

Program EVALPLOT  
(Version 2015-2)

by

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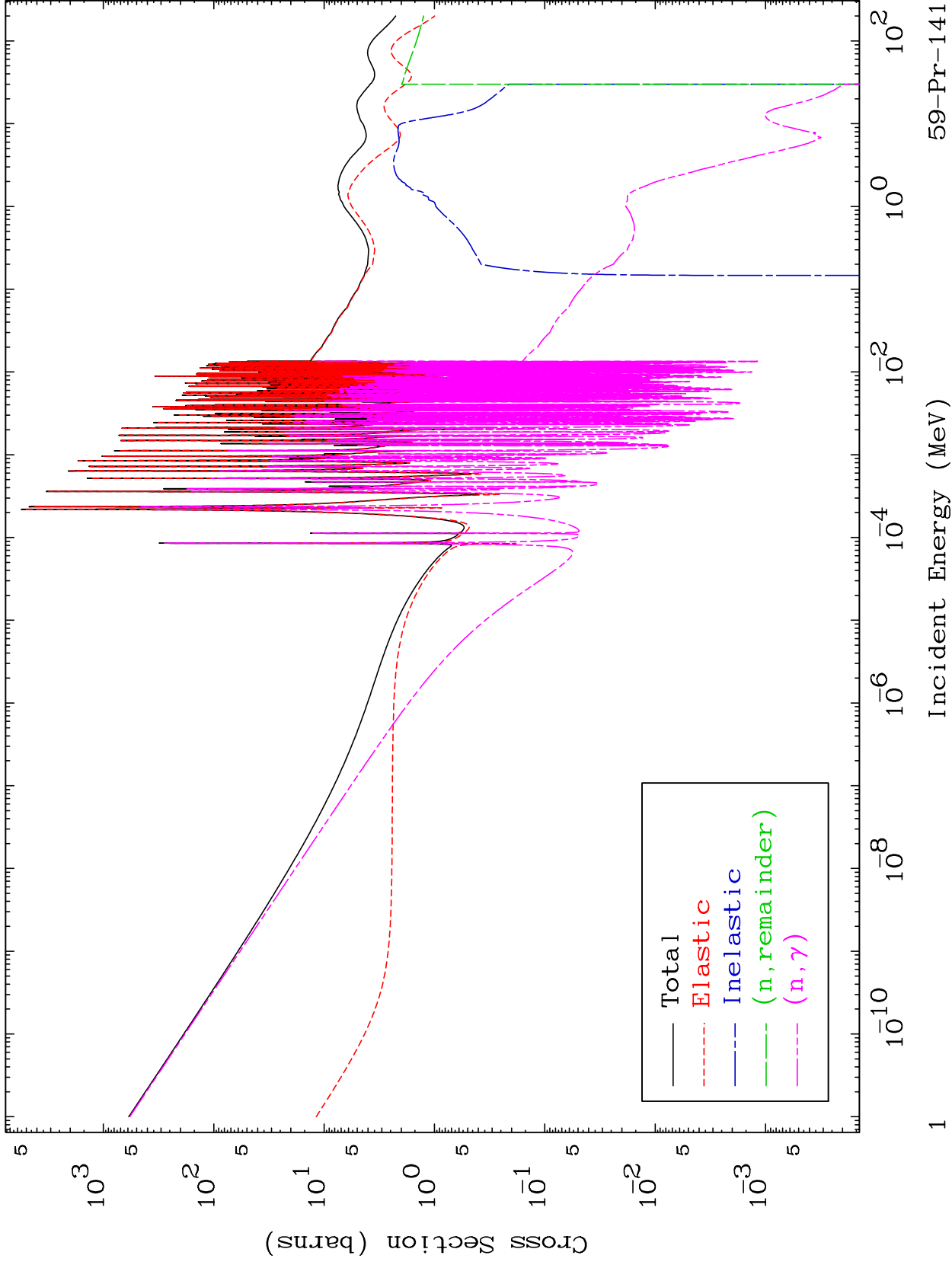
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

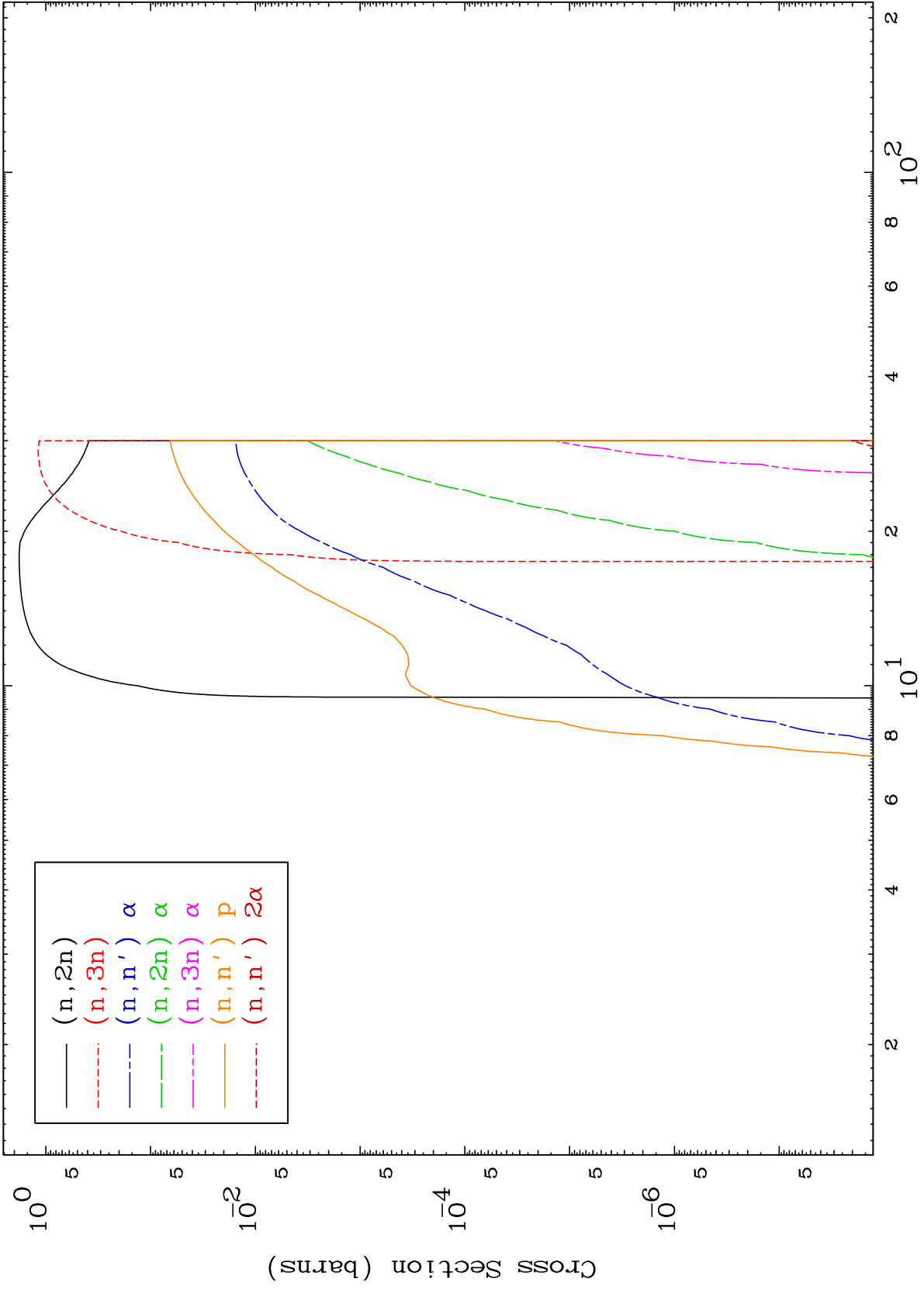
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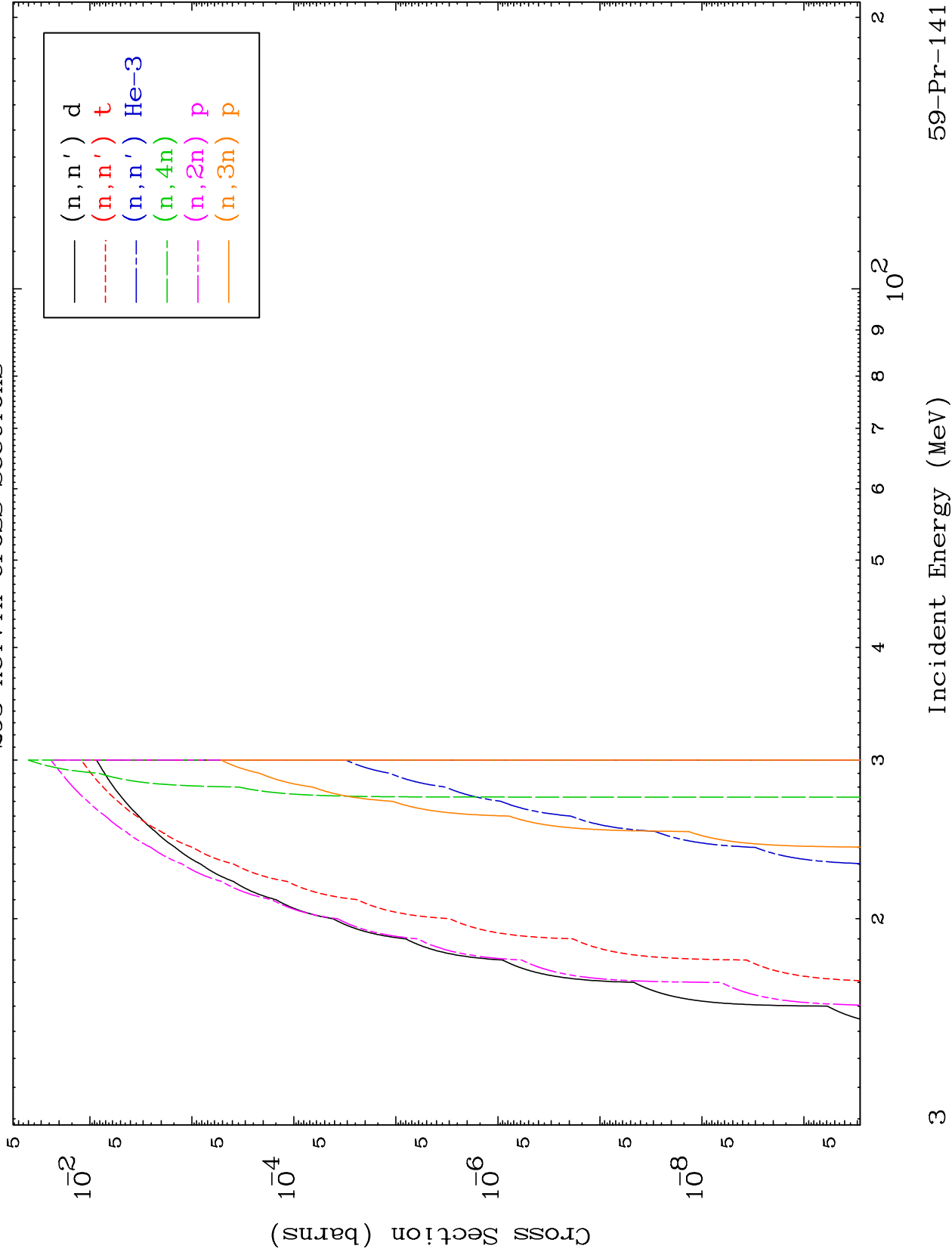
MAT 5925

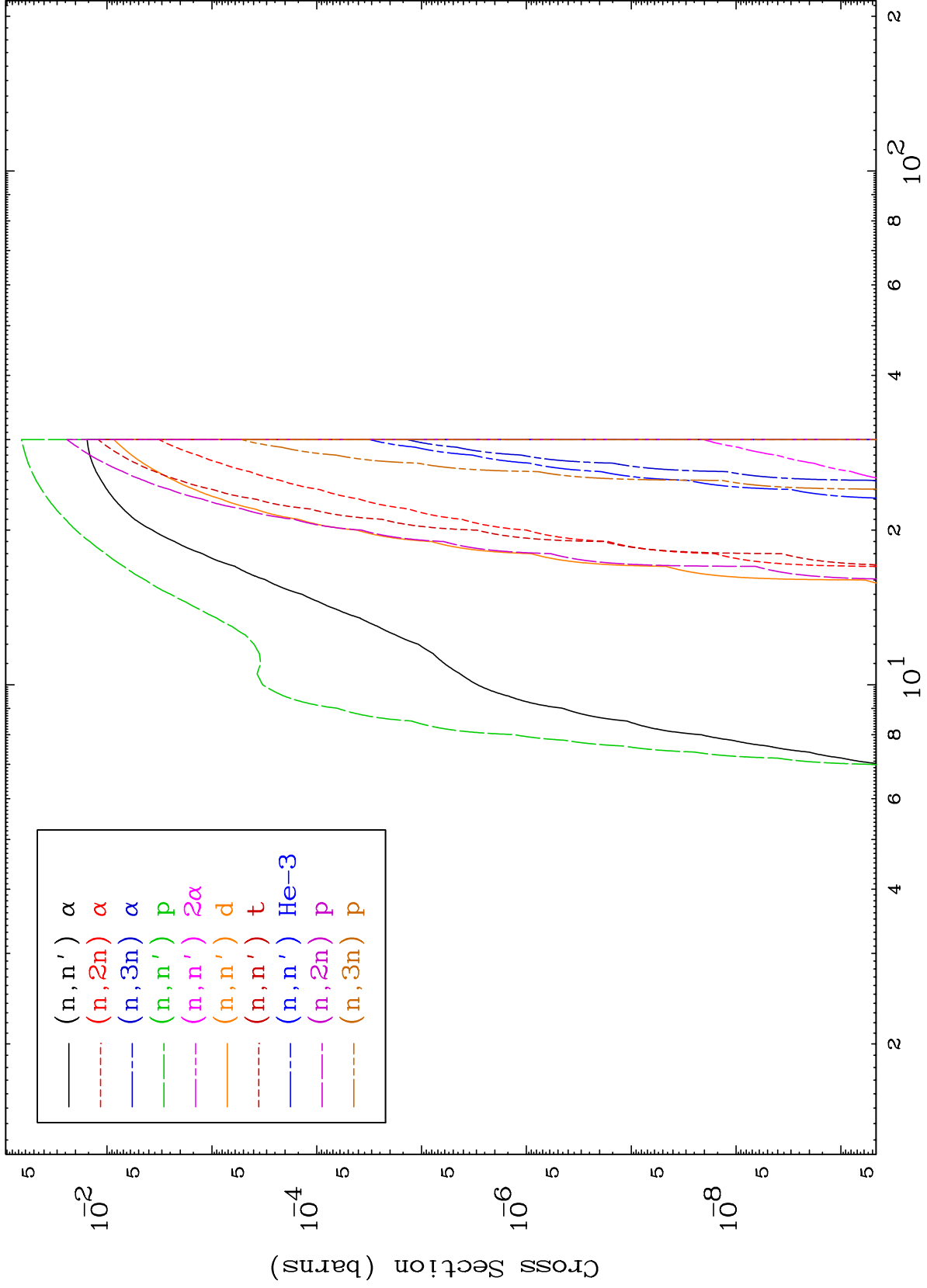
Major  
293 Kelvin Cross Sections

59-Pr-141





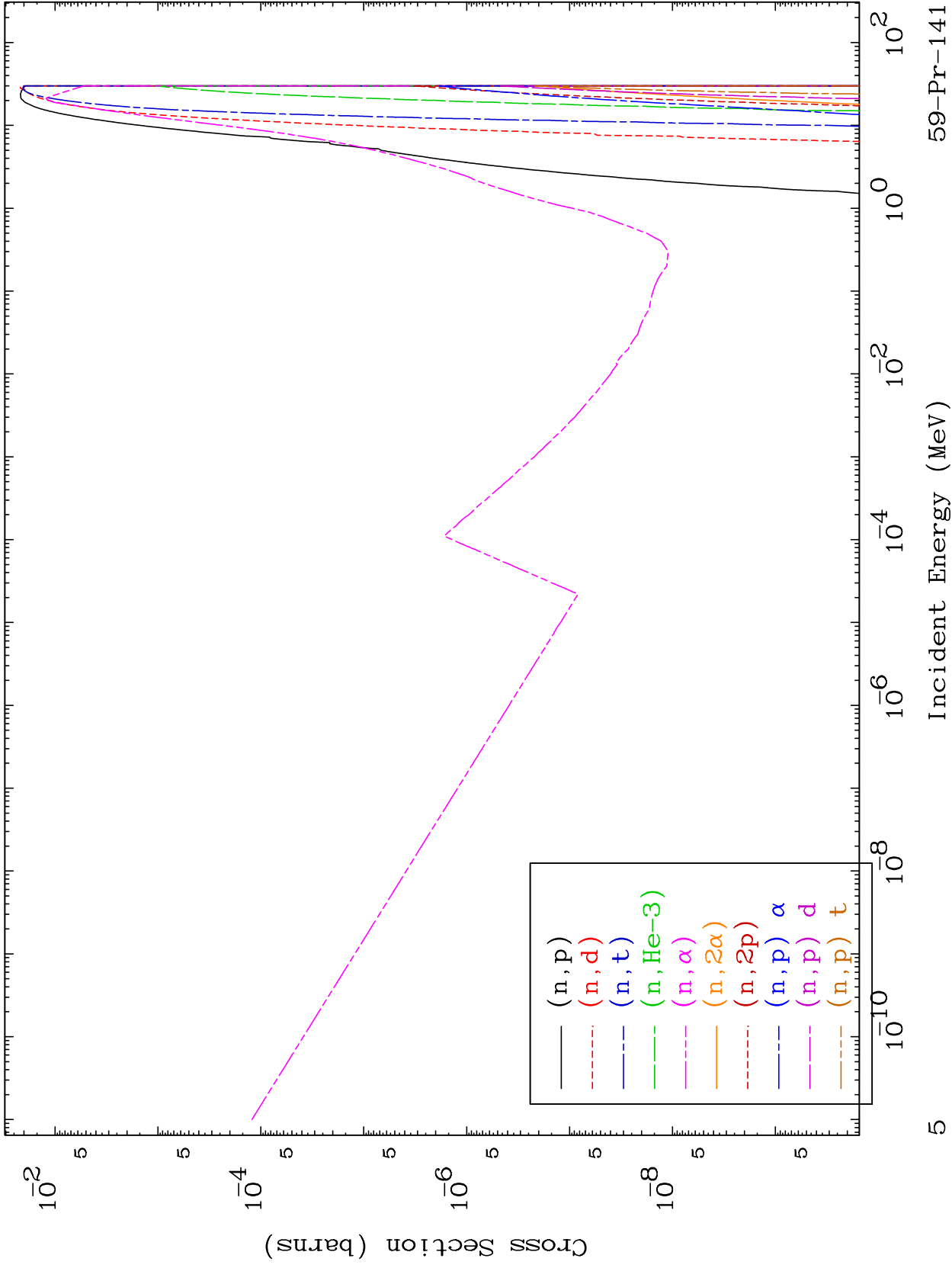


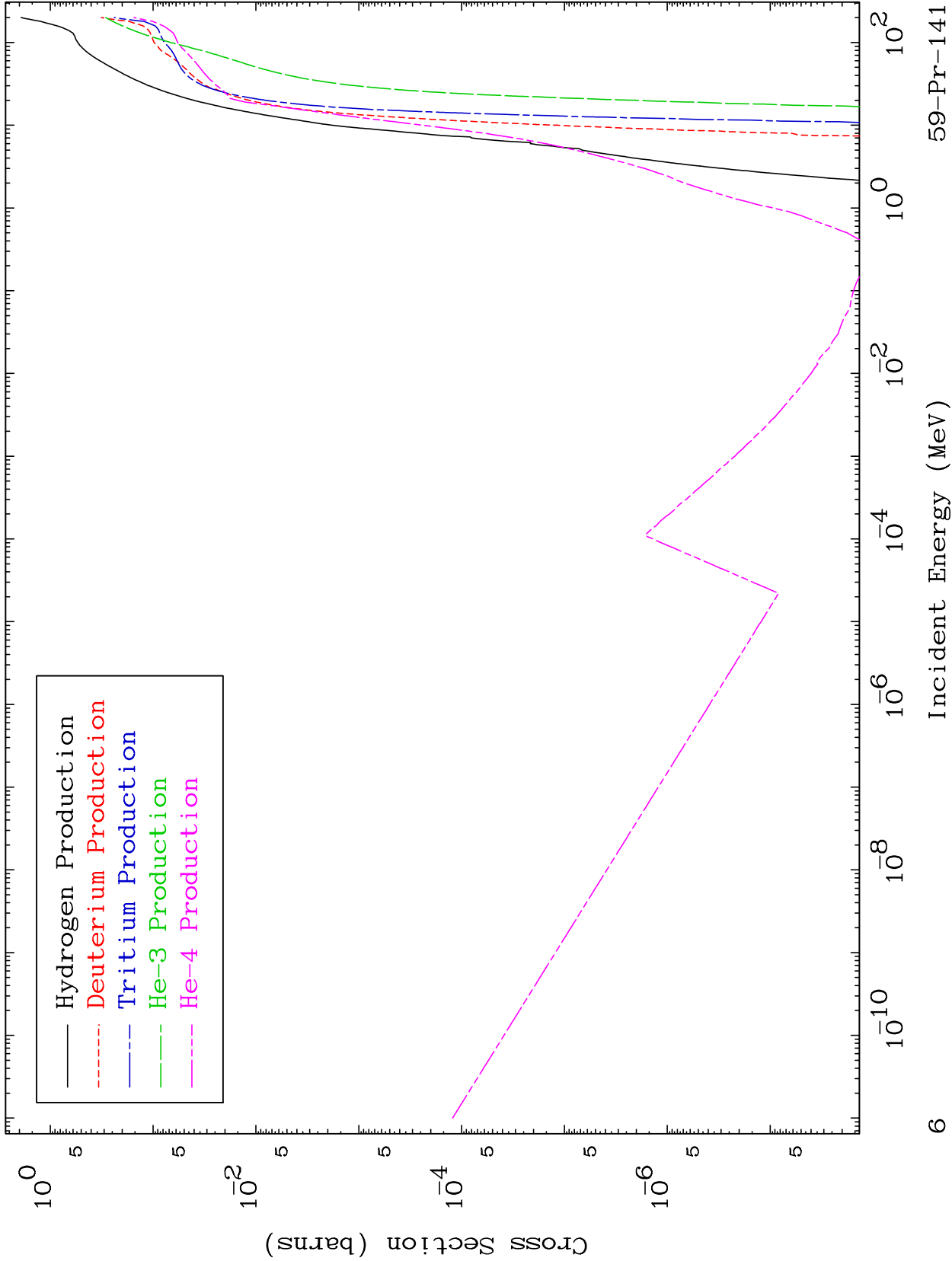


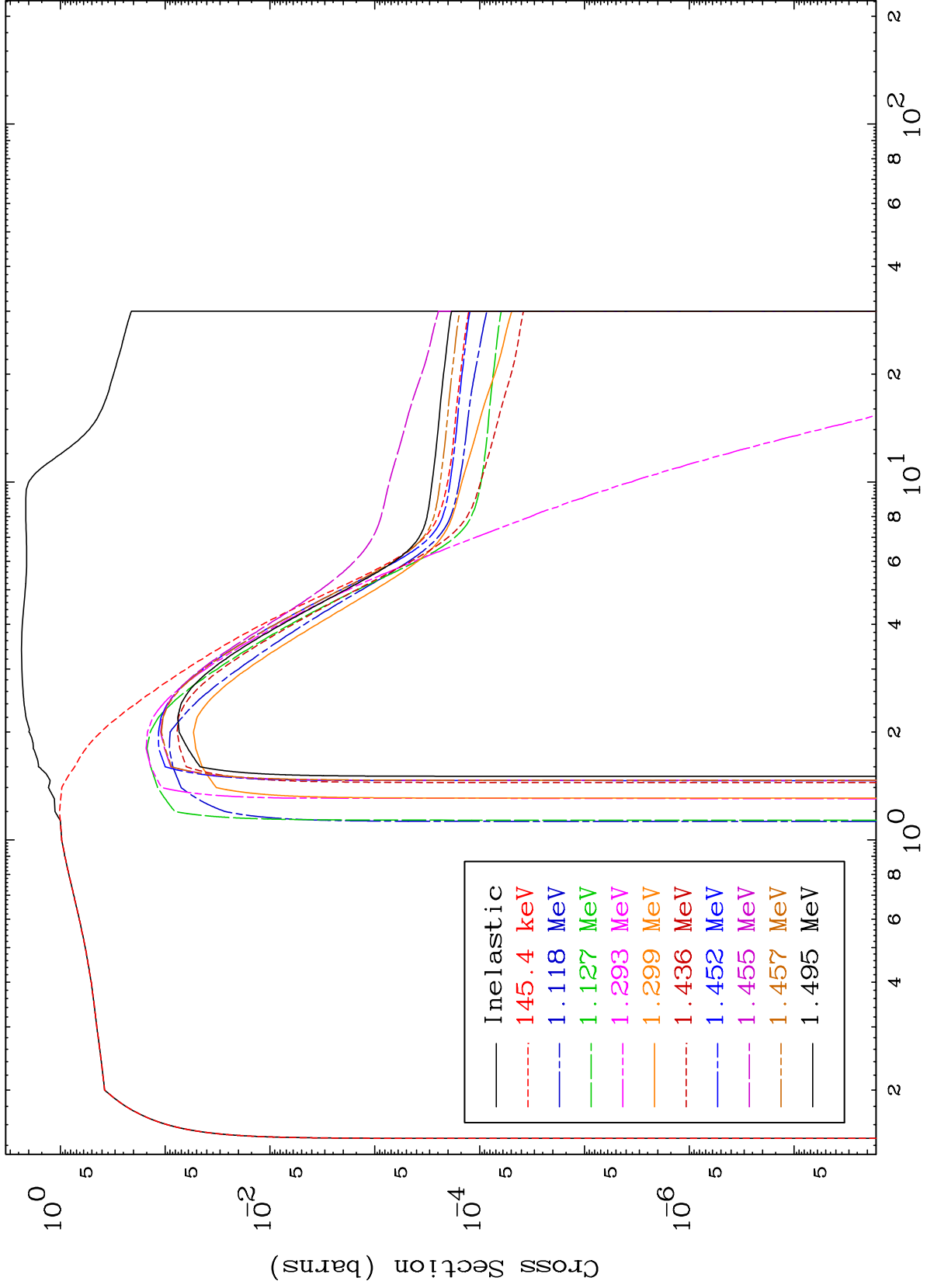
MAT 5925

Charged Particle  
293 Kelvin Cross Sections

59-Pr-141





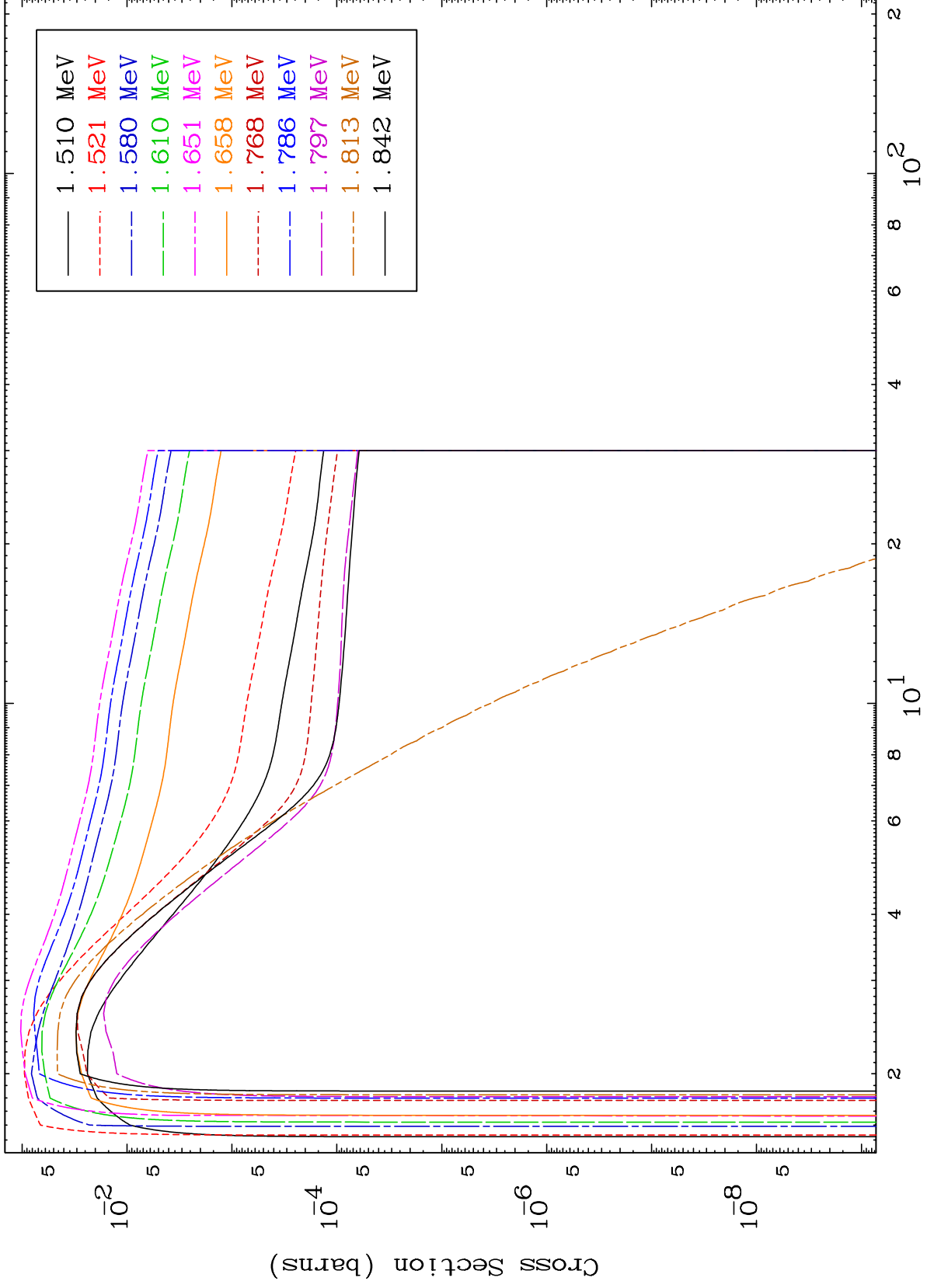




MAT 5925

(n,n') Level  
293 Kelvin Cross Sections

59-Pr-141

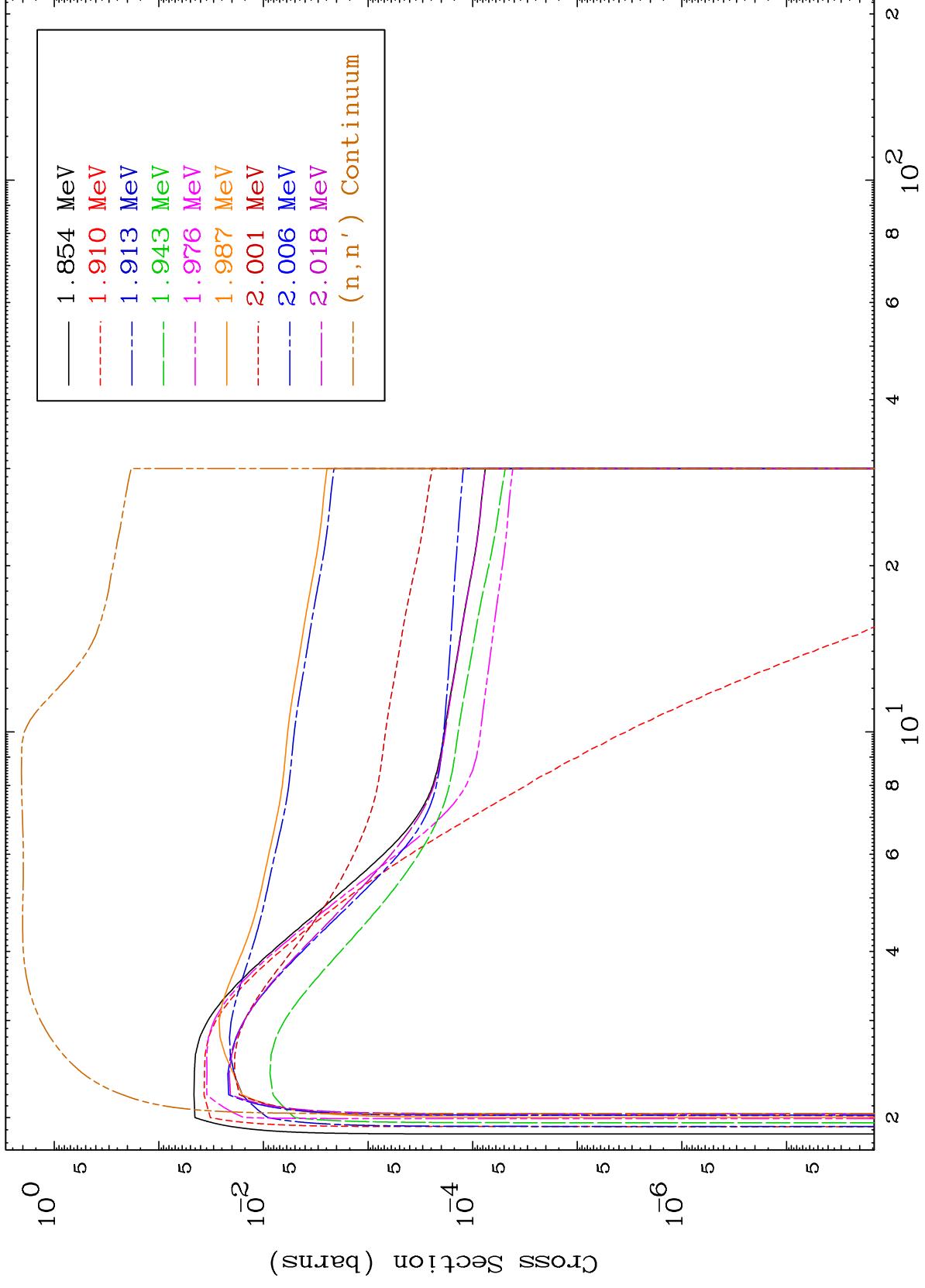


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Incident Energy (MeV)

59-Pr-141

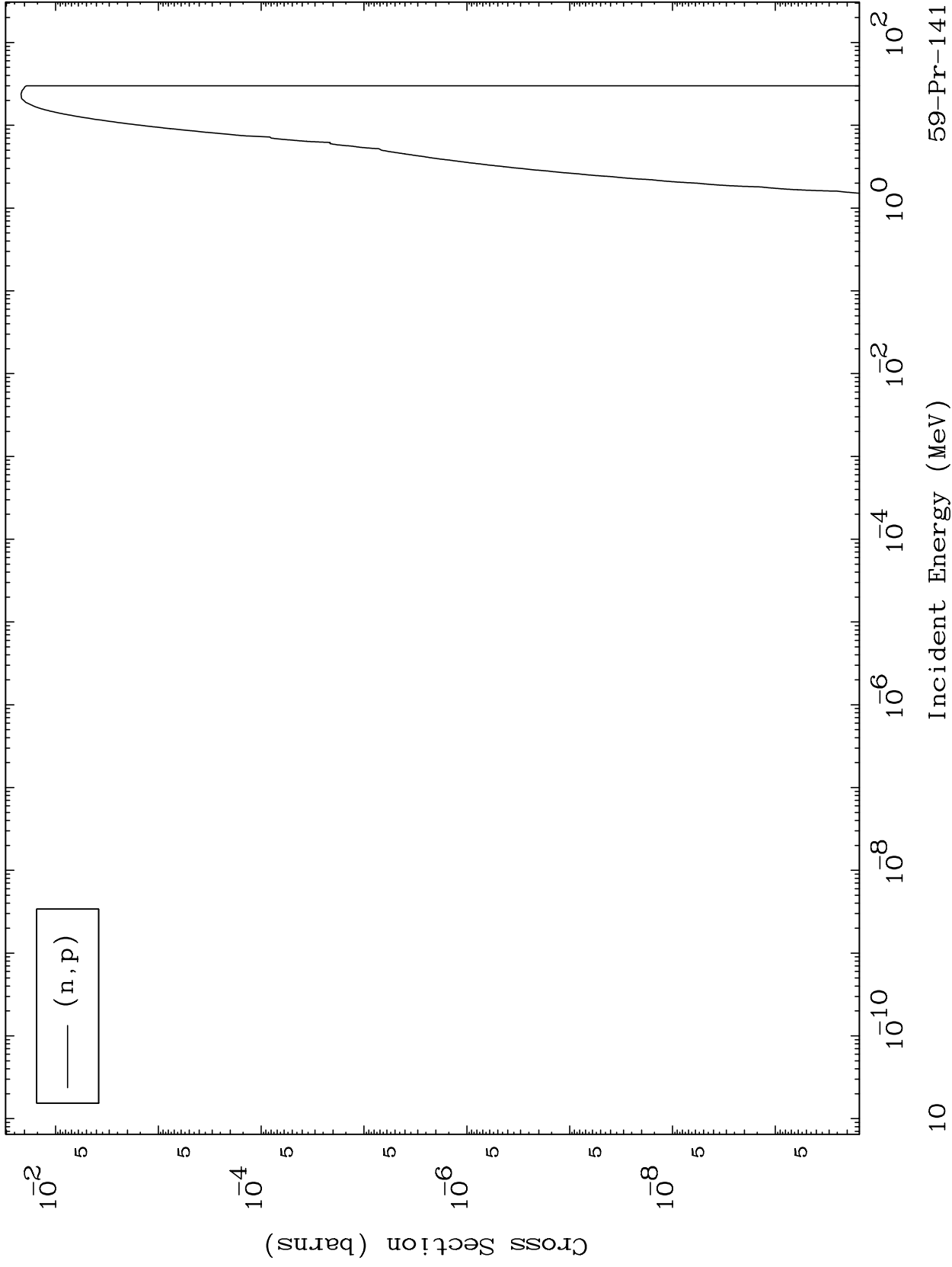
293 Kelvin Cross Sections



MAT 5925

(n,p) Levels  
293 Kelvin Cross Sections

59-Pr-141



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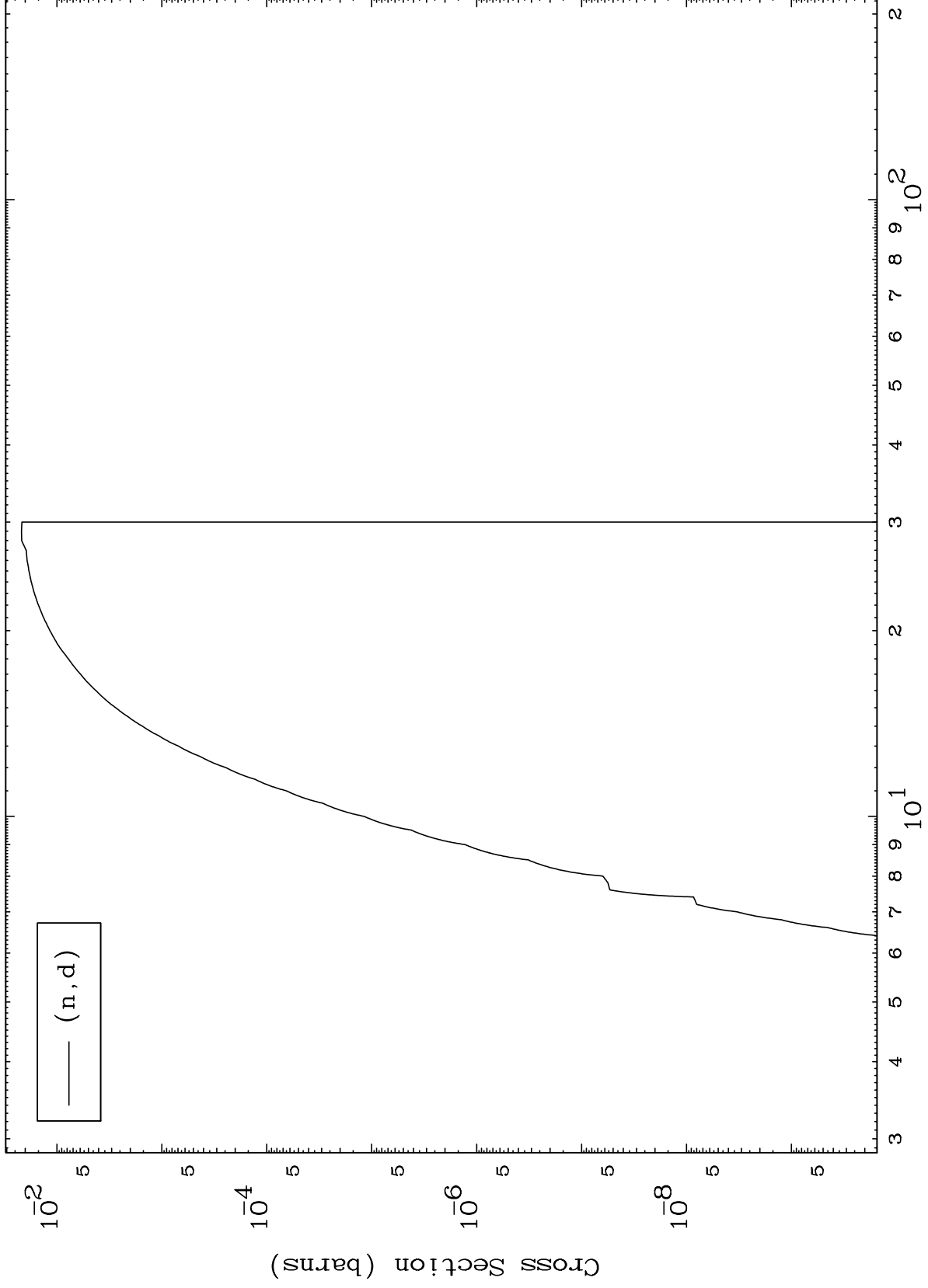
Incident Energy (MeV)

59-Pr-141

MAT 5925

(n,d) Levels  
293 Kelvin Cross Sections

59-Pr-141



11

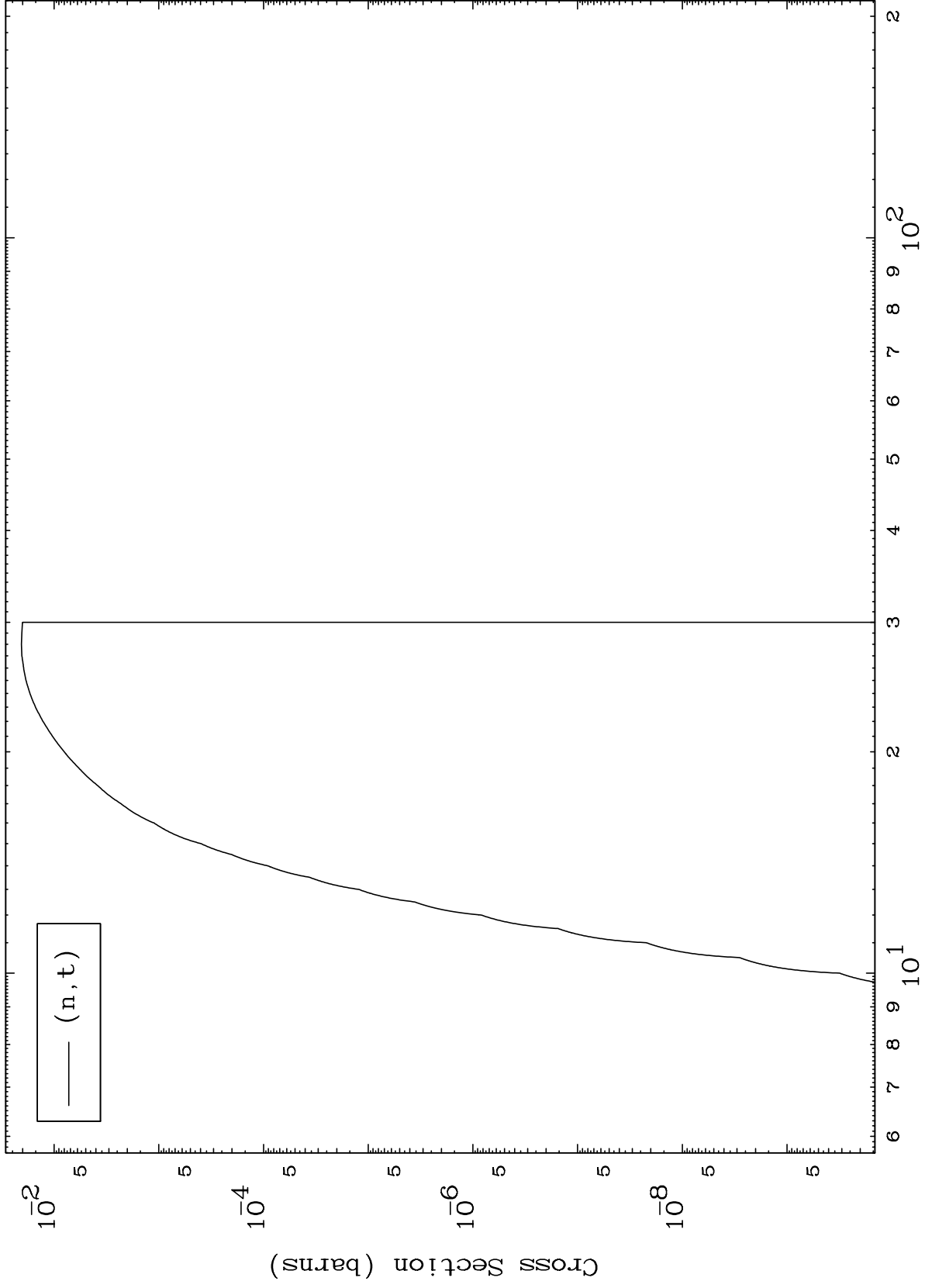
Incident Energy (MeV)

59-Pr-141

MAT 5925

(n,t) Levels  
293 Kelvin Cross Sections

59-Pr-141

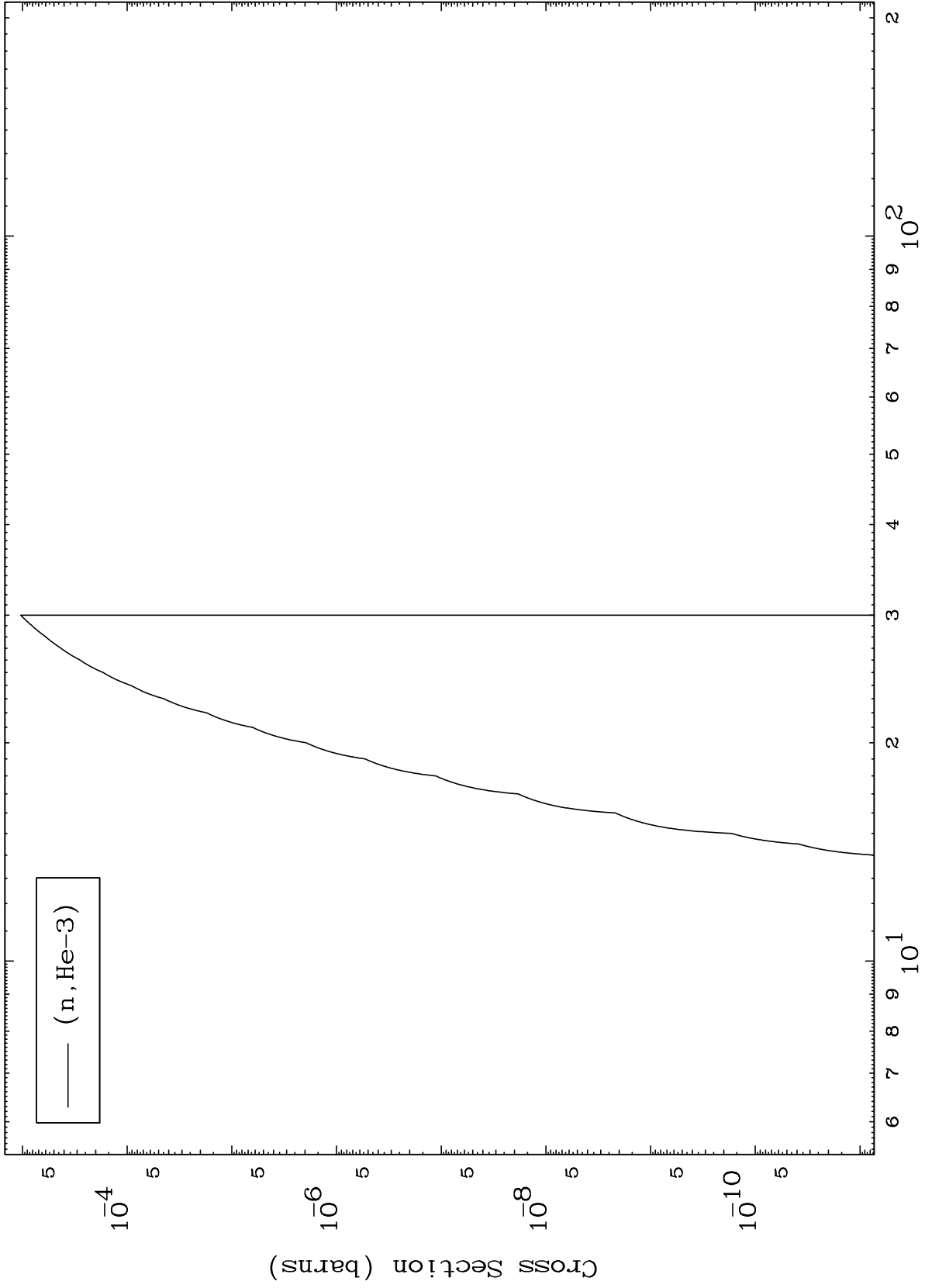


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Incident Energy (MeV)

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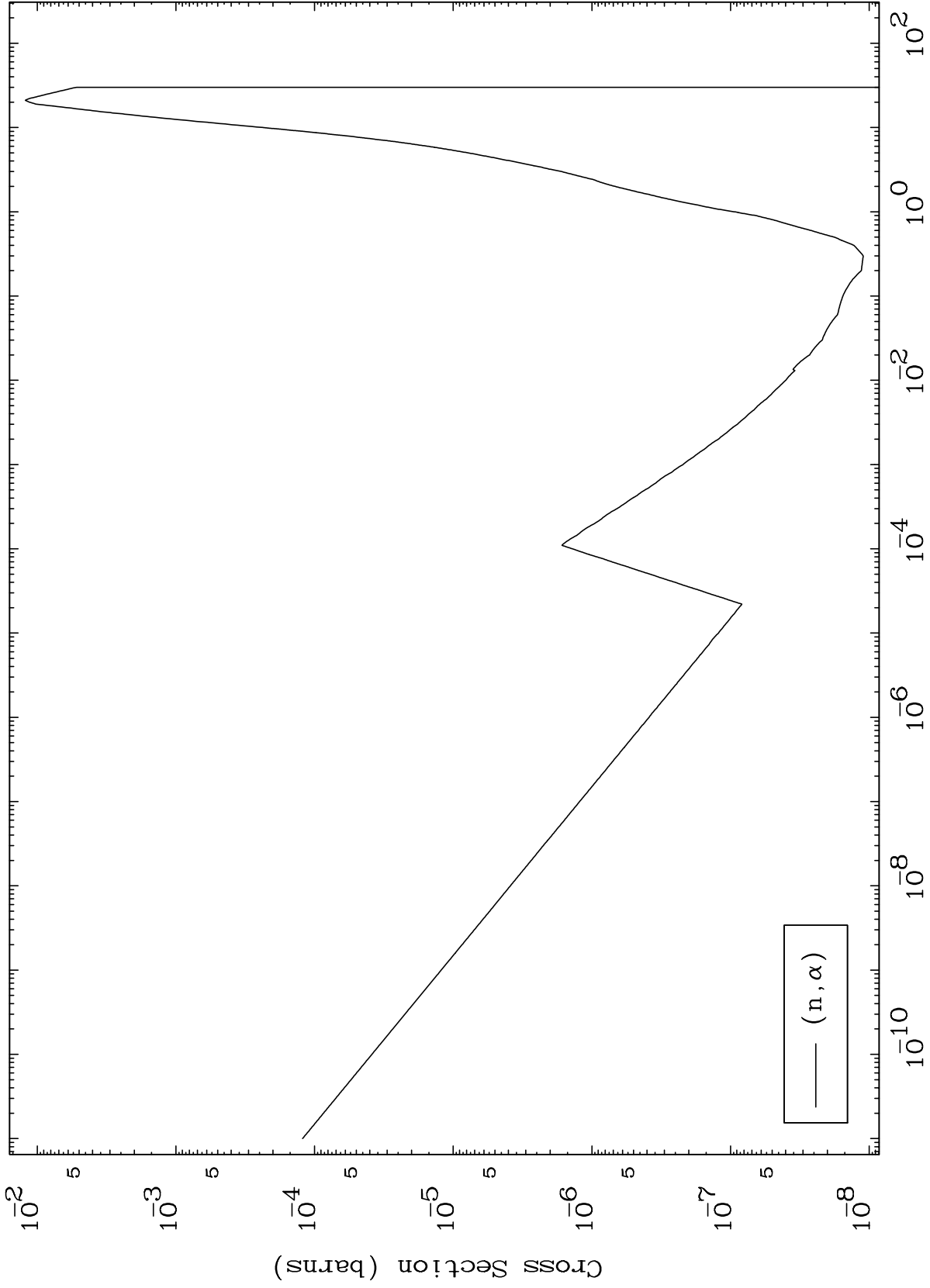
(n,He3) Levels  
293 Kelvin Cross Sections

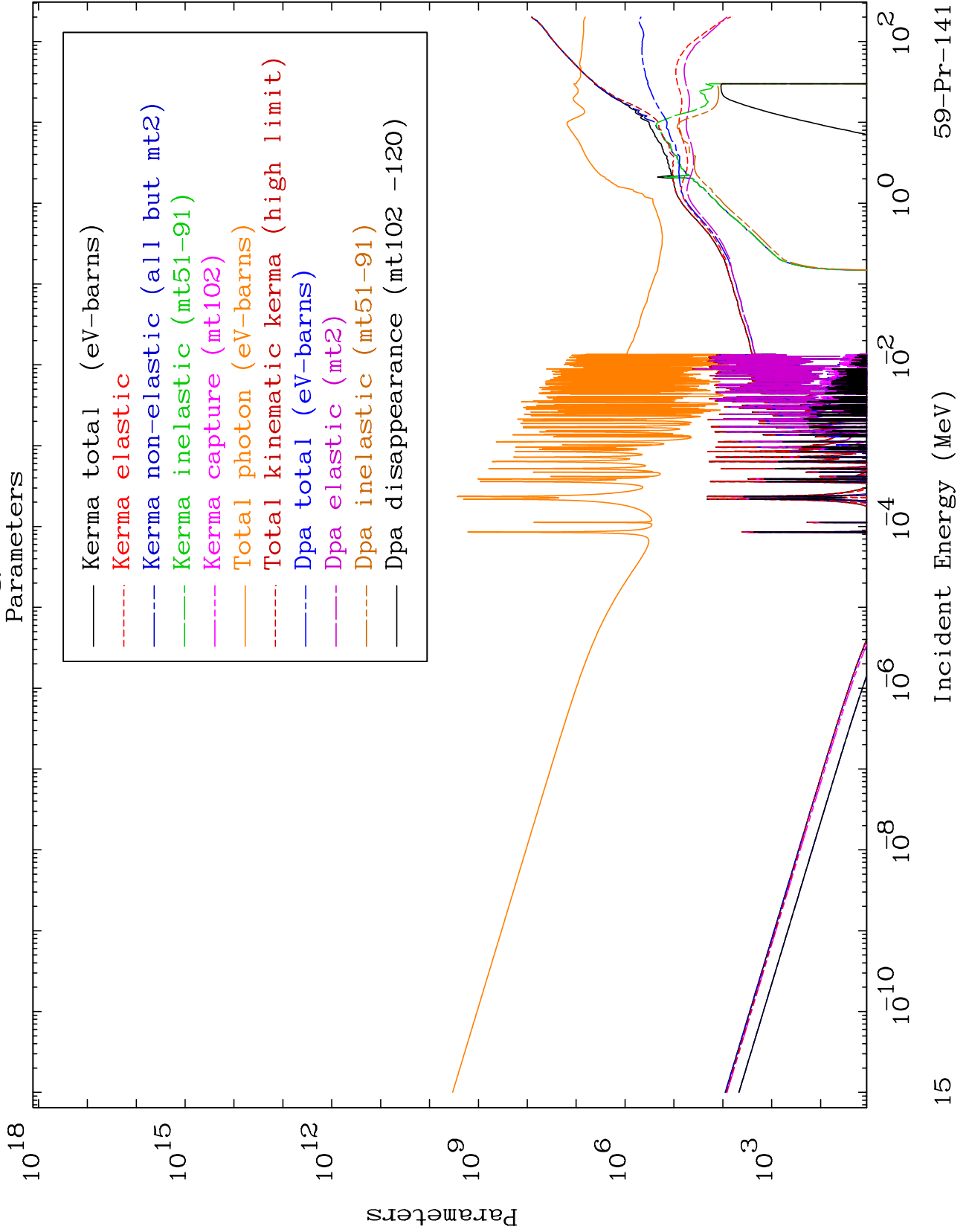


MAT 5925

(n,α) Levels  
293 Kelvin Cross Sections

59-Pr-141



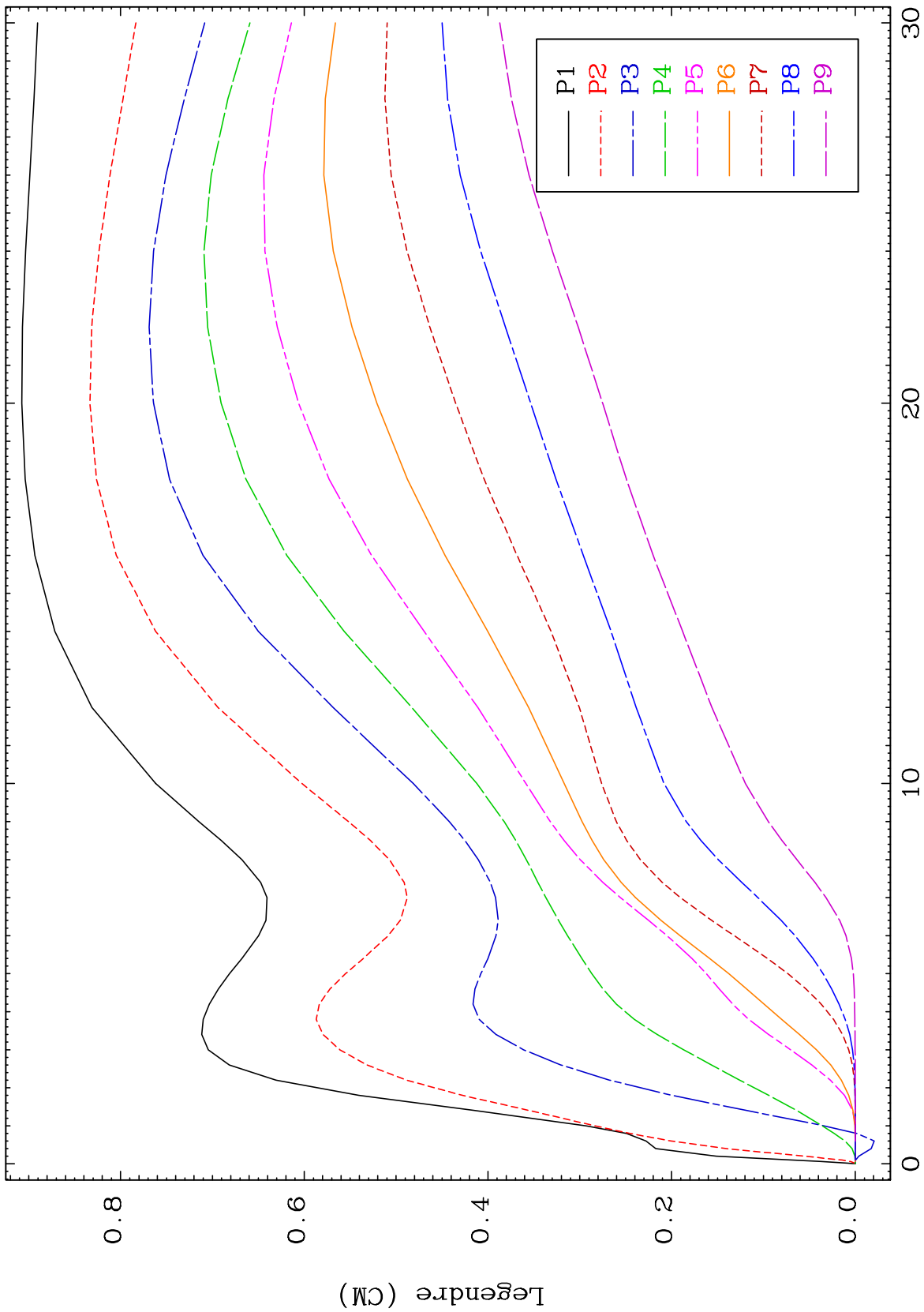




MAT 5925

Elastic Legendre Coefficients

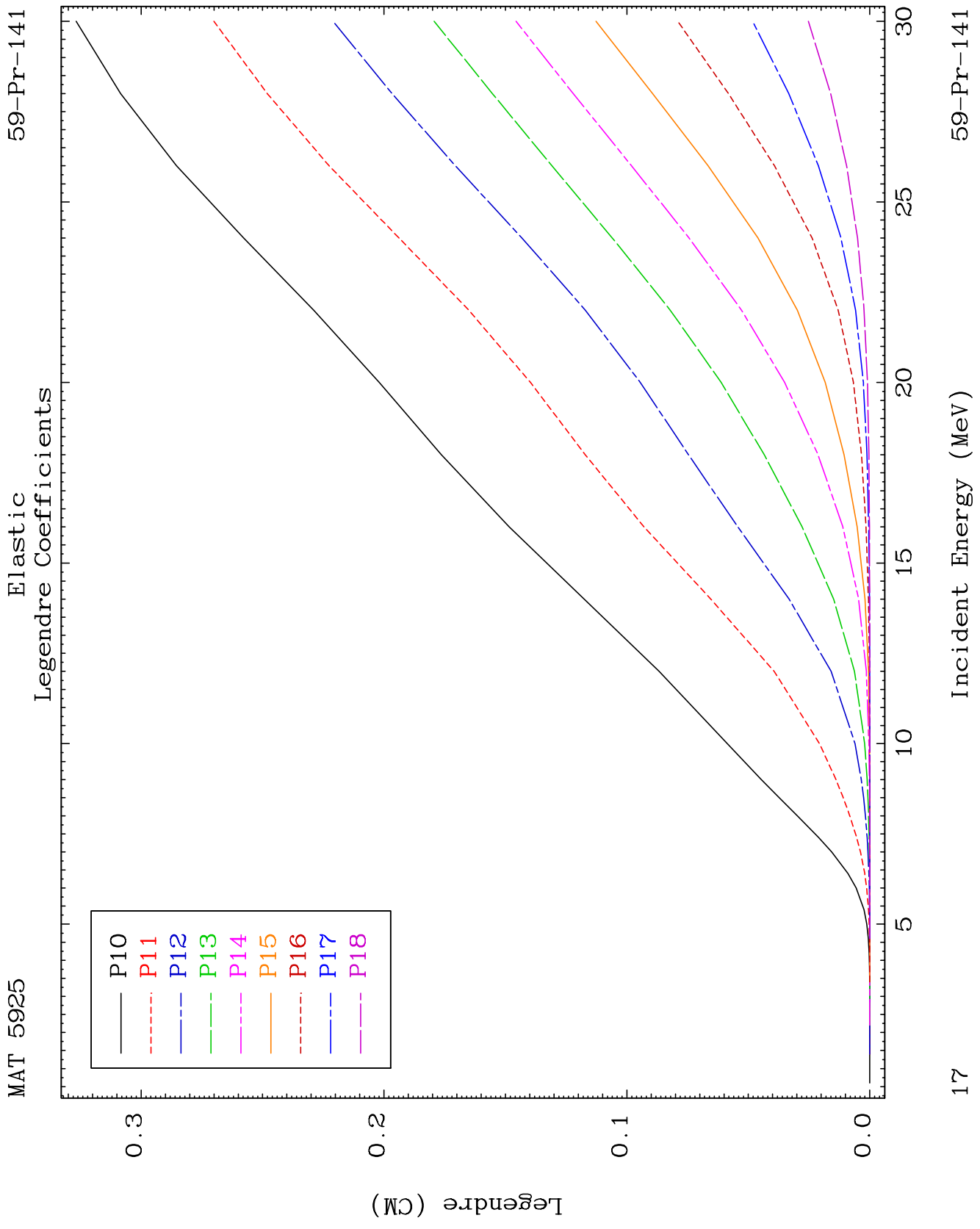
59-Pr-141



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Incident Energy (MeV)

59-Pr-141

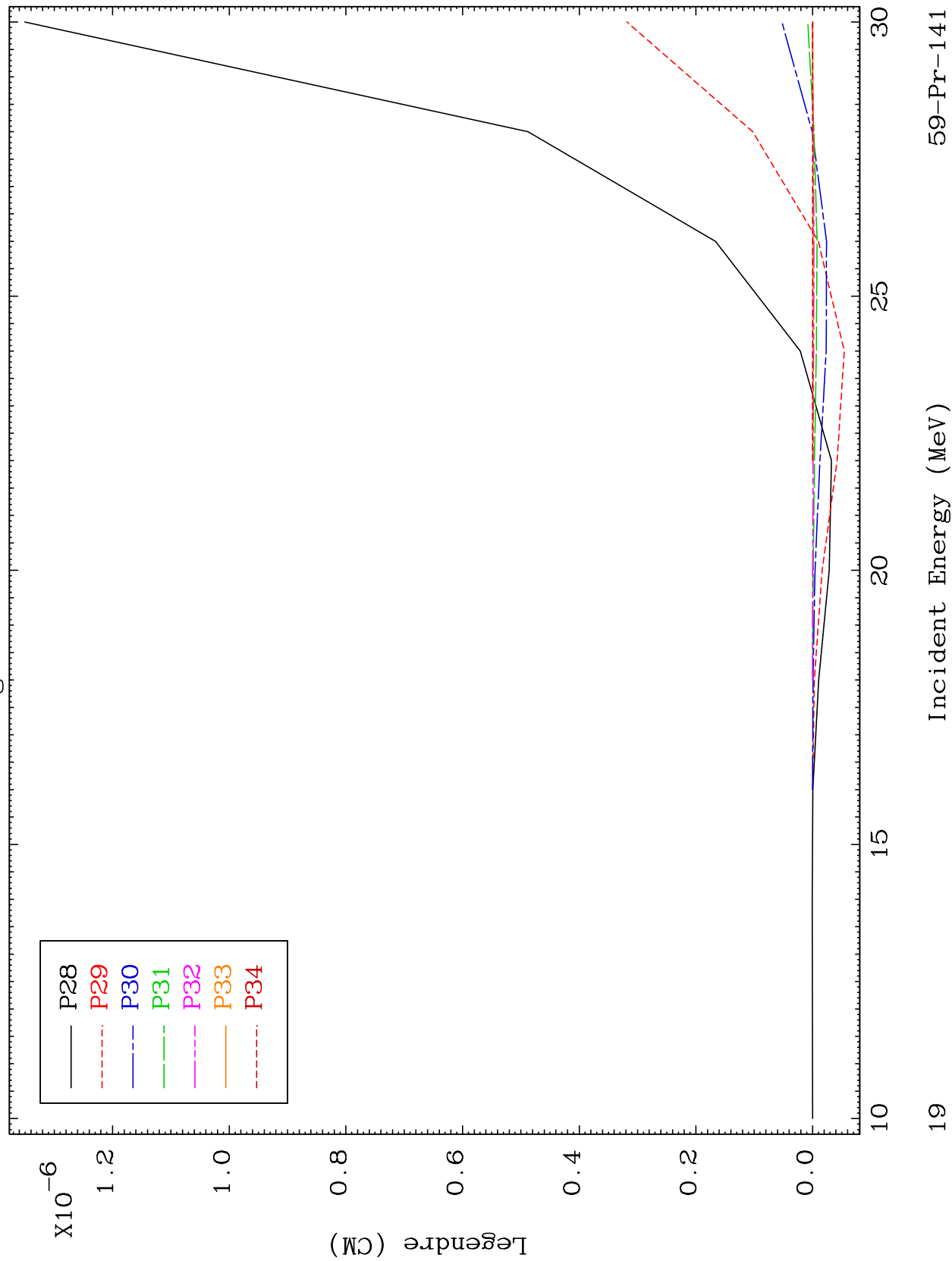




MAT 5925

Elastic Legendre Coefficients

59-Pr-141



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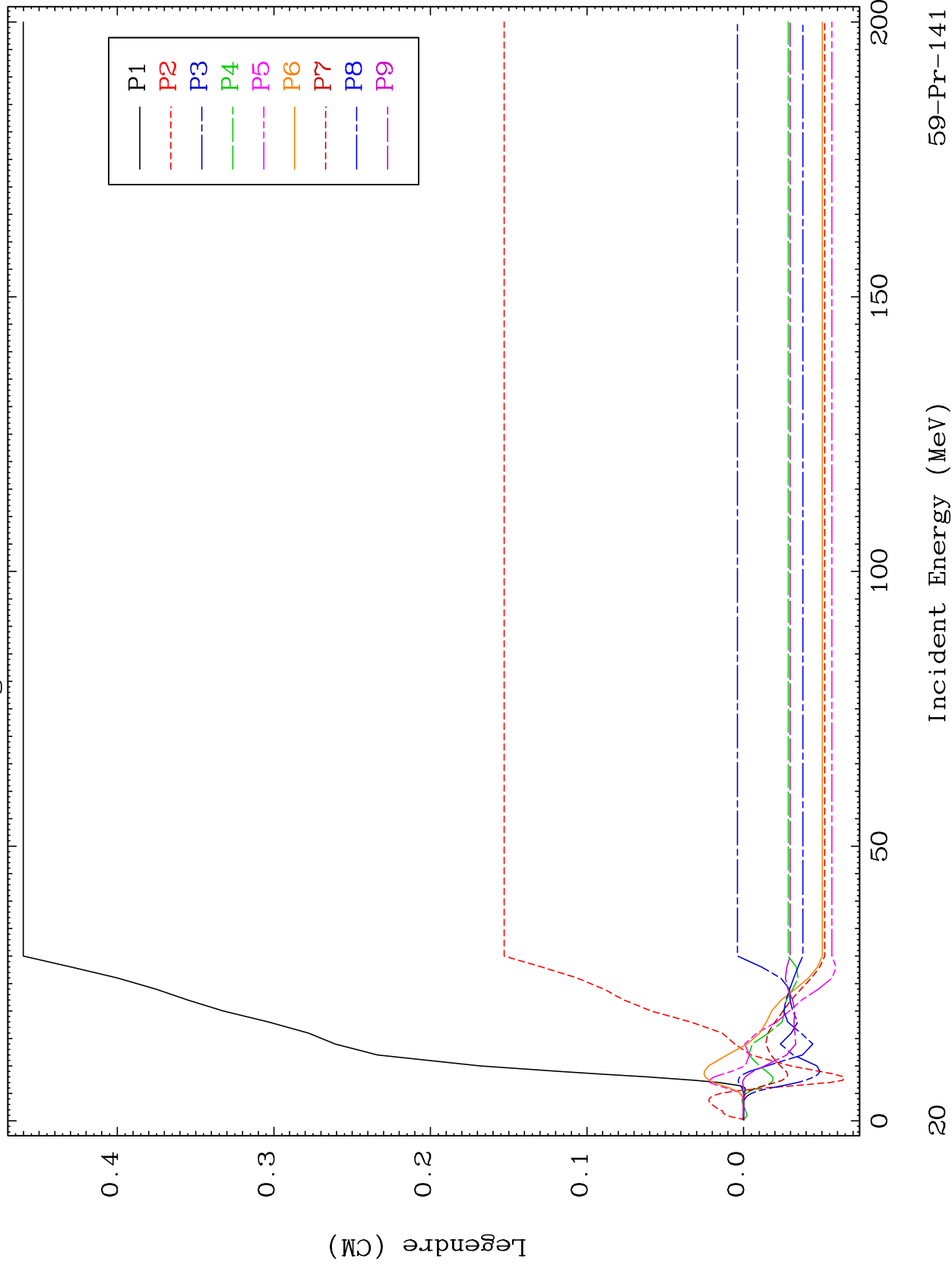
Incident Energy (MeV)

59-Pr-141

MAT 5925

145.4 keV (n,n') Level  
Legendre Coefficients

59-Pr-141

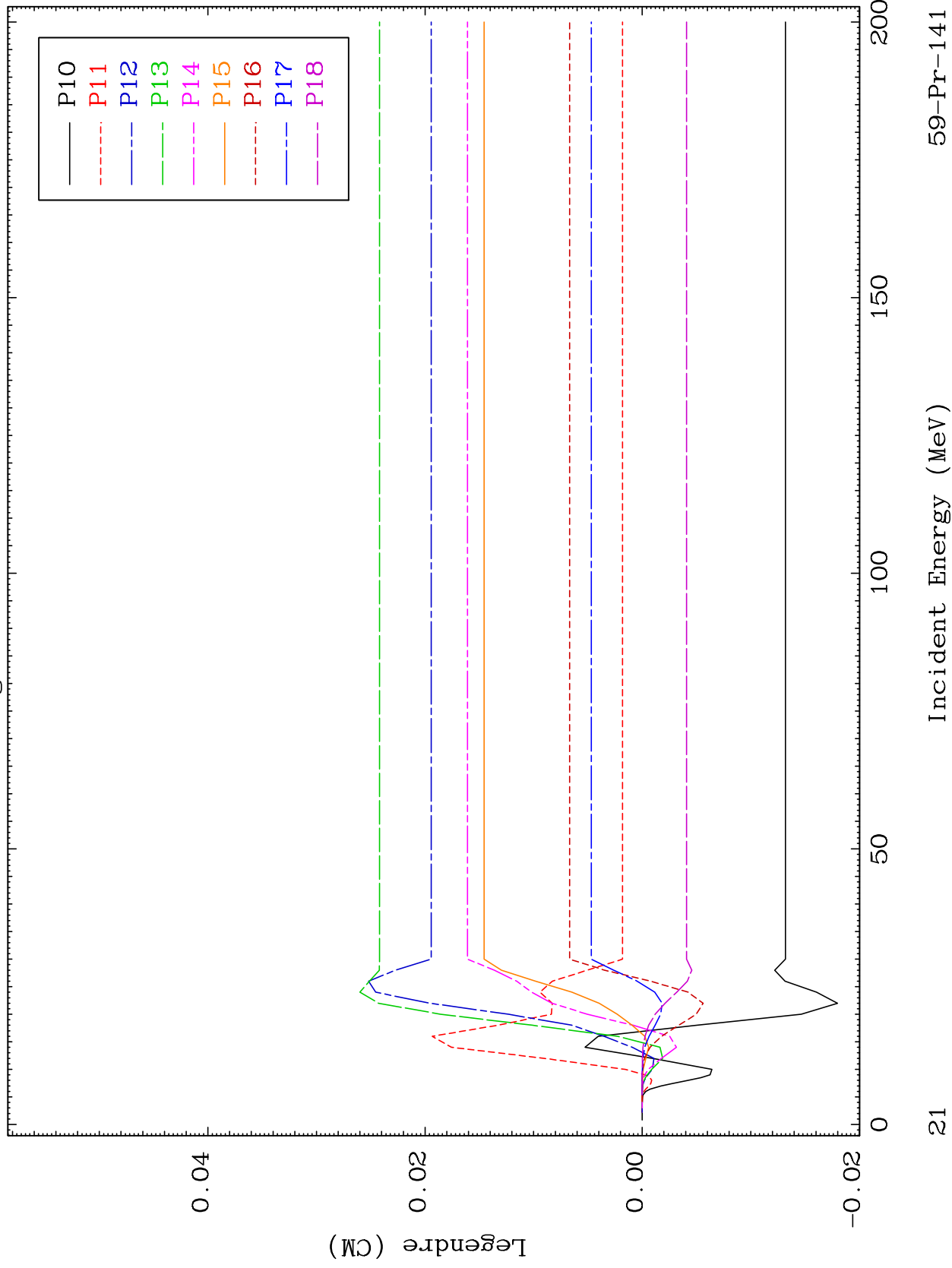


59-Pr-141

MAT 5925

145.4 keV (n,n') Level  
Legendre Coefficients

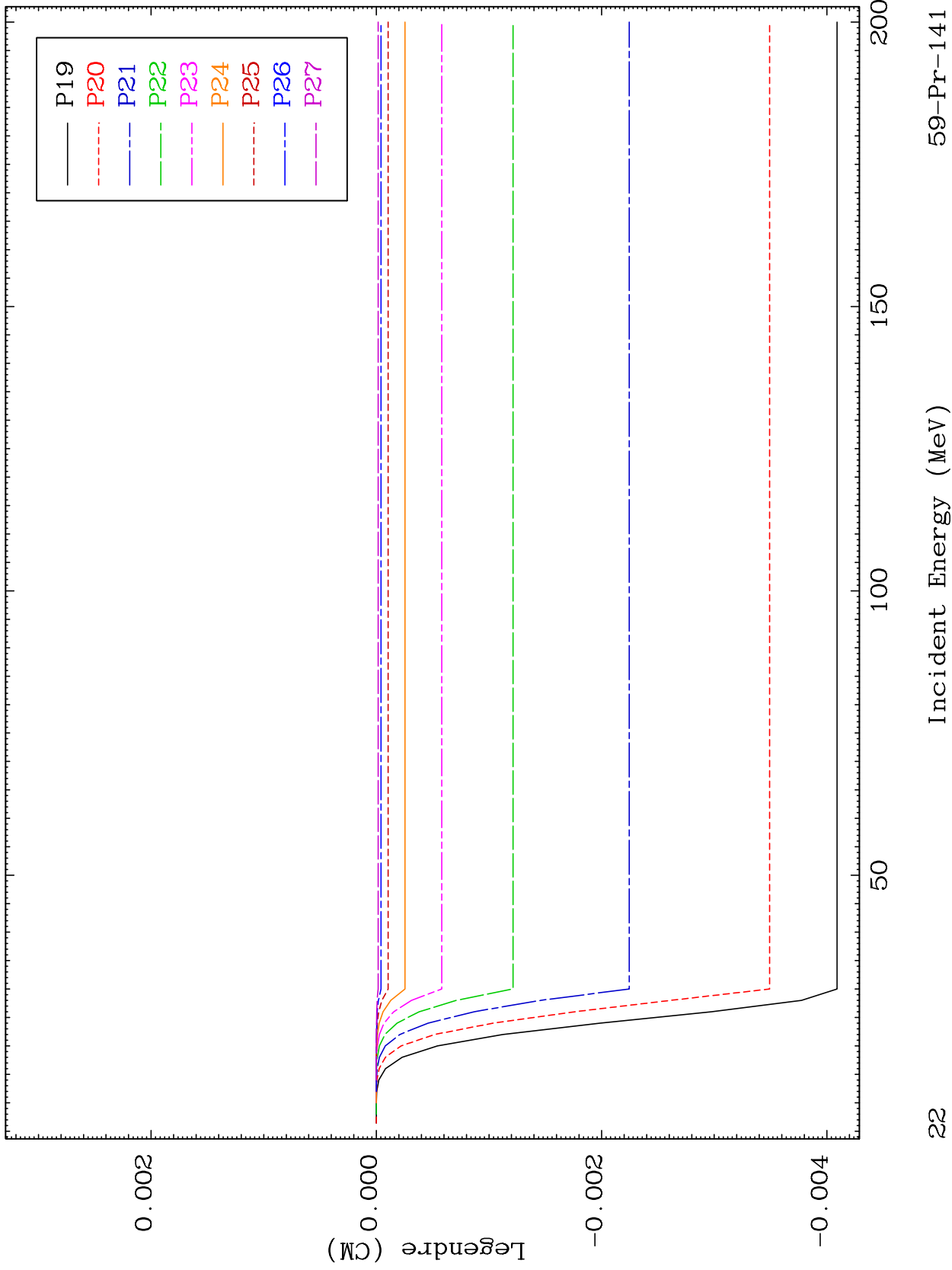
59-Pr-141

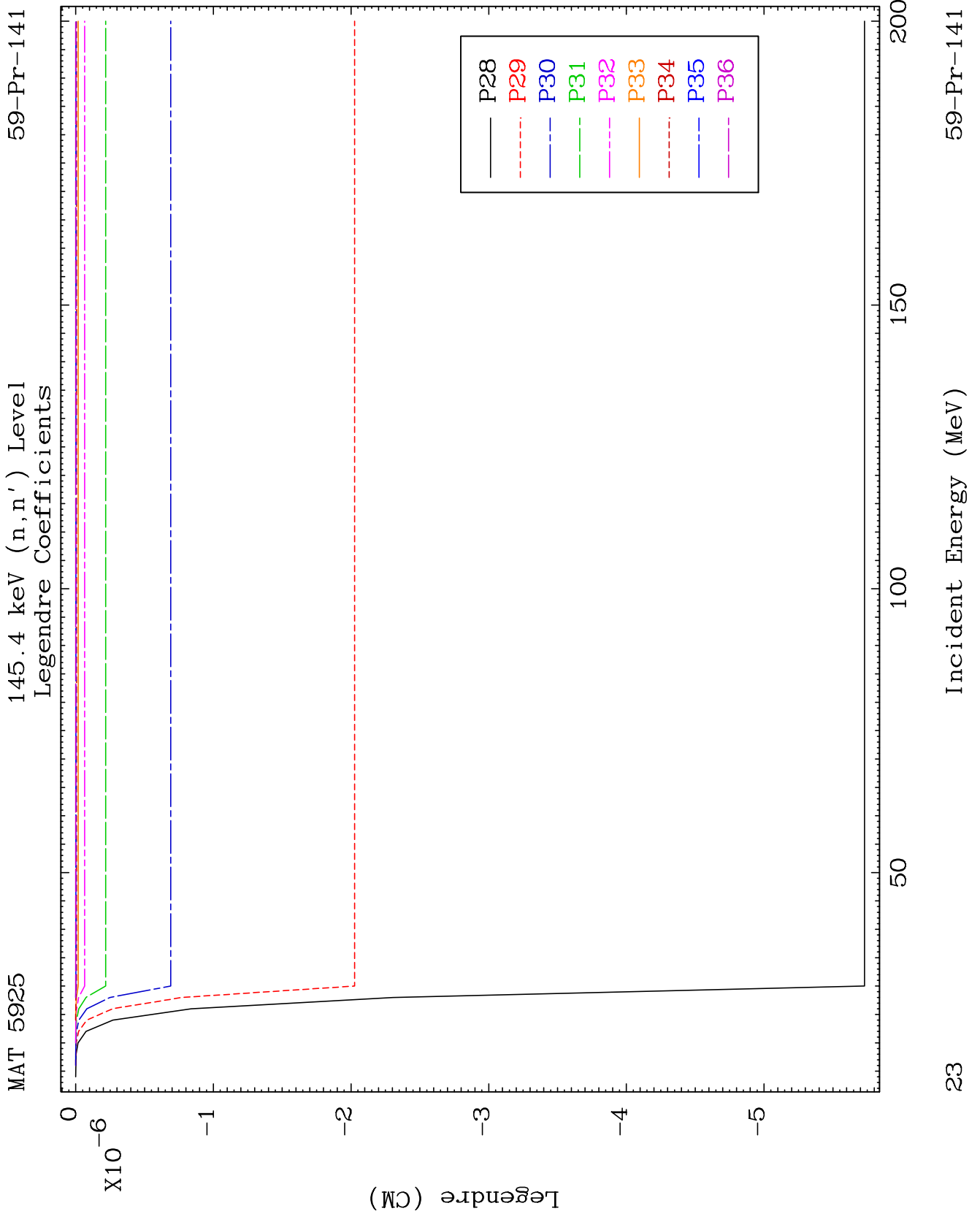


59-Pr-141

Incident Energy (MeV)

21



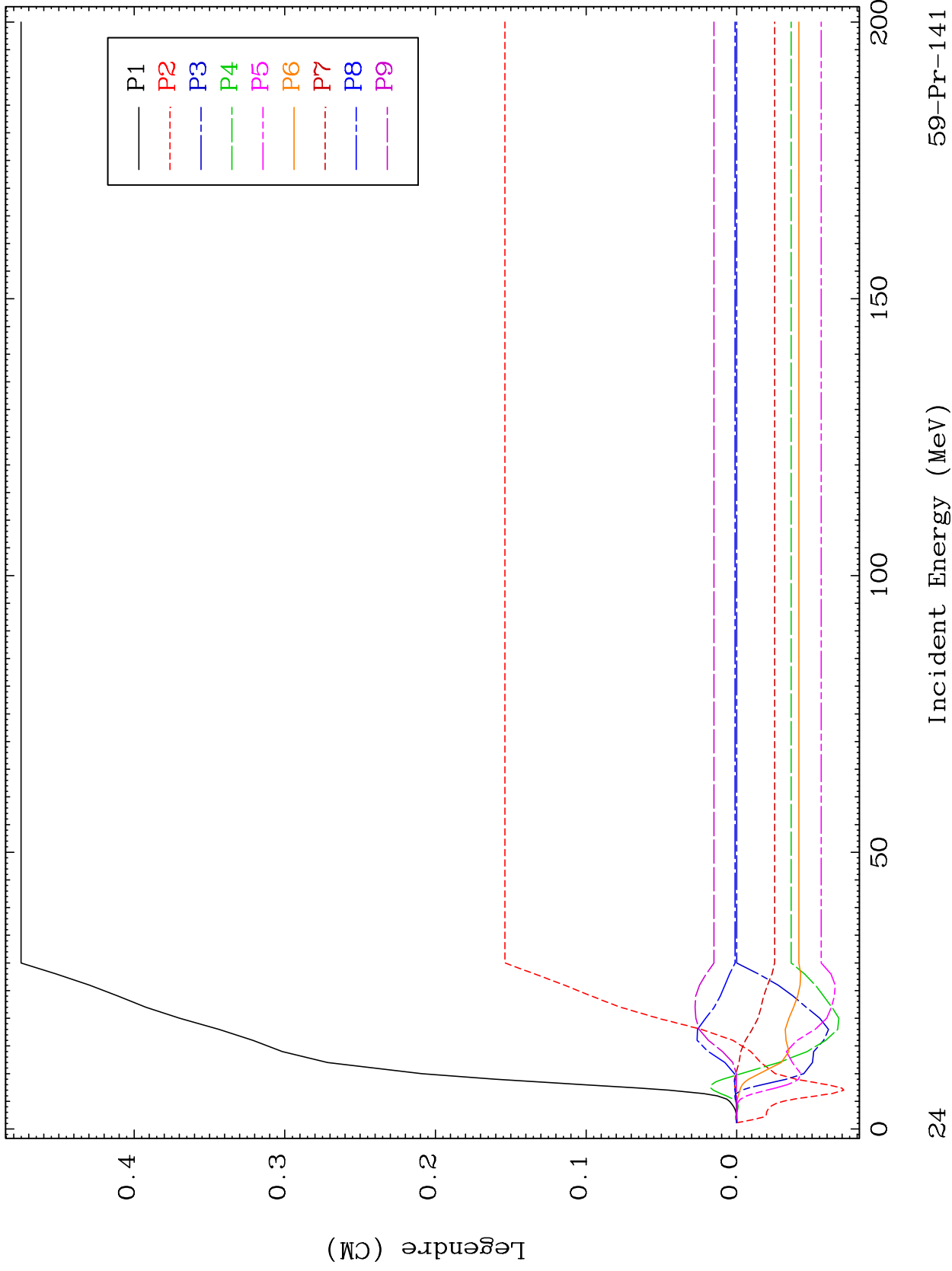




MAT 5925

1.118 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



59-Pr-141

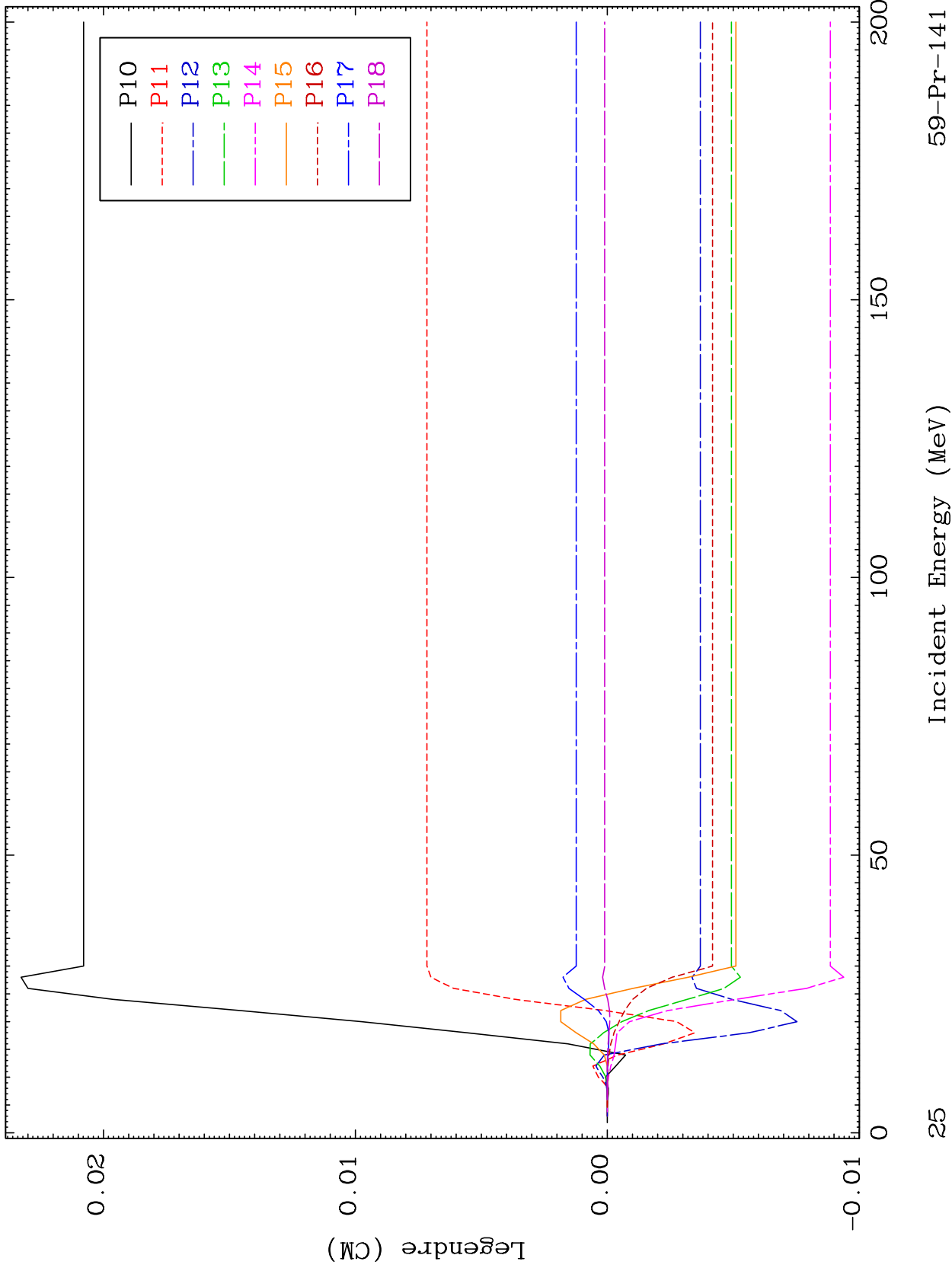
Incident Energy (MeV)

24

MAT 5925

1.118 MeV (n,n') Level  
Legendre Coefficients

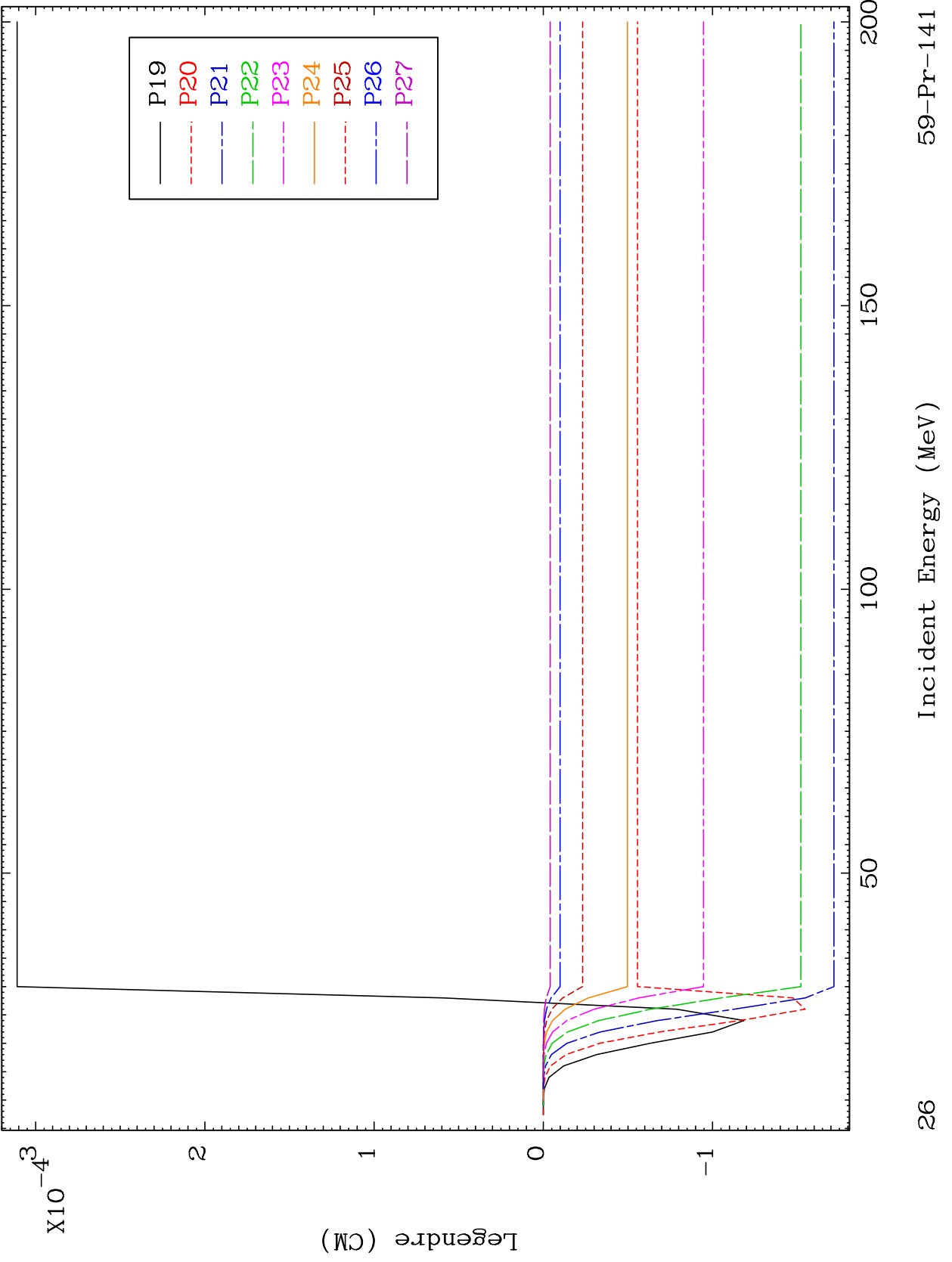
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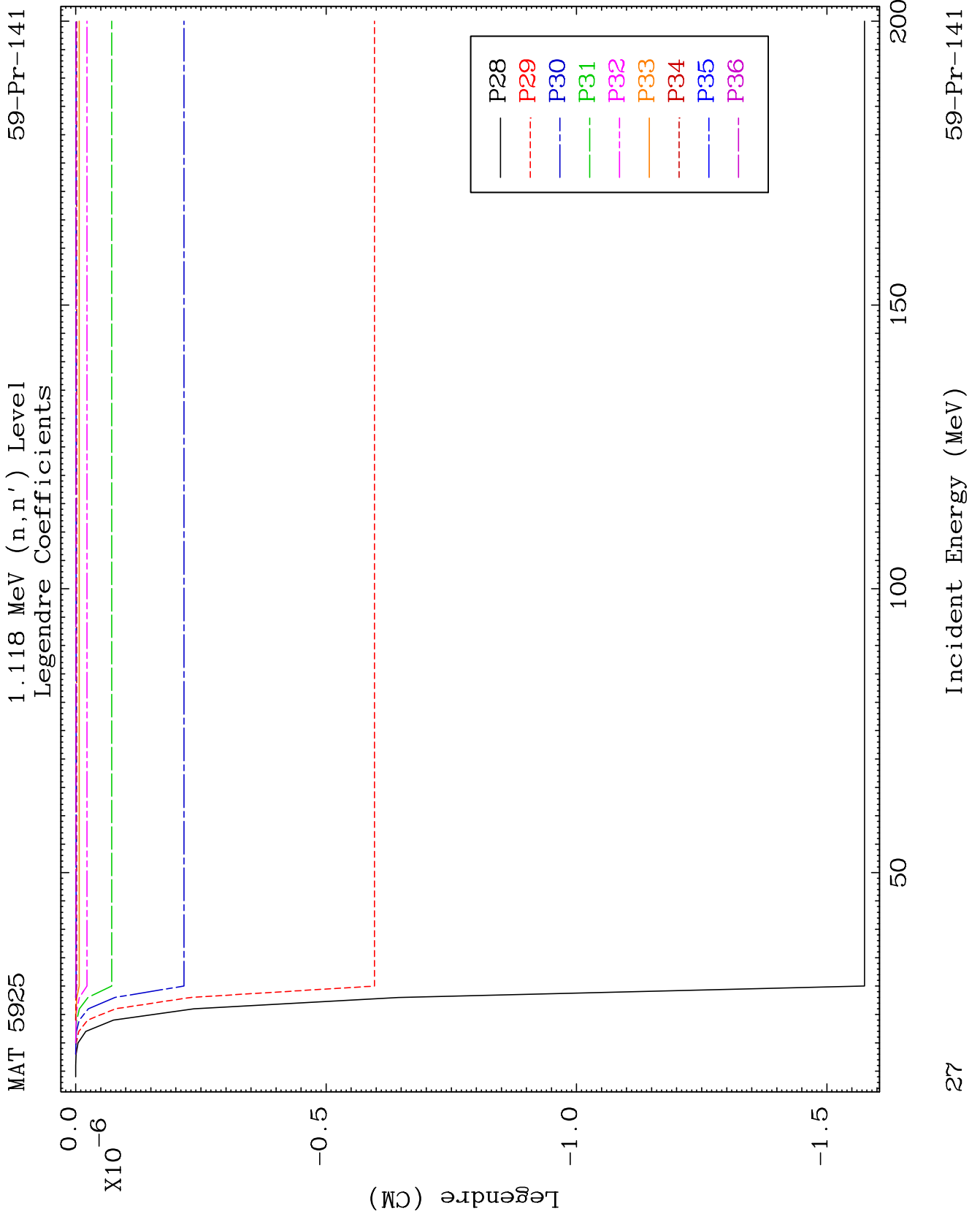


59-Pr-141

Incident Energy (MeV)

25

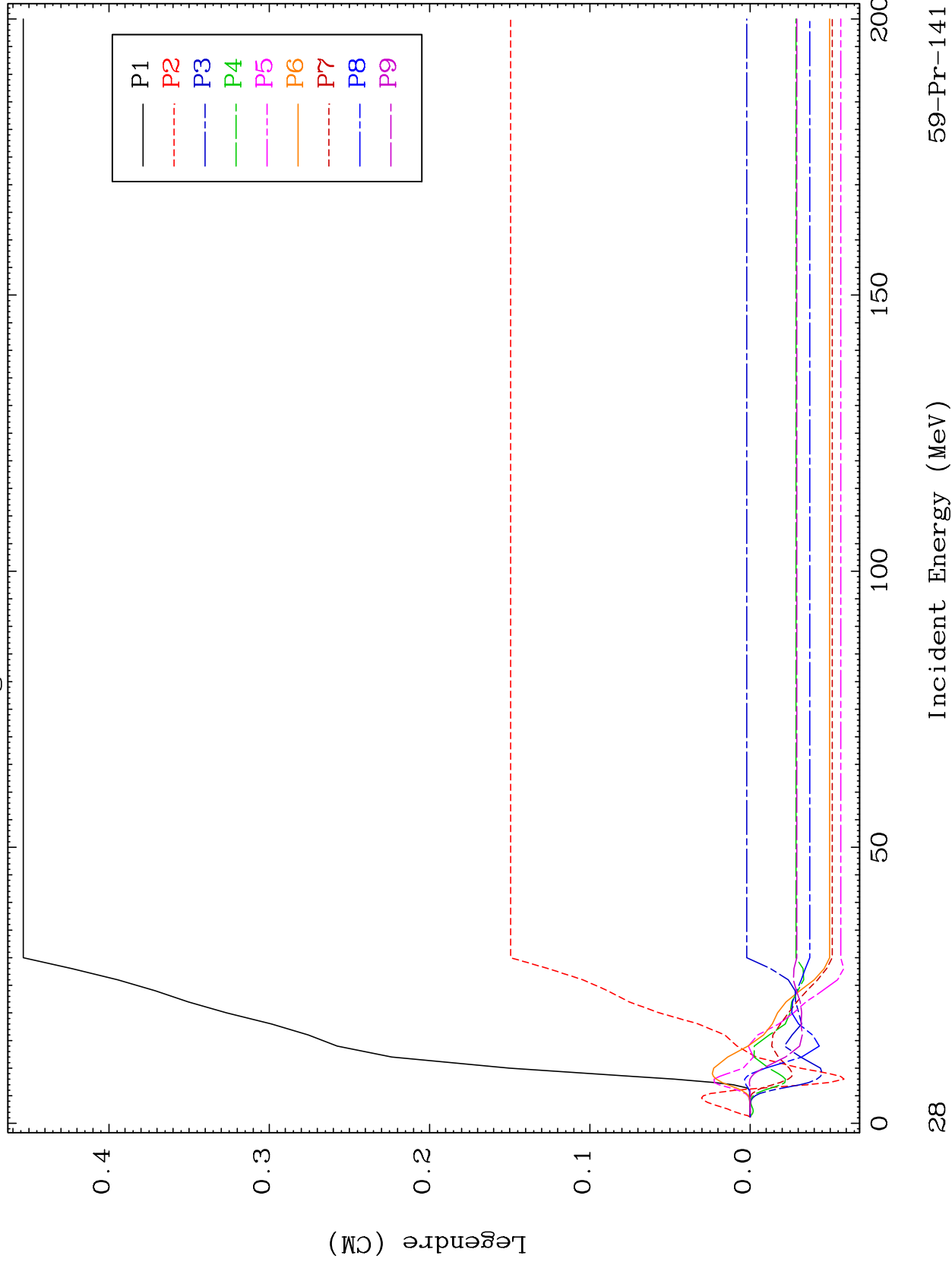




MAT 5925

1.127 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



59-Pr-141

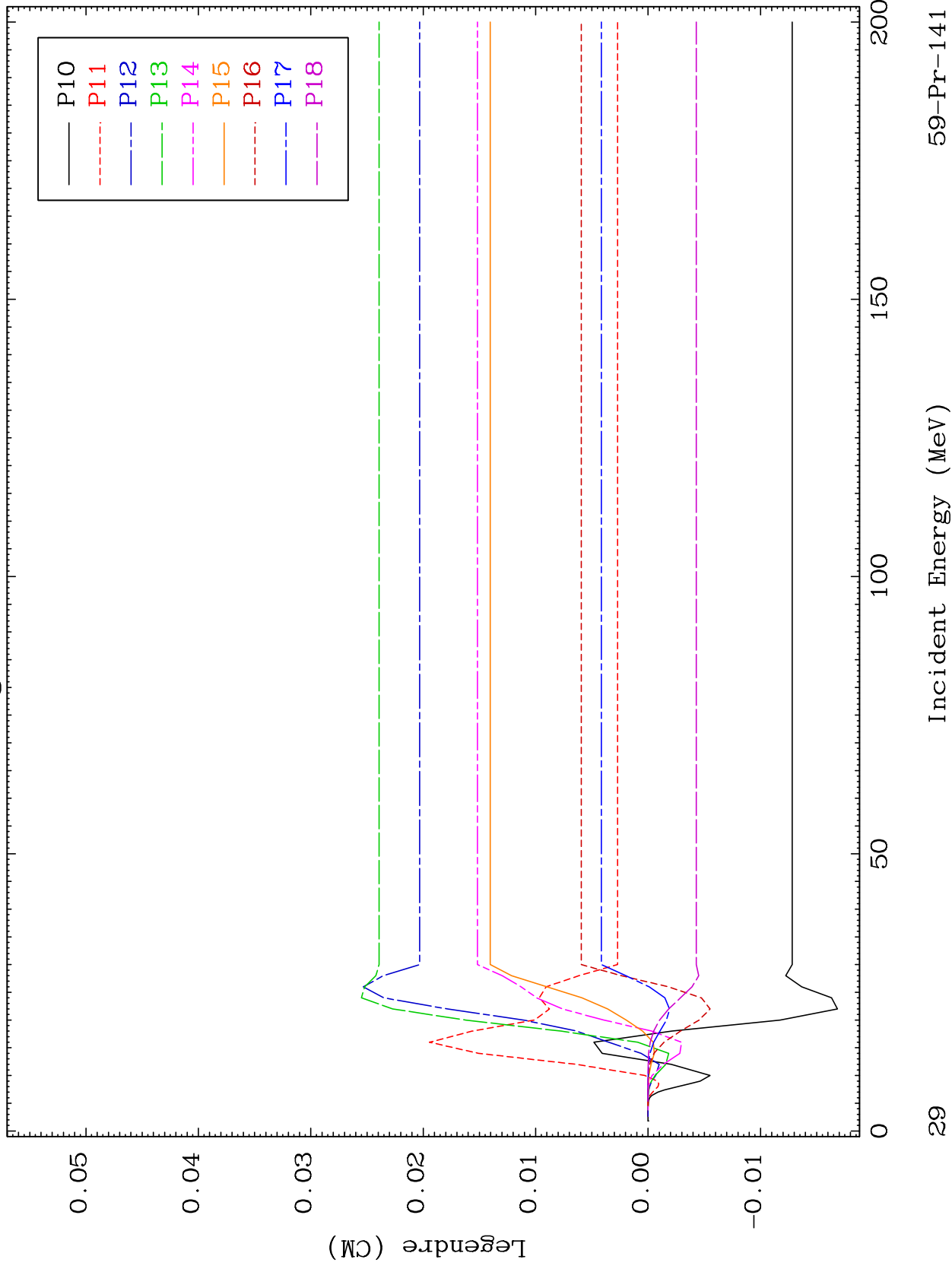
Incident Energy (MeV)

28

MAT 5925

1.127 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



59-Pr-141

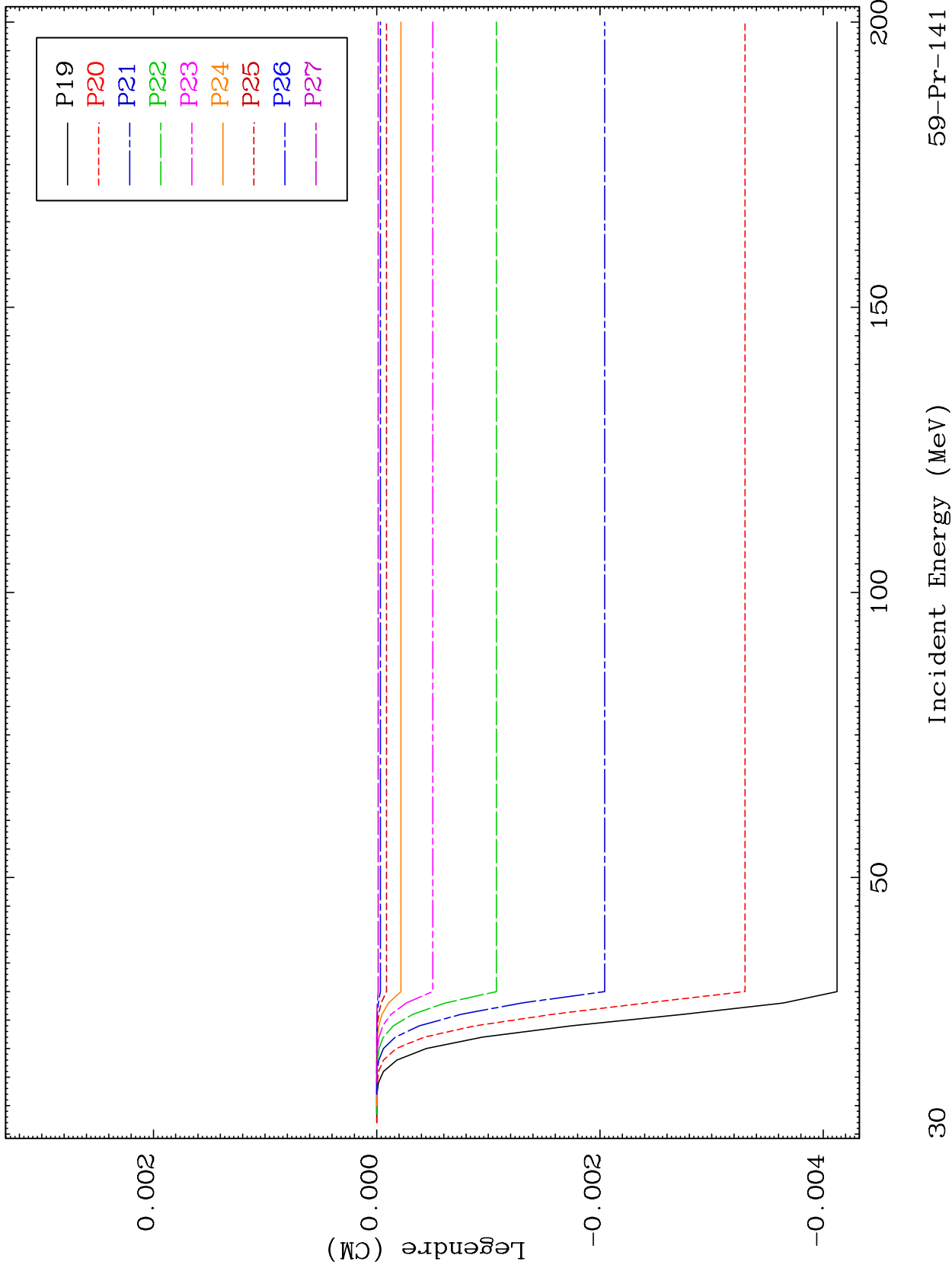
Incident Energy (MeV)

29

MAT 5925

1.127 MeV (n,n') Level  
Legendre Coefficients

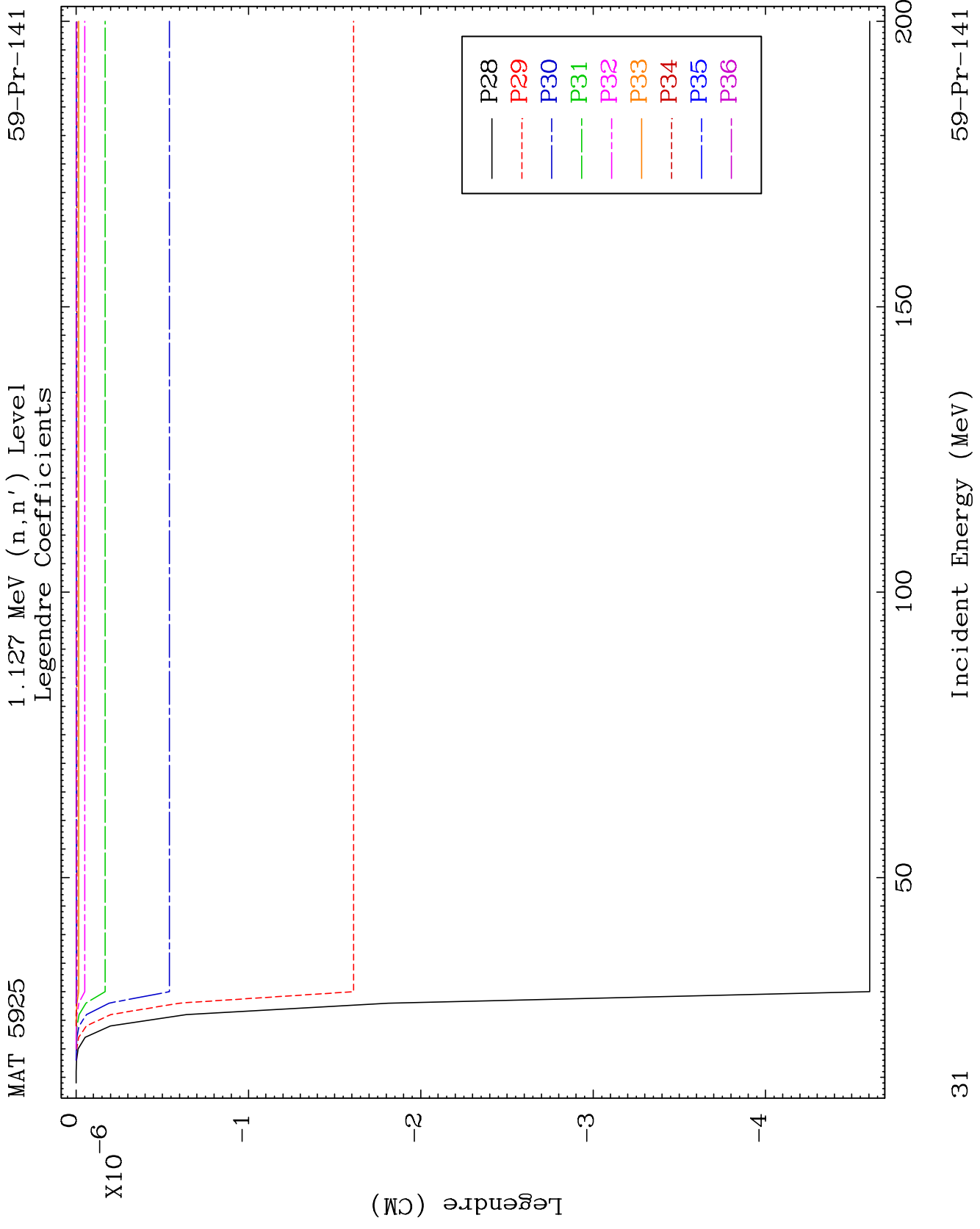
59-Pr-141



59-Pr-141

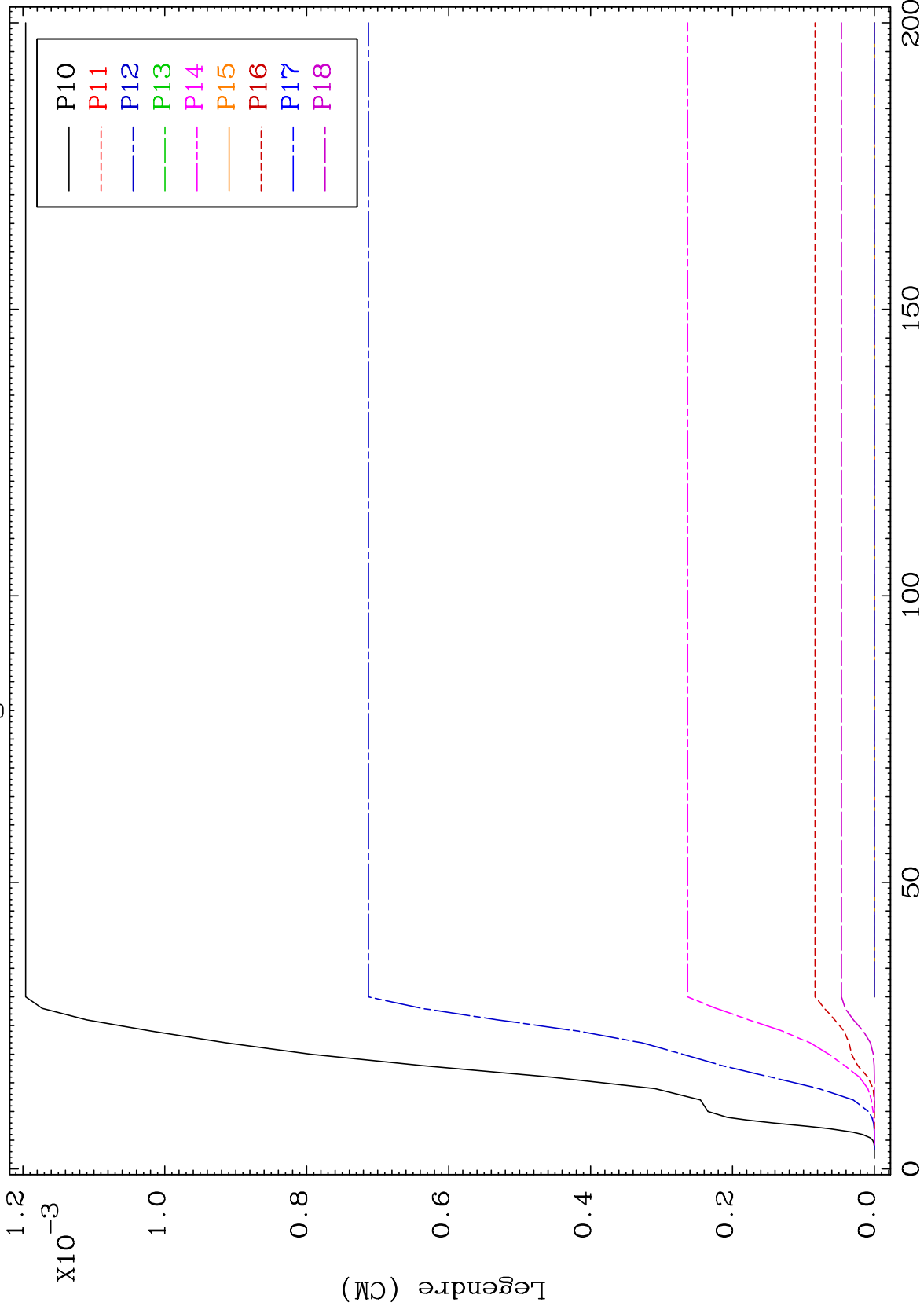
Incident Energy (MeV)

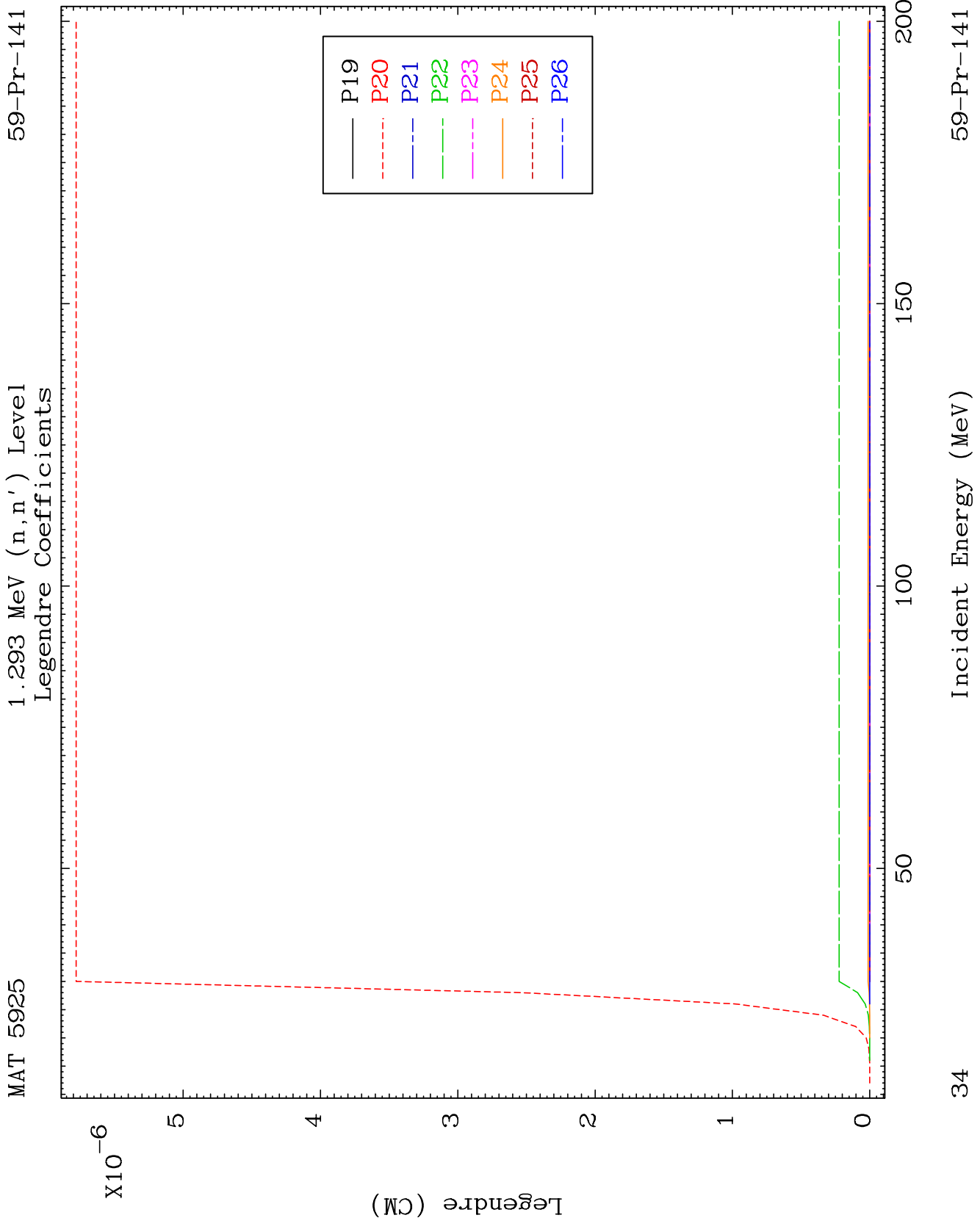
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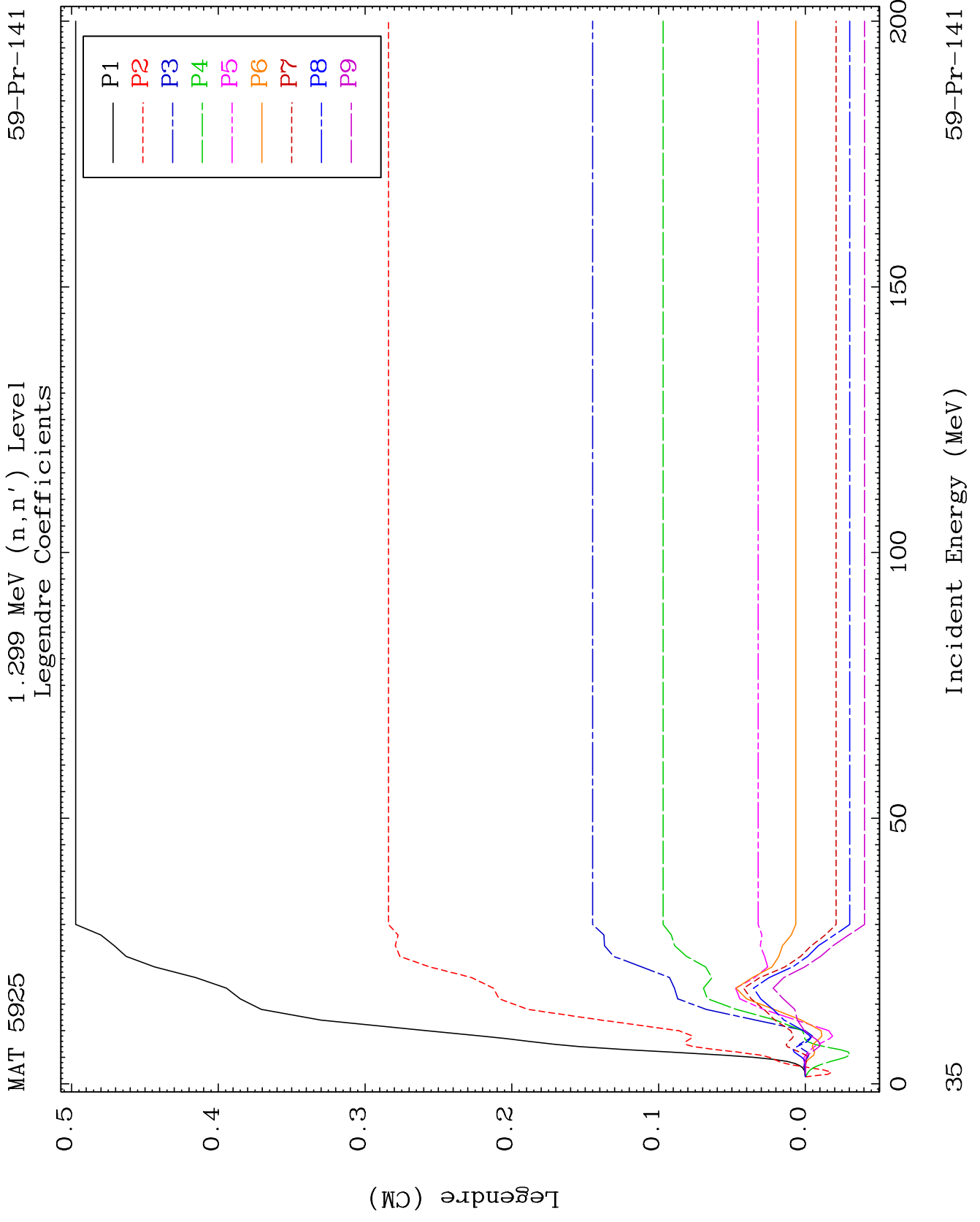


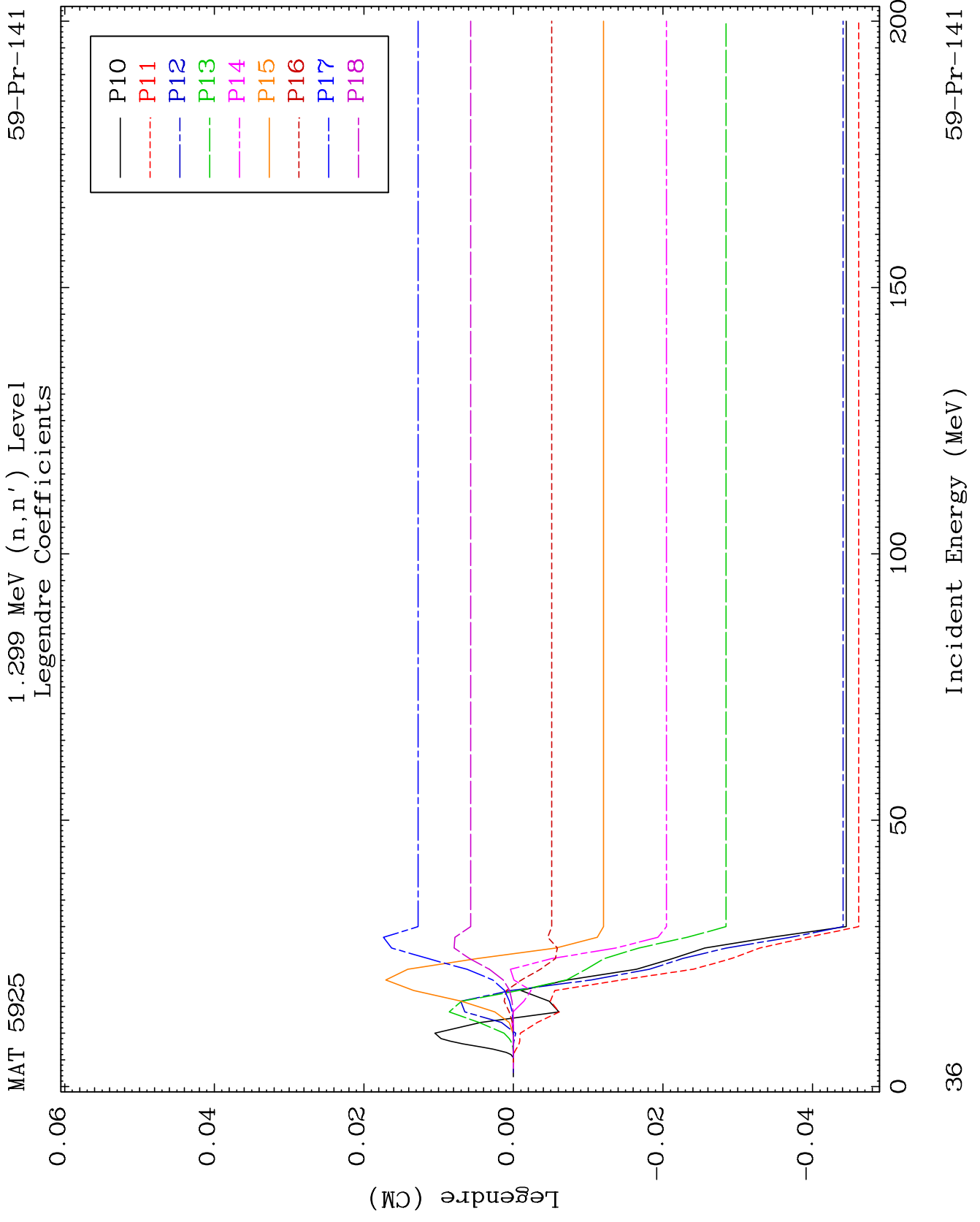


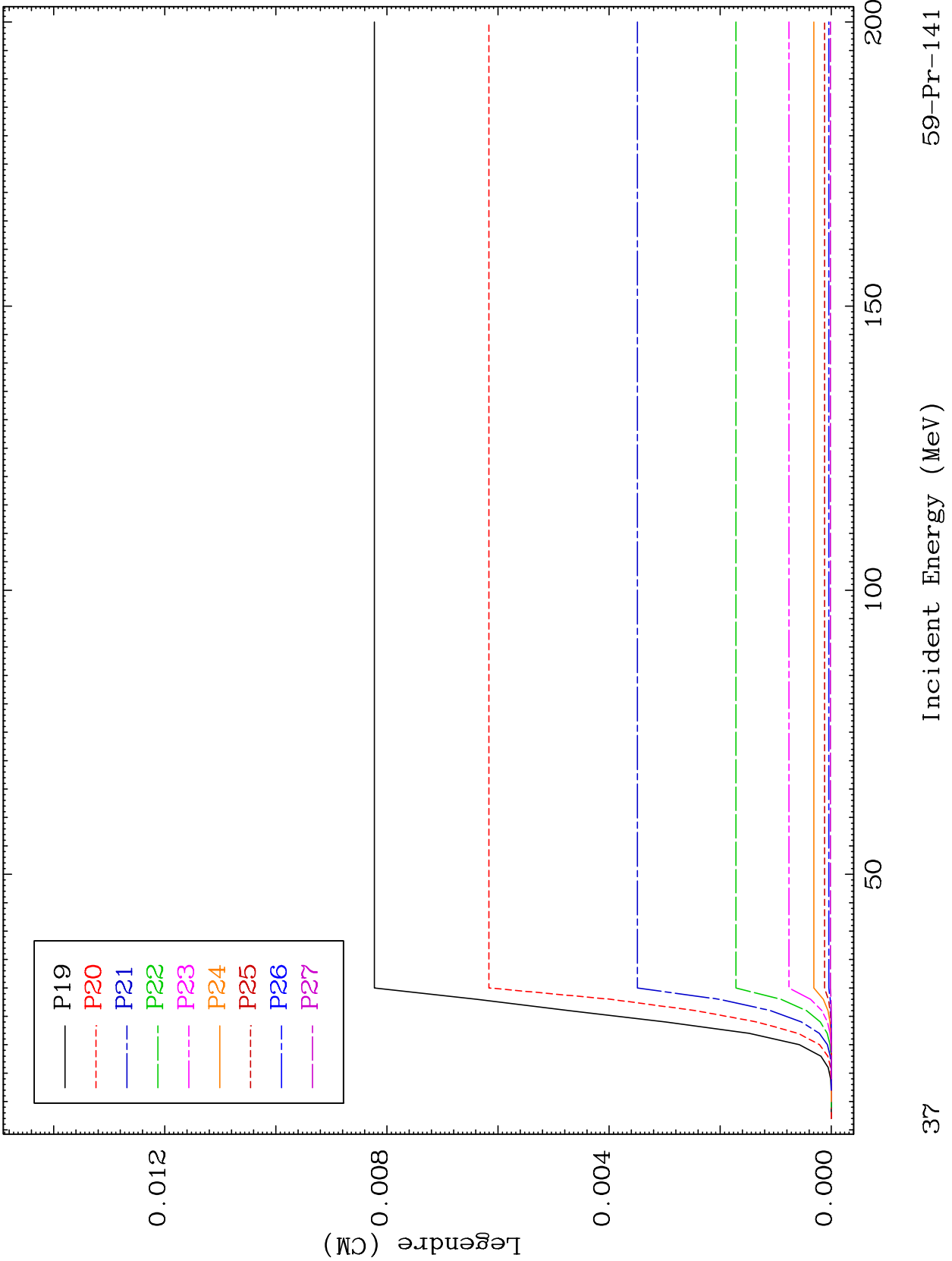


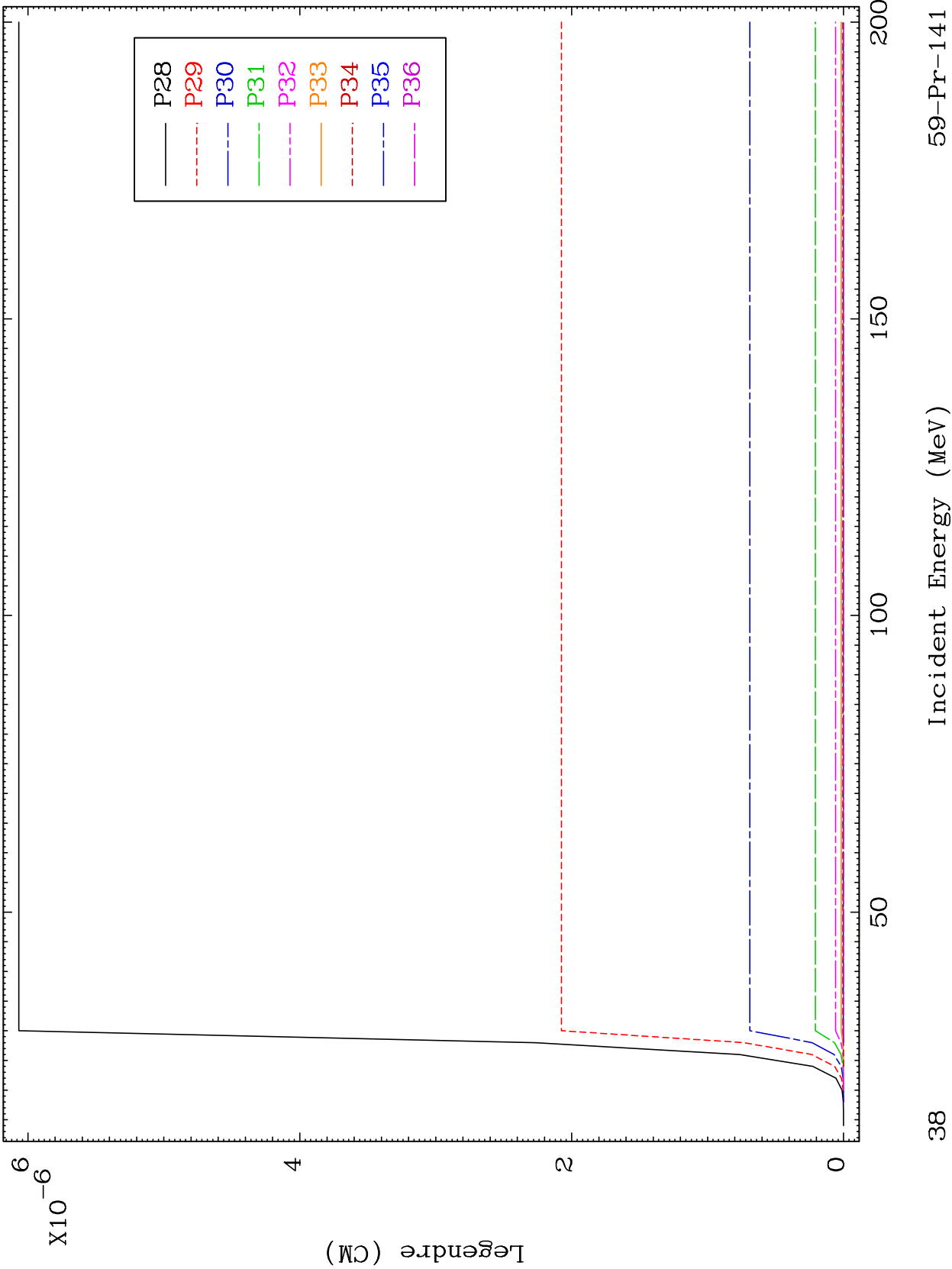








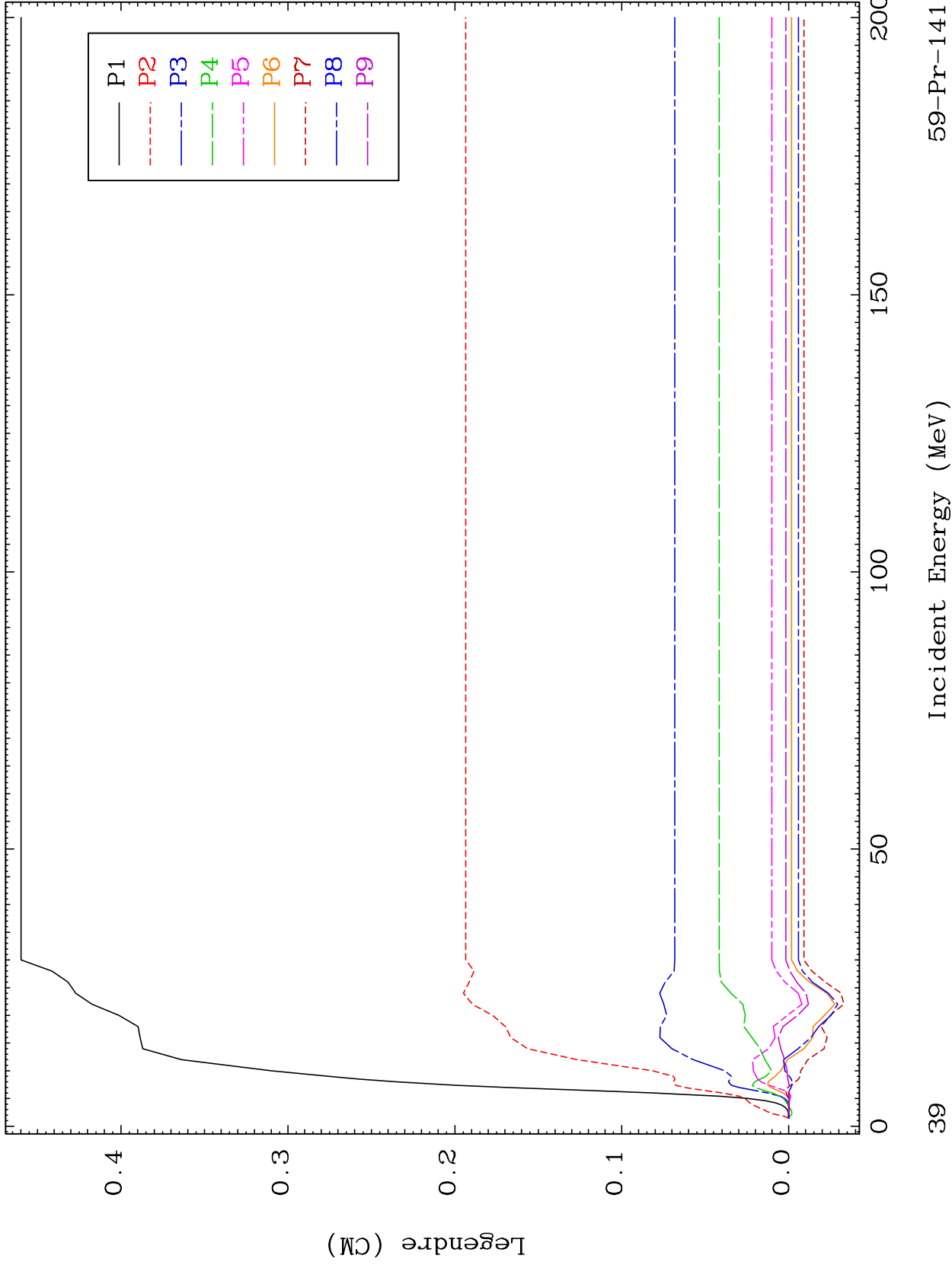




MAT 5925

1.436 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



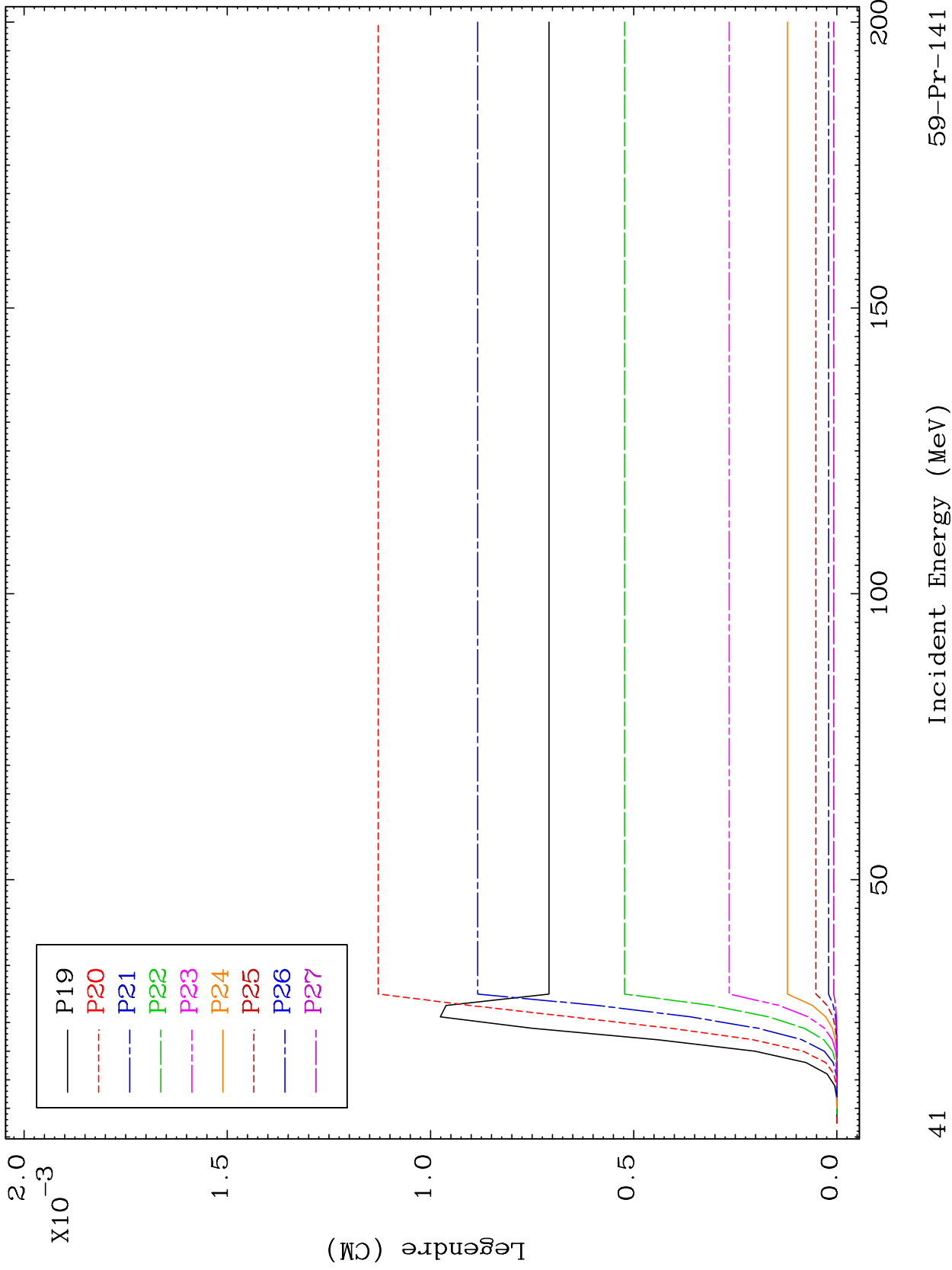
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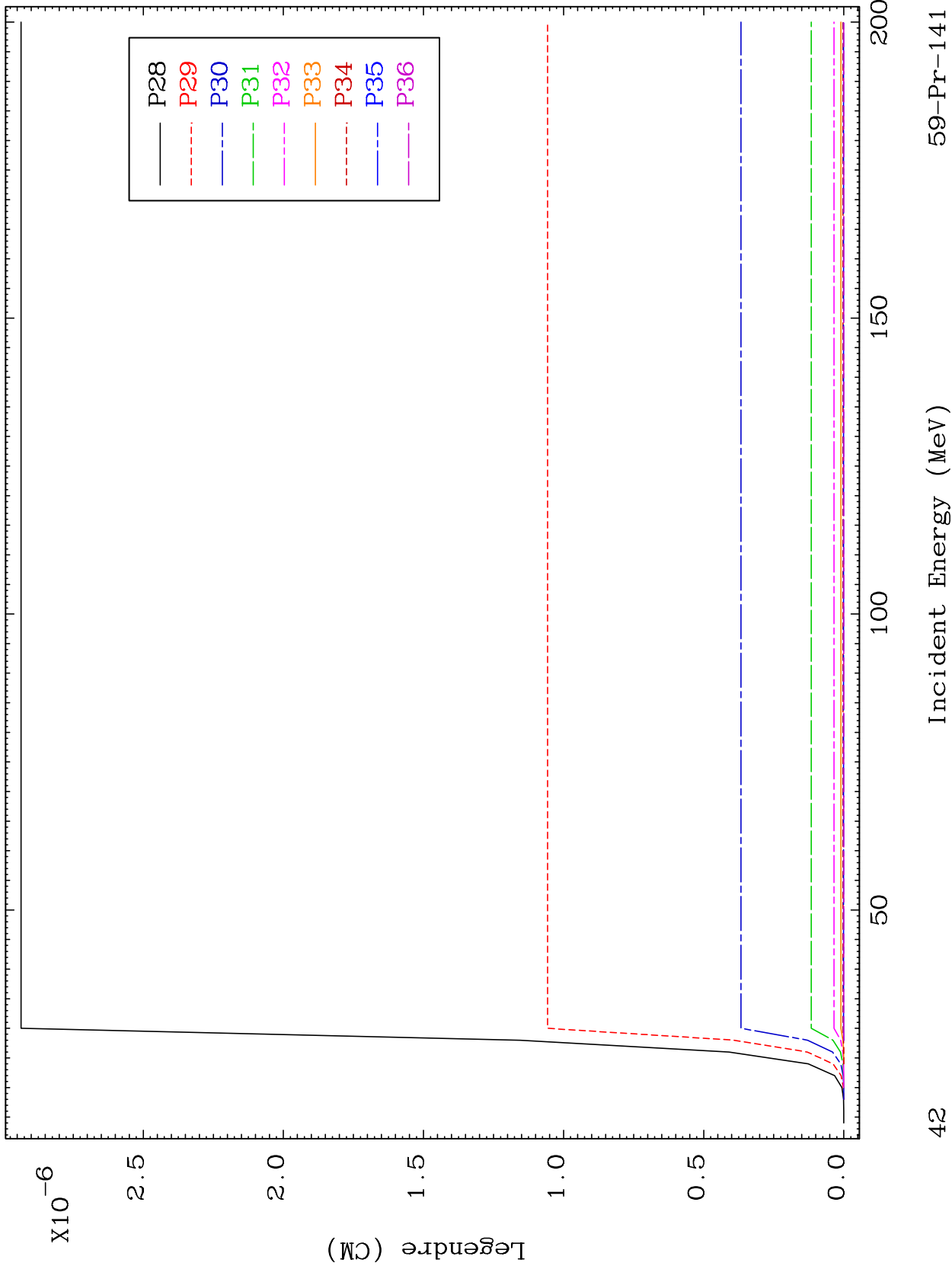
Incident Energy (MeV)

39





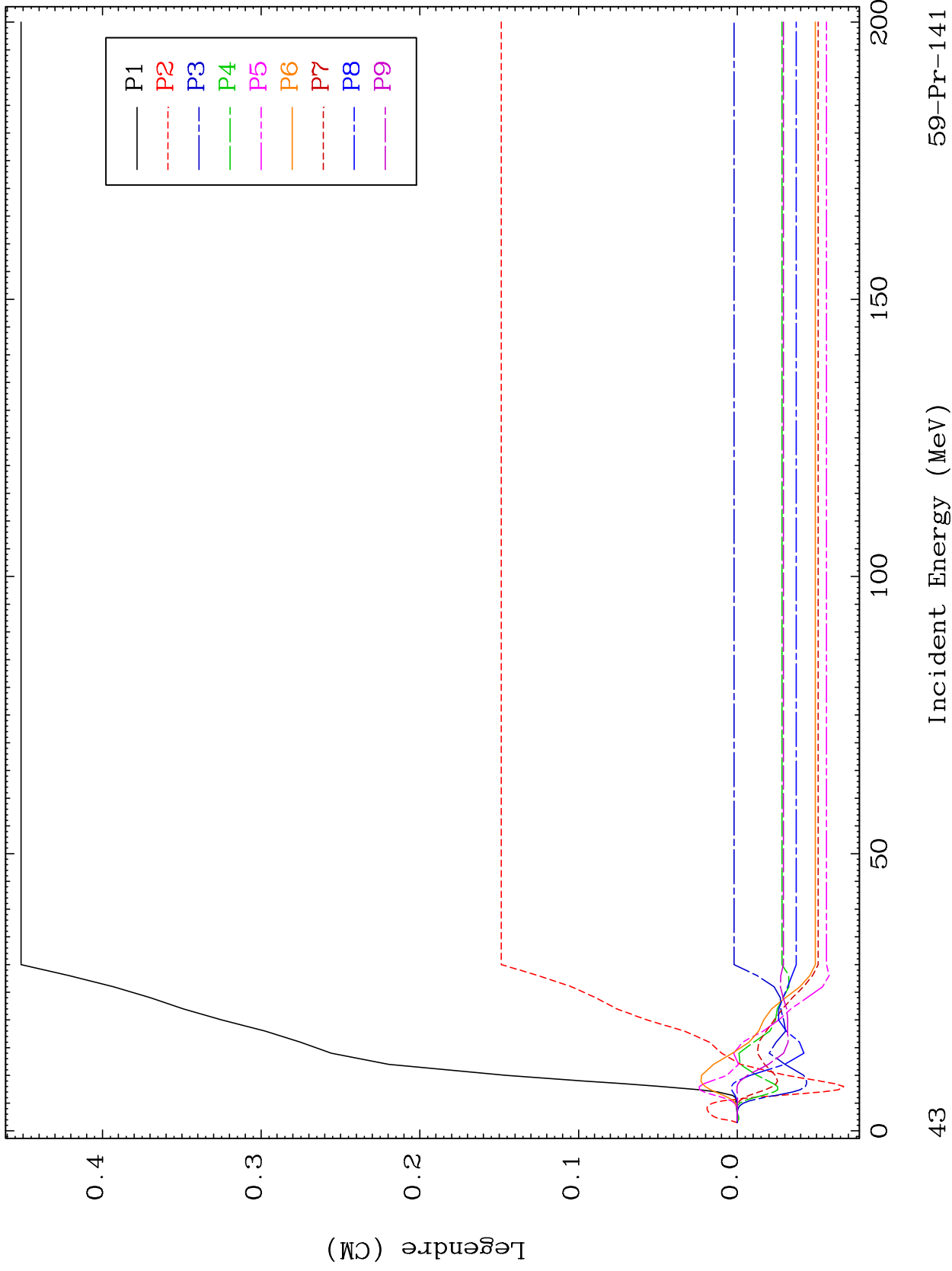




MAT 5925

1.452 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



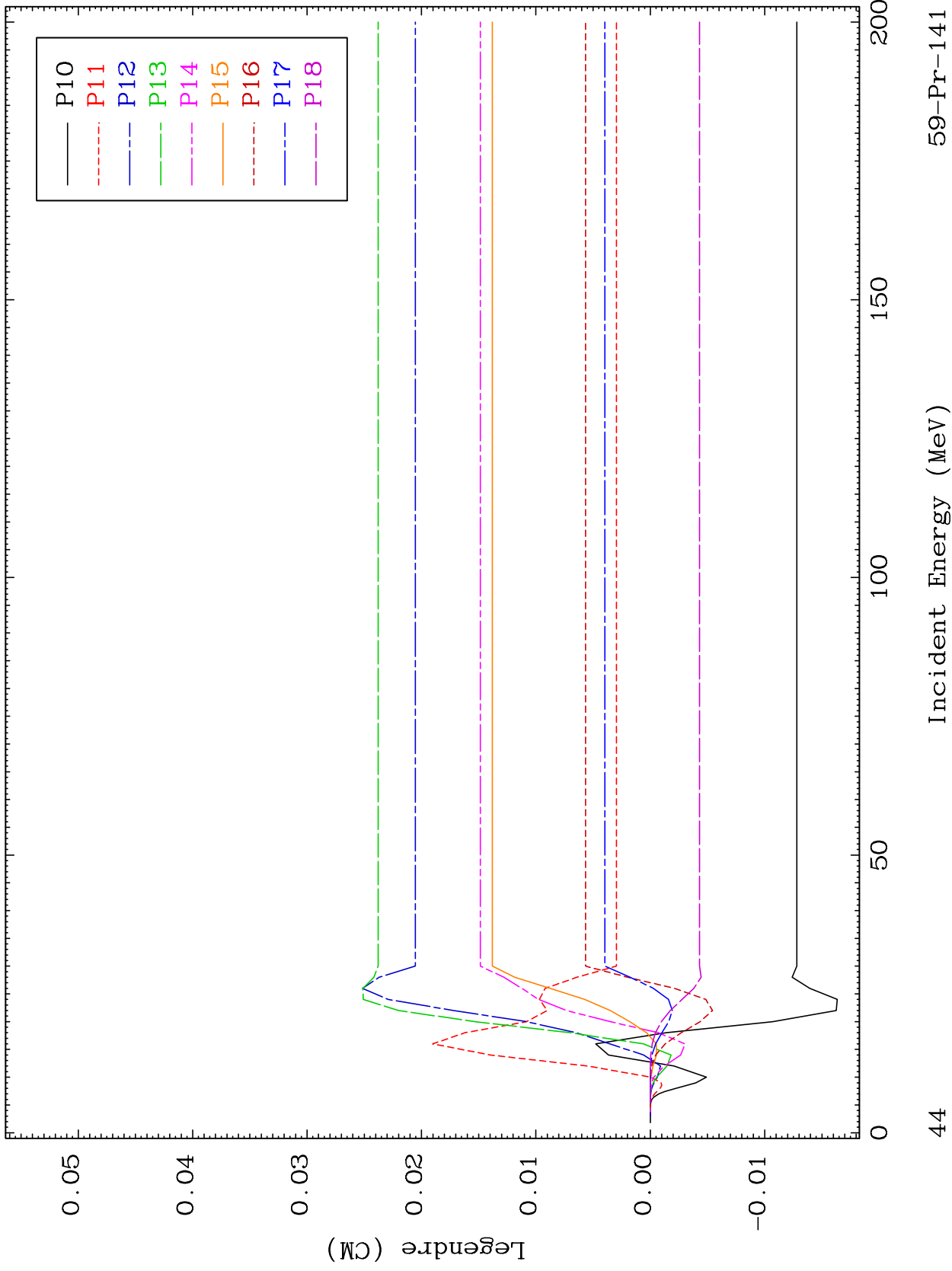
43

59-Pr-141

MAT 5925

1.452 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



59-Pr-141

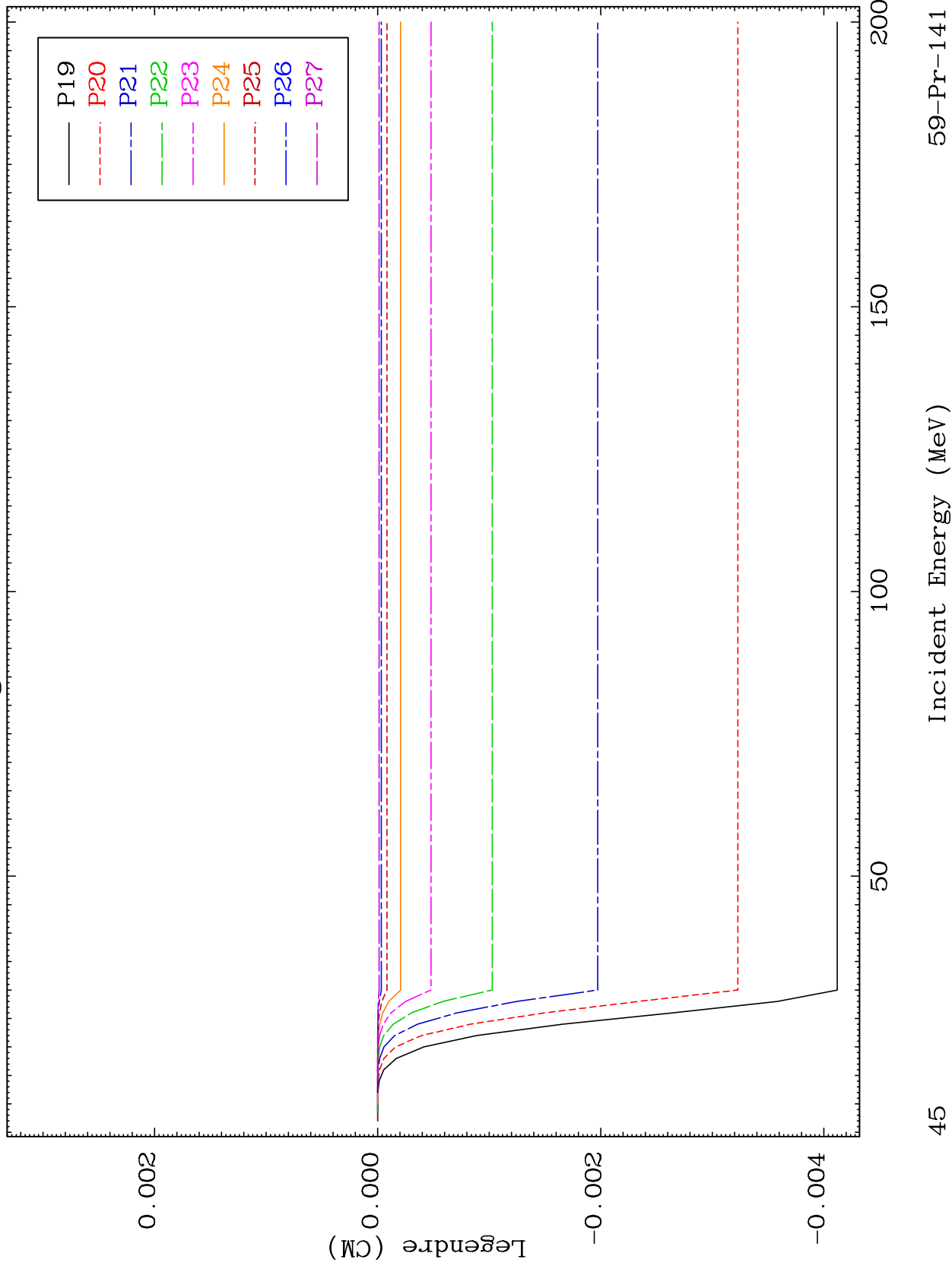
Incident Energy (MeV)

44

MAT 5925

1.452 MeV (n,n') Level  
Legendre Coefficients

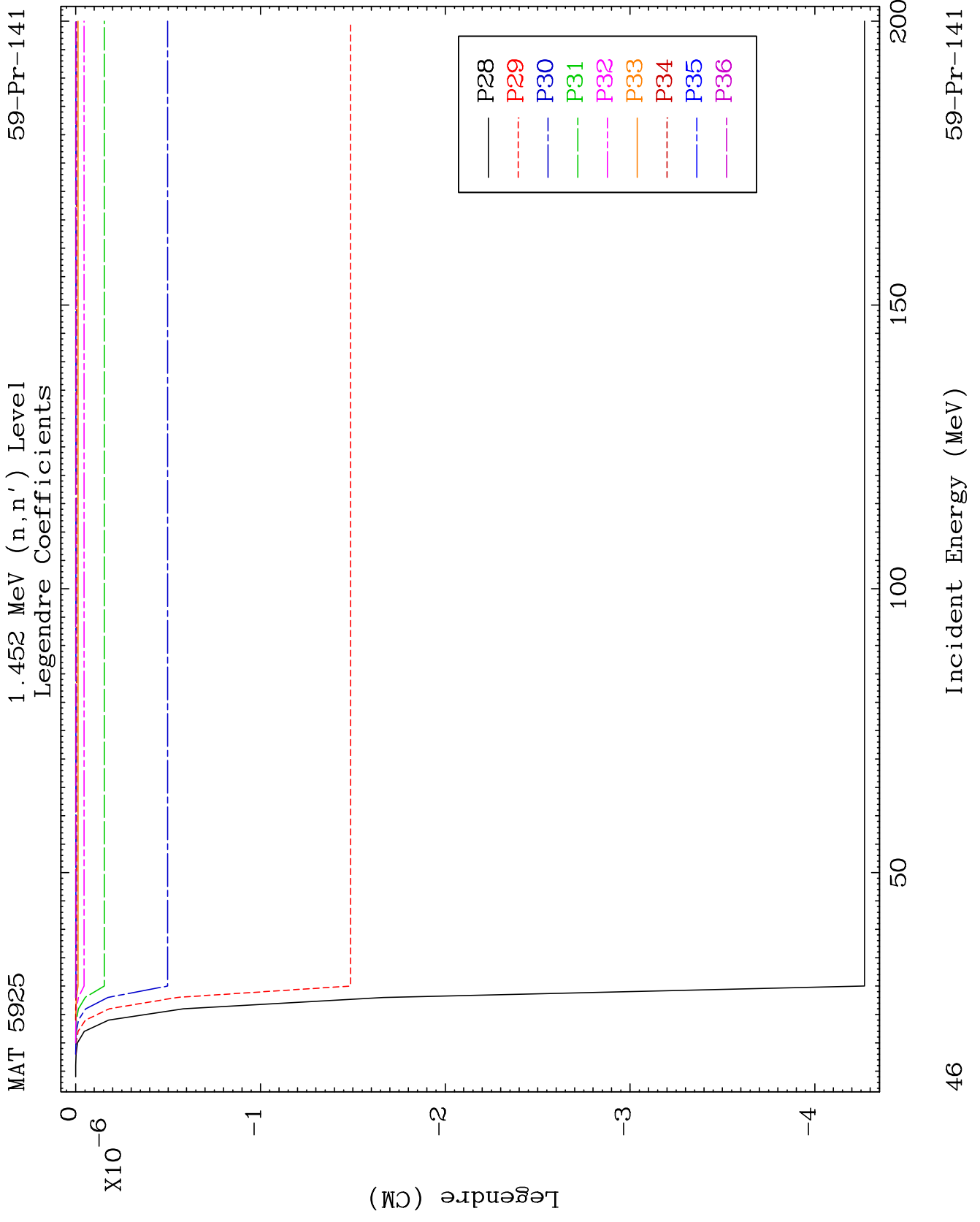
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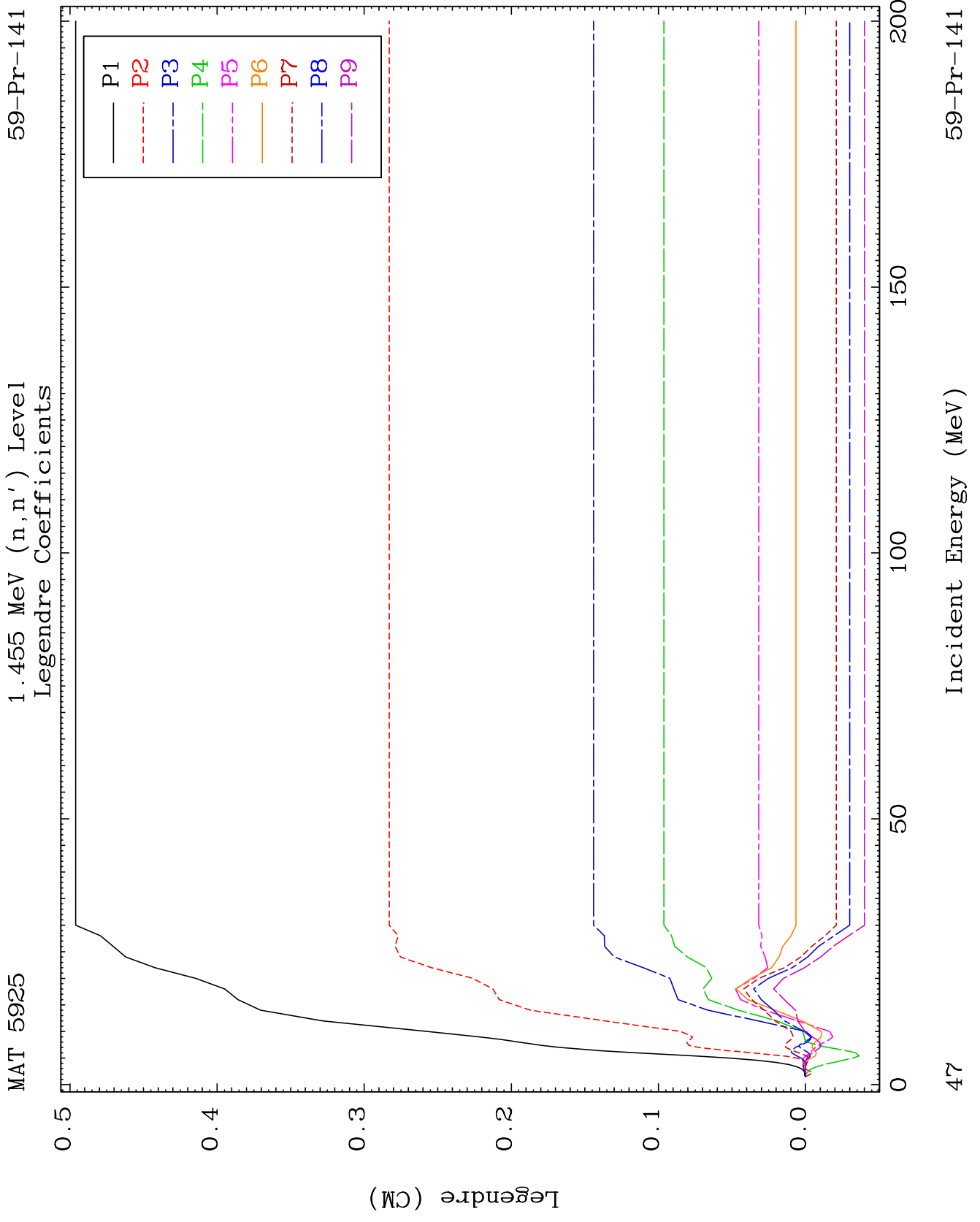


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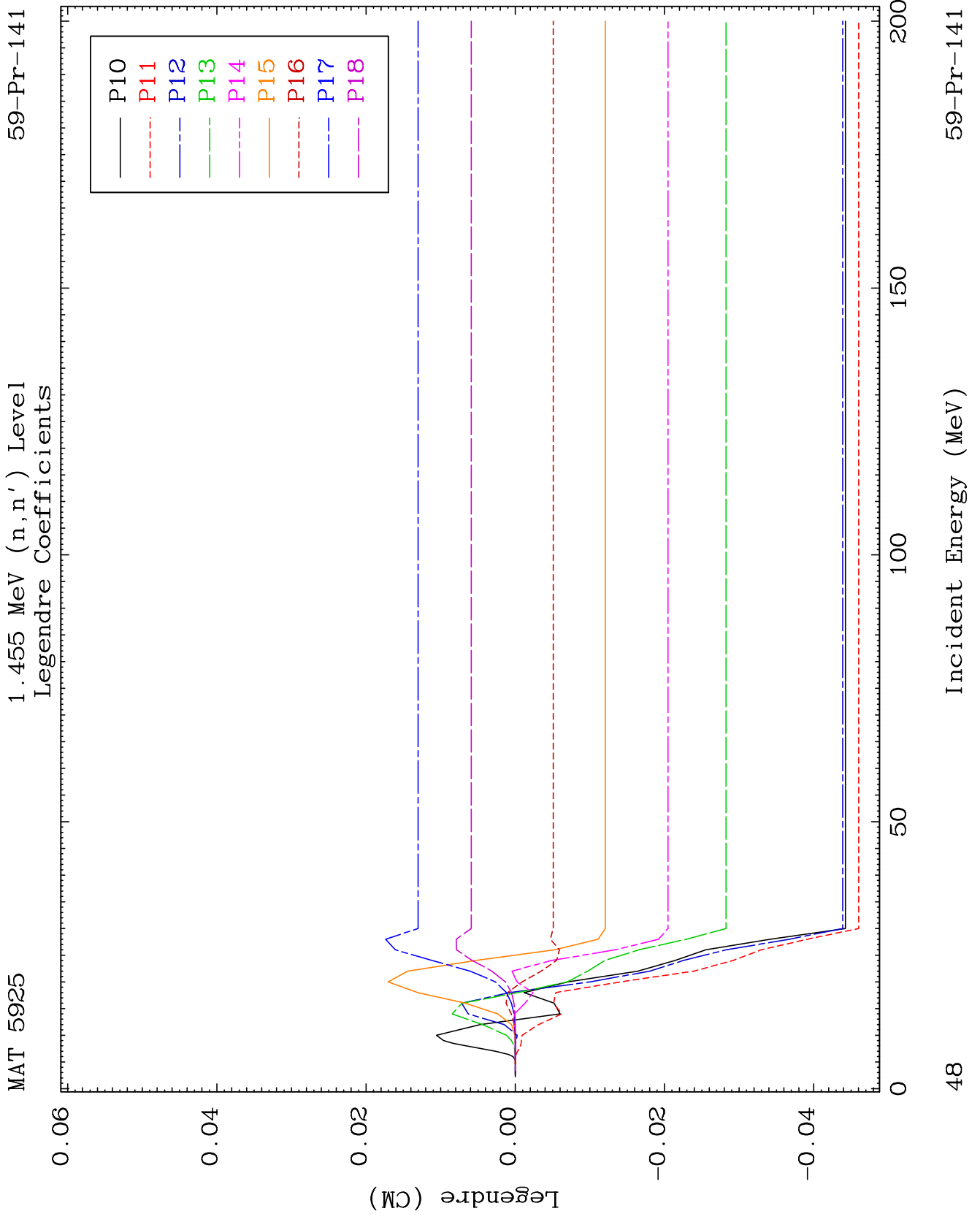
Incident Energy (MeV)

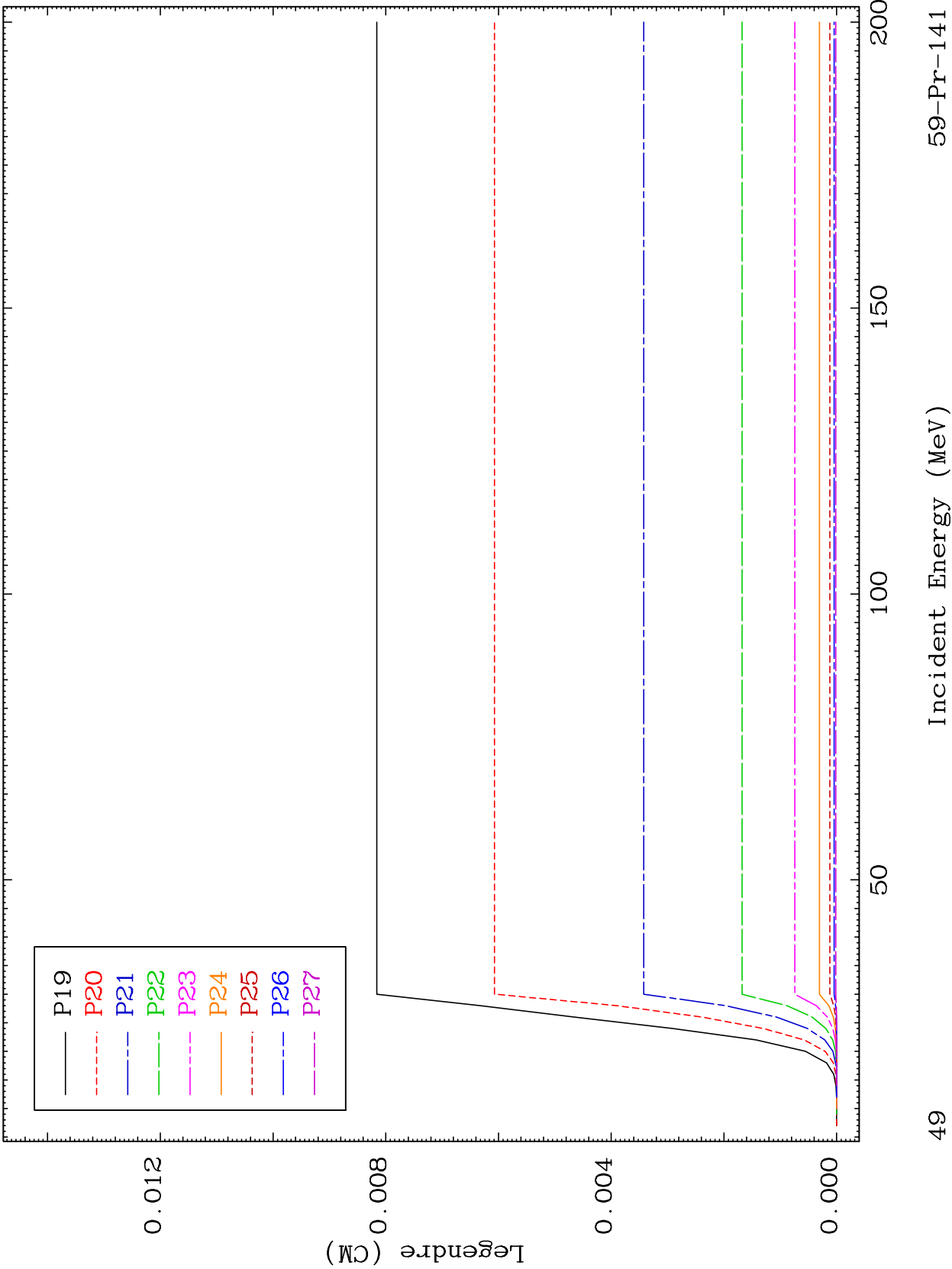
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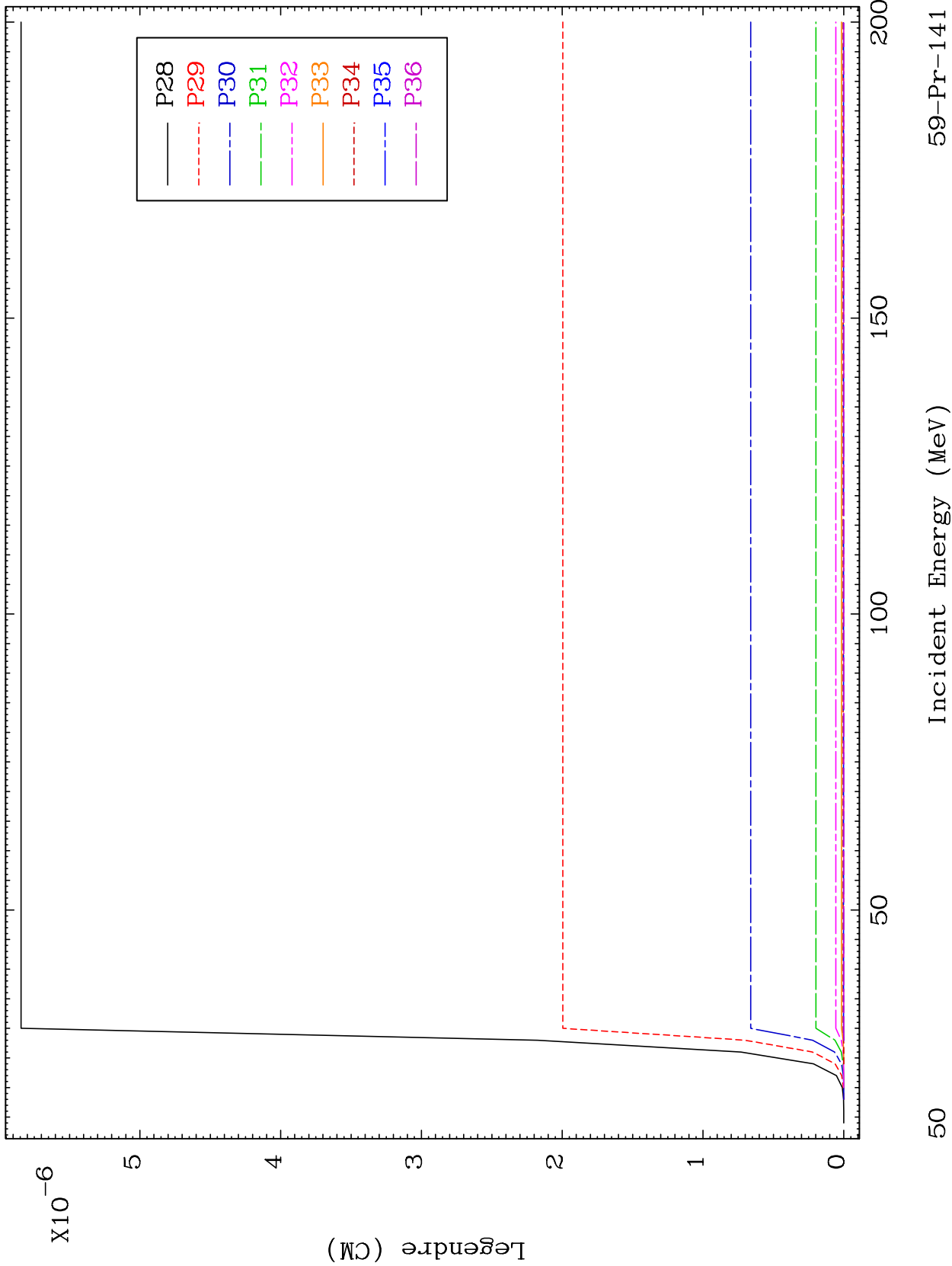




MAT 5925

1.455 MeV (n,n') Level  
Legendre Coefficients

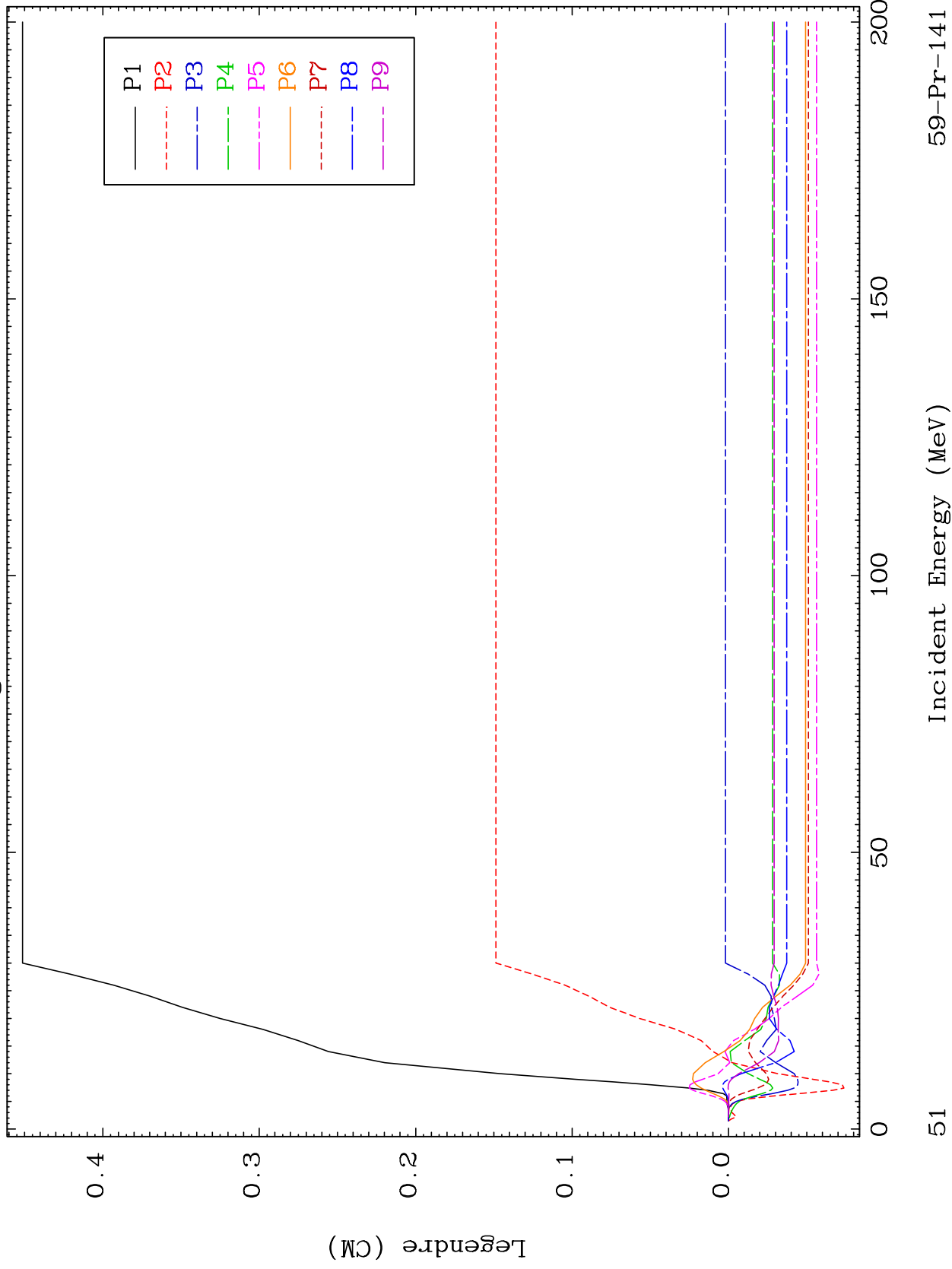
59-Pr-141



MAT 5925

1.457 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



59-Pr-141

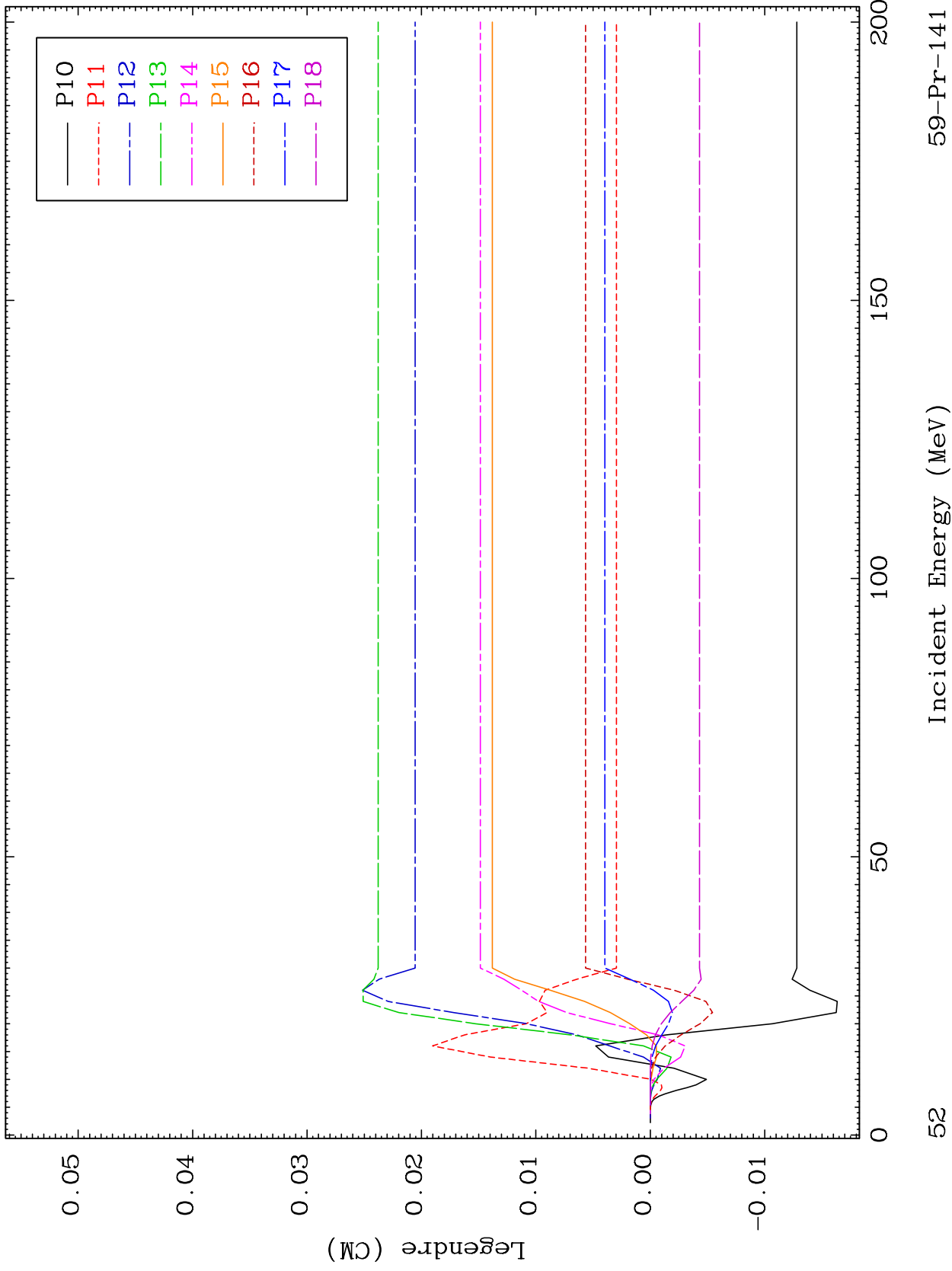
Incident Energy (MeV)

51

MAT 5925

1.457 MeV (n,n') Level  
Legendre Coefficients

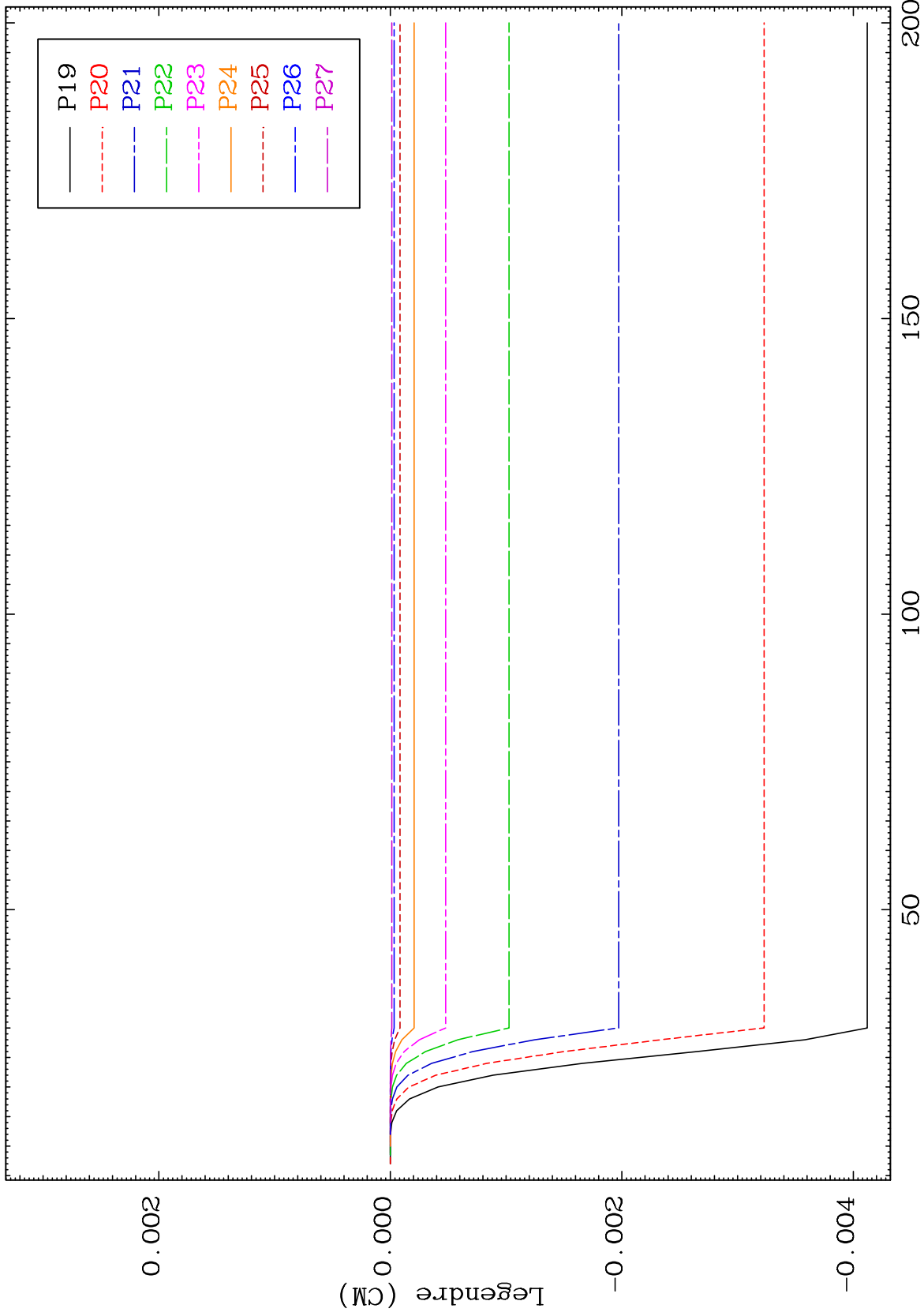
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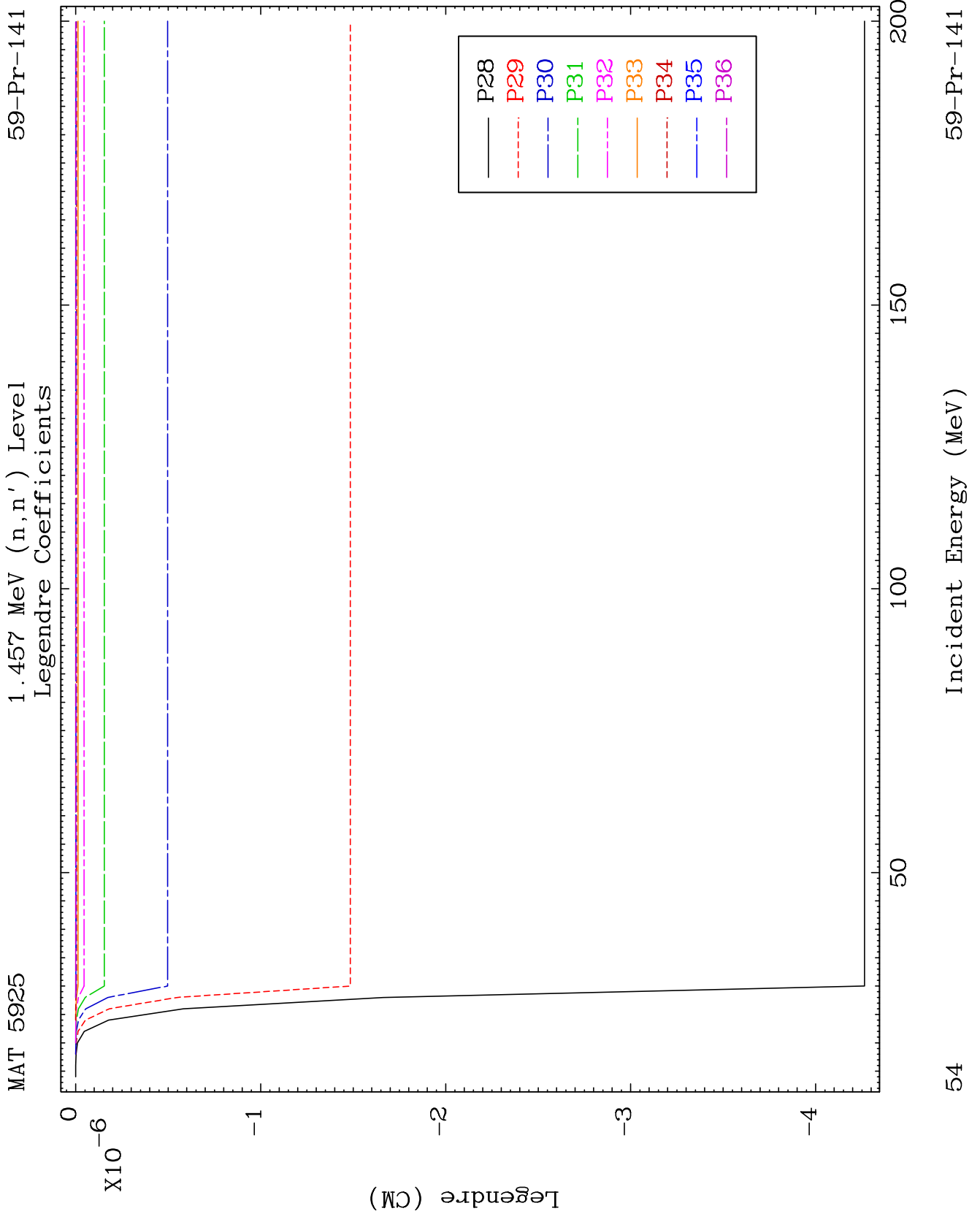


59-Pr-141

Incident Energy (MeV)

52

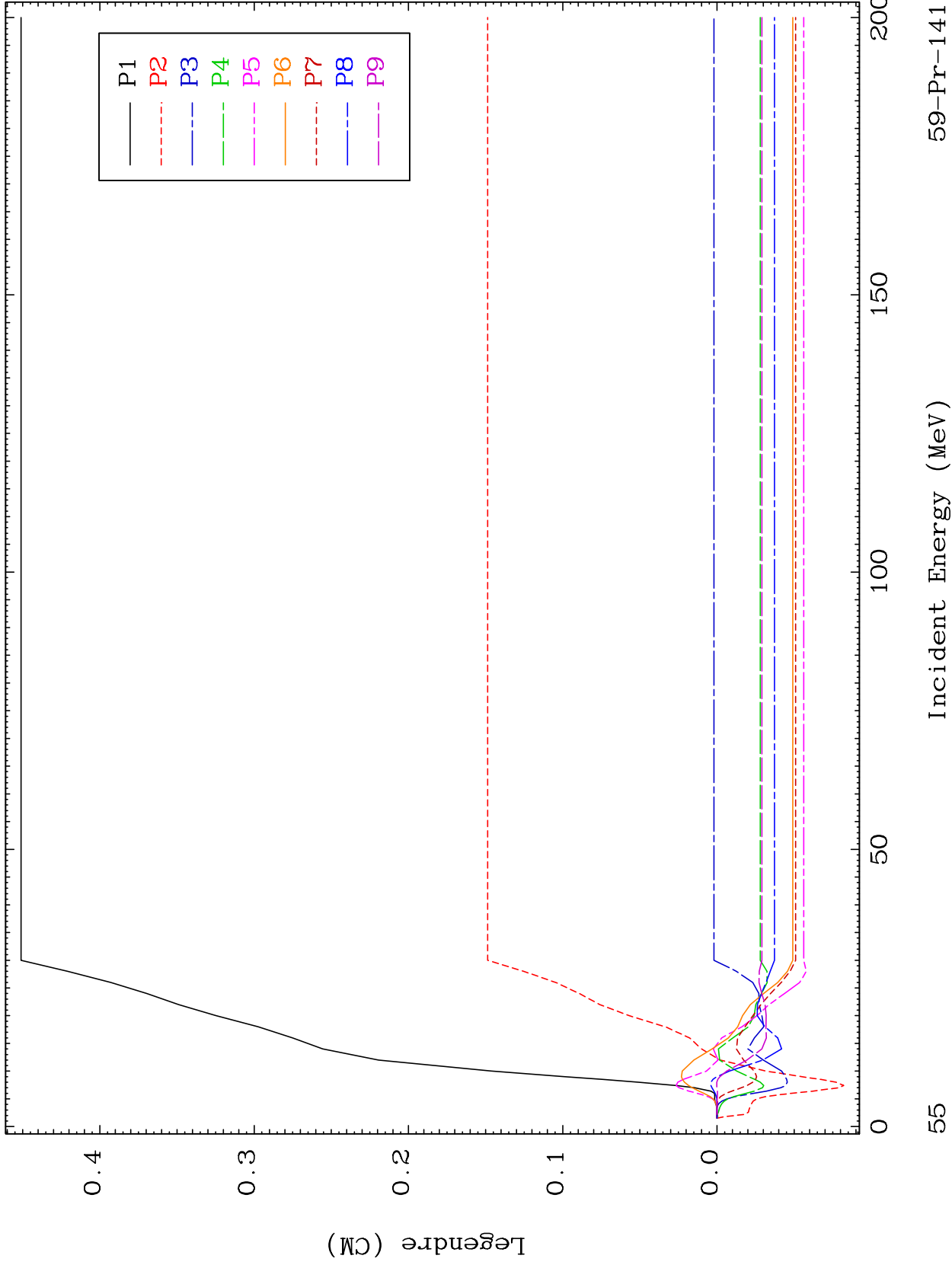




MAT 5925

1.495 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



59-Pr-141

Incident Energy (MeV)

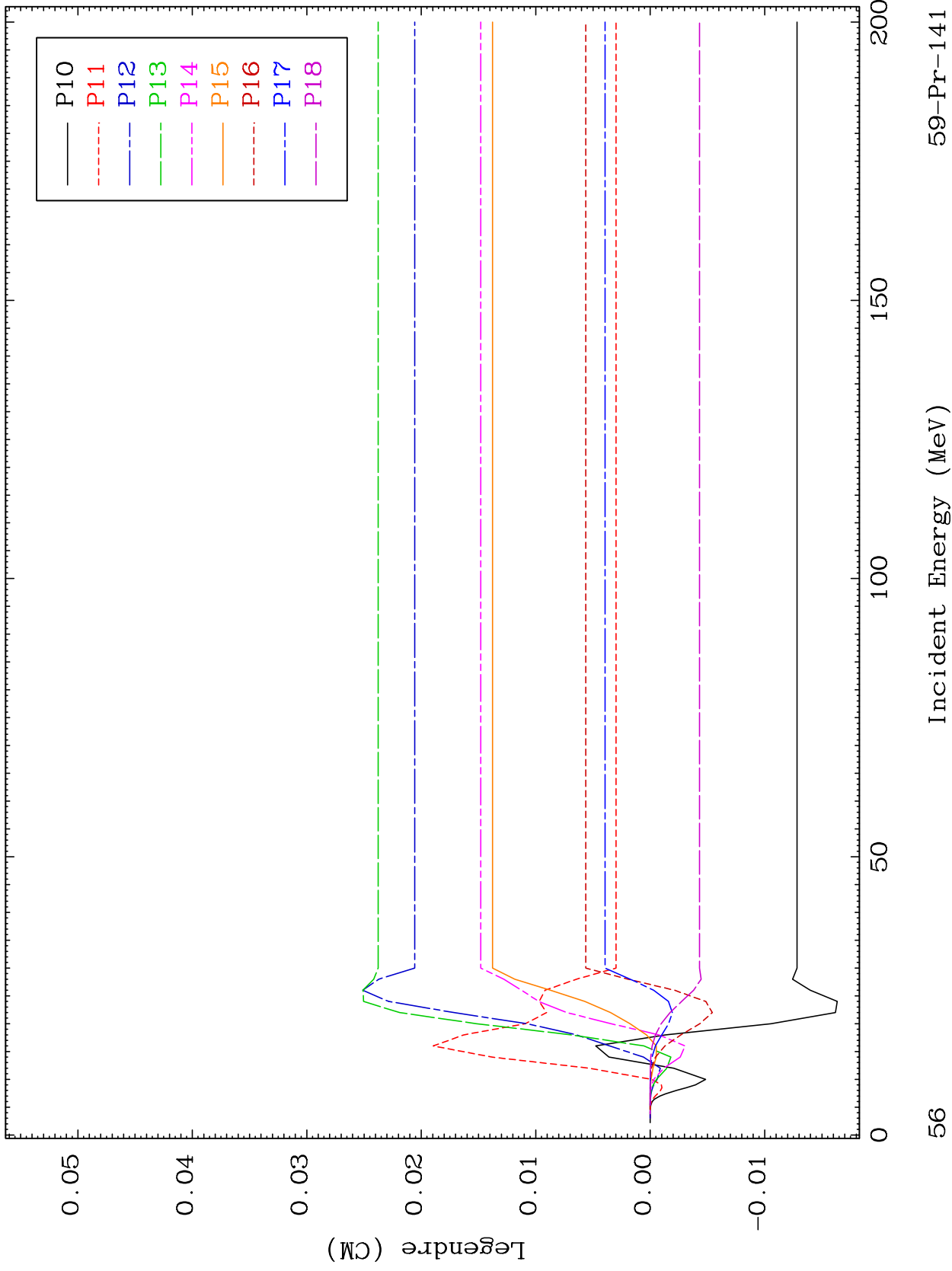
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MAT 5925

1.495 MeV (n,n') Level  
Legendre Coefficients

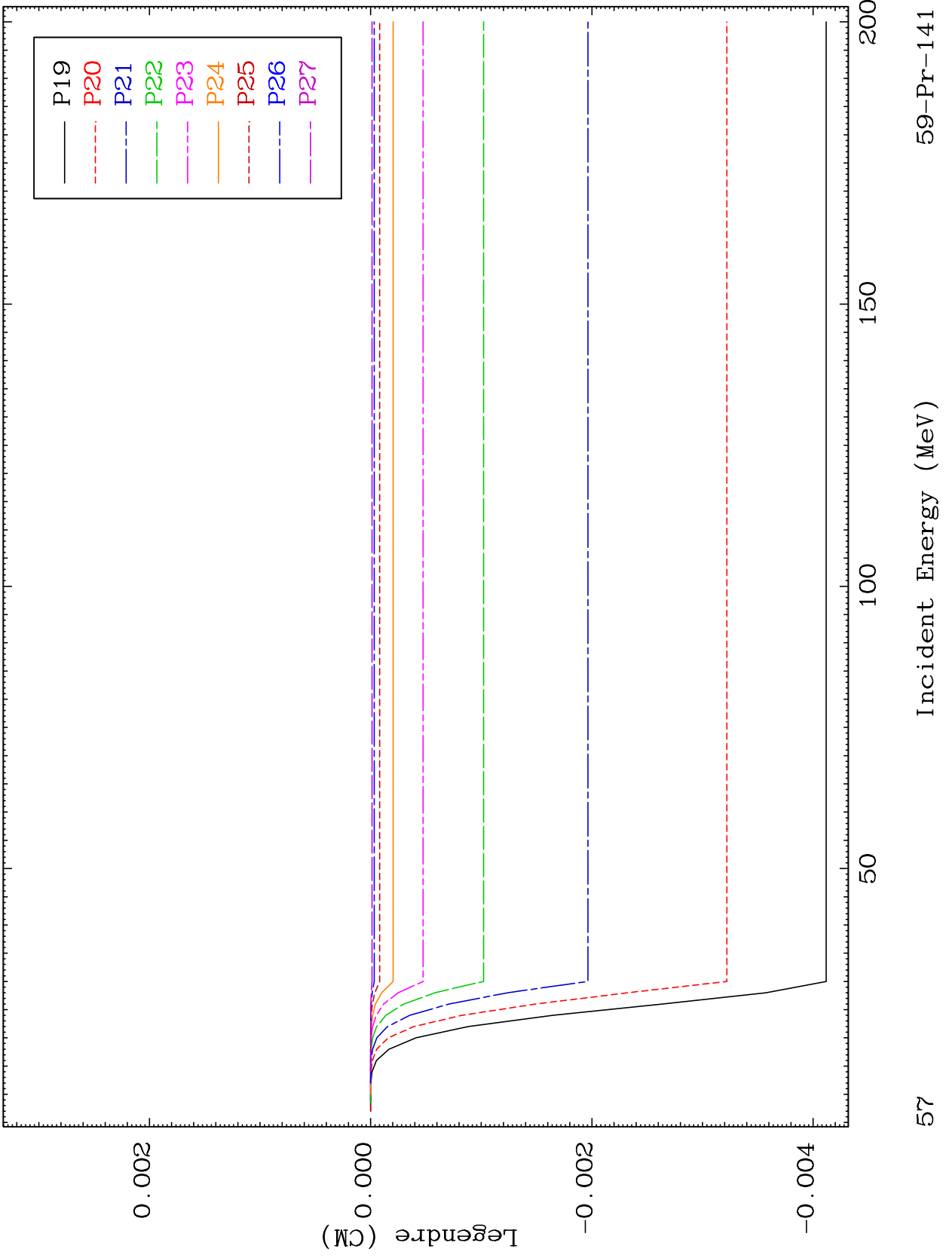
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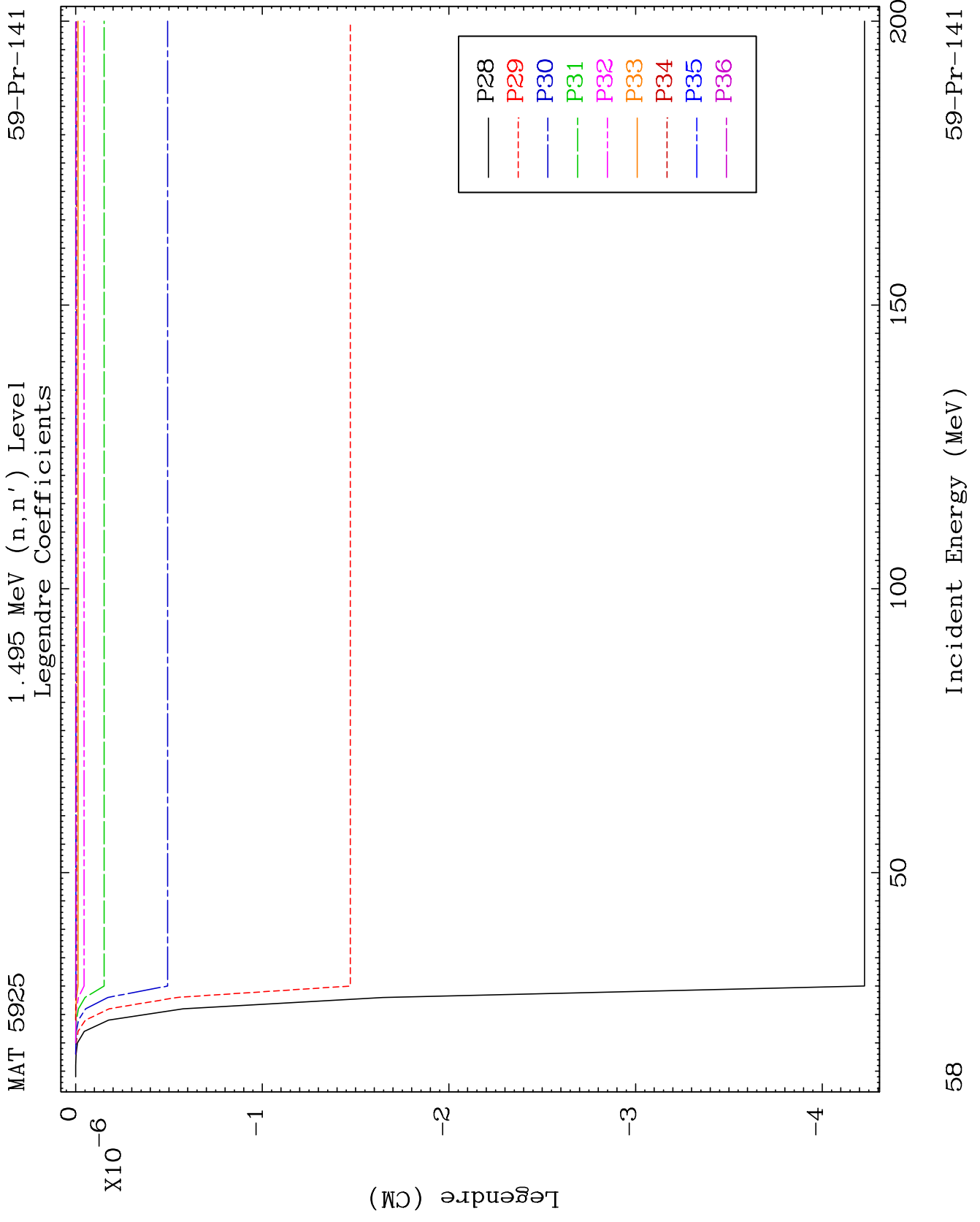


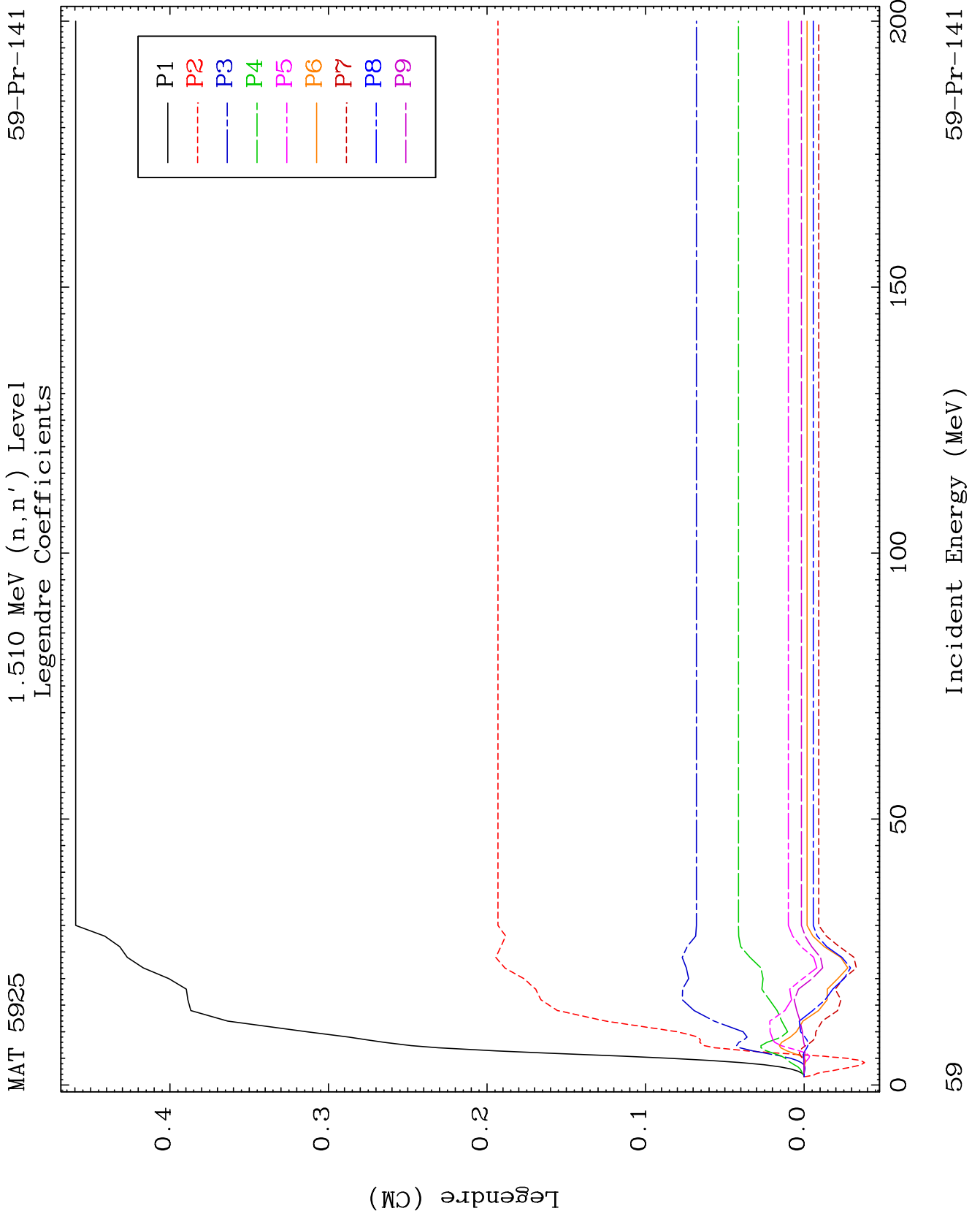
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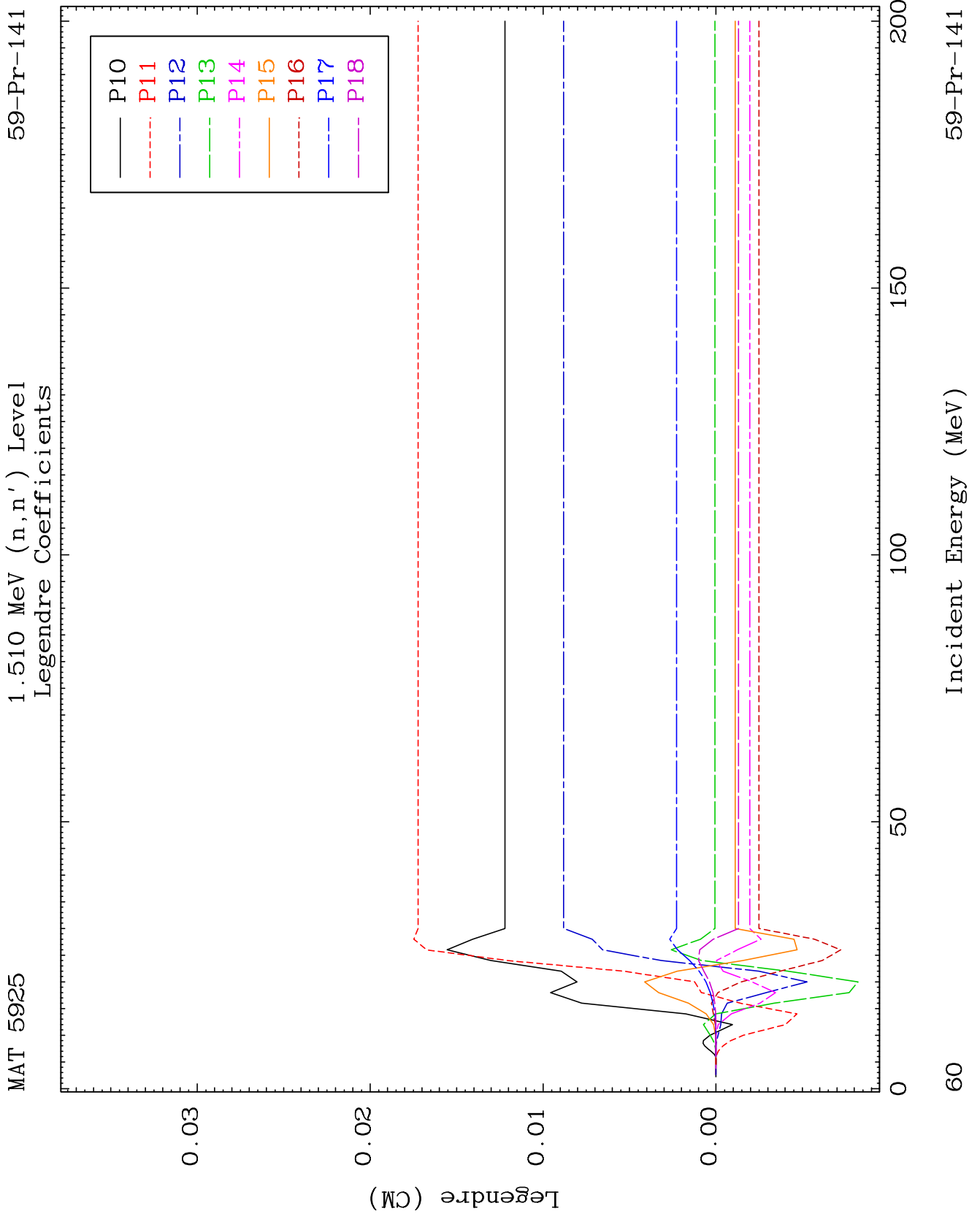
Incident Energy (MeV)

56

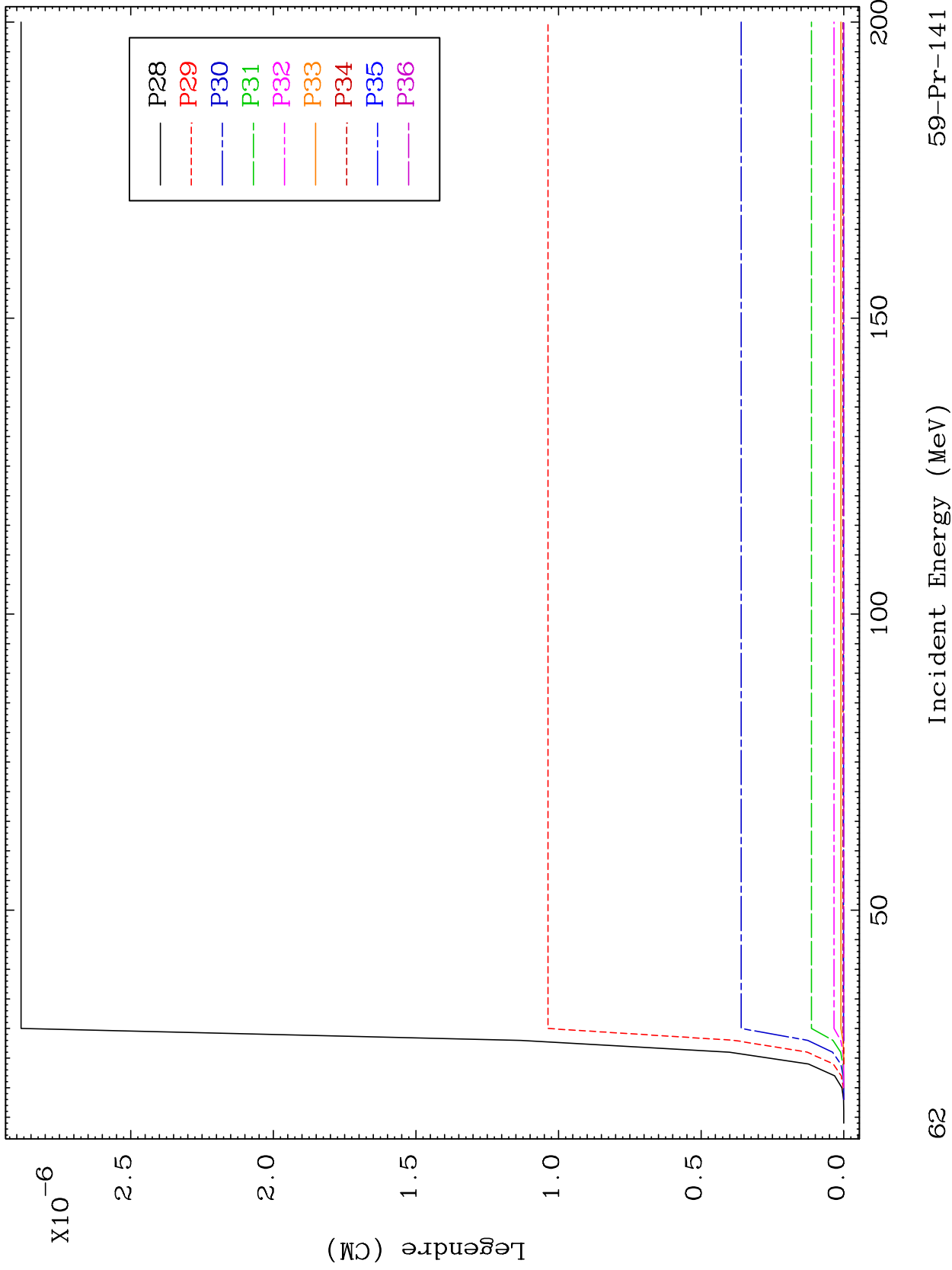


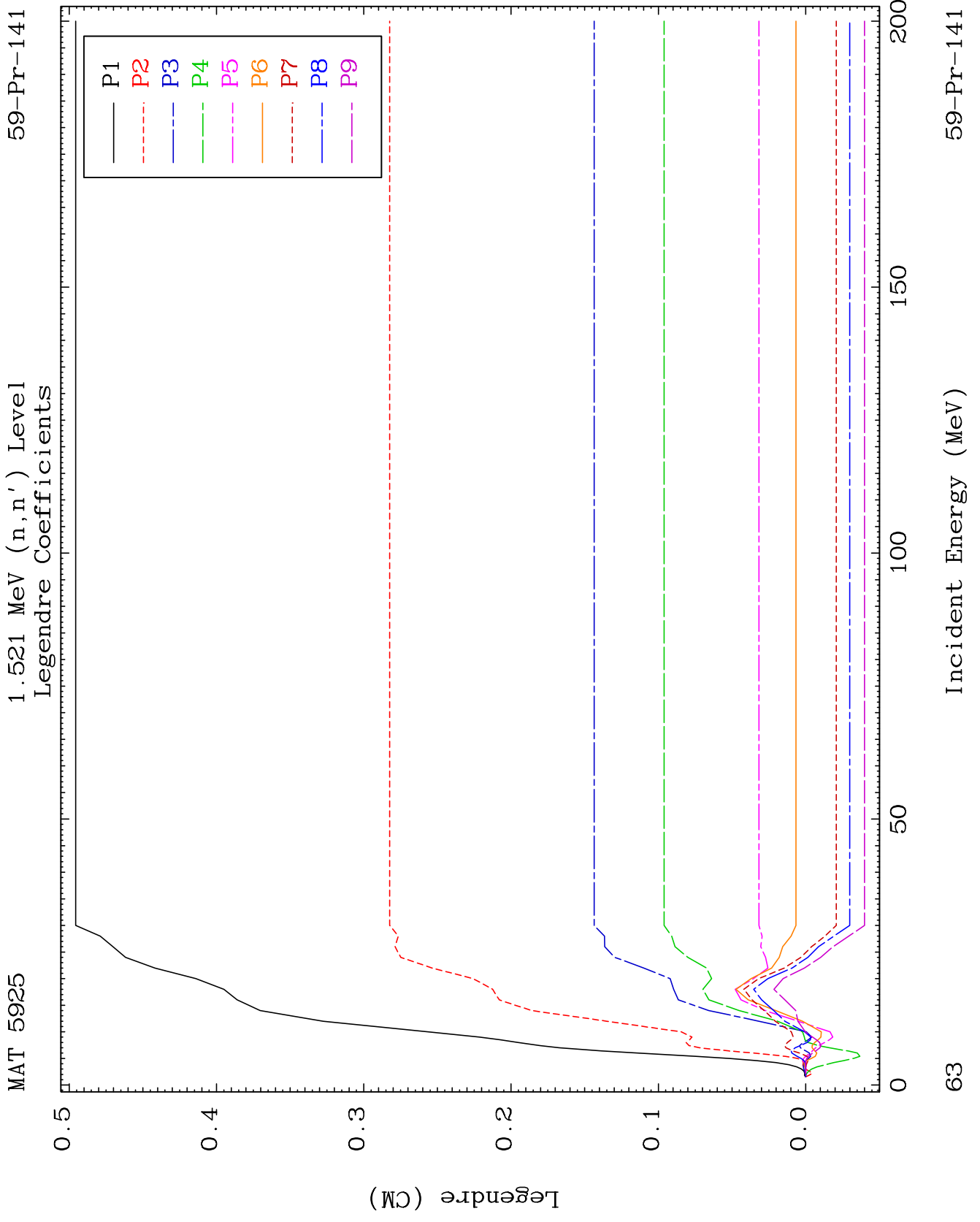




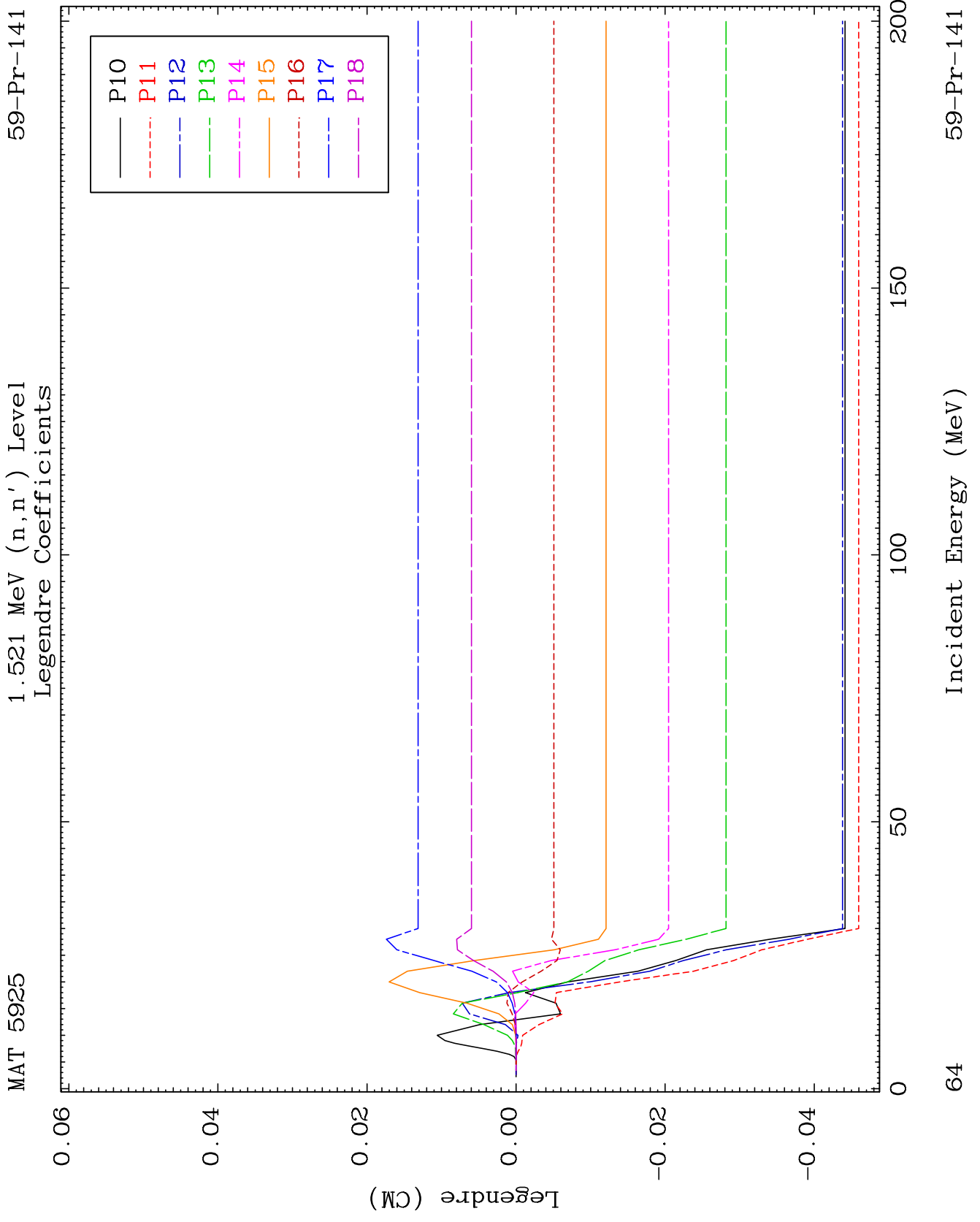








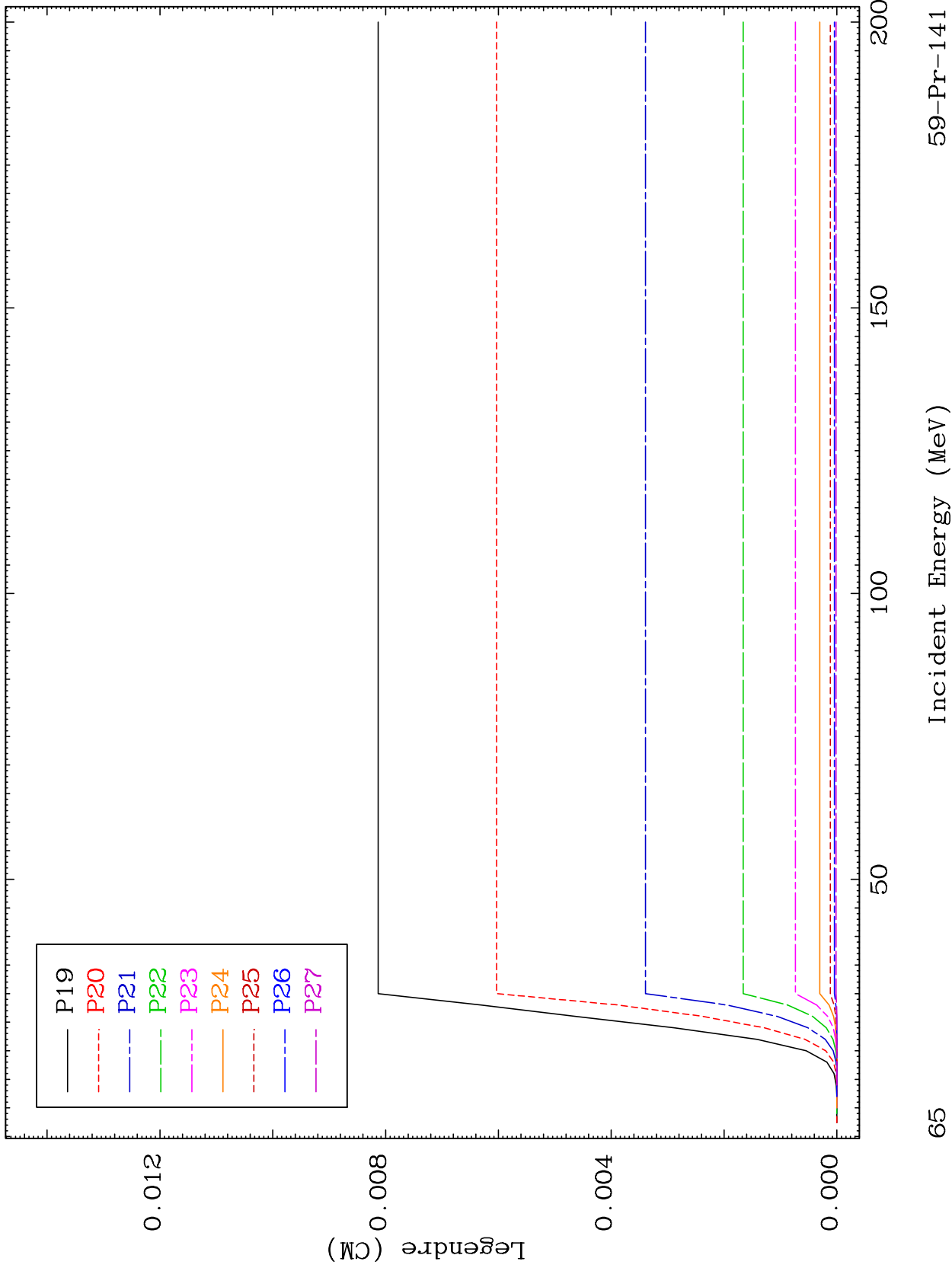




MAT 5925

1.521 MeV (n,n') Level  
Legendre Coefficients

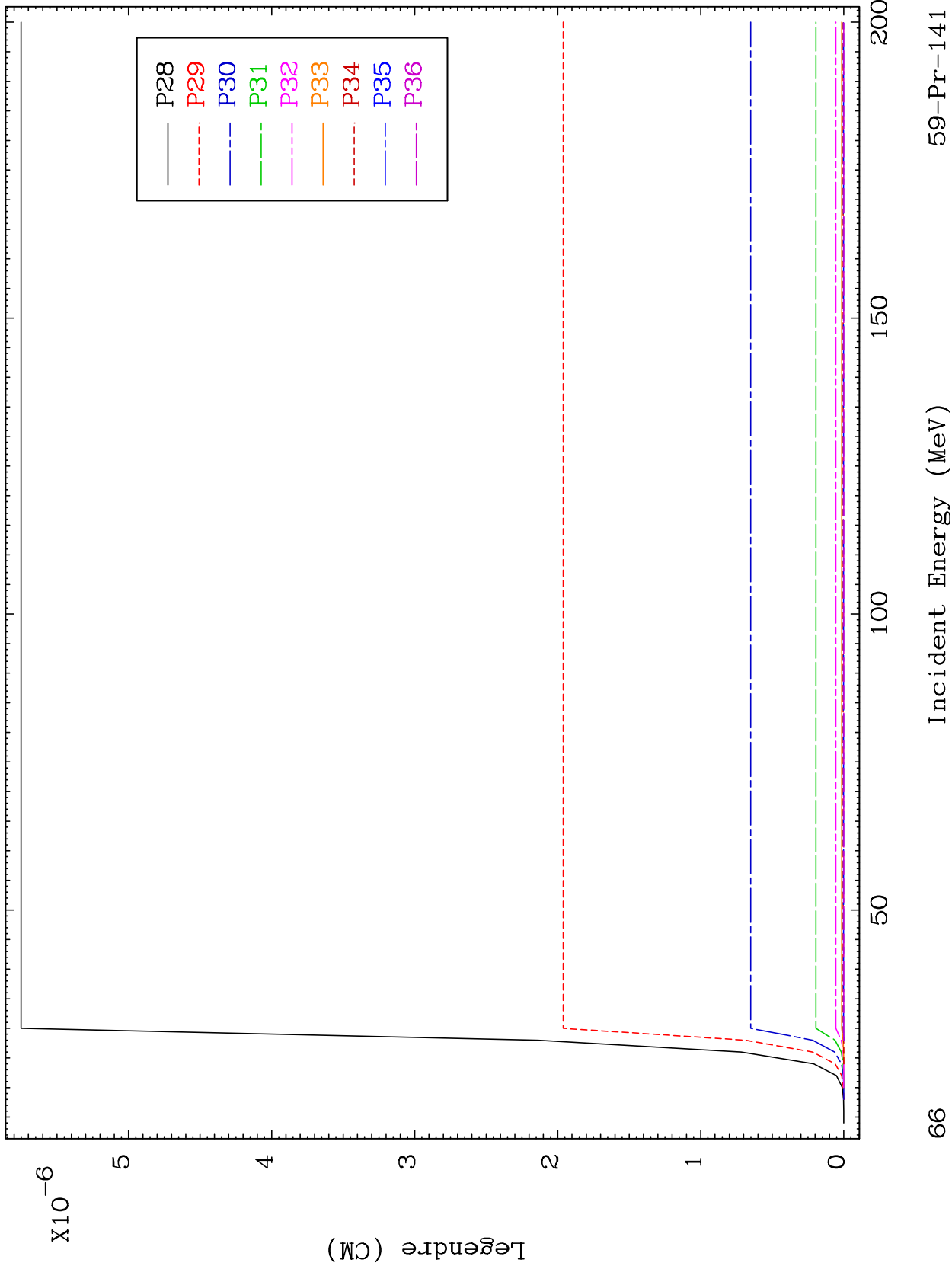
59-Pr-141



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Incident Energy (MeV)

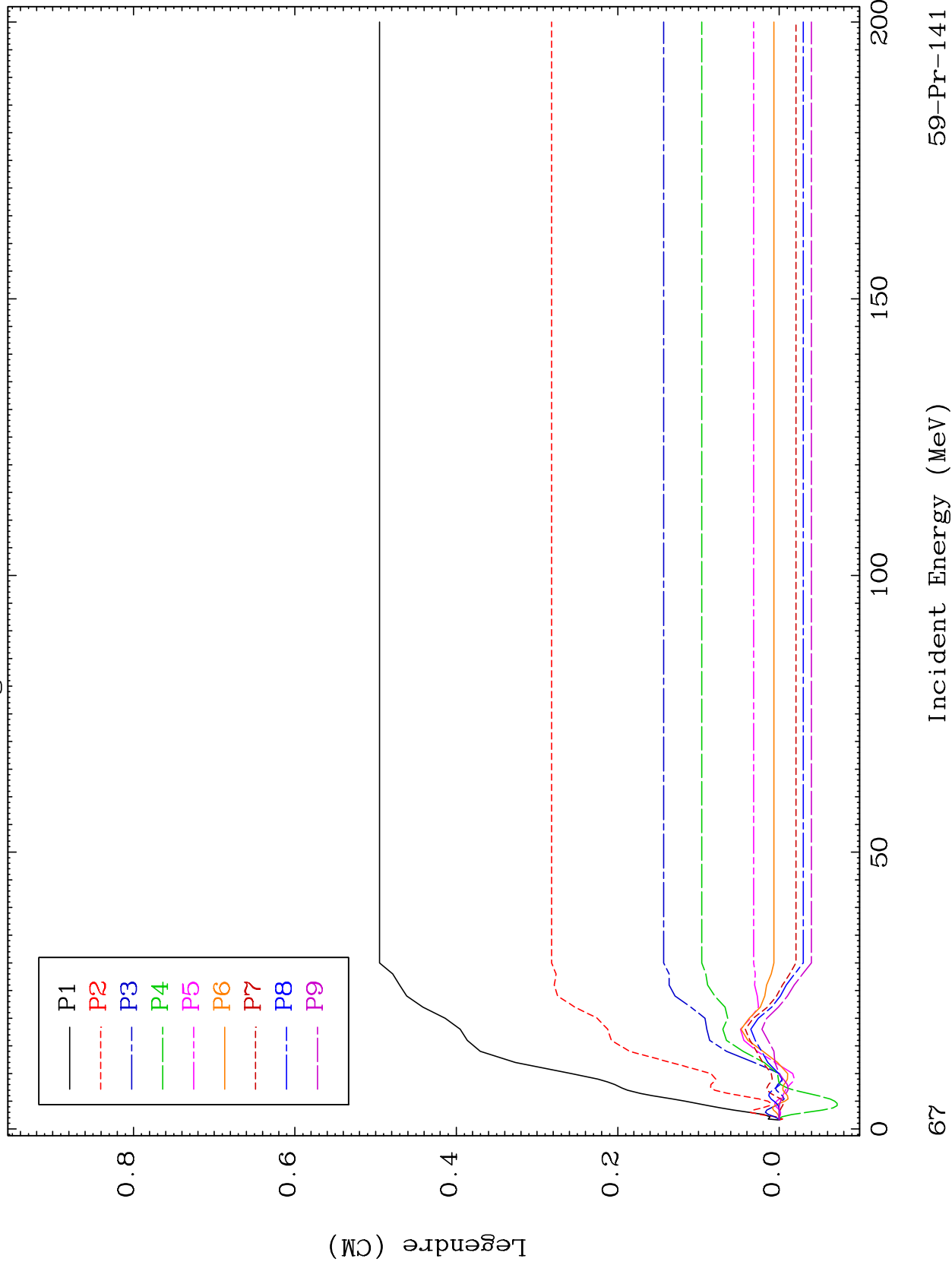
59-Pr-141



MAT 5925

1.580 MeV (n,n') Level  
Legendre Coefficients

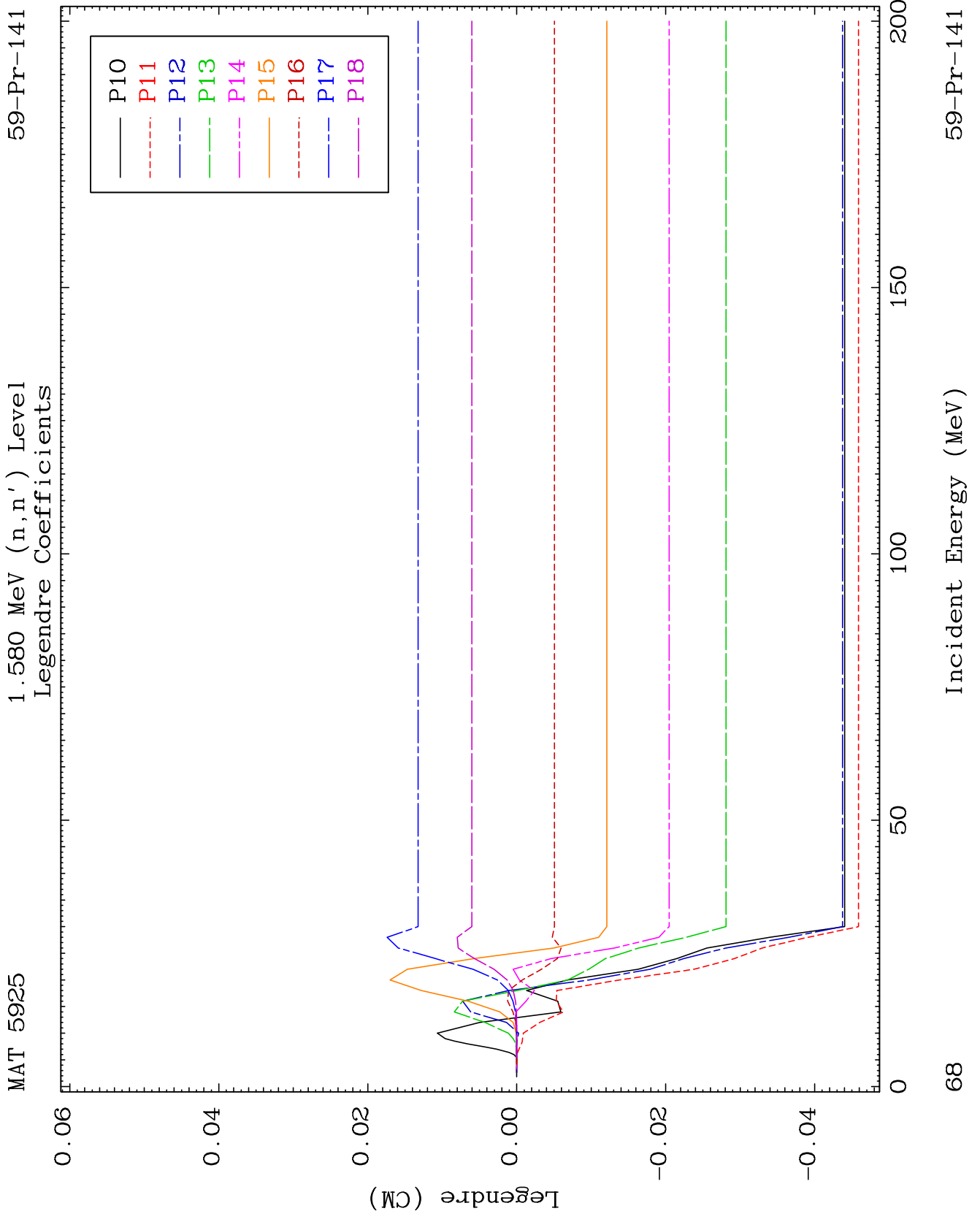
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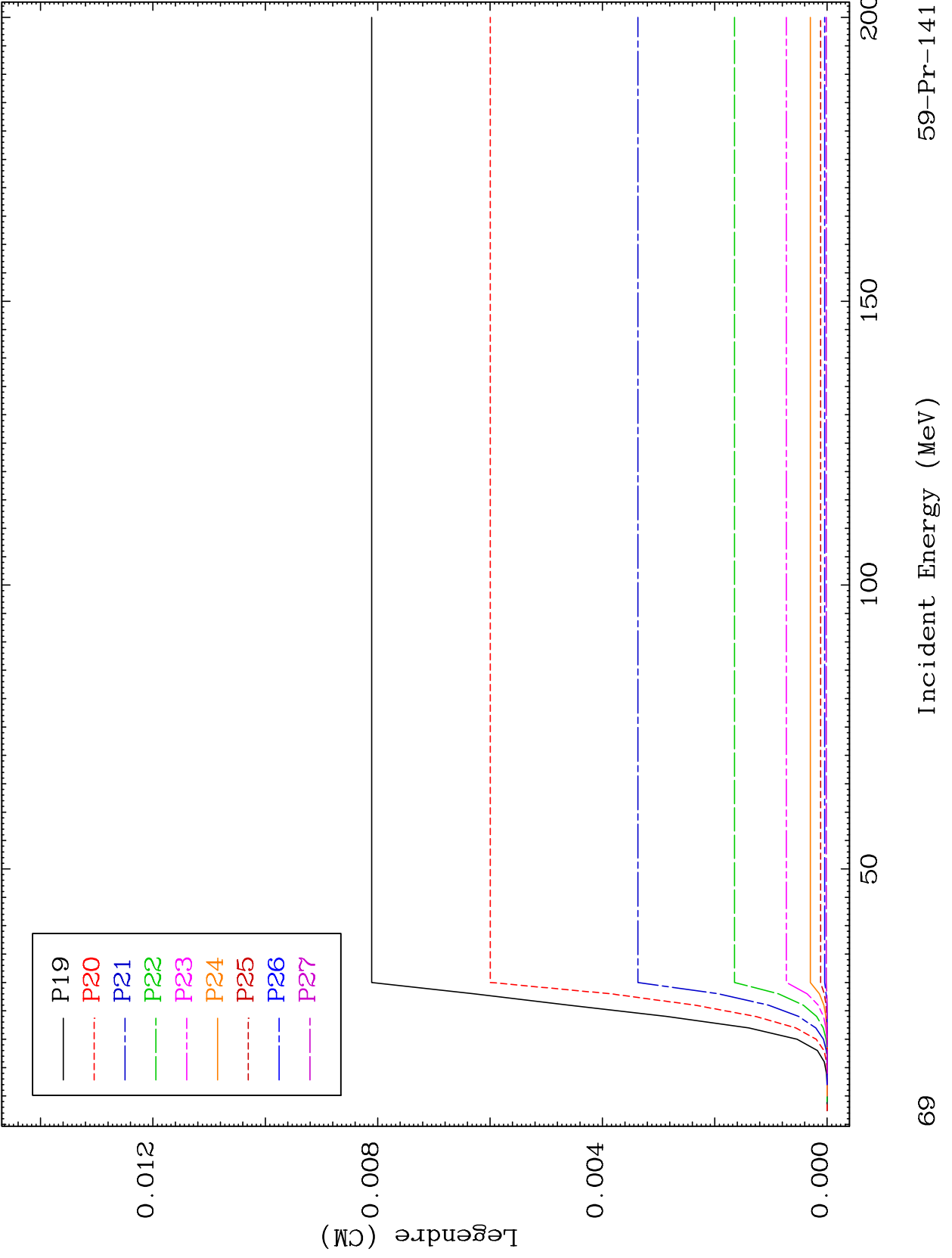


59-Pr-141

Incident Energy (MeV)

67

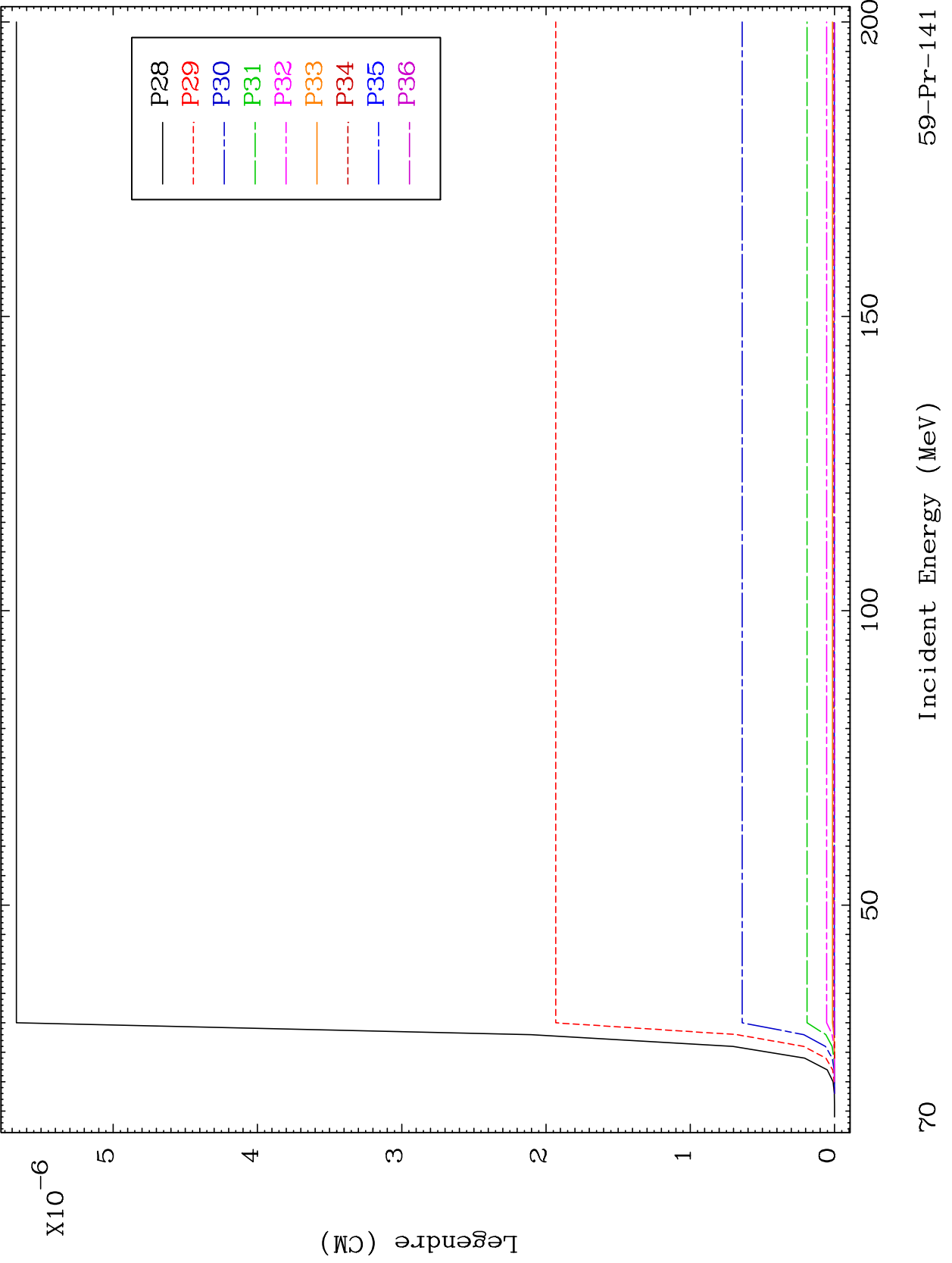


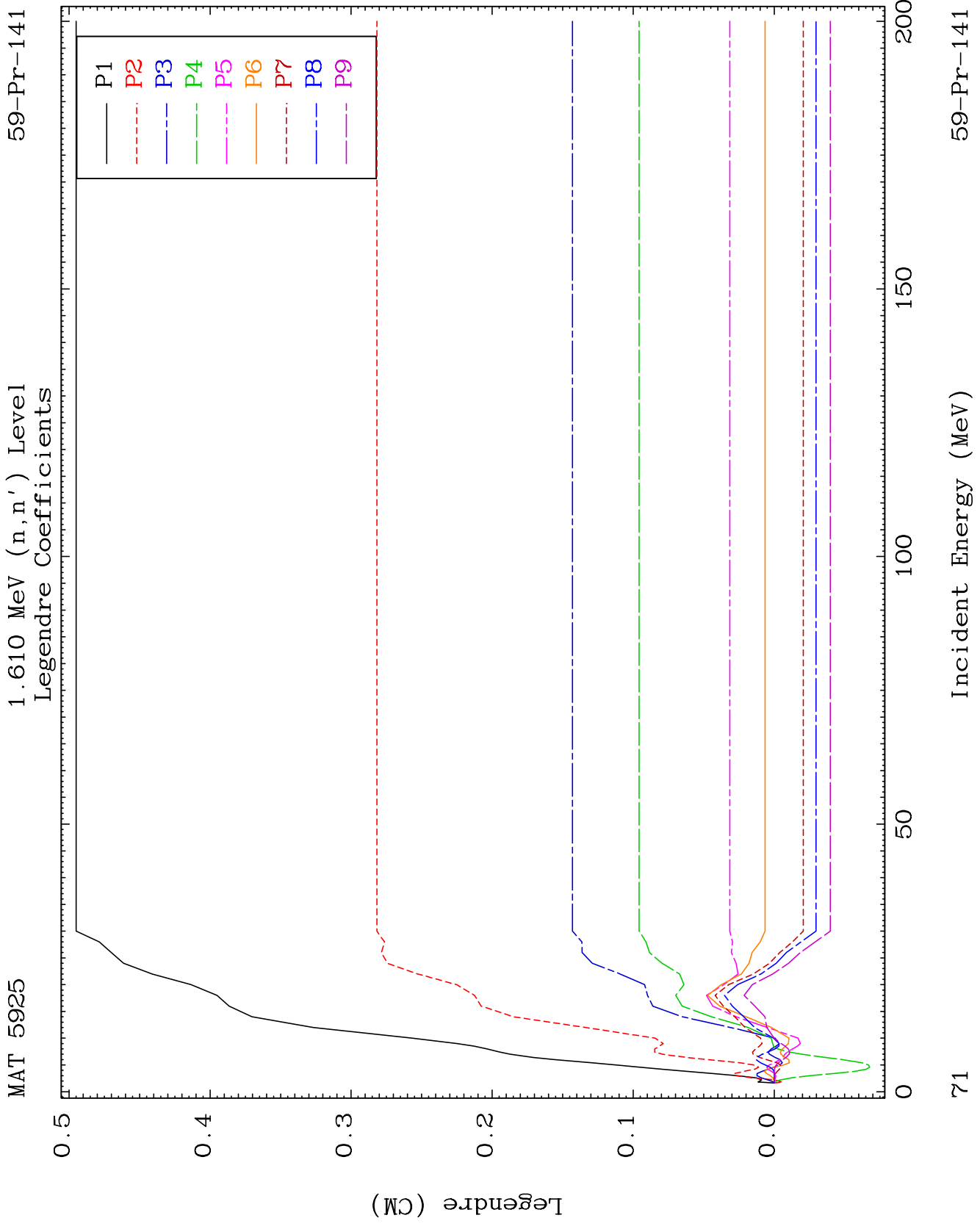


MAT 5925

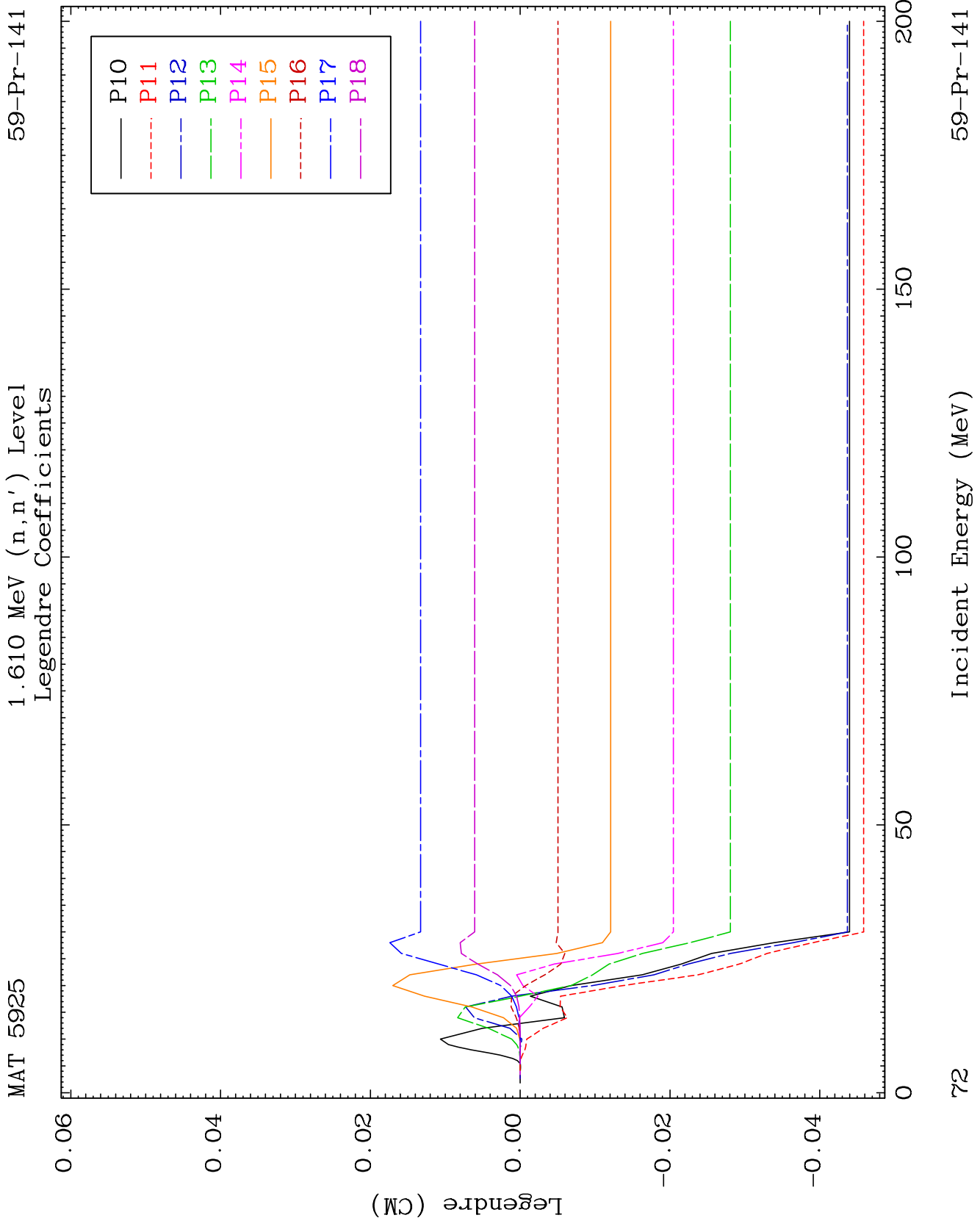
1.580 MeV (n,n') Level  
Legendre Coefficients

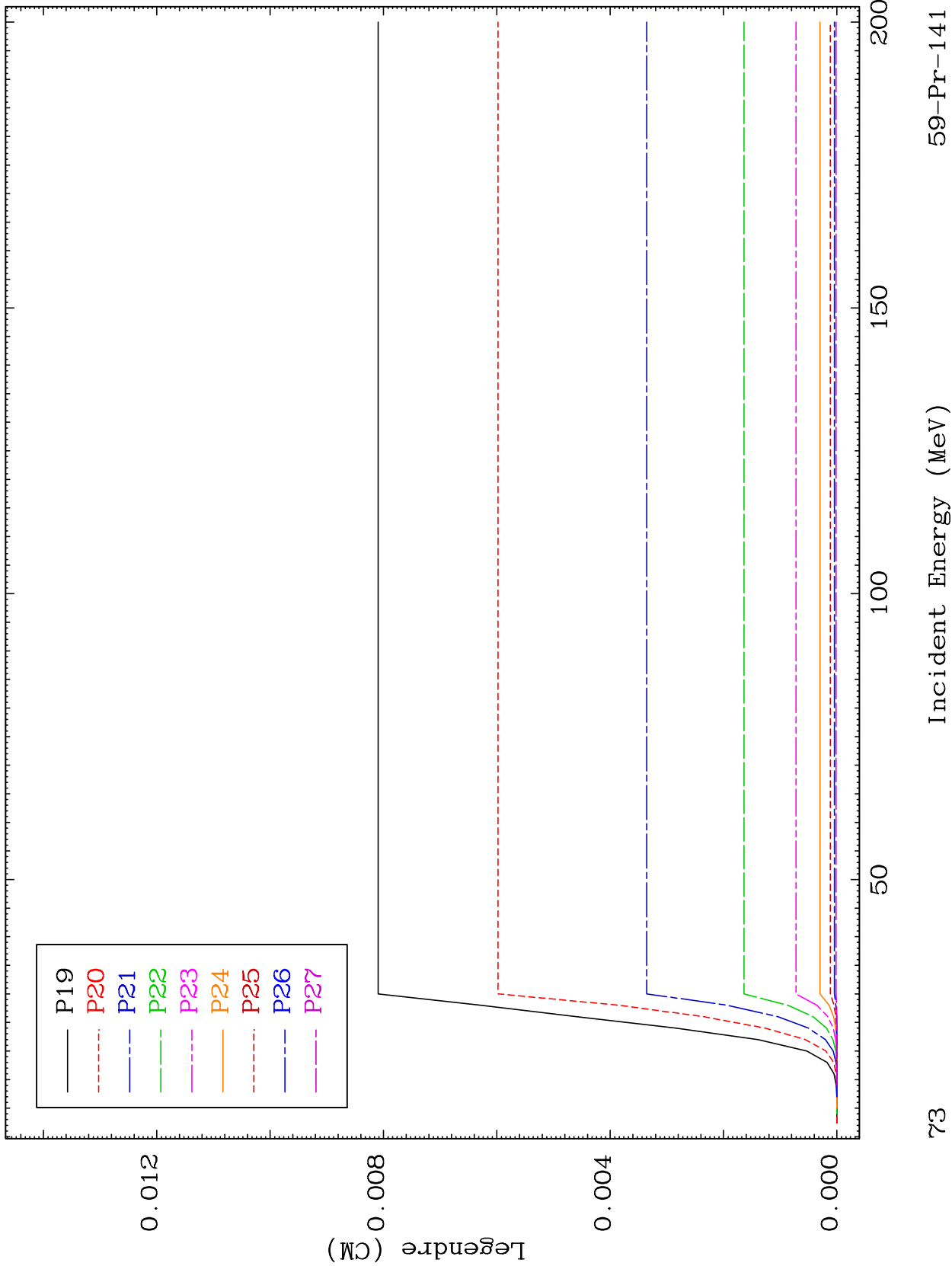
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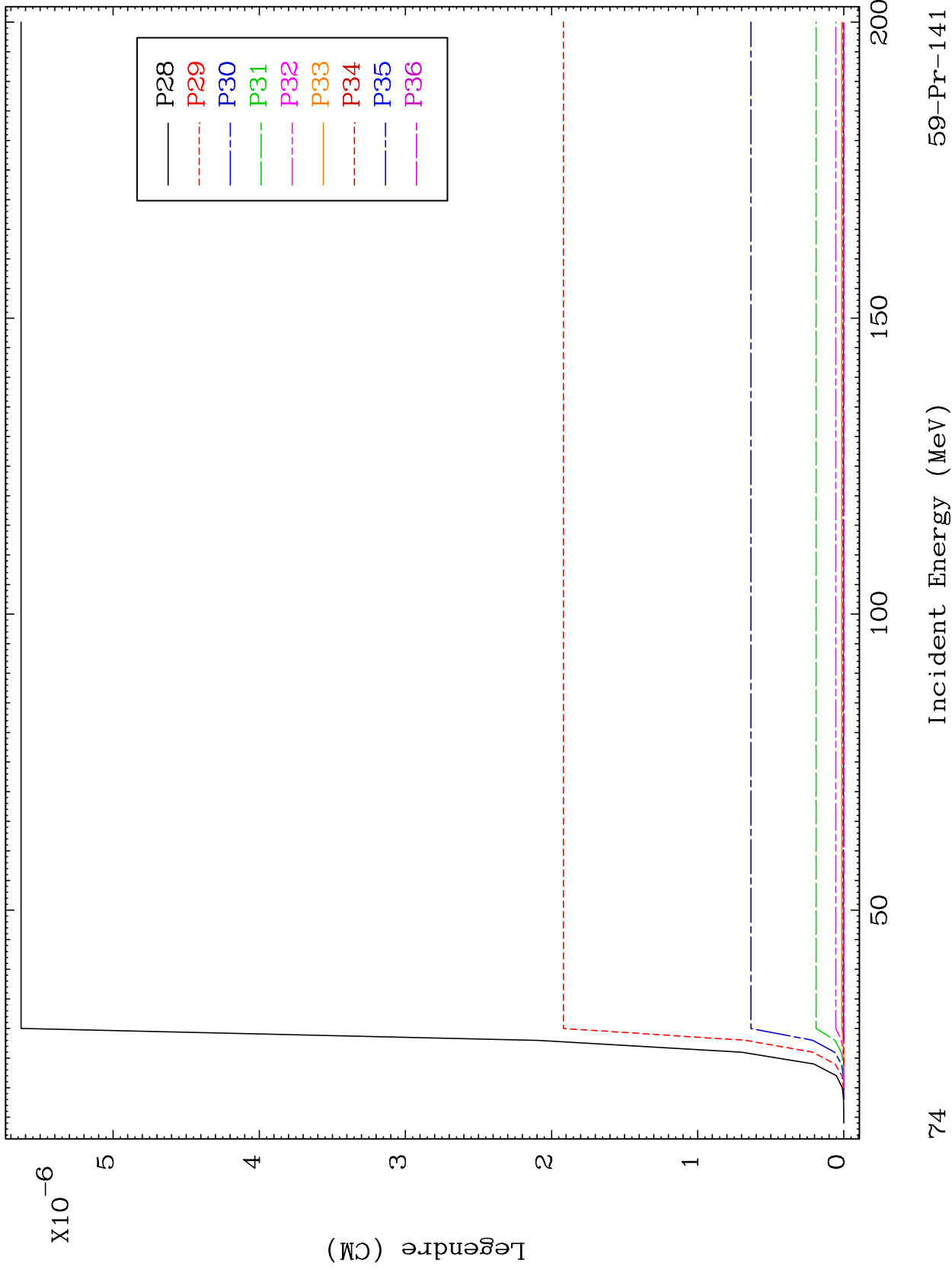




MAT 5925

1.610 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



74

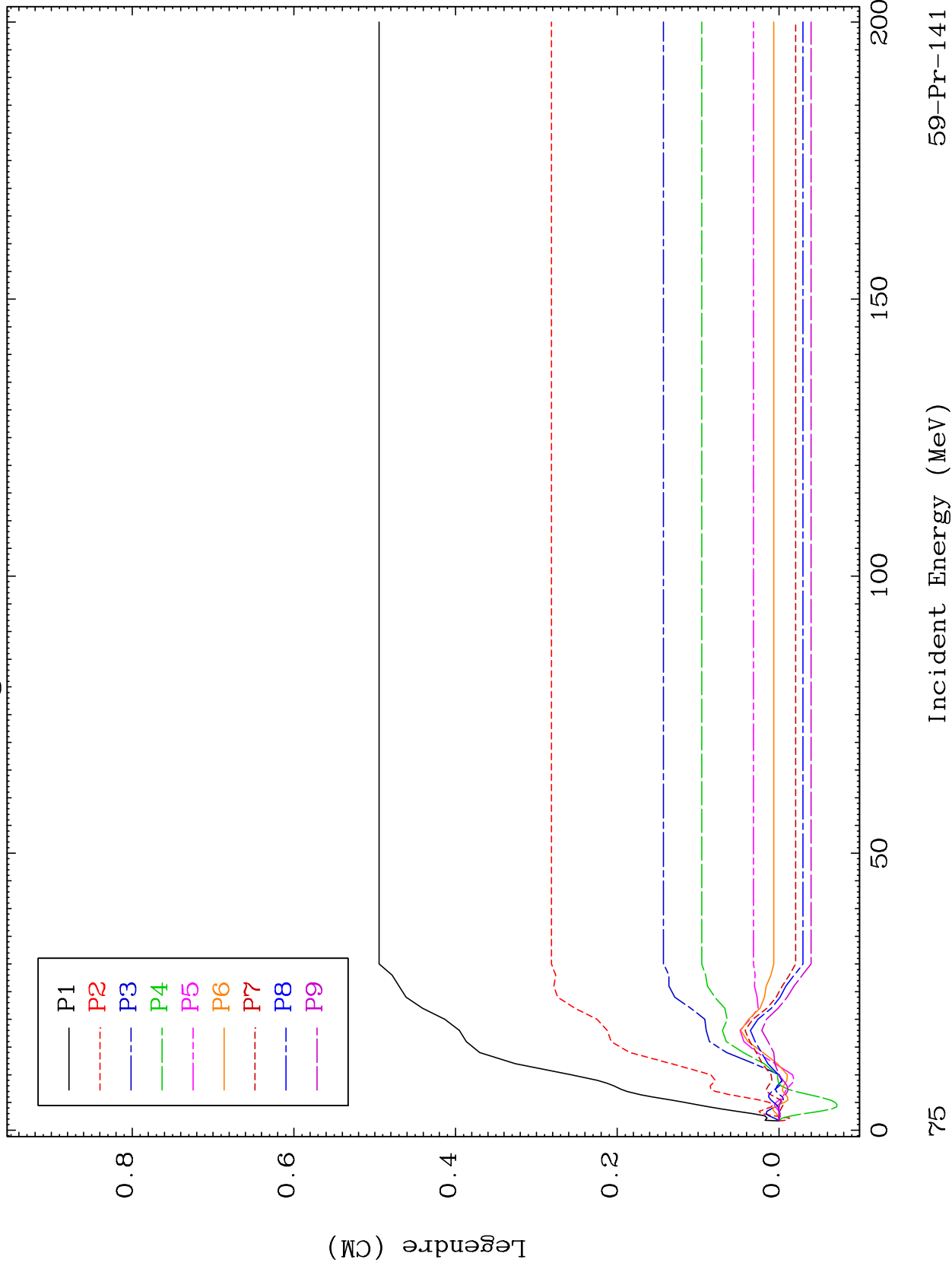
Incident Energy (MeV)

59-Pr-141

MAT 5925

1.651 MeV (n,n') Level  
Legendre Coefficients

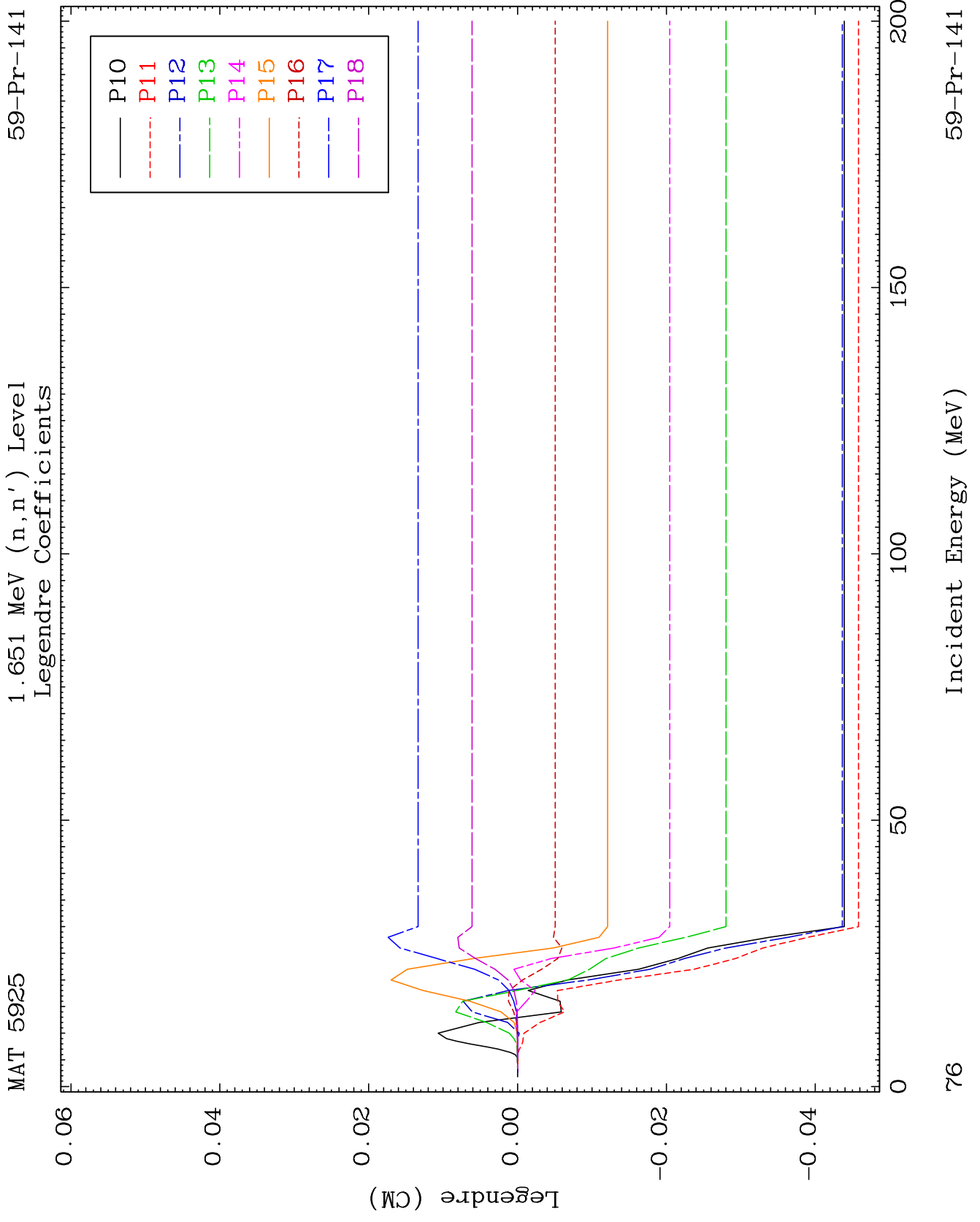
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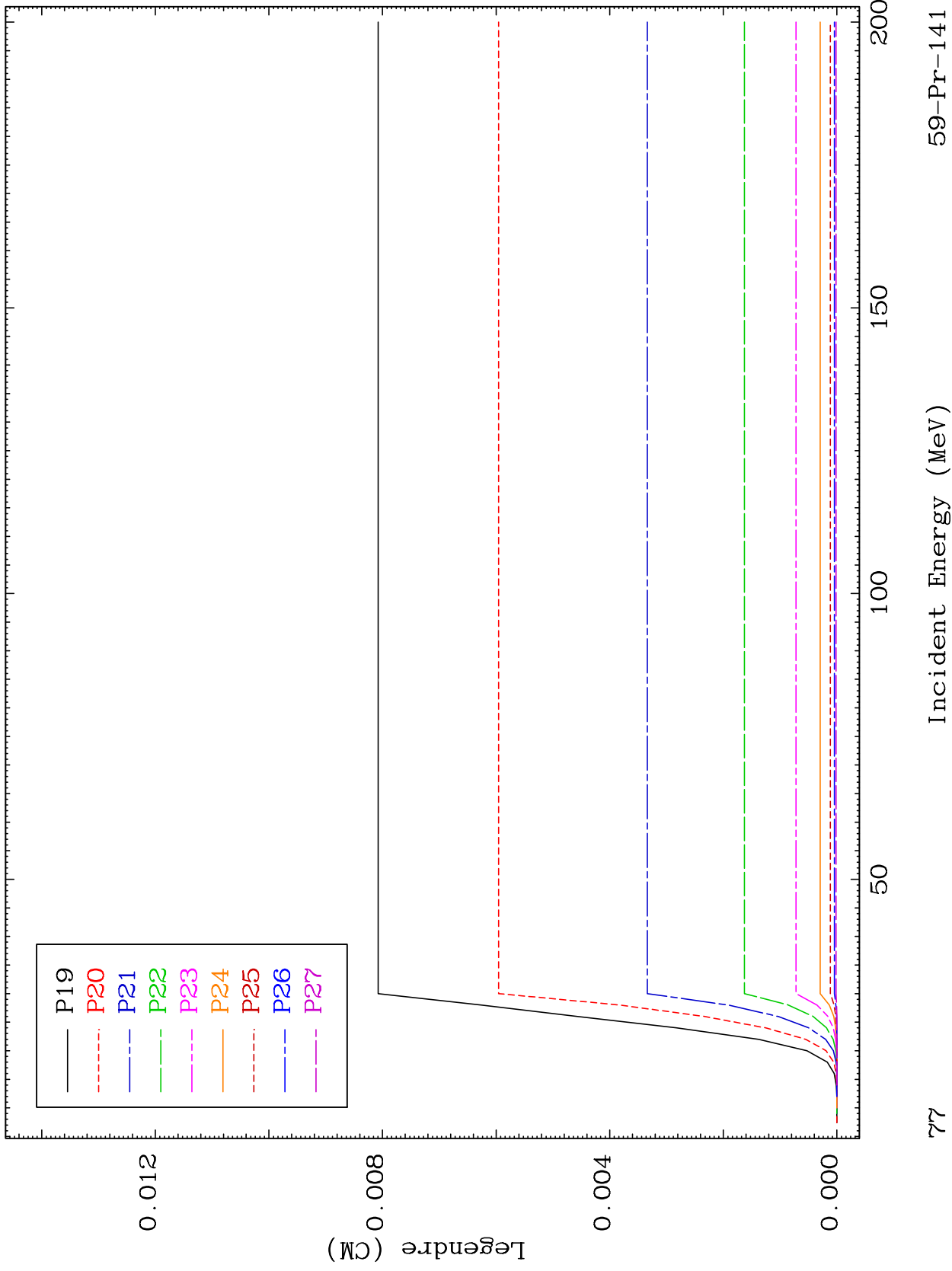


75

Incident Energy (MeV)

59-Pr-141

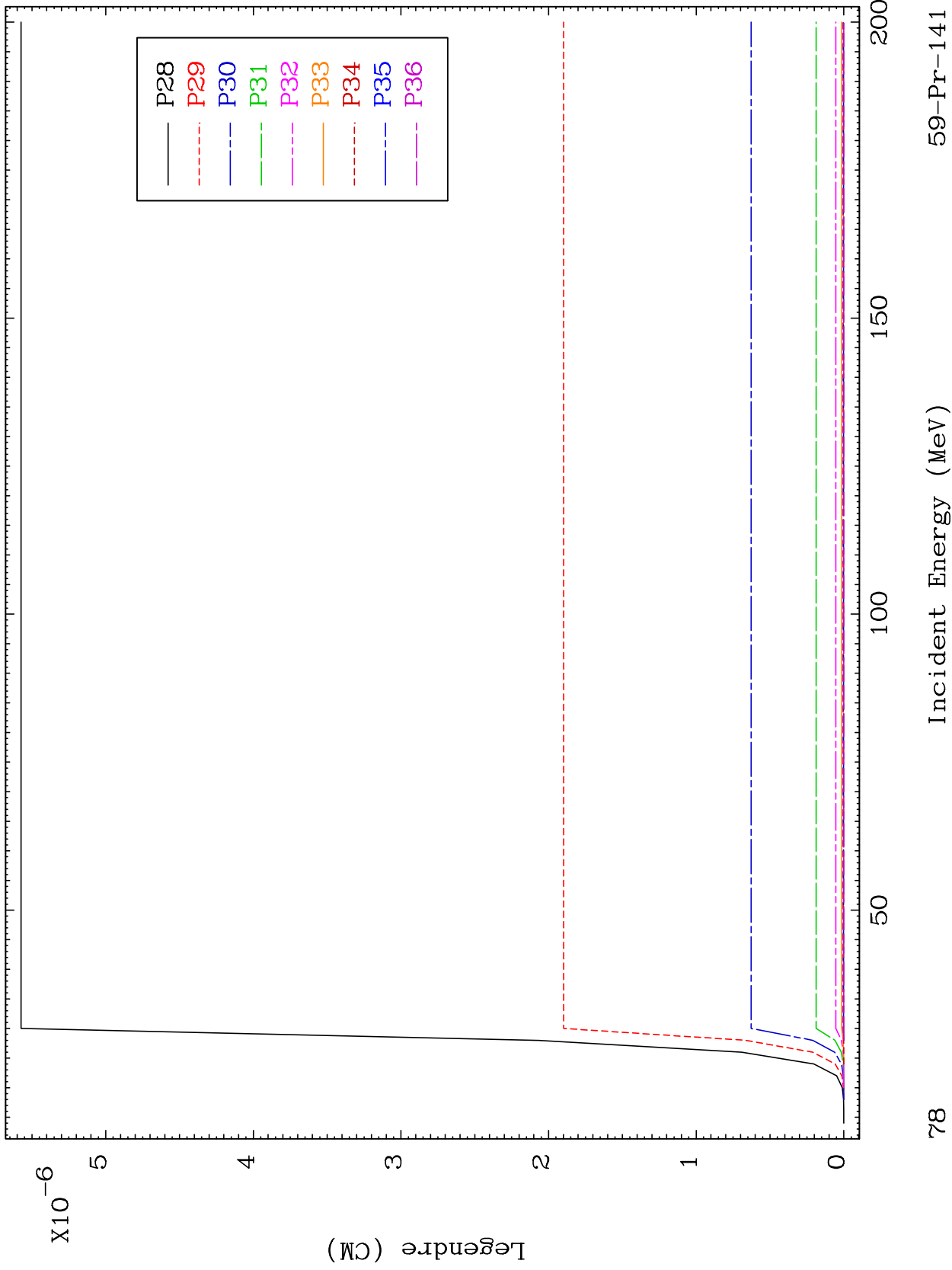




MAT 5925

1.651 MeV (n,n') Level  
Legendre Coefficients

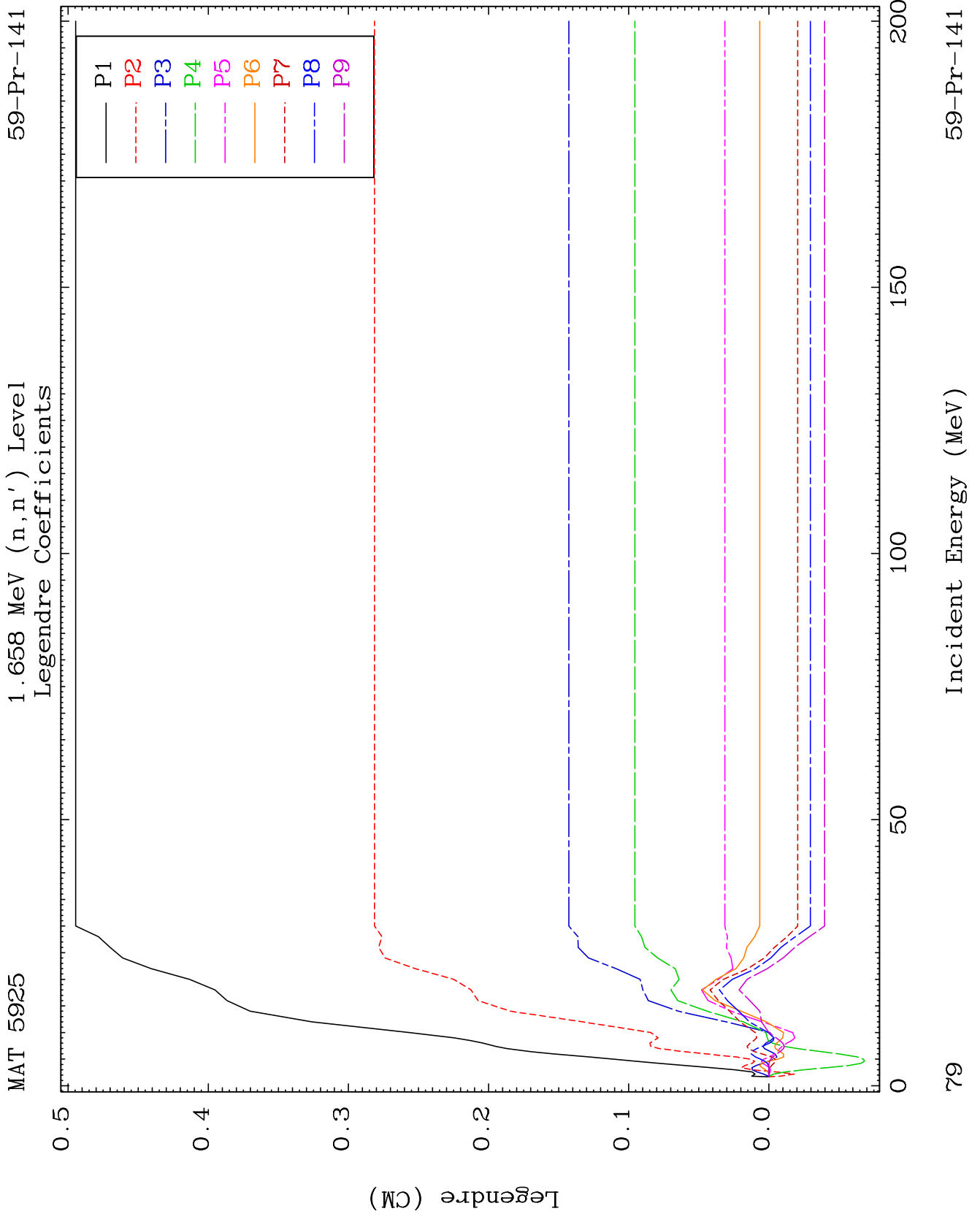
59-Pr-141



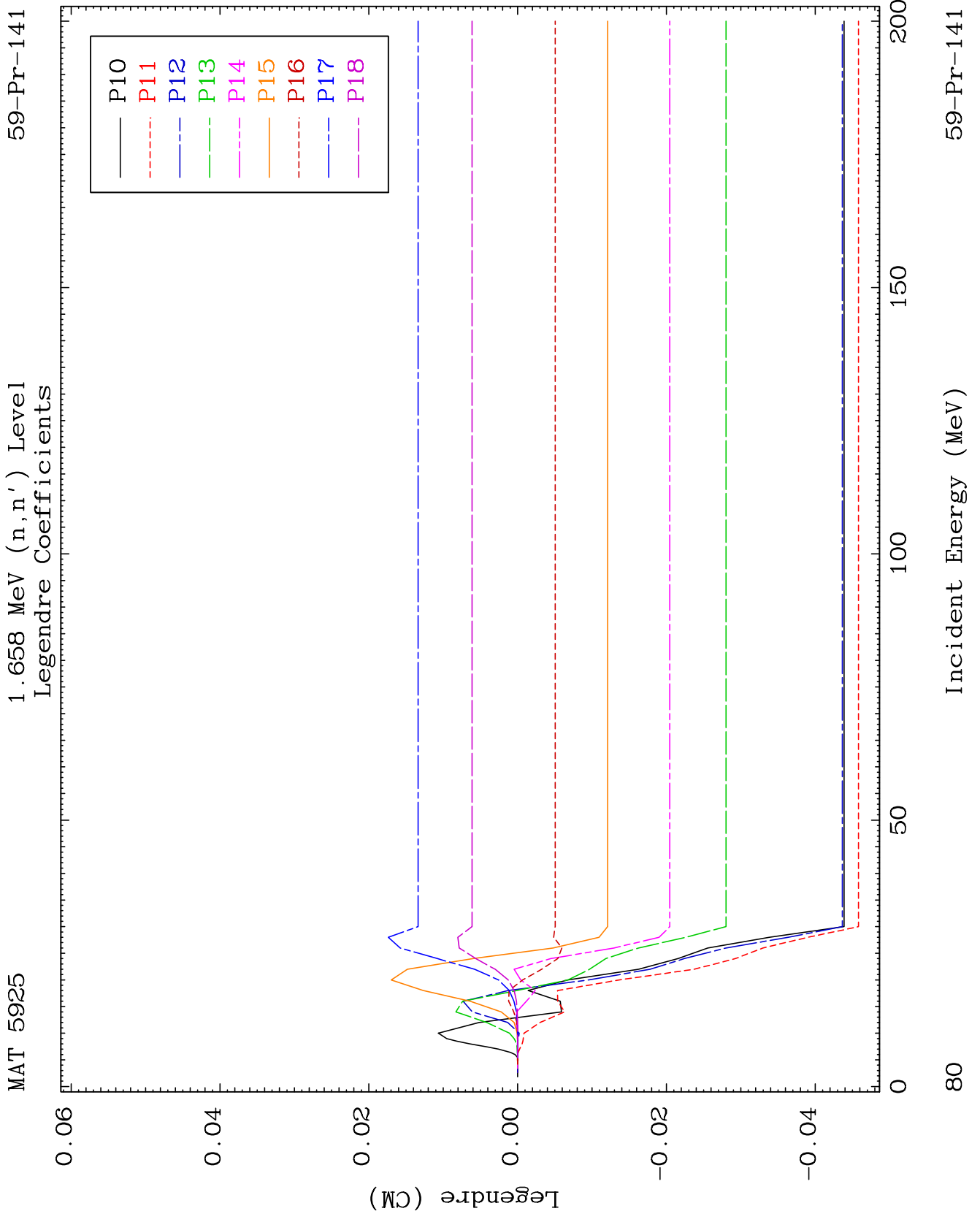
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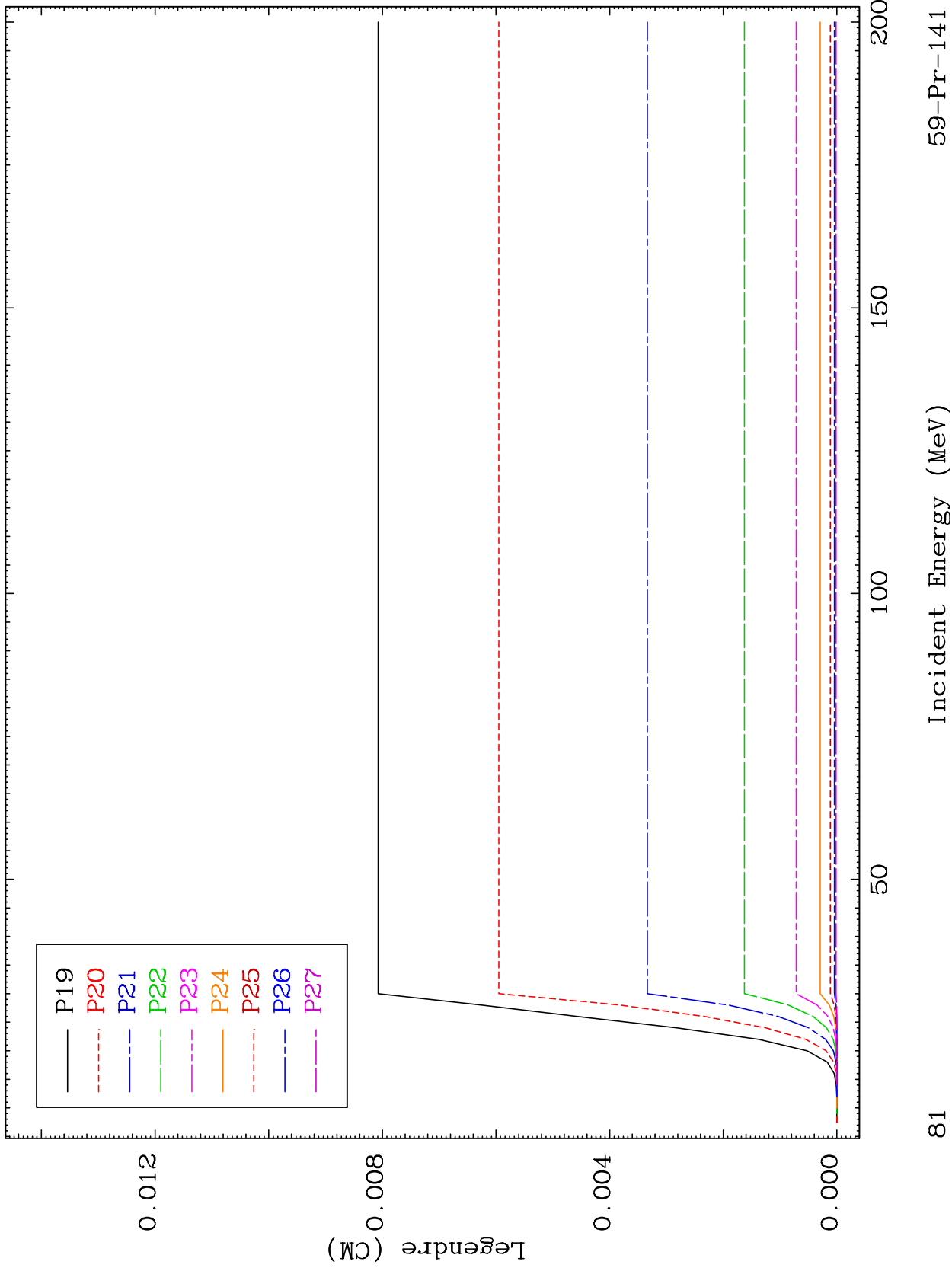
Incident Energy (MeV)

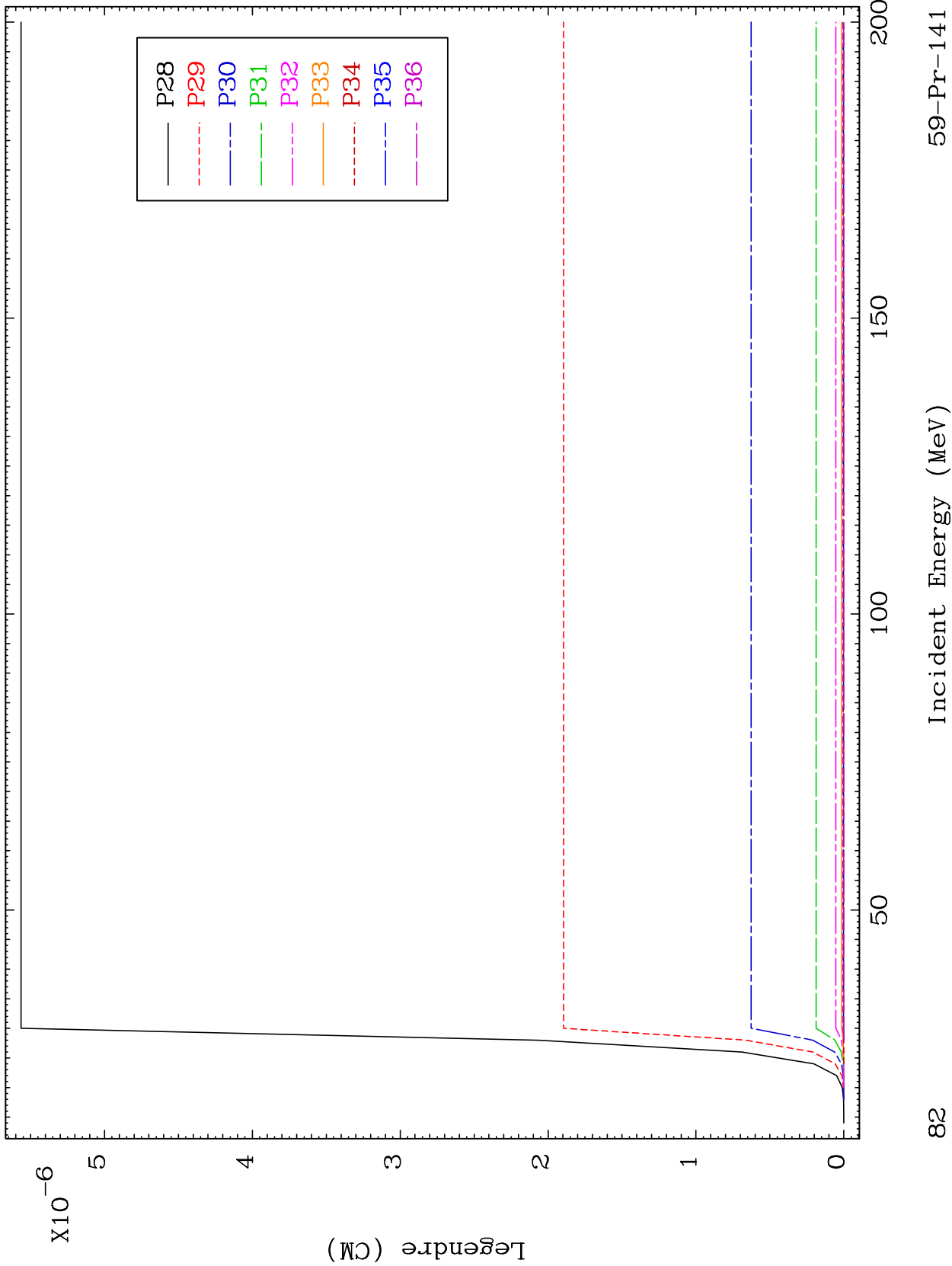
59-Pr-141

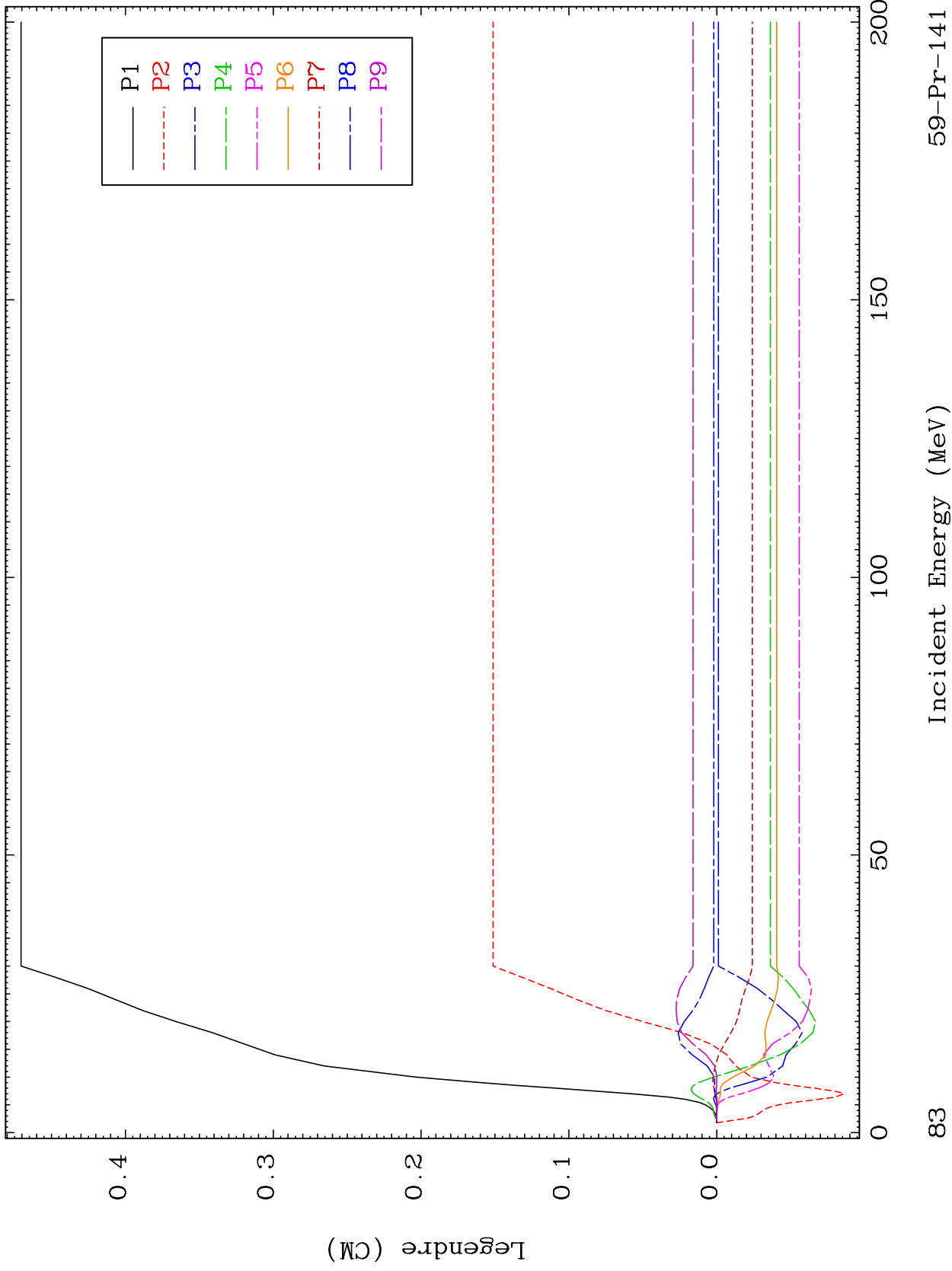


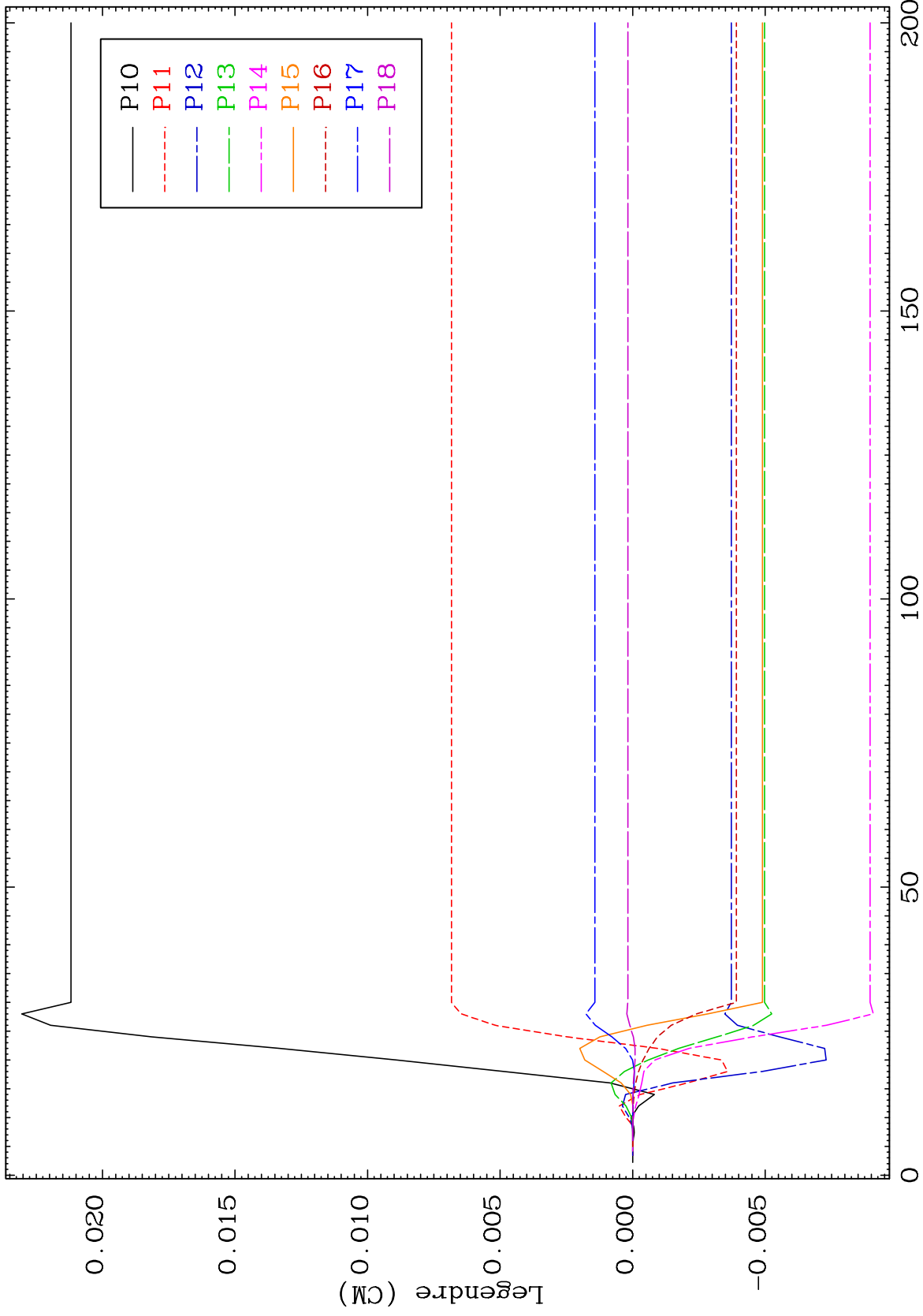


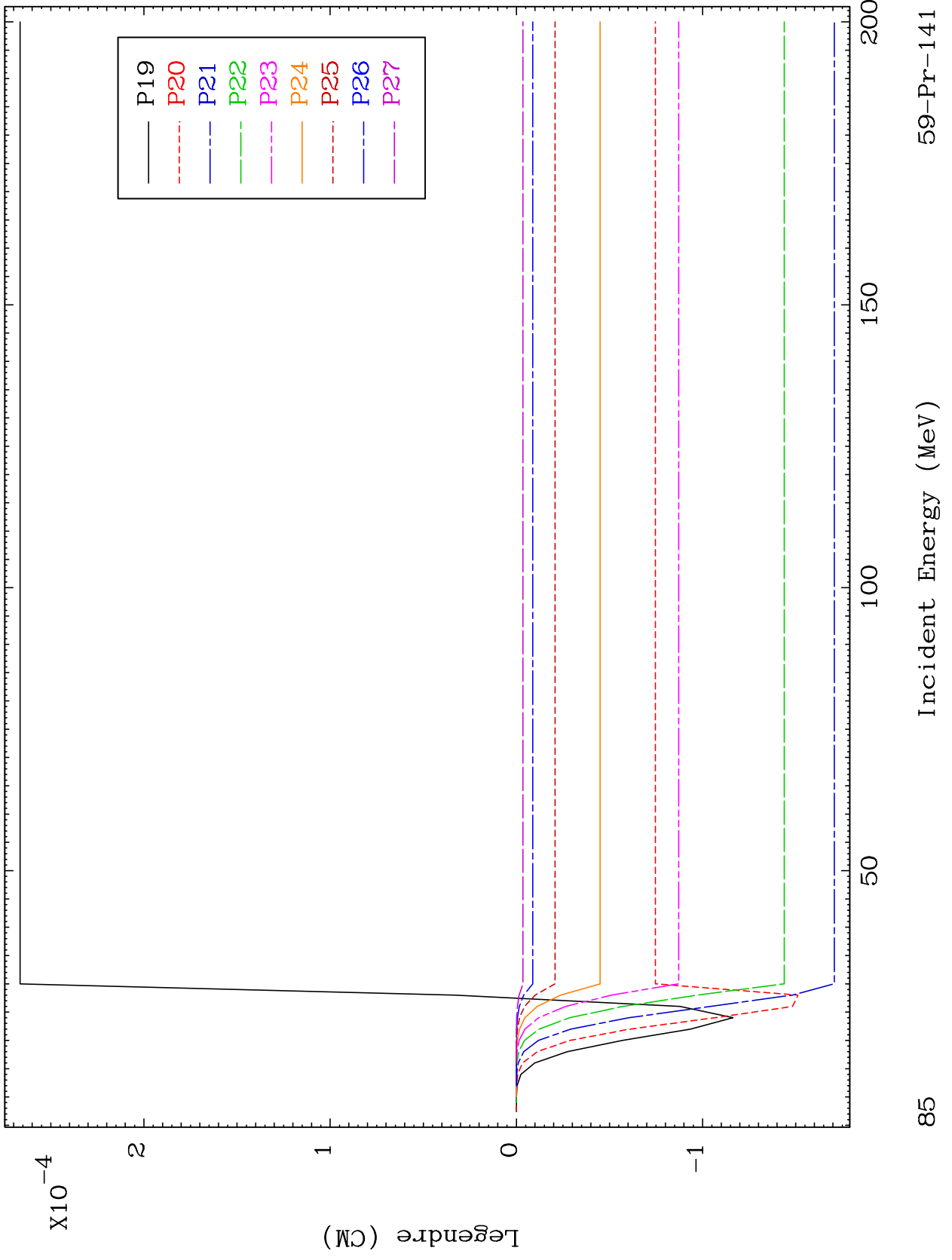


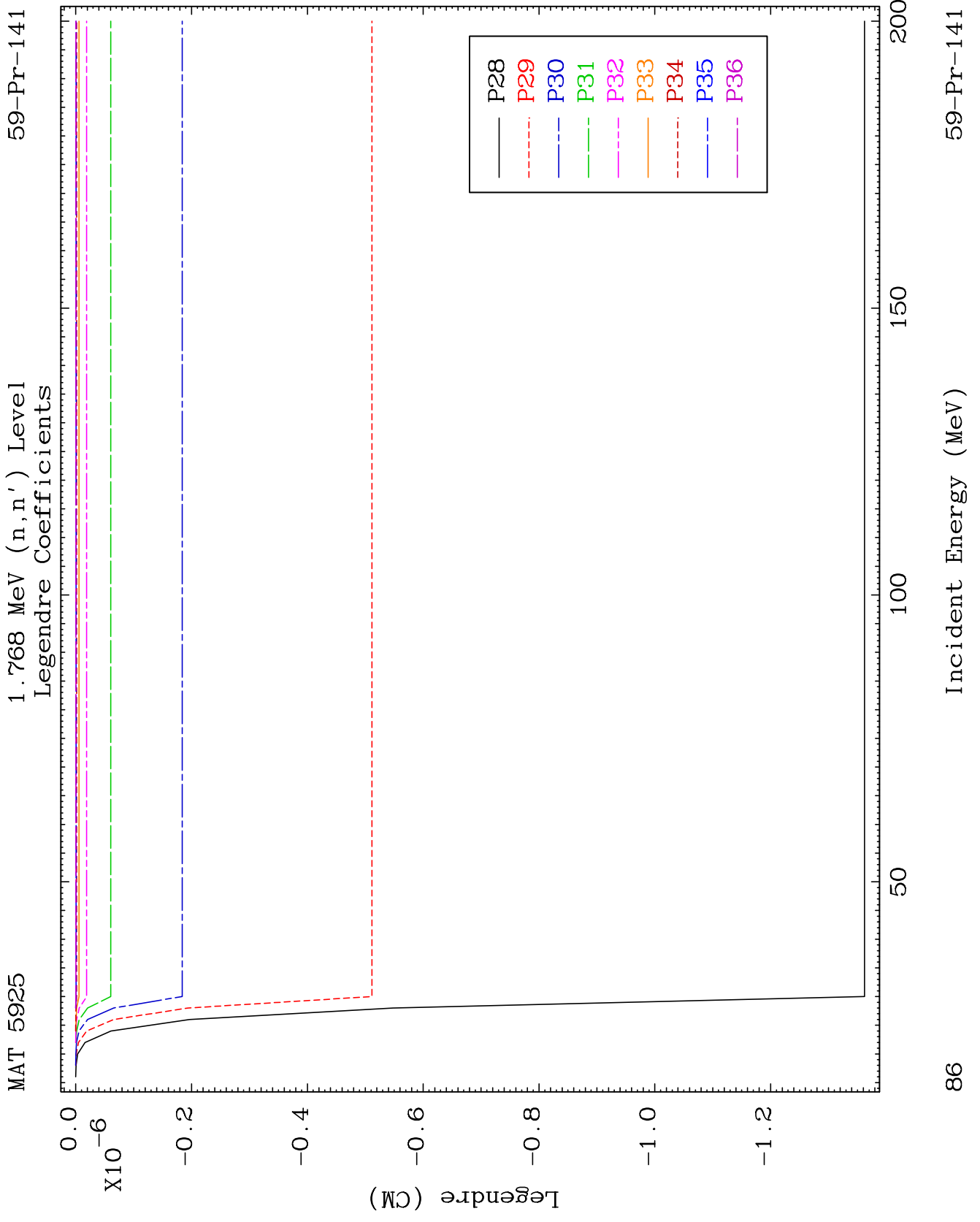


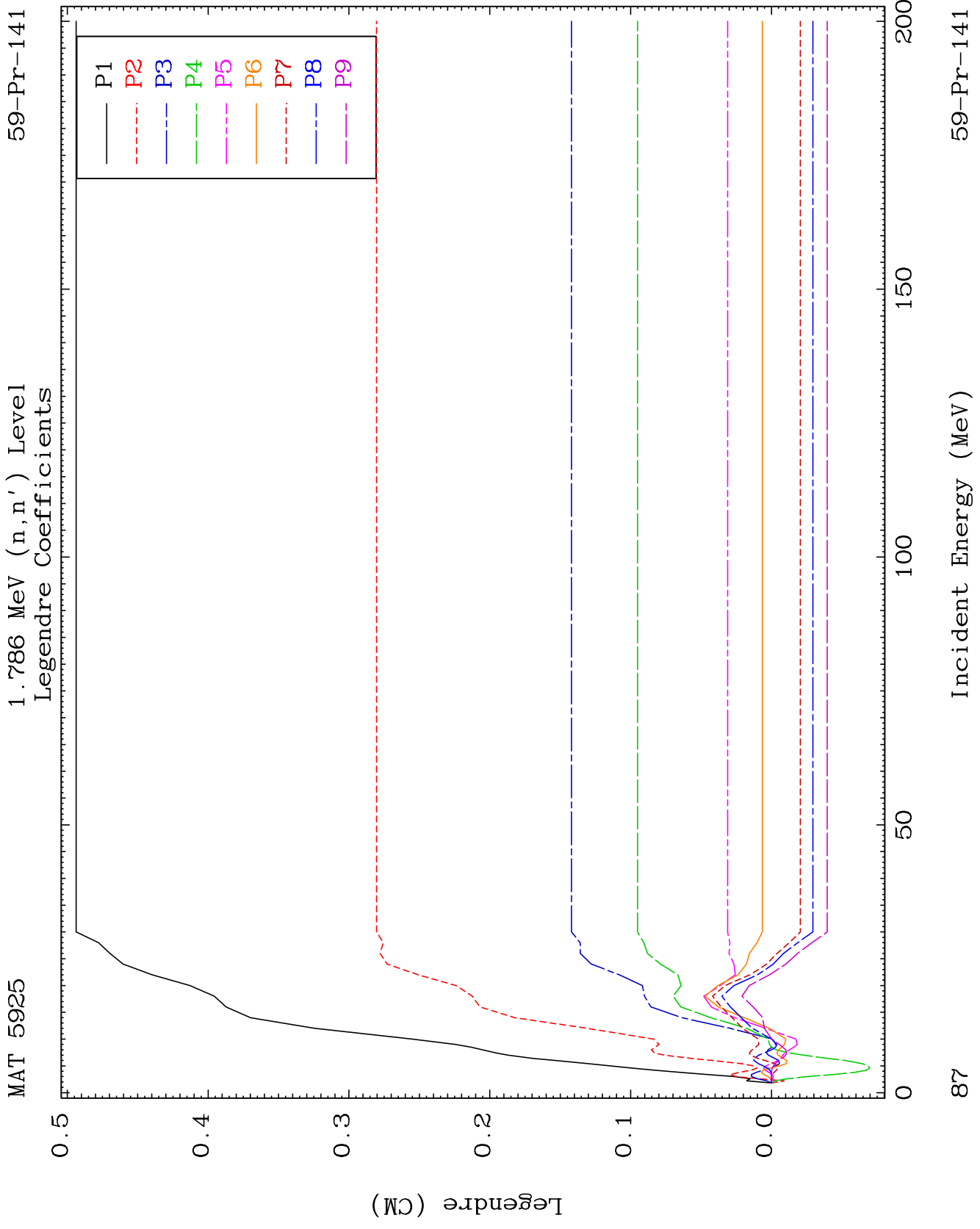




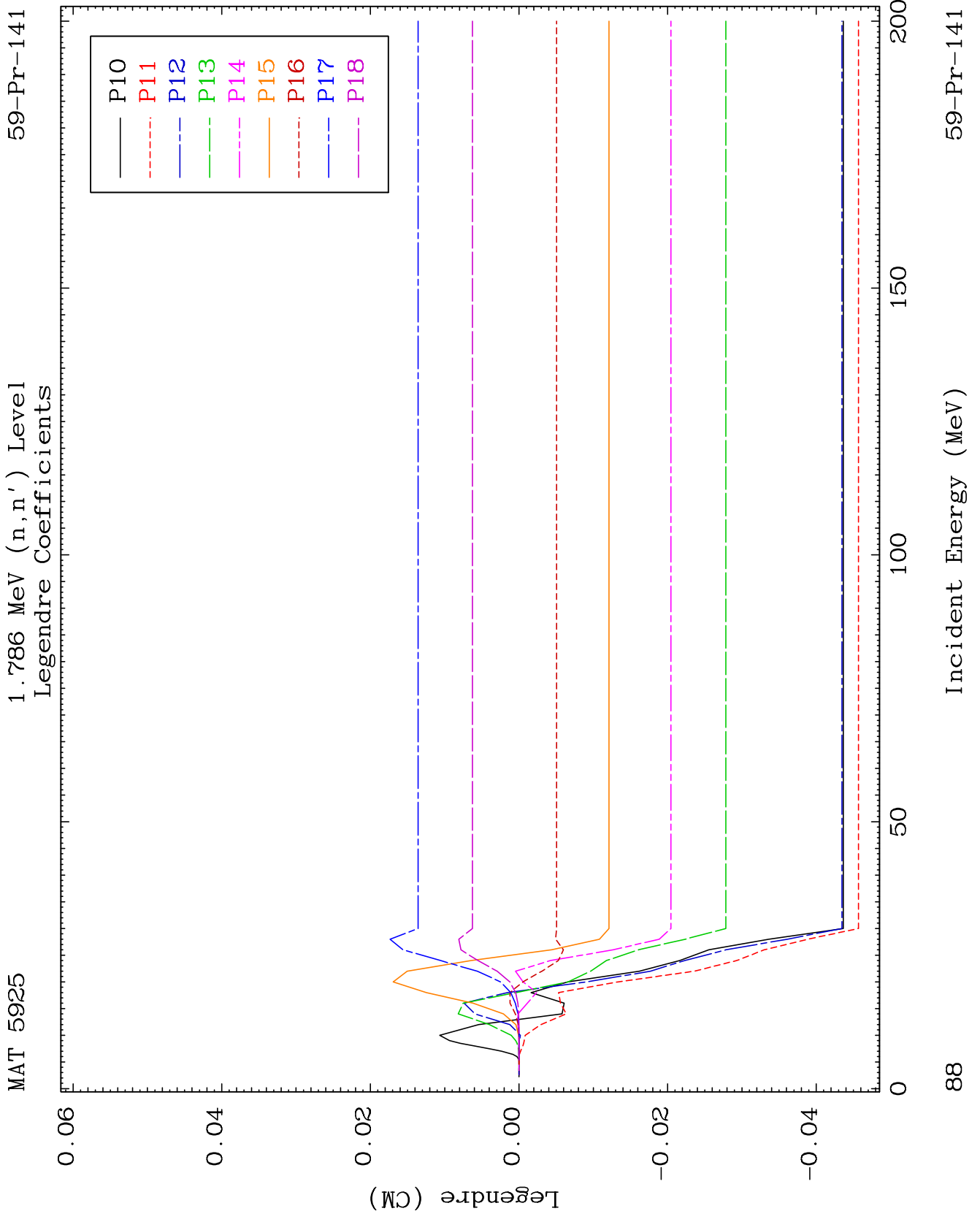


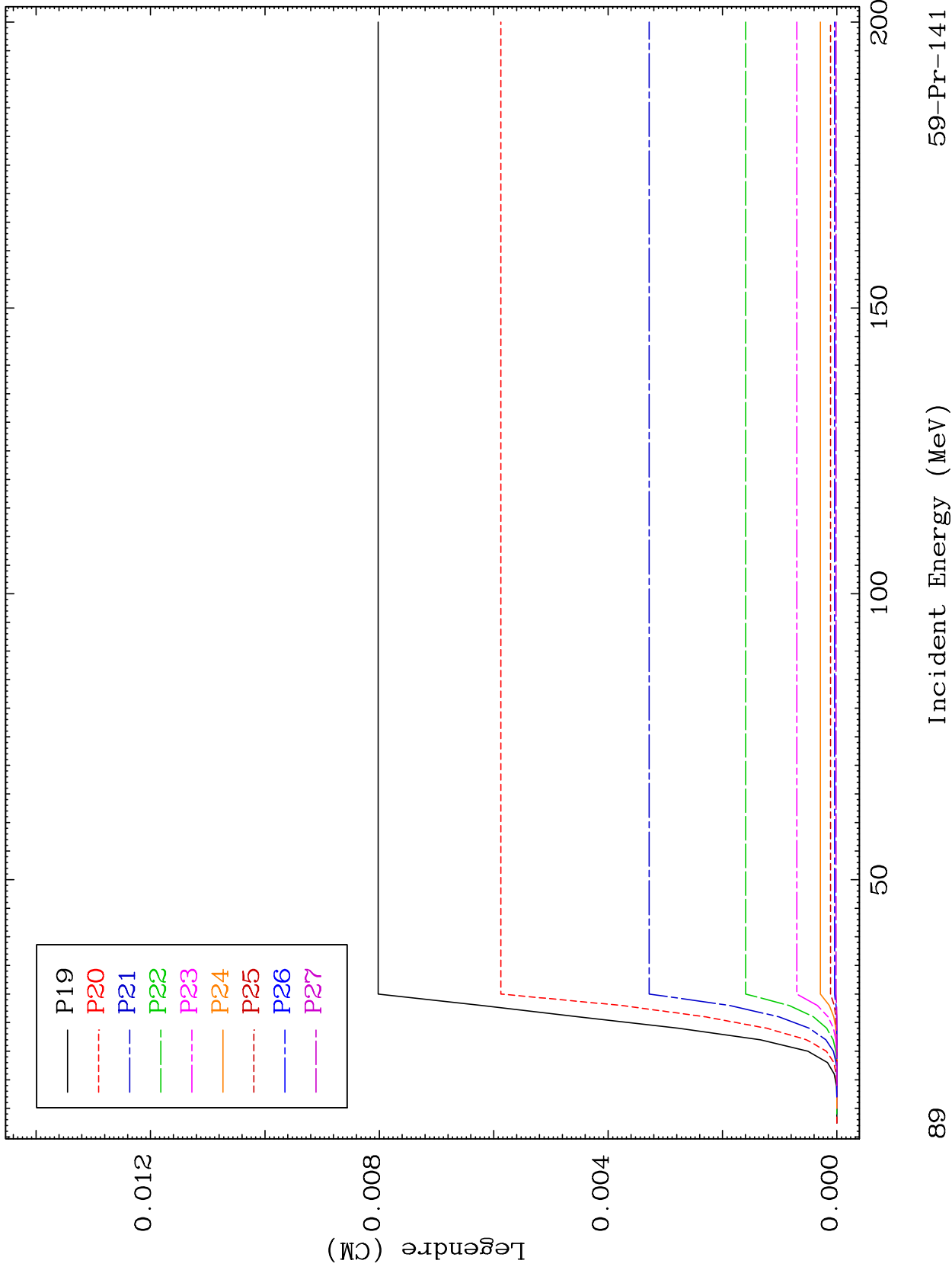








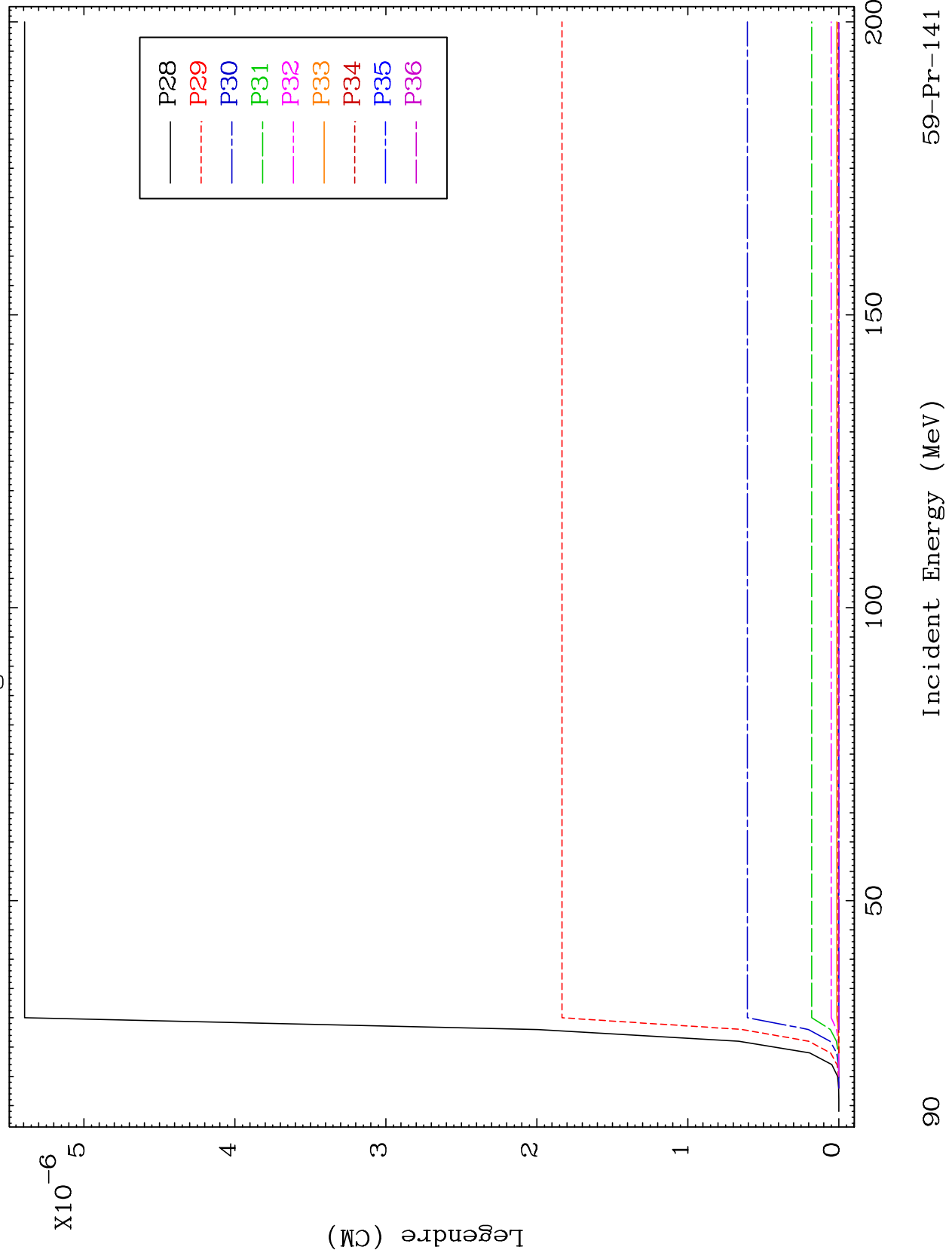




MAT 5925

1.786 MeV (n, n') Level  
Legendre Coefficients

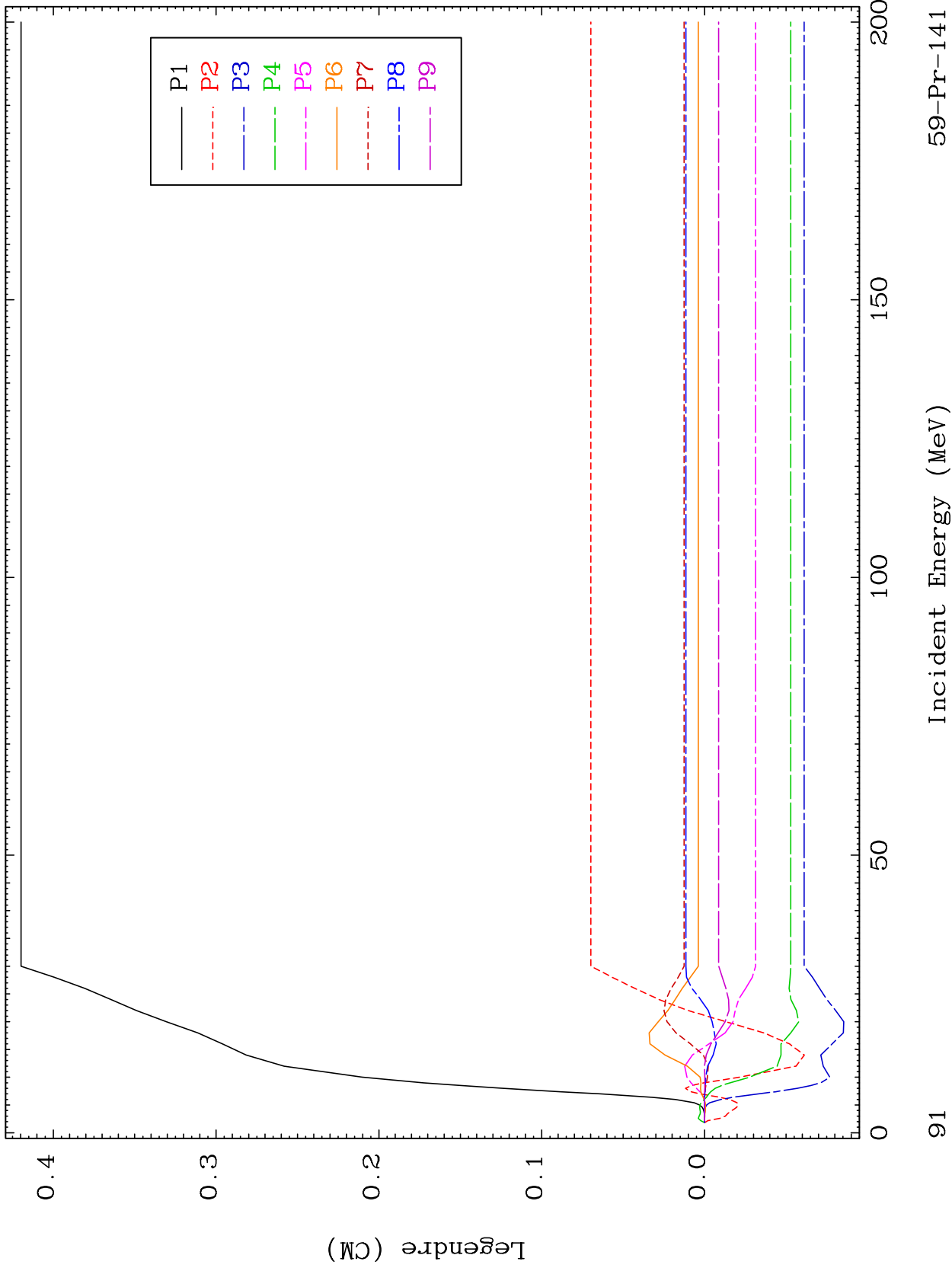
59-Pr-141



MAT 5925

1.797 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



91

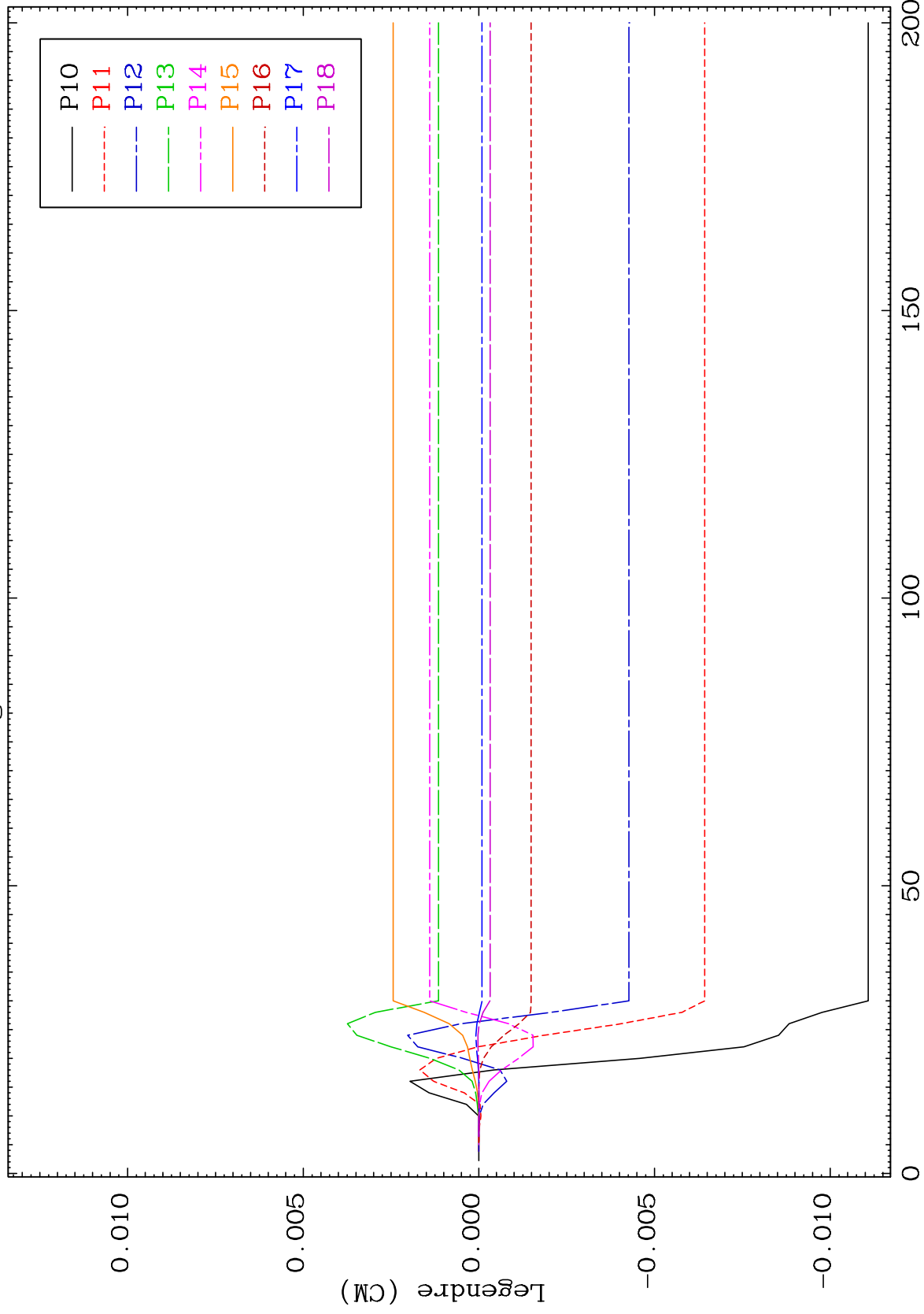
Incident Energy (MeV)

59-Pr-141

MAT 5925

1.797 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141

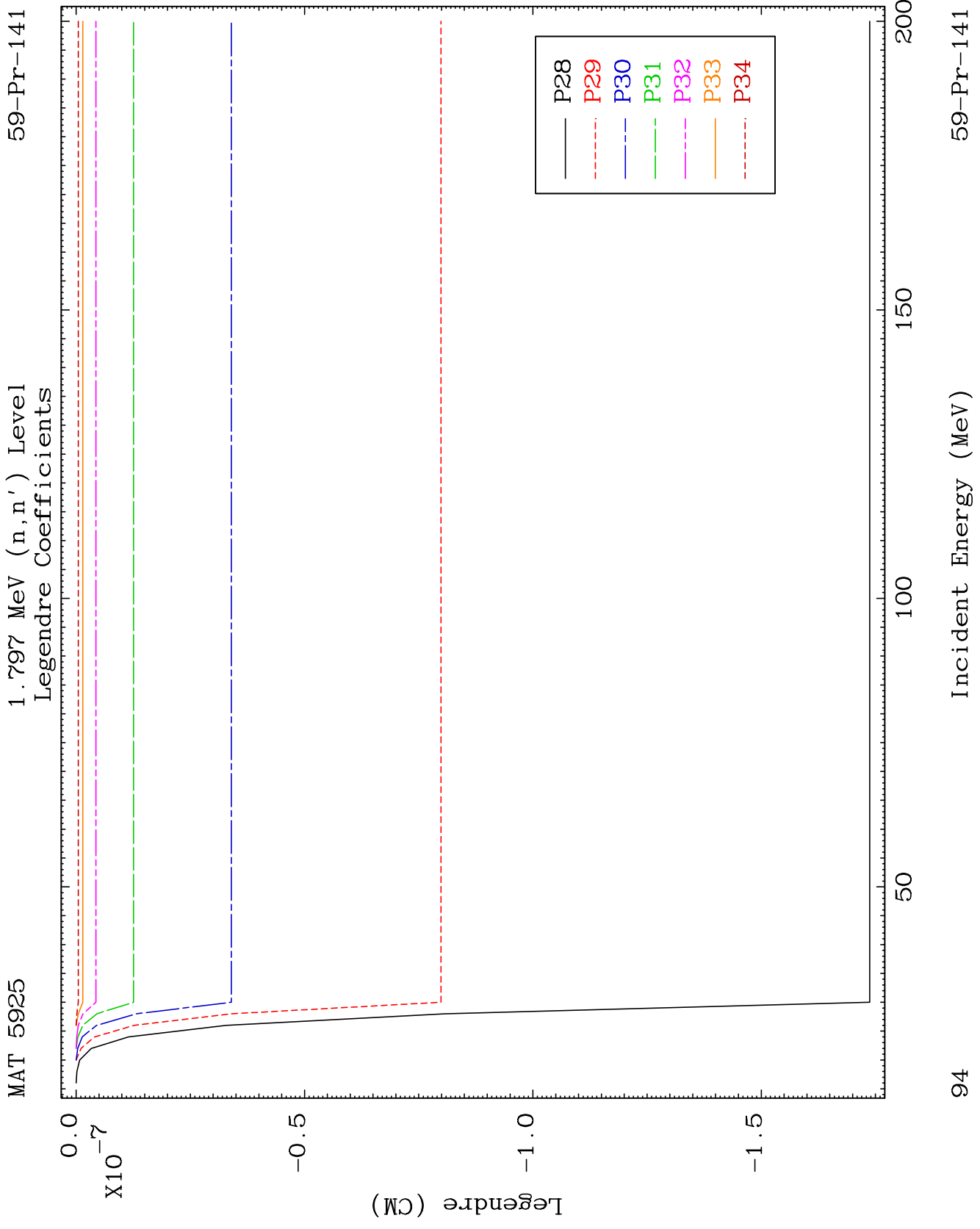


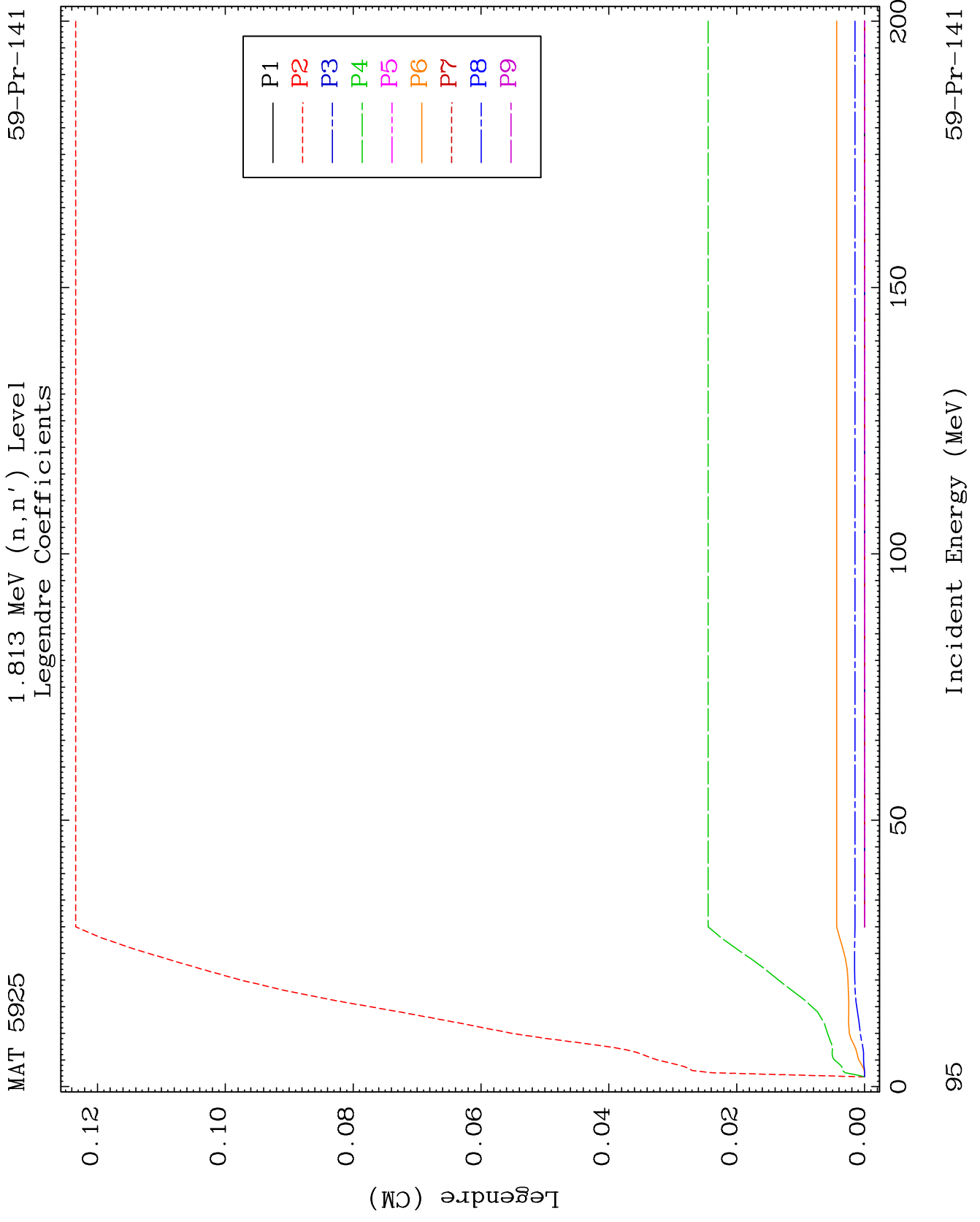
92

Incident Energy (MeV)

59-Pr-141





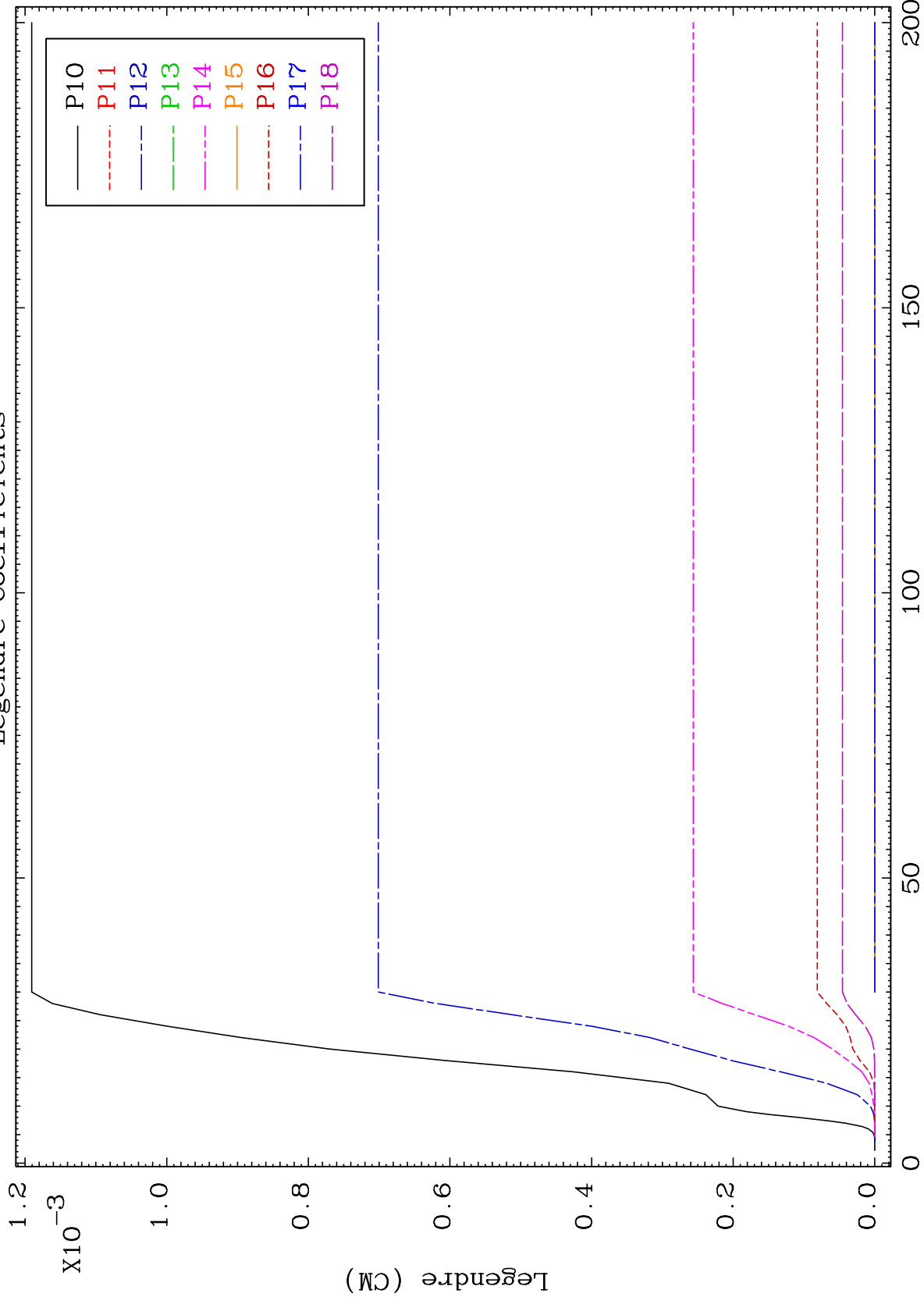




MAT 5925

1.813 MeV (n,n') Level  
Legendre Coefficients

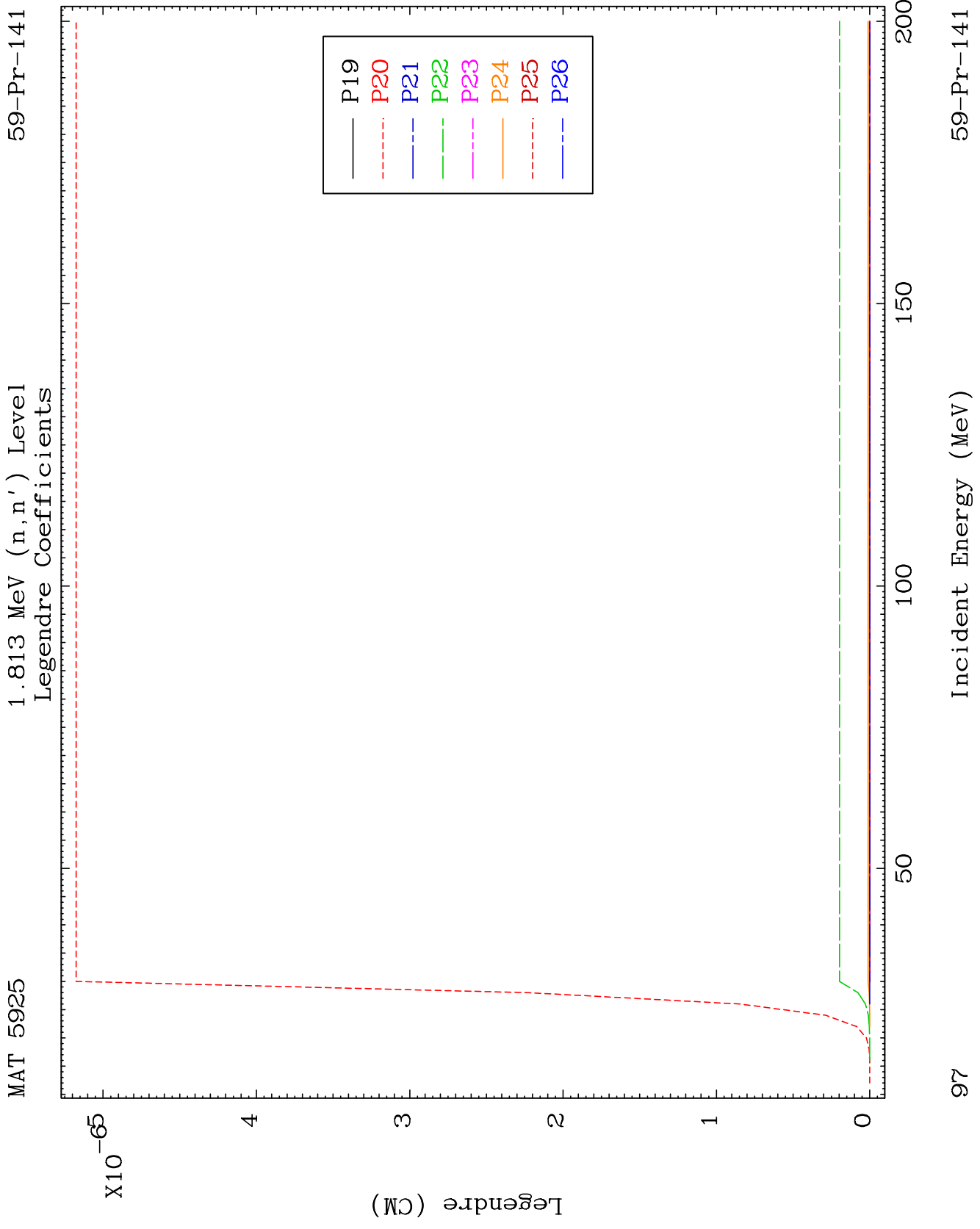
59-Pr-141



96

Incident Energy (MeV)

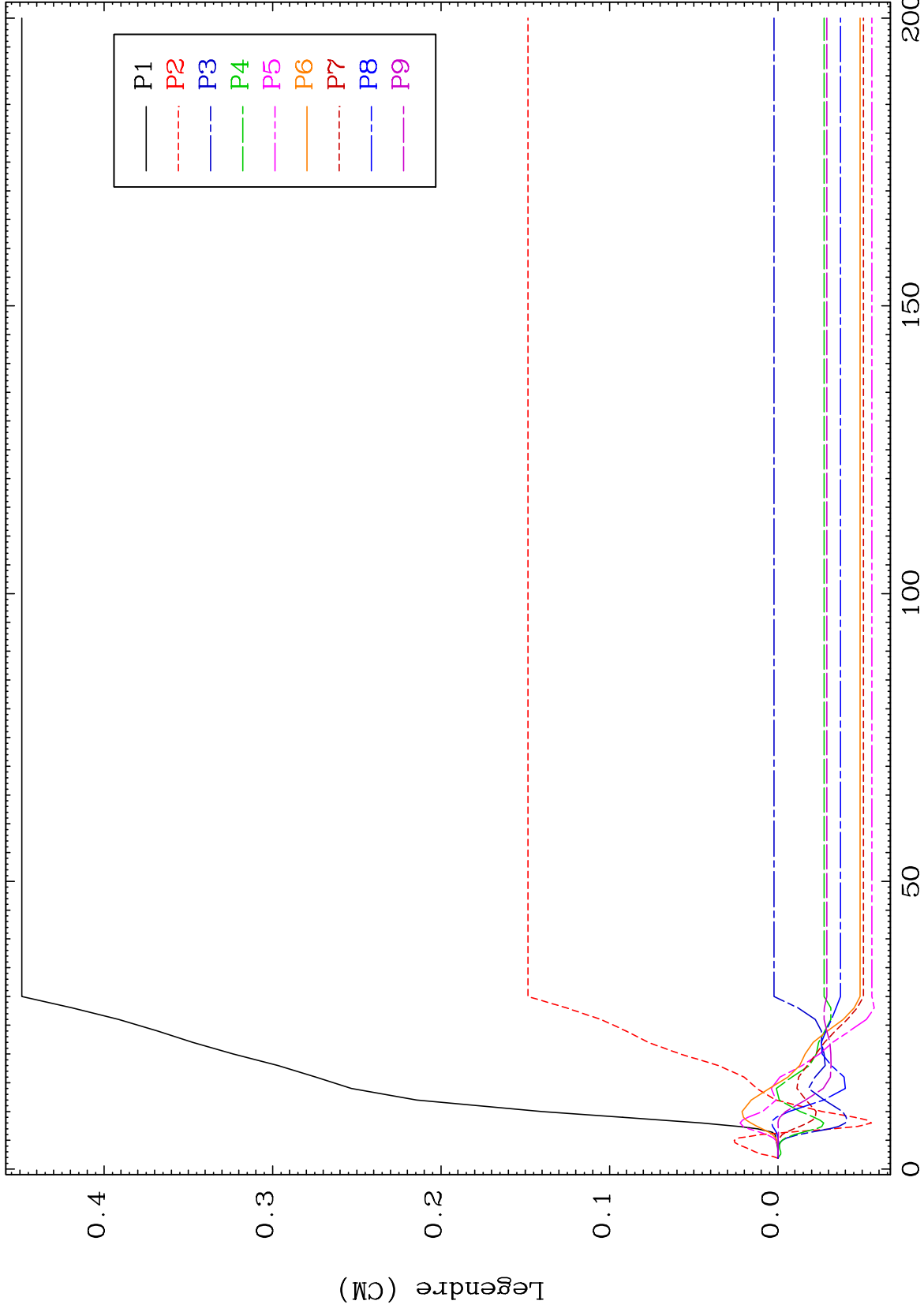
59-Pr-141



MAT 5925

1.842 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



98

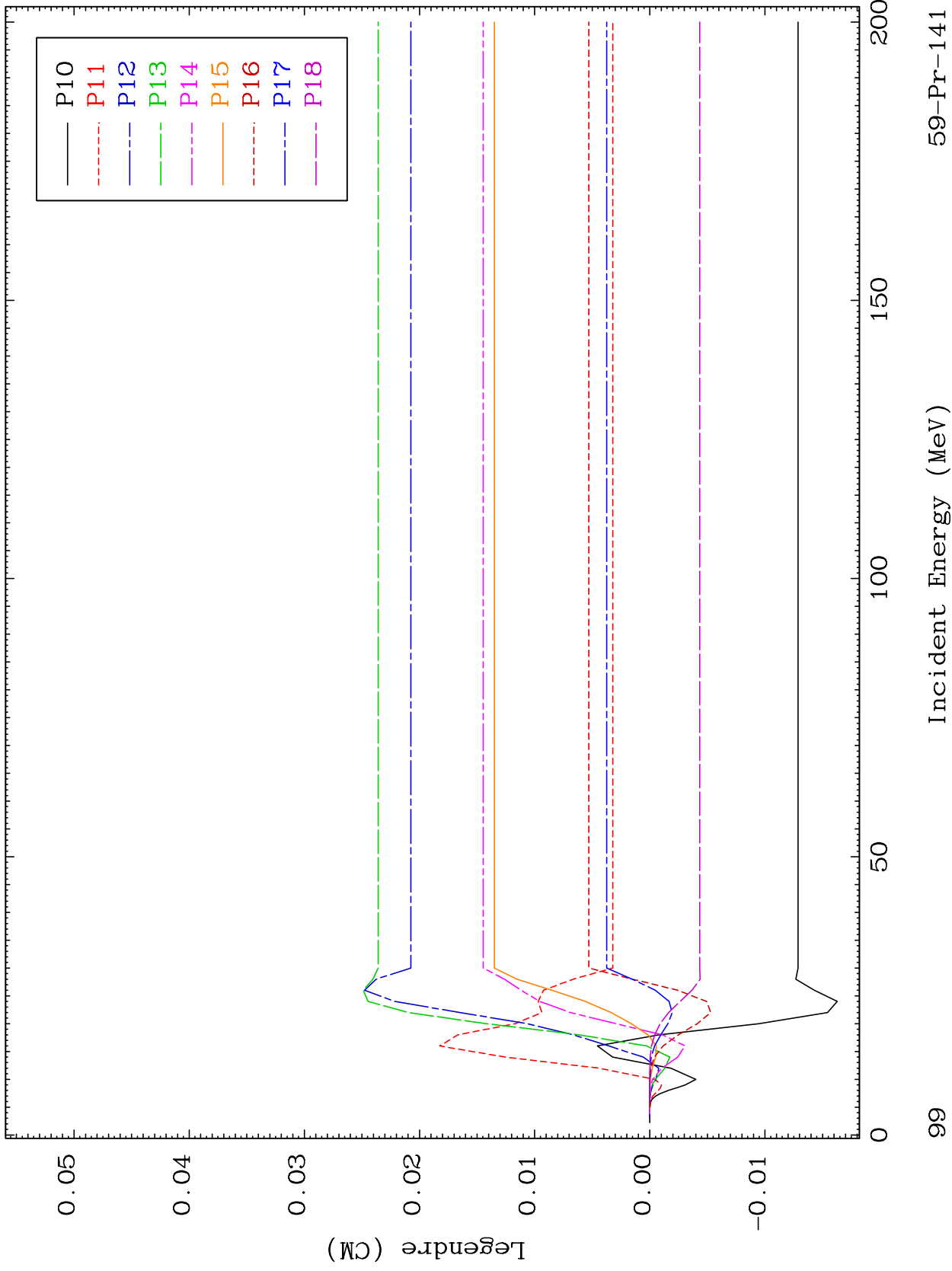
Incident Energy (MeV)

59-Pr-141

MAT 5925

1.842 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



59-Pr-141

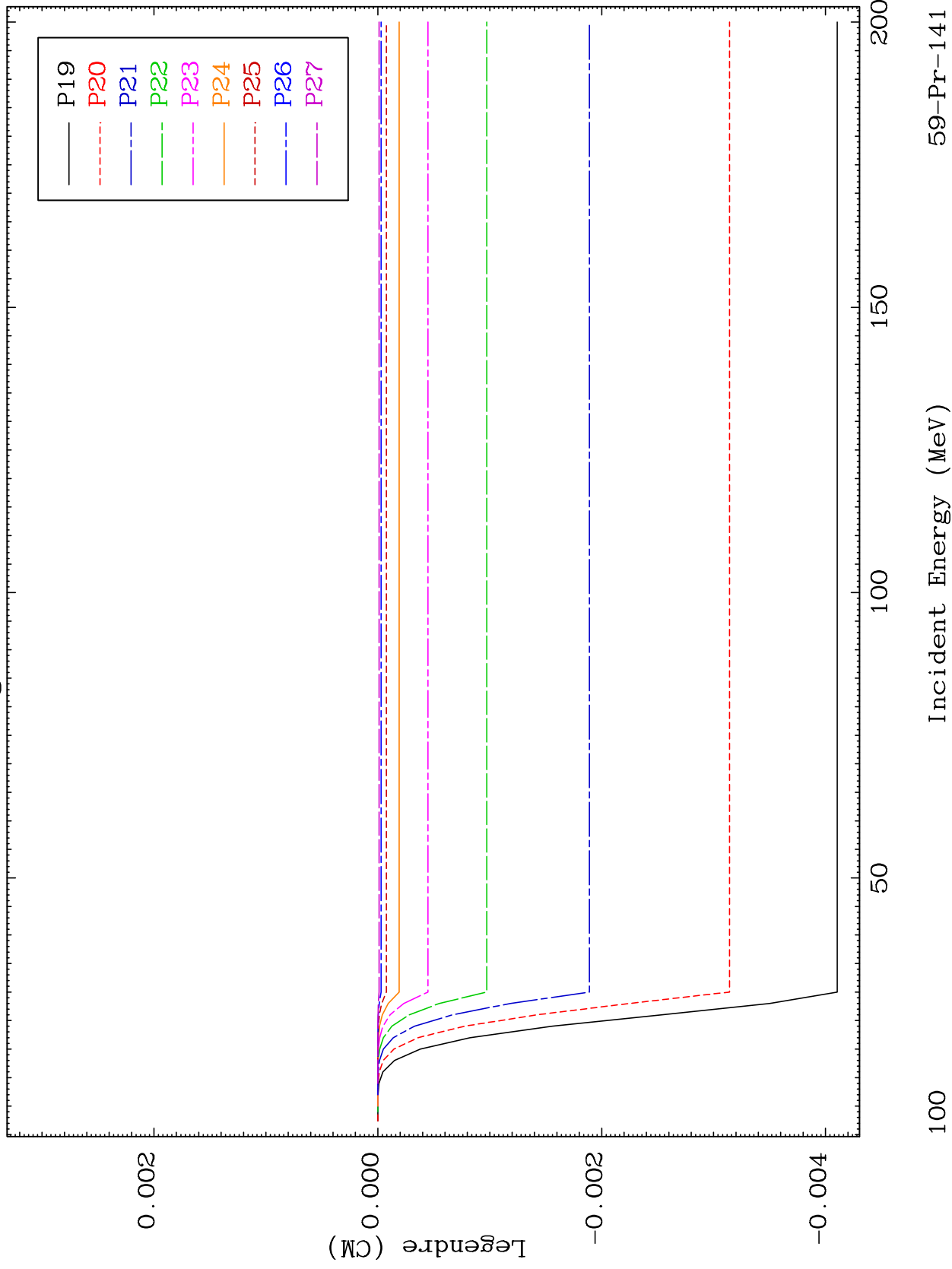
Incident Energy (MeV)

99

MAT 5925

1.842 MeV (n,n') Level  
Legendre Coefficients

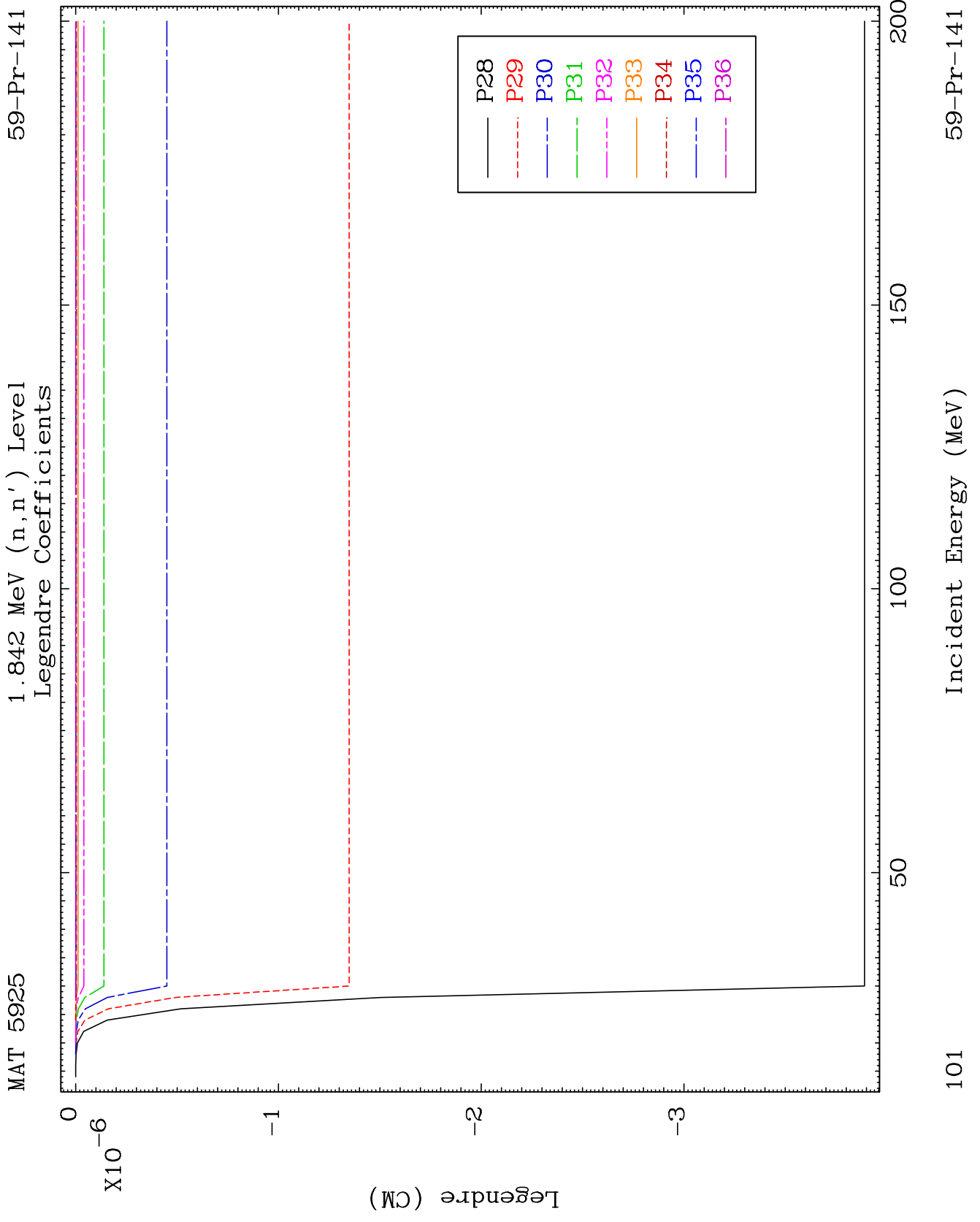
59-Pr-141



100

Incident Energy (MeV)

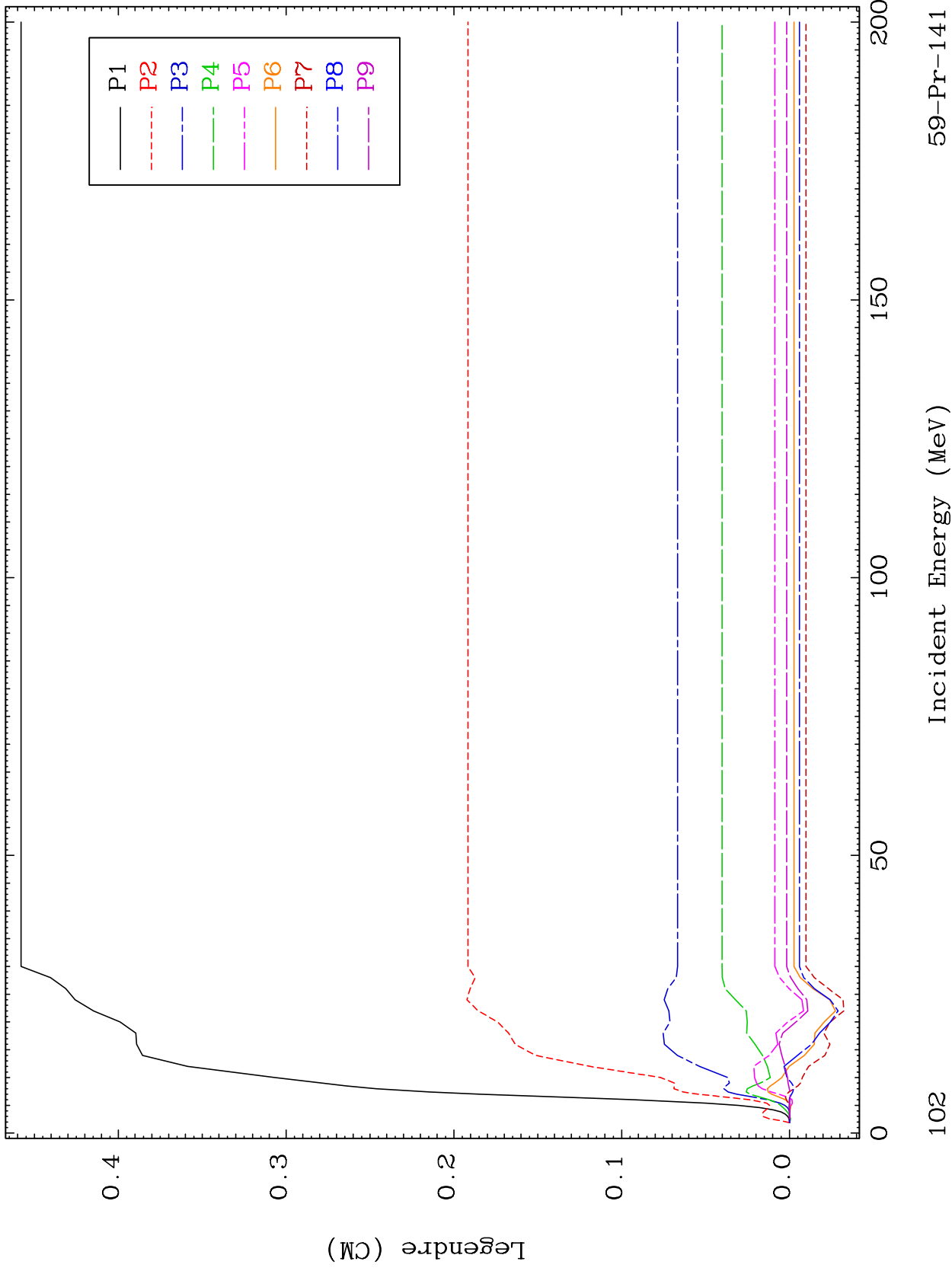
59-Pr-141



MAT 5925

1.854 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



59-Pr-141

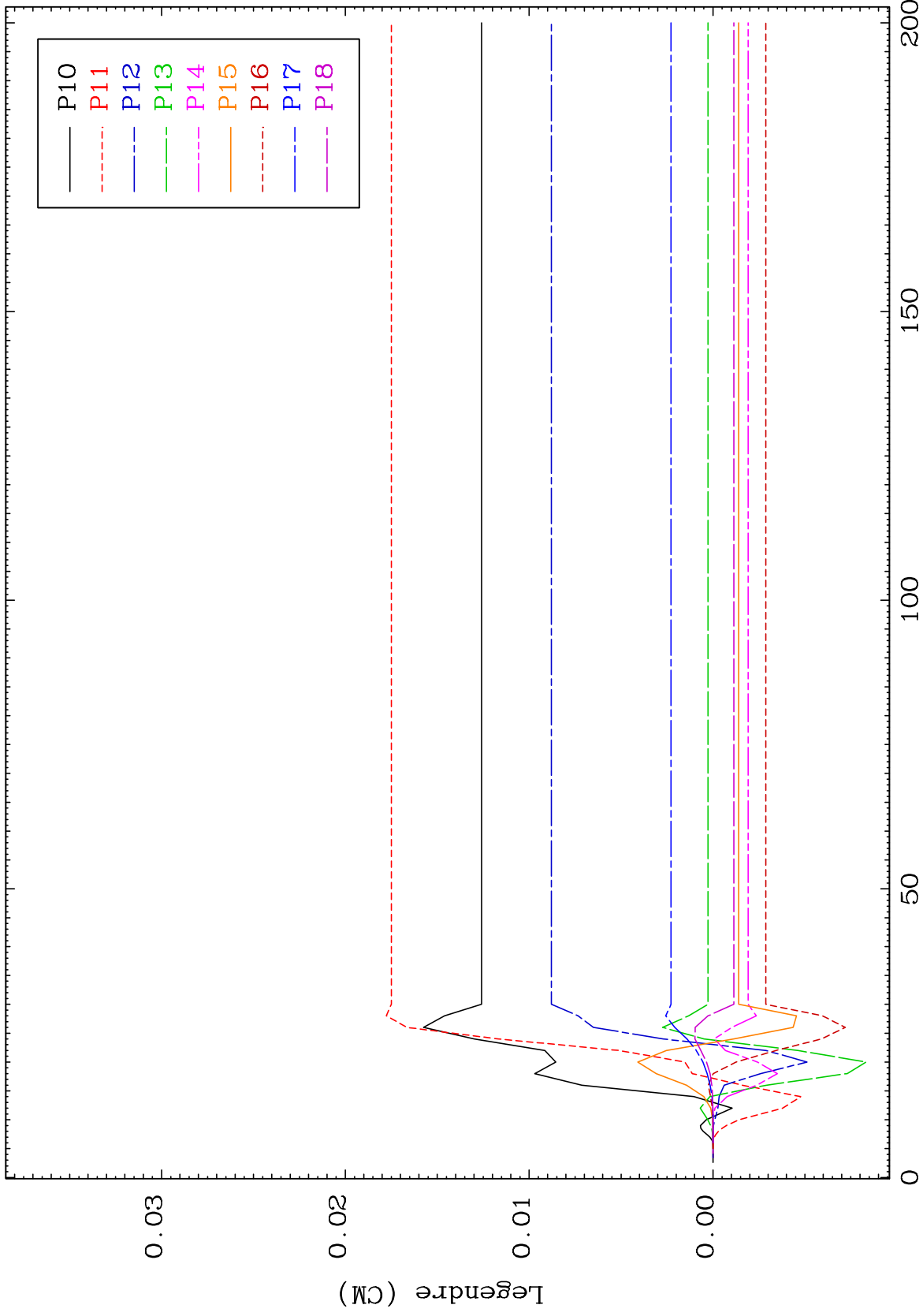
Incident Energy (MeV)

102

MAT 5925

1.854 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



103

Incident Energy (MeV)

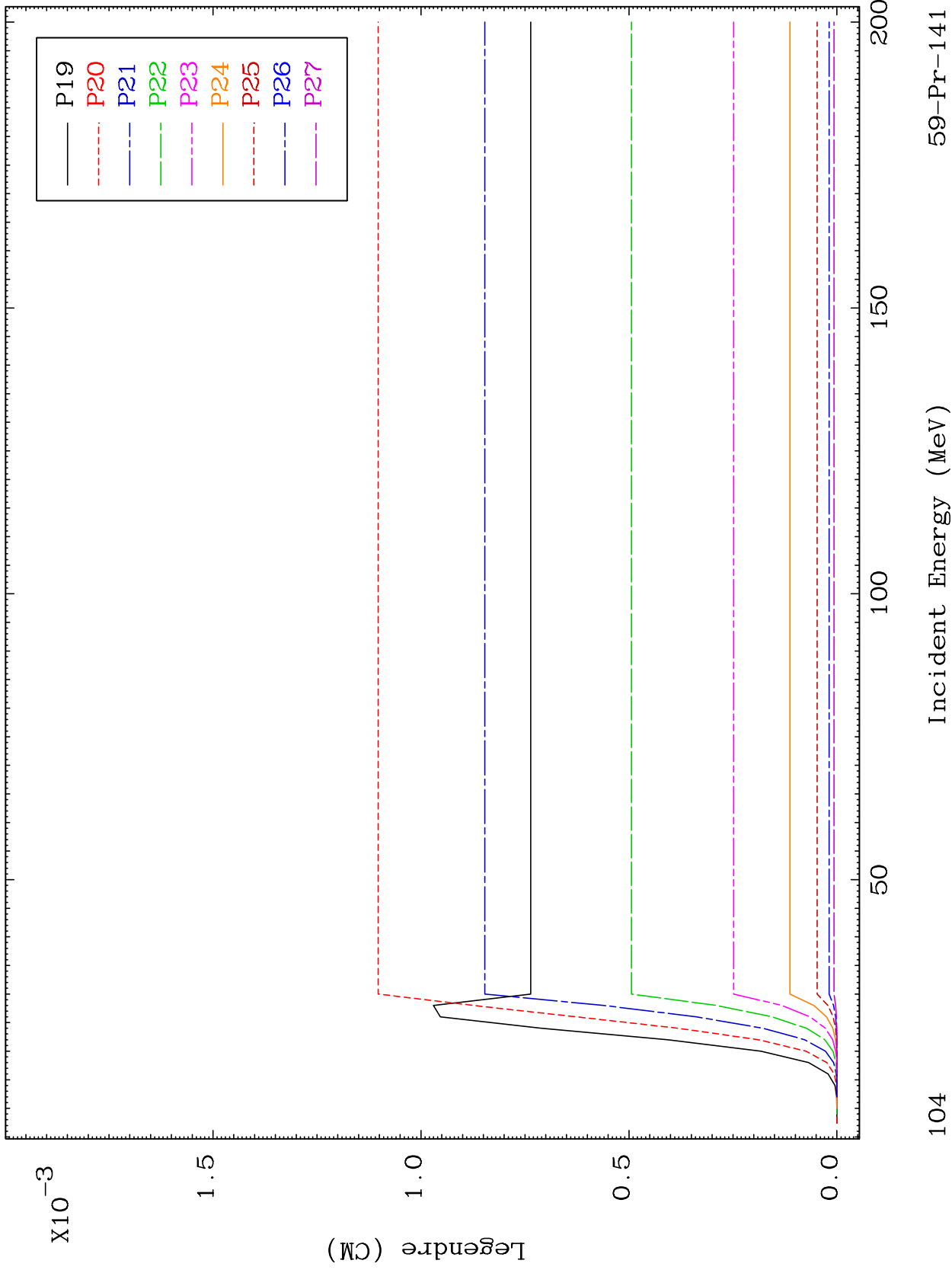
59-Pr-141



MAT 5925

1.854 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



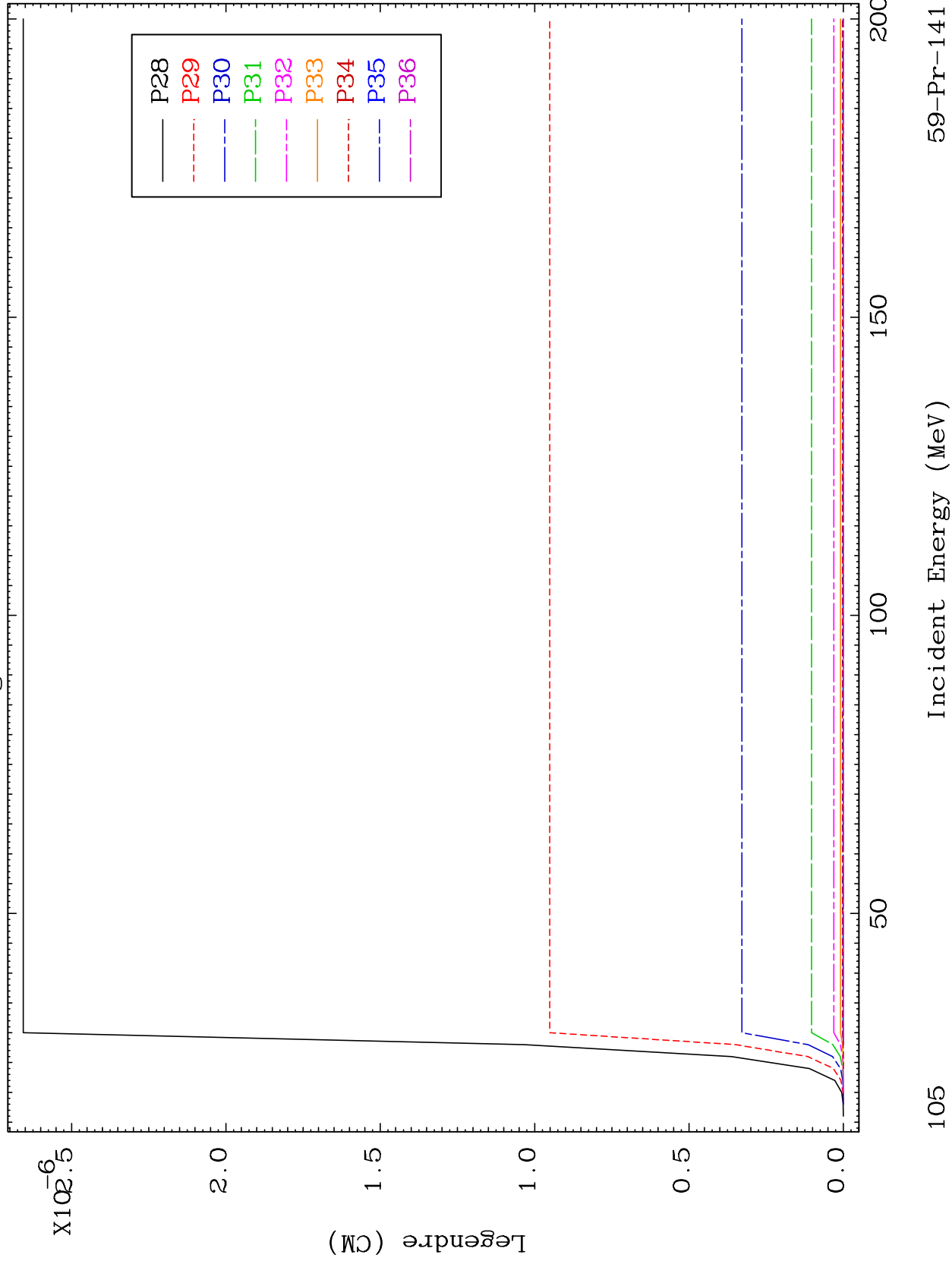
104

59-Pr-141

MAT 5925

1.854 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141

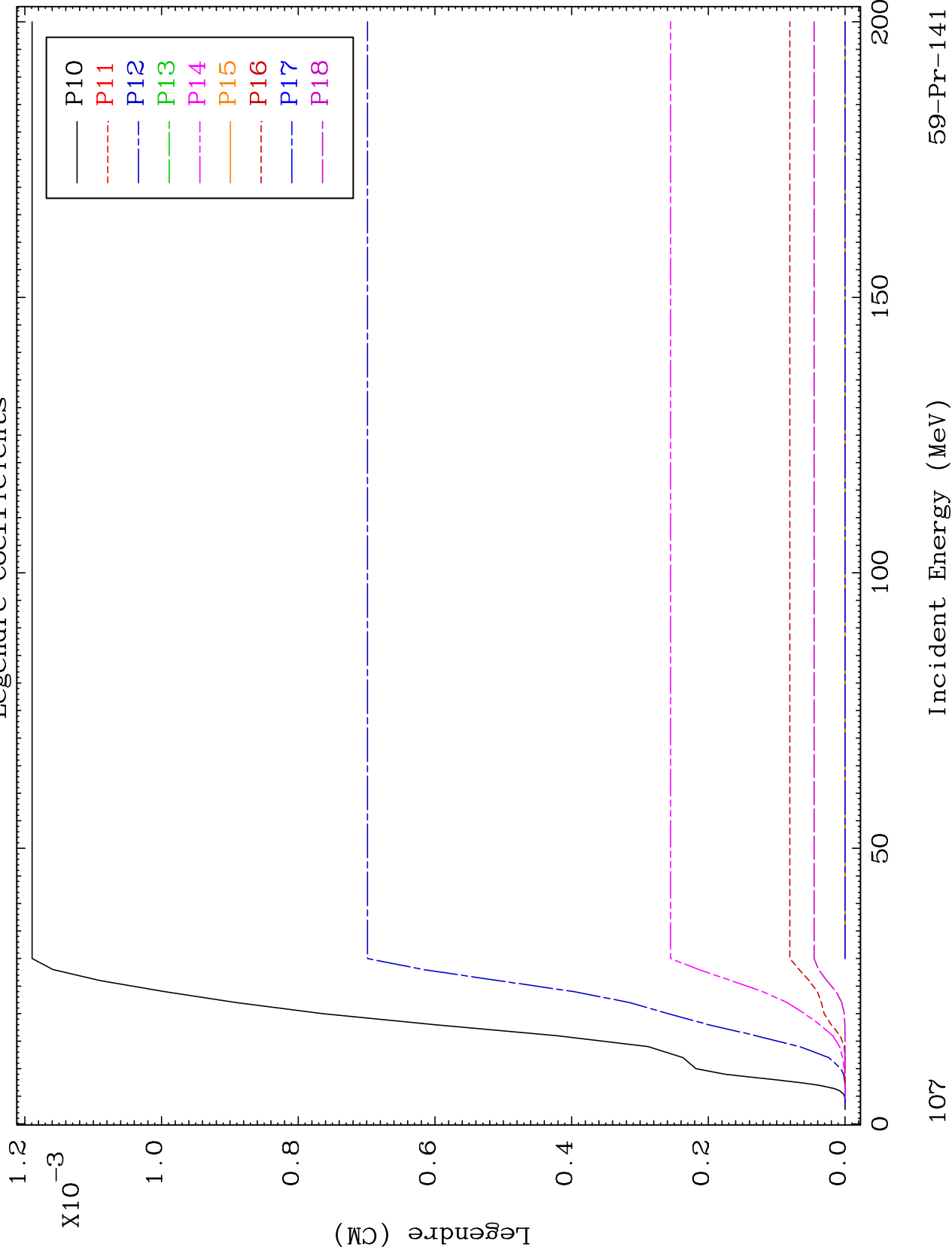


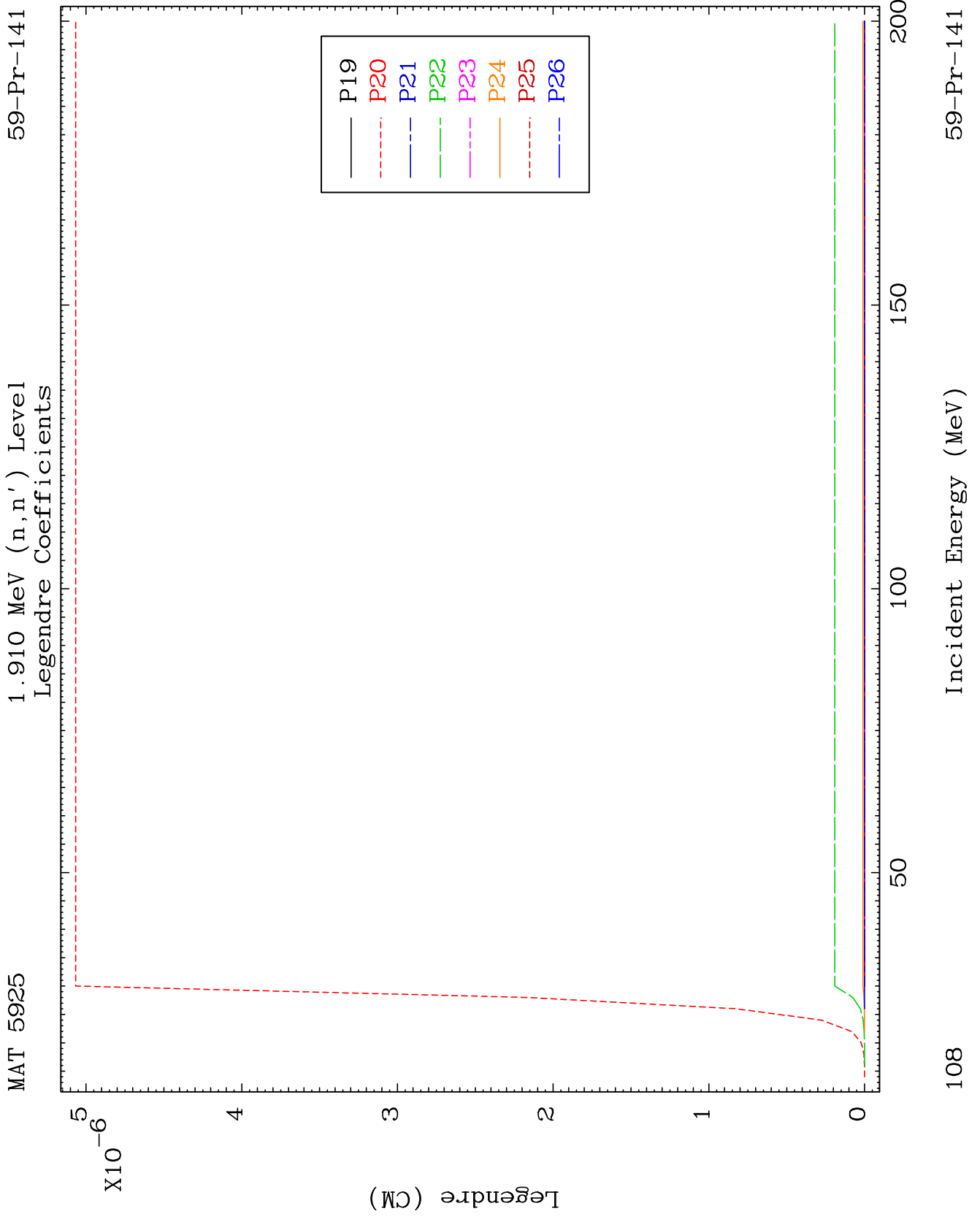
105

Incident Energy (MeV)

59-Pr-141



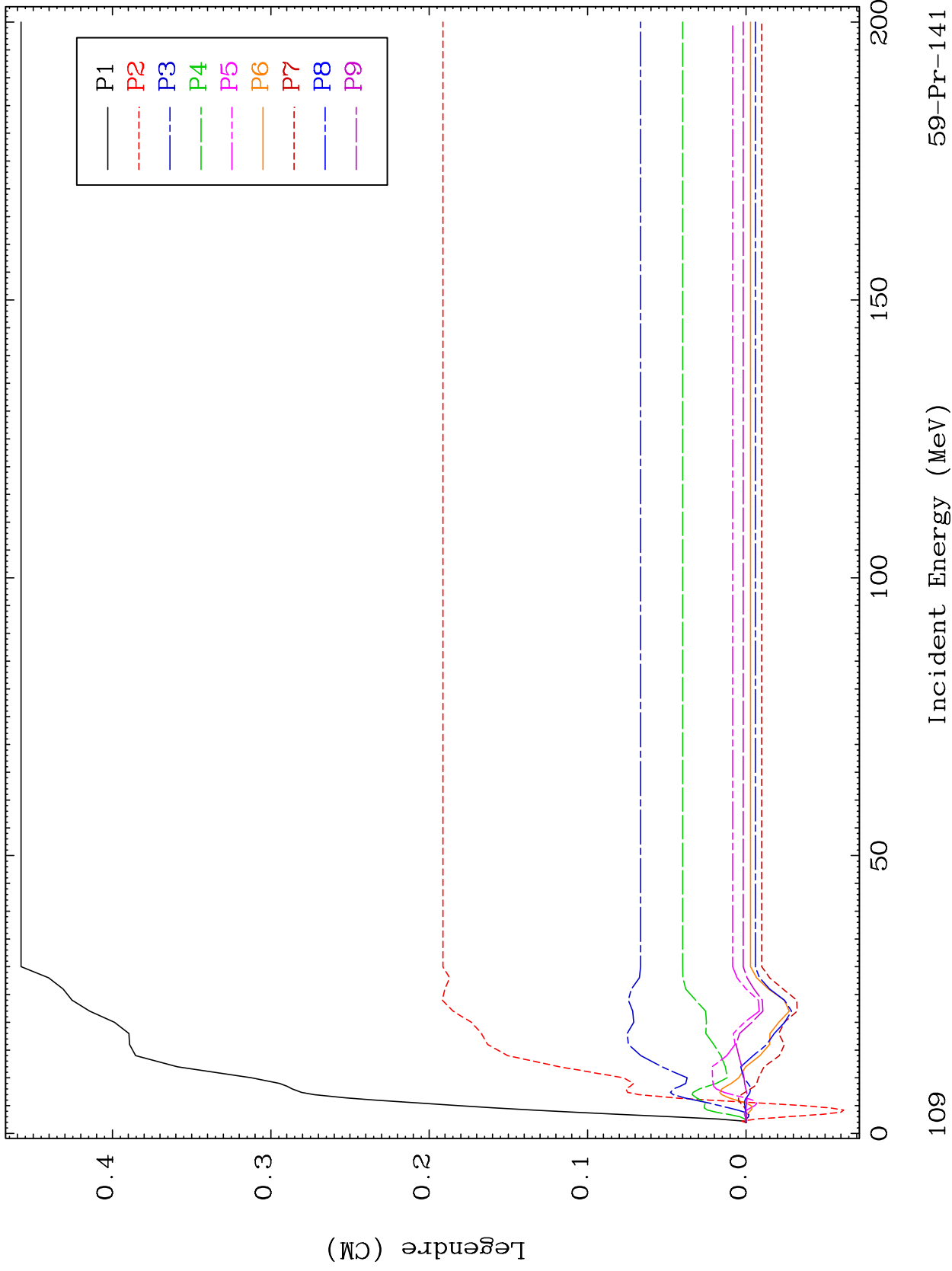




MAT 5925

1.913 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



59-Pr-141

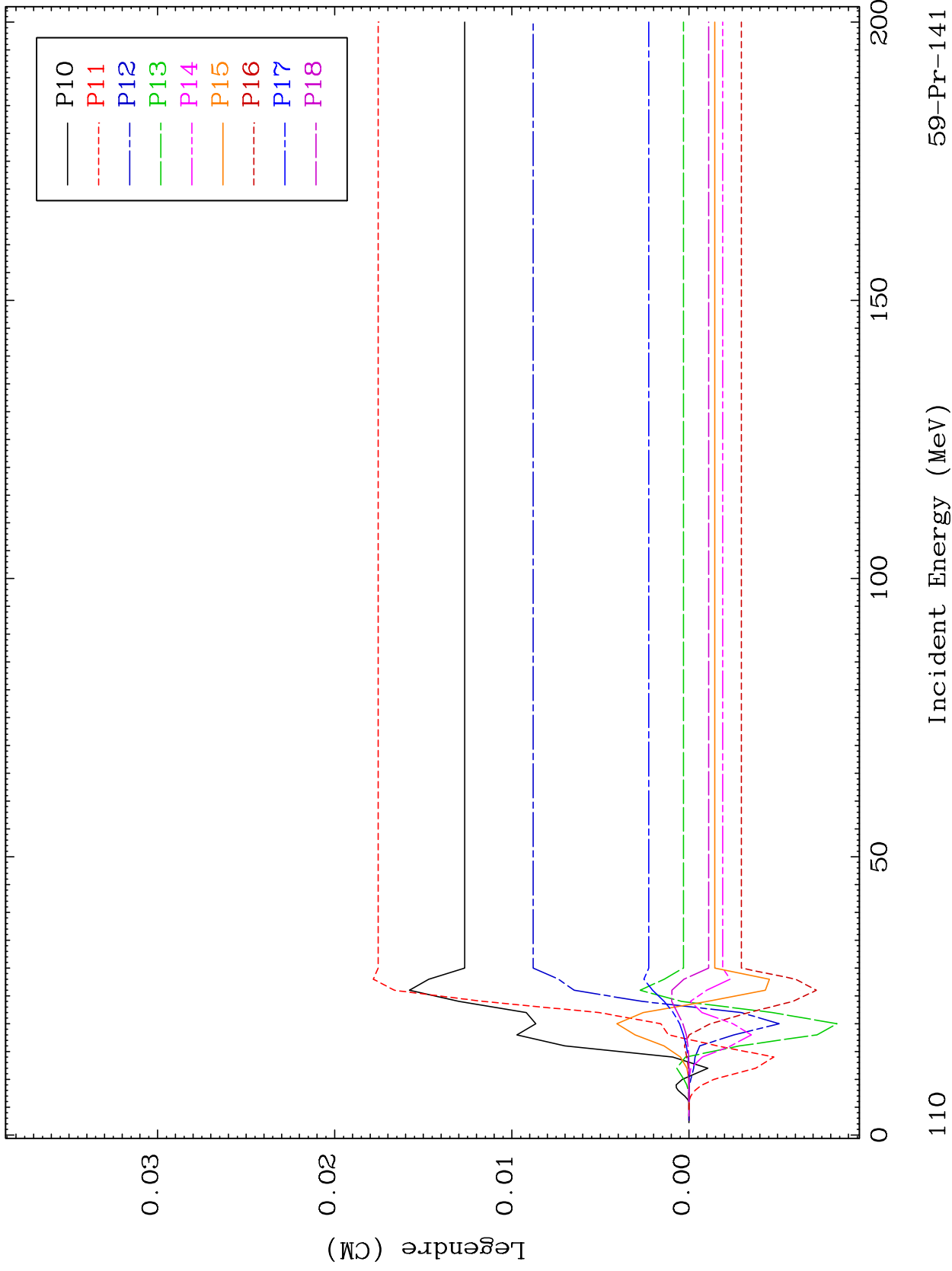
Incident Energy (MeV)

109

MAT 5925

1.913 MeV (n,n') Level  
Legendre Coefficients

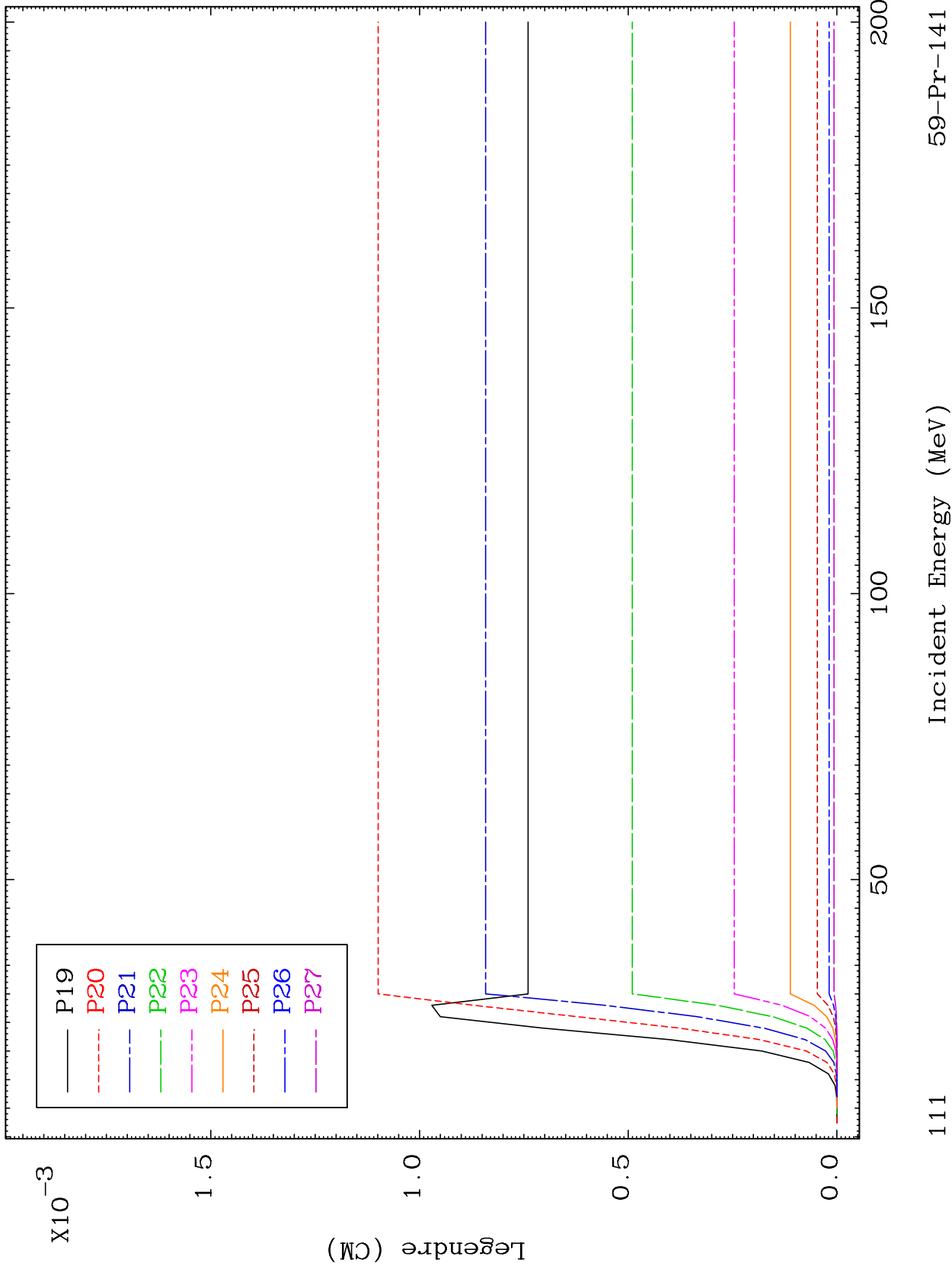
59-Pr-141



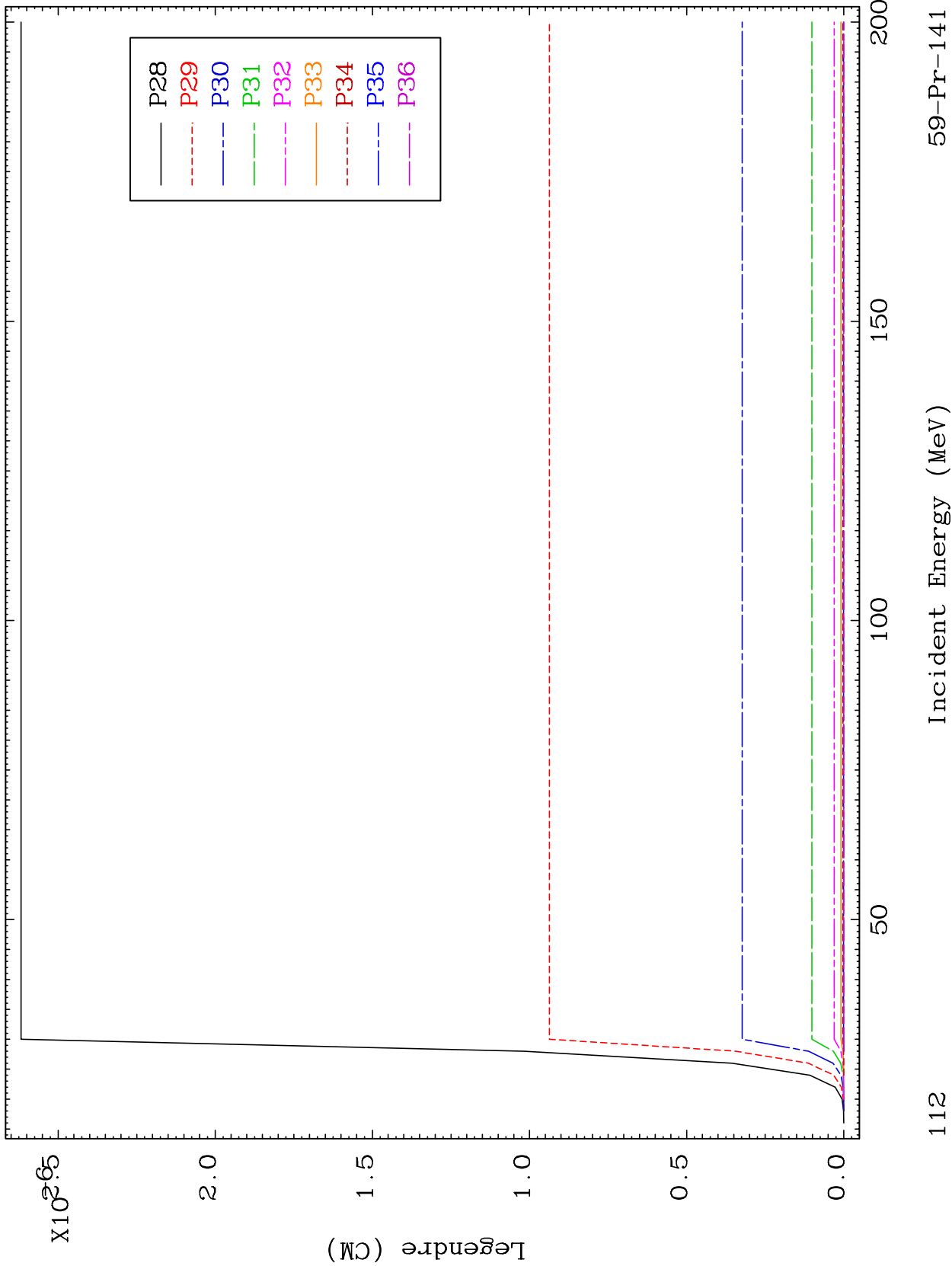
59-Pr-141

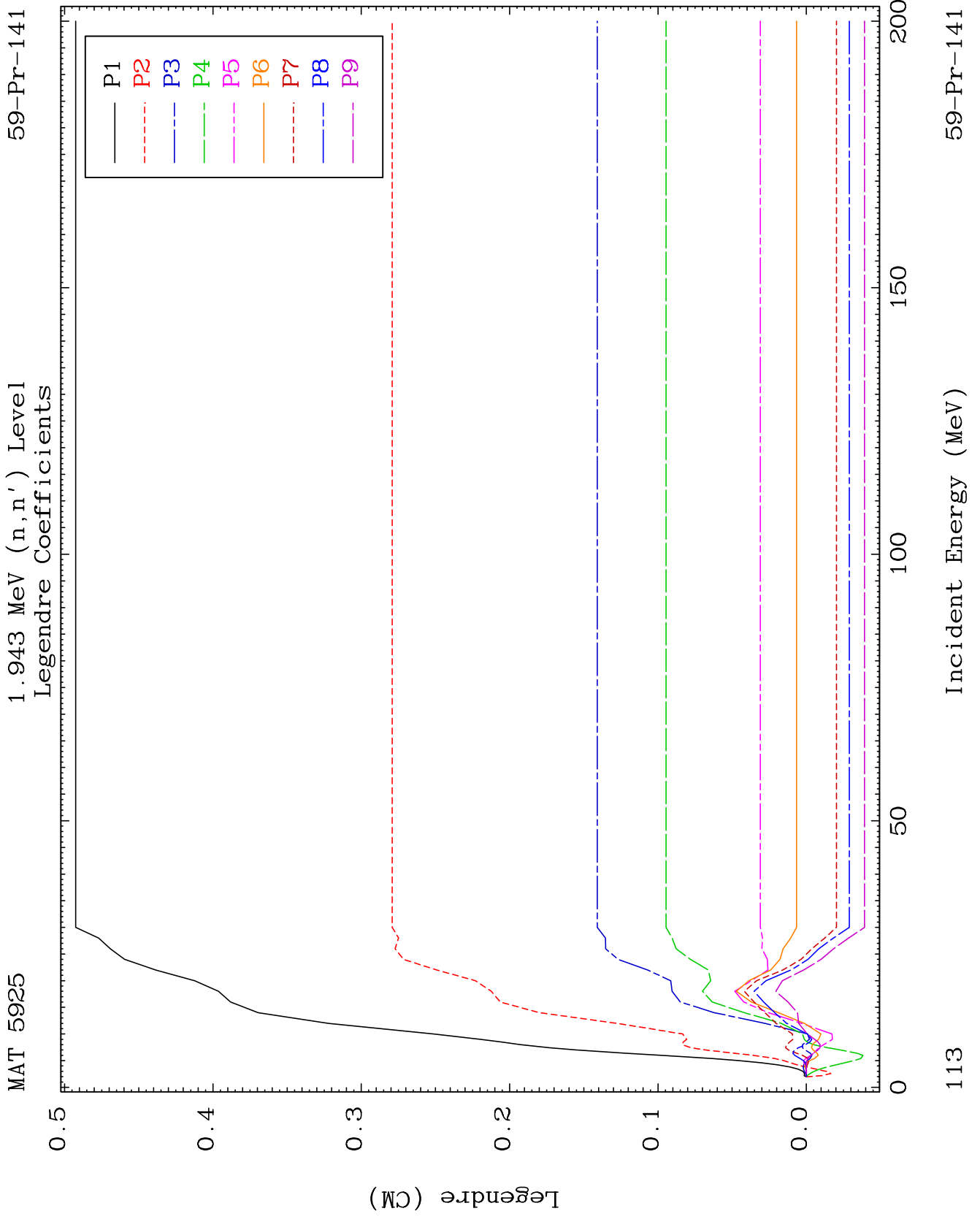
Incident Energy (MeV)

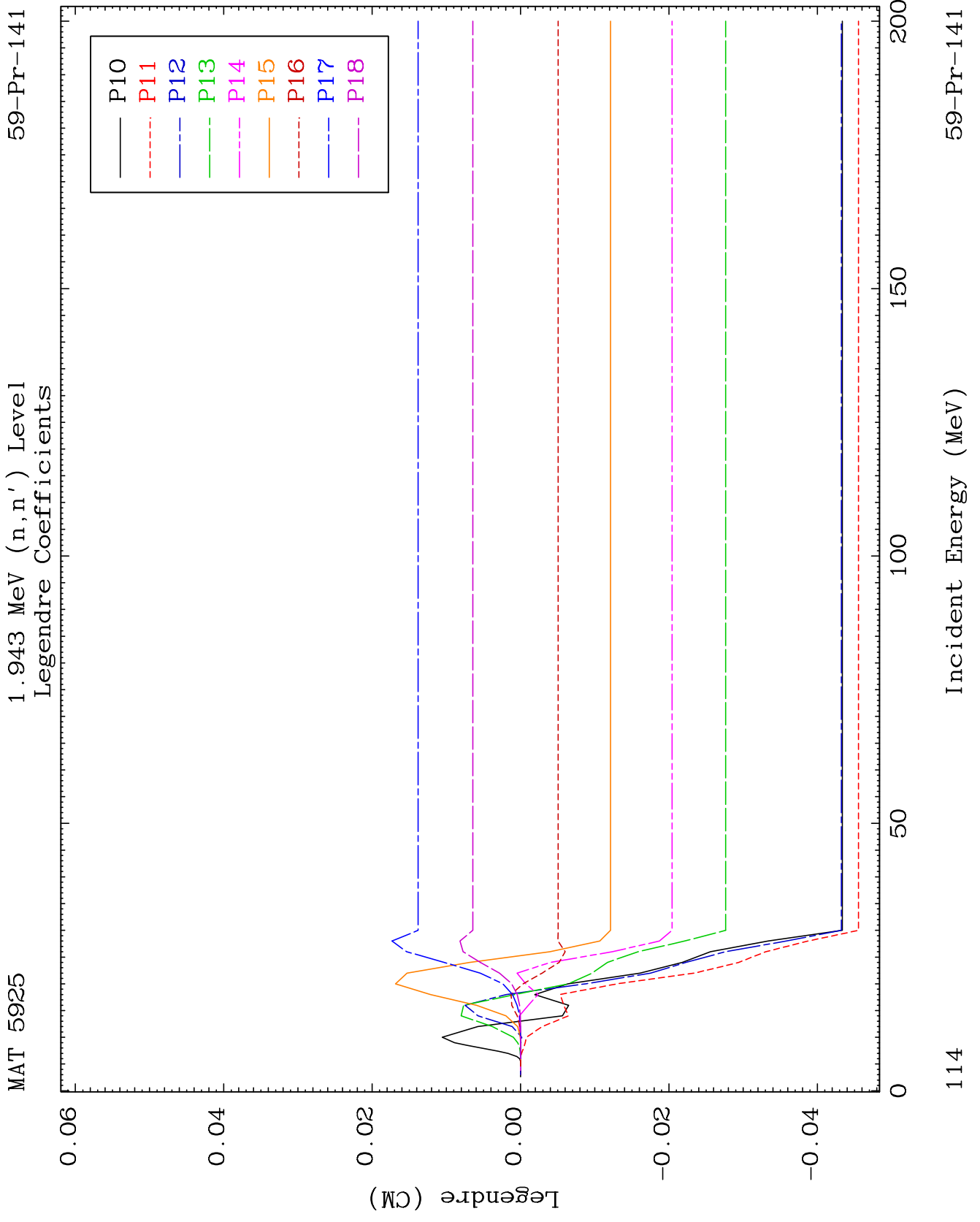
110









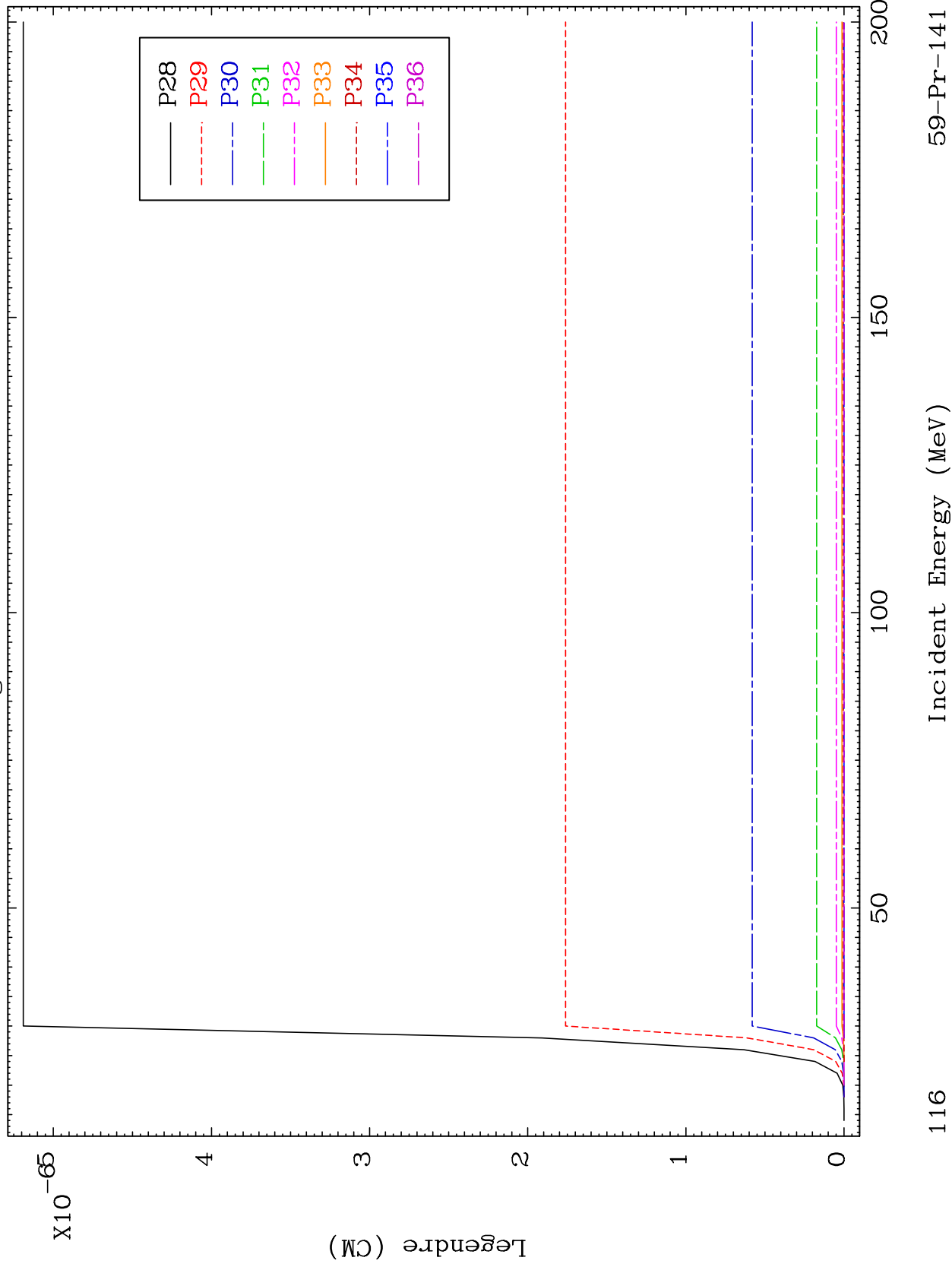




MAT 5925

1.943 MeV (n,n') Level  
Legendre Coefficients

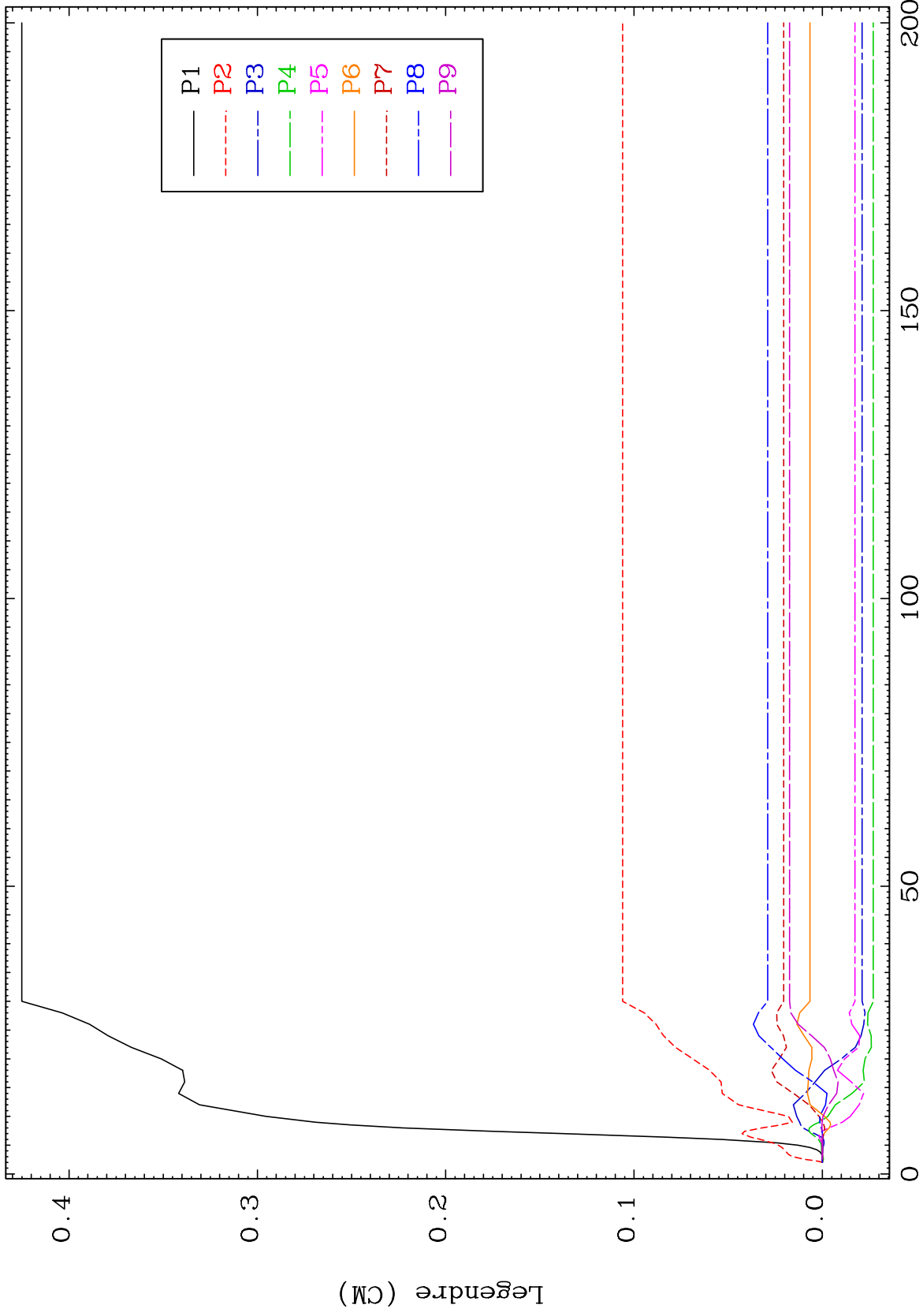
59-Pr-141



MAT 5925

1.976 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



117

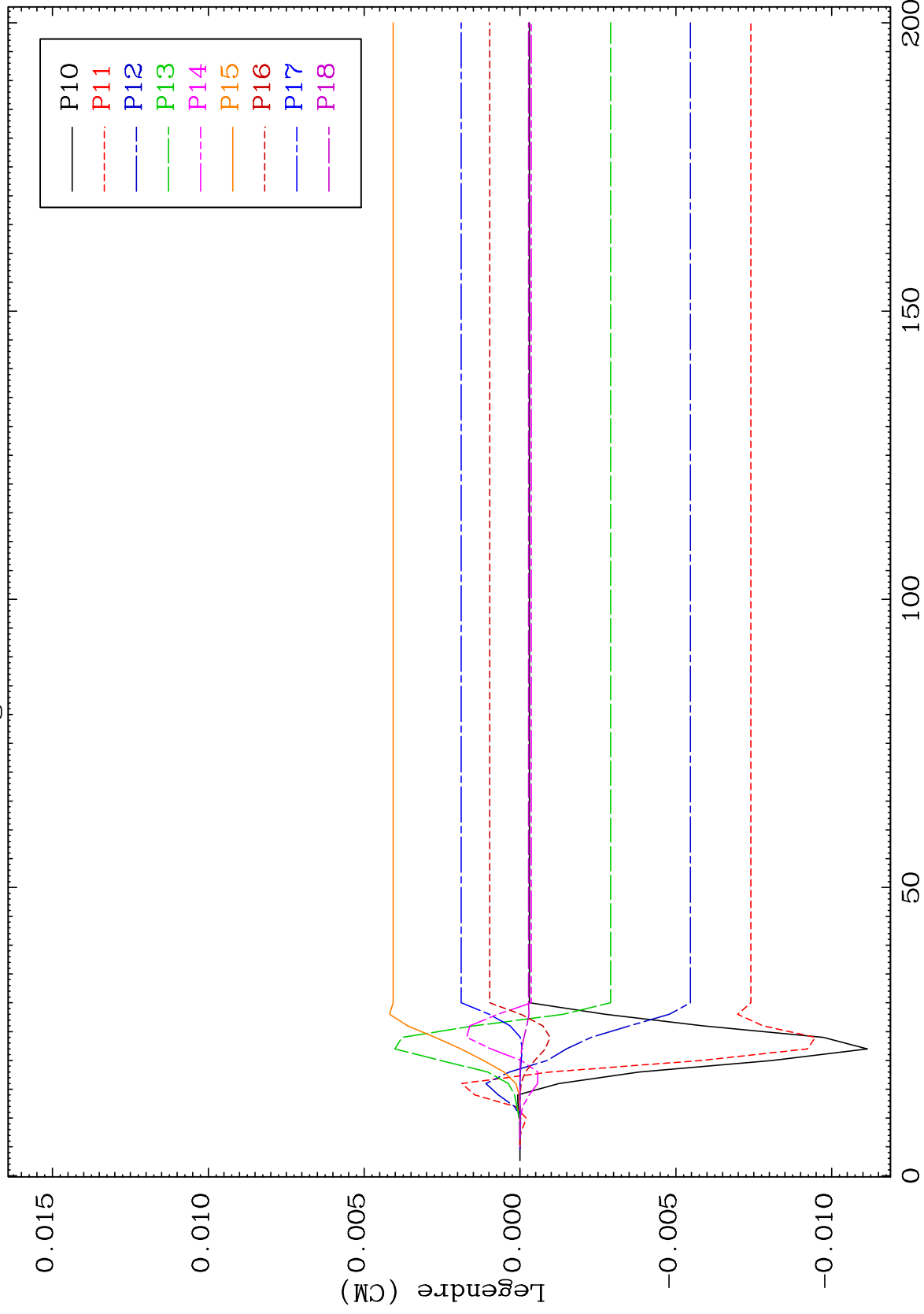
Incident Energy (MeV)

59-Pr-141

MAT 5925

1.976 MeV (n,n') Level  
Legendre Coefficients

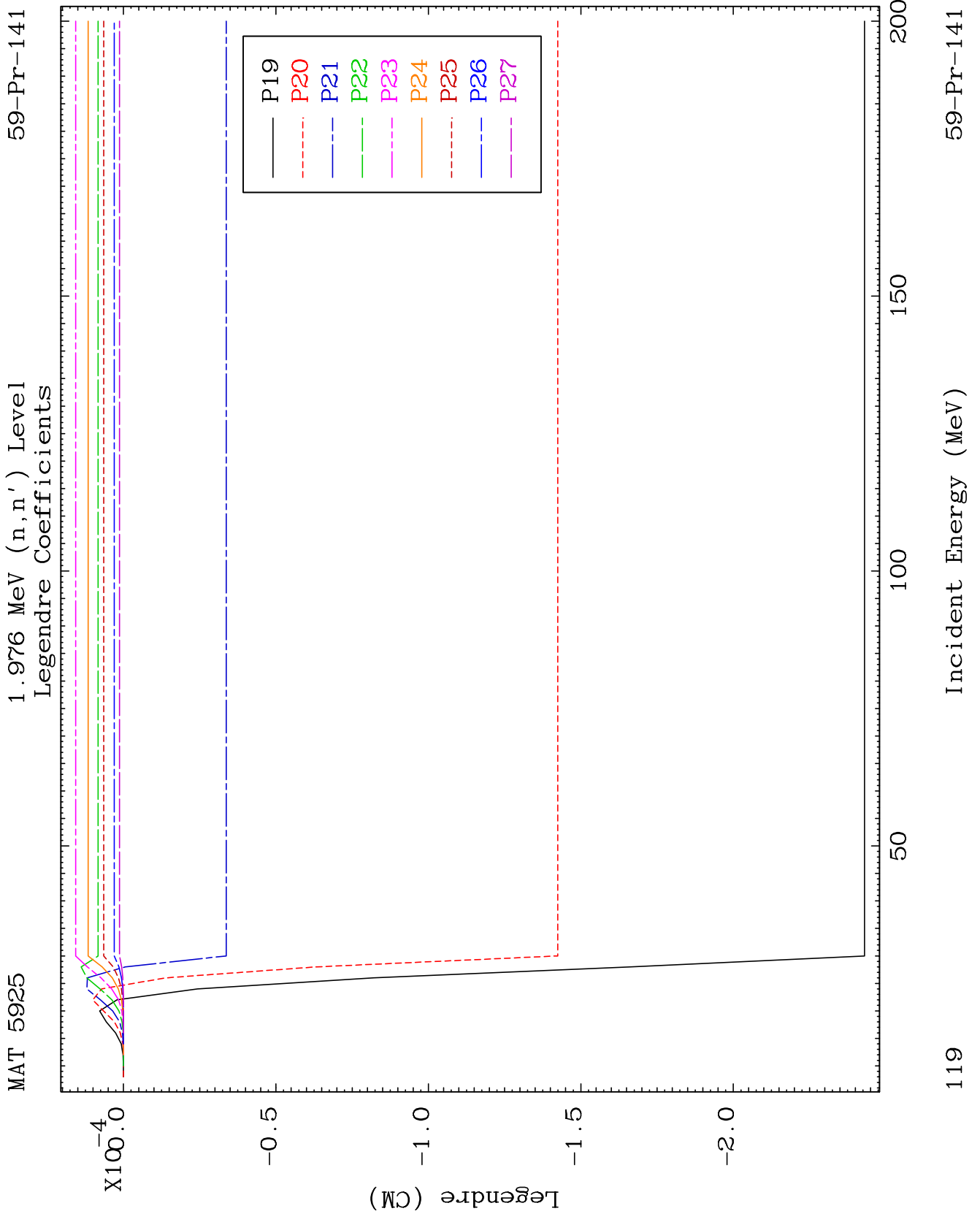
59-Pr-141



118

Incident Energy (MeV)

59-Pr-141

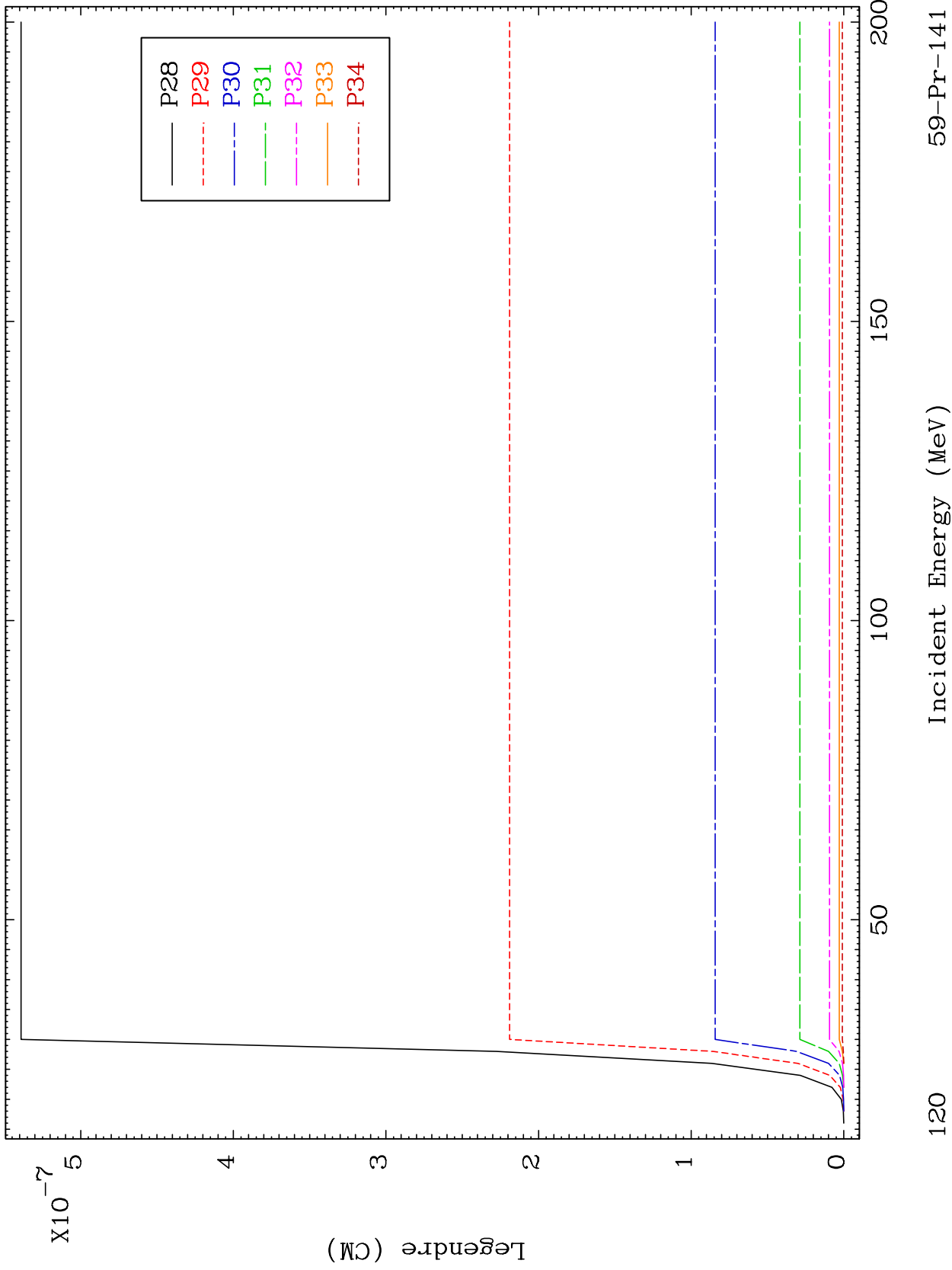




MAT 5925

1.976 MeV (n,n') Level  
Legendre Coefficients

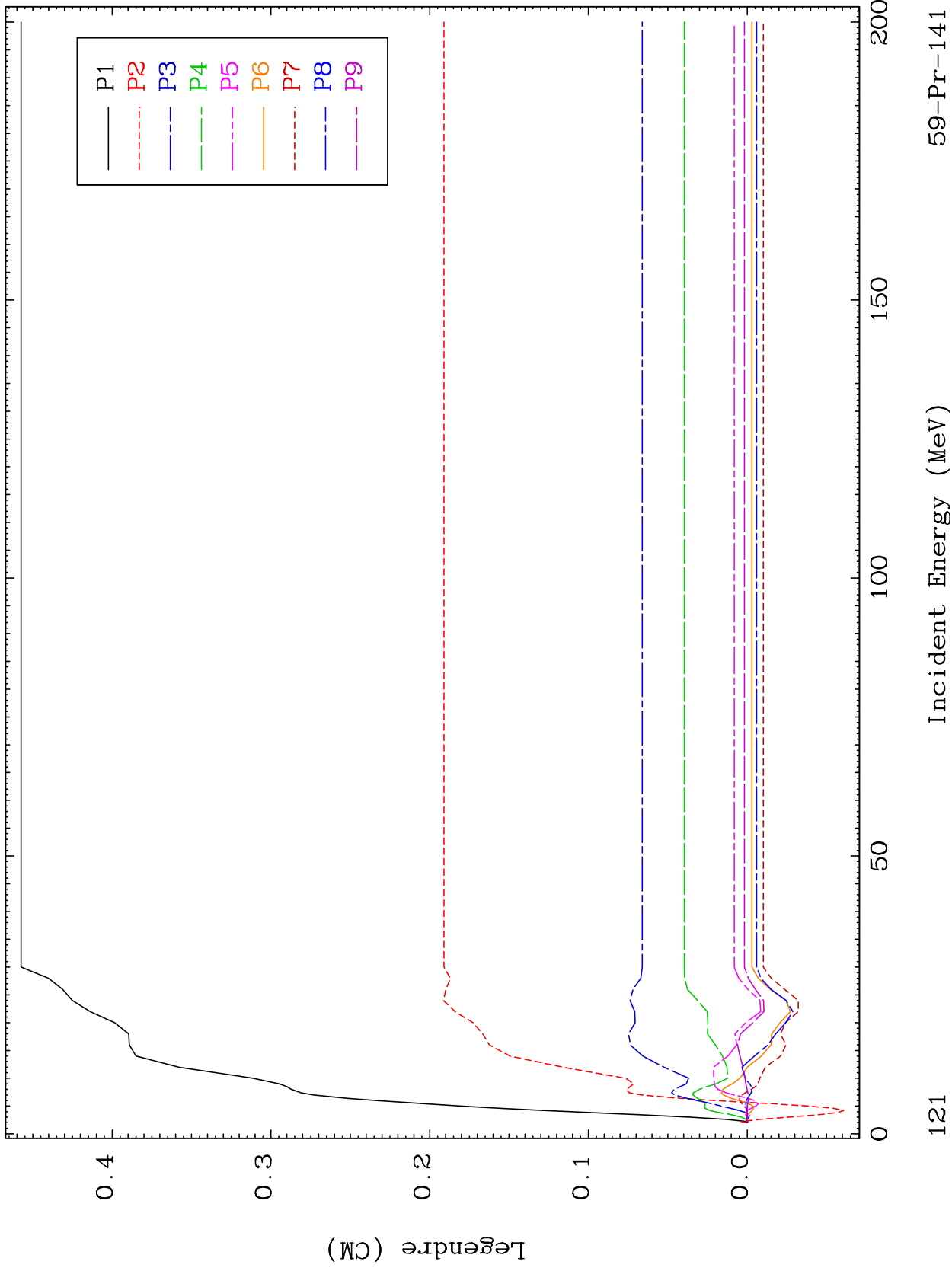
59-Pr-141



MAT 5925

1.987 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



59-Pr-141

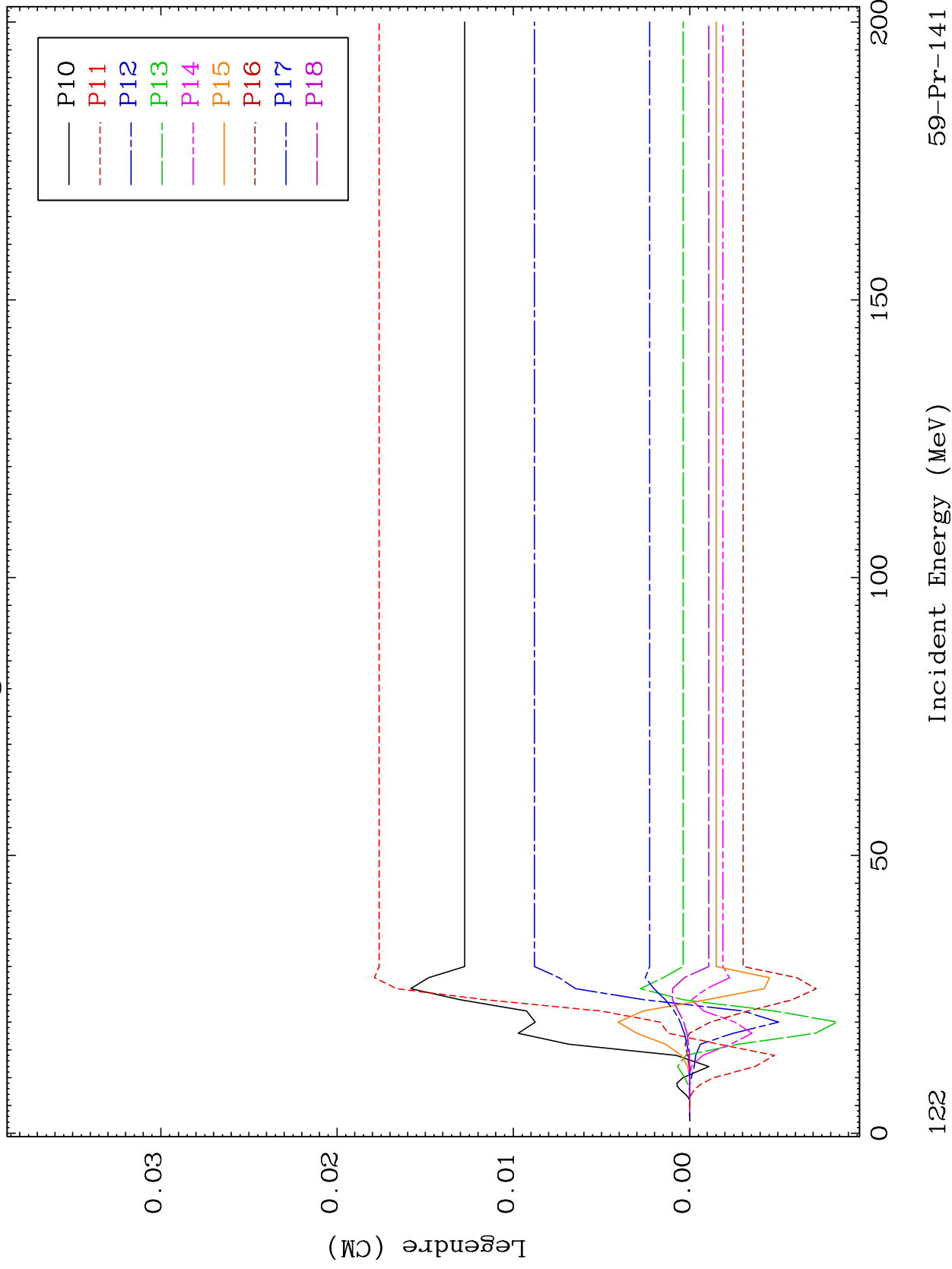
Incident Energy (MeV)

121

MAT 5925

1.987 MeV (n,n') Level  
Legendre Coefficients

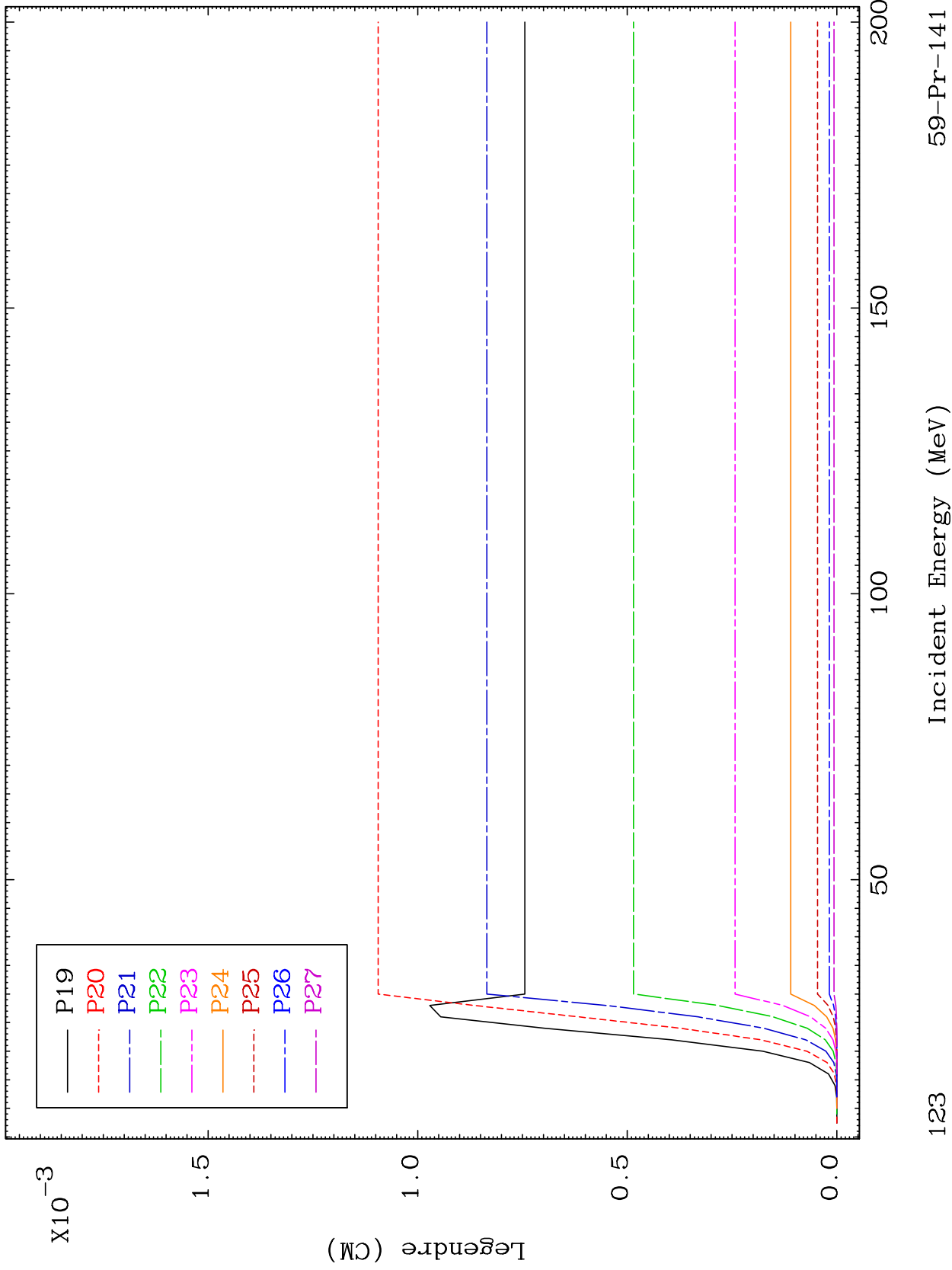
59-Pr-141



59-Pr-141

Incident Energy (MeV)

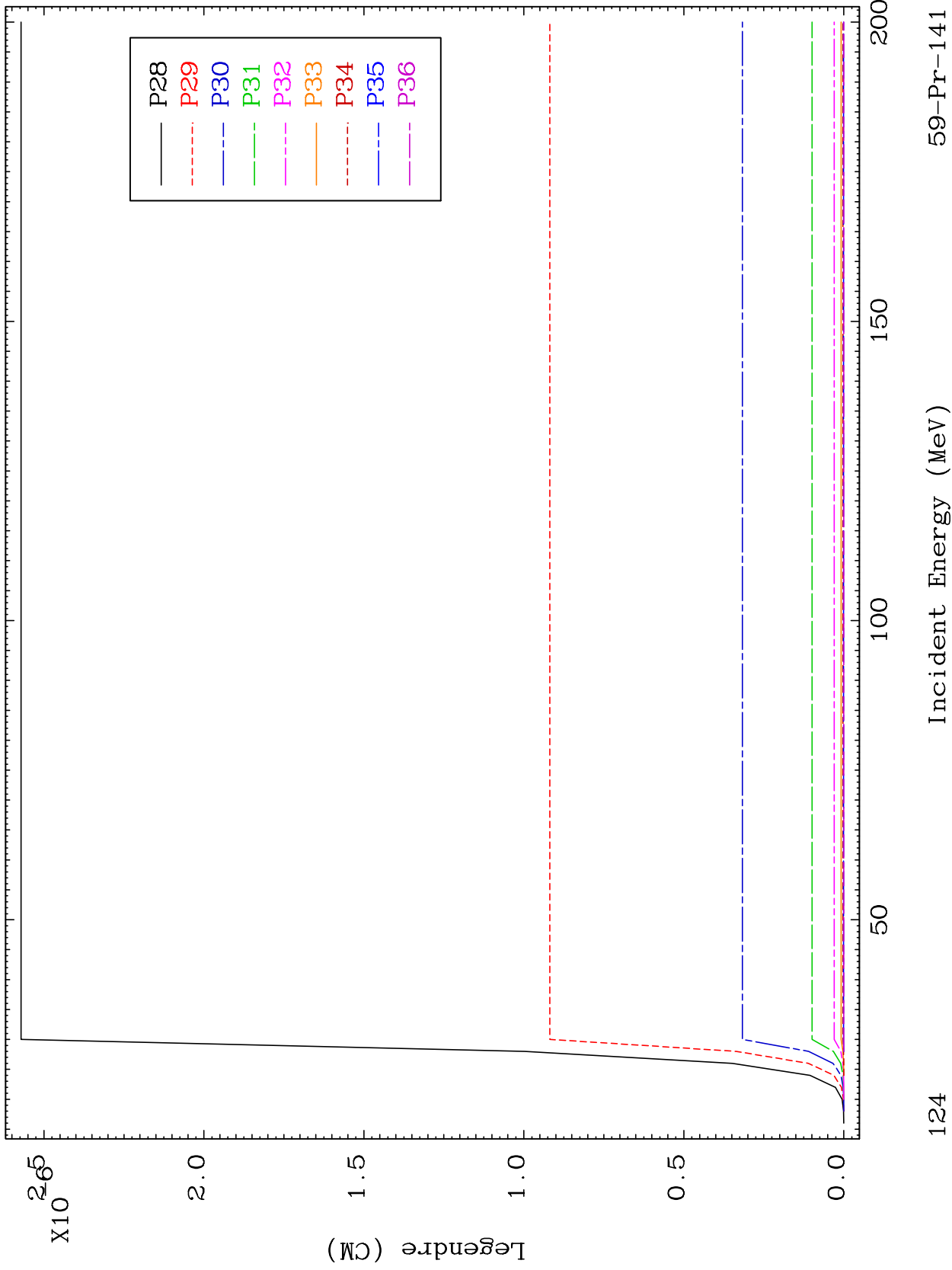
122



MAT 5925

1.987 MeV (n, n') Level  
Legendre Coefficients

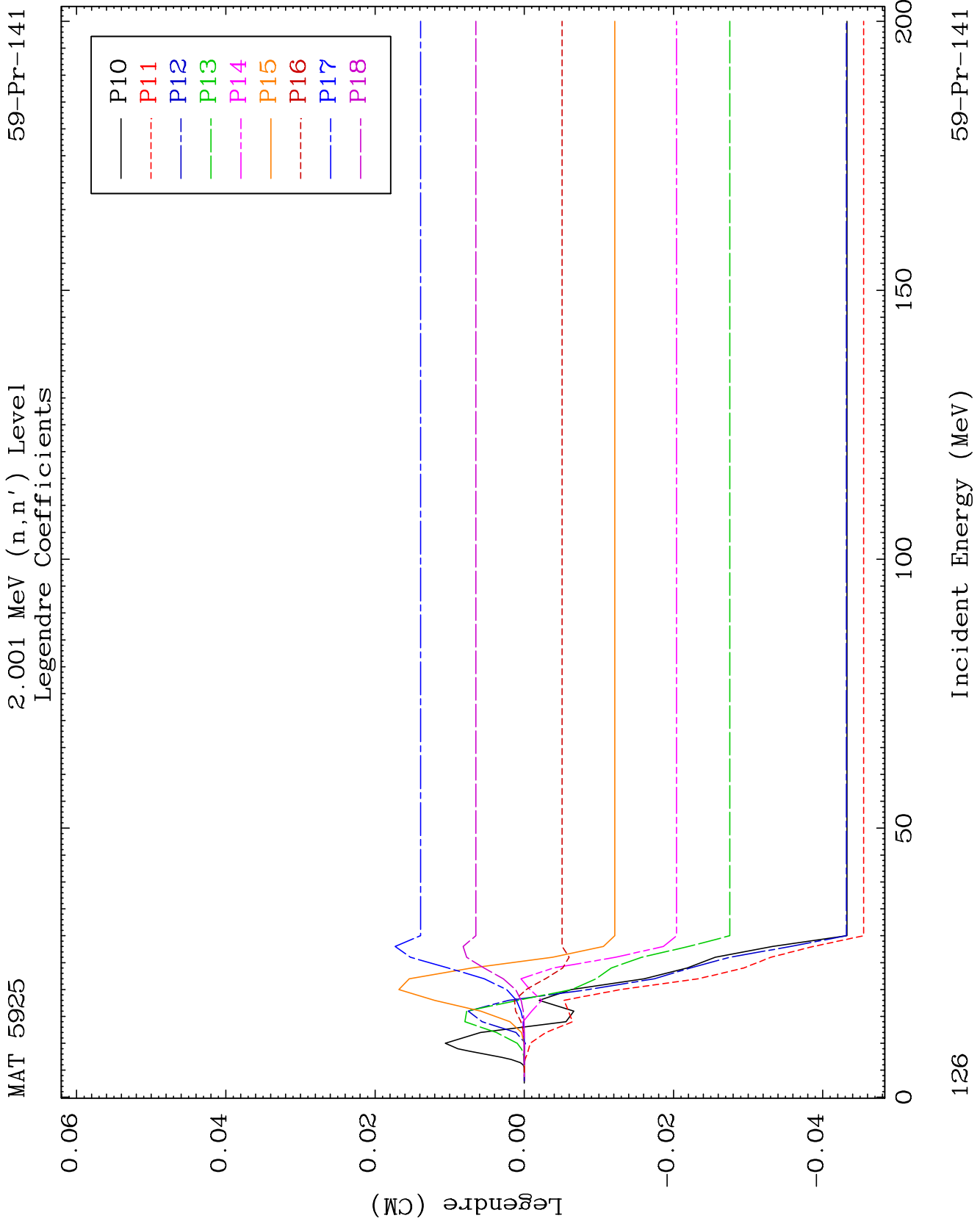
59-Pr-141

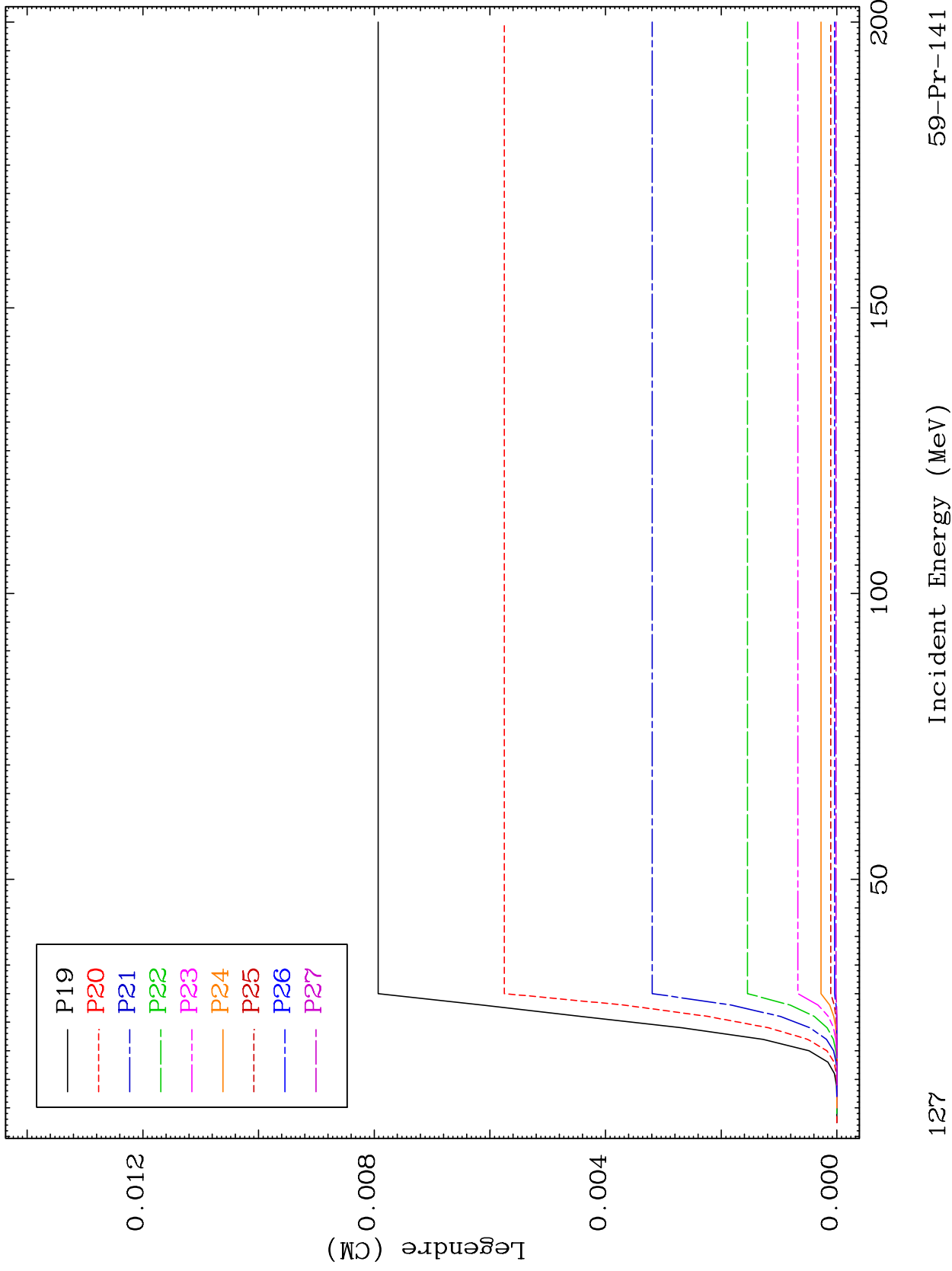


124

59-Pr-141





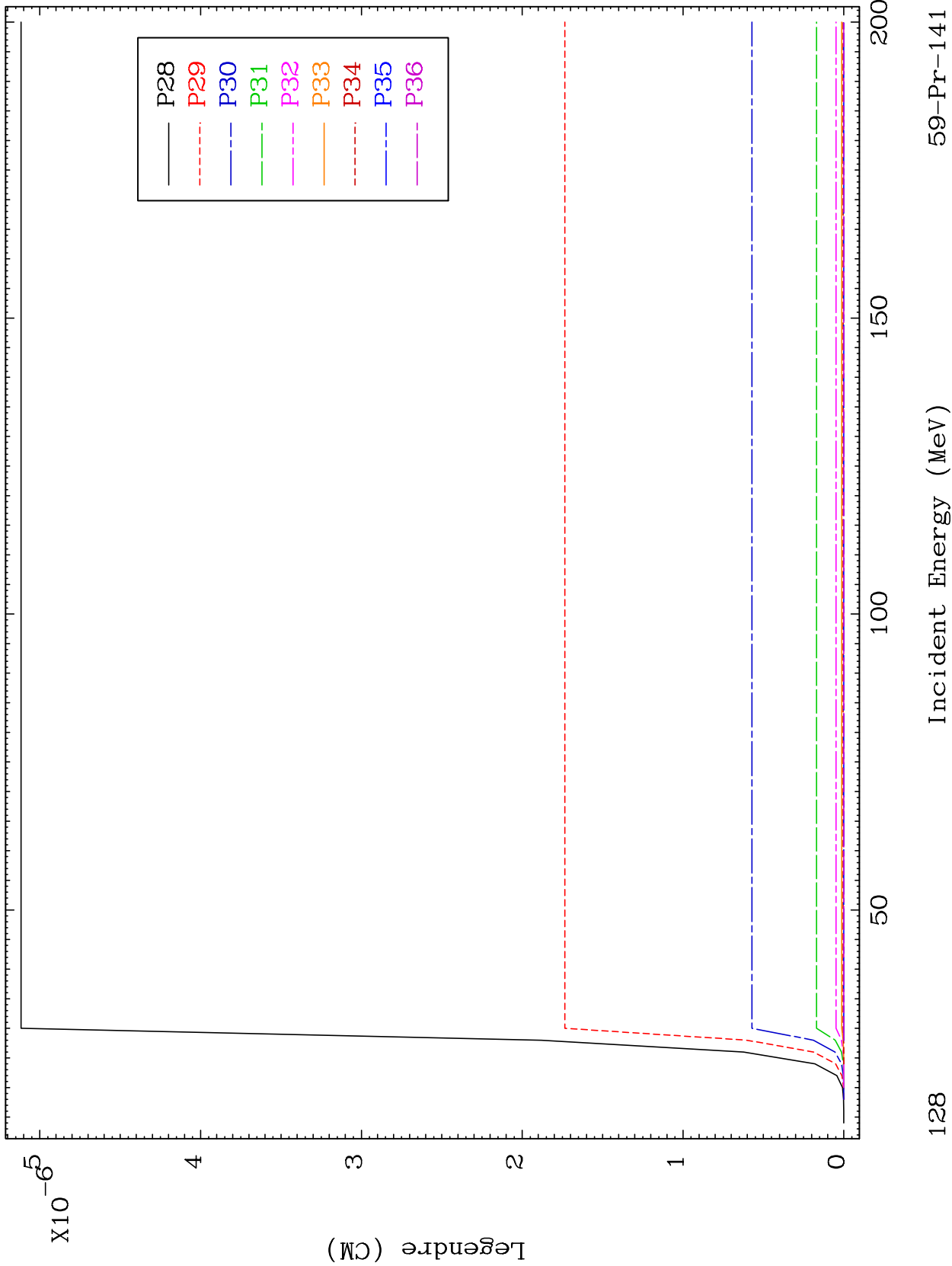




MAT 5925

2.001 MeV (n,n') Level  
Legendre Coefficients

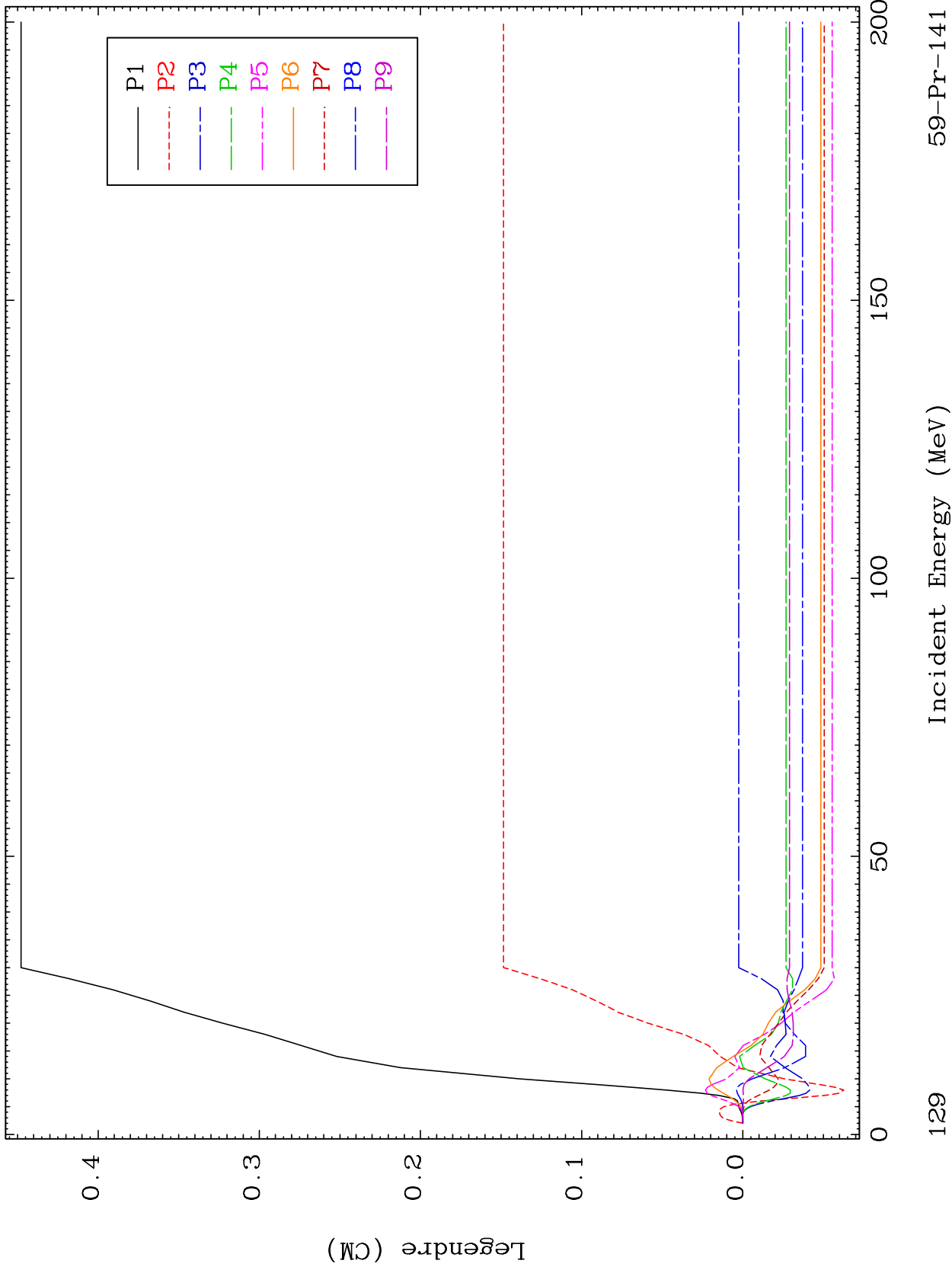
59-Pr-141



MAT 5925

2.006 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



59-Pr-141

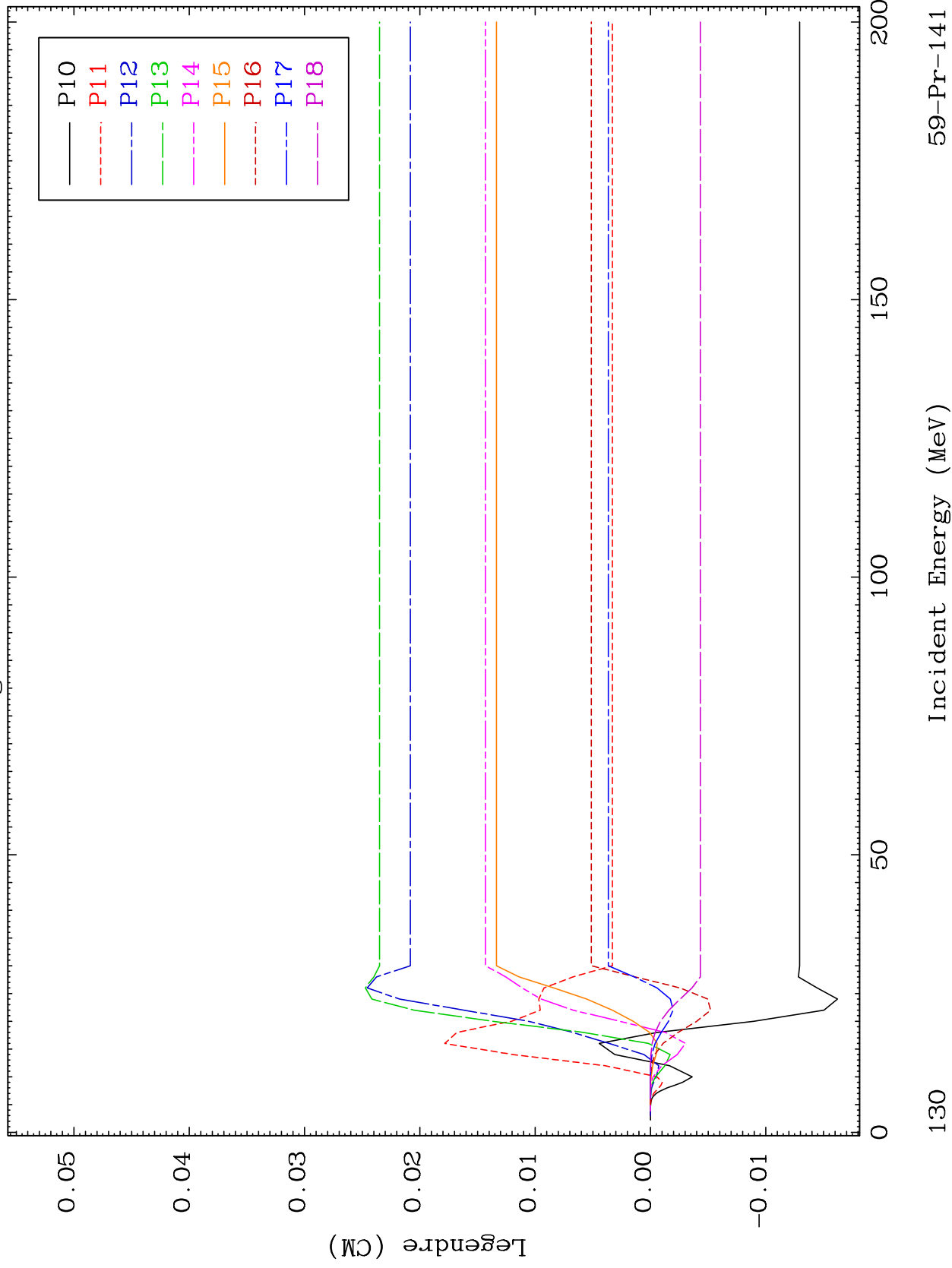
Incident Energy (MeV)

129

MAT 5925

2.006 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



59-Pr-141

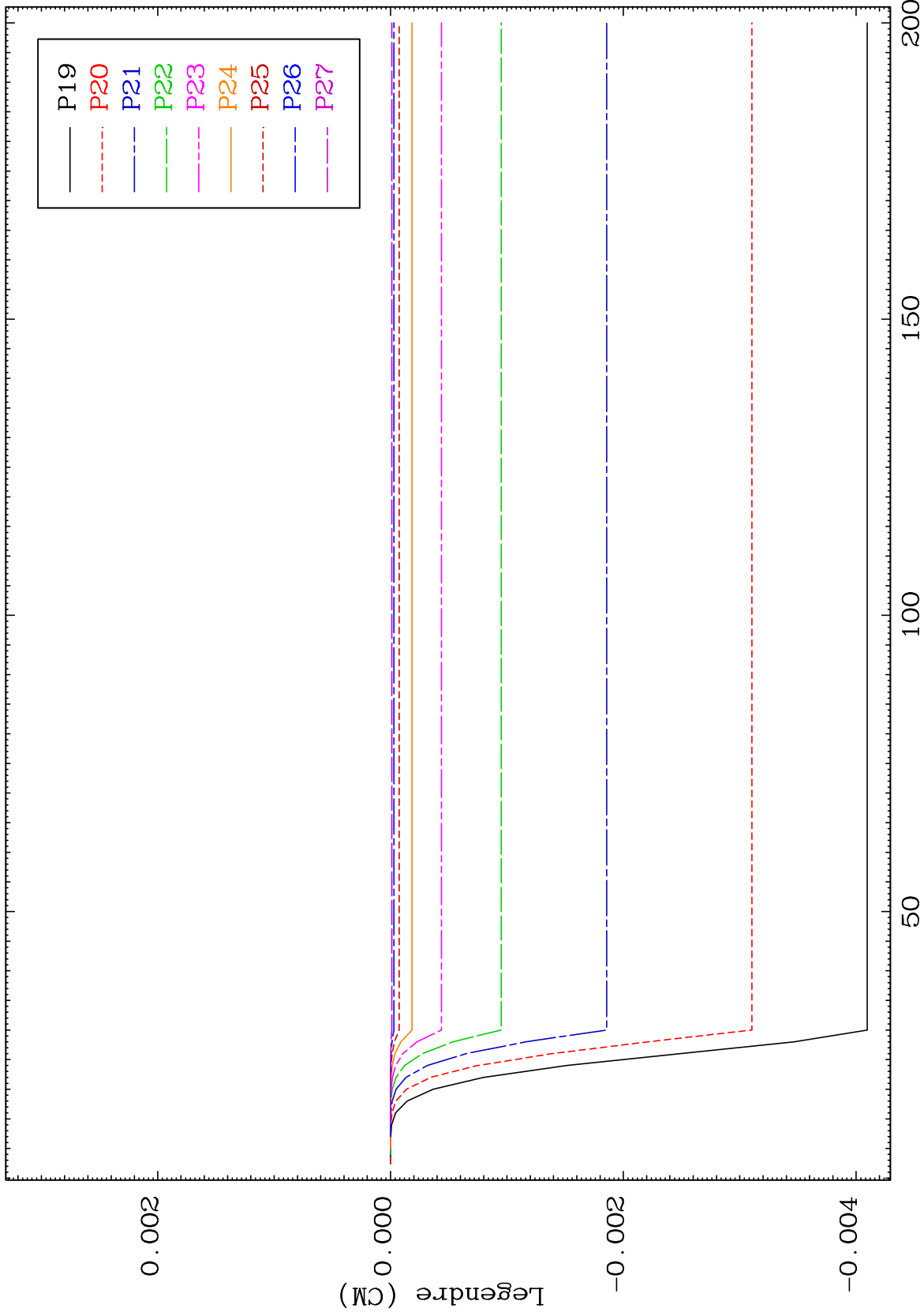
Incident Energy (MeV)

130

MAT 5925

2.006 MeV (n,n') Level  
Legendre Coefficients

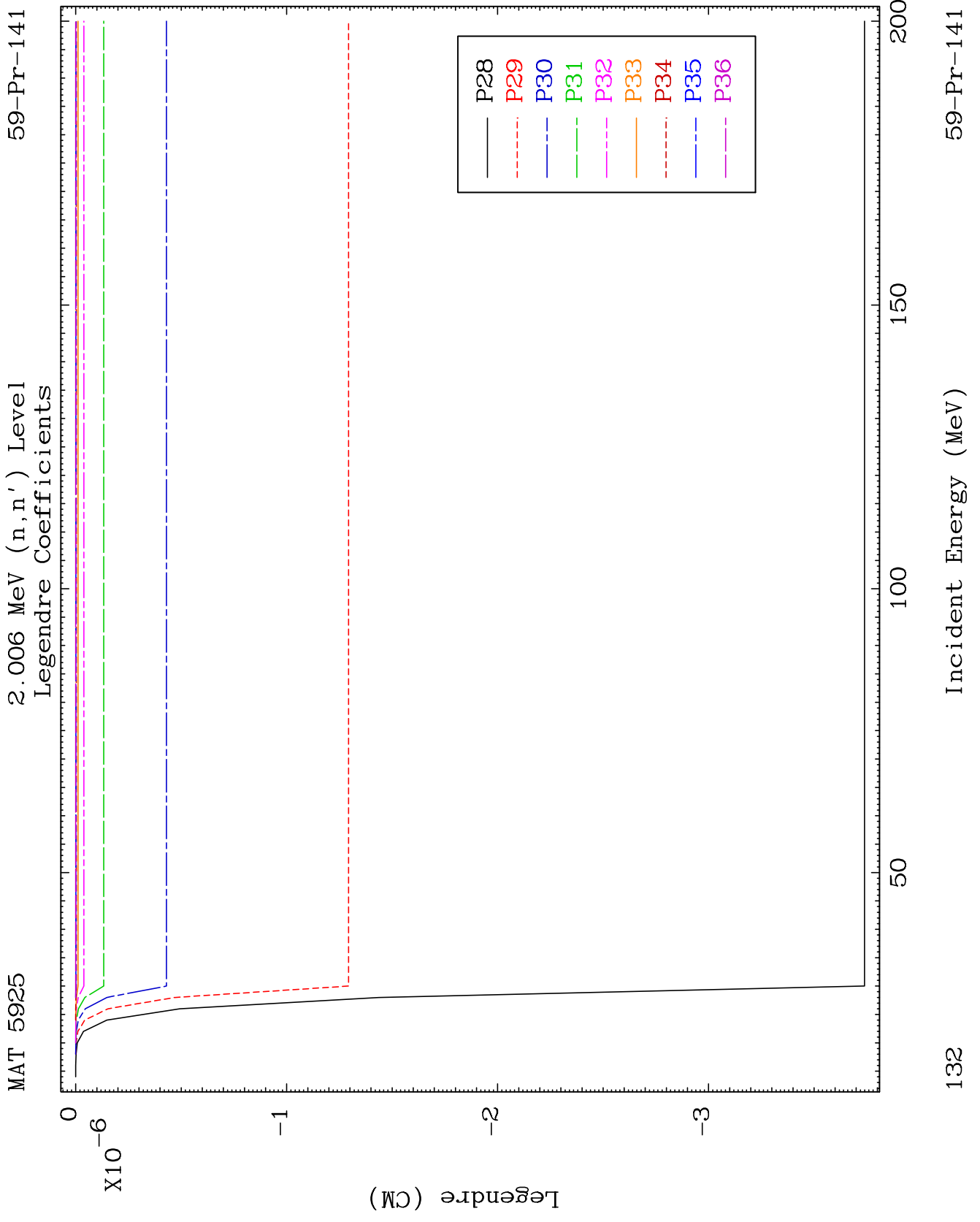
59-Pr-141



131

Incident Energy (MeV)

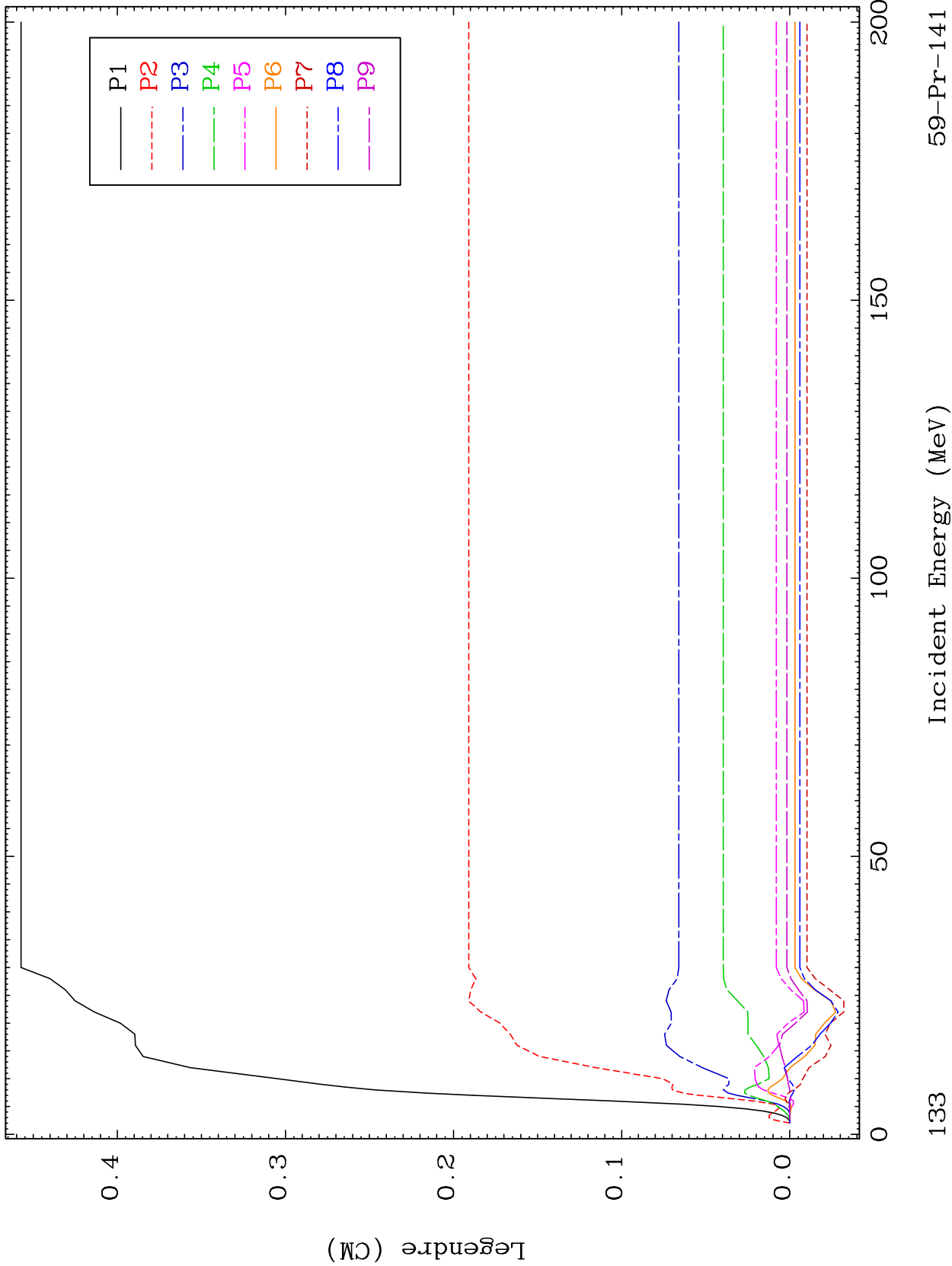
59-Pr-141



MAT 5925

2.018 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



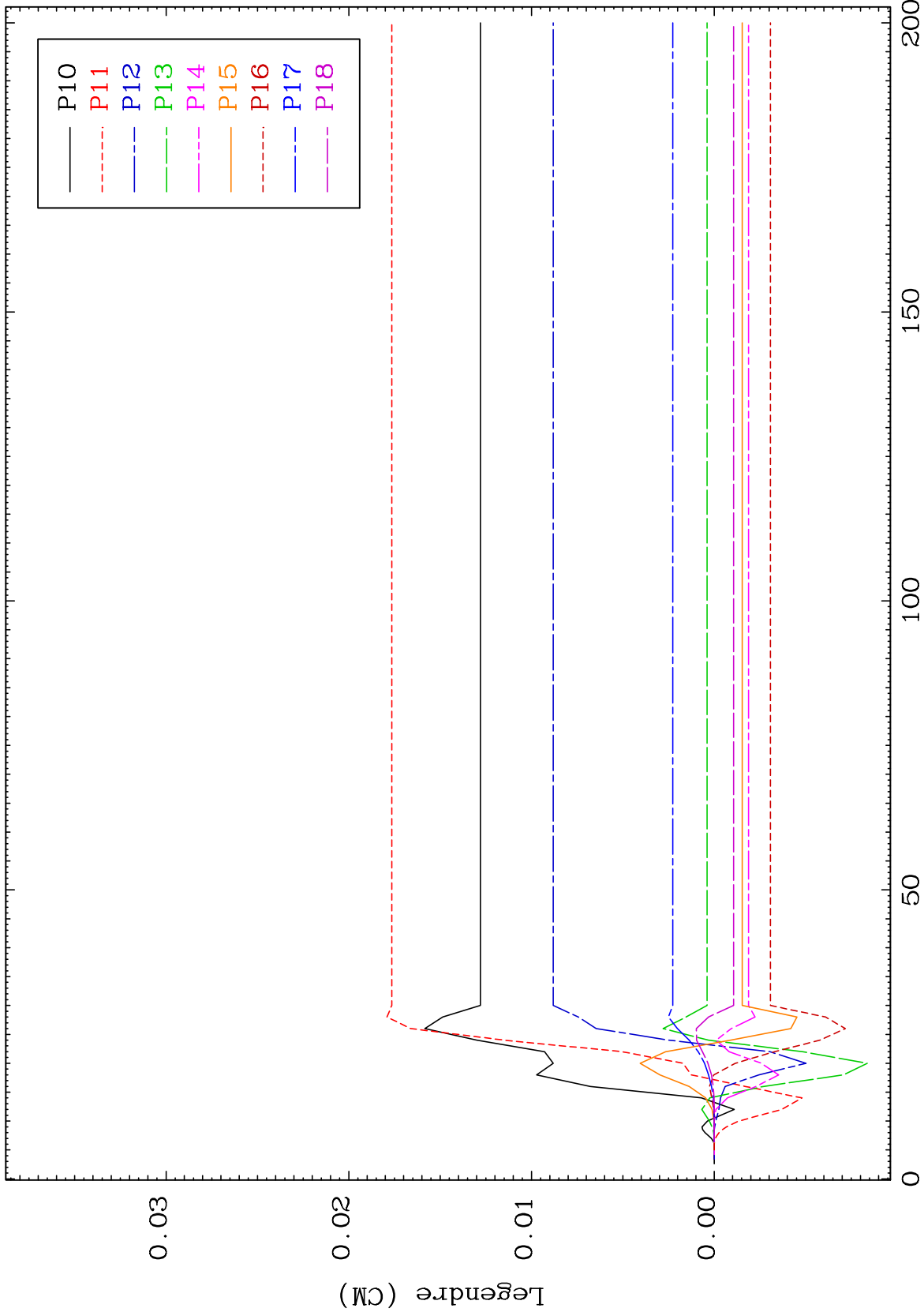
133

59-Pr-141

MAT 5925

2.018 MeV (n, n') Level  
Legendre Coefficients

59-Pr-141



134

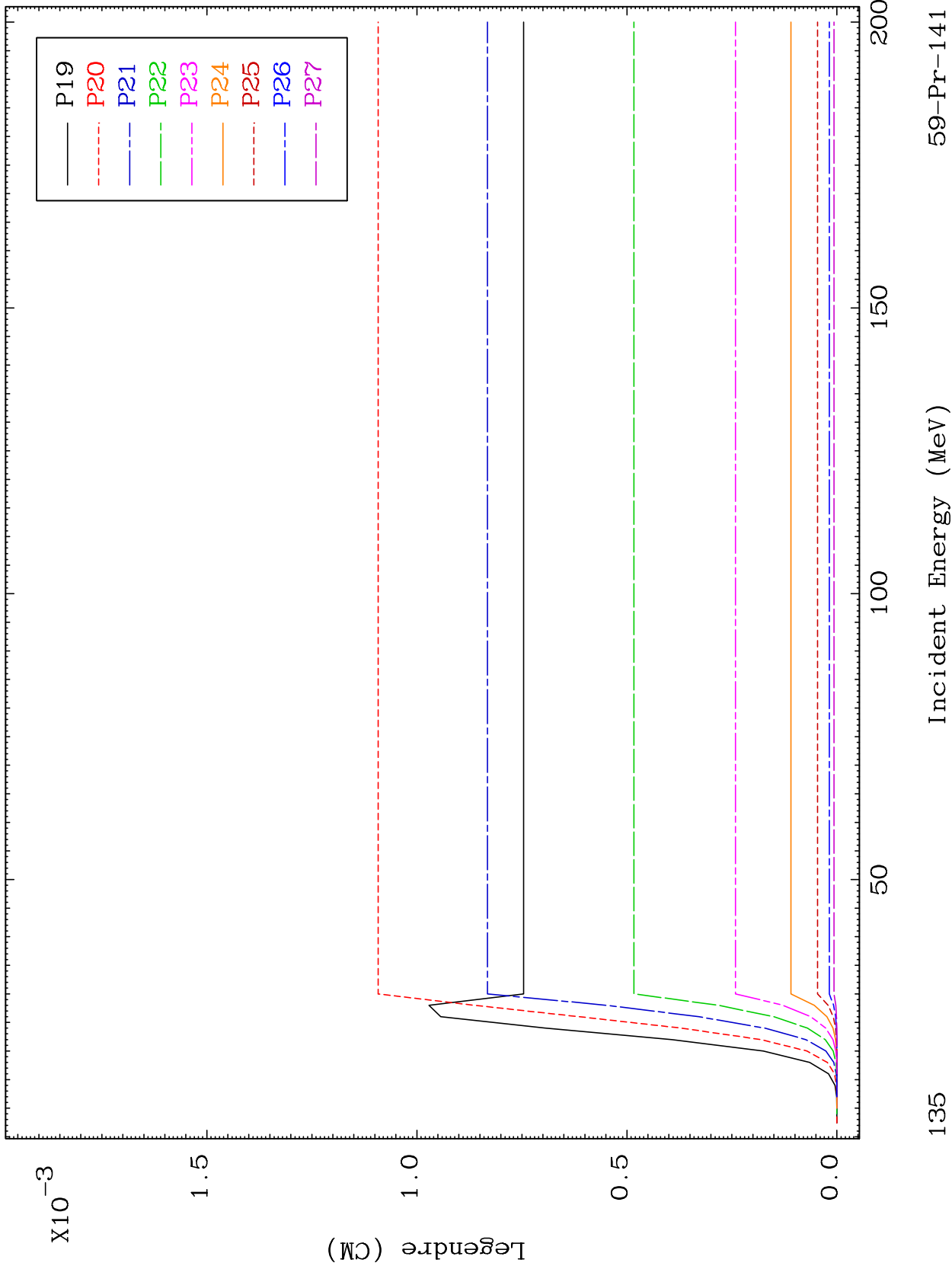
Incident Energy (MeV)

59-Pr-141

MAT 5925

2.018 MeV (n,n') Level  
Legendre Coefficients

59-Pr-141



135

Incident Energy (MeV)

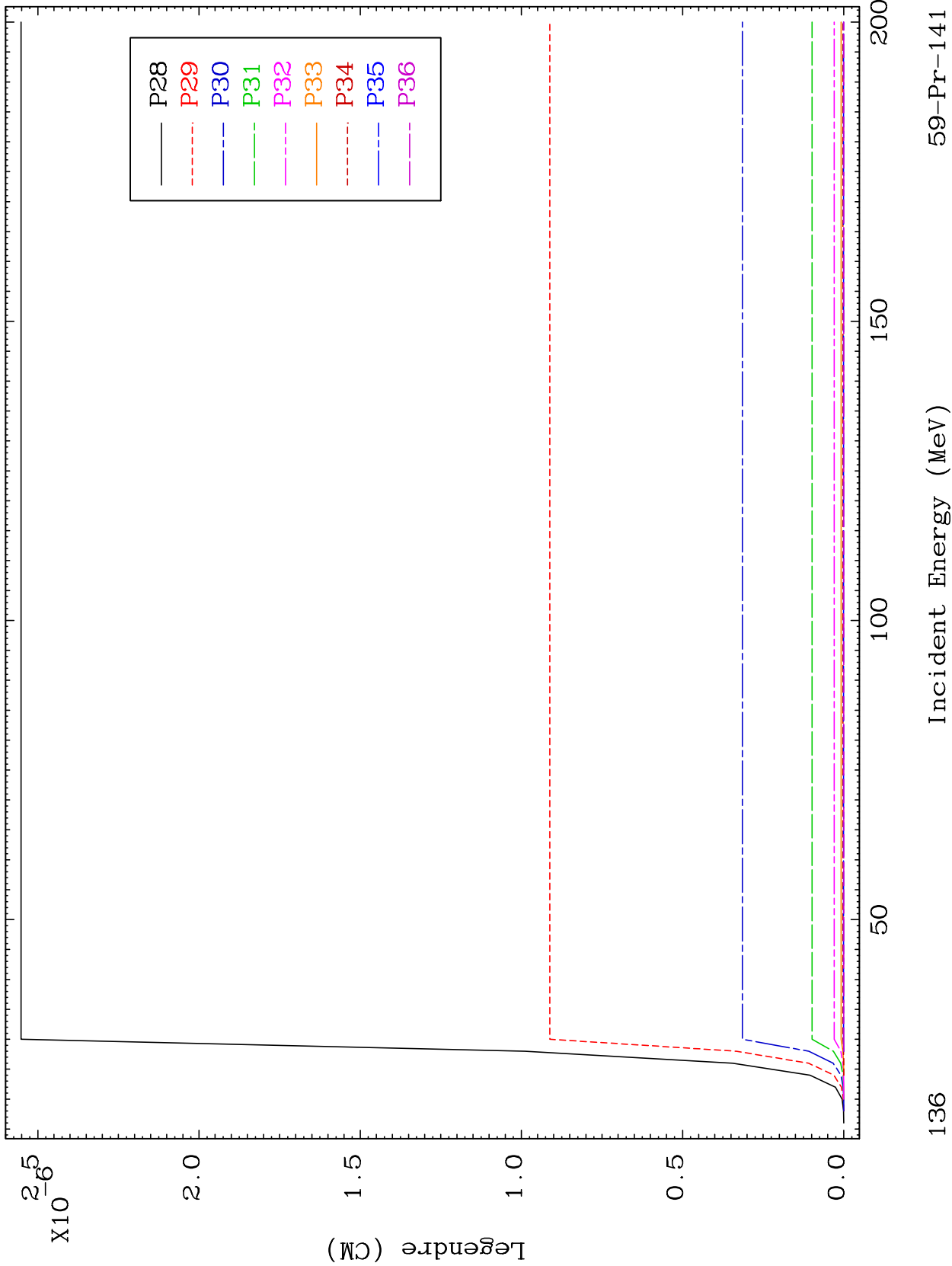
59-Pr-141



MAT 5925

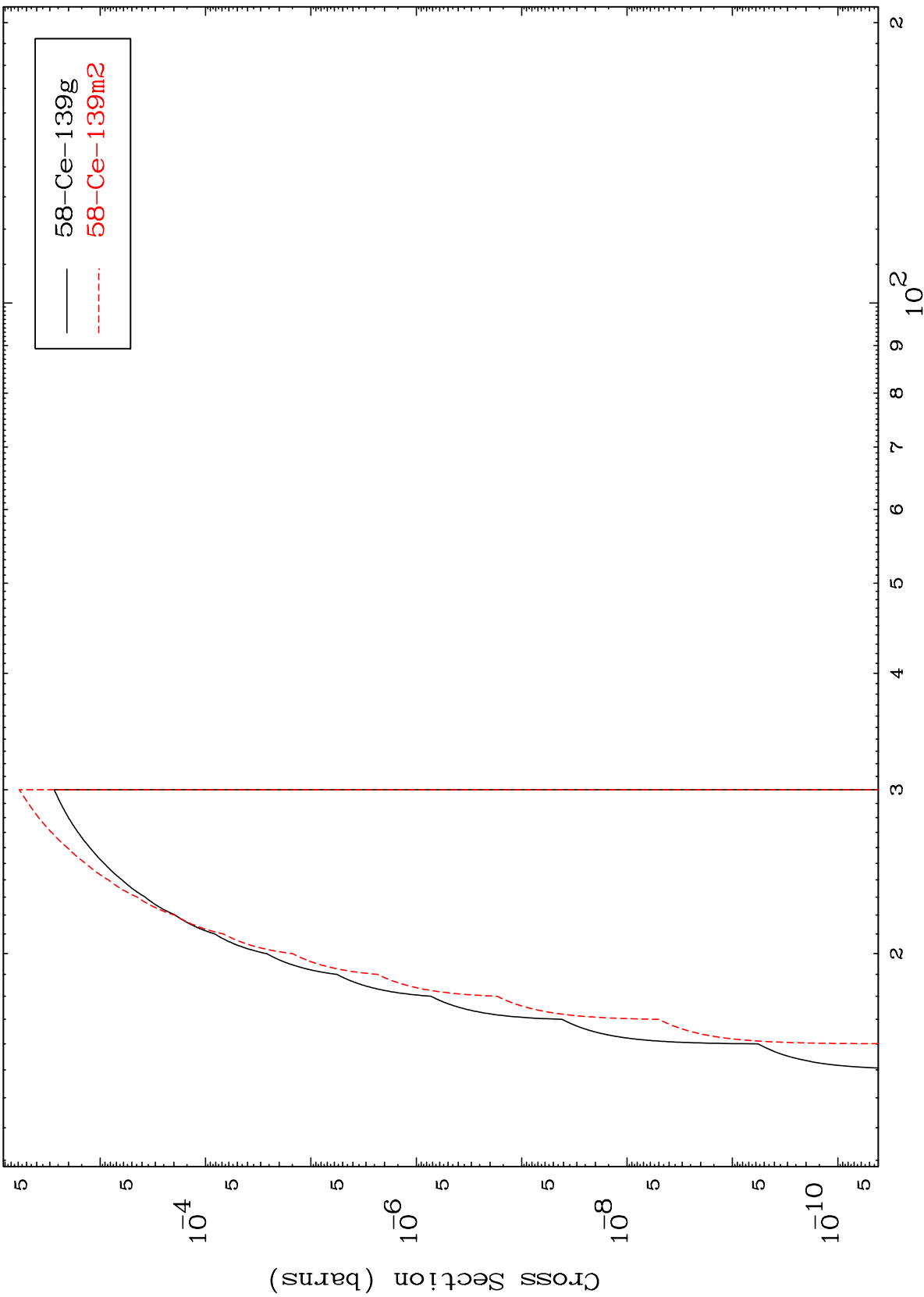
2.018 MeV (n, n') Level  
Legendre Coefficients

59-Pr-141



136

Radionuclide Production Cross Section

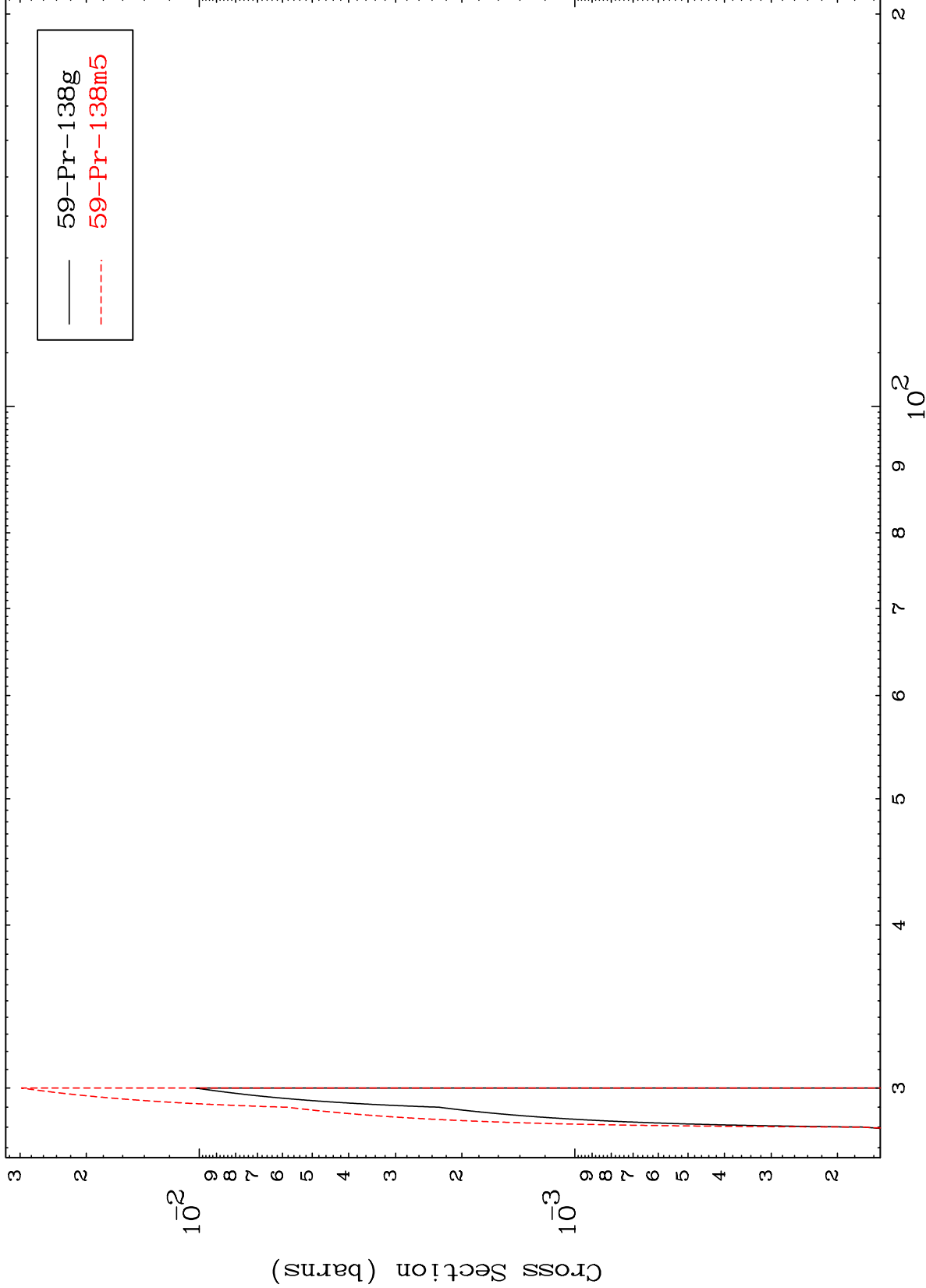


MAT 5925

(n,4n)

59-Pr-141

Radionuclide Production Cross Section



138

Incident Energy (MeV)

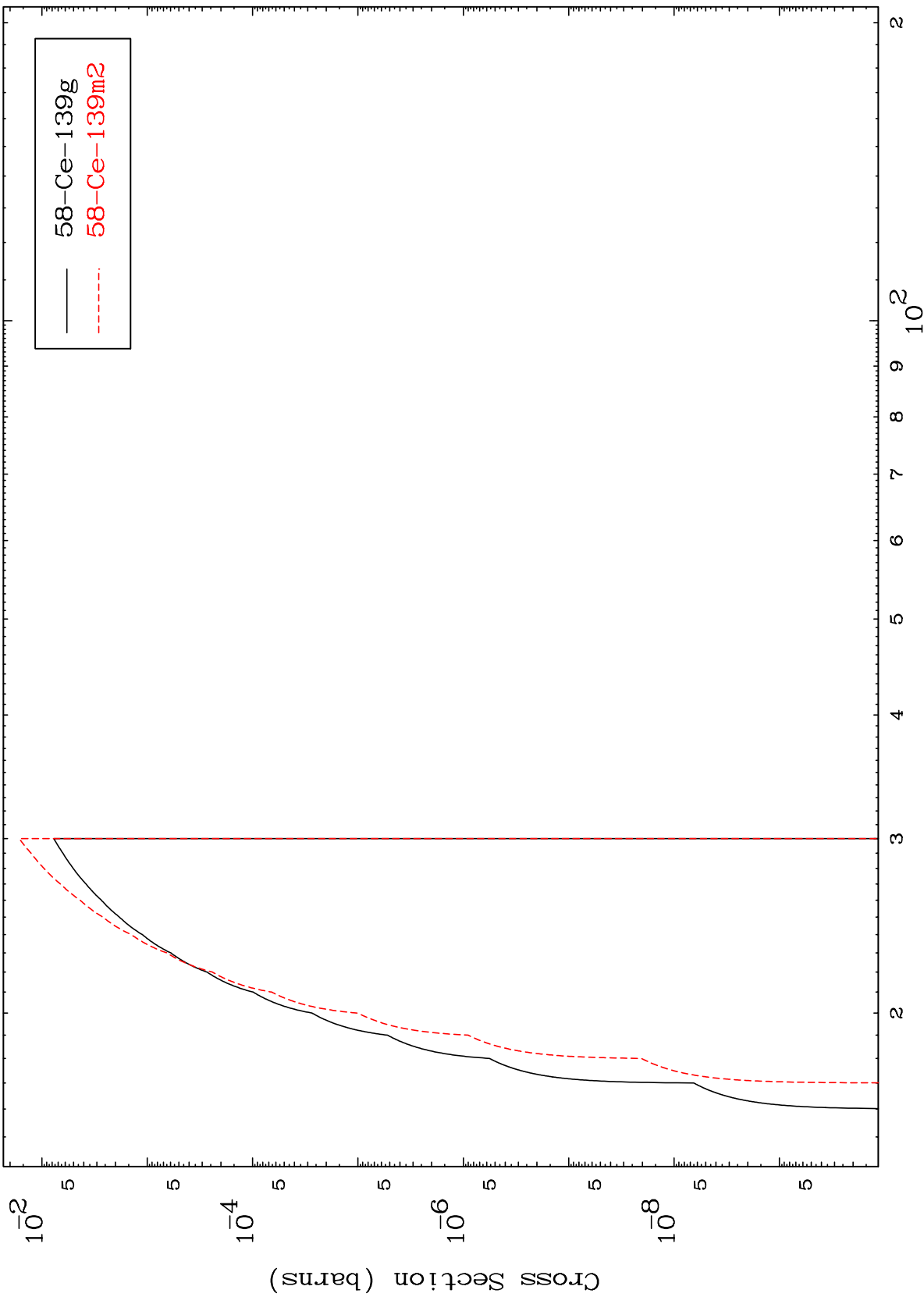
59-Pr-141

MAT 5925

(n,2n) p

59-Pr-141

Radionuclide Production Cross Section



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

139

Incident Energy (MeV)

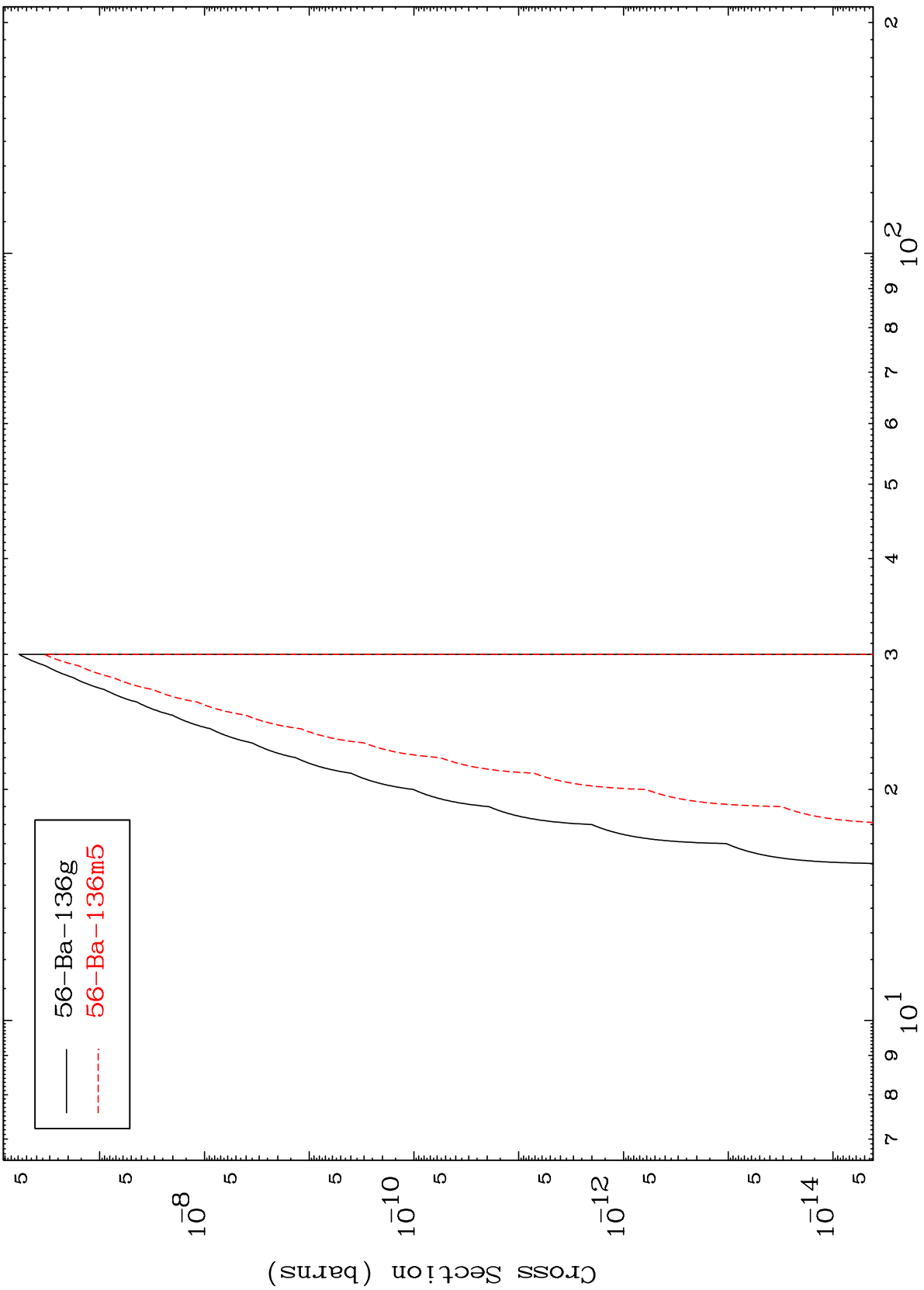
59-Pr-141

MAT 5925

(n,n') p  $\alpha$

59-Pr-141

Radionuclide Production Cross Section



56-Ba-136g  
56-Ba-136m5

140

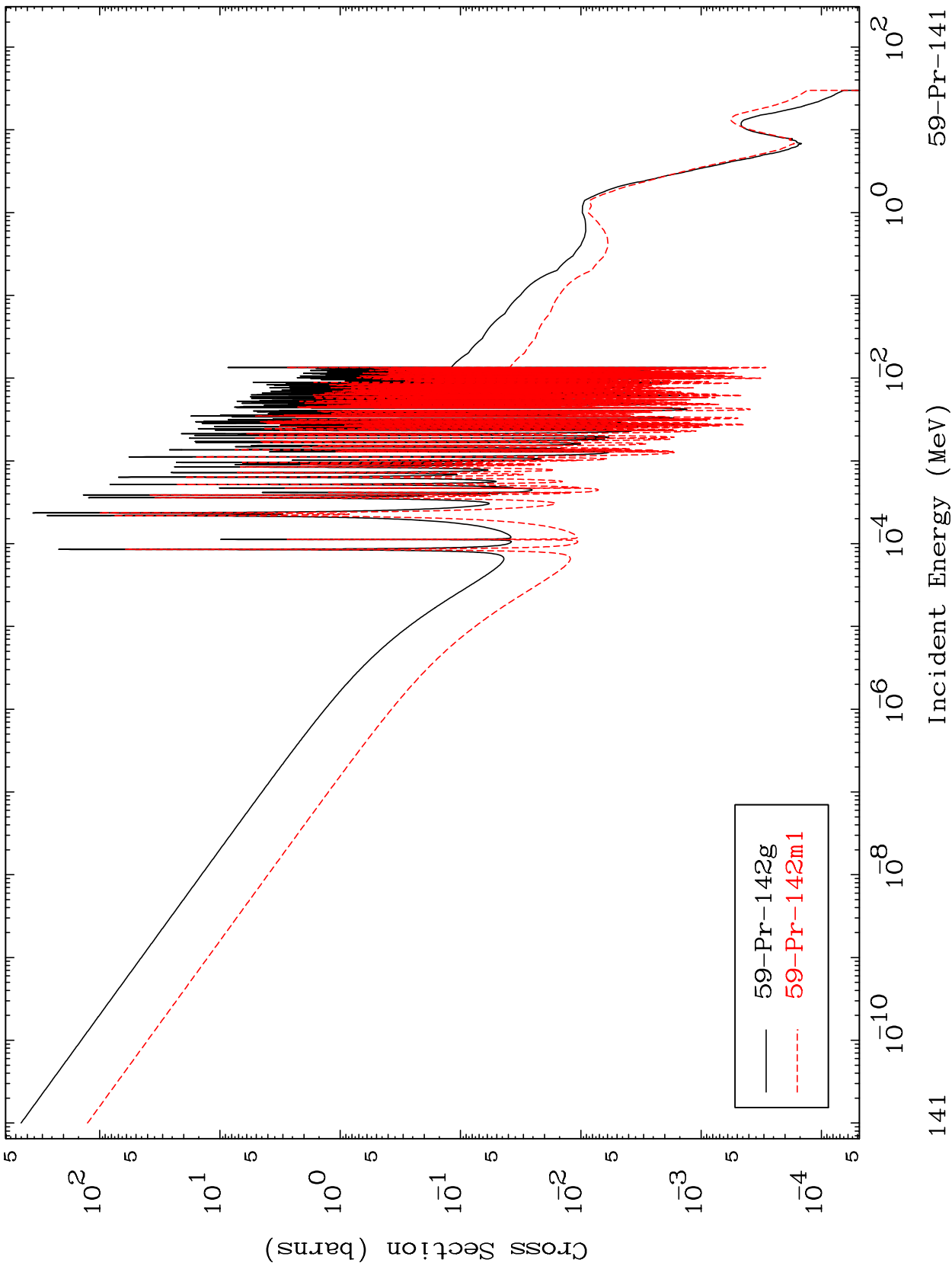
Incident Energy (MeV)

59-Pr-141

MAT 5925

59-Pr-141

$(n, \gamma)$   
Radionuclide Production Cross Section



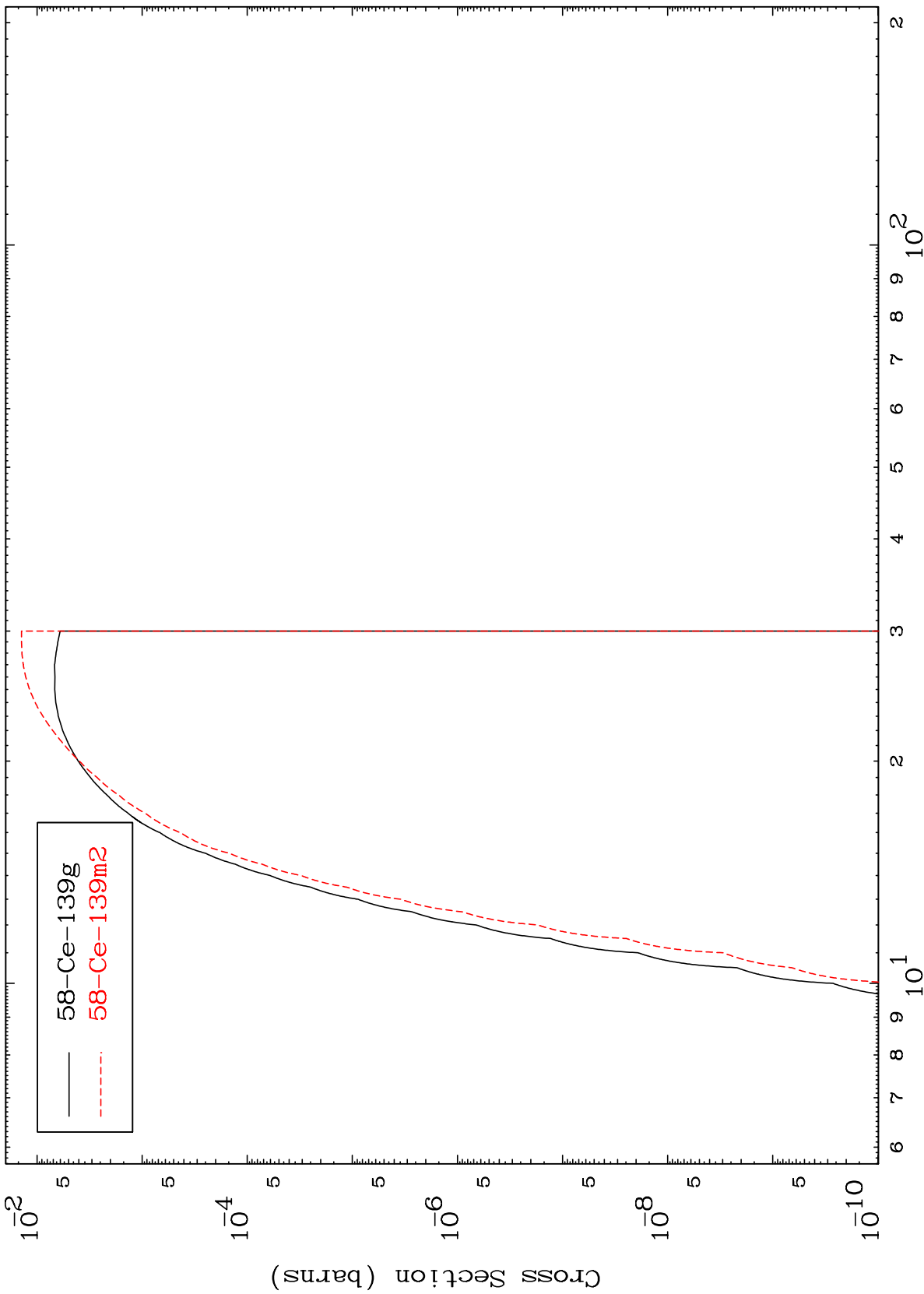
141

59-Pr-141

MAT 5925

59-Pr-141

(n, t)  
Radionuclide Production Cross Section



142

Incident Energy (MeV)

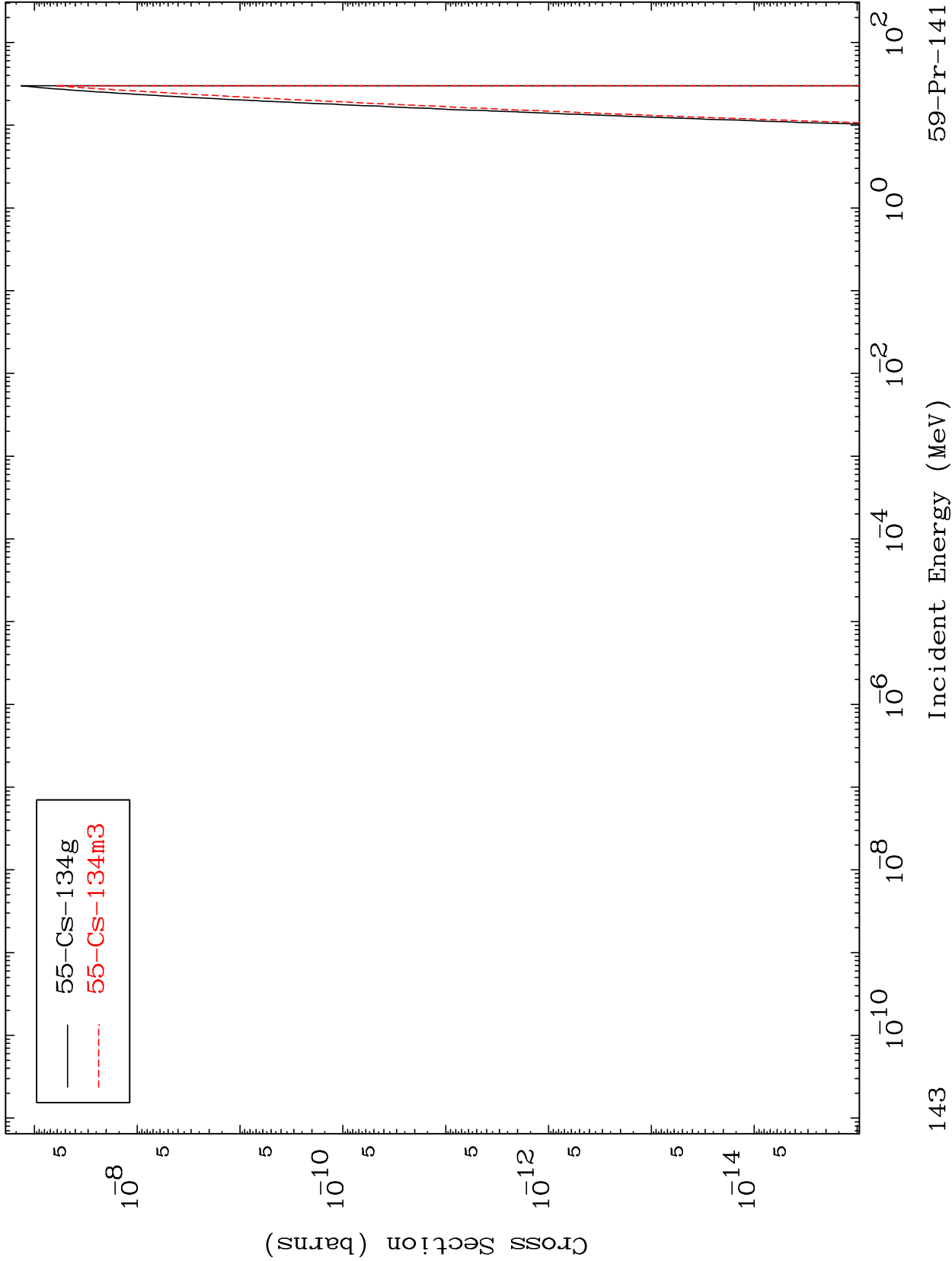
59-Pr-141

MAT 5925

(n,2α)

59-Pr-141

Radionuclide Production Cross Section



143

Incident Energy (MeV)

59-Pr-141

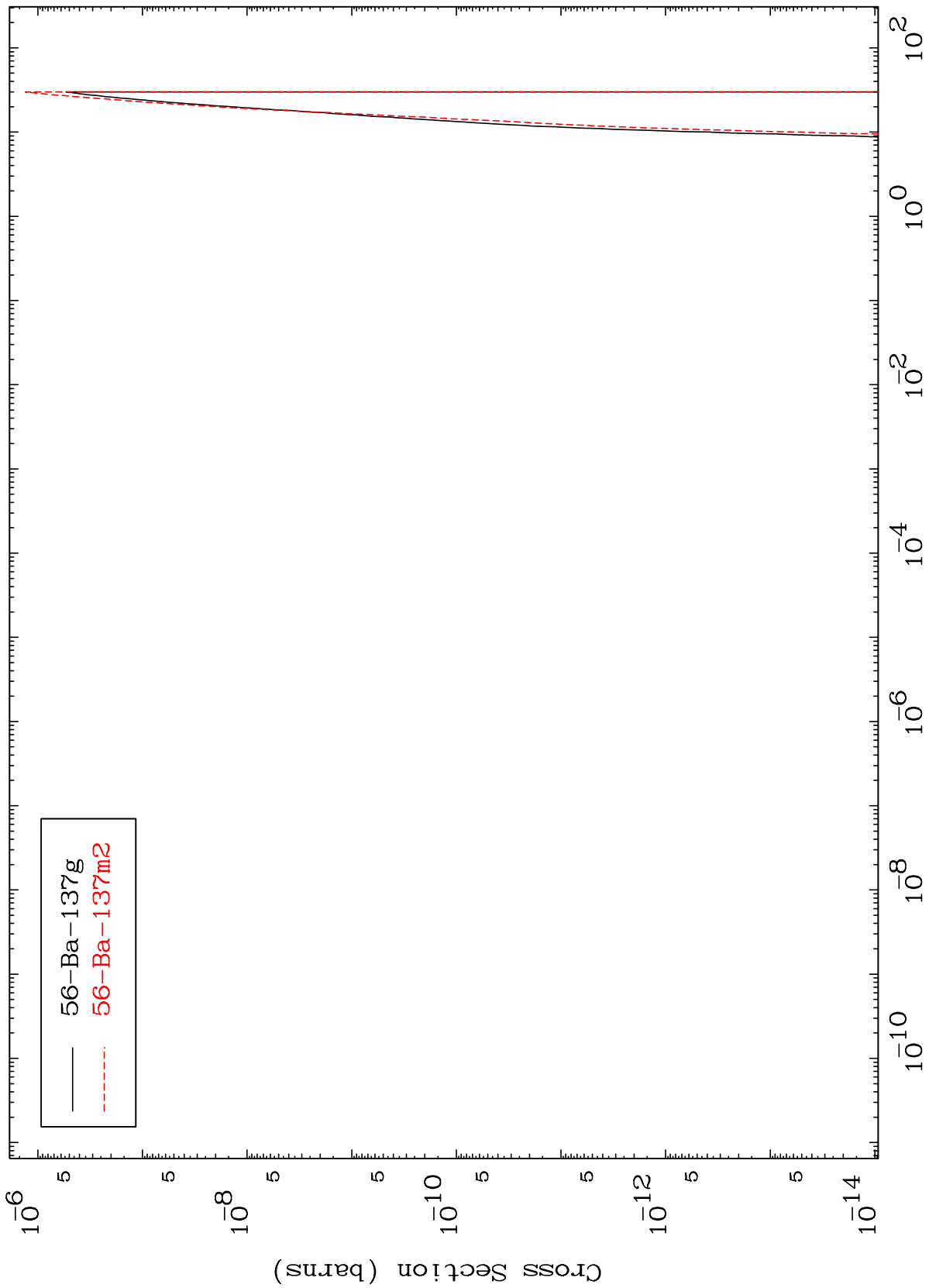


MAT 5925

(n,p)  $\alpha$

59-Pr-141

Radionuclide Production Cross Section



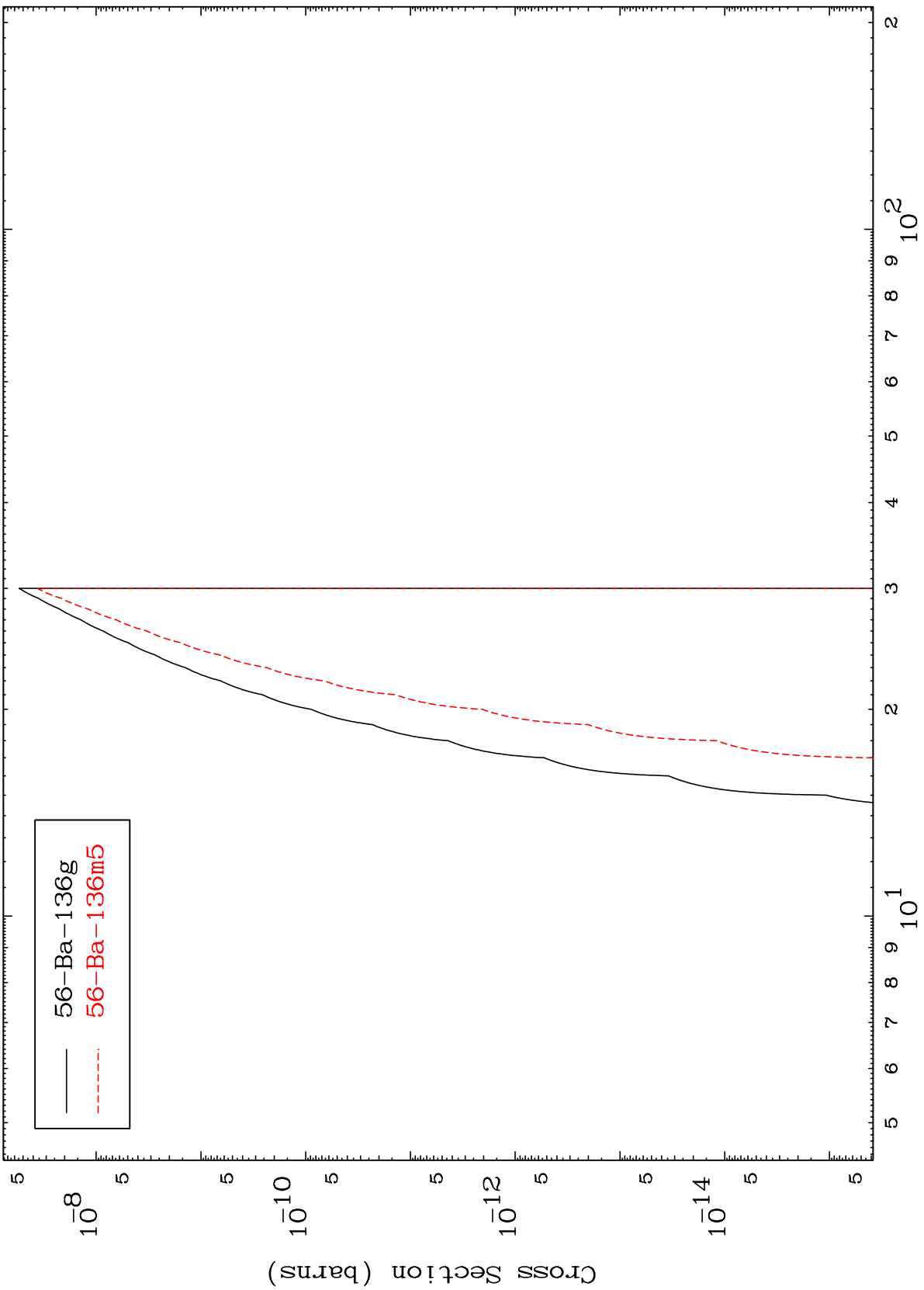
56-Ba-137g  
56-Ba-137m2

MAT 5925

(n,d)  $\alpha$

59-Pr-141

Radionuclide Production Cross Section



145

Incident Energy (MeV)

59-Pr-141