

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

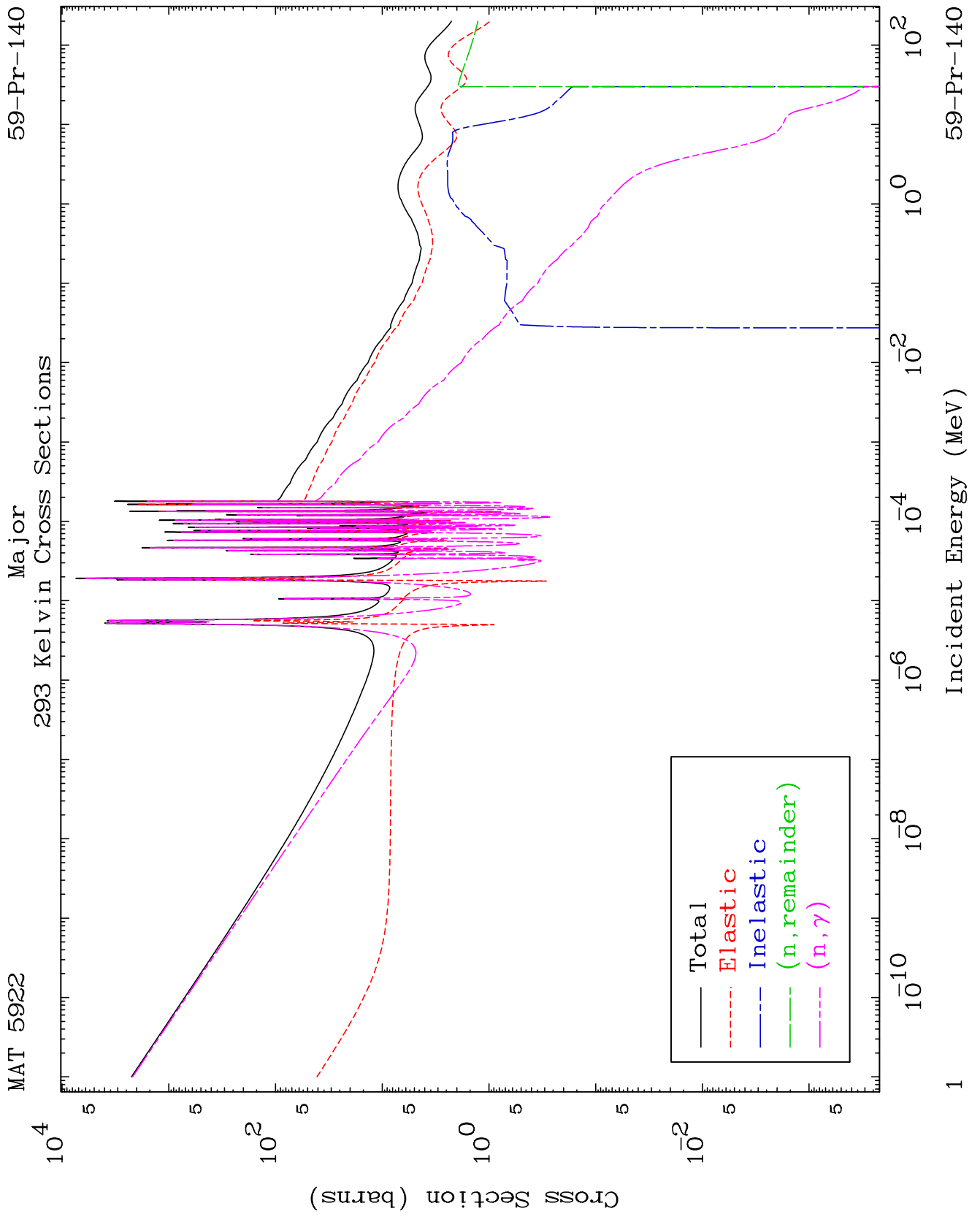
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

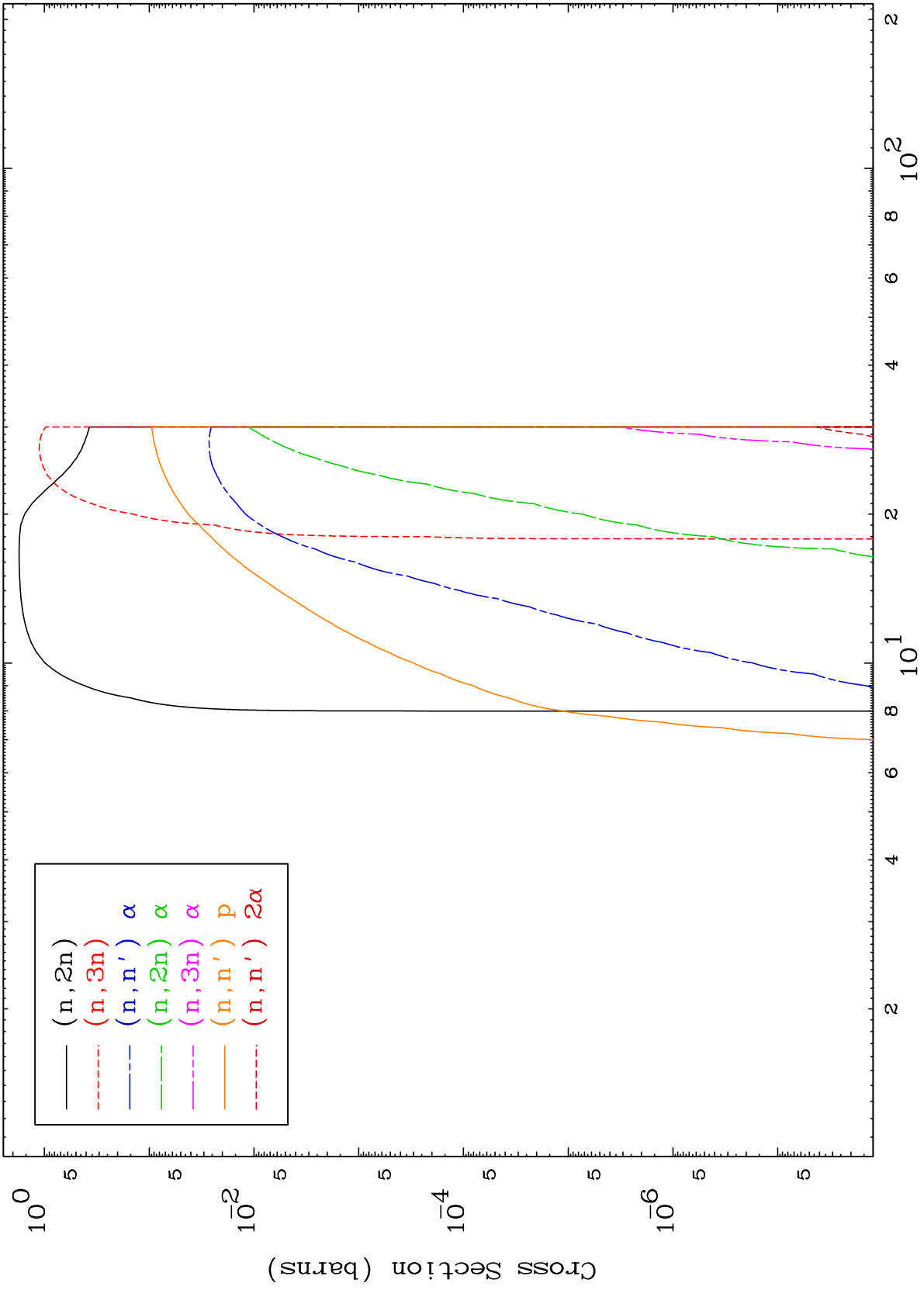
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

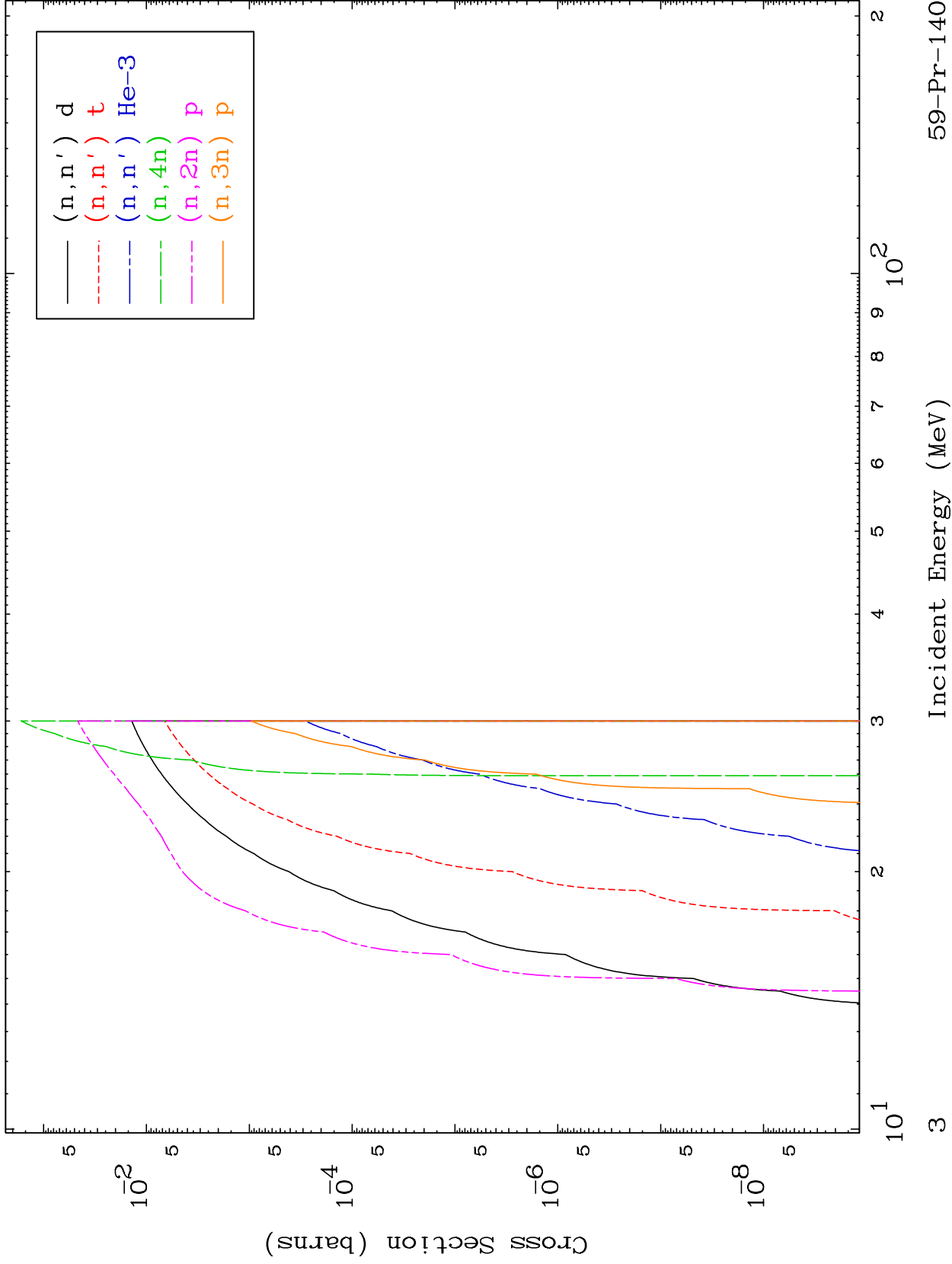




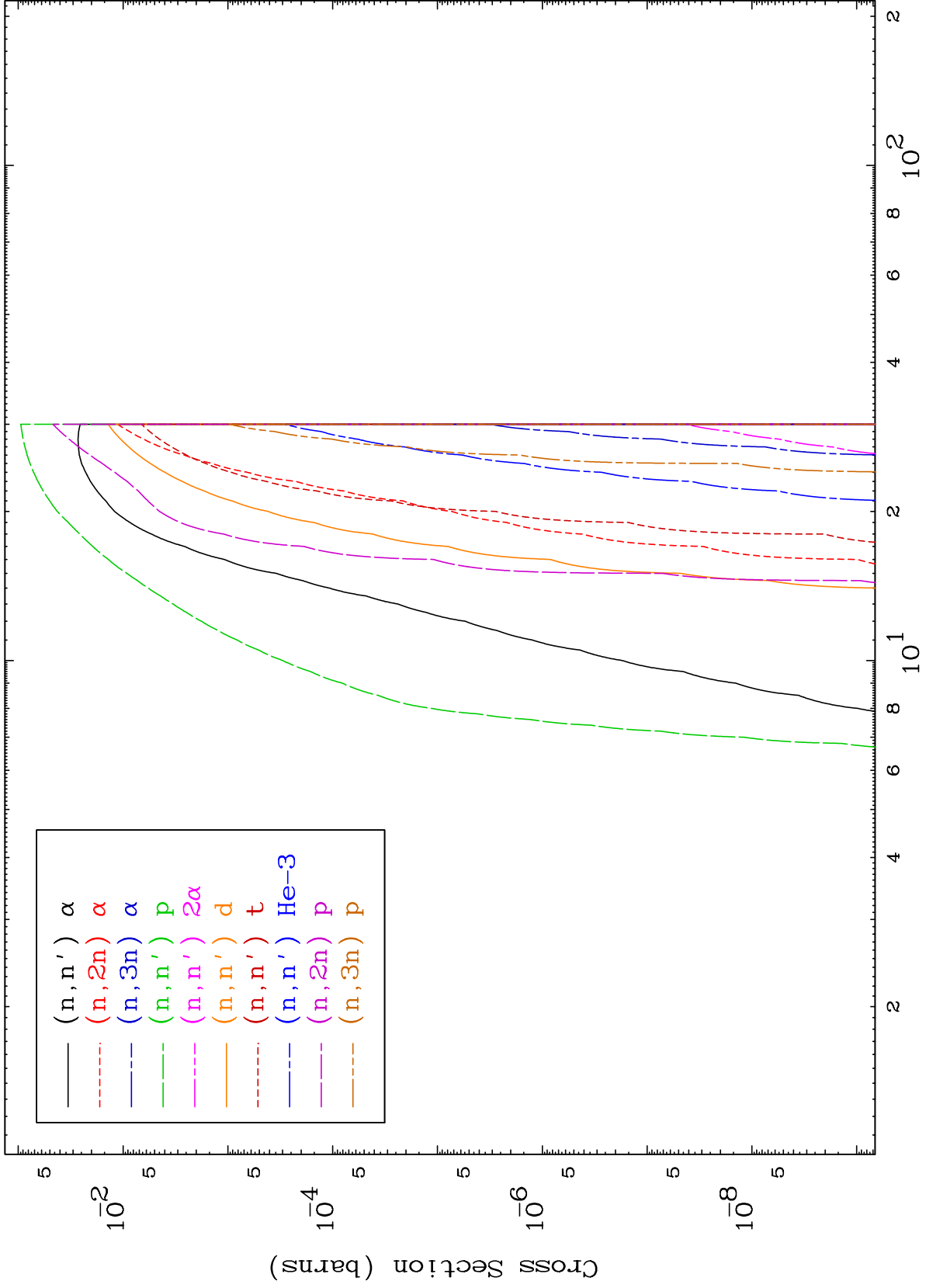
MAT 5922

Neutron Production
293 Kelvin Cross Sections

59-Pr-140



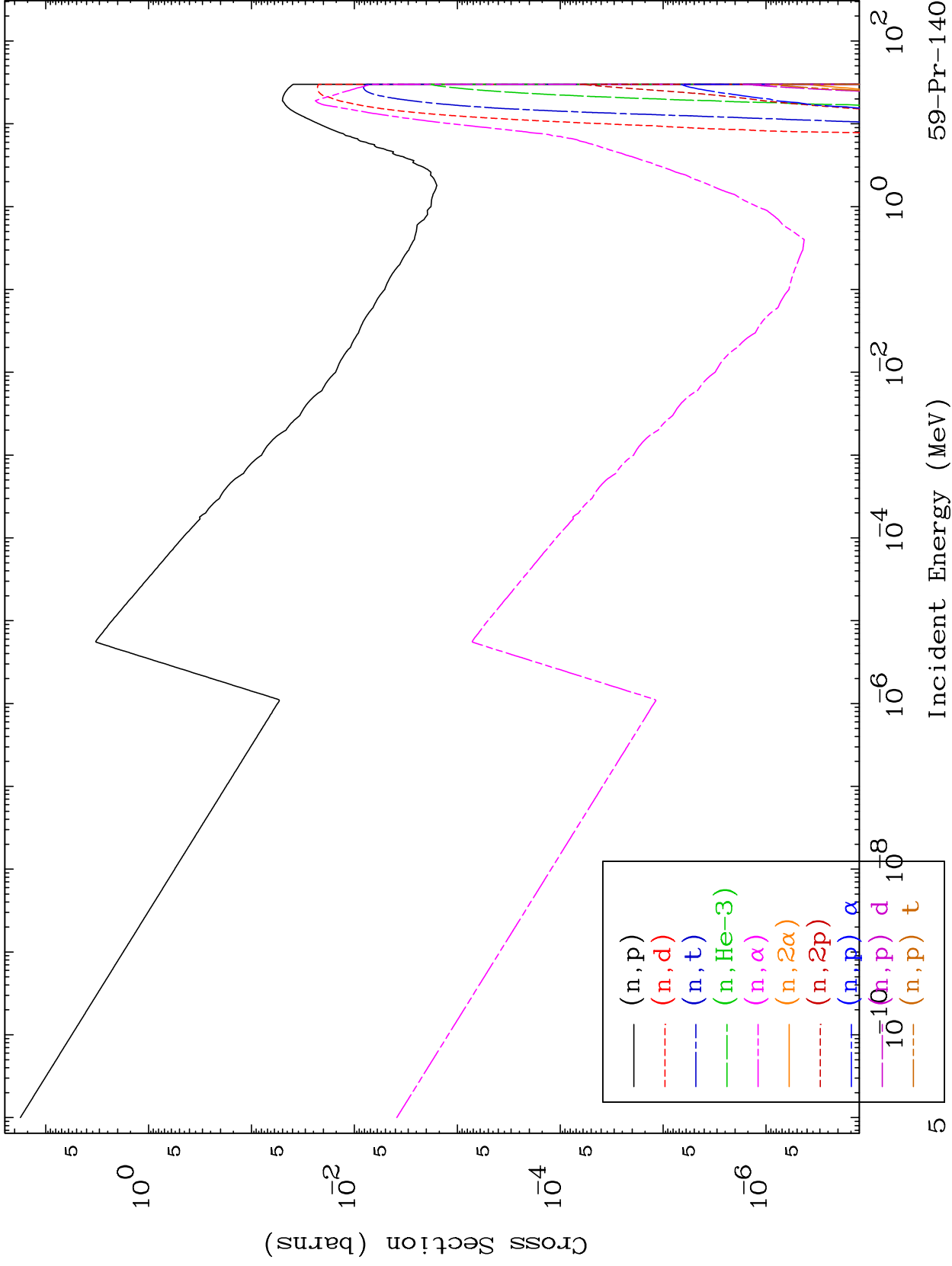
59-Pr-140



MAT 5922

Charged Particle
293 Kelvin Cross Sections

59-Pr-140

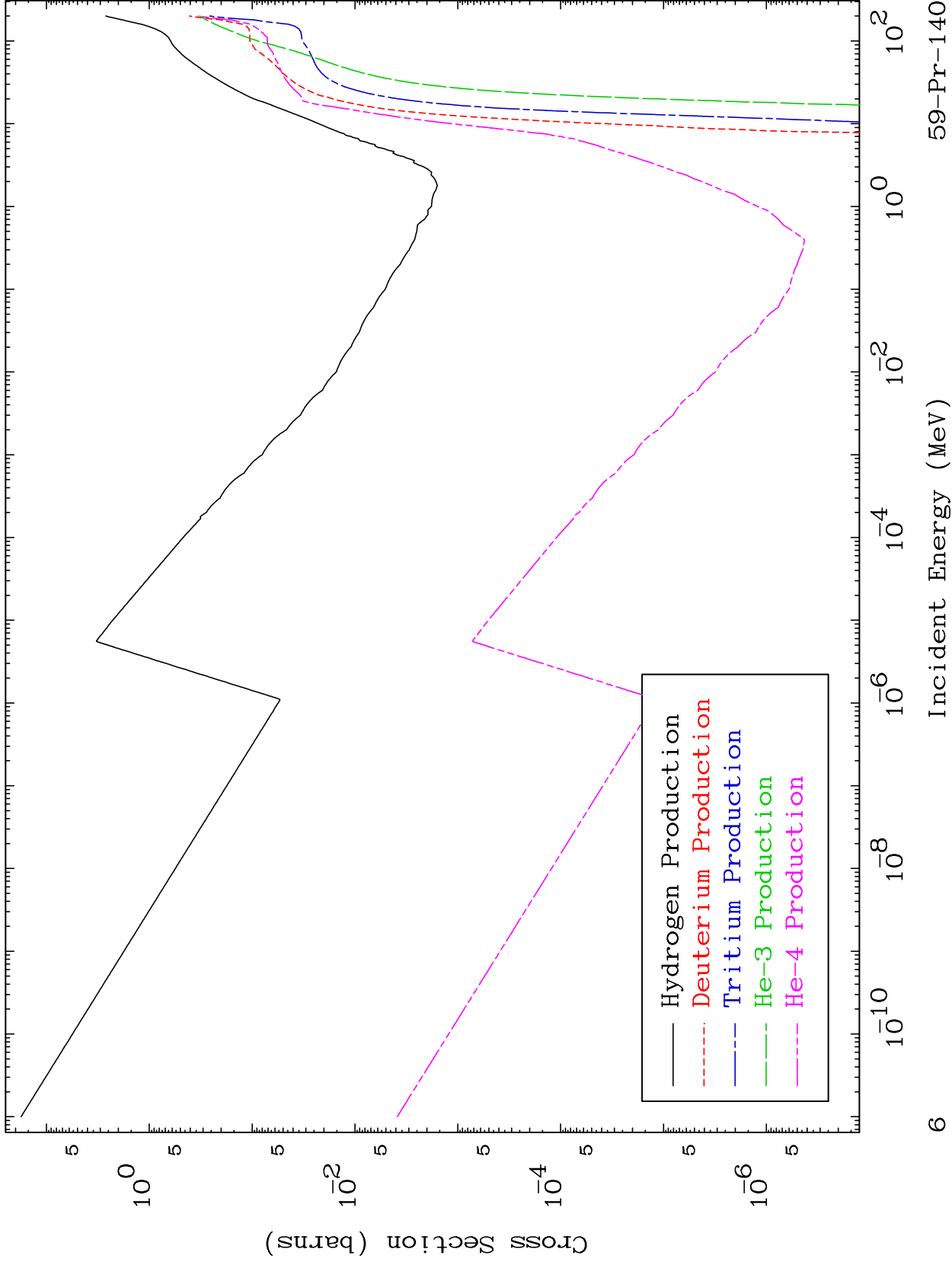


59-Pr-140

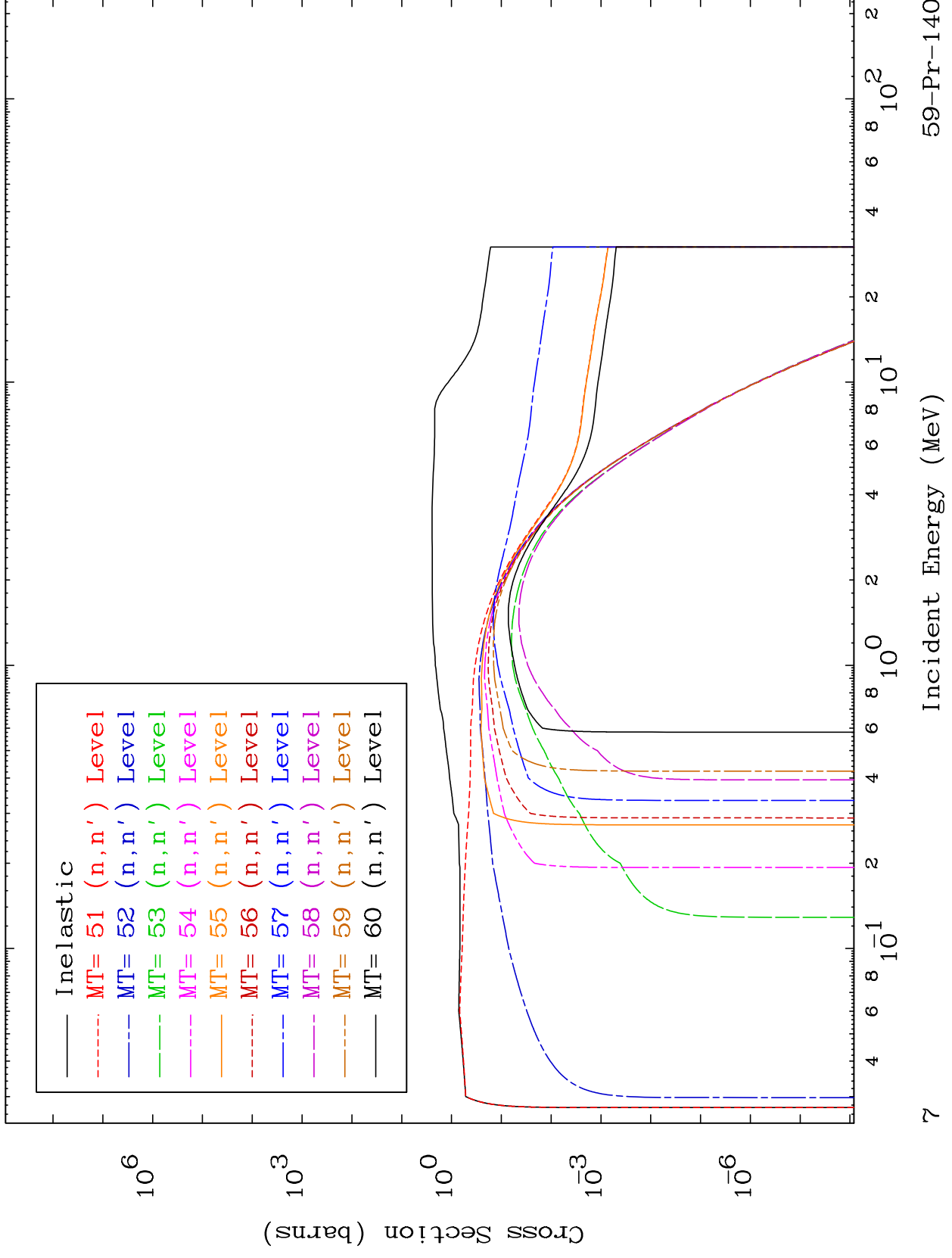
MAT 5922

Particle Production
293 Kelvin Cross Sections

59-Pr-140



293 Kelvin Cross Sections

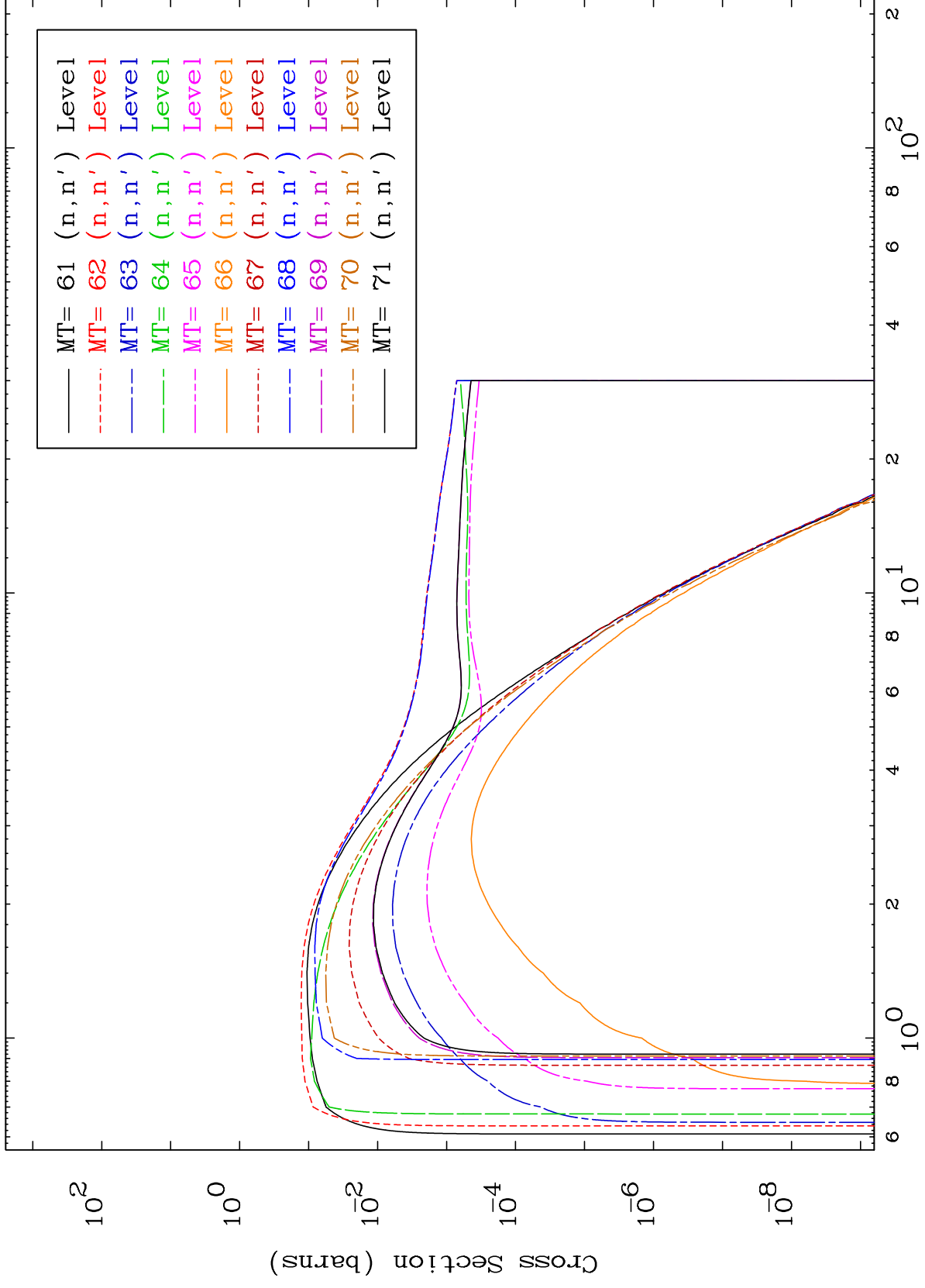


MAT 5922

(n,n') Level

59-Pr-140

293 Kelvin Cross Sections

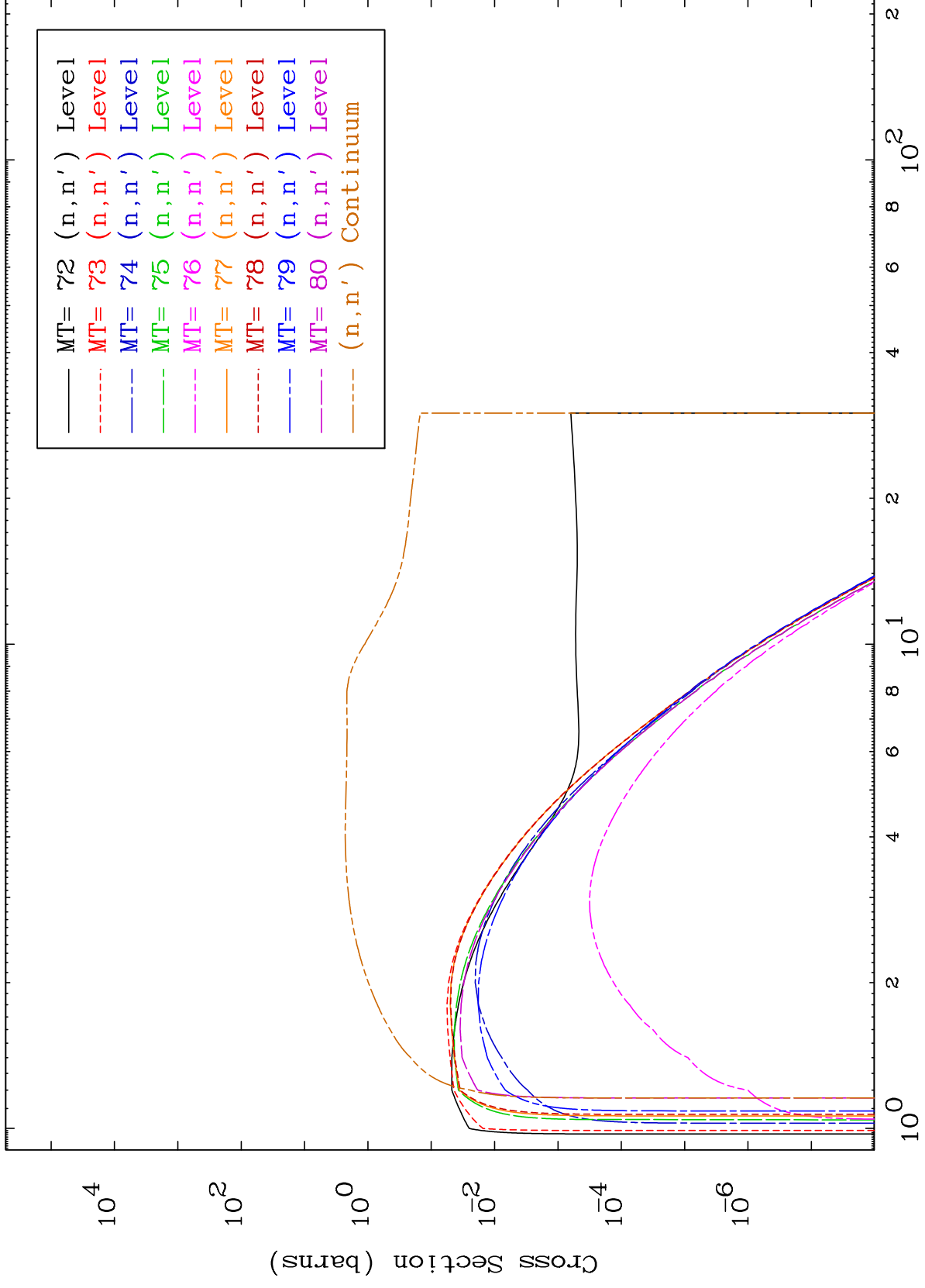


8

Incident Energy (MeV)

59-Pr-140

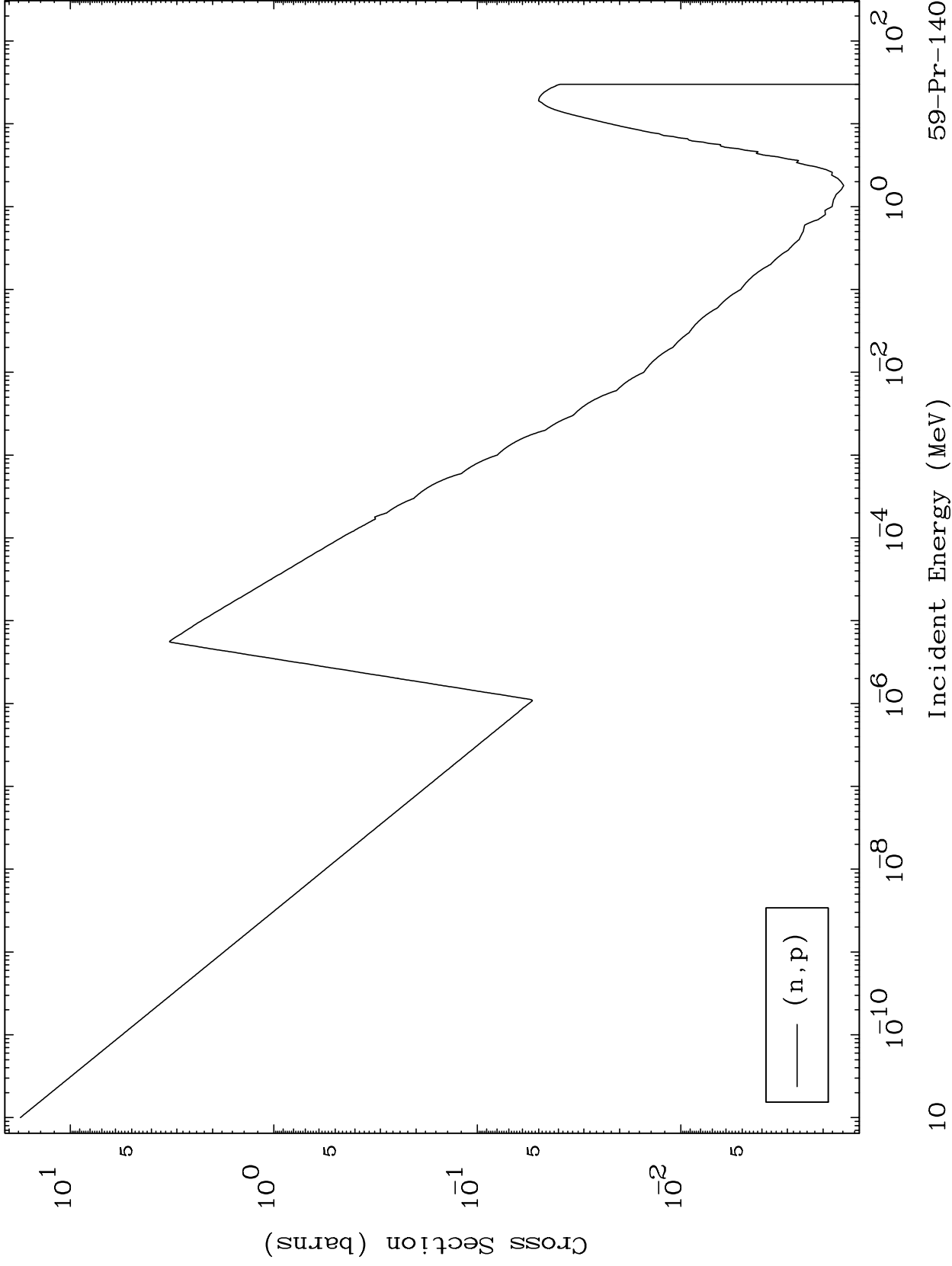
293 Kelvin Cross Sections

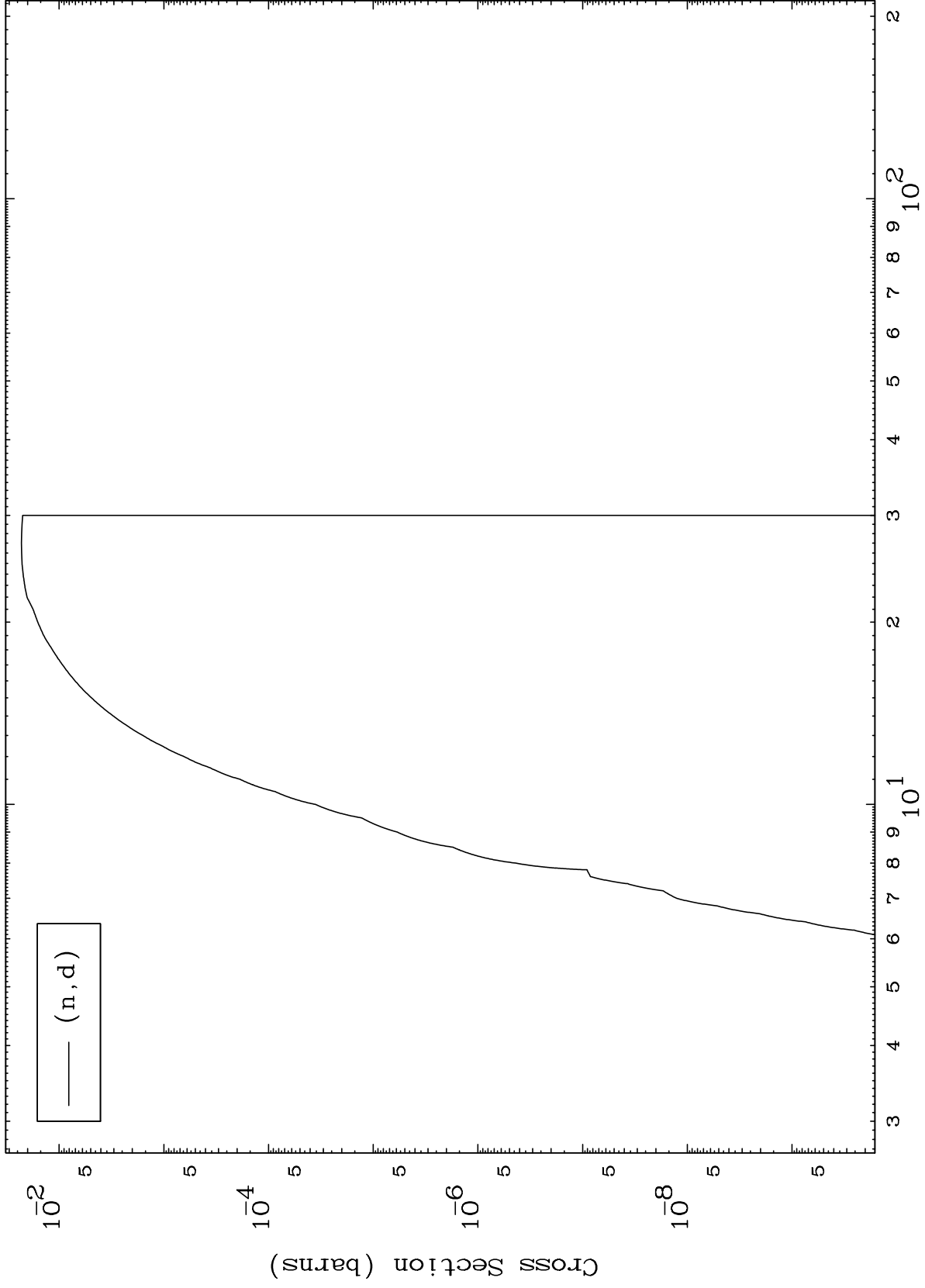


MAT 59222

(n,p) Levels
293 Kelvin Cross Sections

59-Pr-140

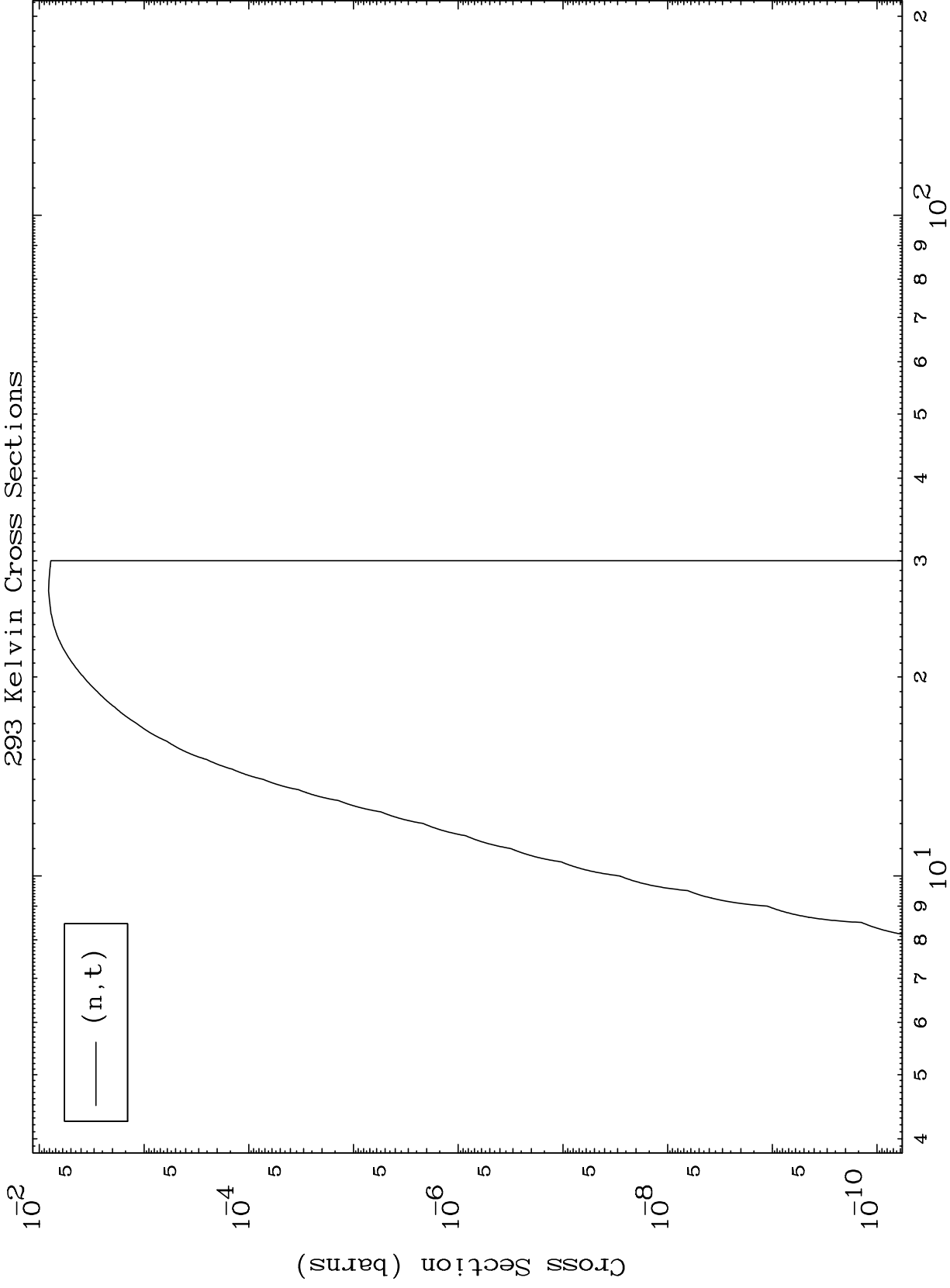




MAT 5922

(n,t) Levels
293 Kelvin Cross Sections

59-Pr-140

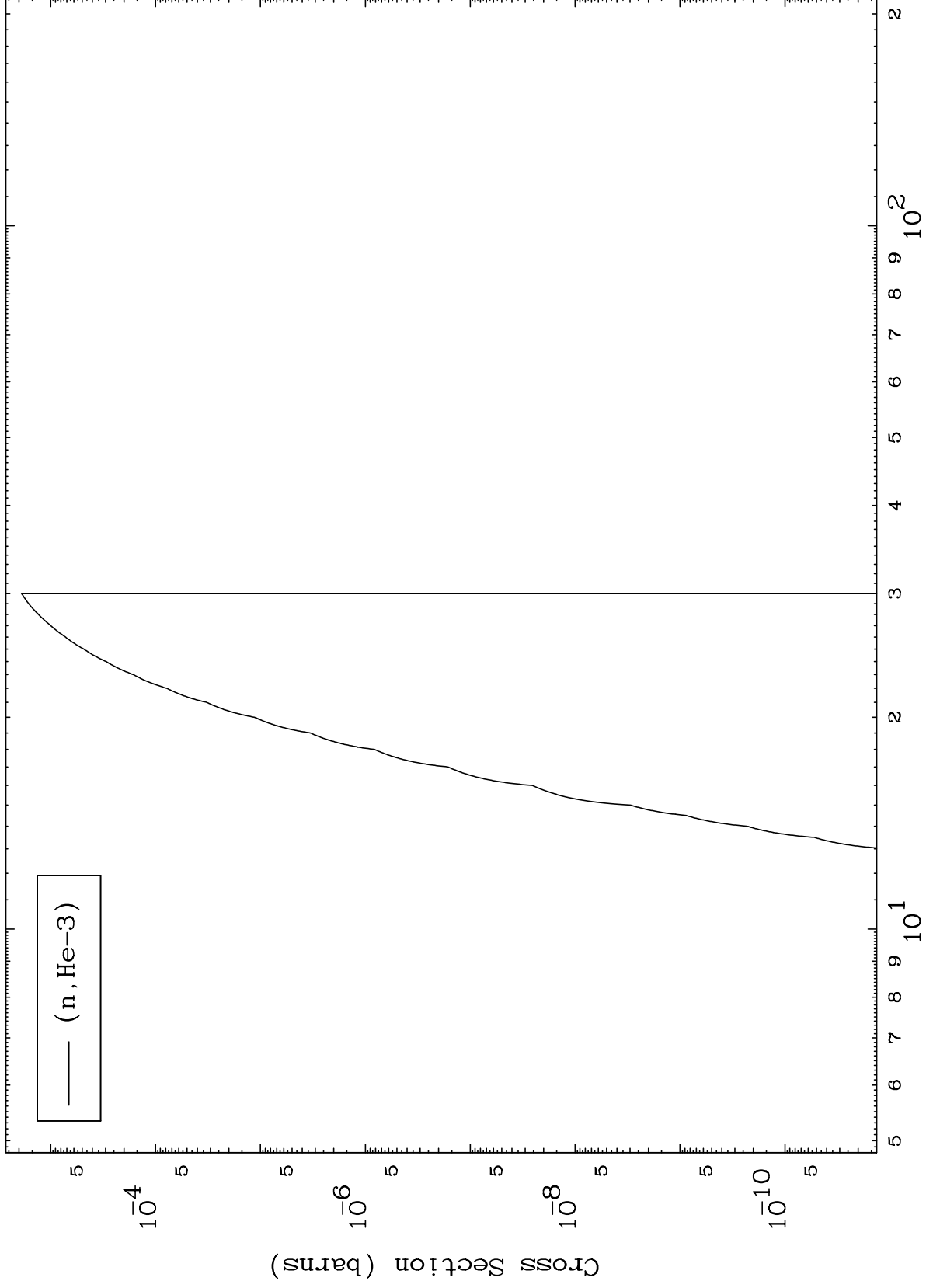


(n,t)

Incident Energy (MeV)

59-Pr-140

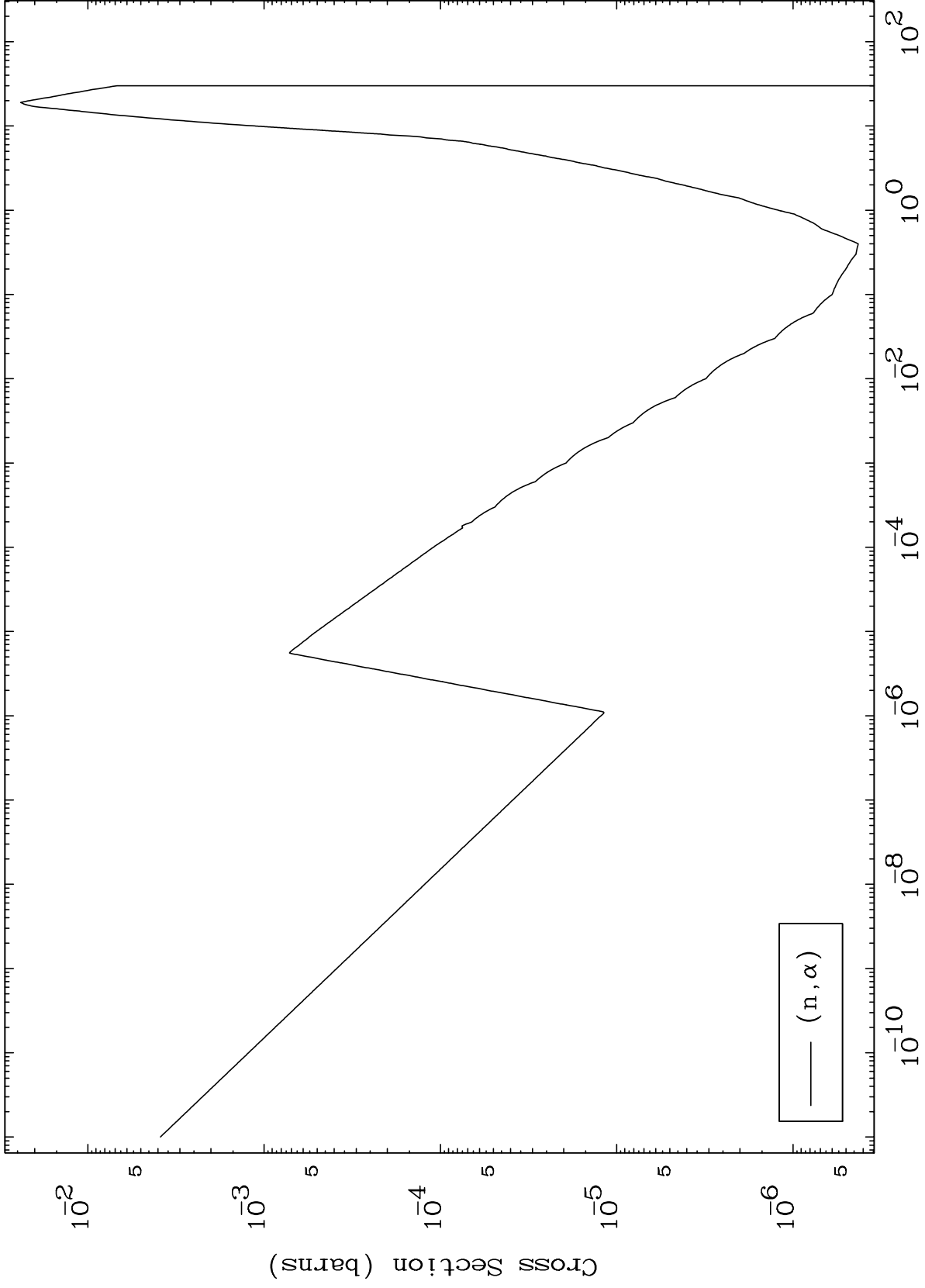
12



MAT 5922

(n,α) Levels
293 Kelvin Cross Sections

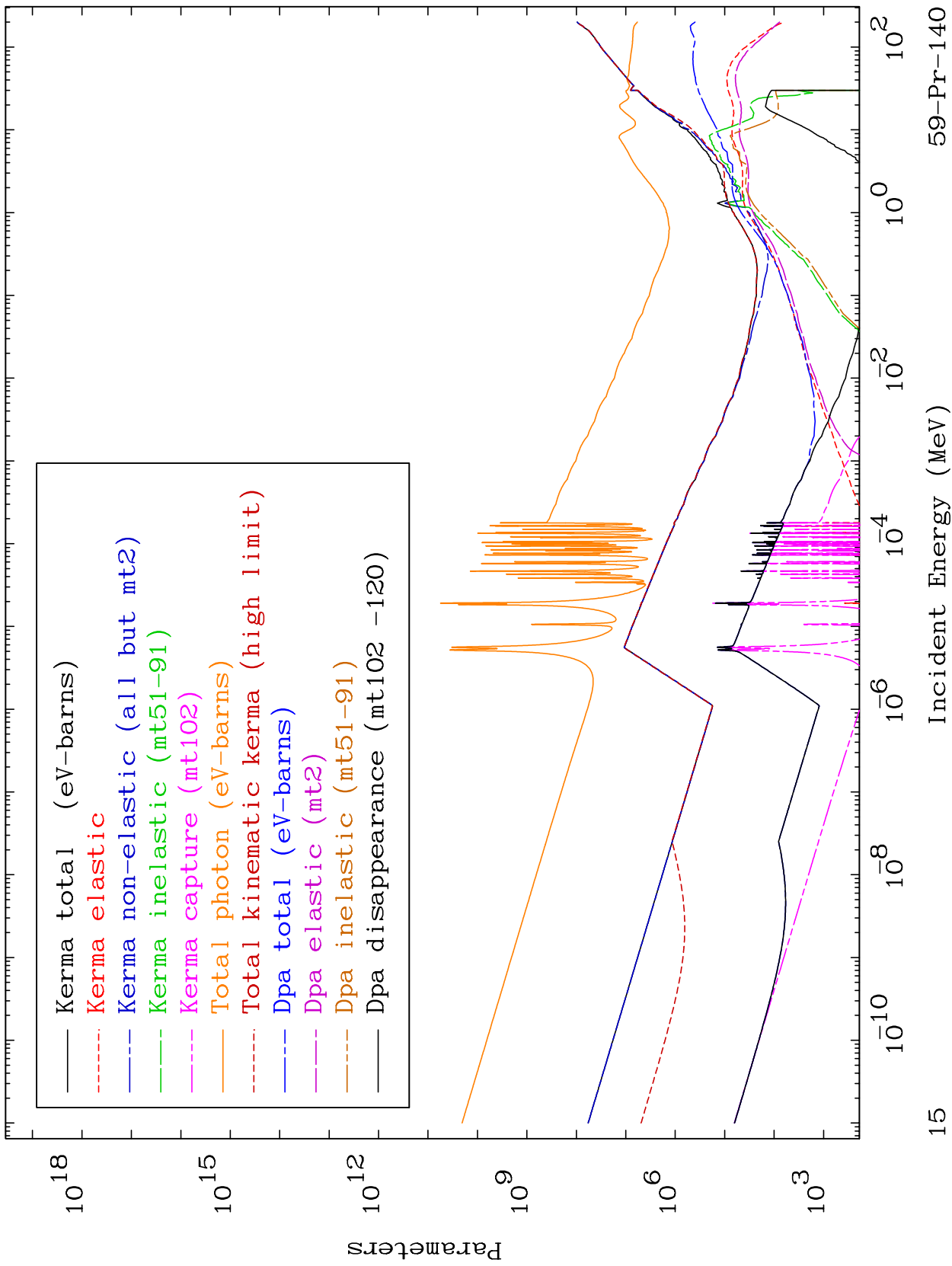
59-Pr-140



Incident Energy (MeV)

59-Pr-140

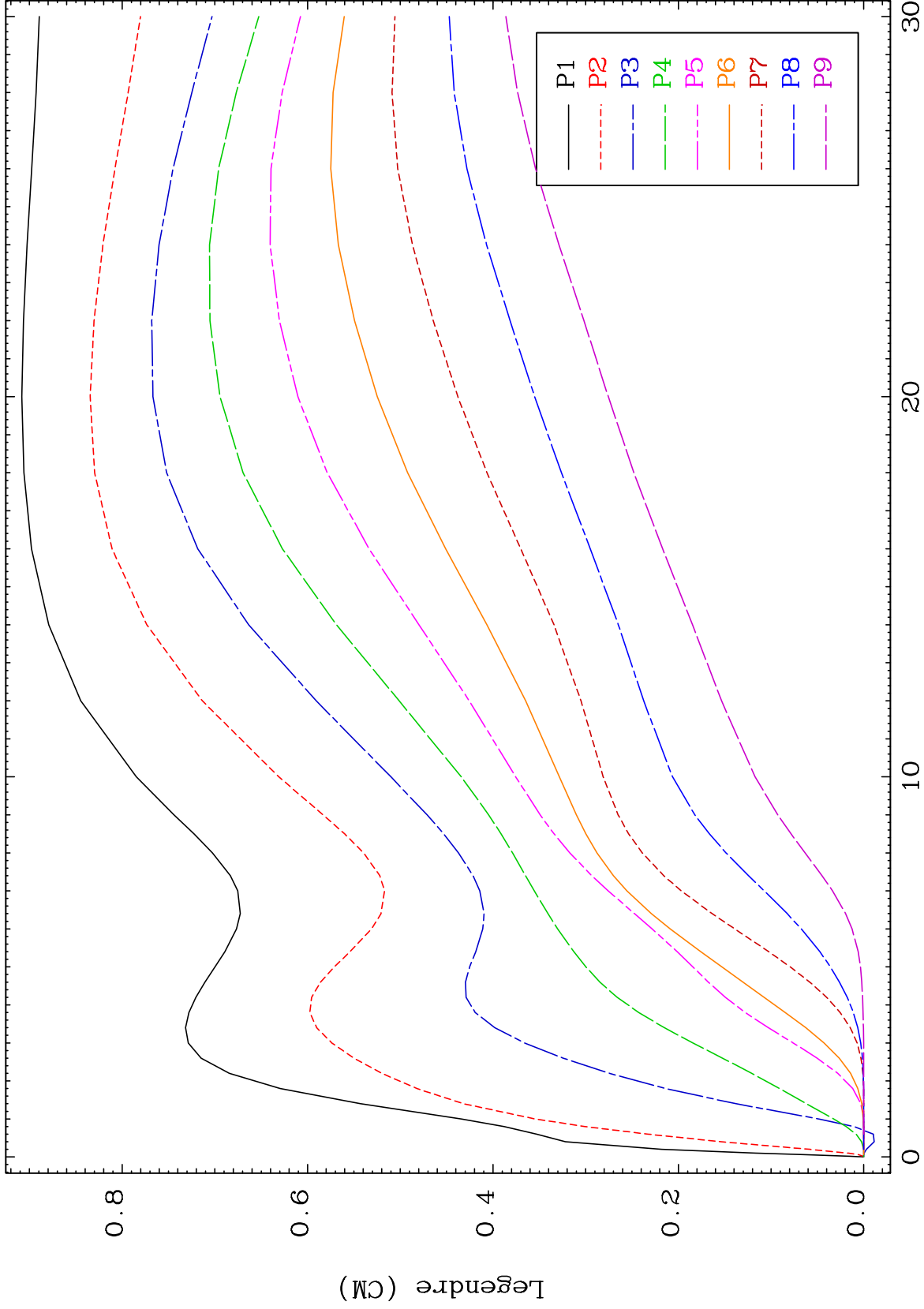
(n,α)



MAT 5922

Elastic Legendre Coefficients

59-Pr-140



16

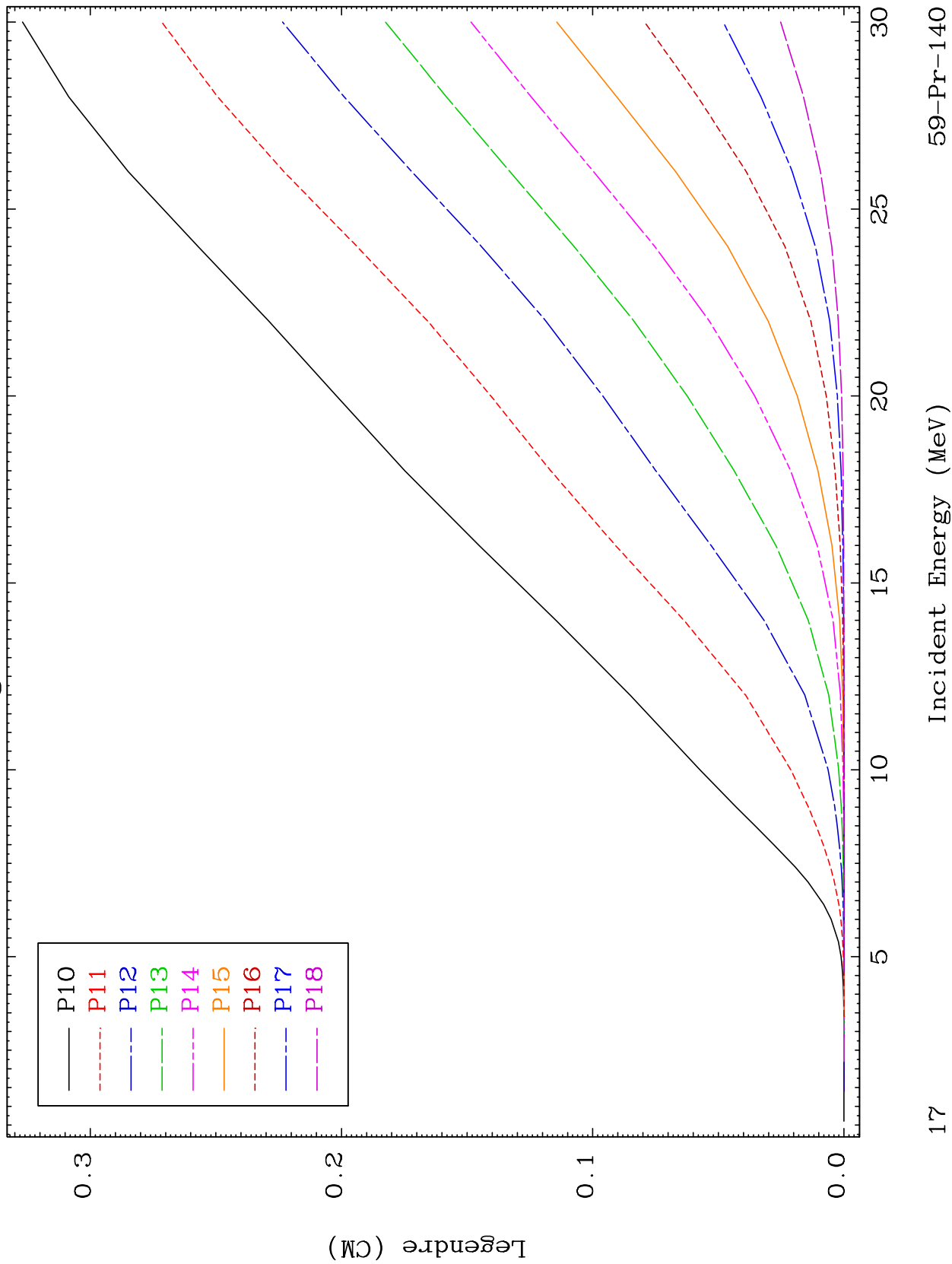
Incident Energy (MeV)

59-Pr-140

MAT 5922

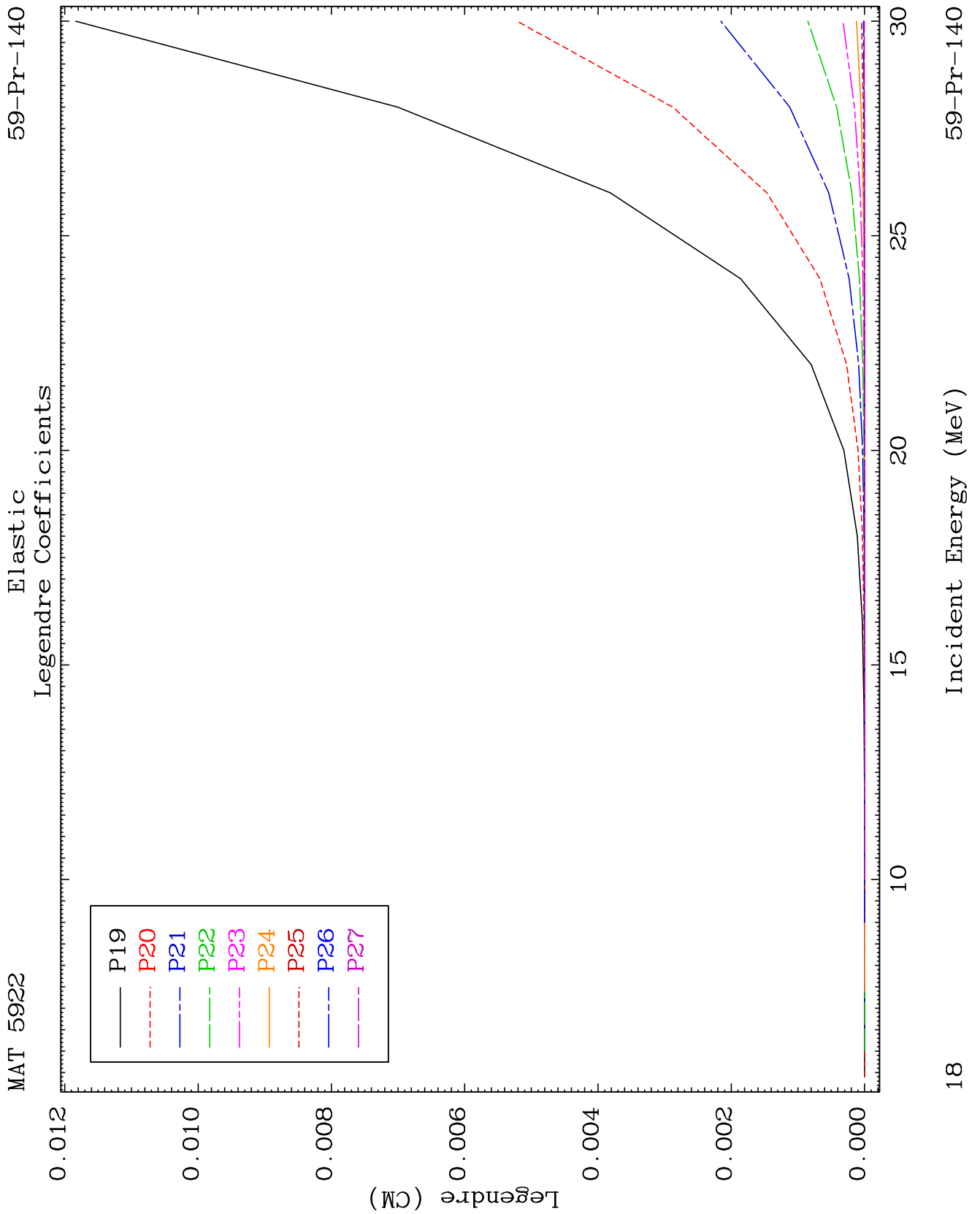
Elastic Legendre Coefficients

59-Pr-140



17

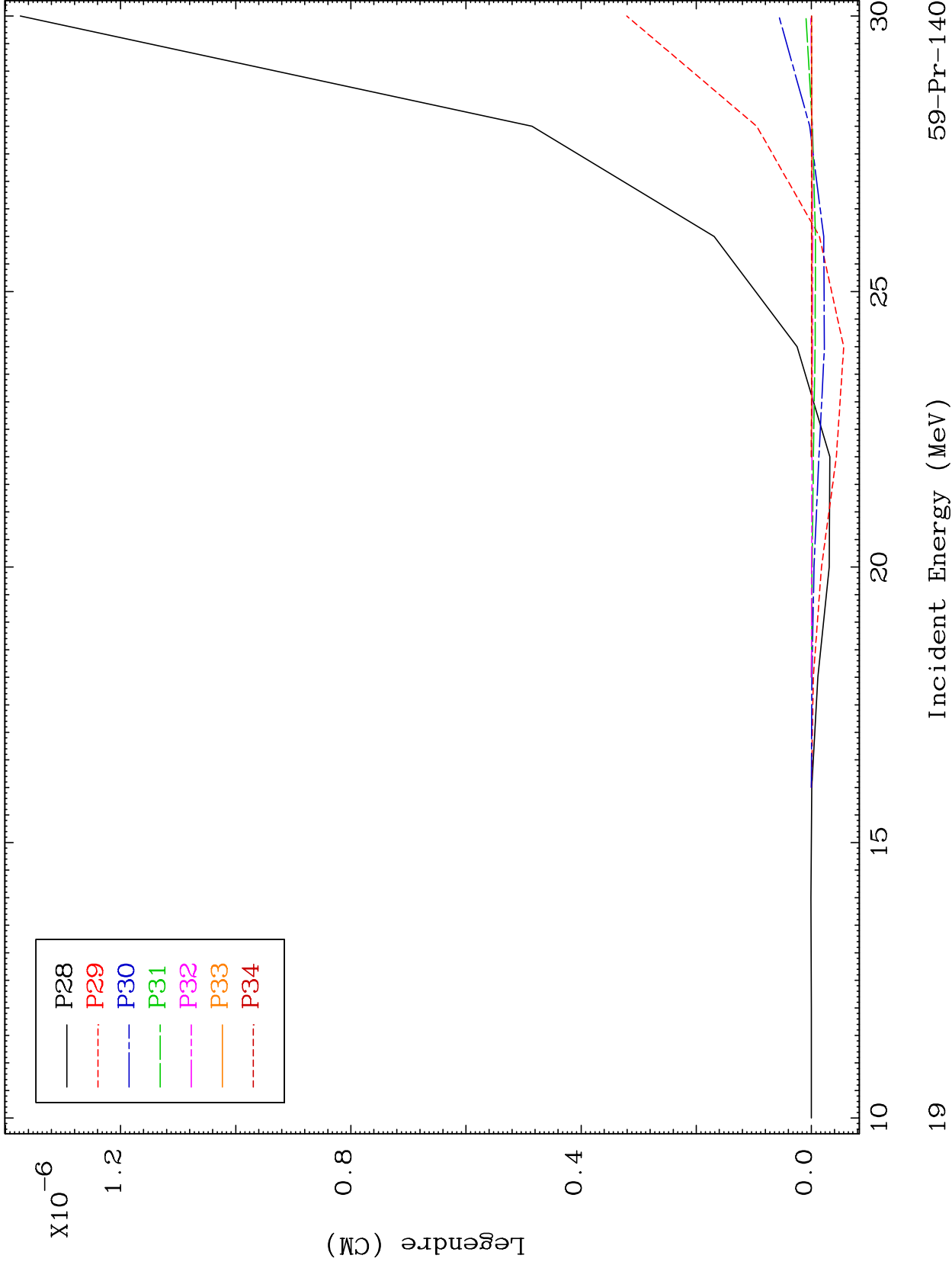
59-Pr-140



MAT 5922

Elastic Legendre Coefficients

59-Pr-140

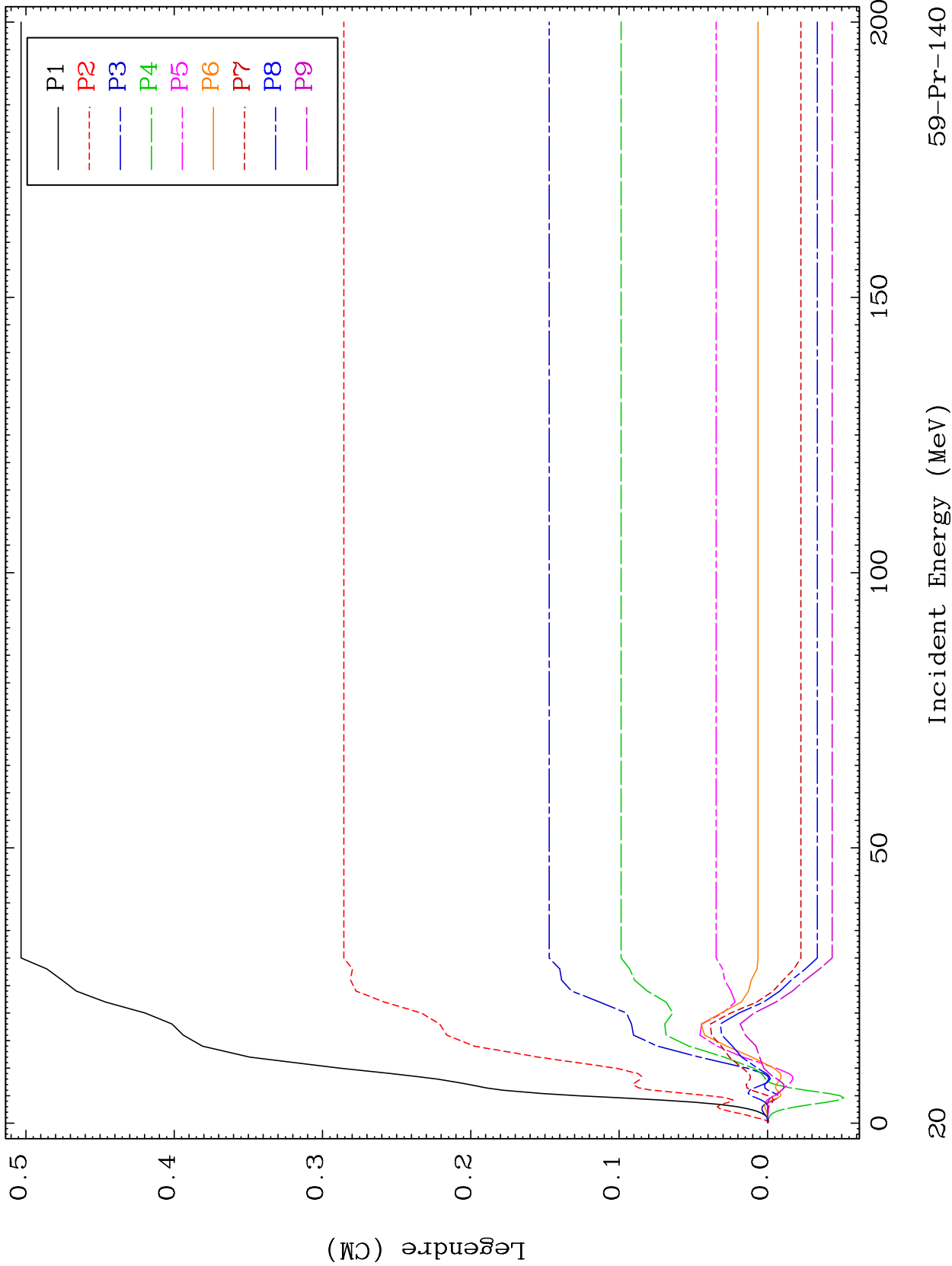


MAT 5922

MT= 51 (n,n') Level

59-Pr-140

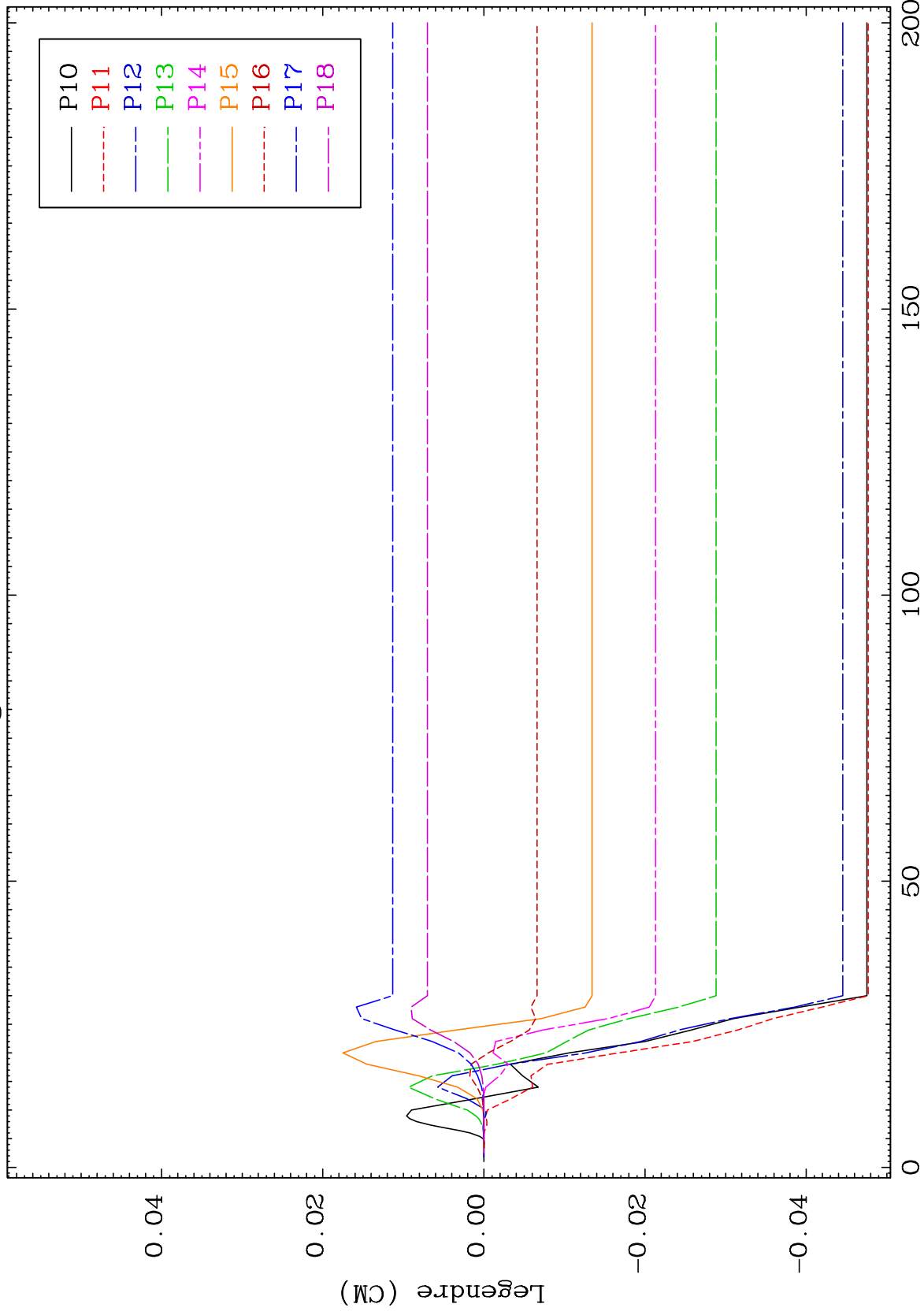
Legendre Coefficients



MAT 5922

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

59-Pr-140



21

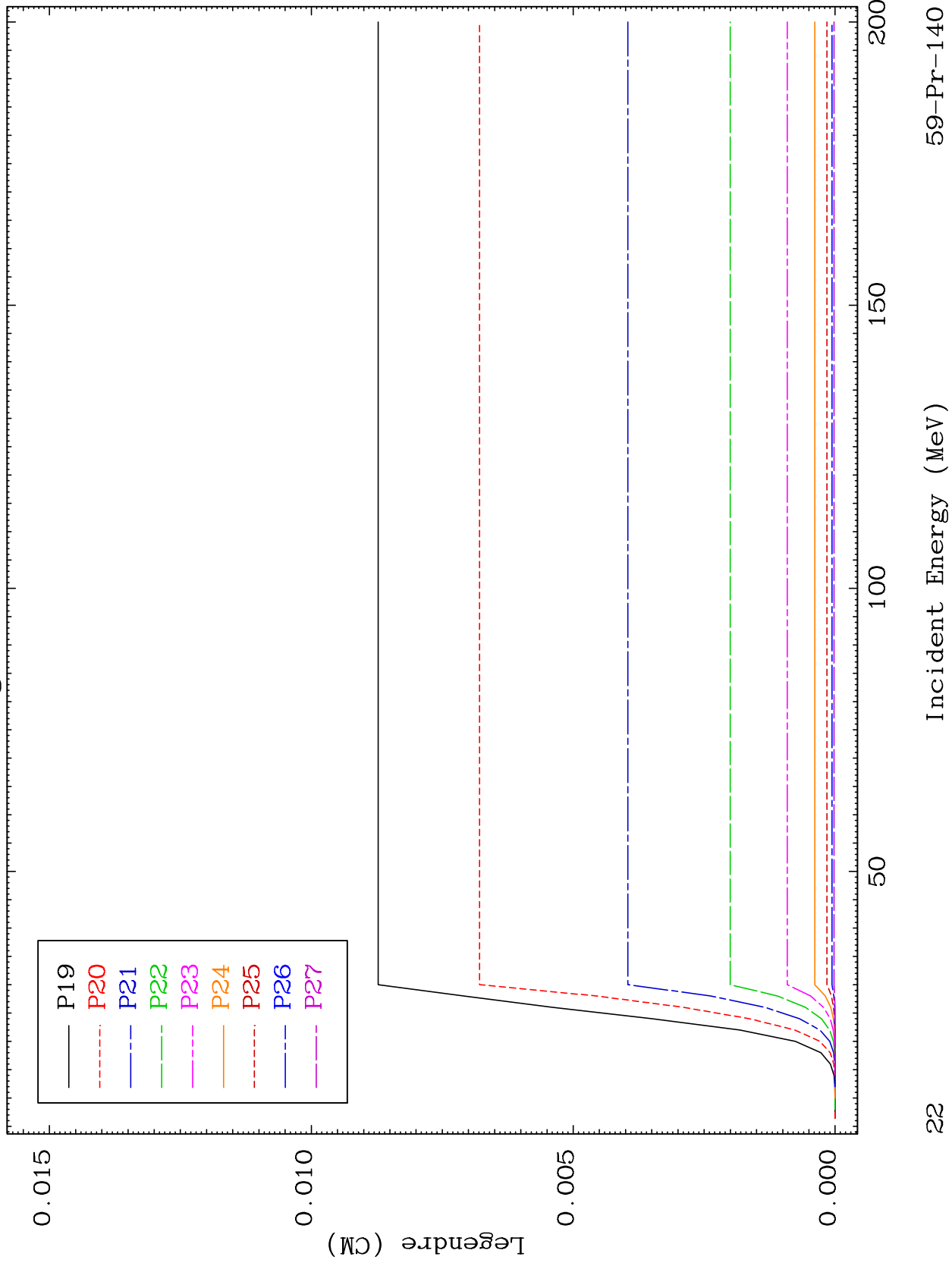
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



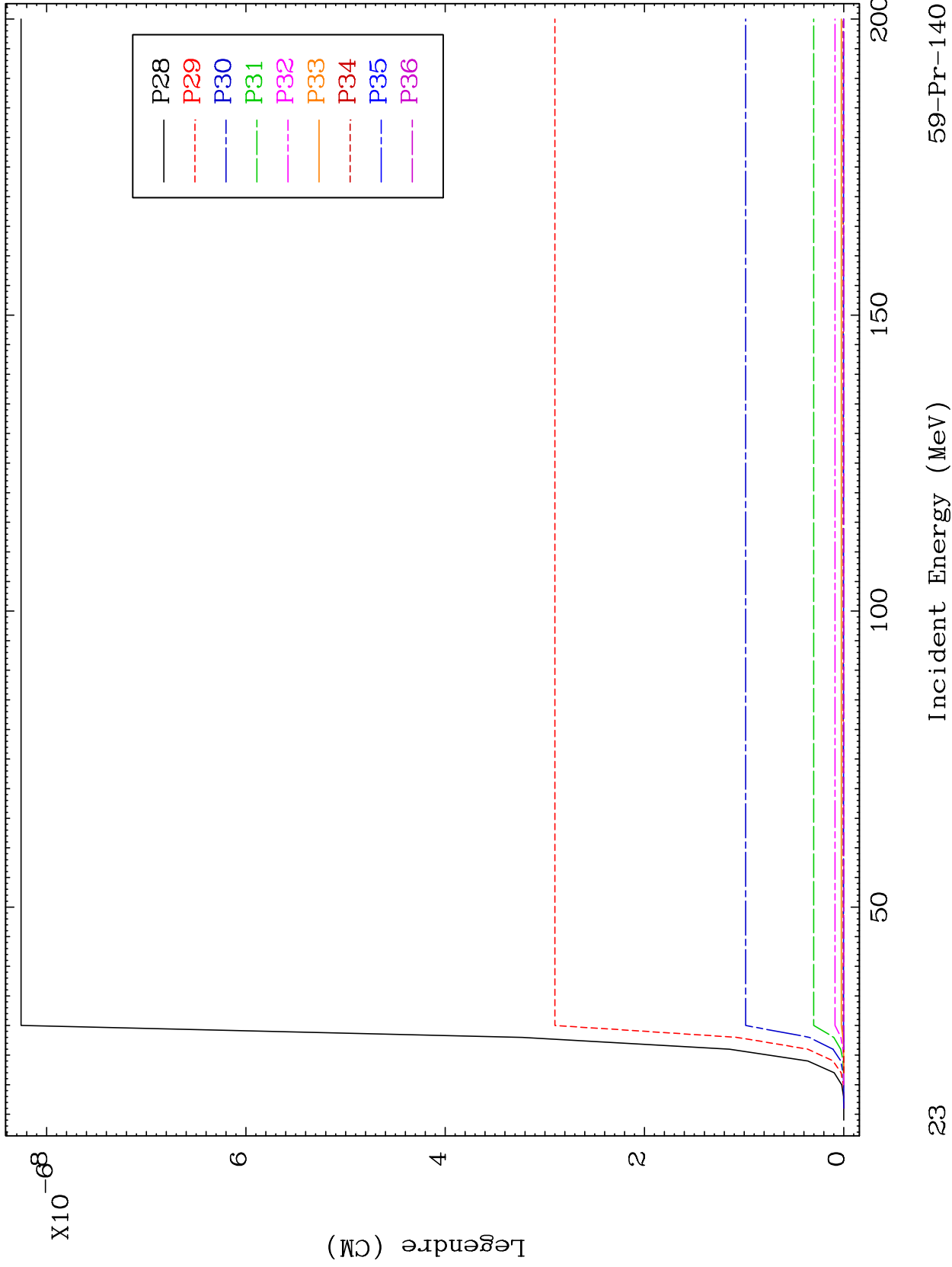
22

59-Pr-140

MAT 5922

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

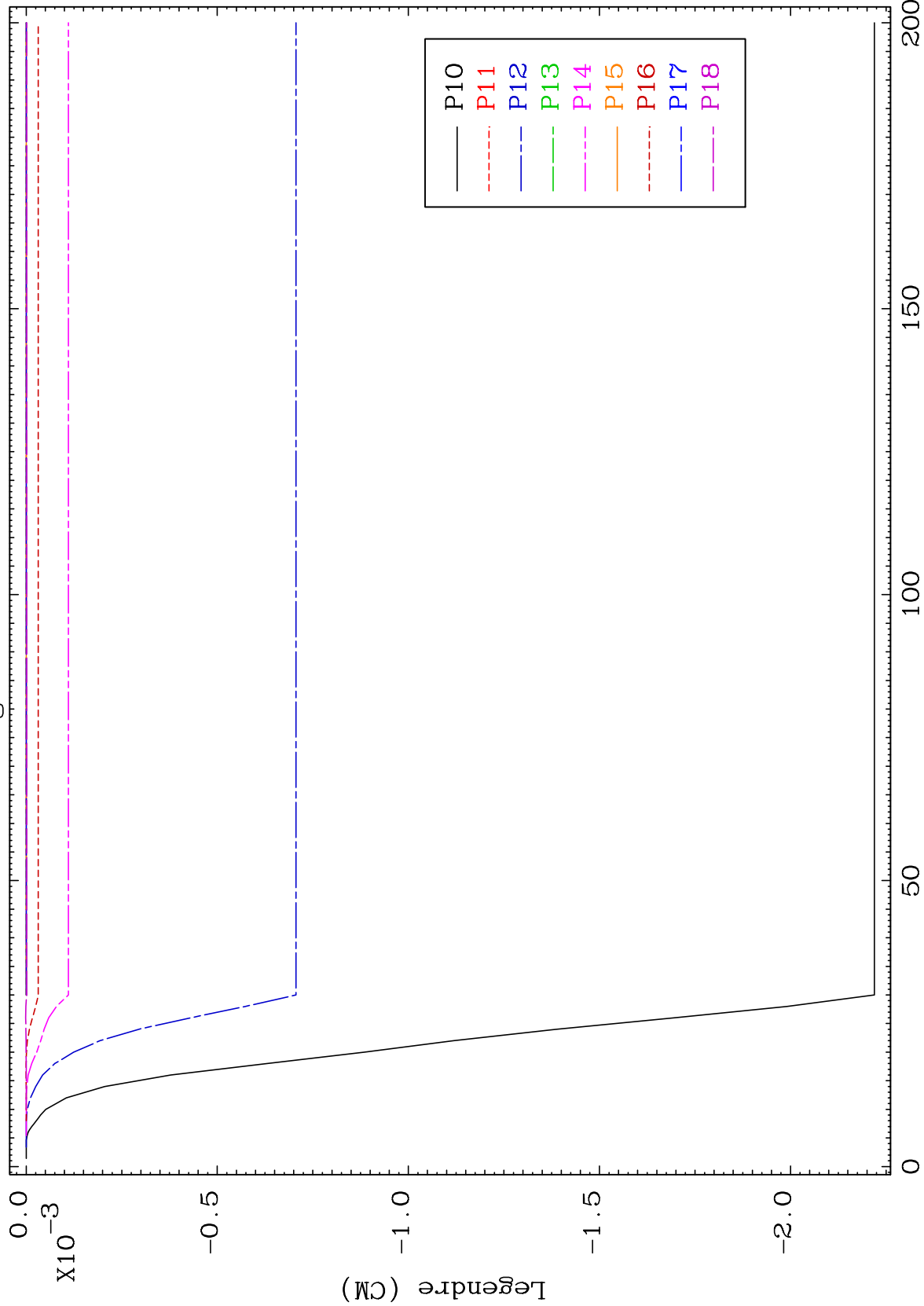
59-Pr-140



MAT 5922

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

59-Pr-140



25

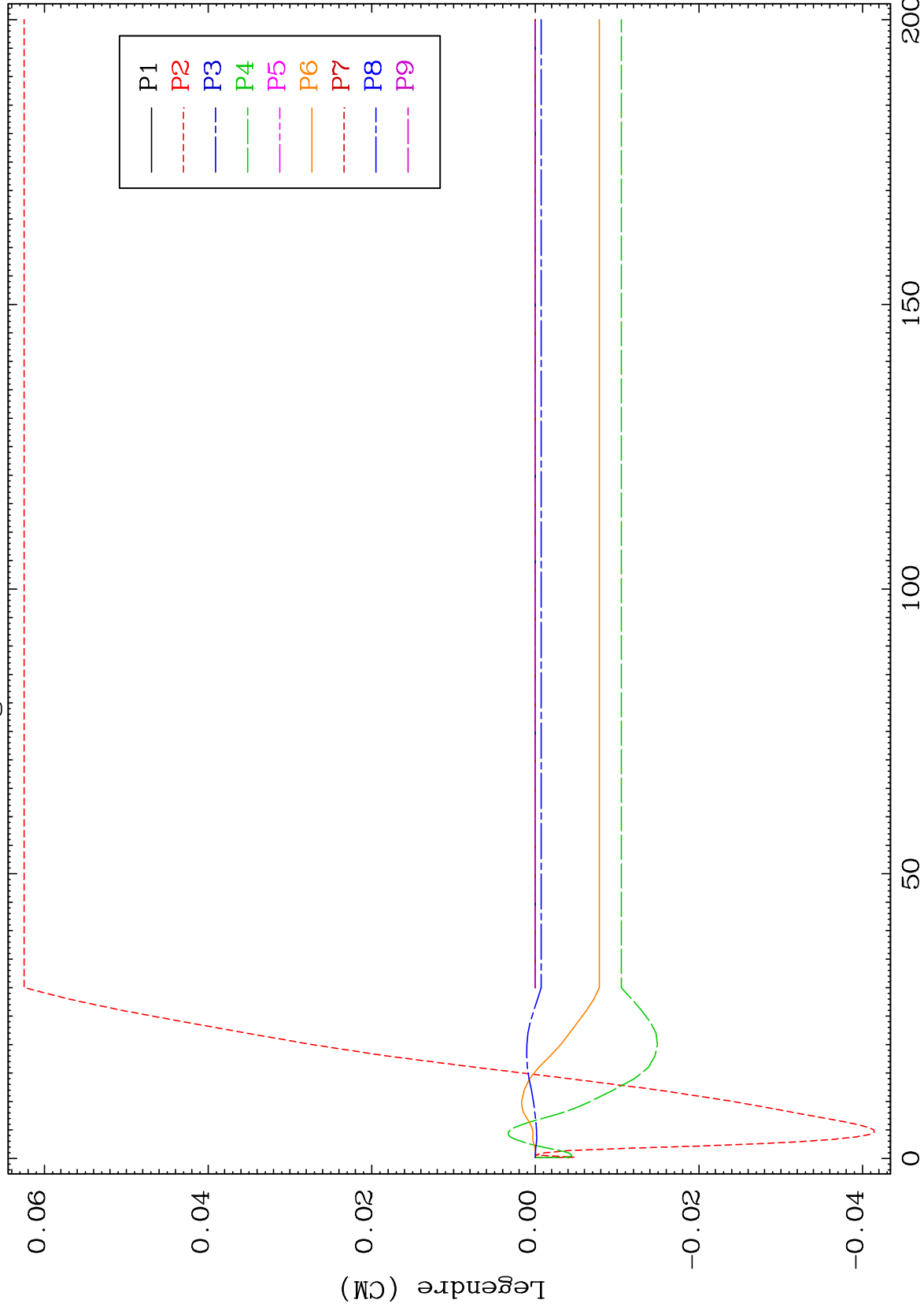
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



59-Pr-140

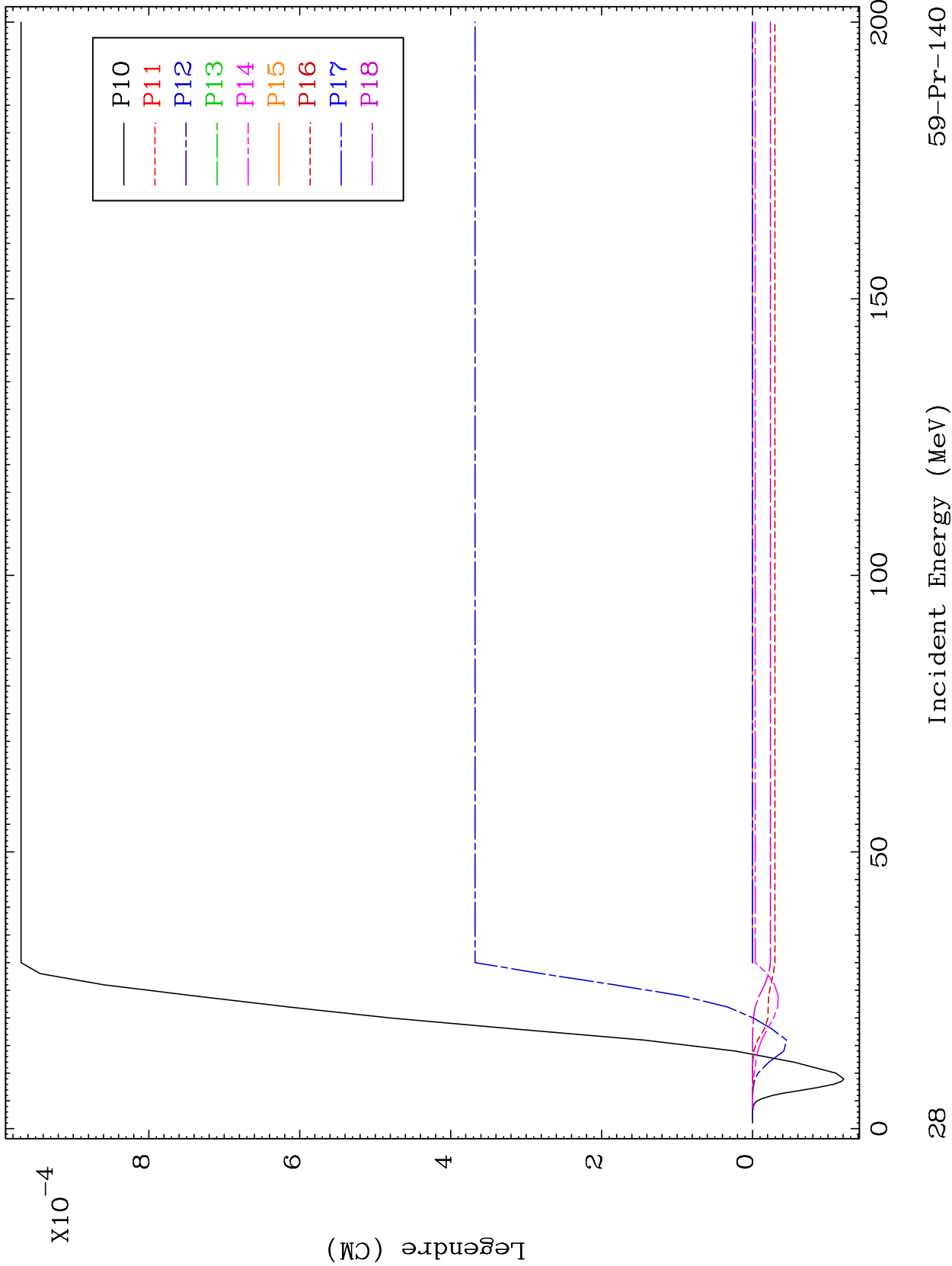
Incident Energy (MeV)

27

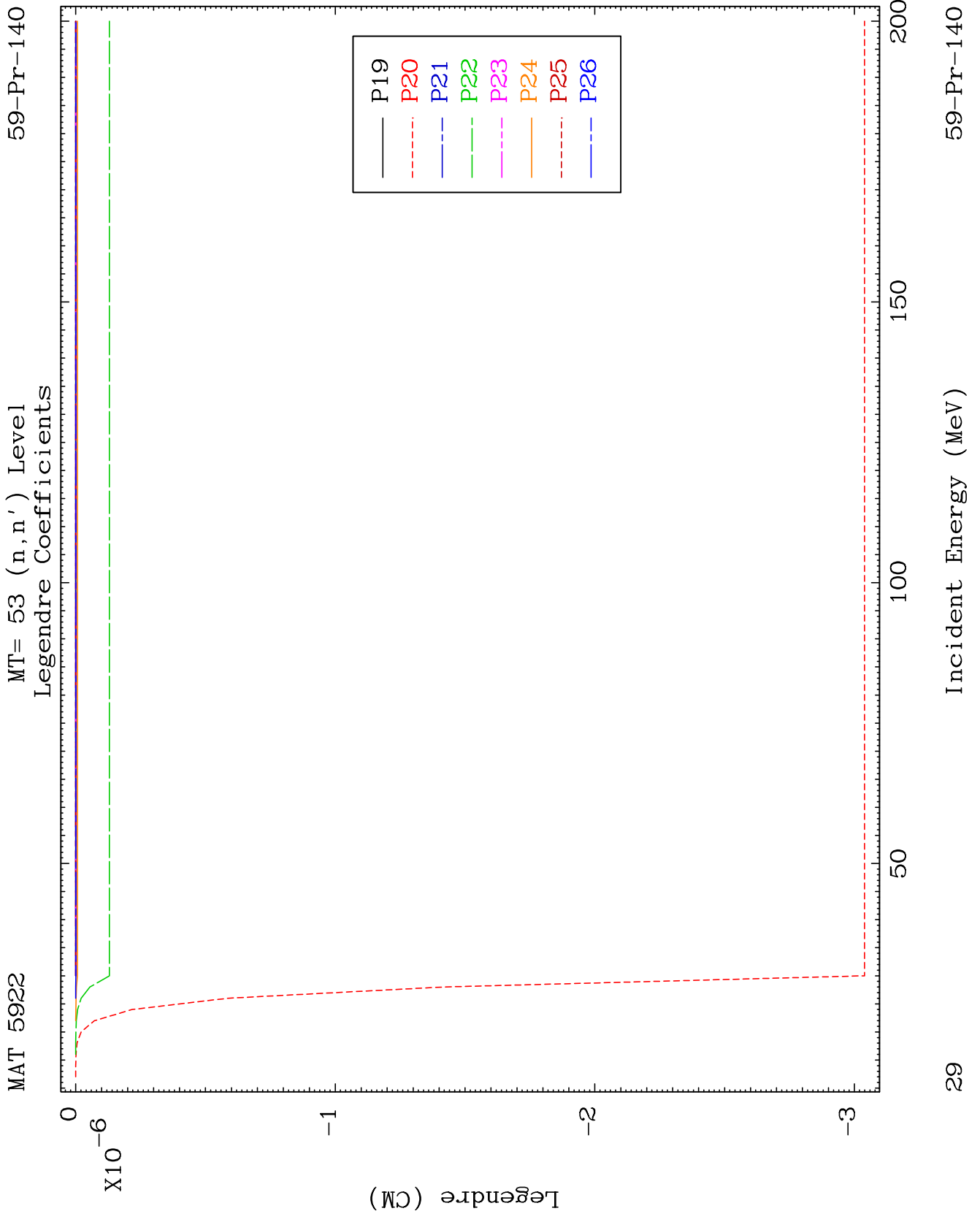
MAT 5922

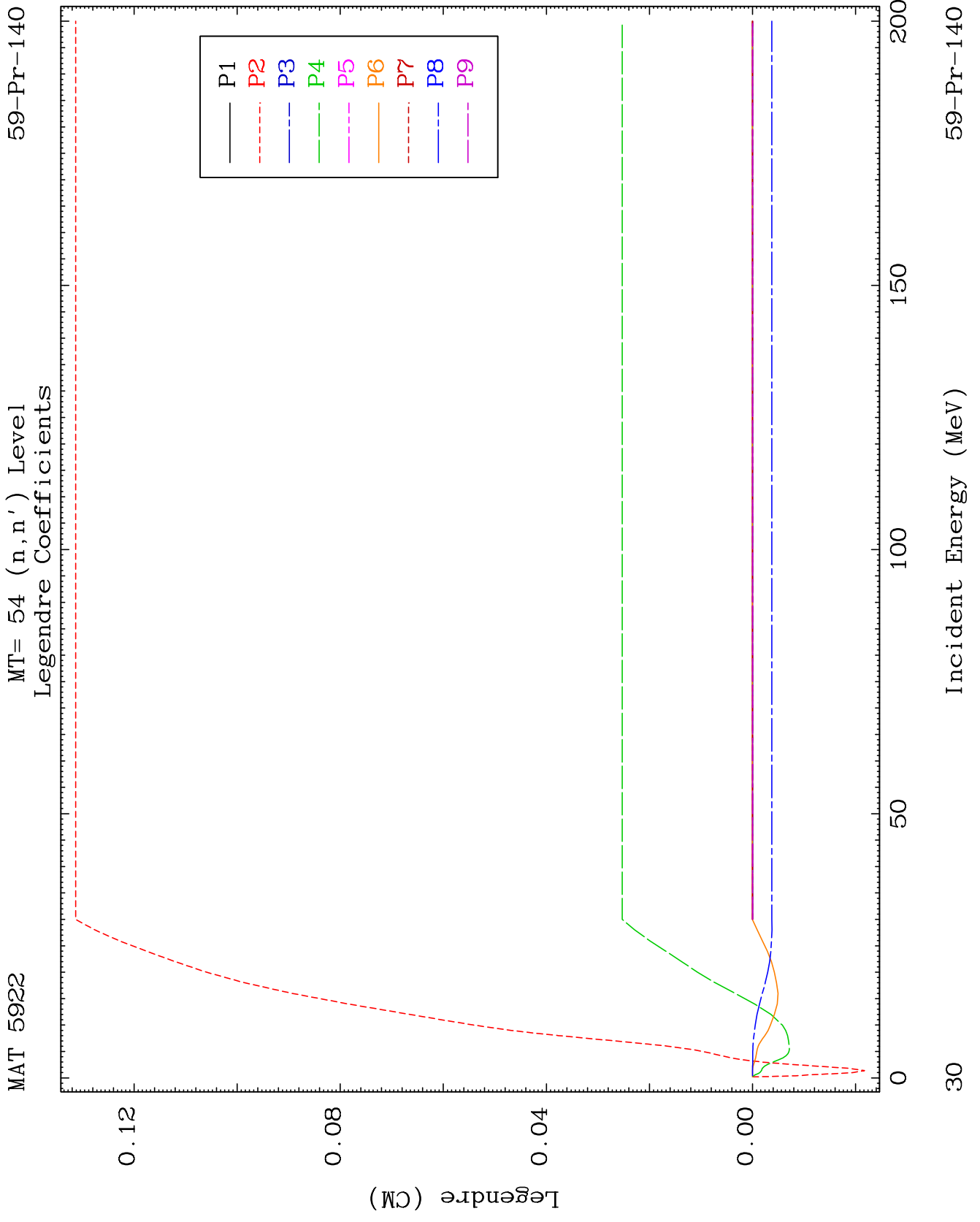
MT= 53 (n,n') Level
Legendre Coefficients

59-Pr-140



59-Pr-140

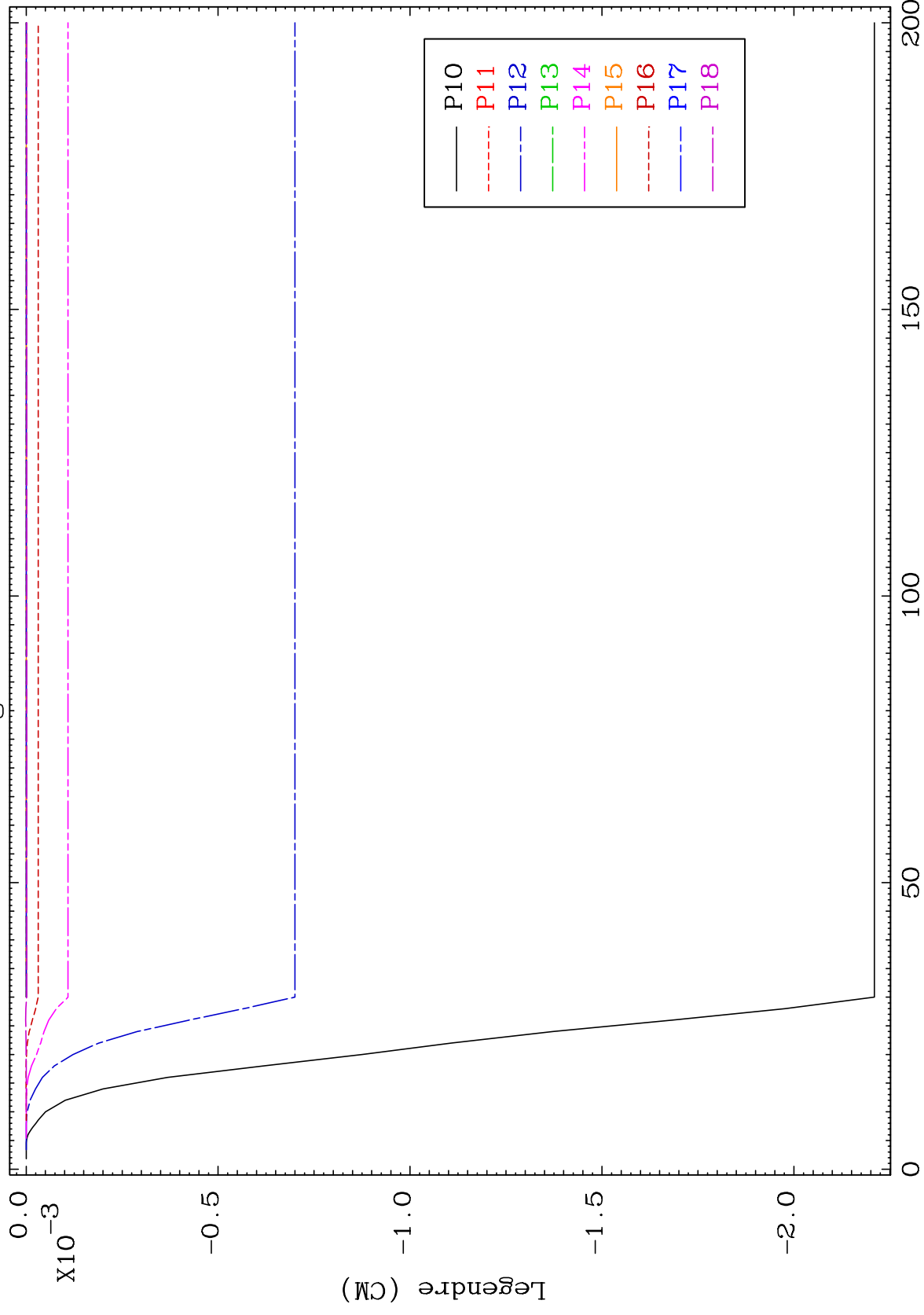




MAT 5922

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

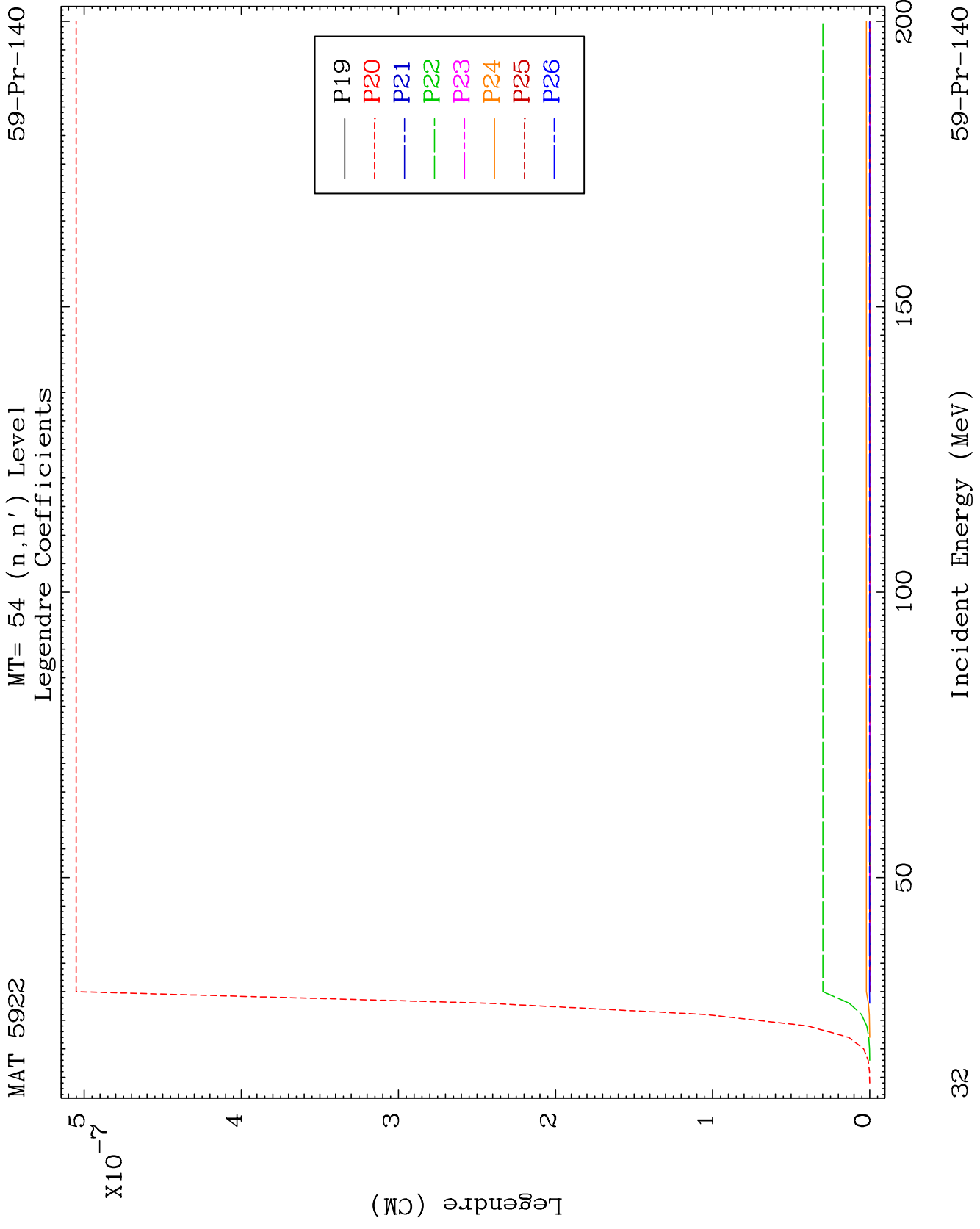
59-Pr-140



31

Incident Energy (MeV)

59-Pr-140

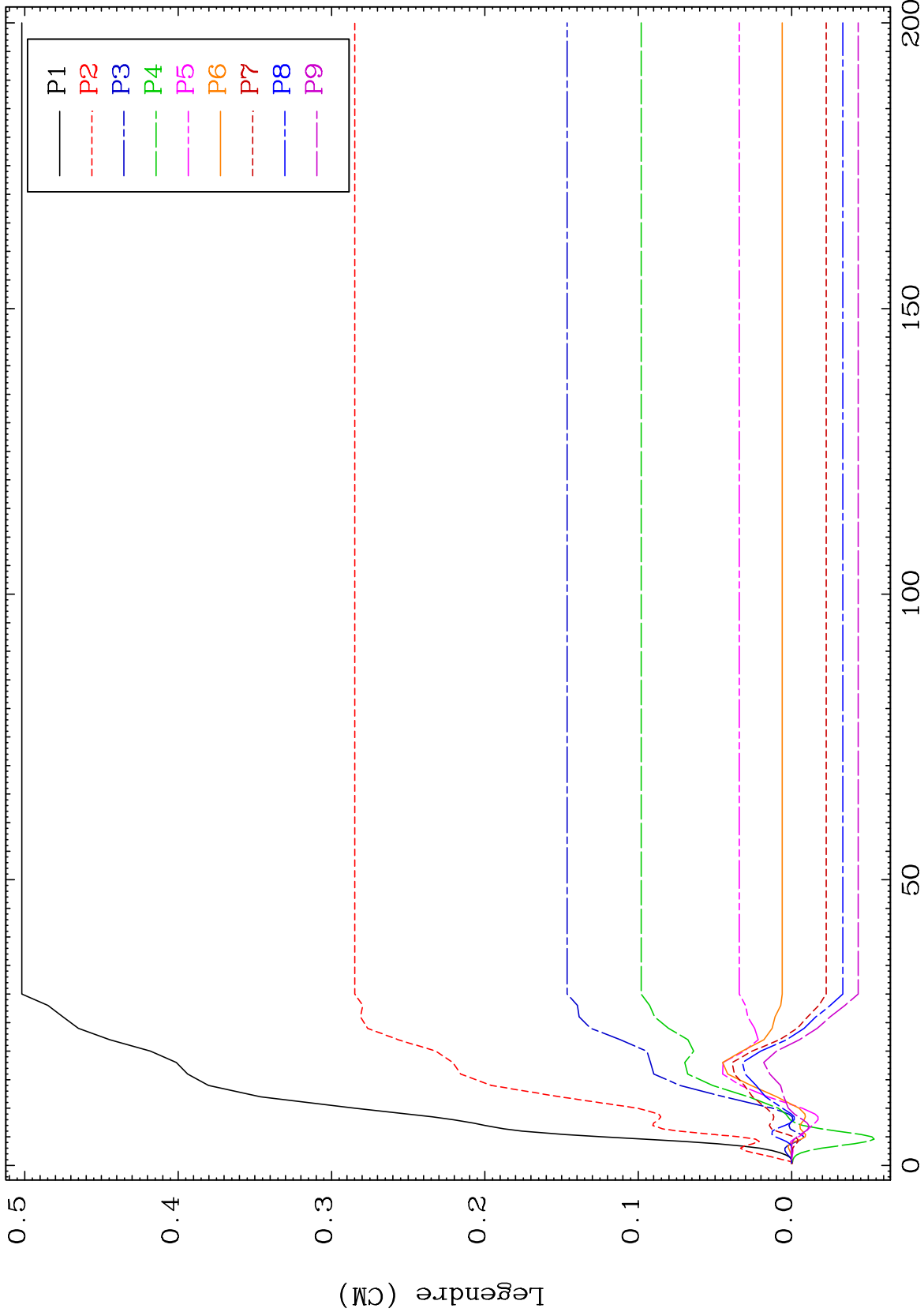


MAT 5922

MT= 55 (n,n') Level

59-Pr-140

Legendre Coefficients



33

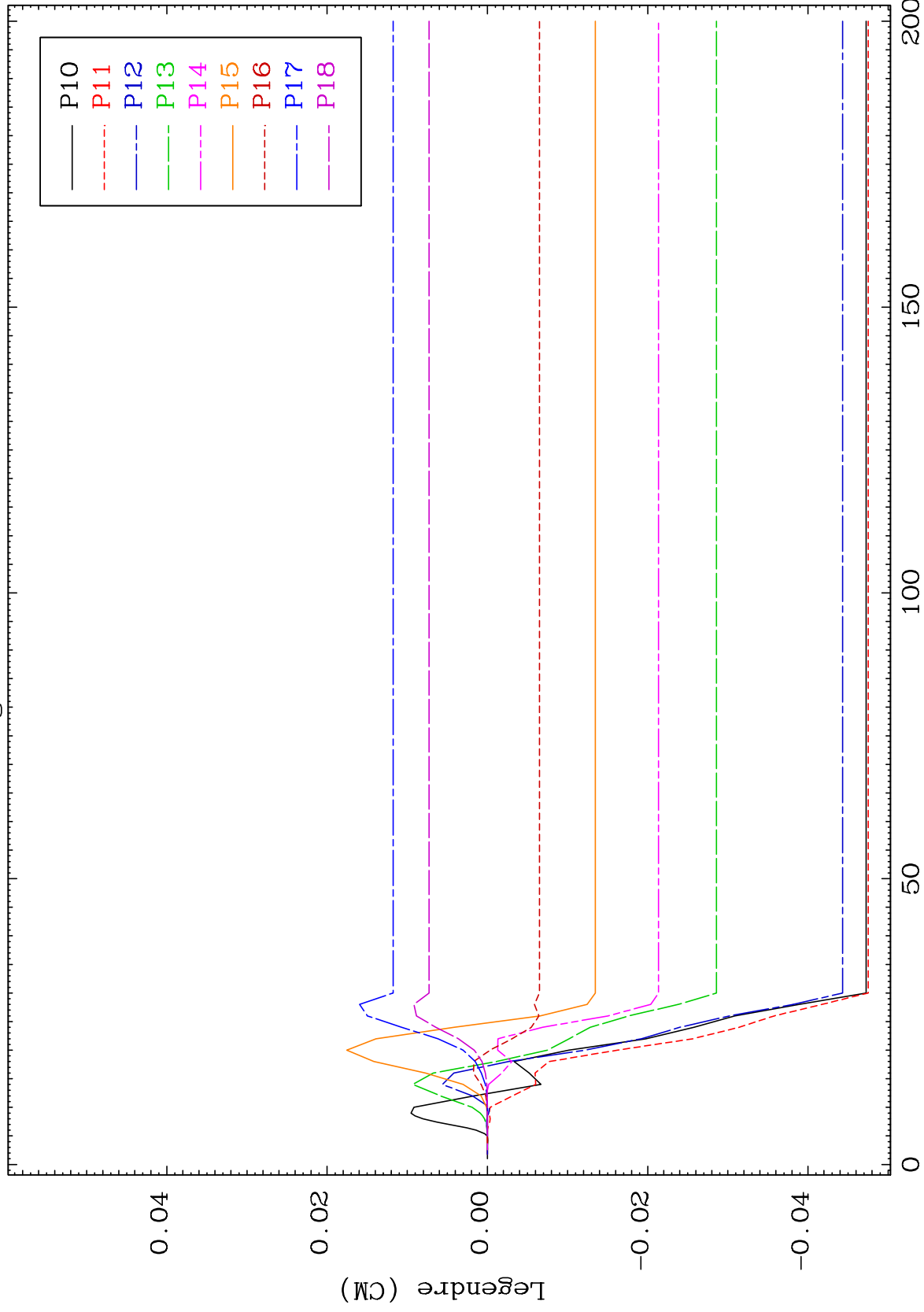
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



34

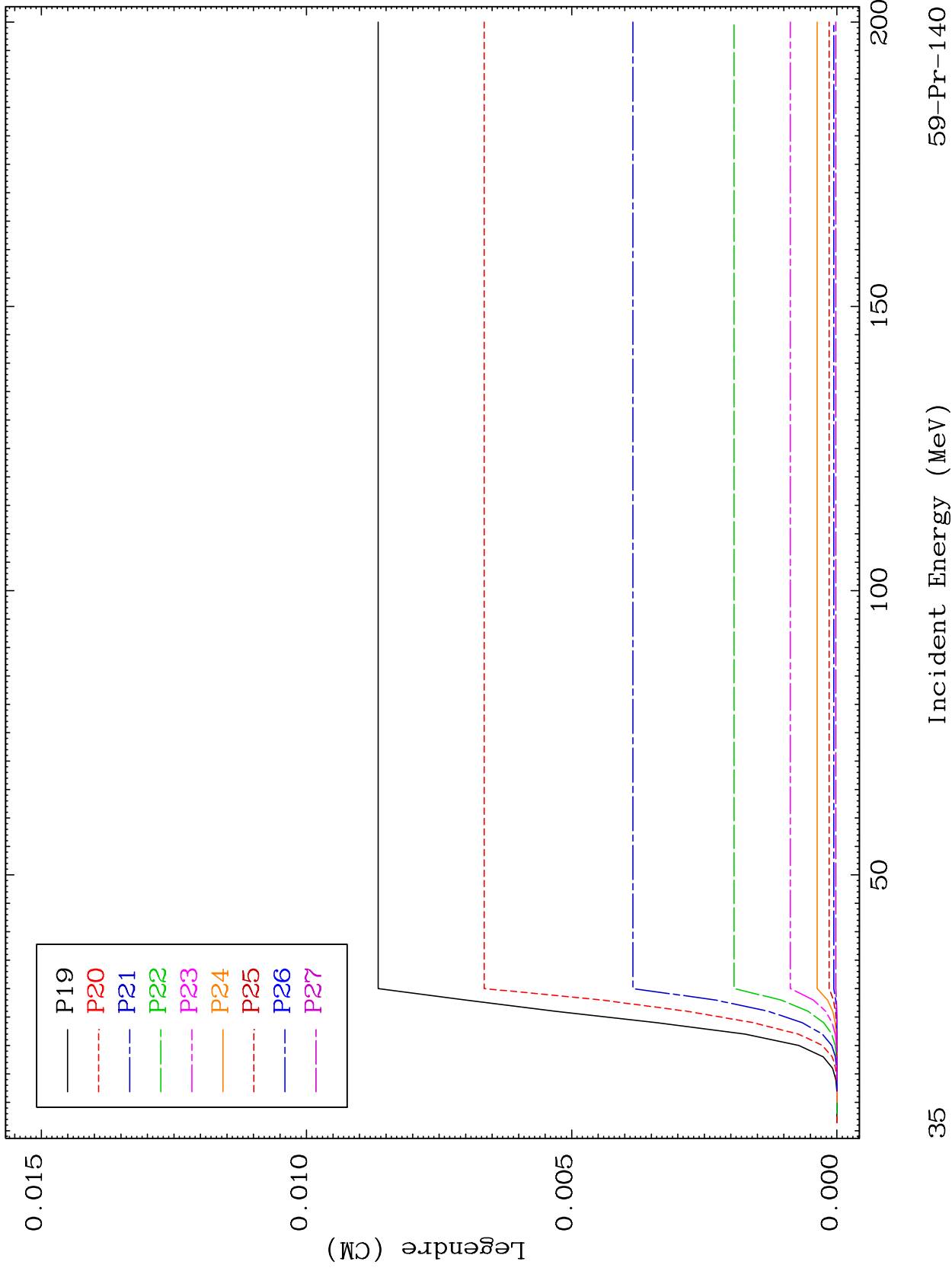
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



35

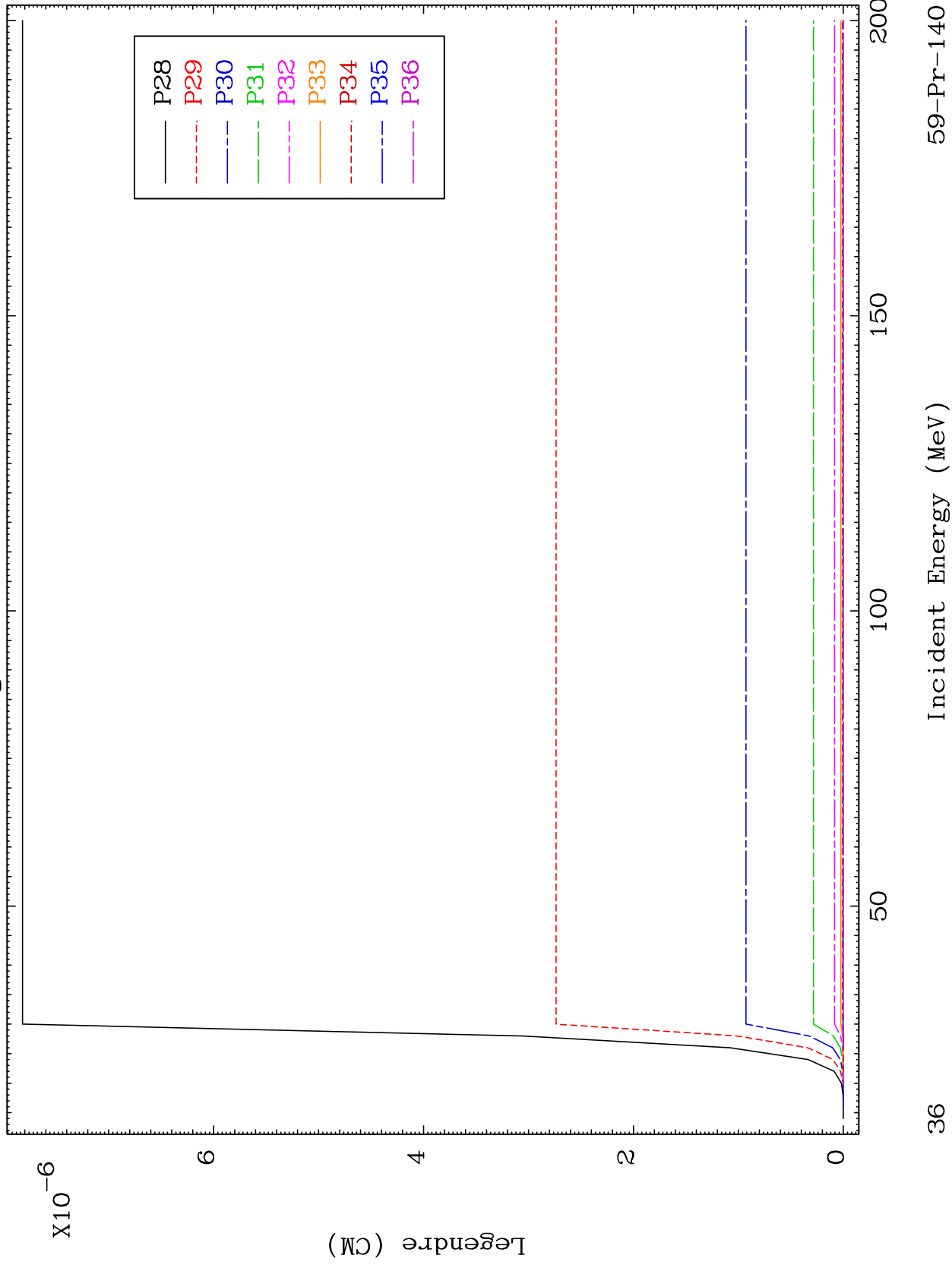
Incident Energy (MeV)

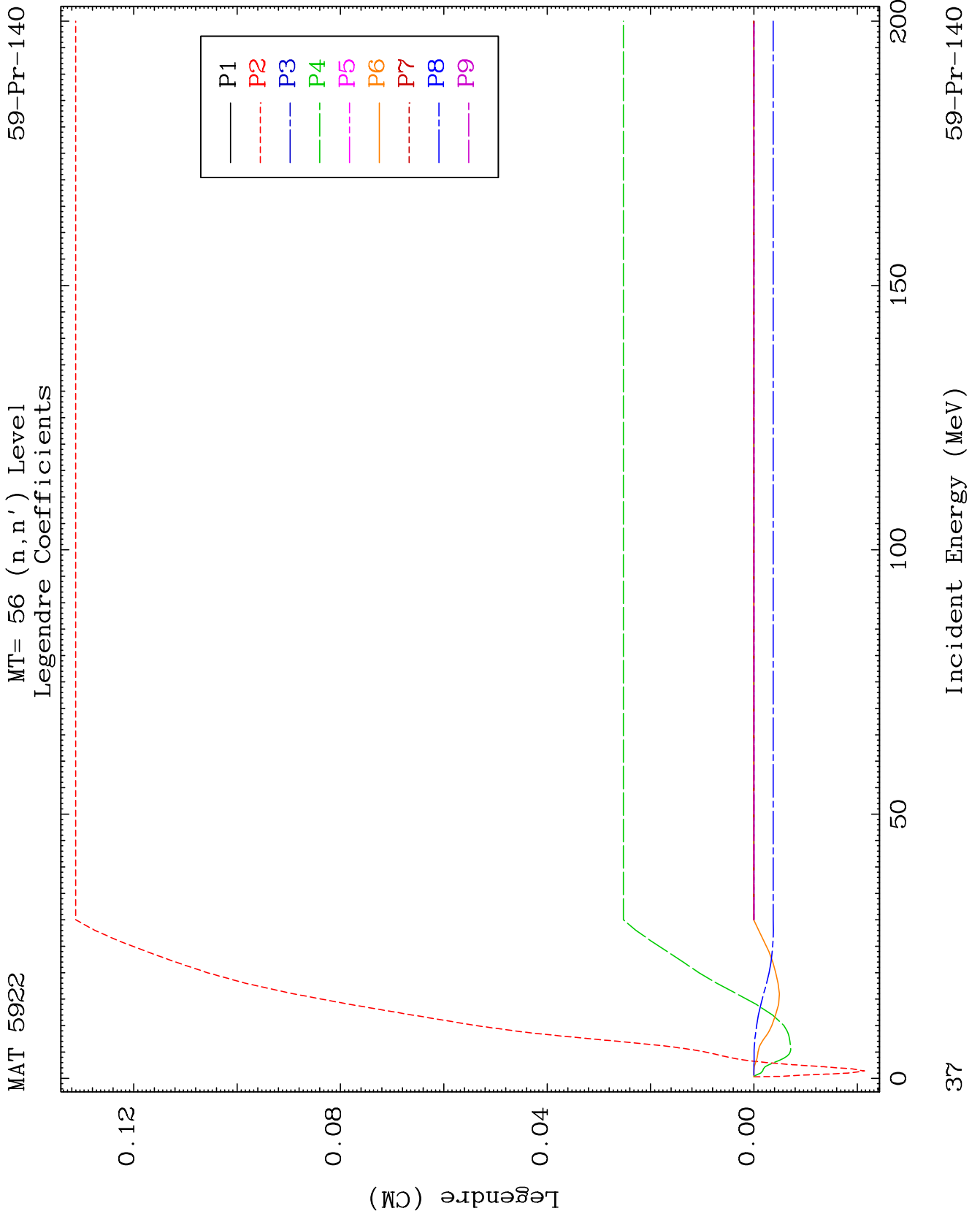
59-Pr-140

MAT 5922

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

59-Pr-140

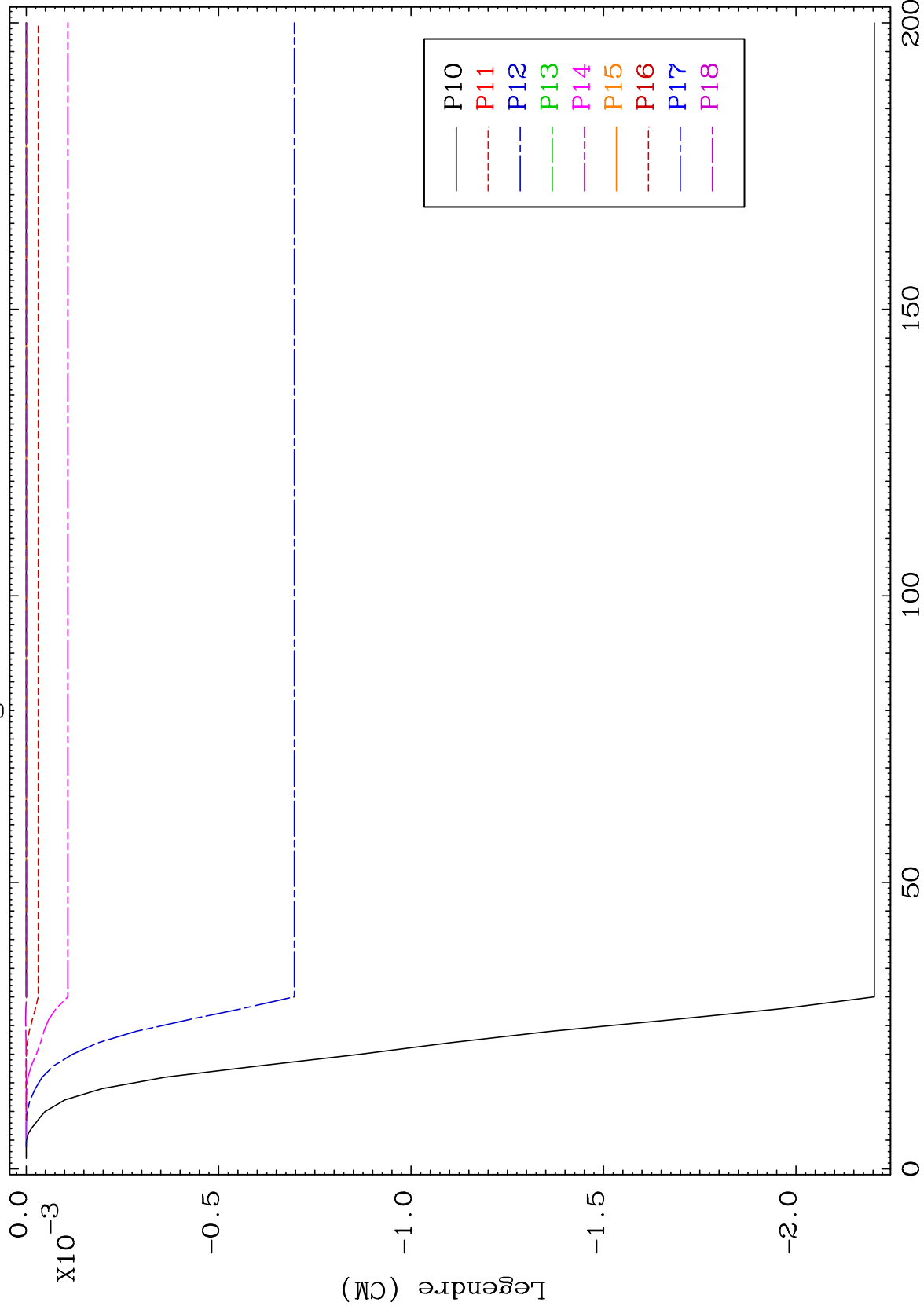




MAT 5922

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

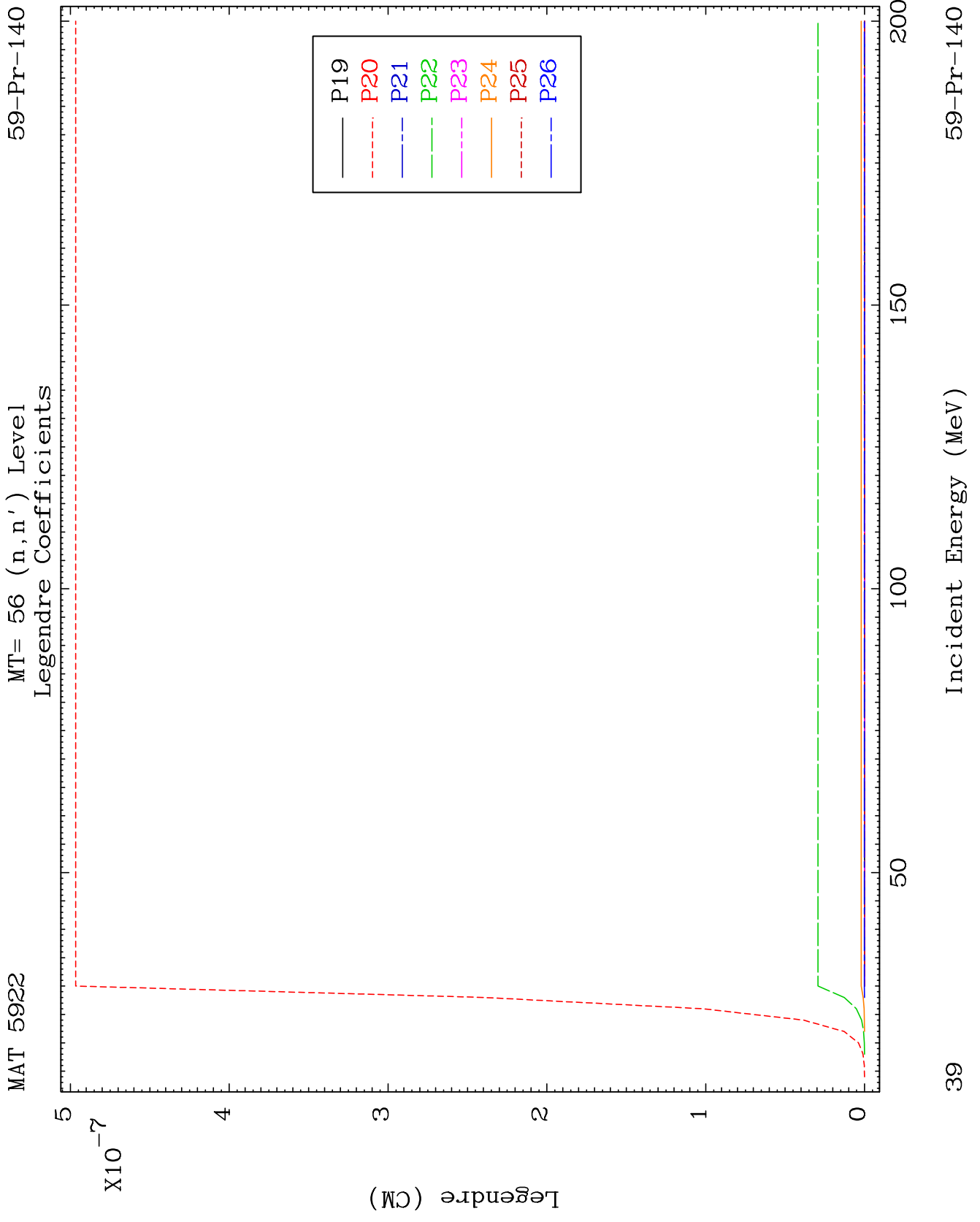
59-Pr-140



38

Incident Energy (MeV)

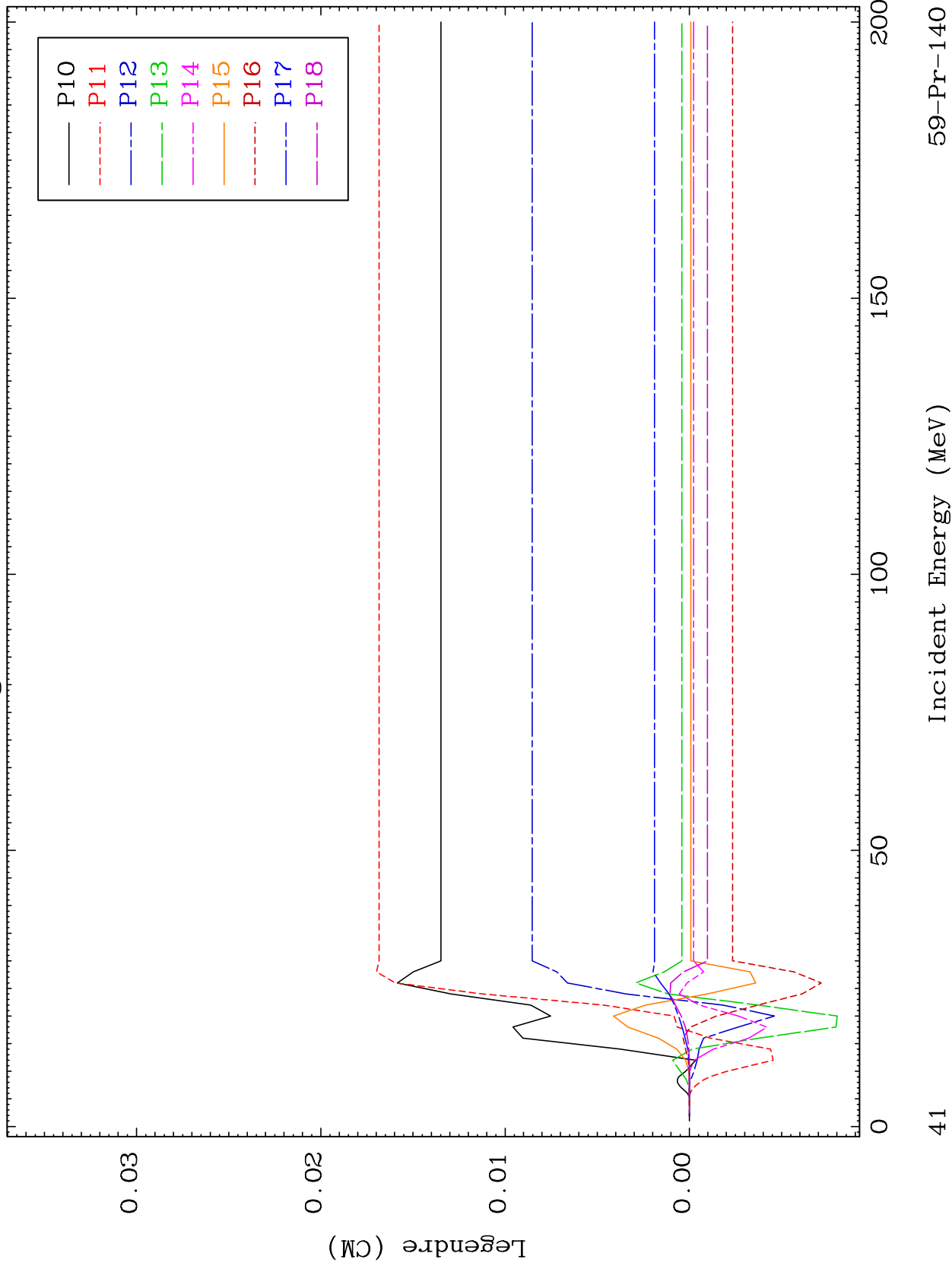
59-Pr-140



MAT 5922

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

59-Pr-140



41

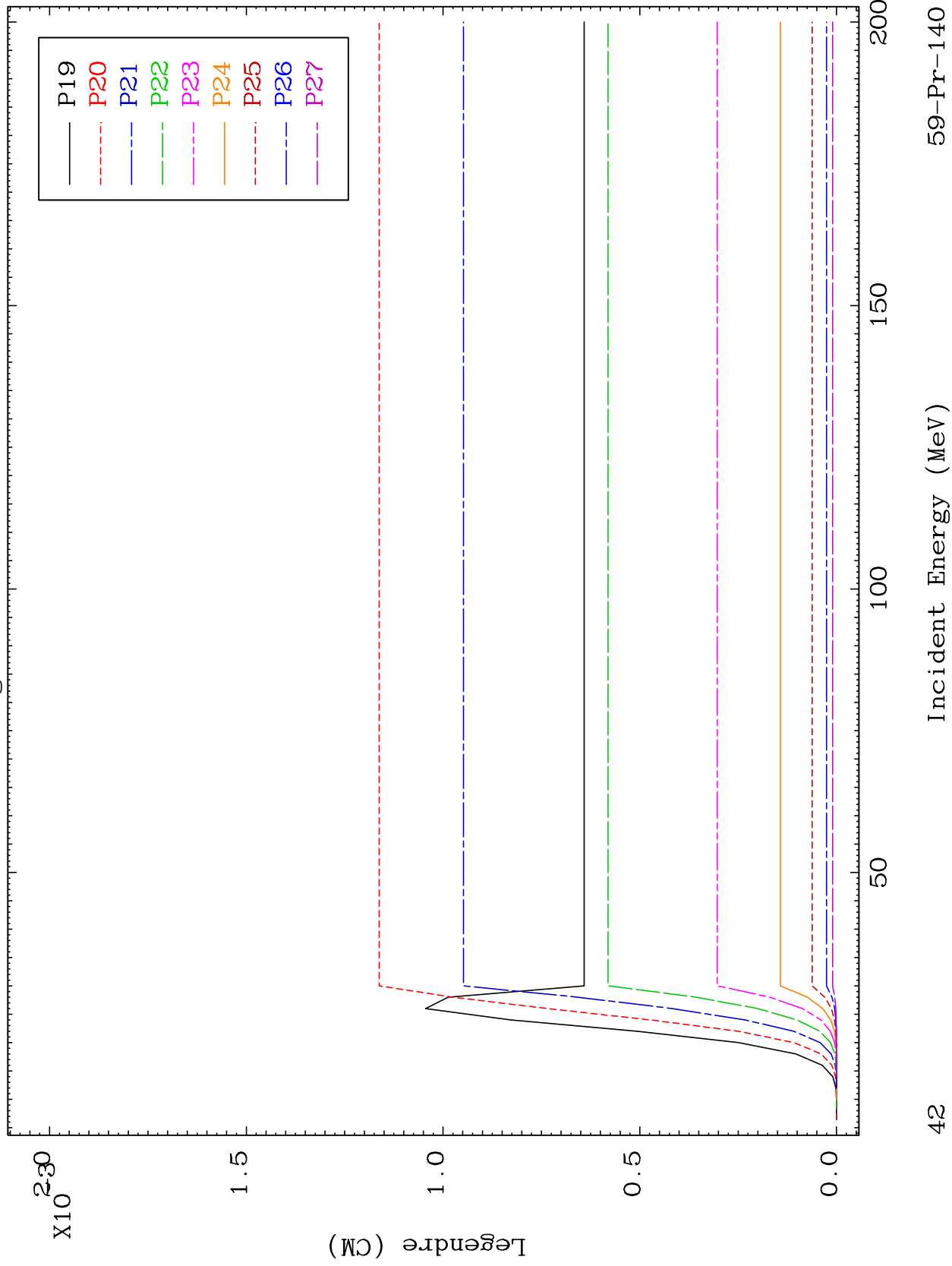
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



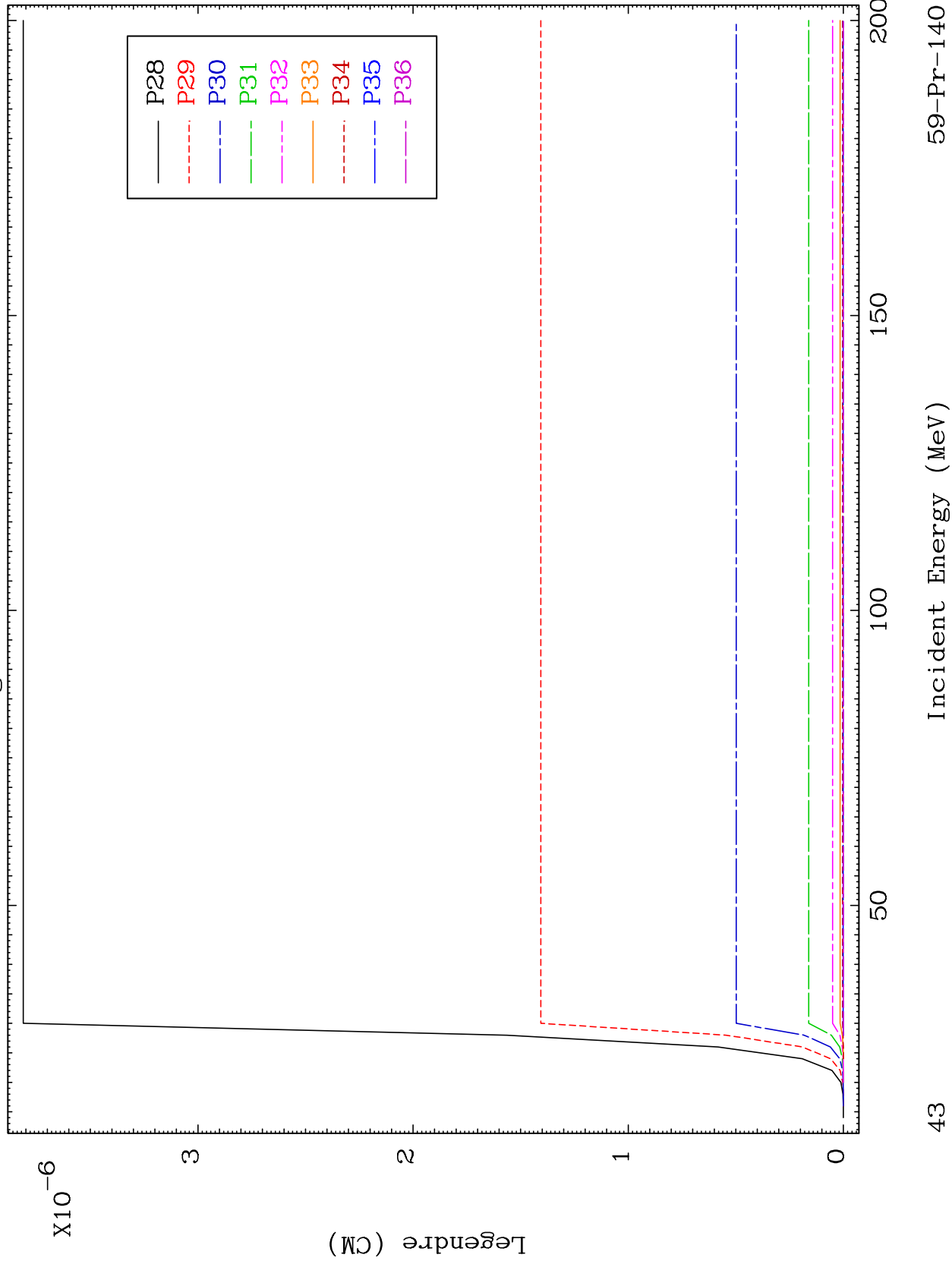
42

59-Pr-140

MAT 5922

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

59-Pr-140



43

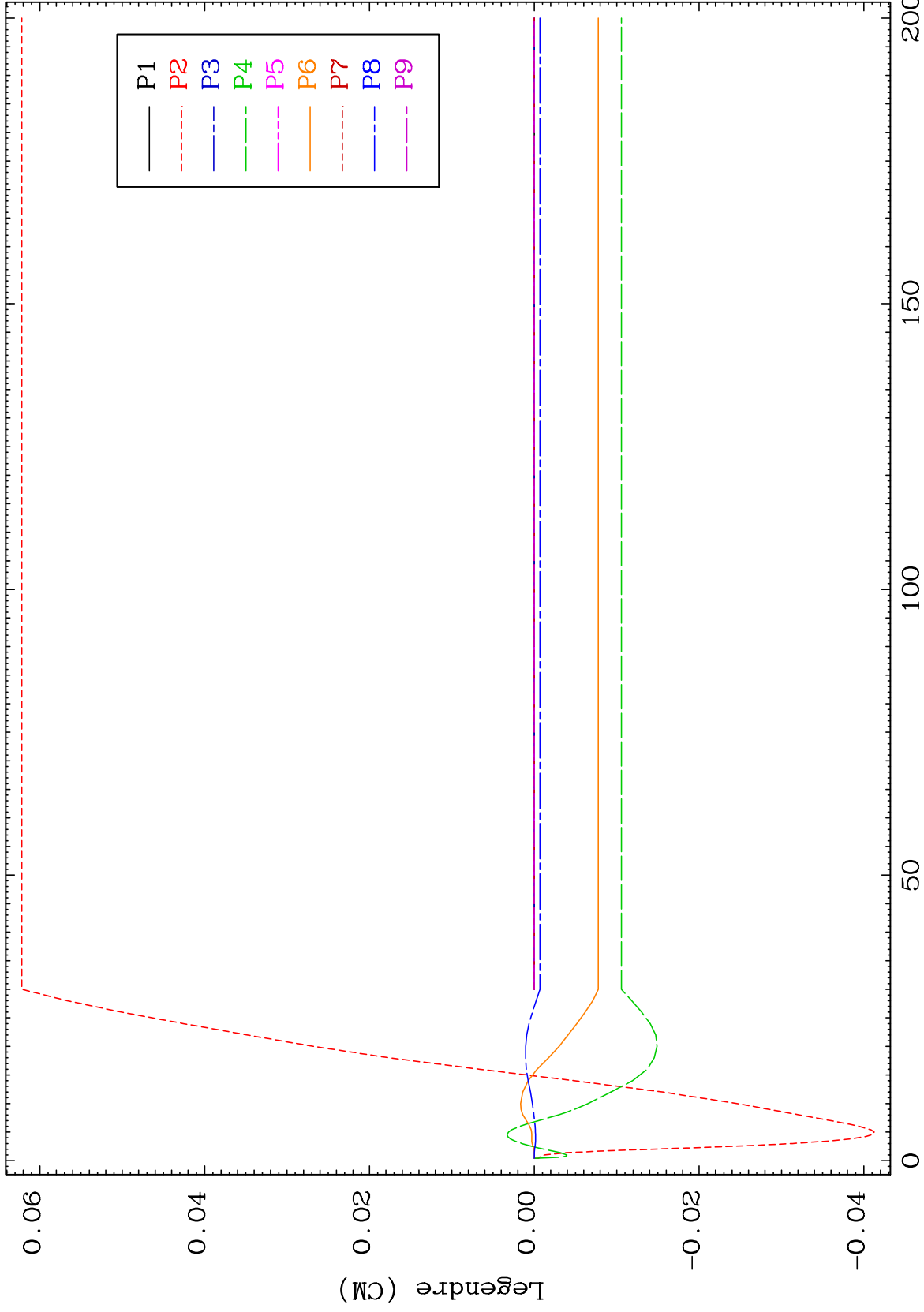
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



44

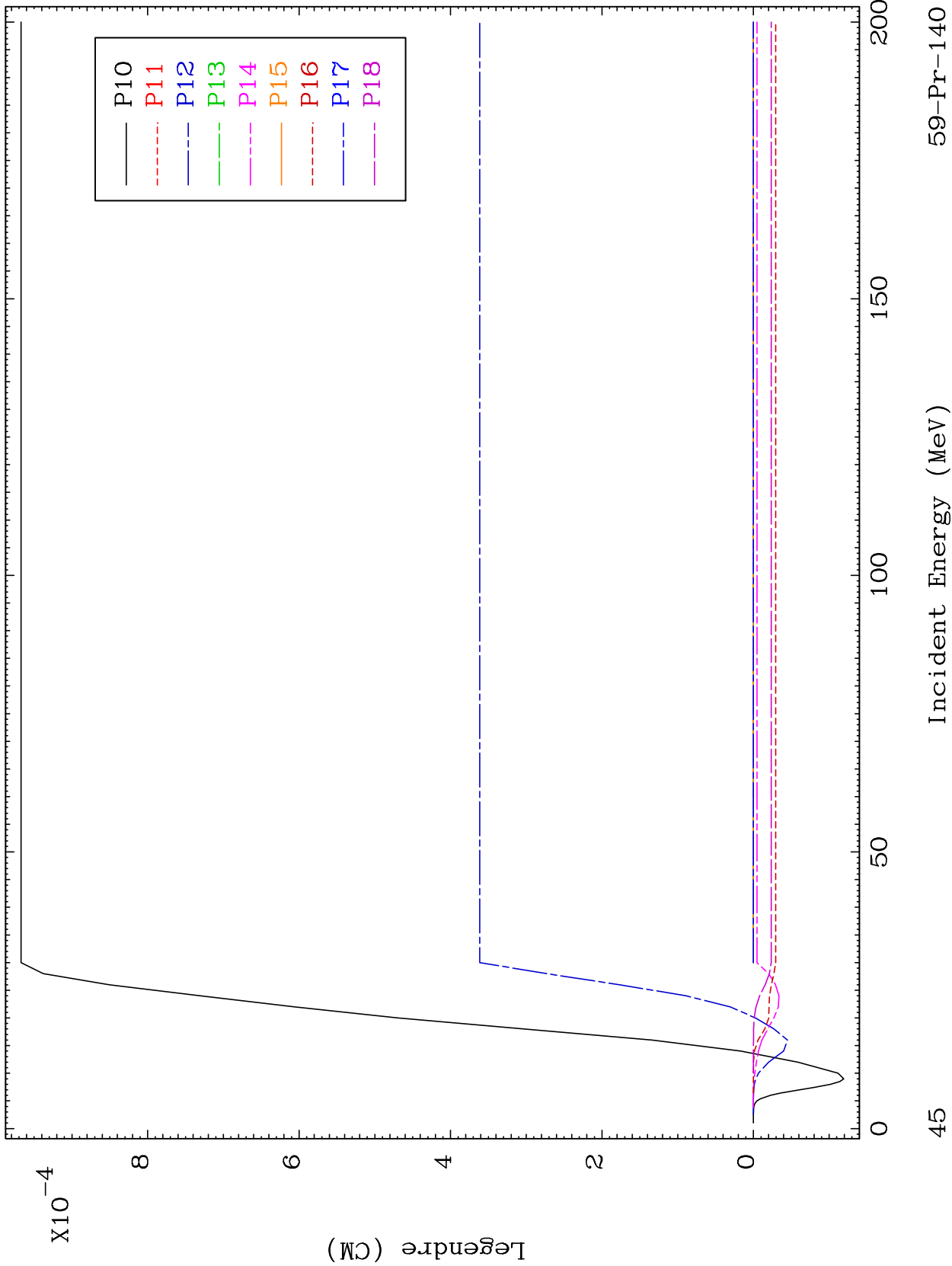
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

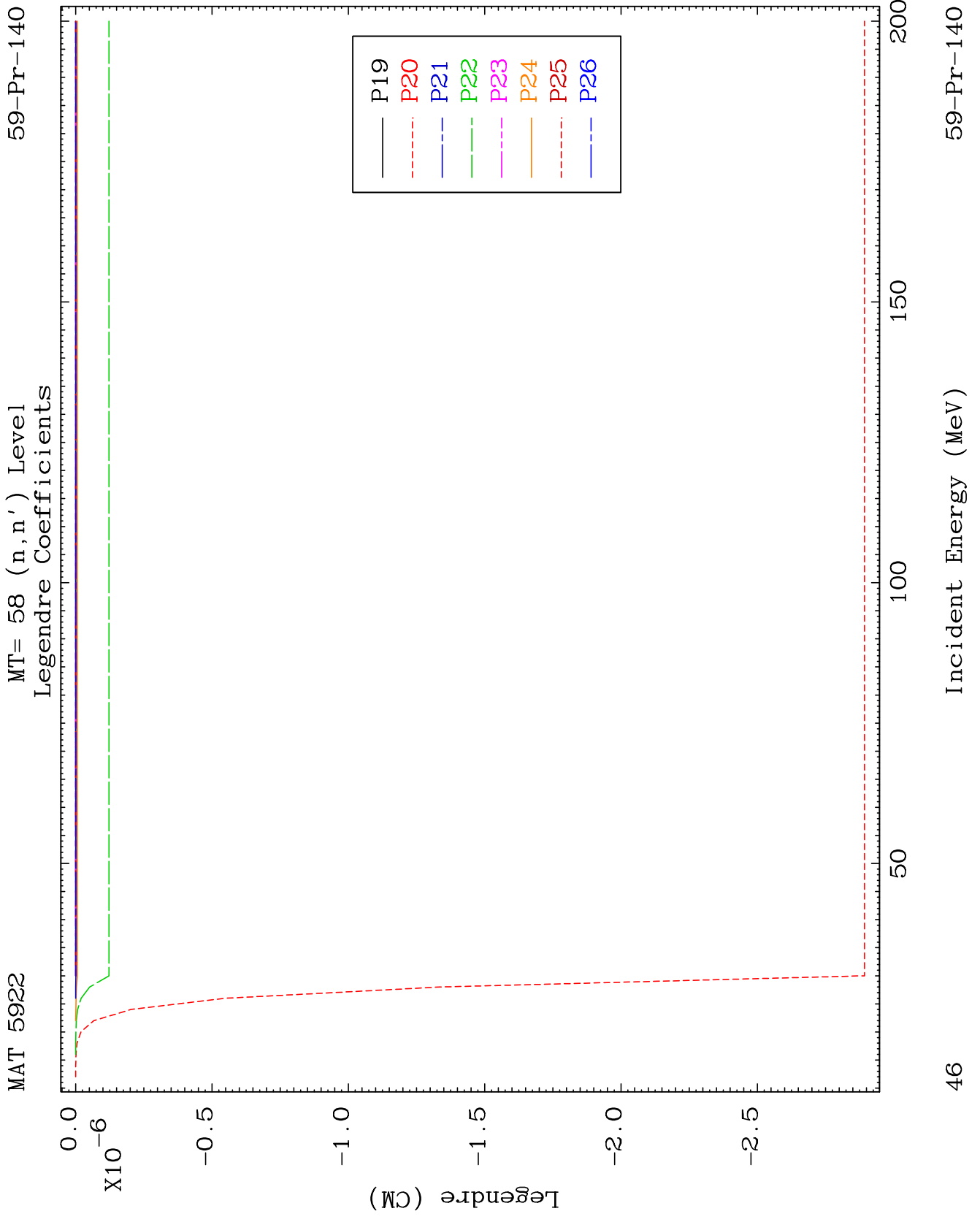
59-Pr-140

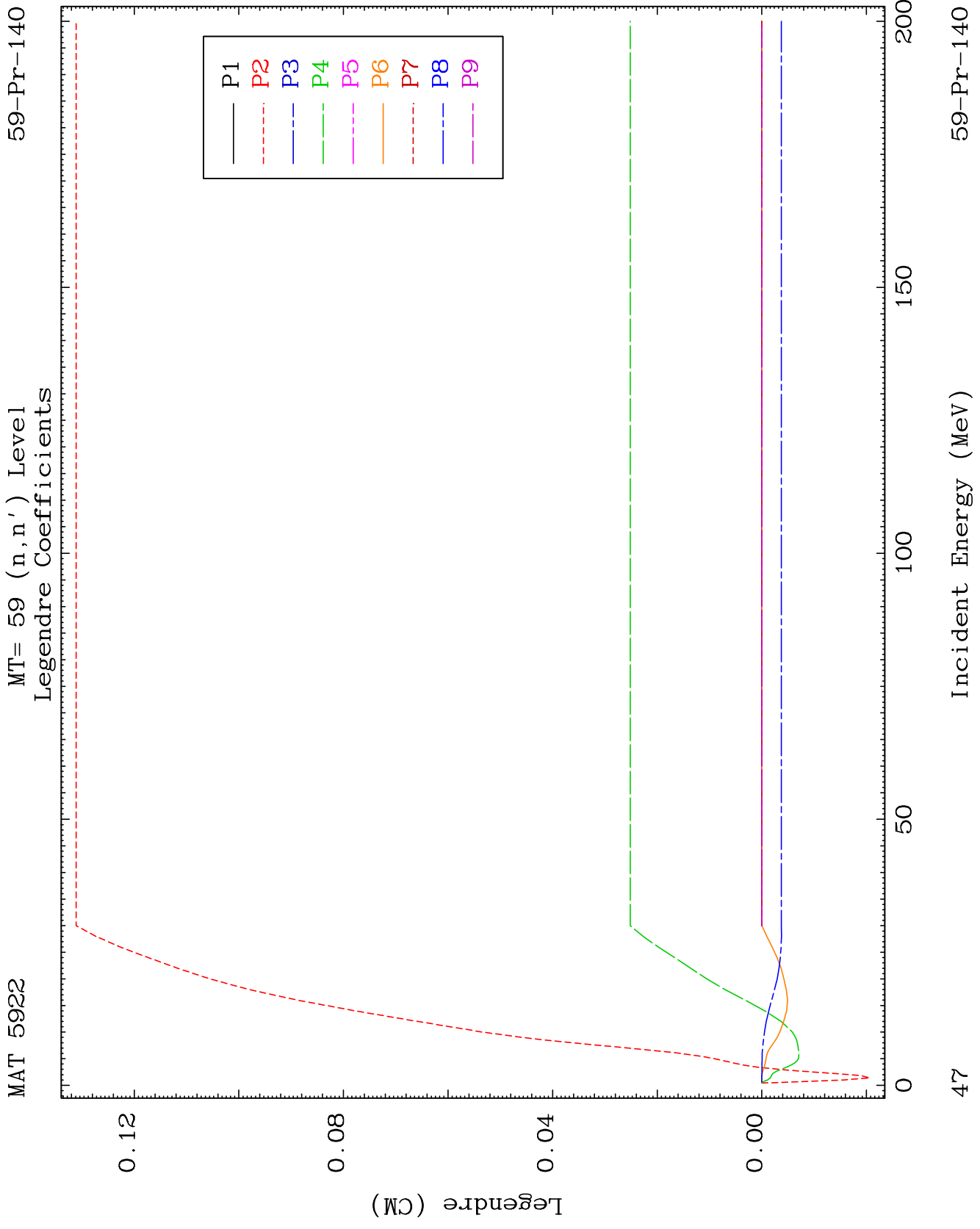


59-Pr-140

Incident Energy (MeV)

45

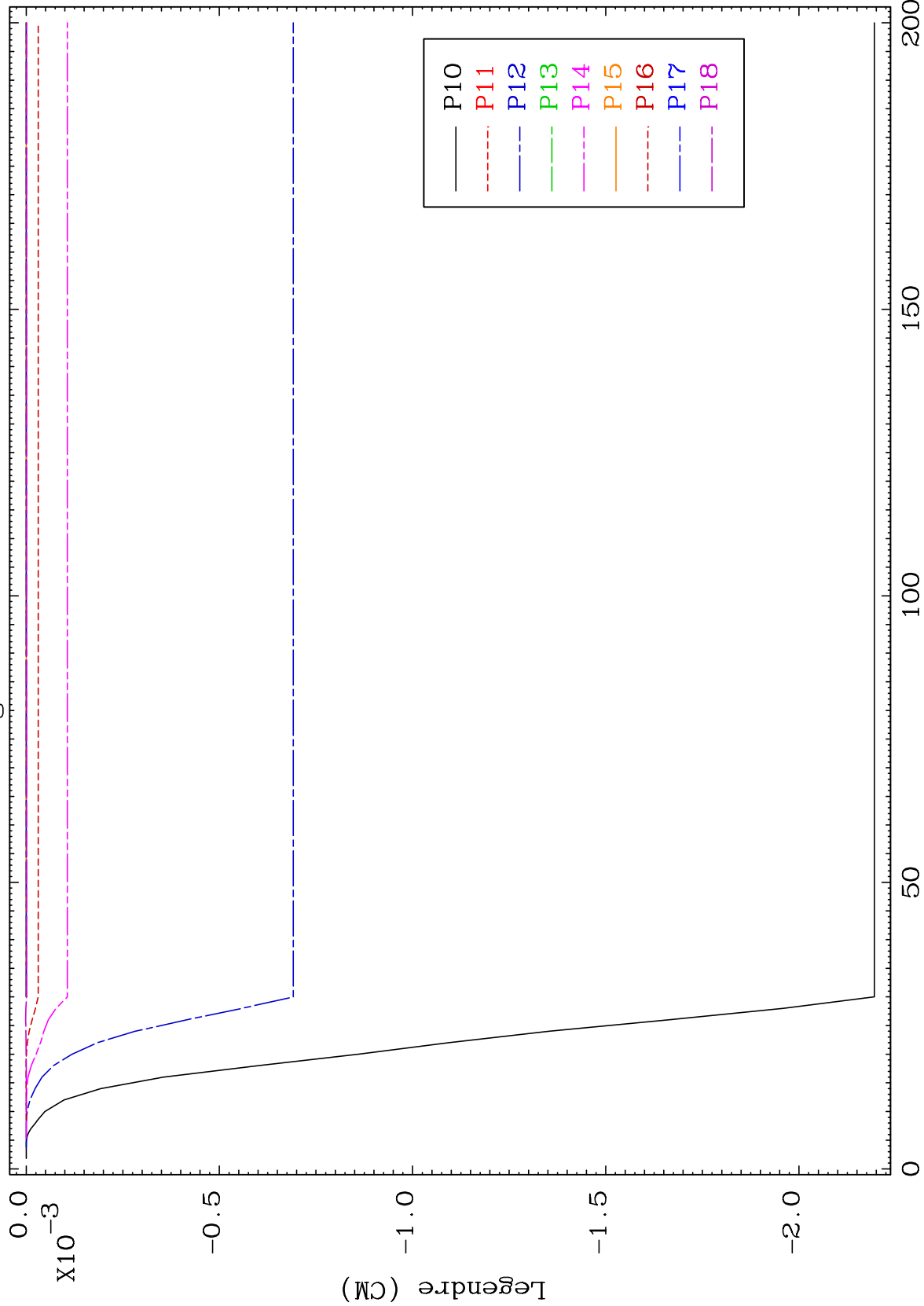




MAT 5922

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

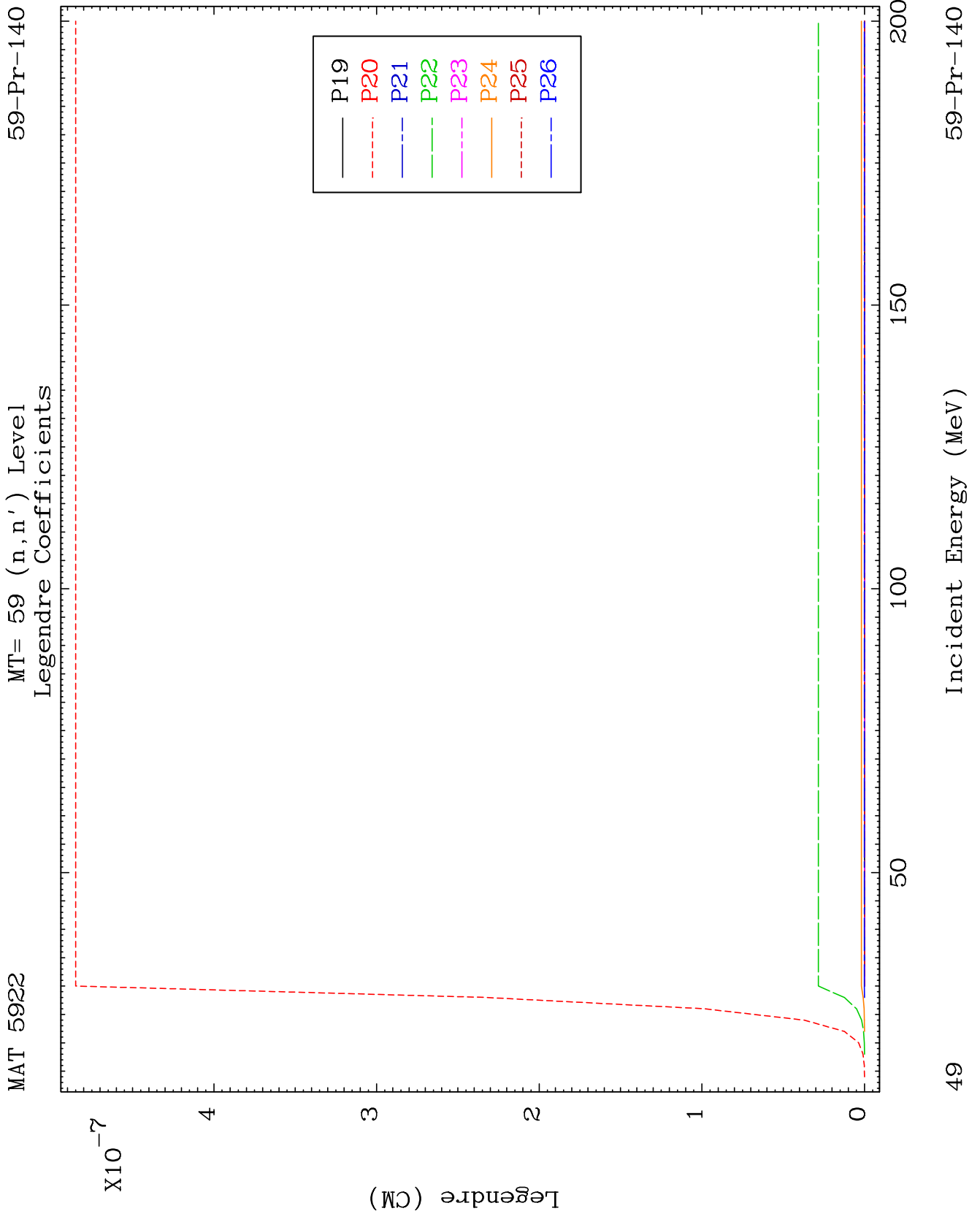
59-Pr-140



48

Incident Energy (MeV)

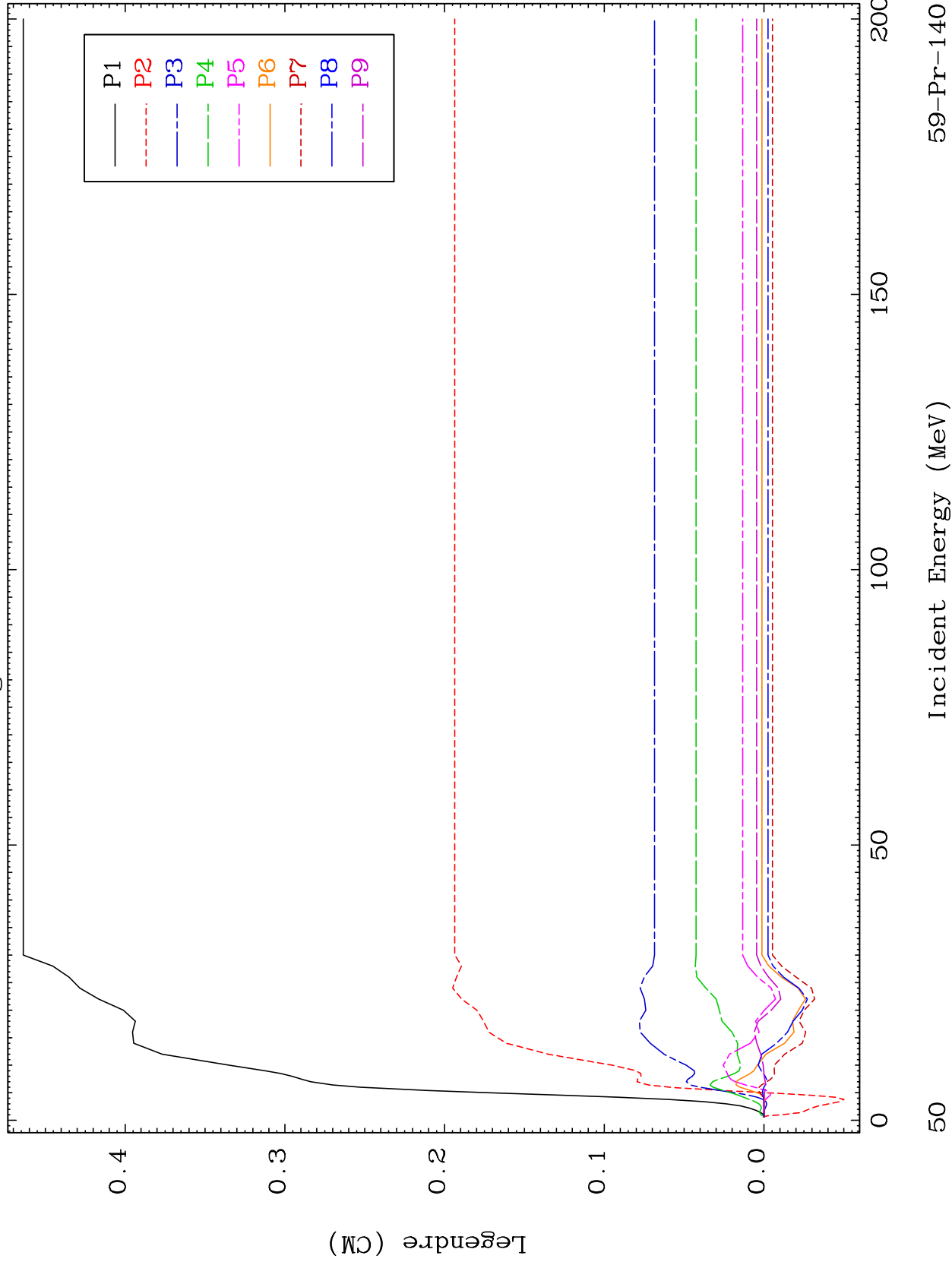
59-Pr-140



MAT 5922

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

59-Pr-140

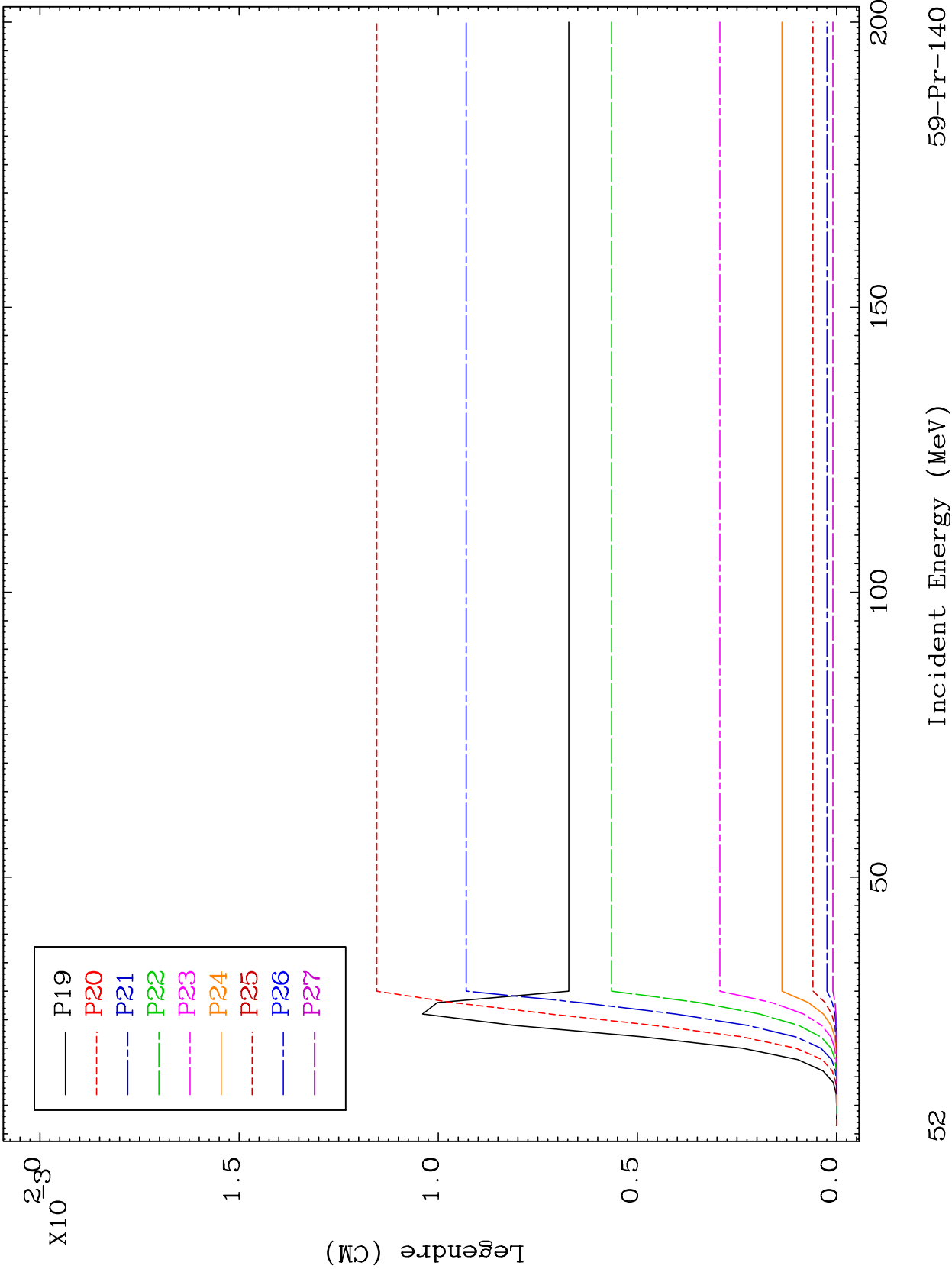


59-Pr-140

MAT 5922

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

59-Pr-140



52

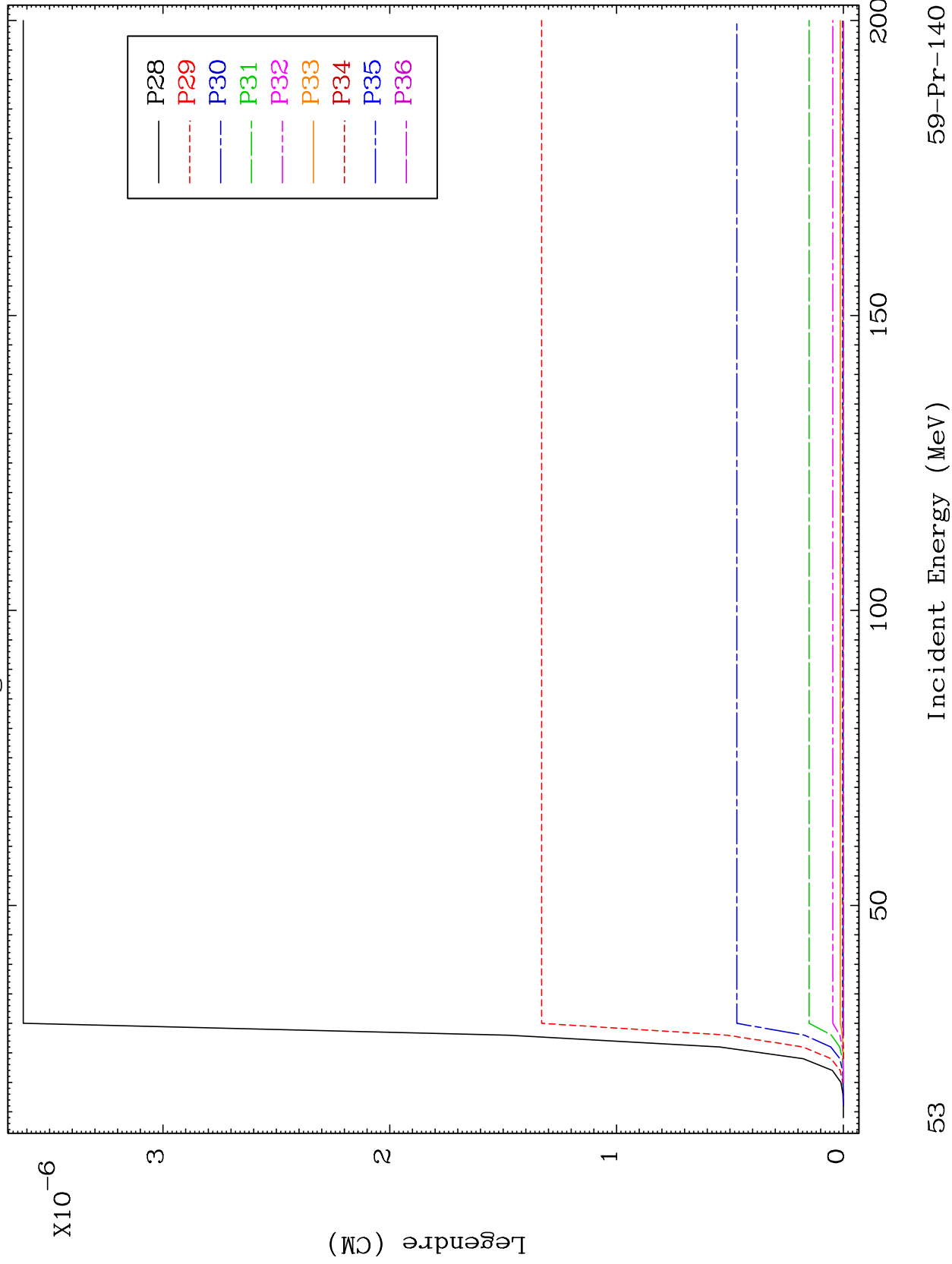
Incident Energy (MeV)

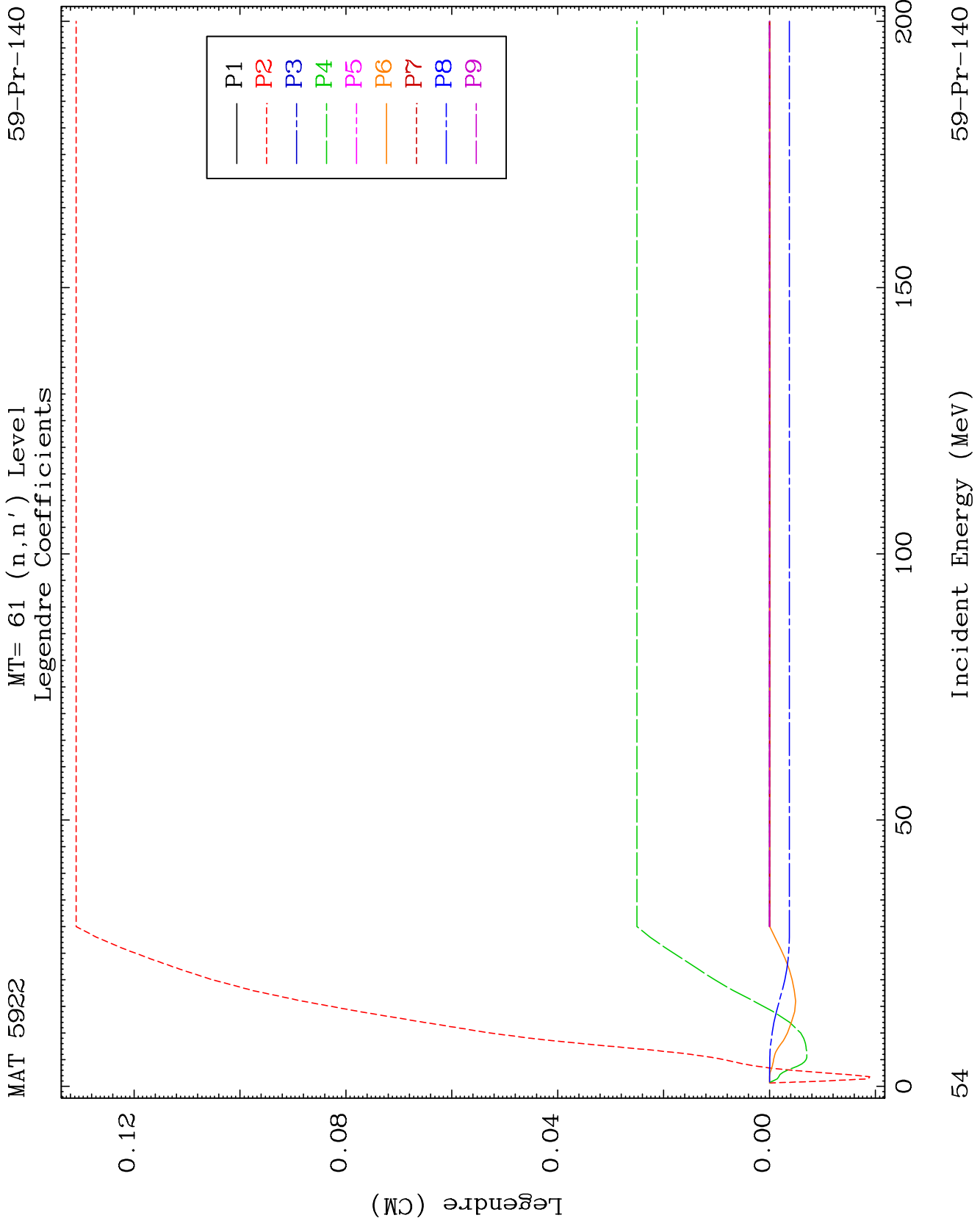
59-Pr-140

MAT 5922

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

59-Pr-140

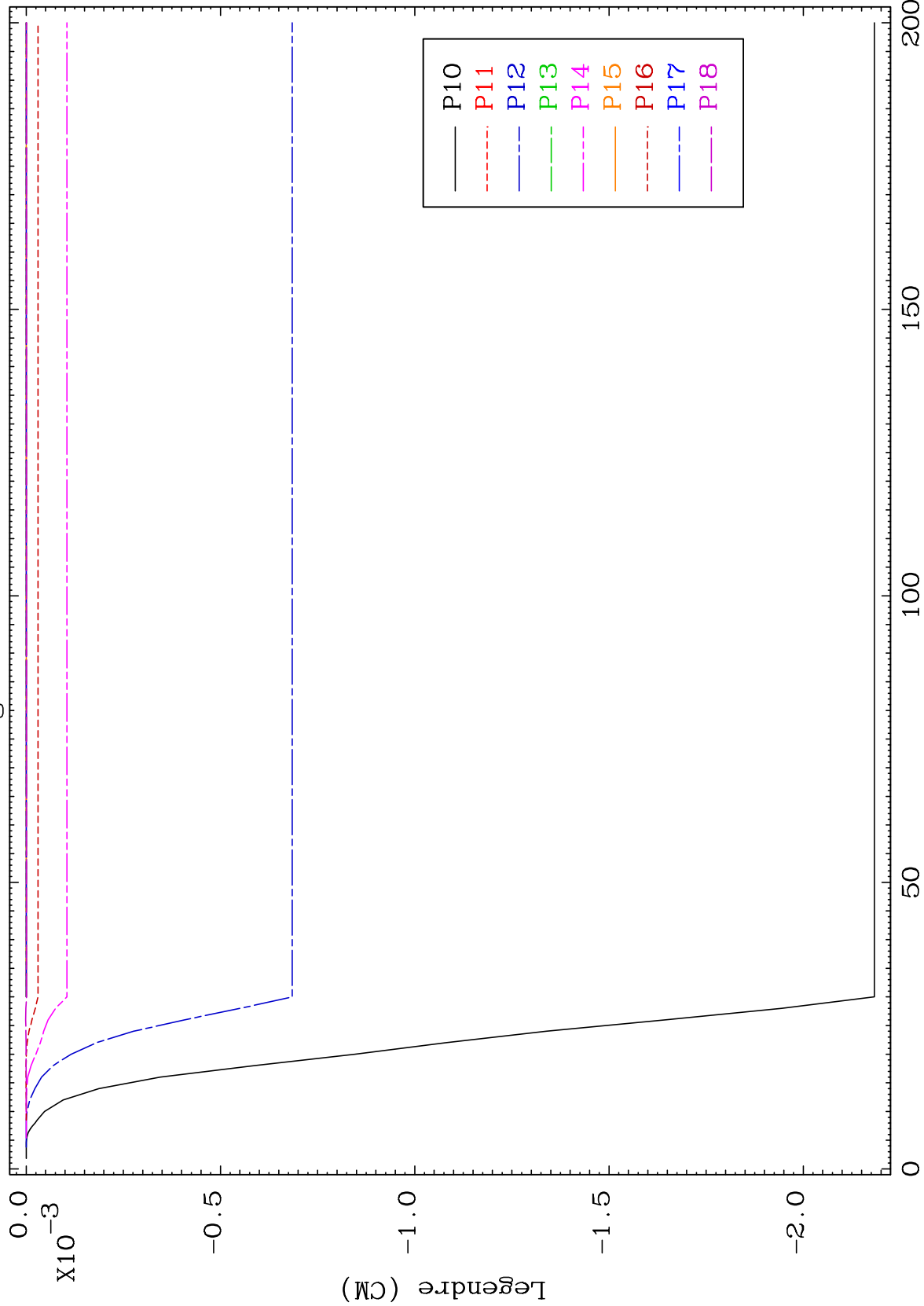




MAT 5922

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

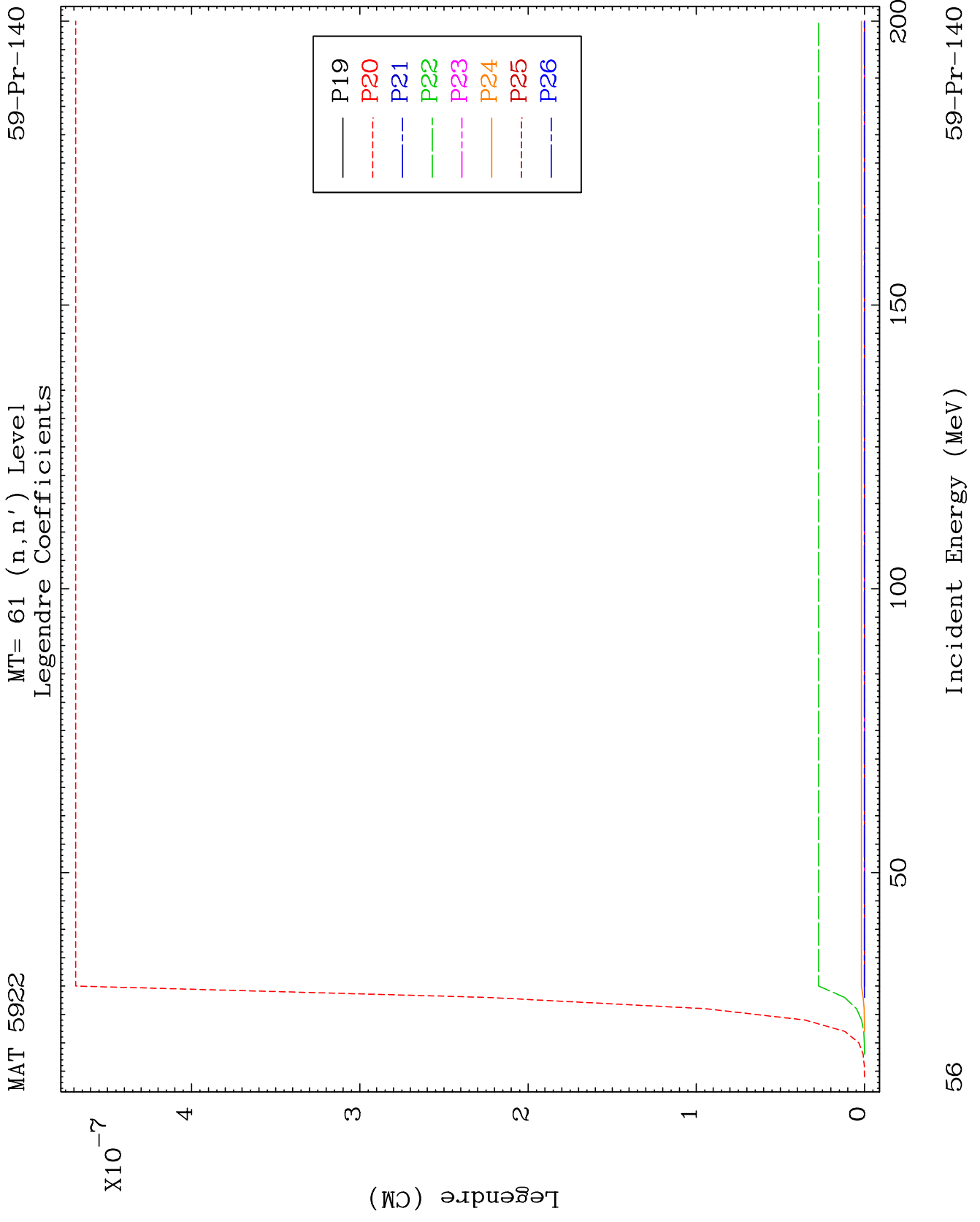
59-Pr-140



55

Incident Energy (MeV)

59-Pr-140

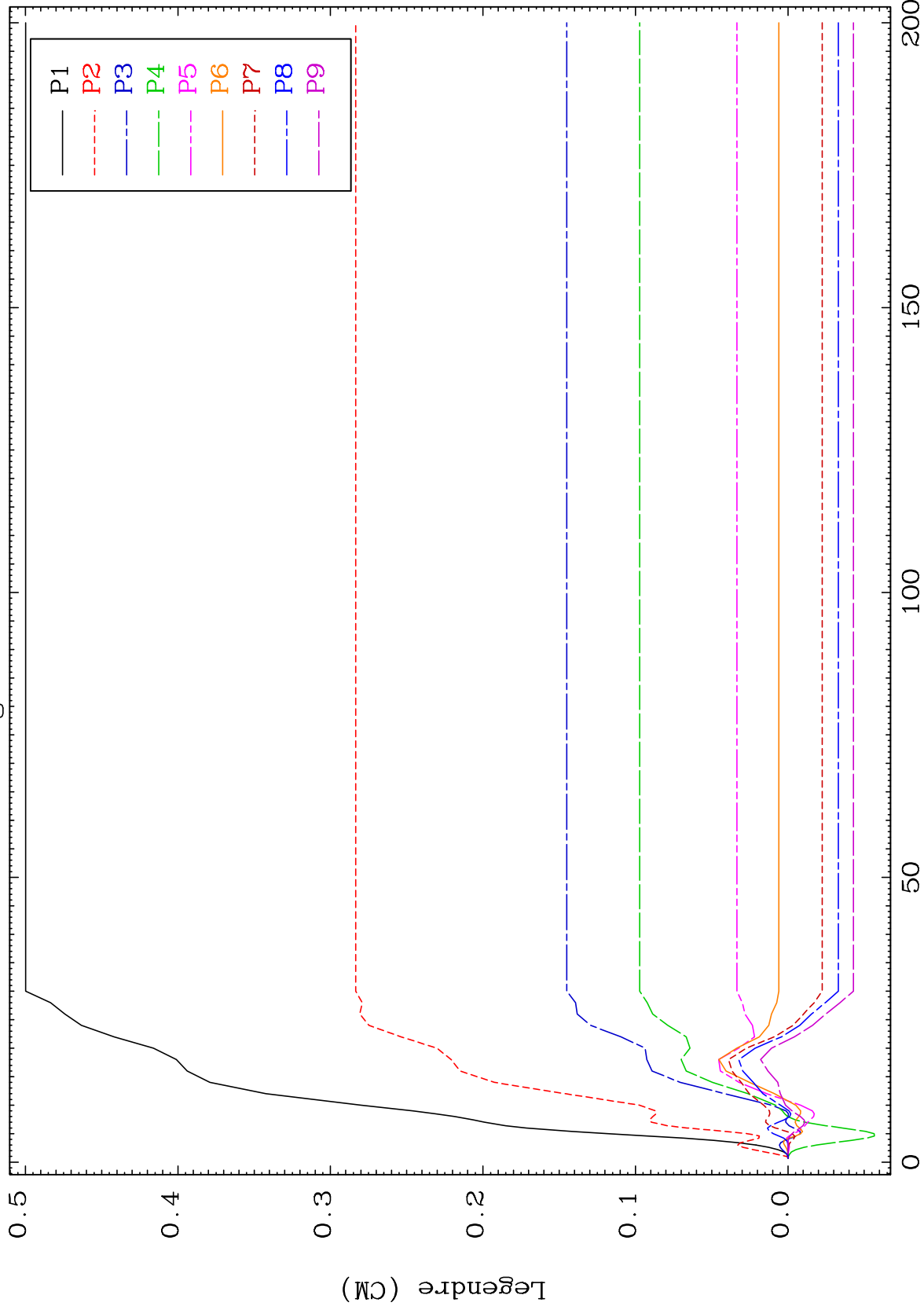


MAT 5922

MT= 62 (n,n') Level

59-Pr-140

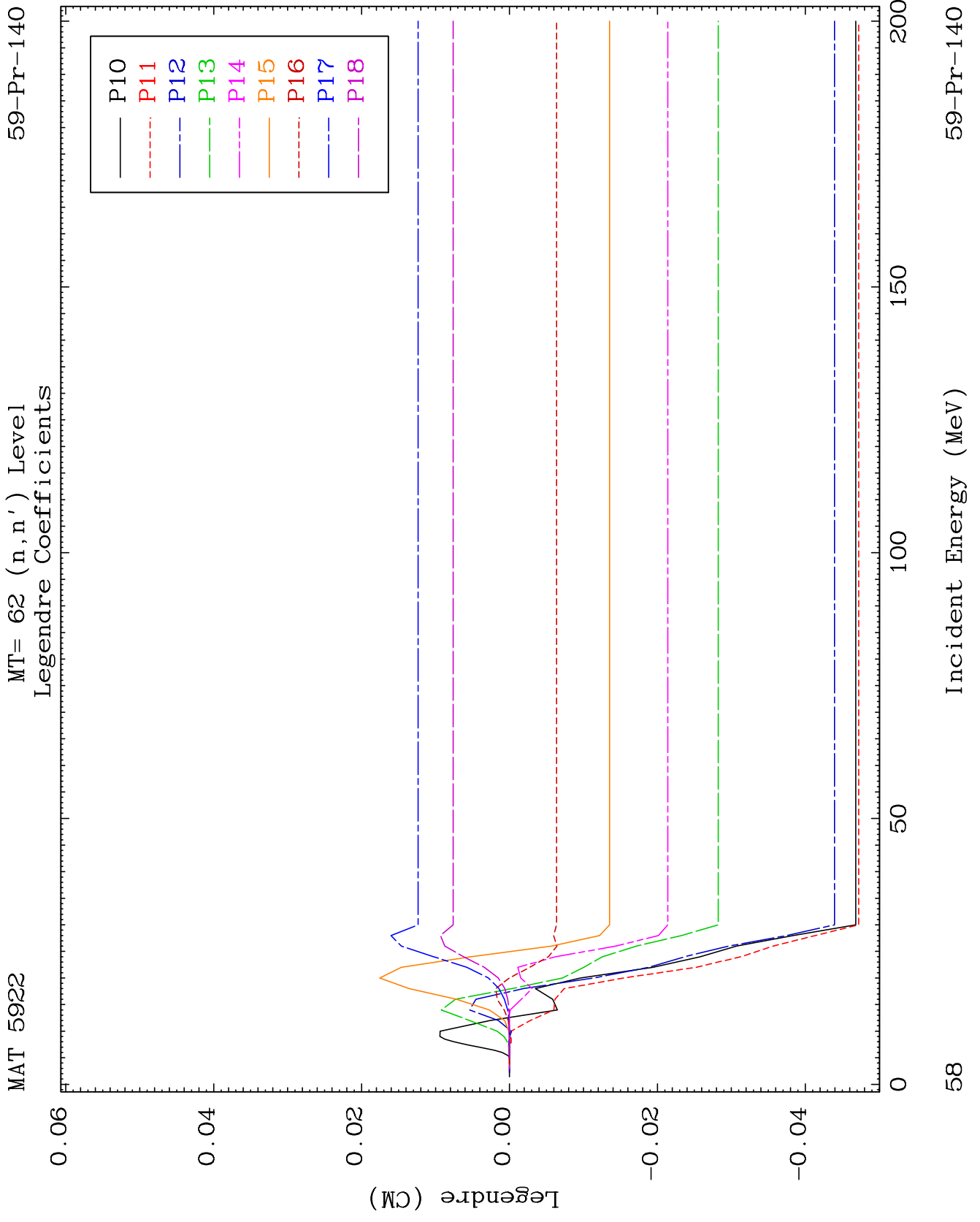
Legendre Coefficients



57

Incident Energy (MeV)

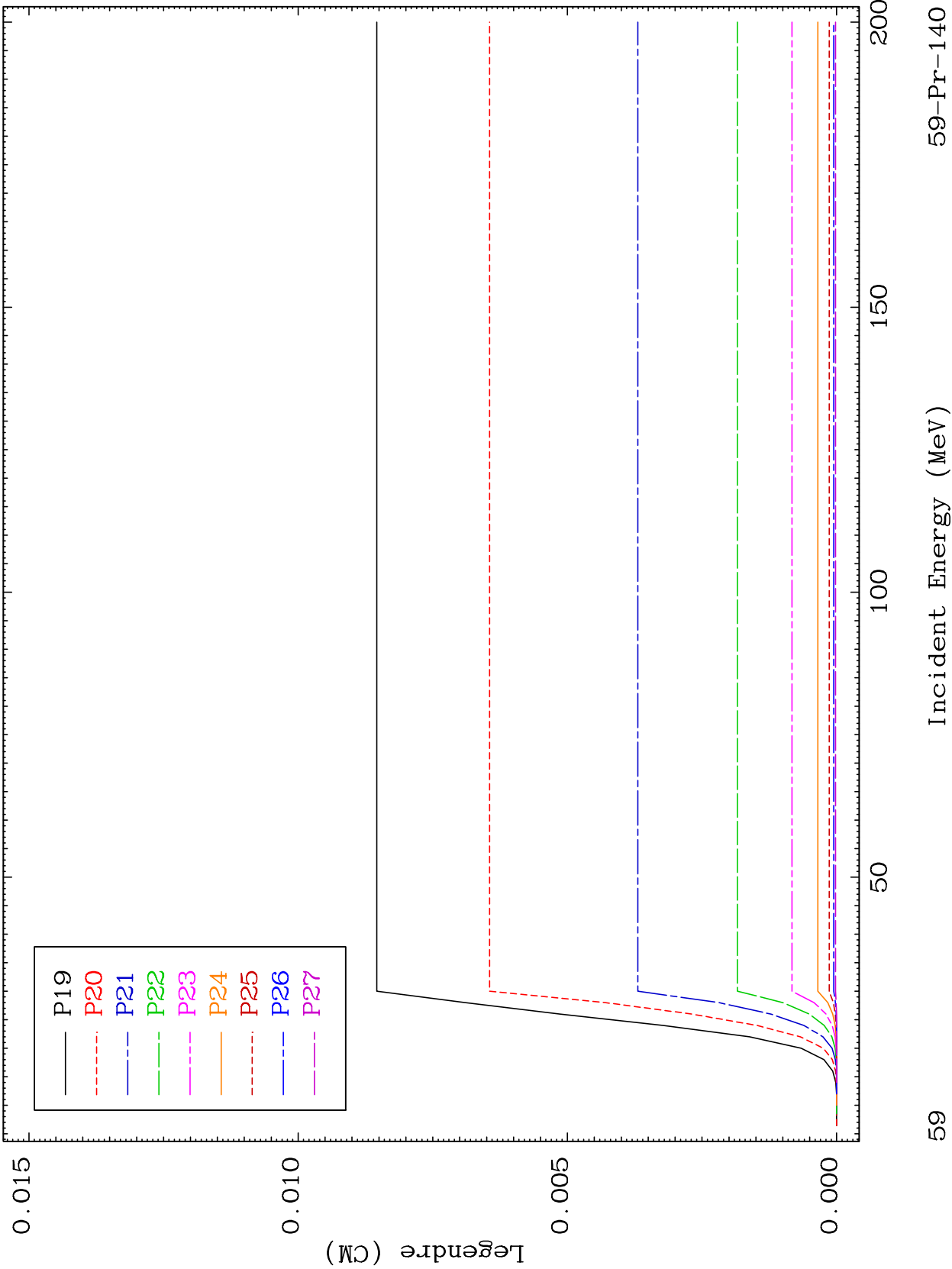
59-Pr-140



MAT 5922

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

59-Pr-140



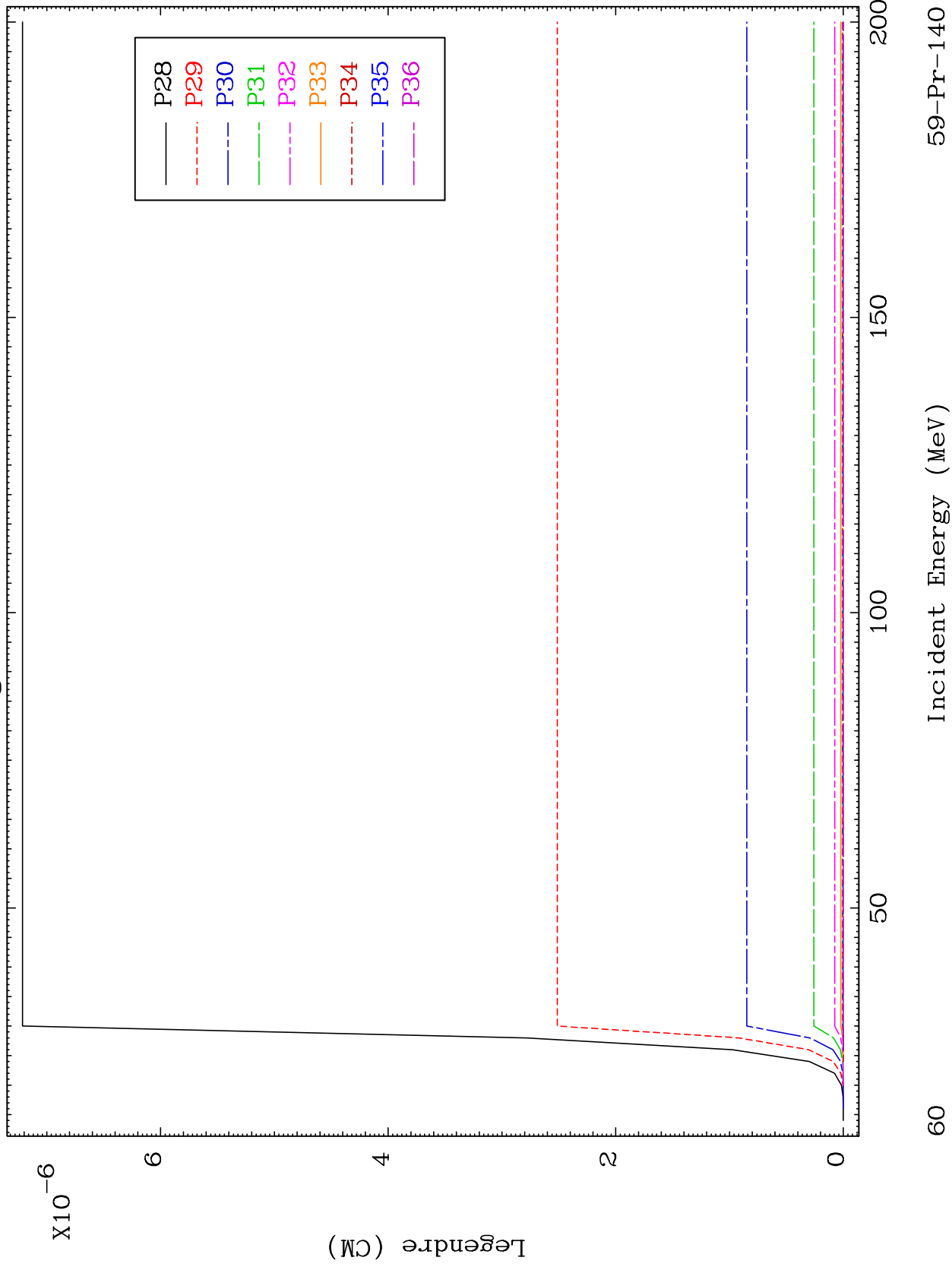
59

59-Pr-140

MAT 5922

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

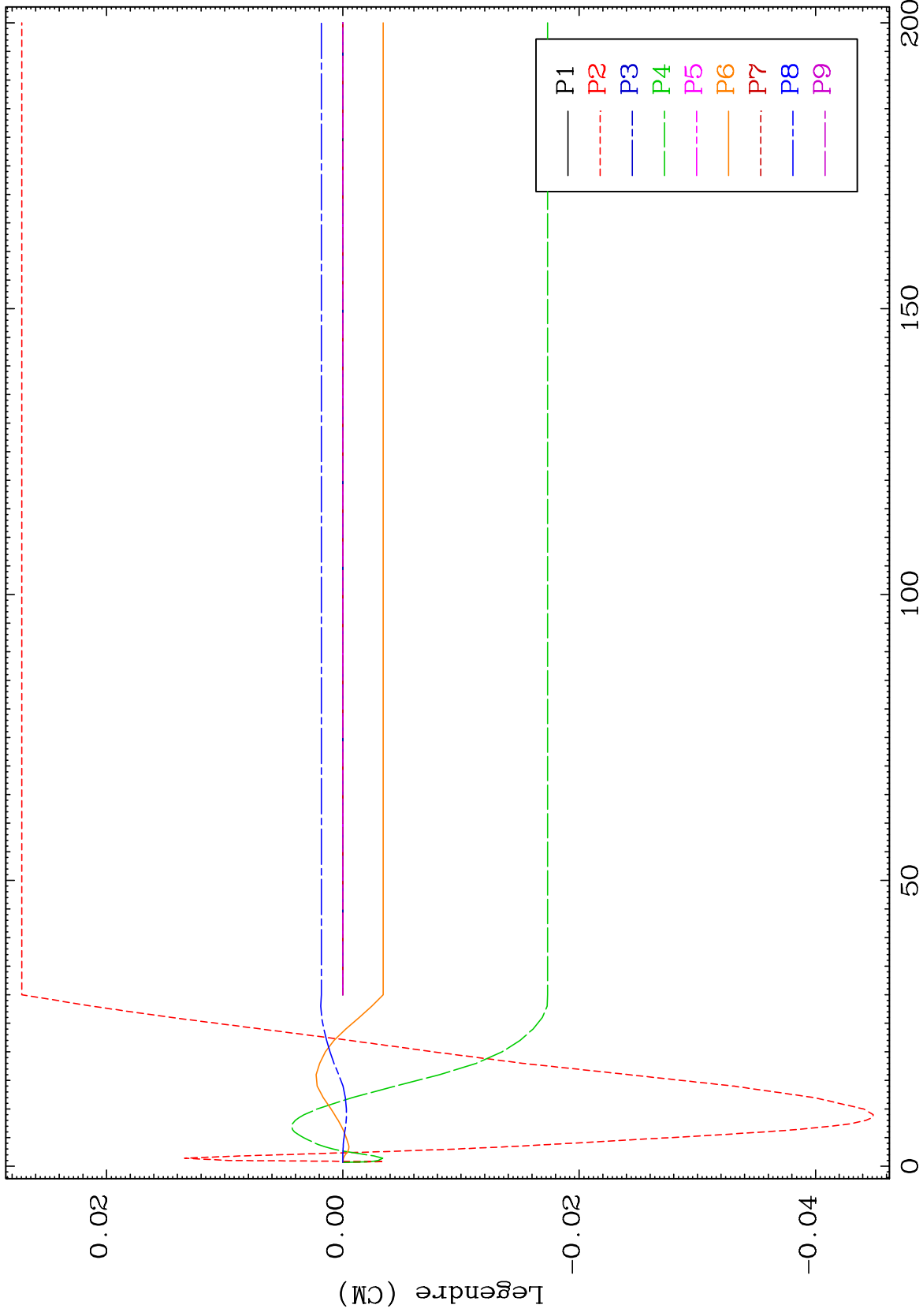
59-Pr-140



MAT 5922

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

59-Pr-140



61

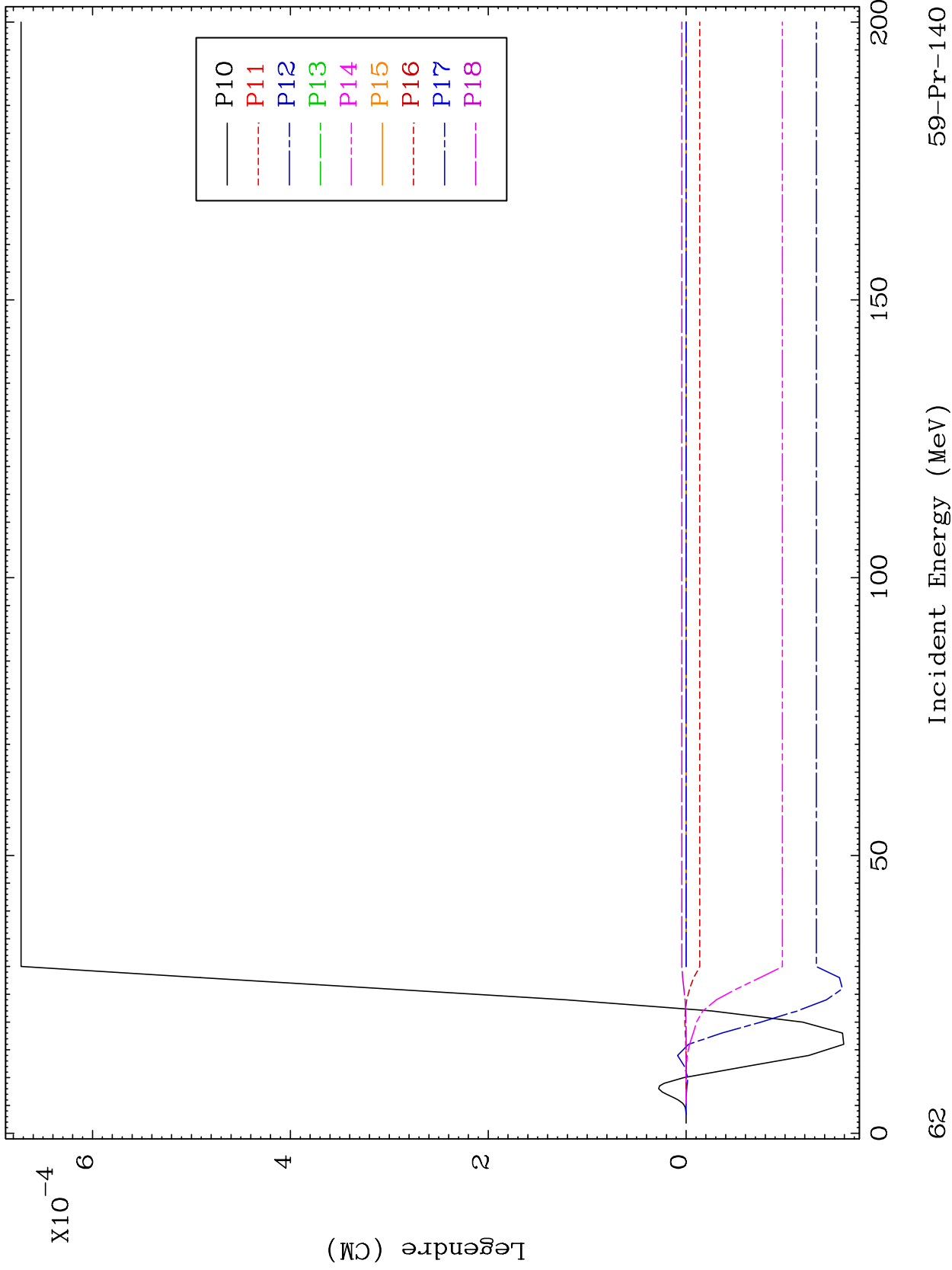
Incident Energy (MeV)

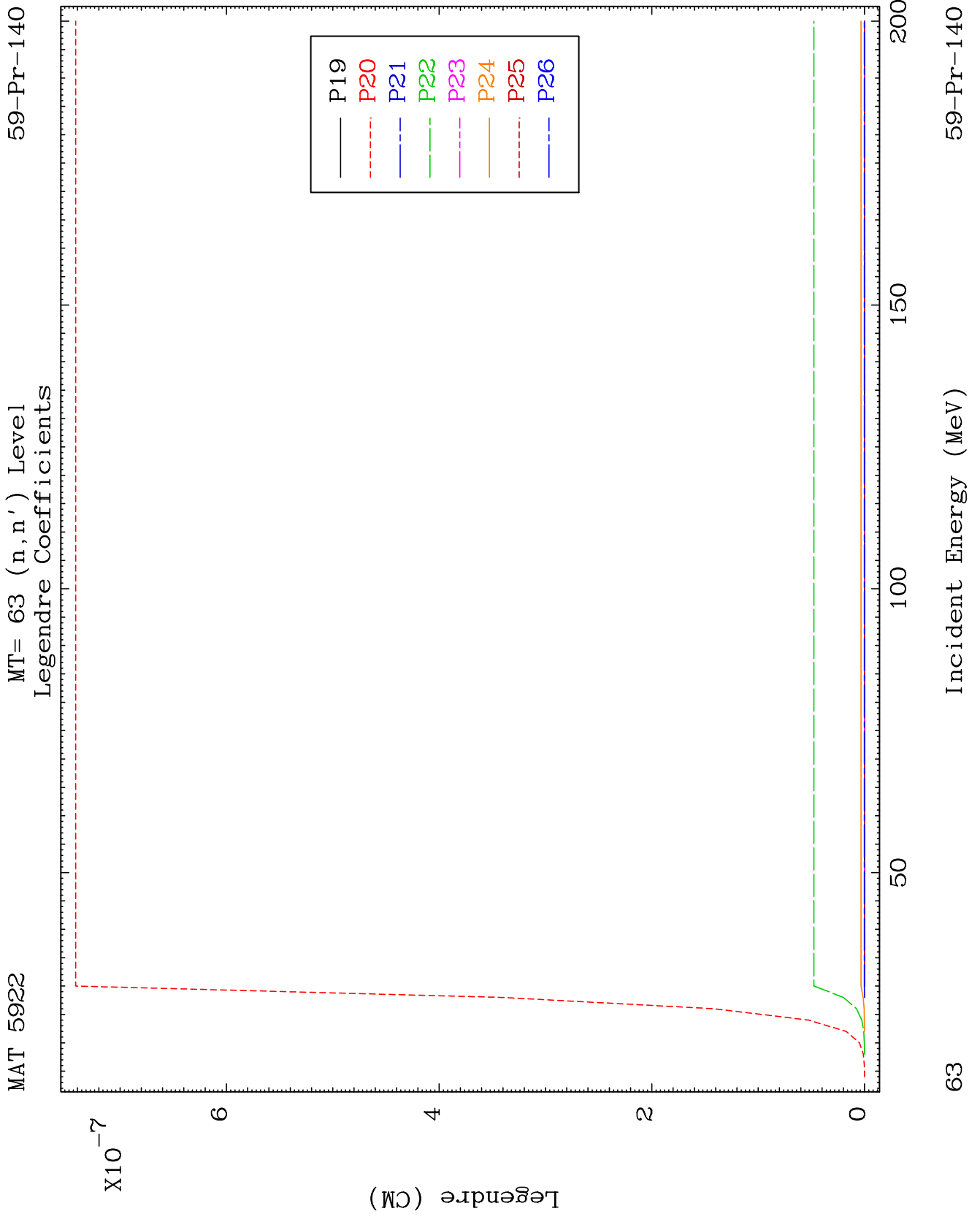
59-Pr-140

MAT 5922

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

59-Pr-140

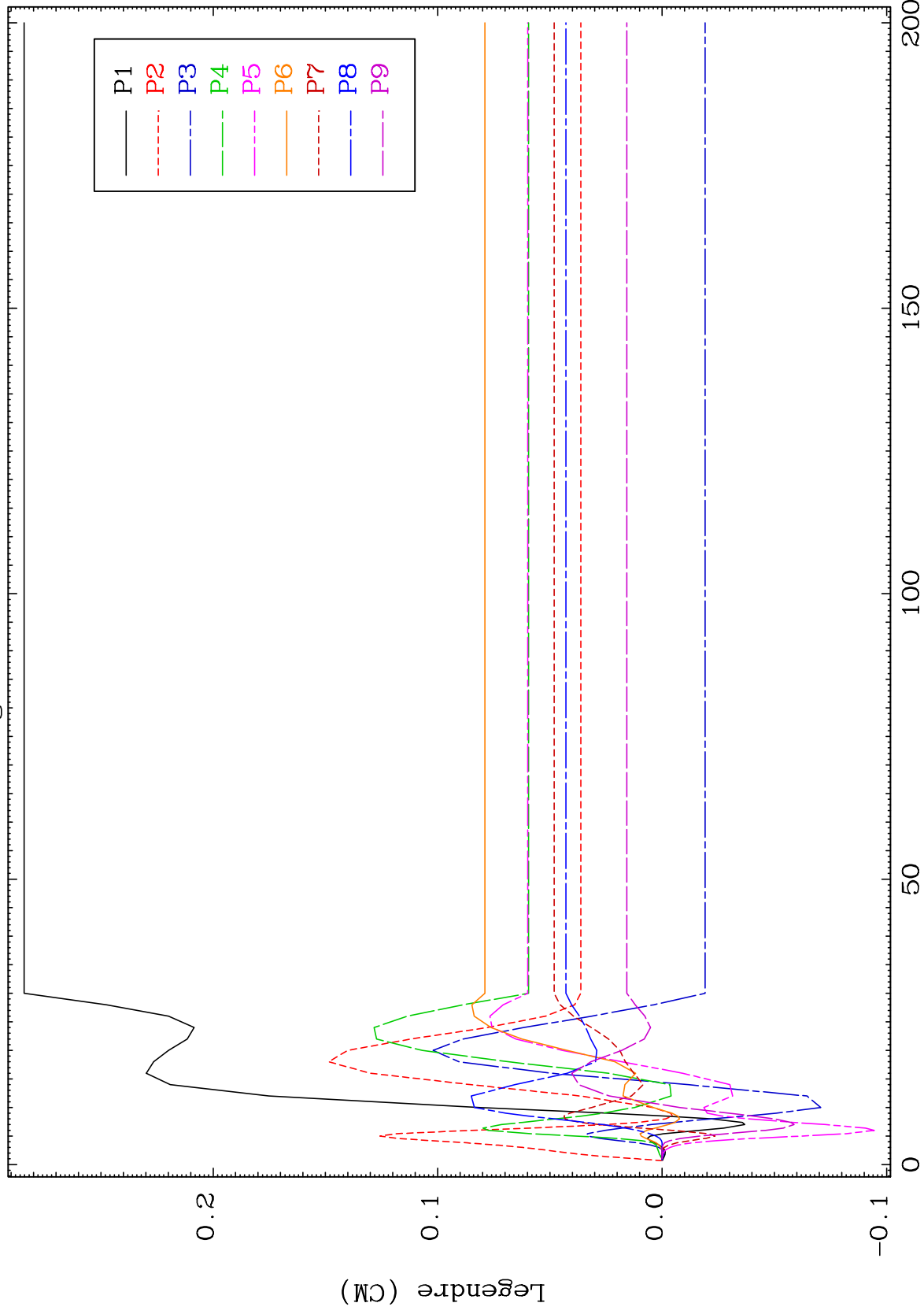




MAT 5922

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

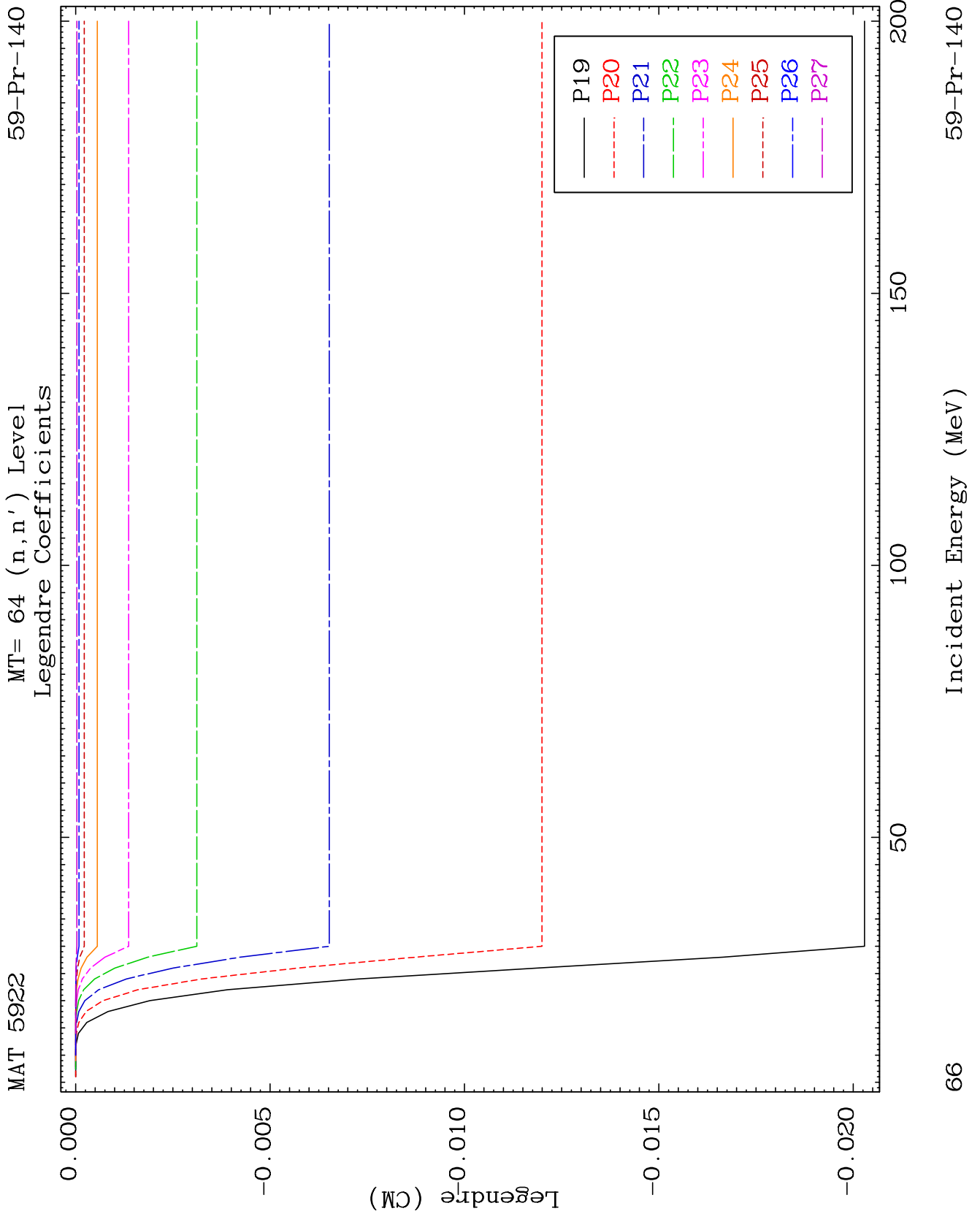
59-Pr-140

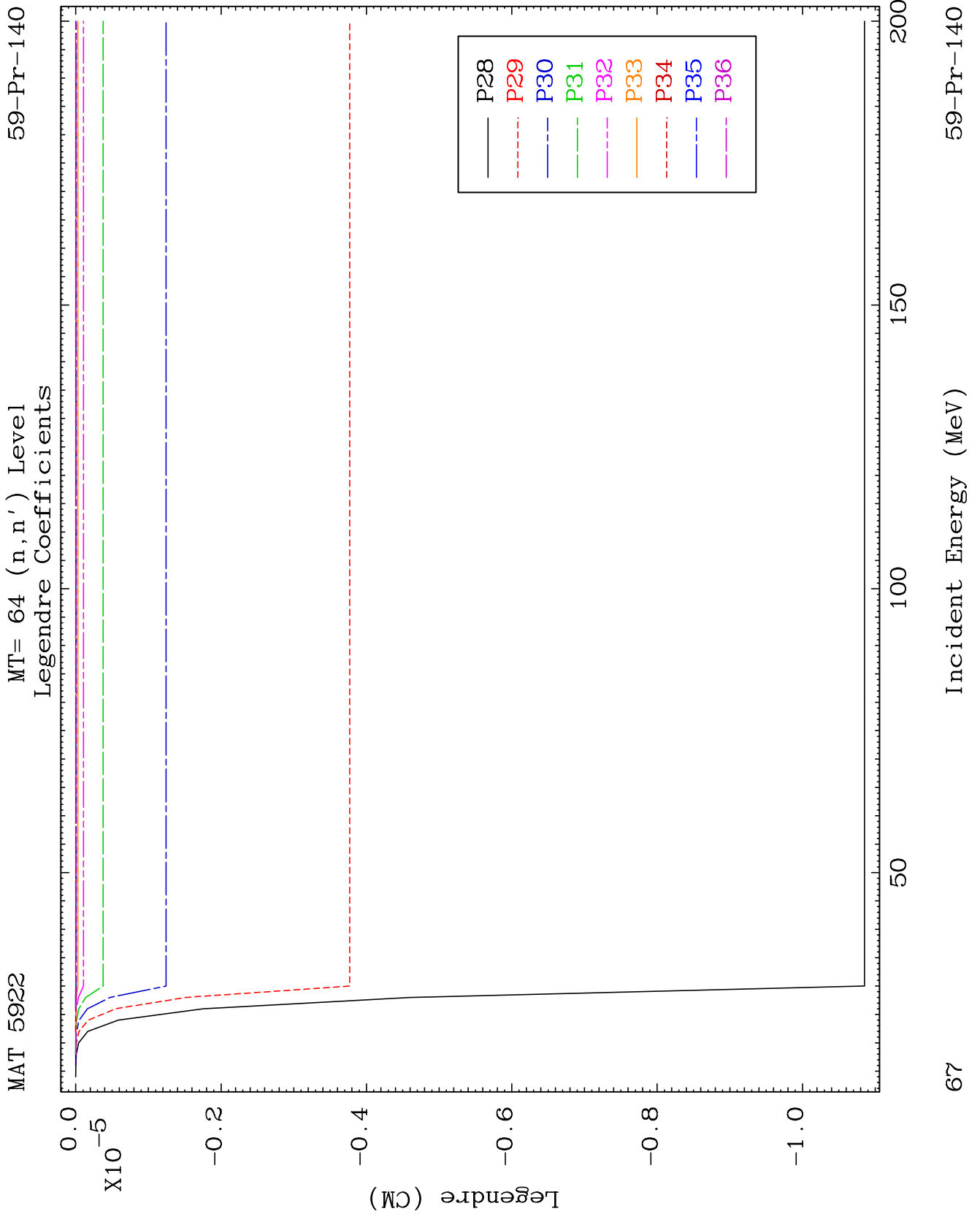


64

Incident Energy (MeV)

59-Pr-140

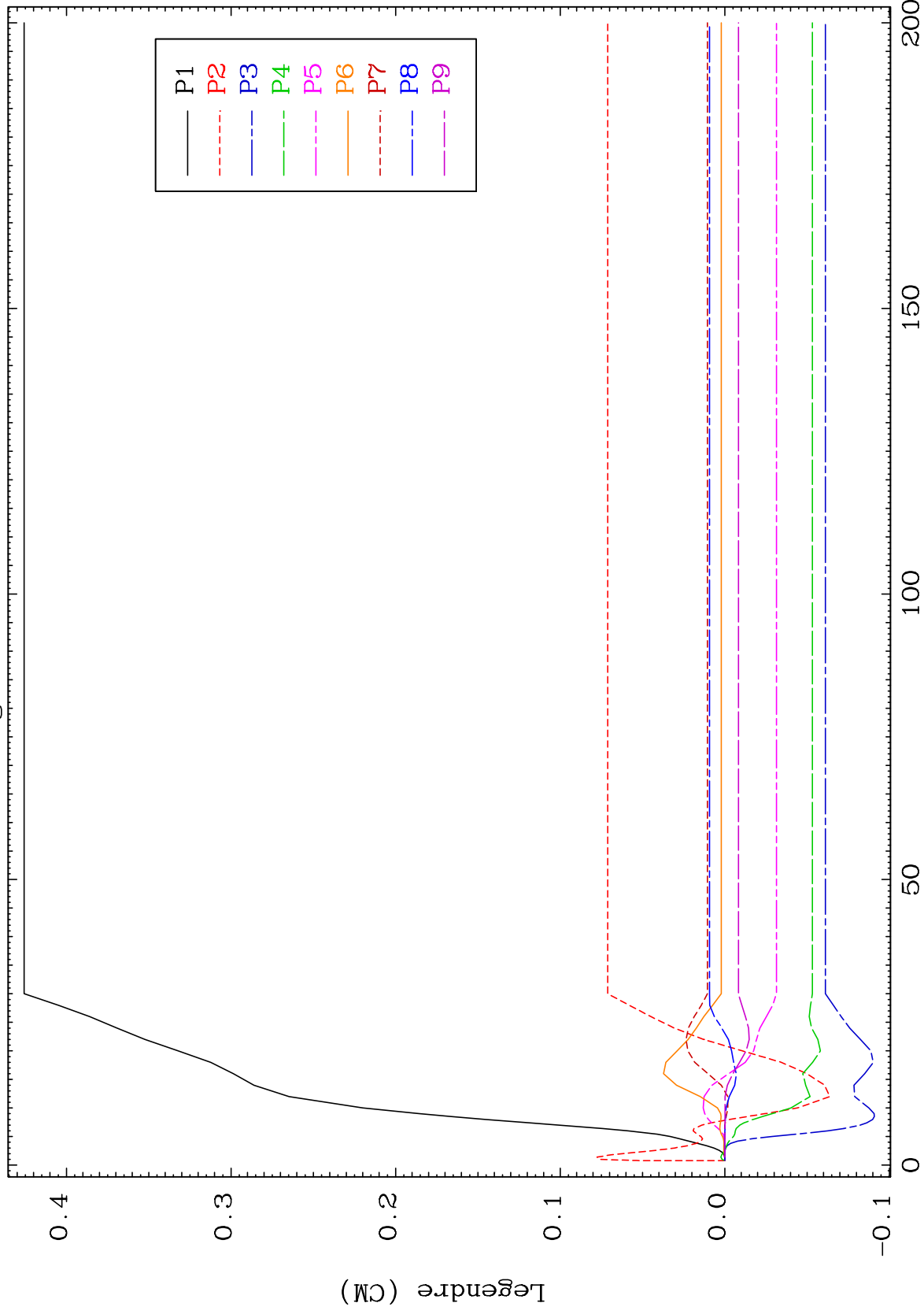




MAT 5922

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

59-Pr-140



59-Pr-140

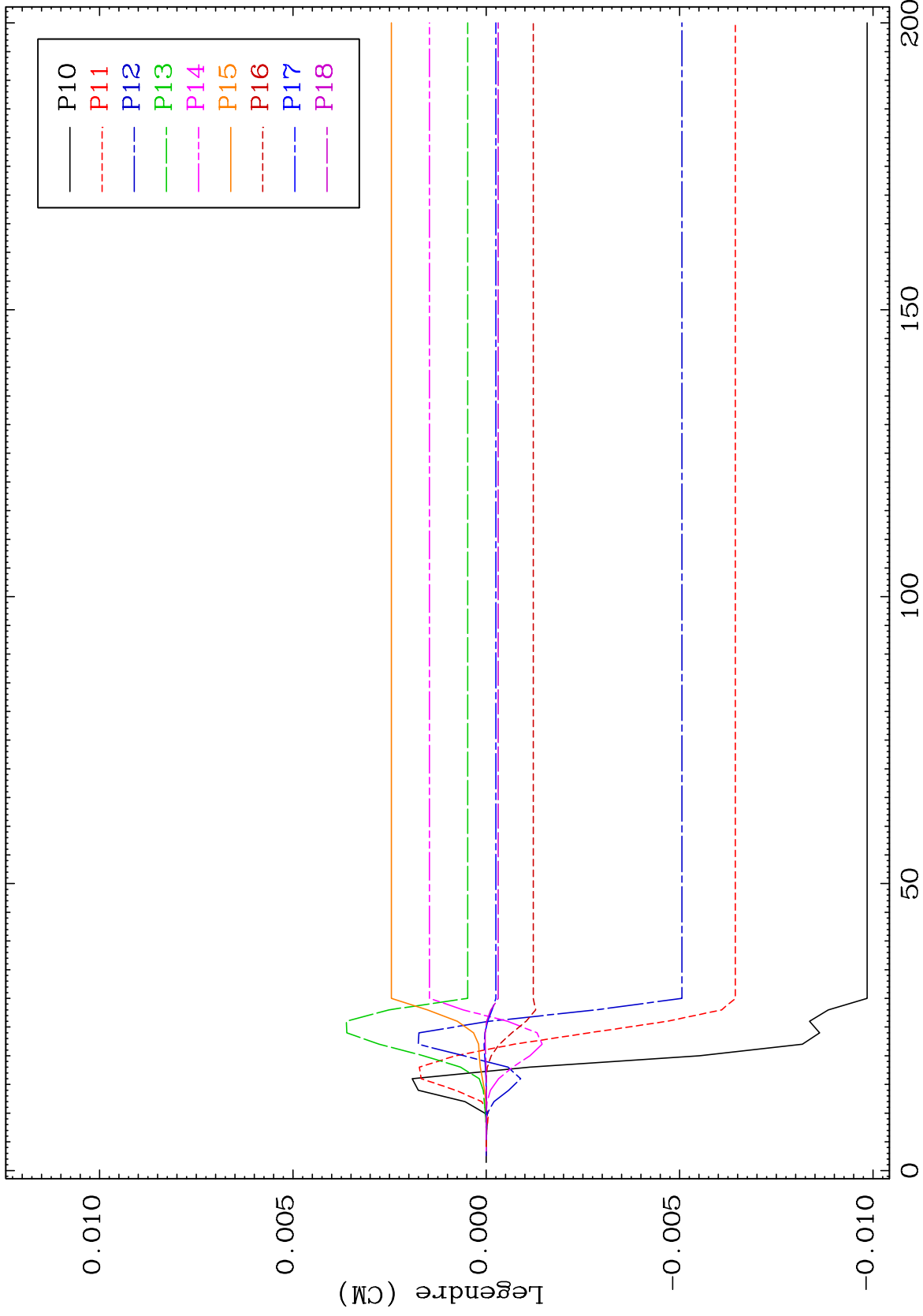
Incident Energy (MeV)

68

MAT 5922

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

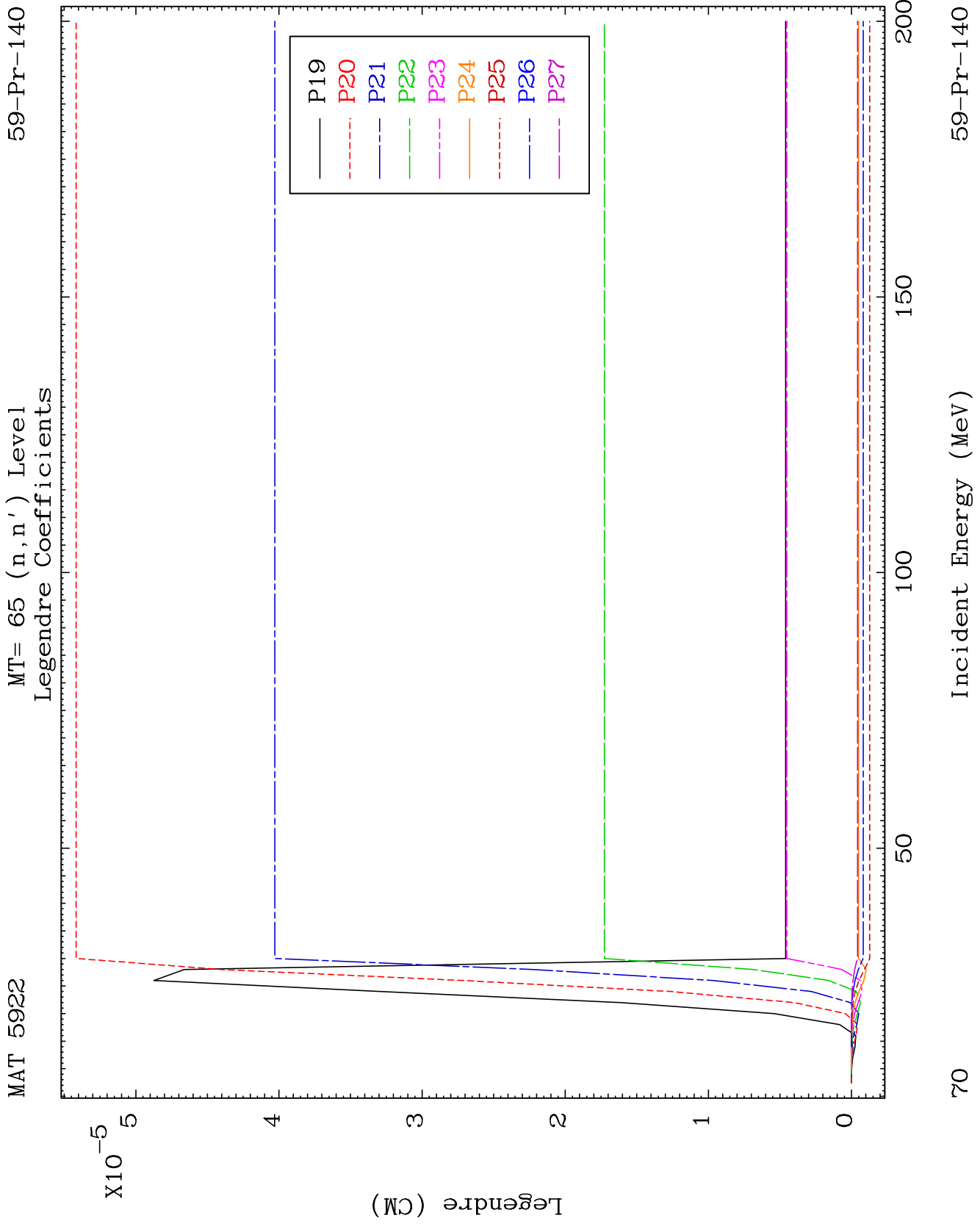
59-Pr-140



69

Incident Energy (MeV)

59-Pr-140

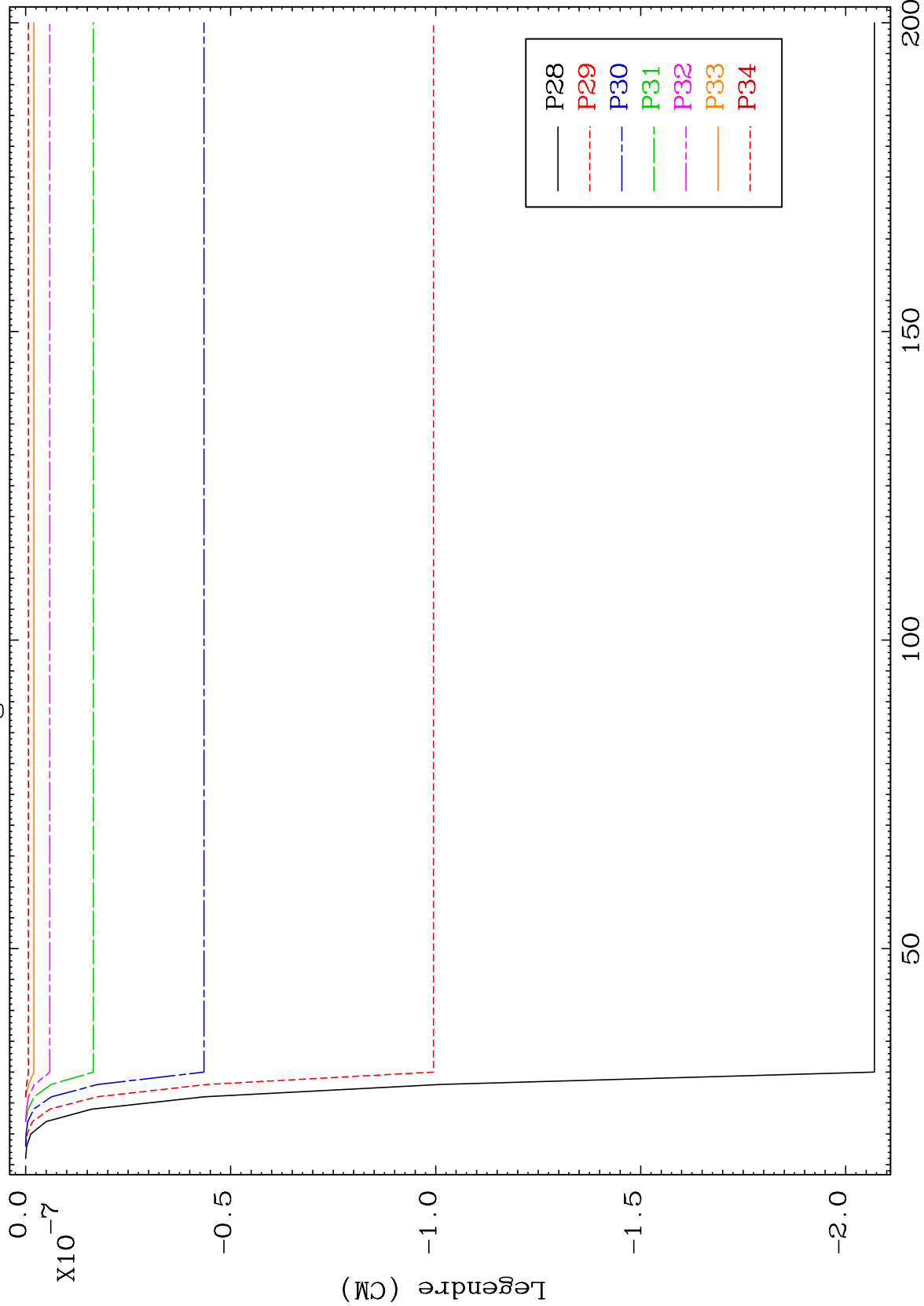


MAT 5922

MT= 65 (n,n') Level

59-Pr-140

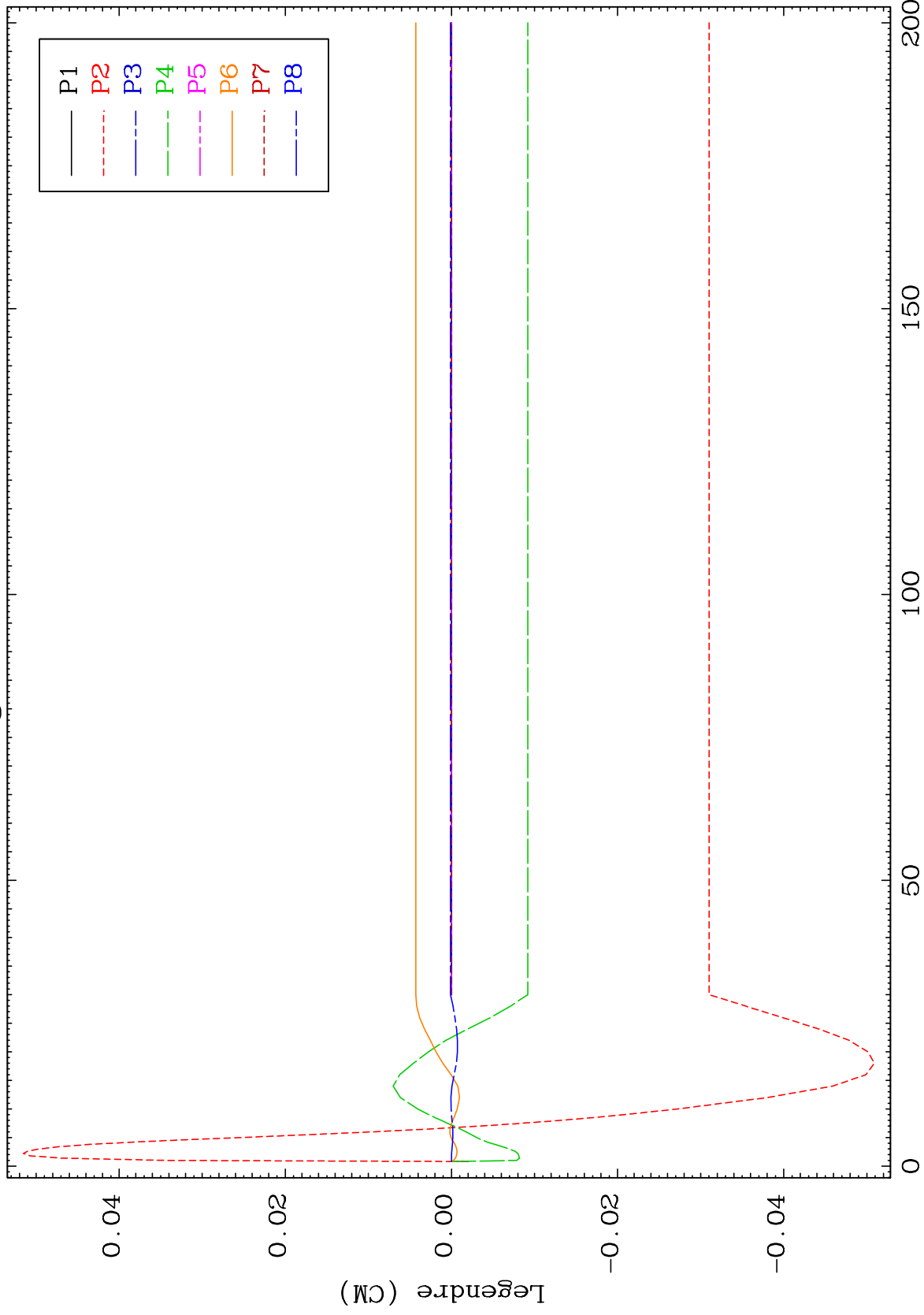
Legendre Coefficients



MAT 5922

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

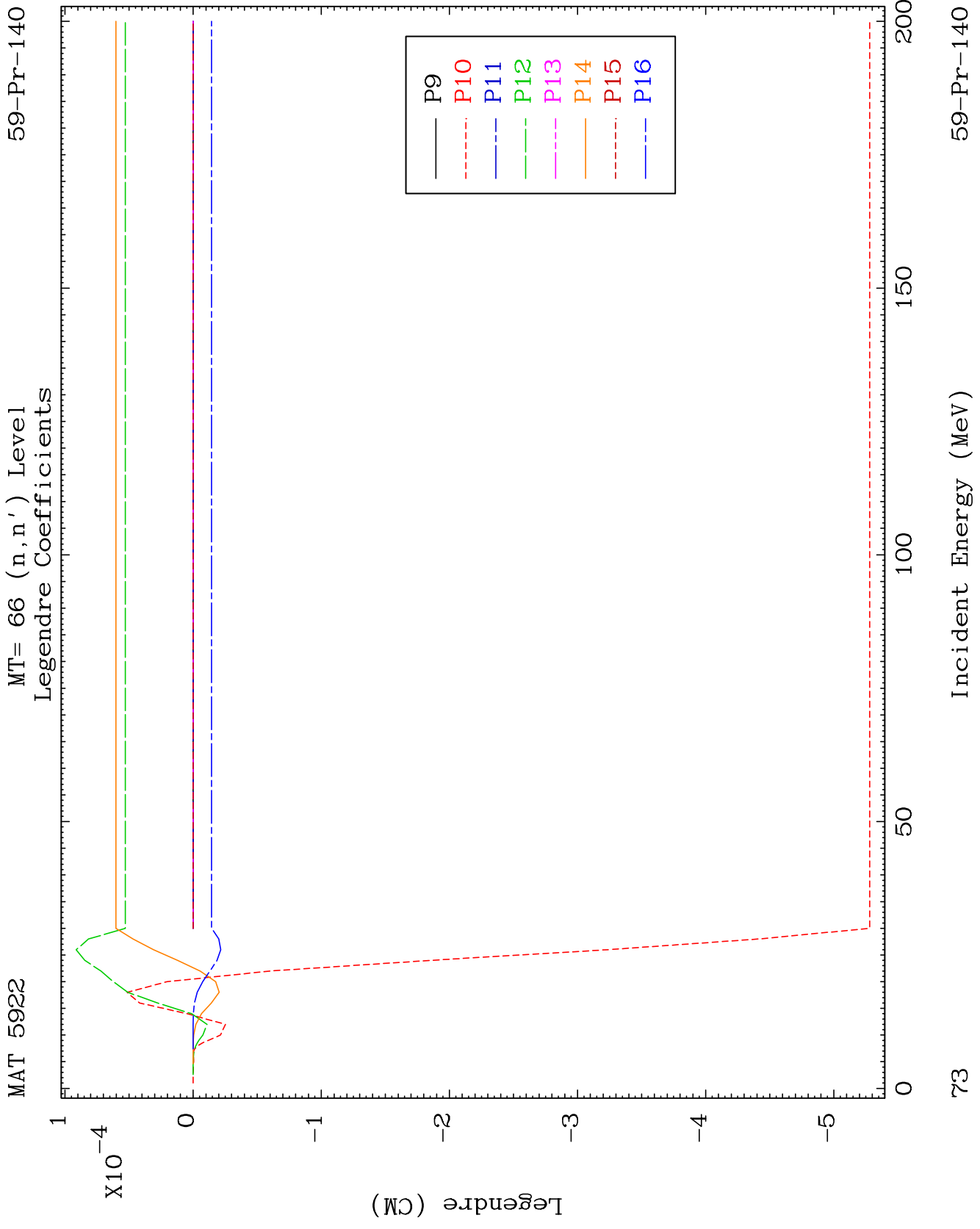
59-Pr-140

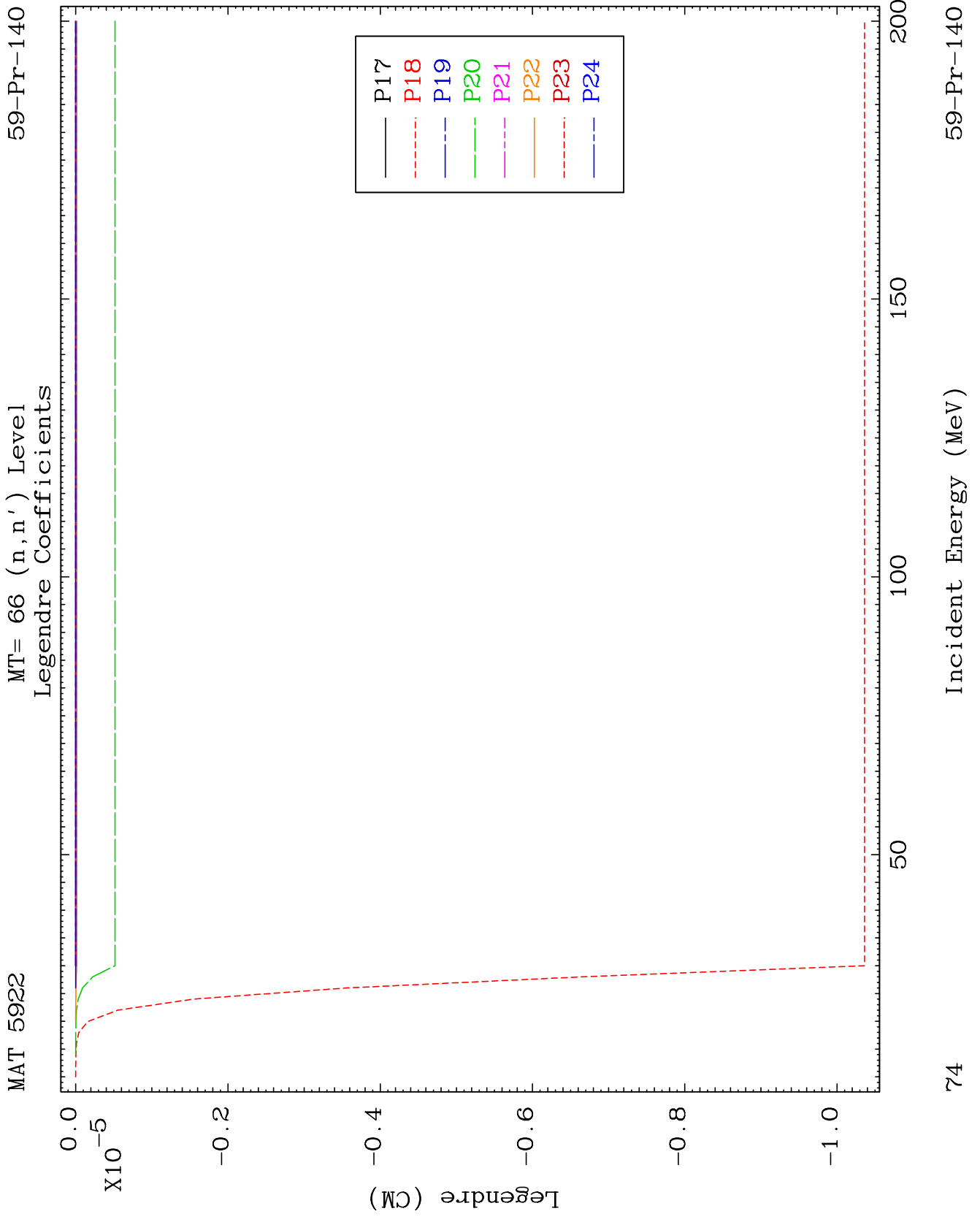


59-Pr-140

Incident Energy (MeV)

72

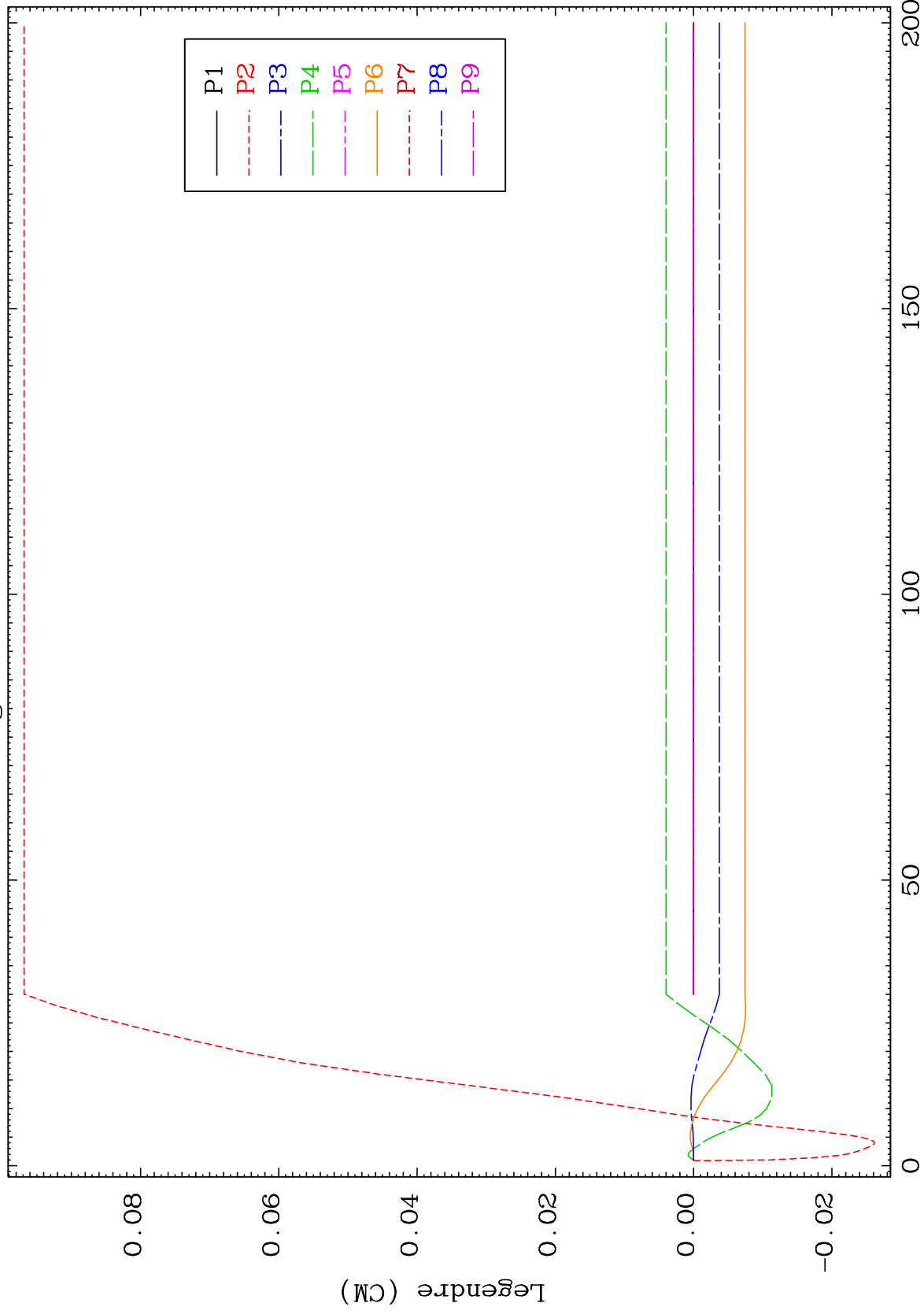




MAT 5922

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

59-Pr-140



75

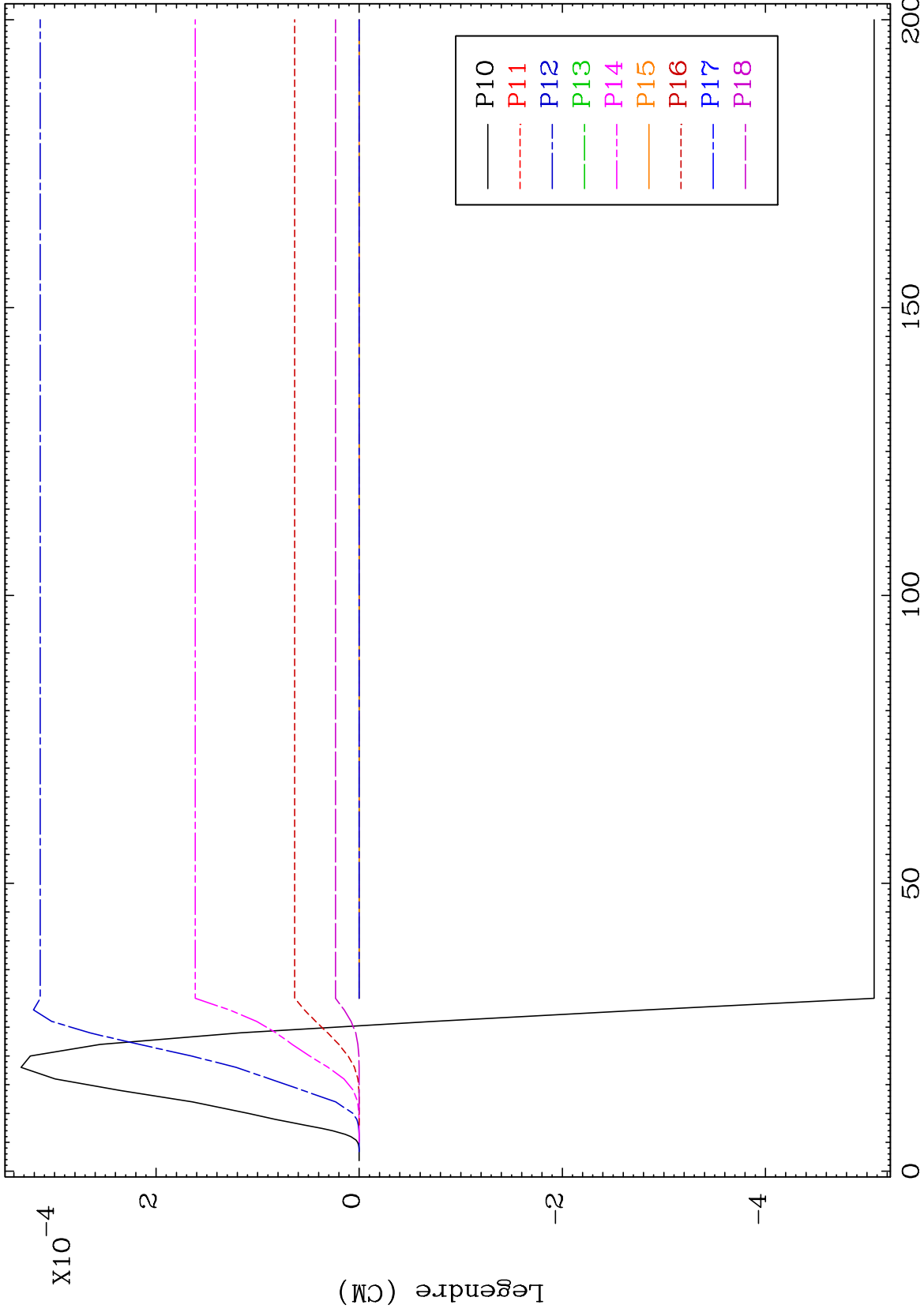
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



76

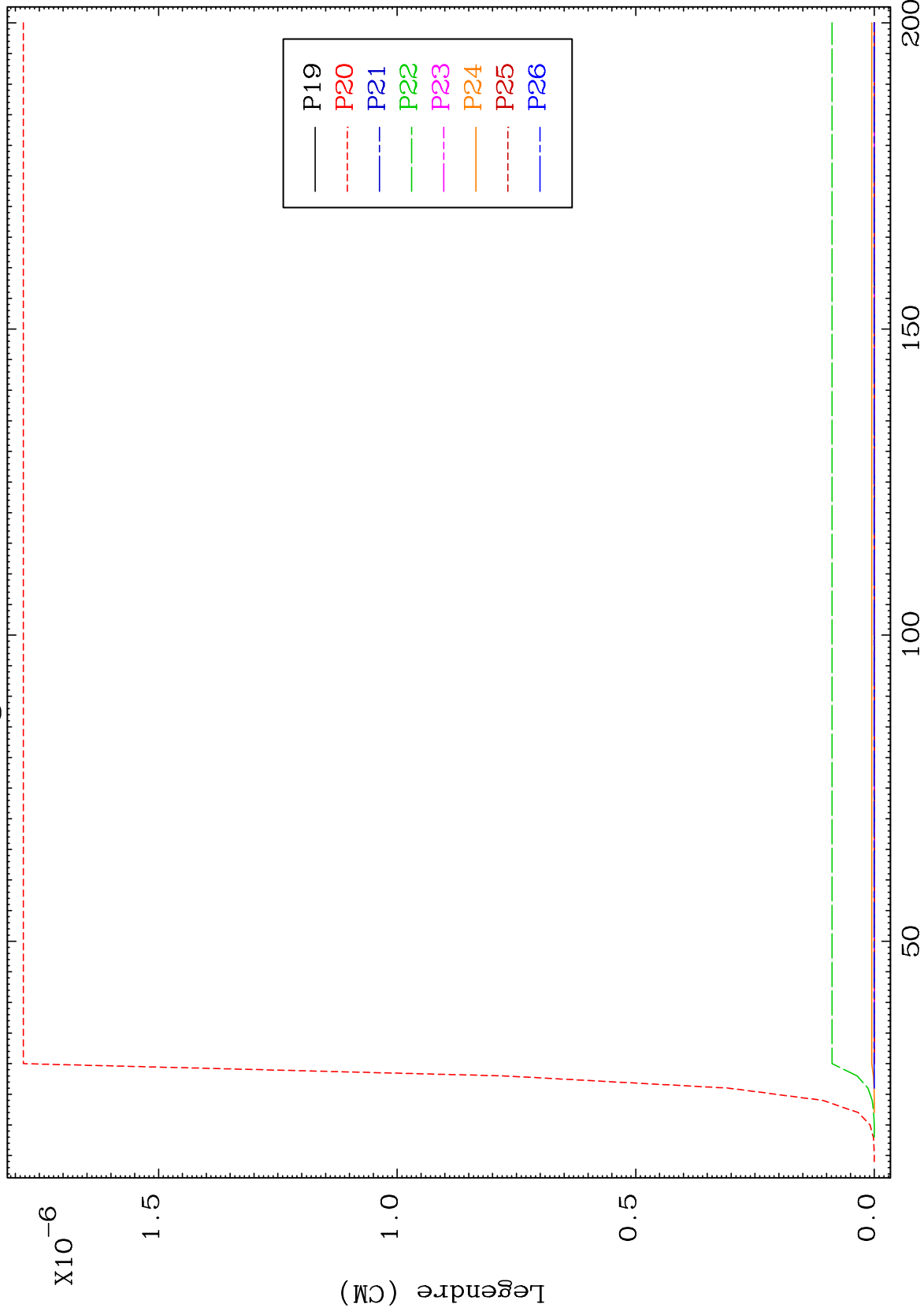
Incident Energy (MeV)

59-Pr-140

MAT 5922

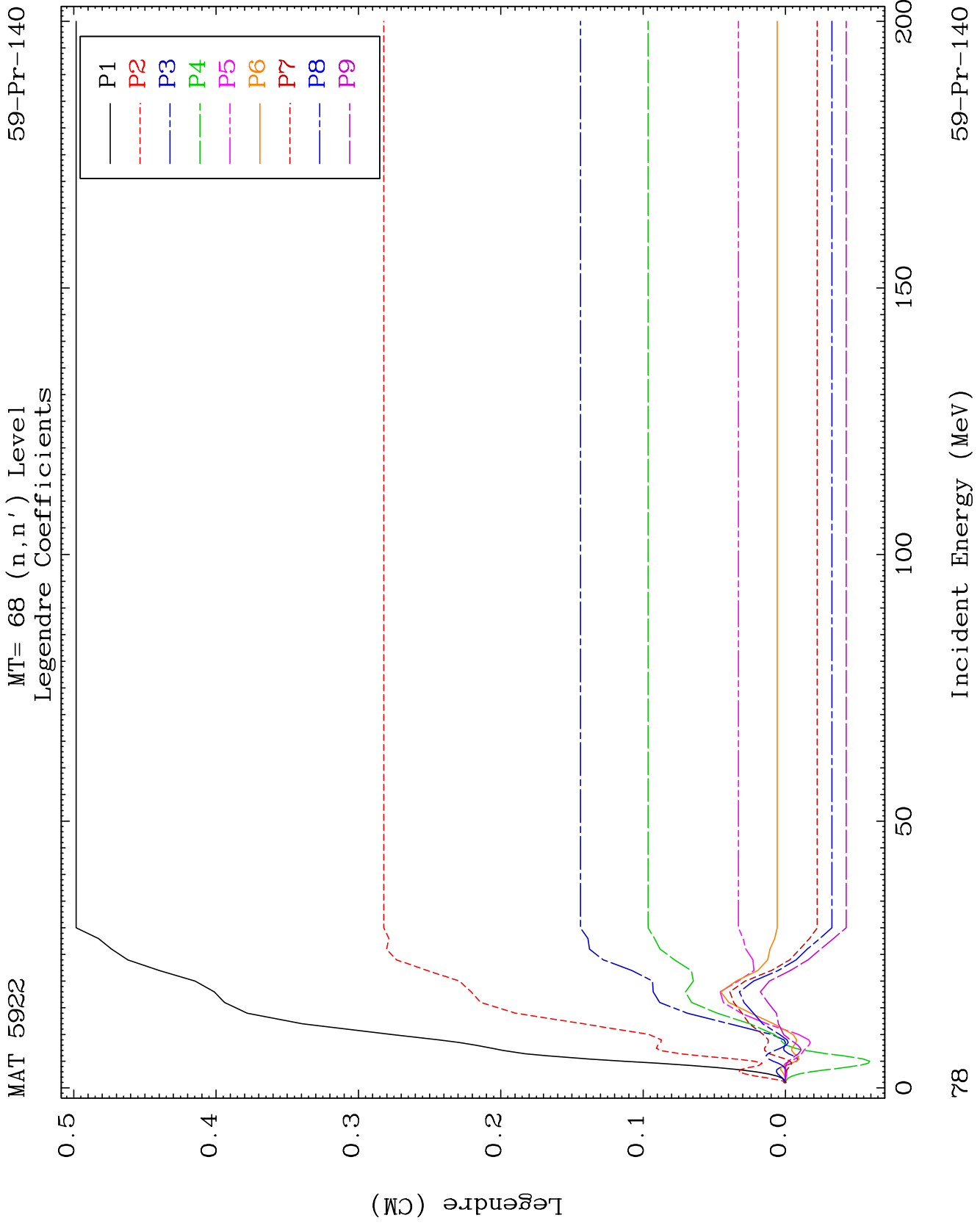
MT= 67 (n,n') Level
Legendre Coefficients

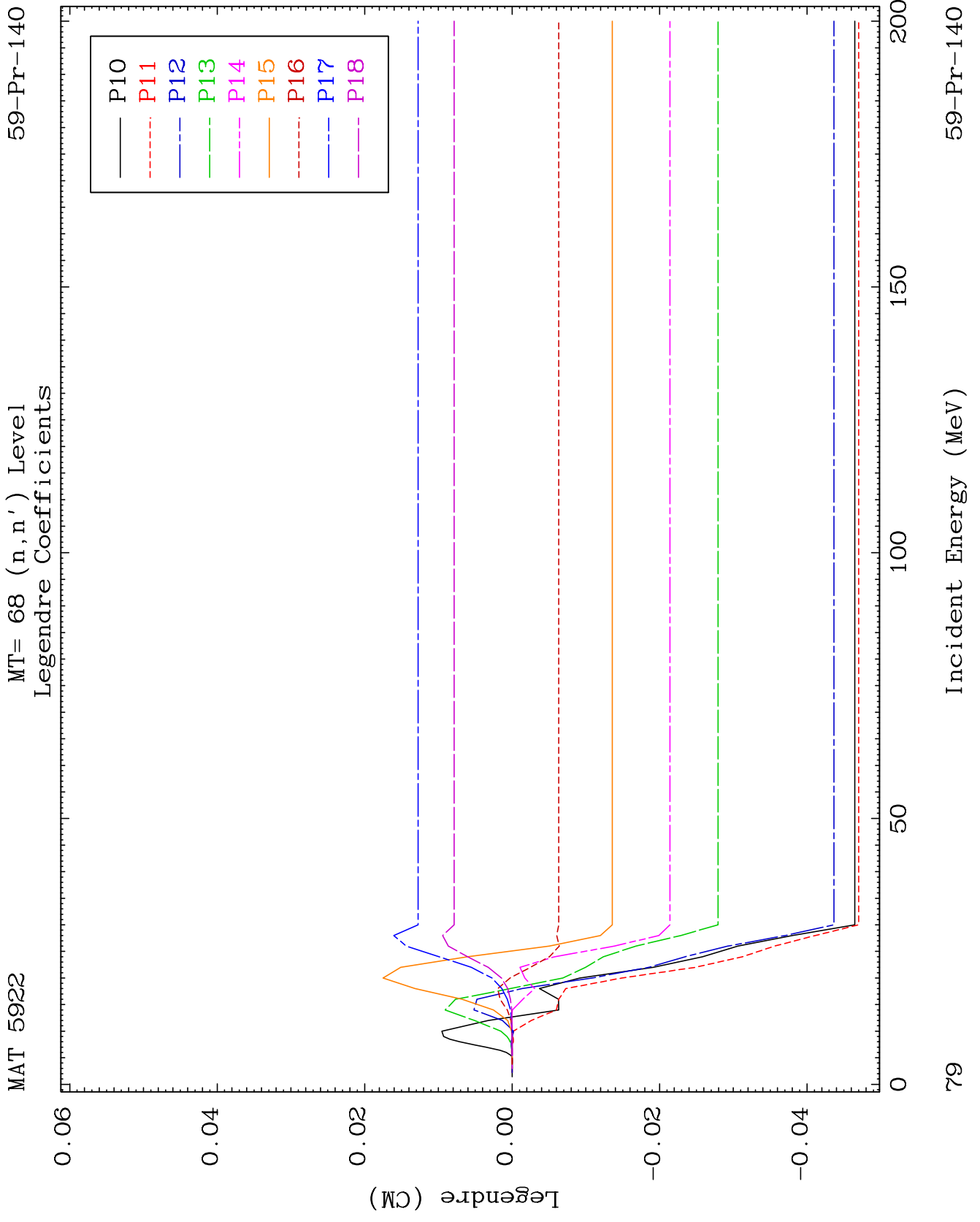
59-Pr-140



77

59-Pr-140

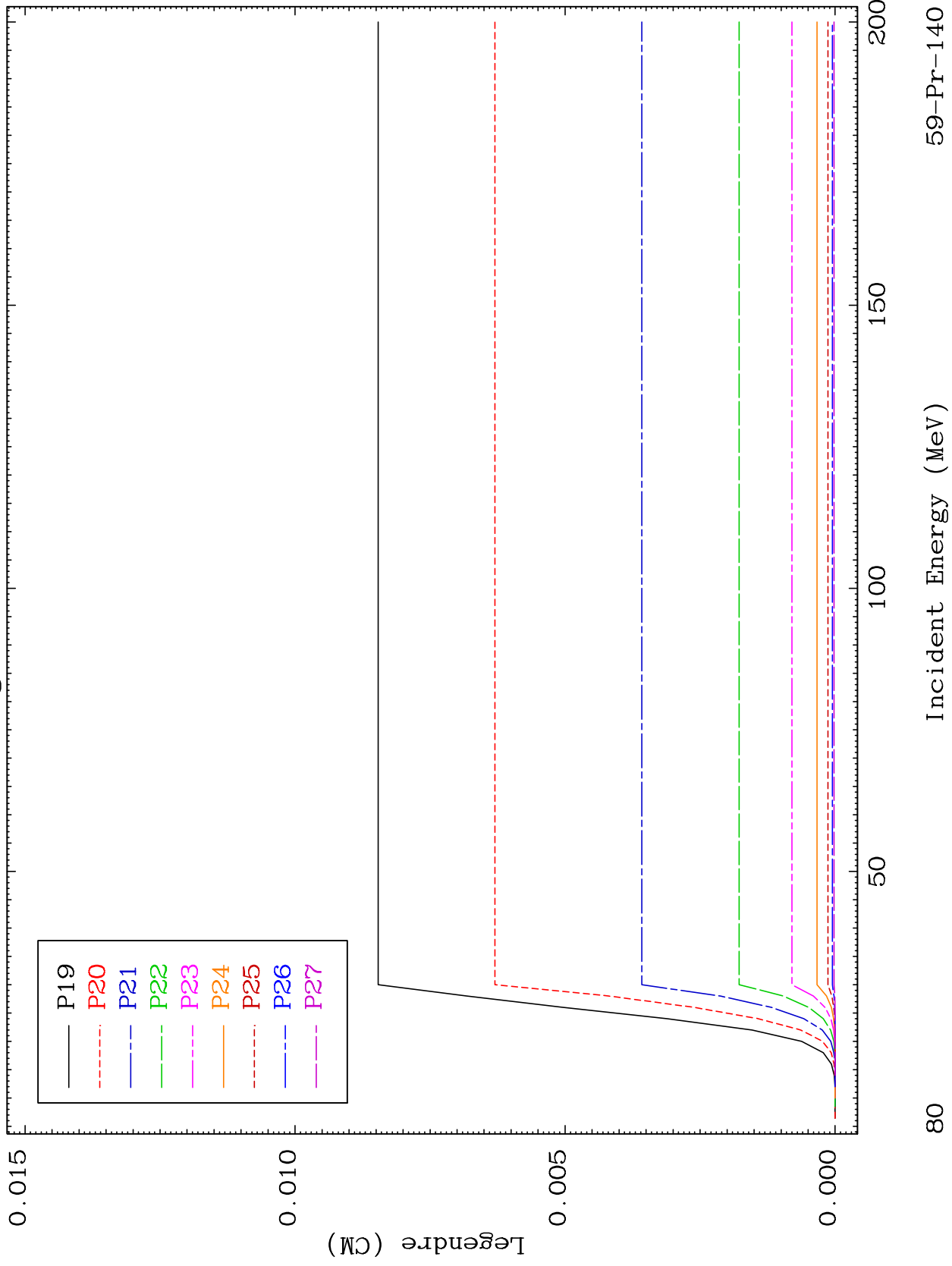




MAT 5922

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

59-Pr-140



59-Pr-140

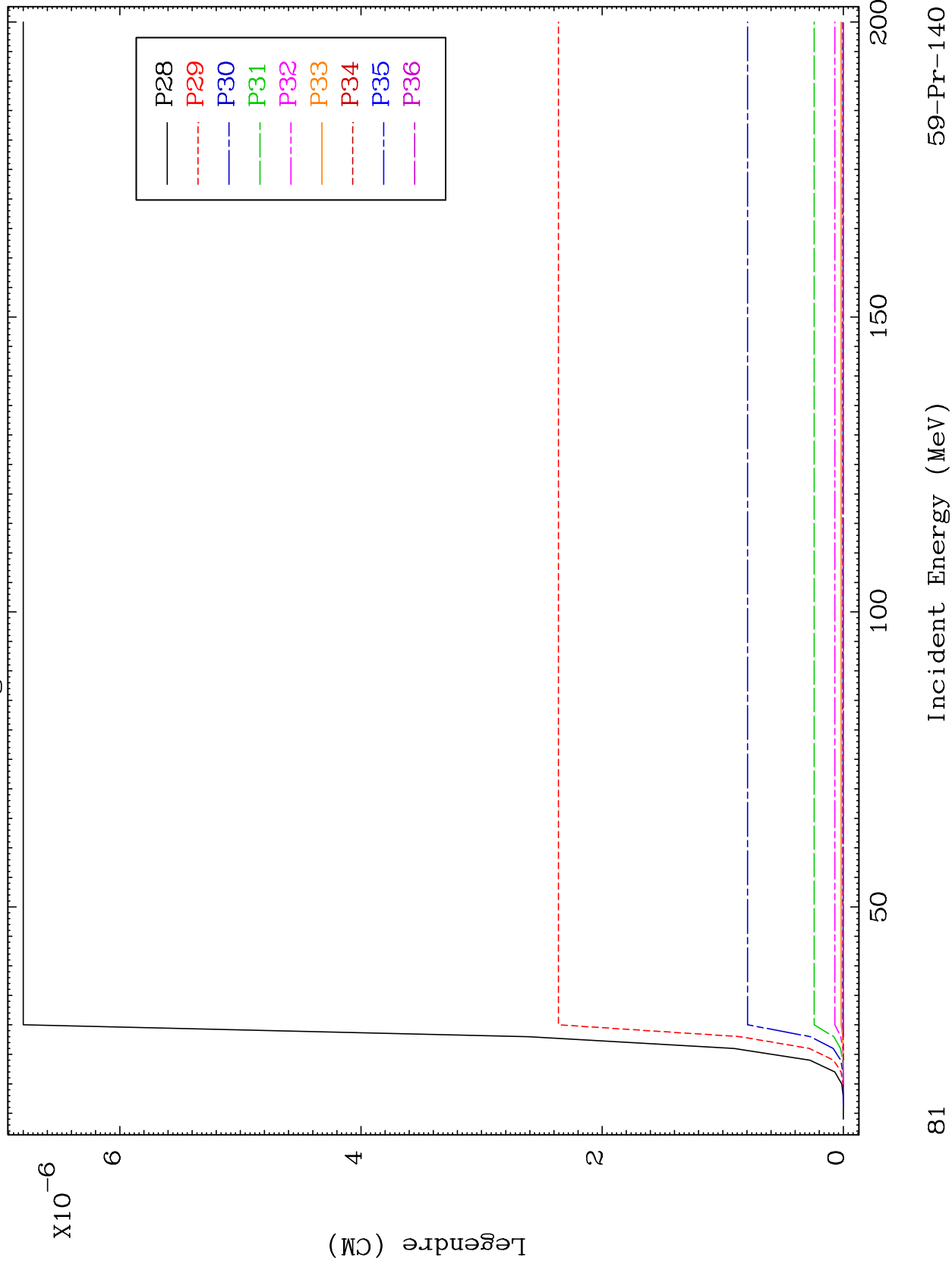
Incident Energy (MeV)

80

MAT 5922

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

59-Pr-140



81

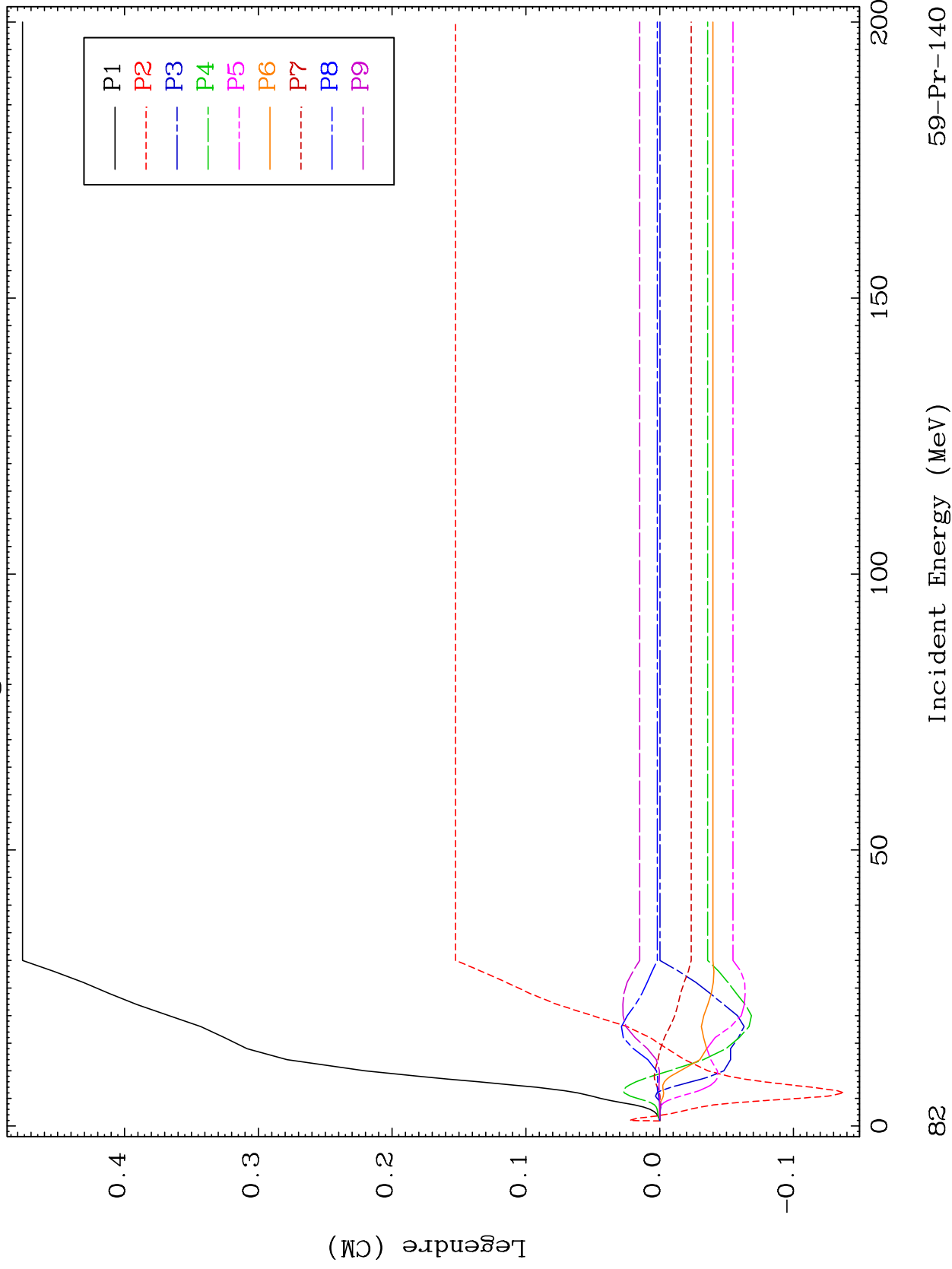
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

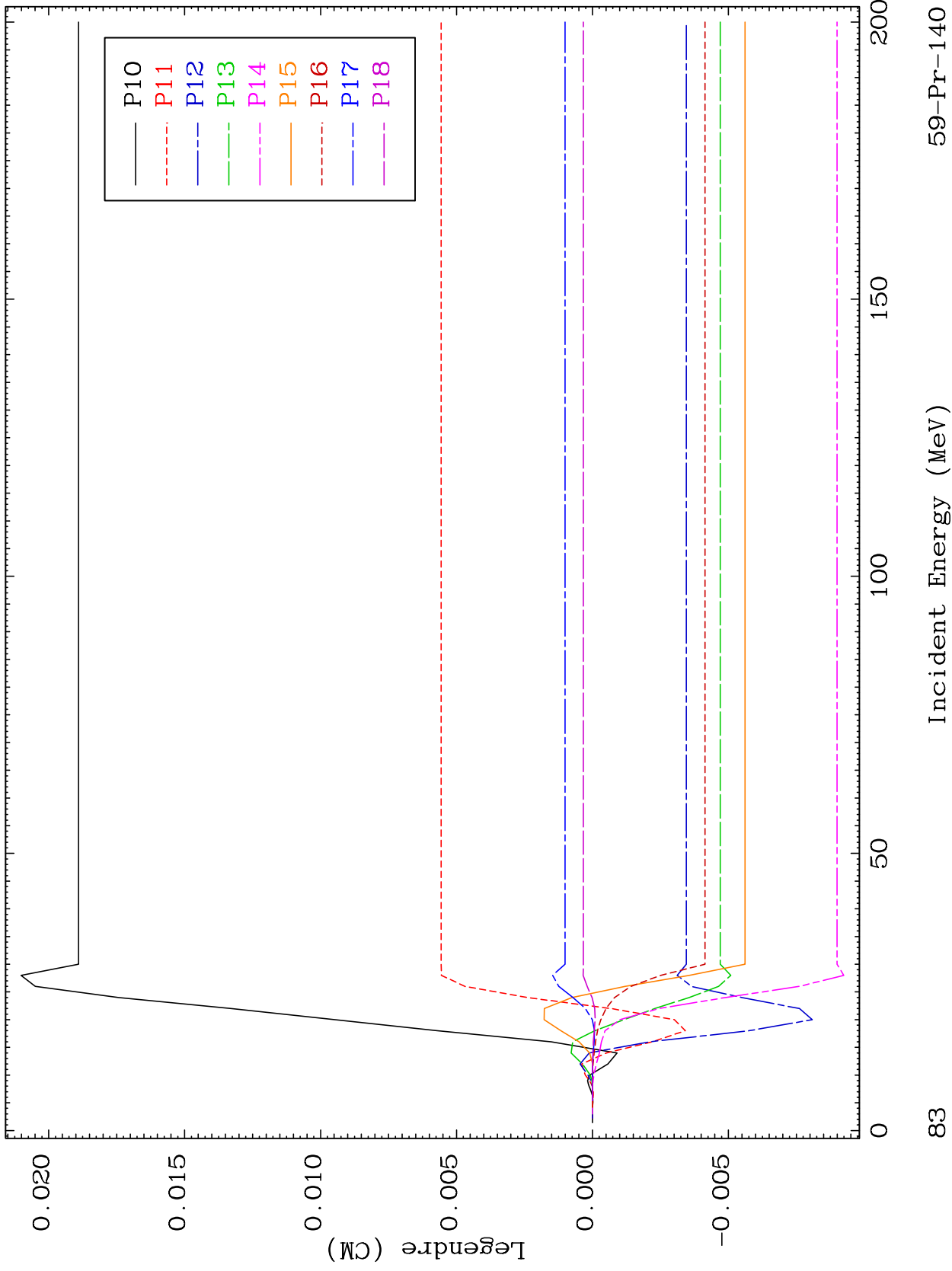
59-Pr-140



59-Pr-140

Incident Energy (MeV)

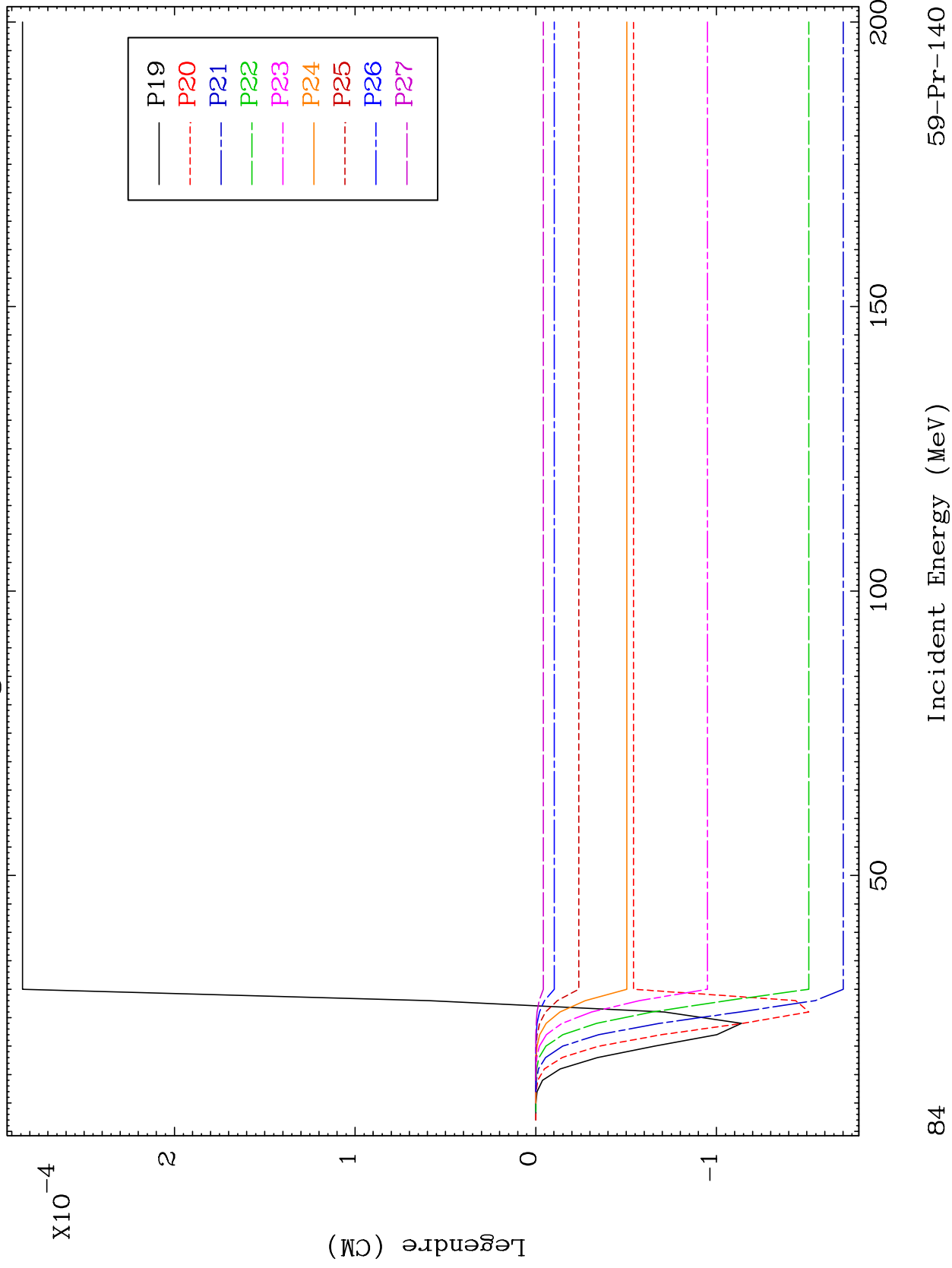
82



MAT 5922

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

59-Pr-140



84

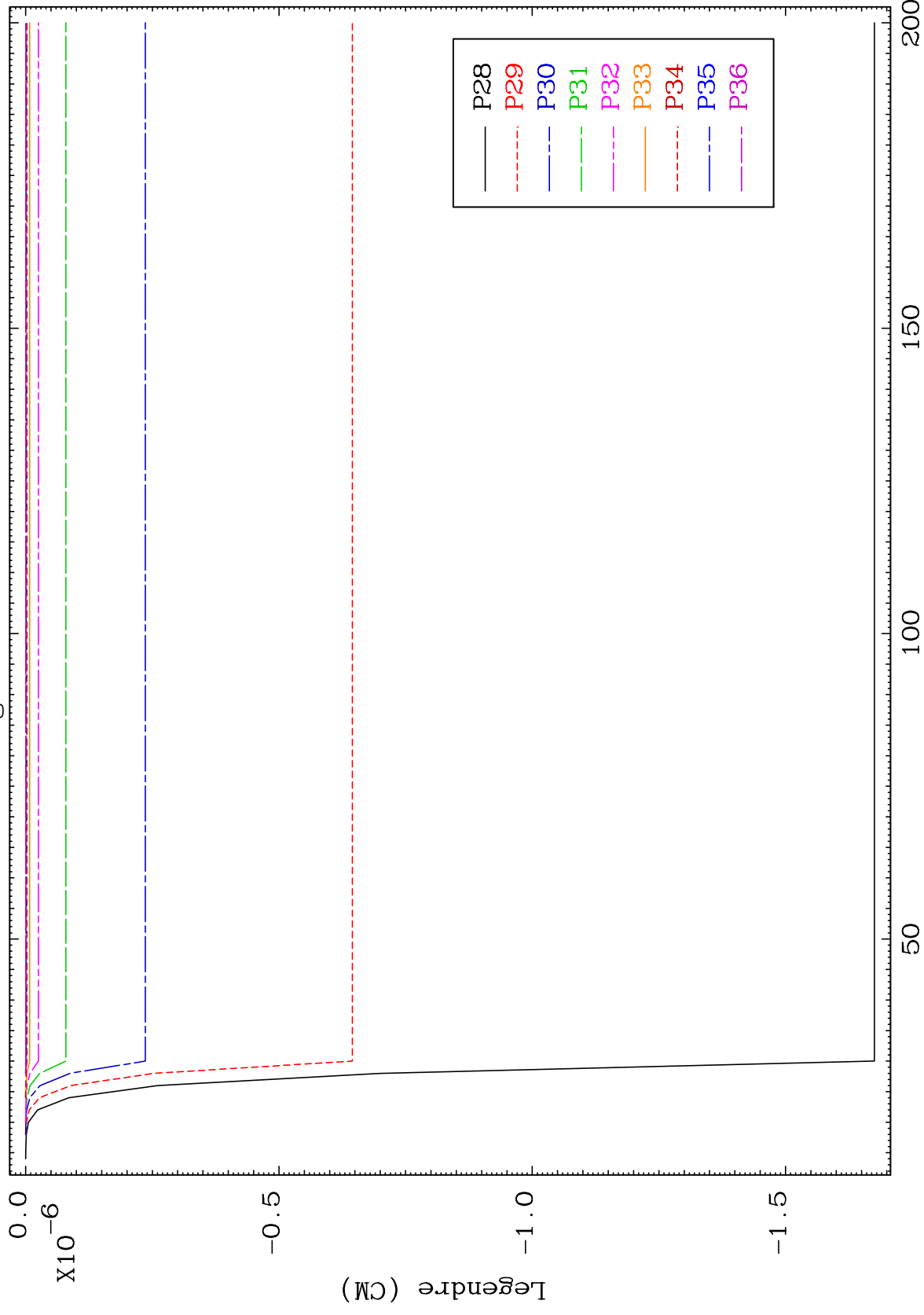
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

59-Pr-140



85

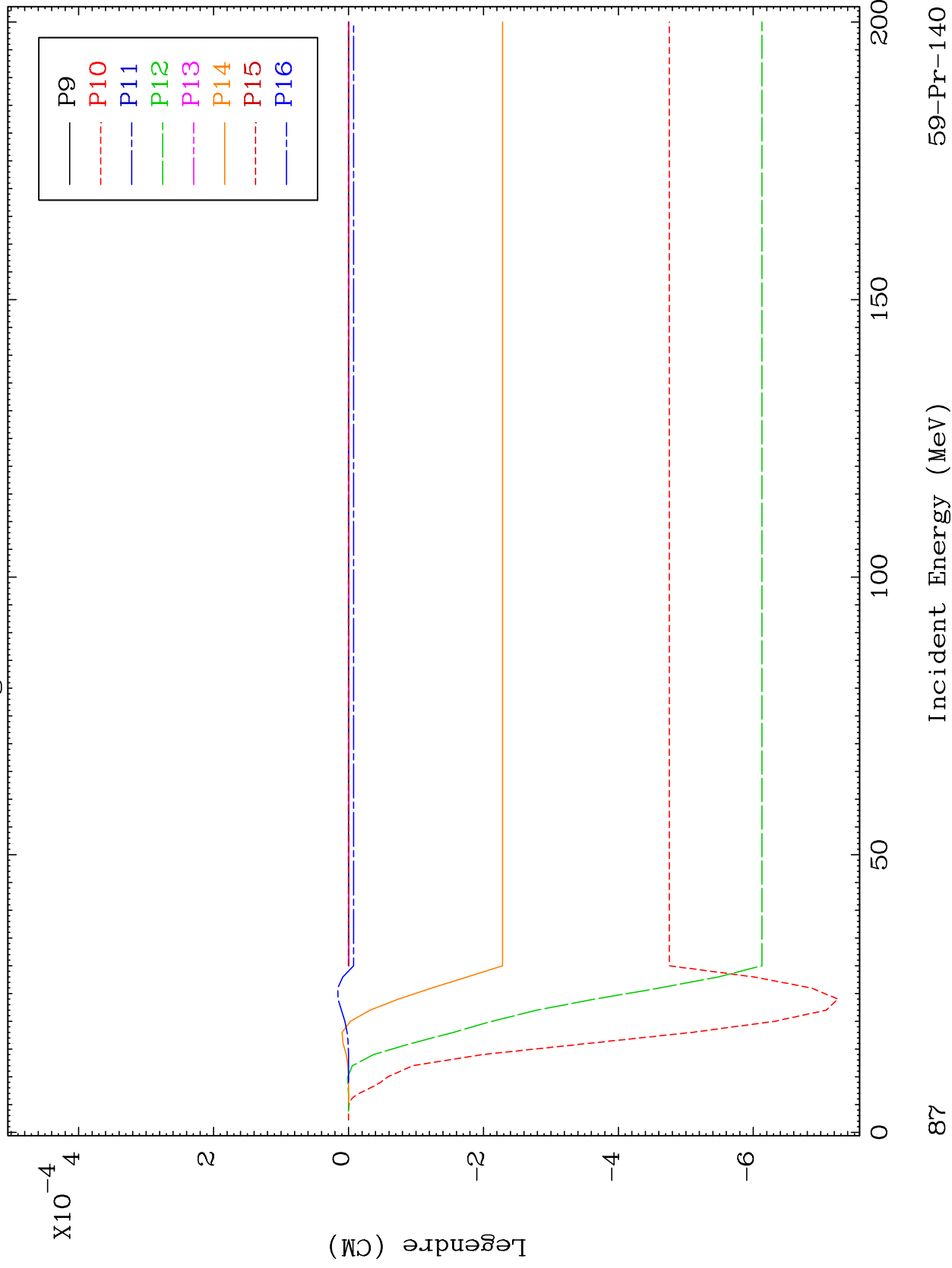
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

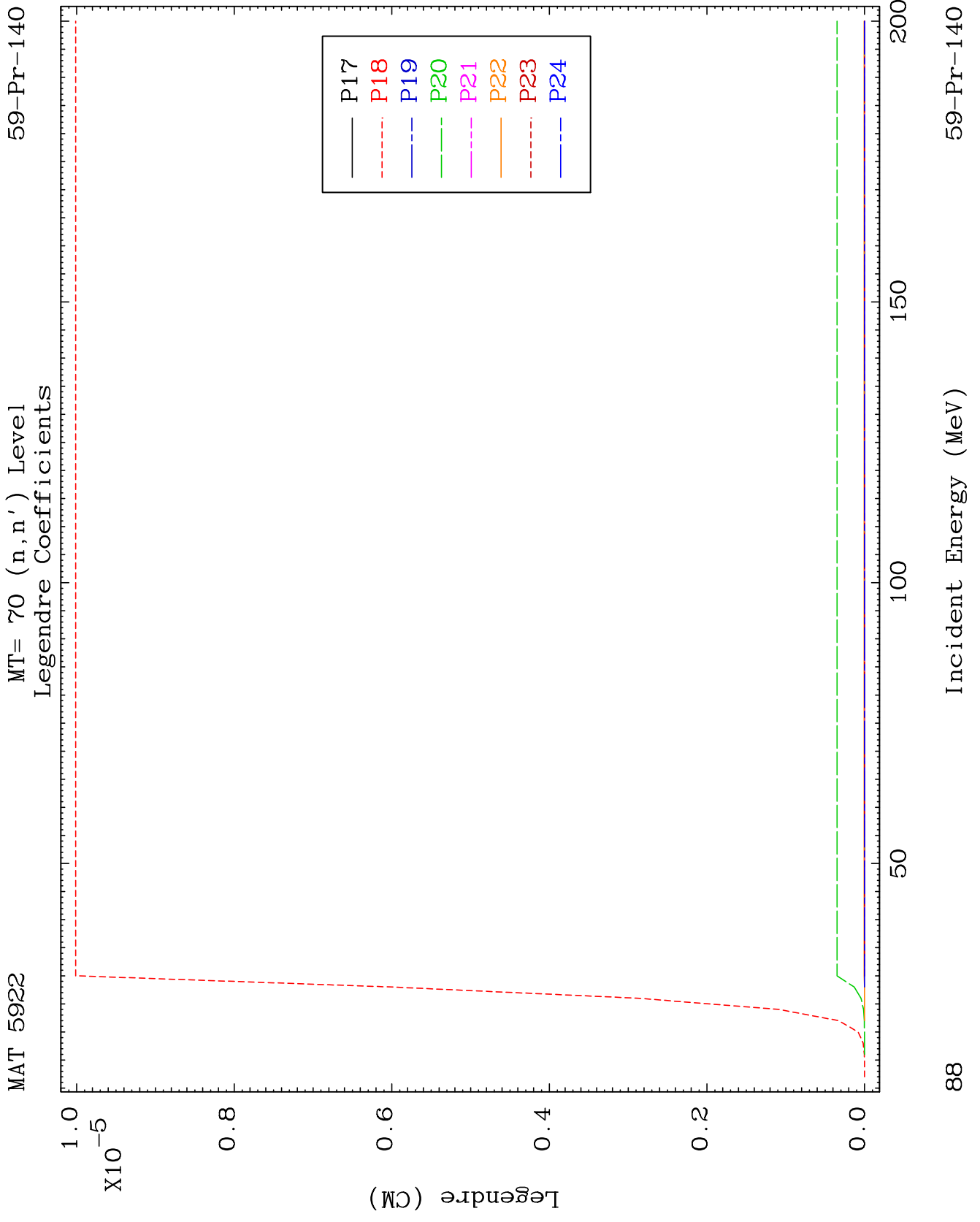
59-Pr-140



87

Incident Energy (MeV)

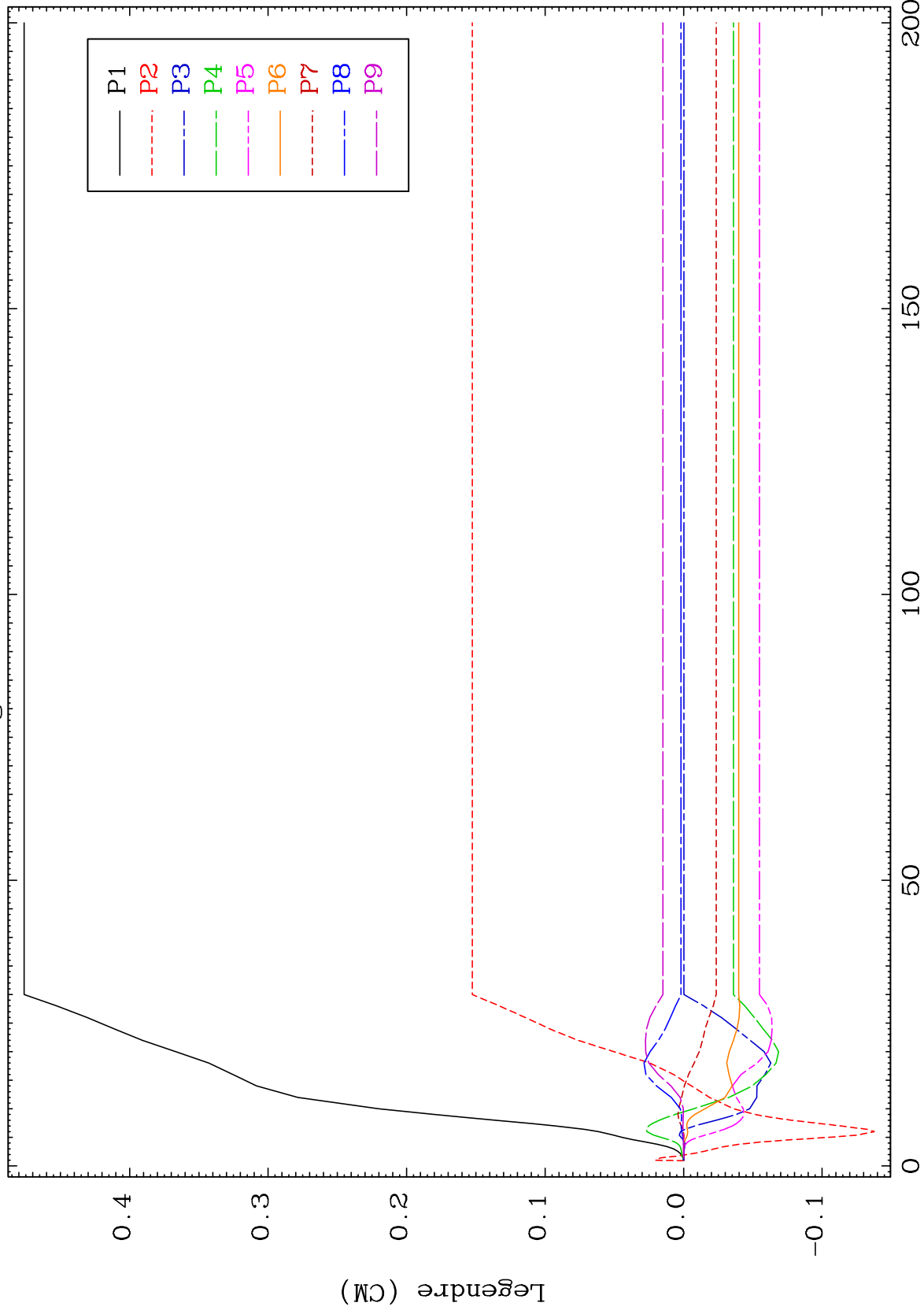
59-Pr-140



MAT 5922

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

59-Pr-140



89

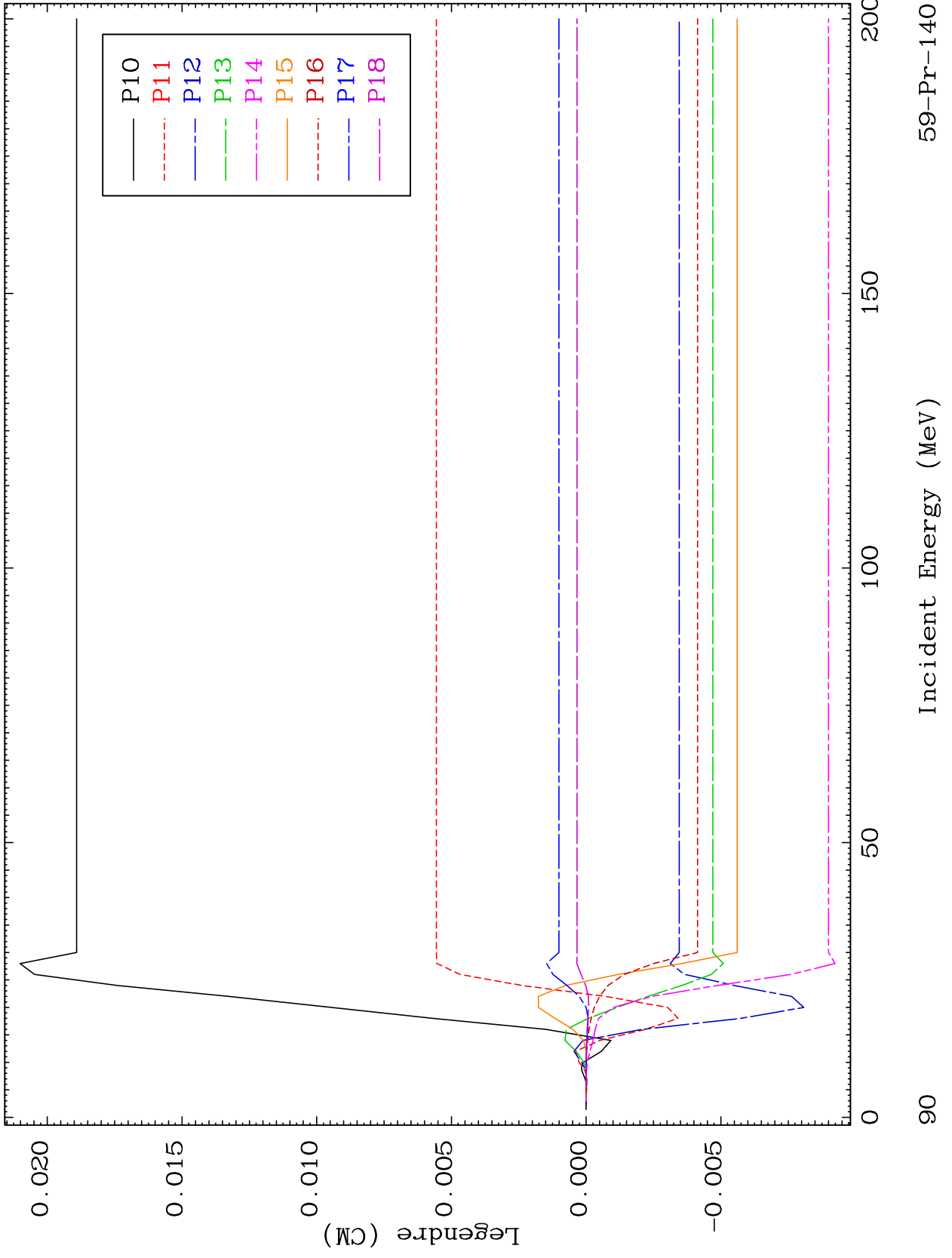
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

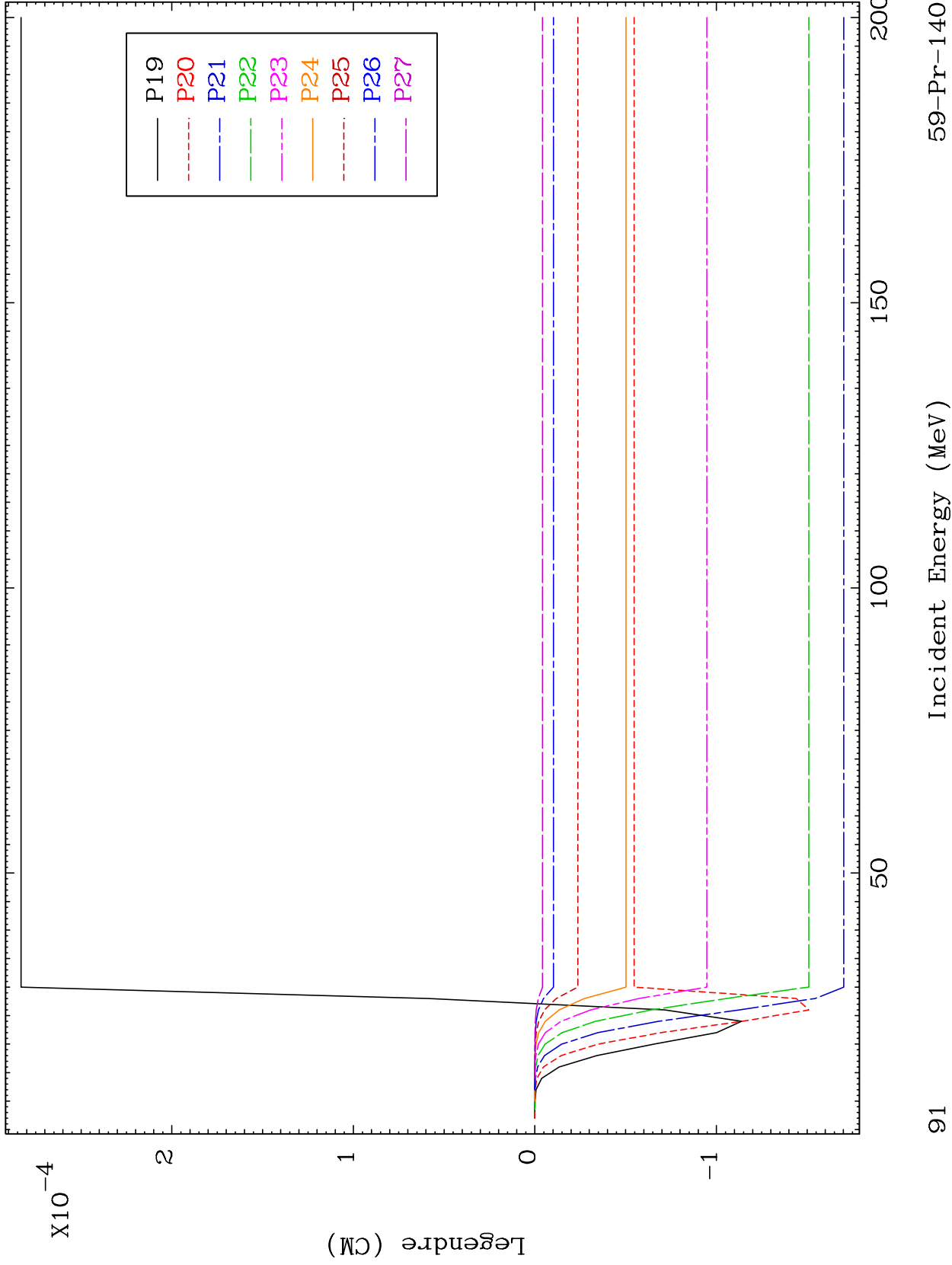
59-Pr-140

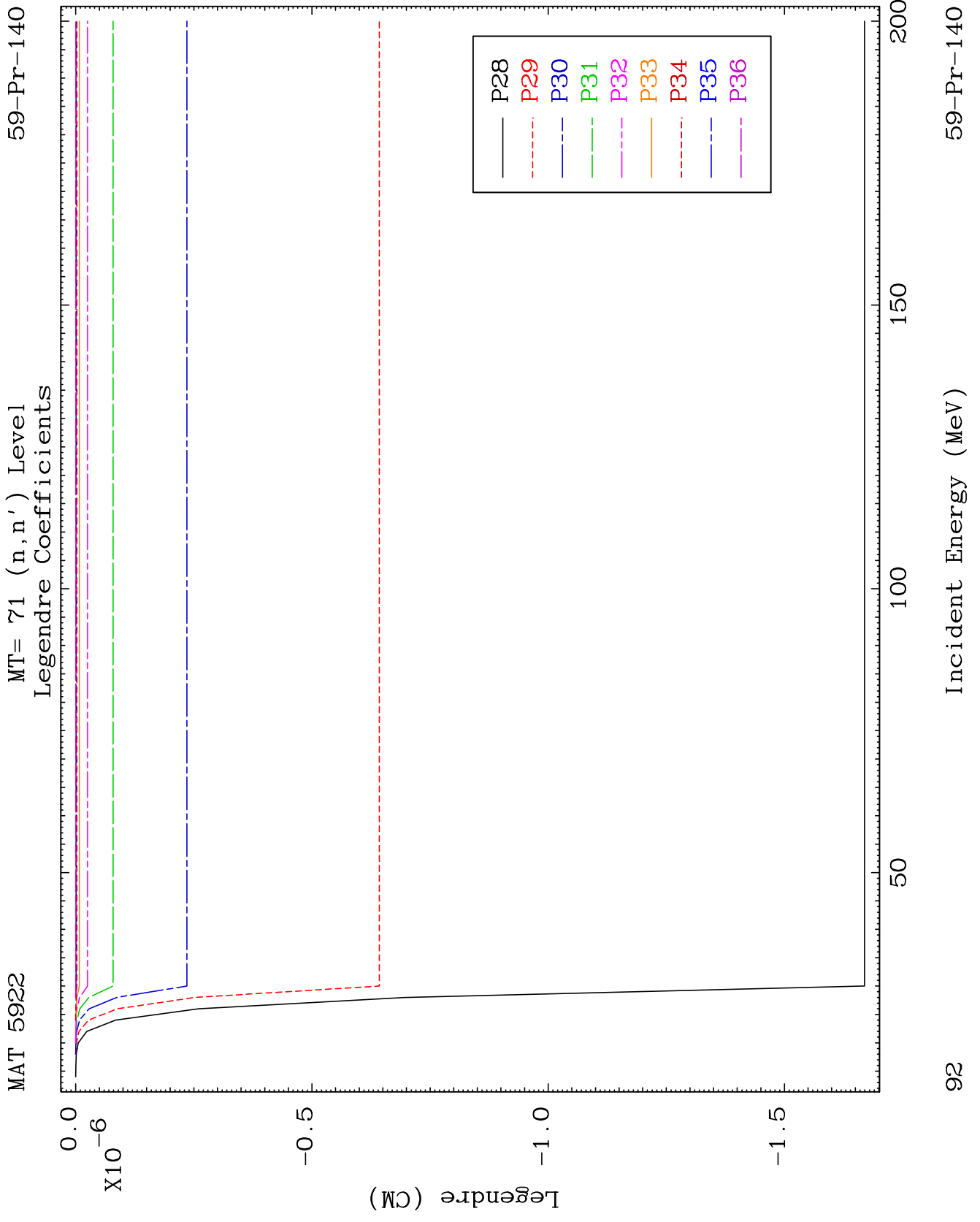


59-Pr-140

Incident Energy (MeV)

90

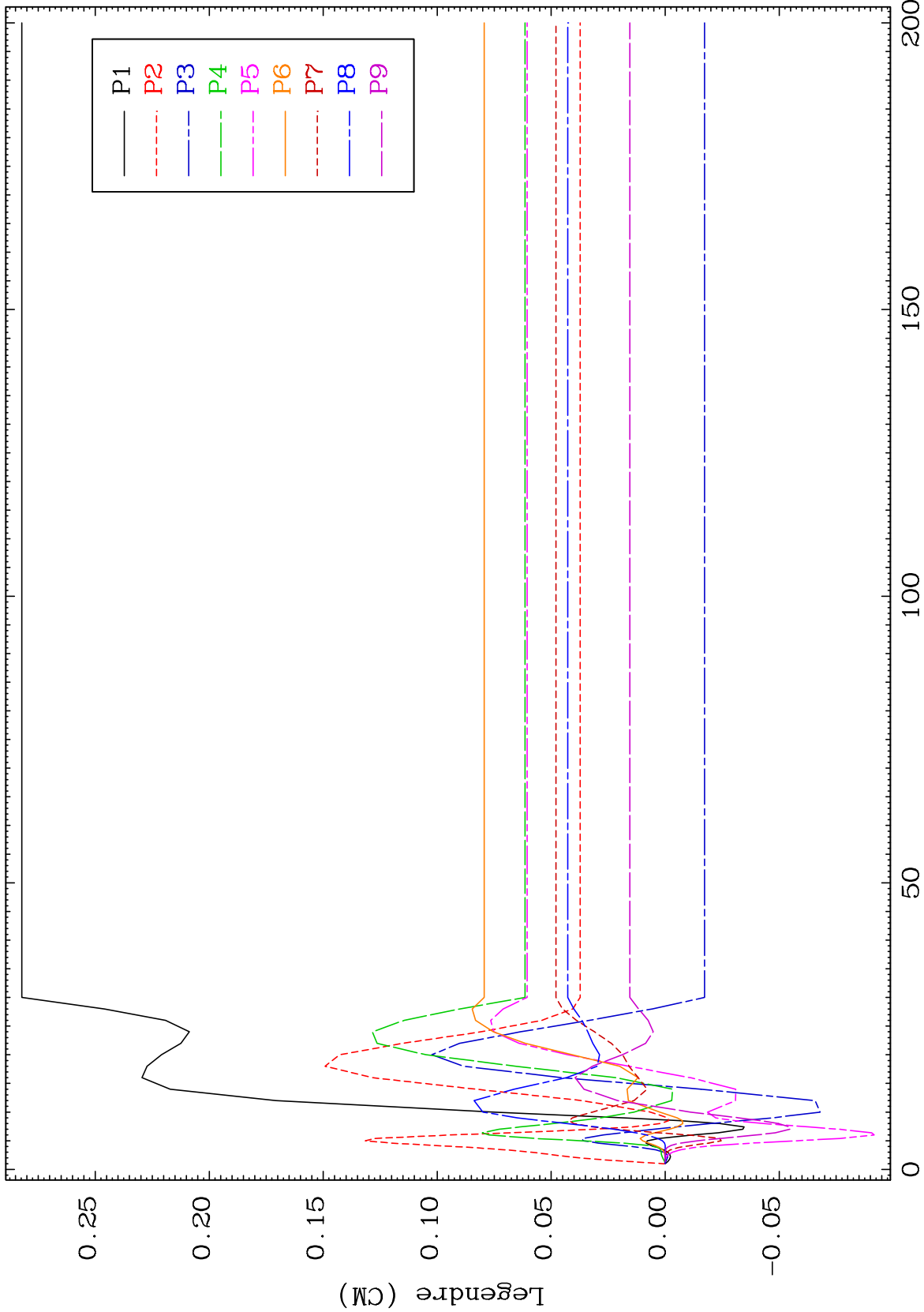




MAT 5922

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

59-Pr-140



93

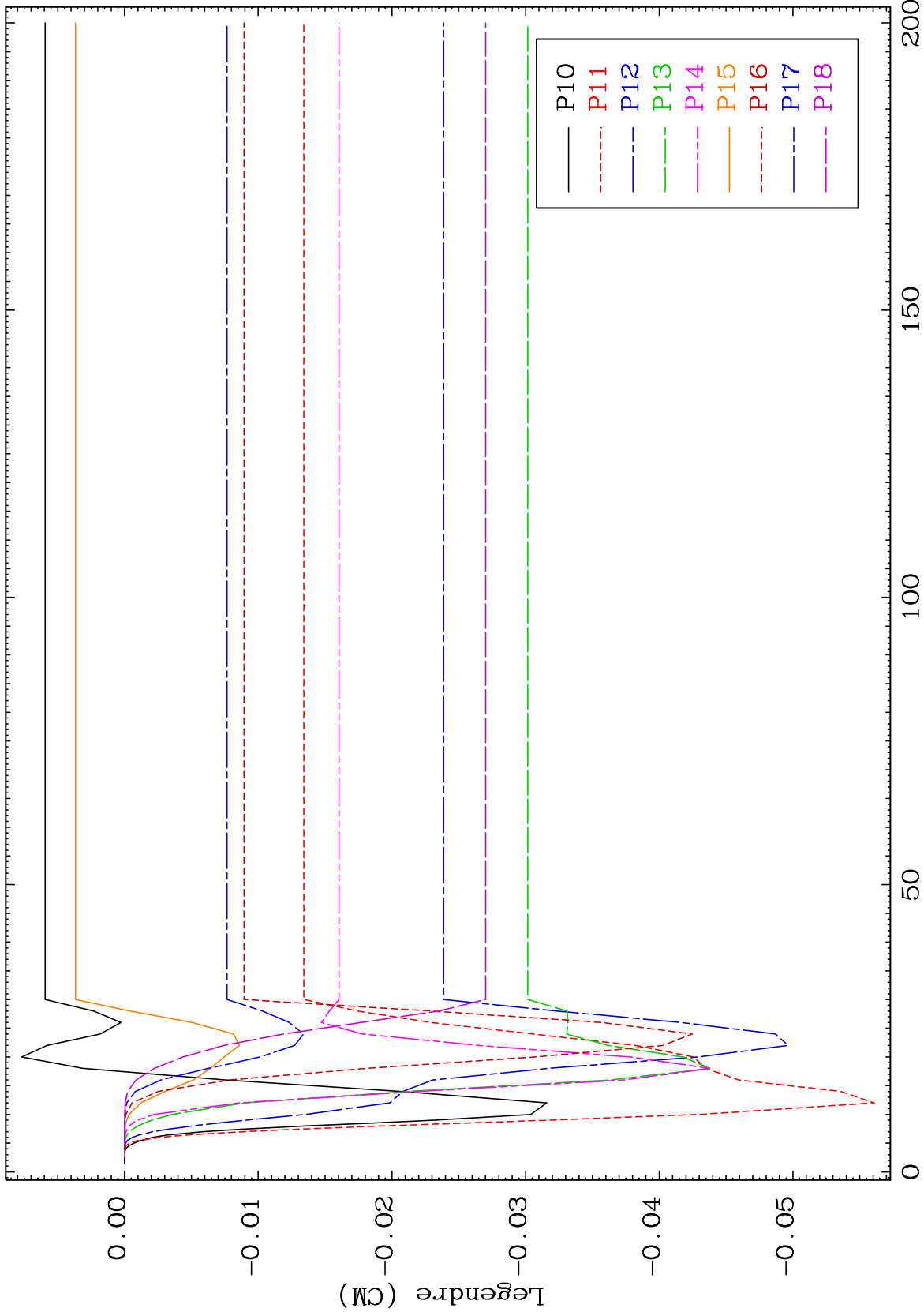
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

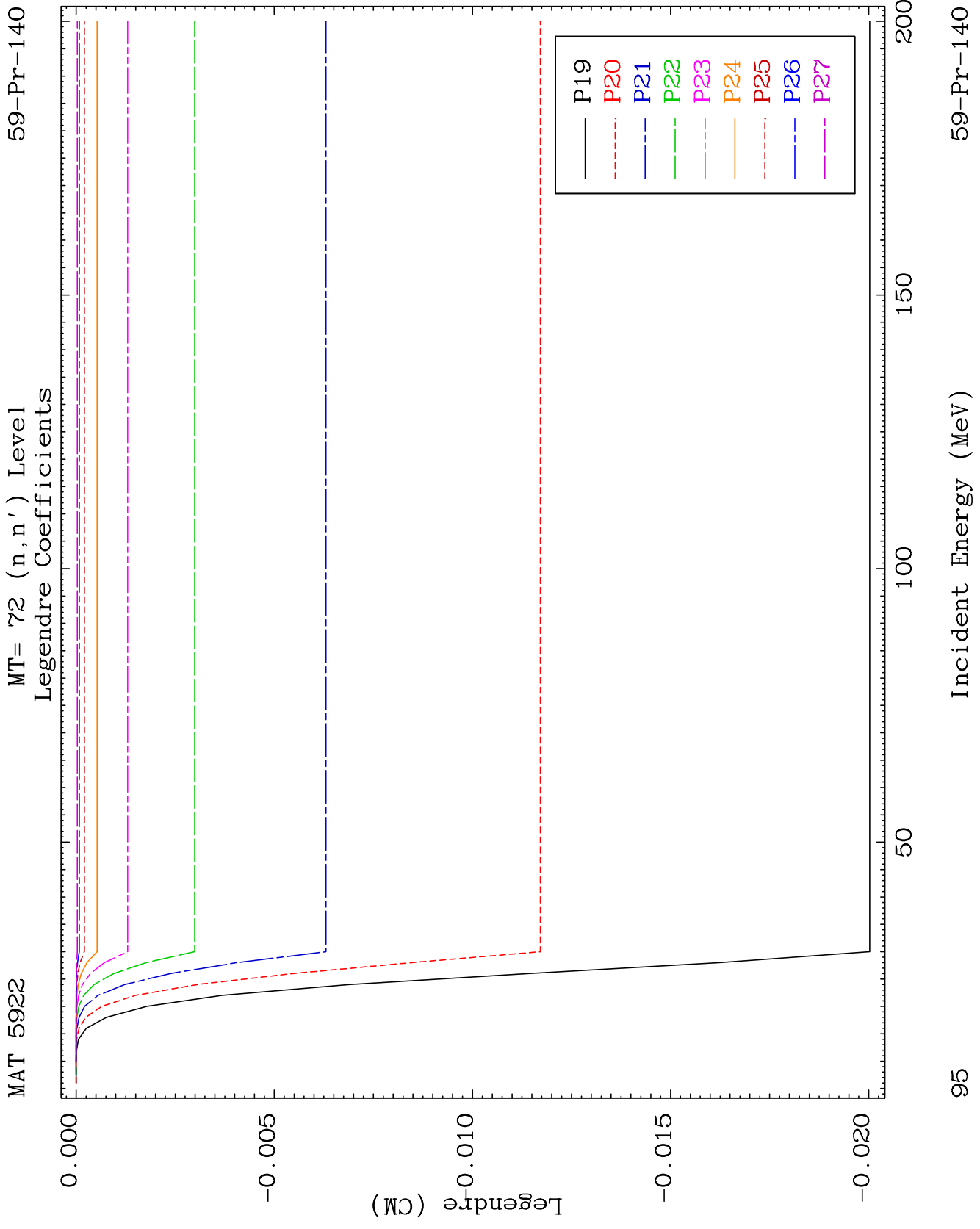
59-Pr-140

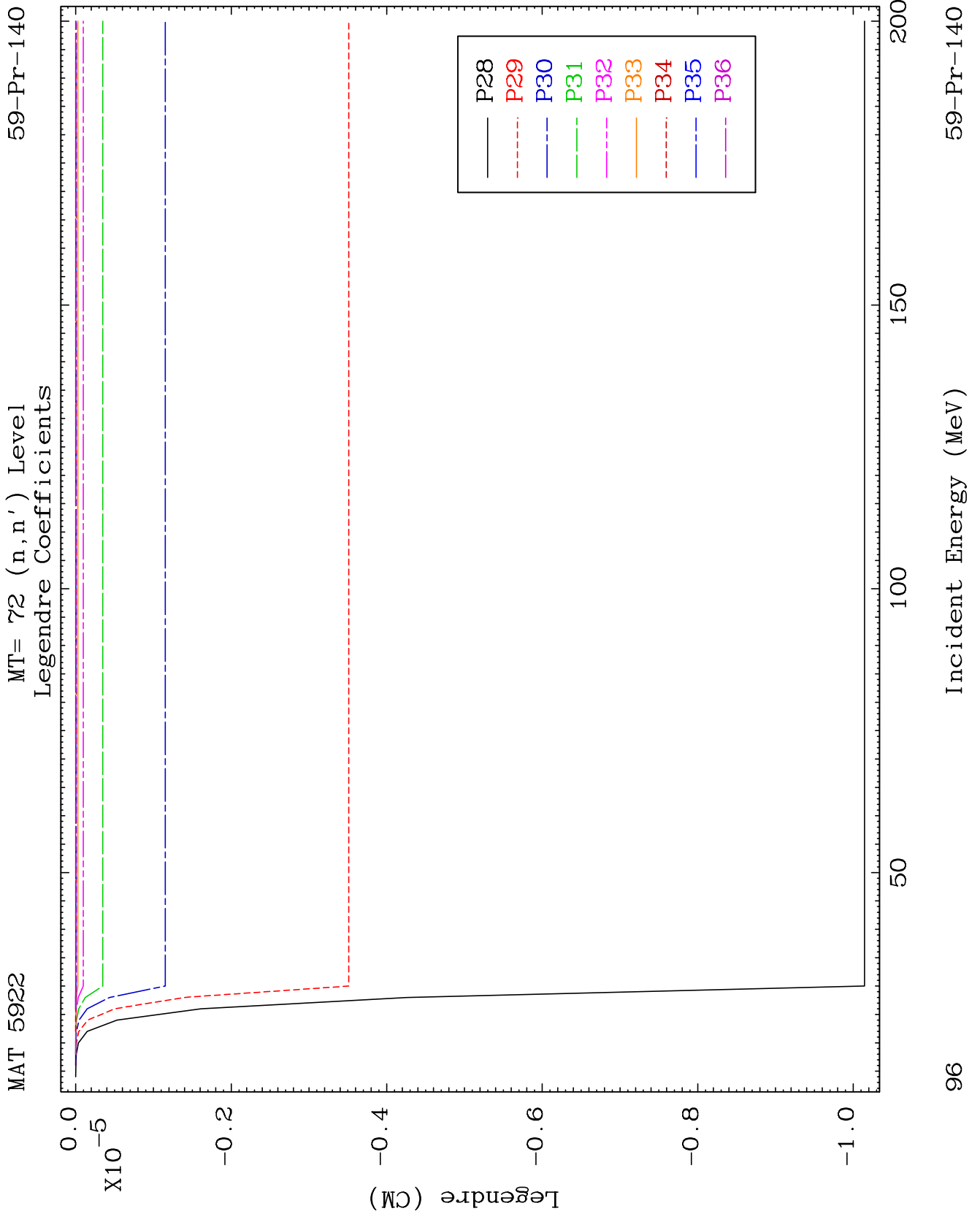


94

Incident Energy (MeV)

59-Pr-140

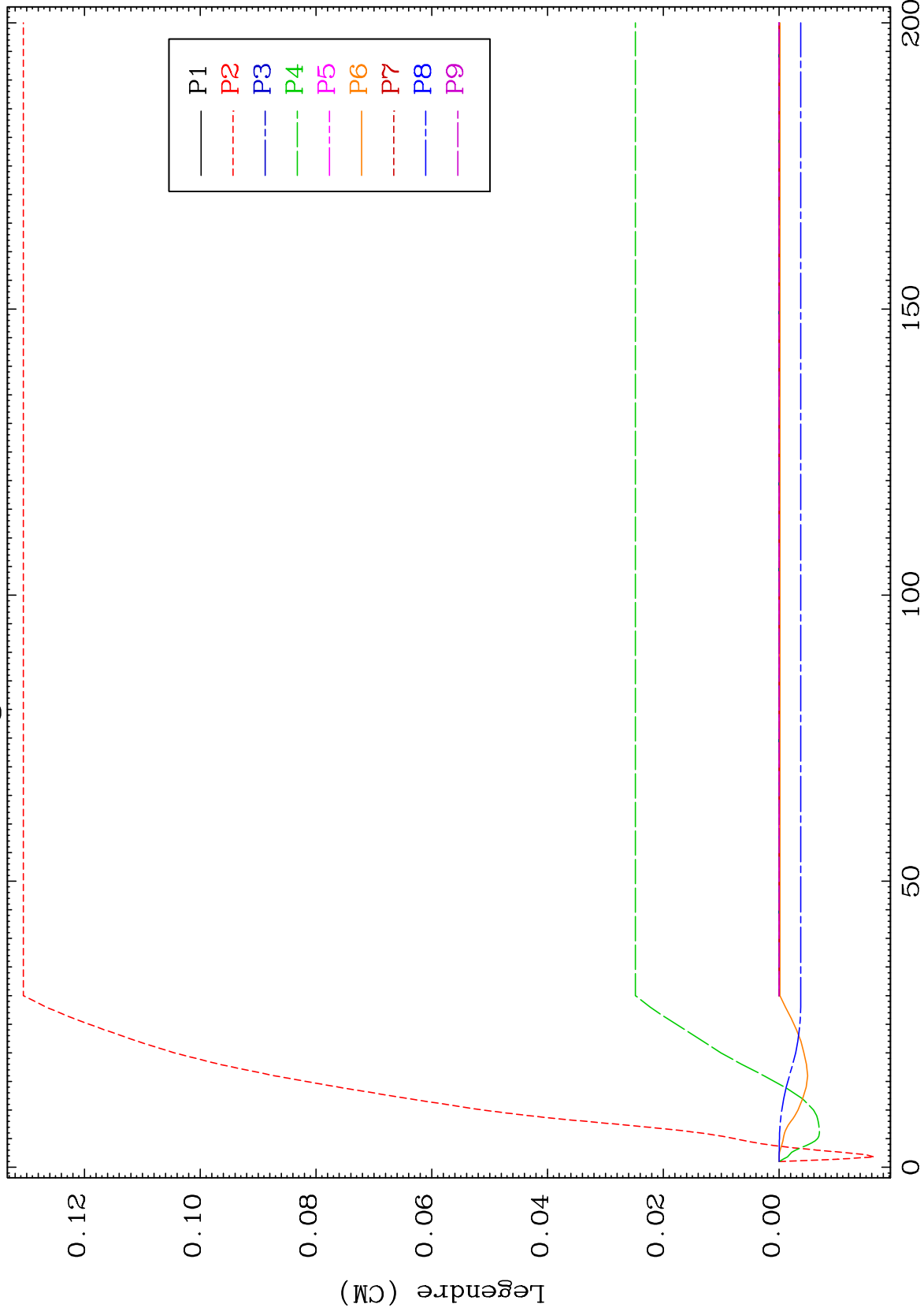




MAT 5922

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

59-Pr-140



97

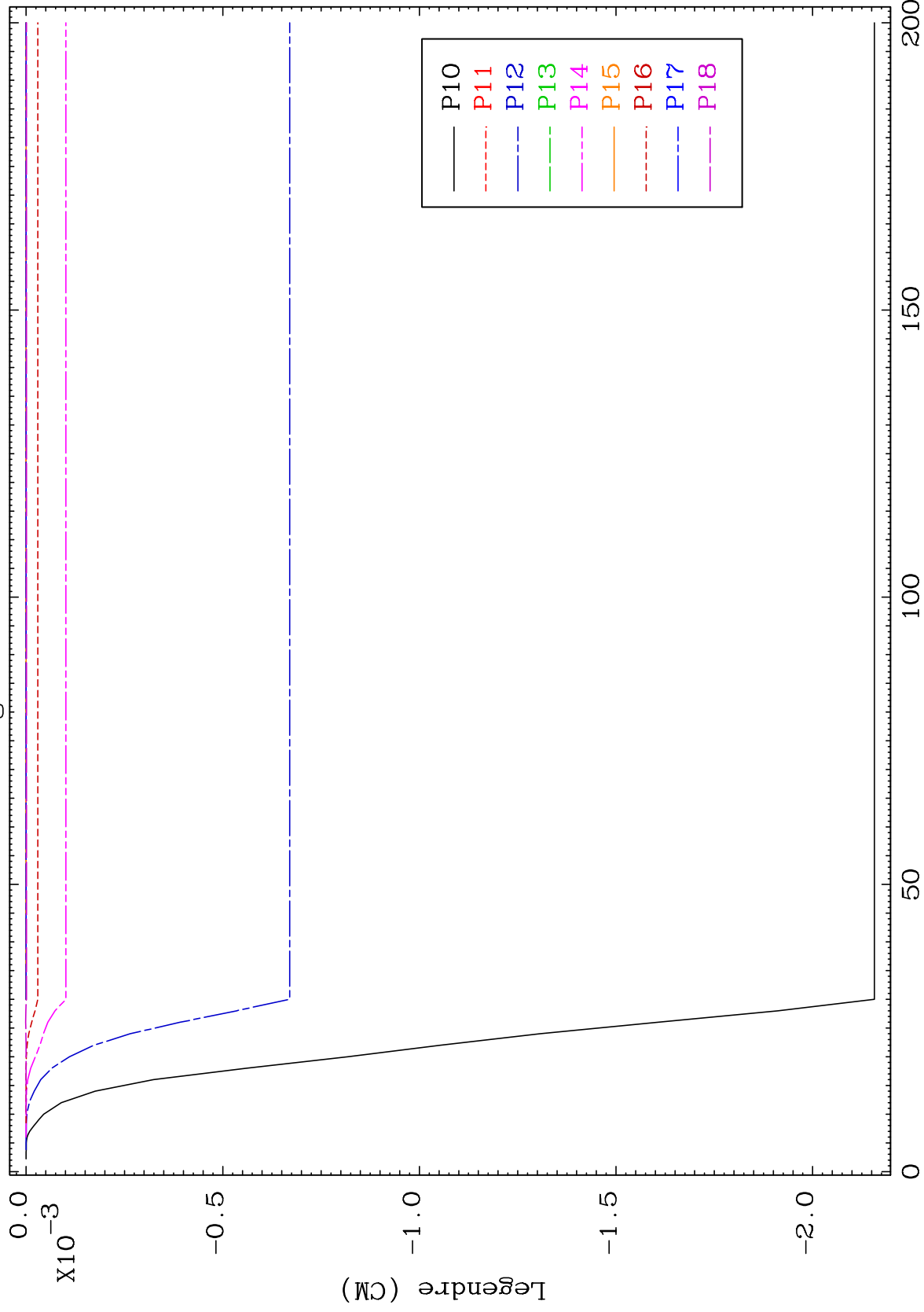
Incident Energy (MeV)

59-Pr-140

MAT 5922

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

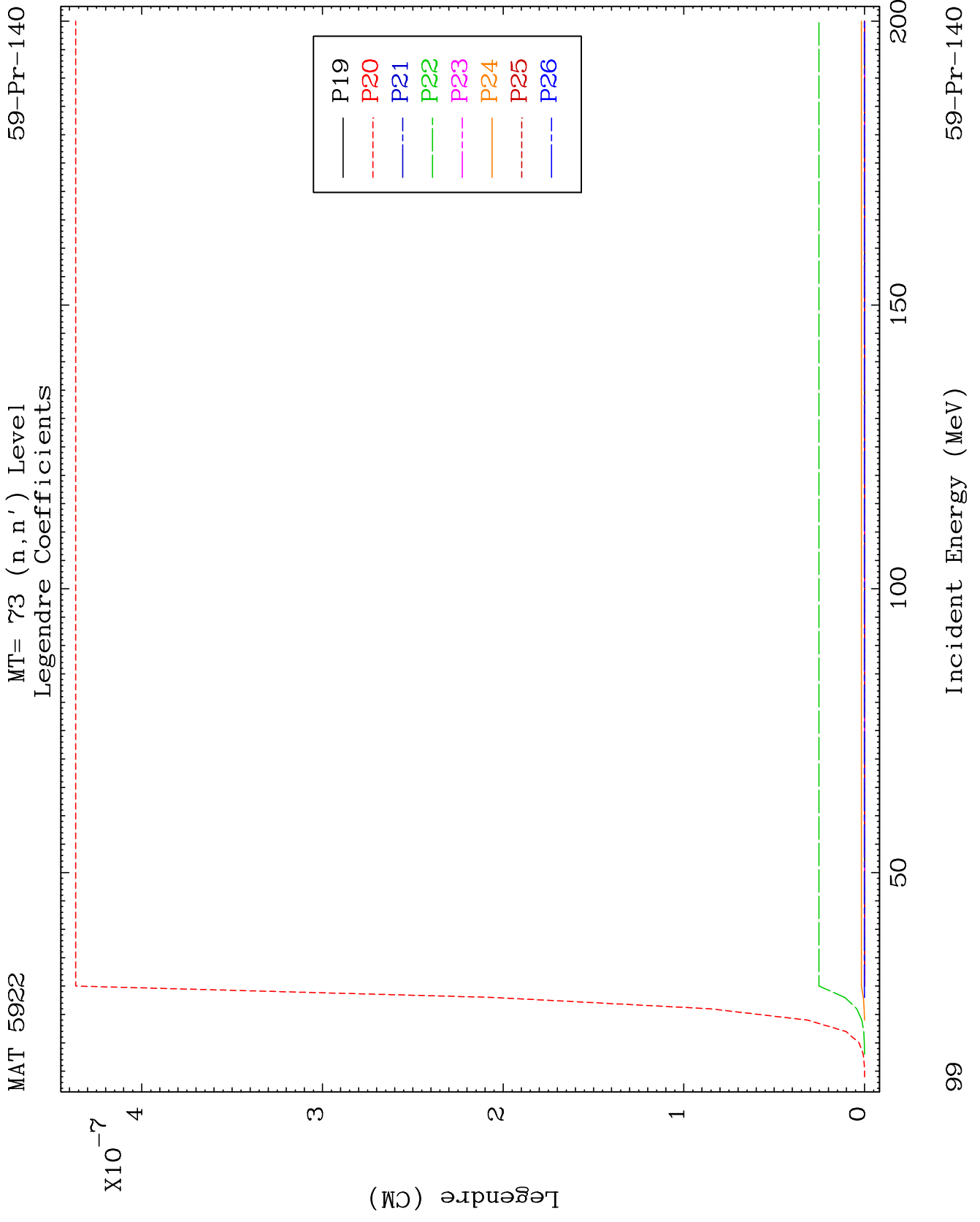
59-Pr-140



98

Incident Energy (MeV)

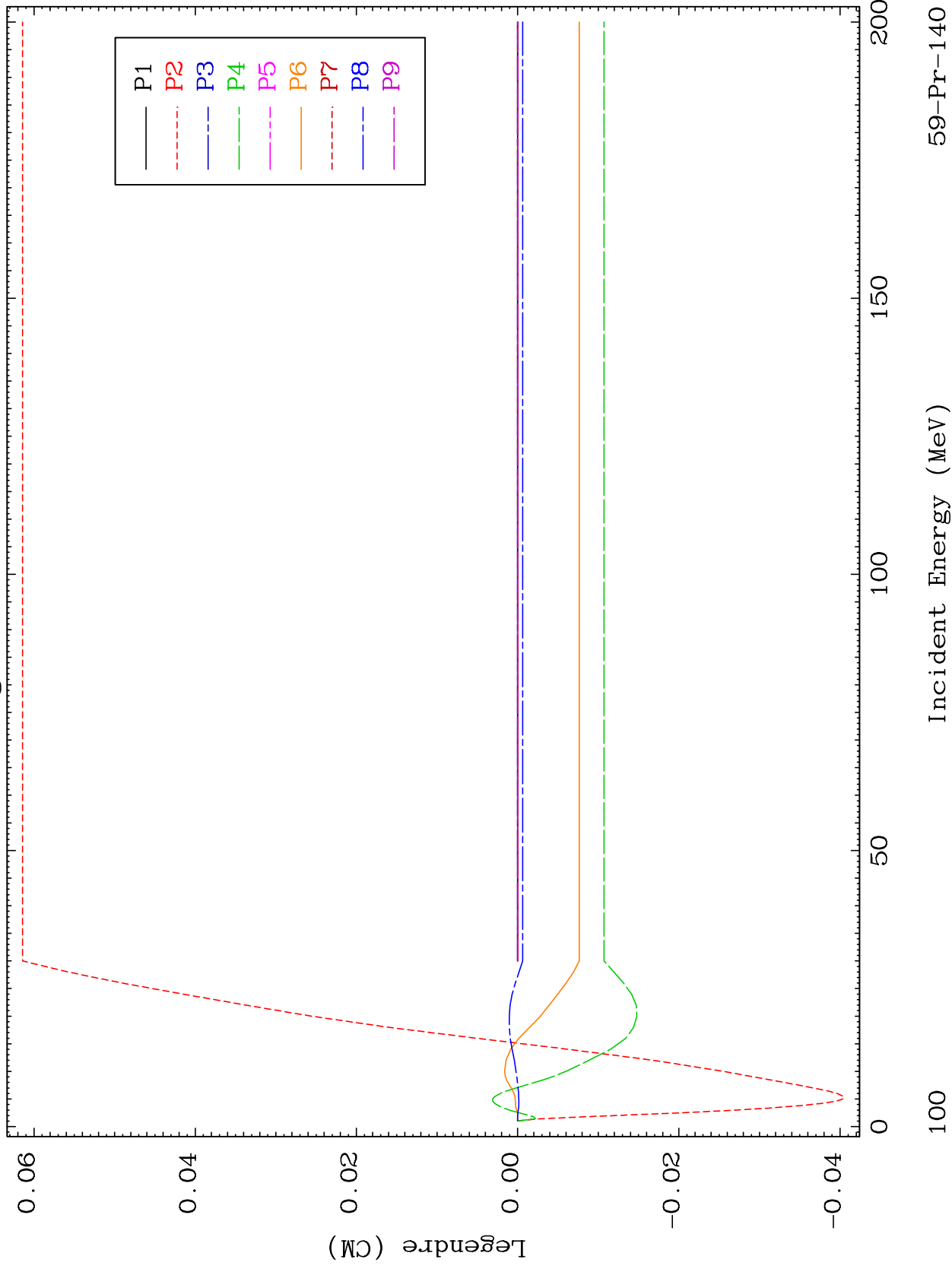
59-Pr-140



MAT 5922

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

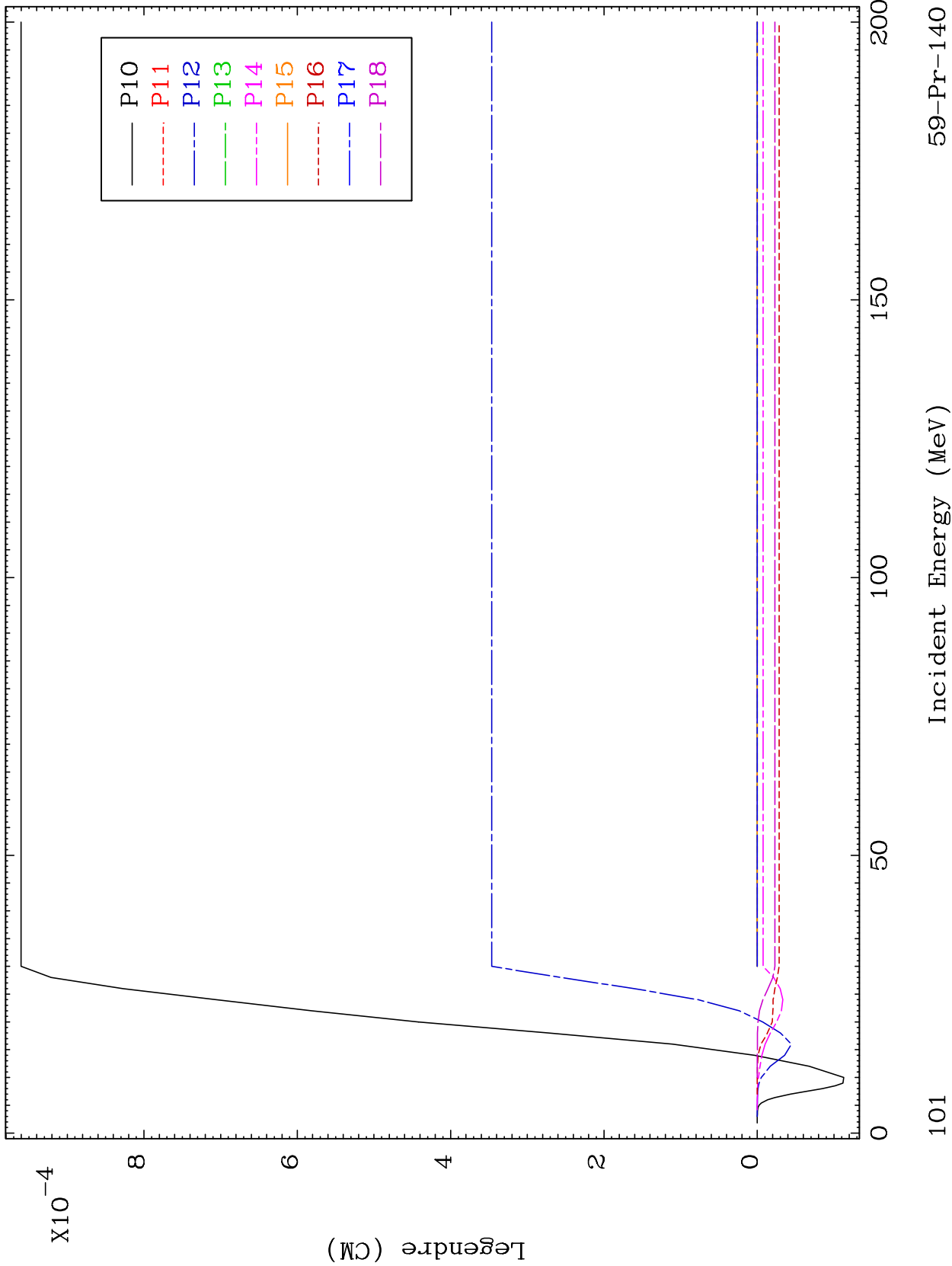
59-Pr-140



MAT 5922

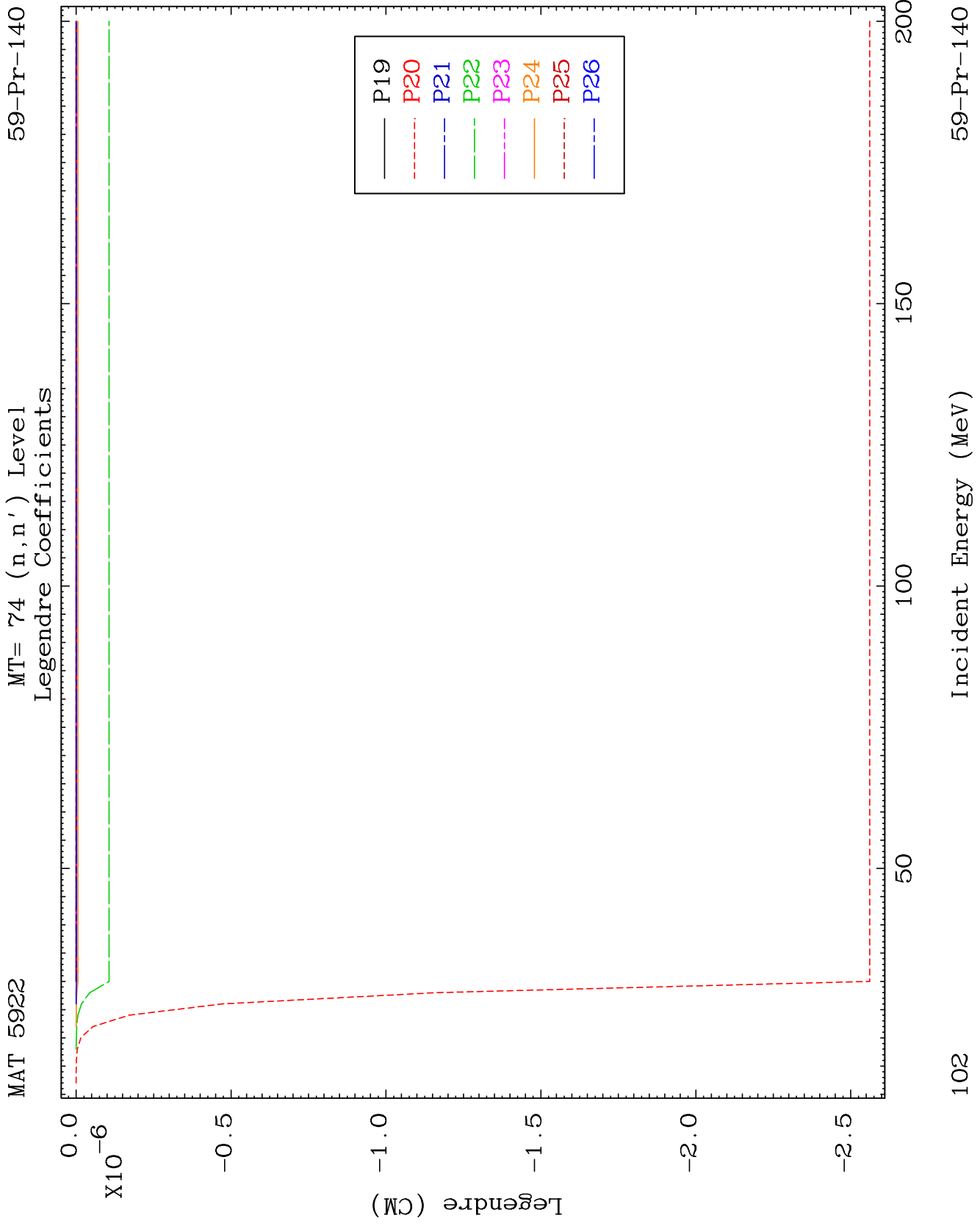
MT= 74 (n,n') Level
Legendre Coefficients

59-Pr-140



101

59-Pr-140

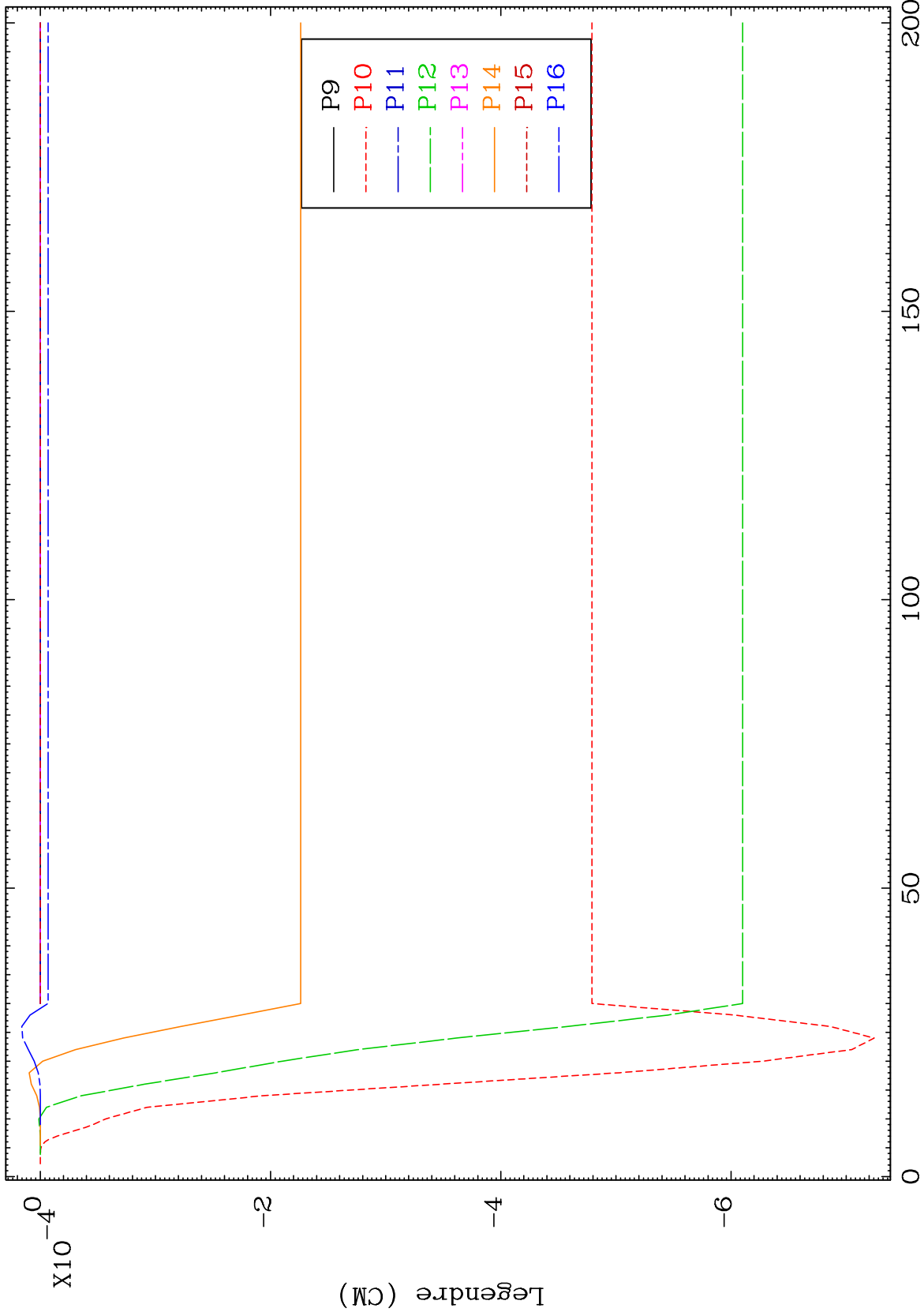


MAT 5922

MT= 75 (n,n') Level

59-Pr-140

Legendre Coefficients



0

50

100

150

200

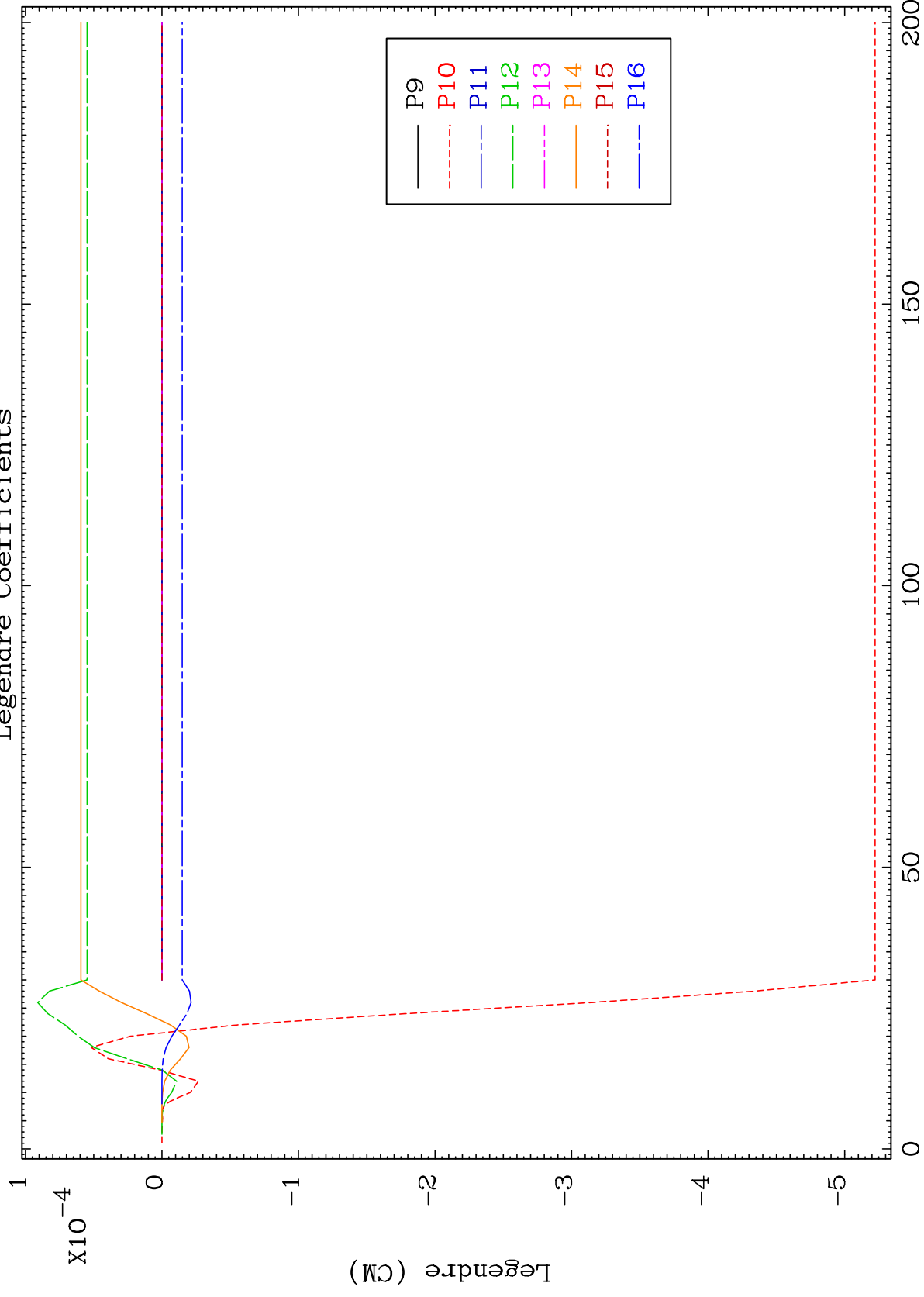
59-Pr-140

Incident Energy (MeV)

MAT 5922

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

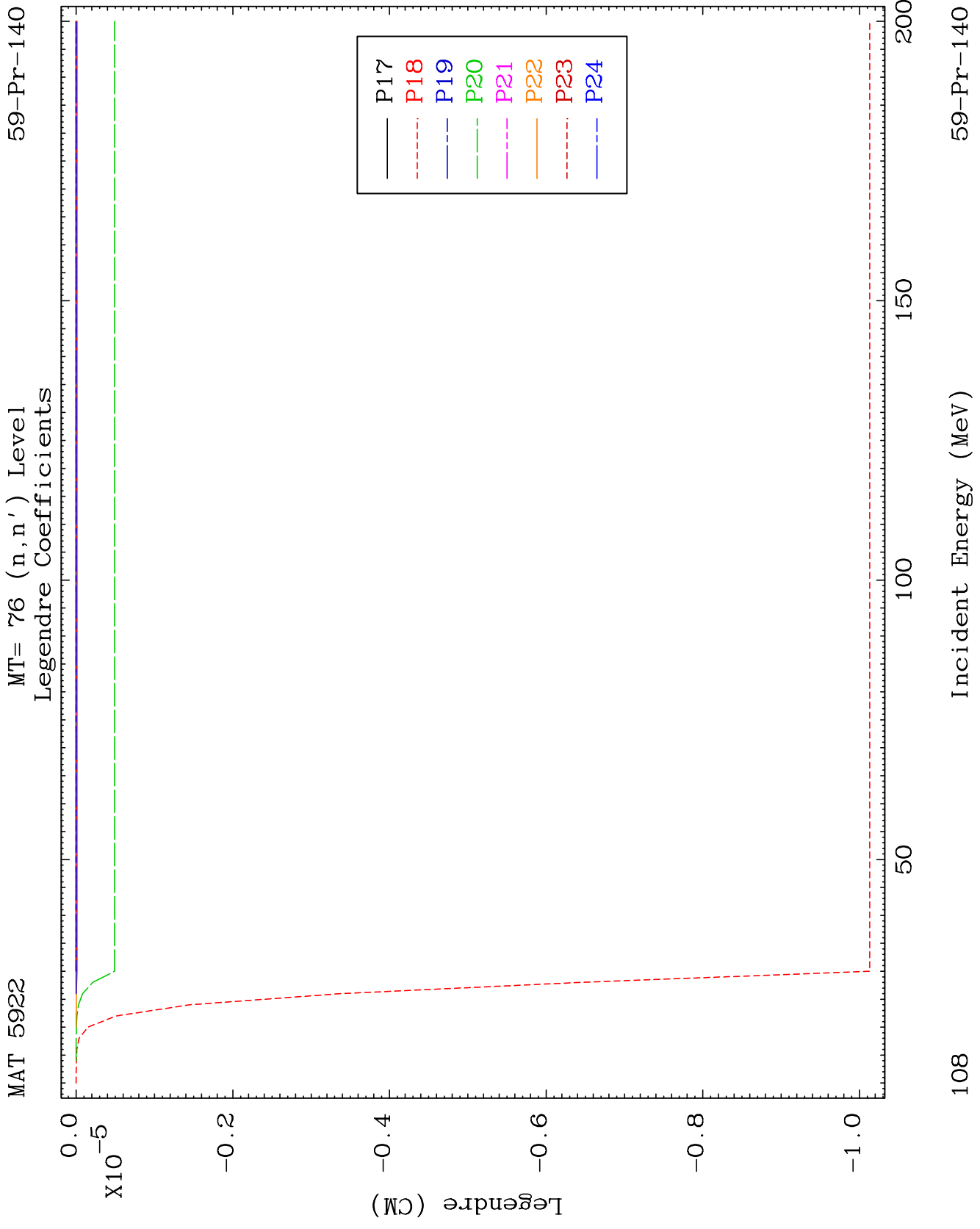
59-Pr-140



107

Incident Energy (MeV)

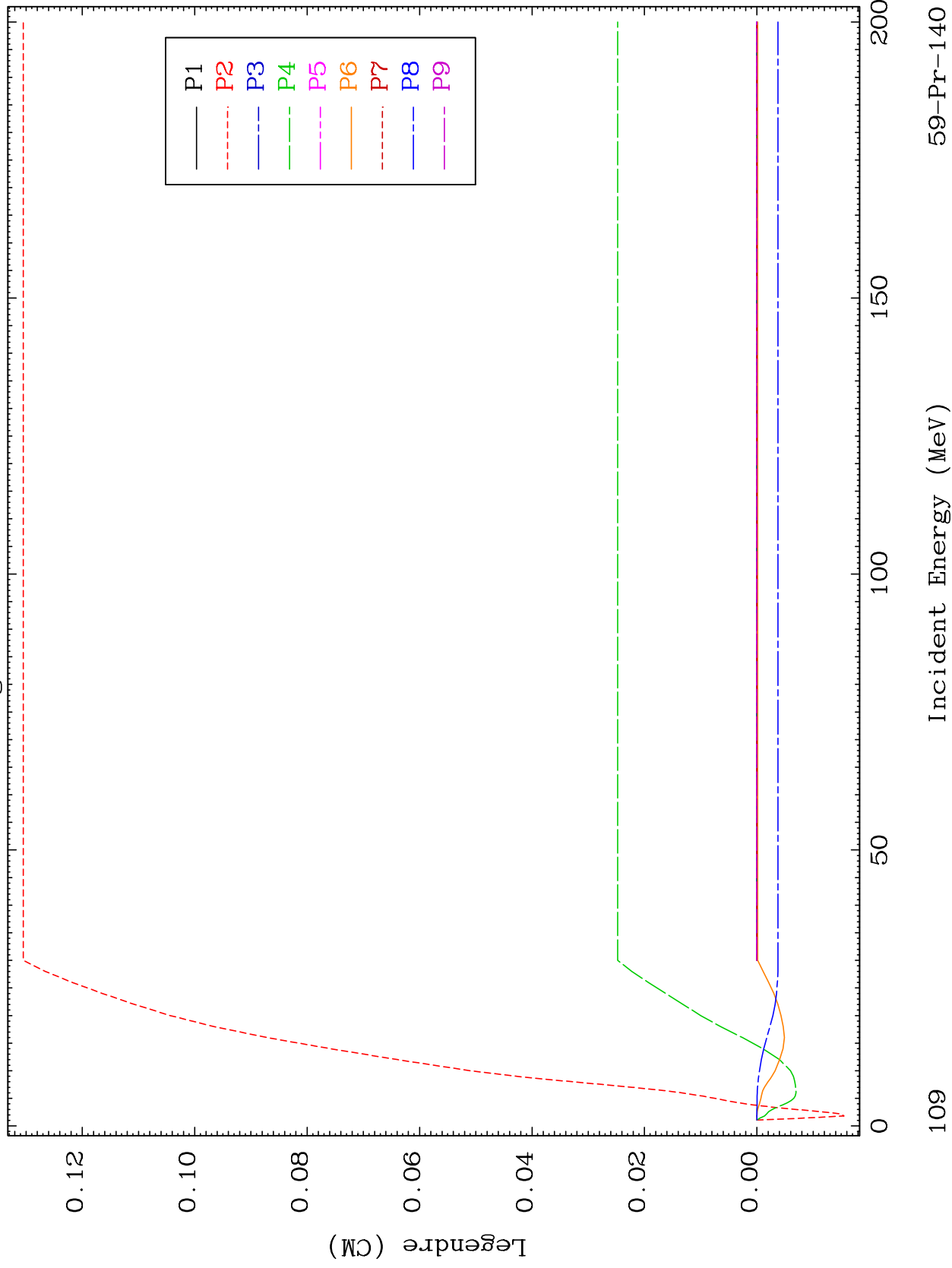
59-Pr-140



MAT 5922

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

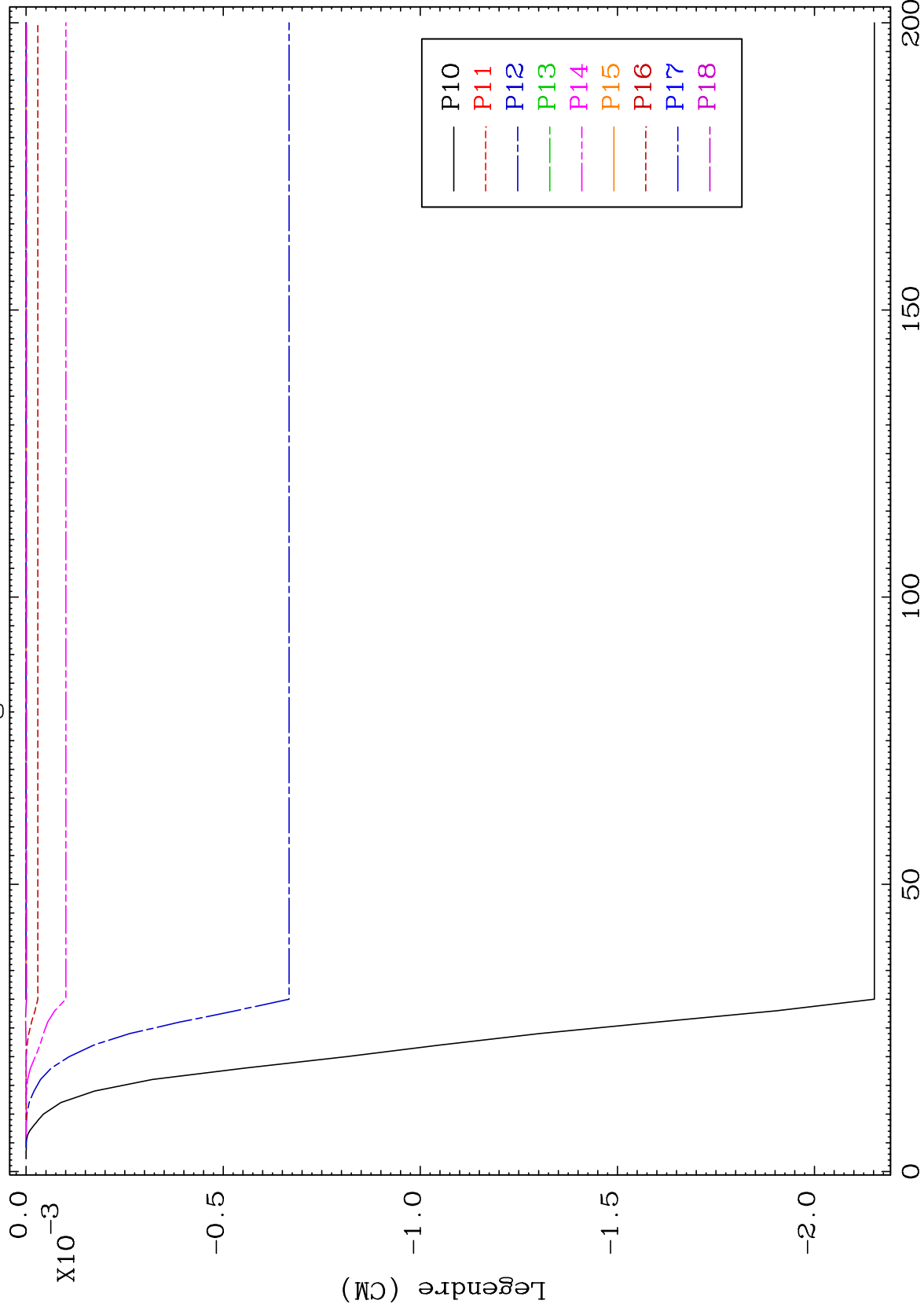
59-Pr-140



MAT 5922

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

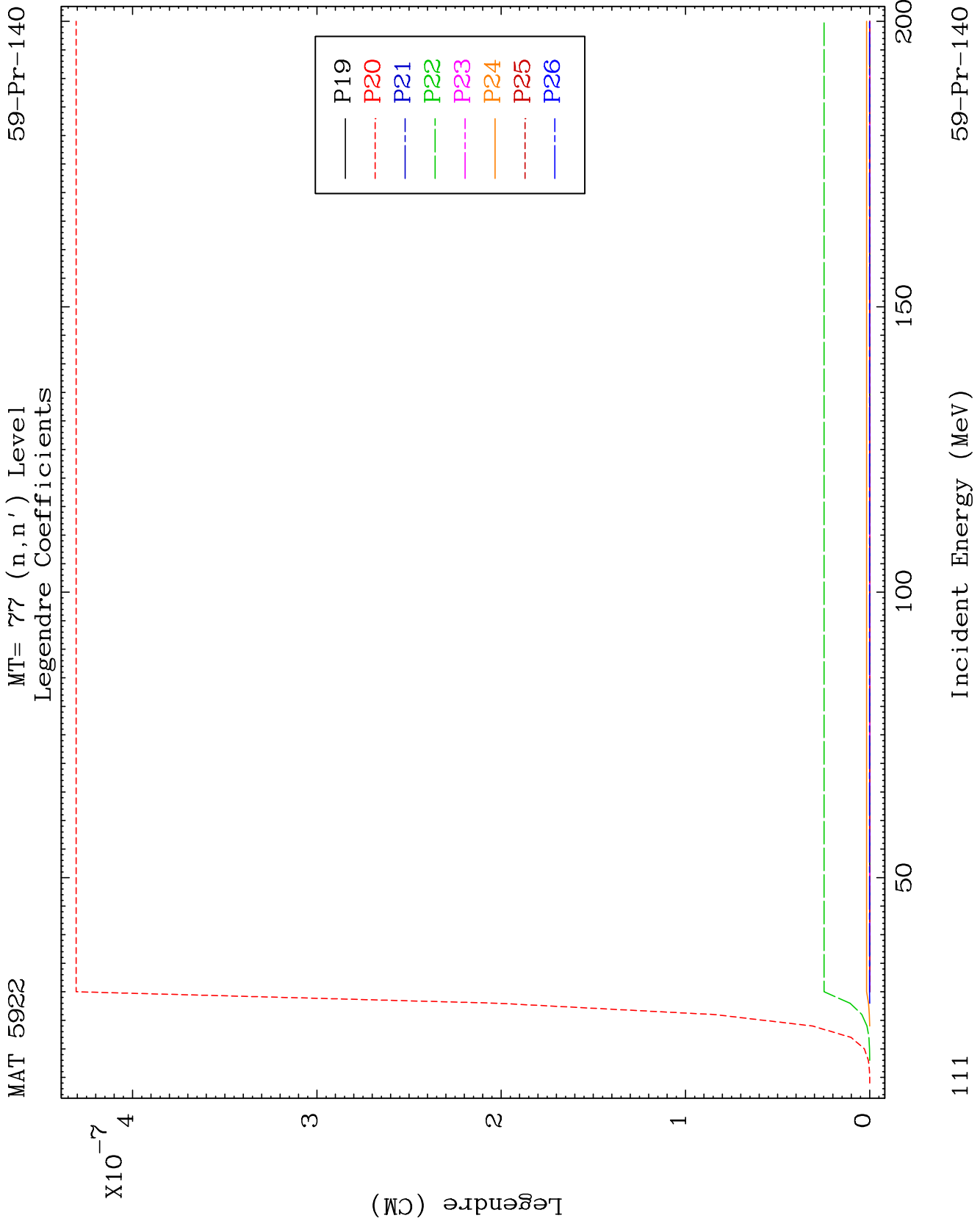
59-Pr-140



110

Incident Energy (MeV)

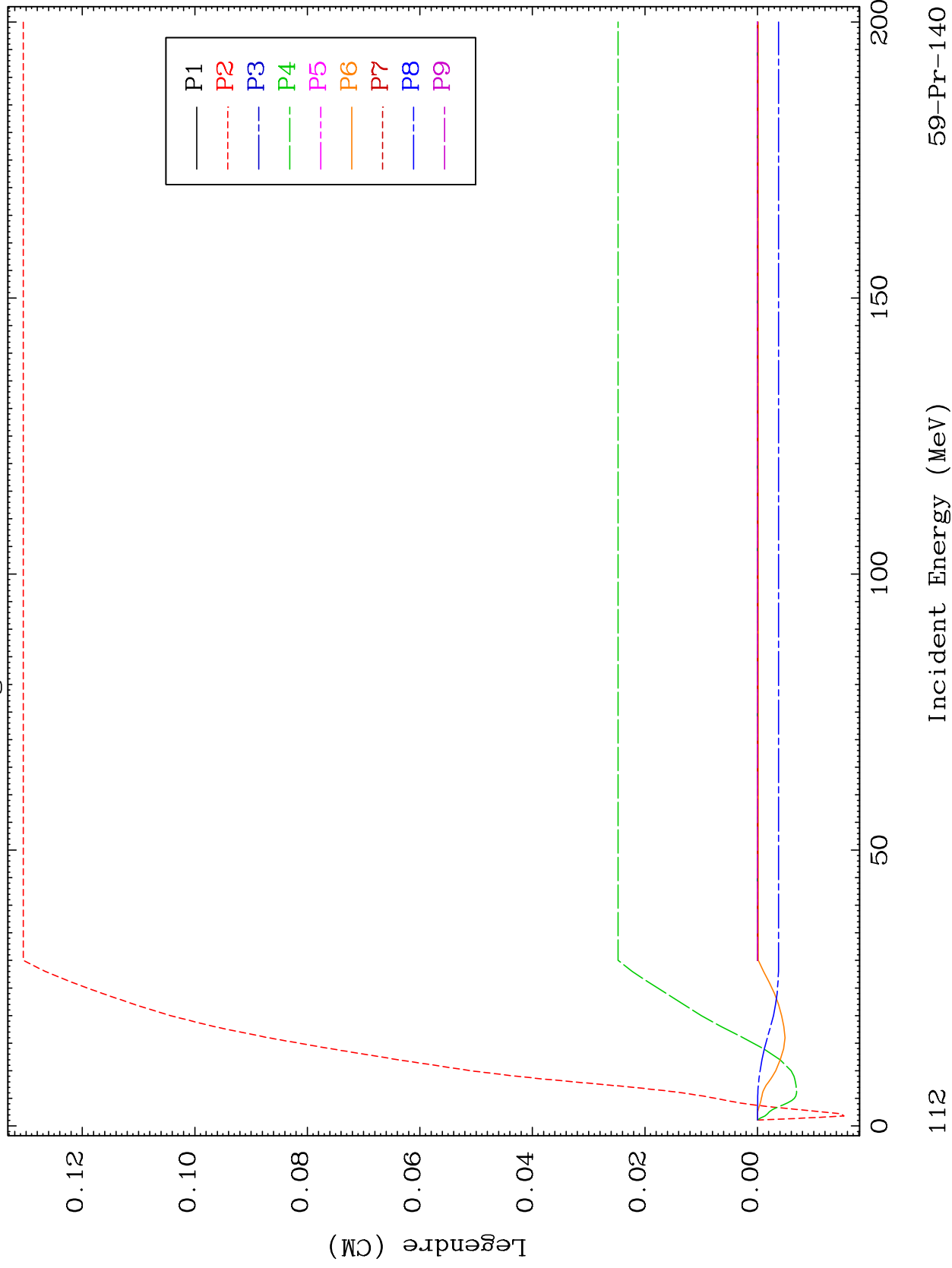
59-Pr-140



MAT 5922

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

59-Pr-140



59-Pr-140

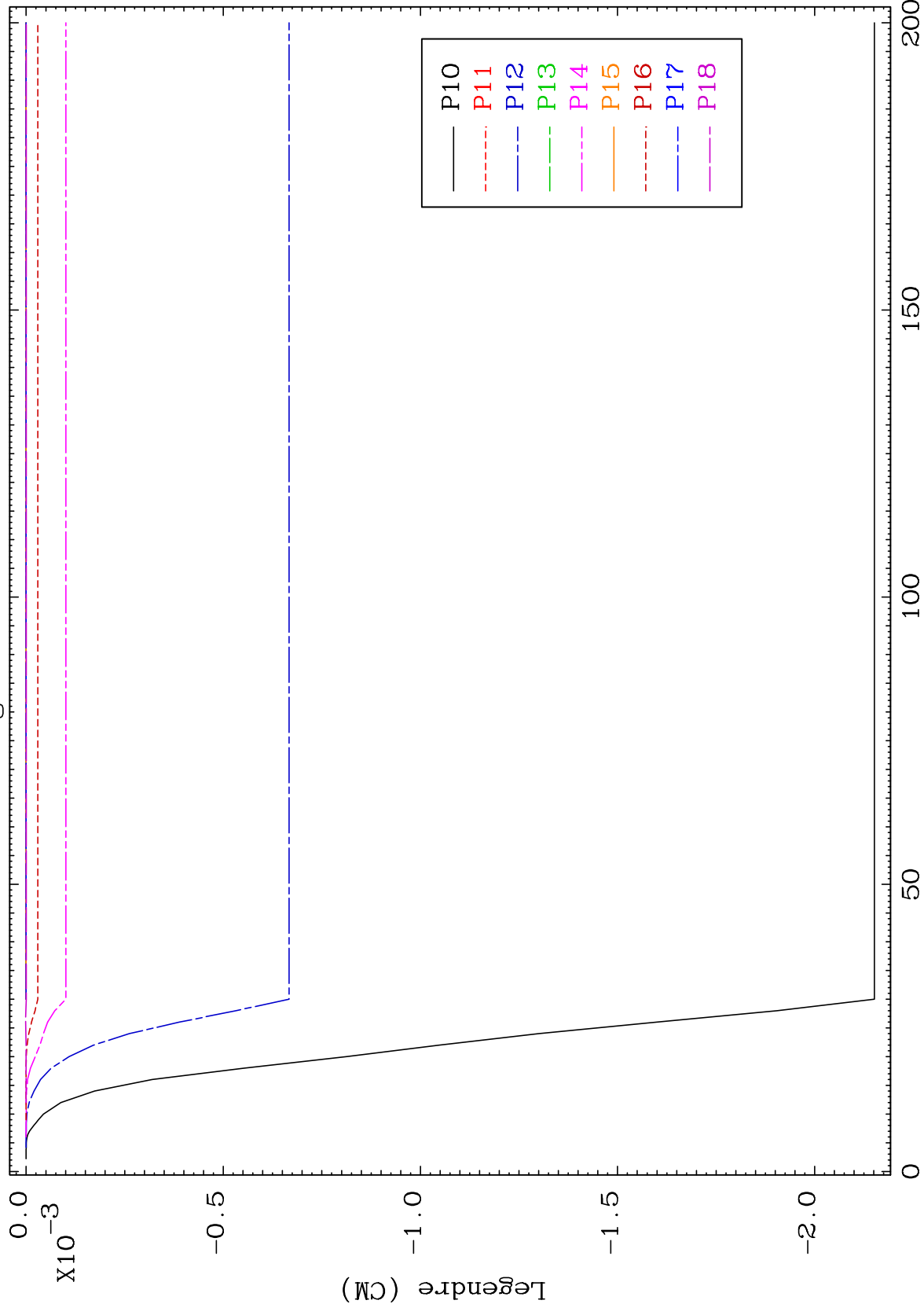
Incident Energy (MeV)

112

MAT 5922

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

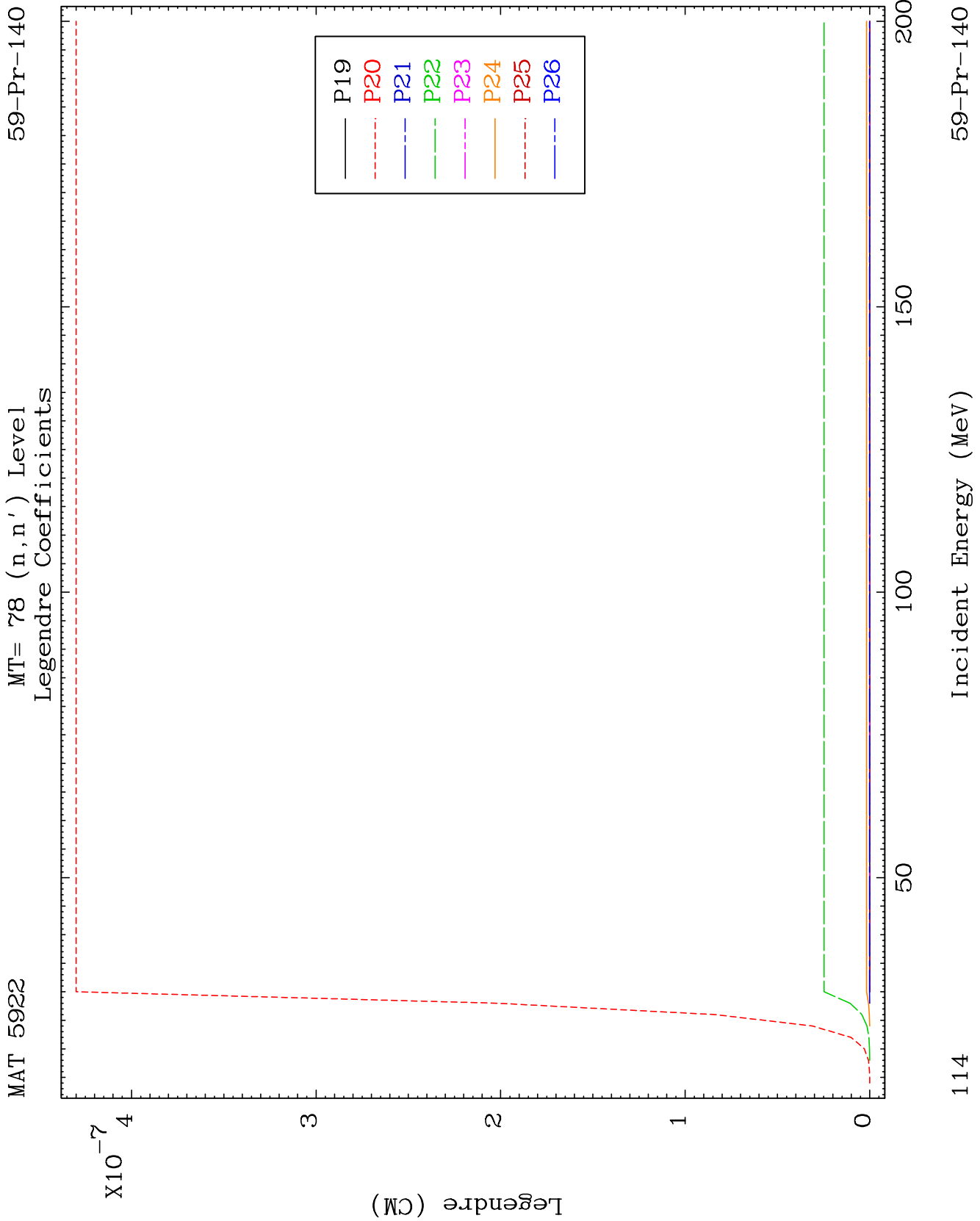
59-Pr-140



113

Incident Energy (MeV)

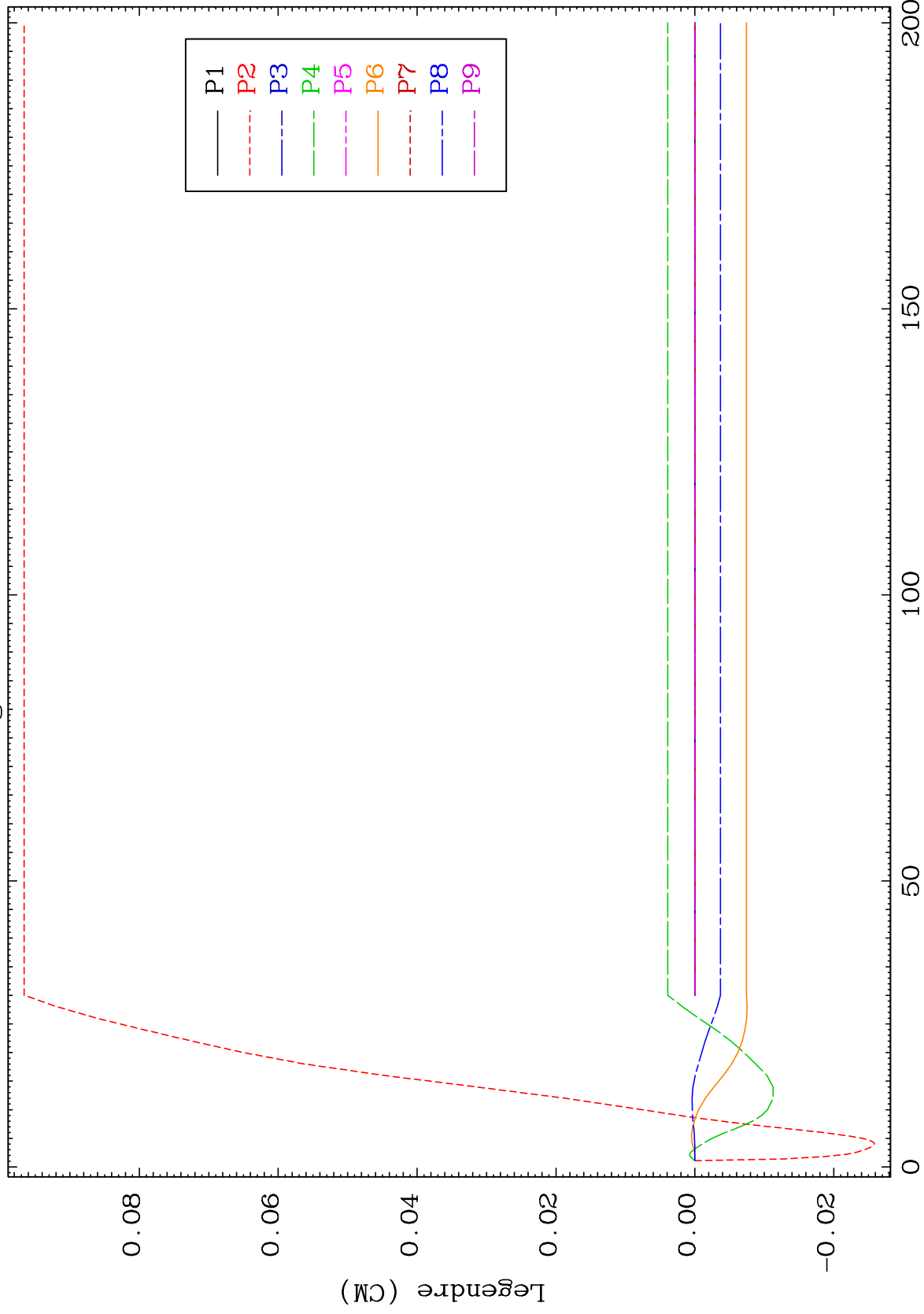
59-Pr-140



MAT 5922

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

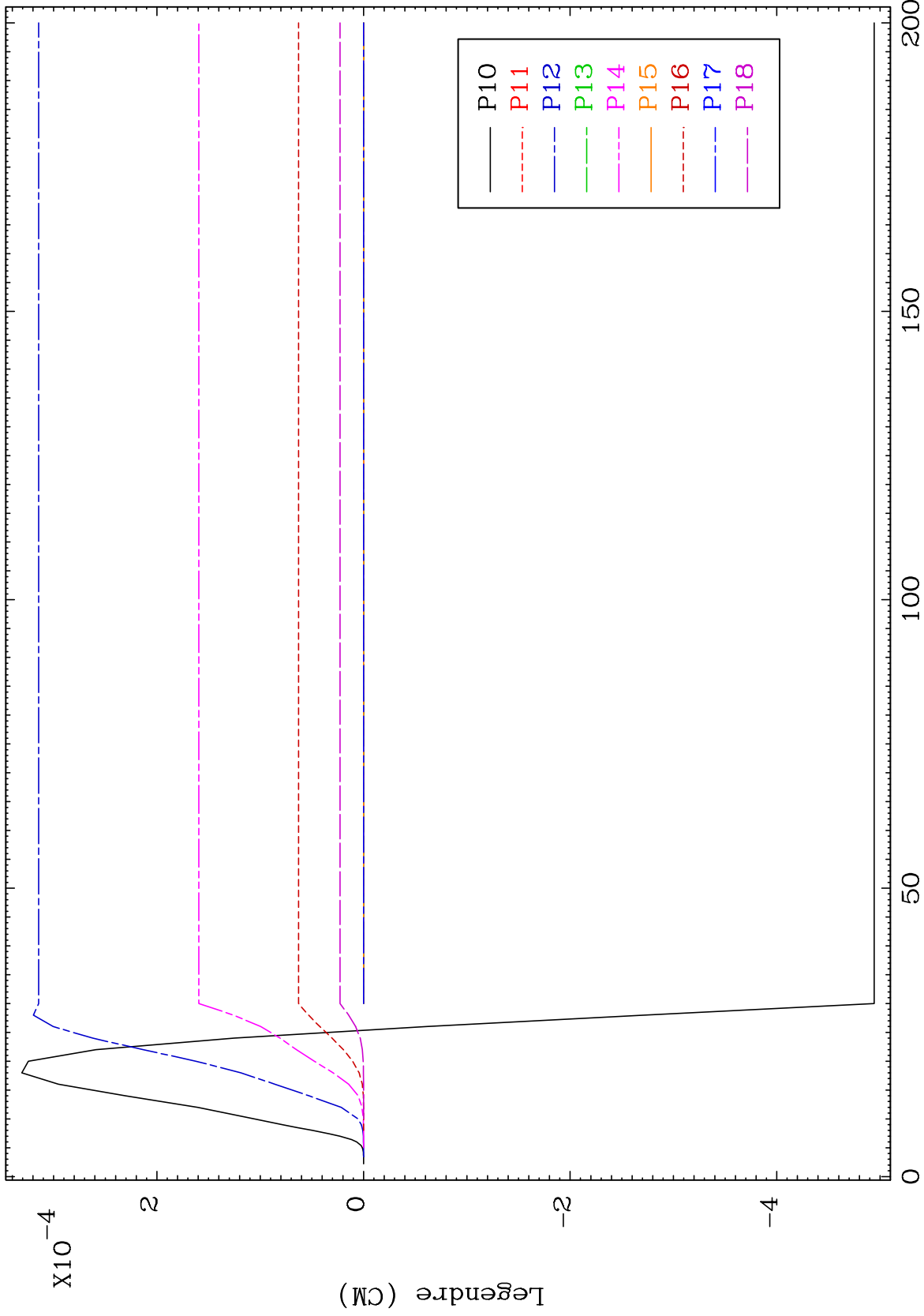
59-Pr-140

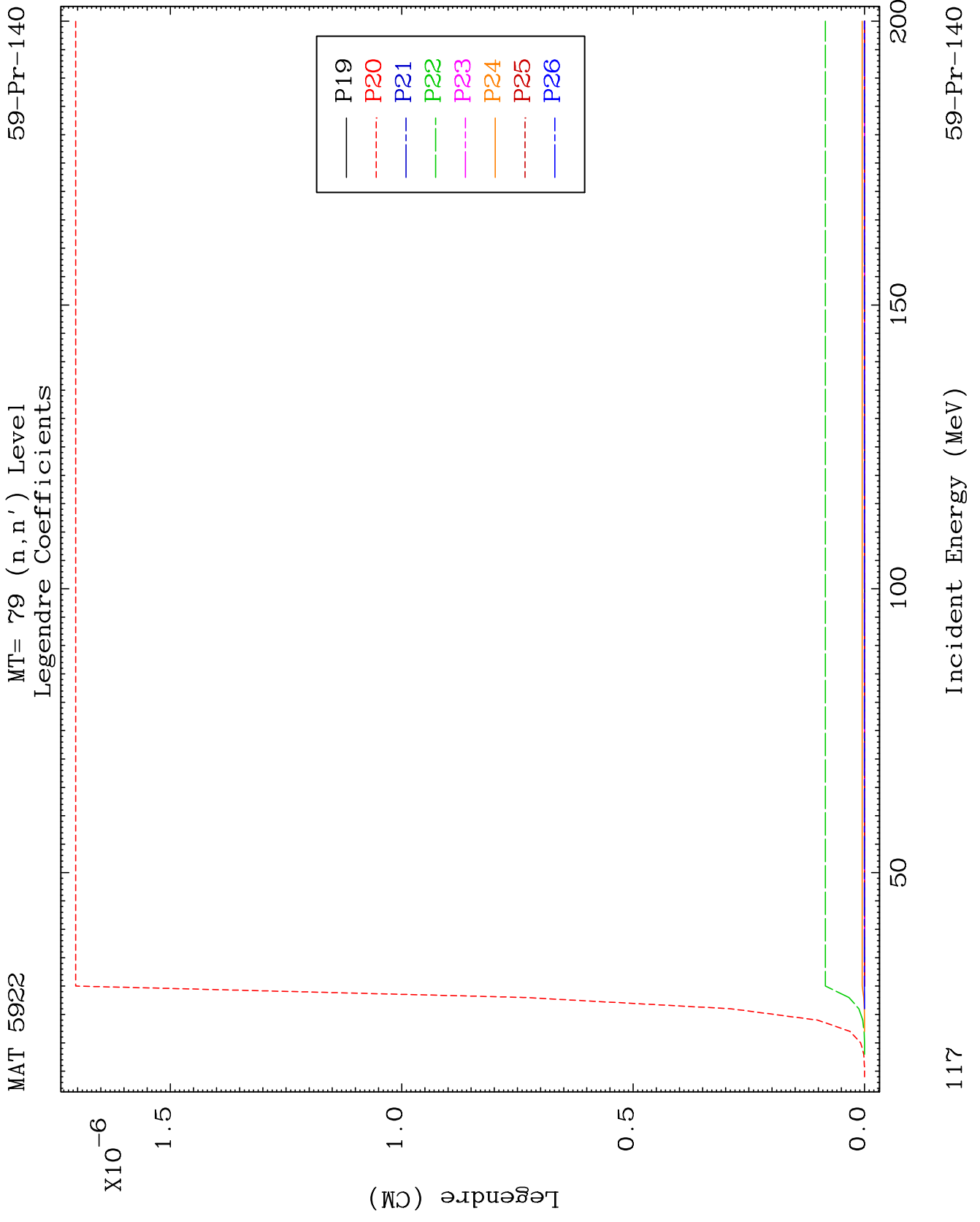


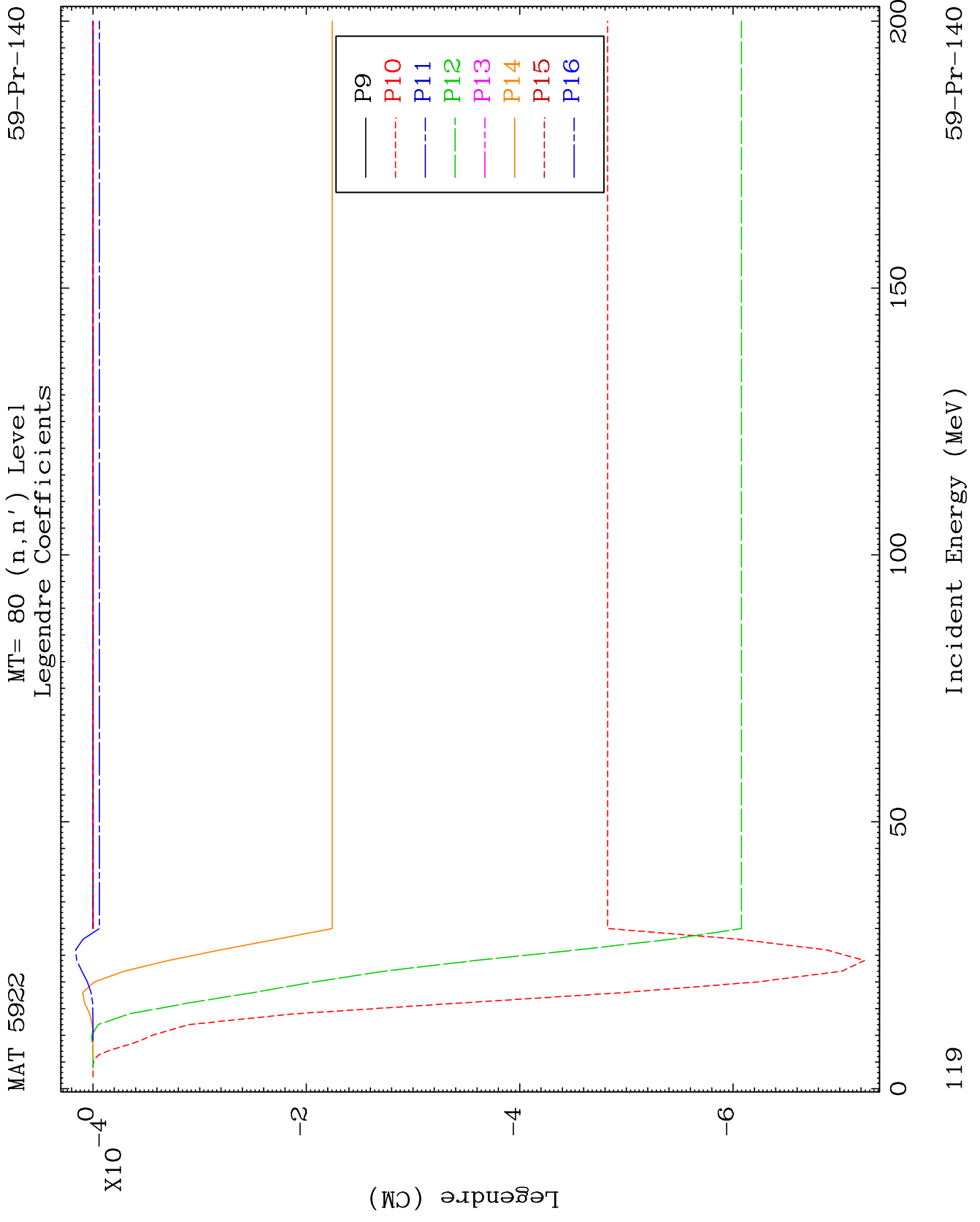
59-Pr-140

Incident Energy (MeV)

115





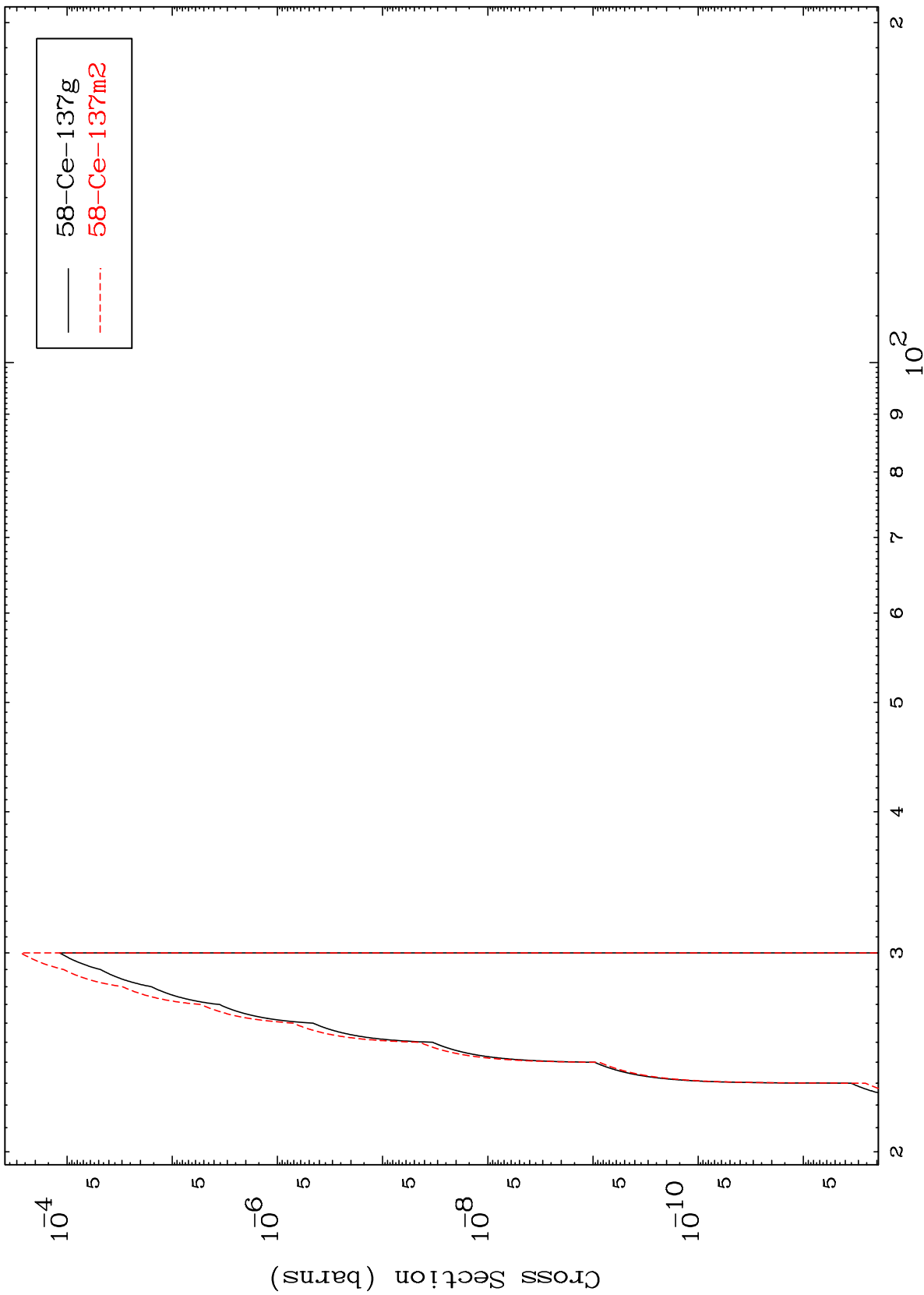


MAT 59222

(n,2n) d

59-Pr-140

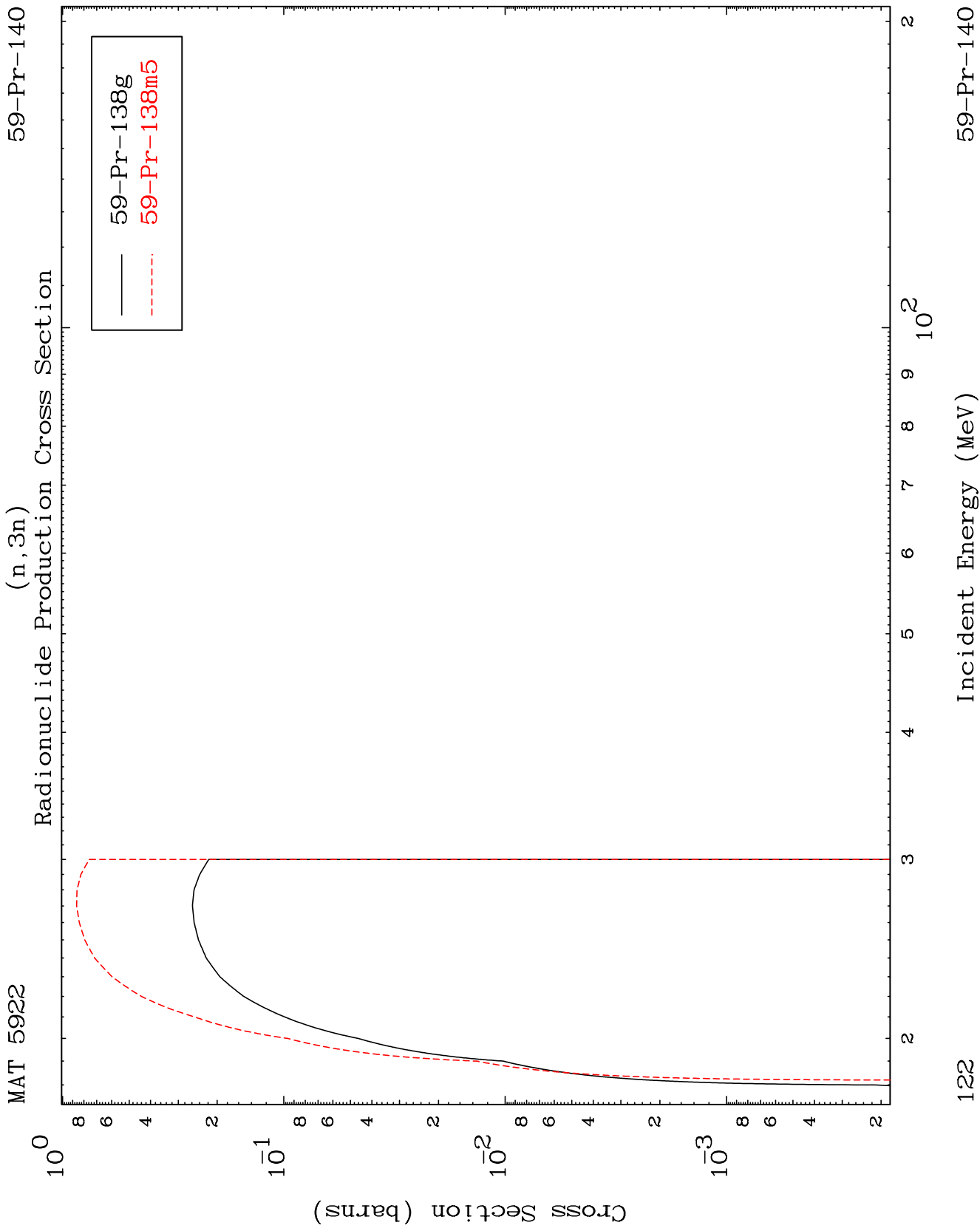
Radionuclide Production Cross Section



121

Incident Energy (MeV)

59-Pr-140

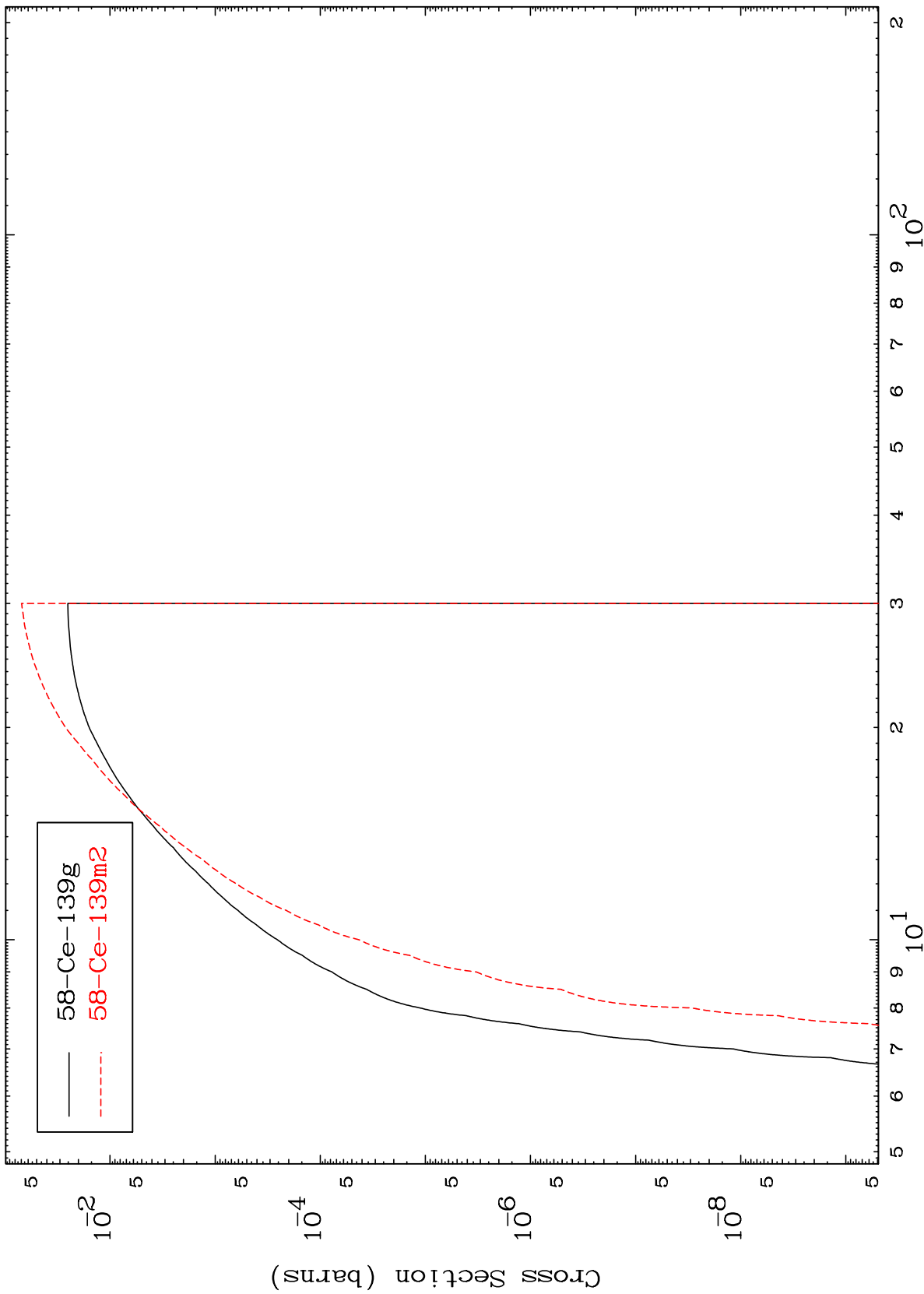


MAT 5922

(n,n') p

59-Pr-140

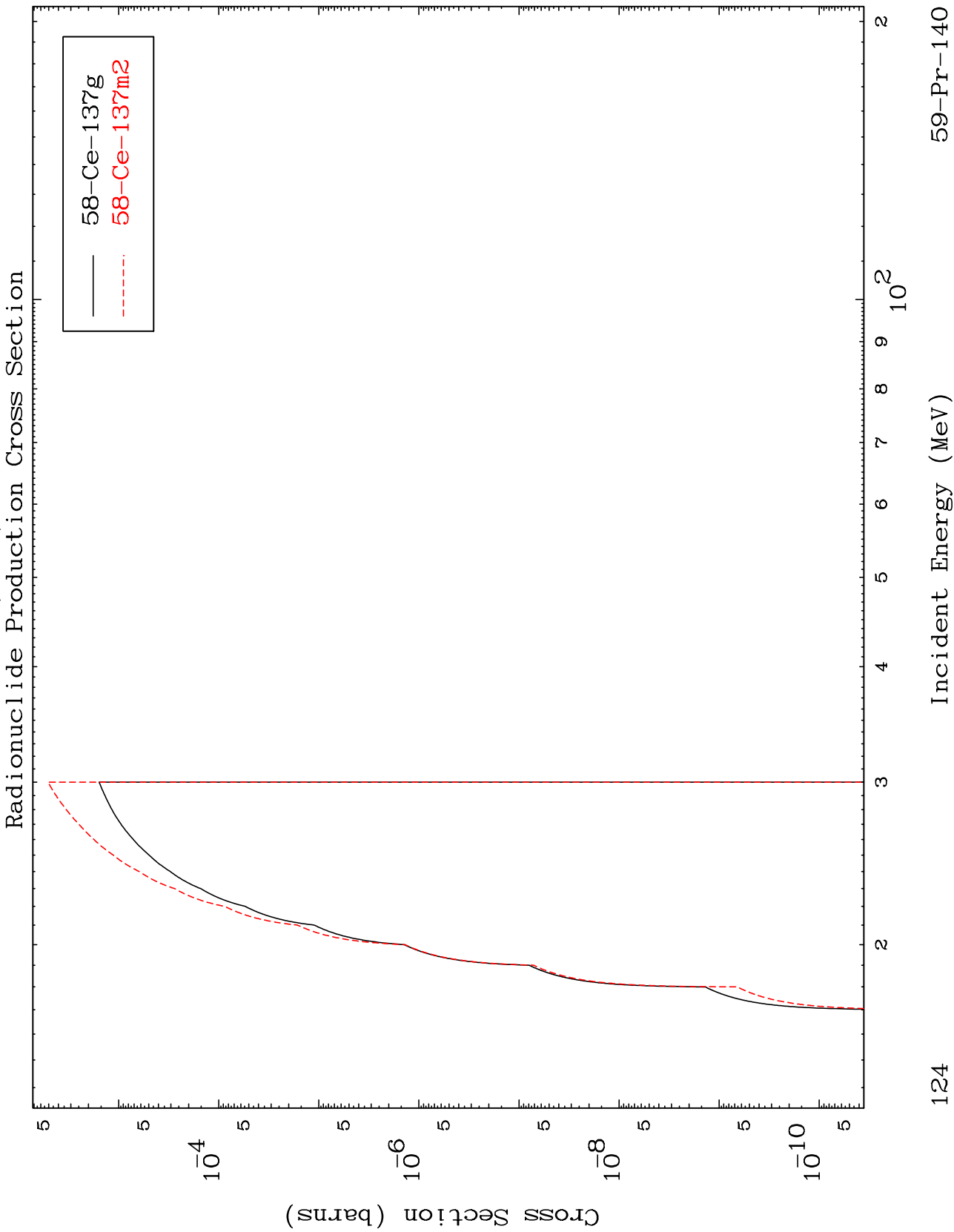
Radionuclide Production Cross Section



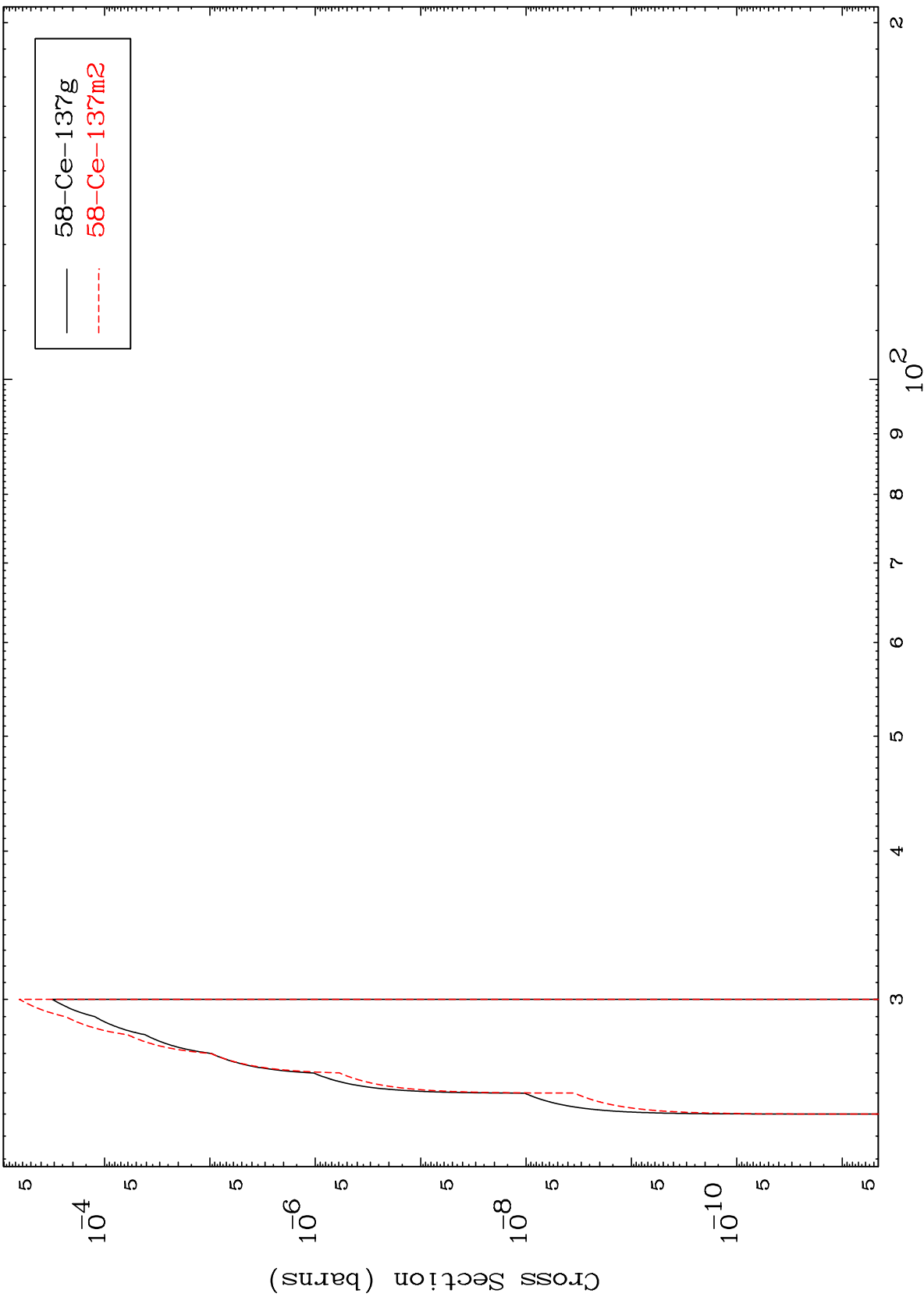
123

Incident Energy (MeV)

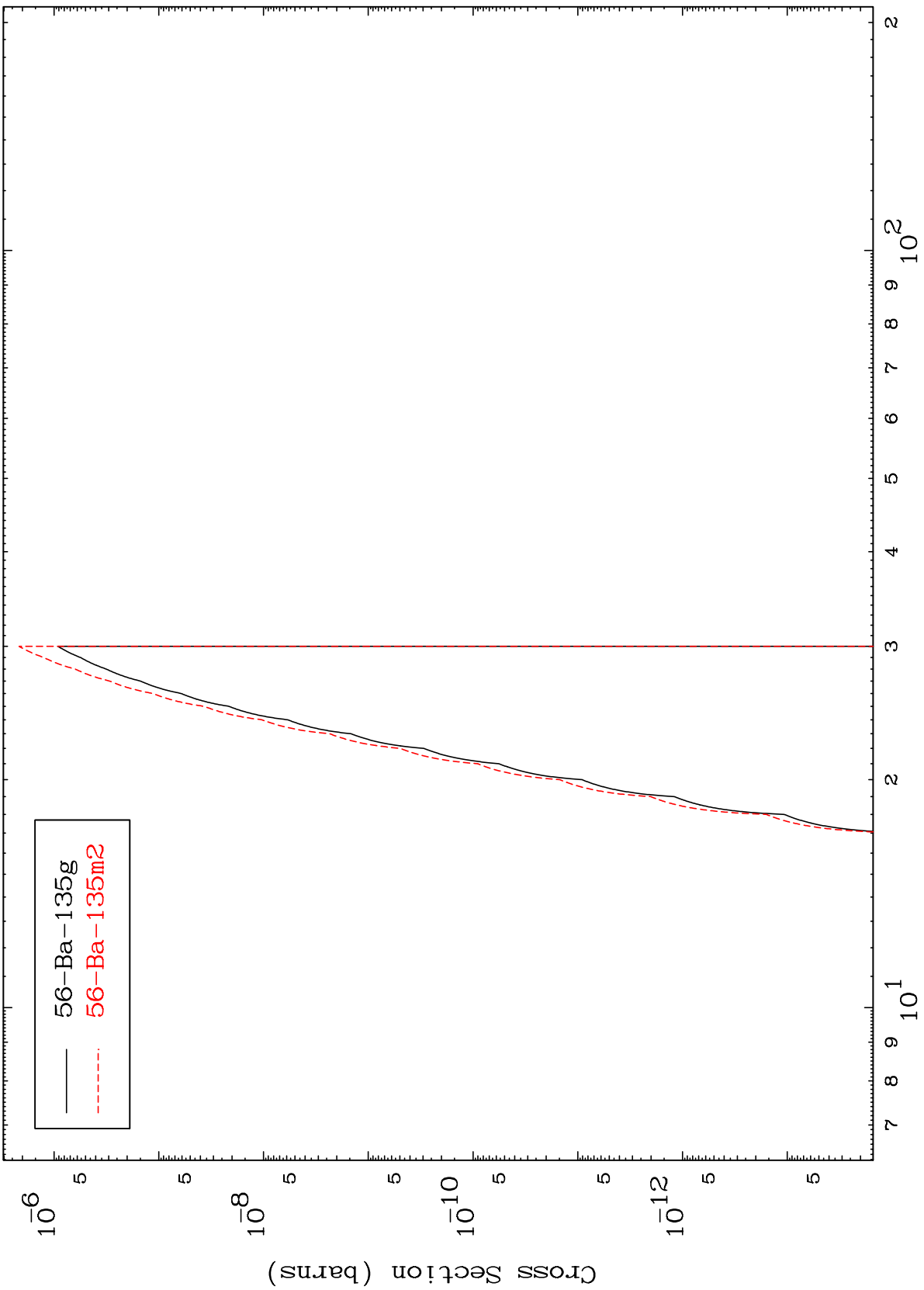
59-Pr-140



Radionuclide Production Cross Section



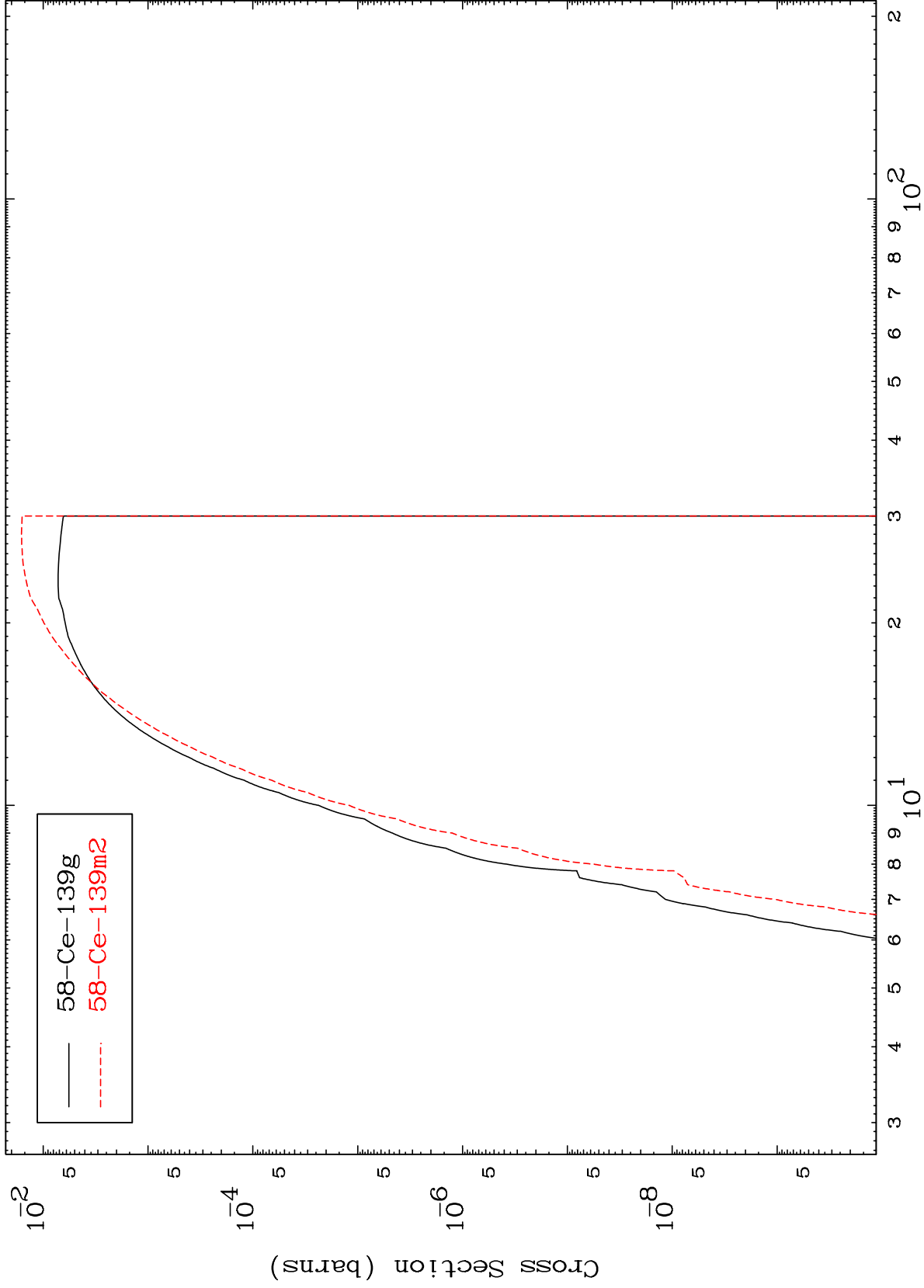
Radionuclide Production Cross Section



MAT 5922

59-Pr-140

(n,d)
Radionuclide Production Cross Section



127

59-Pr-140

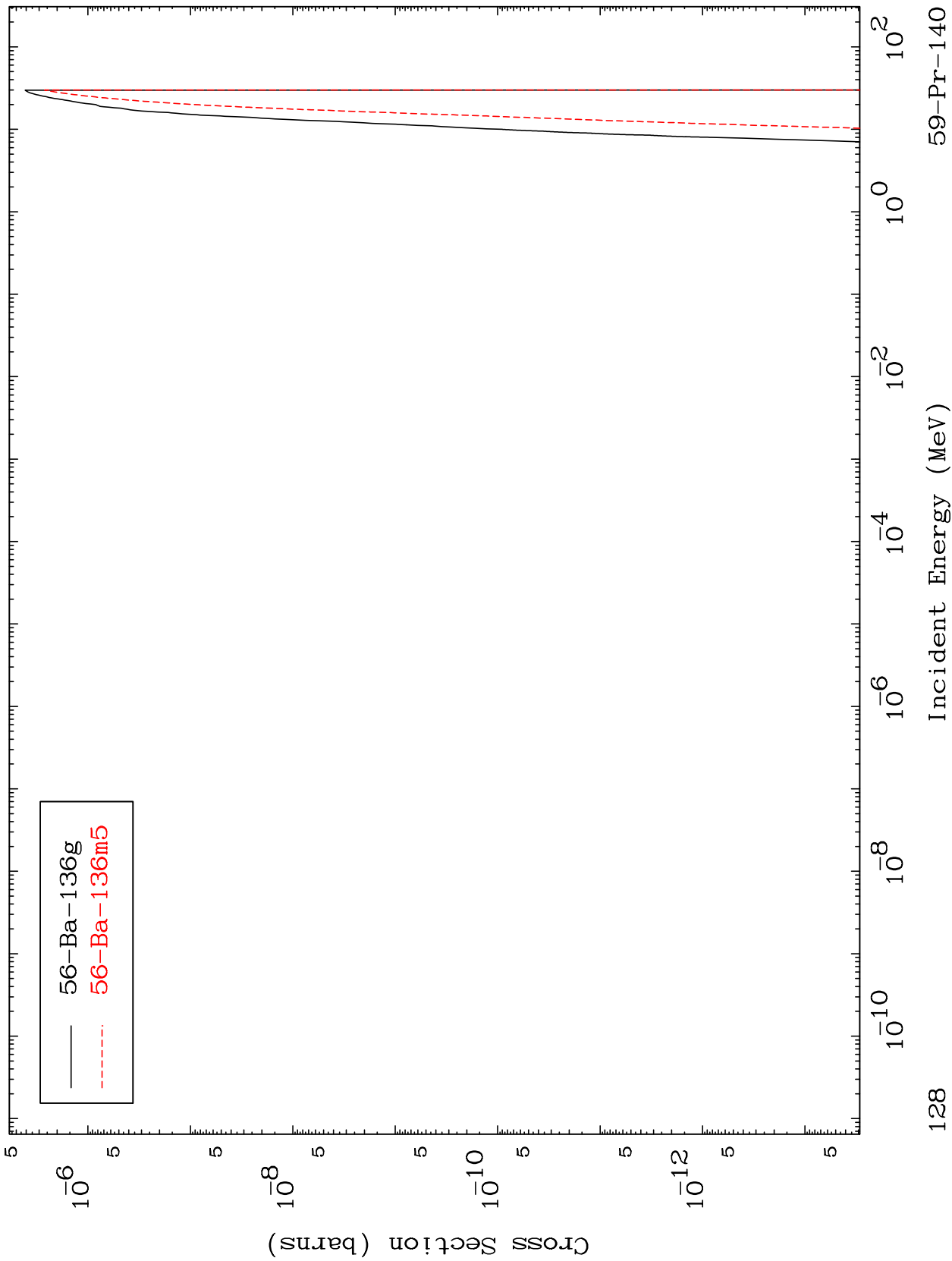
Incident Energy (MeV)

MAT 5922

(n,p) α

59-Pr-140

Radionuclide Production Cross Section



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

Radionuclide Production Cross Section

