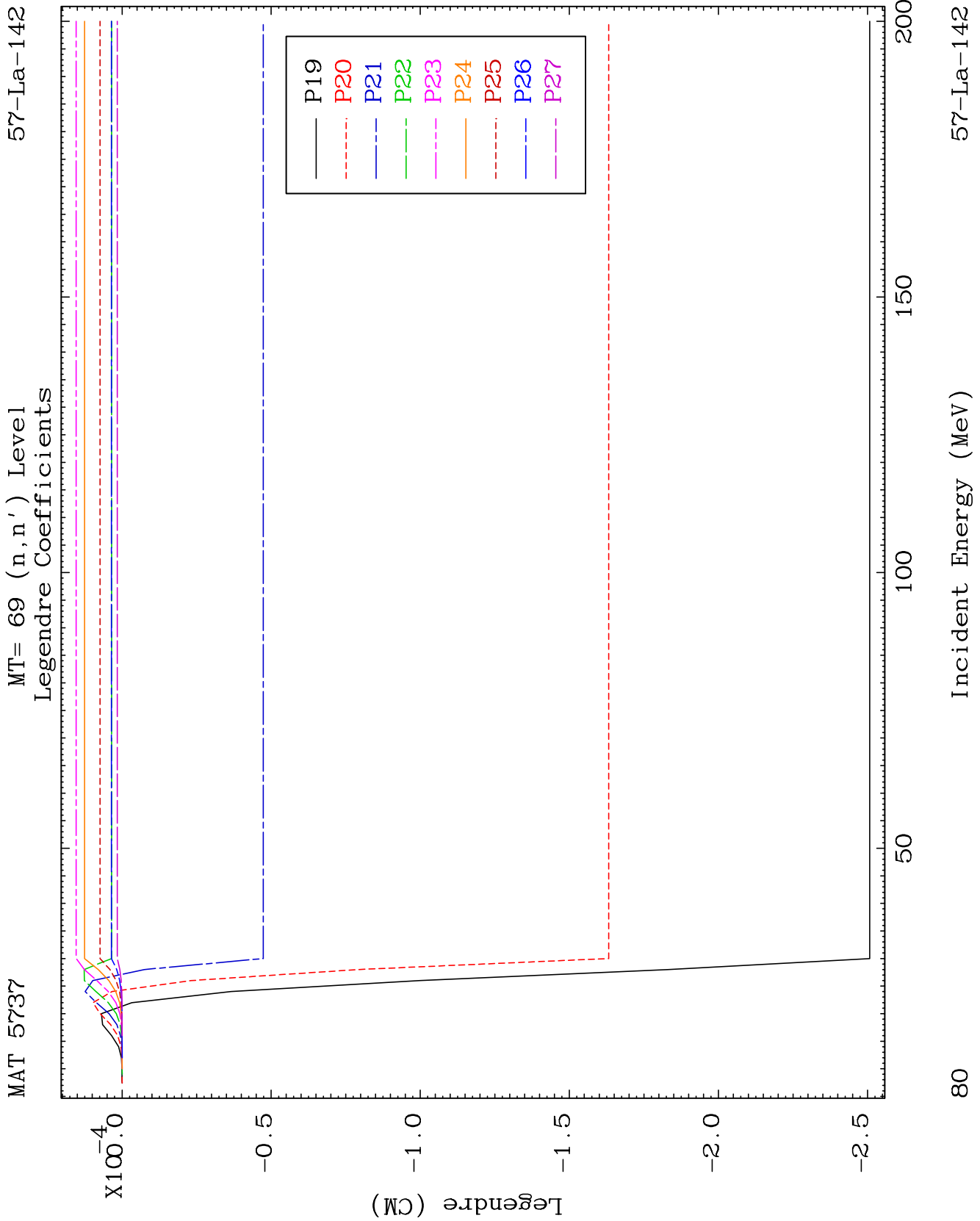


79

Incident Energy (MeV)

57-La-142

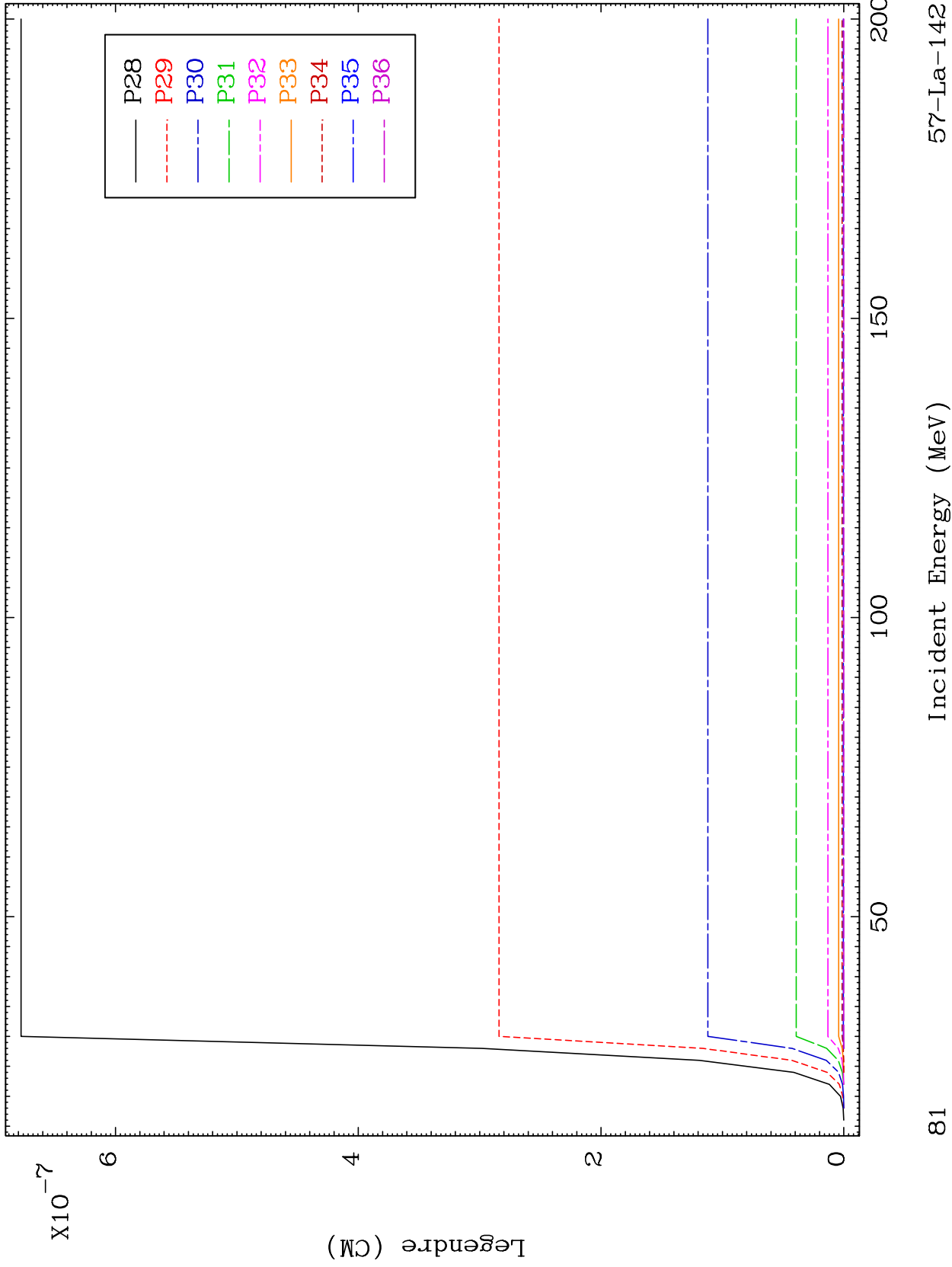




MAT 5737

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

57-La-142



81

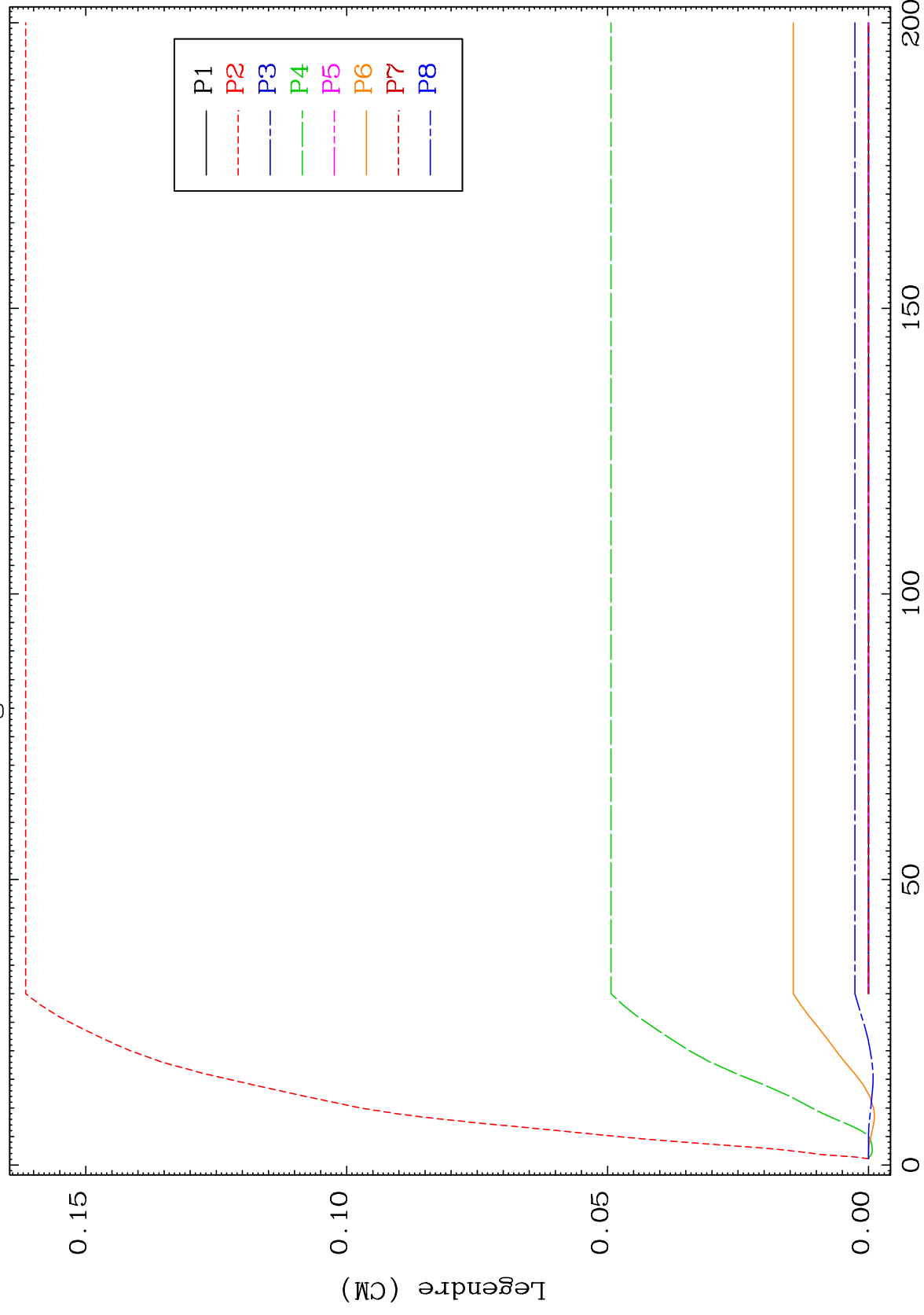
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



82

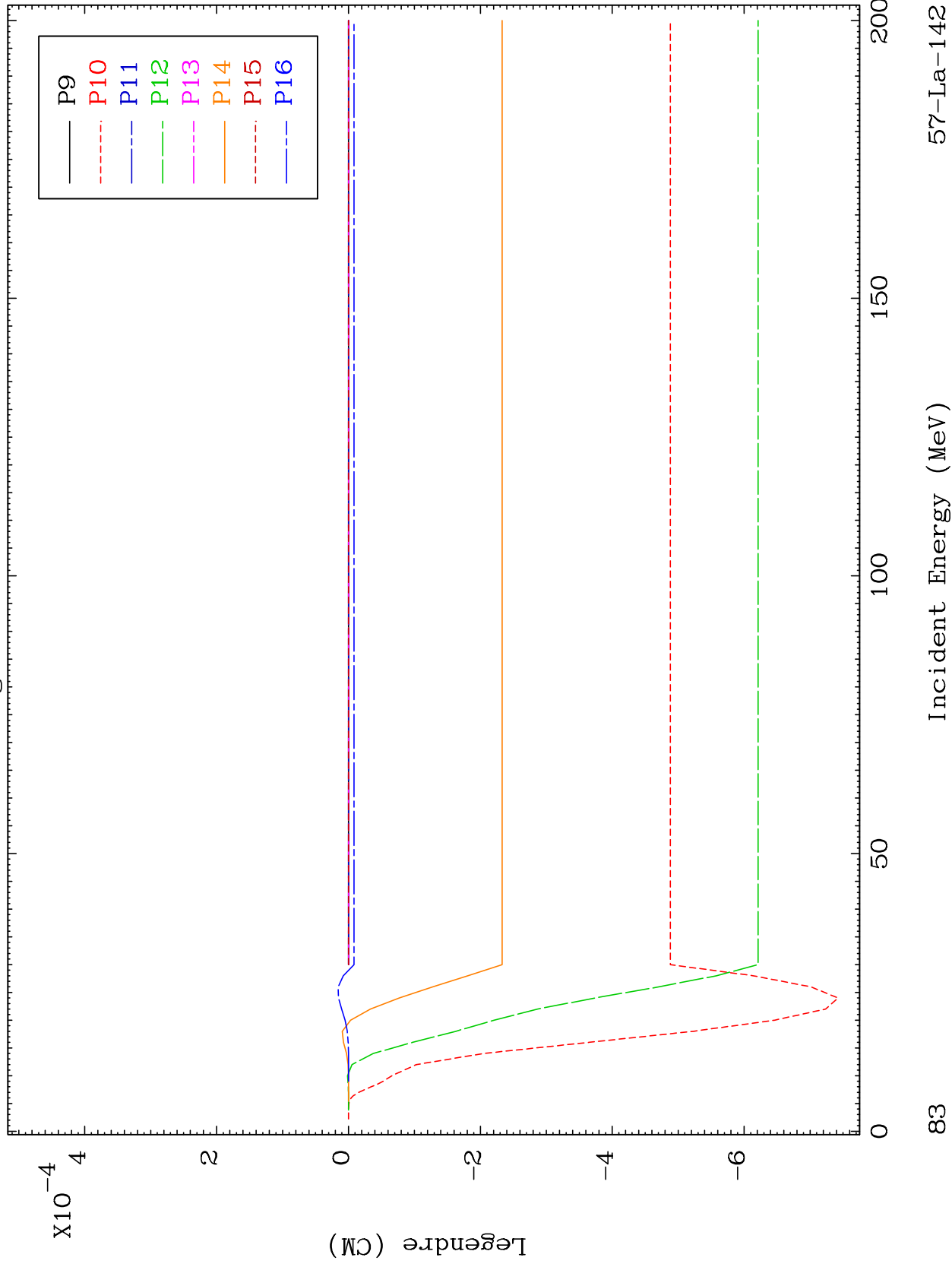
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142





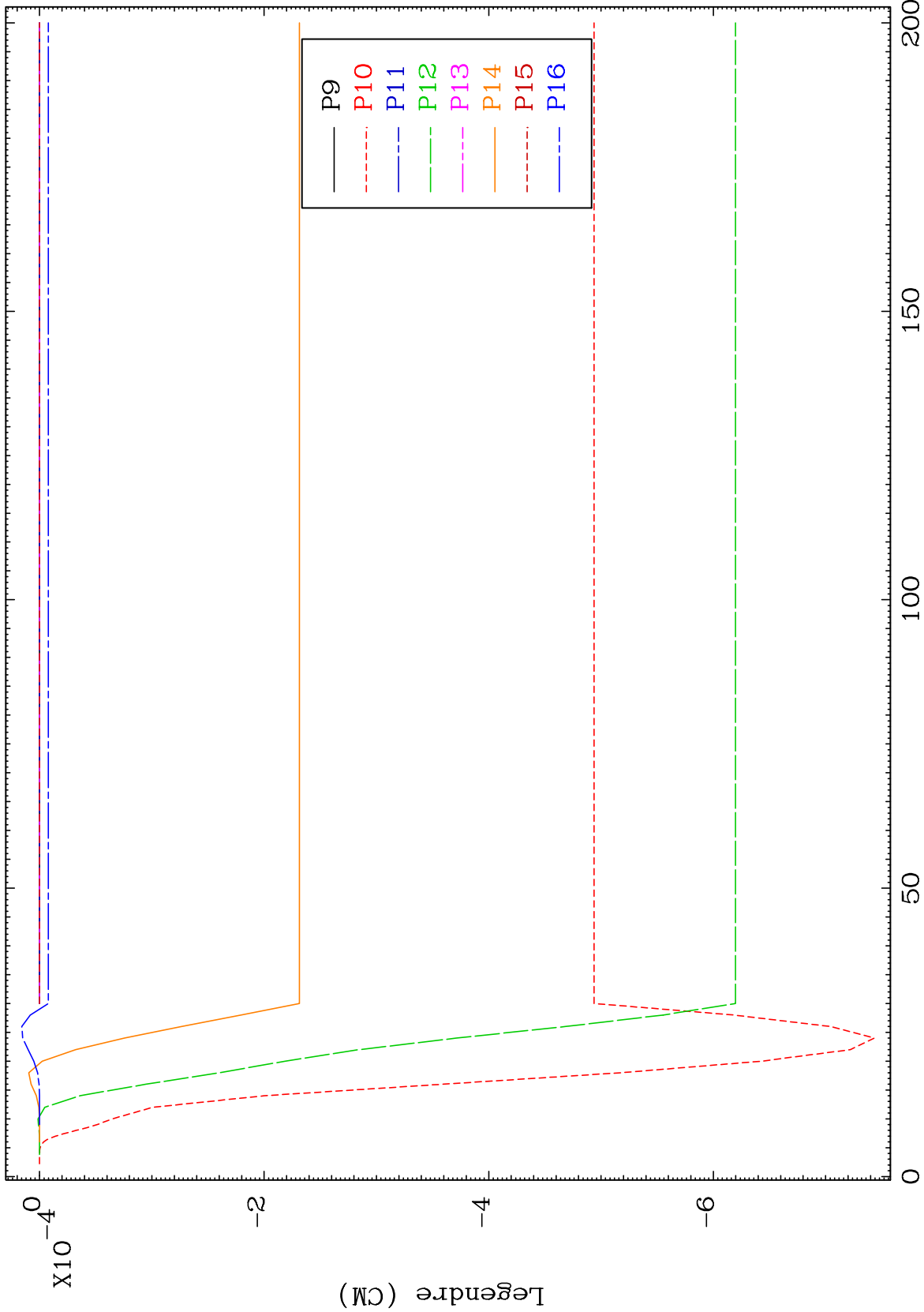


MAT 5737

MT= 71 (n,n') Level

57-La-142

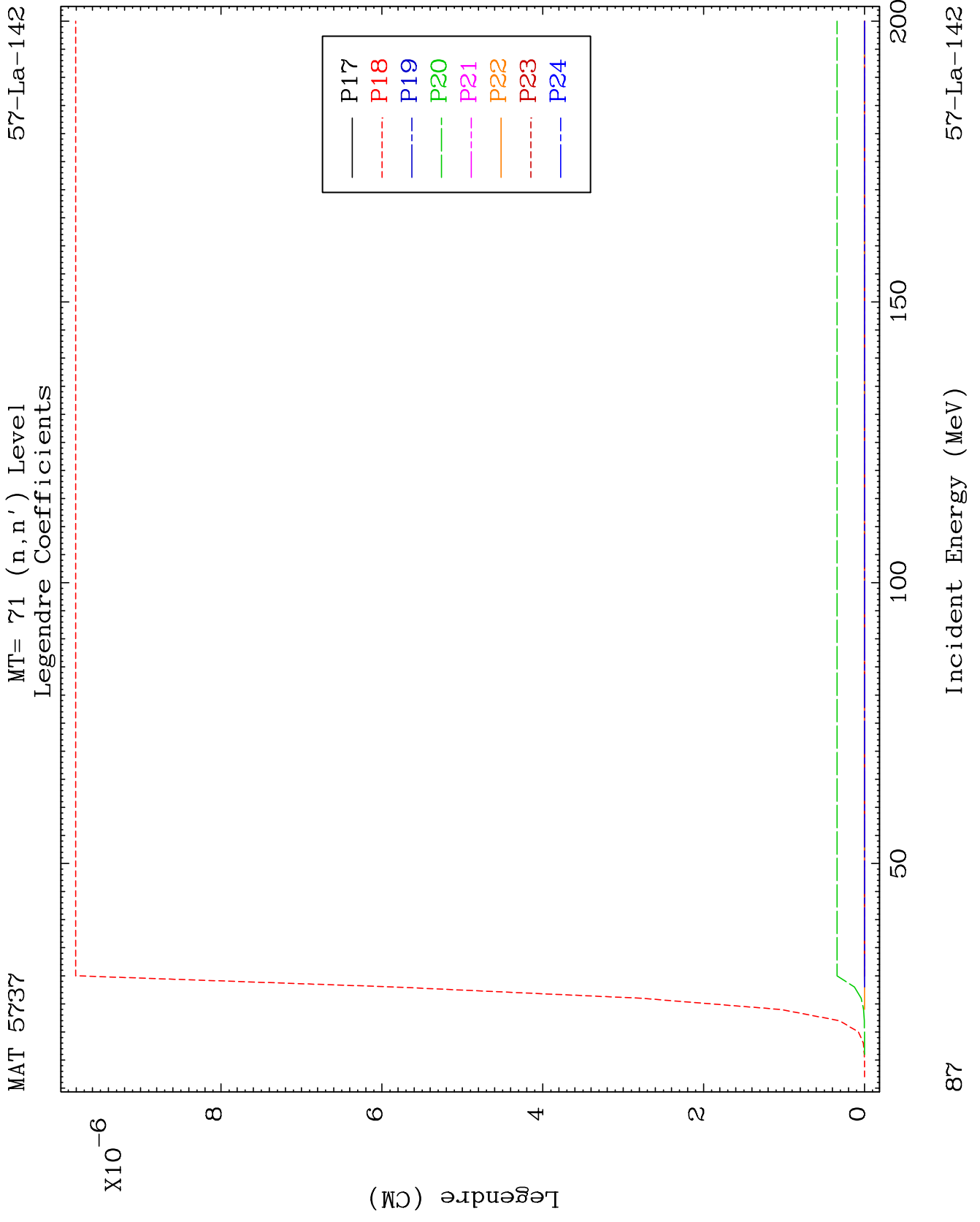
Legendre Coefficients



86

Incident Energy (MeV)

57-La-142

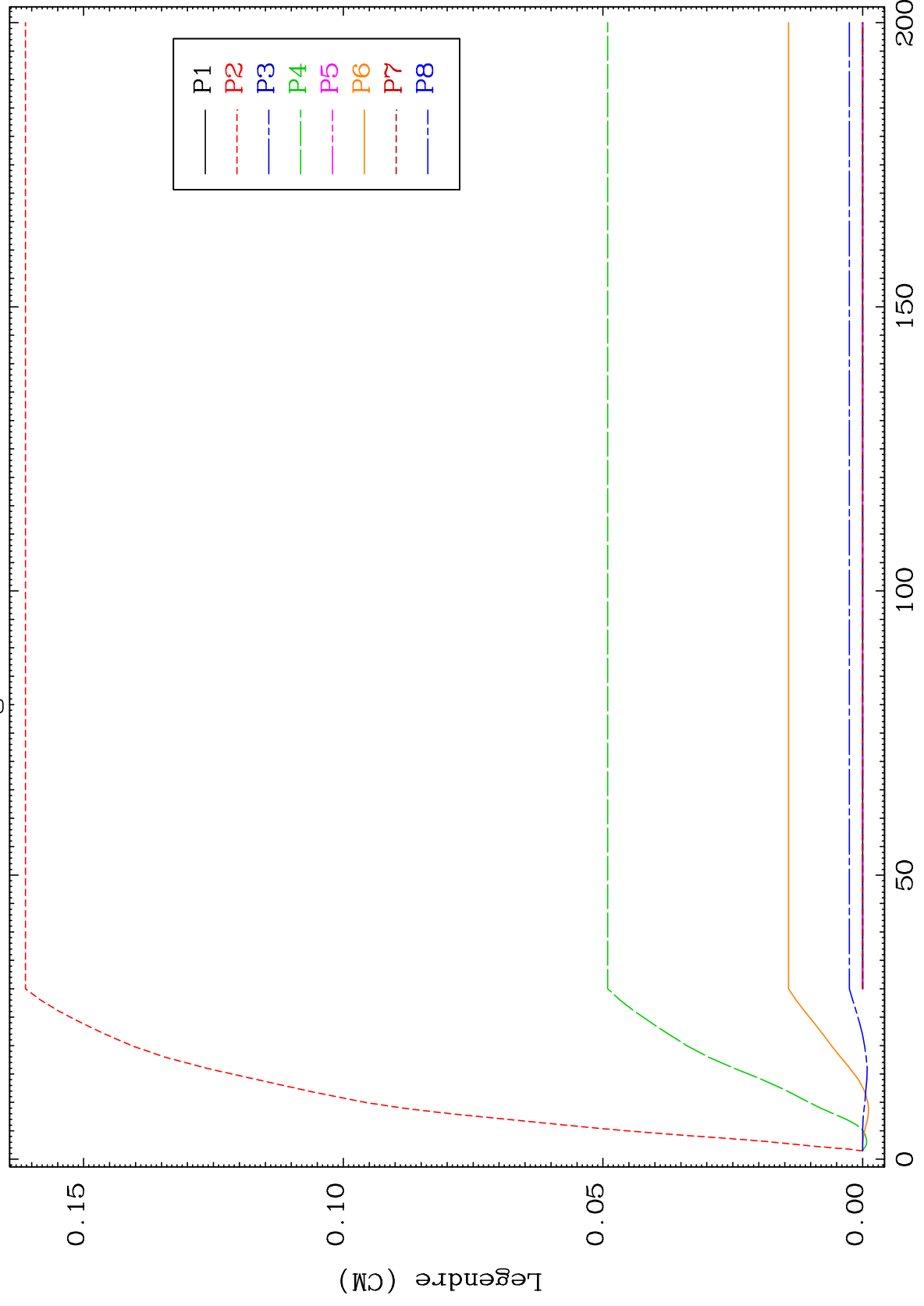




MAT 5737

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

57-La-142



88

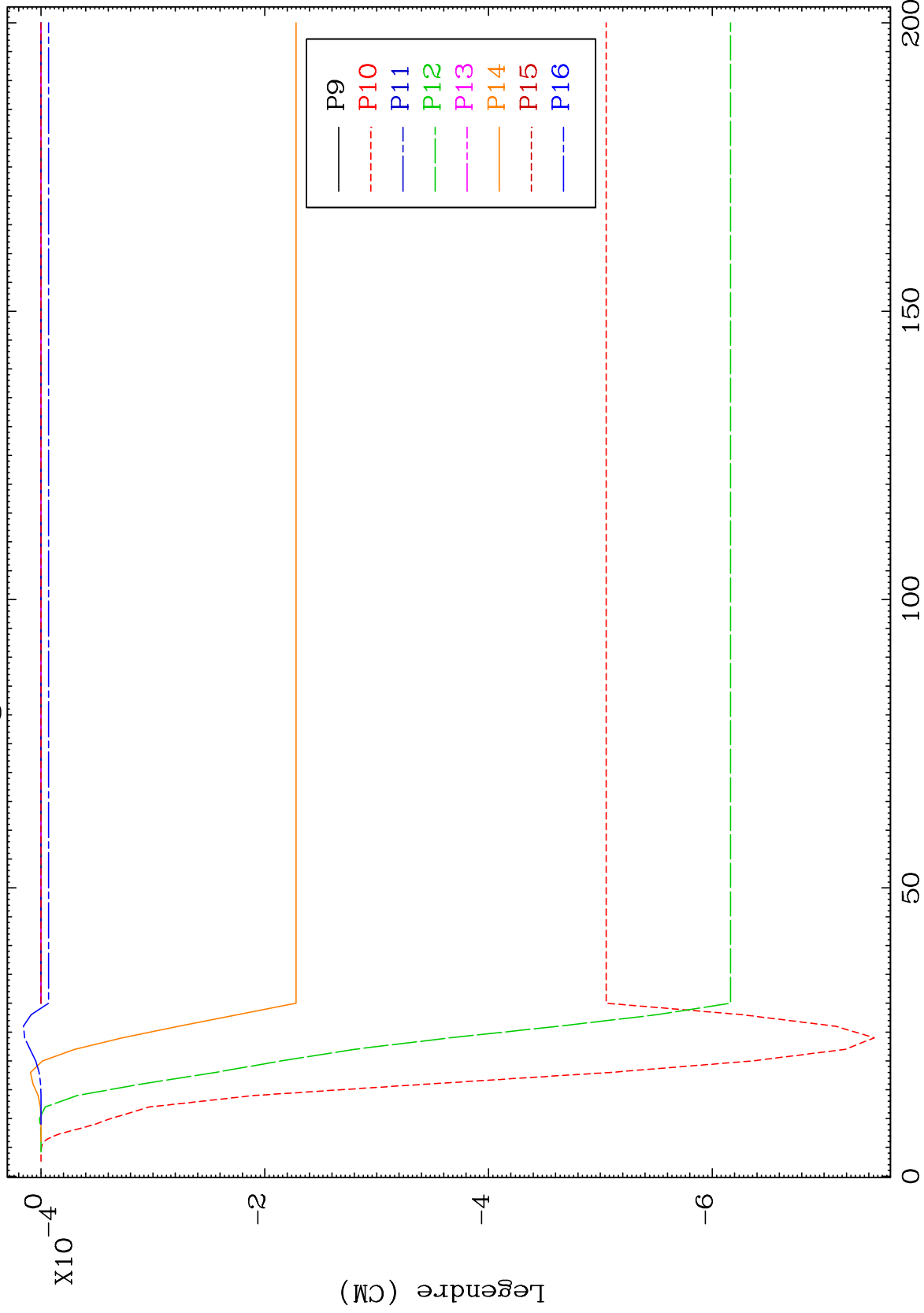
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



89

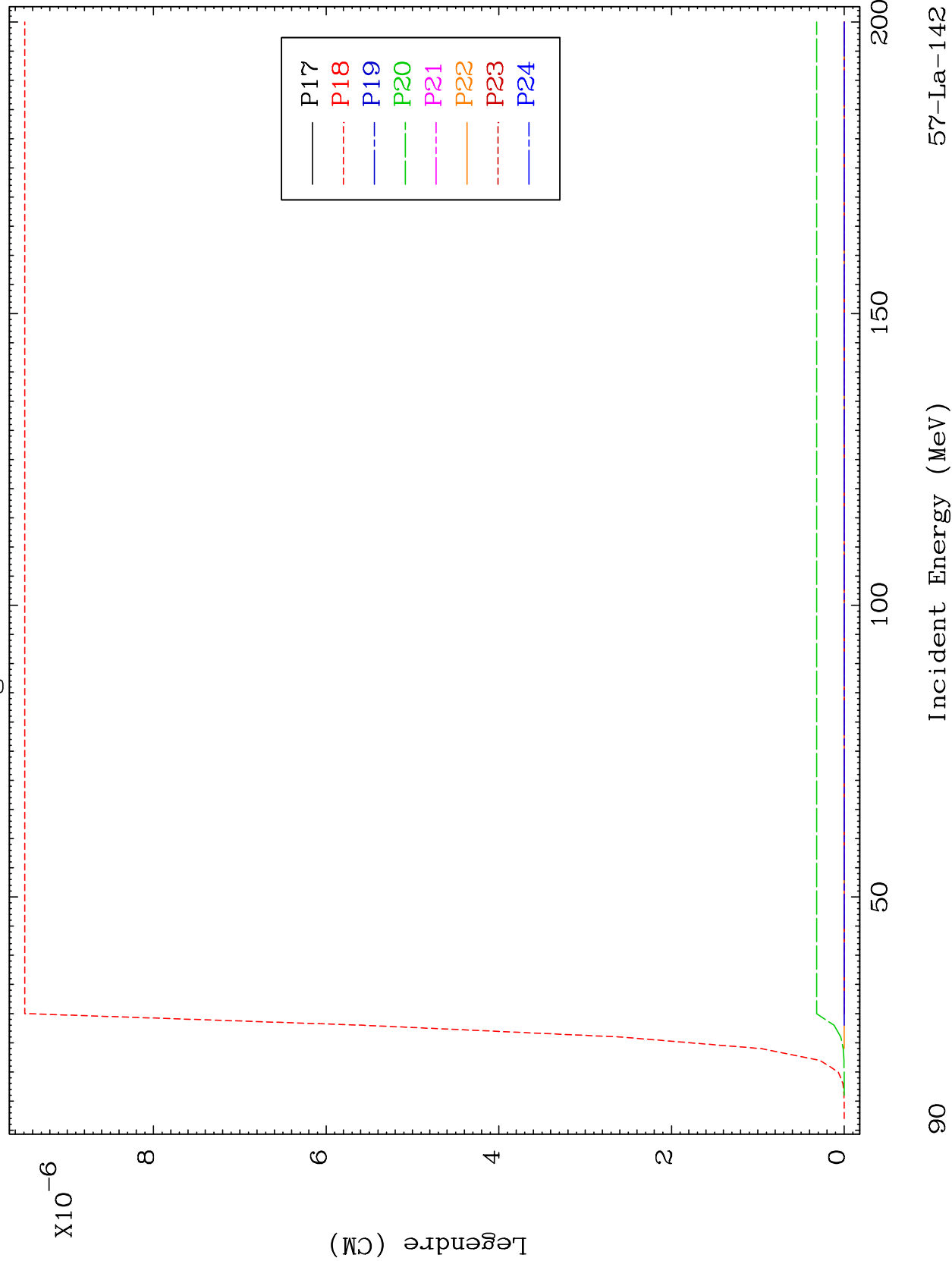
Incident Energy (MeV)

57-La-142

MAT 5737

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

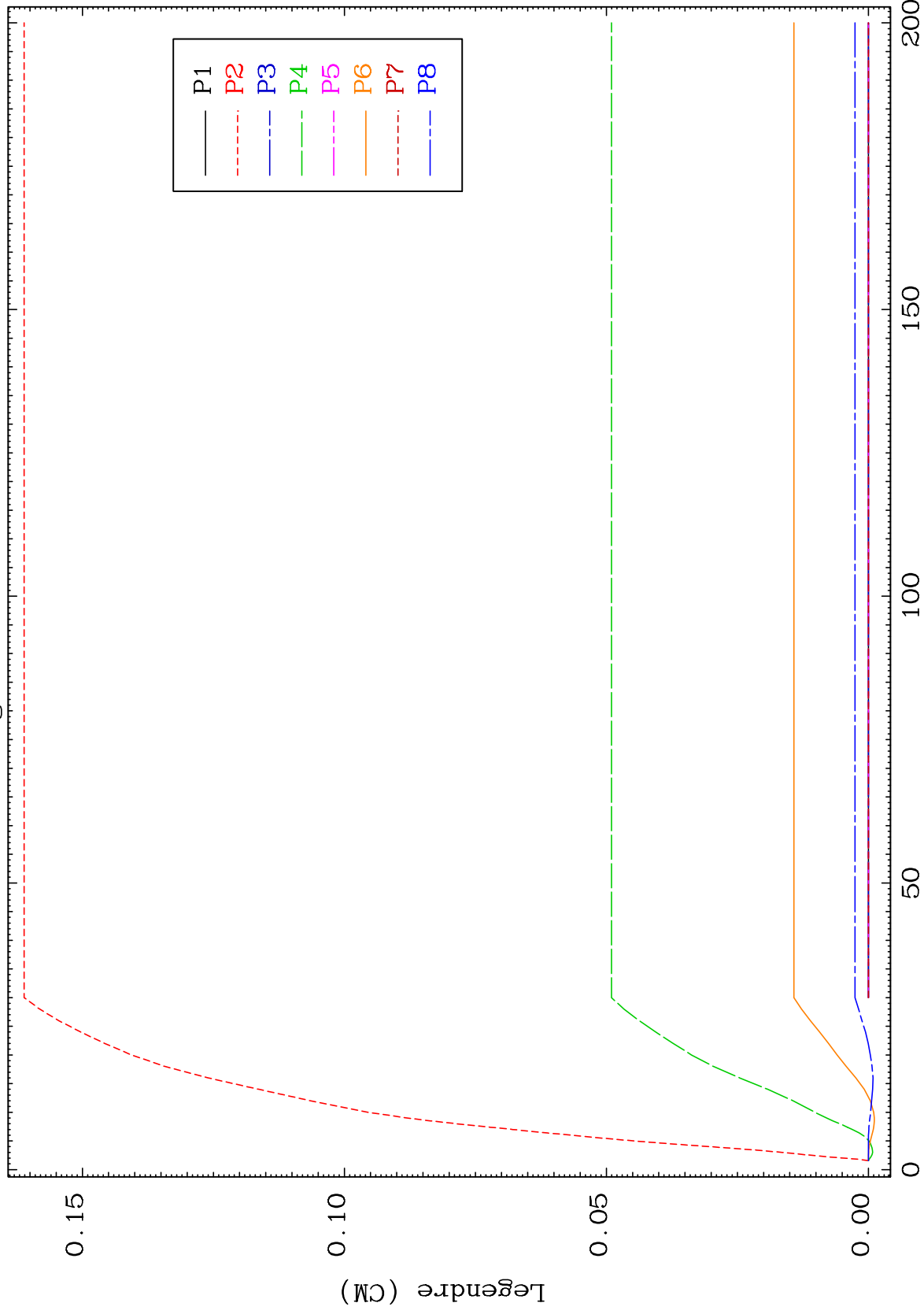
57-La-142



MAT 5737

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

57-La-142



91

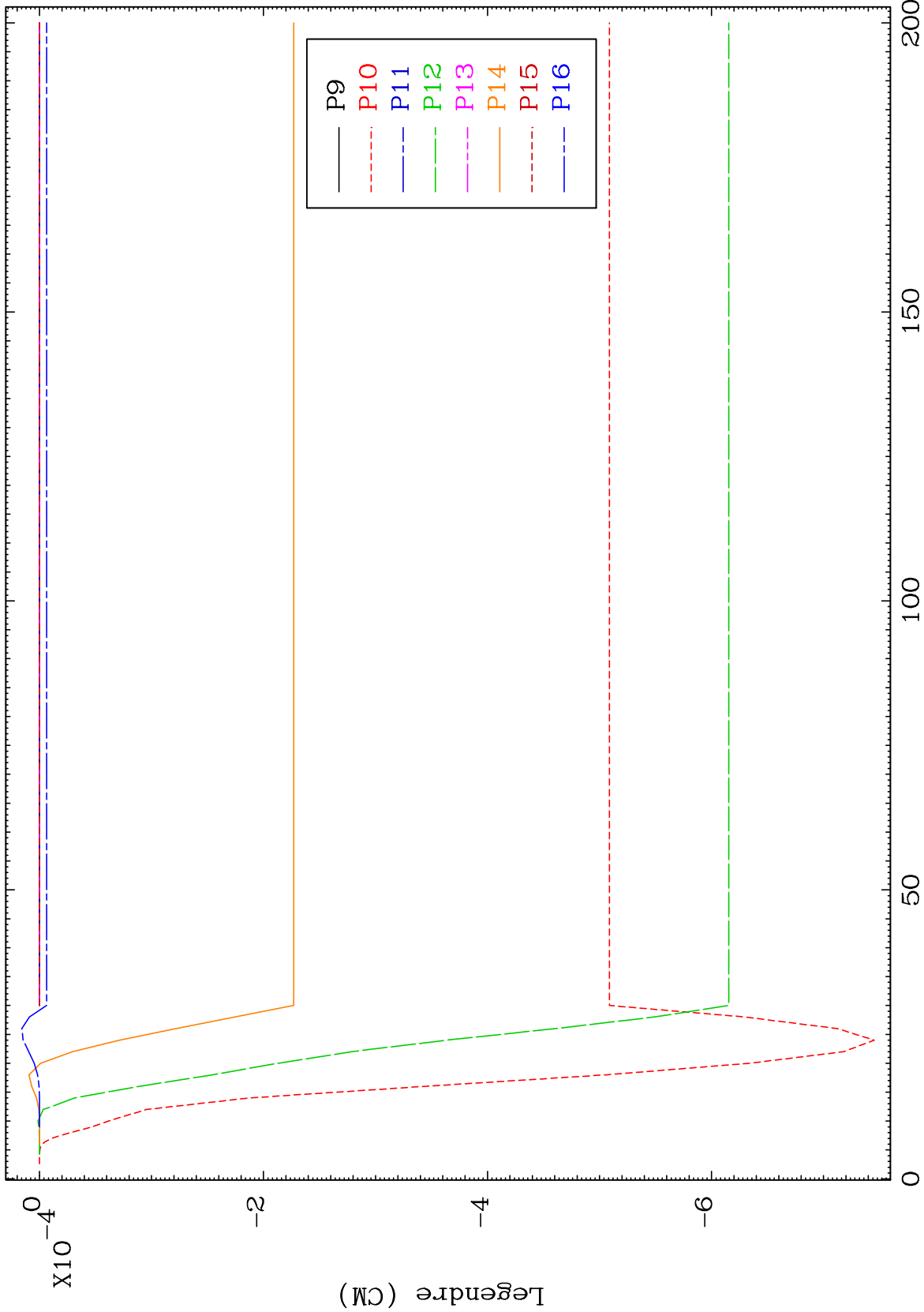
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



92

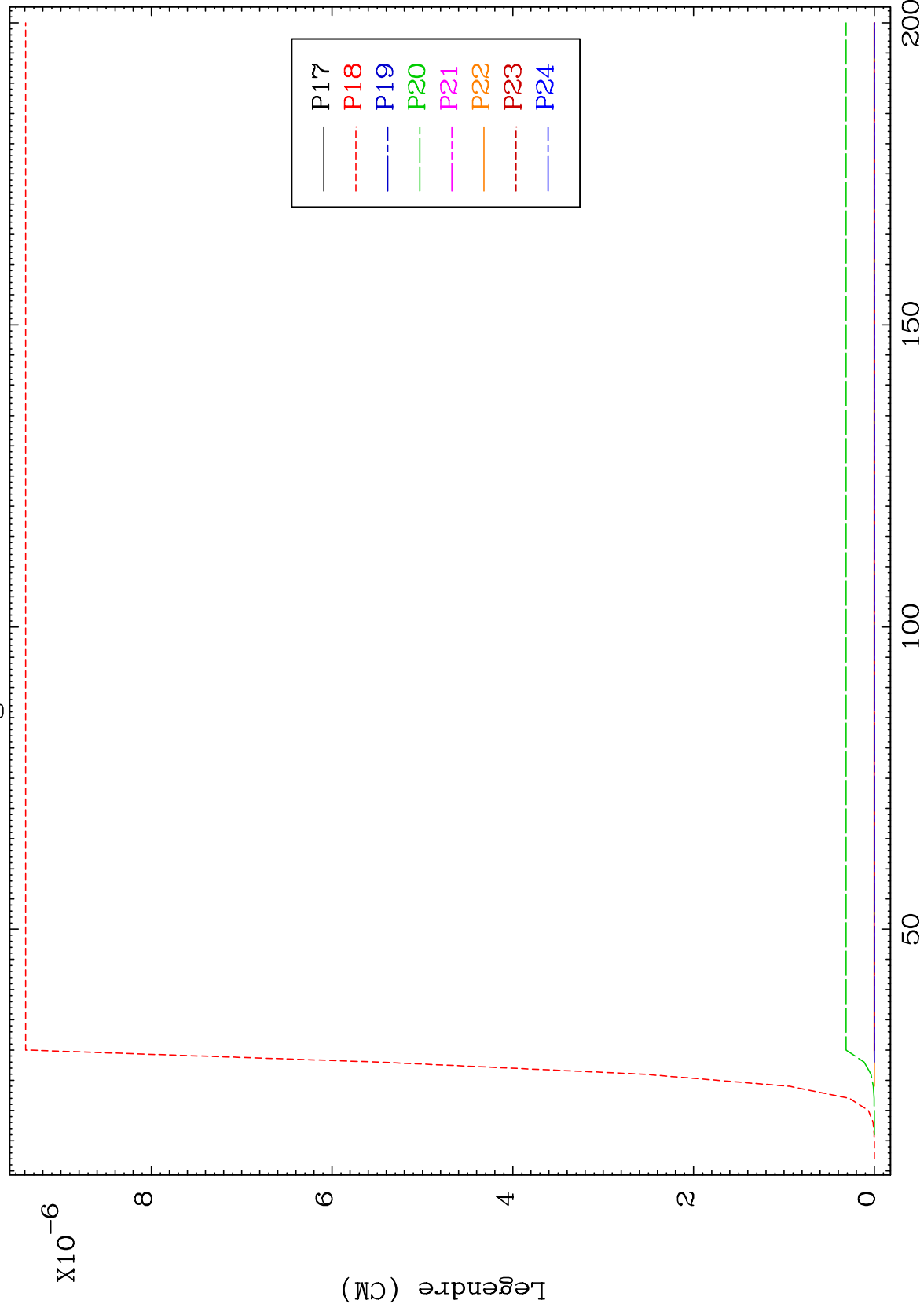
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



93

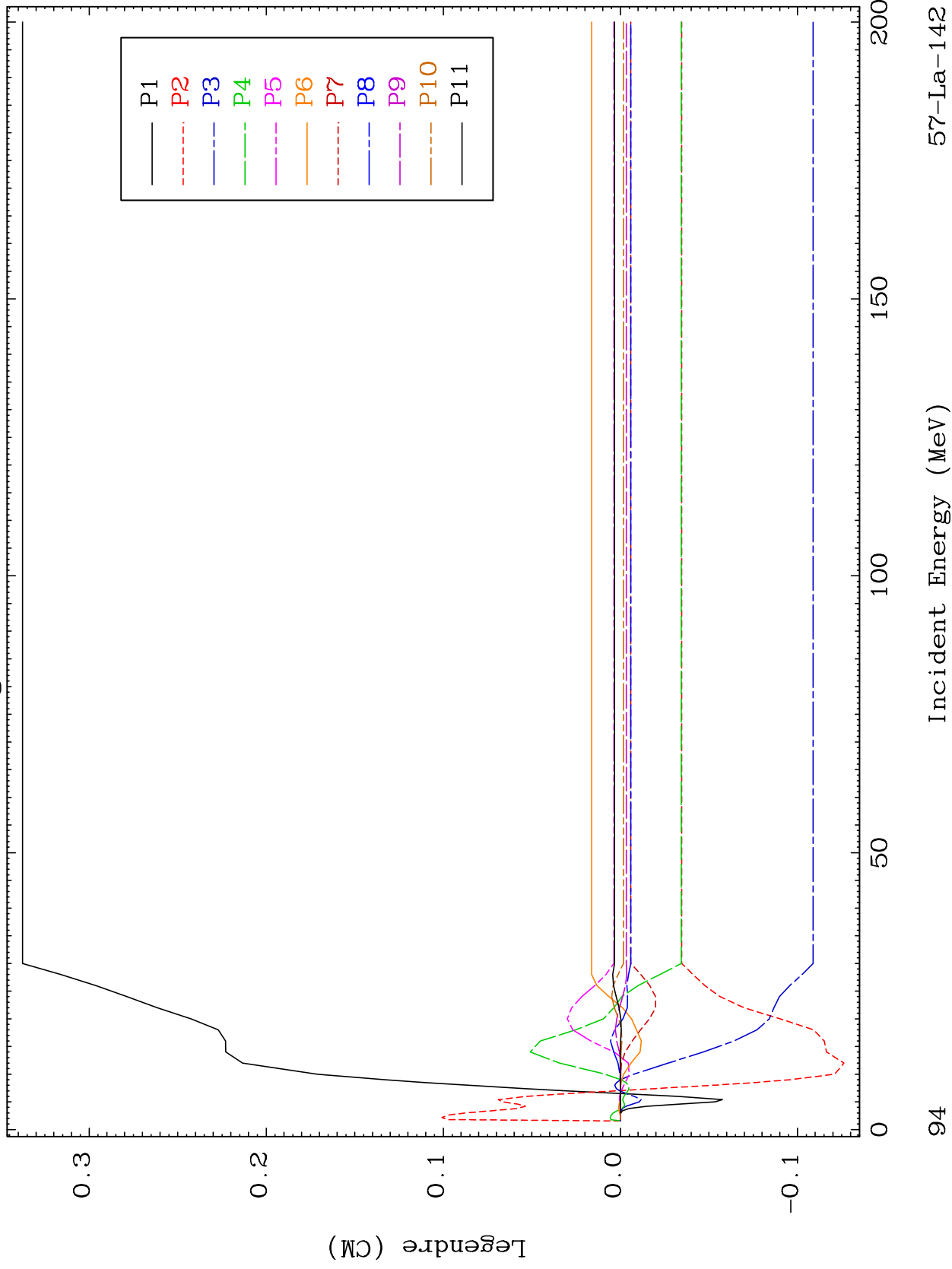
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



57-La-142

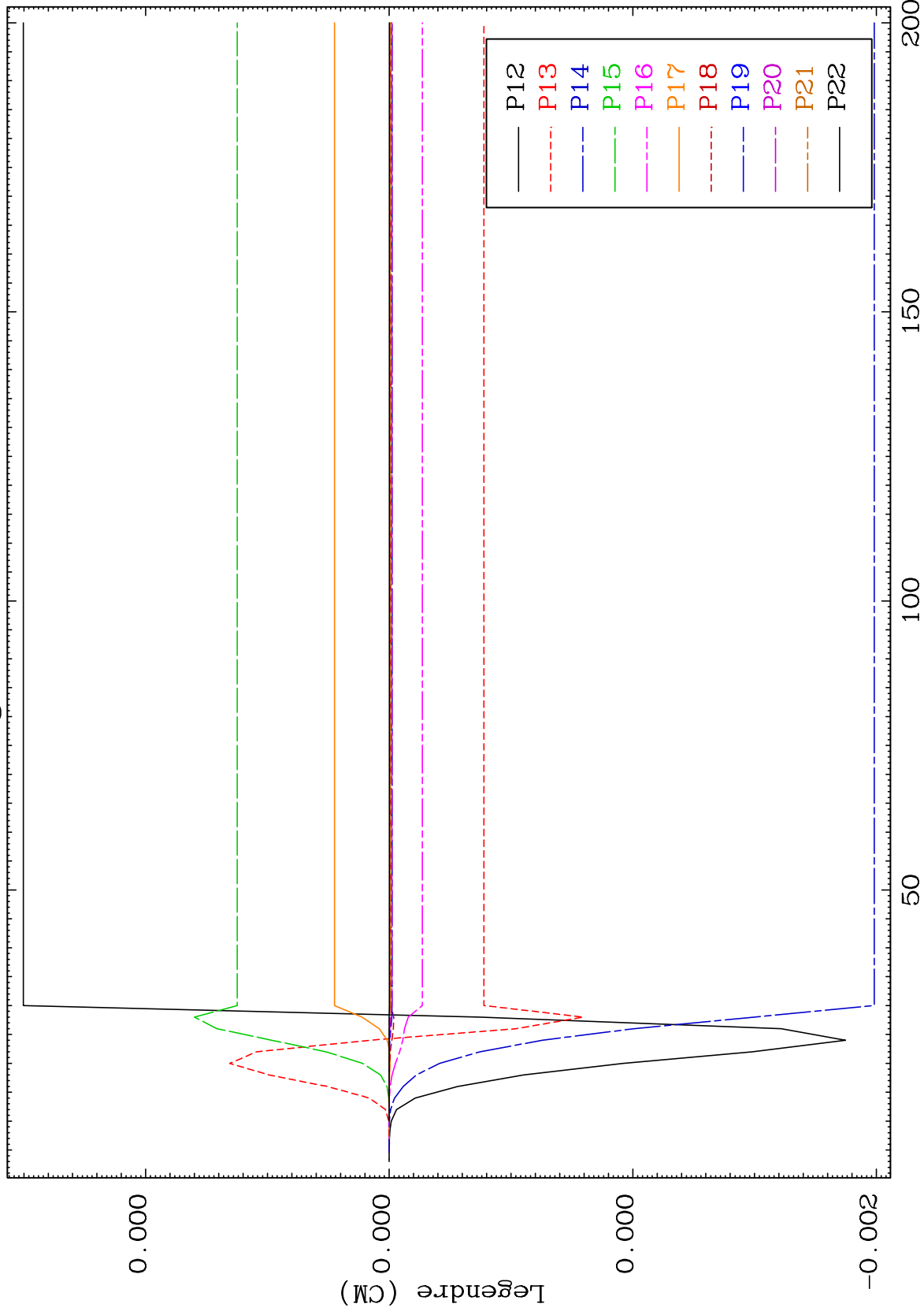
Incident Energy (MeV)

94

MAT 5737

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

57-La-142



95

Incident Energy (MeV)

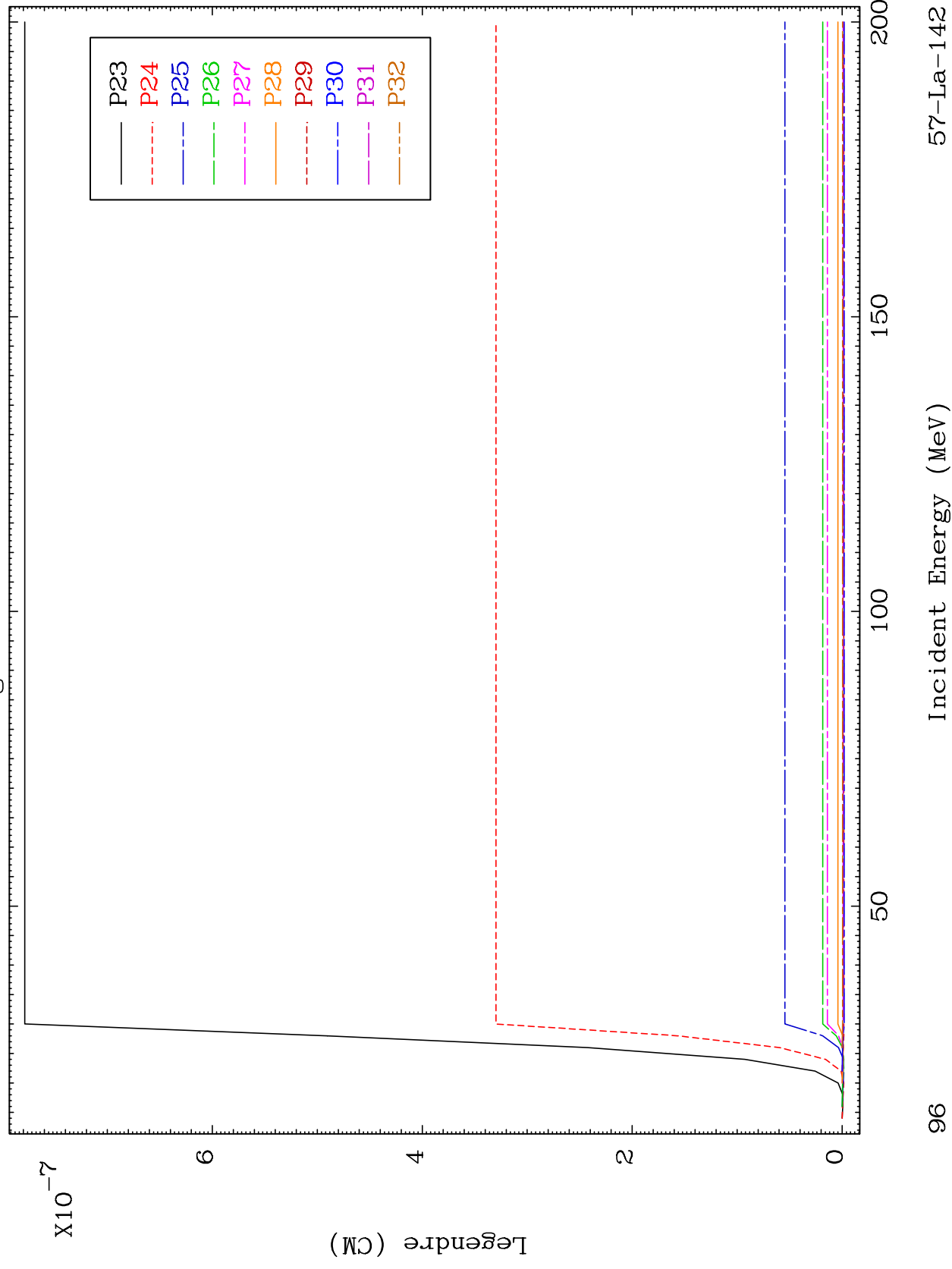
57-La-142



MAT 5737

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

57-La-142



96

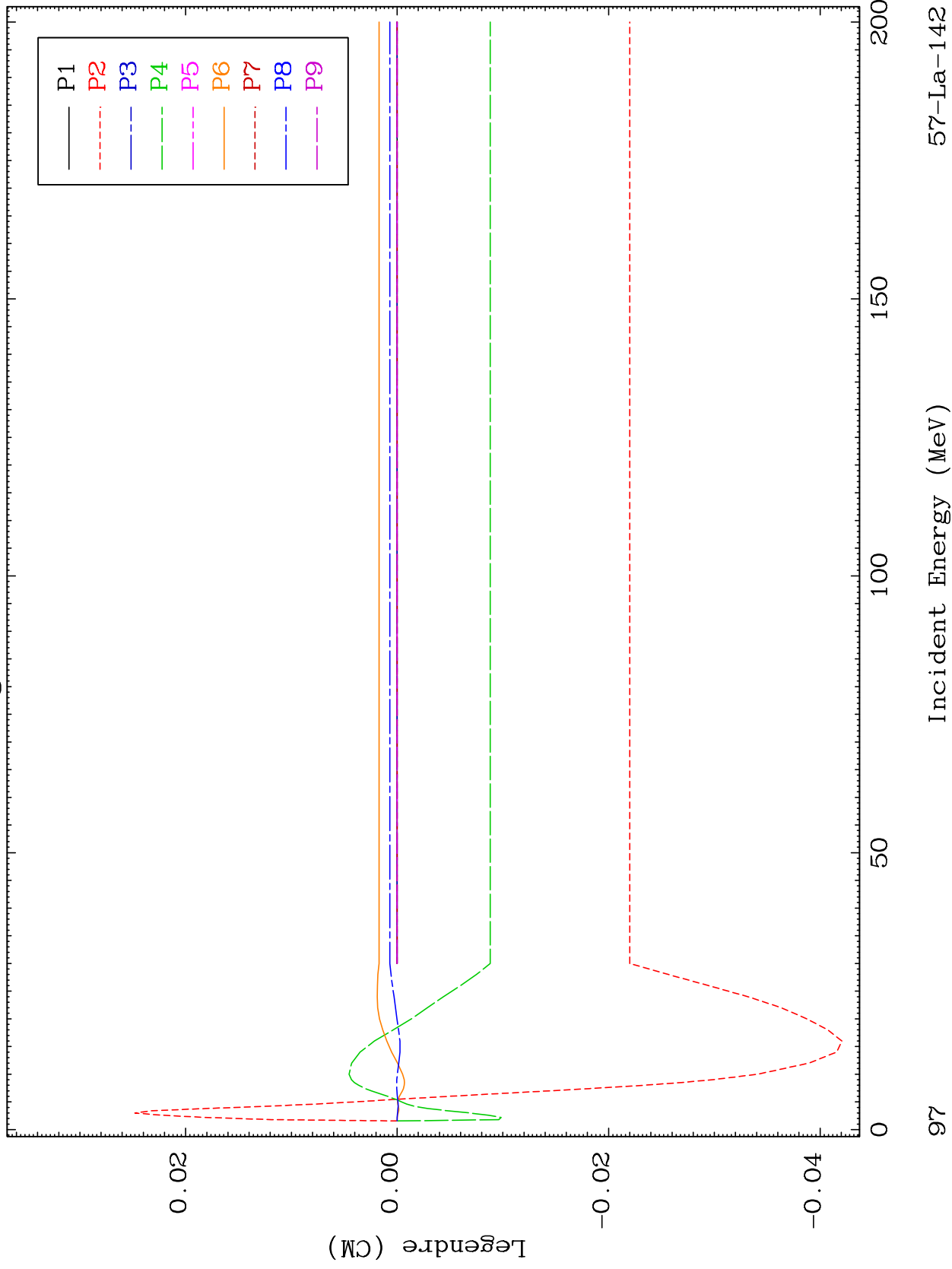
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



57-La-142

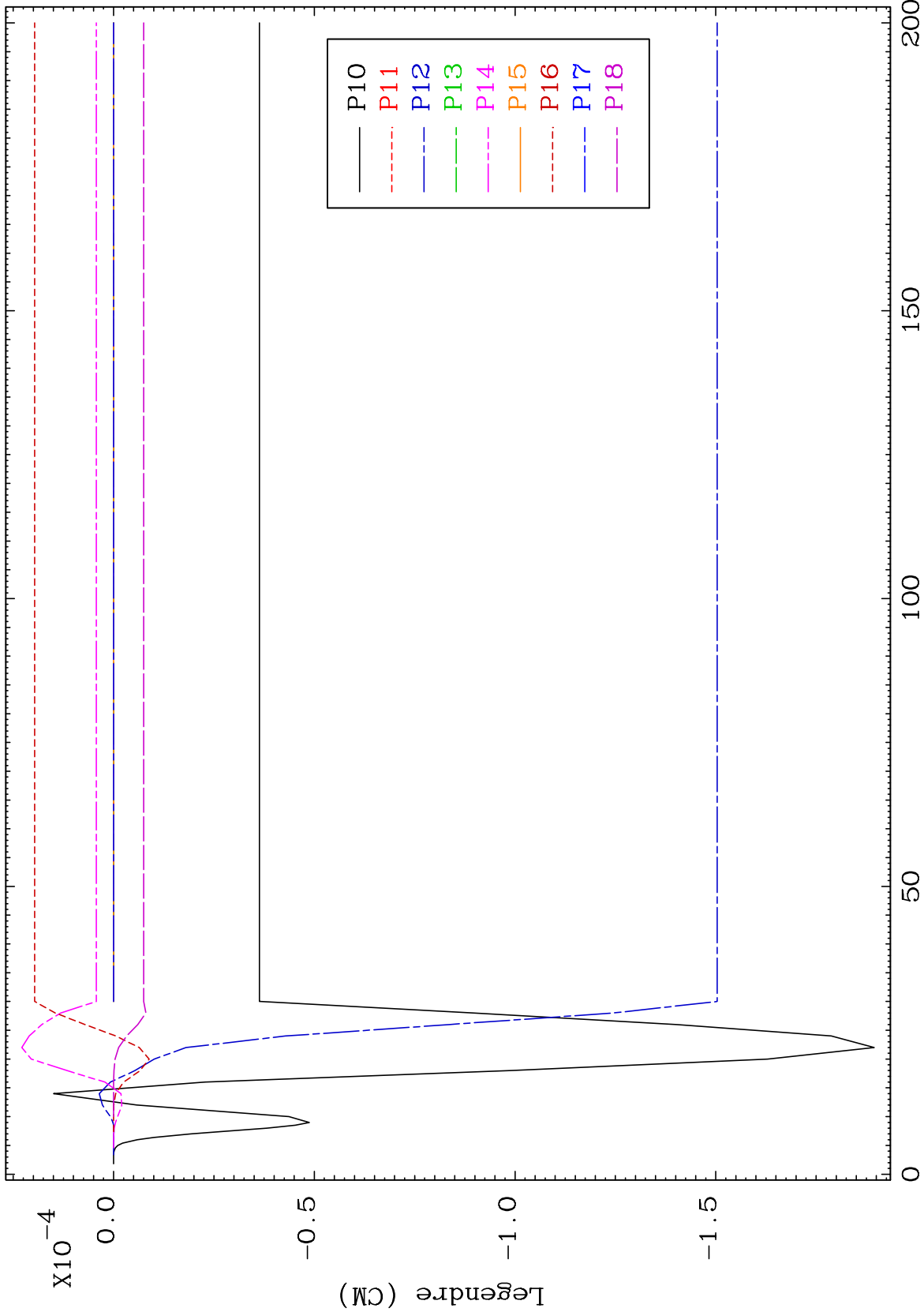
Incident Energy (MeV)

97

MAT 5737

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

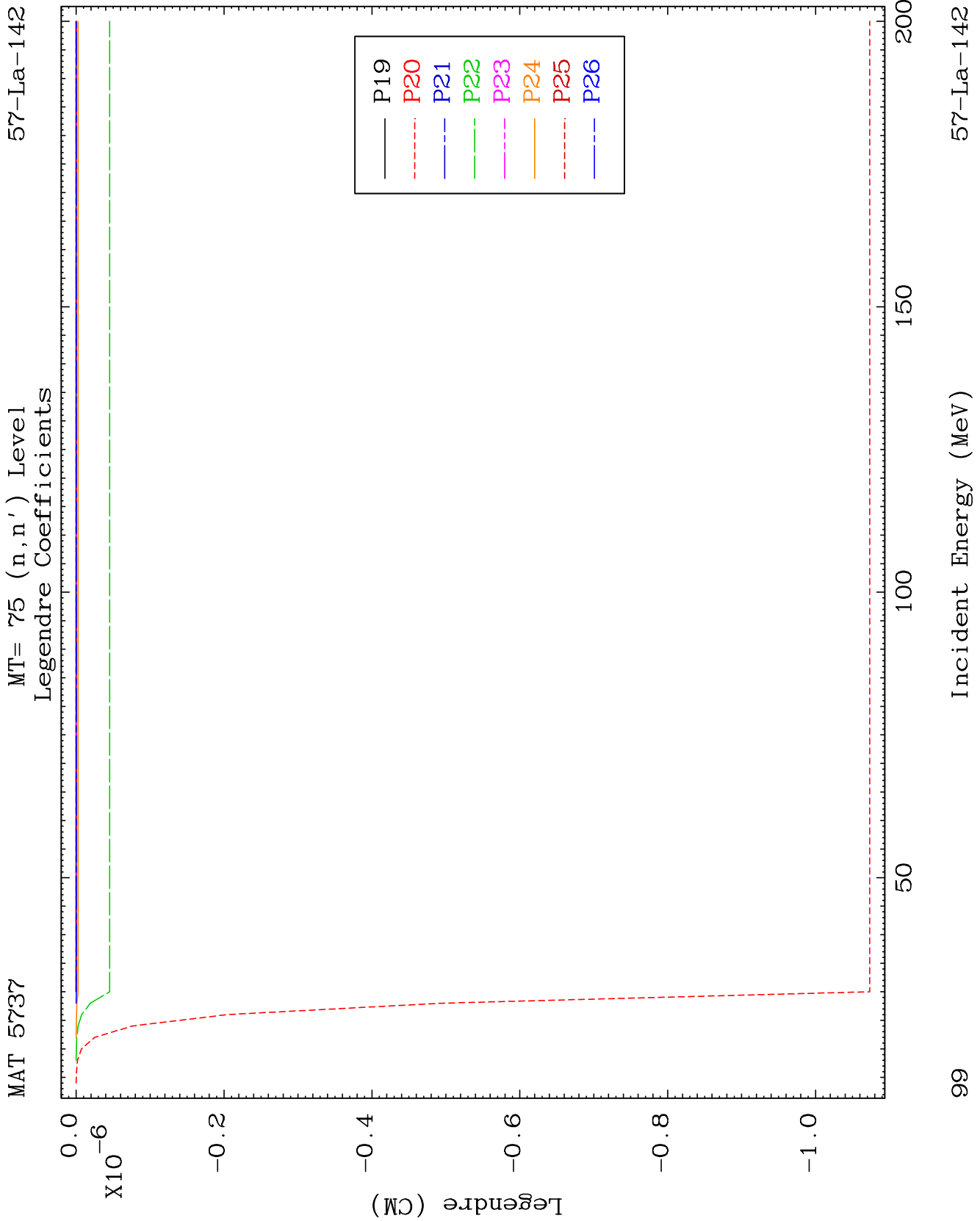
57-La-142



98

Incident Energy (MeV)

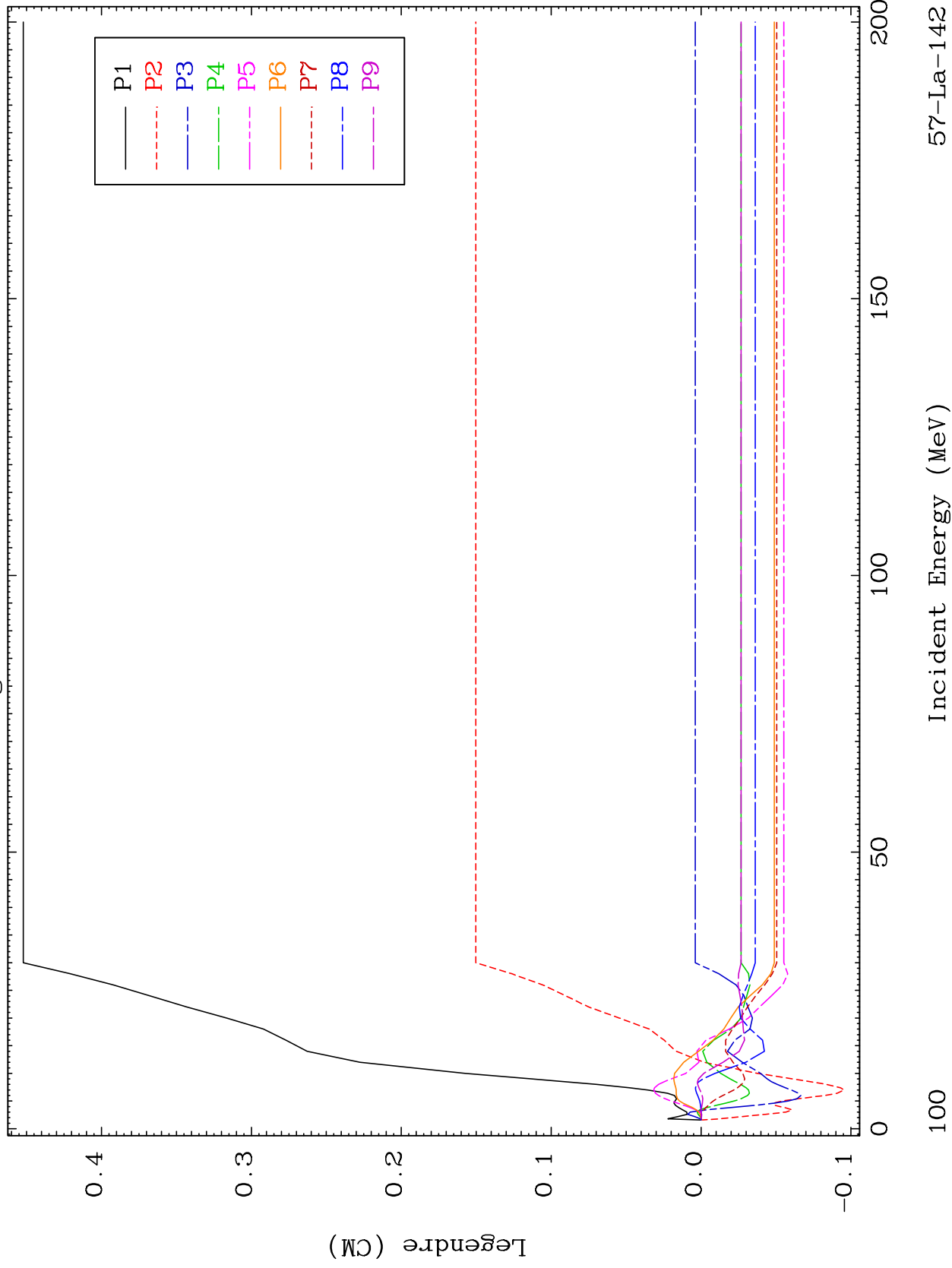
57-La-142



MAT 5737

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

57-La-142

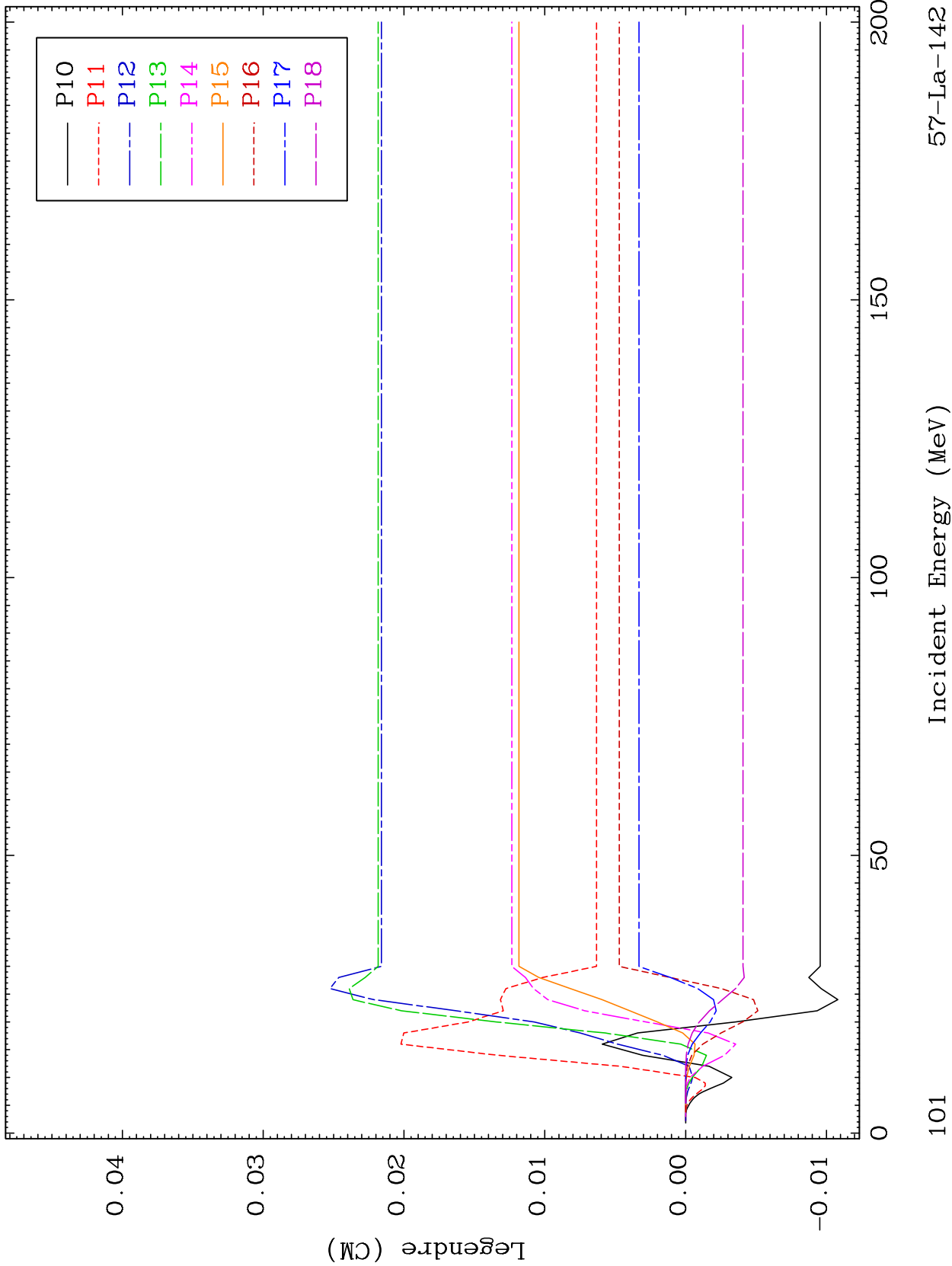


57-La-142

MAT 5737

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

57-La-142



101

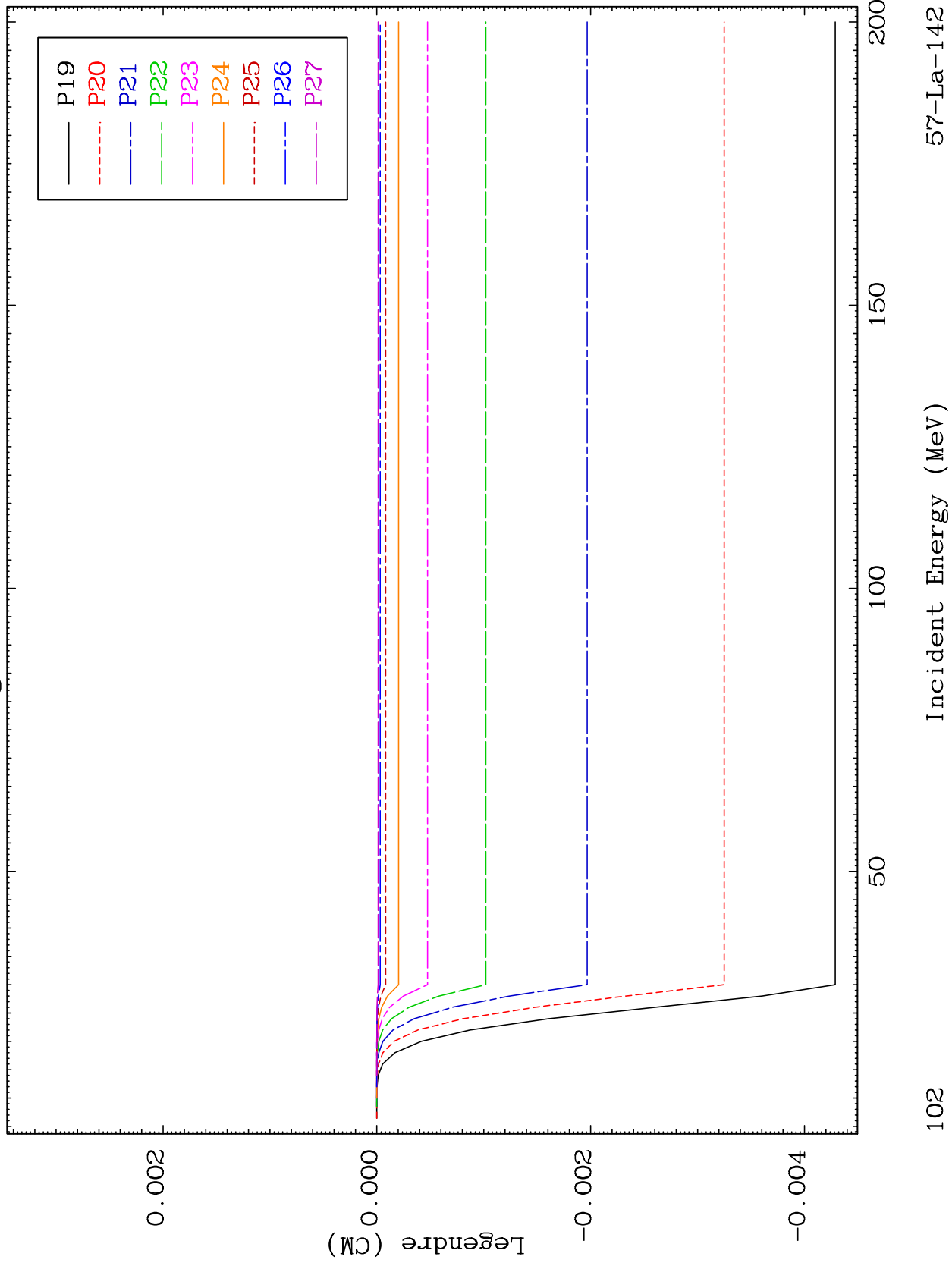
Incident Energy (MeV)

57-La-142

MAT 5737

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

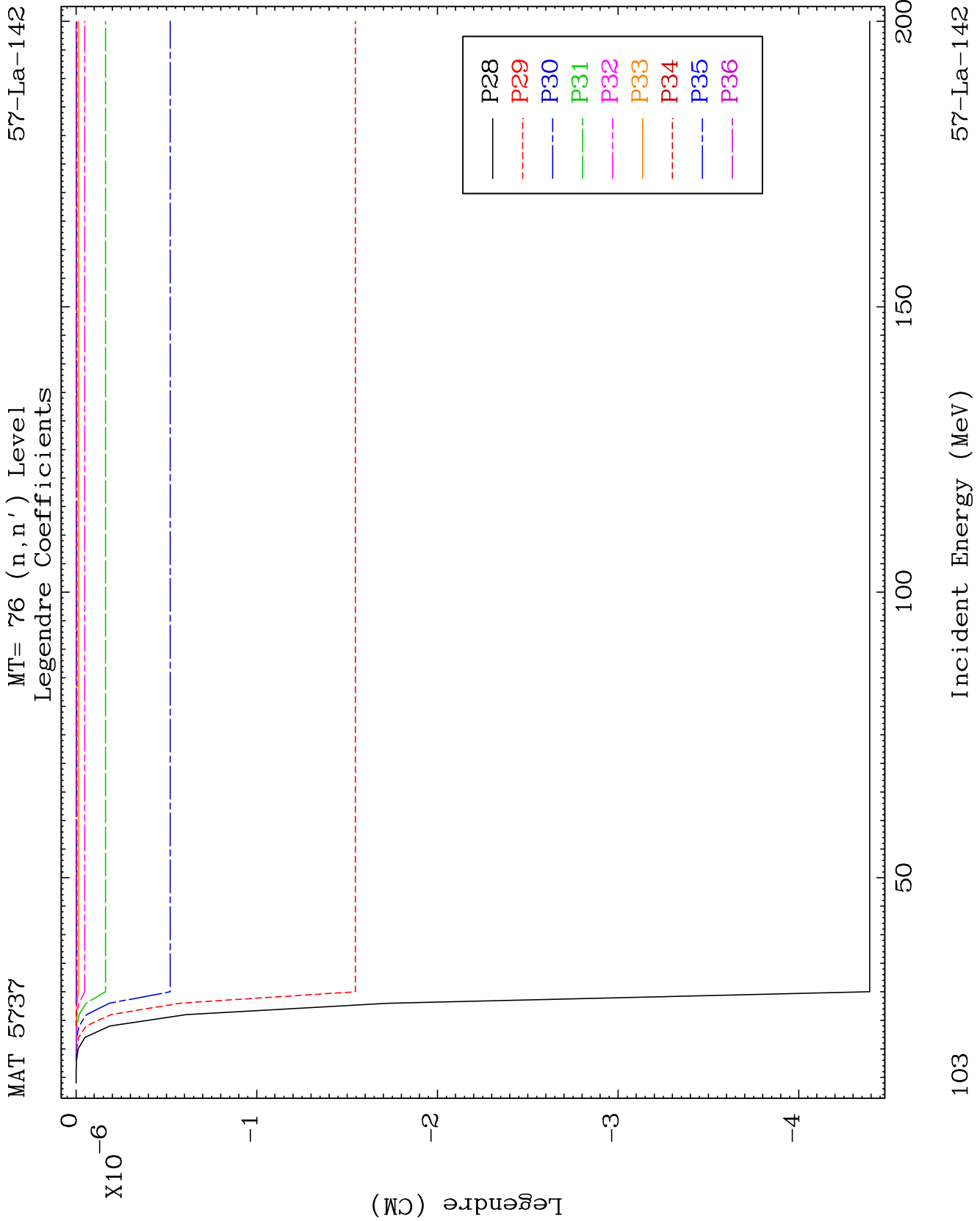
57-La-142



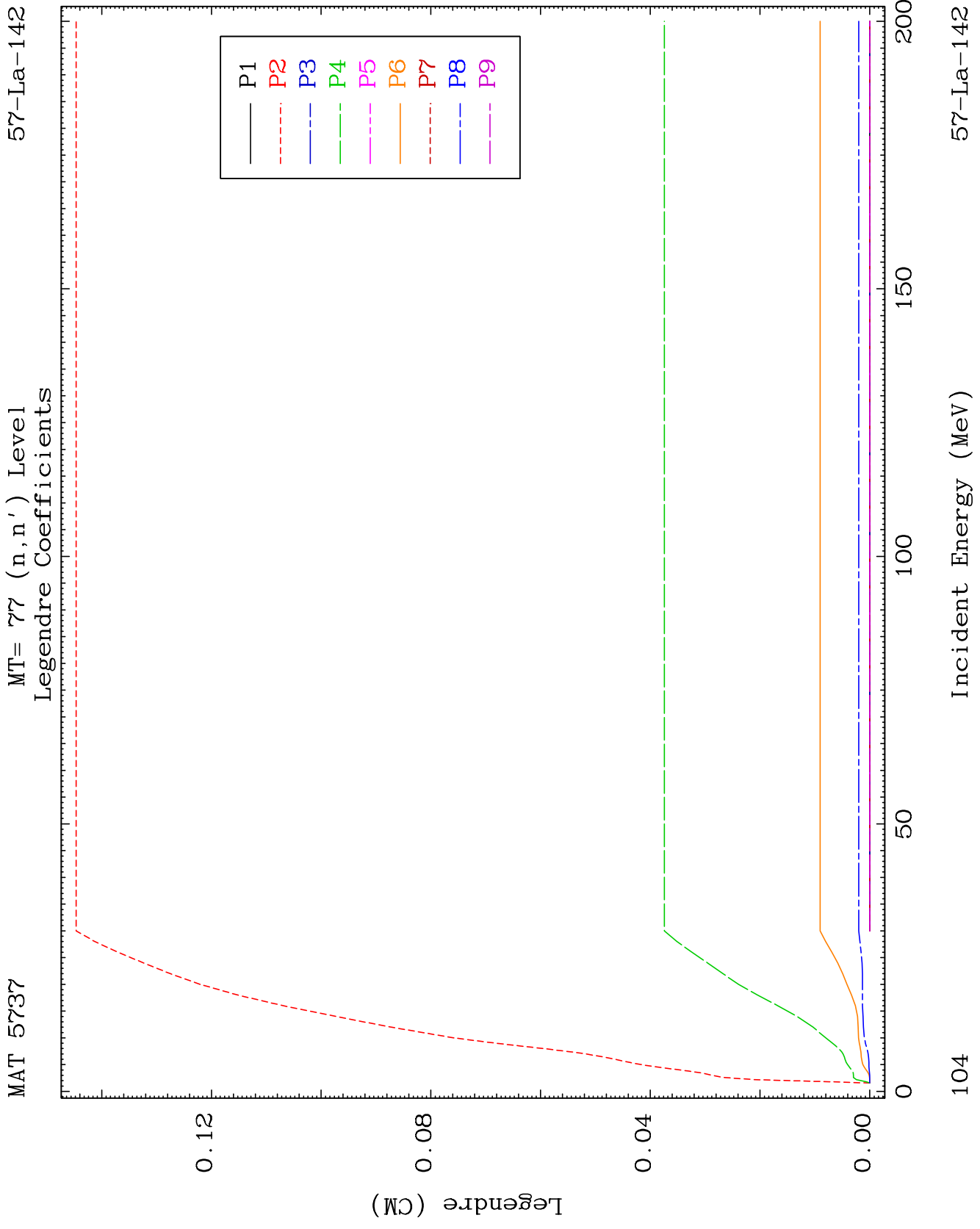
102

Incident Energy (MeV)

57-La-142



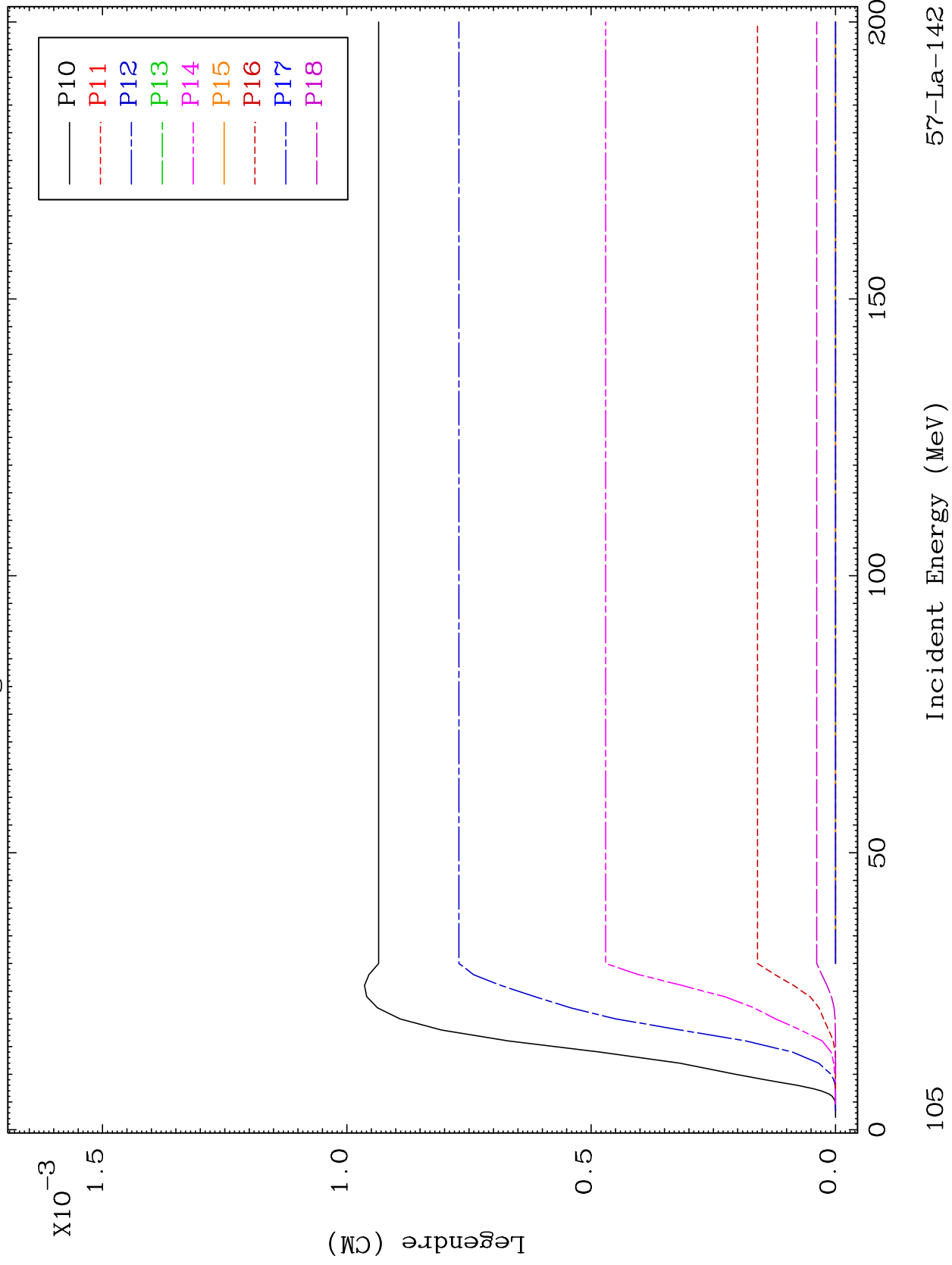




MAT 5737

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

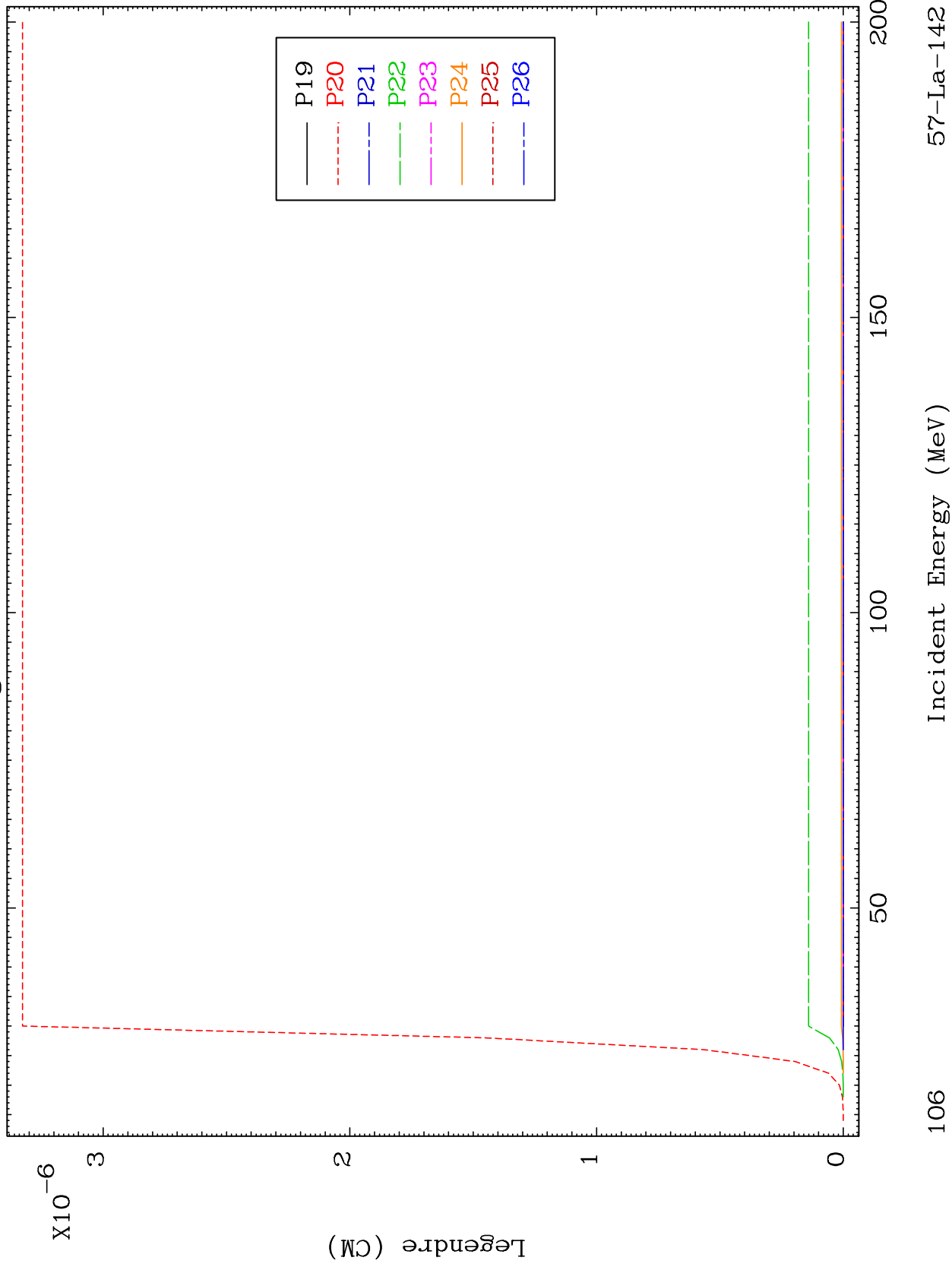
57-La-142



MAT 5737

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

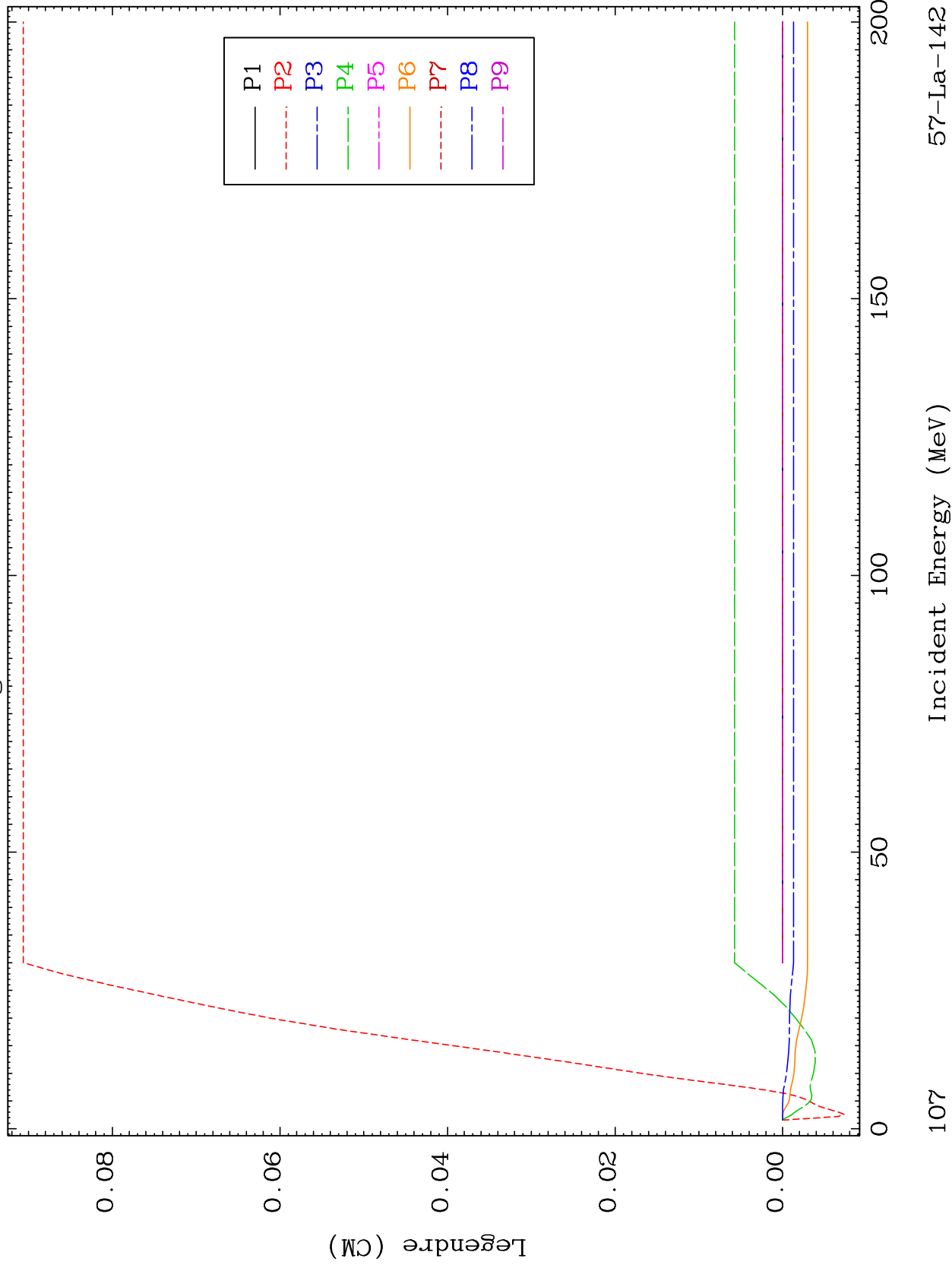
57-La-142



MAT 5737

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

57-La-142



57-La-142

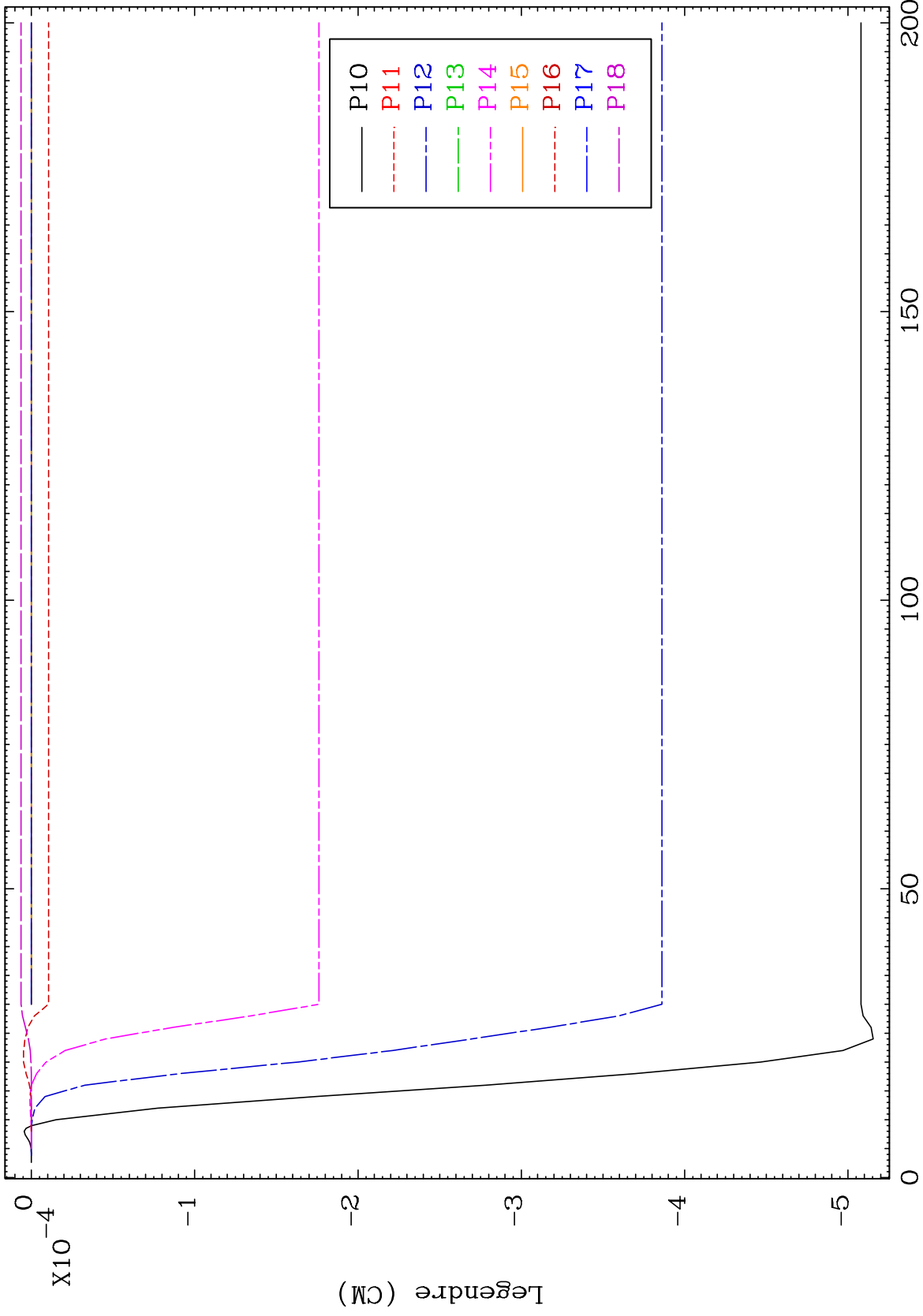
Incident Energy (MeV)

107

MAT 5737

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

57-La-142

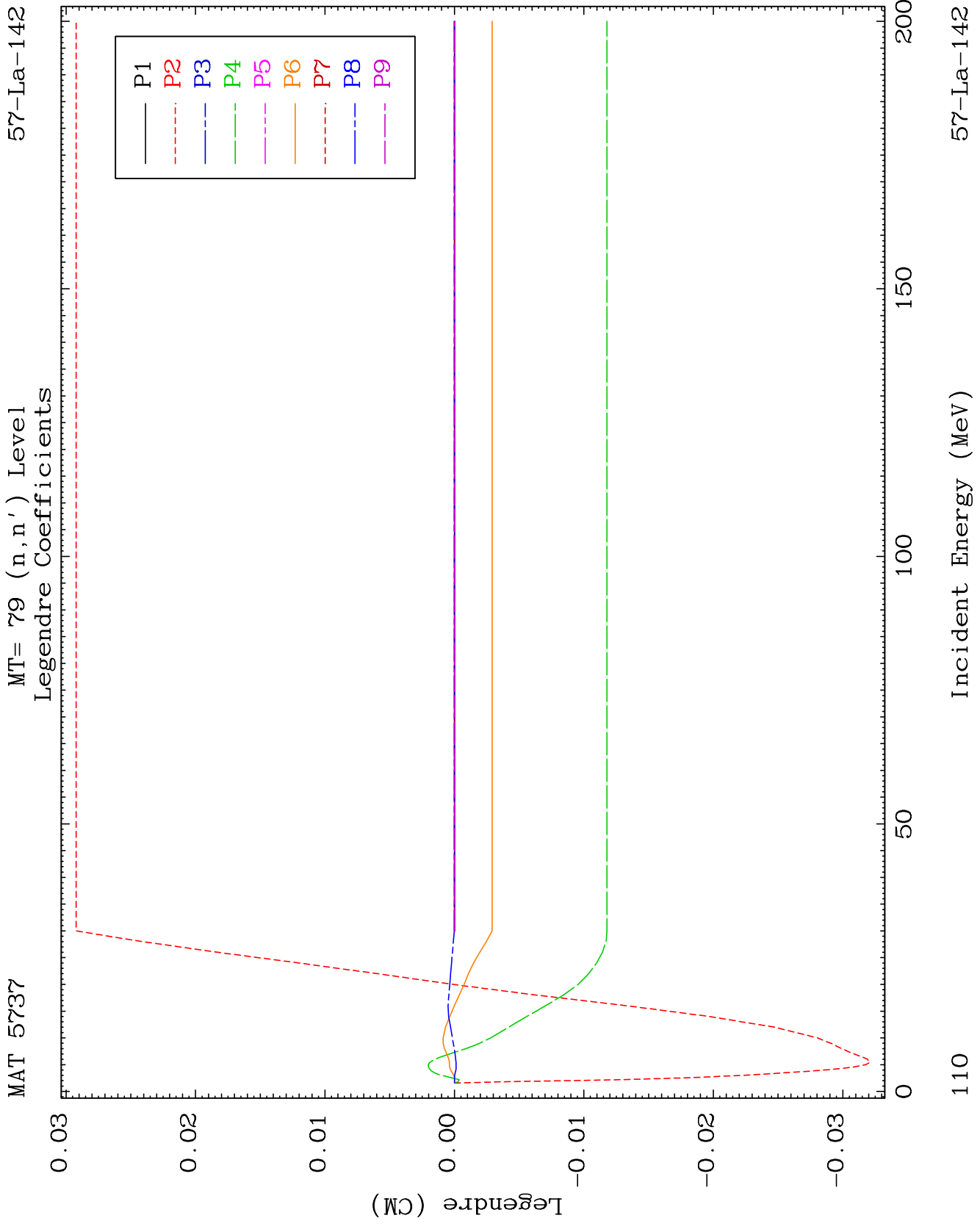


108

Incident Energy (MeV)

57-La-142

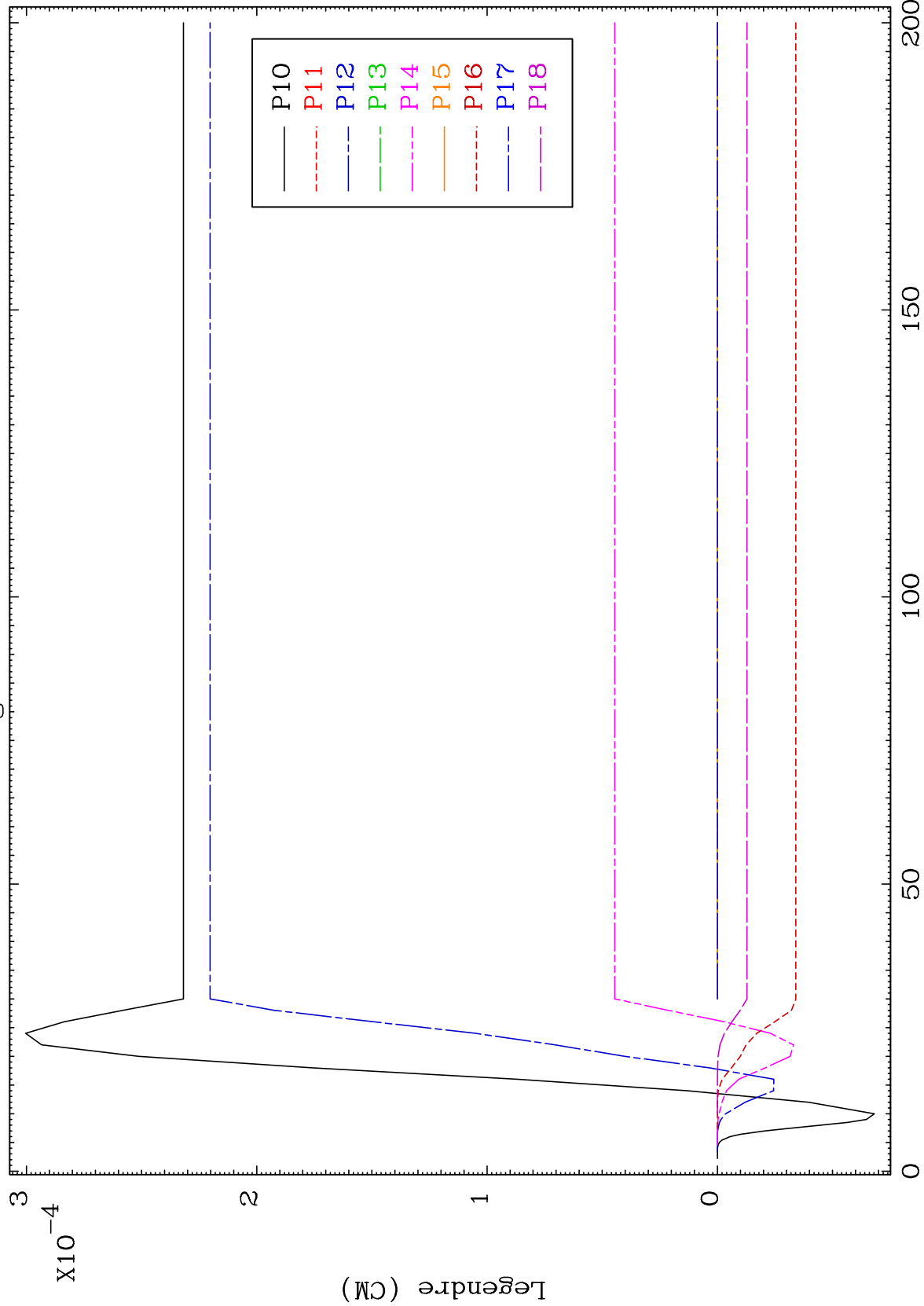




MAT 5737

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

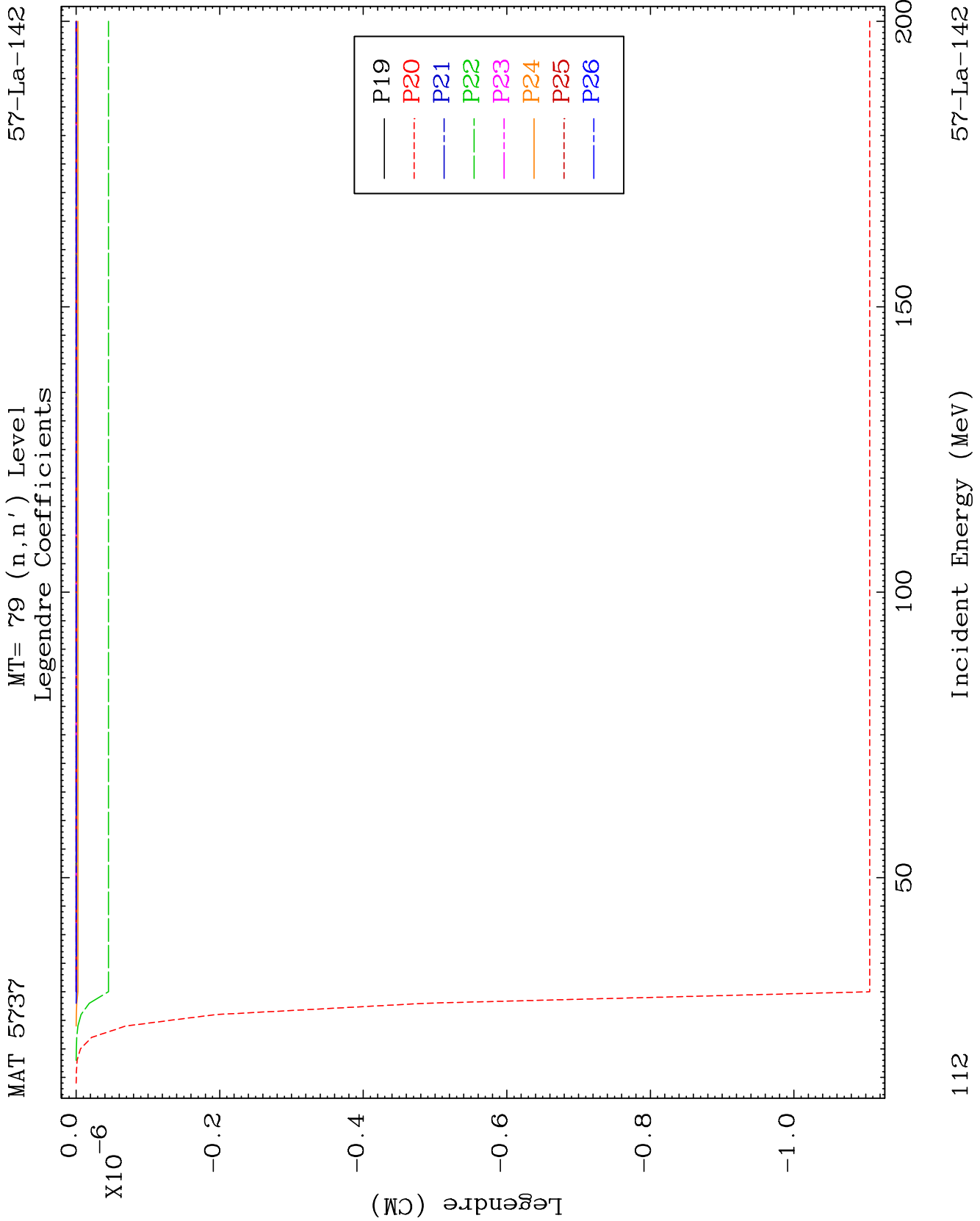
57-La-142



111

57-La-142

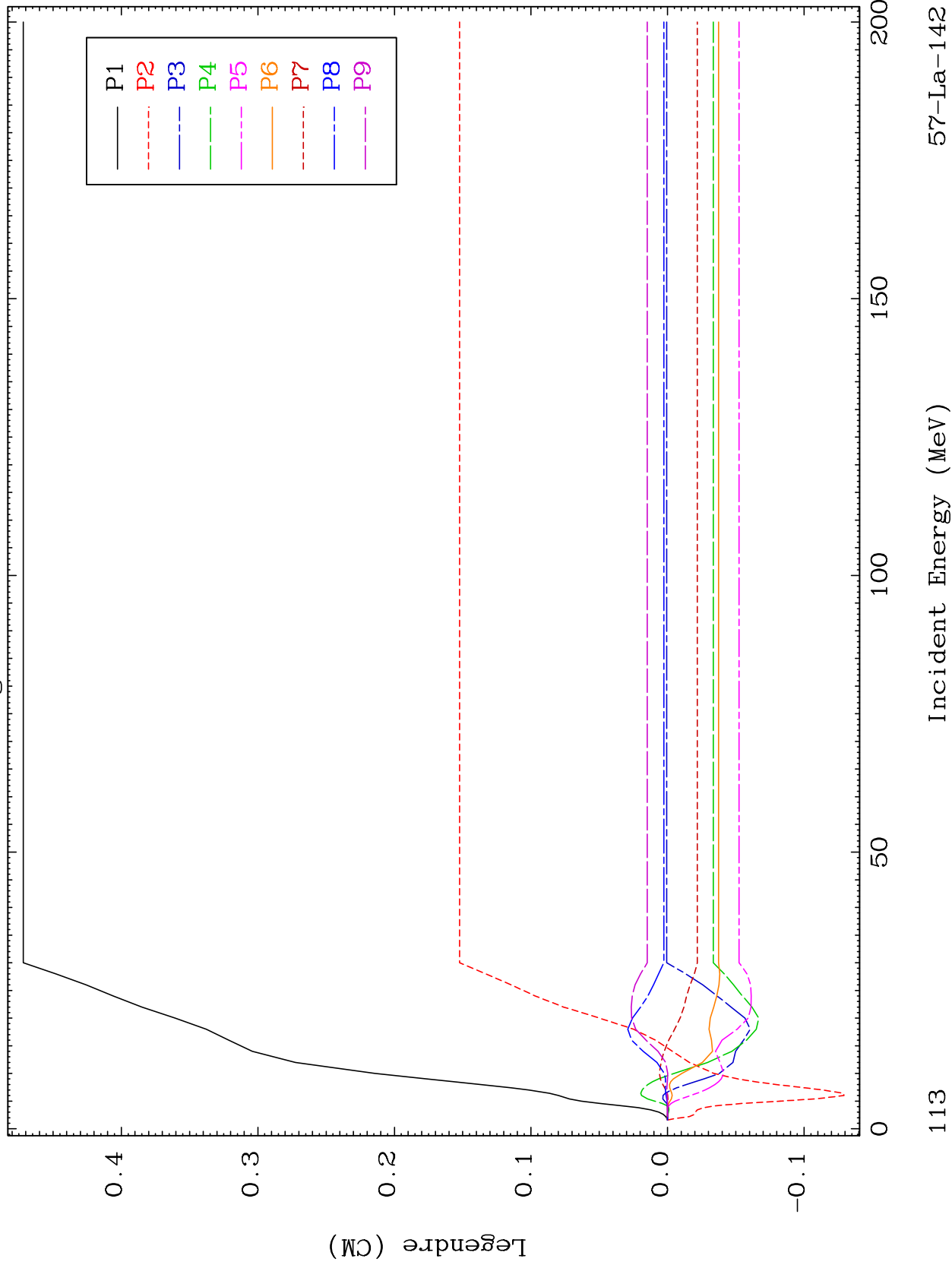




MAT 5737

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

57-La-142



57-La-142

Incident Energy (MeV)

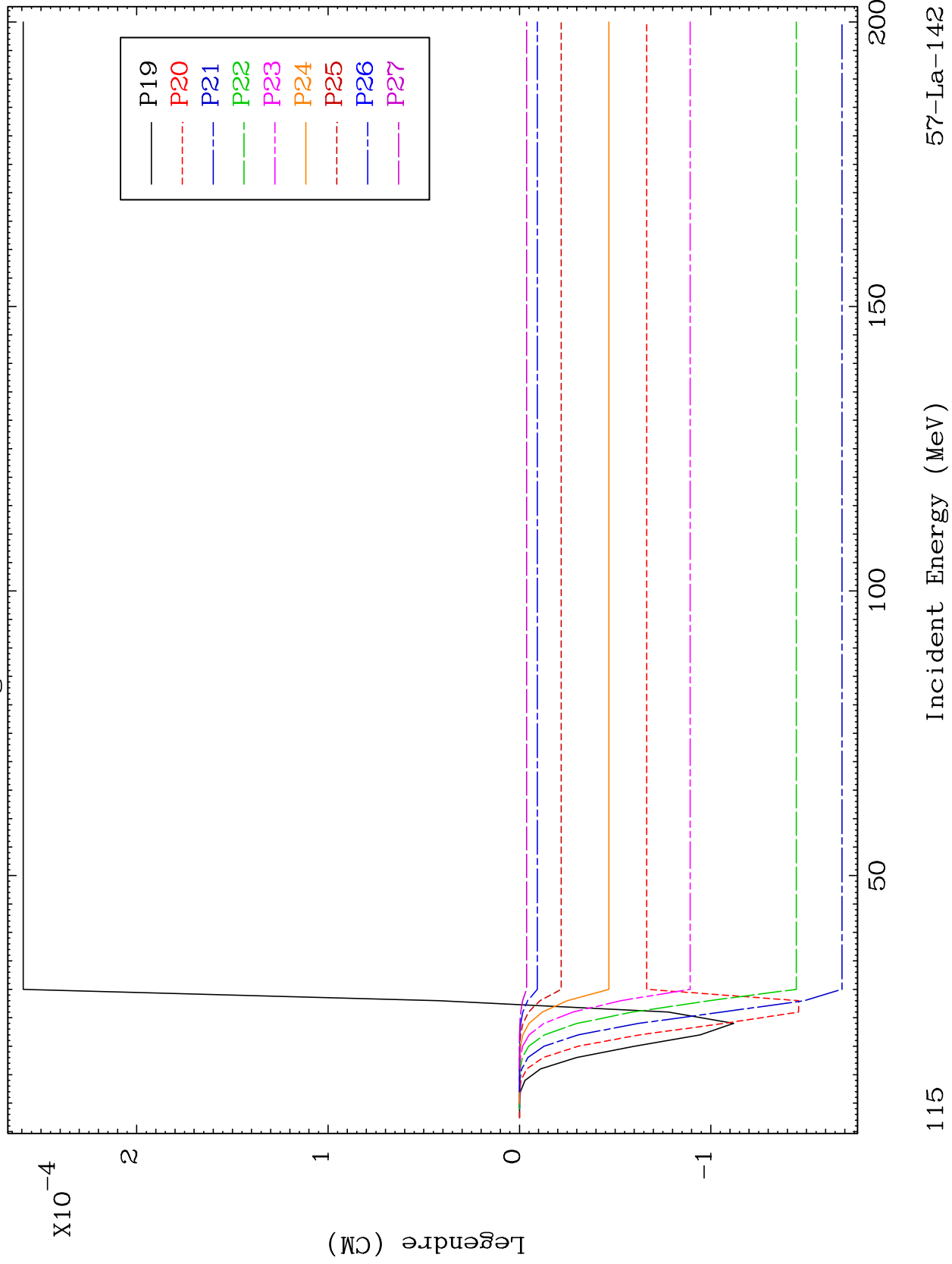
113



MAT 5737

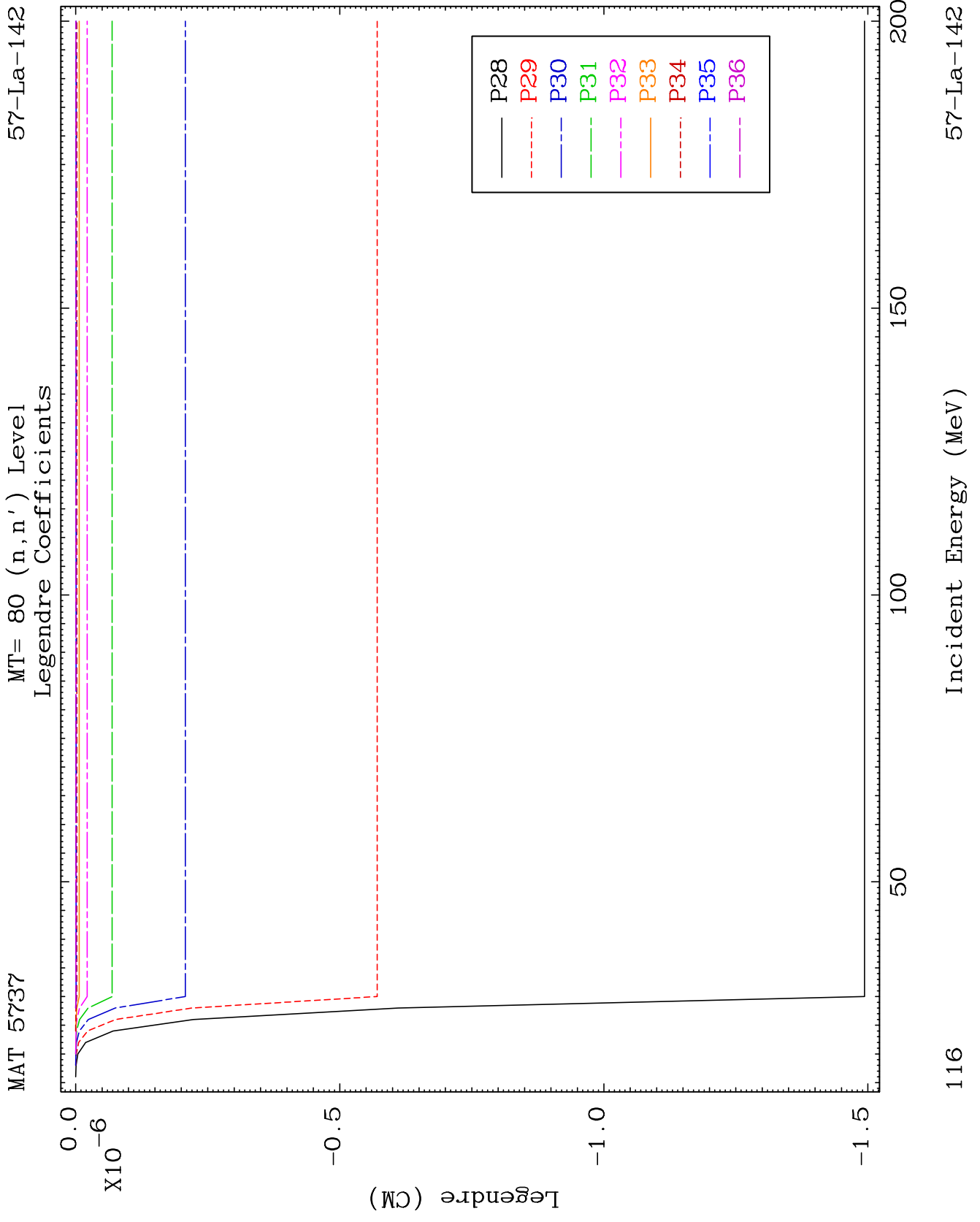
MT= 80 (n,n') Level  
Legendre Coefficients

57-La-142



115

57-La-142

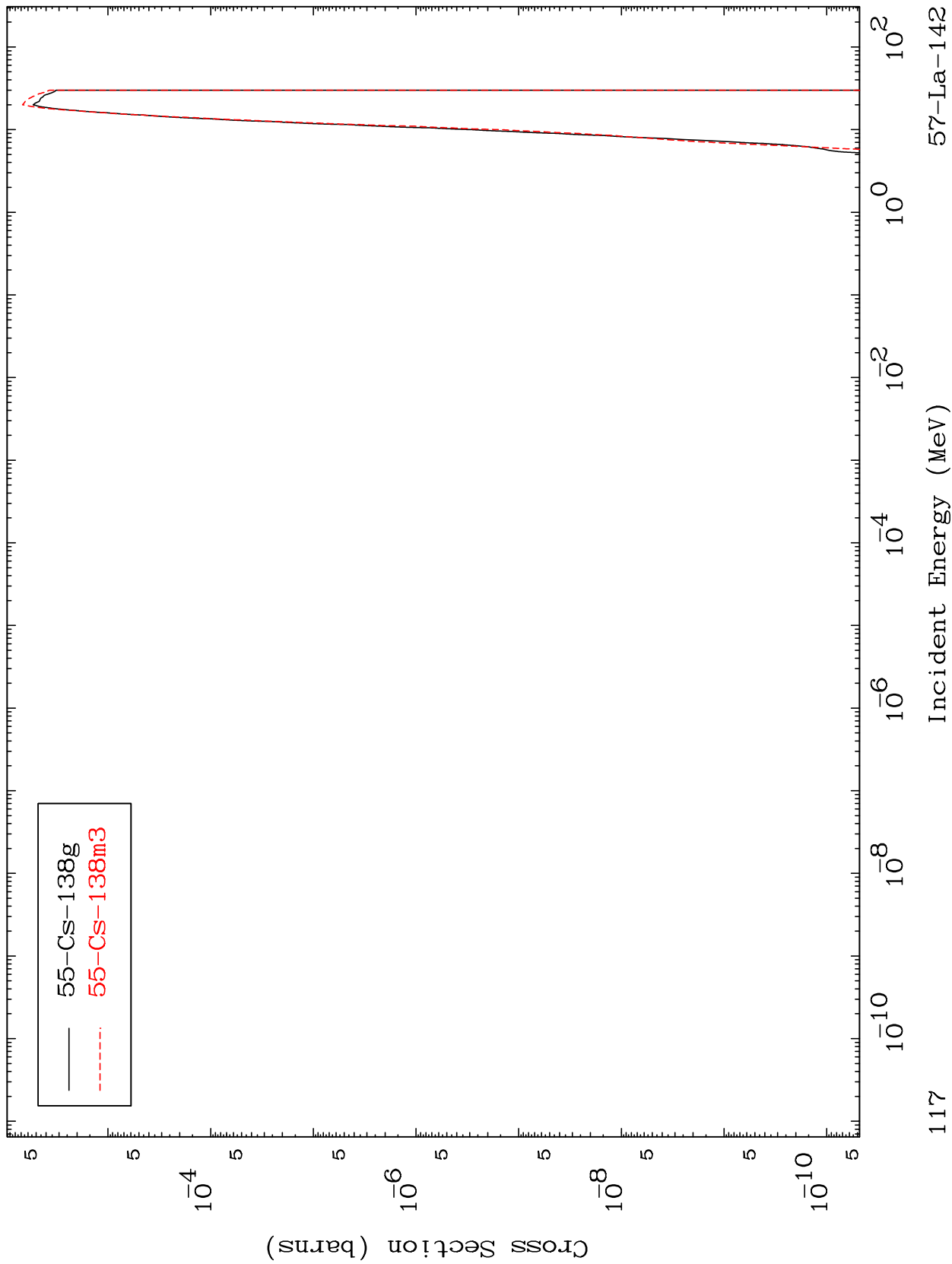


MAT 5737

(n,n')  $\alpha$

57-La-142

Radionuclide Production Cross Section

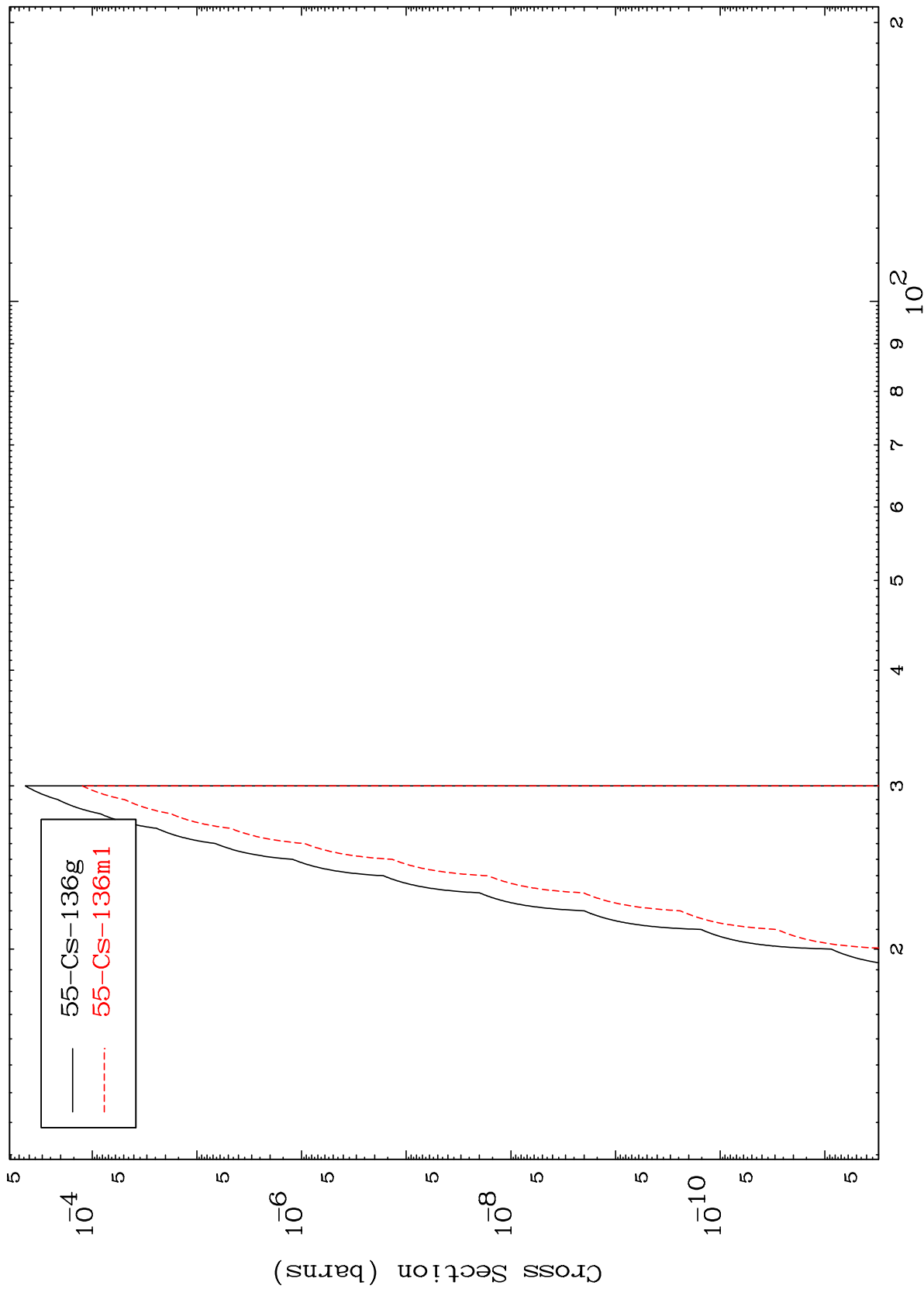


117

Incident Energy (MeV)

57-La-142

Radionuclide Production Cross Section

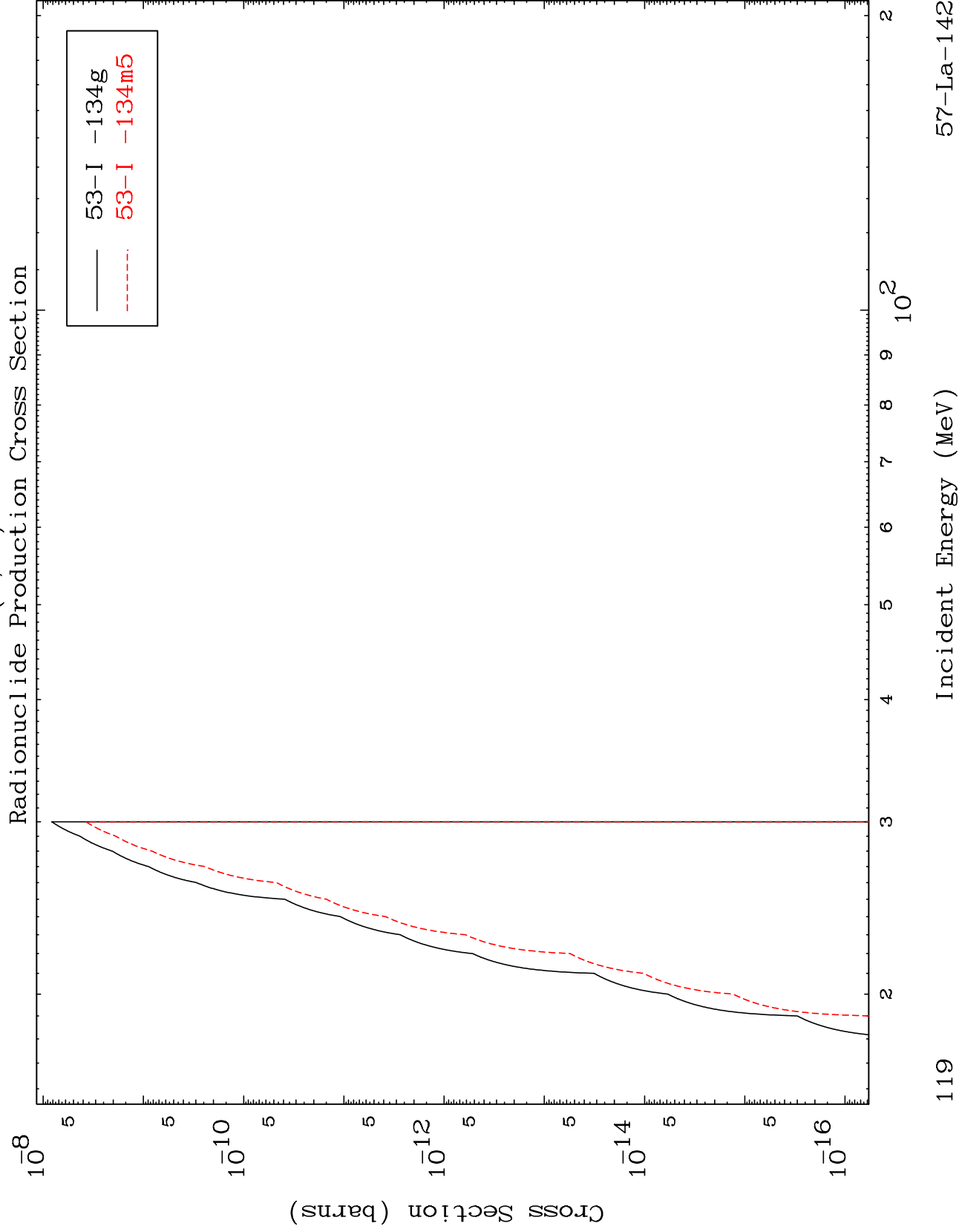


— 55-Cs-136g  
- - - 55-Cs-136m1

MAT 5737

(n,n') 2α

57-La-142



119

57-La-142