

Program EVALPLOT  
(Version 2018-1)

by

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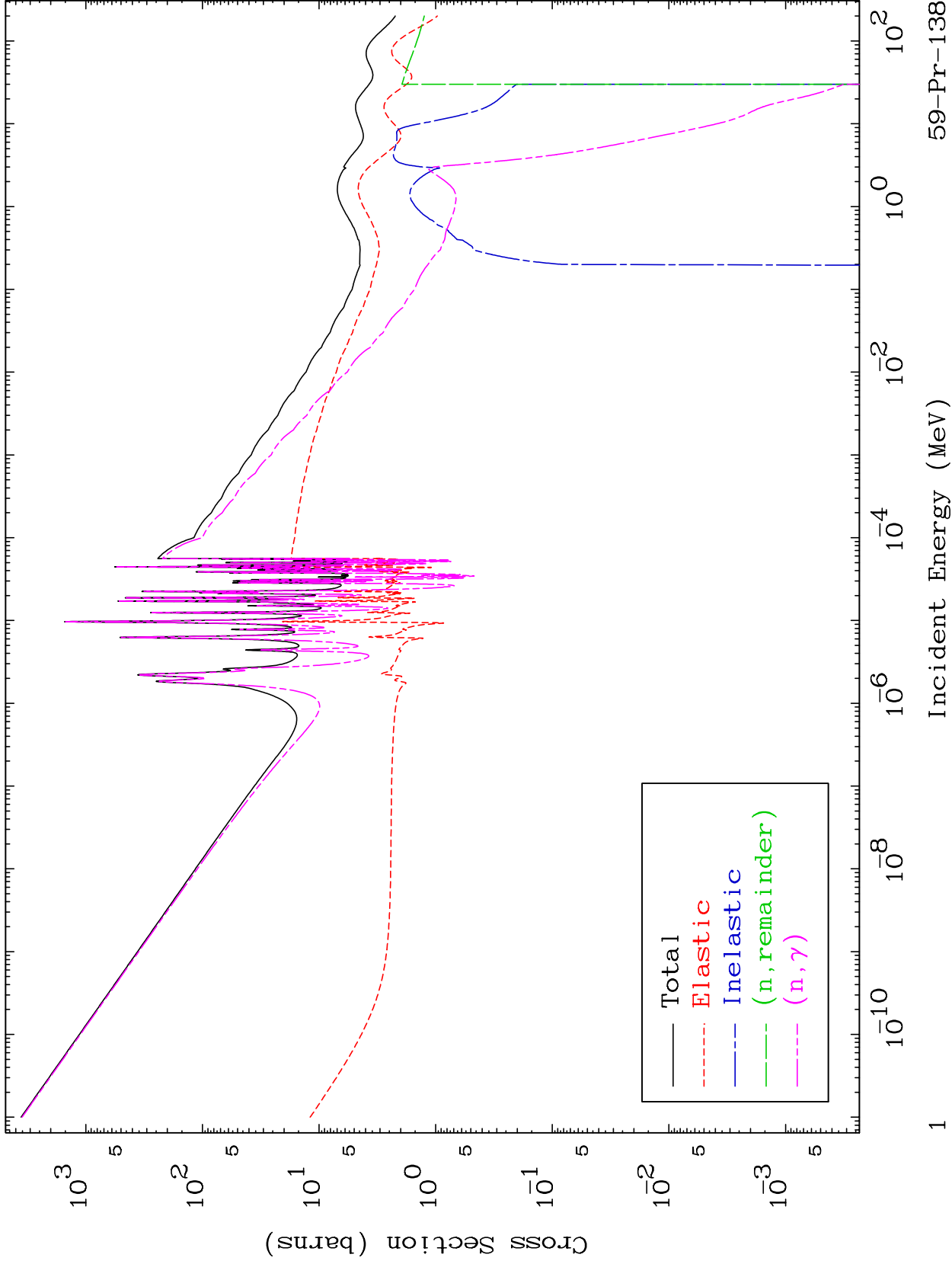
Press Mouse Button to Start

MAT 5916

Major

293 Kelvin Cross Sections

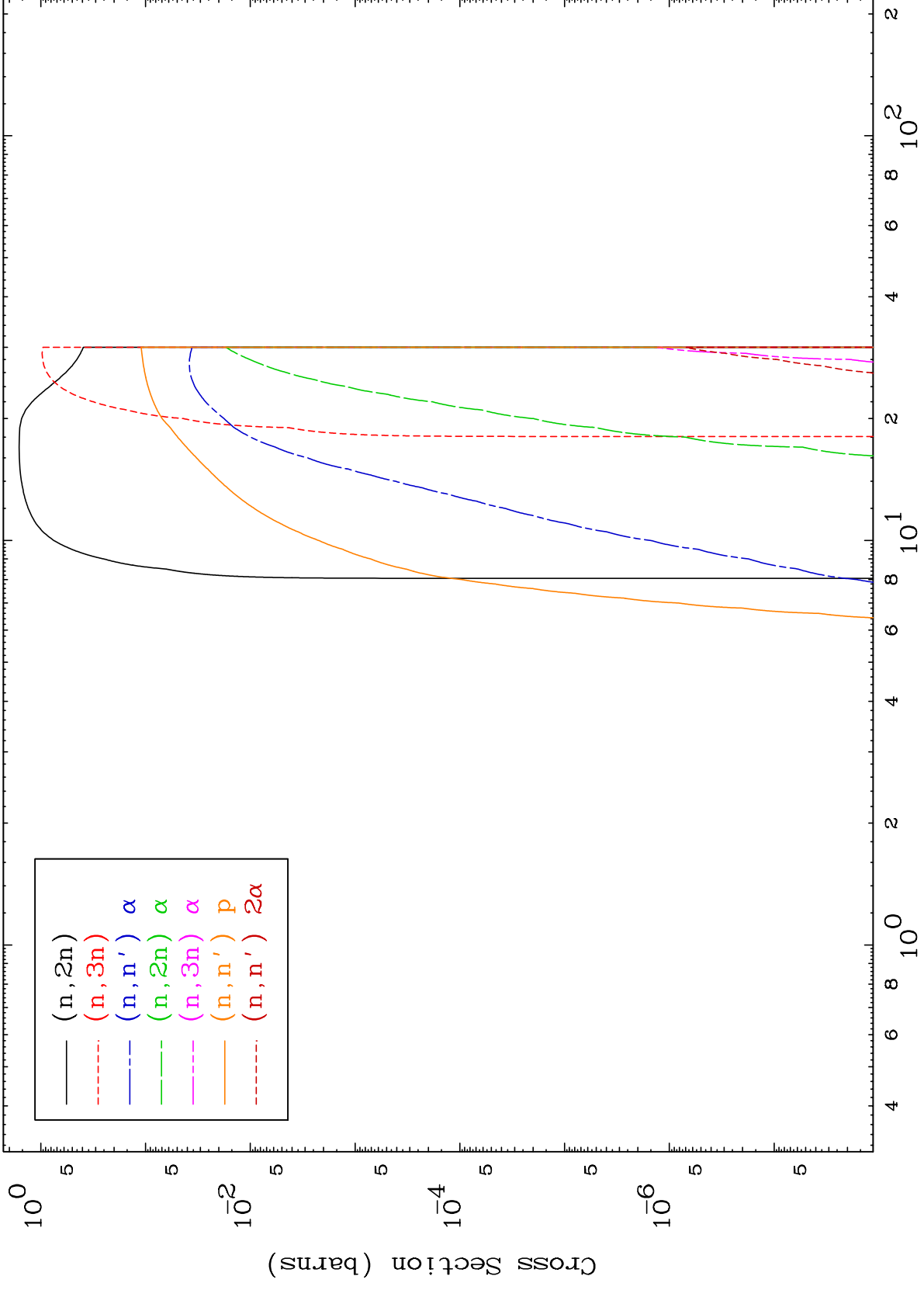
59-Pr-138

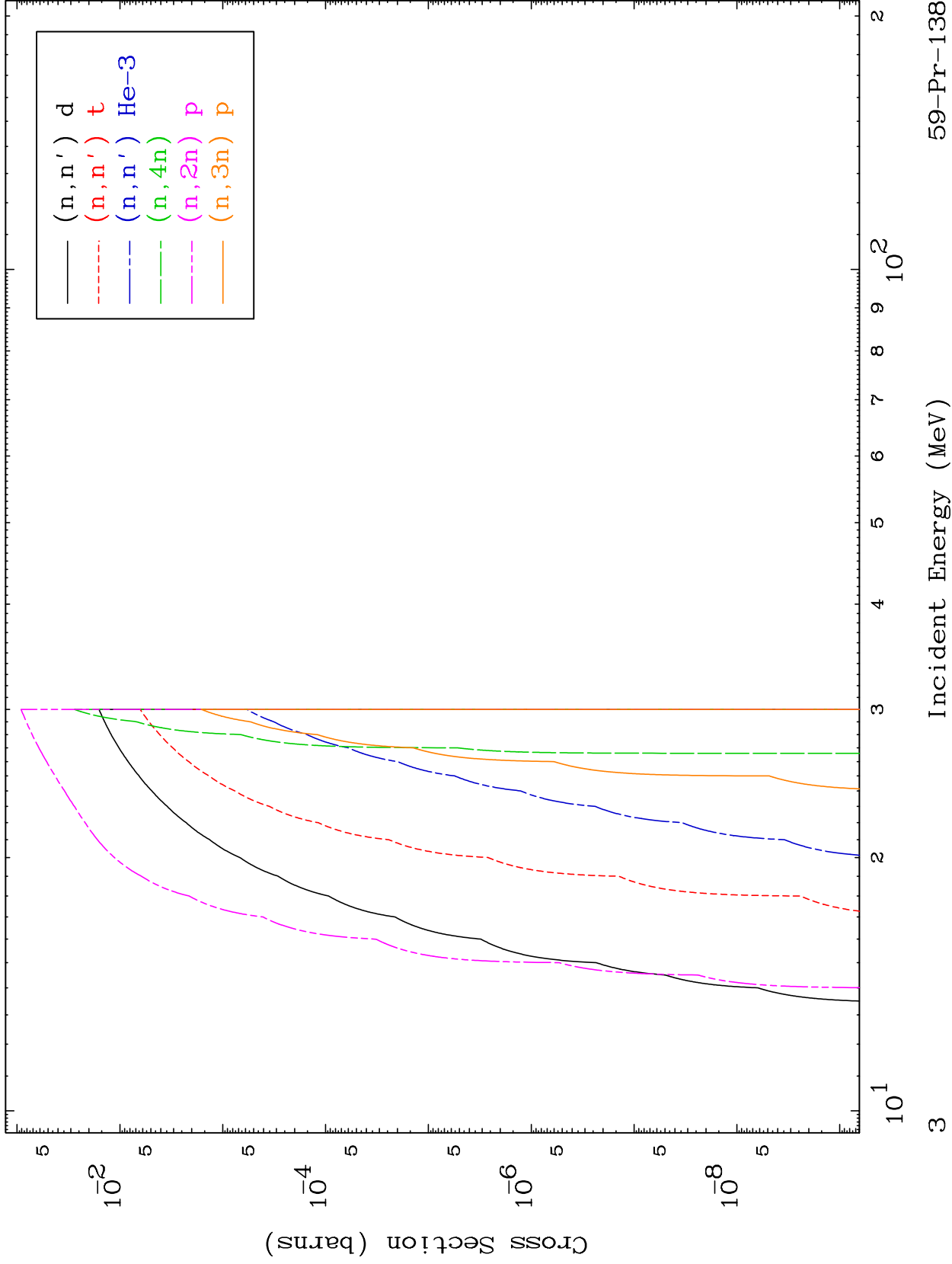


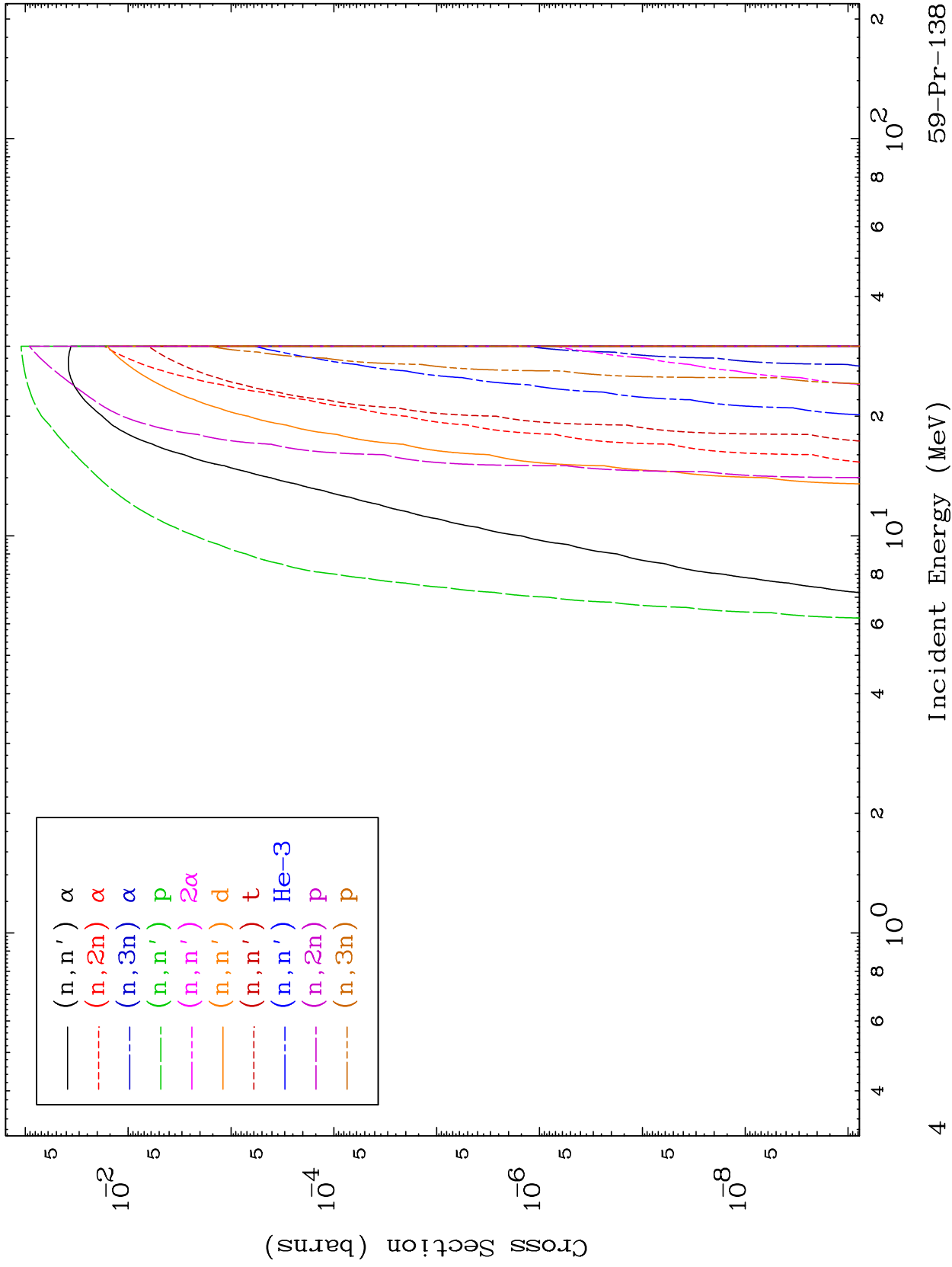
MAT 5916

Neutron Production  
293 Kelvin Cross Sections

59-Pr-138



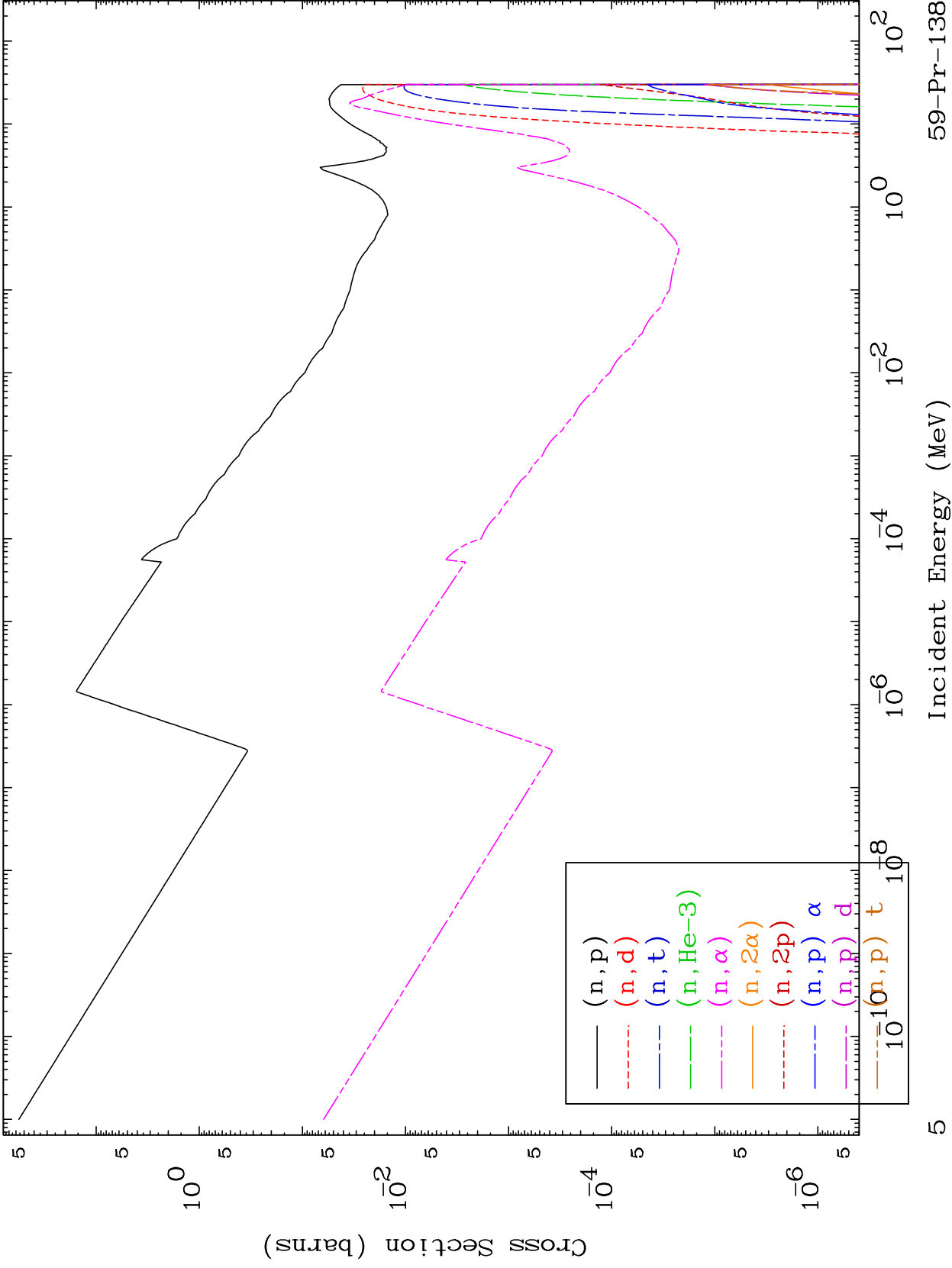




MAT 5916

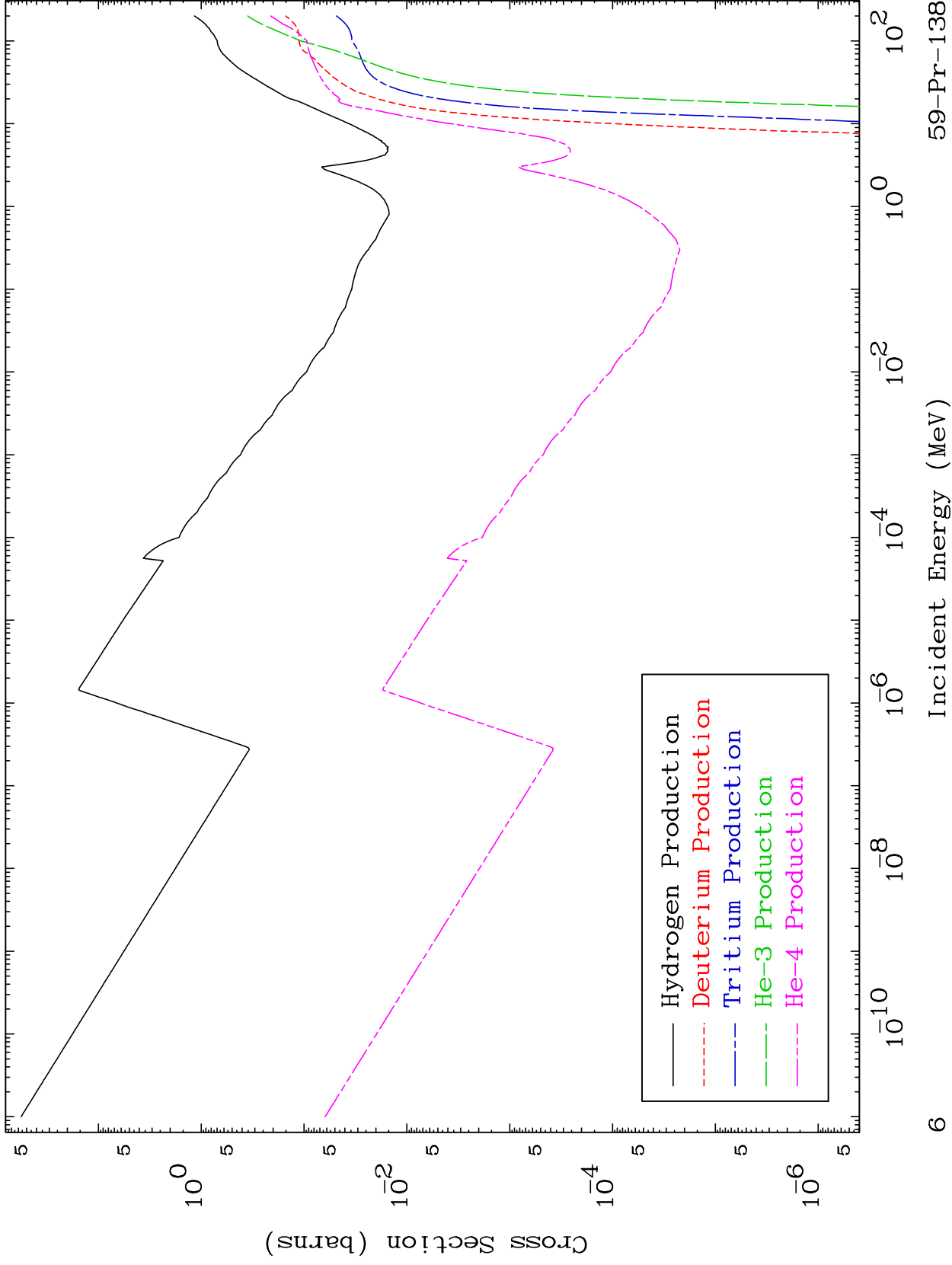
Charged Particle  
293 Kelvin Cross Sections

59-Pr-138

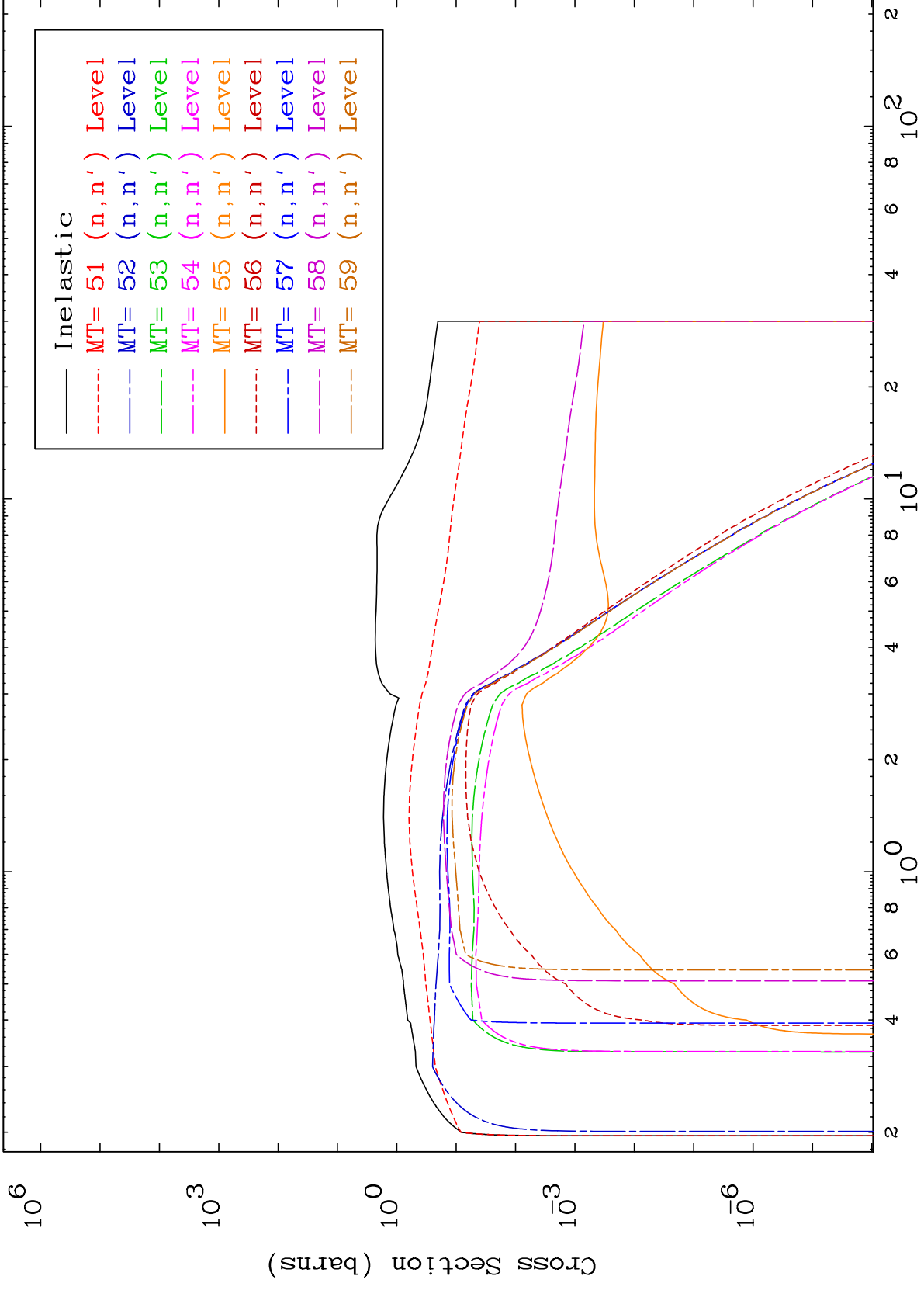


5

59-Pr-138



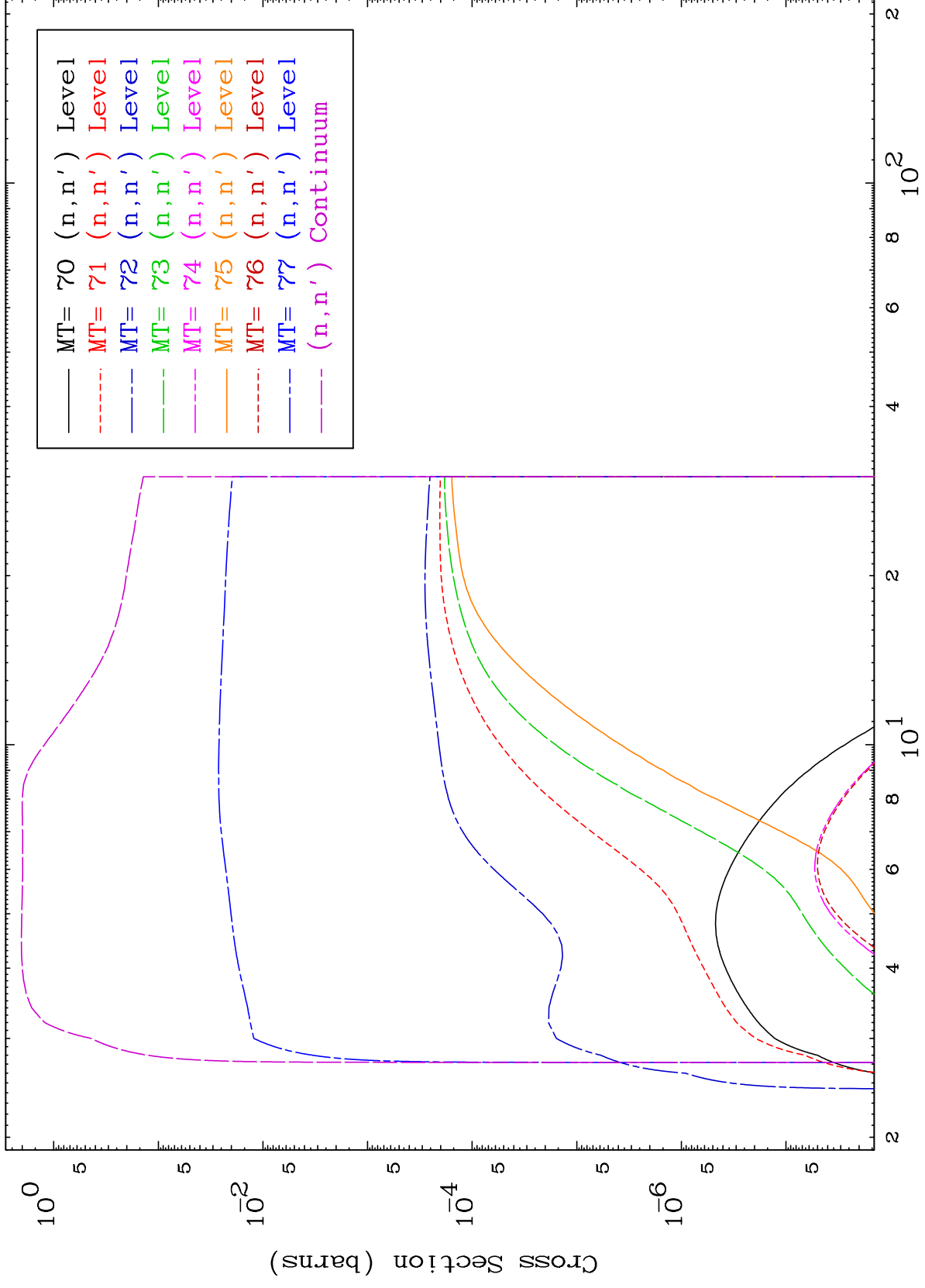
293 Kelvin Cross Sections







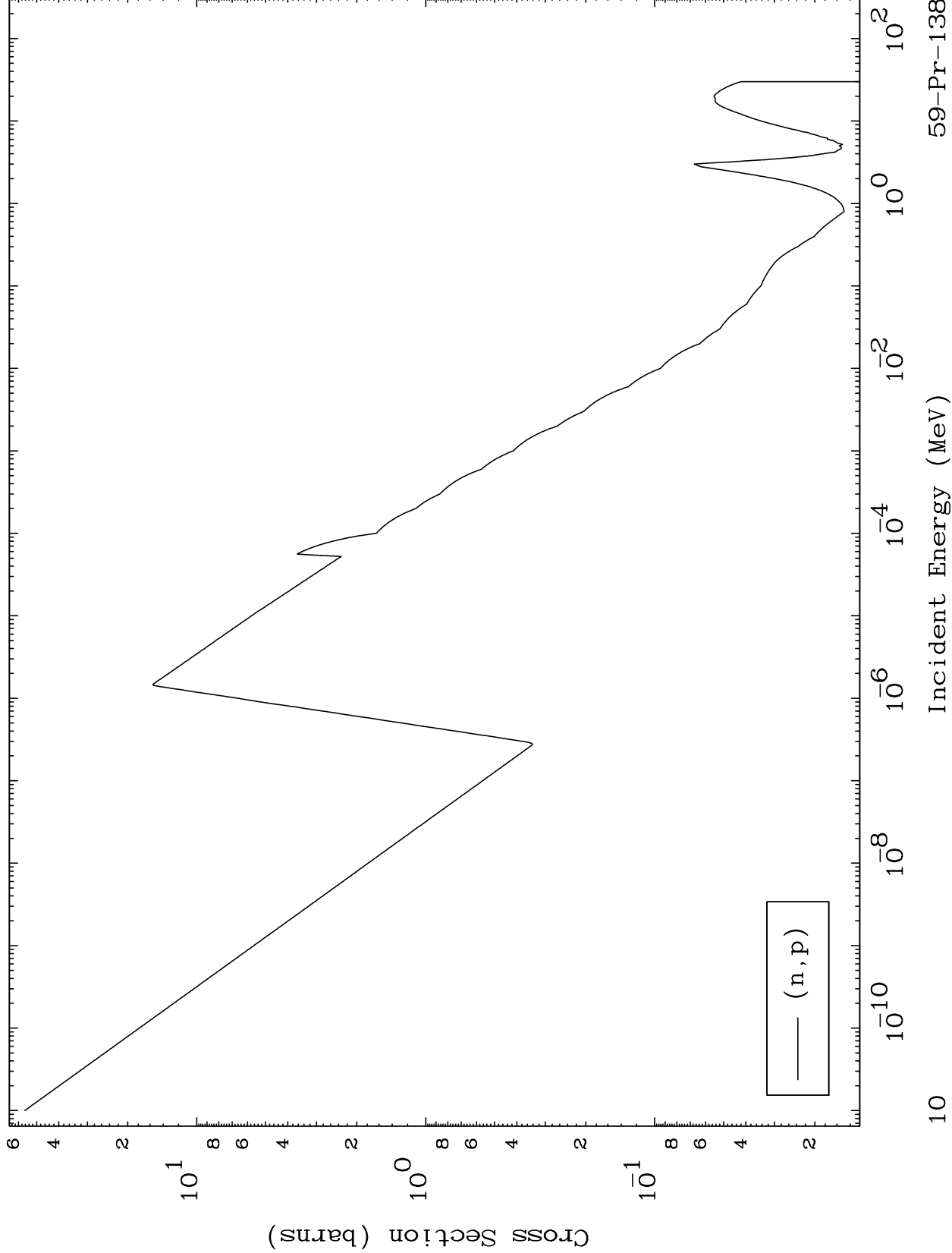
293 Kelvin Cross Sections



MAT 5916

(n,p) Levels  
293 Kelvin Cross Sections

59-Pr-138



10

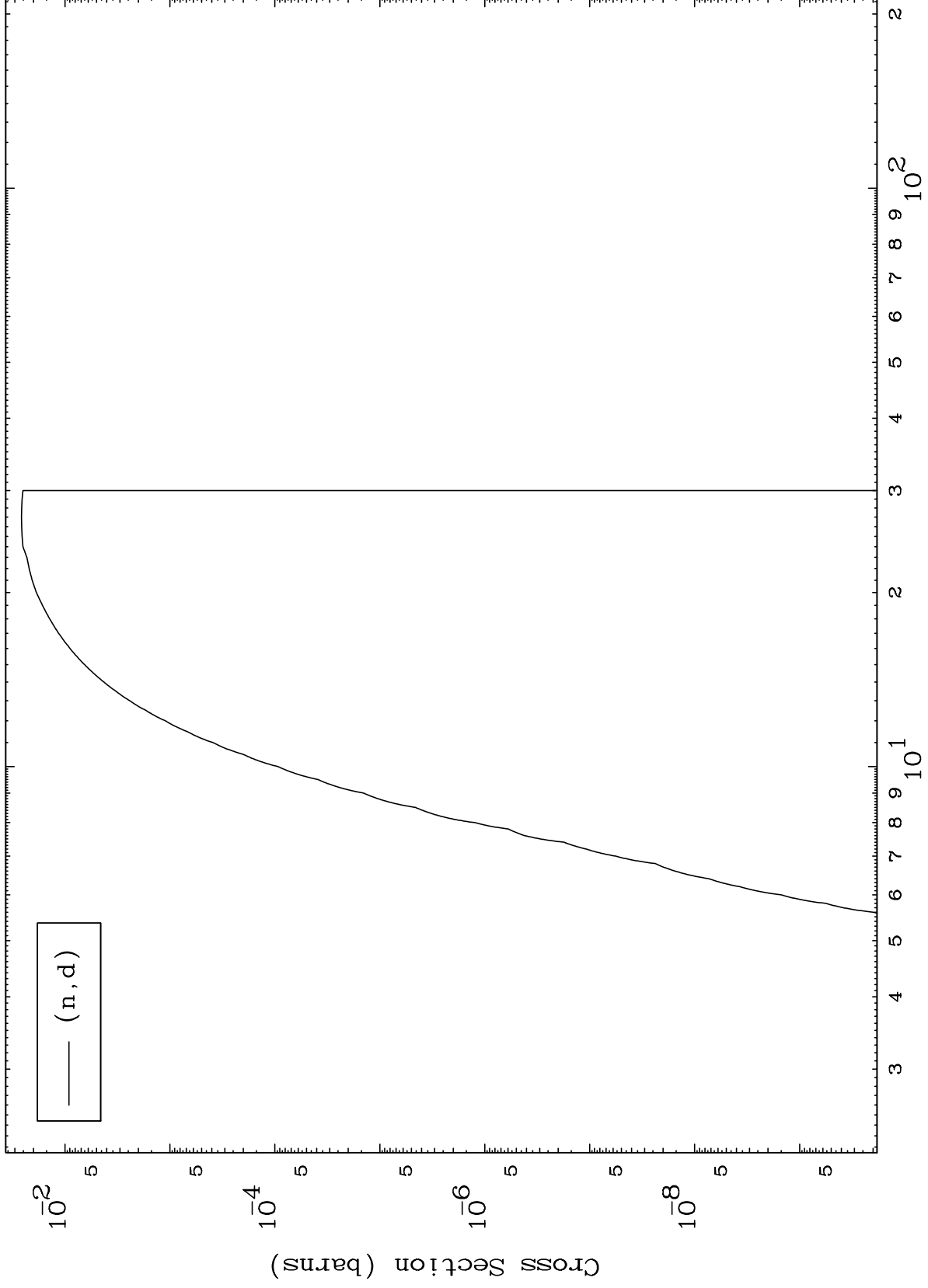
Incident Energy (MeV)

59-Pr-138

MAT 5916

(n,d) Levels  
293 Kelvin Cross Sections

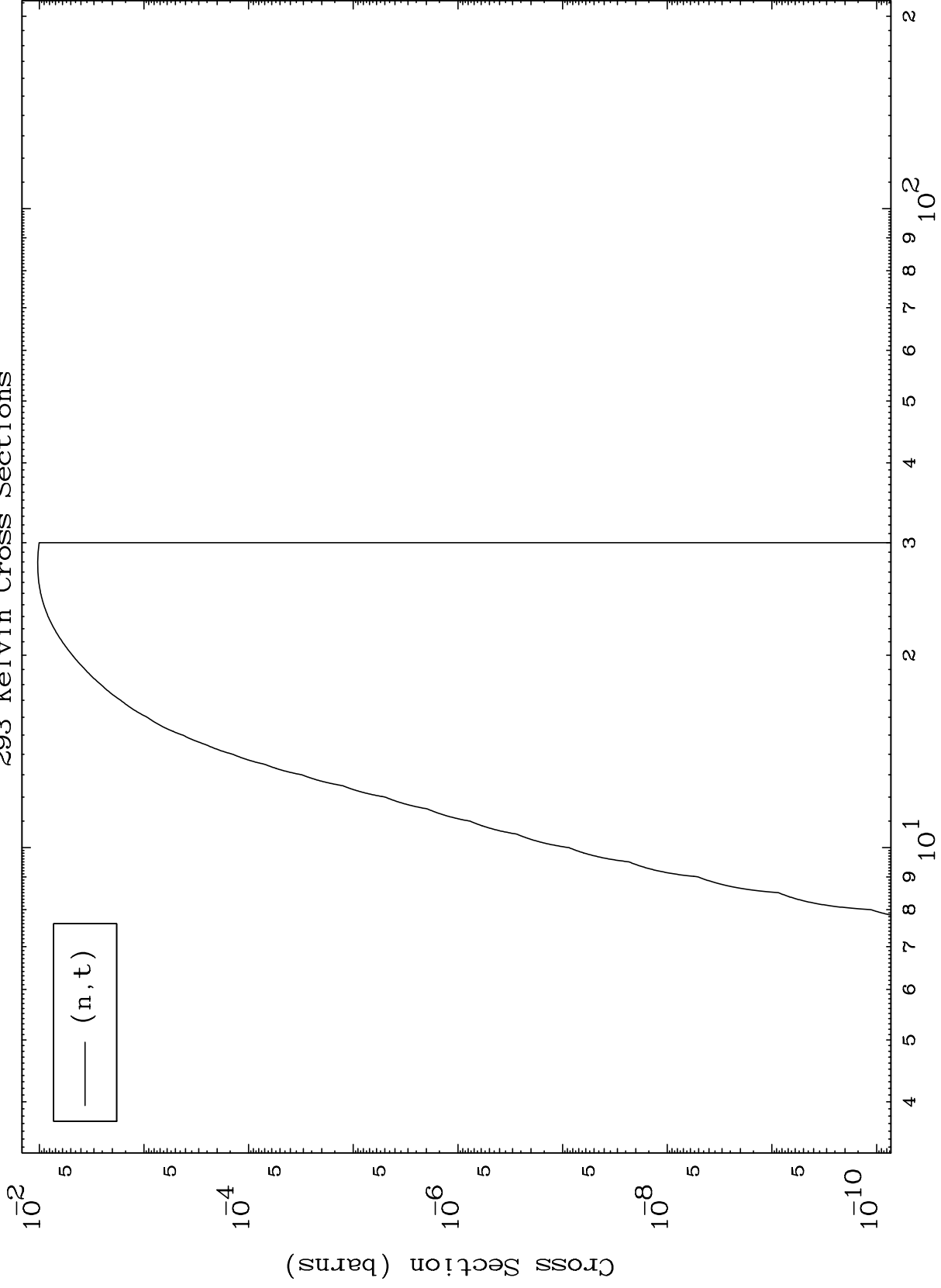
59-Pr-138



MAT 5916

(n,t) Levels  
293 Kelvin Cross Sections

59-Pr-138



12

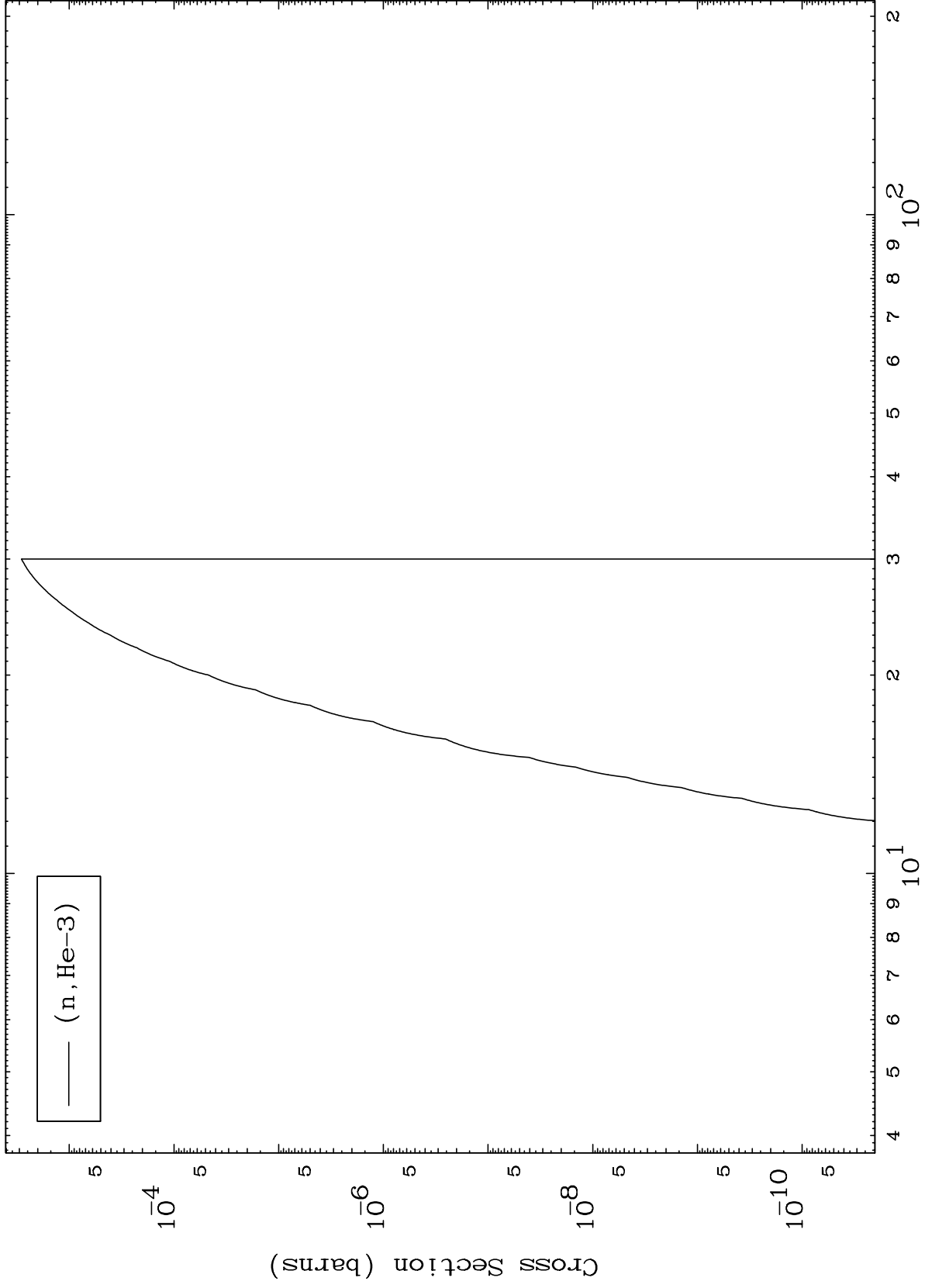
Incident Energy (MeV)

59-Pr-138

MAT 5916

(n,He3) Levels  
293 Kelvin Cross Sections

59-Pr-138



13

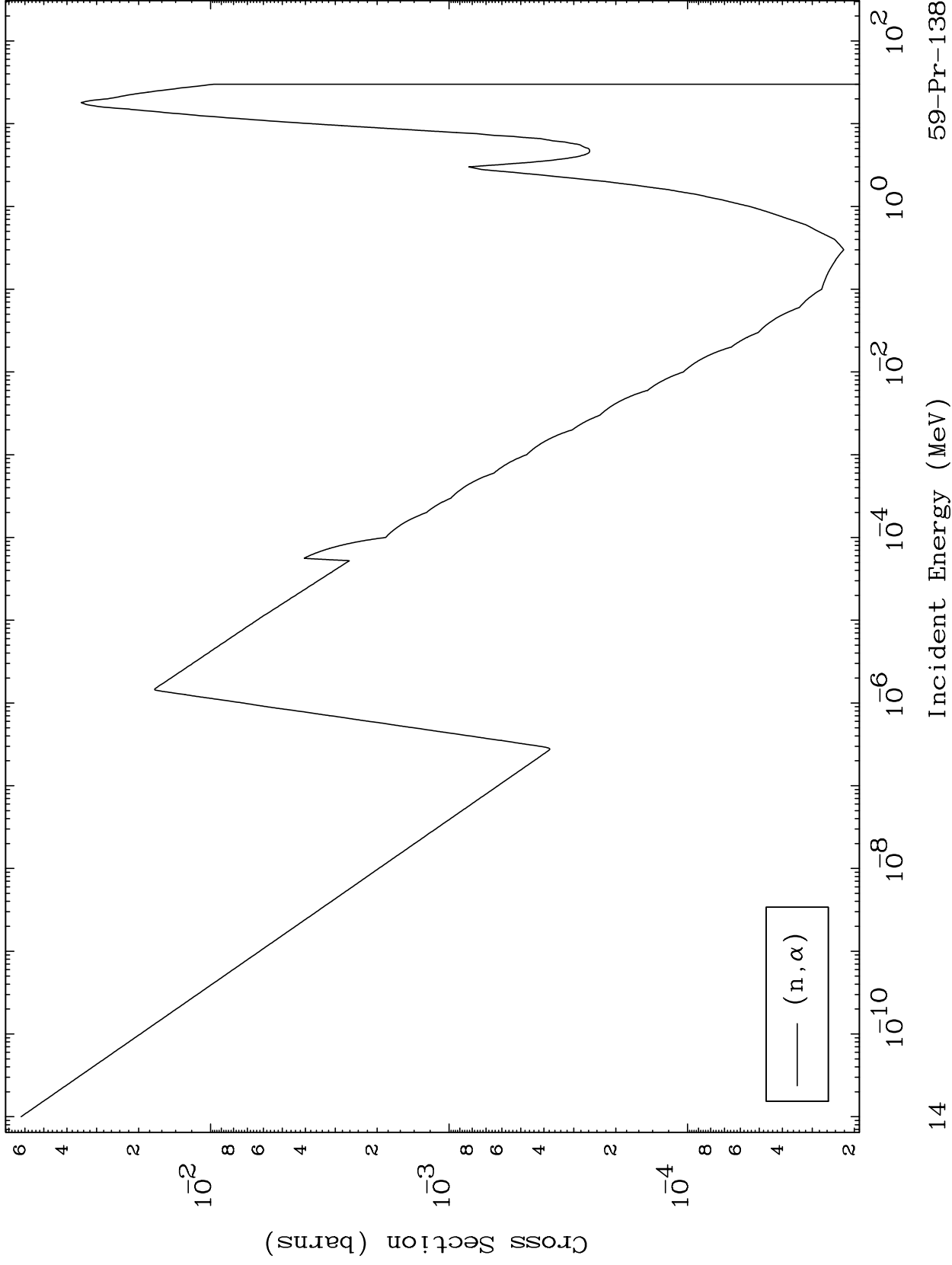
Incident Energy (MeV)

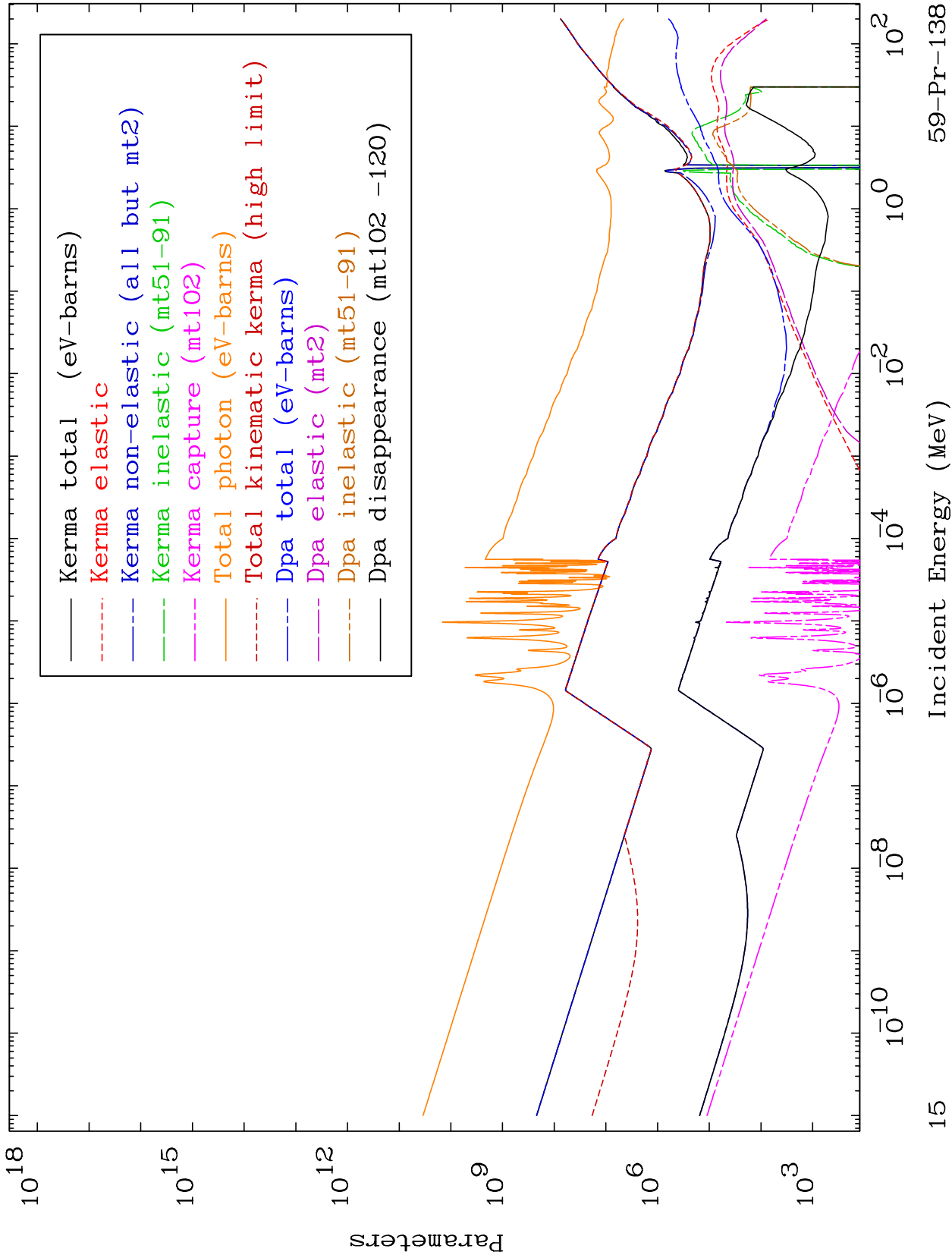
59-Pr-138

MAT 5916

(n,α) Levels  
293 Kelvin Cross Sections

59-Pr-138



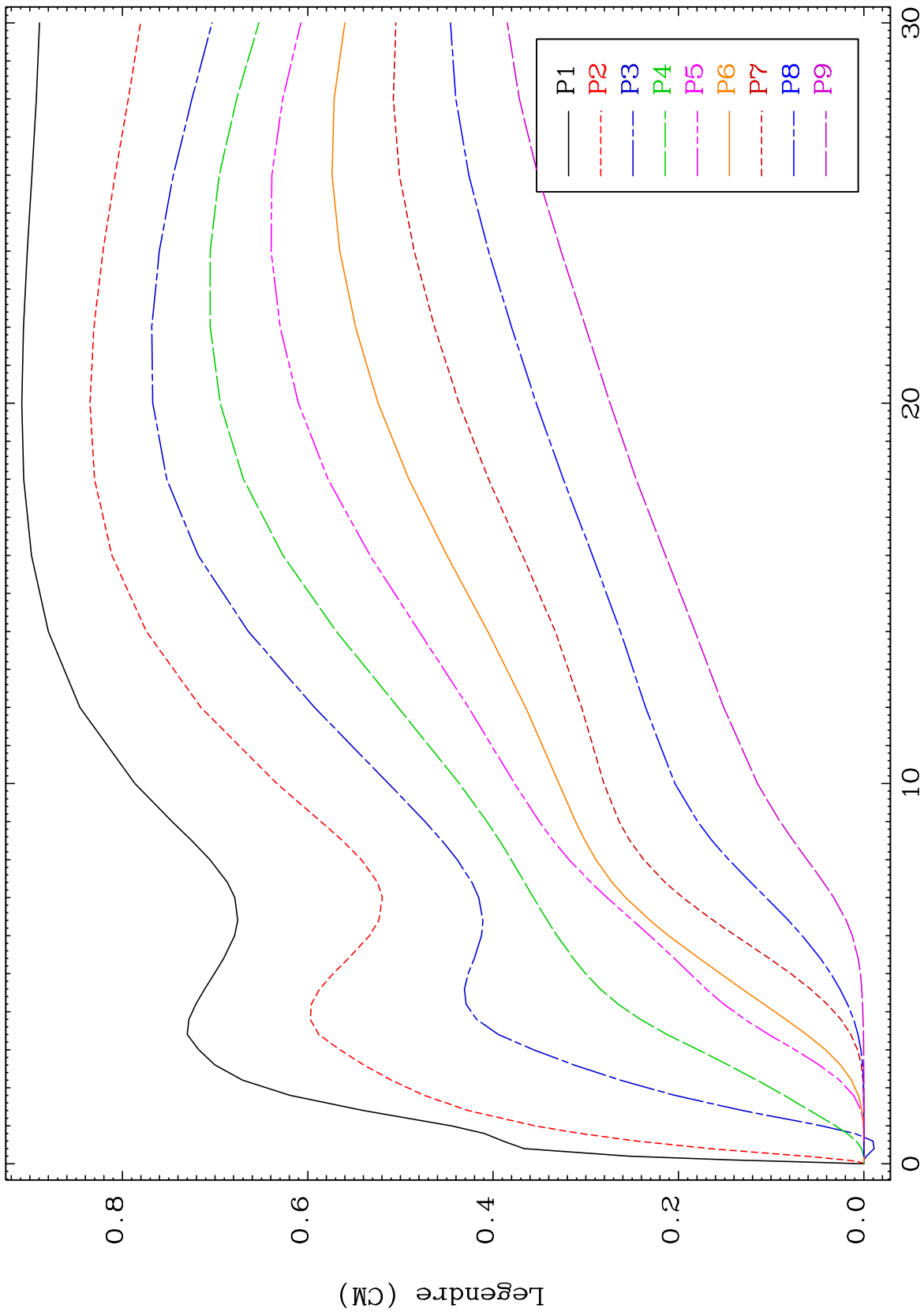




MAT 5916

59-Pr-138

Elastic Legendre Coefficients



59-Pr-138

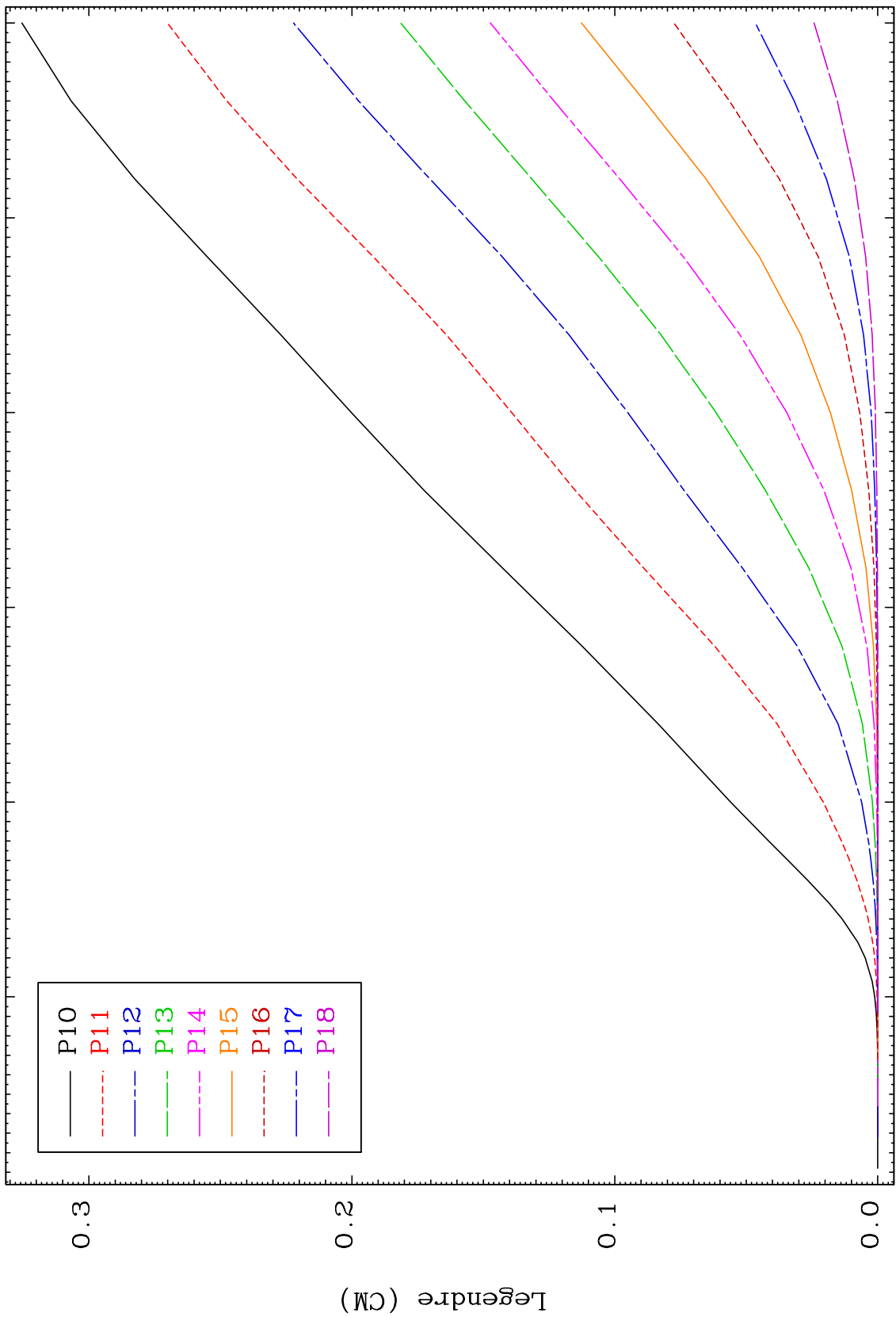
Incident Energy (MeV)

16

MAT 5916

Elastic  
Legendre Coefficients

59-Pr-138



17

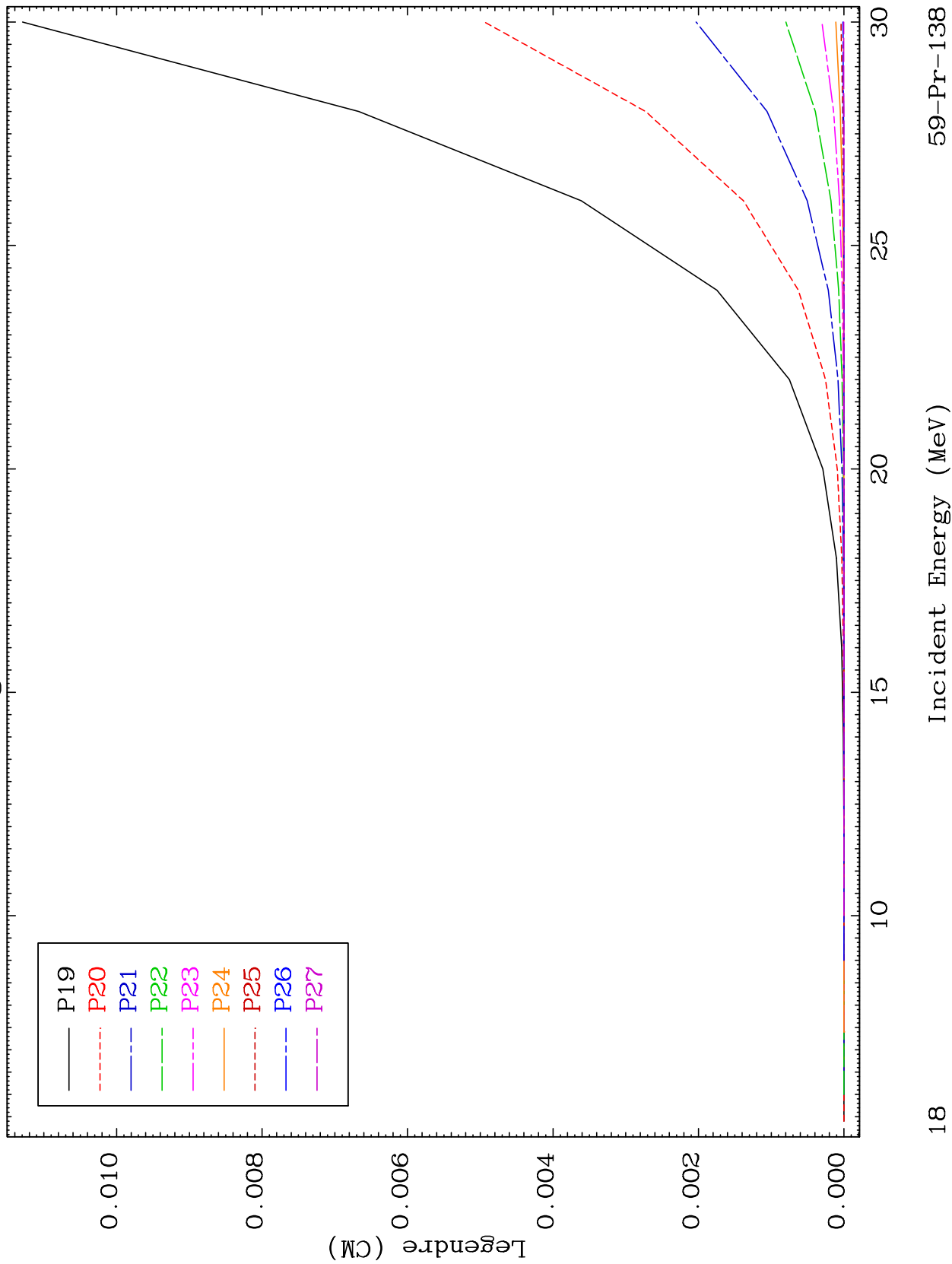
Incident Energy (MeV)

59-Pr-138

MAT 5916

Elastic Legendre Coefficients

59-Pr-138



18

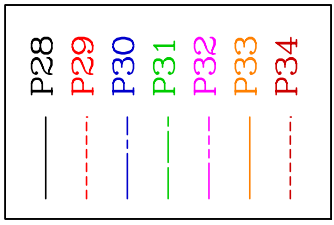
Incident Energy (MeV)

59-Pr-138

MAT 5916

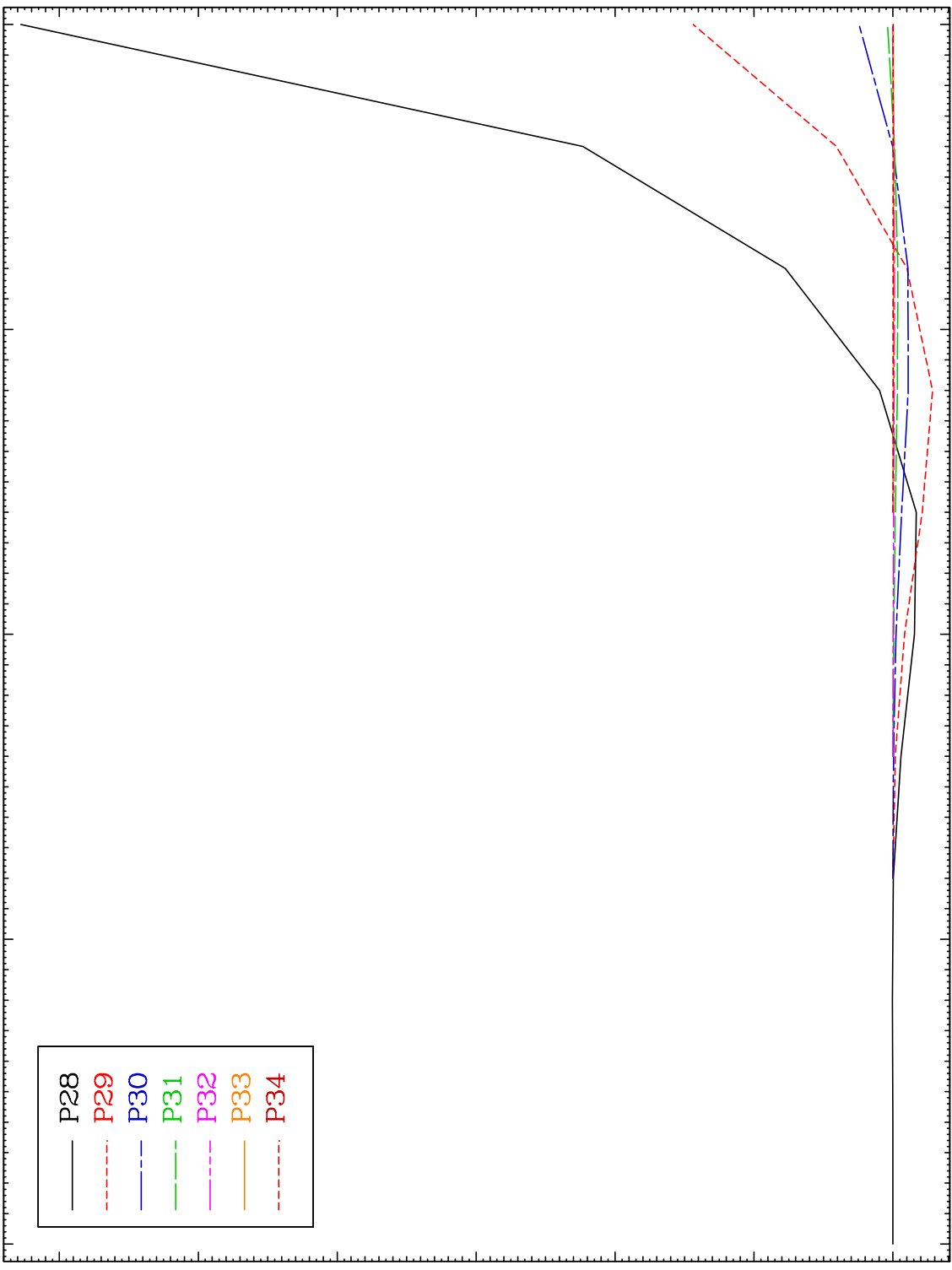
Elastic Legendre Coefficients

59-Pr-138



$\times 10^{-6}$

Legendre (CM)



30

25

20

15

10

Incident Energy (MeV)

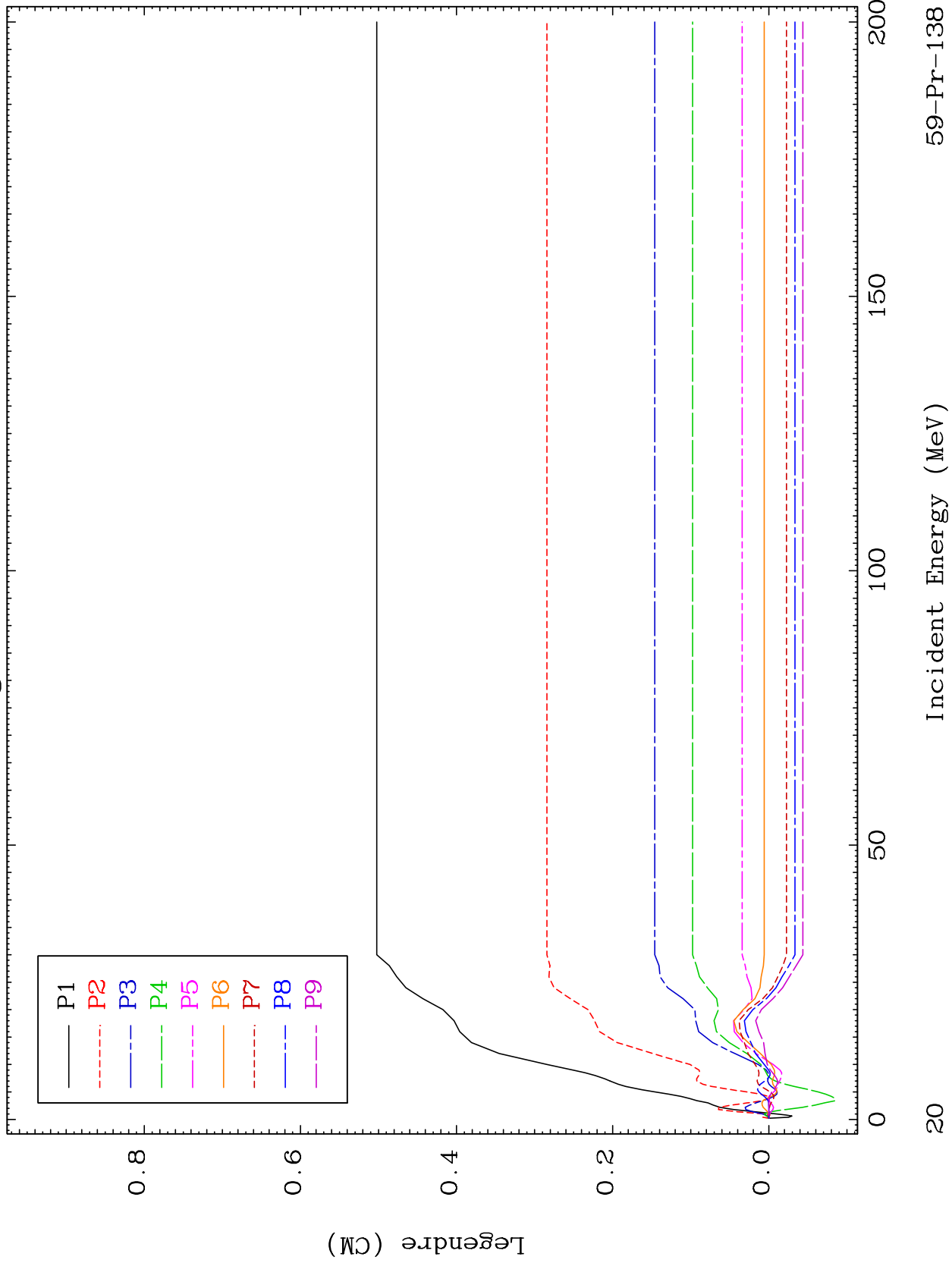
59-Pr-138

19

MAT 5916

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

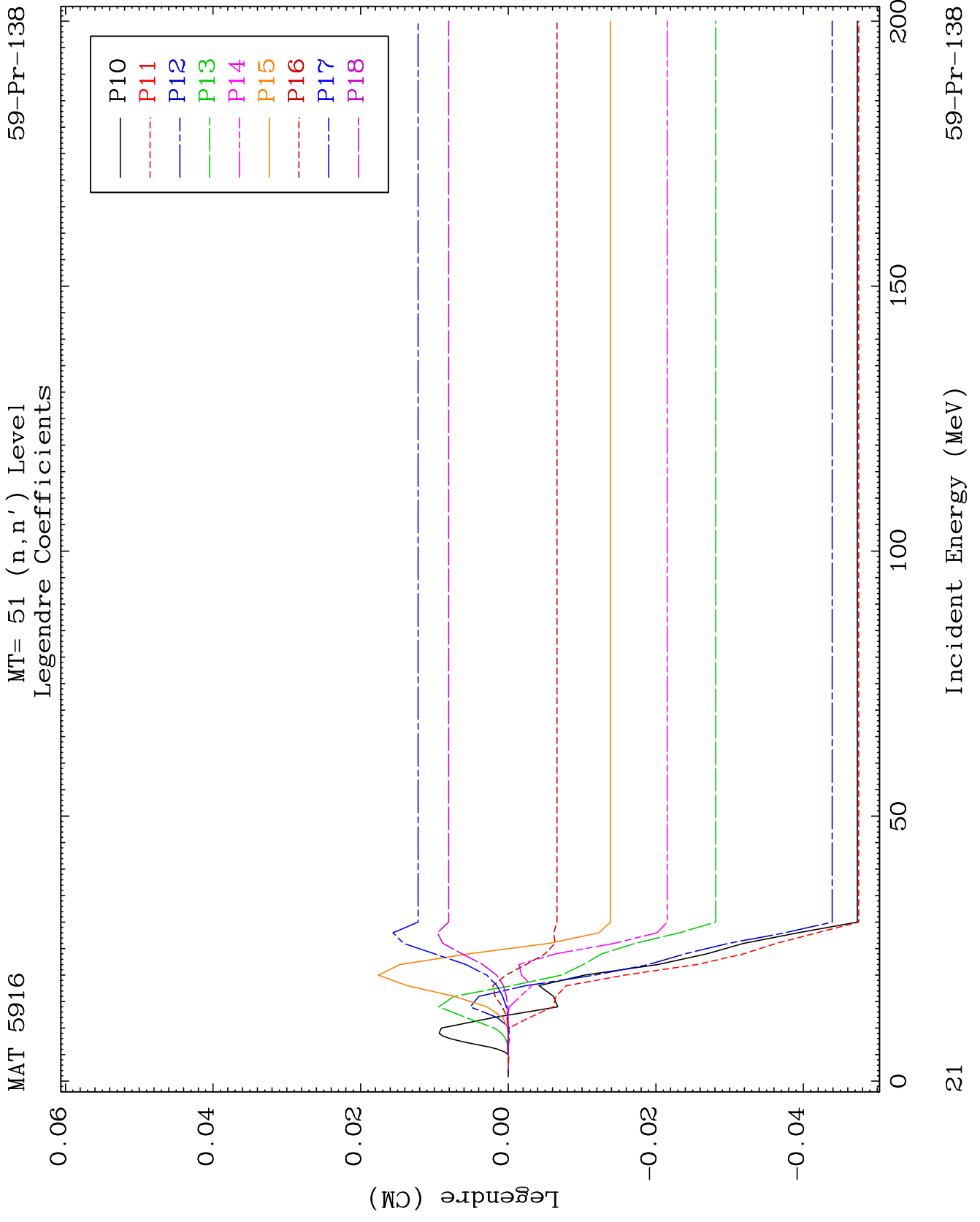
59-Pr-138

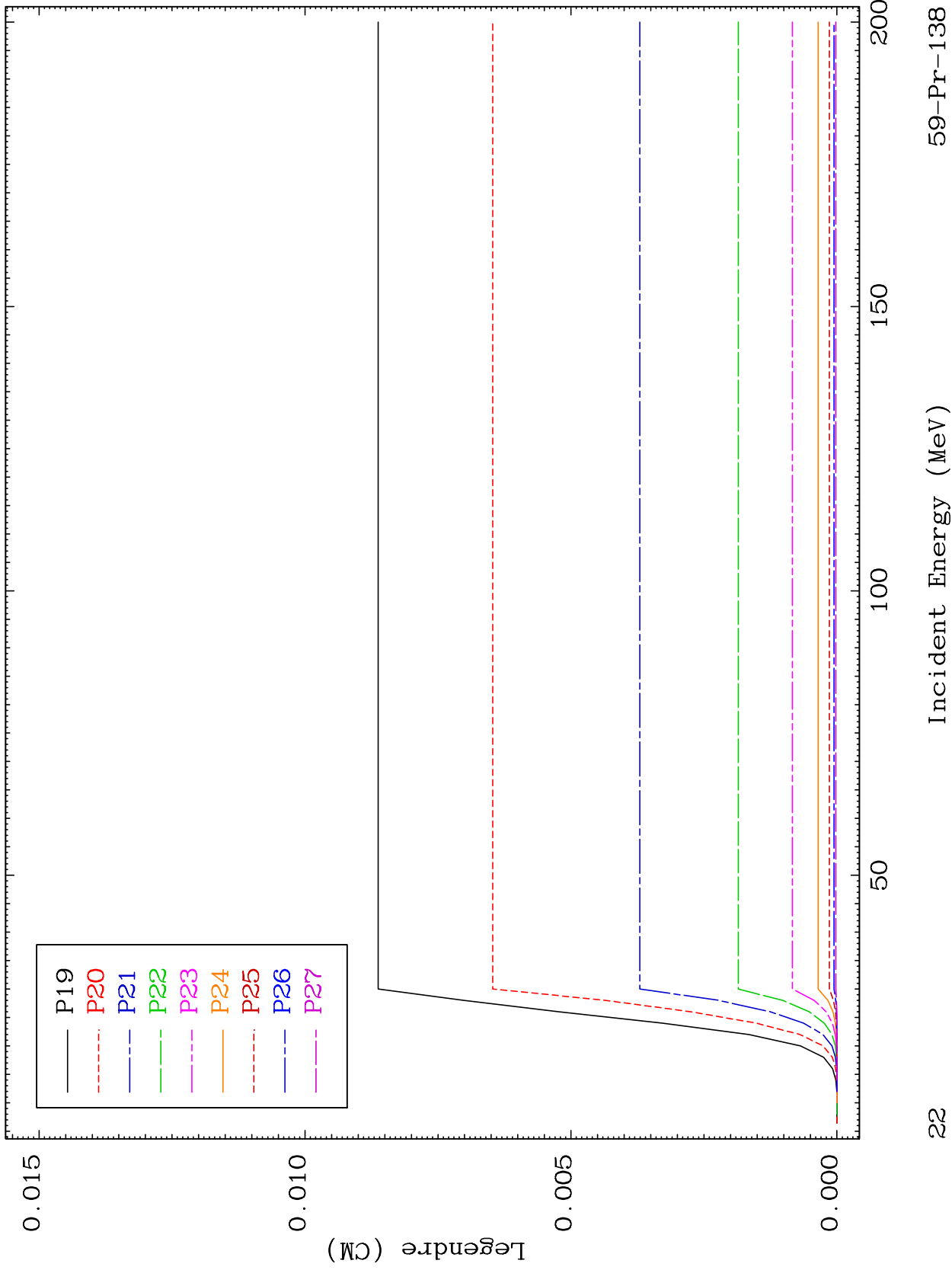


59-Pr-138

Incident Energy (MeV)

0

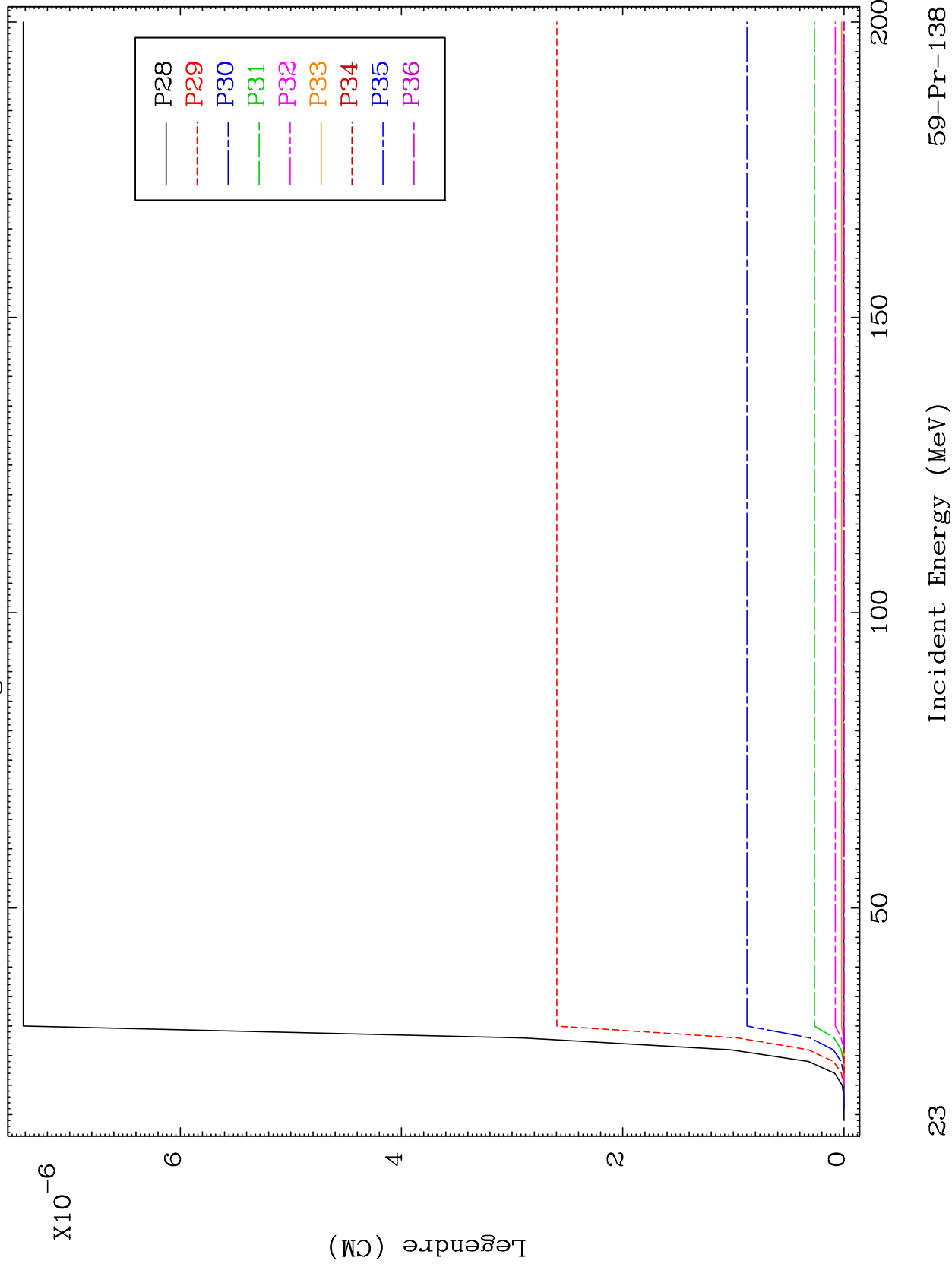




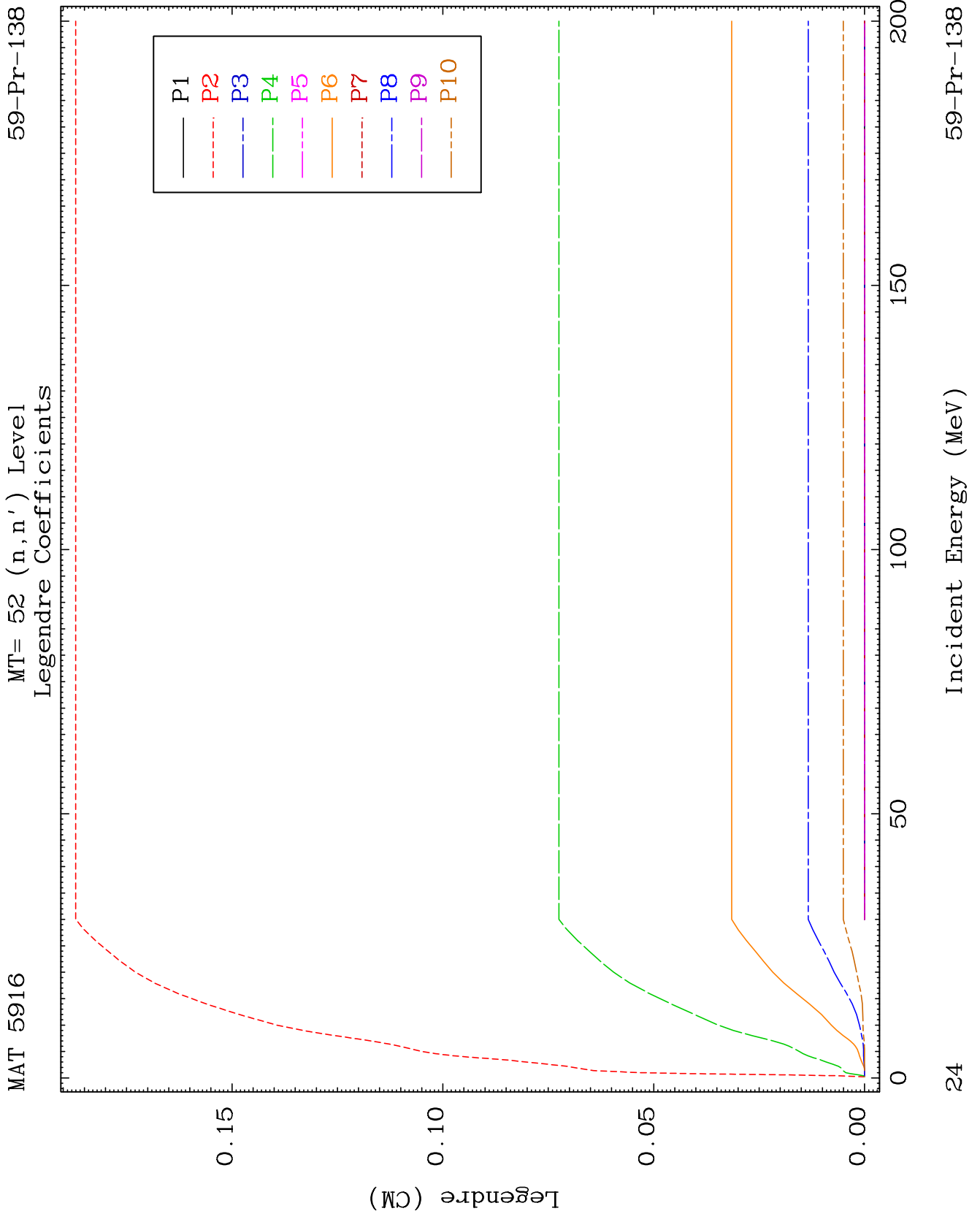
MAT 5916

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

59-Pr-138



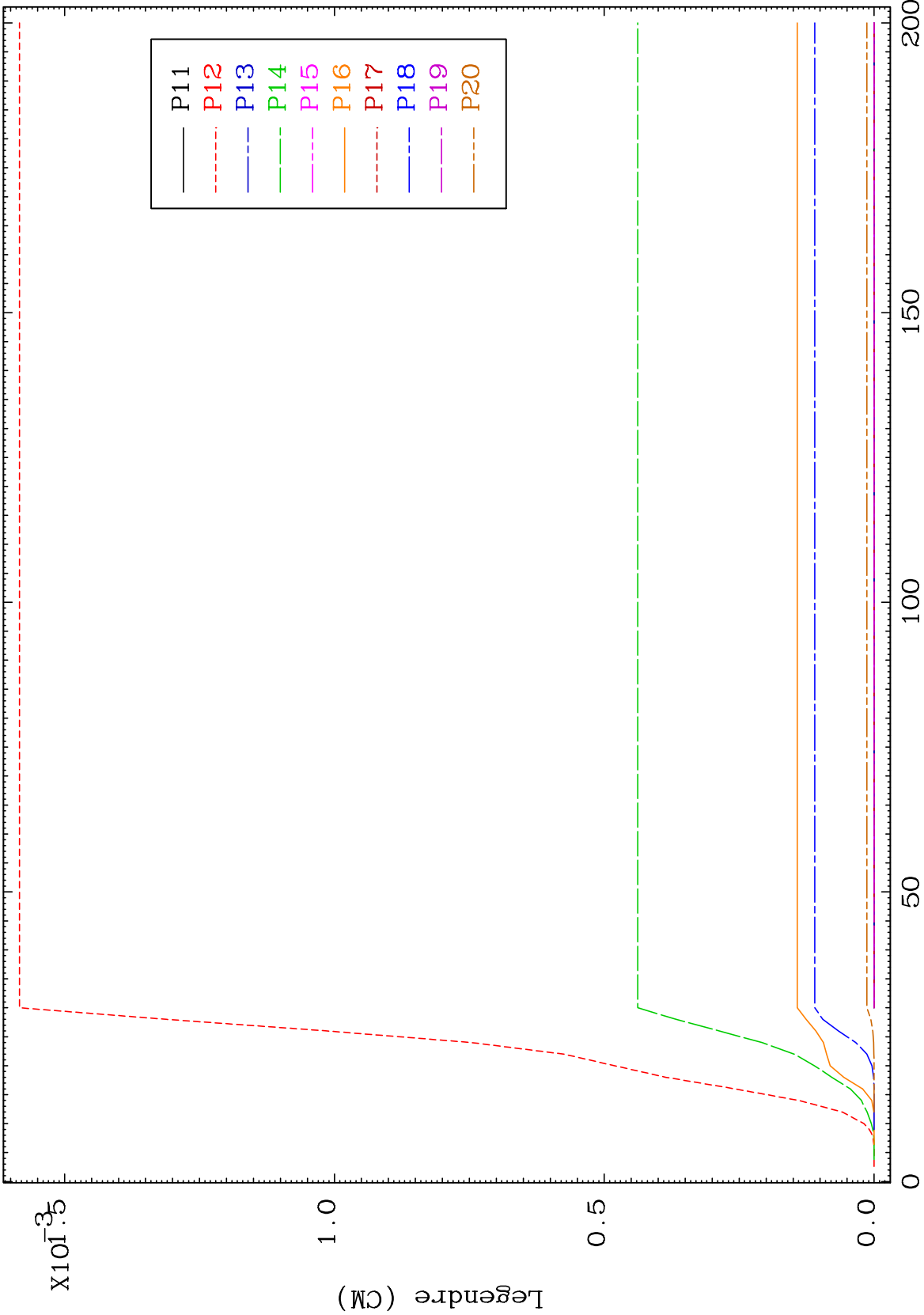




MAT 5916

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

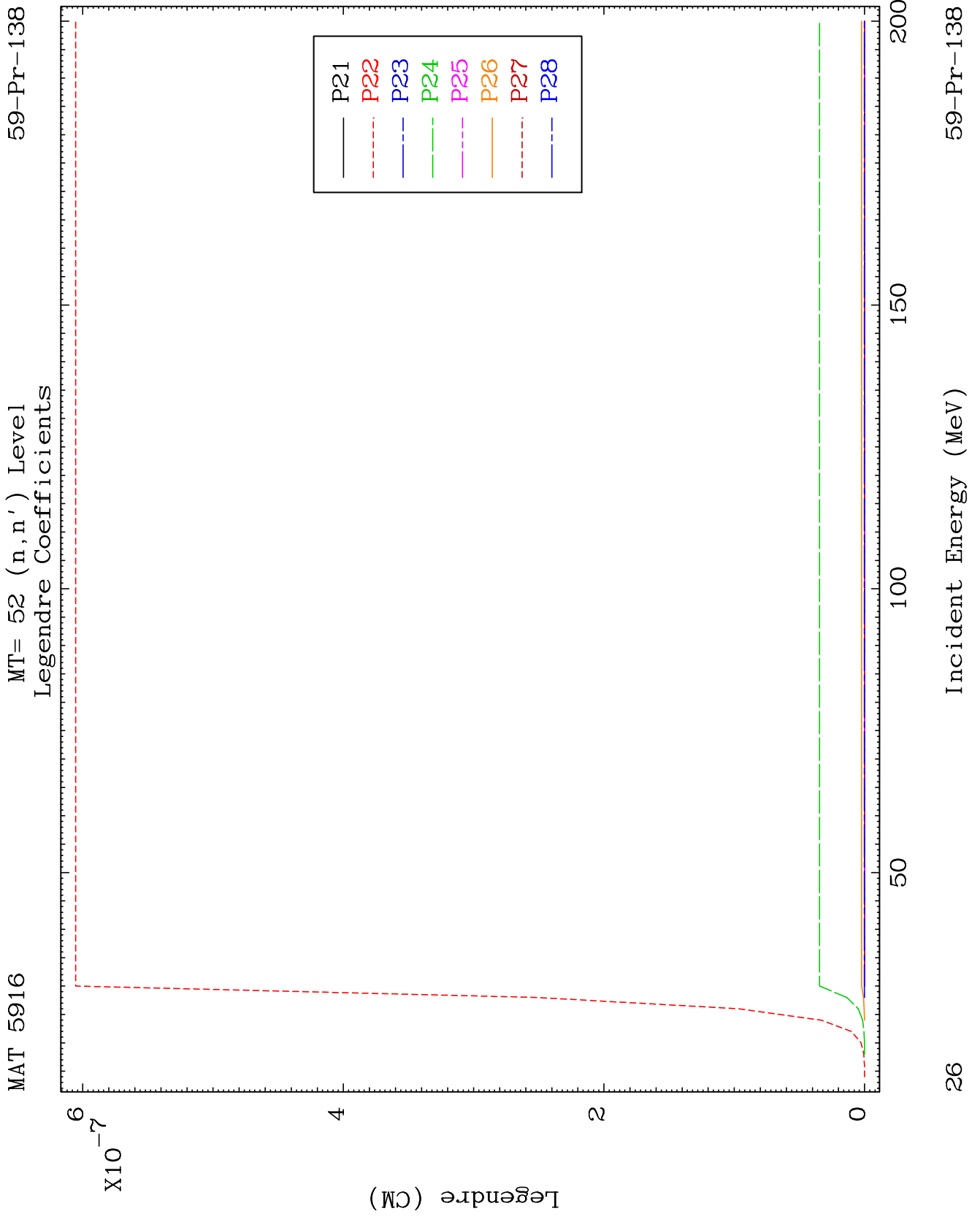
59-Pr-138



25

Incident Energy (MeV)

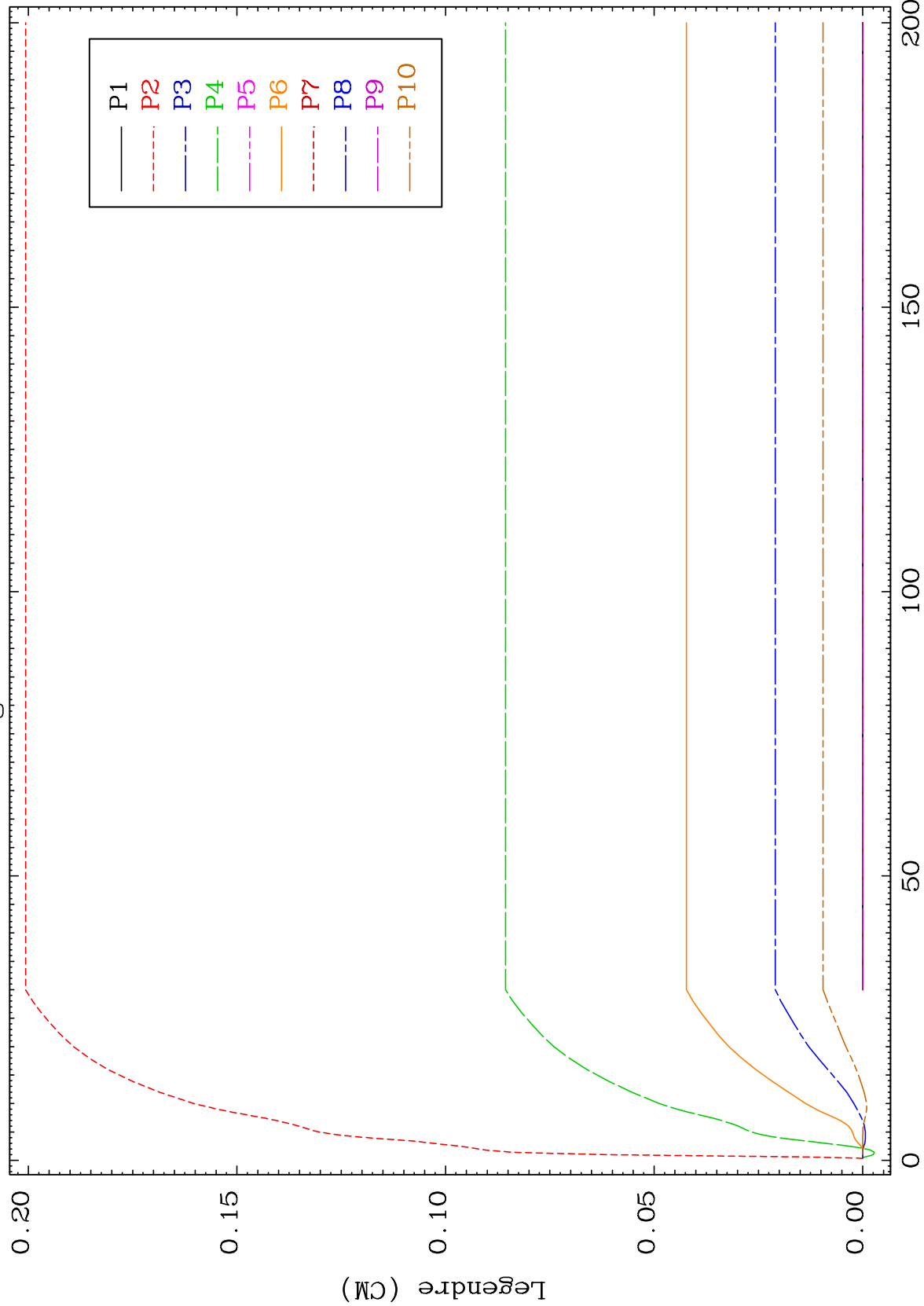
59-Pr-138



MAT 5916

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

59-Pr-138



27

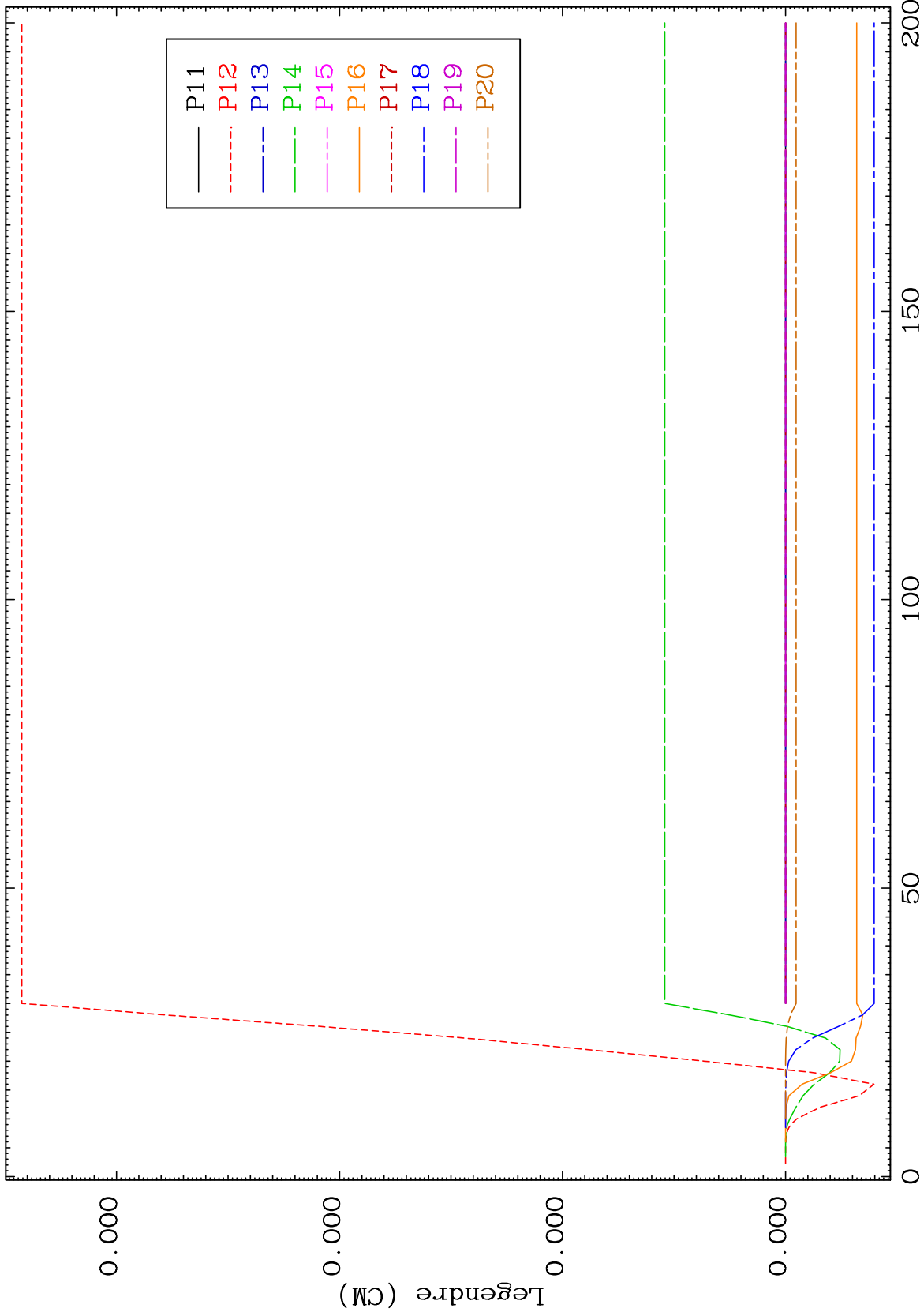
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



28

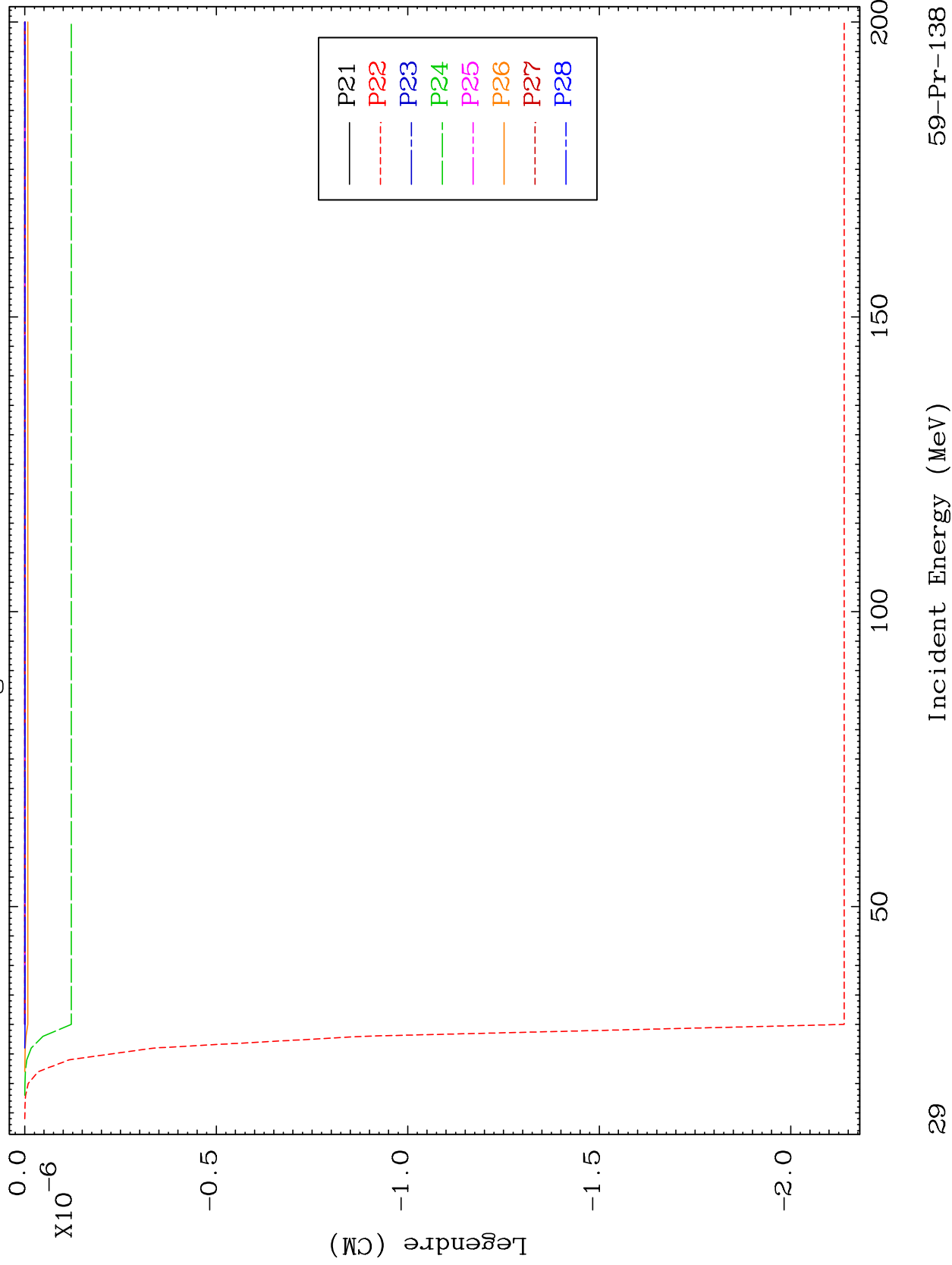
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



29

Incident Energy (MeV)

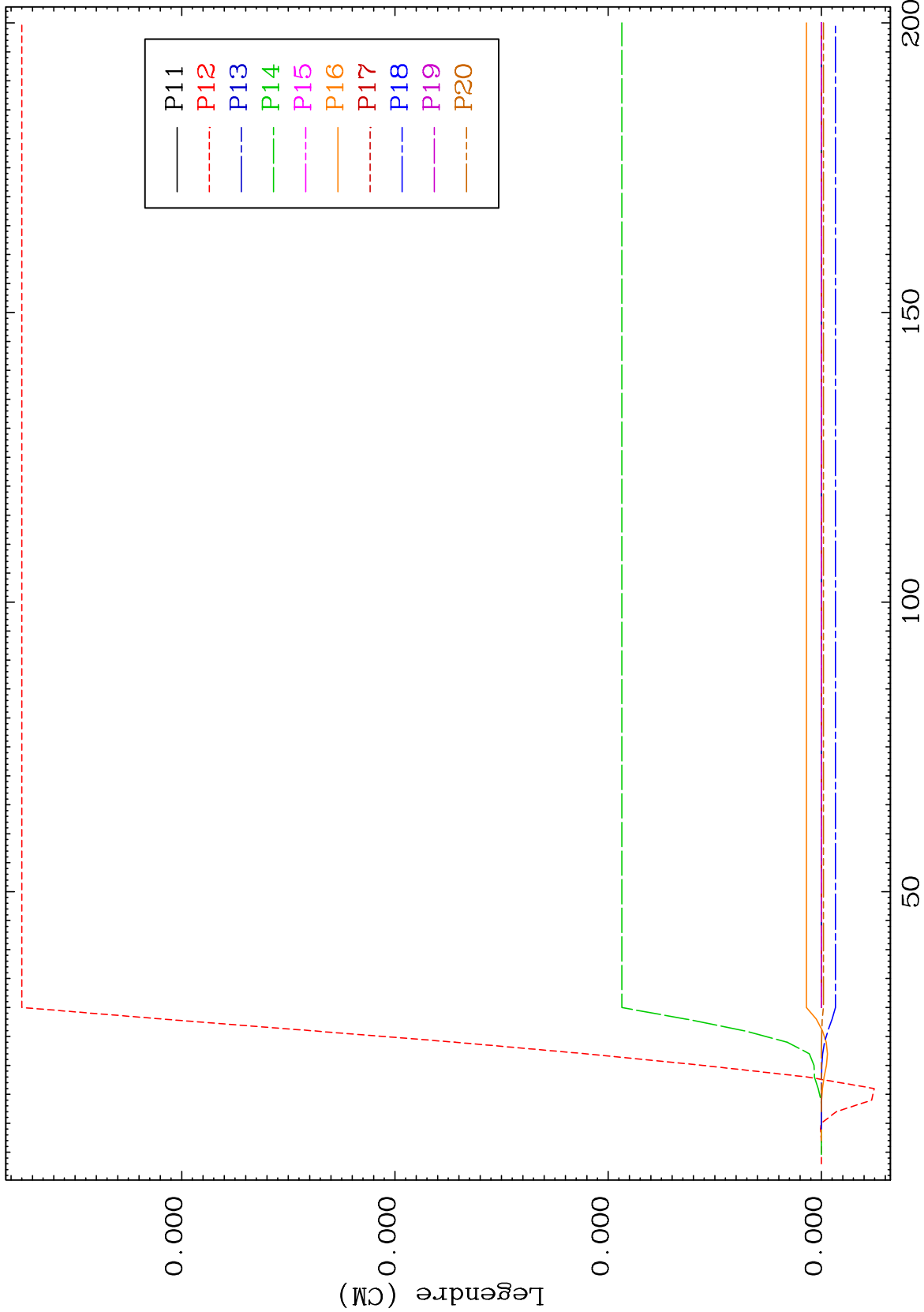
59-Pr-138



MAT 5916

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

59-Pr-138



31

Incident Energy (MeV)

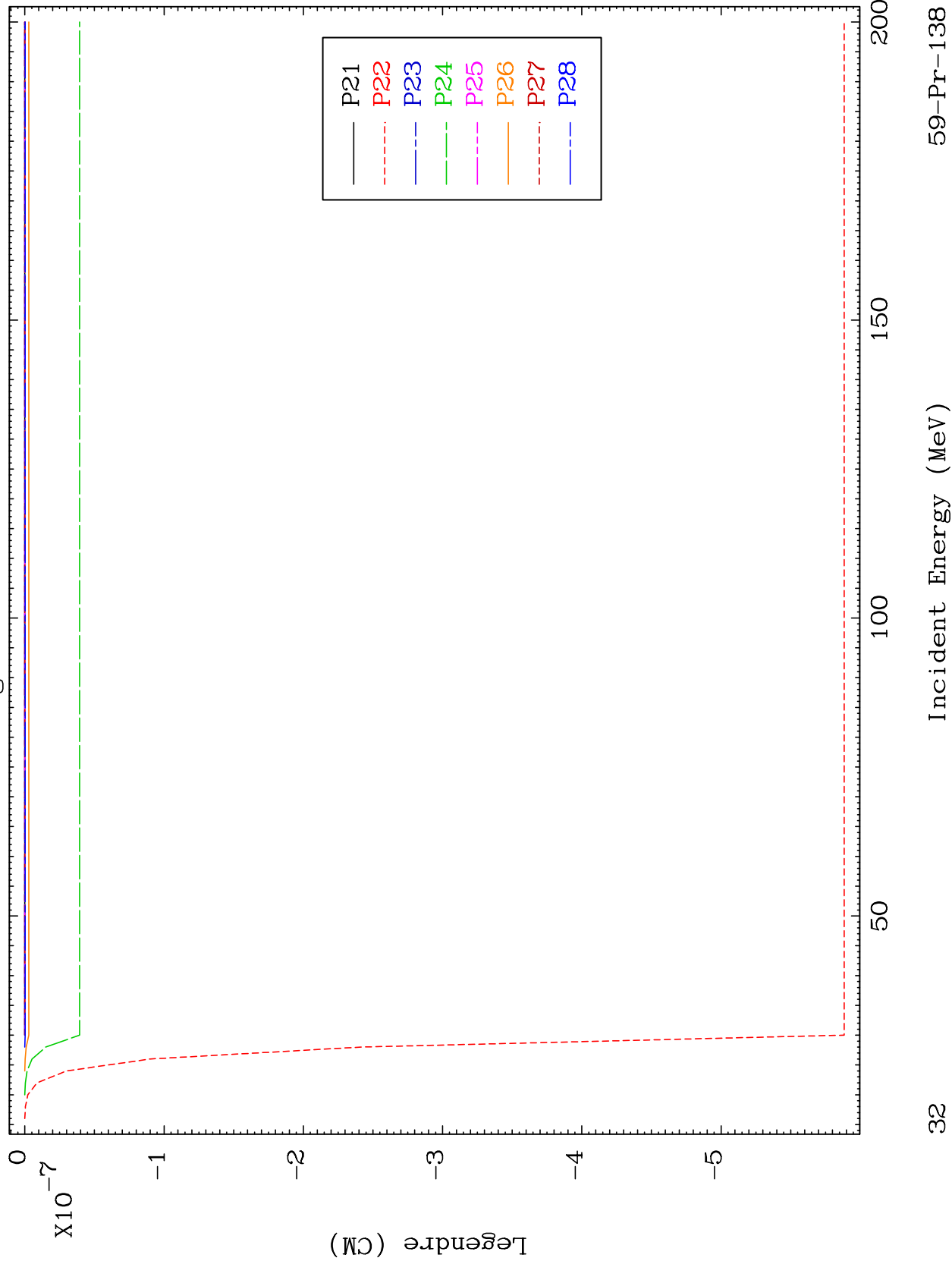
59-Pr-138



MAT 5916

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

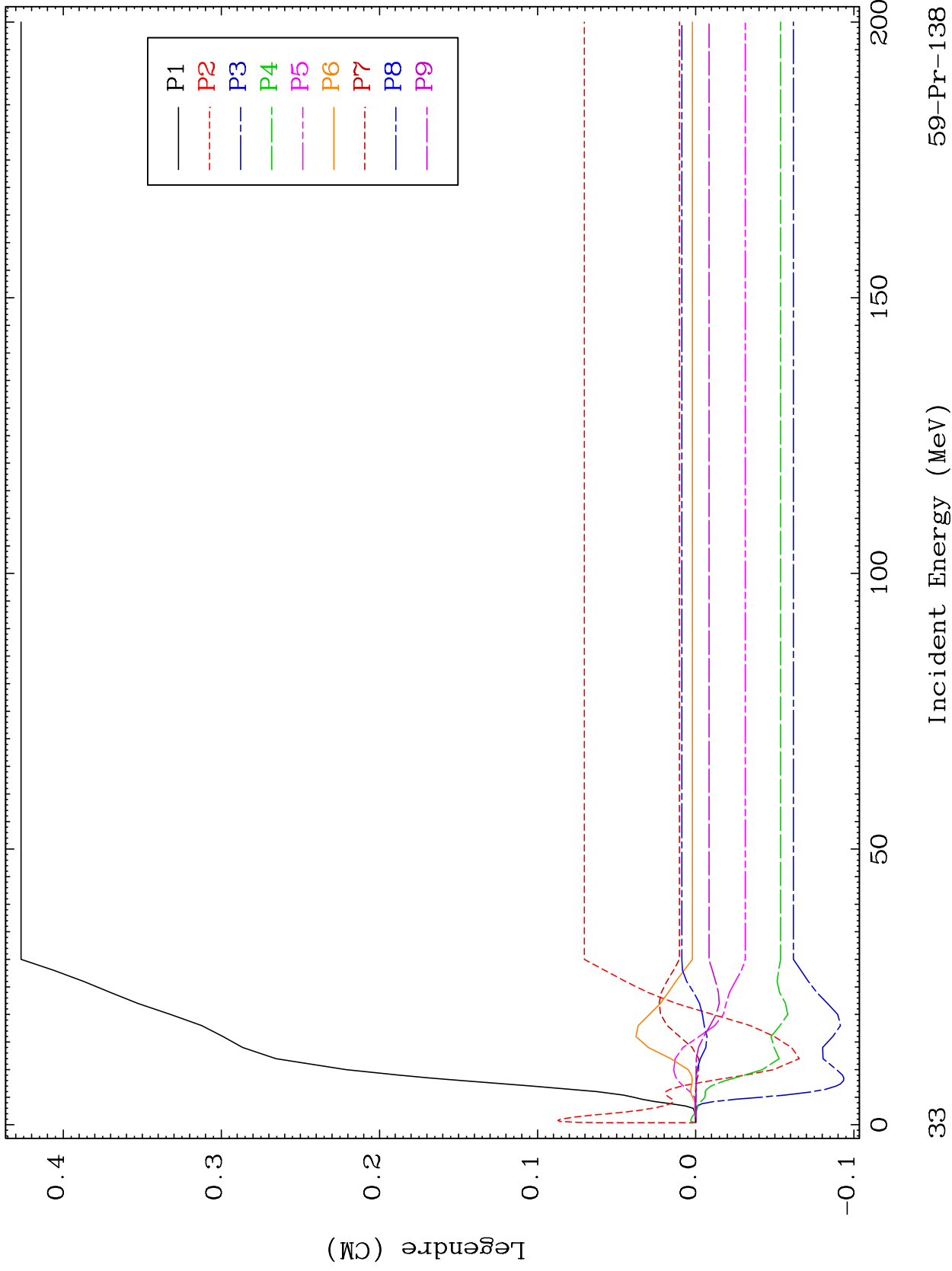
59-Pr-138



32

Incident Energy (MeV)

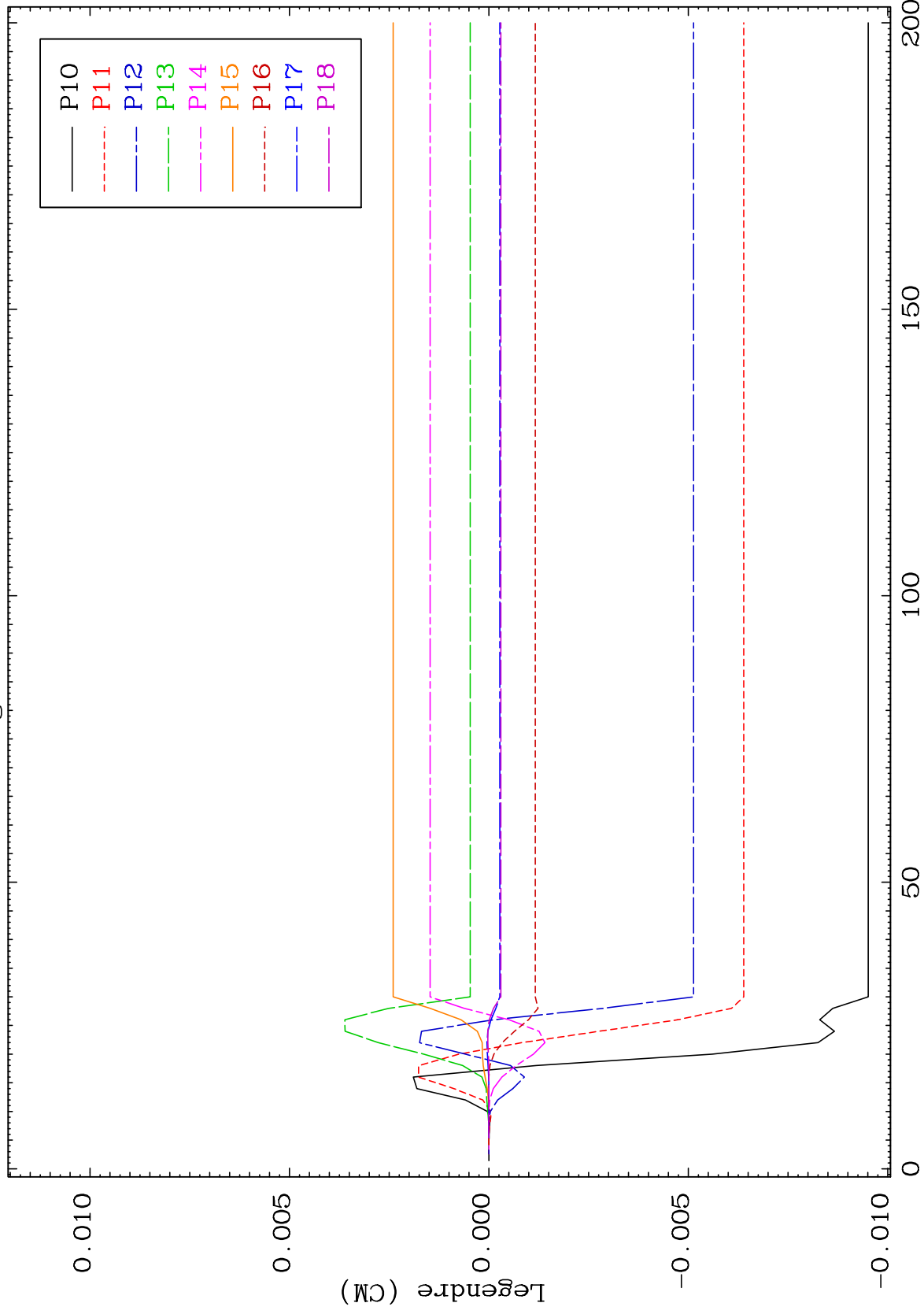
59-Pr-138



MAT 5916

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

59-Pr-138



34

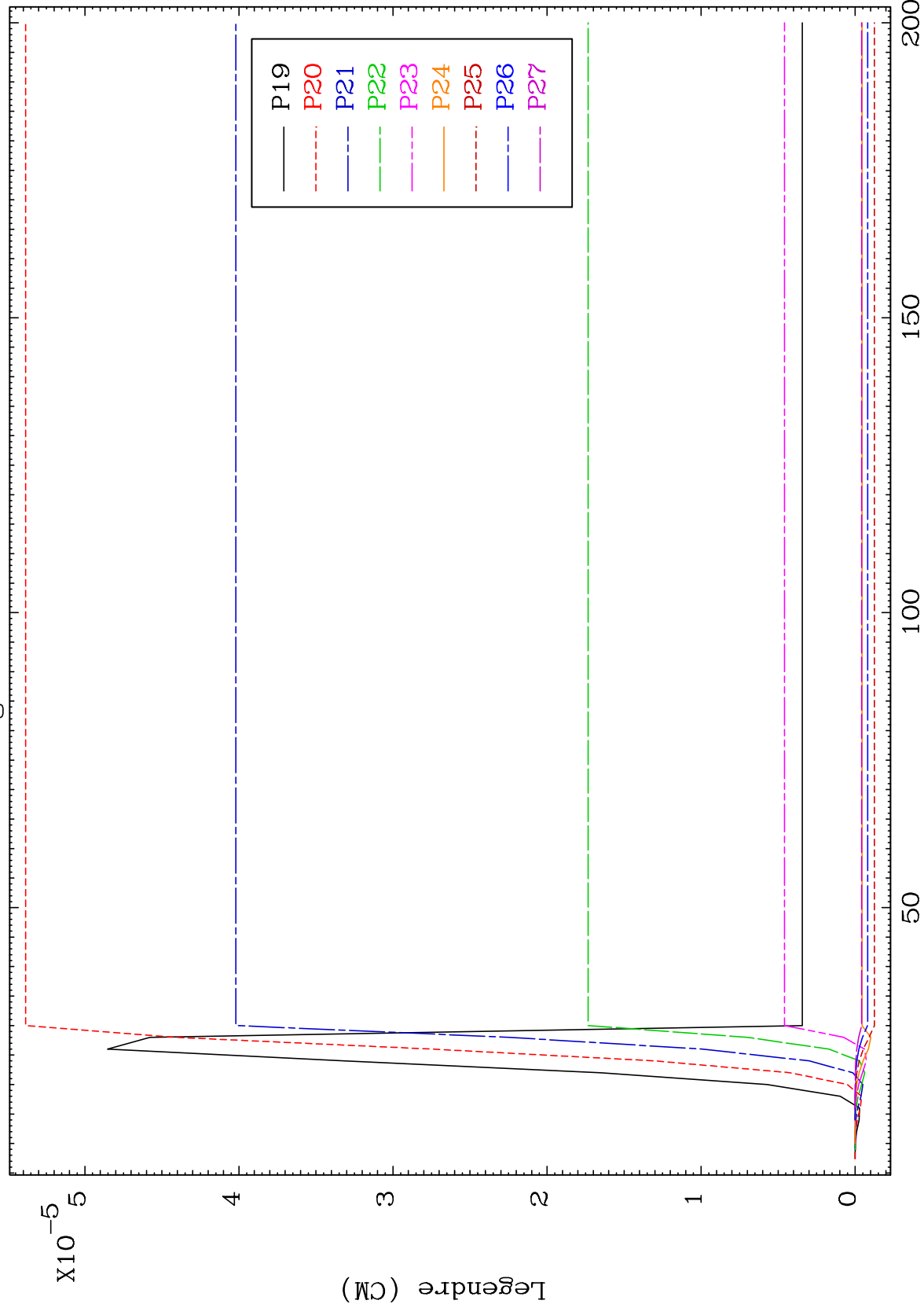
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138

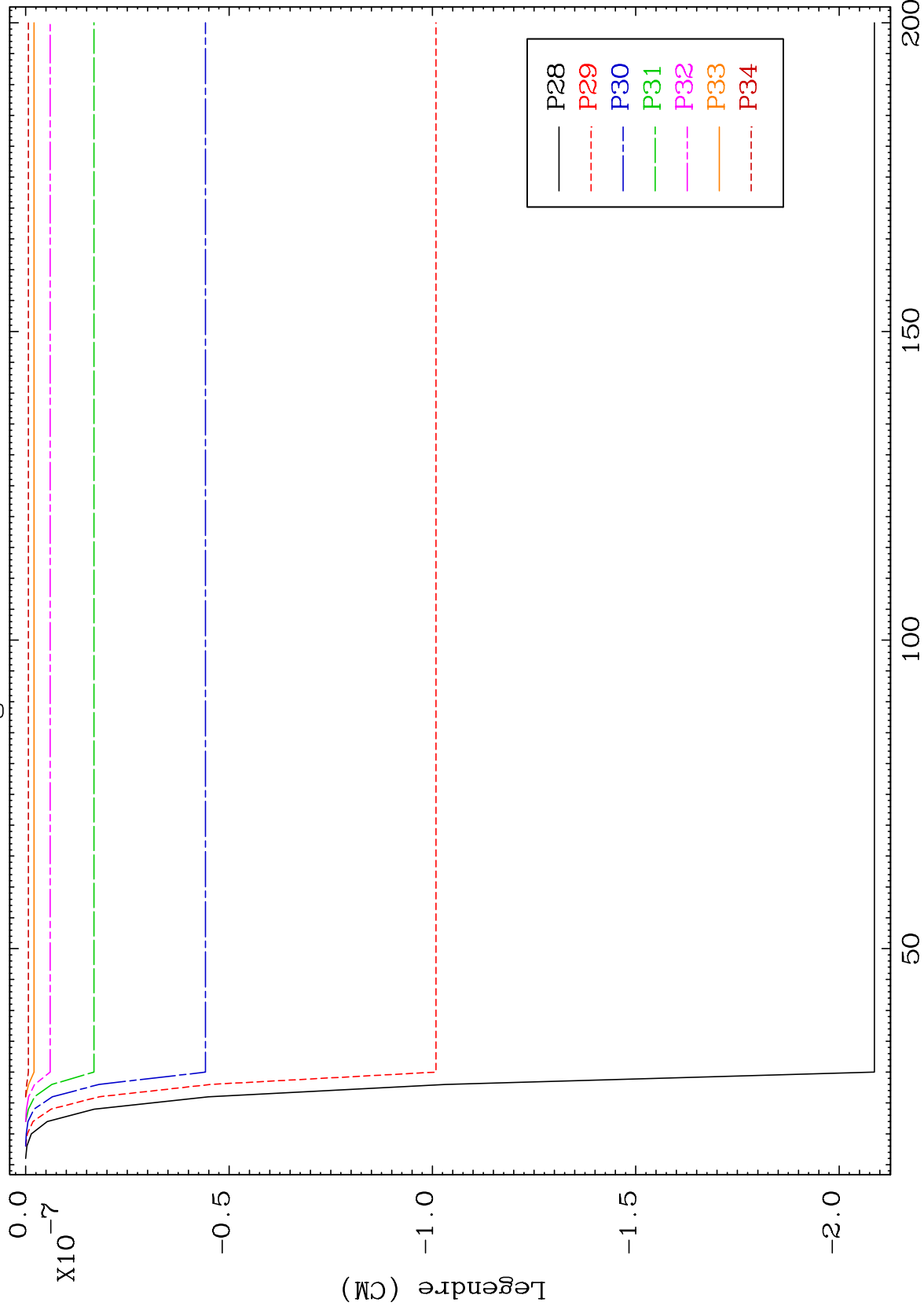


35

Incident Energy (MeV)

59-Pr-138

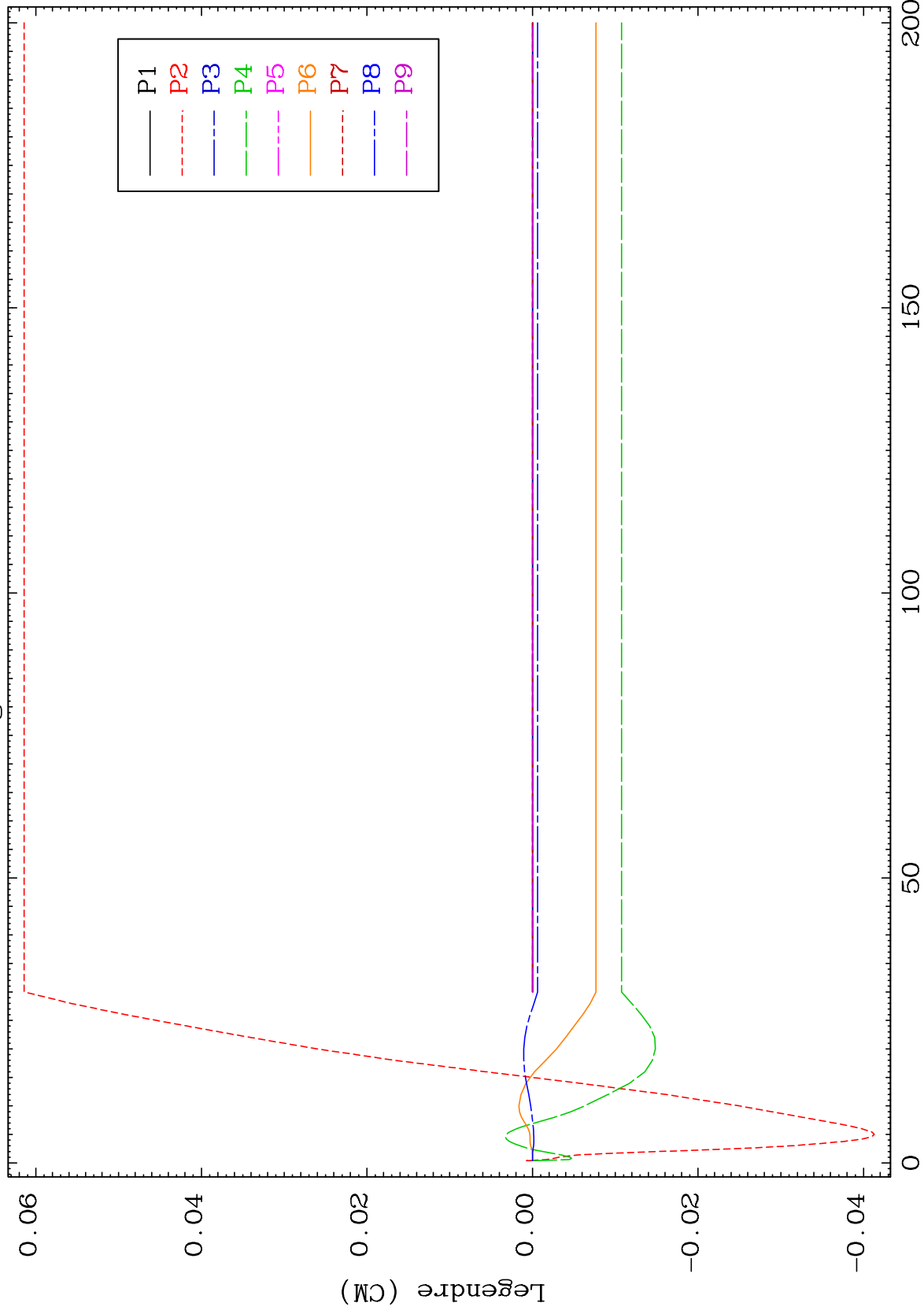
Legendre Coefficients



MAT 5916

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

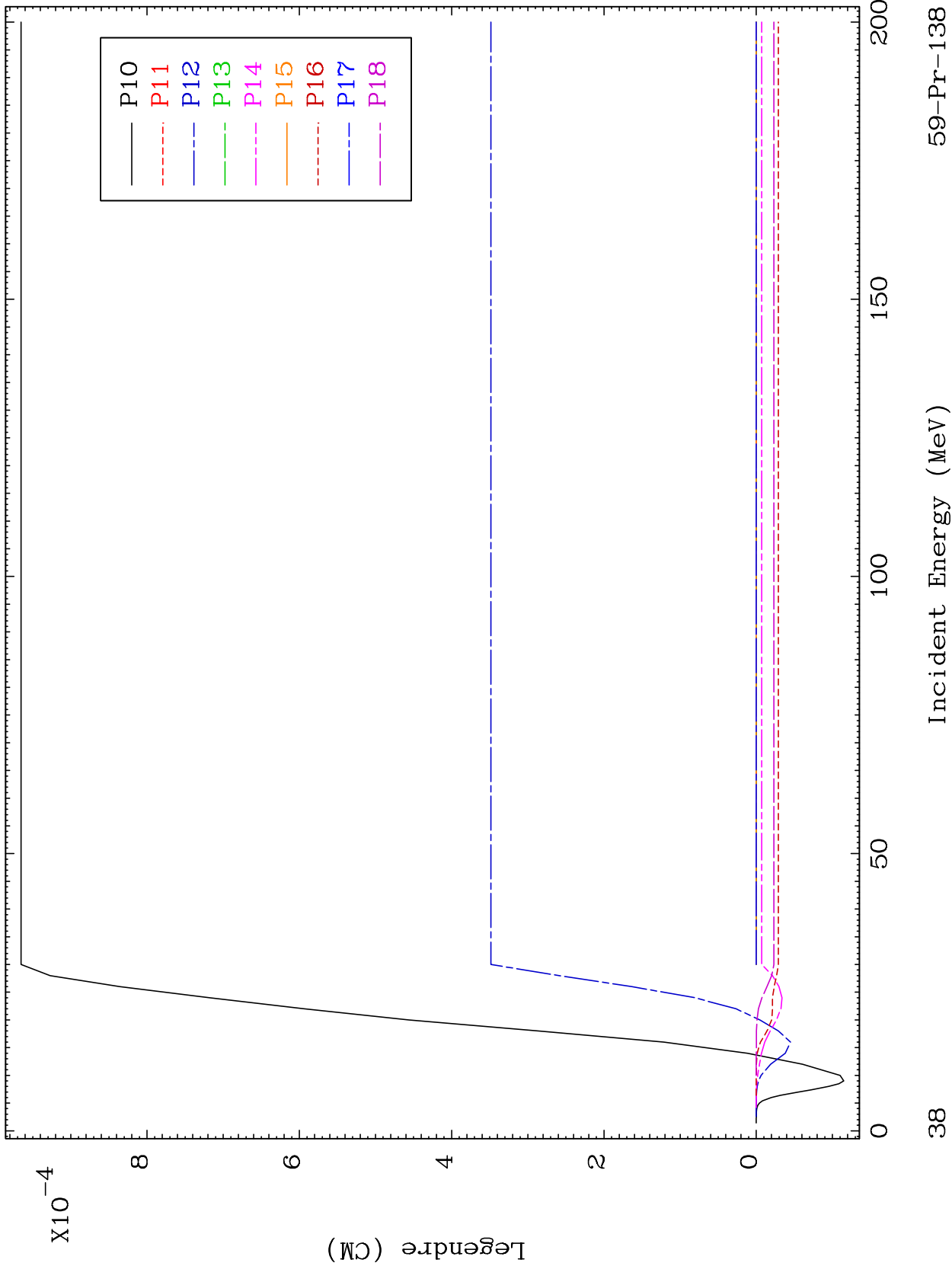
59-Pr-138

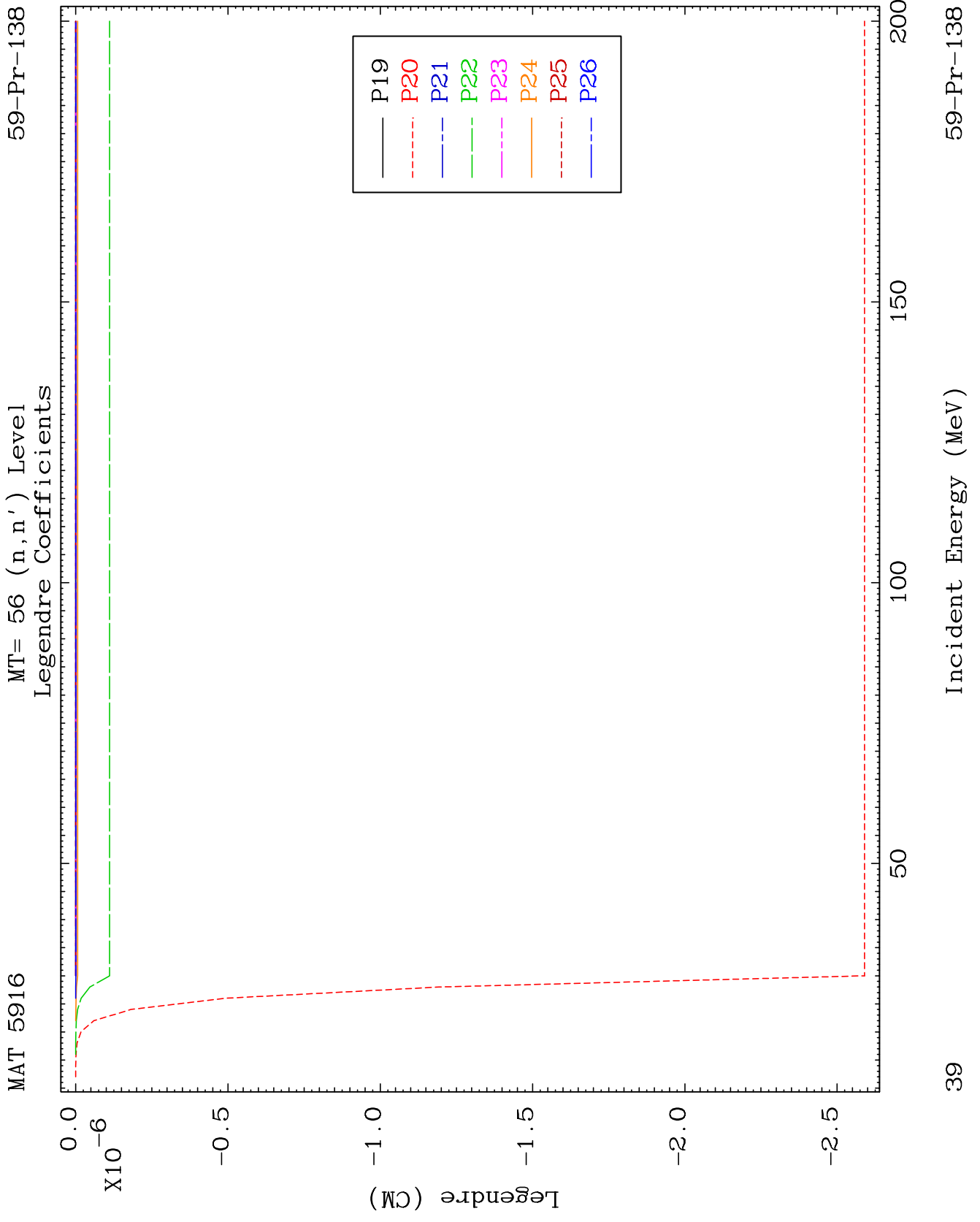


37

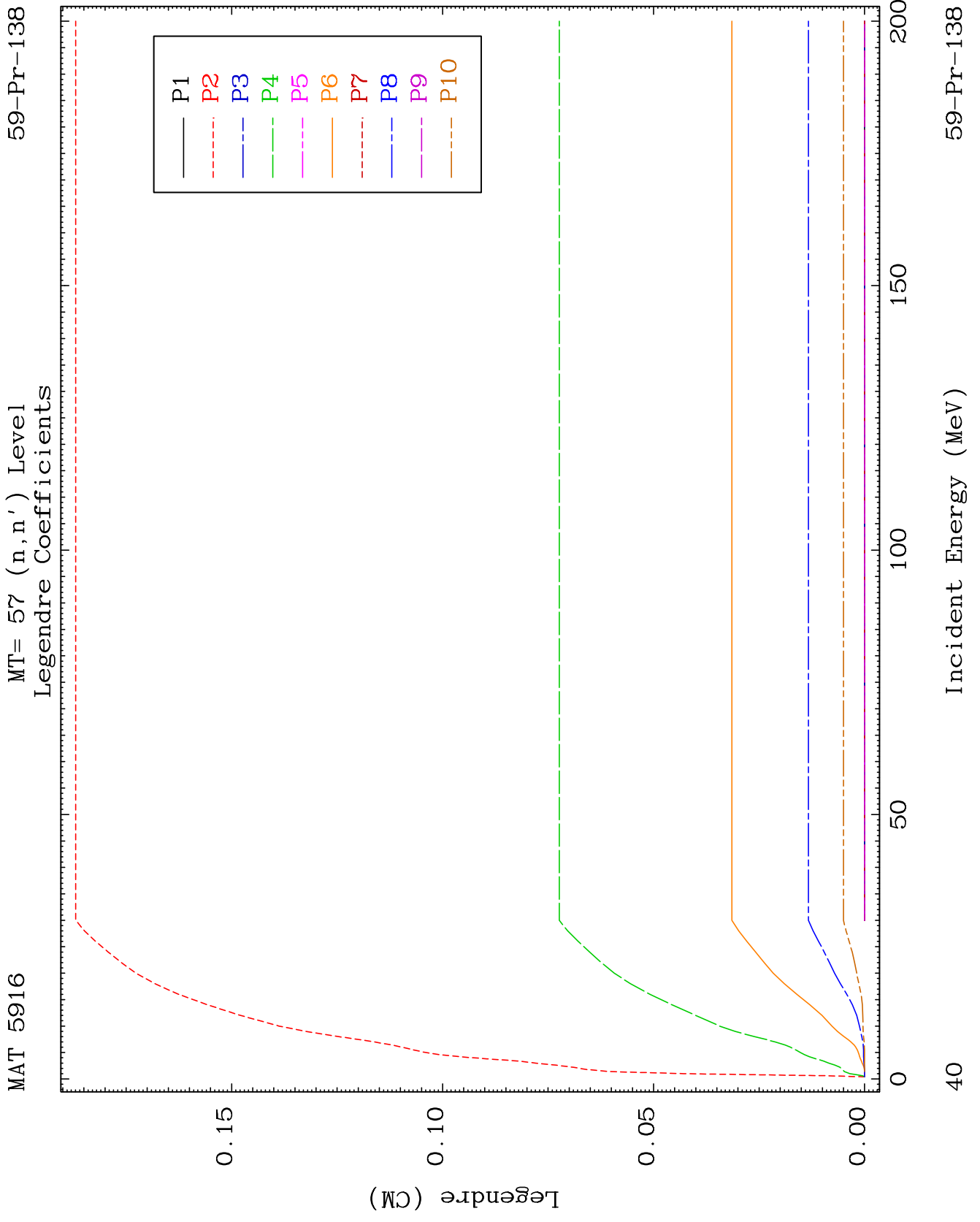
Incident Energy (MeV)

59-Pr-138





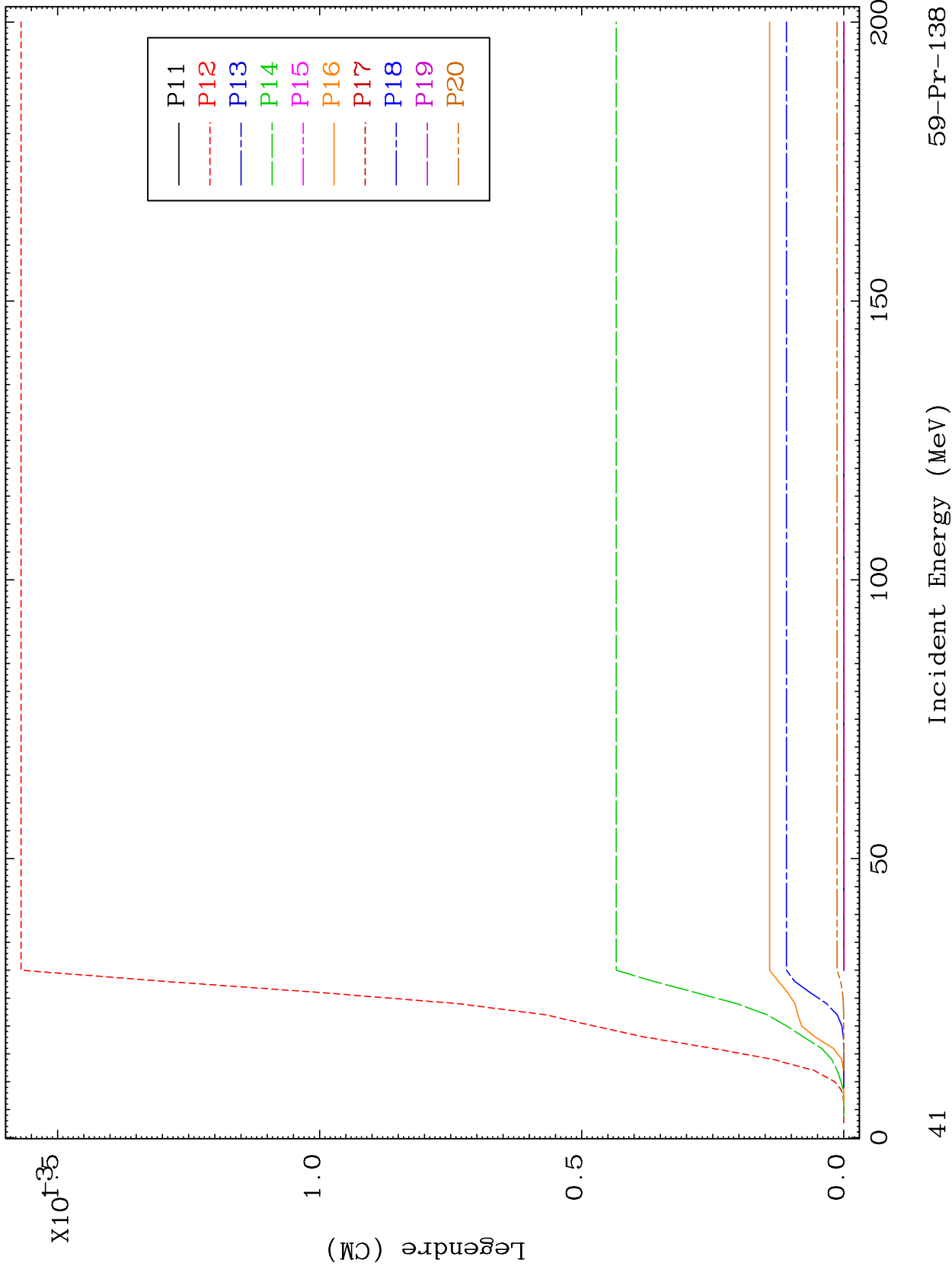




MAT 5916

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

59-Pr-138



41

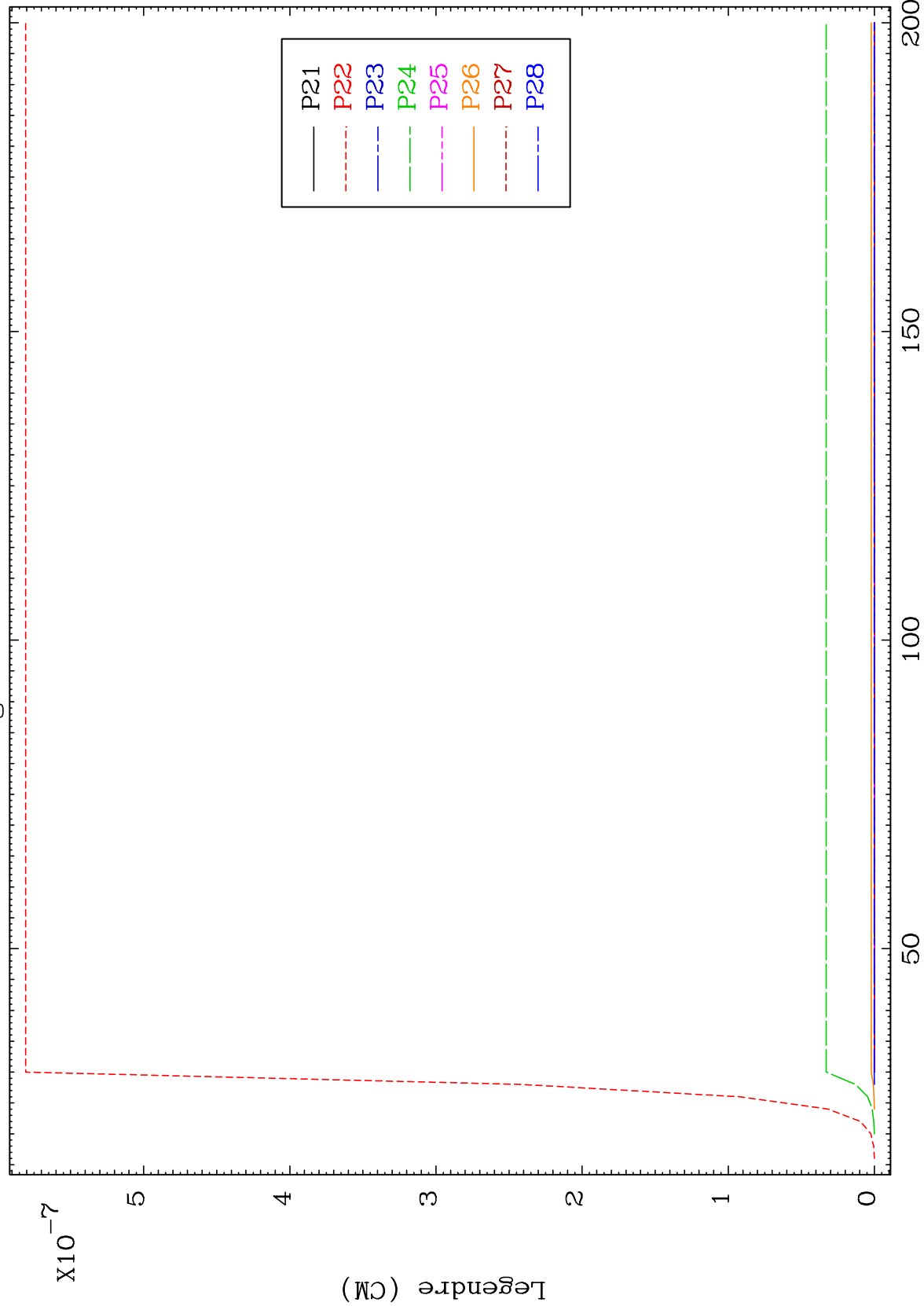
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



42

Incident Energy (MeV)

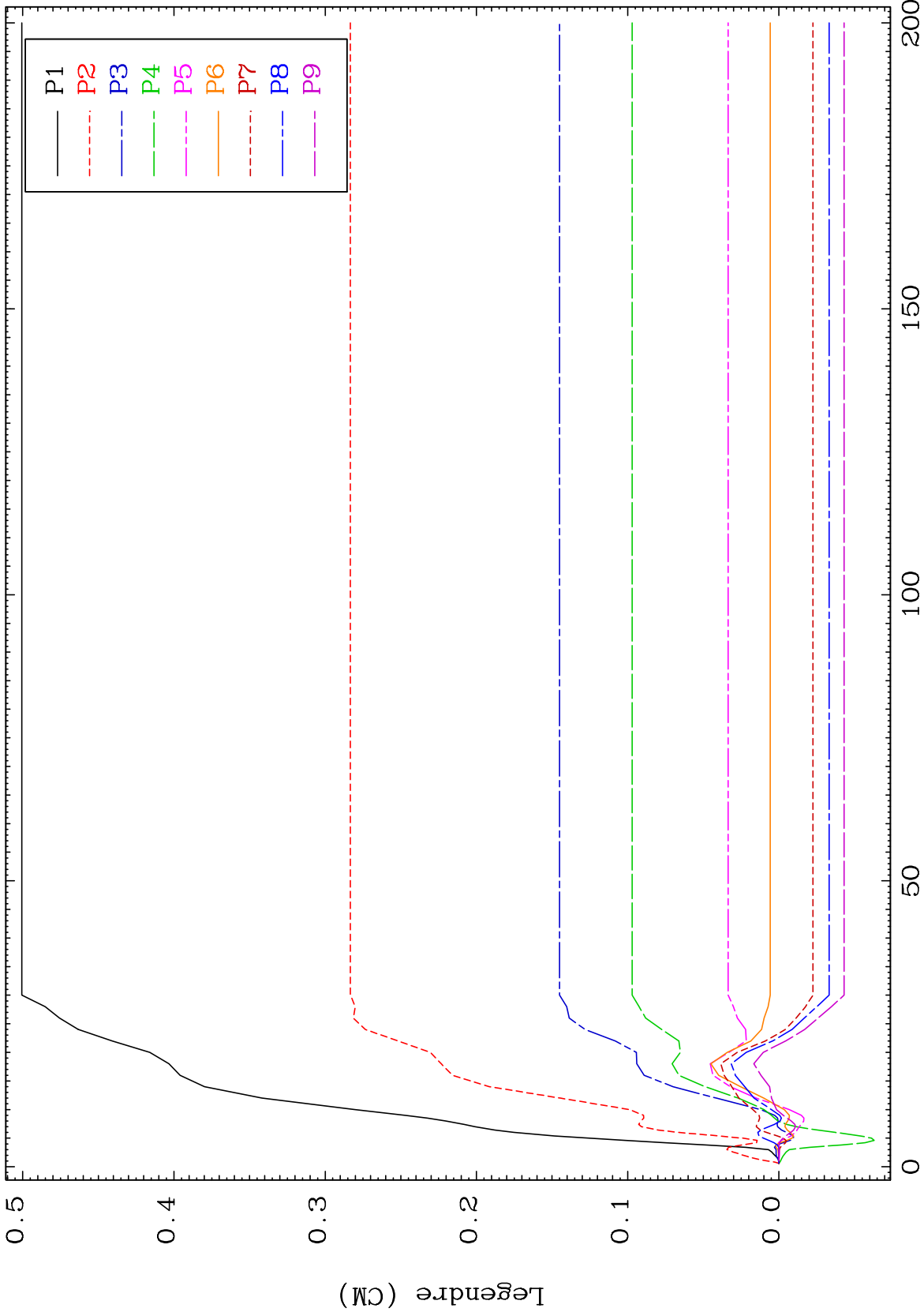
59-Pr-138

MAT 5916

MT= 58 (n,n') Level

59-Pr-138

Legendre Coefficients



43

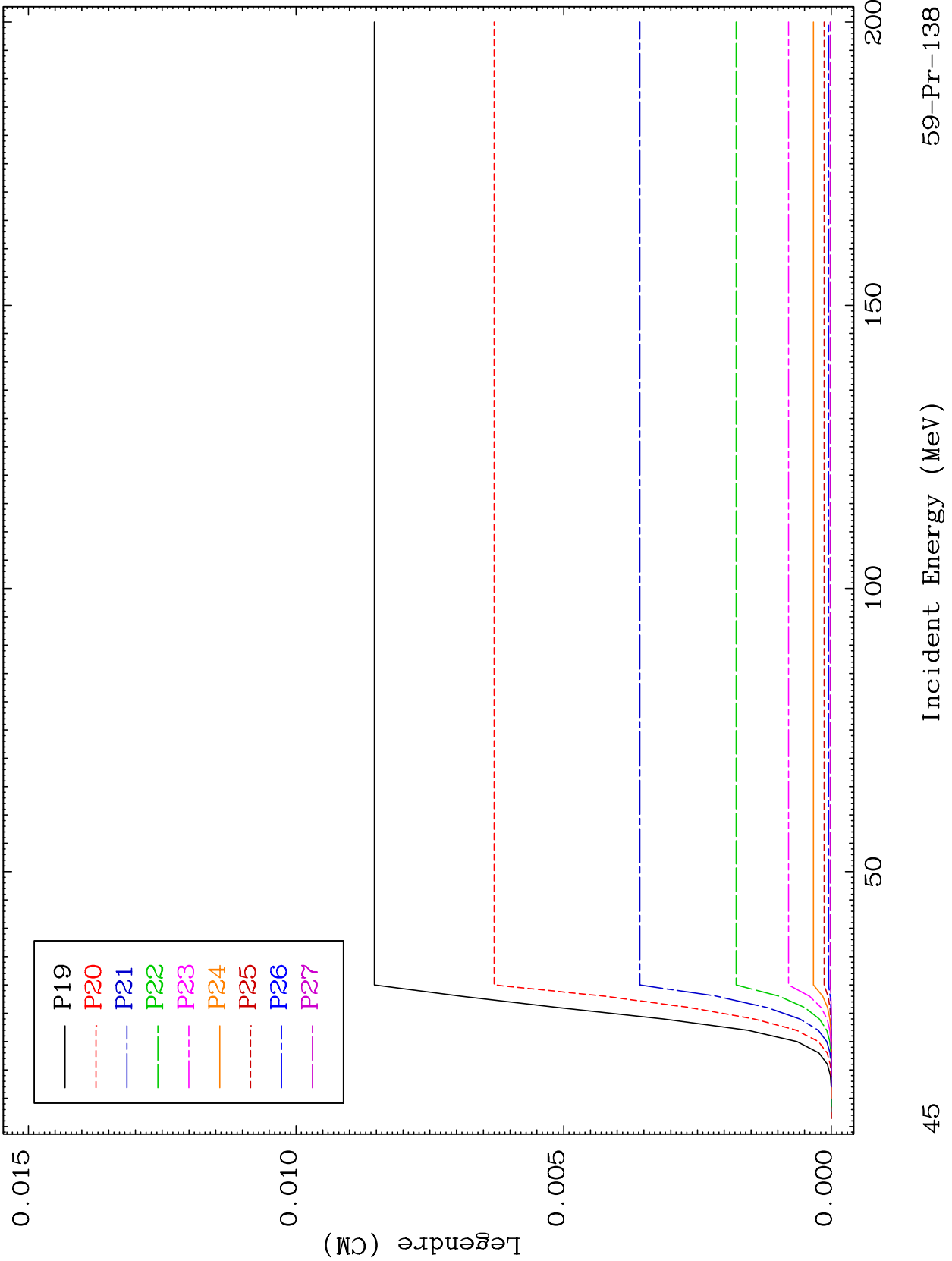
59-Pr-138



MAT 5916

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

59-Pr-138



45

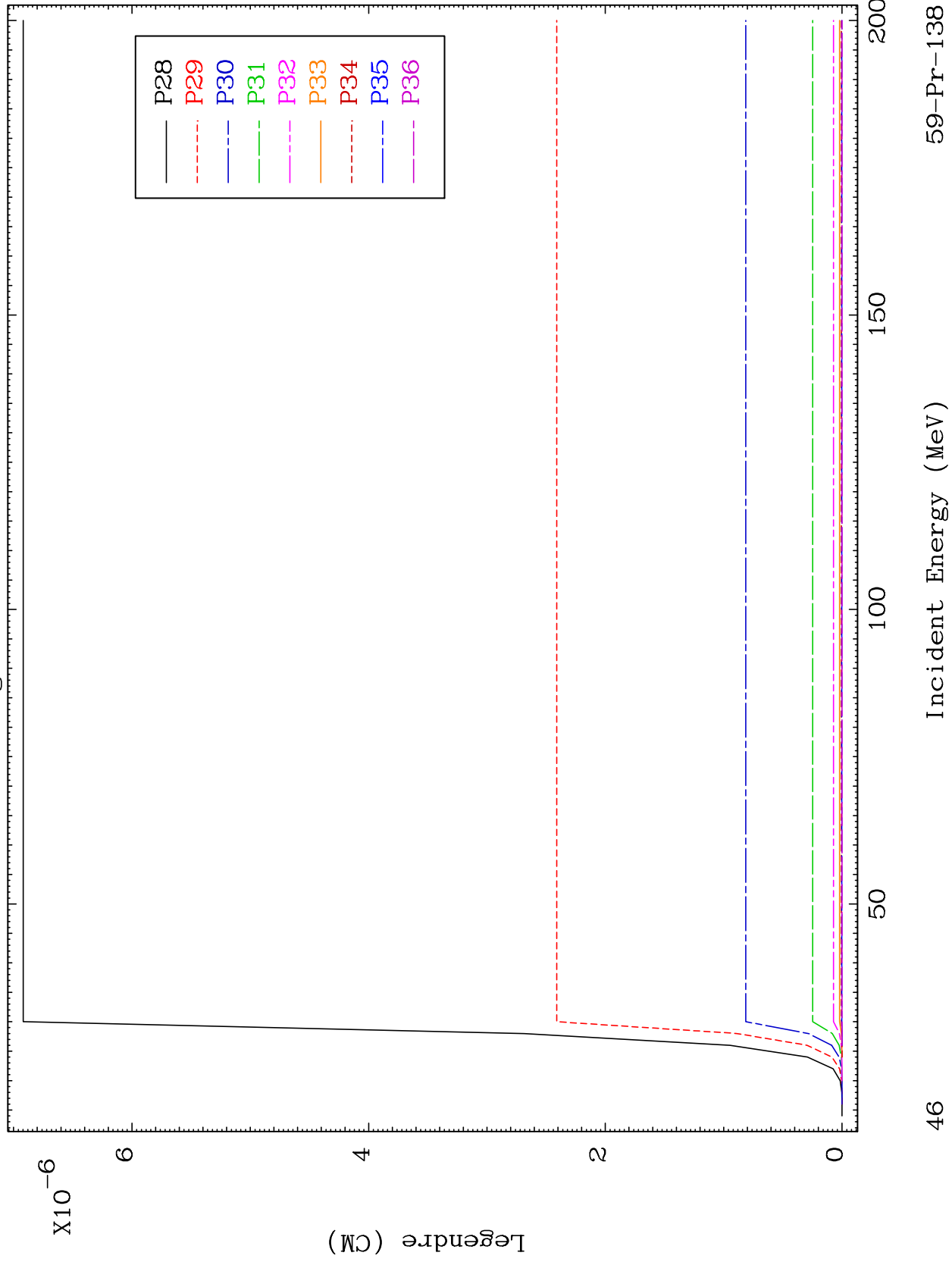
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

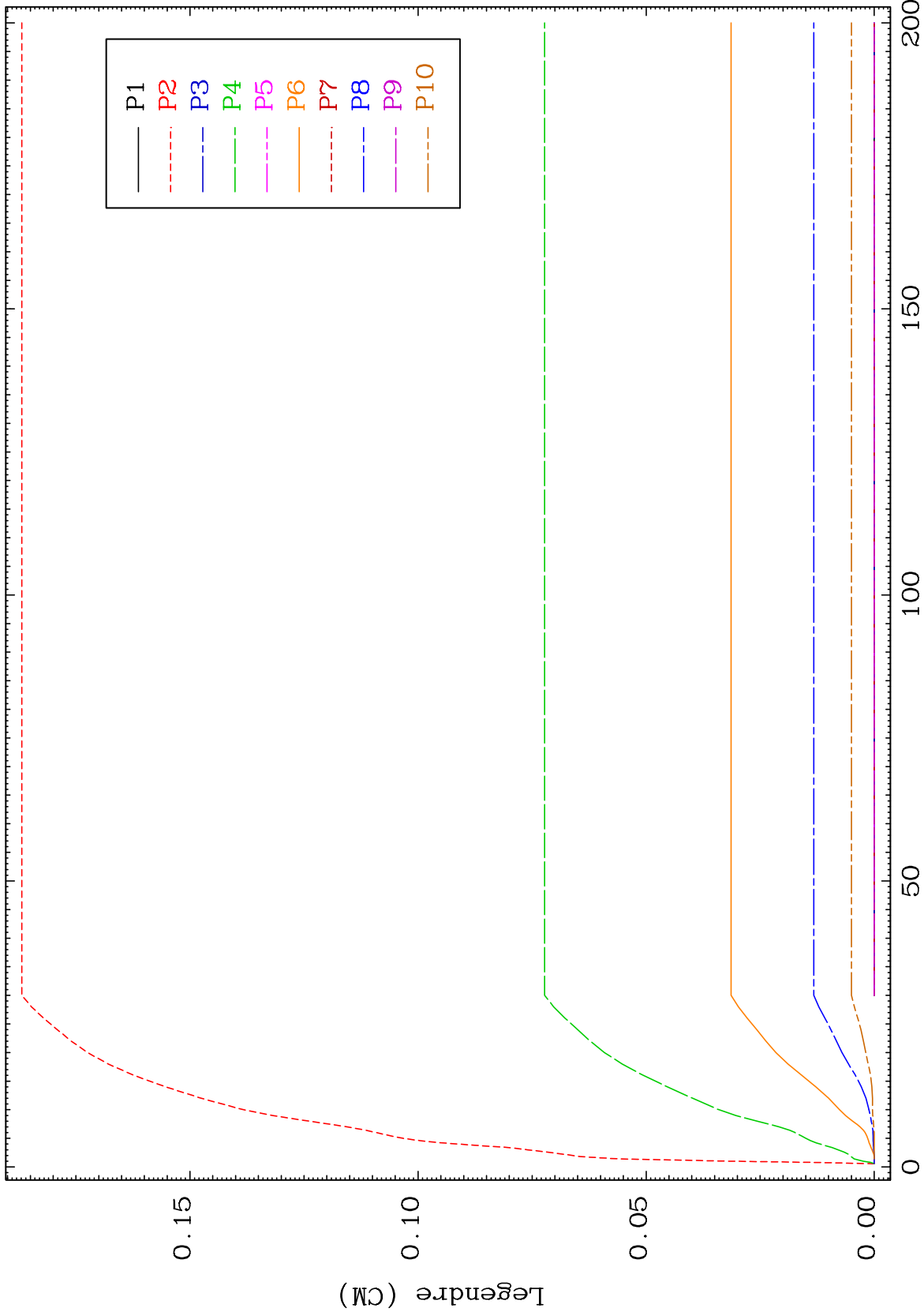
59-Pr-138



MAT 5916

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

59-Pr-138



47

Incident Energy (MeV)

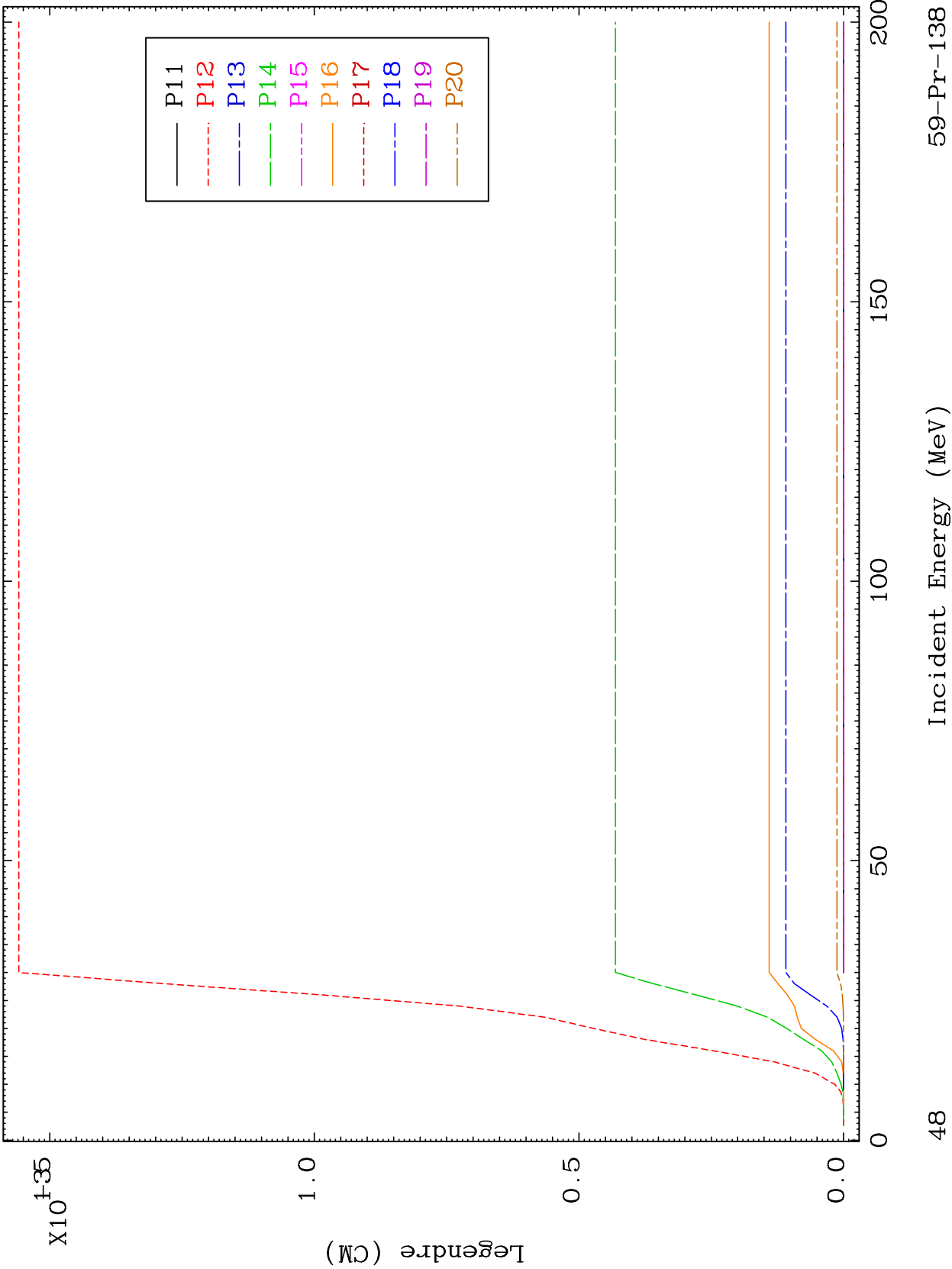
59-Pr-138



MAT 5916

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

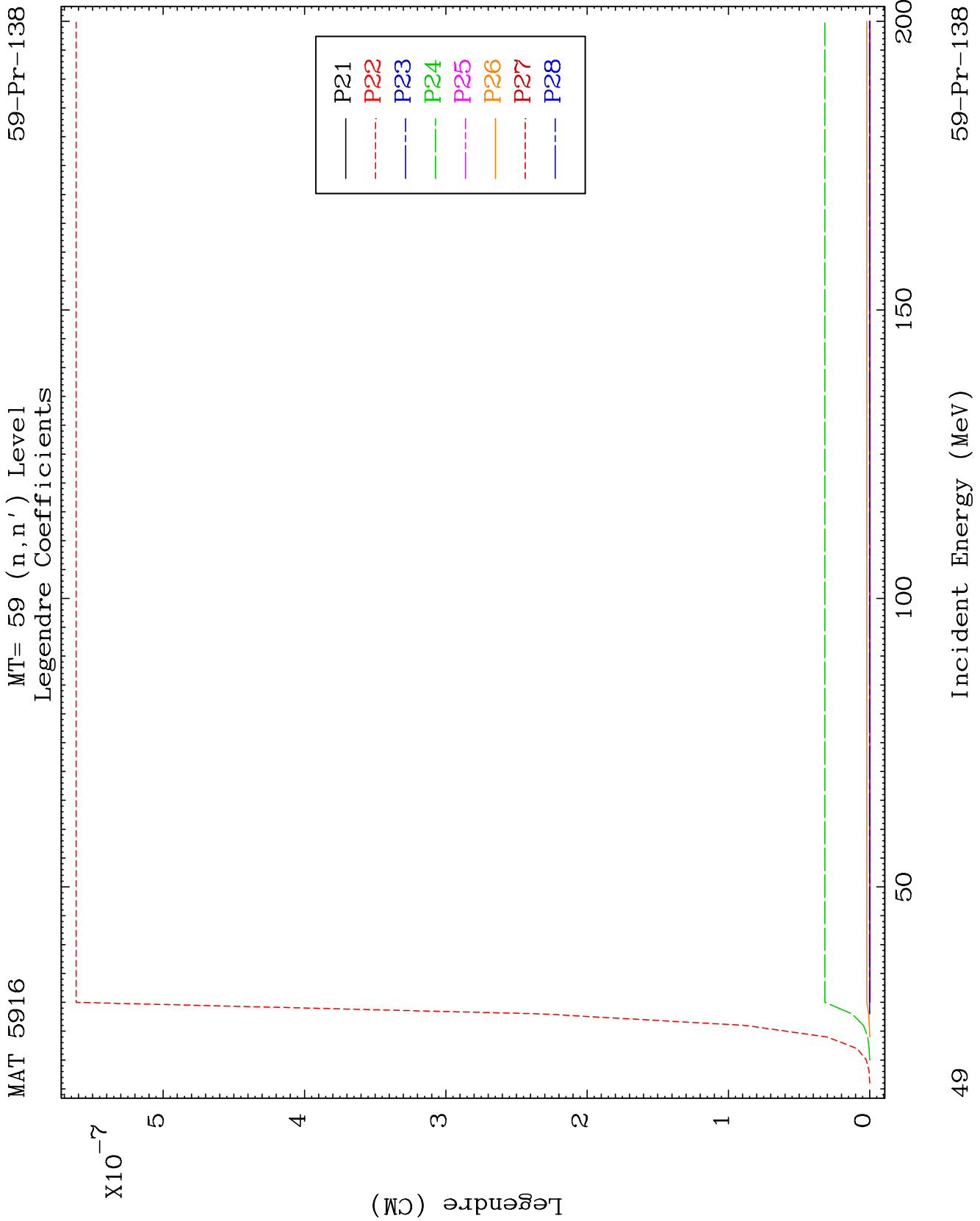
59-Pr-138



48

Incident Energy (MeV)

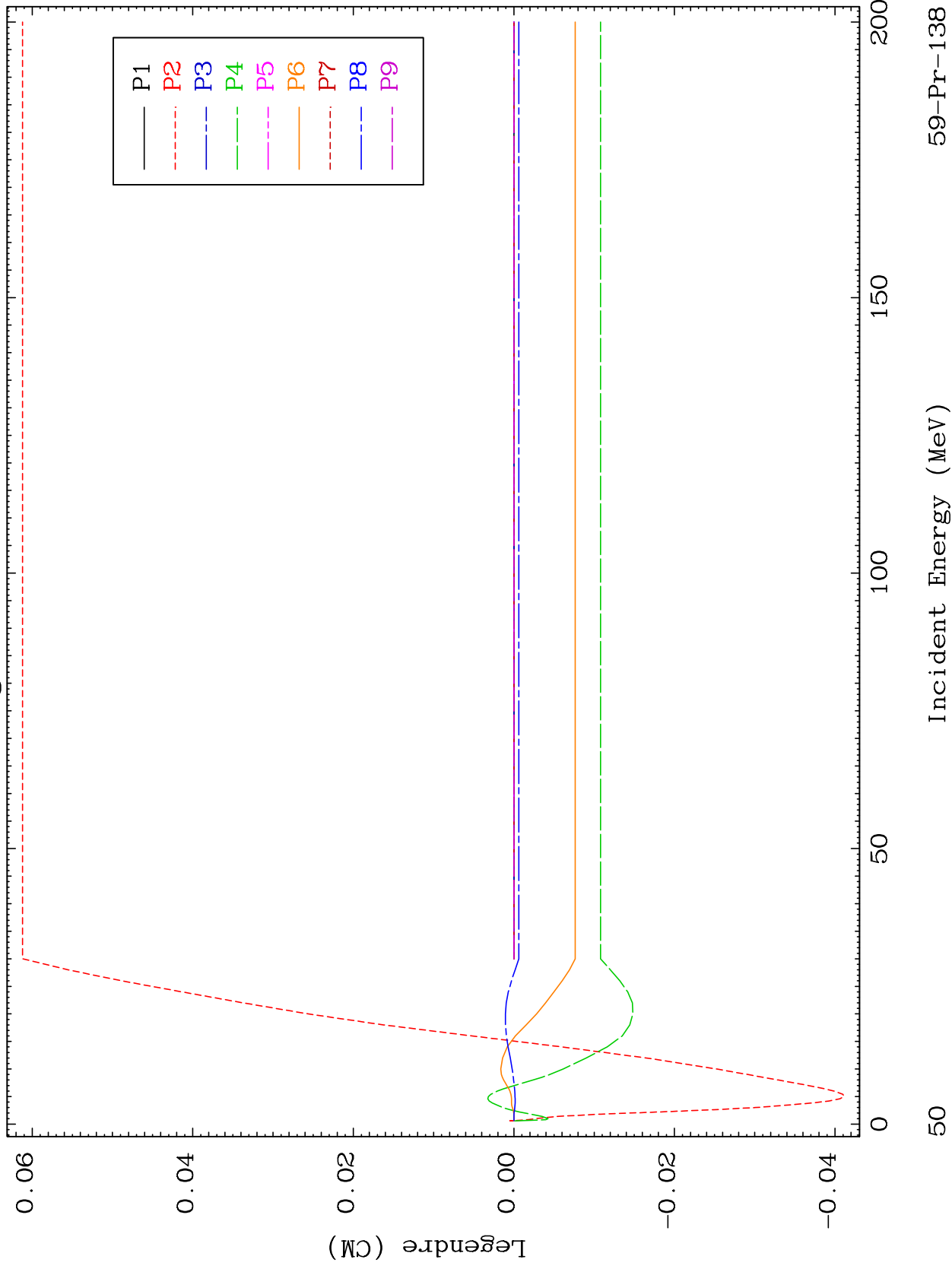
59-Pr-138

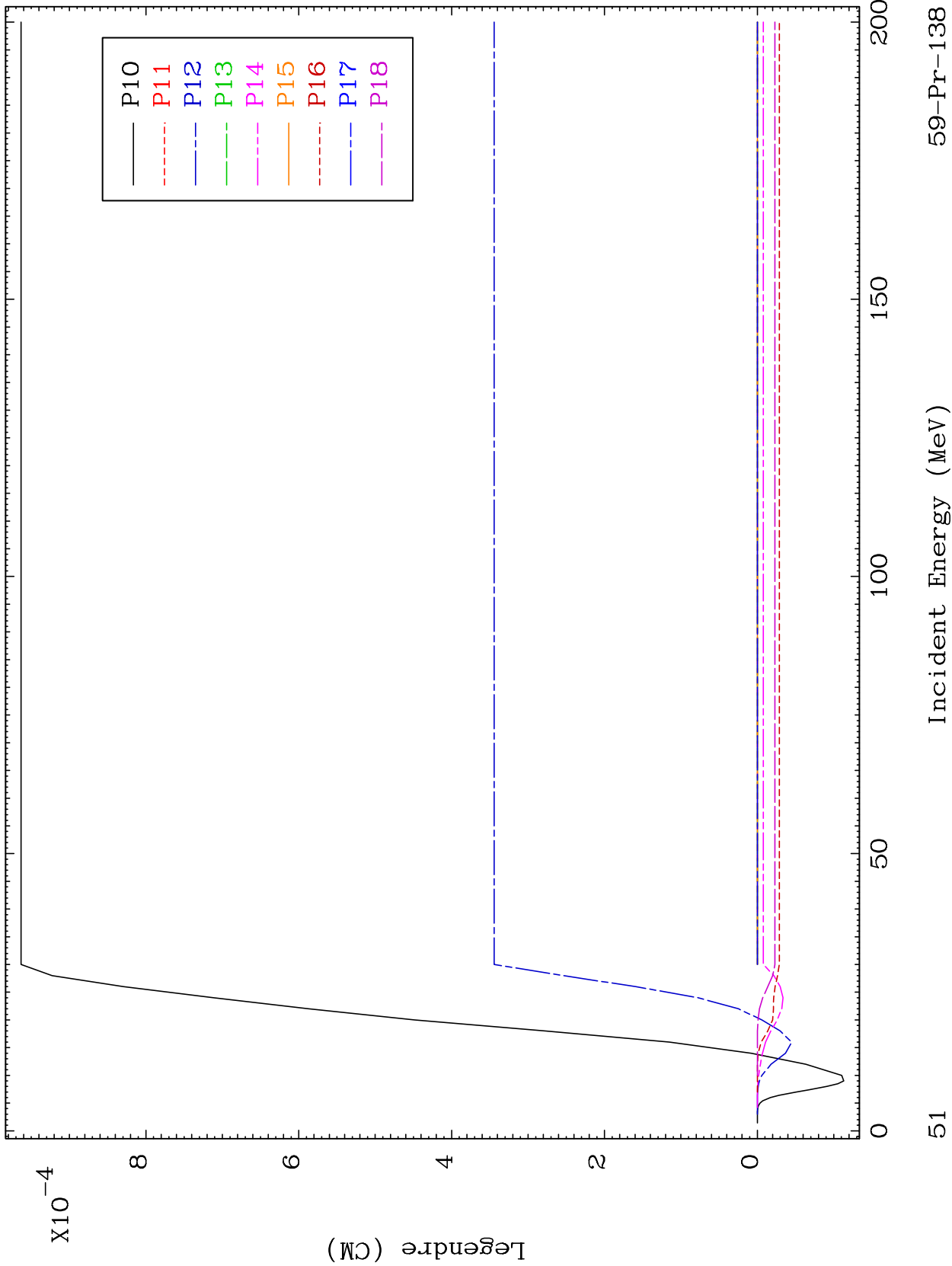


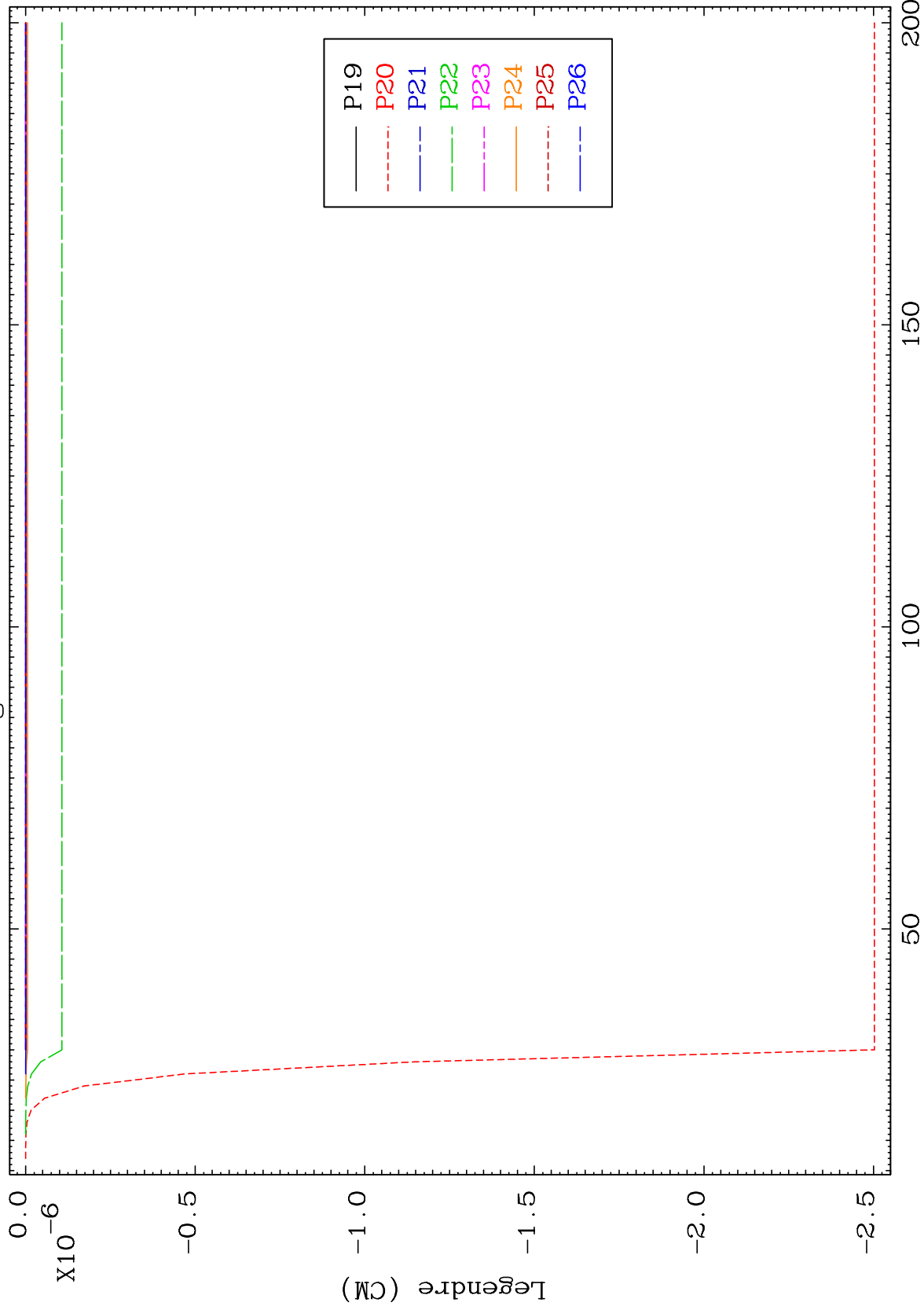
MAT 5916

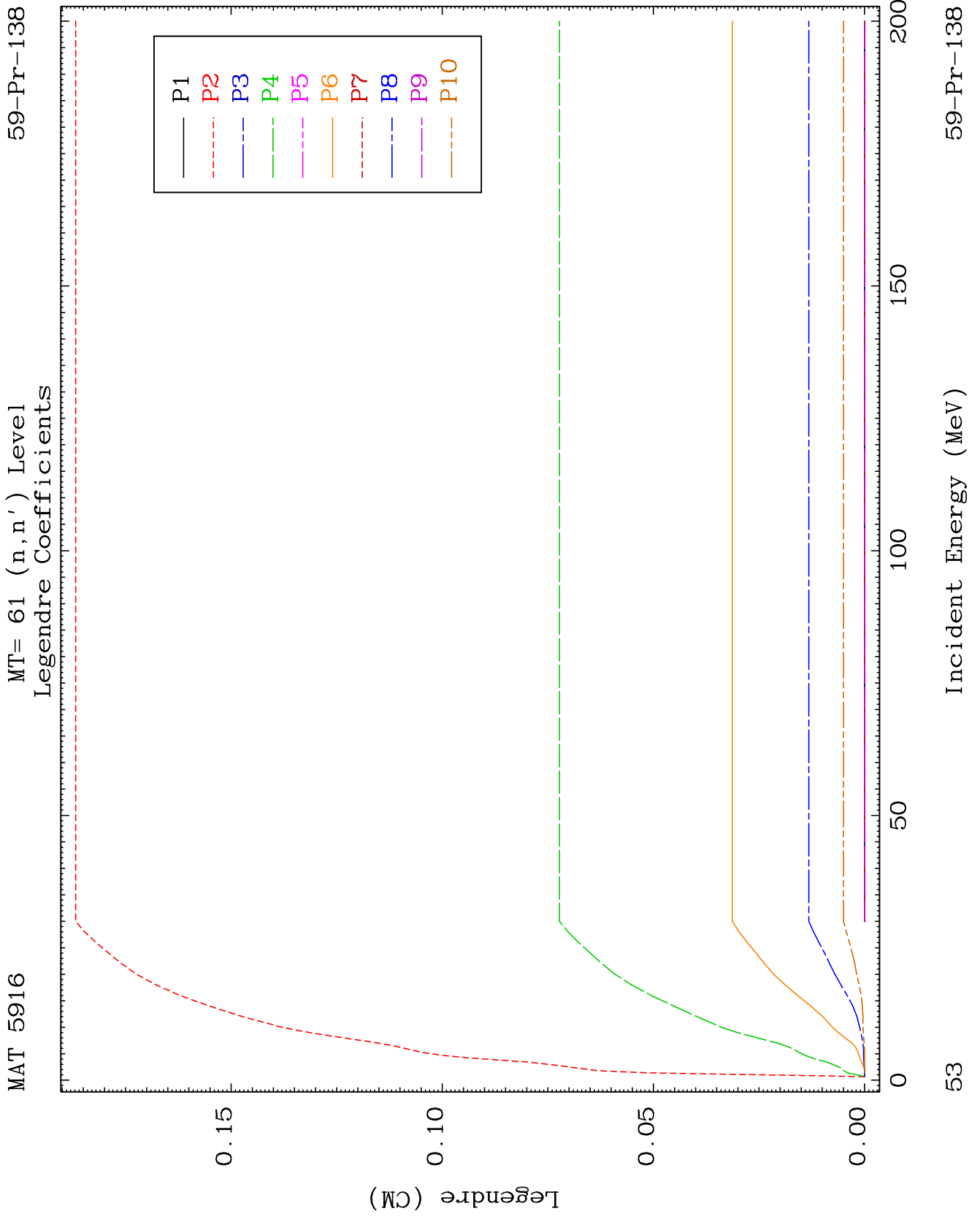
MT= 60 (n,n') Level  
Legendre Coefficients

59-Pr-138





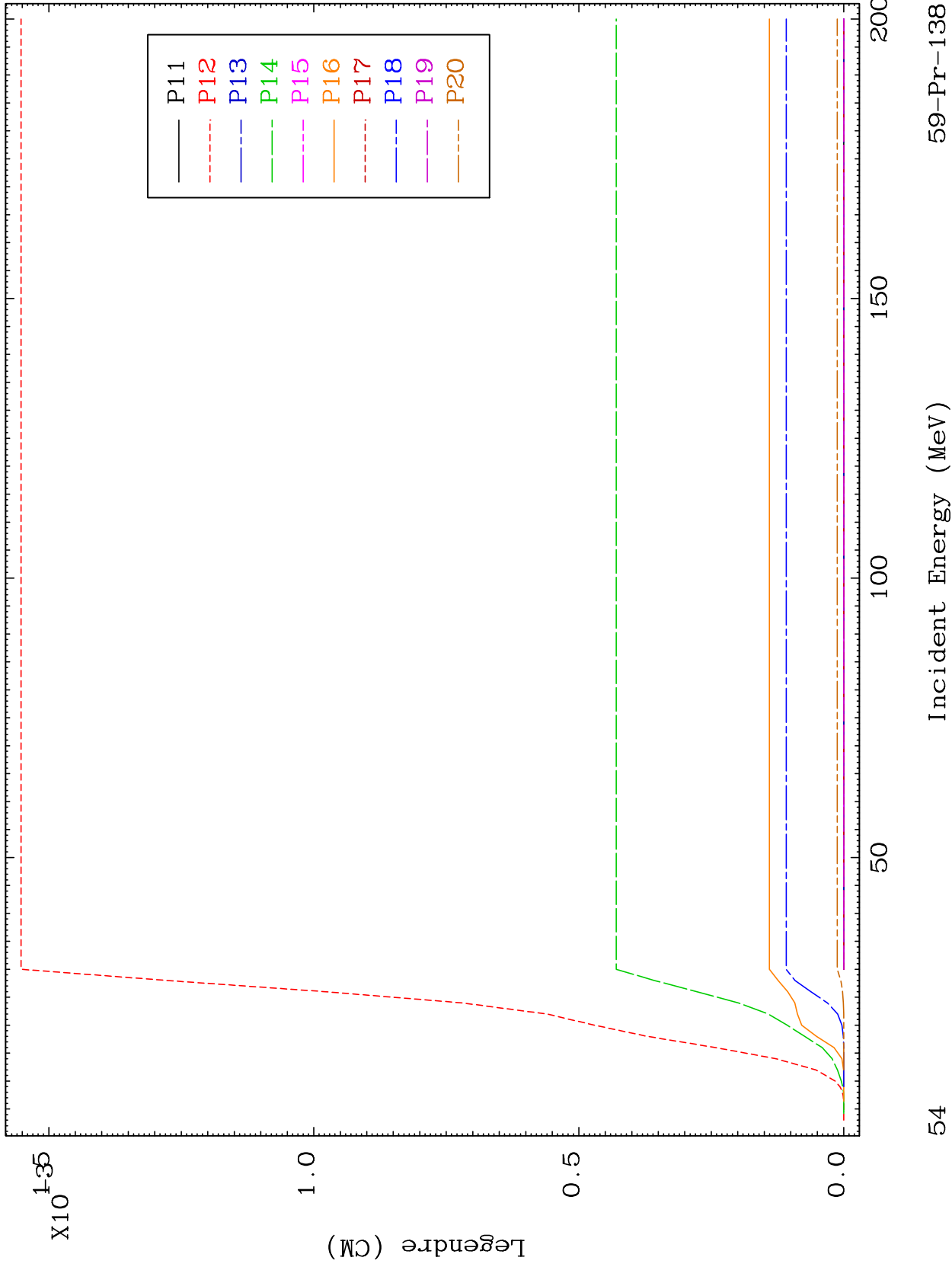




MAT 5916

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

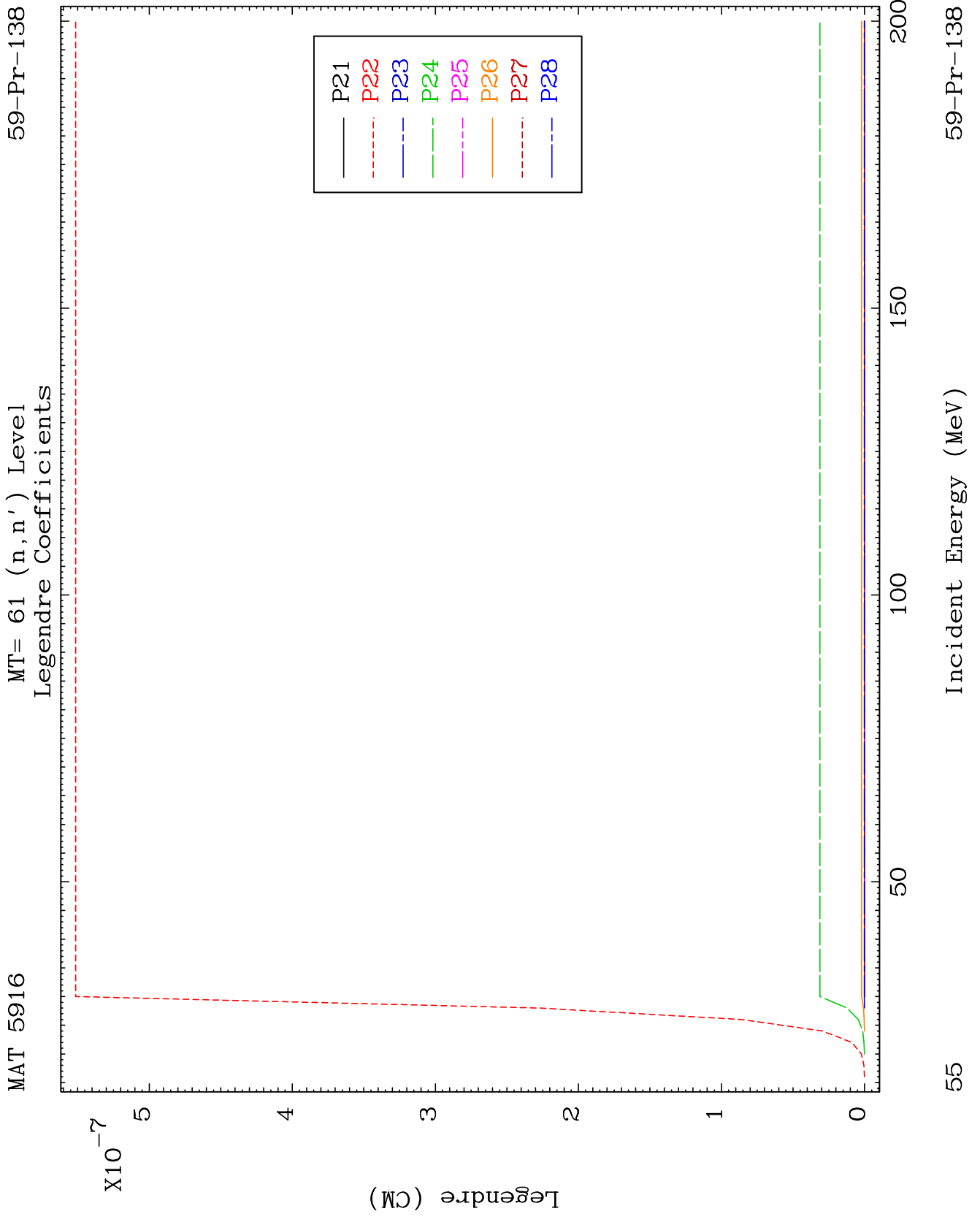
59-Pr-138



54

Incident Energy (MeV)

59-Pr-138

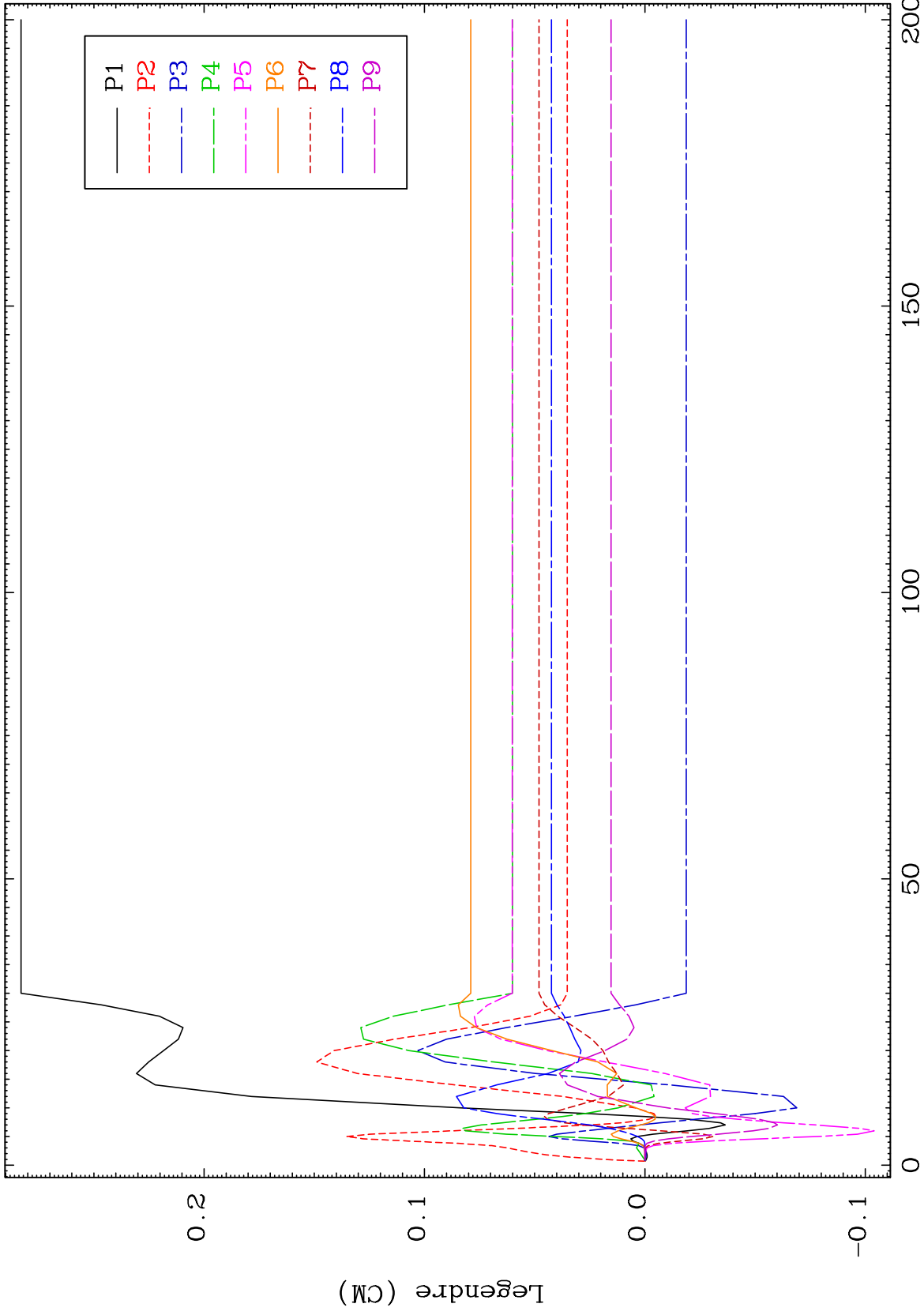




MAT 5916

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

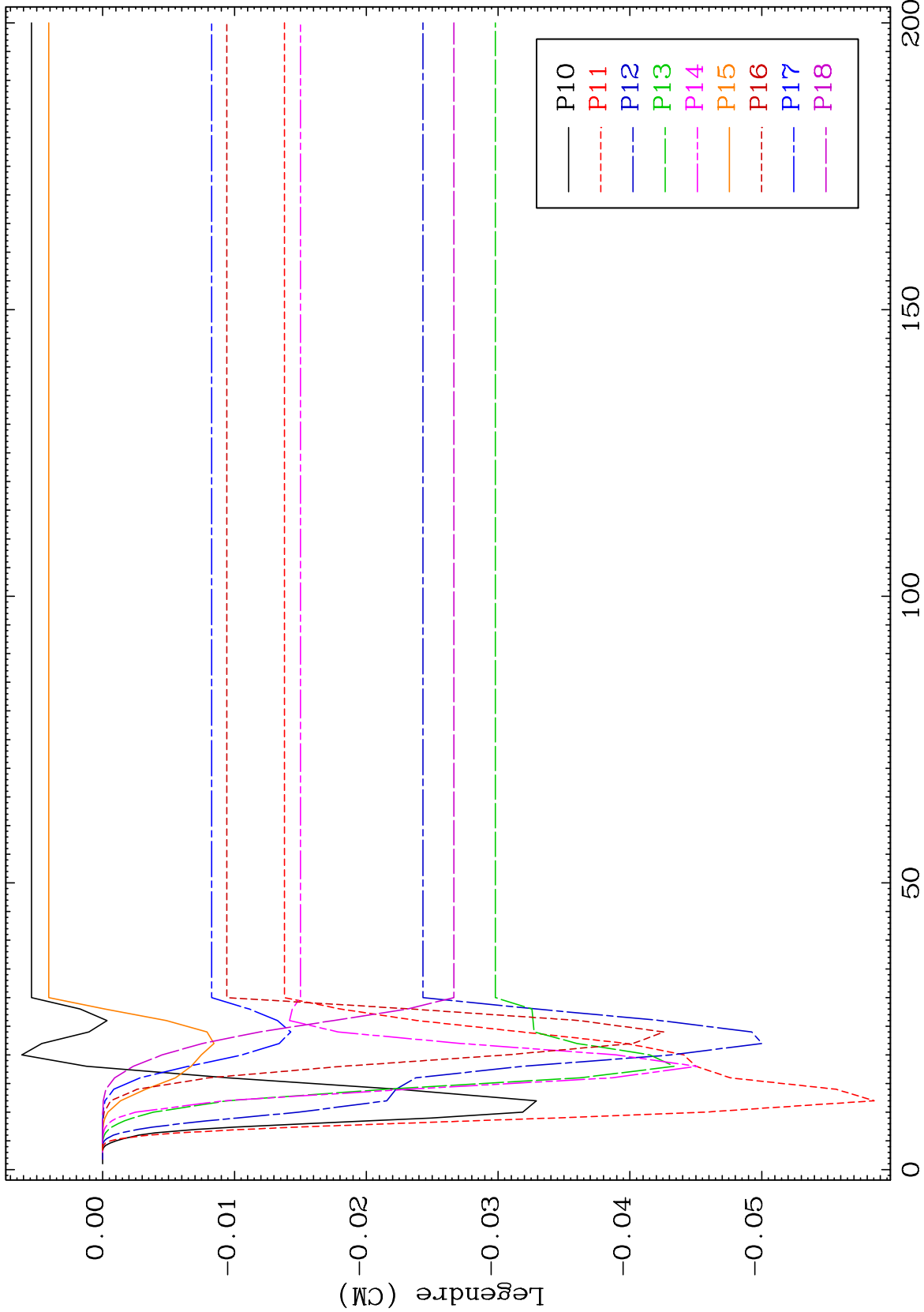
59-Pr-138



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Incident Energy (MeV)

59-Pr-138

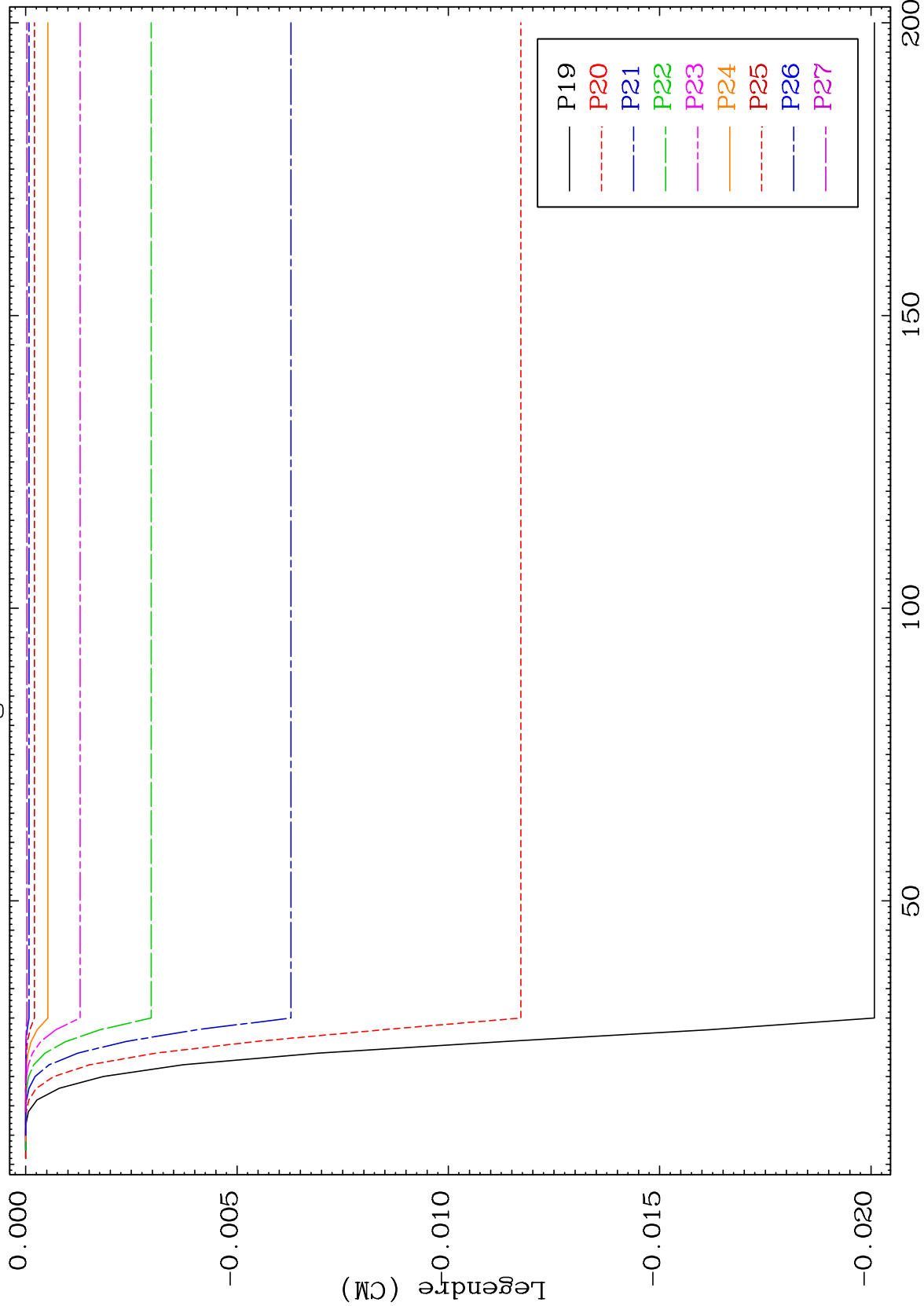


MAT 5916

MT= 62 (n,n') Level

59-Pr-138

Legendre Coefficients



58

Incident Energy (MeV)

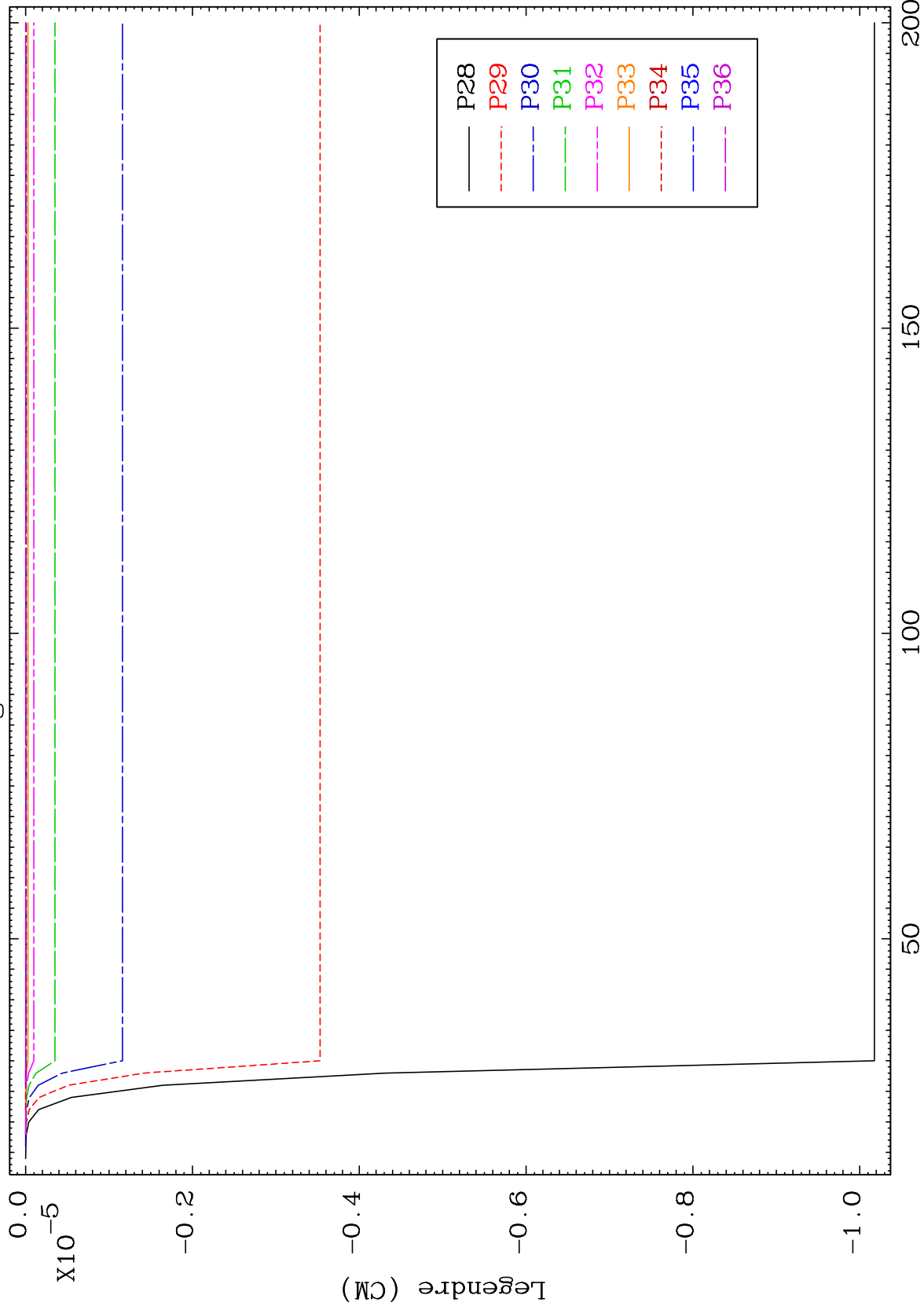
59-Pr-138

MAT 5916

MT= 62 (n,n') Level

59-Pr-138

Legendre Coefficients



59-Pr-138

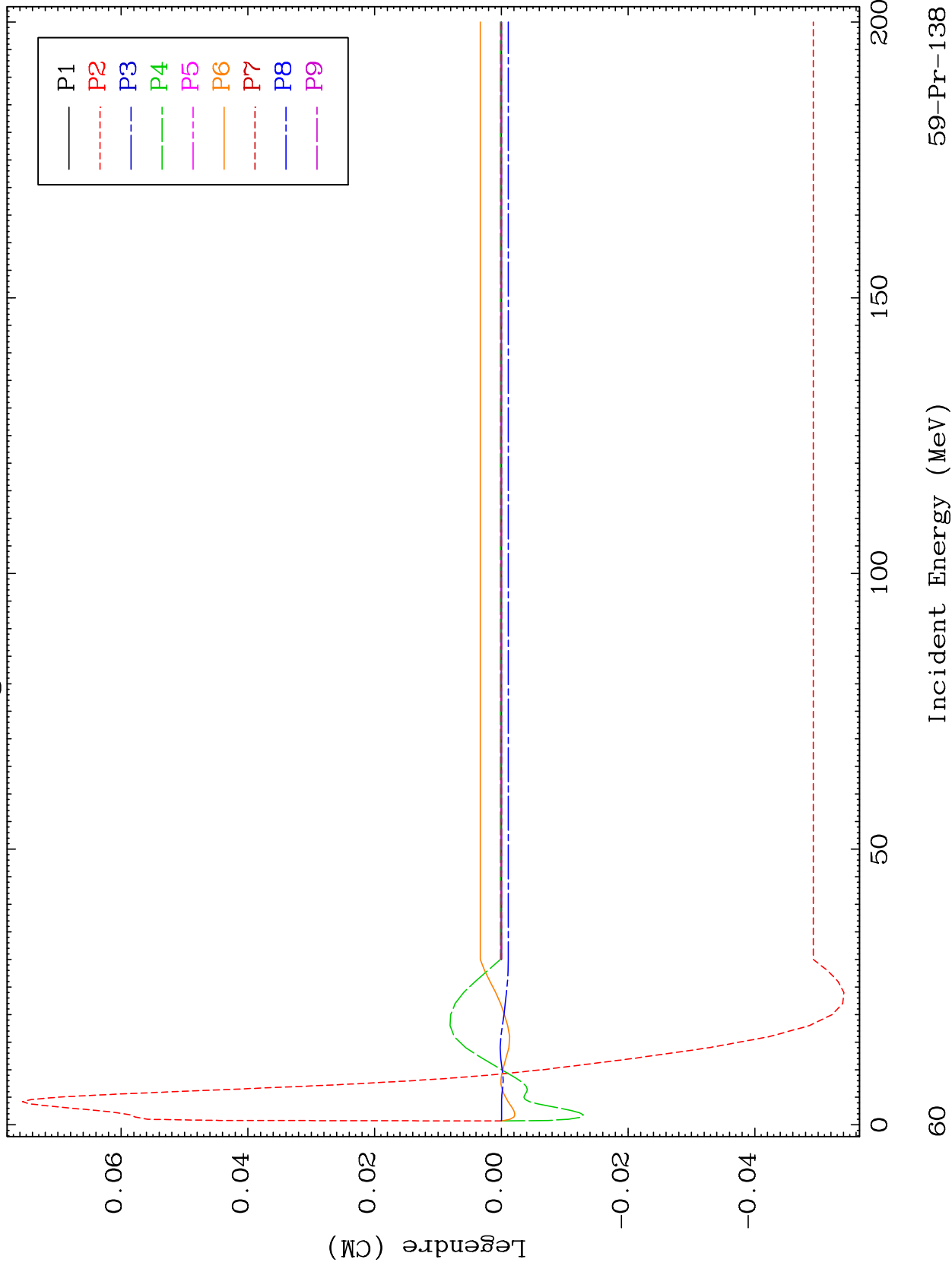
Incident Energy (MeV)

59

MAT 5916

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

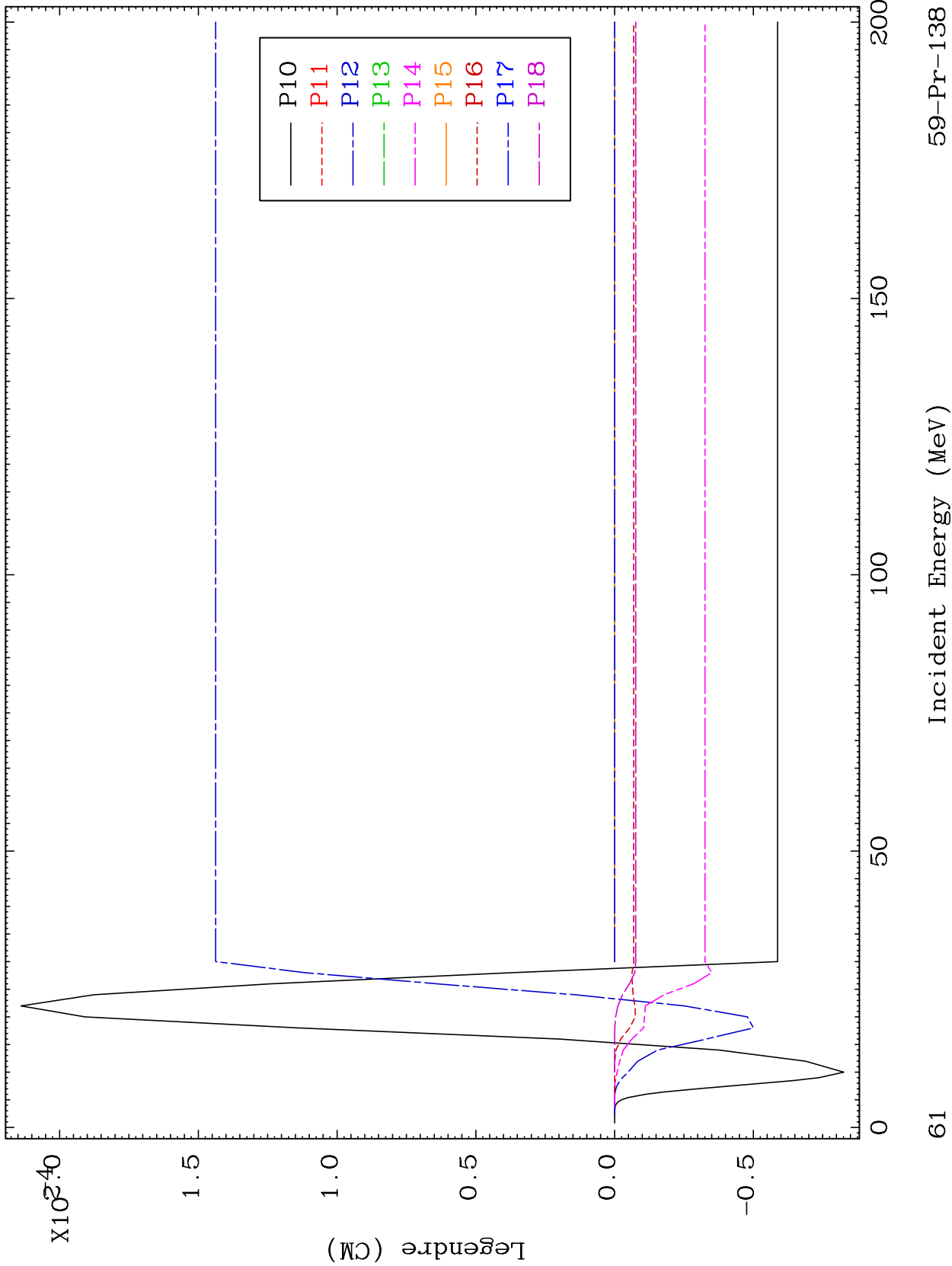
59-Pr-138



59-Pr-138

Incident Energy (MeV)

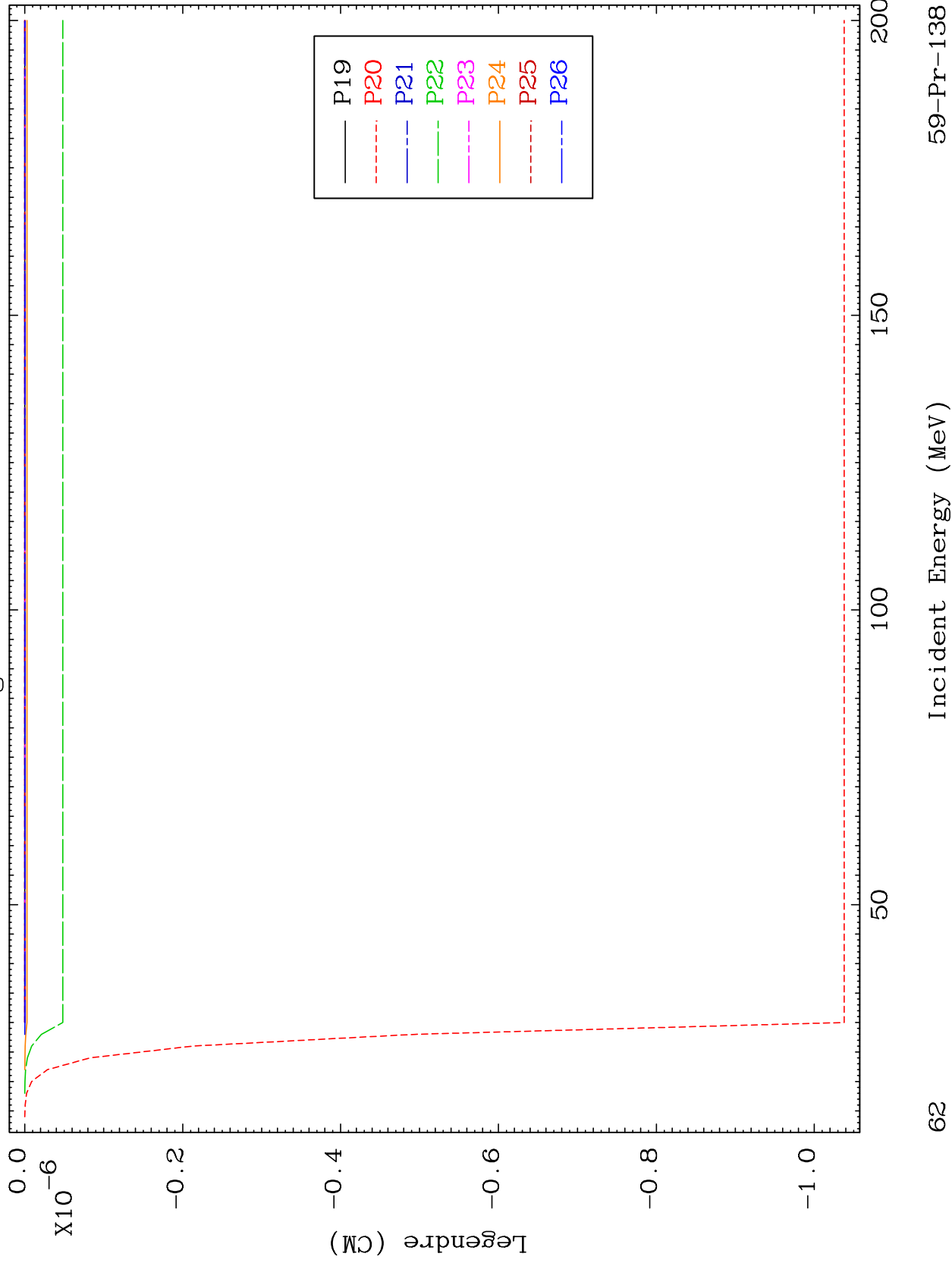
60



MAT 5916

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

59-Pr-138



62

Incident Energy (MeV)

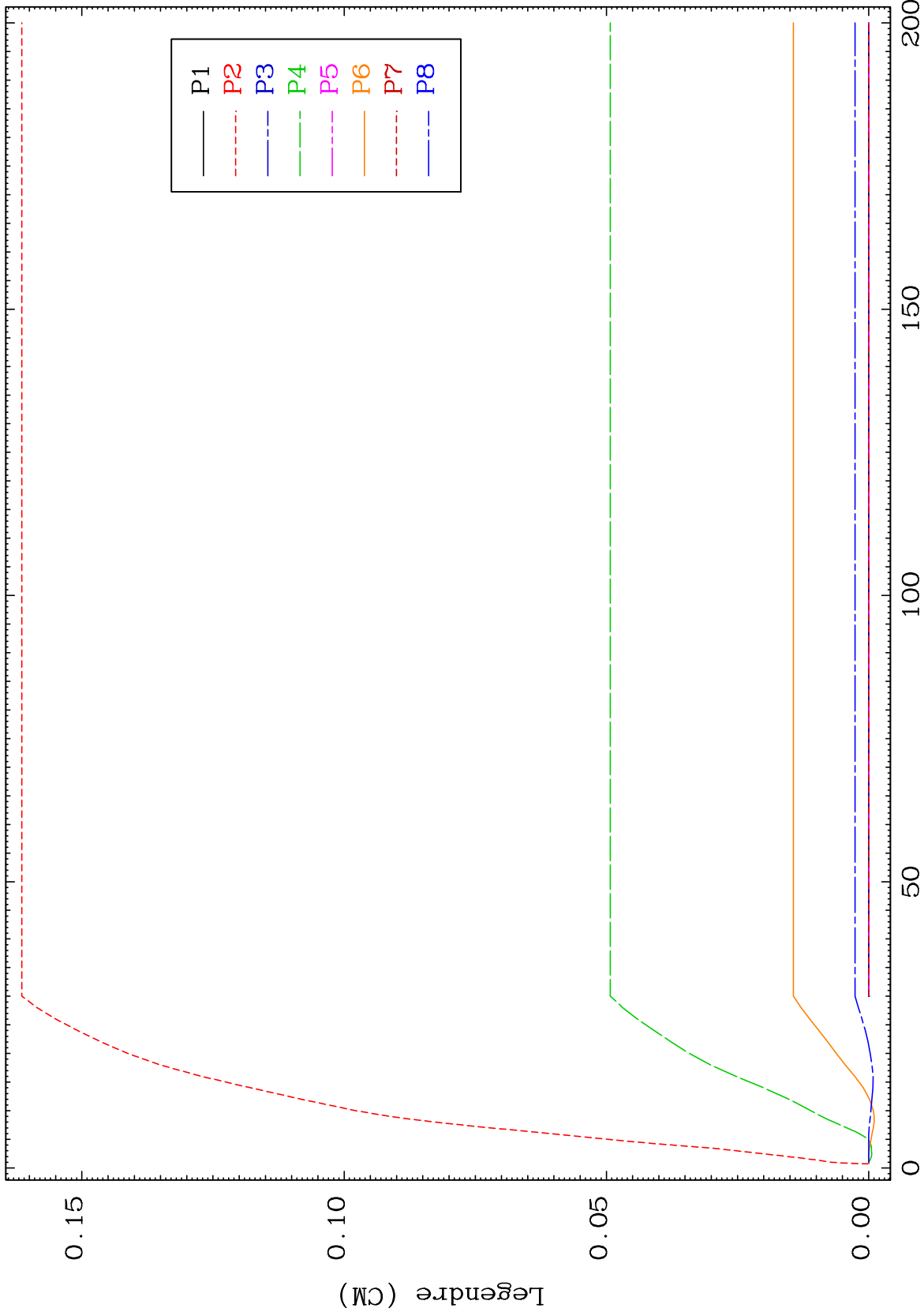
59-Pr-138

MAT 5916

MT= 64 (n,n') Level

59-Pr-138

Legendre Coefficients



63

Incident Energy (MeV)

59-Pr-138

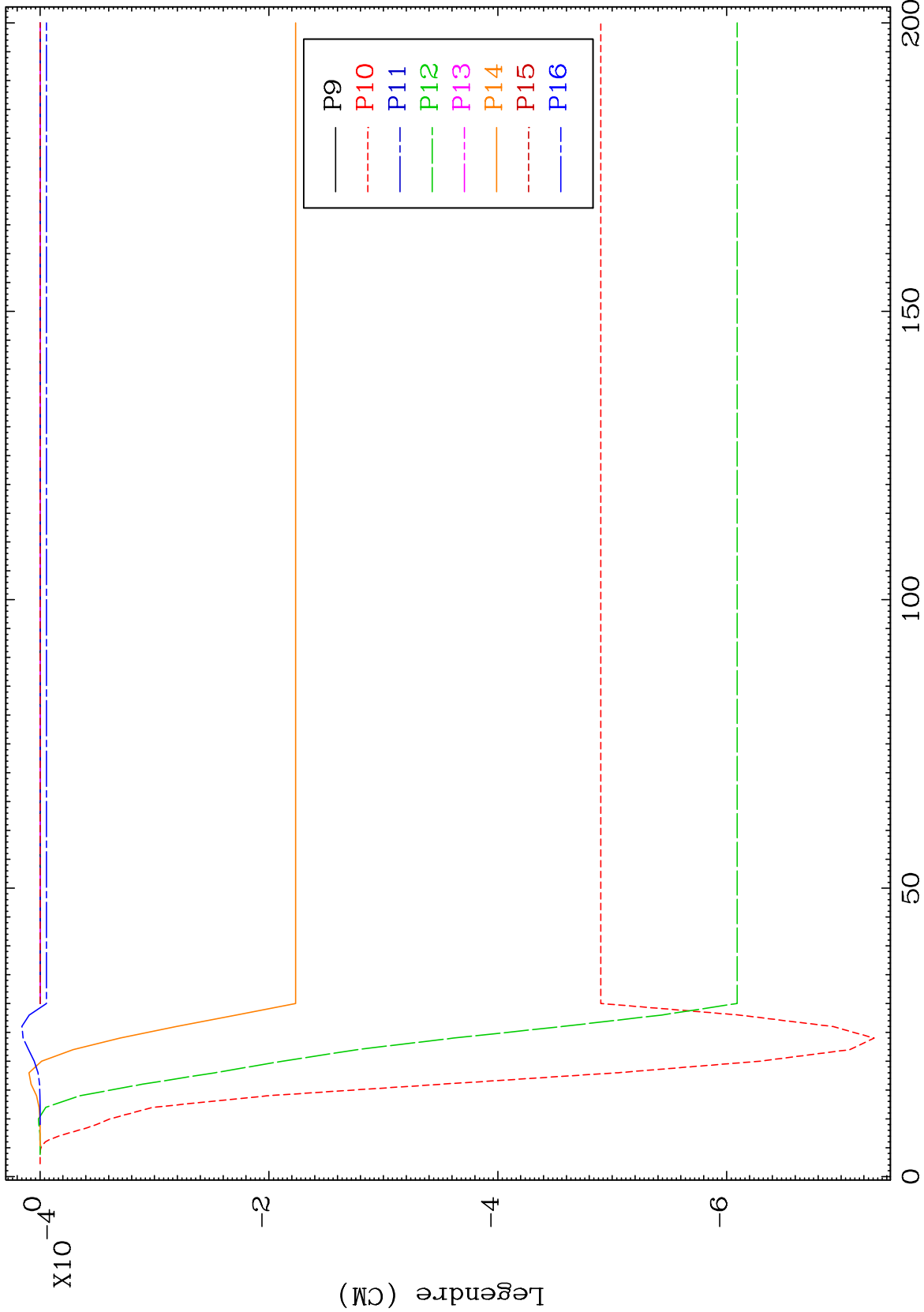


MAT 5916

MT= 64 (n,n') Level

59-Pr-138

Legendre Coefficients



64

Incident Energy (MeV)

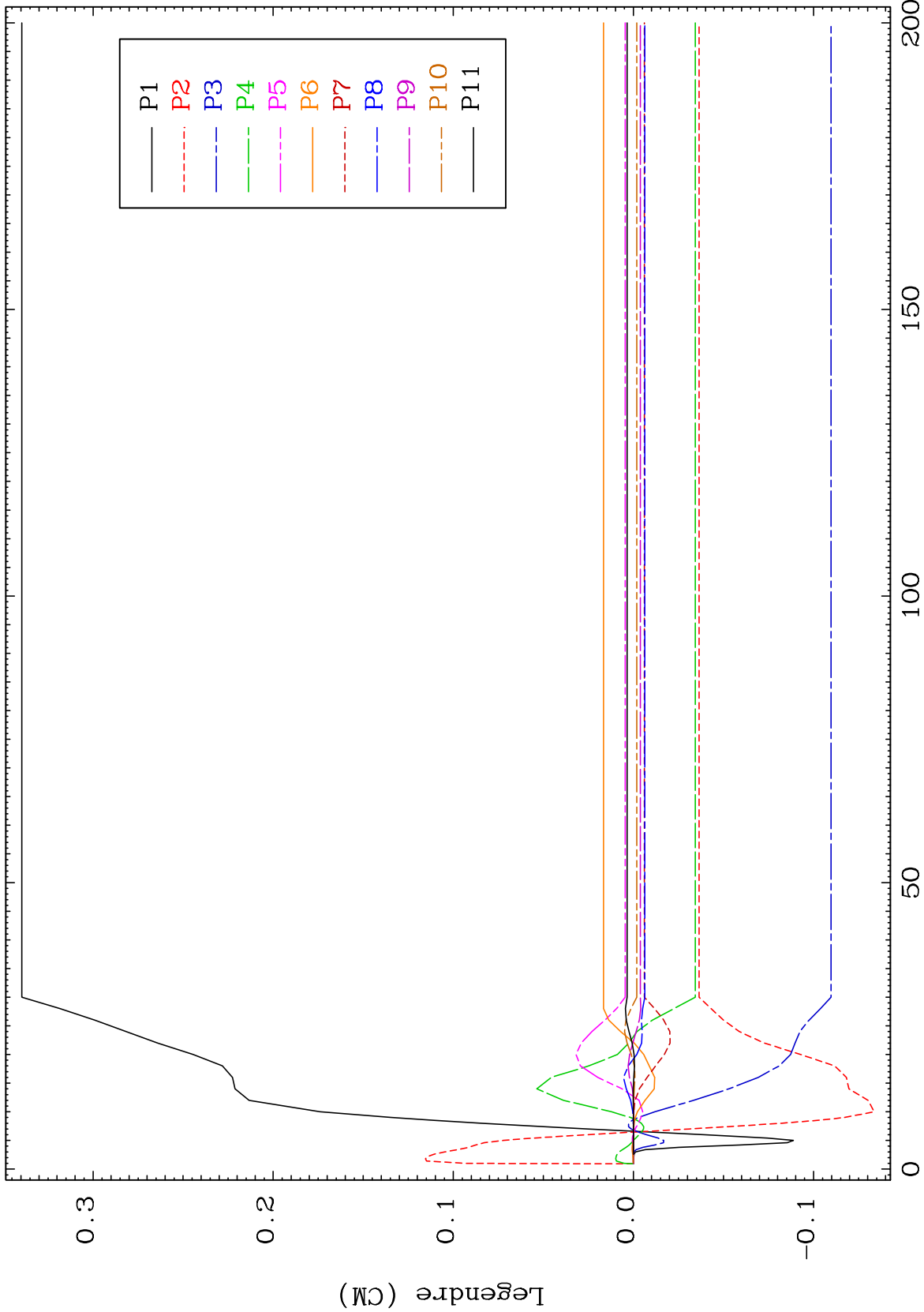
59-Pr-138



MAT 5916

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

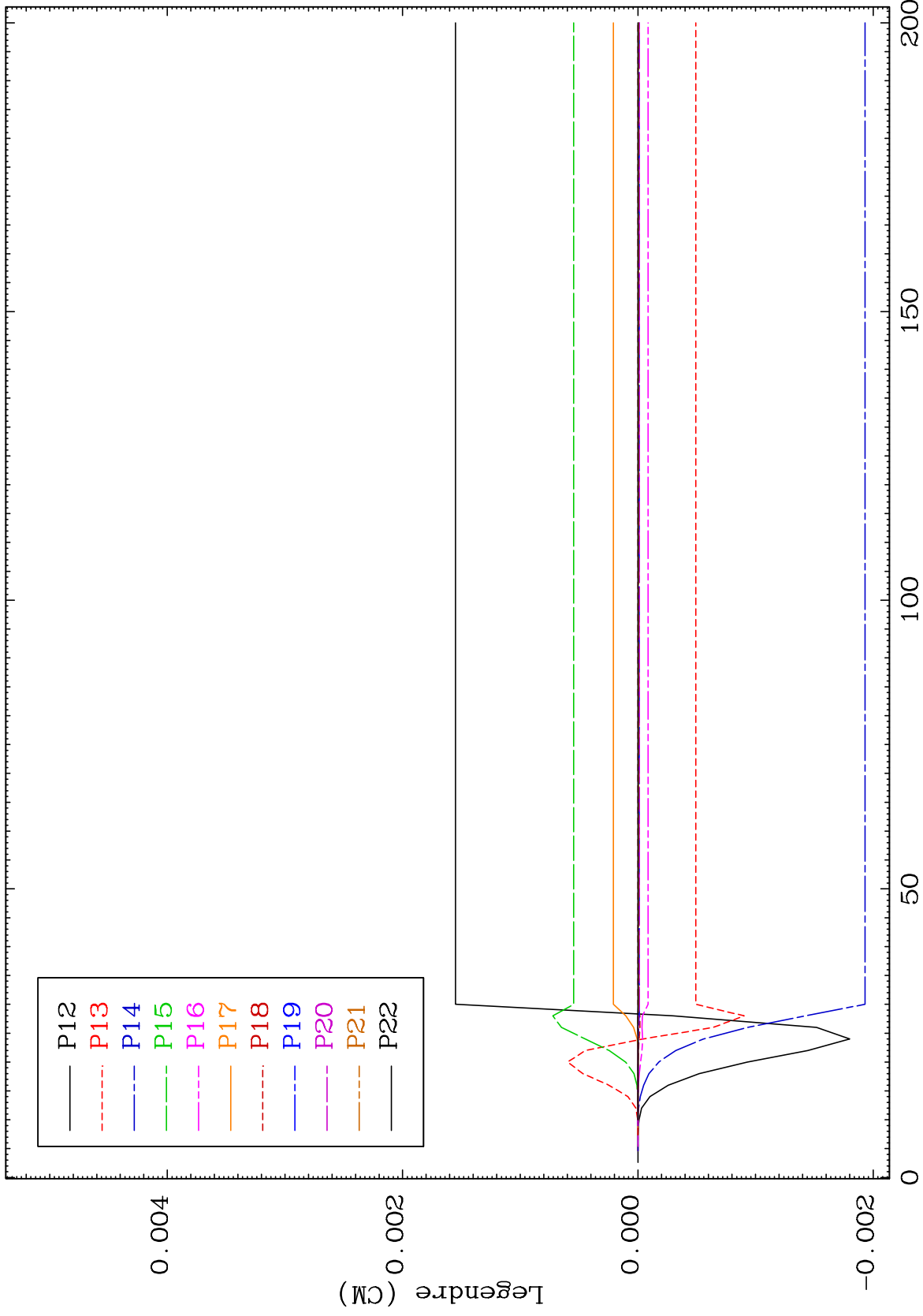
59-Pr-138



66

Incident Energy (MeV)

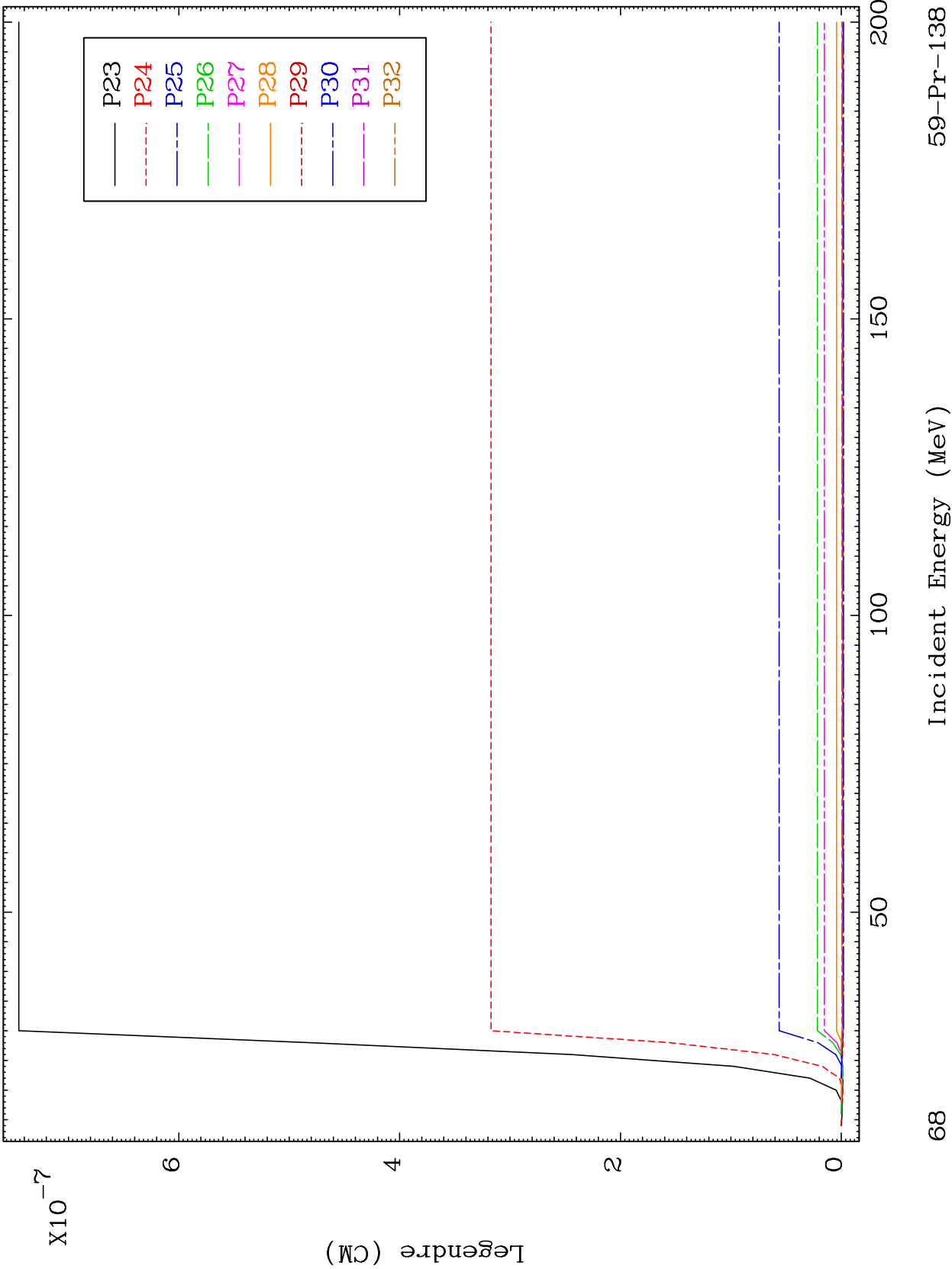
59-Pr-138



MAT 5916

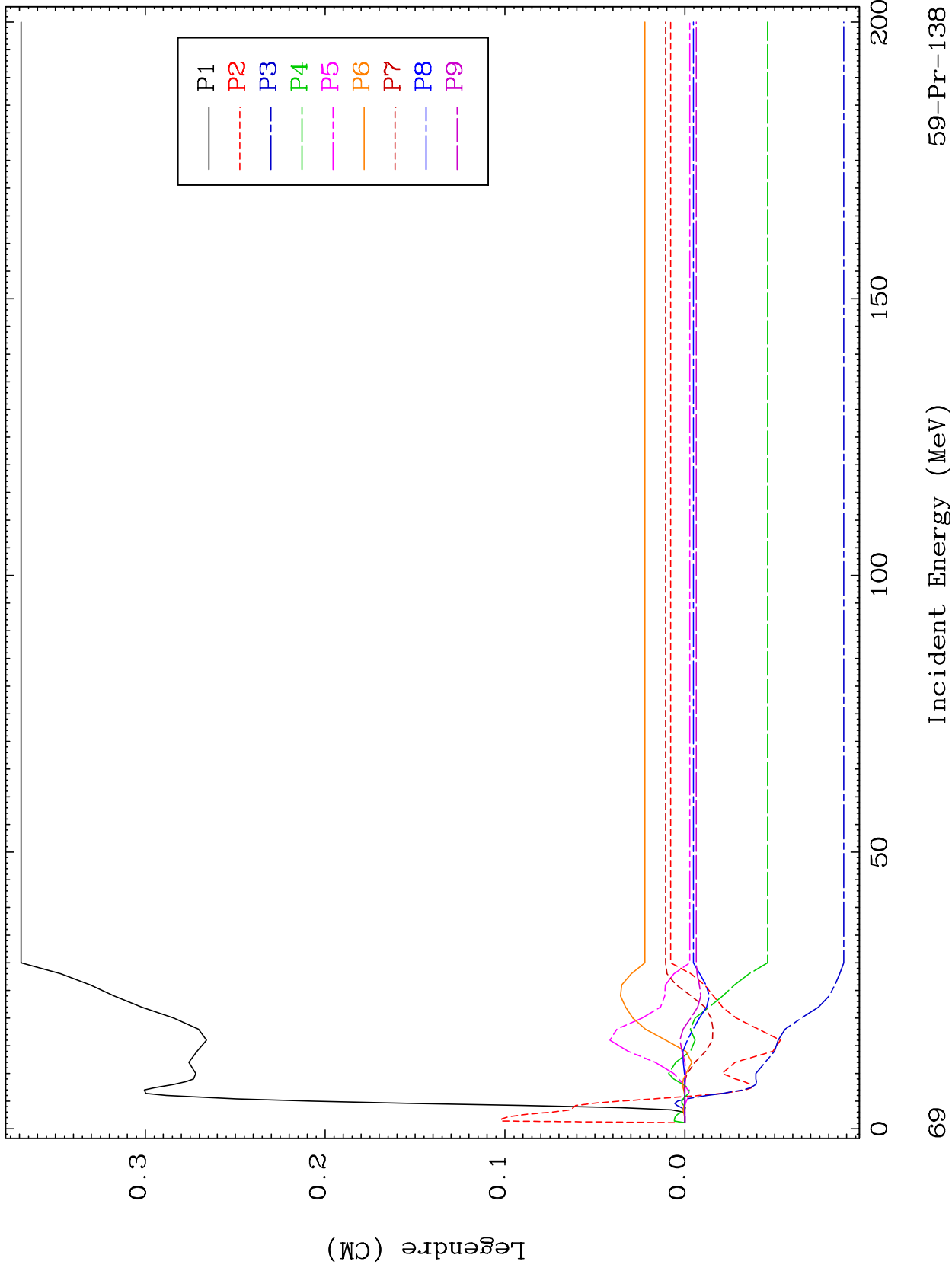
MT= 65 (n,n') Level  
Legendre Coefficients

59-Pr-138



68

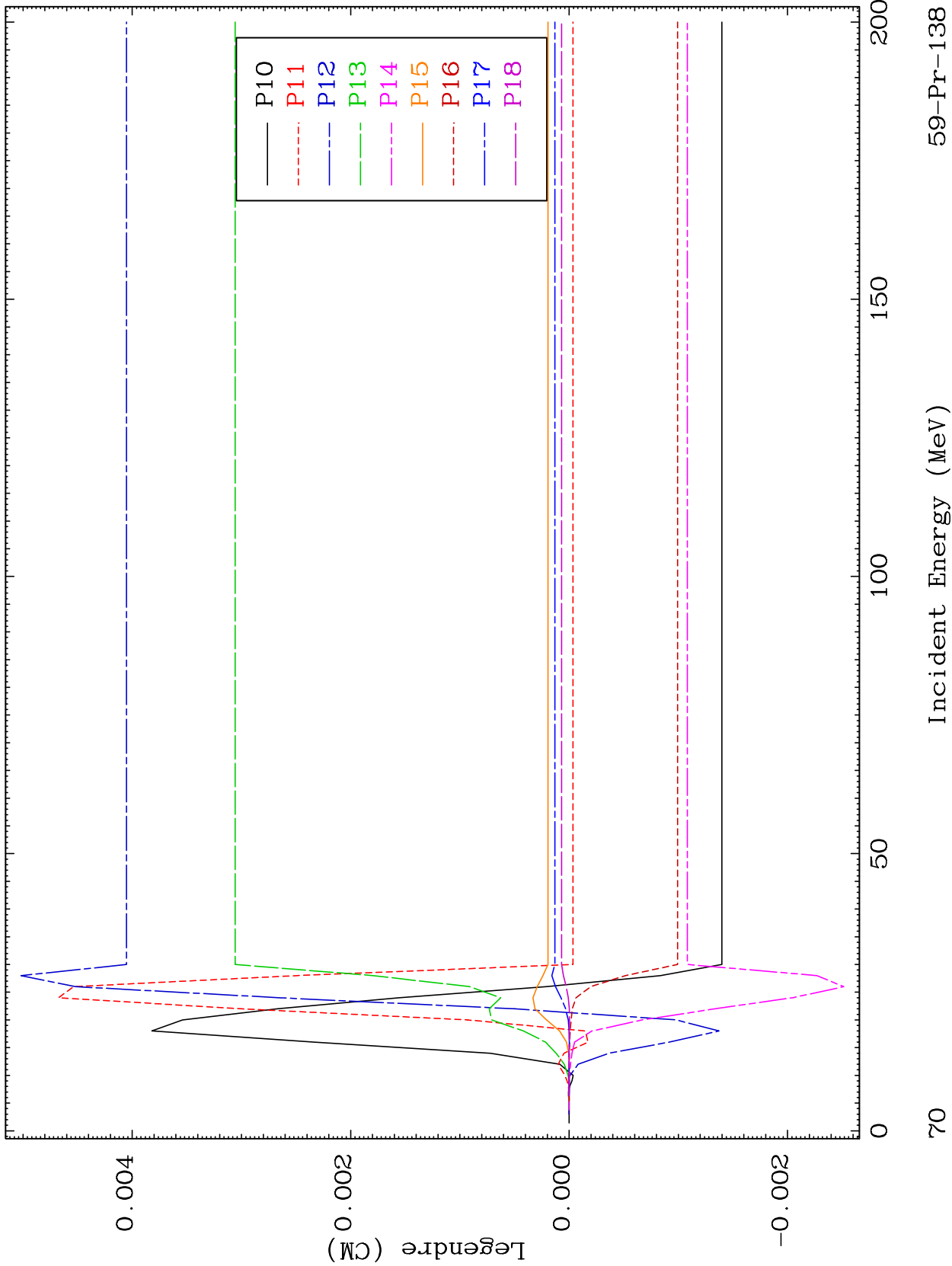
59-Pr-138



MAT 5916

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

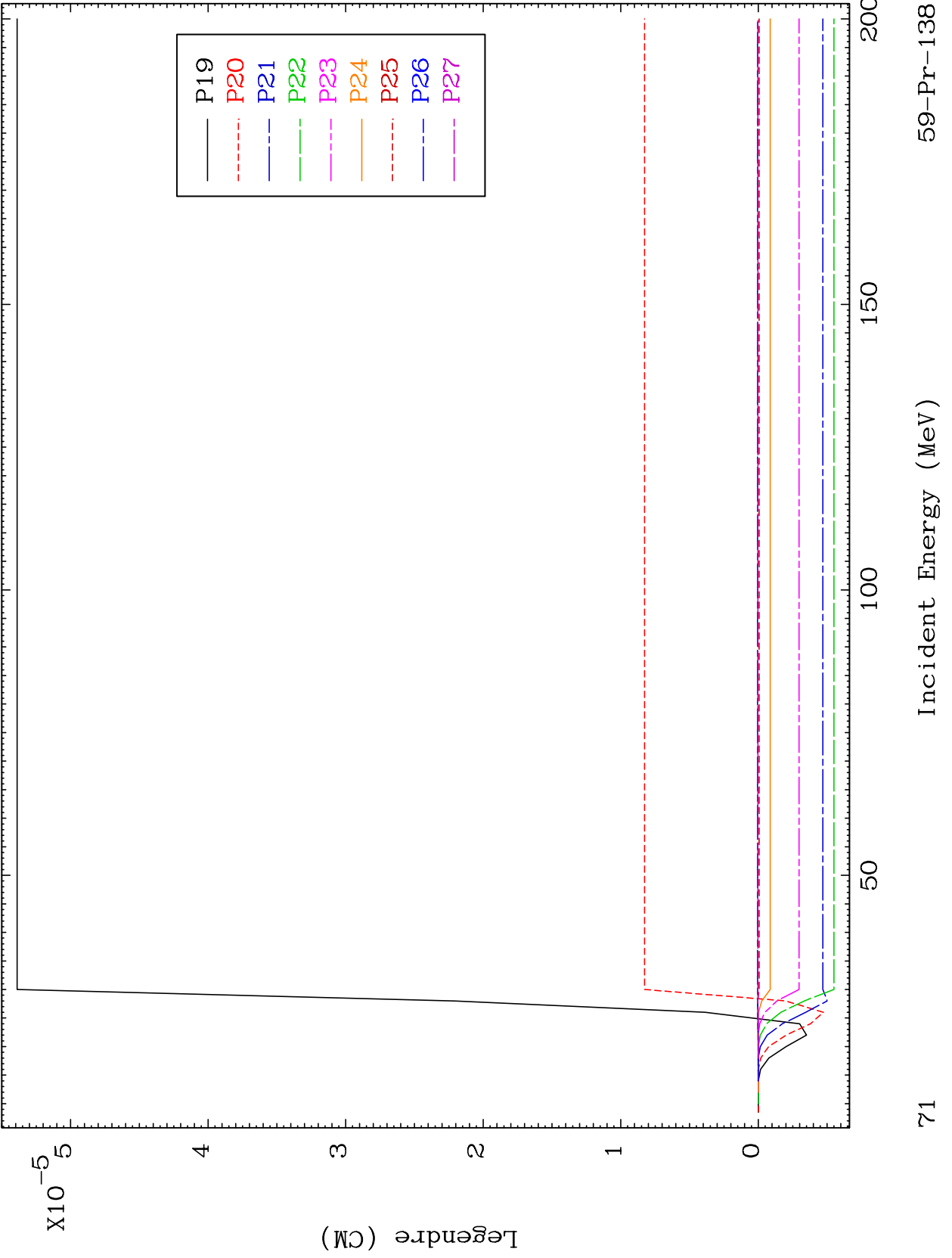
59-Pr-138



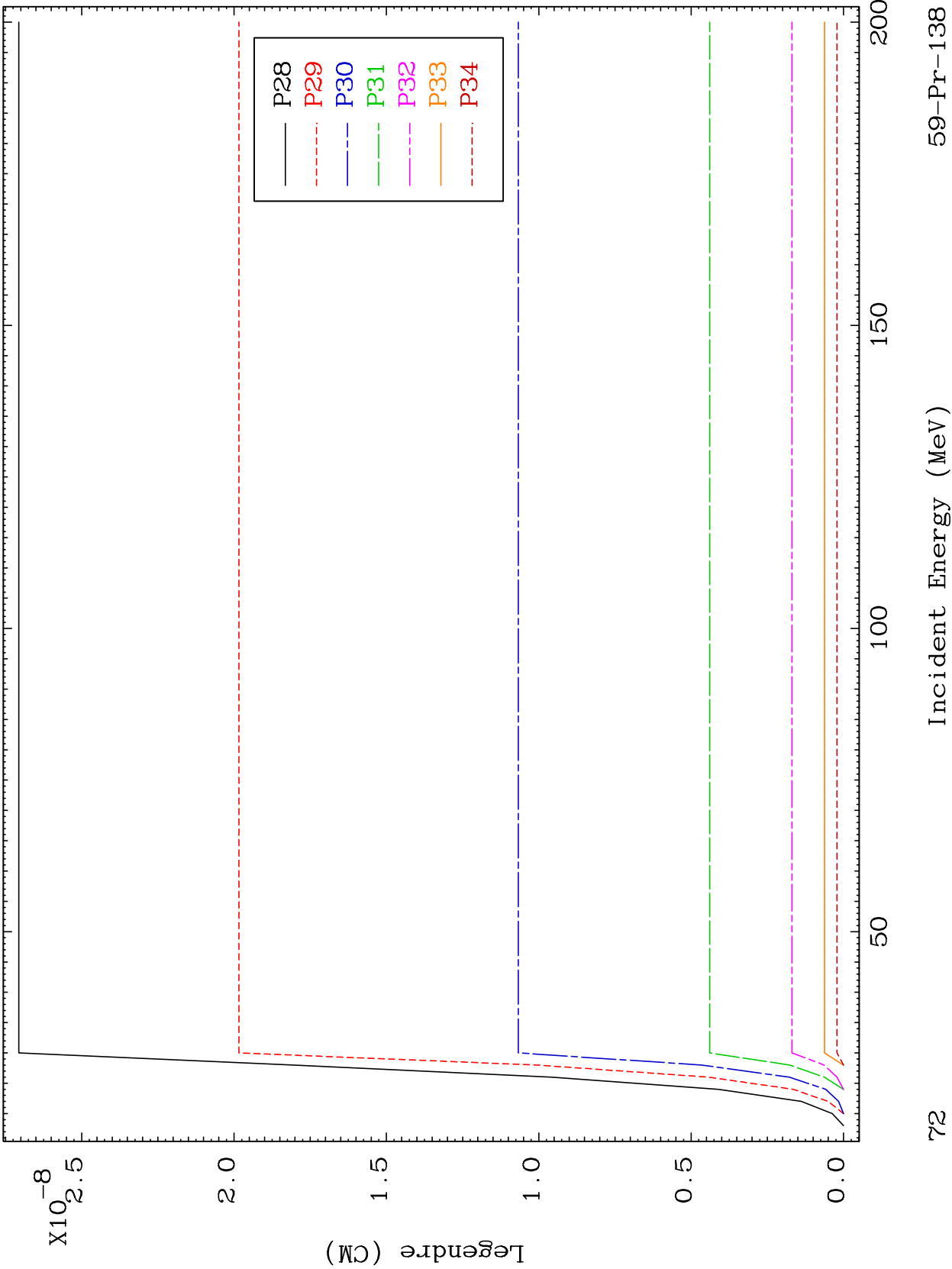
59-Pr-138

Incident Energy (MeV)

70



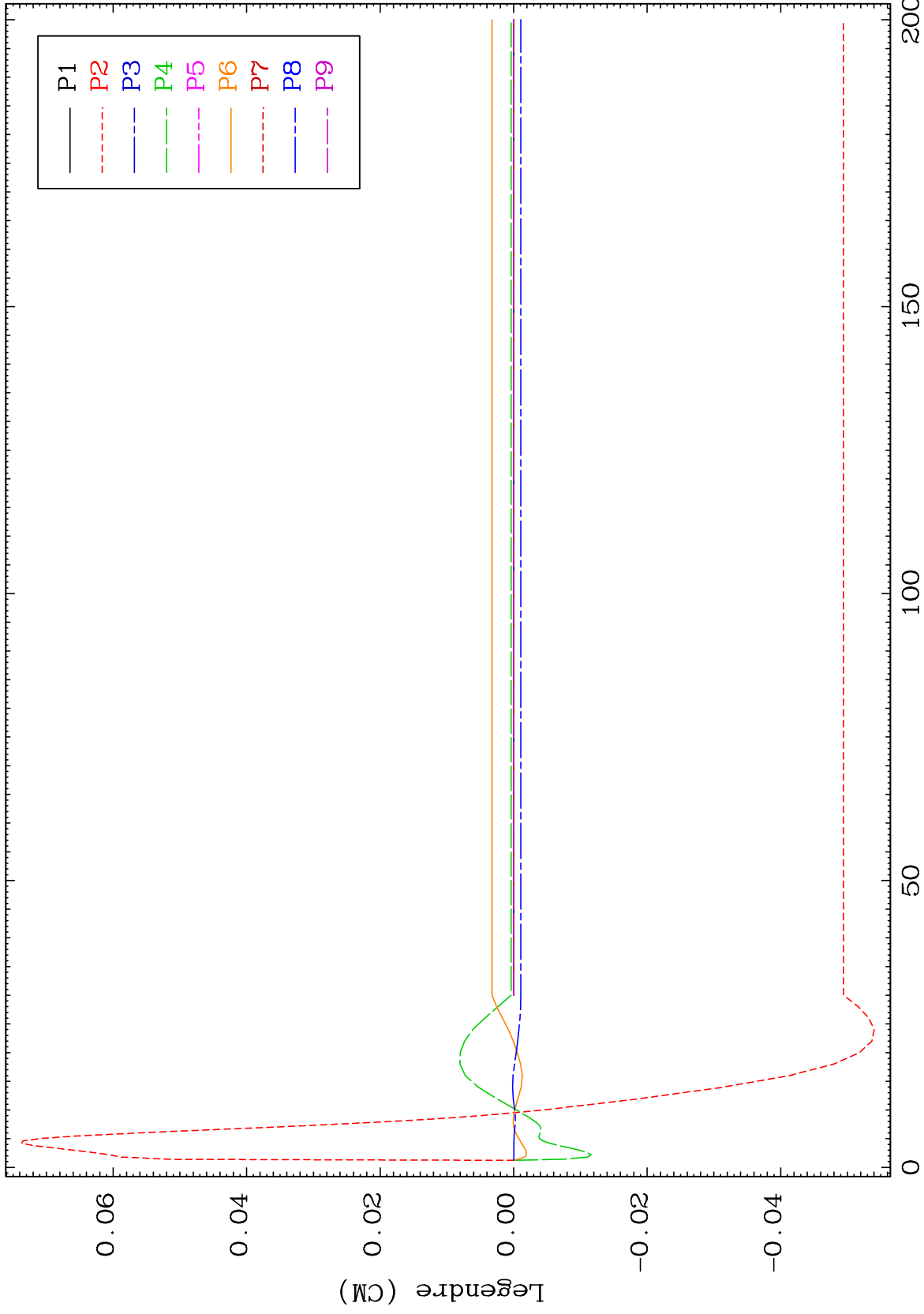




MAT 5916

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

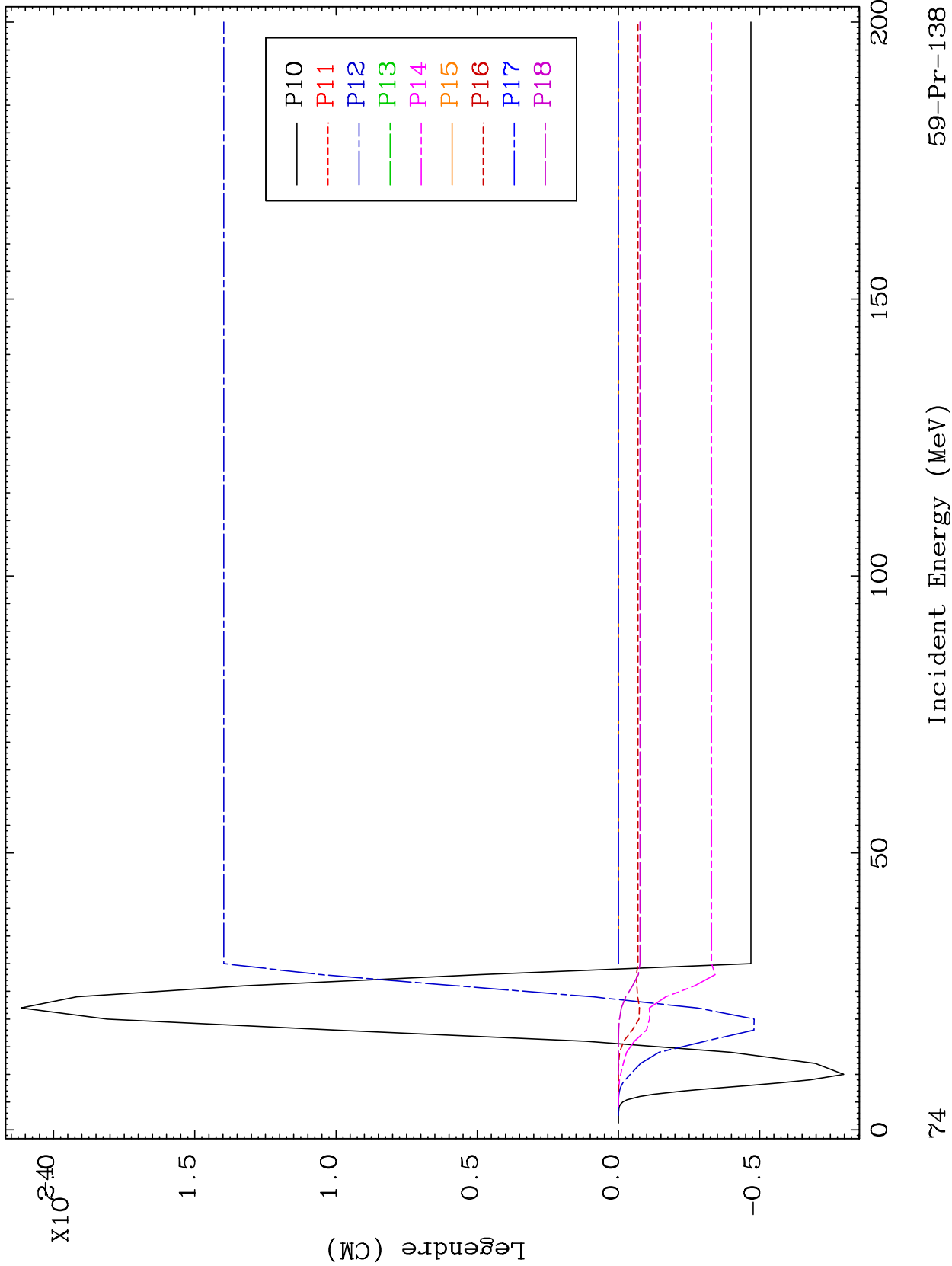
59-Pr-138



59-Pr-138

Incident Energy (MeV)

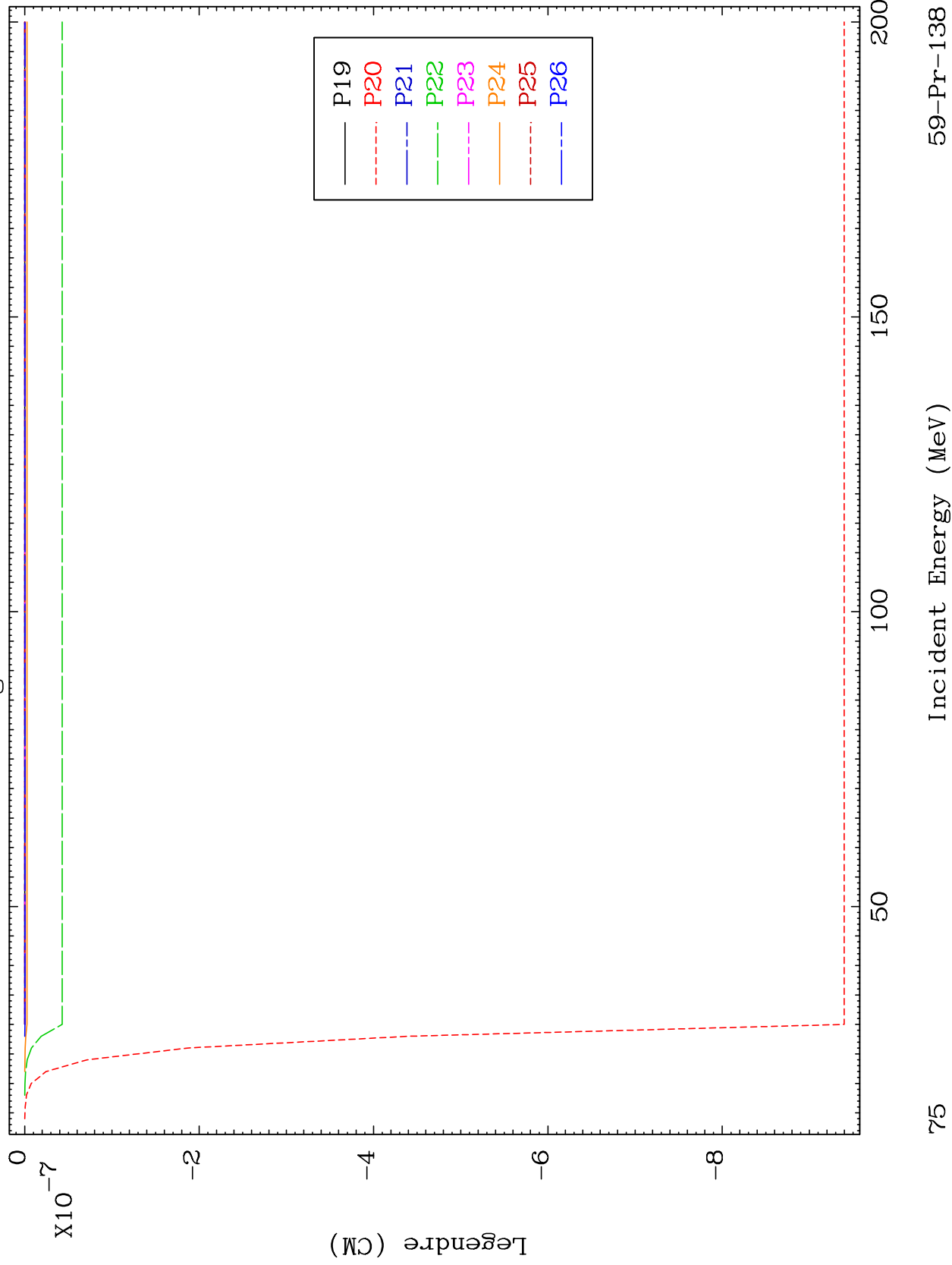
73



MAT 5916

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

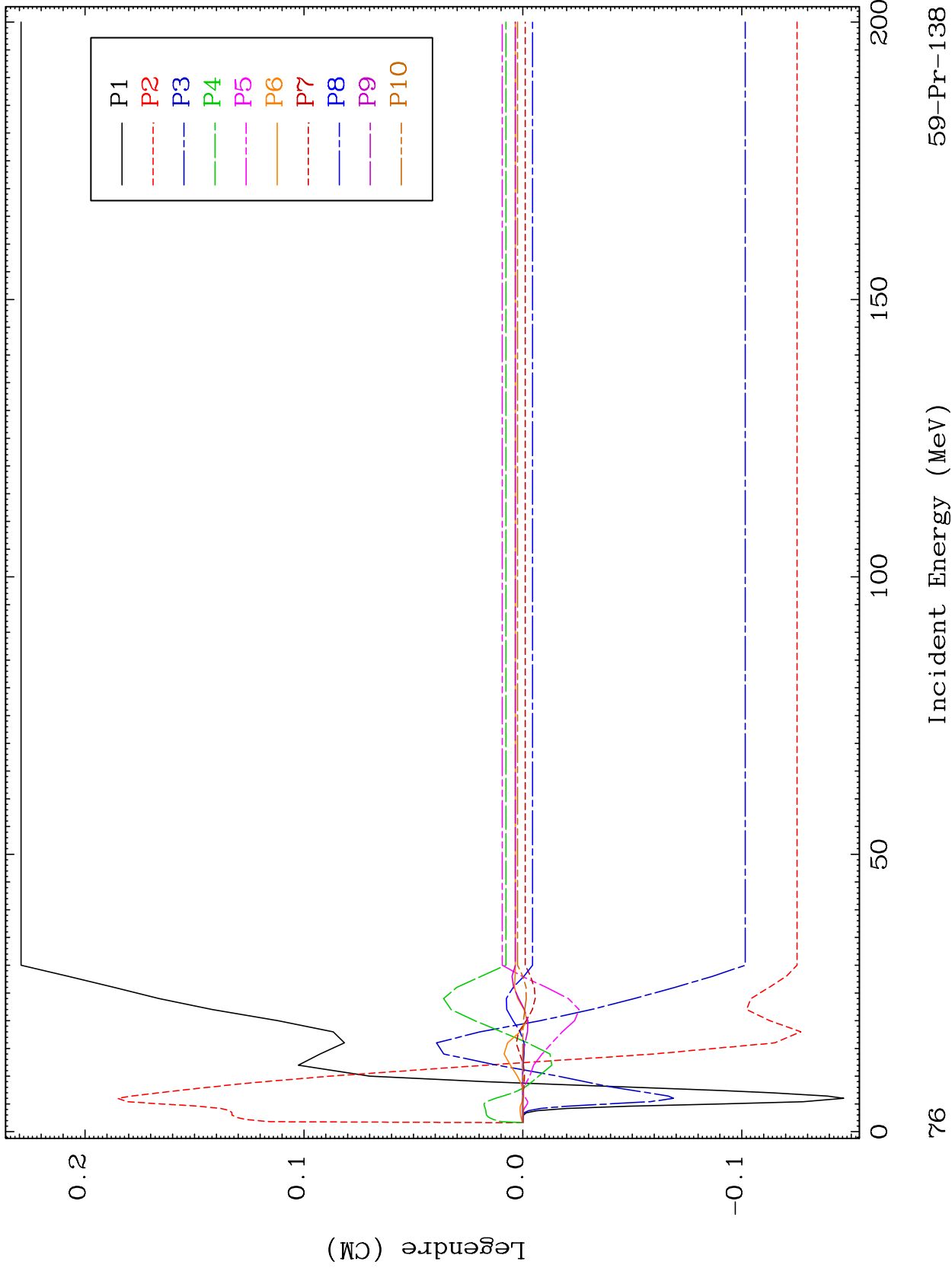
59-Pr-138

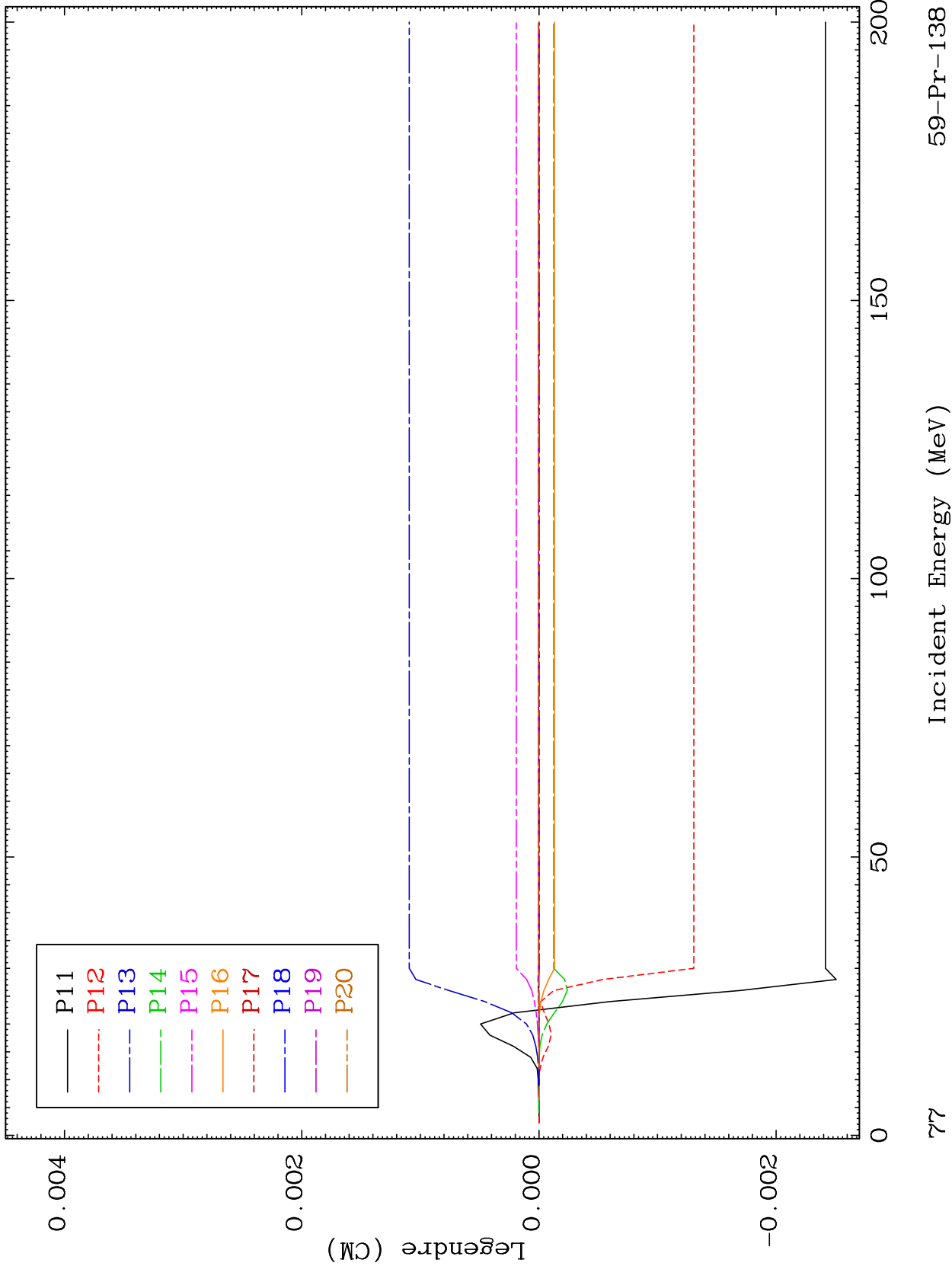


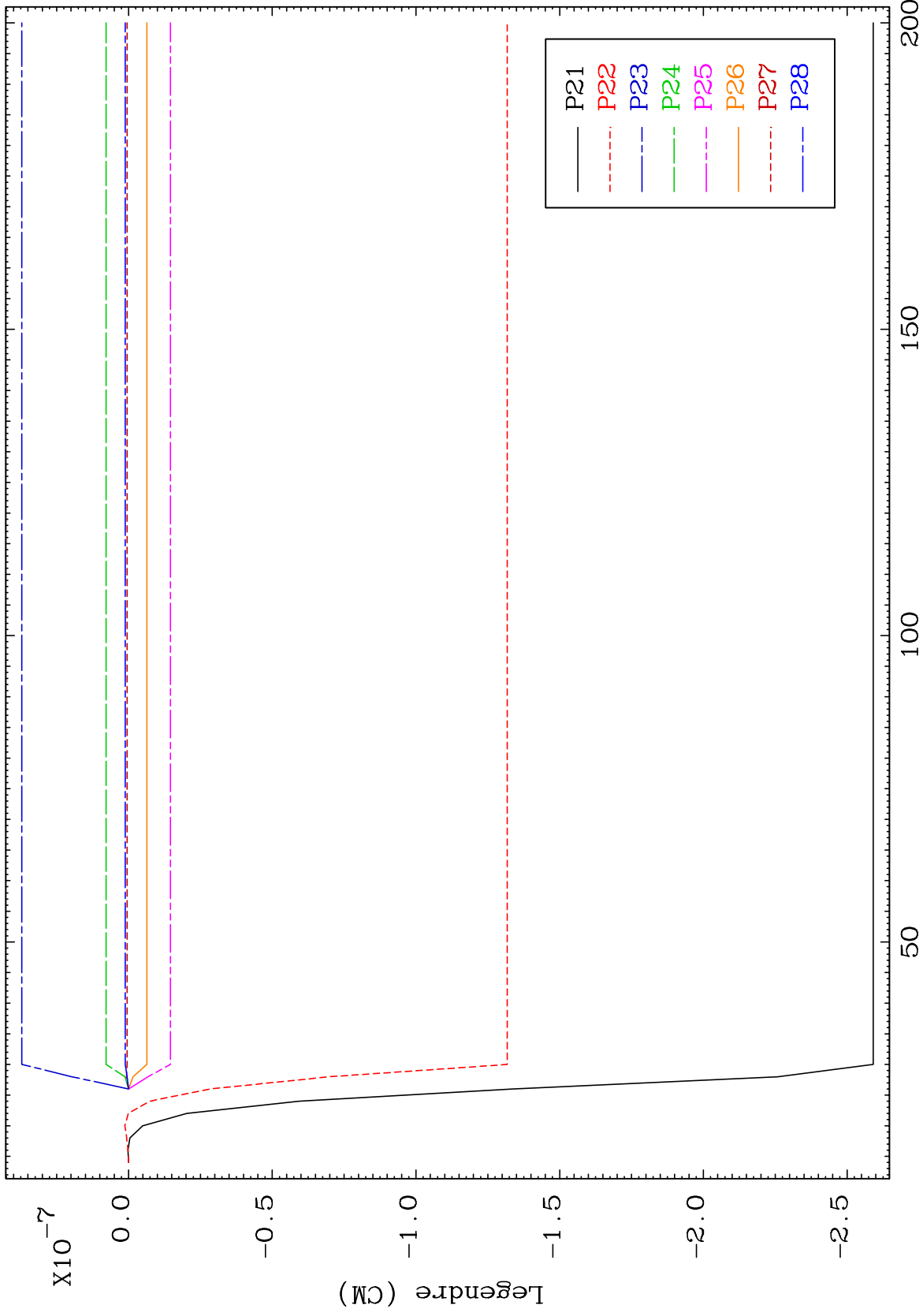
75

Incident Energy (MeV)

59-Pr-138



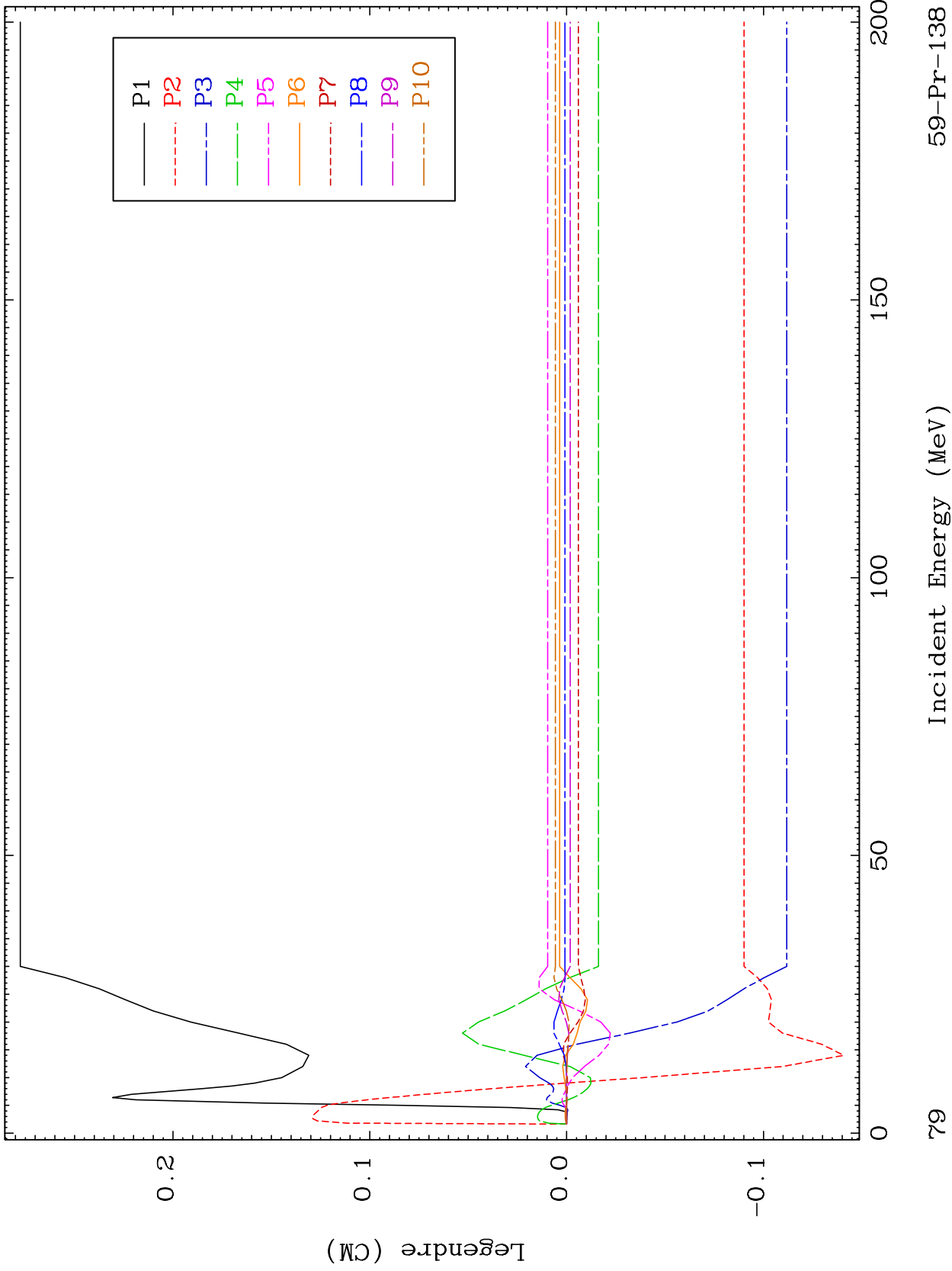




MAT 5916

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

59-Pr-138



59-Pr-138

Incident Energy (MeV)

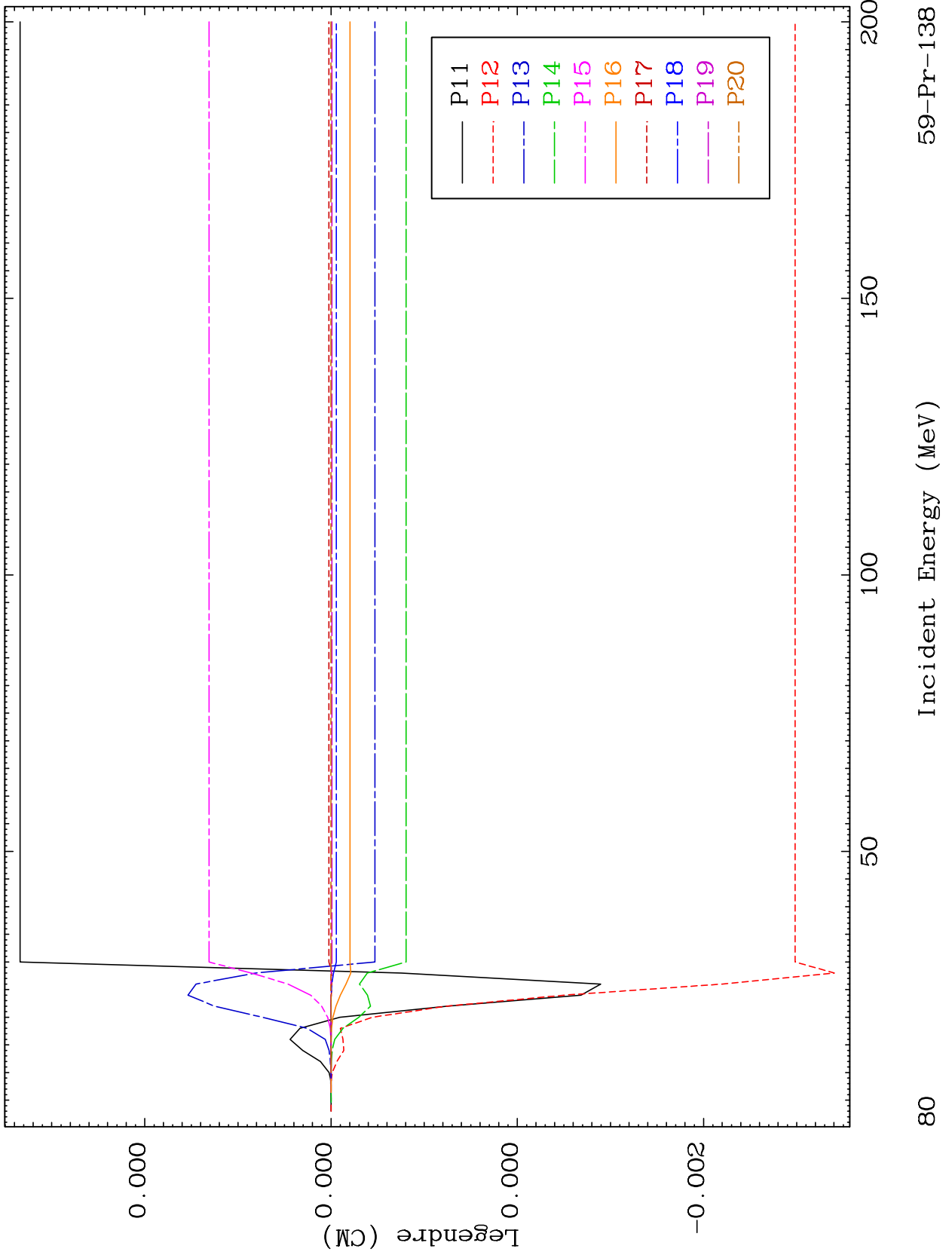
79



MAT 5916

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

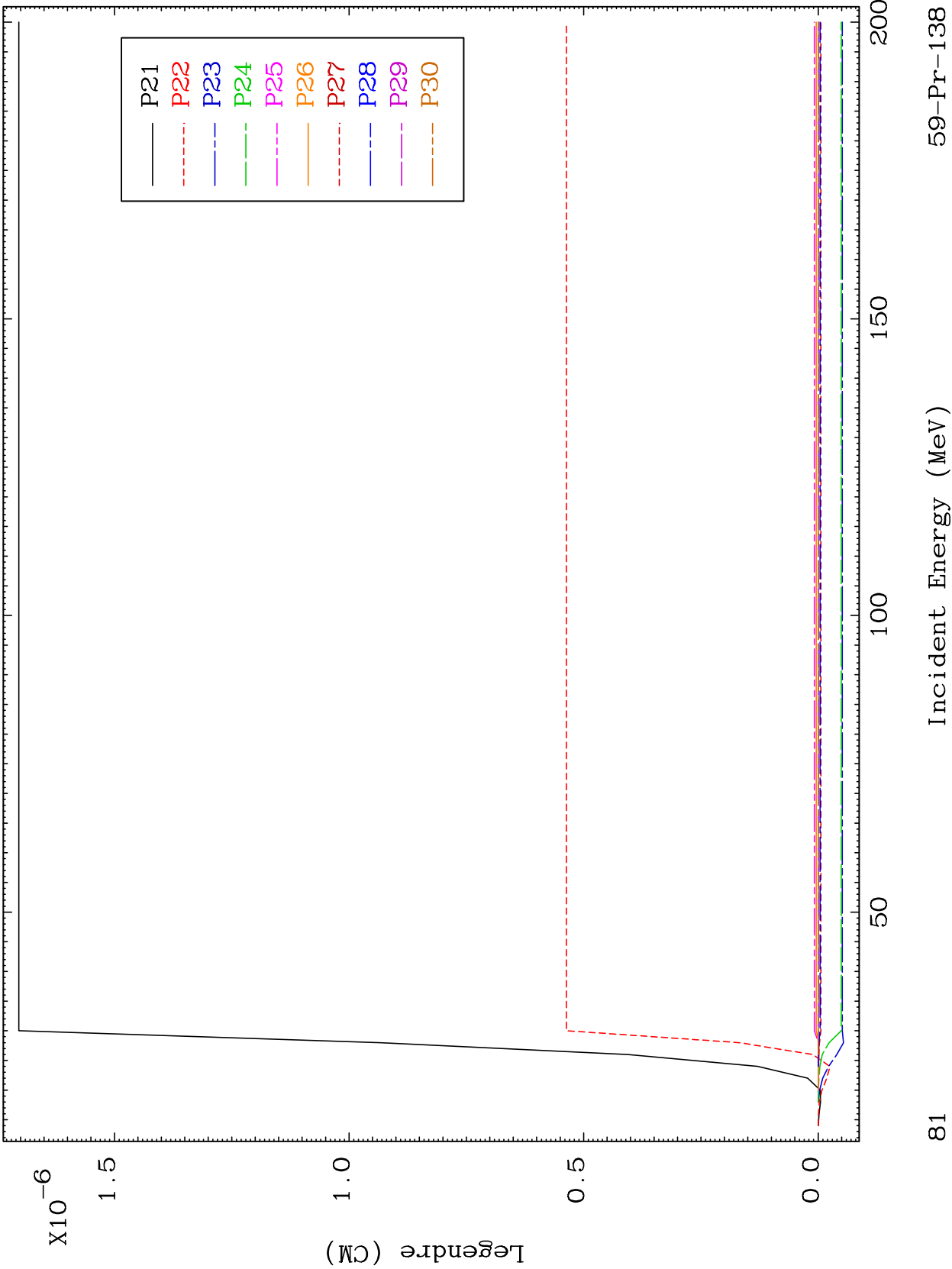
59-Pr-138



80

Incident Energy (MeV)

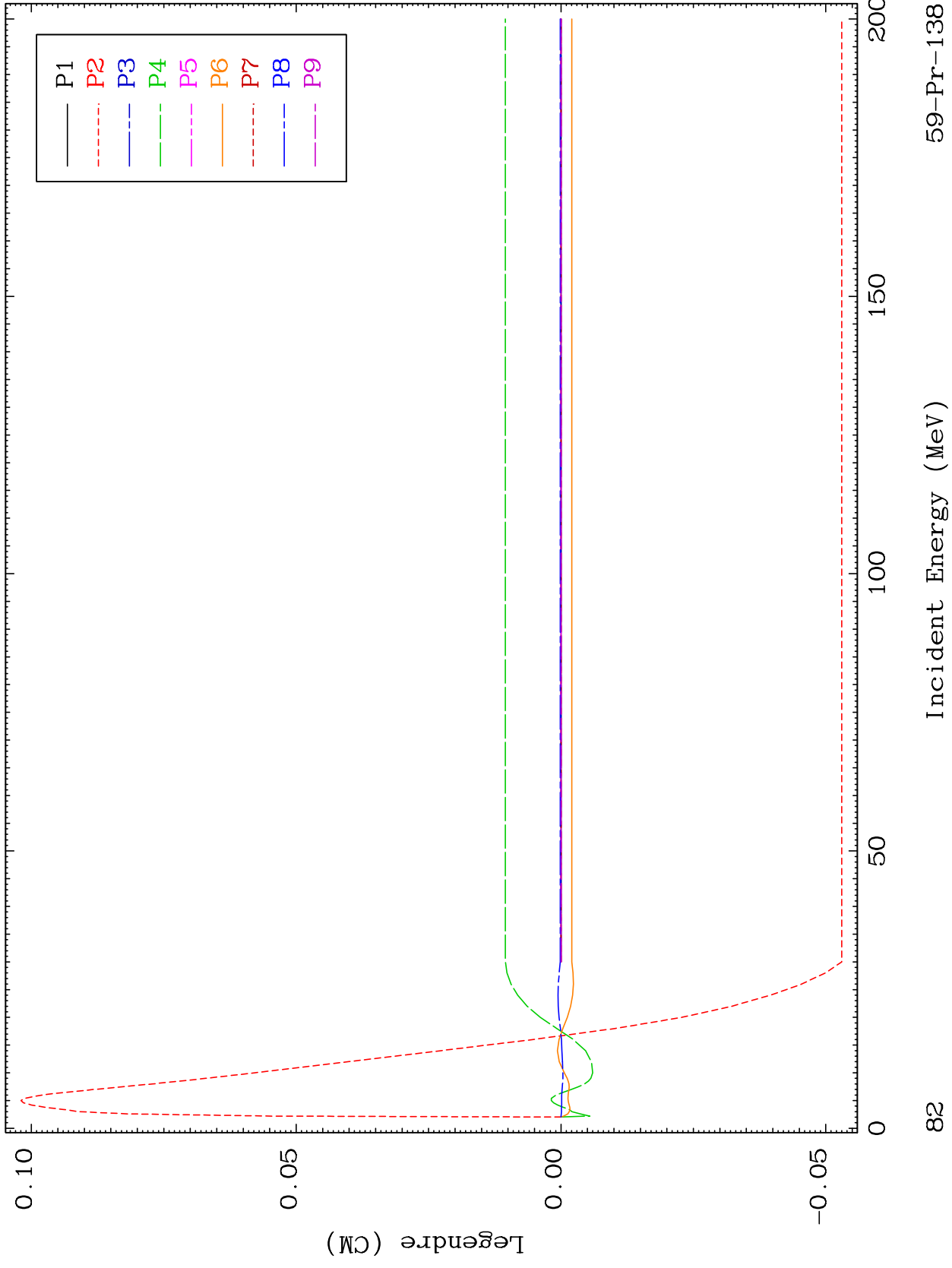
59-Pr-138

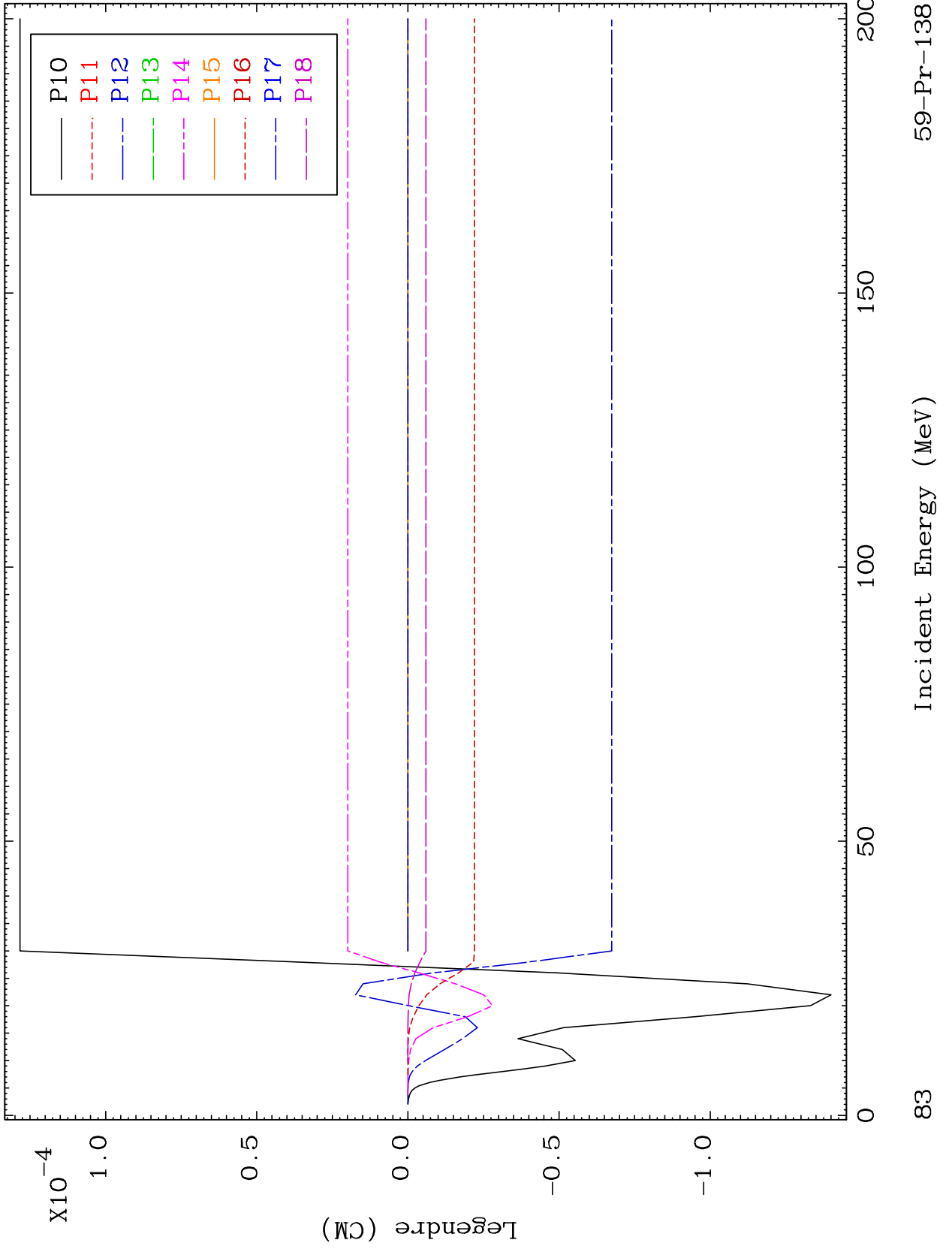


MAT 5916

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

59-Pr-138

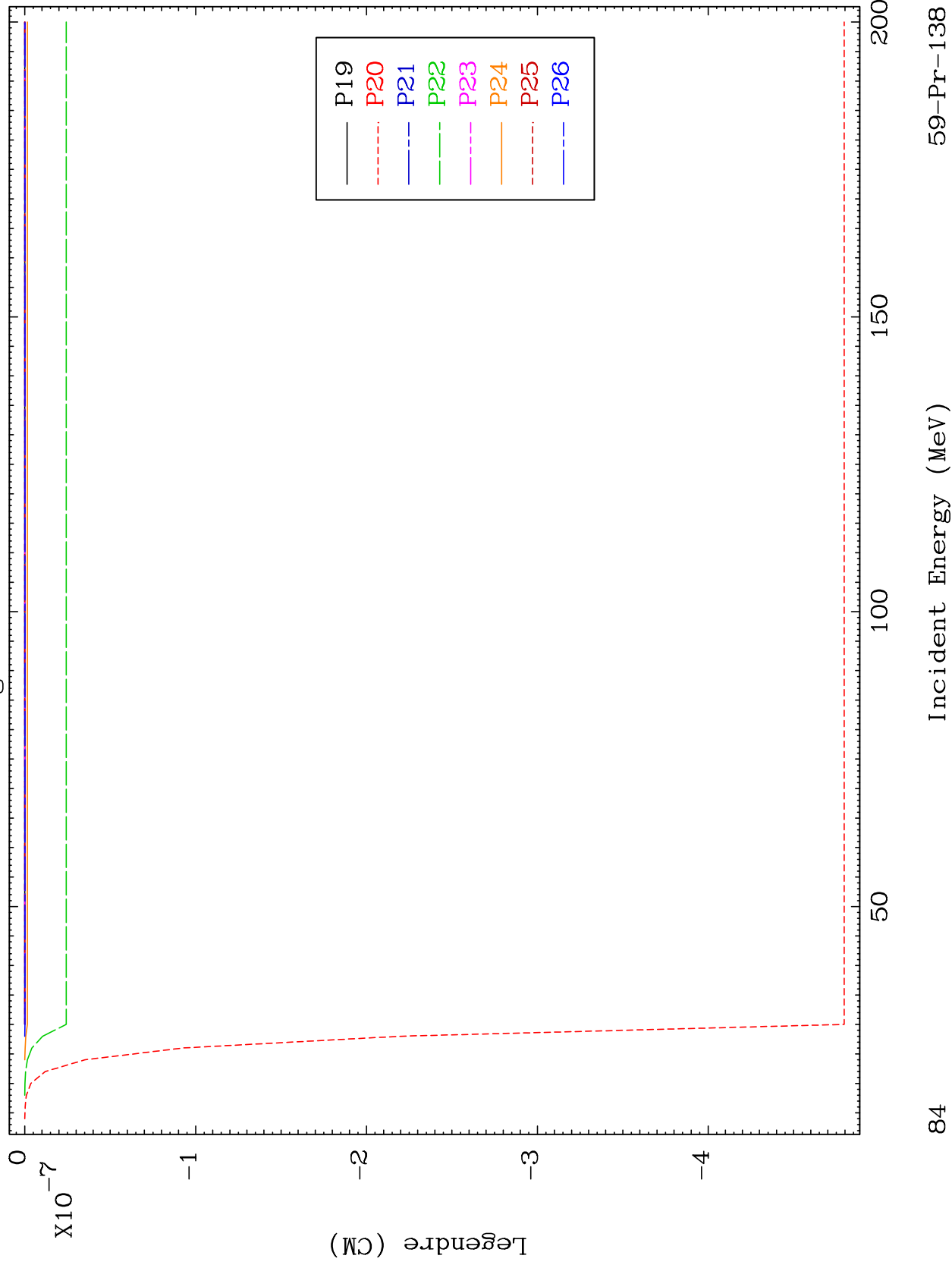




MAT 5916

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

59-Pr-138



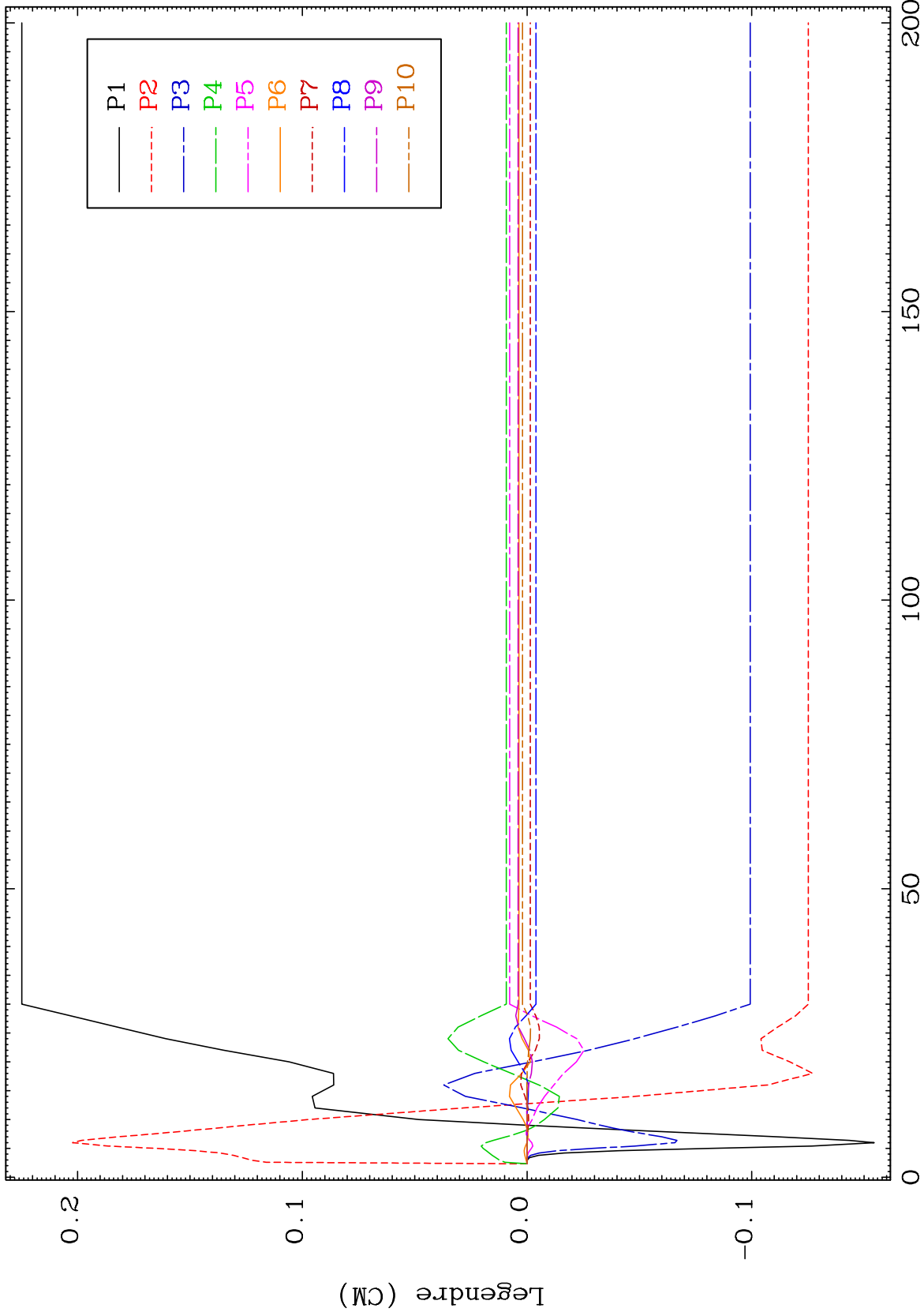
84

59-Pr-138

MAT 5916

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

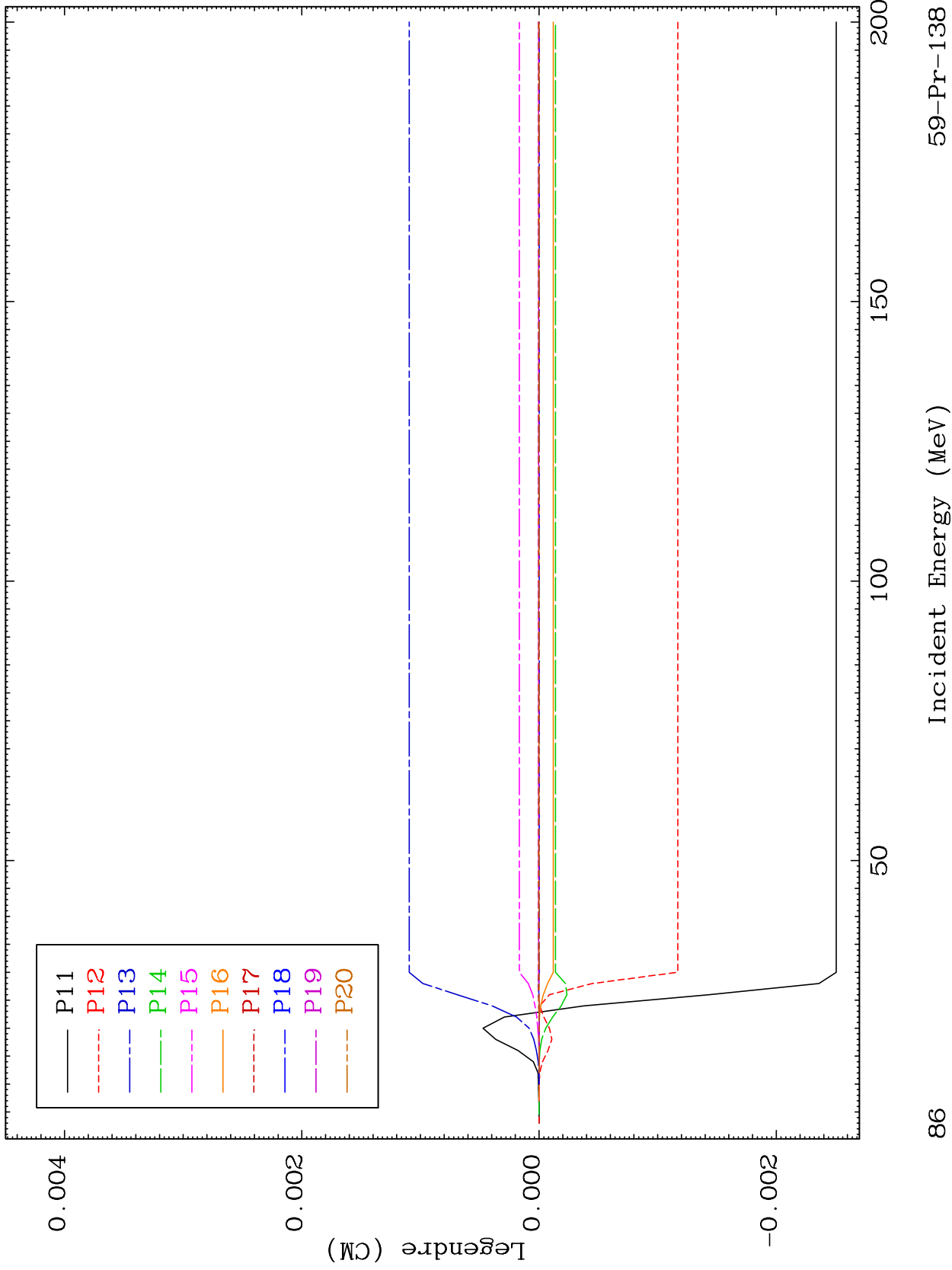
59-Pr-138

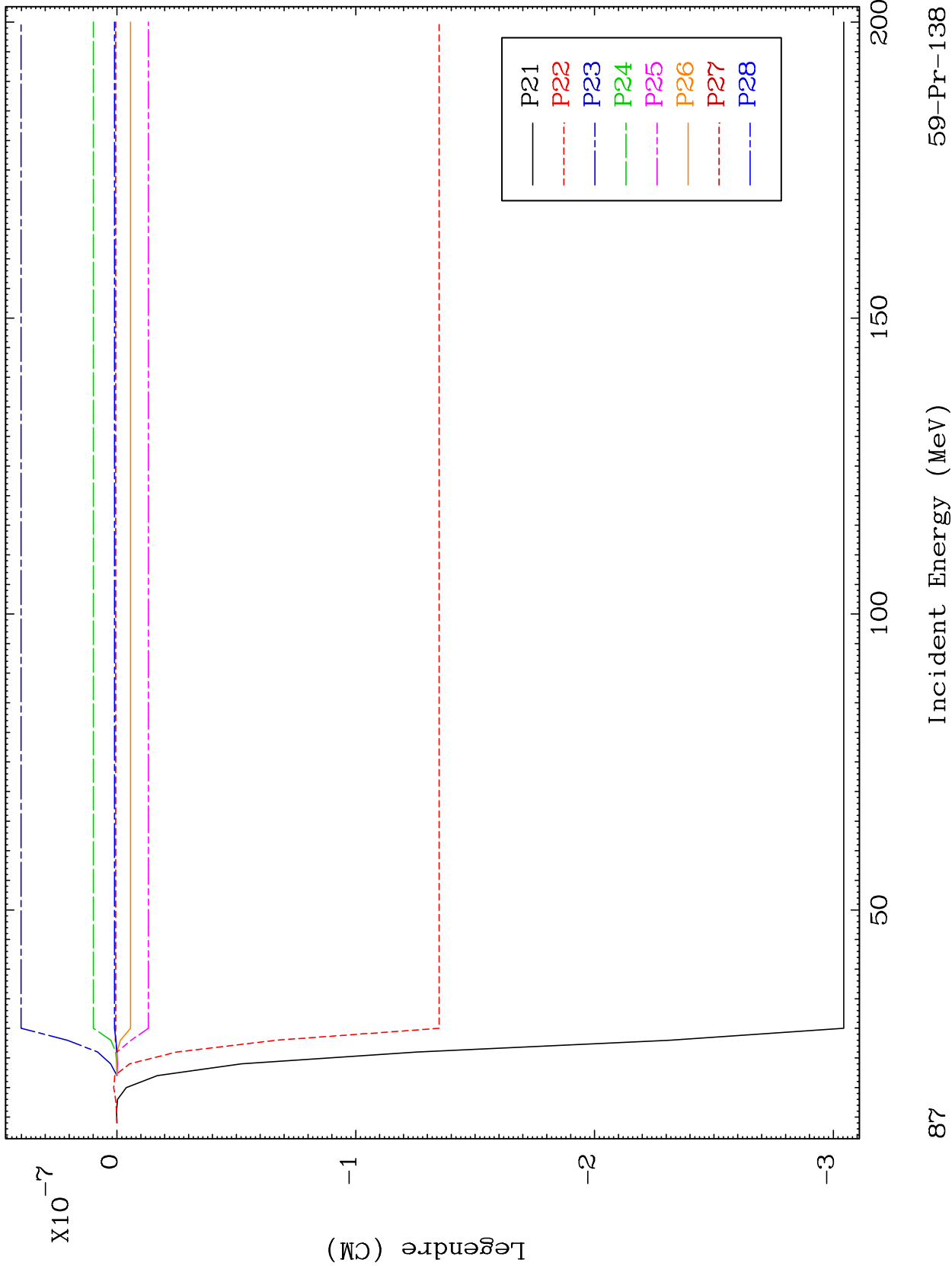


85

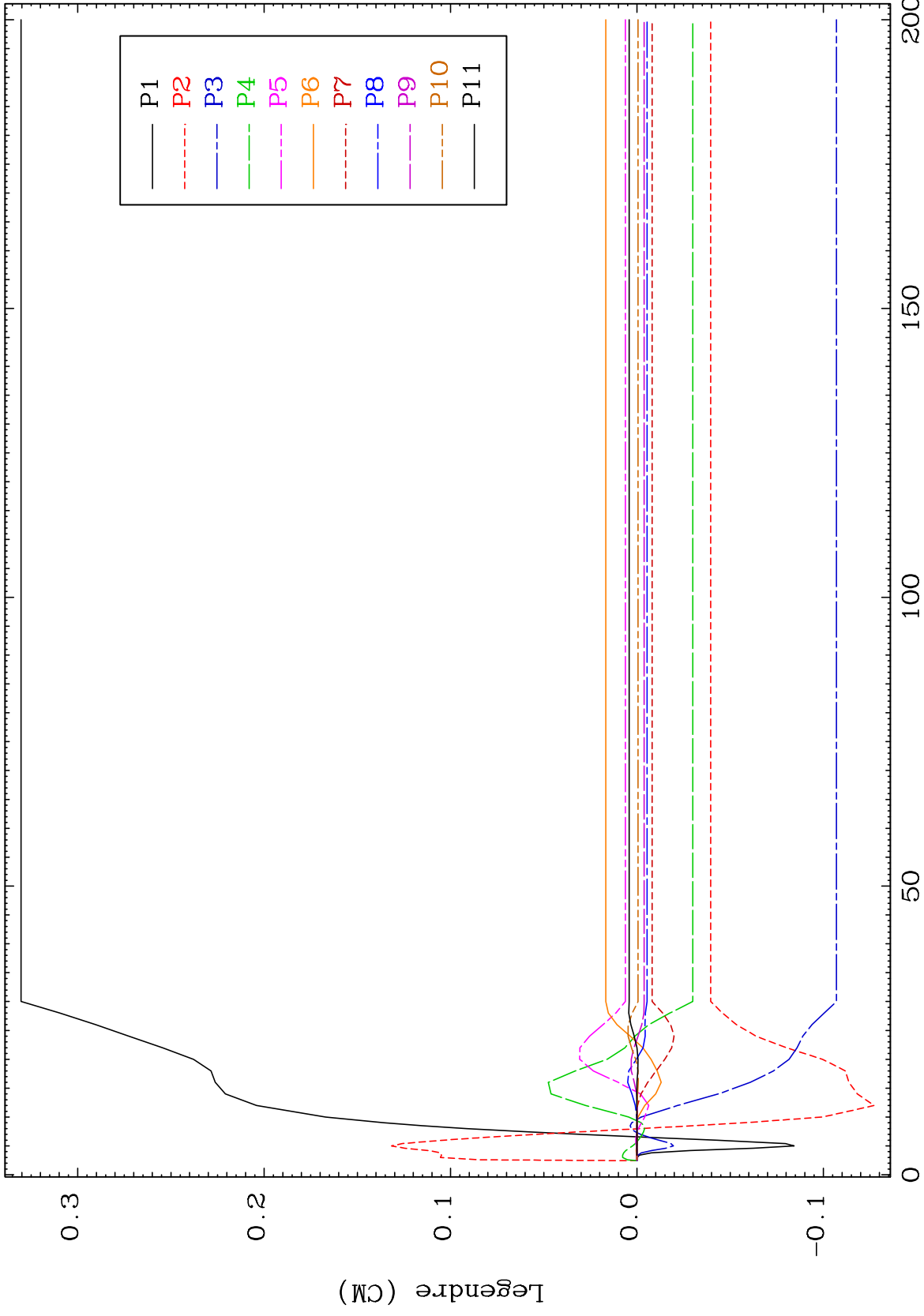
Incident Energy (MeV)

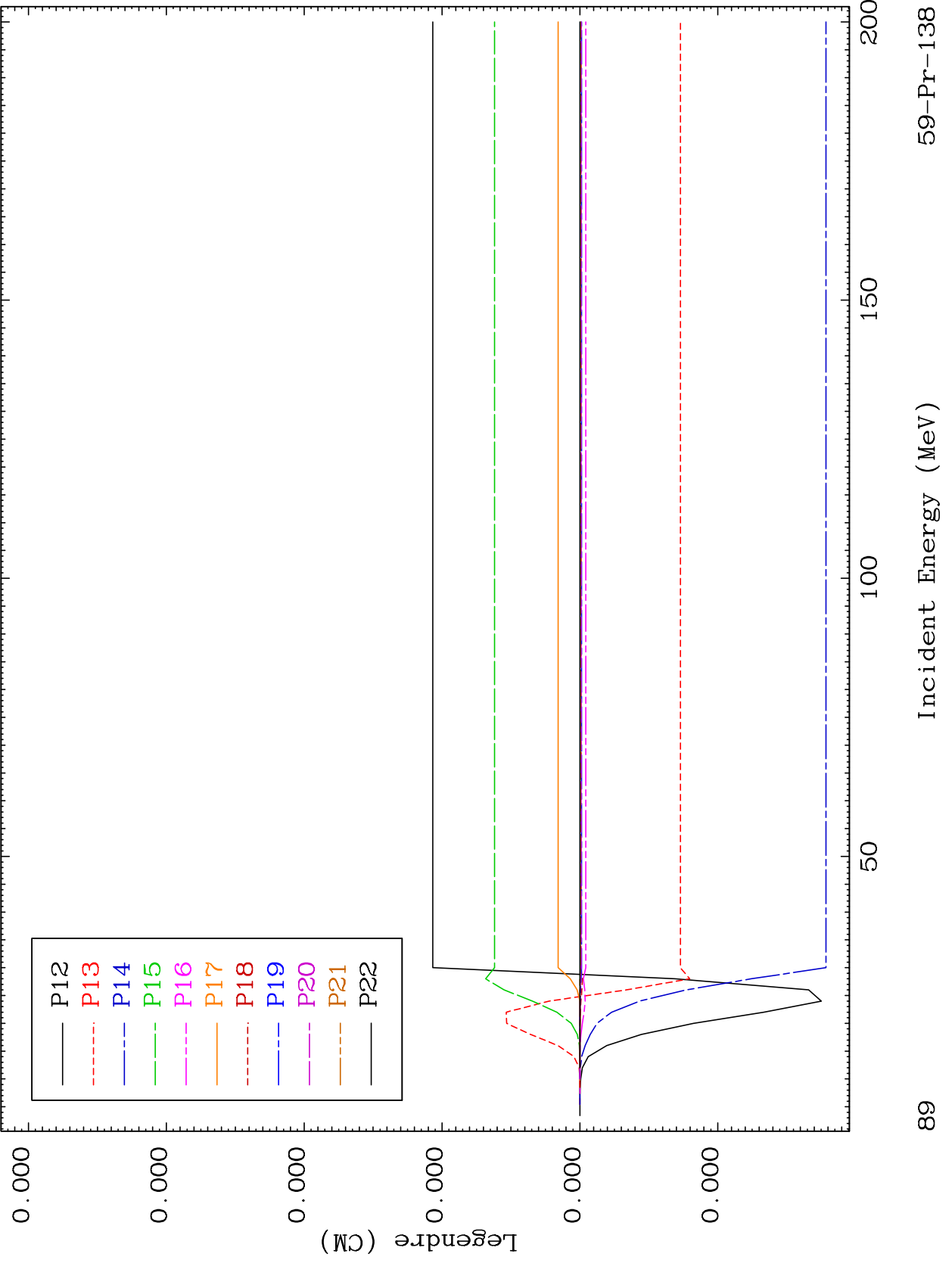
59-Pr-138







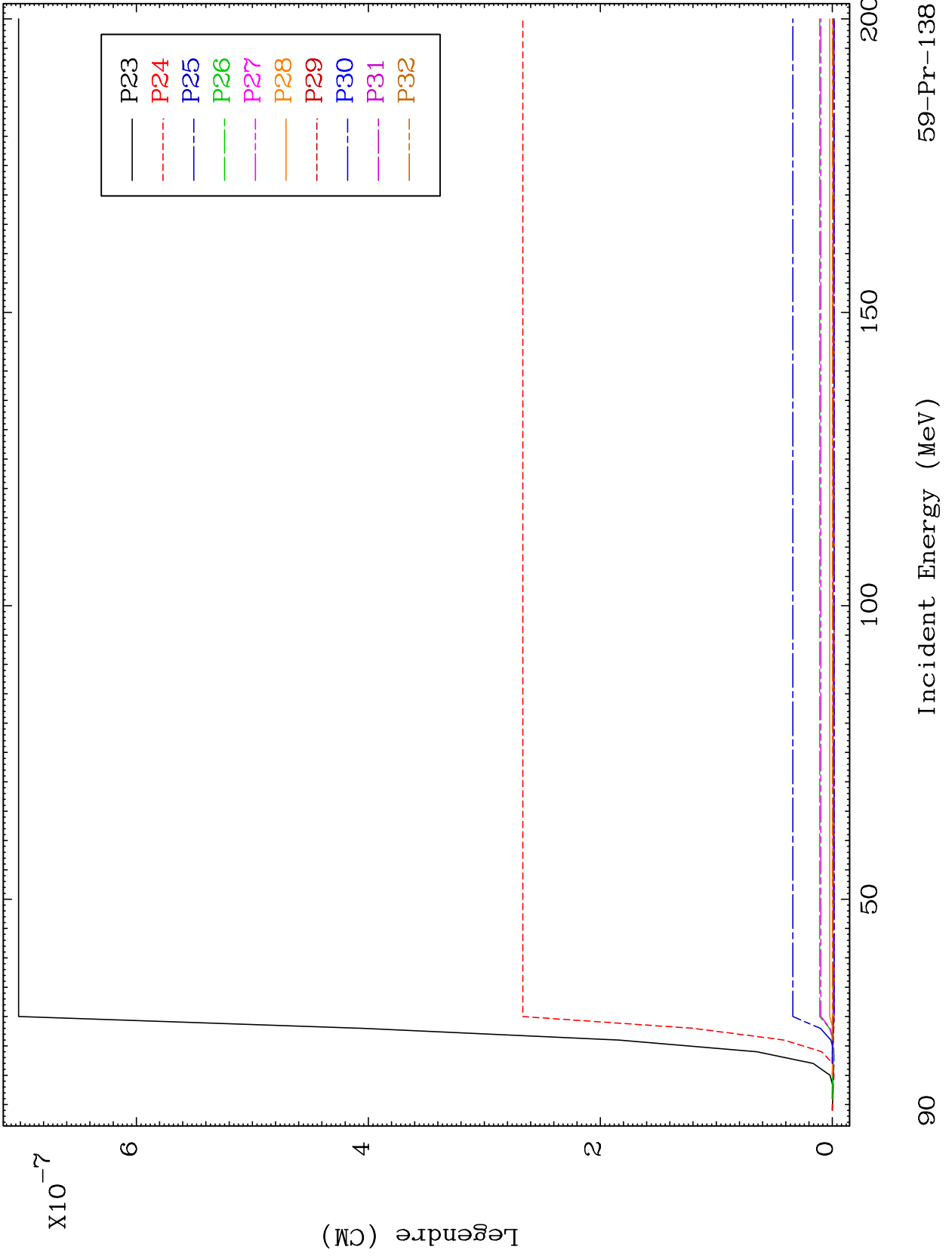




MAT 5916

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

59-Pr-138



90

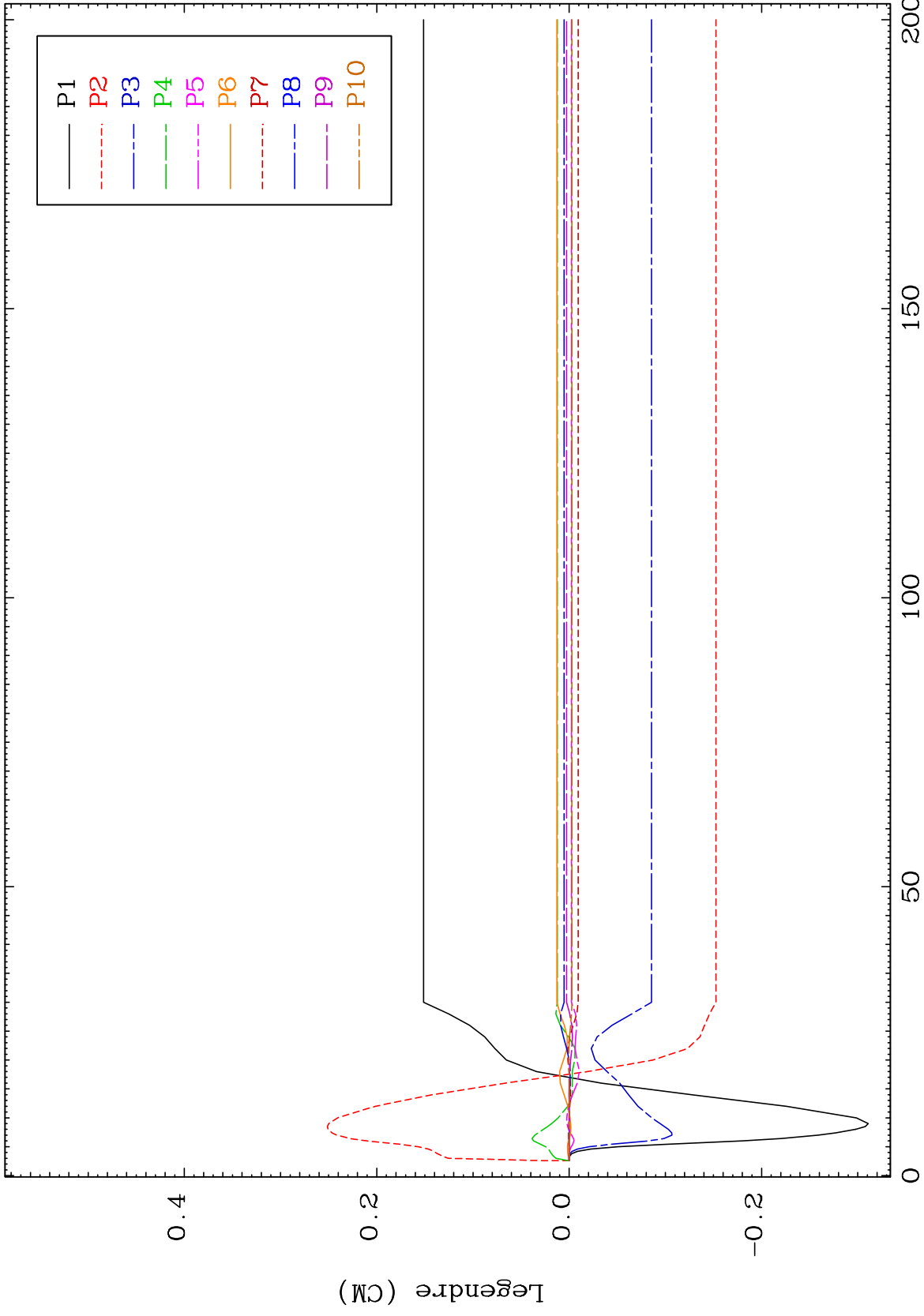
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



91

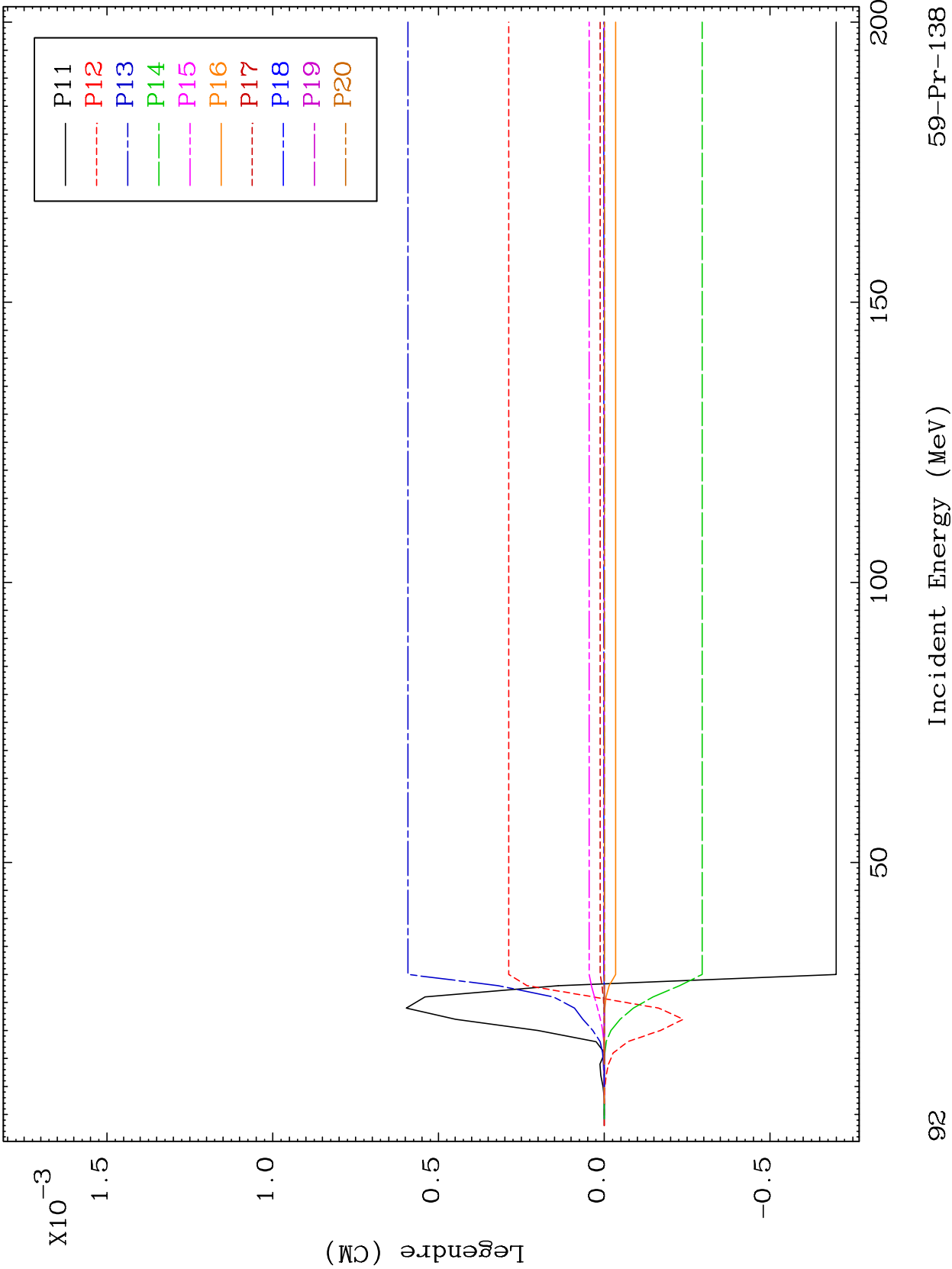
Incident Energy (MeV)

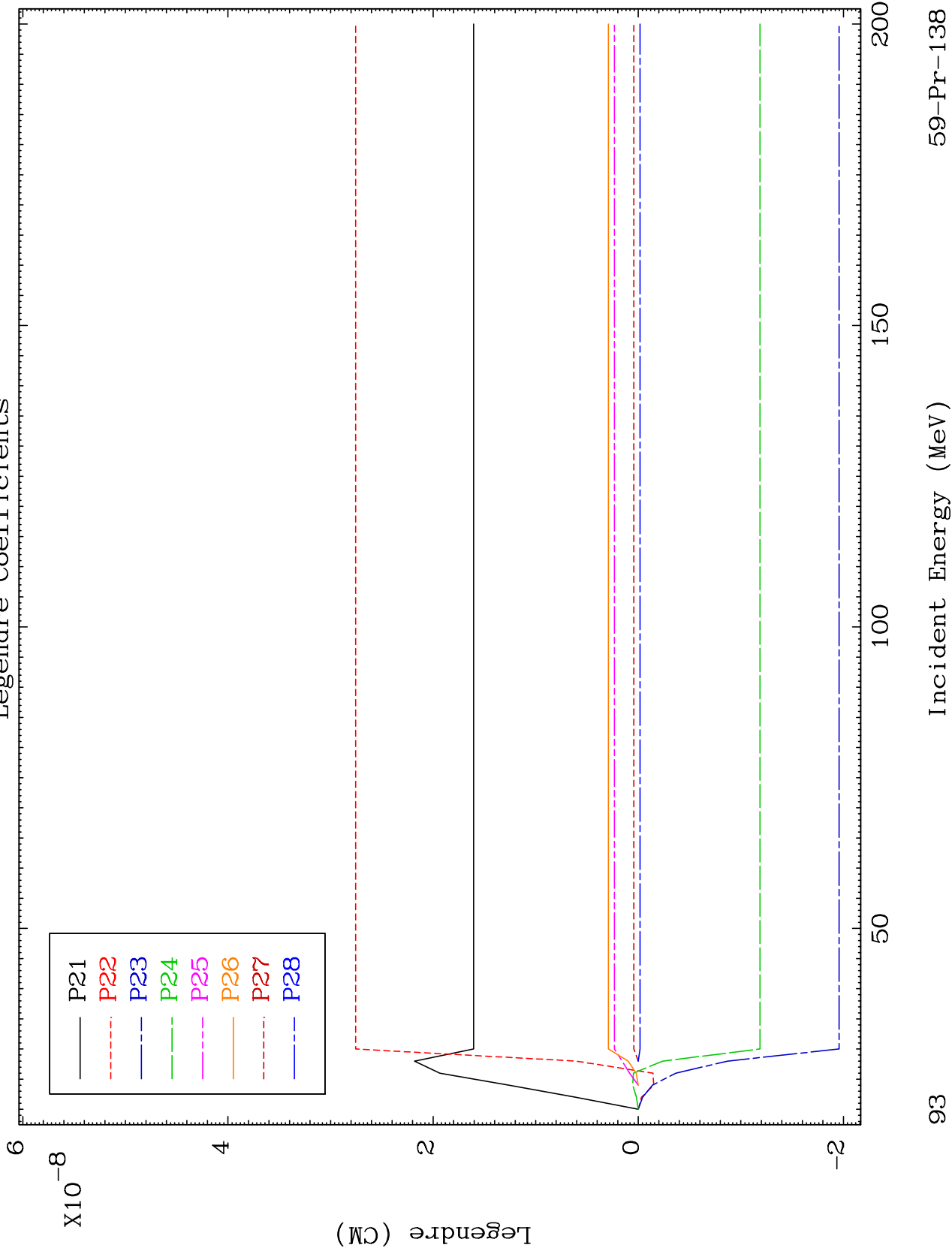
59-Pr-138

MAT 5916

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

59-Pr-138

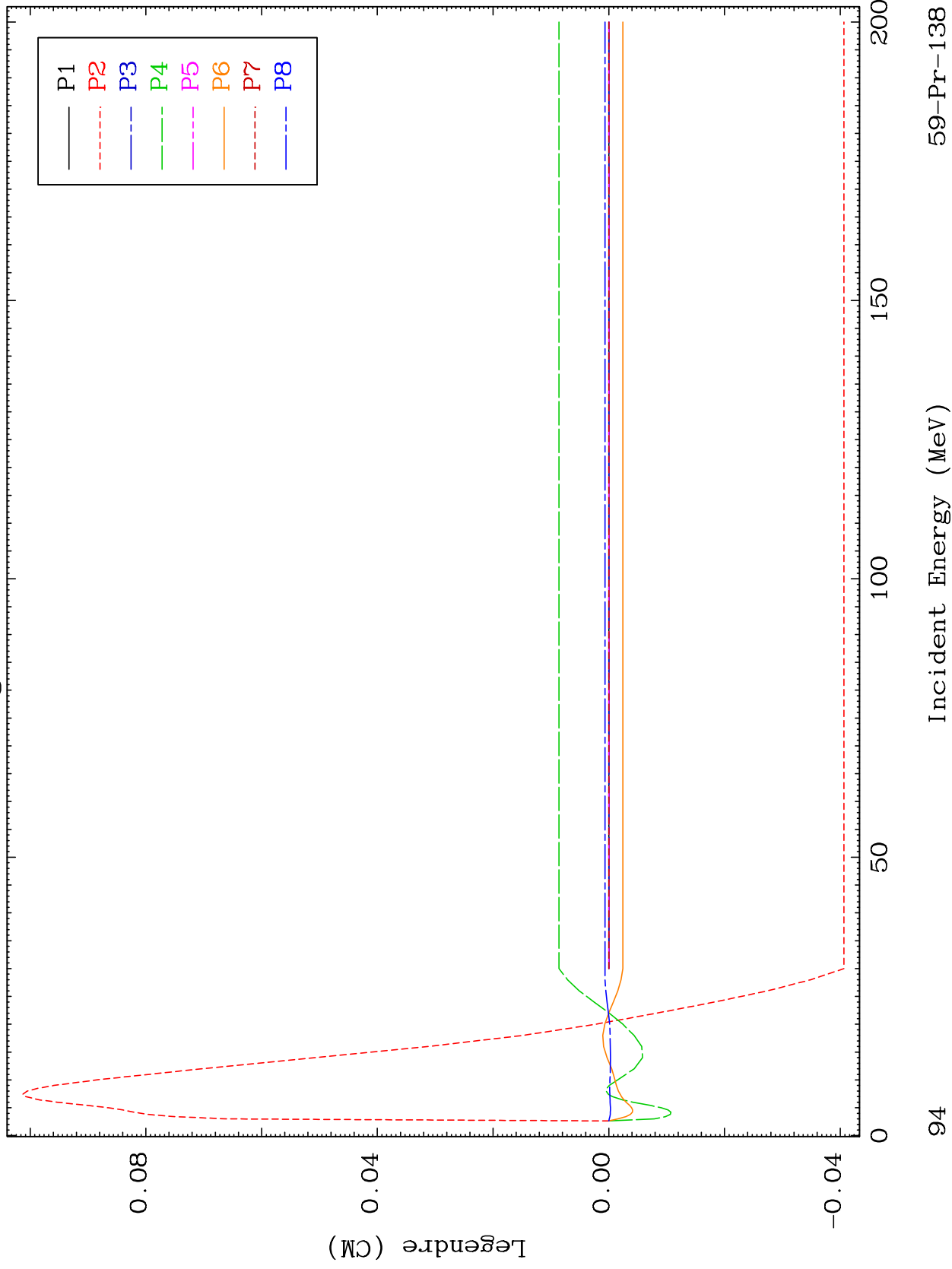




MAT 5916

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

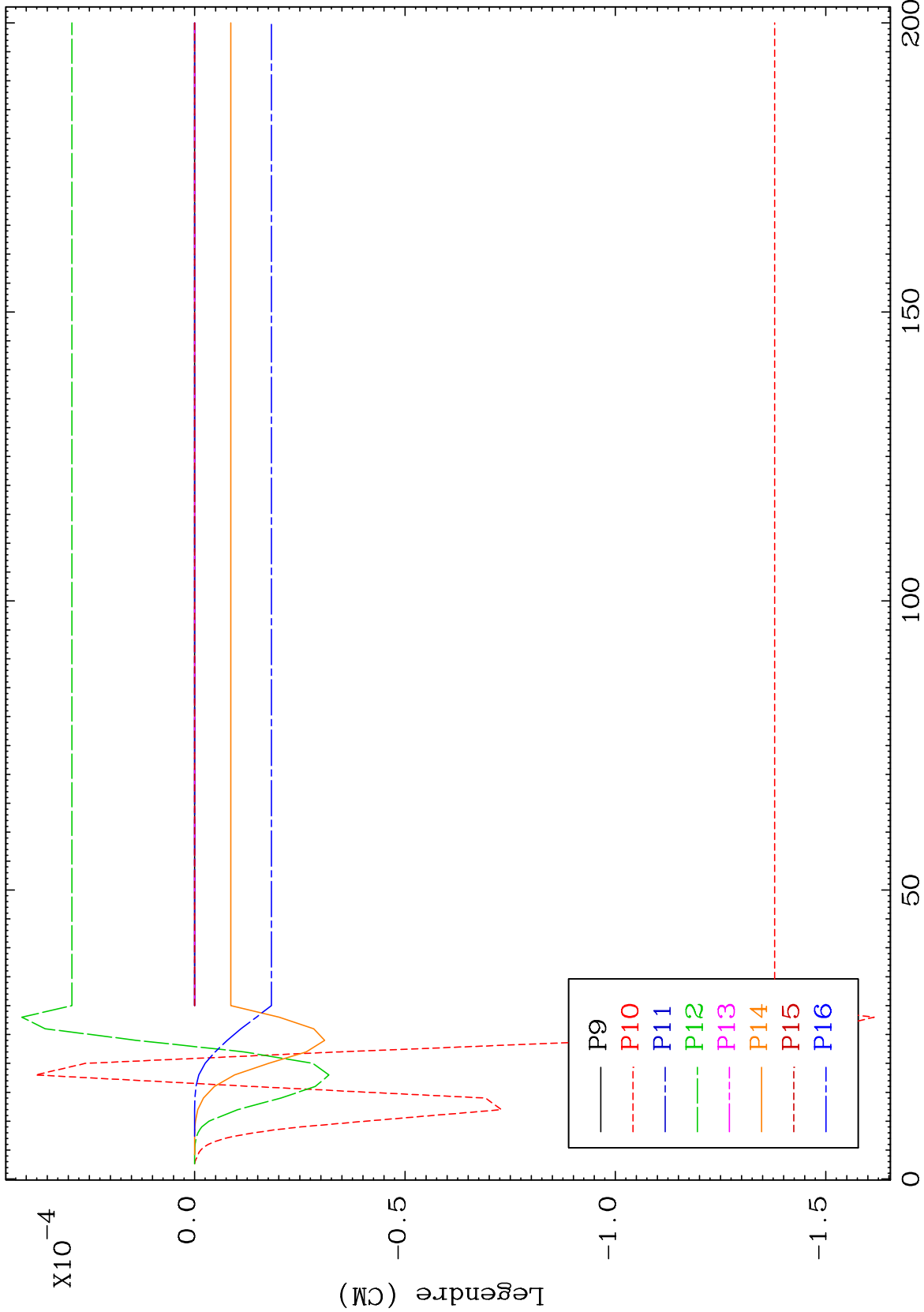
59-Pr-138



59-Pr-138

Incident Energy (MeV)

94

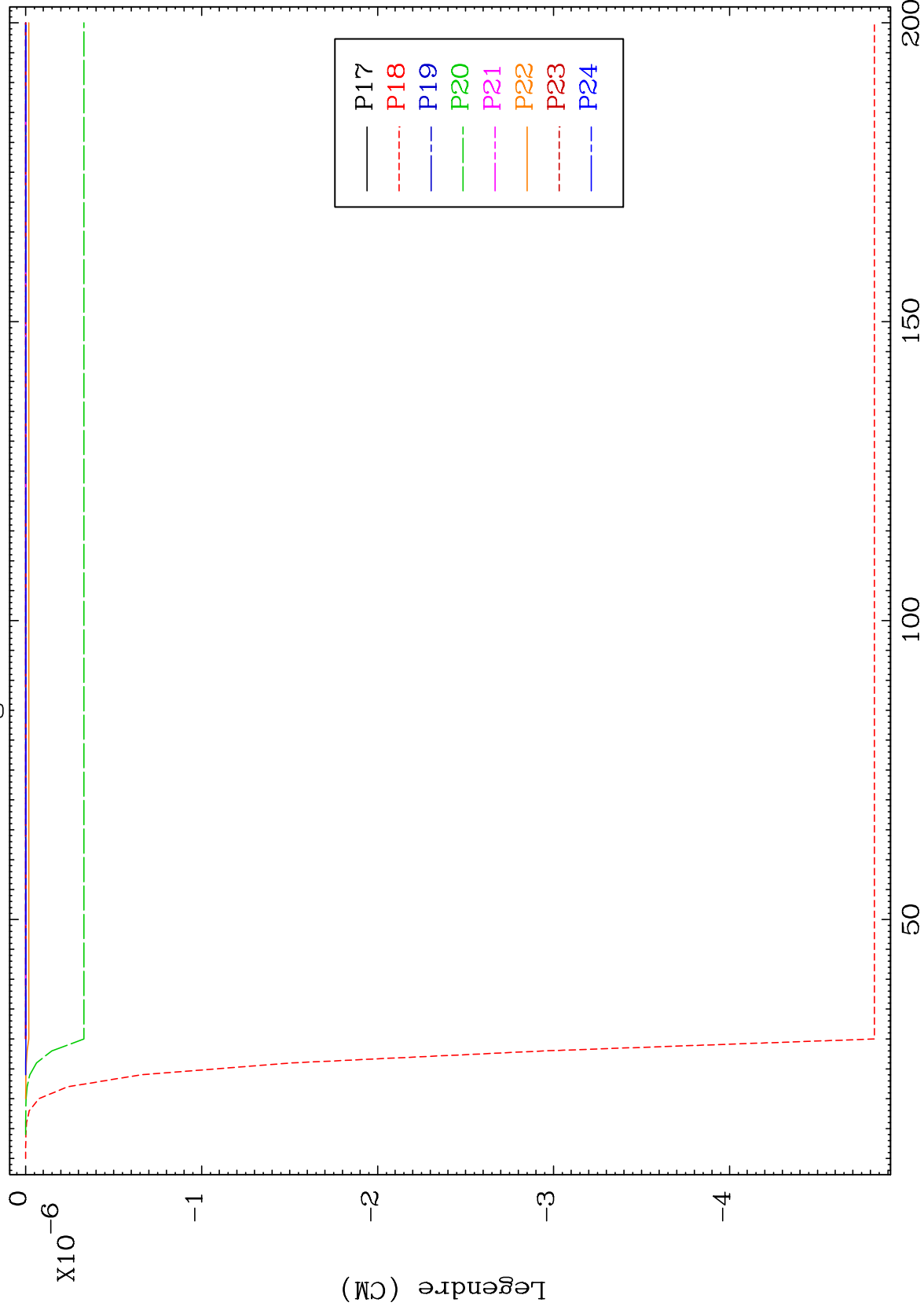




MAT 5916

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

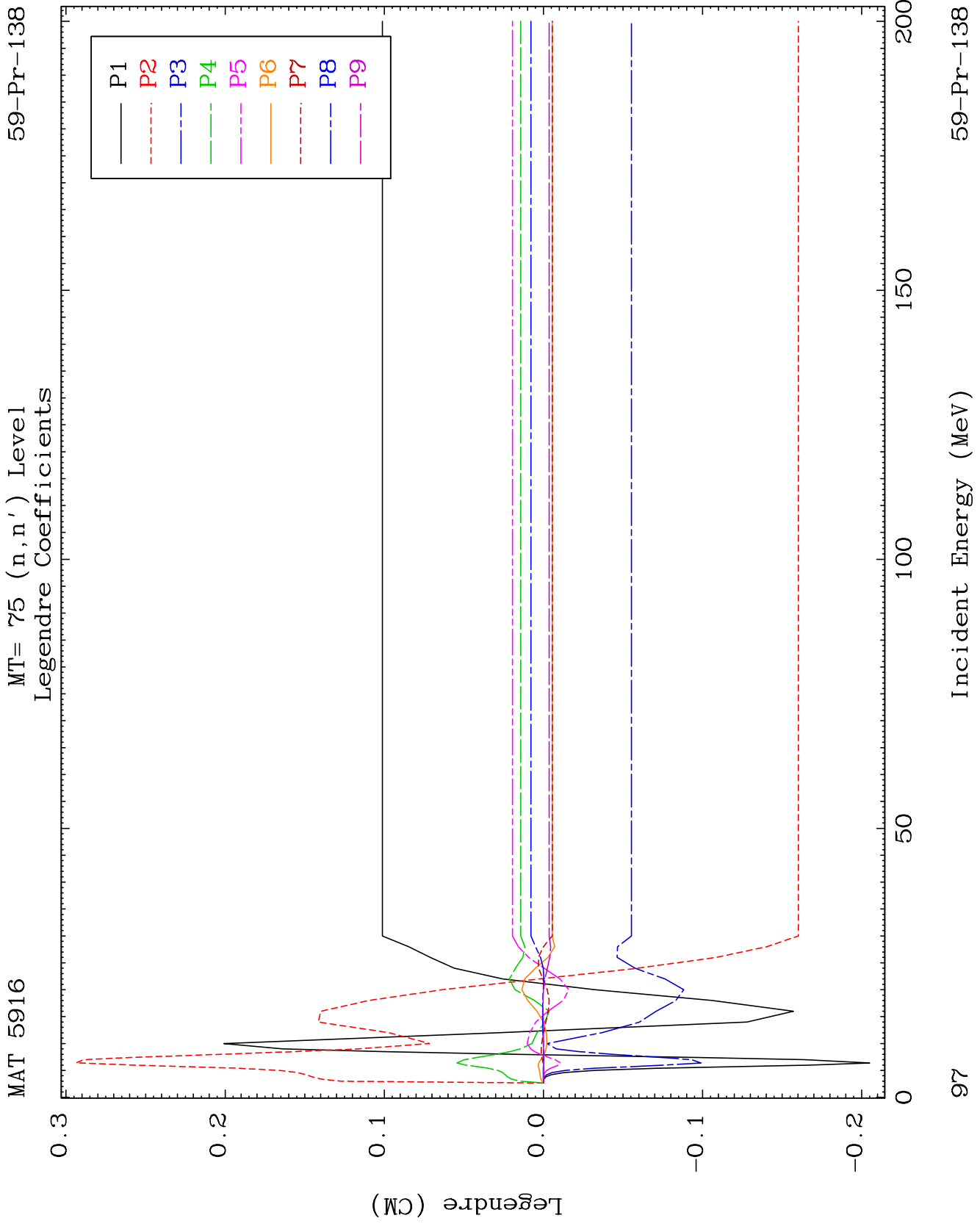
59-Pr-138



96

Incident Energy (MeV)

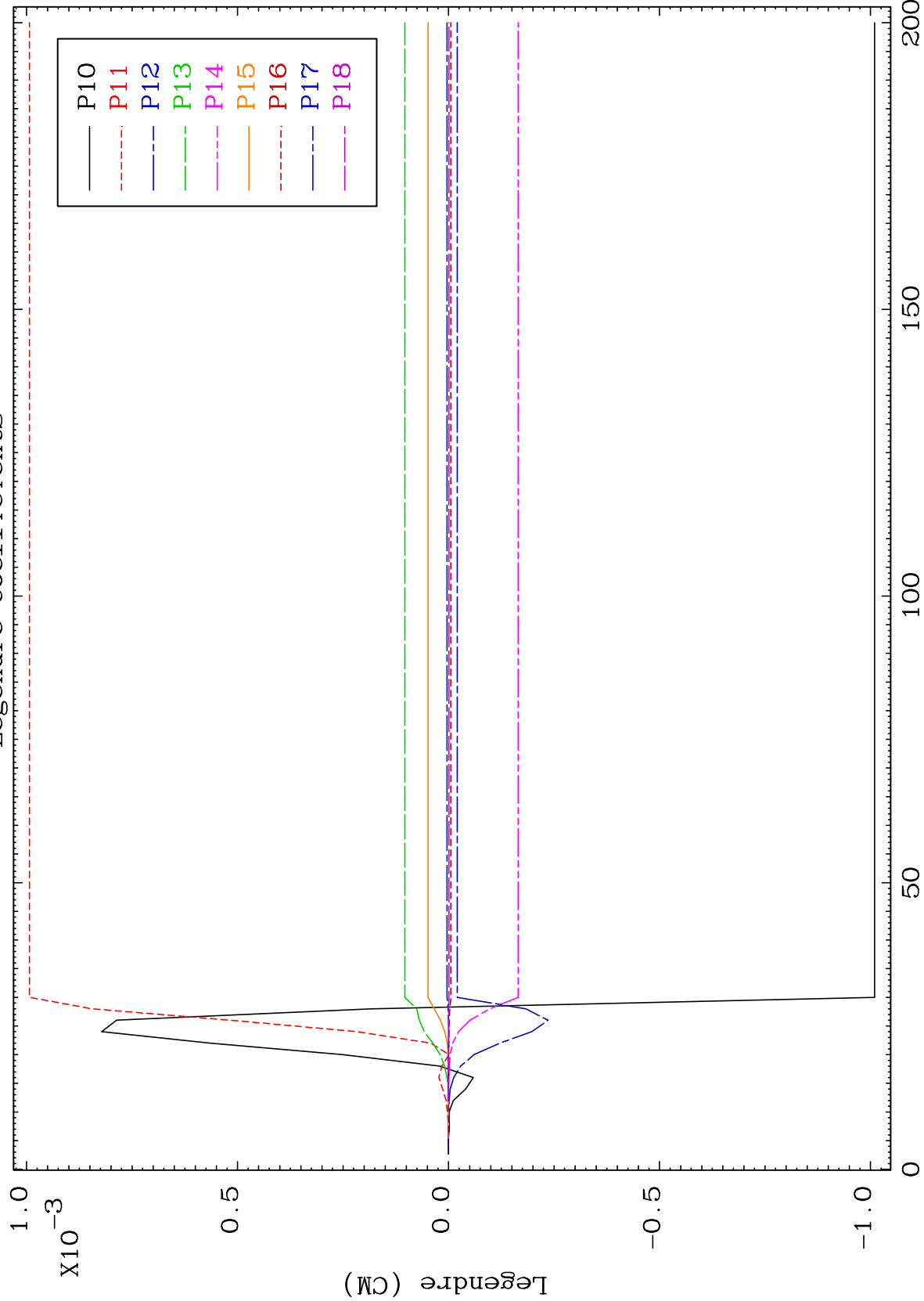
59-Pr-138



MAT 5916

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

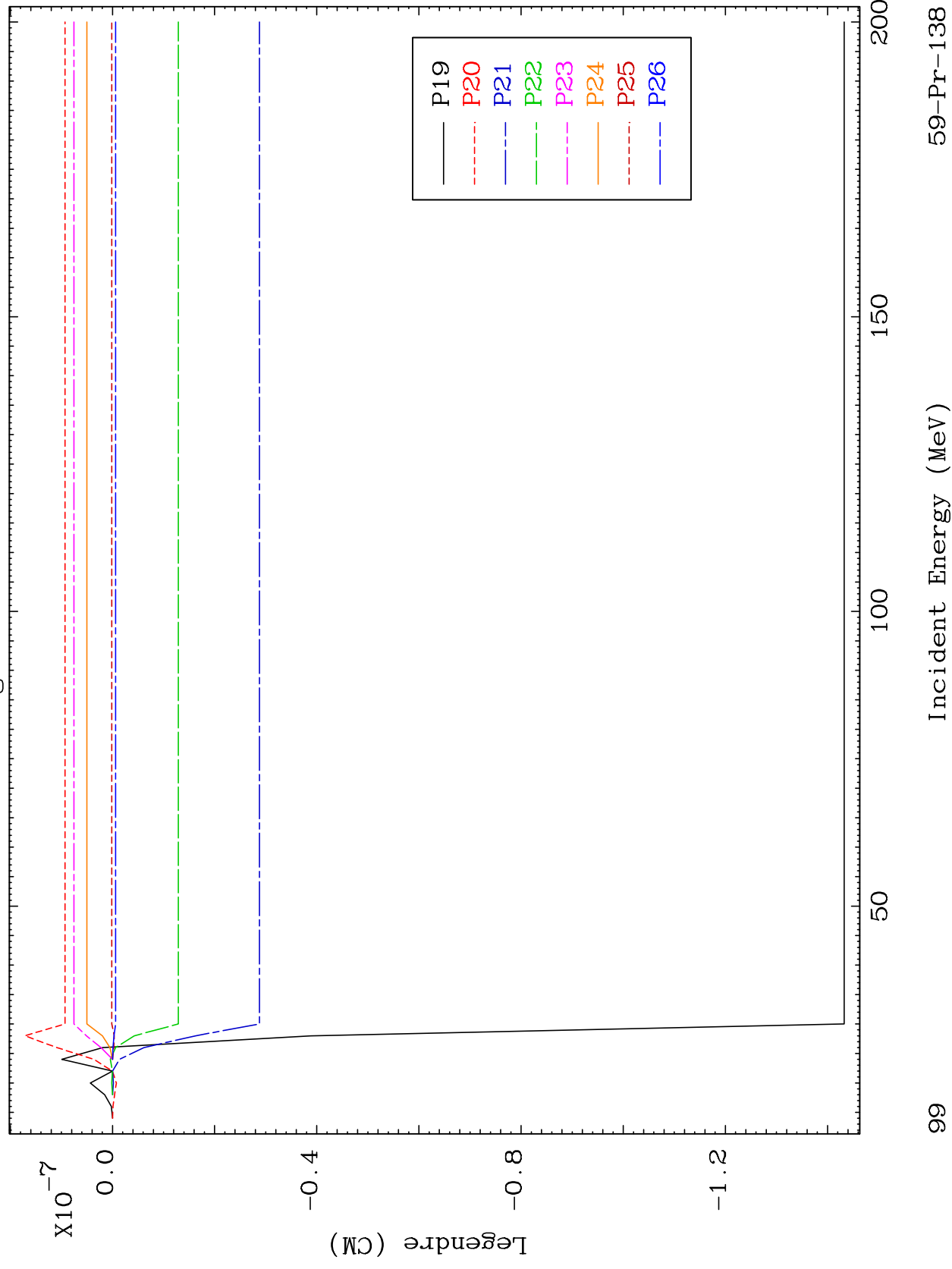
59-Pr-138



98

Incident Energy (MeV)

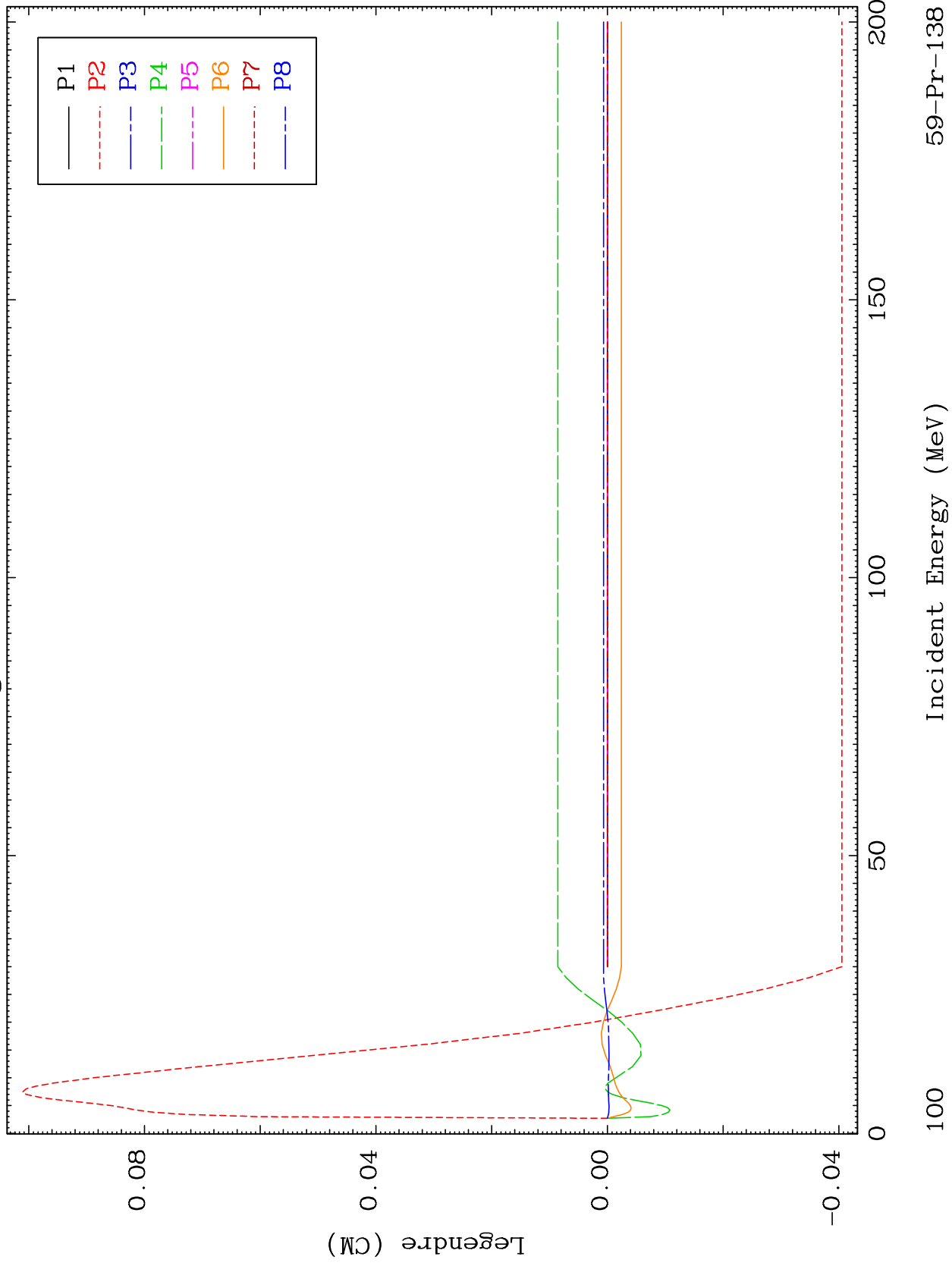
59-Pr-138



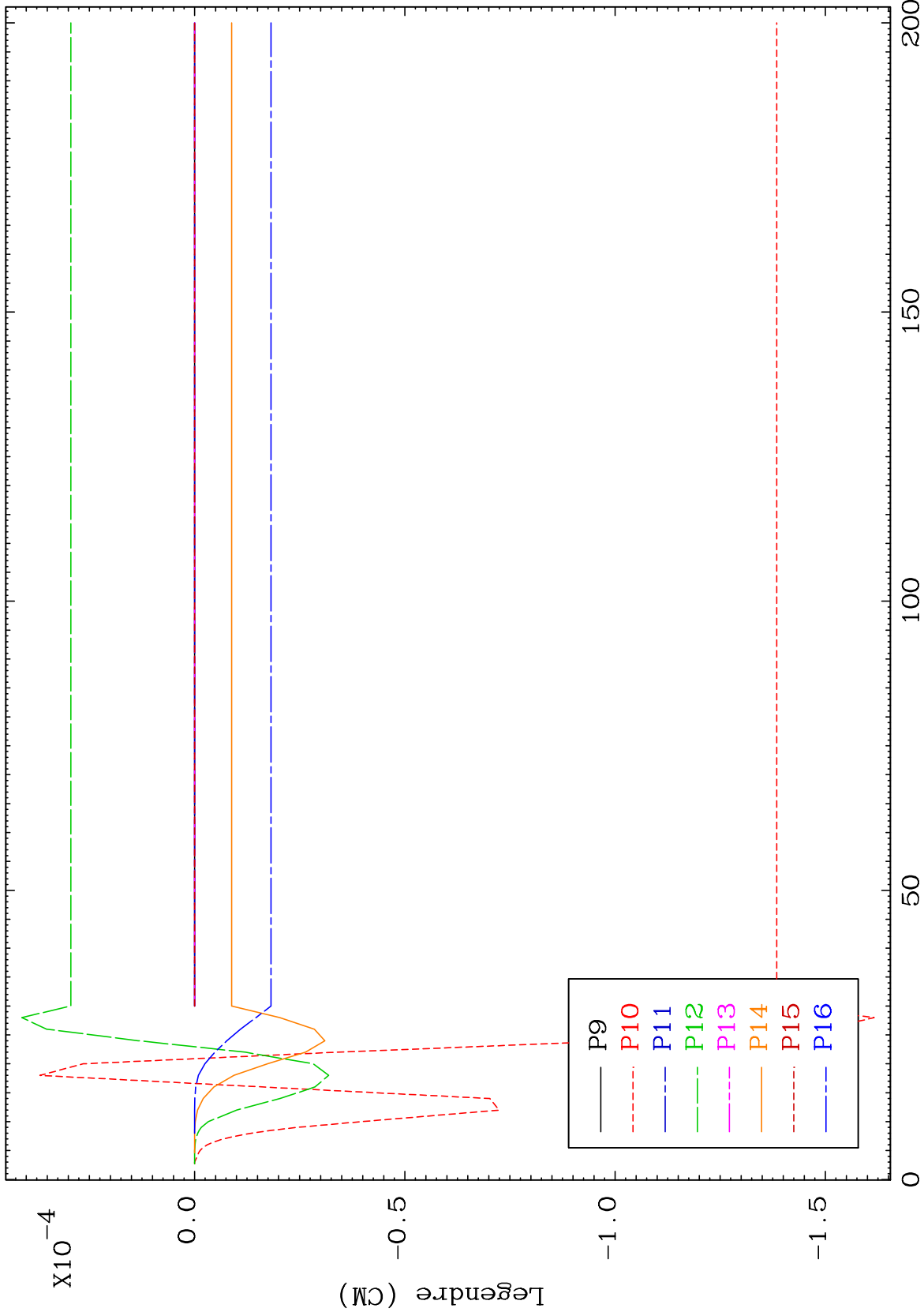
MAT 5916

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

59-Pr-138



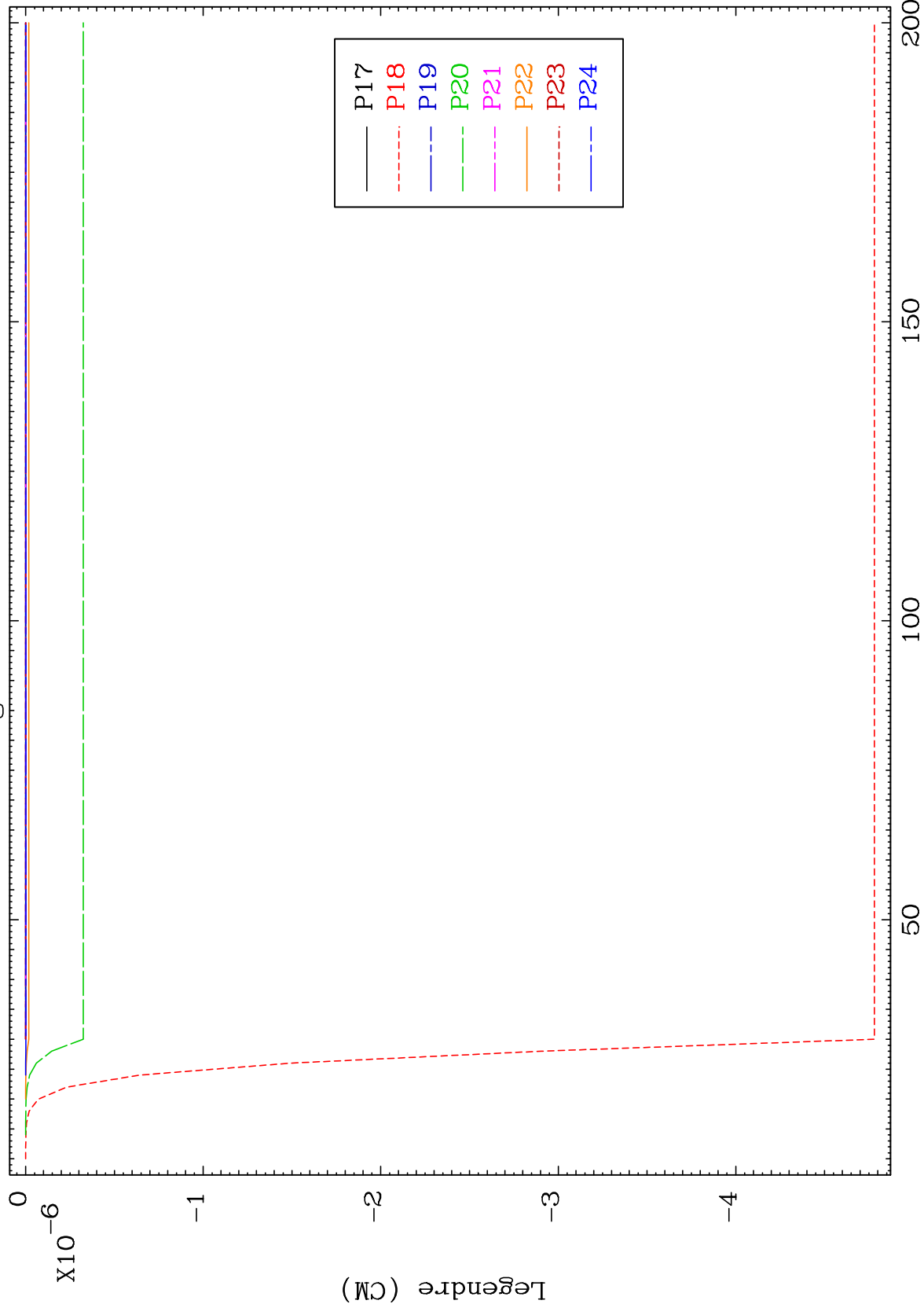
59-Pr-138



MAT 5916

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

59-Pr-138



102

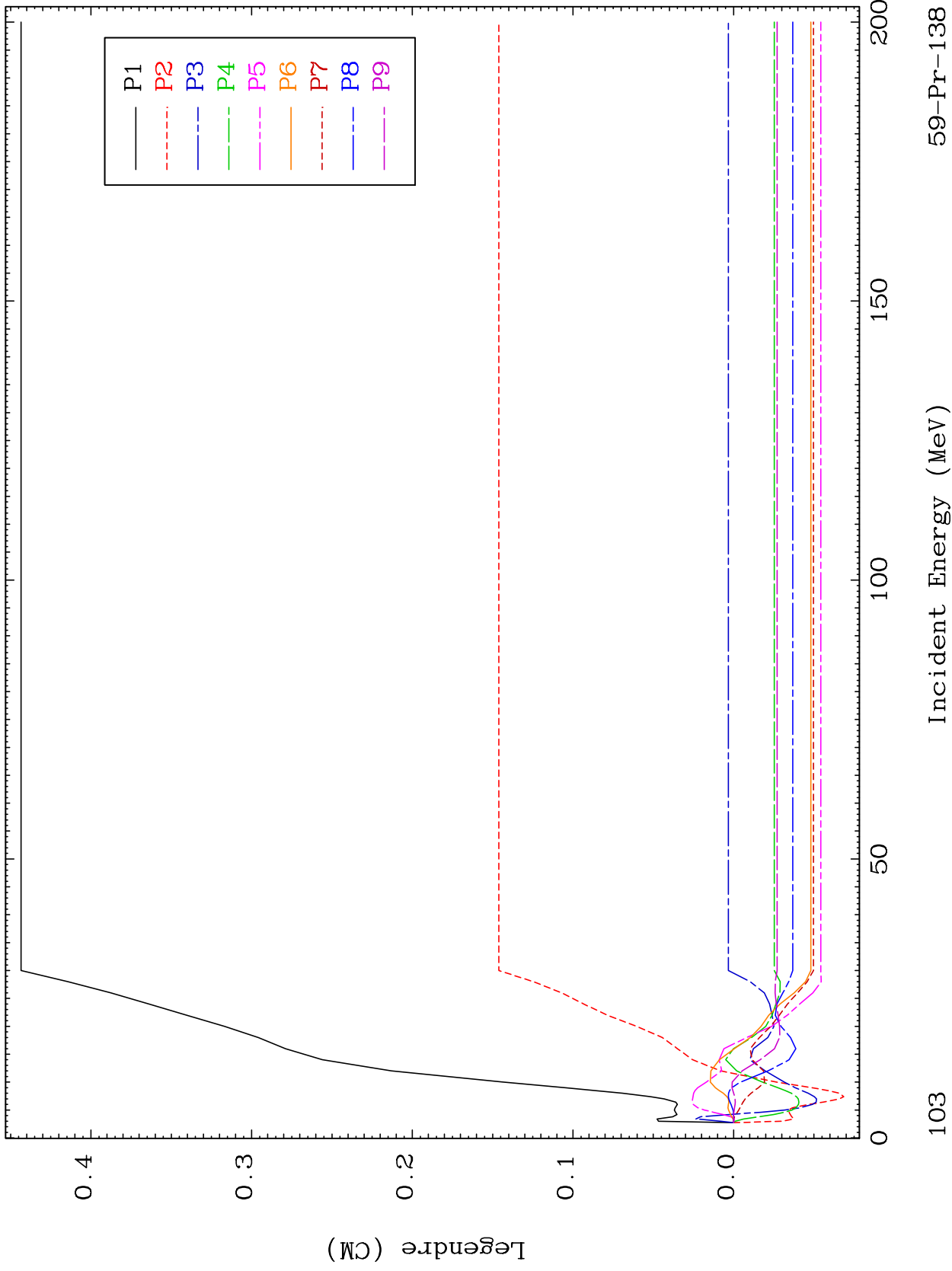
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



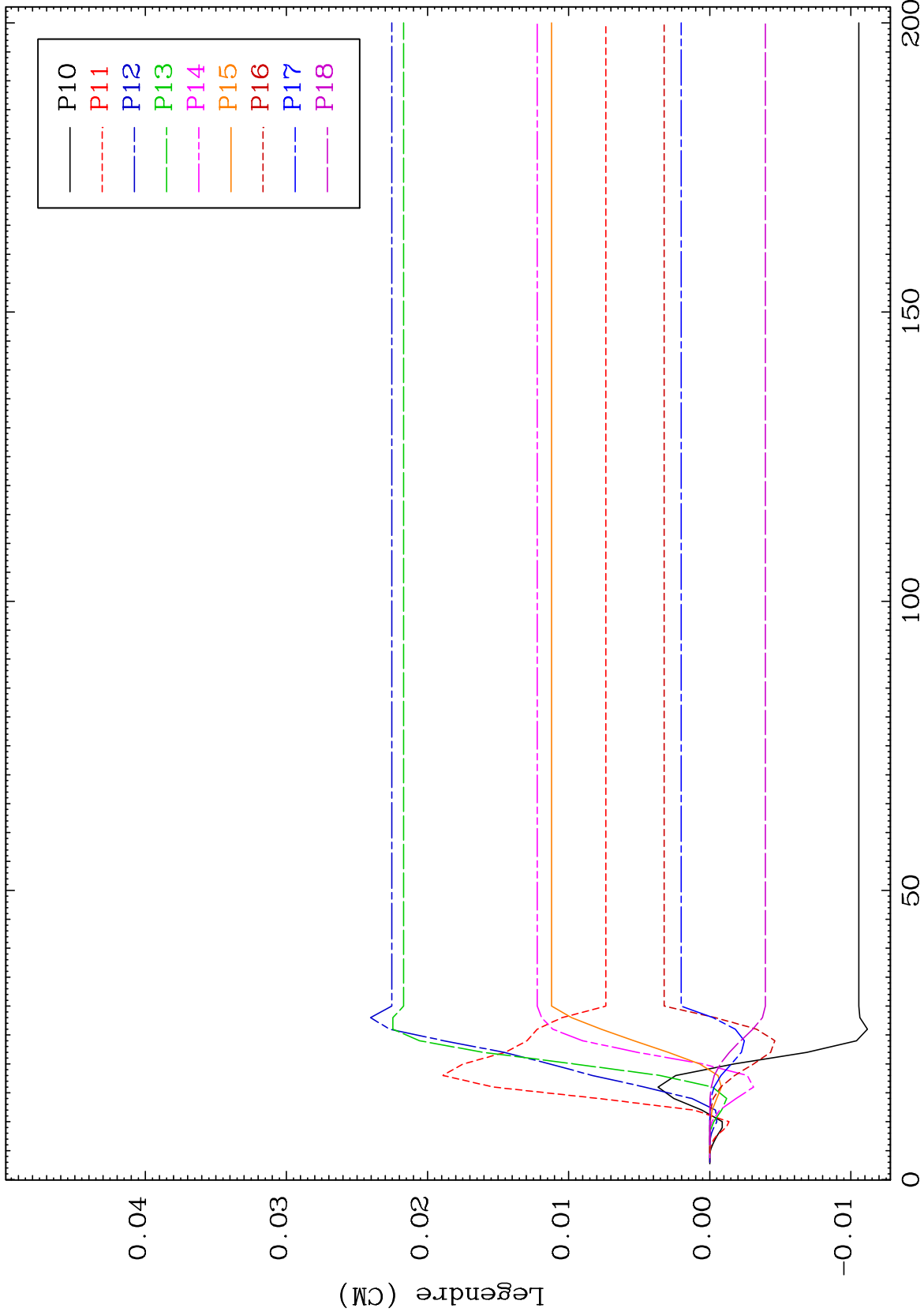
59-Pr-138



MAT 5916

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

59-Pr-138



104

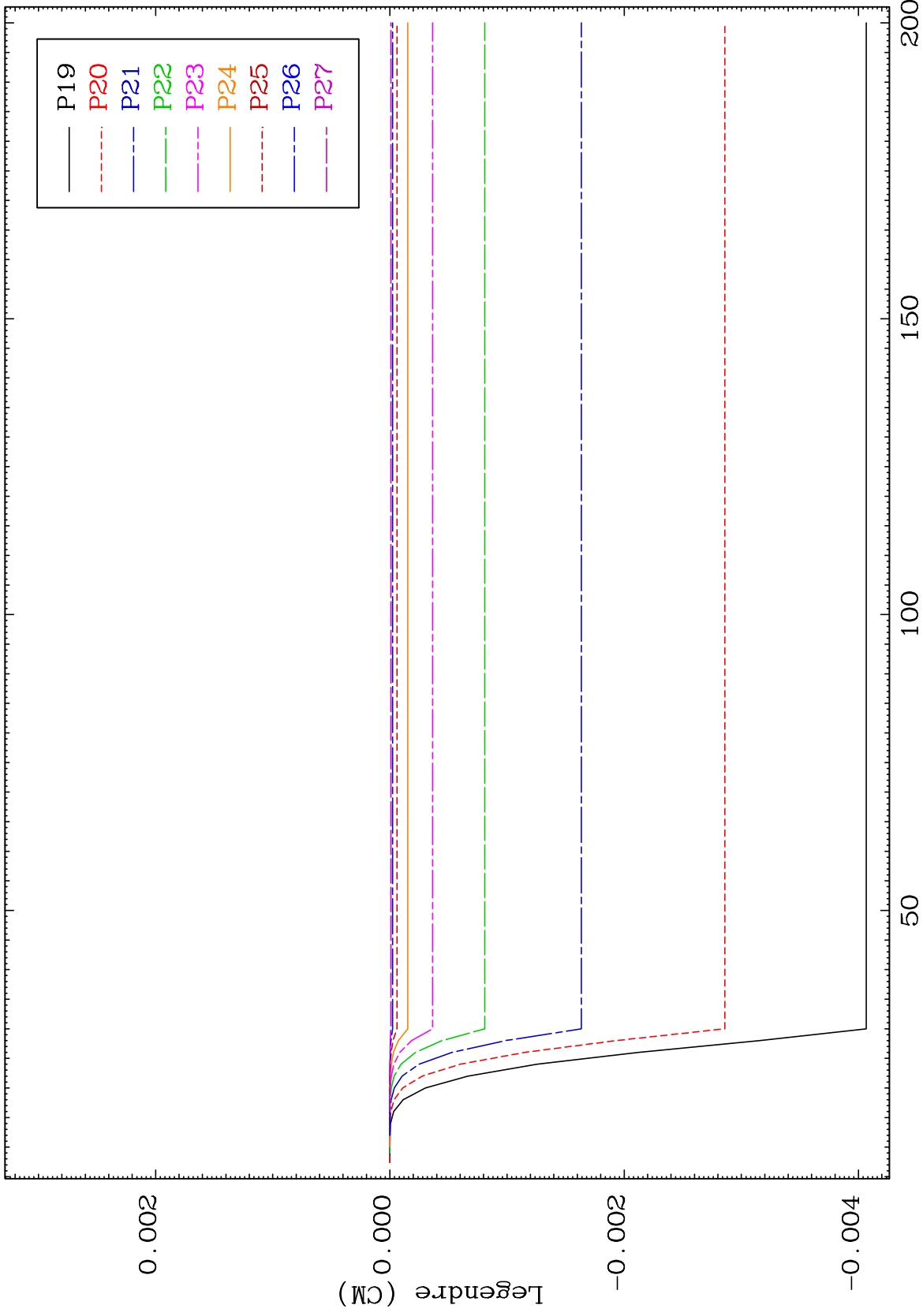
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



105

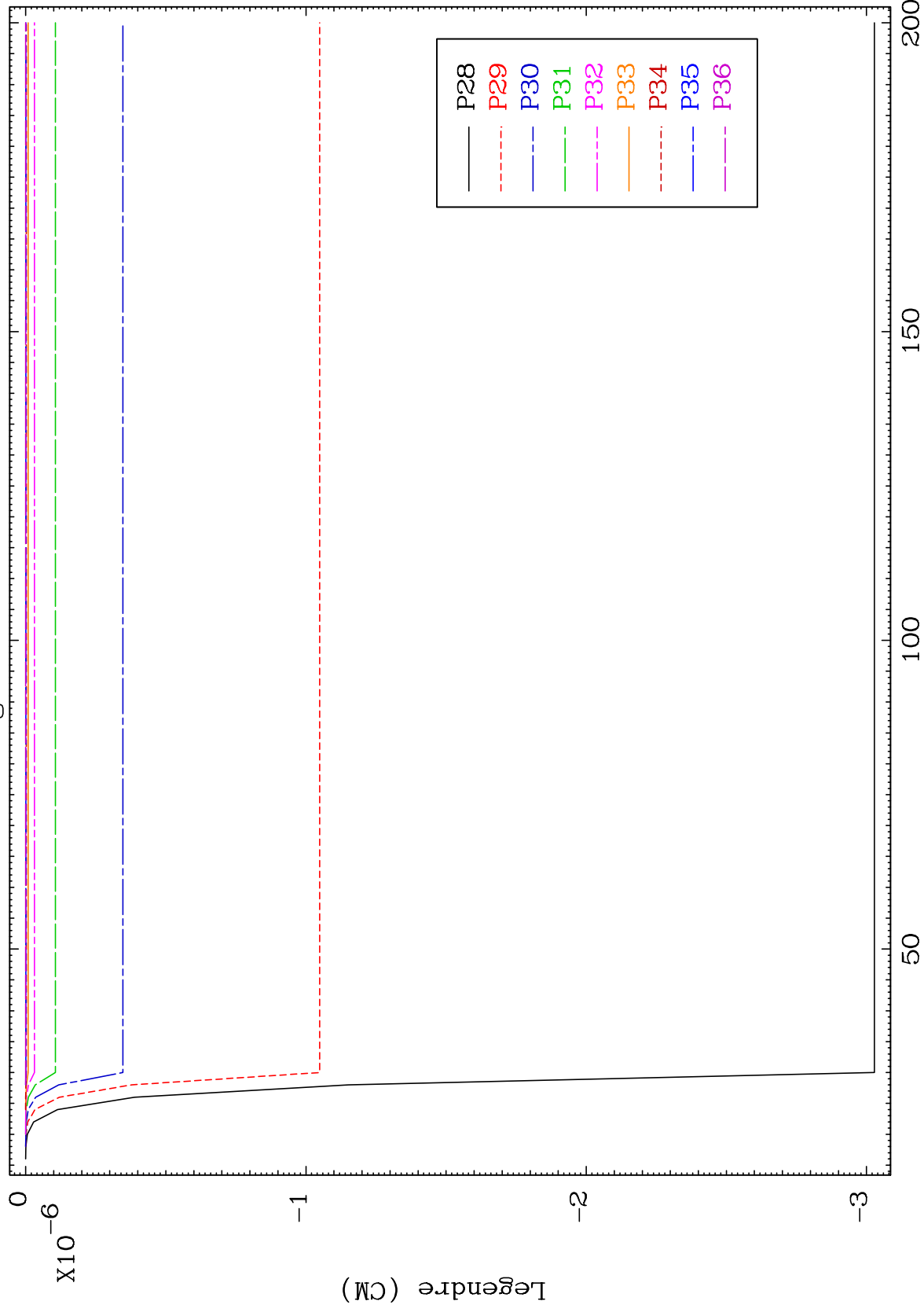
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



106

Incident Energy (MeV)

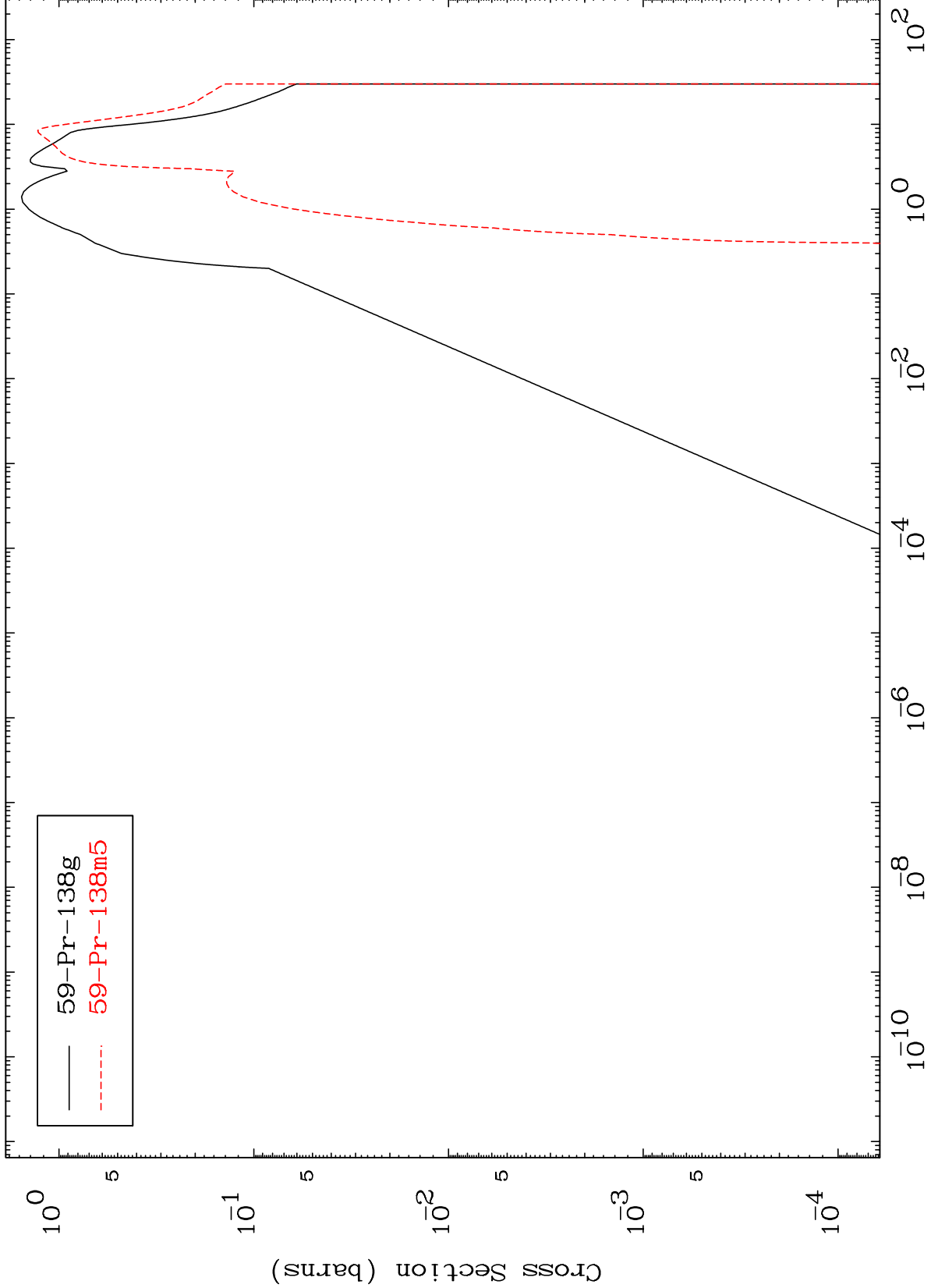
59-Pr-138

MAT 5916

Inelastic

59-Pr-138

Radionuclide Production Cross Section



59-Pr-138g  
59-Pr-138m5

107

Incident Energy (MeV)

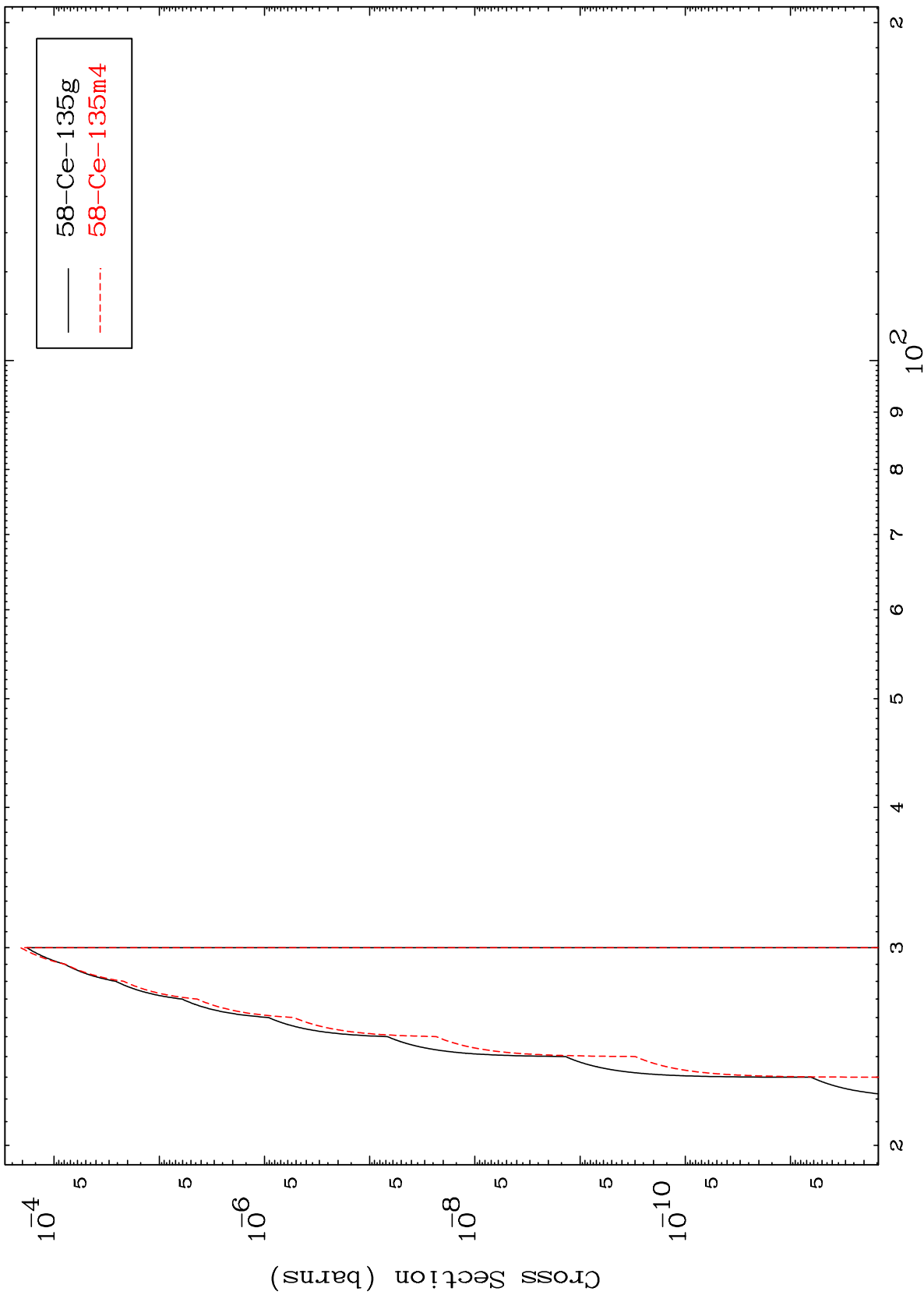
59-Pr-138

MAT 5916

(n,2n) d

59-Pr-138

Radionuclide Production Cross Section

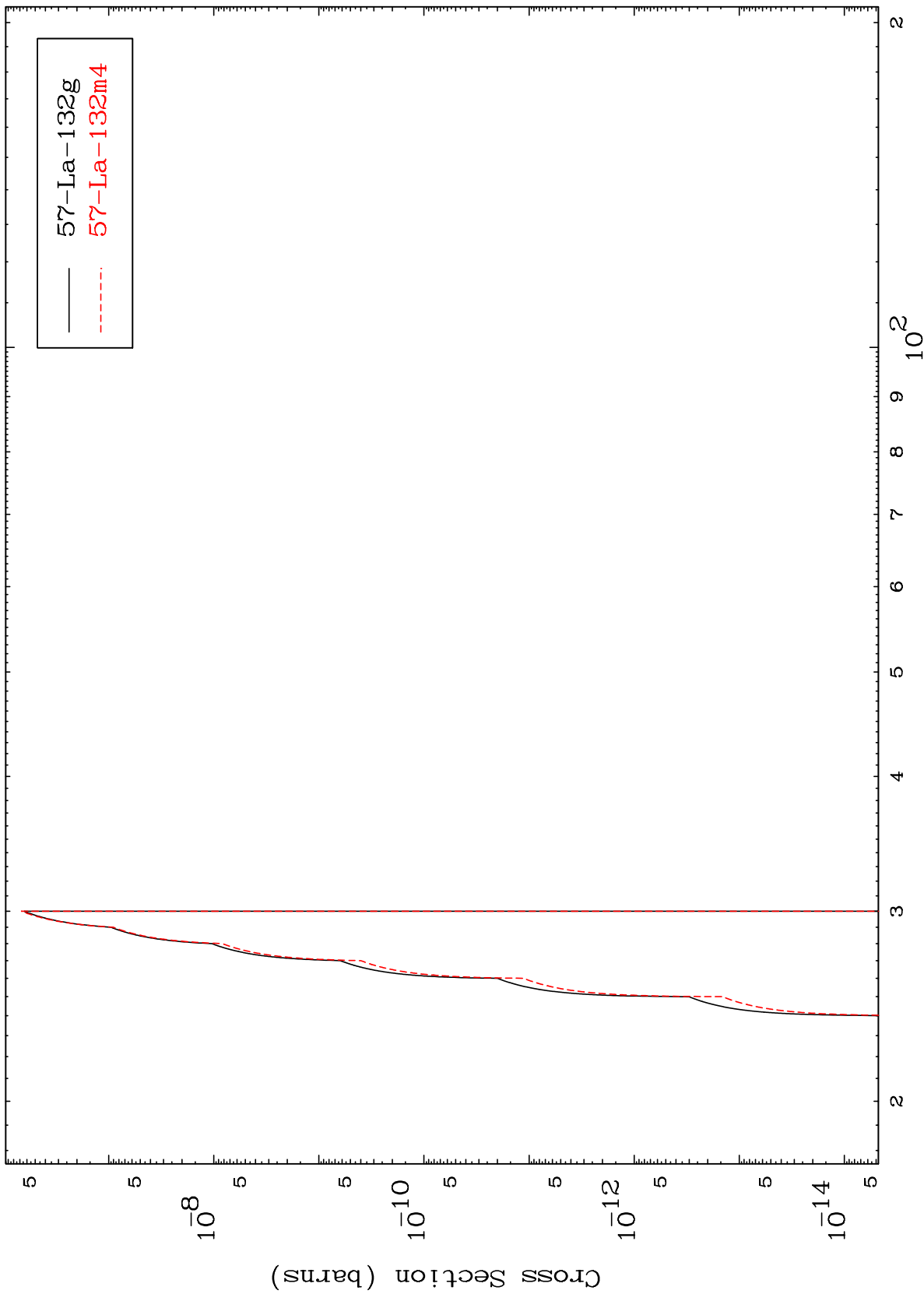


108

Incident Energy (MeV)

59-Pr-138

Radionuclide Production Cross Section

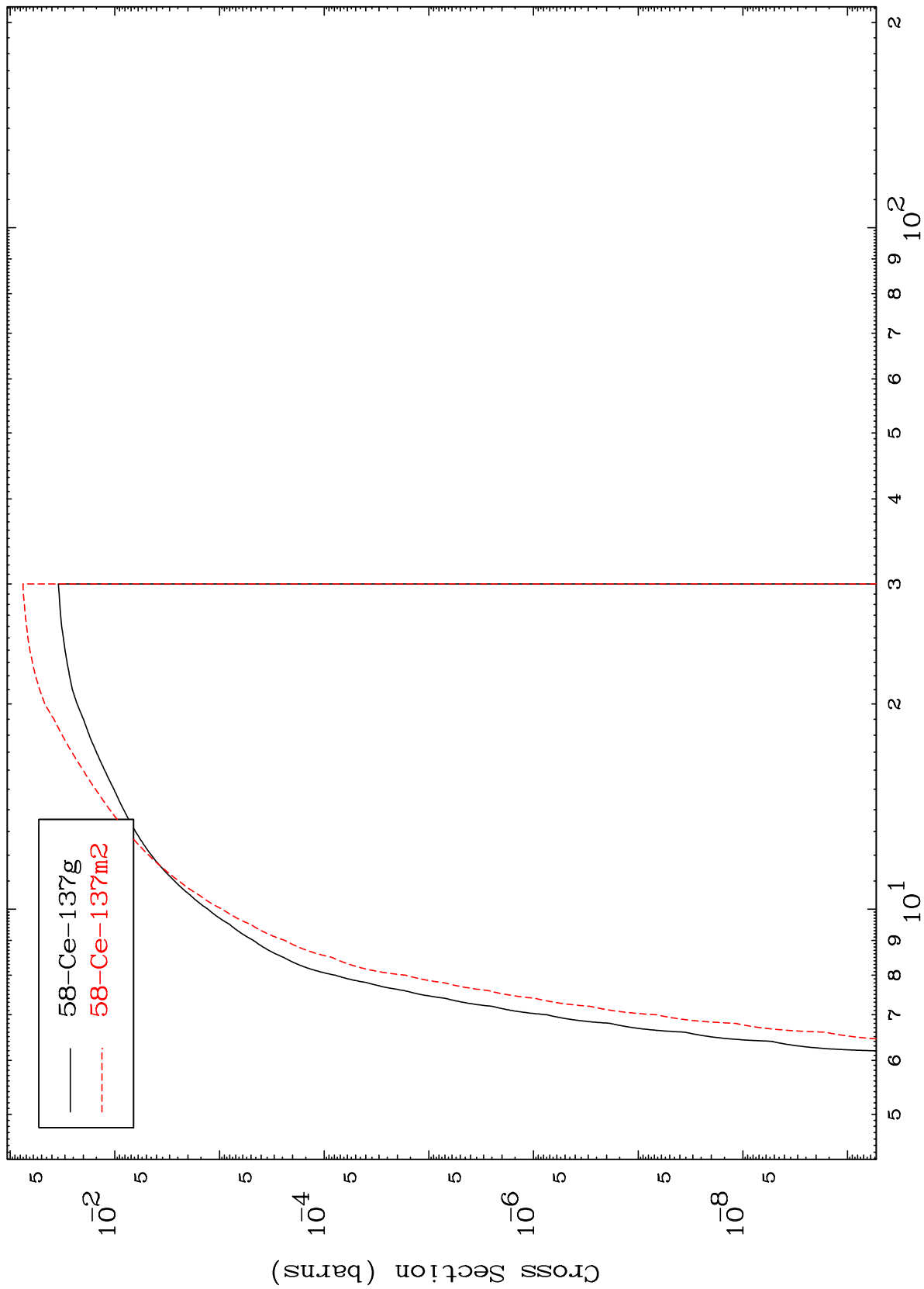


MAT 5916

(n,n') p

59-Pr-138

Radionuclide Production Cross Section



110

Incident Energy (MeV)

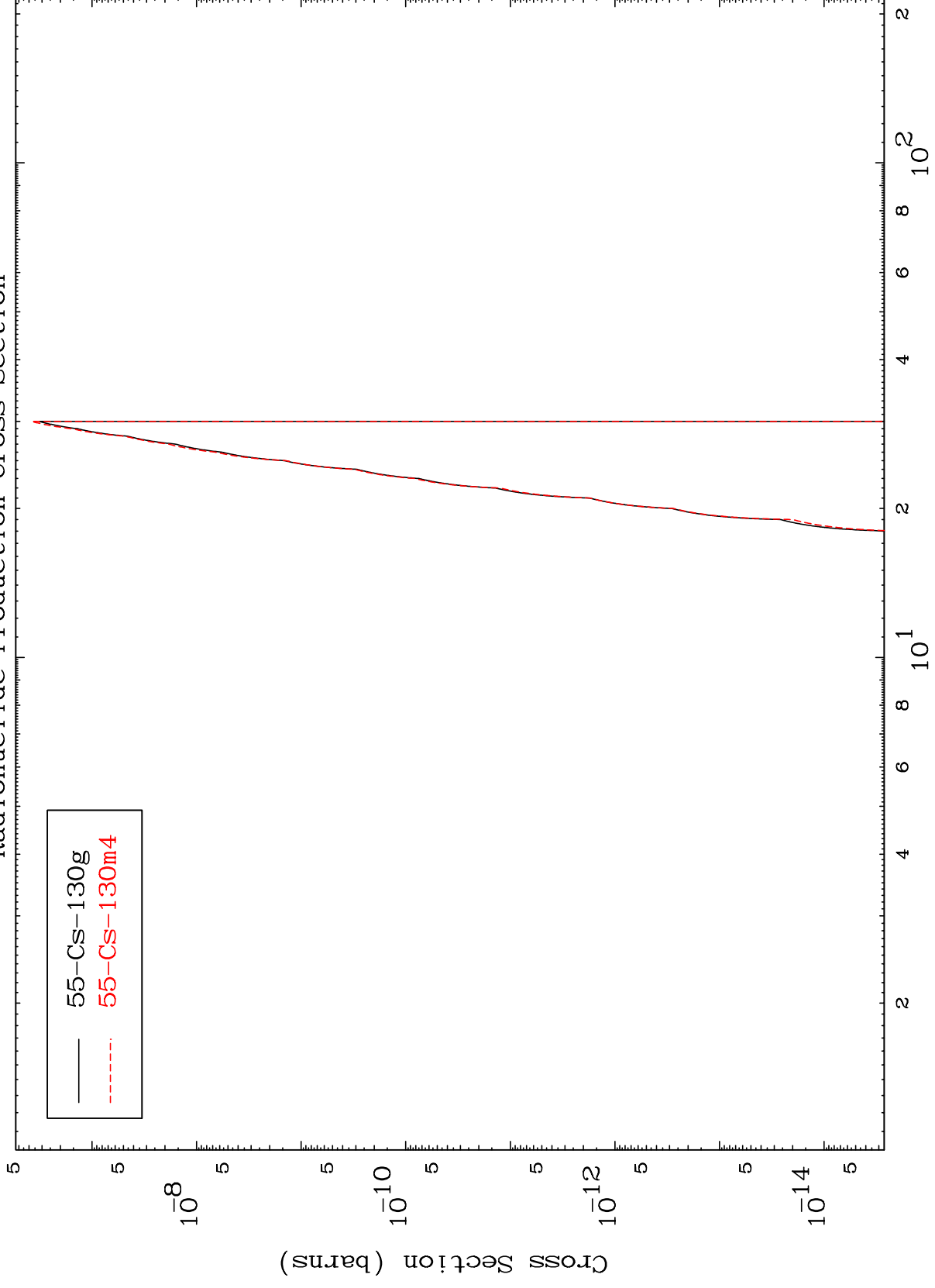
59-Pr-138

MAT 5916

(n,n') 2α

59-Pr-138

Radionuclide Production Cross Section



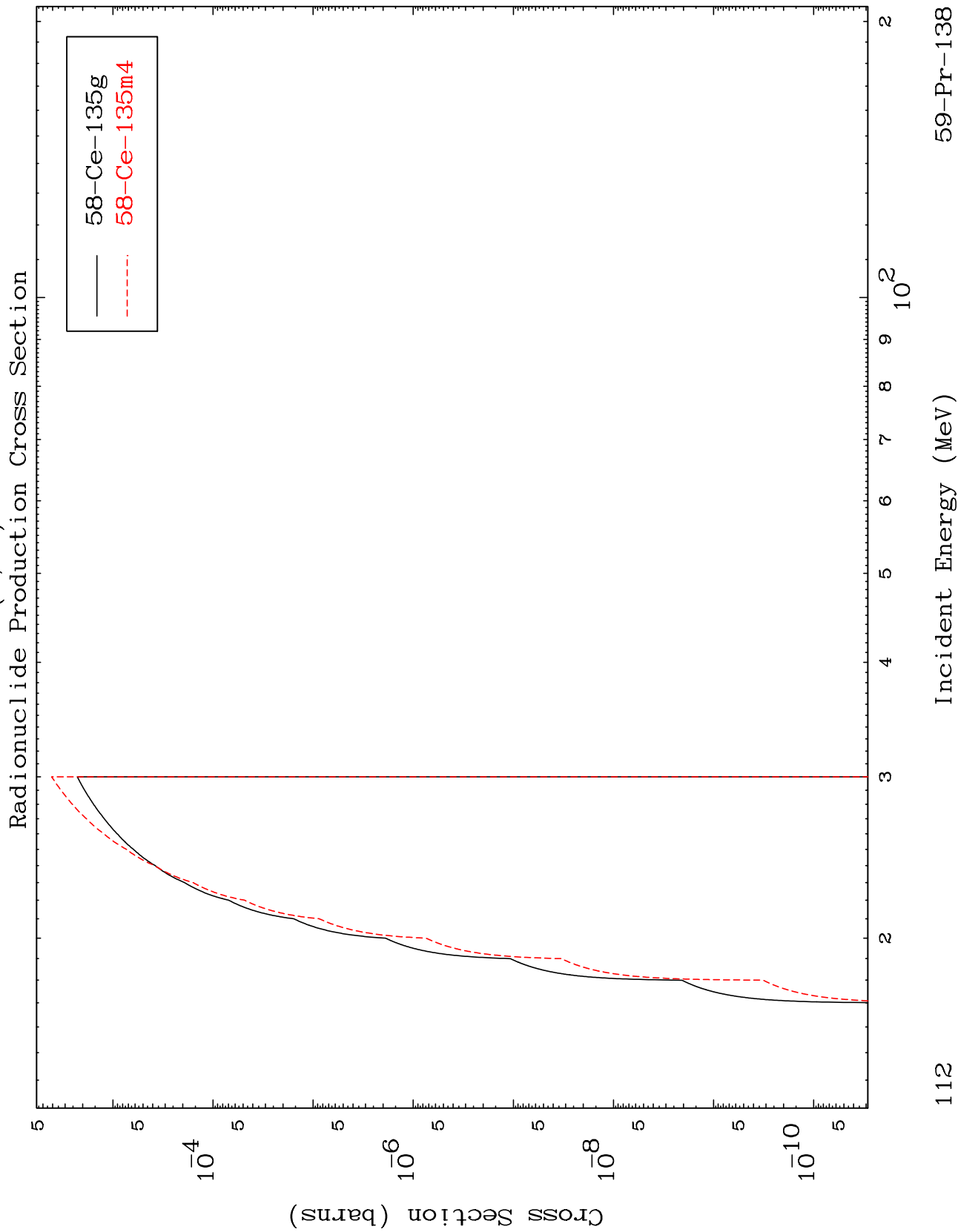
55-Cs-130g  
55-Cs-130m4

111

Incident Energy (MeV)

59-Pr-138



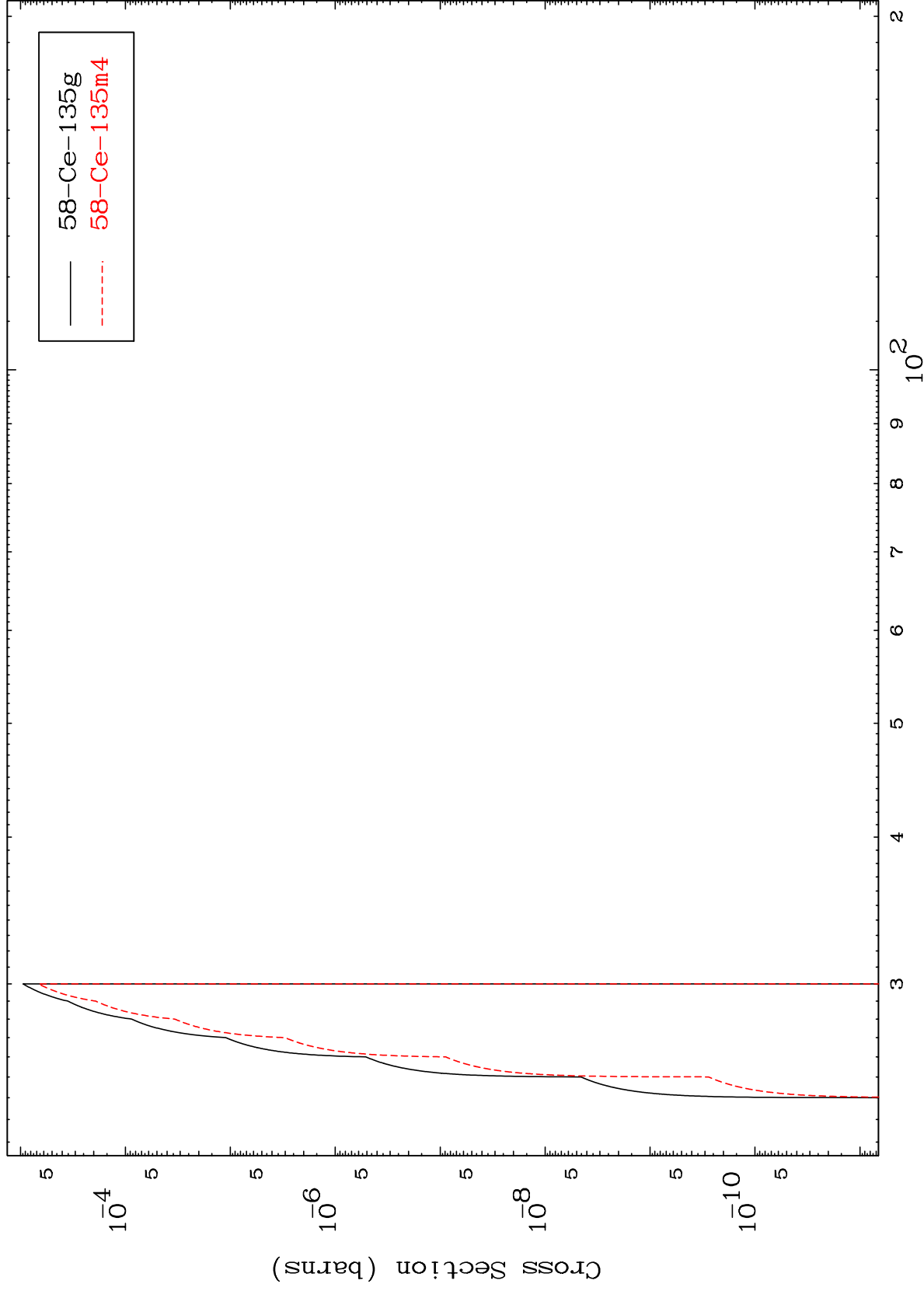


MAT 5916

(n,3n) p

59-Pr-138

Radionuclide Production Cross Section



113

Incident Energy (MeV)

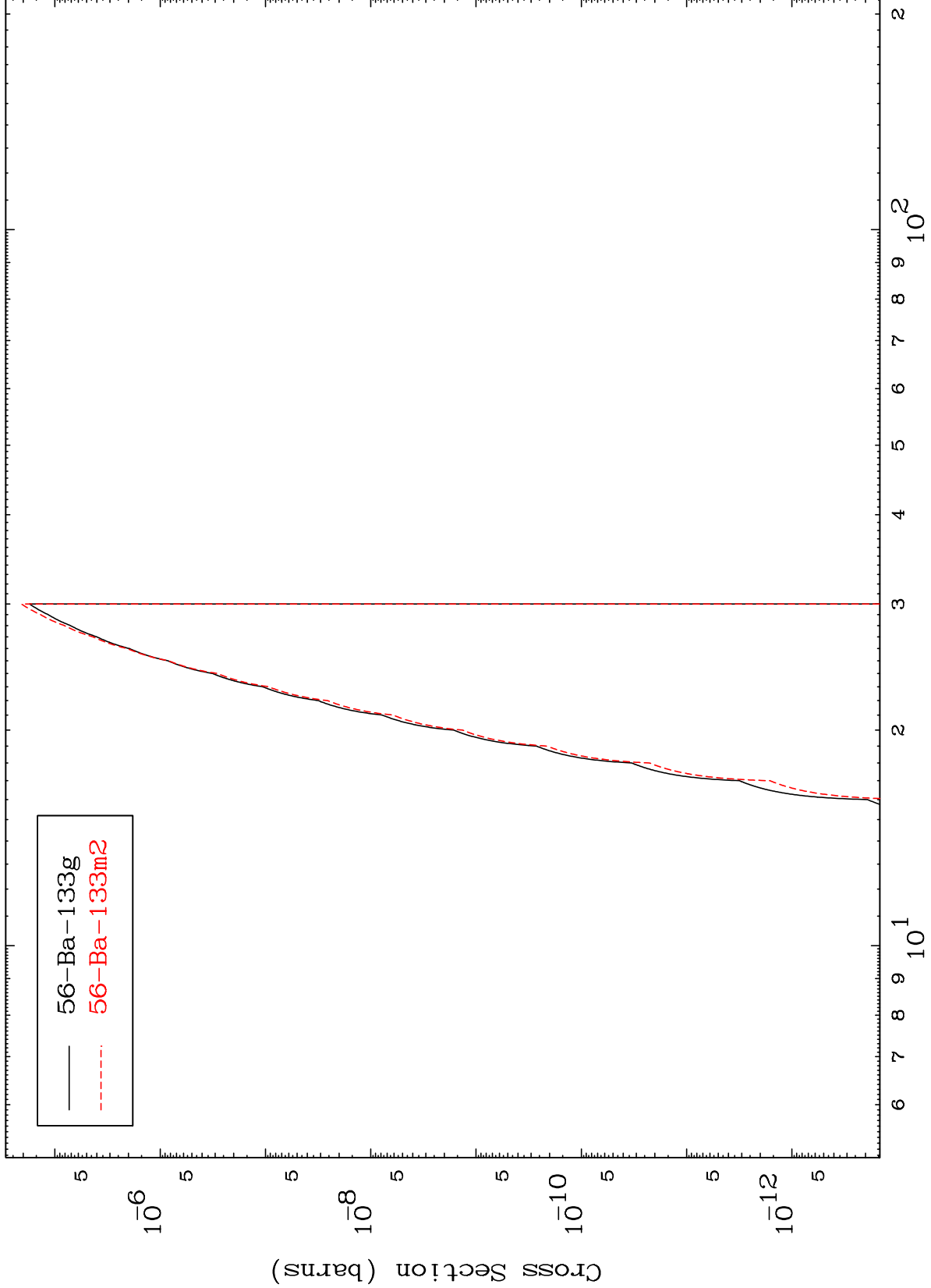
59-Pr-138

MAT 5916

(n,n') p  $\alpha$

59-Pr-138

Radionuclide Production Cross Section



114

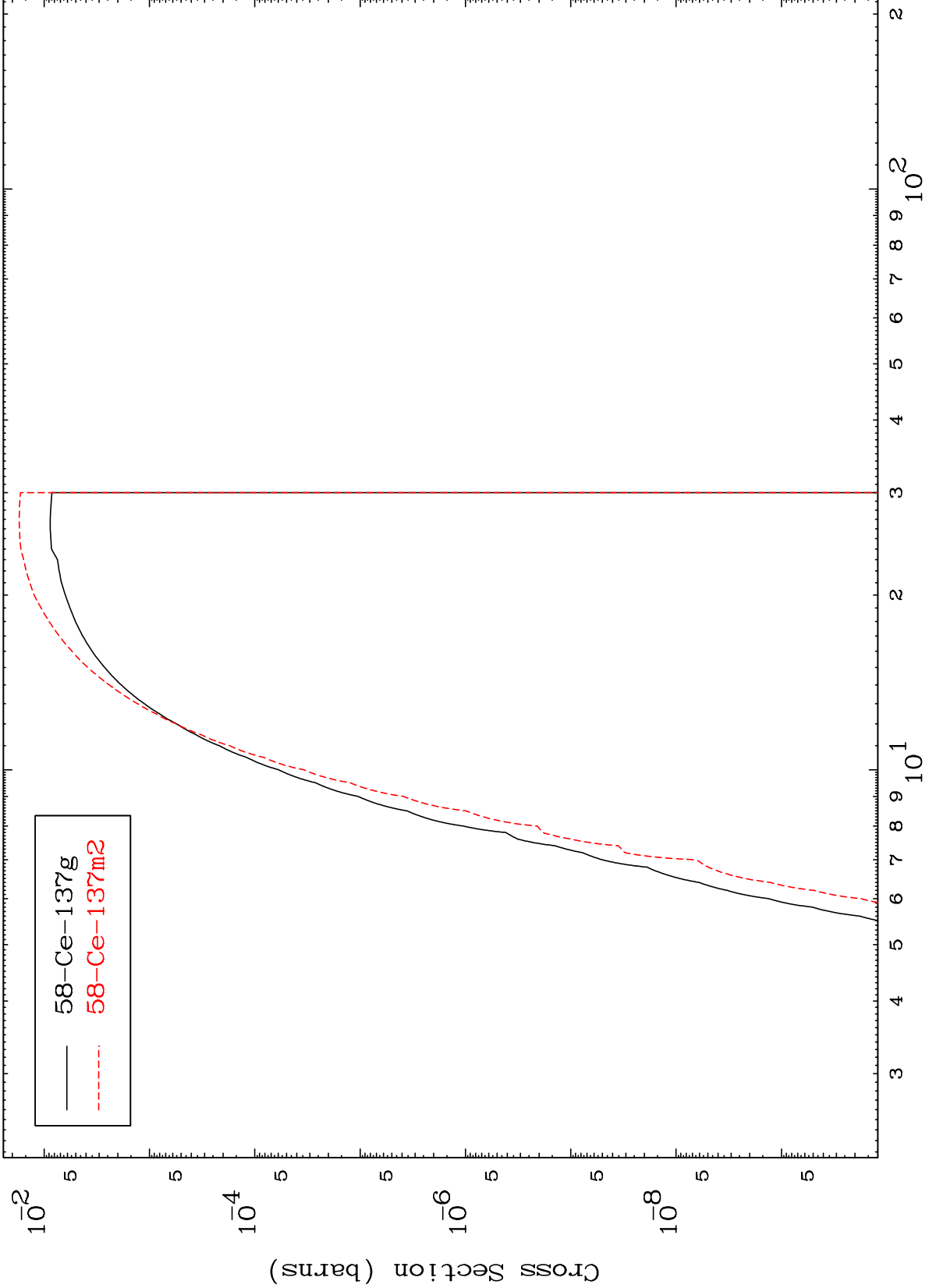
Incident Energy (MeV)

59-Pr-138

MAT 5916

59-Pr-138

(n,d)  
Radionuclide Production Cross Section



115

Incident Energy (MeV)

59-Pr-138

Radionuclide Production Cross Section

