

Program EVALPLOT  
(Version 2021-1)

by

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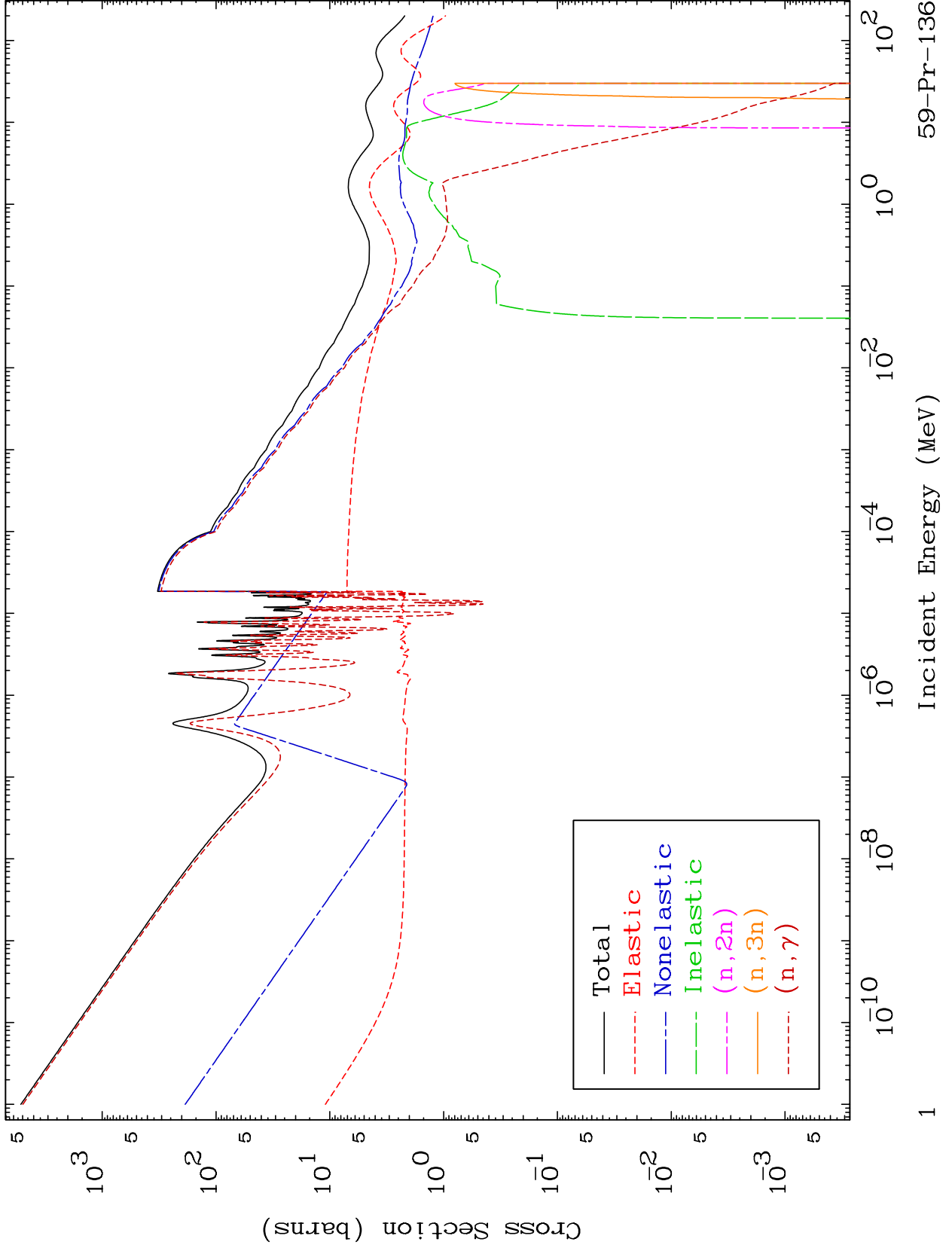
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5910

Neutron Major  
293 Kelvin Cross Sections

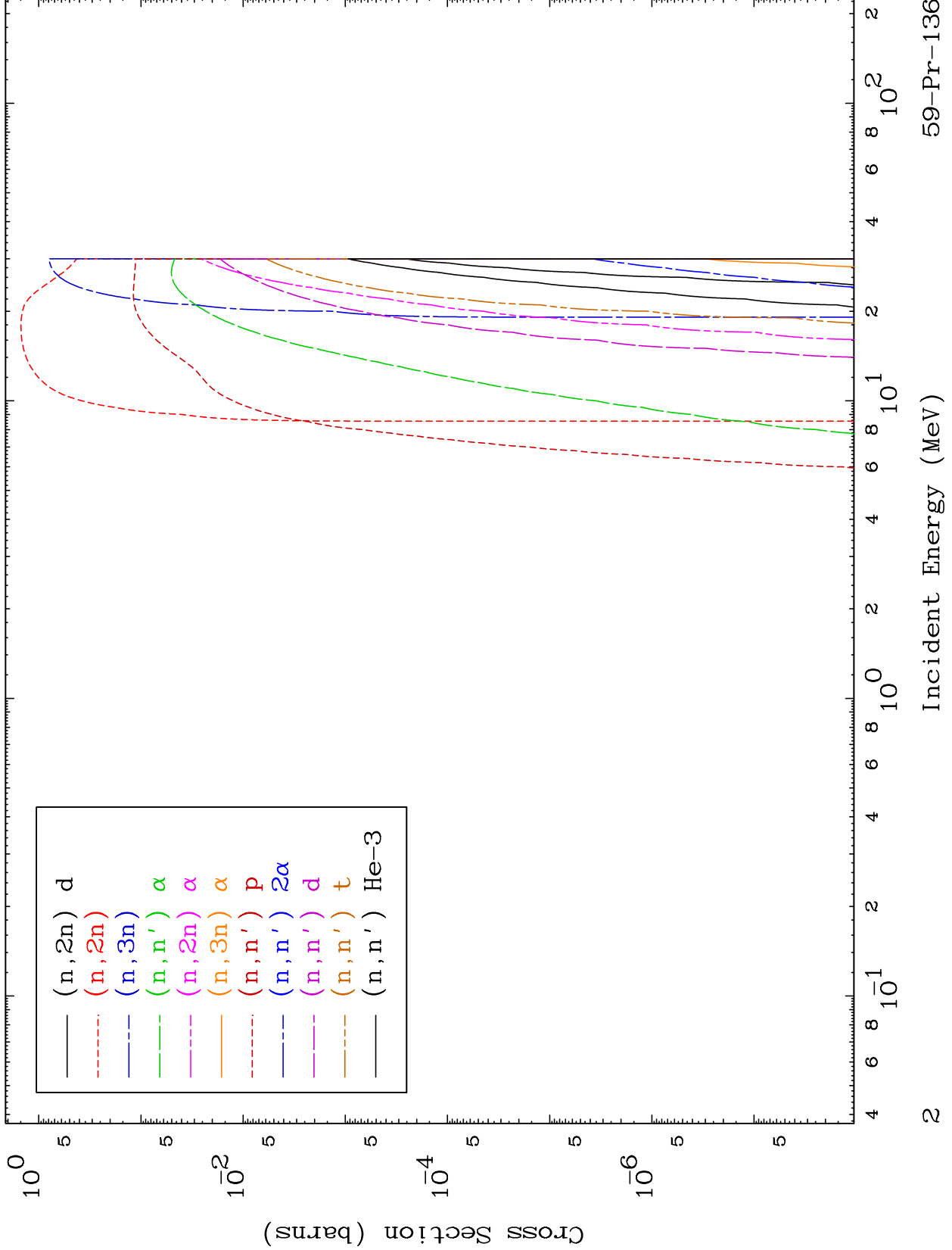
59-Pr-136



MAT 5910

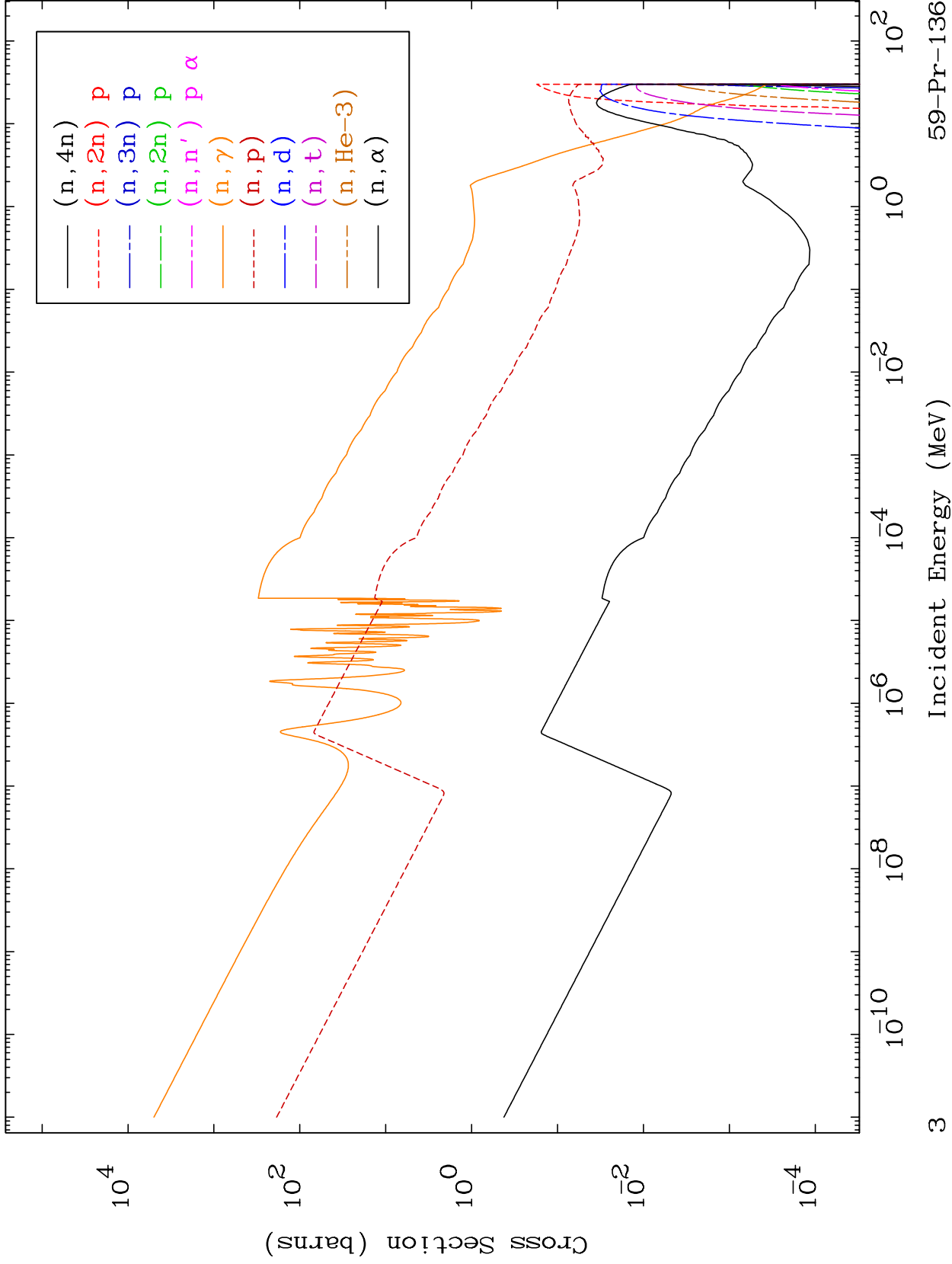
Neutron Absorption  
293 Kelvin Cross Sections

59-Pr-136



59-Pr-136

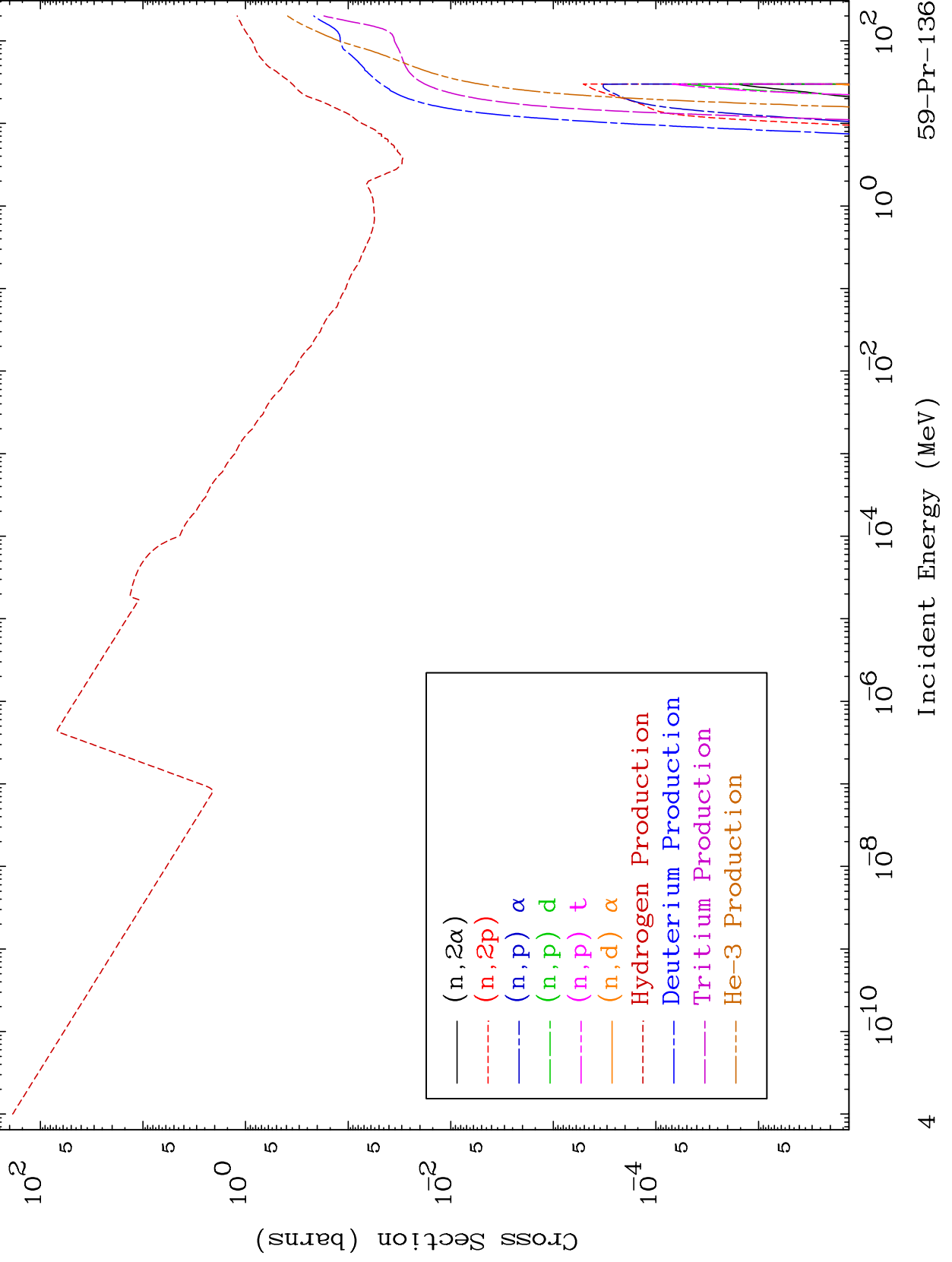
Incident Energy (MeV)



MAT 5910

Neutron Absorption  
293 Kelvin Cross Sections

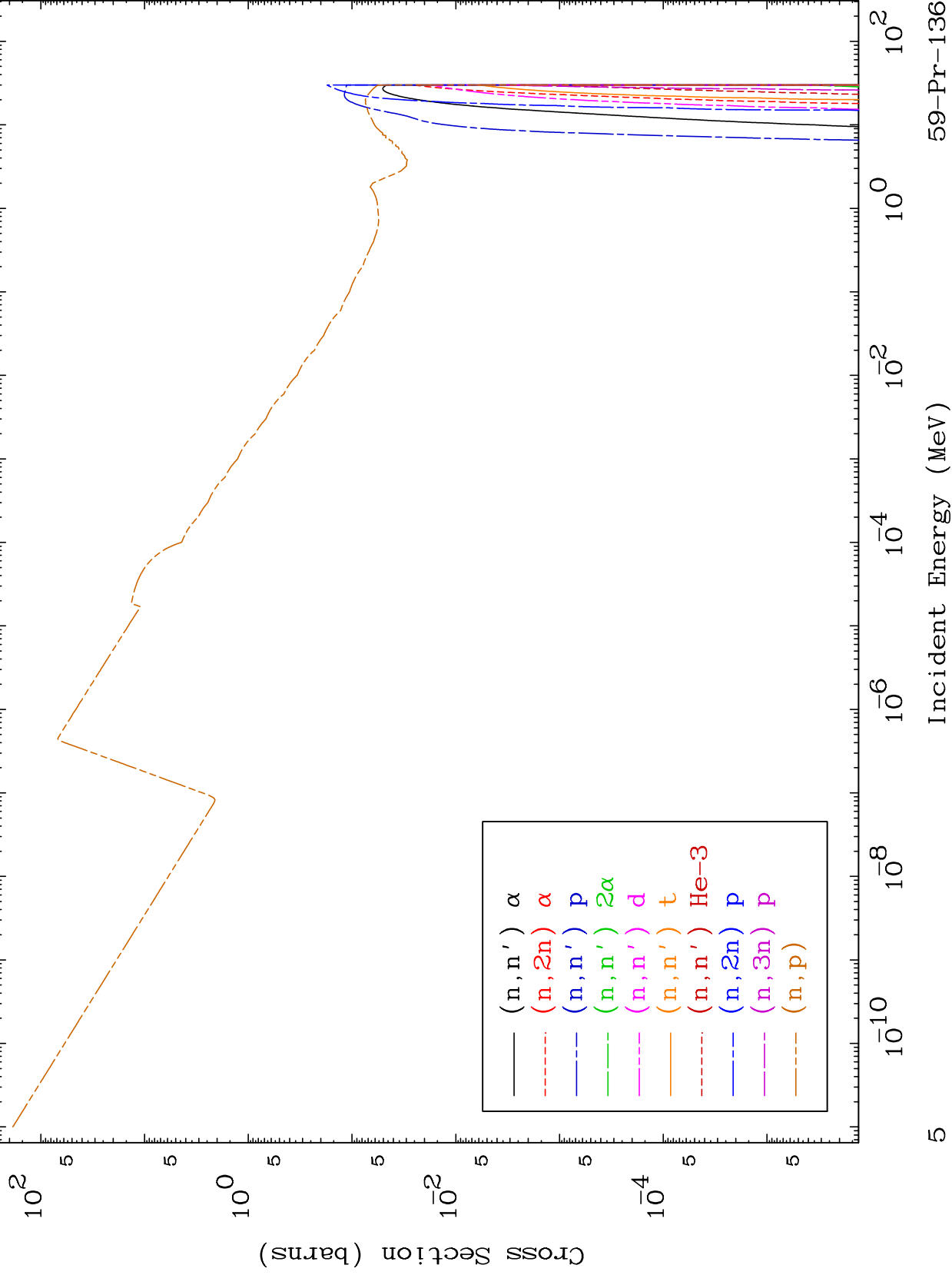
59-Pr-136



MAT 5910

Charged Particle  
293 Kelvin Cross Sections

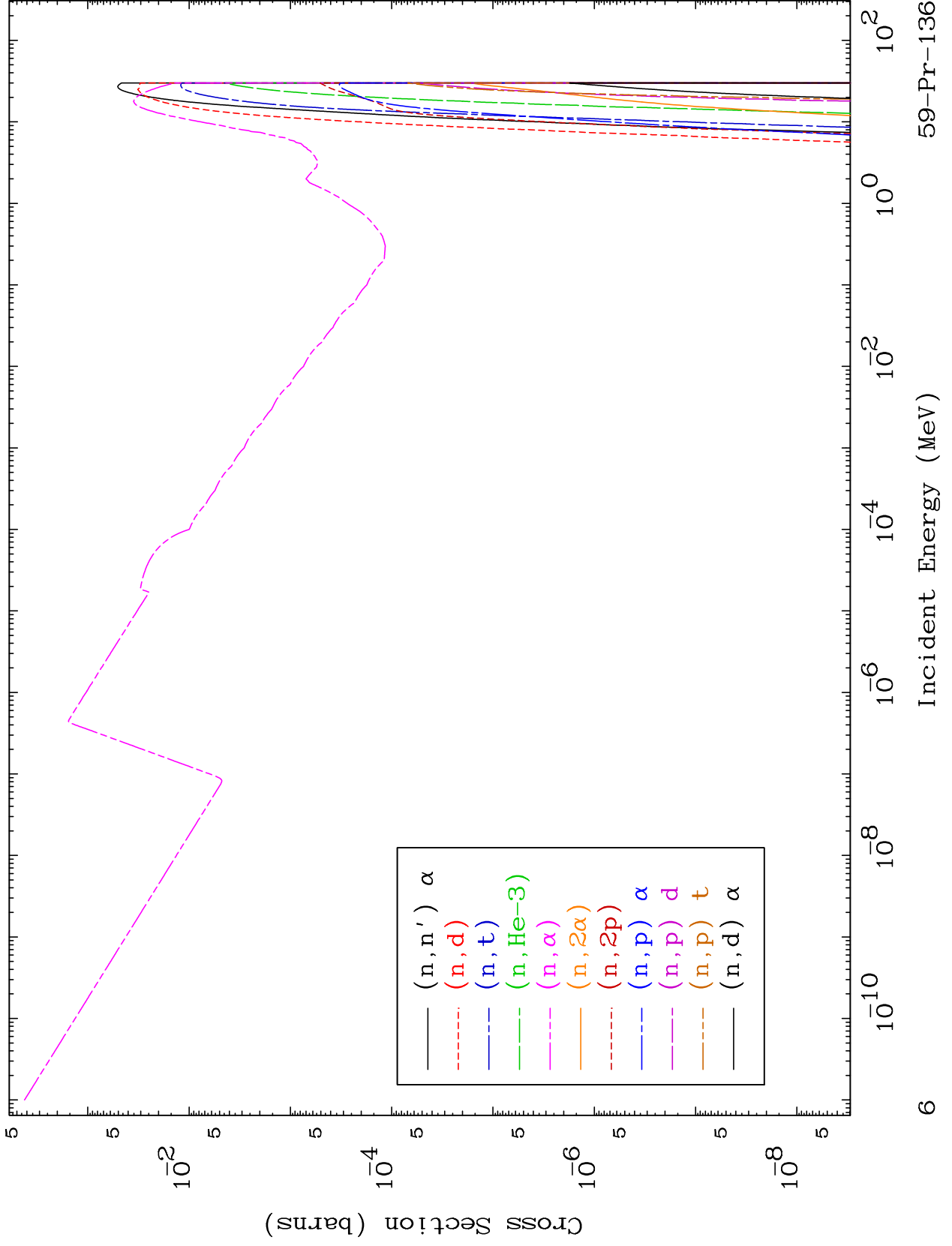
59-Pr-136

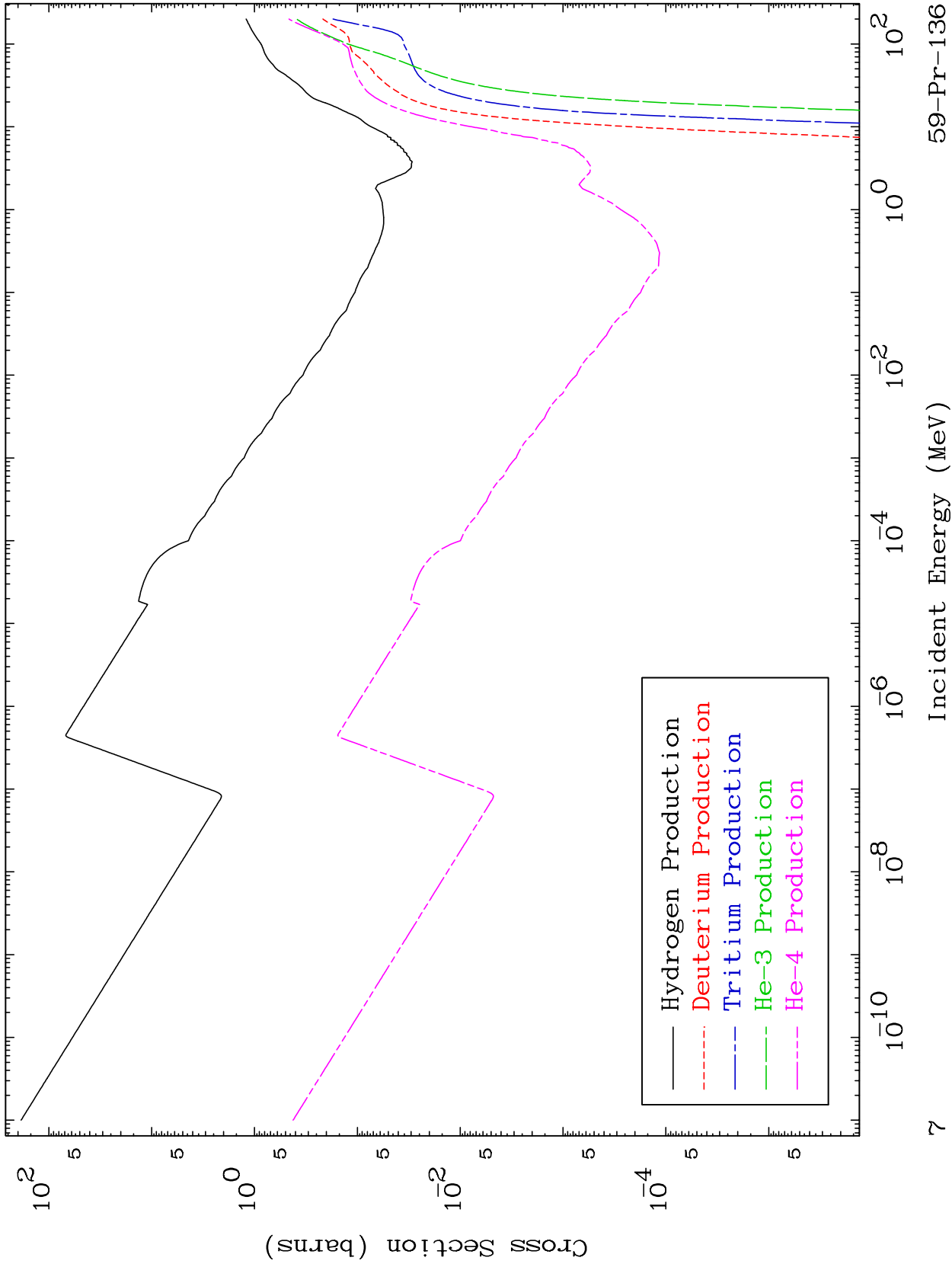


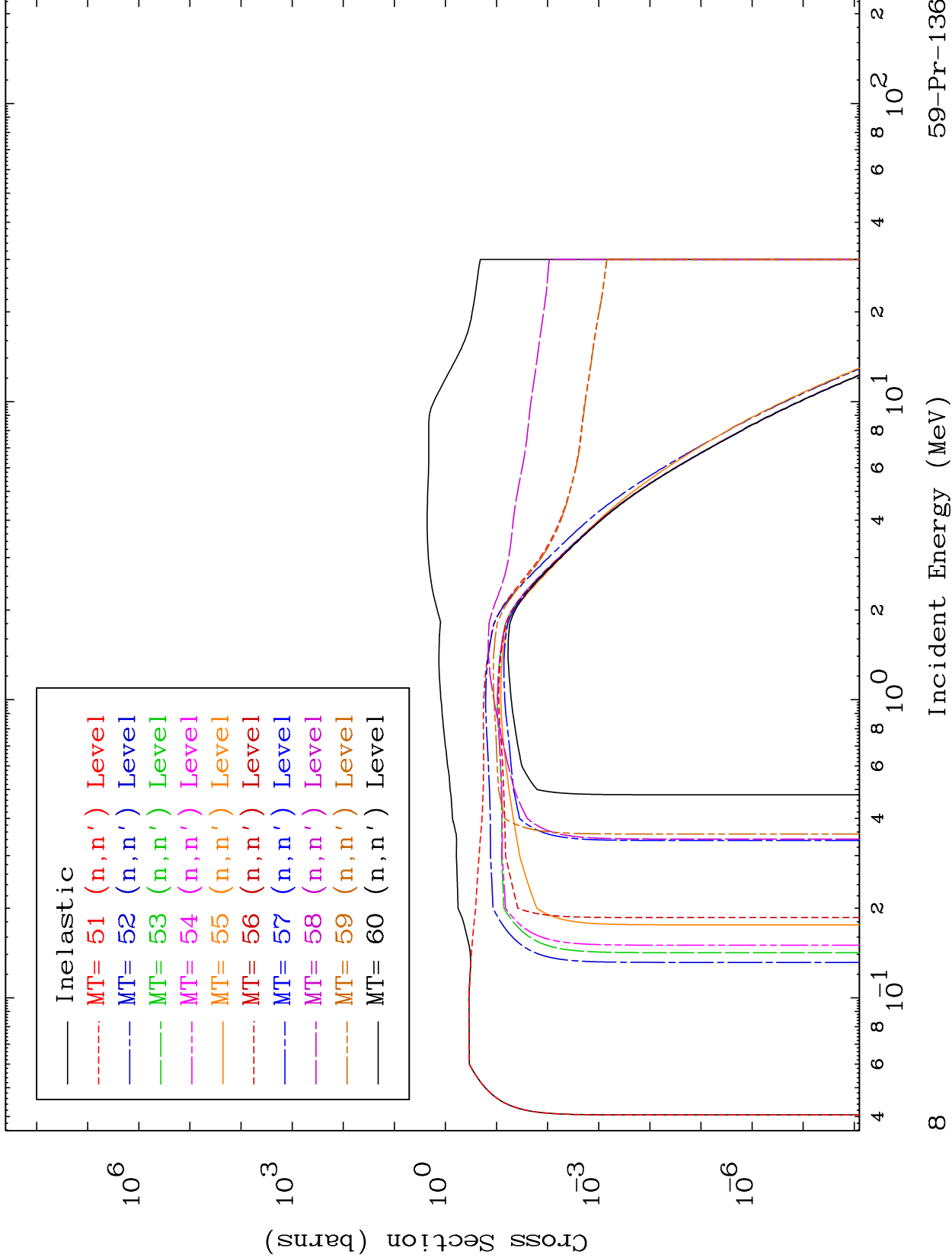
MAT 5910

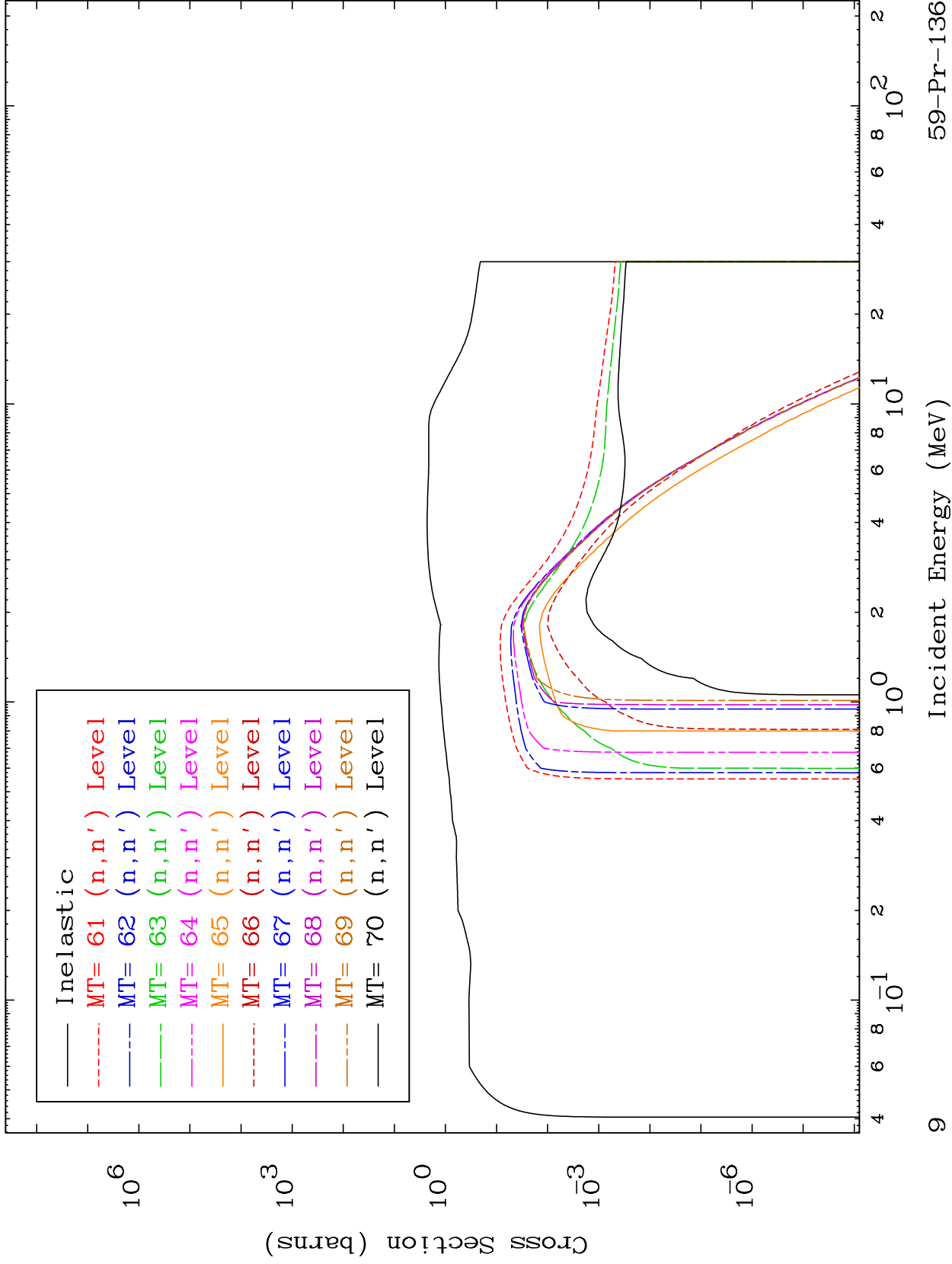
Charged Particle  
293 Kelvin Cross Sections

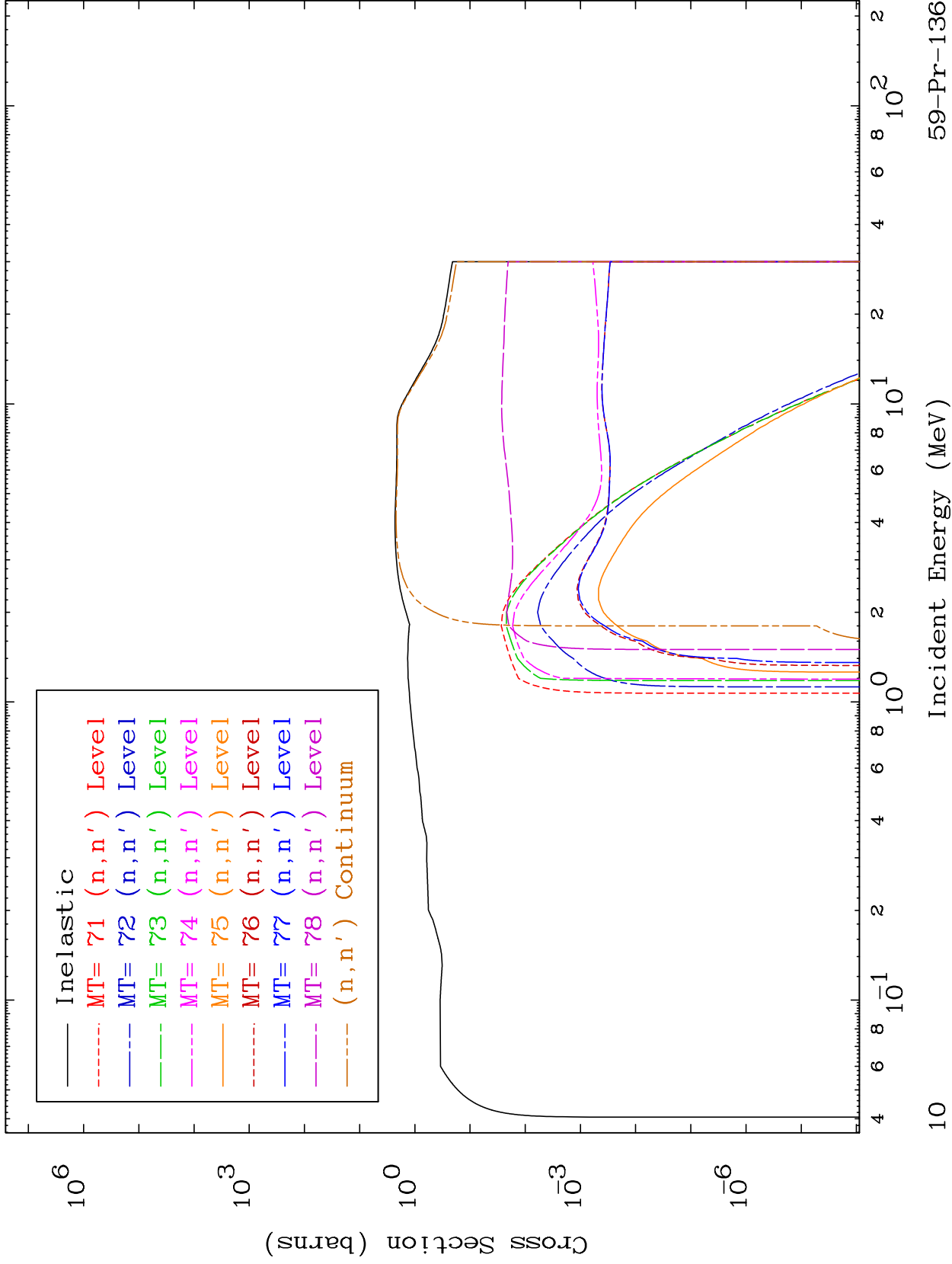
59-Pr-136







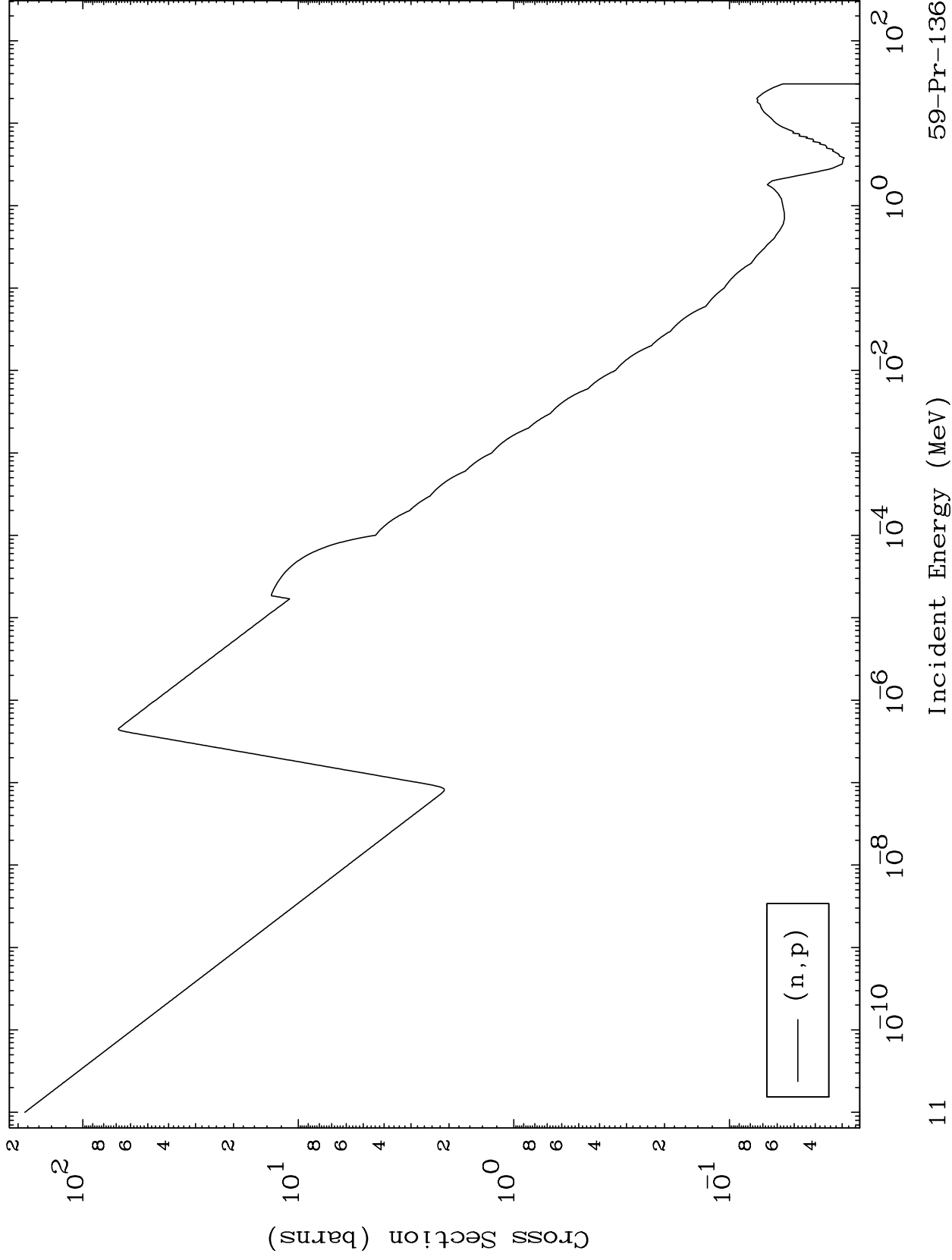




MAT 5910

(n,p) Levels  
293 Kelvin Cross Sections

59-Pr-136

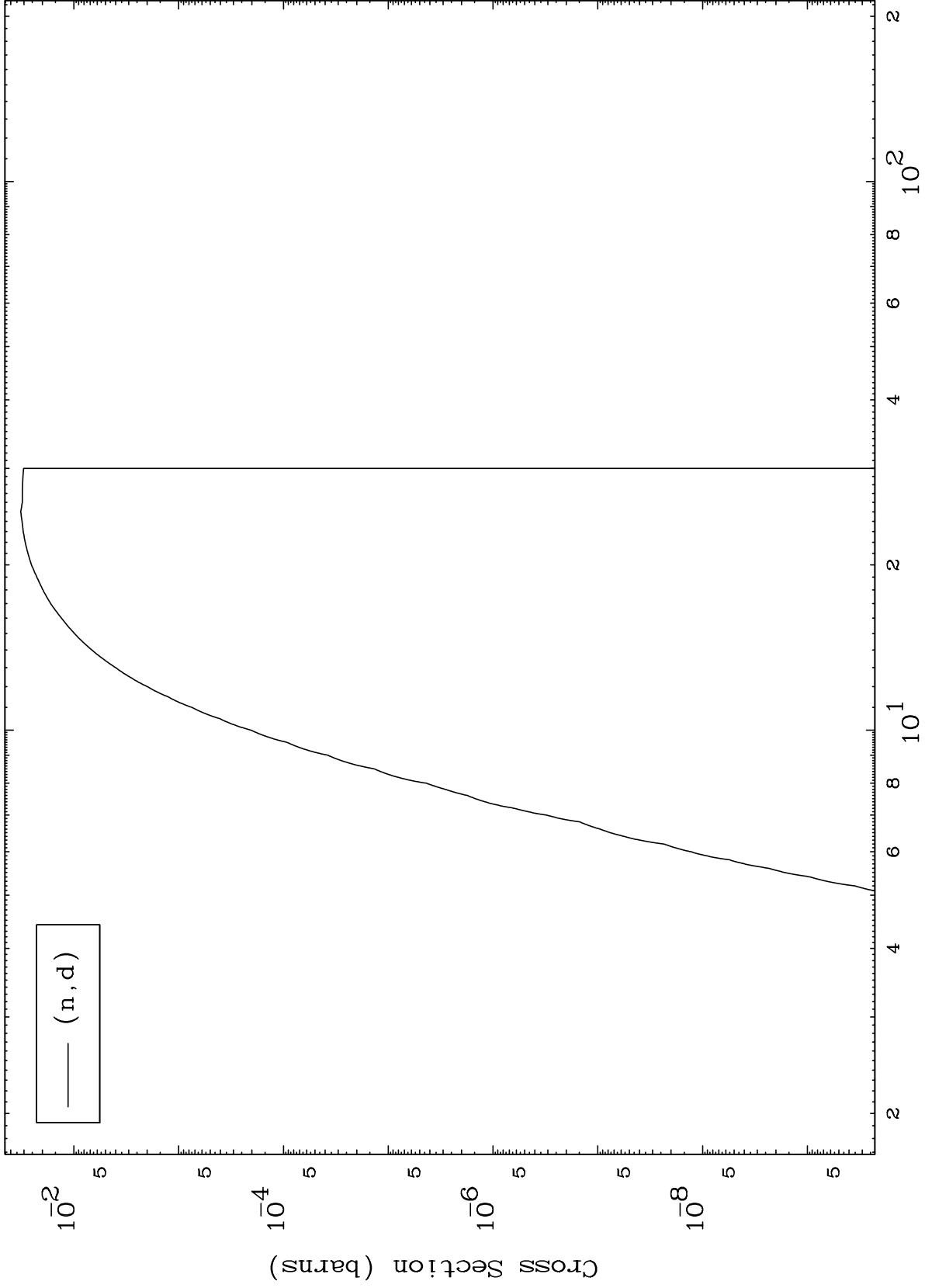


59-Pr-136

MAT 5910

(n,d) Levels  
293 Kelvin Cross Sections

59-Pr-136



12

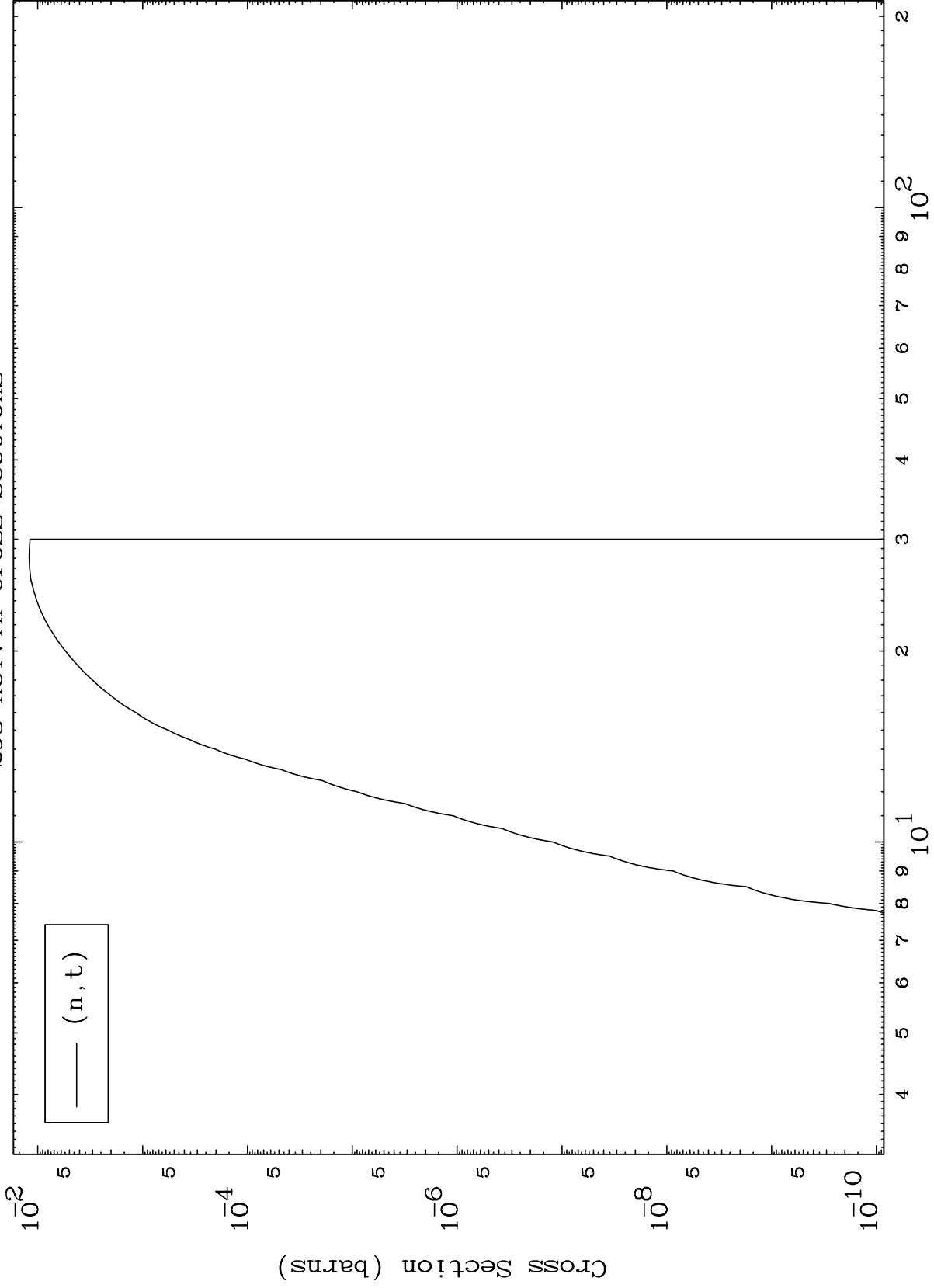
Incident Energy (MeV)

59-Pr-136

MAT 5910

(n,t) Levels  
293 Kelvin Cross Sections

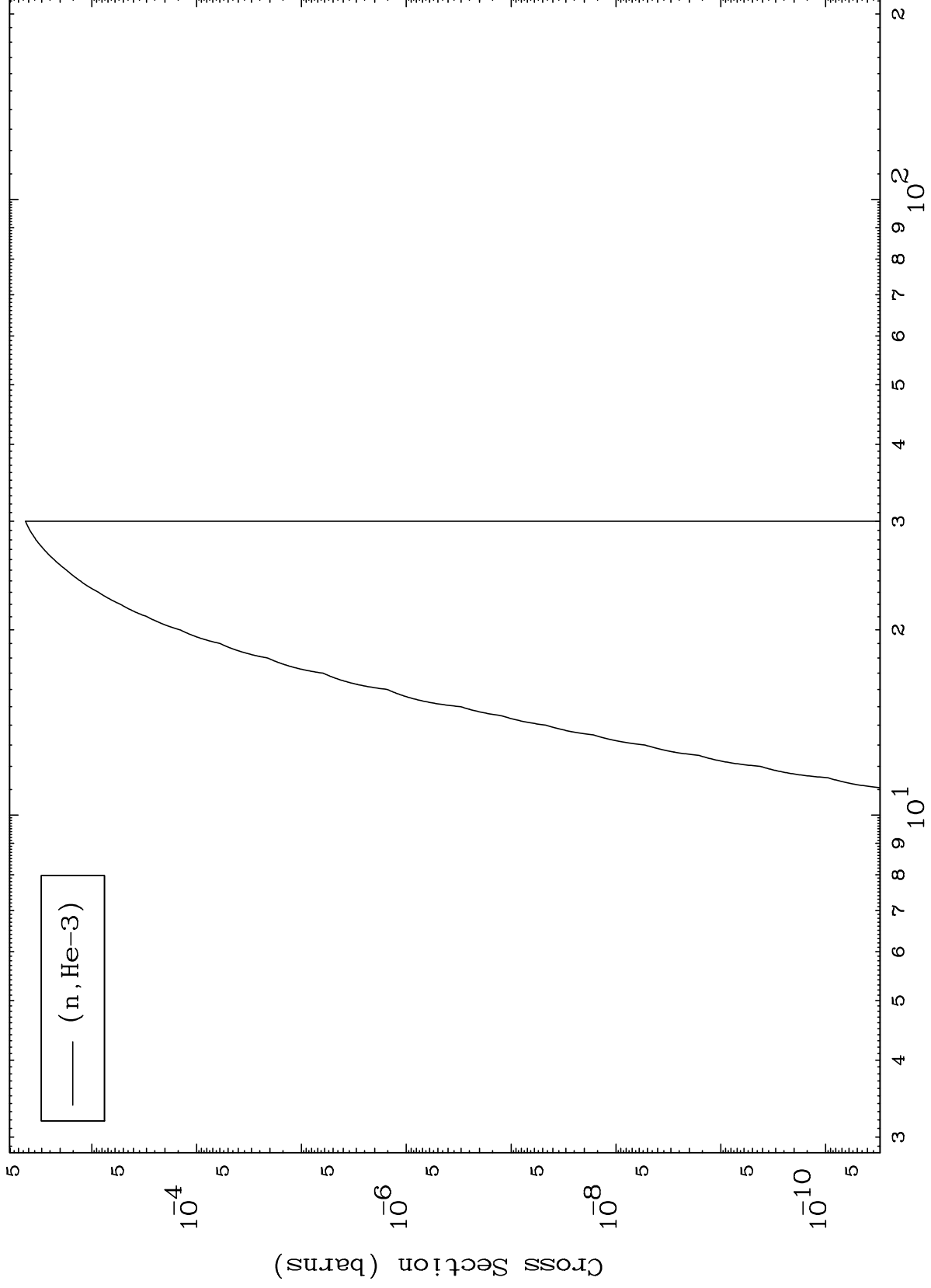
59-Pr-136



MAT 5910

(n,He3) Levels  
293 Kelvin Cross Sections

59-Pr-136



14

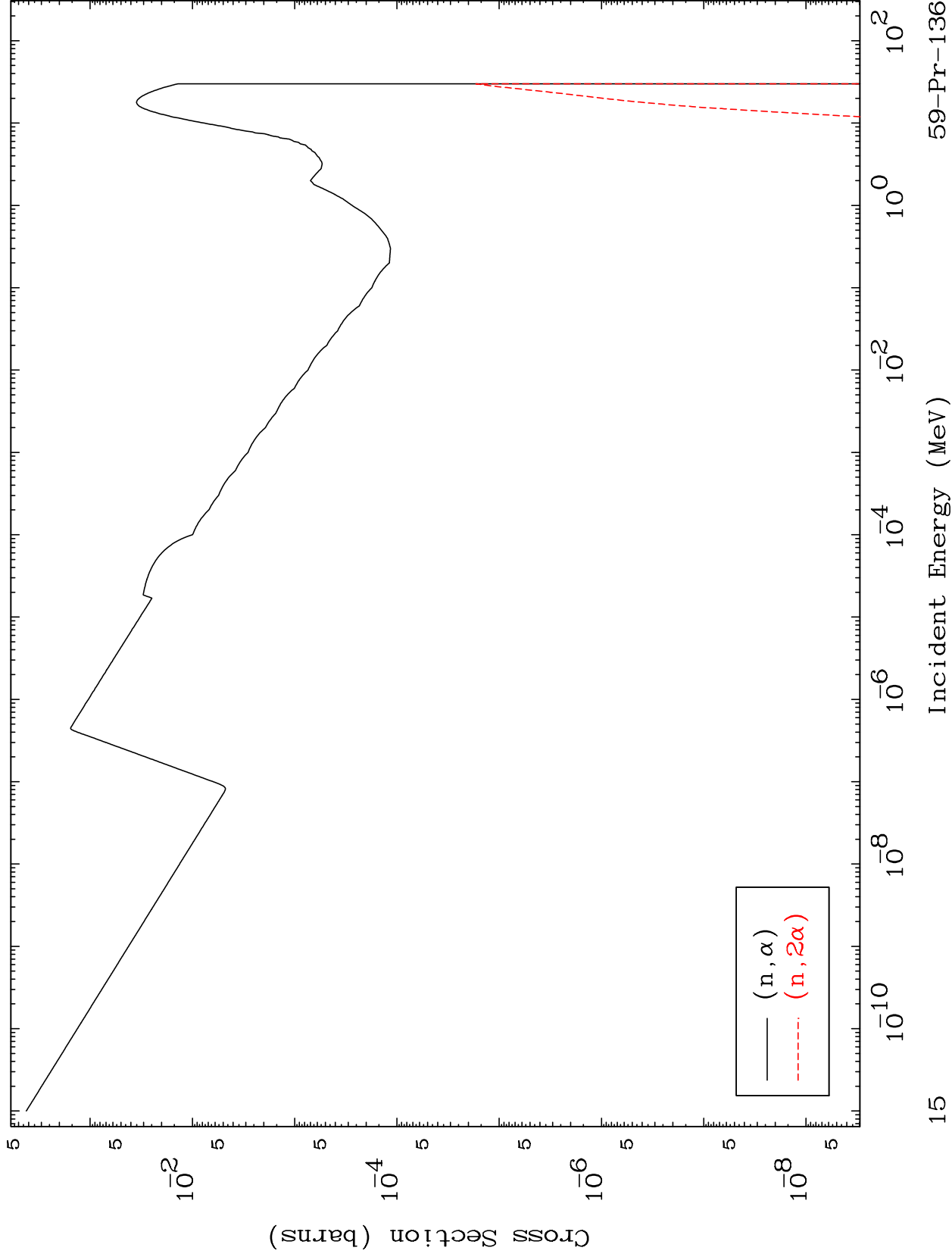
Incident Energy (MeV)

59-Pr-136

MAT 5910

(n,α) Levels  
293 Kelvin Cross Sections

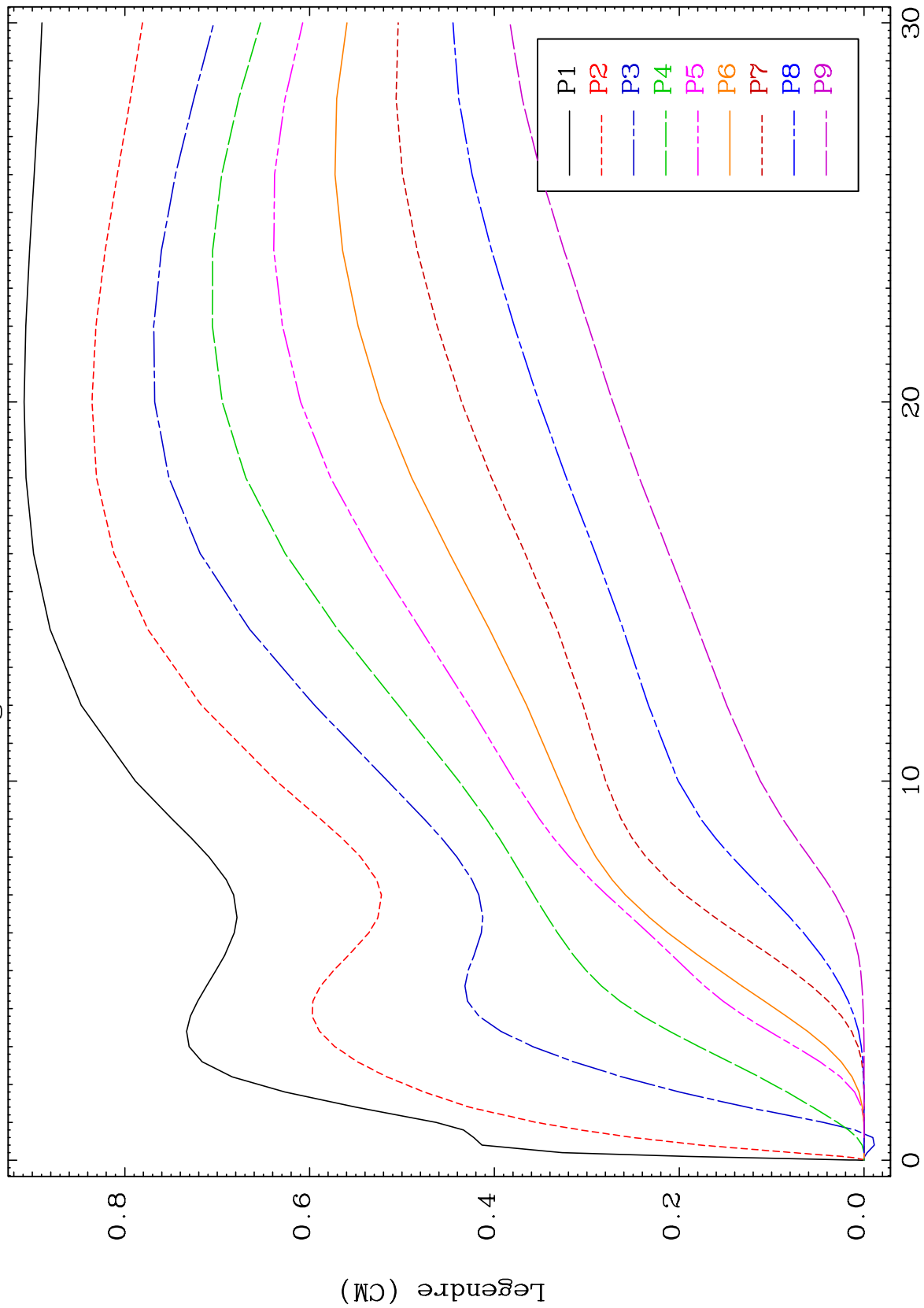
59-Pr-136



MAT 5910

Elastic Legendre Coefficients

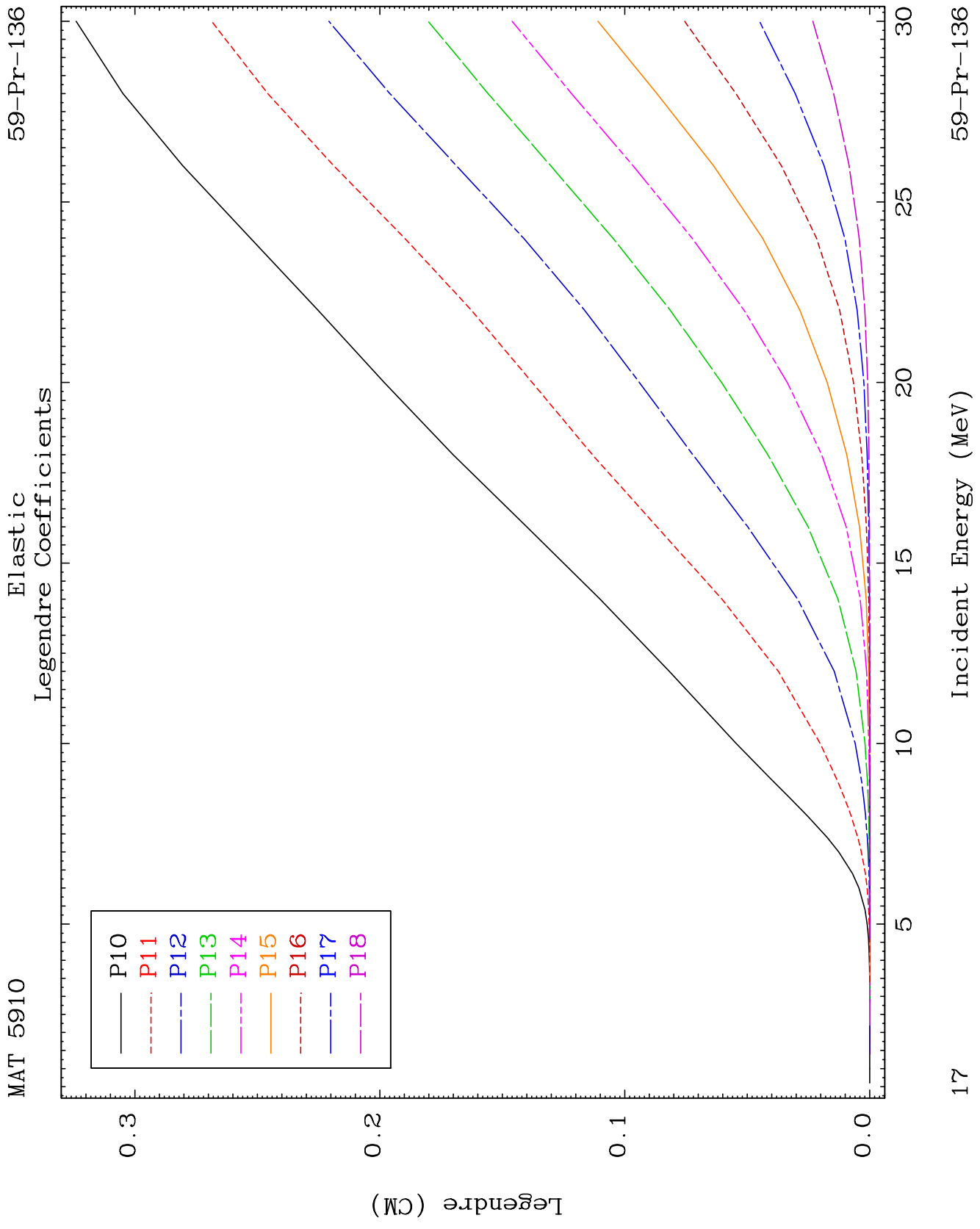
59-Pr-136



16

Incident Energy (MeV)

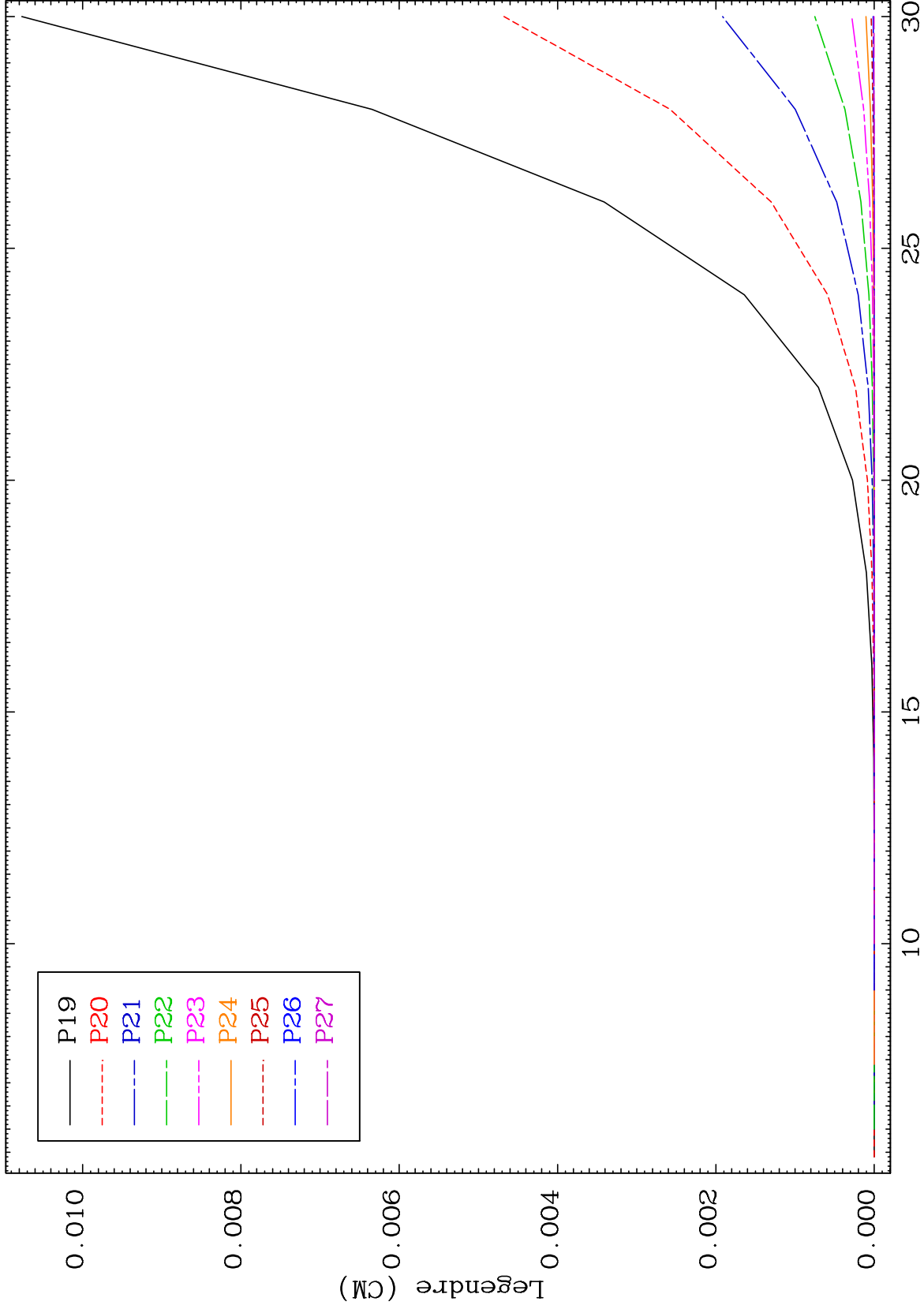
59-Pr-136



MAT 5910

### Elastic Legendre Coefficients

59-Pr-136



18

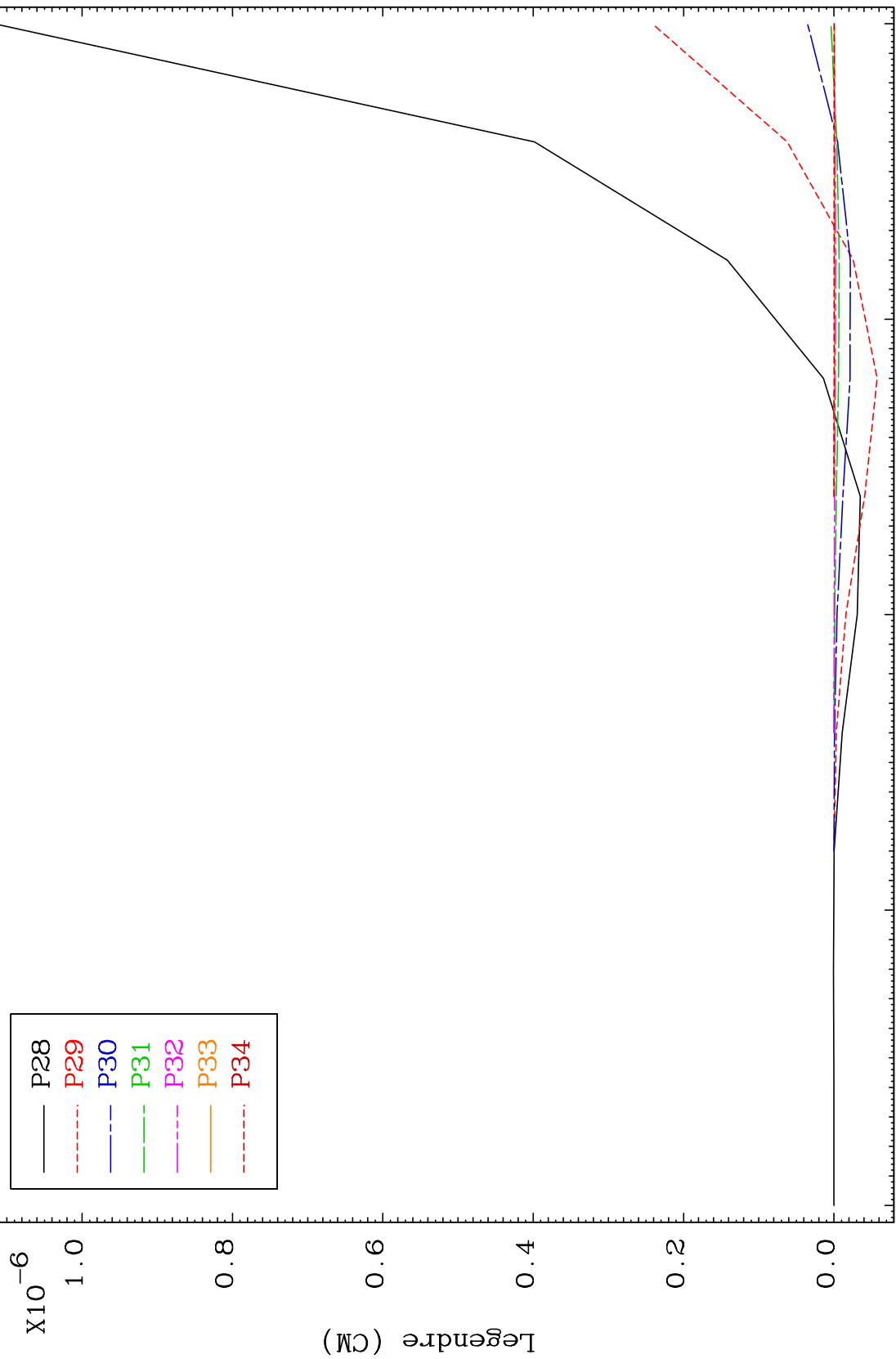
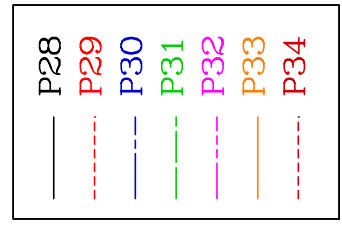
Incident Energy (MeV)

59-Pr-136

MAT 5910

Elastic Legendre Coefficients

59-Pr-136



19

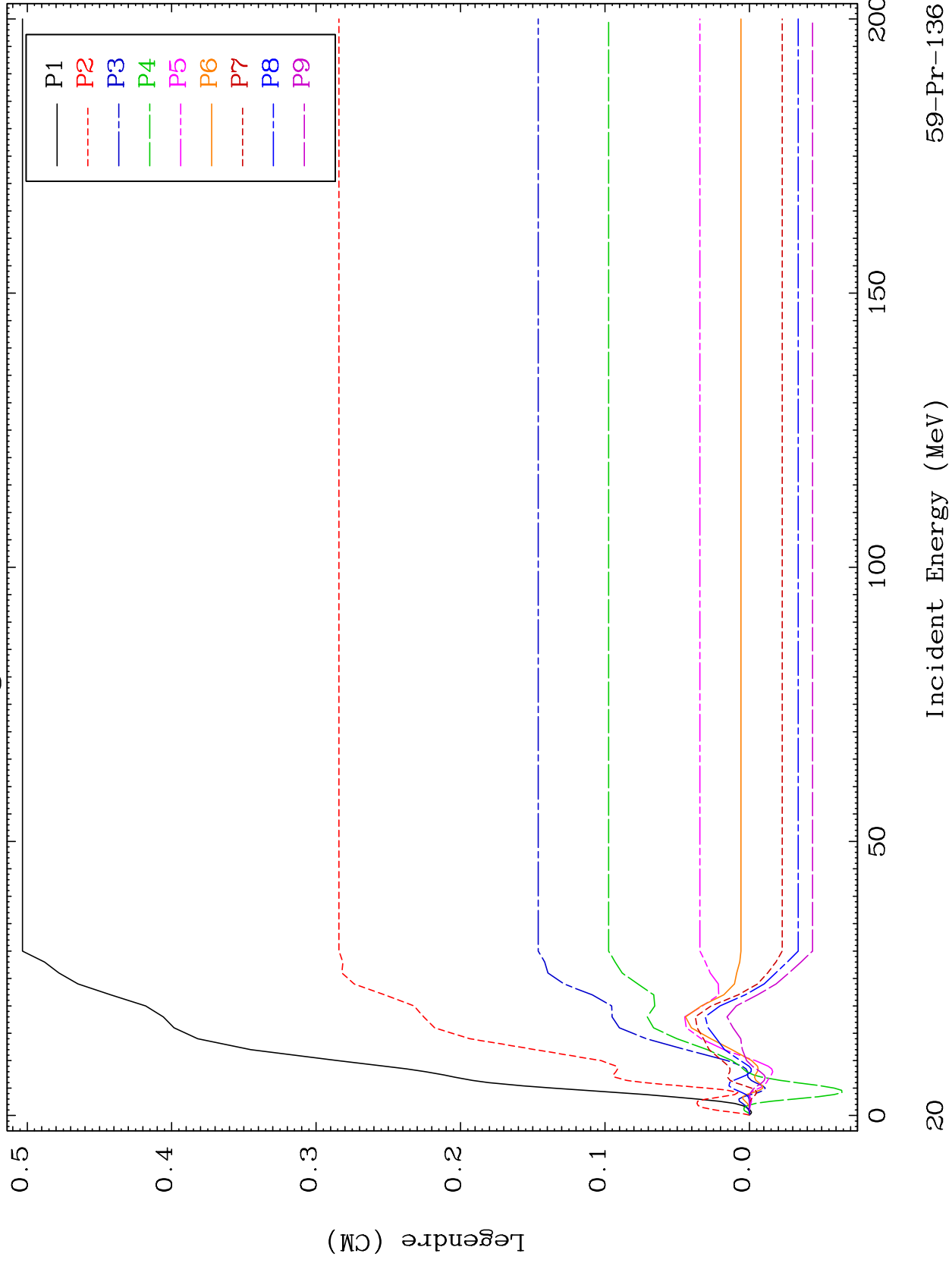
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

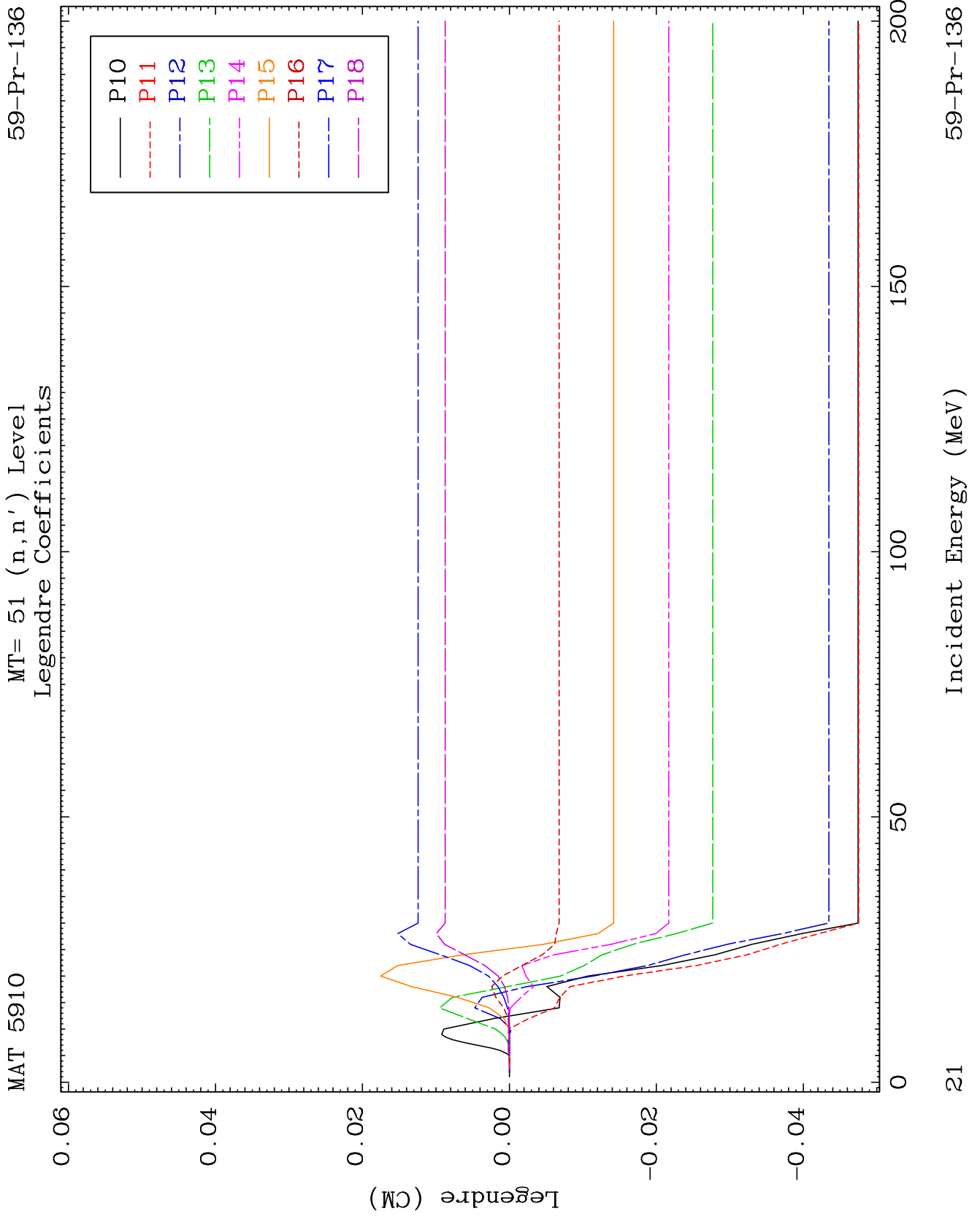
59-Pr-136



59-Pr-136

Incident Energy (MeV)

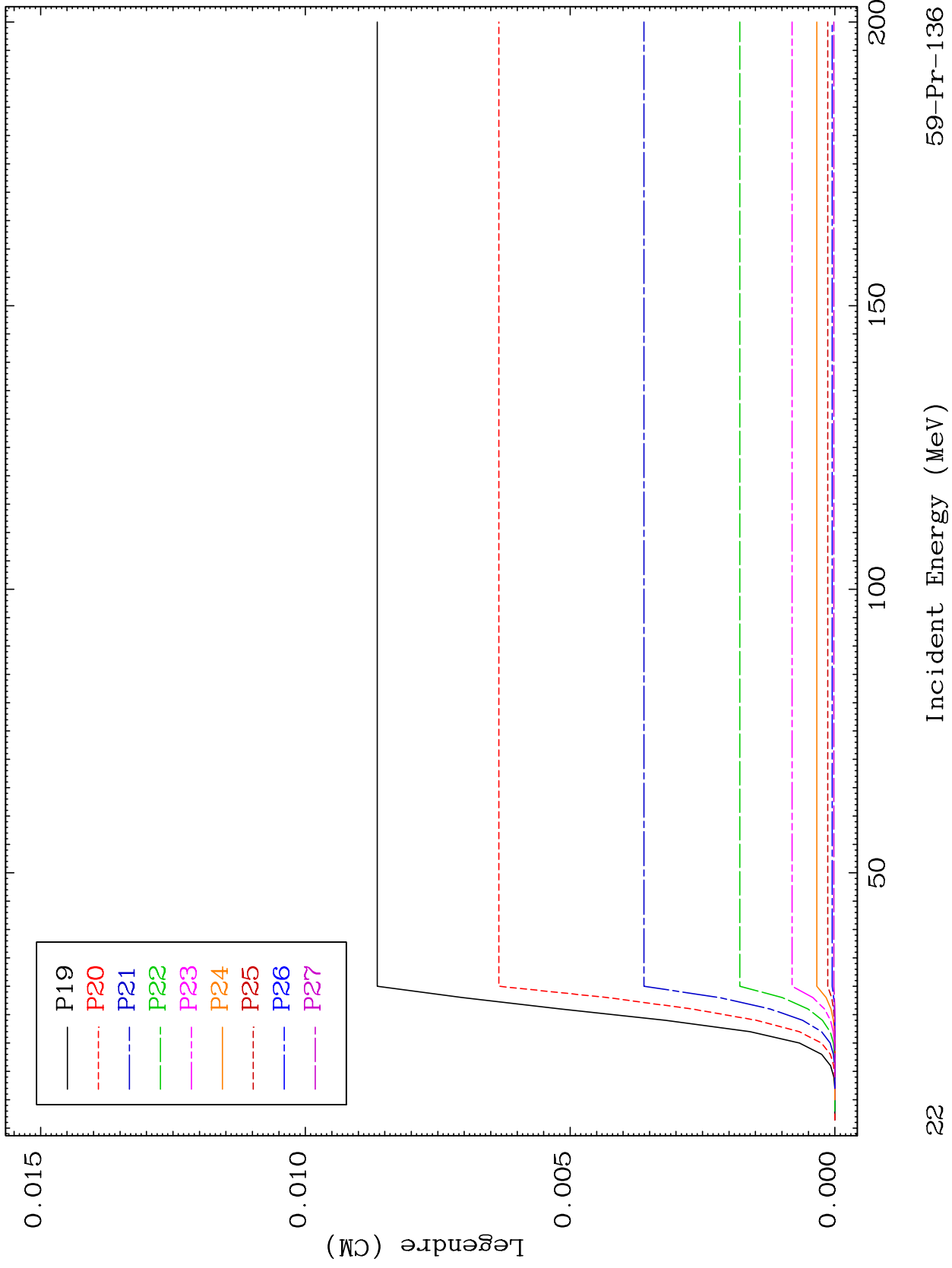
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MAT 5910

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

59-Pr-136



22

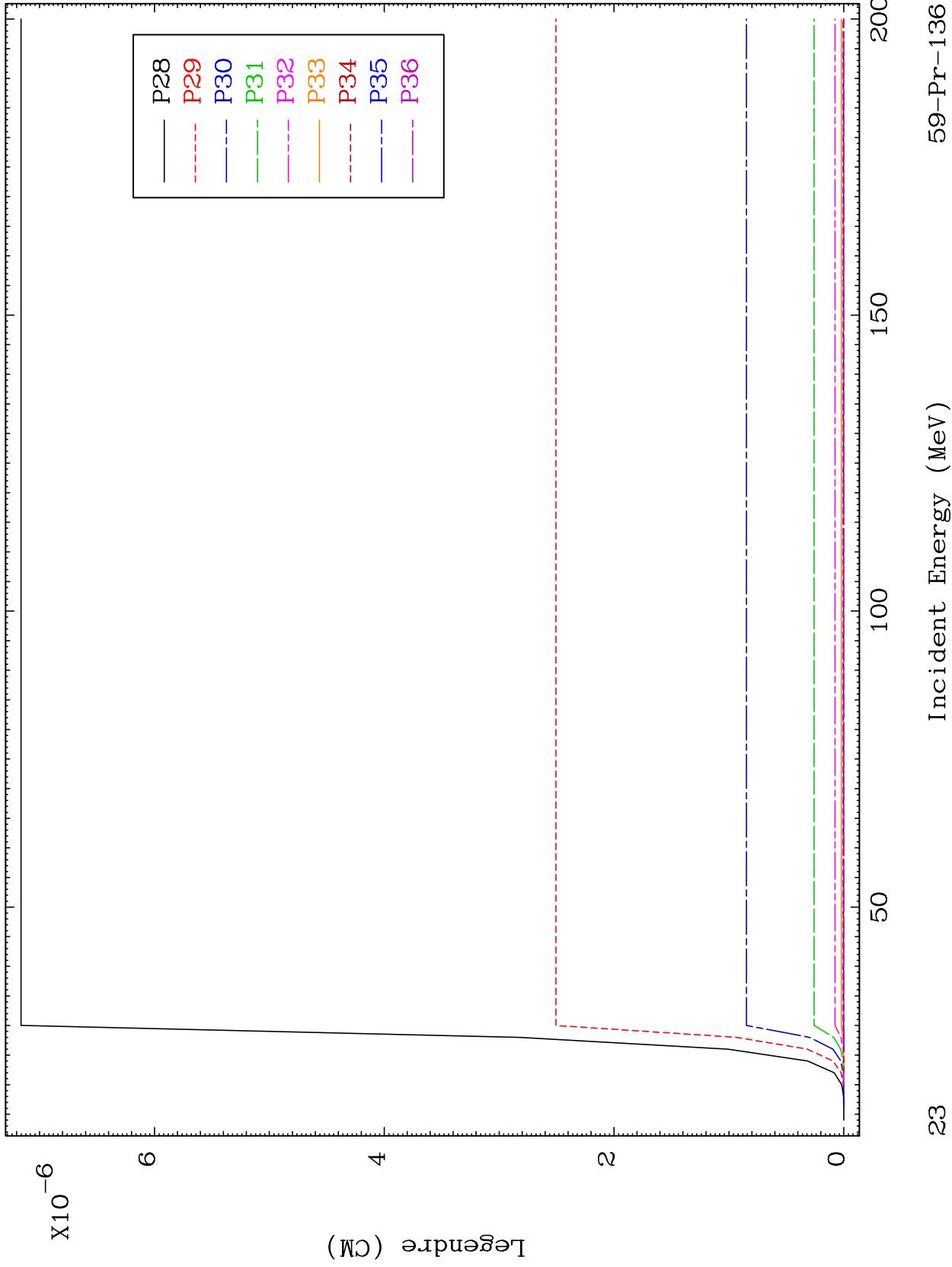
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

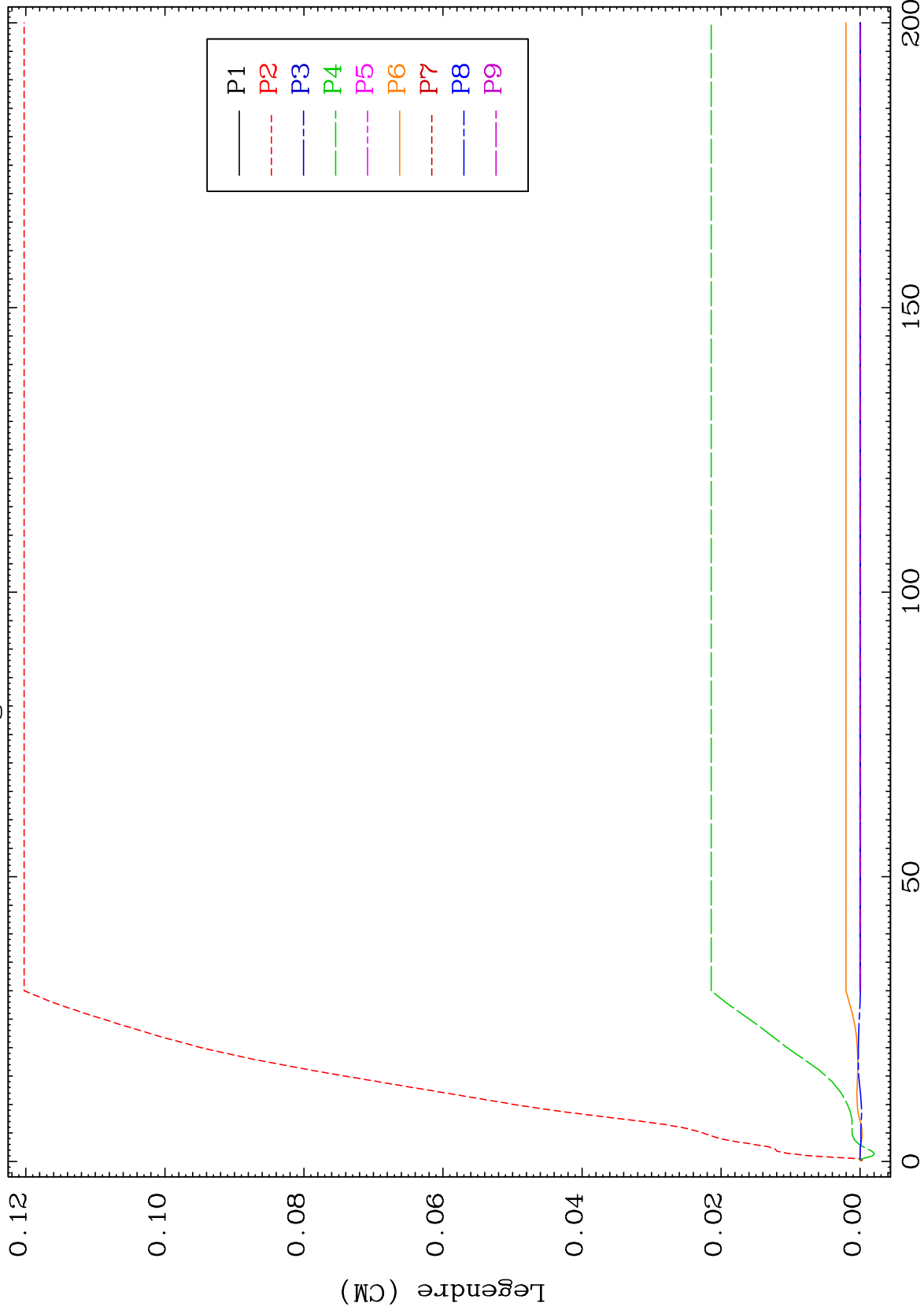
59-Pr-136



MAT 5910

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

59-Pr-136



24

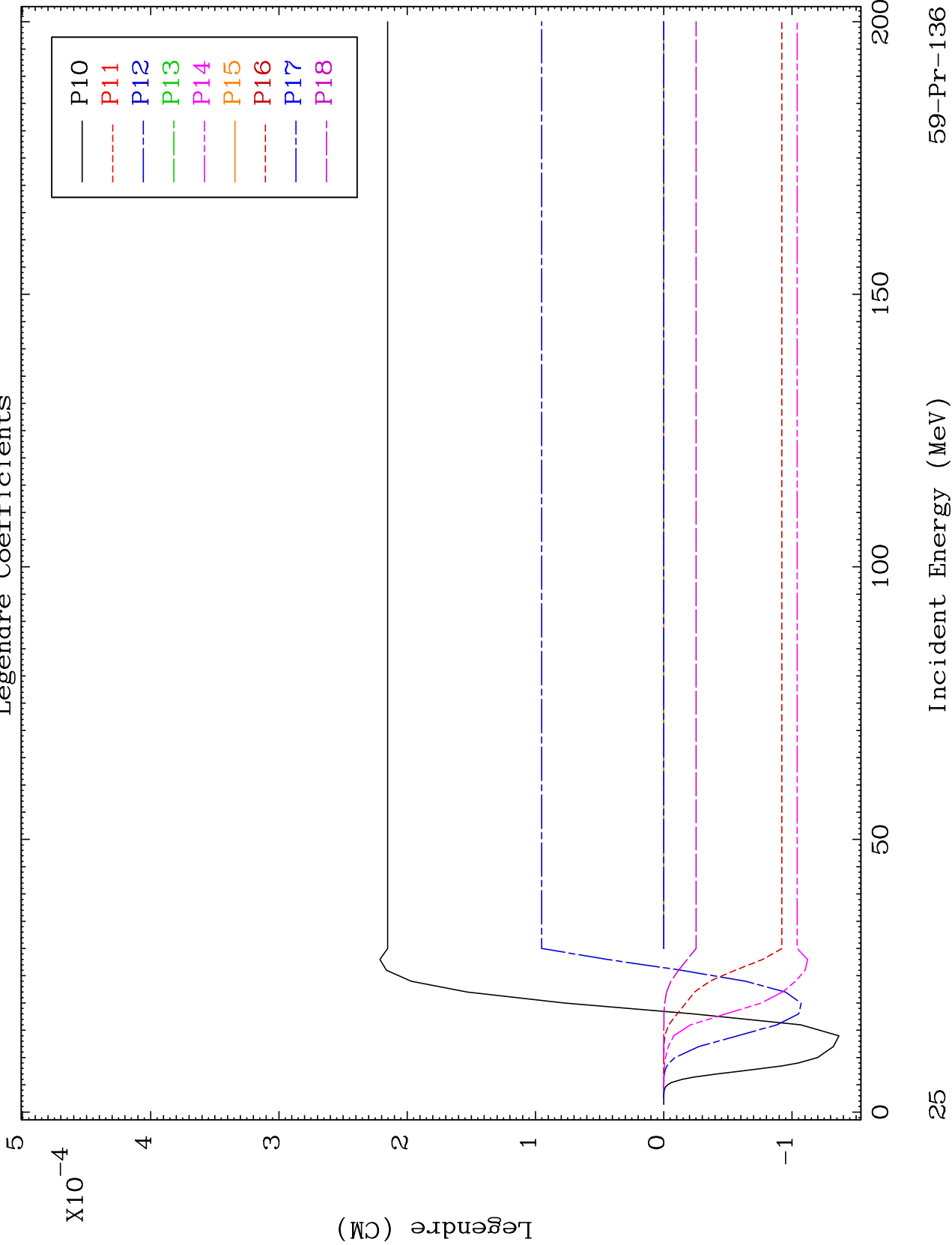
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

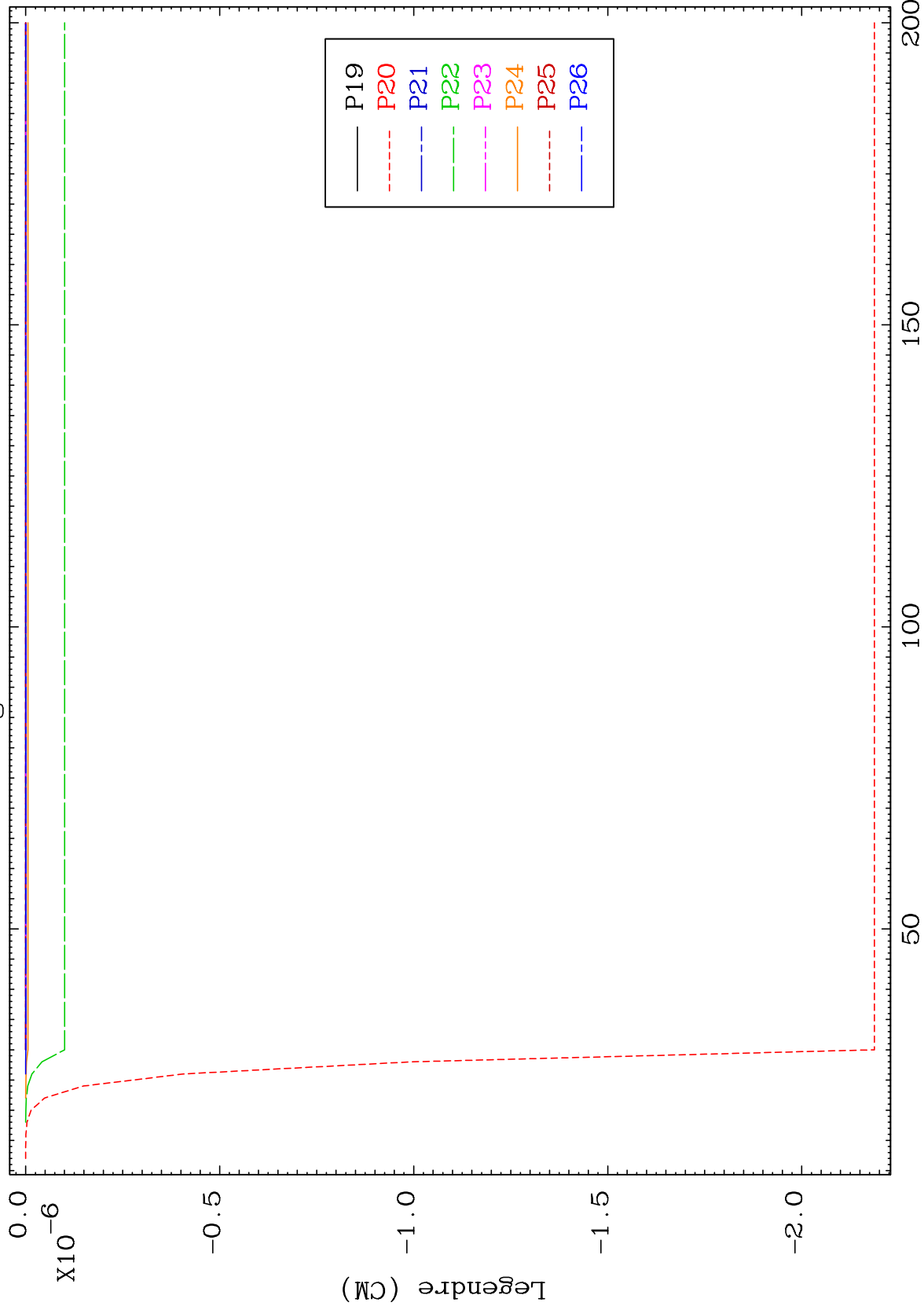
59-Pr-136



59-Pr-136

Incident Energy (MeV)

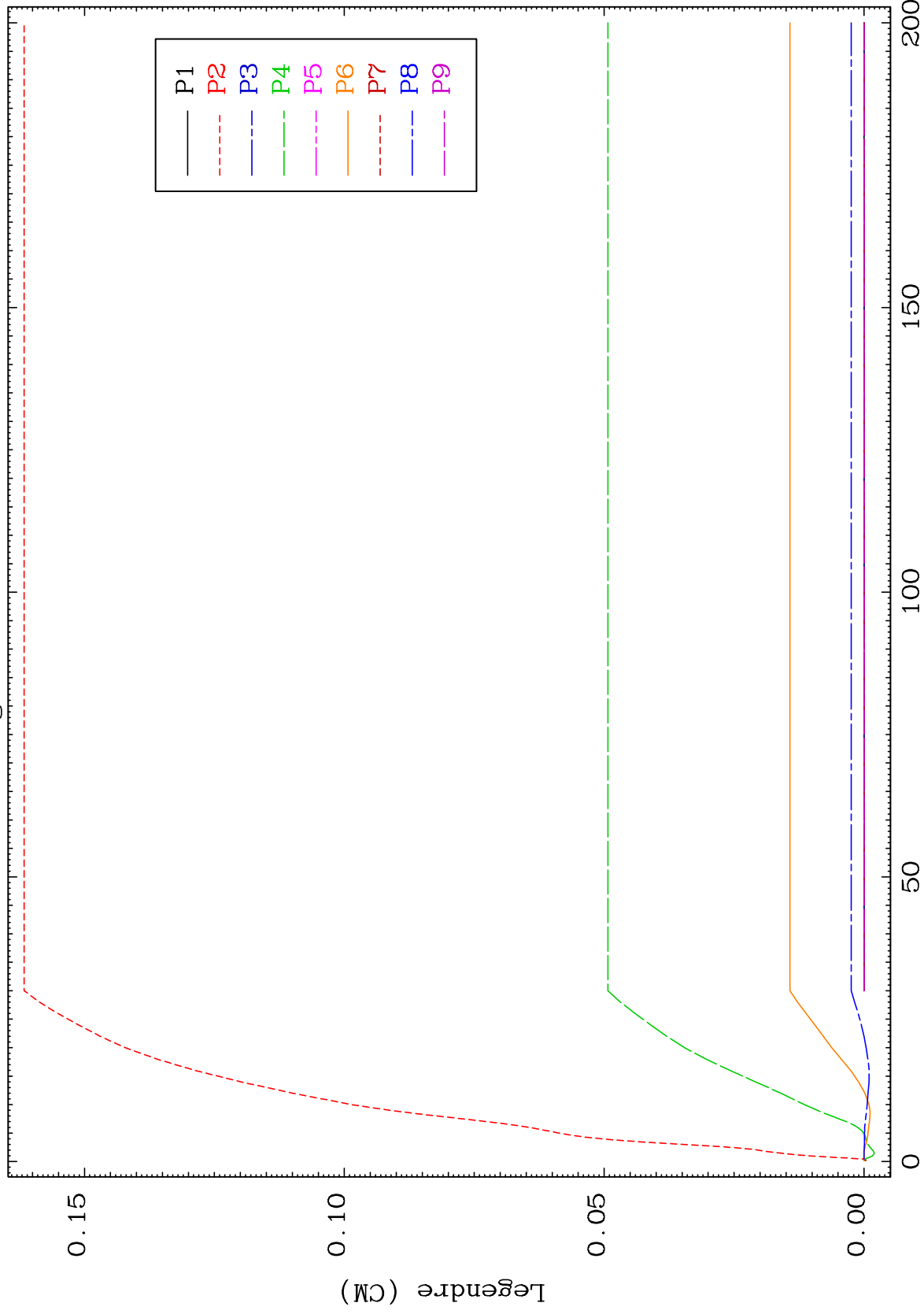
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MAT 5910

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

59-Pr-136



27

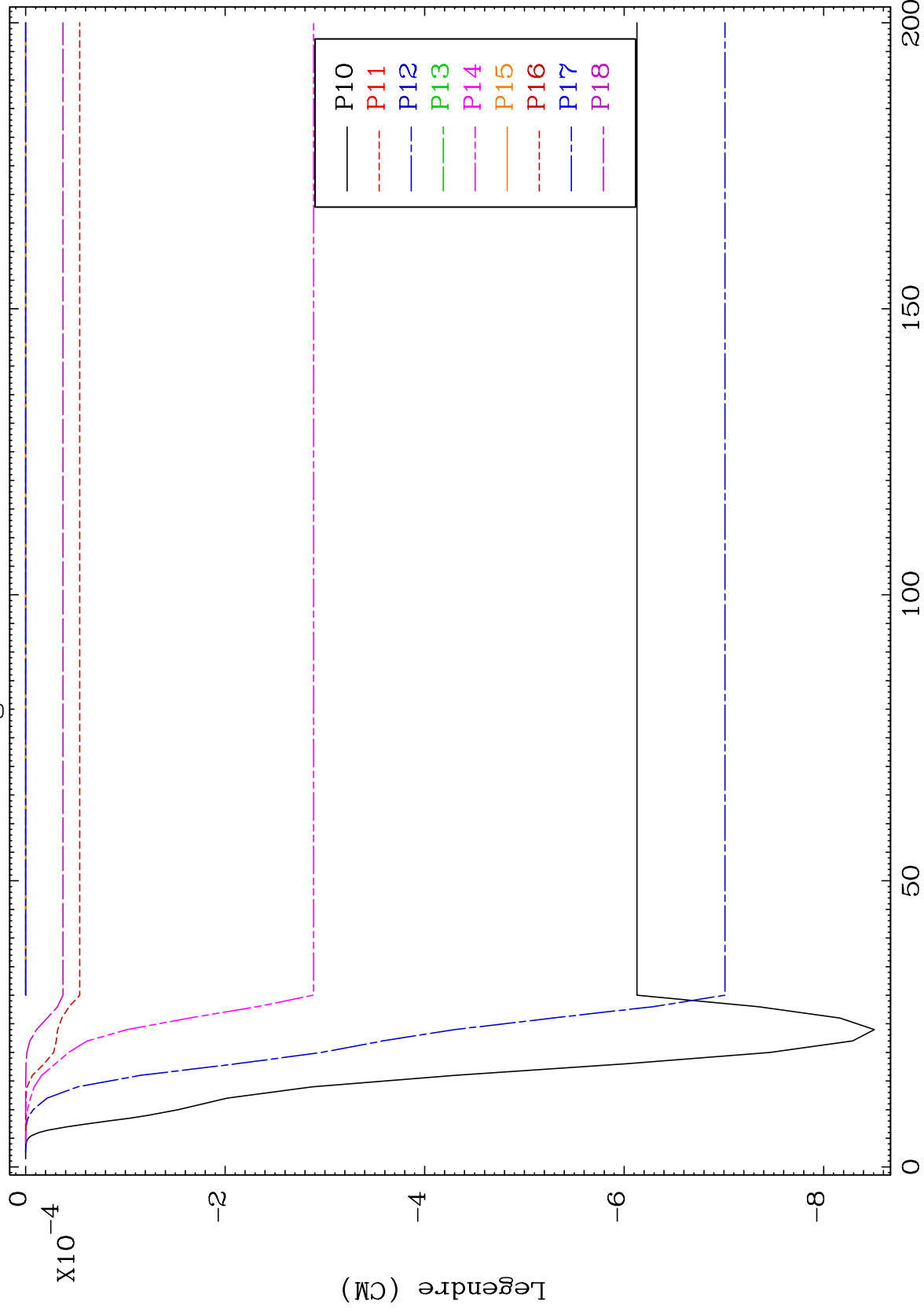
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



28

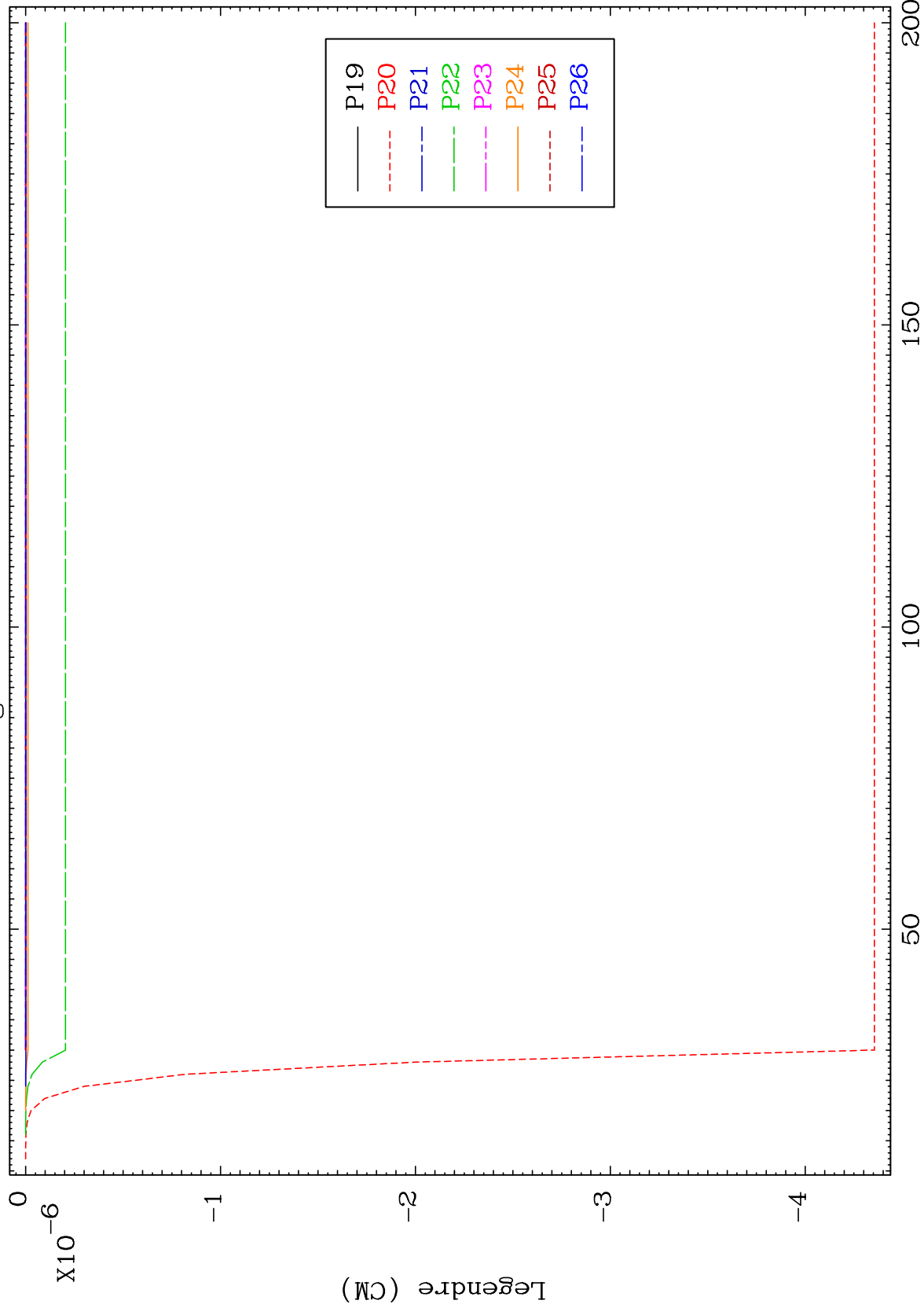
Incident Energy (MeV)

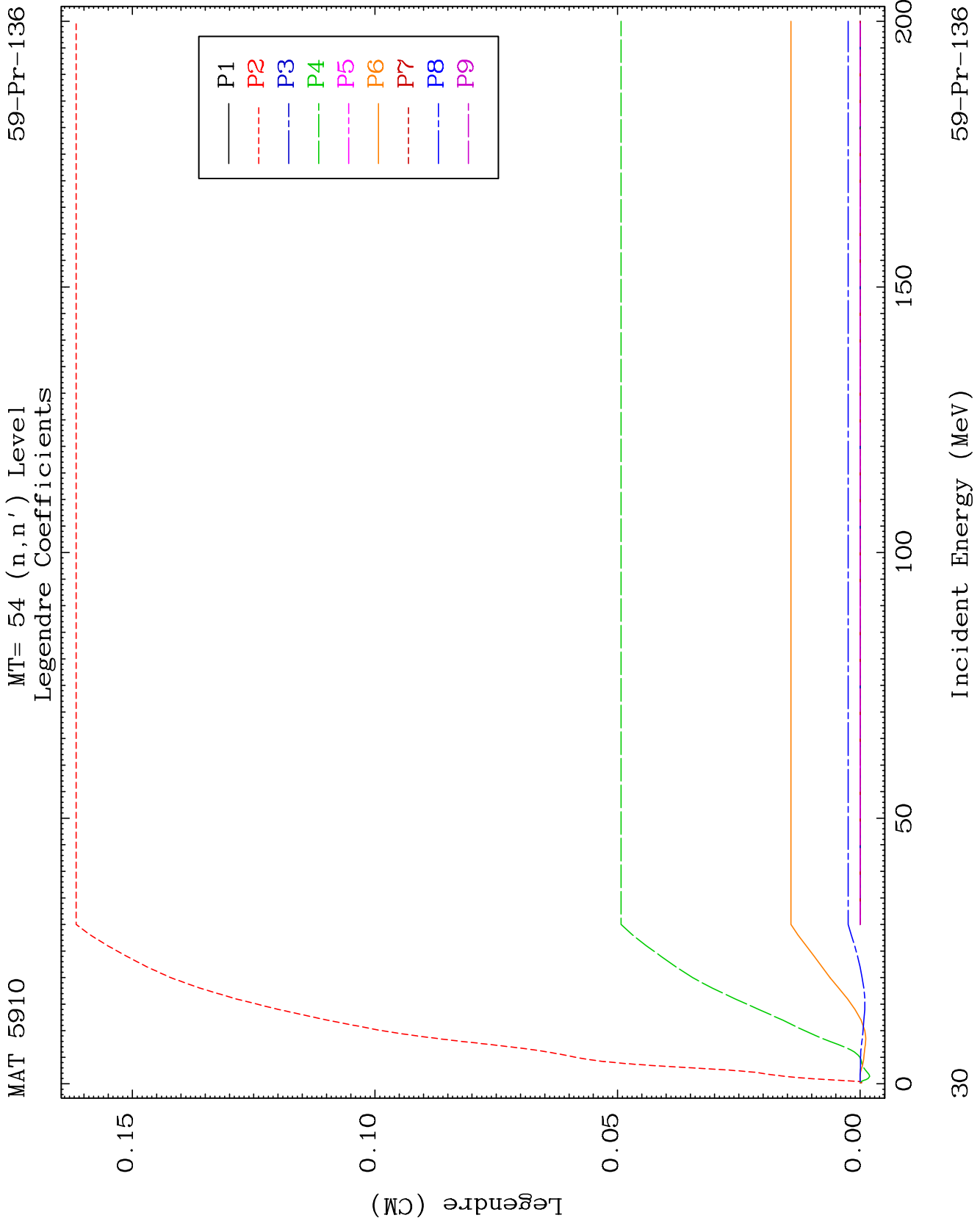
59-Pr-136

MAT 5910

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

59-Pr-136

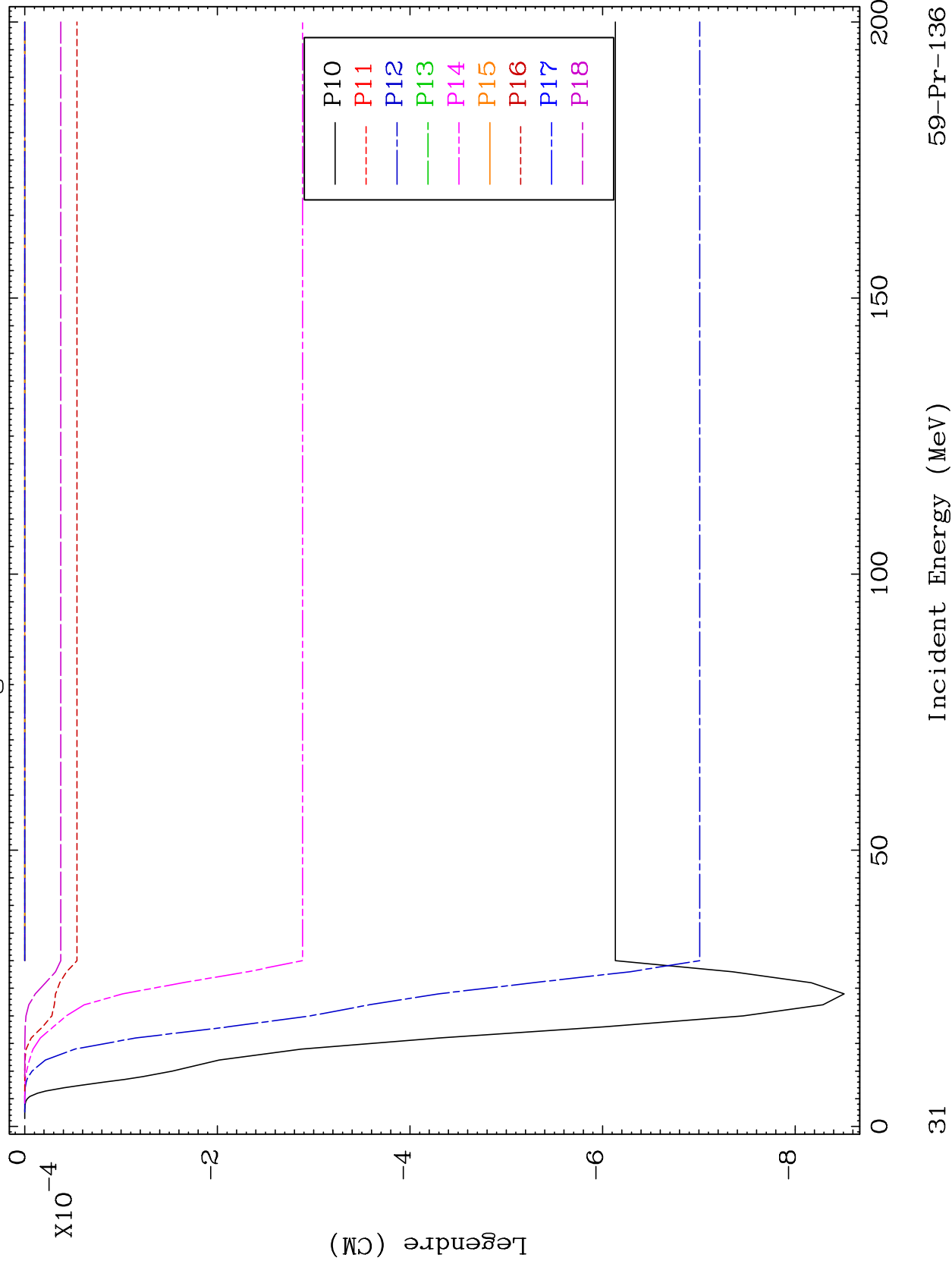




MAT 5910

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

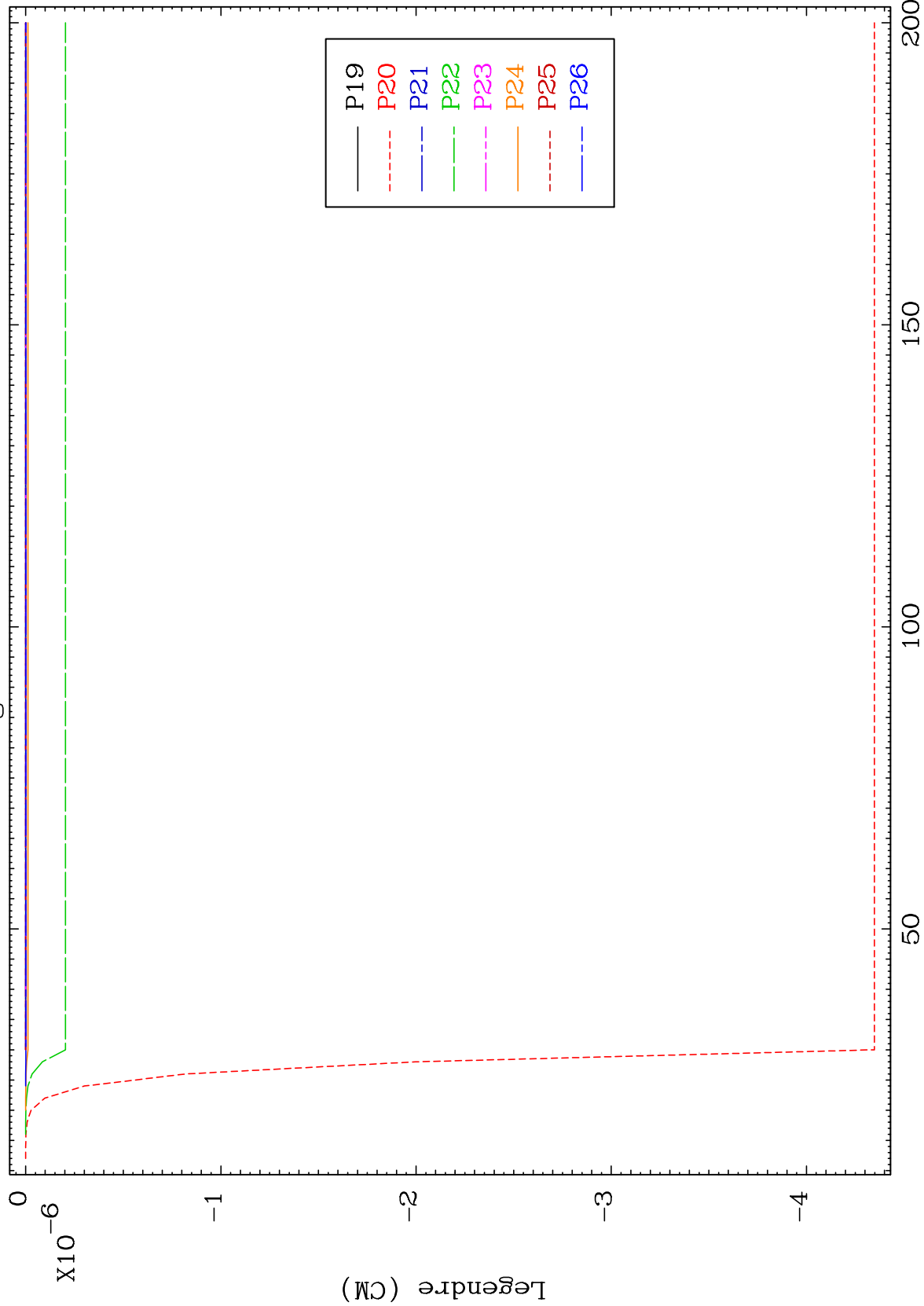
59-Pr-136



31

Incident Energy (MeV)

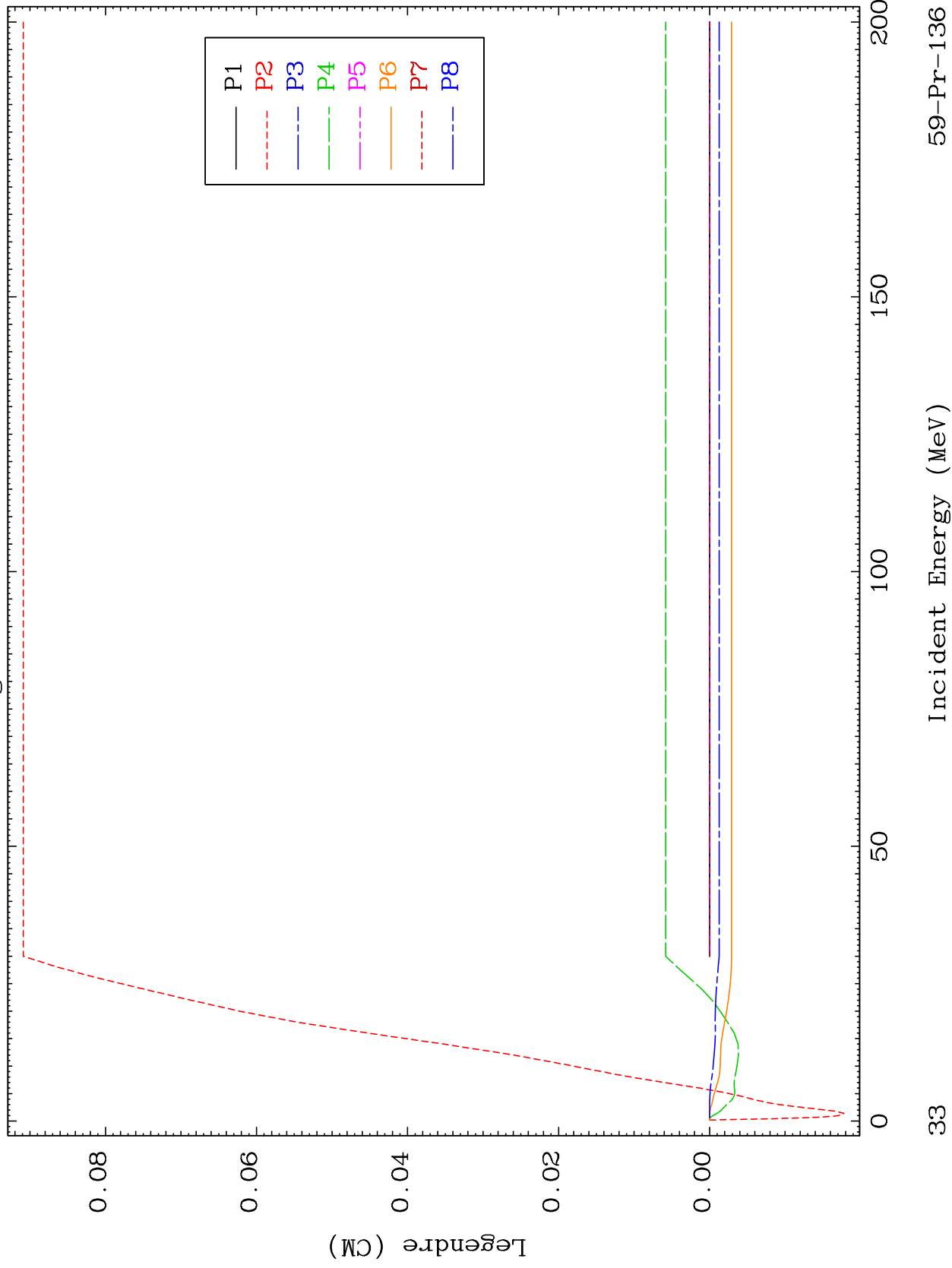
59-Pr-136



MAT 5910

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

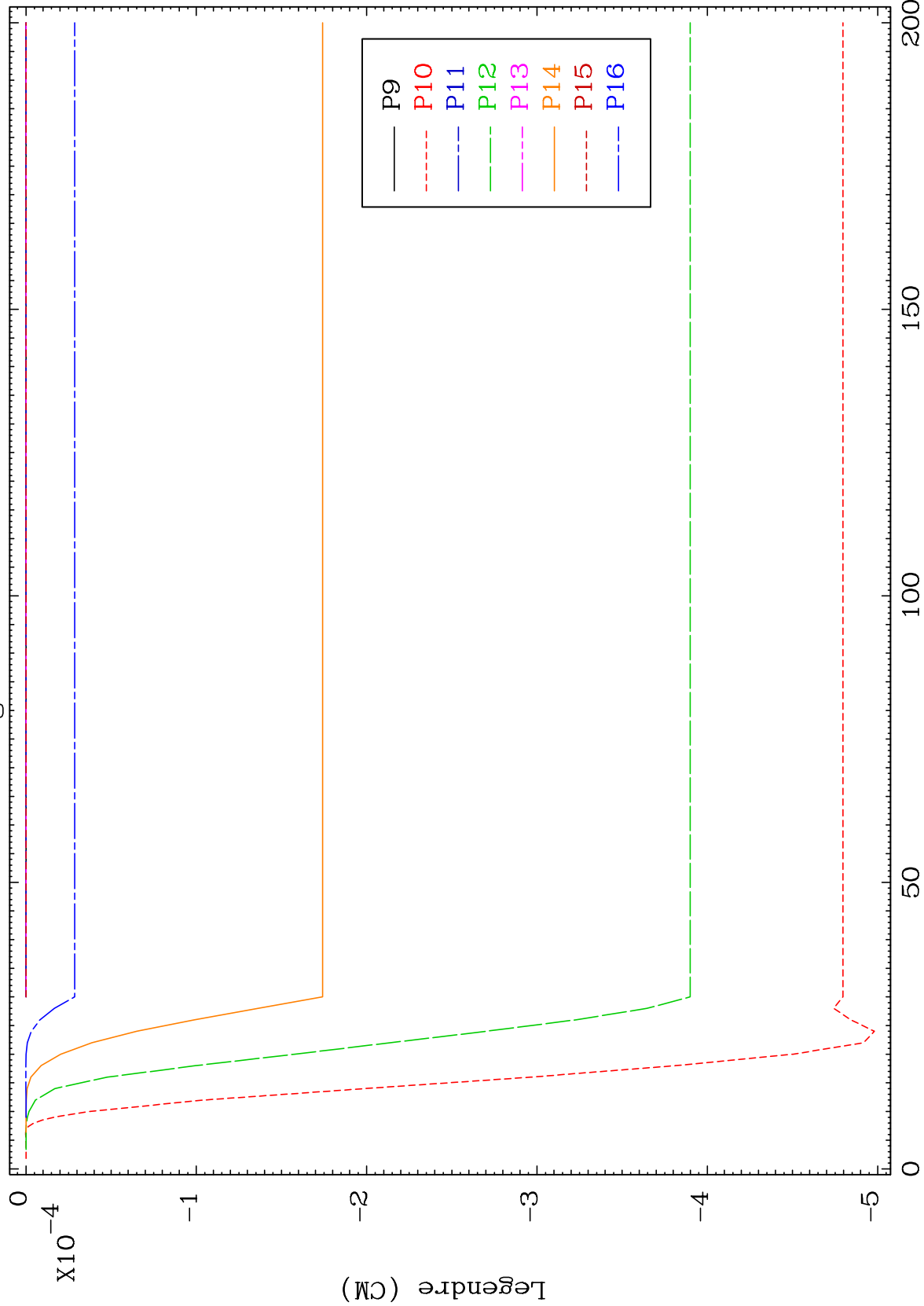
59-Pr-136



59-Pr-136

Incident Energy (MeV)

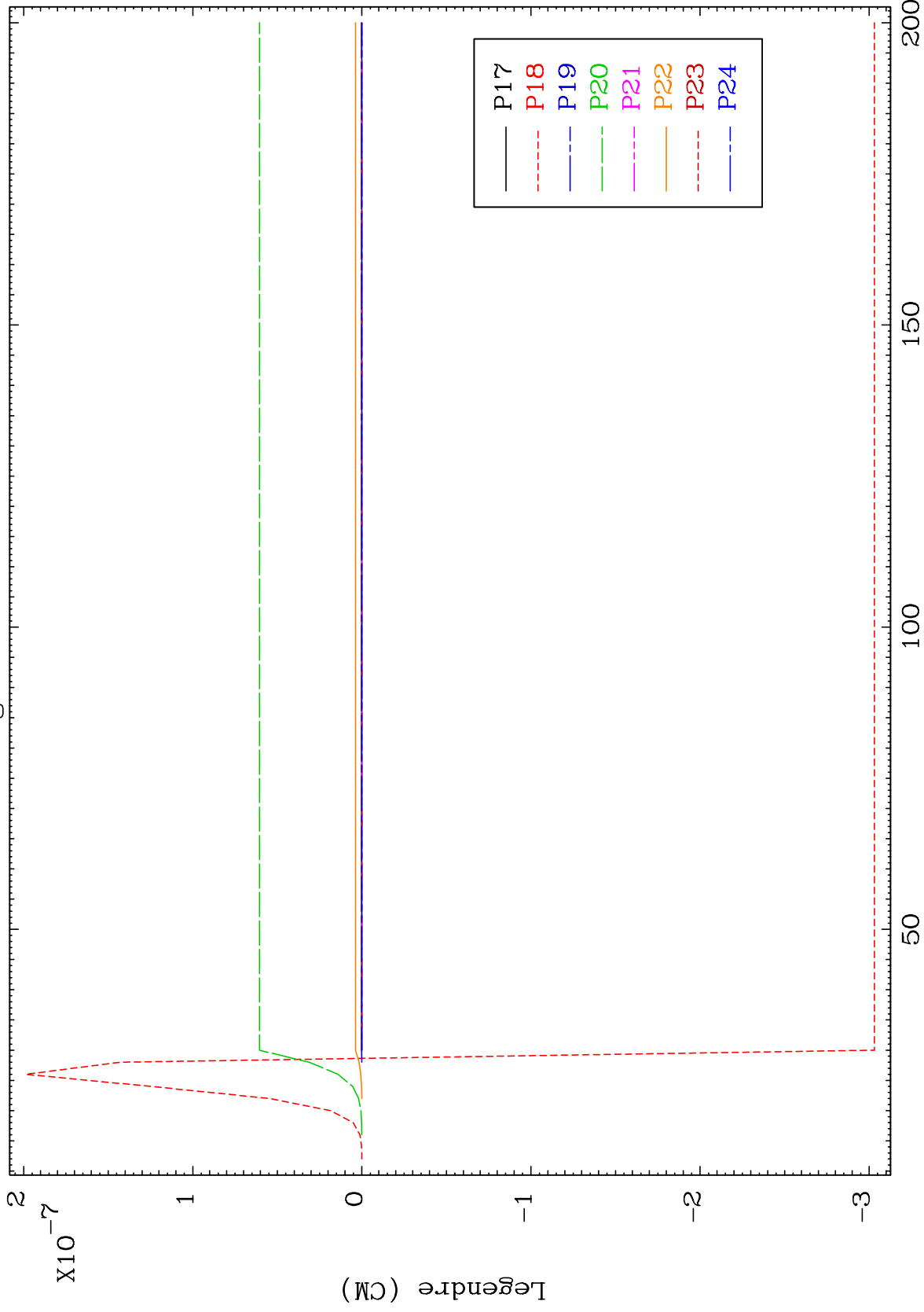
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MAT 5910

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

59-Pr-136

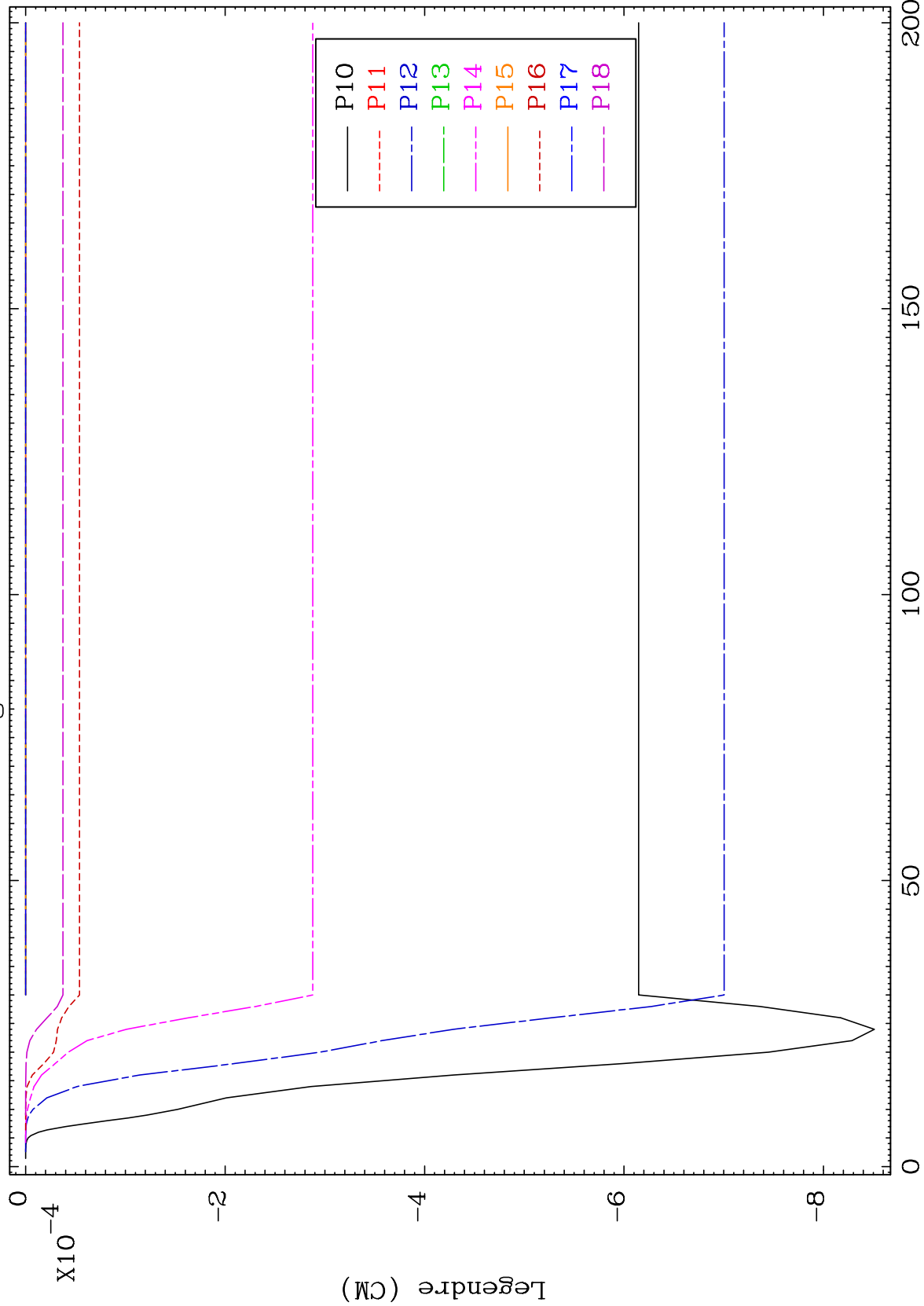


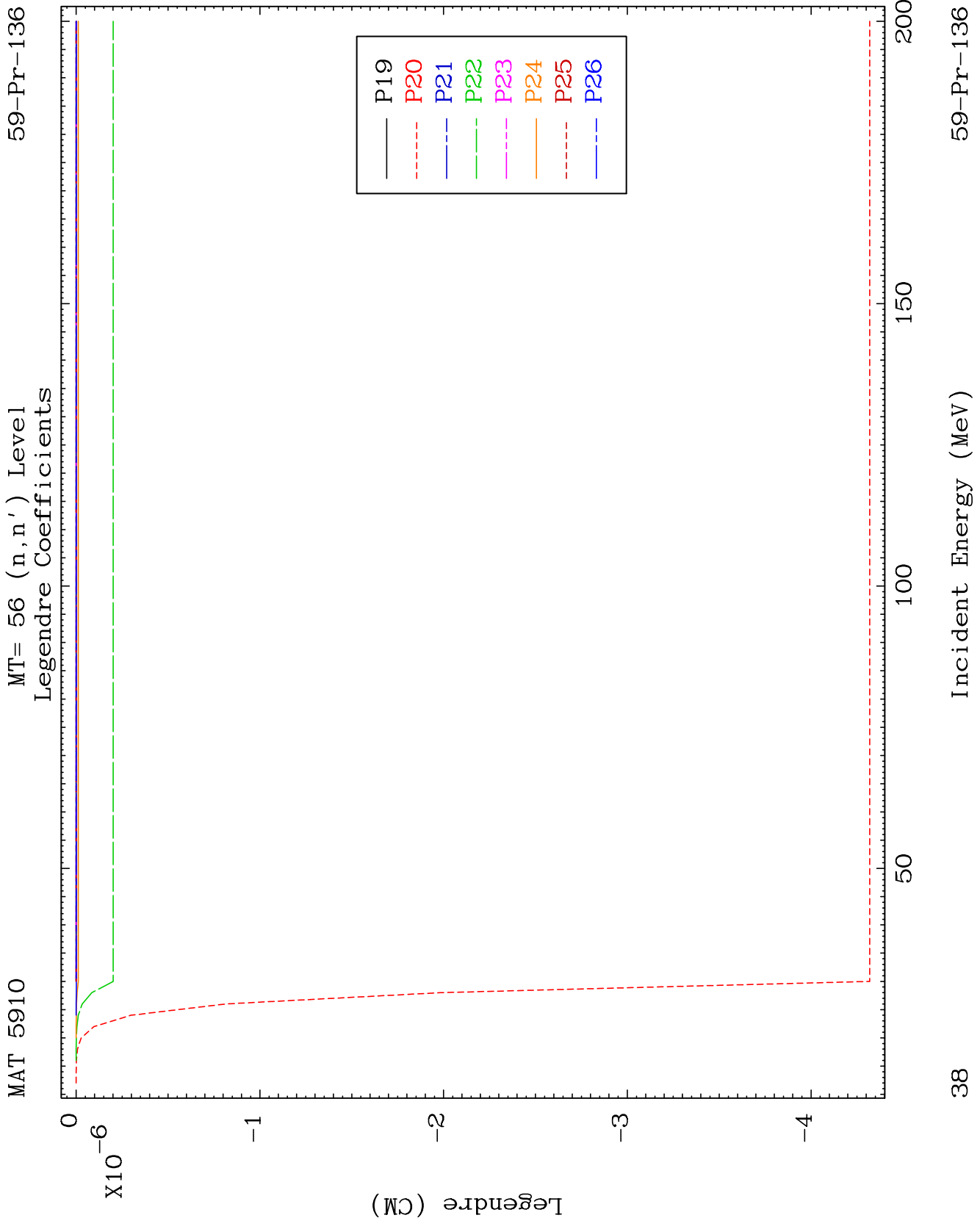
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Incident Energy (MeV)

59-Pr-136



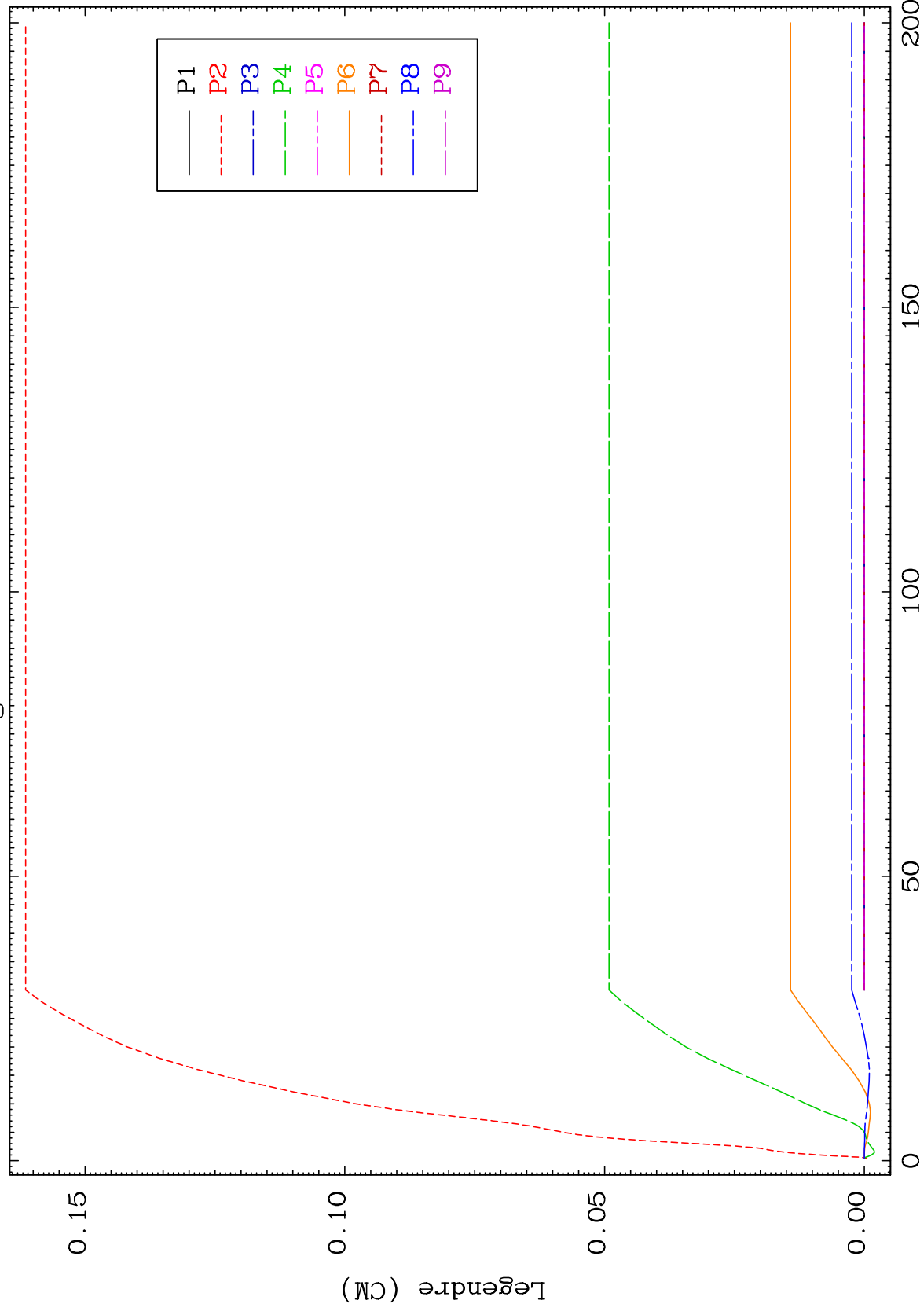




MAT 5910

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

59-Pr-136



59-Pr-136

Incident Energy (MeV)

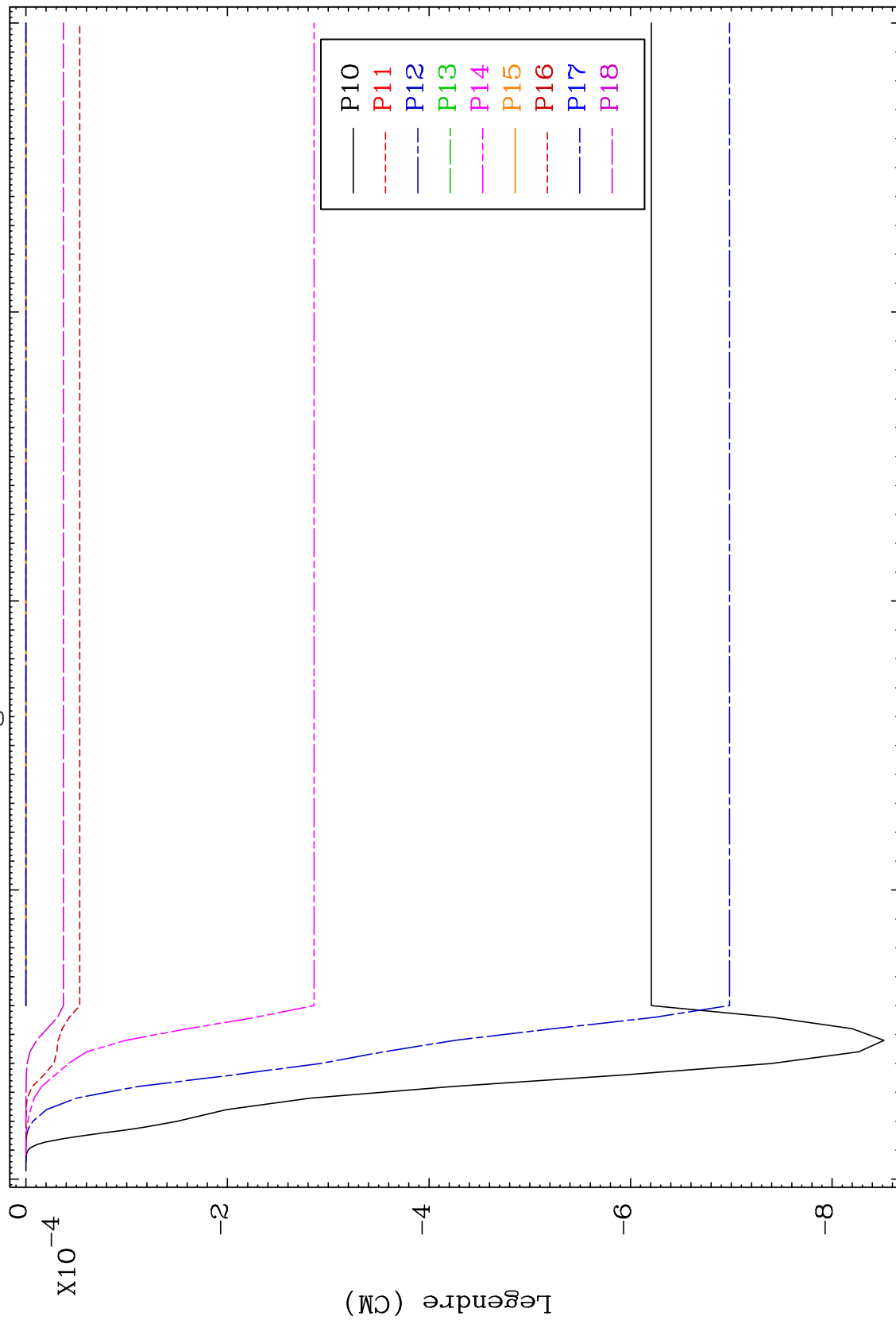
39

MAT 5910

MT= 57 (n,n') Level

Legendre Coefficients

59-Pr-136



59-Pr-136

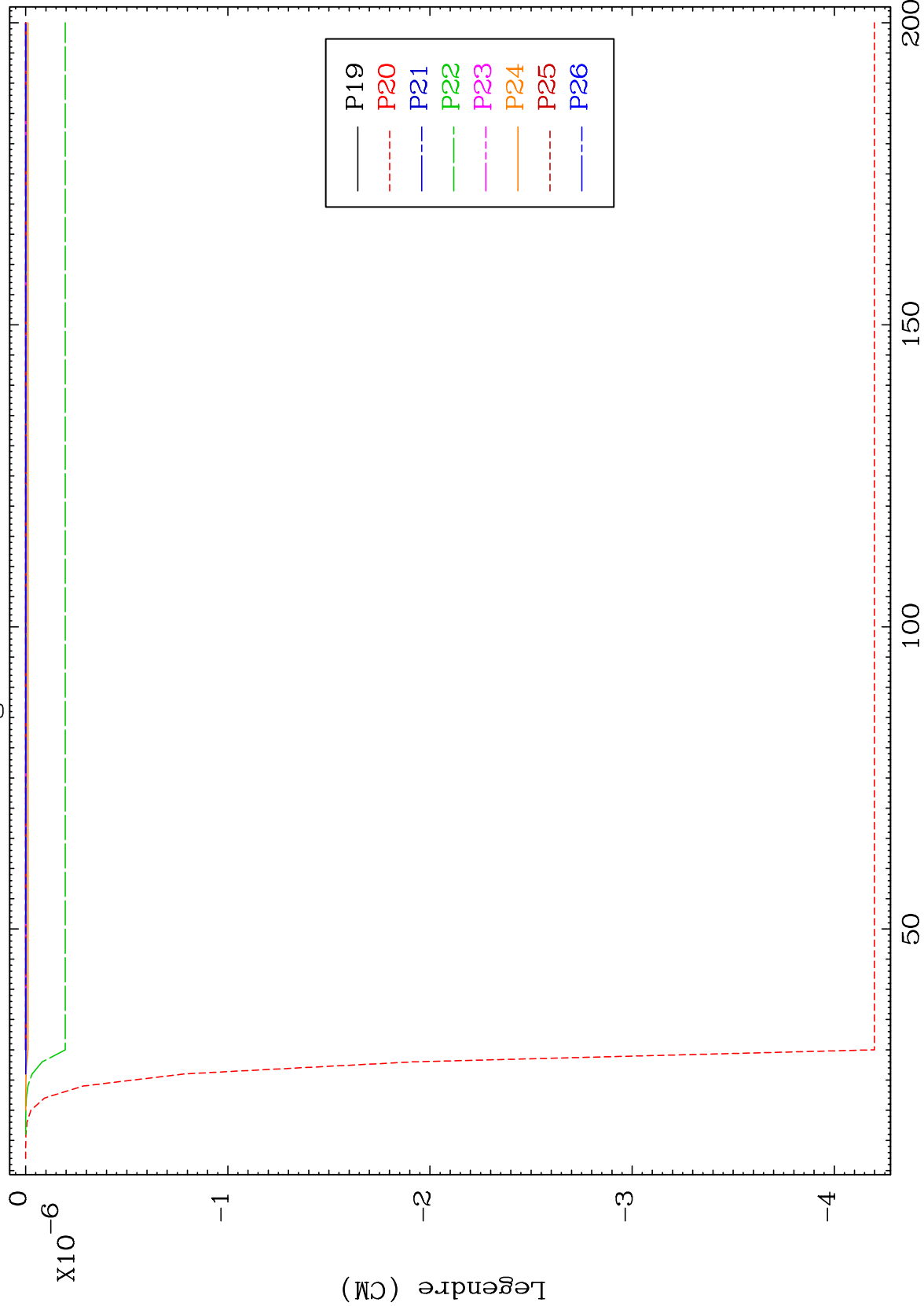
Incident Energy (MeV)

40

MAT 5910

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

59-Pr-136



59-Pr-136

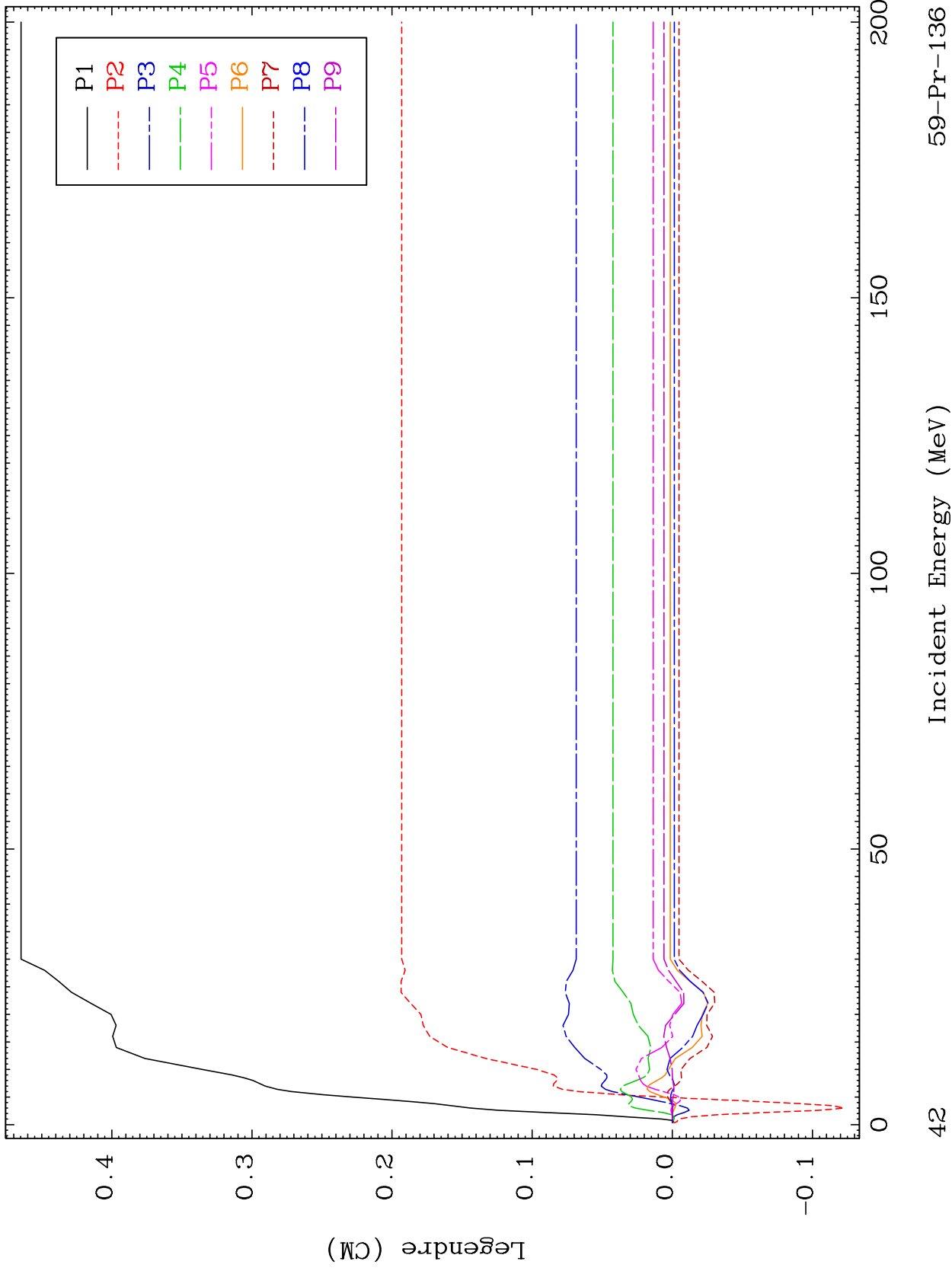
Incident Energy (MeV)

41

MAT 5910

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

59-Pr-136



59-Pr-136

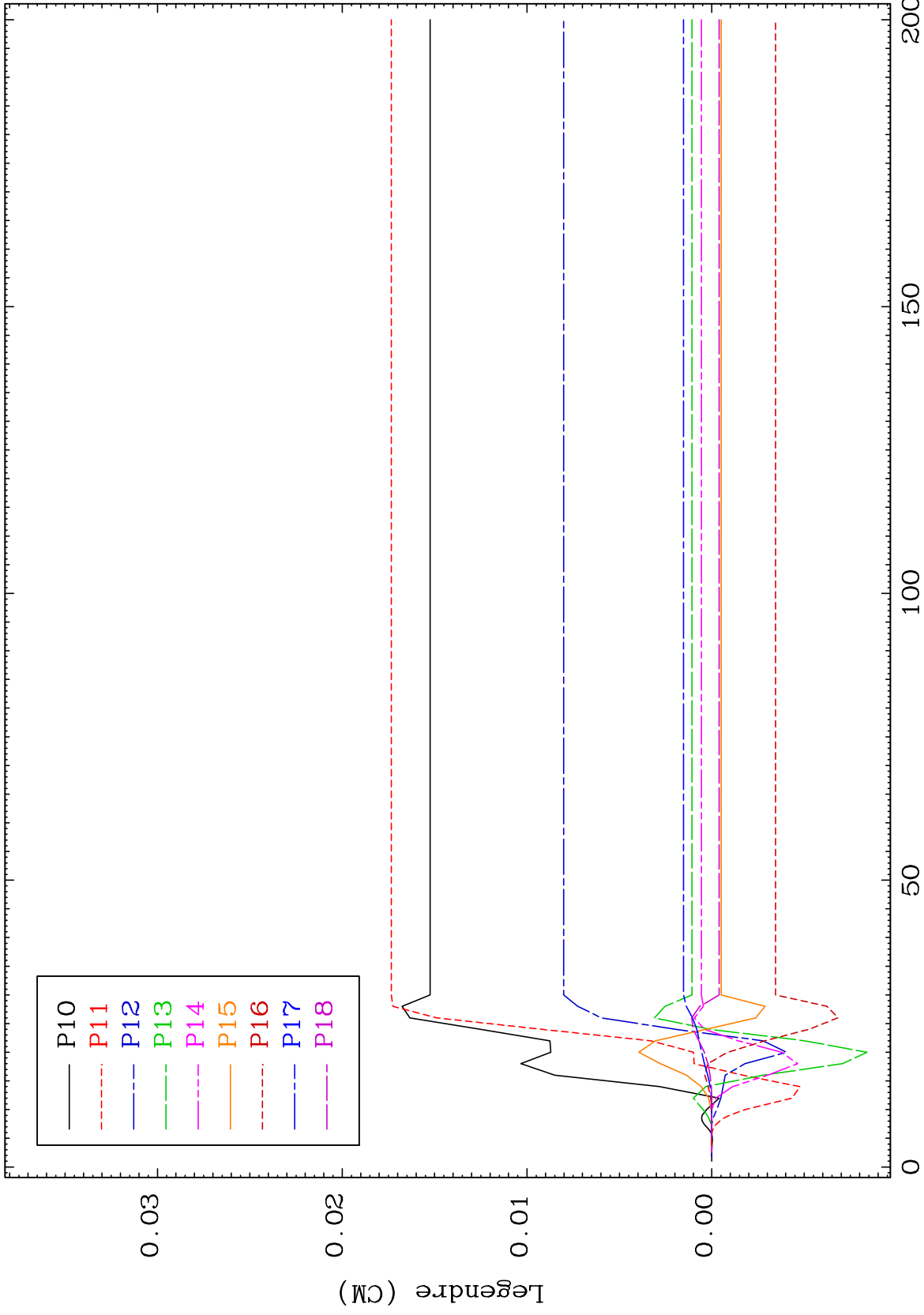
Incident Energy (MeV)

42

MAT 5910

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

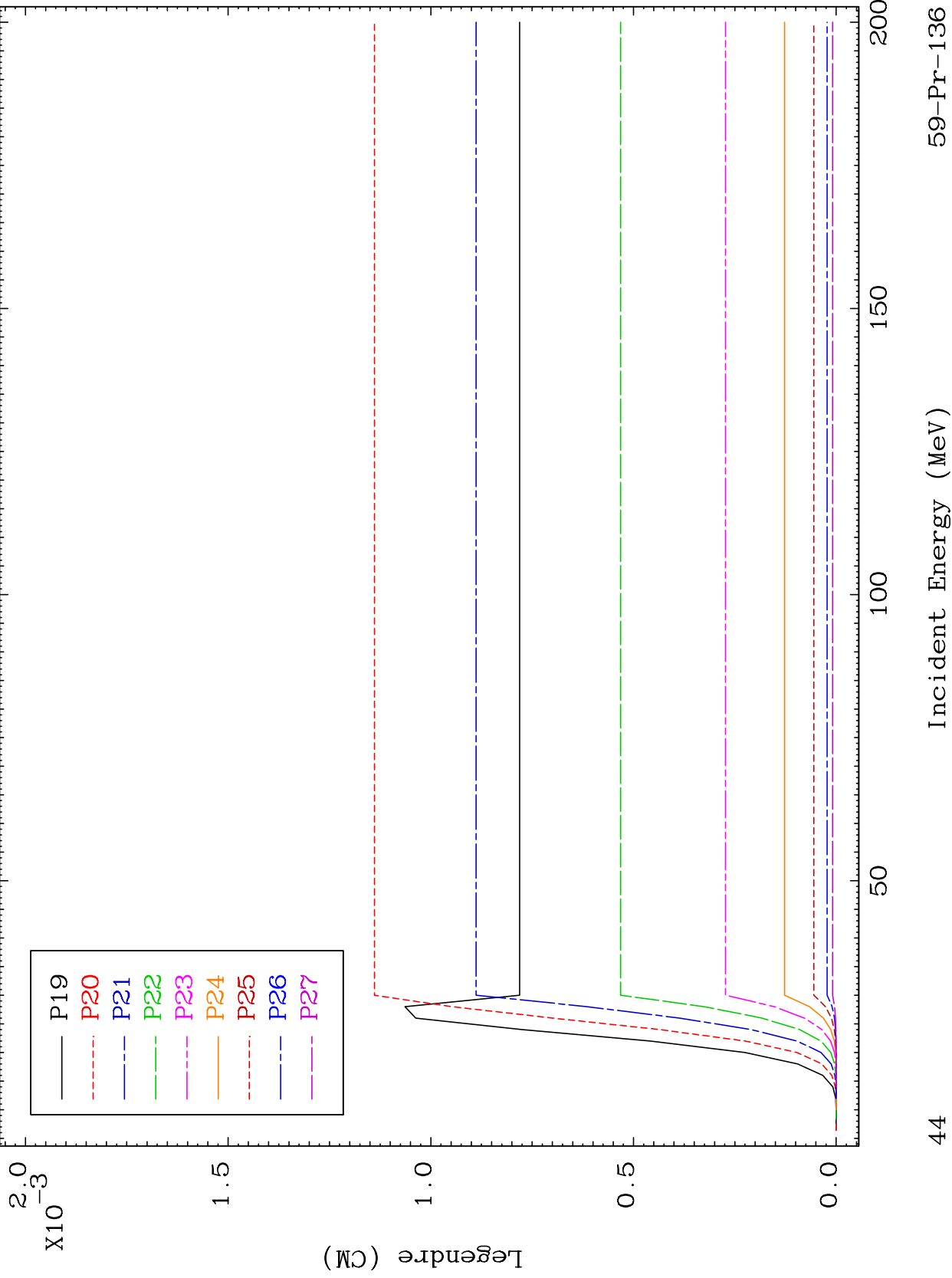
59-Pr-136



43

Incident Energy (MeV)

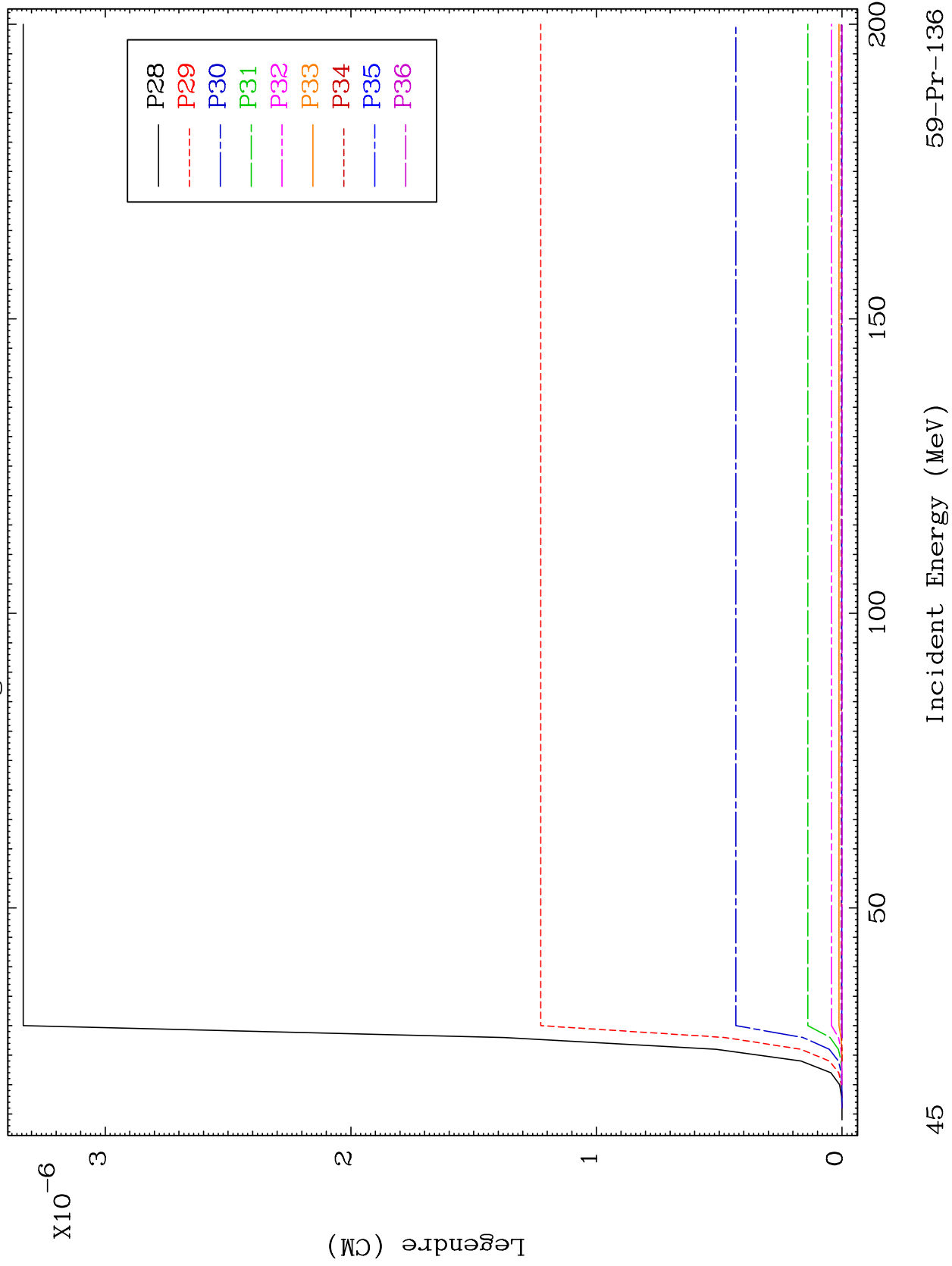
59-Pr-136



MAT 5910

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

59-Pr-136

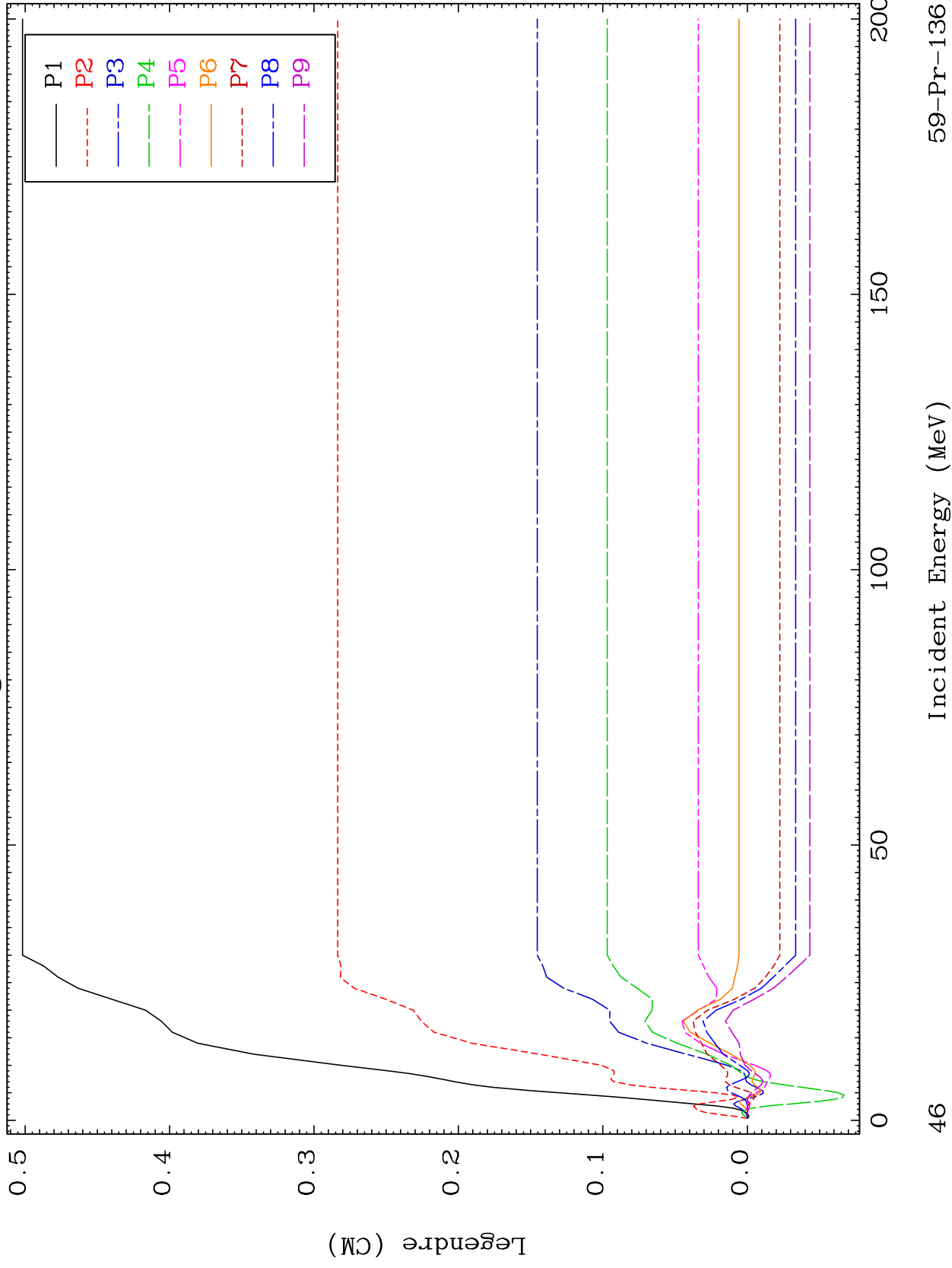


59-Pr-136

MAT 5910

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

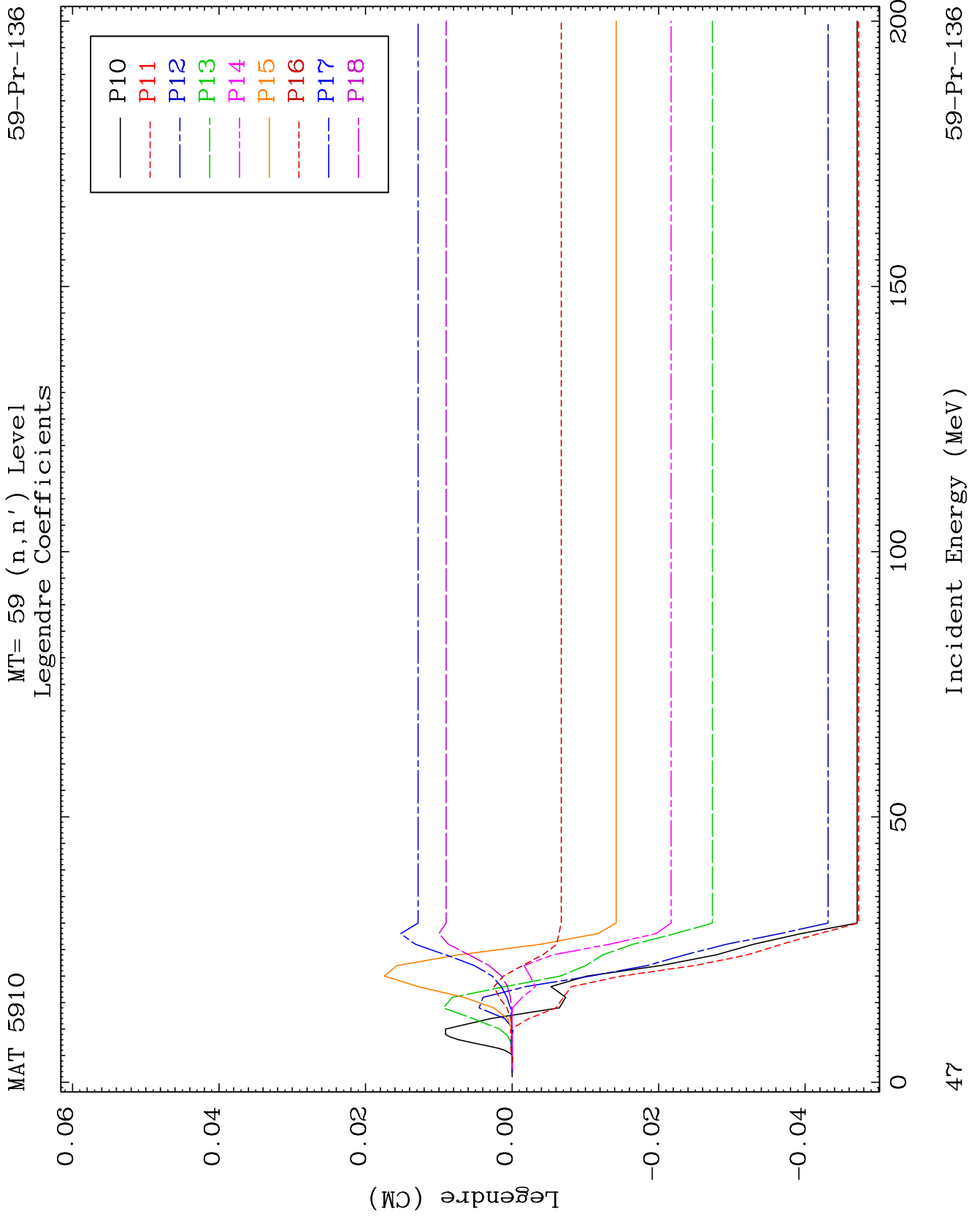
59-Pr-136



59-Pr-136

Incident Energy (MeV)

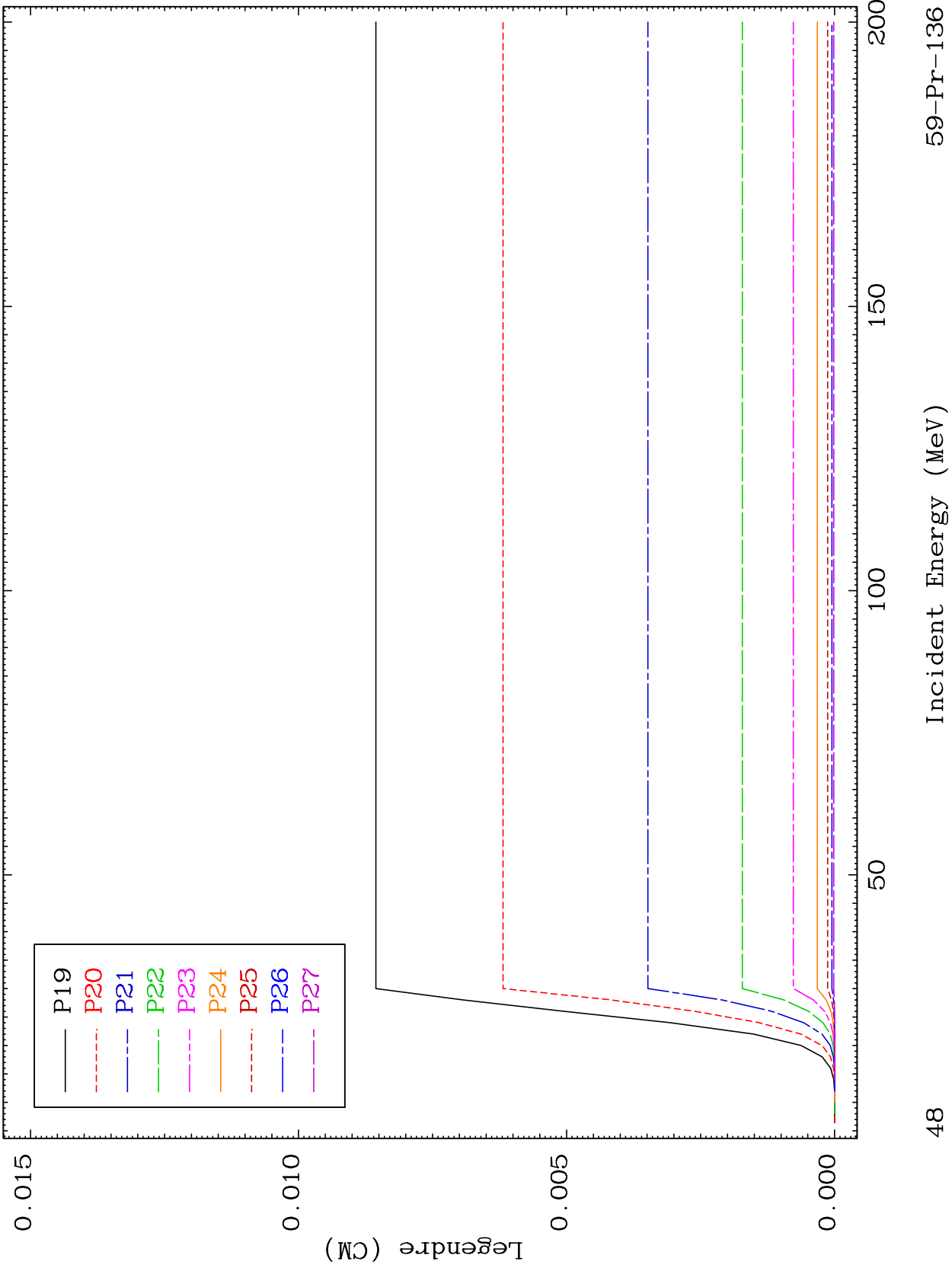
46



MAT 5910

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

59-Pr-136



48

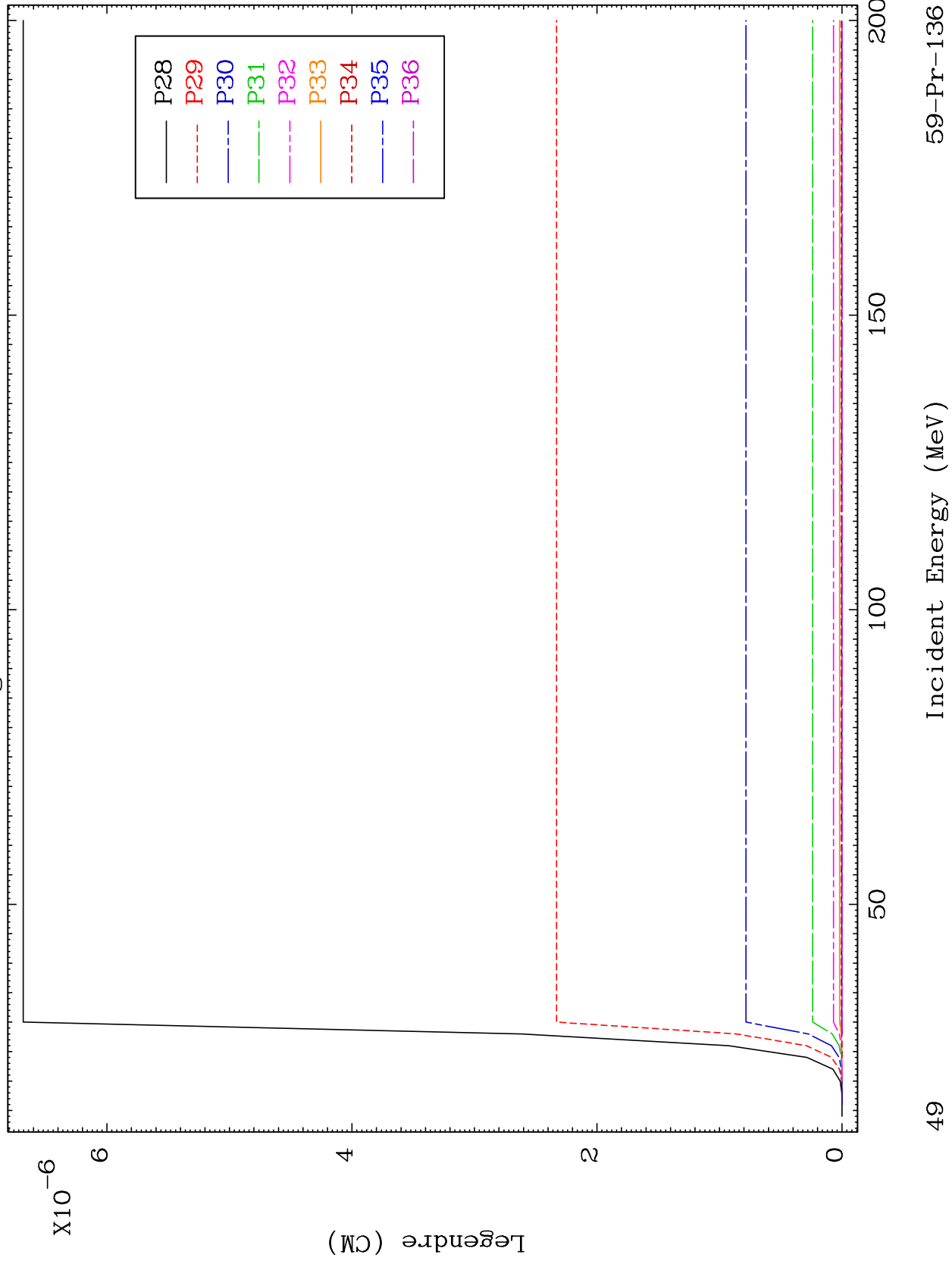
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



49

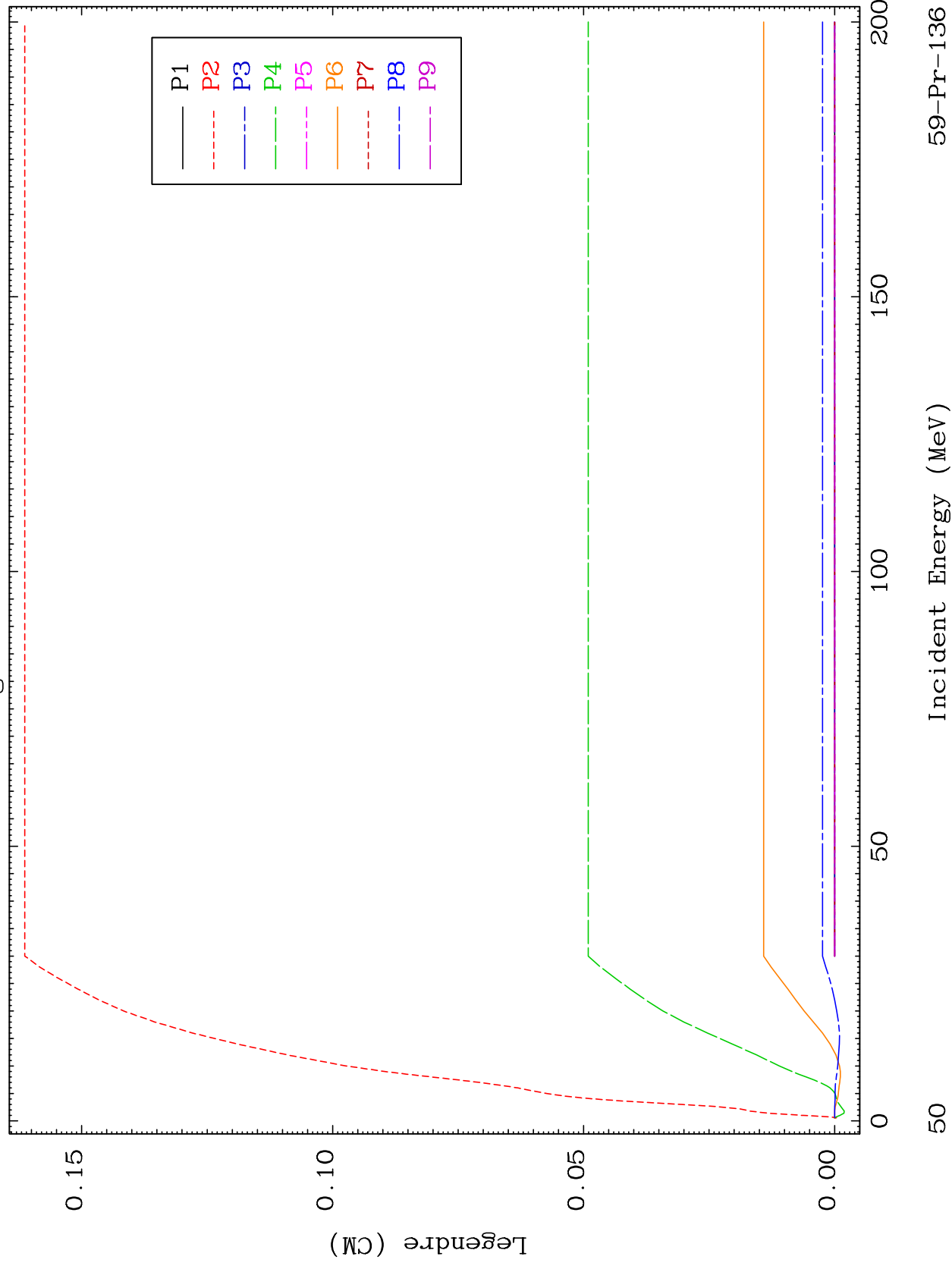
Incident Energy (MeV)

59-Pr-136

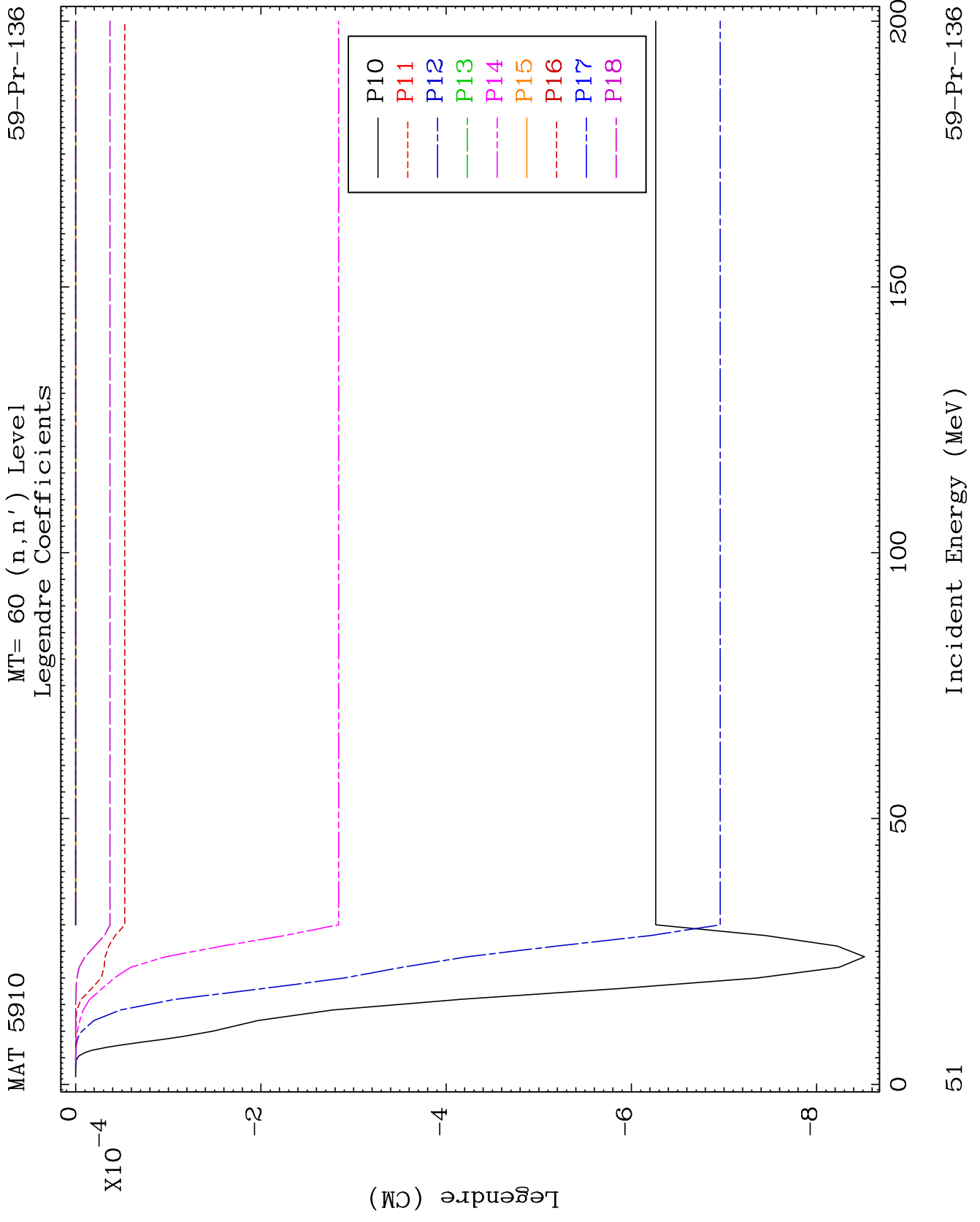
MAT 5910

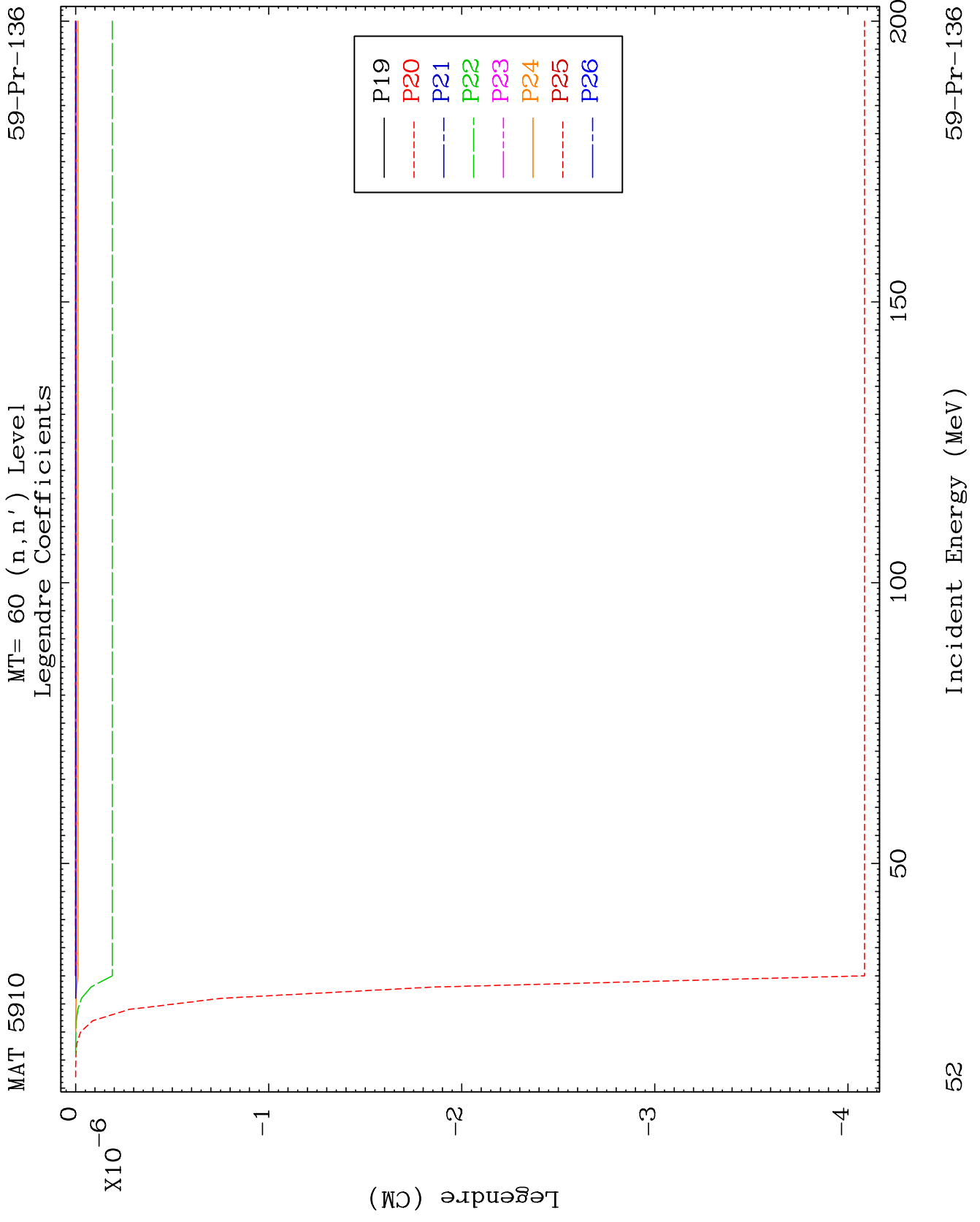
MT= 60 (n,n') Level  
Legendre Coefficients

59-Pr-136



59-Pr-136

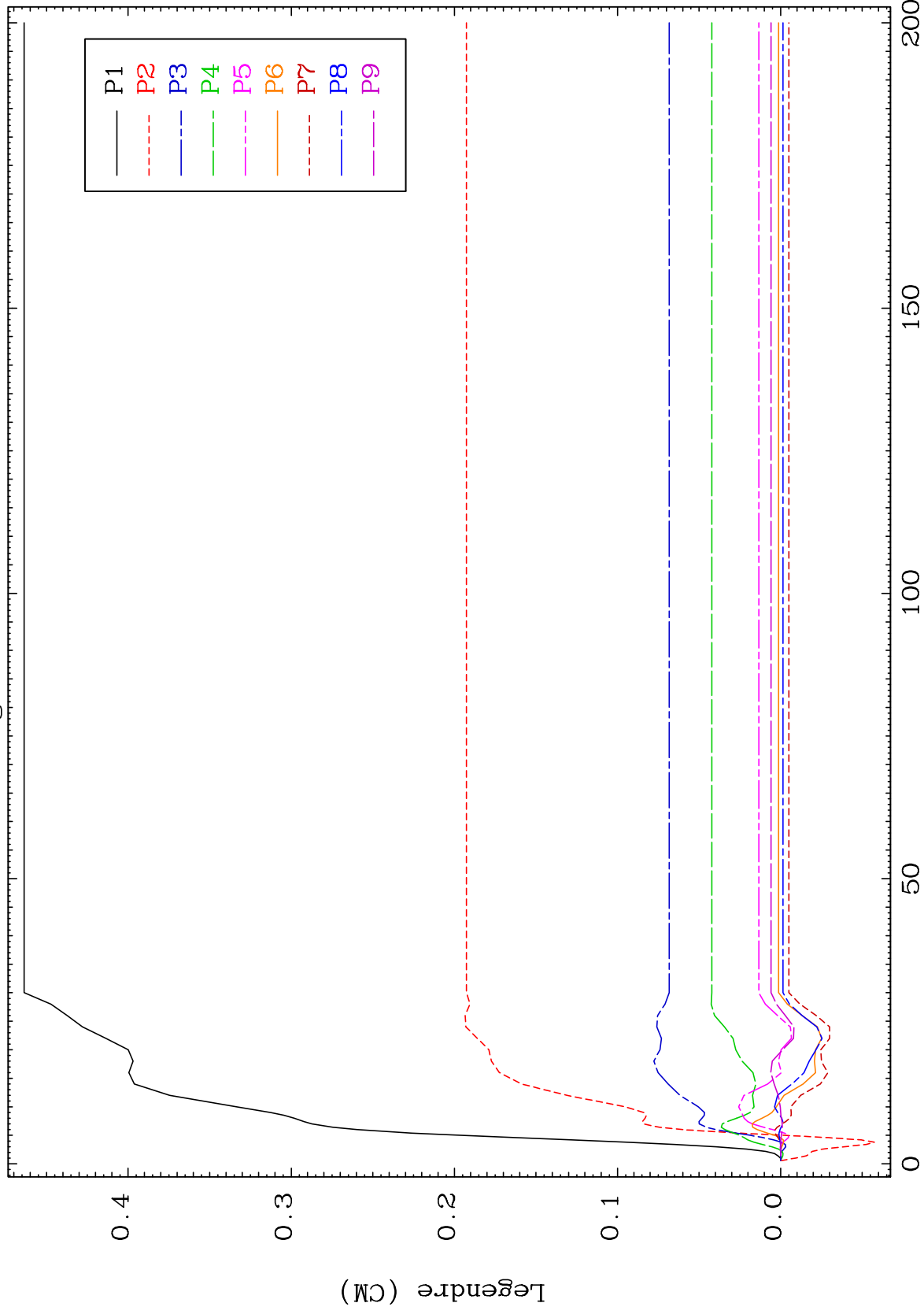




MAT 5910

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

59-Pr-136



53

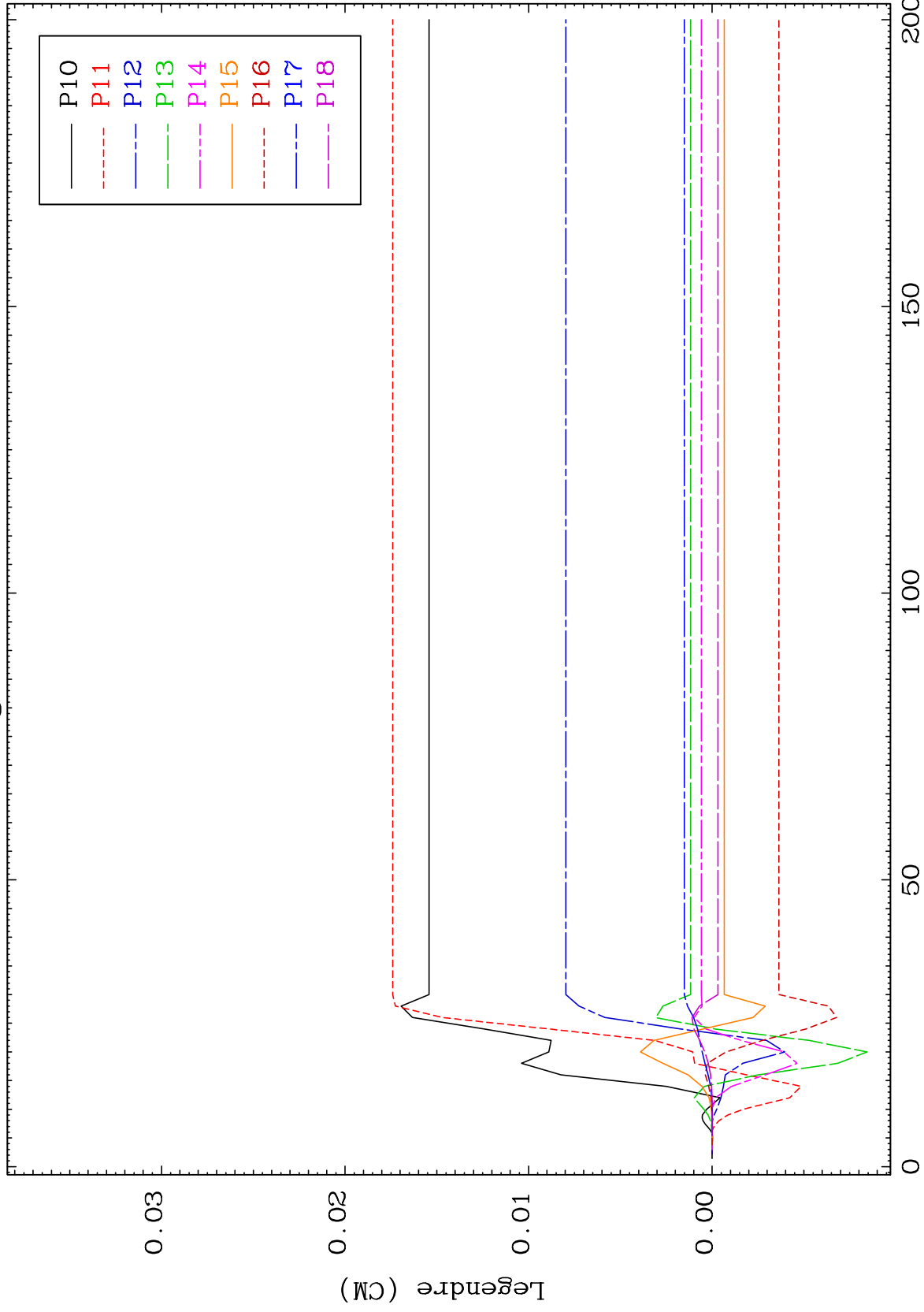
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

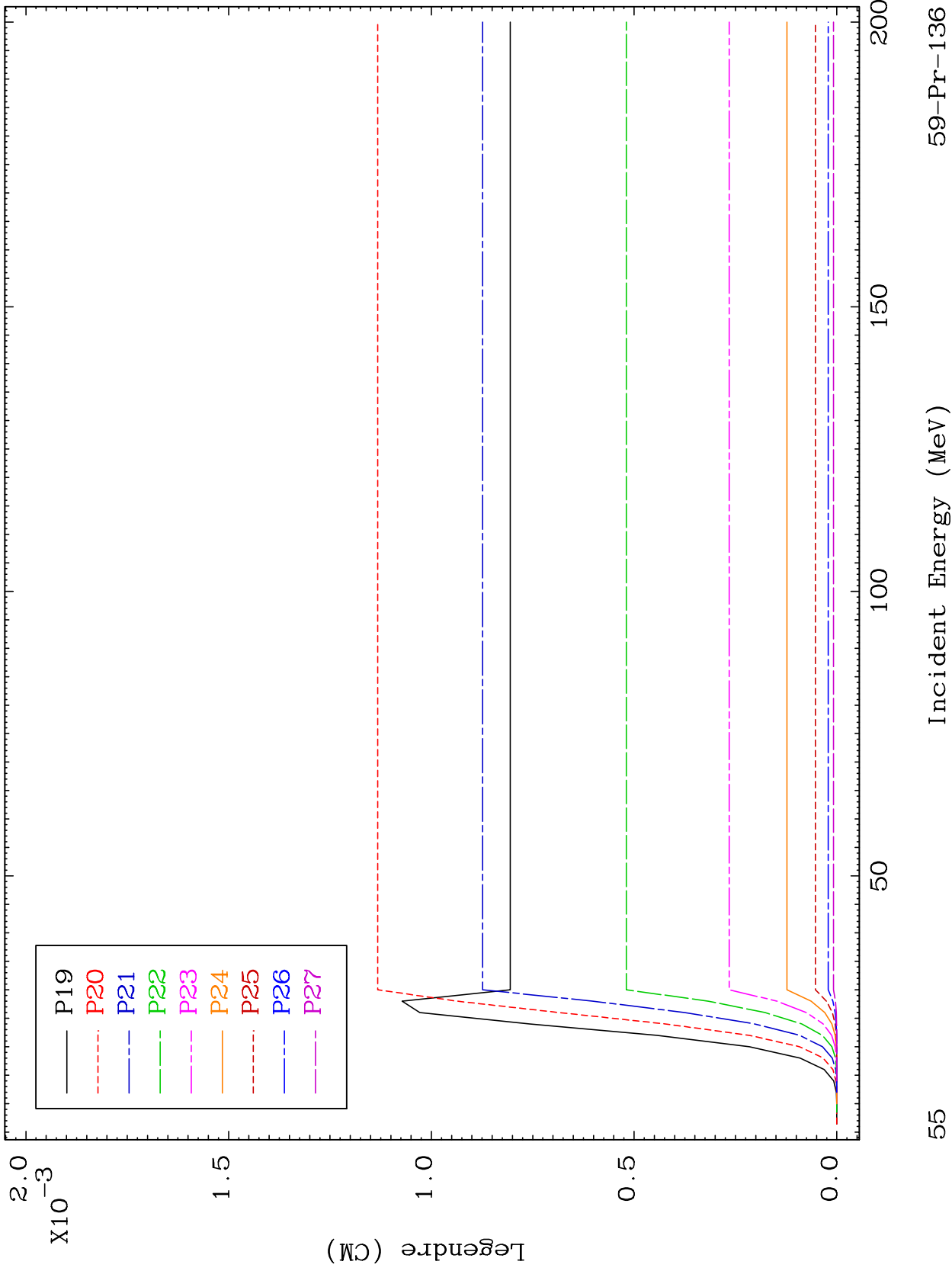
59-Pr-136



54

Incident Energy (MeV)

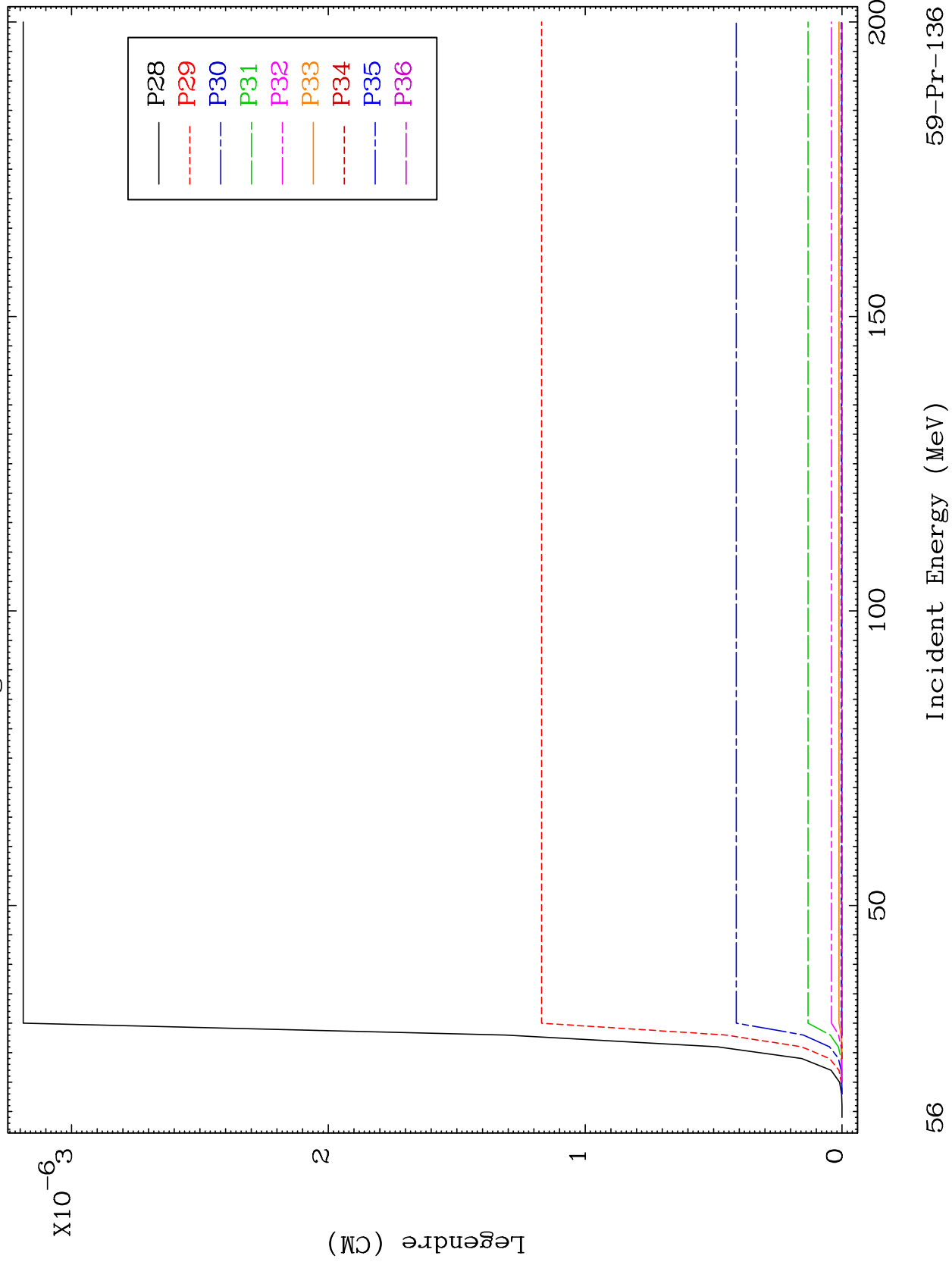
59-Pr-136



MAT 5910

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

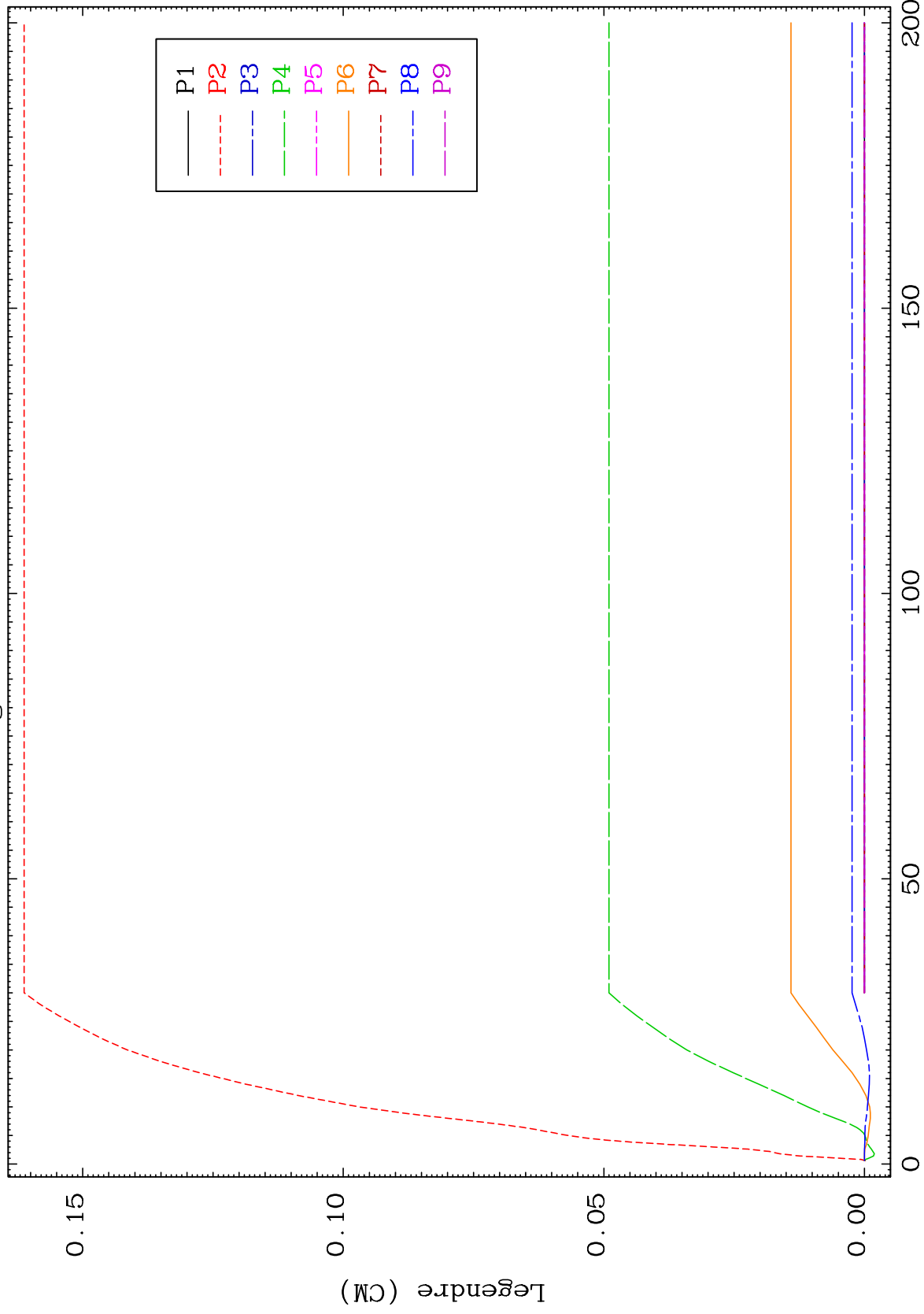
59-Pr-136



MAT 5910

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

59-Pr-136

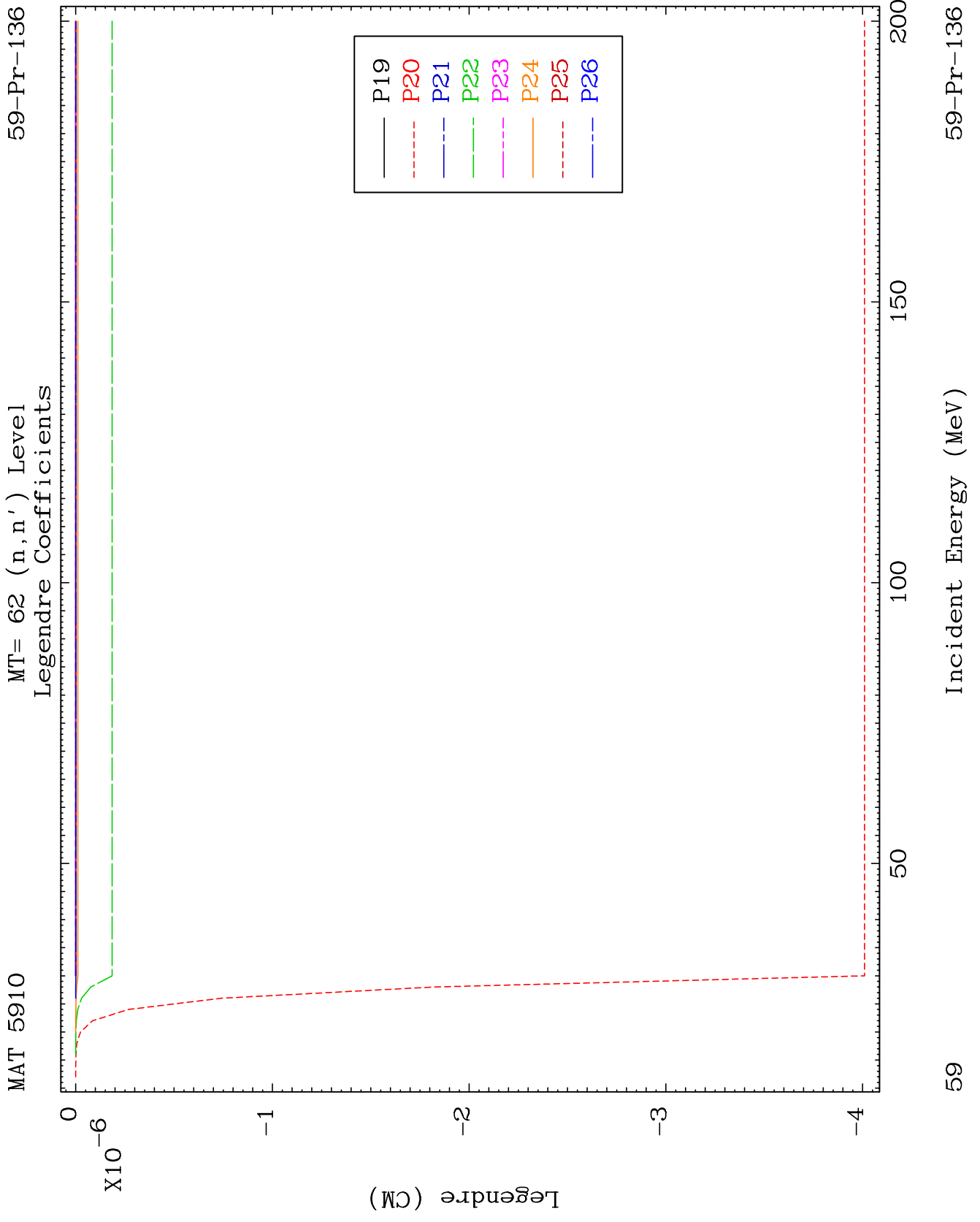


57

Incident Energy (MeV)

59-Pr-136

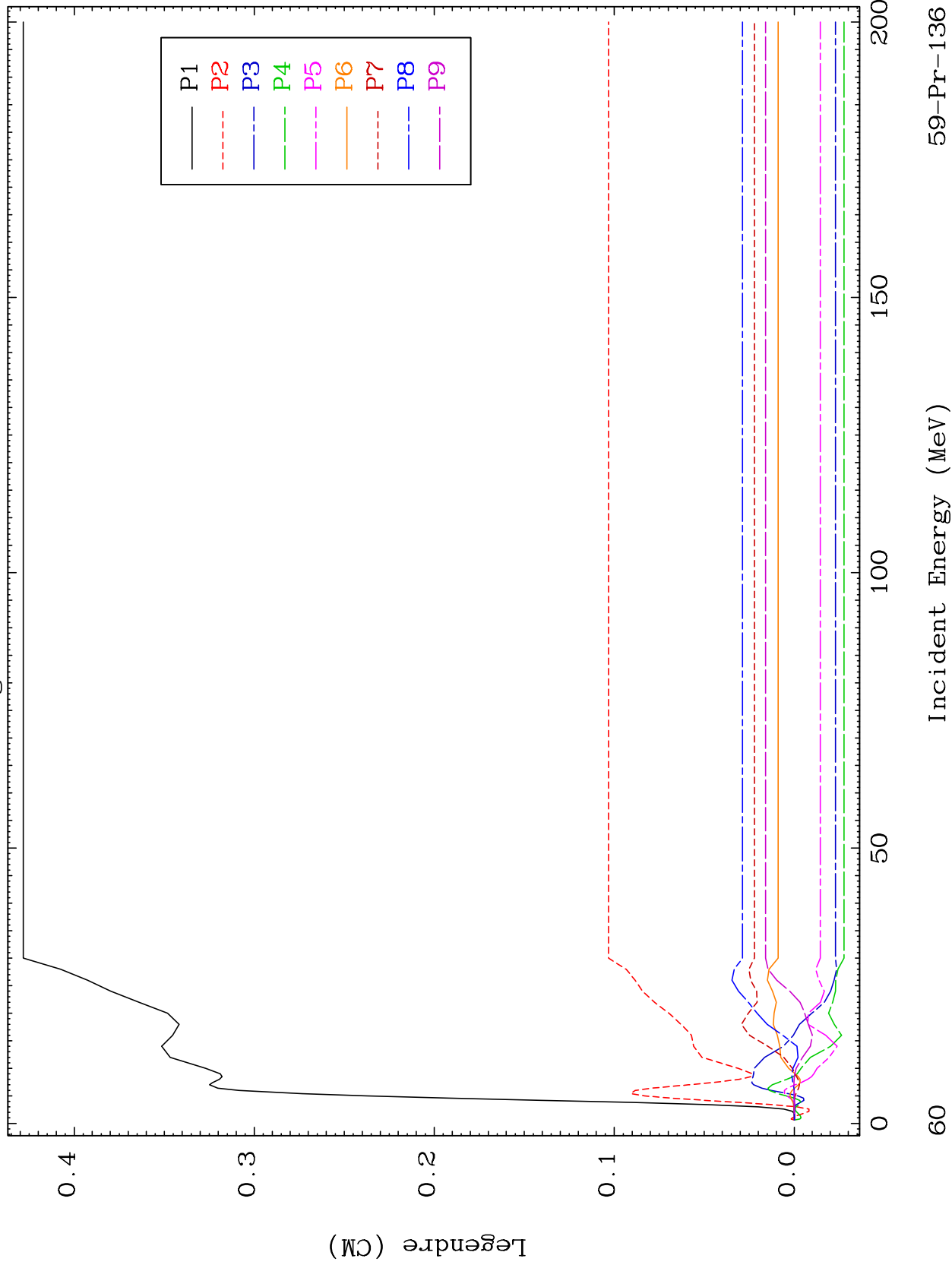




MAT 5910

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

59-Pr-136



59-Pr-136

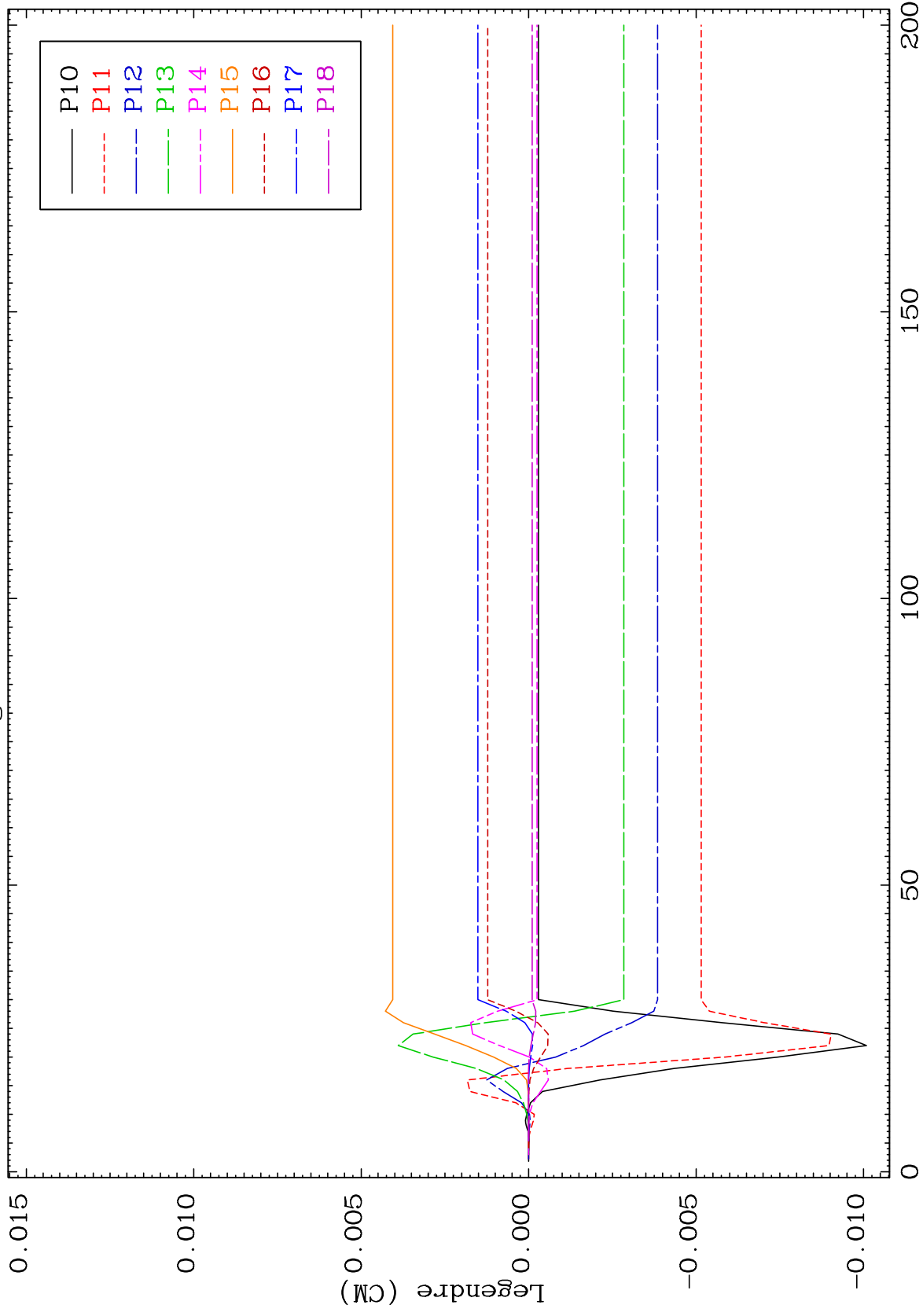
Incident Energy (MeV)

60

MAT 5910

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

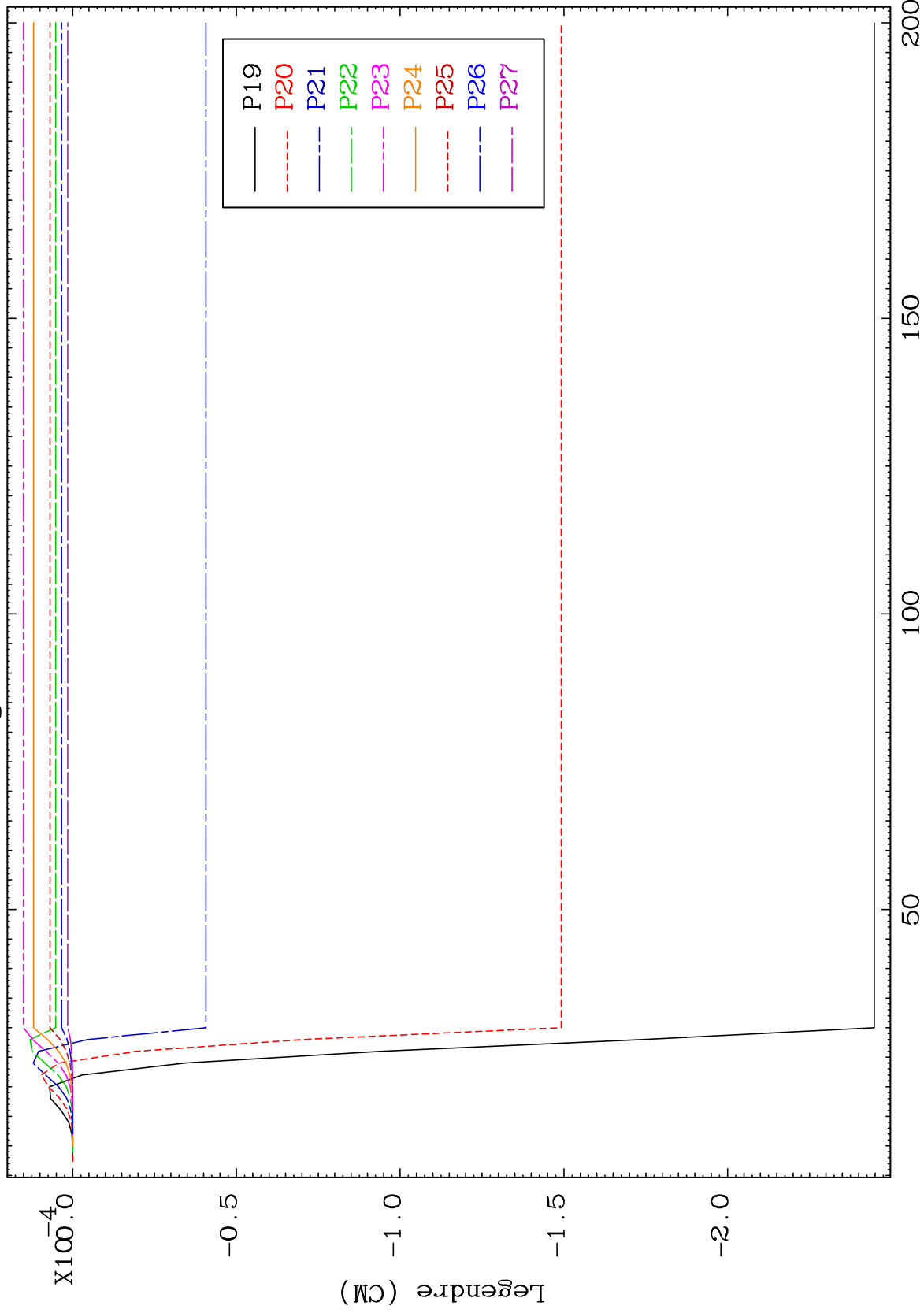
59-Pr-136



61

Incident Energy (MeV)

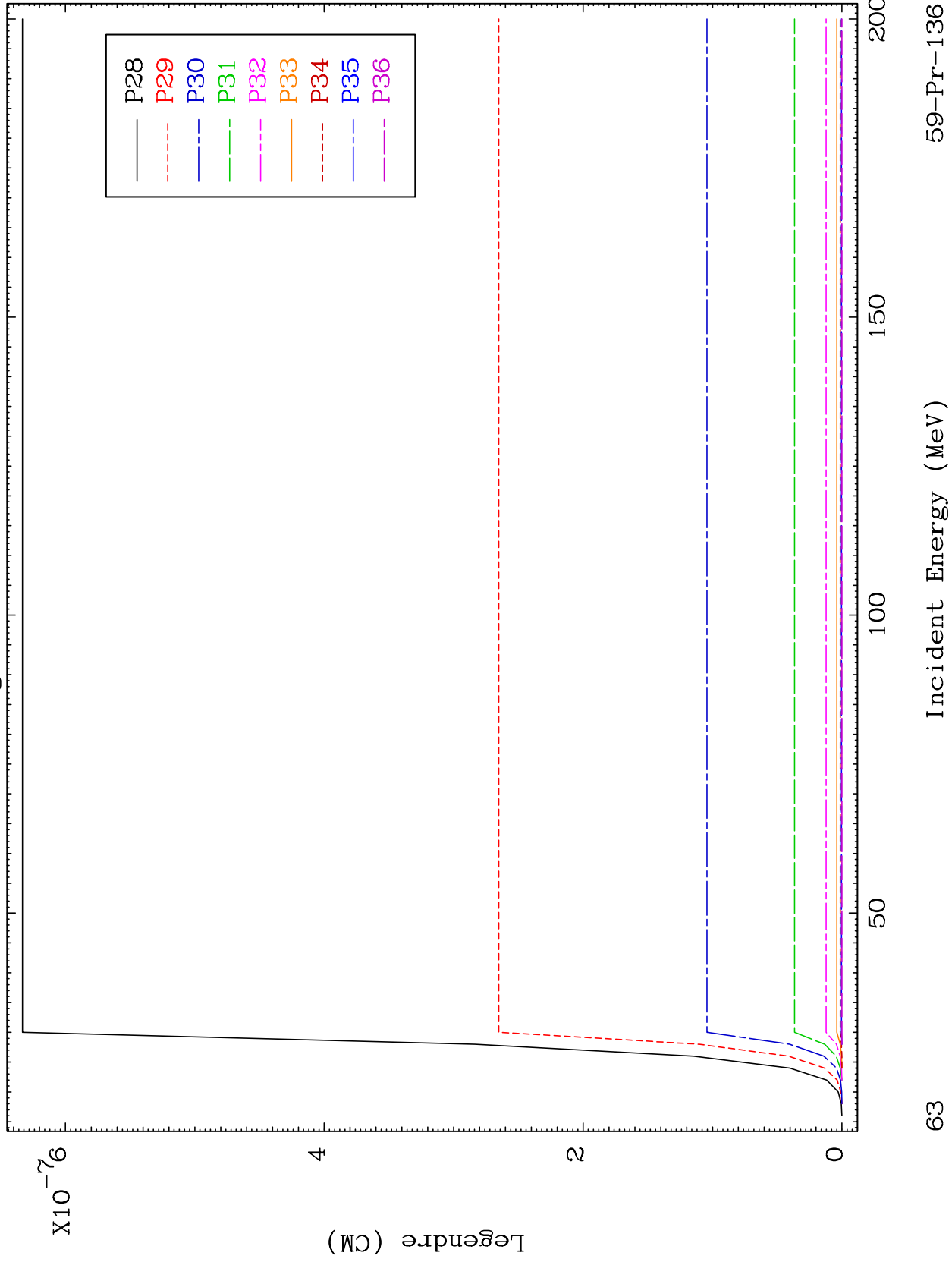
59-Pr-136



MAT 5910

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

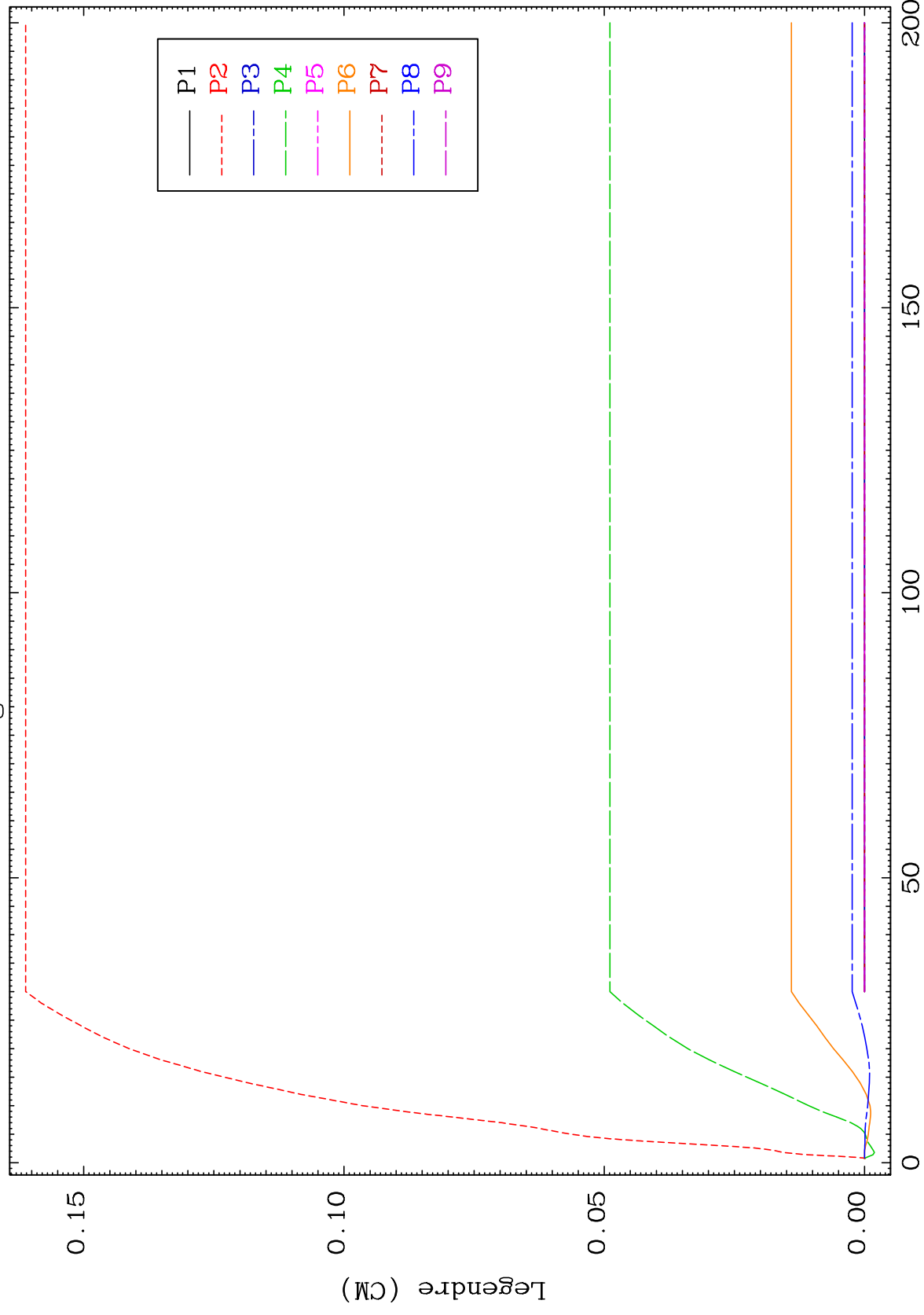
59-Pr-136



MAT 5910

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

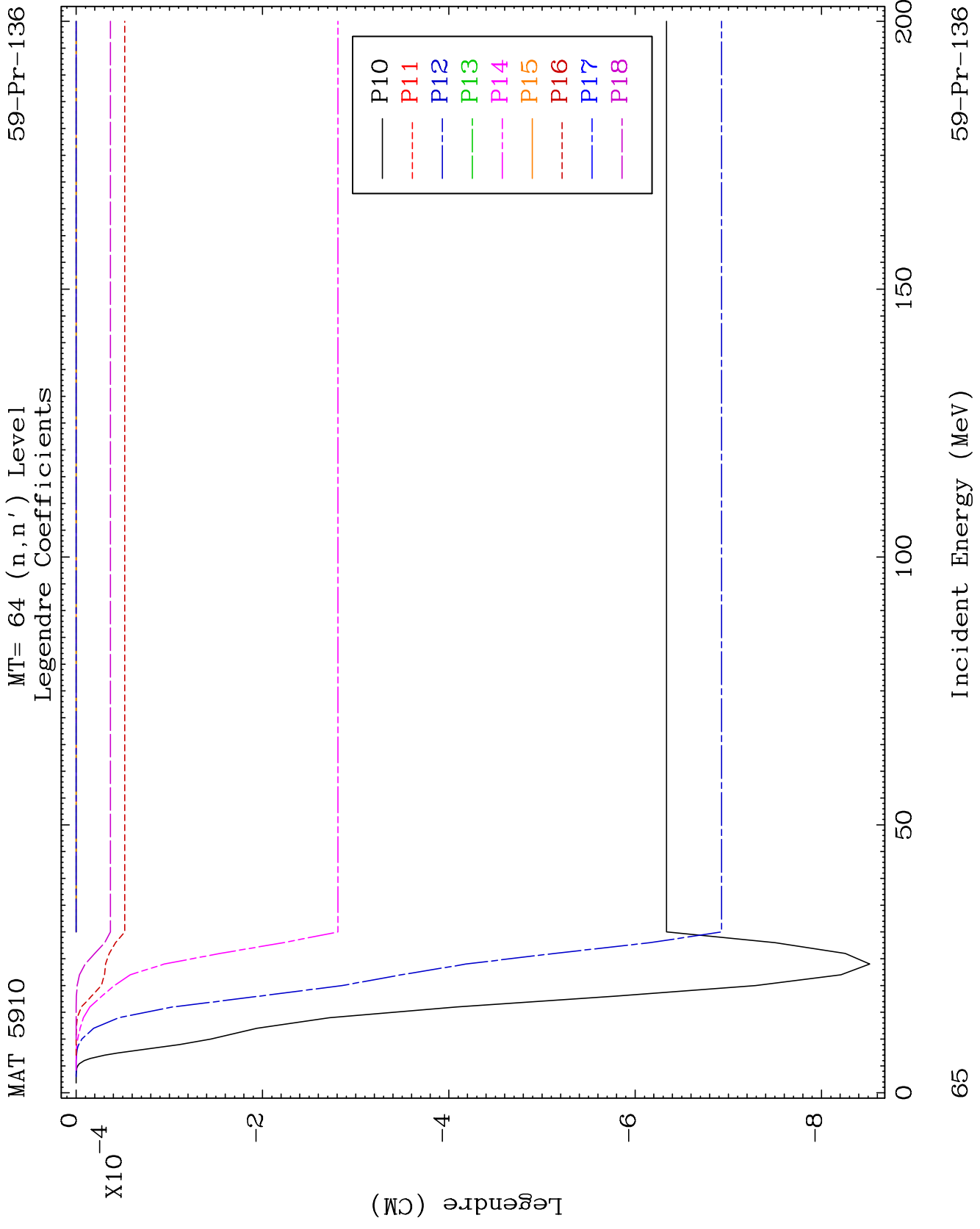
59-Pr-136

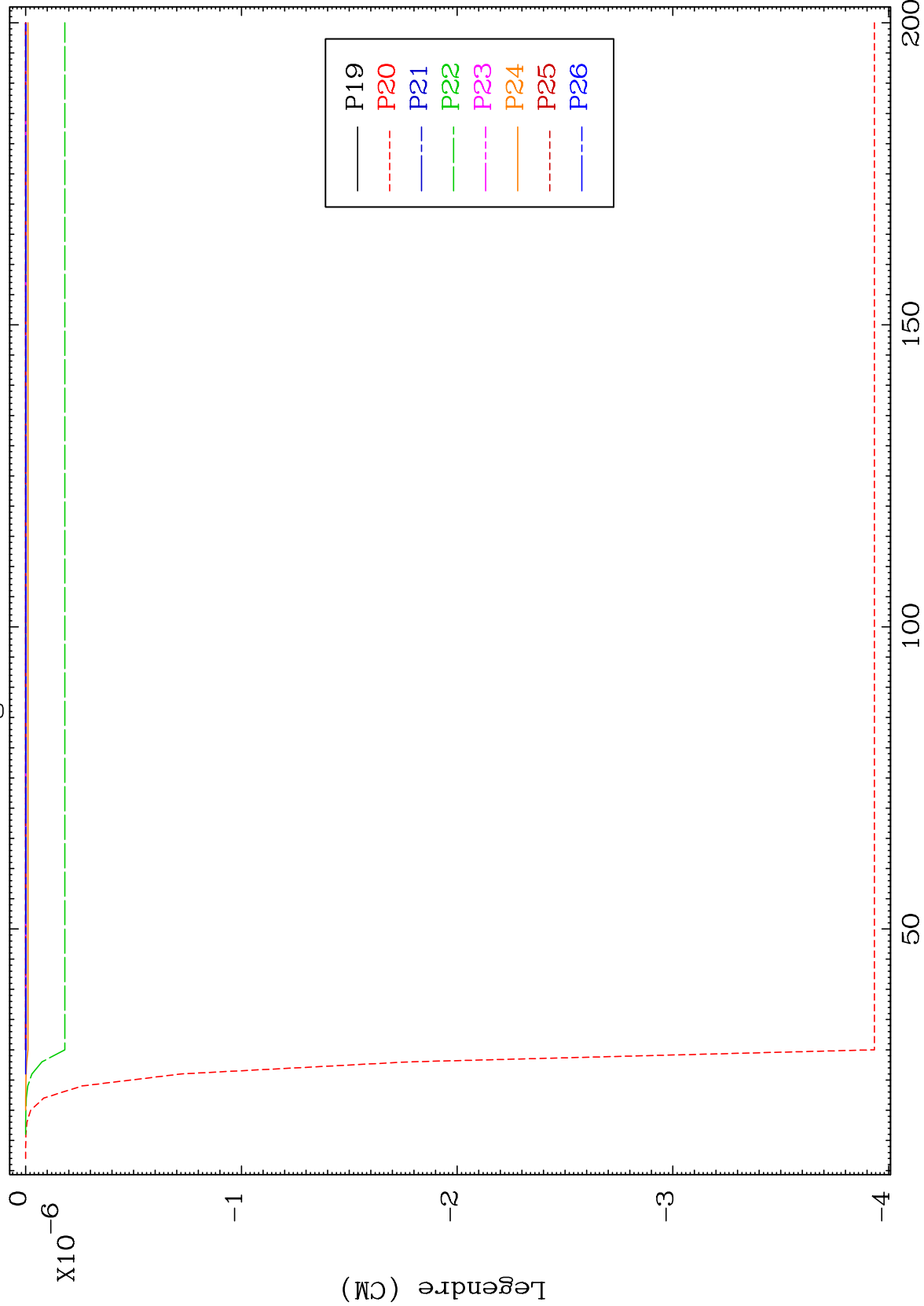


64

Incident Energy (MeV)

59-Pr-136

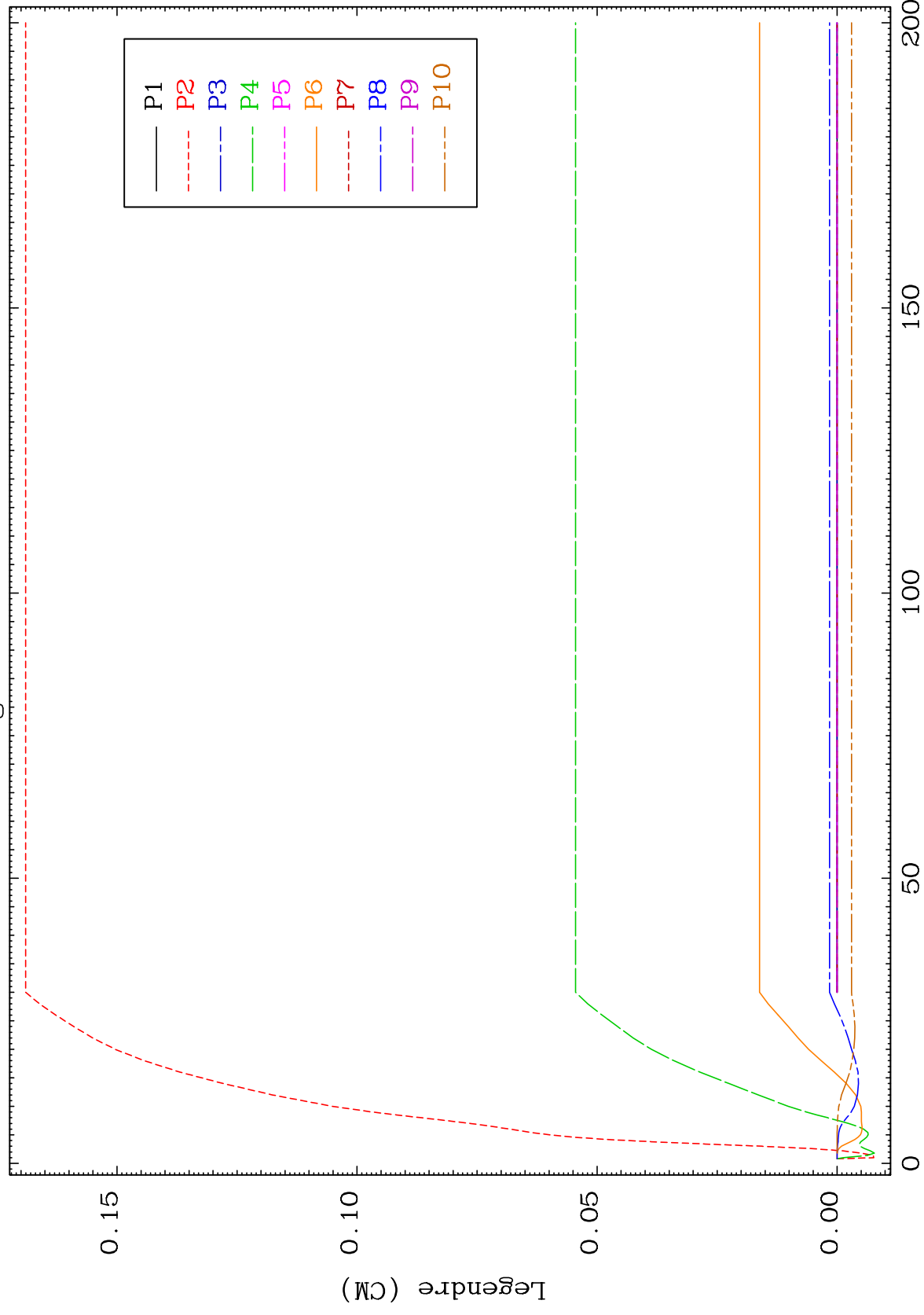




MAT 5910

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

59-Pr-136



59-Pr-136

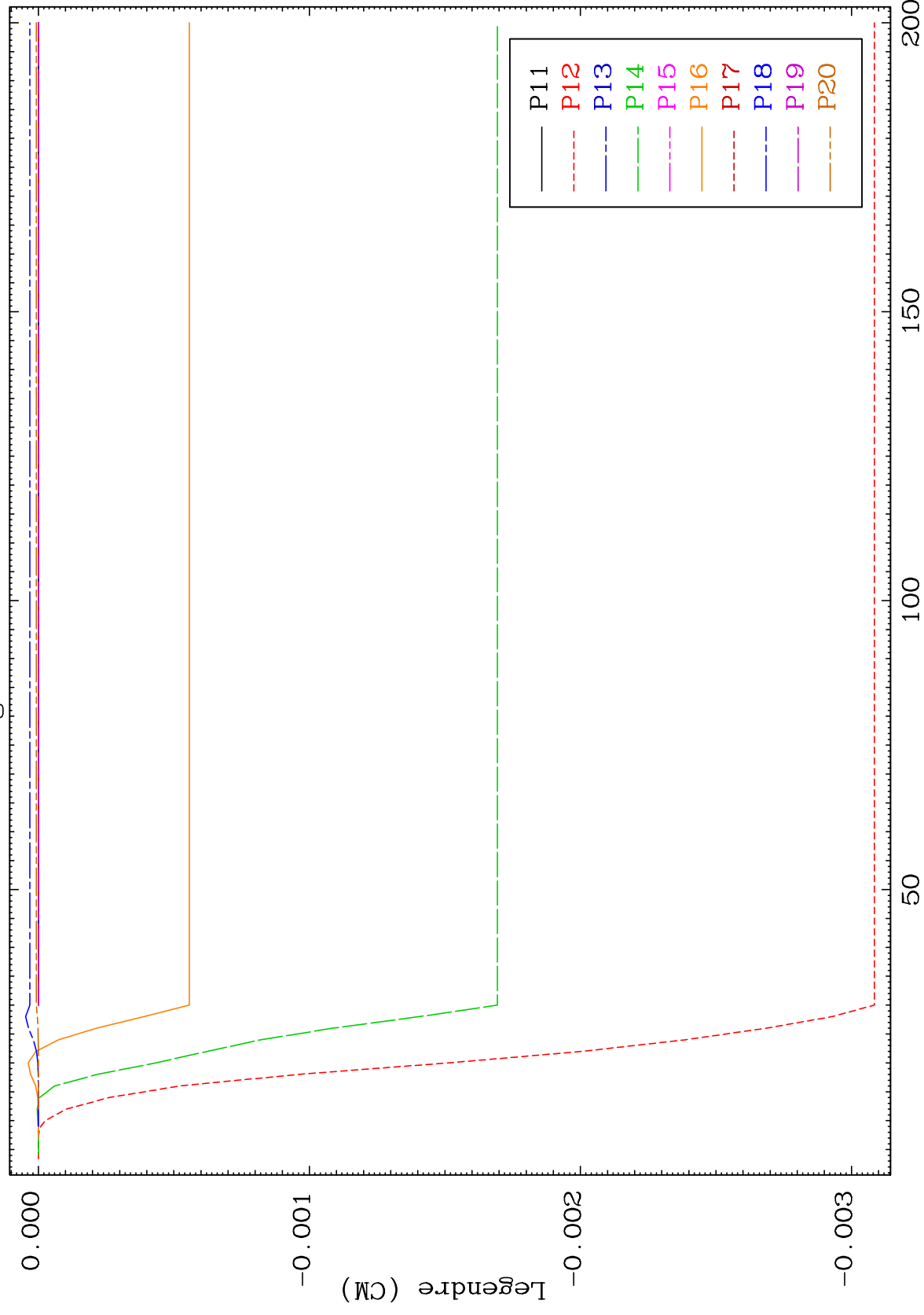
Incident Energy (MeV)

67

MAT 5910

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

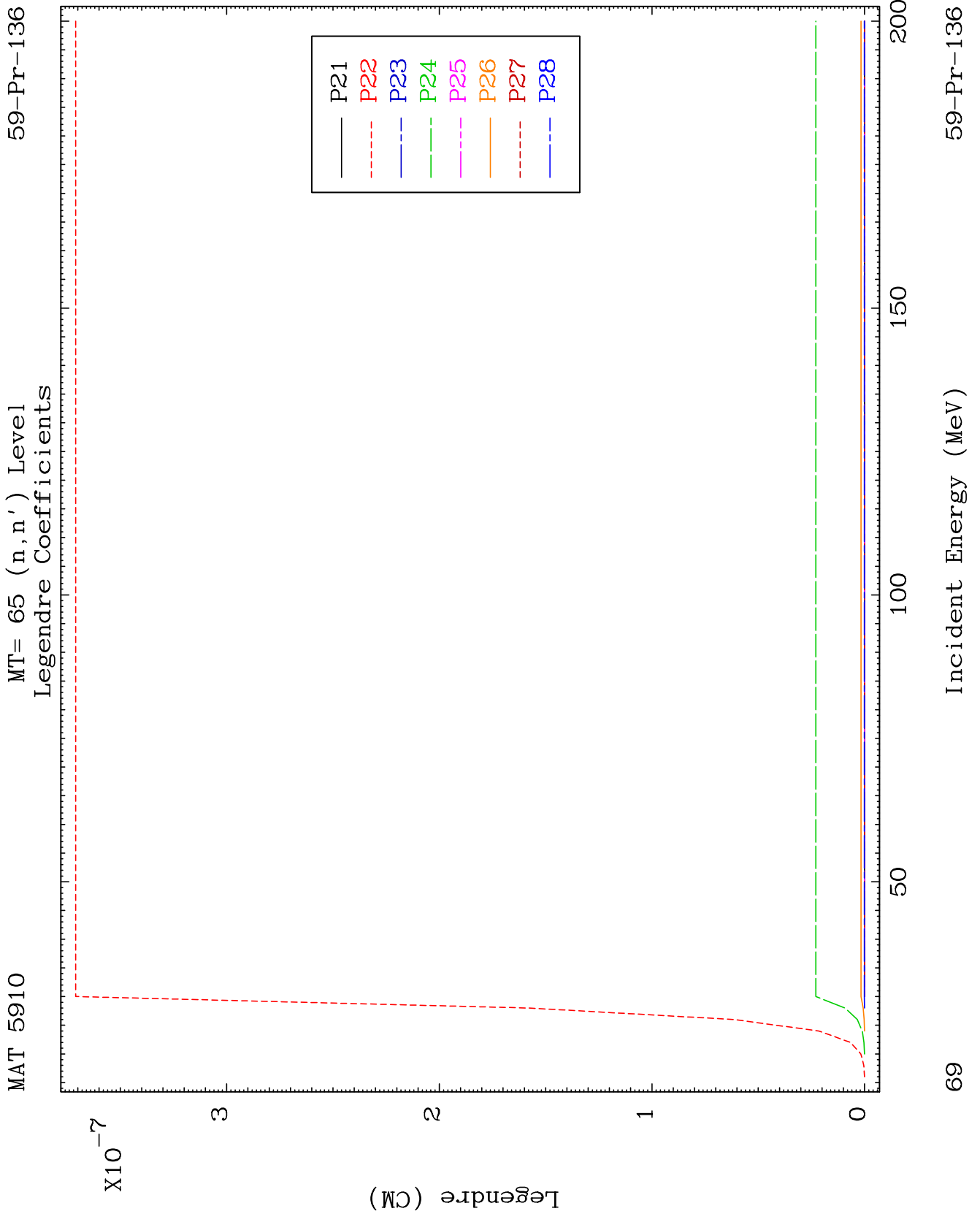
59-Pr-136



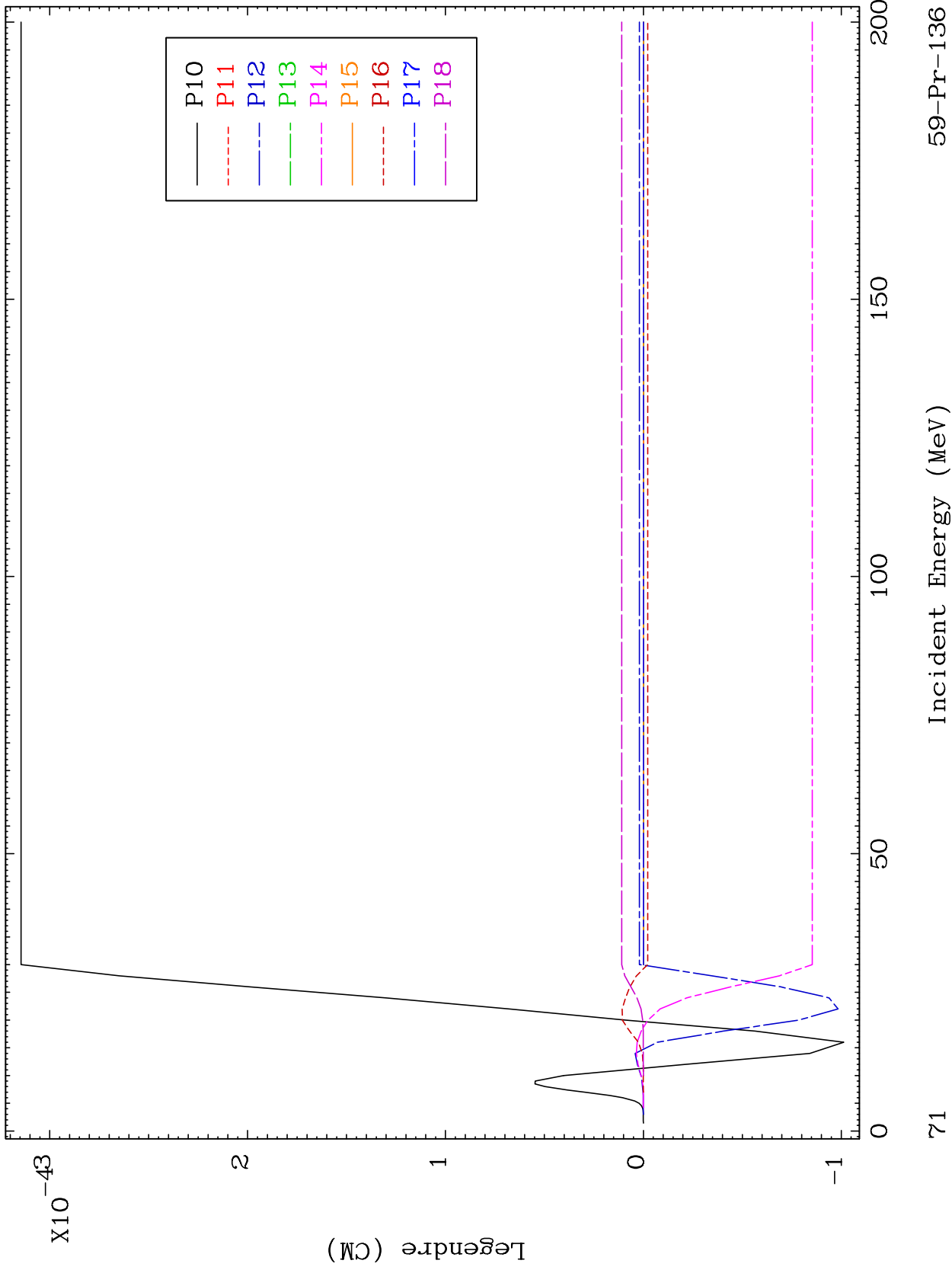
68

Incident Energy (MeV)

59-Pr-136



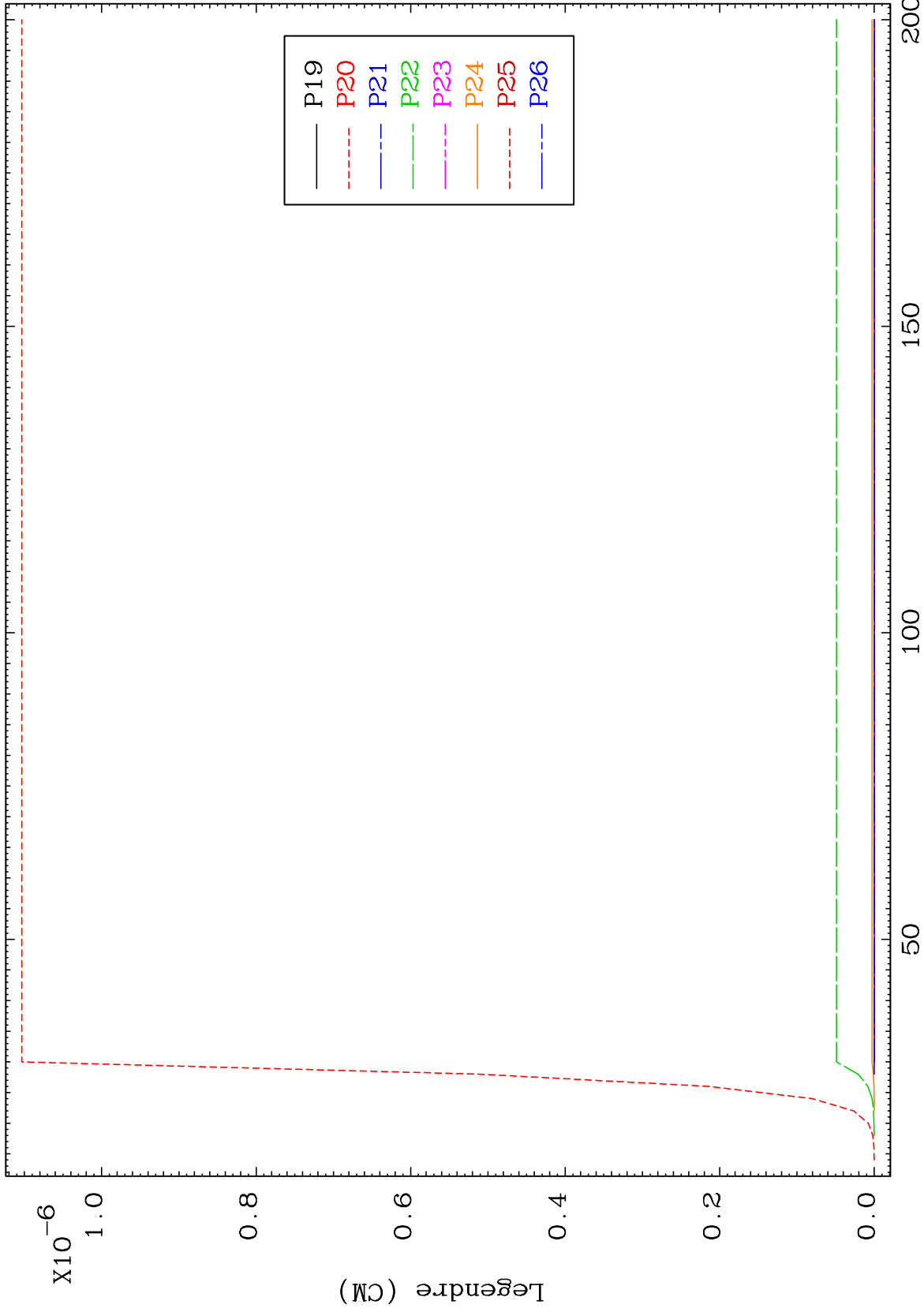




MAT 5910

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

59-Pr-136



72

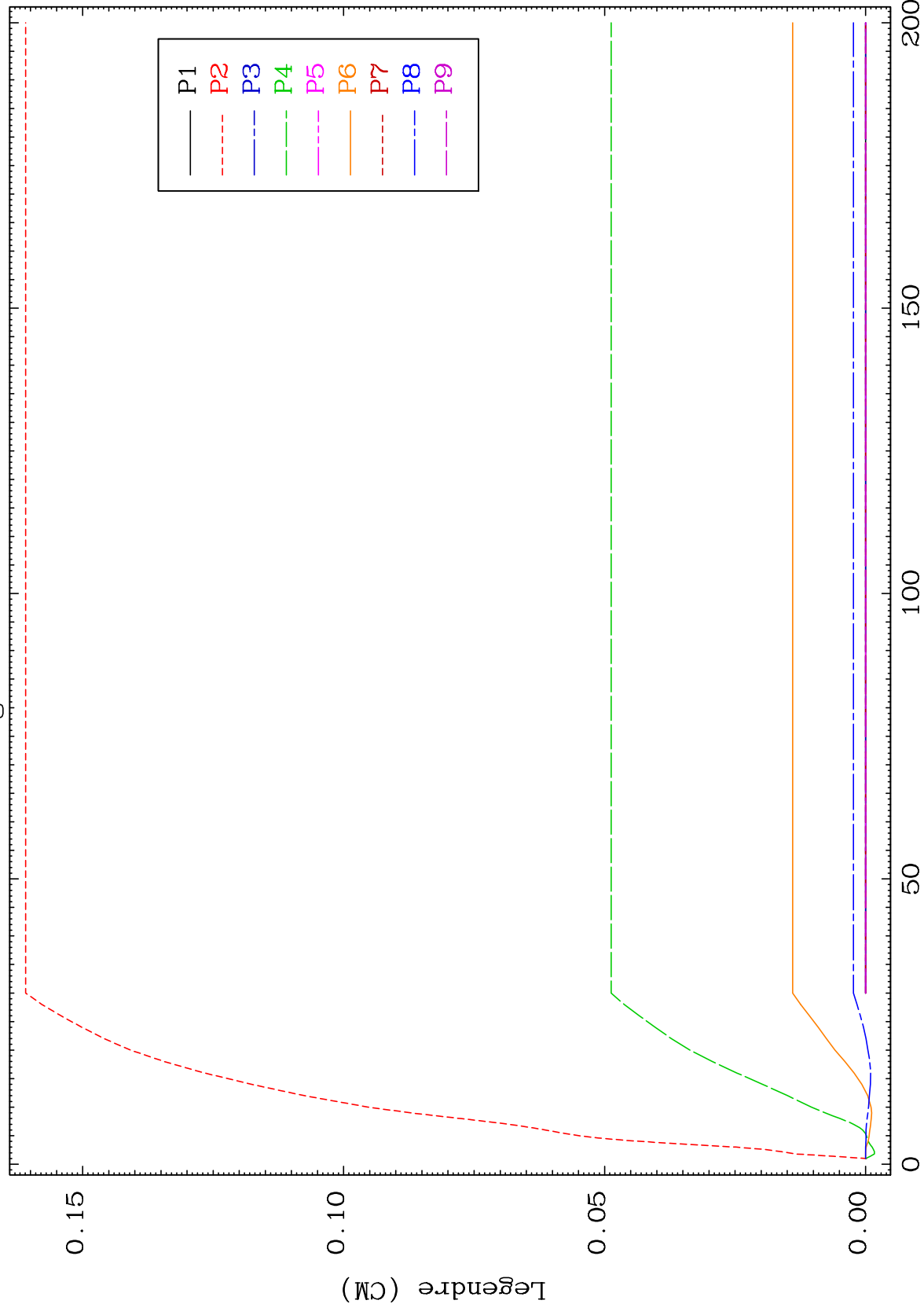
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



73

Incident Energy (MeV)

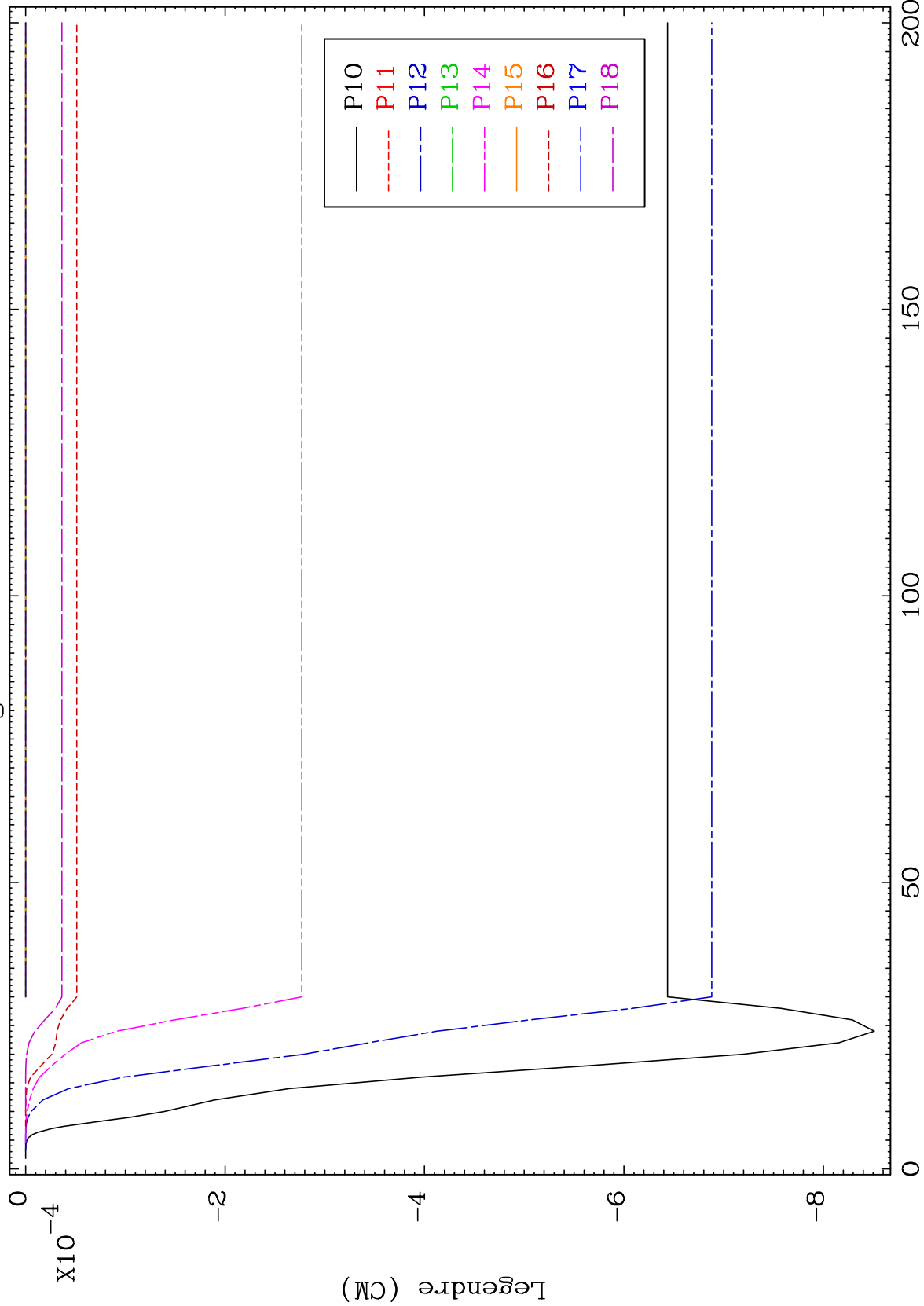
59-Pr-136

MAT 5910

MT= 67 (n,n') Level

59-Pr-136

Legendre Coefficients



59-Pr-136

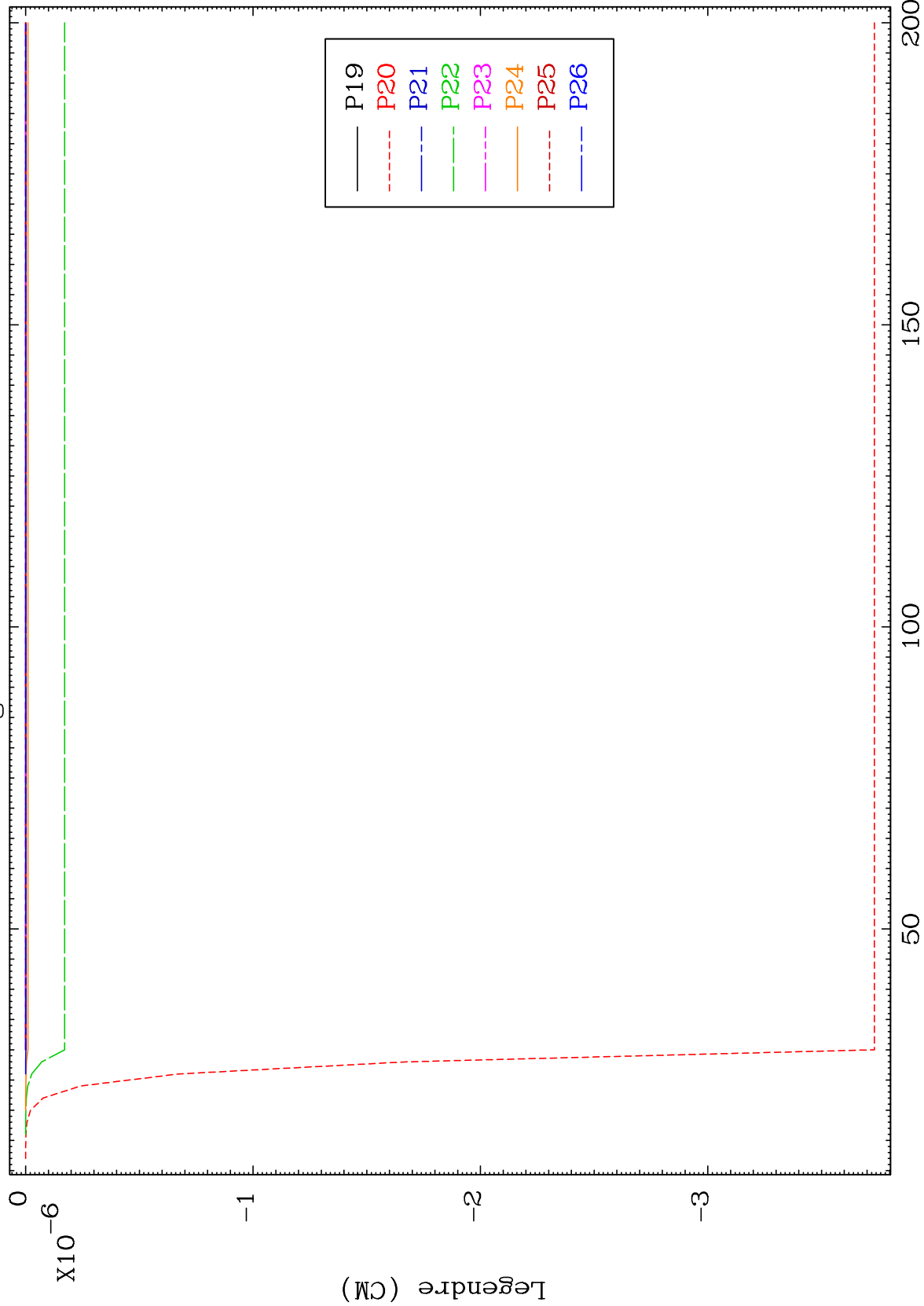
Incident Energy (MeV)

74

MAT 5910

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

59-Pr-136



59-Pr-136

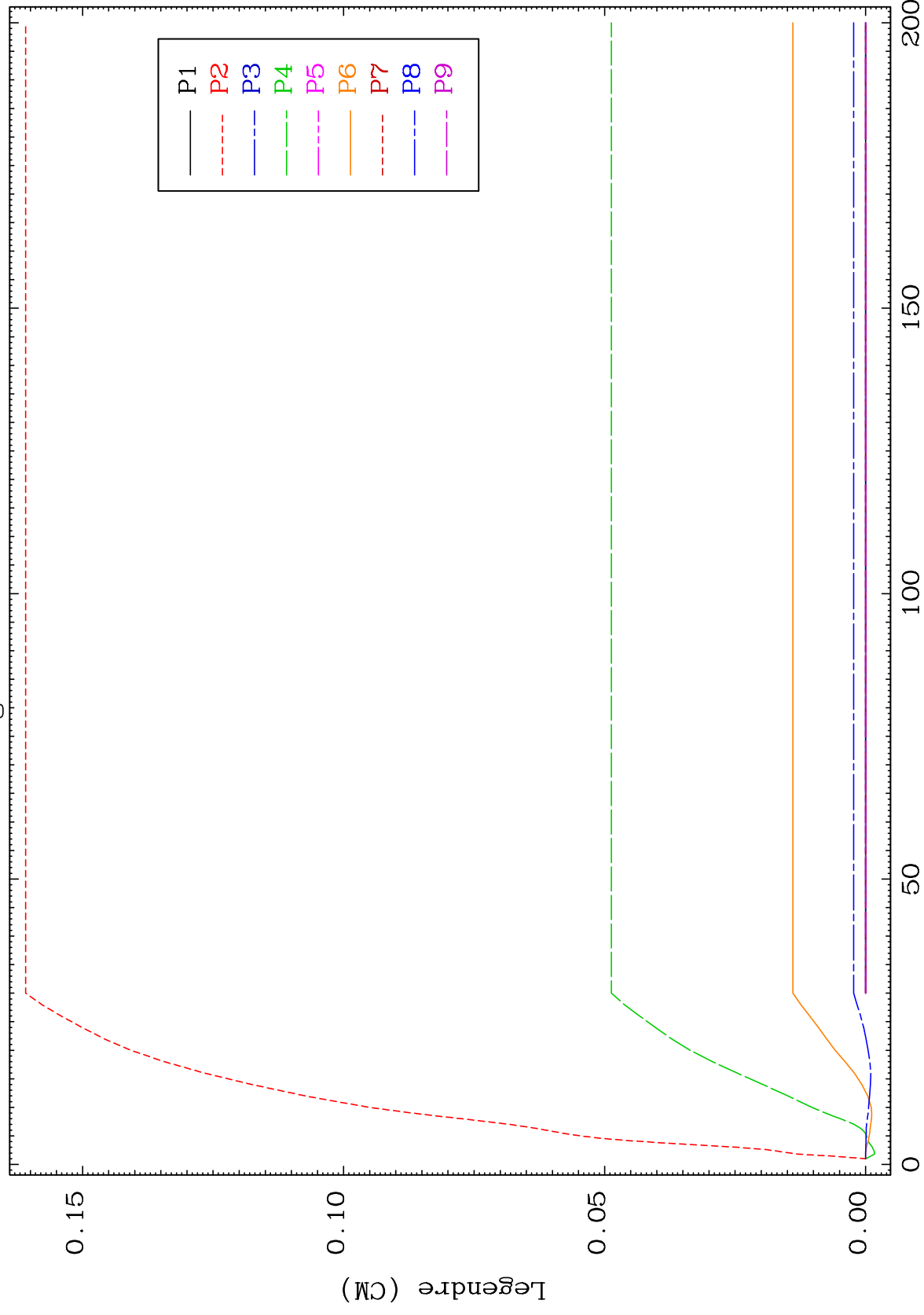
Incident Energy (MeV)

75

MAT 5910

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

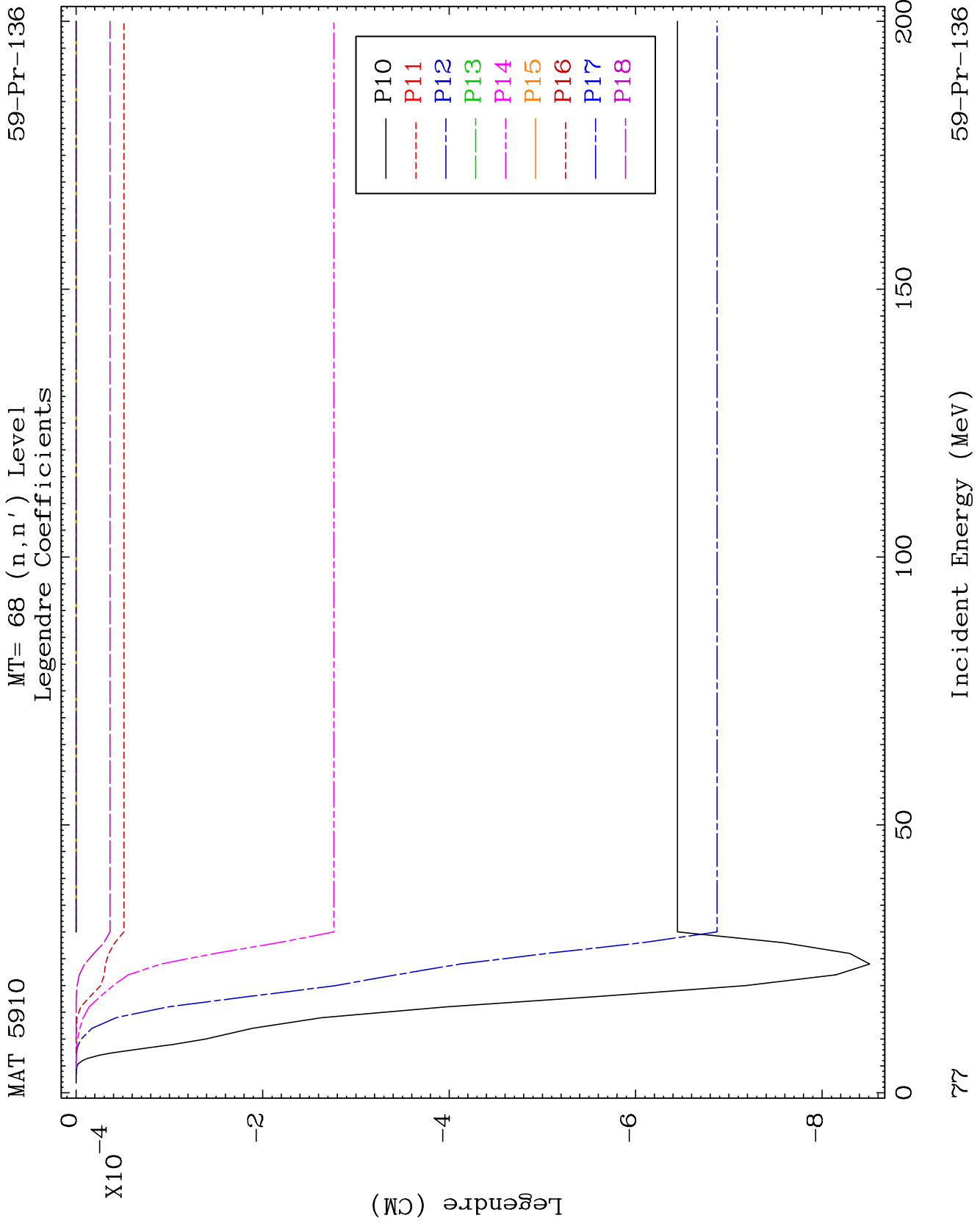
59-Pr-136

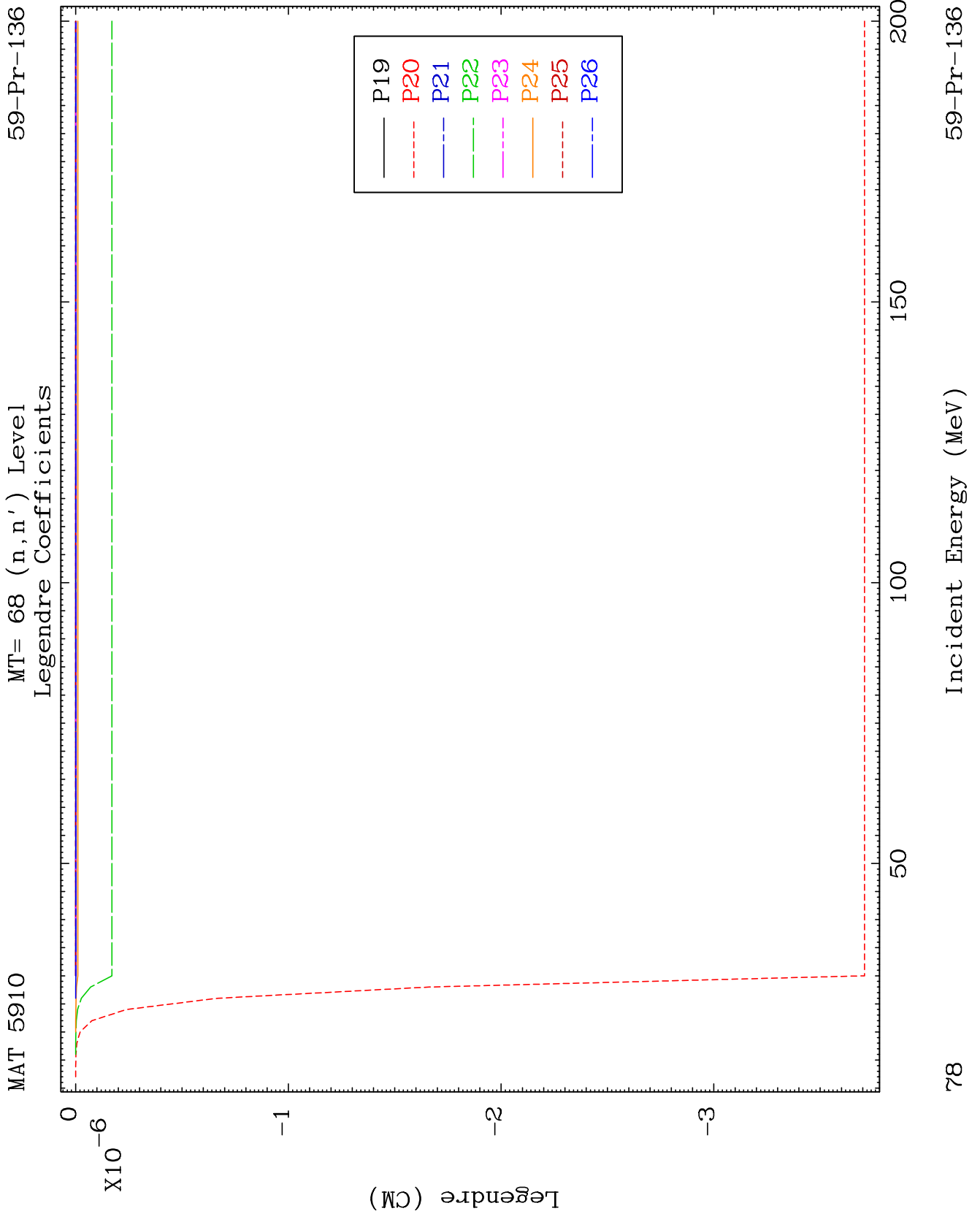


76

Incident Energy (MeV)

59-Pr-136

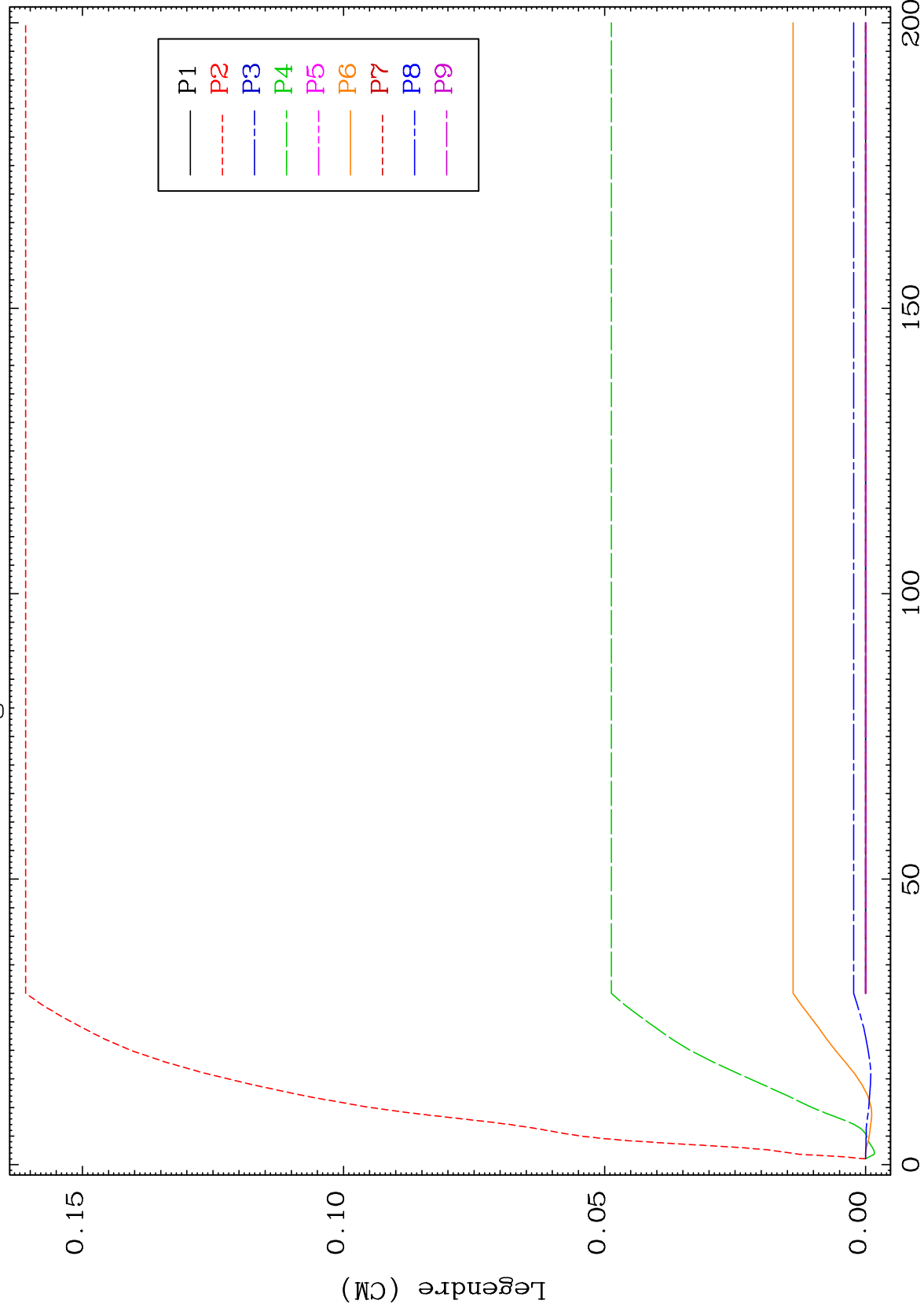




MAT 5910

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

59-Pr-136

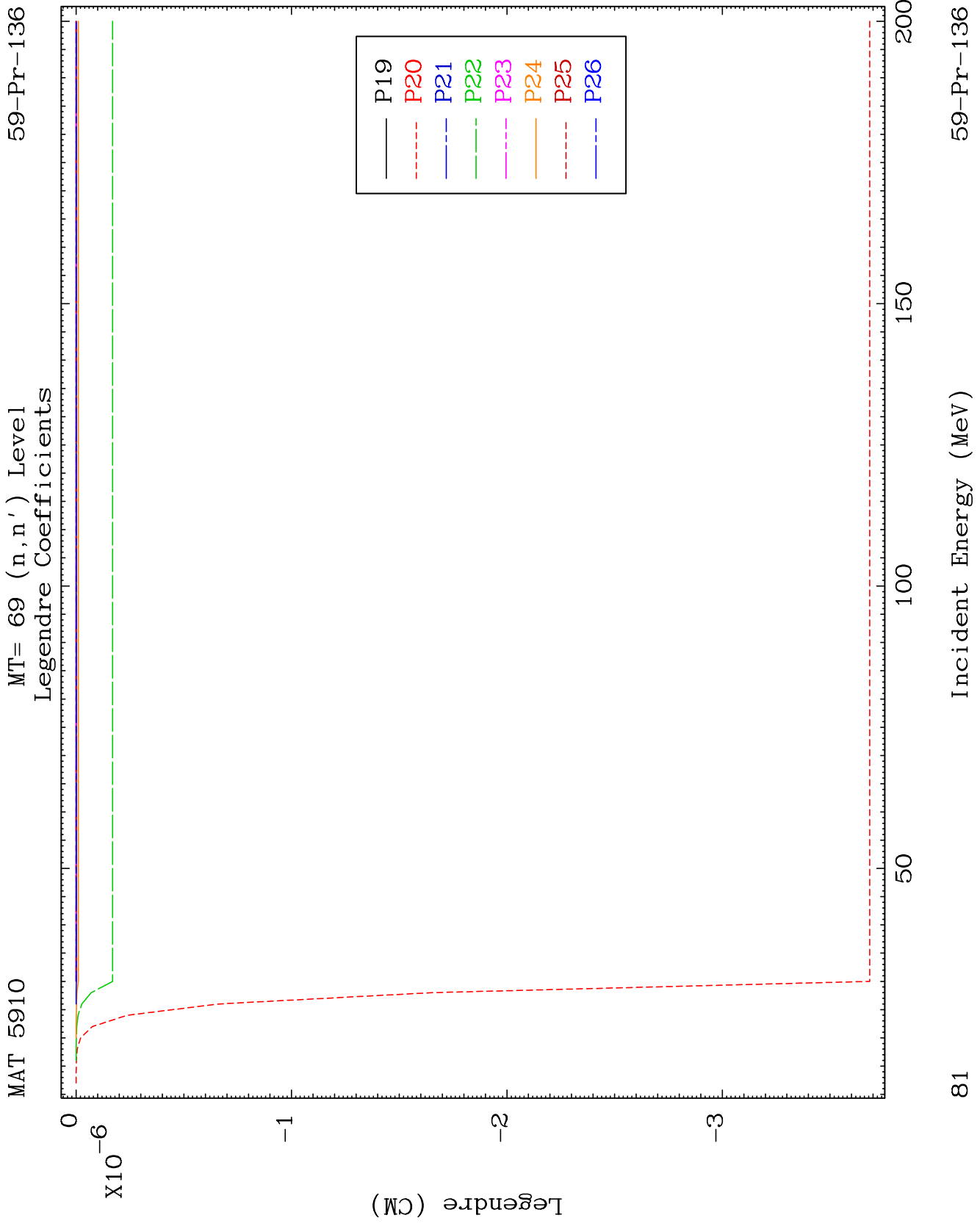


79

Incident Energy (MeV)

59-Pr-136

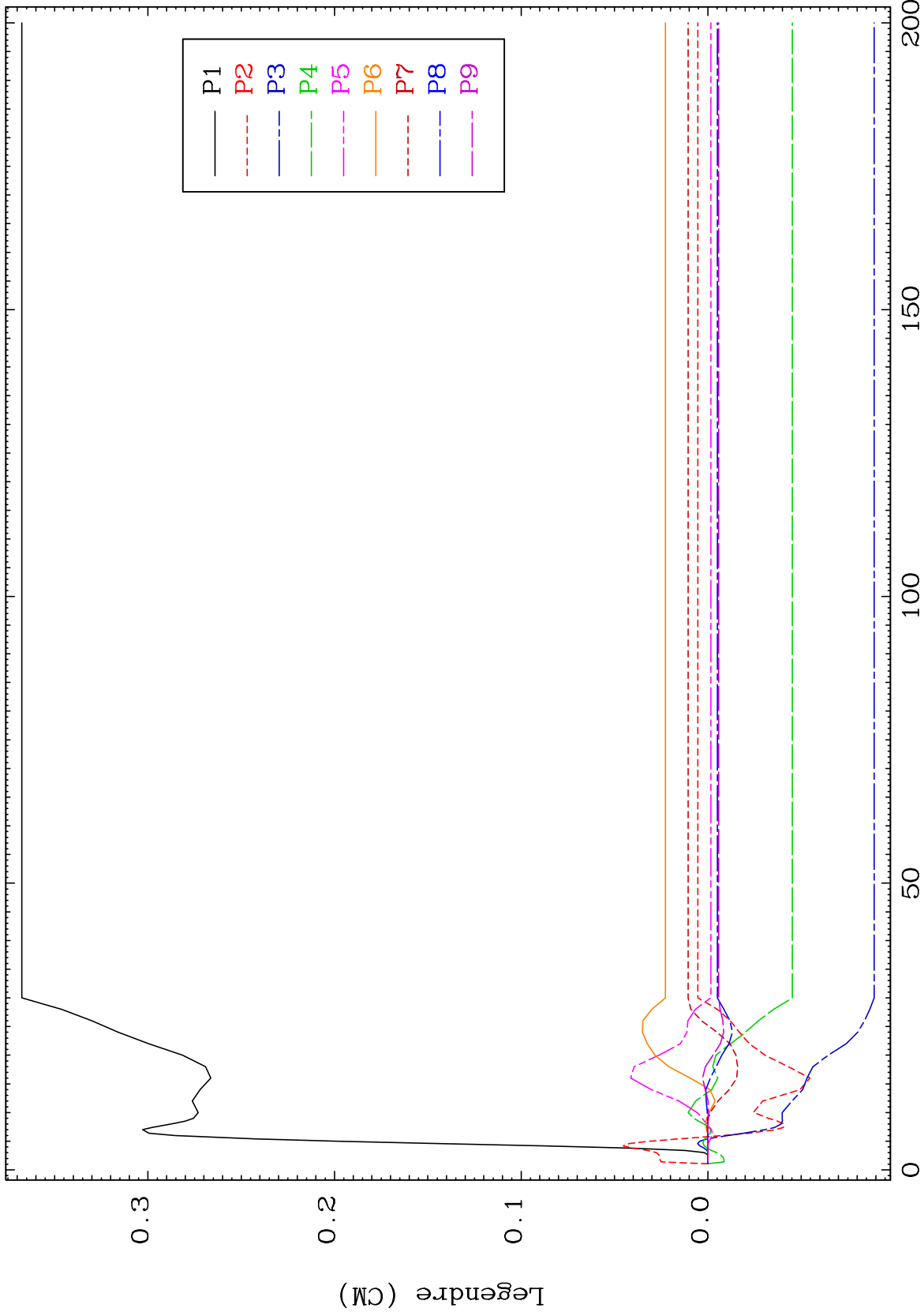




MAT 5910

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

59-Pr-136



82

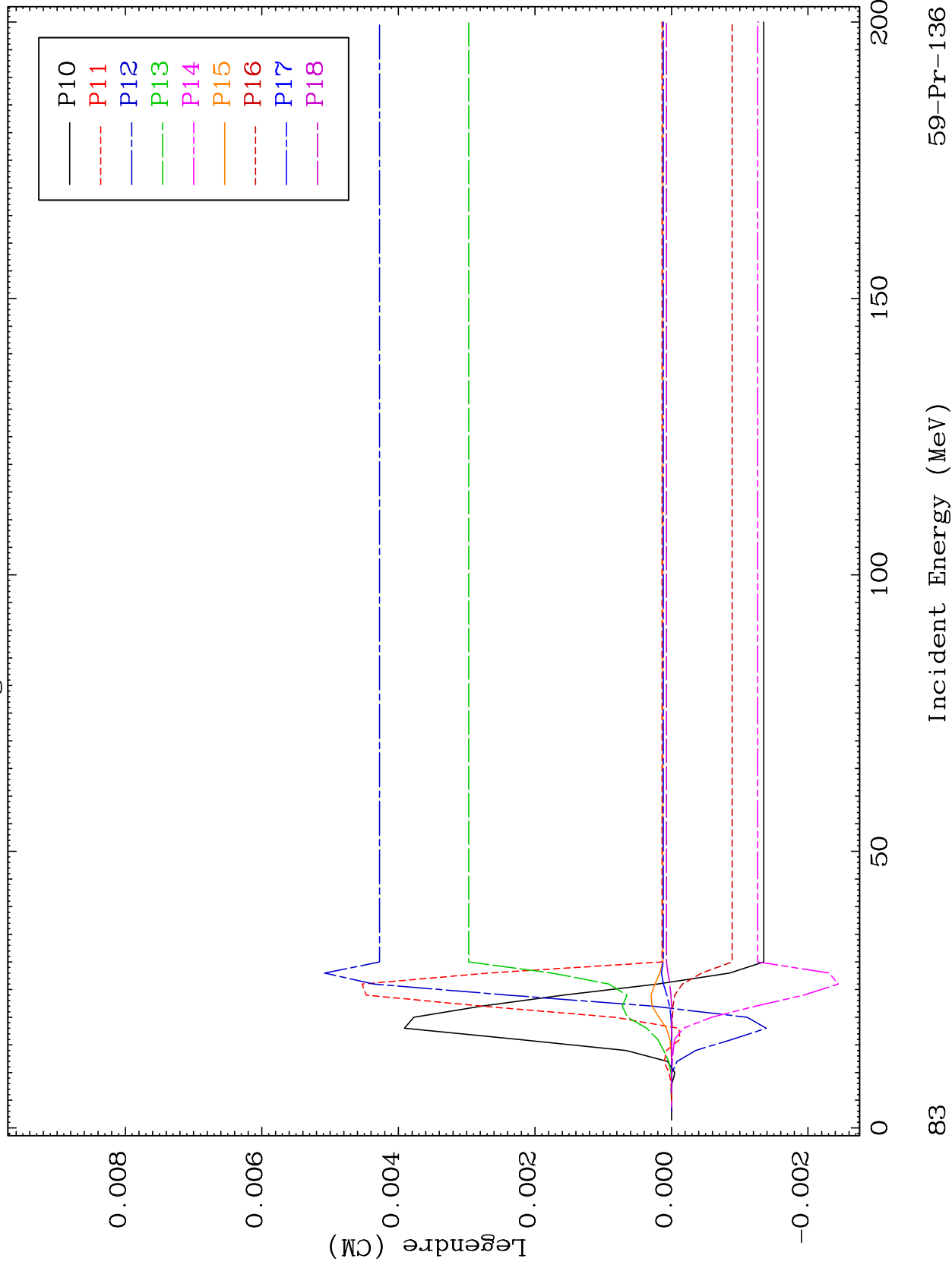
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

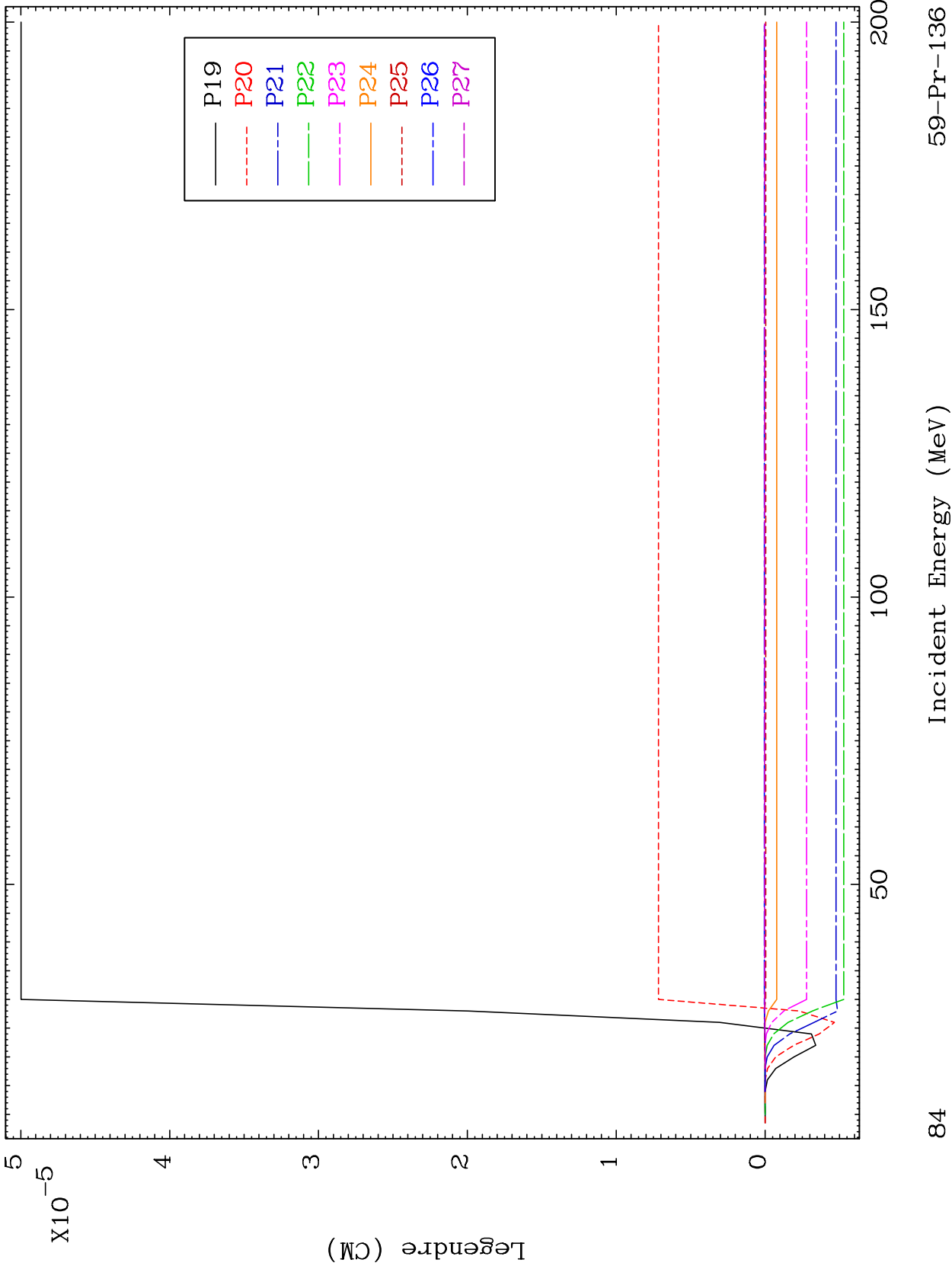
59-Pr-136

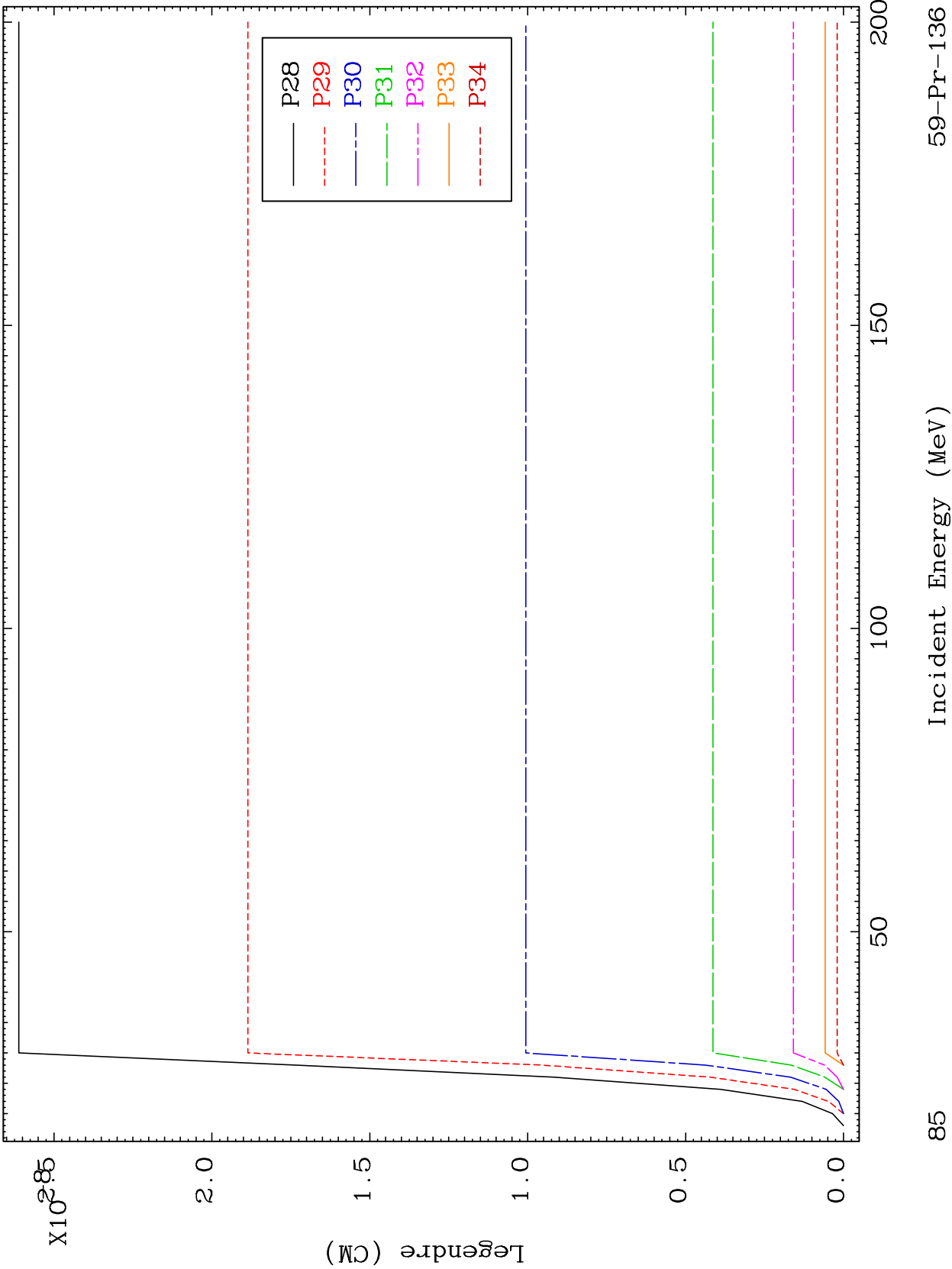


83

Incident Energy (MeV)

59-Pr-136

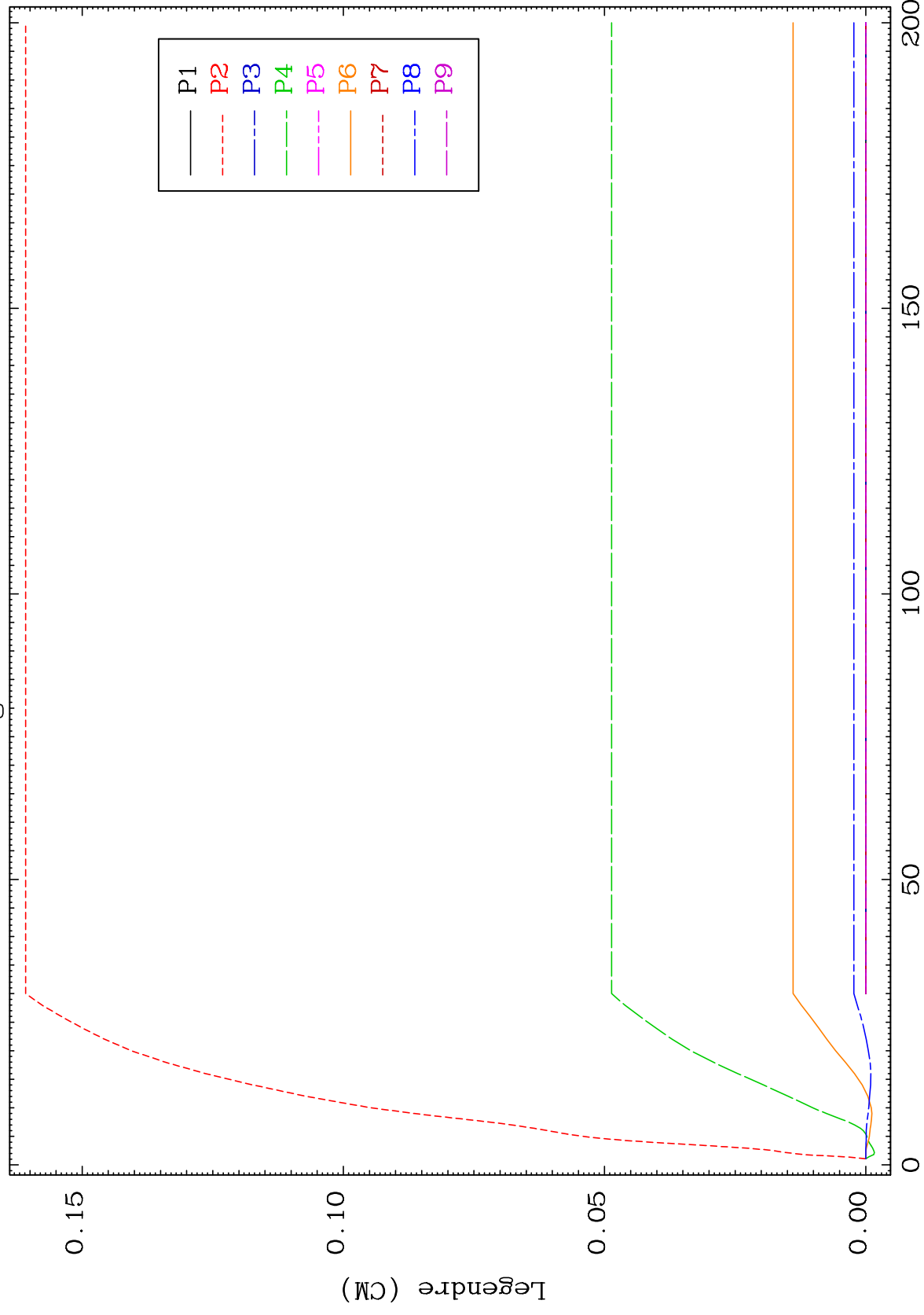




MAT 5910

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

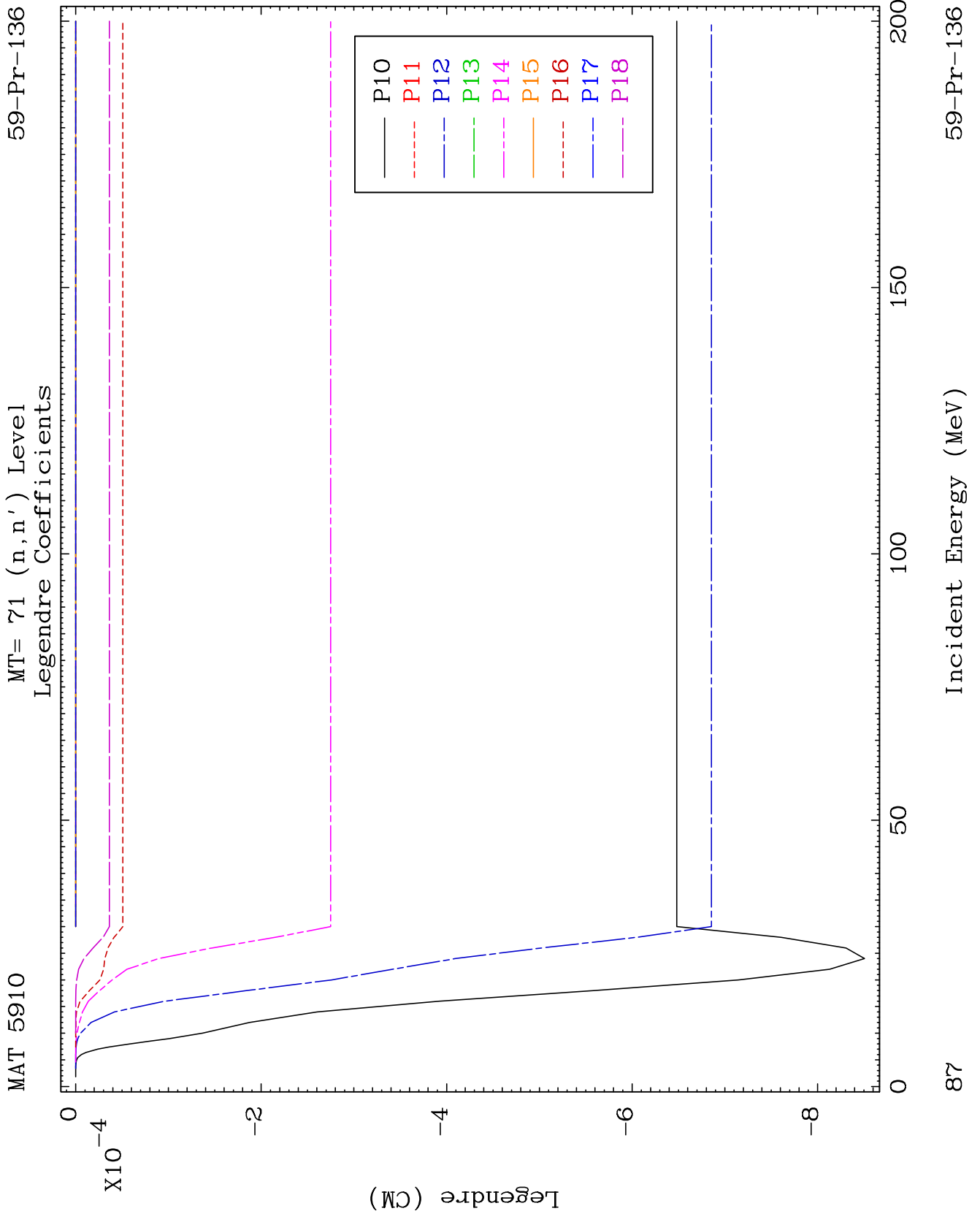
59-Pr-136

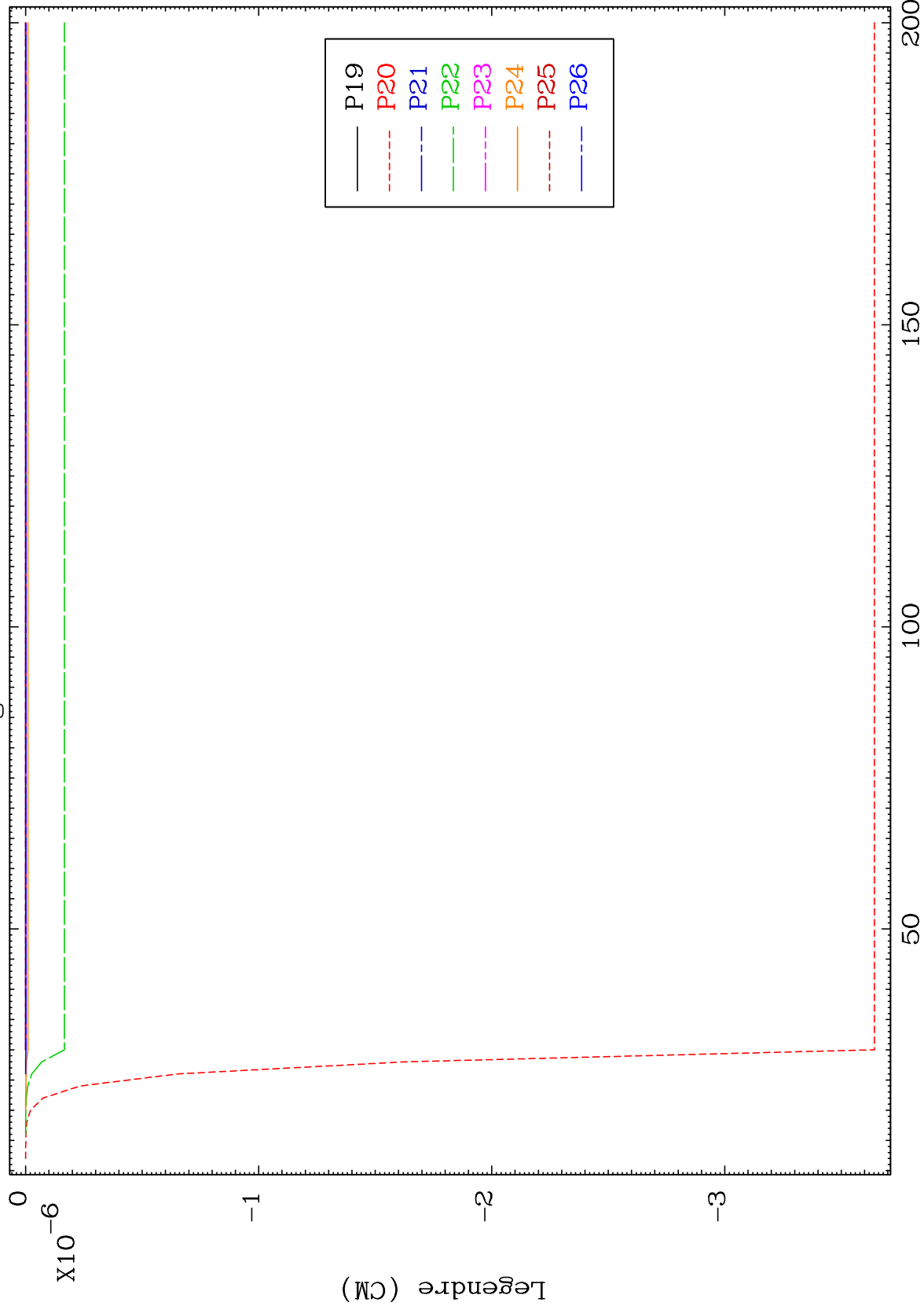


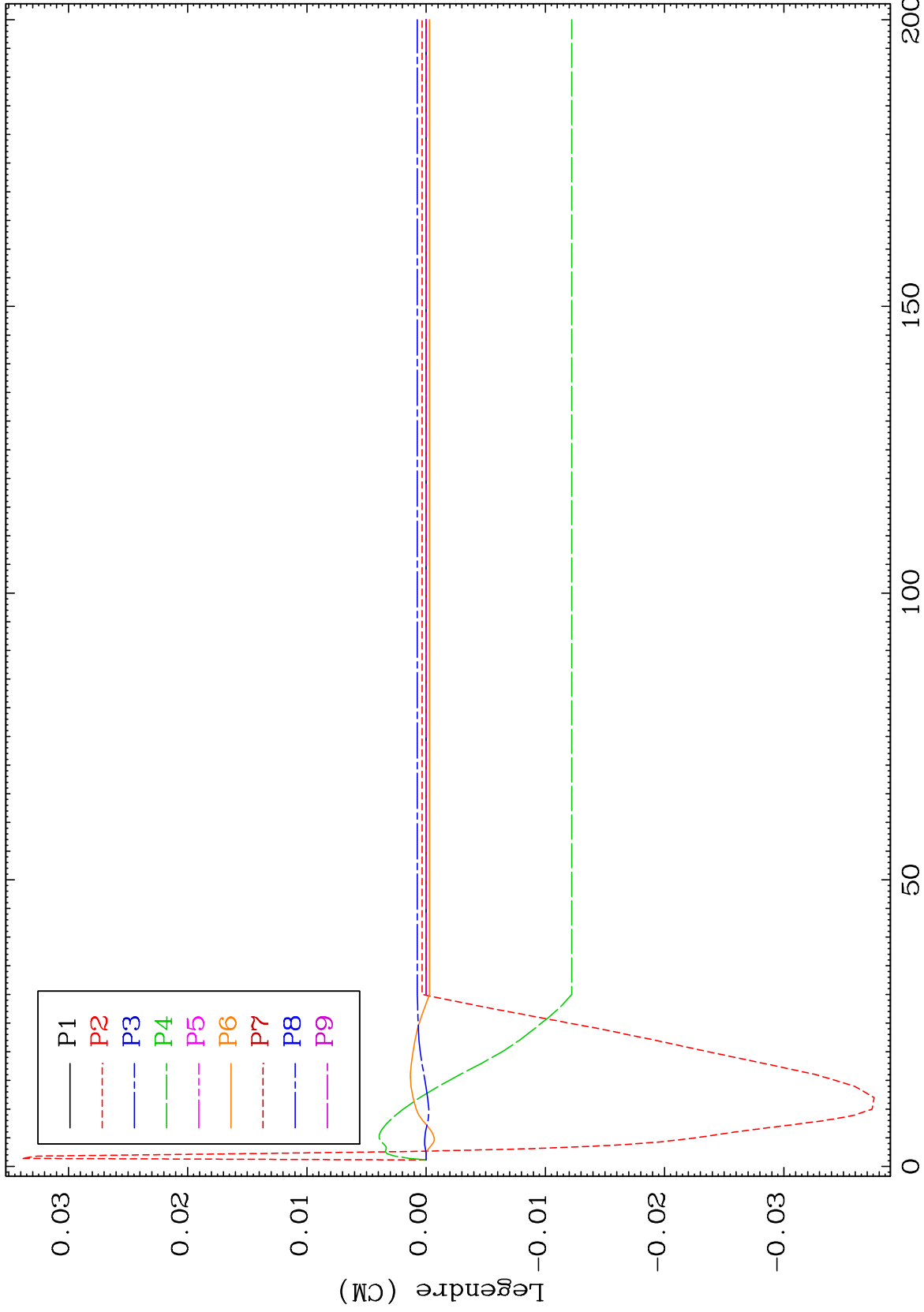
86

Incident Energy (MeV)

59-Pr-136



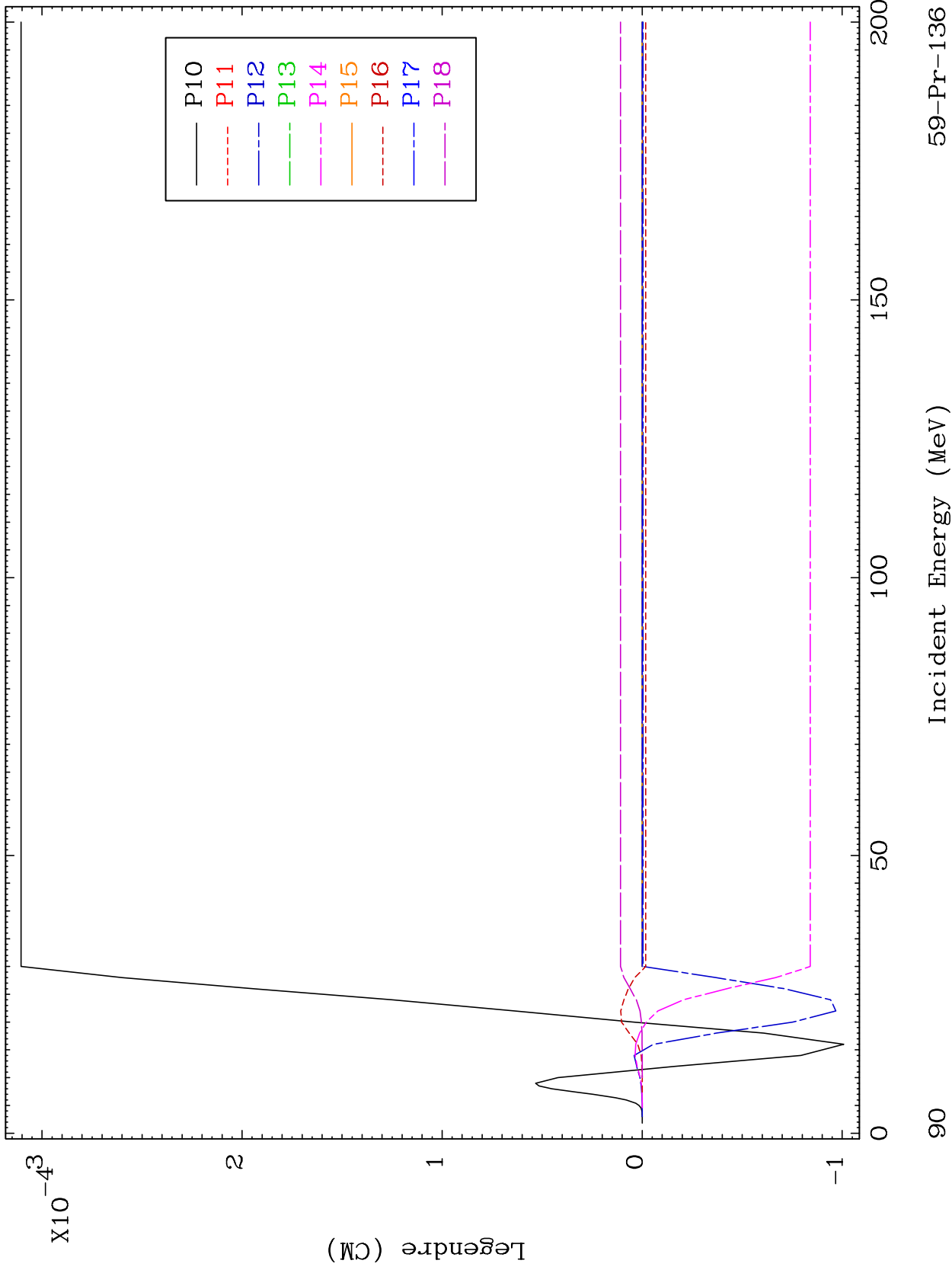




MAT 5910

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

59-Pr-136



59-Pr-136

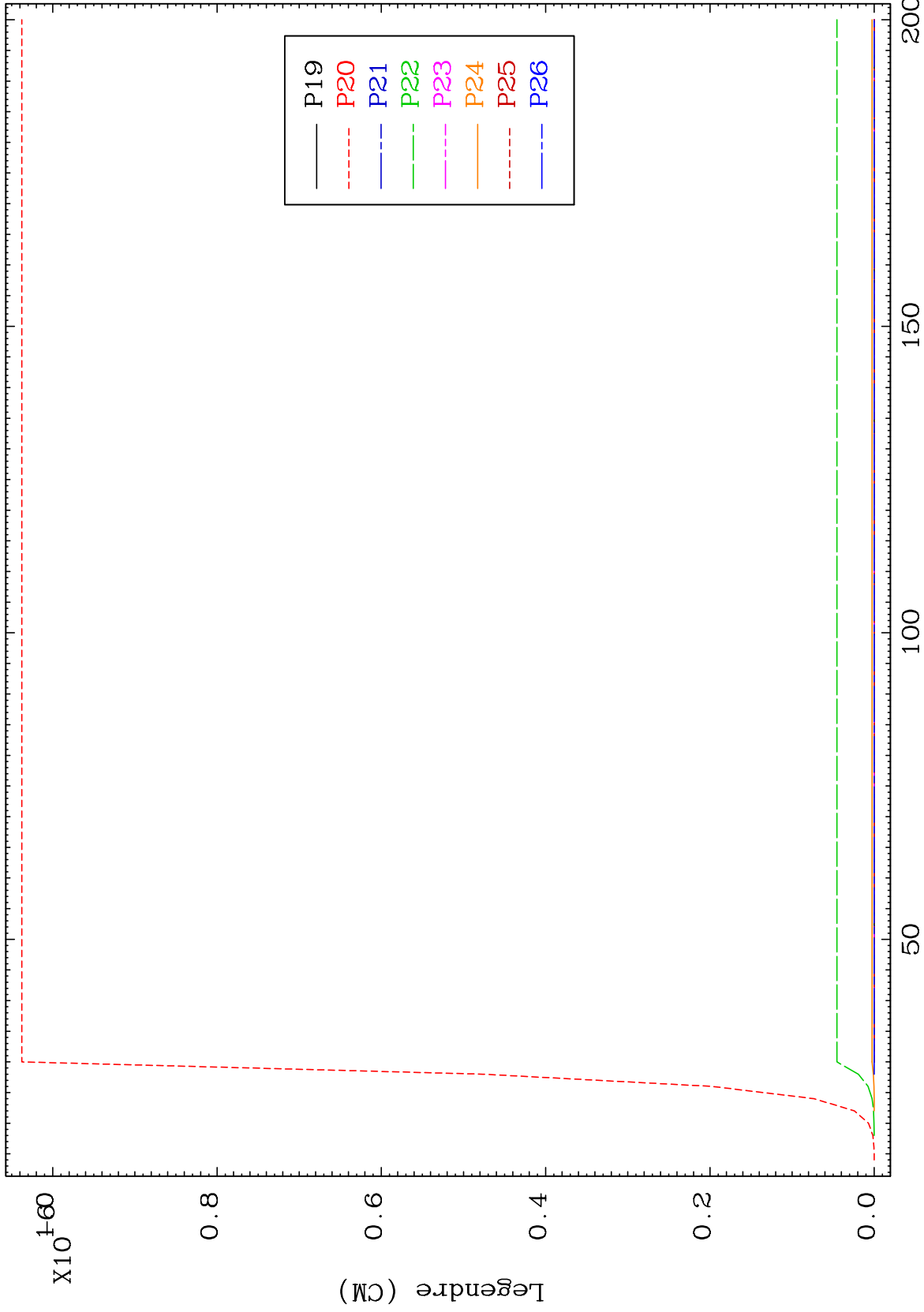
Incident Energy (MeV)

90

MAT 5910

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

59-Pr-136



91

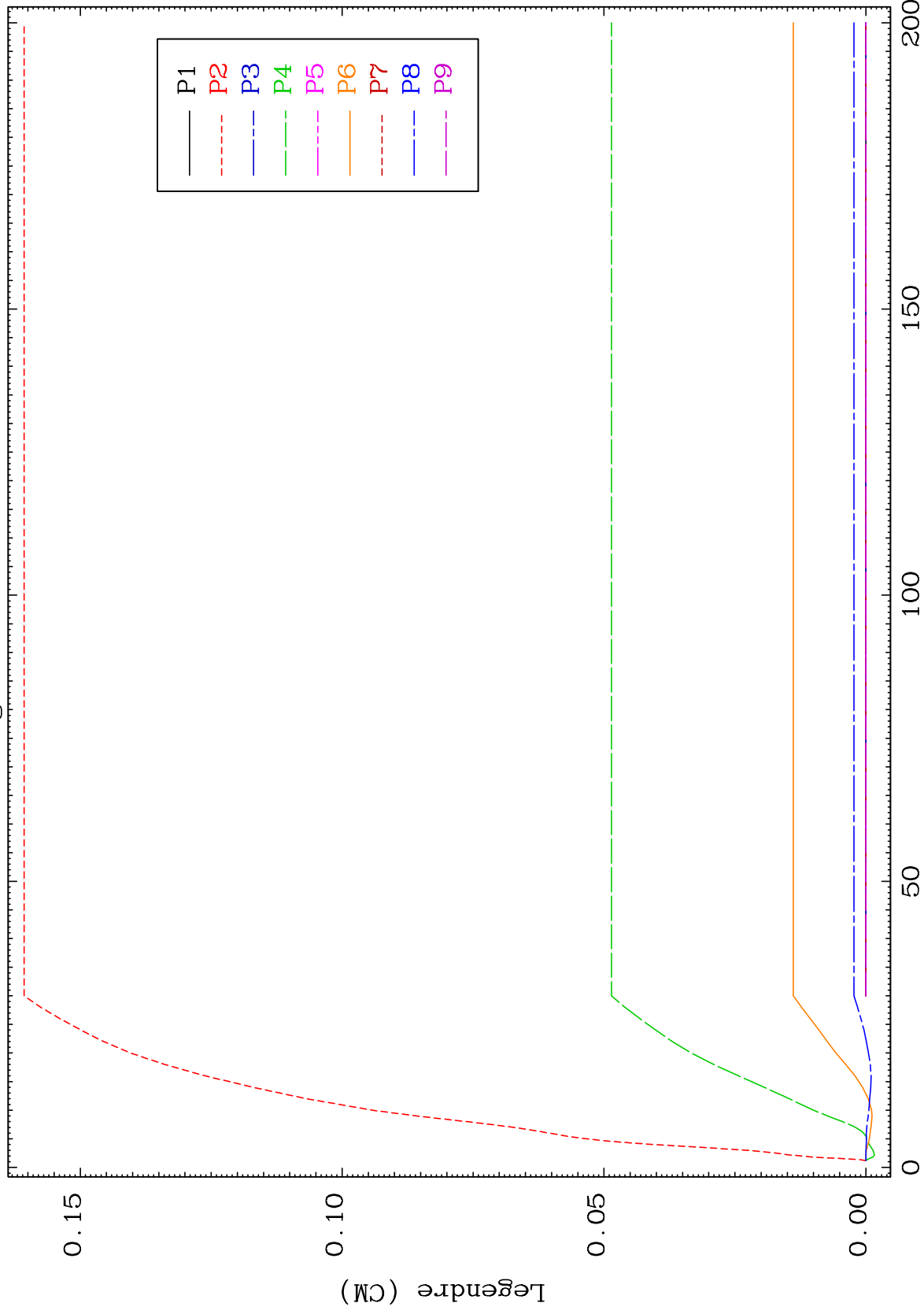
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

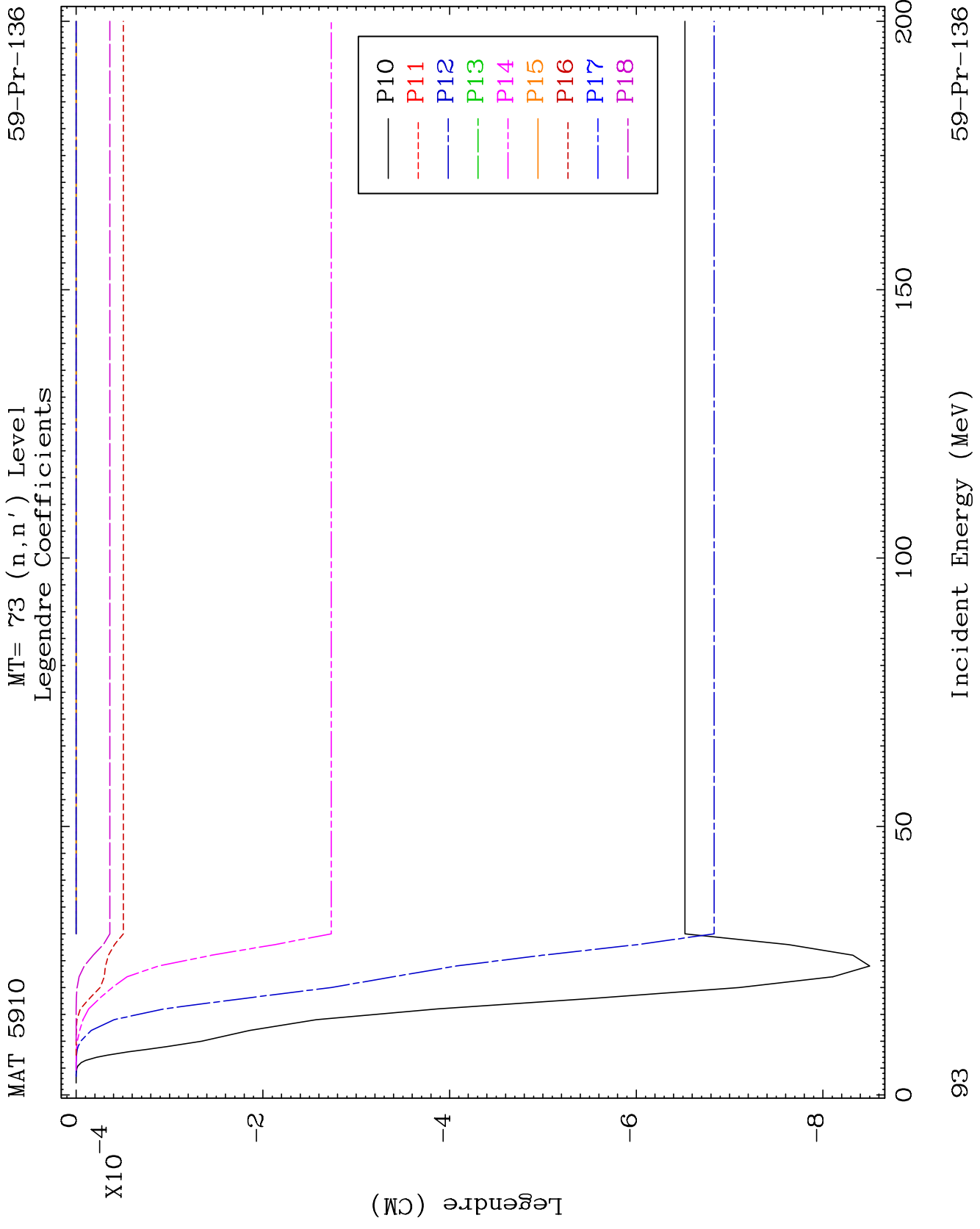
59-Pr-136



92

Incident Energy (MeV)

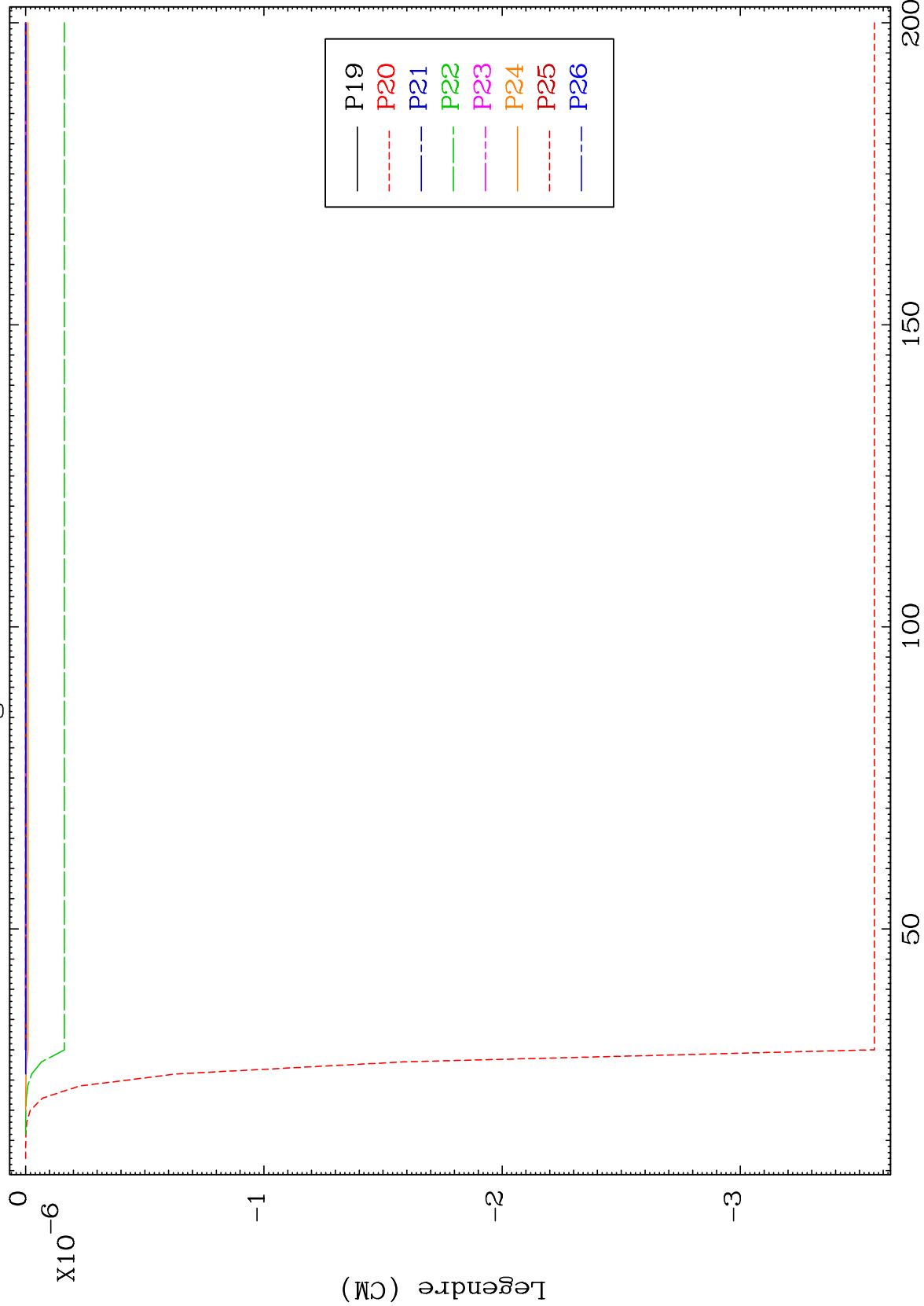
59-Pr-136



MAT 5910

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

59-Pr-136



59-Pr-136

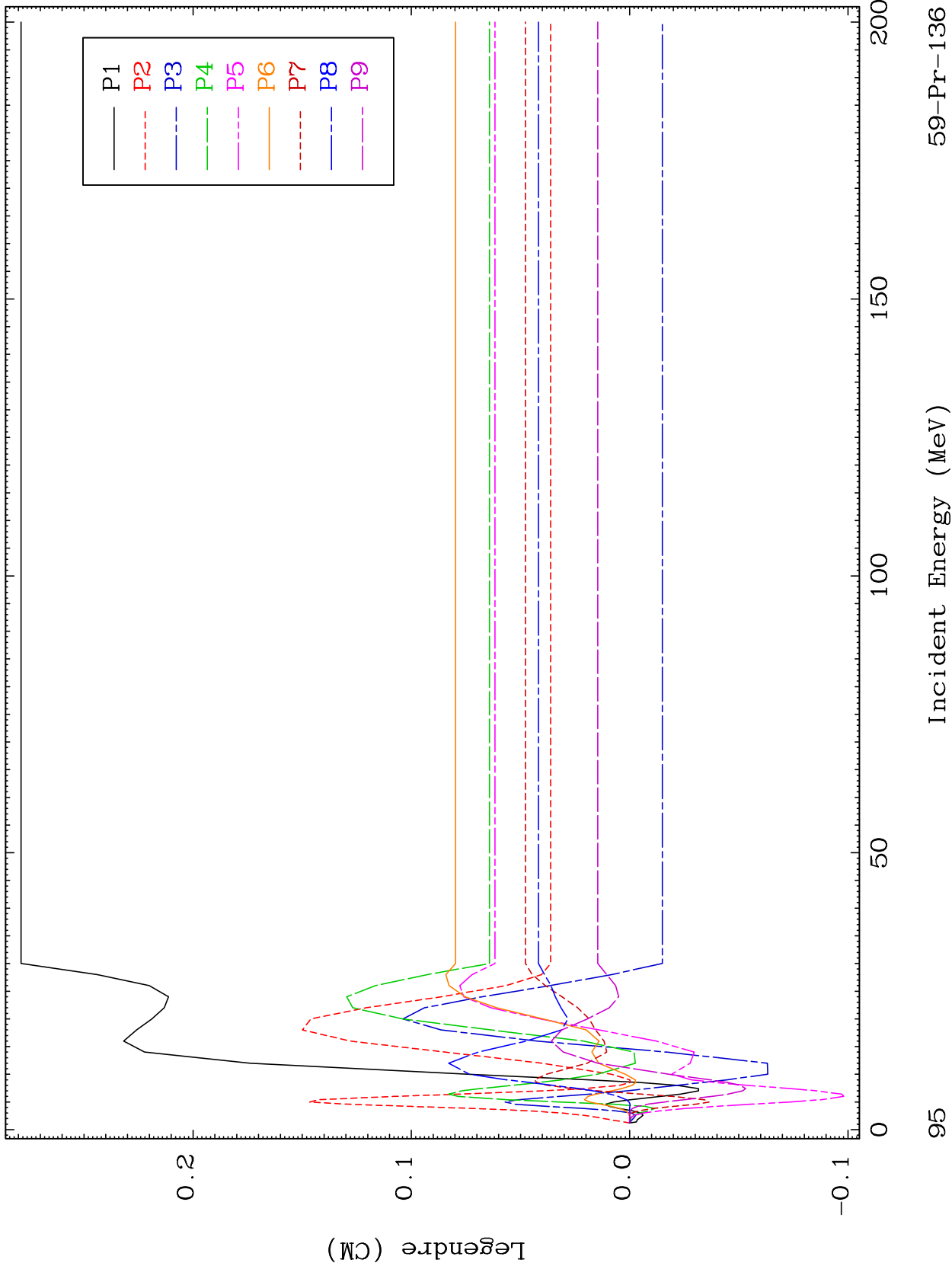
Incident Energy (MeV)

94

MAT 5910

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

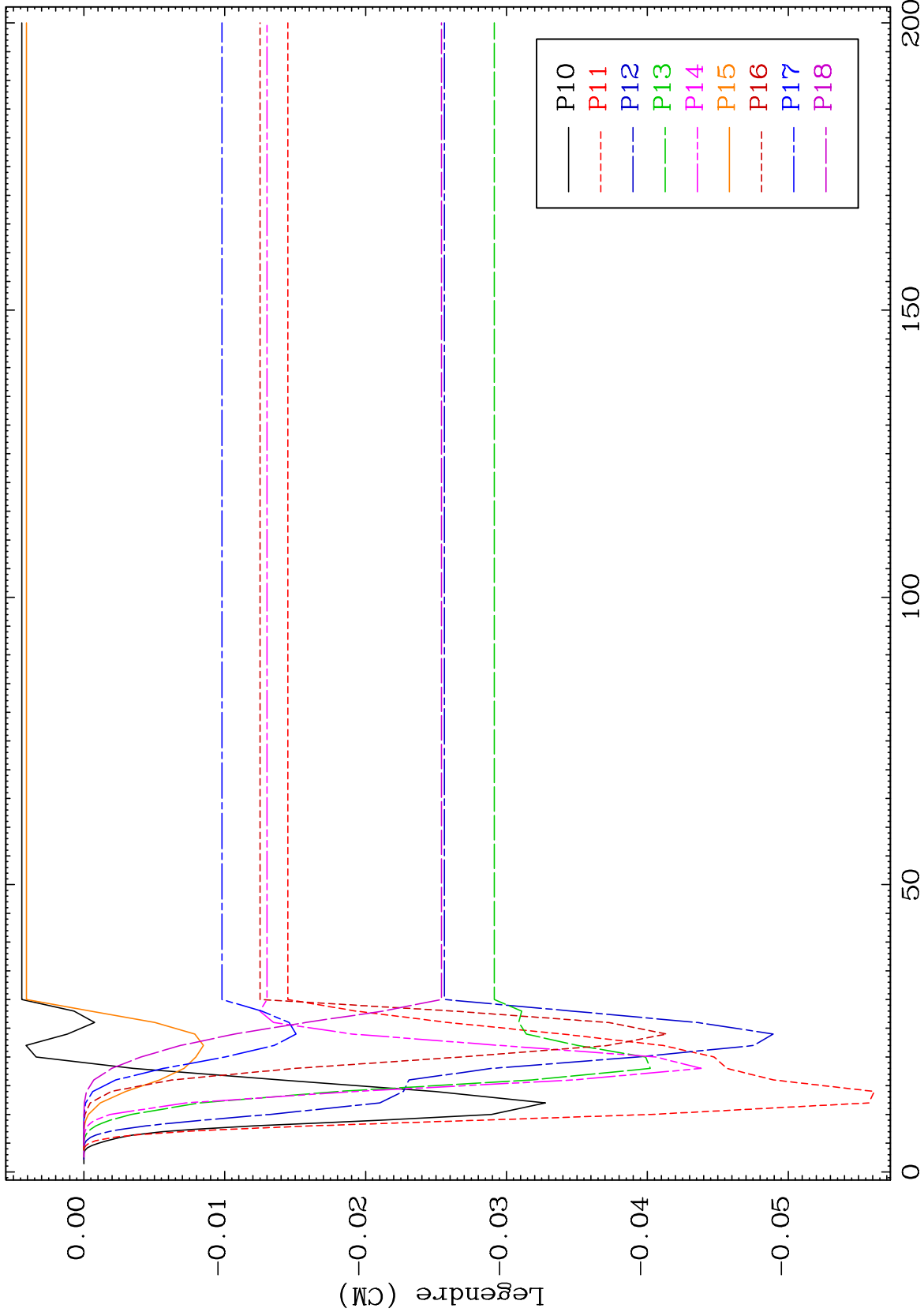
59-Pr-136



59-Pr-136

Incident Energy (MeV)

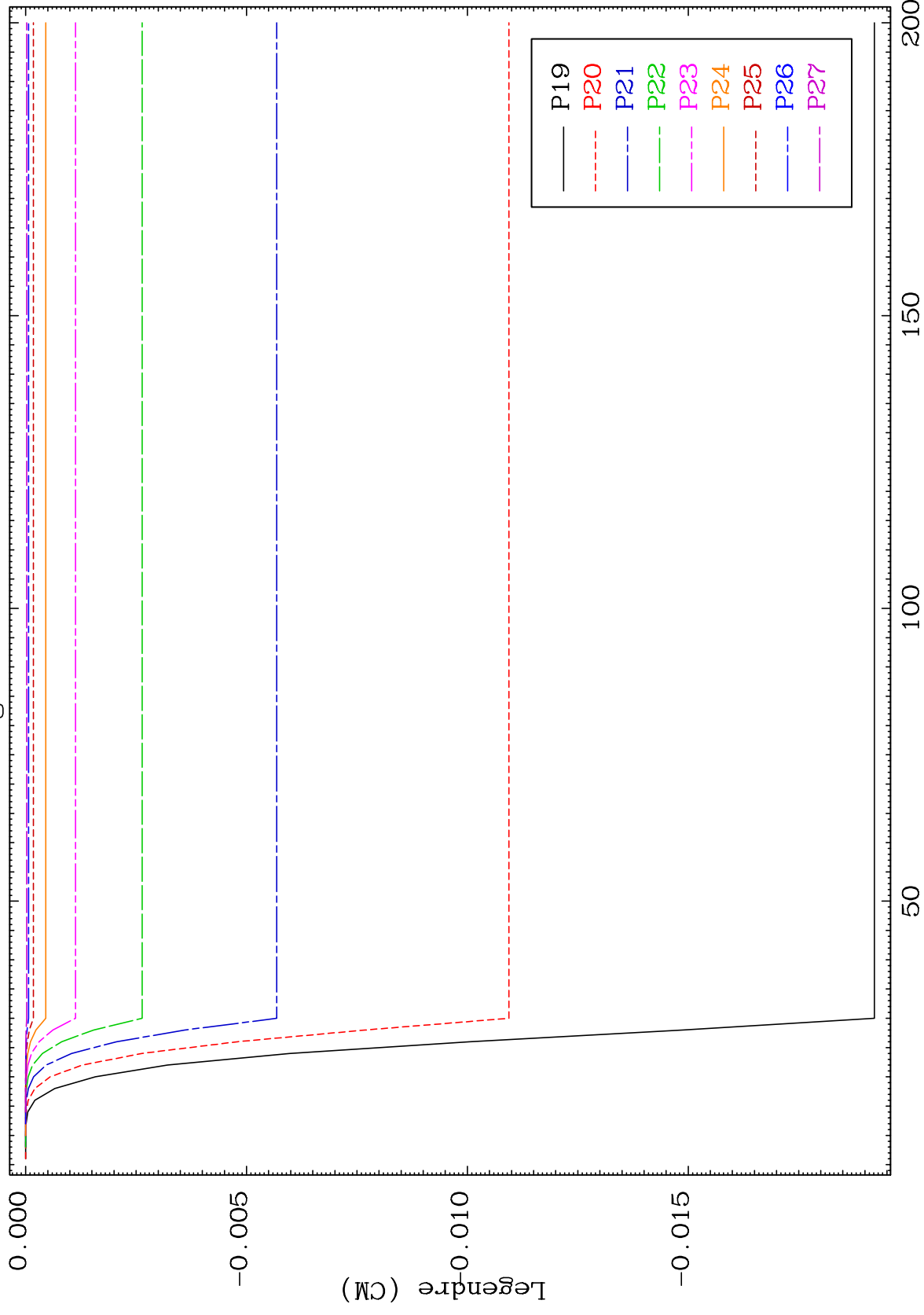
95



MAT 5910

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

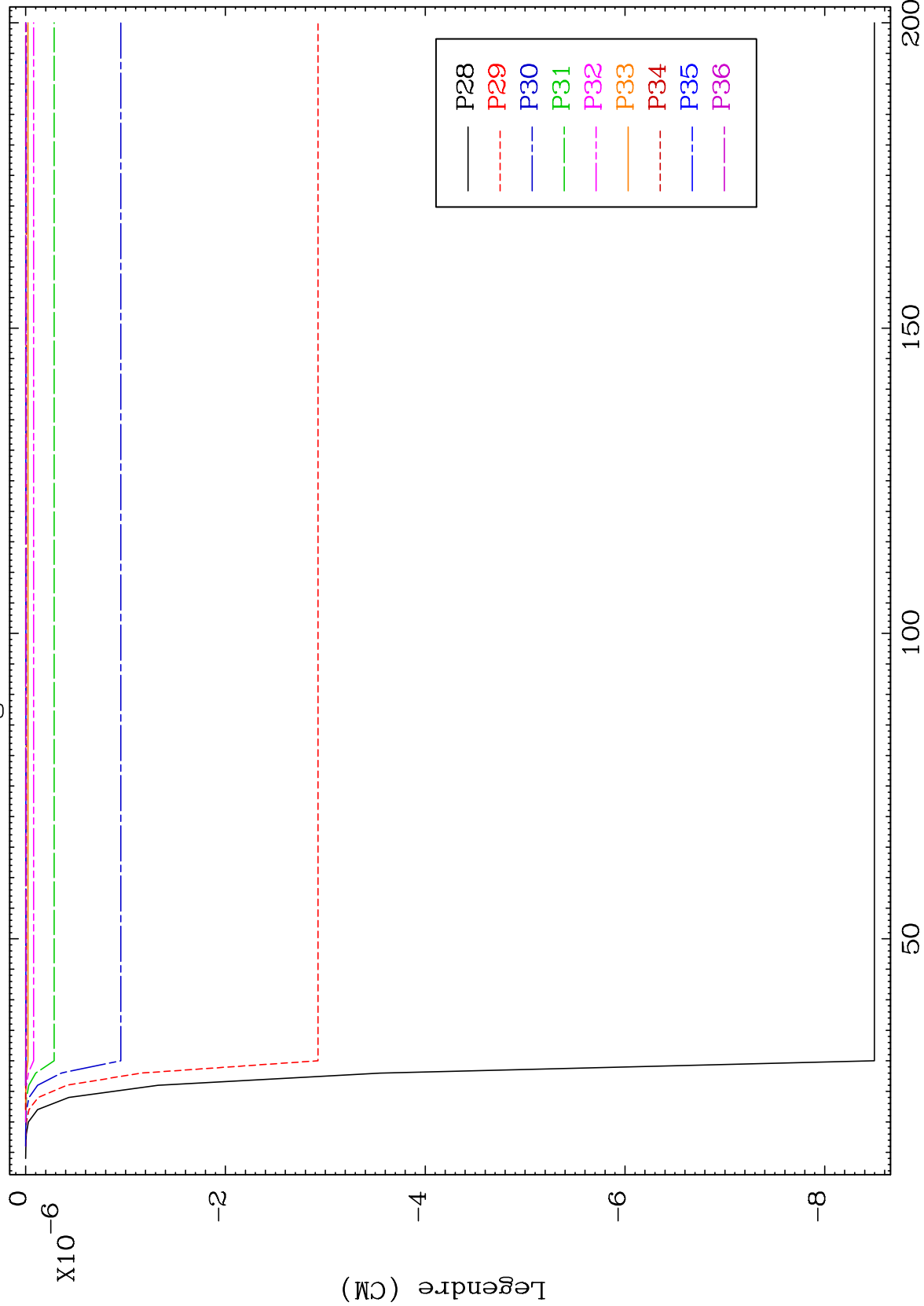
59-Pr-136



MAT 5910

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

59-Pr-136



98

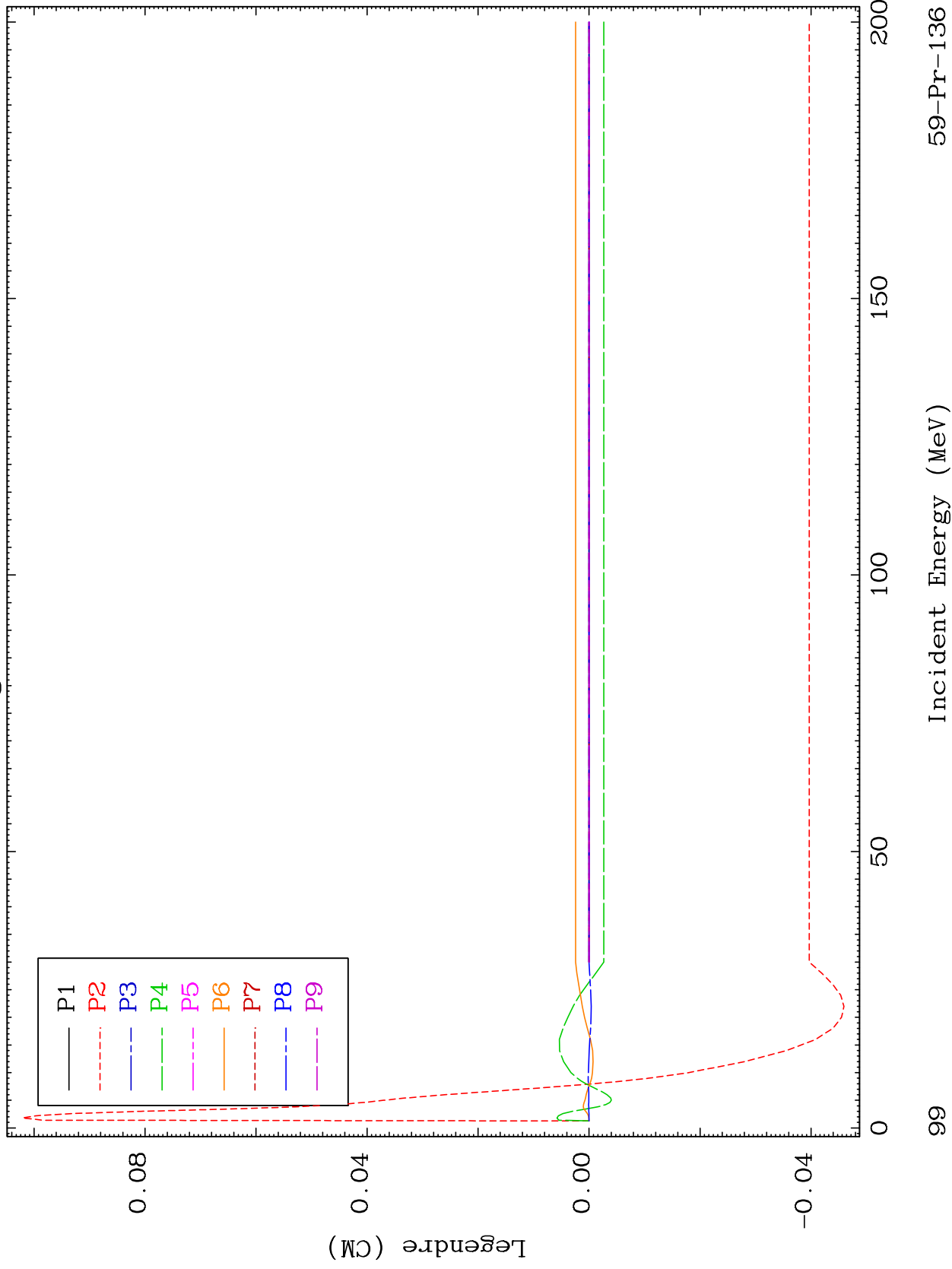
Incident Energy (MeV)

59-Pr-136

MAT 5910

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

59-Pr-136



59-Pr-136

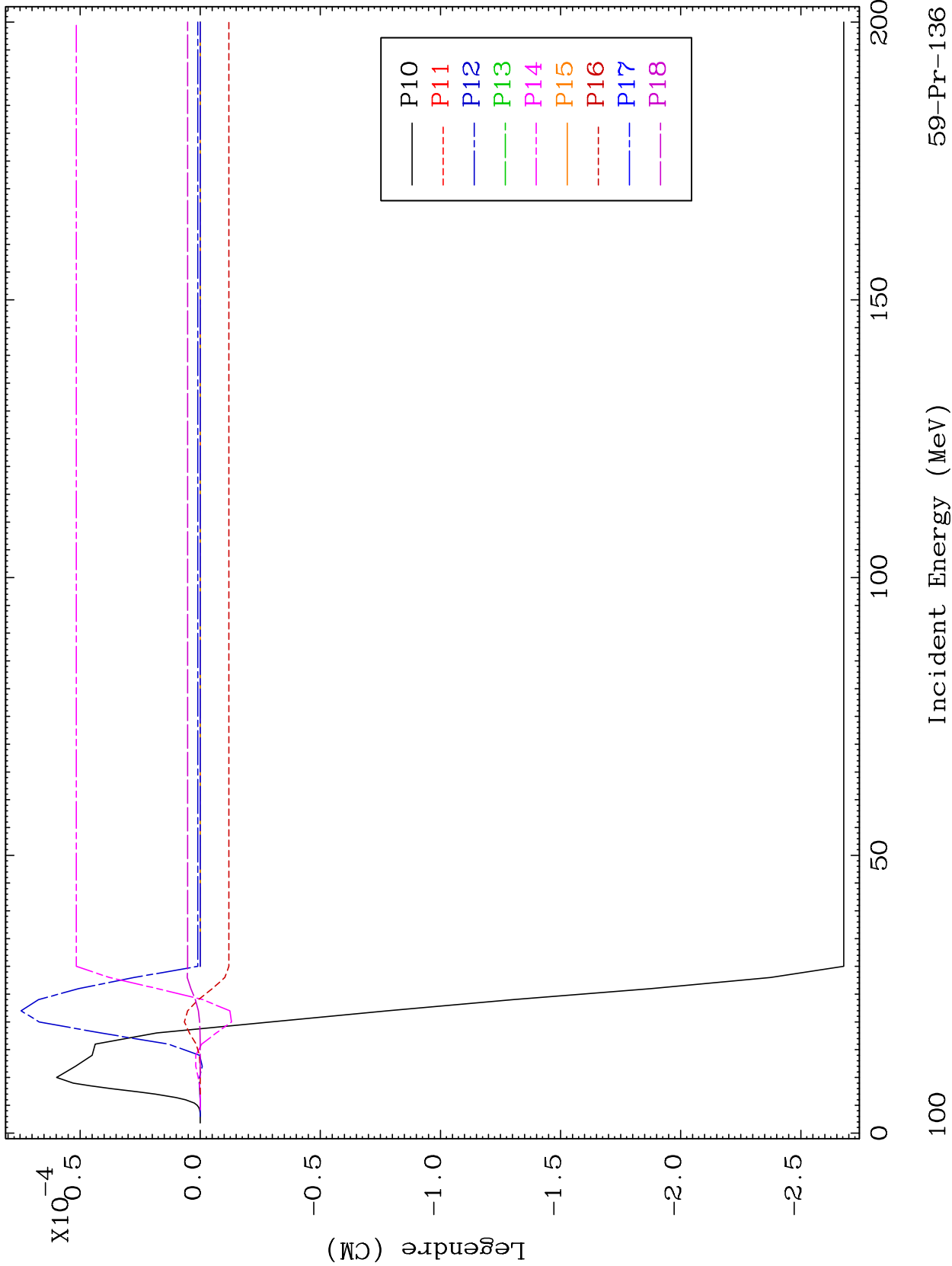
Incident Energy (MeV)

99

MAT 5910

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

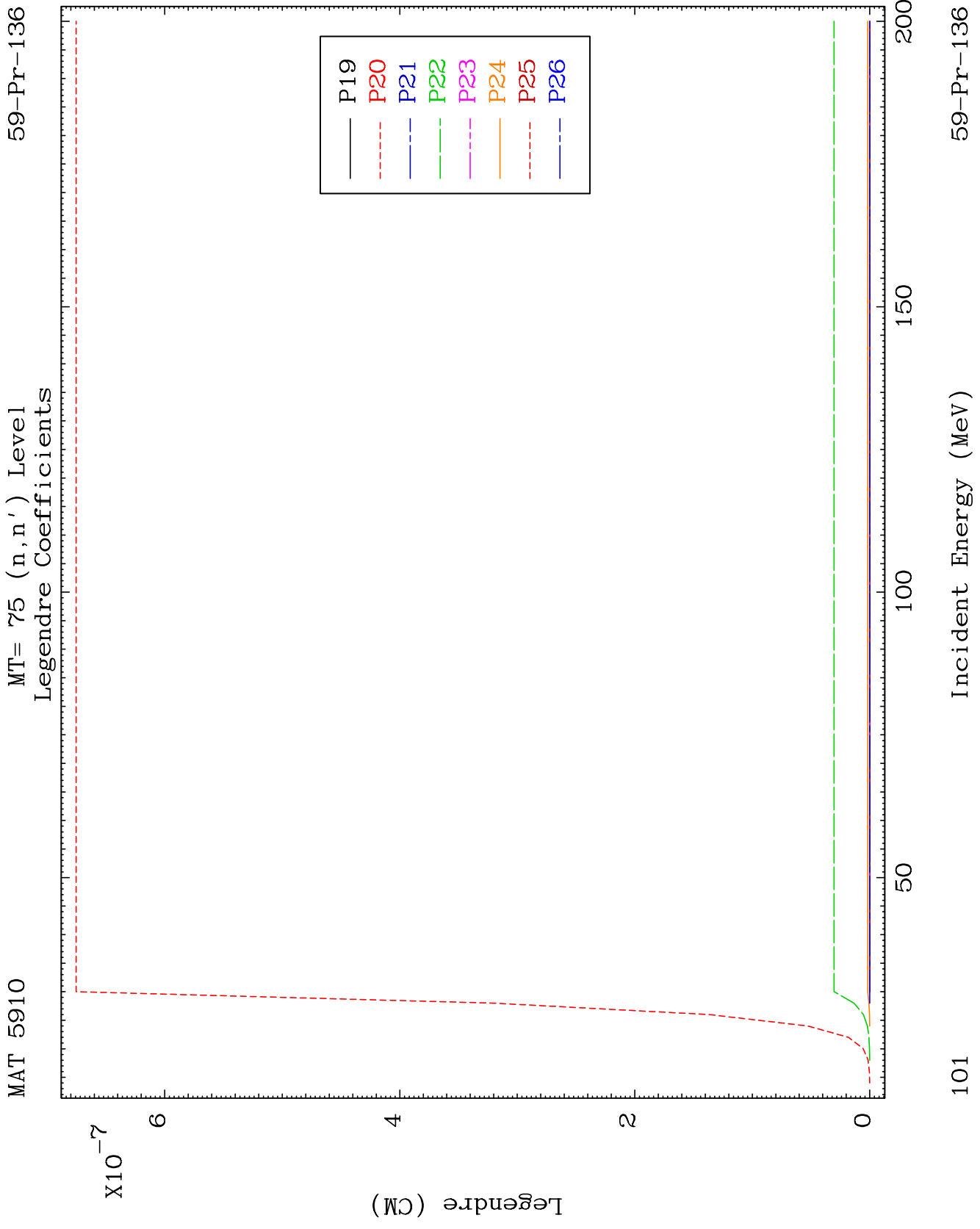
59-Pr-136

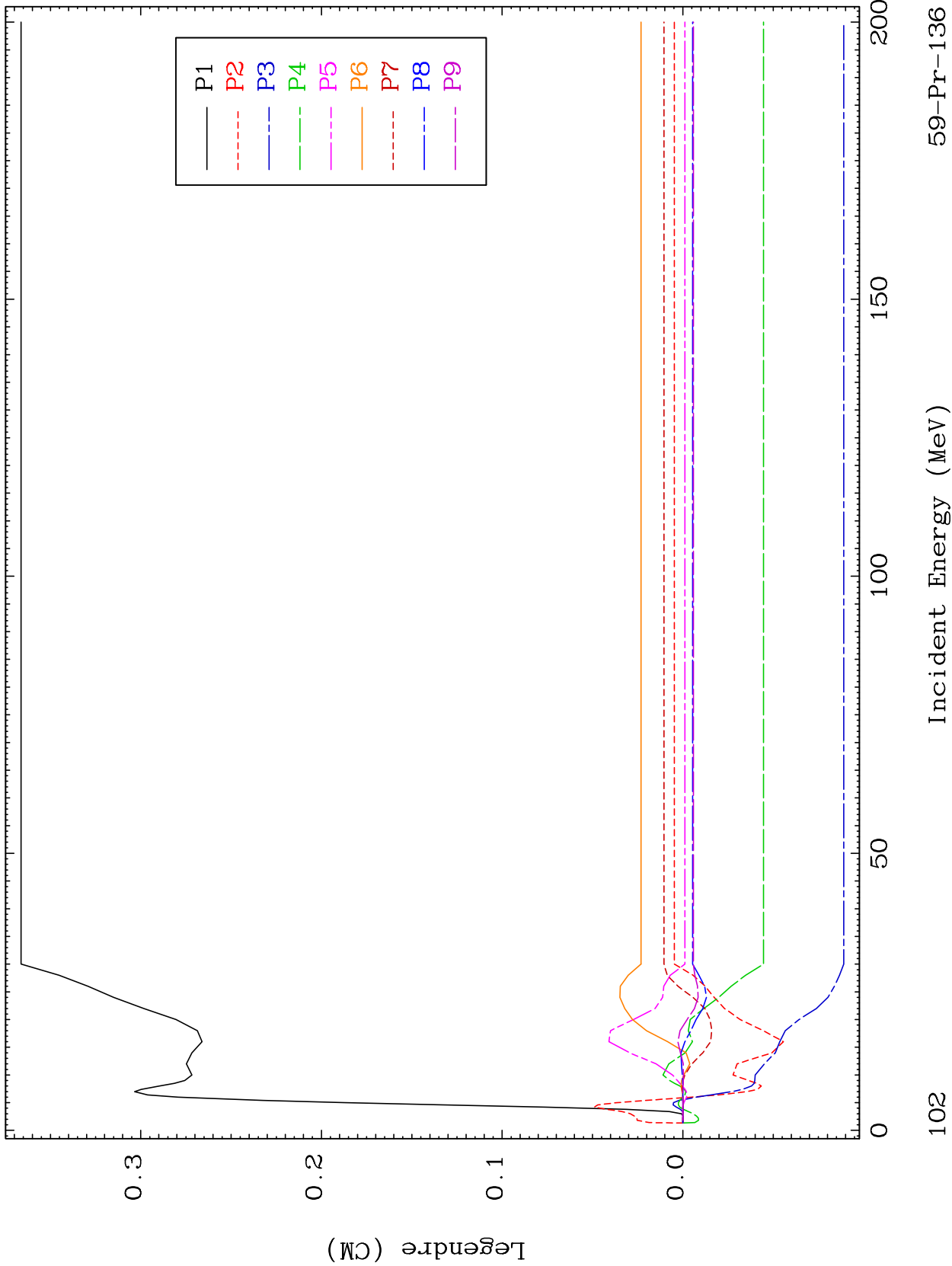


59-Pr-136

Incident Energy (MeV)

100

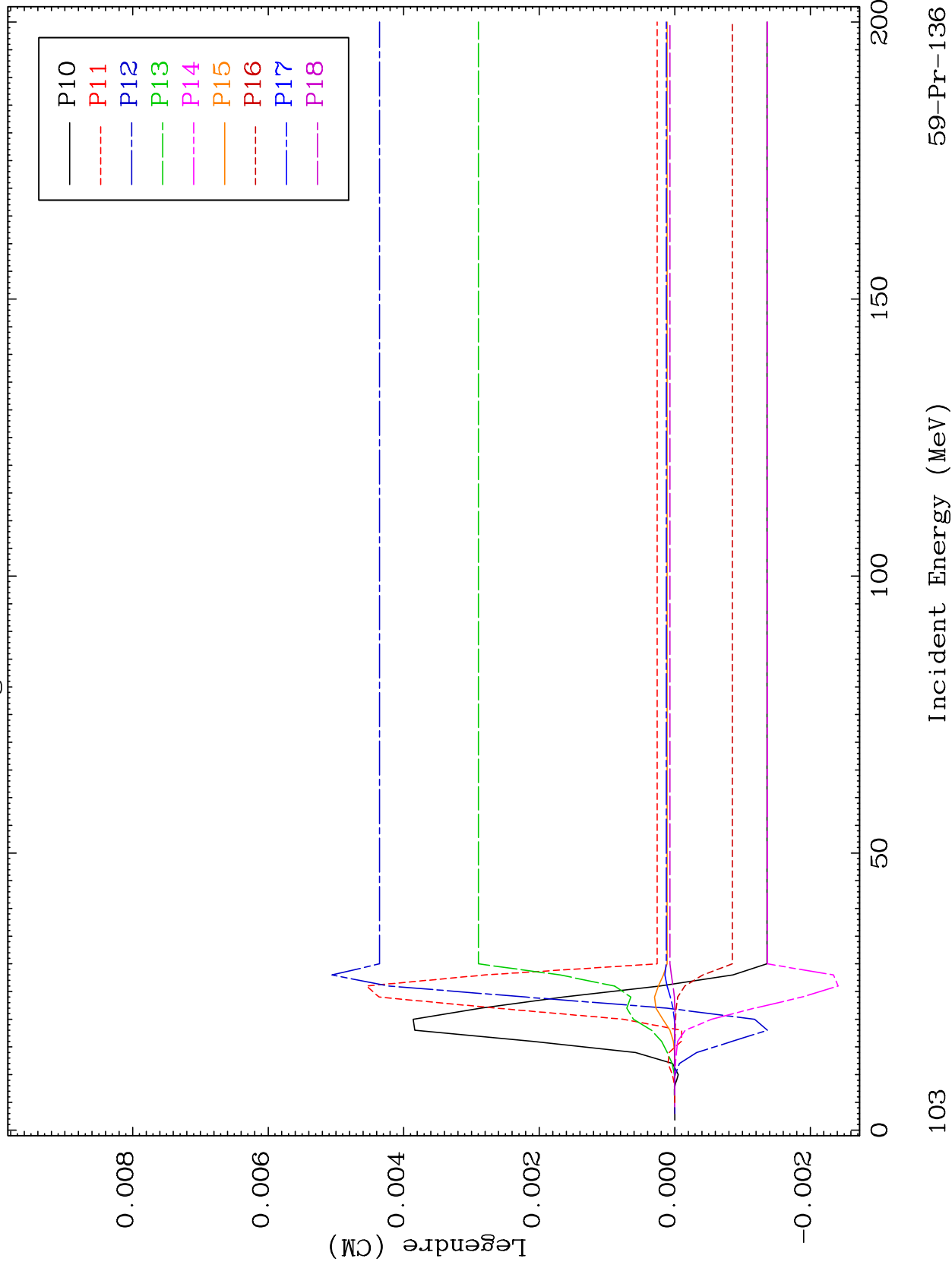




MAT 5910

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

59-Pr-136



59-Pr-136

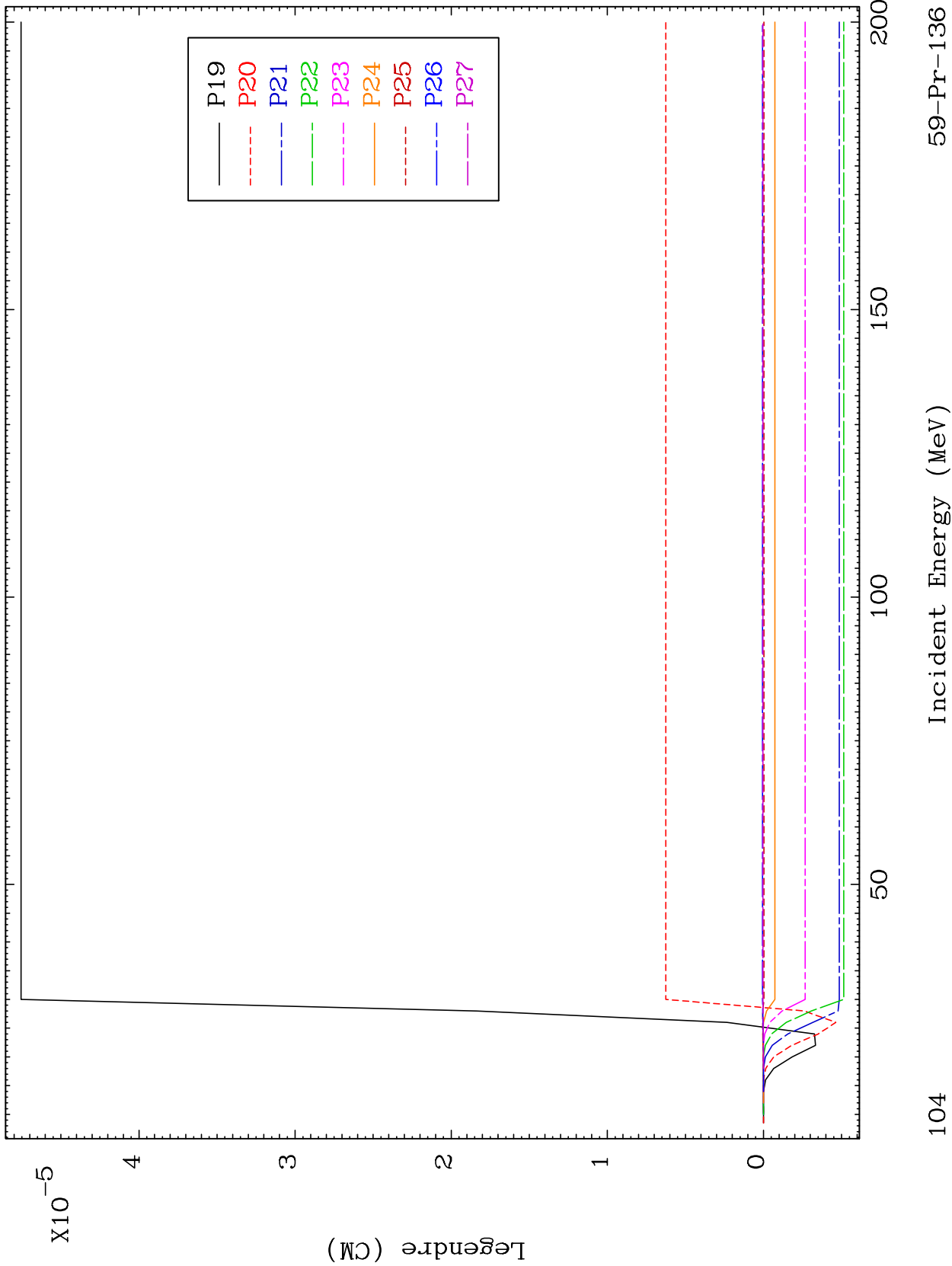
Incident Energy (MeV)

103

MAT 5910

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

59-Pr-136



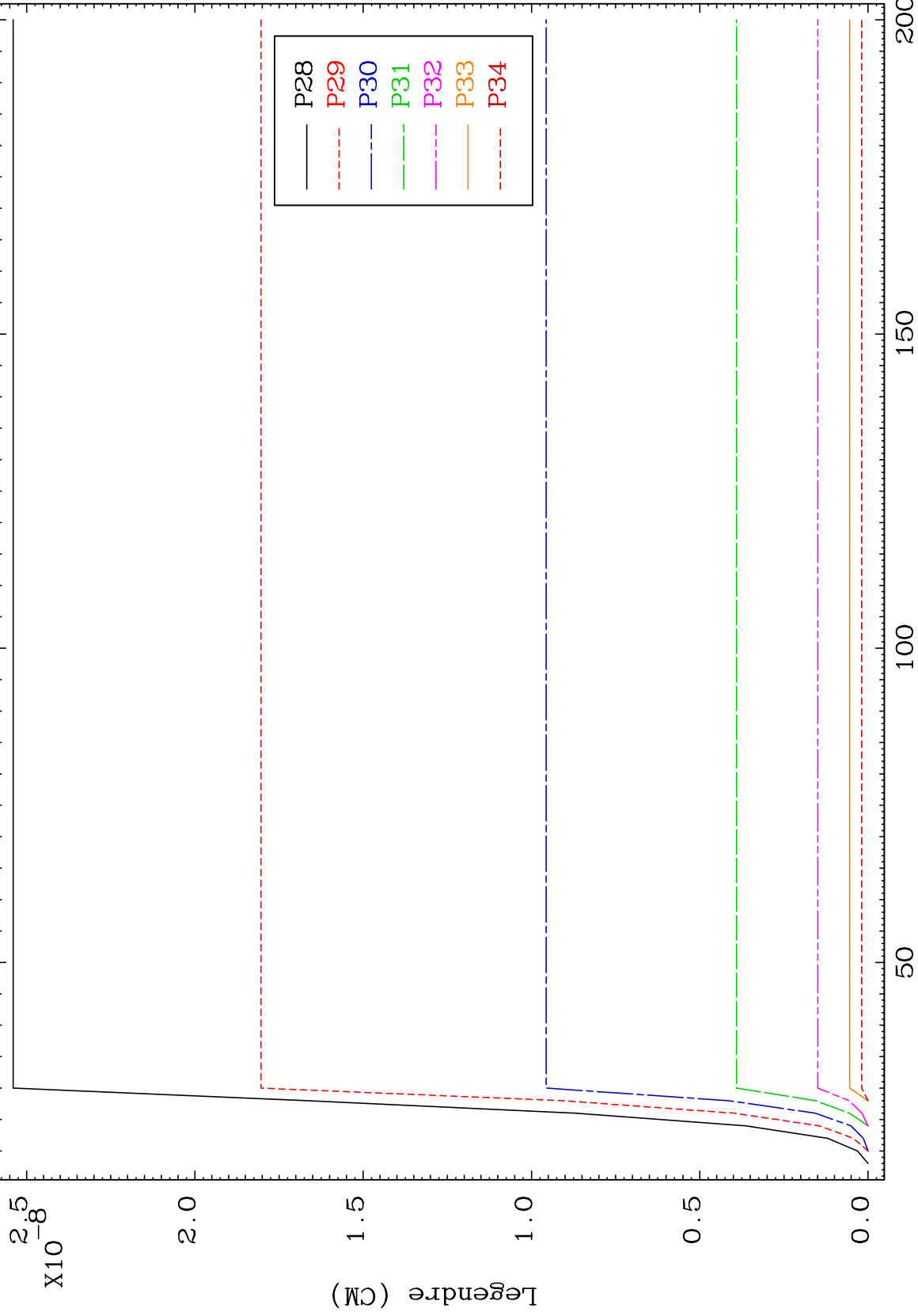
104

59-Pr-136

MAT 5910

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

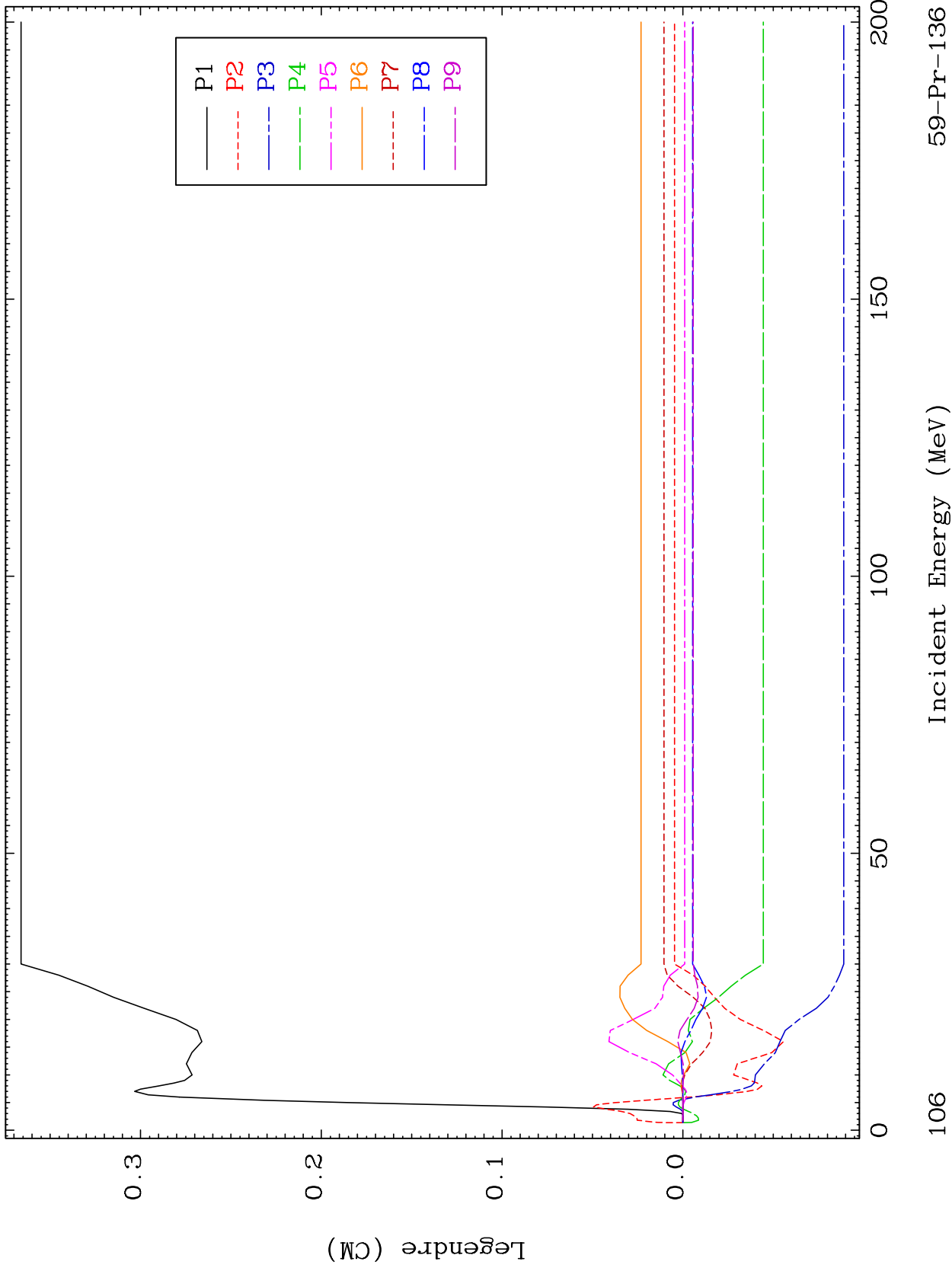
59-Pr-136



105

Incident Energy (MeV)

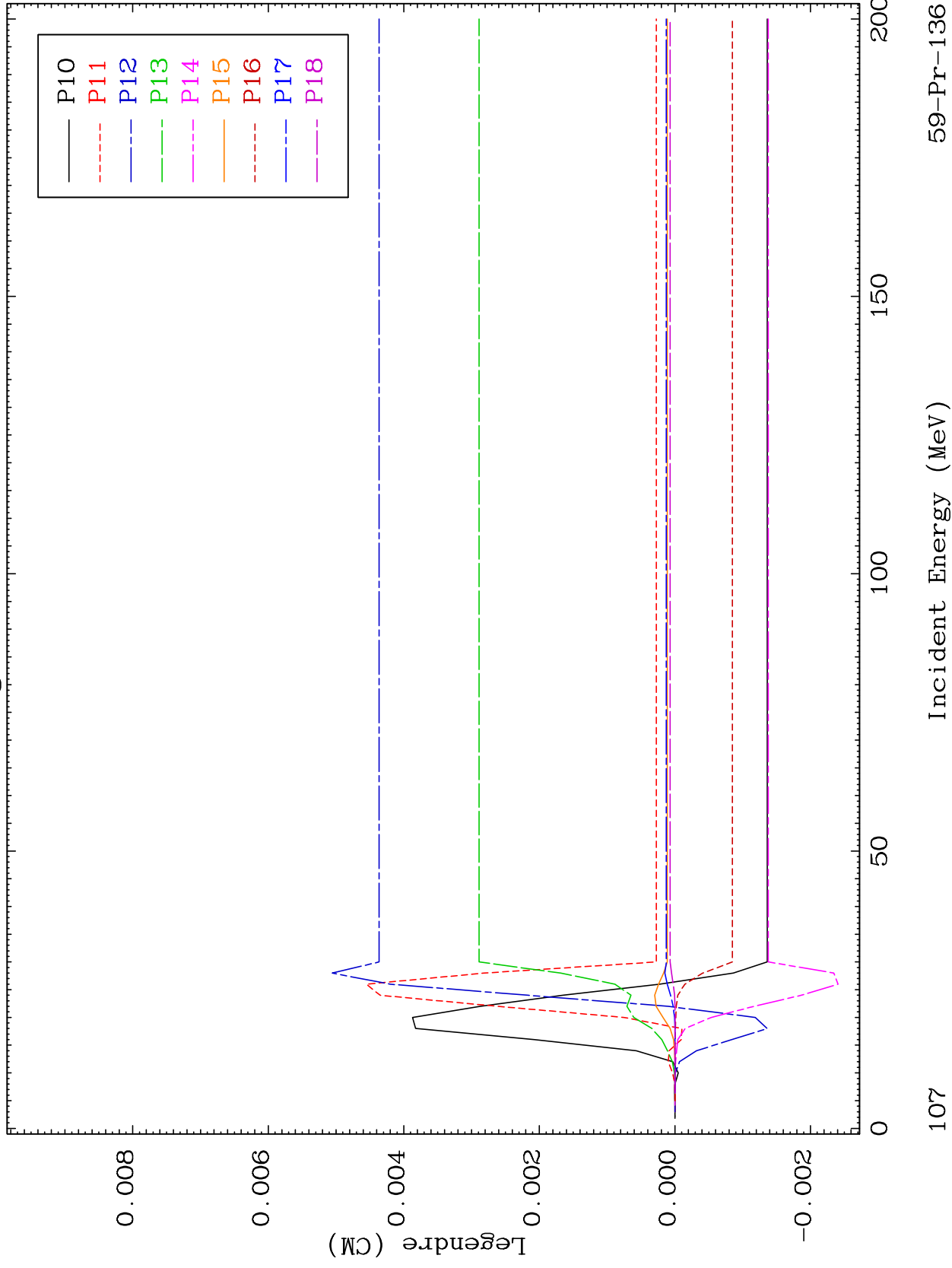
59-Pr-136



MAT 5910

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

59-Pr-136



59-Pr-136

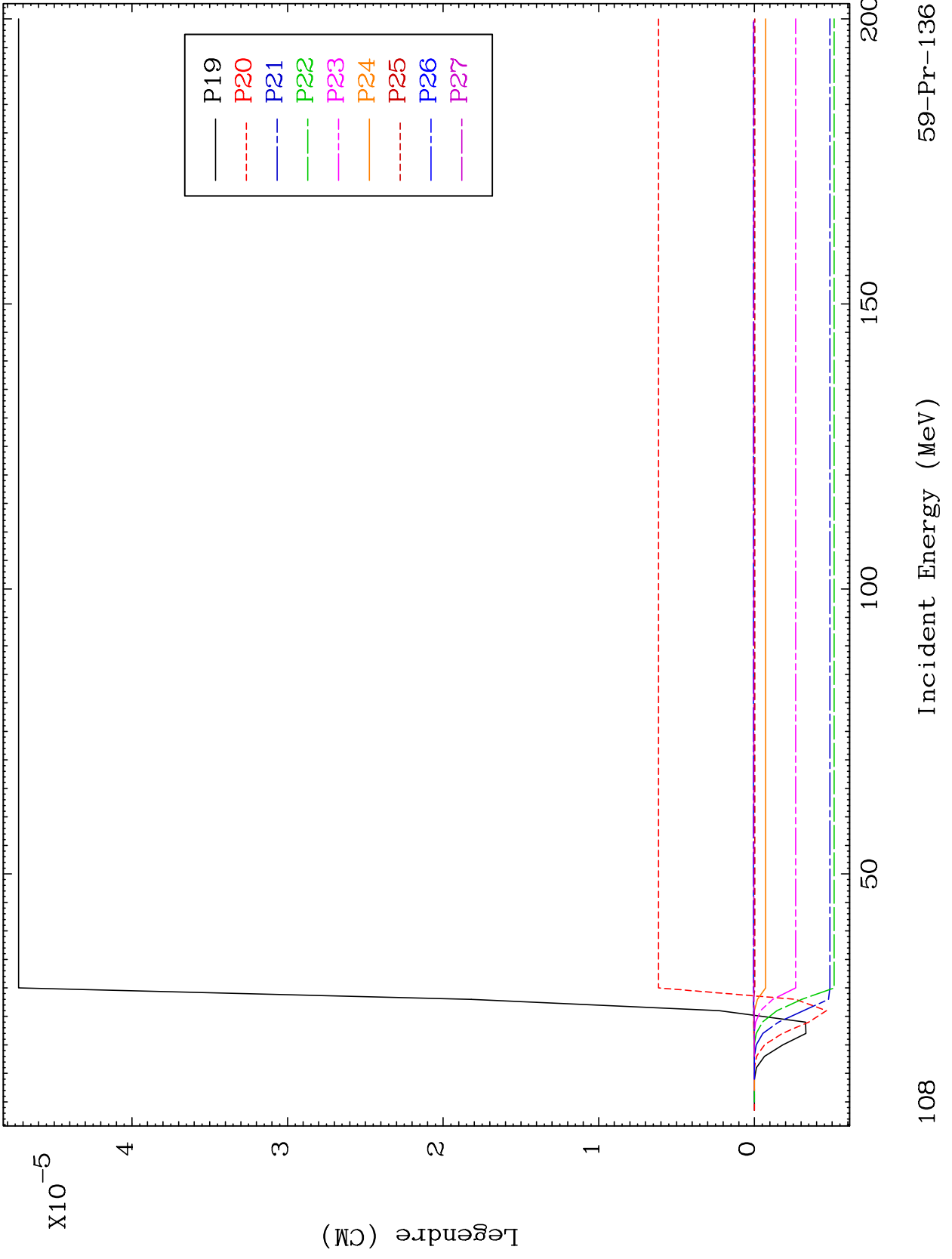
Incident Energy (MeV)

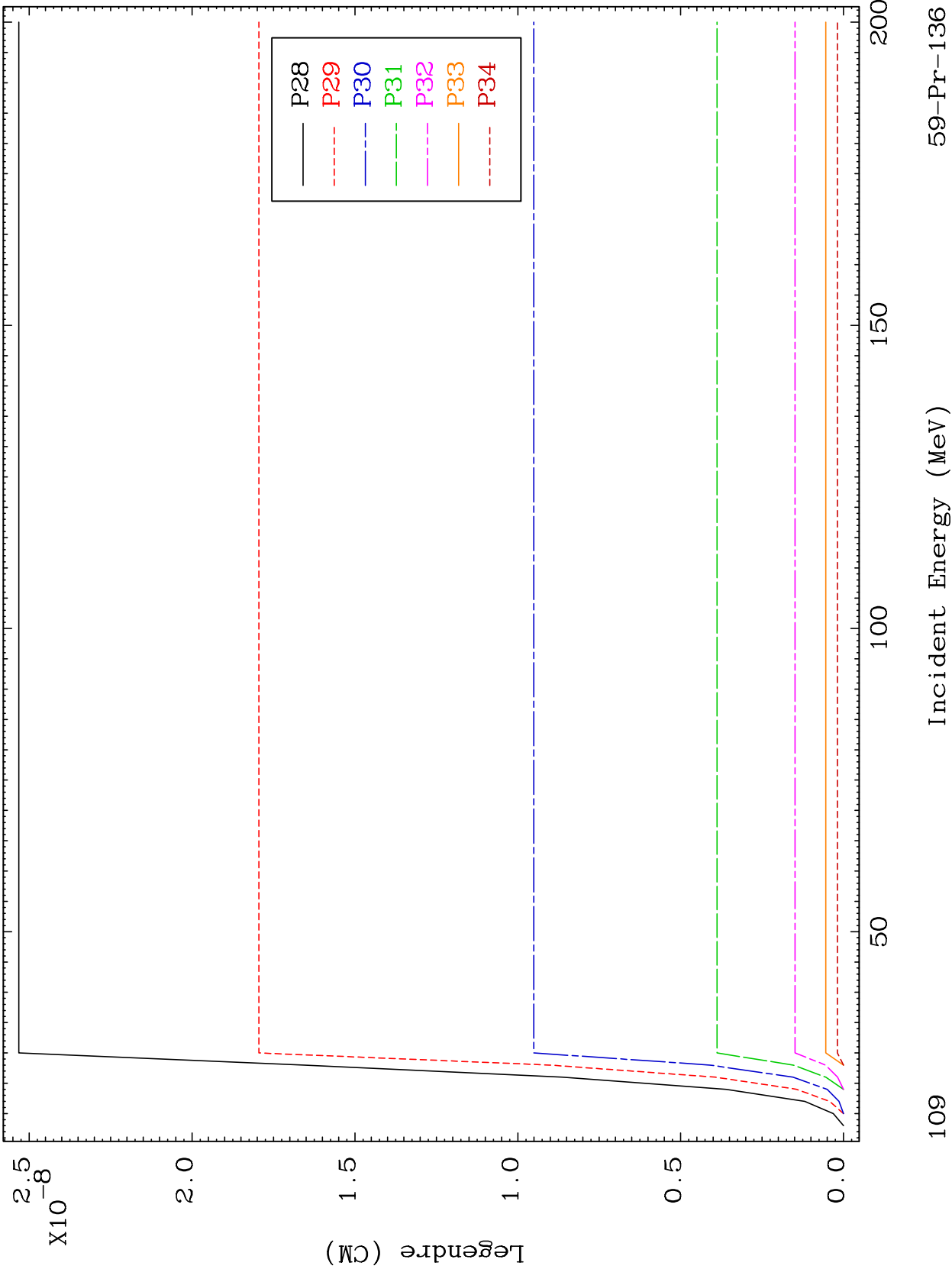
107

MAT 5910

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

59-Pr-136

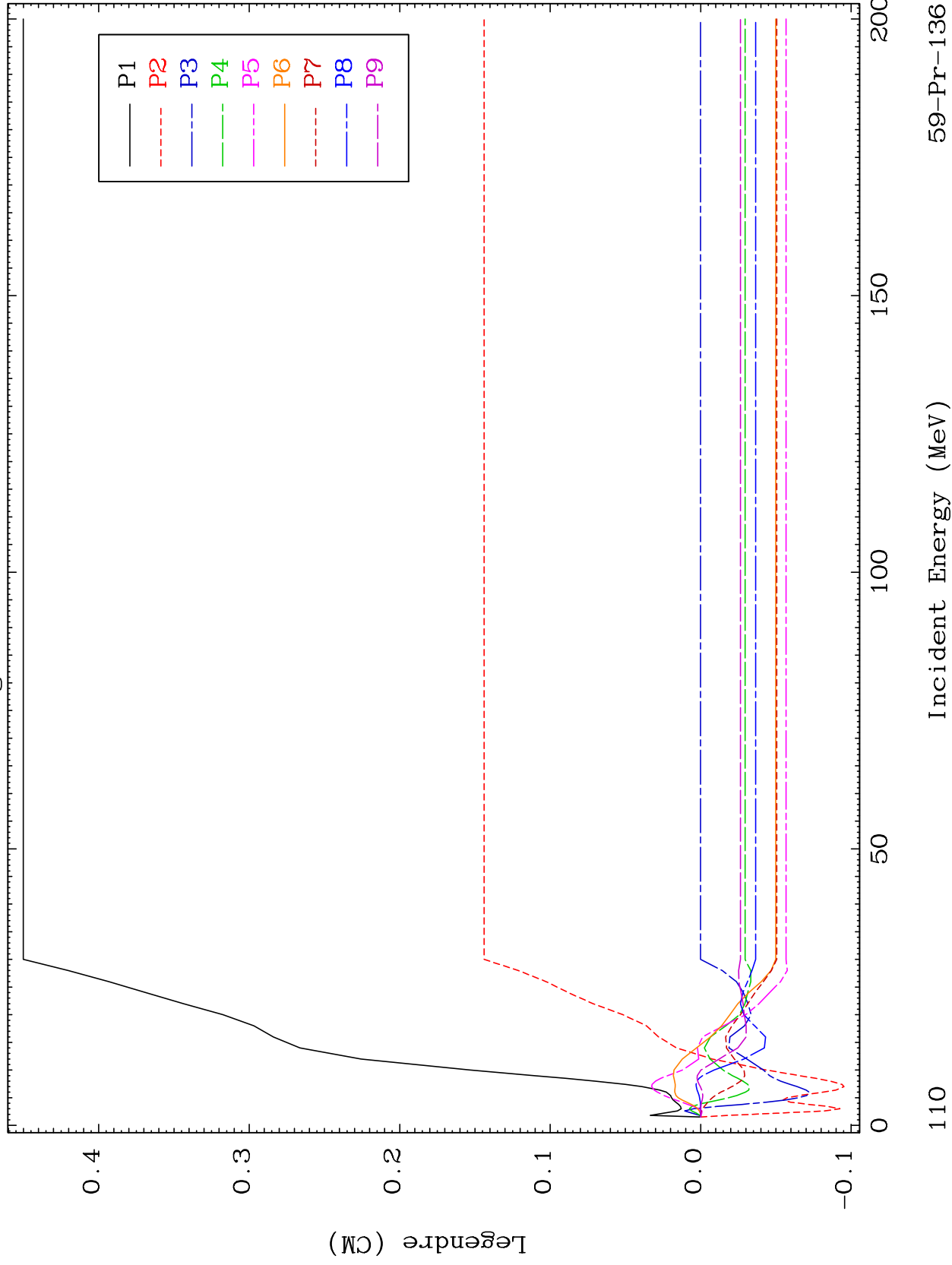




MAT 5910

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

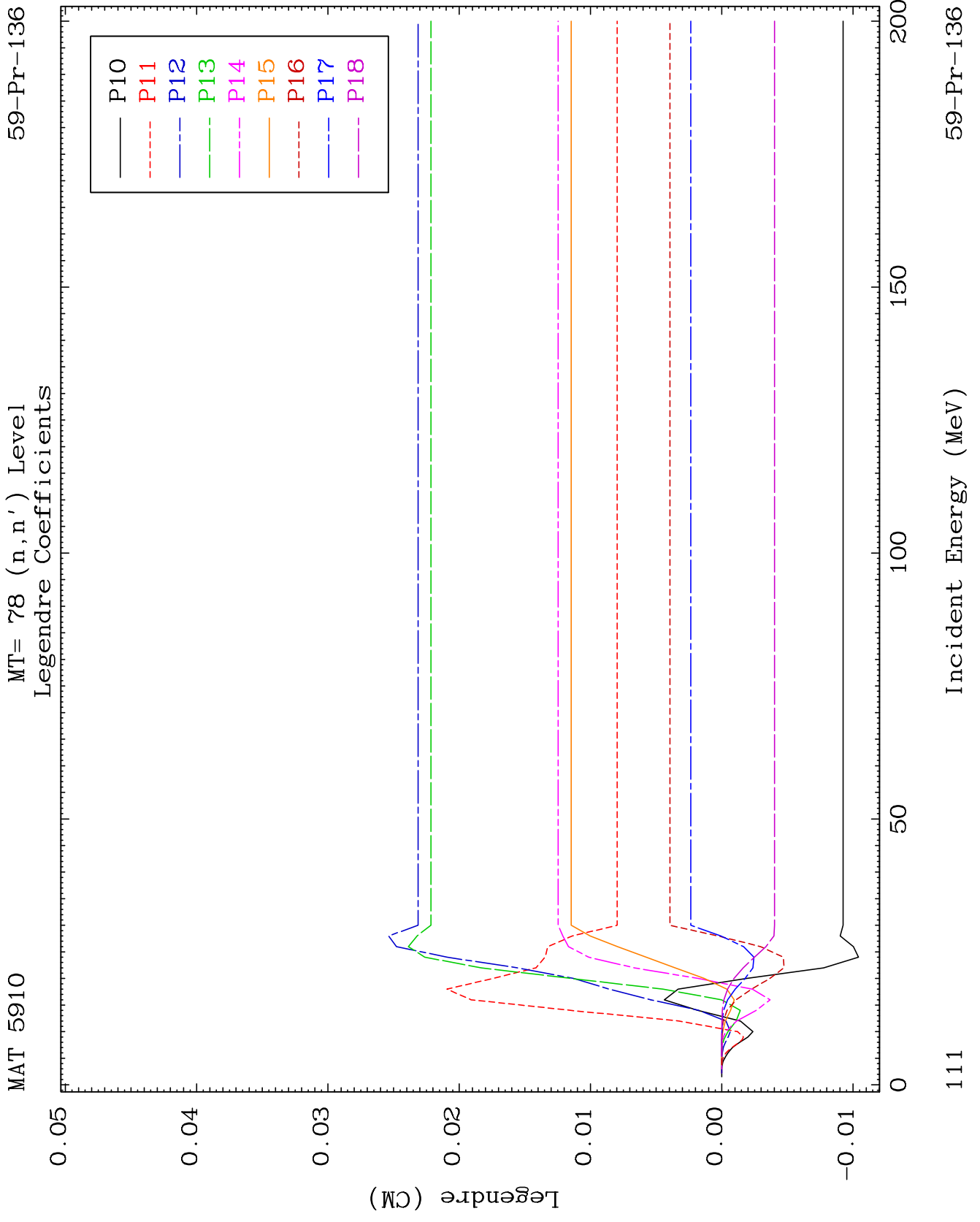
59-Pr-136



59-Pr-136

Incident Energy (MeV)

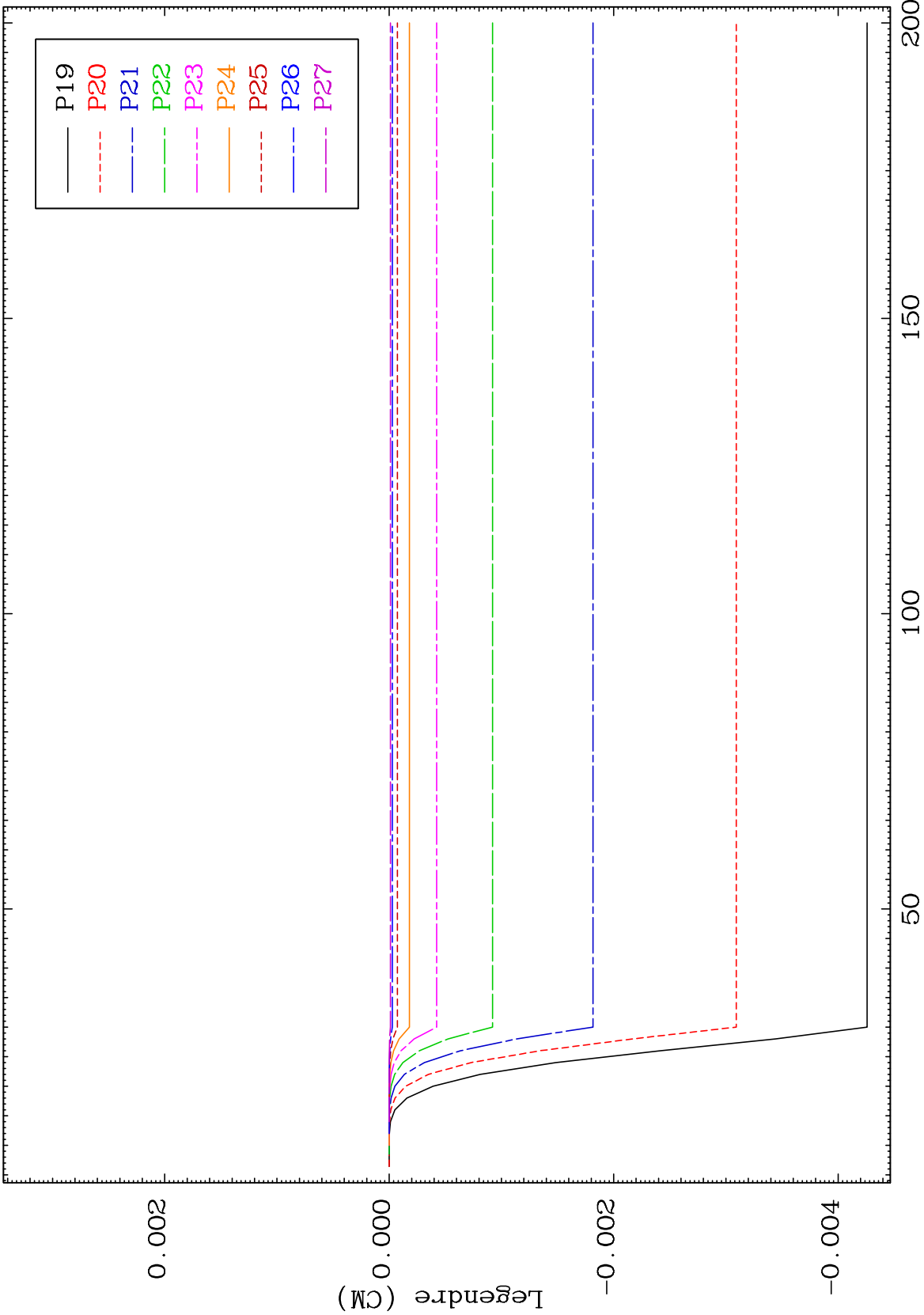
110



MAT 5910

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

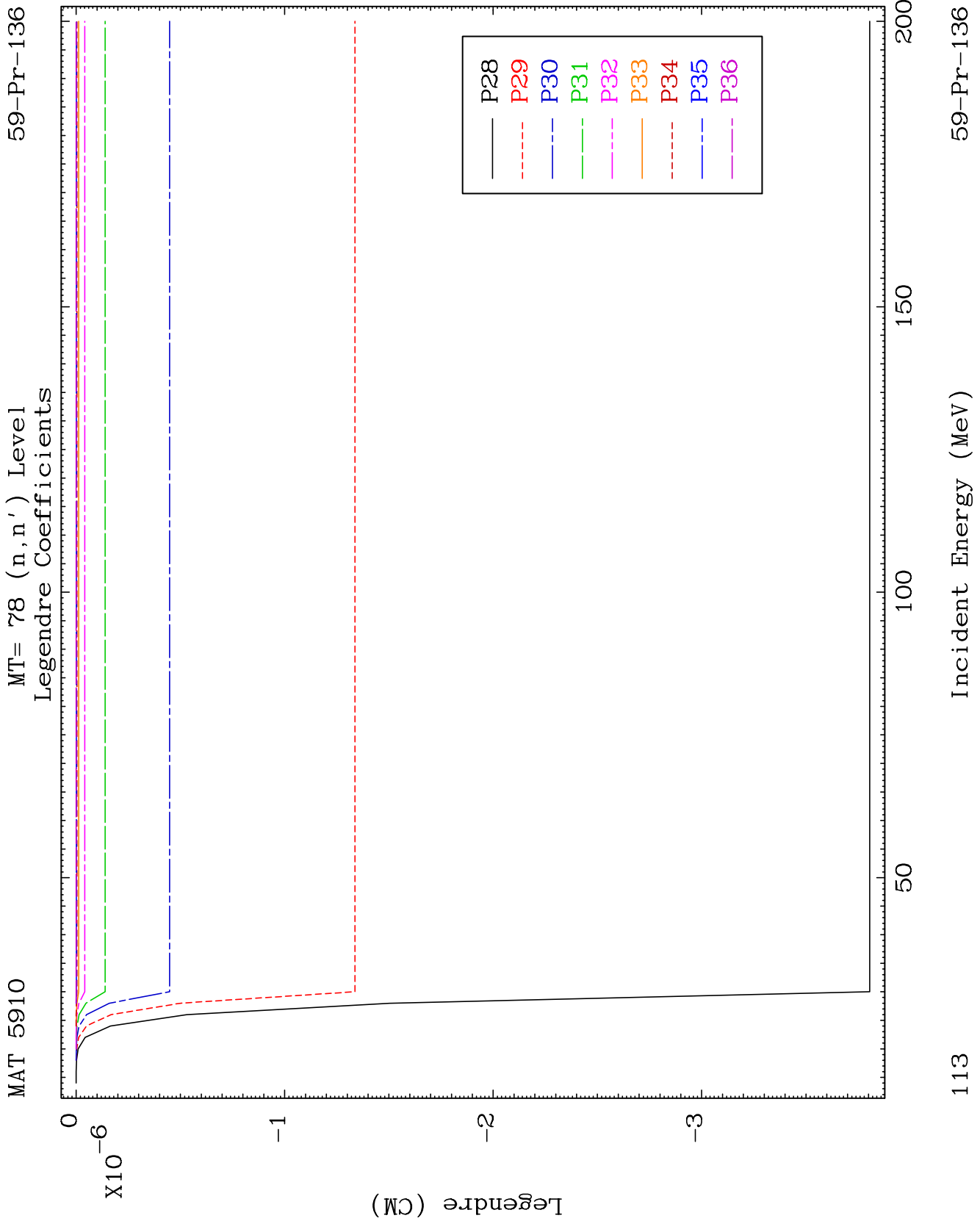
59-Pr-136



112

Incident Energy (MeV)

59-Pr-136

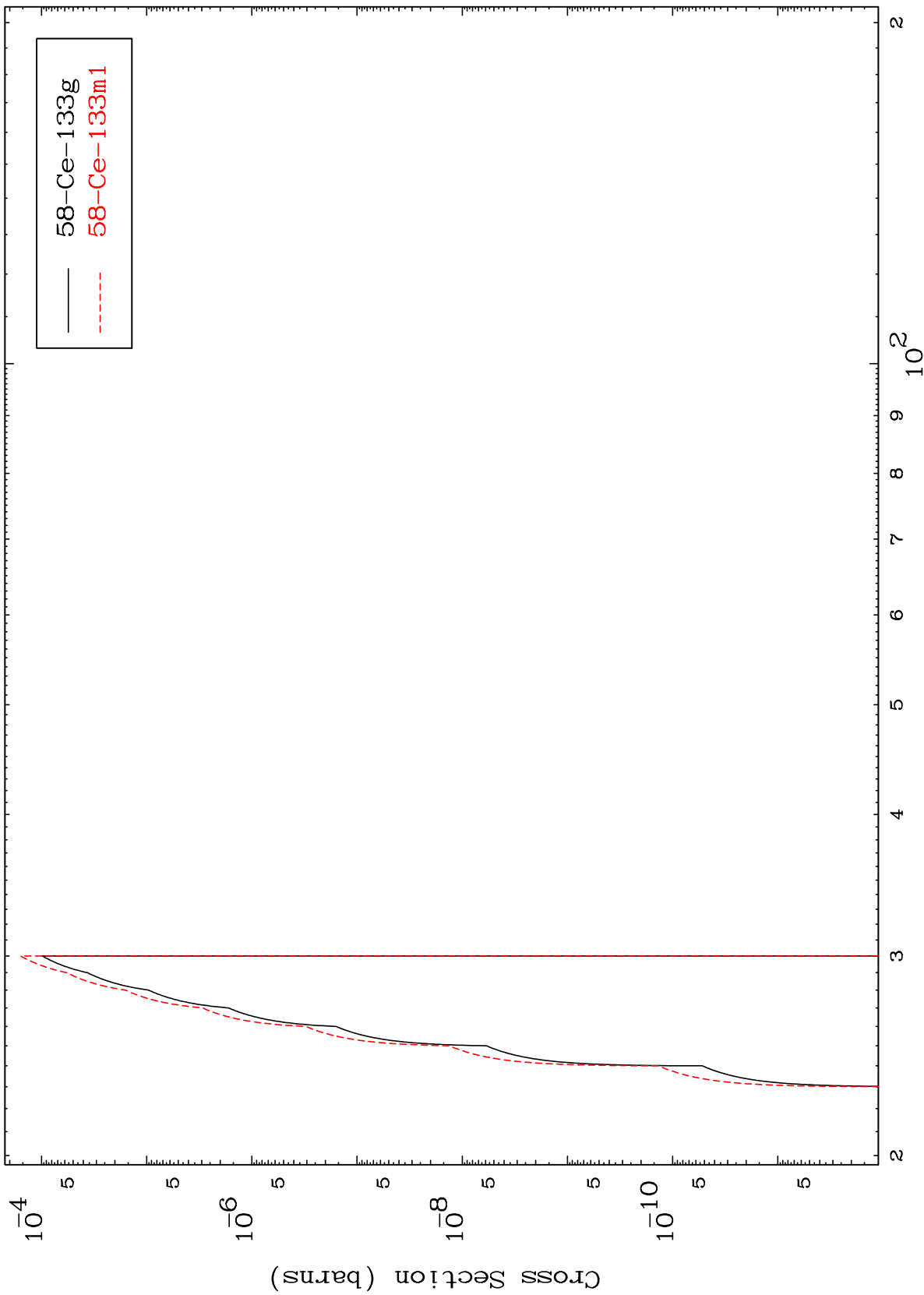


MAT 5910

(n,2n) d

59-Pr-136

Radionuclide Production Cross Section



114

Incident Energy (MeV)

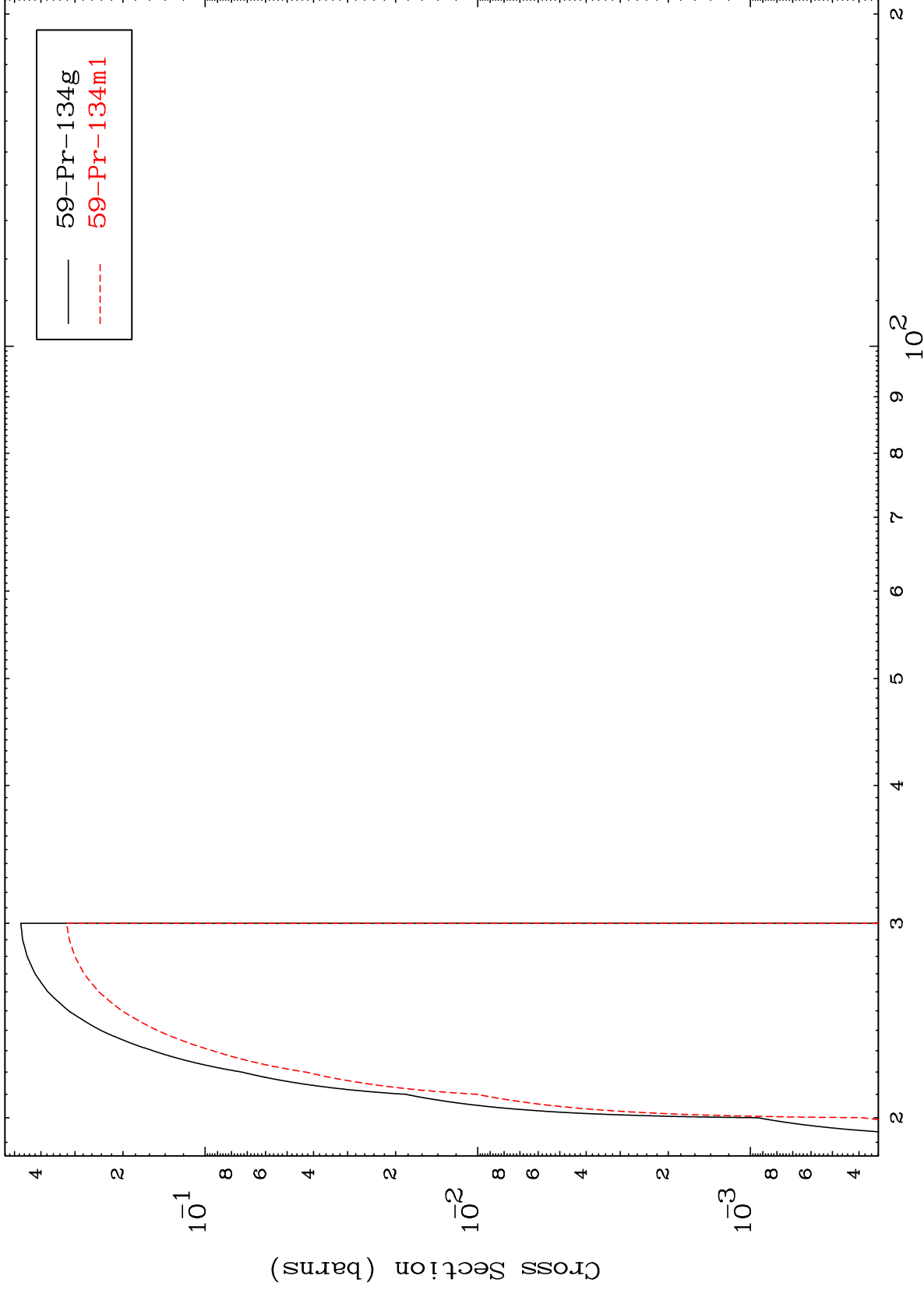
59-Pr-136

MAT 5910

(n,3n)

59-Pr-136

Radionuclide Production Cross Section



115

Incident Energy (MeV)

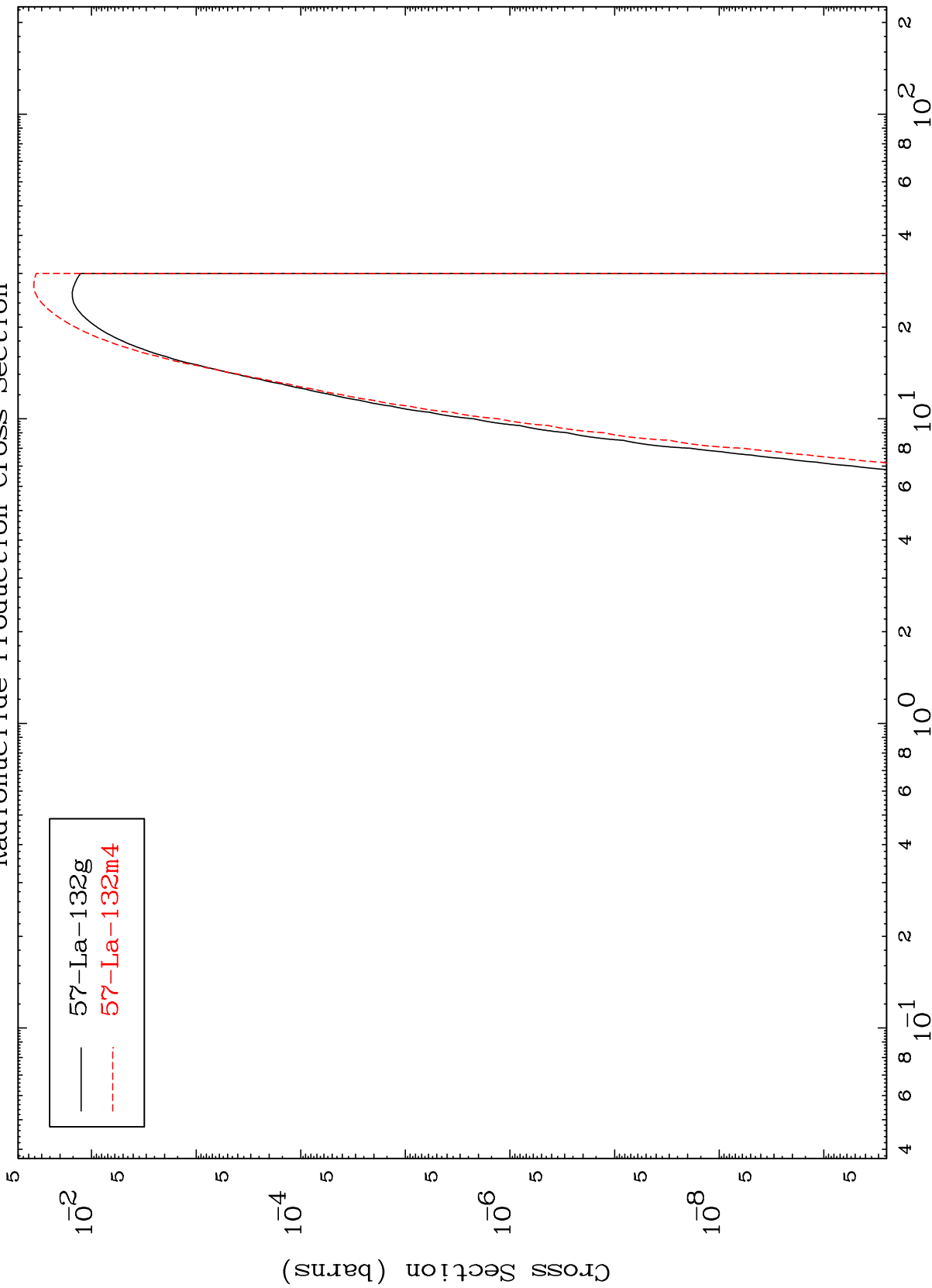
59-Pr-136

MAT 5910

$(n, n')$   $\alpha$

59-Pr-136

Radionuclide Production Cross Section



— 57-La-132g  
- - - 57-La-132m4

116

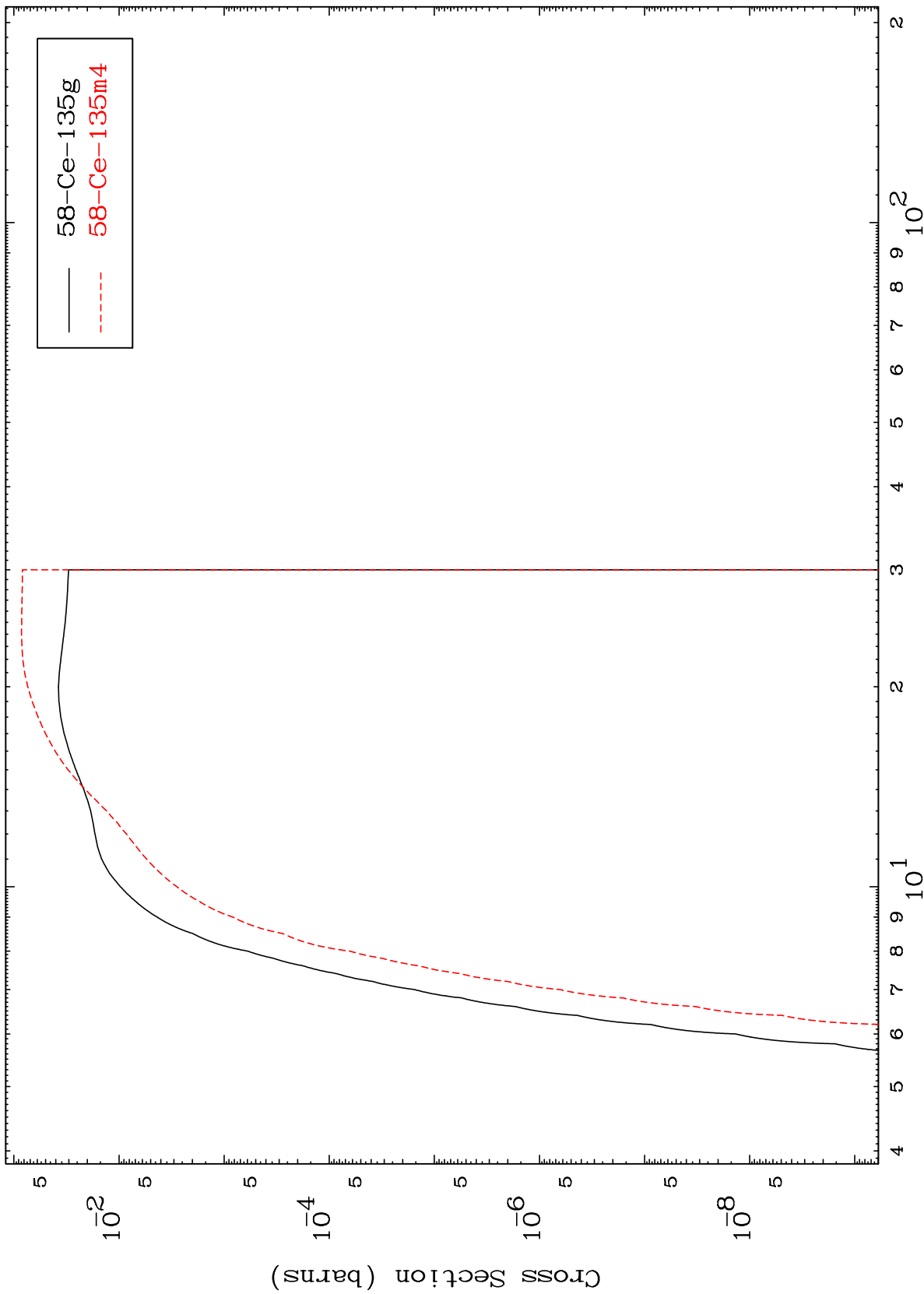
Incident Energy (MeV)

59-Pr-136

MAT 5910

59-Pr-136

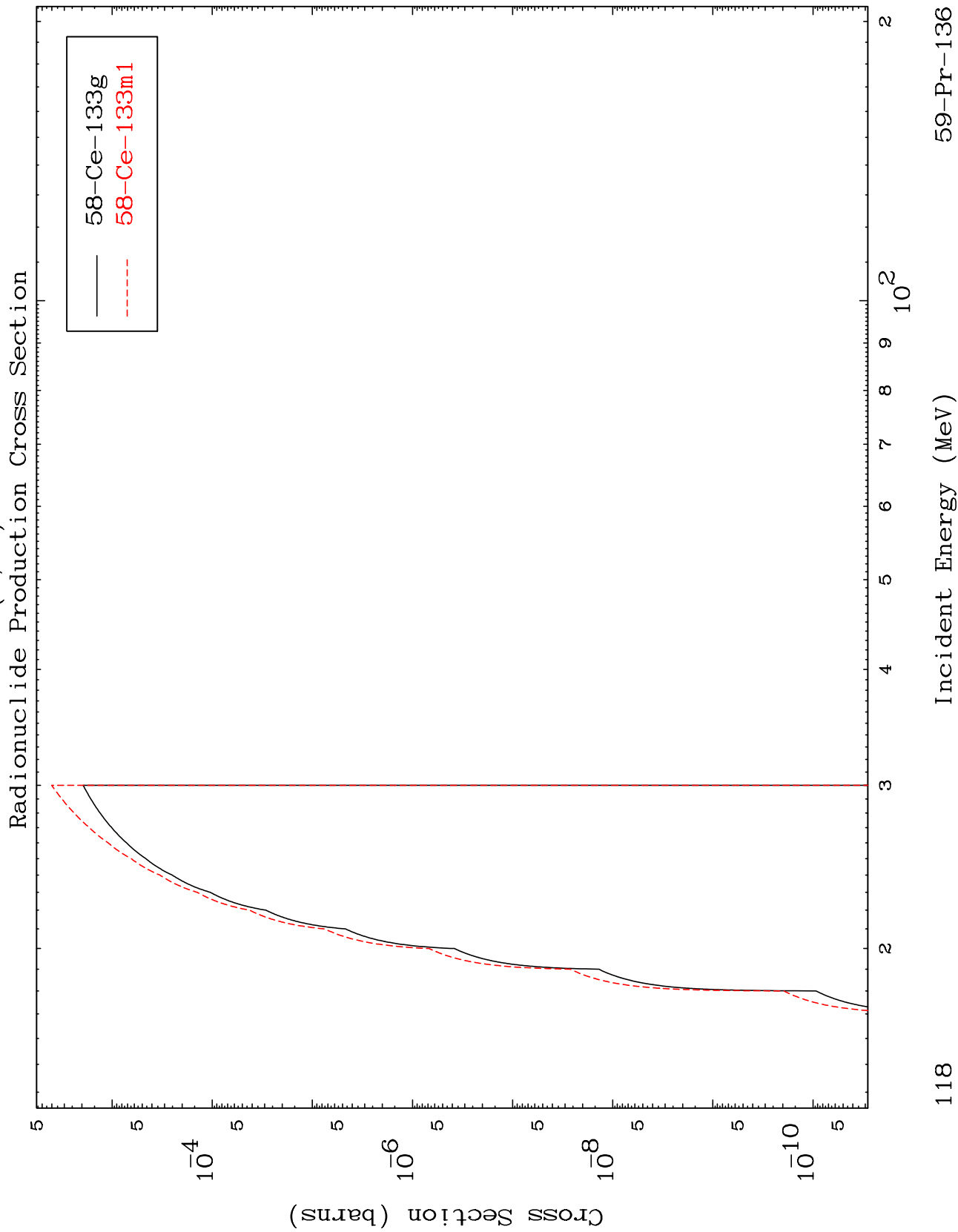
(n,n') p  
Radionuclide Production Cross Section



117

Incident Energy (MeV)

59-Pr-136

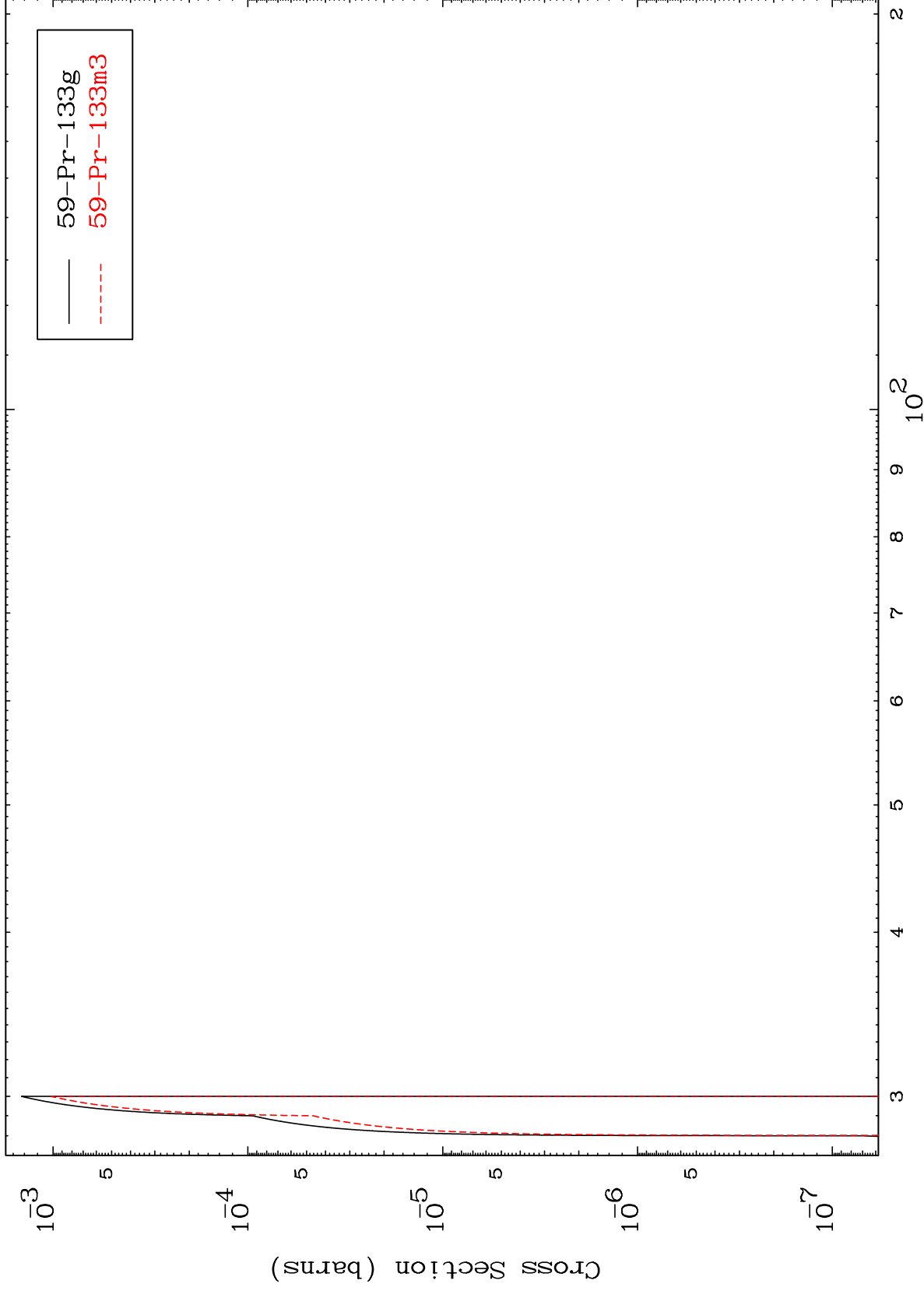


MAT 5910

(n,4n)

59-Pr-136

Radionuclide Production Cross Section



119

Incident Energy (MeV)

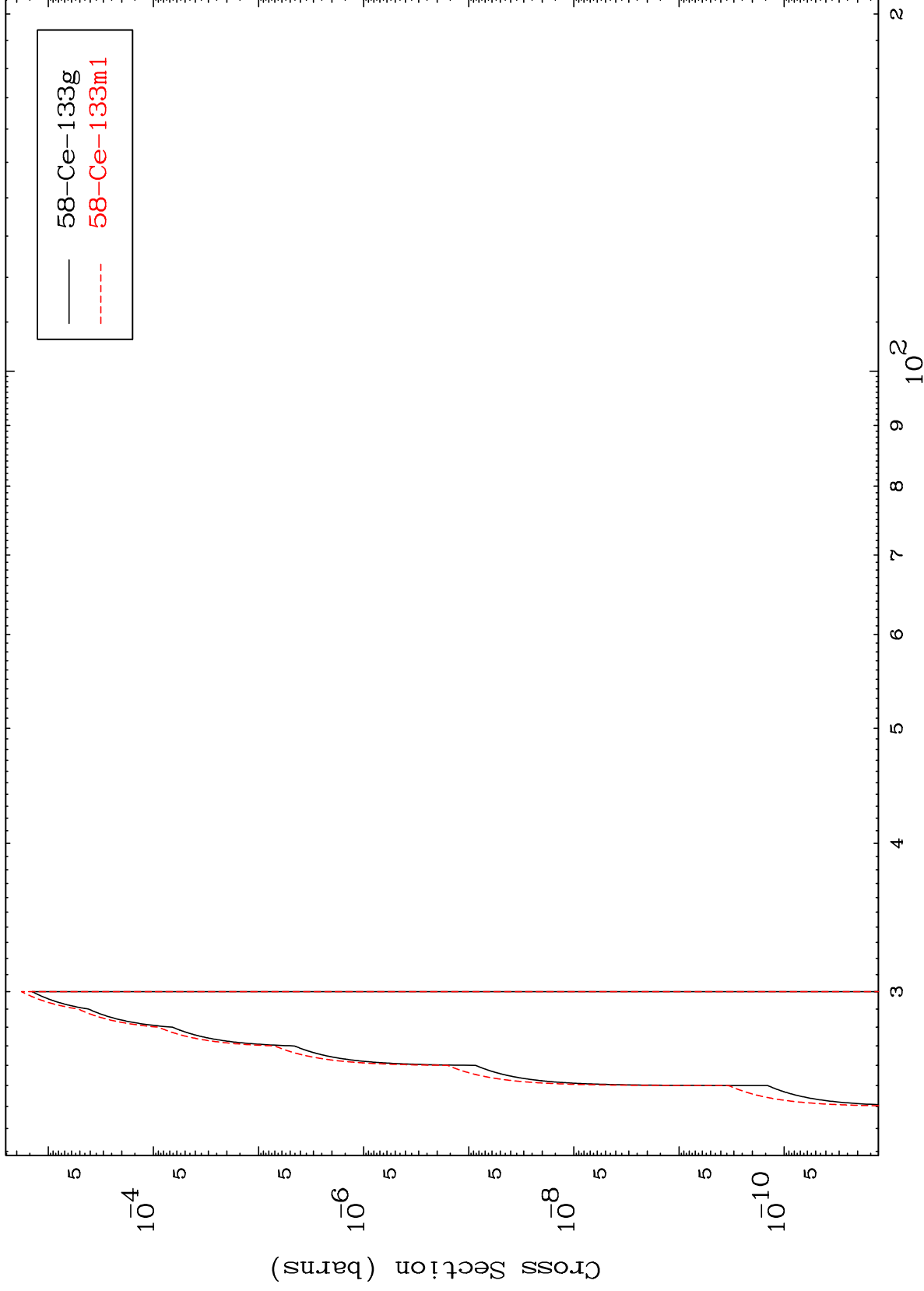
59-Pr-136

MAT 5910

(n,3n) p

59-Pr-136

Radionuclide Production Cross Section



120

Incident Energy (MeV)

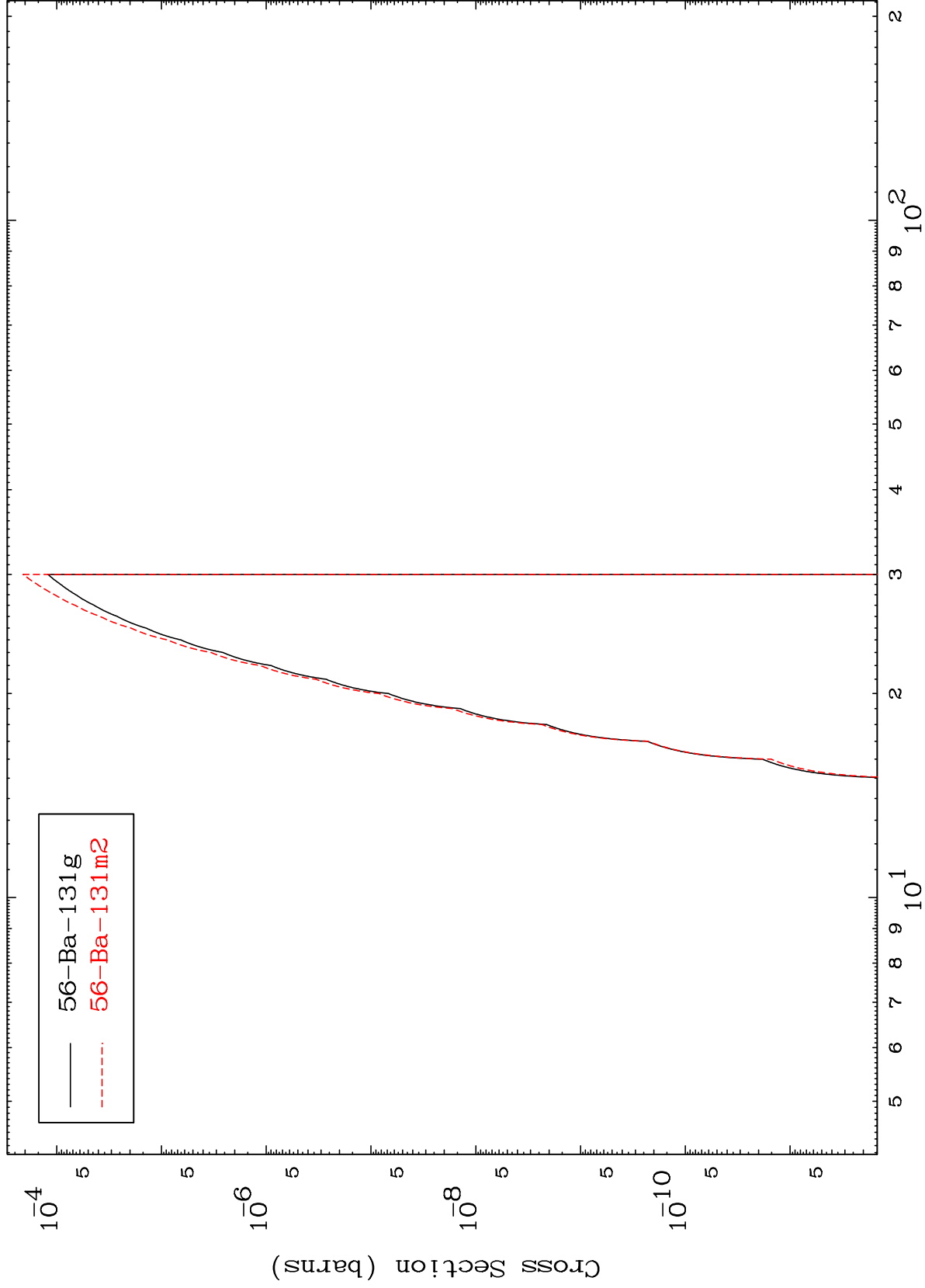
59-Pr-136

MAT 5910

(n,n') p  $\alpha$

59-Pr-136

Radionuclide Production Cross Section



121

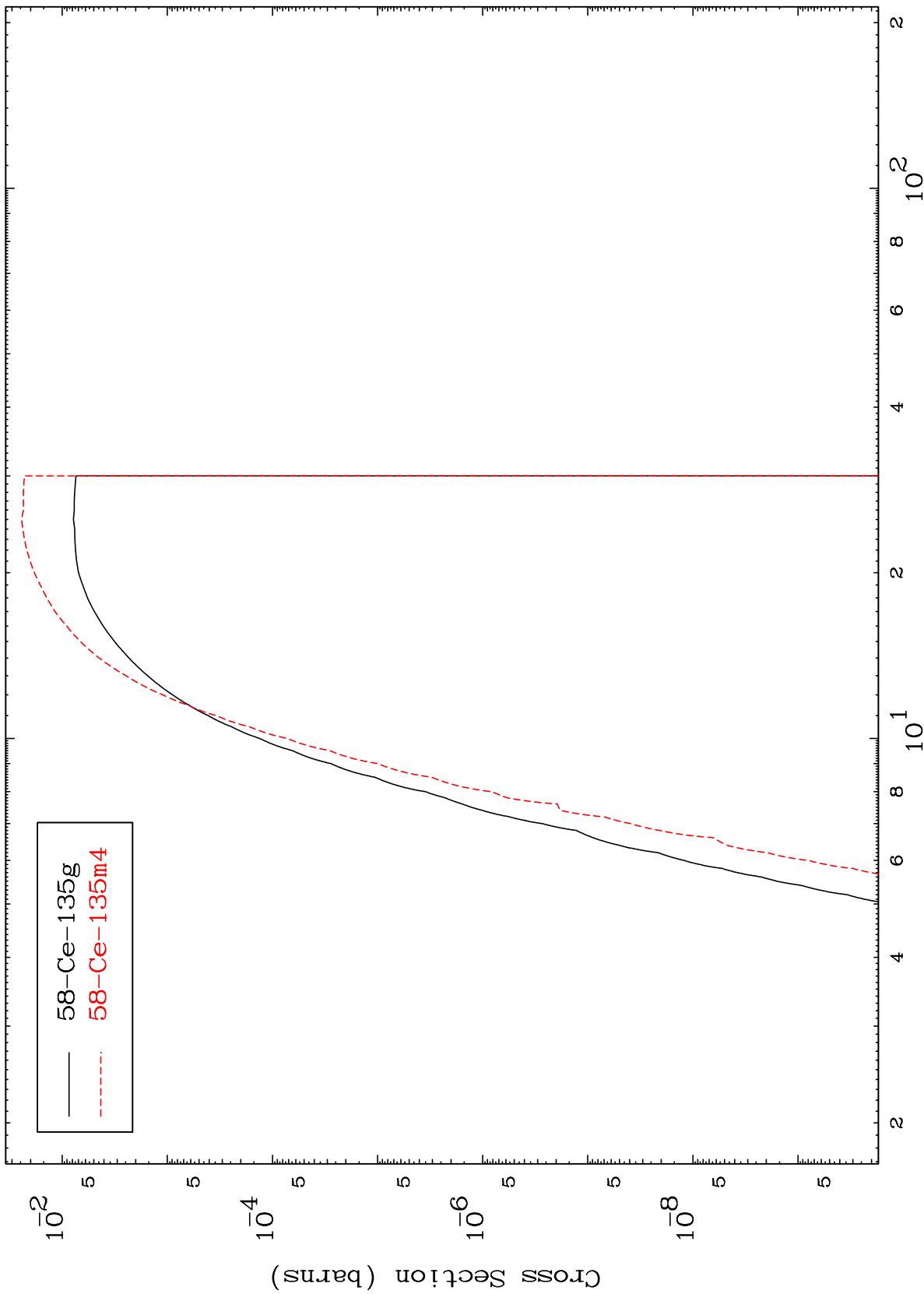
Incident Energy (MeV)

59-Pr-136

MAT 5910

59-Pr-136

(n,d)  
Radionuclide Production Cross Section



59-Pr-136

Incident Energy (MeV)

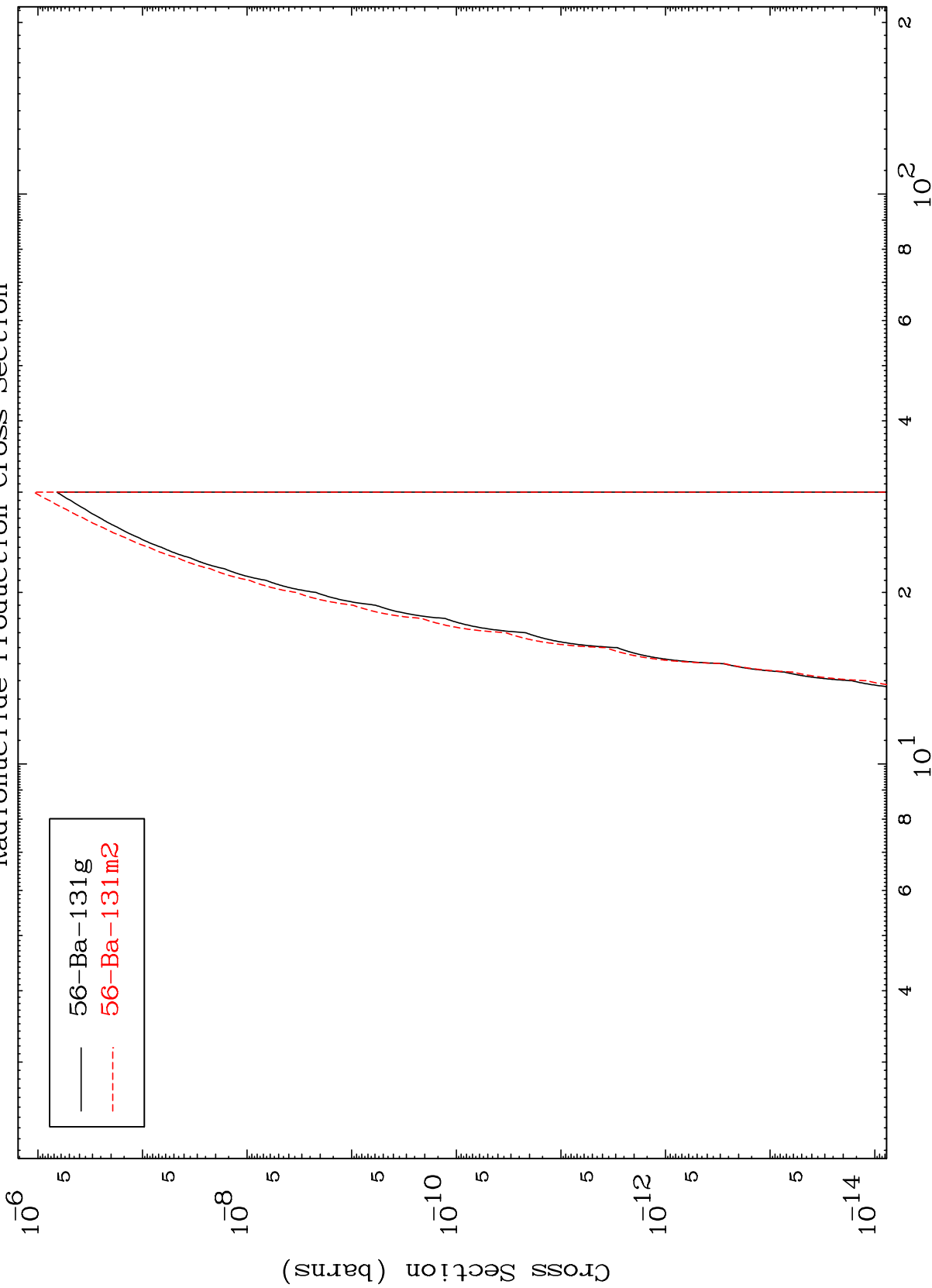
122

MAT 5910

(n,d)  $\alpha$

59-Pr-136

Radionuclide Production Cross Section



56-Ba-131g  
56-Ba-131m2