

Program EVALPLOT
(Version 2021-1)

by

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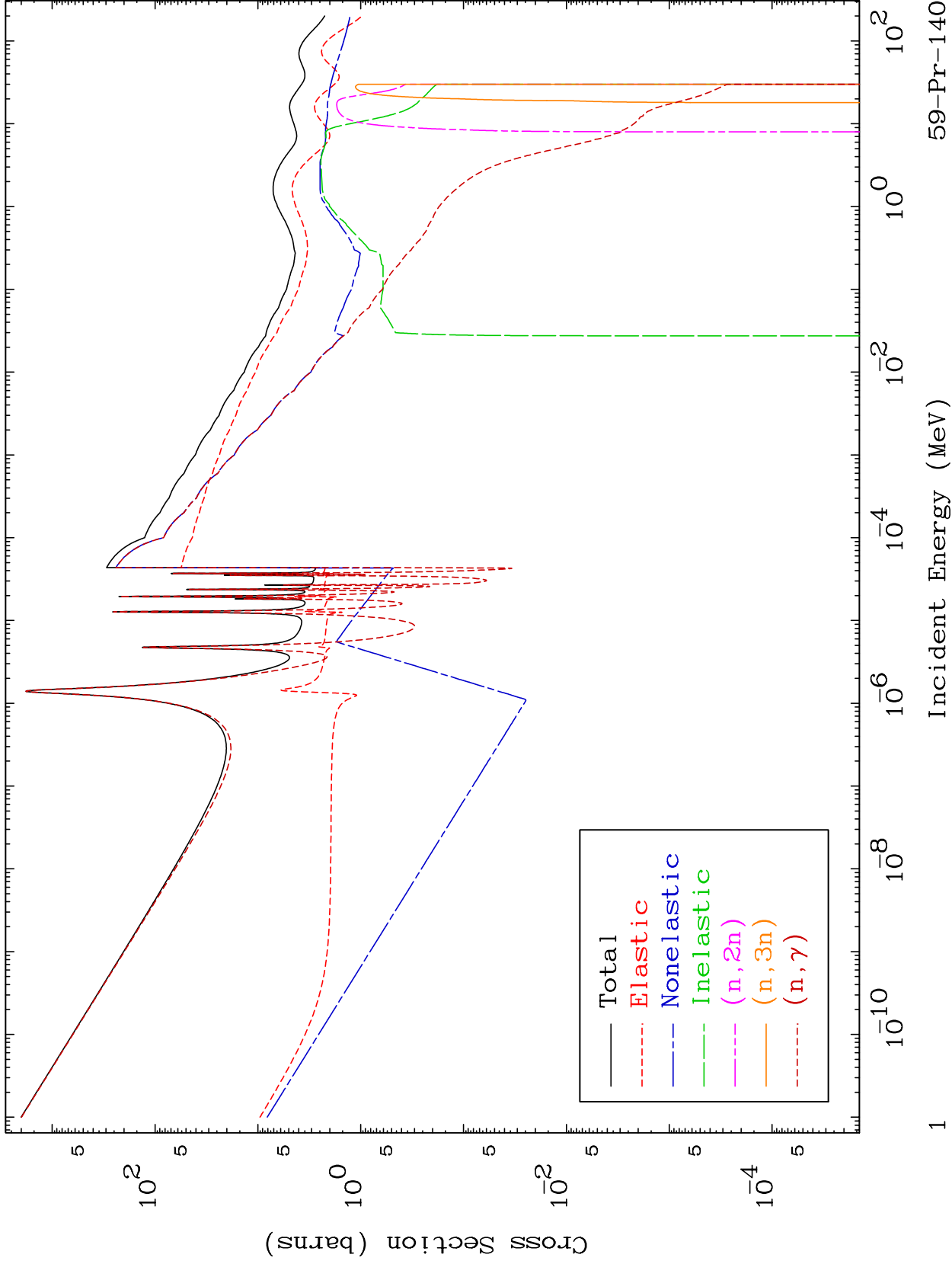
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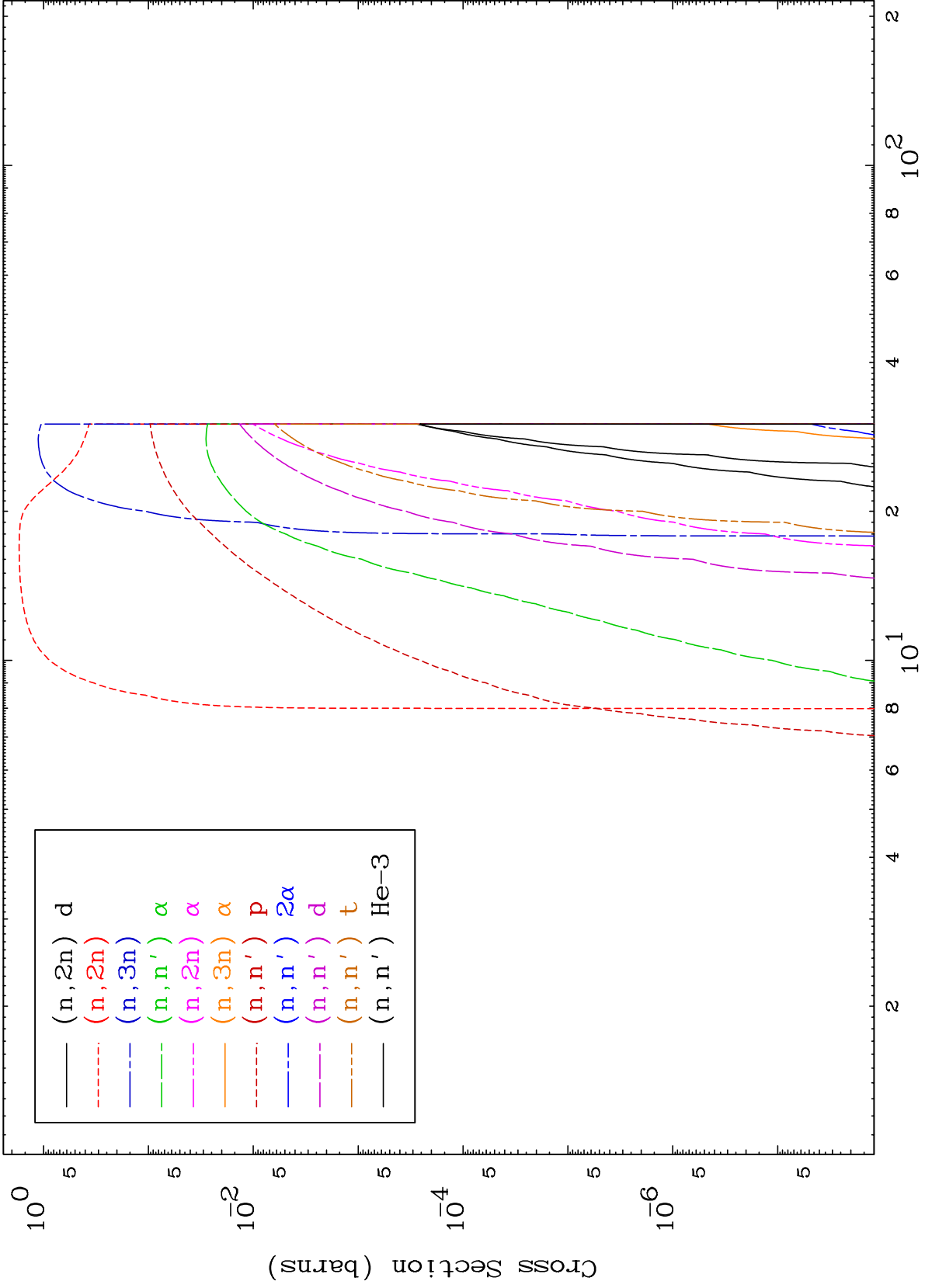
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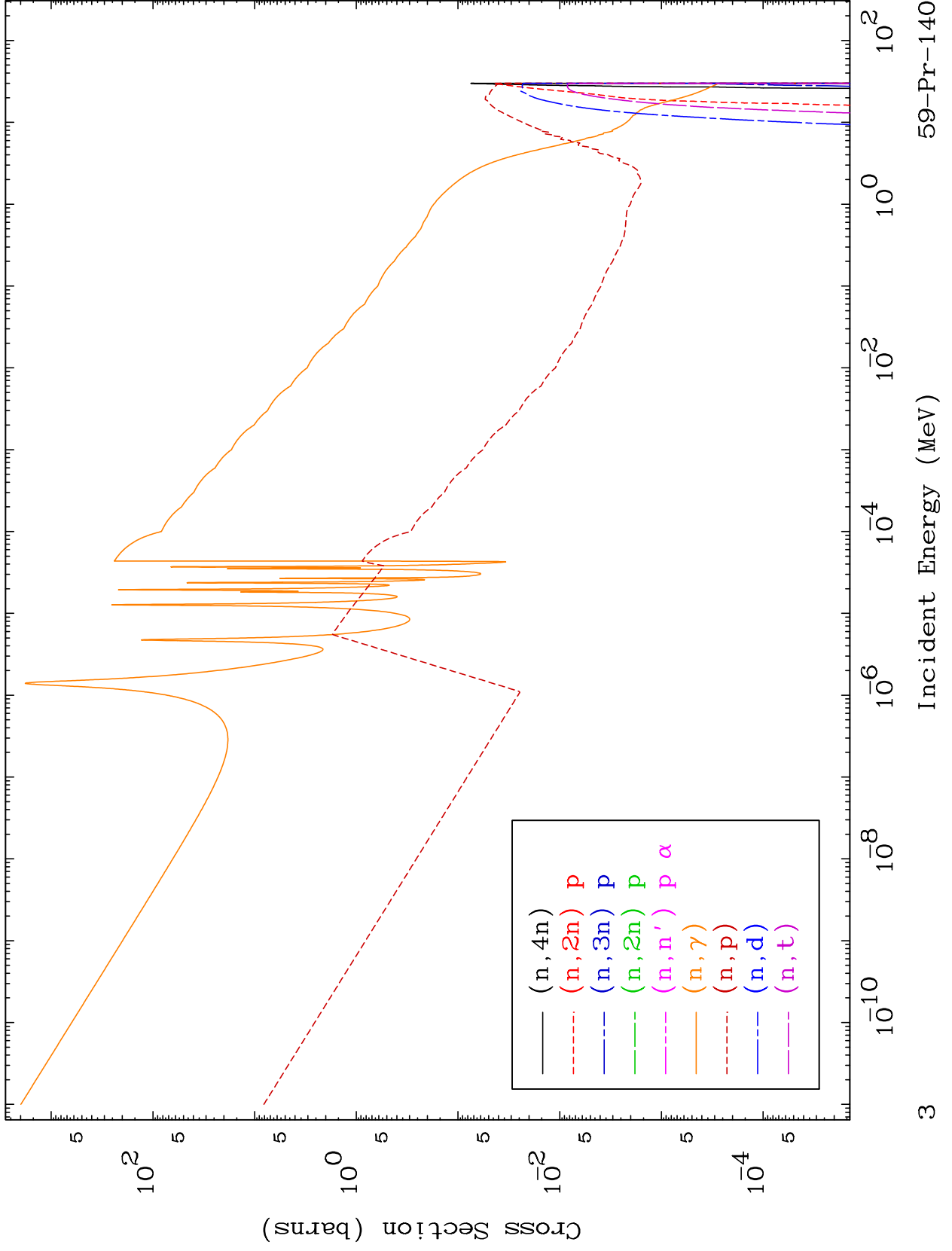
MAT 5922

Neutron Major
293 Kelvin Cross Sections

59-Pr-140



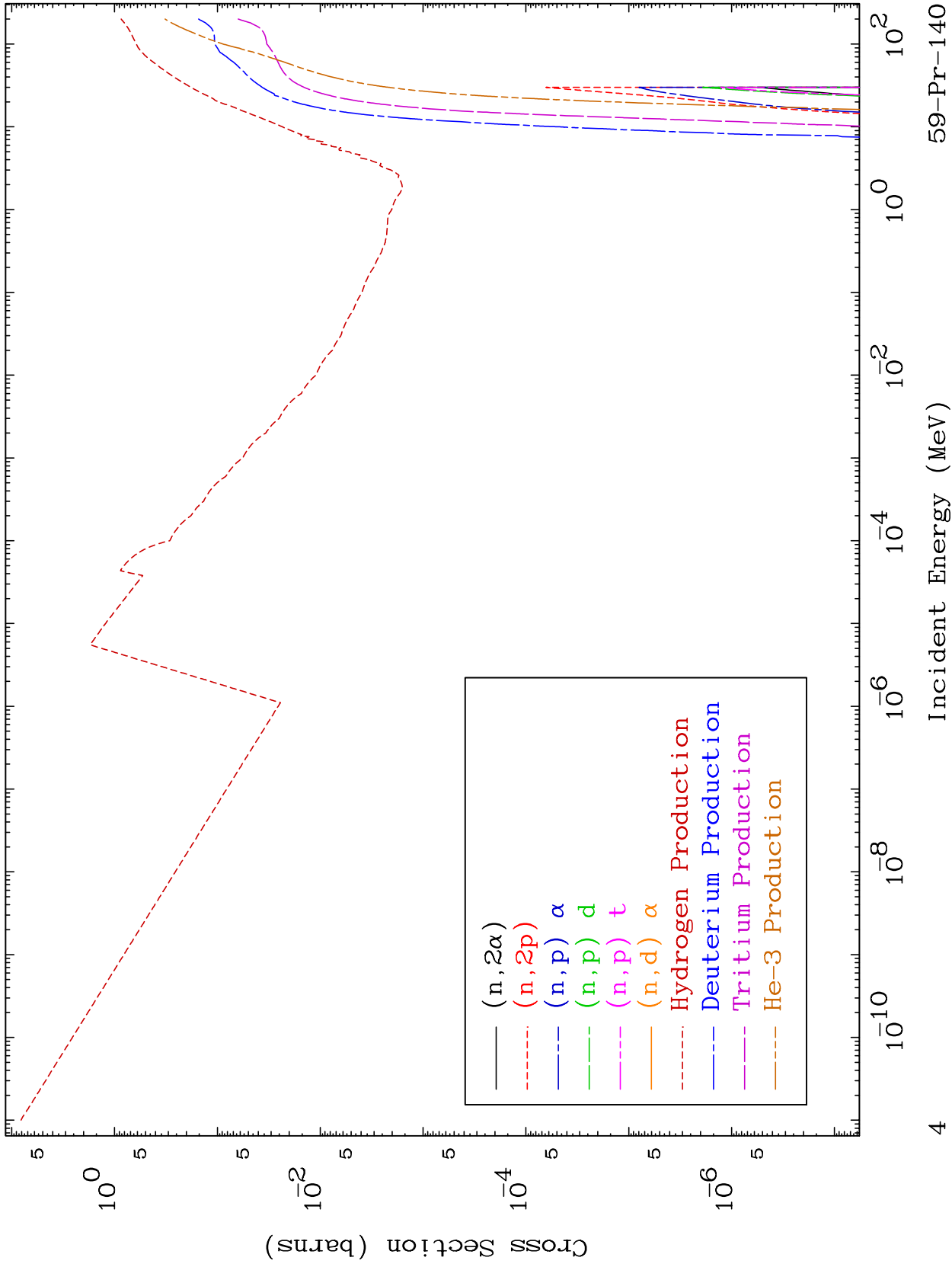




MAT 5922

Neutron Absorption
293 Kelvin Cross Sections

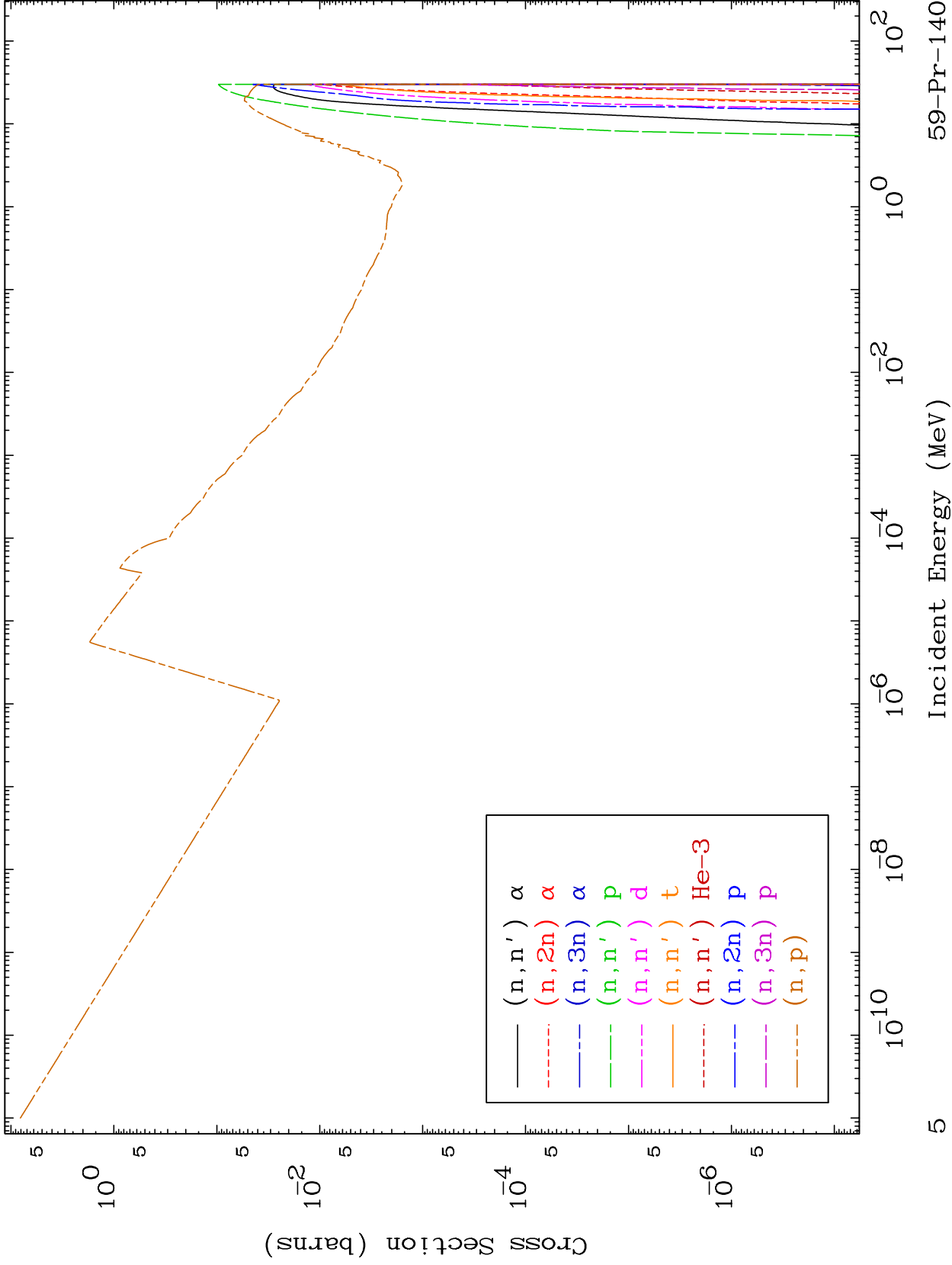
59-Pr-140



MAT 5922

Charged Particle
293 Kelvin Cross Sections

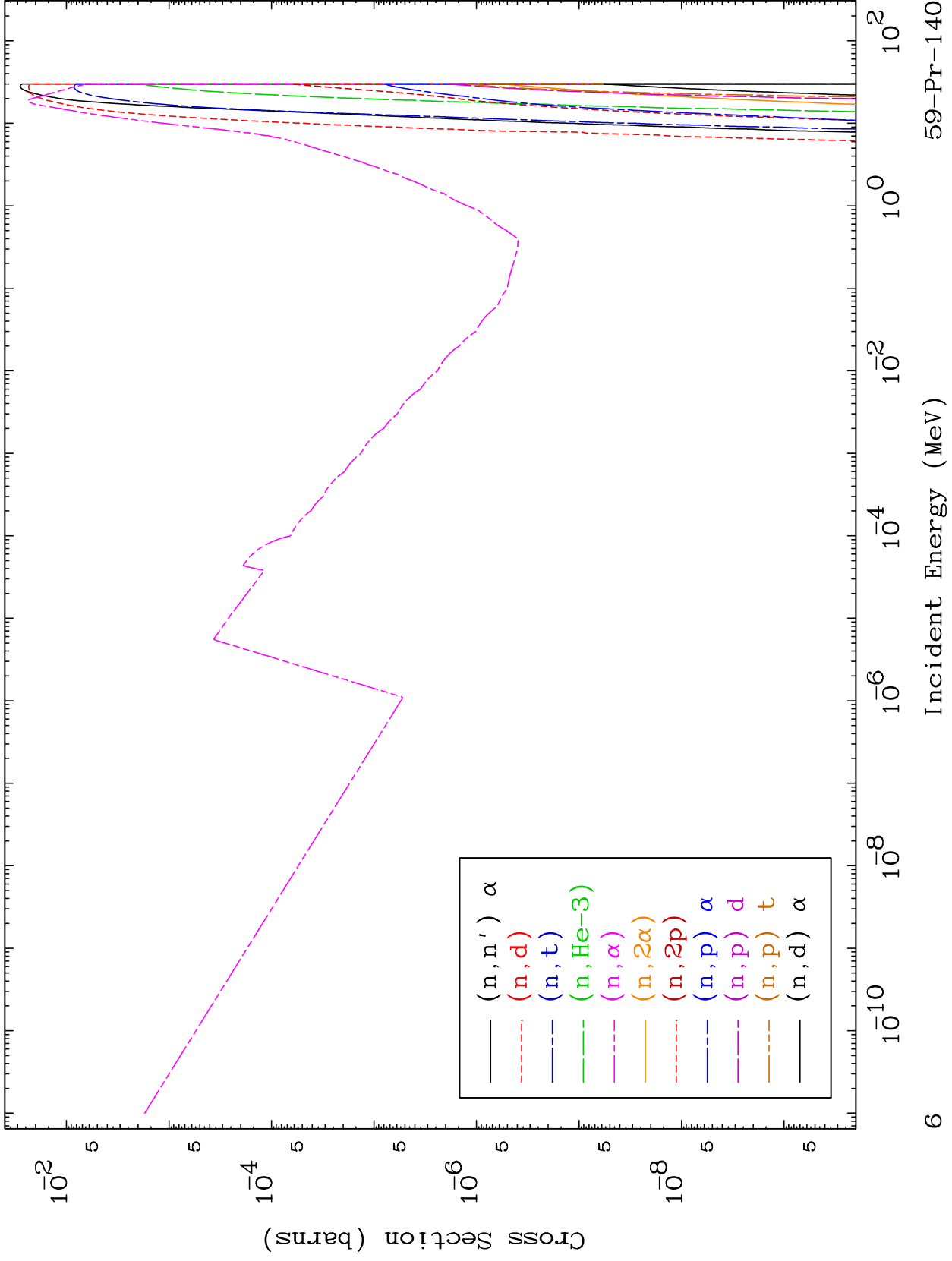
59-Pr-140

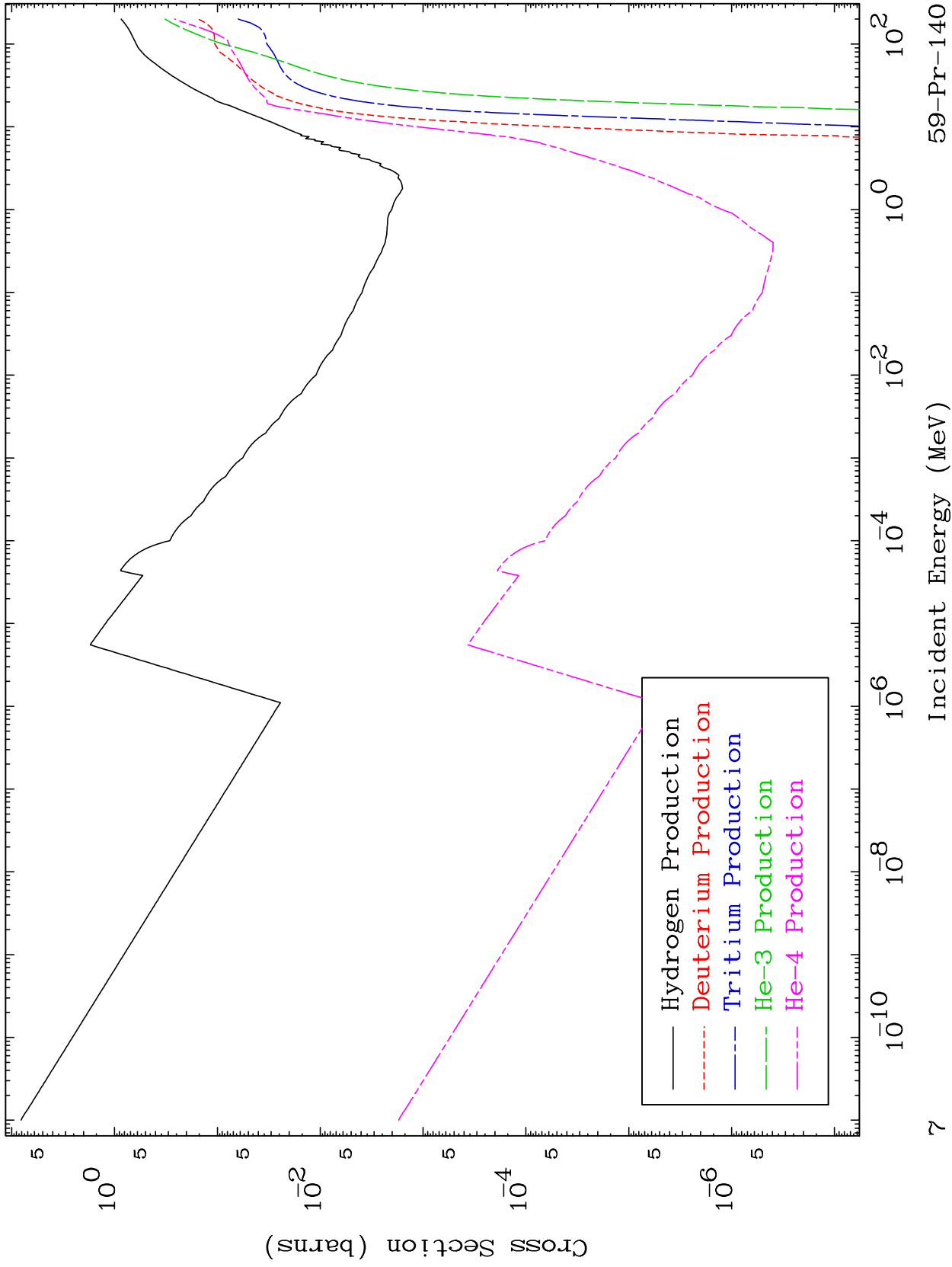


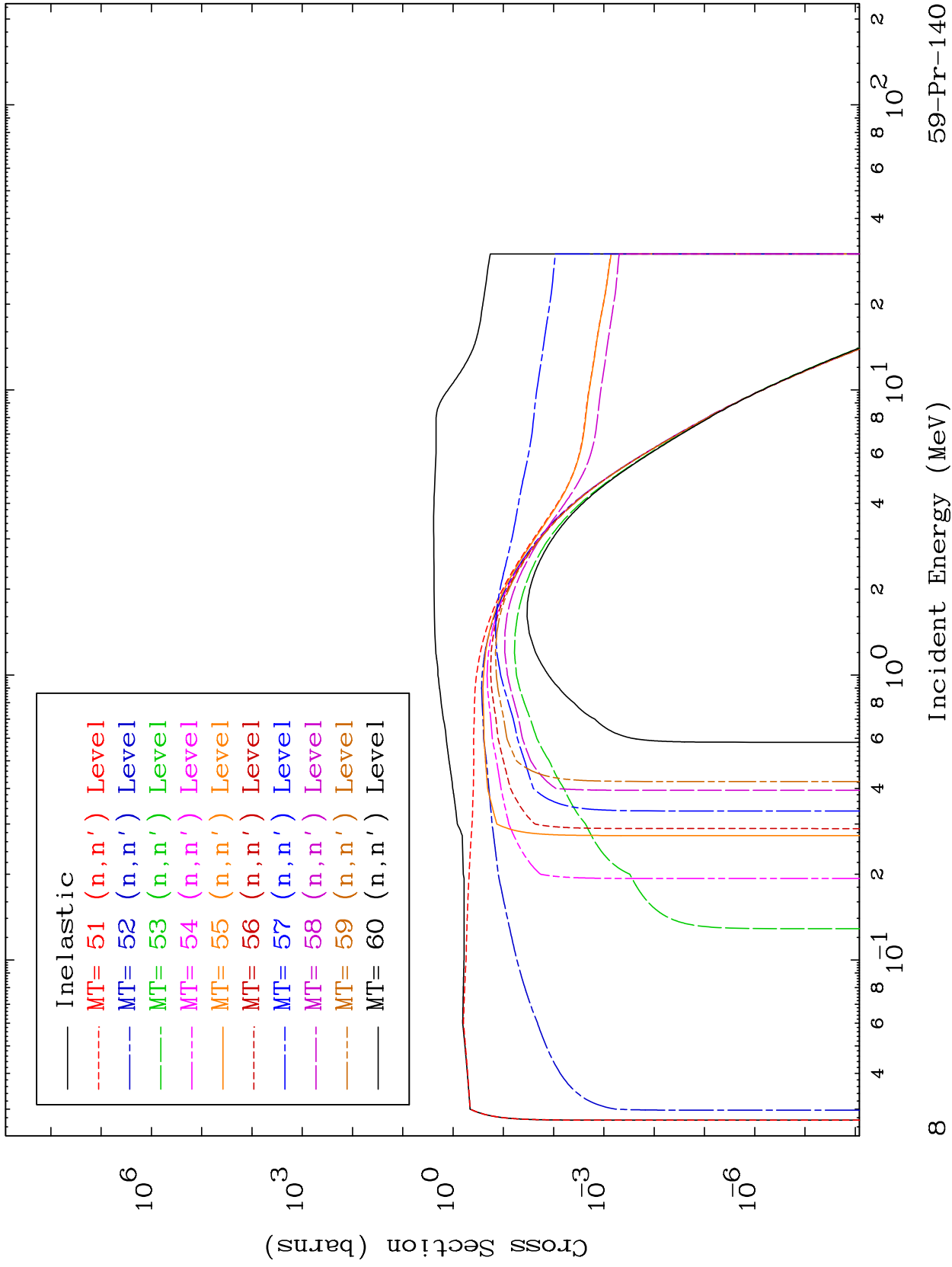
MAT 5922

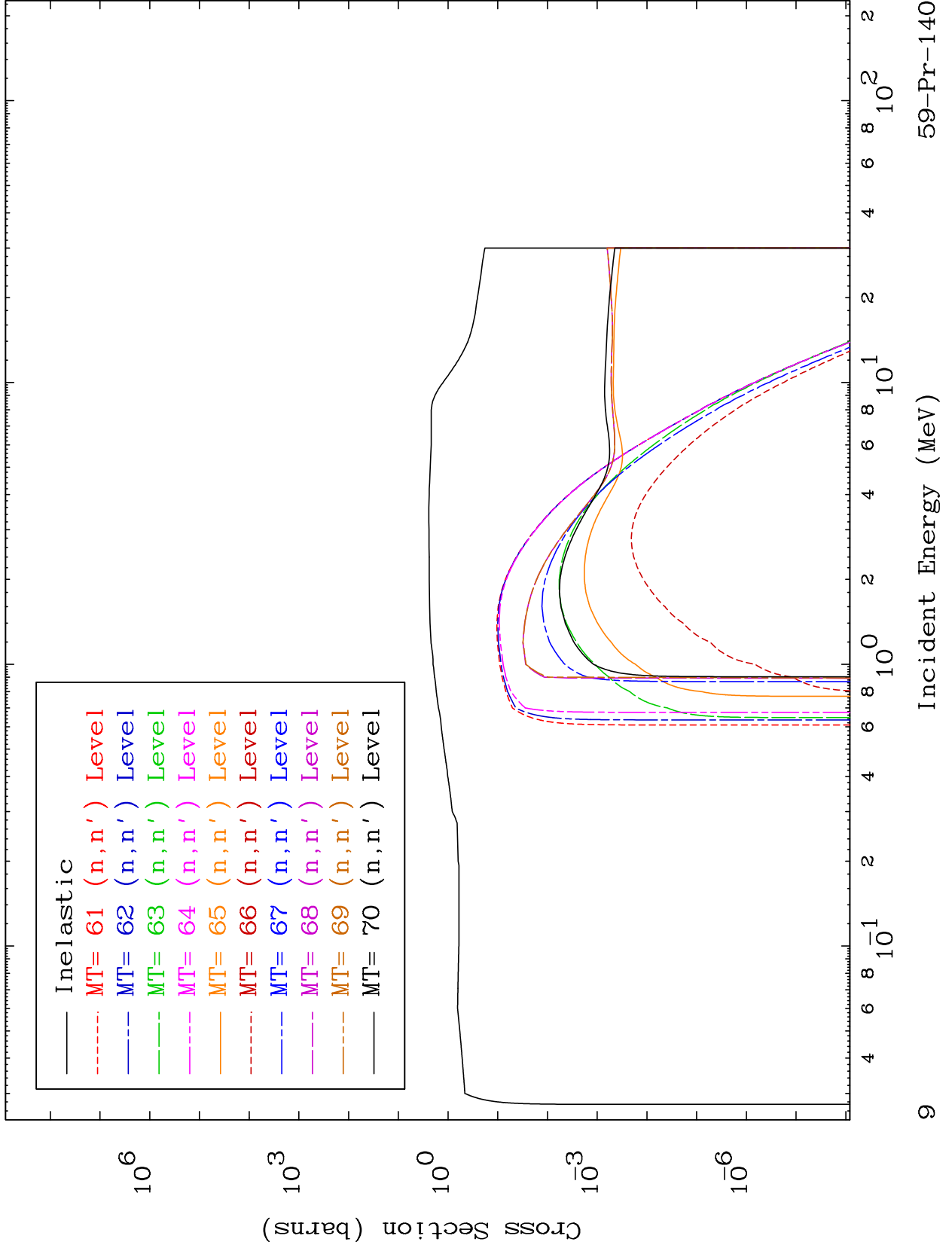
Charged Particle
293 Kelvin Cross Sections

59-Pr-140

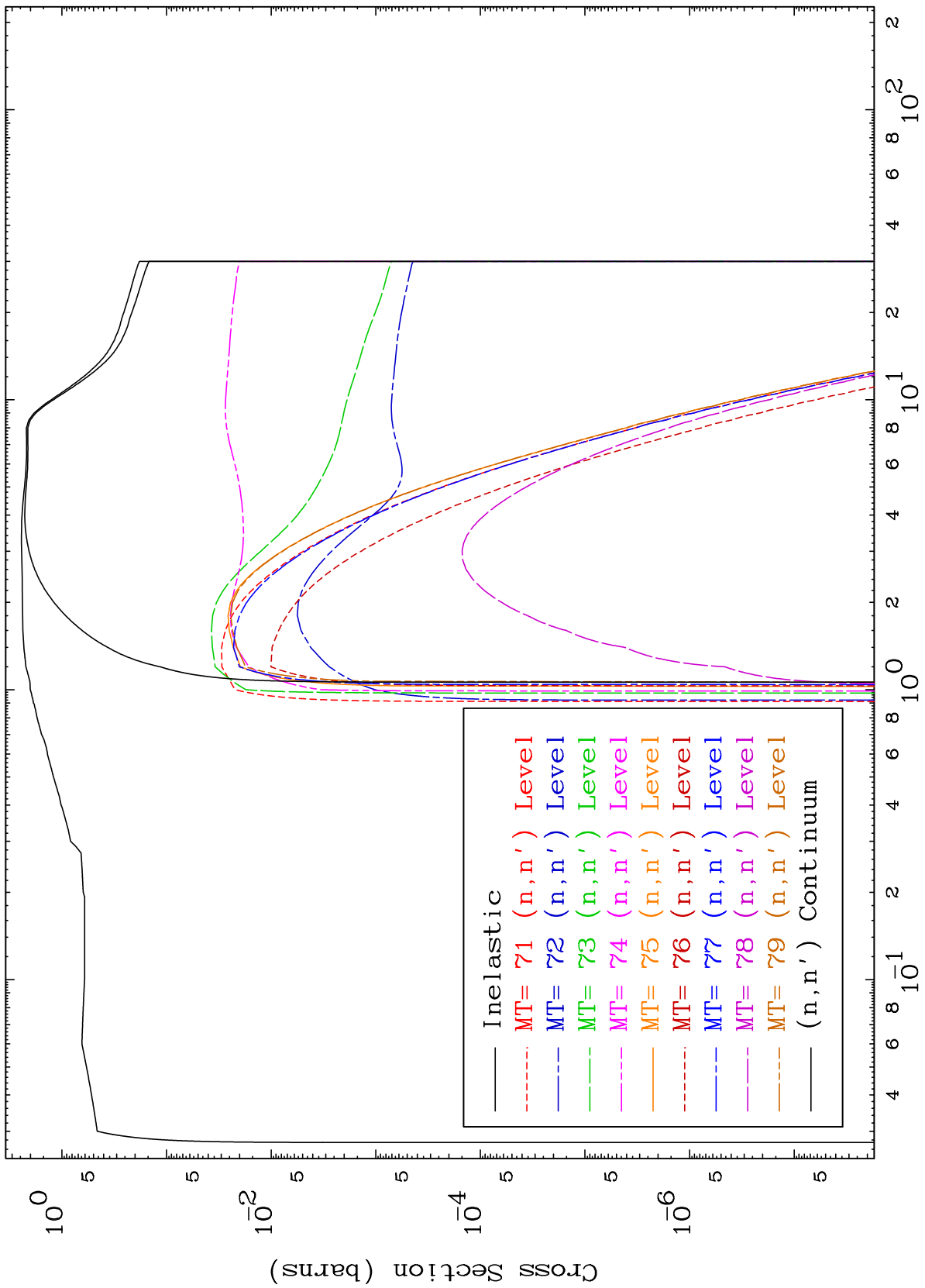








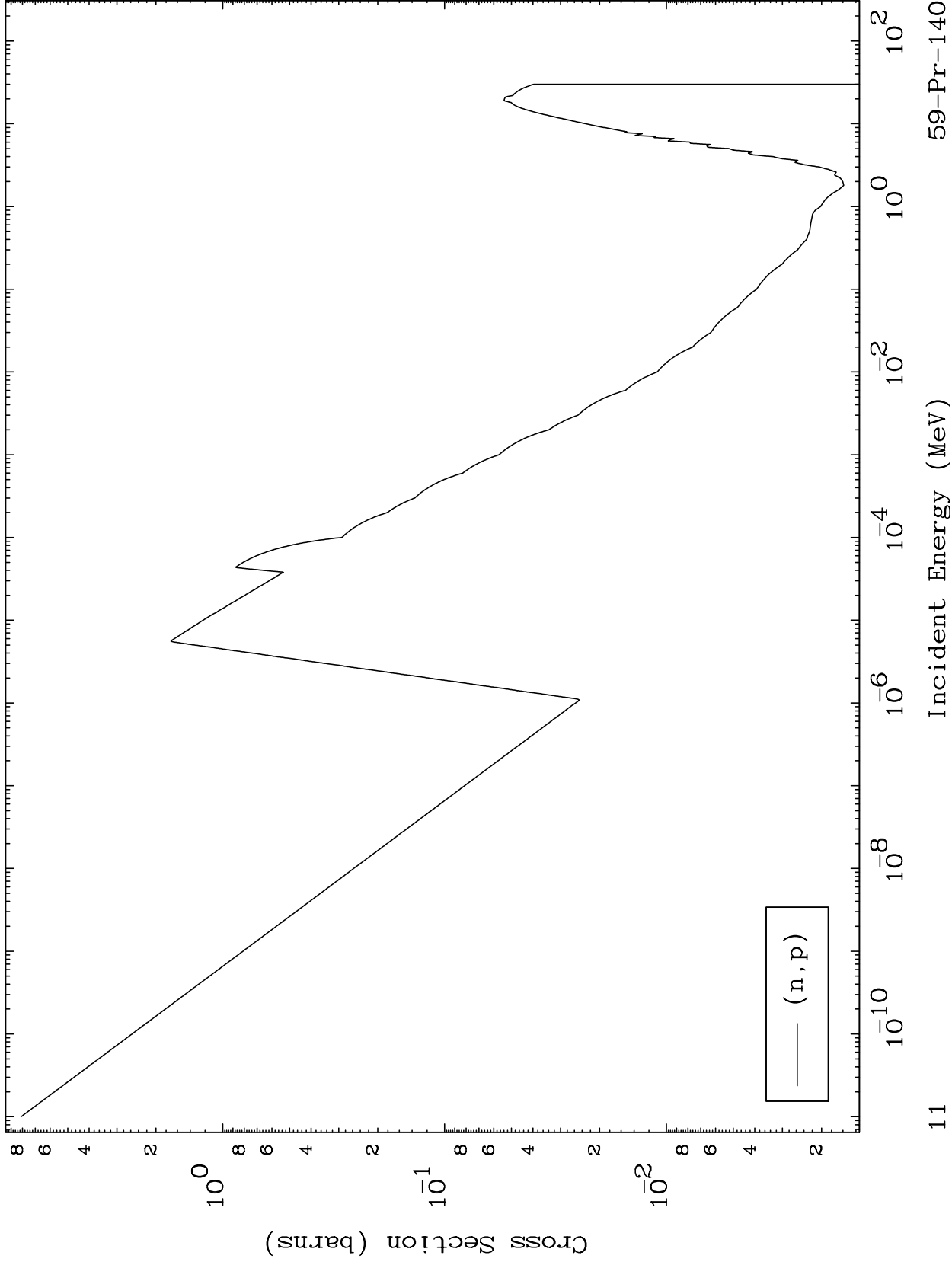
(n,n') Levels
293 Kelvin Cross Sections



MAT 59222

(n,p) Levels
293 Kelvin Cross Sections

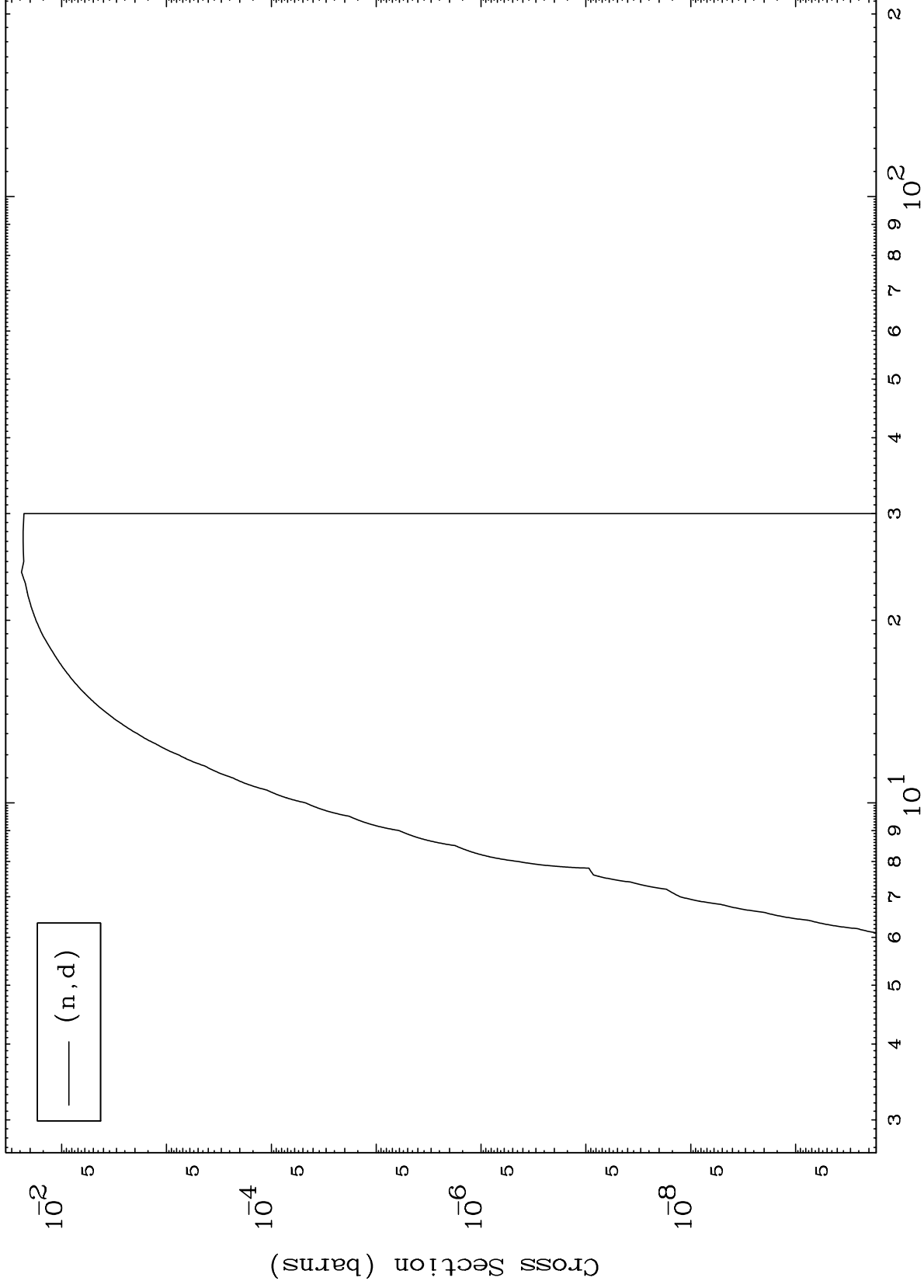
59-Pr-140



MAT 5922

(n,d) Levels
293 Kelvin Cross Sections

59-Pr-140



12

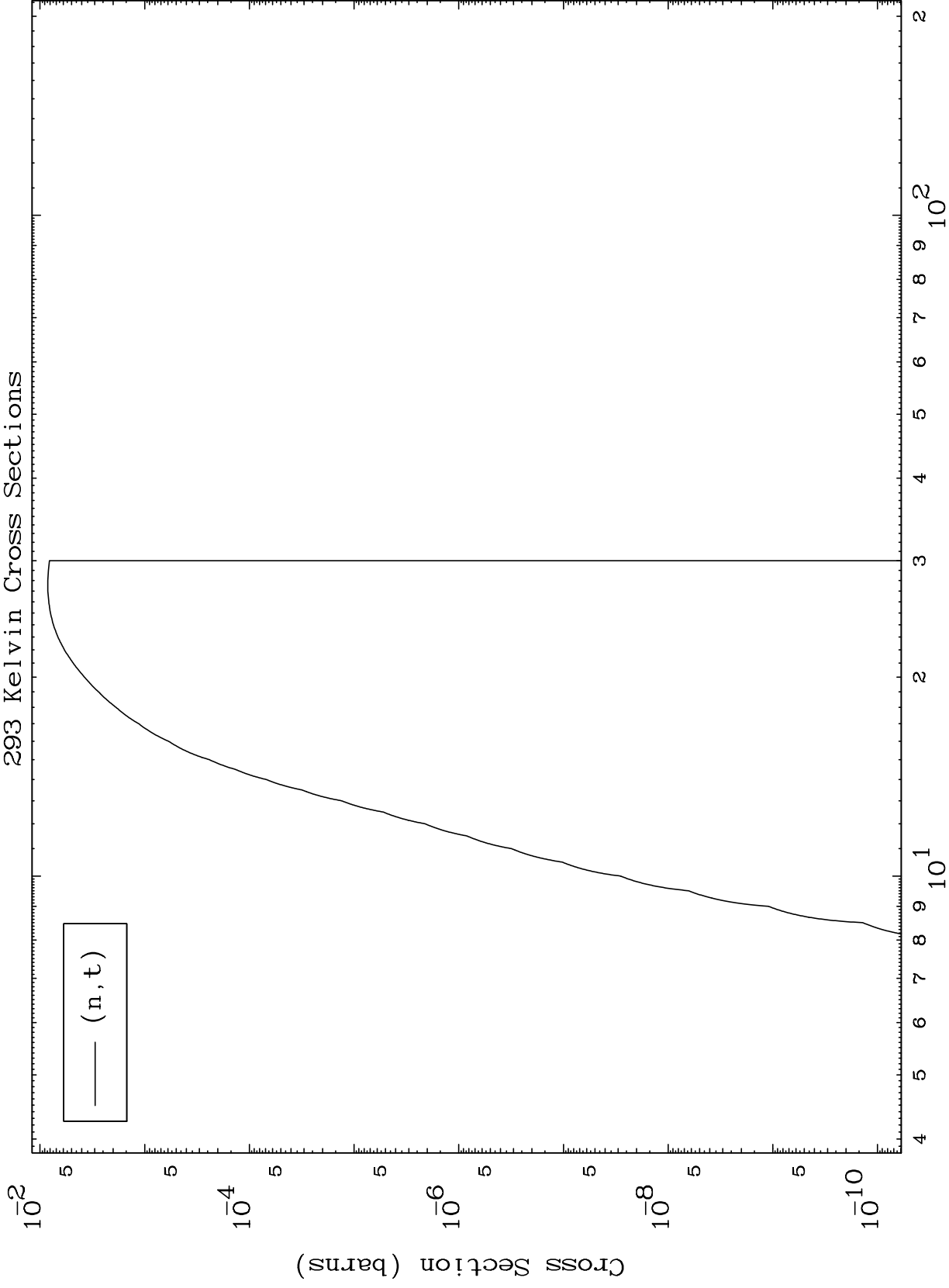
Incident Energy (MeV)

59-Pr-140

MAT 5922

(n,t) Levels
293 Kelvin Cross Sections

59-Pr-140



13

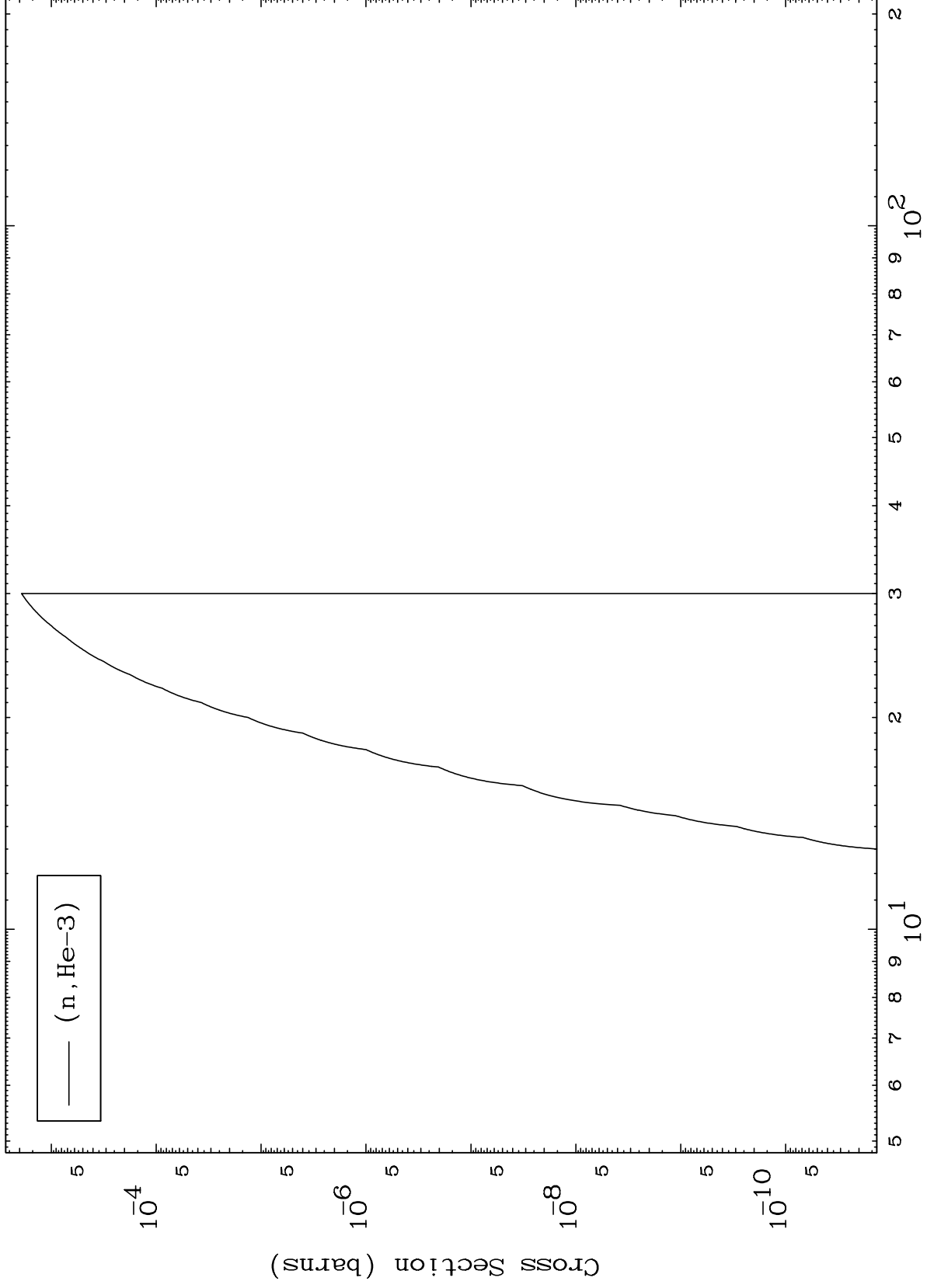
Incident Energy (MeV)

59-Pr-140

MAT 5922

(n,He3) Levels
293 Kelvin Cross Sections

59-Pr-140



14

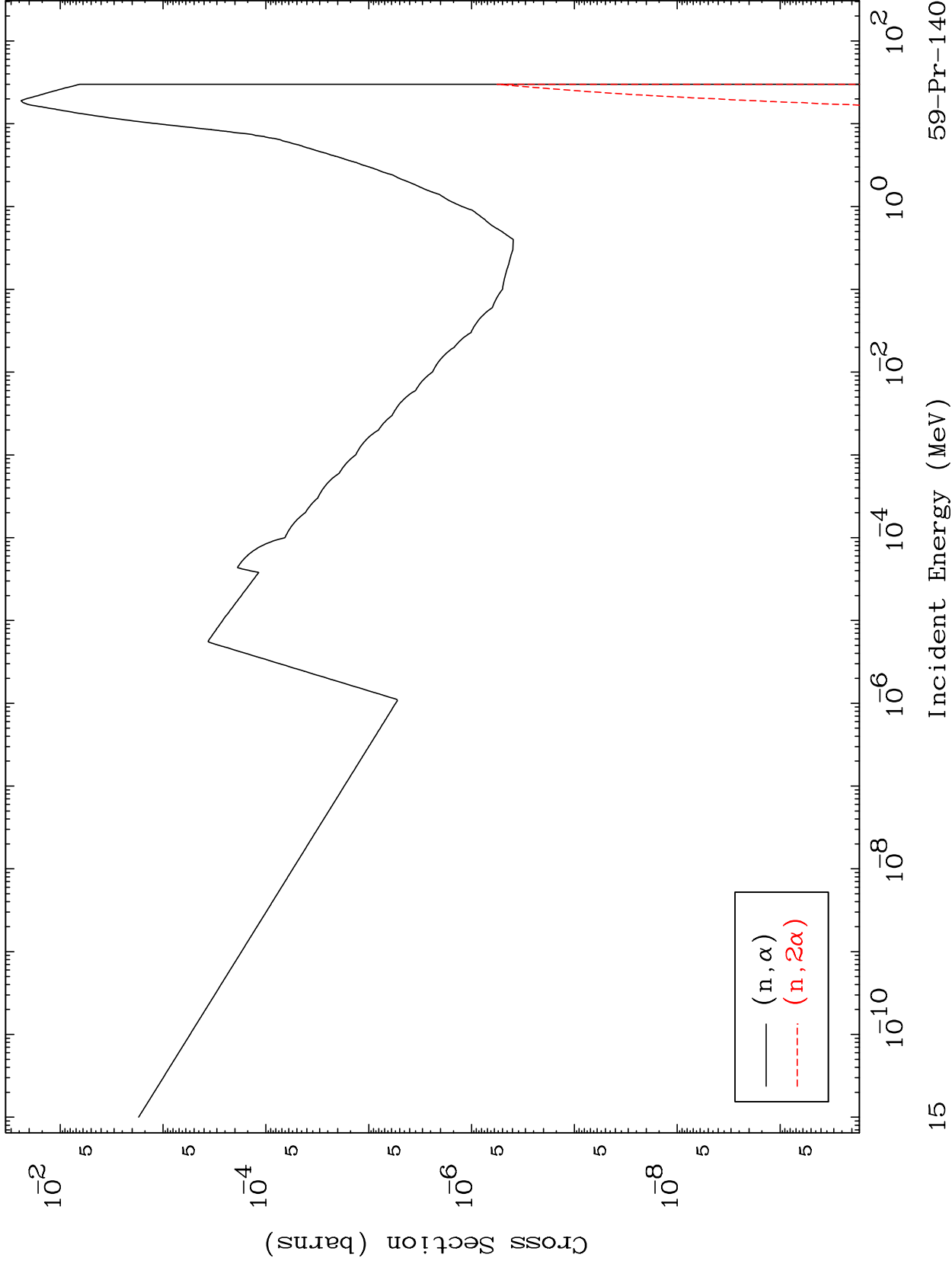
Incident Energy (MeV)

59-Pr-140

MAT 5922

(n, α) Levels
293 Kelvin Cross Sections

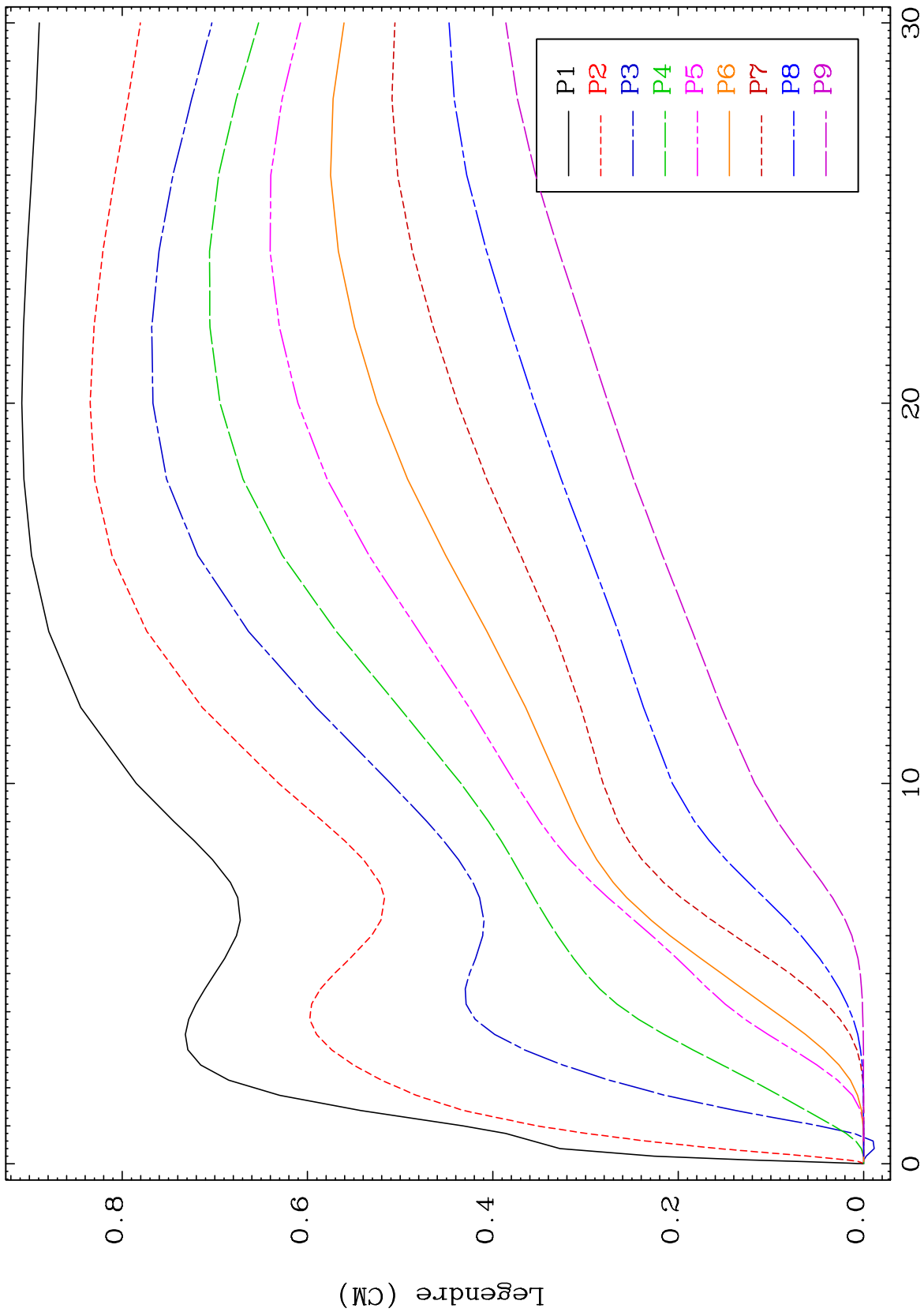
59-Pr-140



MAT 5922

Elastic Legendre Coefficients

59-Pr-140



16

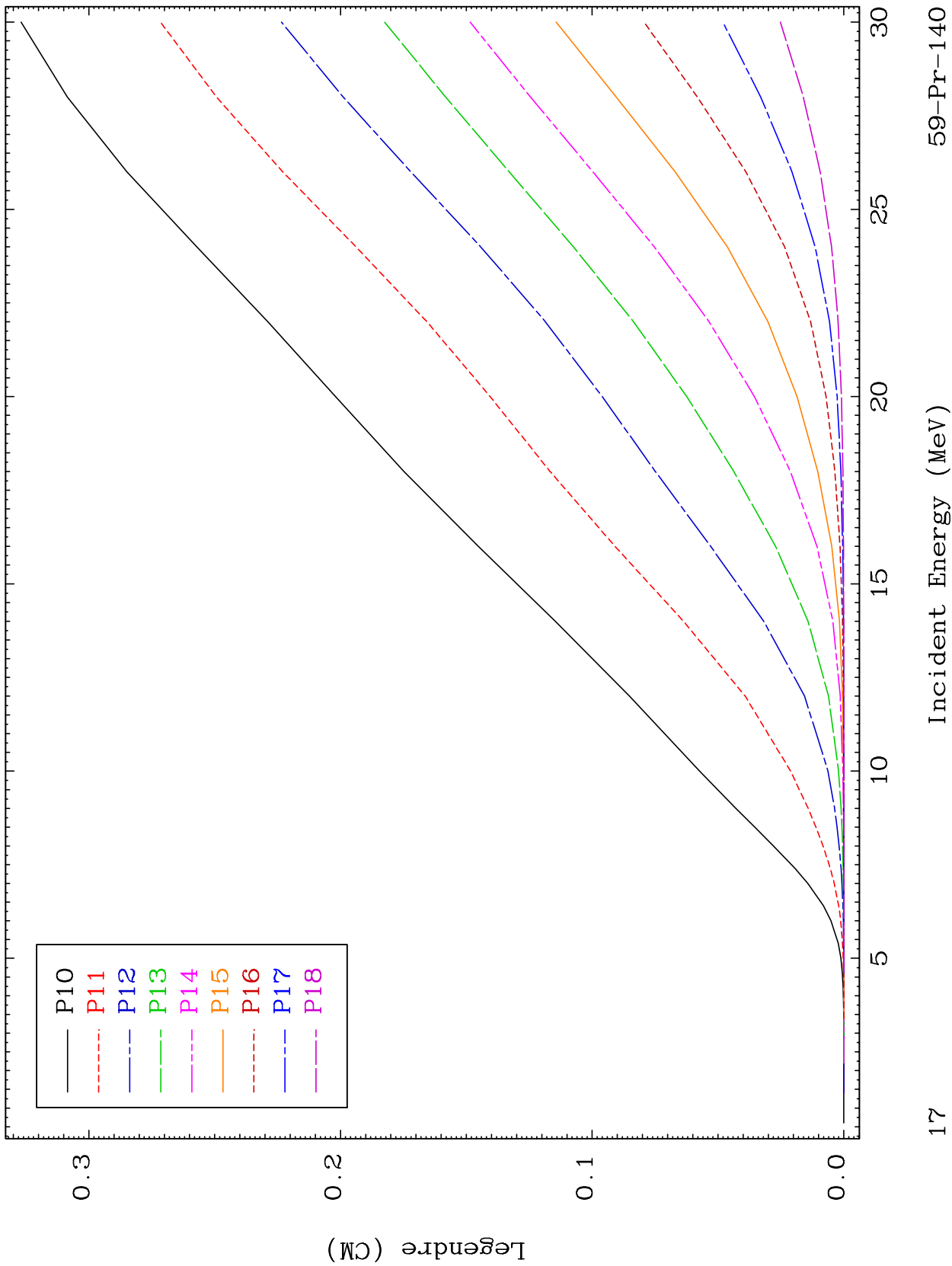
Incident Energy (MeV)

59-Pr-140

MAT 5922

Elastic Legendre Coefficients

59-Pr-140

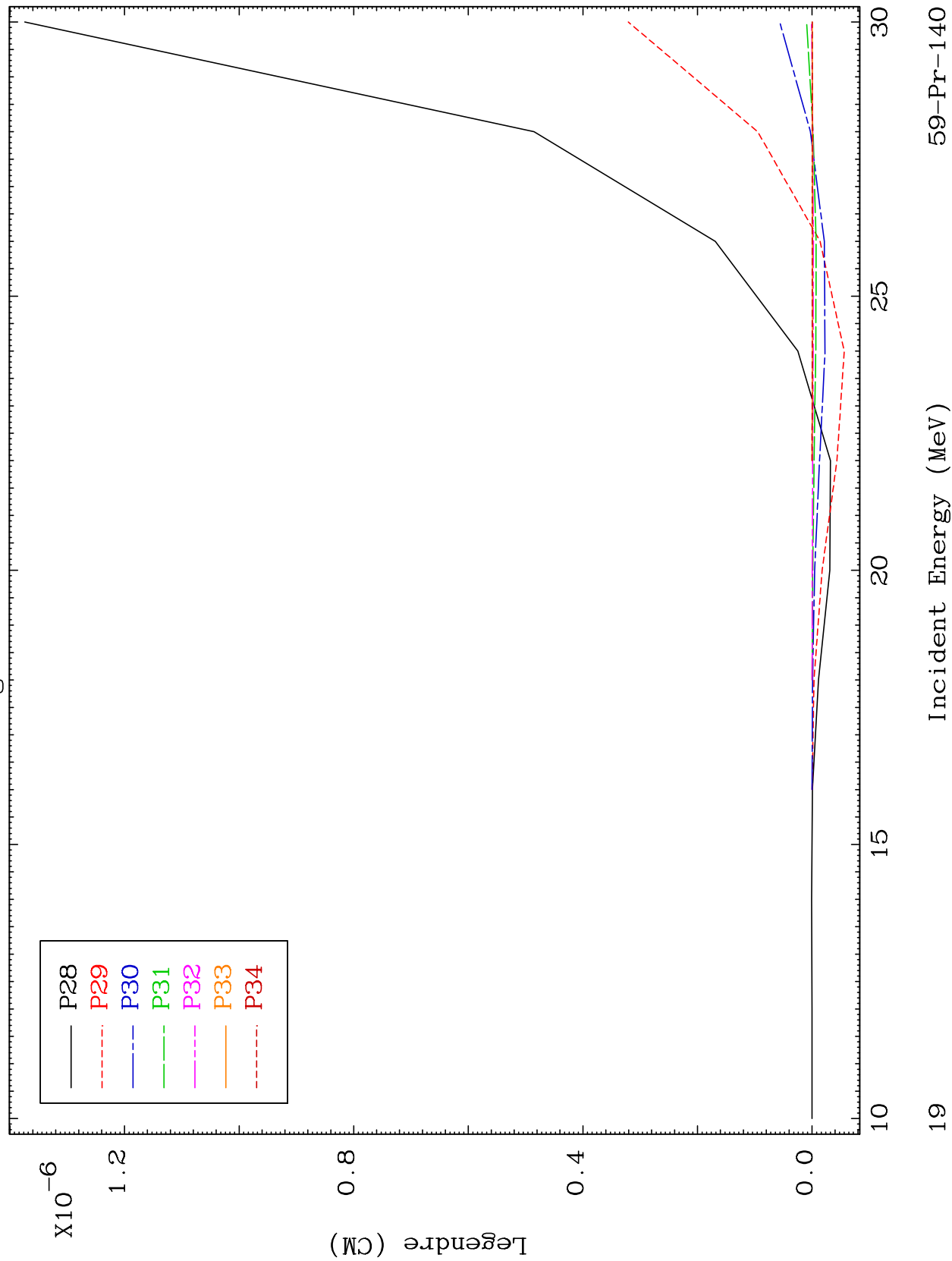


17

MAT 5922

Elastic
Legendre Coefficients

59-Pr-140



19

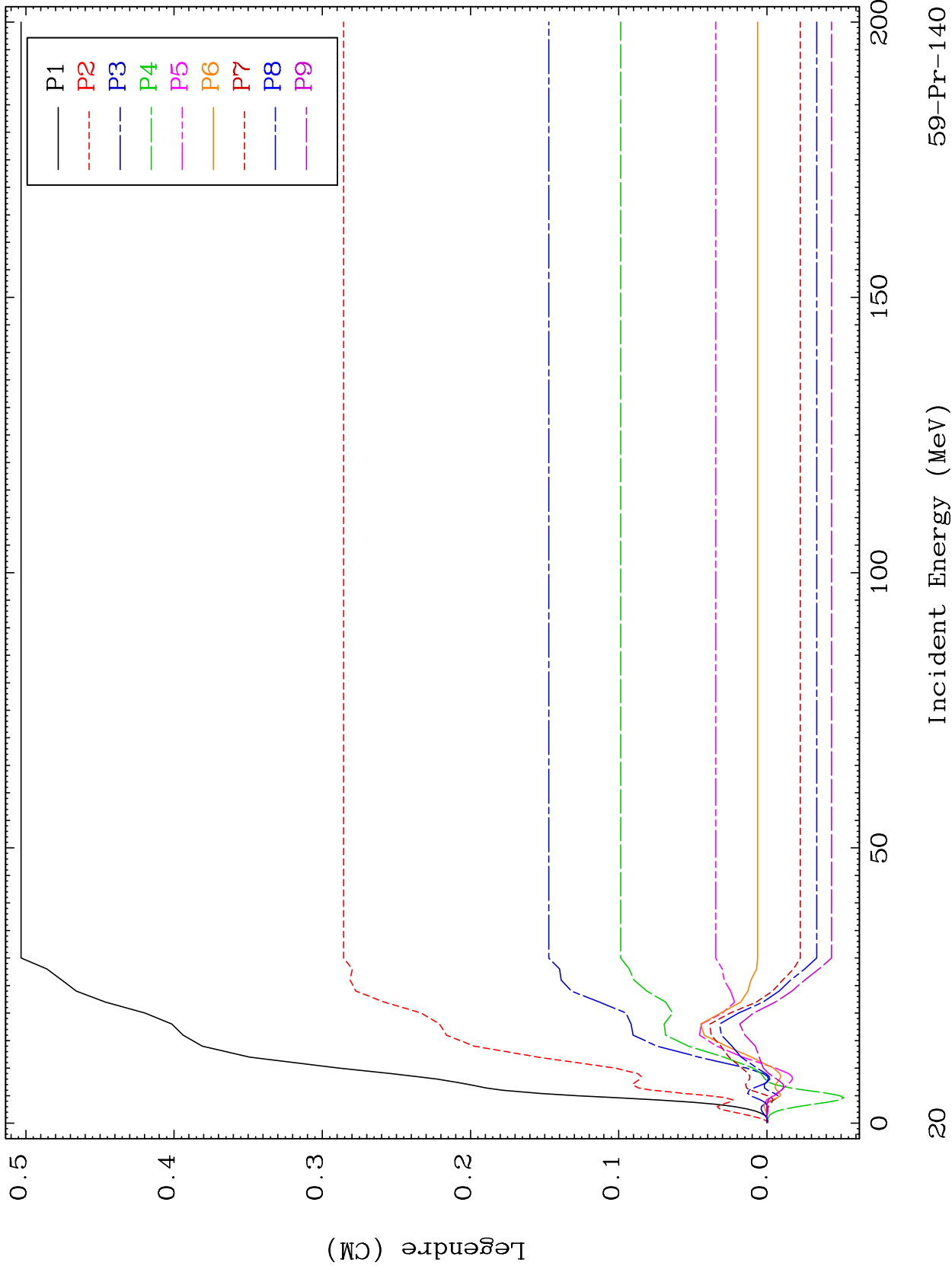
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140

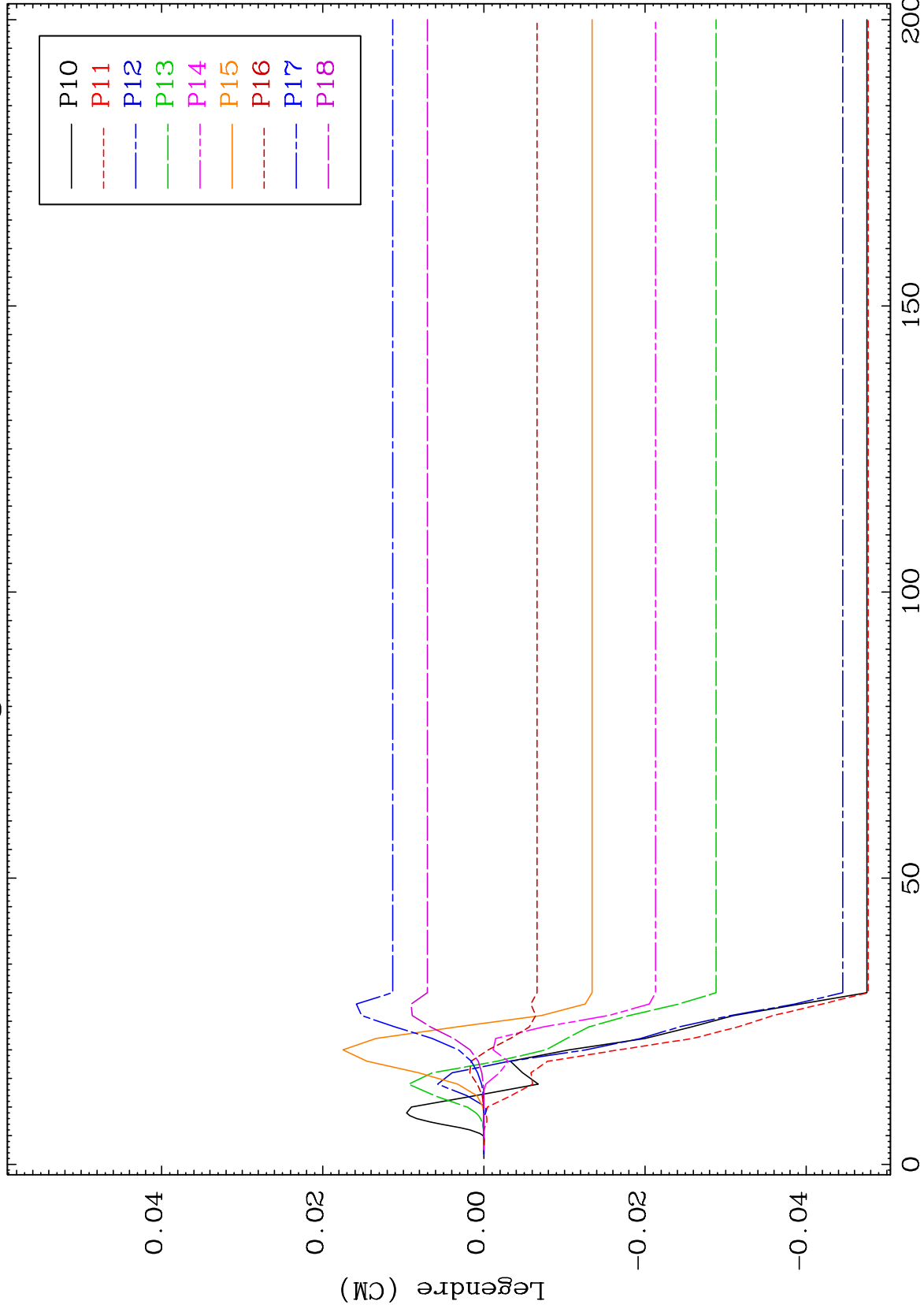


59-Pr-140

MAT 5922

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

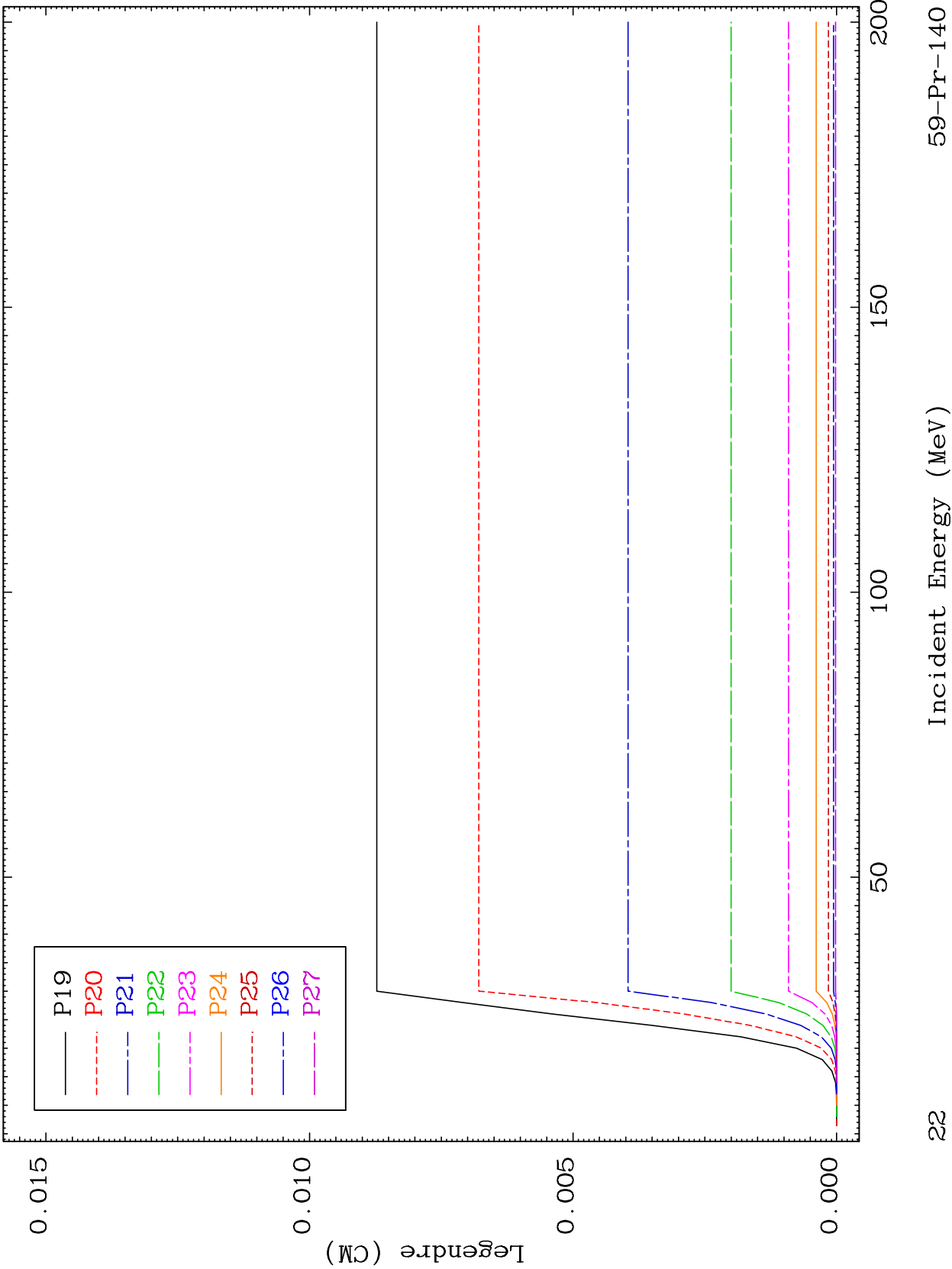
59-Pr-140



21

Incident Energy (MeV)

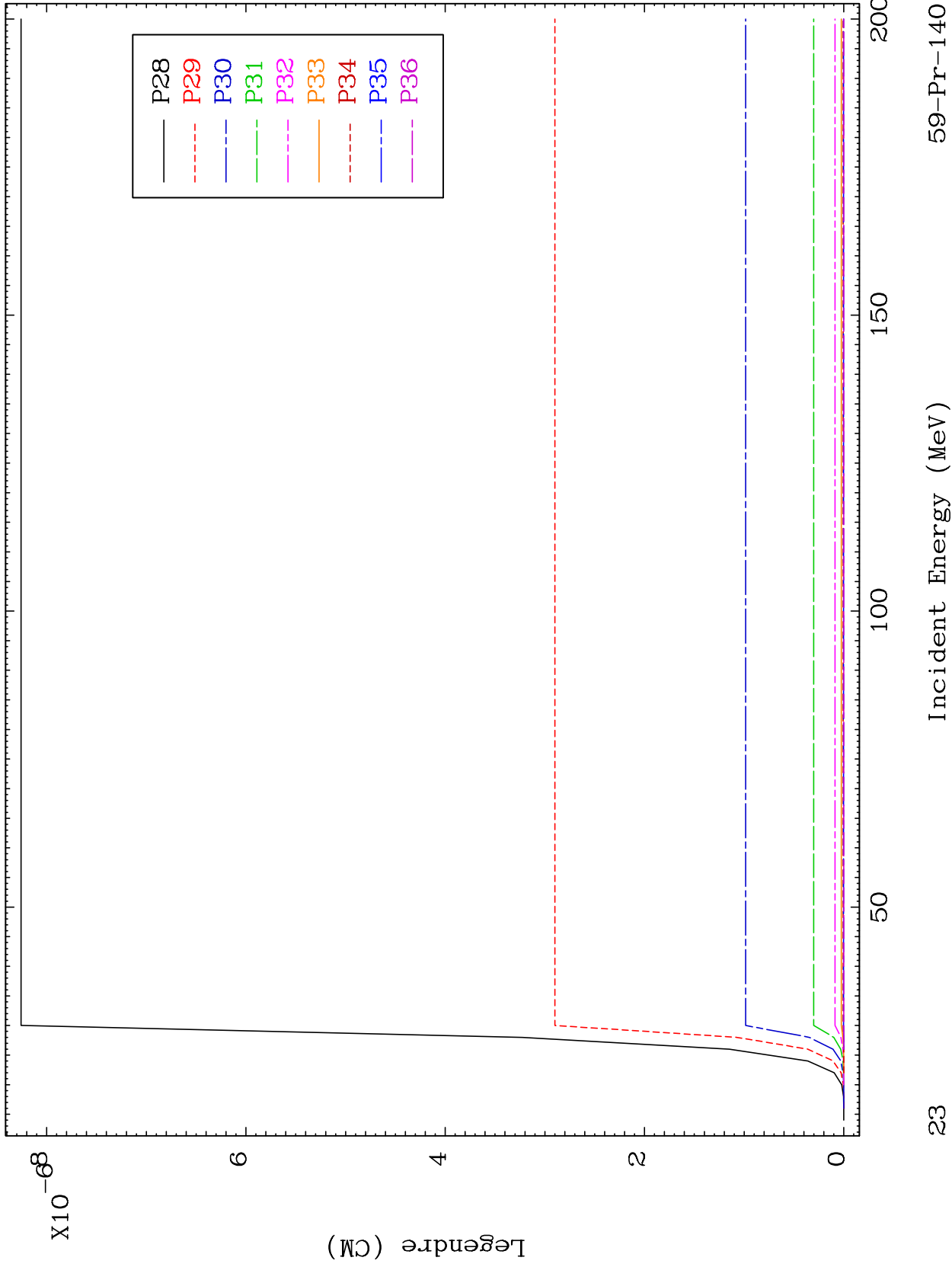
59-Pr-140



MAT 5922

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

59-Pr-140



23

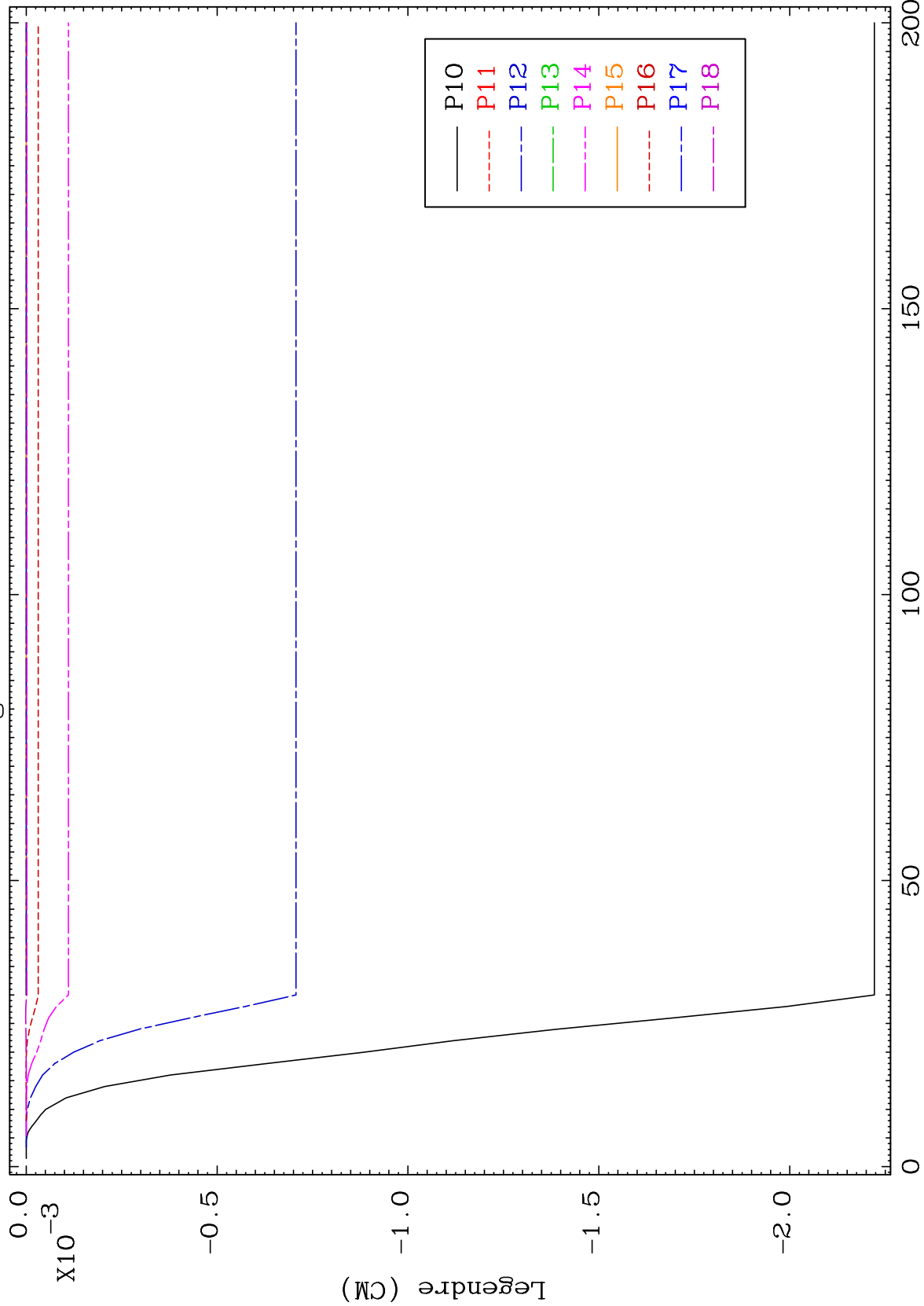
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

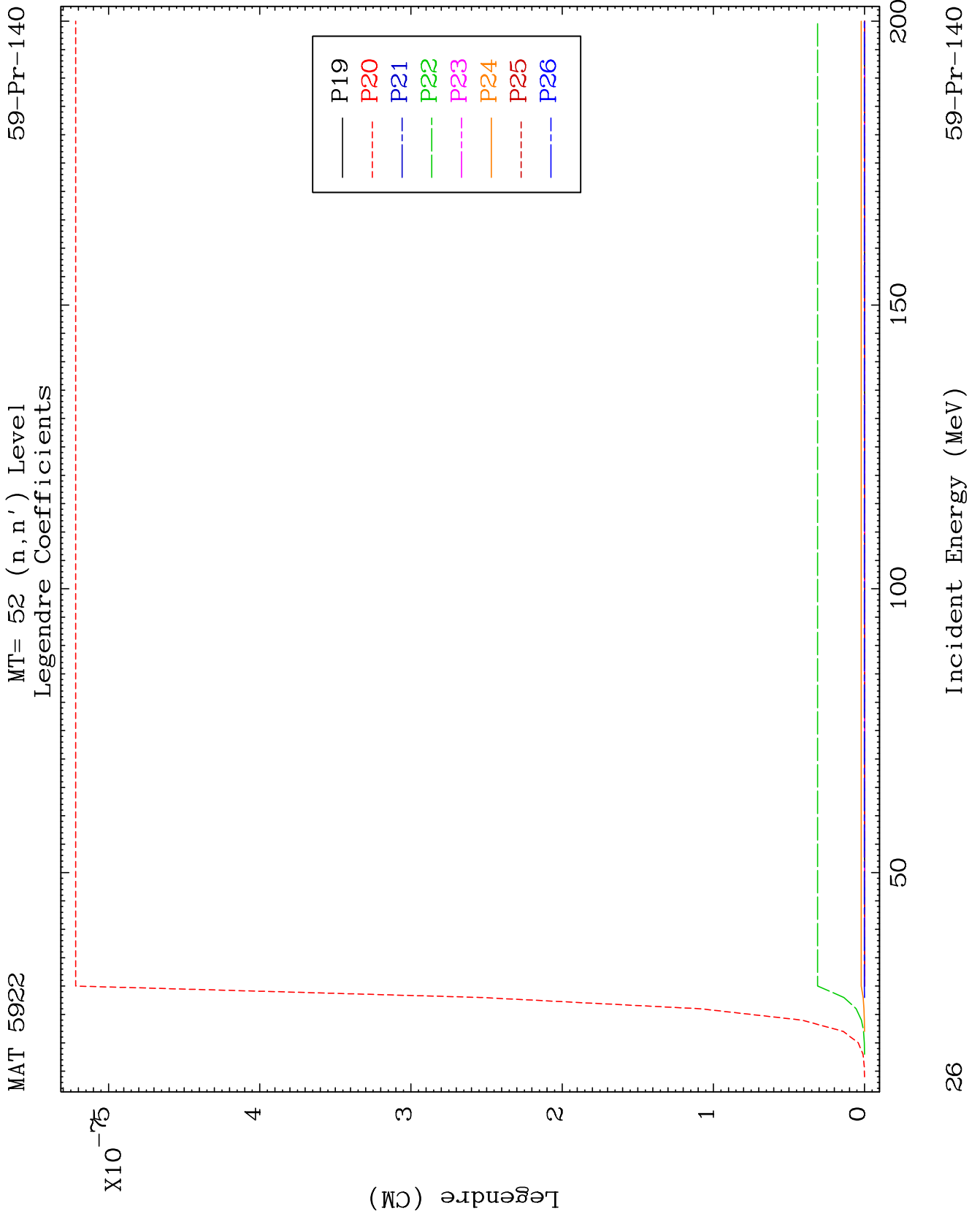
59-Pr-140



25

Incident Energy (MeV)

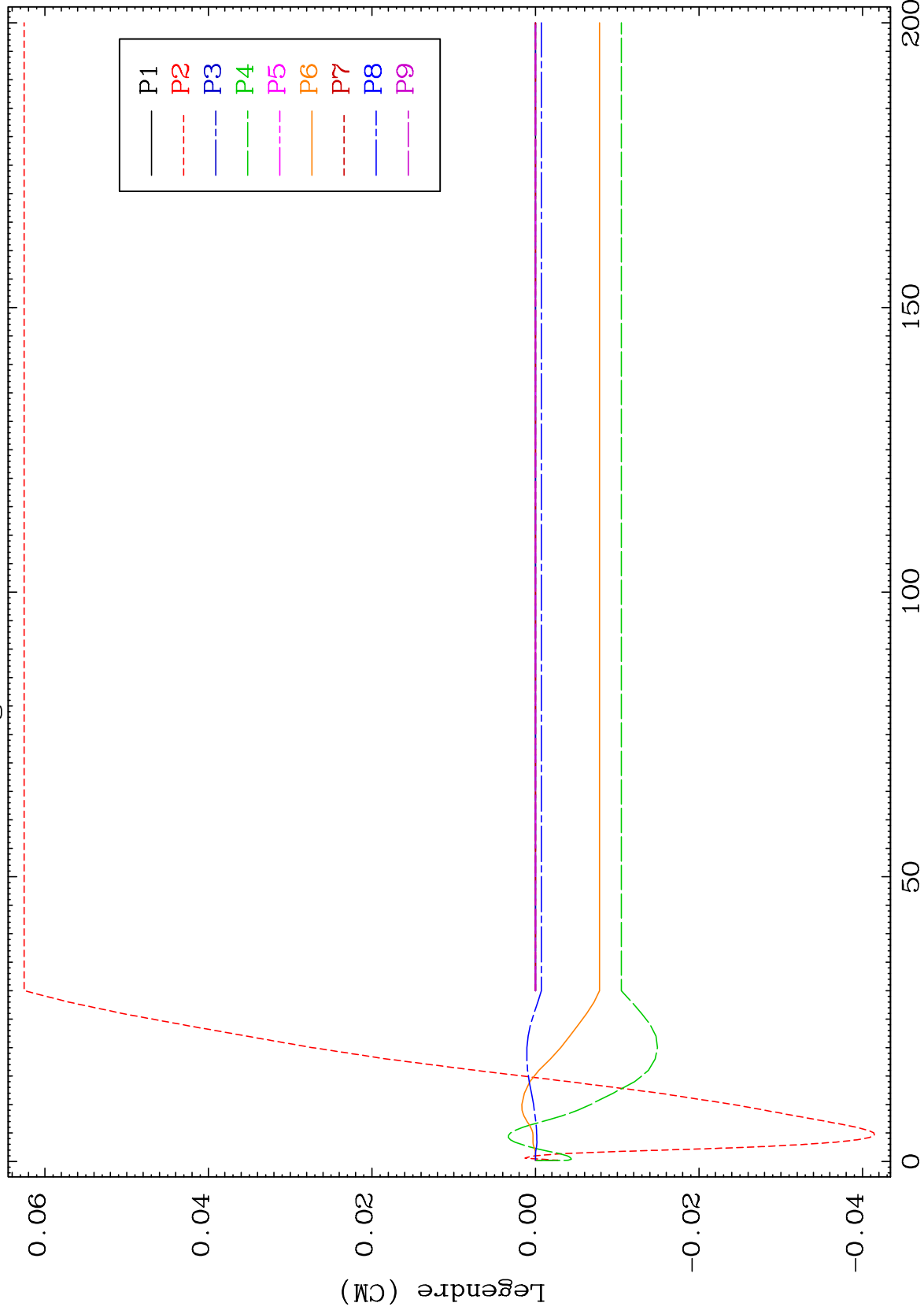
59-Pr-140



MAT 5922

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

59-Pr-140



59-Pr-140

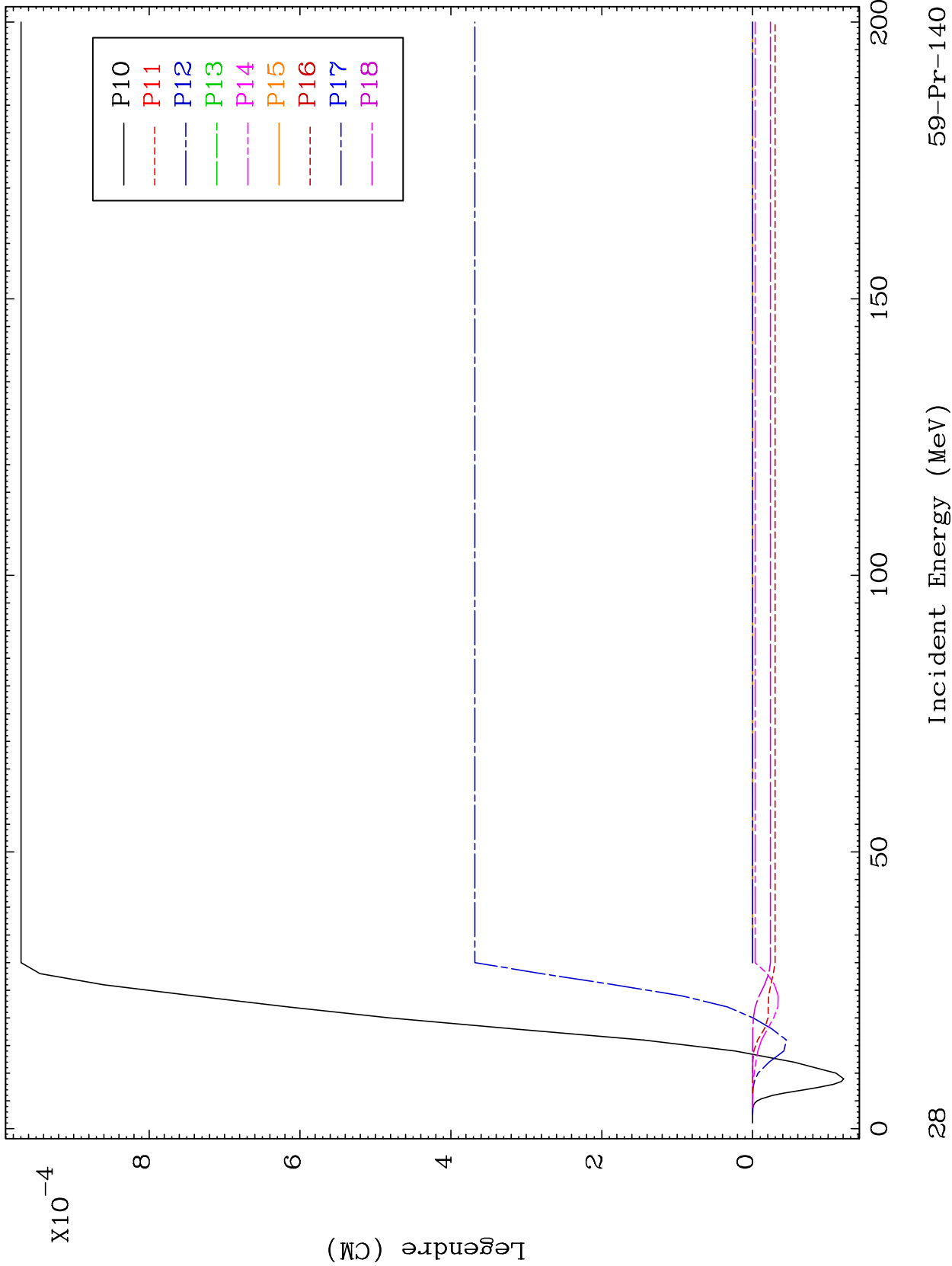
Incident Energy (MeV)

27

MAT 5922

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

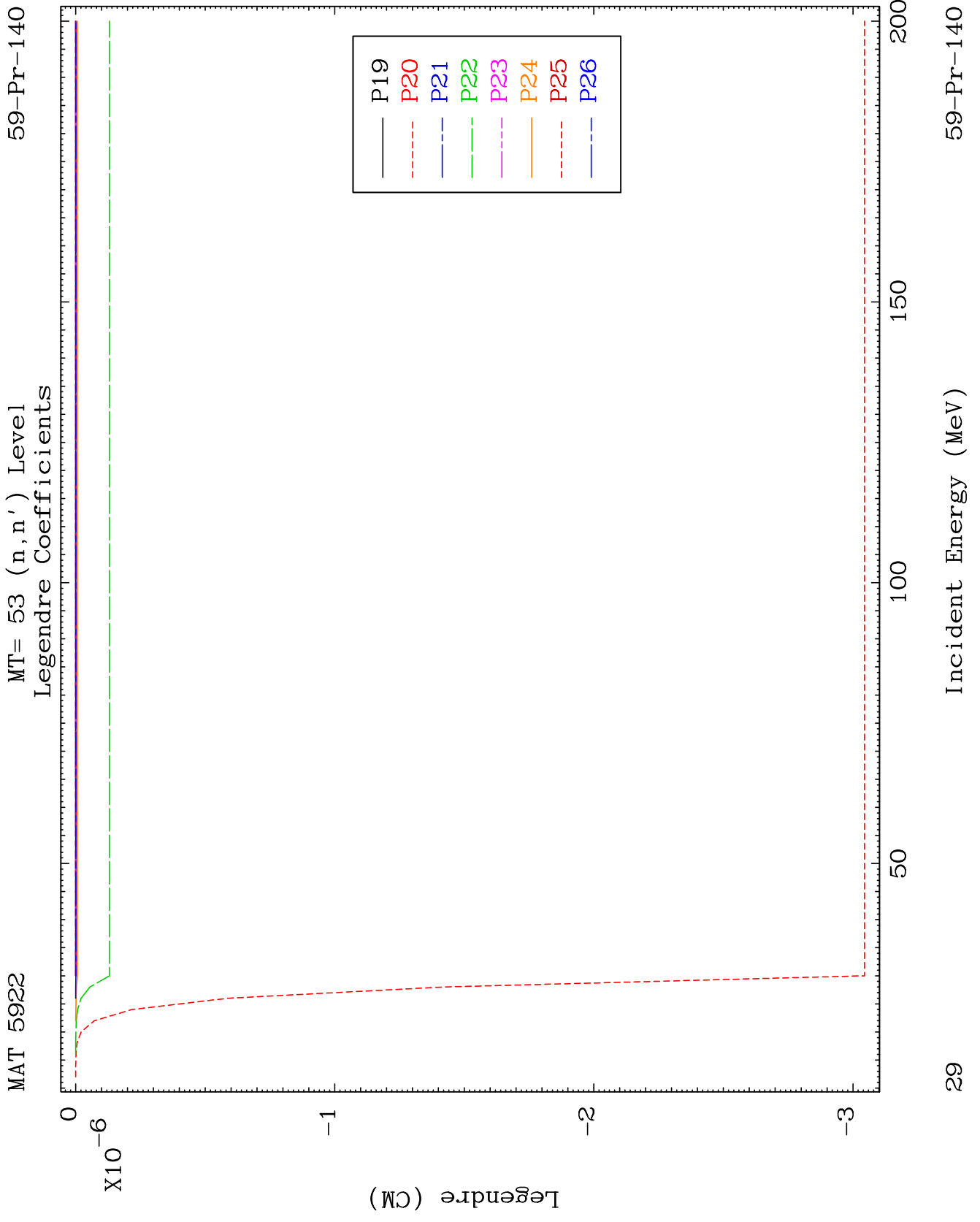
59-Pr-140

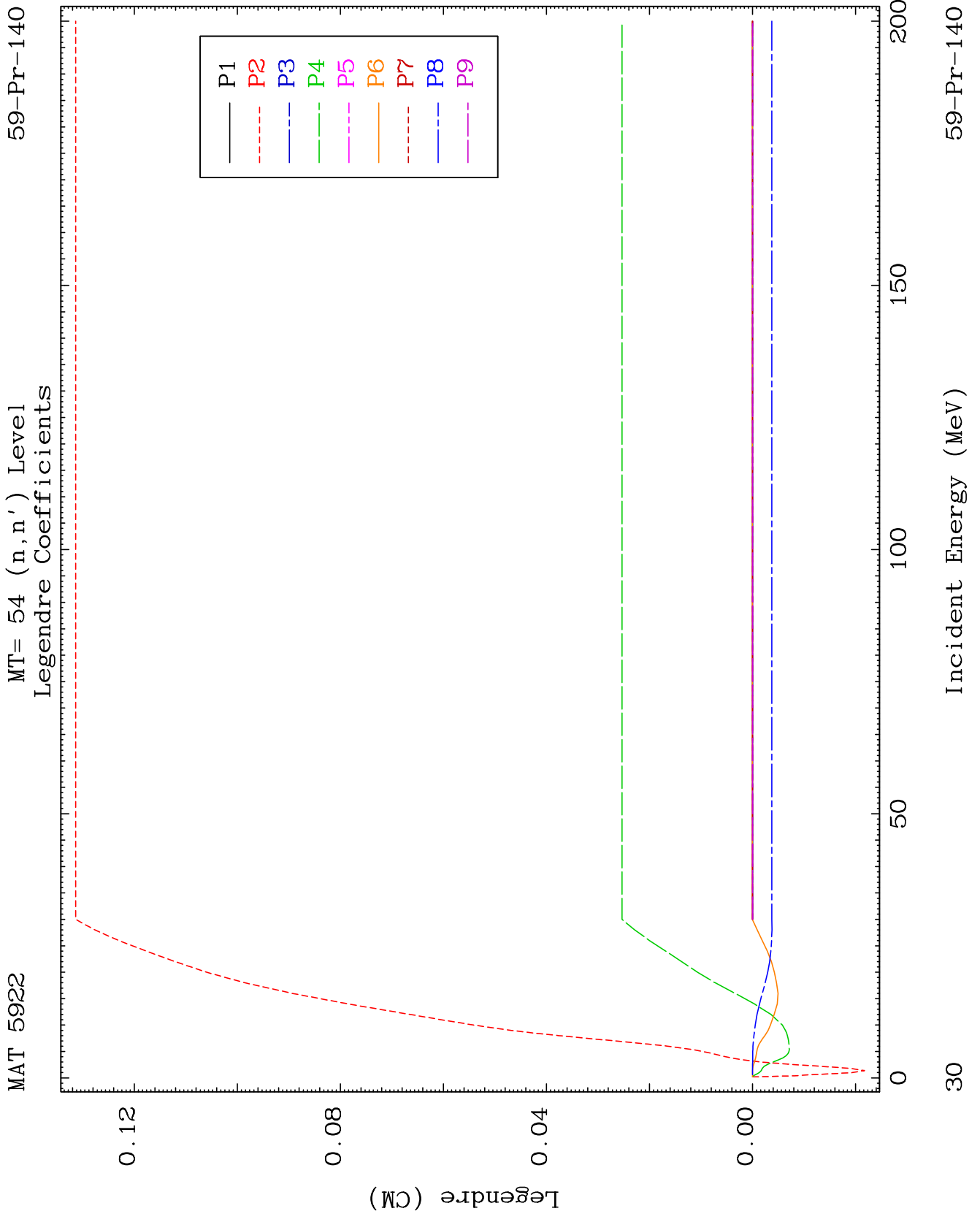


28

Incident Energy (MeV)

59-Pr-140

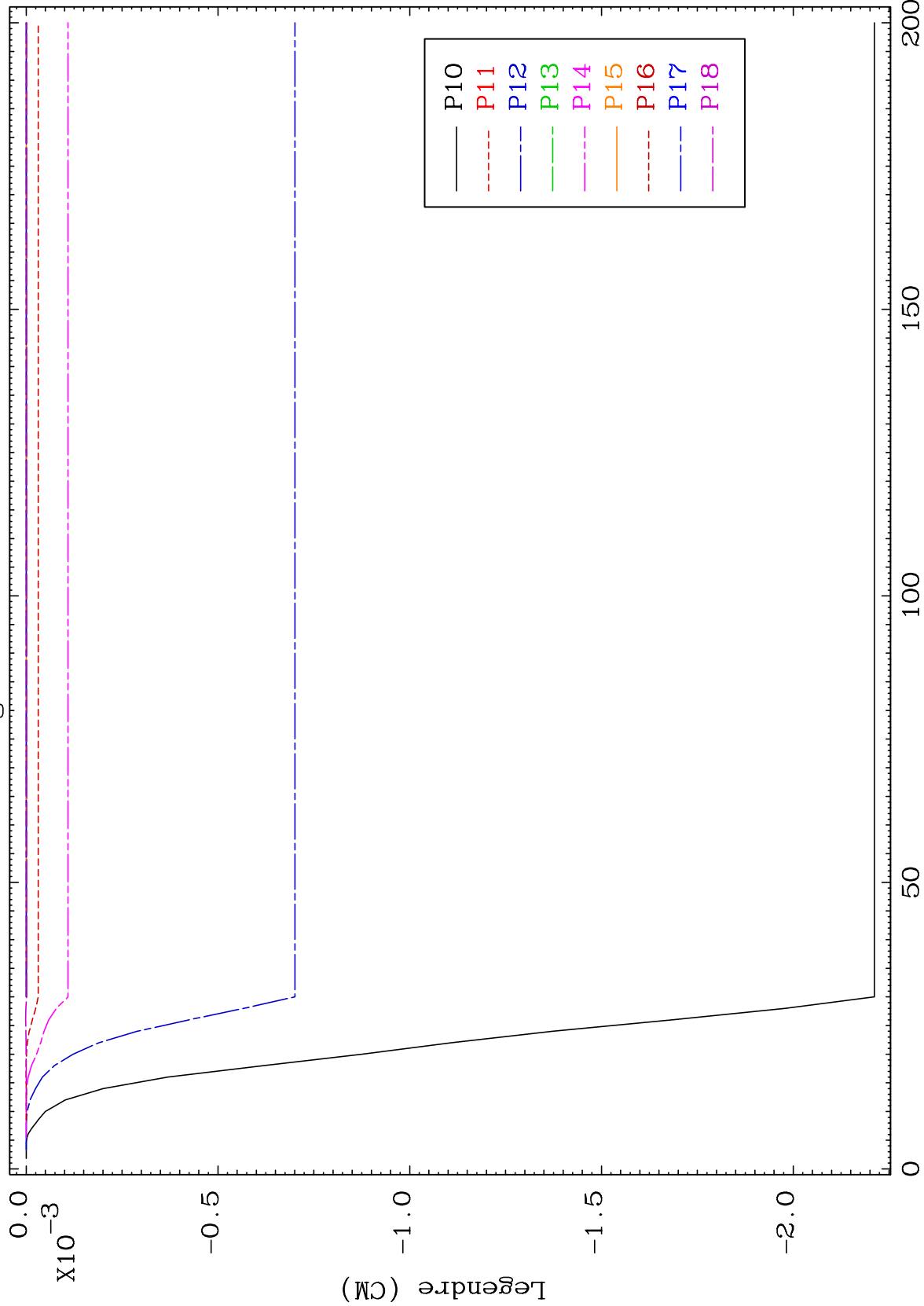




MAT 5922

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

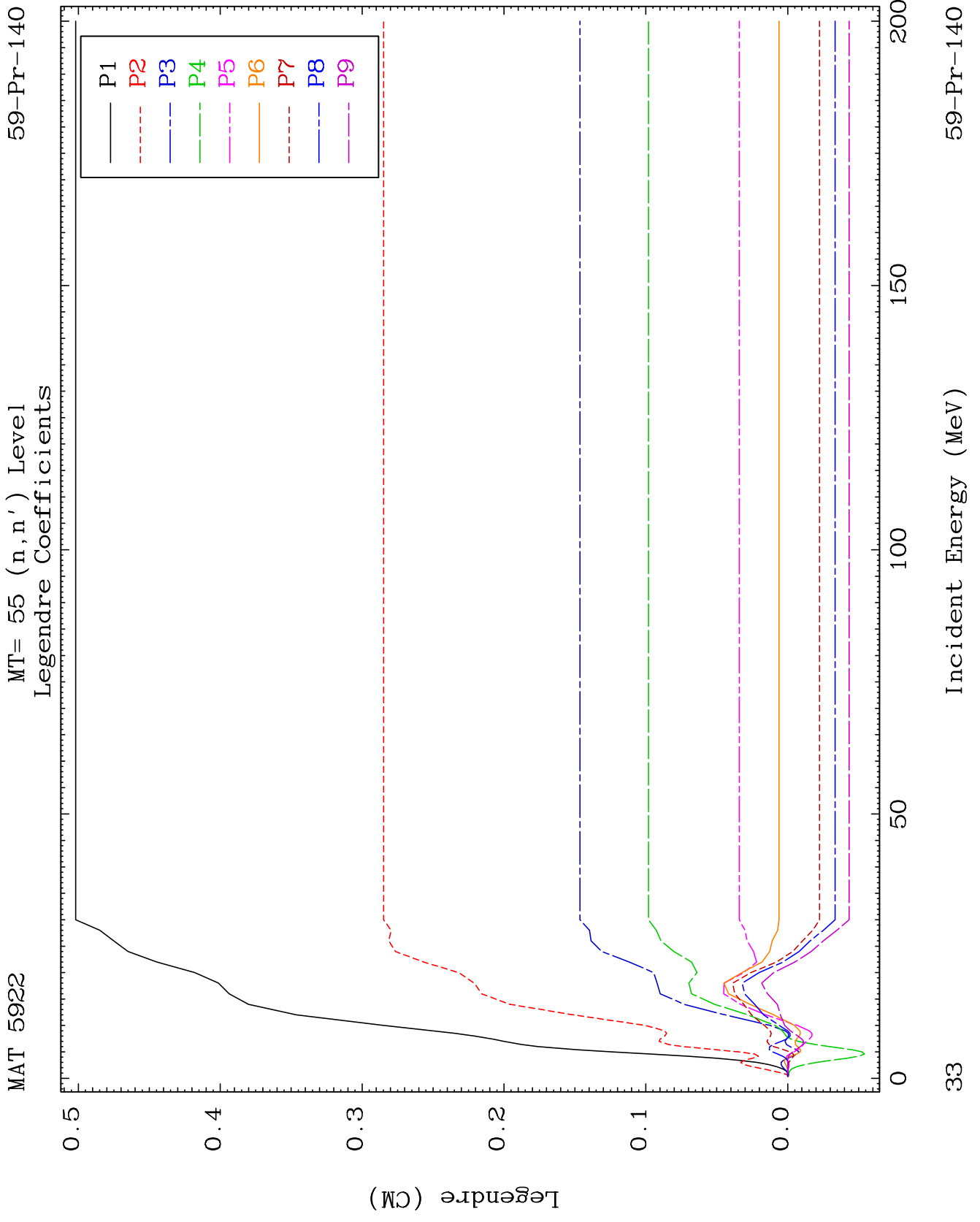
59-Pr-140



31

Incident Energy (MeV)

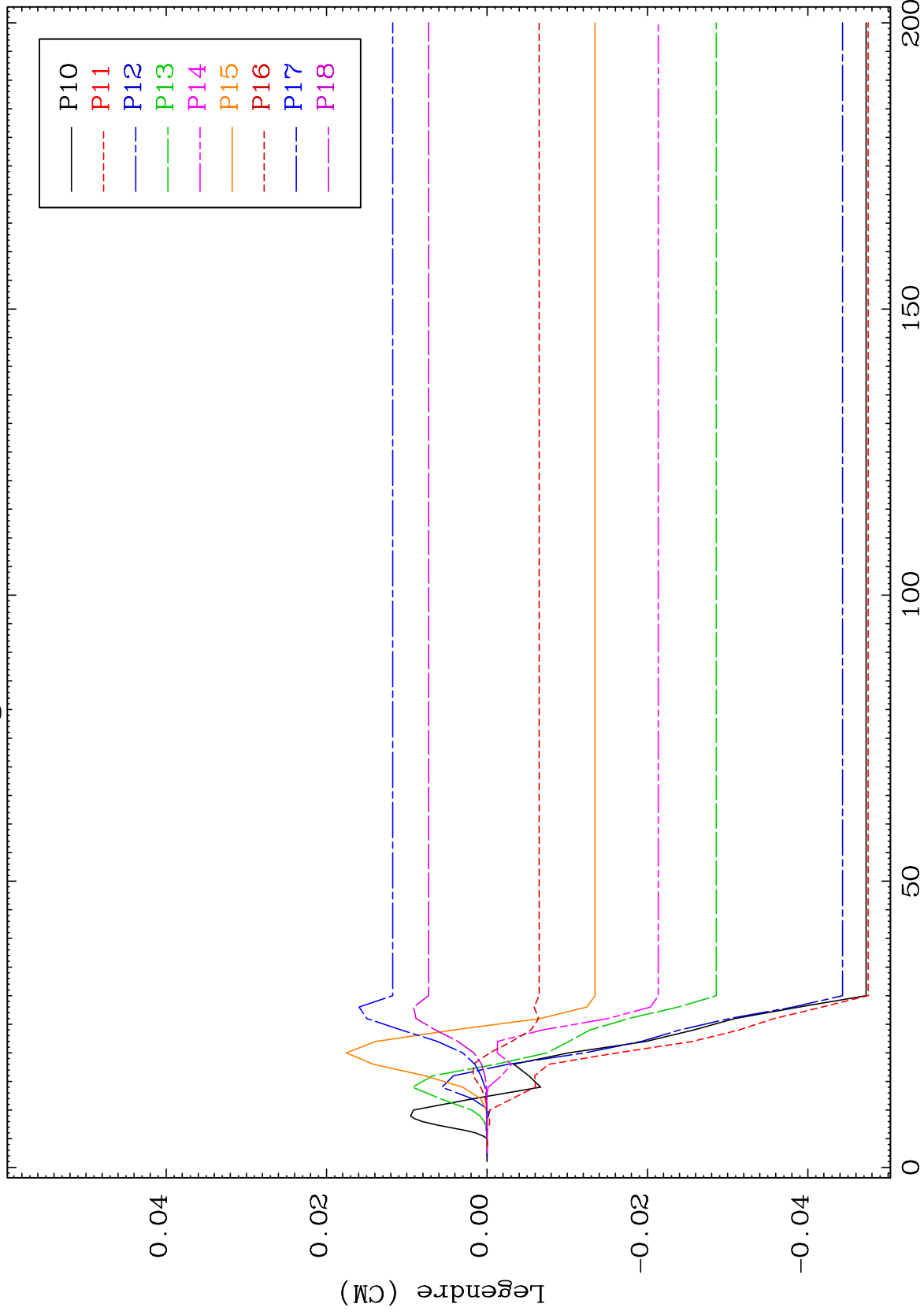
59-Pr-140



MAT 5922

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

59-Pr-140



34

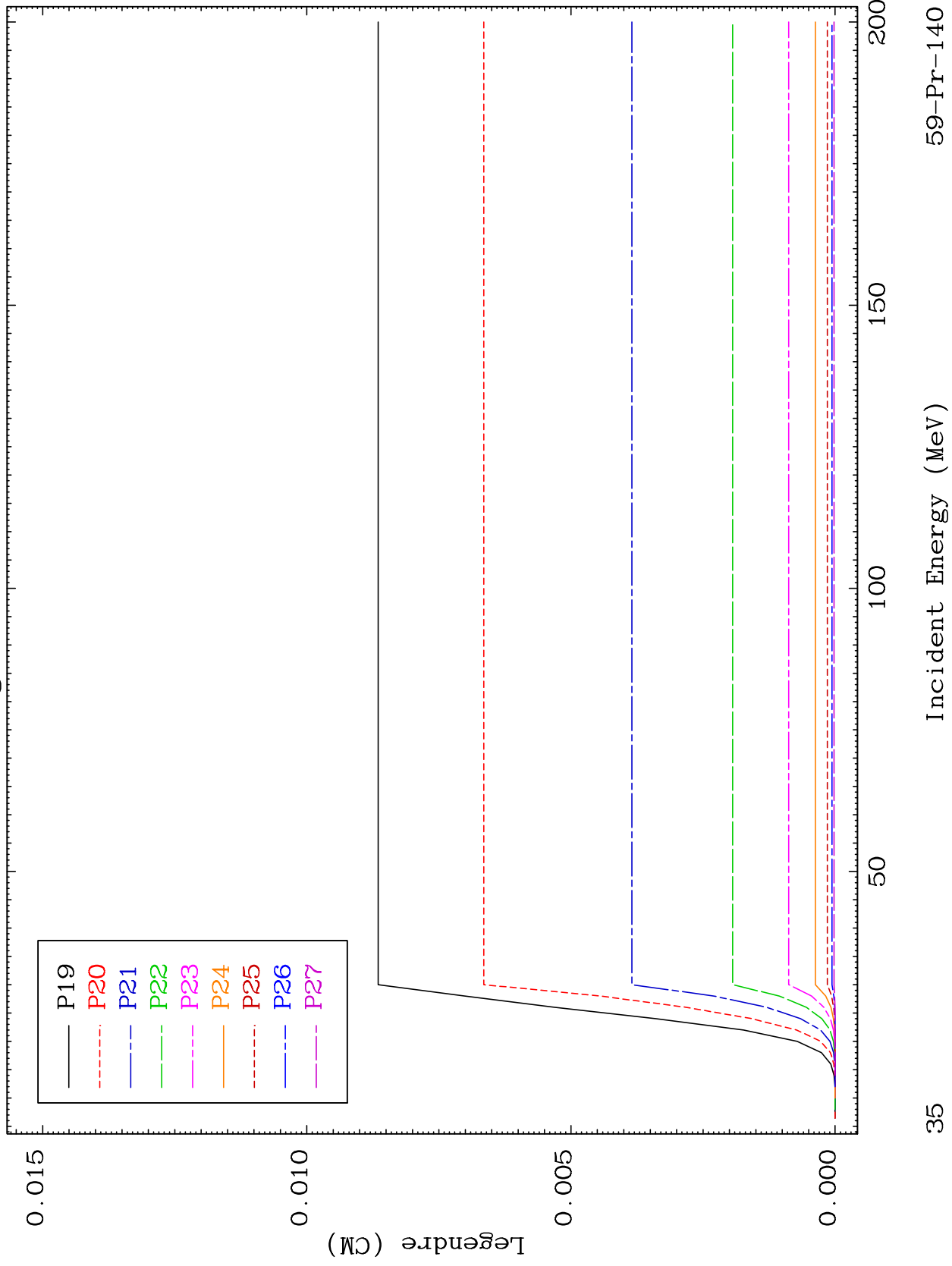
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



35

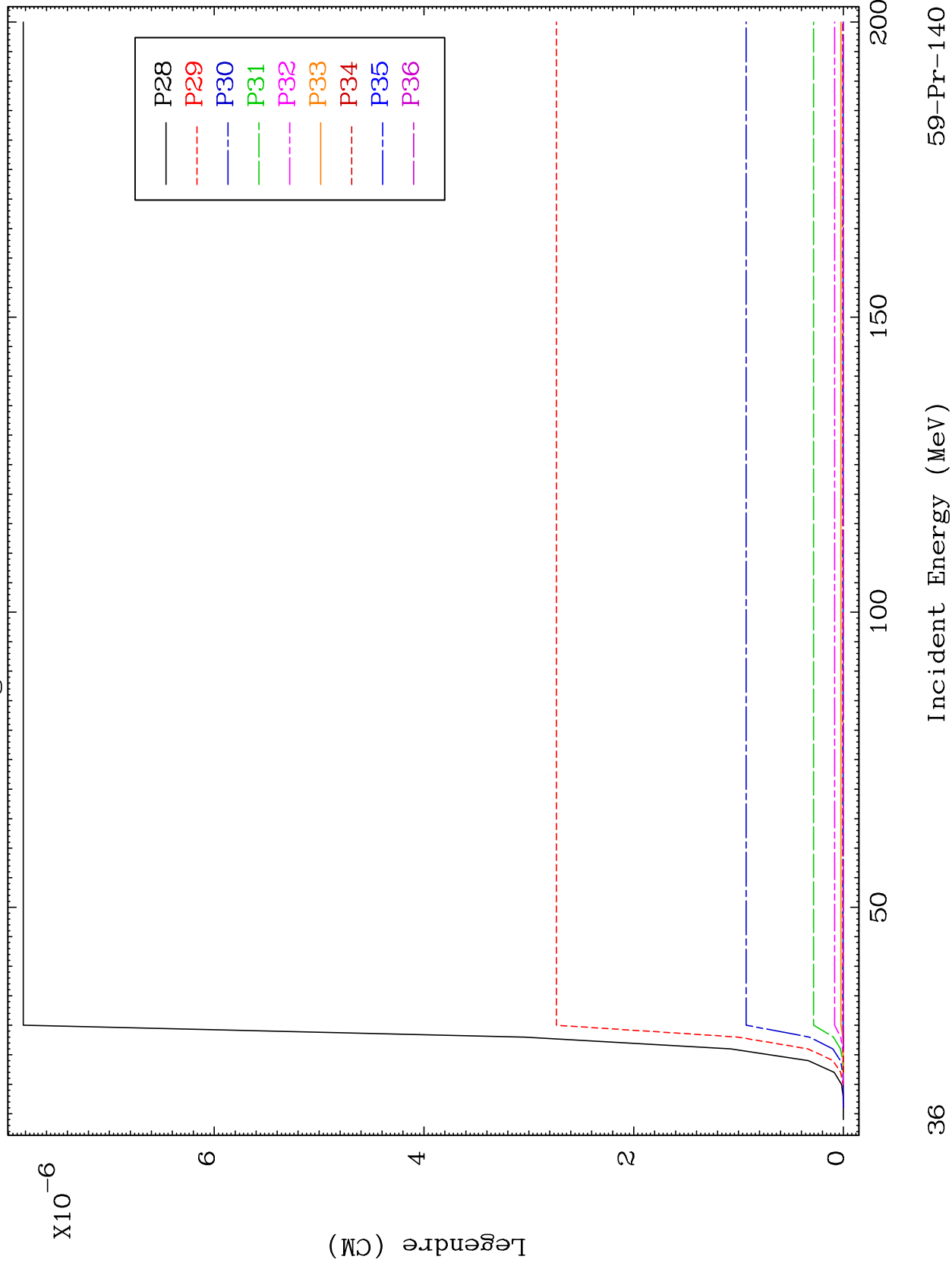
Incident Energy (MeV)

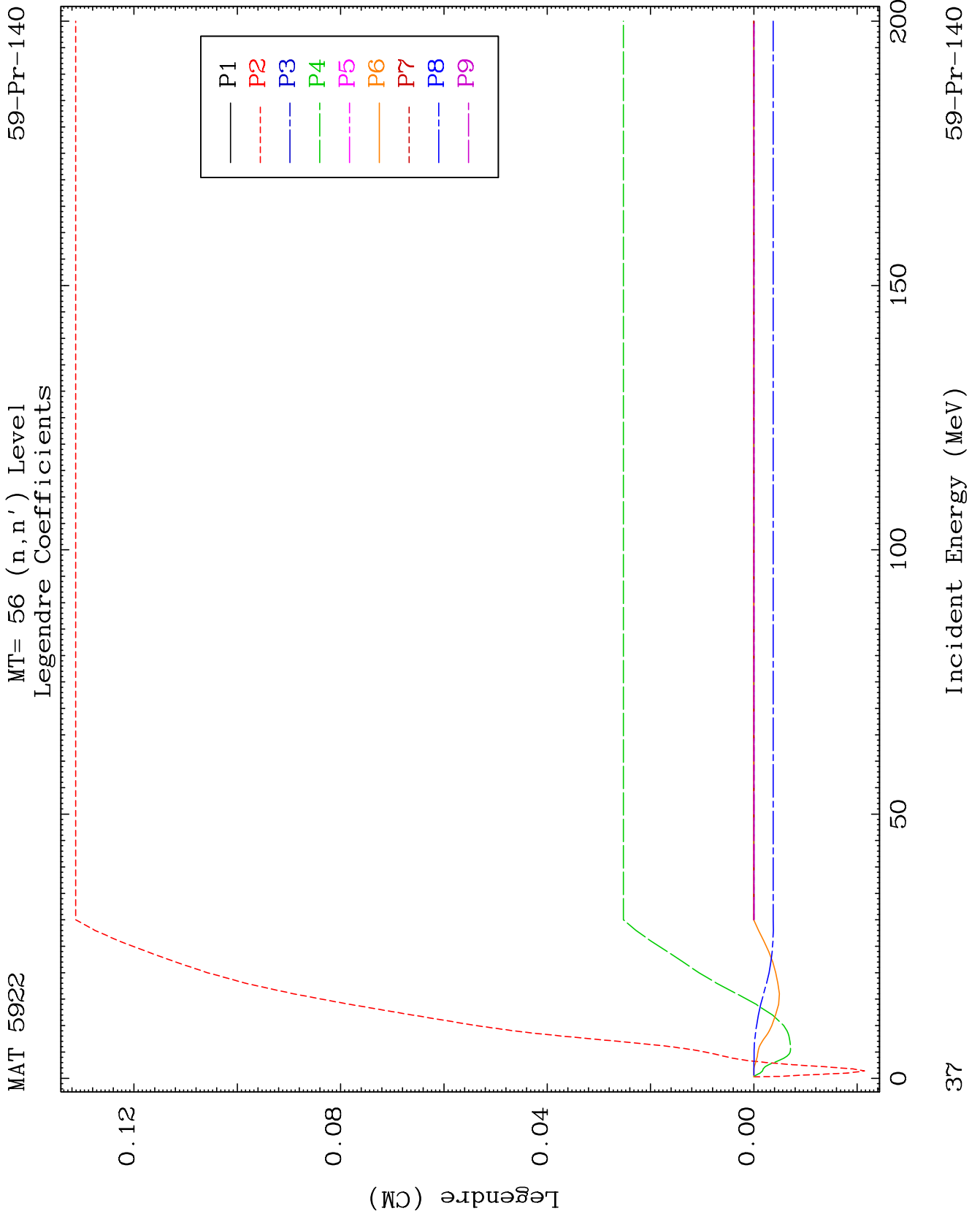
59-Pr-140

MAT 5922

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

59-Pr-140

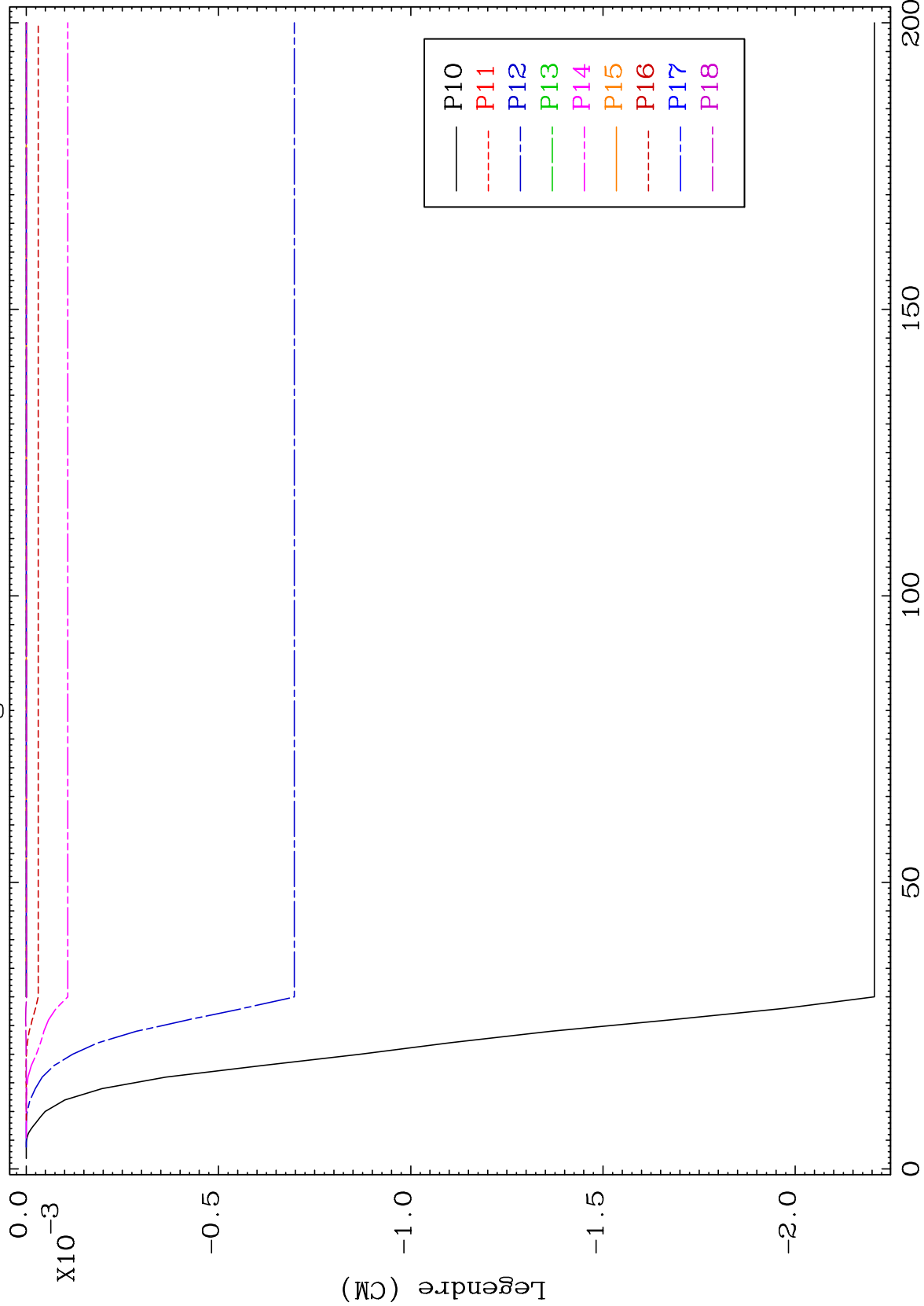




MAT 5922

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

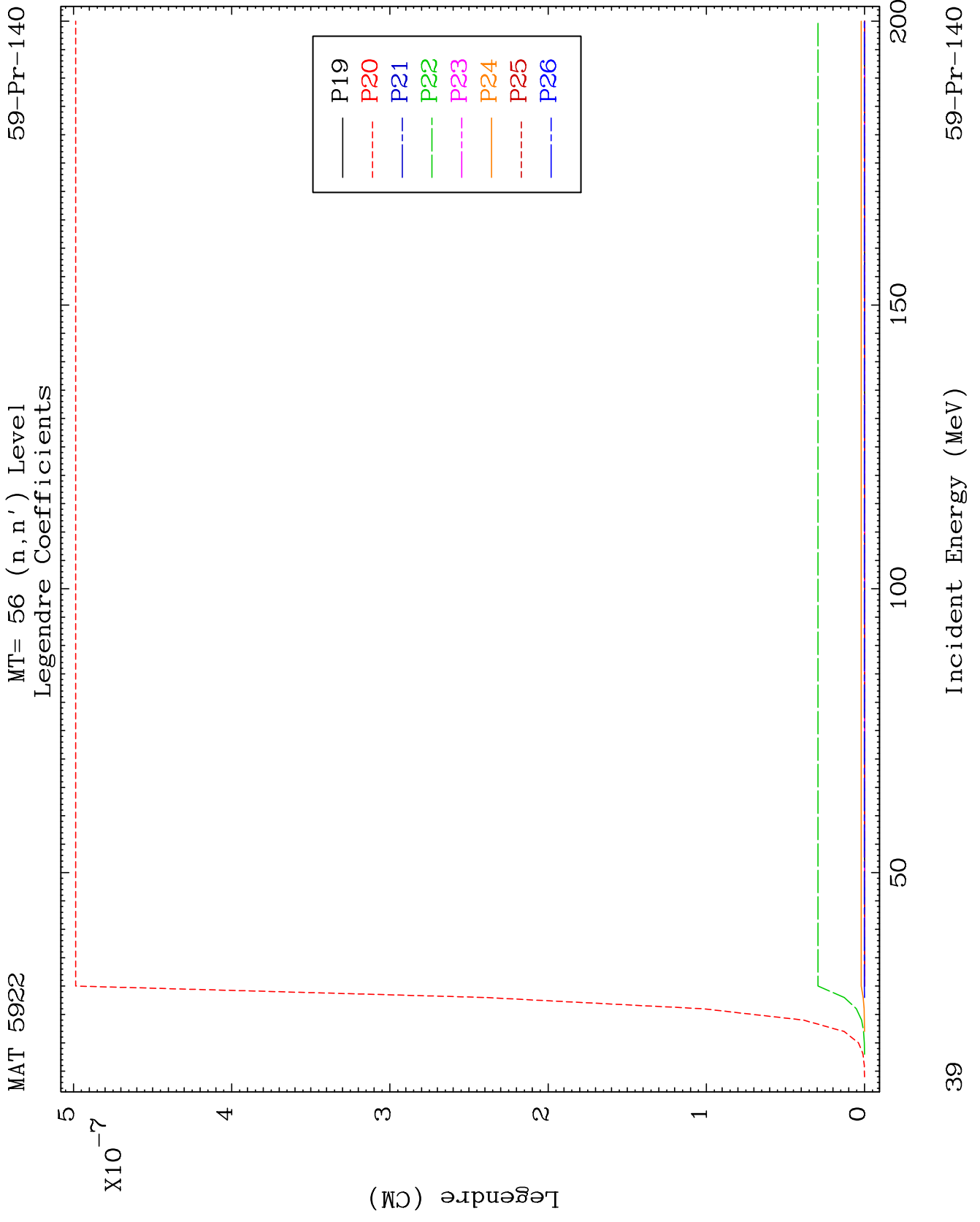
59-Pr-140



38

Incident Energy (MeV)

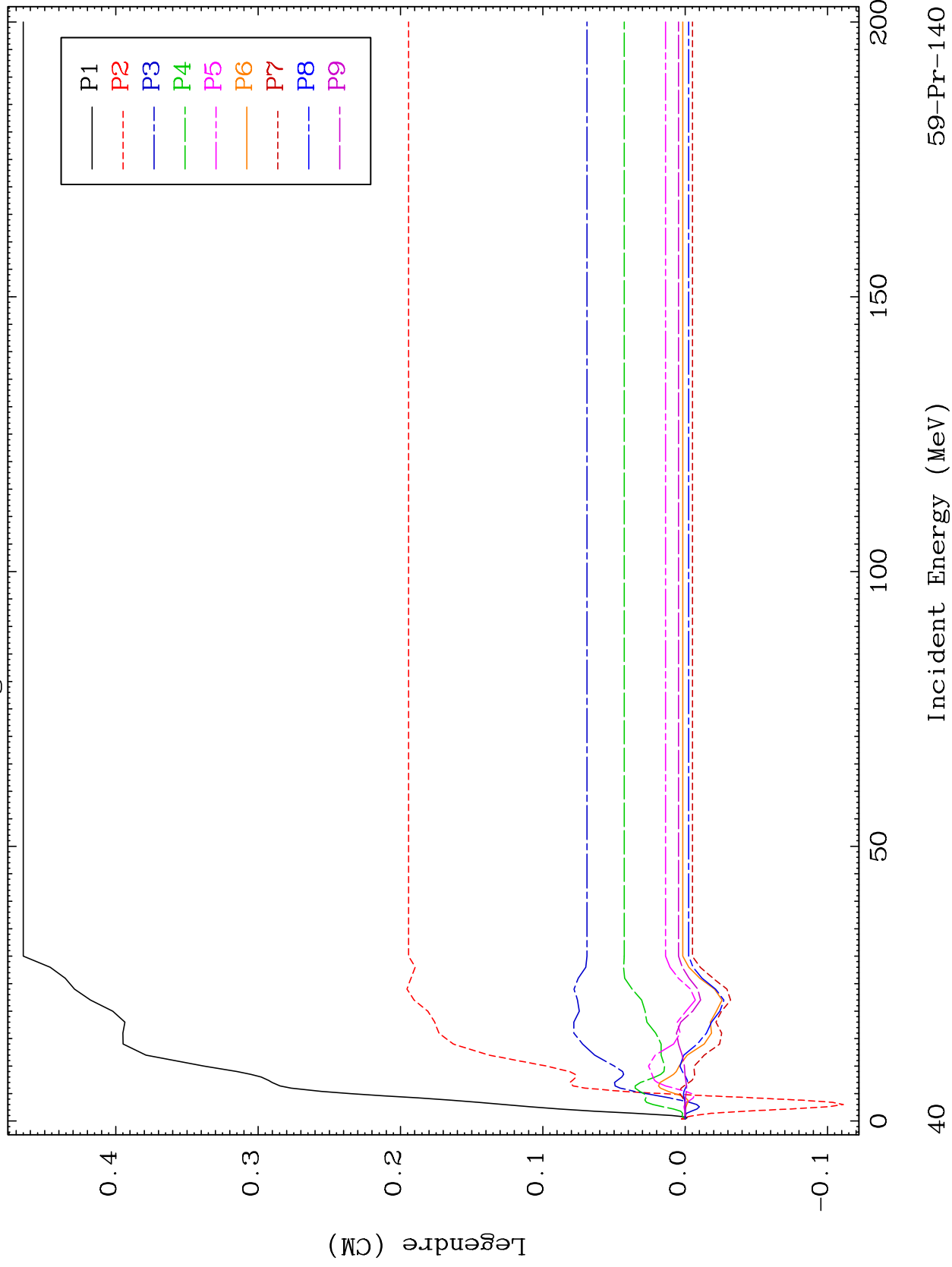
59-Pr-140



MAT 5922

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

59-Pr-140

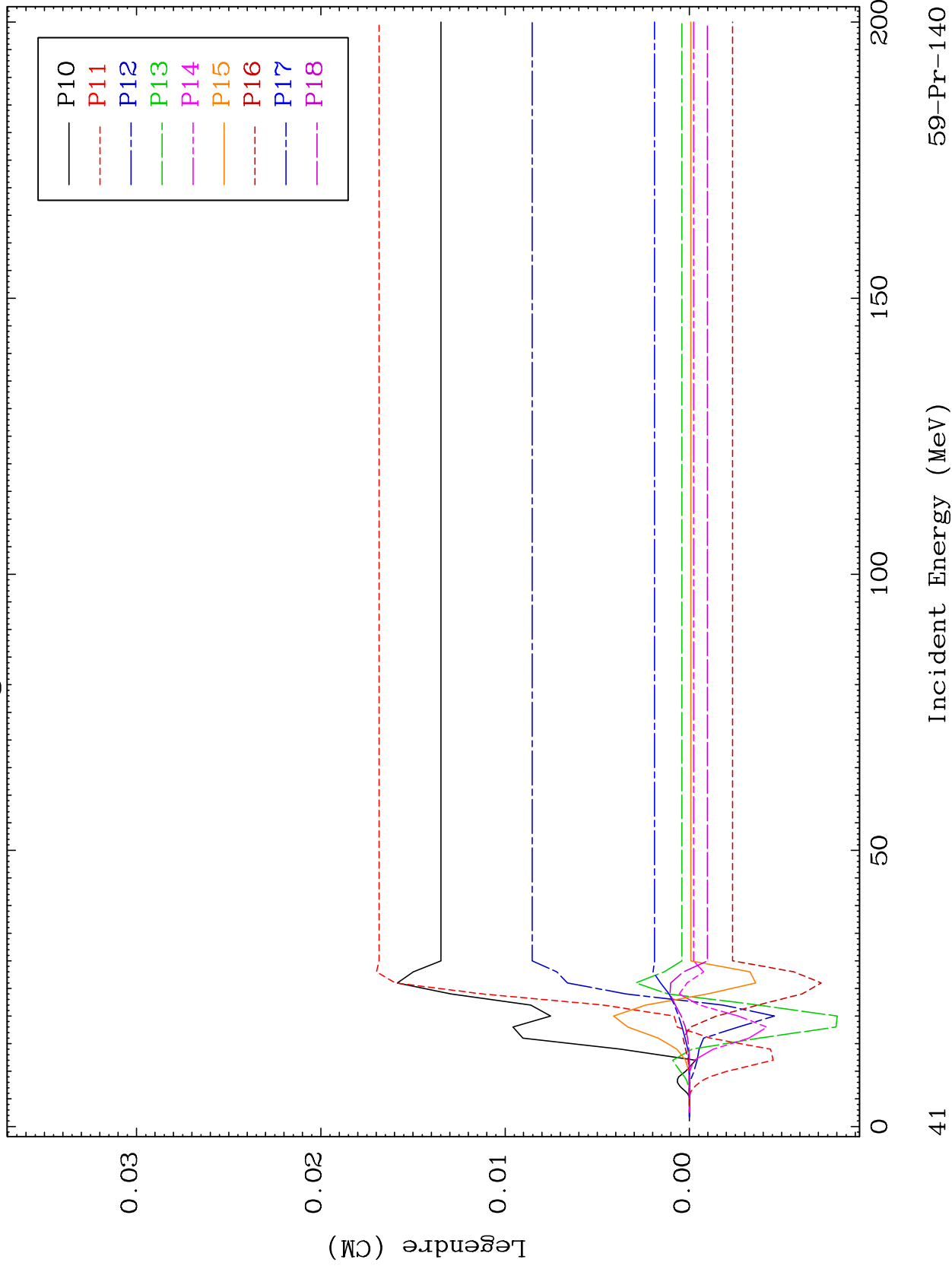


59-Pr-140

MAT 5922

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

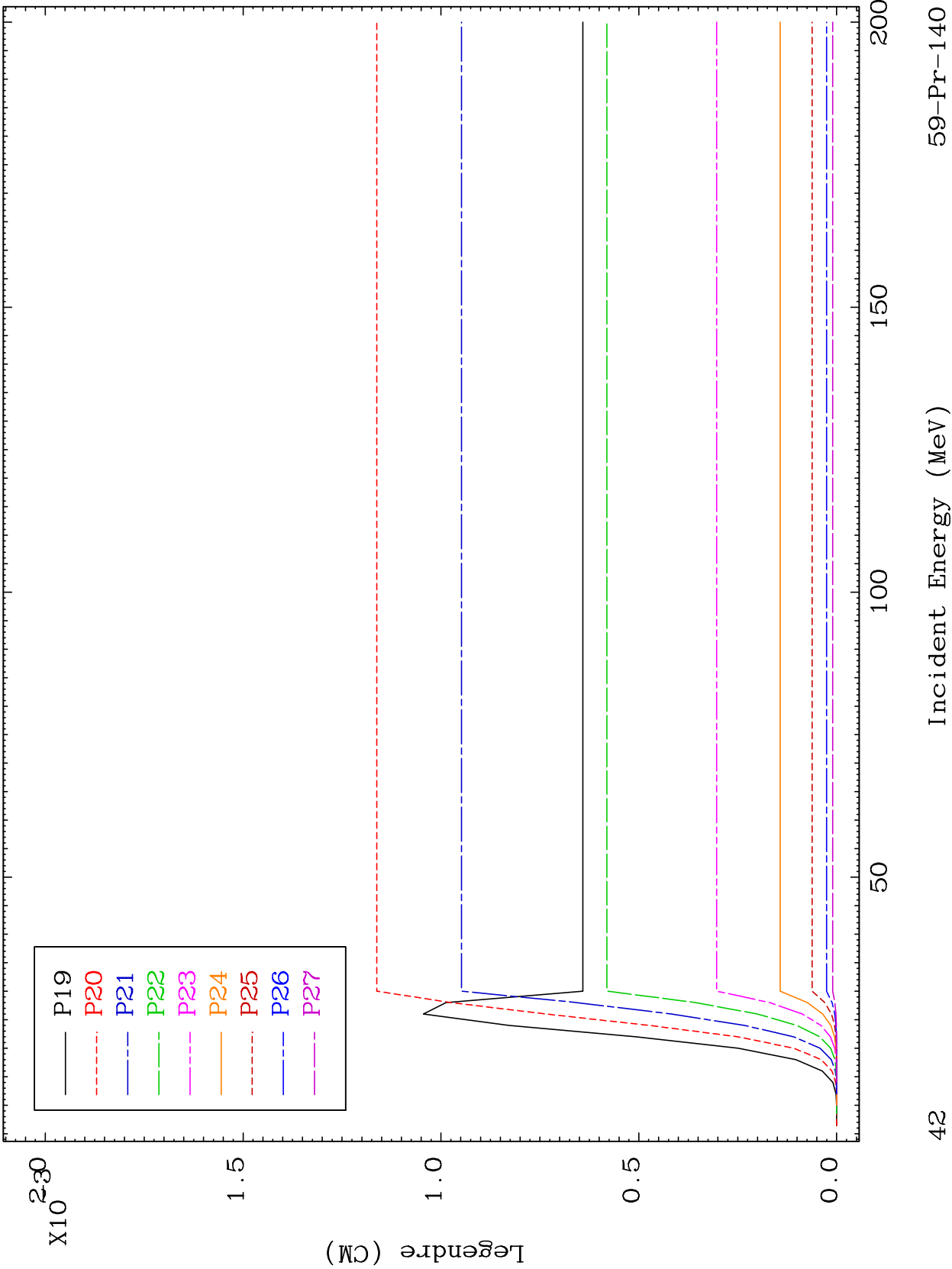
59-Pr-140



59-Pr-140

Incident Energy (MeV)

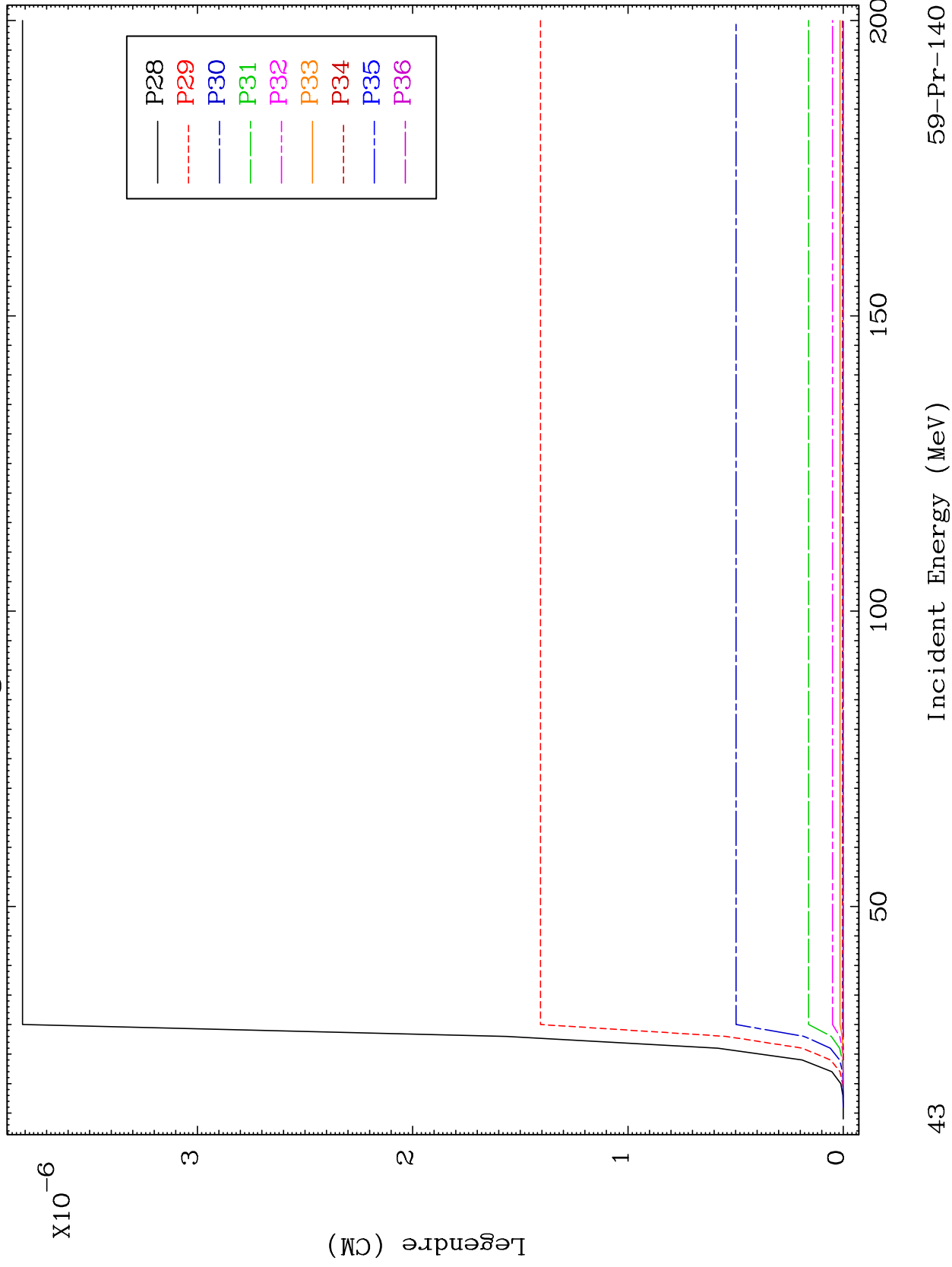
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MAT 5922

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

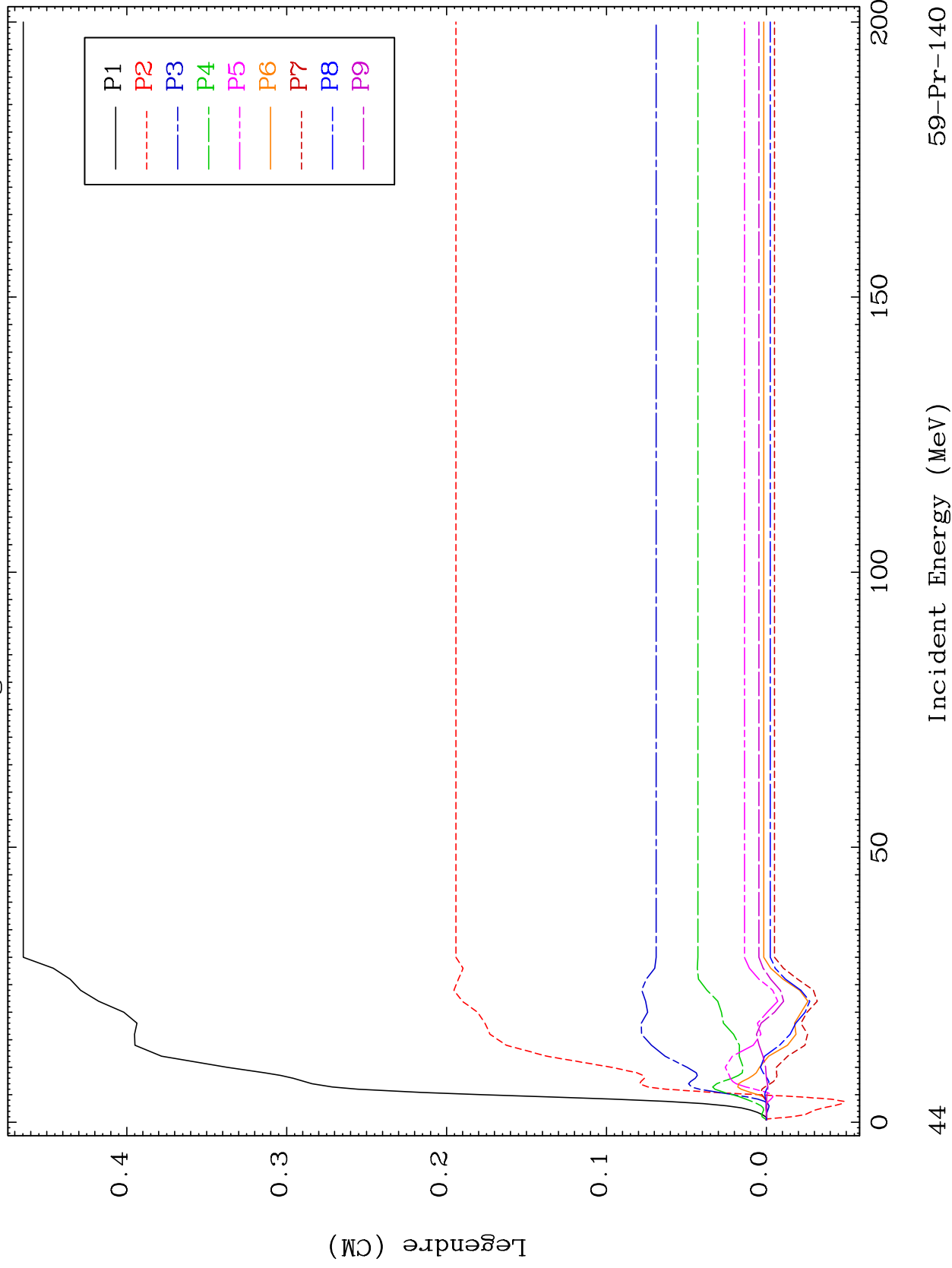
59-Pr-140



MAT 5922

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

59-Pr-140



59-Pr-140

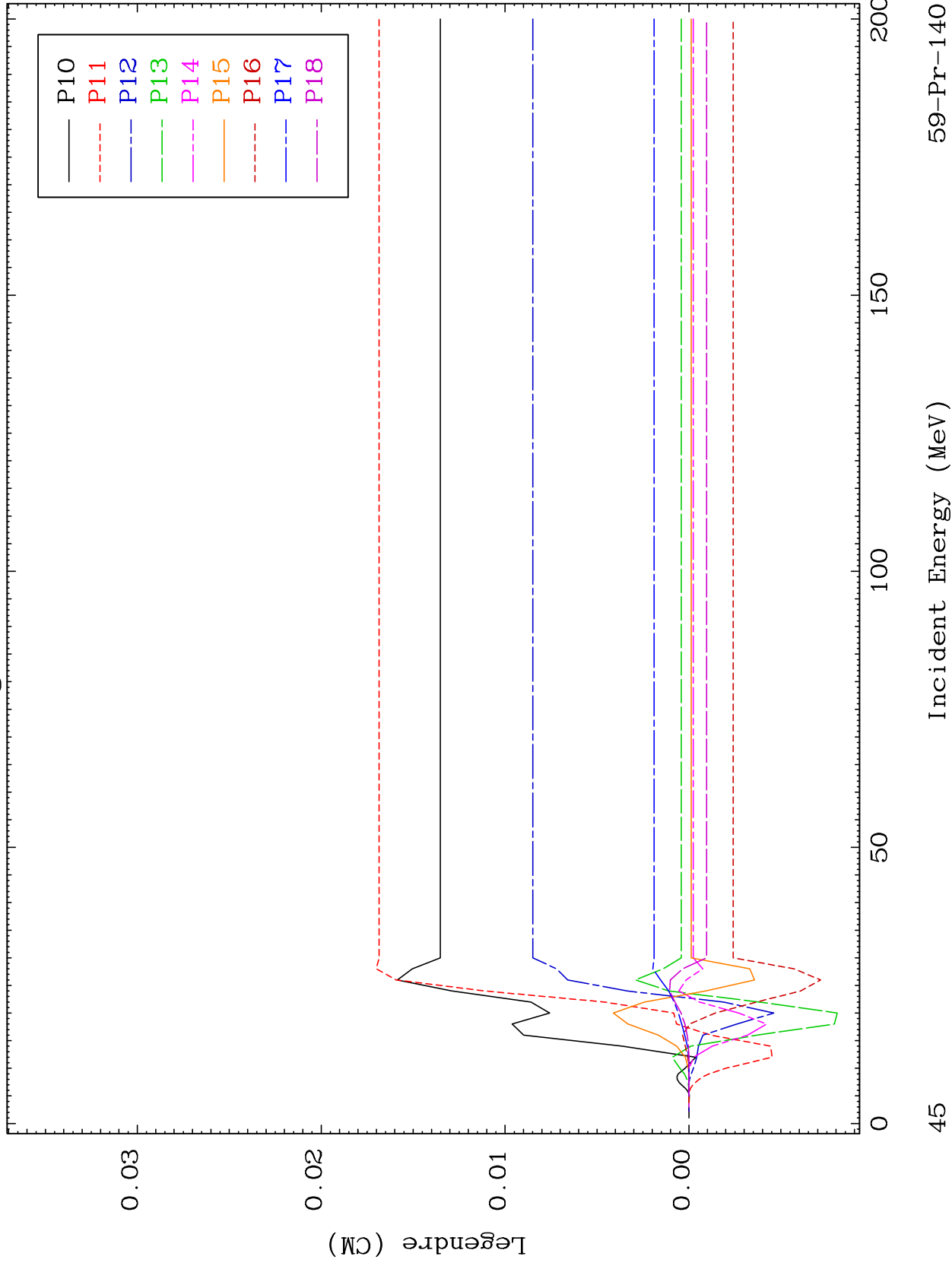
Incident Energy (MeV)

44

MAT 5922

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

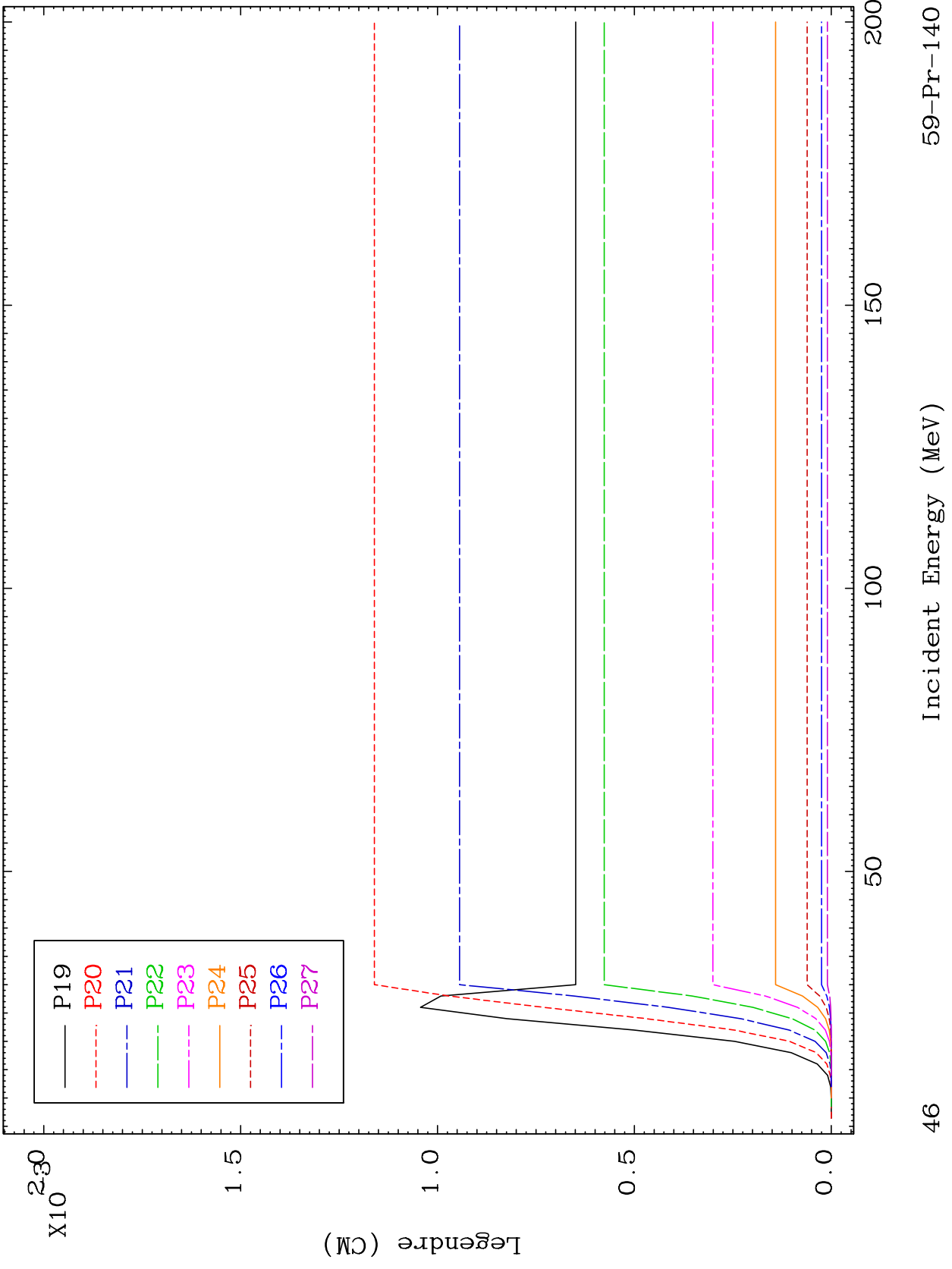
59-Pr-140



MAT 5922

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

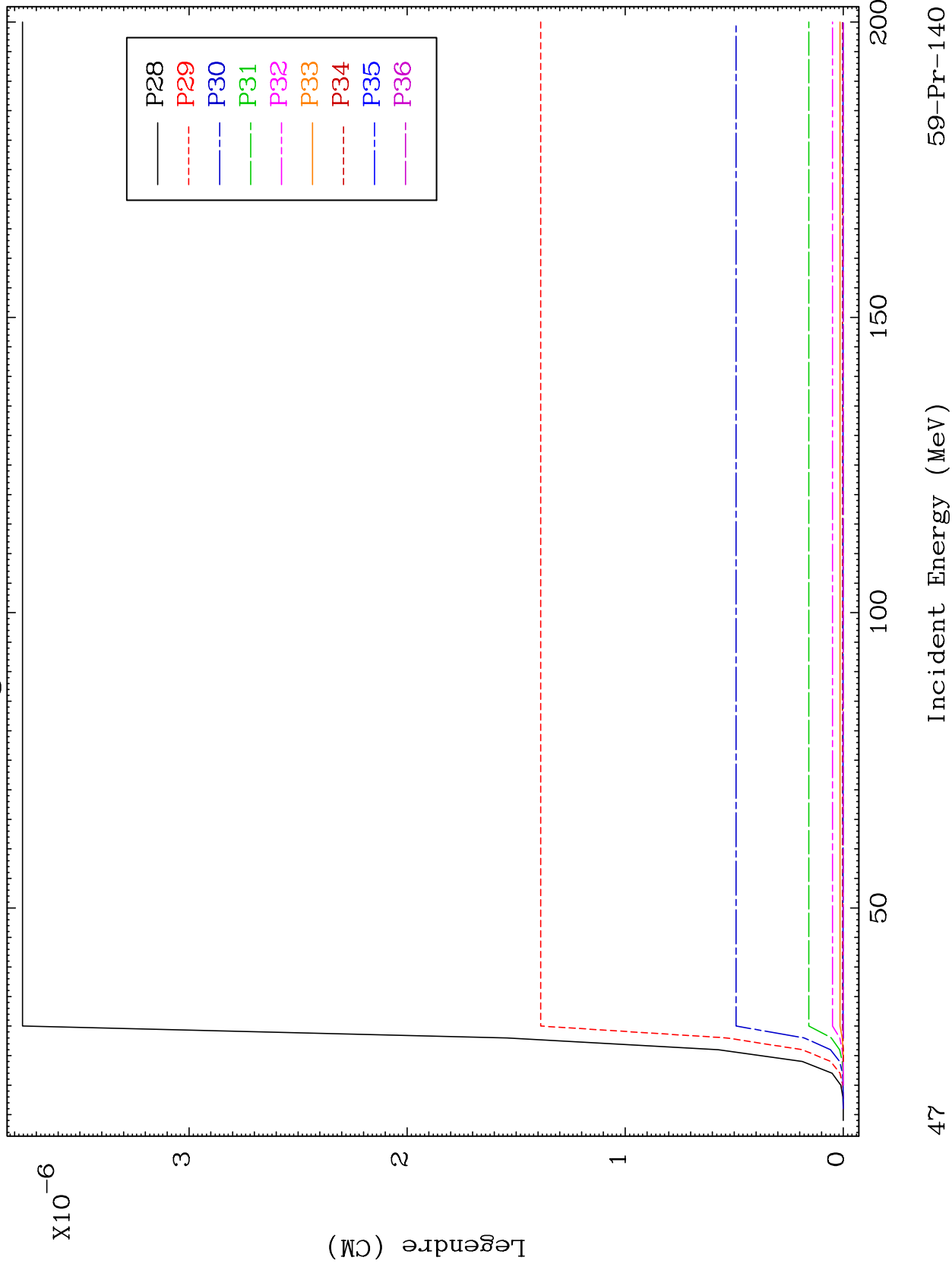
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MAT 5922

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

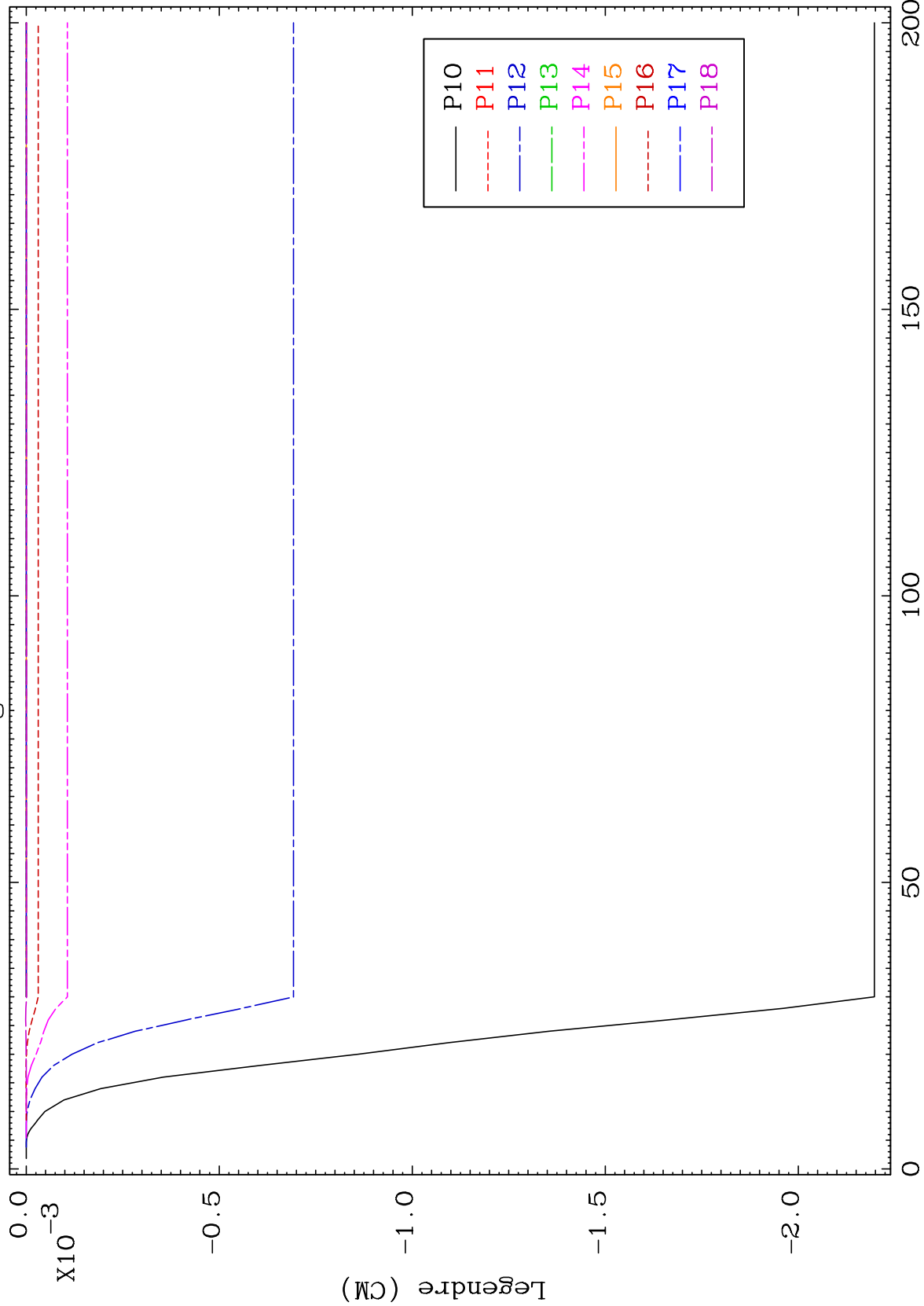
59-Pr-140



MAT 5922

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

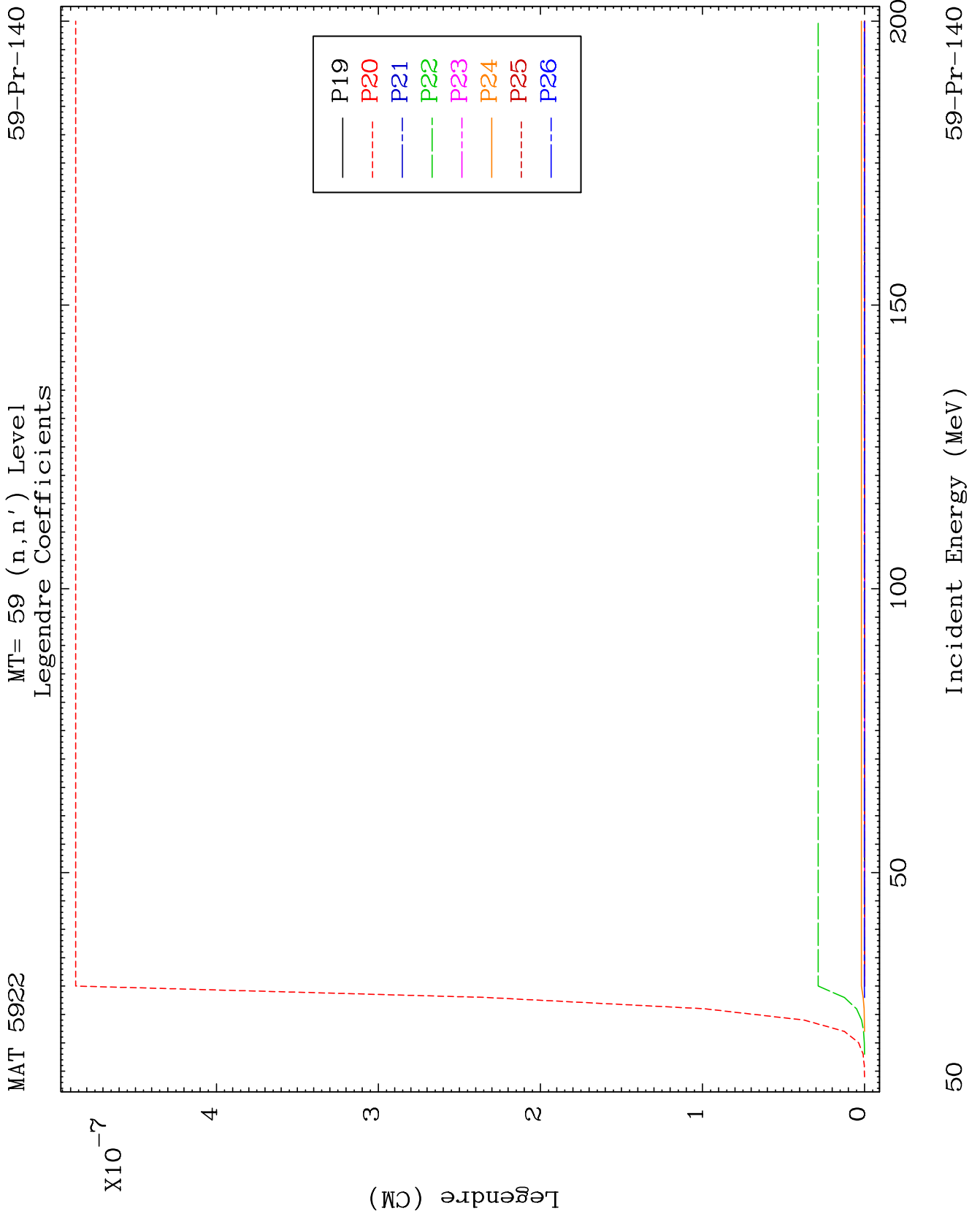
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49

Incident Energy (MeV)

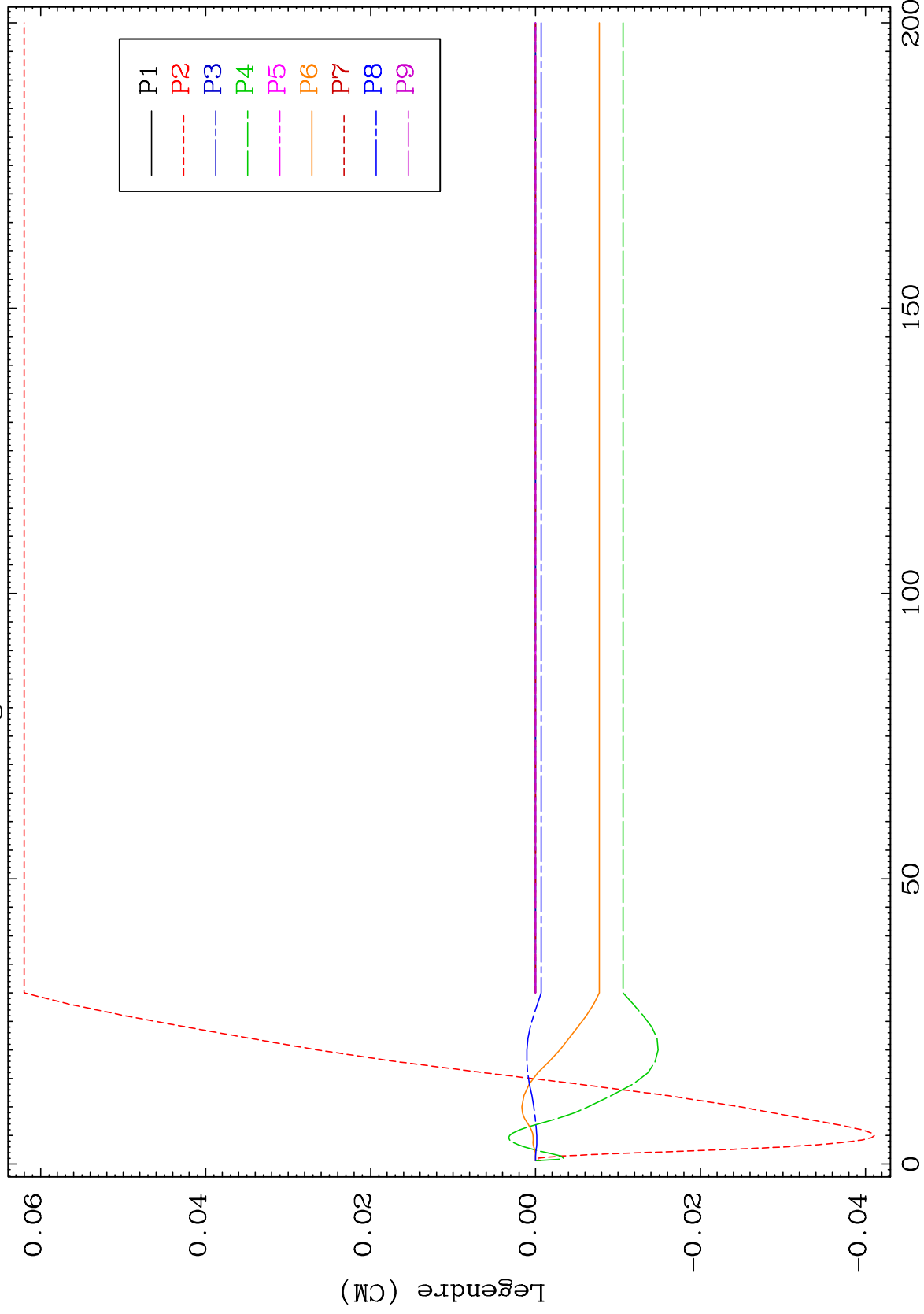
59-Pr-140



MAT 5922

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

59-Pr-140



51

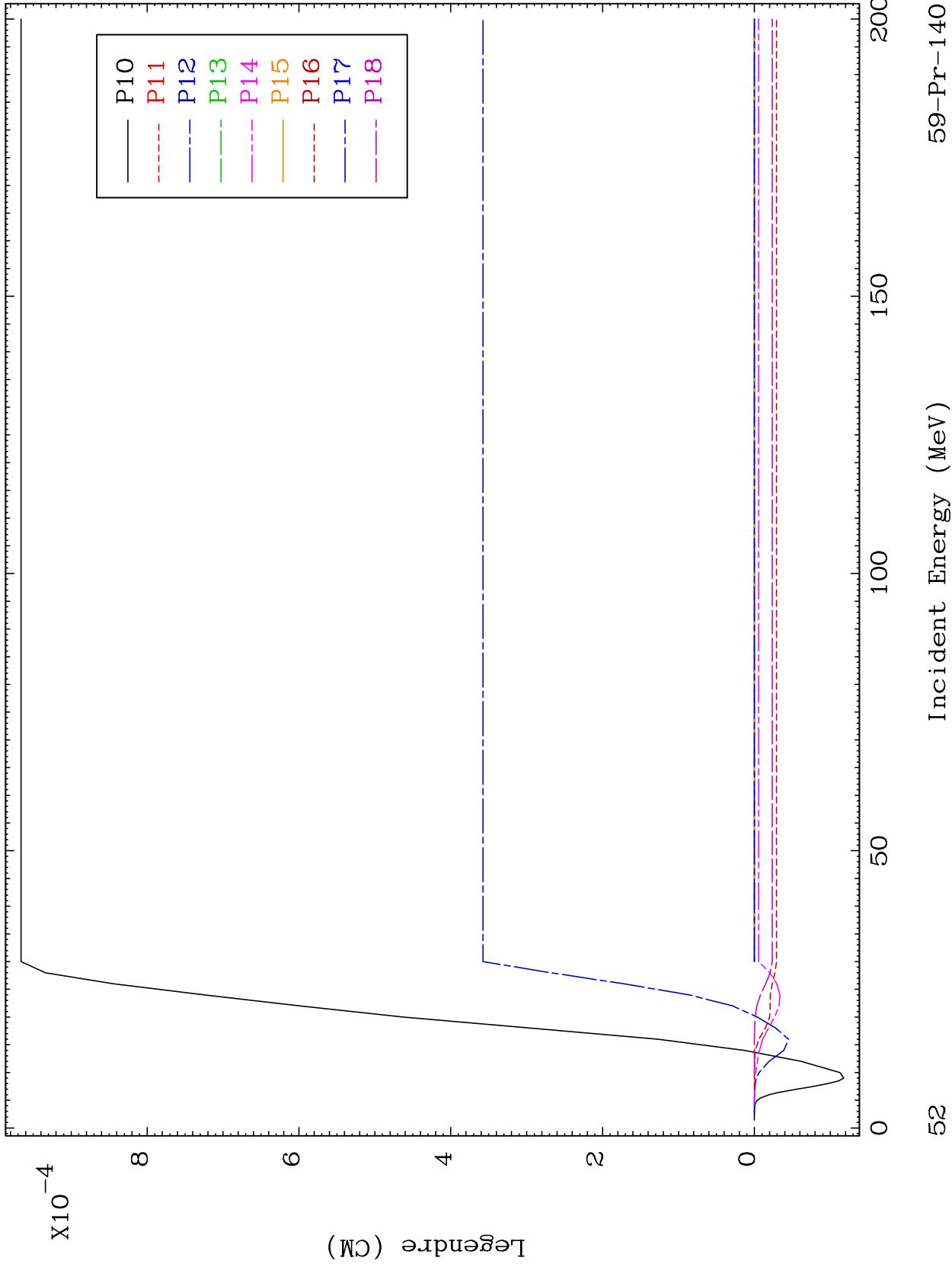
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

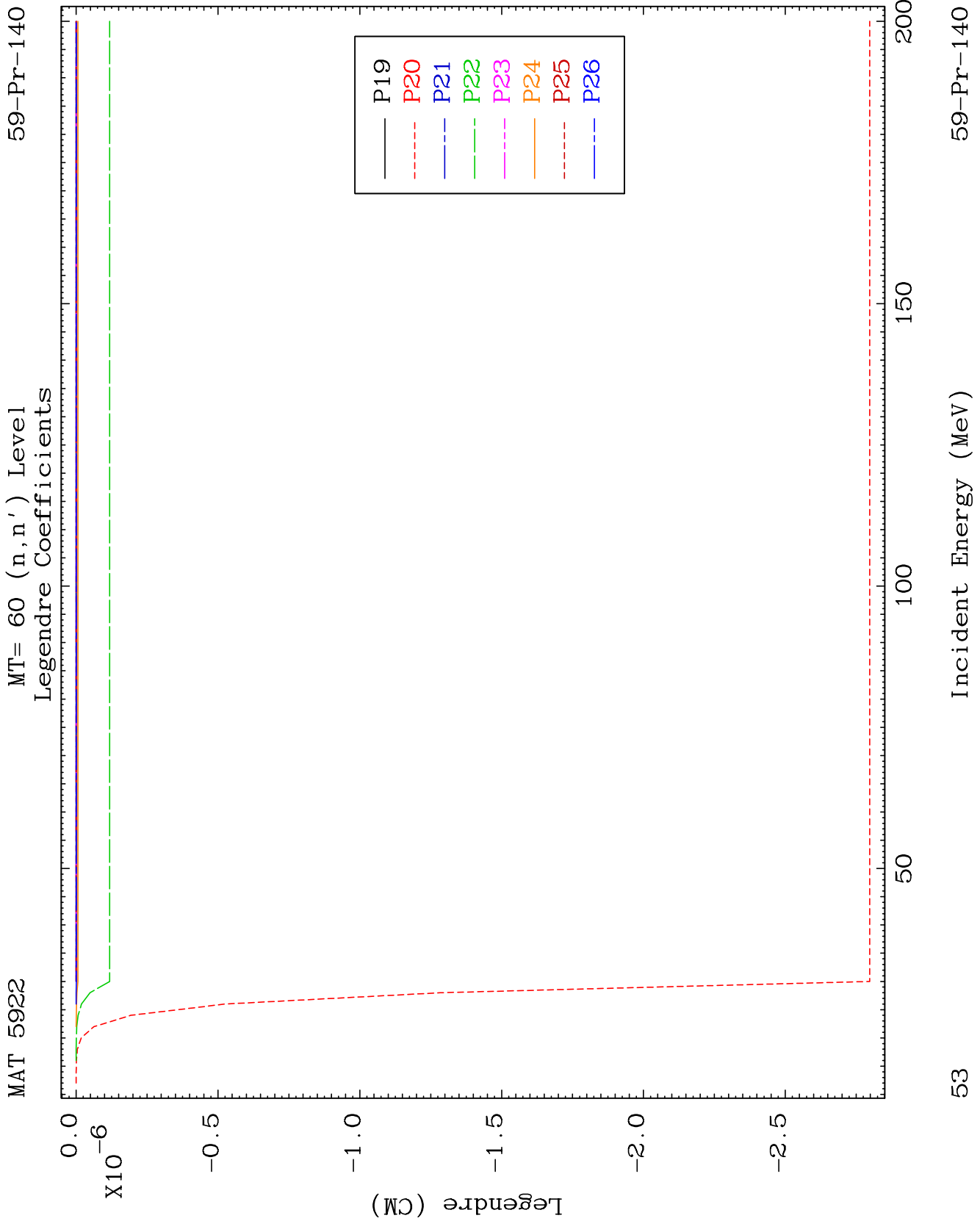
59-Pr-140



52

Incident Energy (MeV)

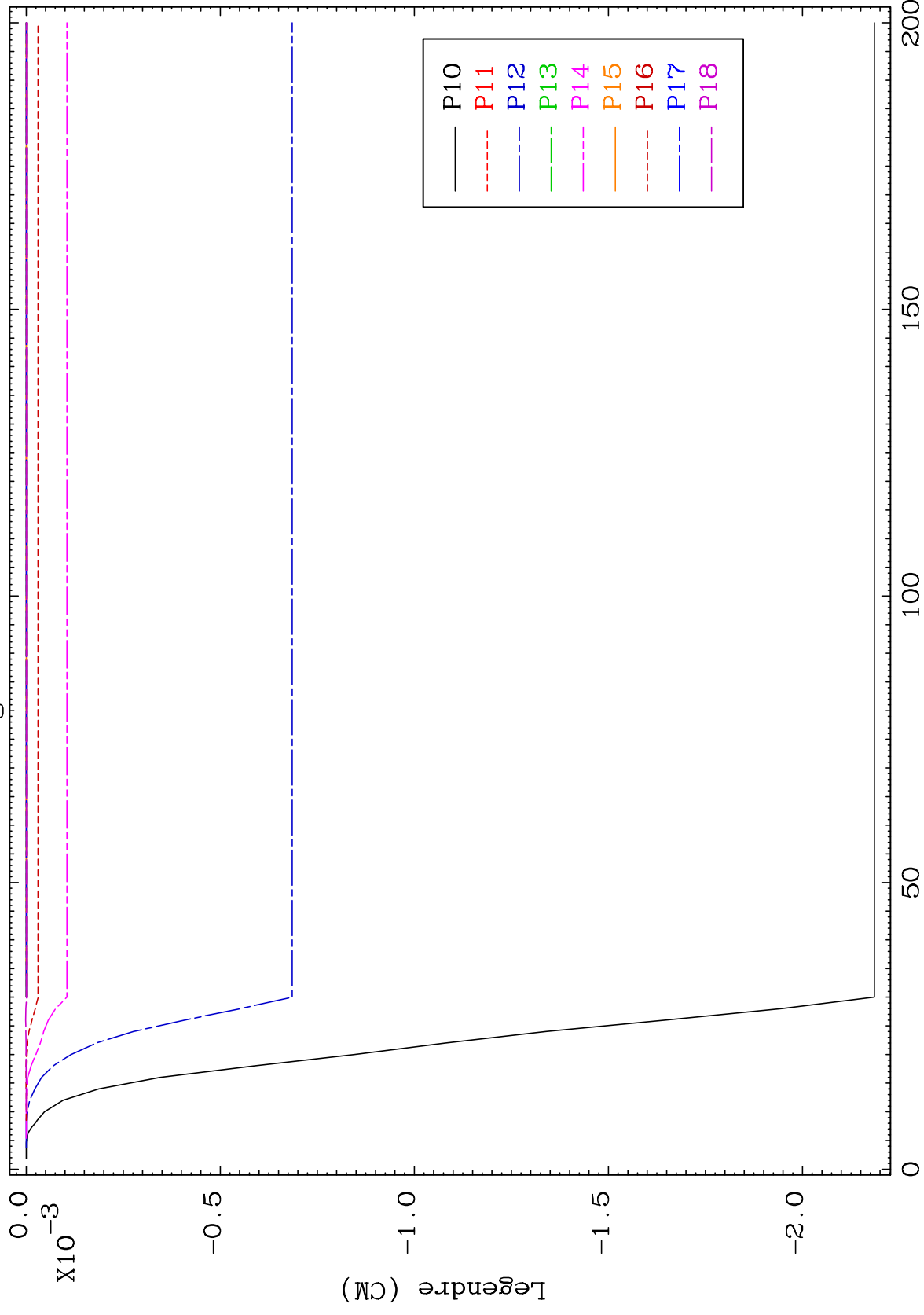
59-Pr-140



MAT 5922

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

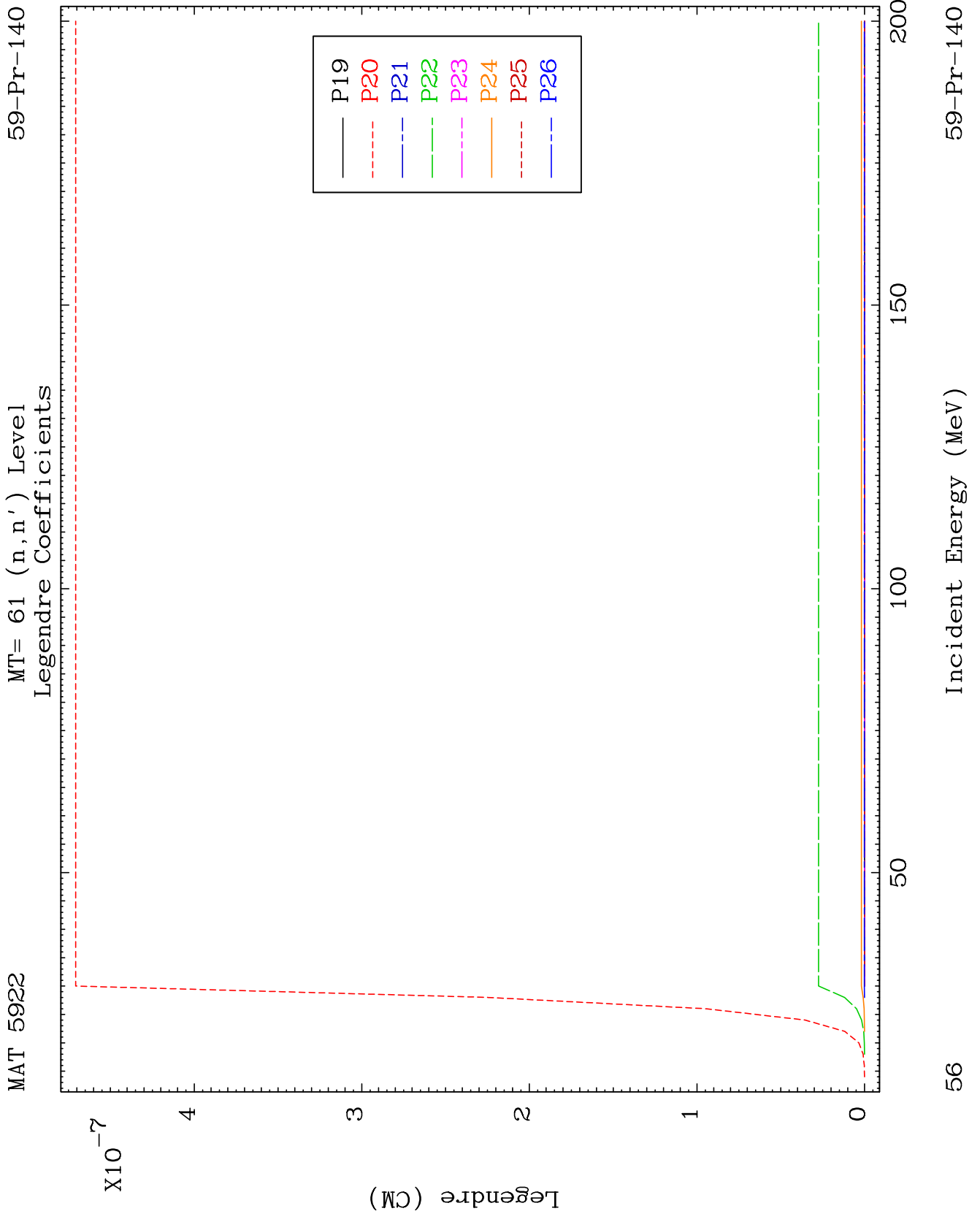
59-Pr-140

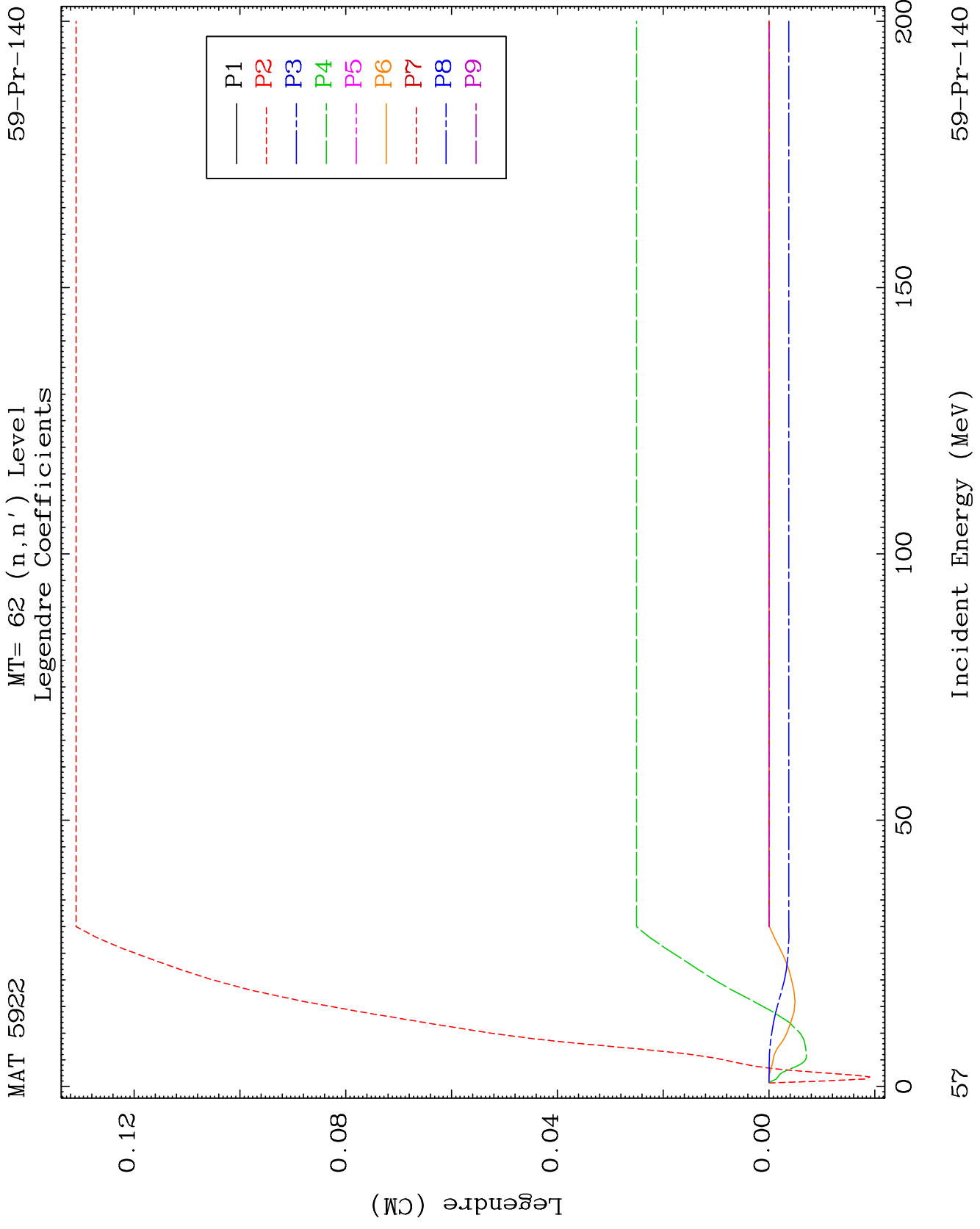


55

Incident Energy (MeV)

59-Pr-140

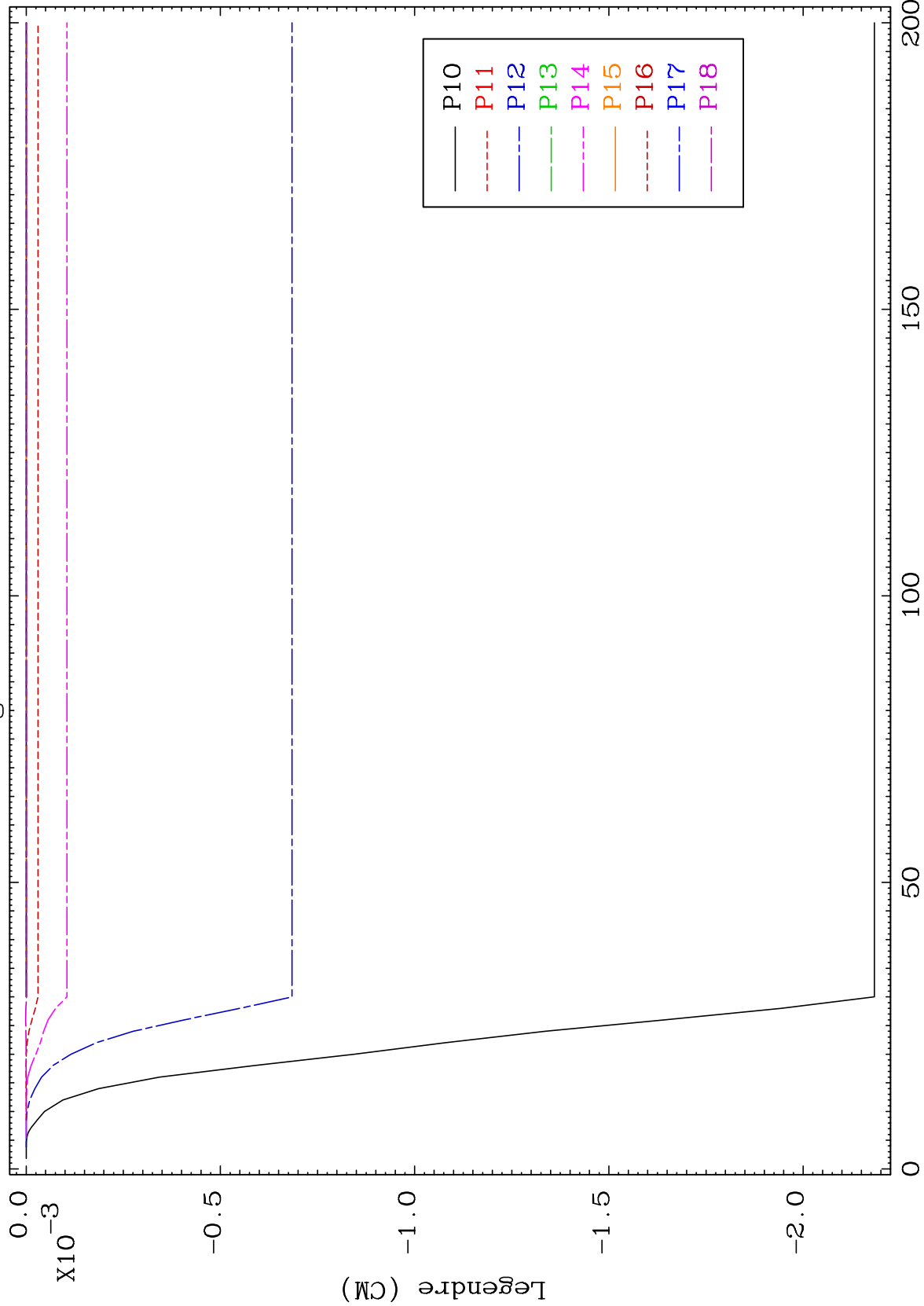




MAT 5922

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

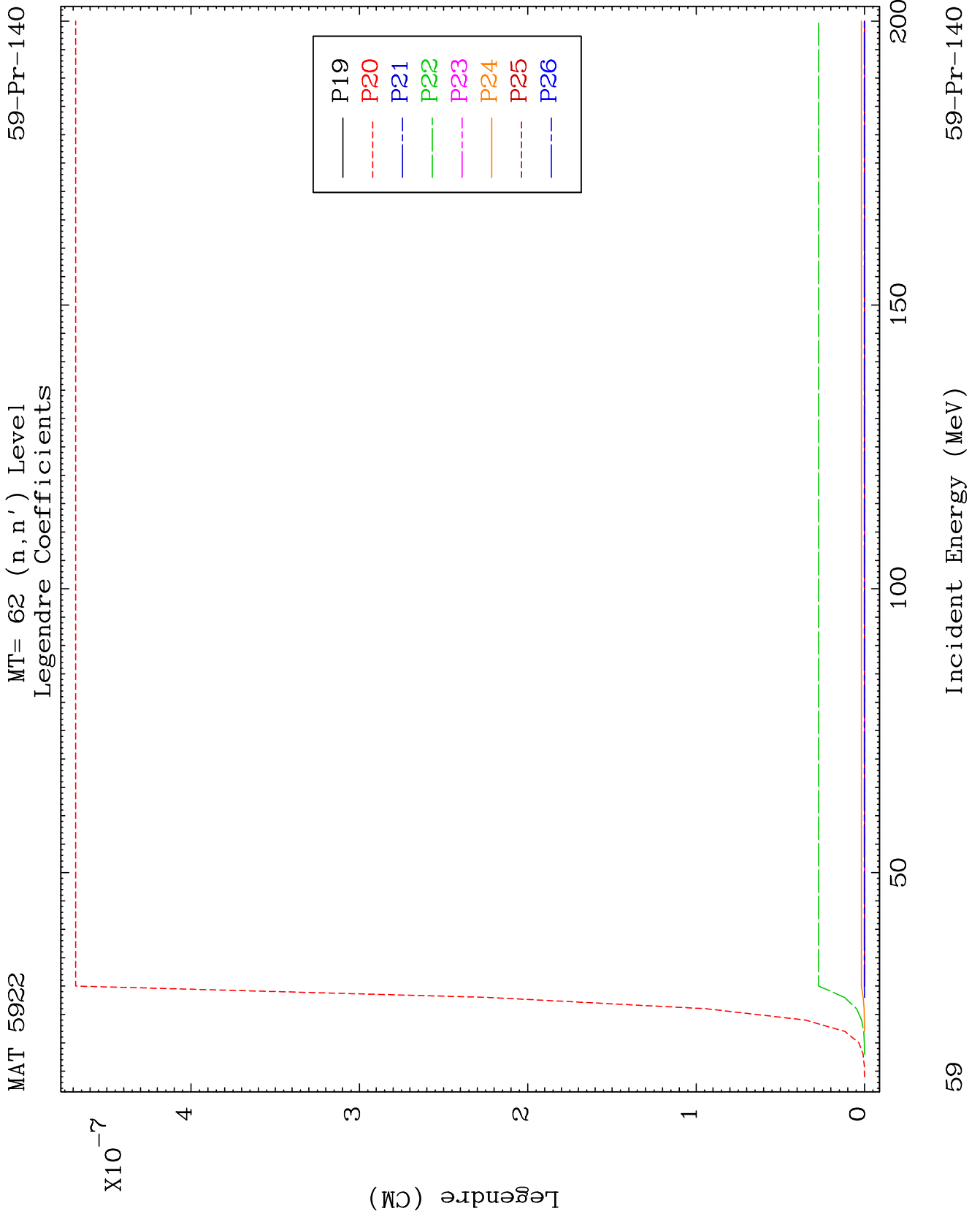
59-Pr-140



58

Incident Energy (MeV)

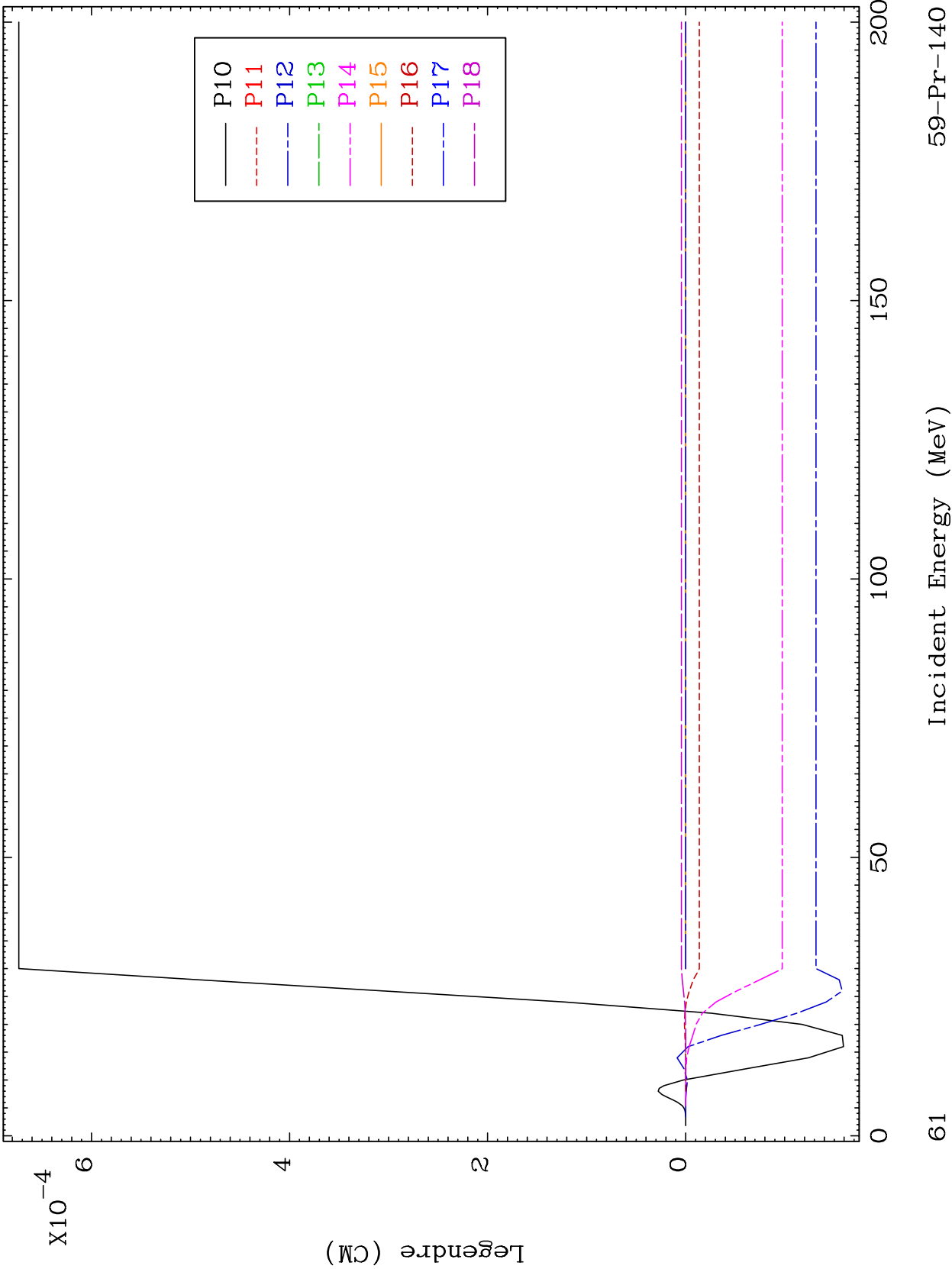
59-Pr-140

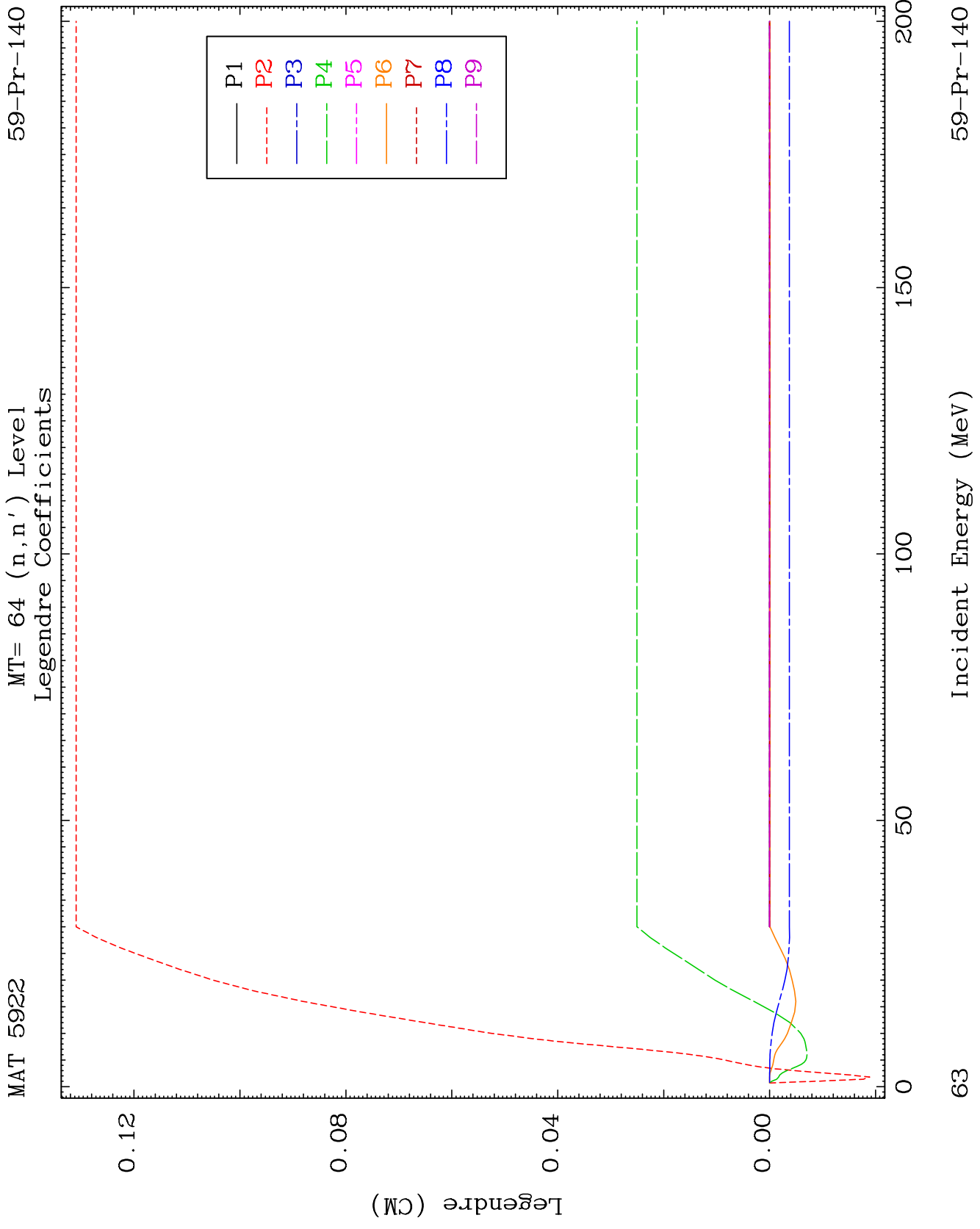


MAT 5922

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

59-Pr-140

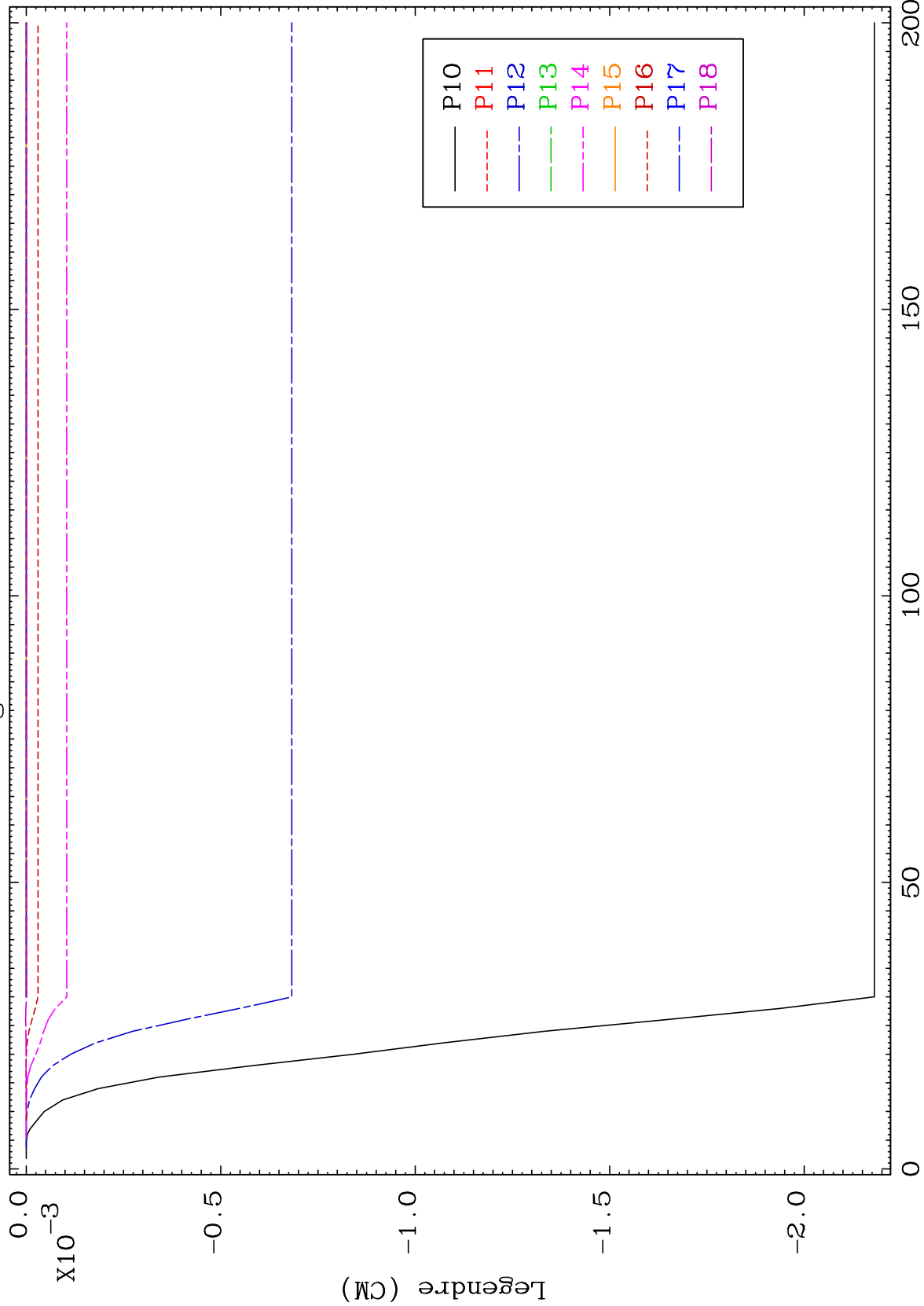




MAT 5922

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

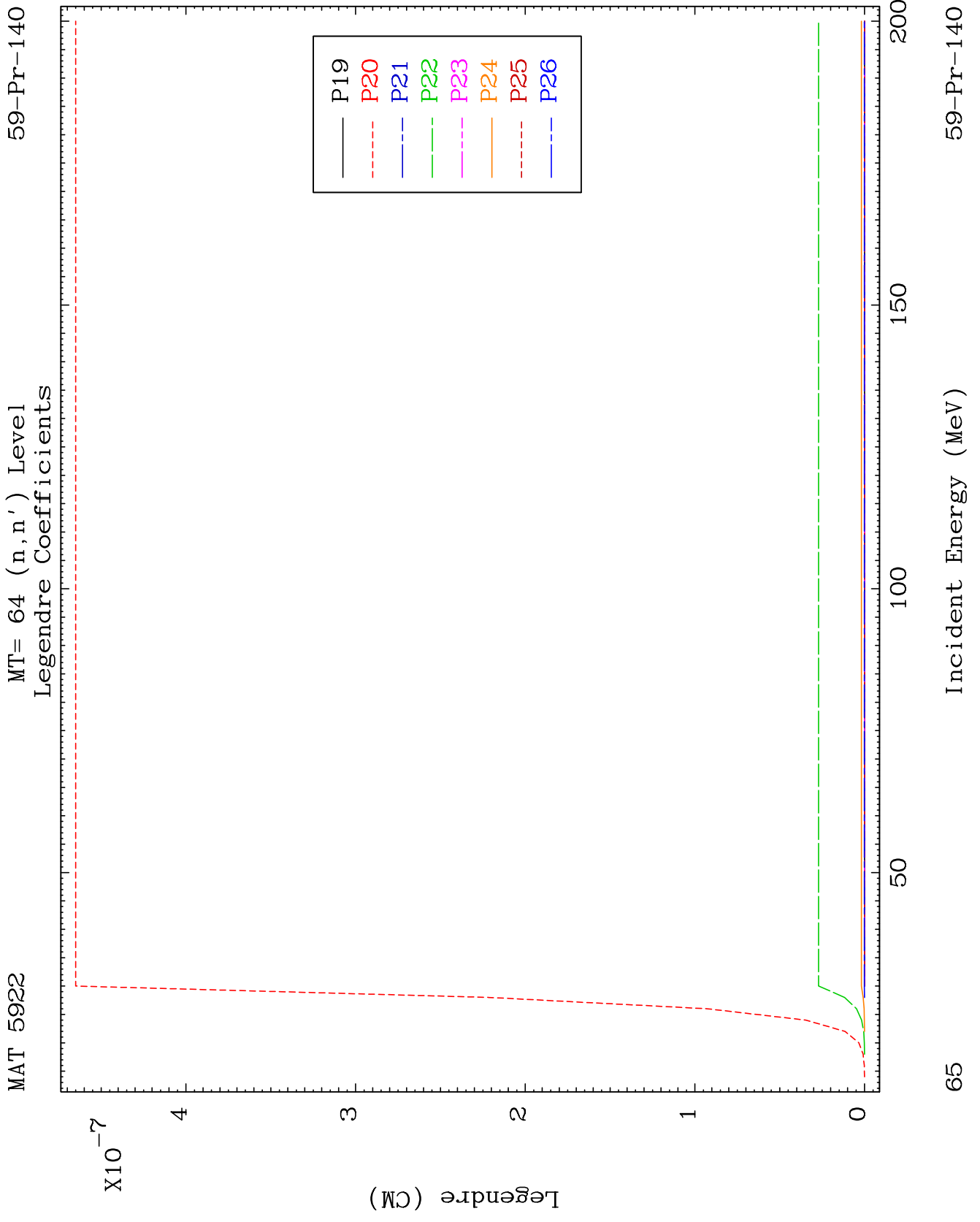
59-Pr-140



64

Incident Energy (MeV)

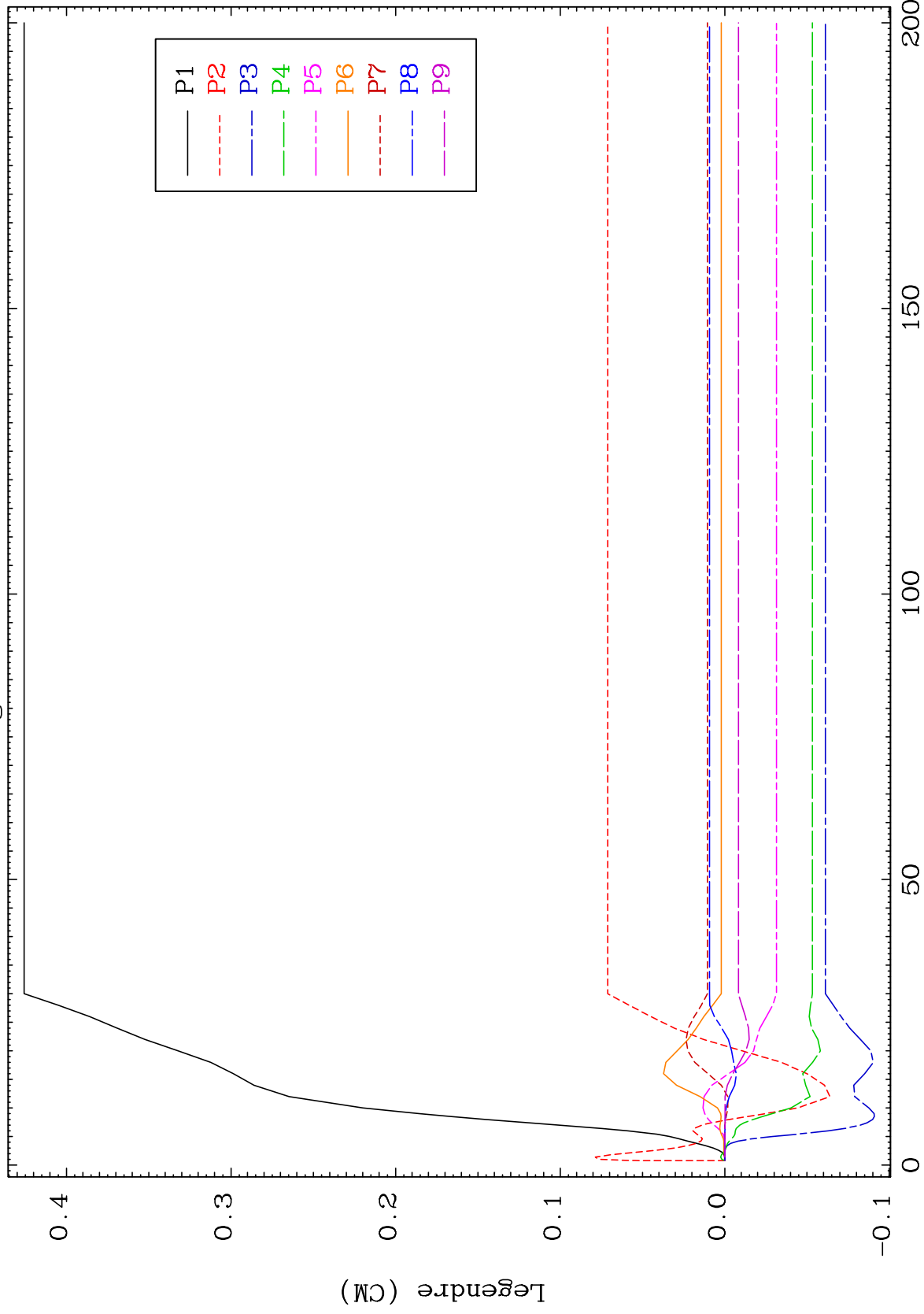
59-Pr-140



MAT 5922

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

59-Pr-140



66

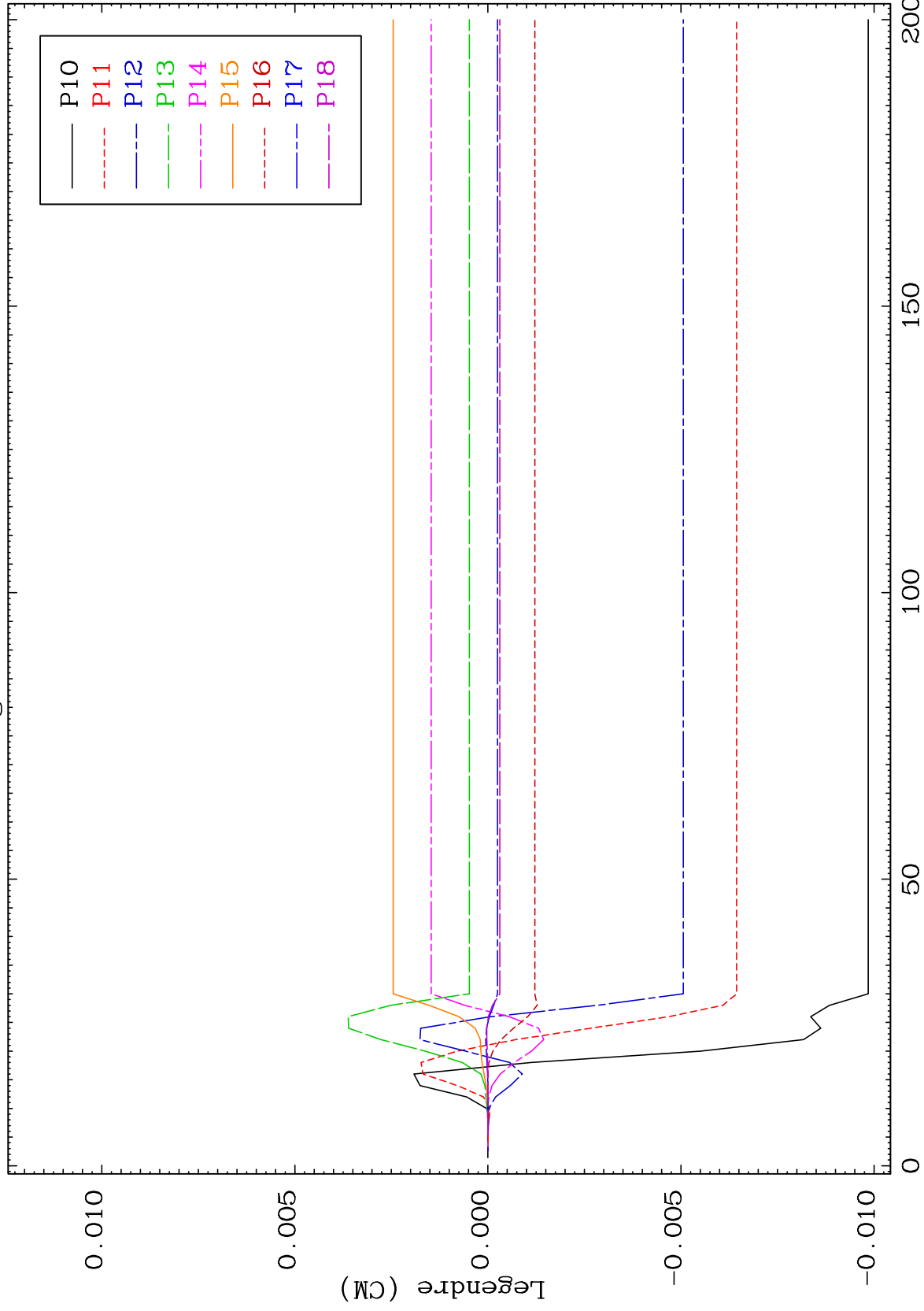
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140

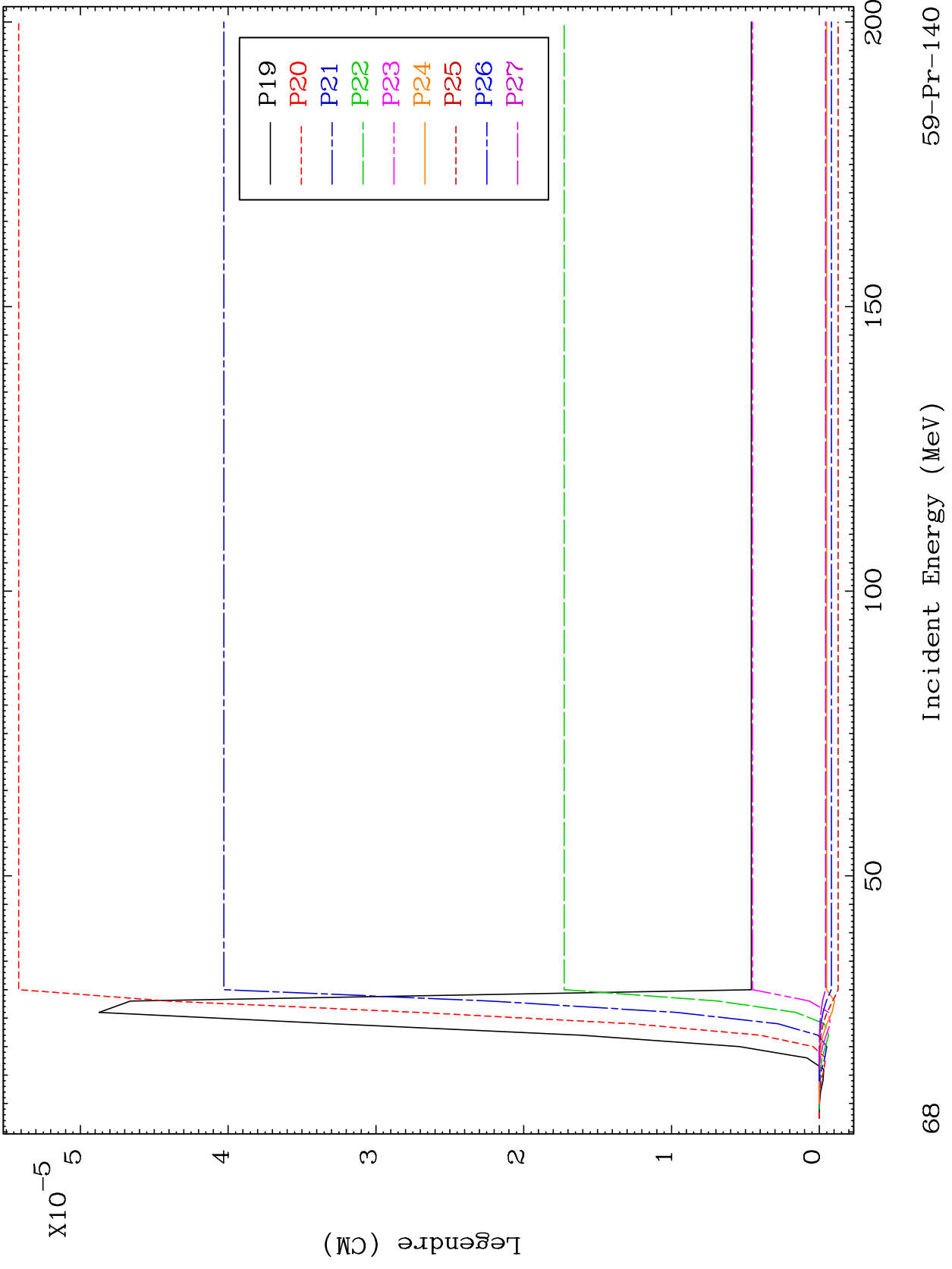


67

Incident Energy (MeV)

59-Pr-140

MAT 5922 MT= 65 (n,n') Level Legendre Coefficients 59-Pr-140

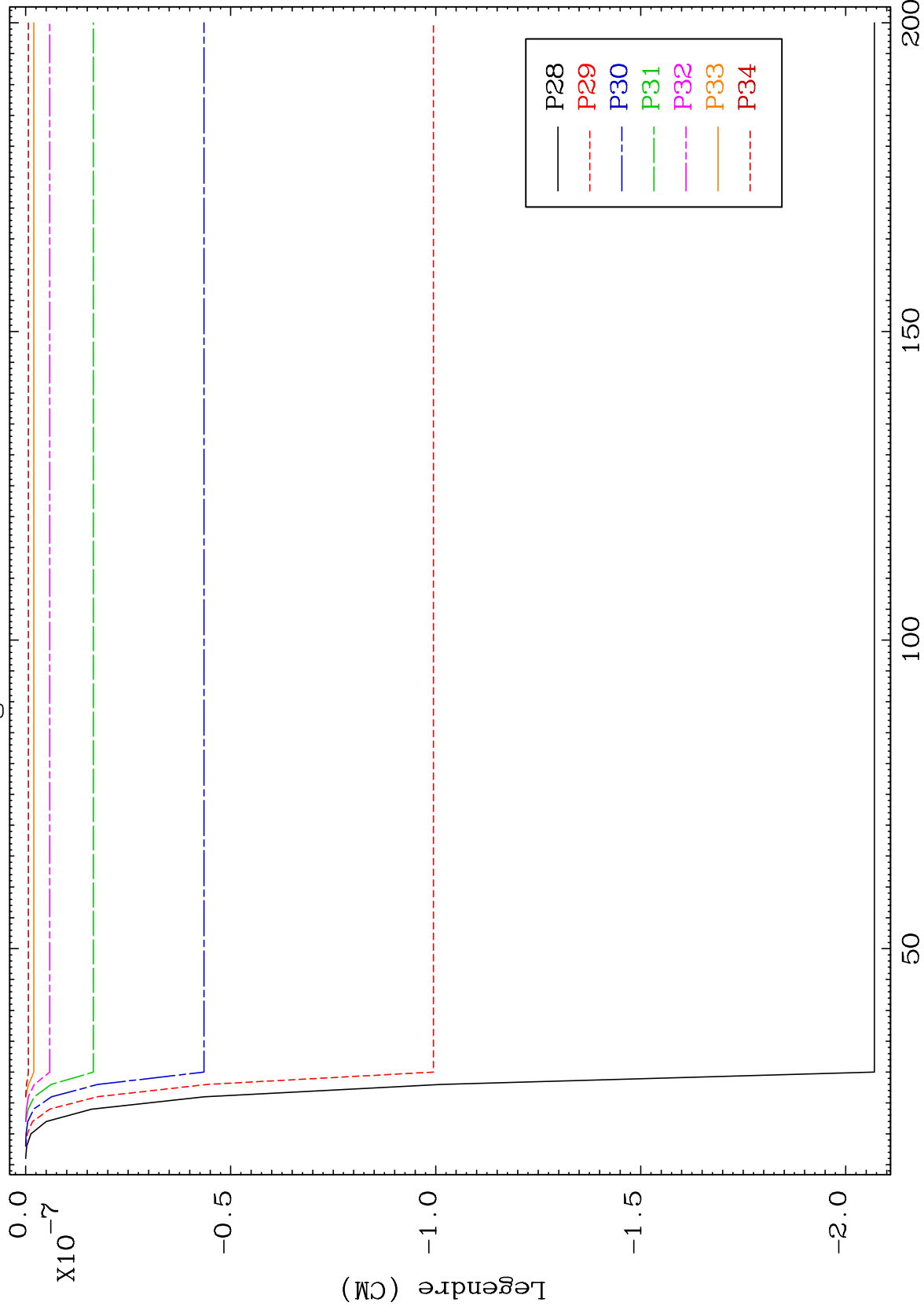


MAT 5922

MT= 65 (n,n') Level

59-Pr-140

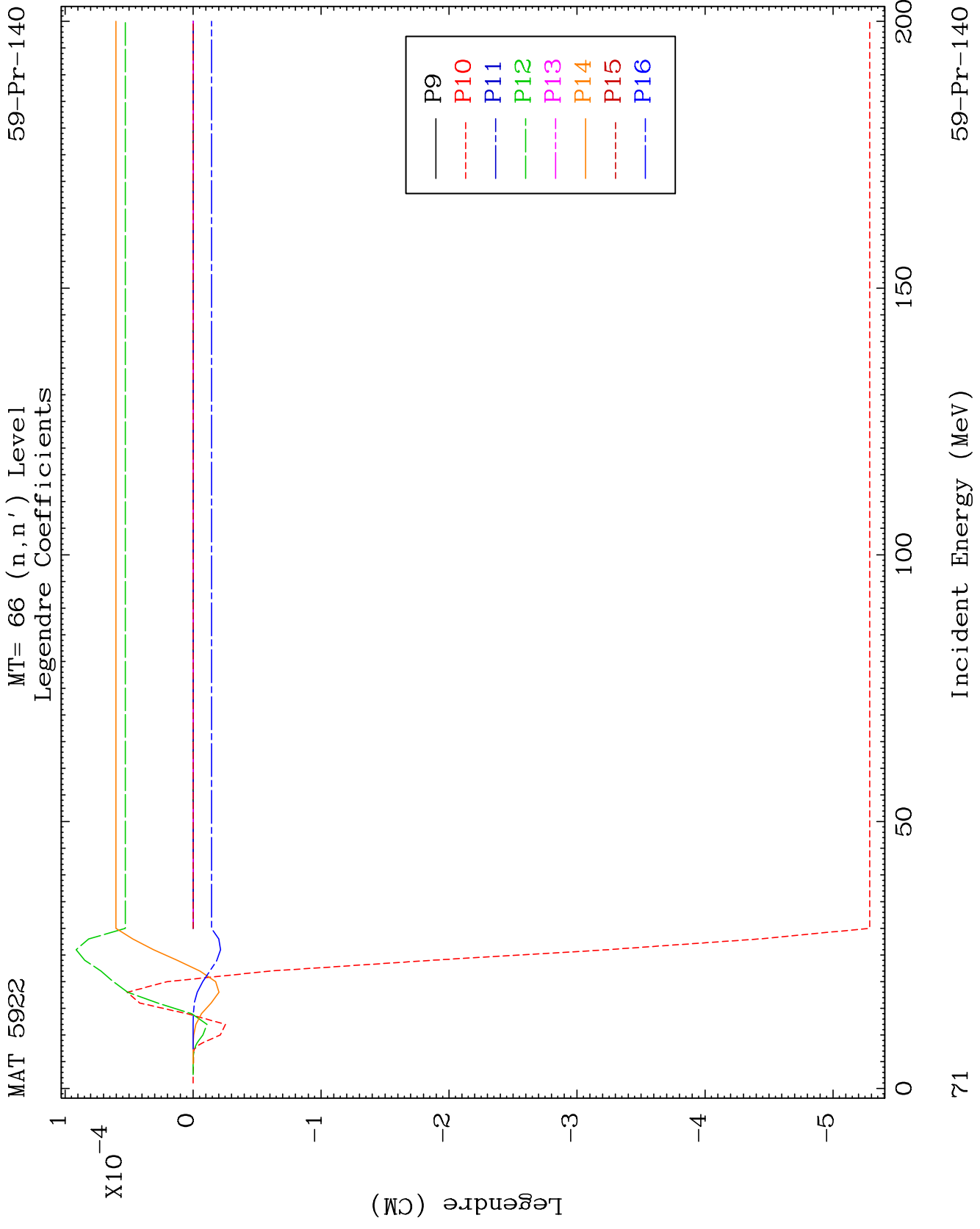
Legendre Coefficients

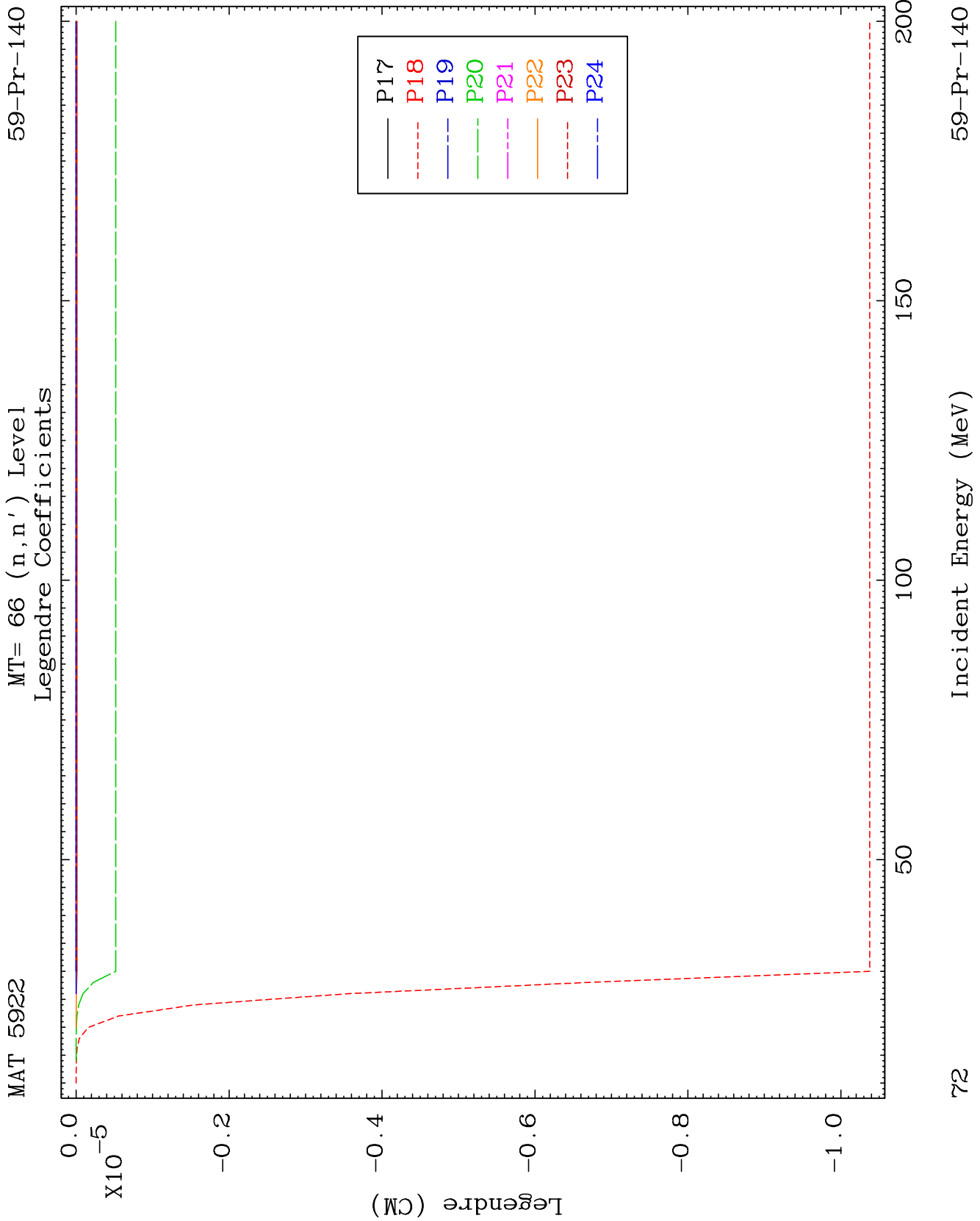


69

Incident Energy (MeV)

59-Pr-140

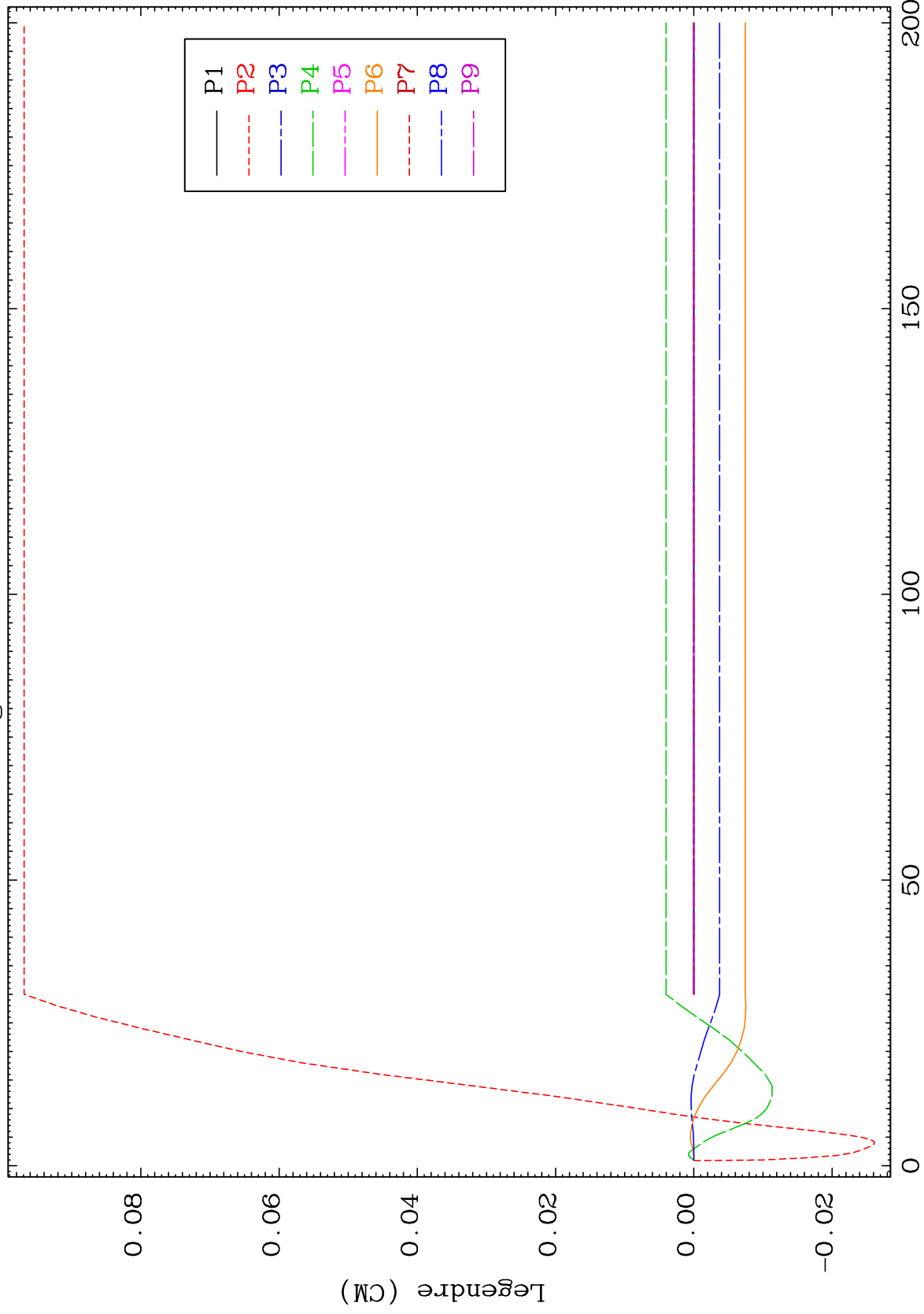




MAT 5922

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

59-Pr-140



59-Pr-140

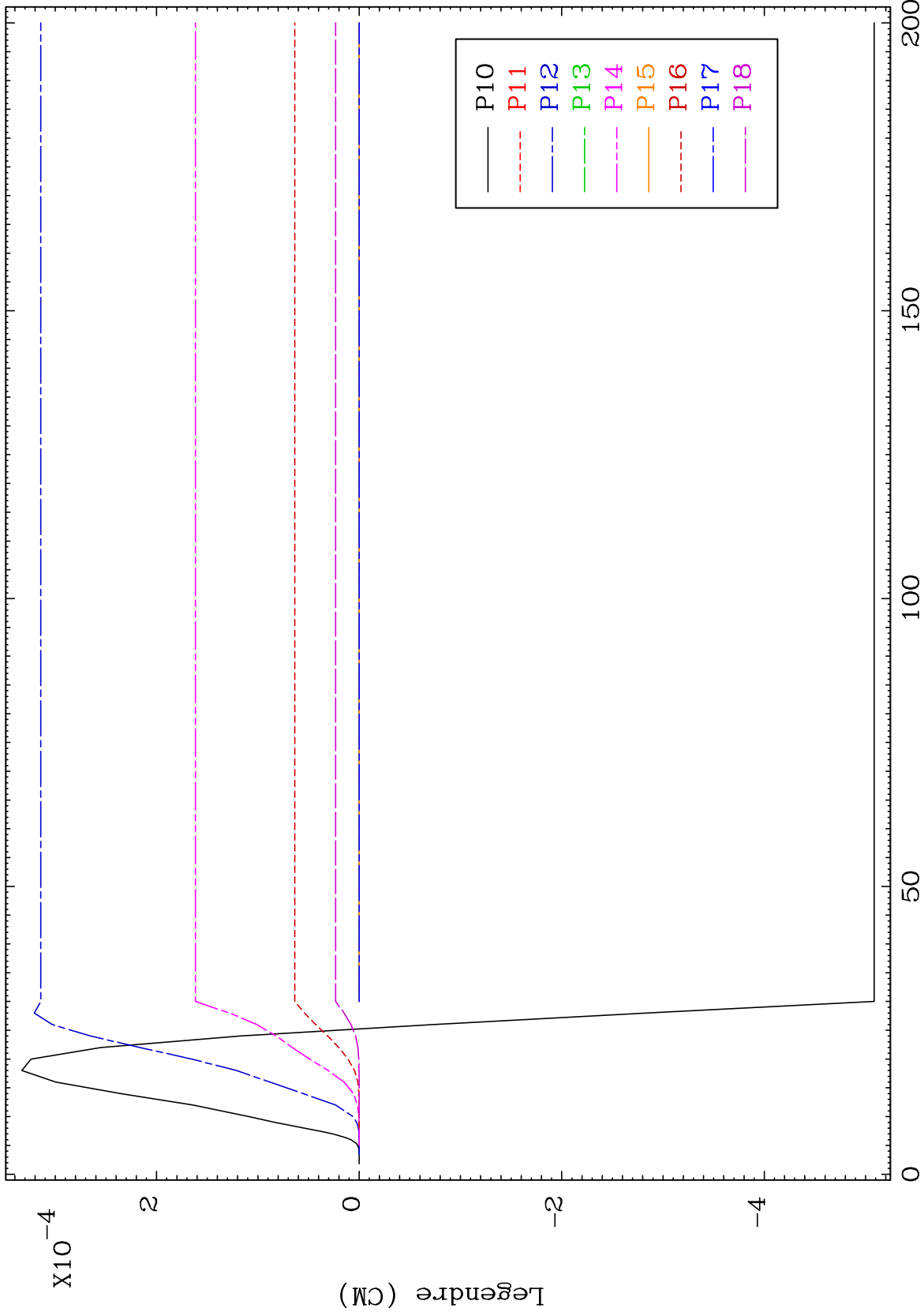
Incident Energy (MeV)

73

MAT 5922

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

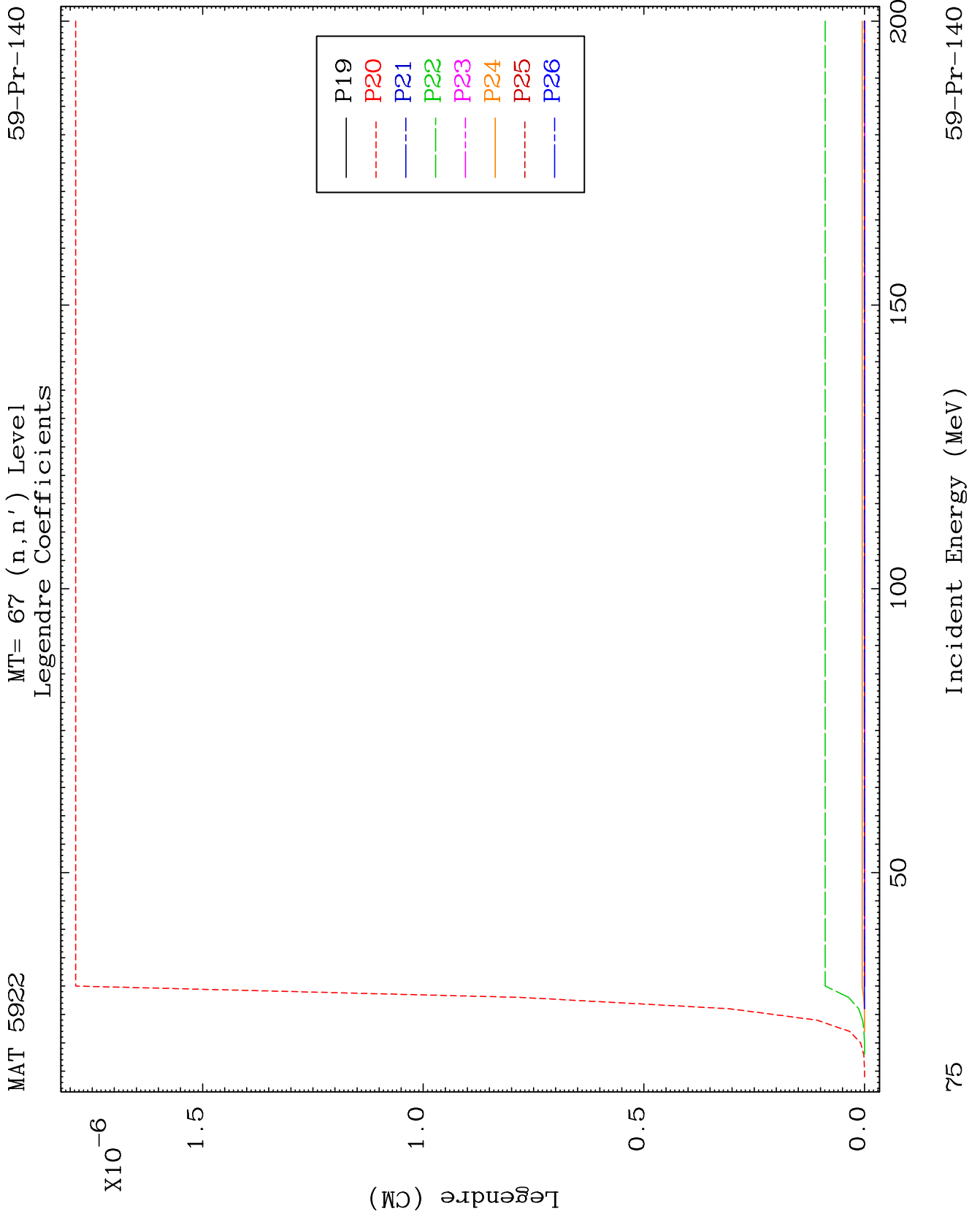
59-Pr-140



74

Incident Energy (MeV)

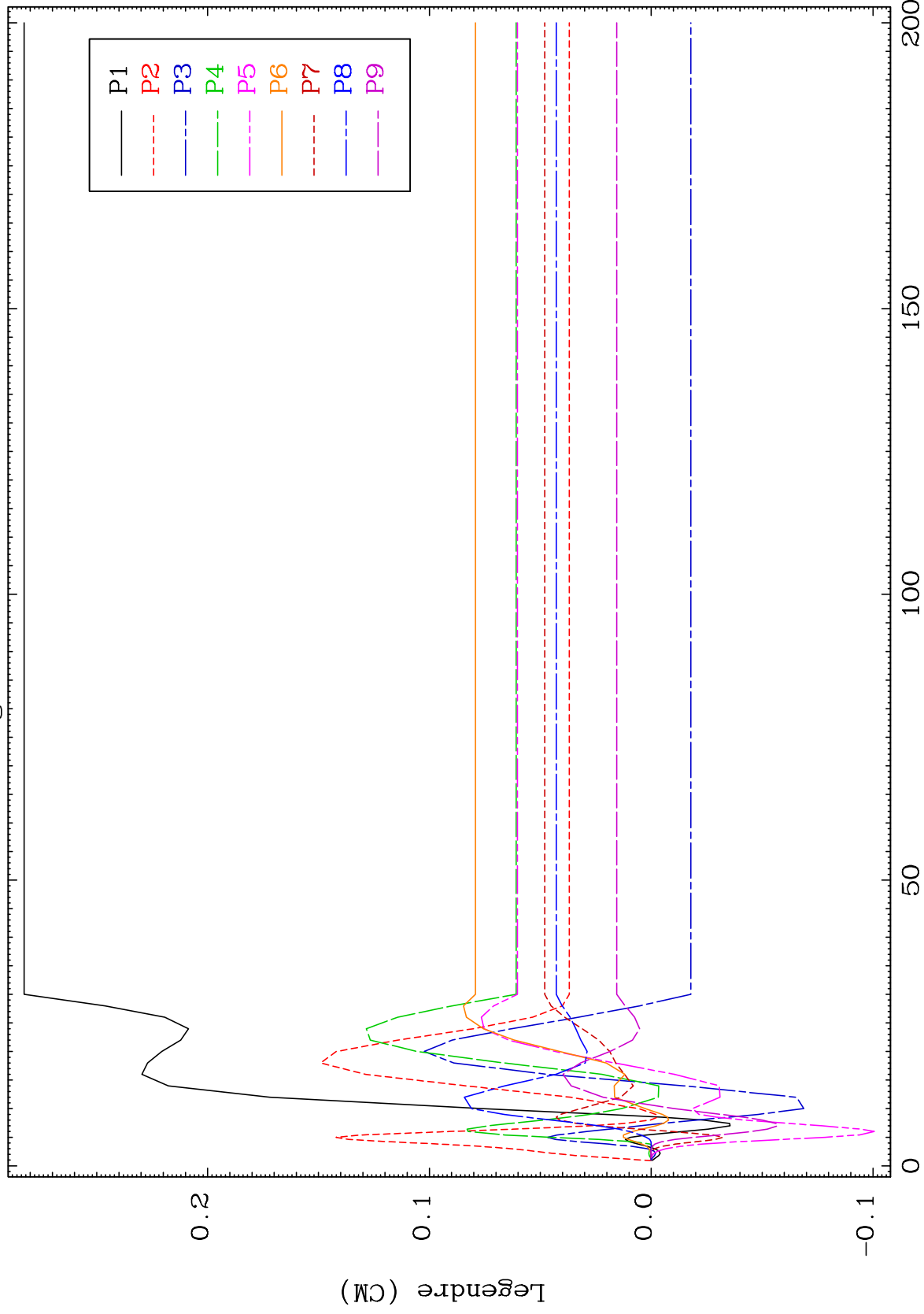
59-Pr-140



MAT 5922

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

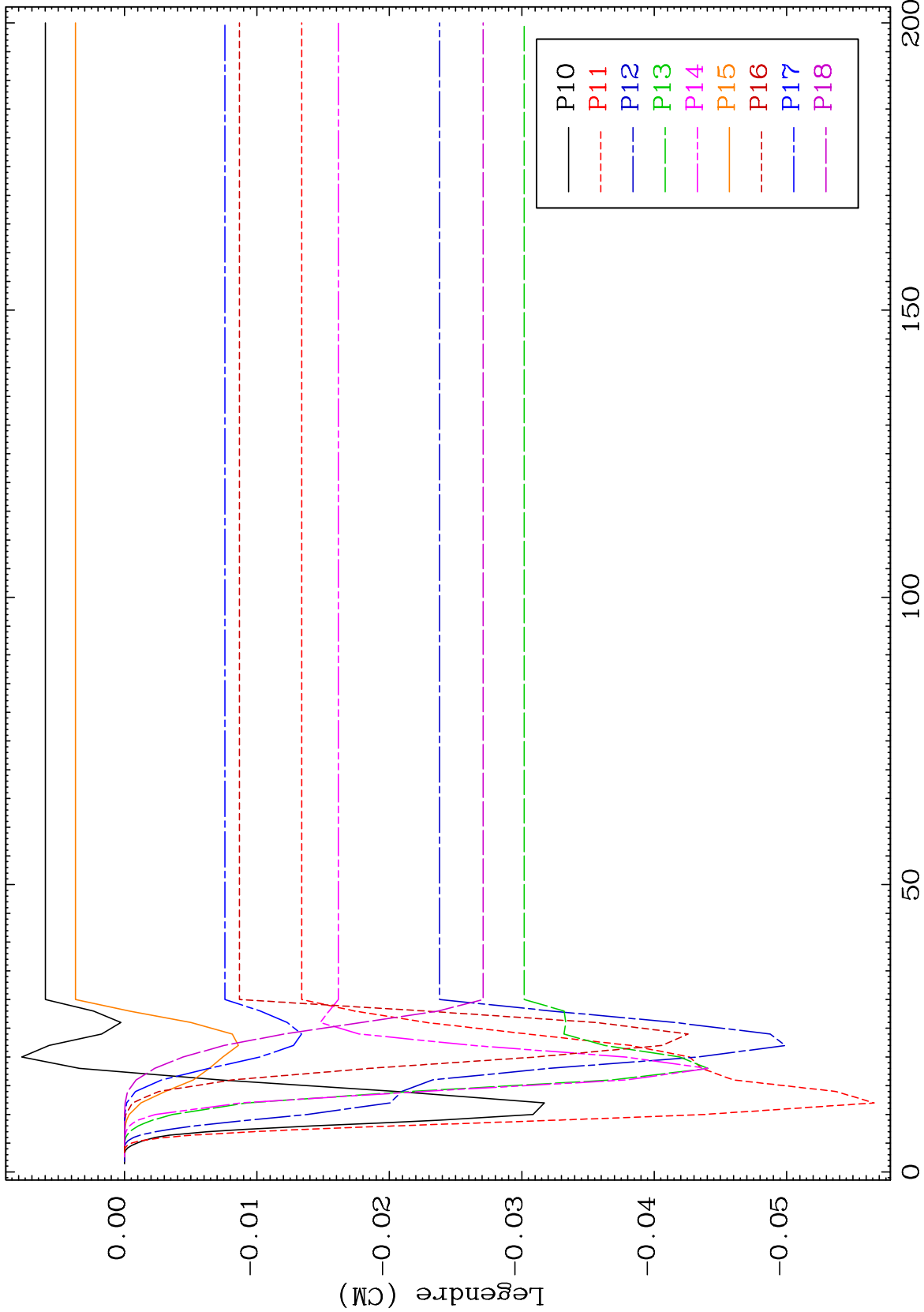
59-Pr-140

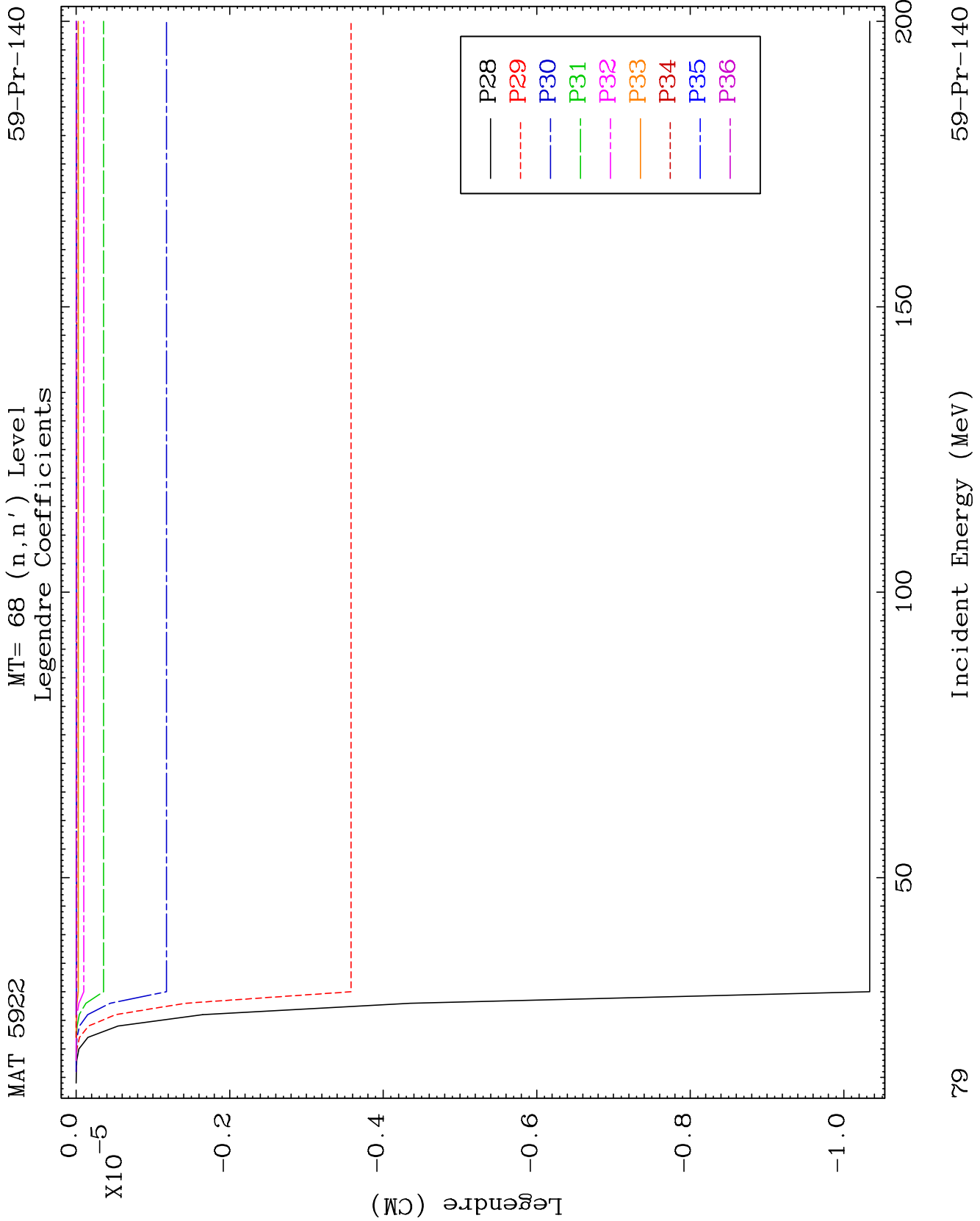


76

Incident Energy (MeV)

59-Pr-140

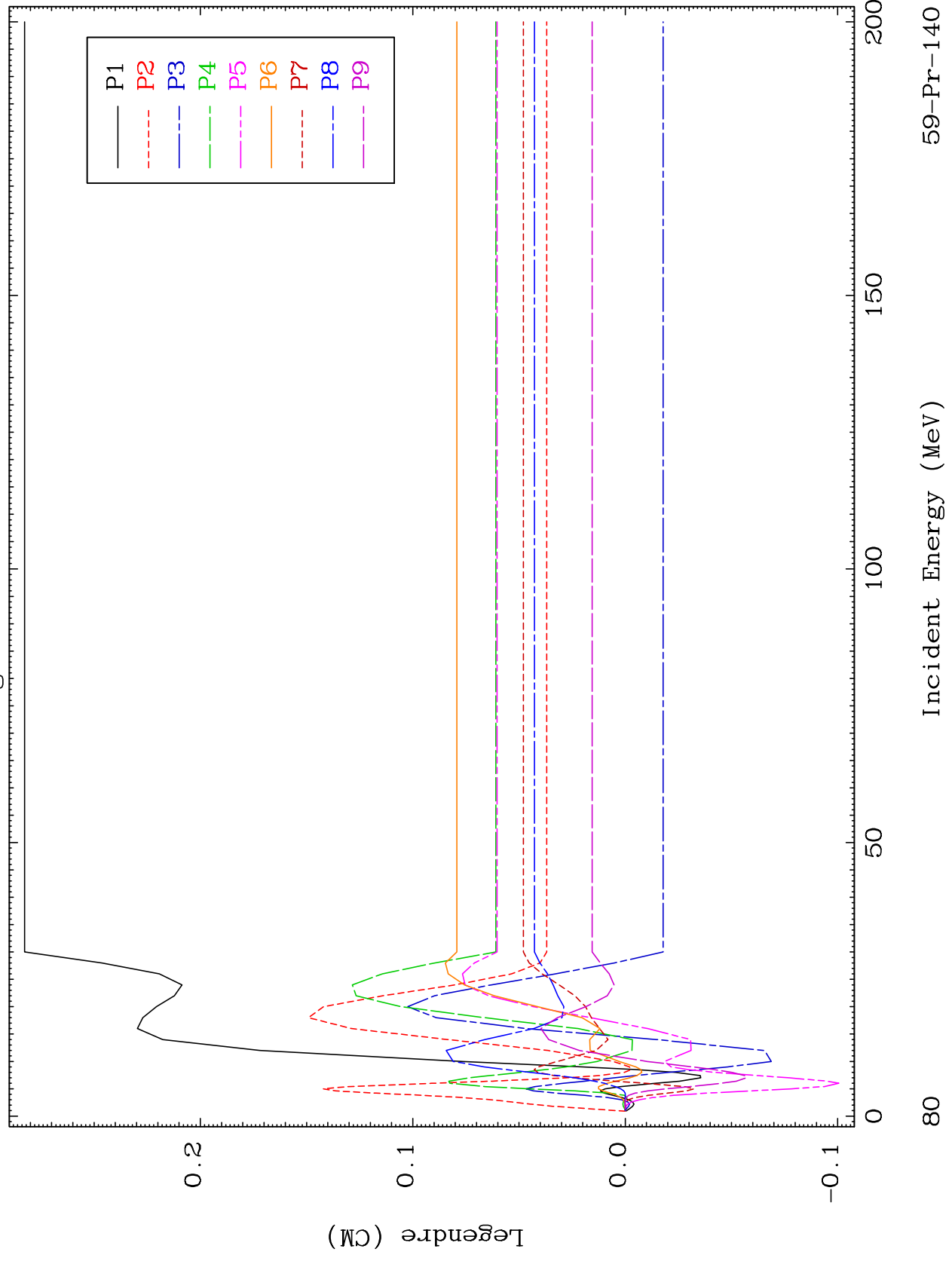




MAT 5922

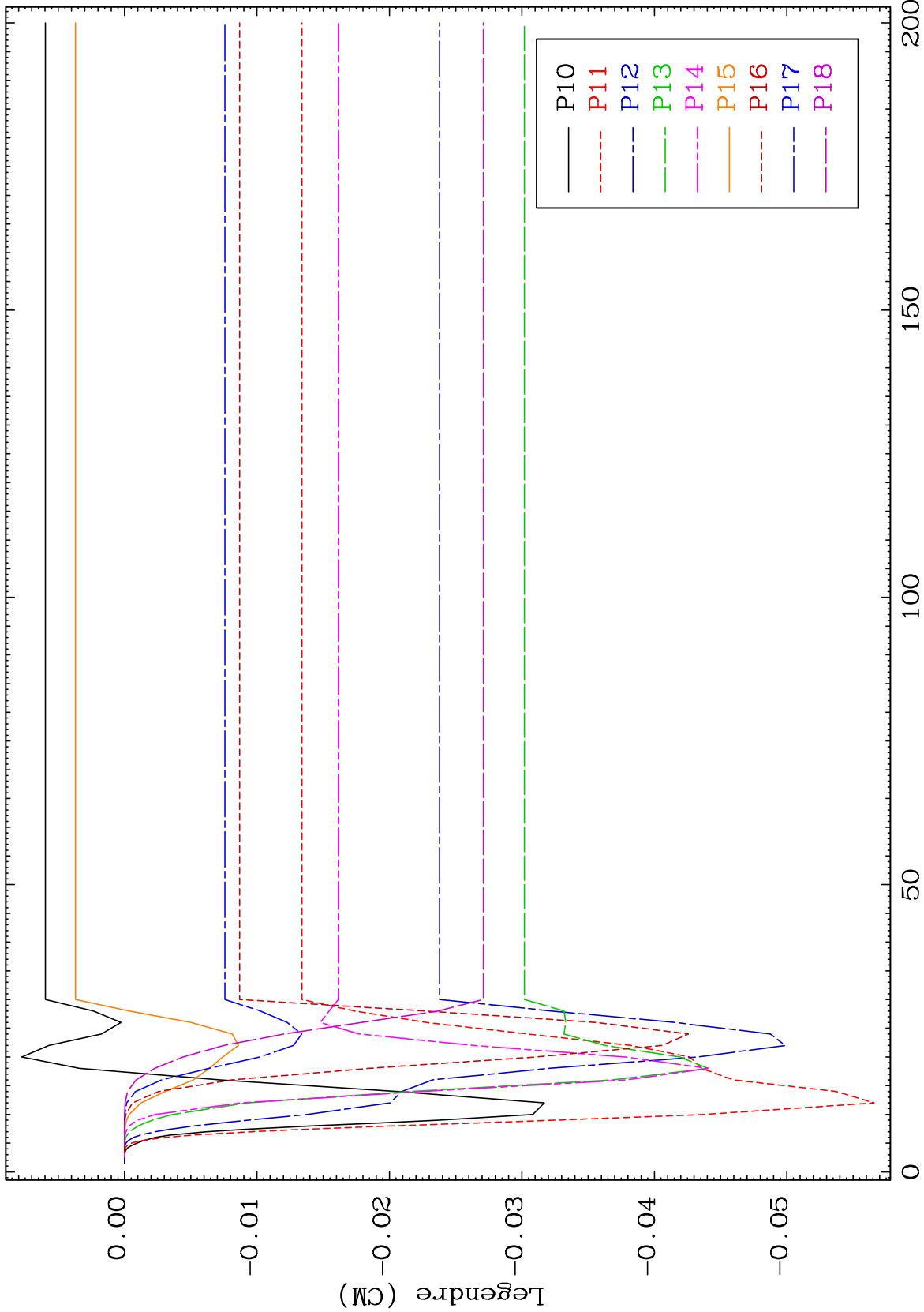
MT= 69 (n,n') Level
Legendre Coefficients

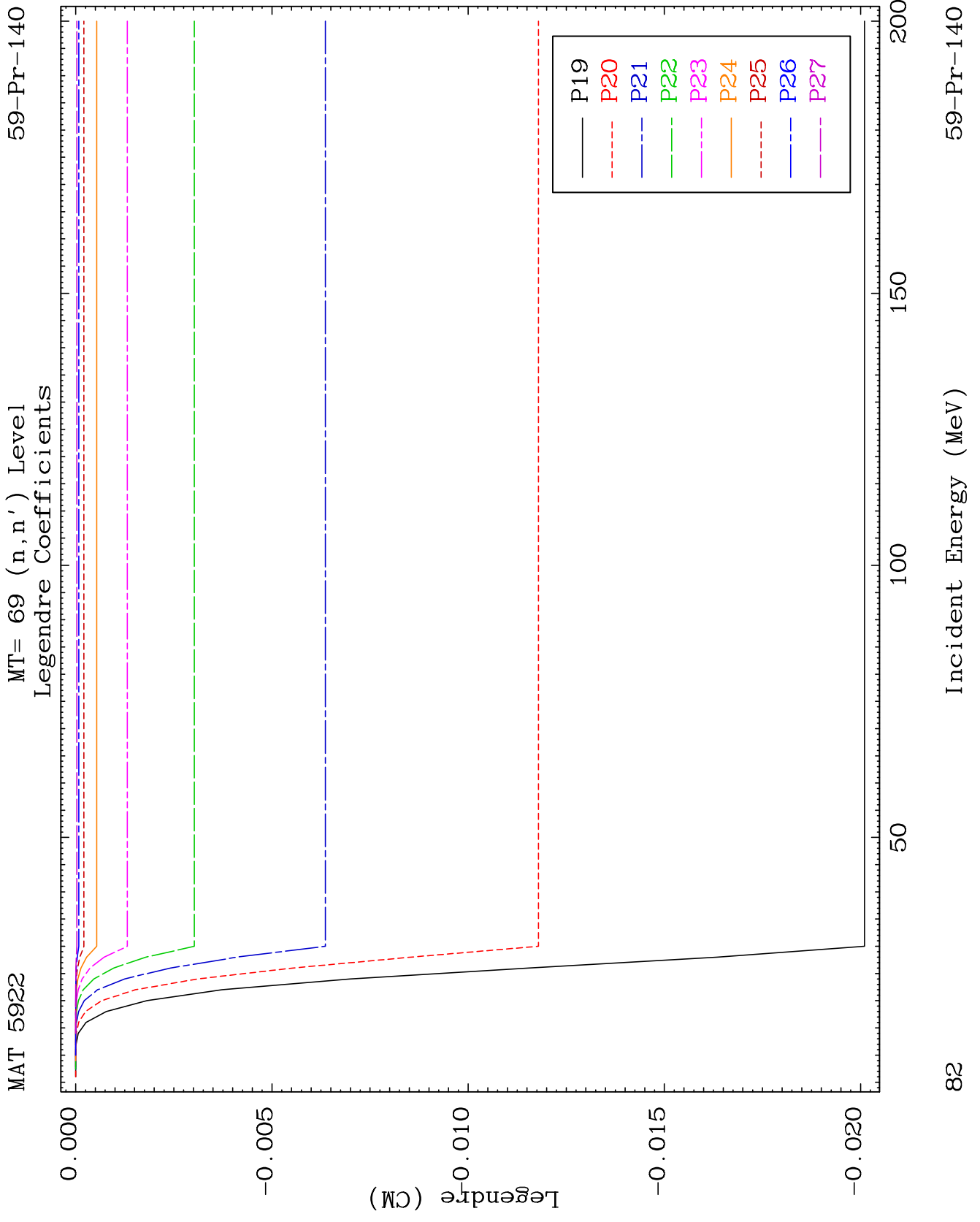
59-Pr-140

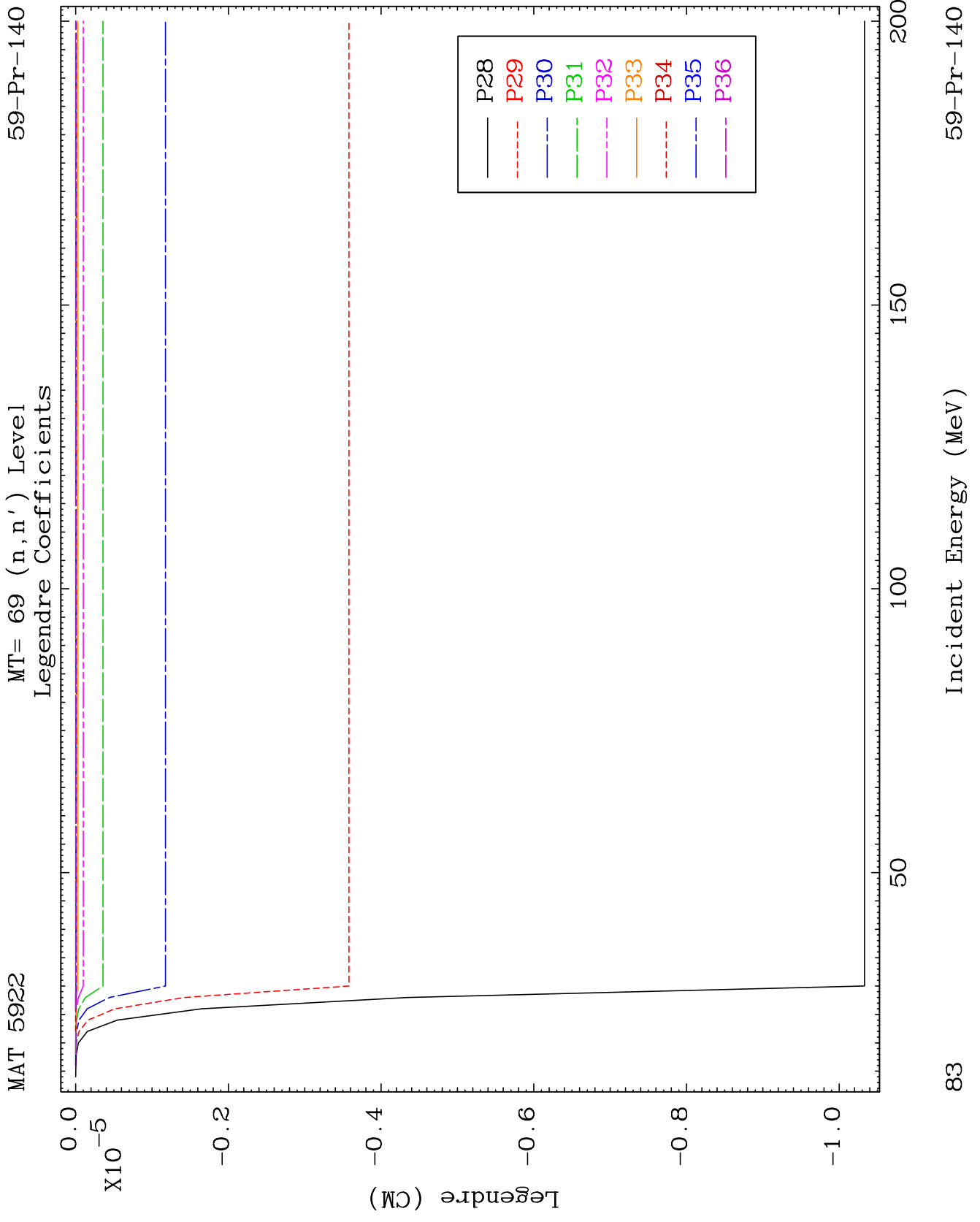


59-Pr-140

Incident Energy (MeV)



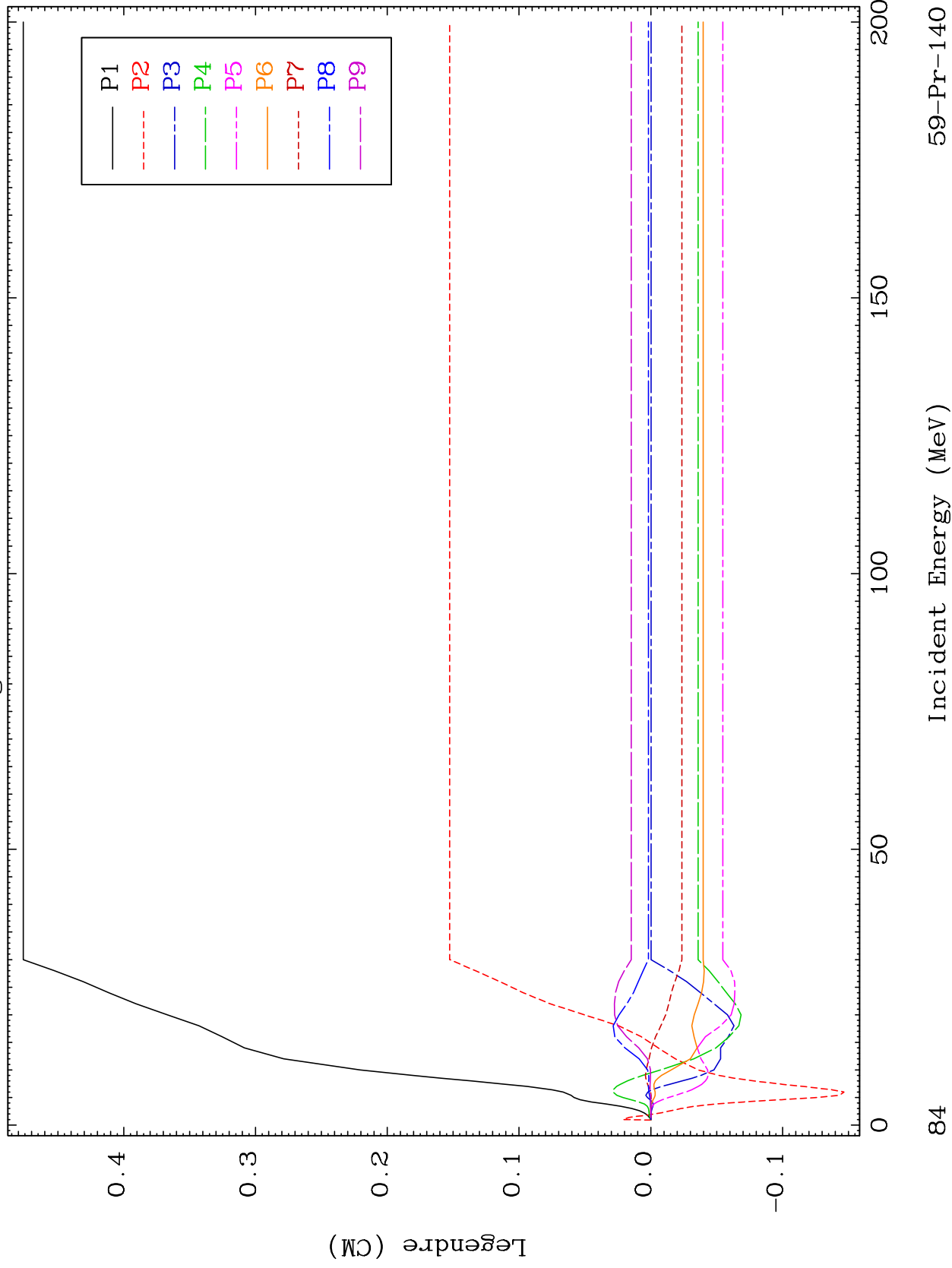




MAT 5922

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

59-Pr-140



59-Pr-140

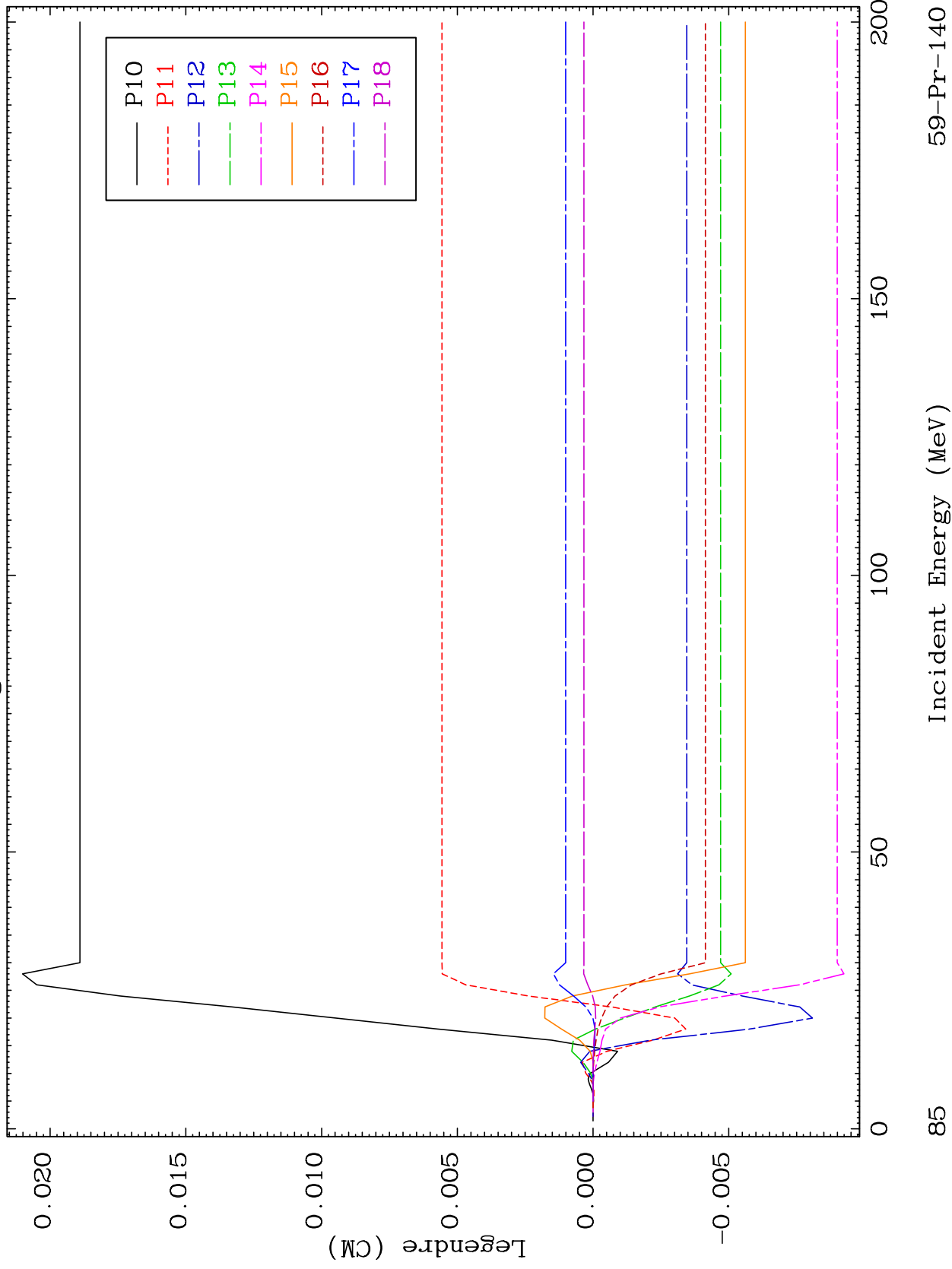
Incident Energy (MeV)

84

MAT 5922

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

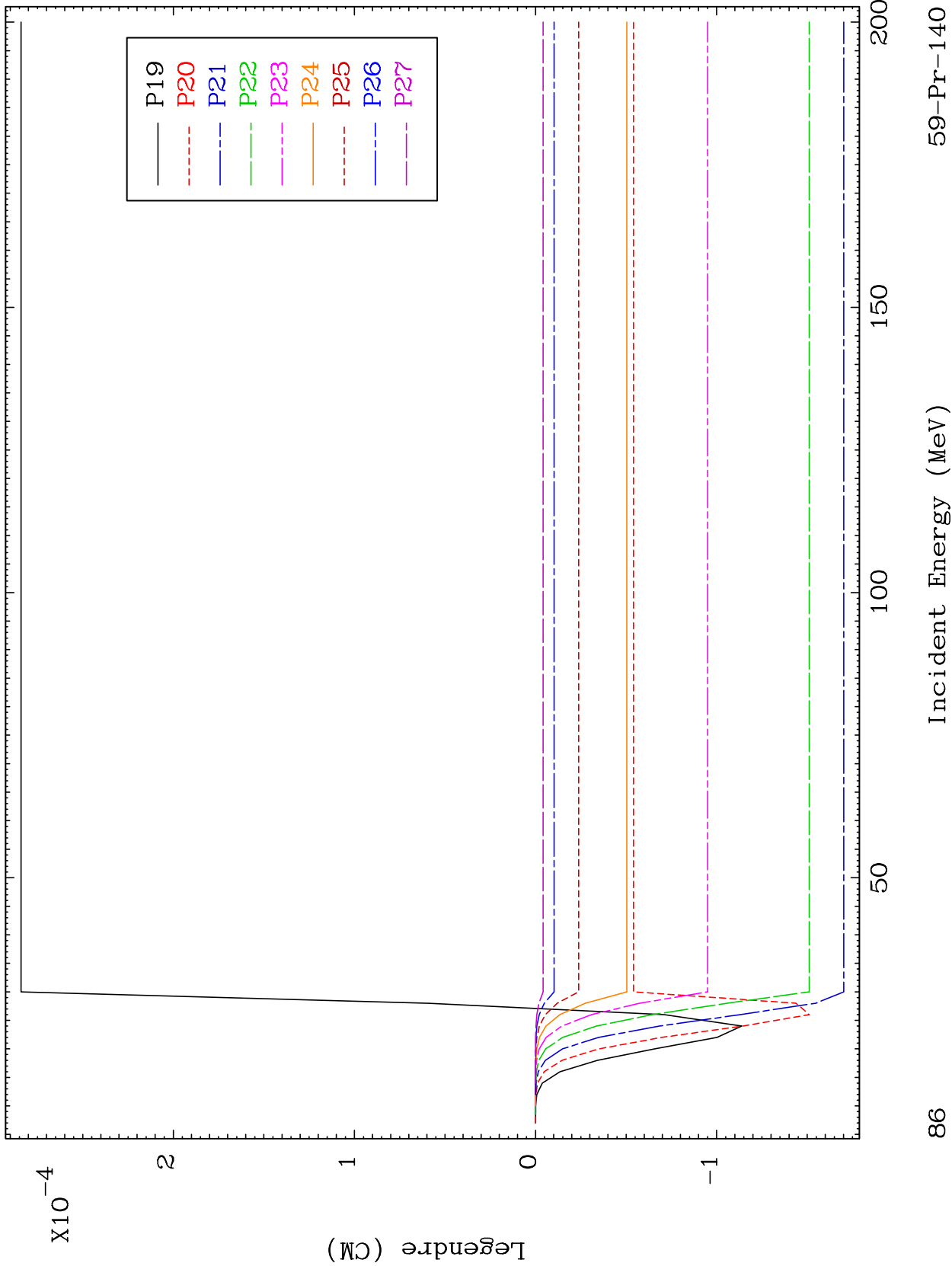
59-Pr-140



85

Incident Energy (MeV)

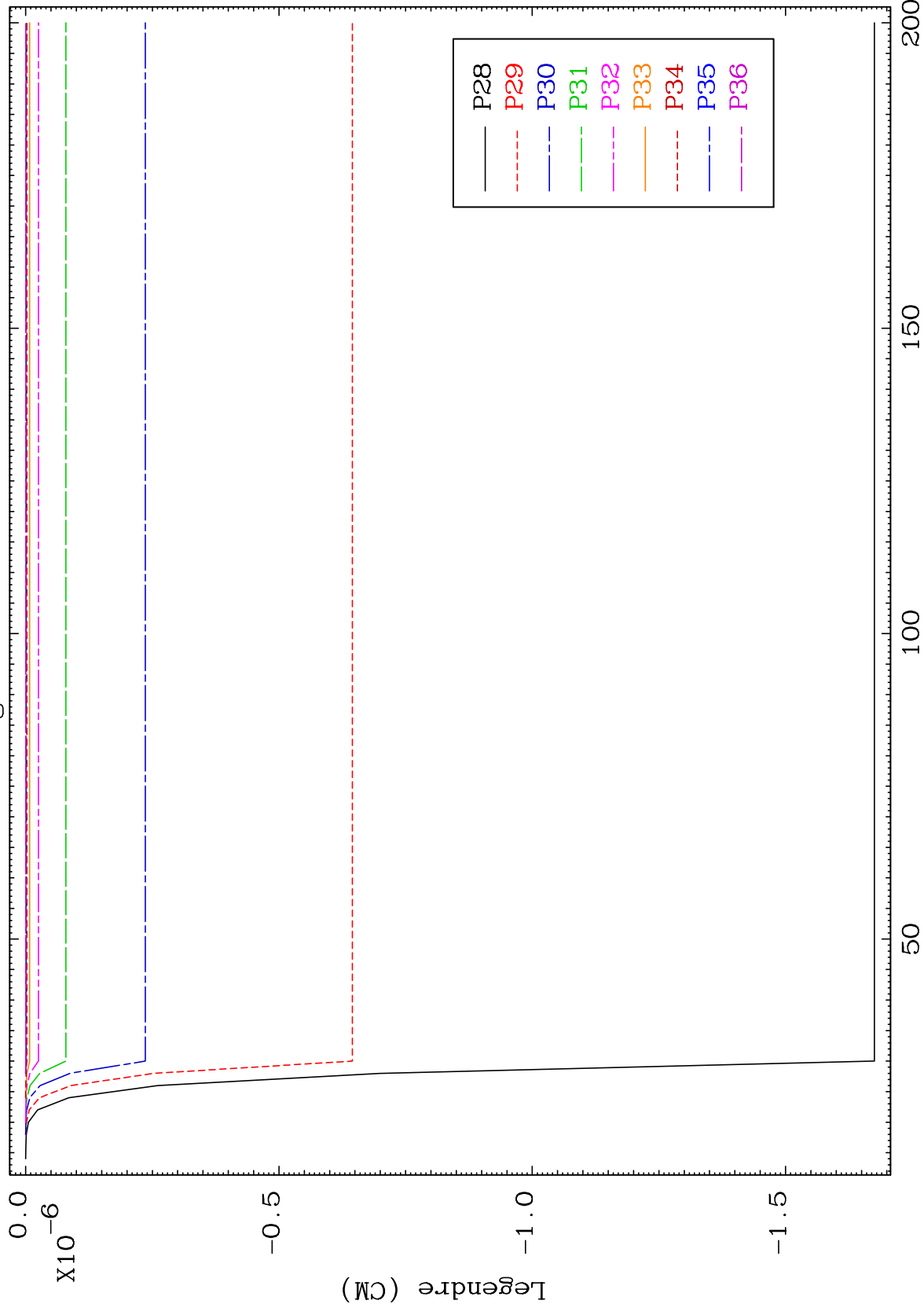
59-Pr-140



MAT 5922

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

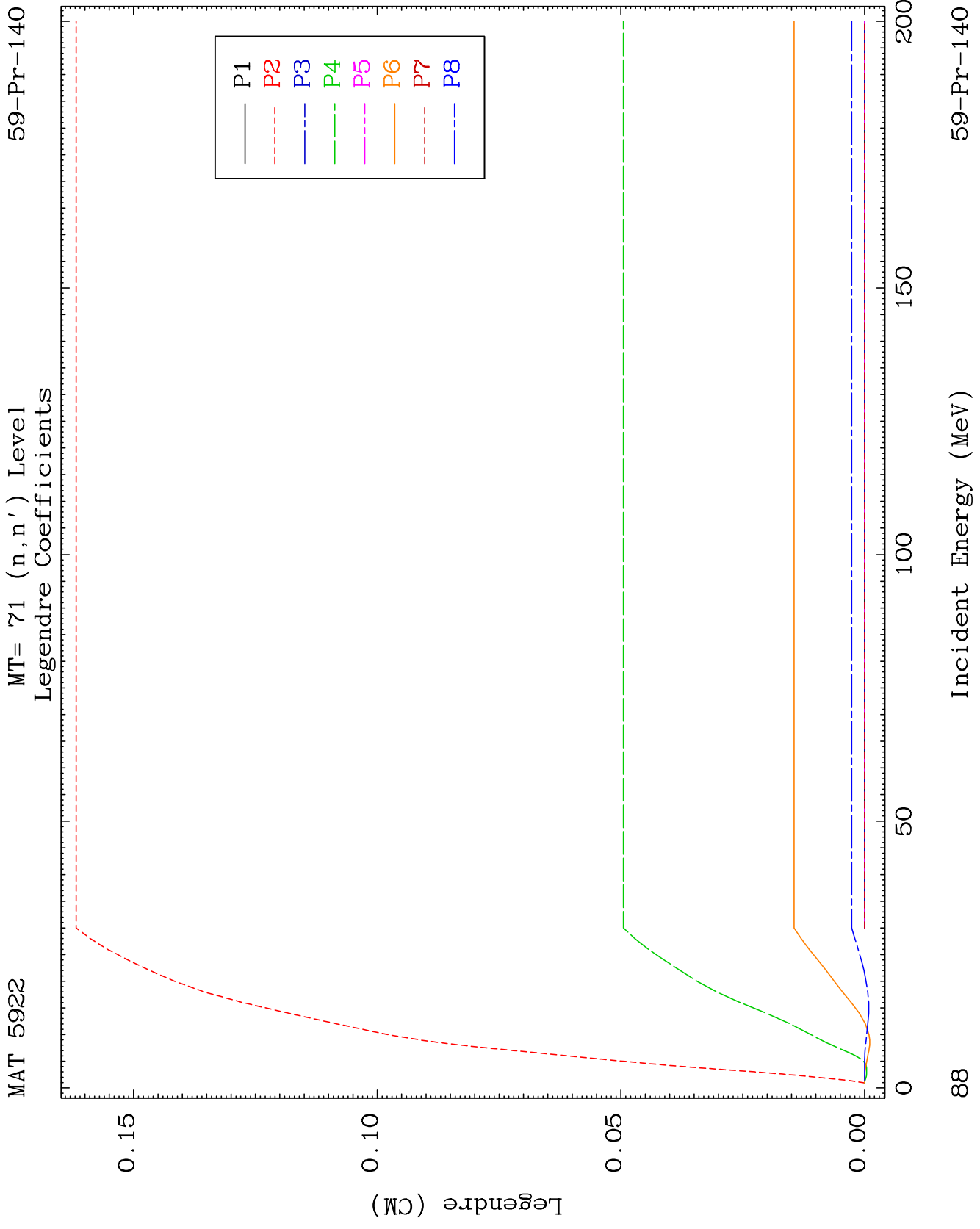
59-Pr-140



87

Incident Energy (MeV)

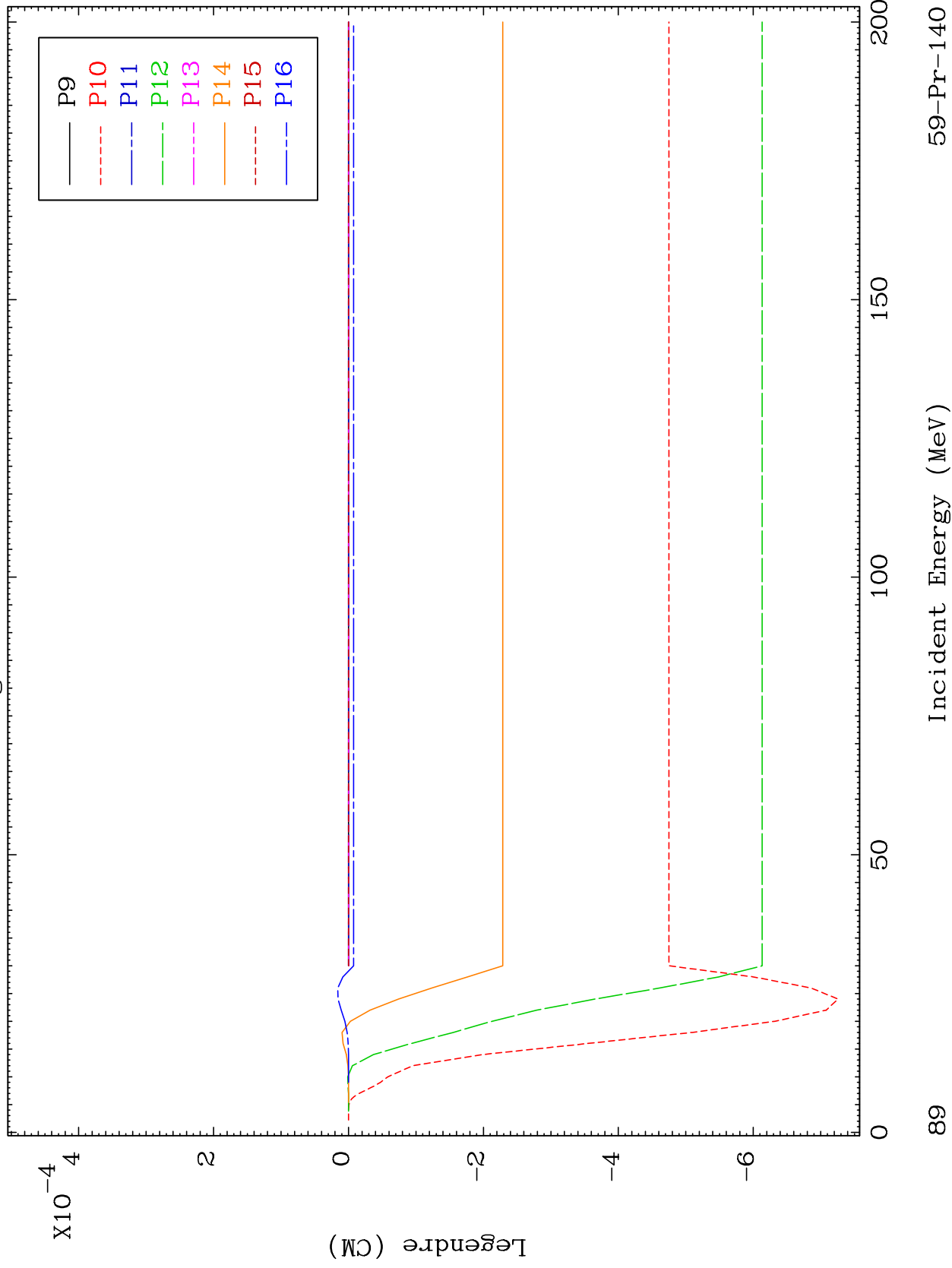
59-Pr-140



MAT 5922

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

59-Pr-140



59-Pr-140

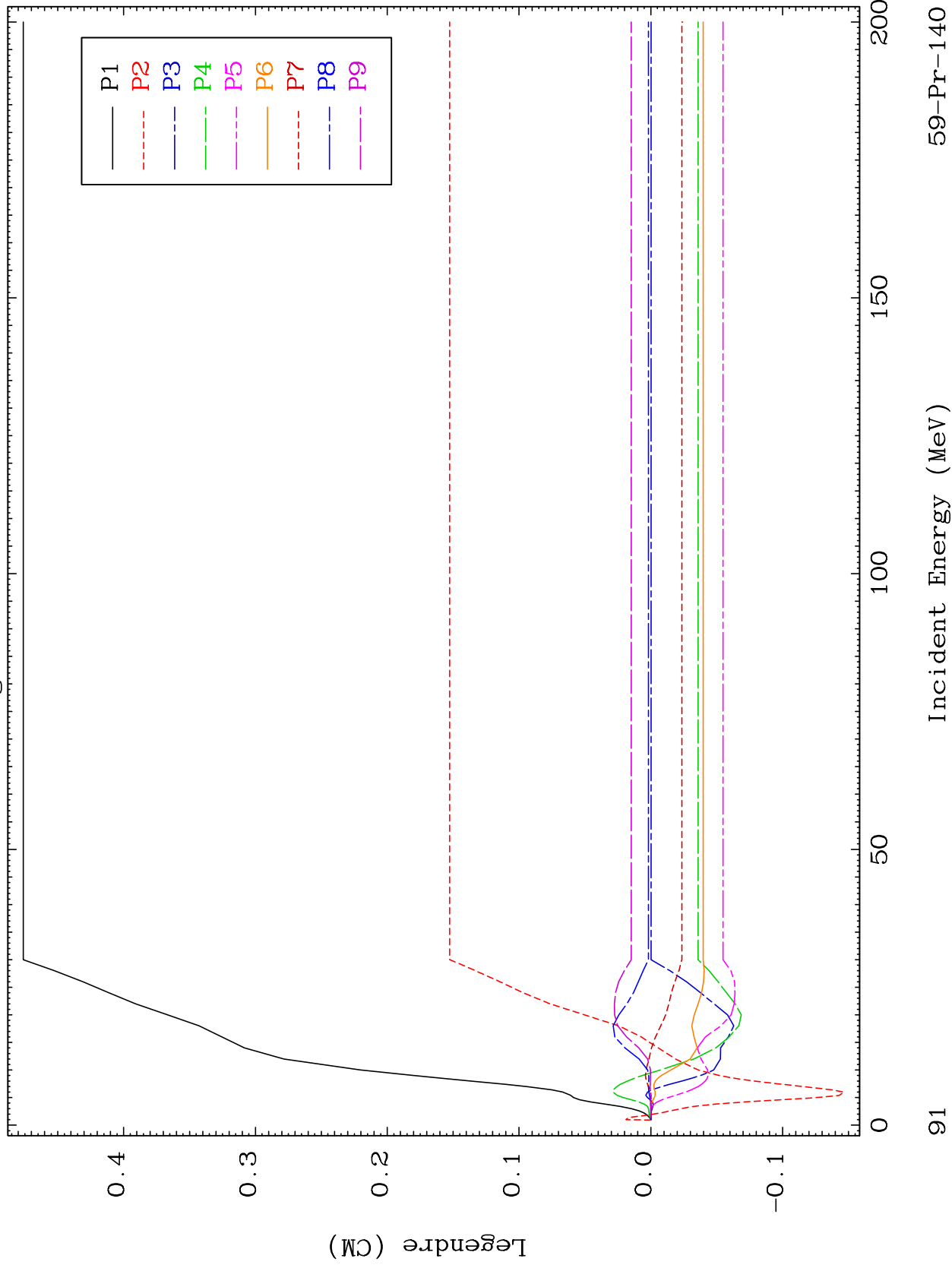
Incident Energy (MeV)

89

MAT 5922

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

59-Pr-140



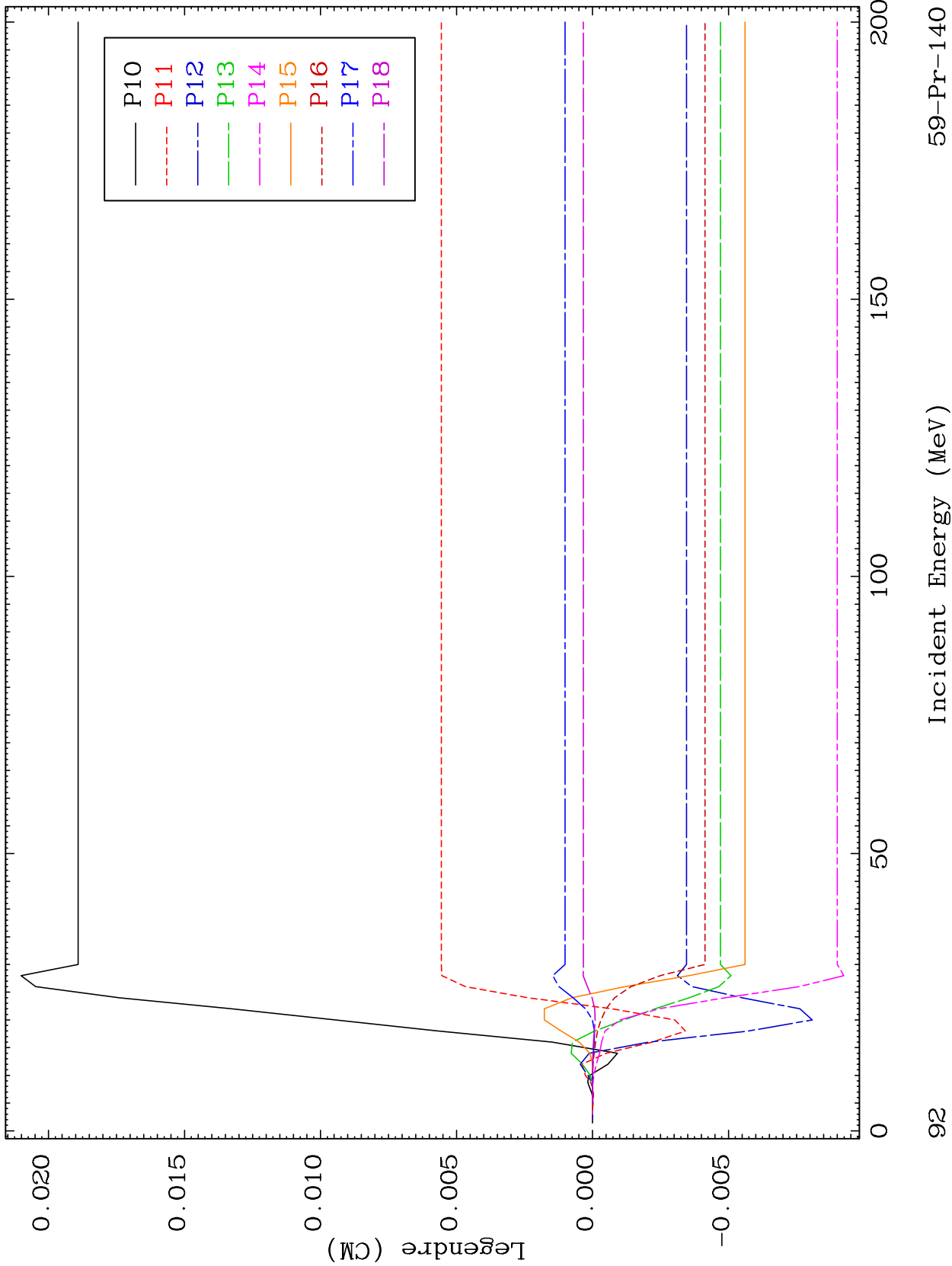
91

59-Pr-140

MAT 5922

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

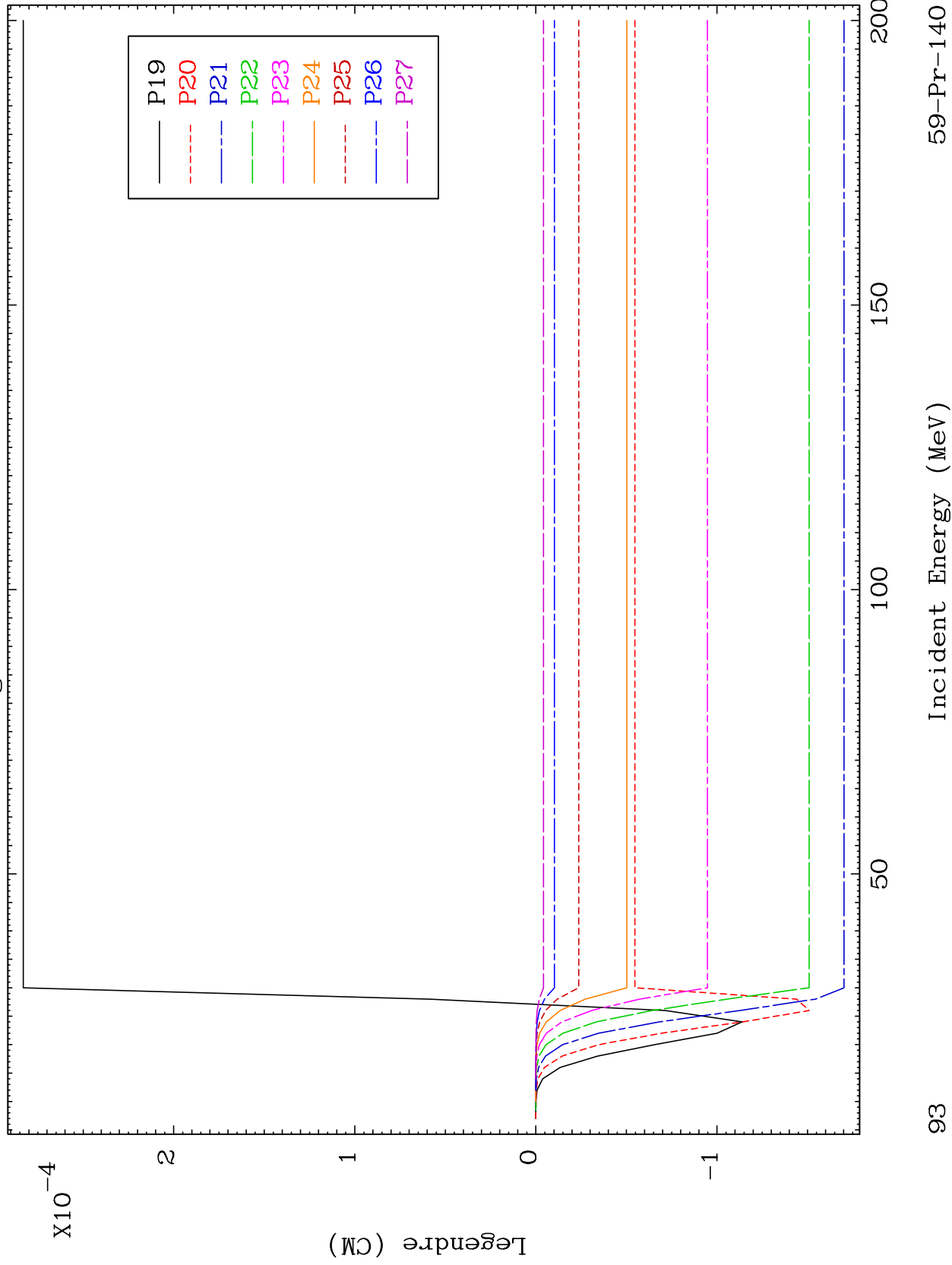
59-Pr-140



92

Incident Energy (MeV)

59-Pr-140

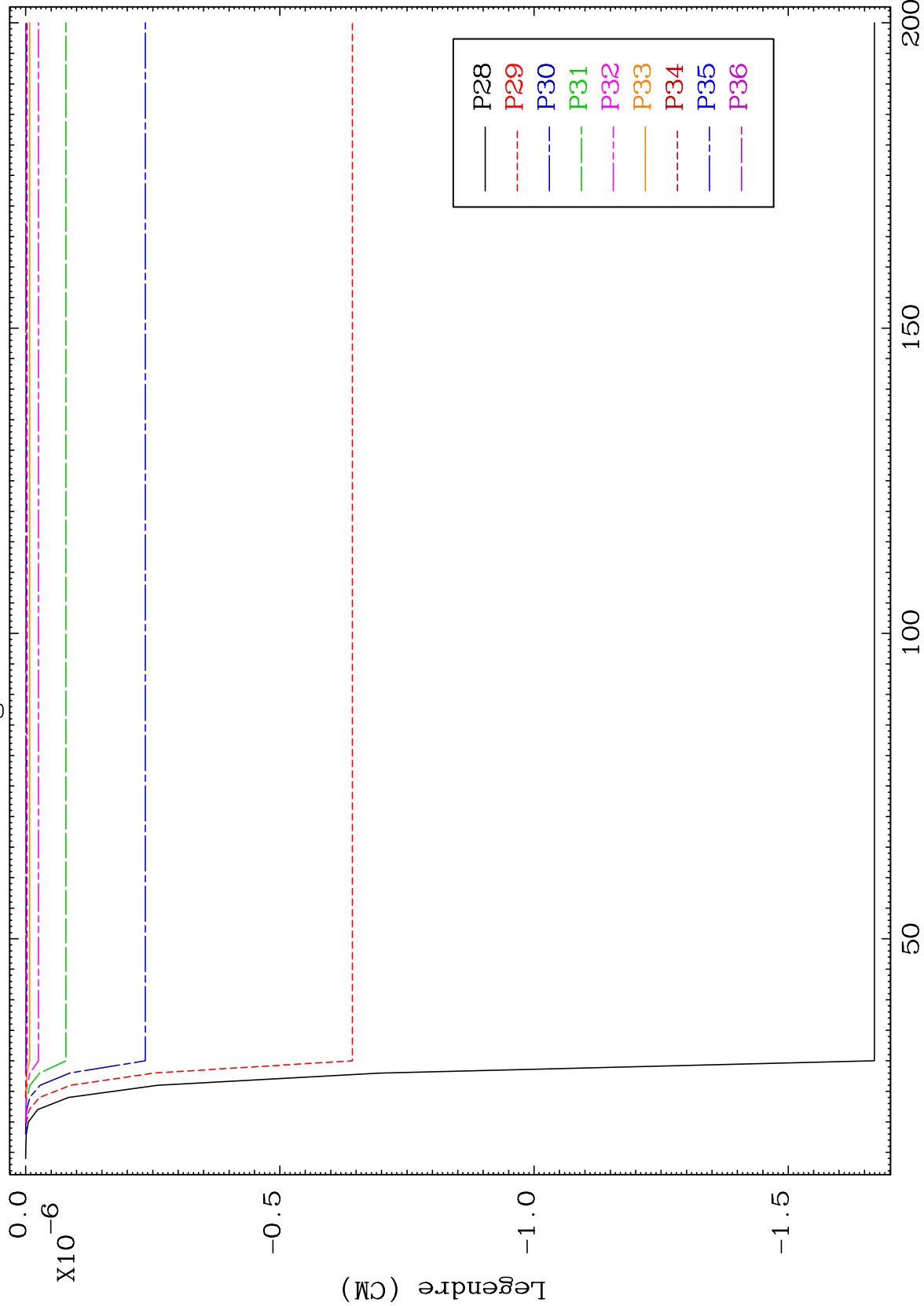


MAT 5922

MT= 72 (n,n') Level

59-Pr-140

Legendre Coefficients

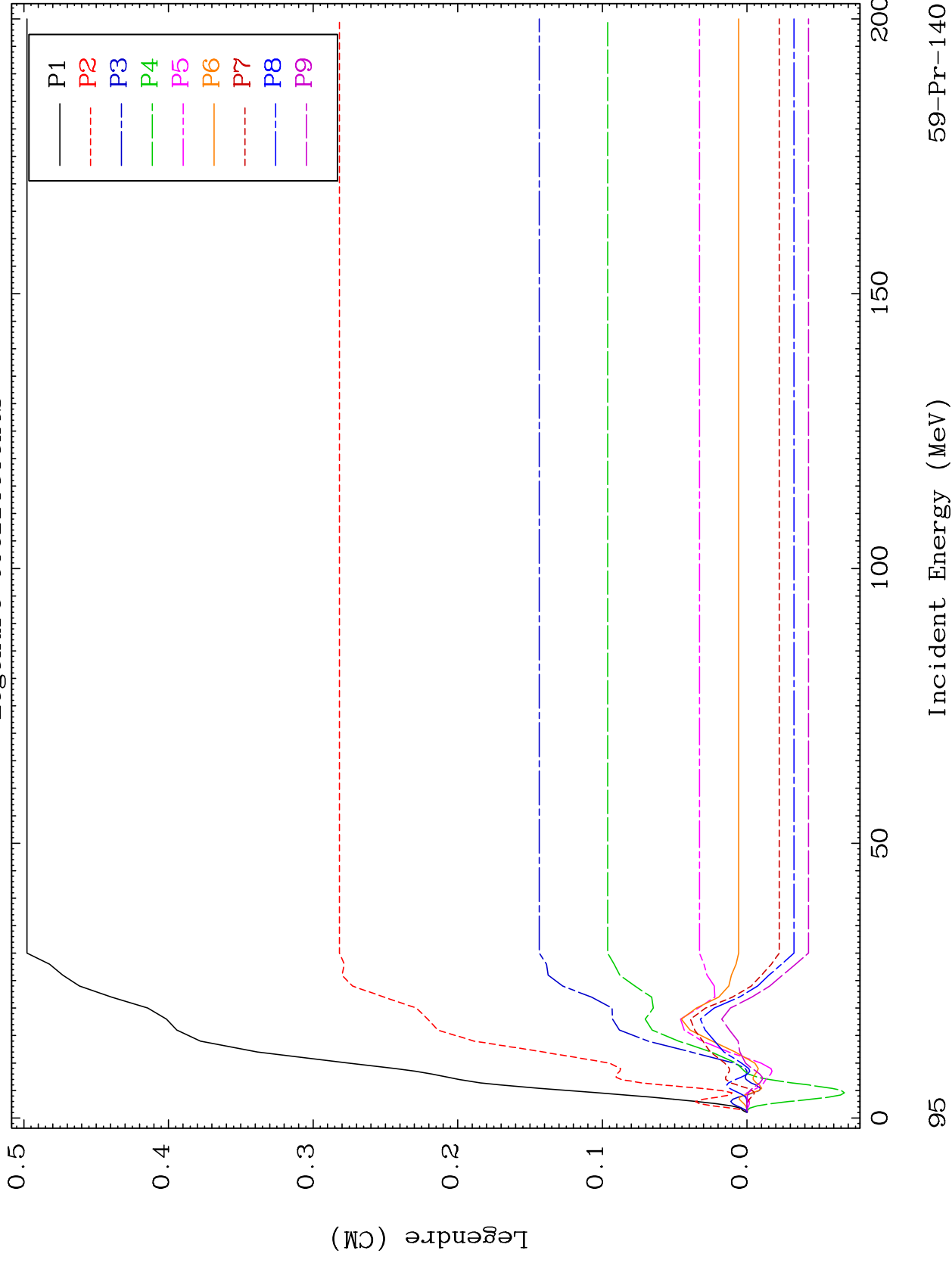


MAT 5922

MT= 73 (n,n') Level

59-Pr-140

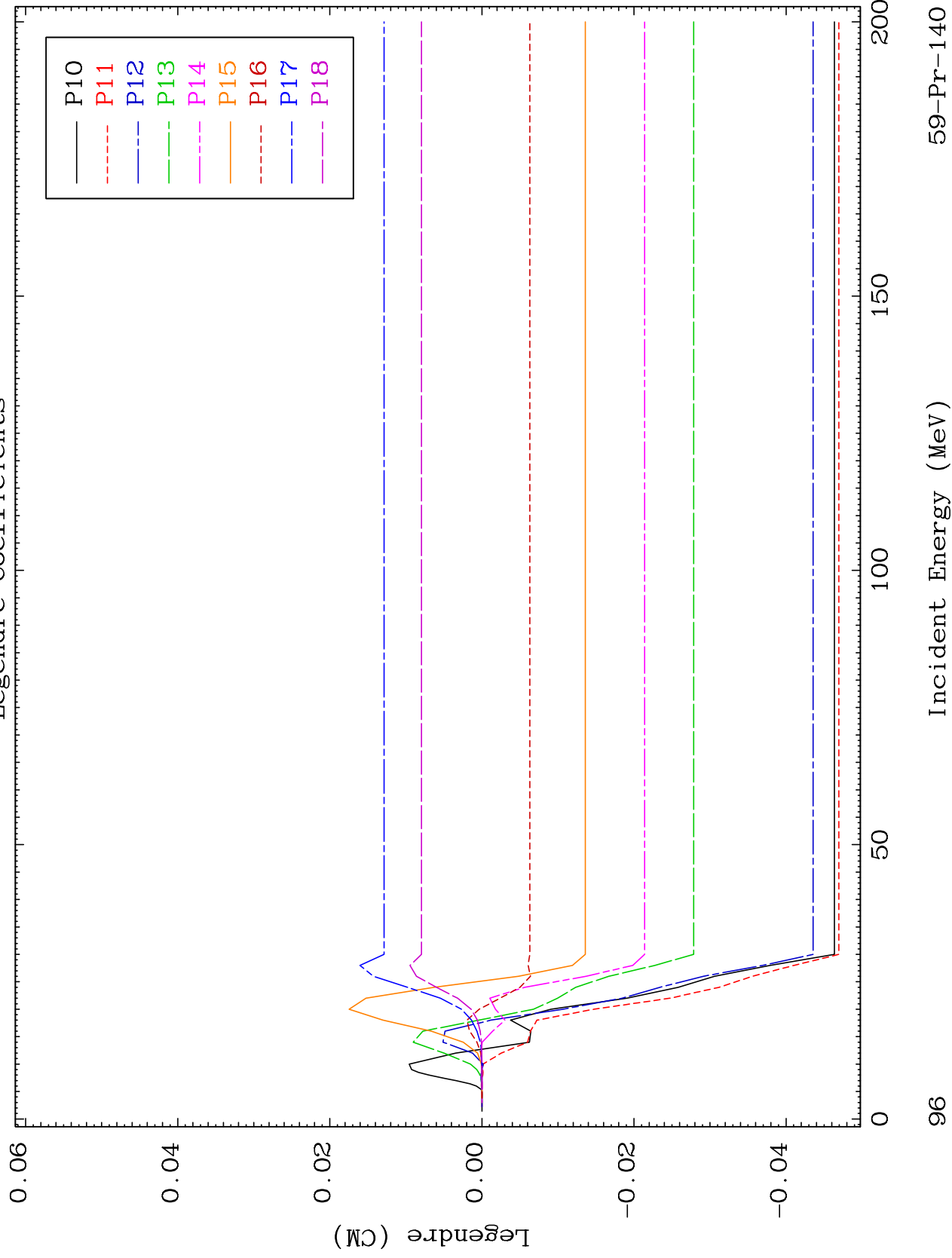
Legendre Coefficients



MAT 5922

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

59-Pr-140



96

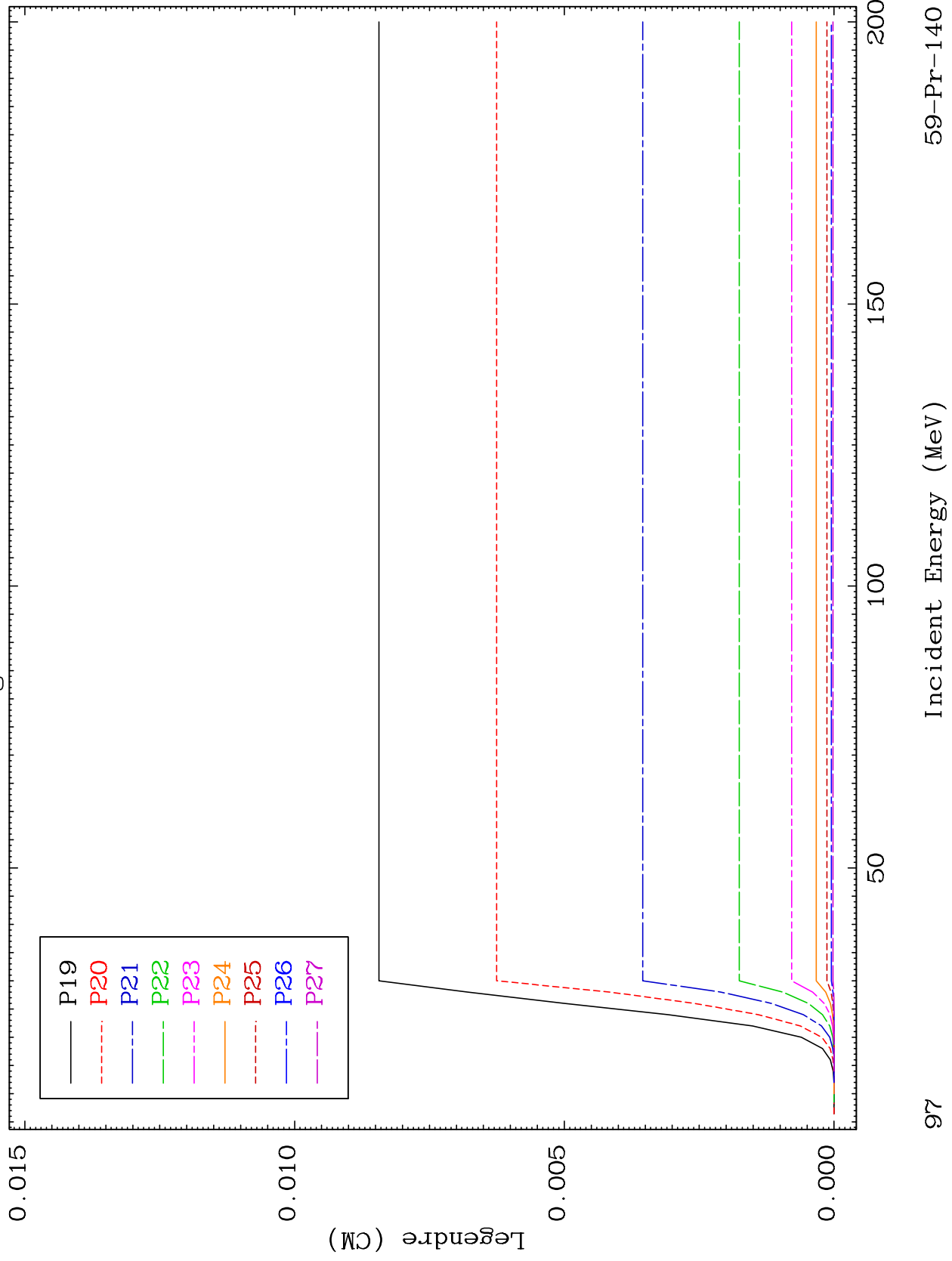
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

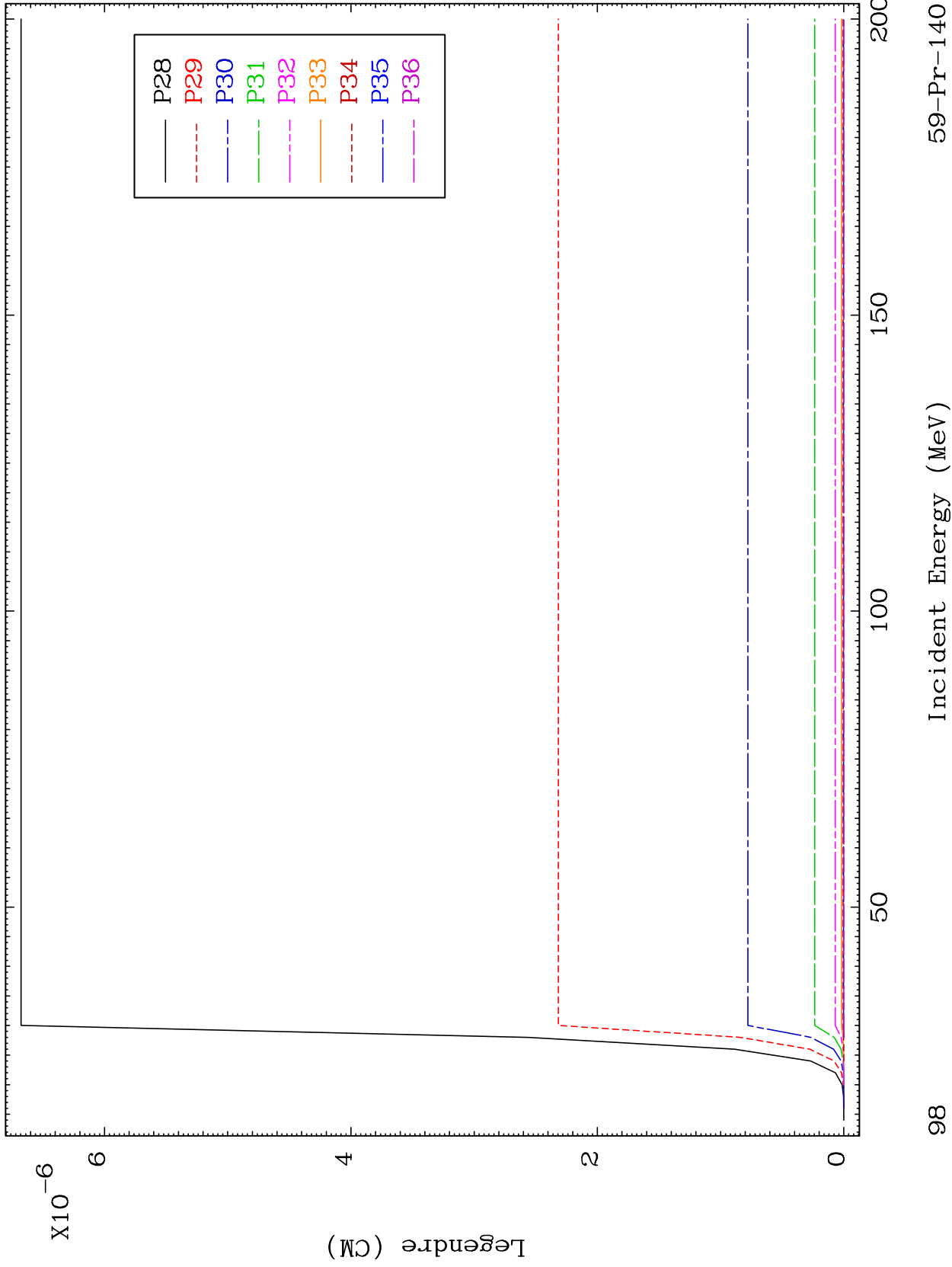
59-Pr-140



MAT 5922

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

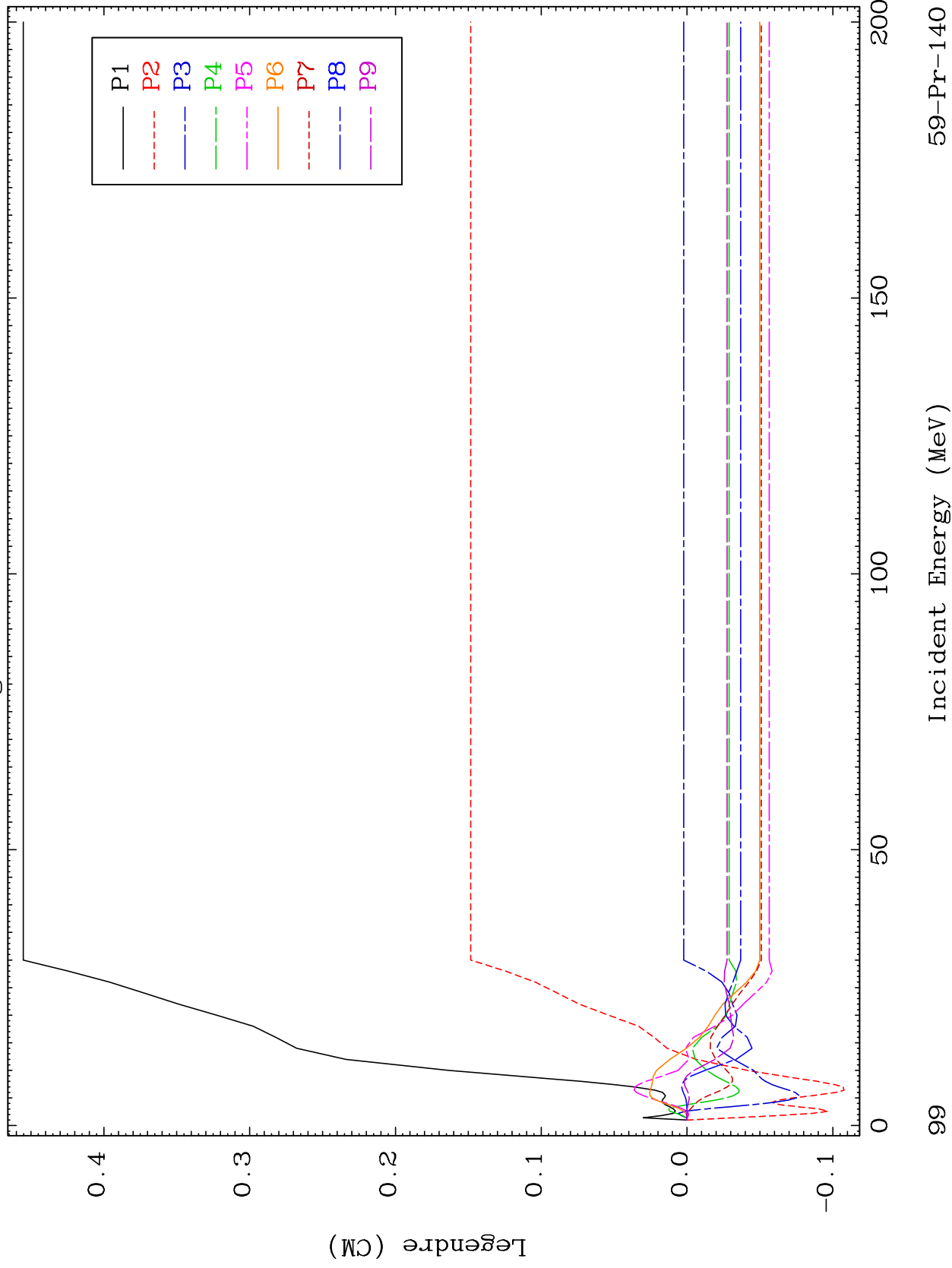
59-Pr-140



MAT 5922

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

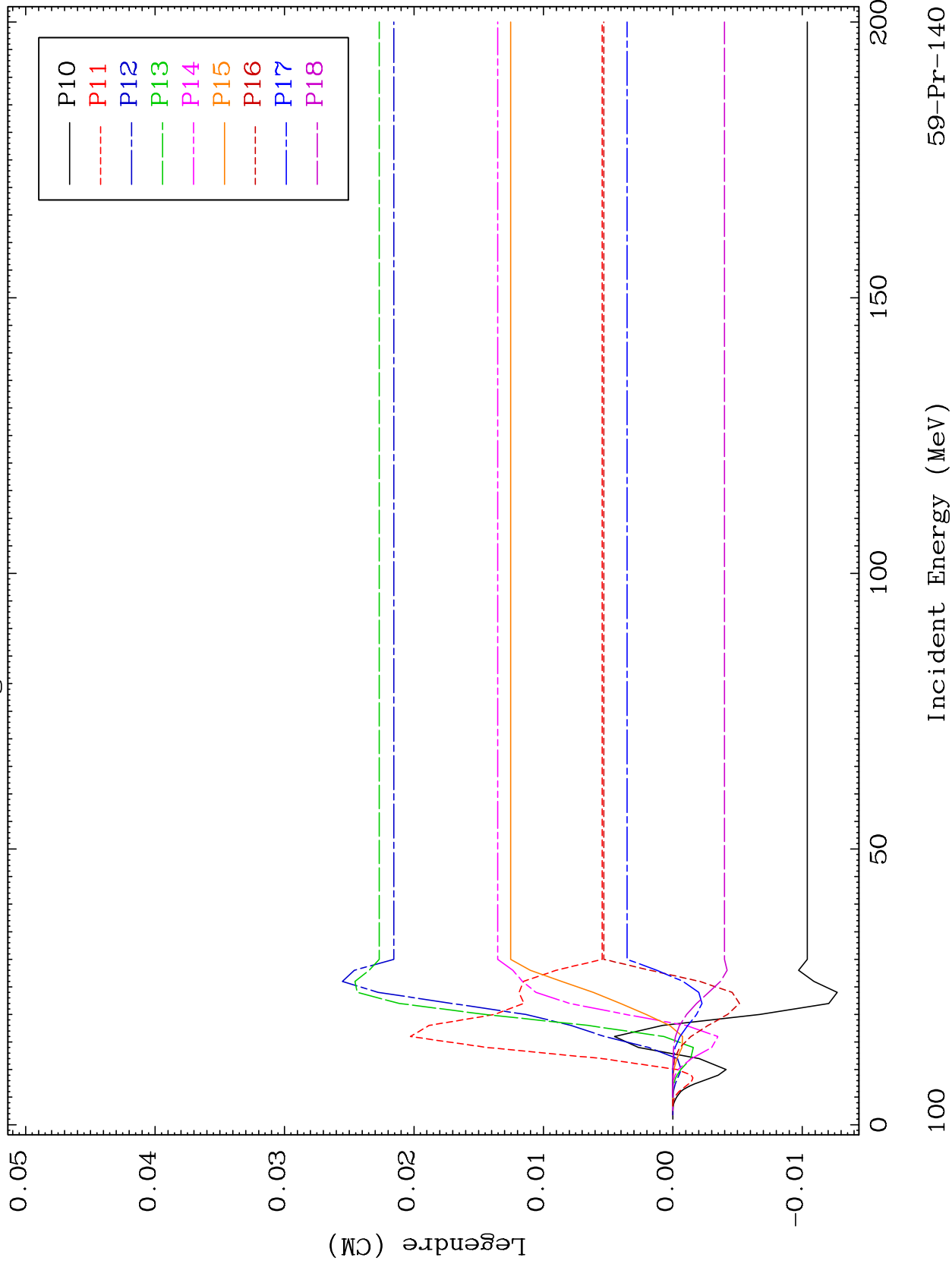
59-Pr-140



MAT 5922

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

59-Pr-140

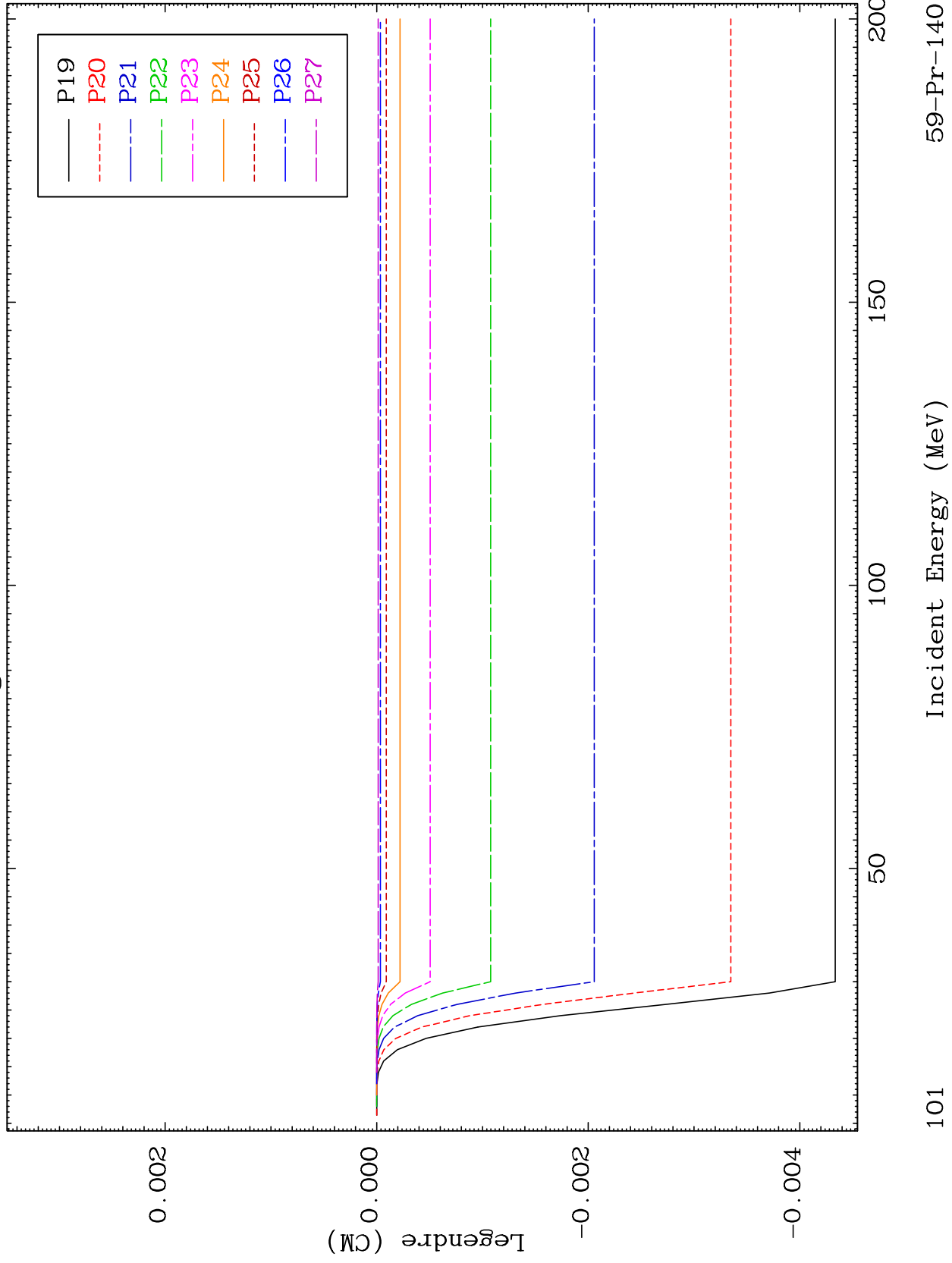


59-Pr-140

MAT 5922

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

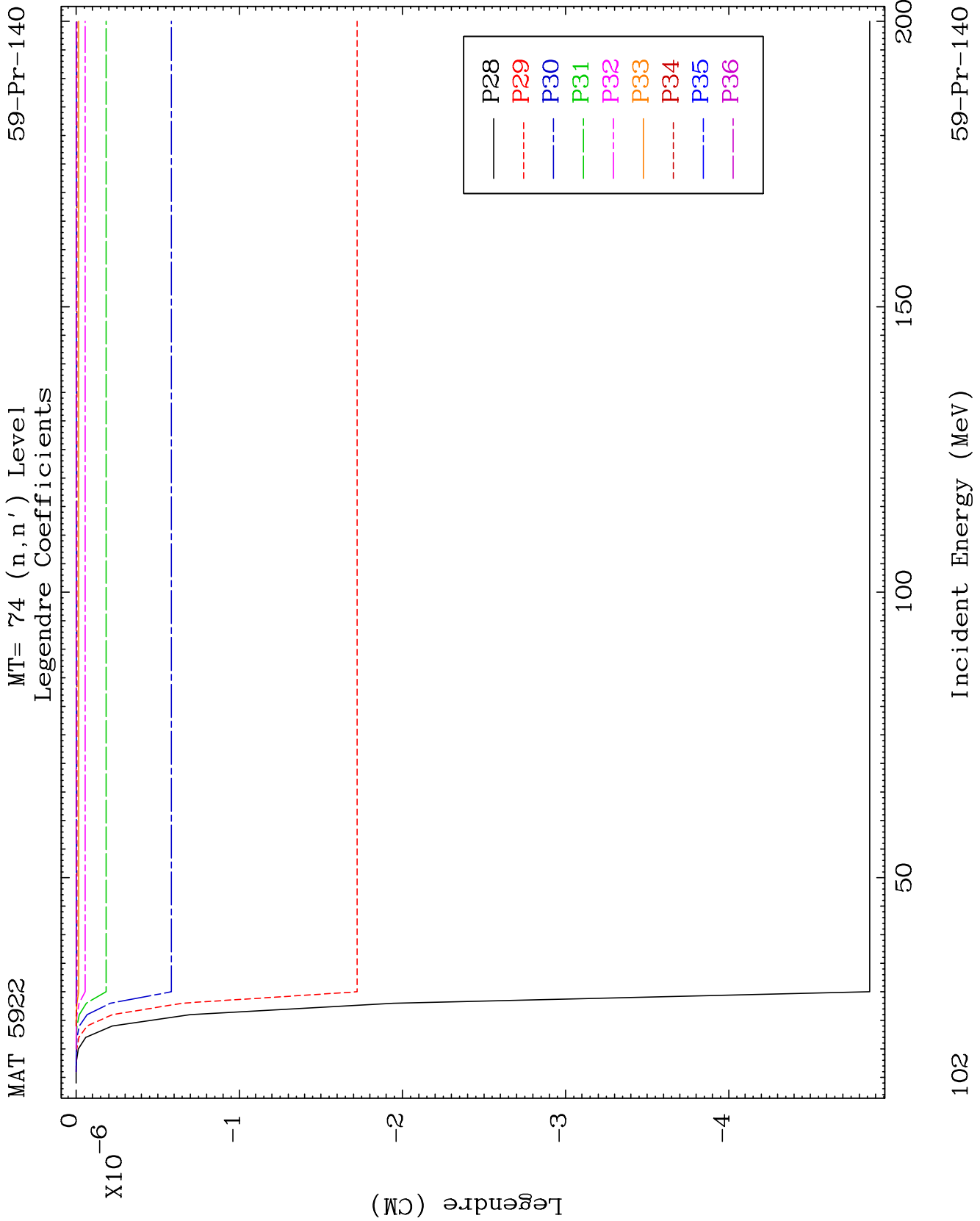
59-Pr-140

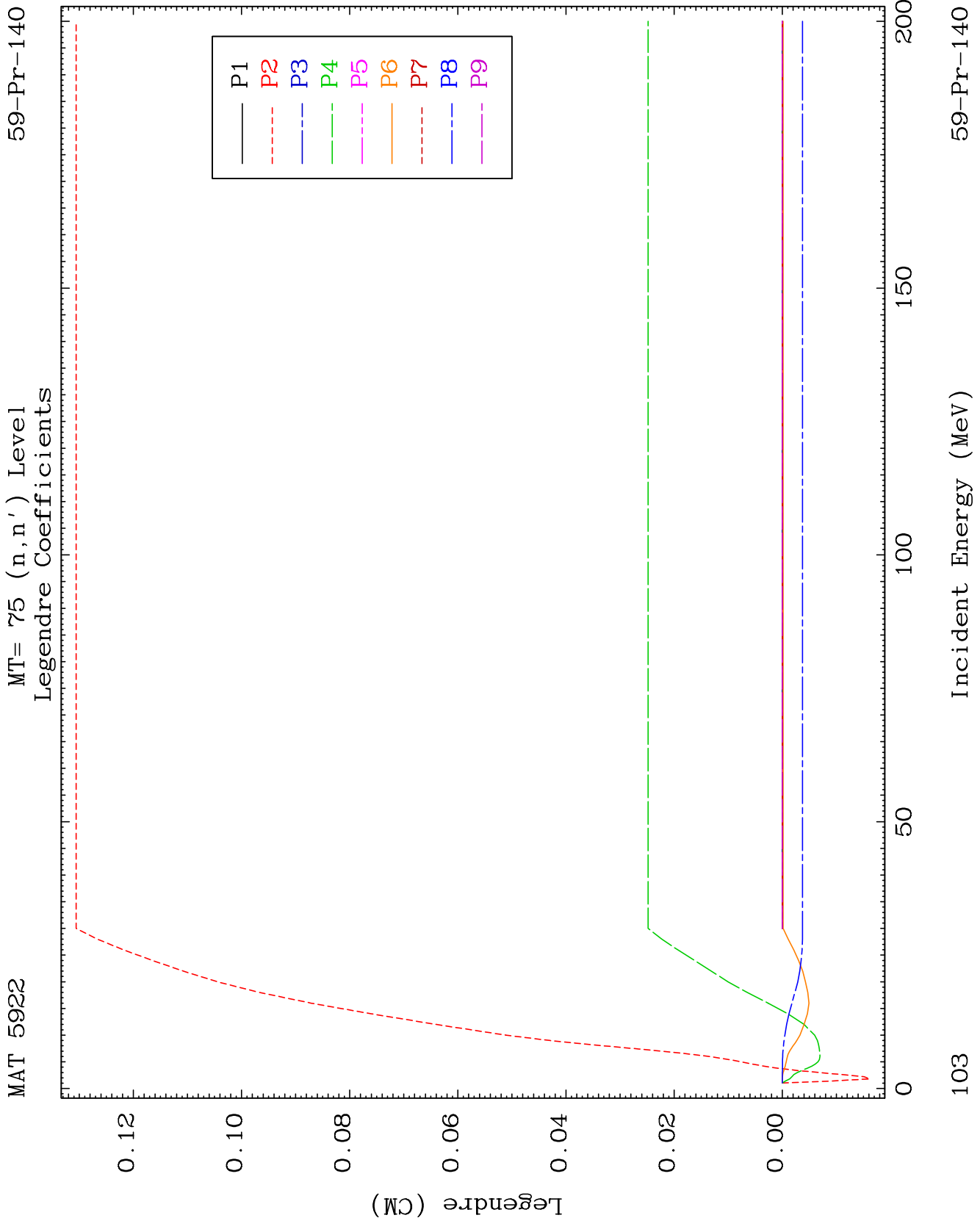


101

Incident Energy (MeV)

59-Pr-140

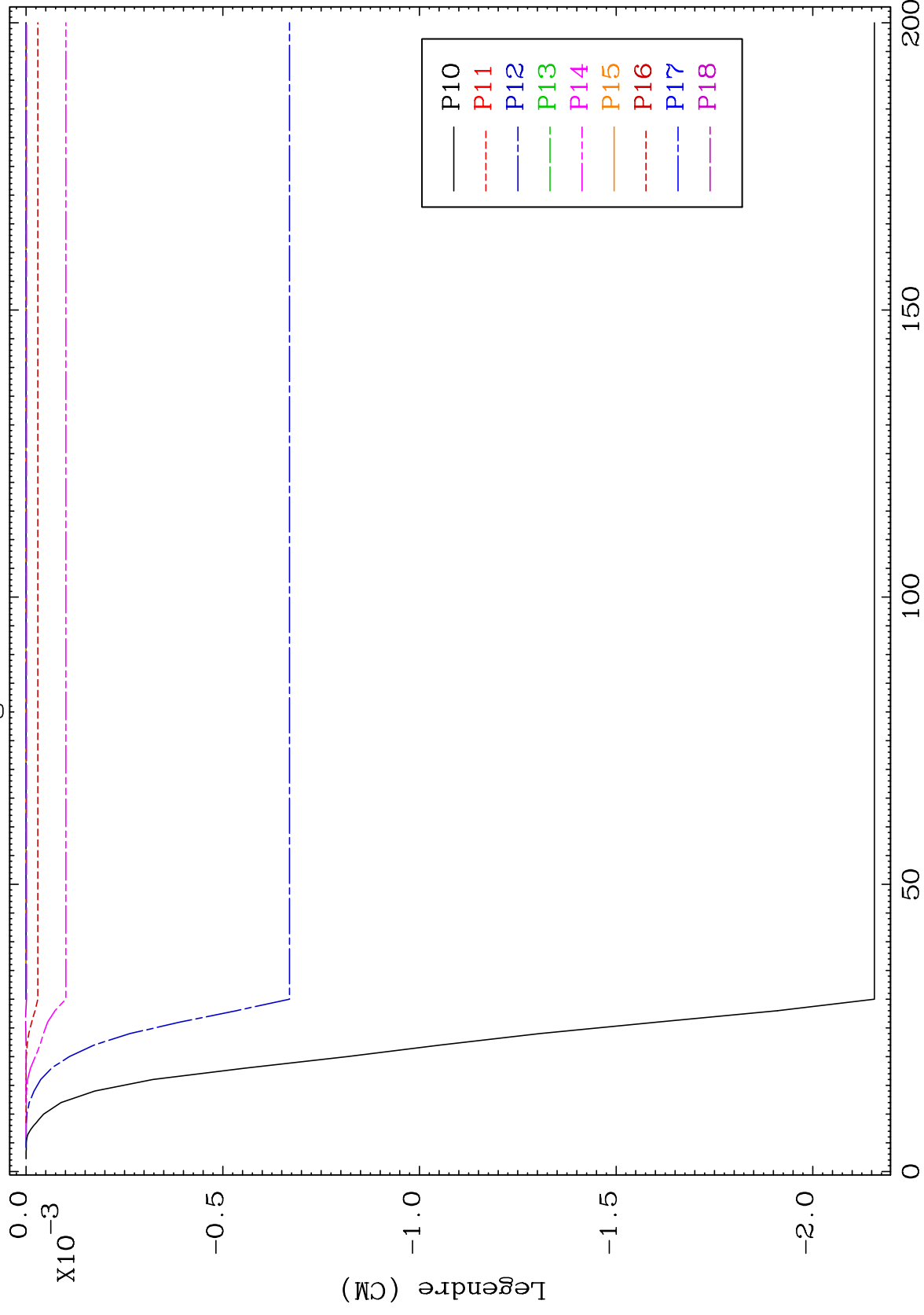




MAT 5922

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

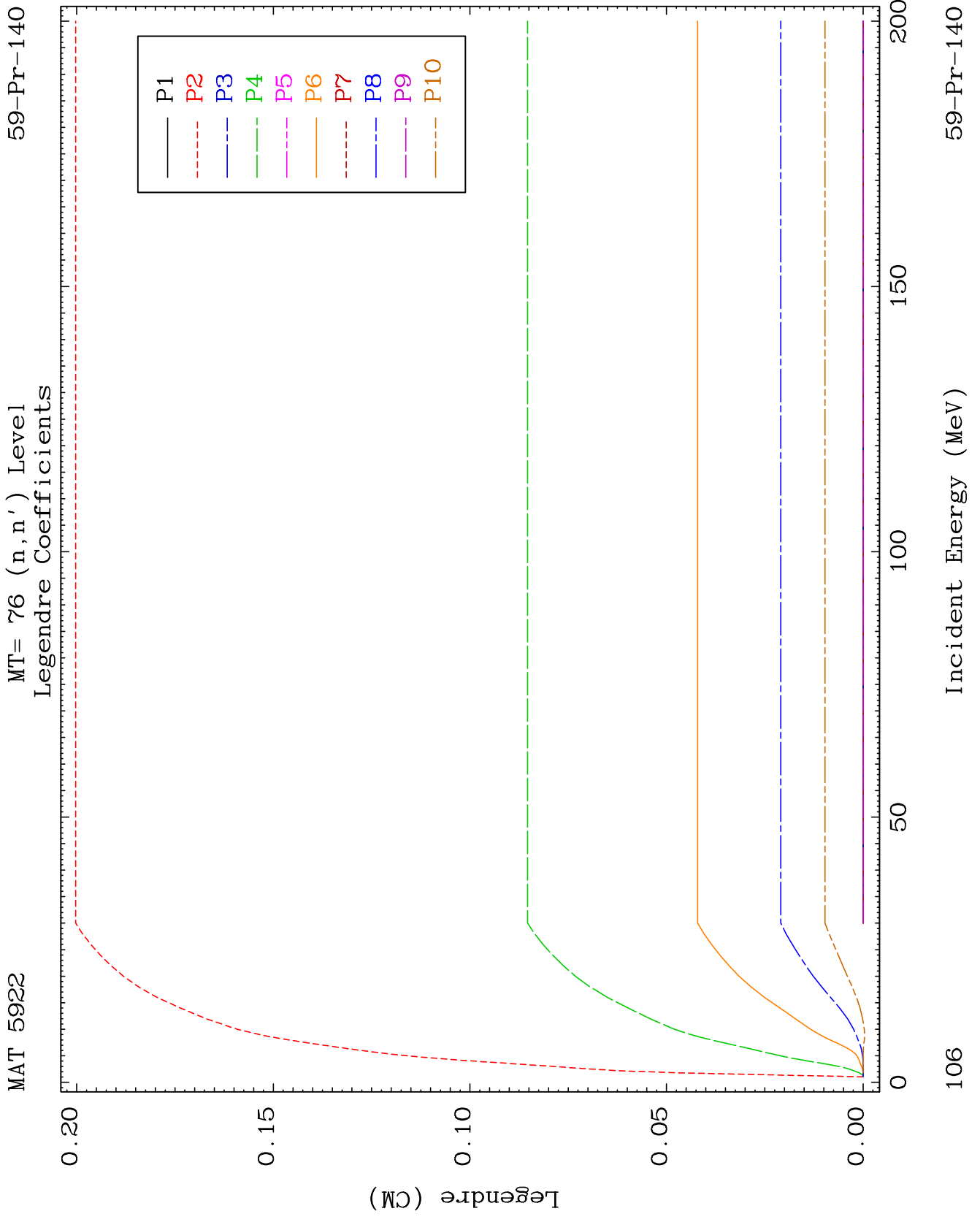
59-Pr-140



104

Incident Energy (MeV)

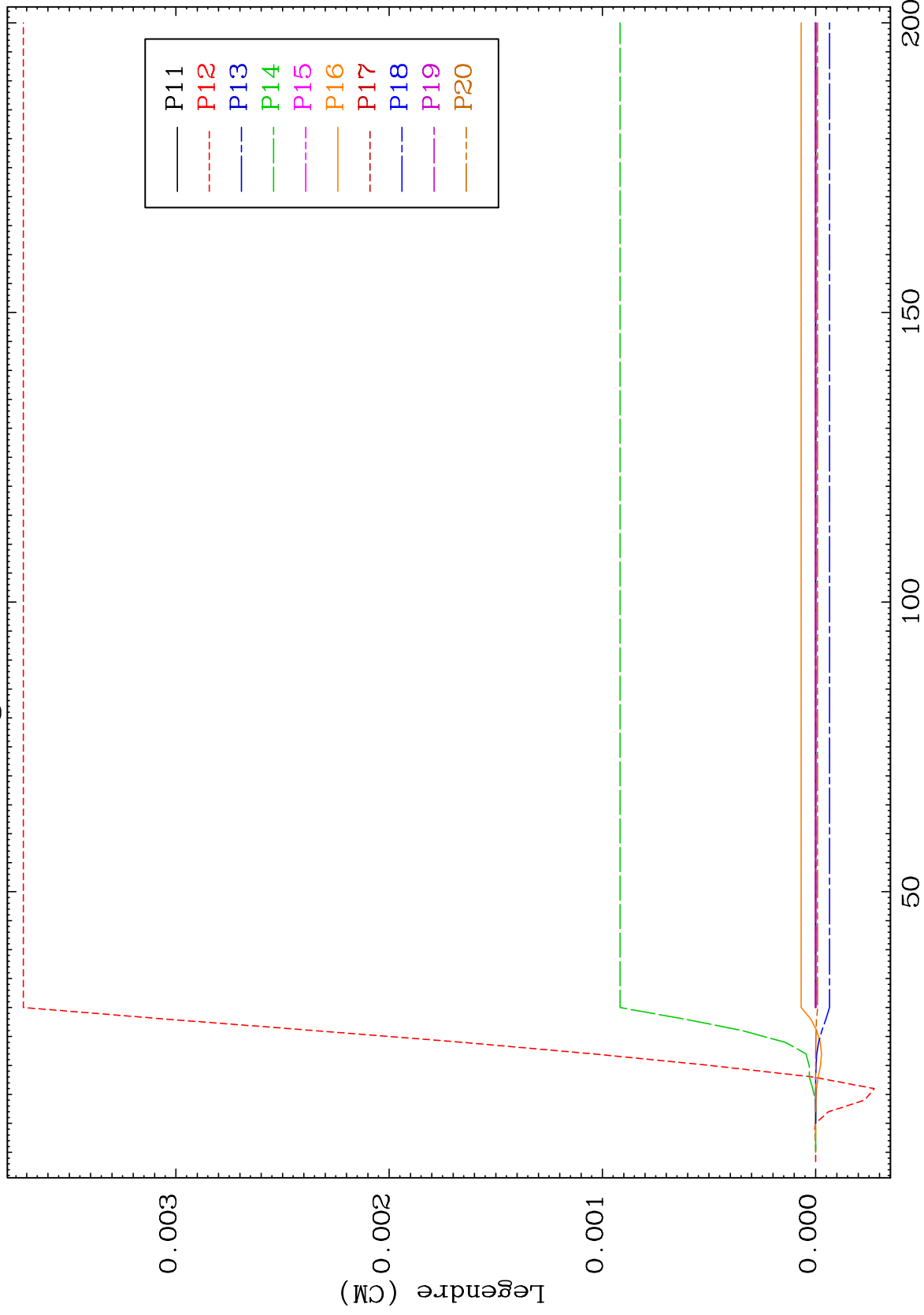
59-Pr-140



MAT 5922

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

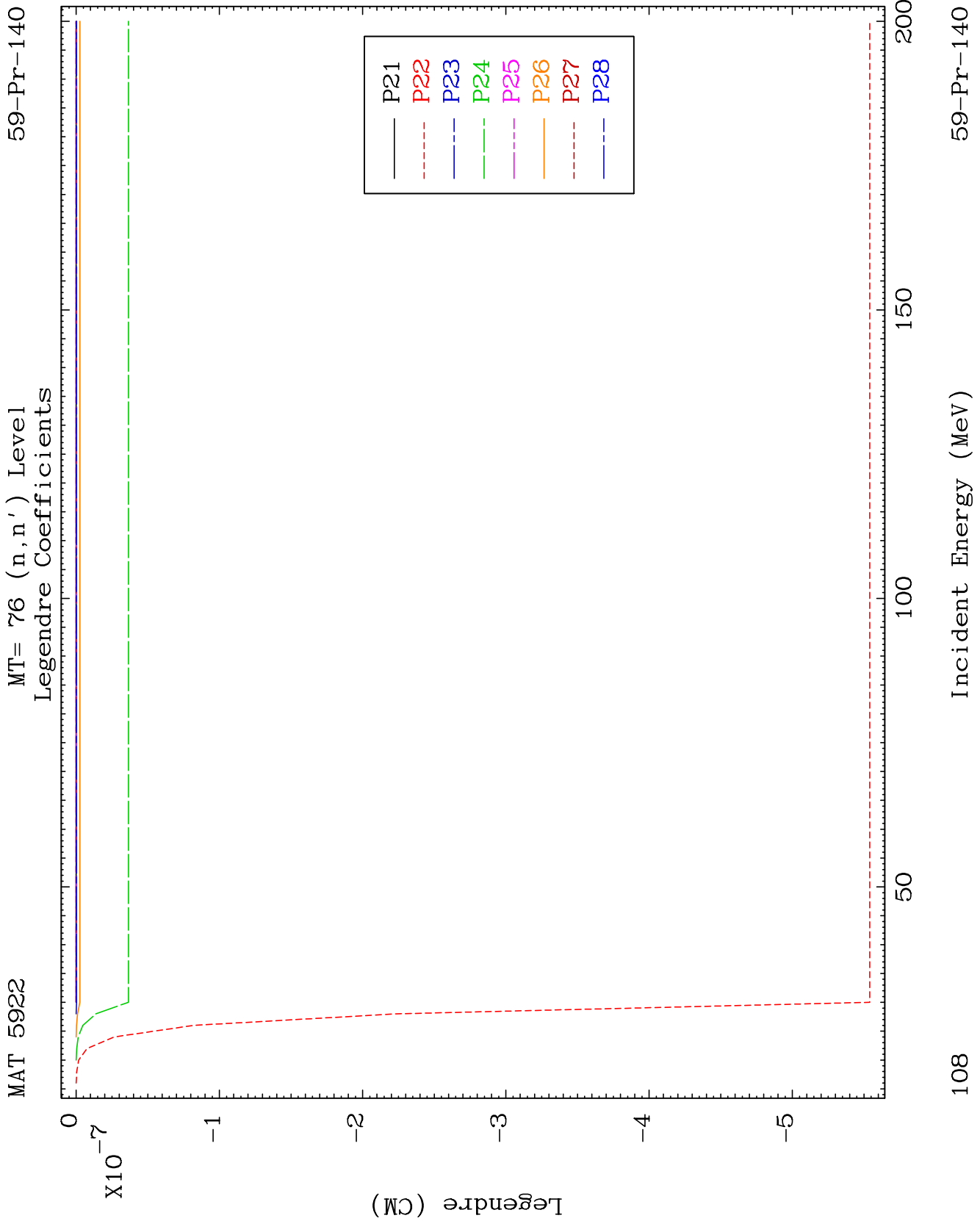
59-Pr-140



107

Incident Energy (MeV)

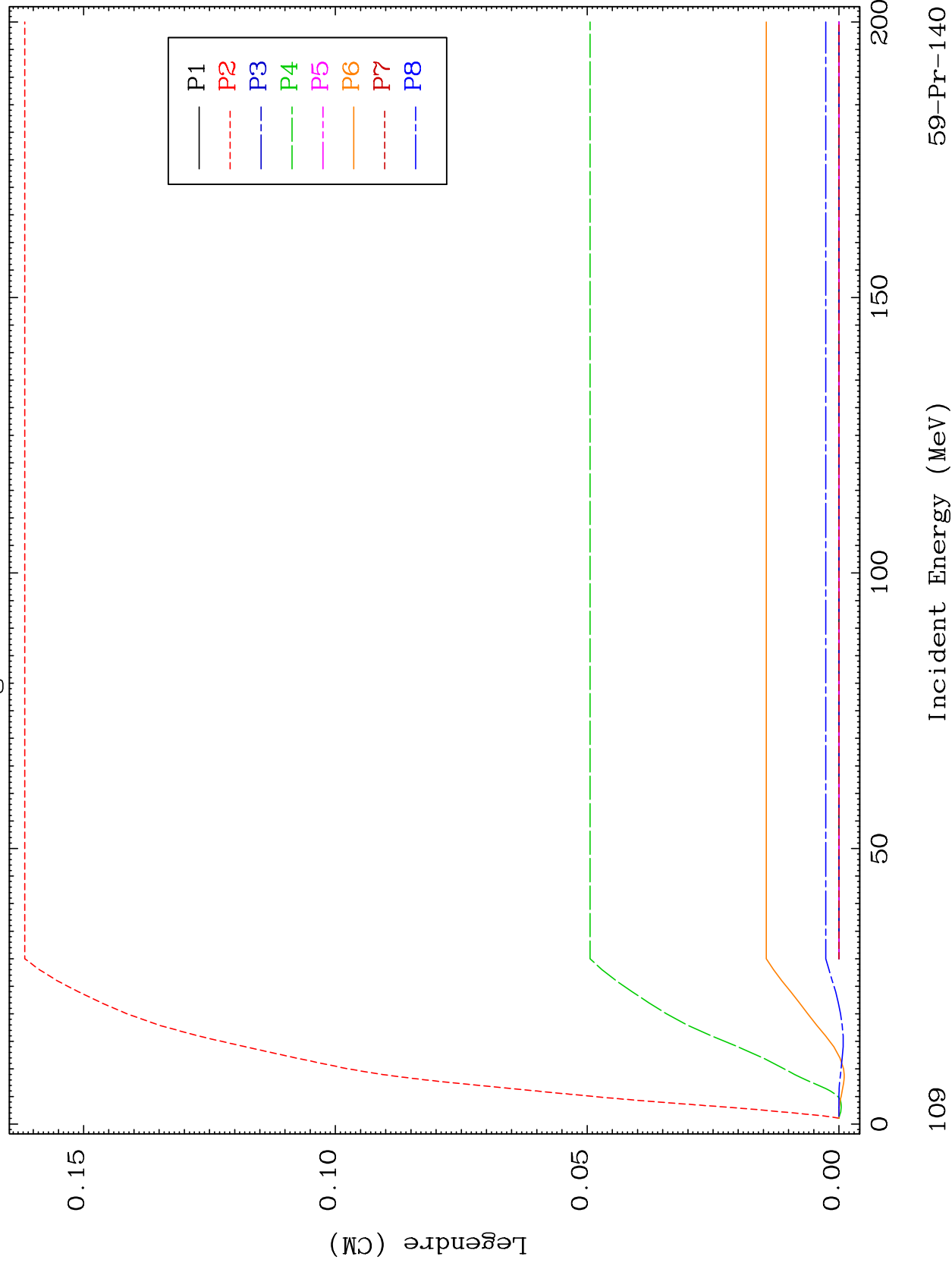
59-Pr-140



MAT 5922

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

59-Pr-140



59-Pr-140

Incident Energy (MeV)

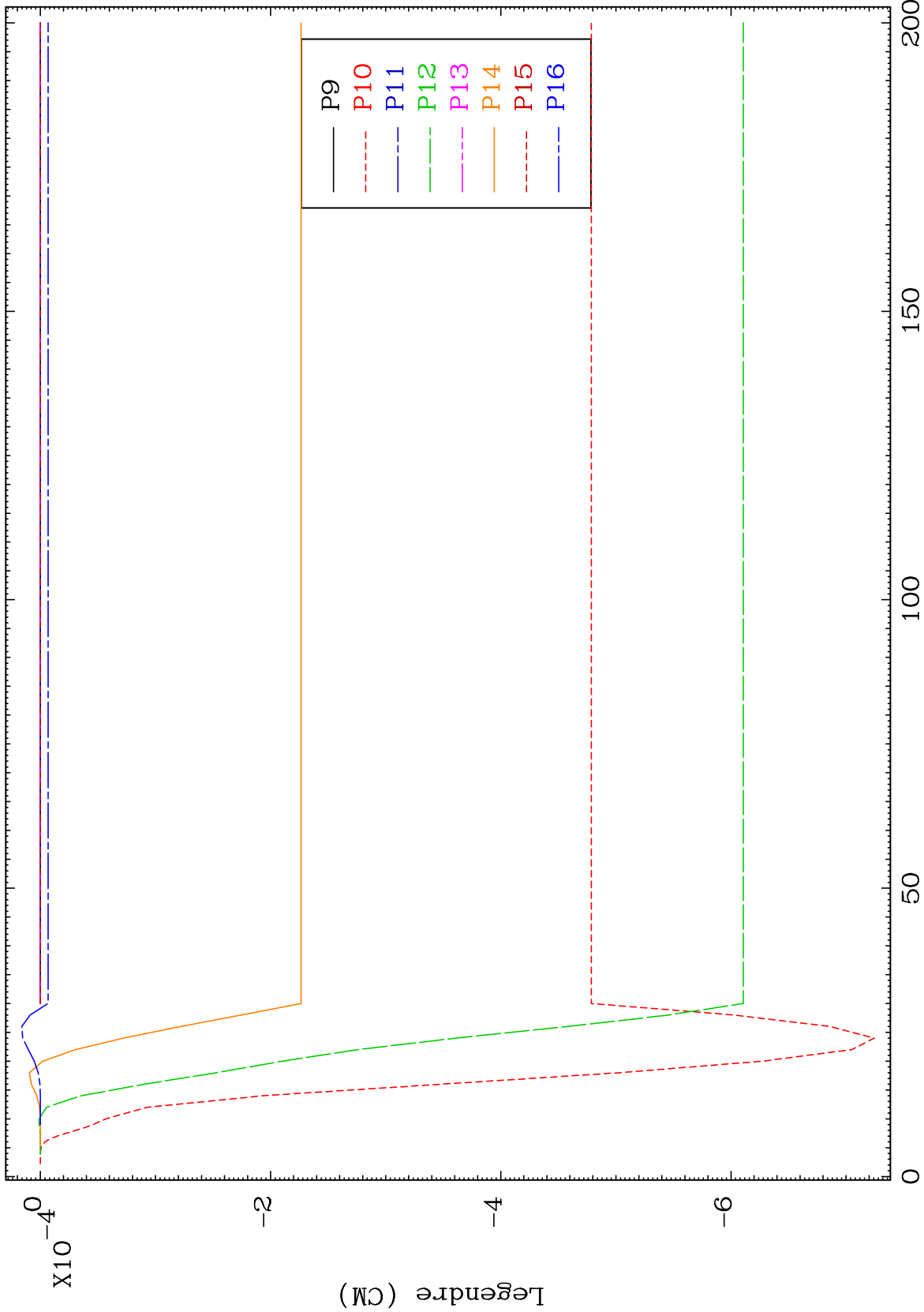
109

MAT 5922

MT= 77 (n,n') Level

59-Pr-140

Legendre Coefficients



0

50

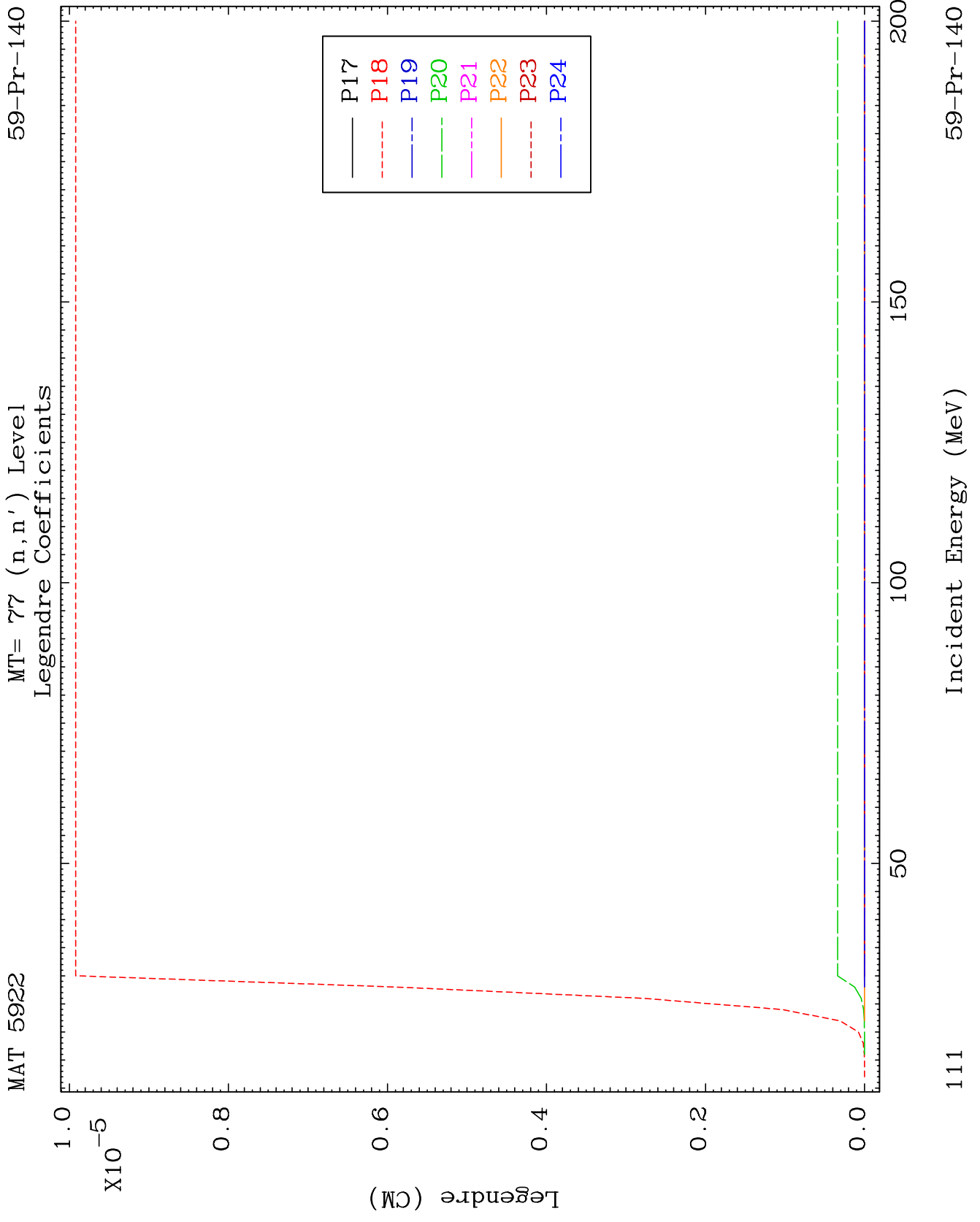
100

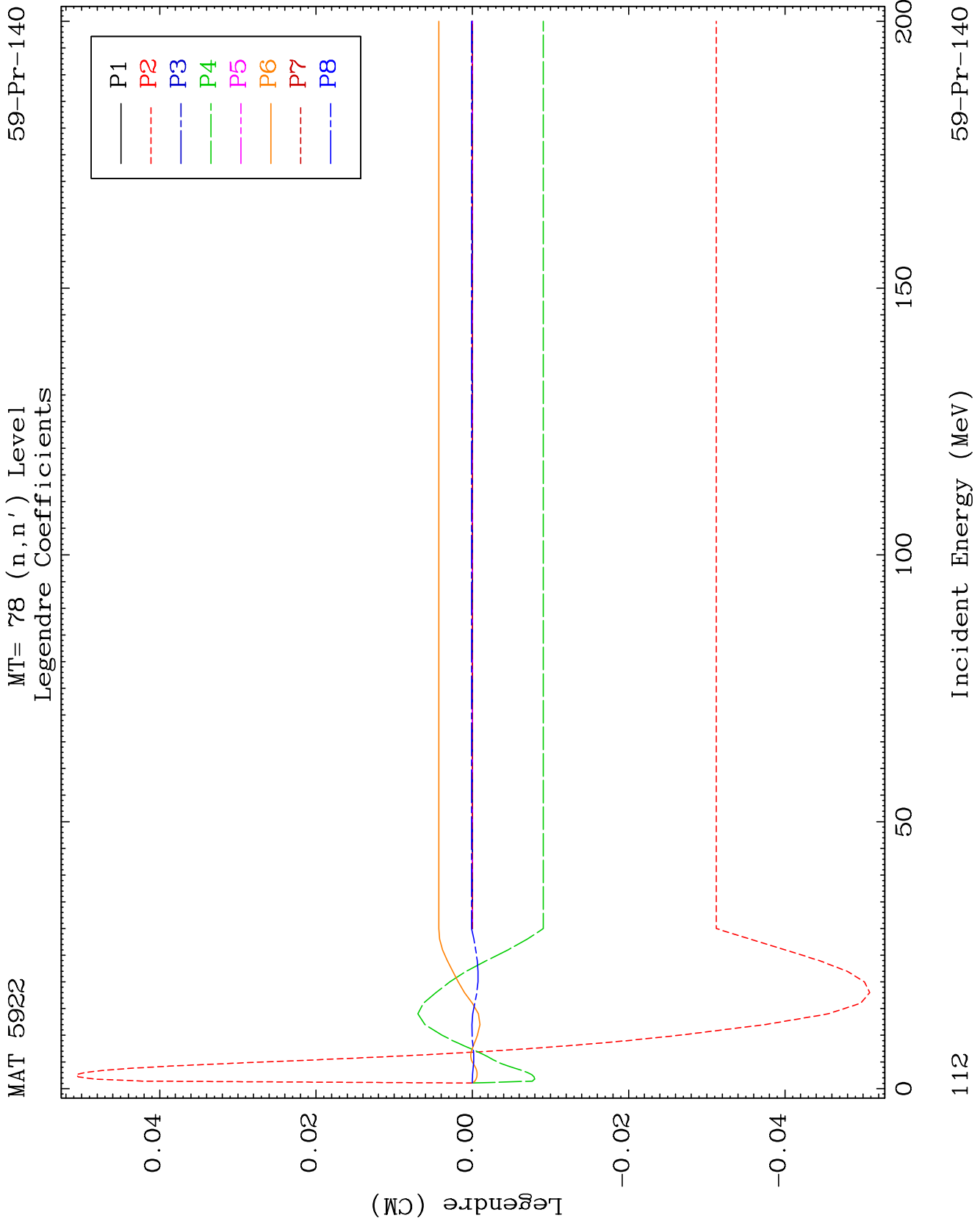
150

200

Incident Energy (MeV)

59-Pr-140

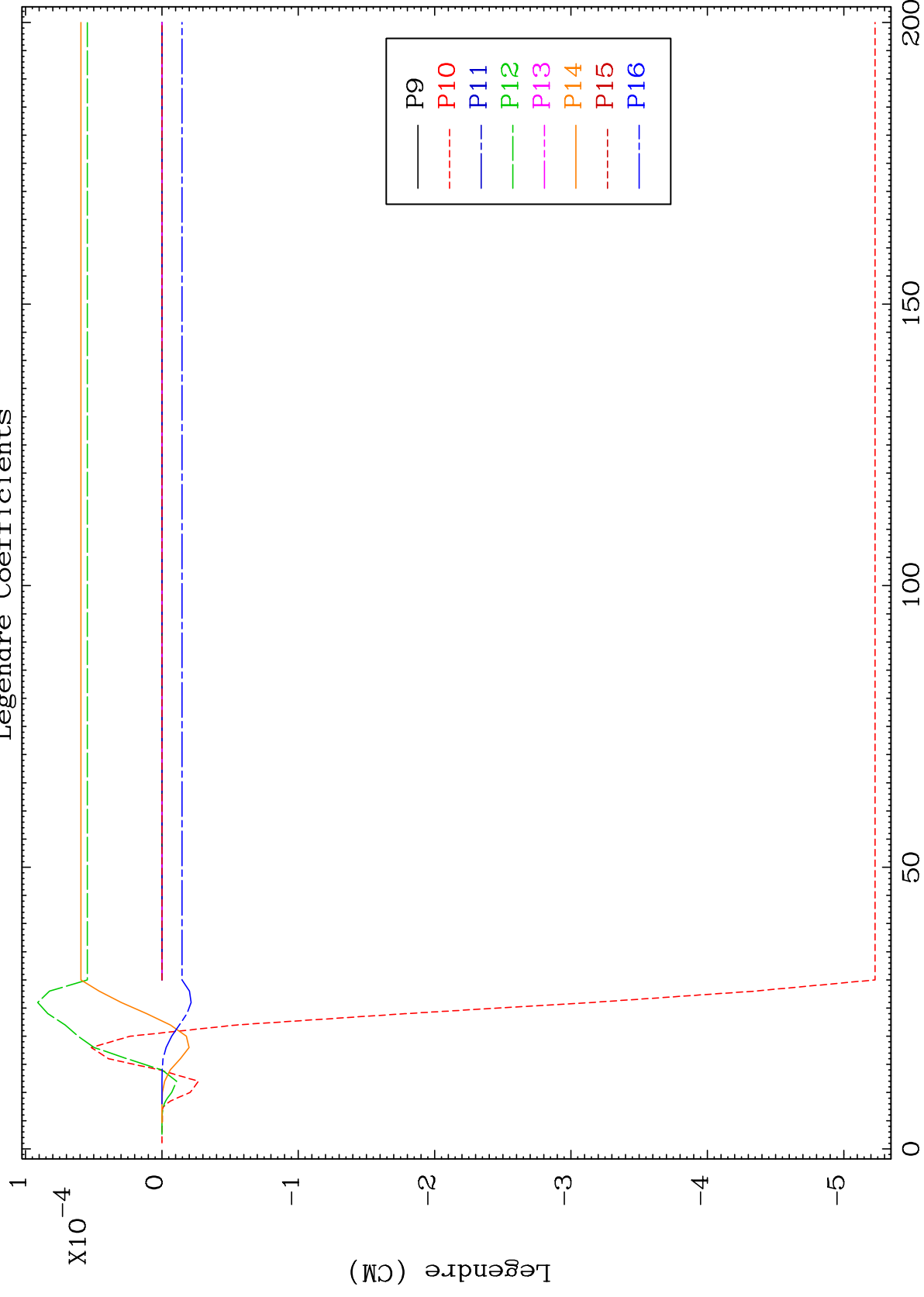




MAT 5922

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

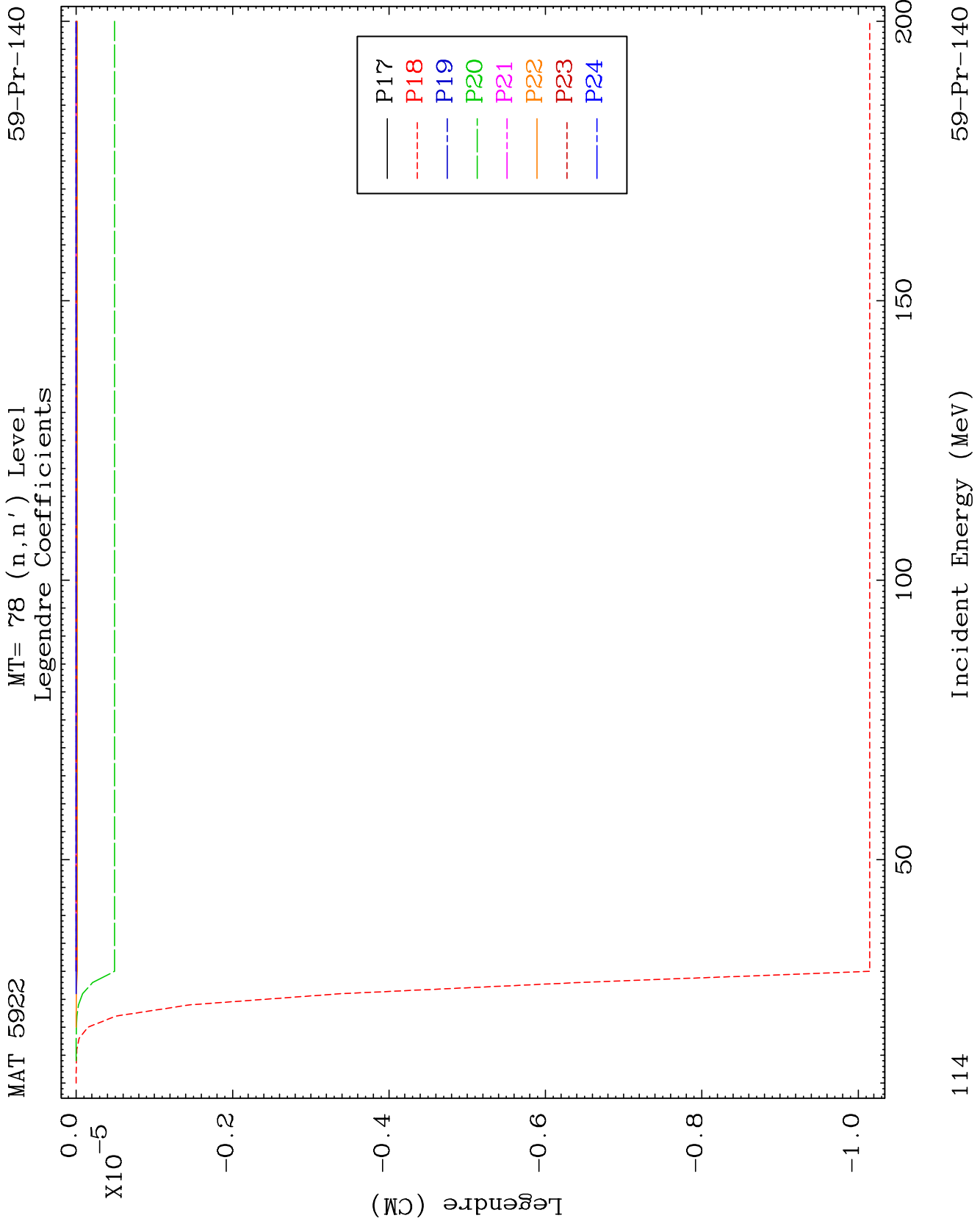
59-Pr-140



113

Incident Energy (MeV)

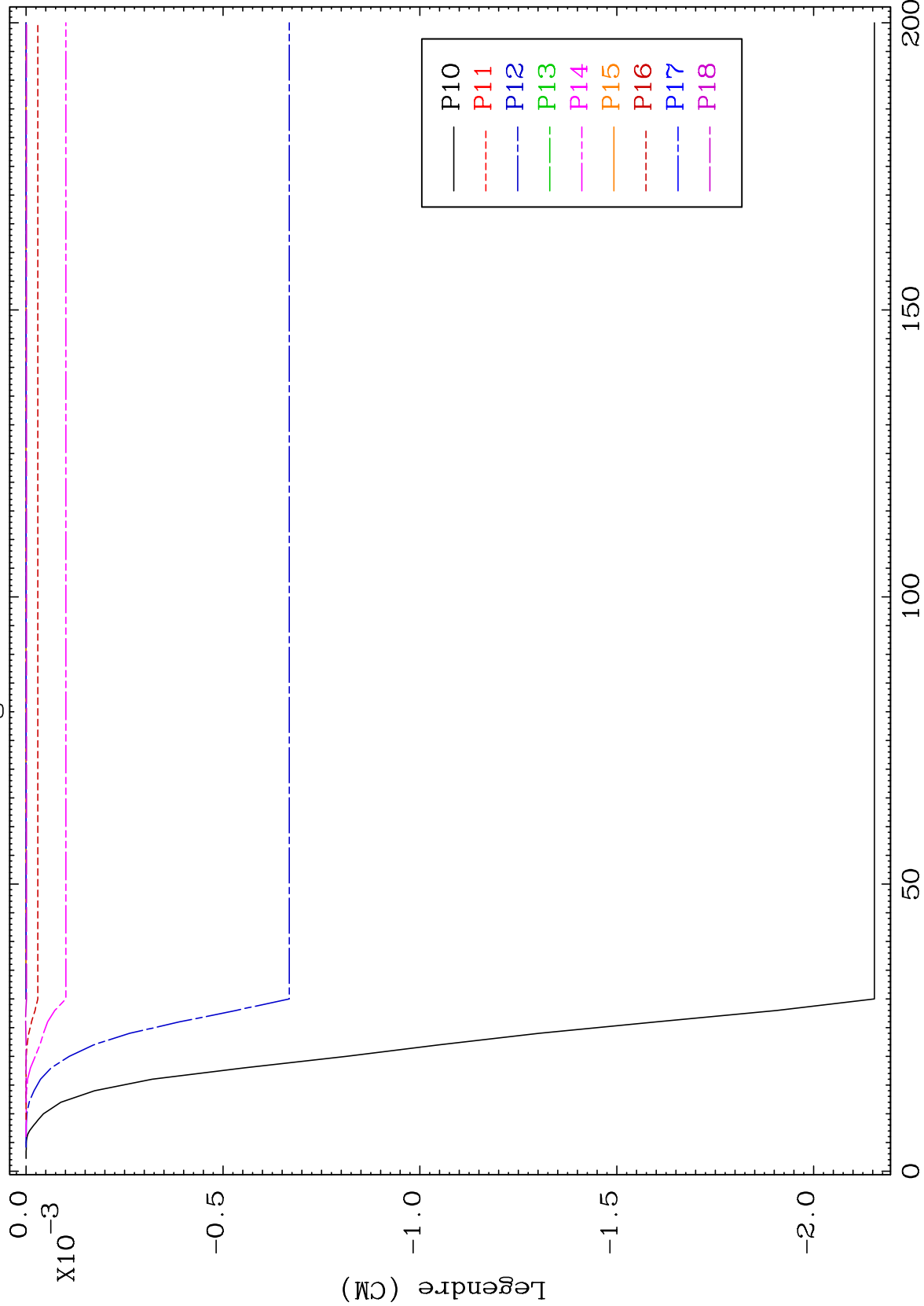
59-Pr-140



MAT 5922

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

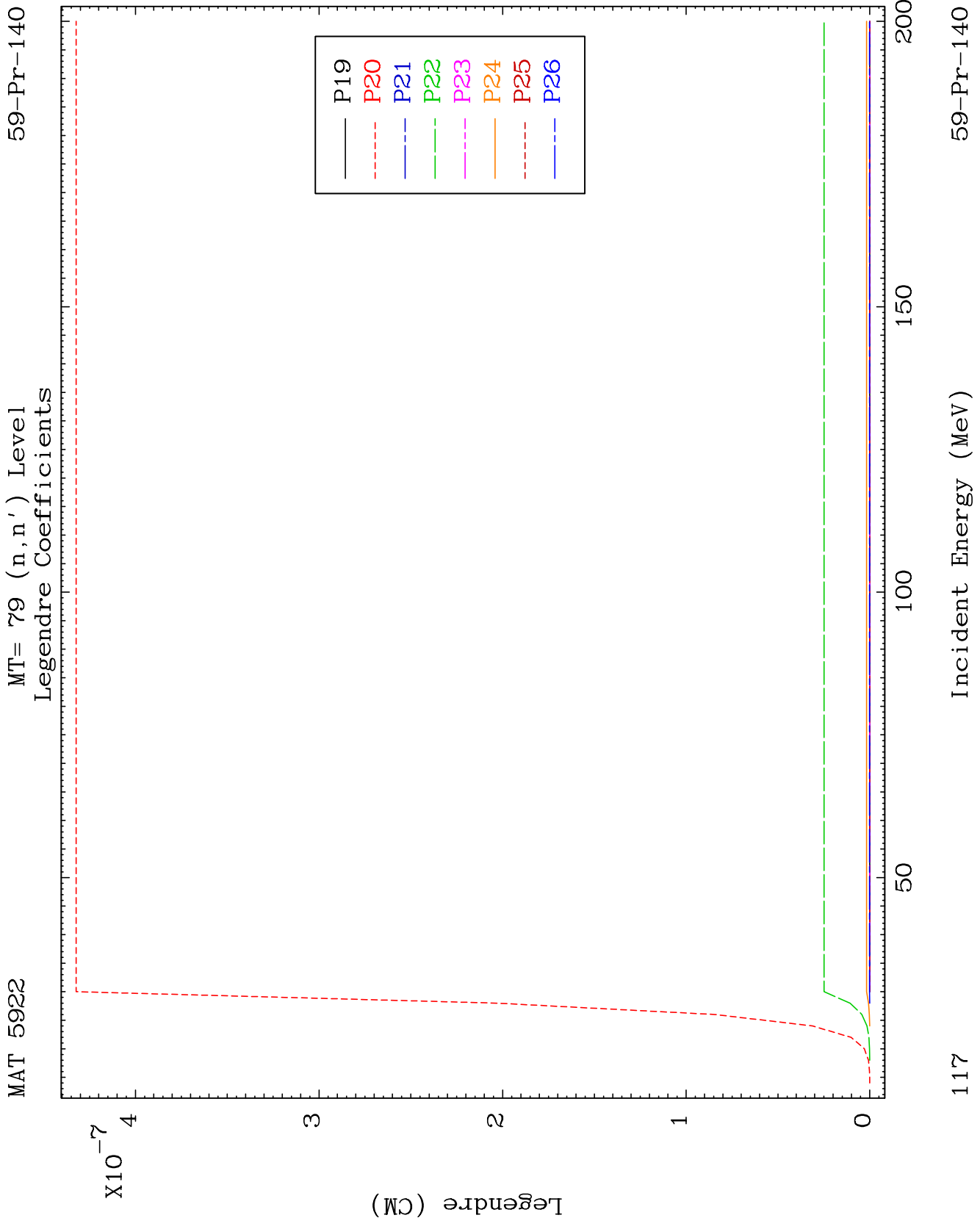
59-Pr-140



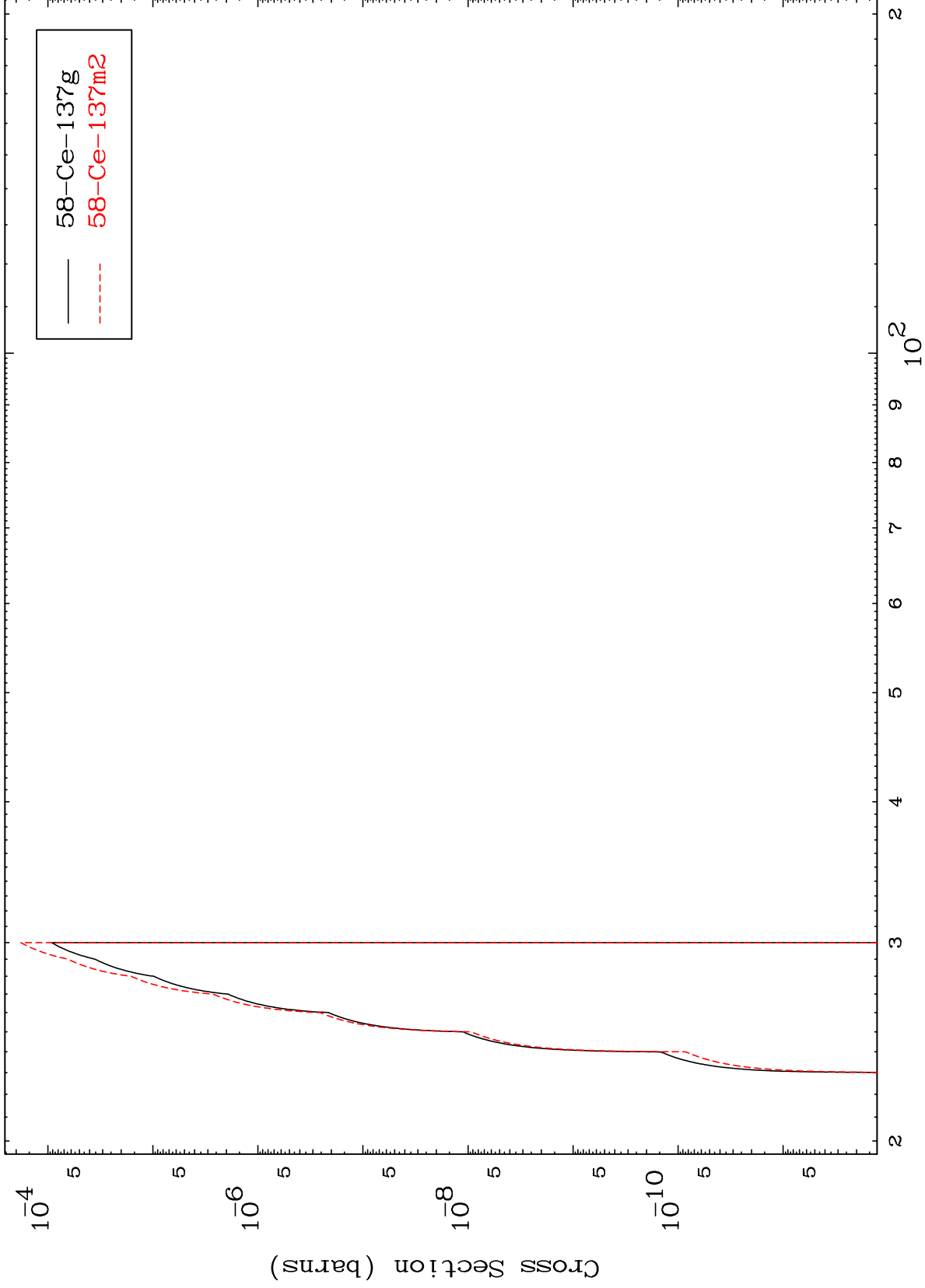
116

Incident Energy (MeV)

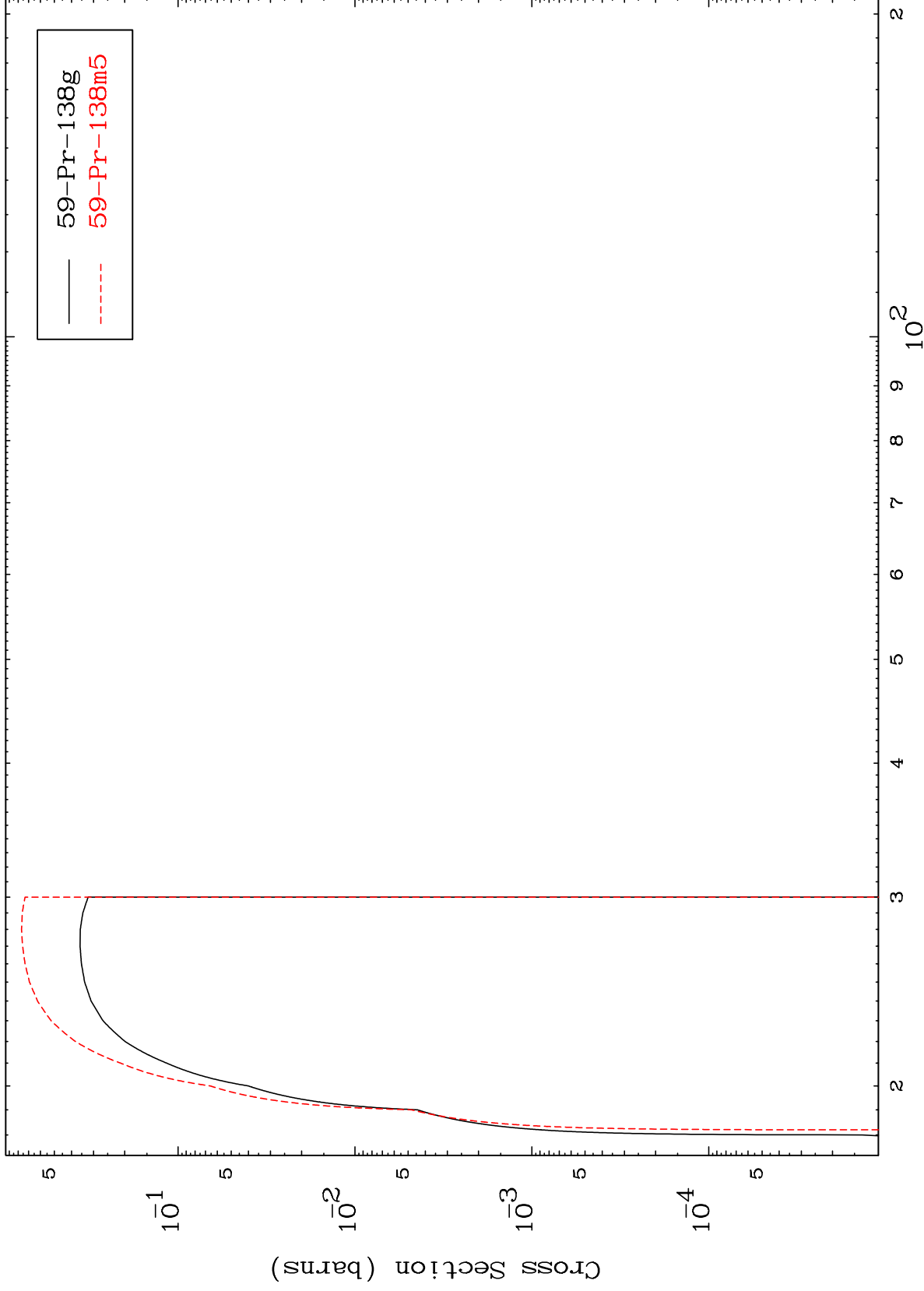
59-Pr-140



Radionuclide Production Cross Section



Radionuclide Production Cross Section



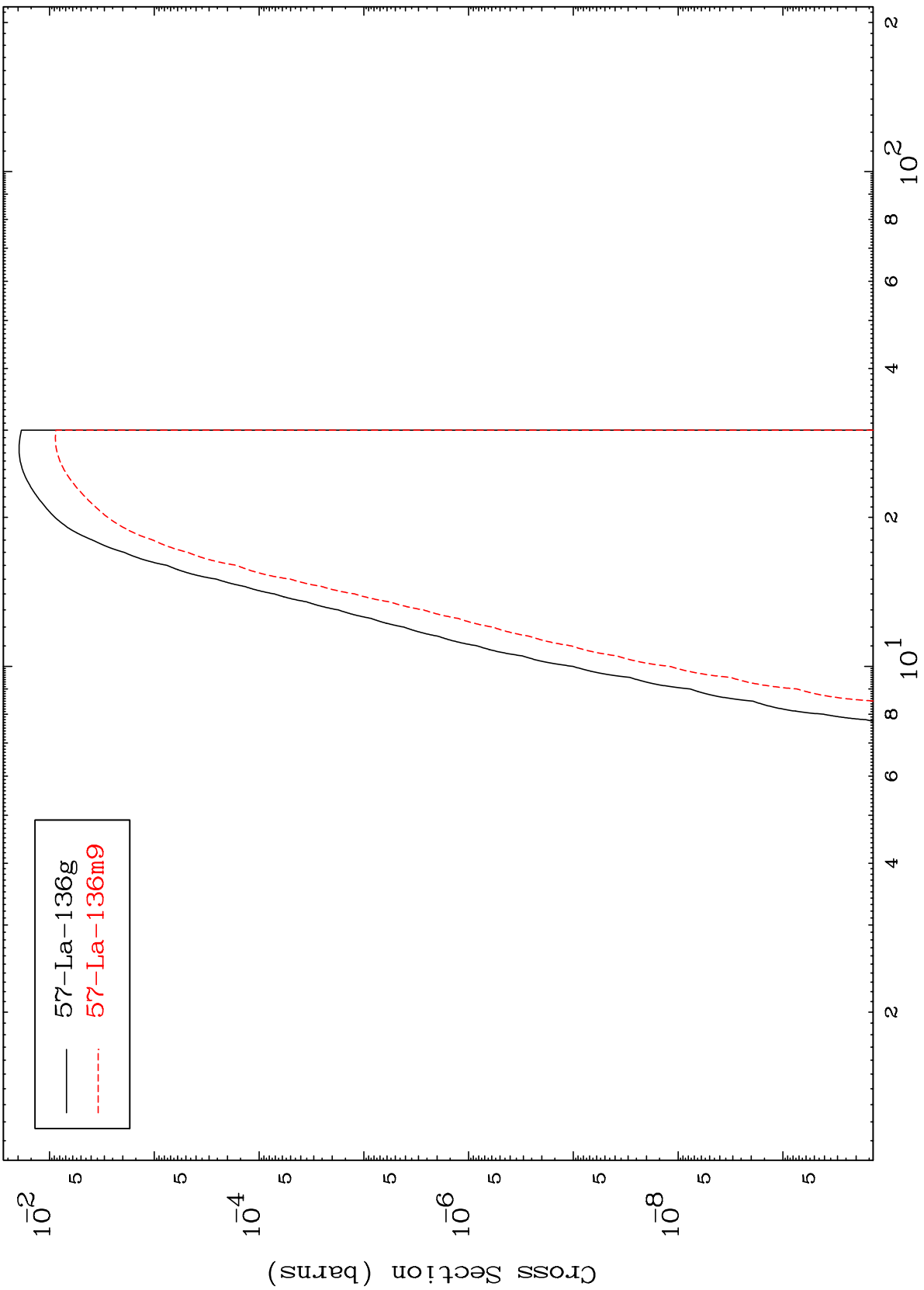
59-Pr-138g
59-Pr-138m5

MAT 5922

(n,n') α

59-Pr-140

Radionuclide Production Cross Section



120

Incident Energy (MeV)

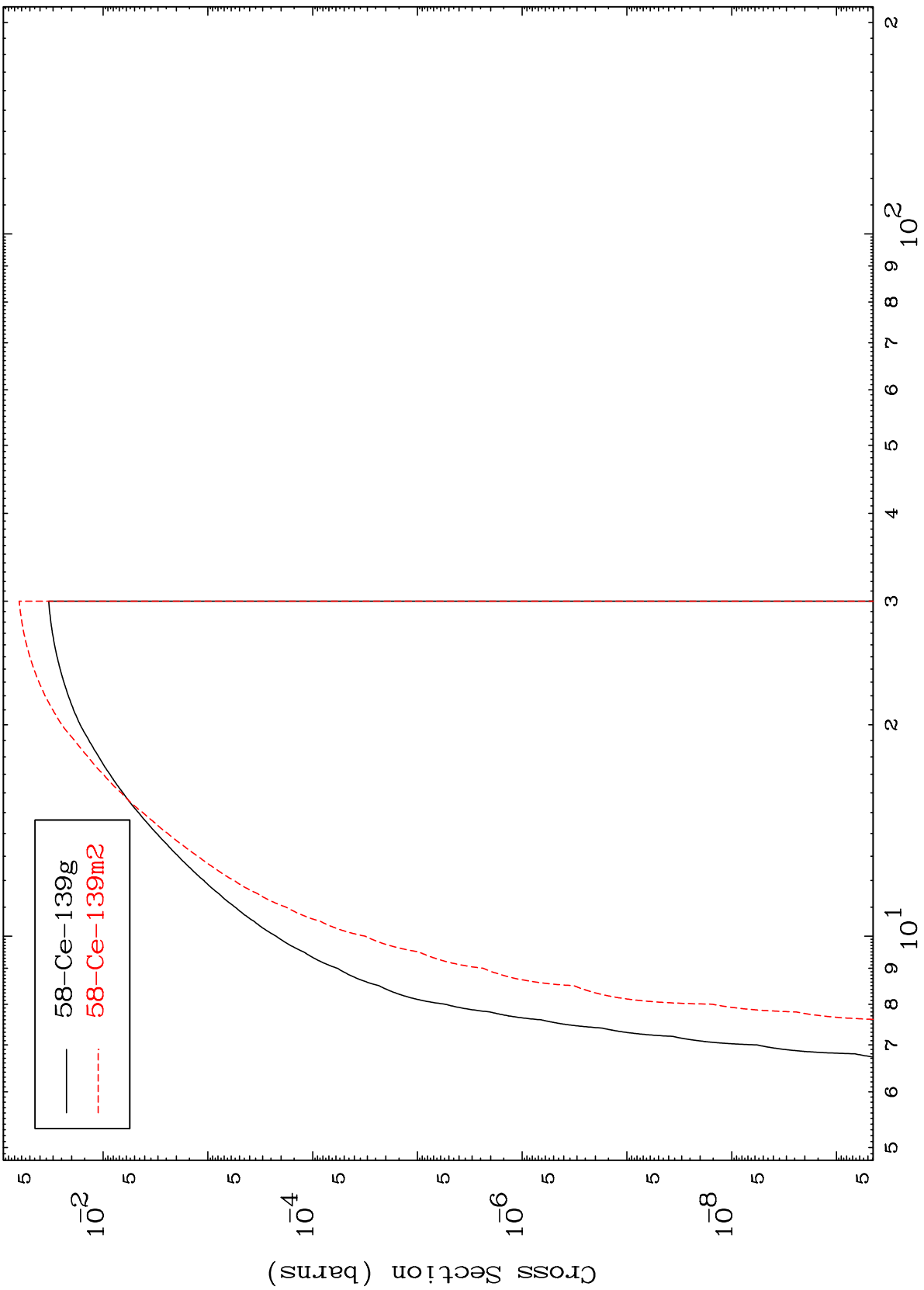
59-Pr-140

MAT 5922

(n,n') p

59-Pr-140

Radionuclide Production Cross Section

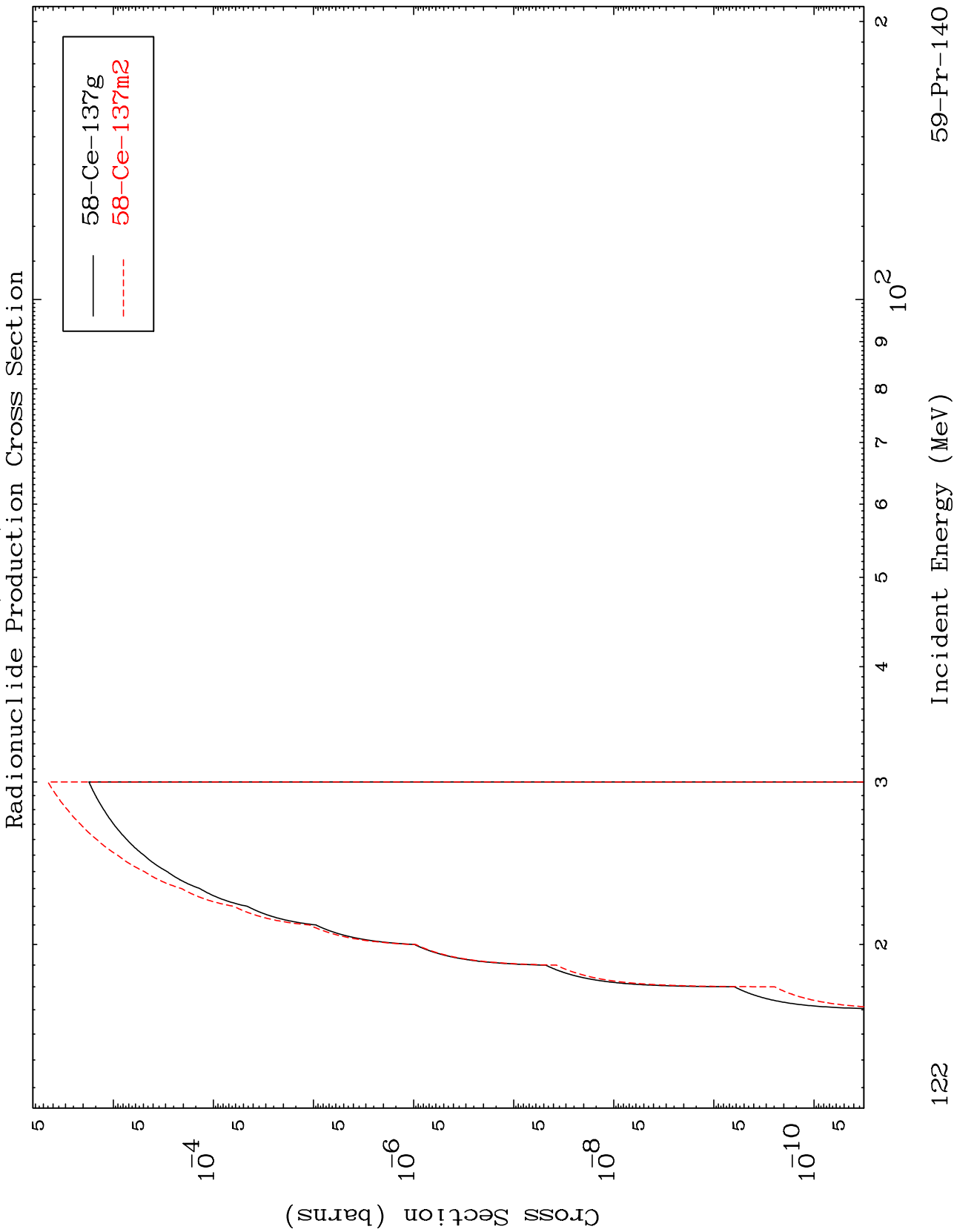


58-Ce-139g
58-Ce-139m2

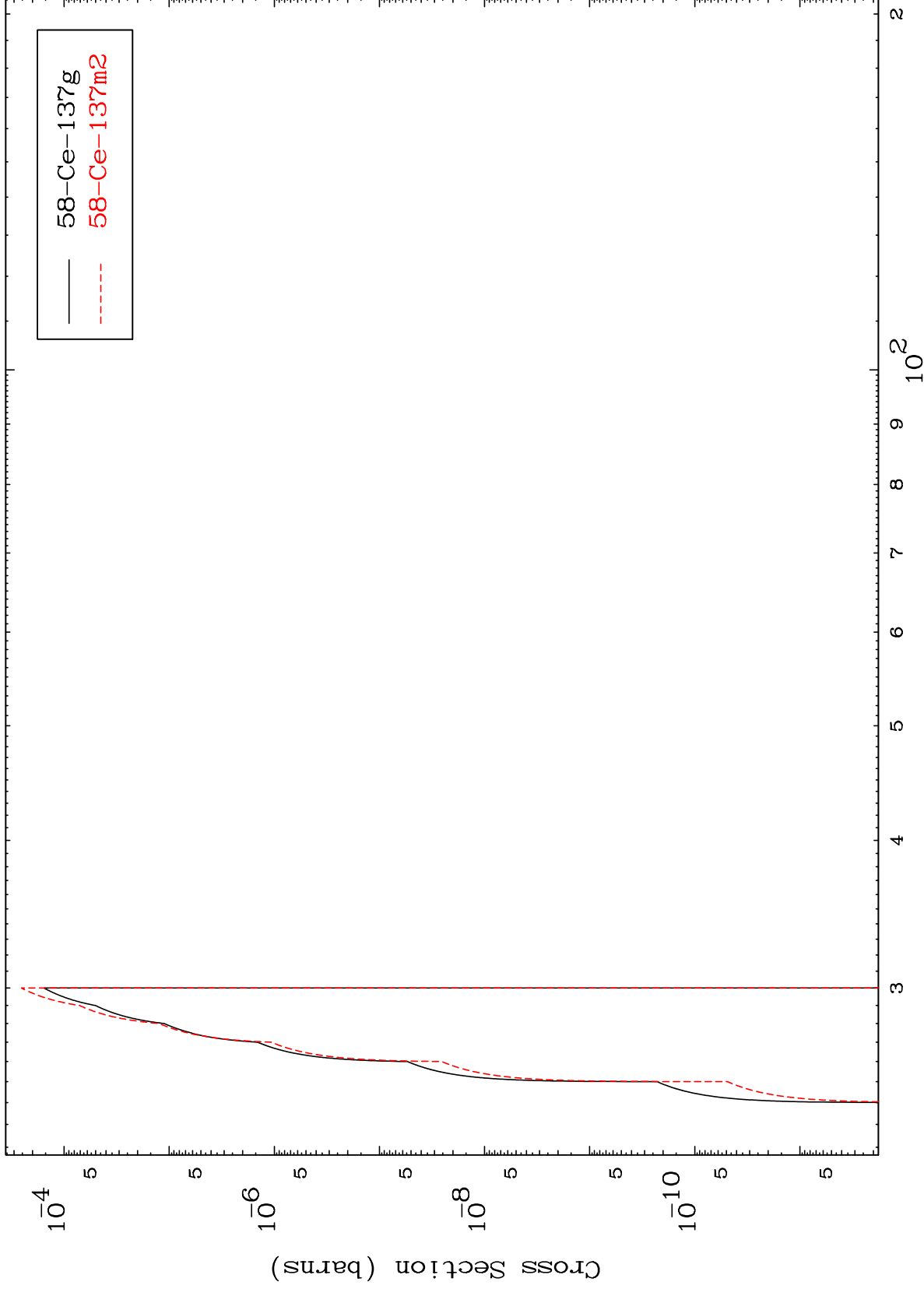
121

Incident Energy (MeV)

59-Pr-140



Radionuclide Production Cross Section

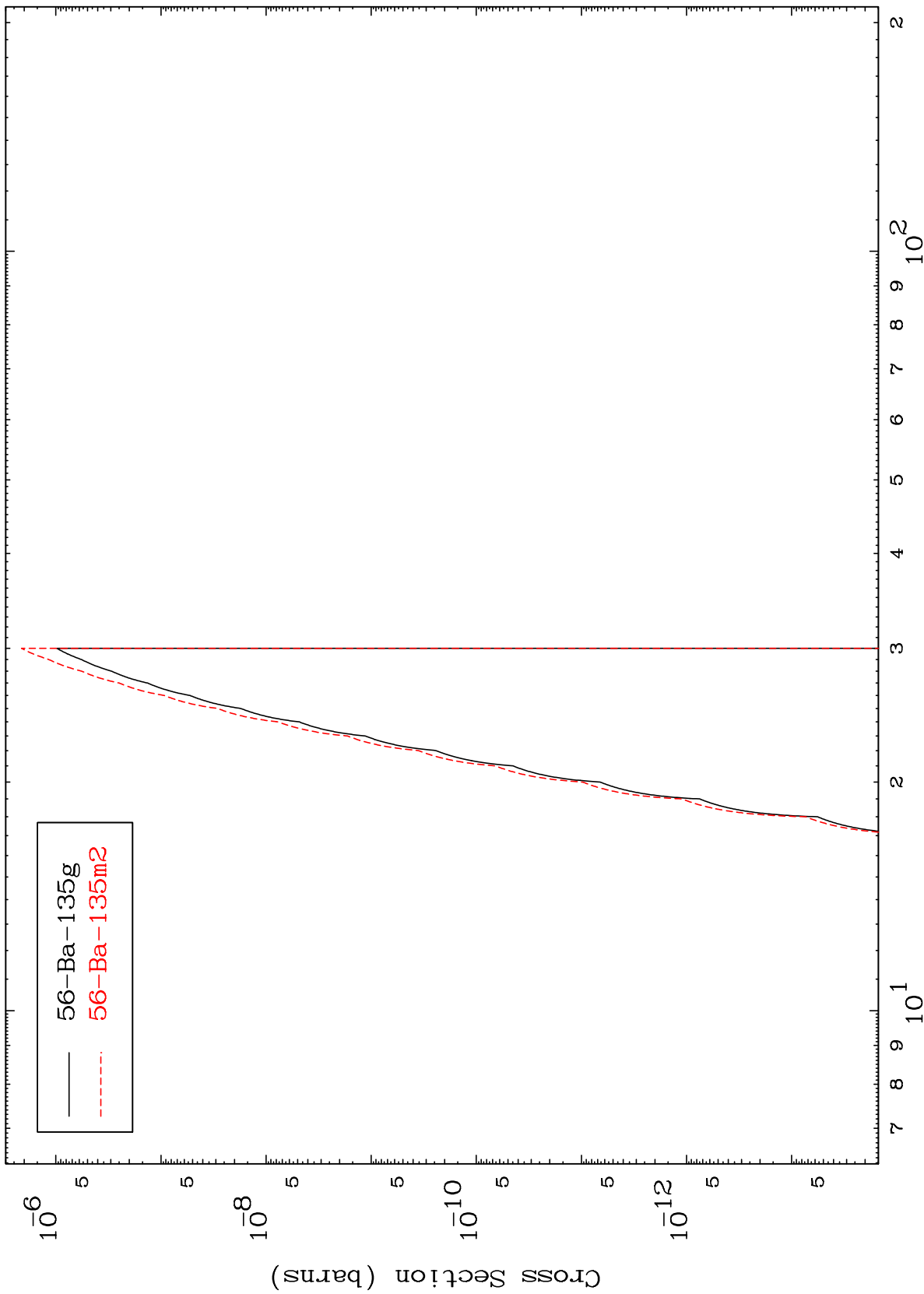


MAT 5922

(n,n') p α

59-Pr-140

Radionuclide Production Cross Section



56-Ba-135g
56-Ba-135m2

124

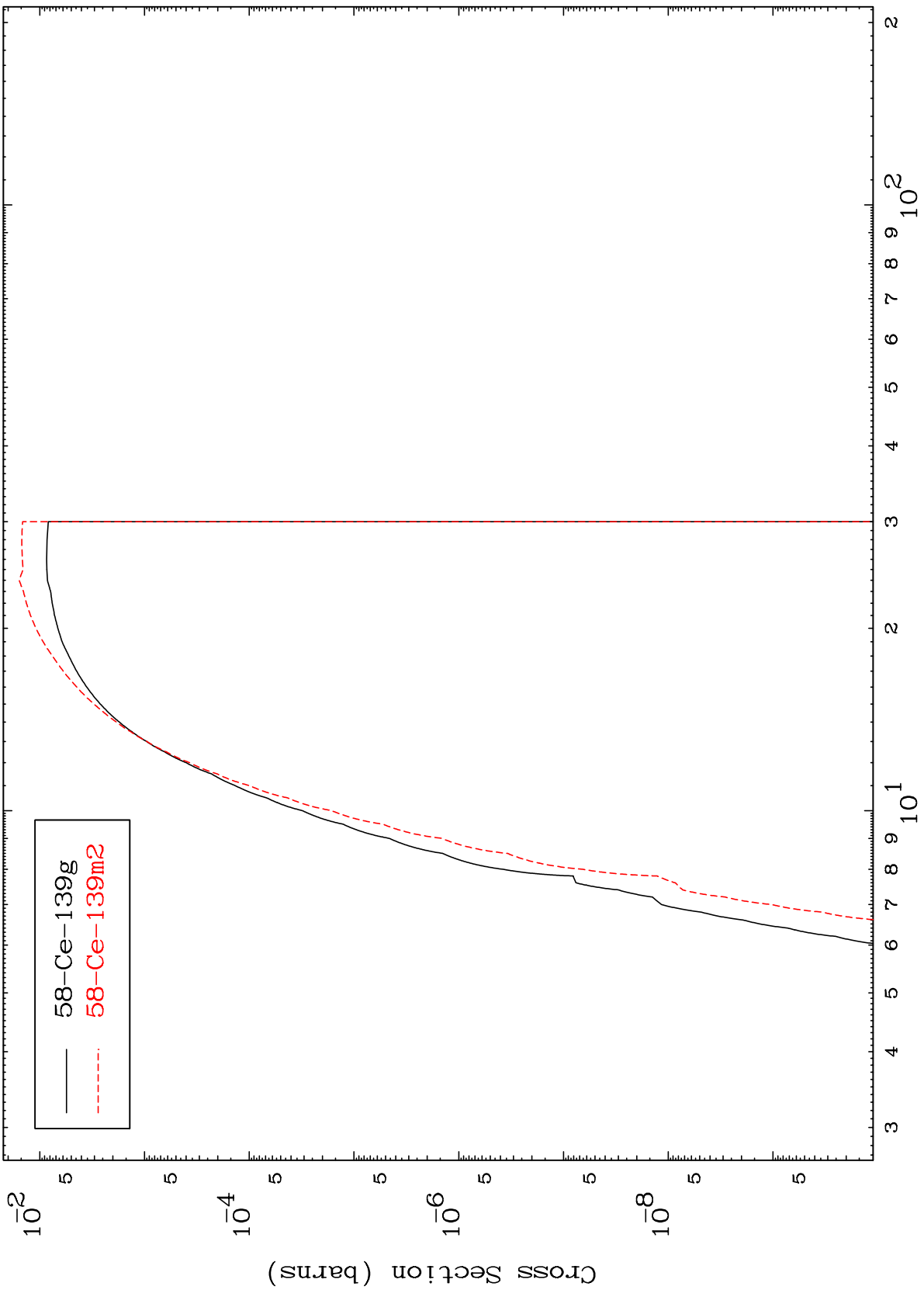
Incident Energy (MeV)

59-Pr-140

MAT 5922

59-Pr-140

(n,d)
Radionuclide Production Cross Section



125

Incident Energy (MeV)

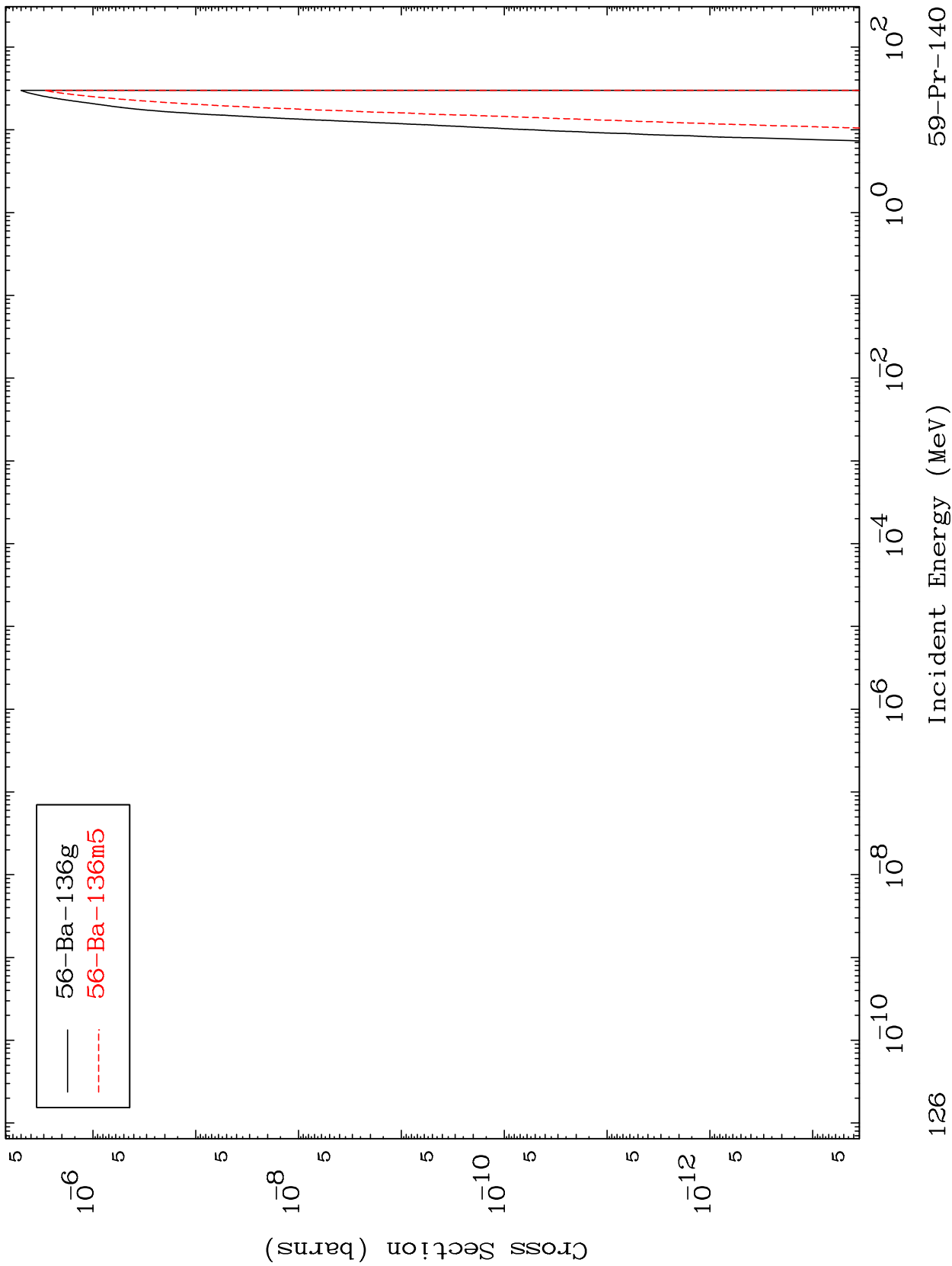
59-Pr-140

MAT 5922

(n,p) α

59-Pr-140

Radionuclide Production Cross Section

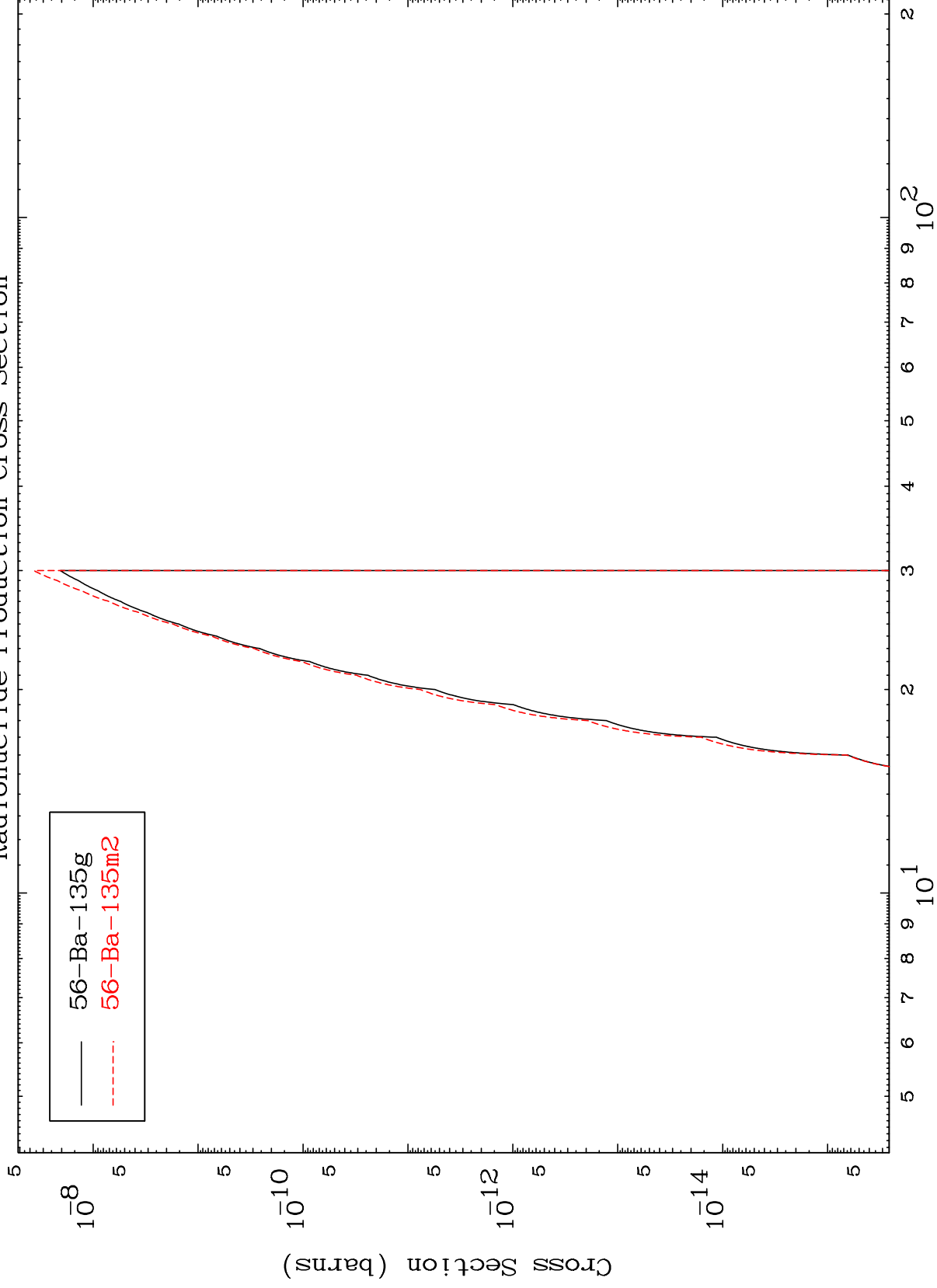


MAT 5922

(n,d) α

59-Pr-140

Radionuclide Production Cross Section



127

Incident Energy (MeV)

59-Pr-140