

Program EVALPLOT
(Version 2021-1)

by

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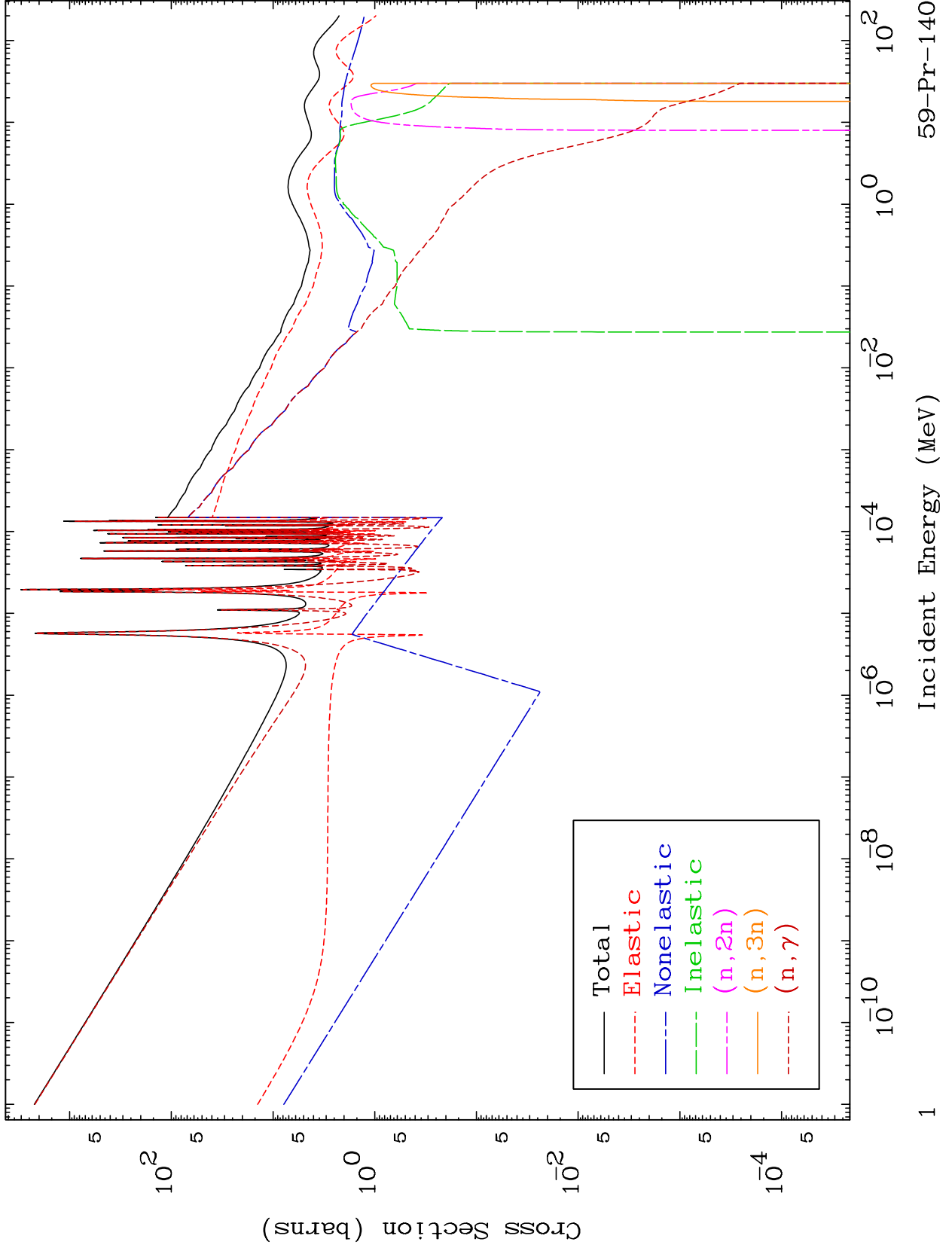
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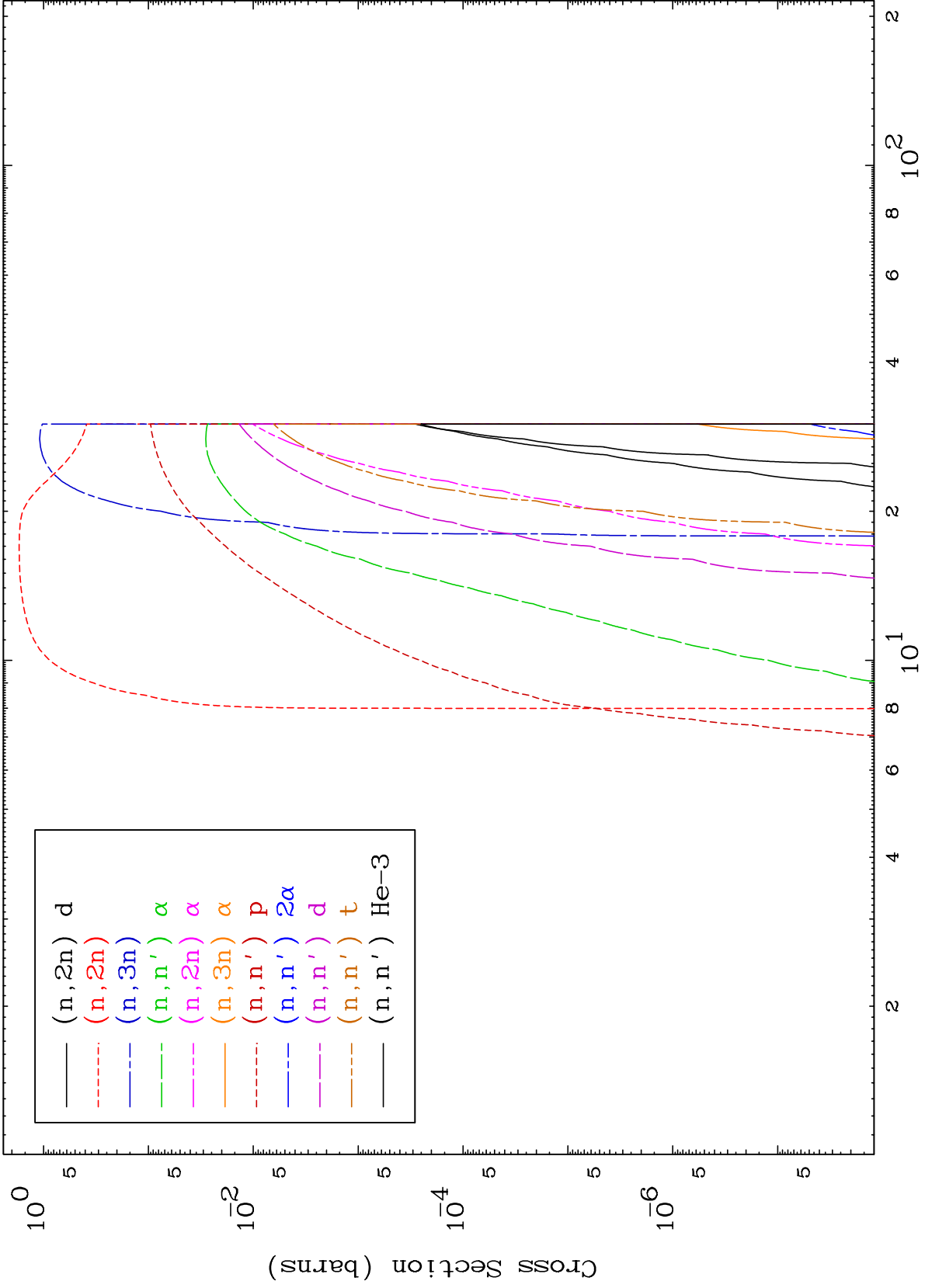
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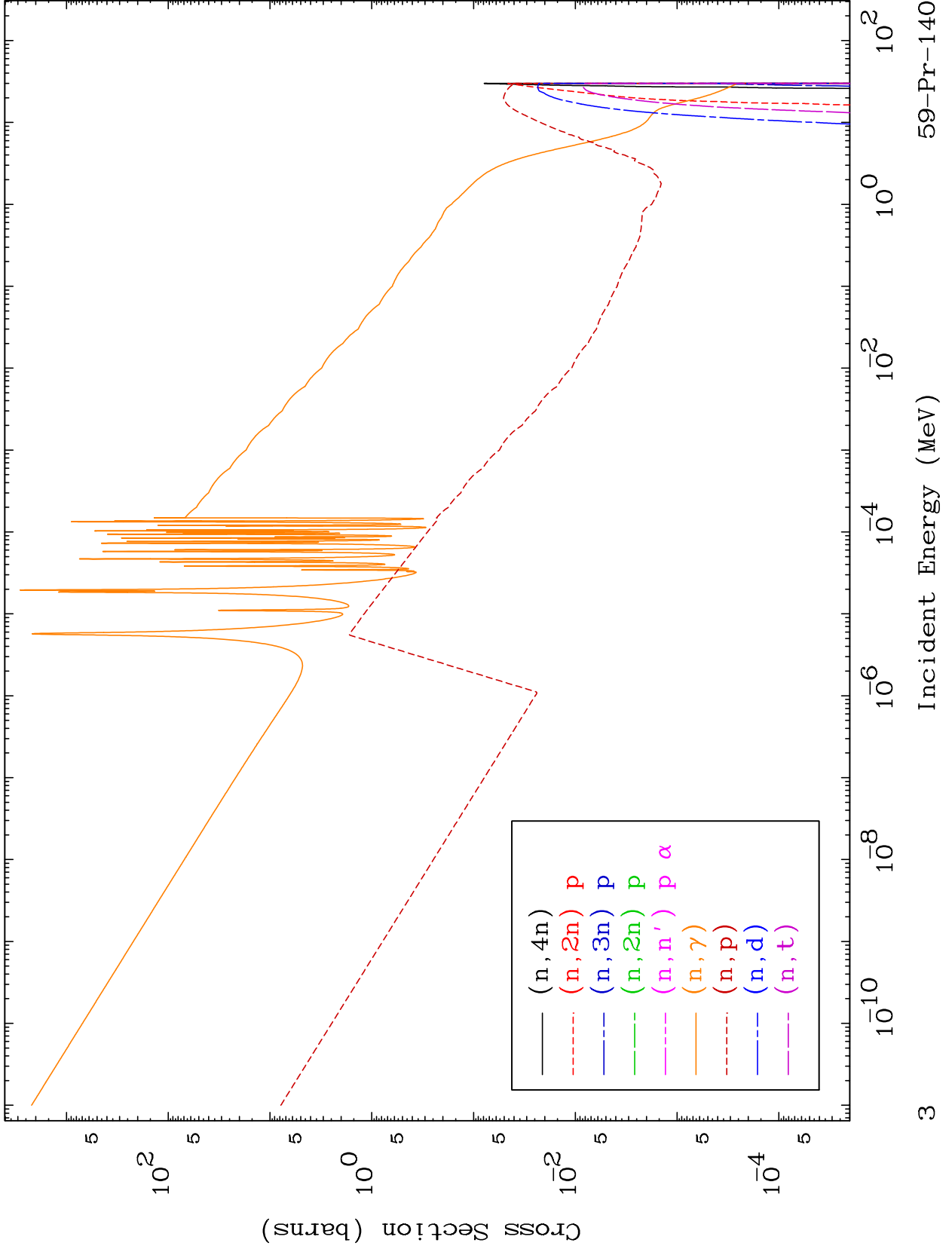
MAT 5922

Neutron Major
293 Kelvin Cross Sections

59-Pr-140



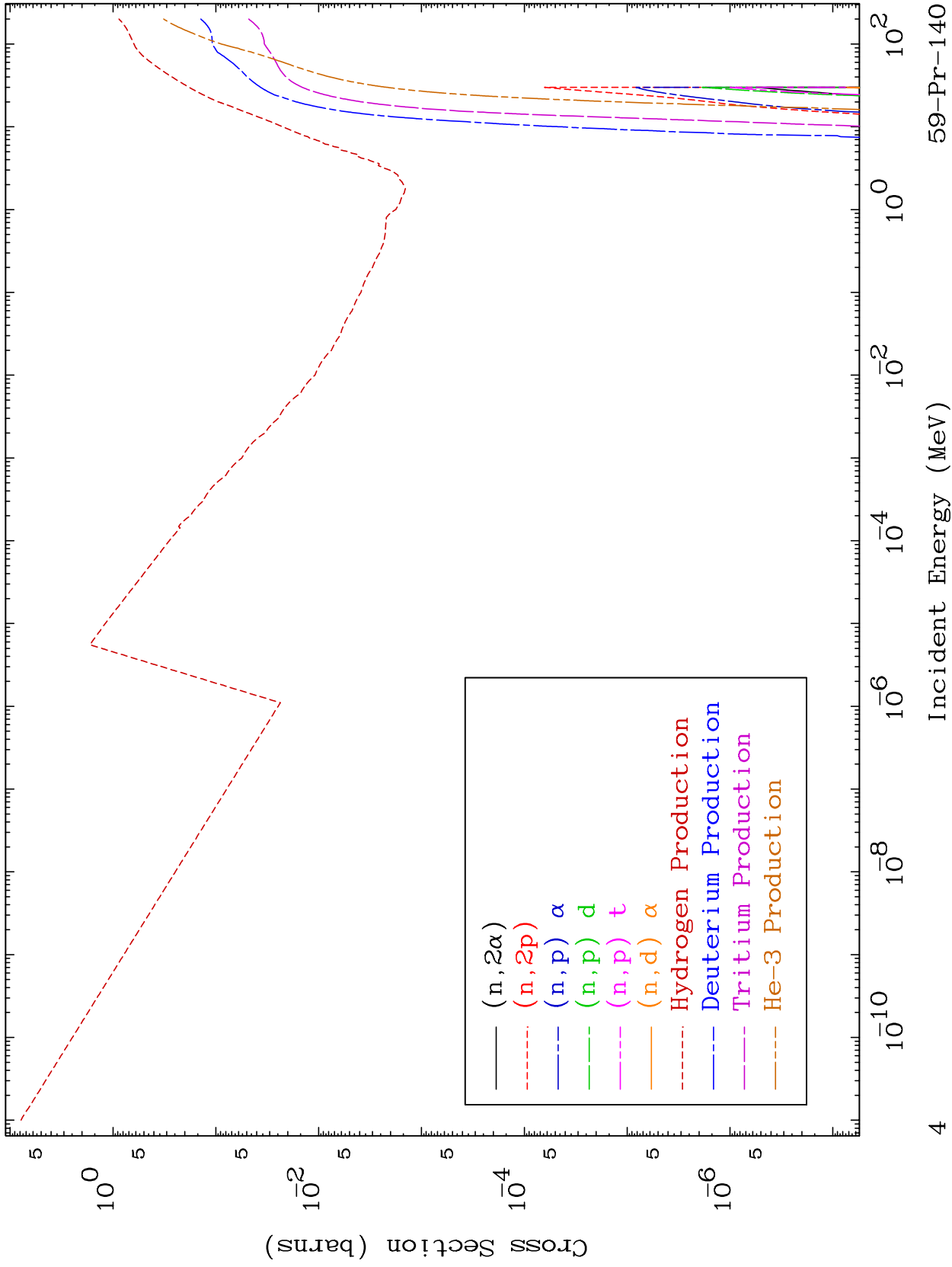




MAT 5922

Neutron Absorption
293 Kelvin Cross Sections

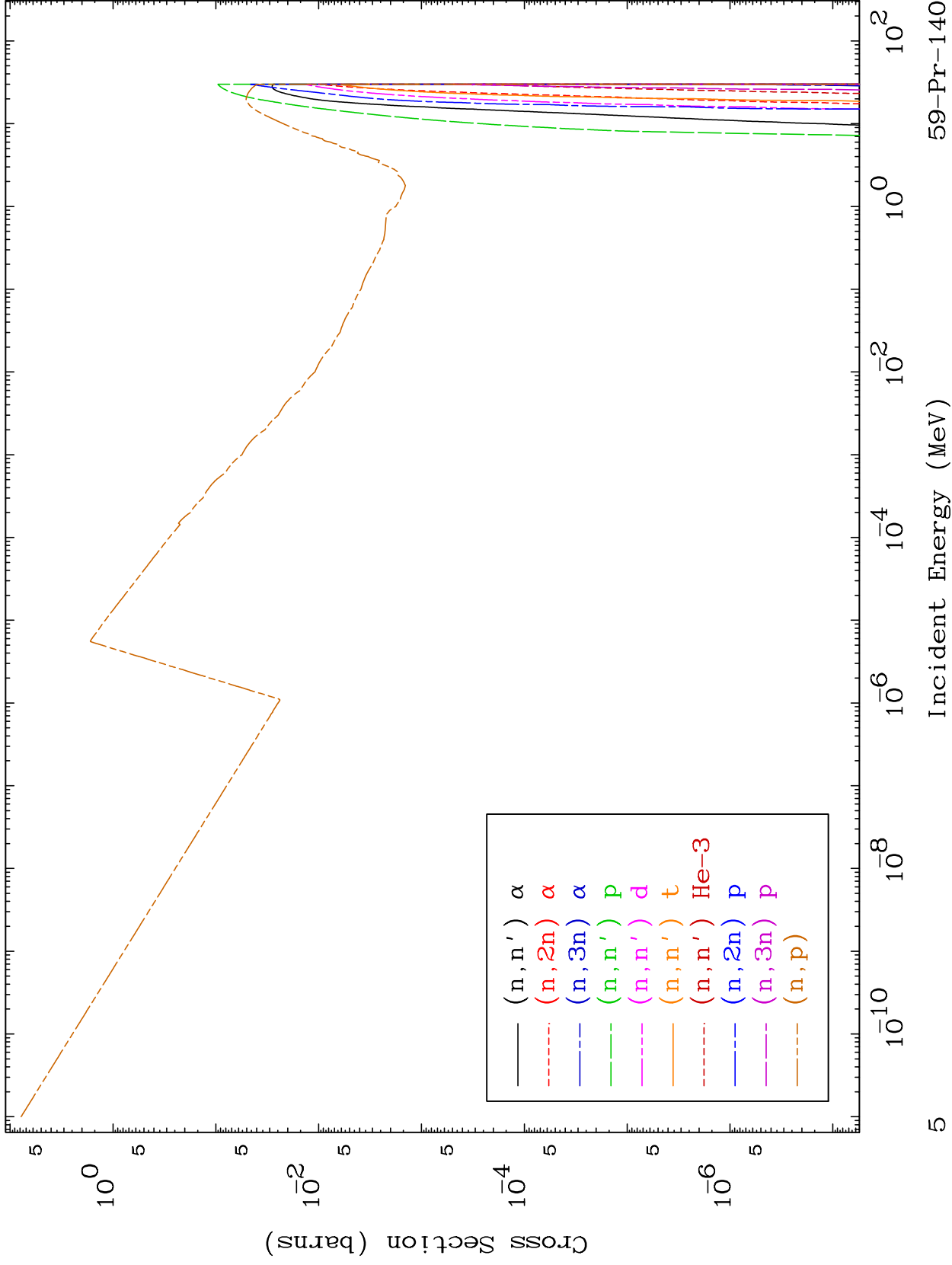
59-Pr-140



MAT 5922

Charged Particle
293 Kelvin Cross Sections

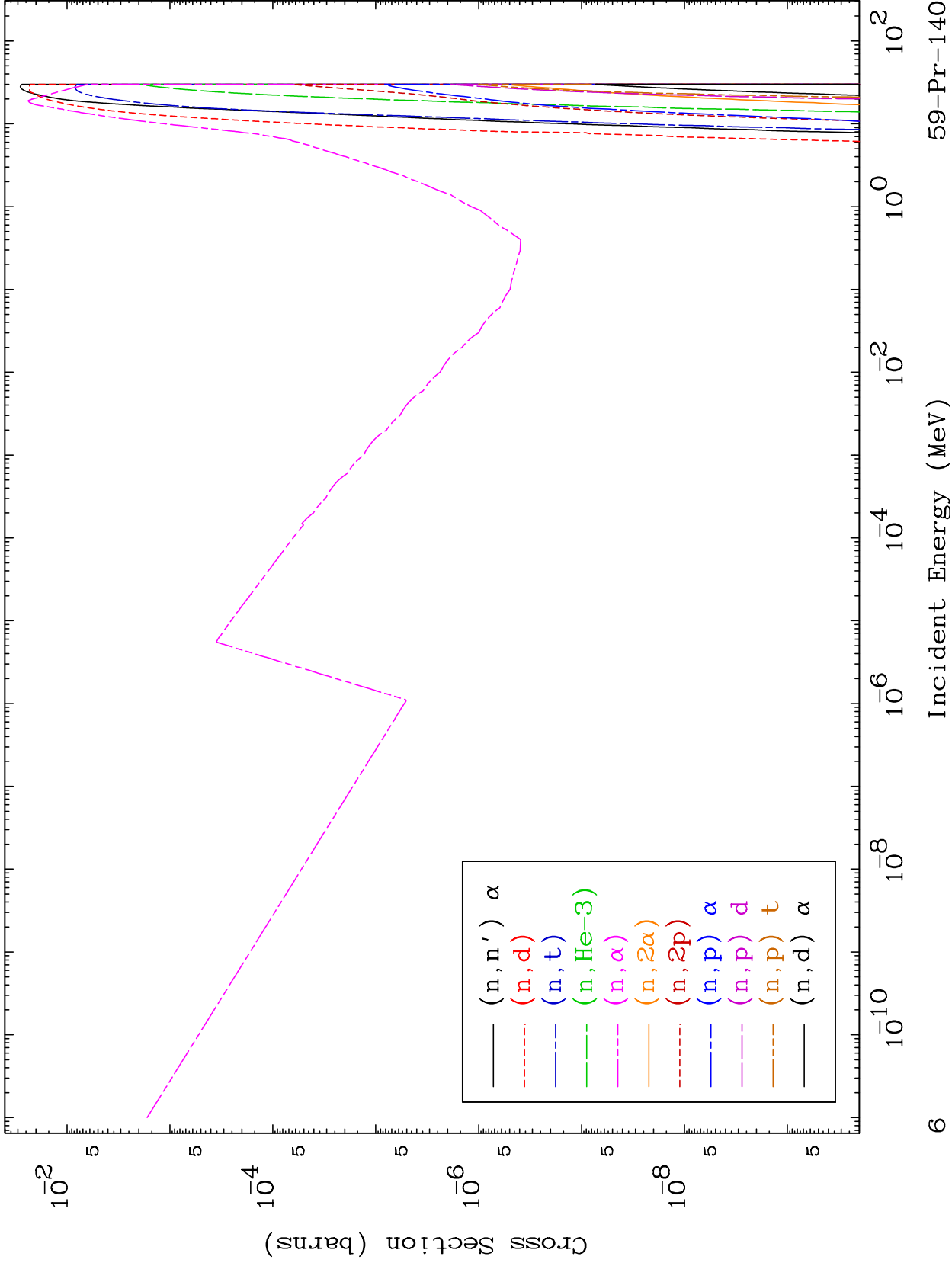
59-Pr-140

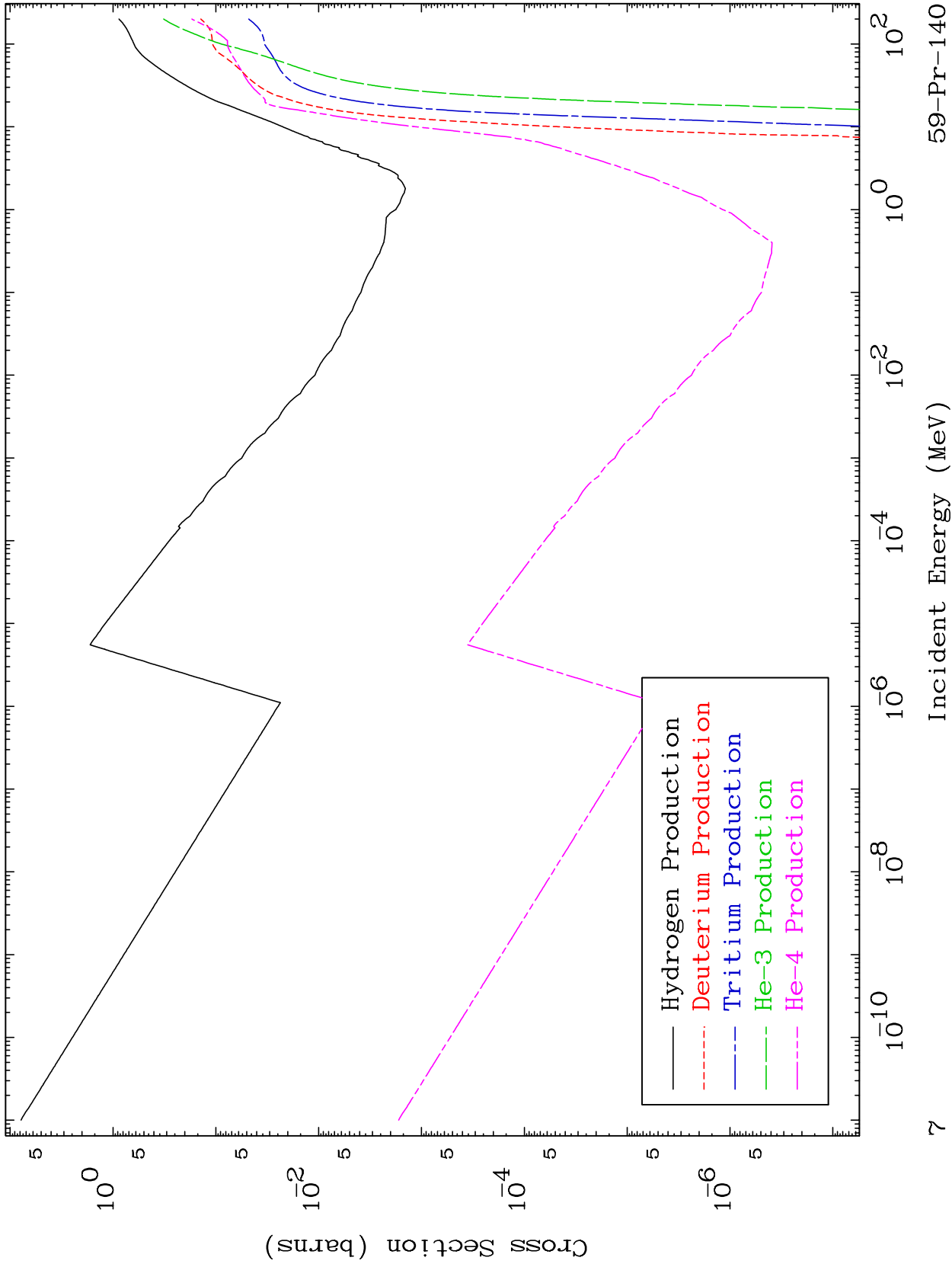


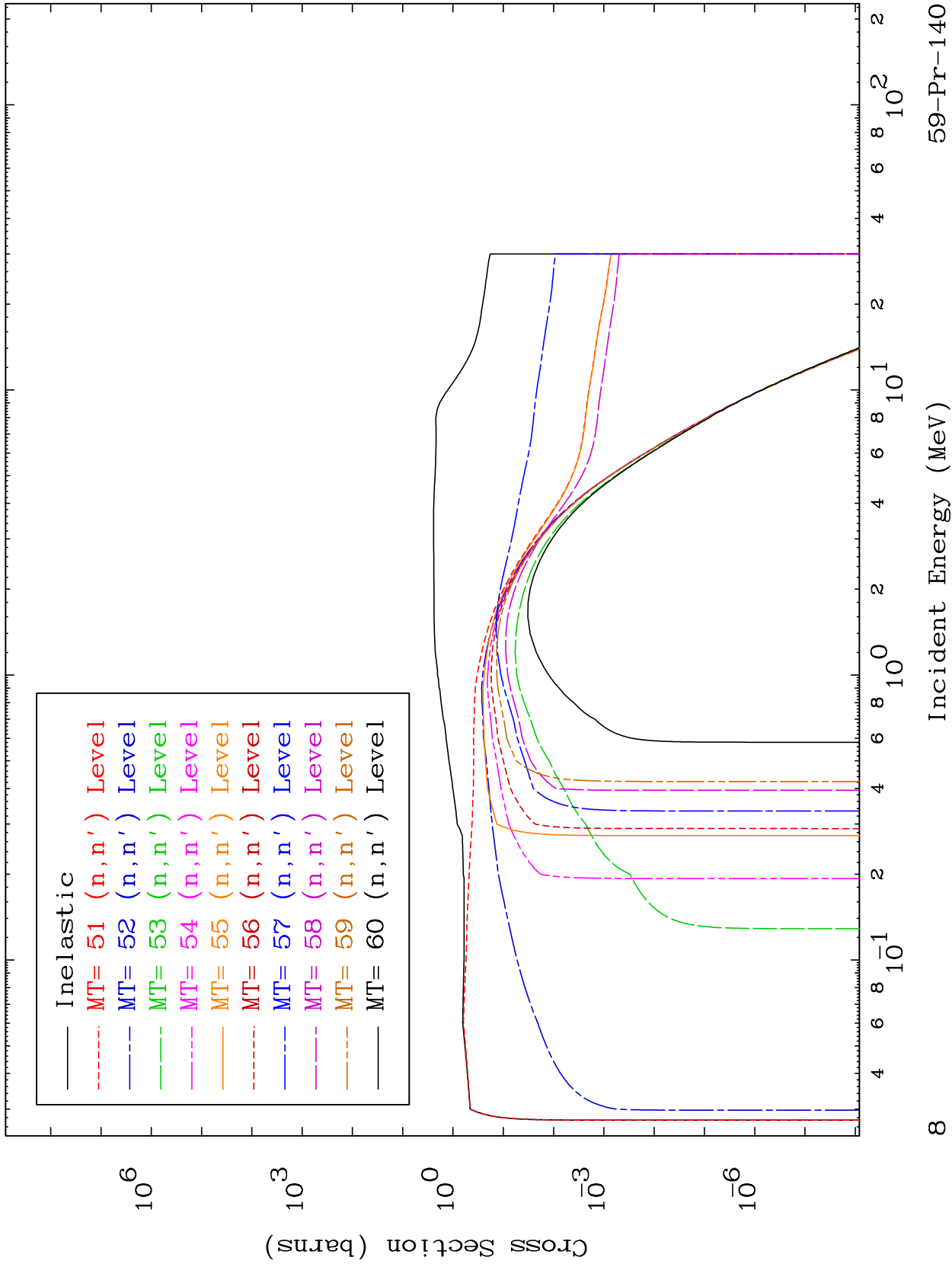
MAT 5922

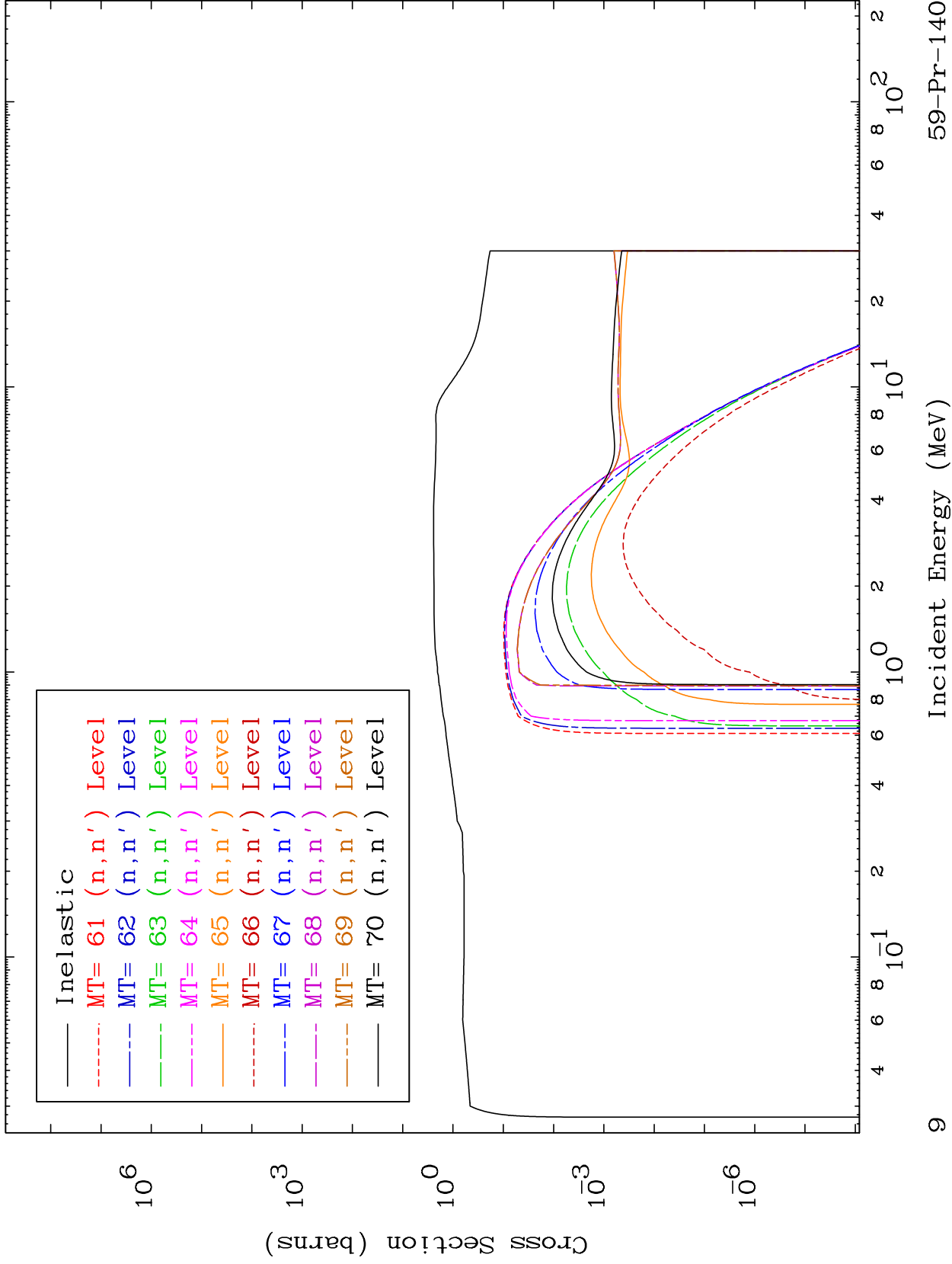
Charged Particle
293 Kelvin Cross Sections

59-Pr-140

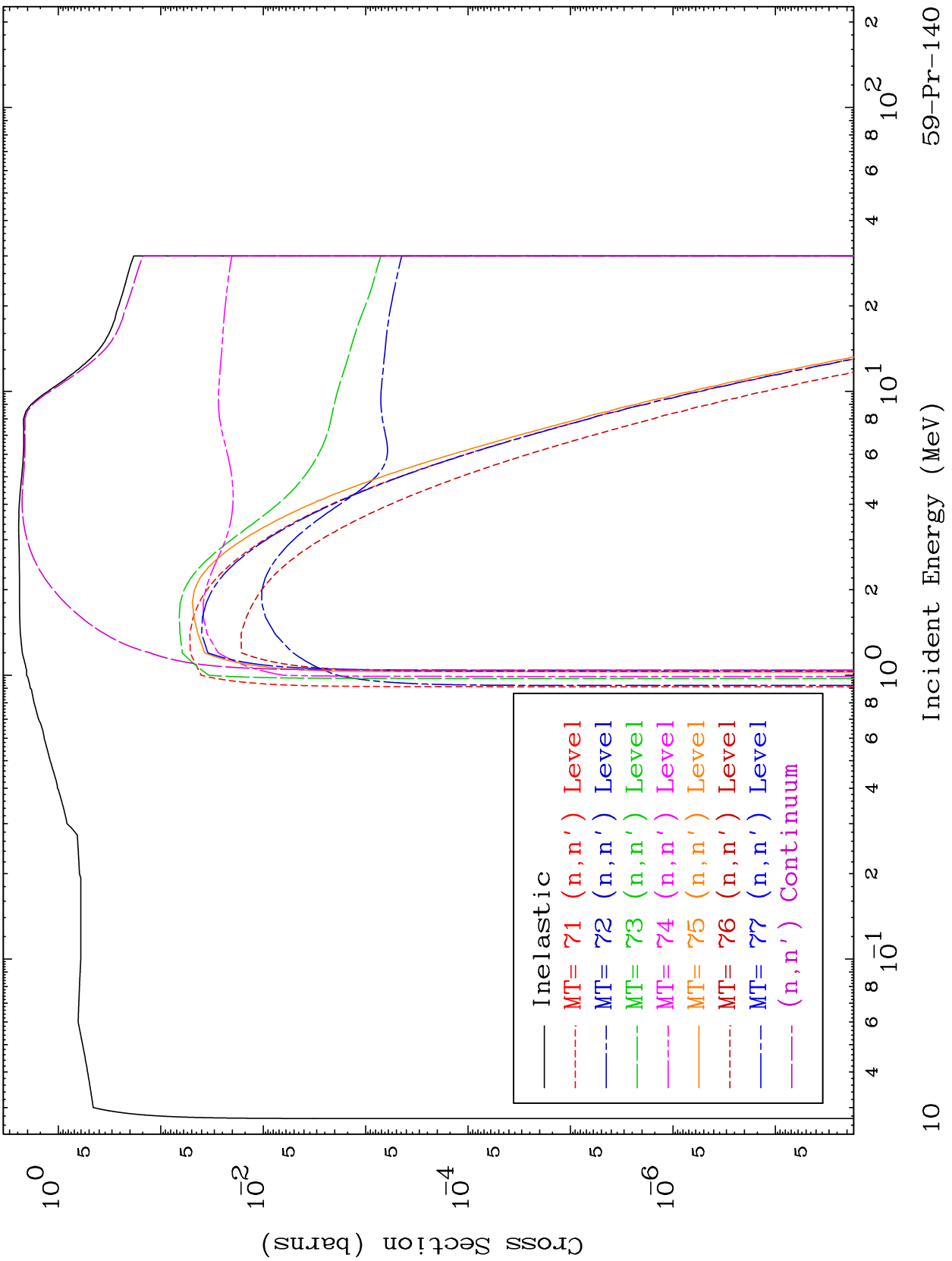








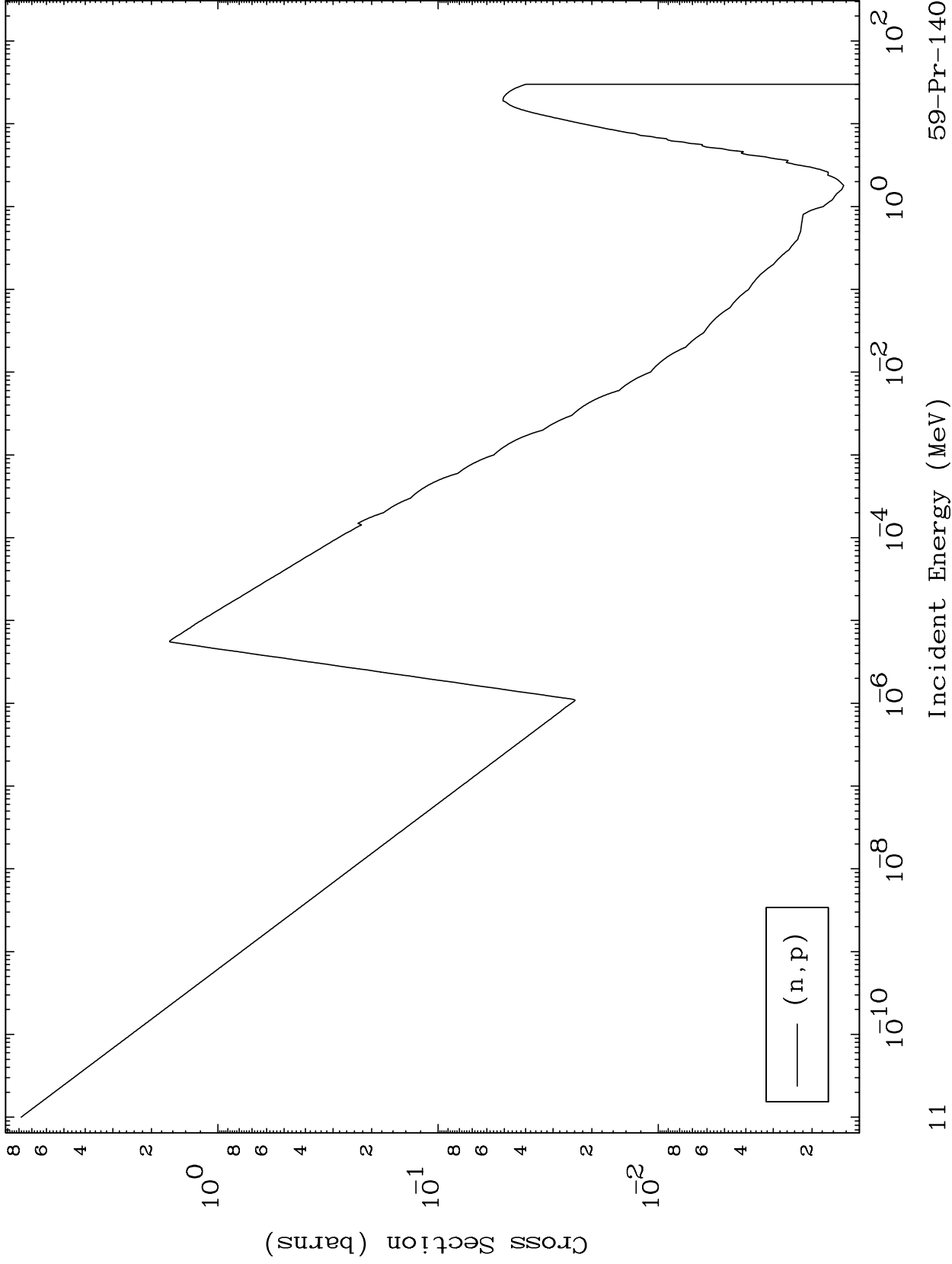
(n,n') Levels
293 Kelvin Cross Sections



MAT 59222

(n,p) Levels
293 Kelvin Cross Sections

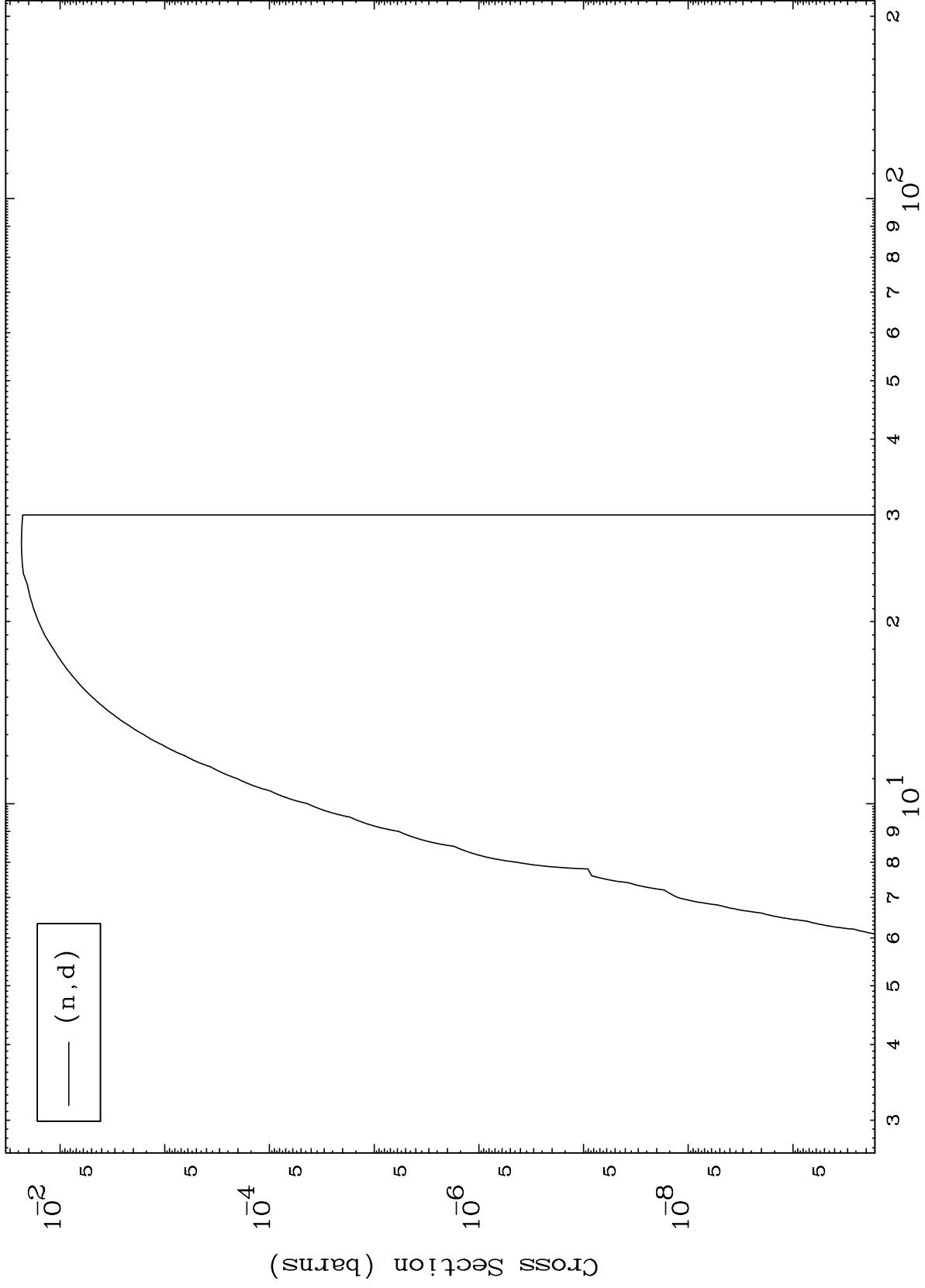
59-Pr-140



MAT 5922

(n,d) Levels
293 Kelvin Cross Sections

59-Pr-140



12

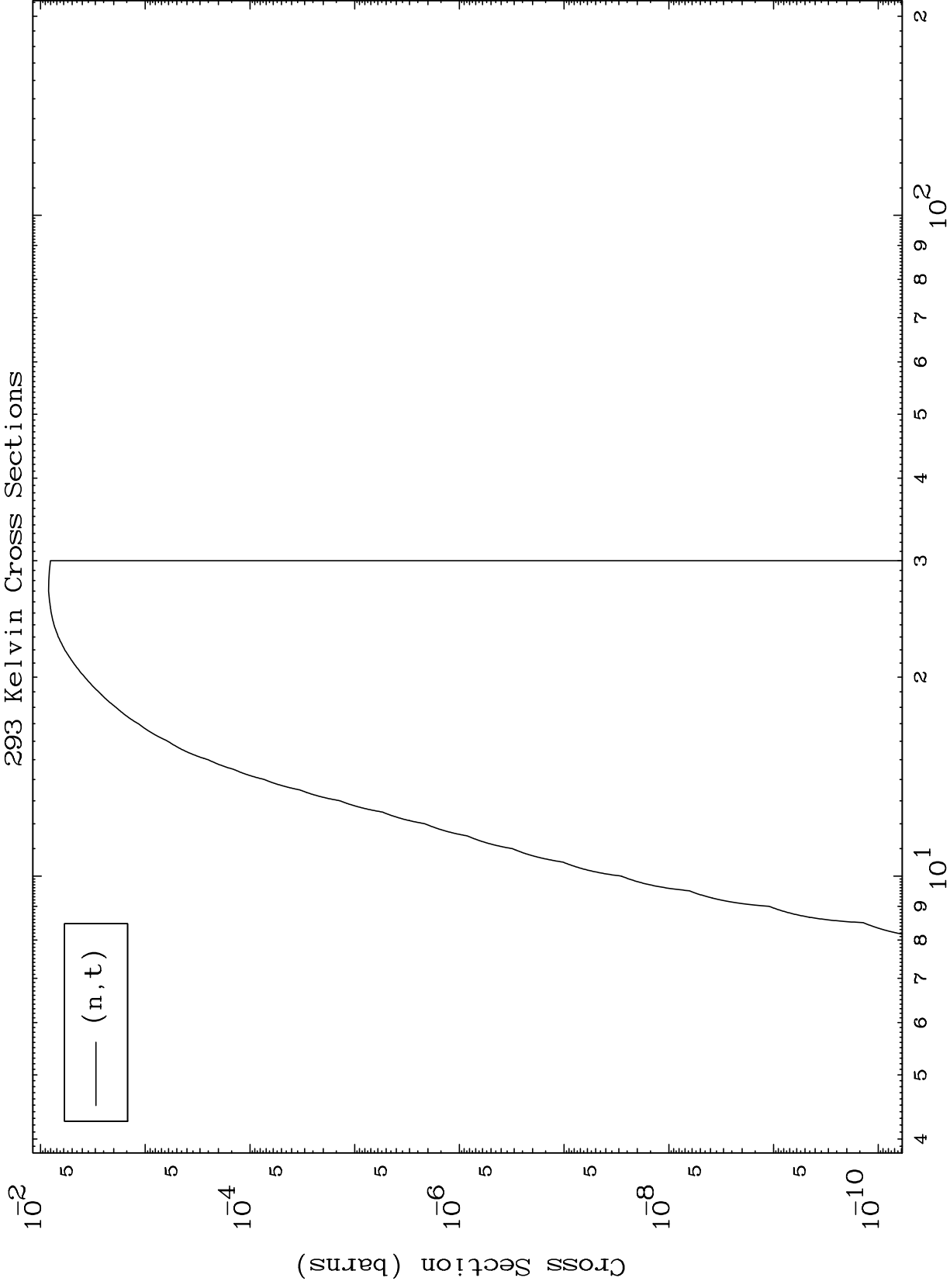
Incident Energy (MeV)

59-Pr-140

MAT 5922

(n,t) Levels
293 Kelvin Cross Sections

59-Pr-140



13

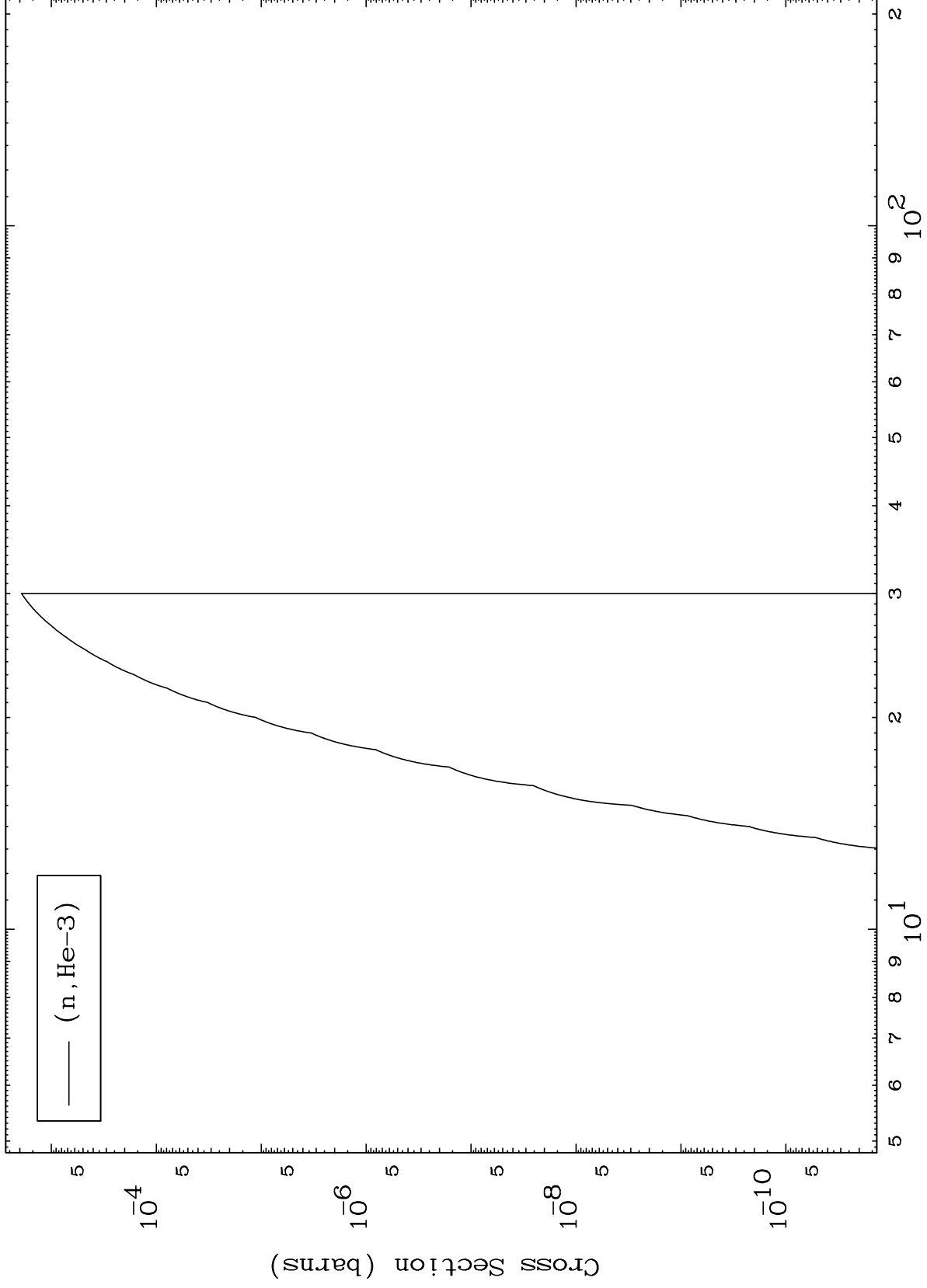
Incident Energy (MeV)

59-Pr-140

MAT 5922

(n,He3) Levels
293 Kelvin Cross Sections

59-Pr-140



14

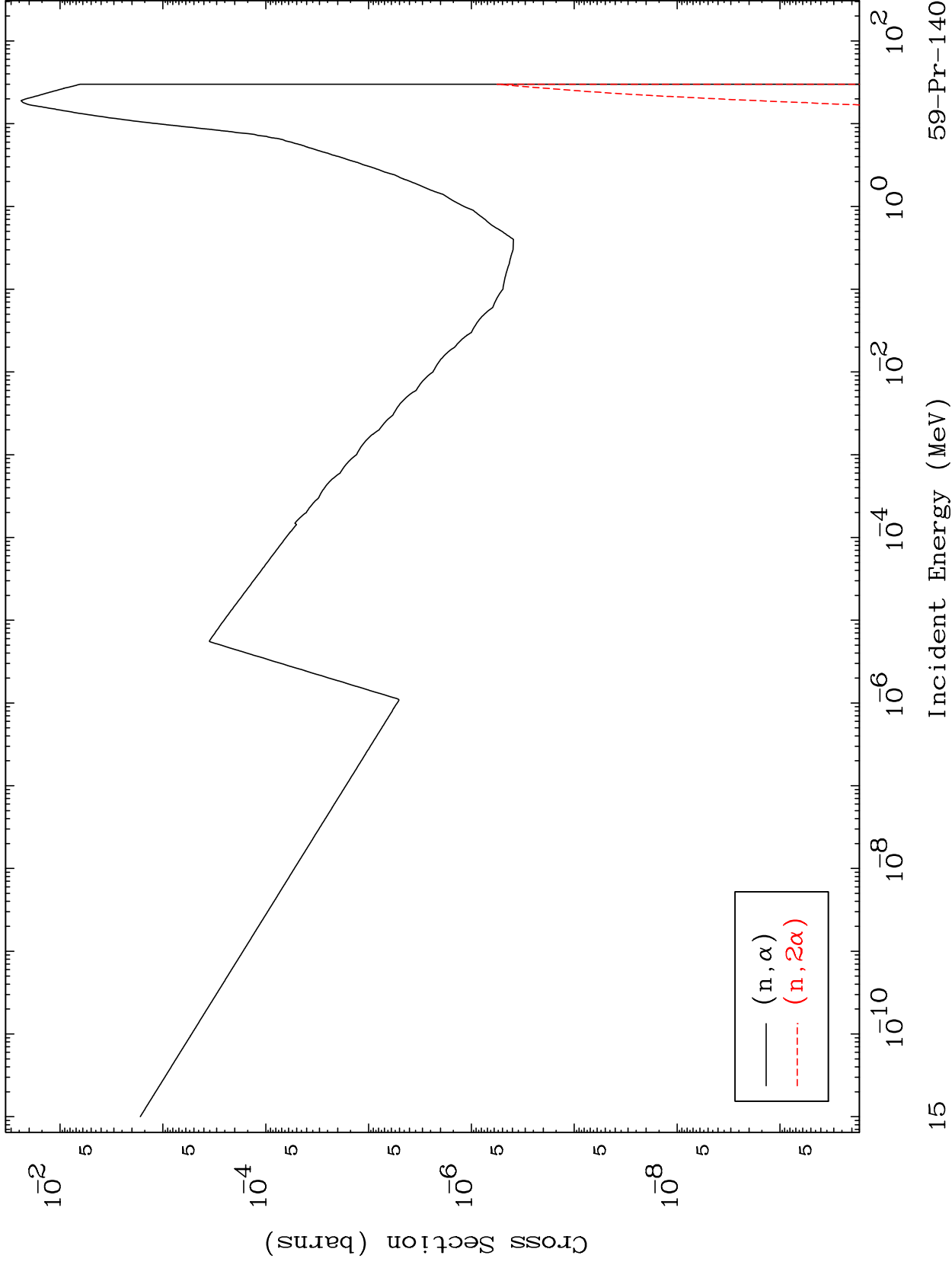
Incident Energy (MeV)

59-Pr-140

MAT 5922

(n,α) Levels
293 Kelvin Cross Sections

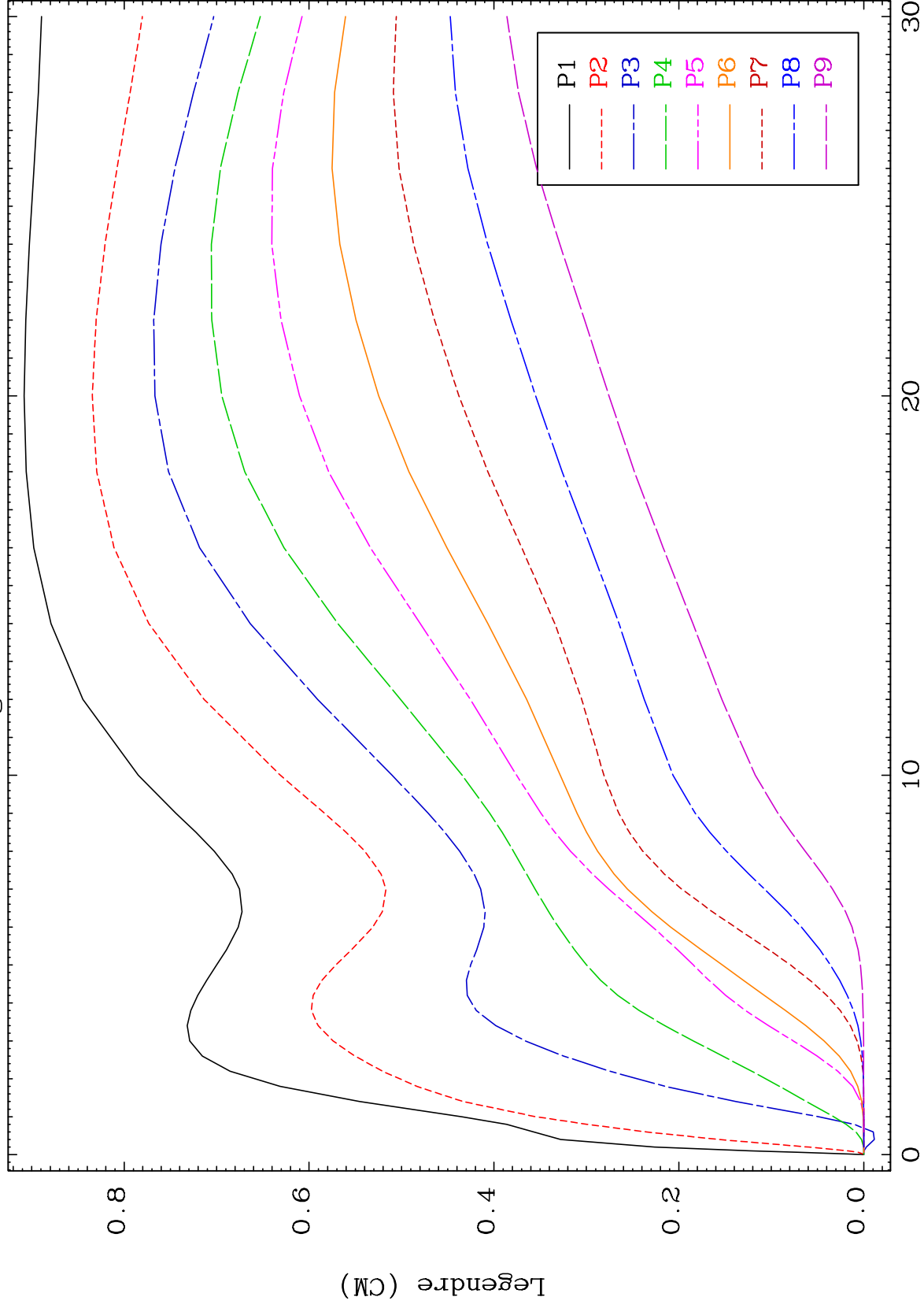
59-Pr-140



MAT 5922

Elastic Legendre Coefficients

59-Pr-140



16

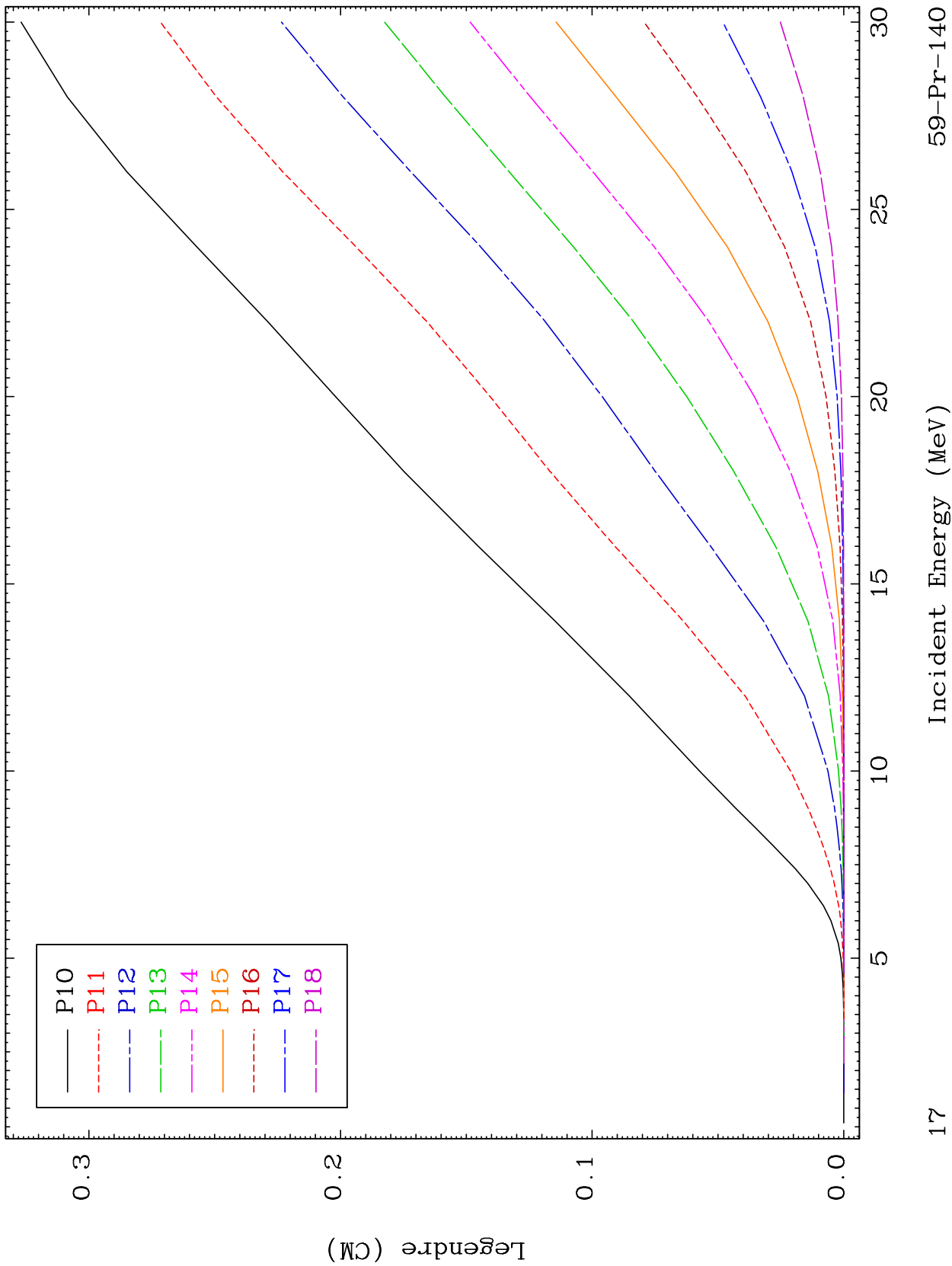
Incident Energy (MeV)

59-Pr-140

MAT 5922

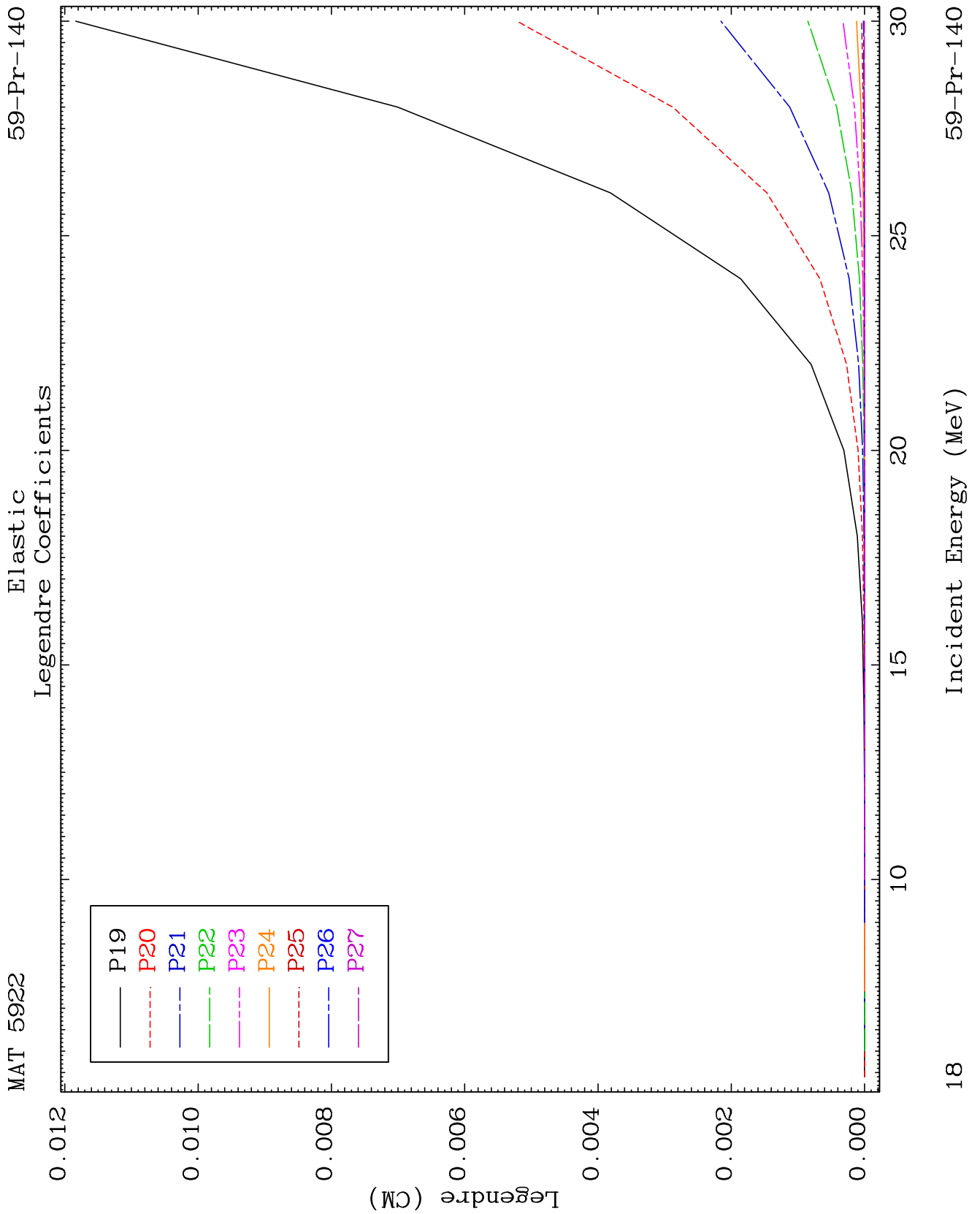
Elastic Legendre Coefficients

59-Pr-140



17

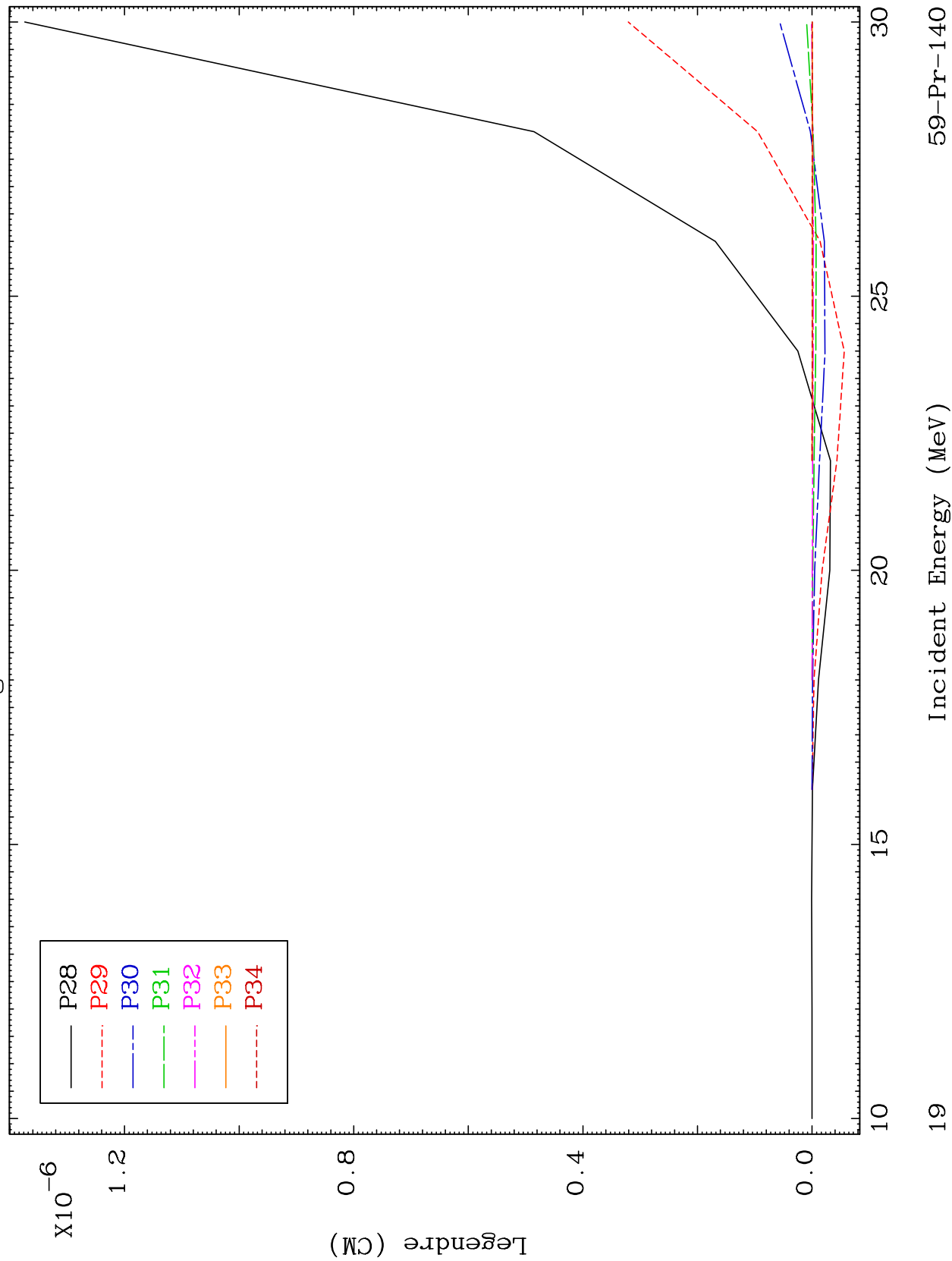
59-Pr-140



MAT 5922

Elastic
Legendre Coefficients

59-Pr-140



19

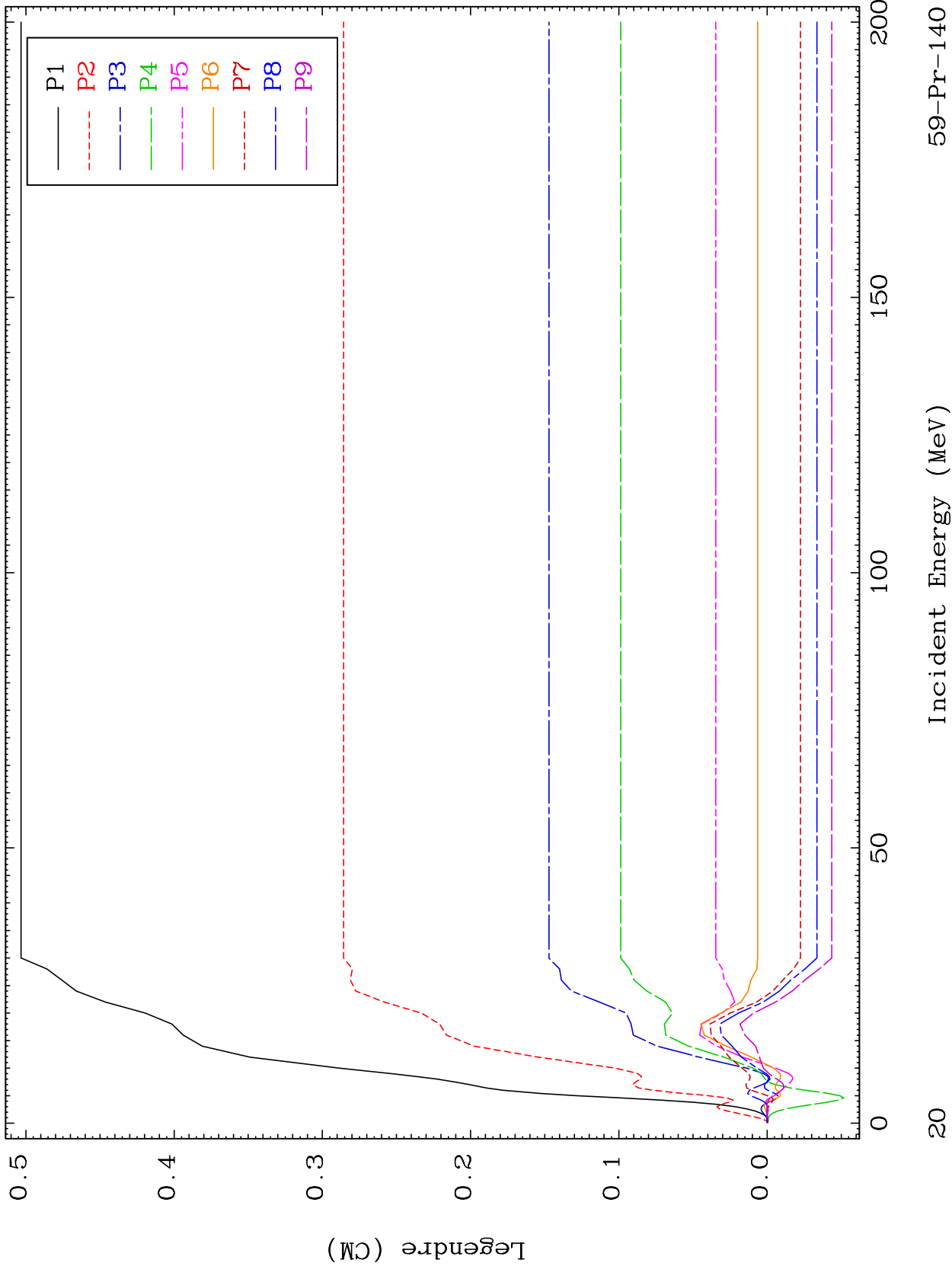
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

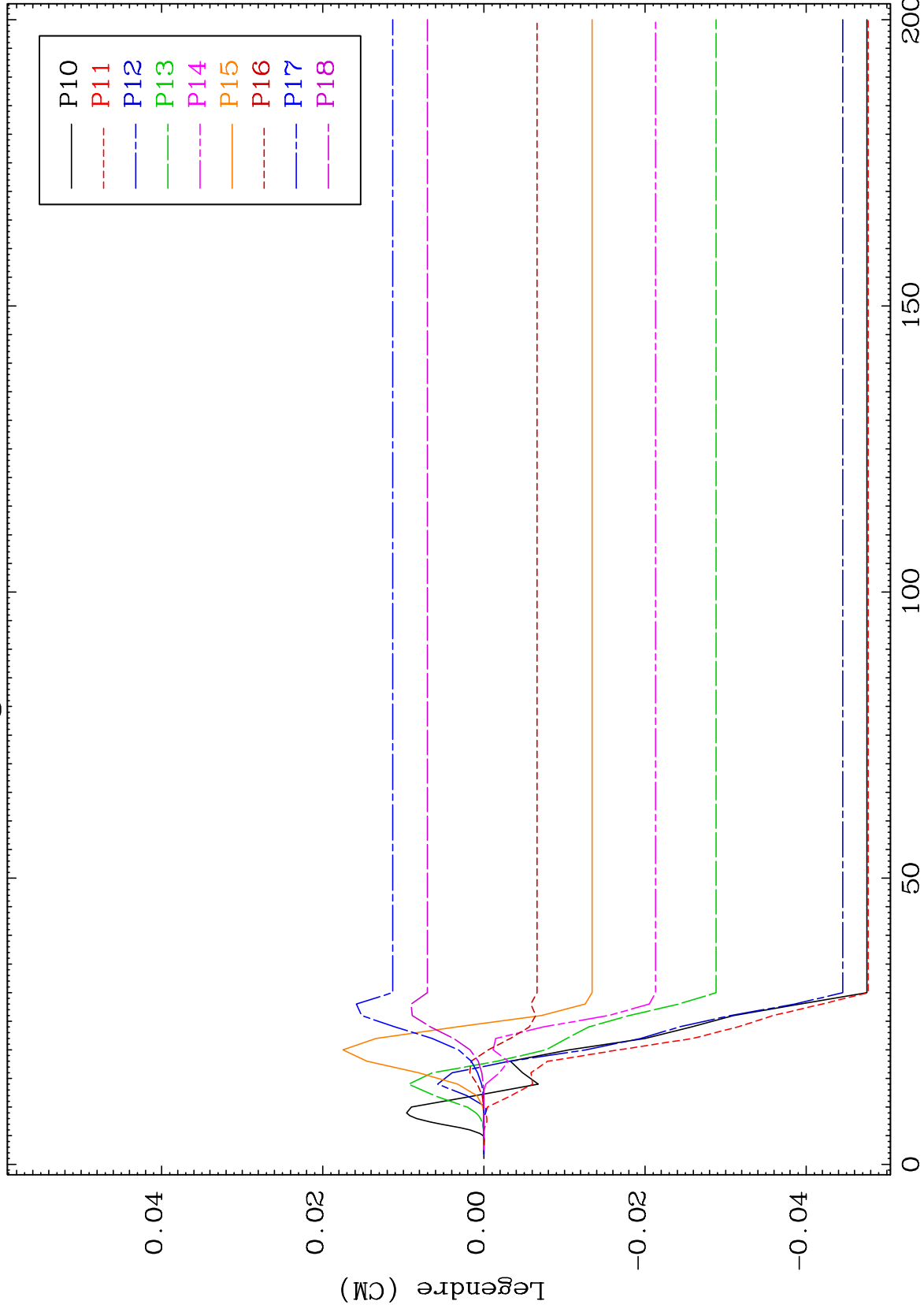
59-Pr-140



MAT 5922

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

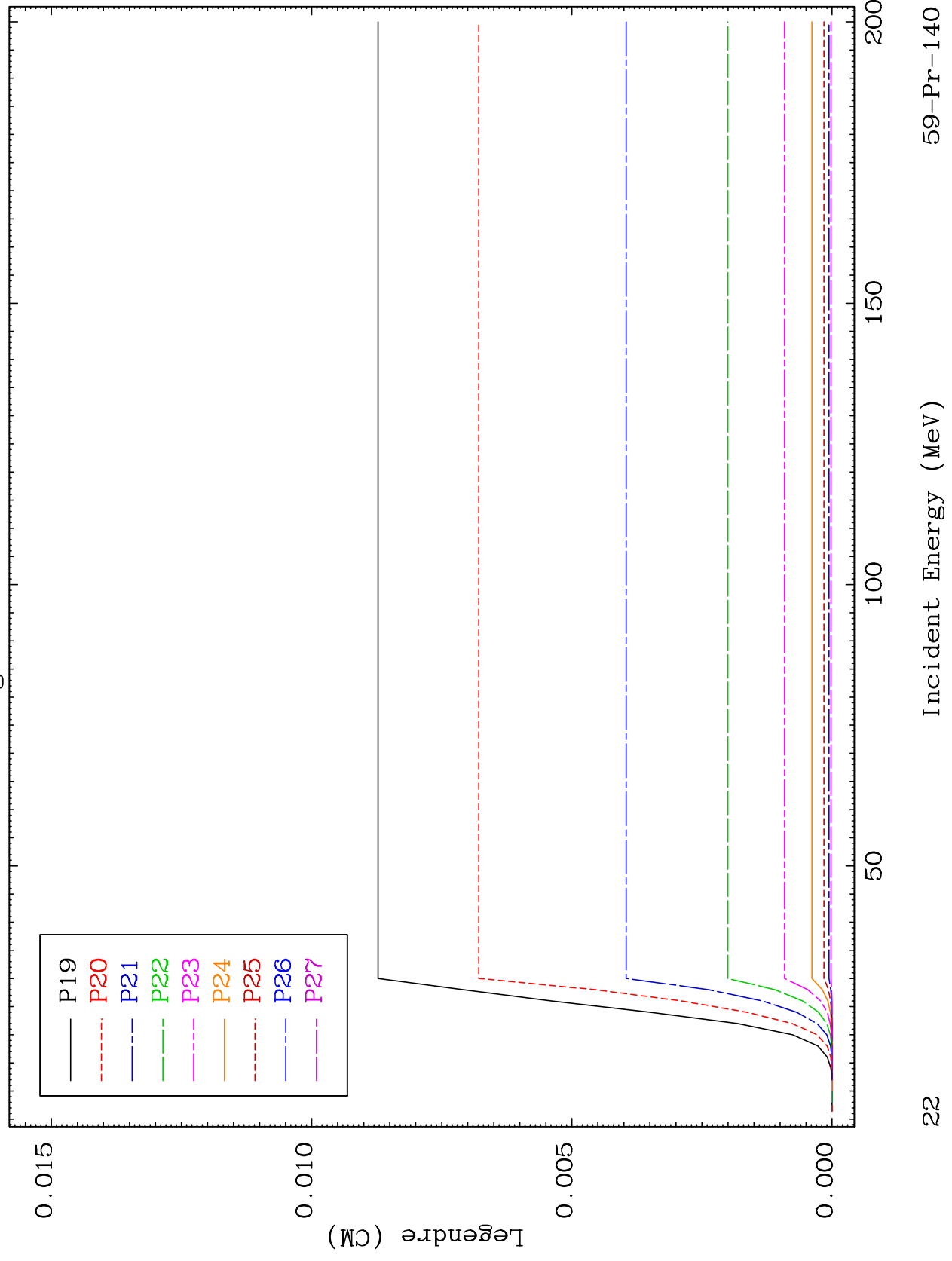
59-Pr-140



21

Incident Energy (MeV)

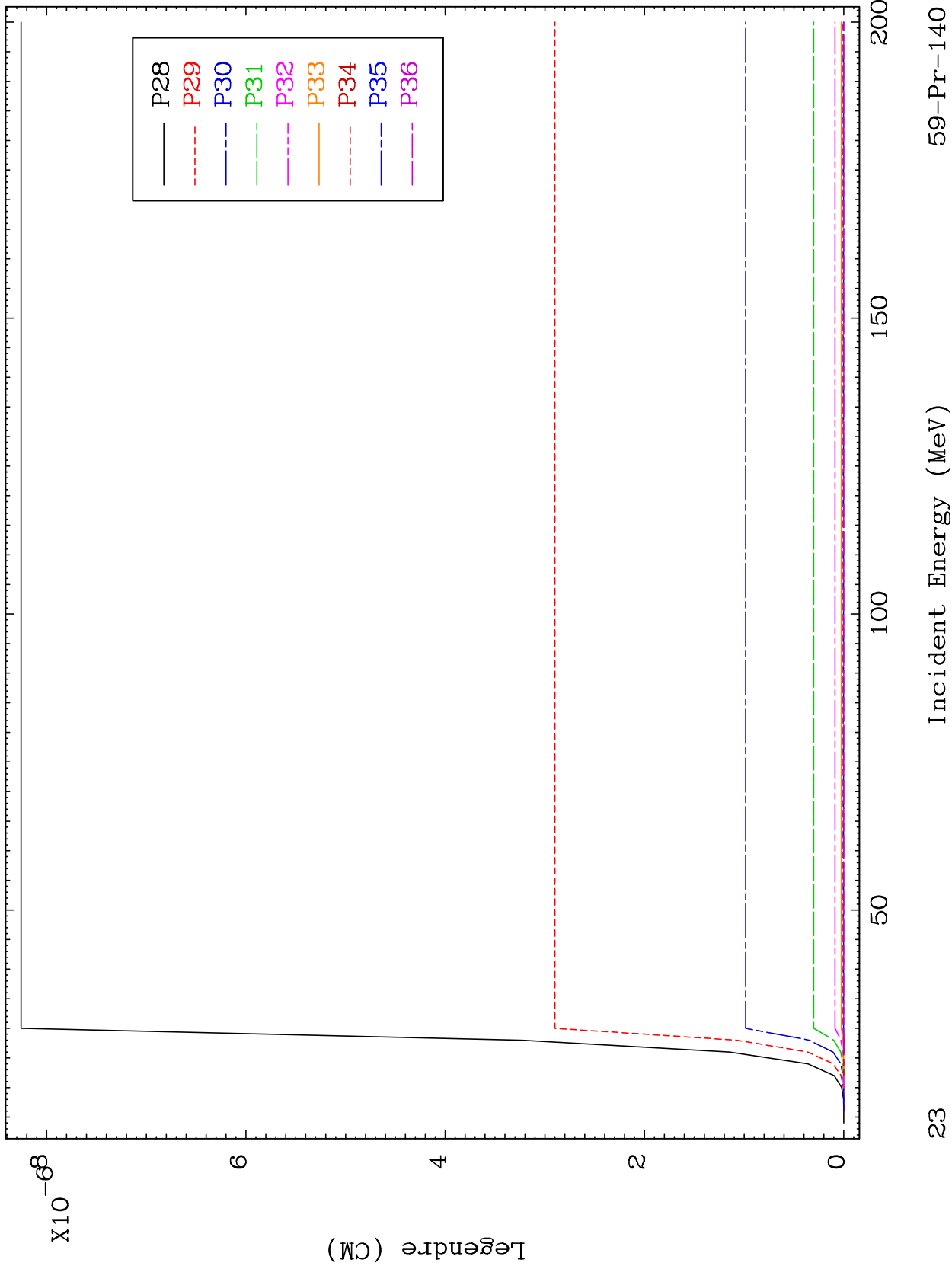
59-Pr-140



MAT 5922

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

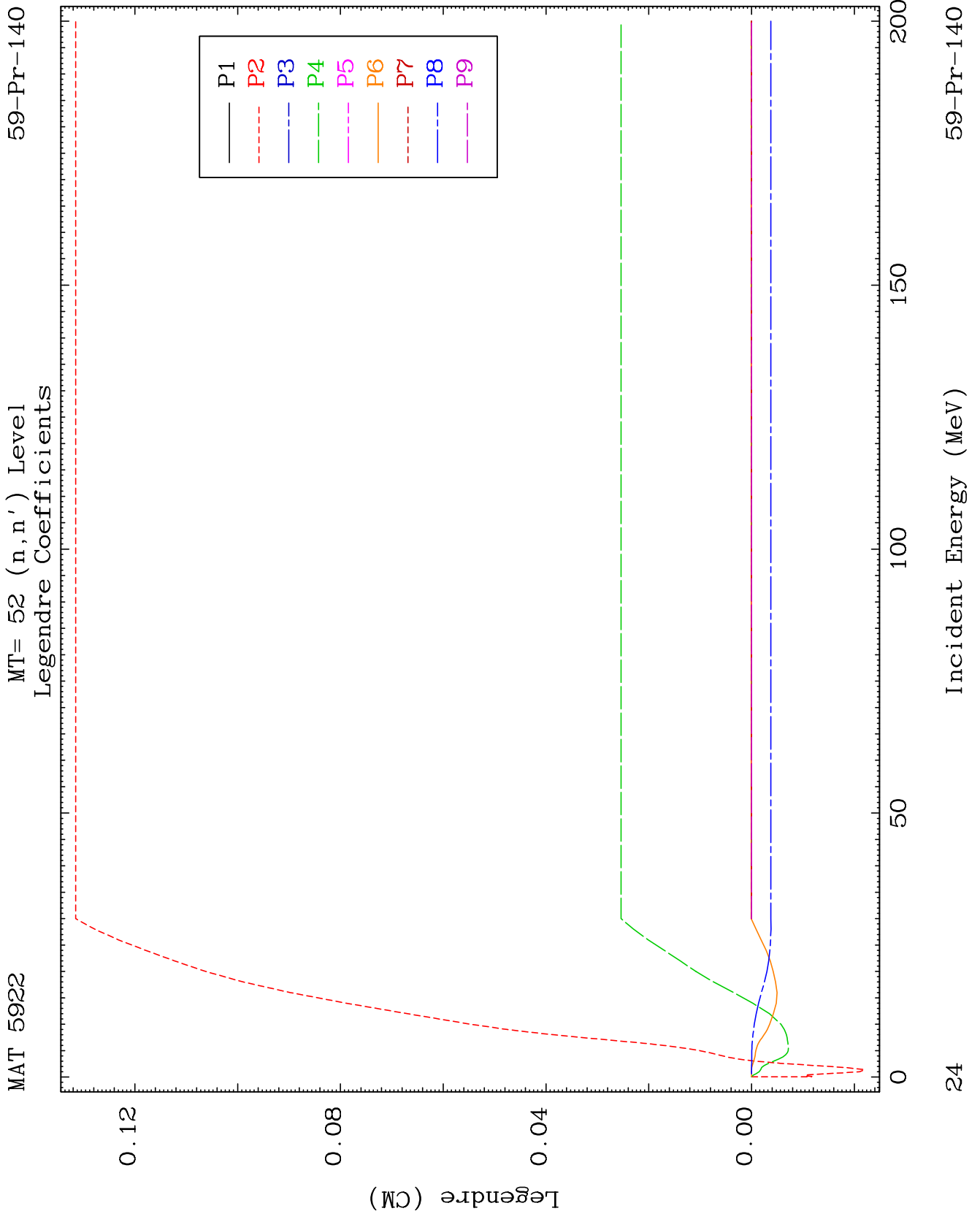
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23

Incident Energy (MeV)

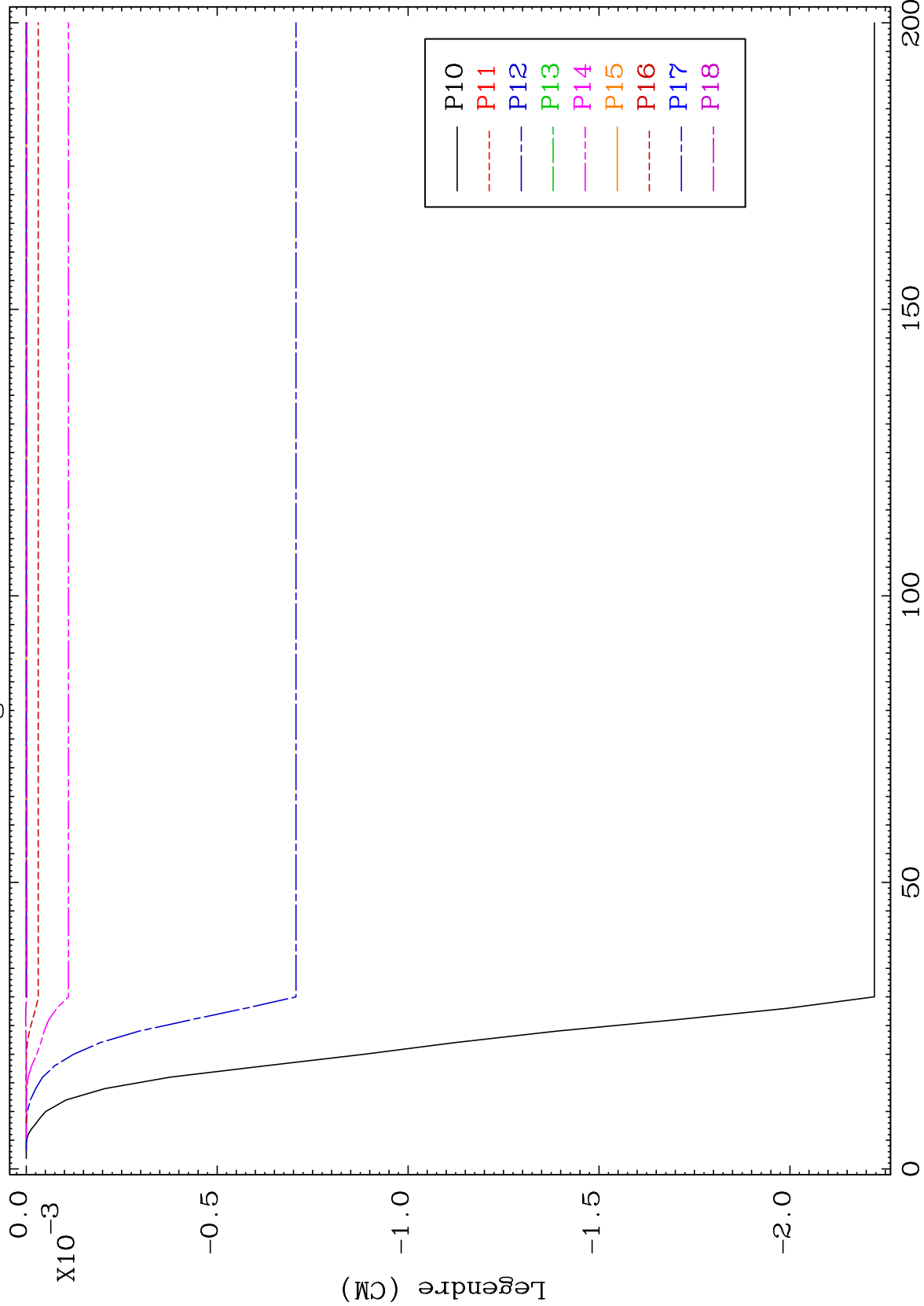
59-Pr-140



MAT 5922

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

59-Pr-140



25

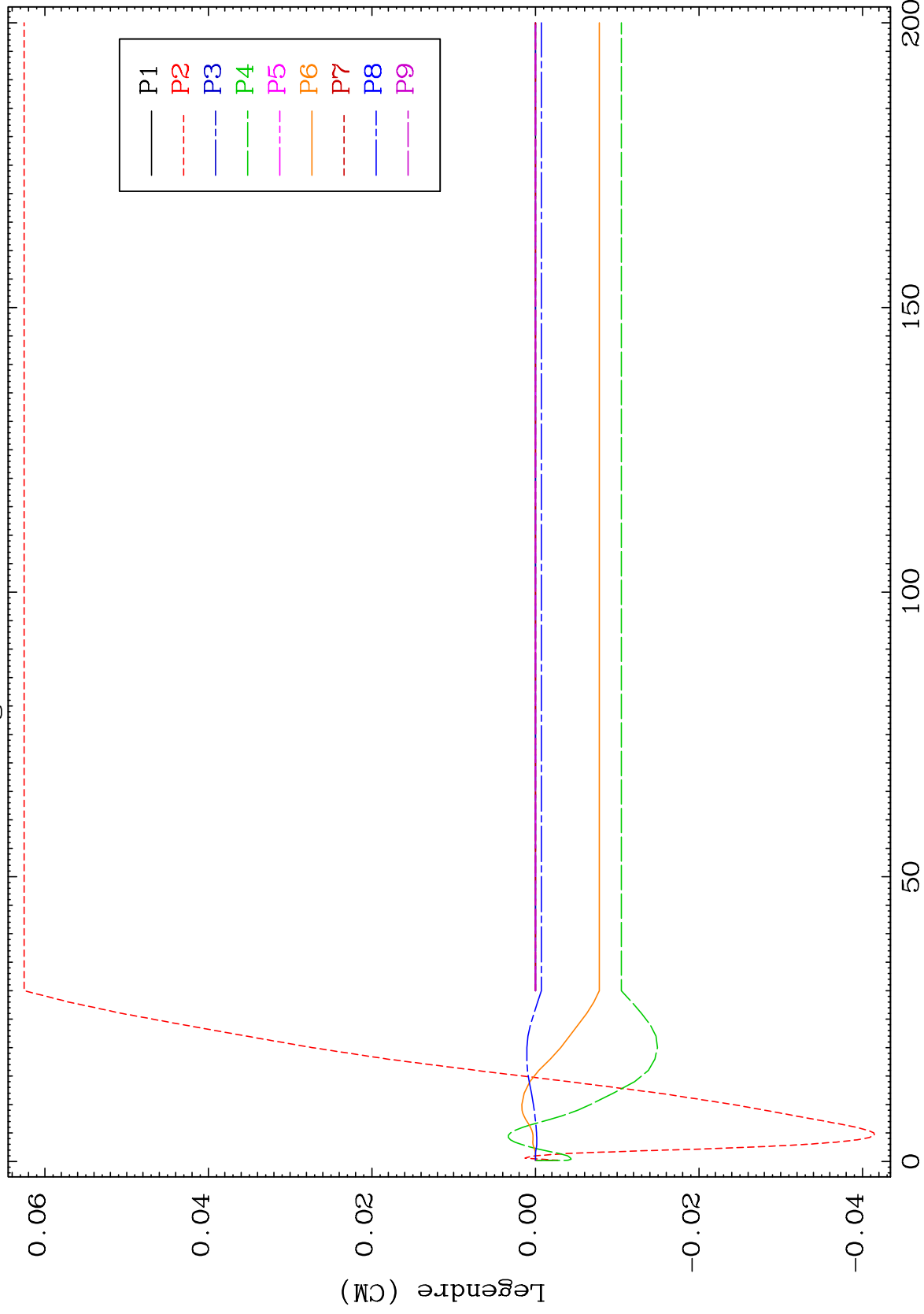
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



27

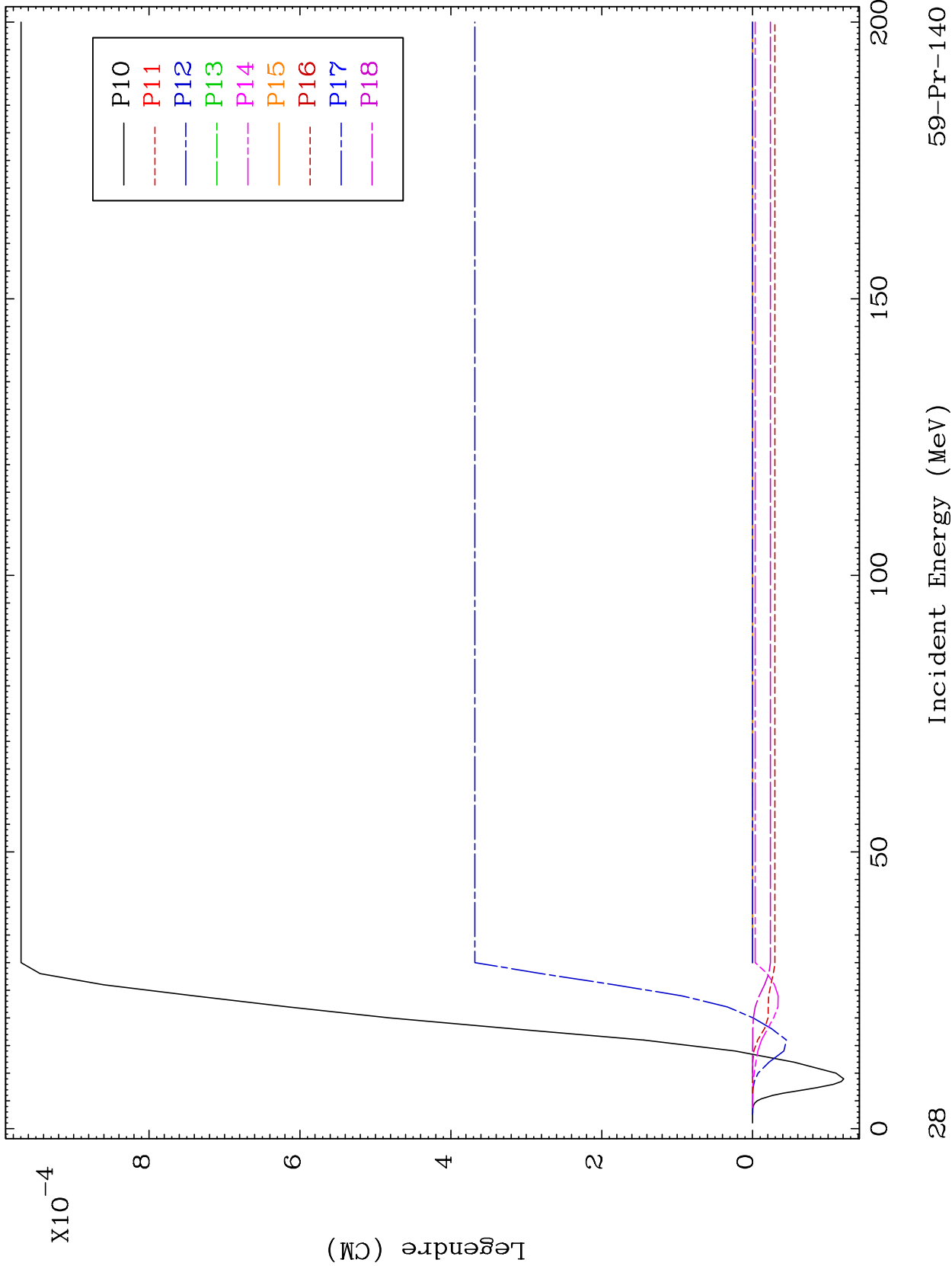
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

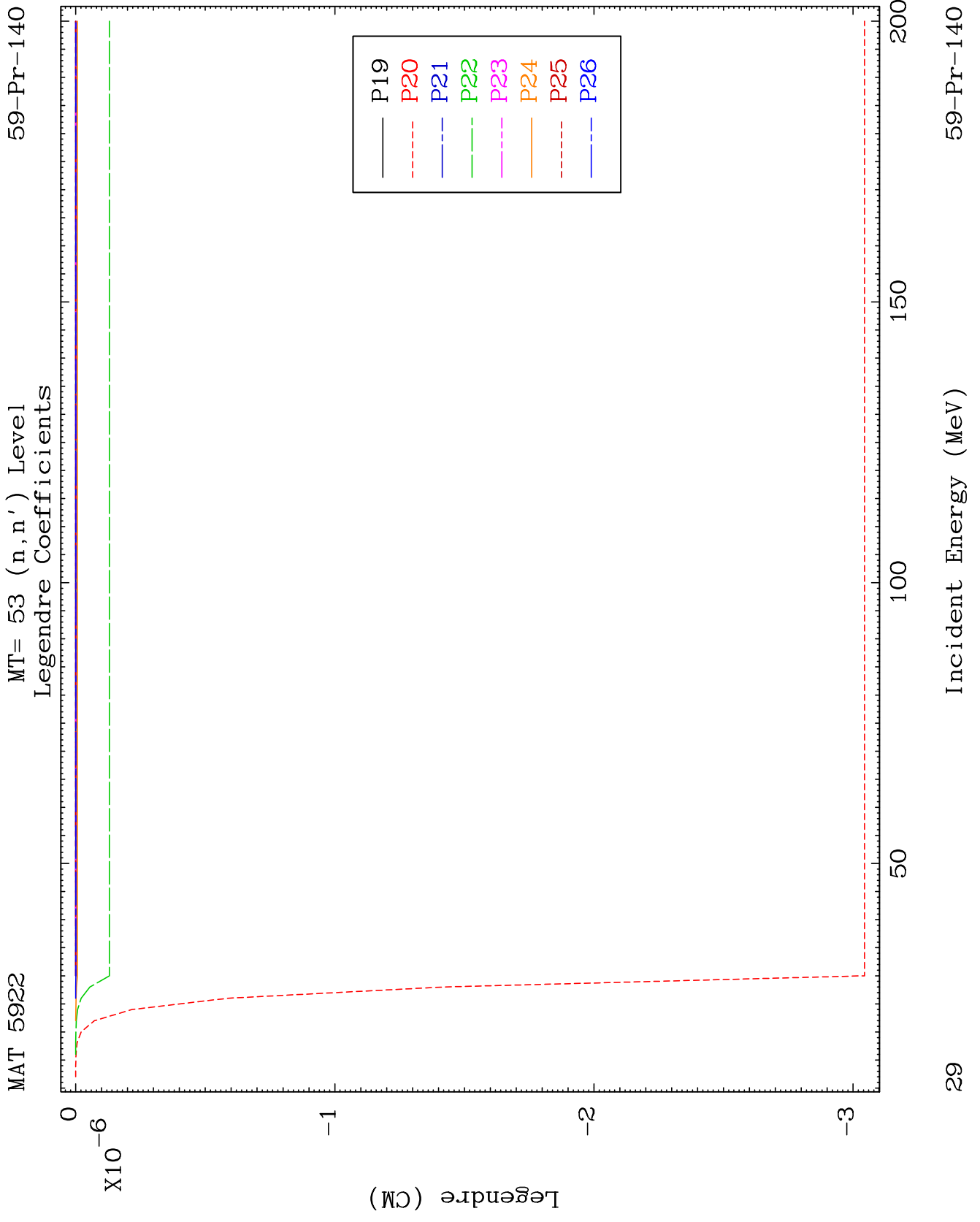
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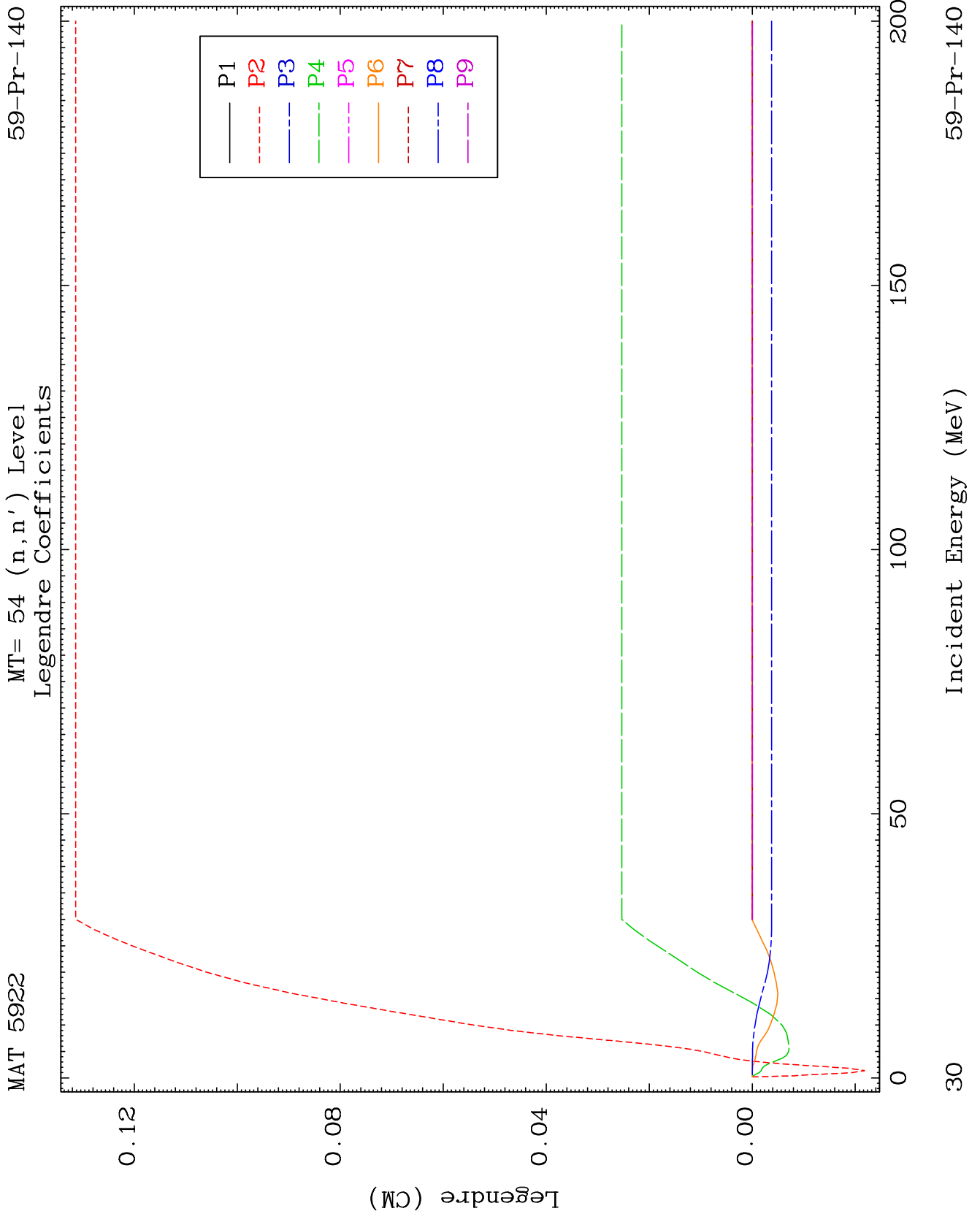


28

Incident Energy (MeV)

59-Pr-140

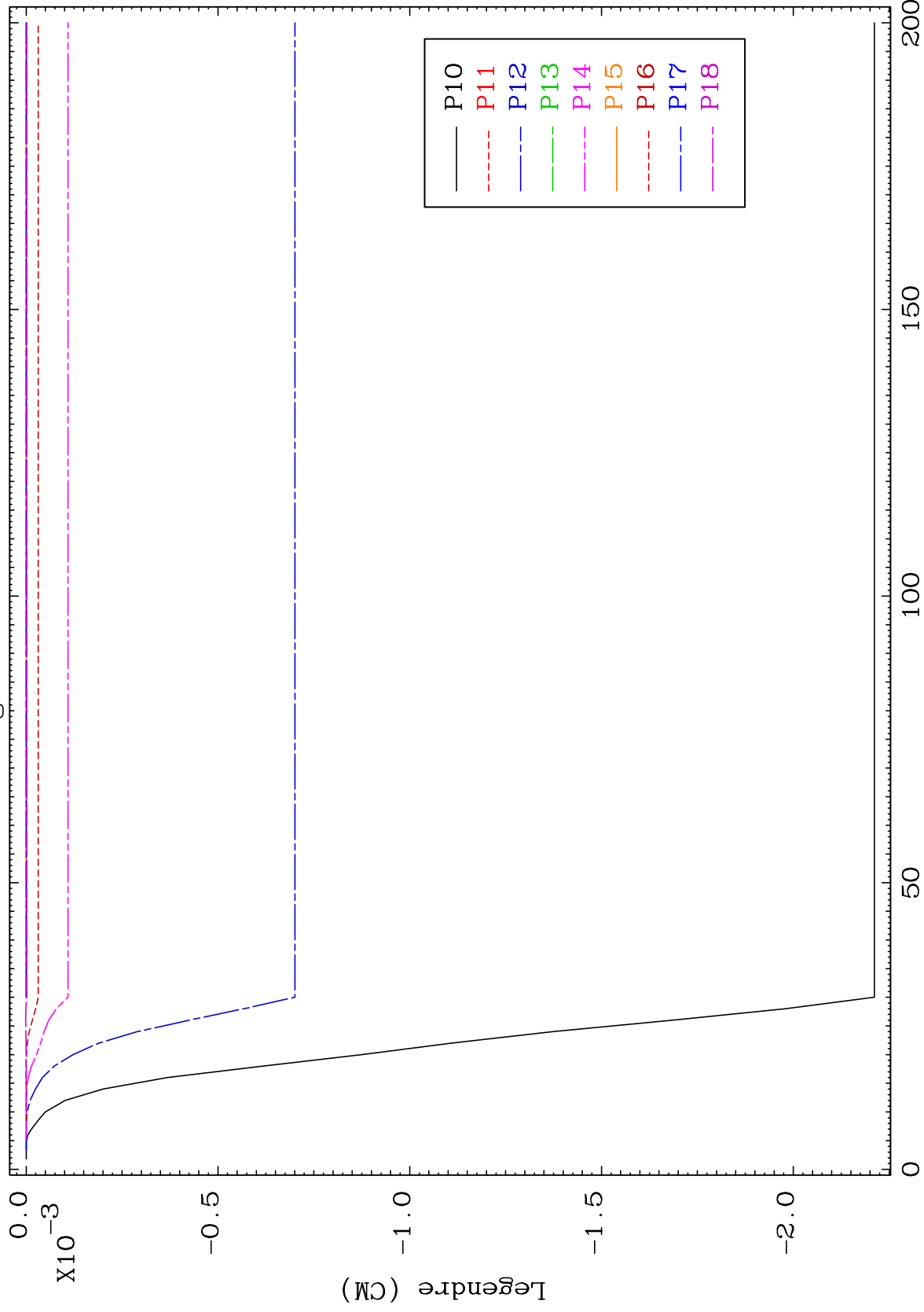




MAT 5922

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

59-Pr-140



31

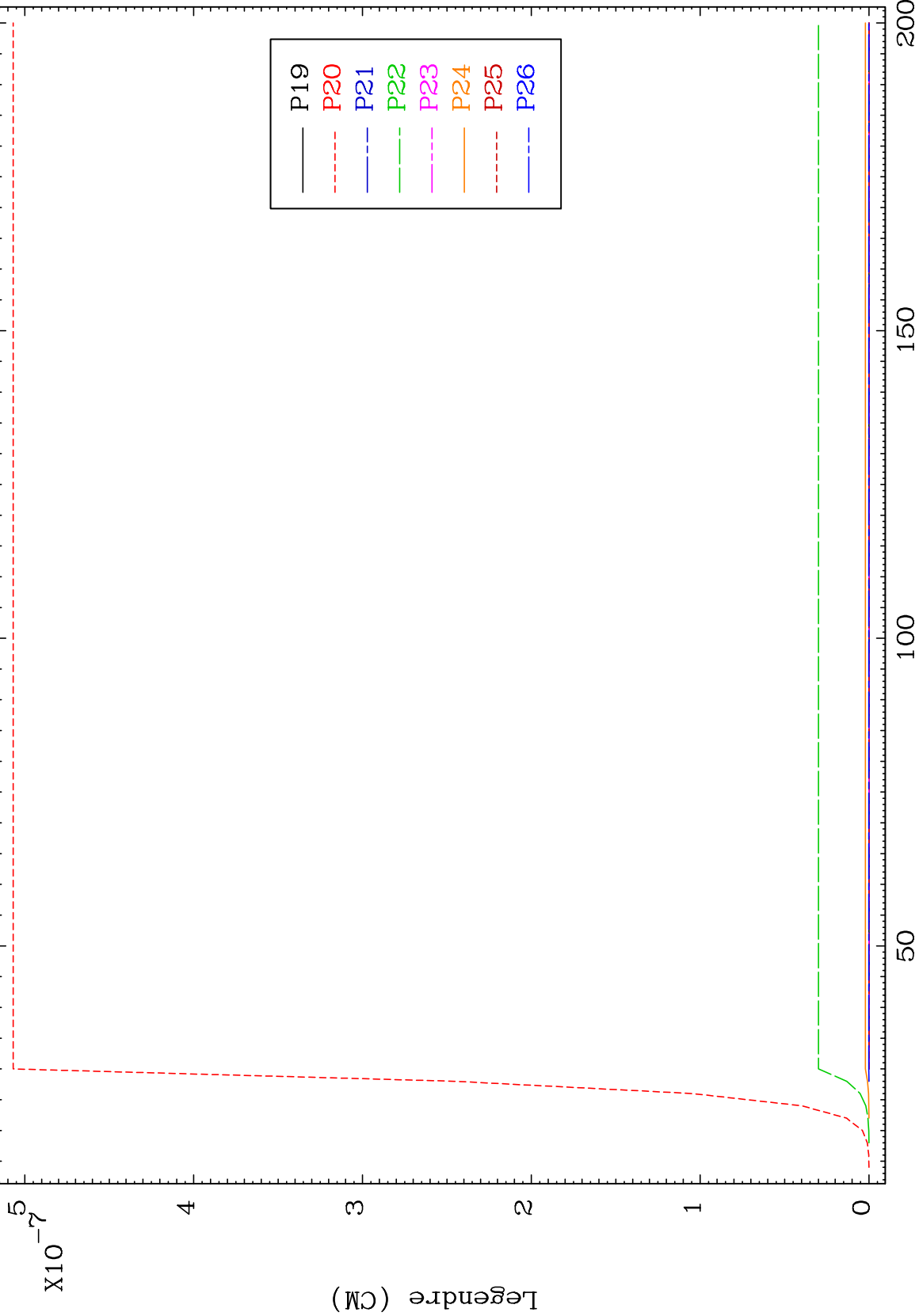
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



32

Incident Energy (MeV)

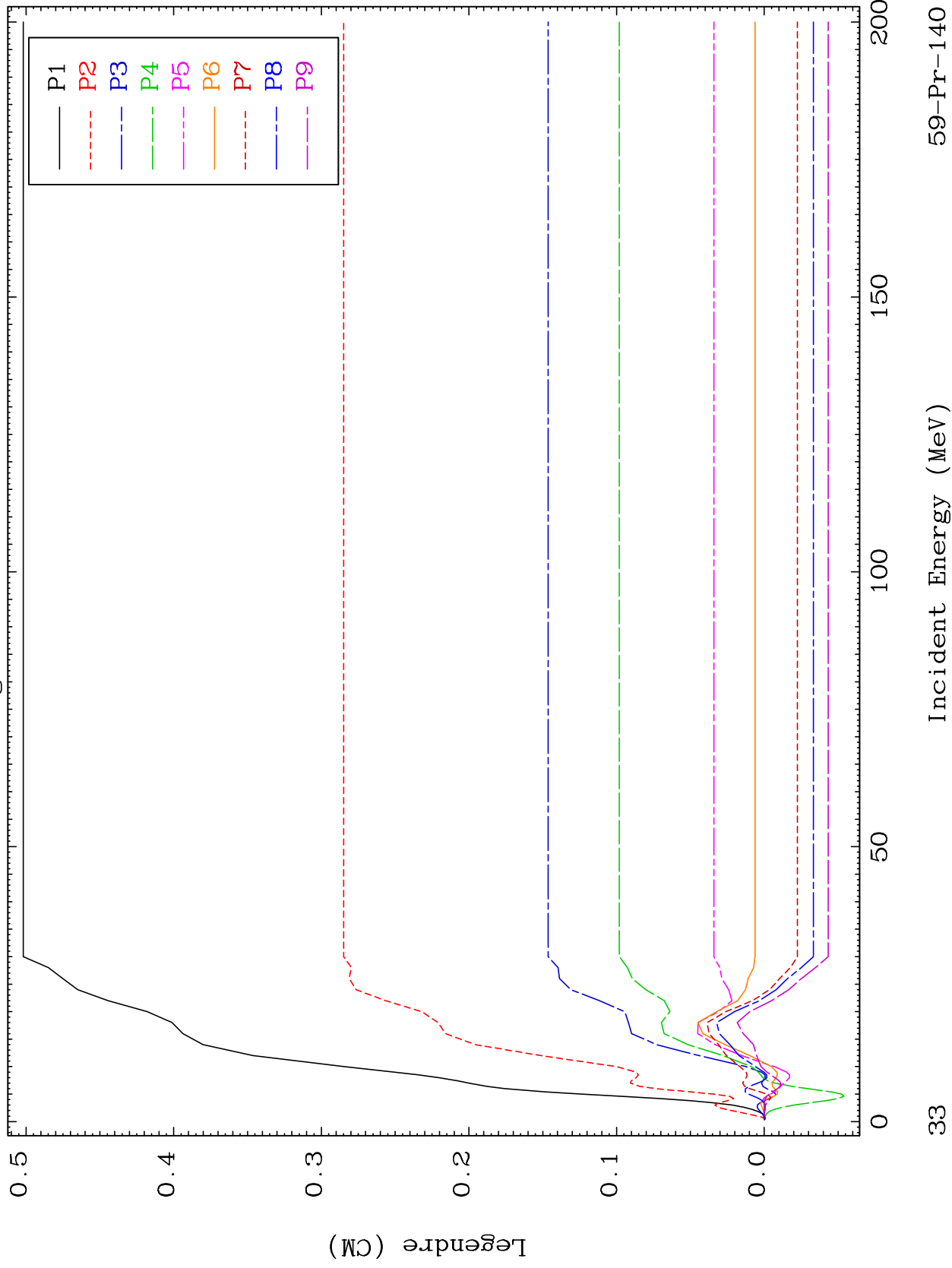
59-Pr-140

MAT 5922

MT= 55 (n,n') Level

59-Pr-140

Legendre Coefficients



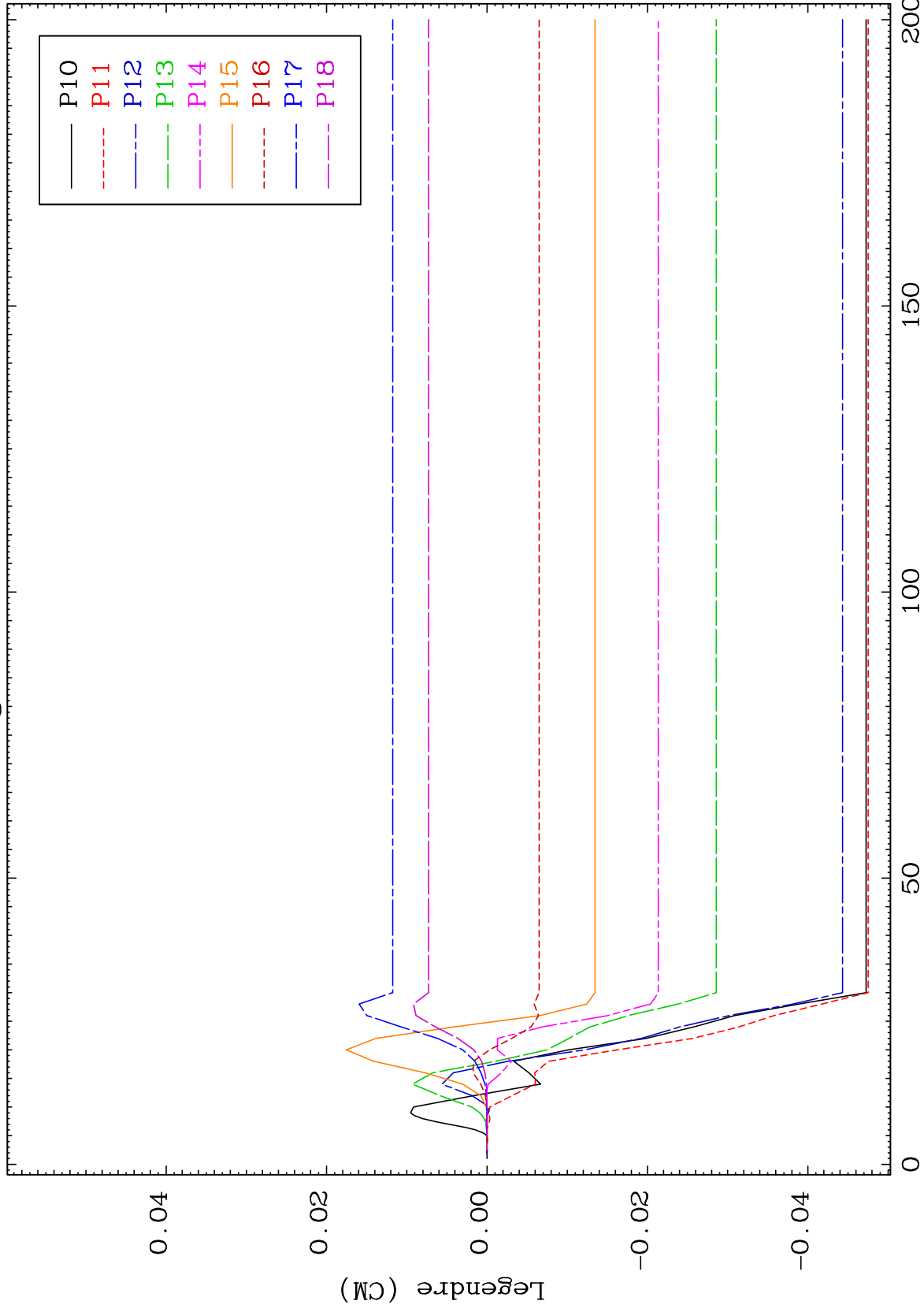
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59-Pr-140

MAT 5922

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

59-Pr-140



34

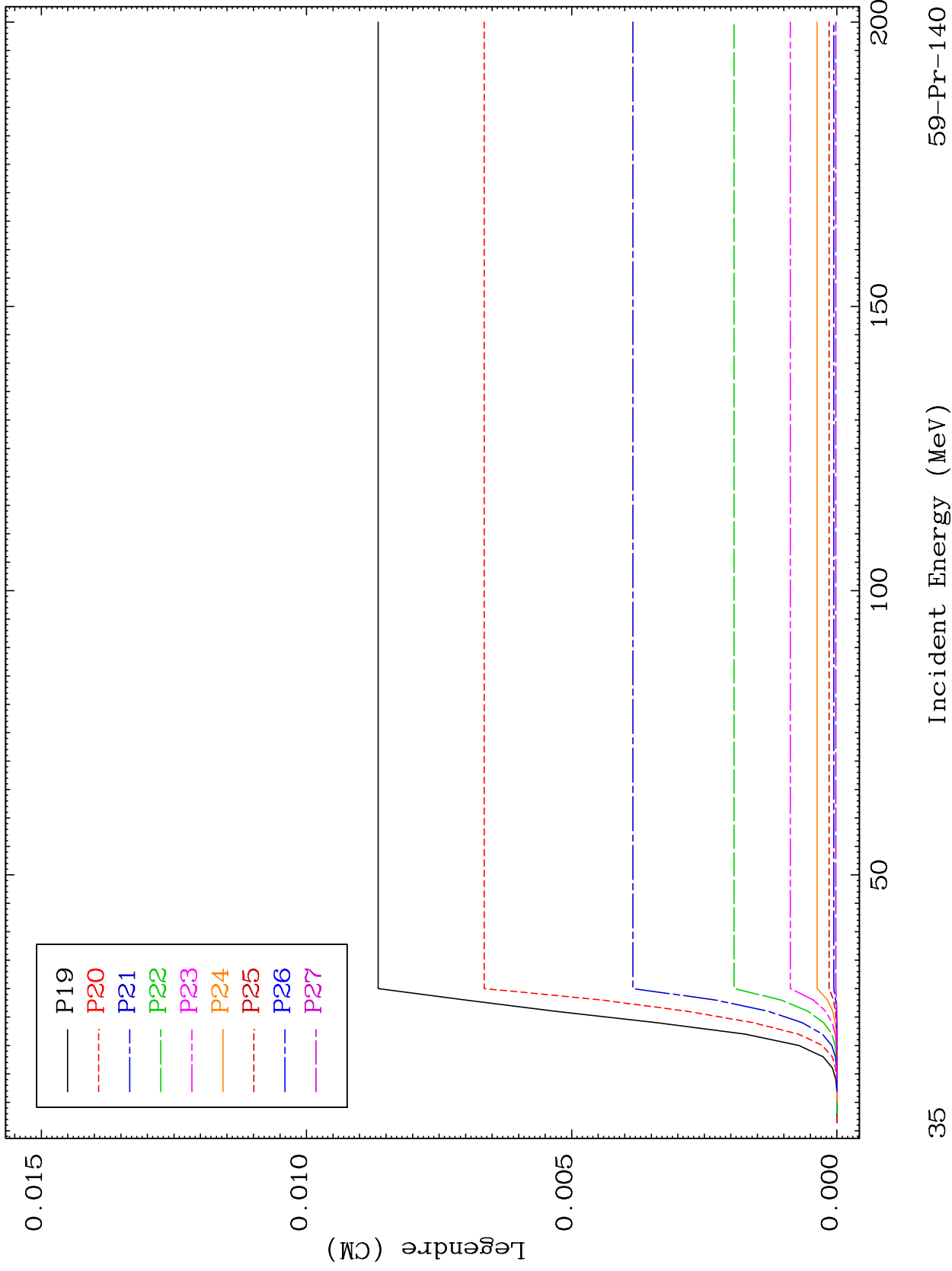
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



35

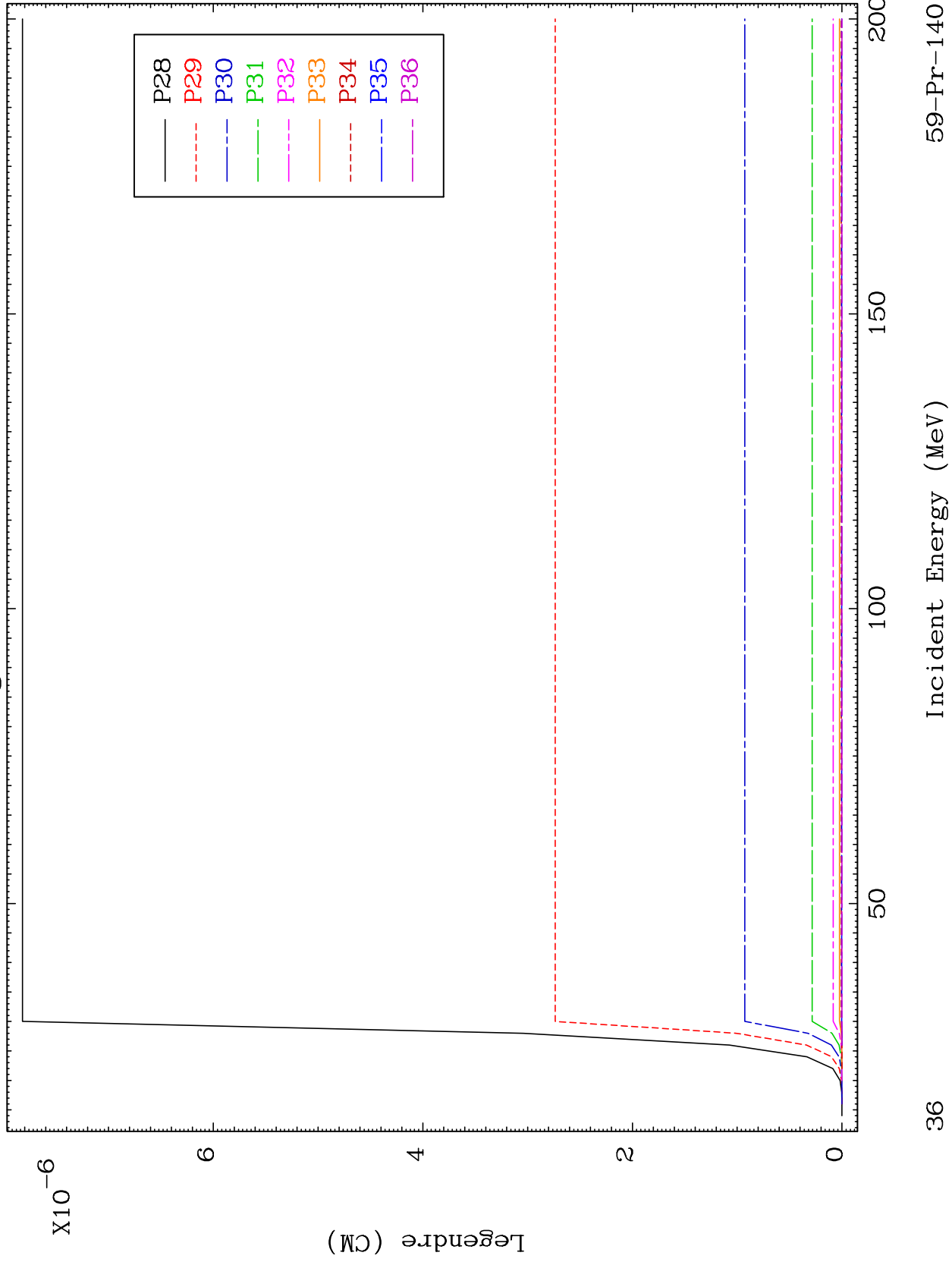
Incident Energy (MeV)

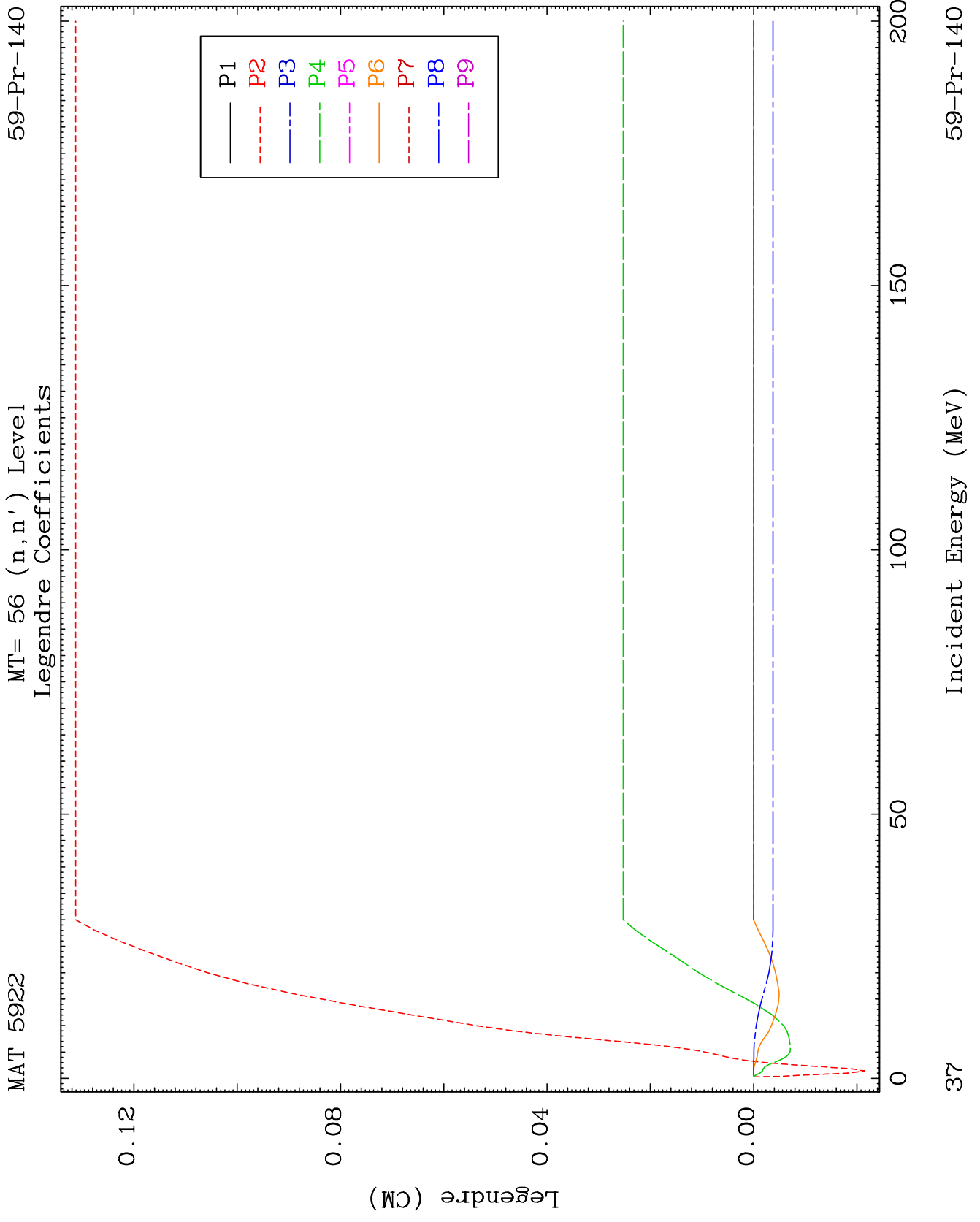
59-Pr-140

MAT 5922

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

59-Pr-140

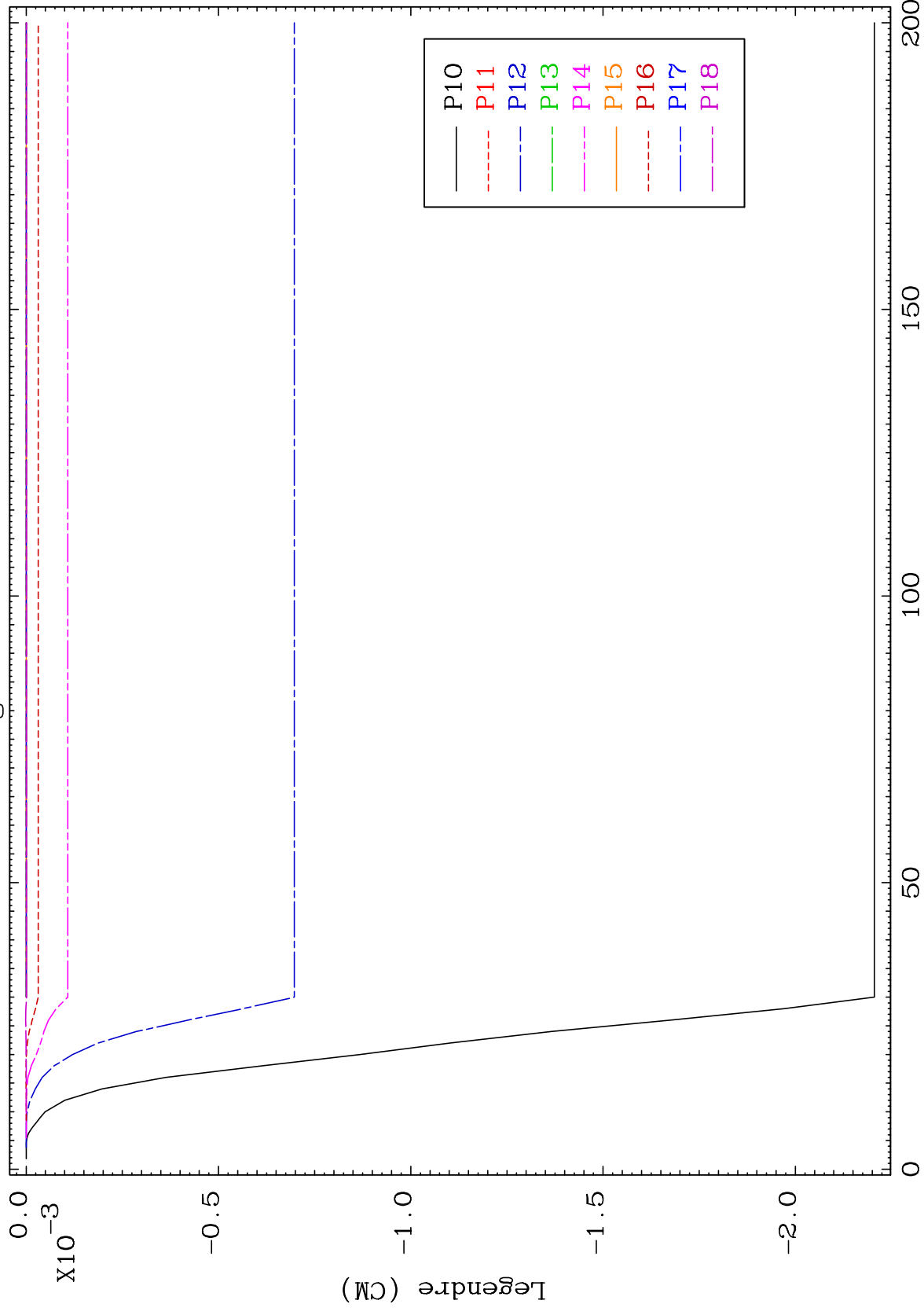




MAT 5922

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

59-Pr-140



38

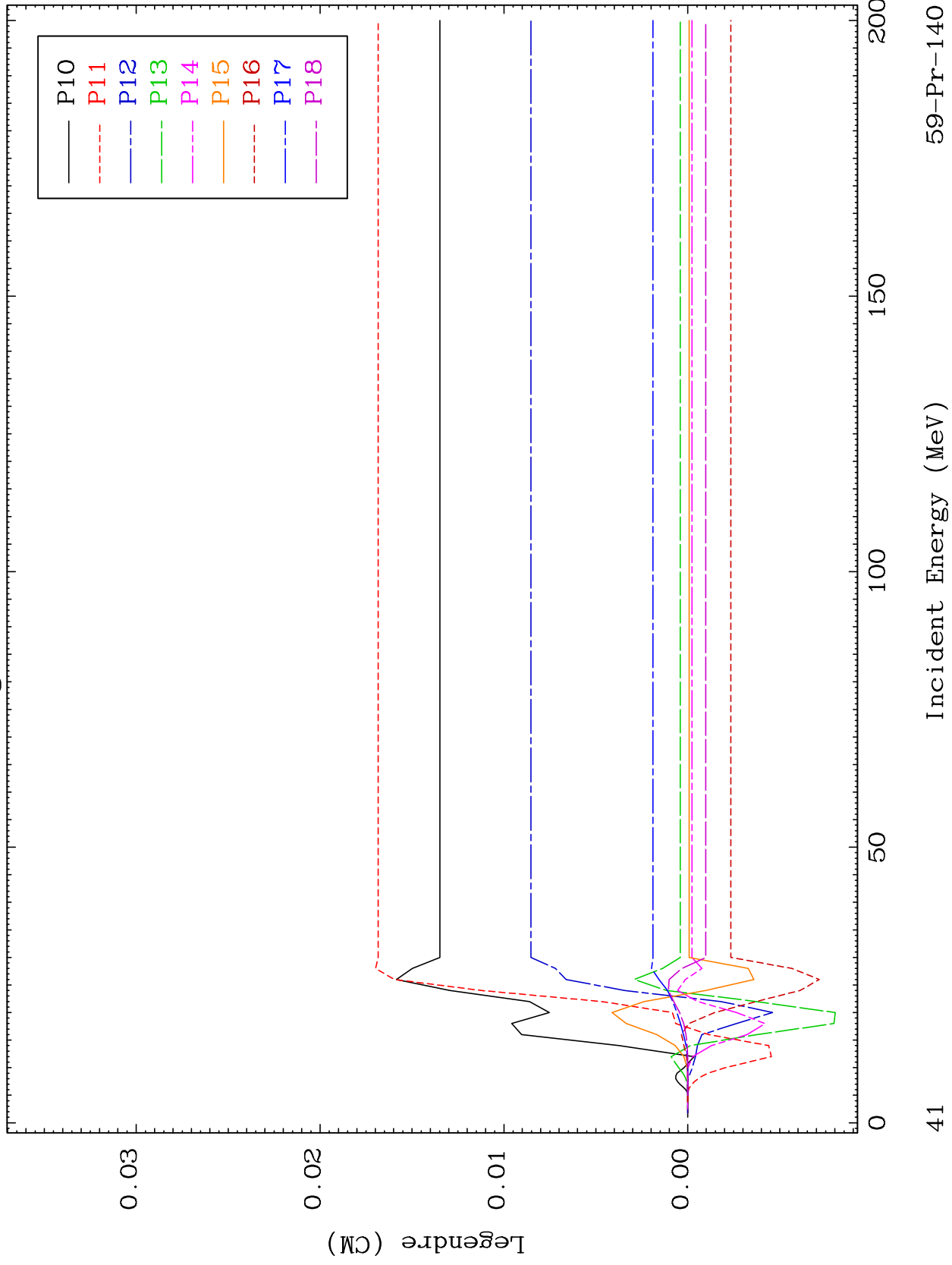
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

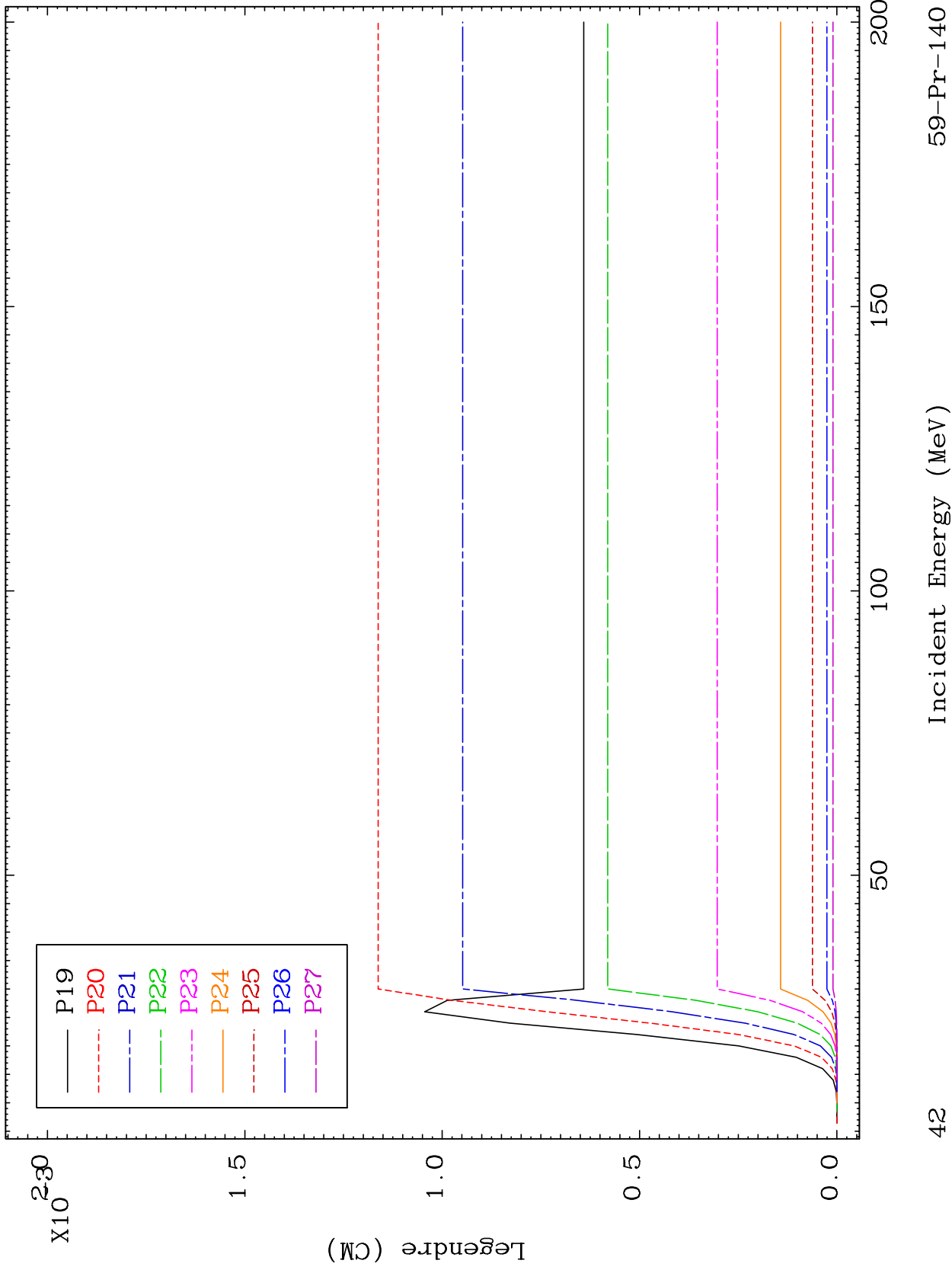
59-Pr-140



41

Incident Energy (MeV)

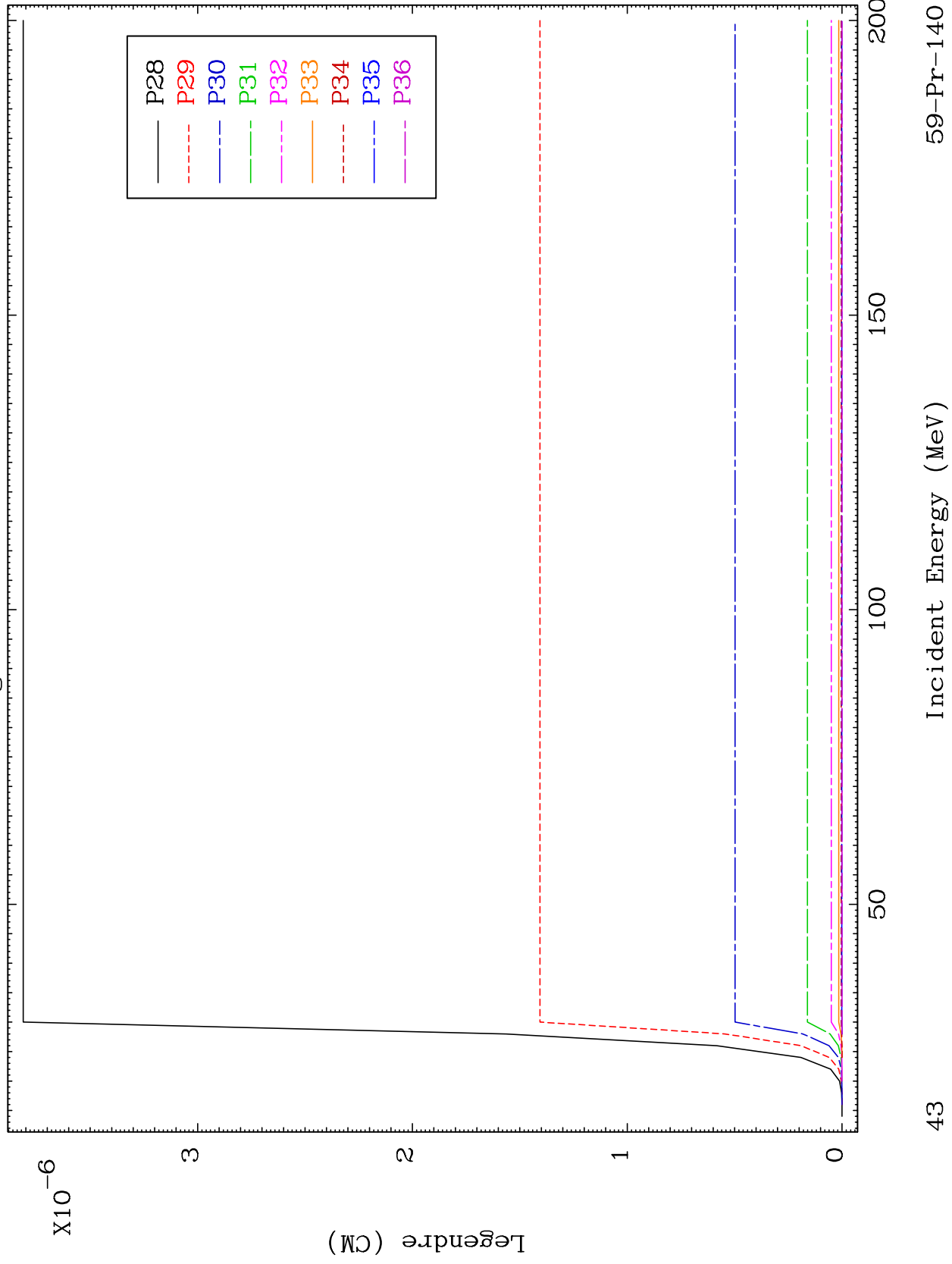
59-Pr-140



MAT 5922

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

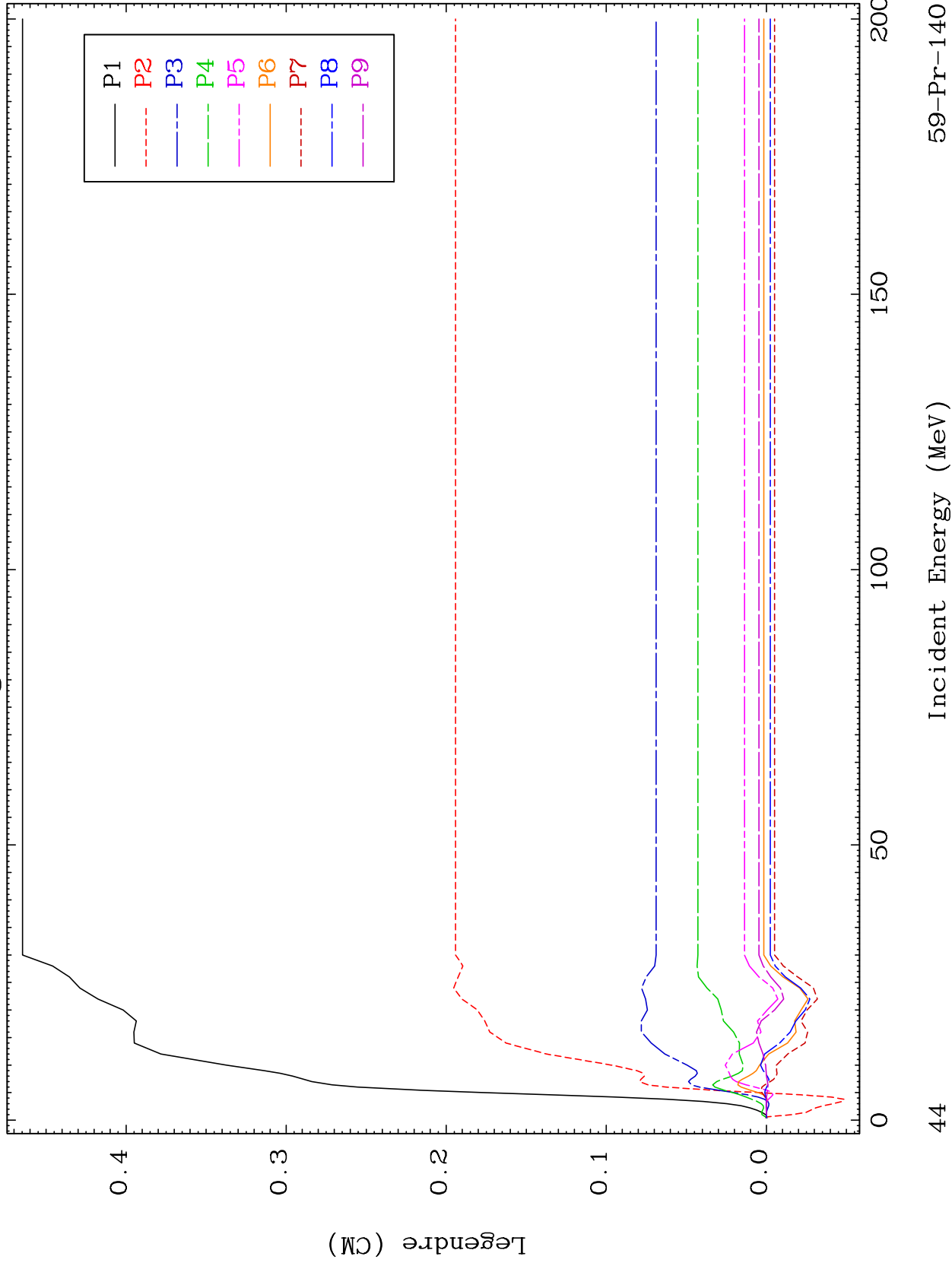
59-Pr-140



MAT 5922

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

59-Pr-140



59-Pr-140

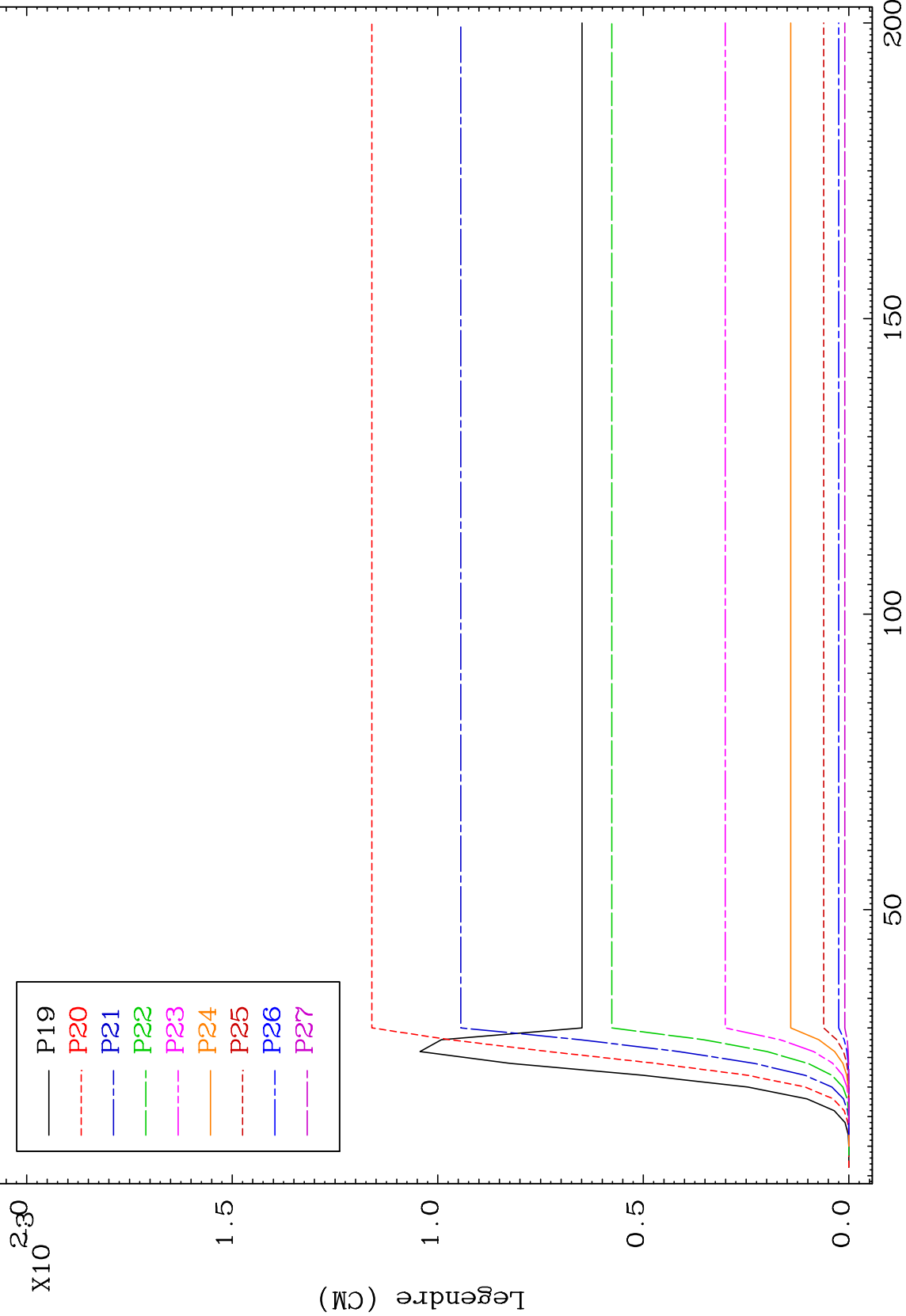
Incident Energy (MeV)

44

MAT 5922

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

59-Pr-140



46

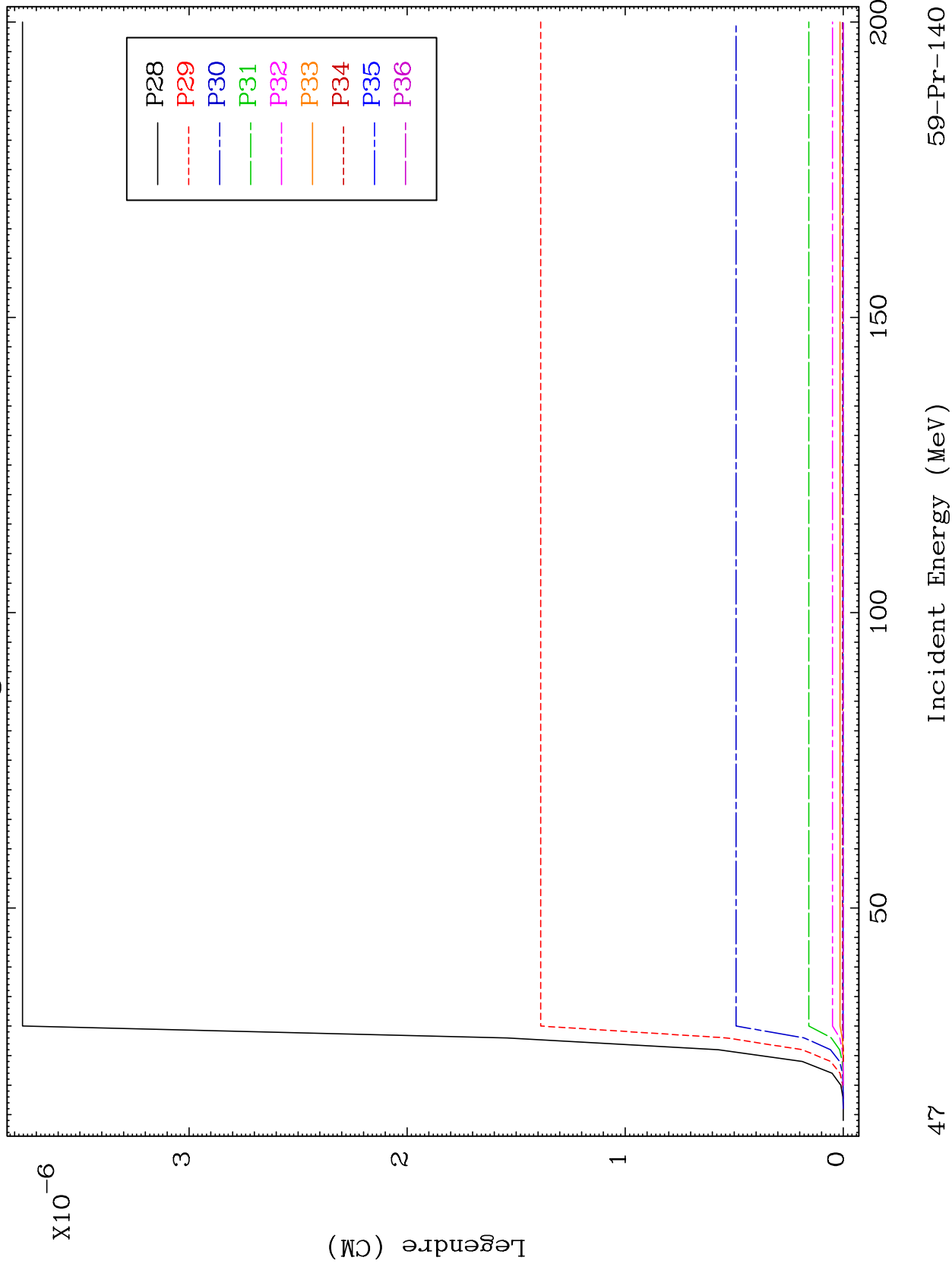
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

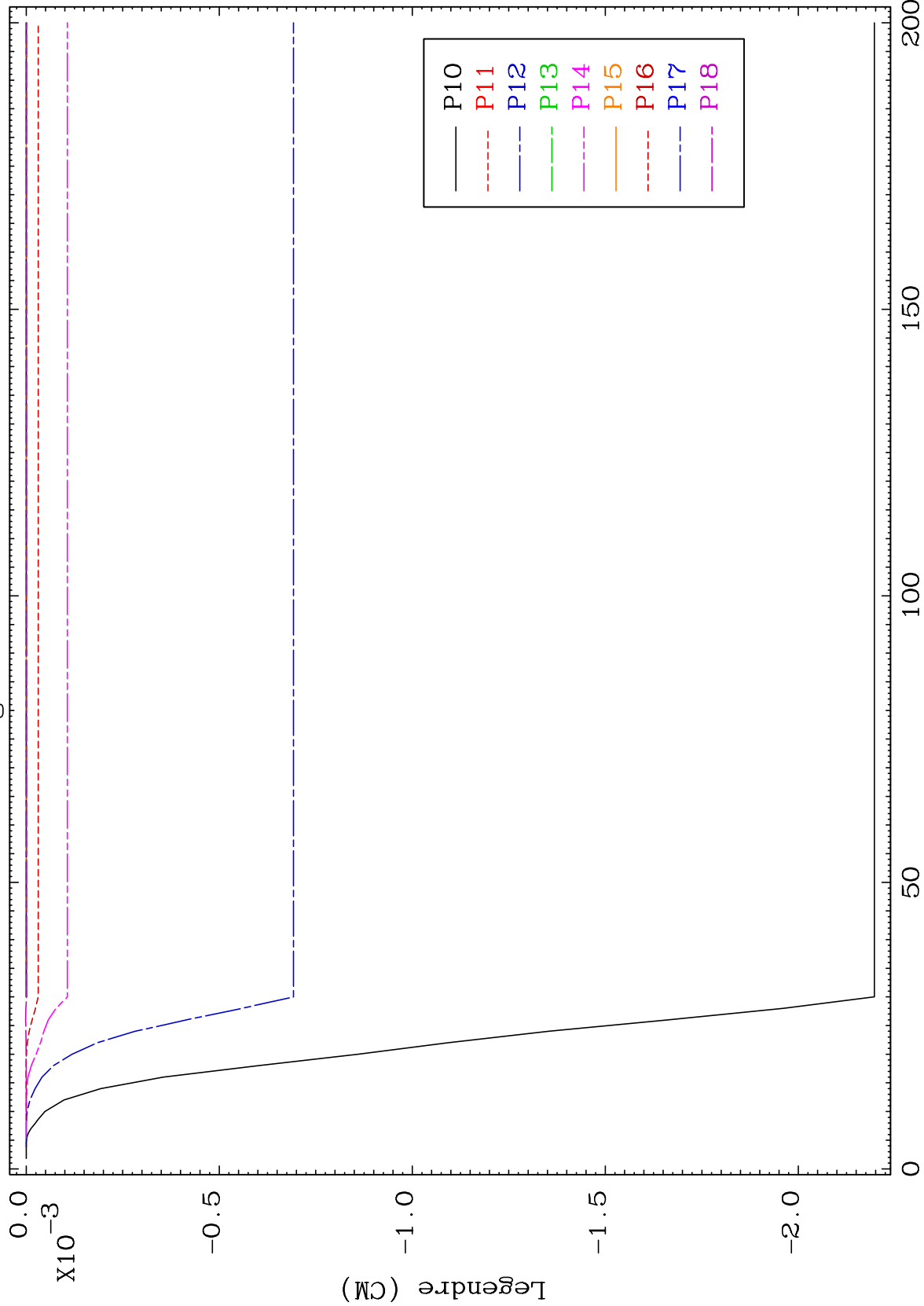
59-Pr-140



MAT 5922

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

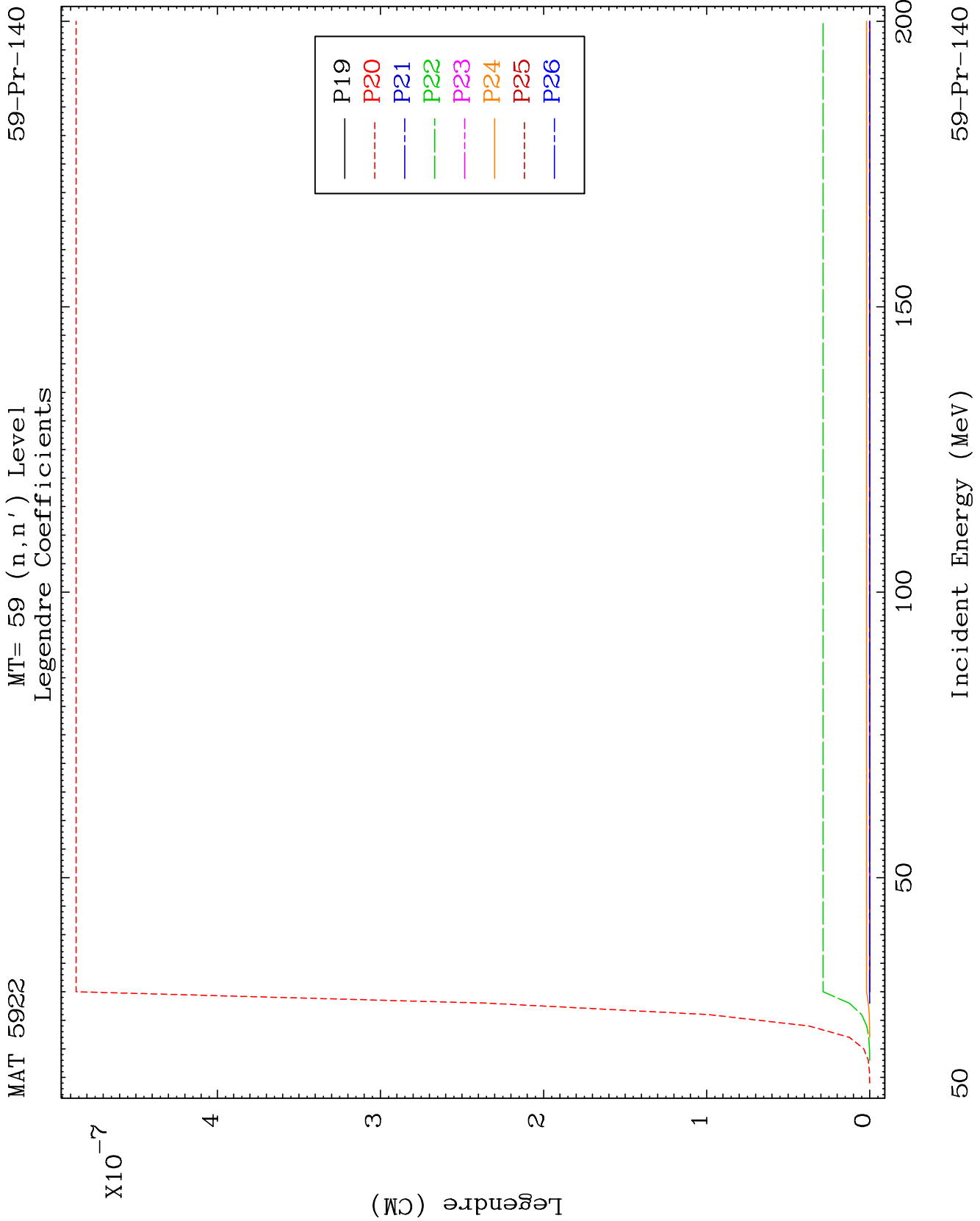
59-Pr-140



49

Incident Energy (MeV)

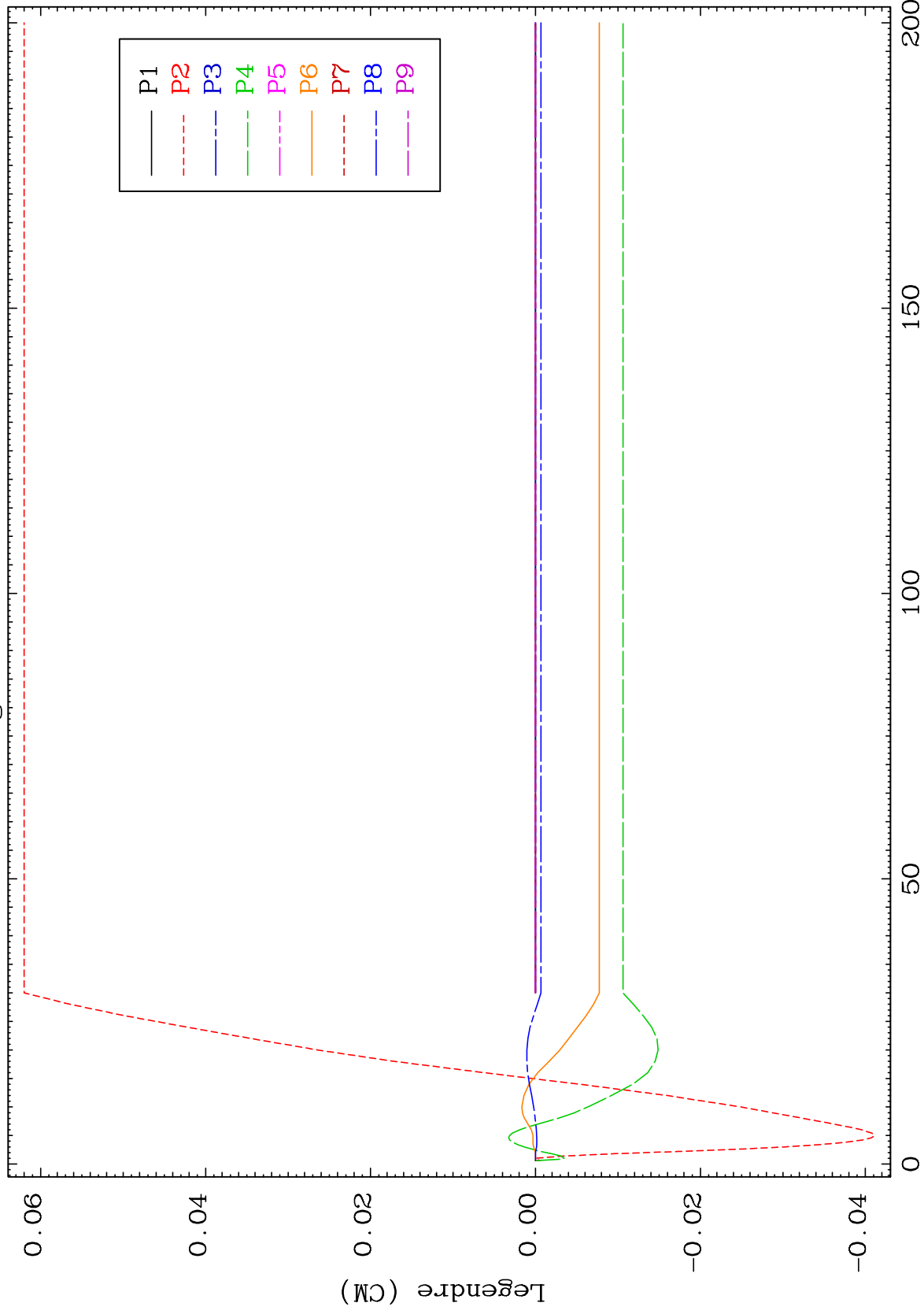
59-Pr-140



MAT 5922

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

59-Pr-140



51

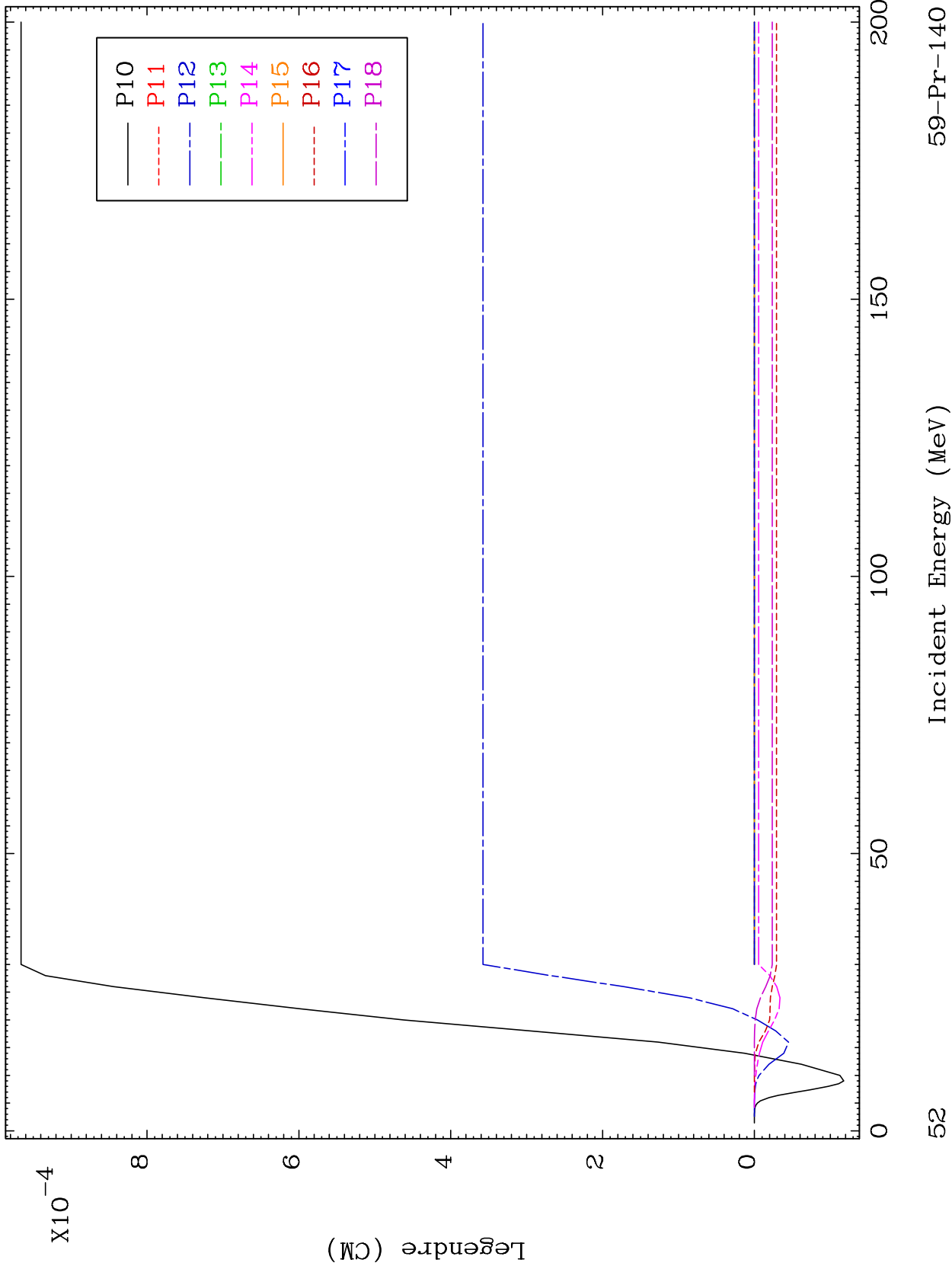
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

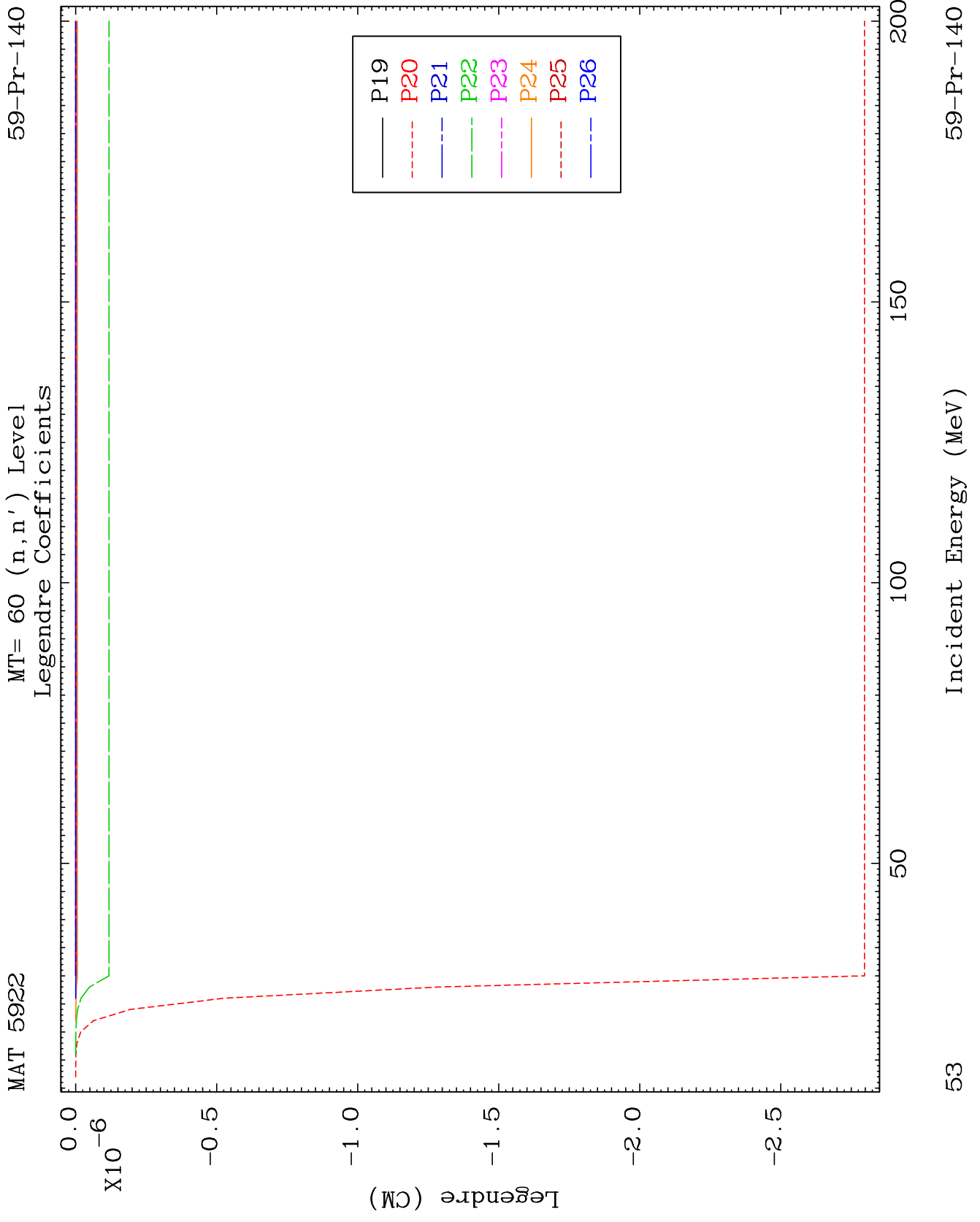
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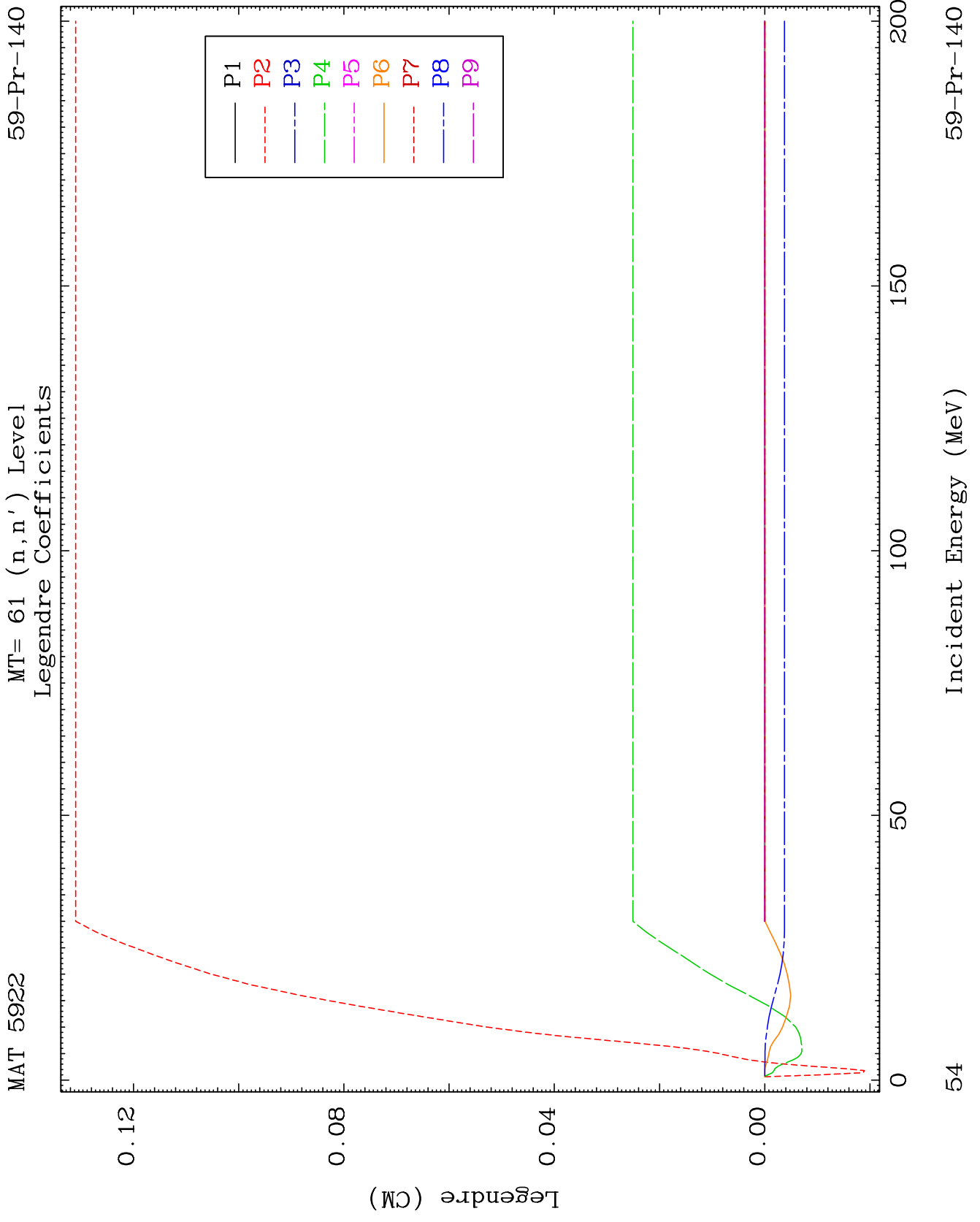


52

Incident Energy (MeV)

59-Pr-140

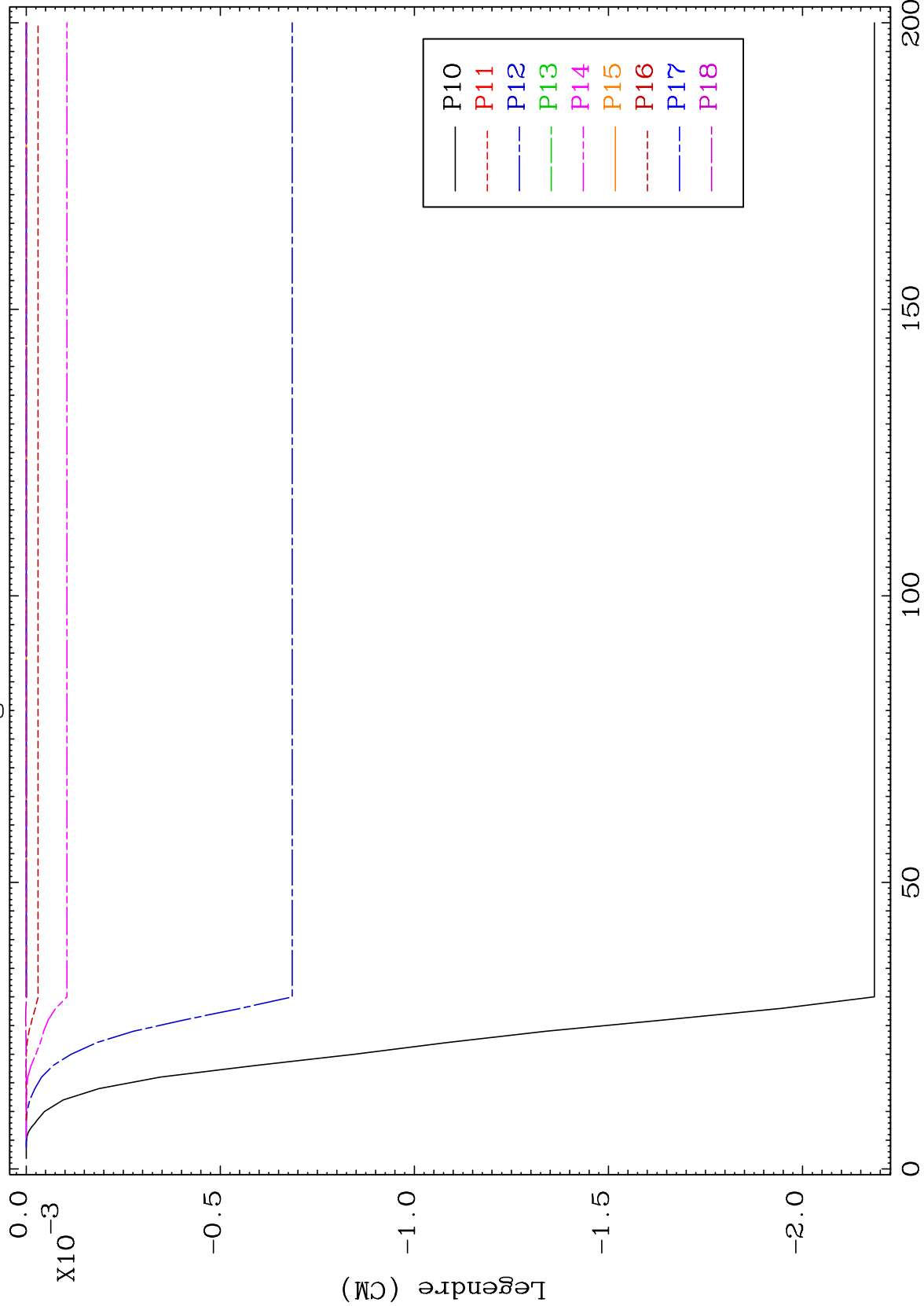




MAT 5922

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

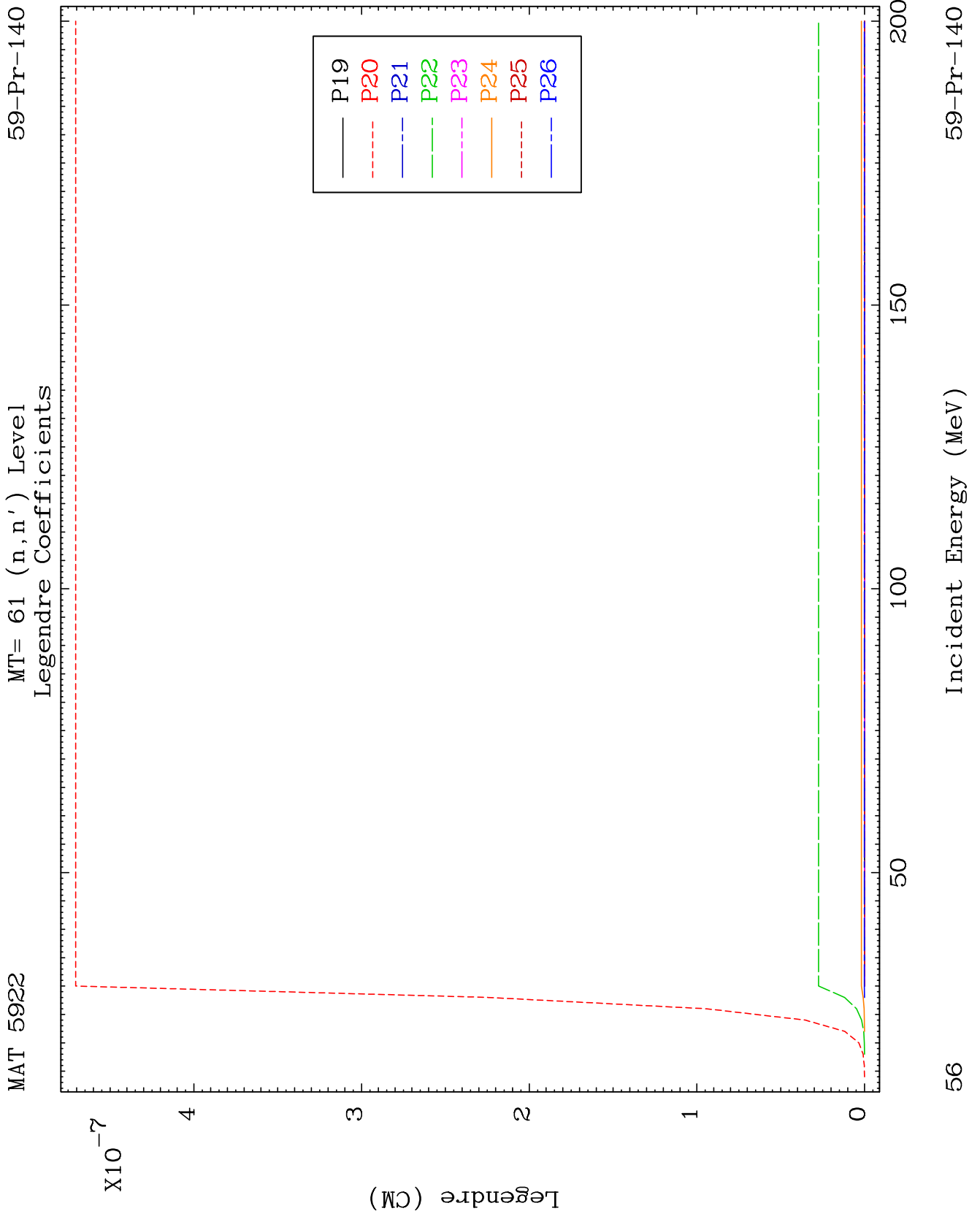
59-Pr-140

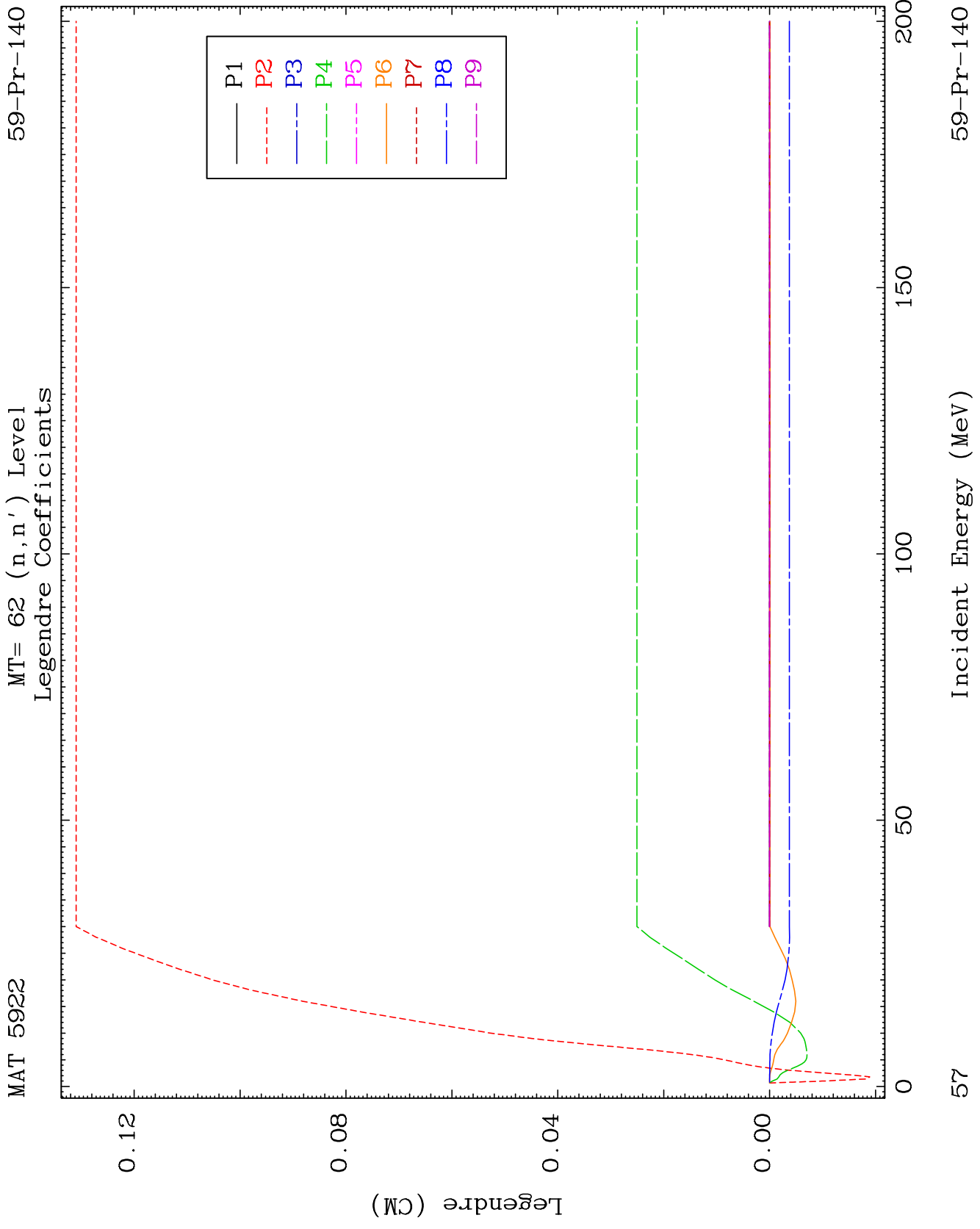


55

Incident Energy (MeV)

59-Pr-140

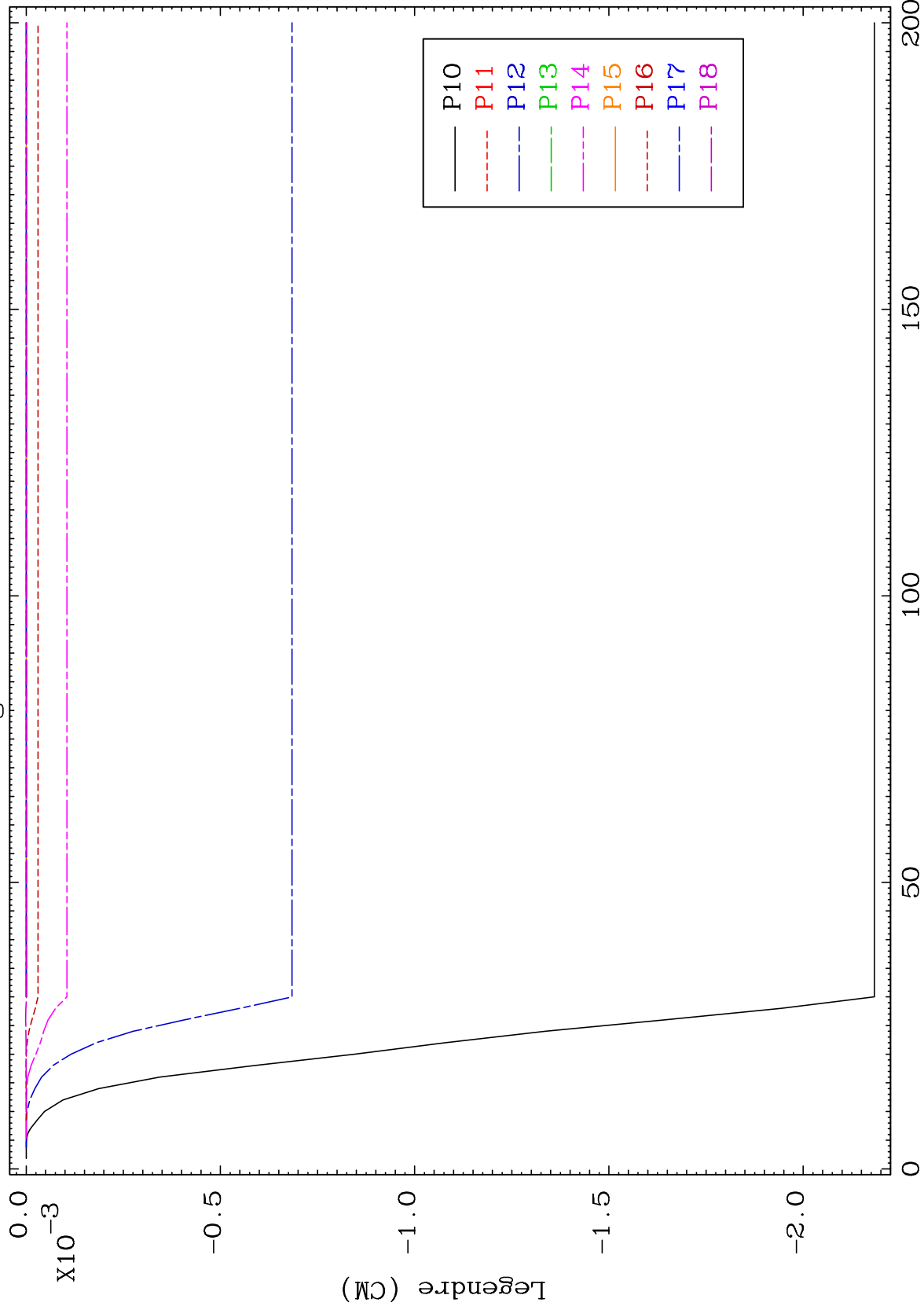




MAT 5922

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

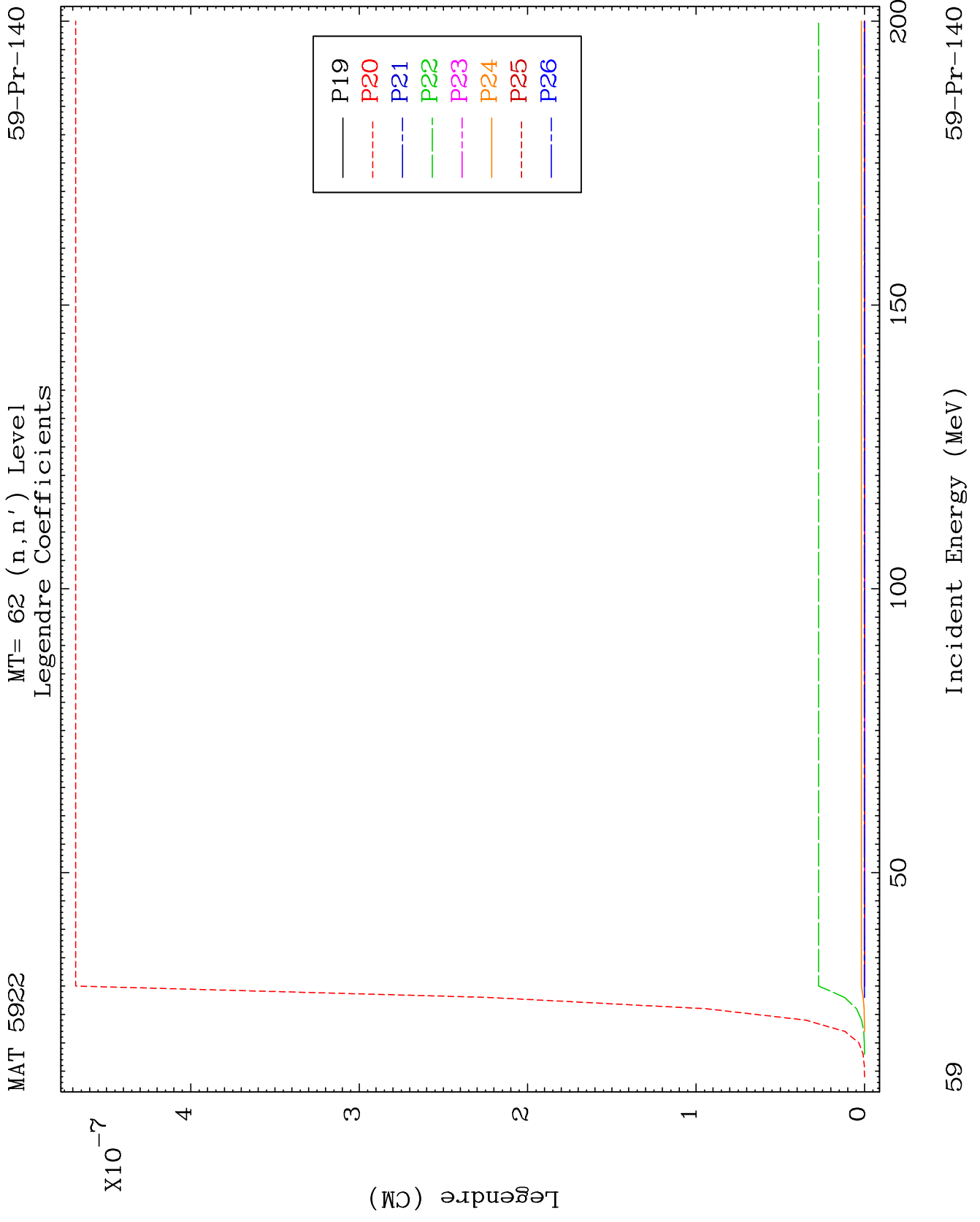
59-Pr-140



58

Incident Energy (MeV)

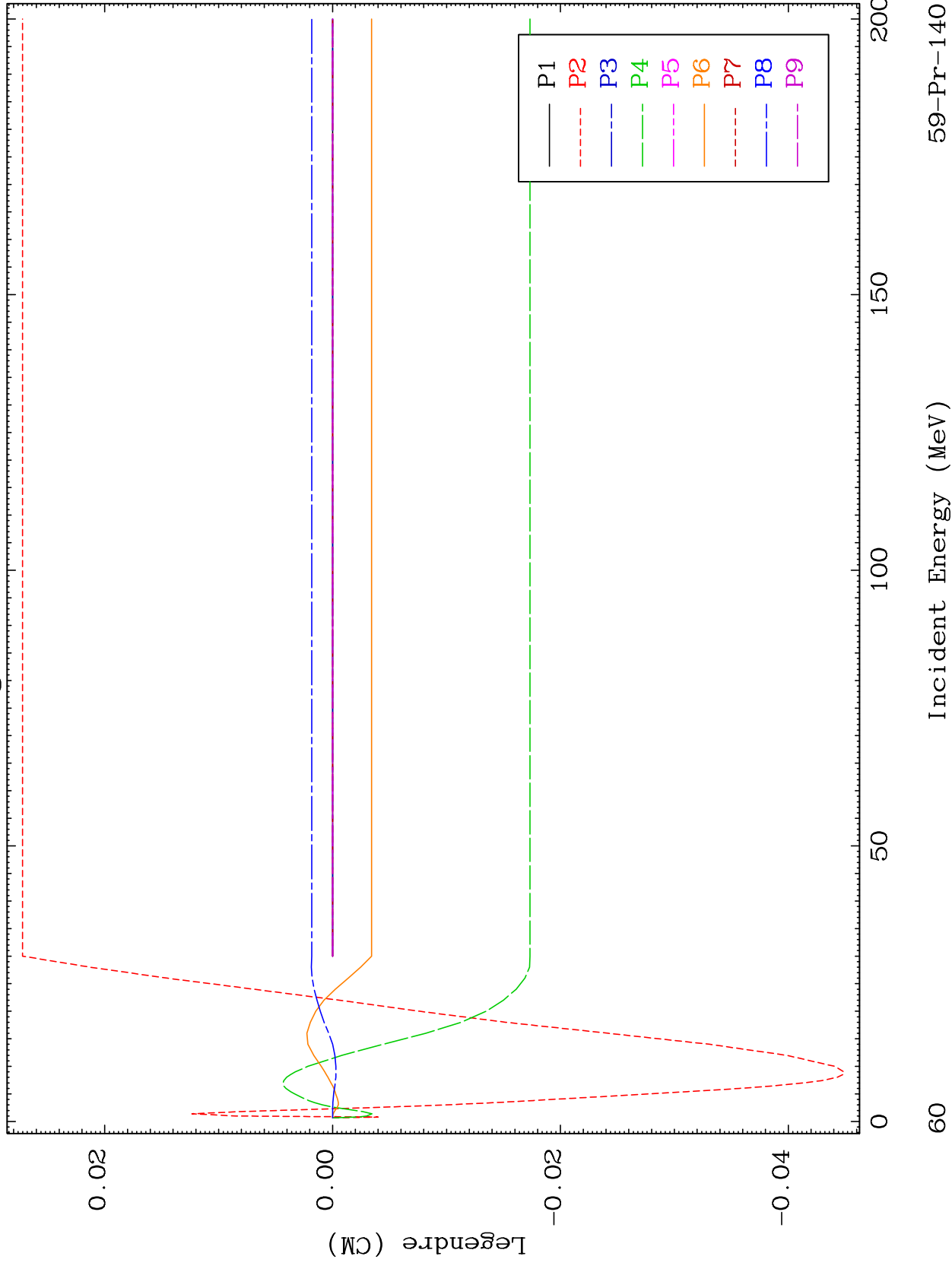
59-Pr-140



MAT 5922

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

59-Pr-140

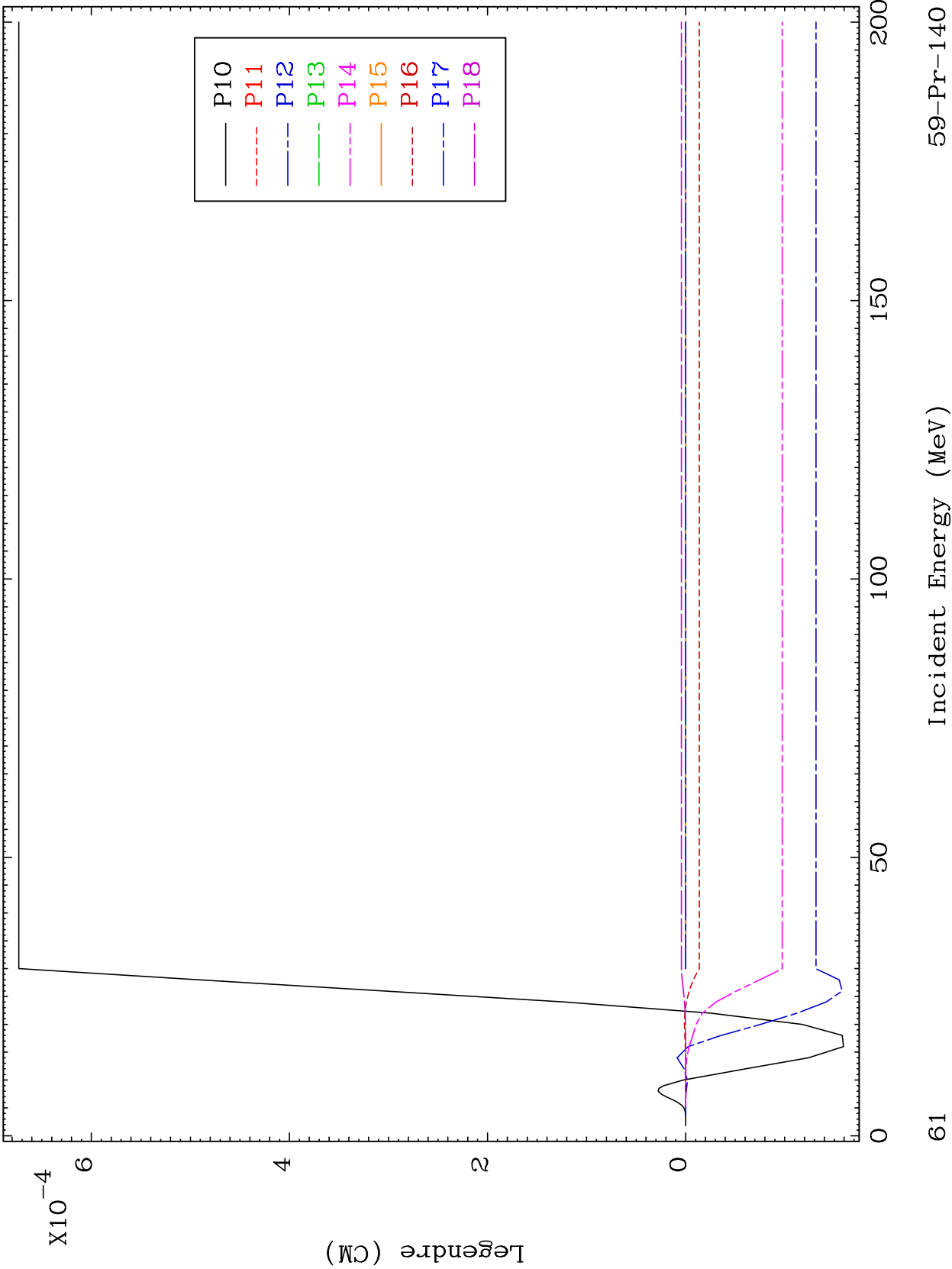


59-Pr-140

MAT 5922

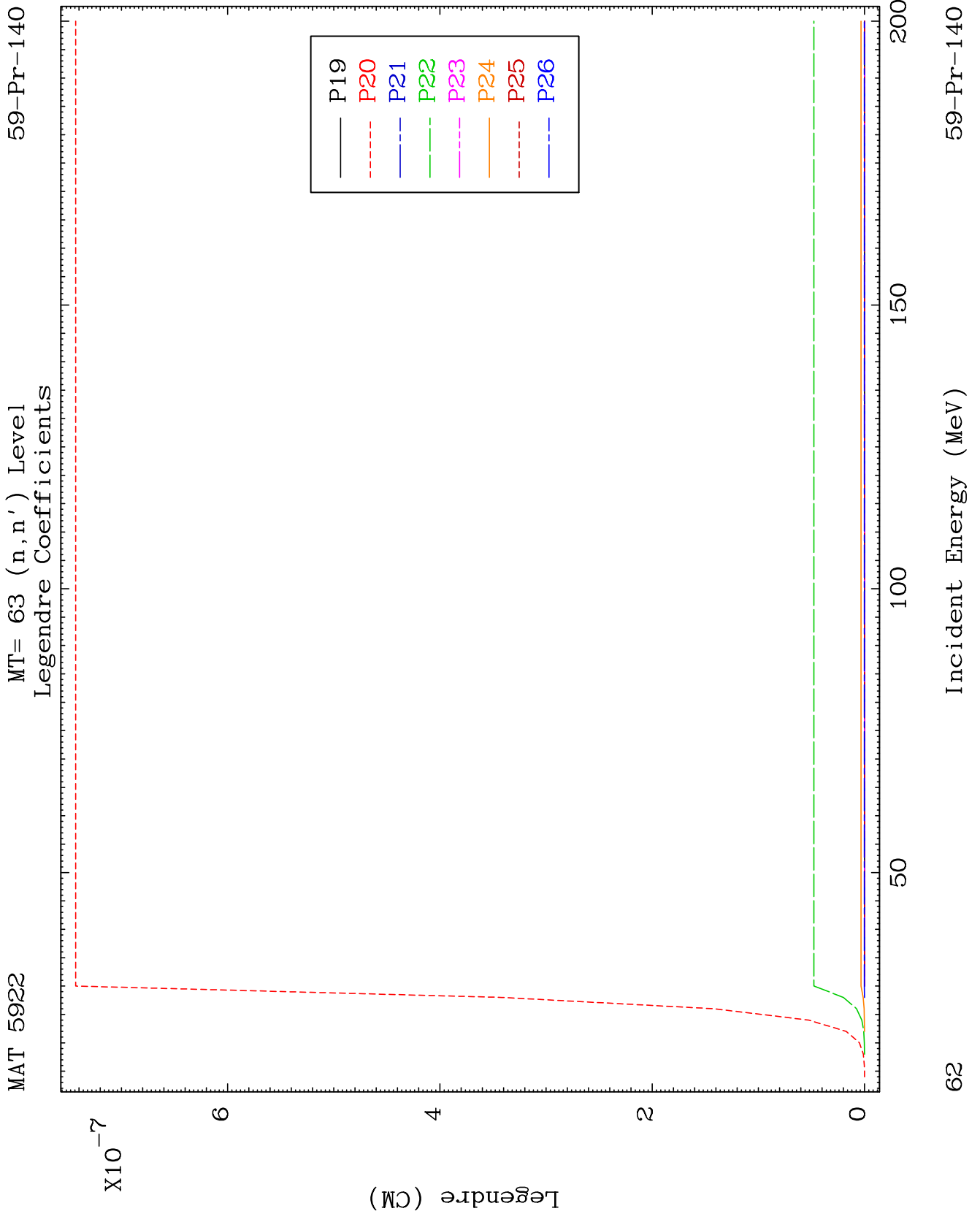
MT= 63 (n,n') Level
Legendre Coefficients

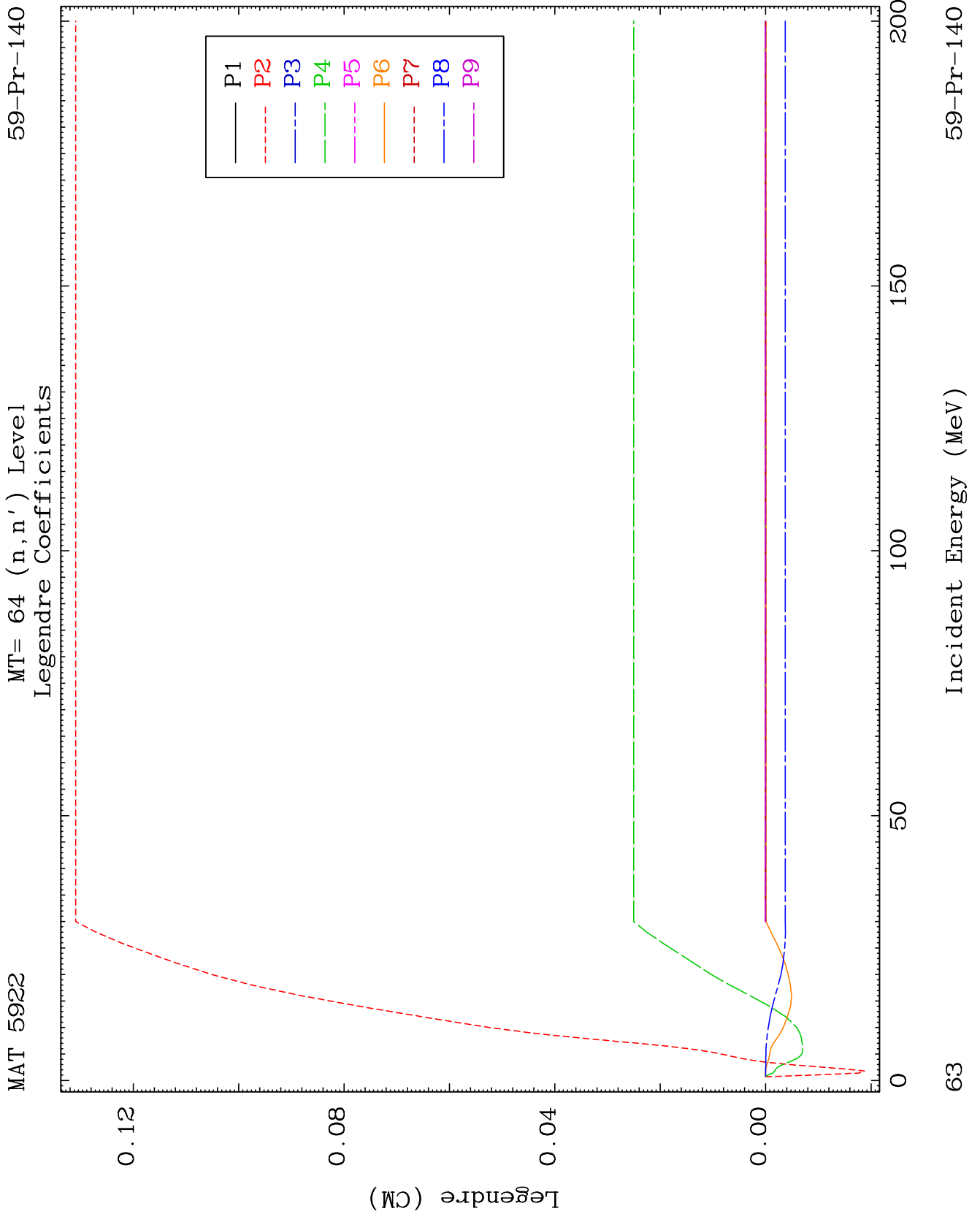
59-Pr-140



61

59-Pr-140

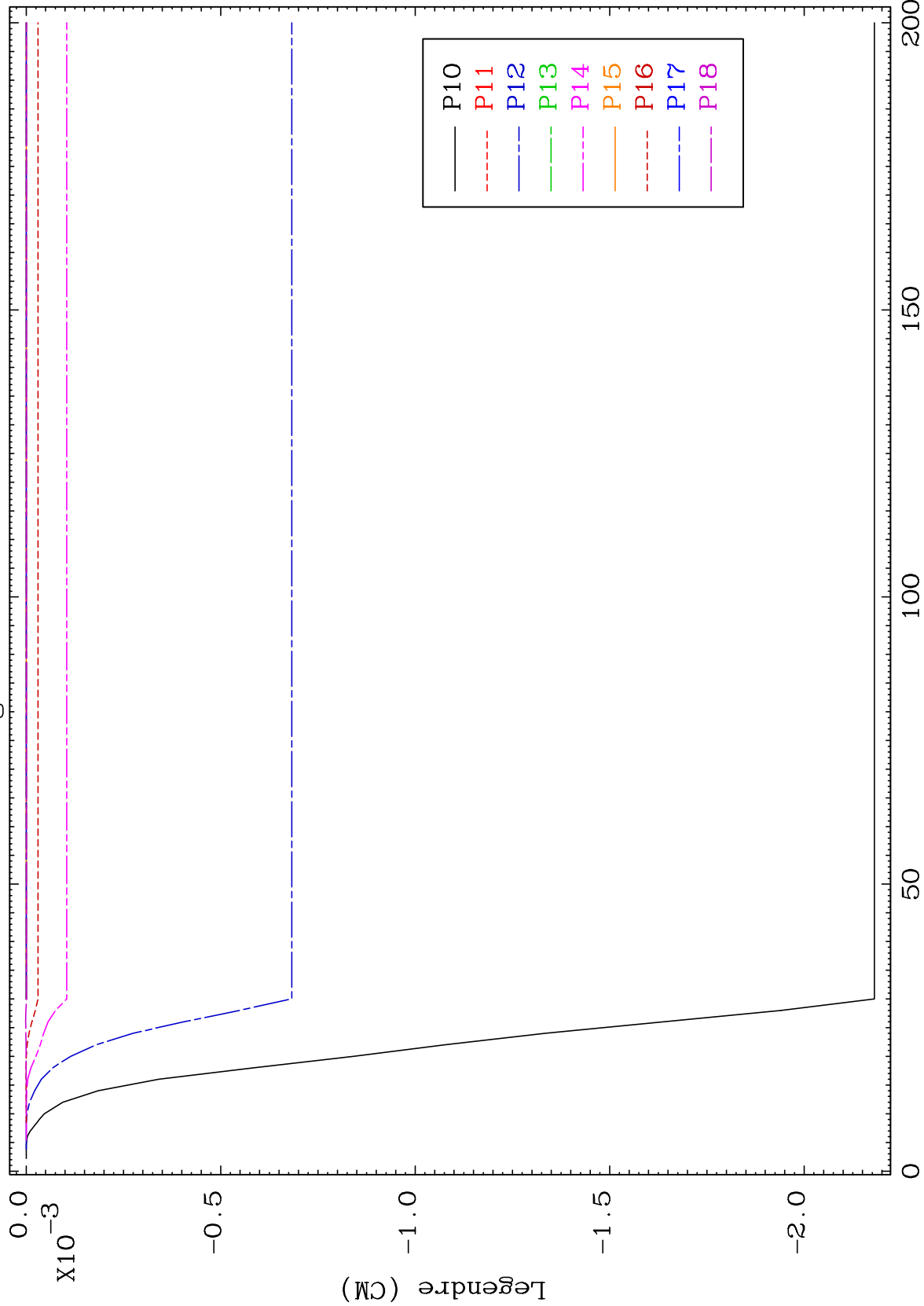




MAT 5922

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

59-Pr-140



64

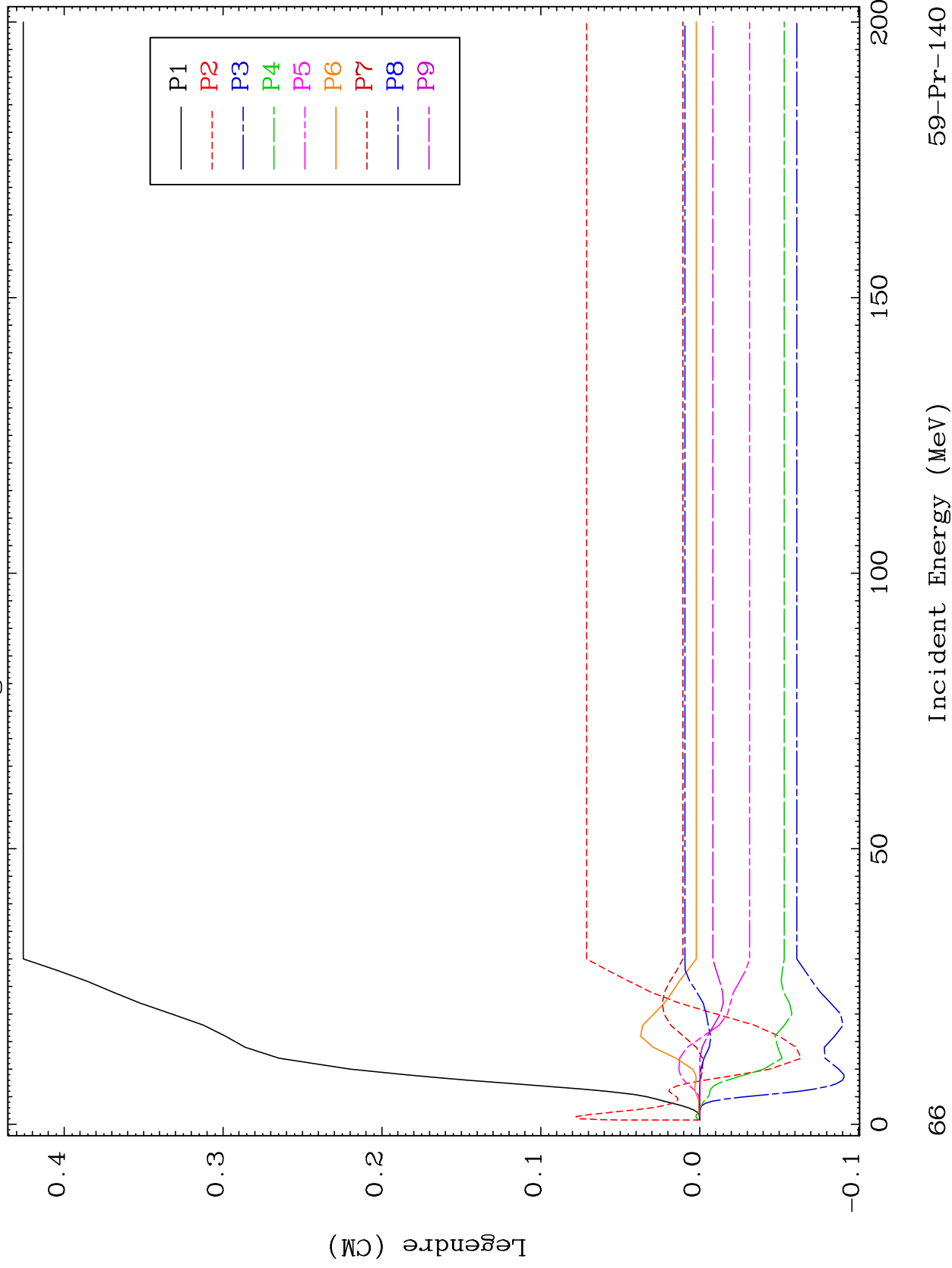
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



59-Pr-140

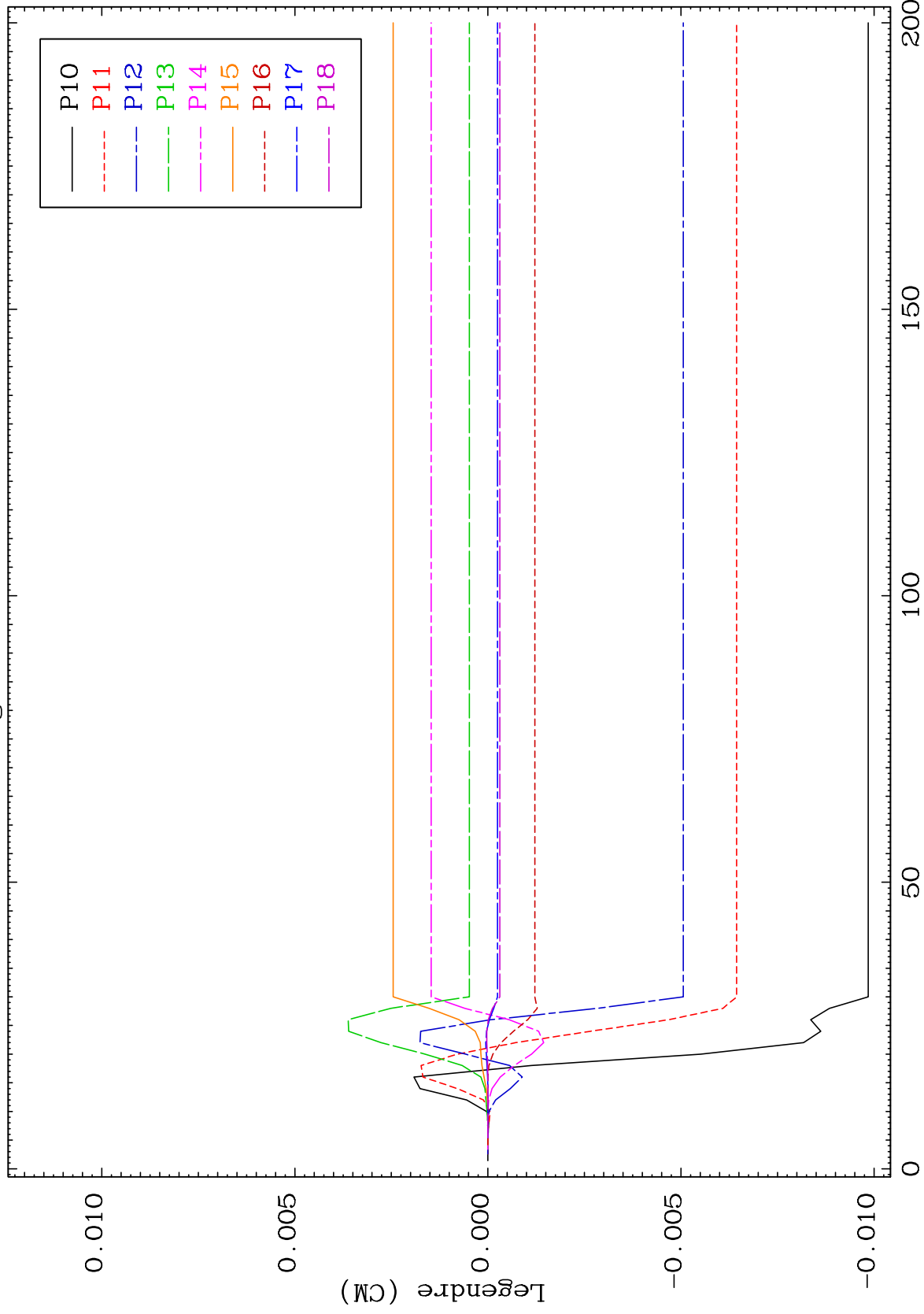
Incident Energy (MeV)

66

MAT 5922

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

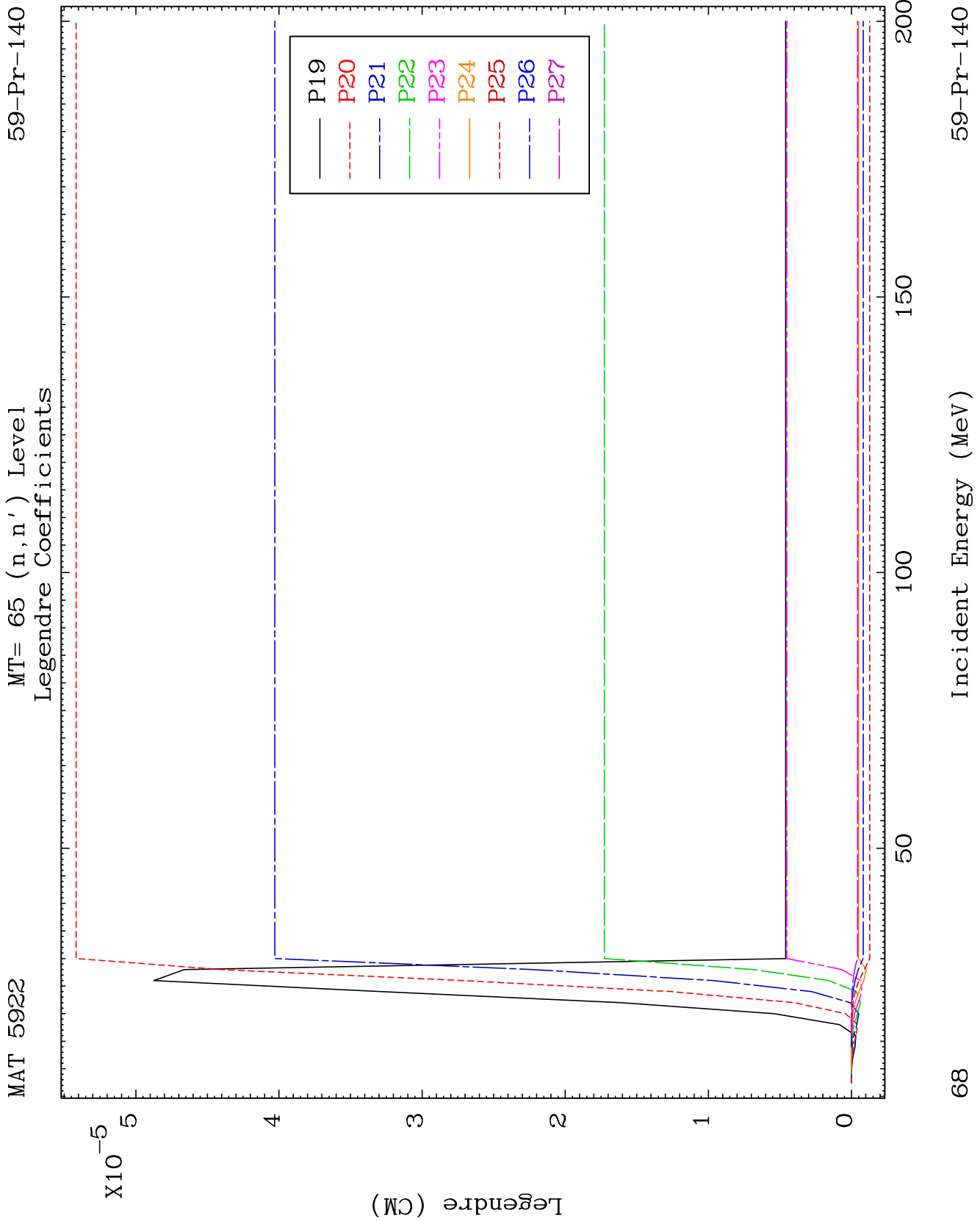
59-Pr-140



67

Incident Energy (MeV)

59-Pr-140

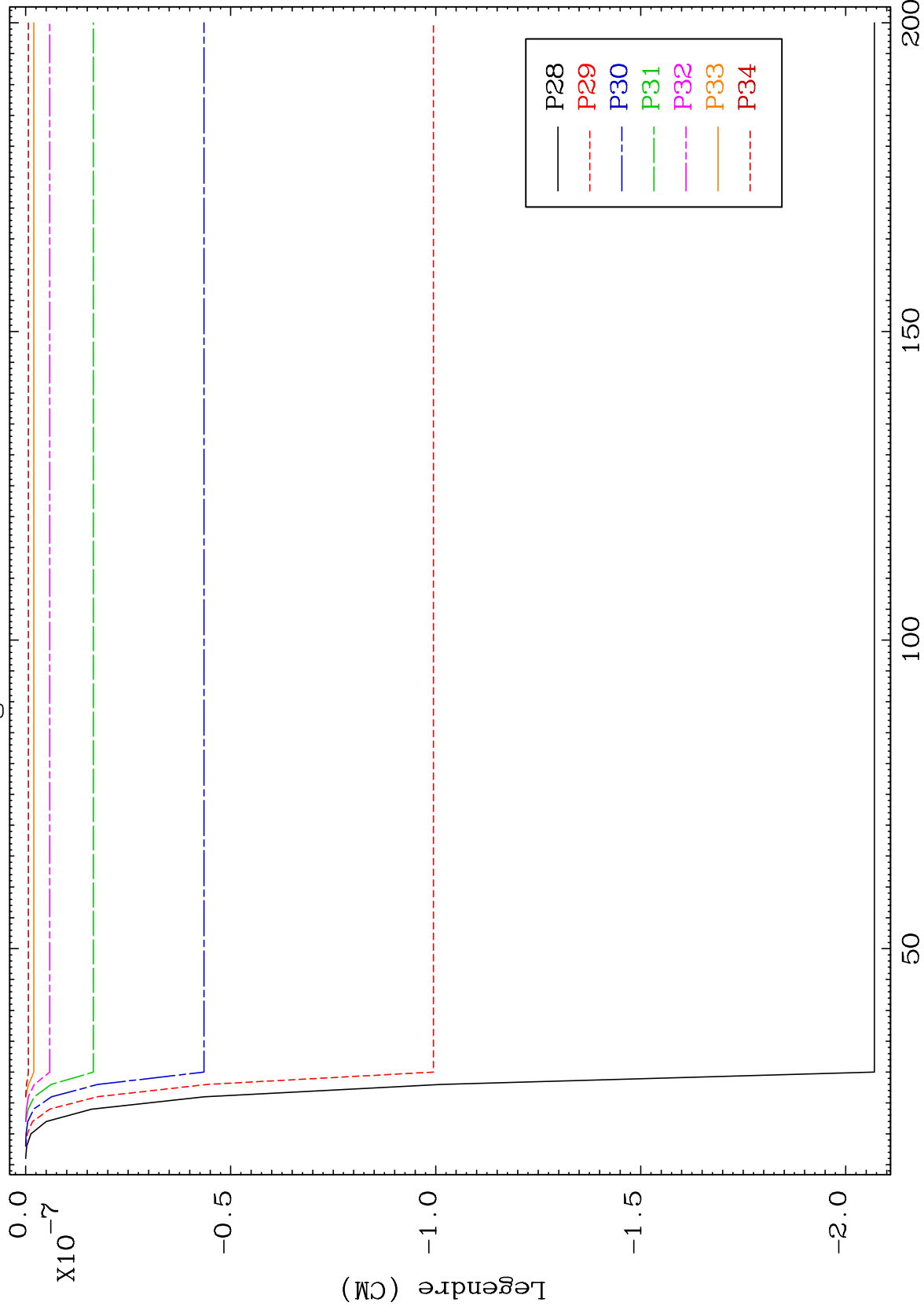


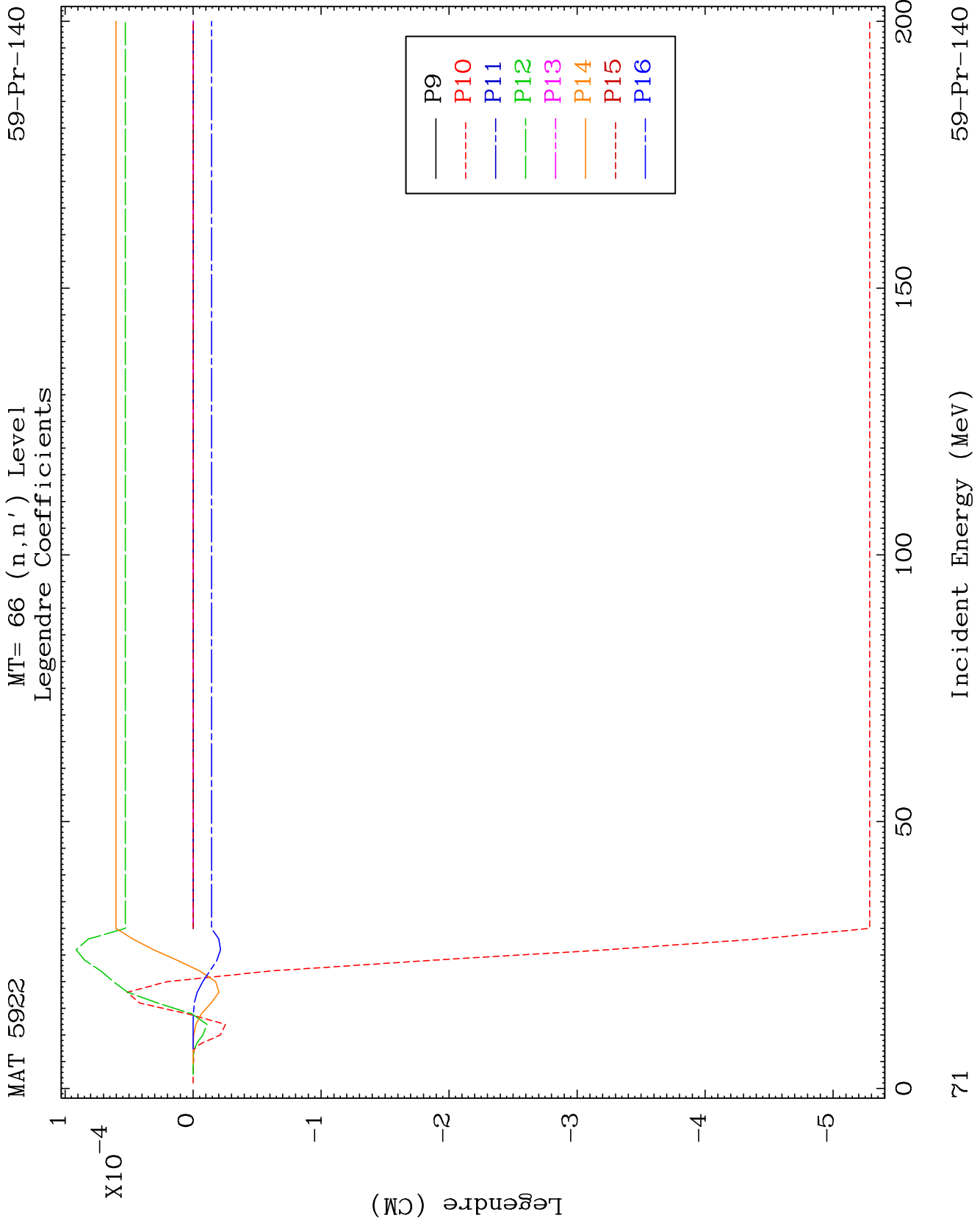
MAT 5922

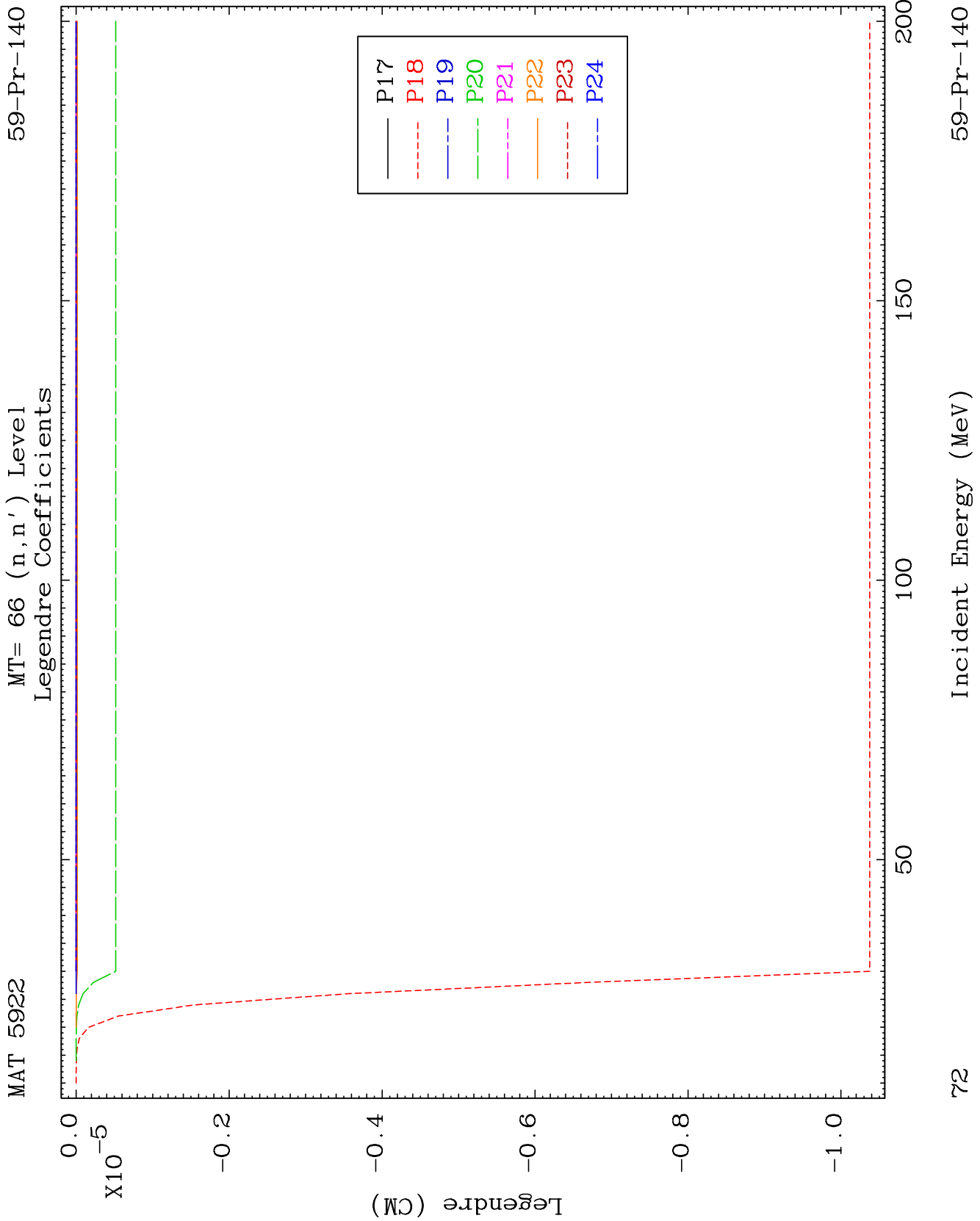
MT= 65 (n,n') Level

59-Pr-140

Legendre Coefficients



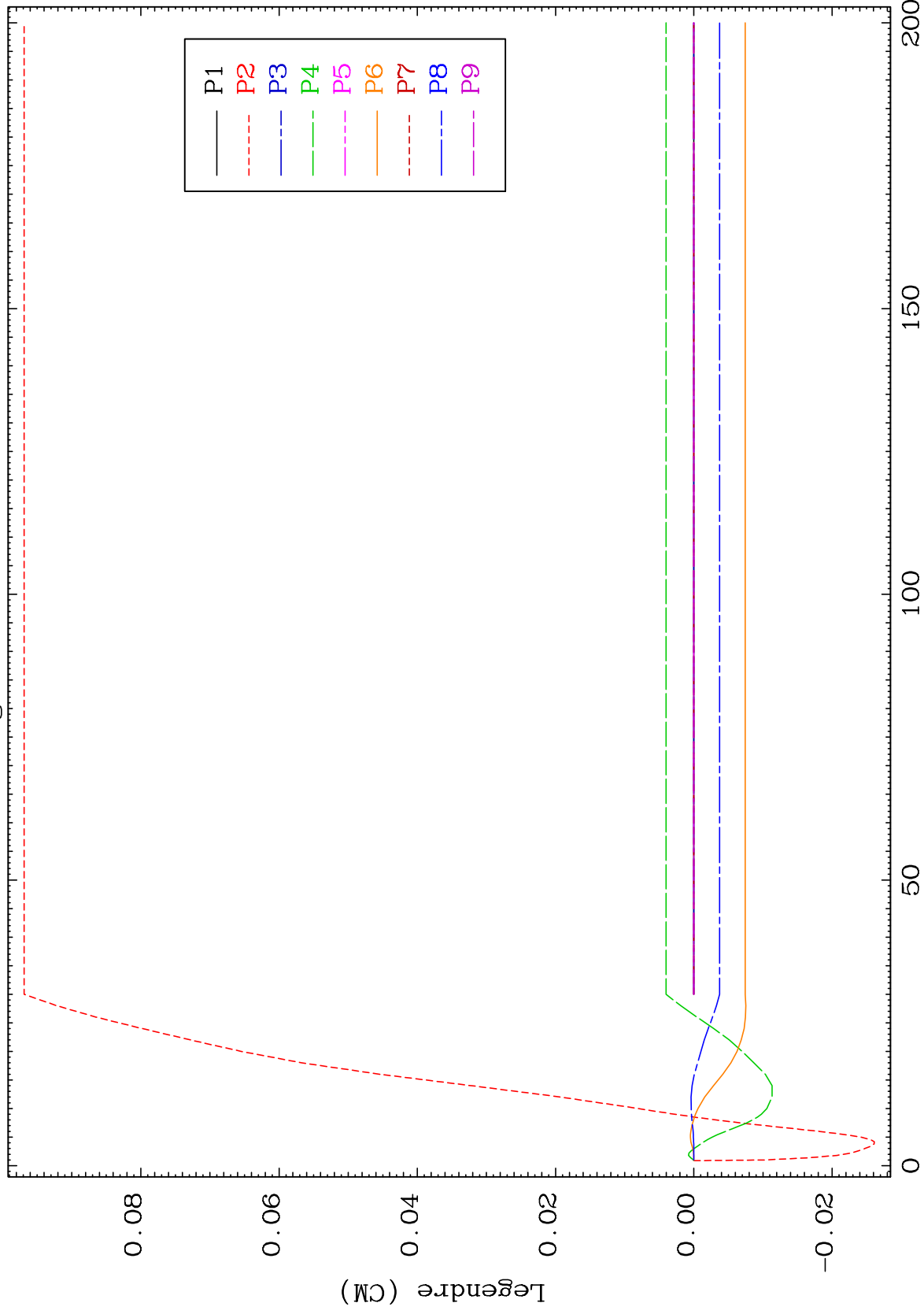




MAT 5922

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

59-Pr-140



73

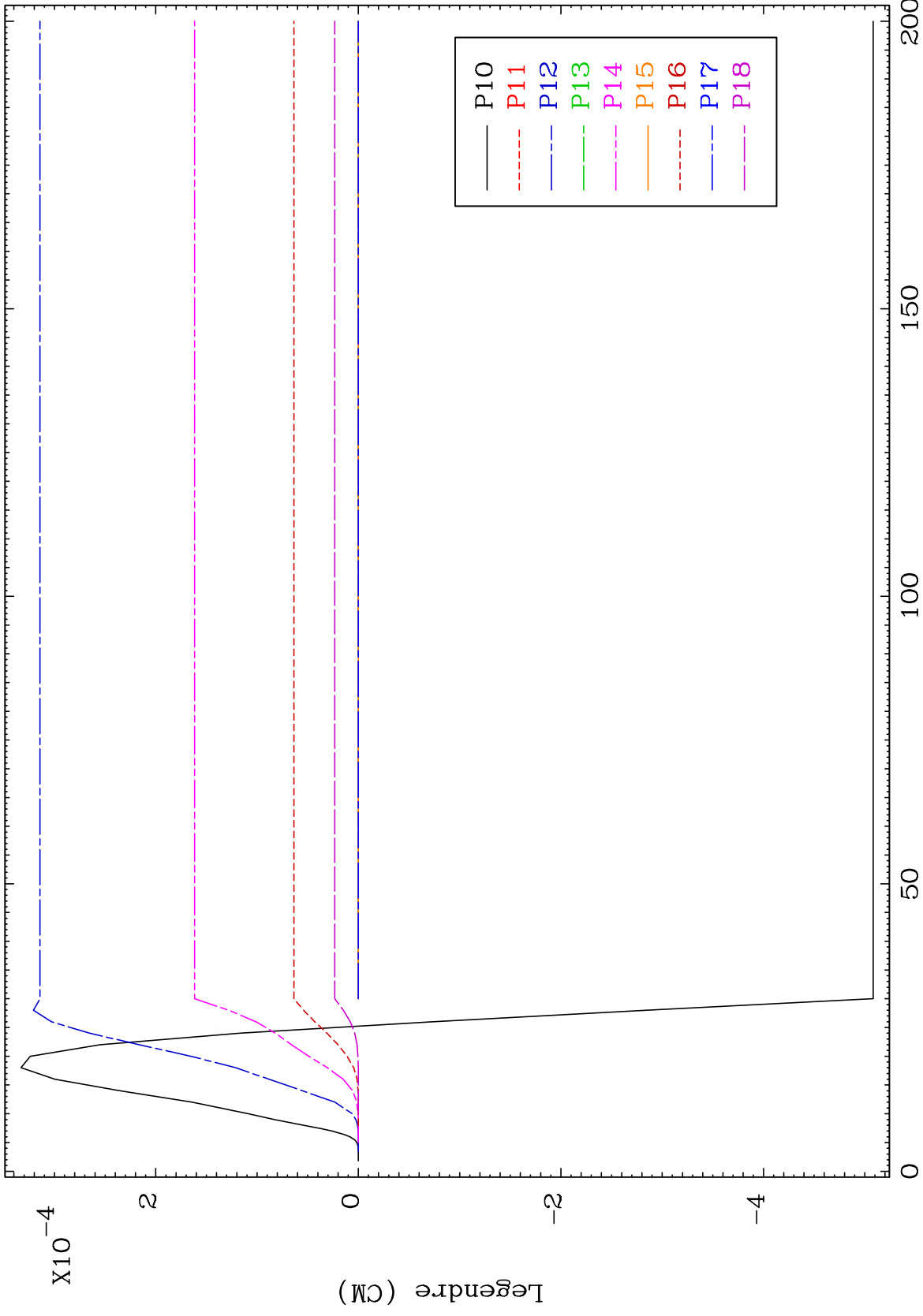
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

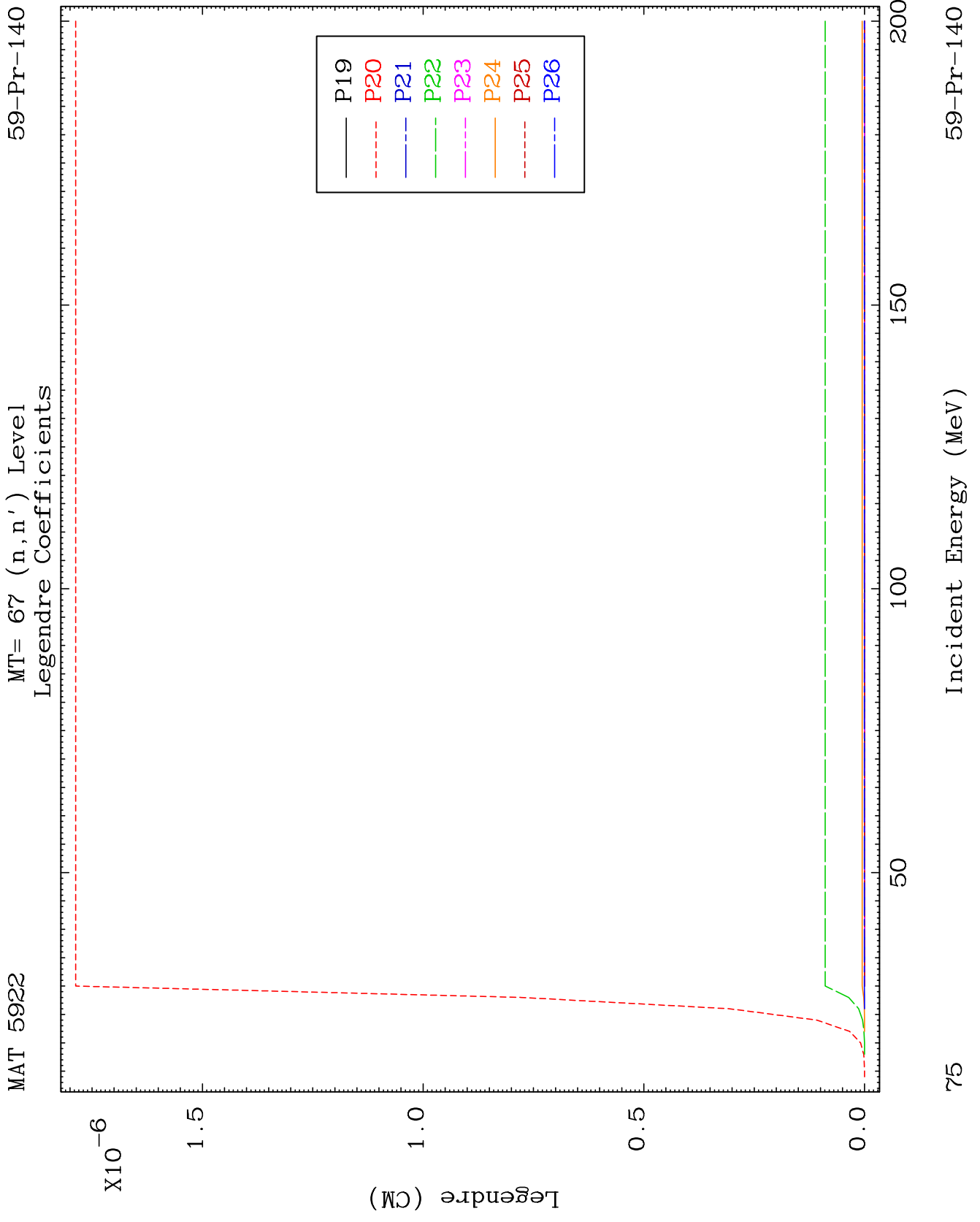
59-Pr-140



74

Incident Energy (MeV)

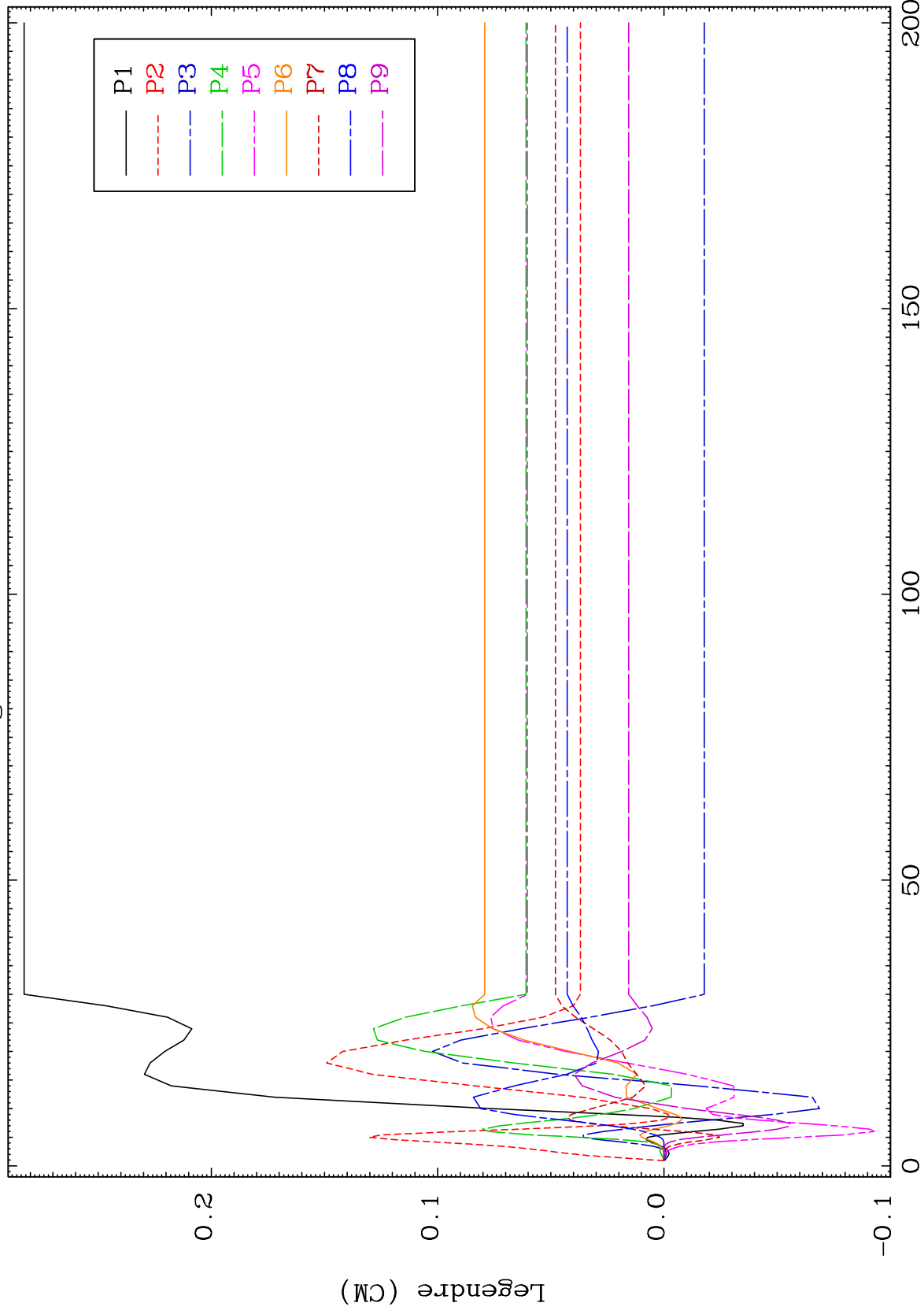
59-Pr-140



MAT 5922

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

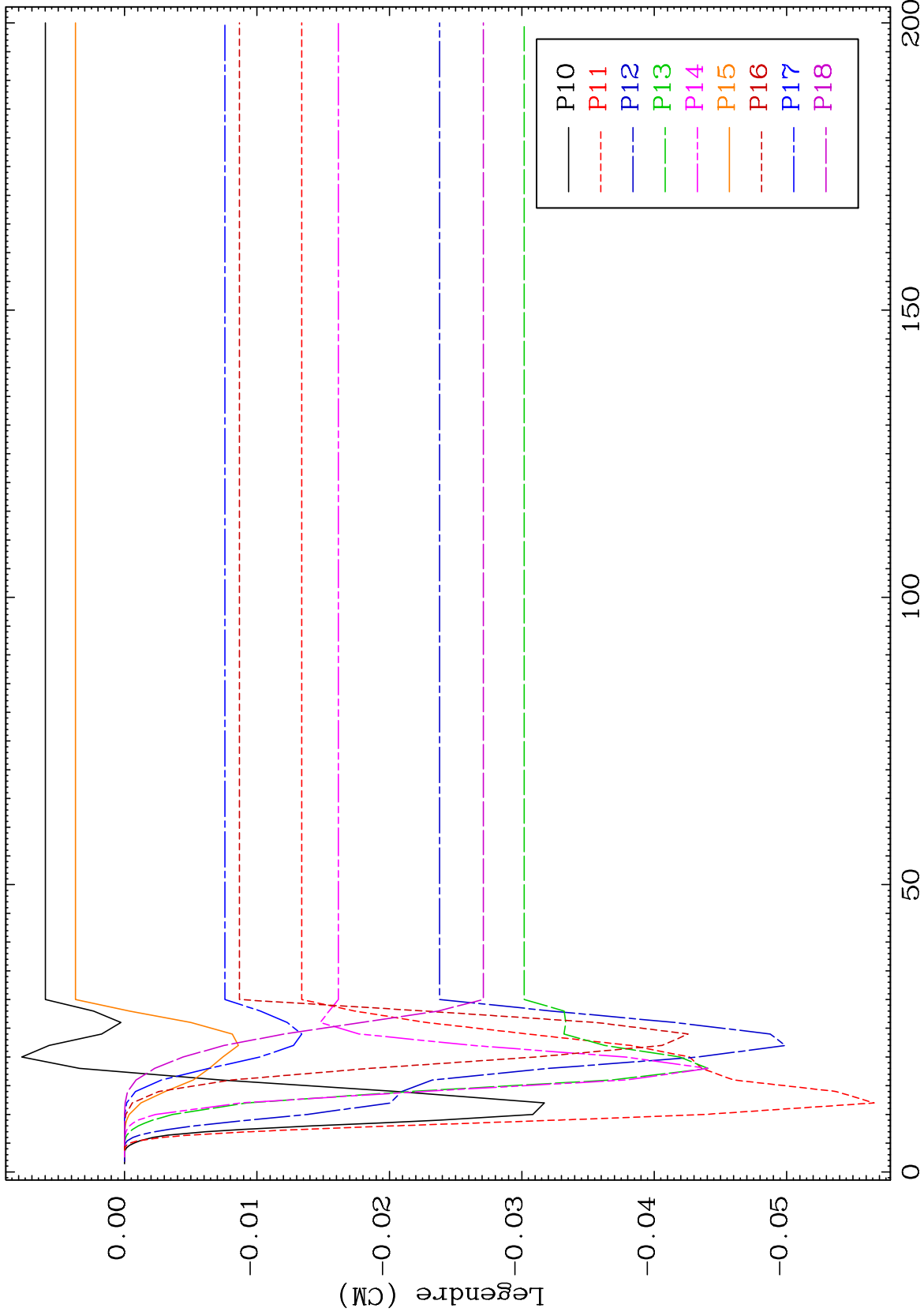
59-Pr-140

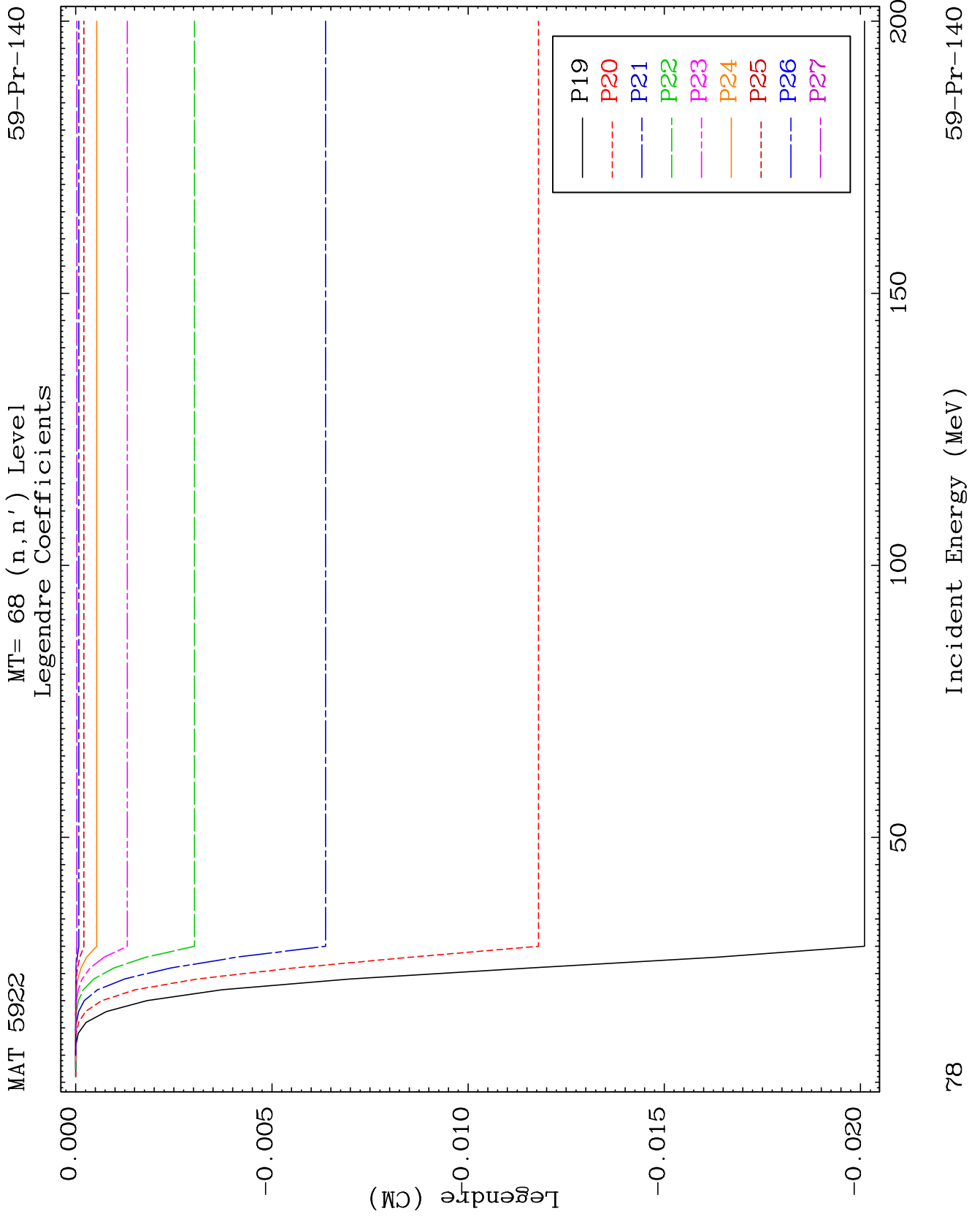


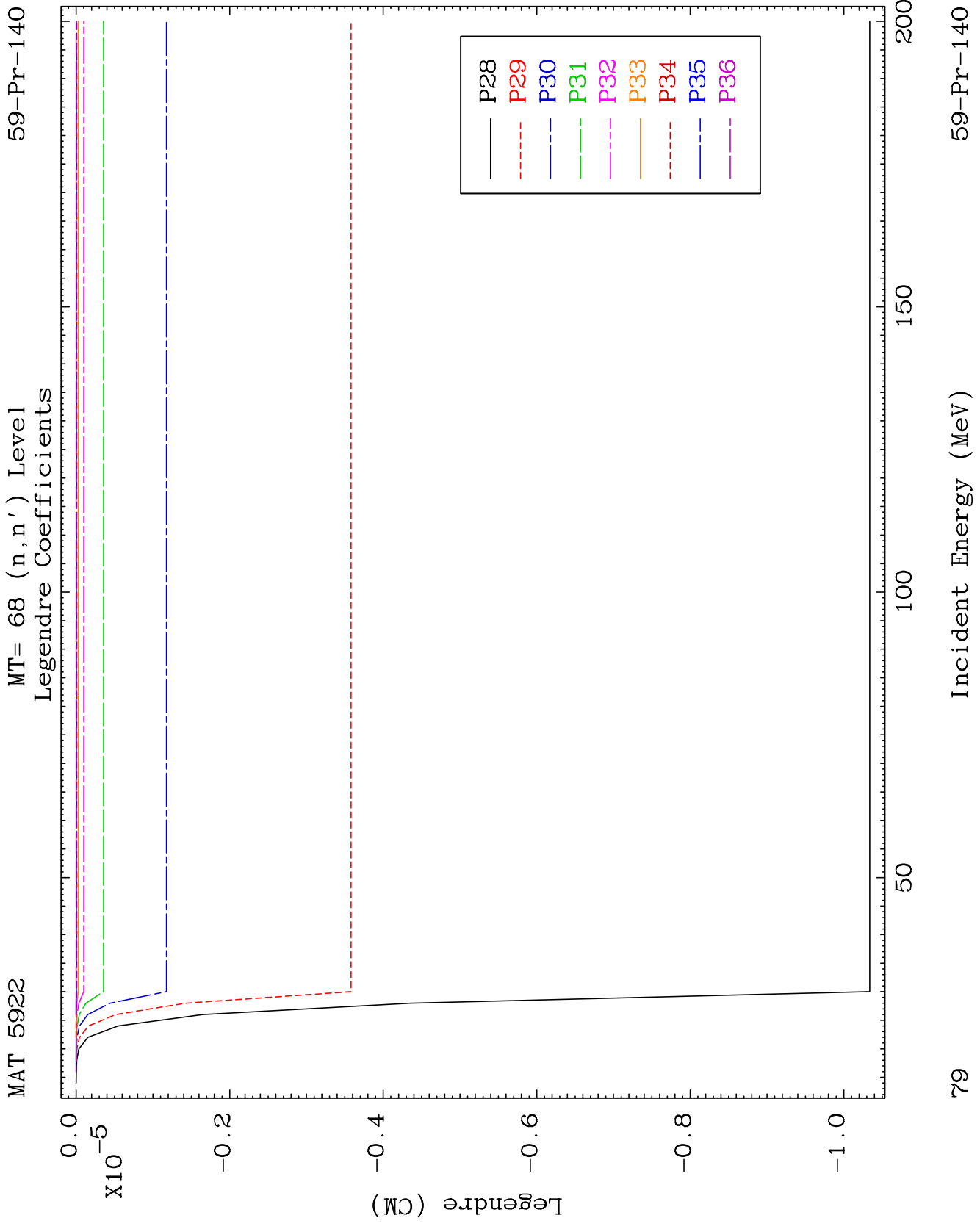
76

Incident Energy (MeV)

59-Pr-140



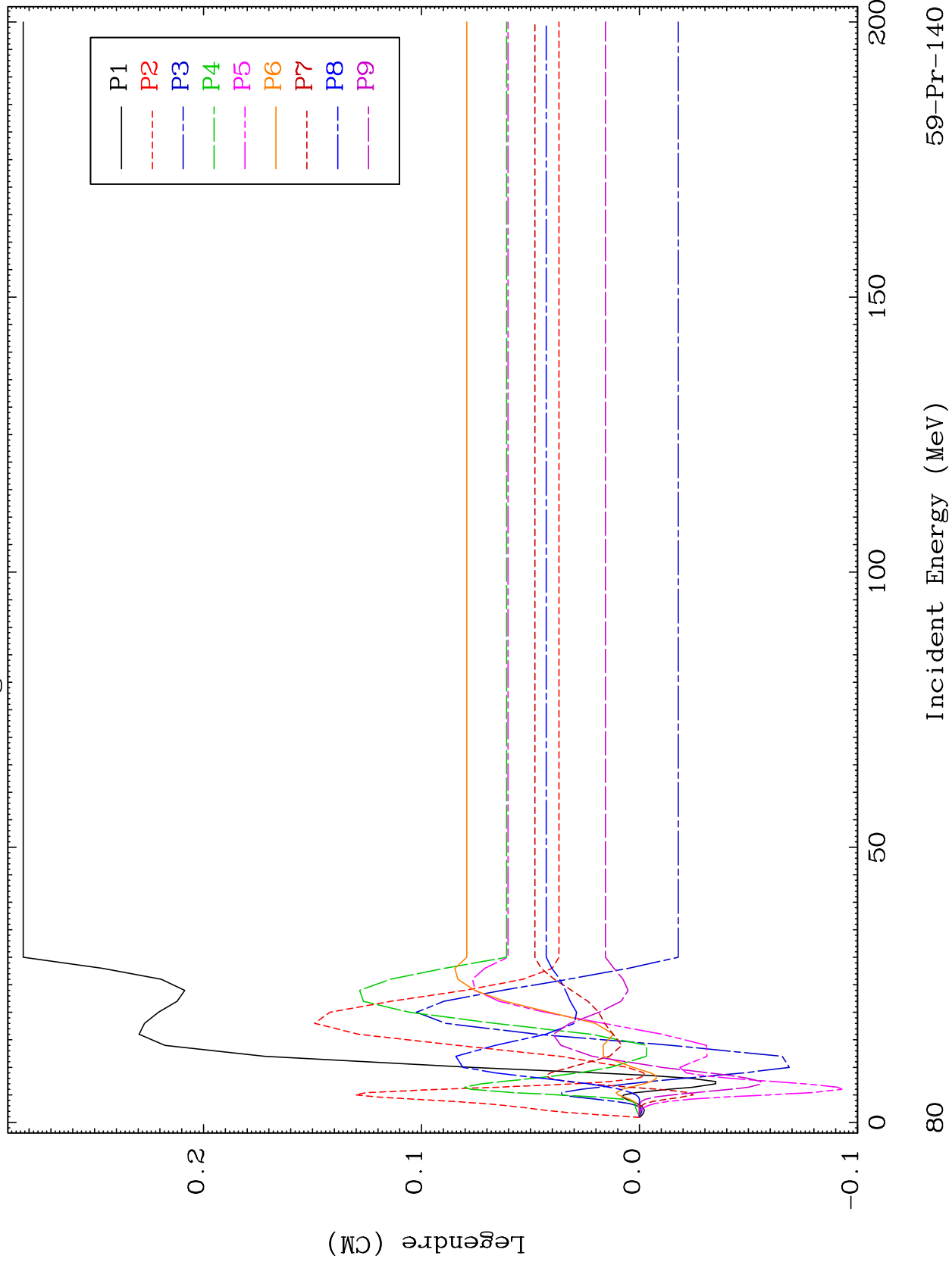


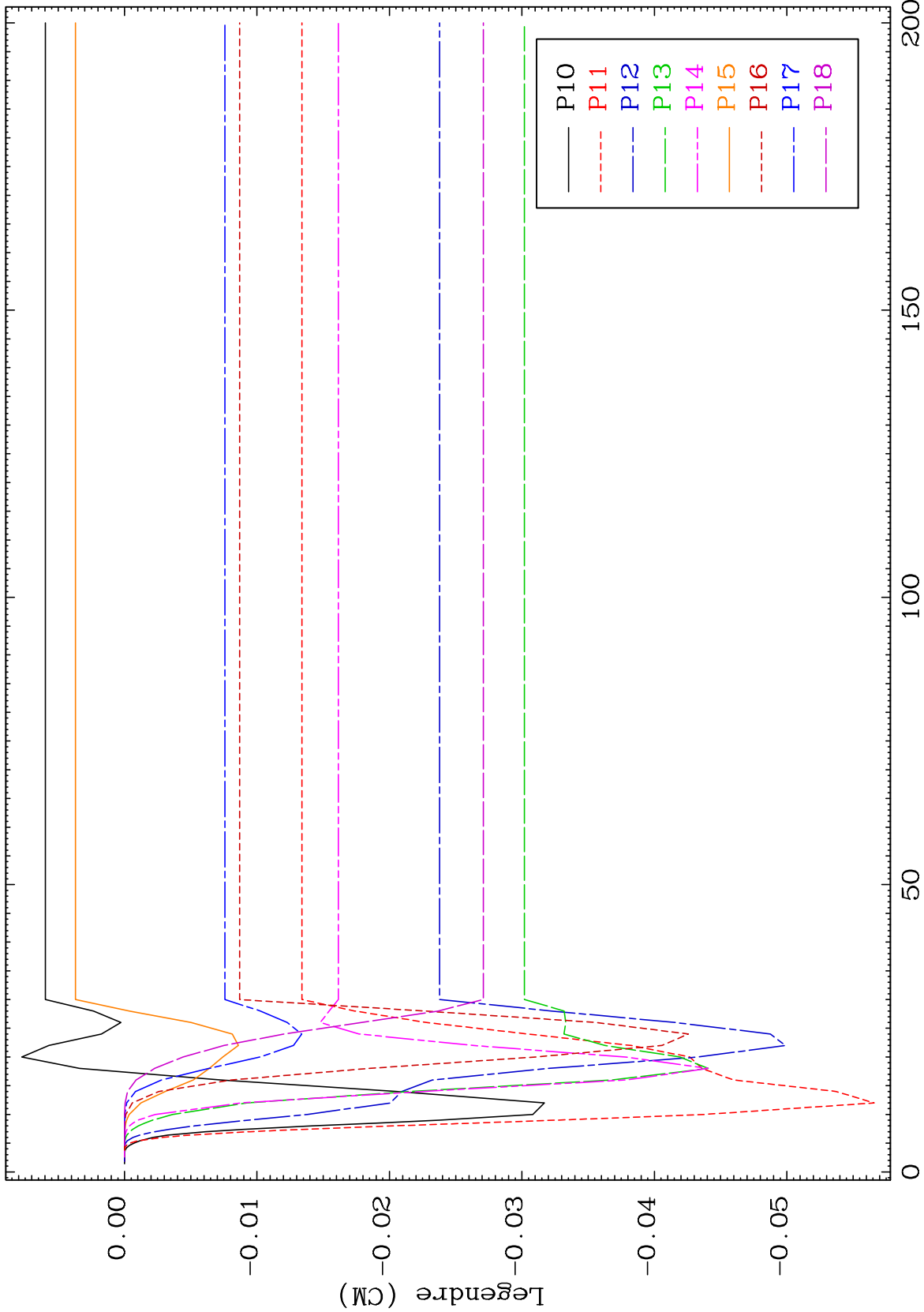


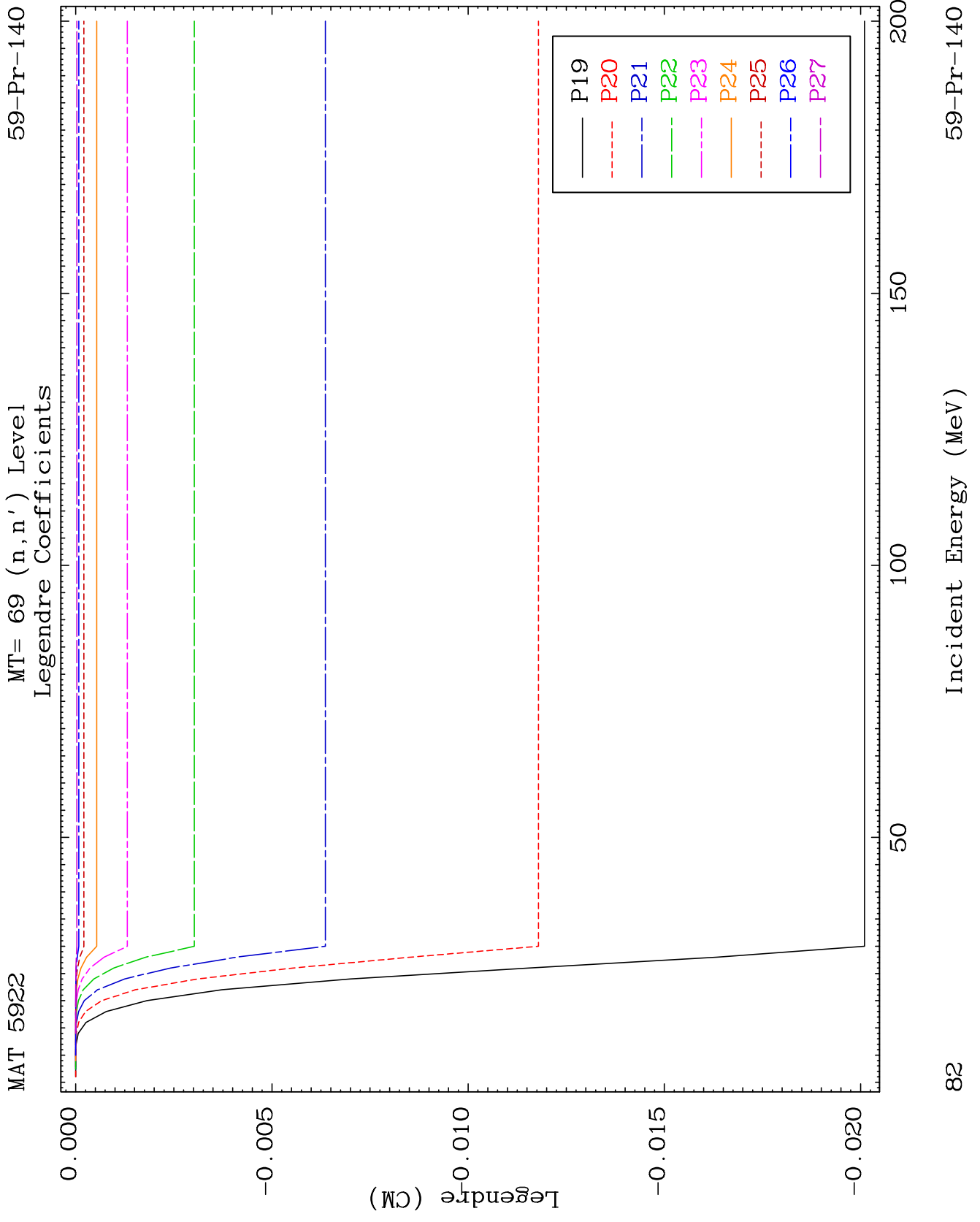
MAT 5922

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

59-Pr-140



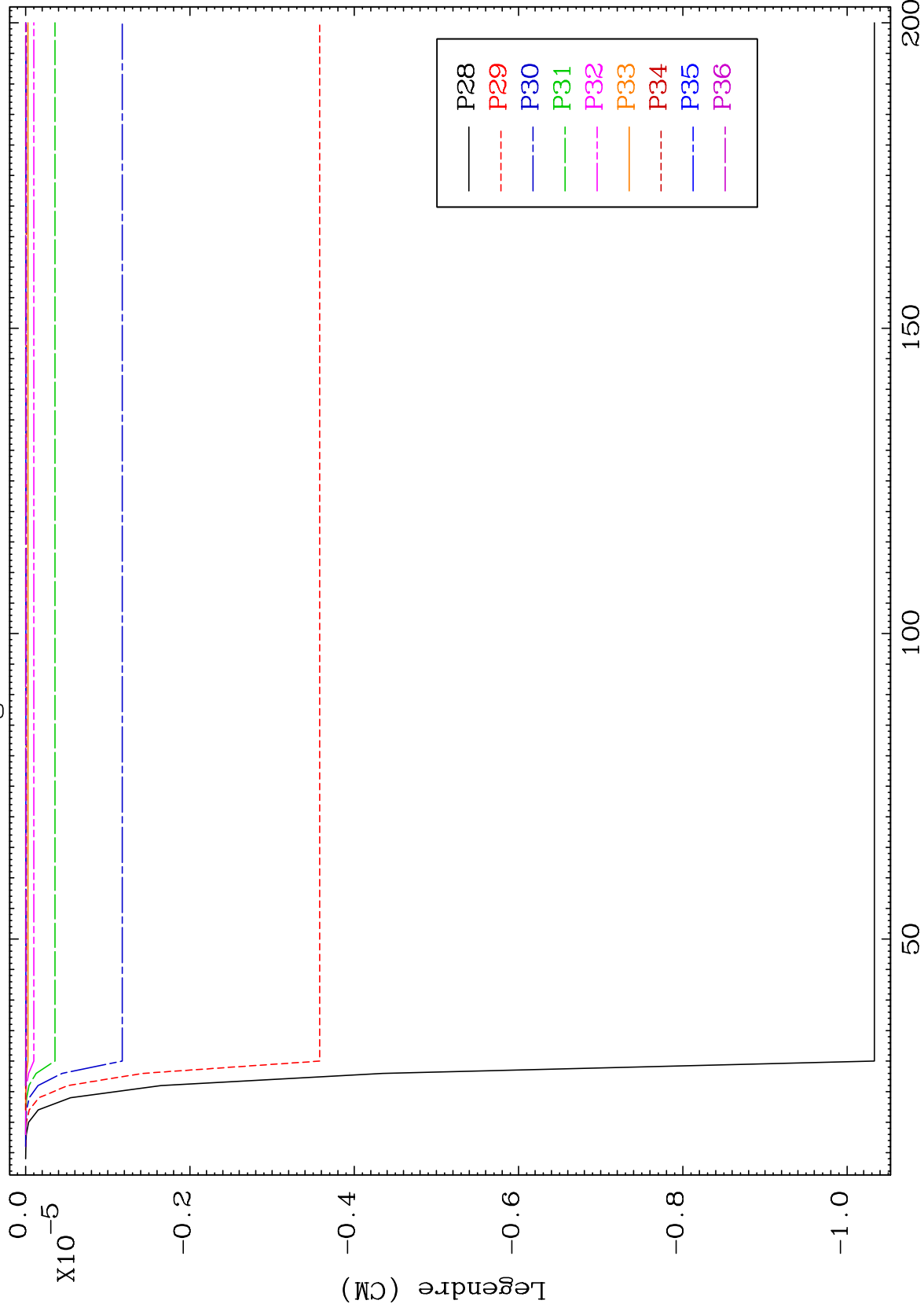




MAT 5922

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

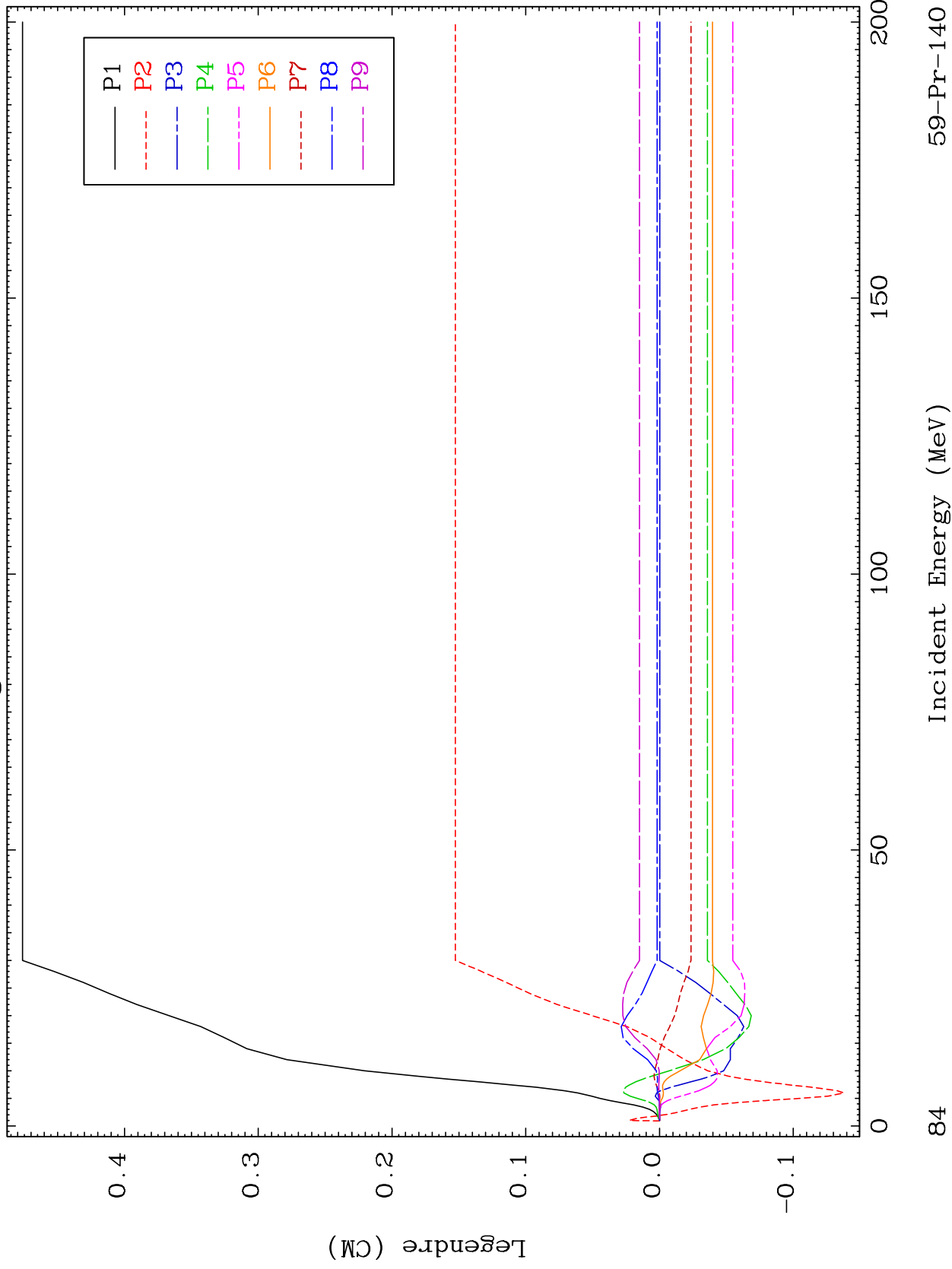
59-Pr-140



MAT 5922

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

59-Pr-140



59-Pr-140

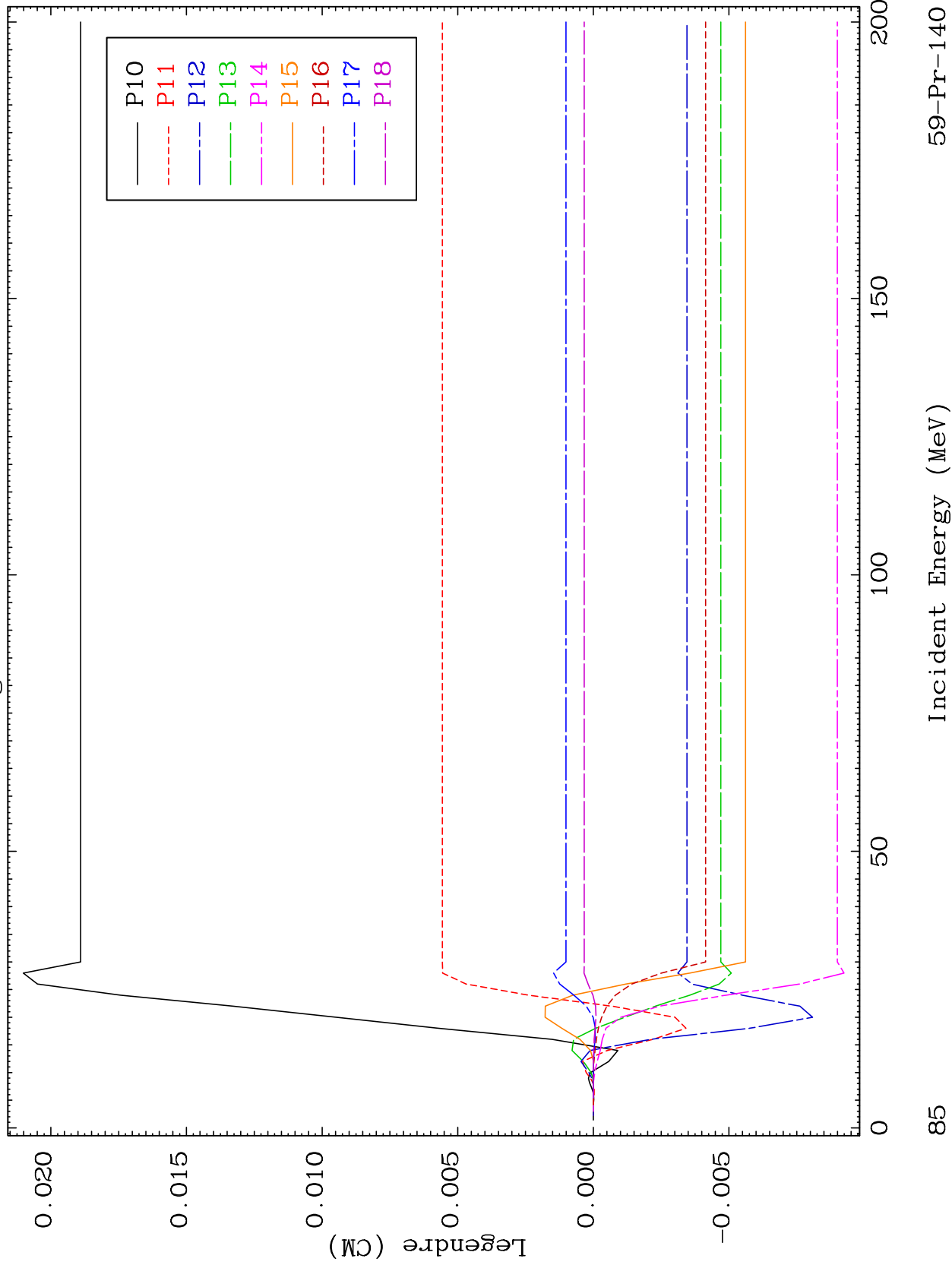
Incident Energy (MeV)

84

MAT 5922

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

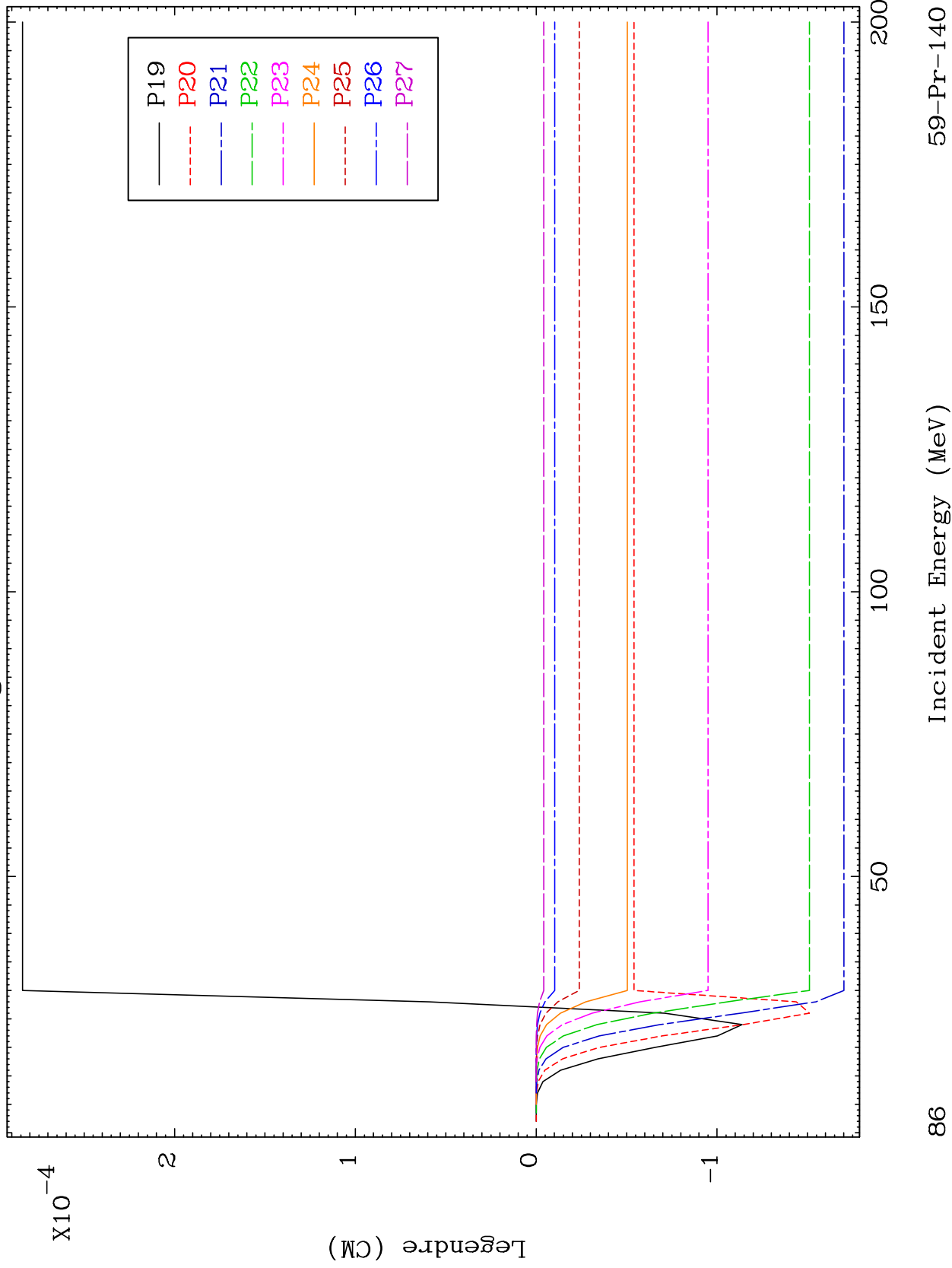
59-Pr-140



59-Pr-140

Incident Energy (MeV)

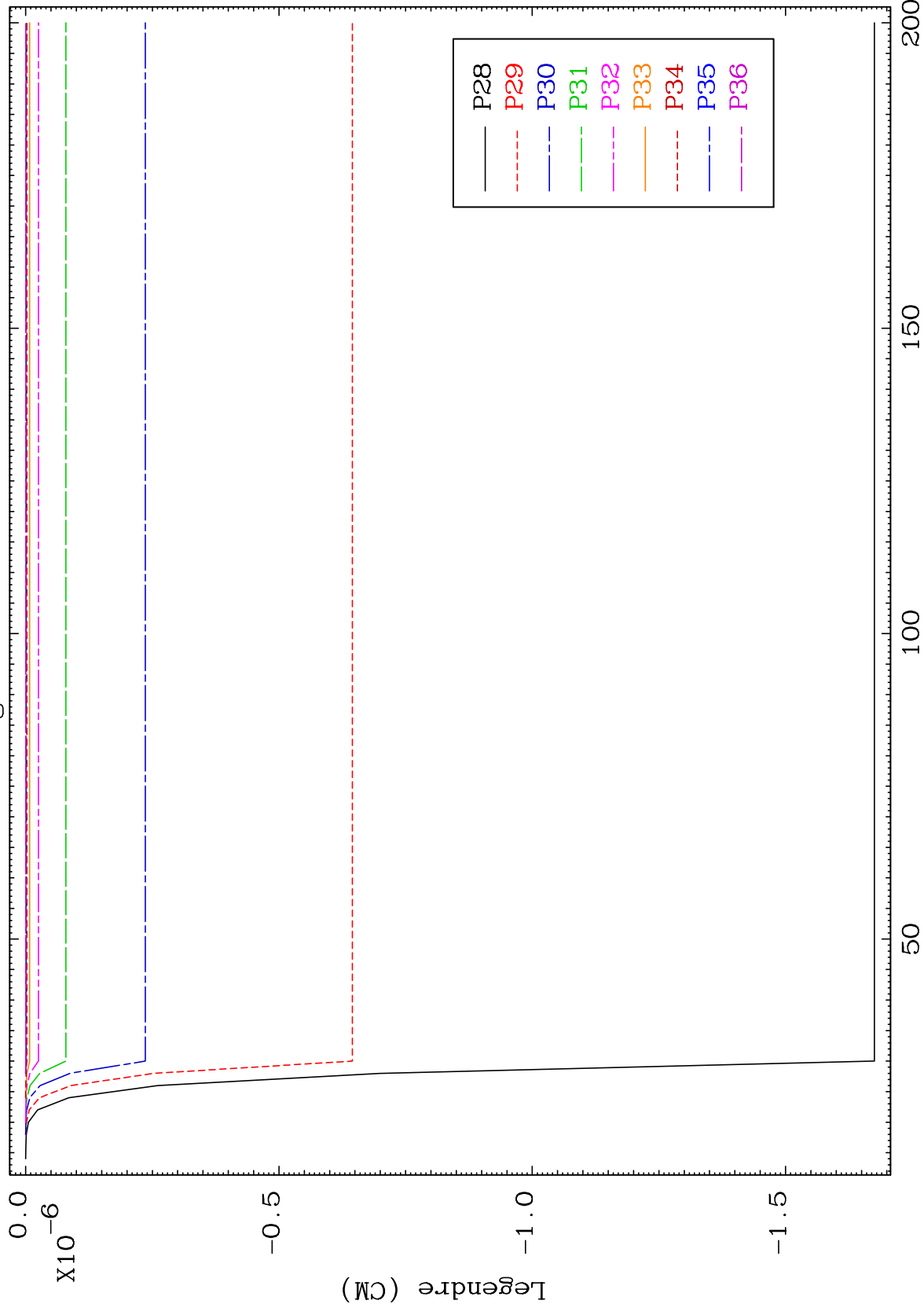
85



MAT 5922

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

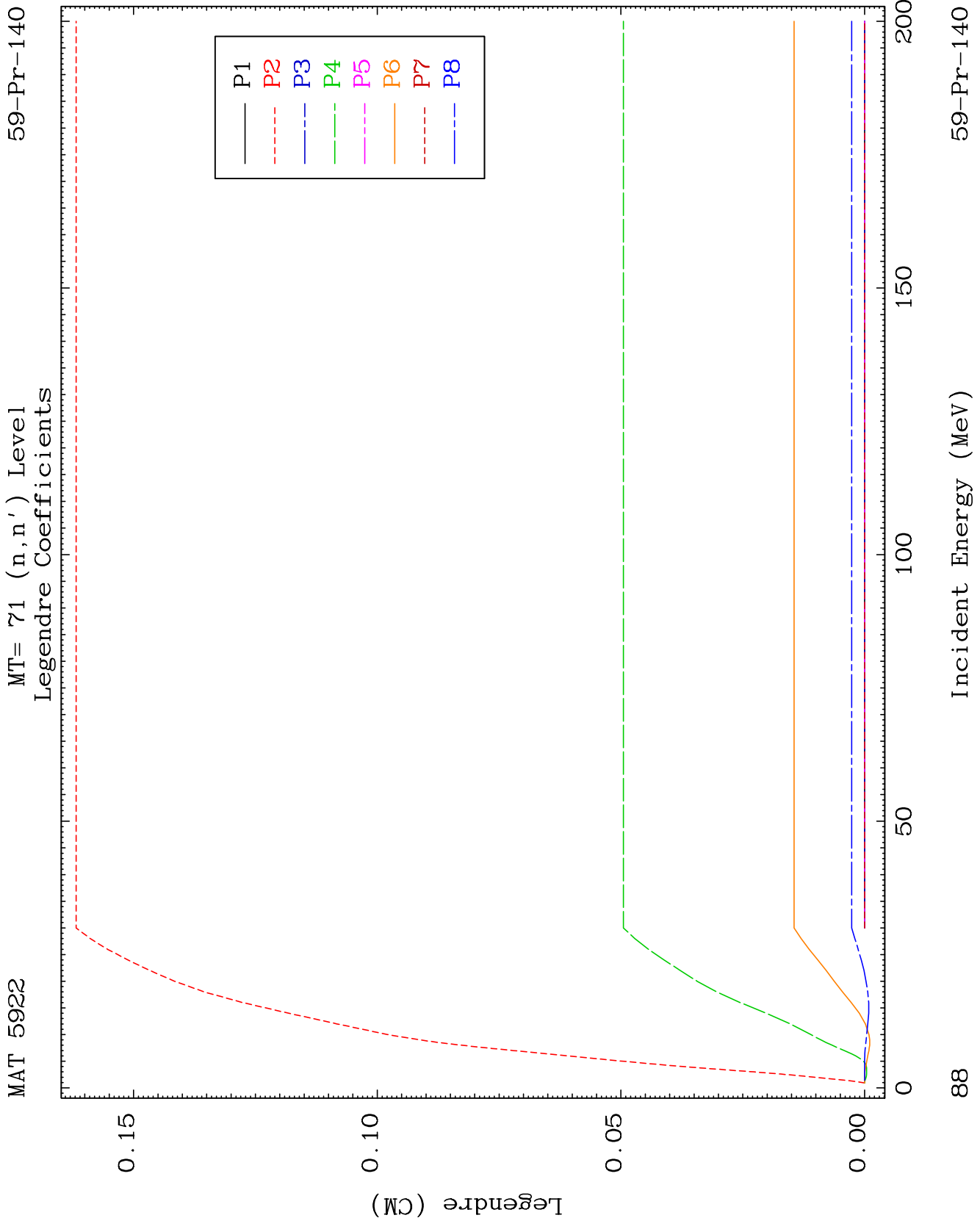
59-Pr-140



87

Incident Energy (MeV)

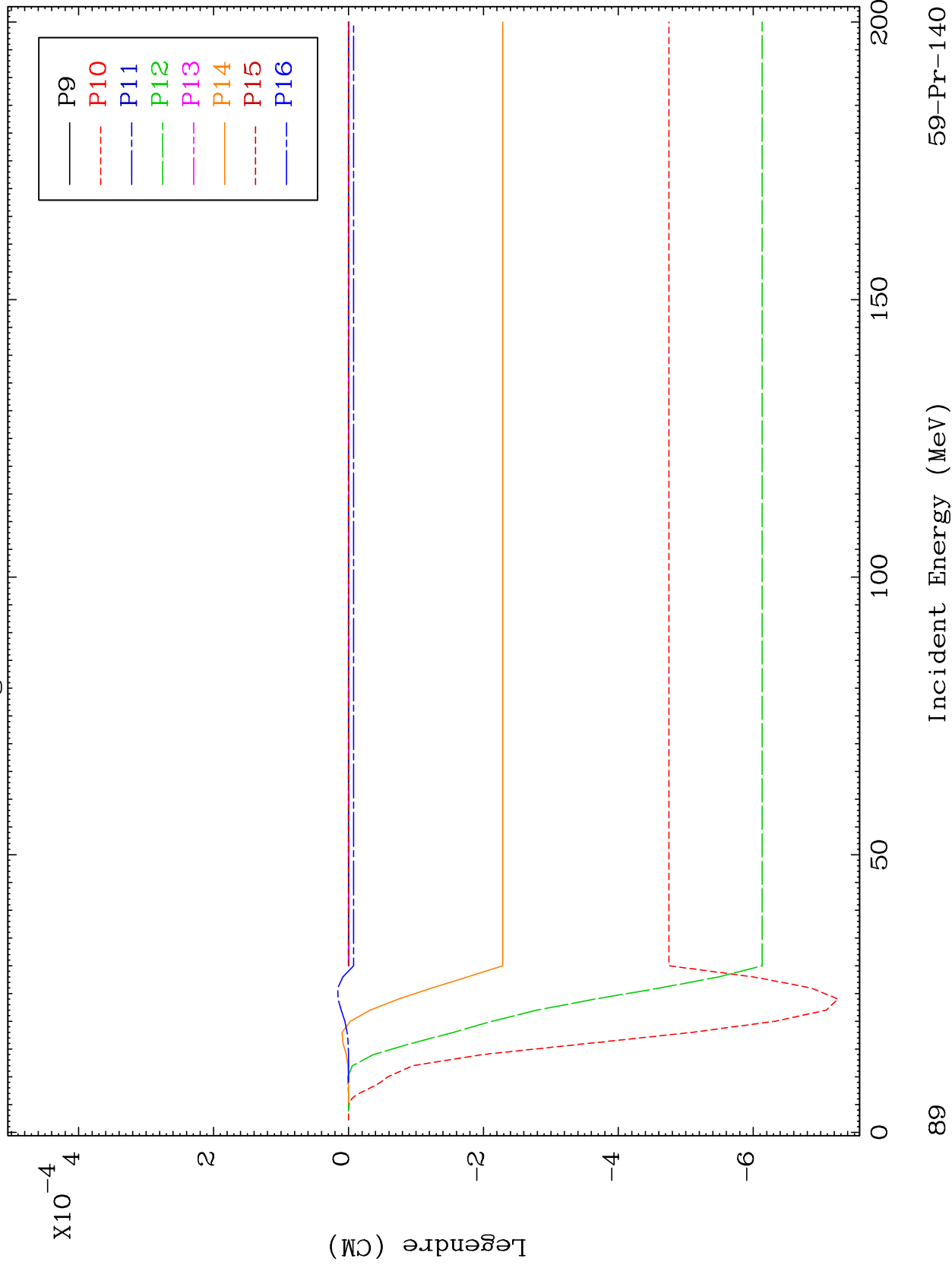
59-Pr-140



MAT 5922

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

59-Pr-140



59-Pr-140

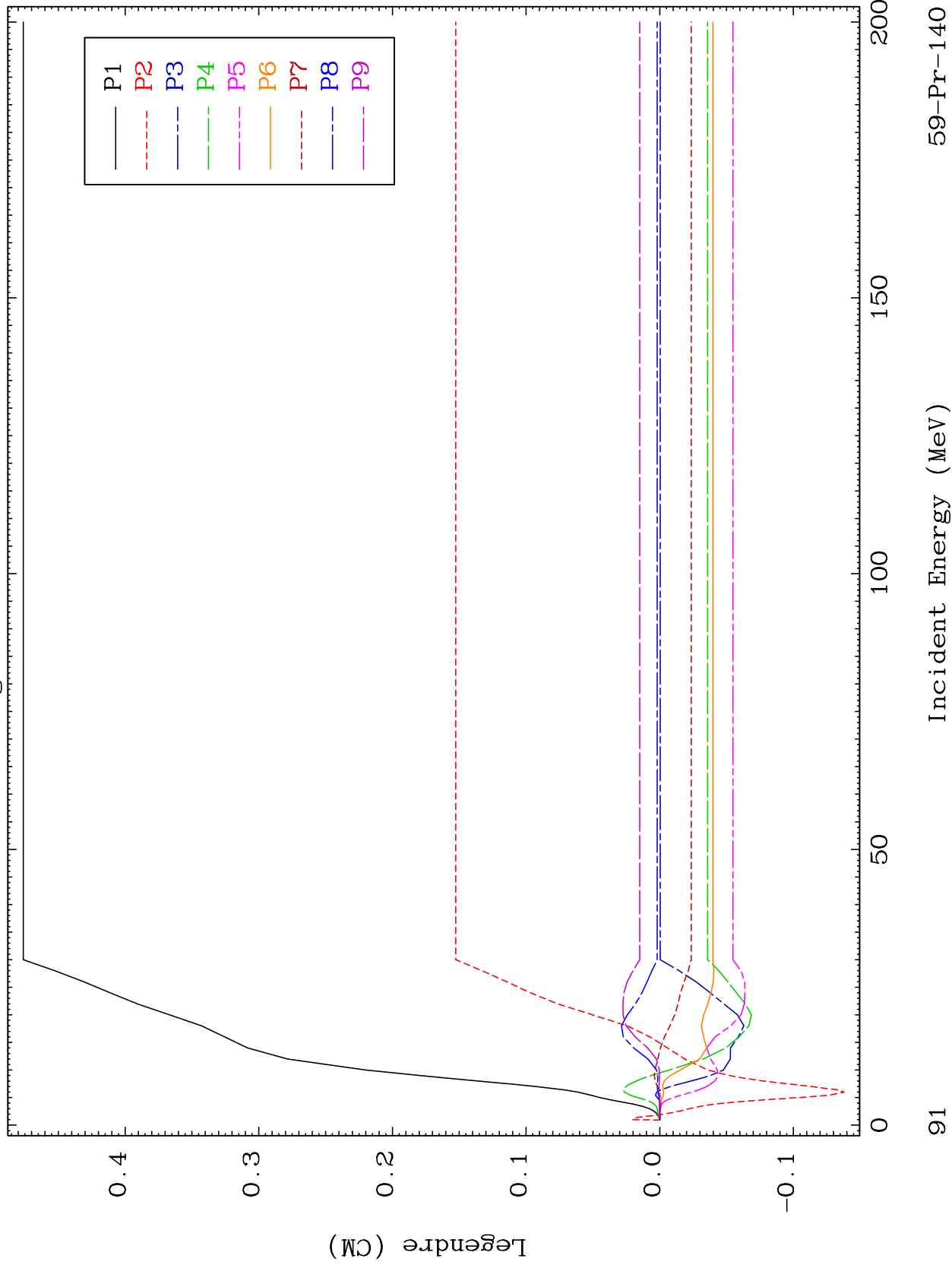
Incident Energy (MeV)

89

MAT 5922

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

59-Pr-140



59-Pr-140

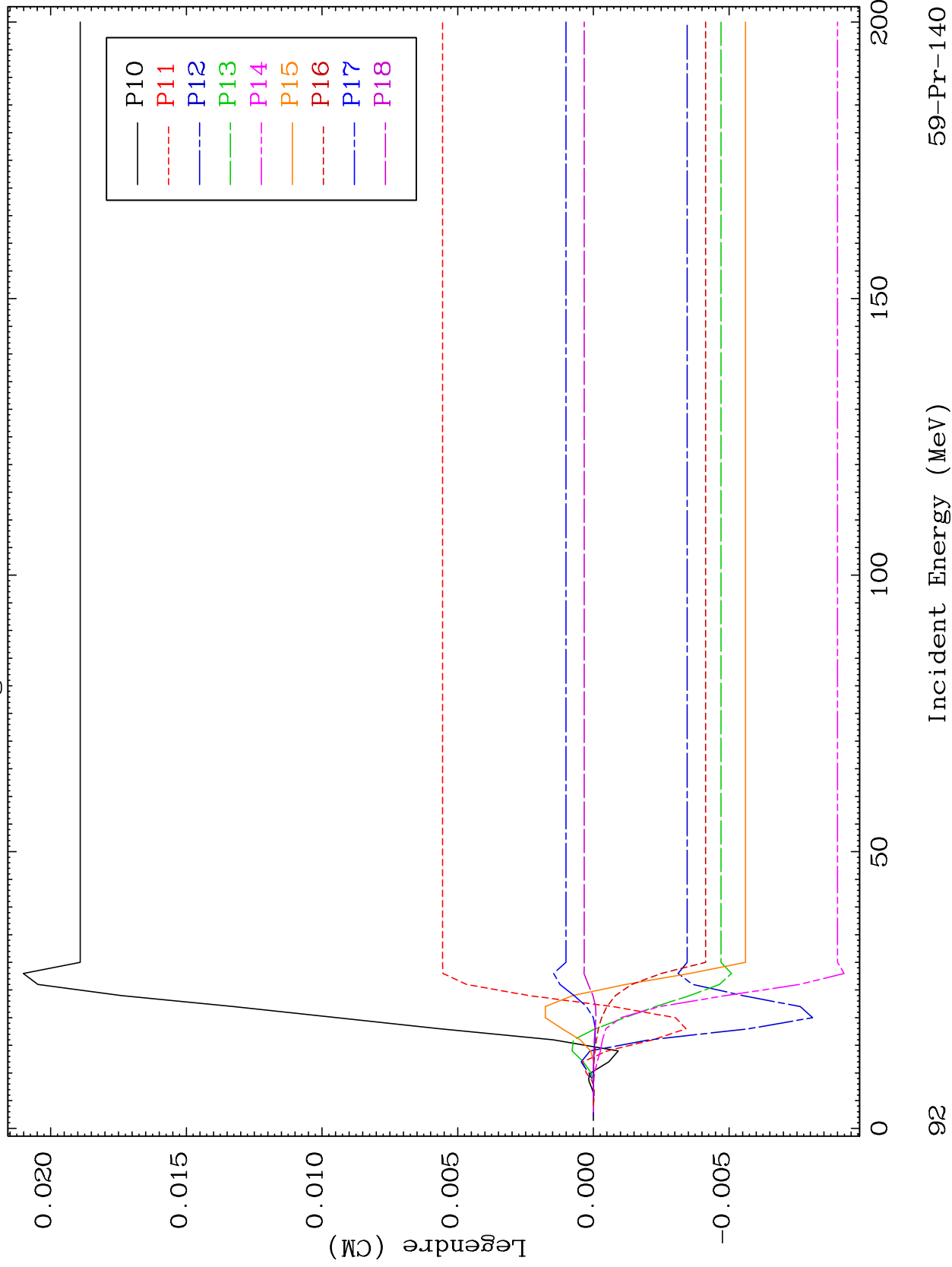
Incident Energy (MeV)

91

MAT 5922

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

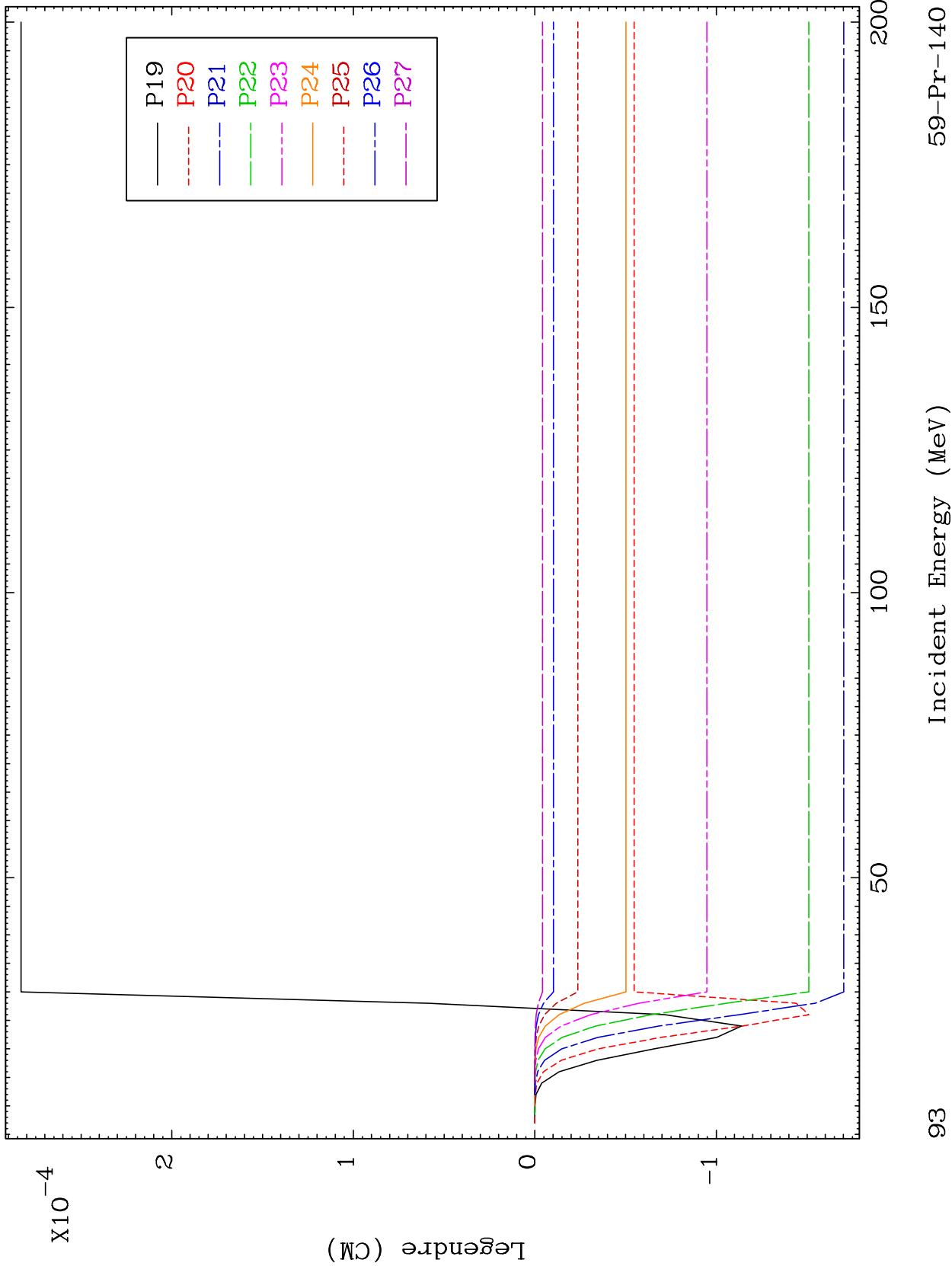
59-Pr-140



92

Incident Energy (MeV)

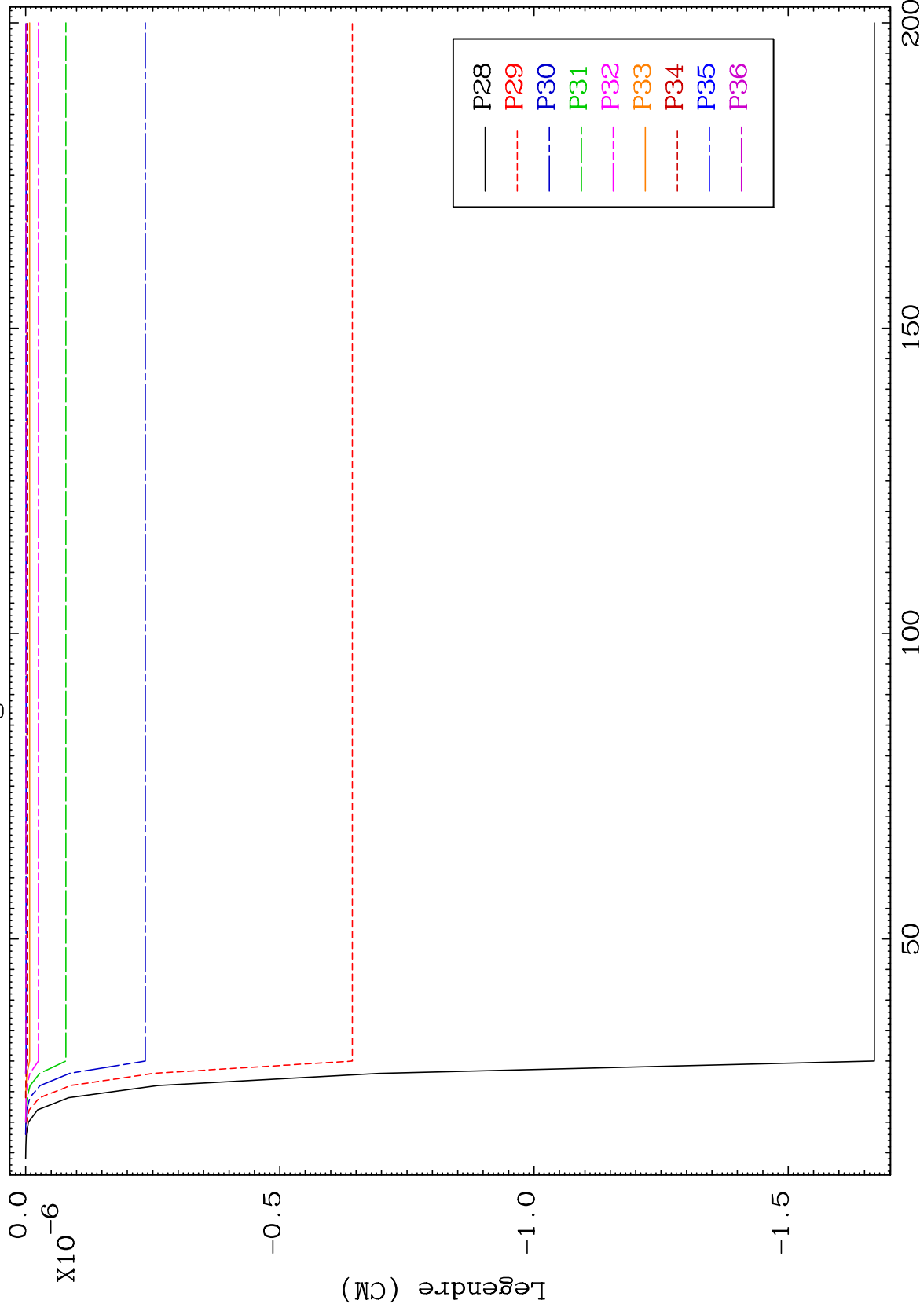
59-Pr-140



MAT 5922

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

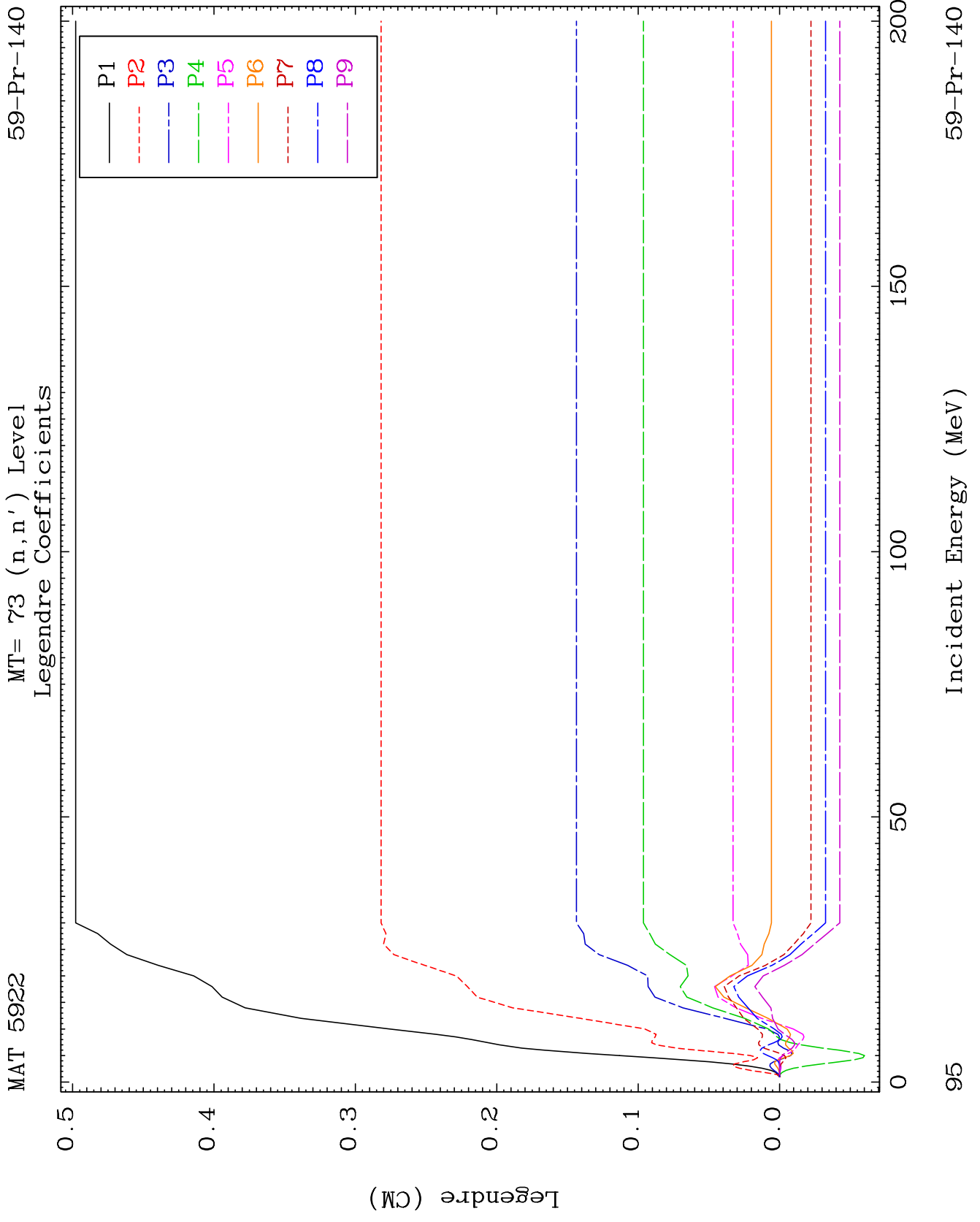
59-Pr-140



94

Incident Energy (MeV)

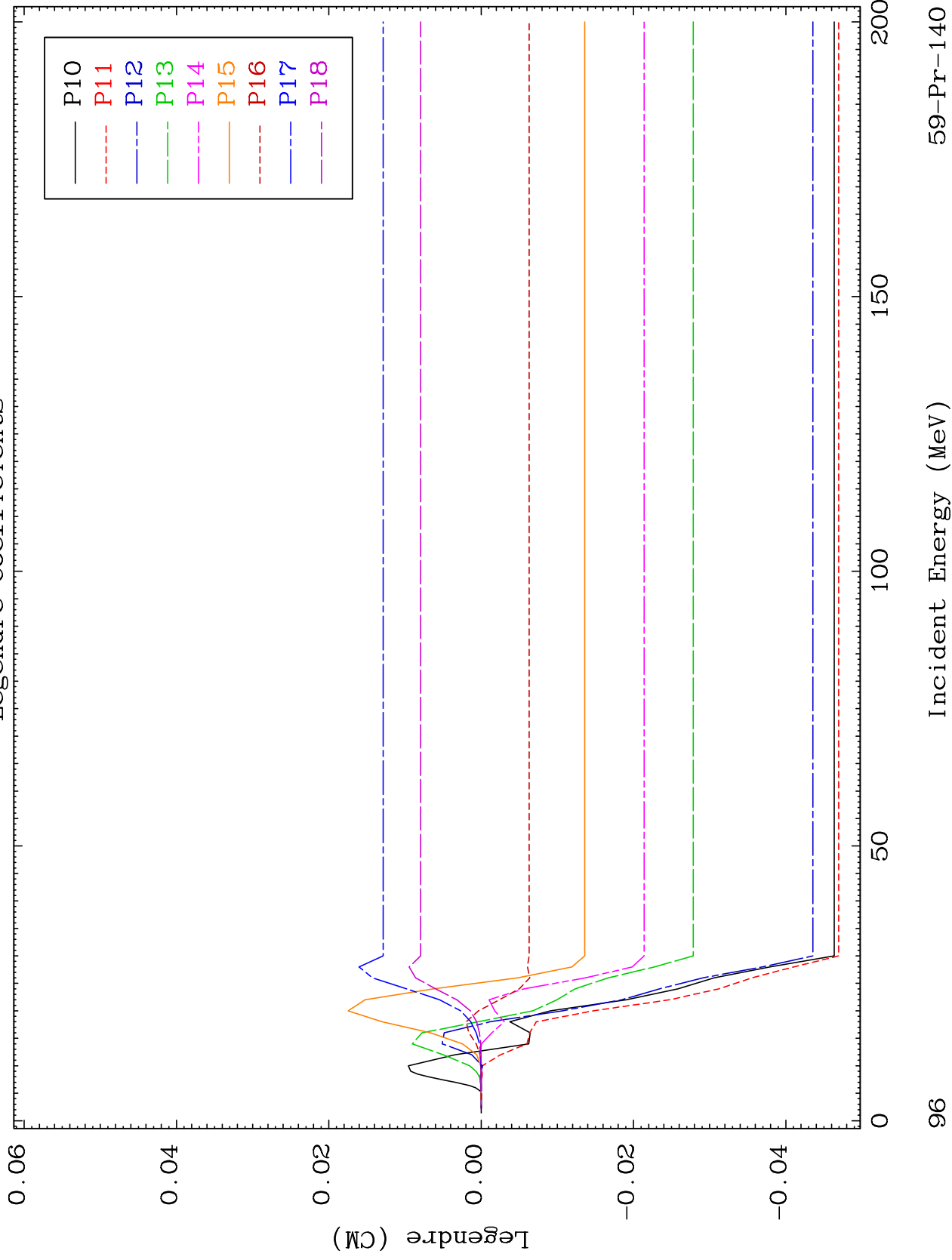
59-Pr-140



MAT 5922

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

59-Pr-140



59-Pr-140

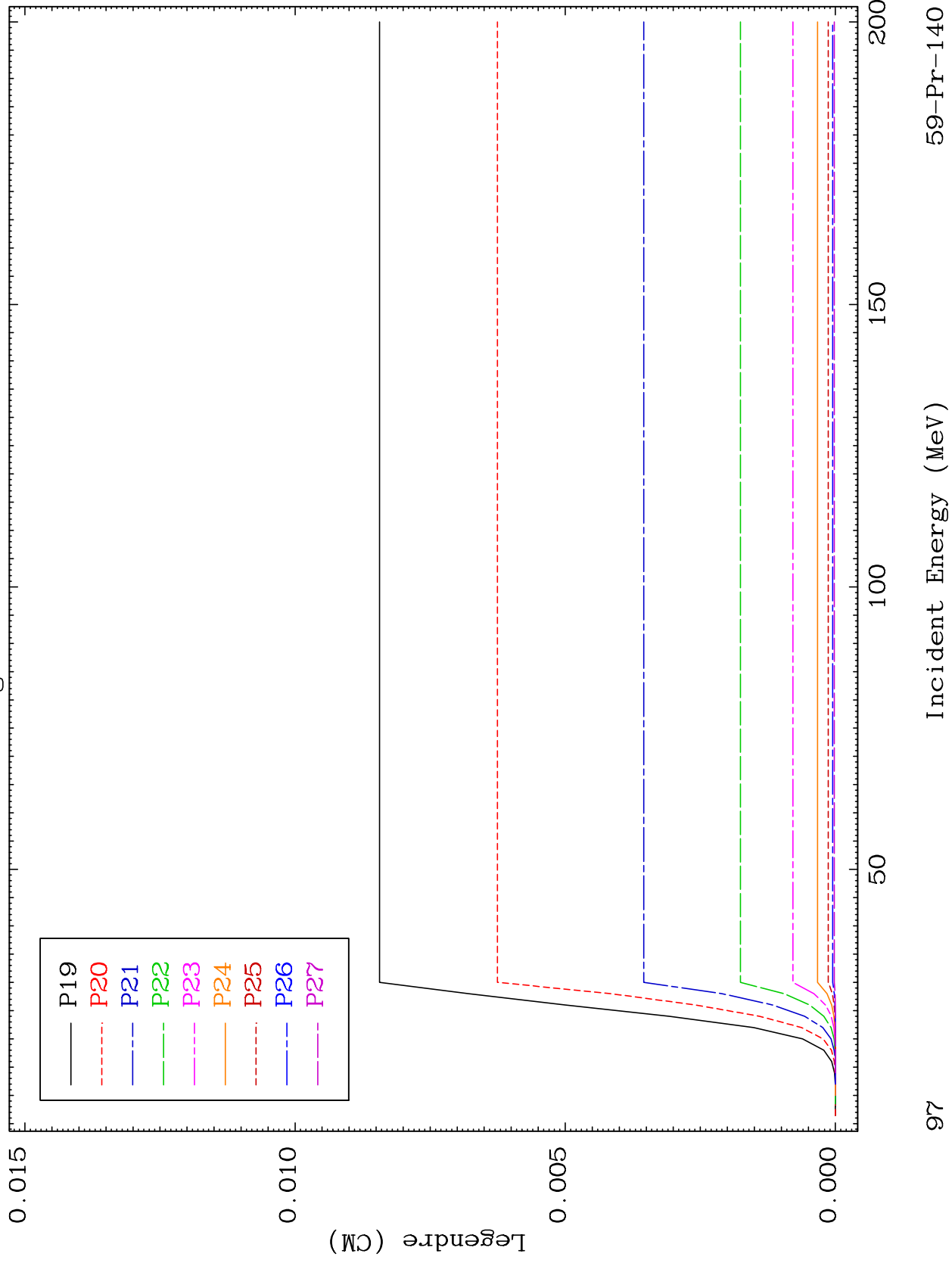
Incident Energy (MeV)

96

MAT 5922

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

59-Pr-140



97

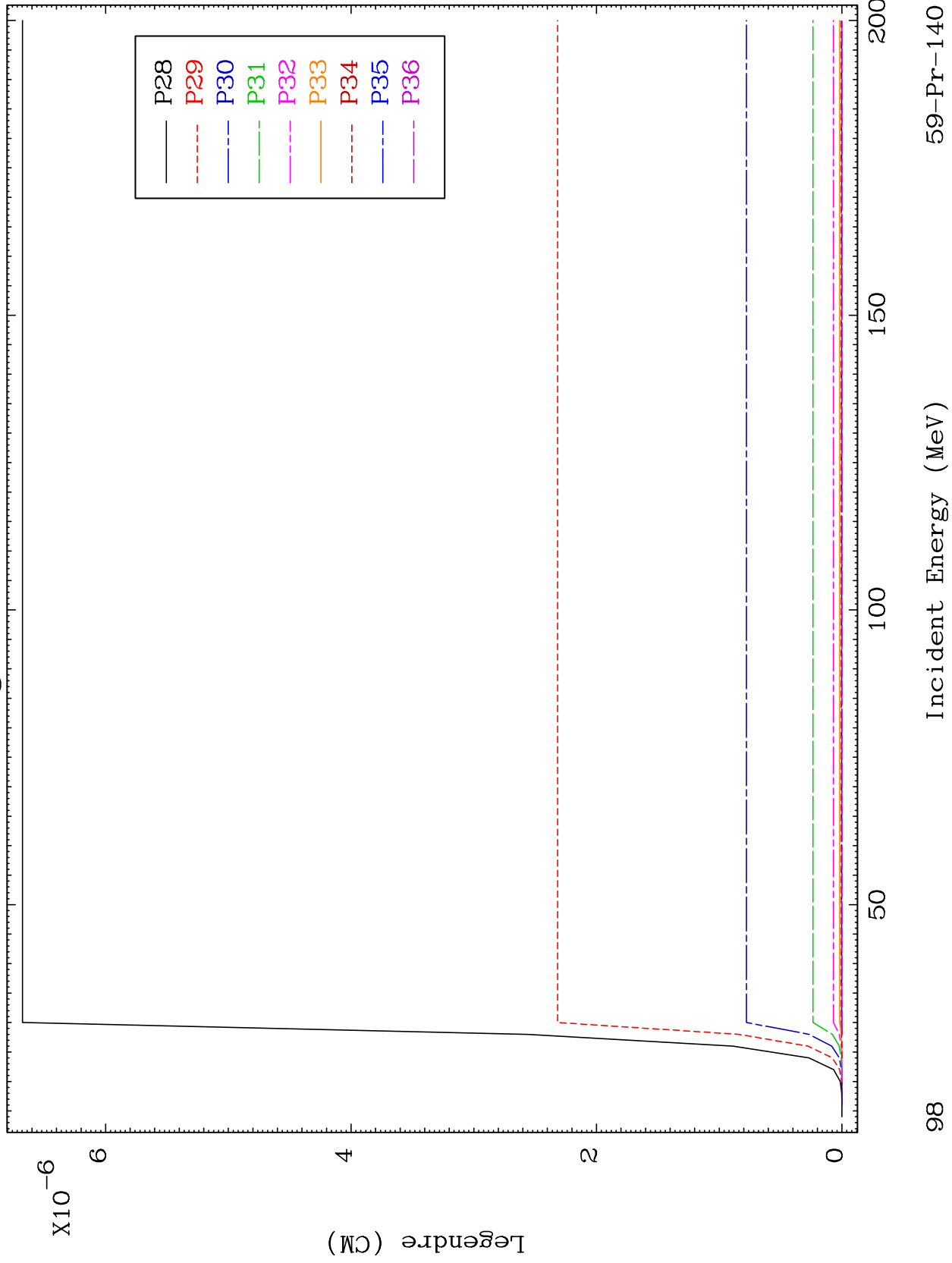
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

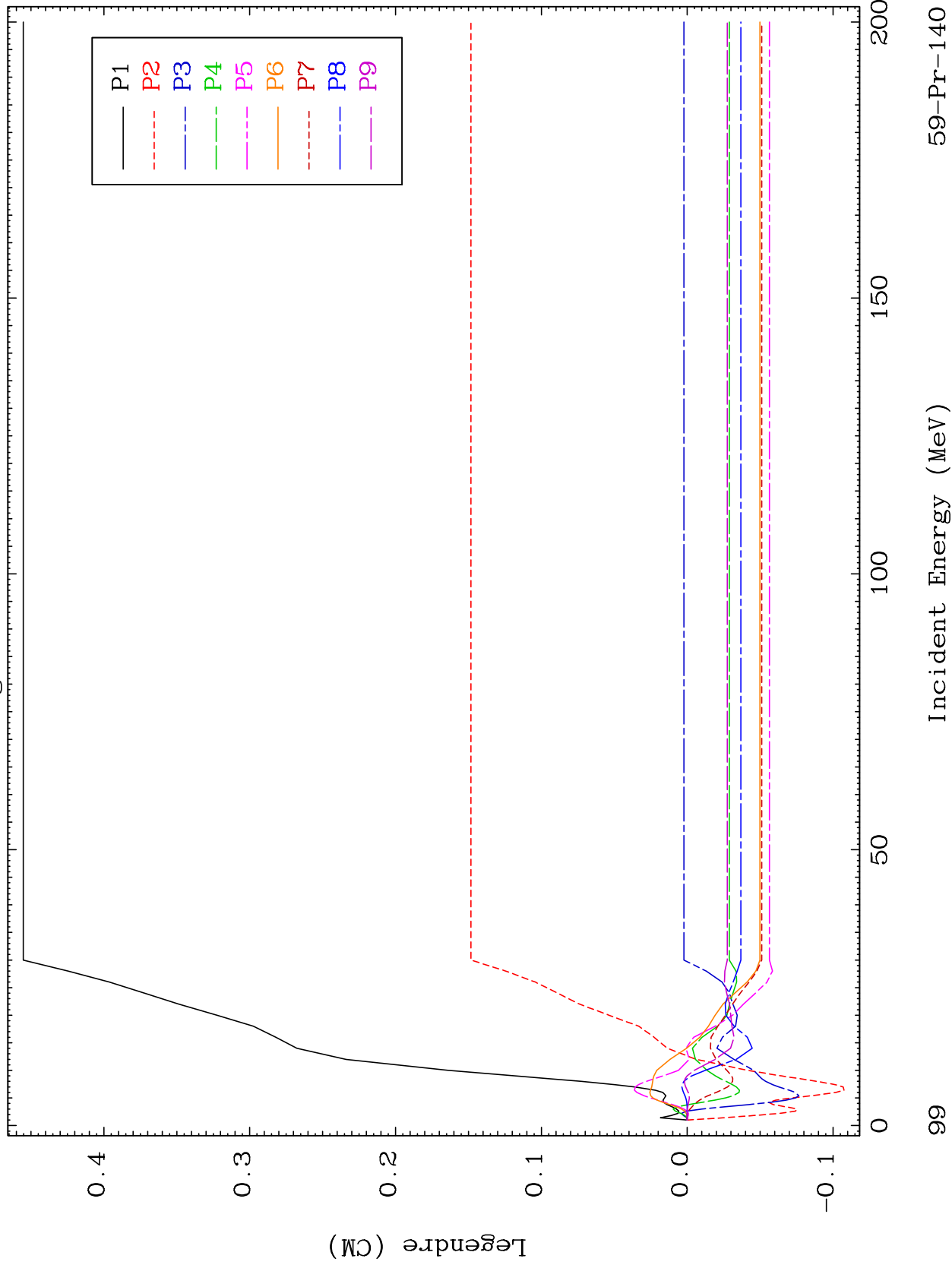
59-Pr-140



MAT 5922

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

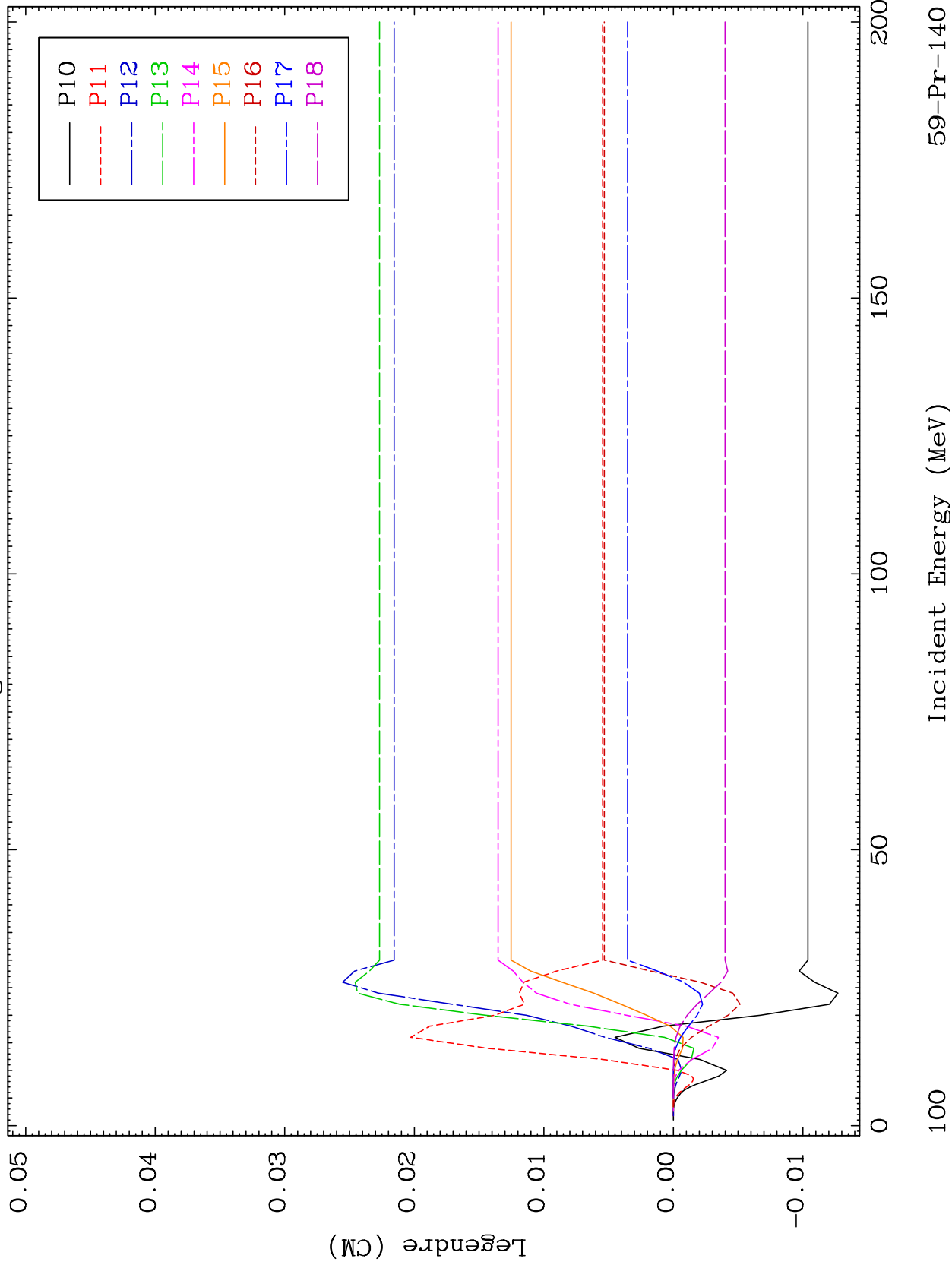
59-Pr-140



MAT 5922

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

59-Pr-140



59-Pr-140

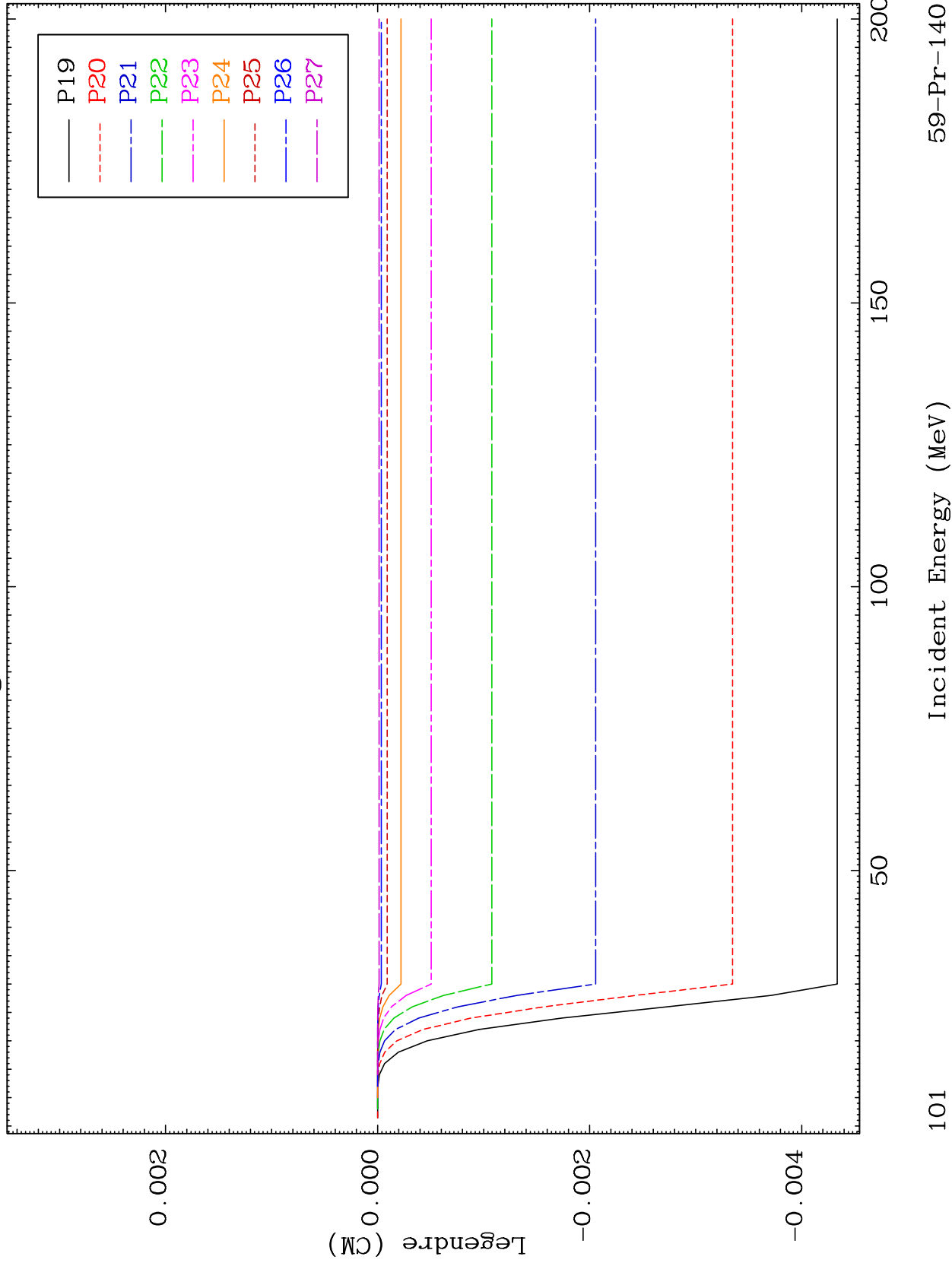
Incident Energy (MeV)

100

MAT 5922

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

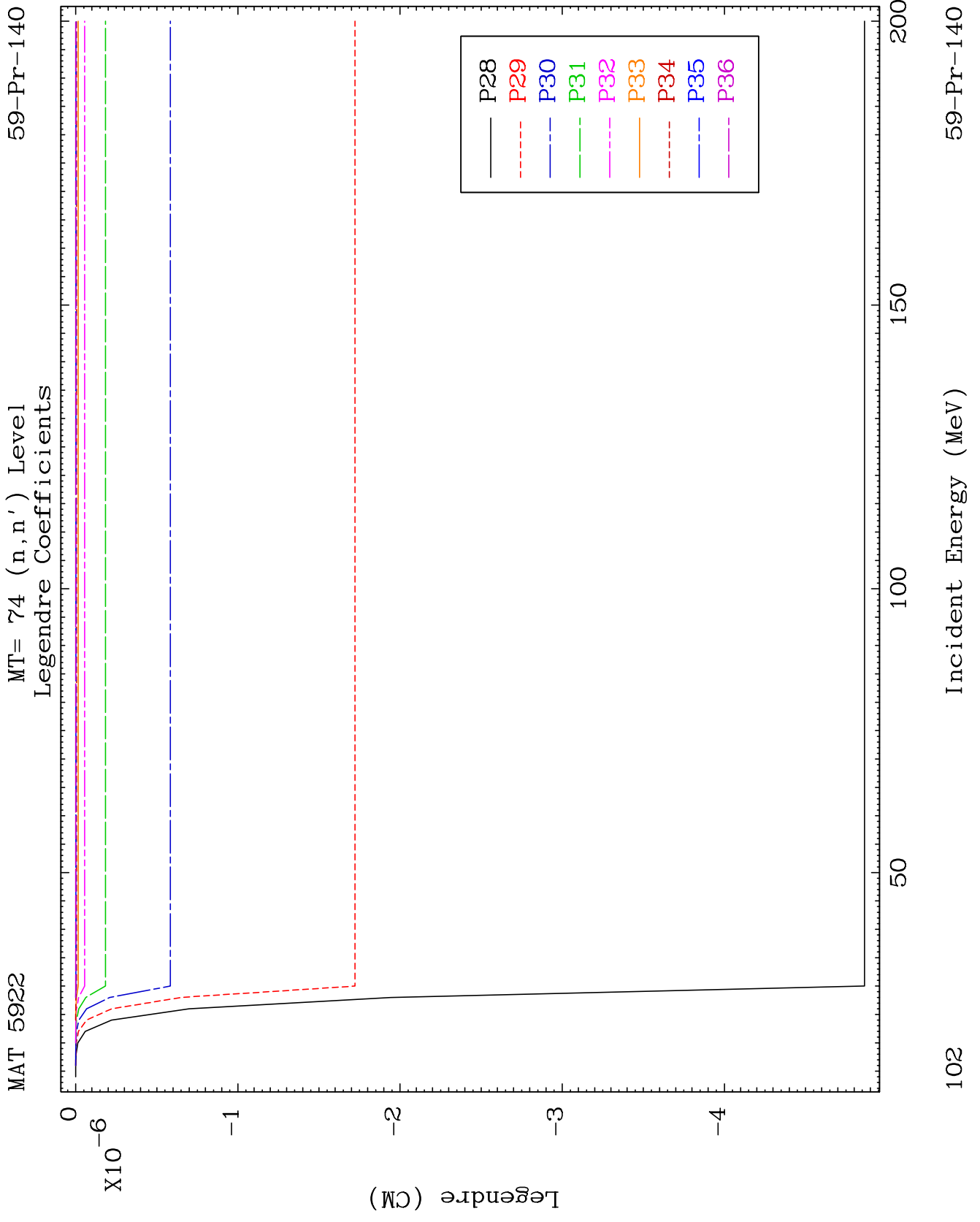
59-Pr-140

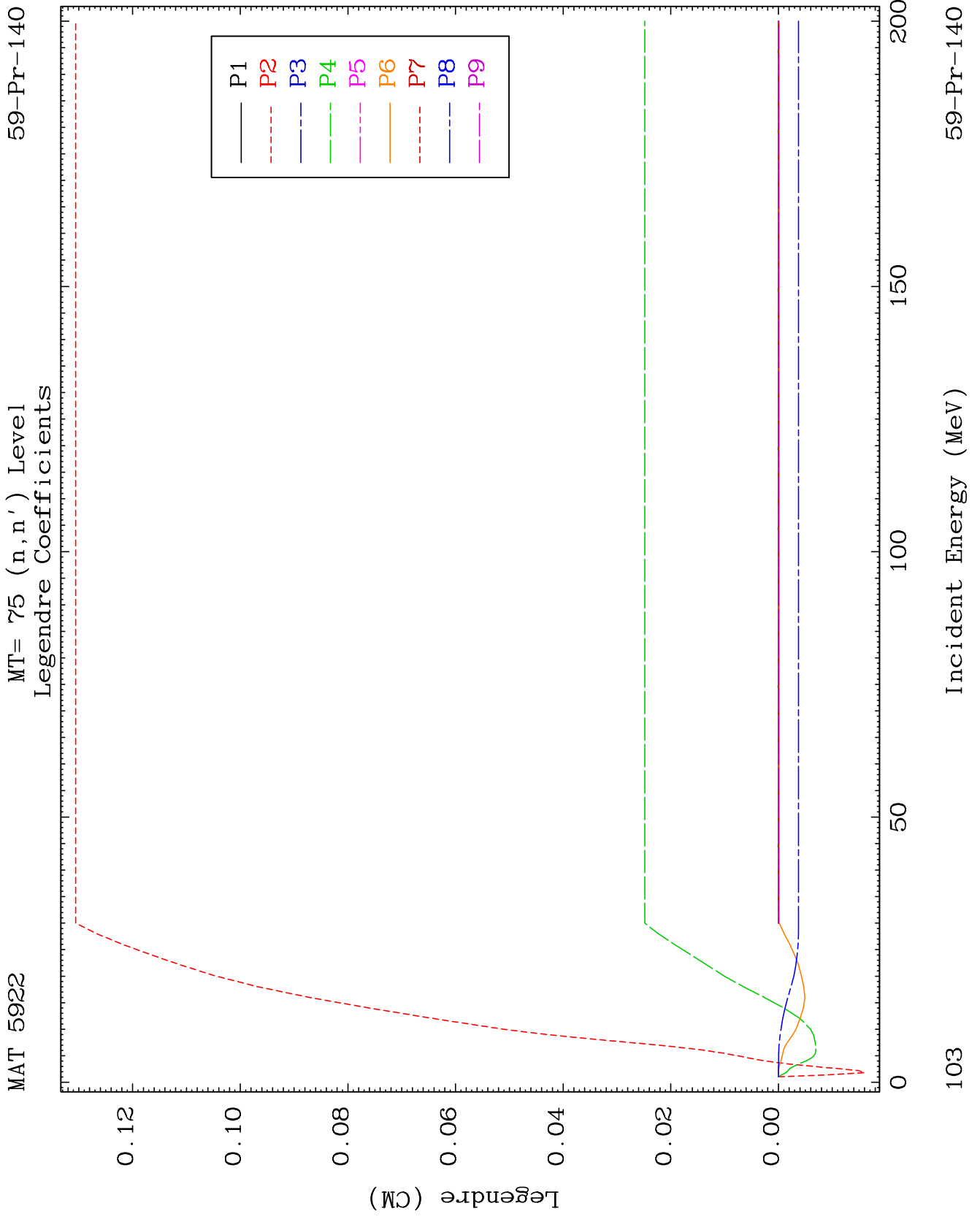


101

Incident Energy (MeV)

59-Pr-140

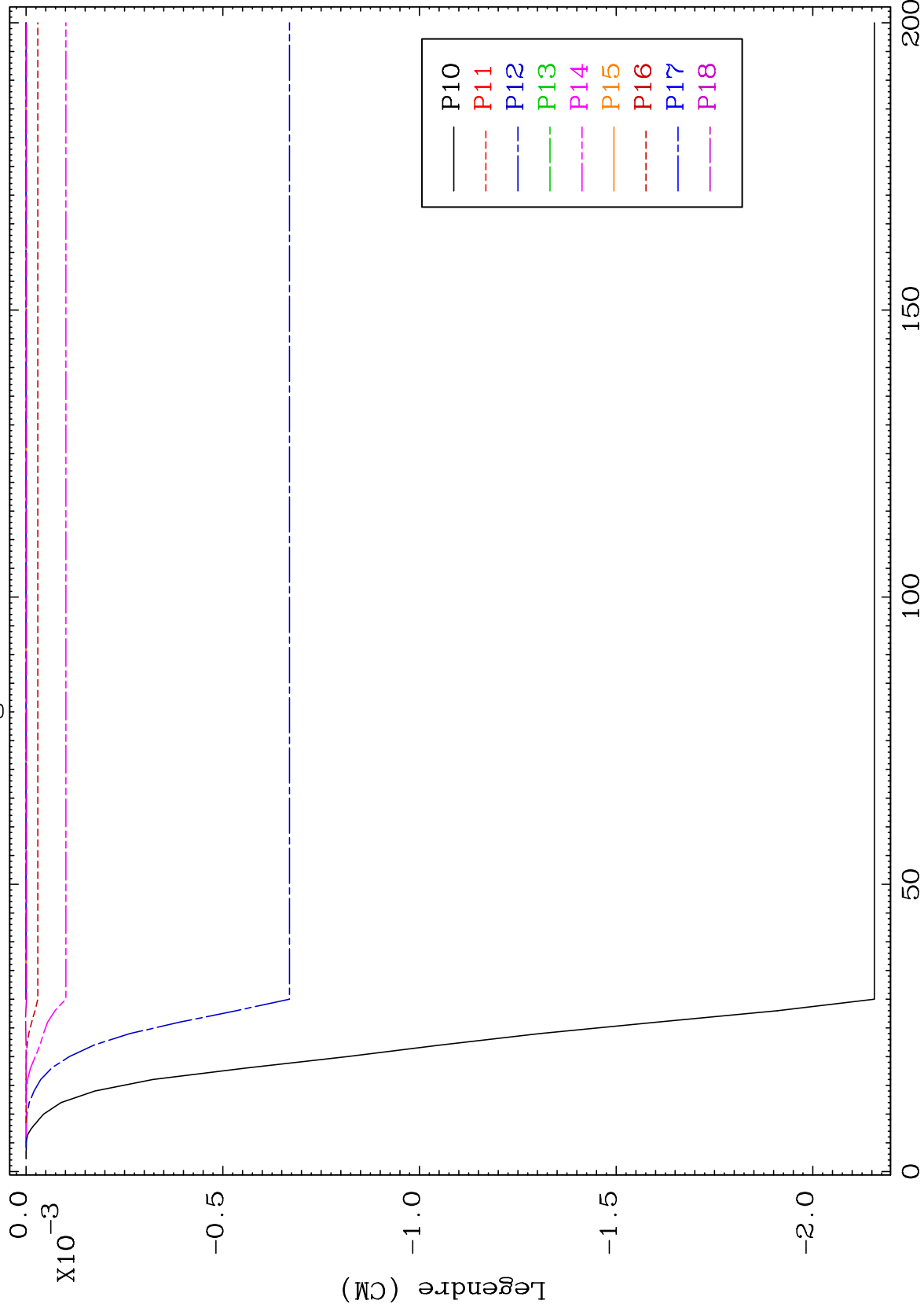




MAT 5922

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

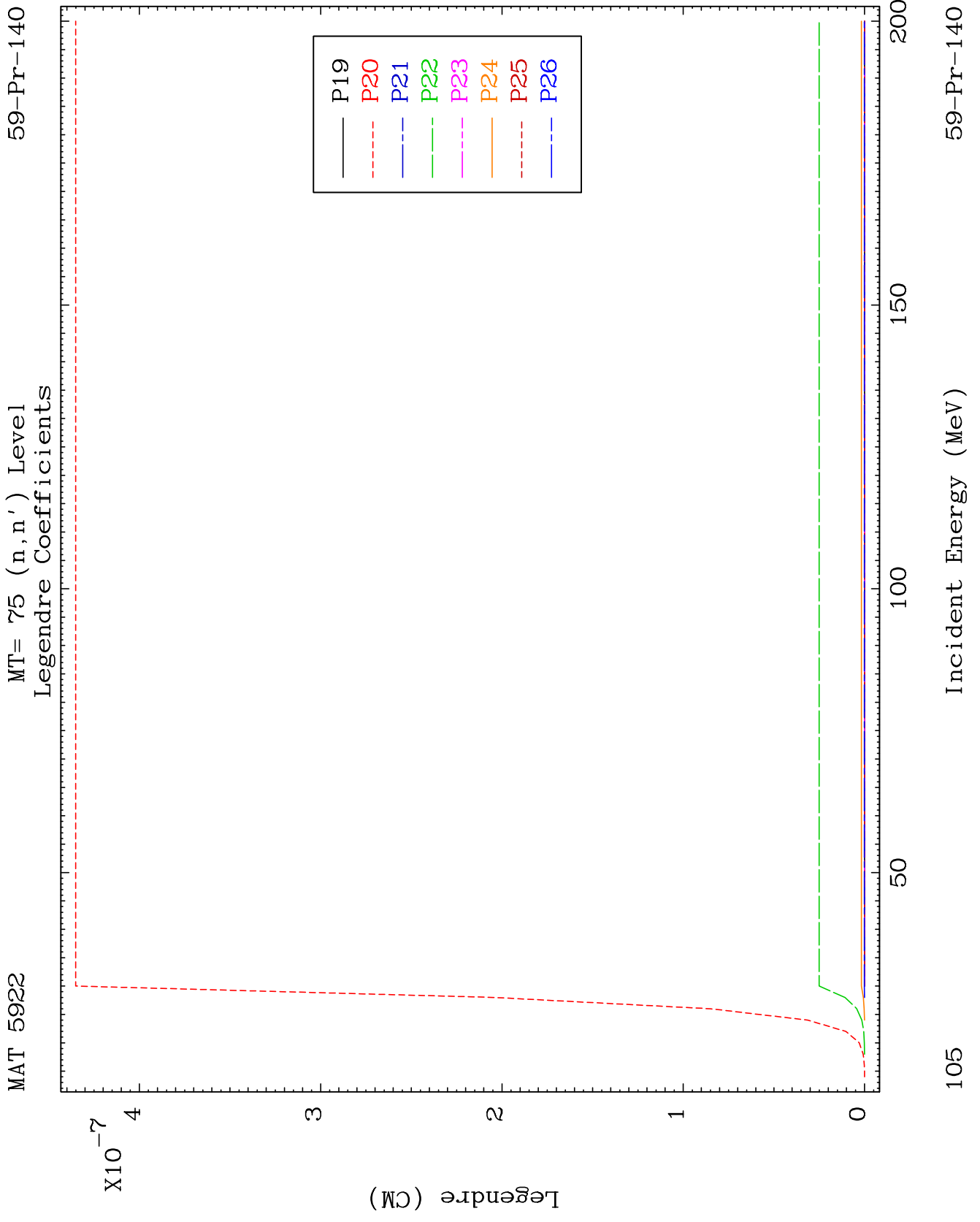
59-Pr-140

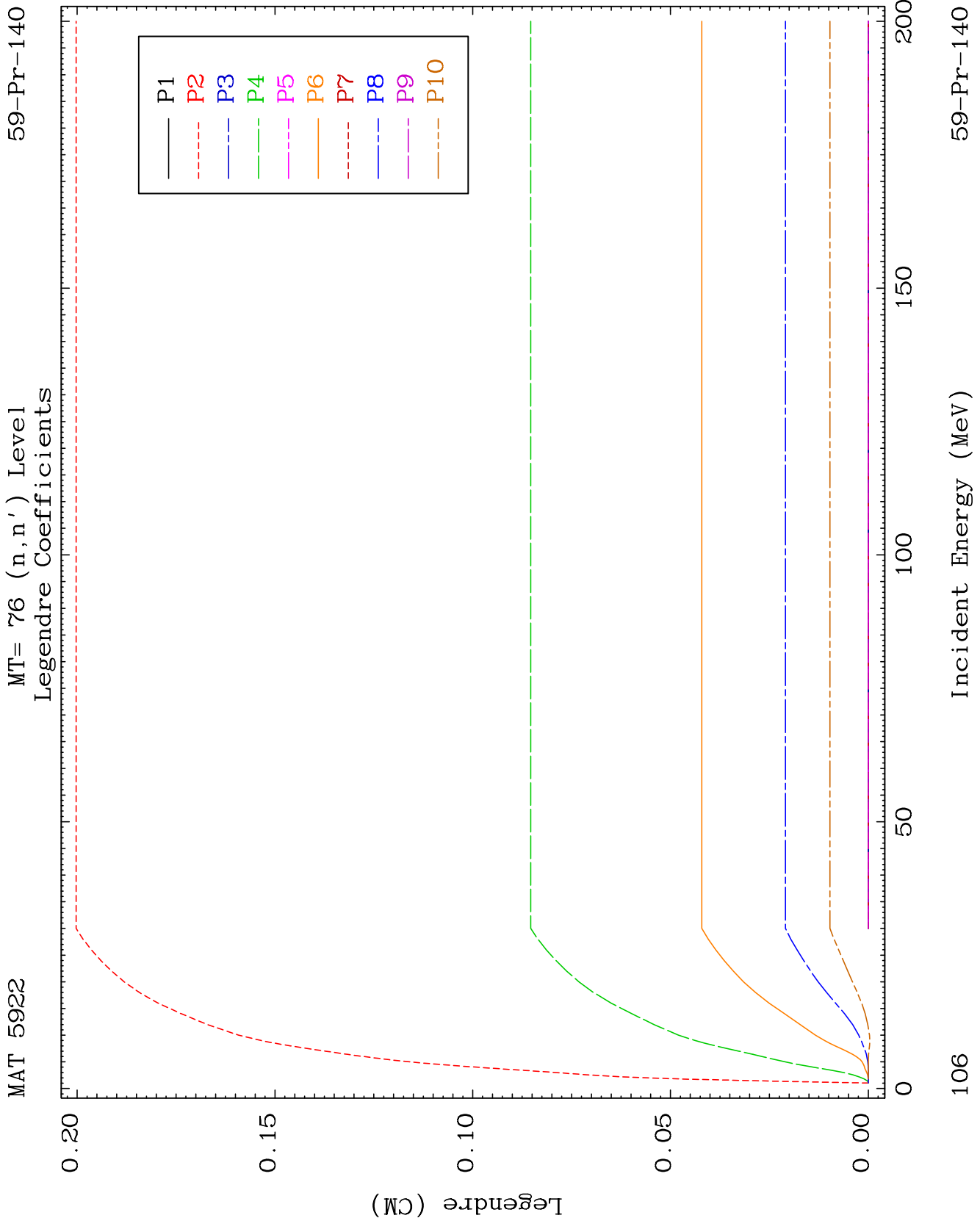


104

Incident Energy (MeV)

59-Pr-140

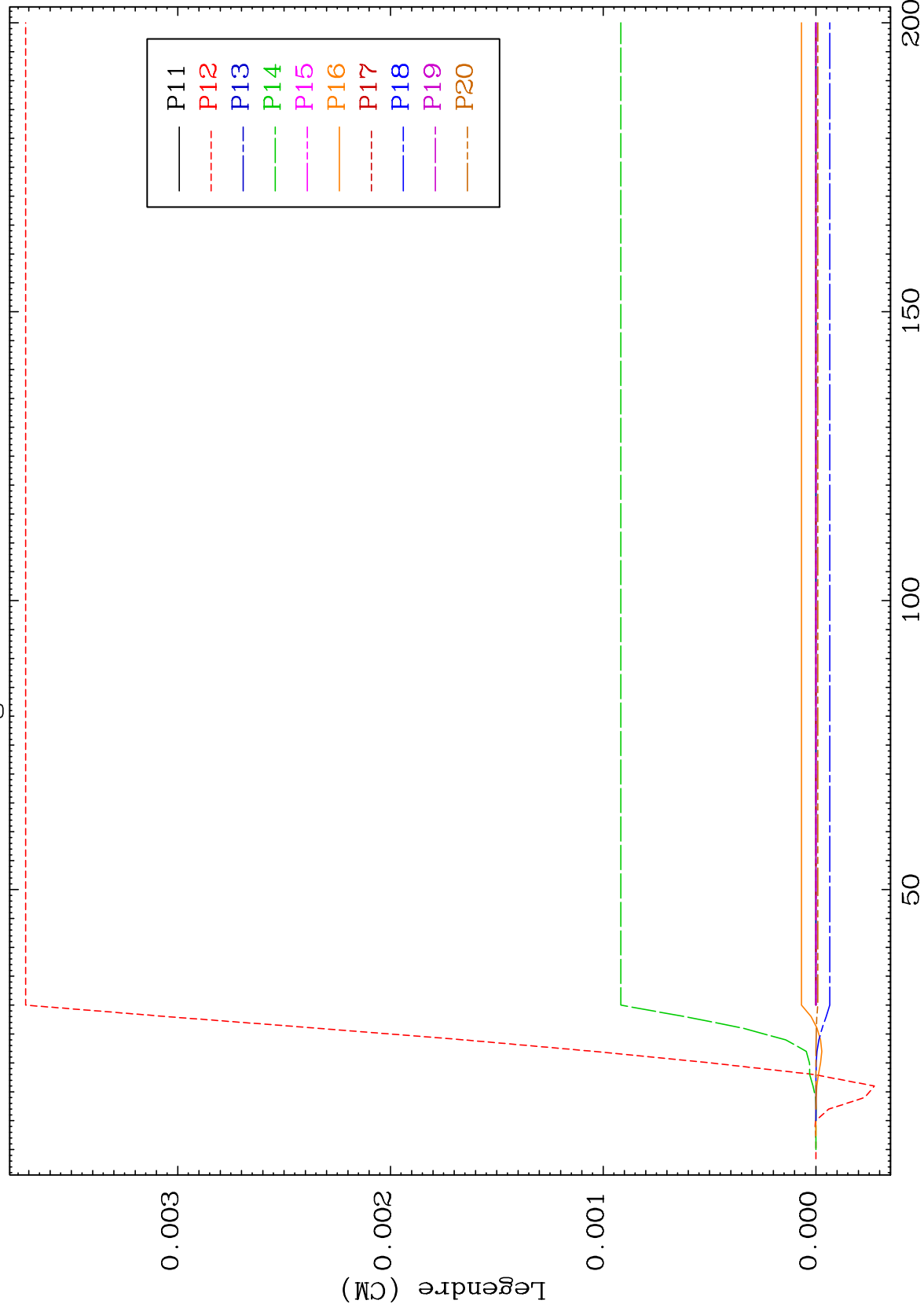




MAT 5922

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

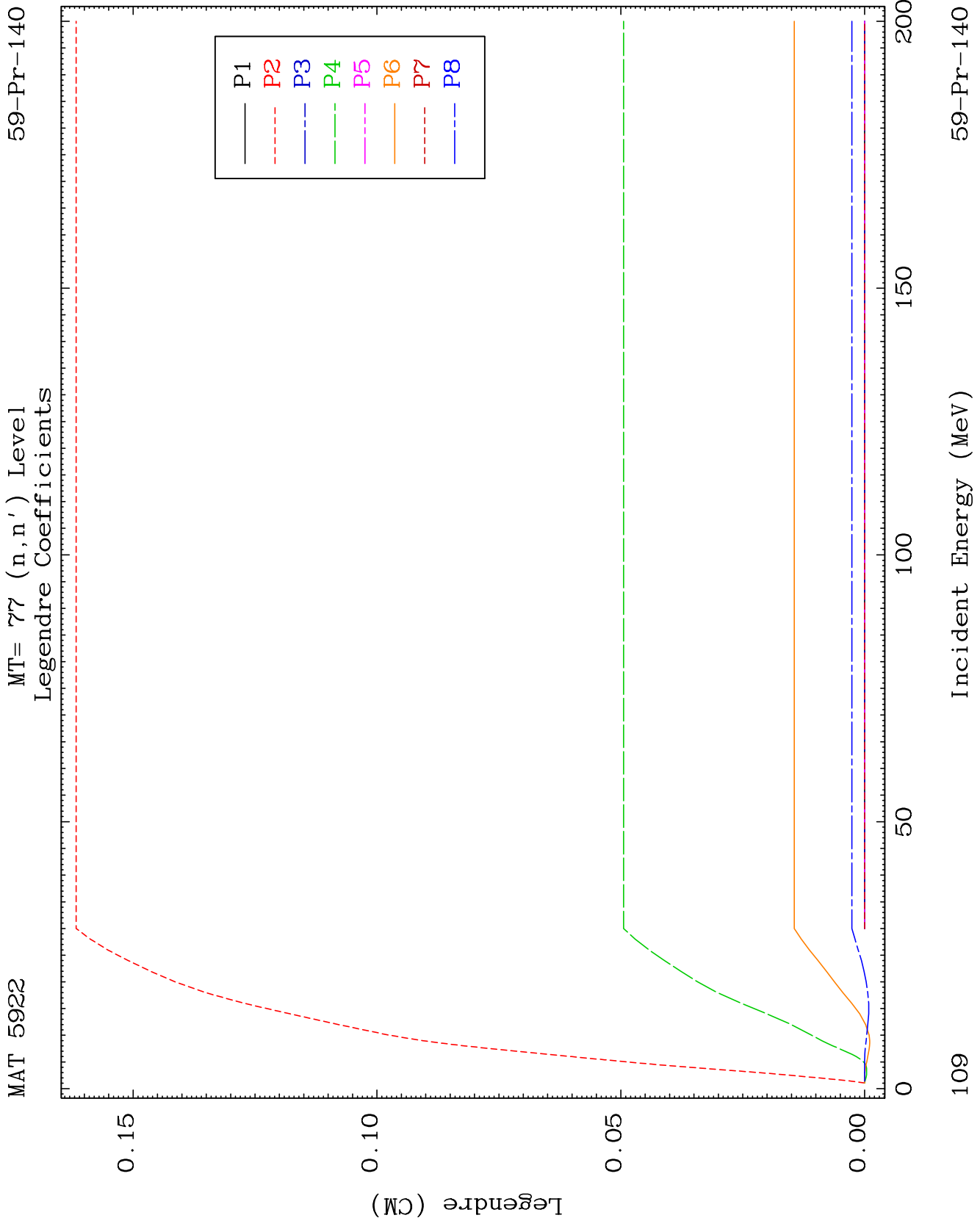
59-Pr-140



107

Incident Energy (MeV)

59-Pr-140

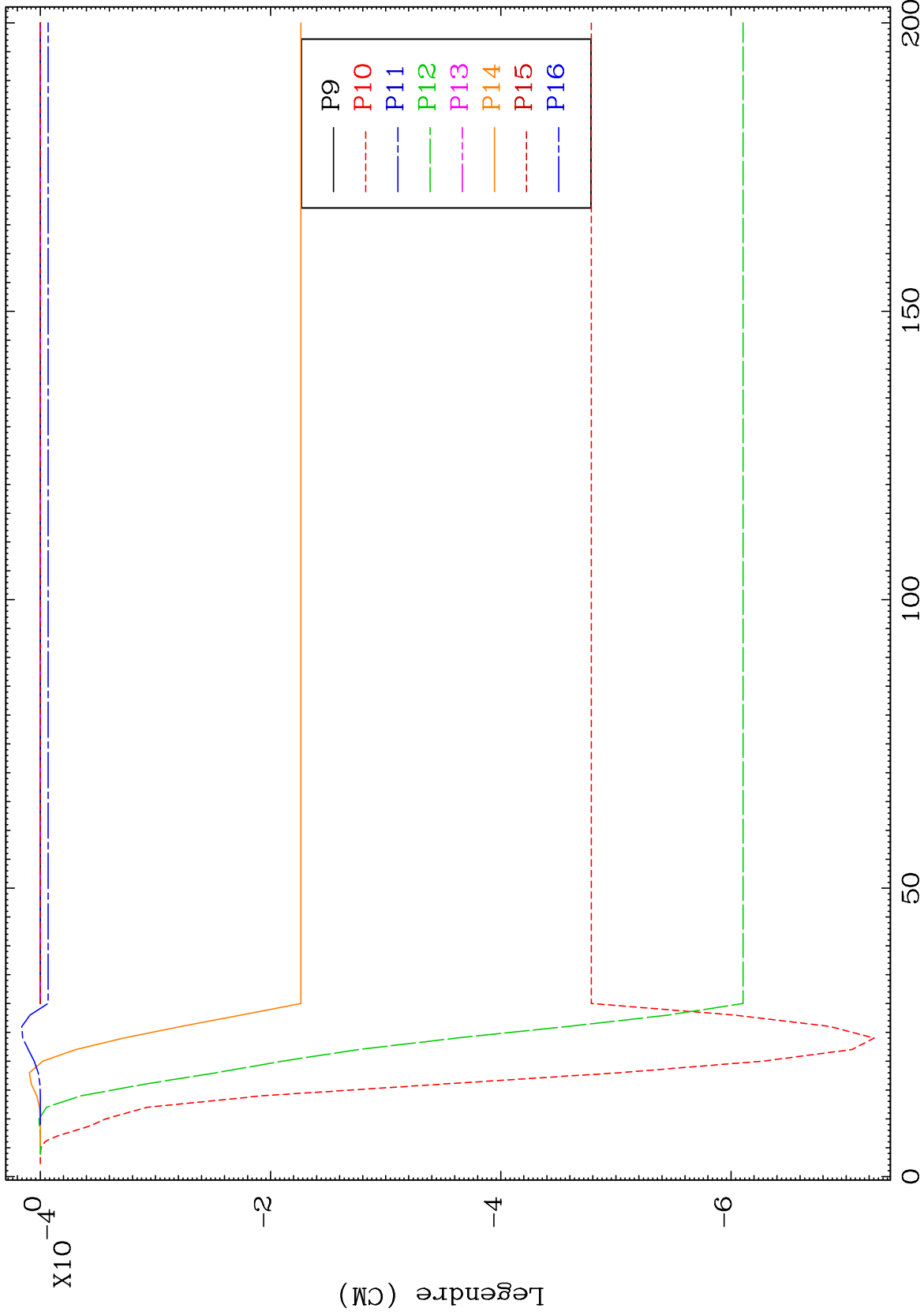


MAT 5922

MT= 77 (n,n') Level

59-Pr-140

Legendre Coefficients



0

10

20

30

40

50

60

70

80

90

100

110

120

130

140

150

160

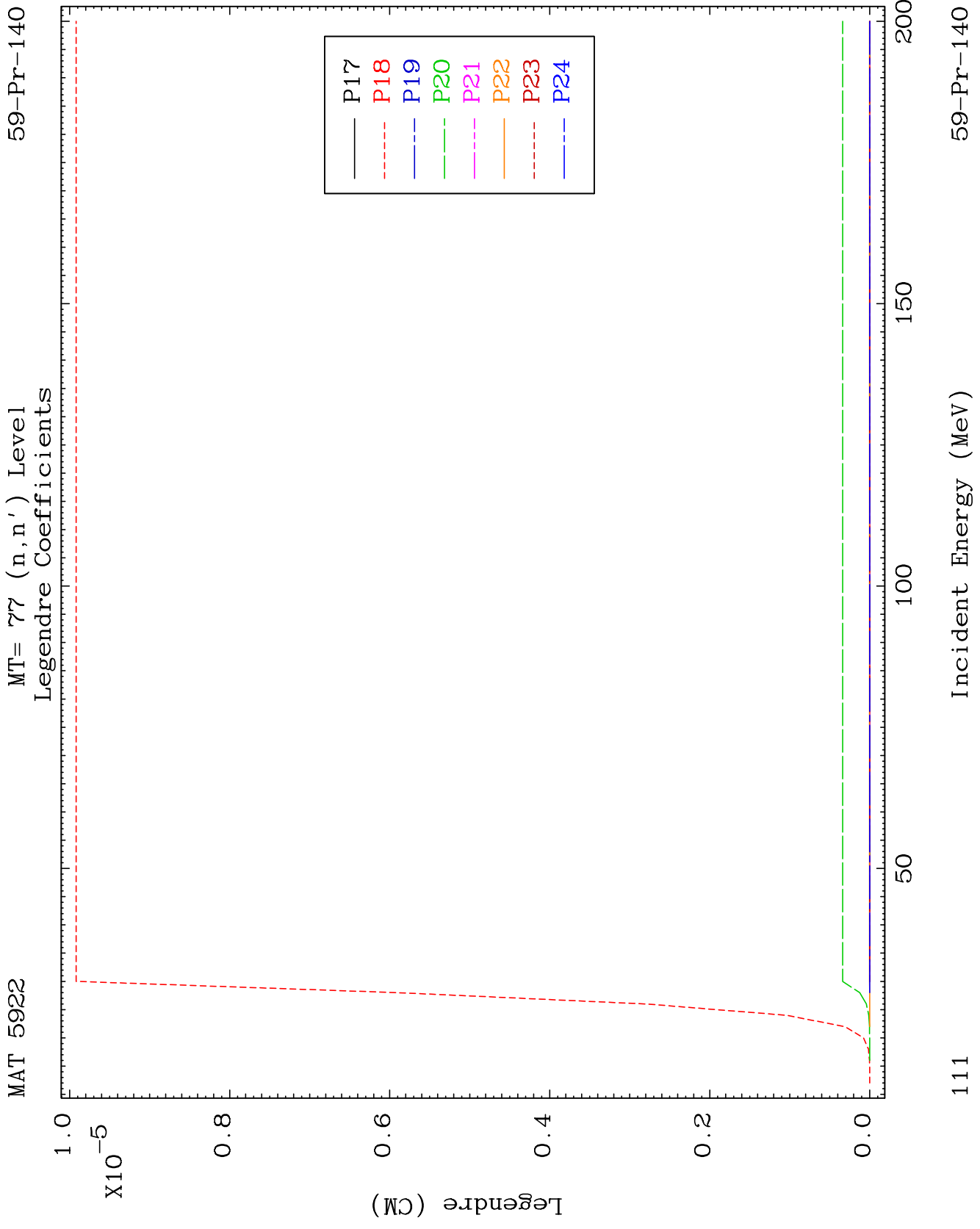
170

180

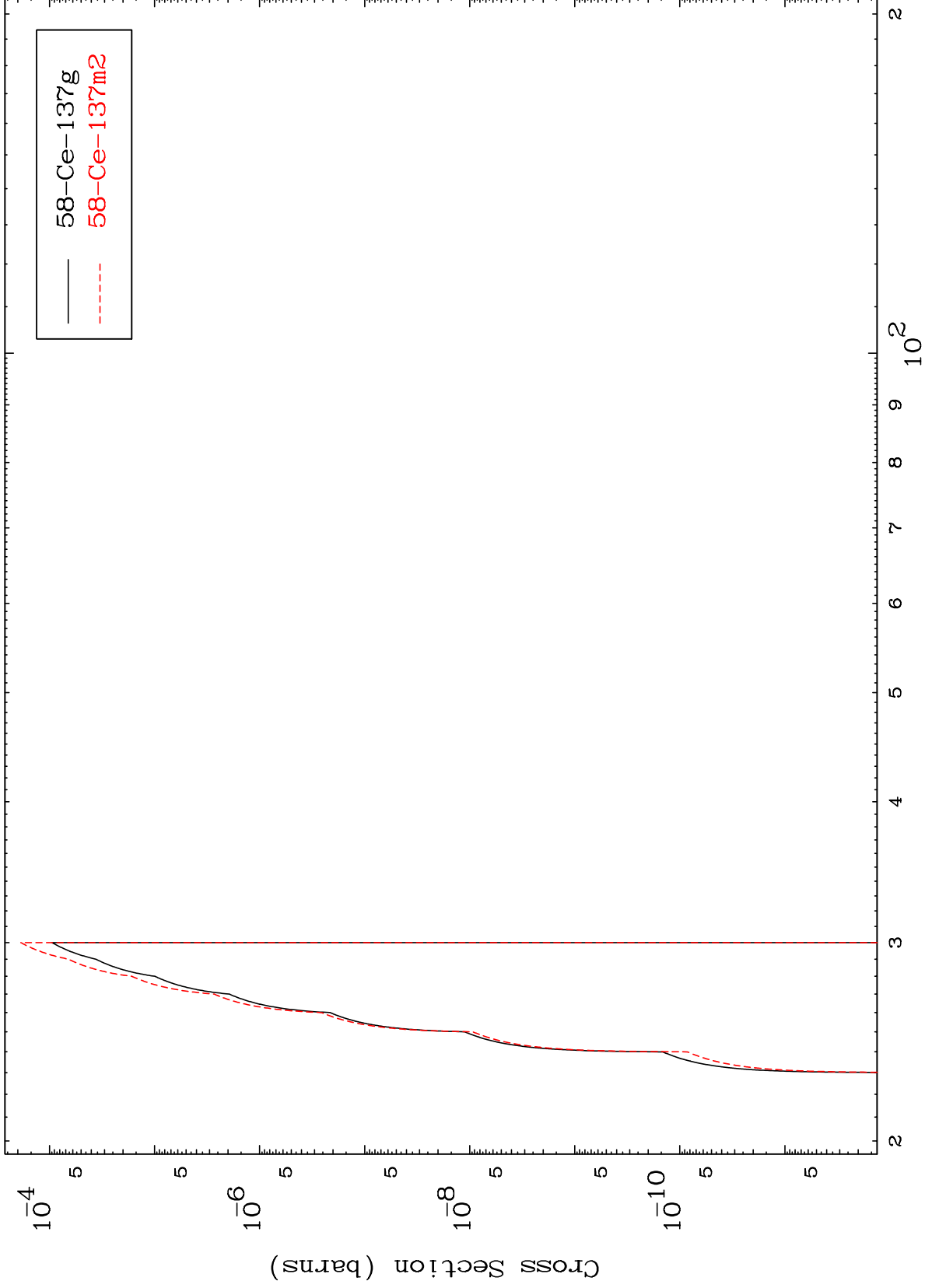
190

200

59-Pr-140



Radionuclide Production Cross Section

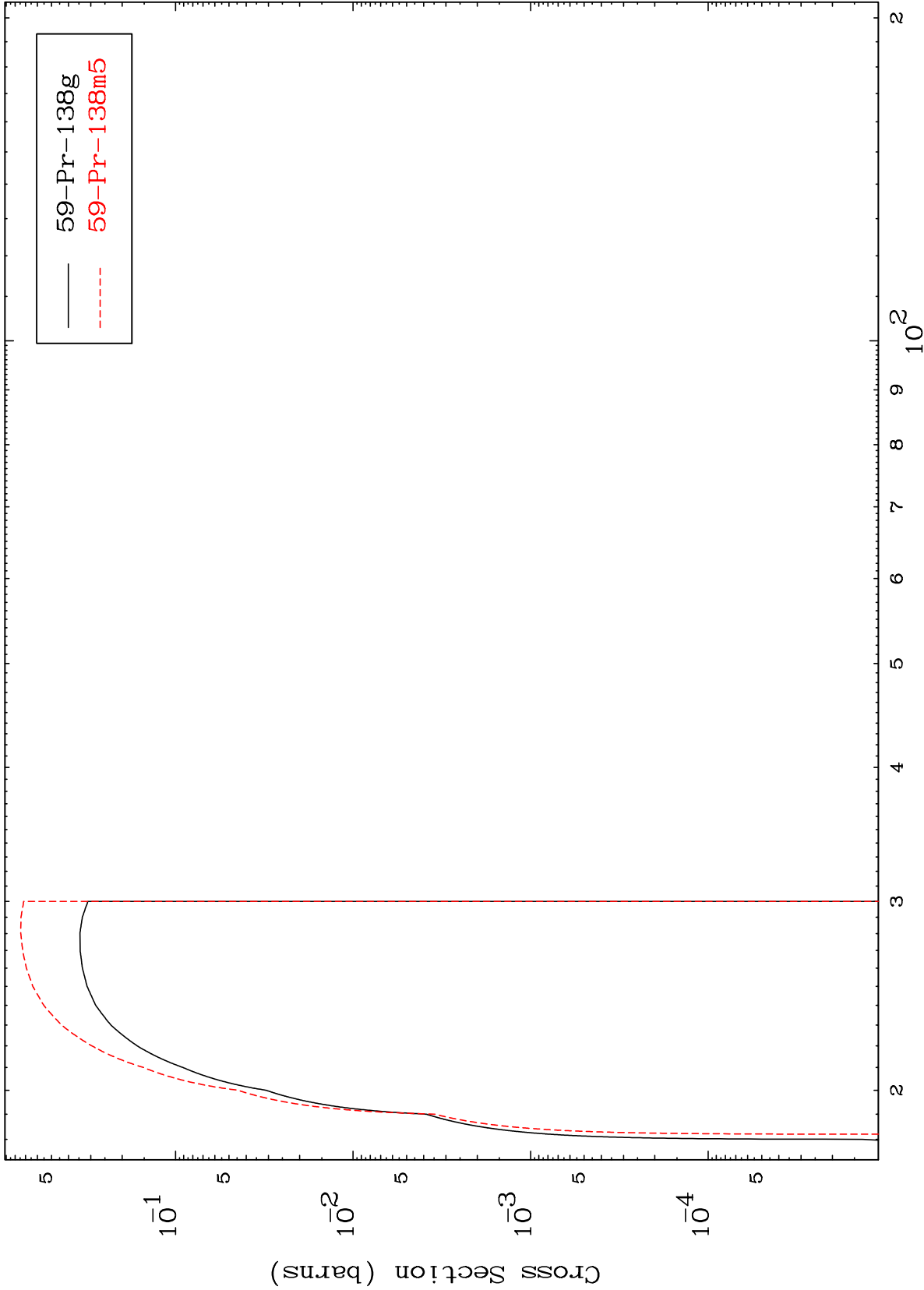


MAT 5922

(n,3n)

59-Pr-140

Radionuclide Production Cross Section



113

Incident Energy (MeV)

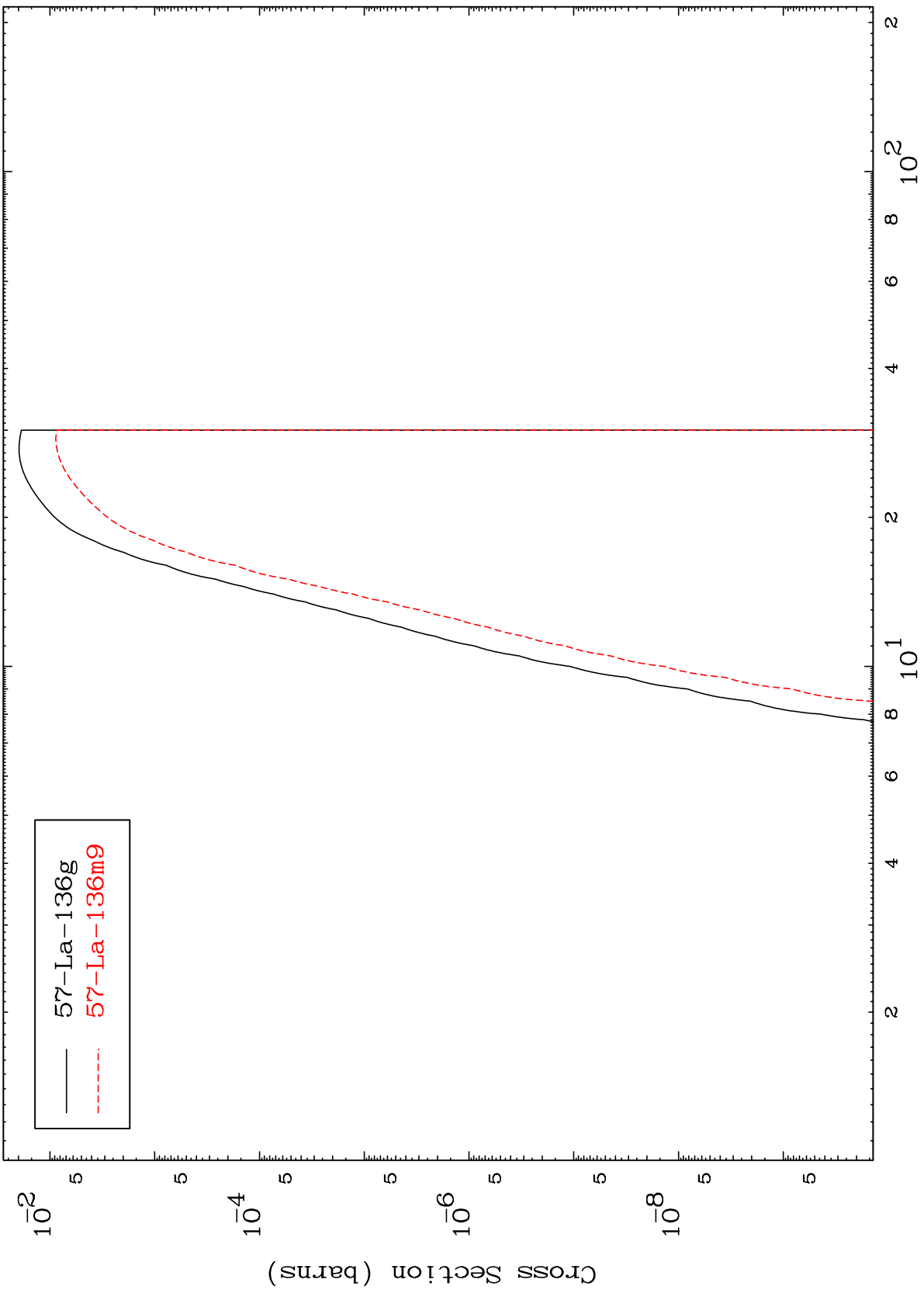
59-Pr-140

MAT 5922

$(n, n') \alpha$

59-Pr-140

Radionuclide Production Cross Section



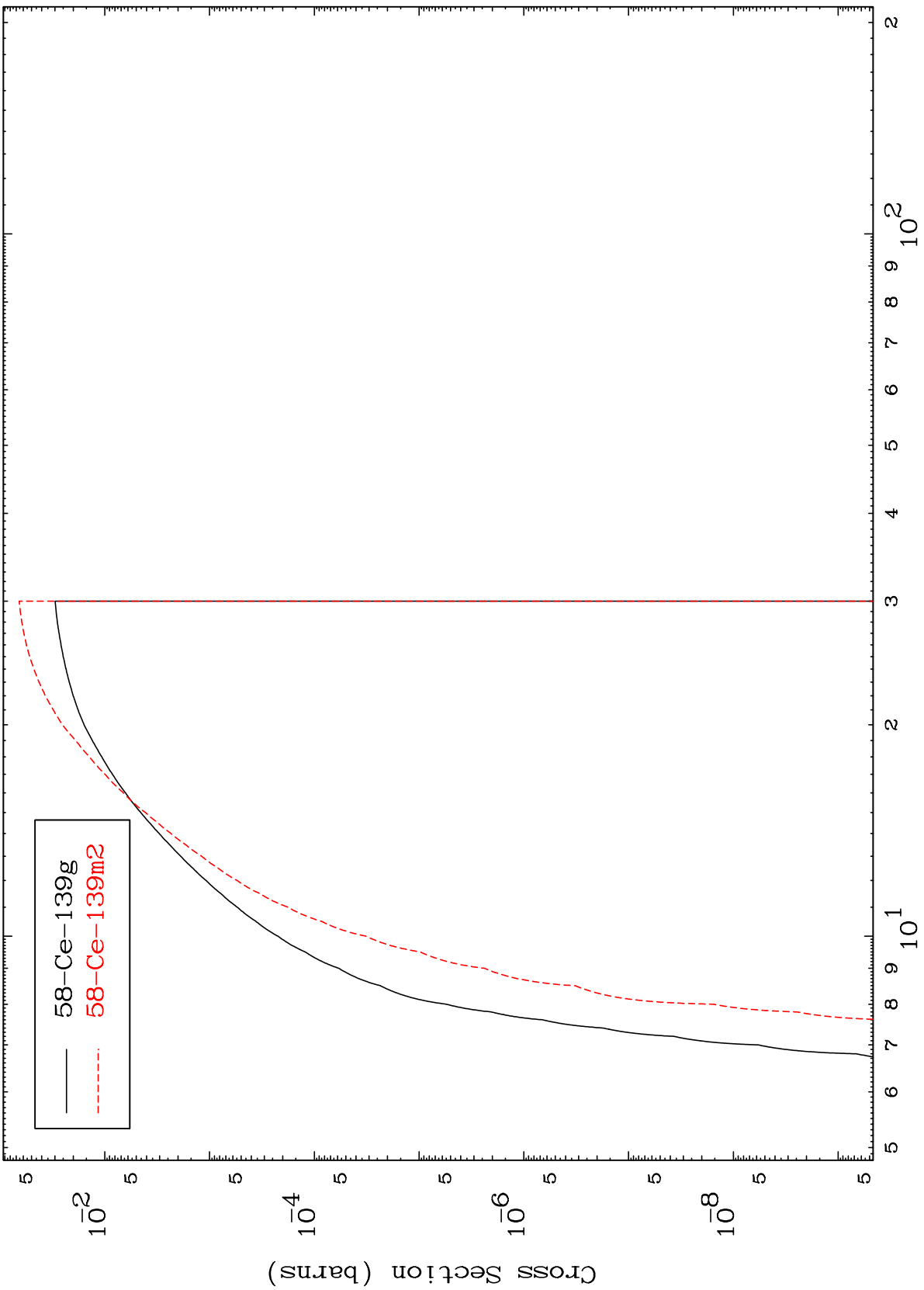
— 57-La-136g
- - - 57-La-136m9

MAT 5922

(n,n') p

59-Pr-140

Radionuclide Production Cross Section

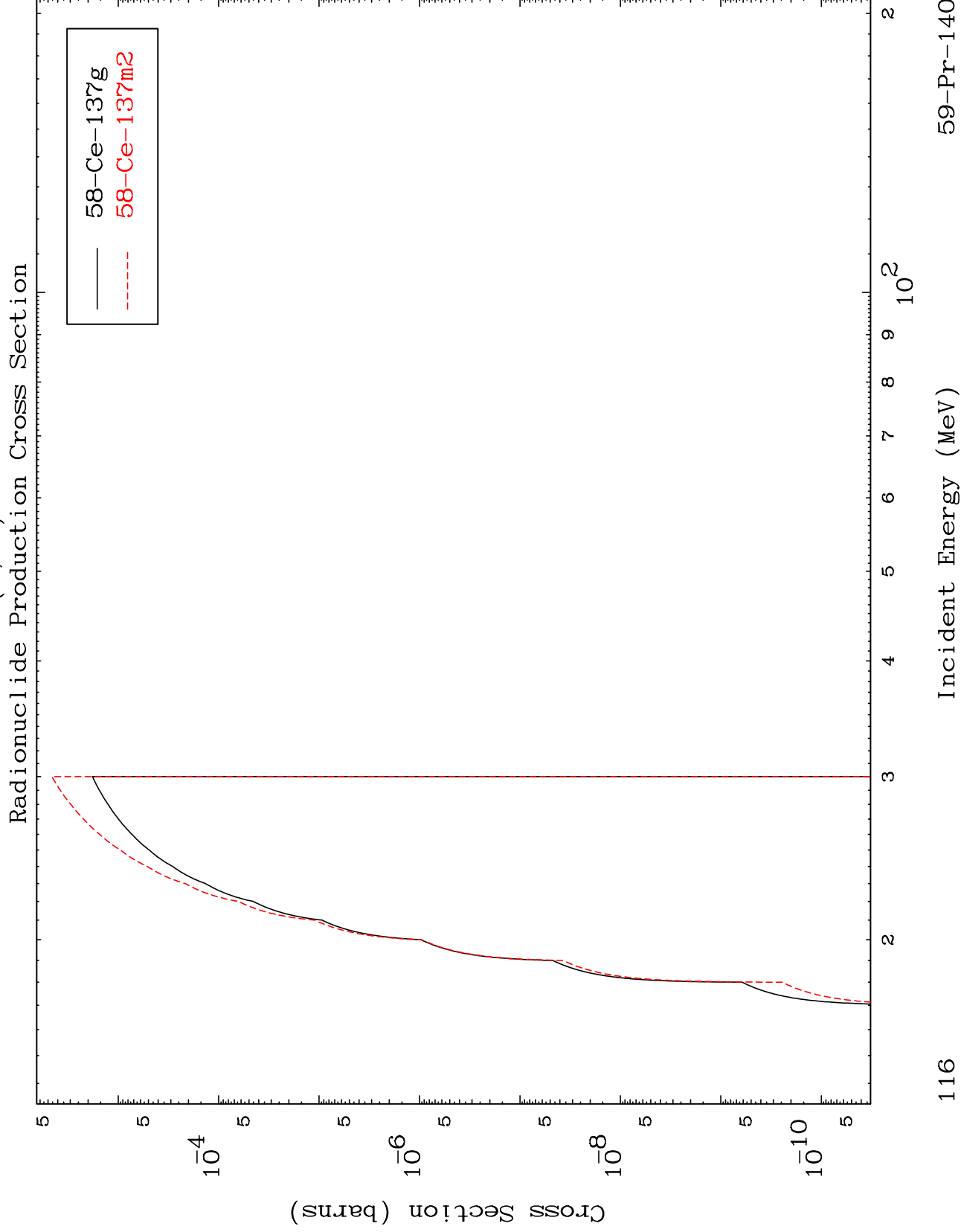


58-Ce-139g
58-Ce-139m2

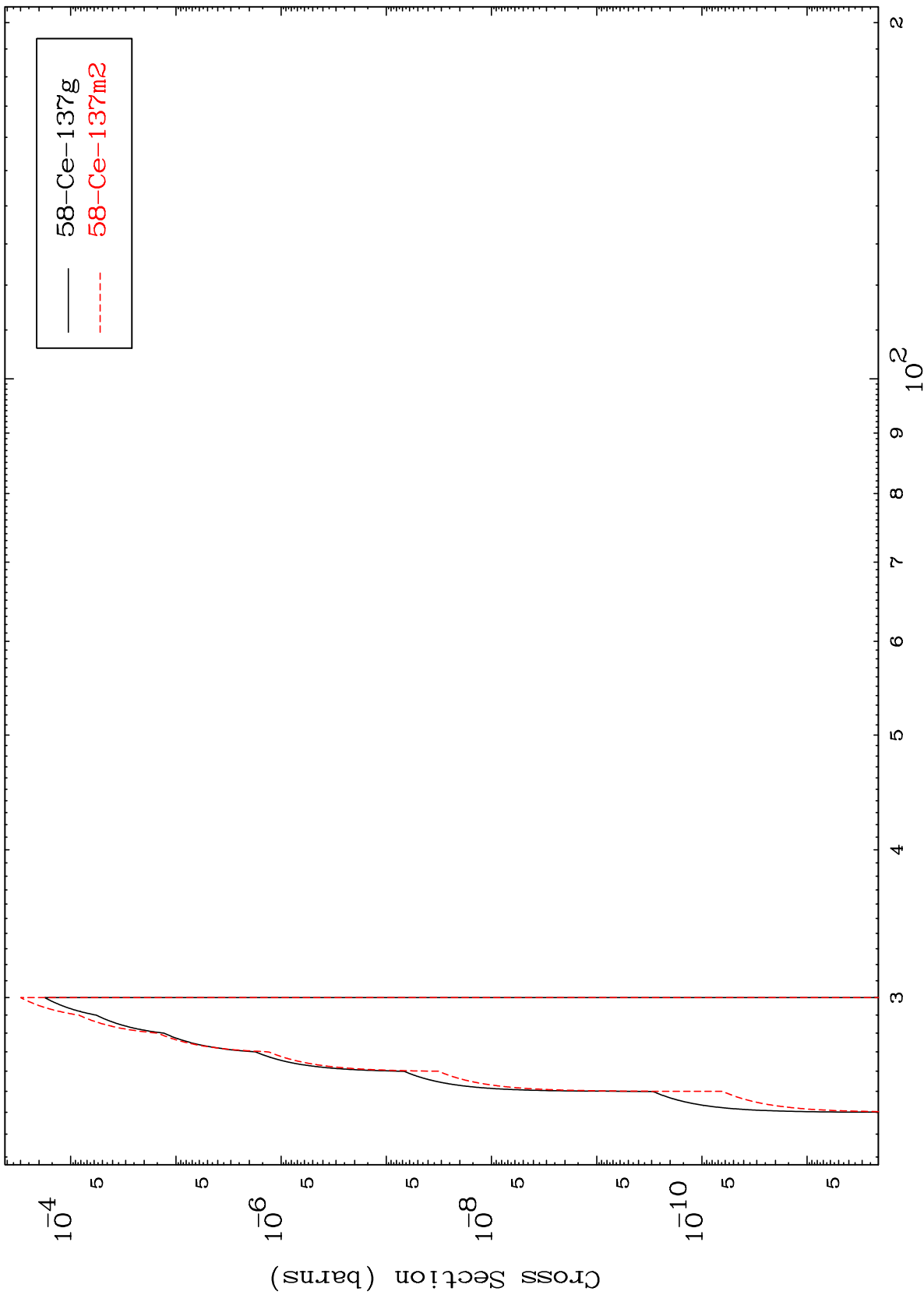
115

Incident Energy (MeV)

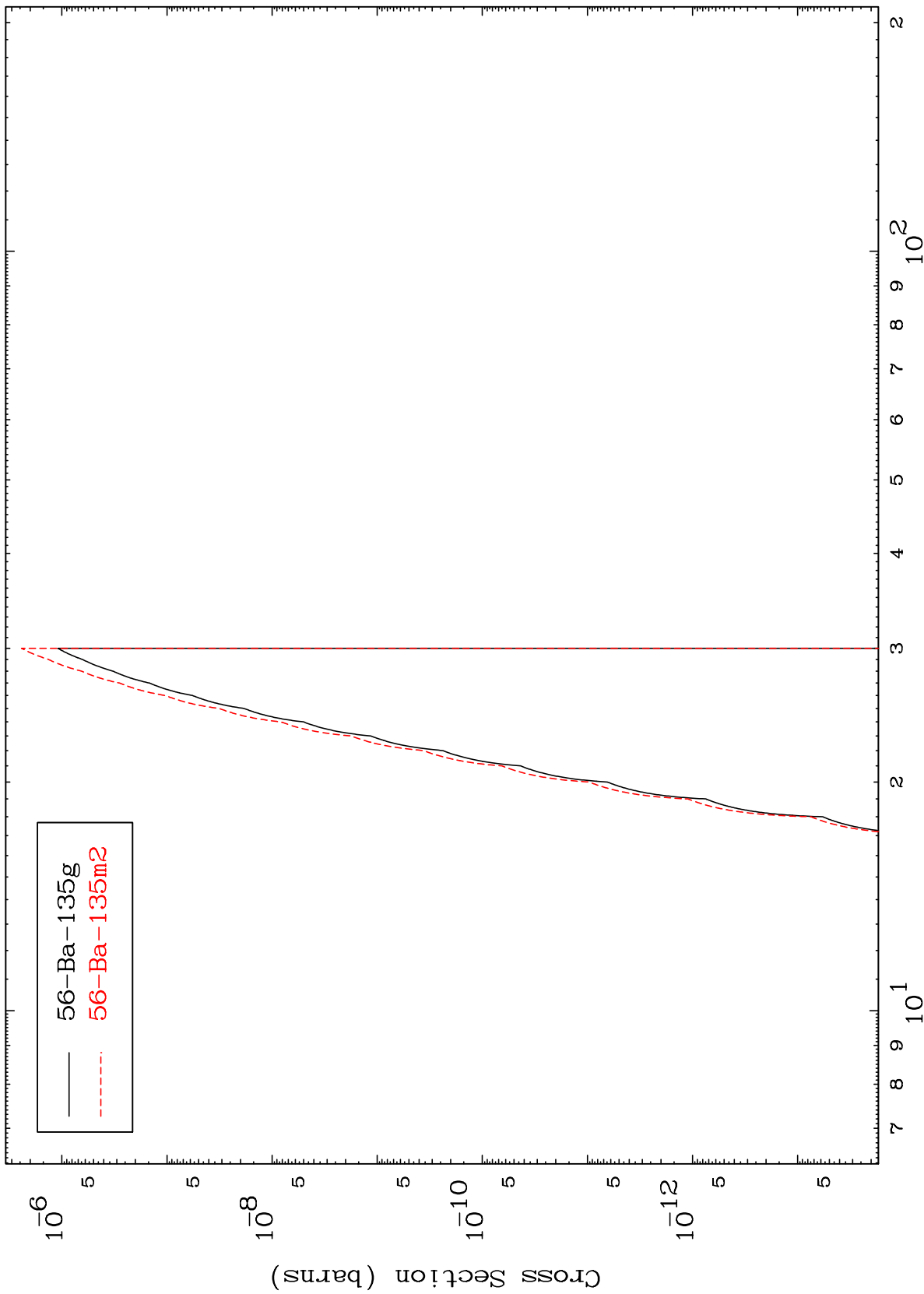
59-Pr-140



Radionuclide Production Cross Section



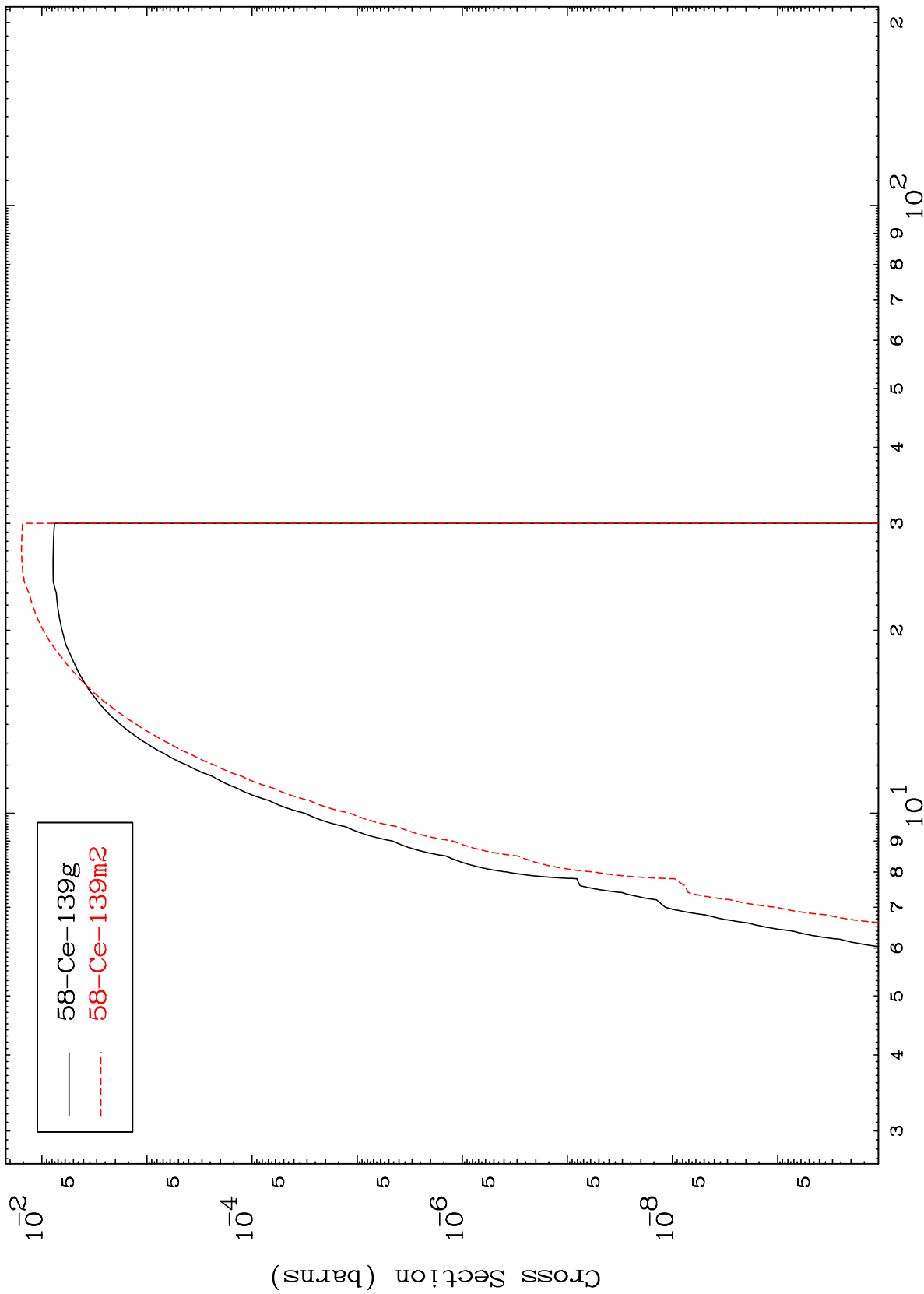
Radionuclide Production Cross Section



MAT 5922

59-Pr-140

(n,d)
Radionuclide Production Cross Section



119

Incident Energy (MeV)

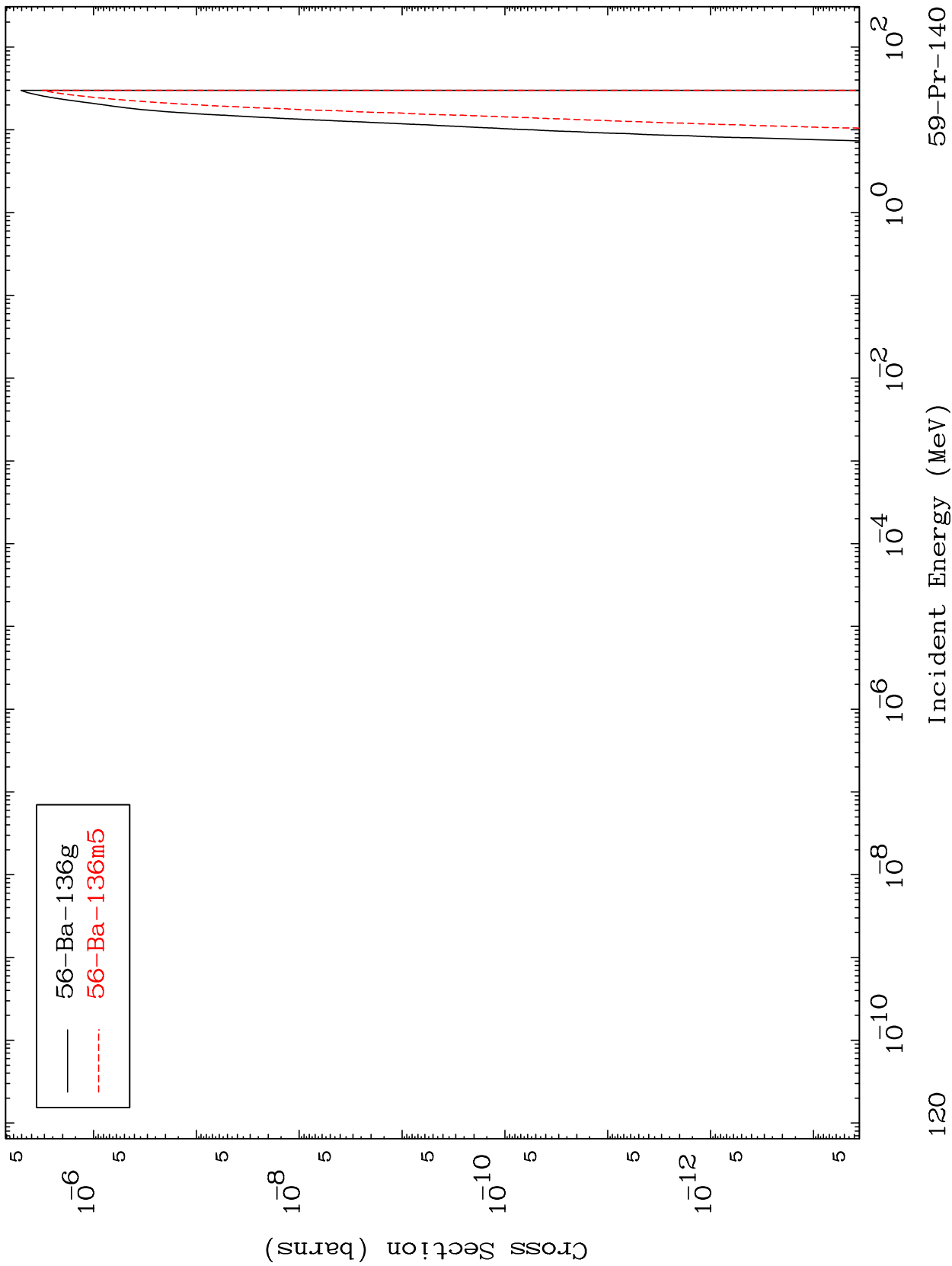
59-Pr-140

MAT 5922

(n,p) α

59-Pr-140

Radionuclide Production Cross Section



120

Incident Energy (MeV)

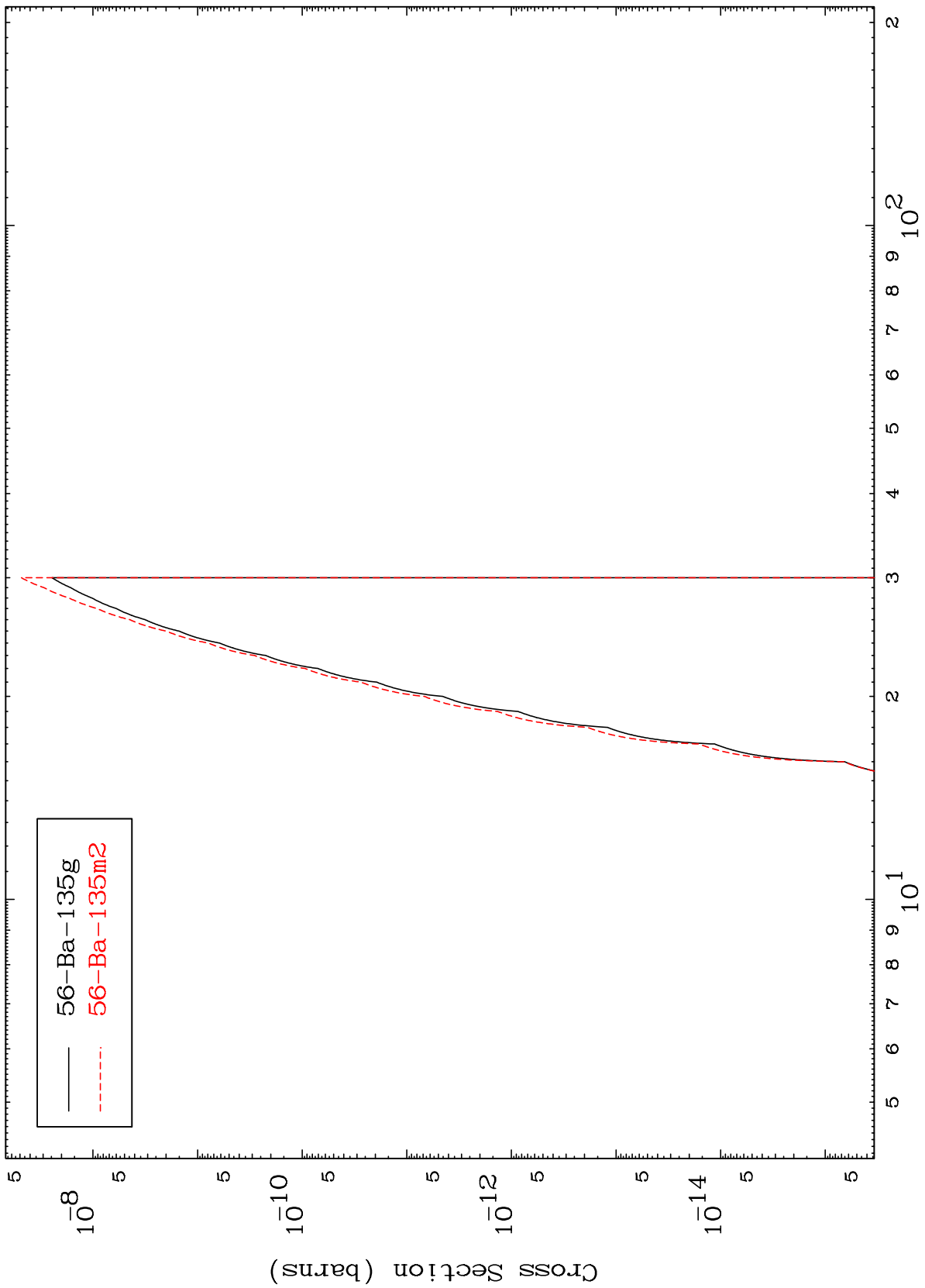
59-Pr-140

MAT 5922

(n,d) α

59-Pr-140

Radionuclide Production Cross Section



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

121

Incident Energy (MeV)

59-Pr-140