

Program EVALPLOT
(Version 2018-1)

by

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(Present Contact Information)

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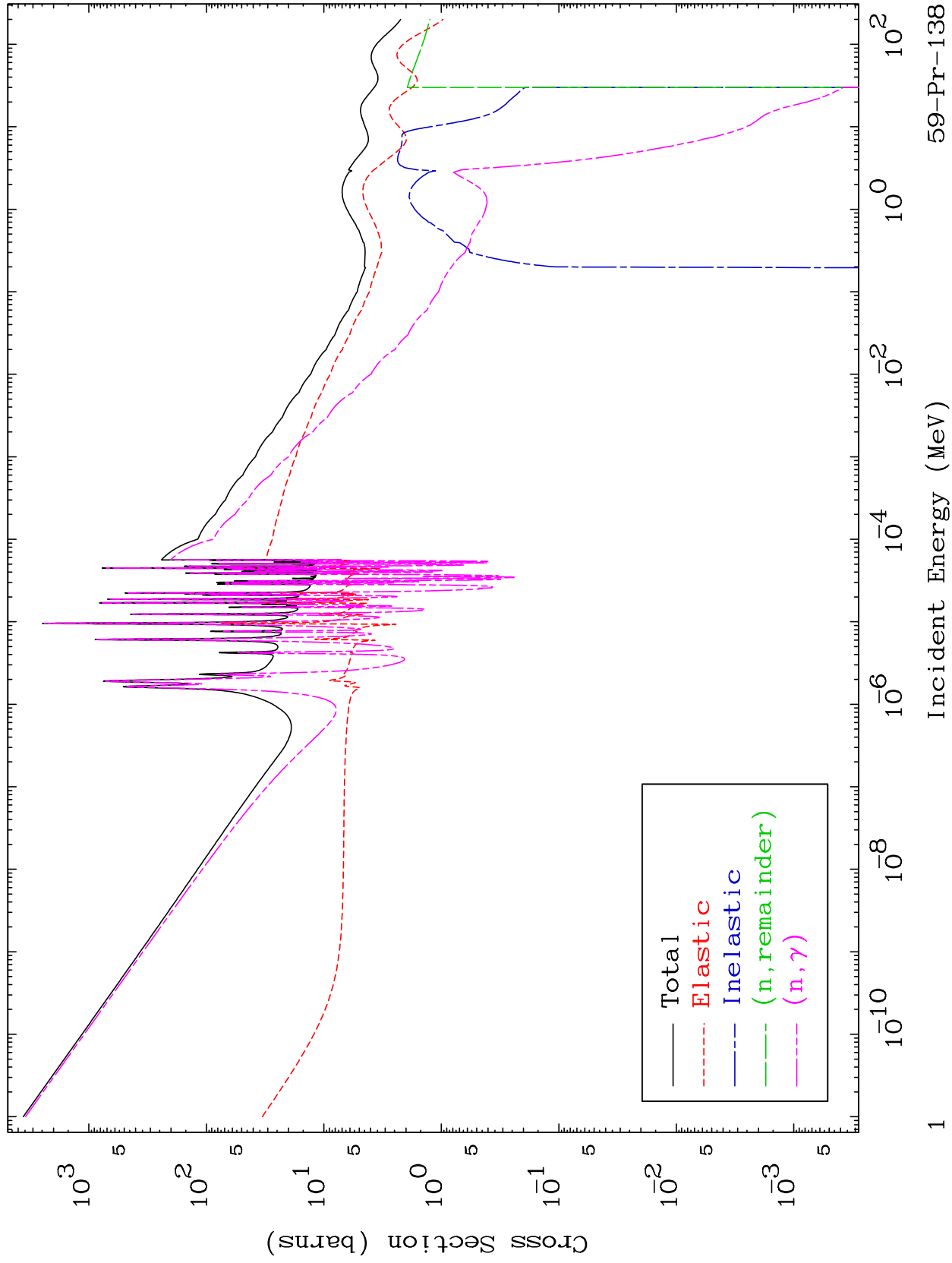
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Web:redcullen1.net/HOMEPAGE.NEW

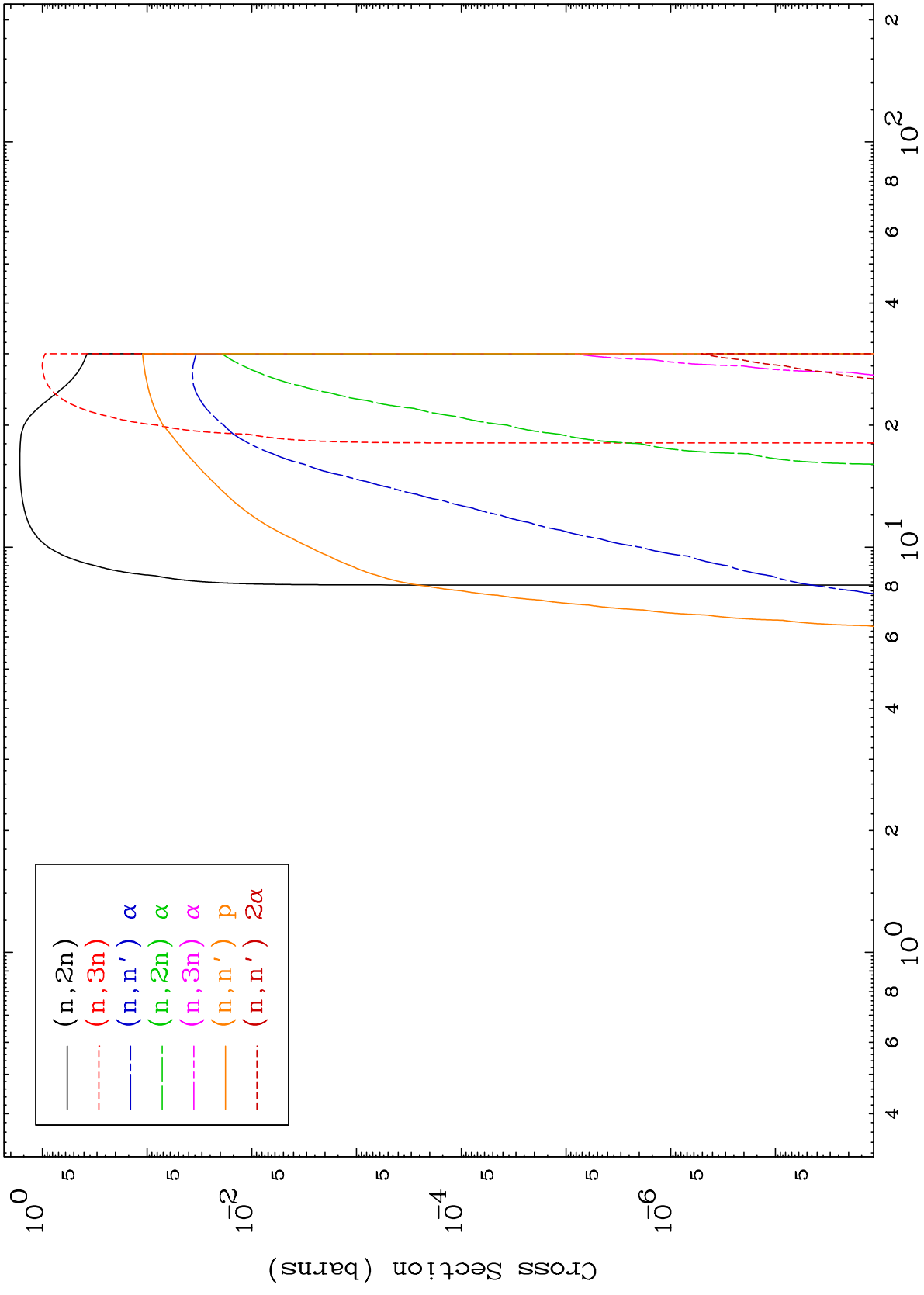
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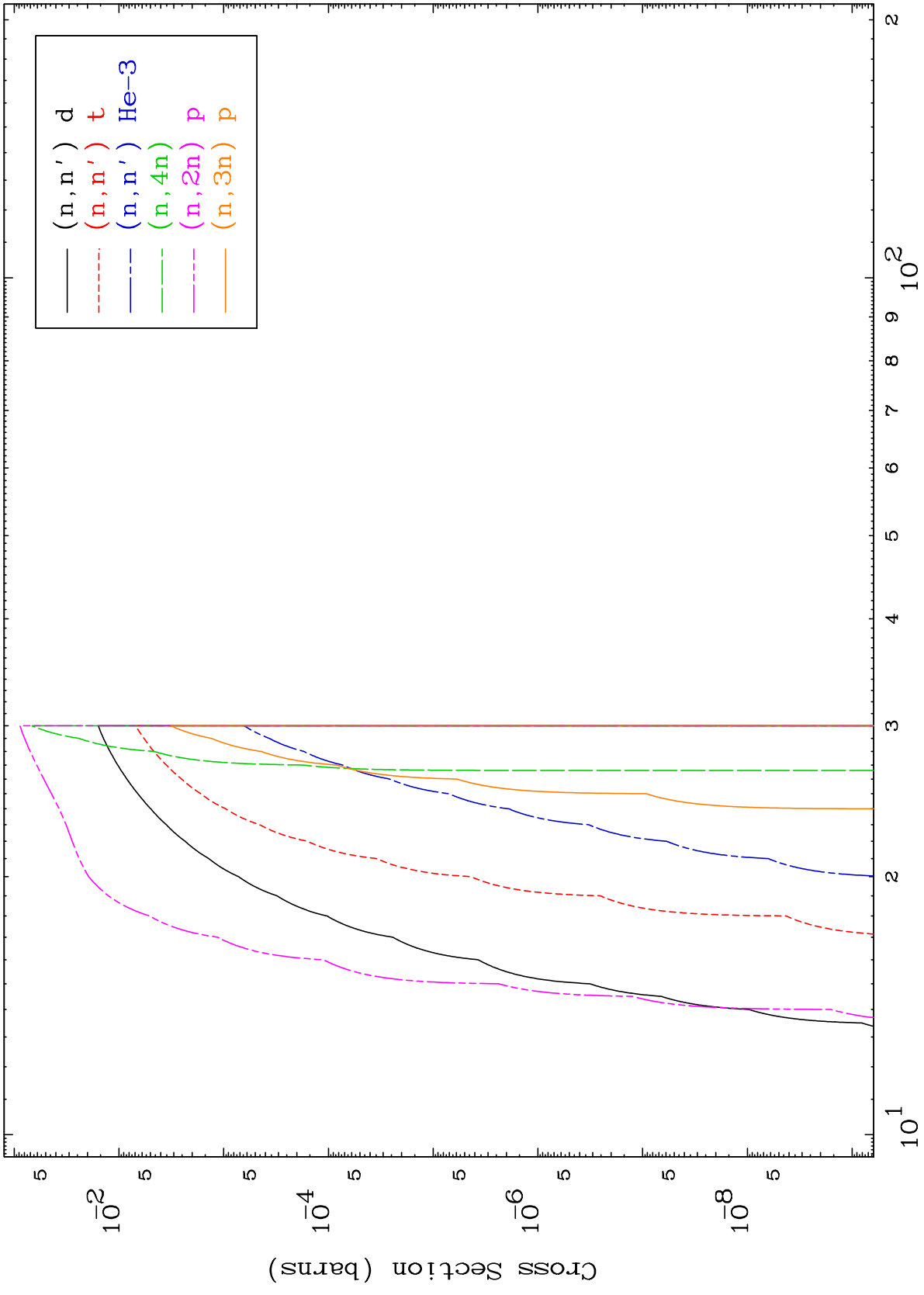
MAT 5916

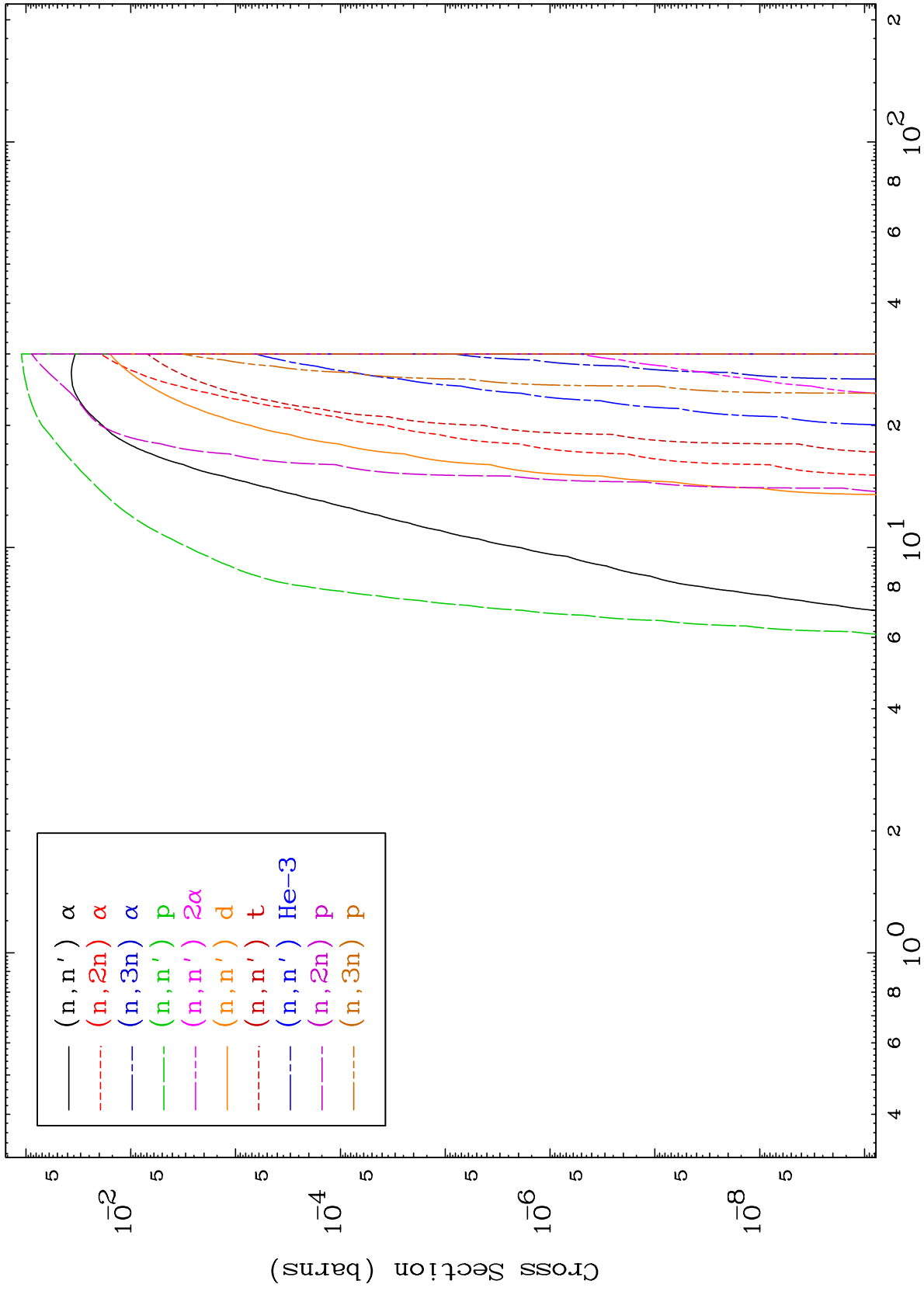
Major
293 Kelvin Cross Sections

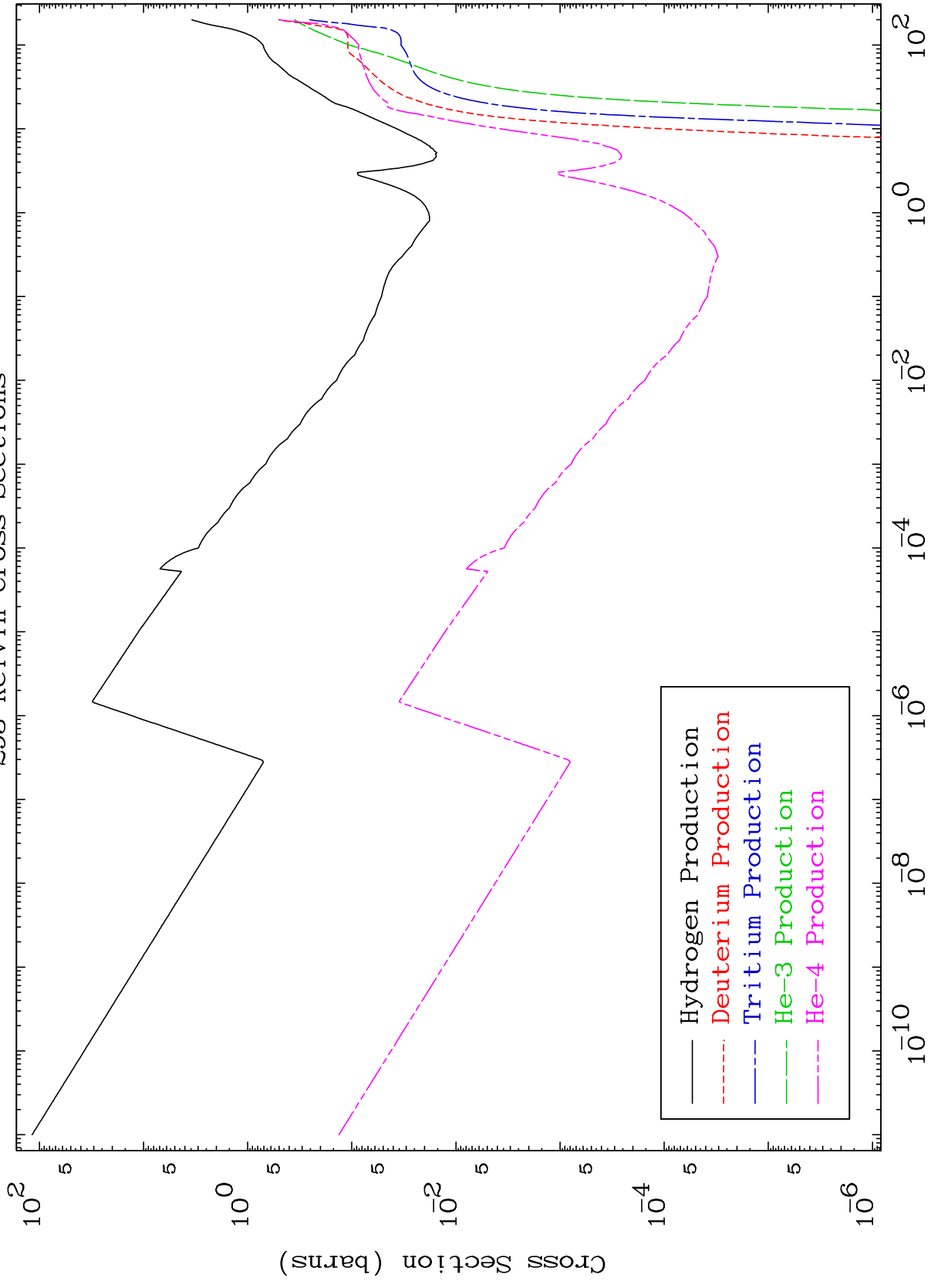
59-Pr-138









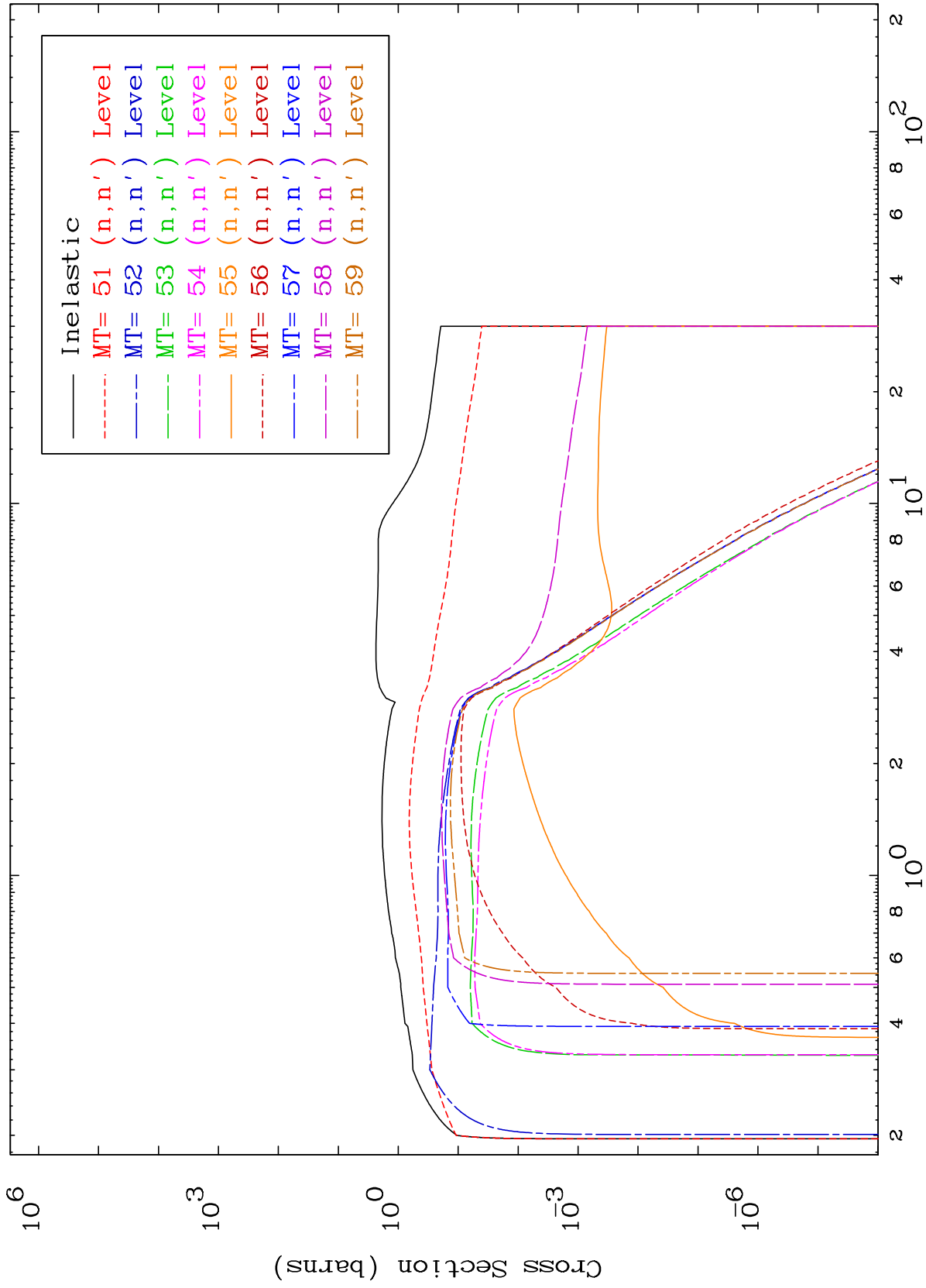


MAT 5916

(n,n') Level

59-Pr-138

293 Kelvin Cross Sections

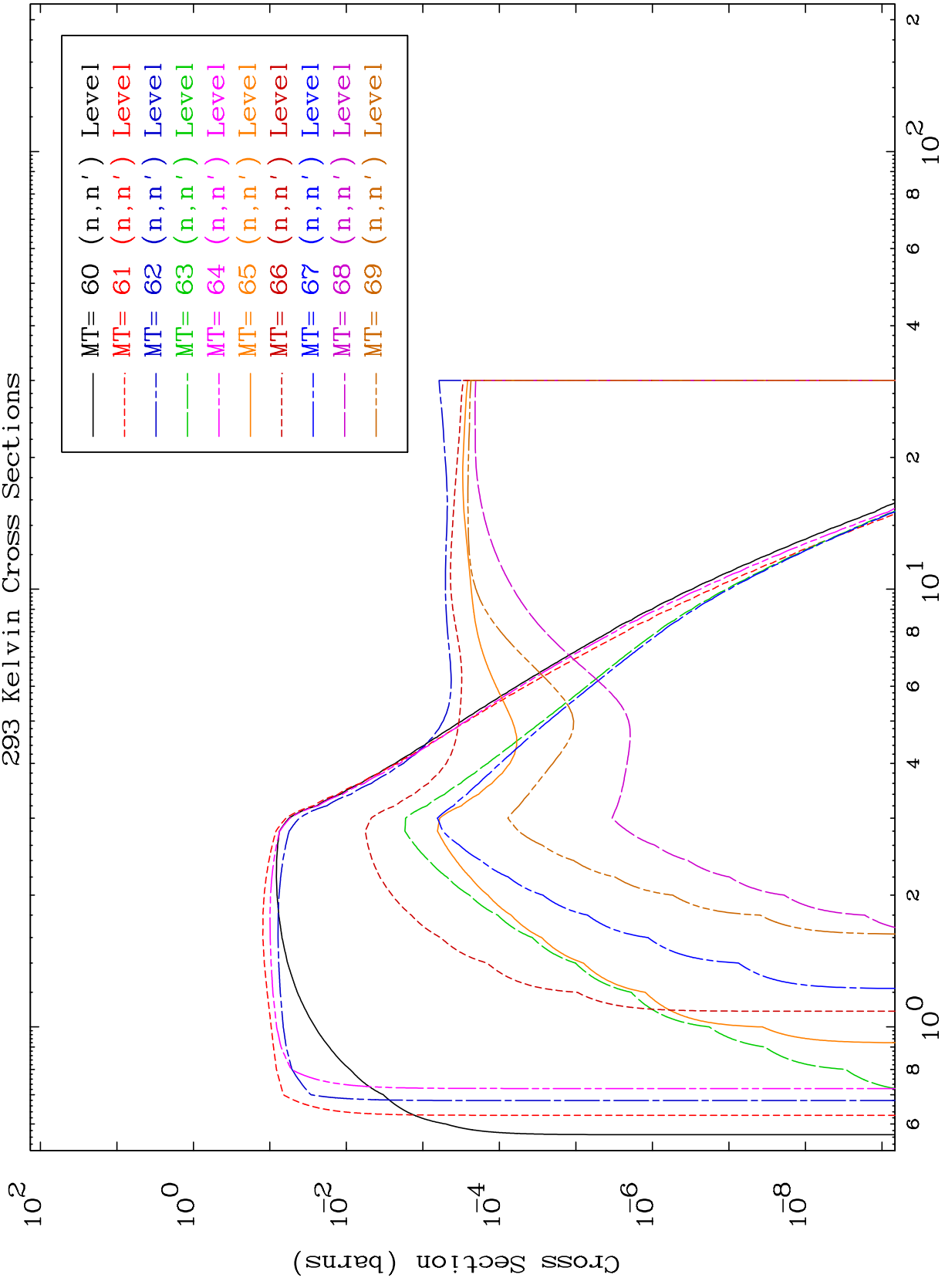


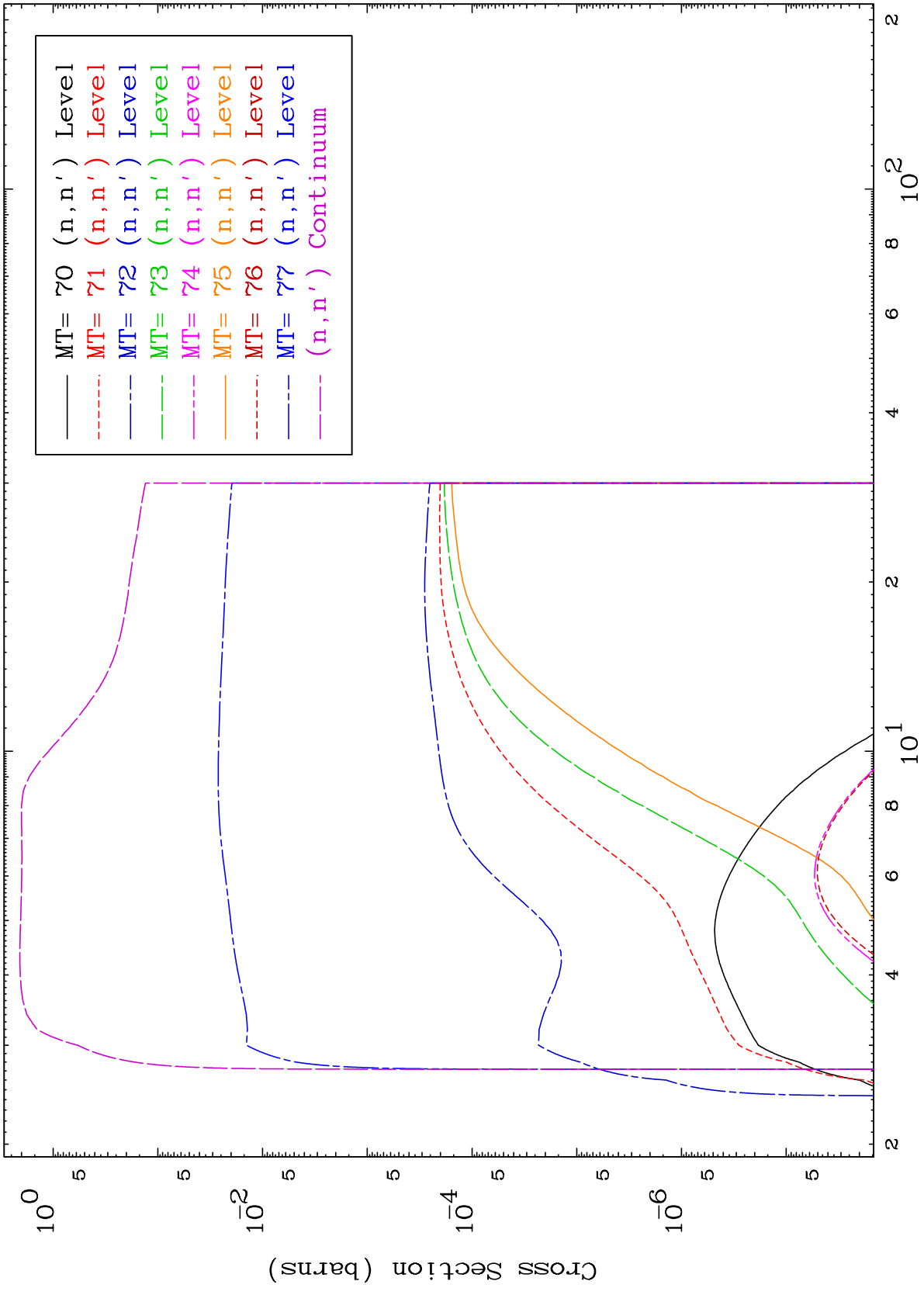
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Incident Energy (MeV)

59-Pr-138

293 Kelvin Cross Sections

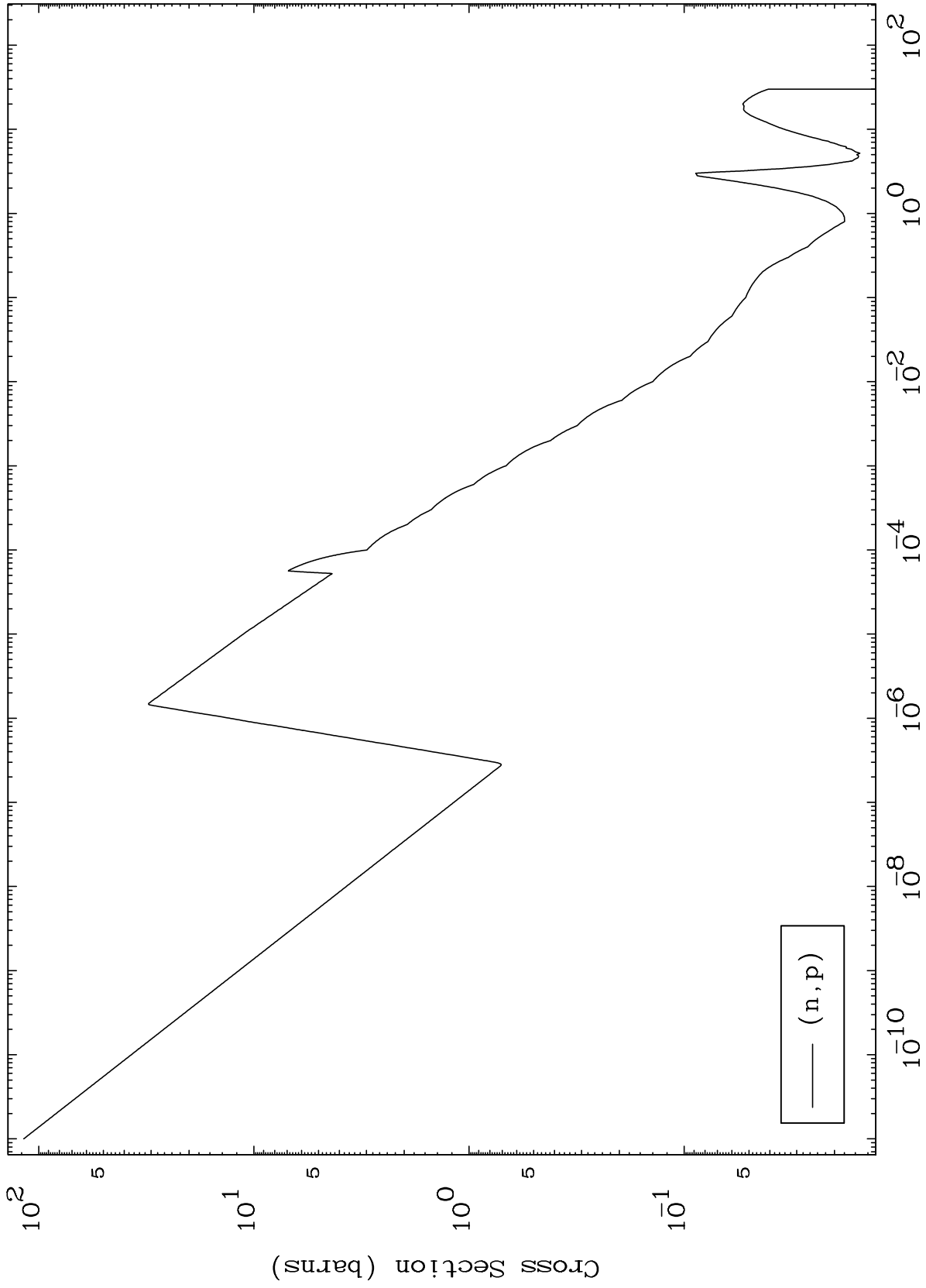




MAT 5916

(n,p) Levels
293 Kelvin Cross Sections

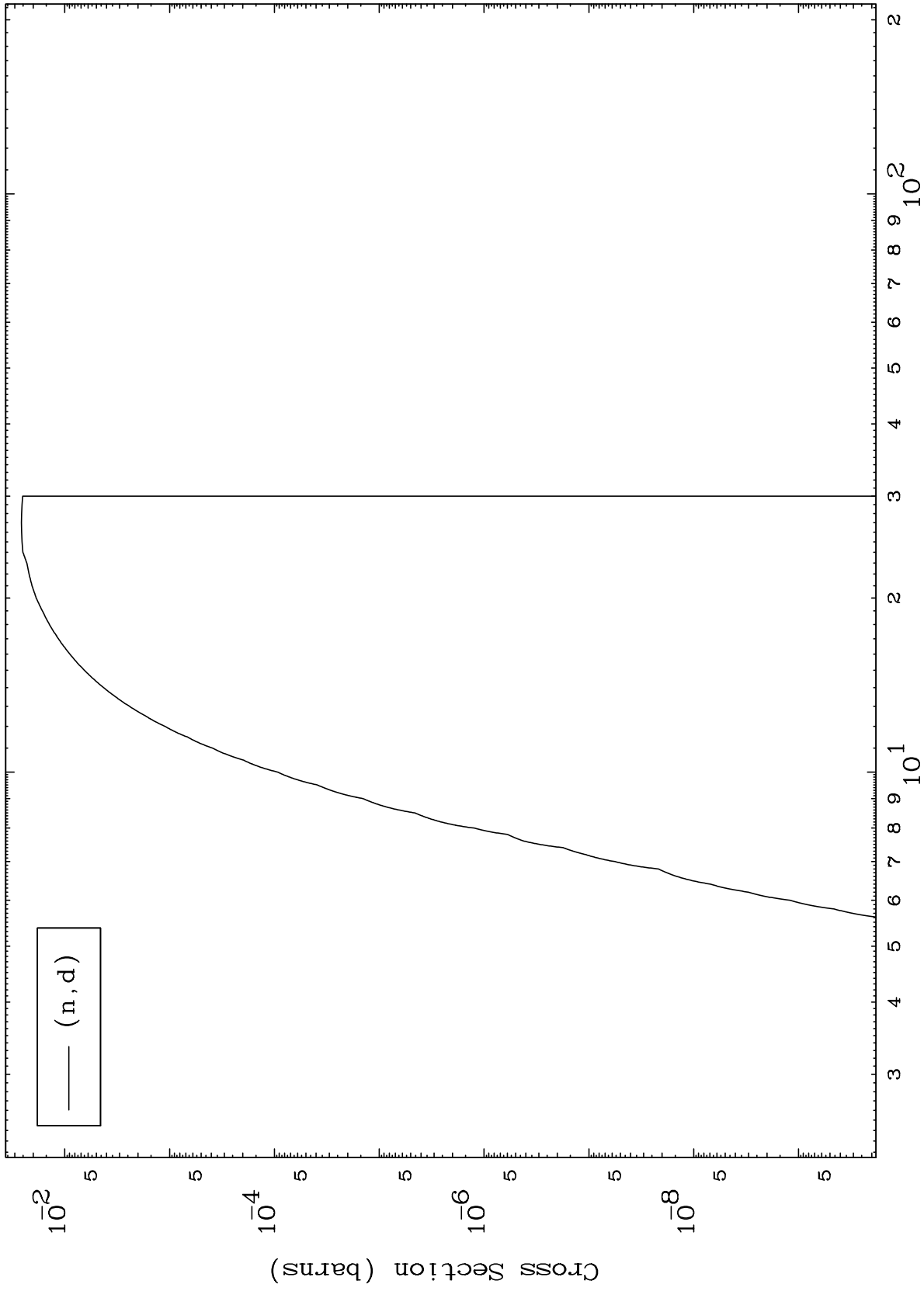
59-Pr-138



10

Incident Energy (MeV)

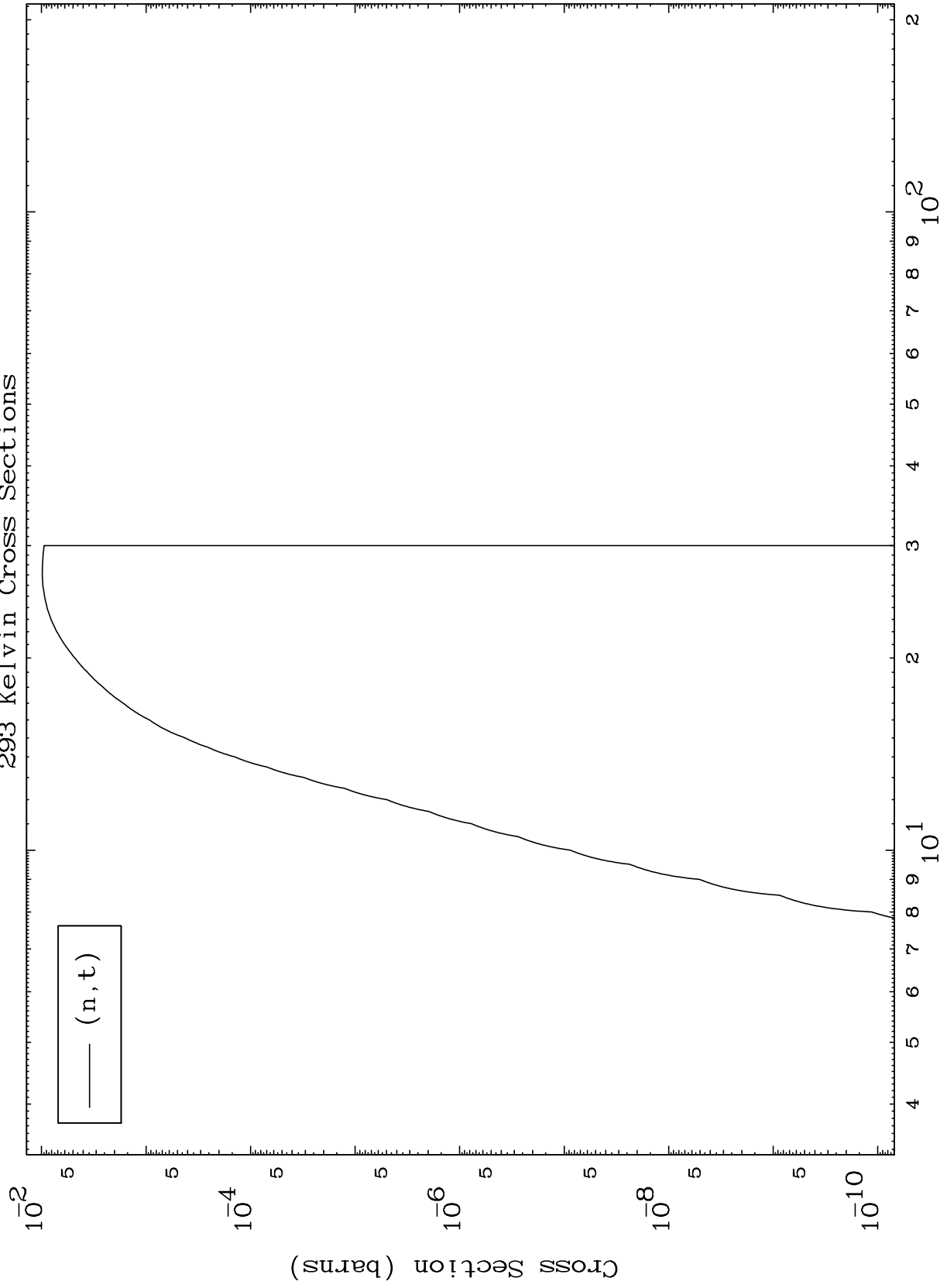
59-Pr-138



MAT 5916

(n,t) Levels
293 Kelvin Cross Sections

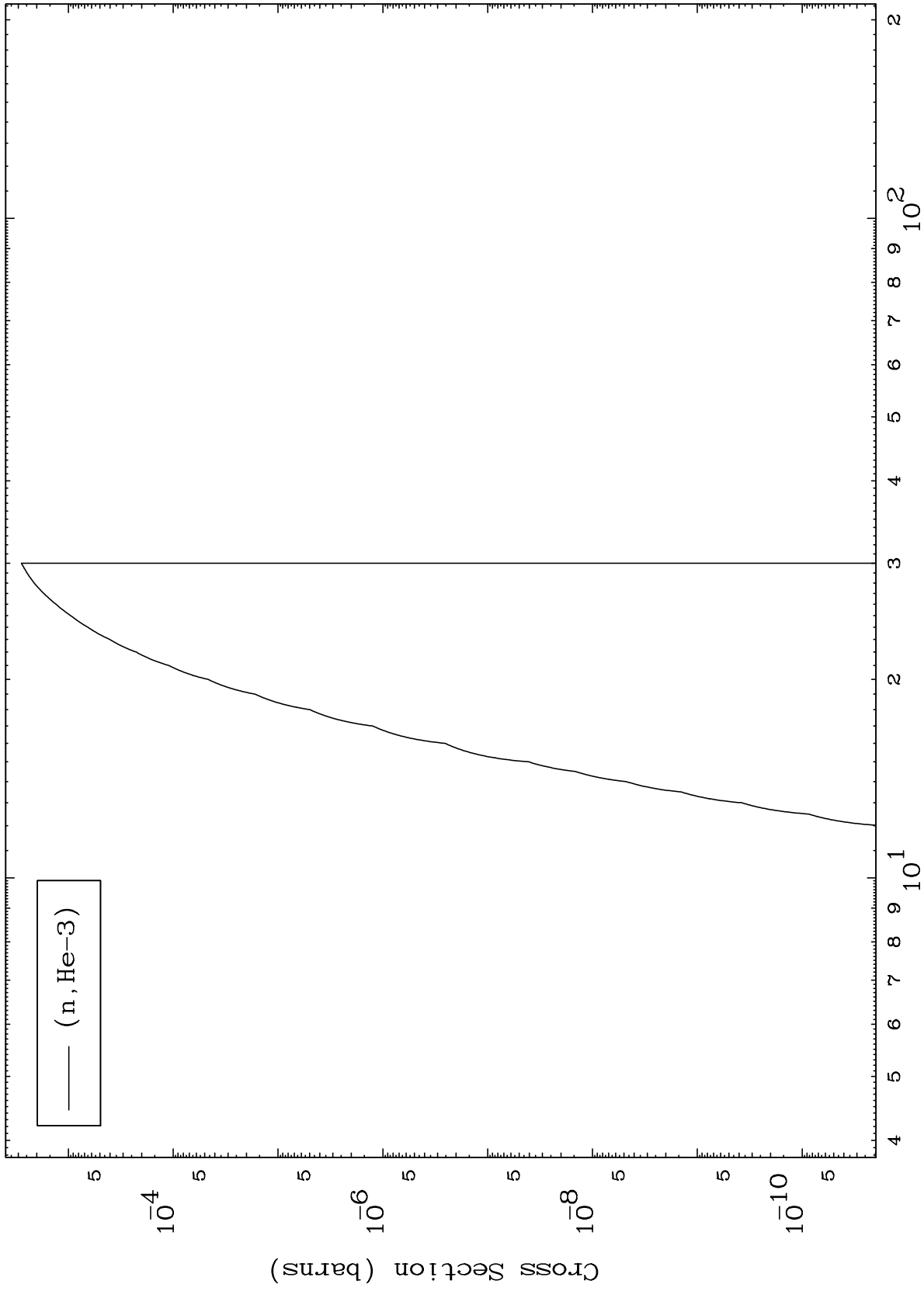
59-Pr-138



12

Incident Energy (MeV)

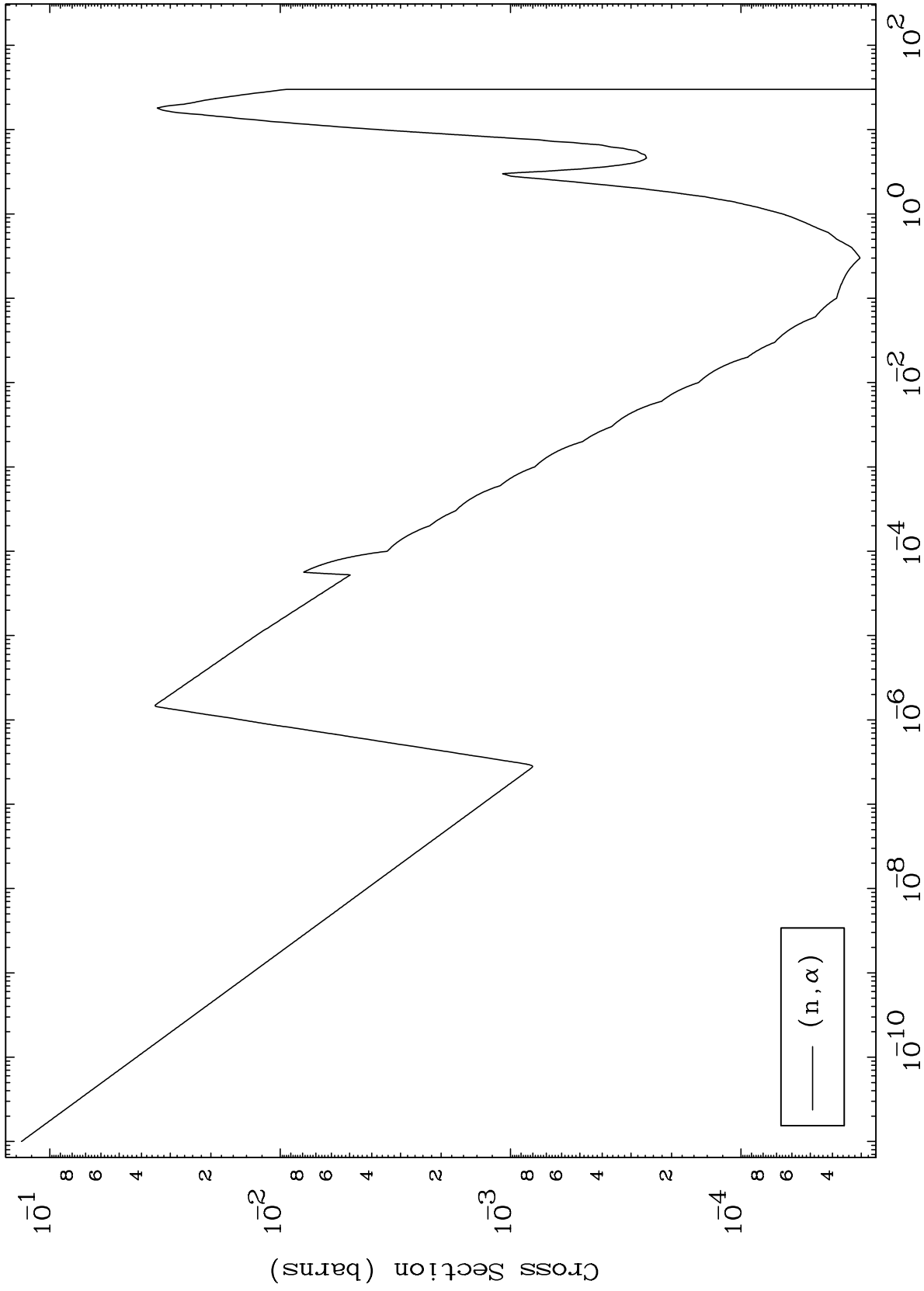
59-Pr-138



MAT 5916

(n, α) Levels
293 Kelvin Cross Sections

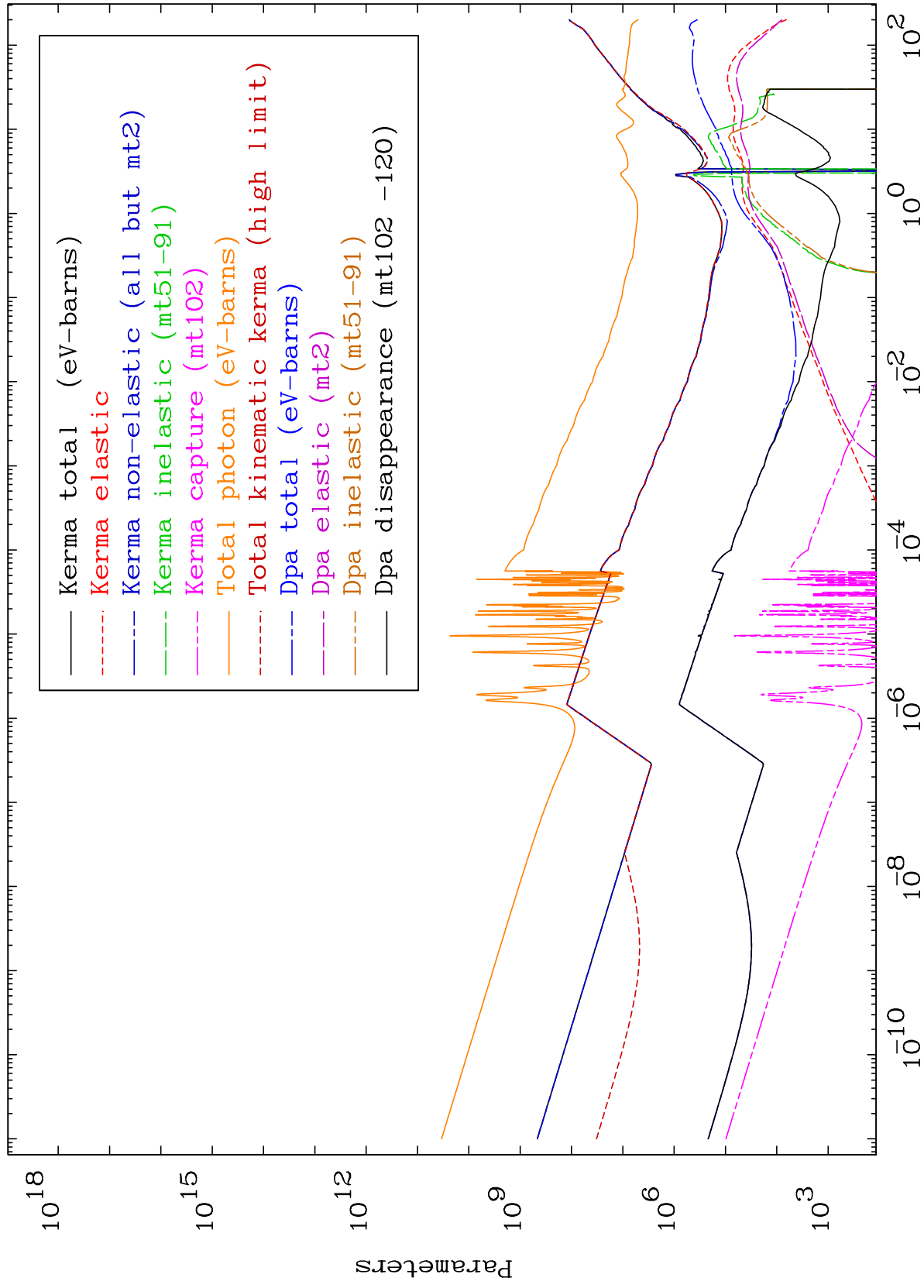
59-Pr-138



14

Incident Energy (MeV)

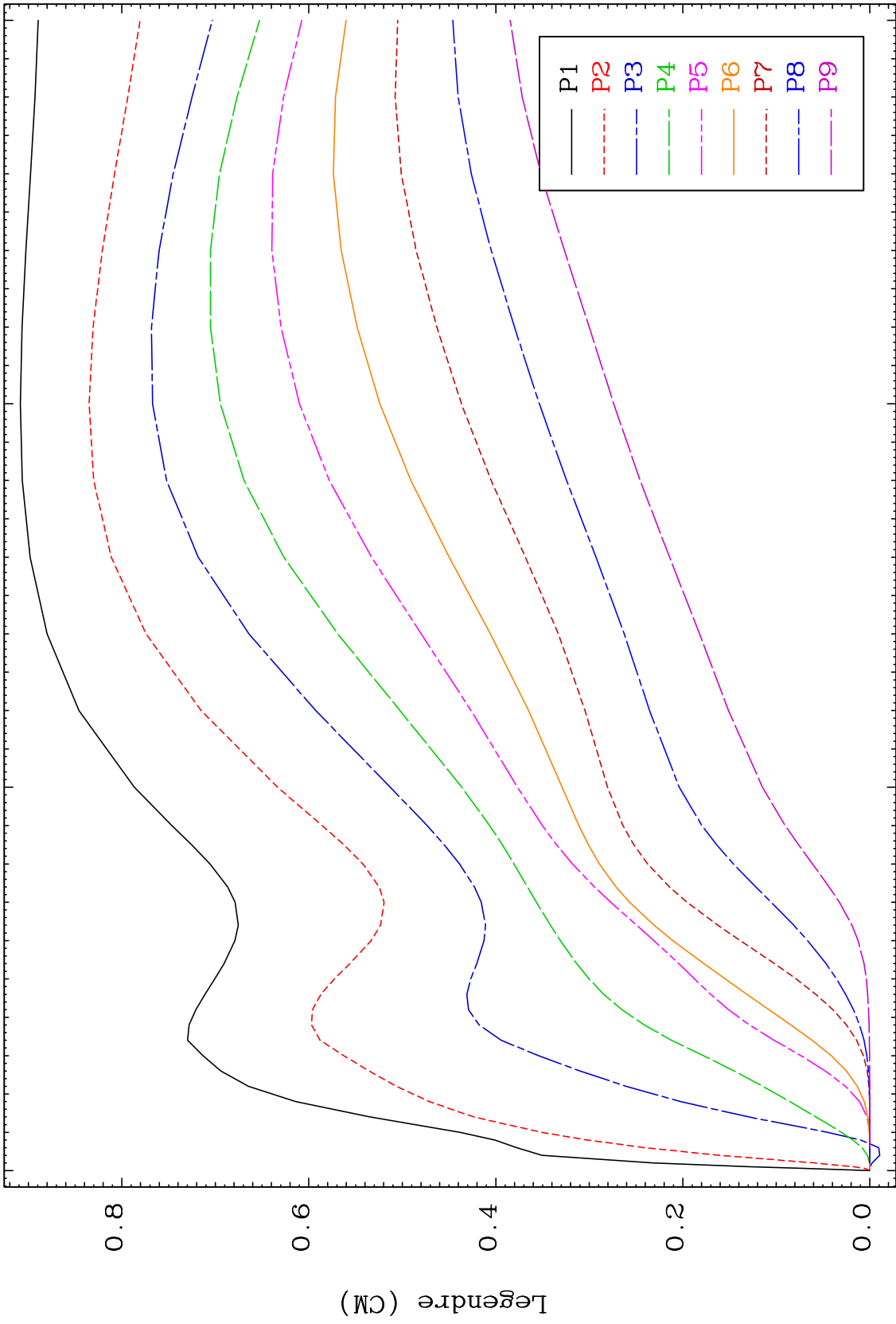
59-Pr-138



MAT 5916

59-Pr-138

Elastic Legendre Coefficients



16

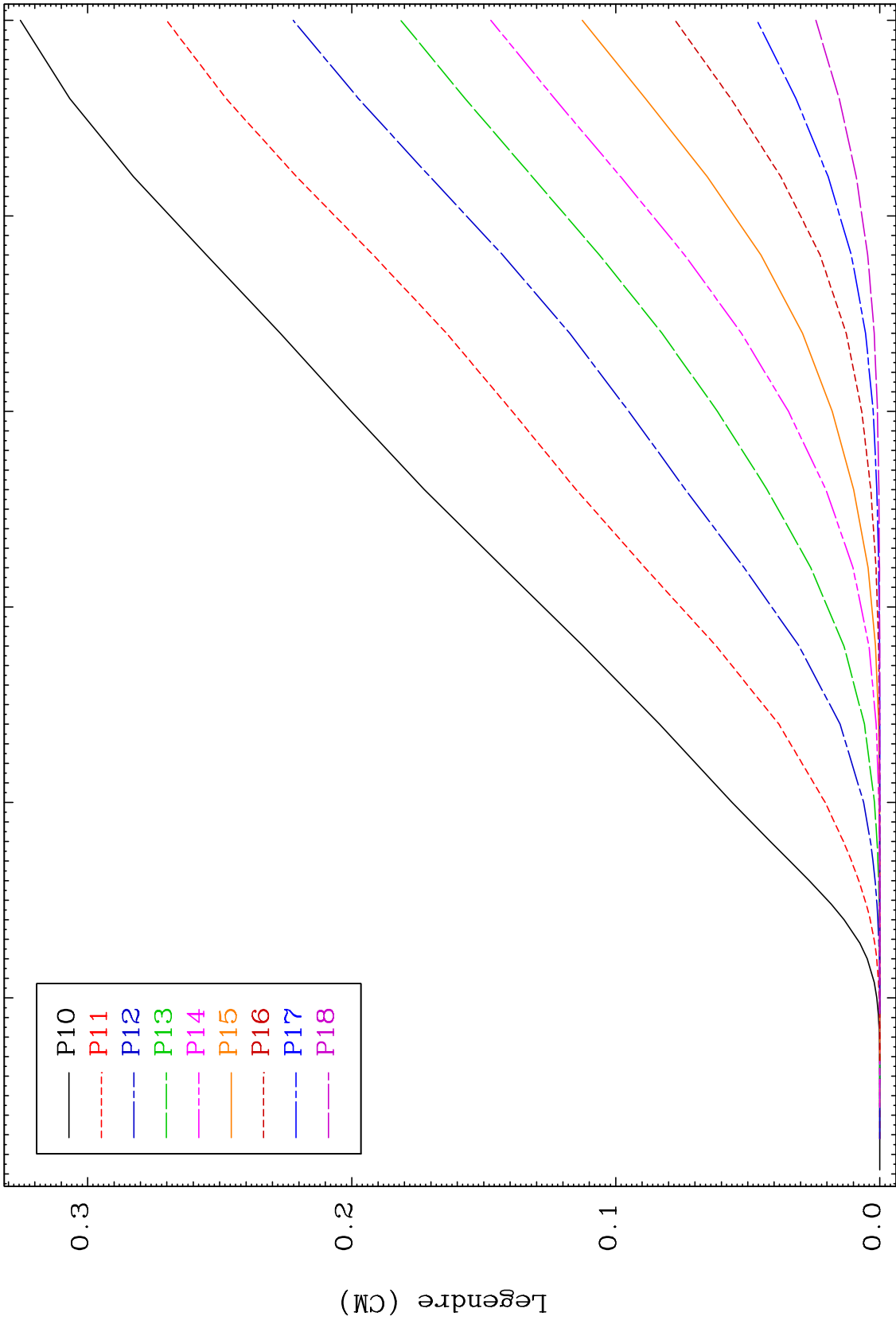
Incident Energy (MeV)

59-Pr-138

MAT 5916

Elastic Legendre Coefficients

59-Pr-138



17

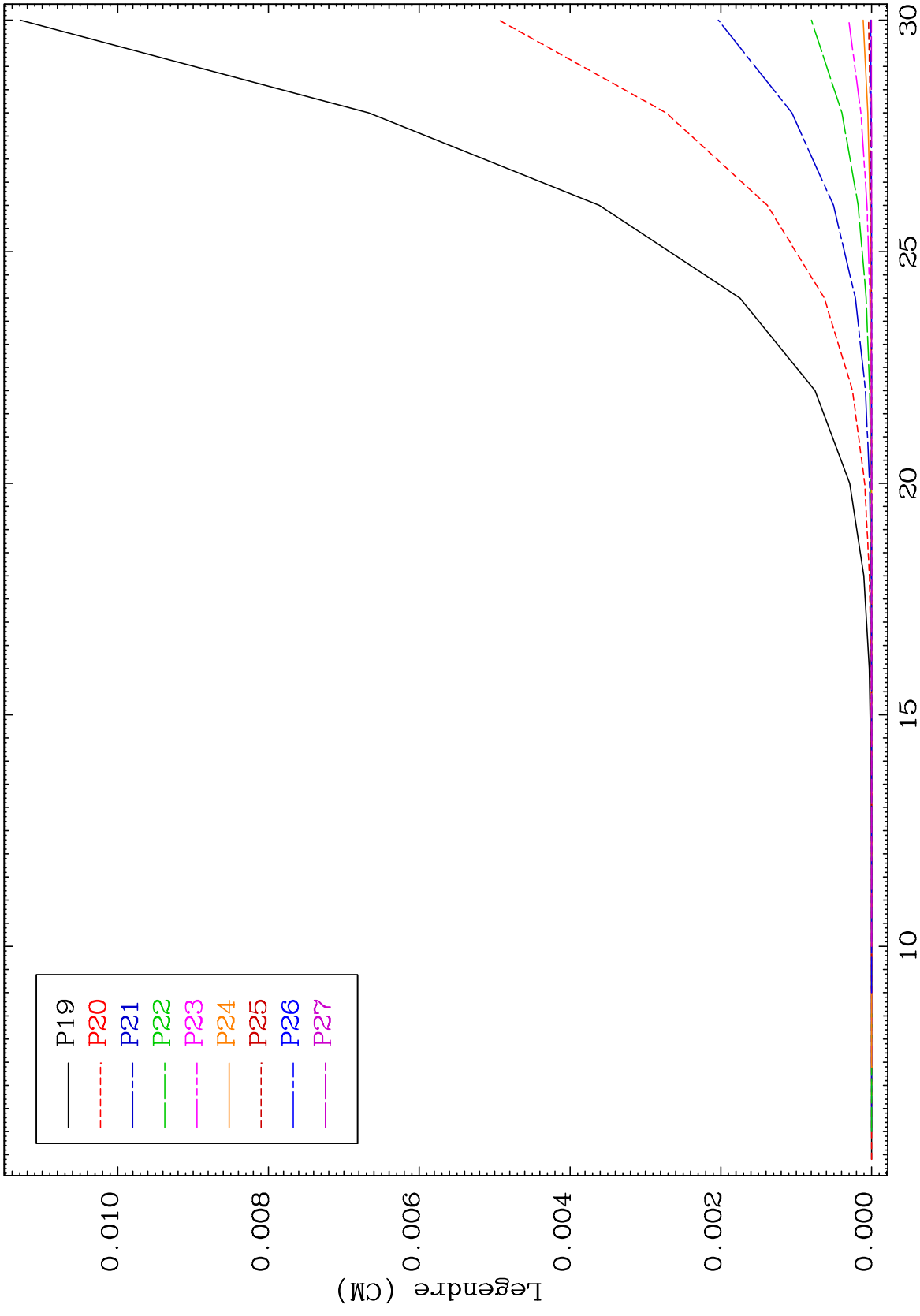
Incident Energy (MeV)

59-Pr-138

MAT 5916

Elastic Legendre Coefficients

59-Pr-138



18

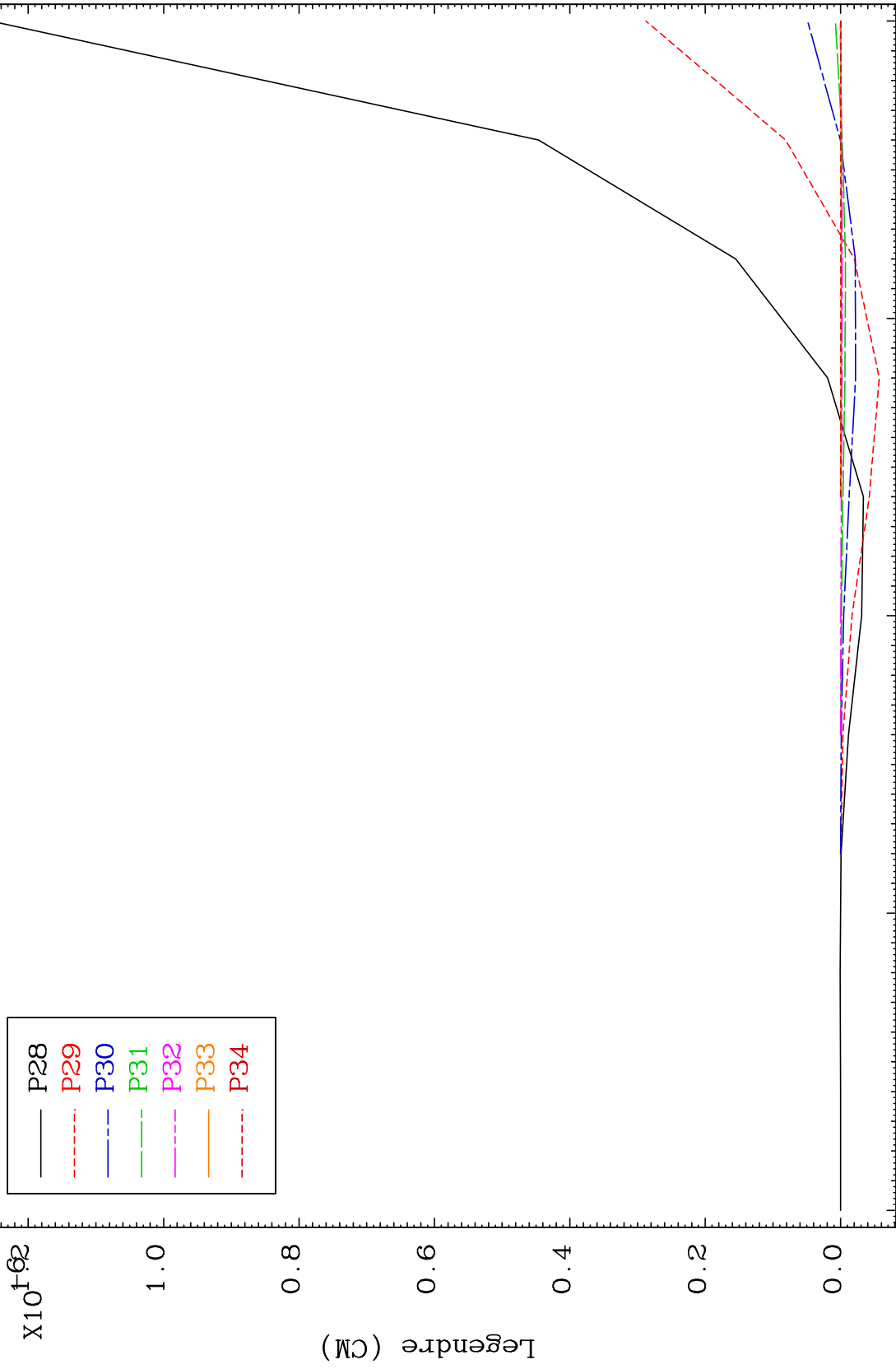
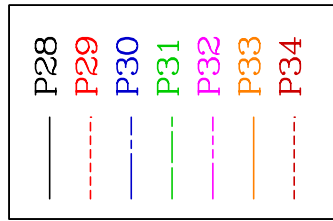
Incident Energy (MeV)

59-Pr-138

MAT 5916

Elastic Legendre Coefficients

59-Pr-138



19

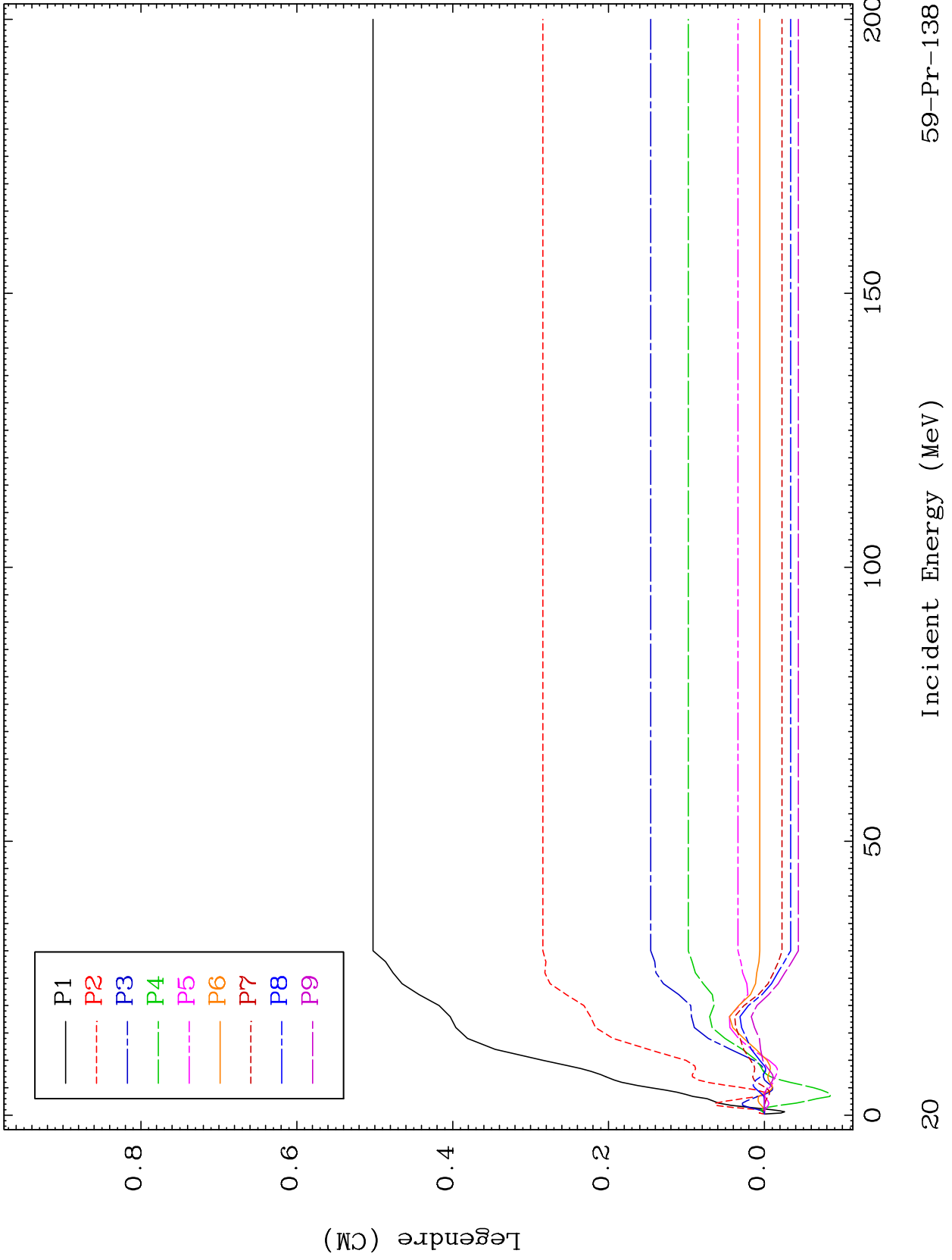
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

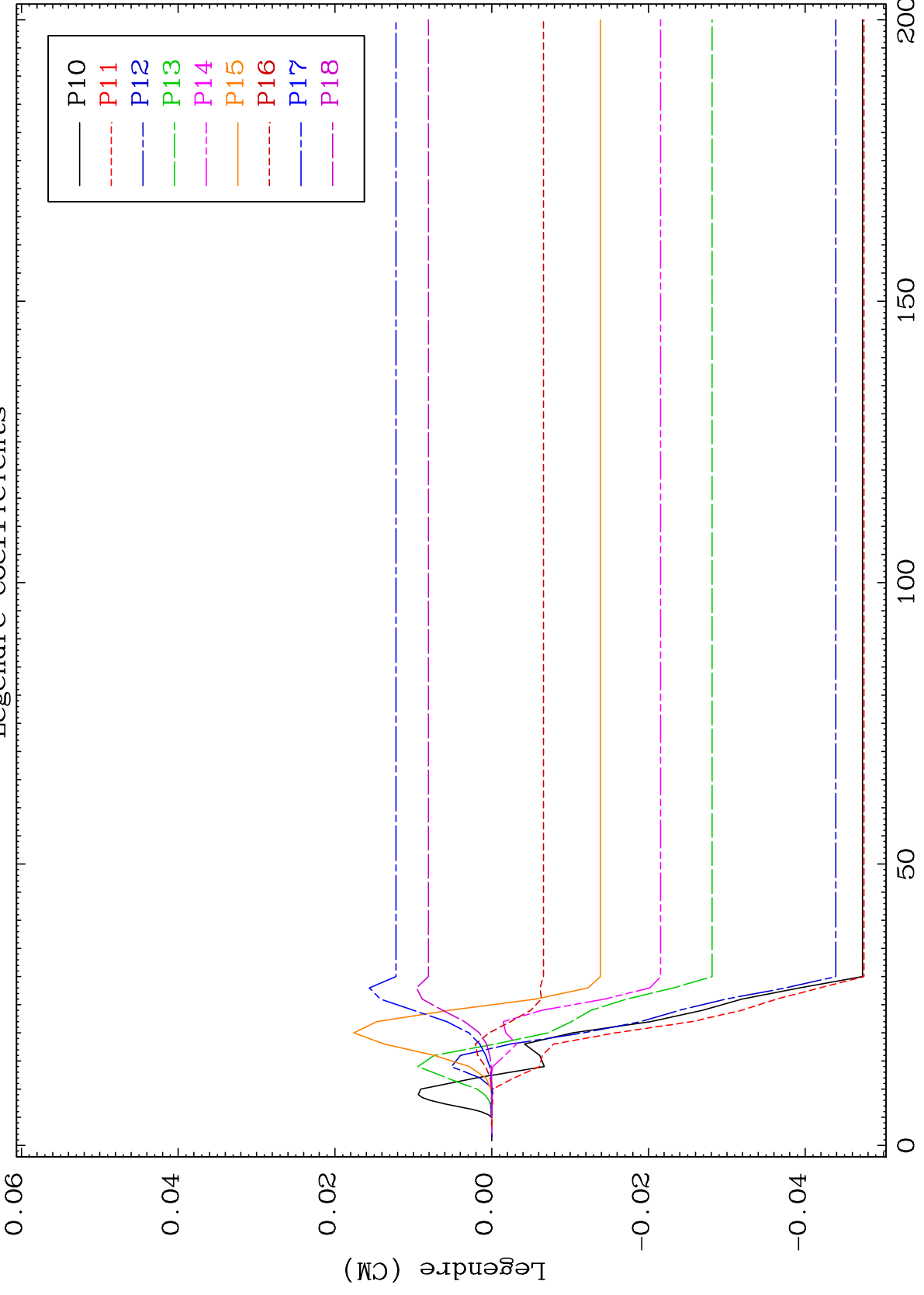
59-Pr-138



MAT 5916

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

59-Pr-138



21

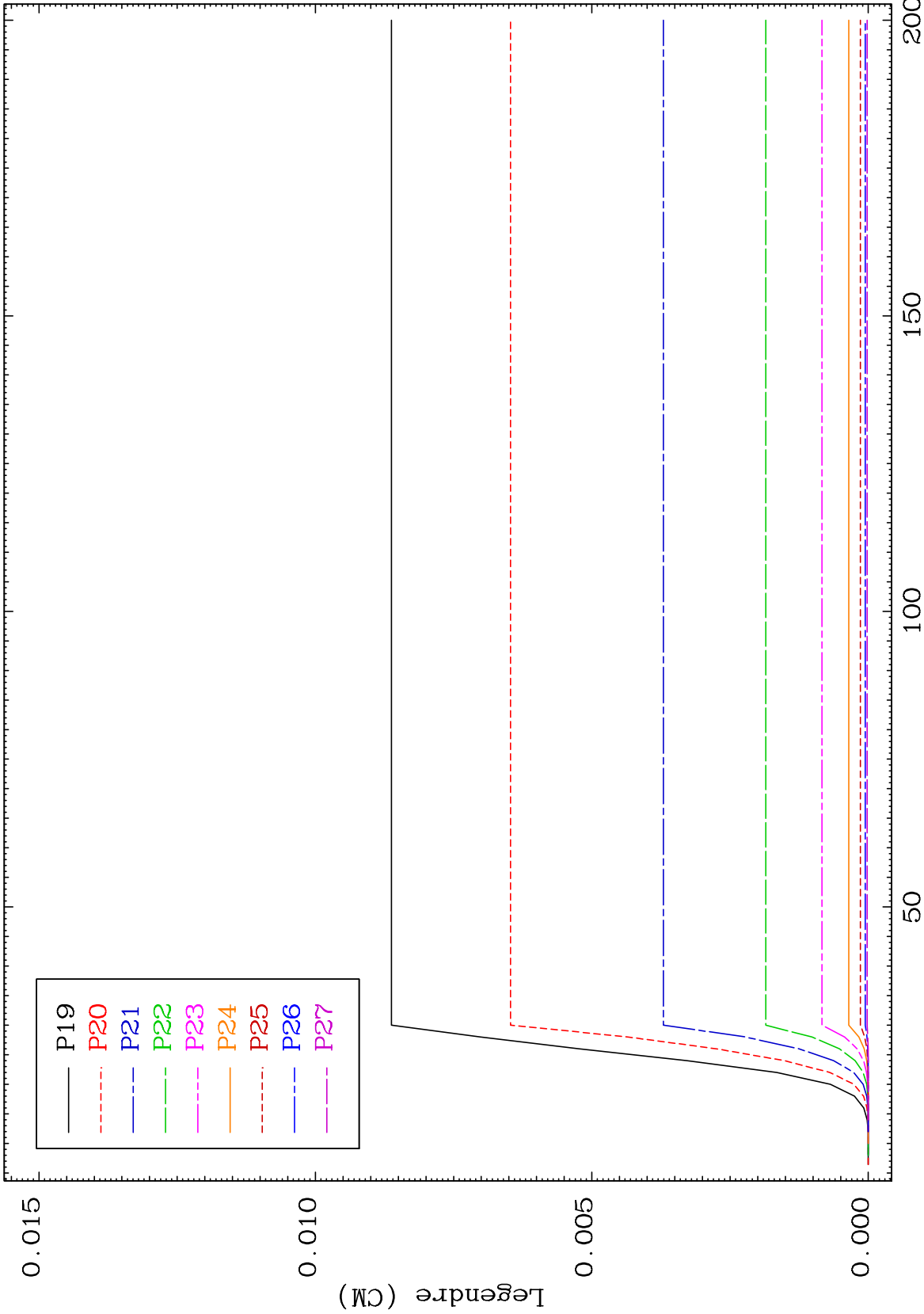
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

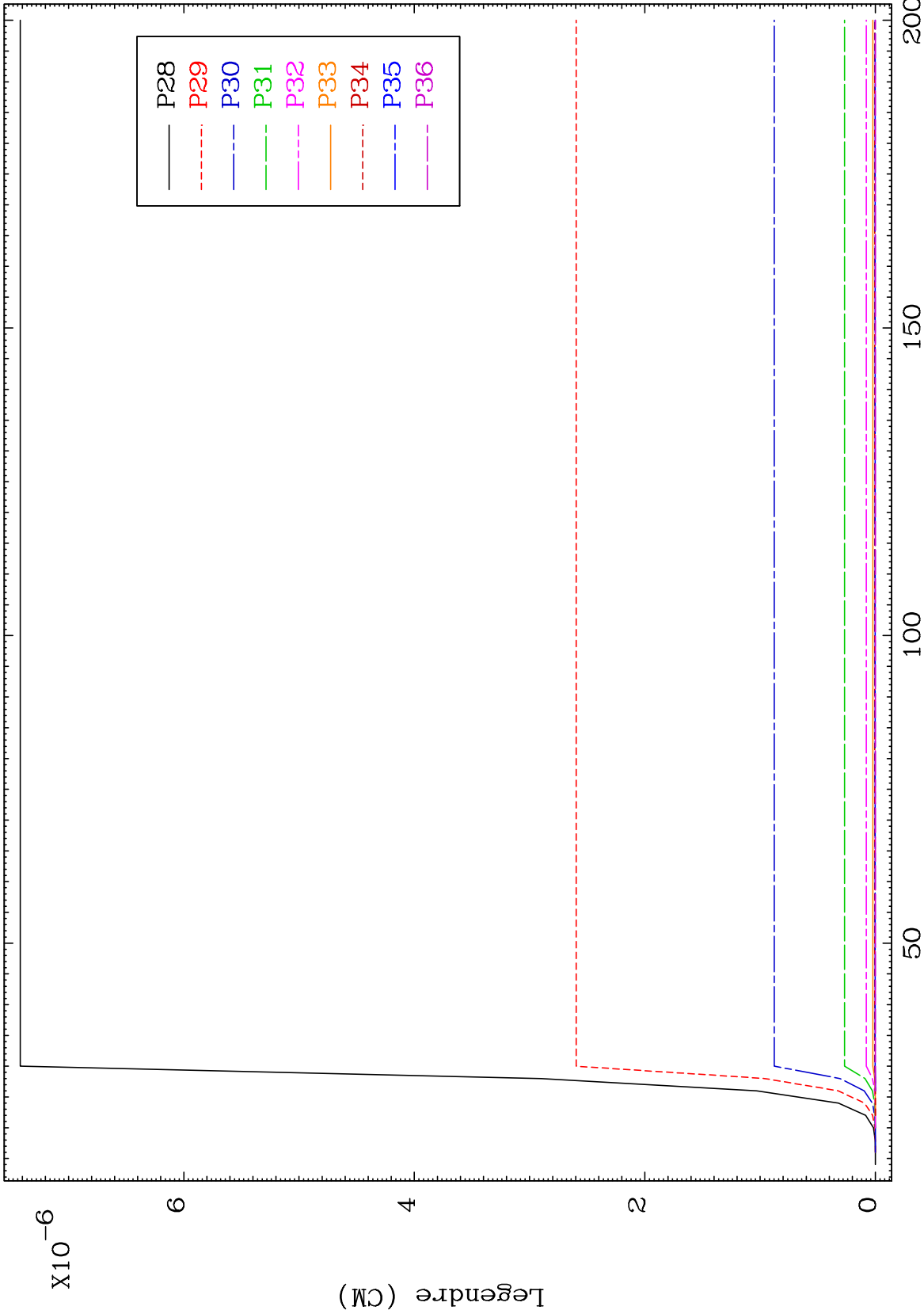
59-Pr-138



22

Incident Energy (MeV)

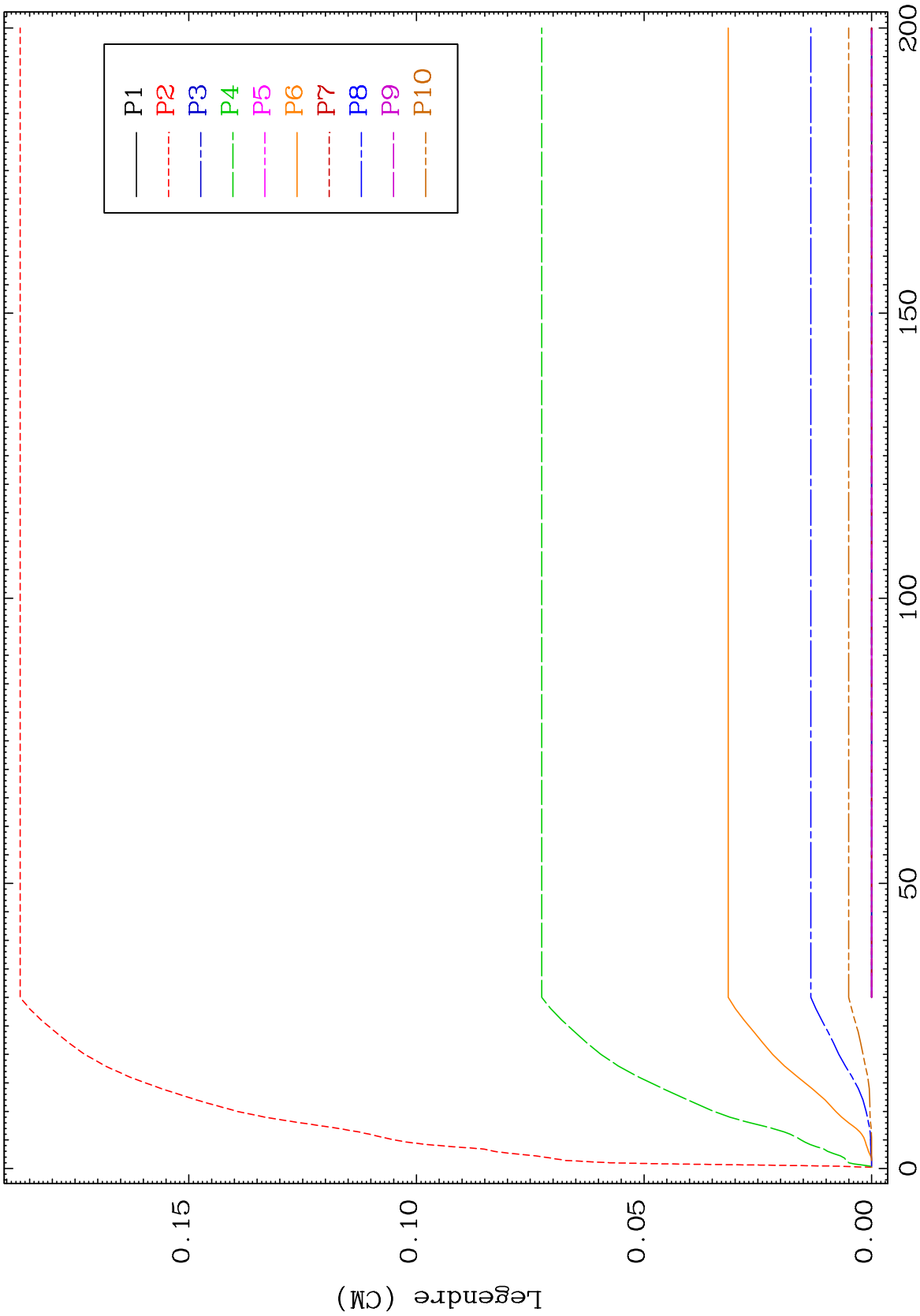
59-Pr-138



MAT 5916

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

59-Pr-138



24

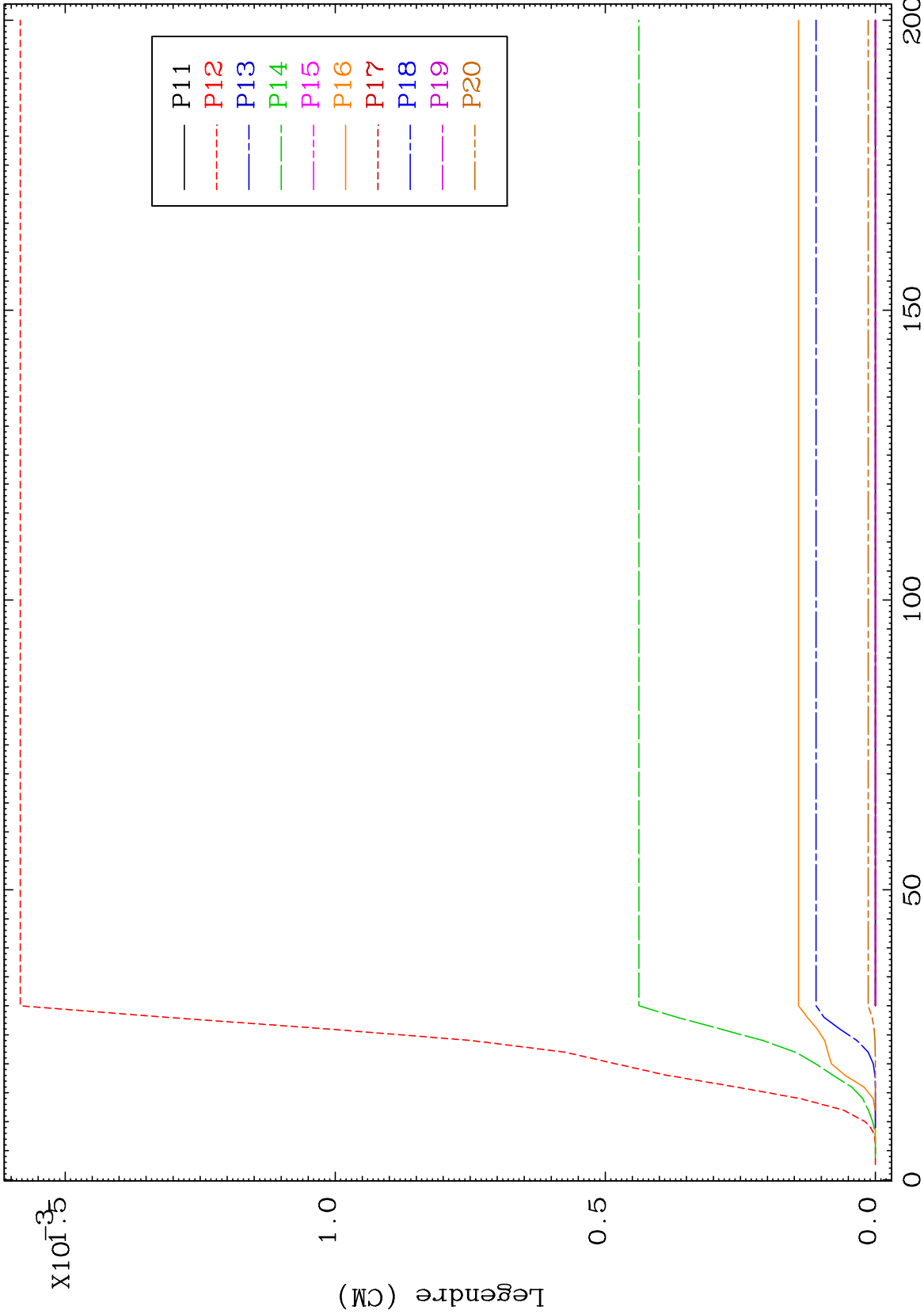
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



25

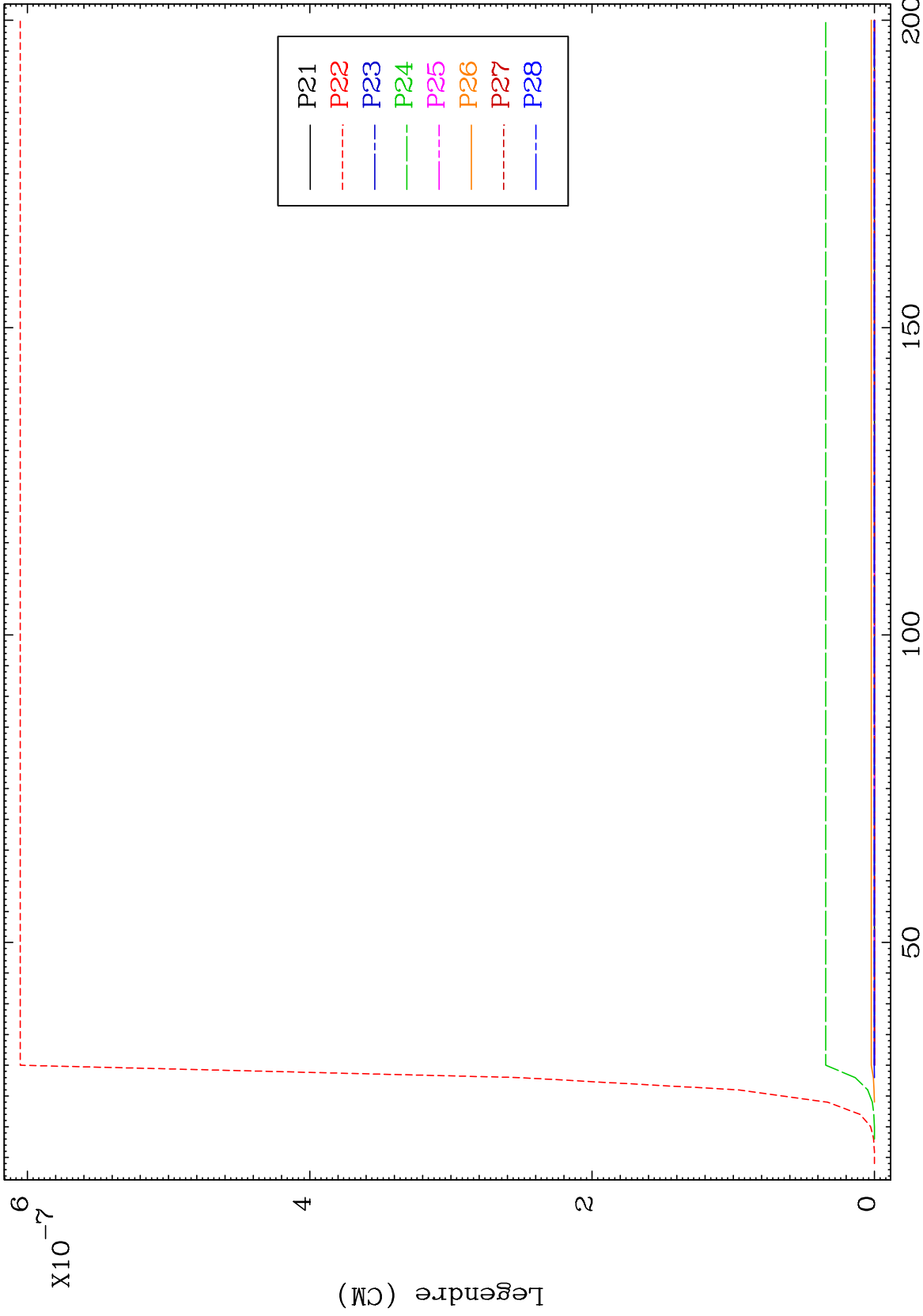
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138

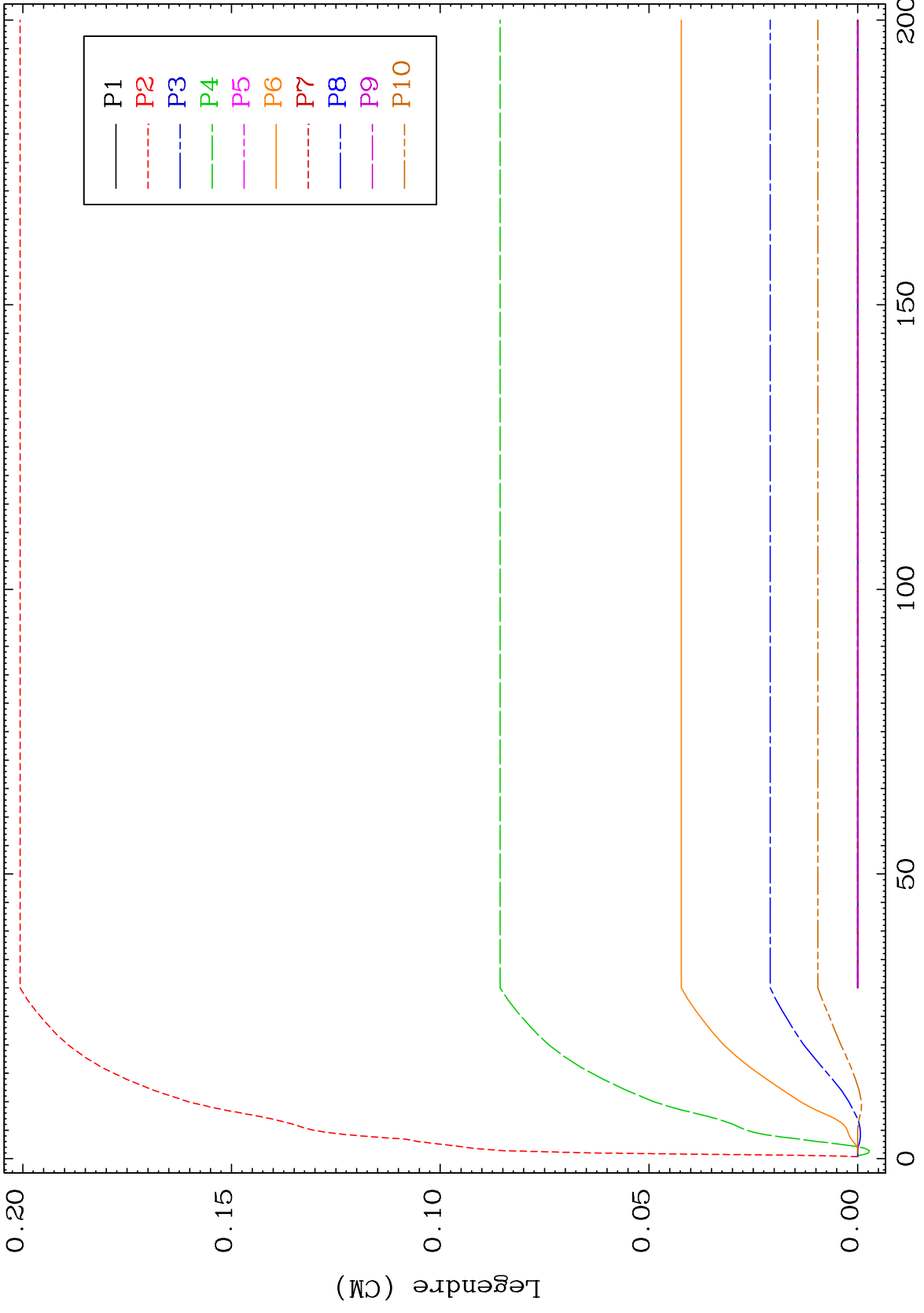


26

Incident Energy (MeV)

59-Pr-138

MAT 5916 MT= 53 (n,n') Level Legendre Coefficients 59-Pr-138

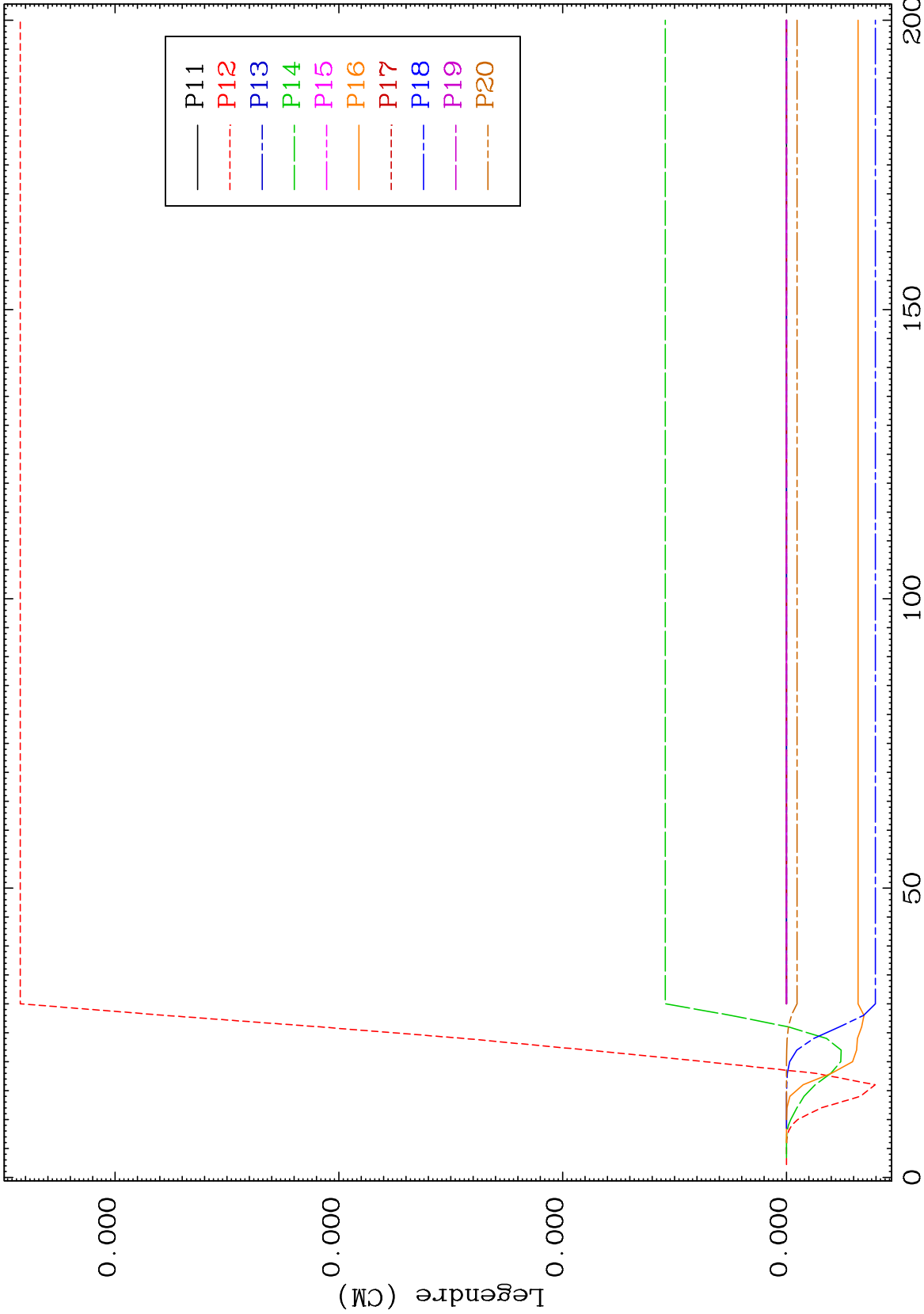


27 Incident Energy (MeV) 59-Pr-138

MAT 5916

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

59-Pr-138



28

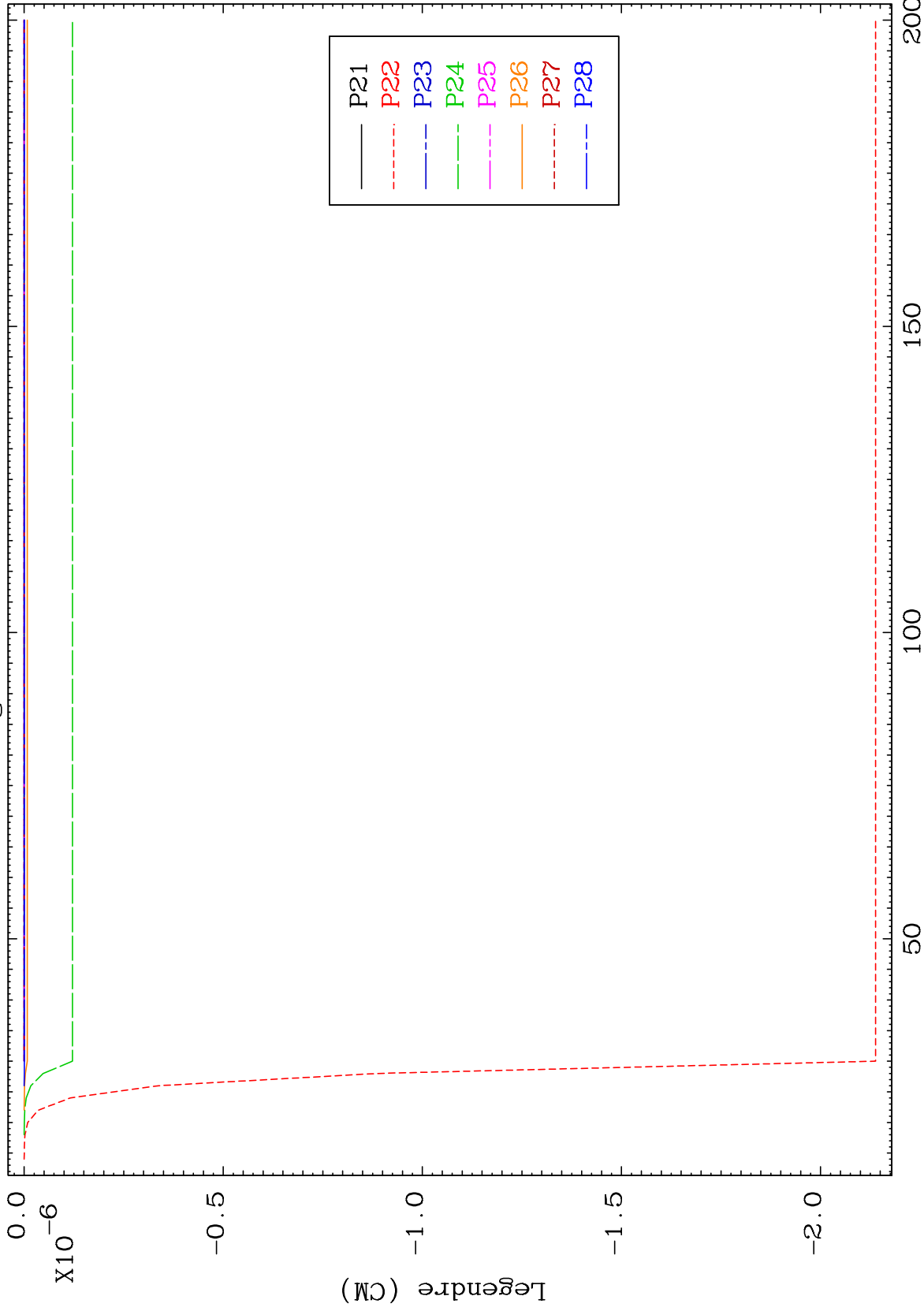
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



29

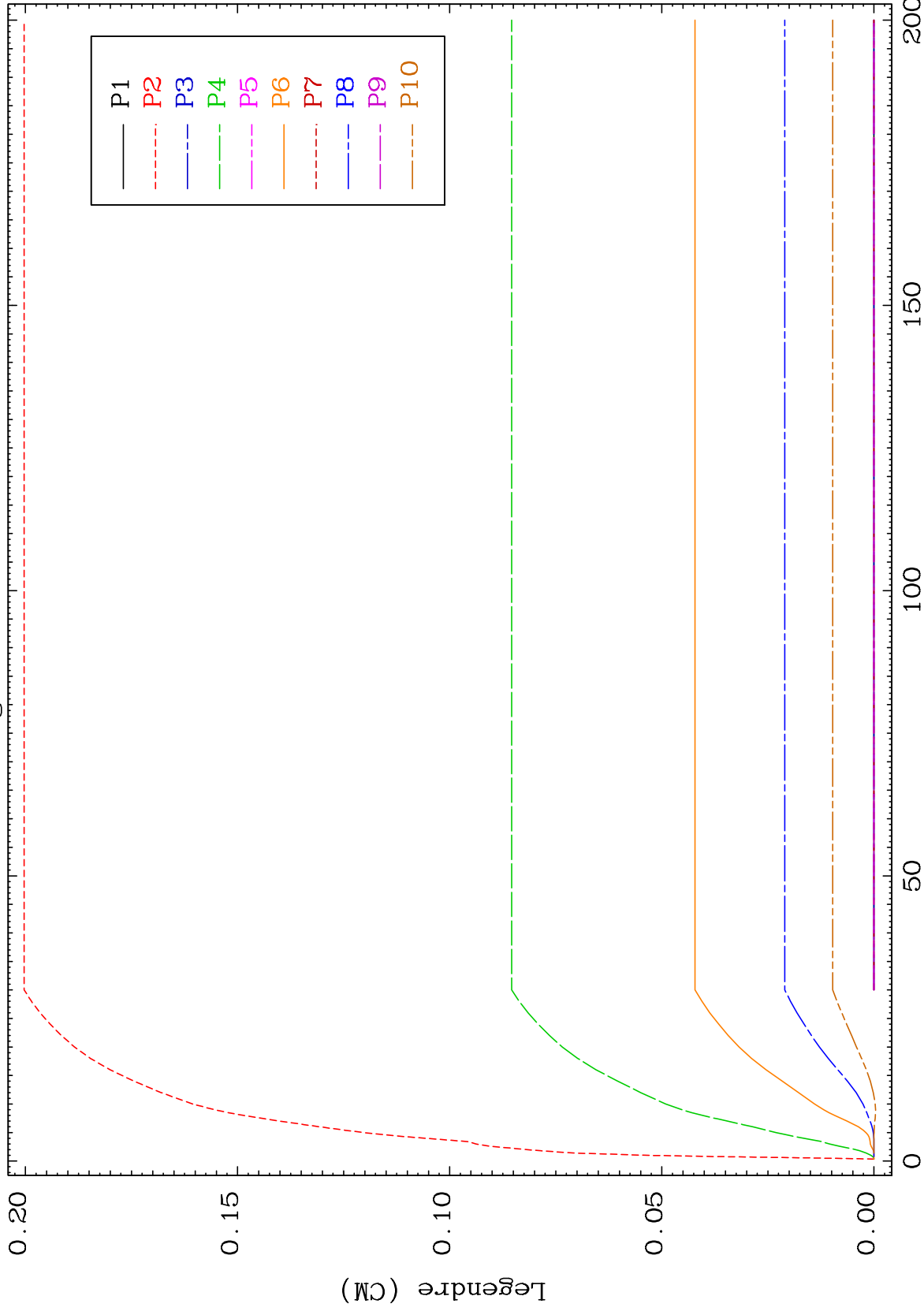
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



59-Pr-138

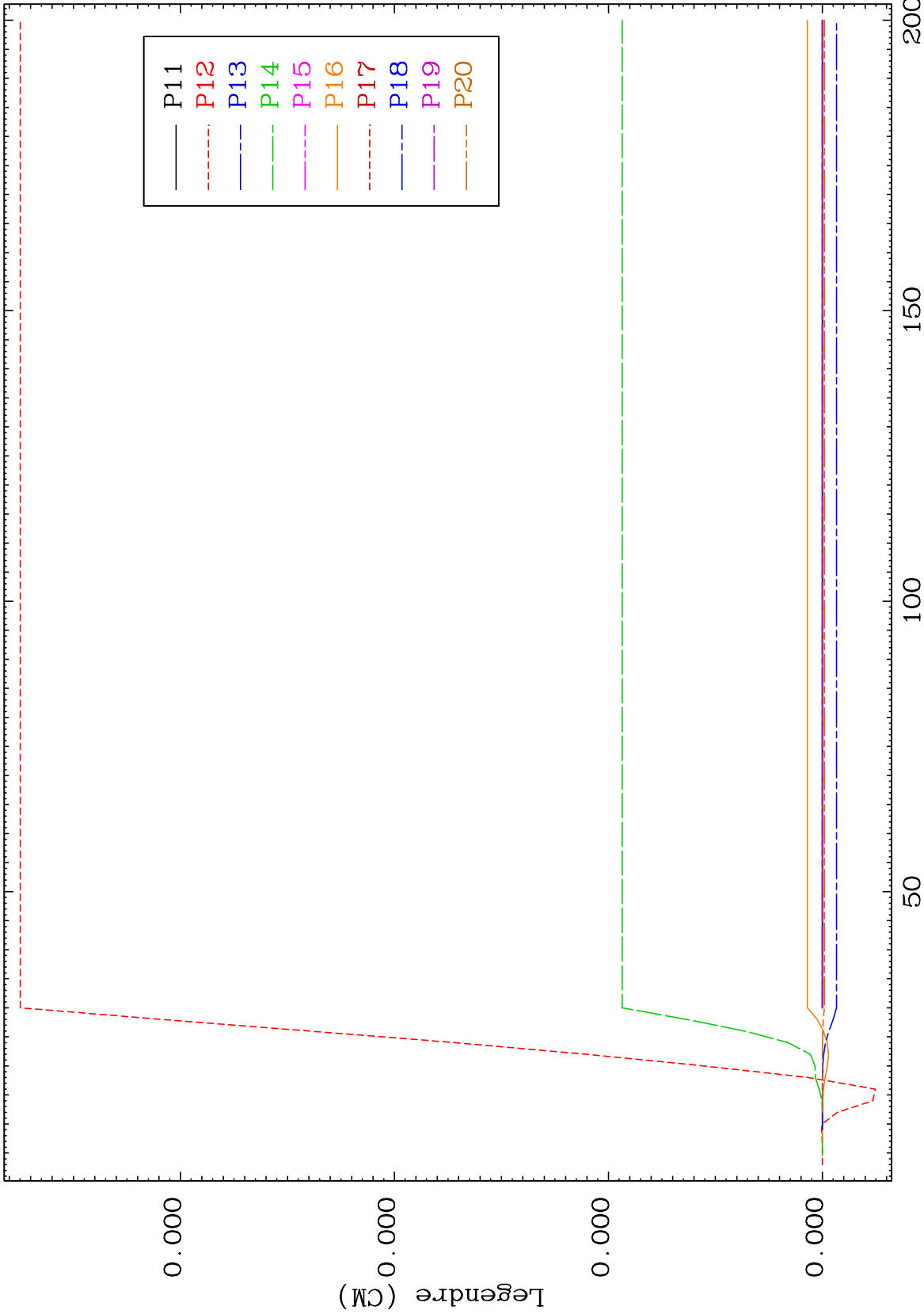
Incident Energy (MeV)

30

MAT 5916

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

59-Pr-138



31

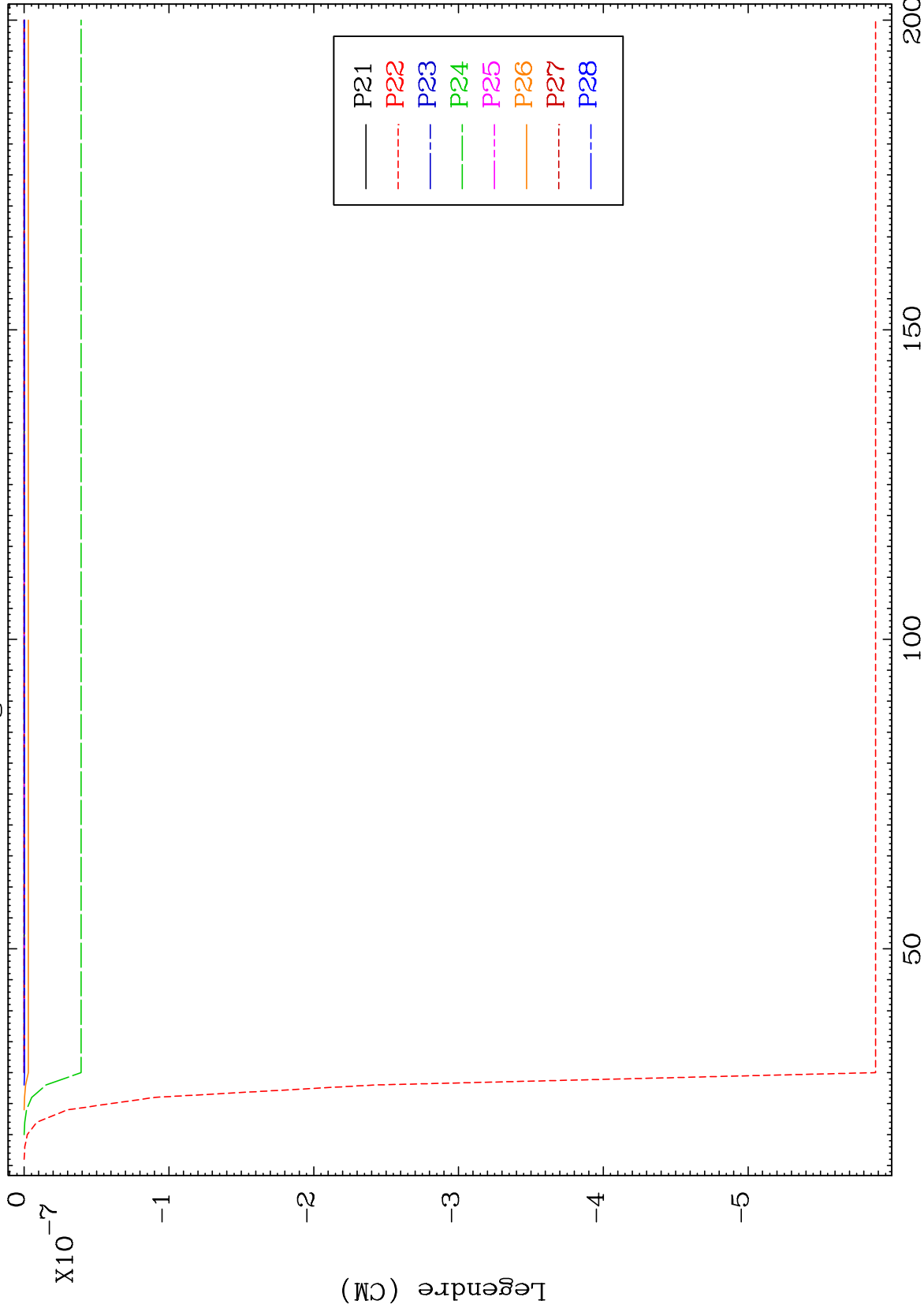
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



32

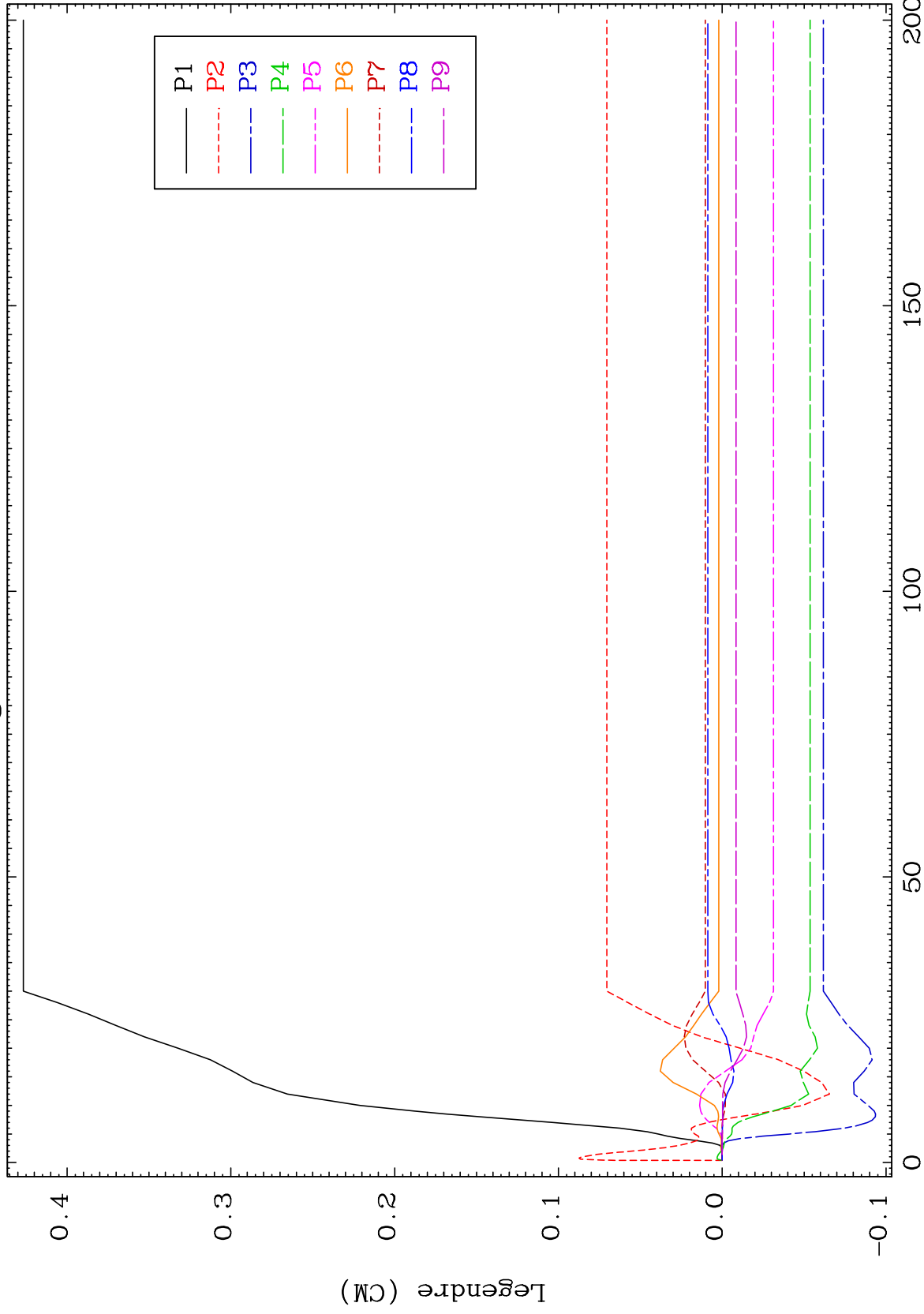
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



33

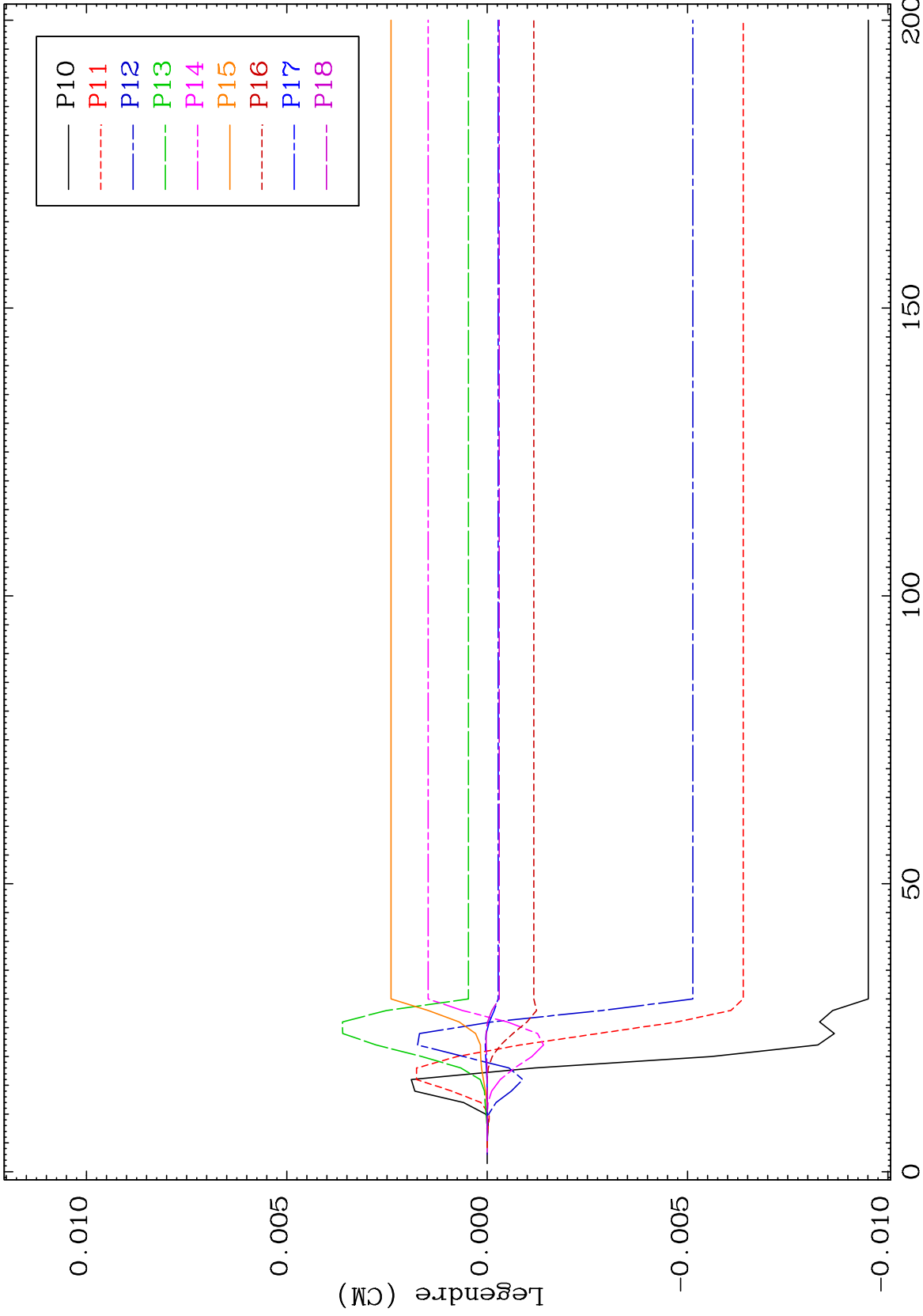
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



34

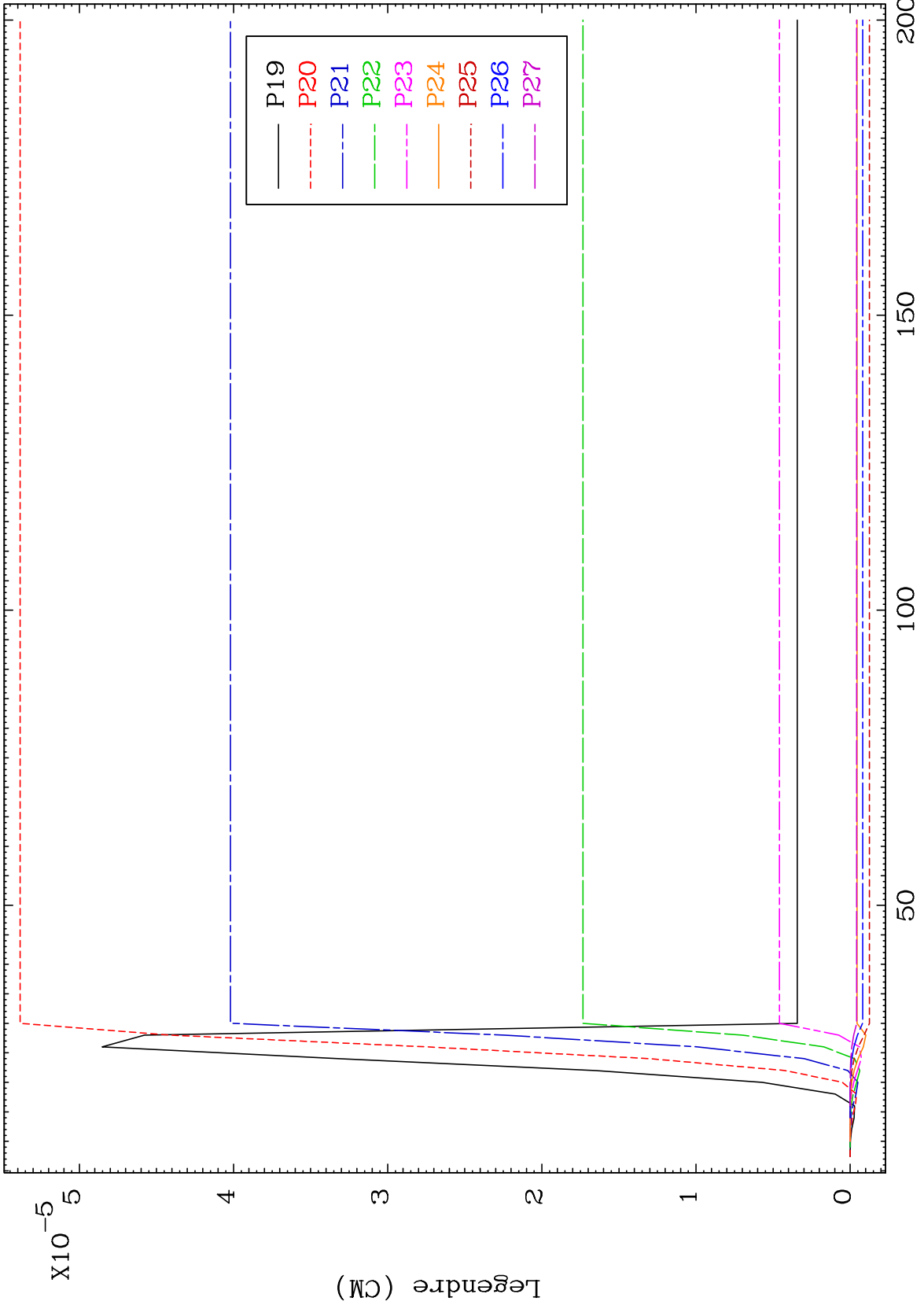
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



35

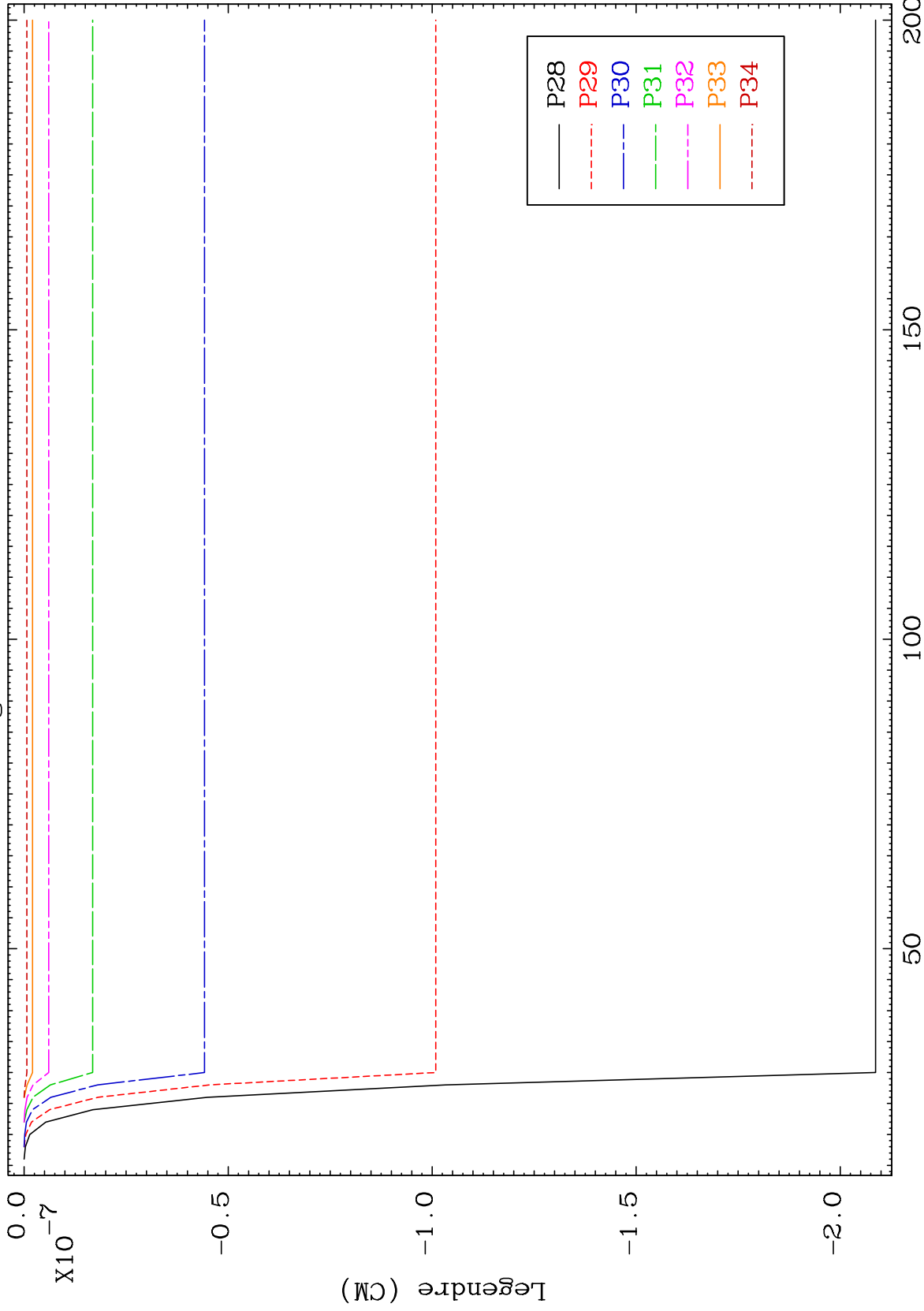
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



36

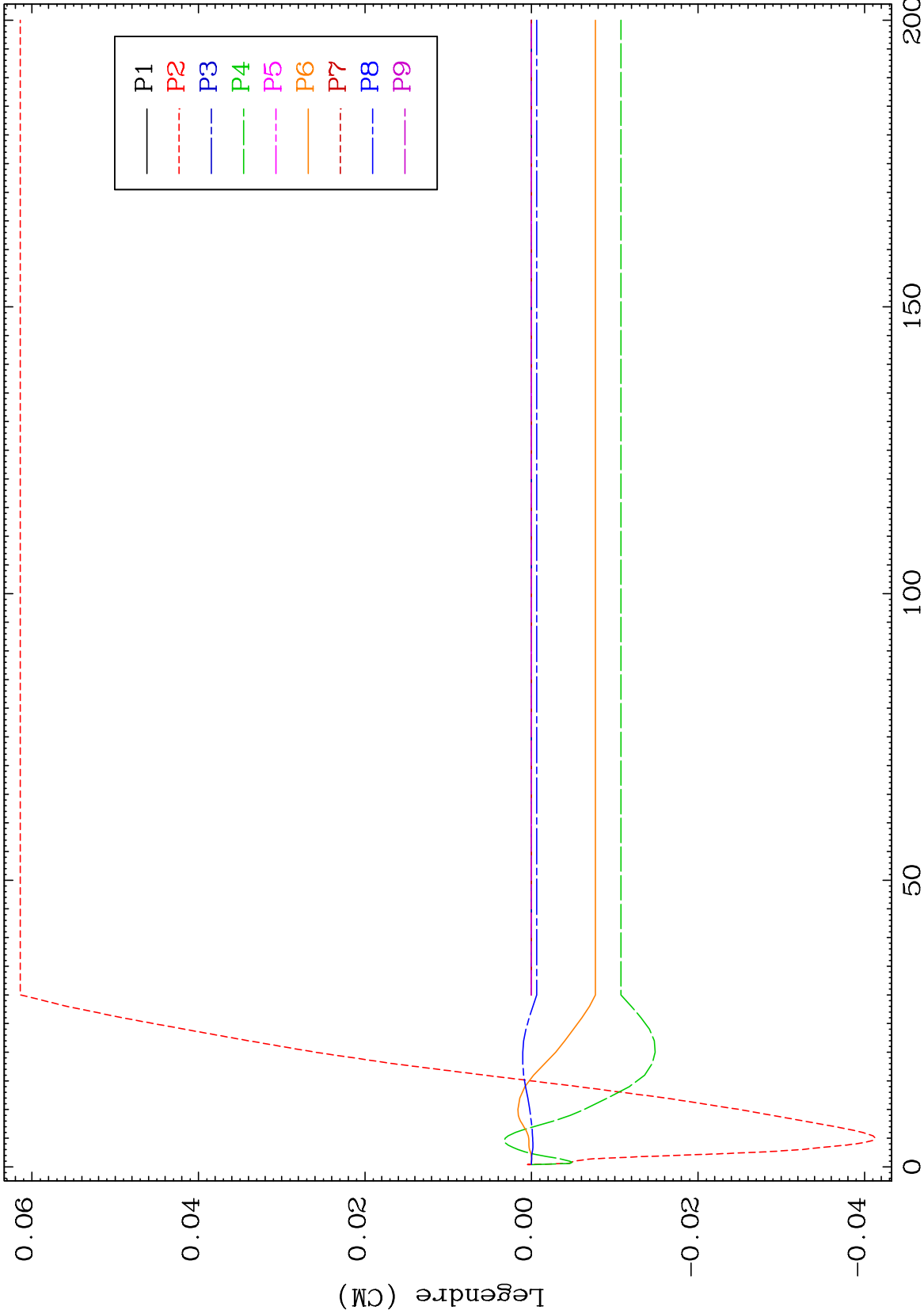
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



37

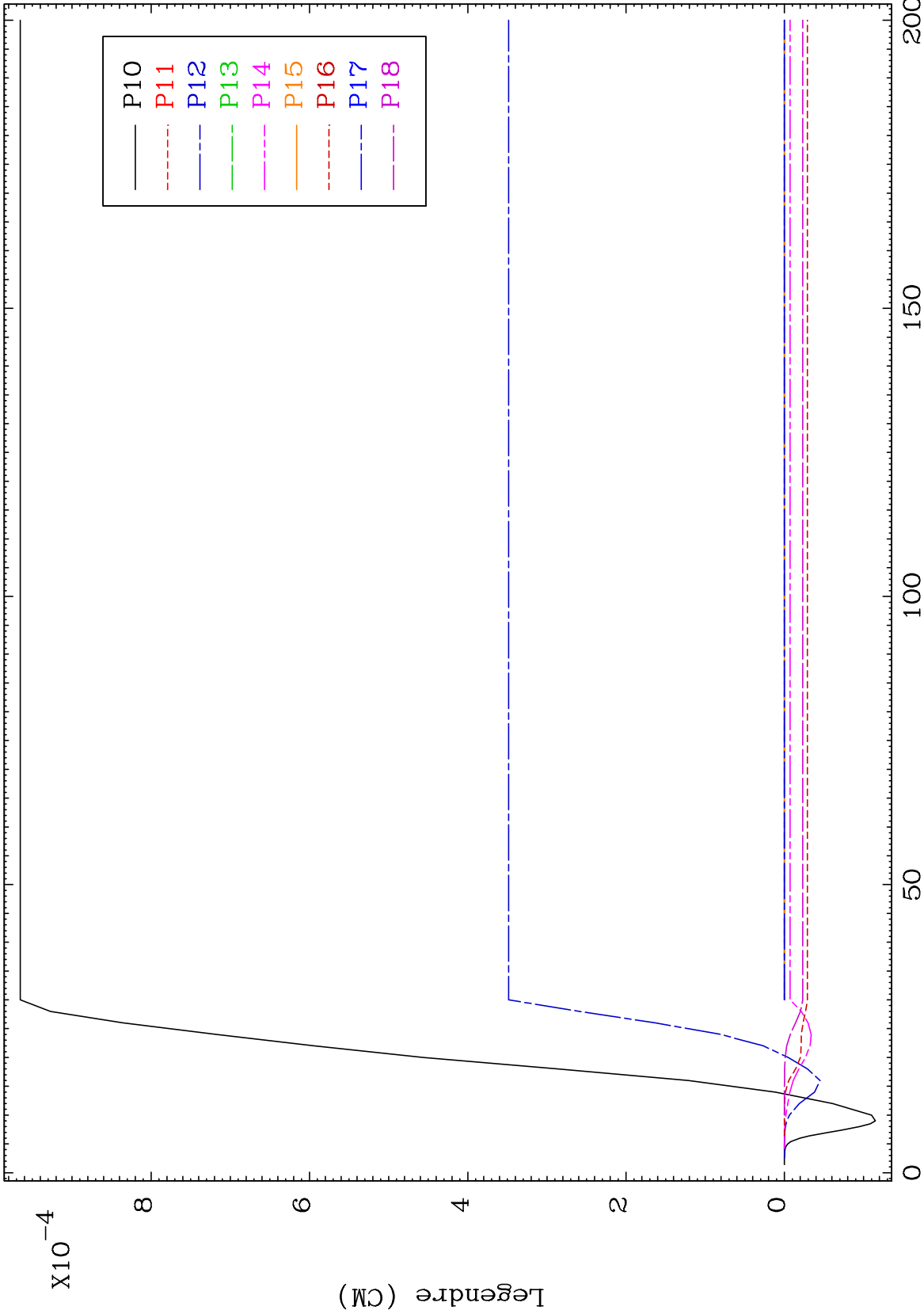
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



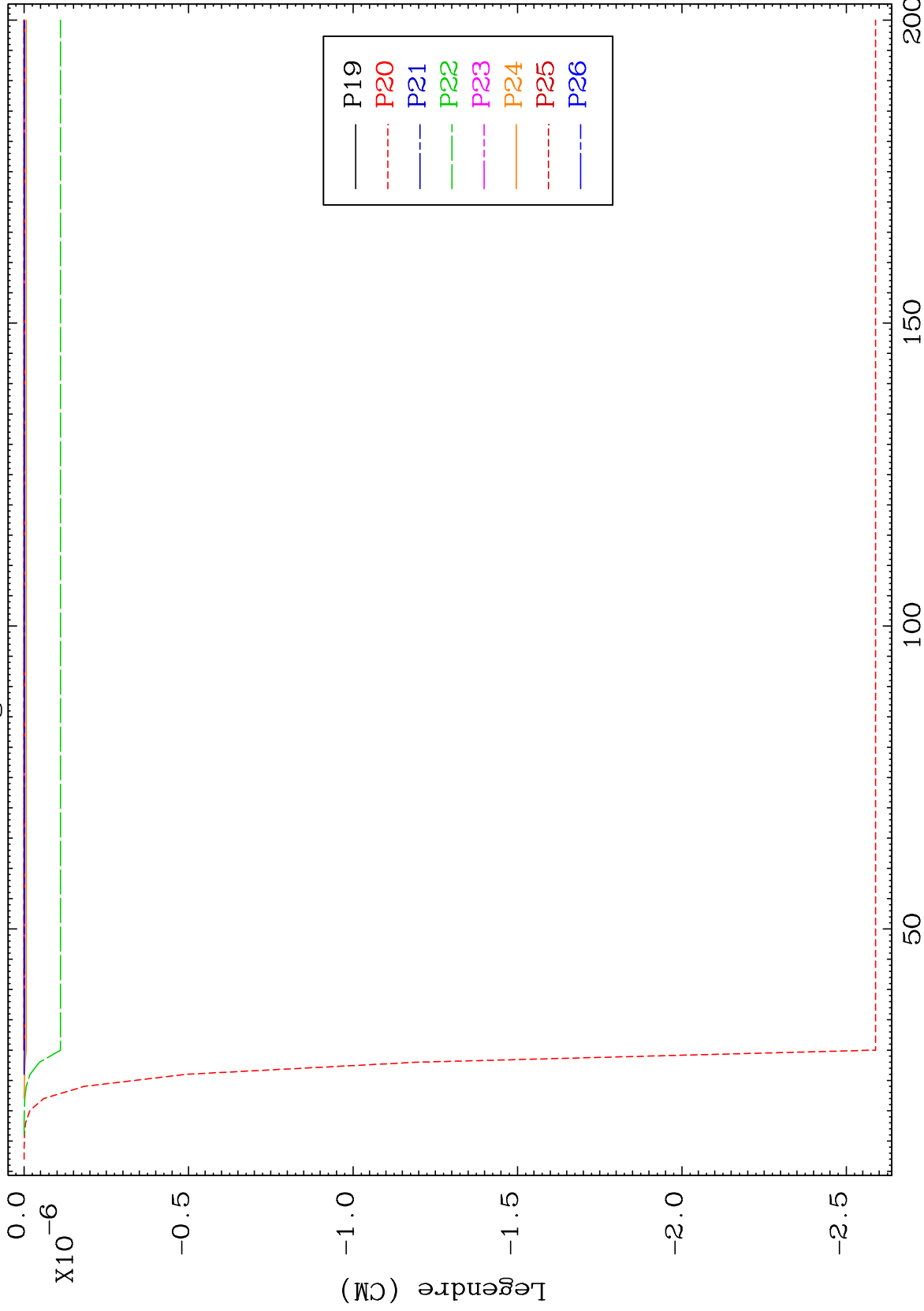
38

59-Pr-138

MAT 5916

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

59-Pr-138



39

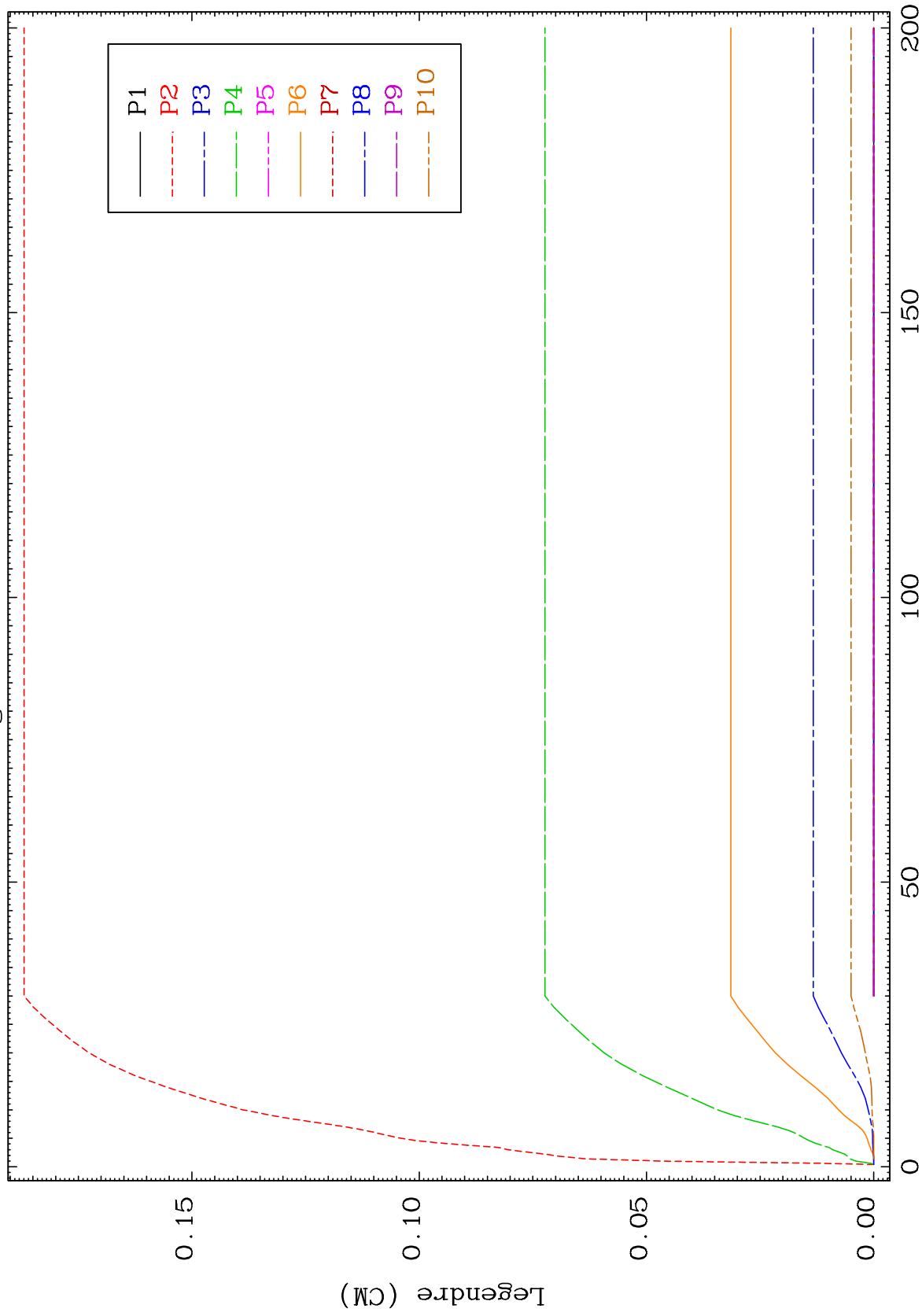
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



59-Pr-138

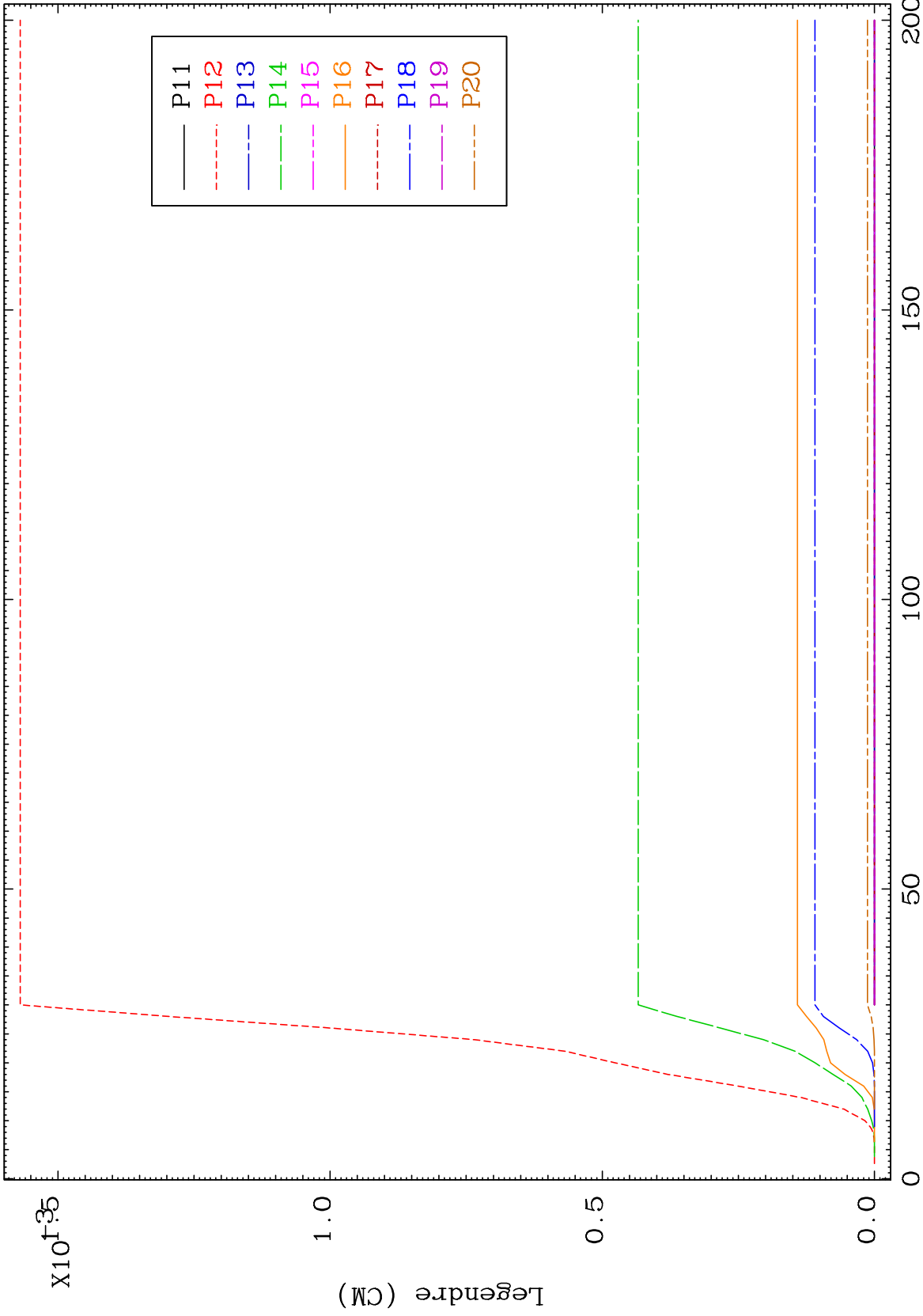
Incident Energy (MeV)

Legendre (CM)

MAT 5916

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

59-Pr-138



41

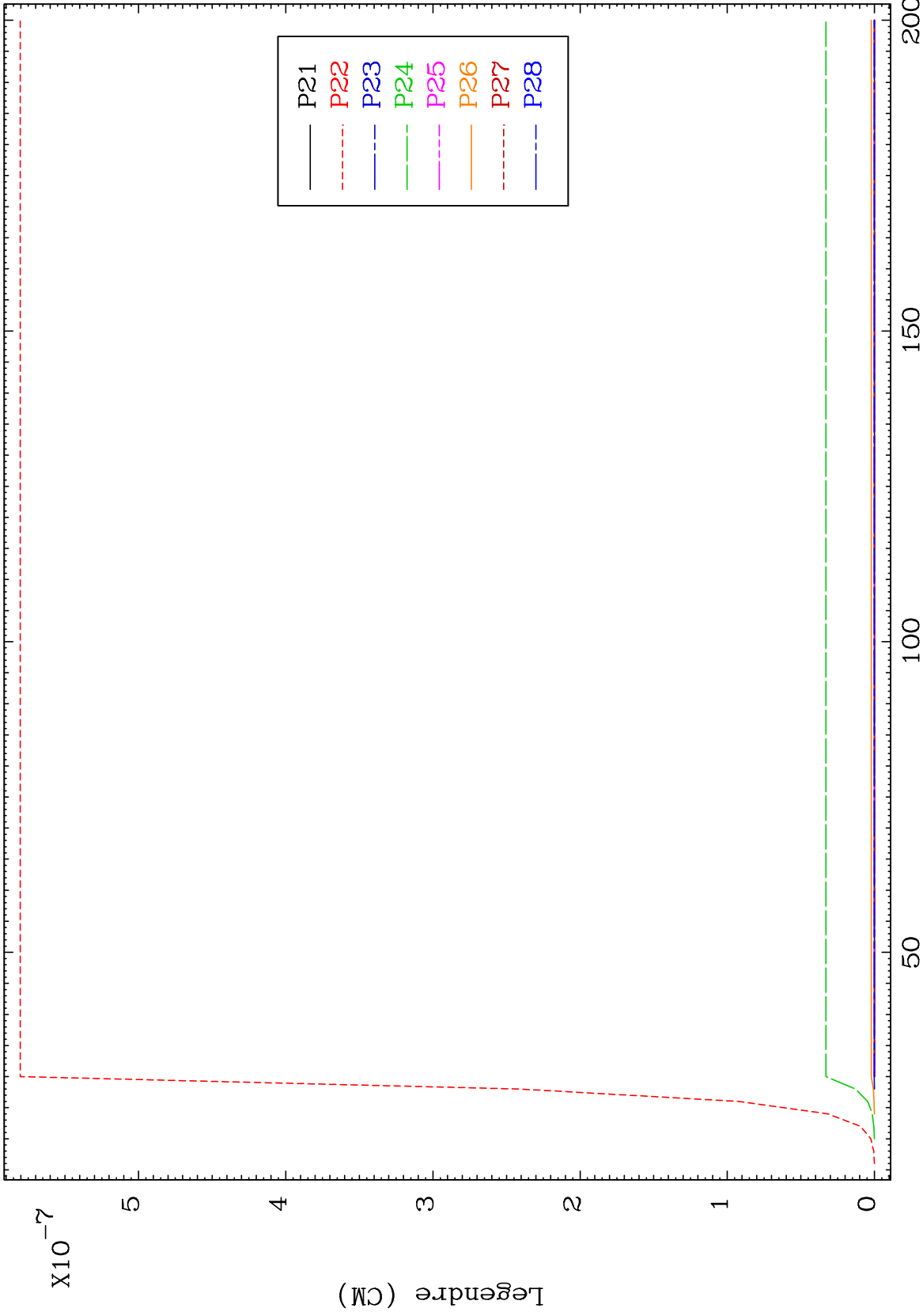
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



42

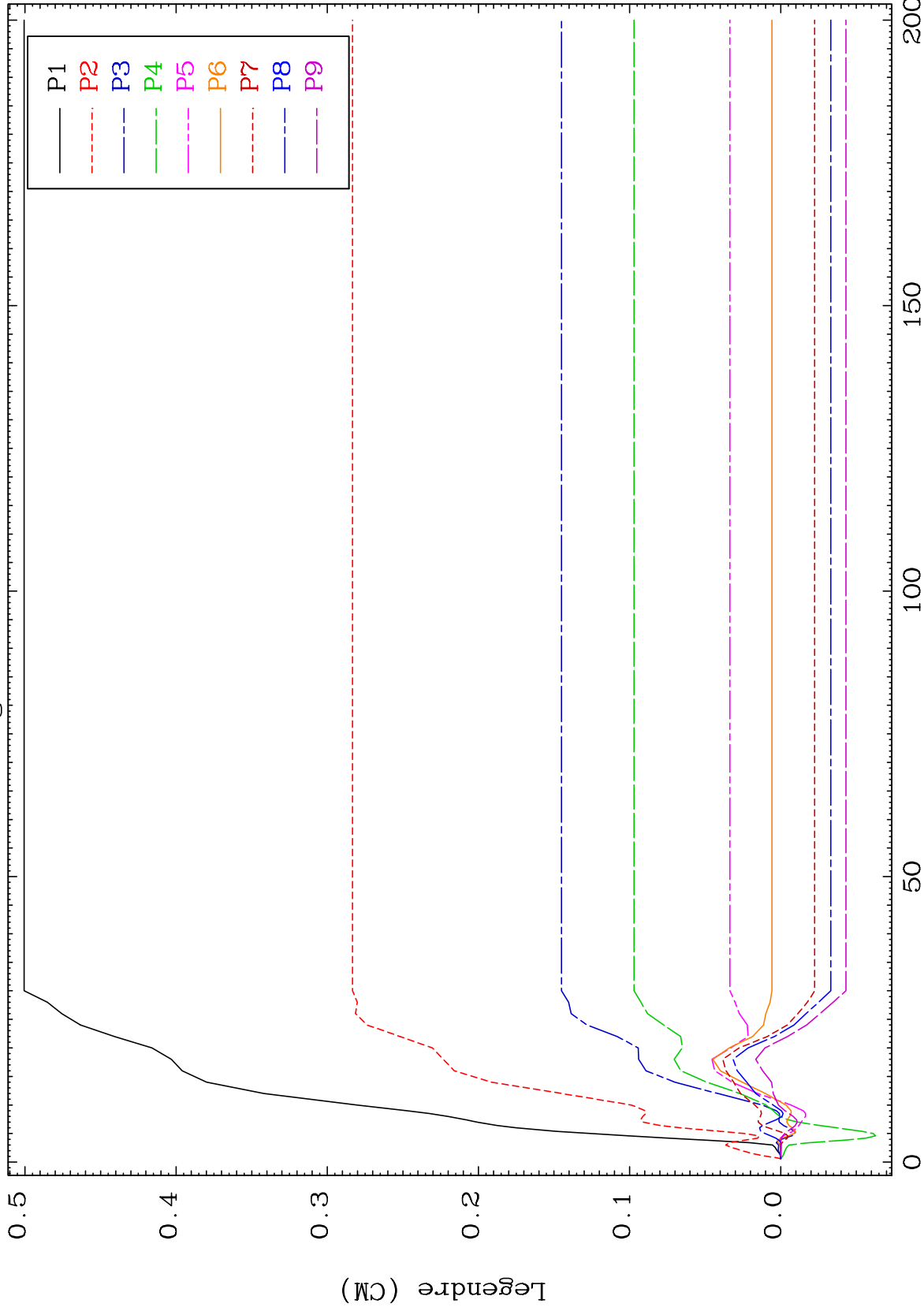
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



43

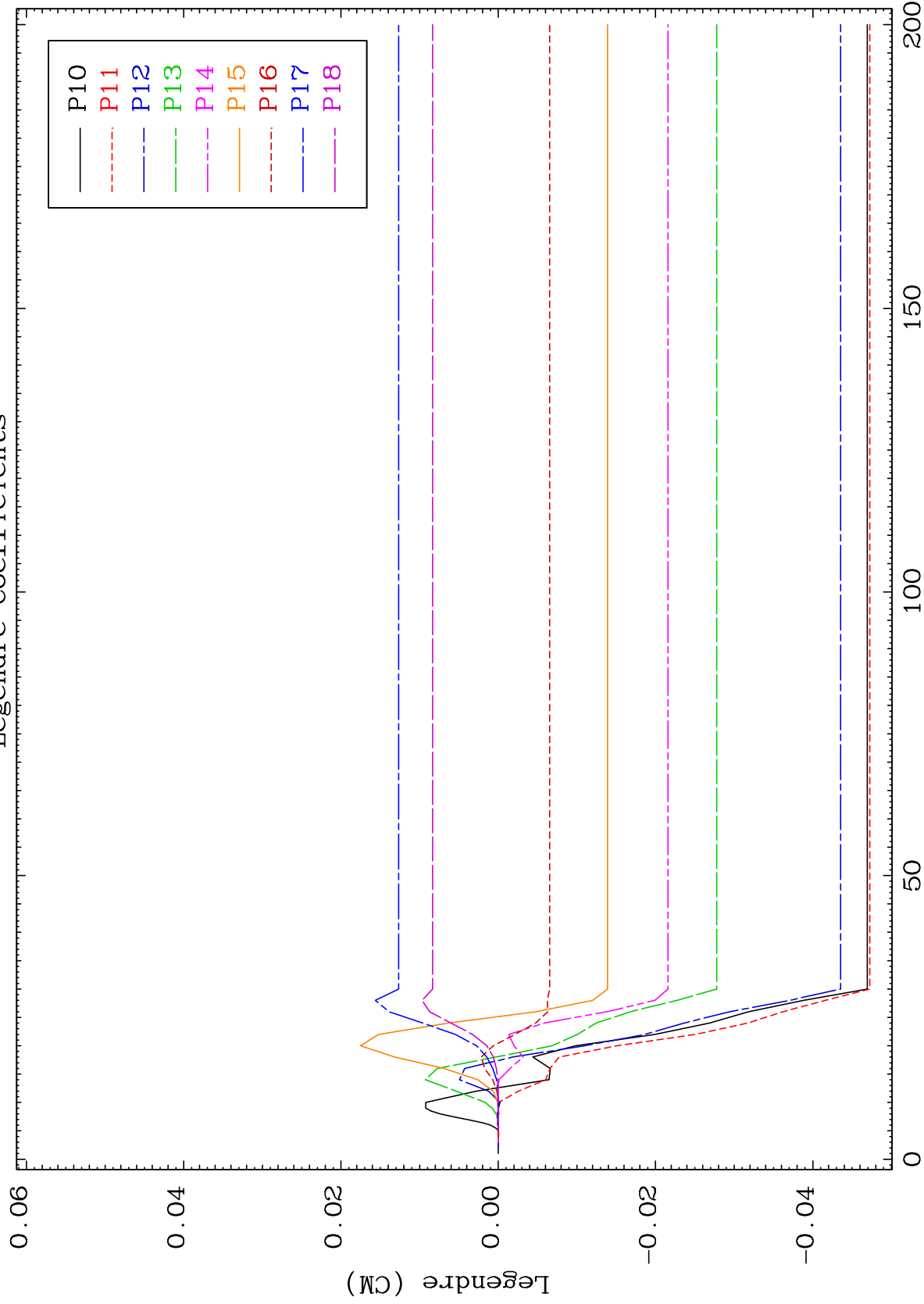
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59-Pr-138

MAT 5916

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

59-Pr-138



44

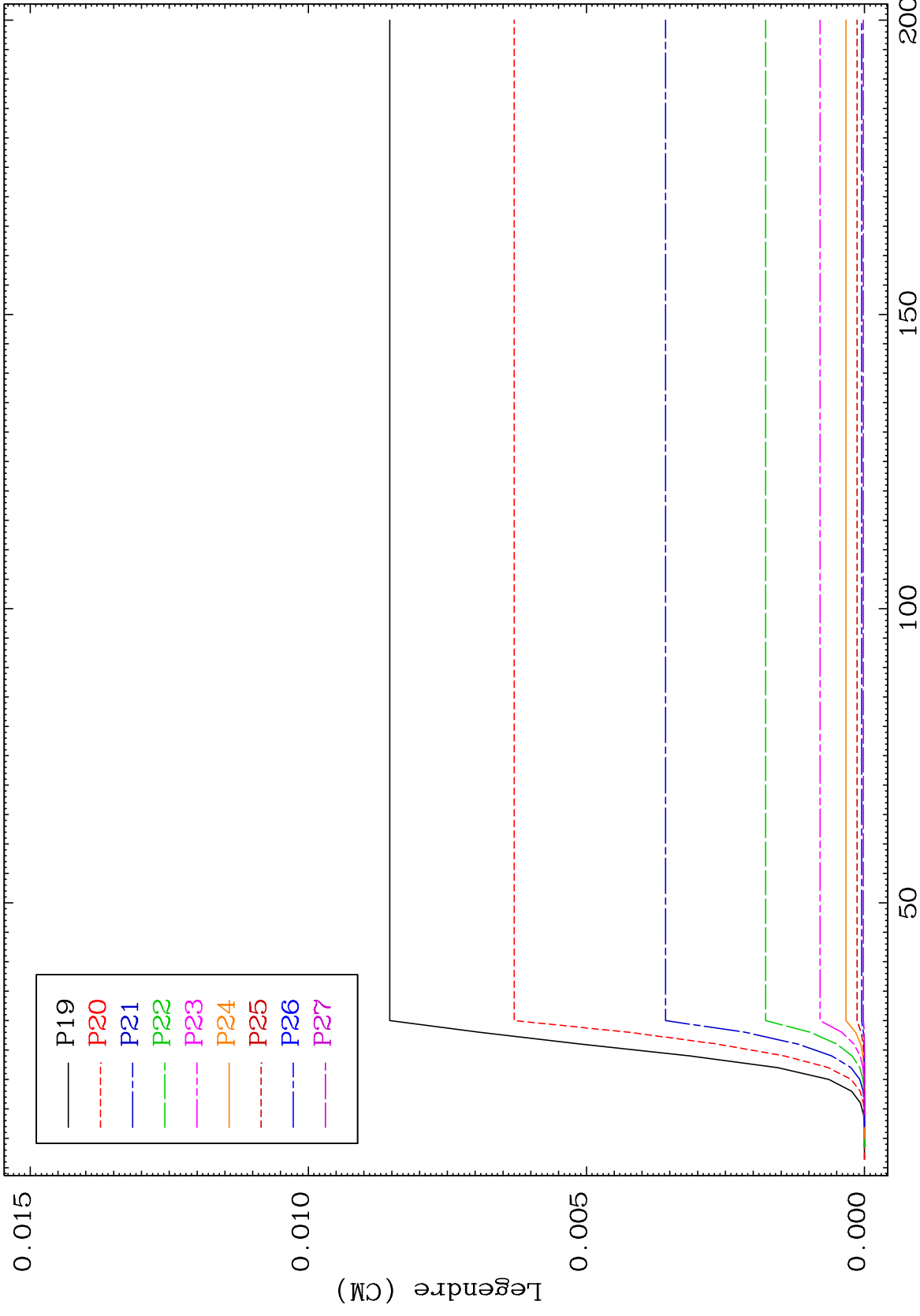
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



45

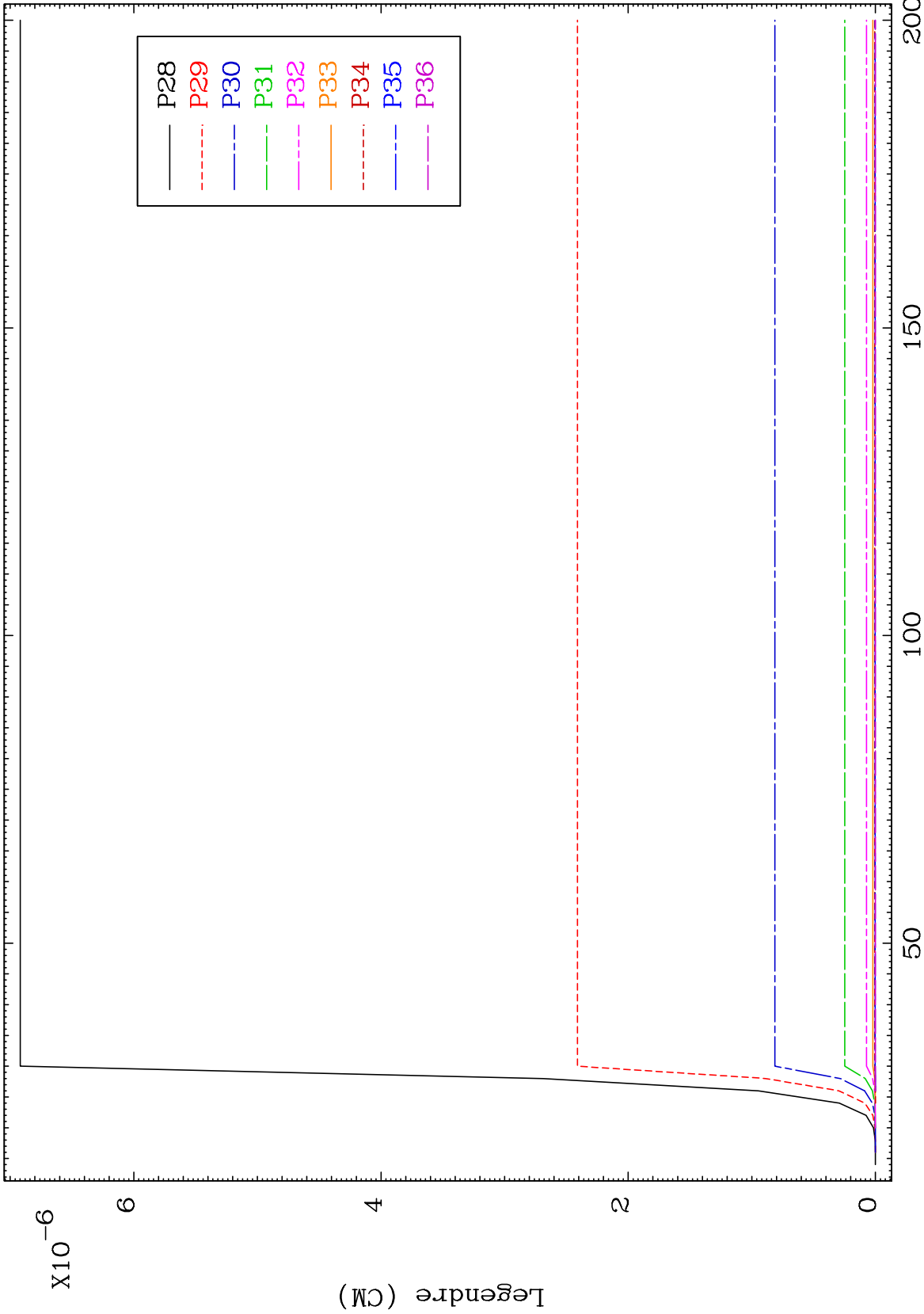
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

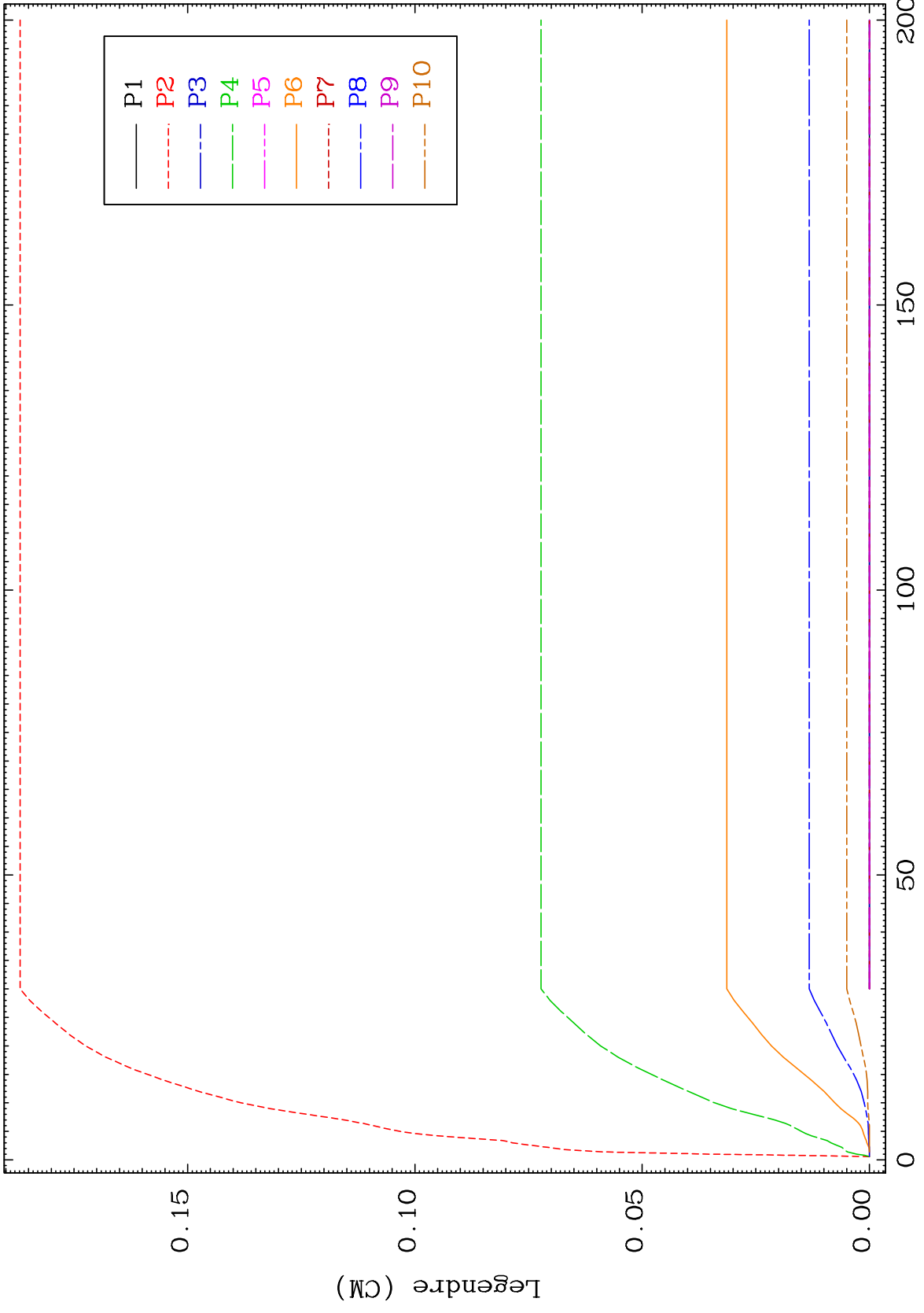
59-Pr-138



MAT 5916

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

59-Pr-138



47

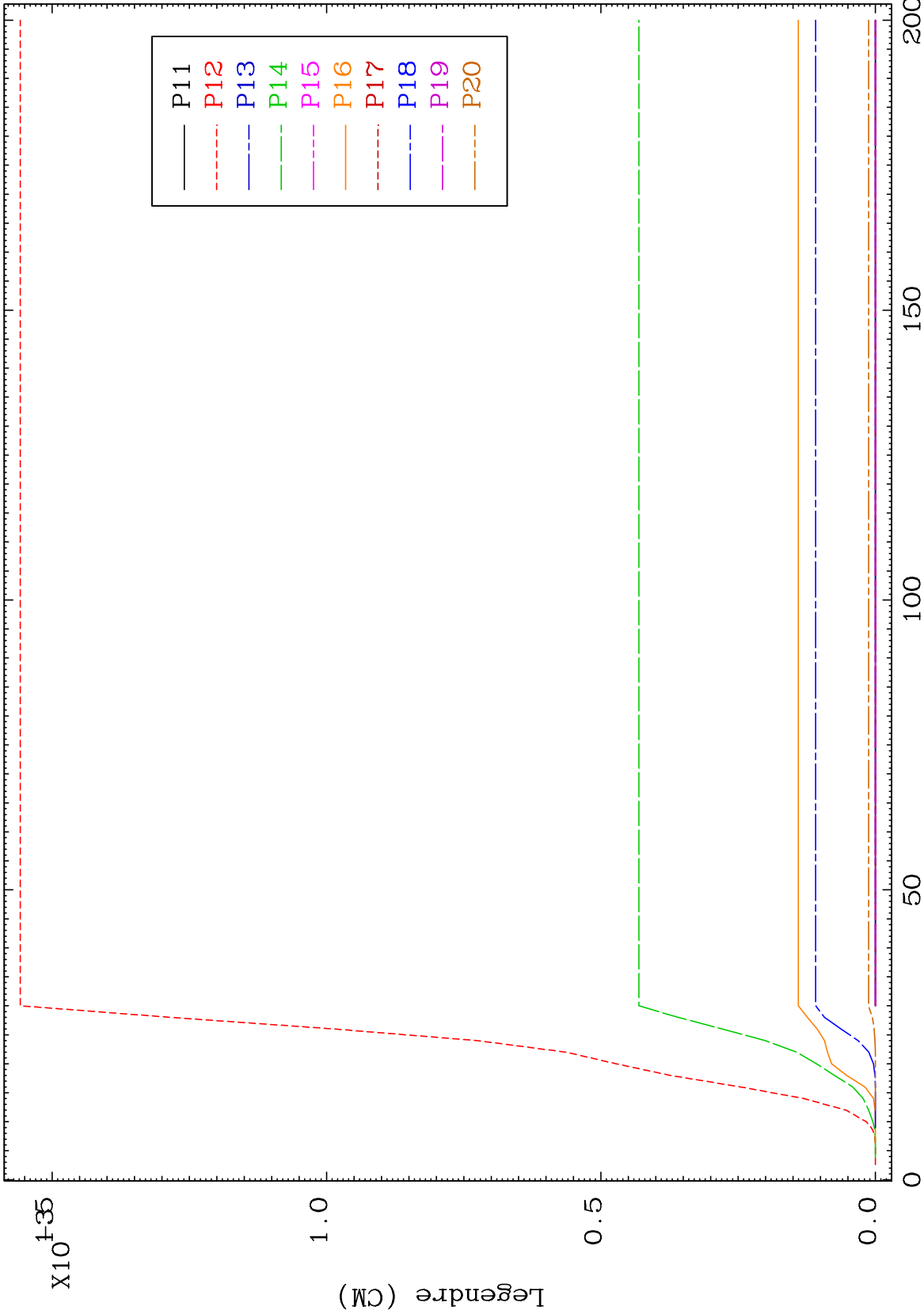
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



48

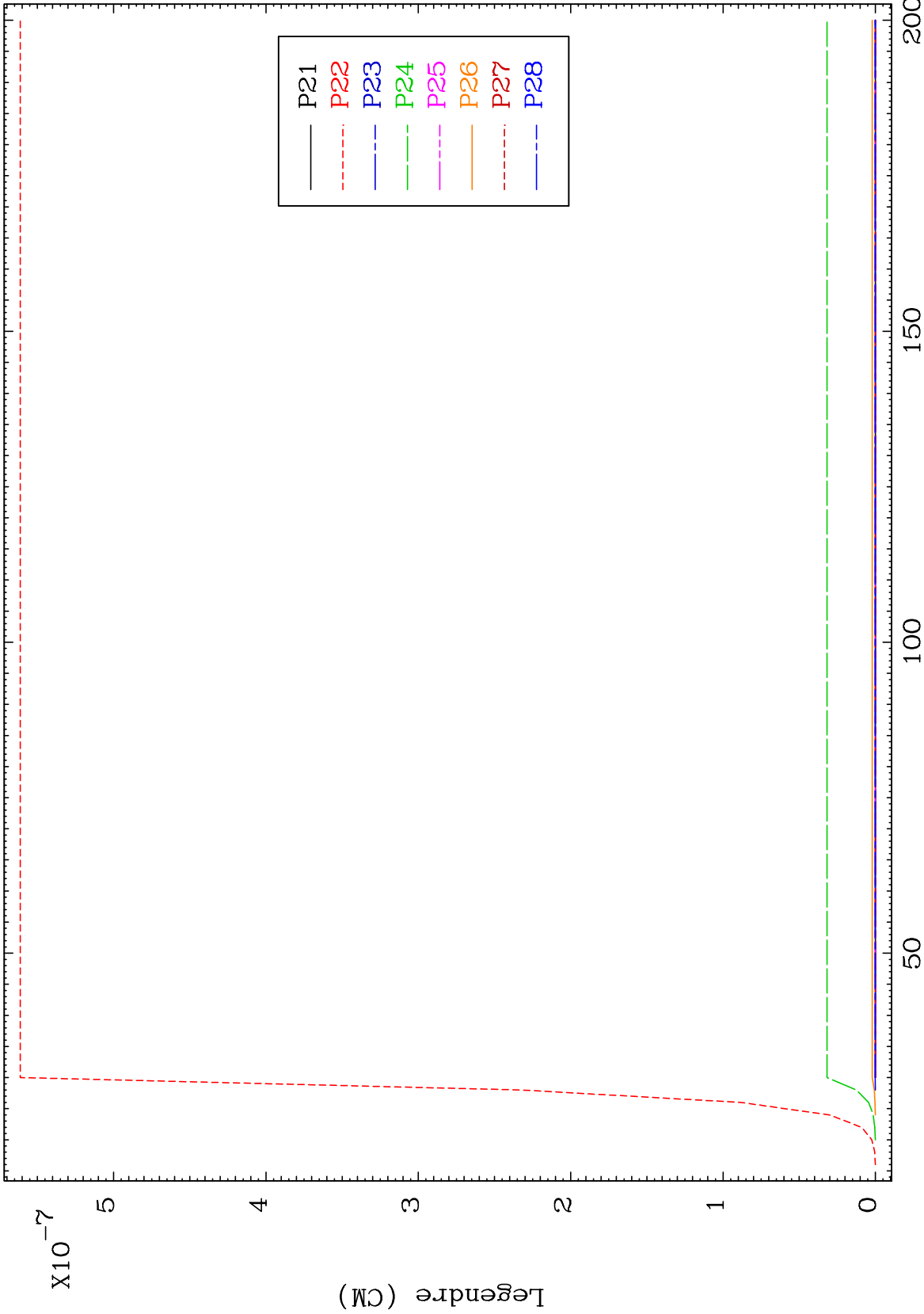
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



49

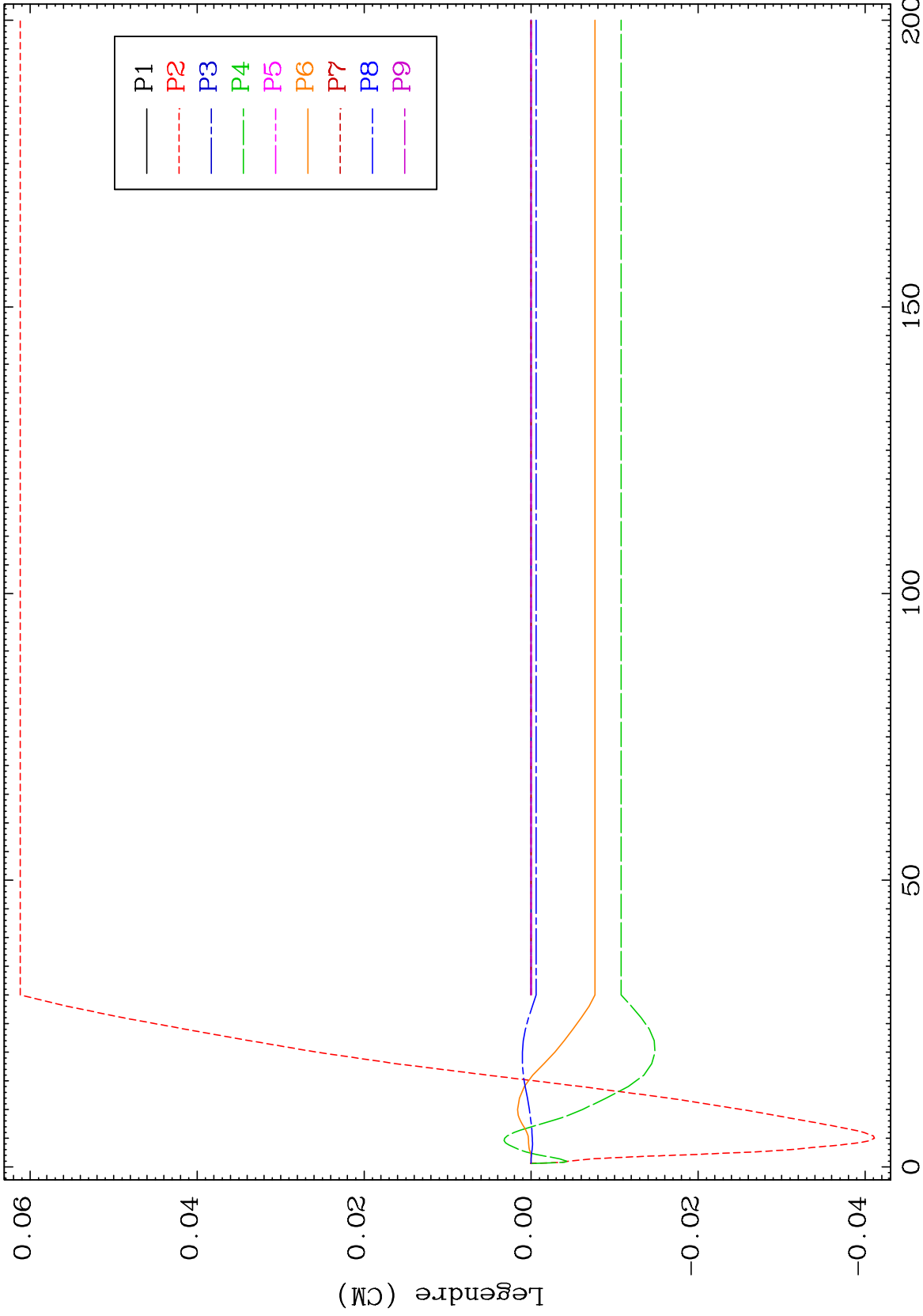
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



50

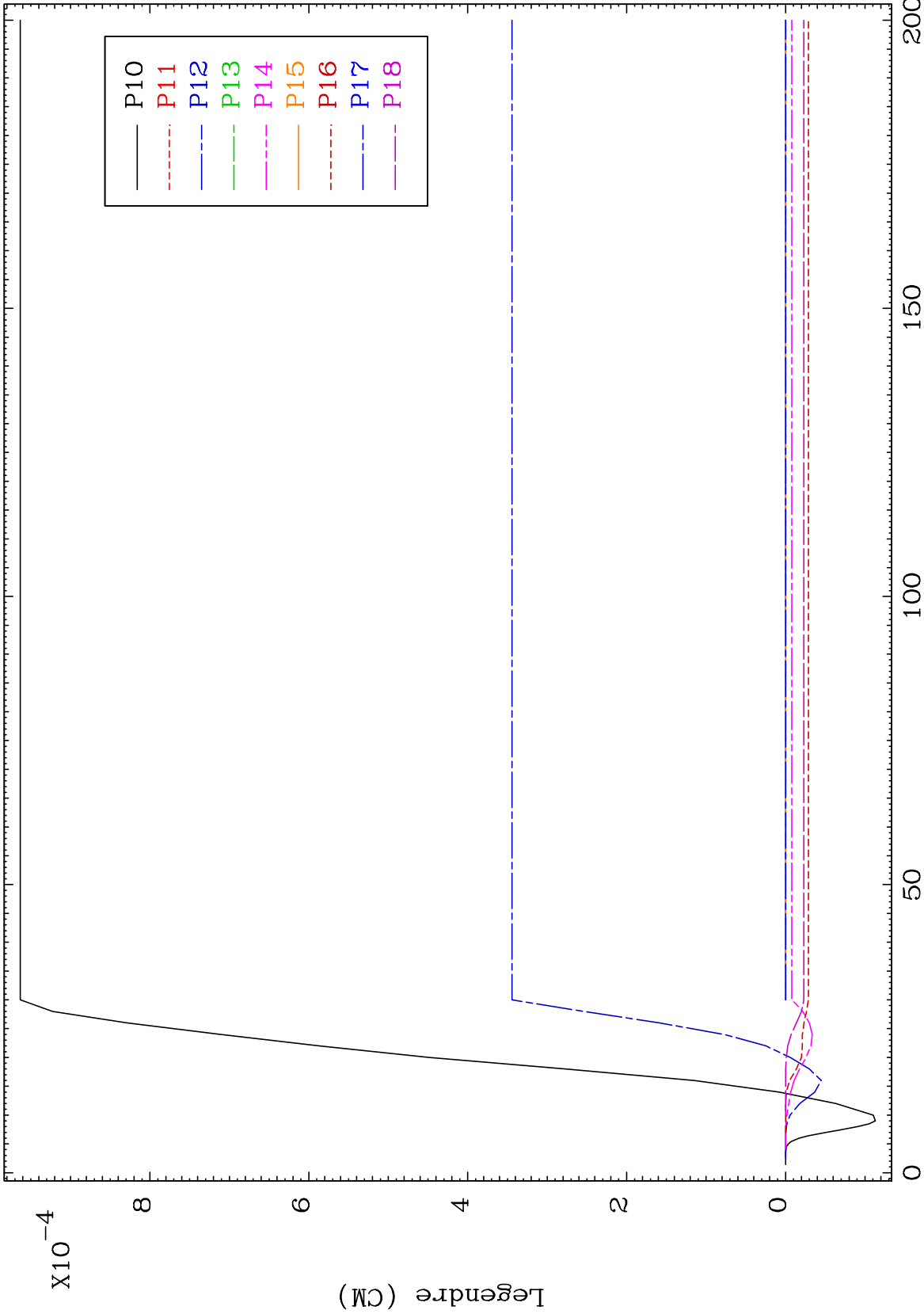
50

100

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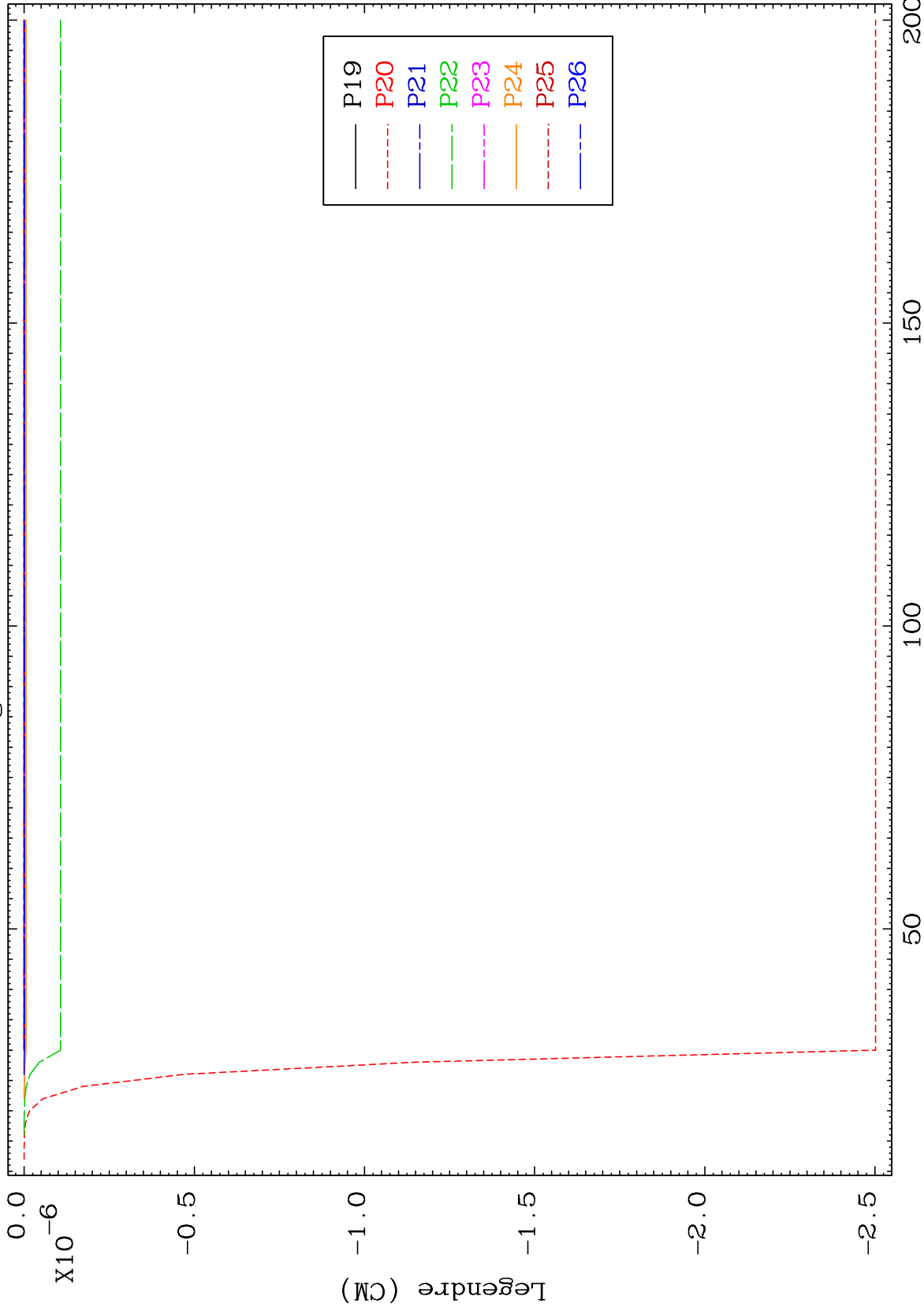
59-Pr-138



MAT 5916

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

59-Pr-138



52

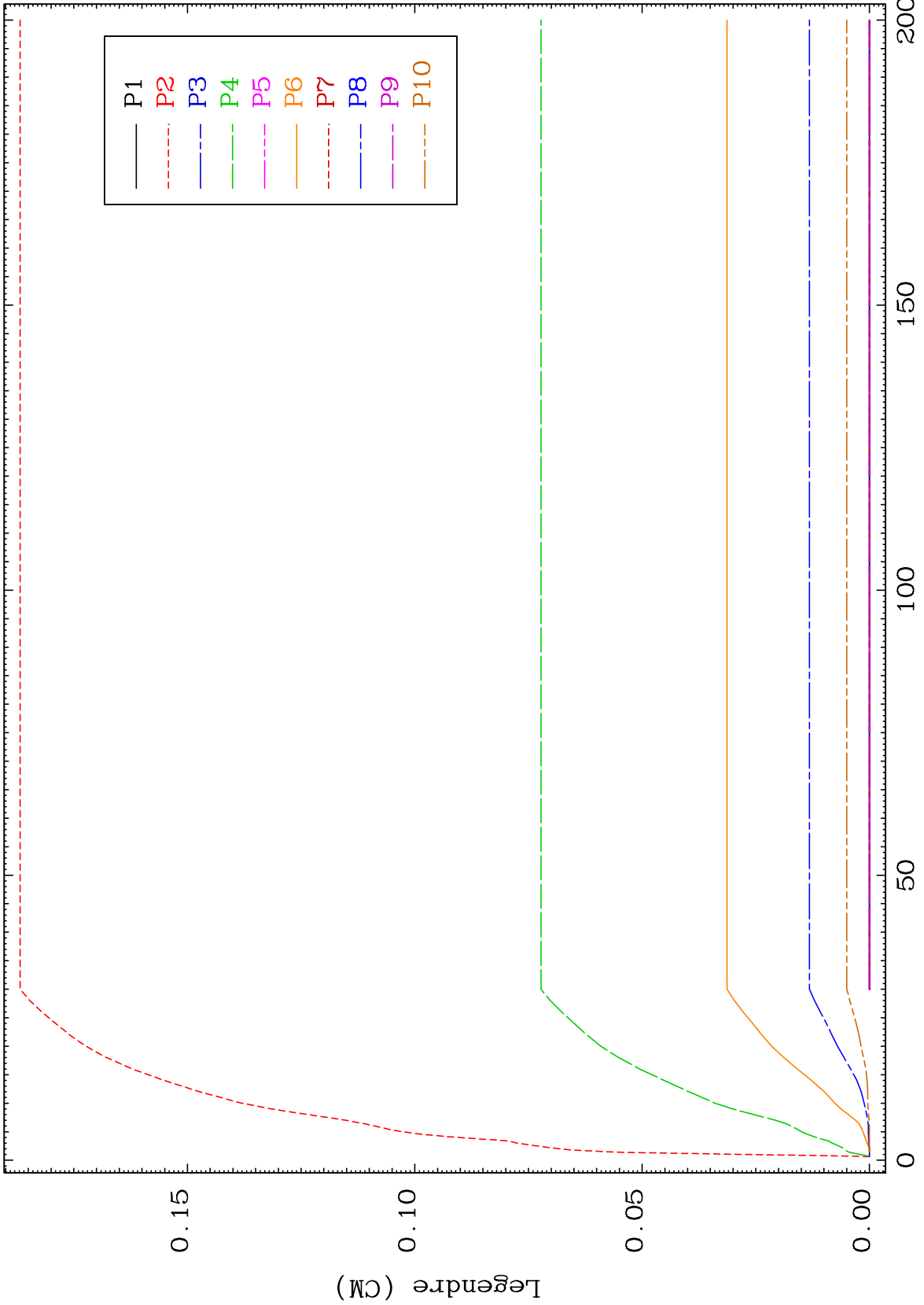
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



53

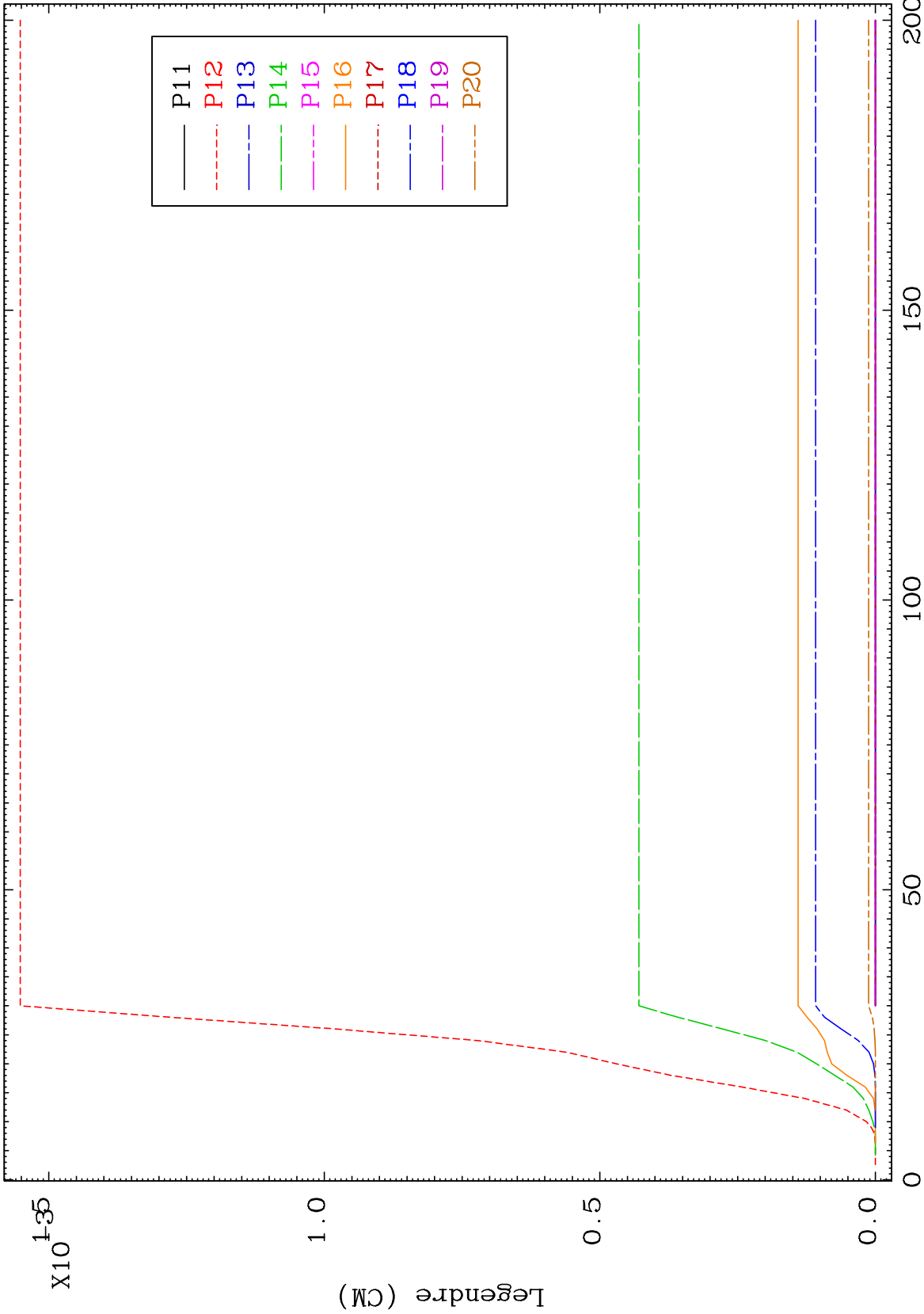
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



54

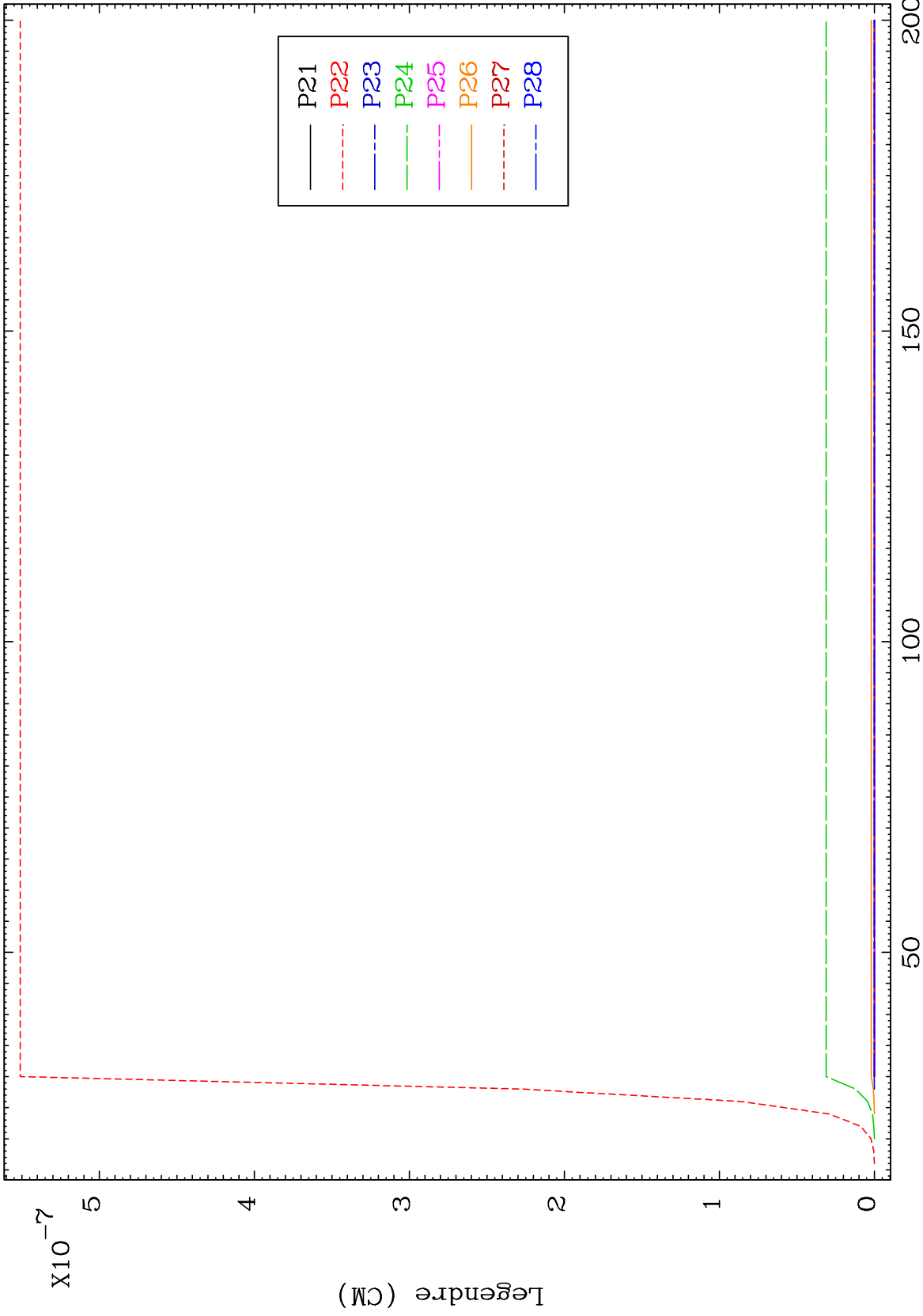
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



55

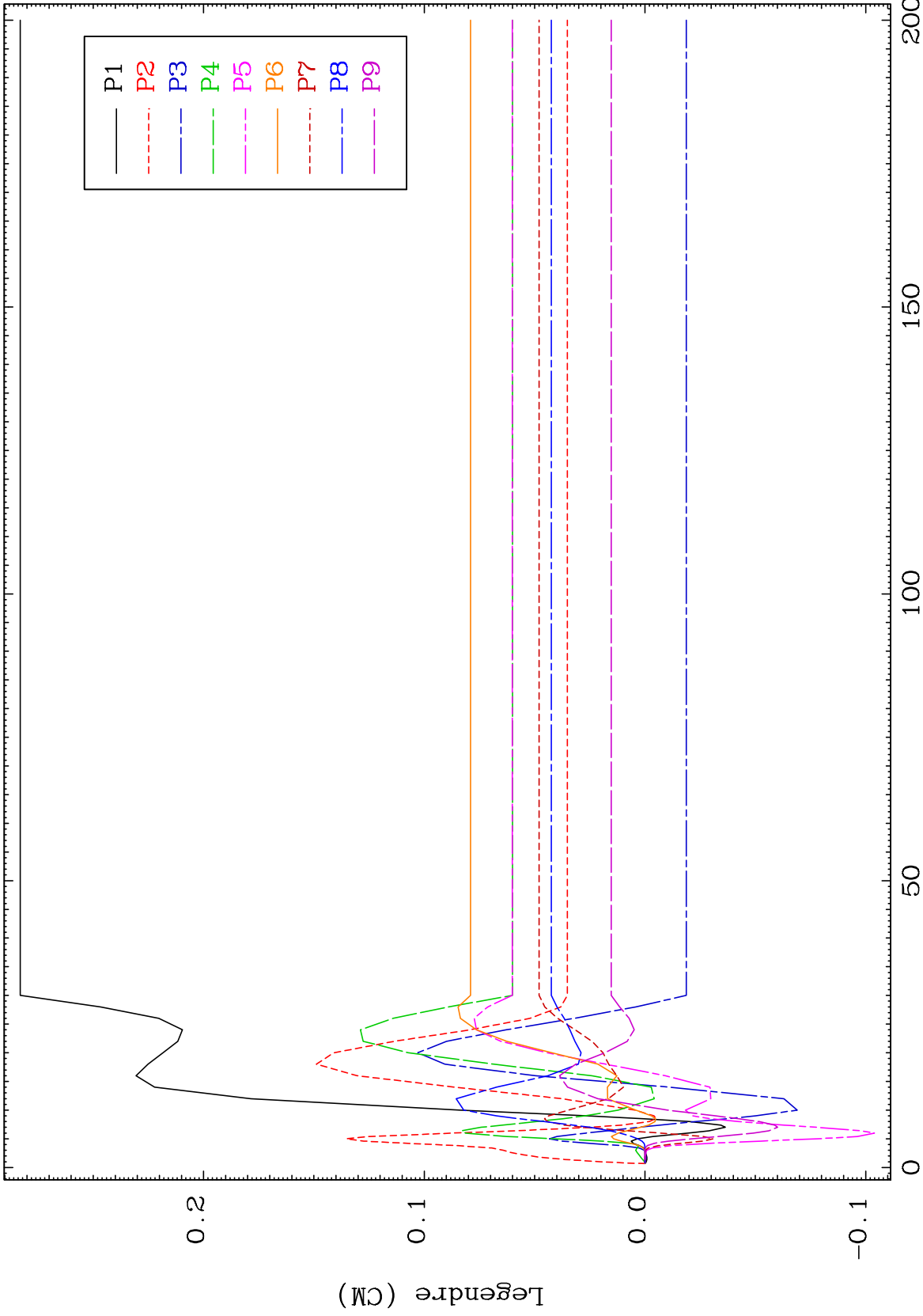
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



56

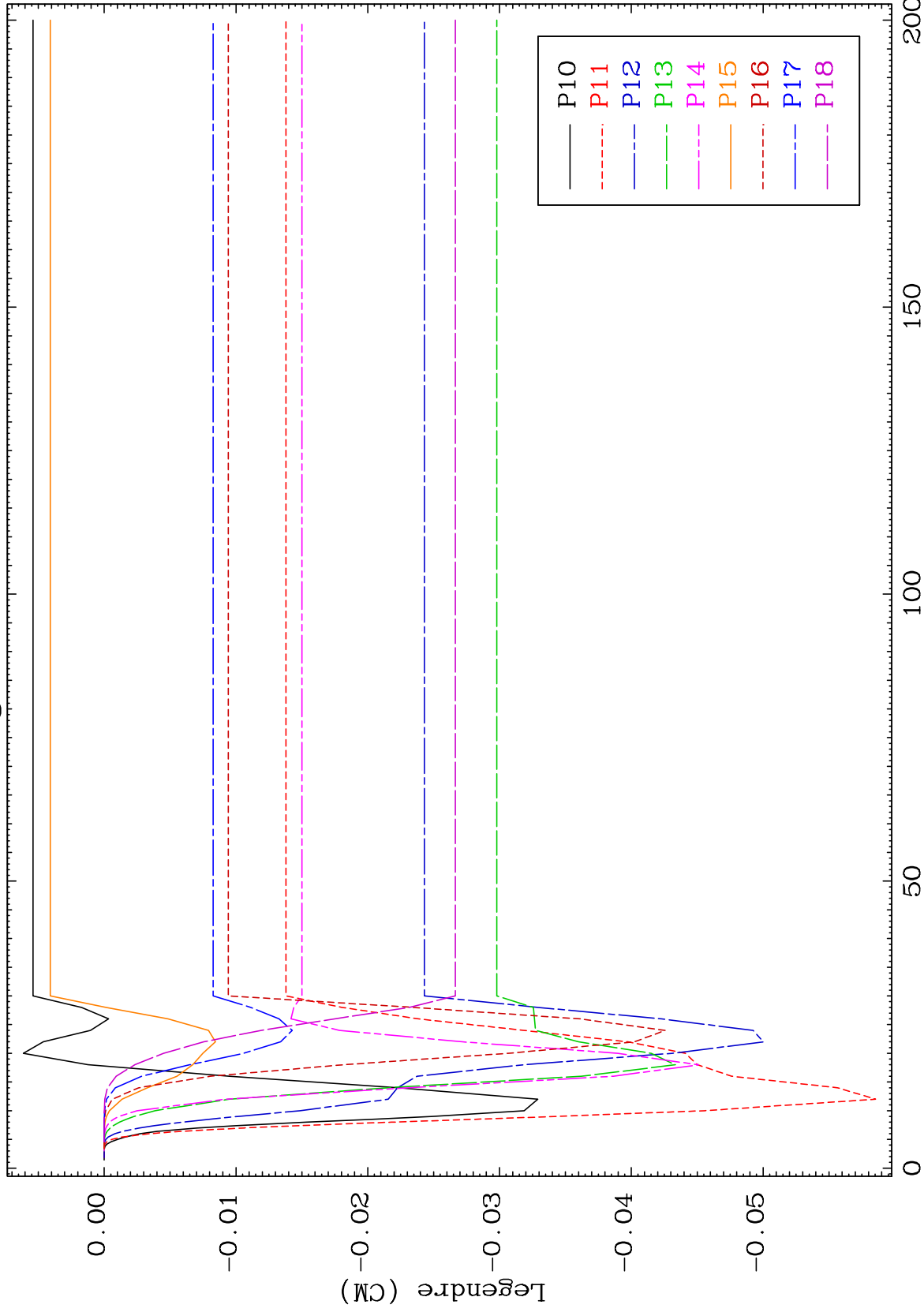
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



57

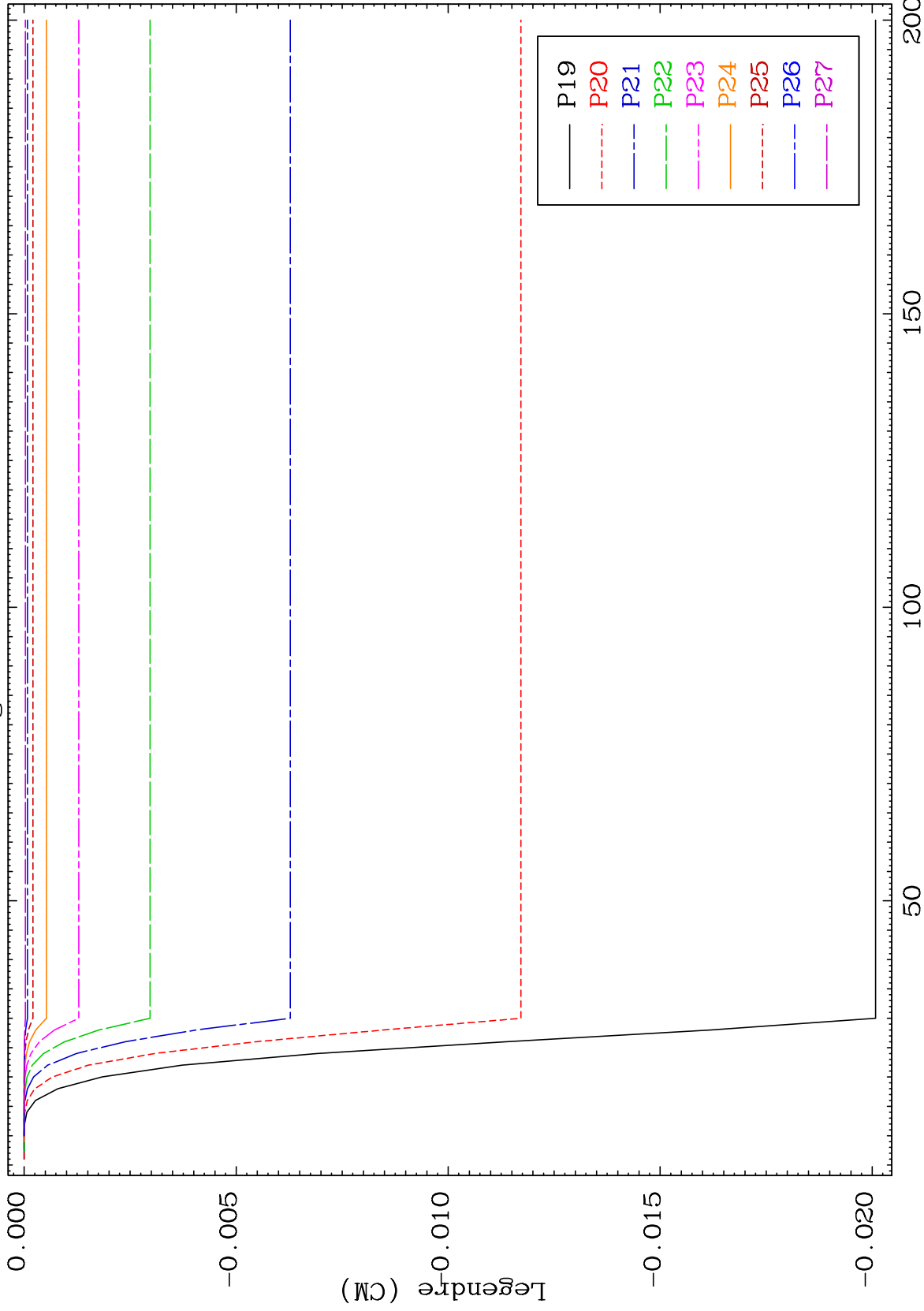
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



58

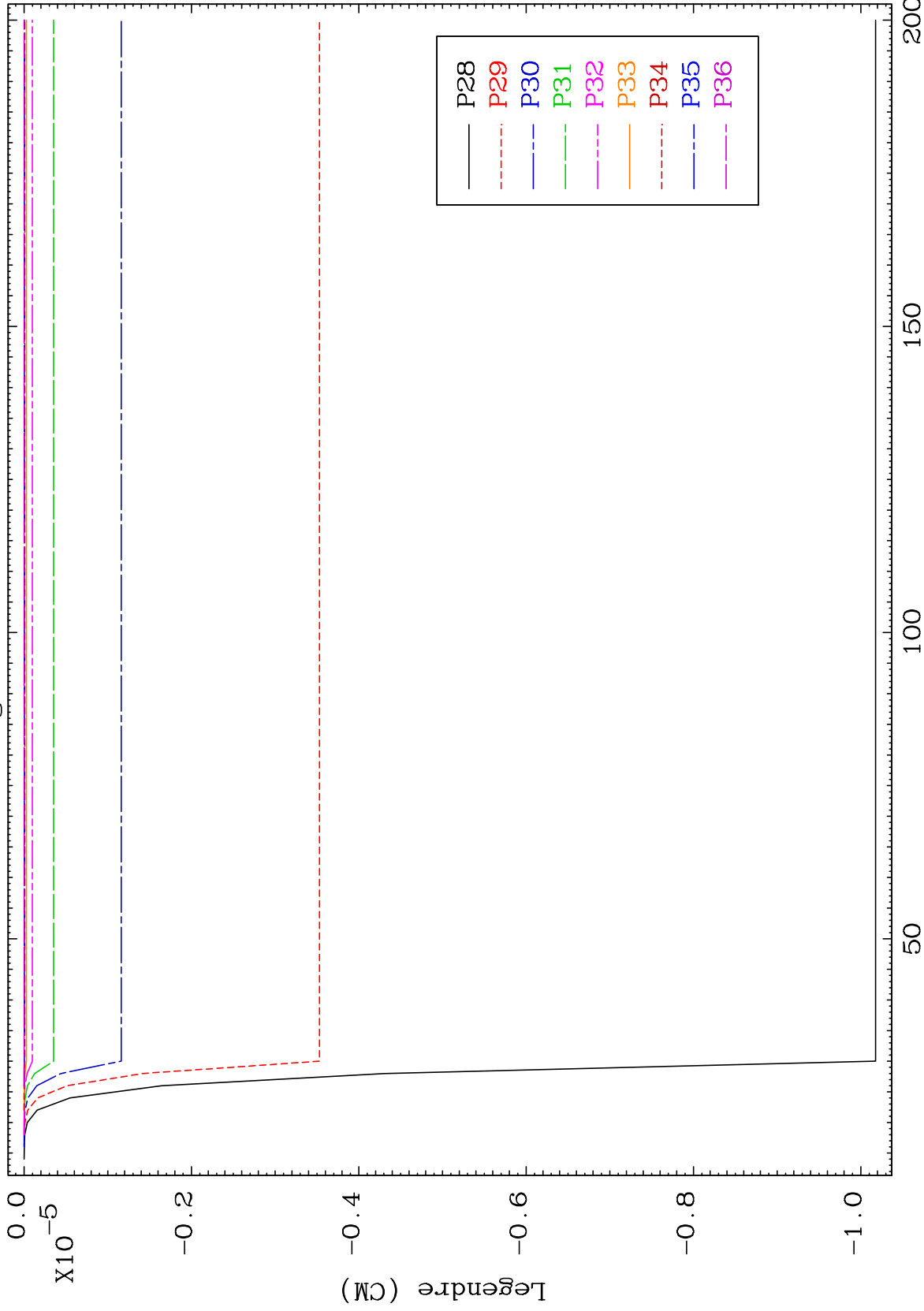
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



59

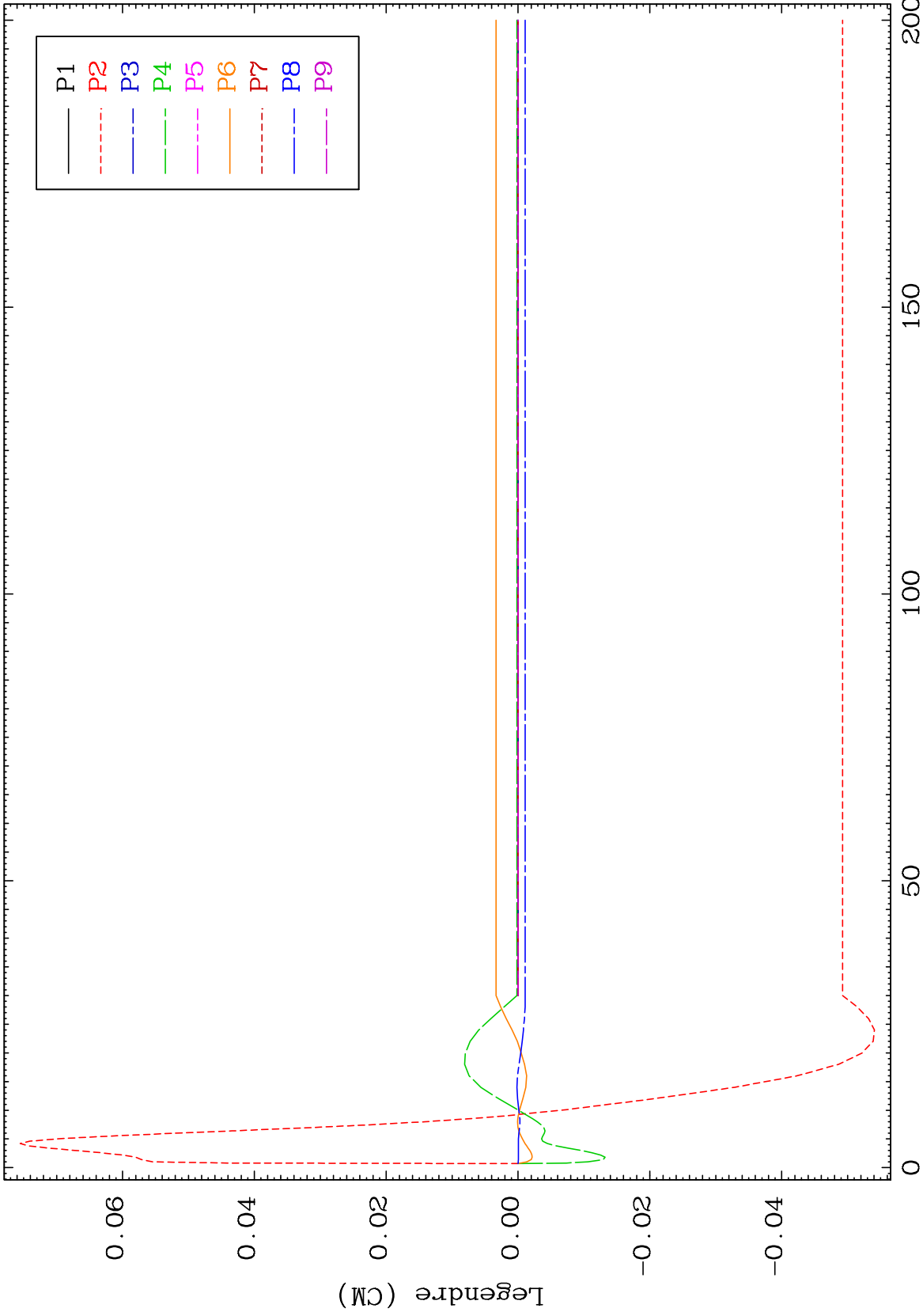
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



59-Pr-138

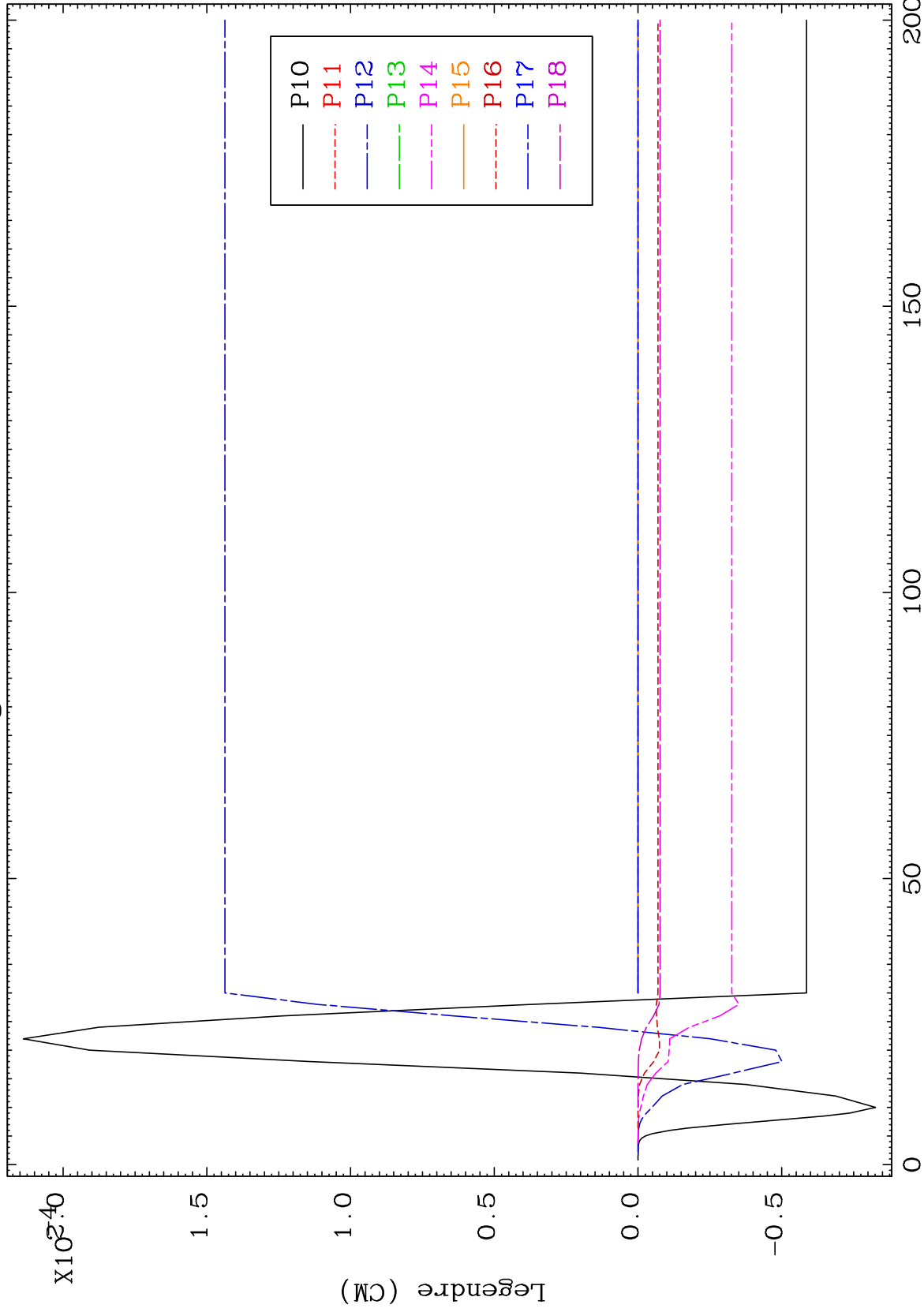
Incident Energy (MeV)

60

MAT 5916

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

59-Pr-138



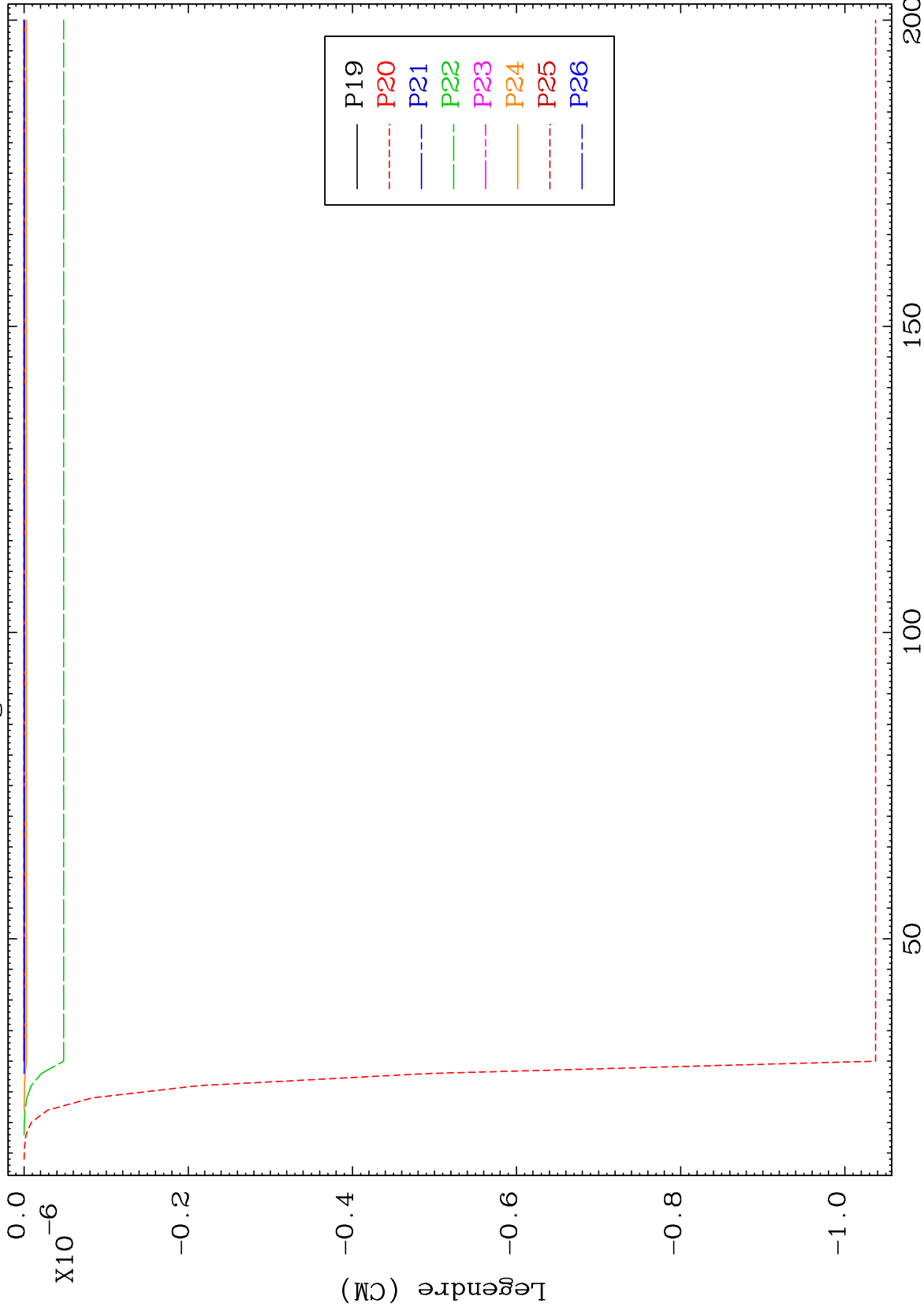
61

59-Pr-138

MAT 5916

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

59-Pr-138



62

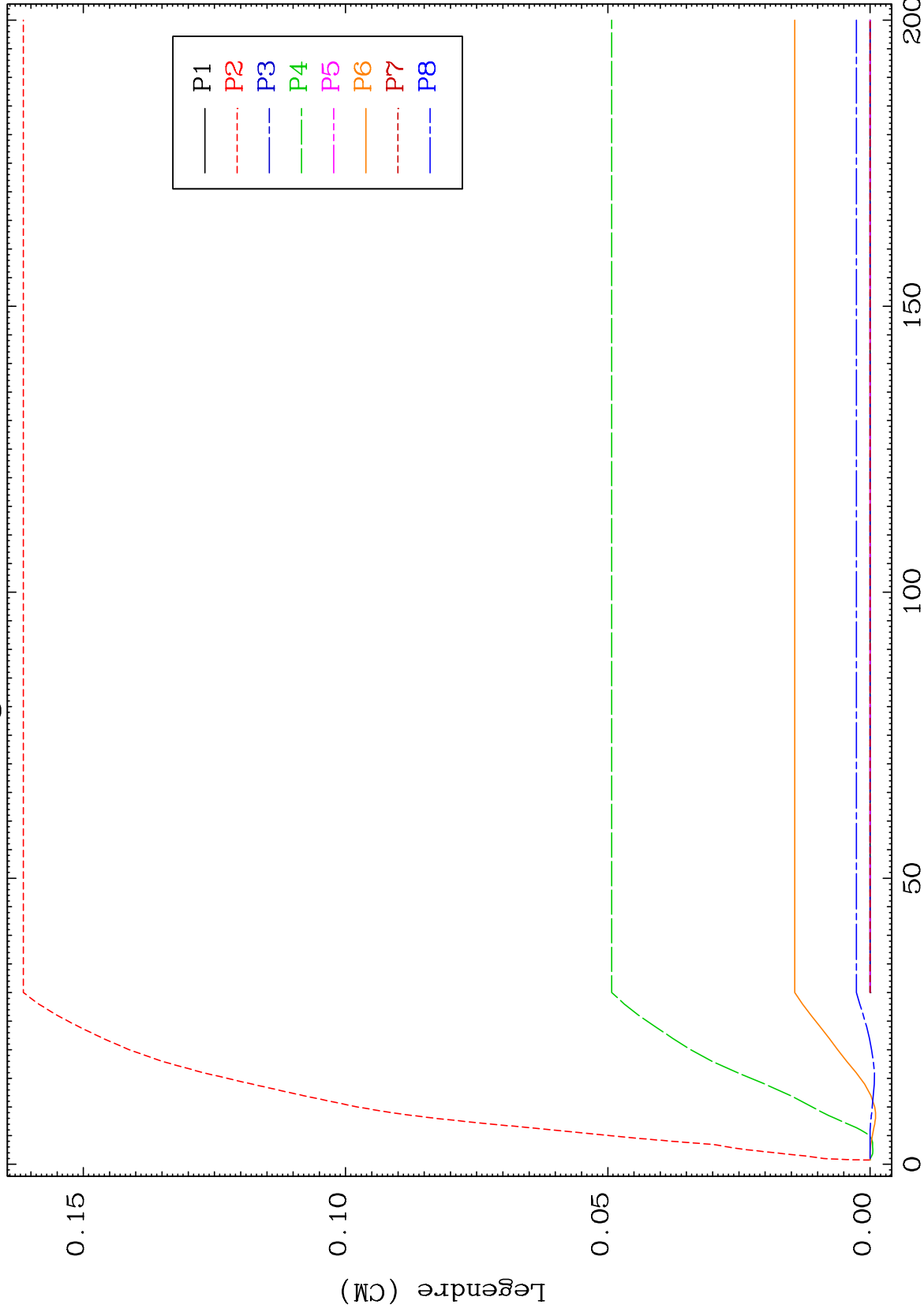
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



63

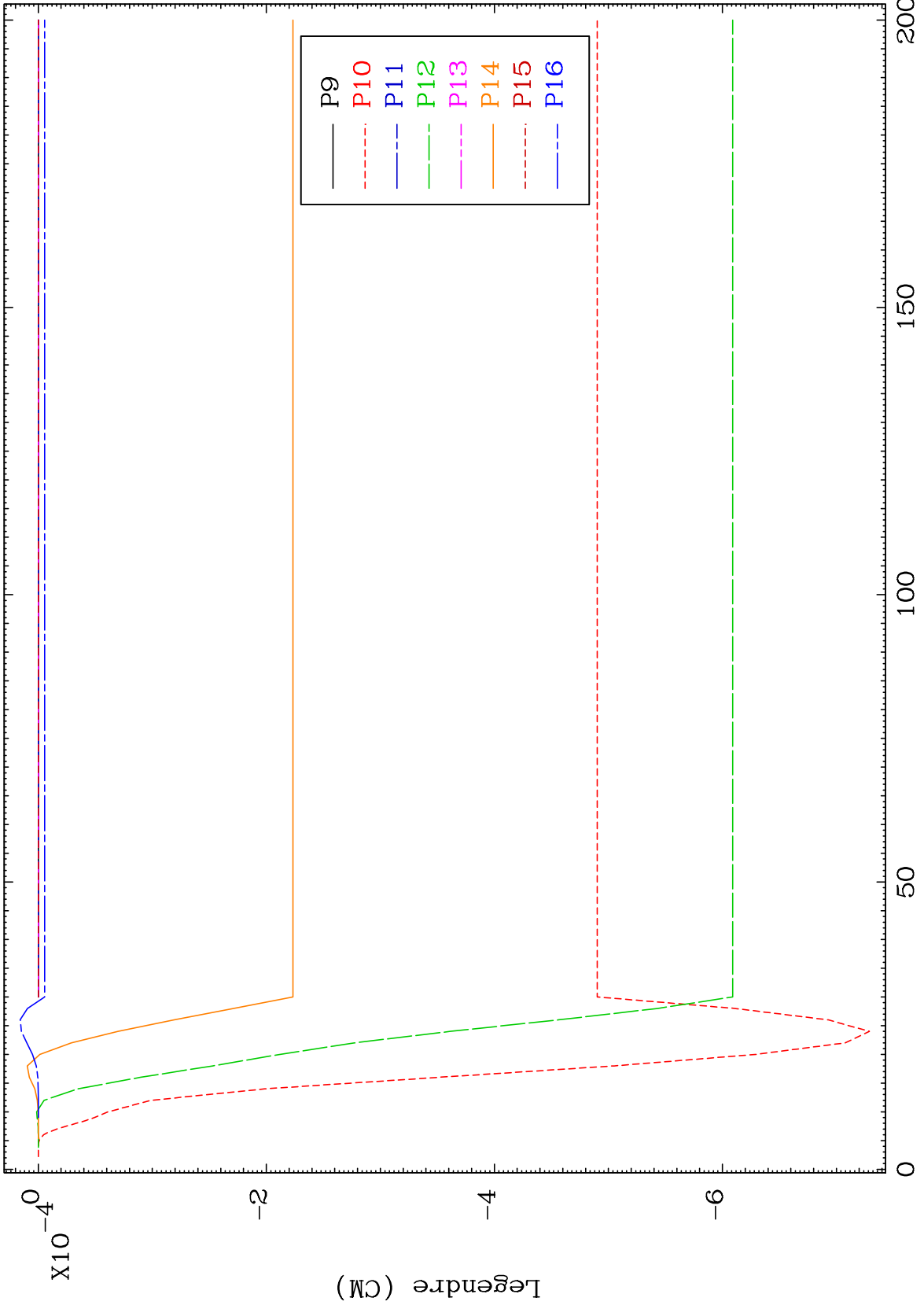
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



64

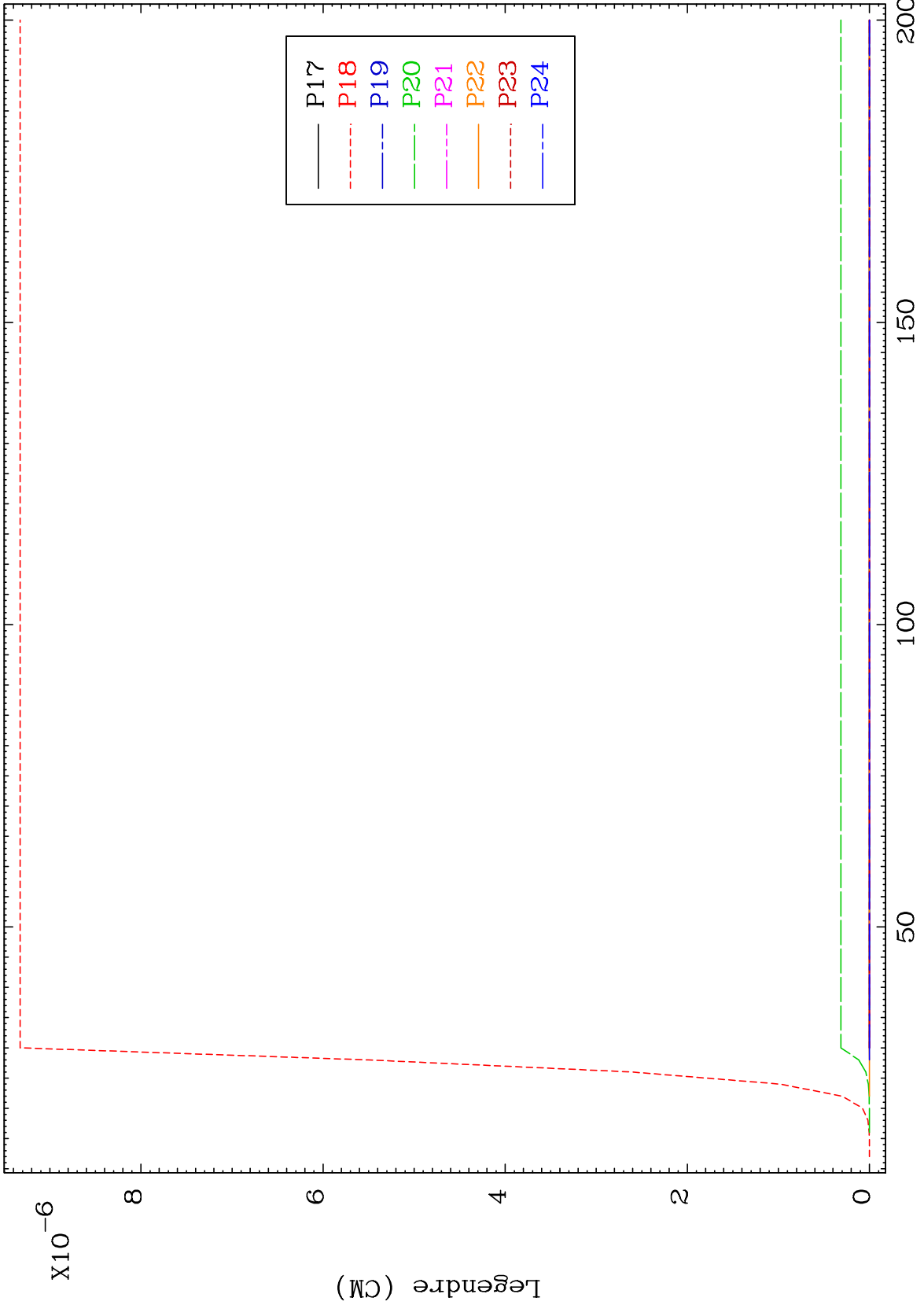
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



65

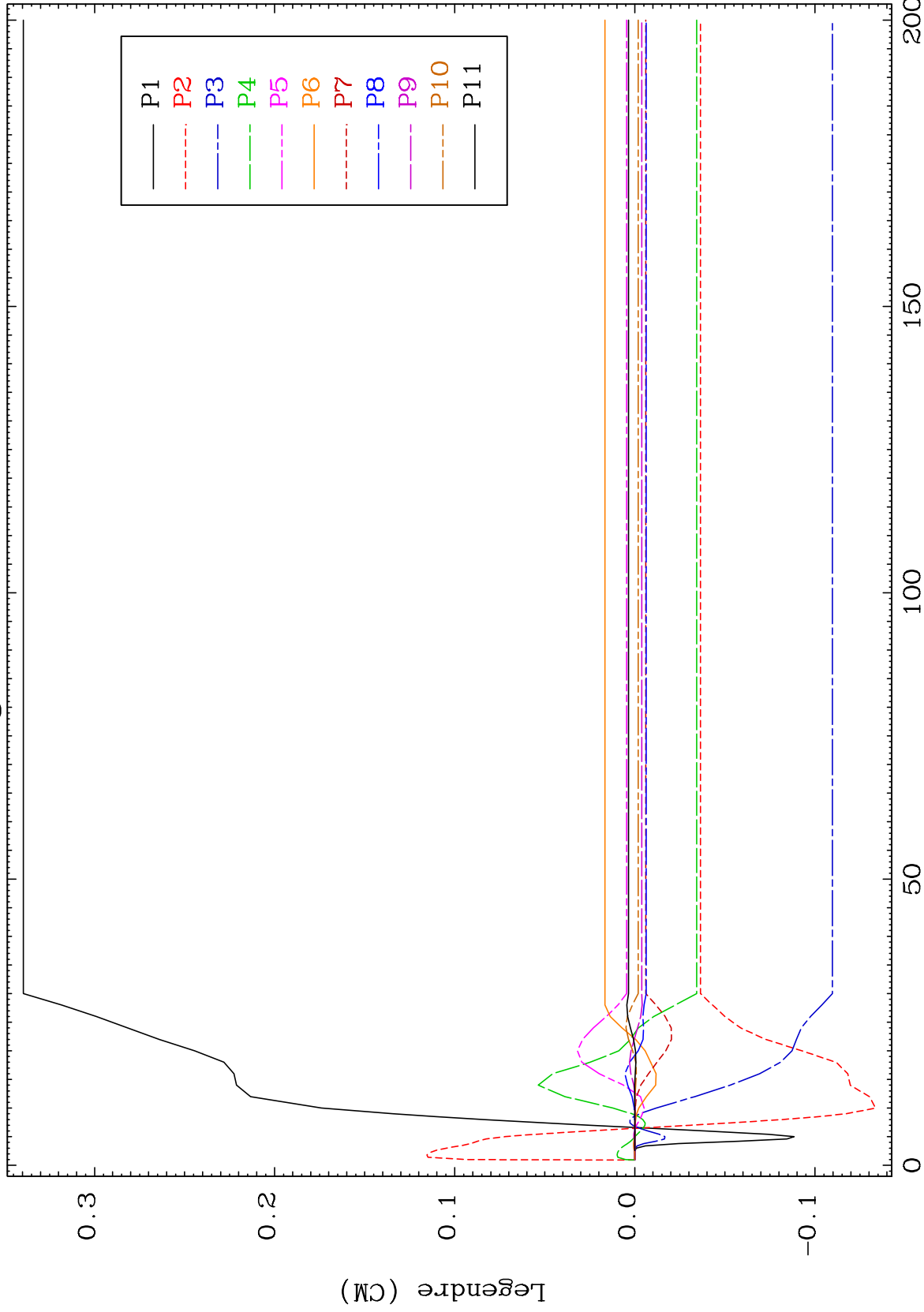
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



66

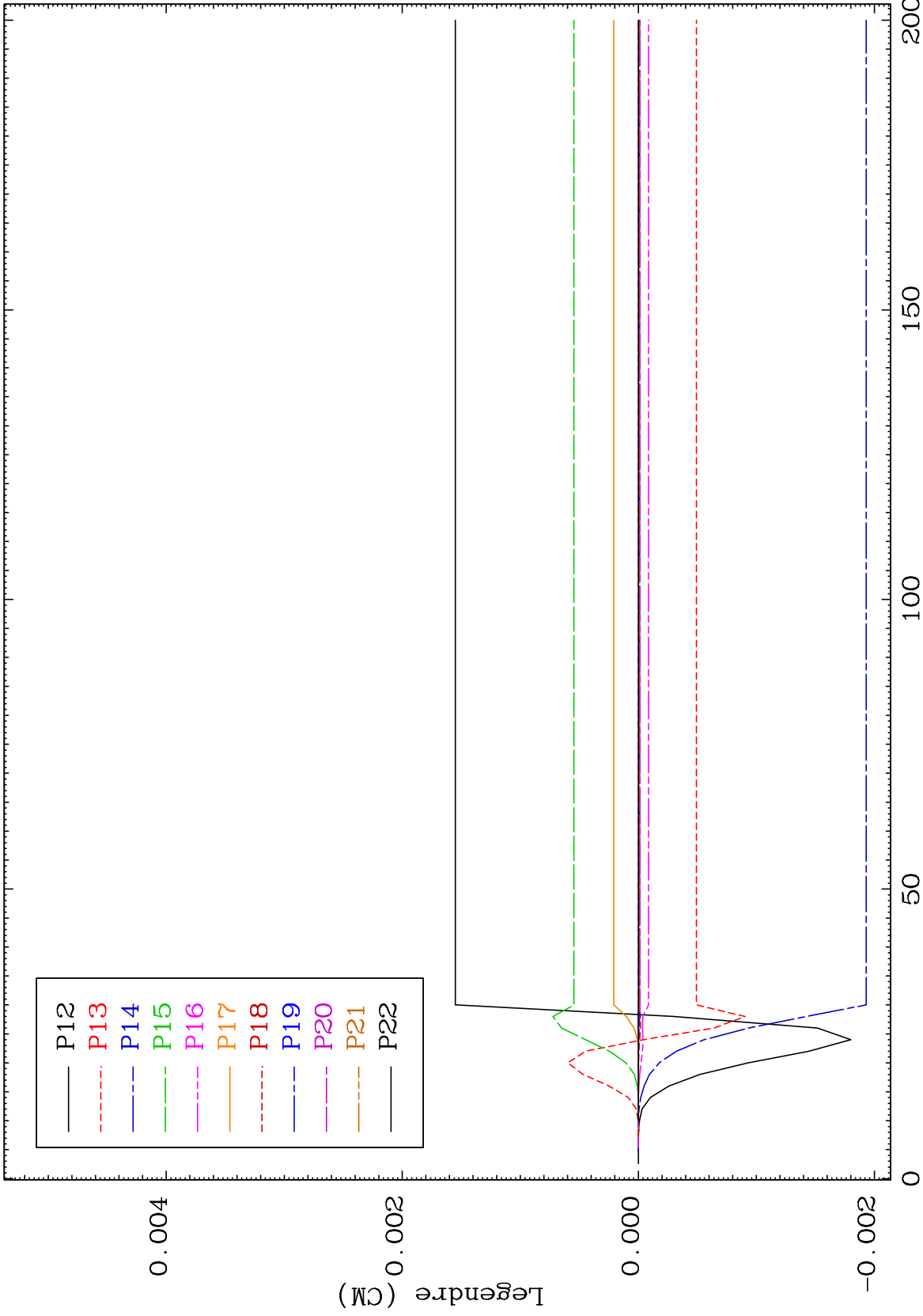
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



67

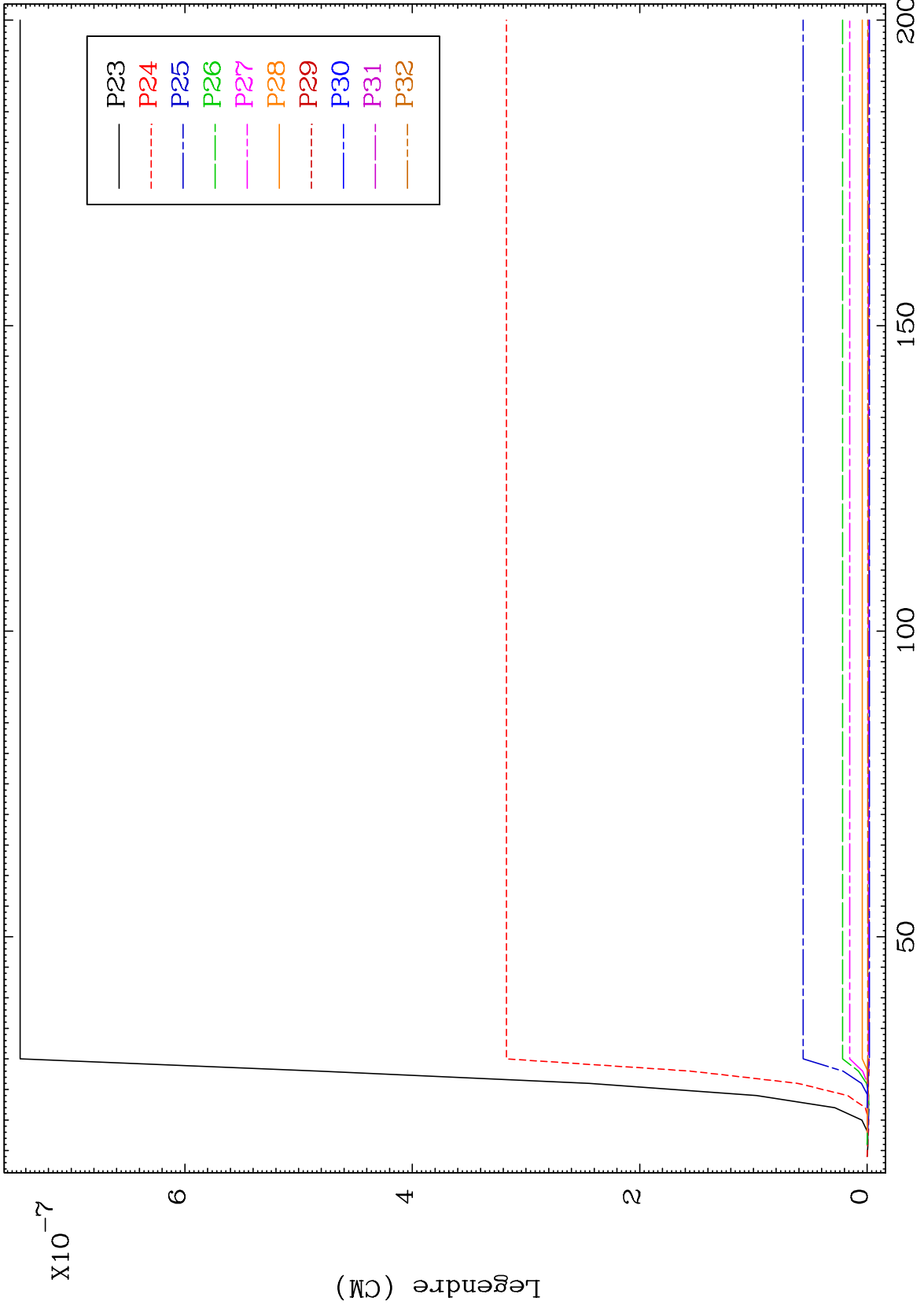
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



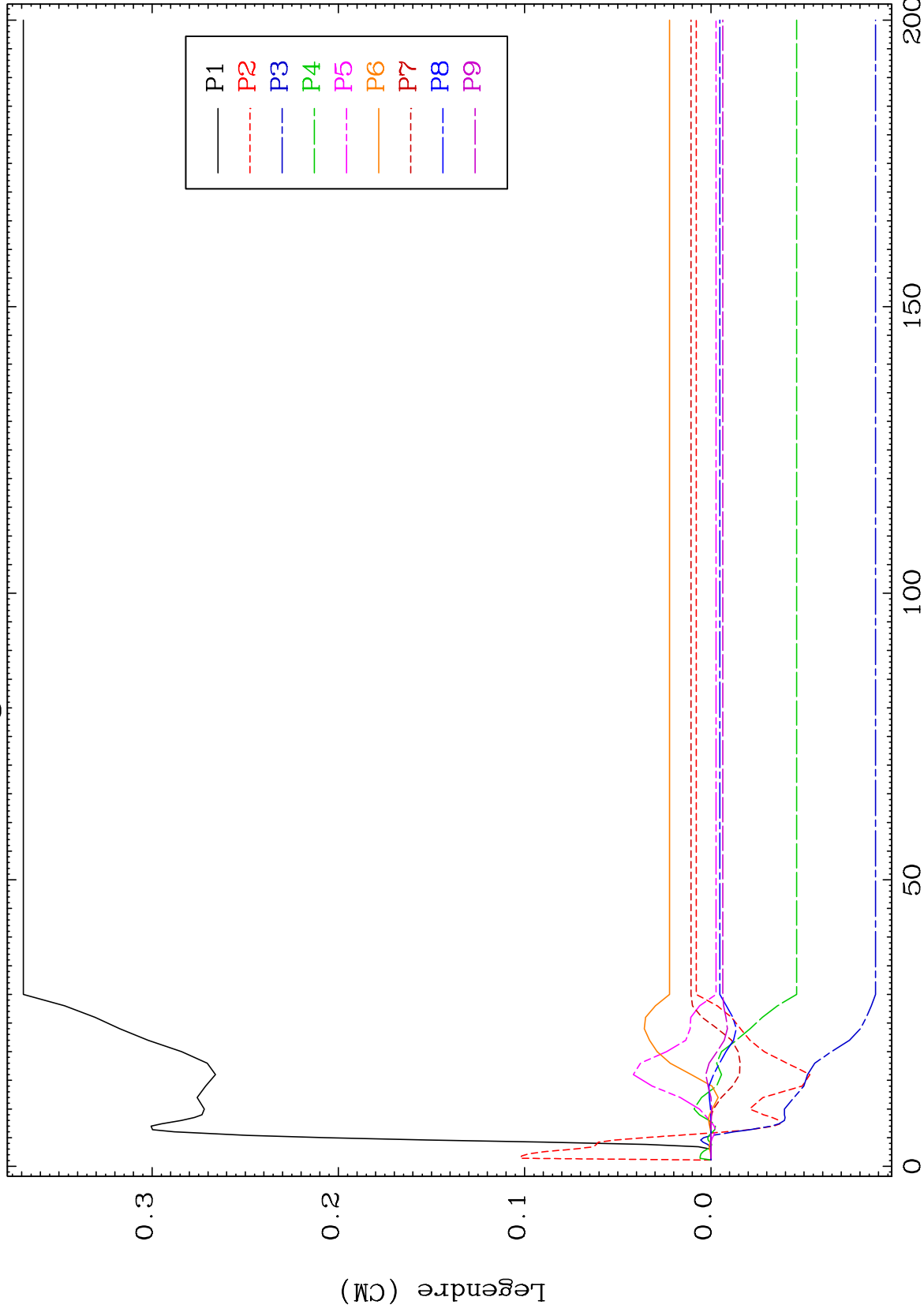
68

59-Pr-138

MAT 5916

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

59-Pr-138



69

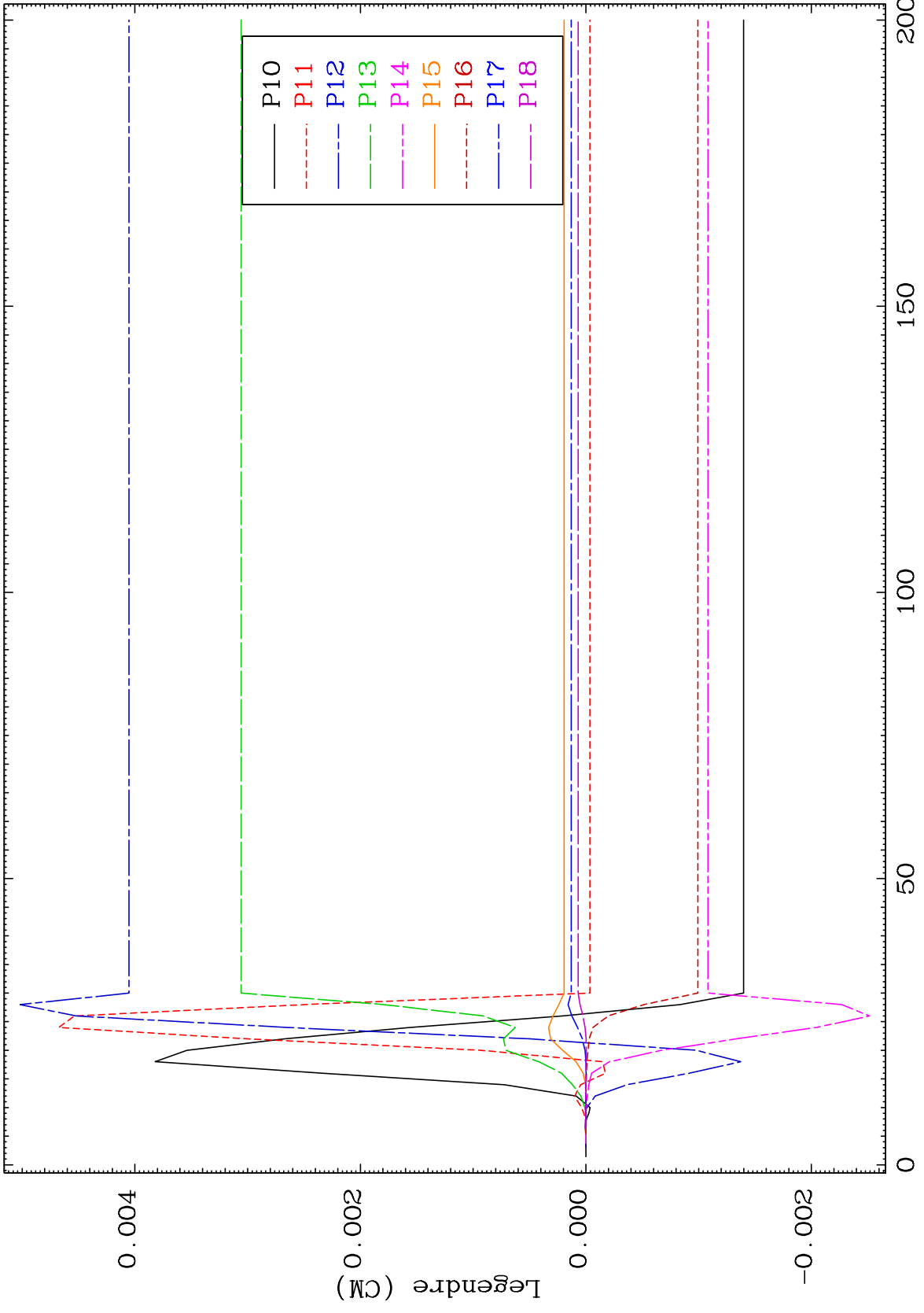
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

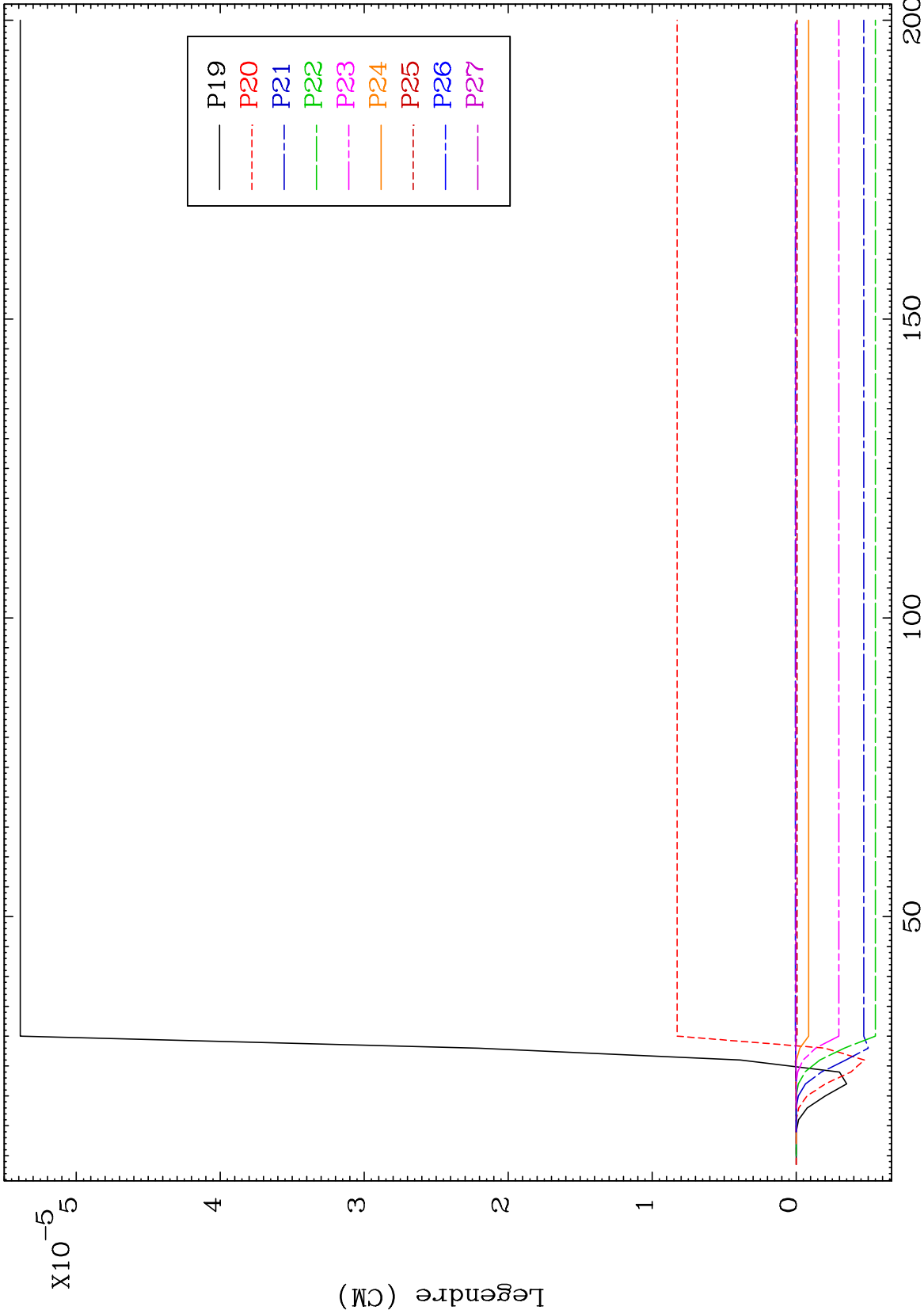
59-Pr-138



70

Incident Energy (MeV)

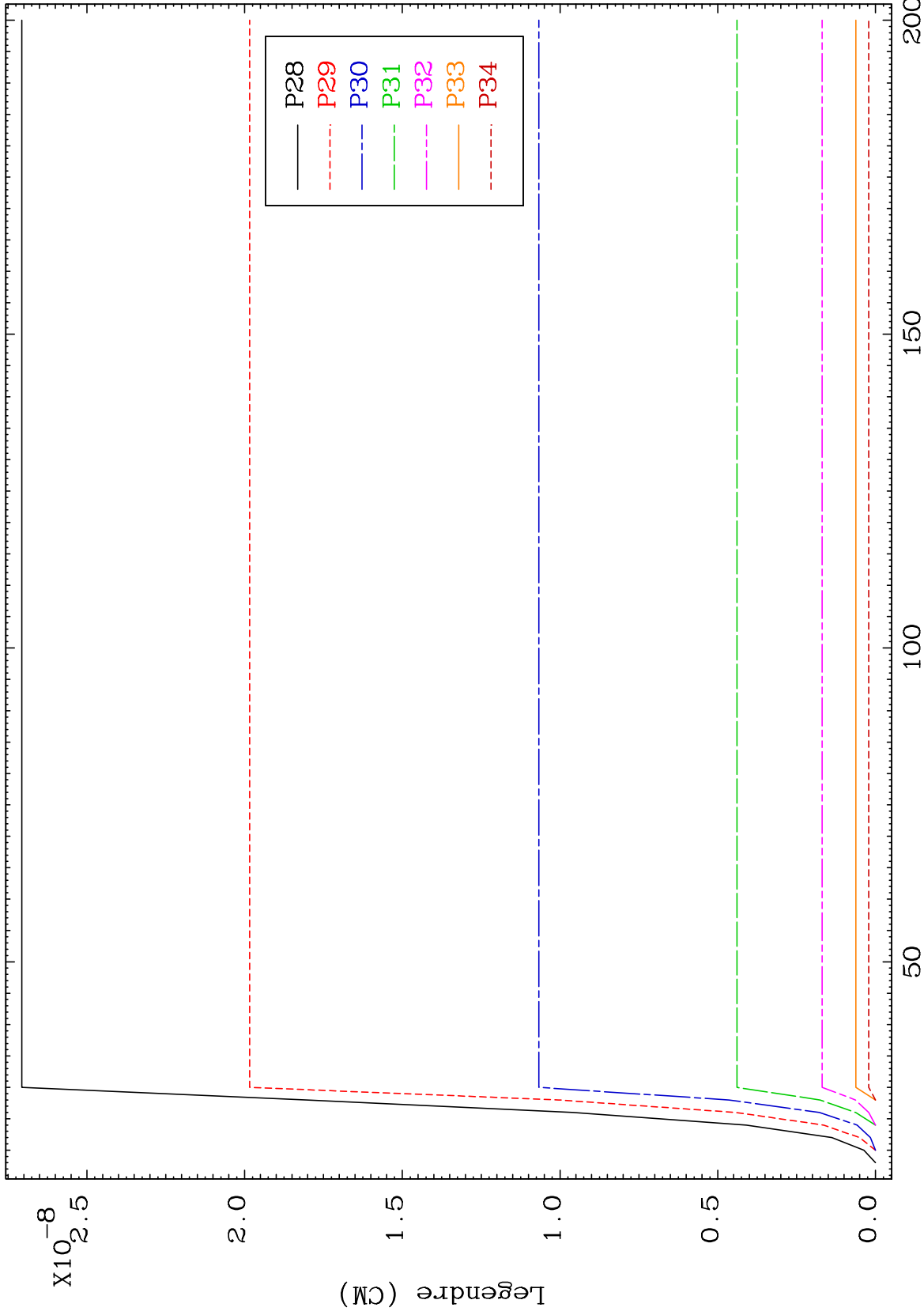
59-Pr-138



MAT 5916

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

59-Pr-138



72

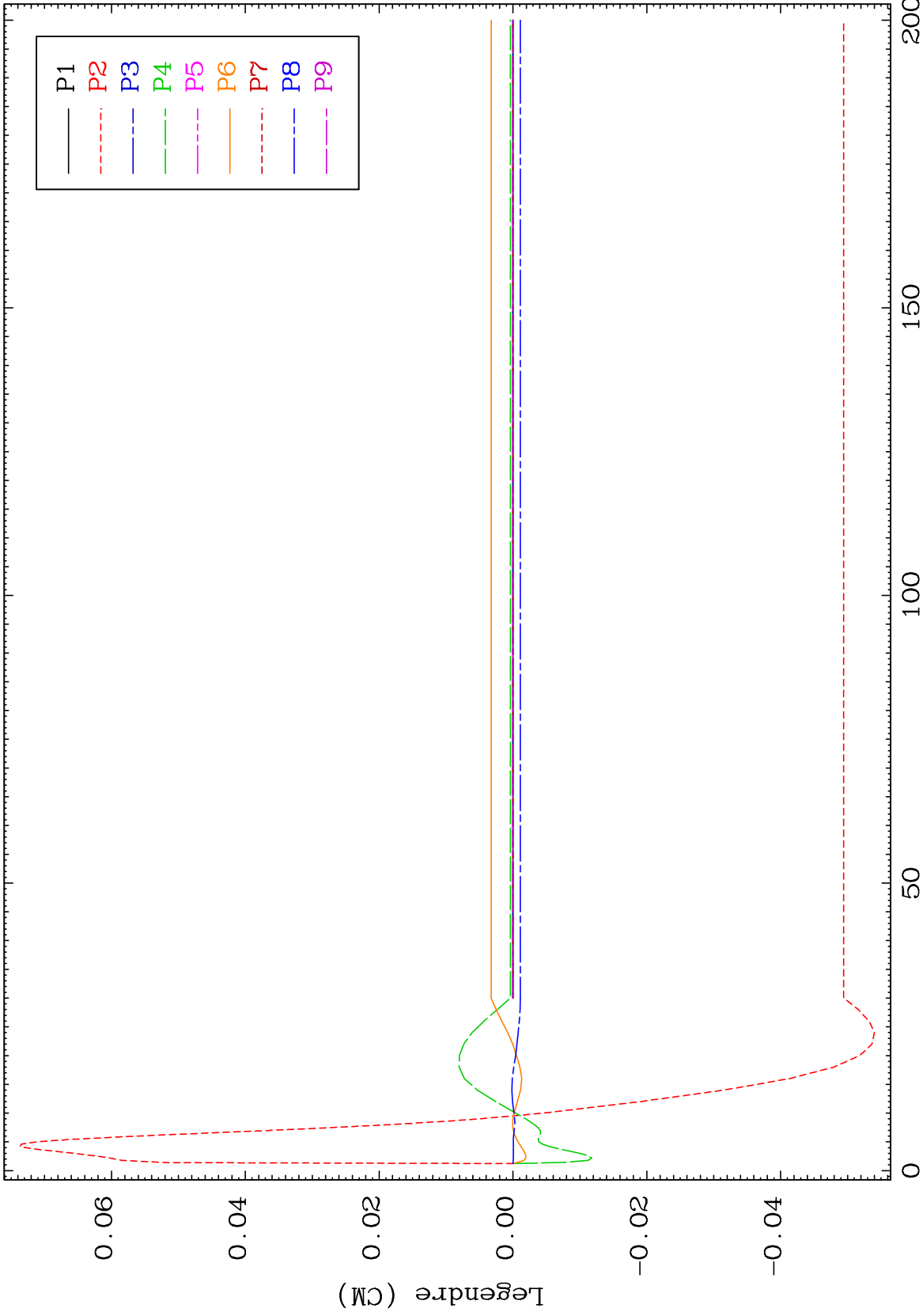
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

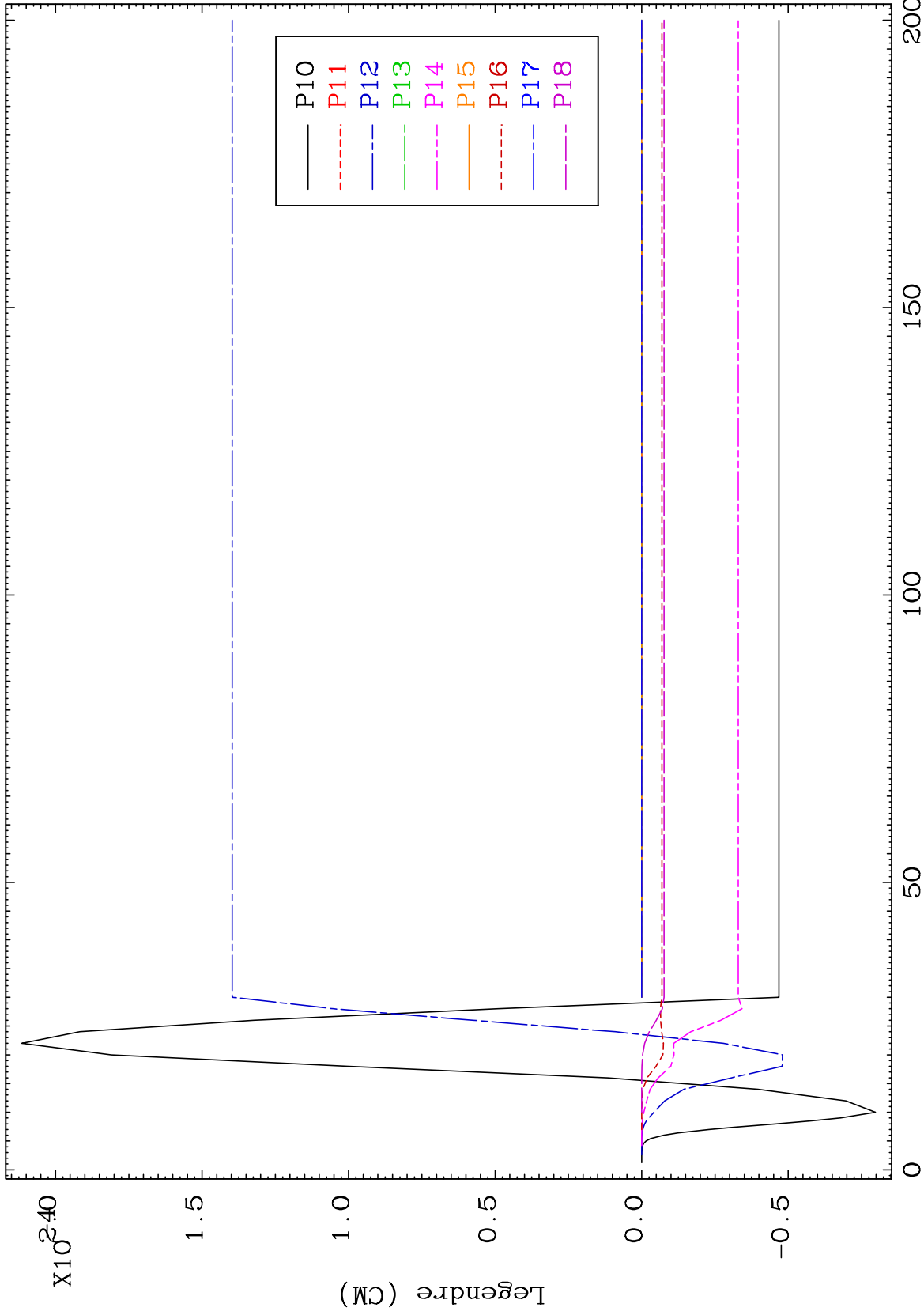
59-Pr-138



73

Incident Energy (MeV)

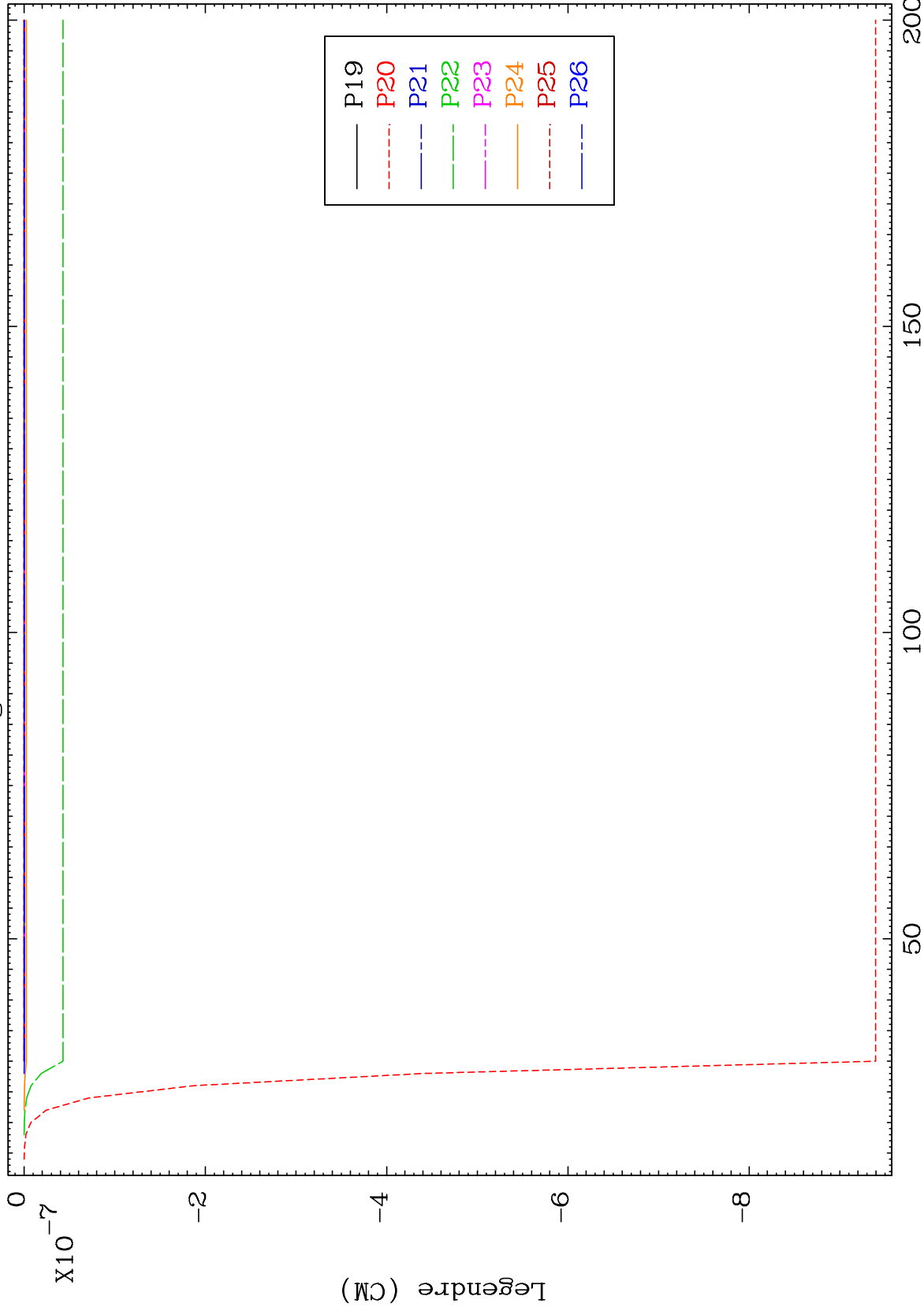
59-Pr-138



MAT 5916

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

59-Pr-138



75

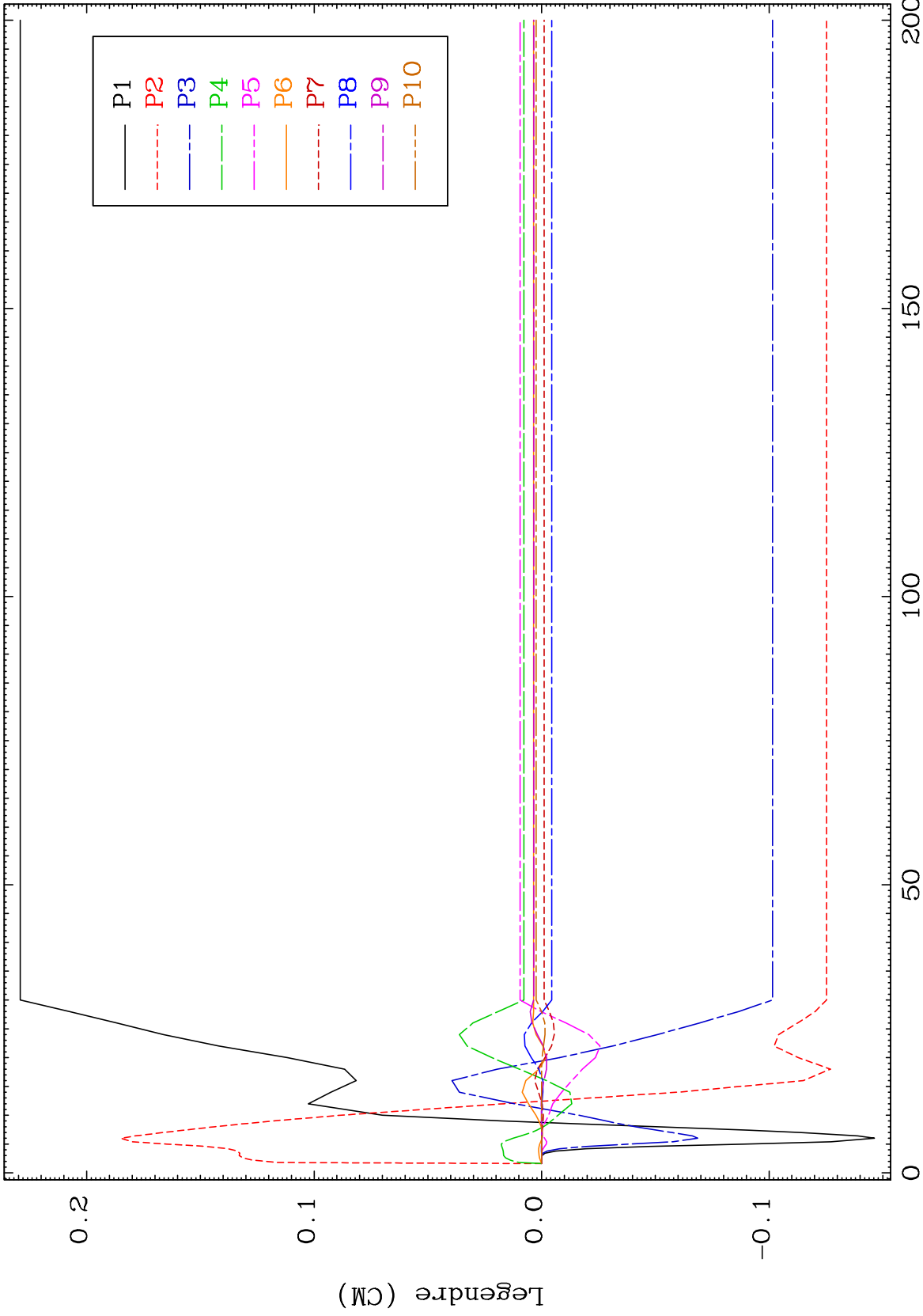
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



76

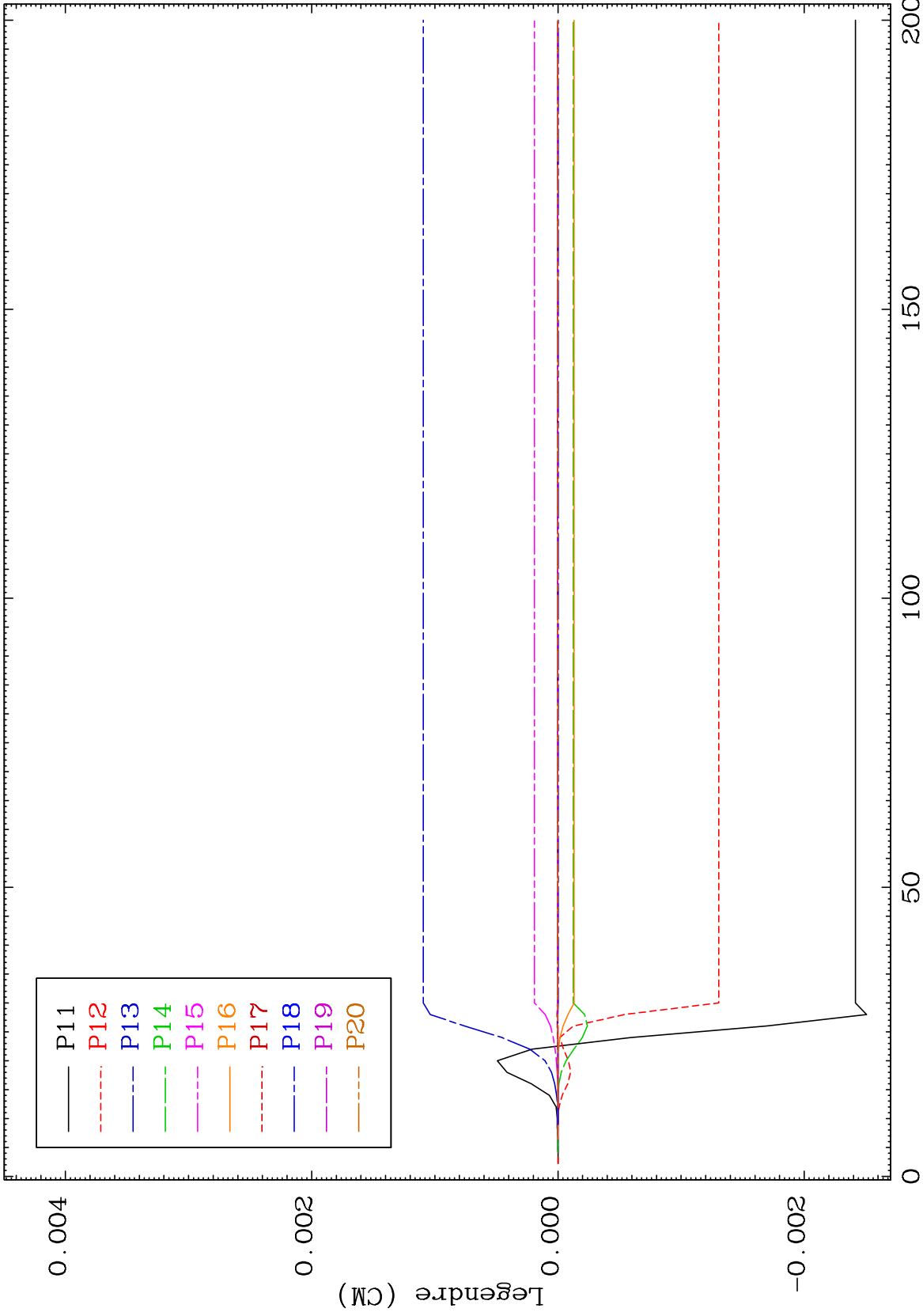
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



77

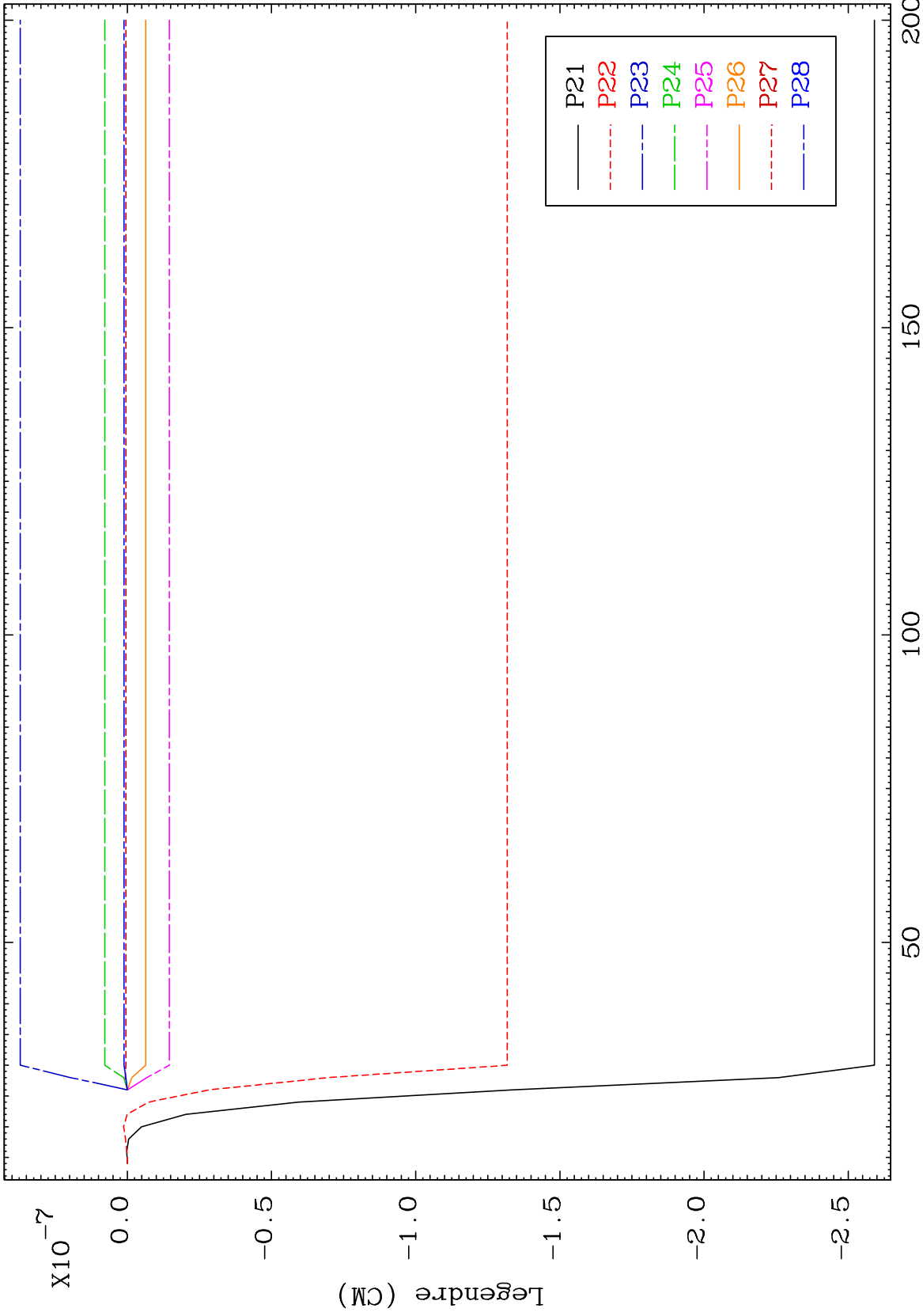
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



78

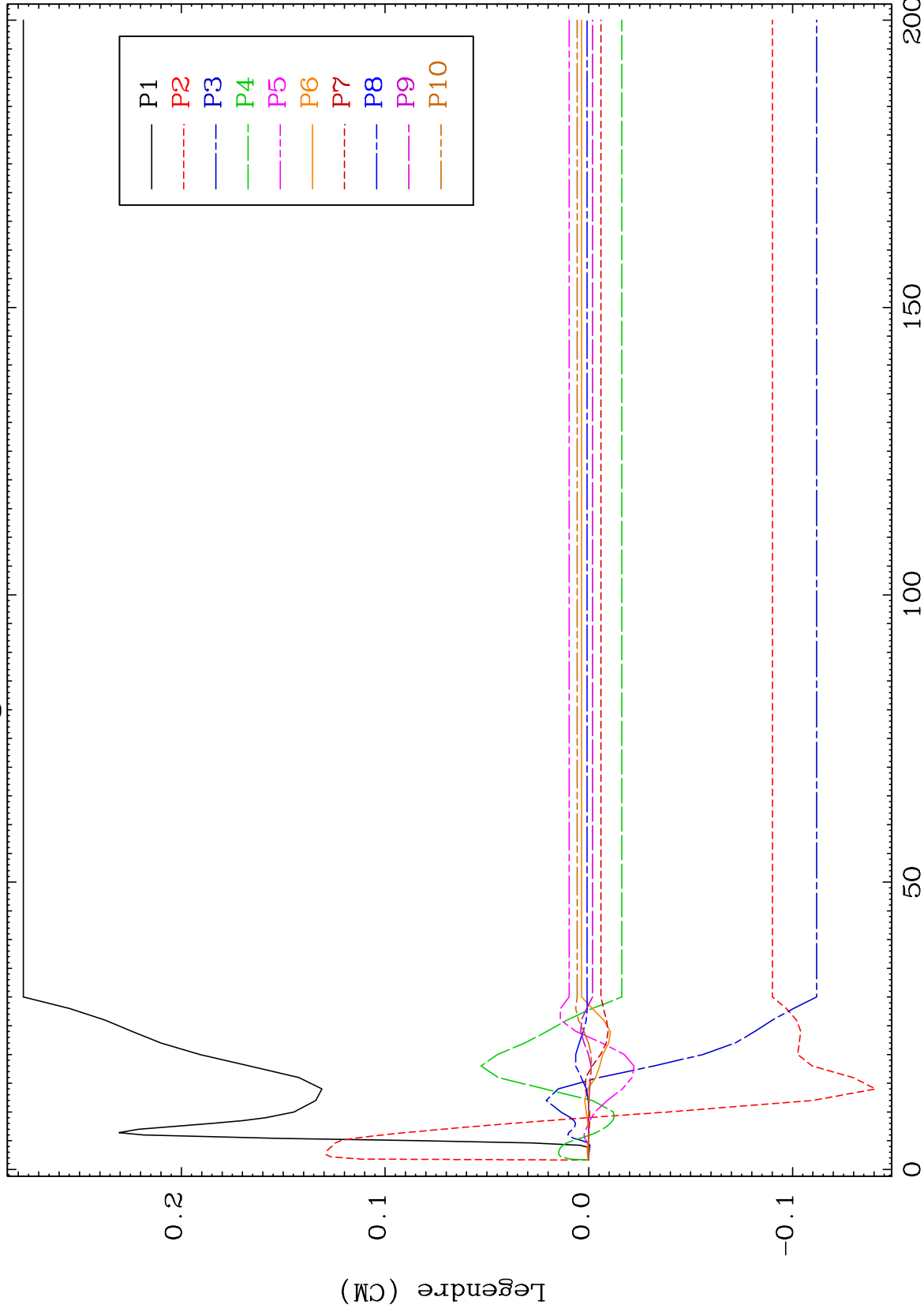
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



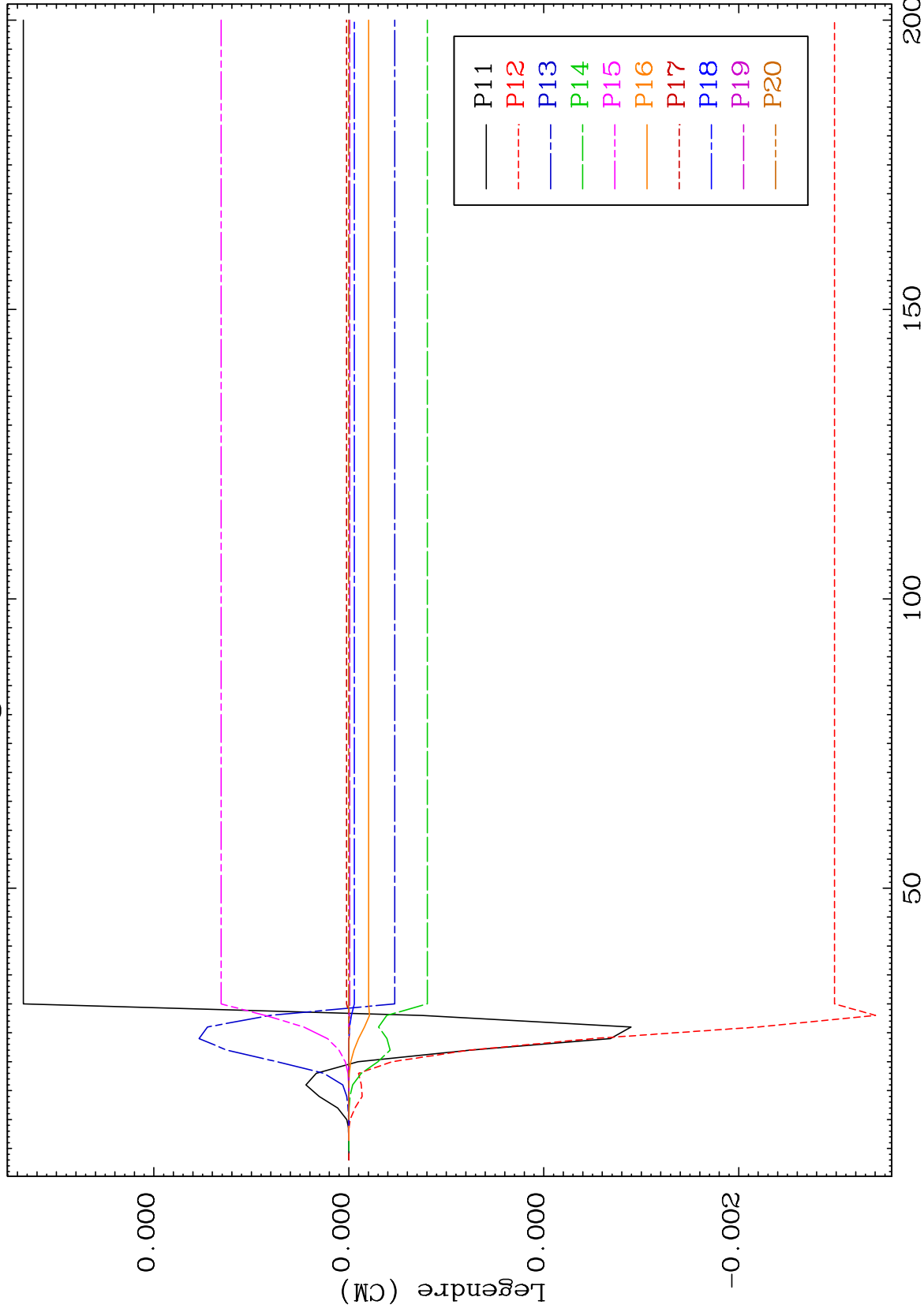
79

59-Pr-138

MAT 5916

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

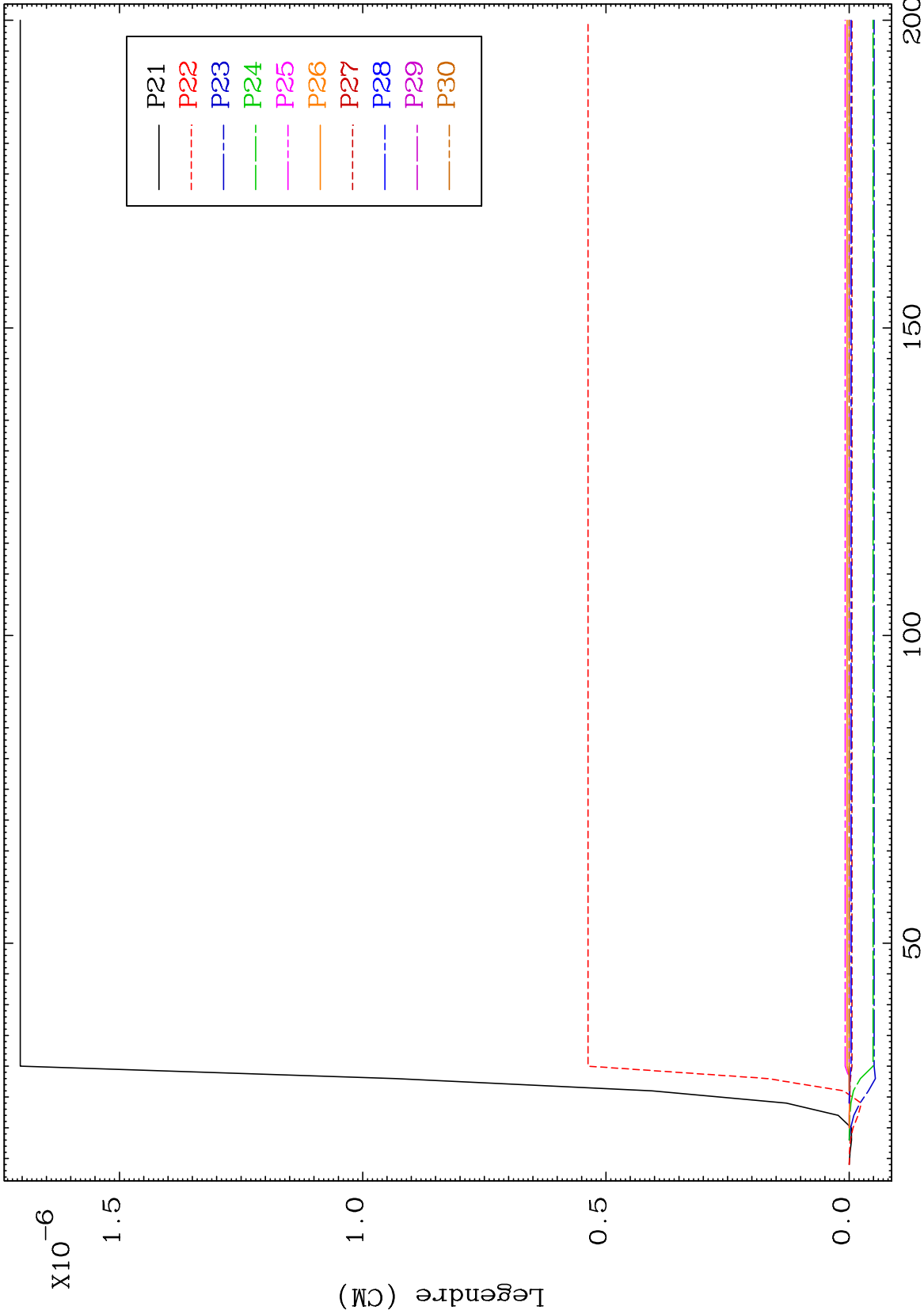
59-Pr-138



80

Incident Energy (MeV)

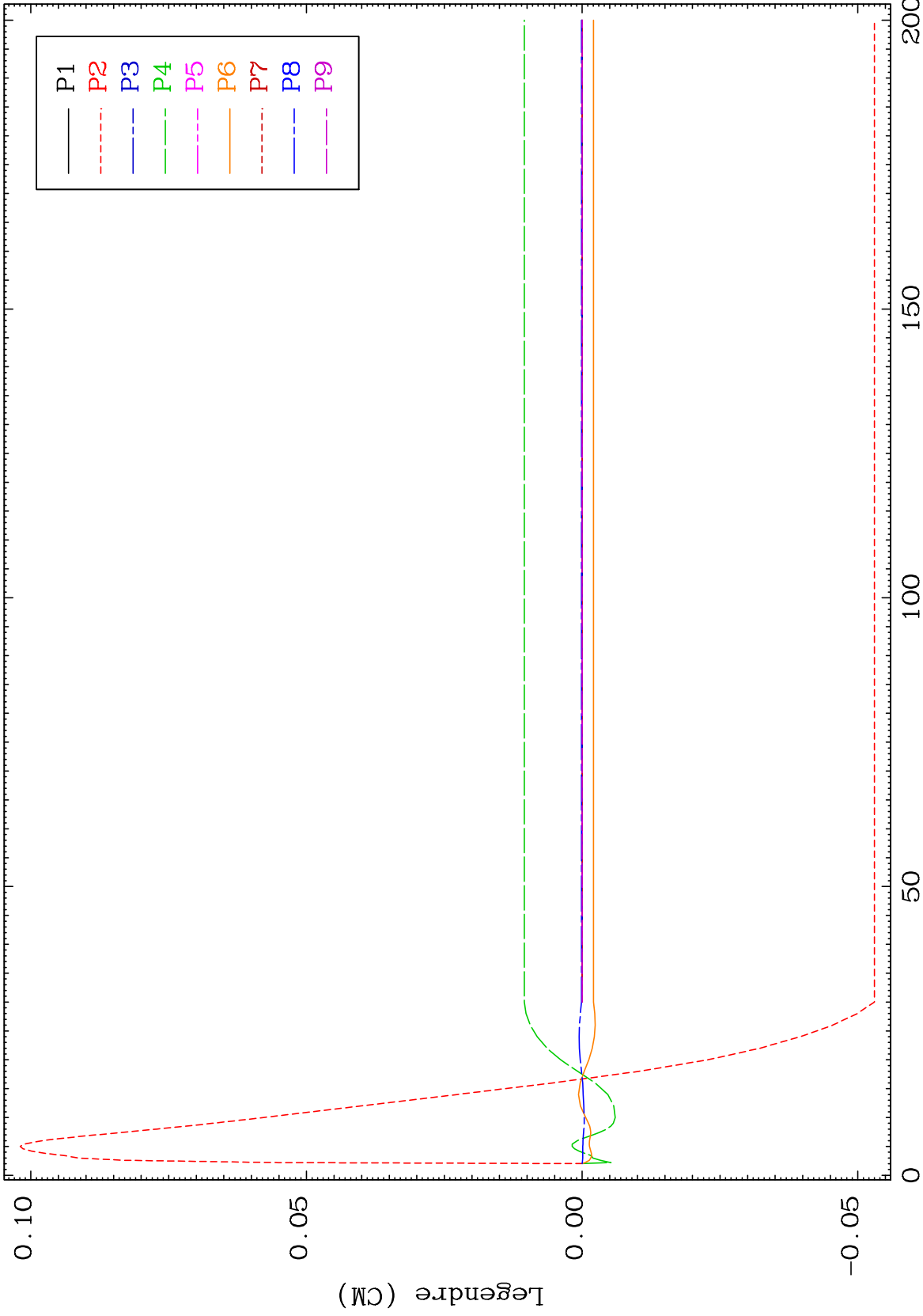
59-Pr-138



MAT 5916

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

59-Pr-138



82

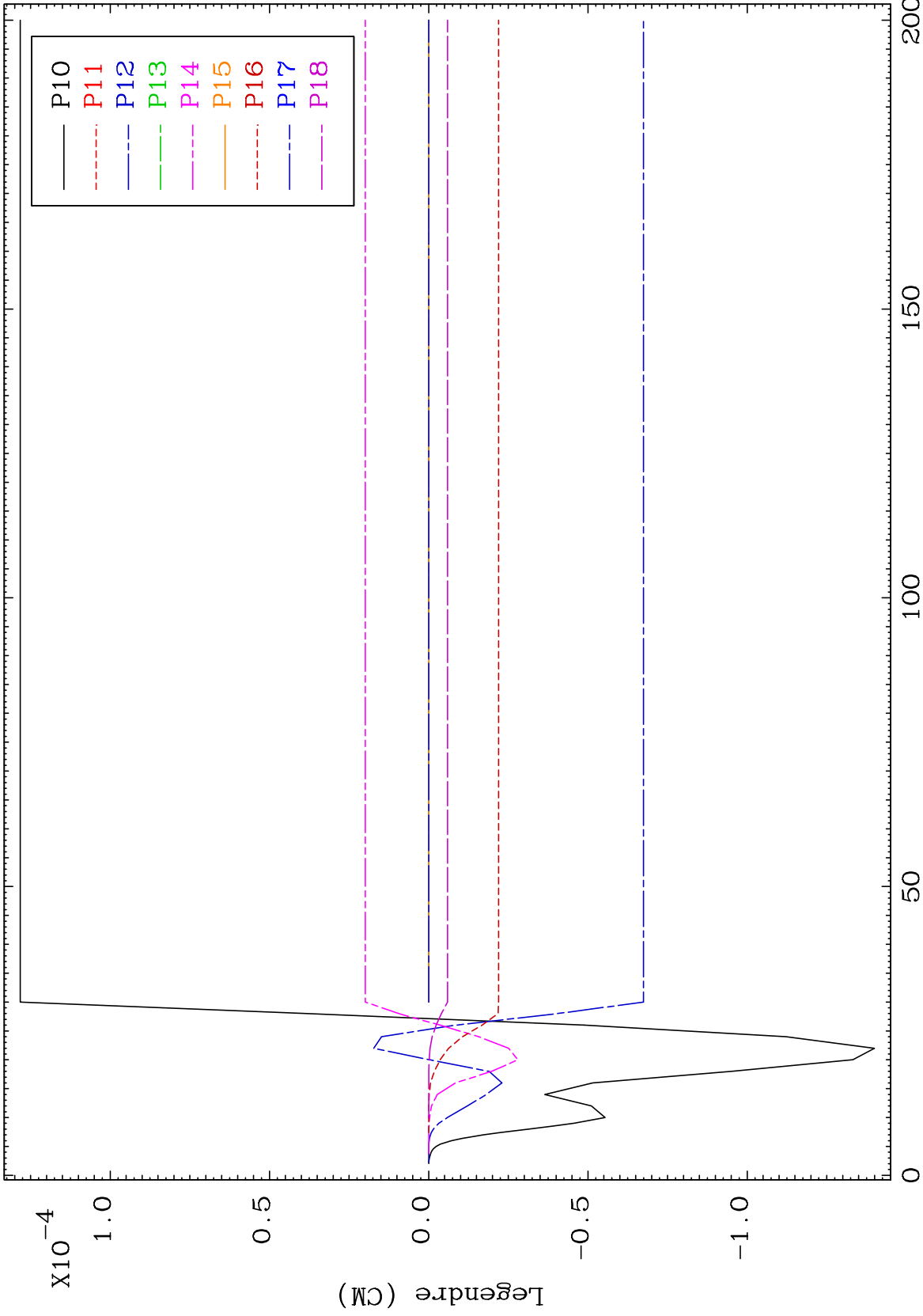
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



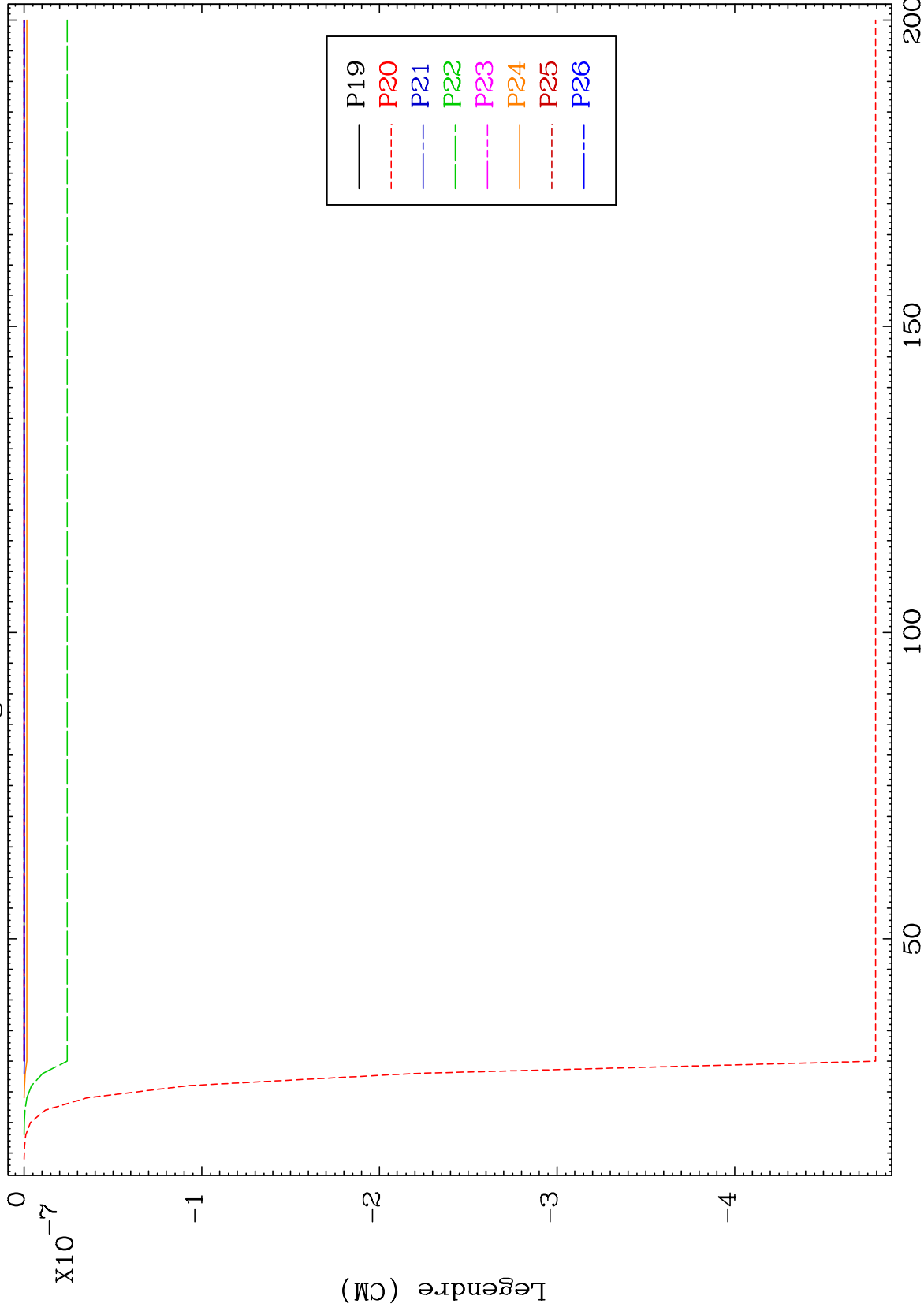
83

59-Pr-138

MAT 5916

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

59-Pr-138



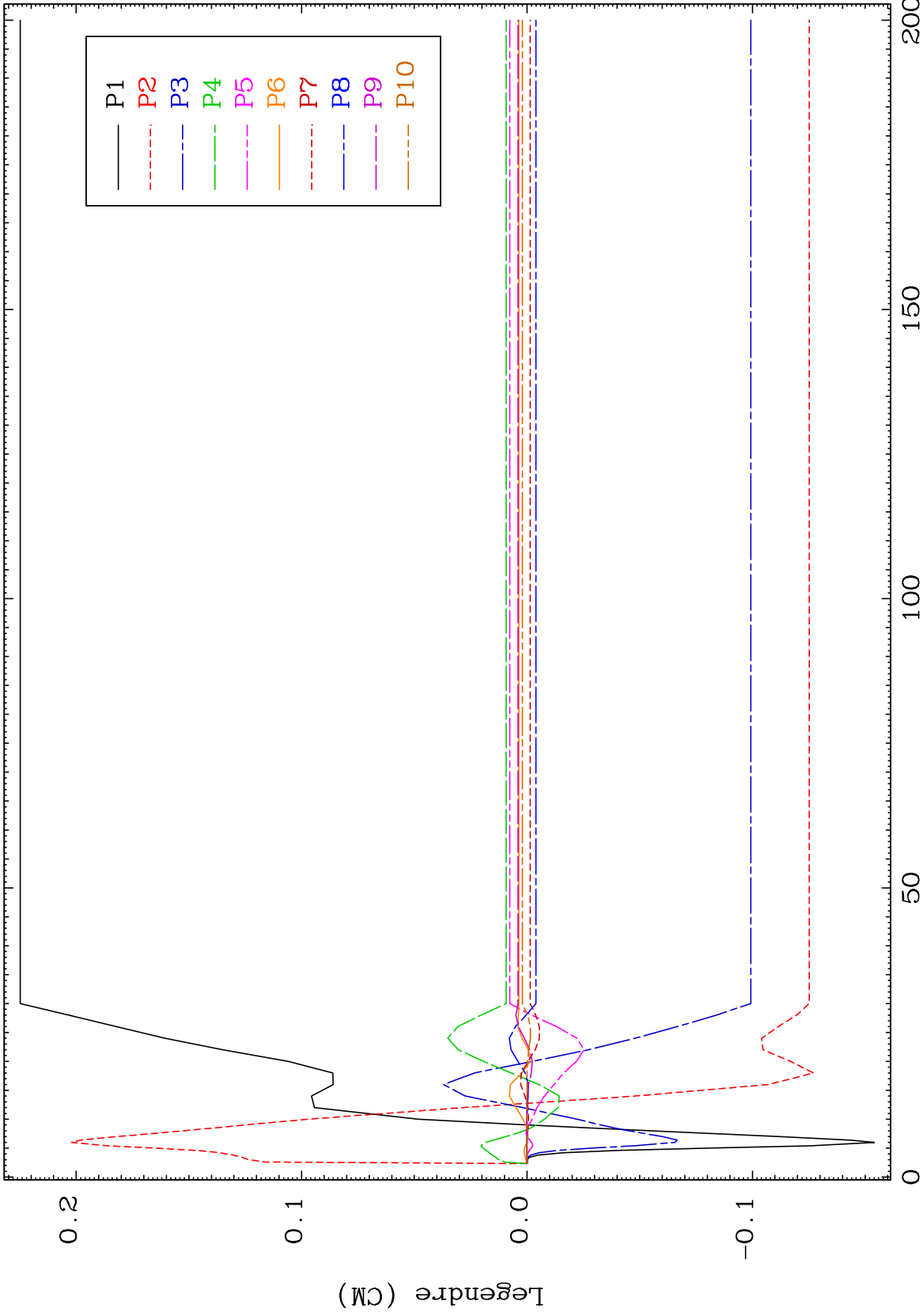
84

59-Pr-138

MAT 5916

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

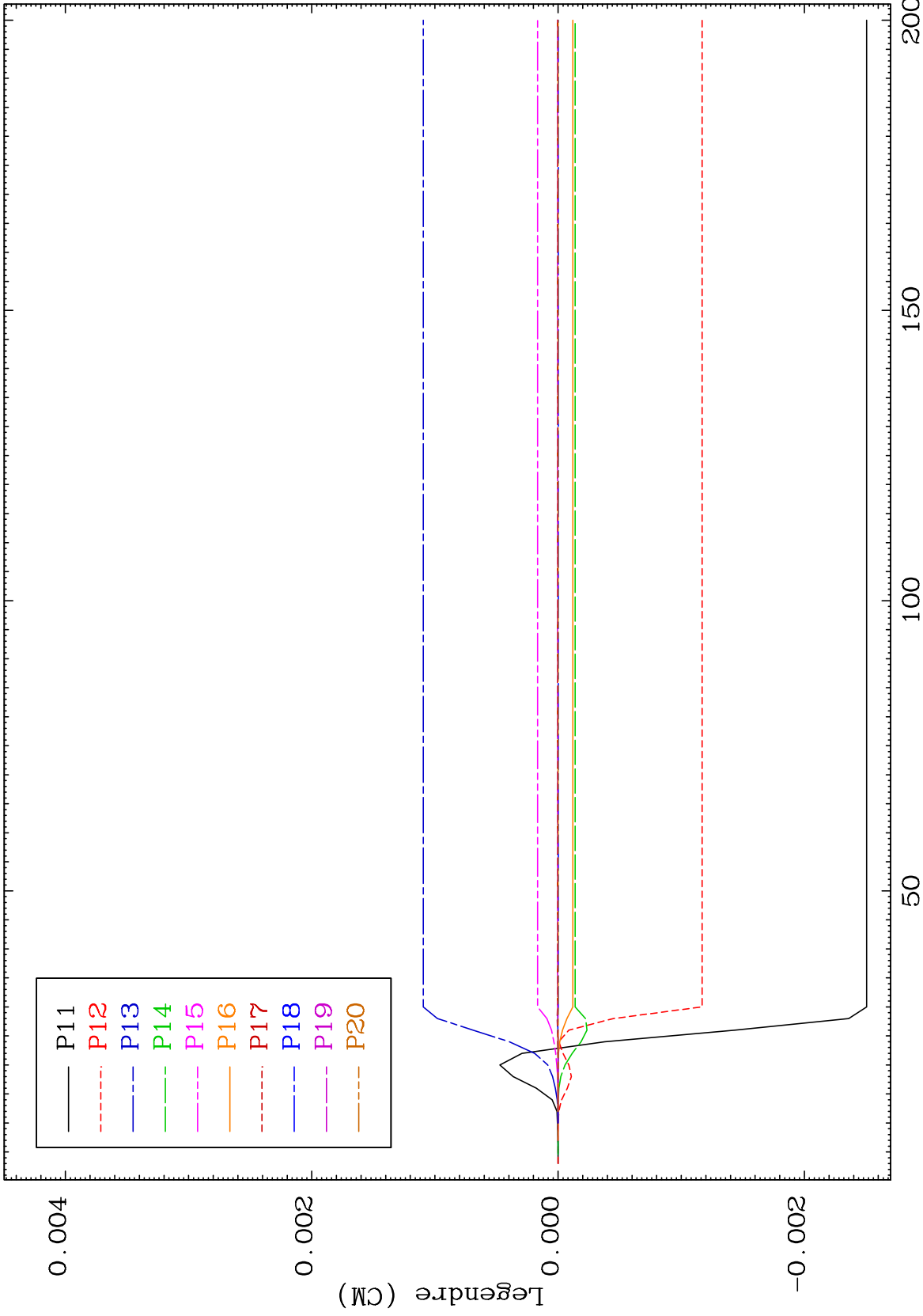
59-Pr-138



85

Incident Energy (MeV)

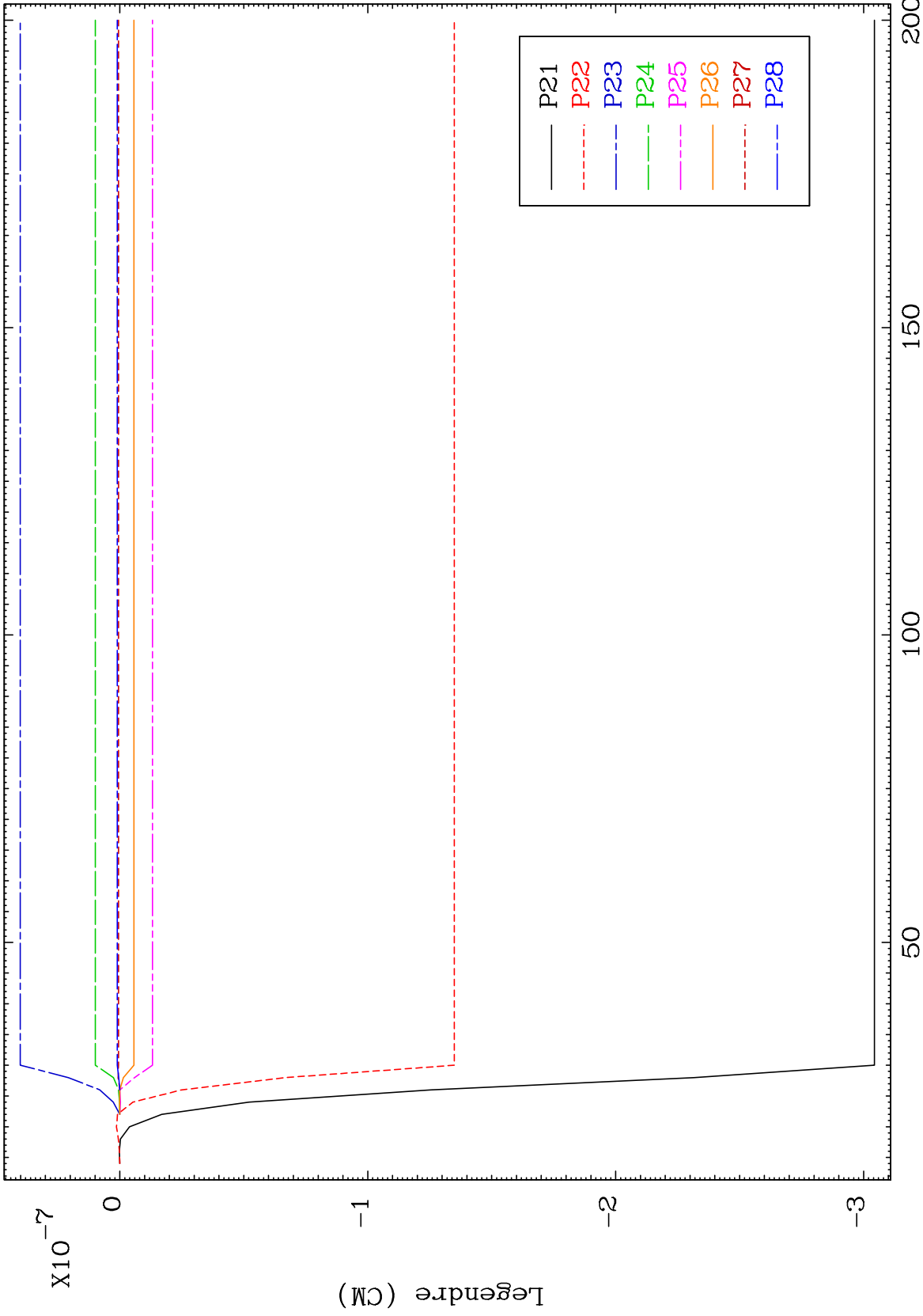
59-Pr-138



MAT 5916

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

59-Pr-138



87

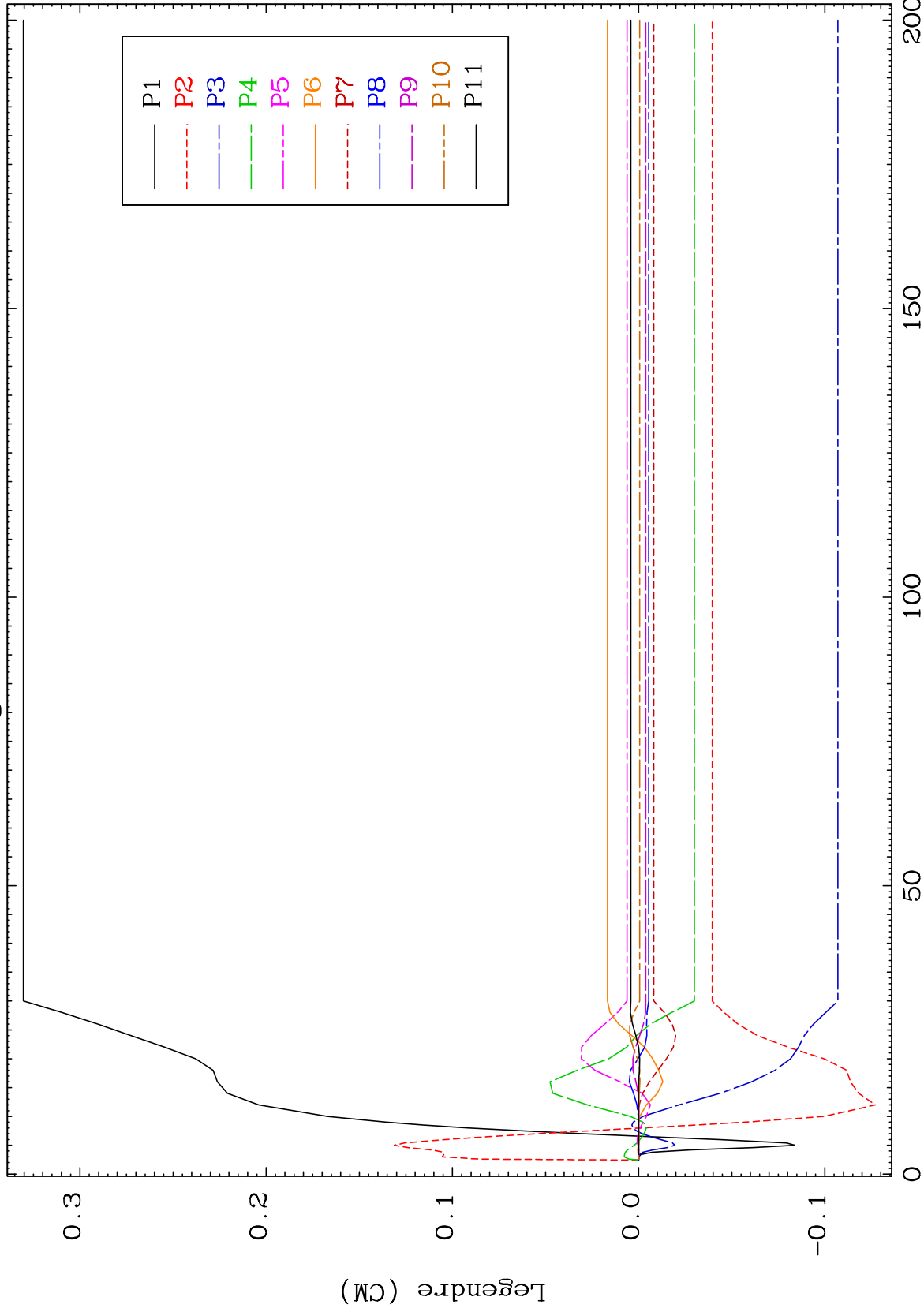
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

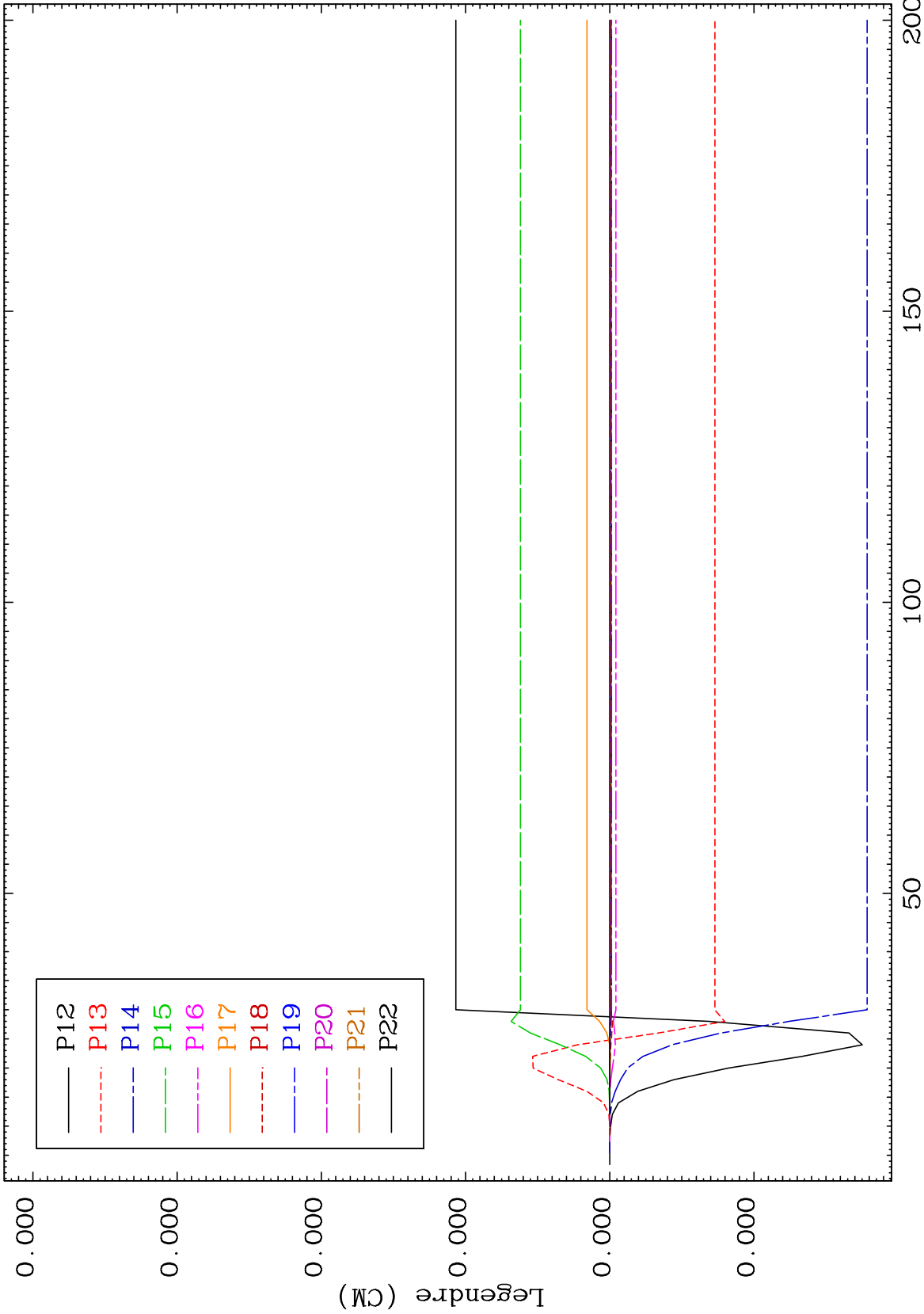
59-Pr-138



88

Incident Energy (MeV)

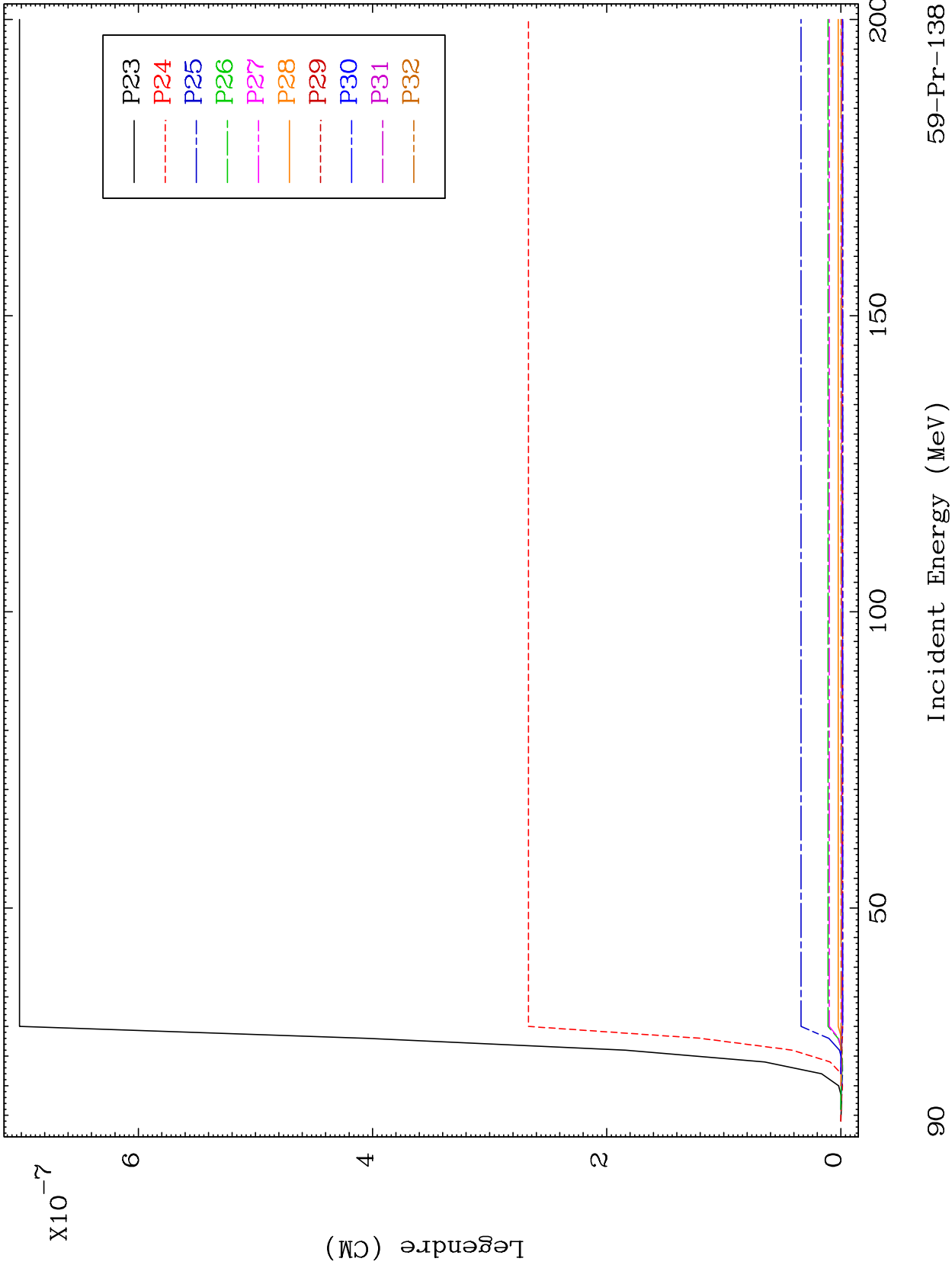
59-Pr-138



MAT 5916

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

59-Pr-138



90

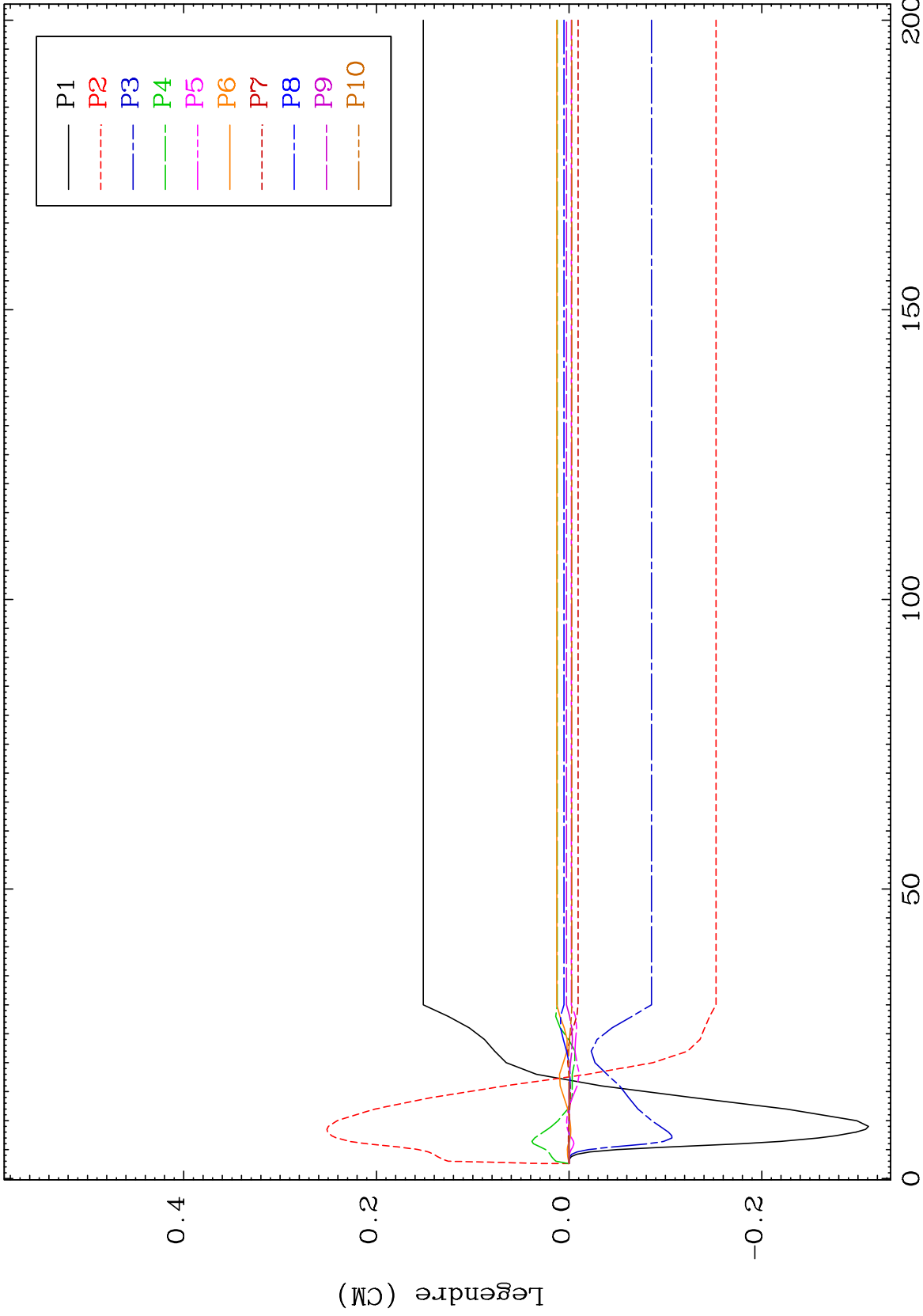
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

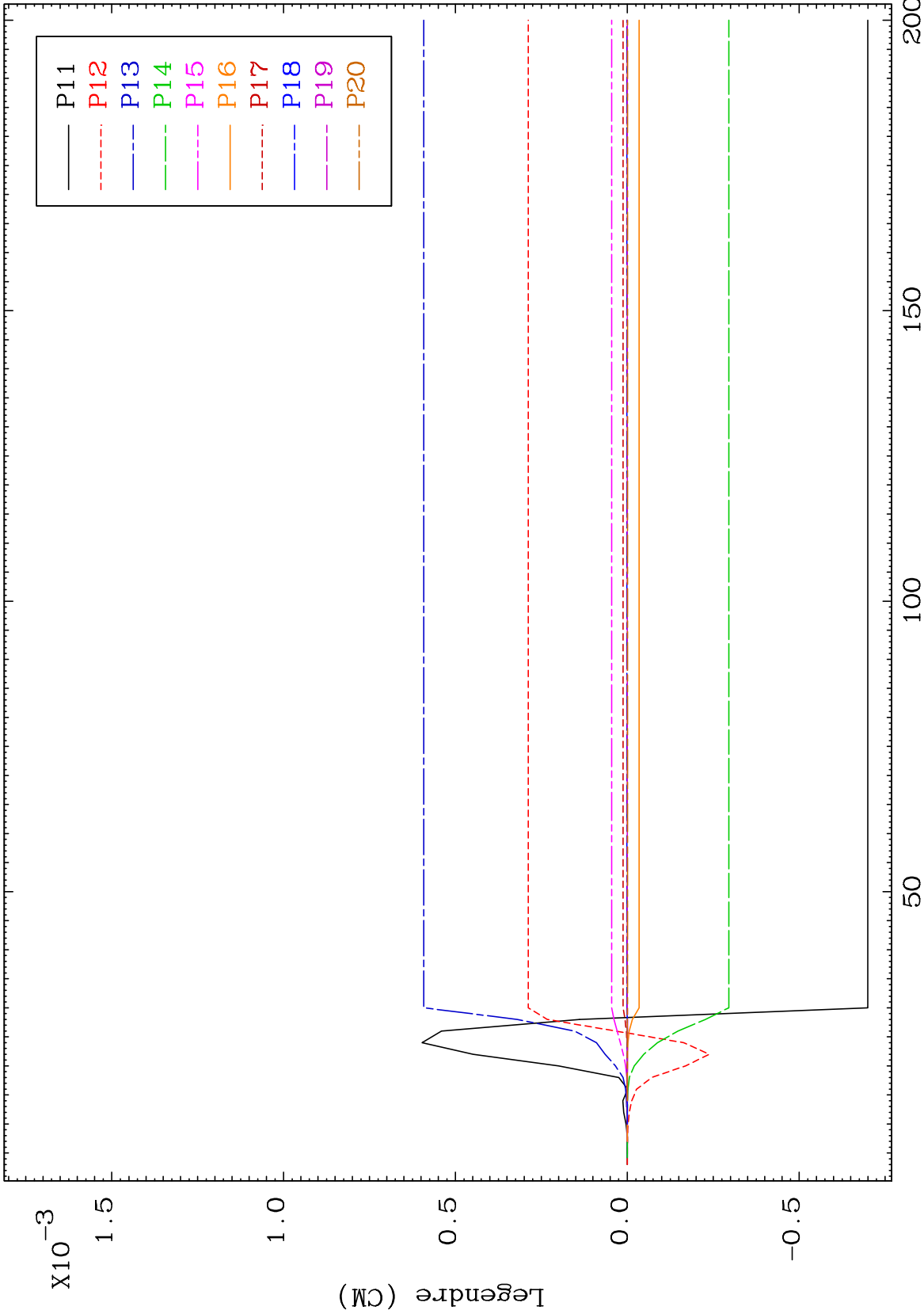
59-Pr-138



91

Incident Energy (MeV)

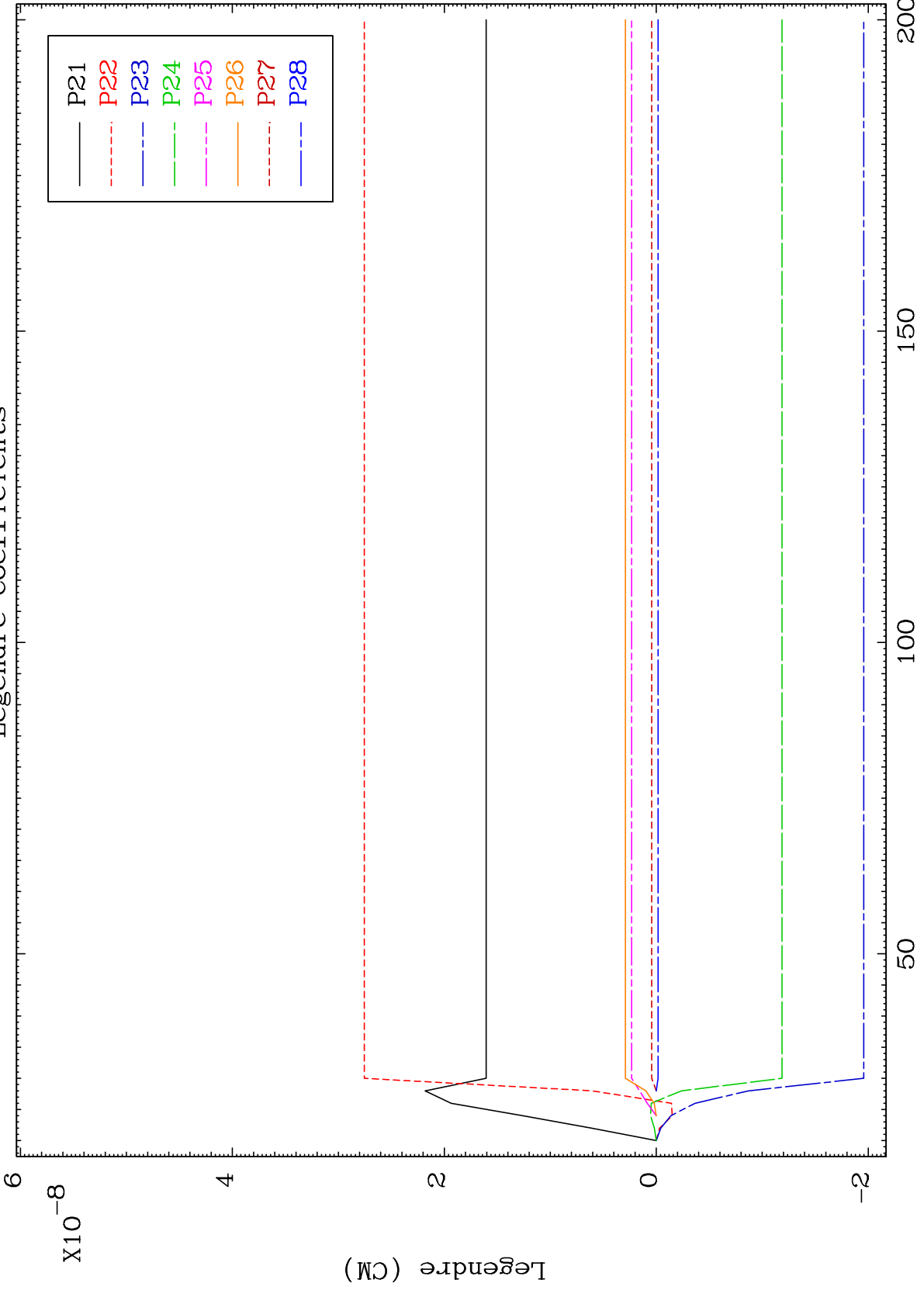
59-Pr-138



MAT 5916

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

59-Pr-138



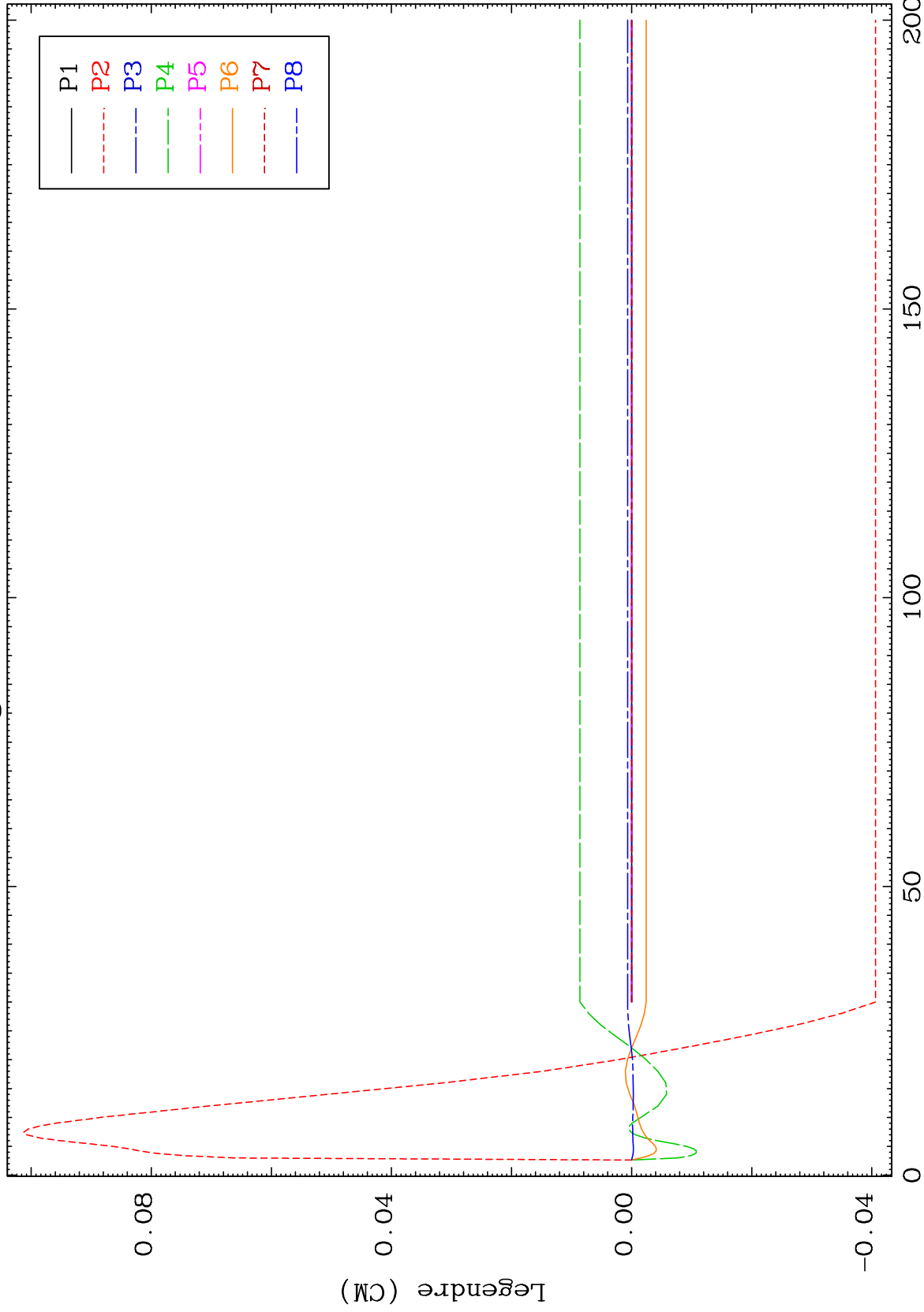
93

59-Pr-138

MAT 5916

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

59-Pr-138



94

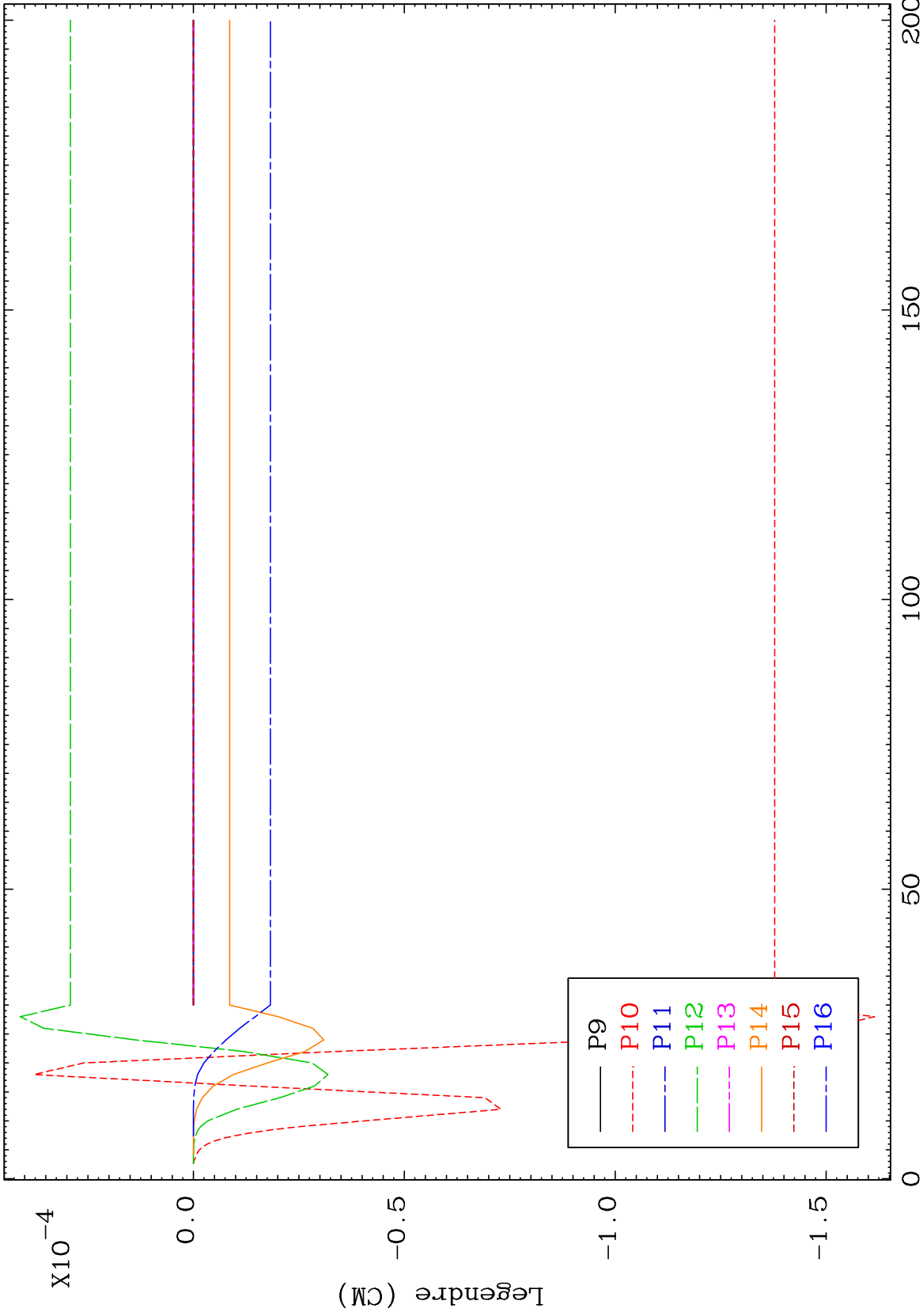
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



95

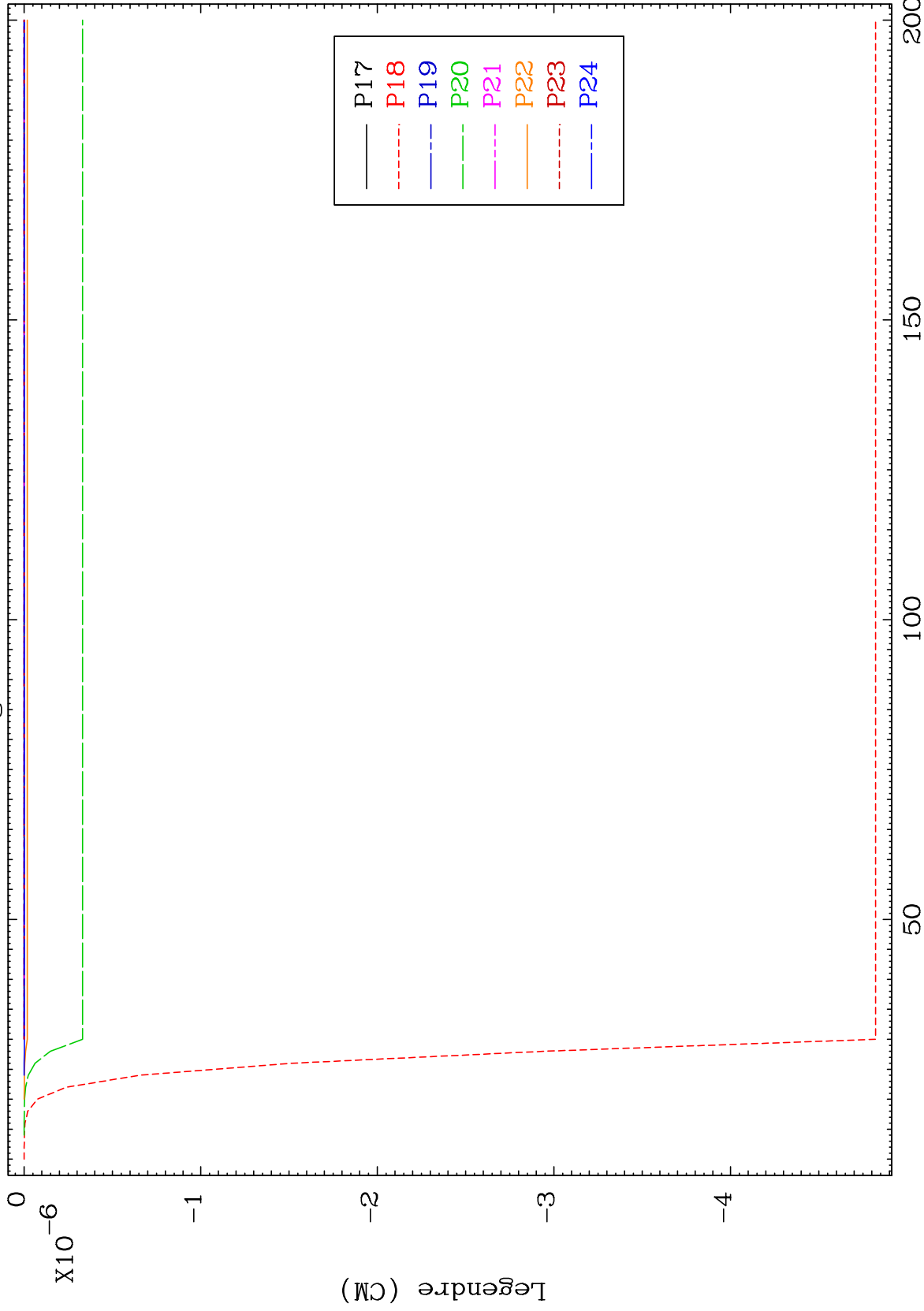
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138

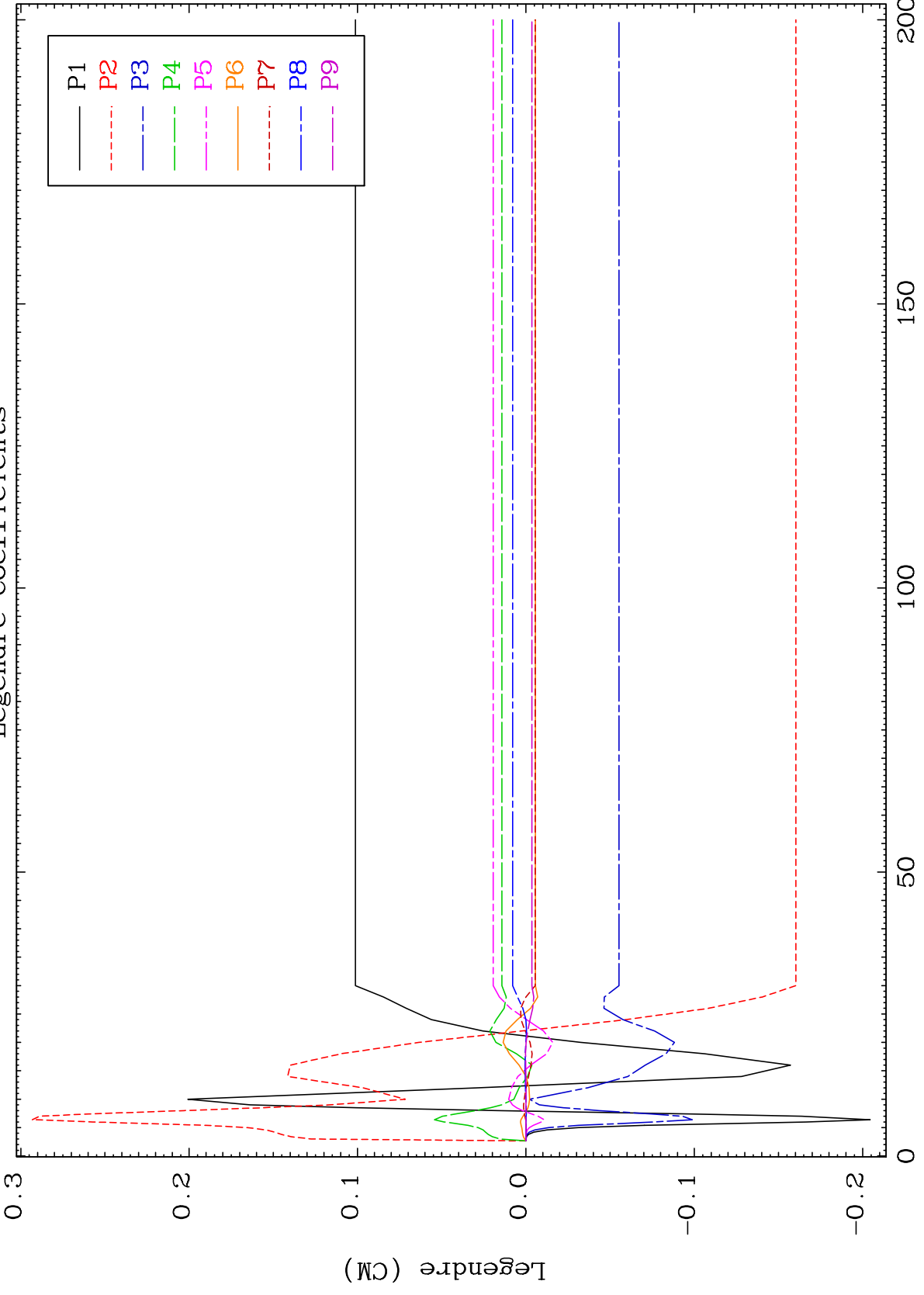


96

Incident Energy (MeV)

59-Pr-138

MAT 5916 MT= 75 (n,n') Level Legendre Coefficients 59-Pr-138

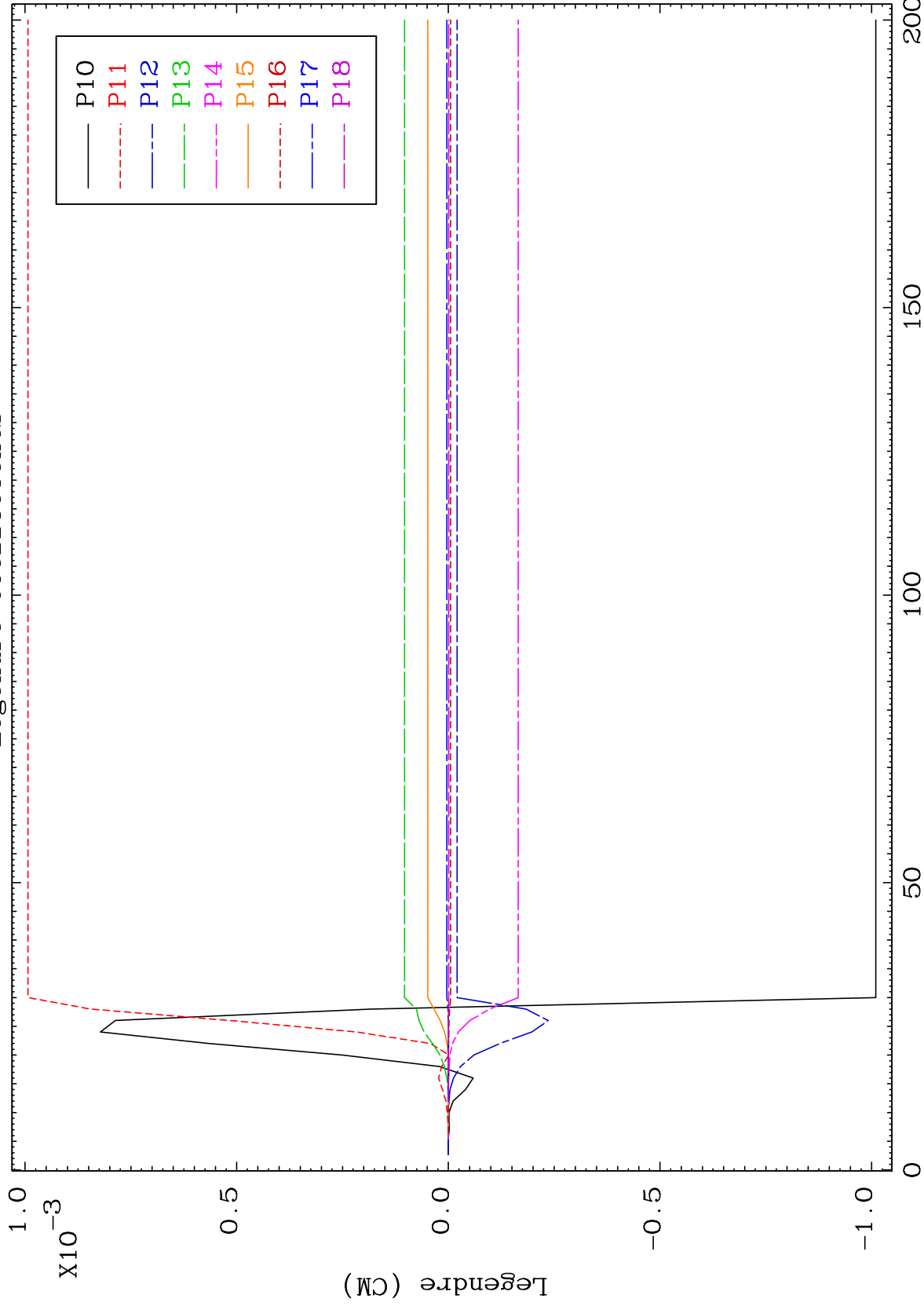


97 59-Pr-138

MAT 5916

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

59-Pr-138



98

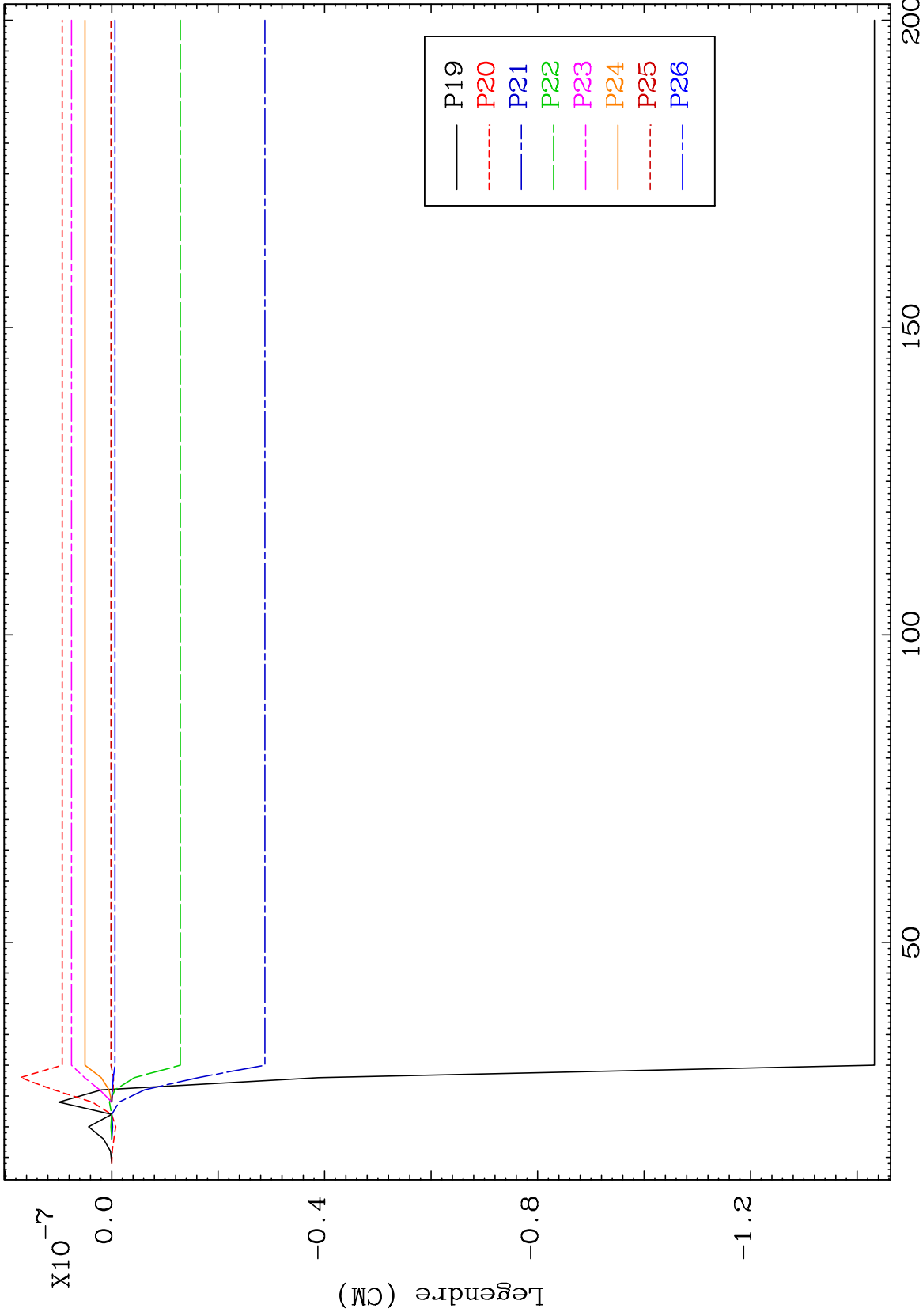
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



99

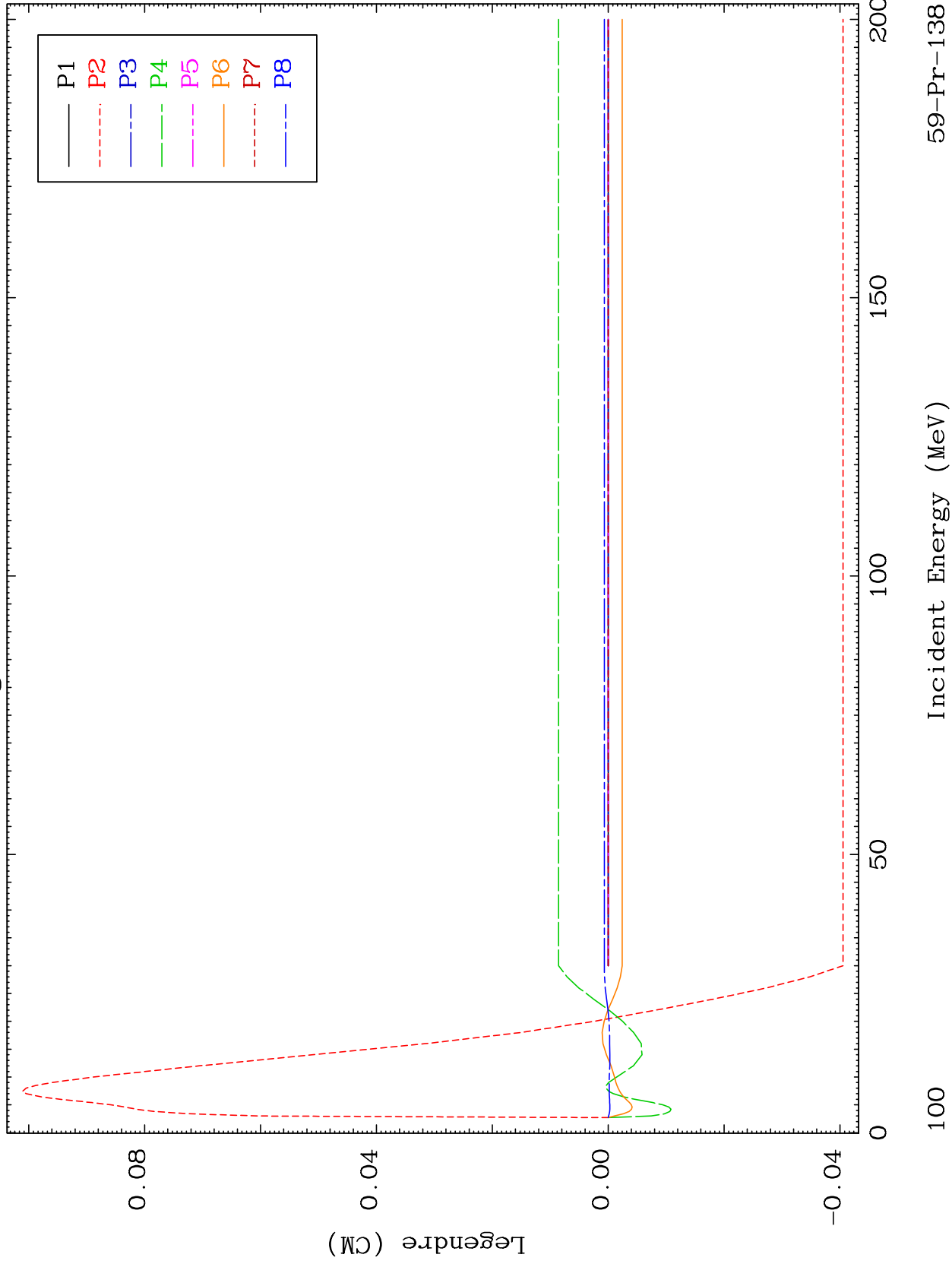
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138

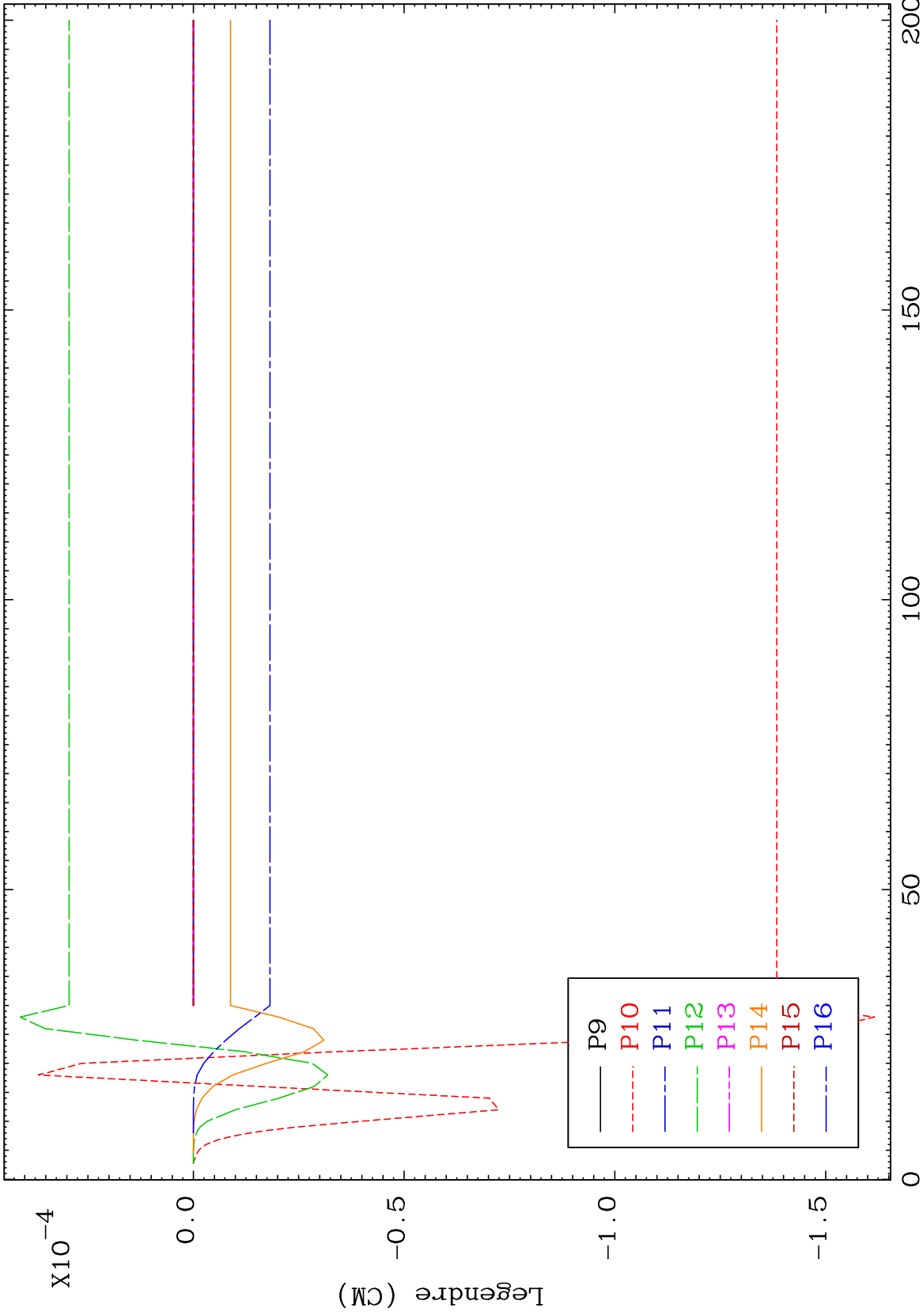


59-Pr-138

MAT 5916

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

59-Pr-138



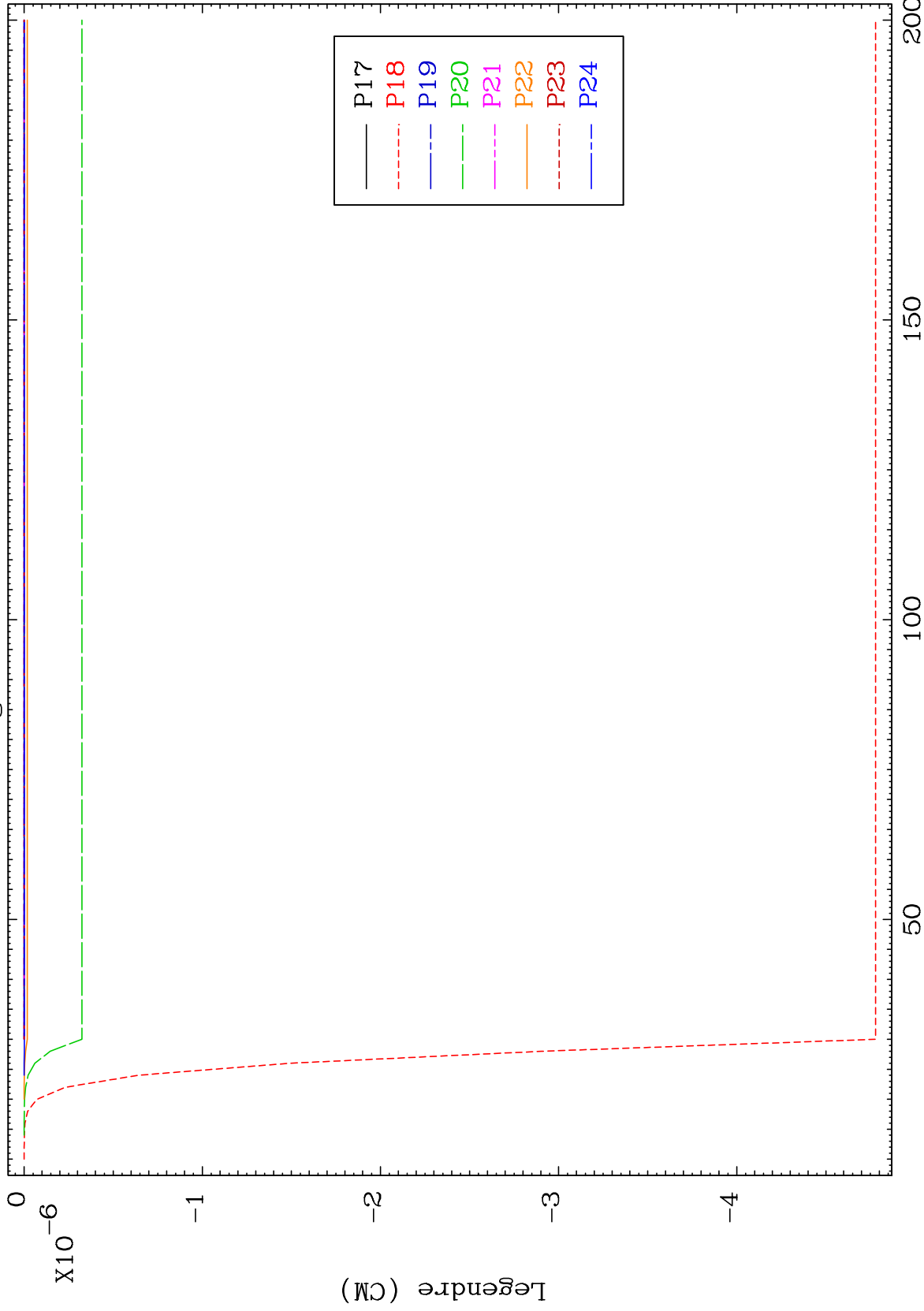
101

59-Pr-138

MAT 5916

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

59-Pr-138



102

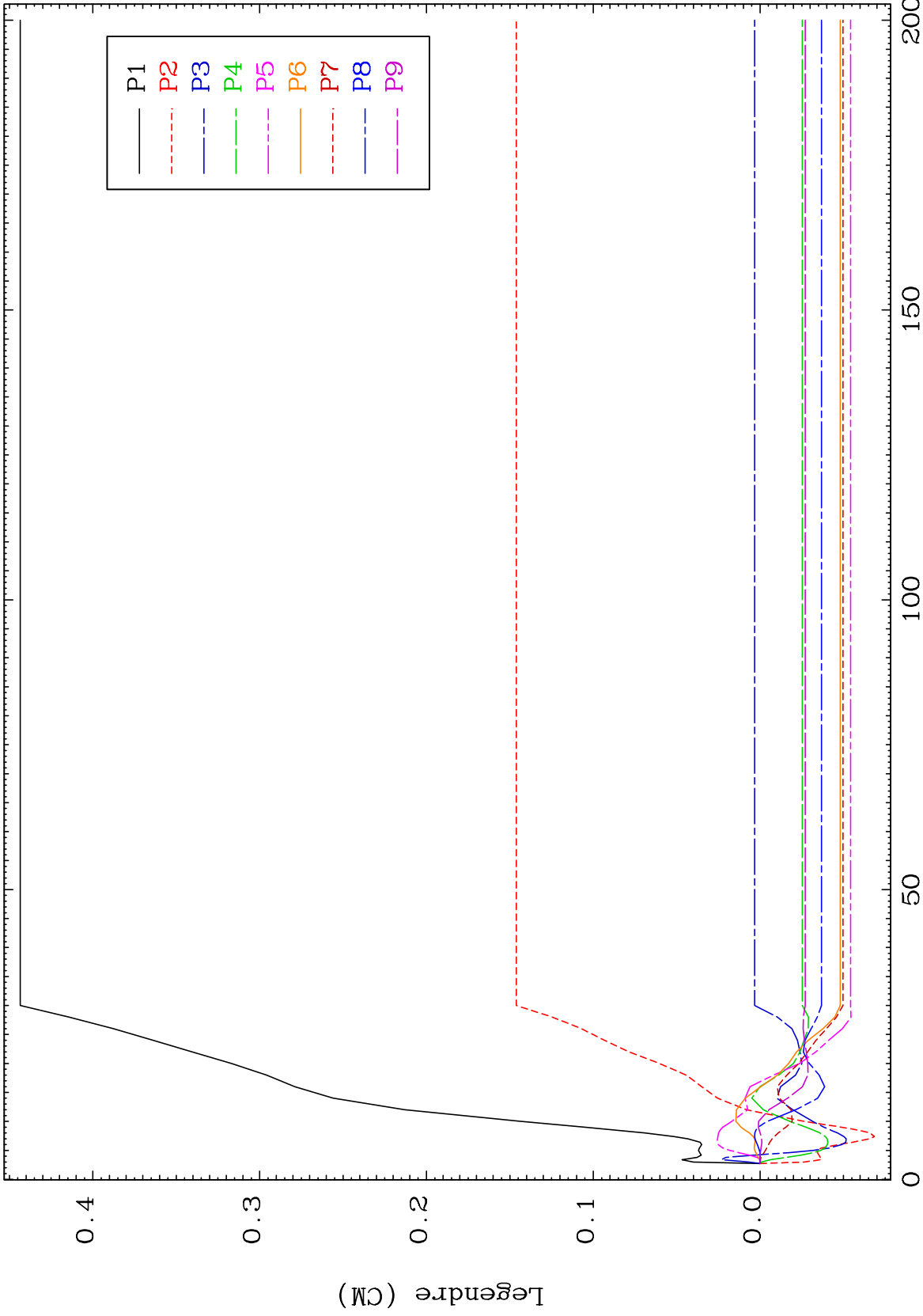
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



103

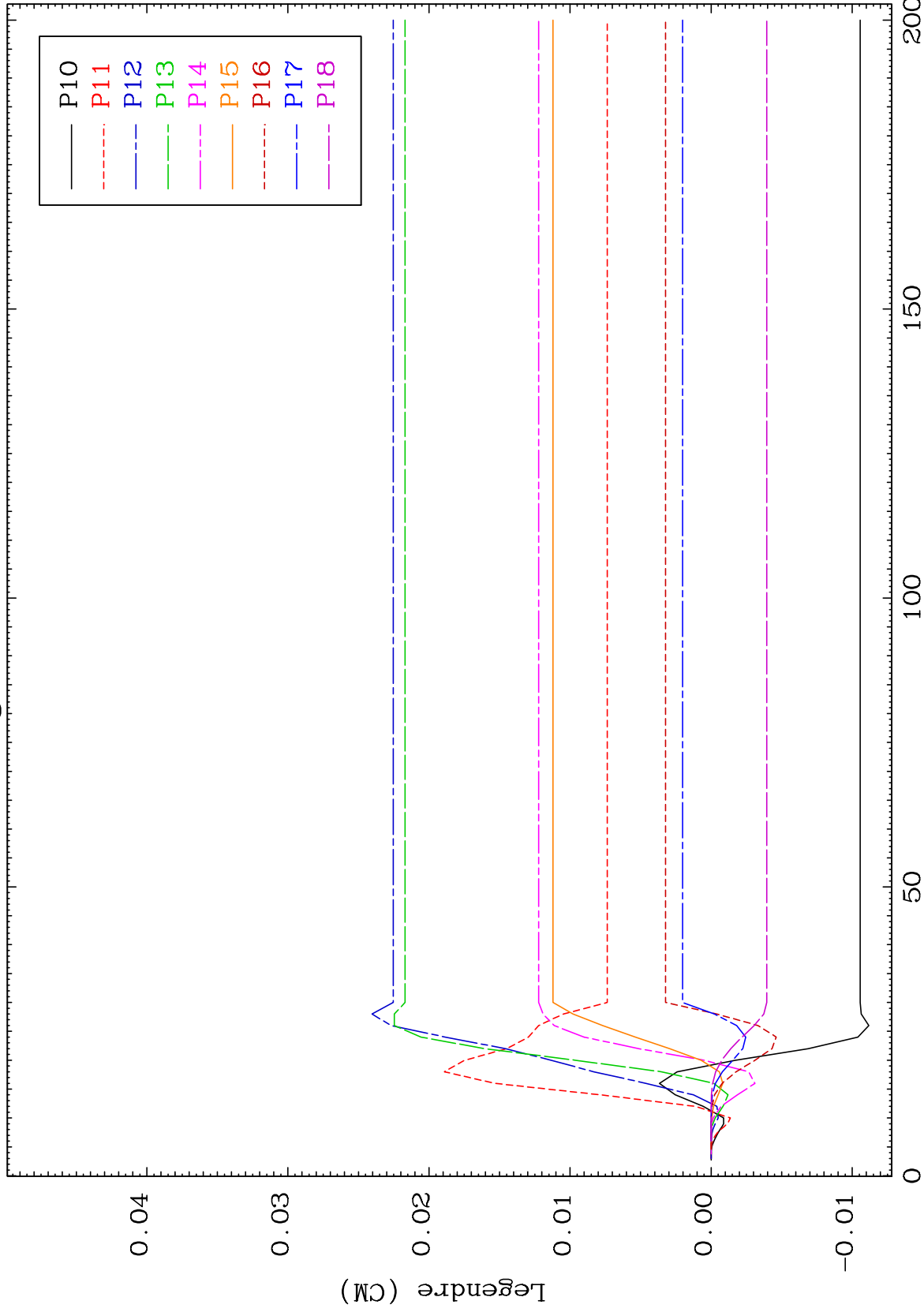
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



104

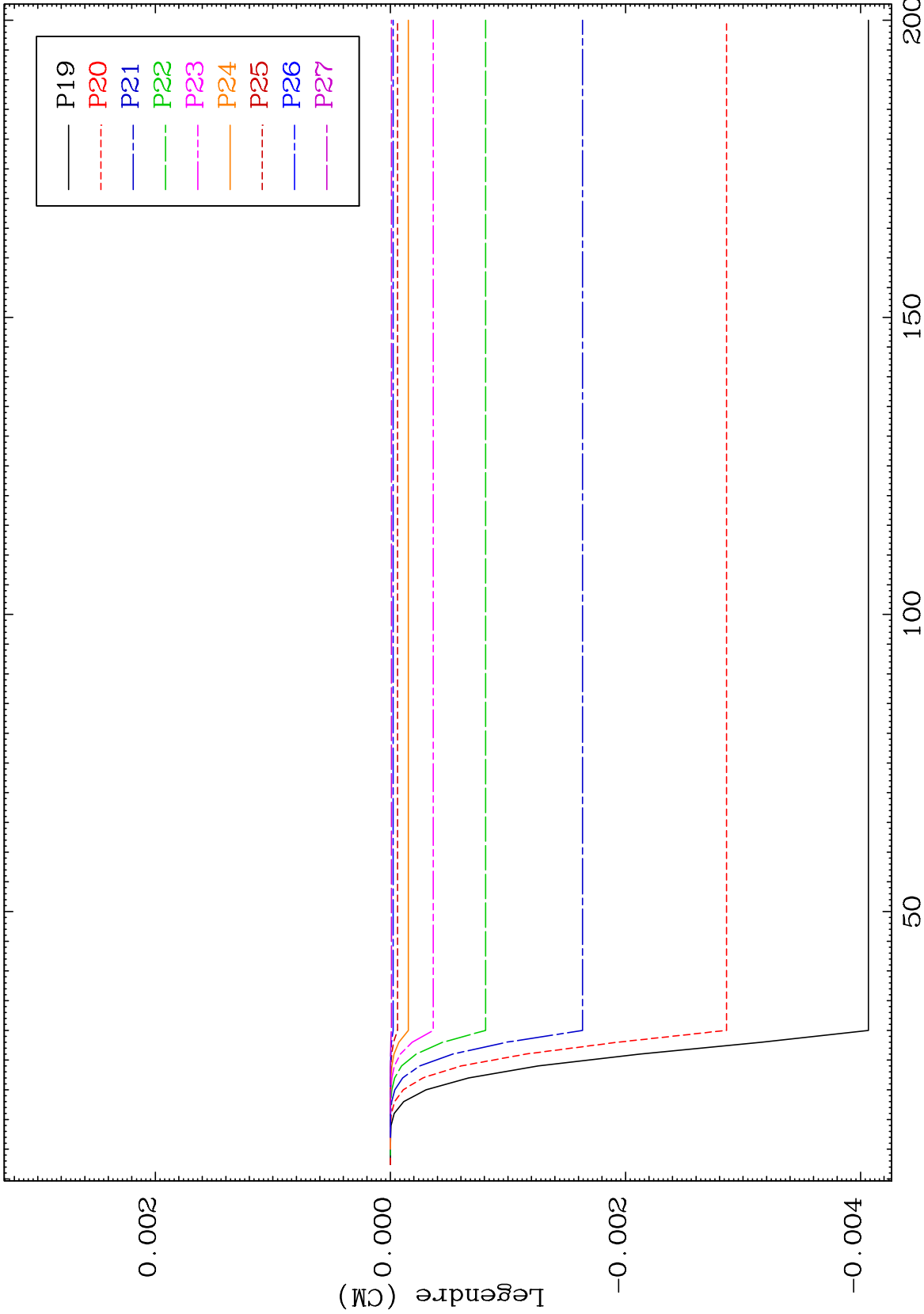
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



105

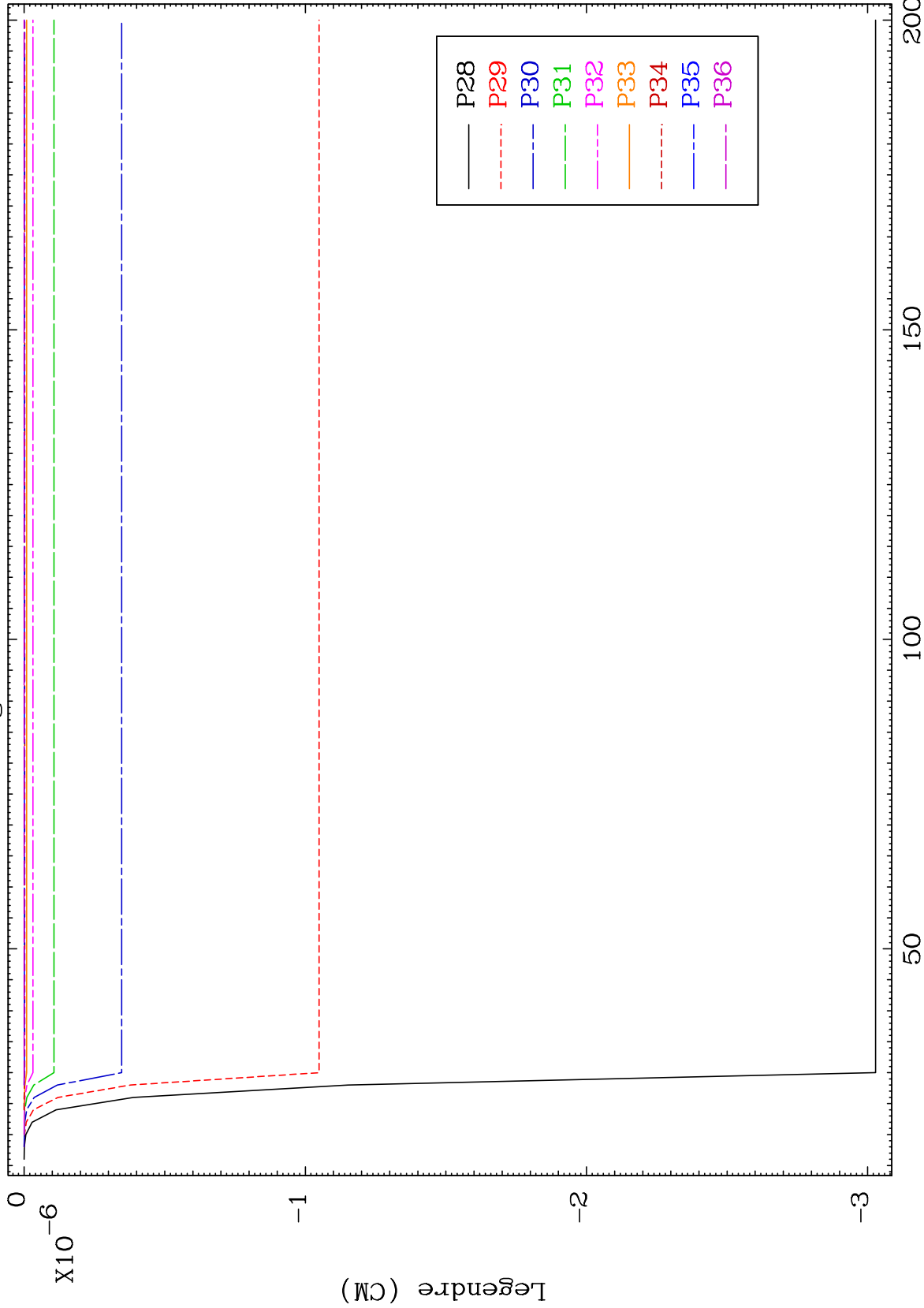
Incident Energy (MeV)

59-Pr-138

MAT 5916

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

59-Pr-138



106

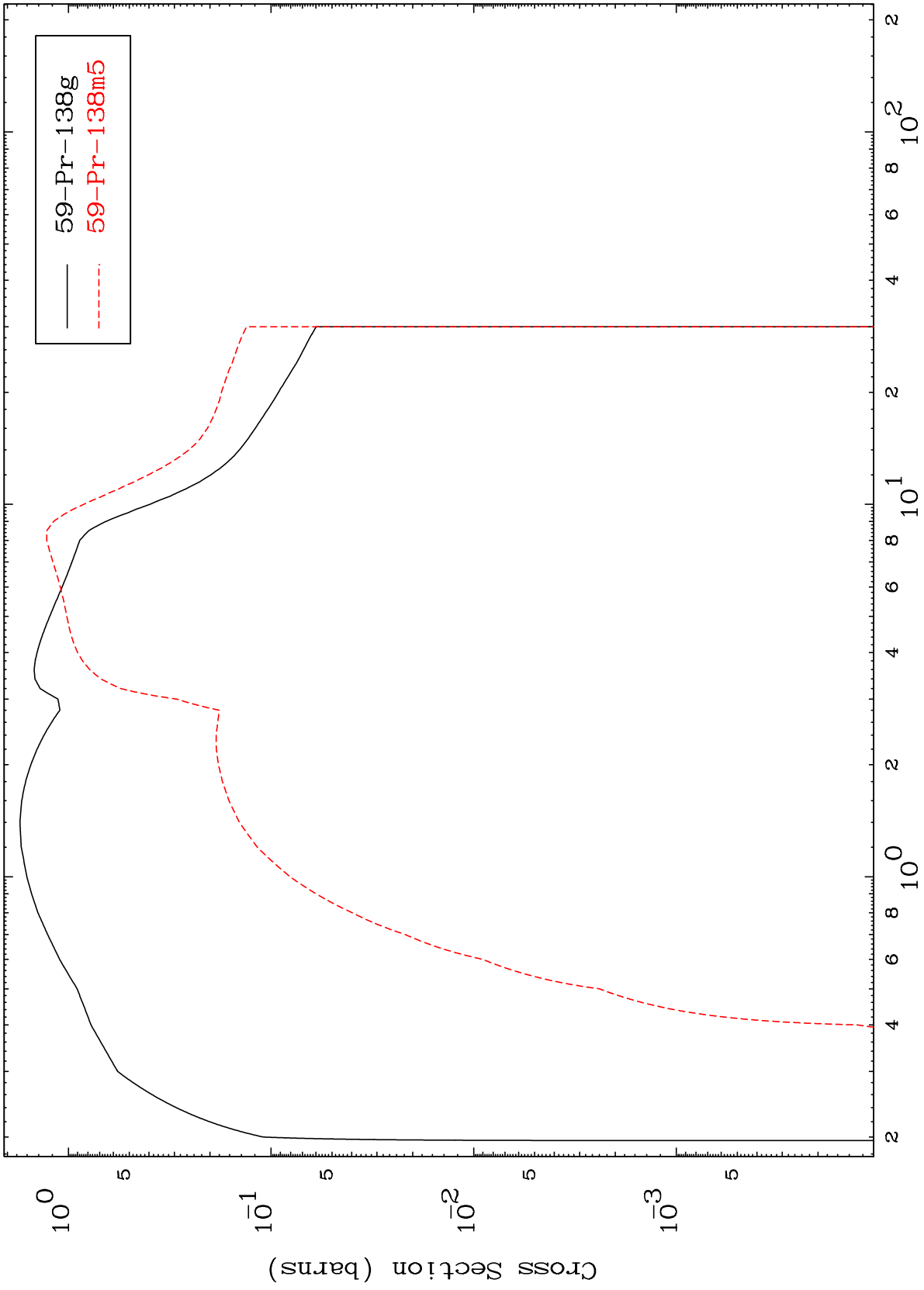
Incident Energy (MeV)

59-Pr-138

MAT 5916

59-Pr-138

Inelastic
Radionuclide Production Cross Section



107

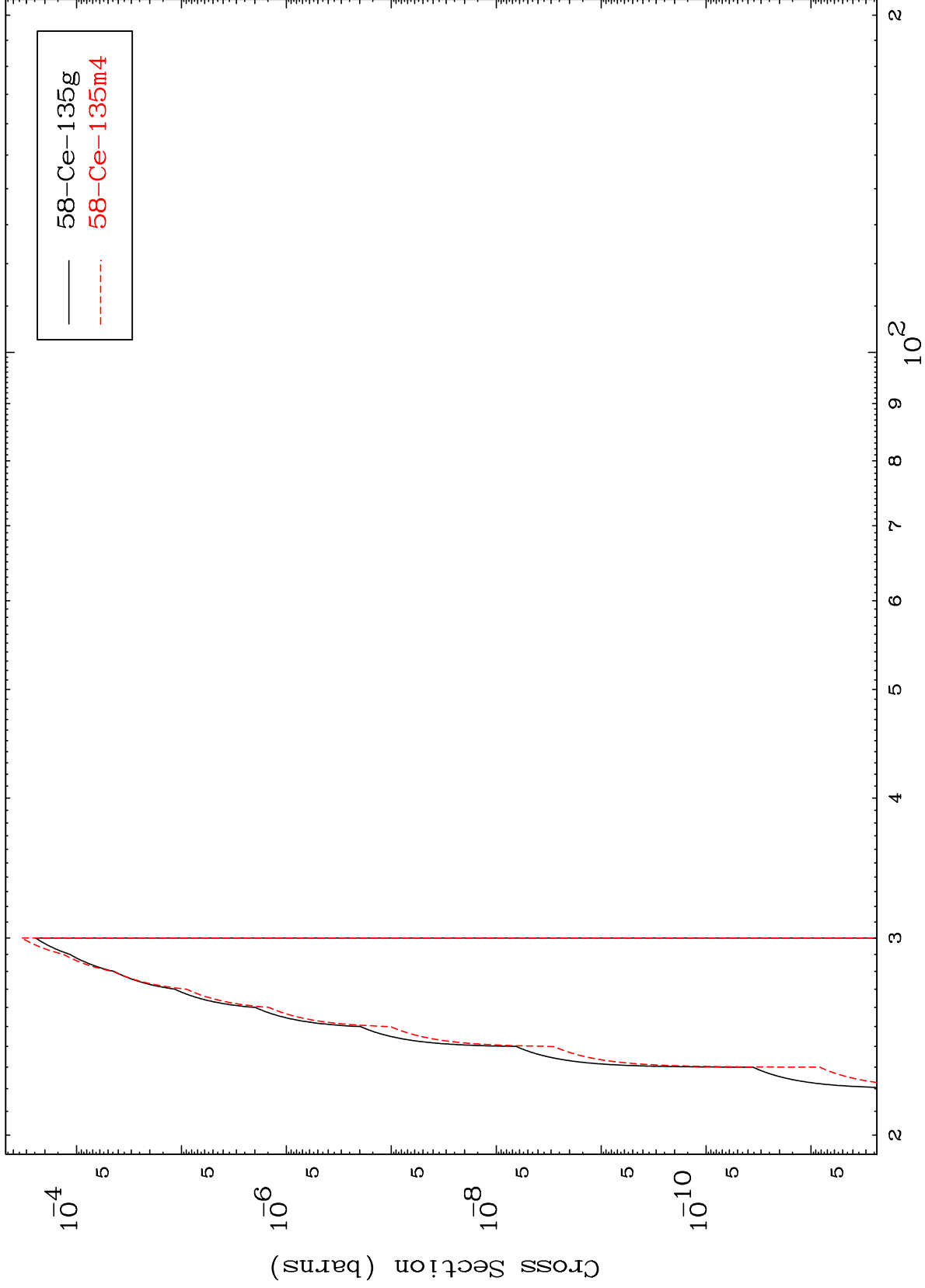
59-Pr-138

MAT 5916

(n,2n) d

59-Pr-138

Radionuclide Production Cross Section



108

Incident Energy (MeV)

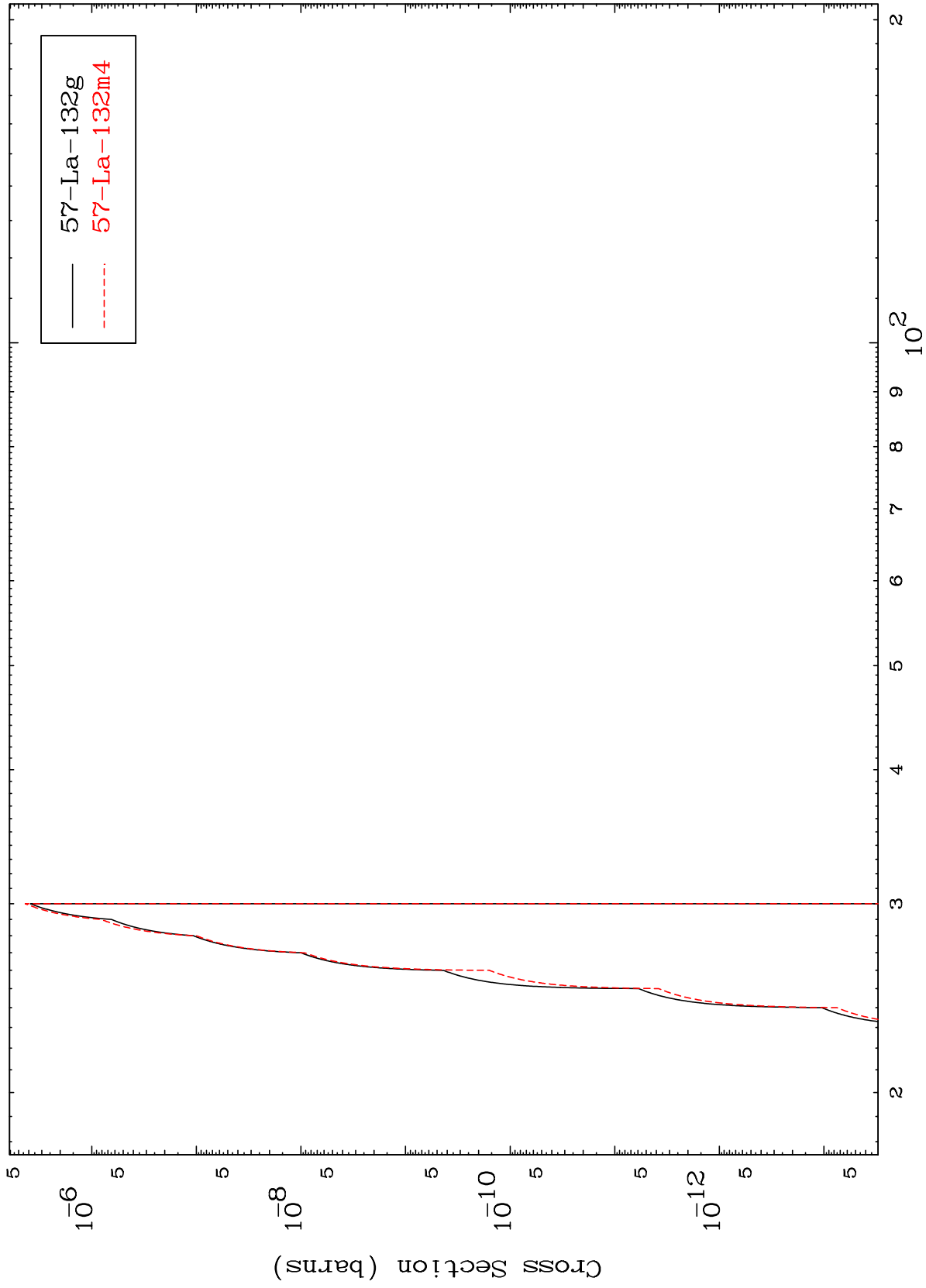
59-Pr-138

MAT 5916

(n,3n) α

59-Pr-138

Radionuclide Production Cross Section



109

Incident Energy (MeV)

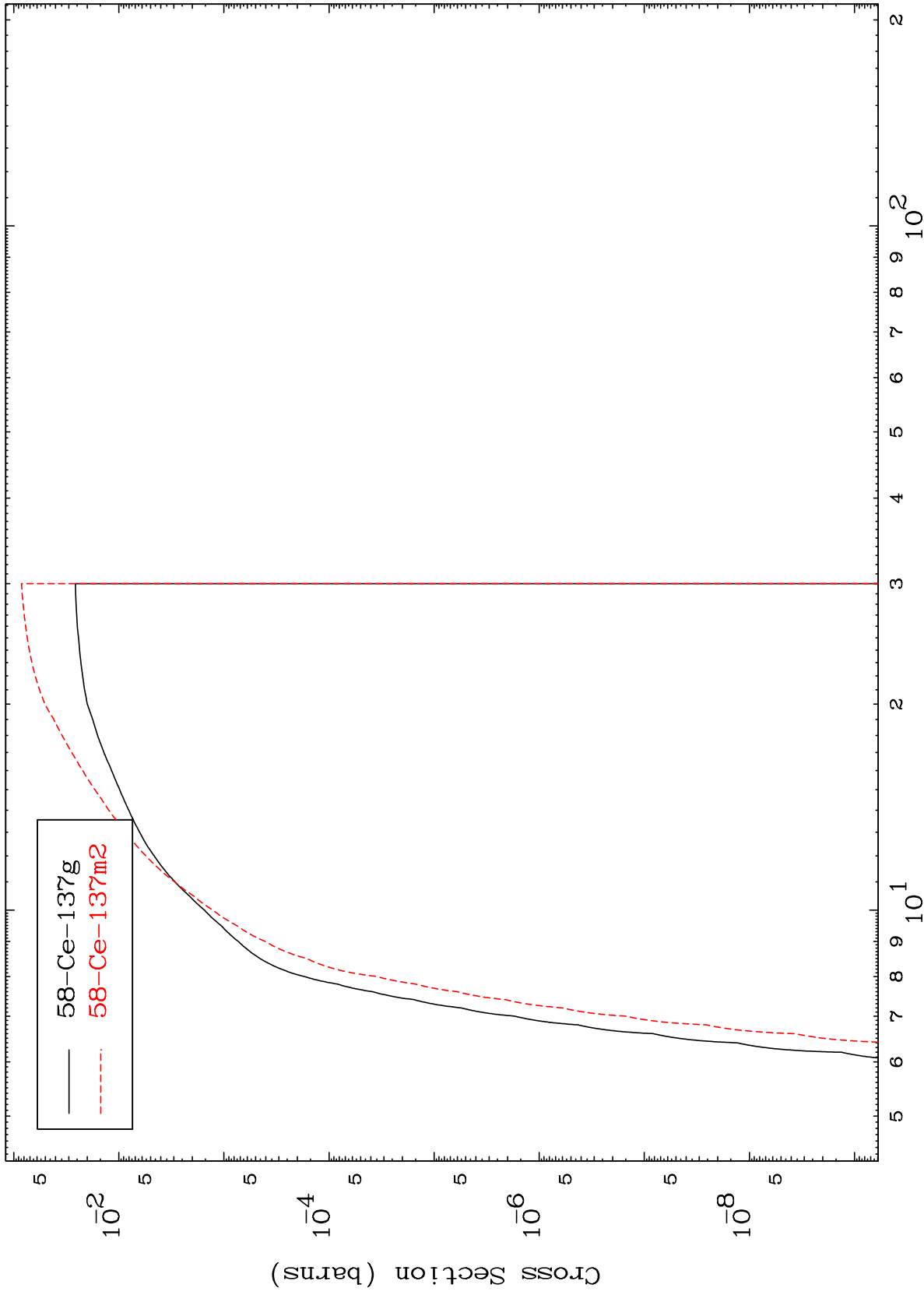
59-Pr-138

MAT 5916

(n,n') p

59-Pr-138

Radionuclide Production Cross Section



58-Ce-137g
58-Ce-137m2

110

Incident Energy (MeV)

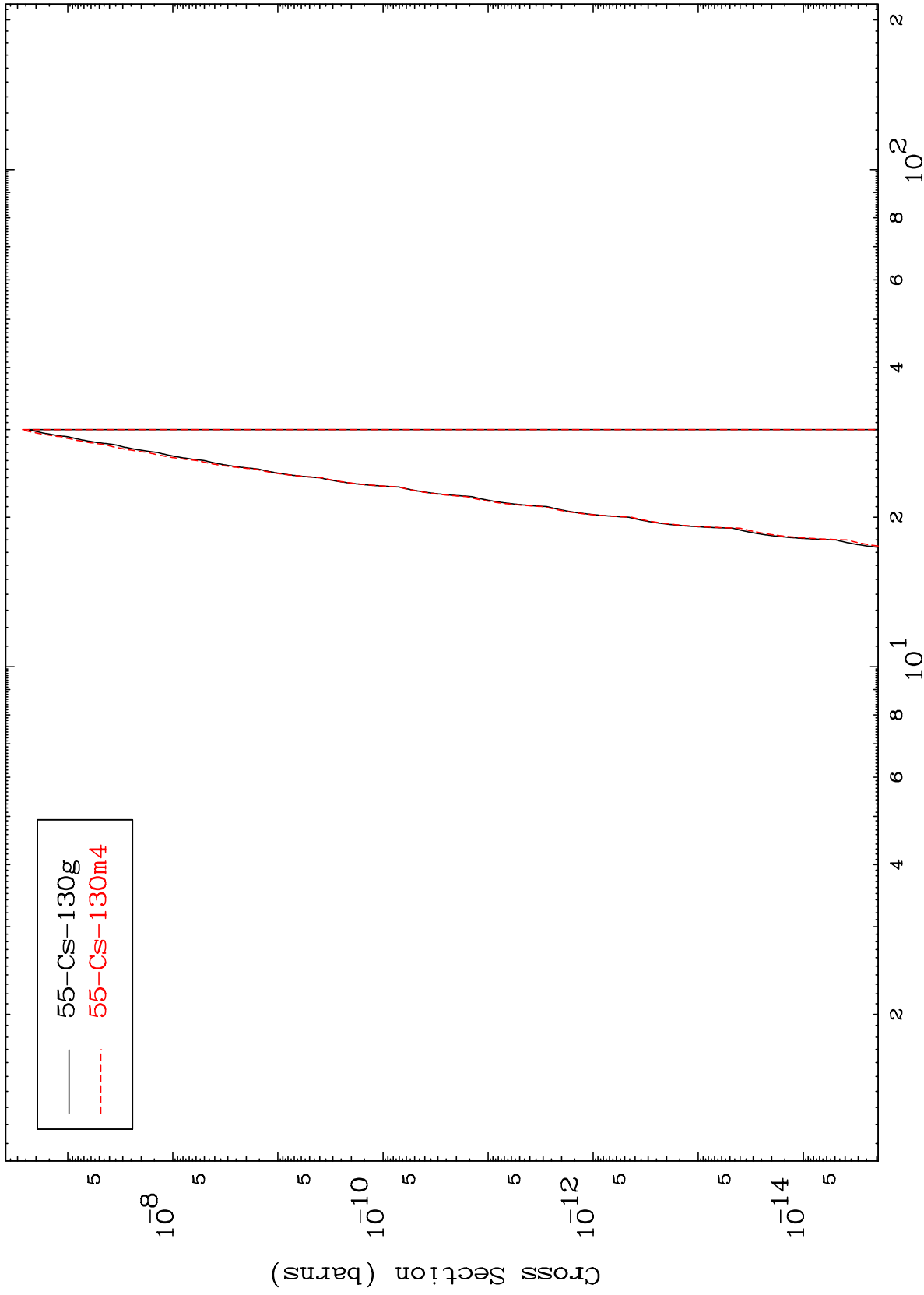
59-Pr-138

MAT 5916

(n,n') 2 α

59-Pr-138

Radionuclide Production Cross Section

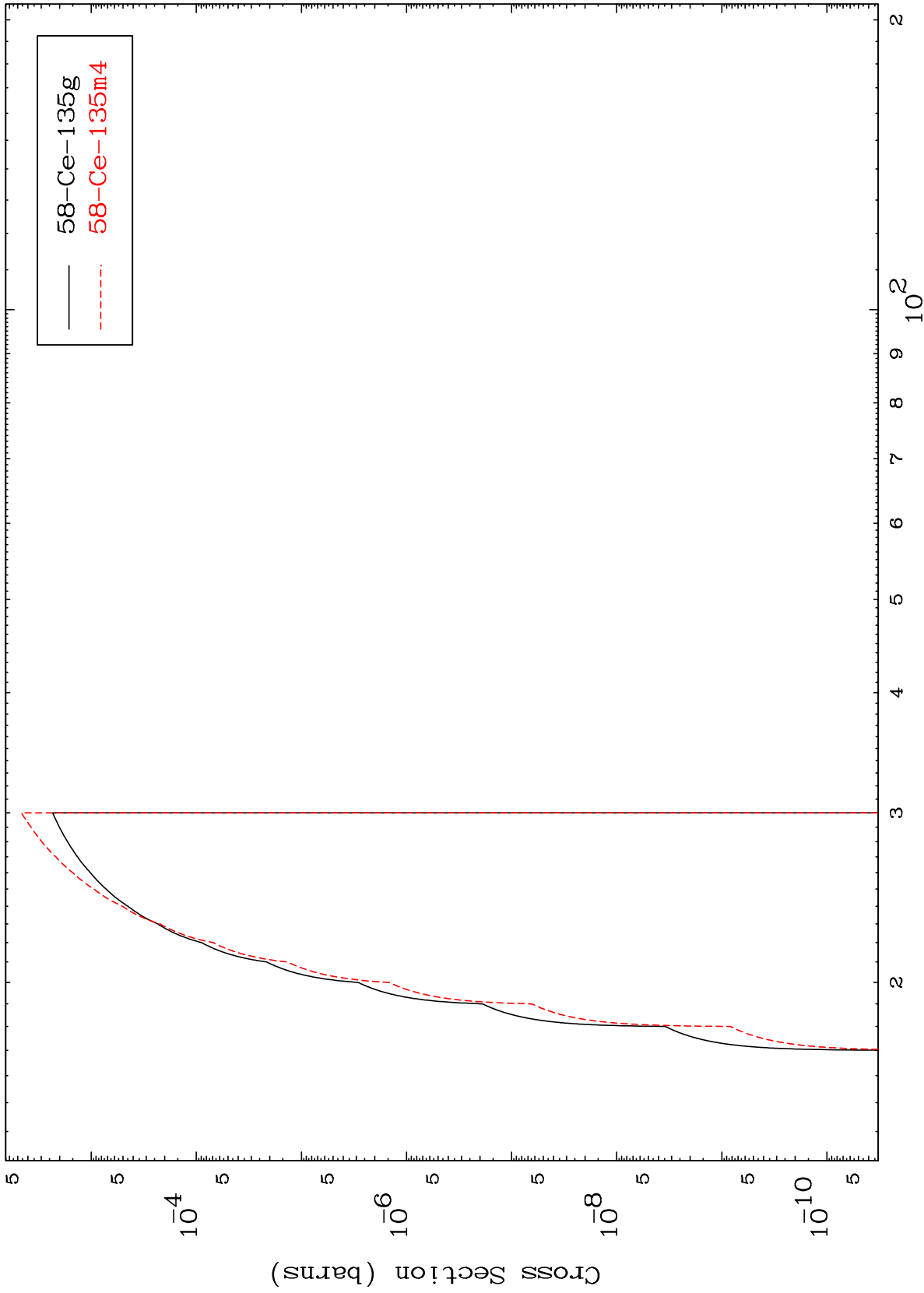


111

Incident Energy (MeV)

59-Pr-138

Radionuclide Production Cross Section

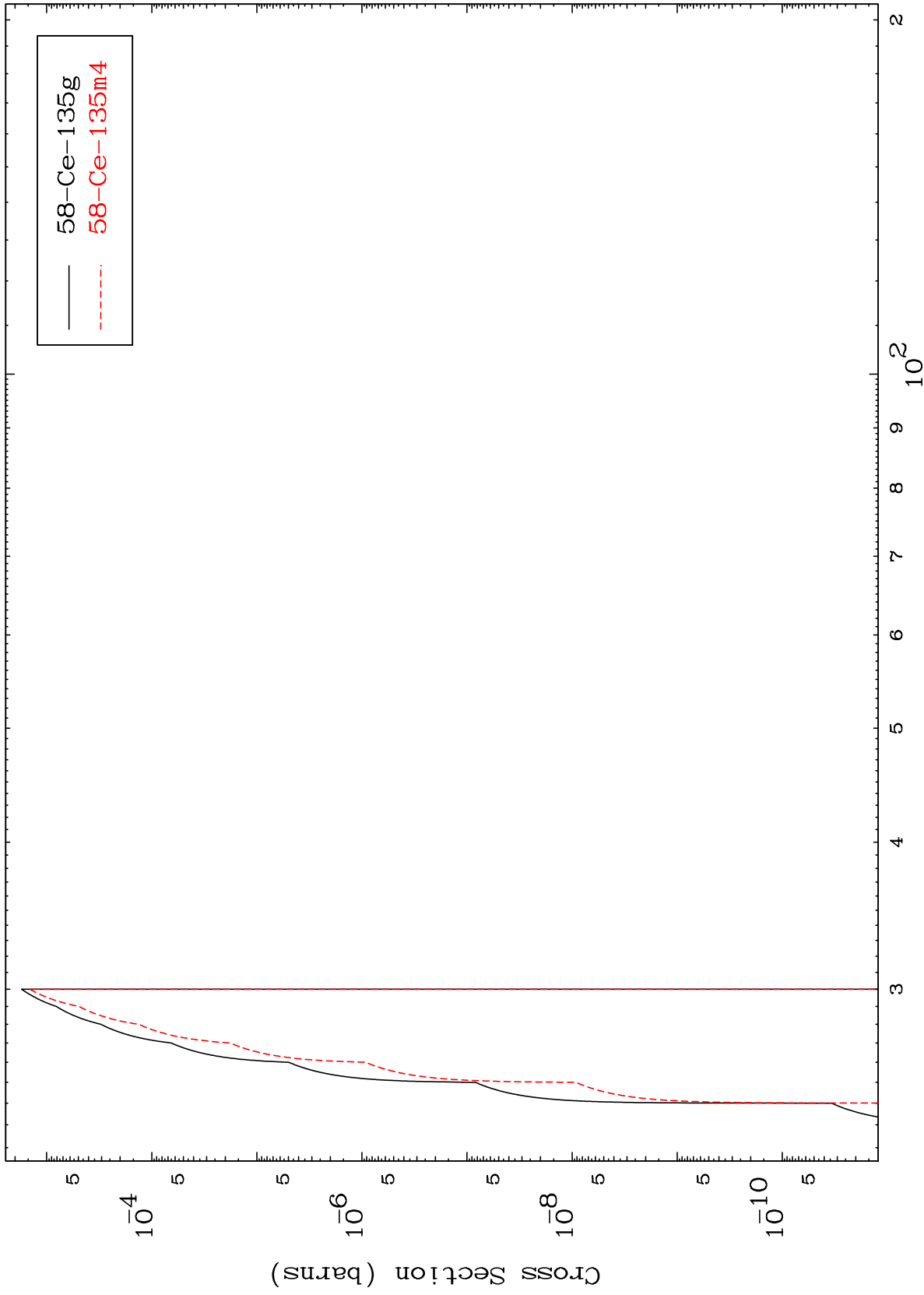


MAT 5916

(n,3n) p

59-Pr-138

Radionuclide Production Cross Section



113

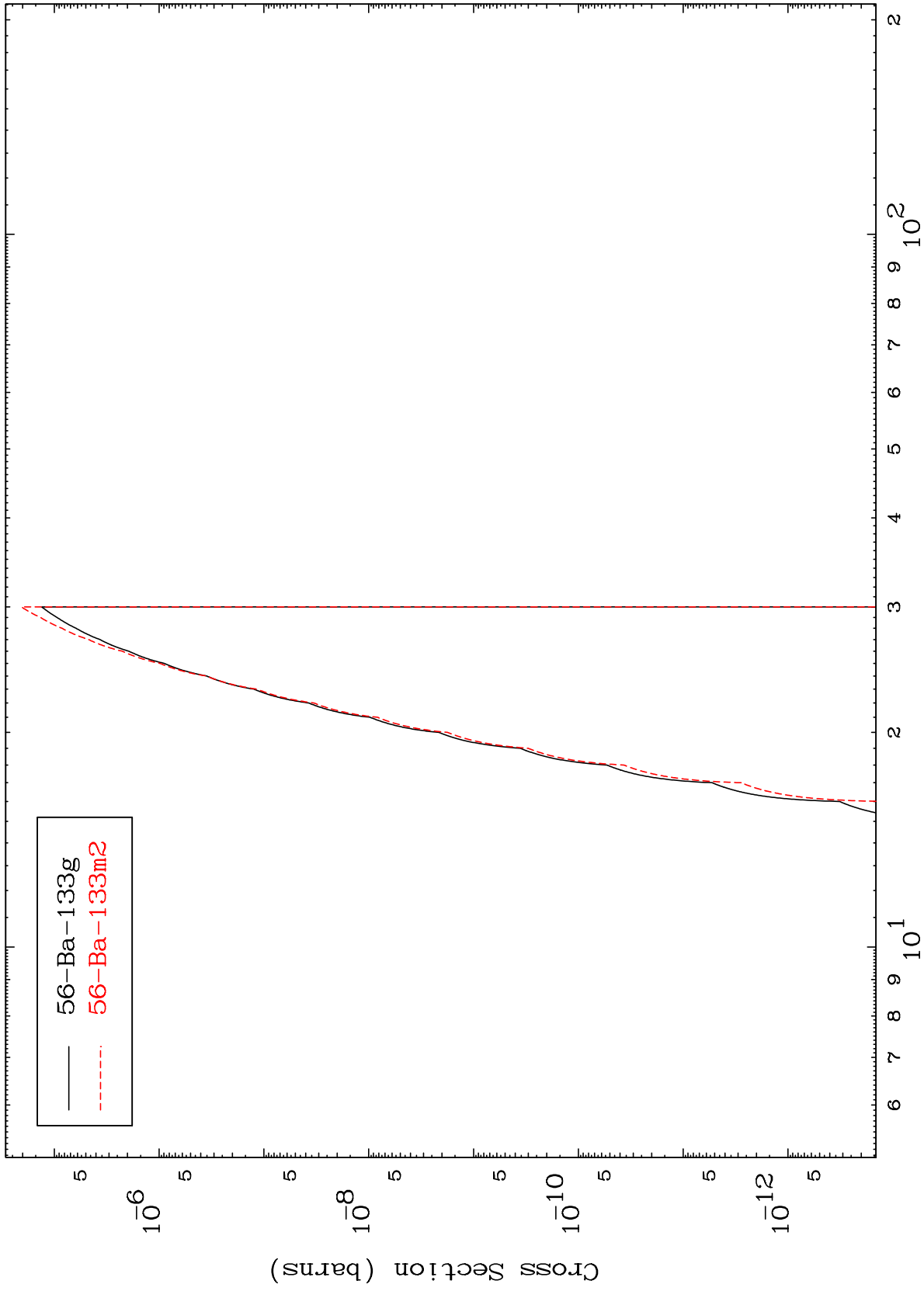
Incident Energy (MeV)

59-Pr-138

MAT 5916

59-Pr-138

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



114

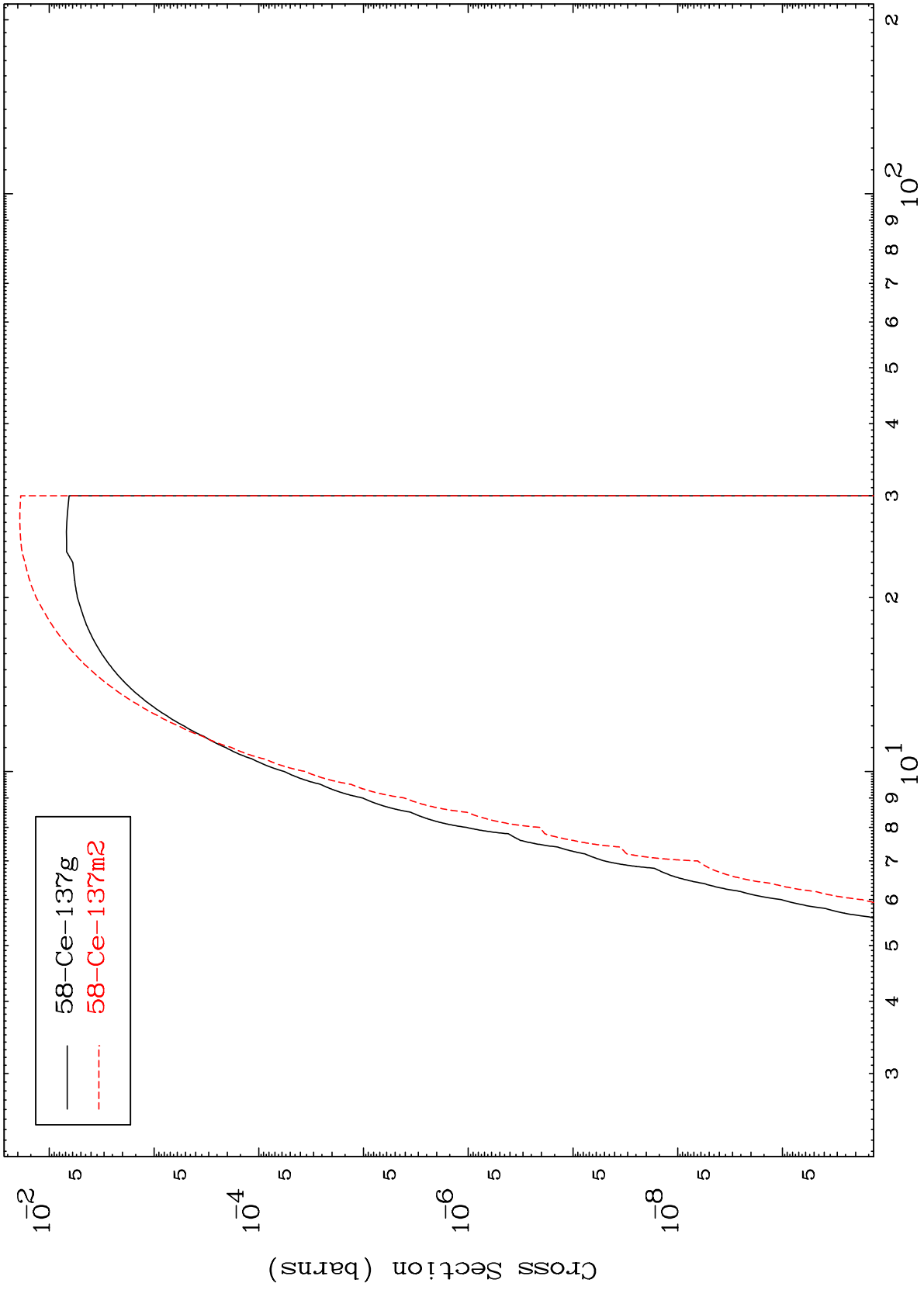
Incident Energy (MeV)

59-Pr-138

MAT 5916

59-Pr-138

(n,d)
Radionuclide Production Cross Section



115

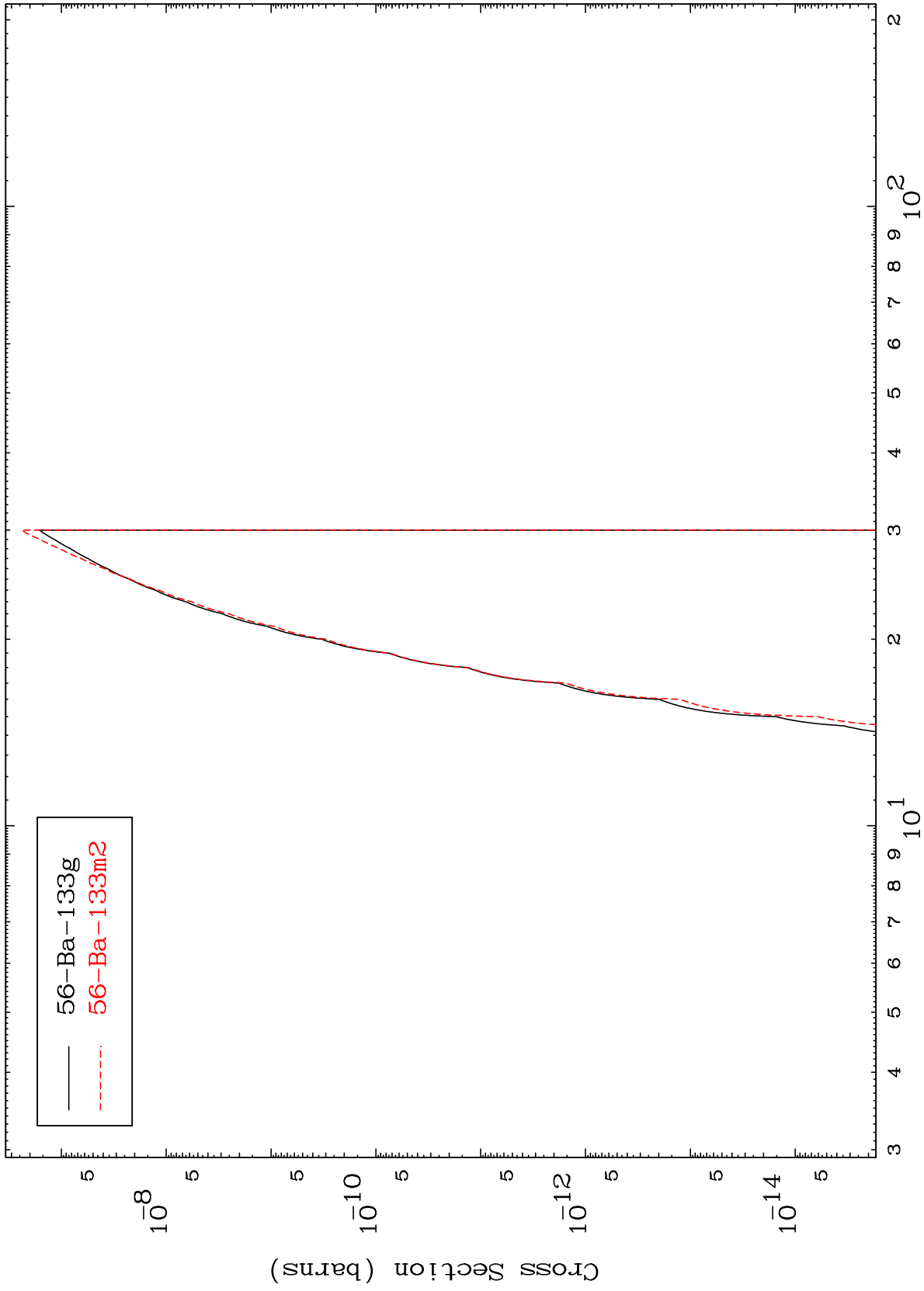
59-Pr-138

MAT 5916

(n,d) α

59-Pr-138

Radionuclide Production Cross Section



116

Incident Energy (MeV)

59-Pr-138