

Program EVALPLOT
(Version 2021-1)

by

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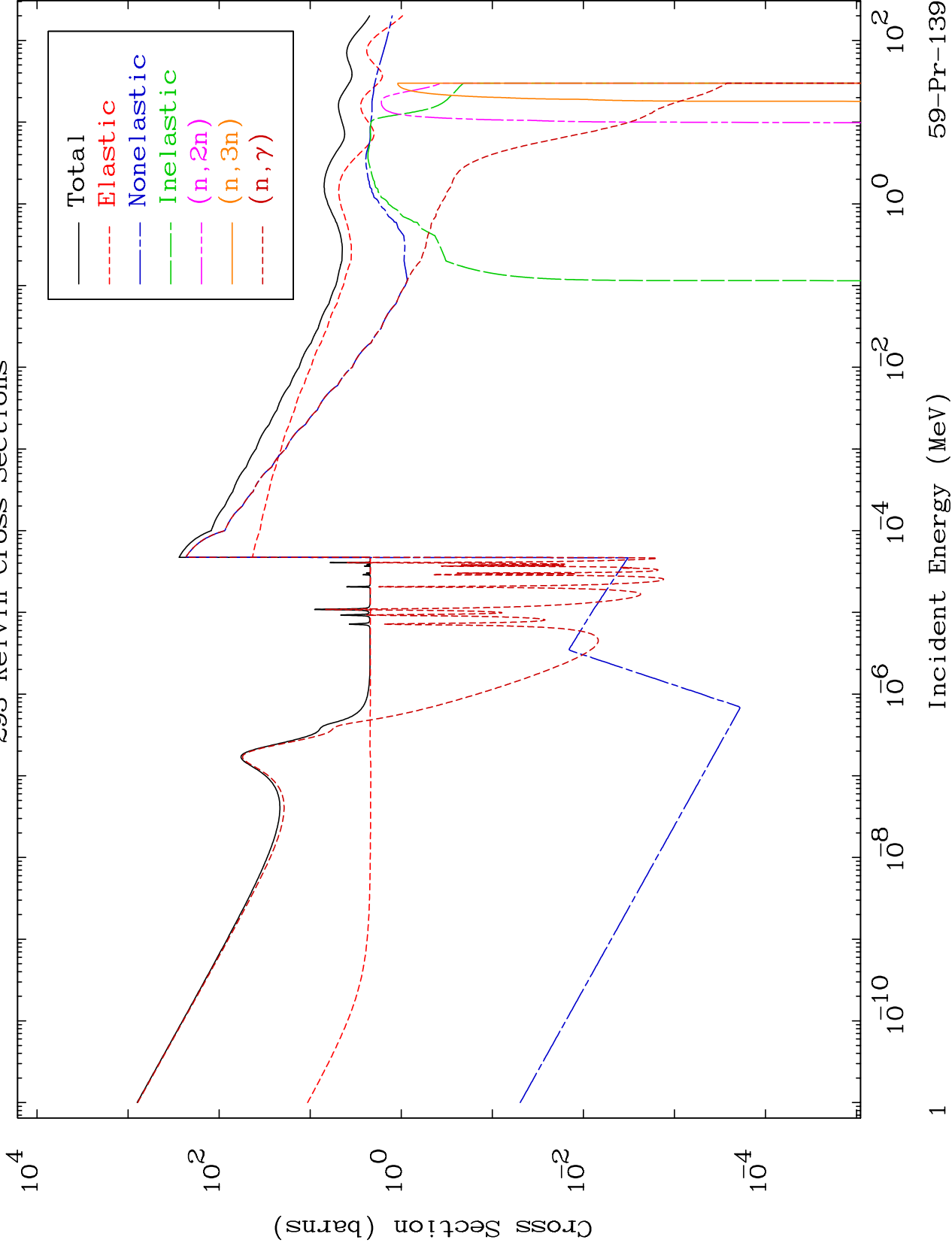
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5919

Neutron Major
293 Kelvin Cross Sections

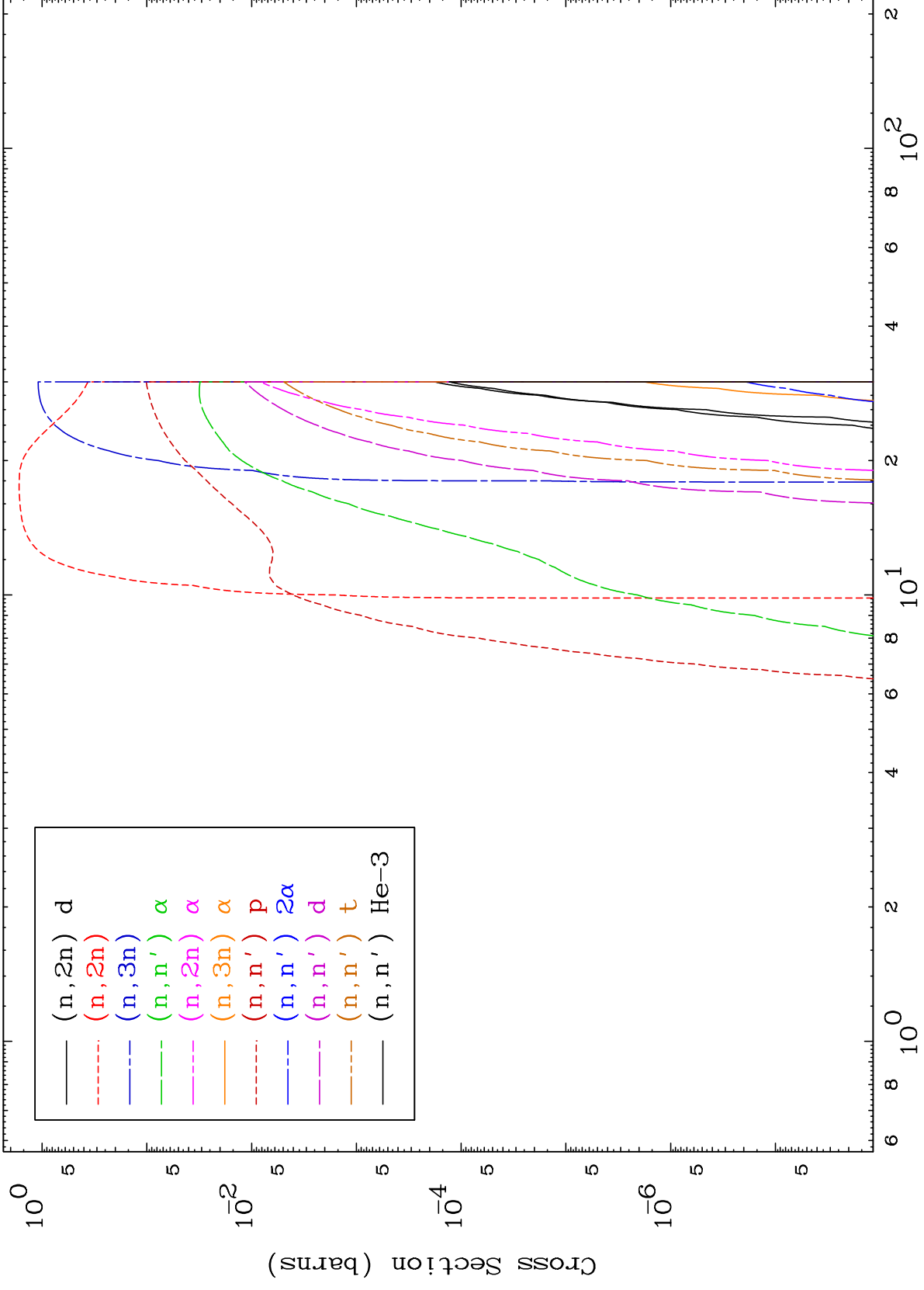
59-Pr-139



MAT 5919

Neutron Absorption
293 Kelvin Cross Sections

59-Pr-139

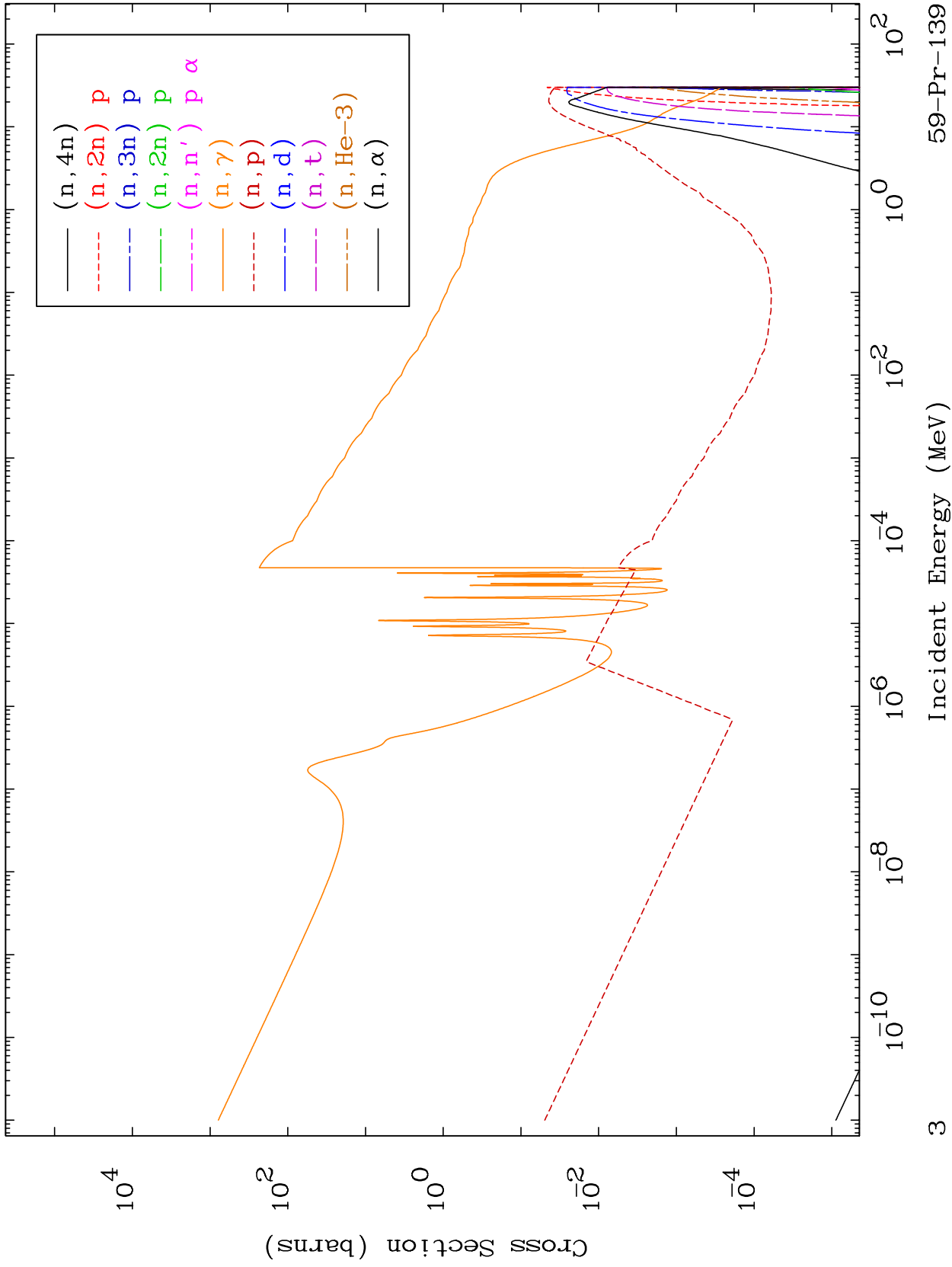


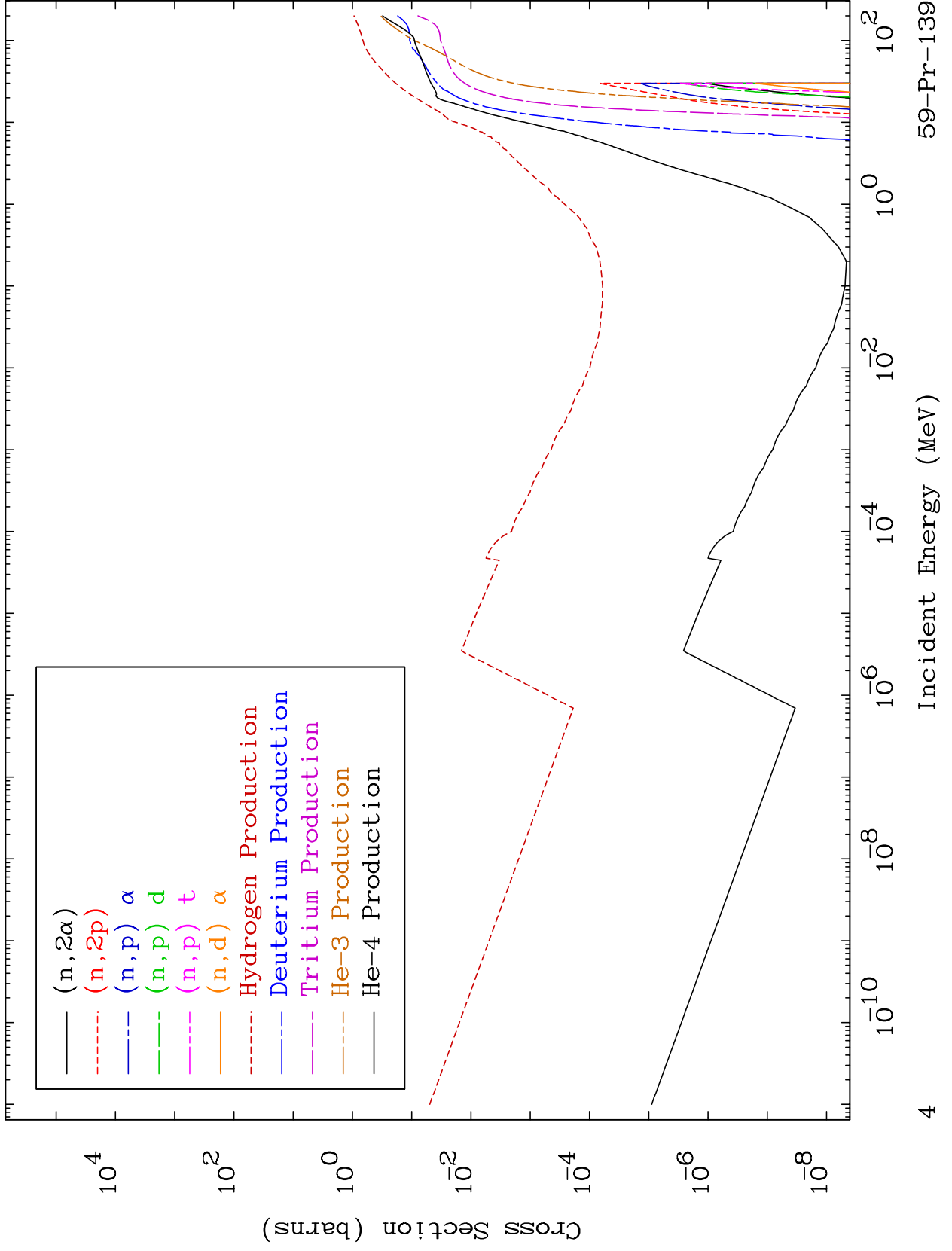
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- - -	(n,2n)
- · - ·	(n,3n)
—	(n,n') α
- - -	(n,2n) α
- · - ·	(n,3n) α
- · - ·	(n,n') p
- · - ·	(n,n') 2 α
- · - ·	(n,n') d
- · - ·	(n,n') t
—	(n,n') He-3

59-Pr-139

Incident Energy (MeV)

2

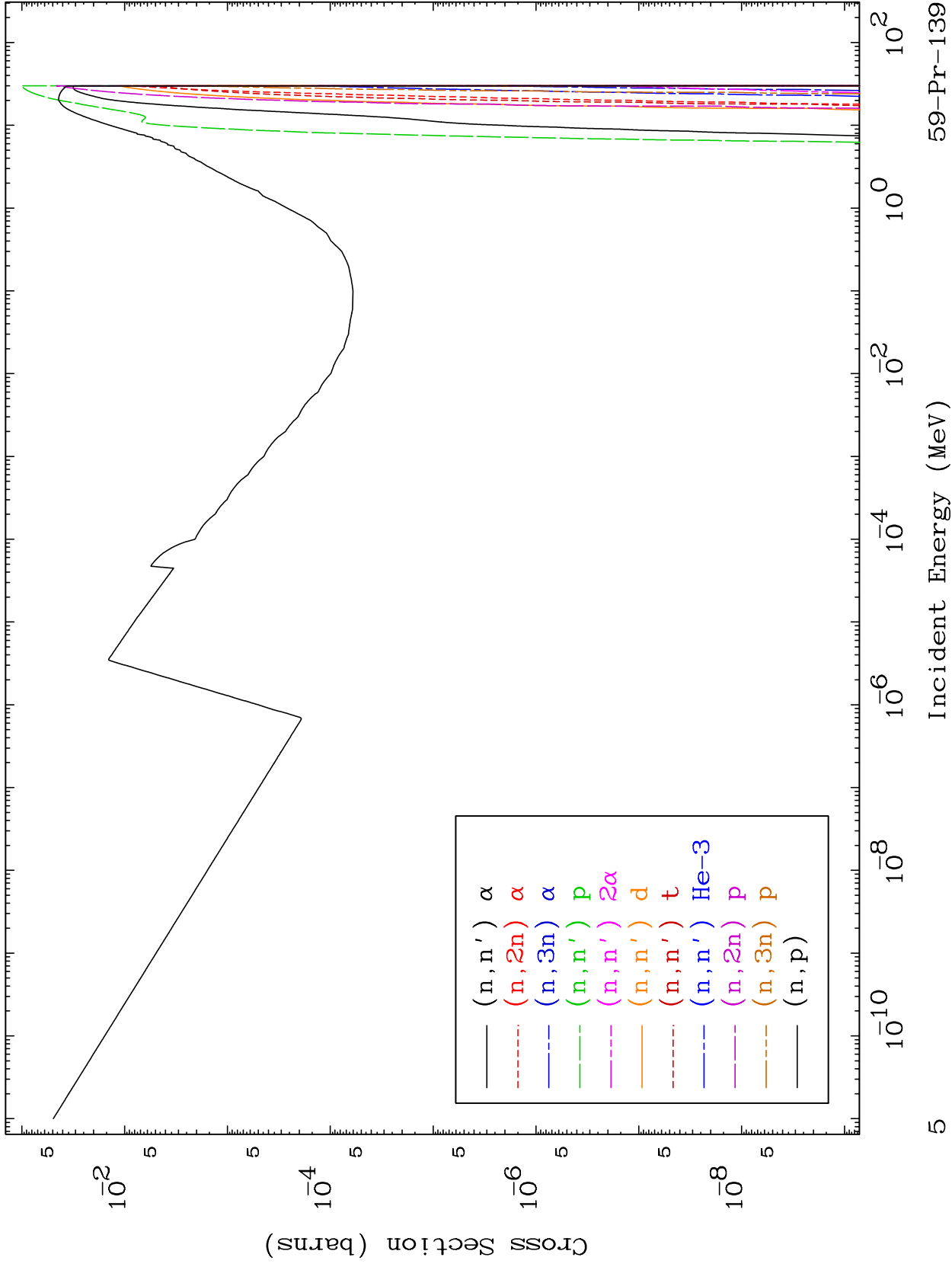




MAT 5919

Charged Particle
293 Kelvin Cross Sections

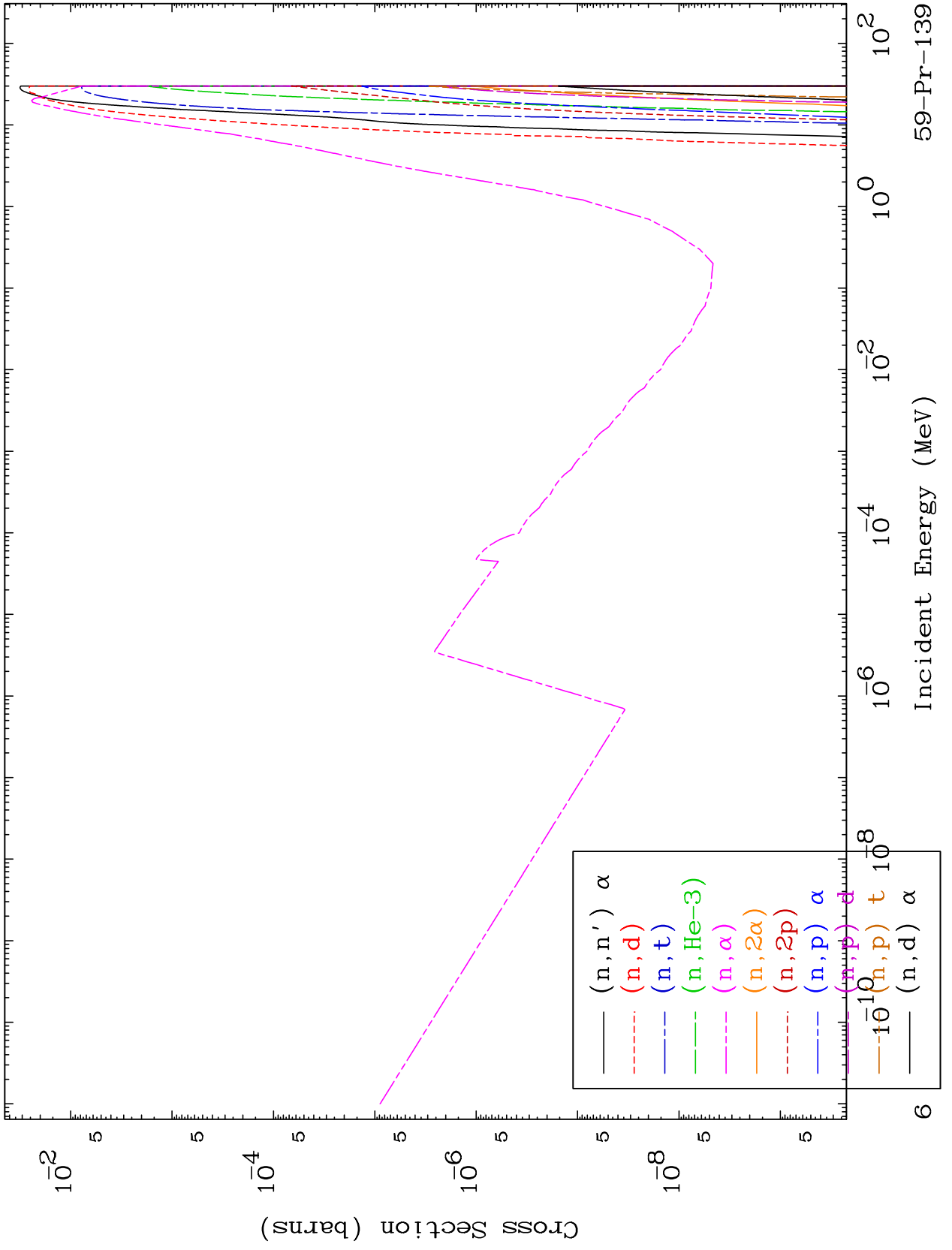
59-Pr-139



MAT 5919

Charged Particle
293 Kelvin Cross Sections

59-Pr-139



59-Pr-139

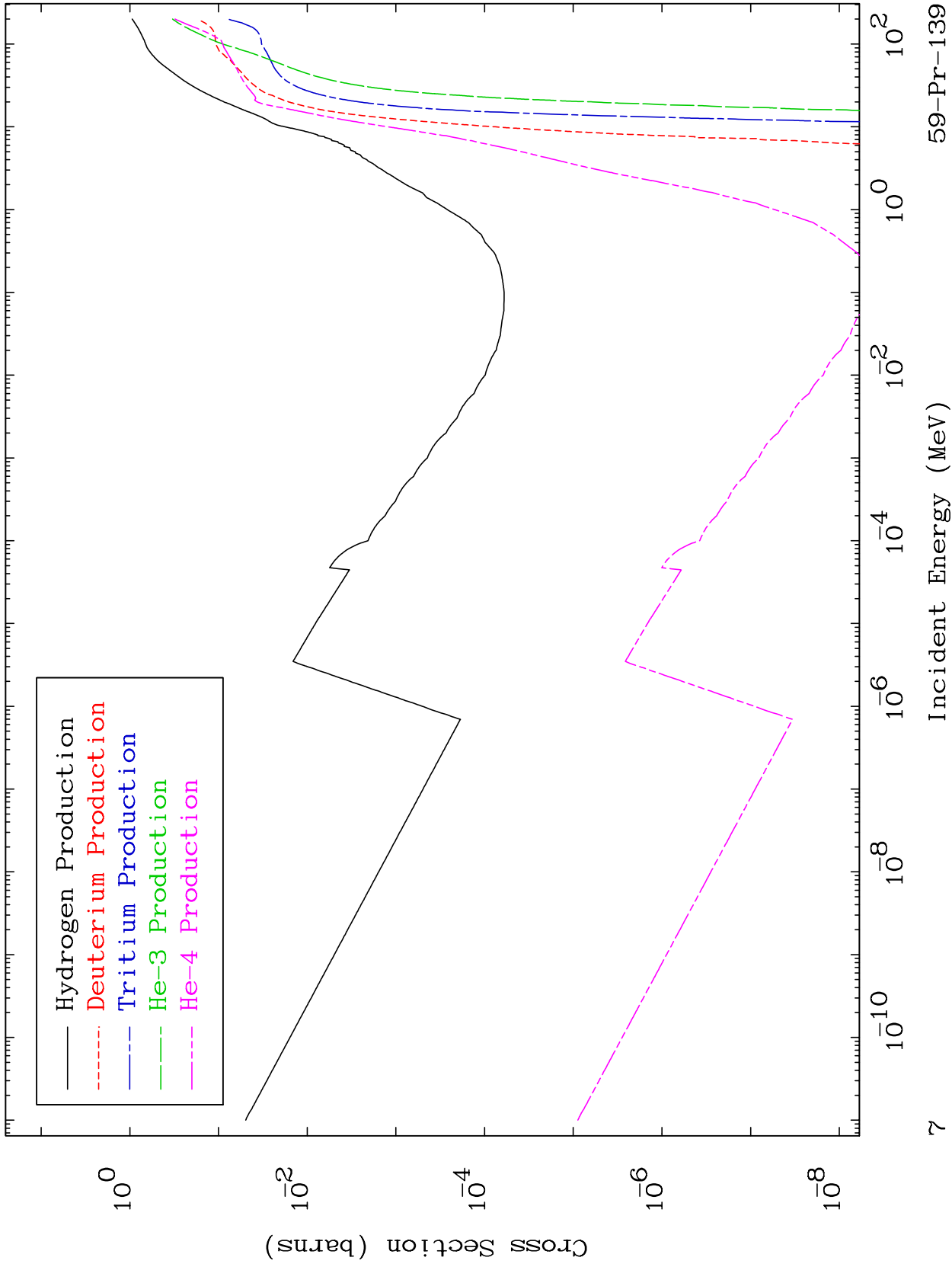
Incident Energy (MeV)

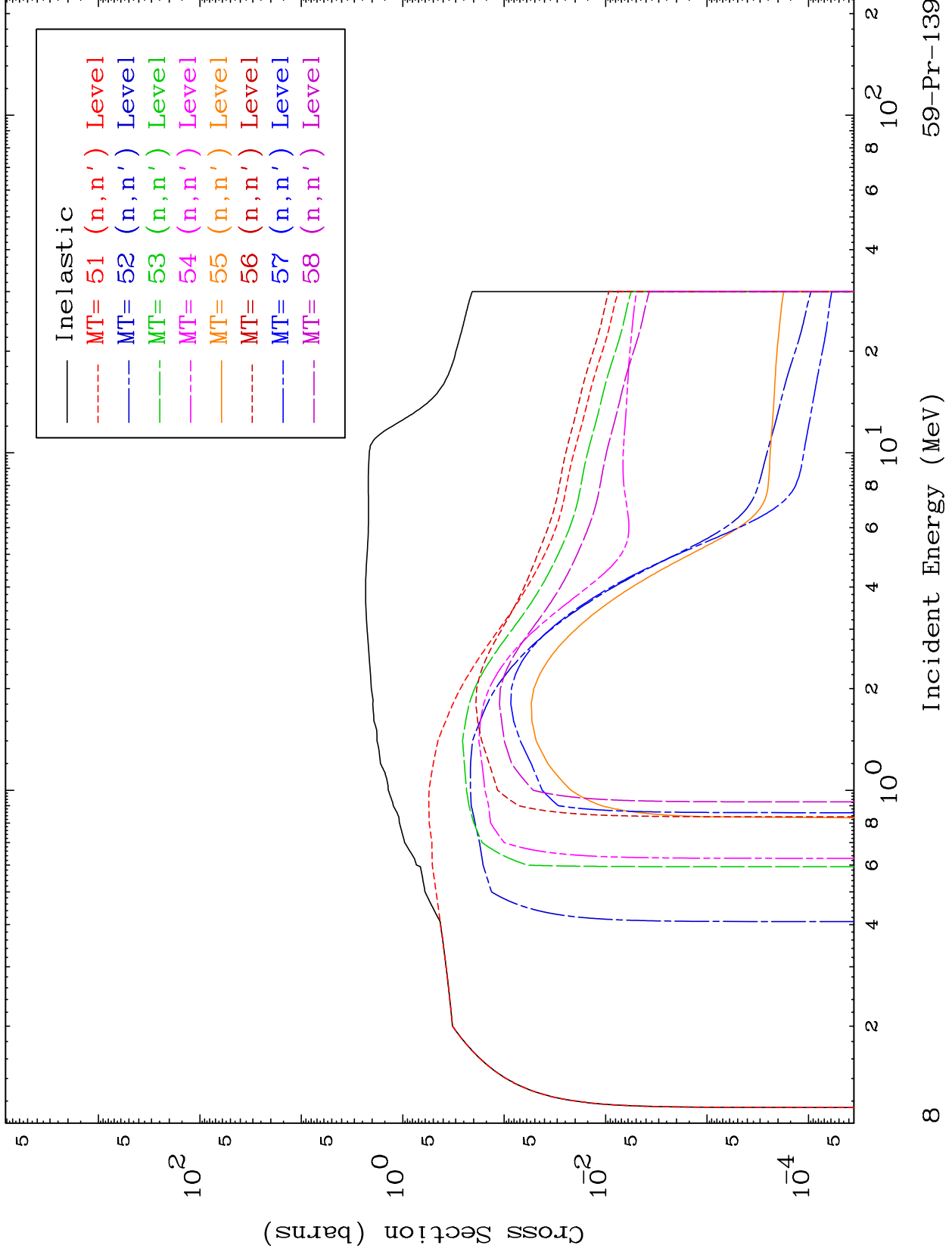
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MAT 5919

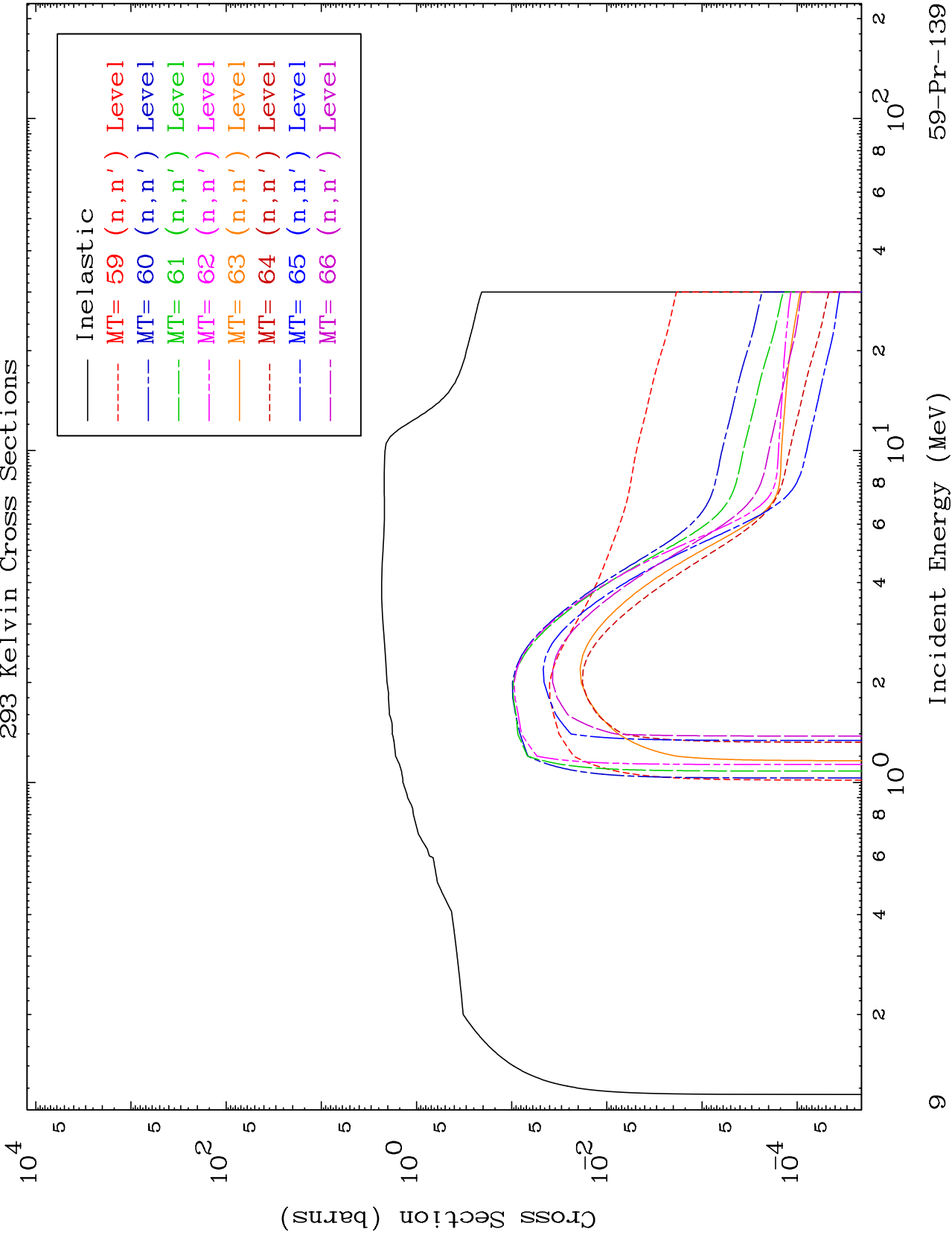
Particle Production
293 Kelvin Cross Sections

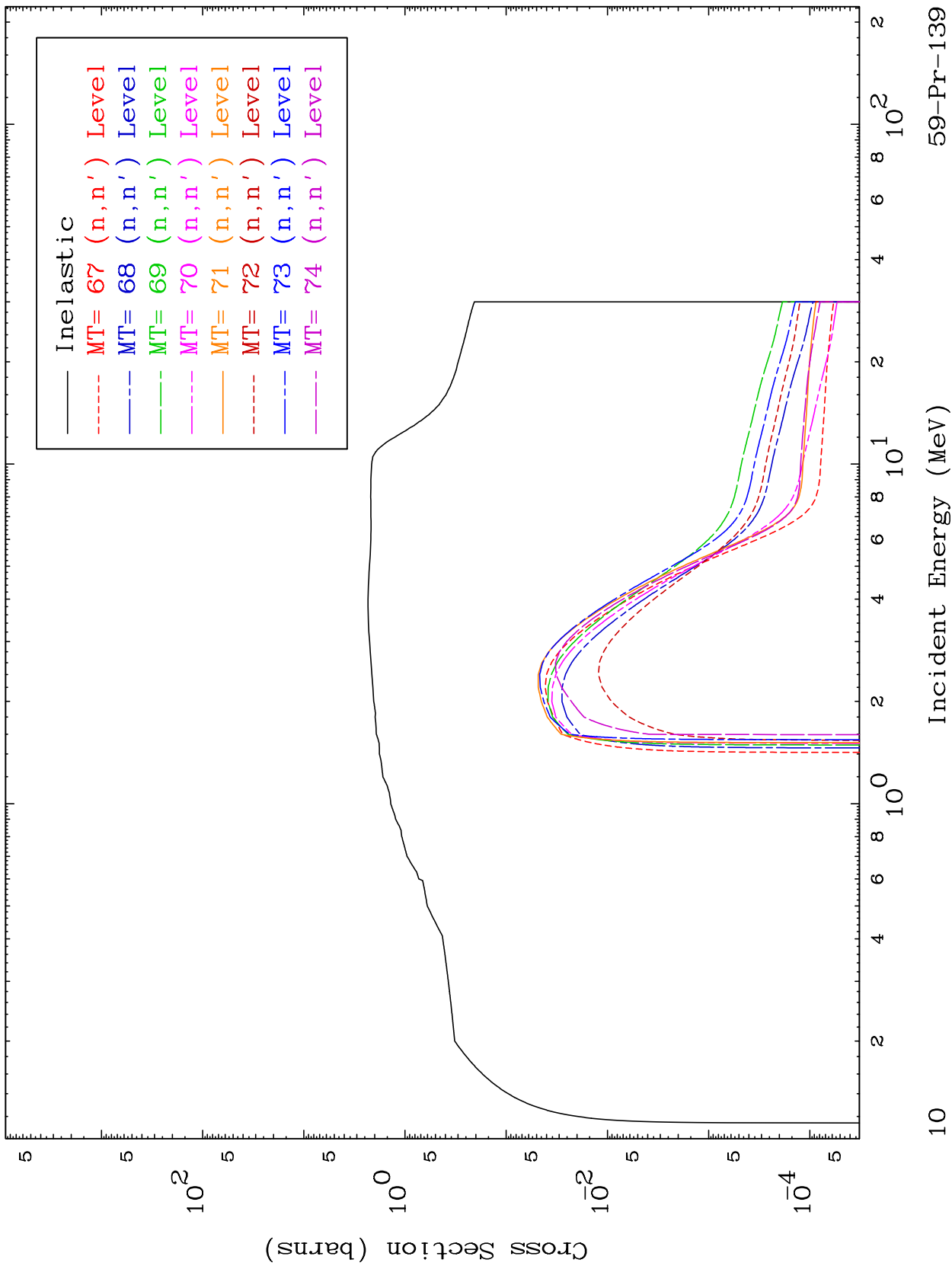
59-Pr-139

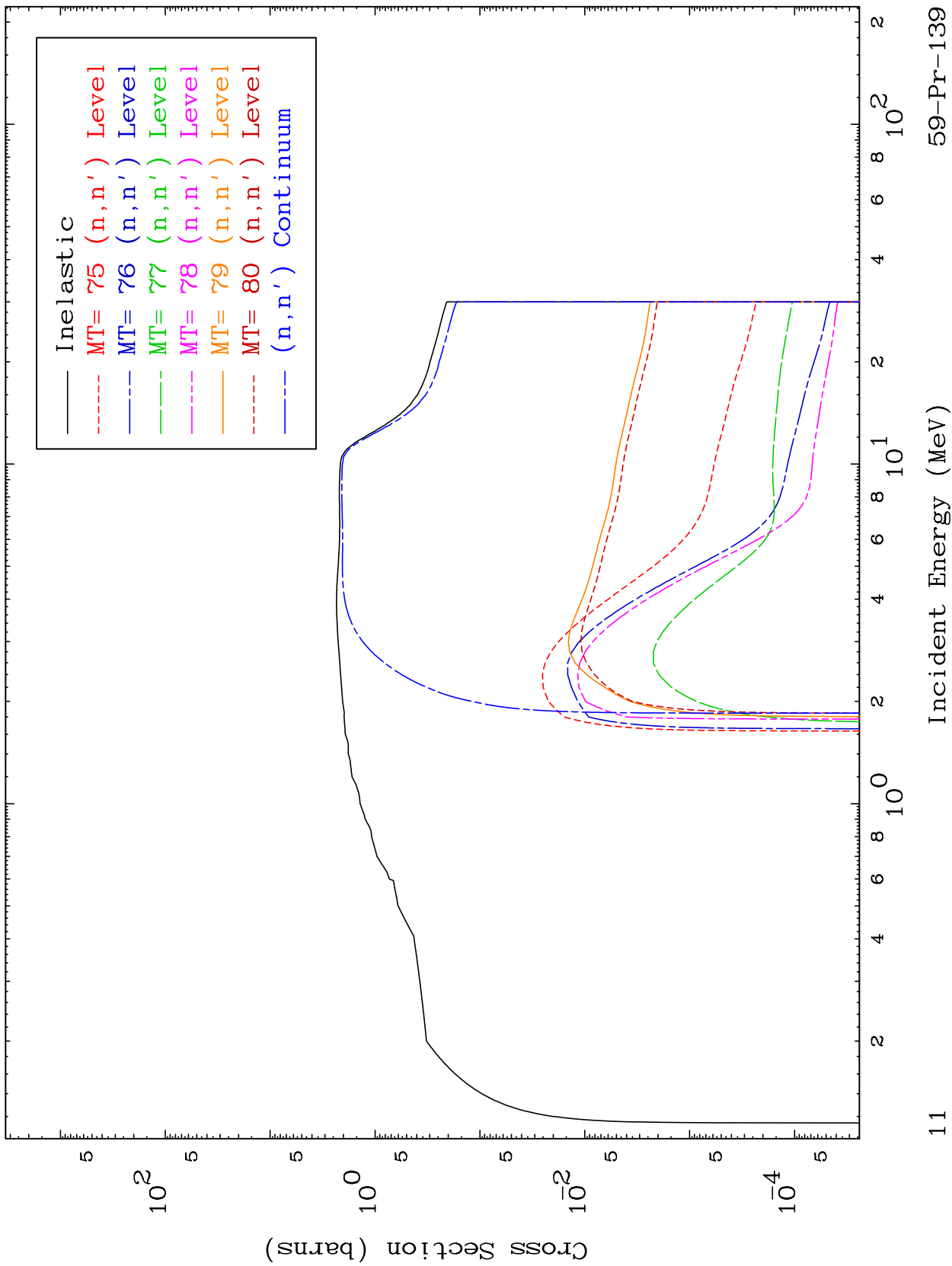




293 Kelvin Cross Sections



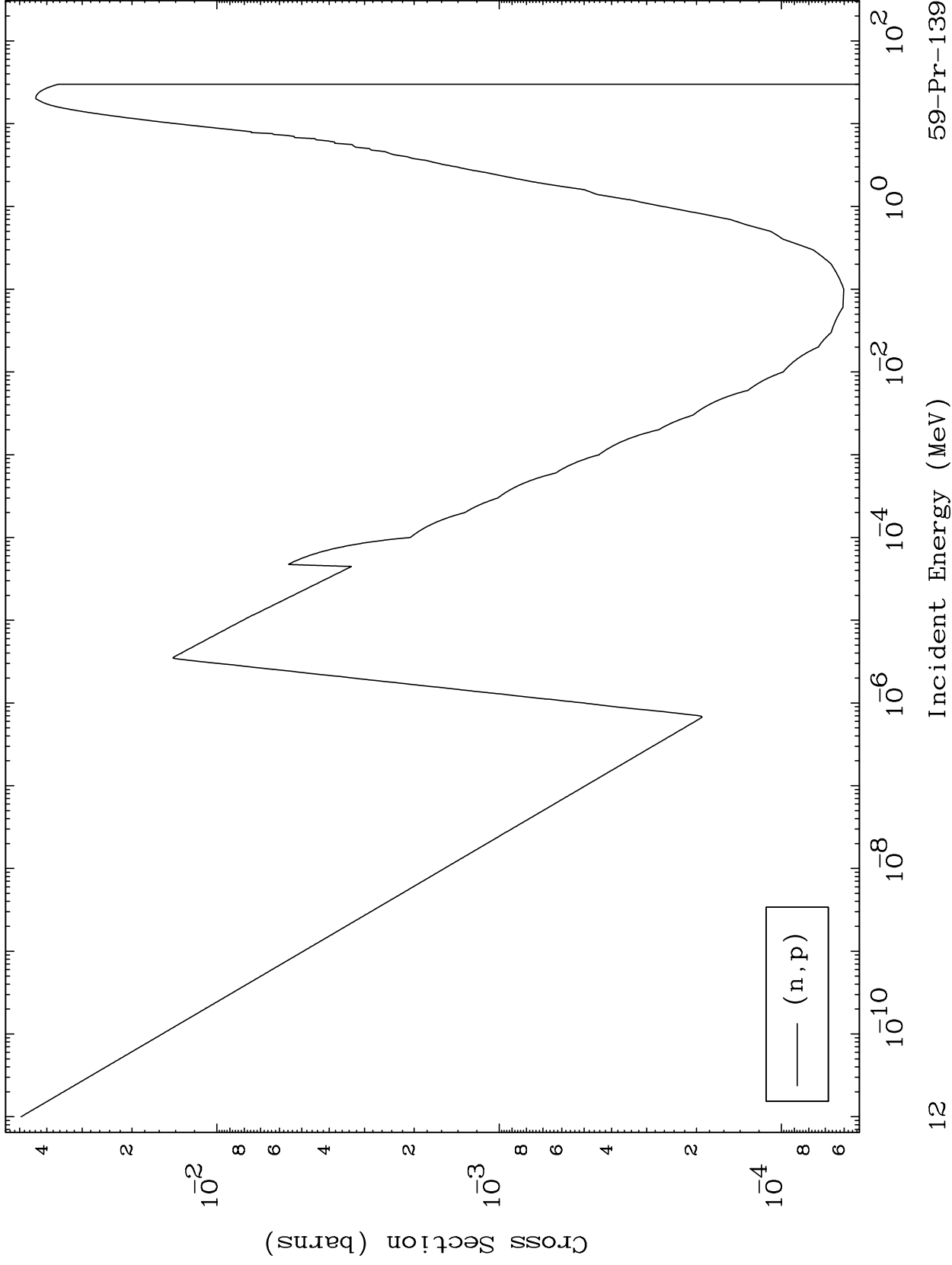




MAT 5919

(n,p) Levels
293 Kelvin Cross Sections

59-Pr-139



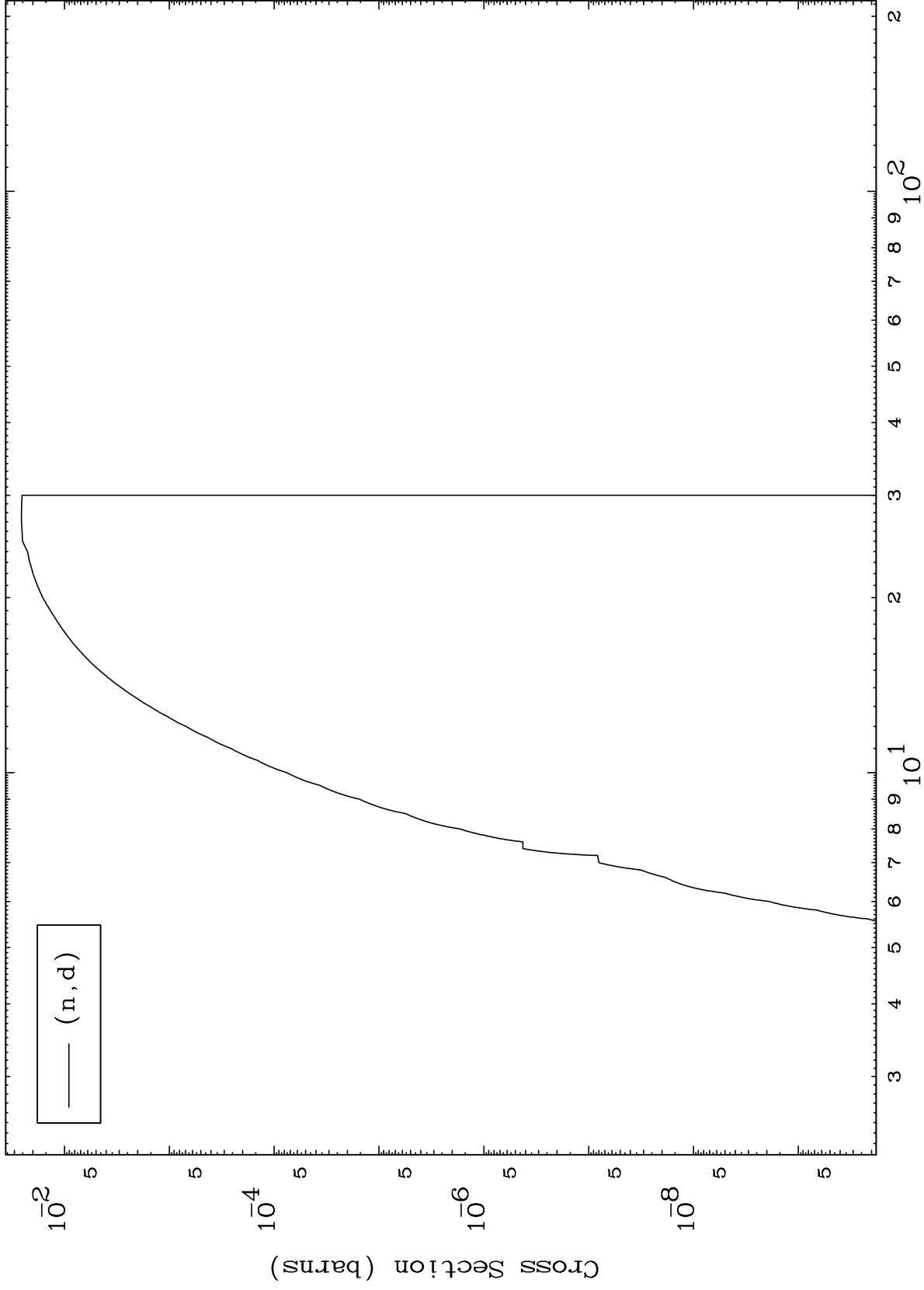
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59-Pr-139

MAT 5919

(n,d) Levels
293 Kelvin Cross Sections

59-Pr-139



13

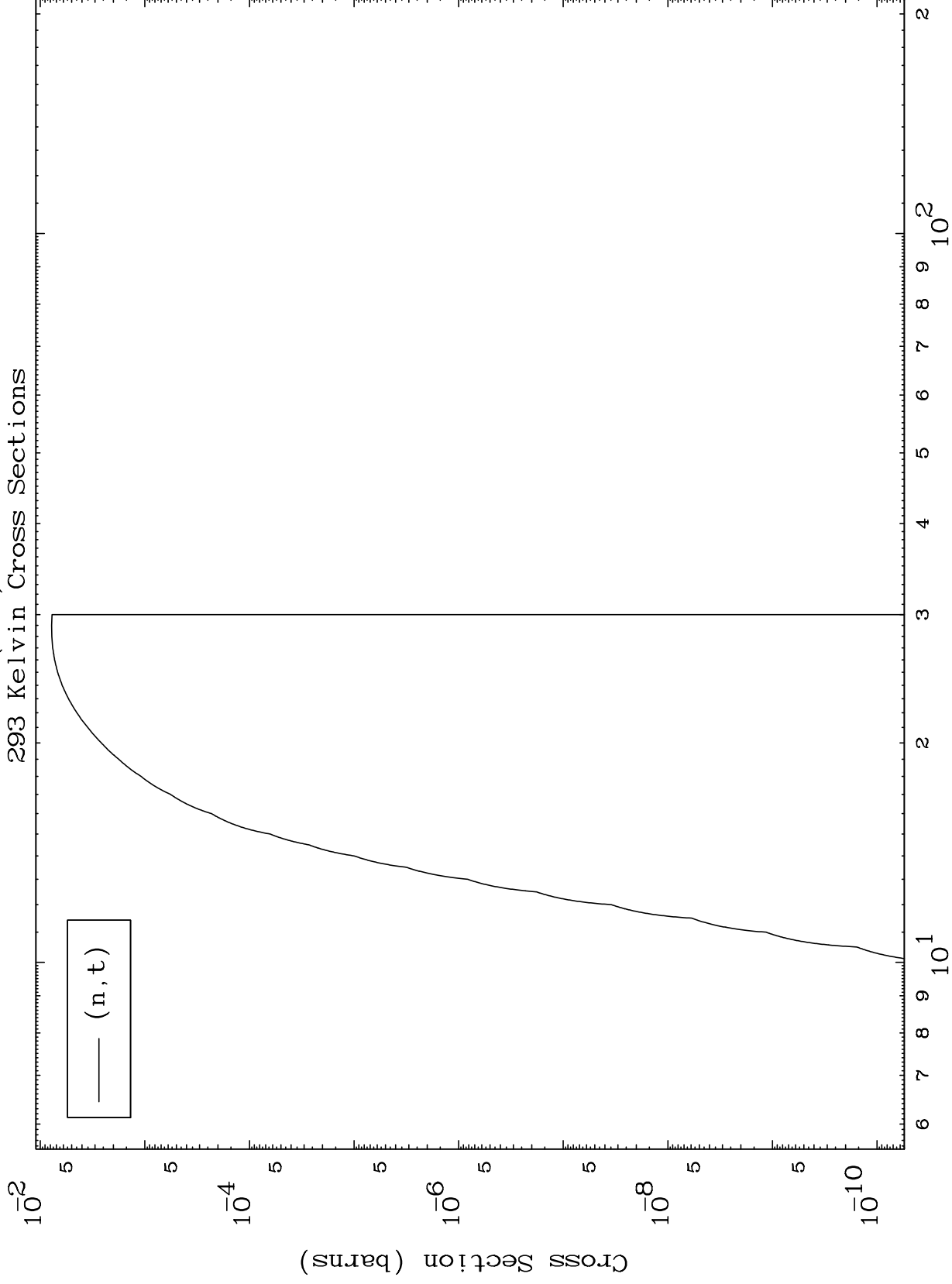
Incident Energy (MeV)

59-Pr-139

MAT 5919

(n, t) Levels
293 Kelvin Cross Sections

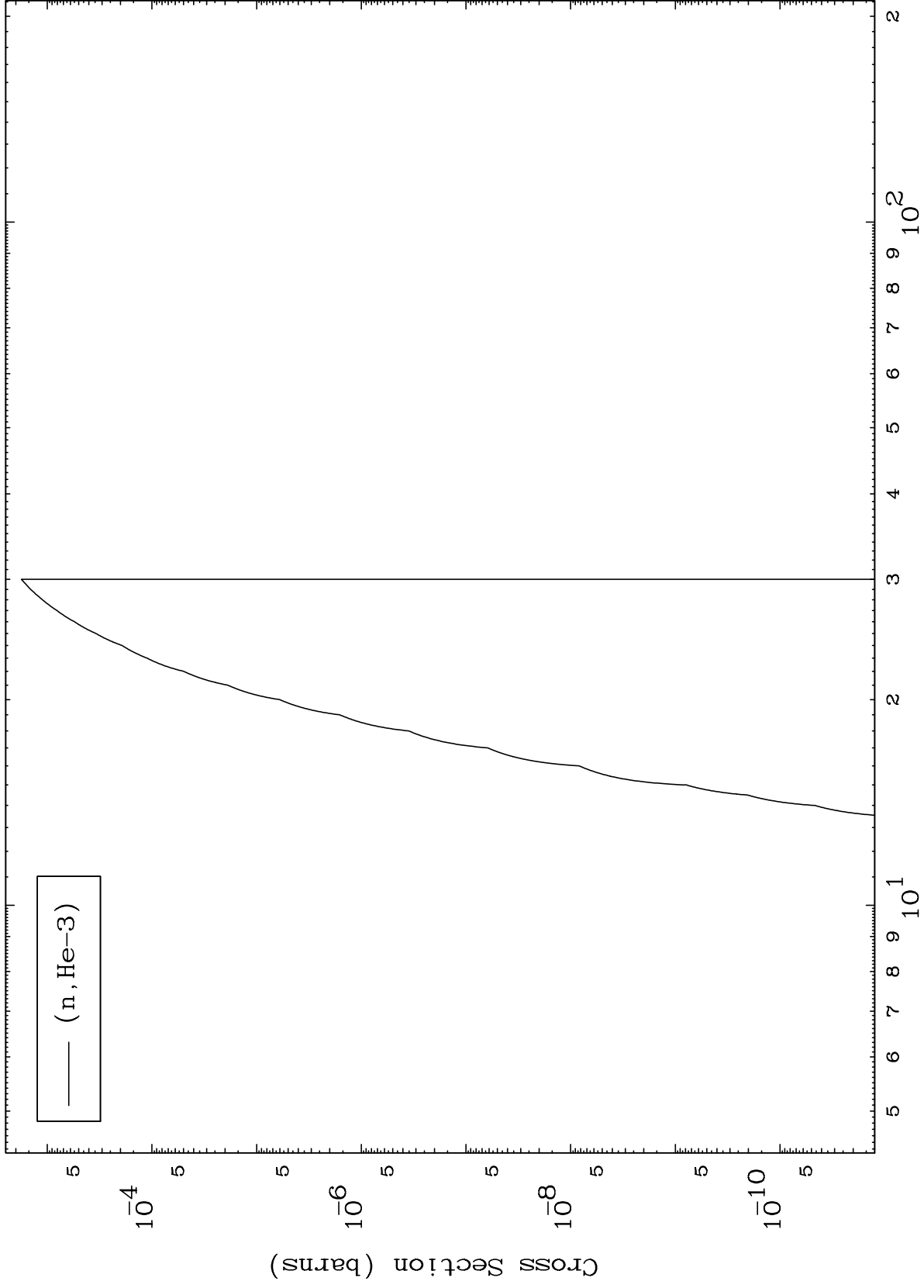
59-Pr-139



14

Incident Energy (MeV)

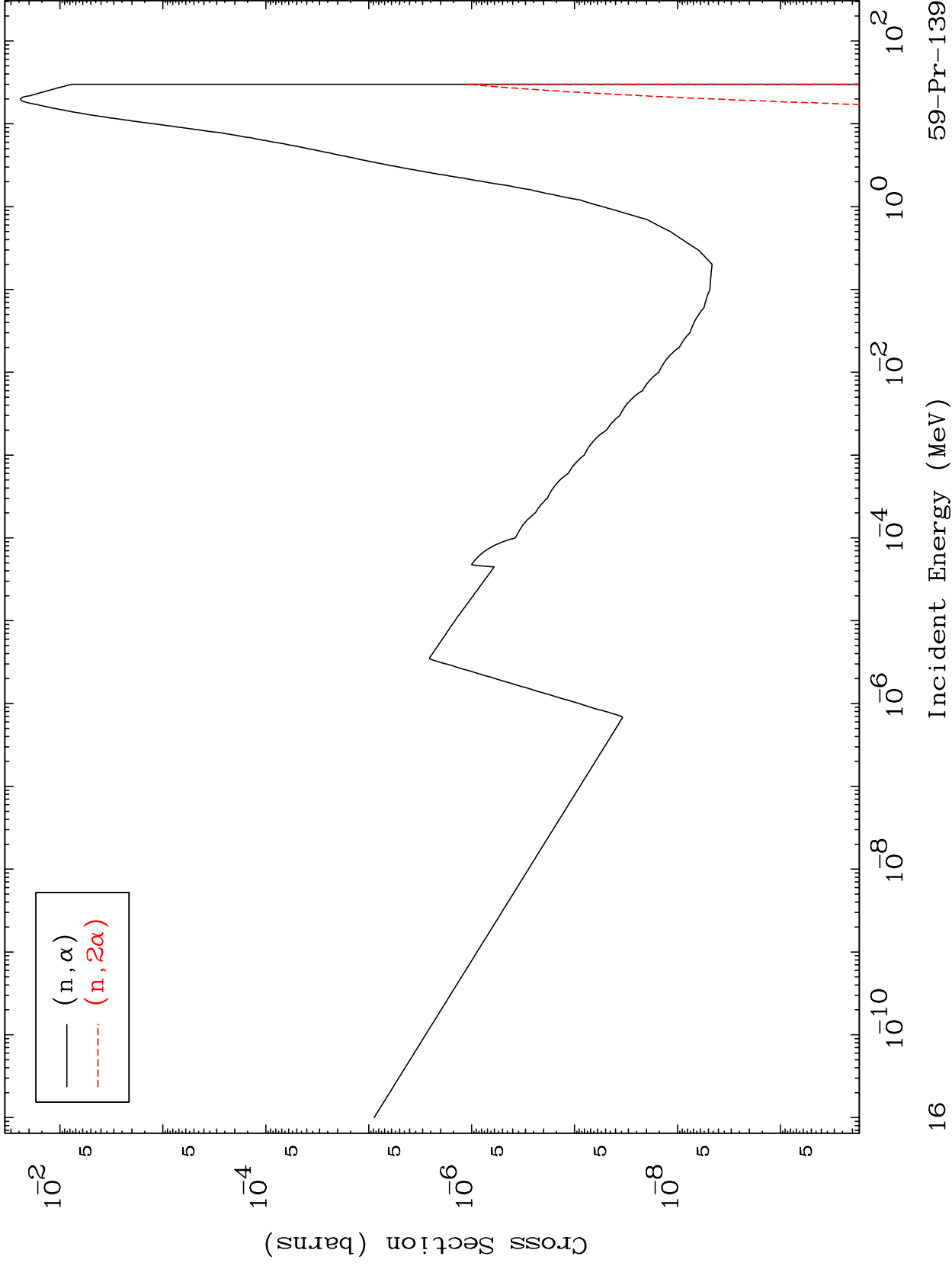
59-Pr-139



MAT 5919

(n, α) Levels
293 Kelvin Cross Sections

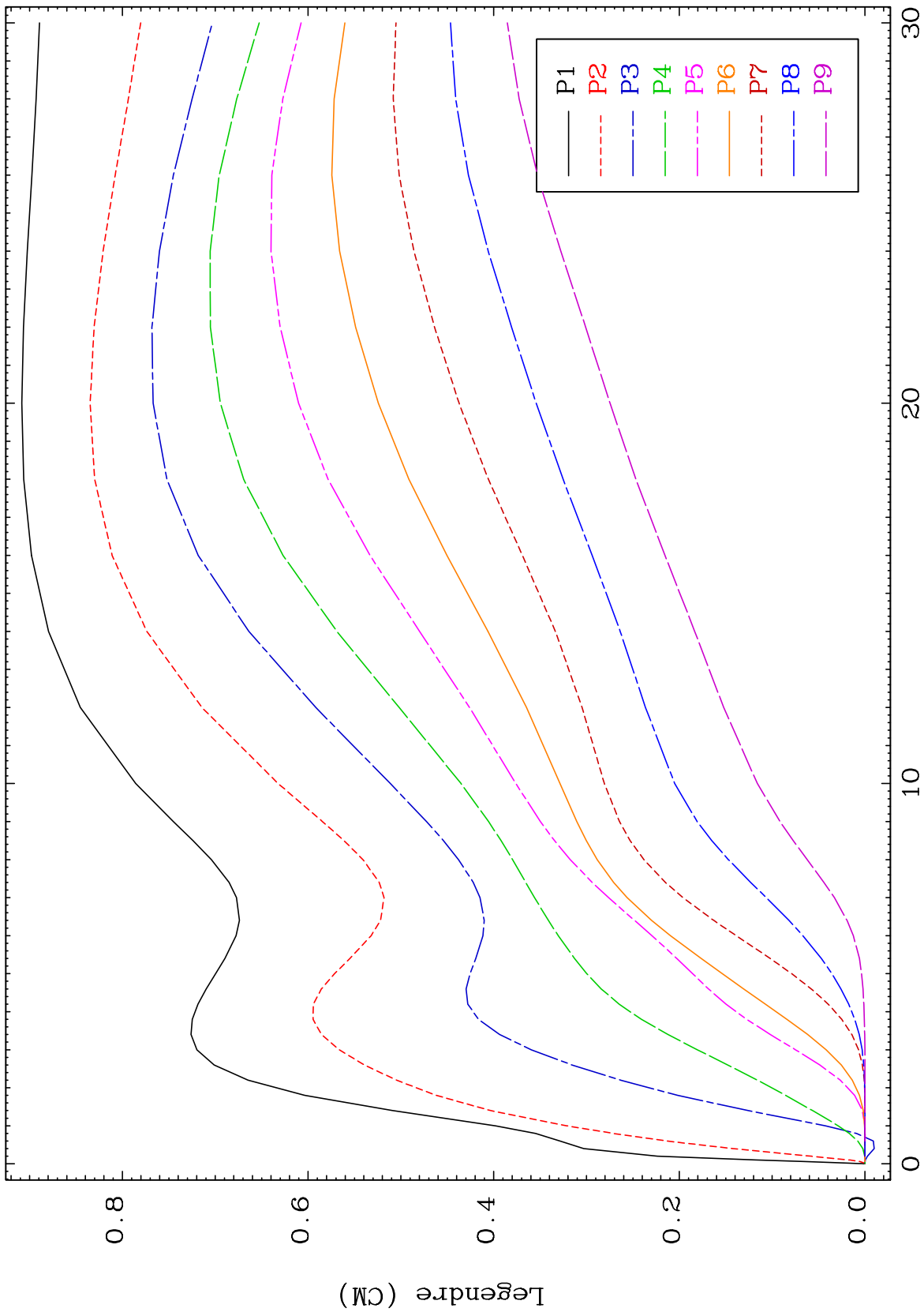
59-Pr-139



MAT 5919

59-Pr-139

Elastic Legendre Coefficients



59-Pr-139

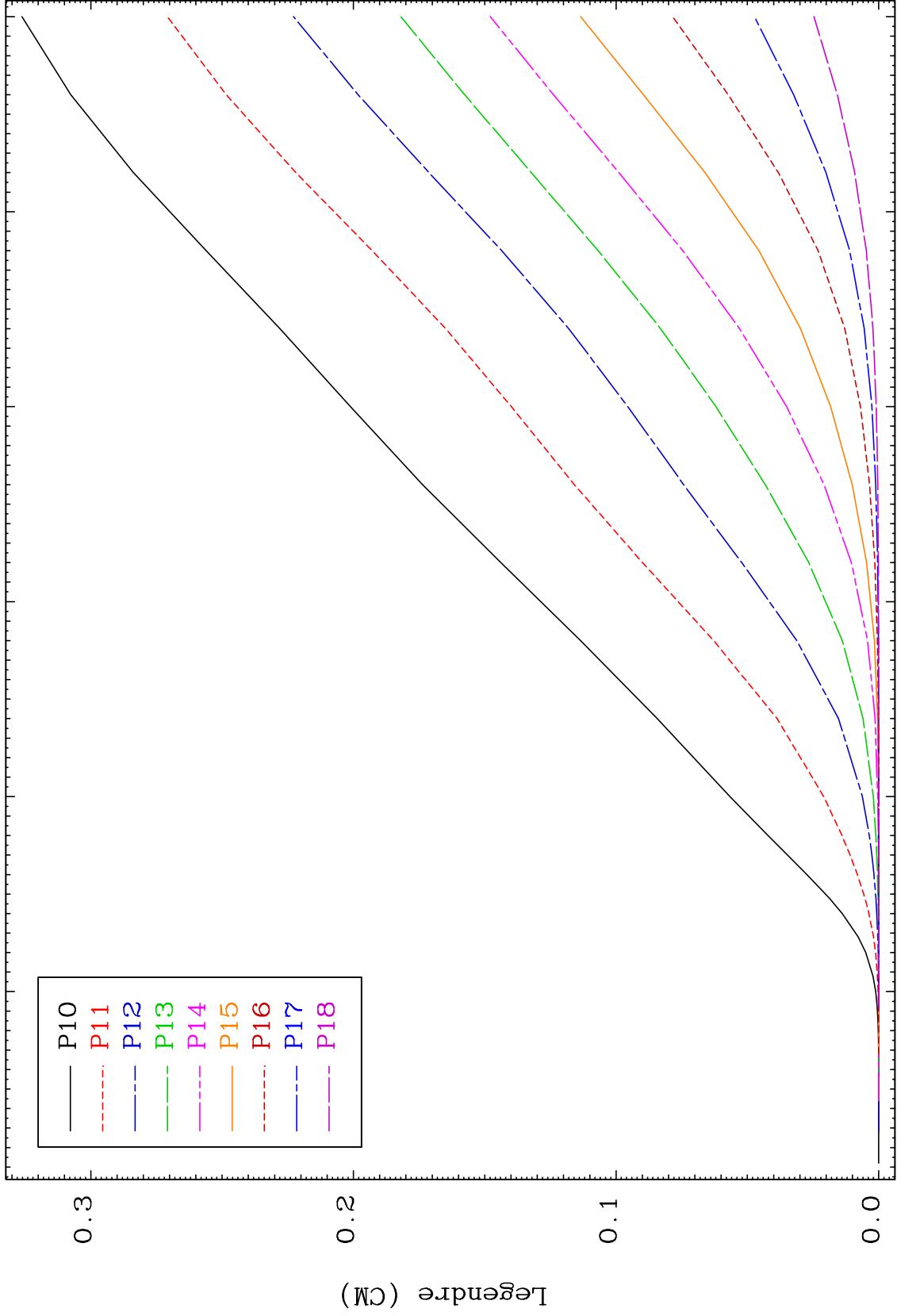
Incident Energy (MeV)

17

MAT 5919

Elastic Legendre Coefficients

59-Pr-139



18

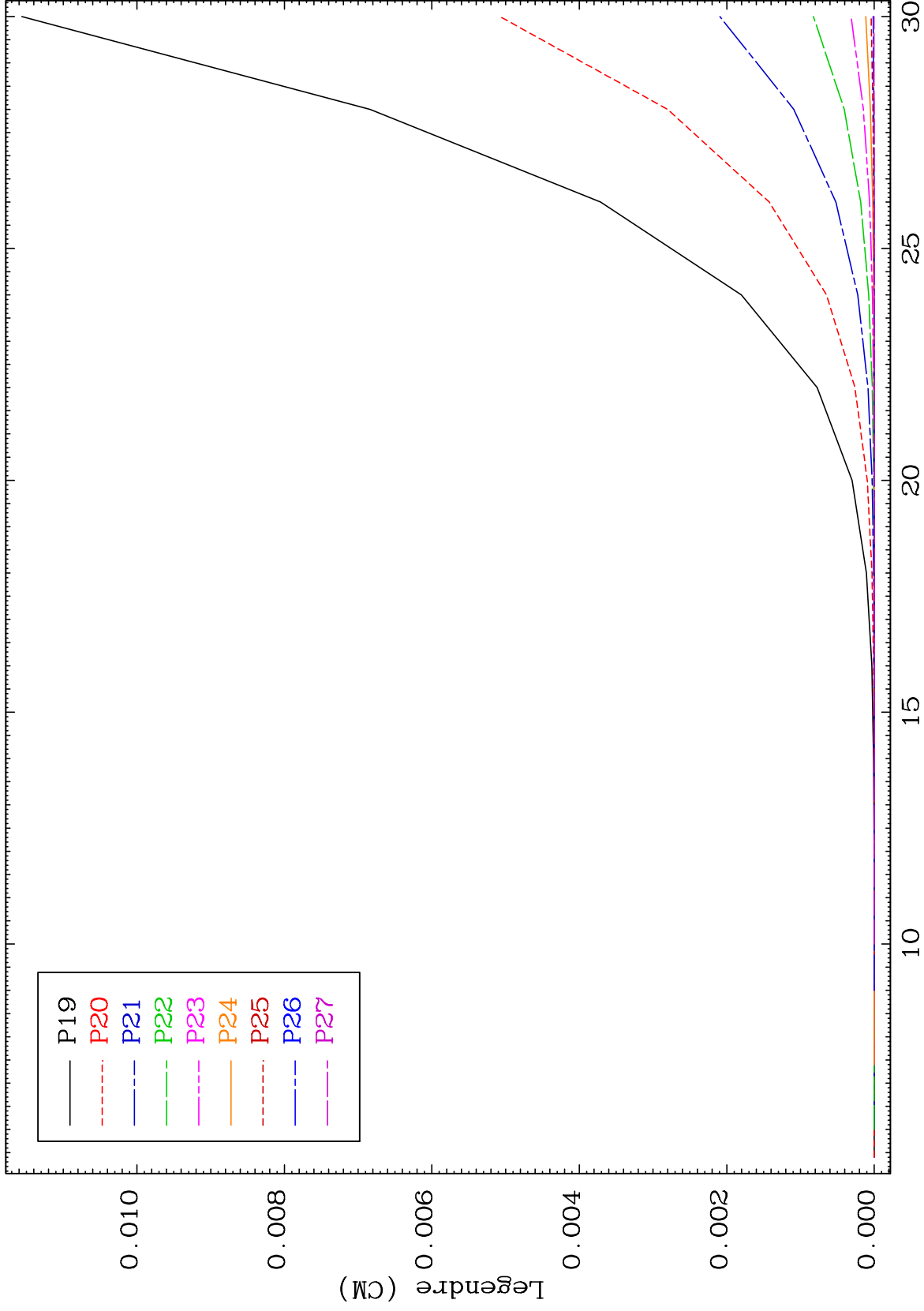
Incident Energy (MeV)

59-Pr-139

MAT 5919

Elastic Legendre Coefficients

59-Pr-139



19

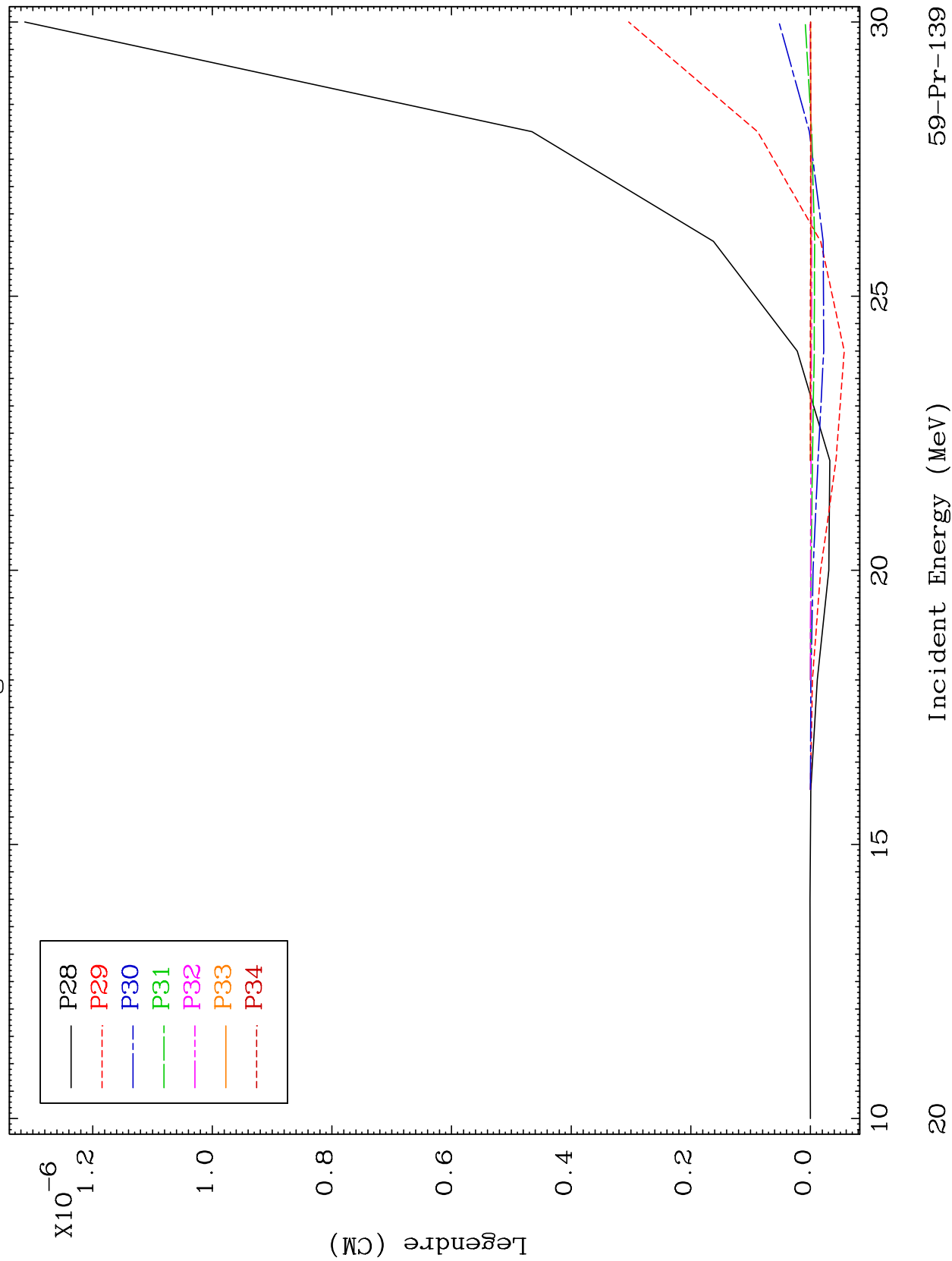
Incident Energy (MeV)

59-Pr-139

MAT 5919

Elastic
Legendre Coefficients

59-Pr-139



59-Pr-139

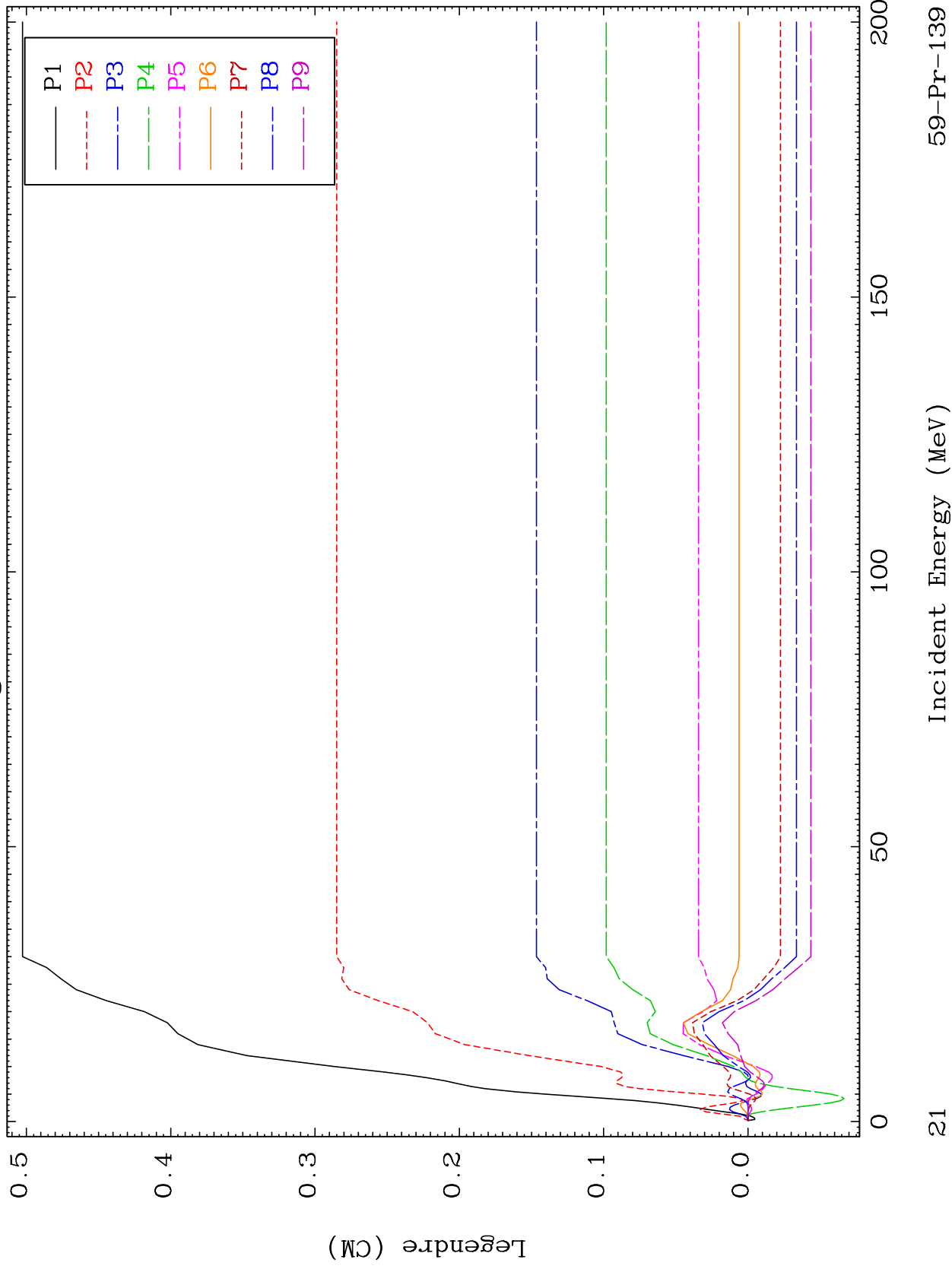
Incident Energy (MeV)

20

MAT 5919

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

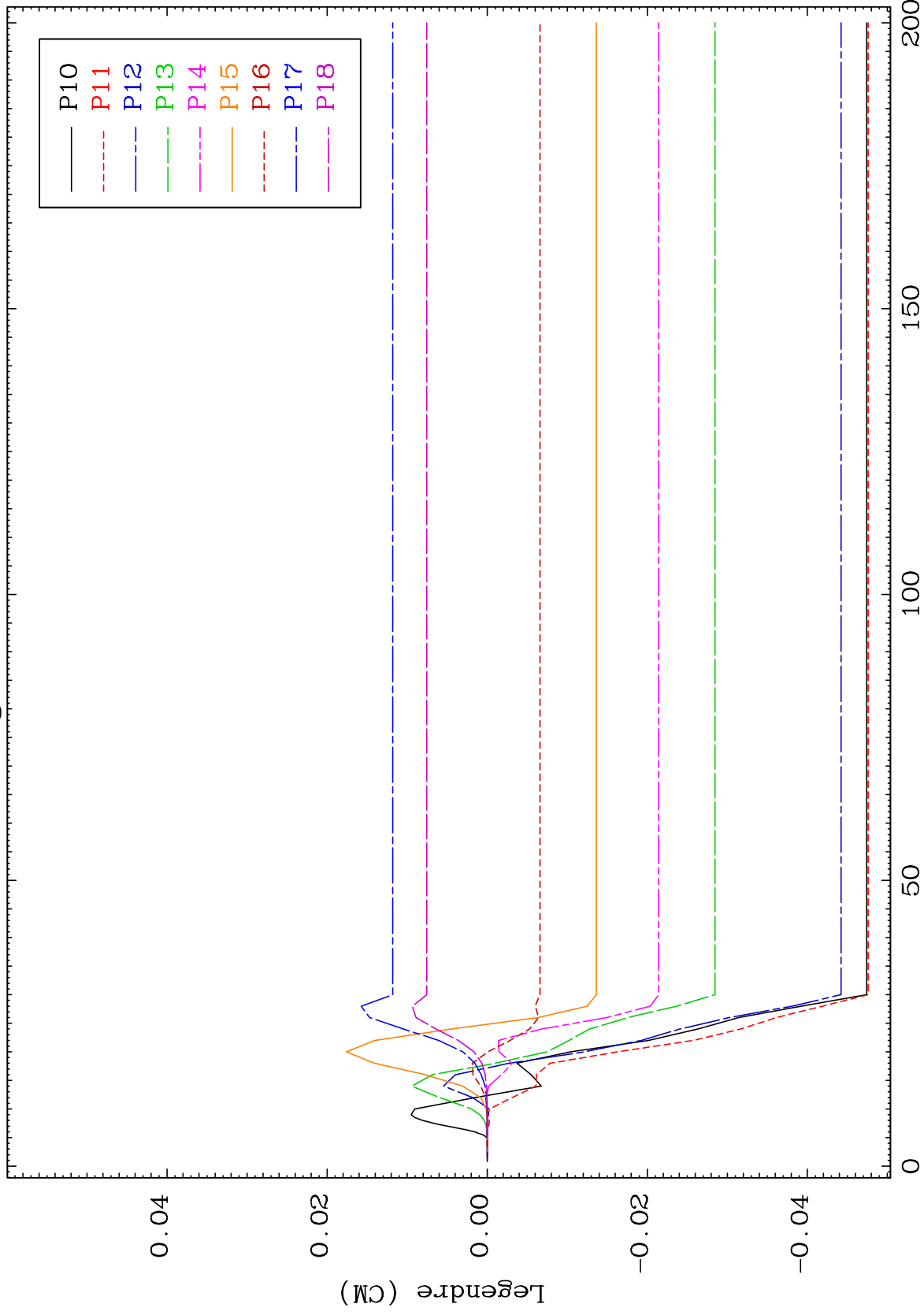
59-Pr-139



MAT 5919

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

59-Pr-139



22

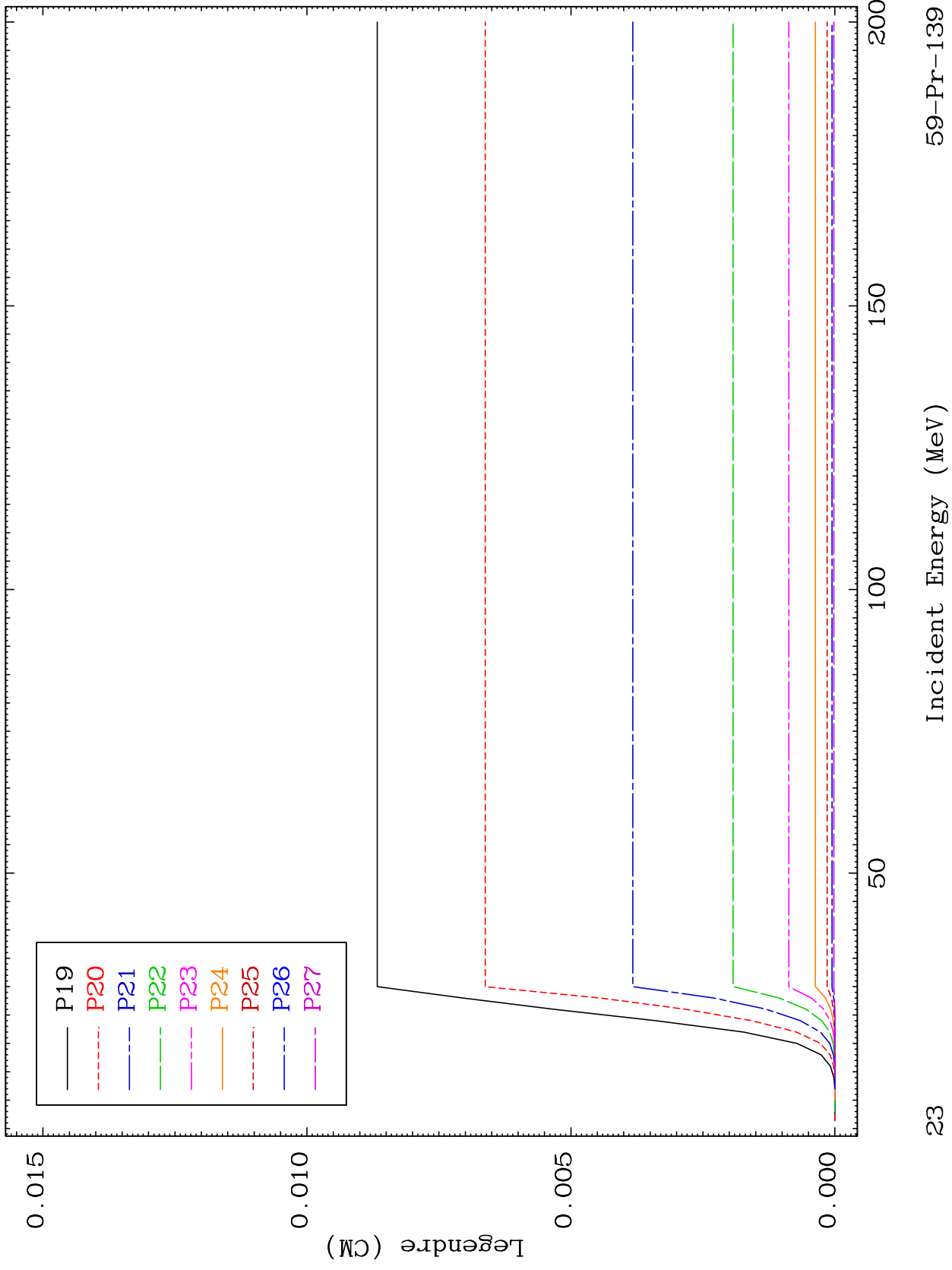
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



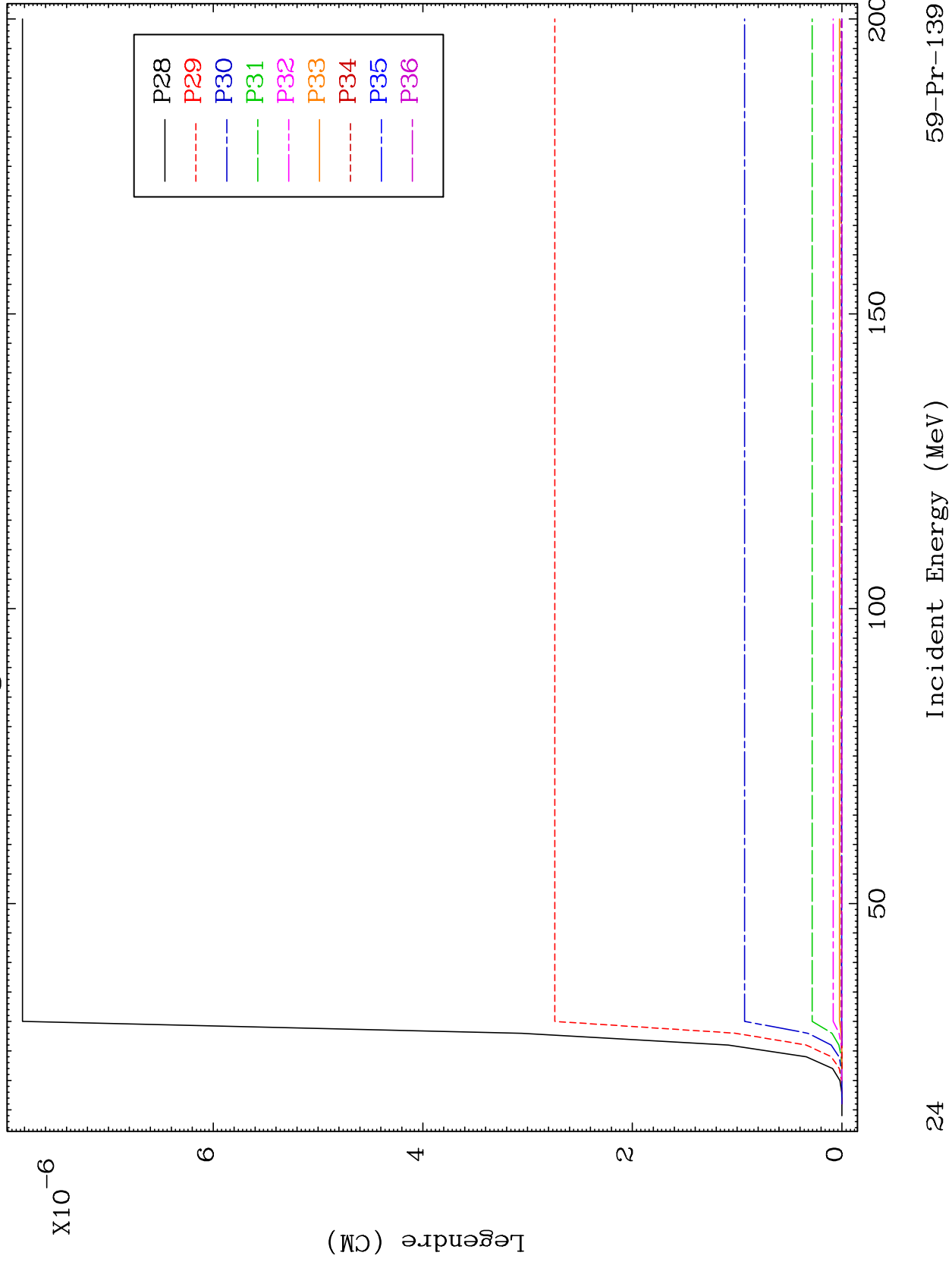
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59-Pr-139

MAT 5919

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

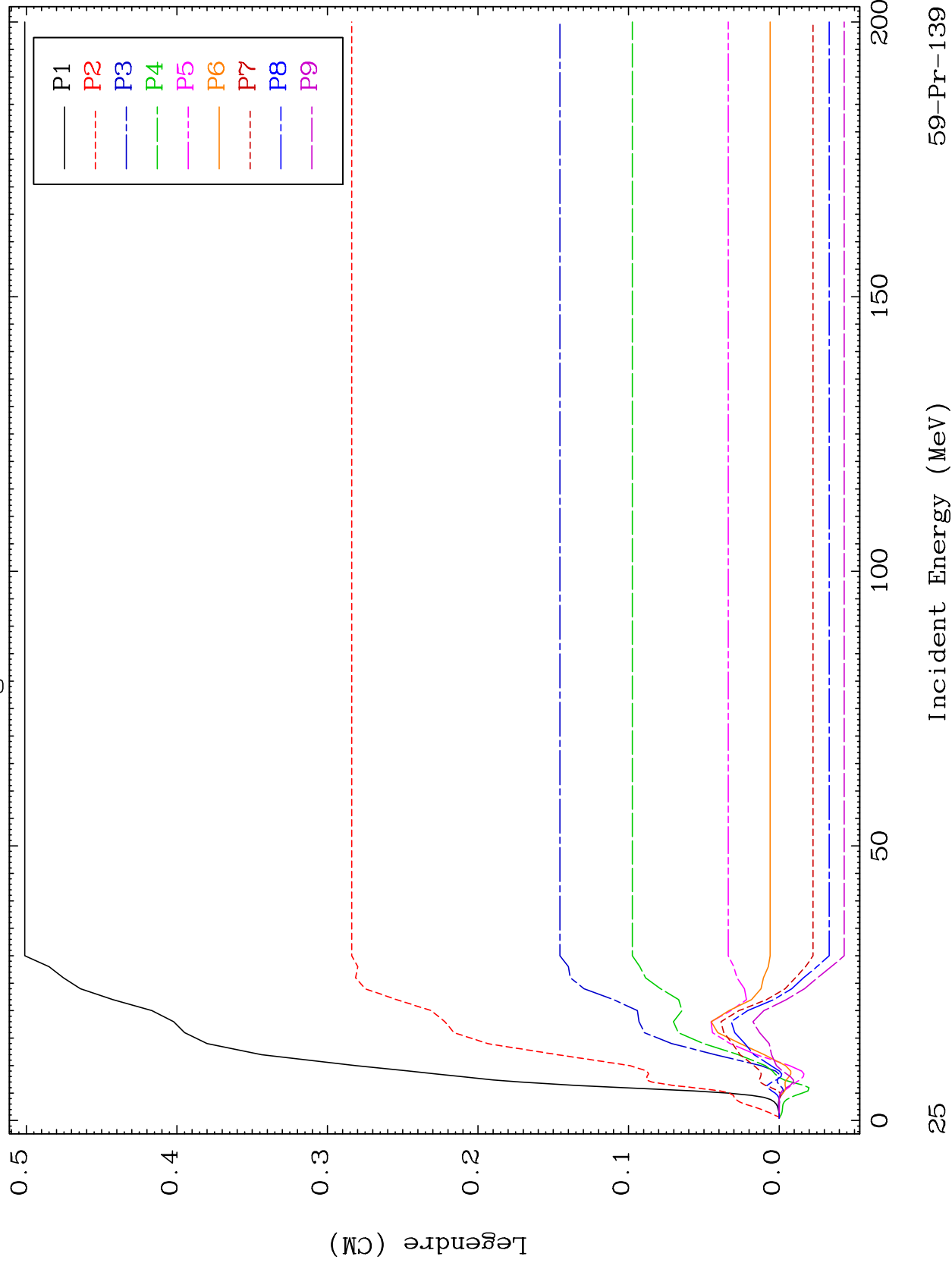
59-Pr-139



MAT 5919

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

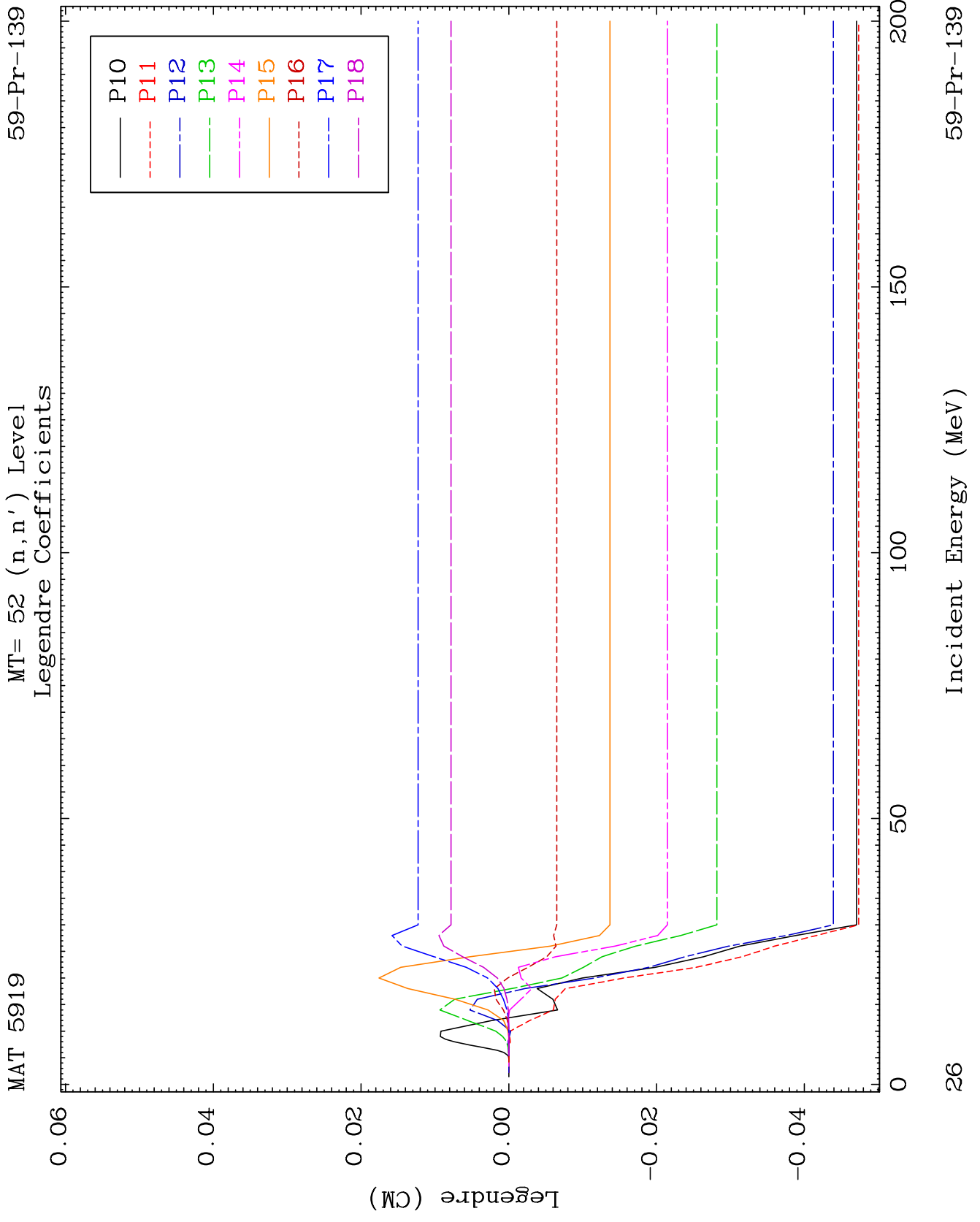
59-Pr-139



59-Pr-139

Incident Energy (MeV)

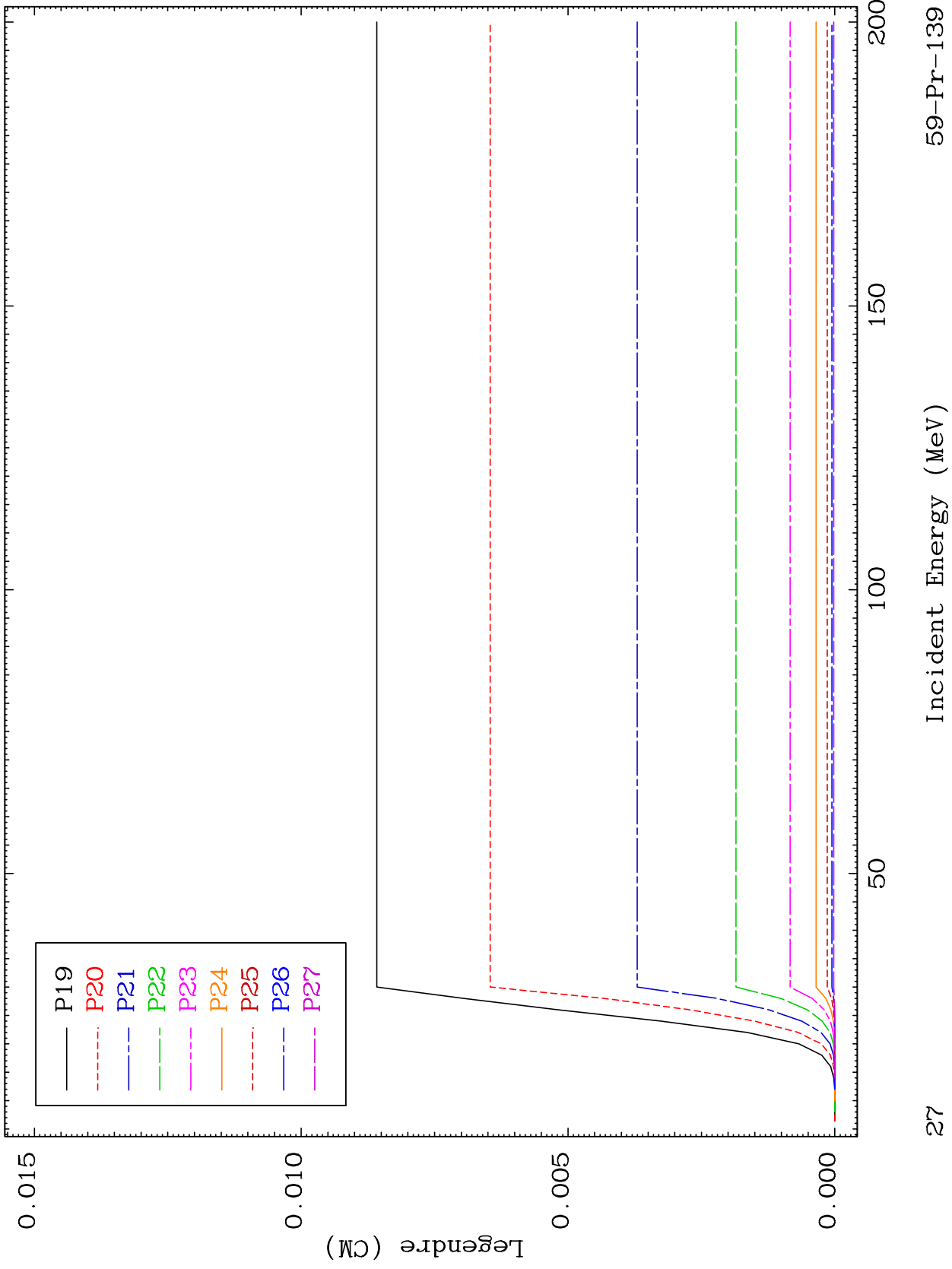
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MAT 5919

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

59-Pr-139



27

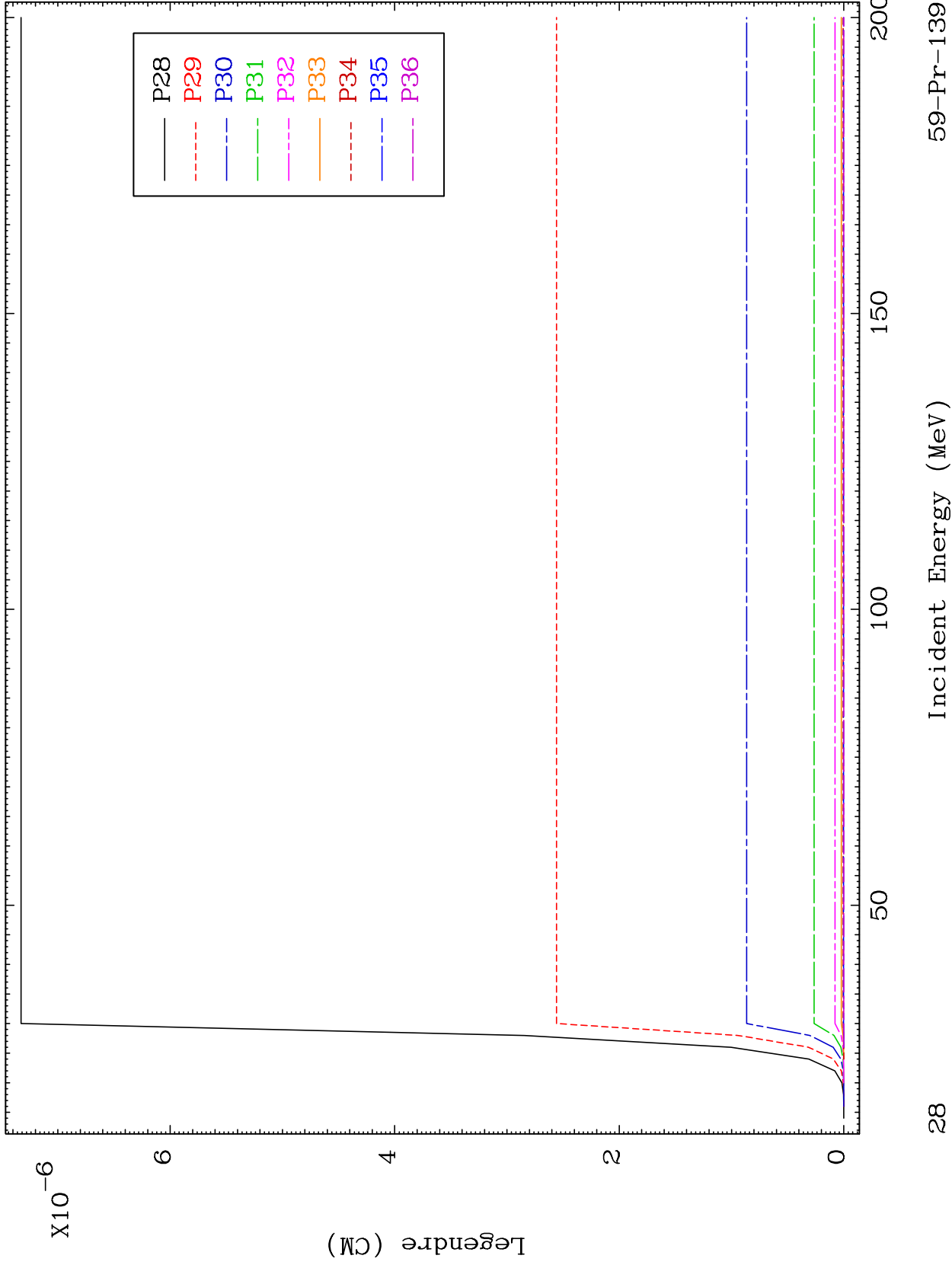
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



28

Incident Energy (MeV)

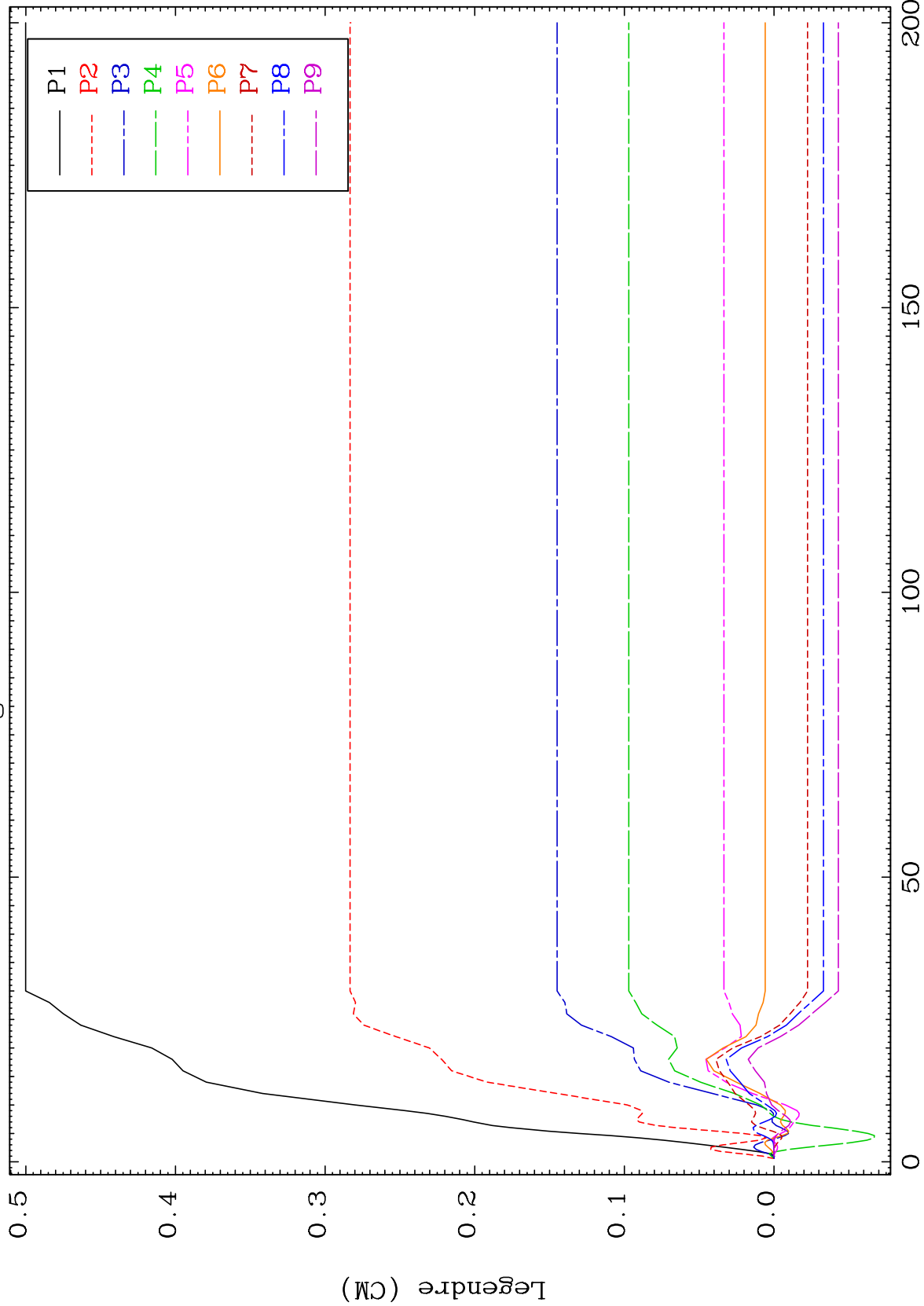
59-Pr-139

MAT 5919

MT= 53 (n,n') Level

59-Pr-139

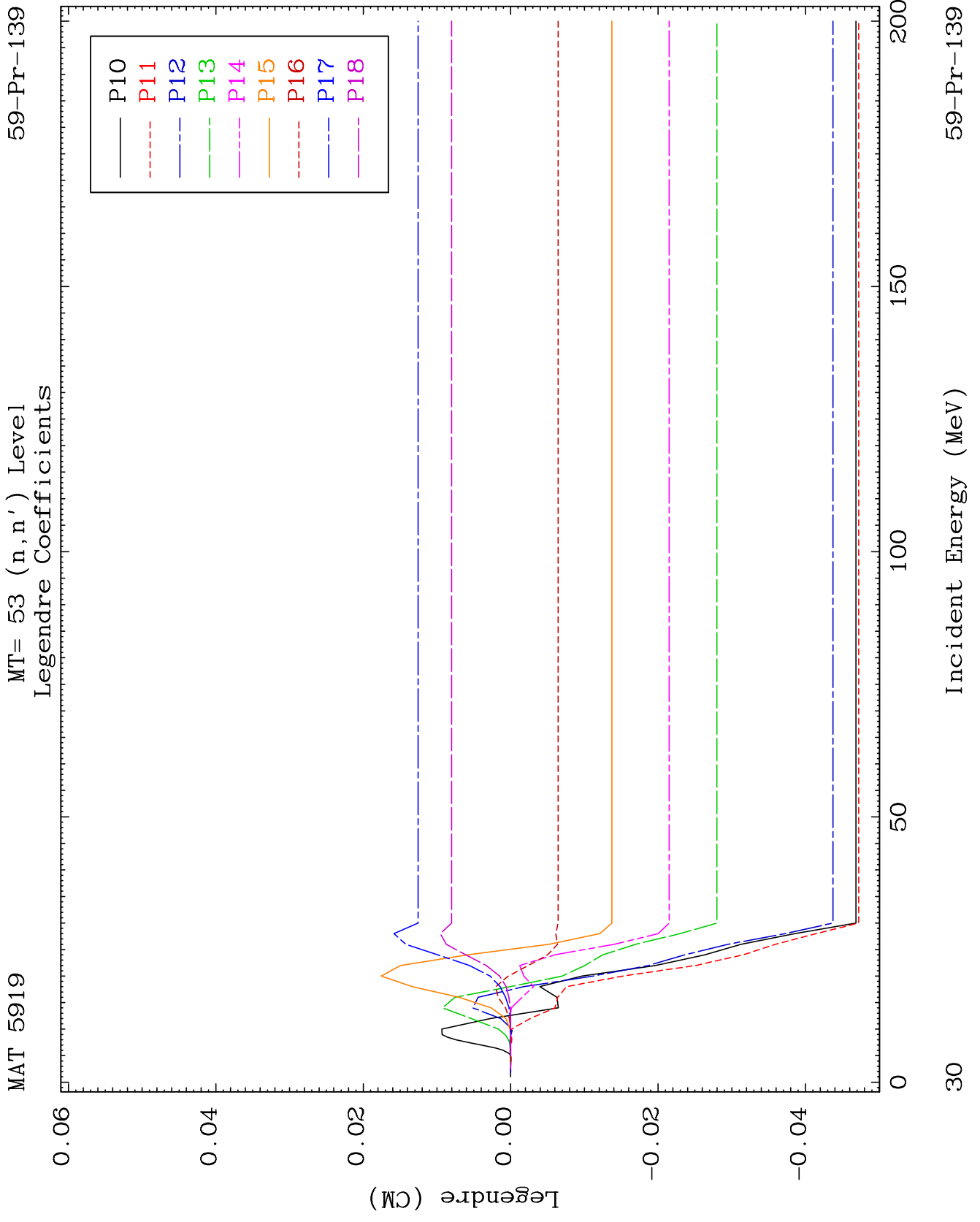
Legendre Coefficients

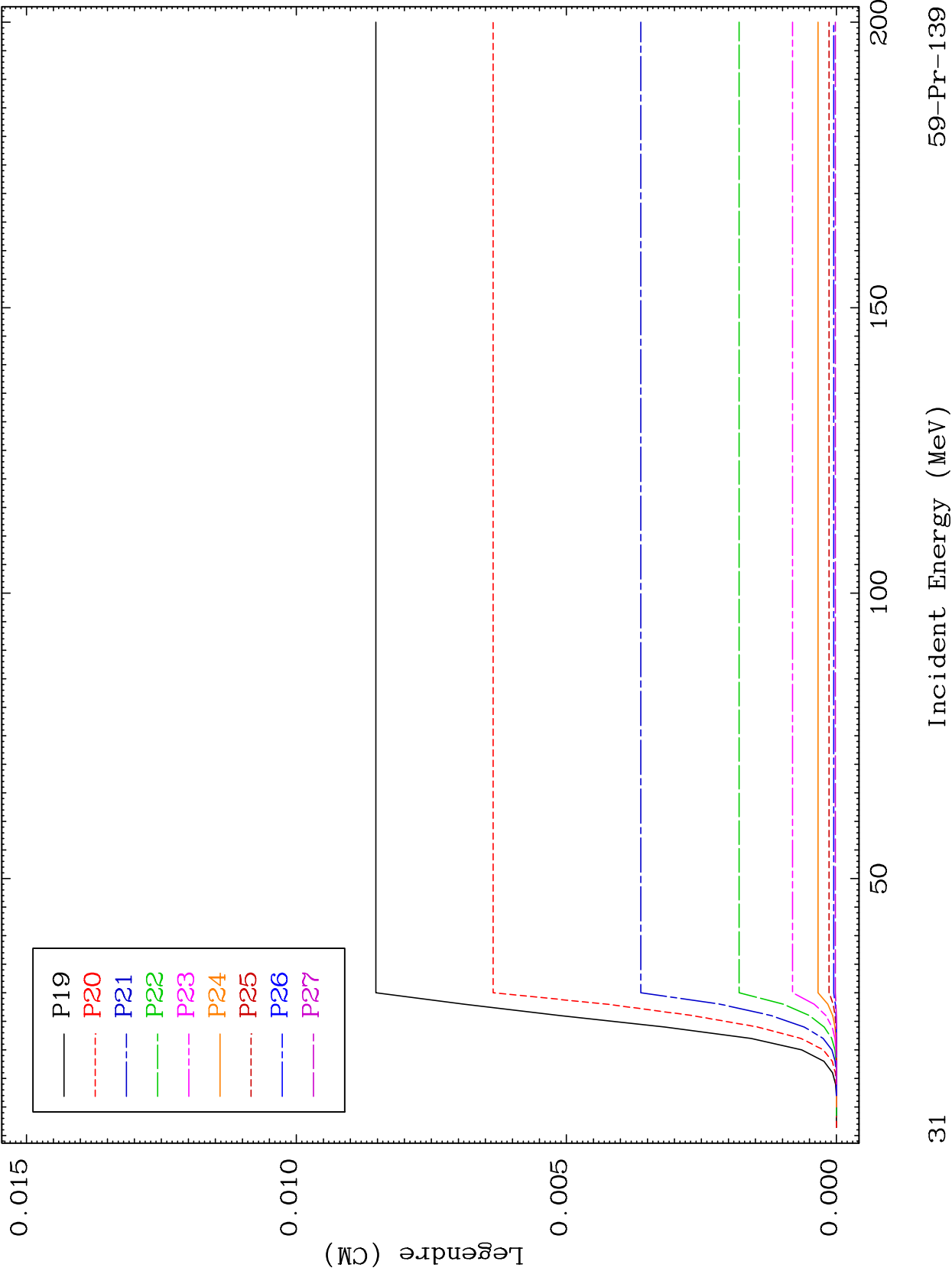


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Incident Energy (MeV)

59-Pr-139

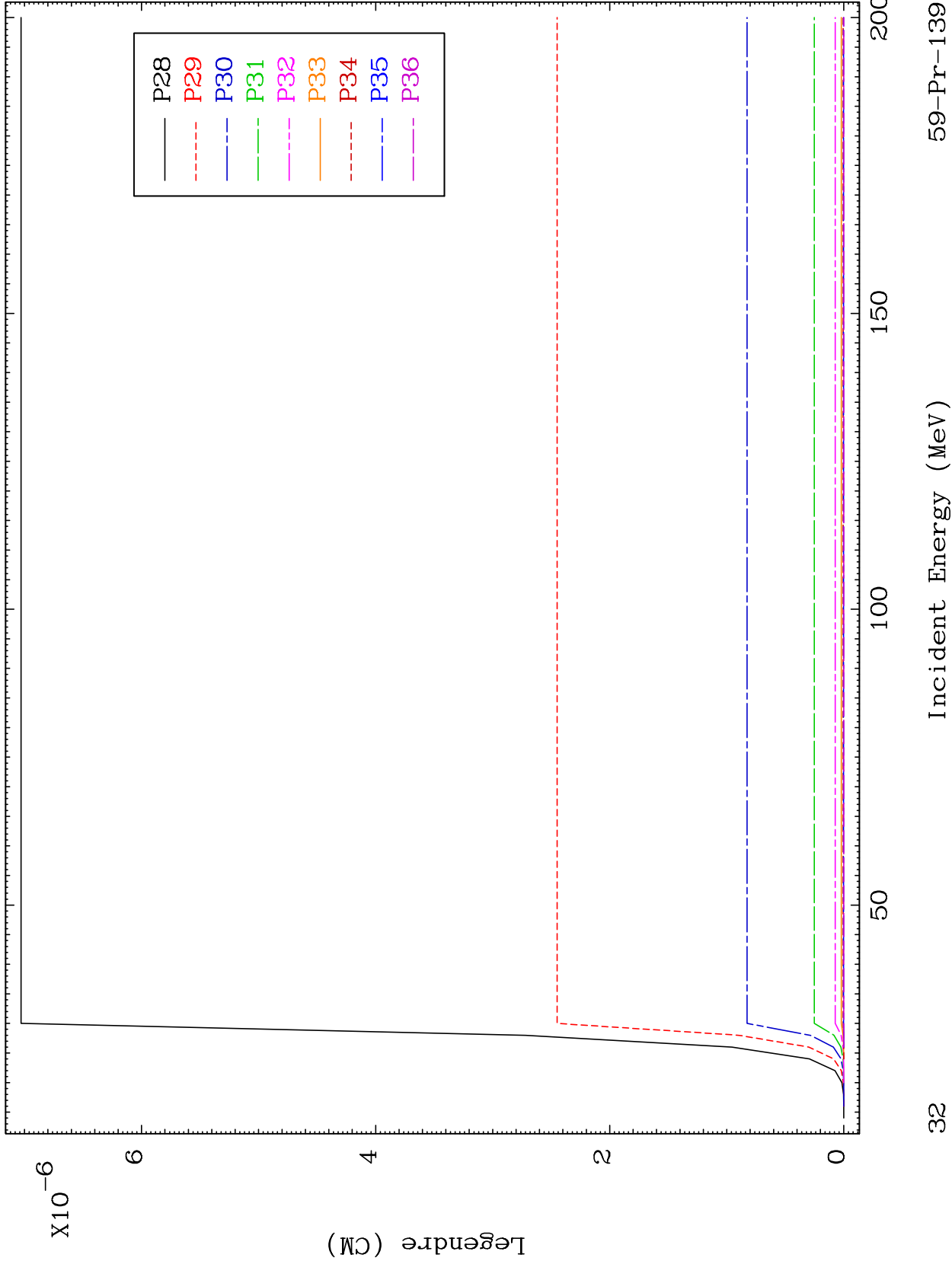




MAT 5919

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

59-Pr-139



32

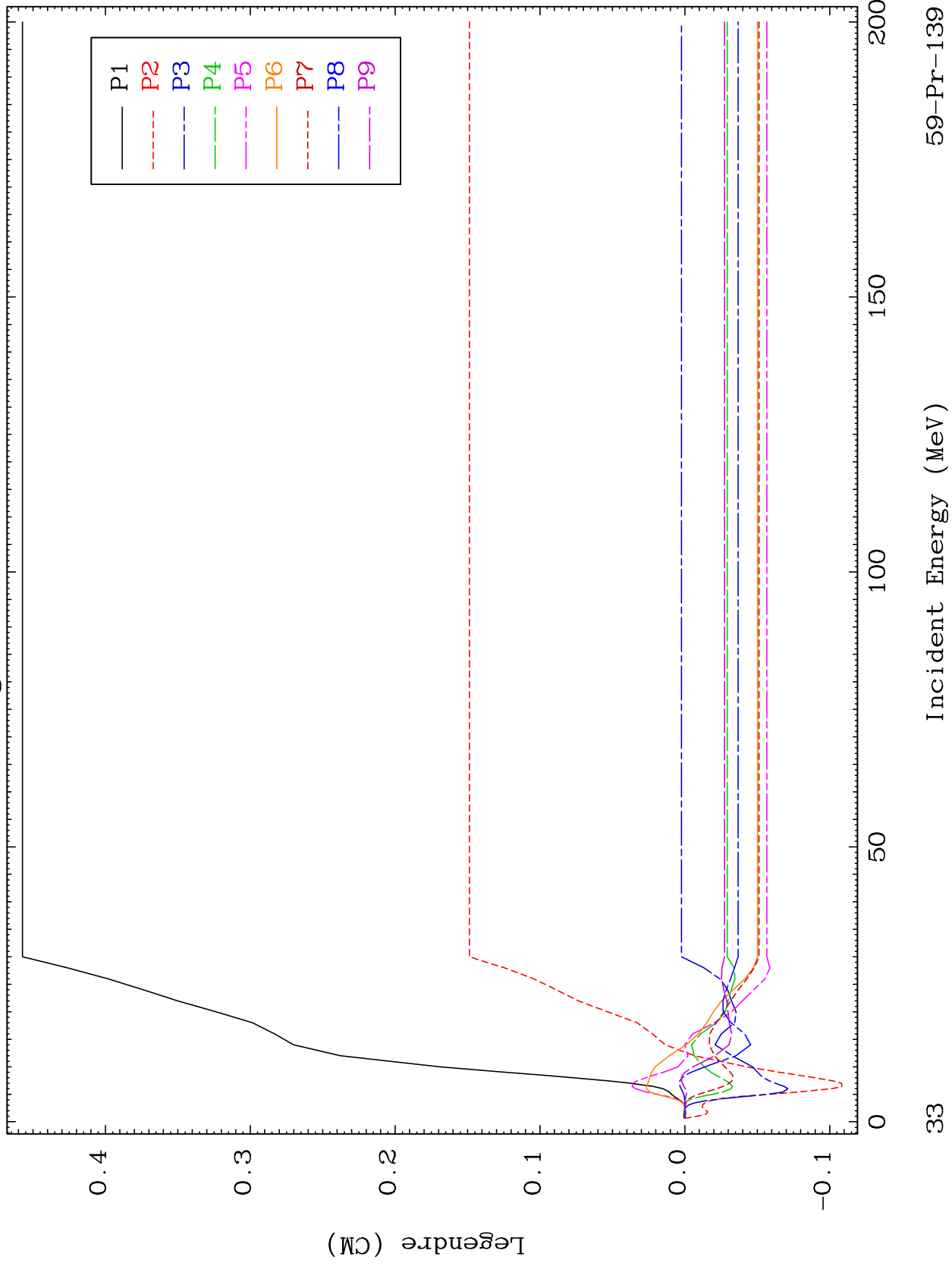
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



59-Pr-139

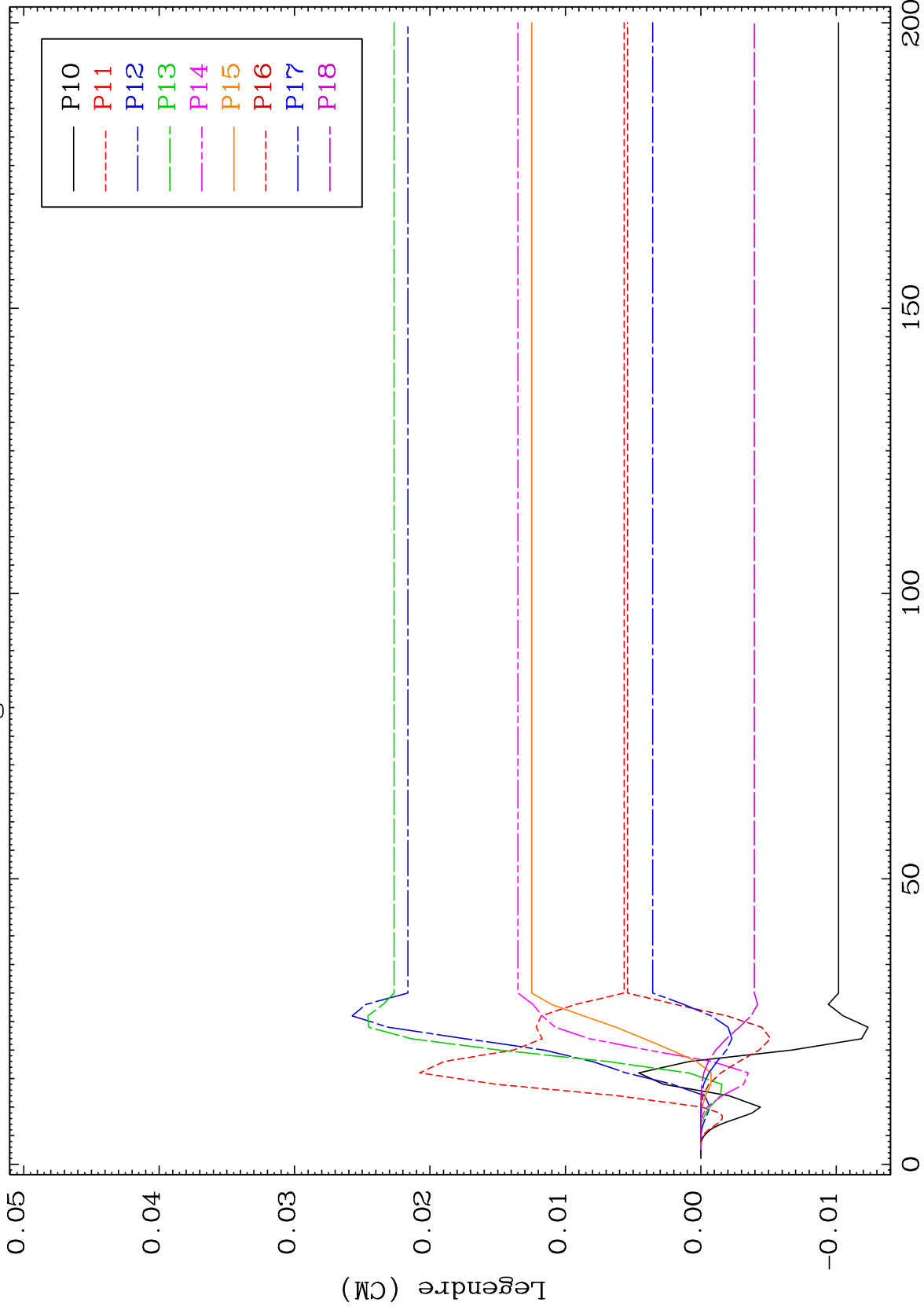
Incident Energy (MeV)

33

MAT 5919

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

59-Pr-139



34

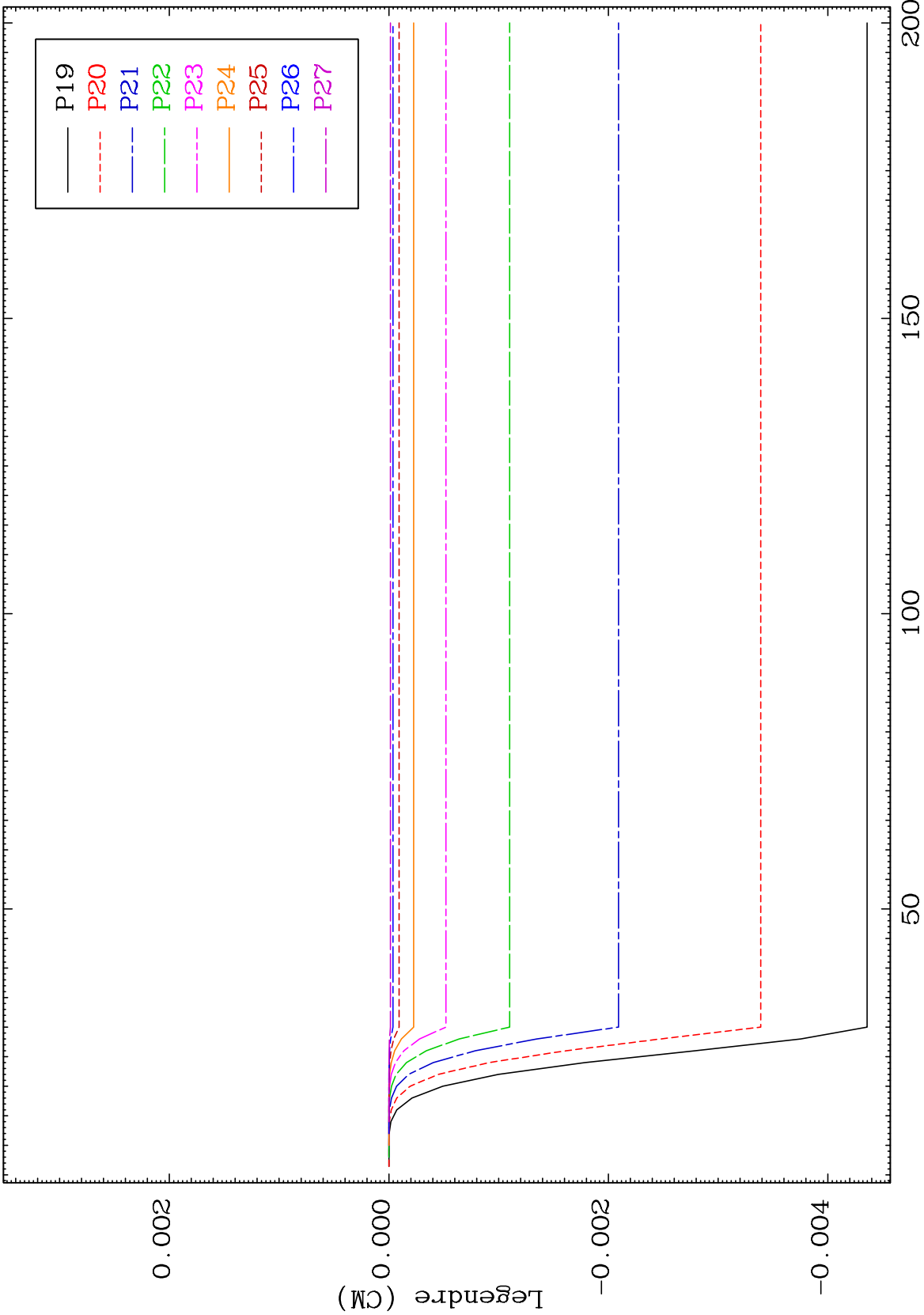
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

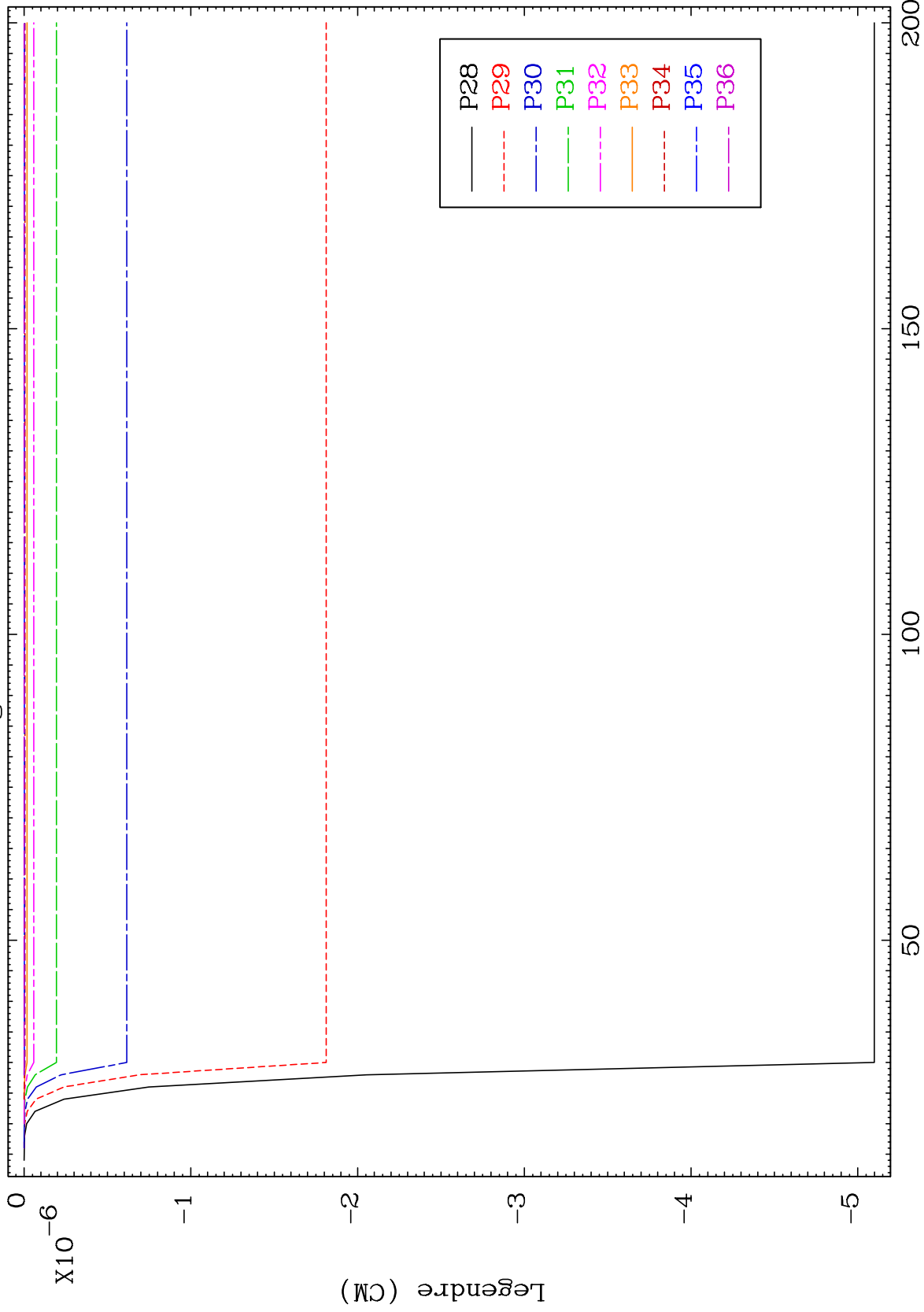
59-Pr-139



35

Incident Energy (MeV)

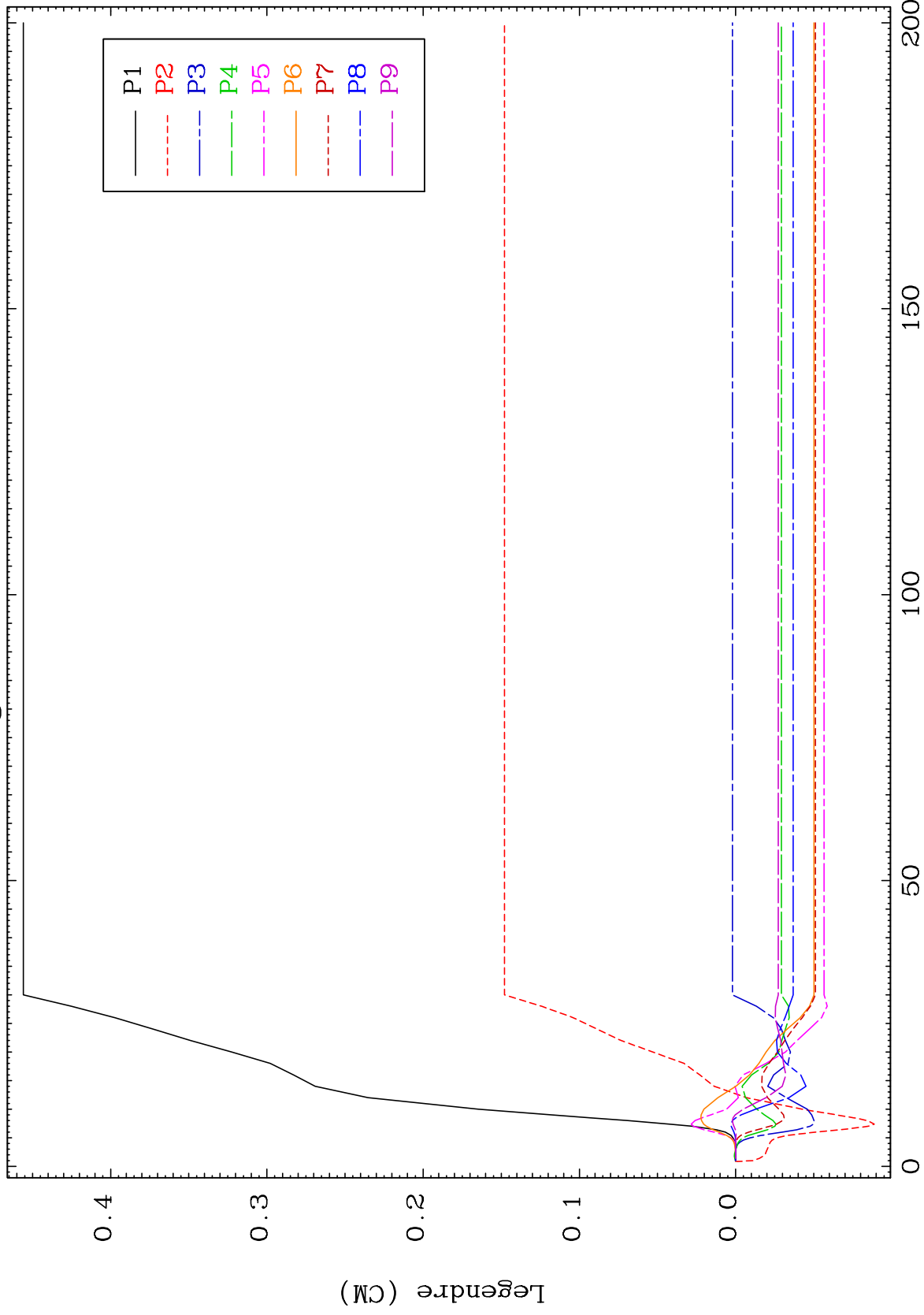
59-Pr-139



MAT 5919

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

59-Pr-139



37

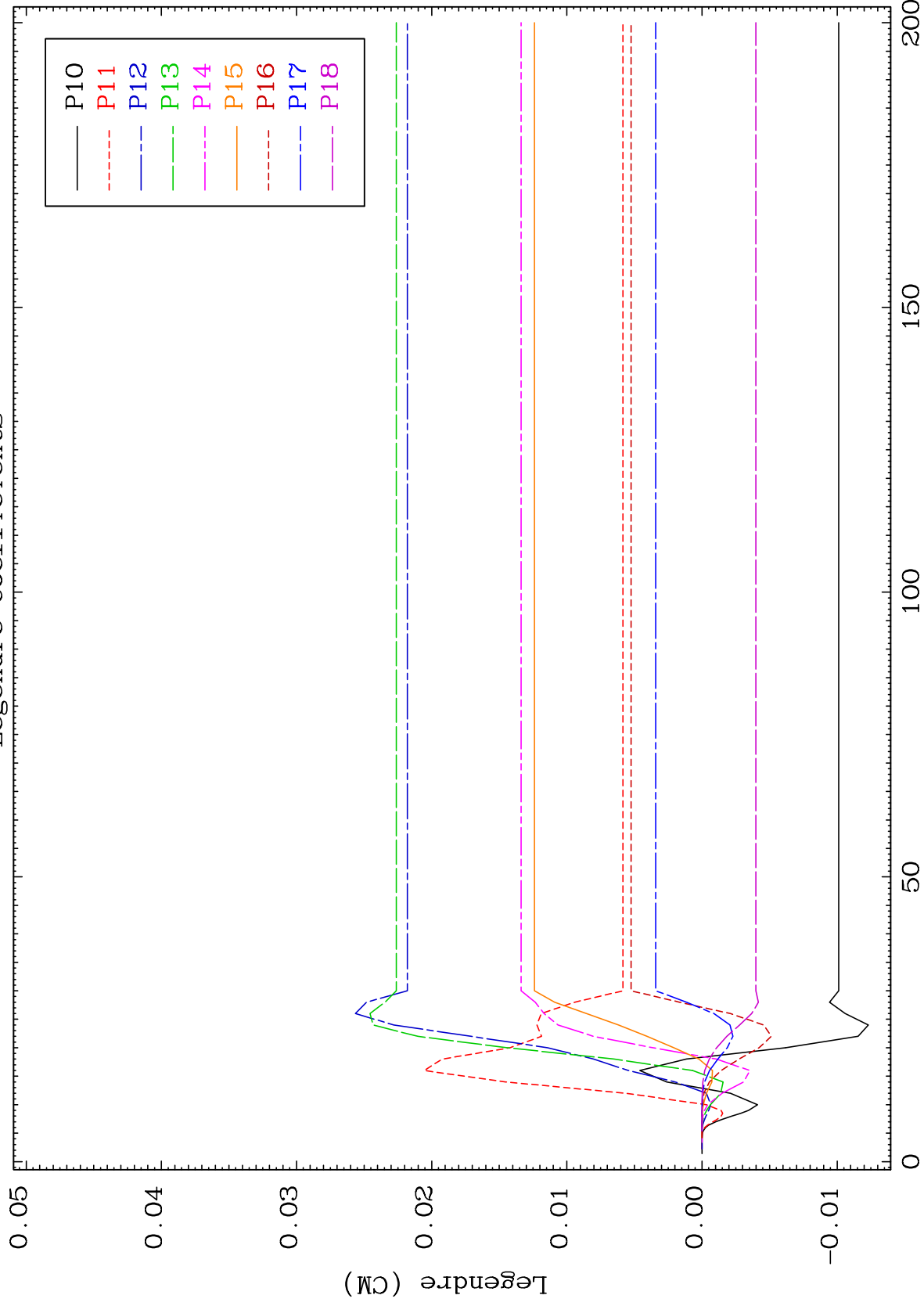
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

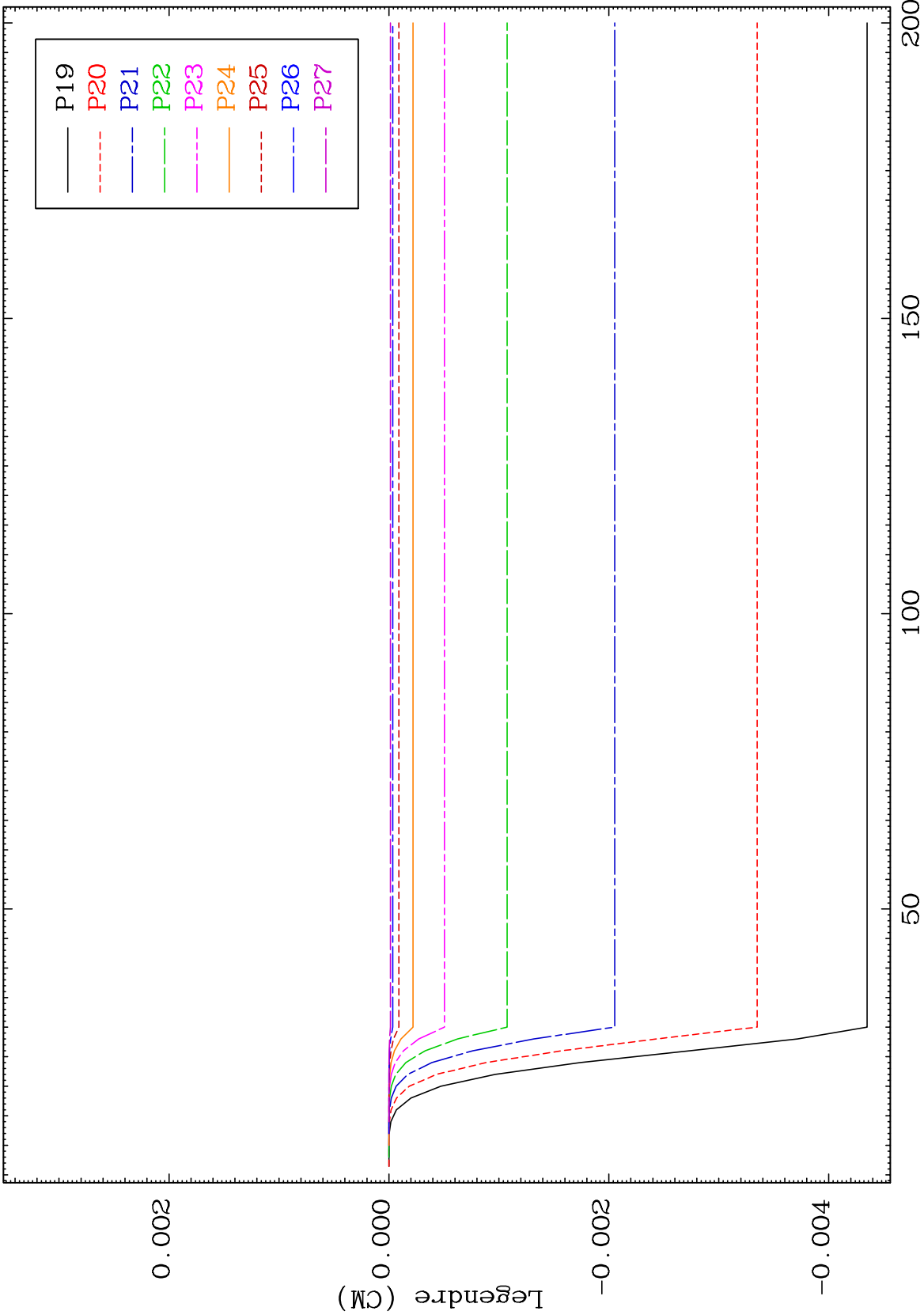
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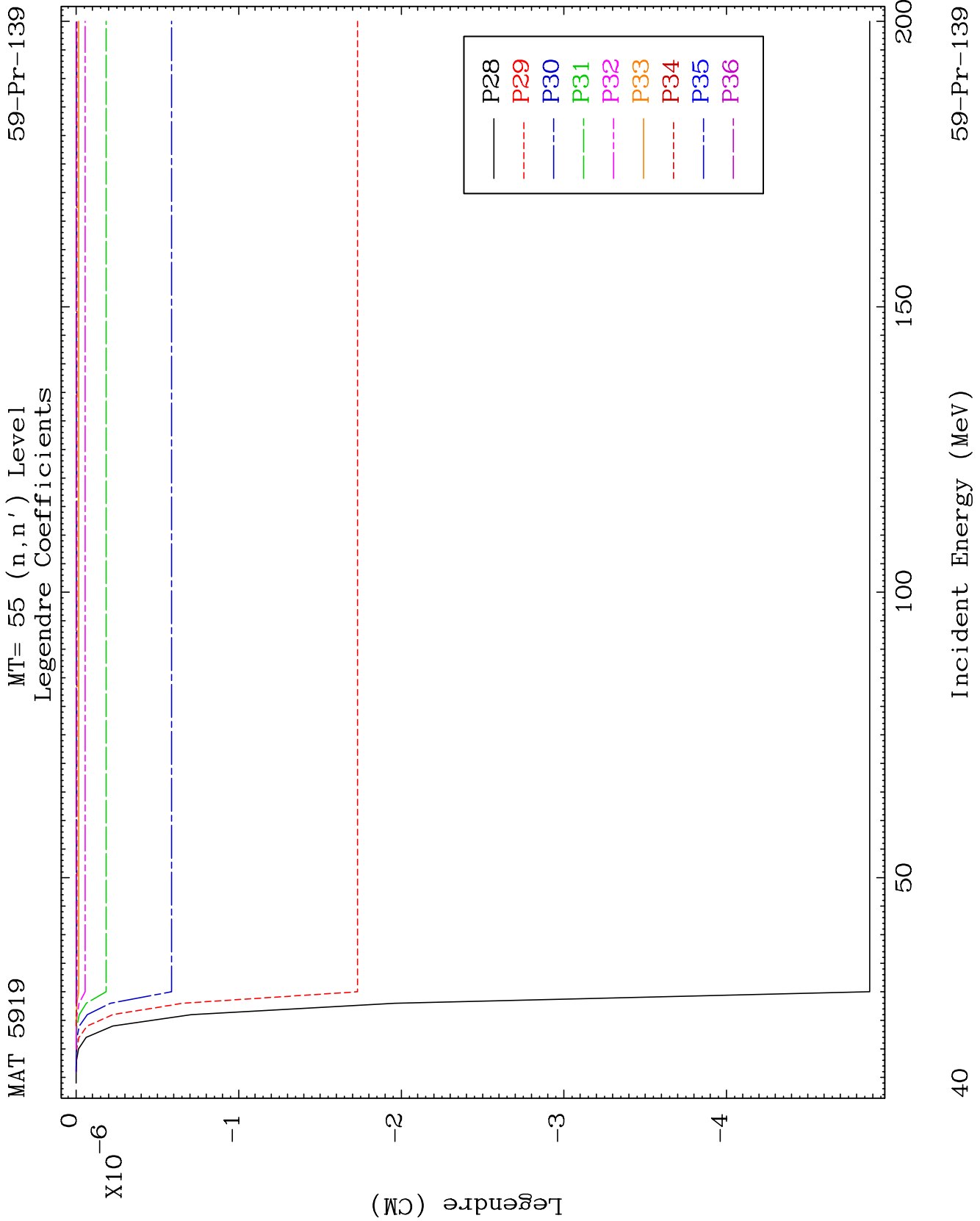


38

Incident Energy (MeV)

59-Pr-139

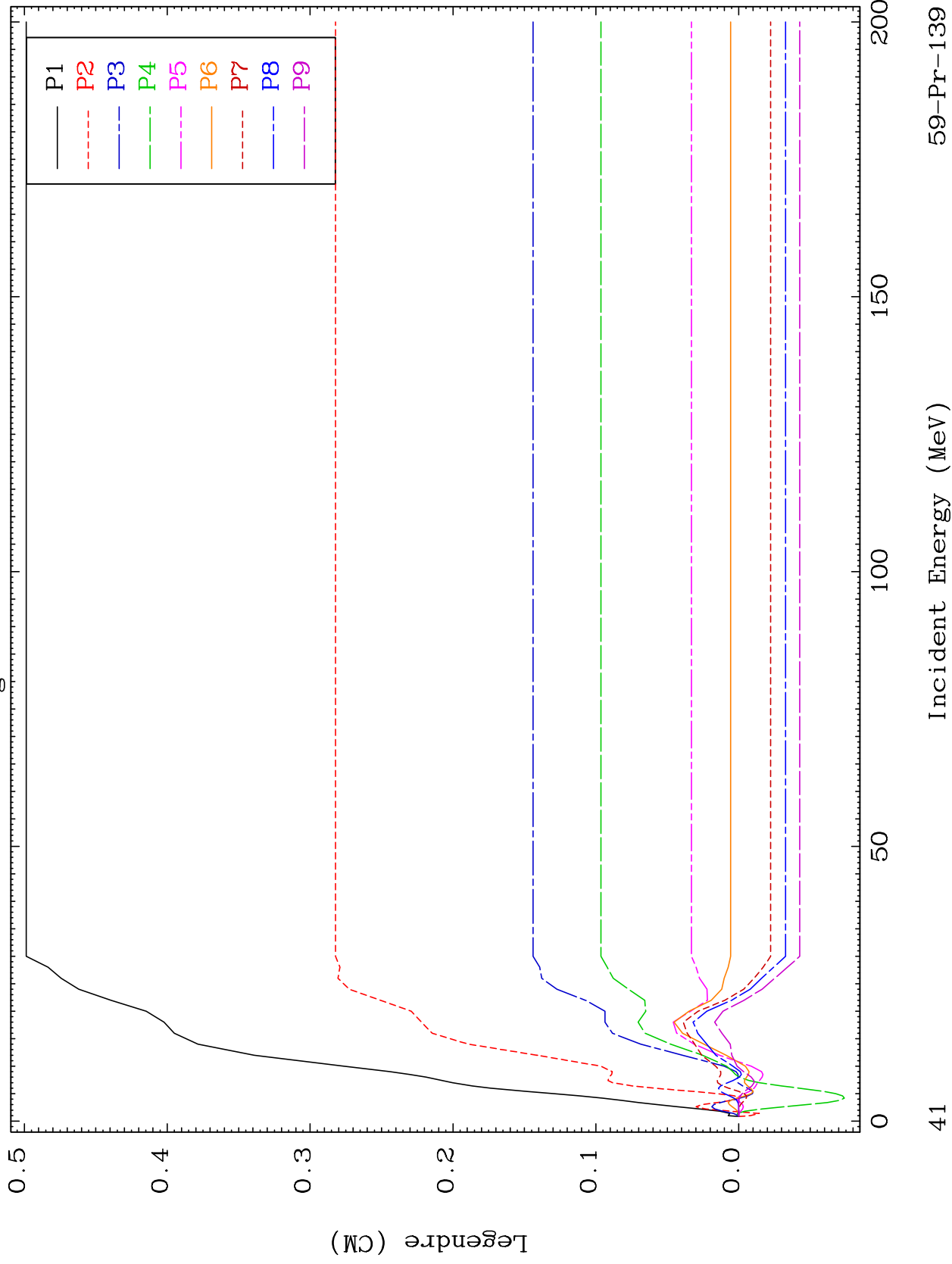




MAT 5919

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

59-Pr-139



59-Pr-139

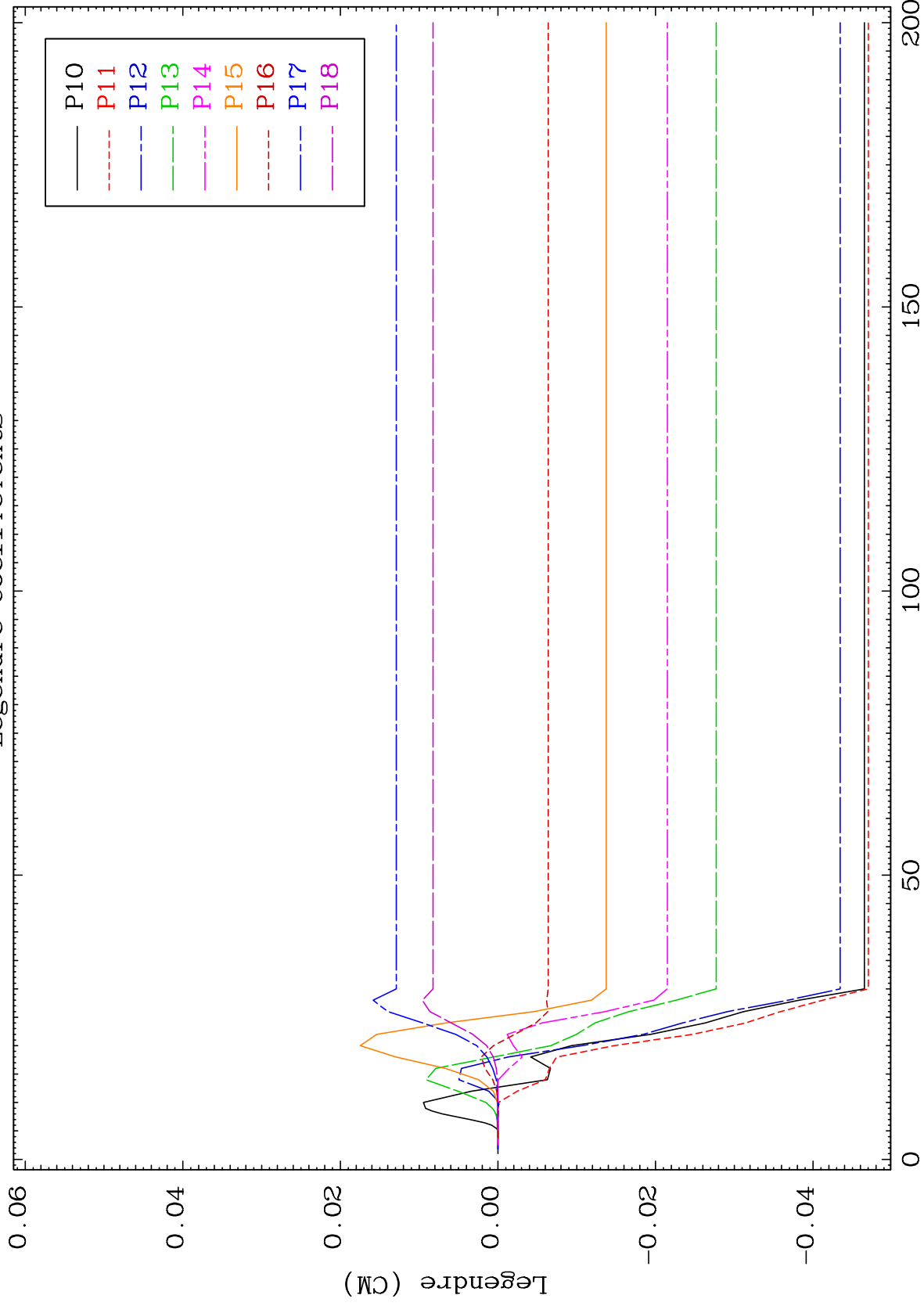
Incident Energy (MeV)

41

MAT 5919

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

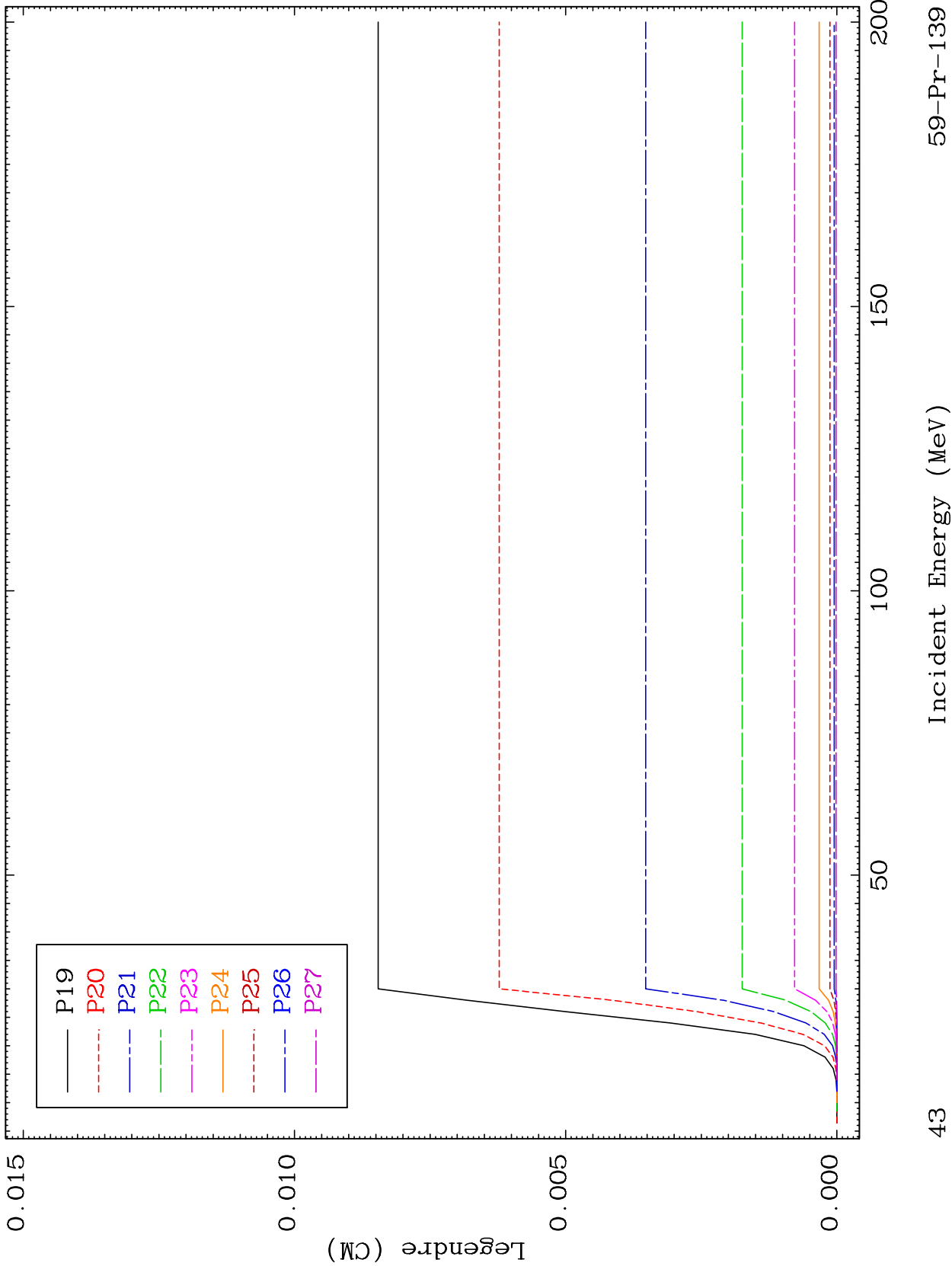
59-Pr-139



42

Incident Energy (MeV)

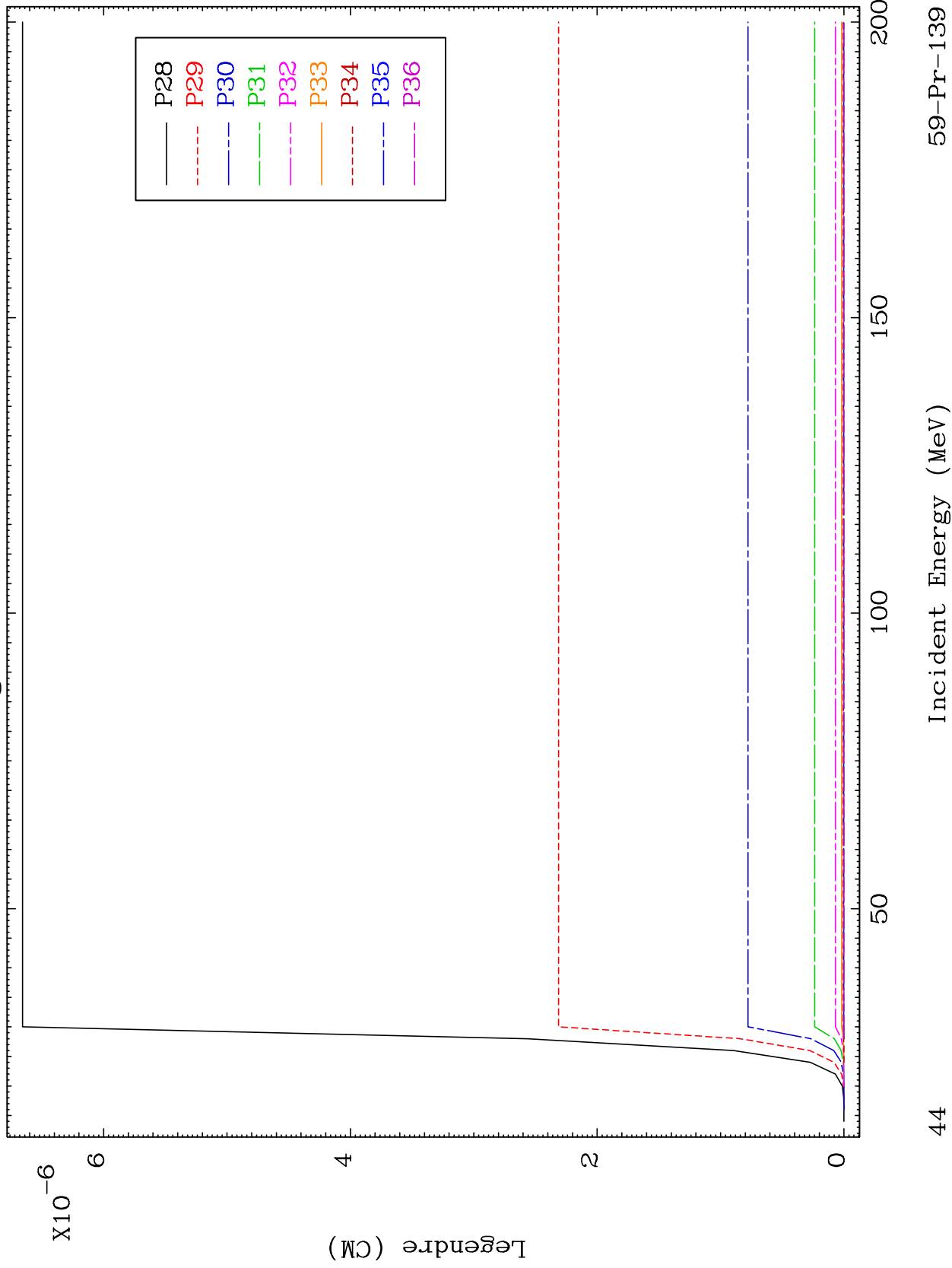
59-Pr-139



MAT 5919

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

59-Pr-139



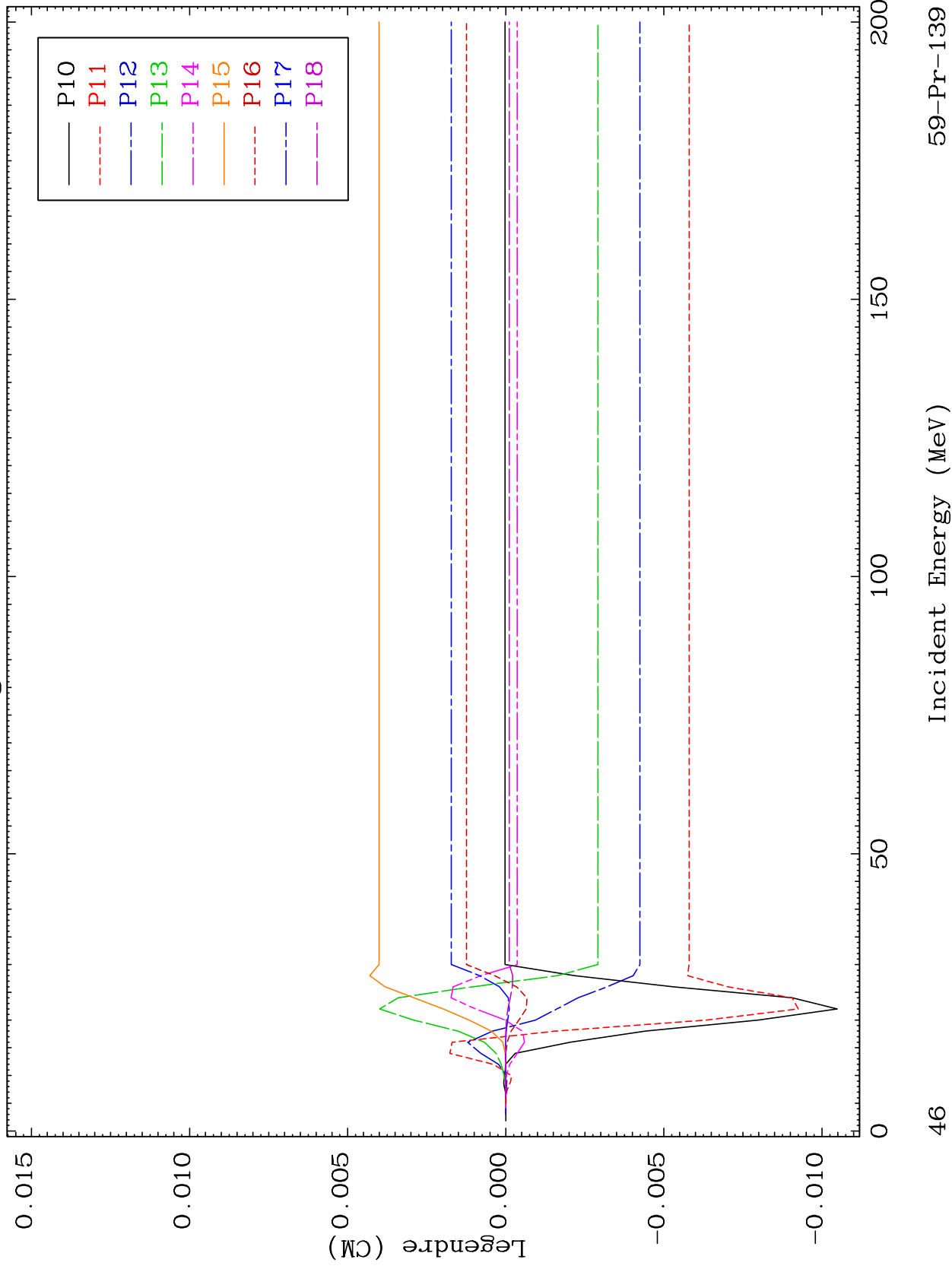
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59-Pr-139

MAT 5919

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

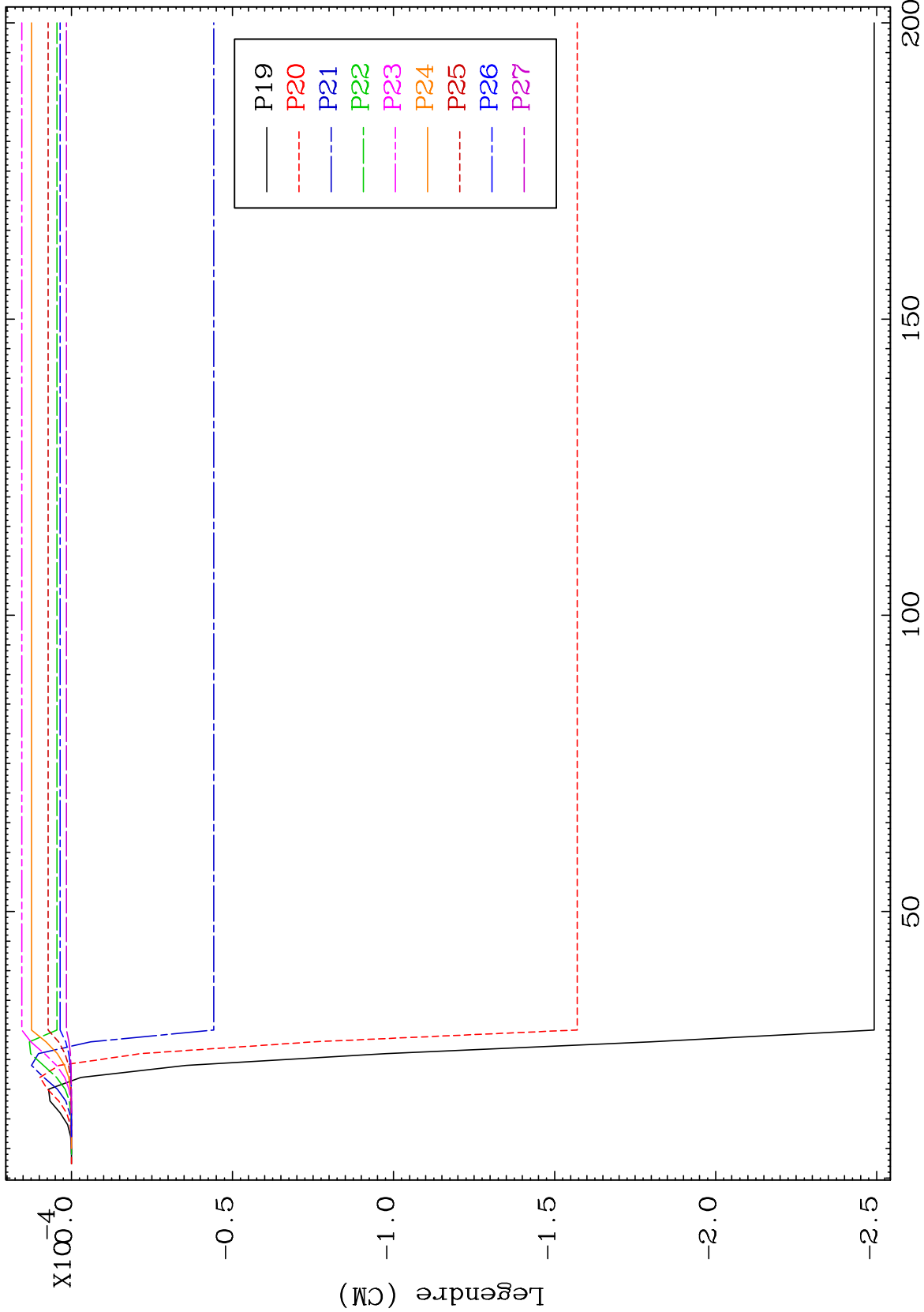
59-Pr-139



46

Incident Energy (MeV)

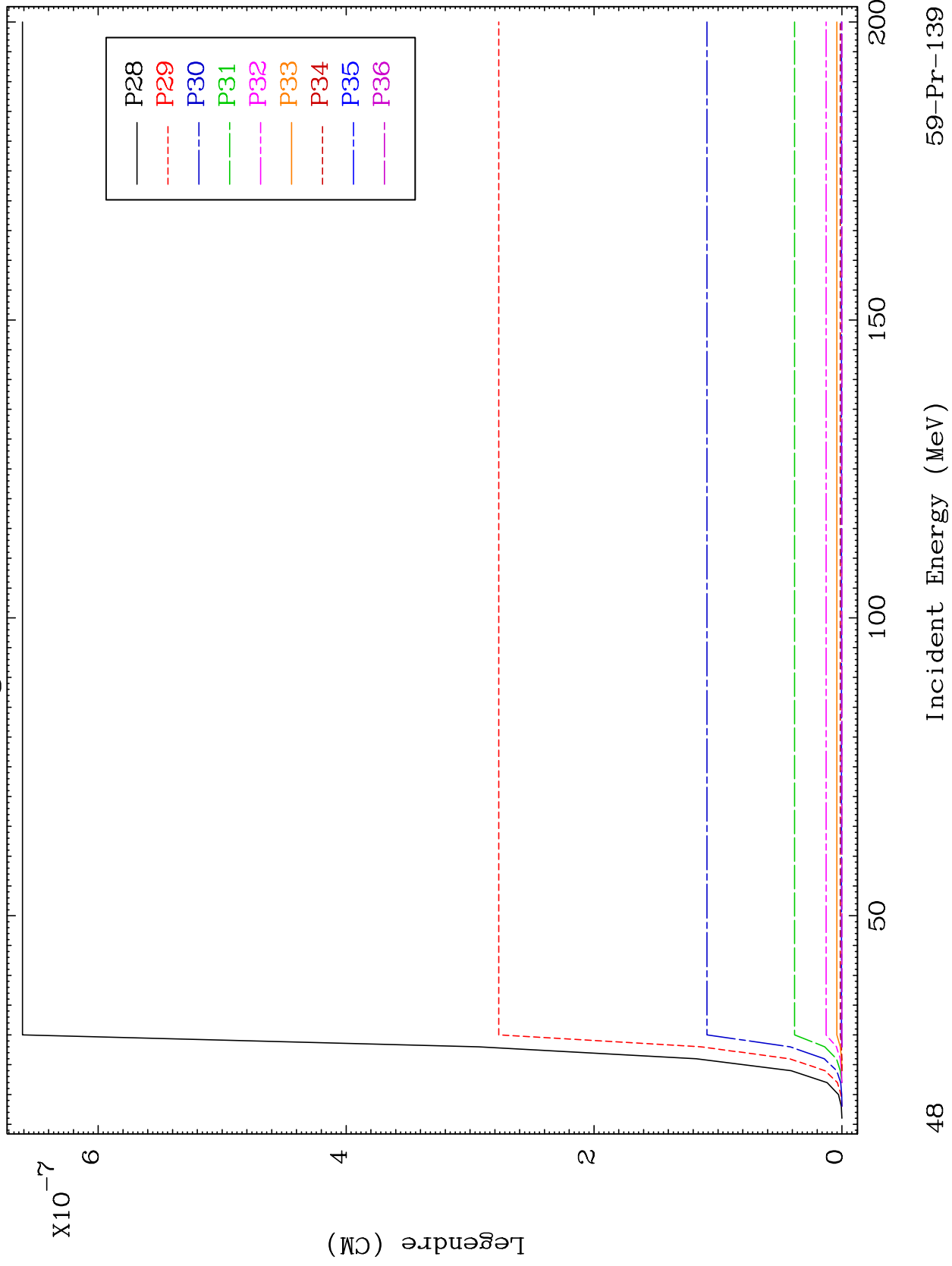
59-Pr-139



MAT 5919

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

59-Pr-139



48

Incident Energy (MeV)

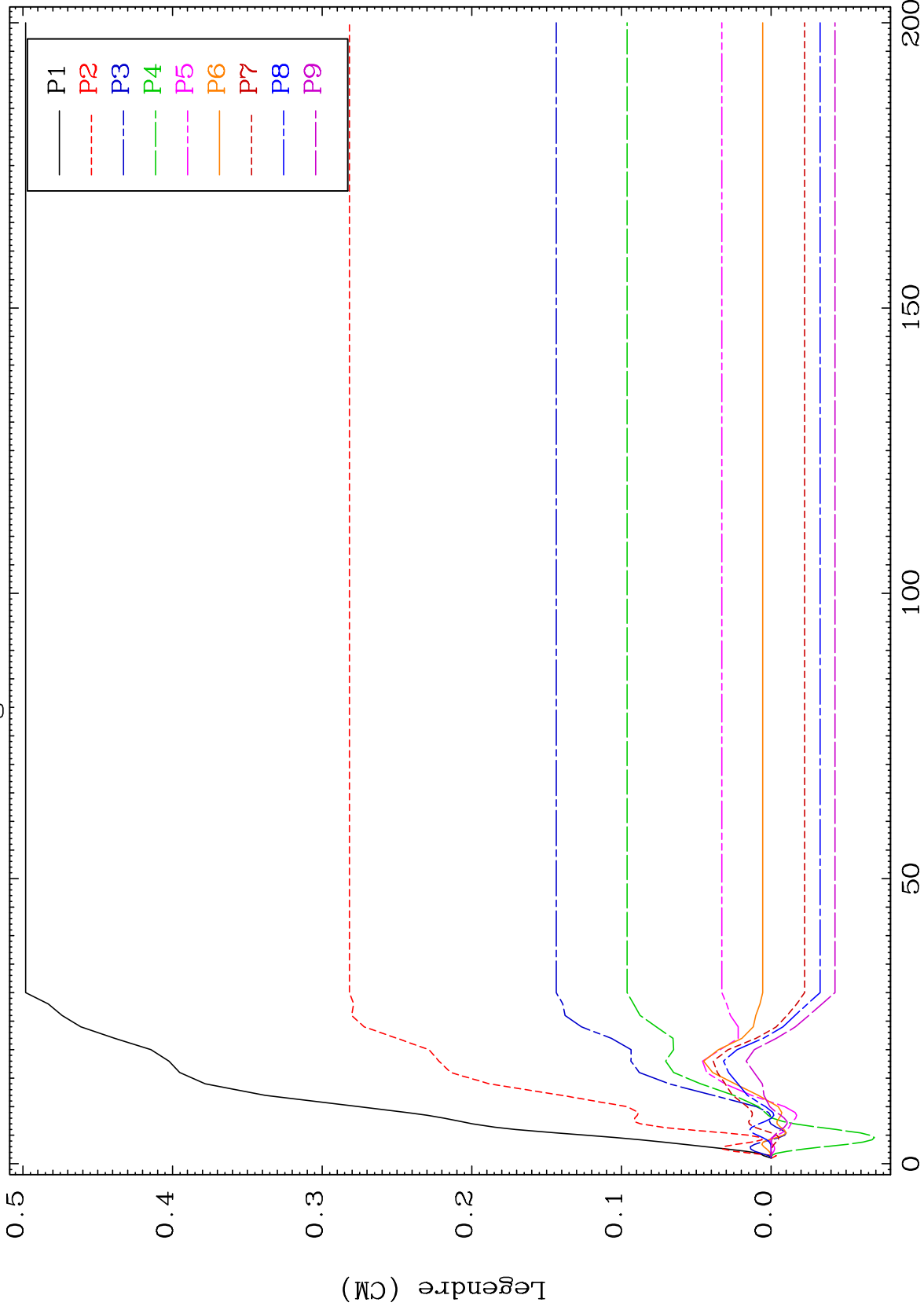
59-Pr-139

MAT 5919

MT= 58 (n,n') Level

59-Pr-139

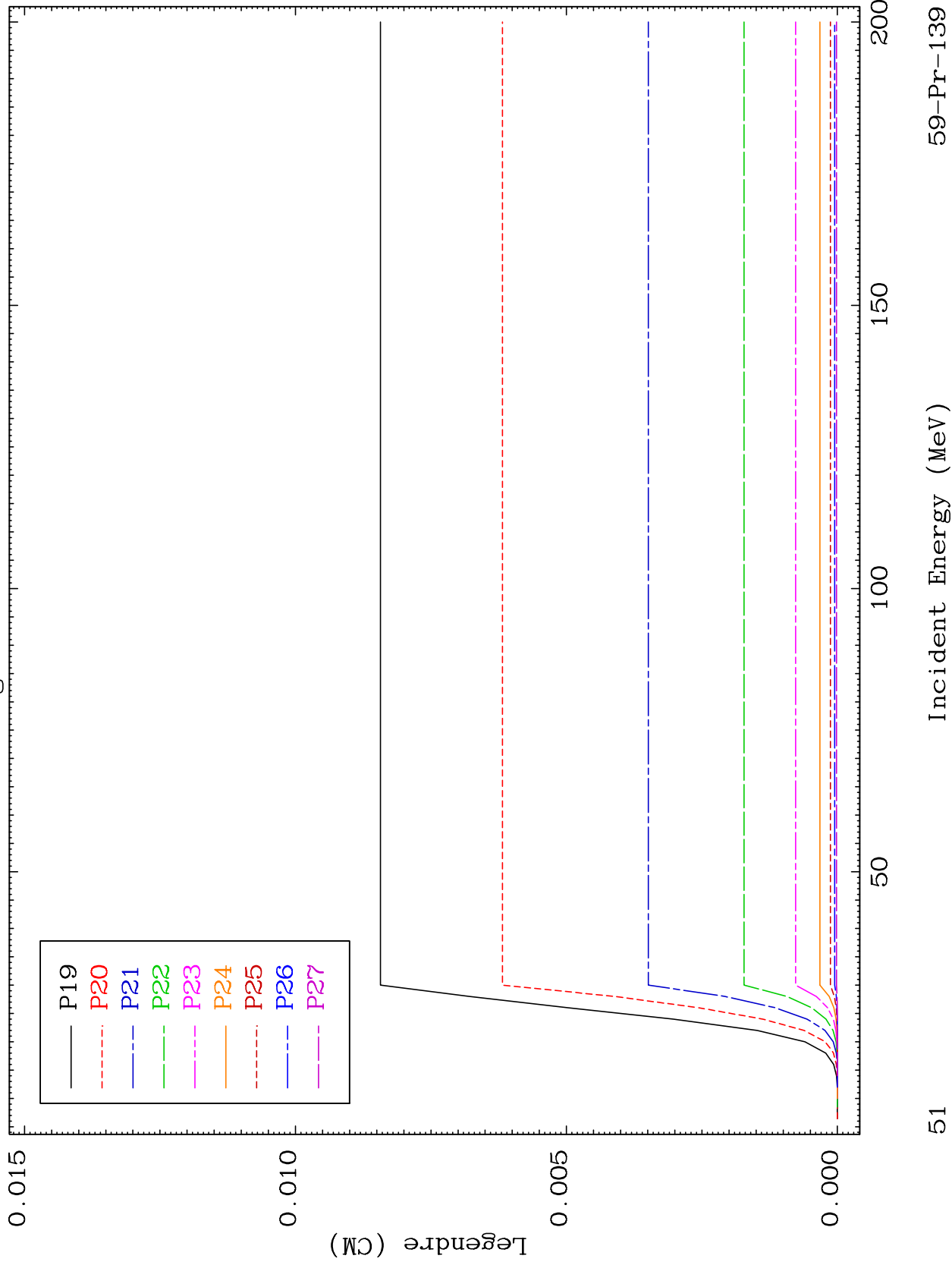
Legendre Coefficients



49

Incident Energy (MeV)

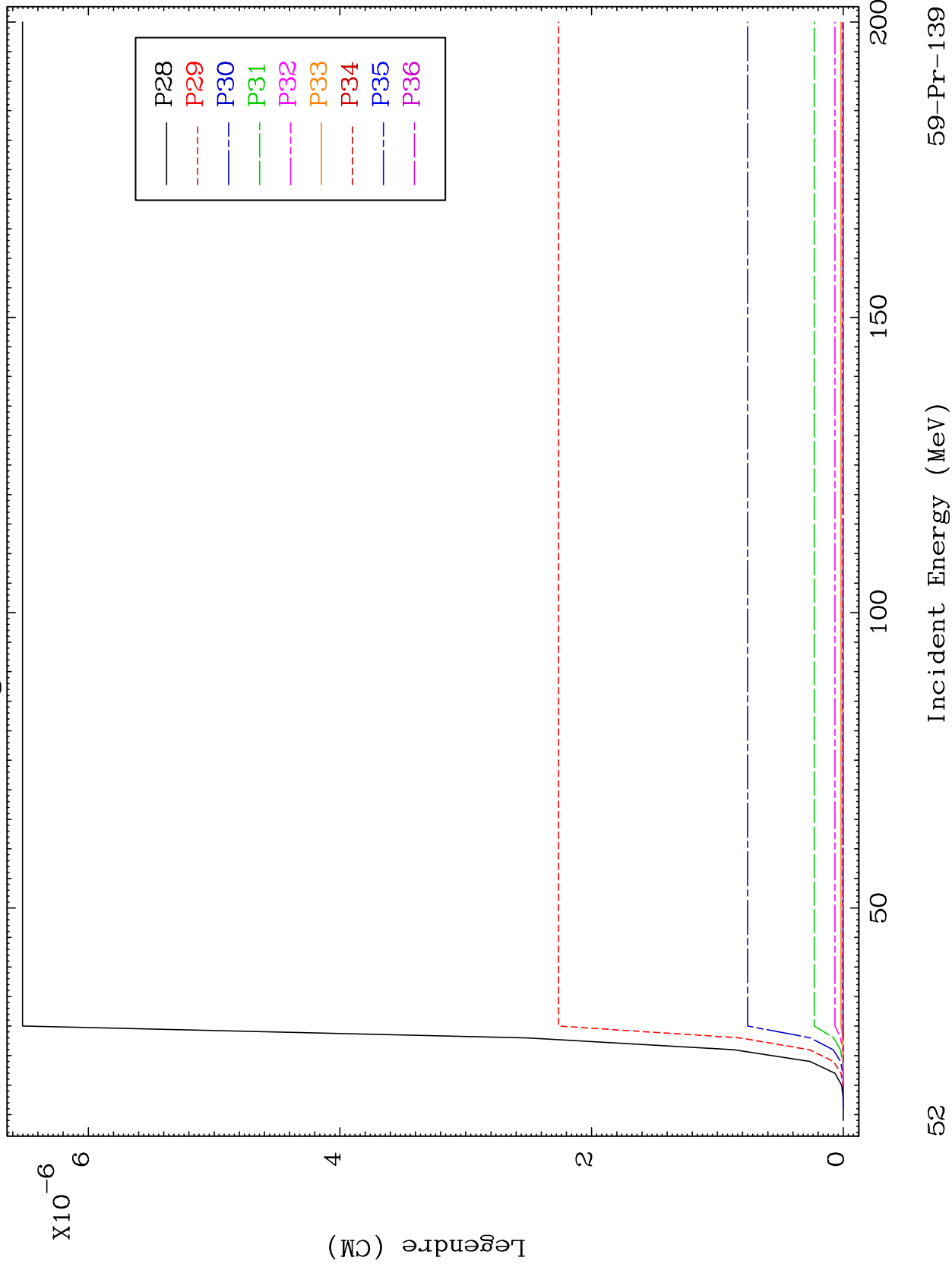
59-Pr-139



MAT 5919

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

59-Pr-139



52

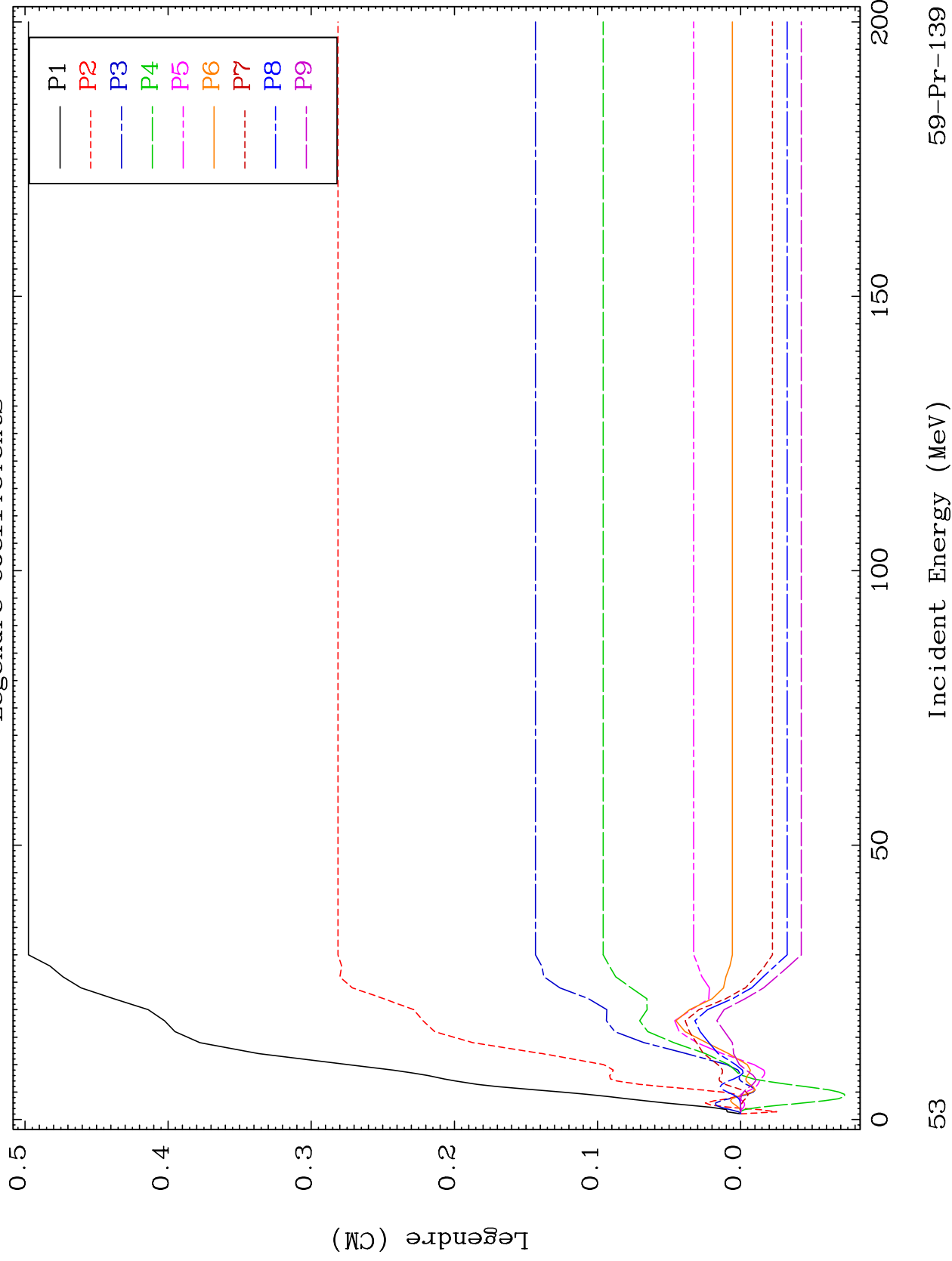
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



53

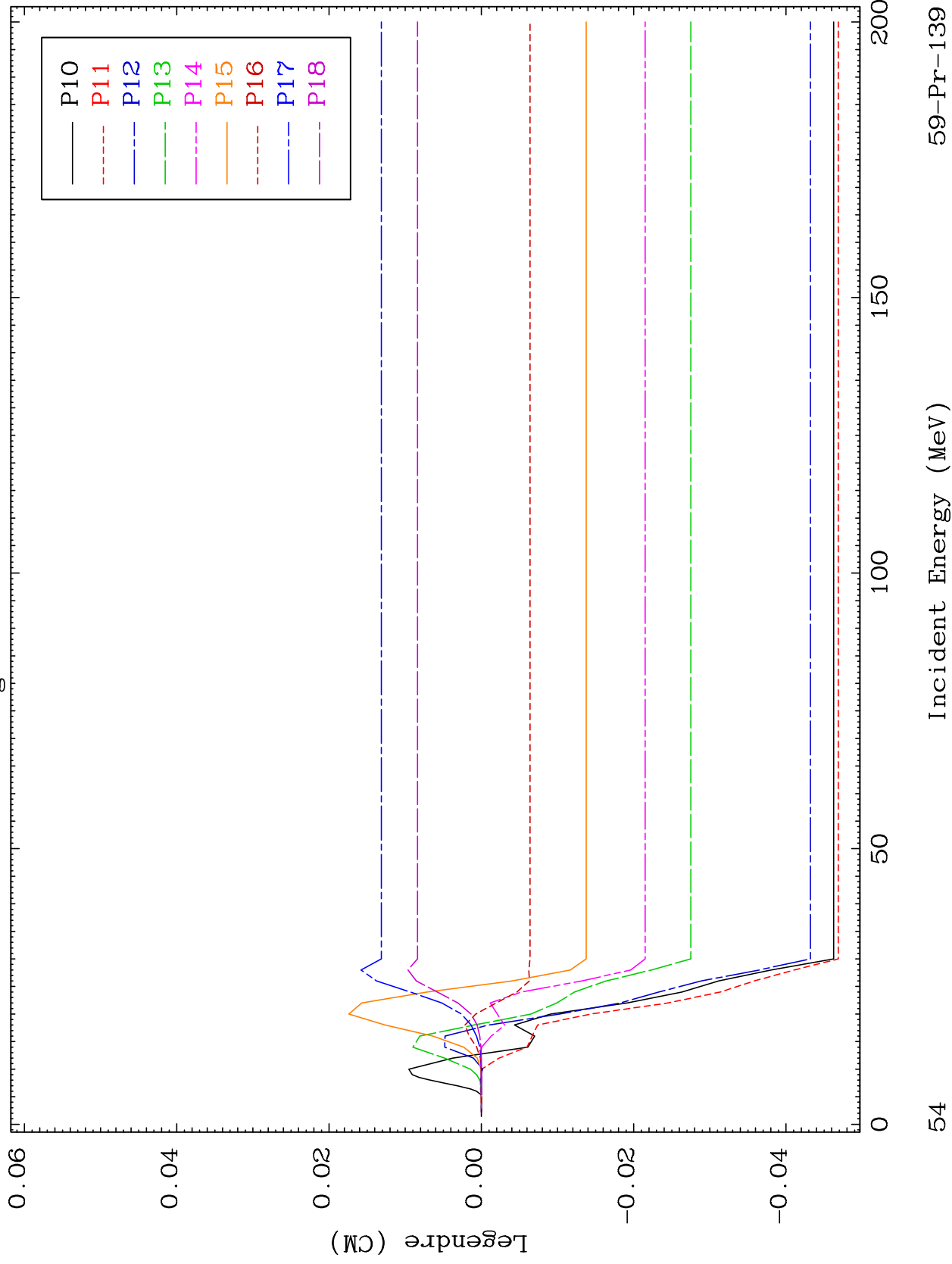
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



54

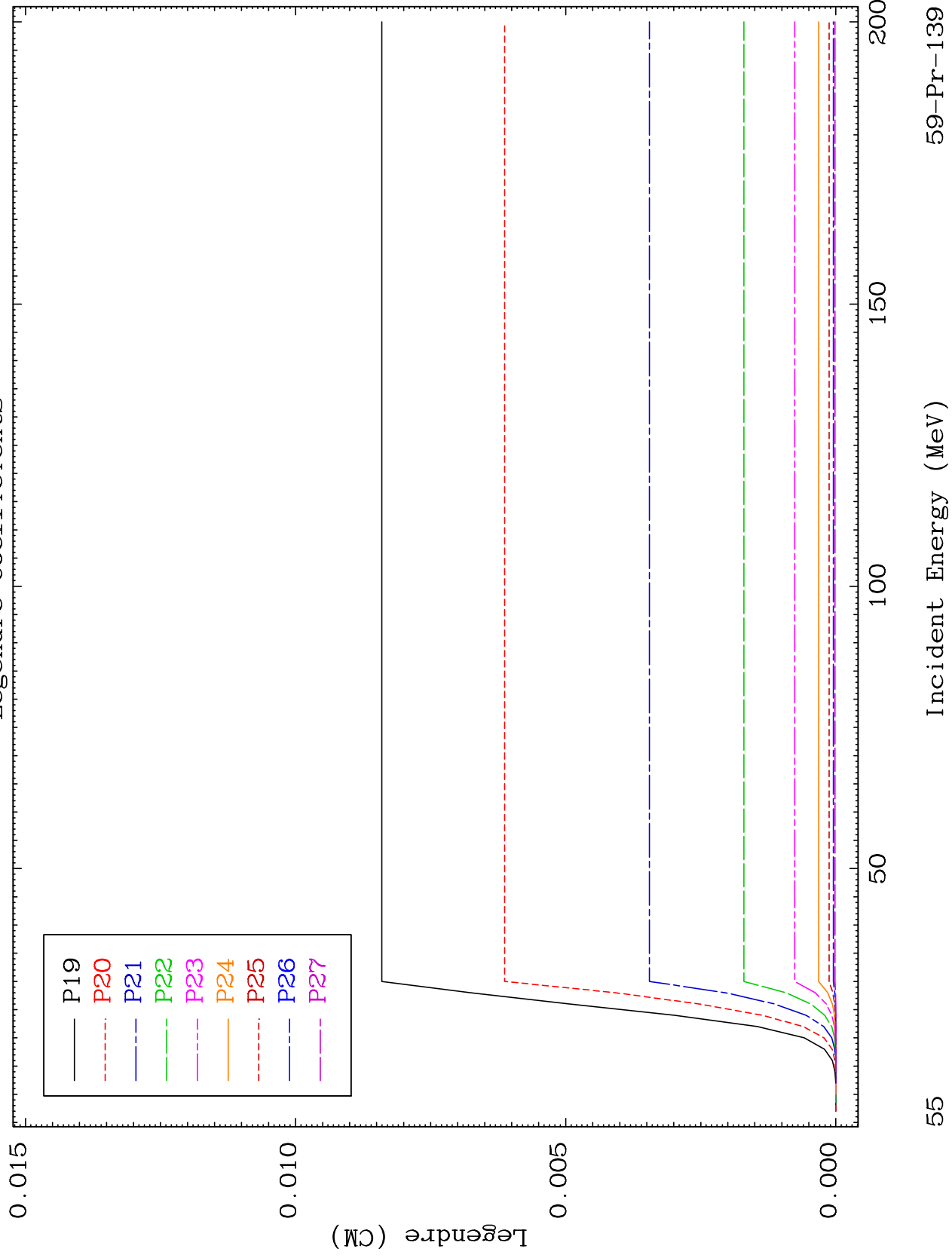
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



55

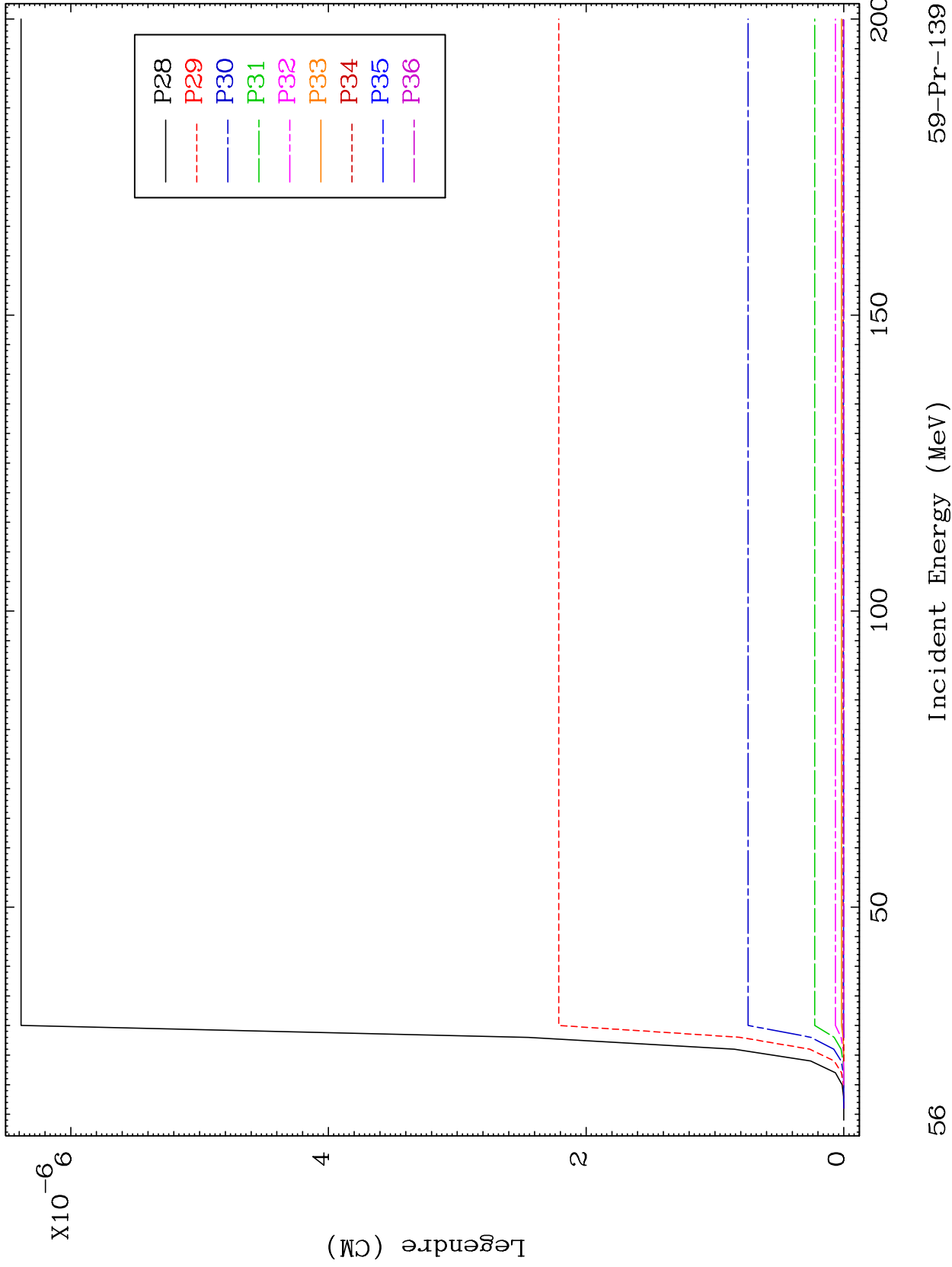
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139

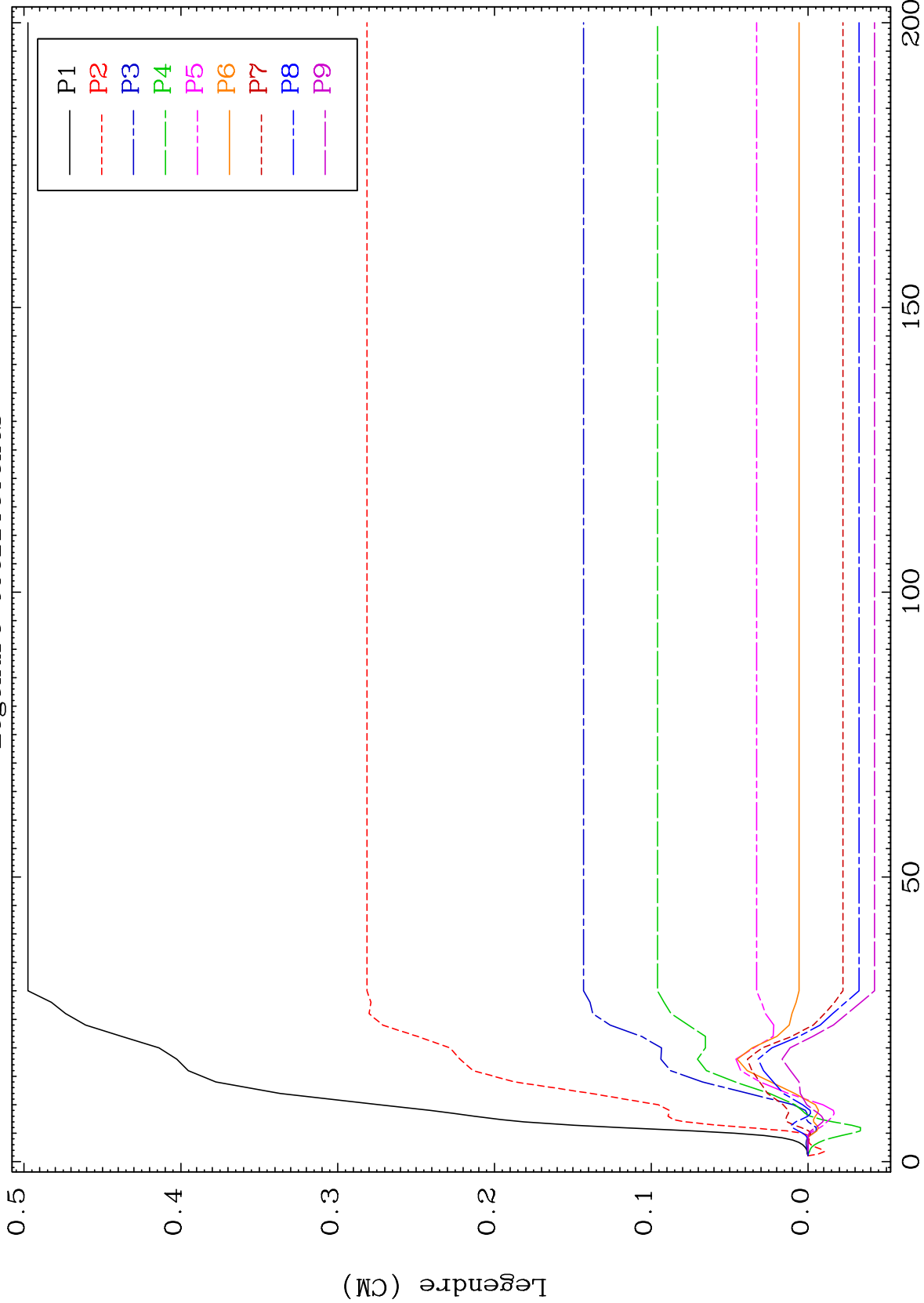


MAT 5919

MT= 60 (n,n') Level

59-Pr-139

Legendre Coefficients



57

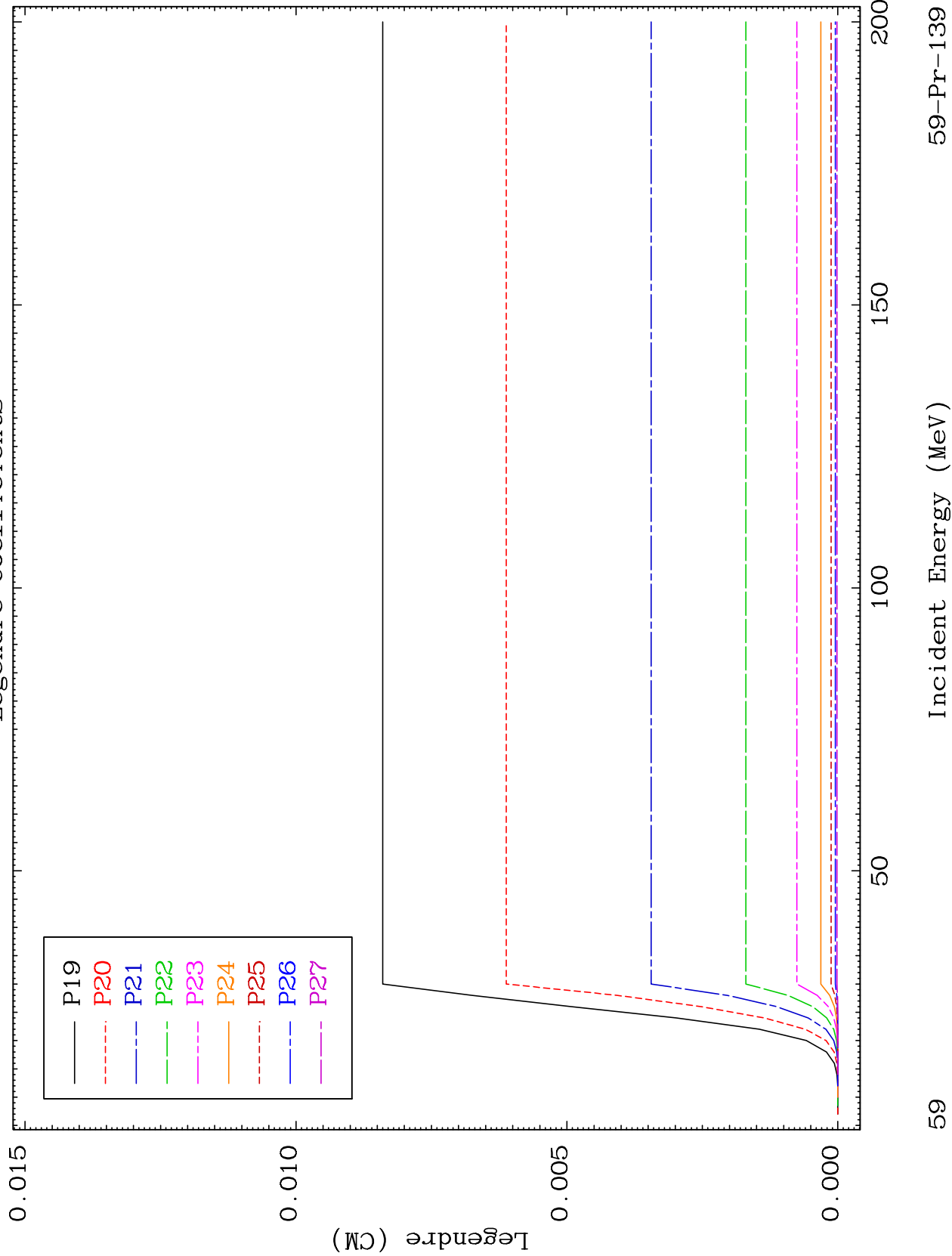
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



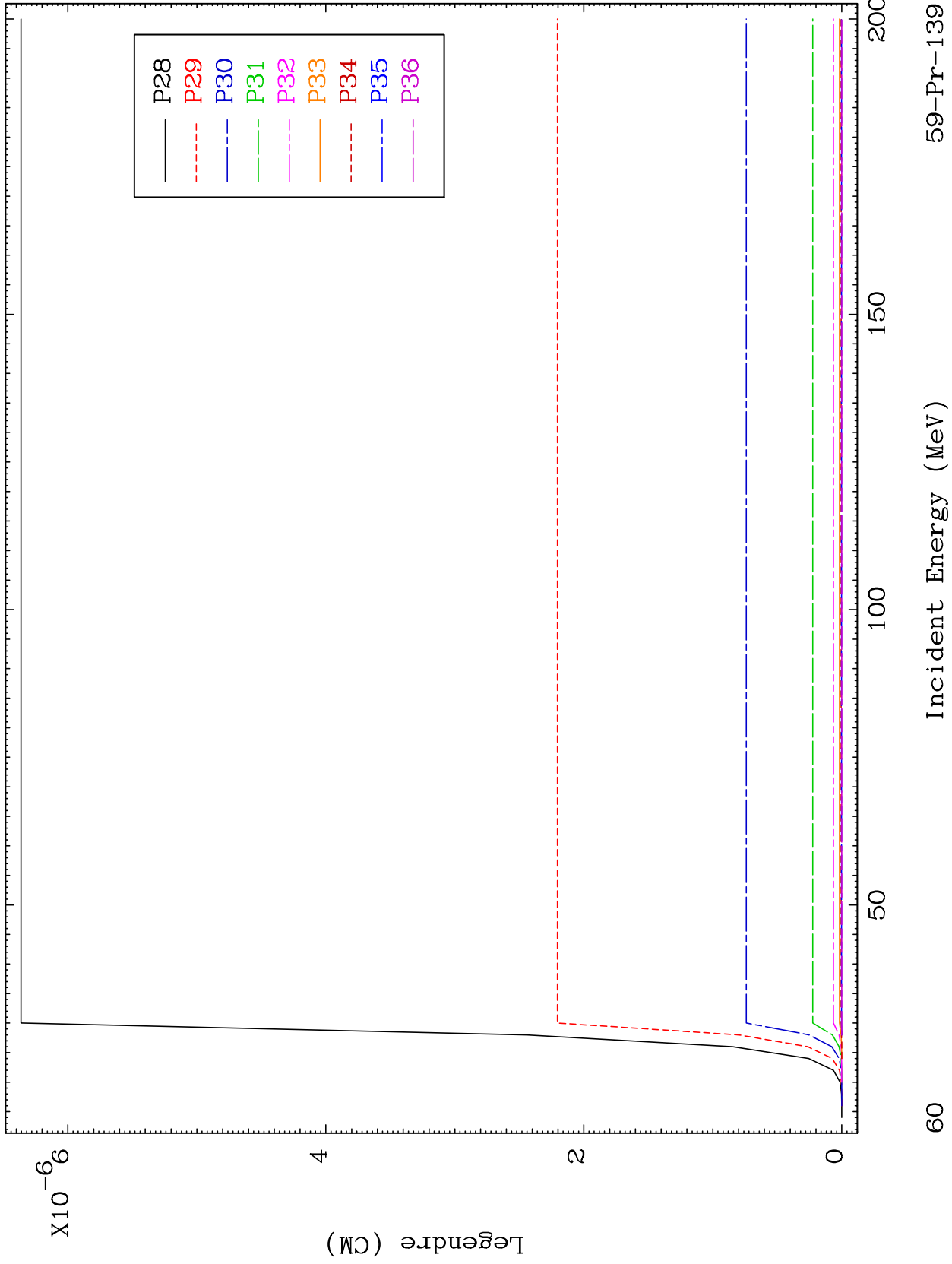
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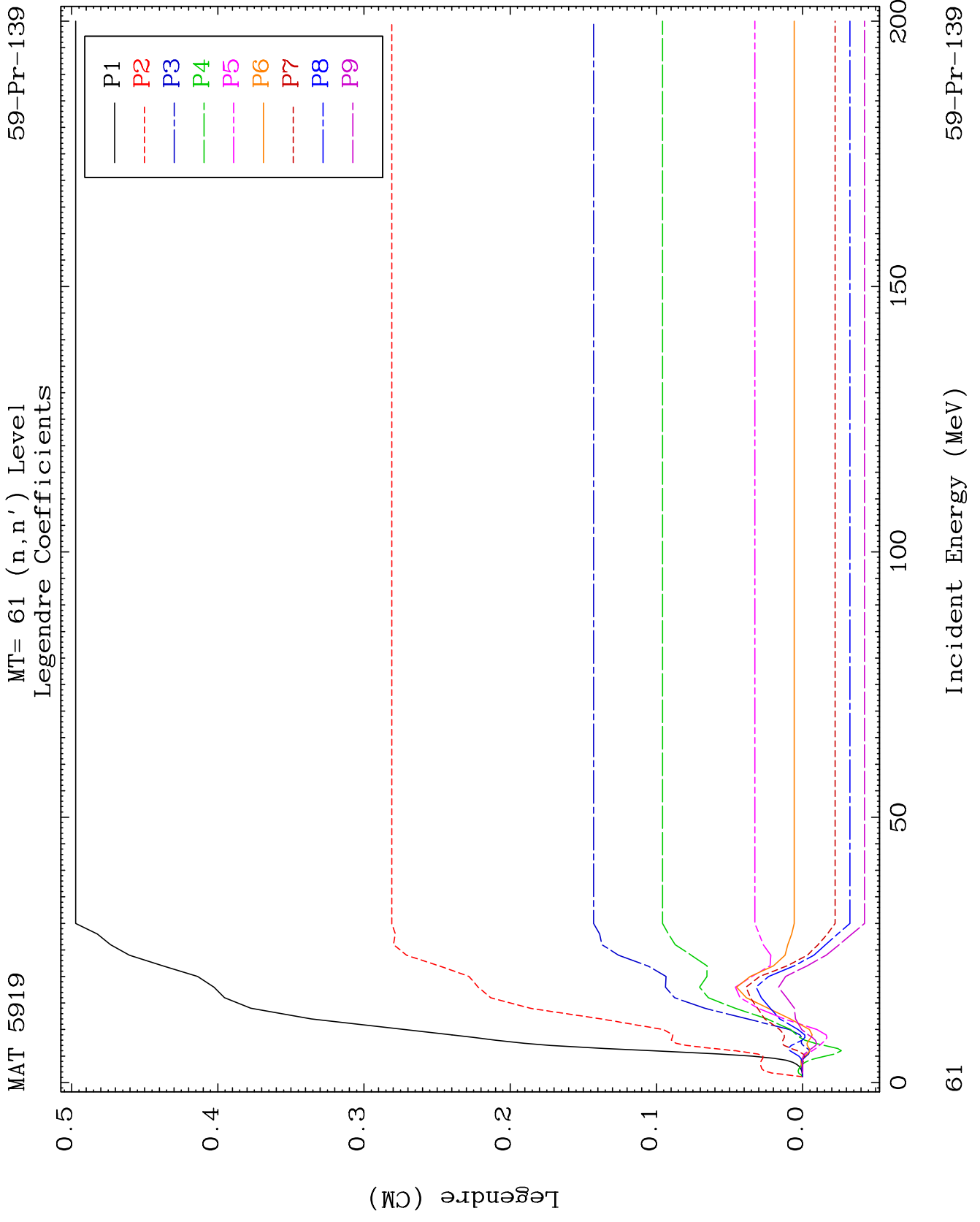
59-Pr-139

MAT 5919

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

59-Pr-139

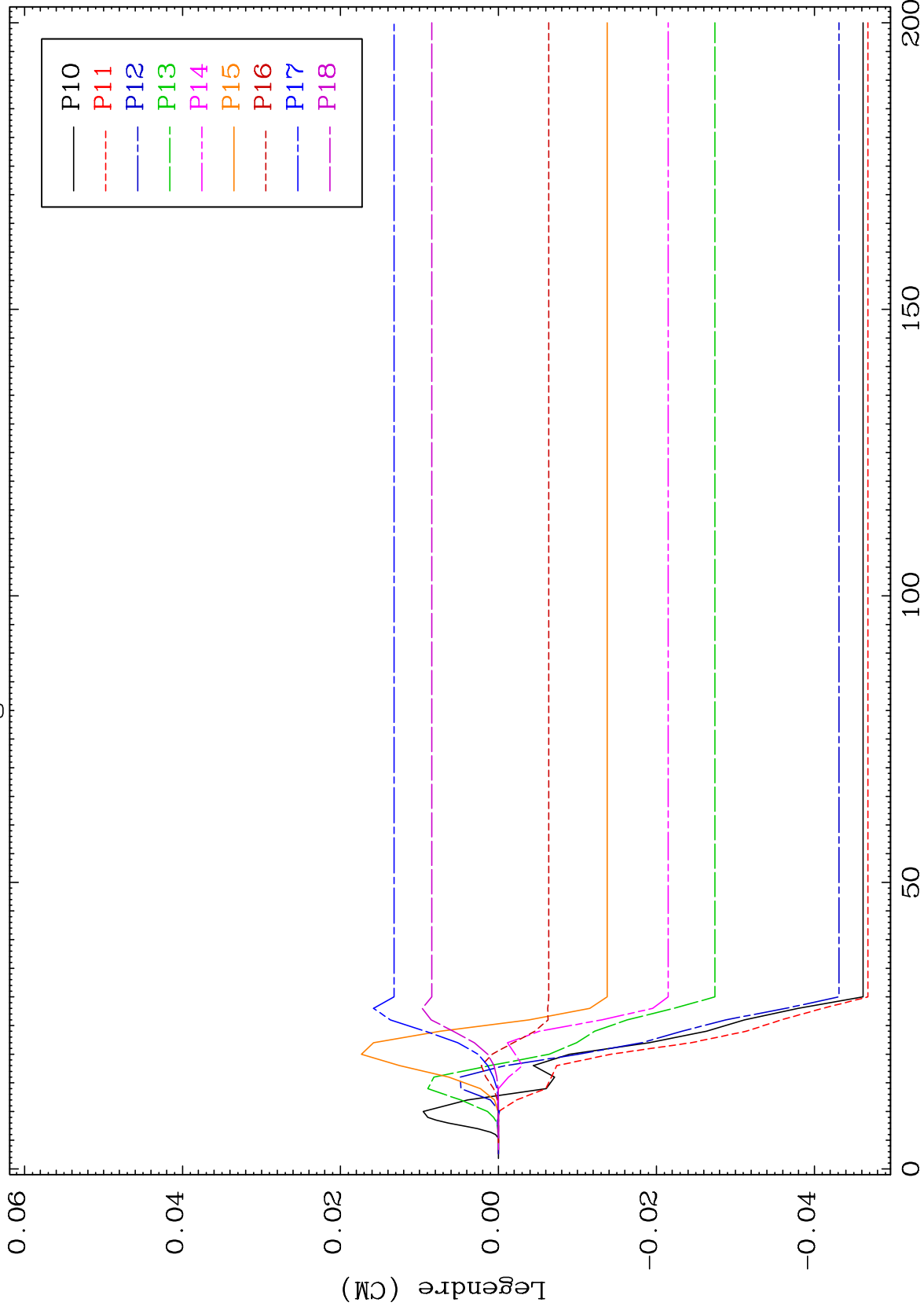




MAT 5919

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

59-Pr-139



62

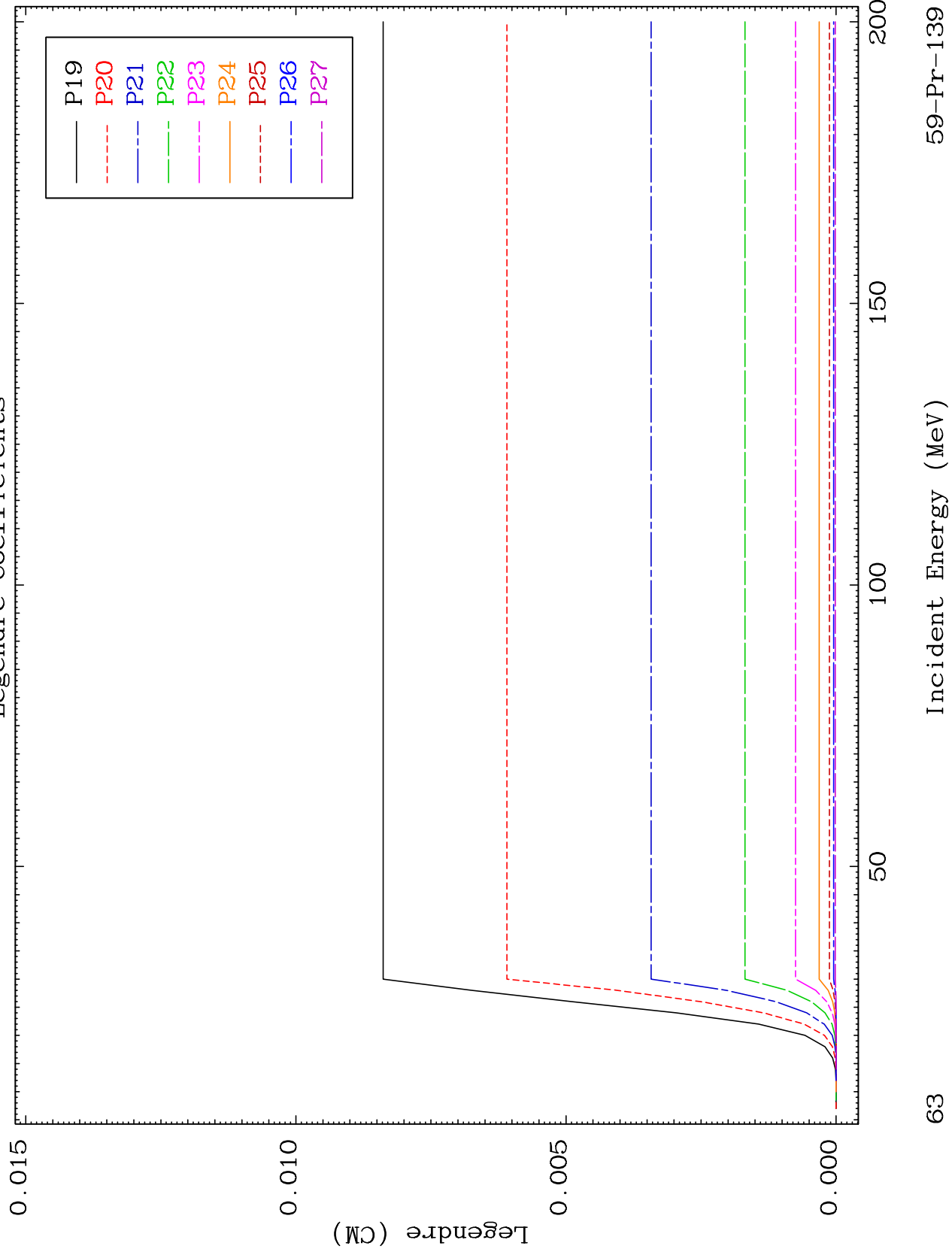
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



63

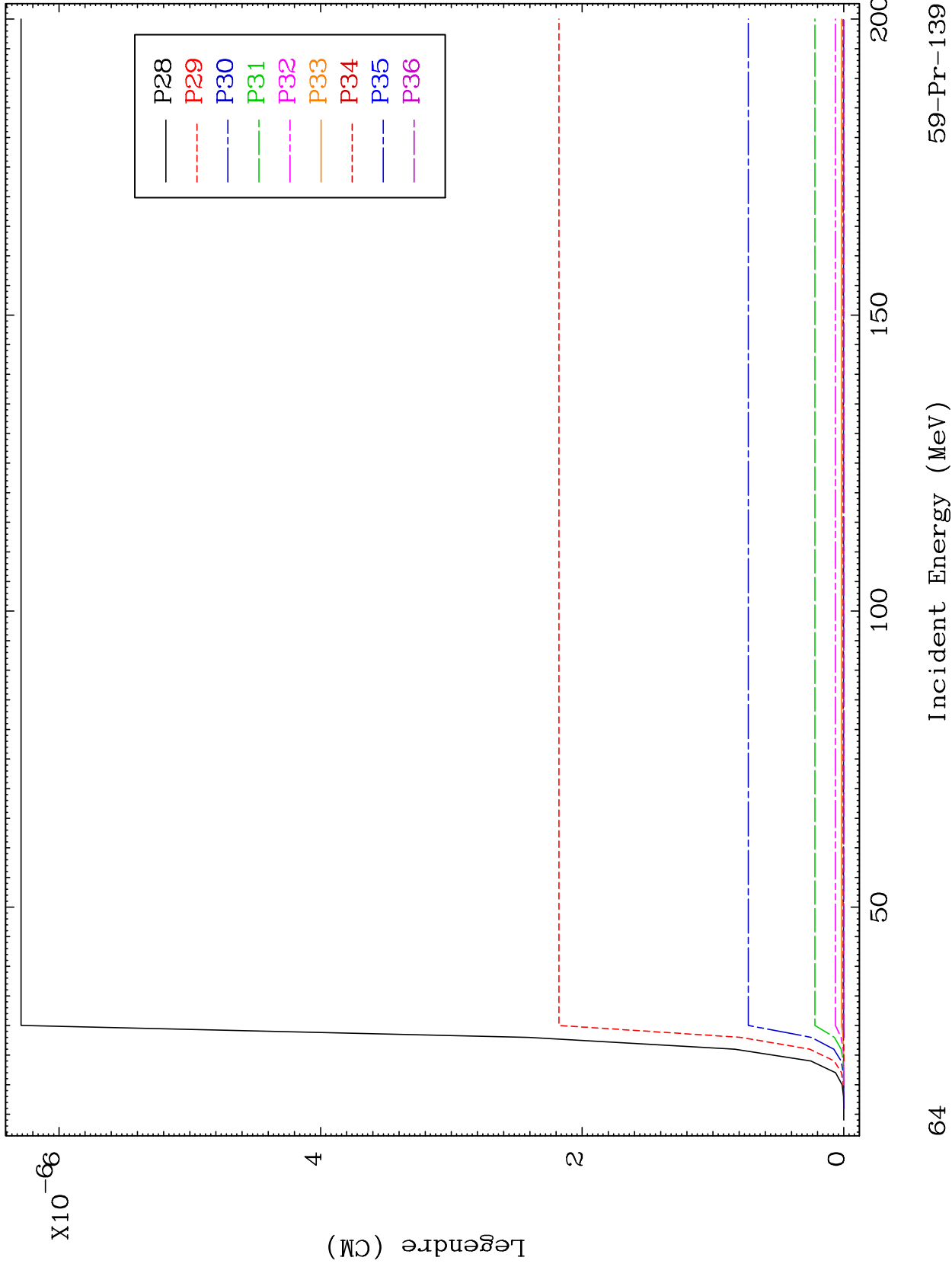
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

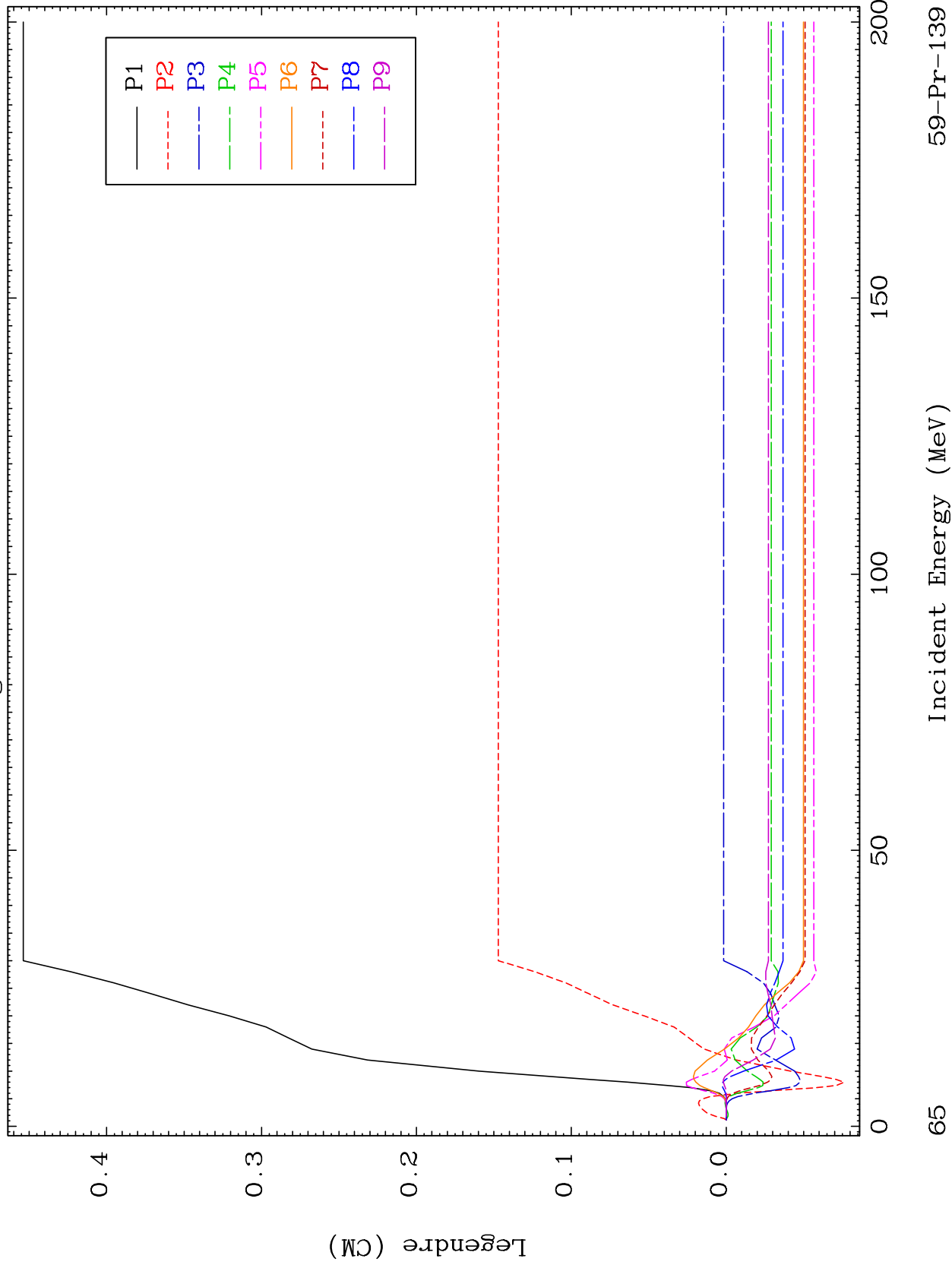
59-Pr-139



MAT 5919

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

59-Pr-139



59-Pr-139

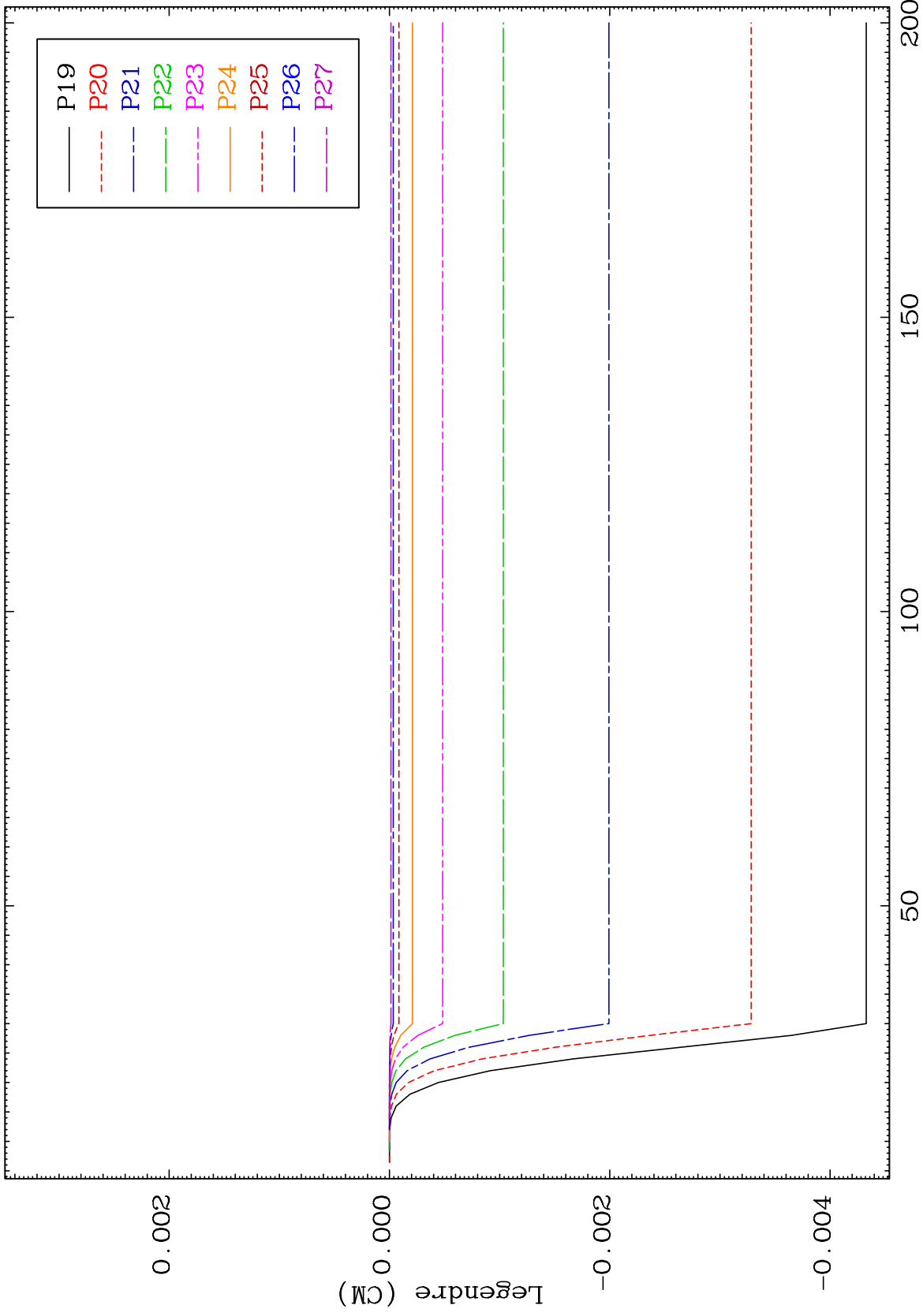
Incident Energy (MeV)

65

MAT 5919

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

59-Pr-139



67

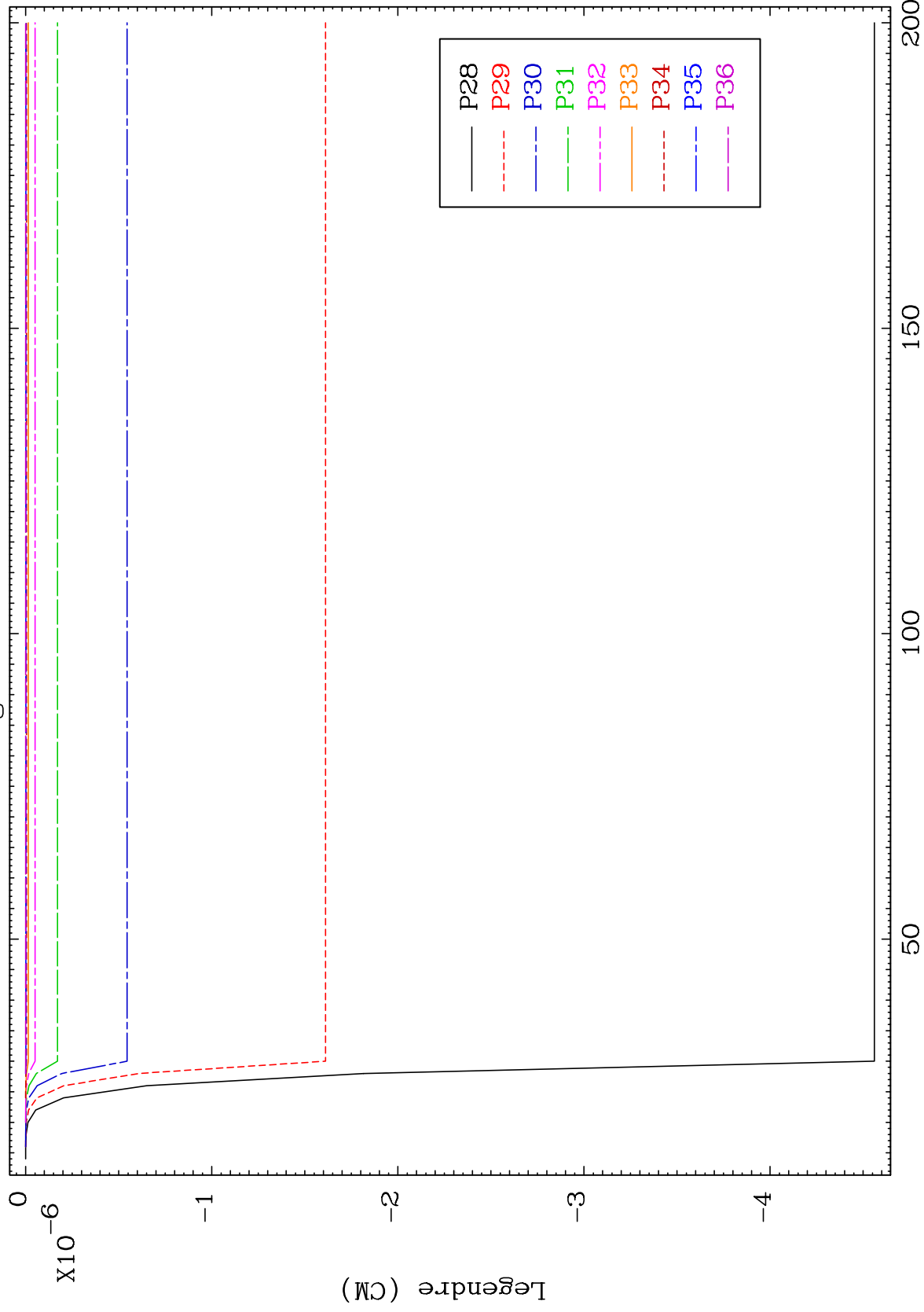
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



68

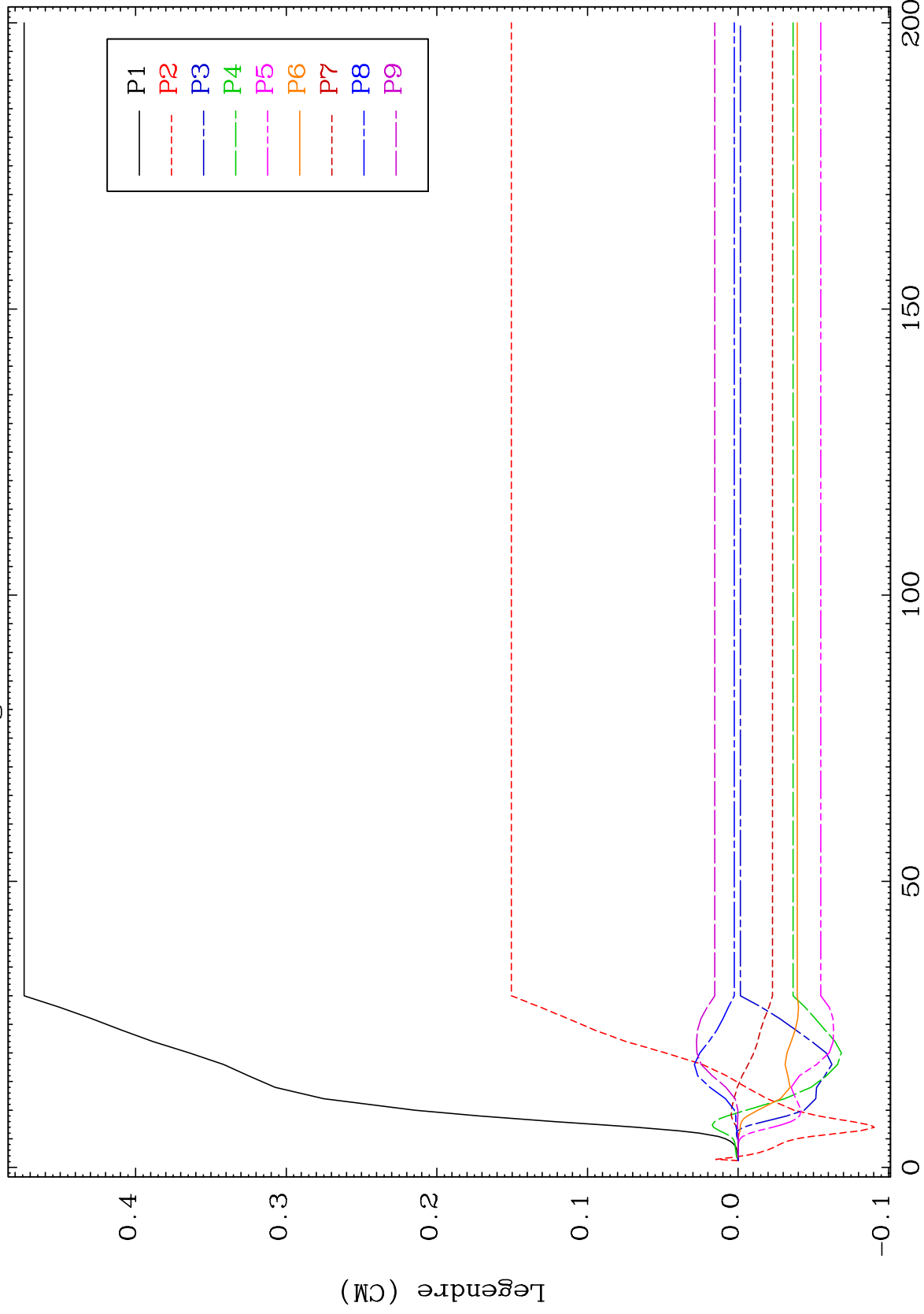
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



69

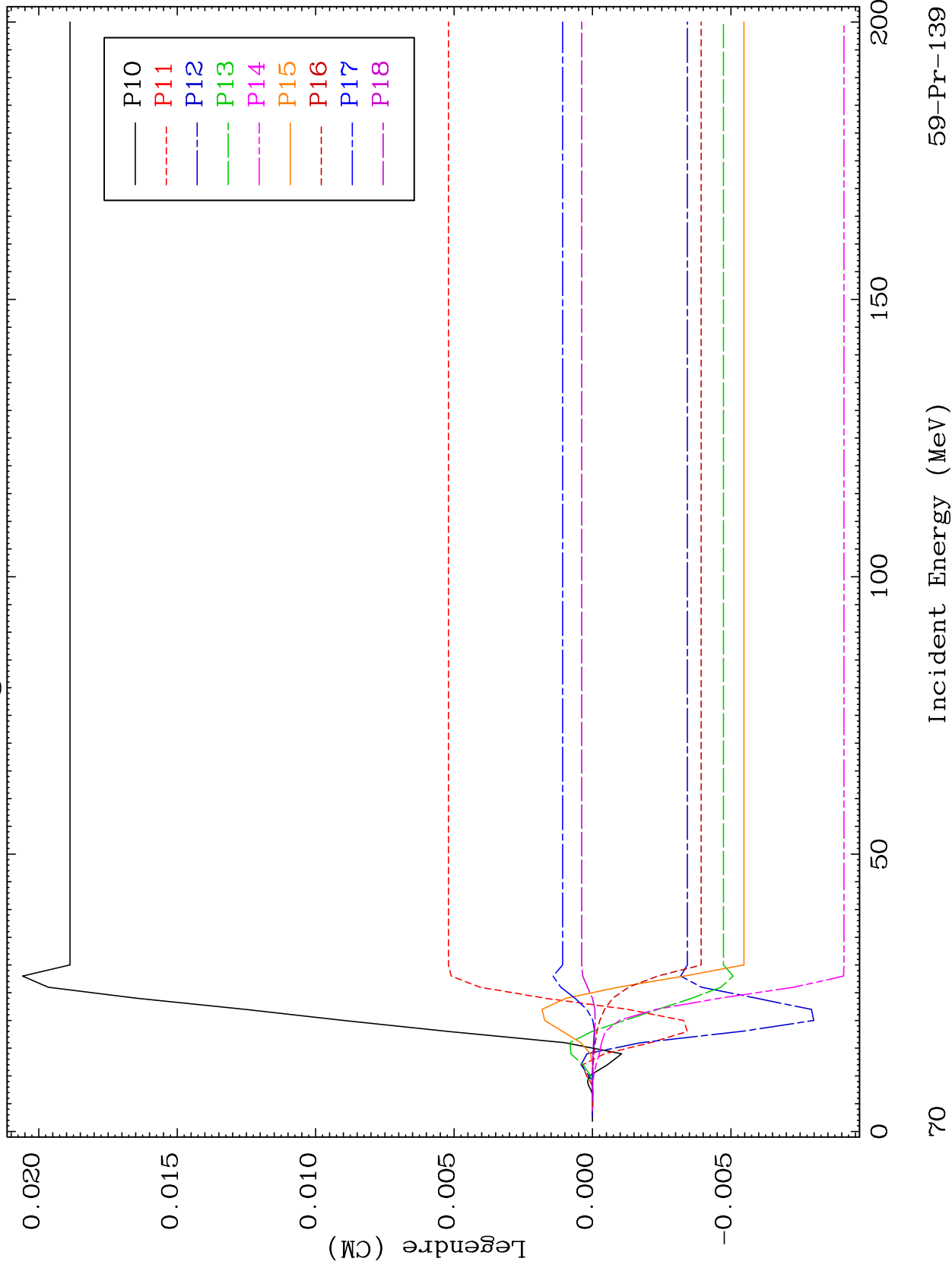
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

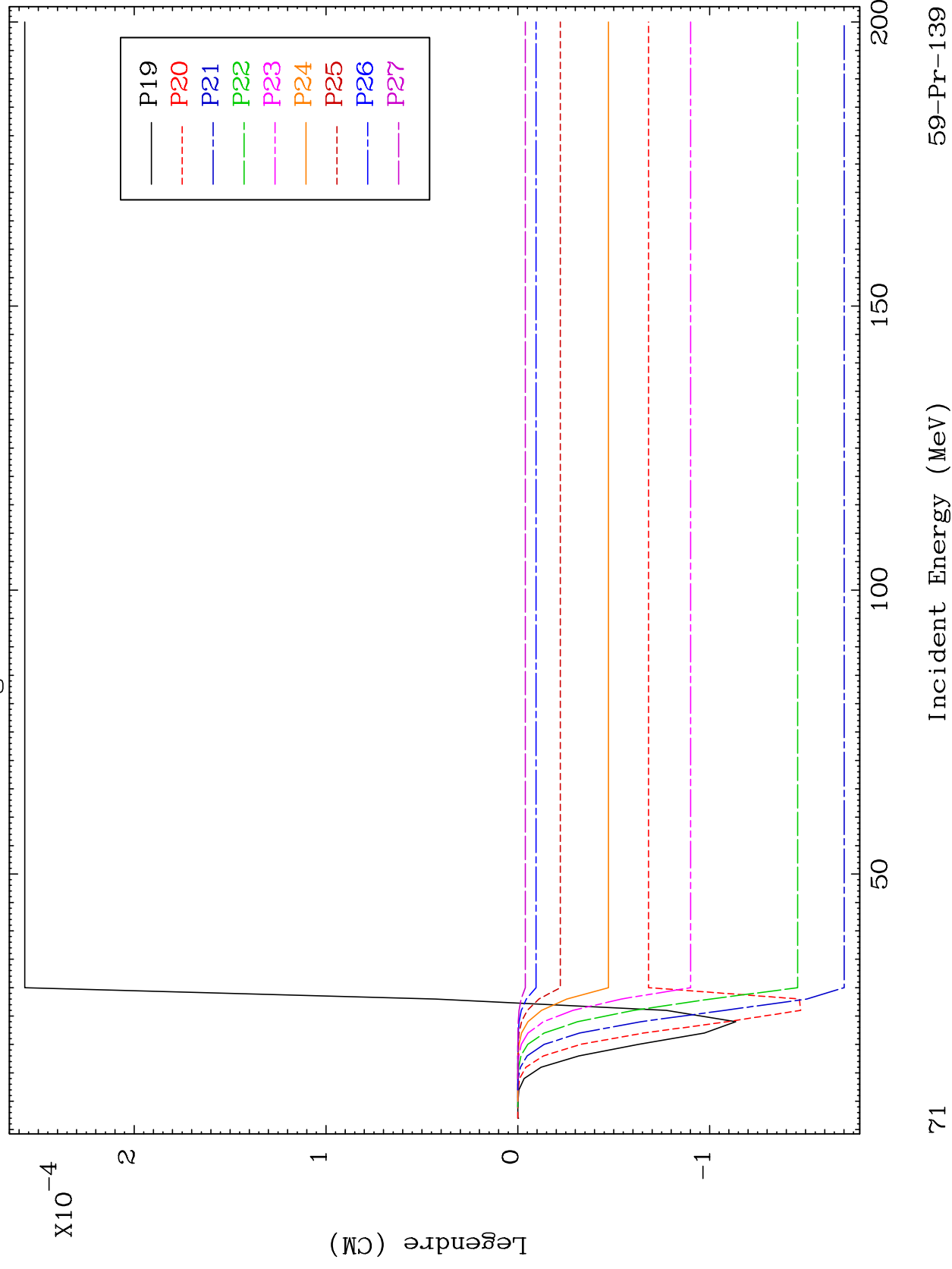
59-Pr-139



59-Pr-139

Incident Energy (MeV)

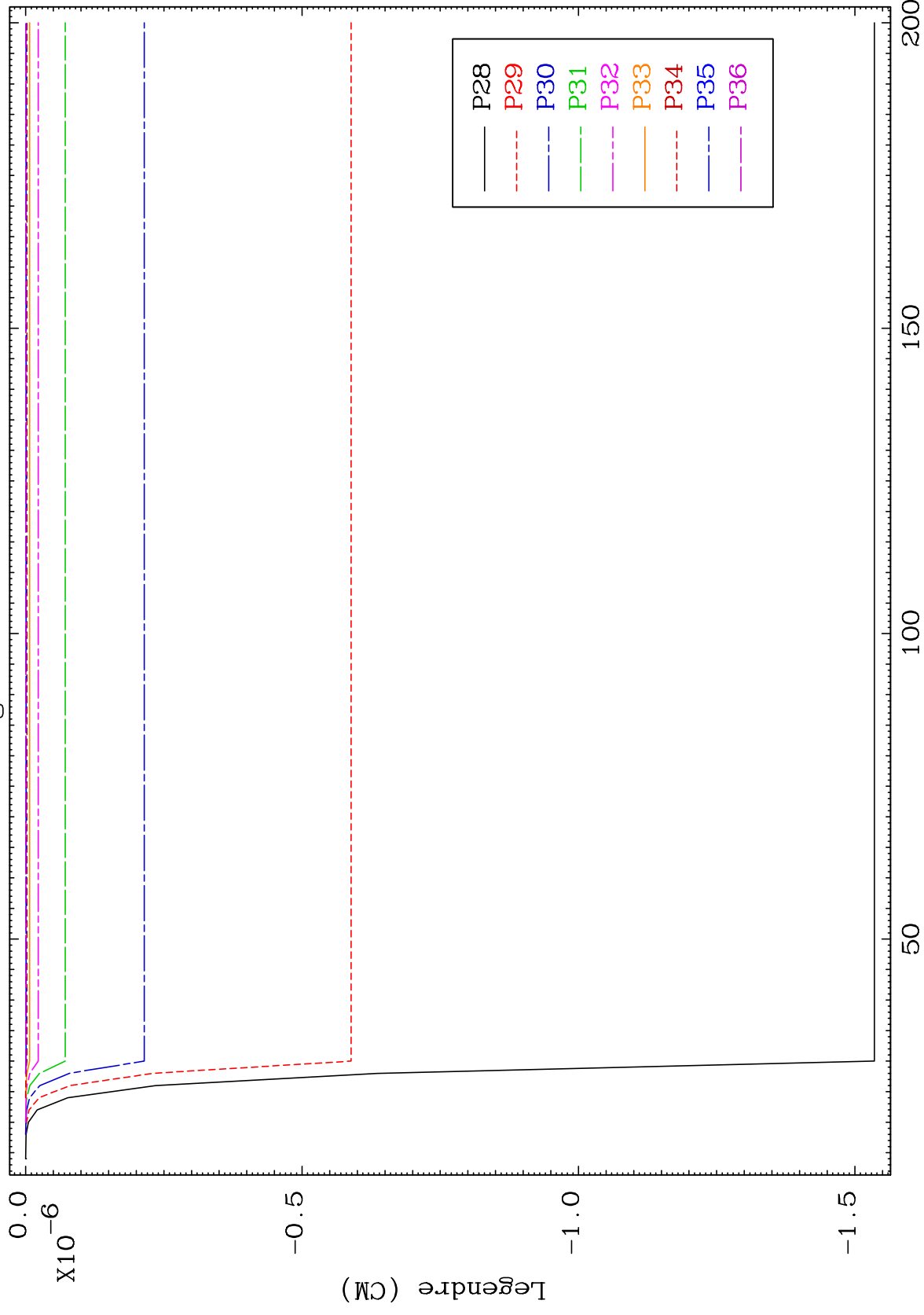
70



MAT 5919

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

59-Pr-139



72

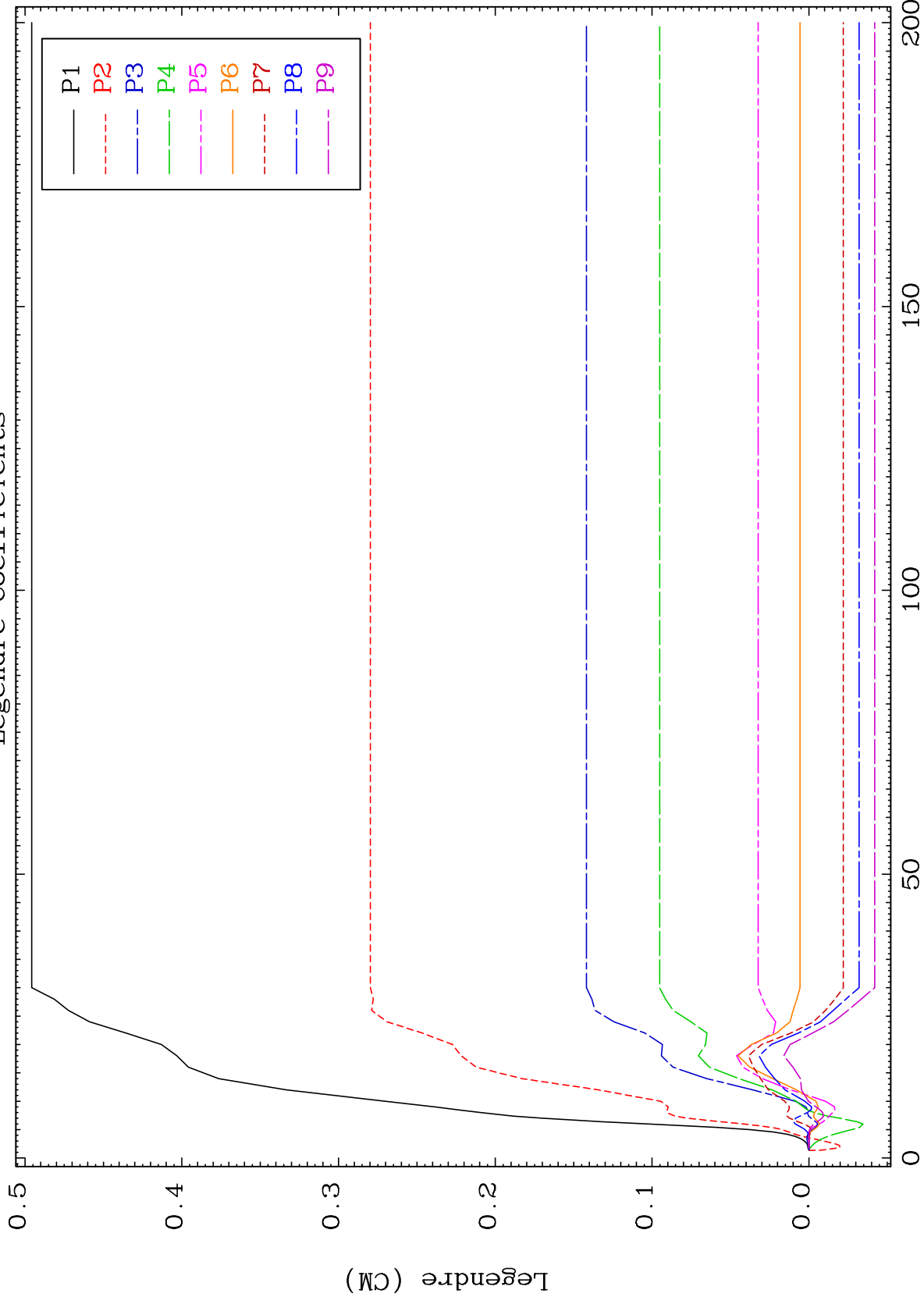
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



73

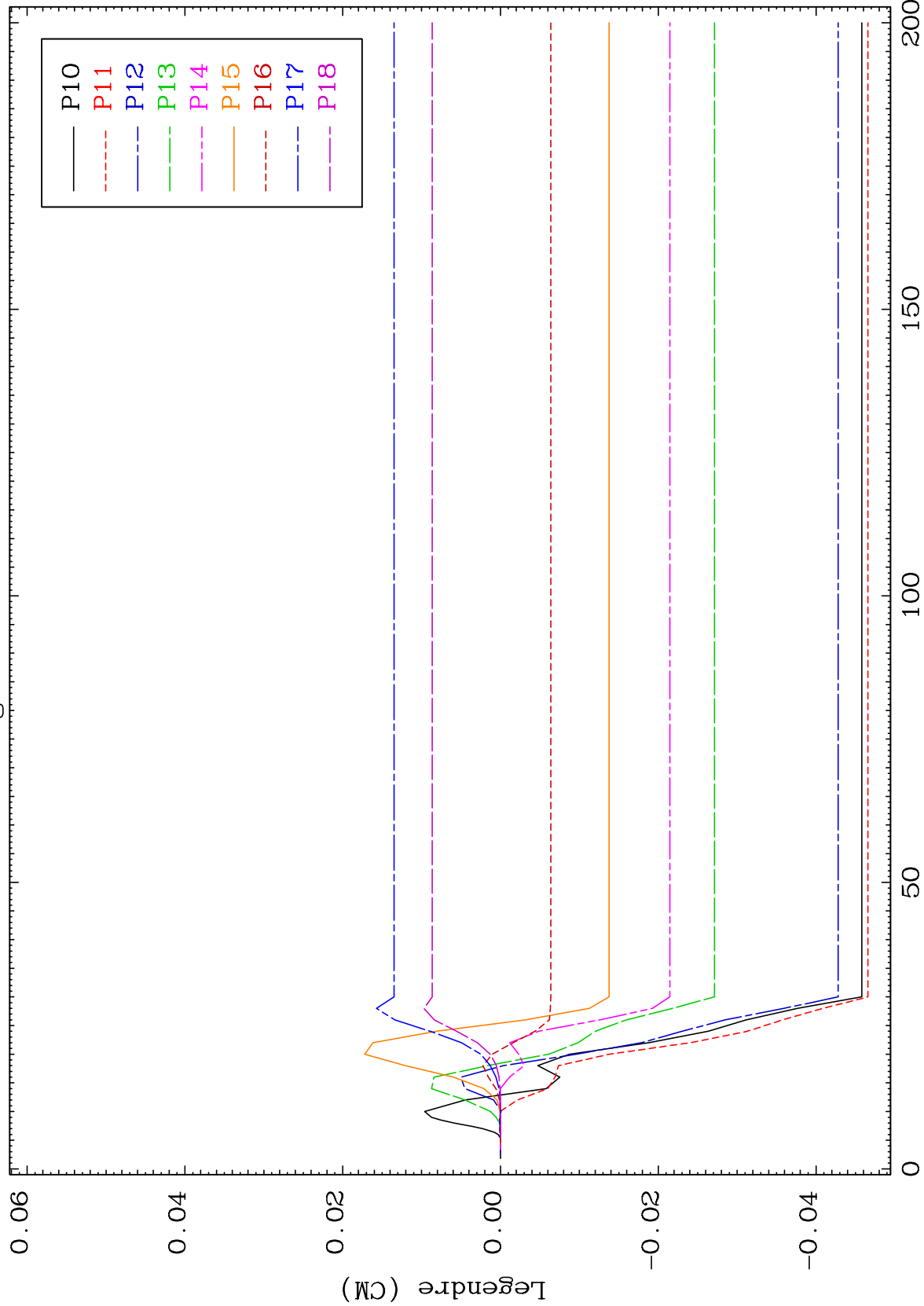
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



74

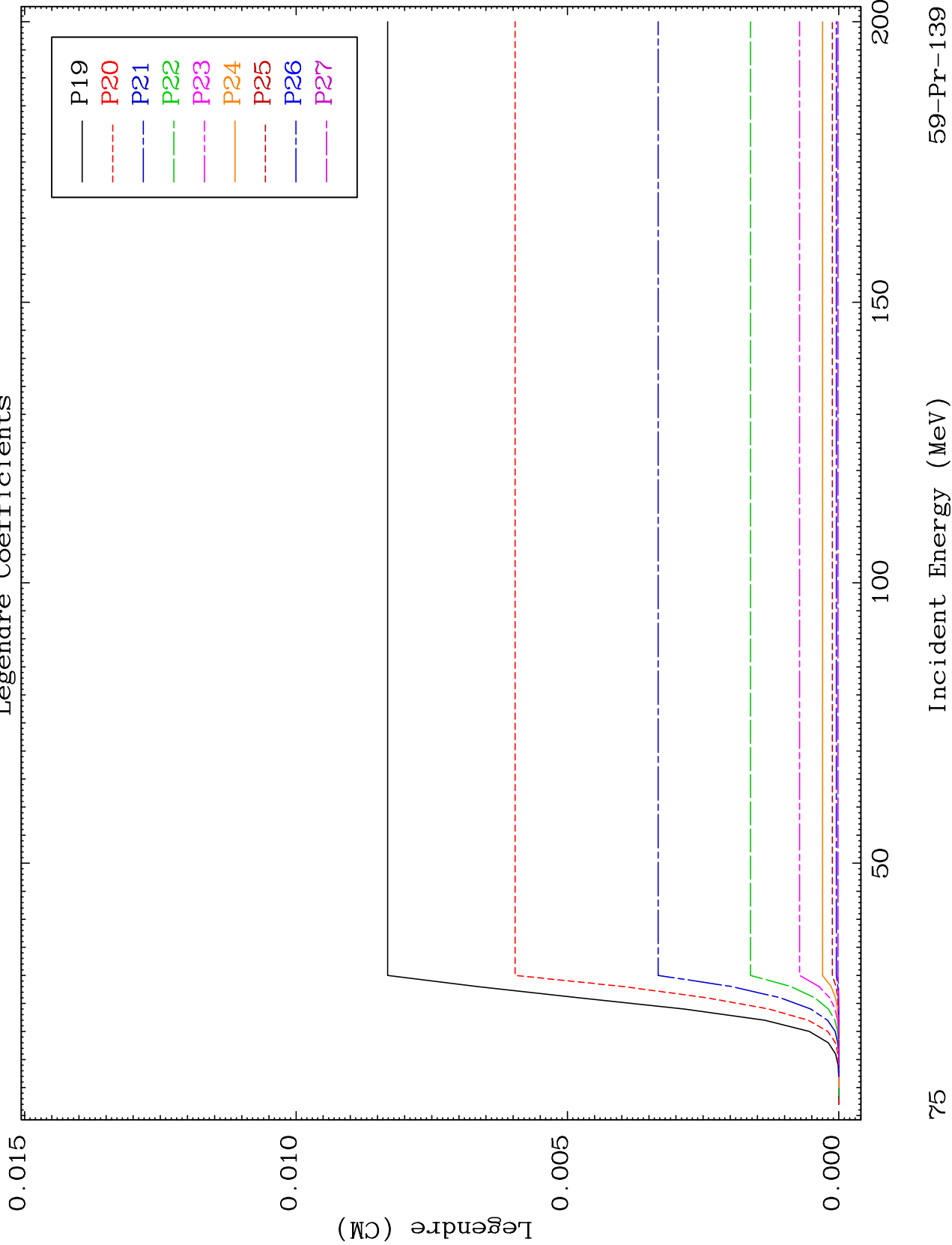
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



75

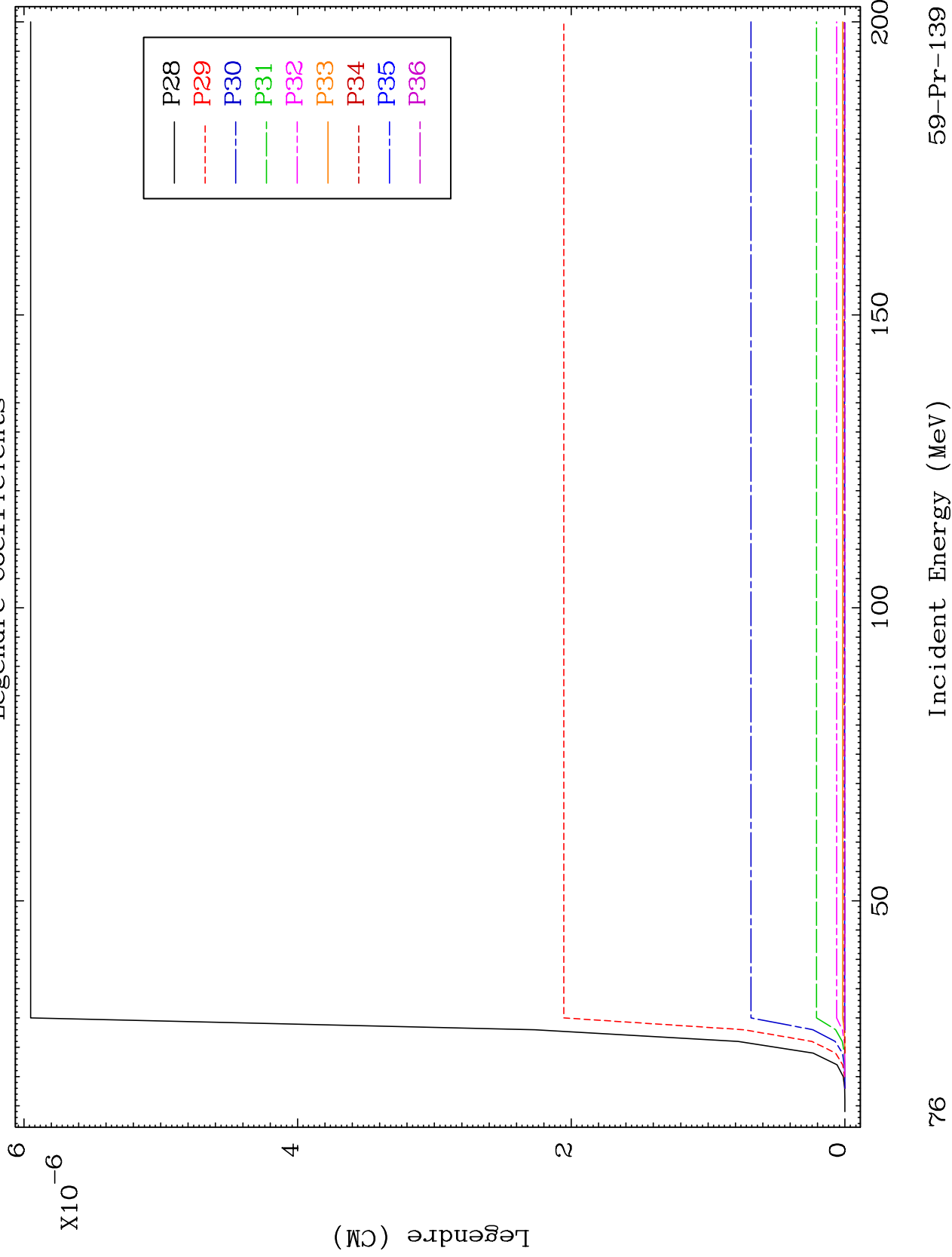
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



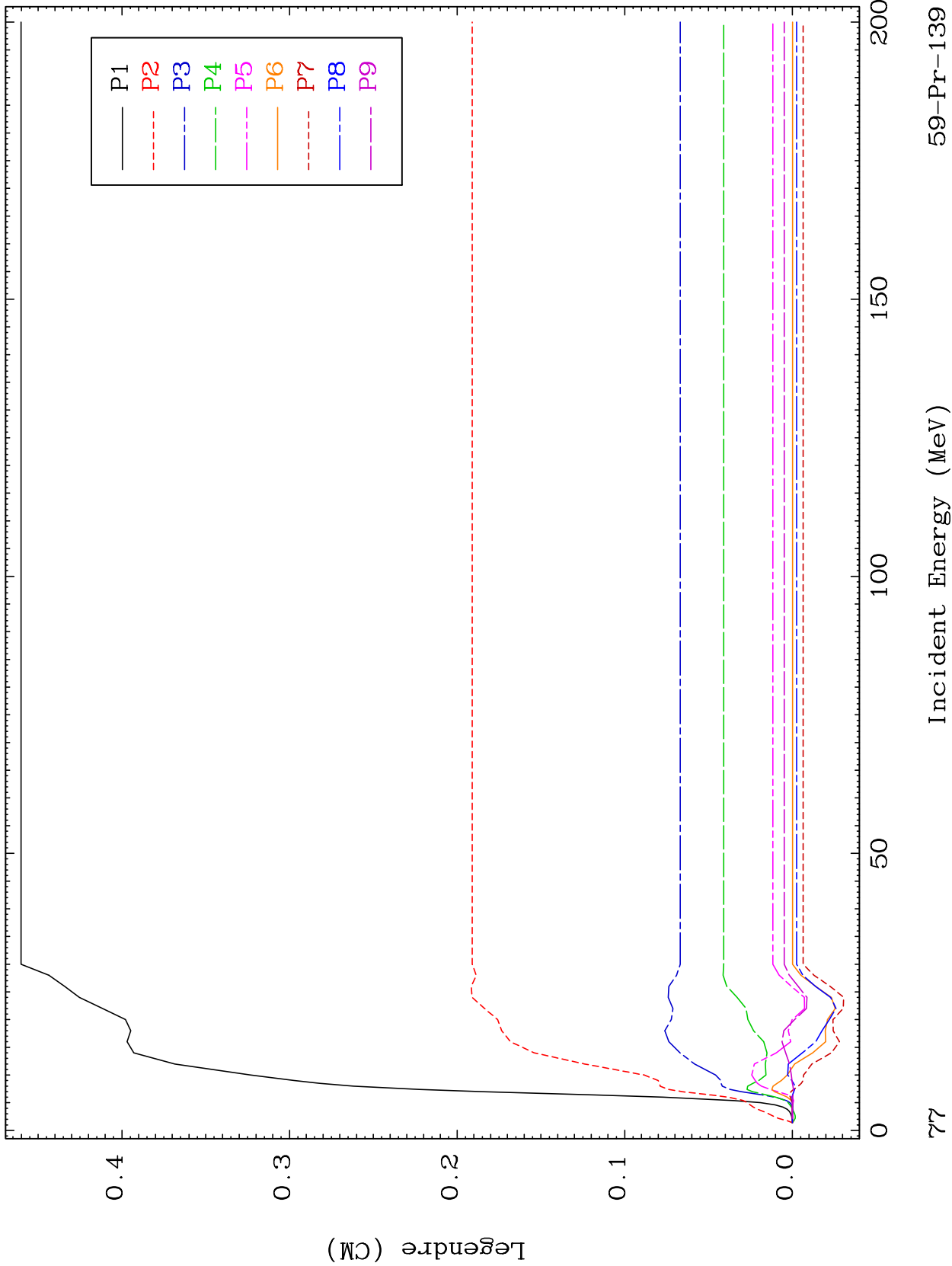
76

59-Pr-139

MAT 5919

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

59-Pr-139



77

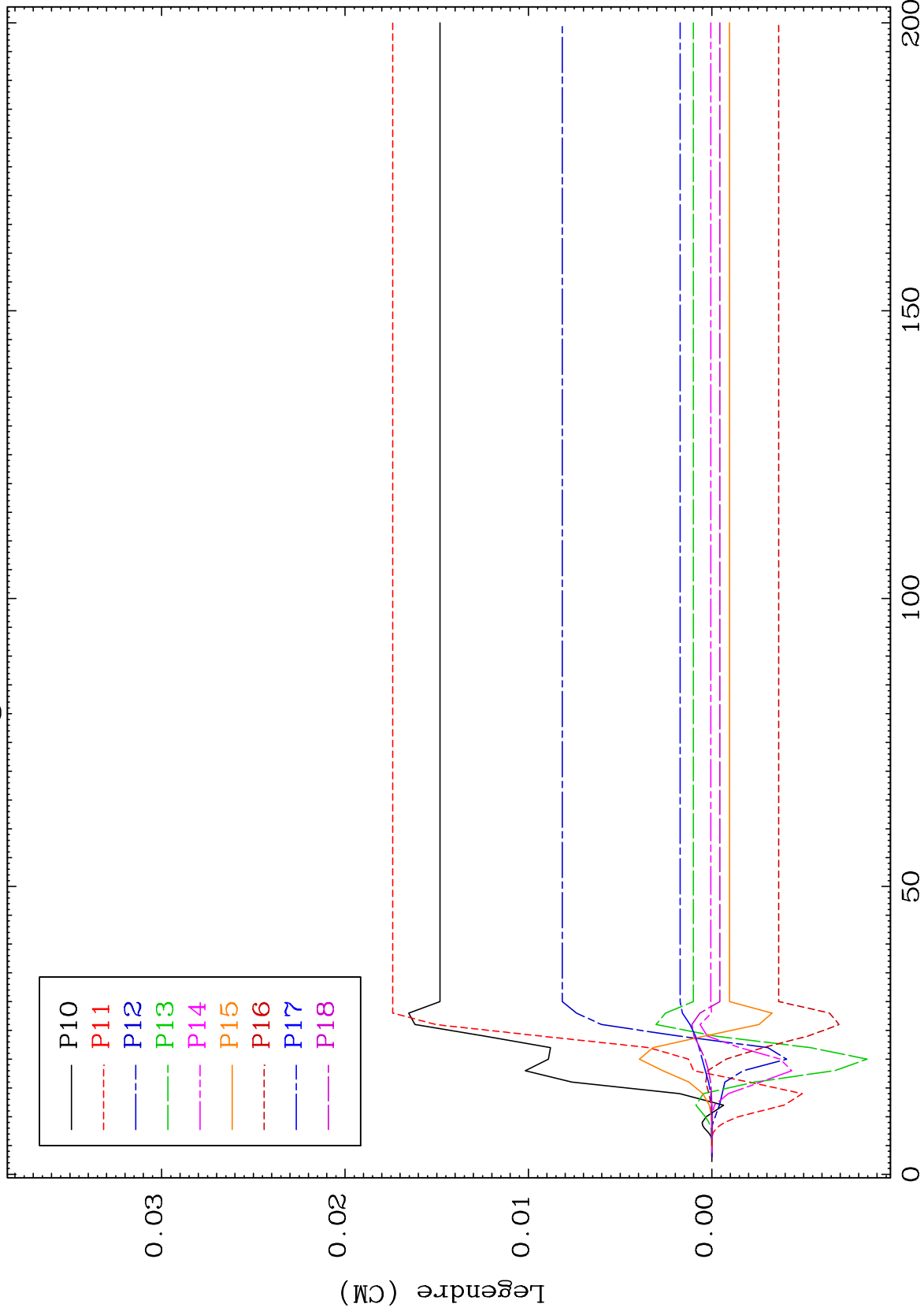
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

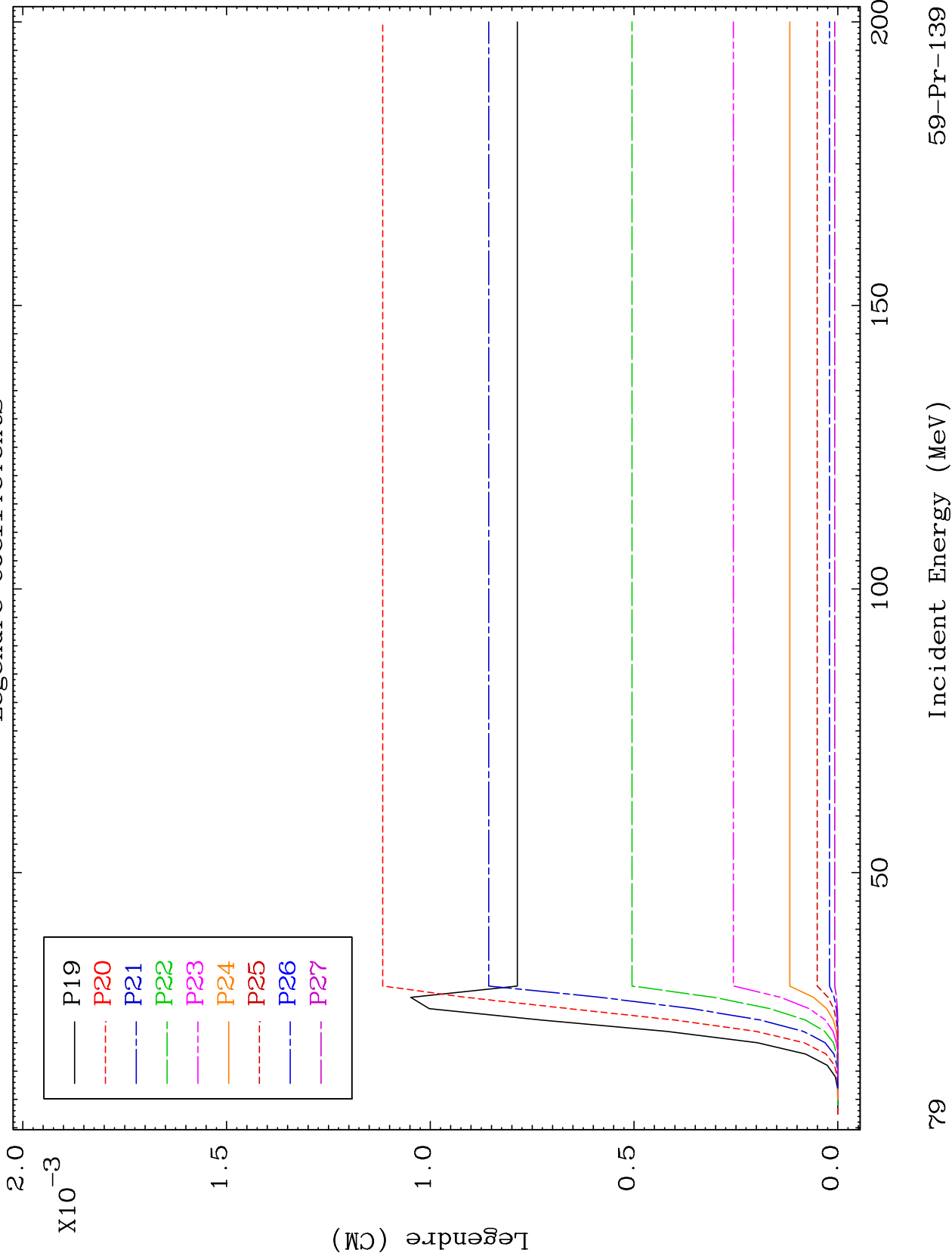
59-Pr-139



78

Incident Energy (MeV)

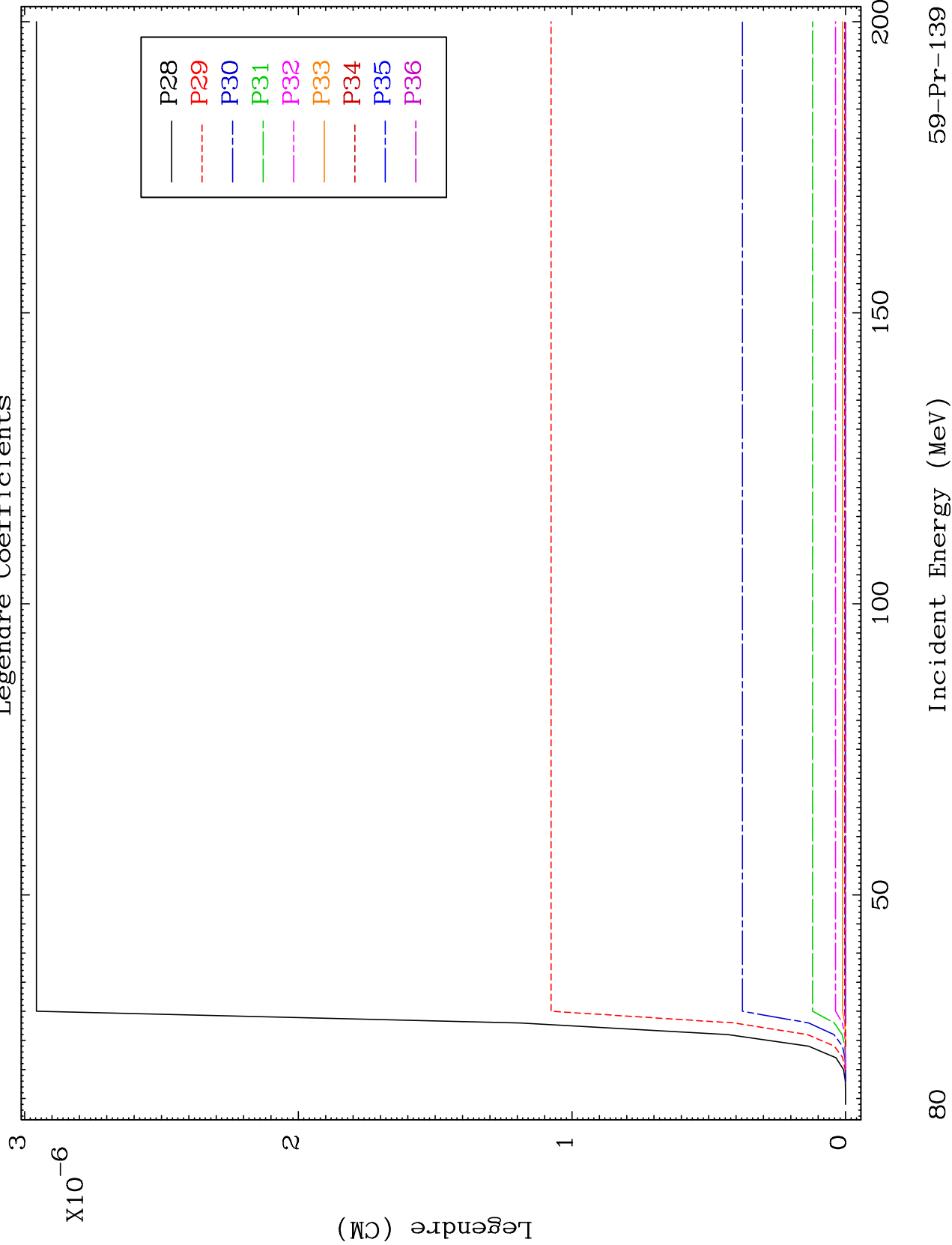
59-Pr-139



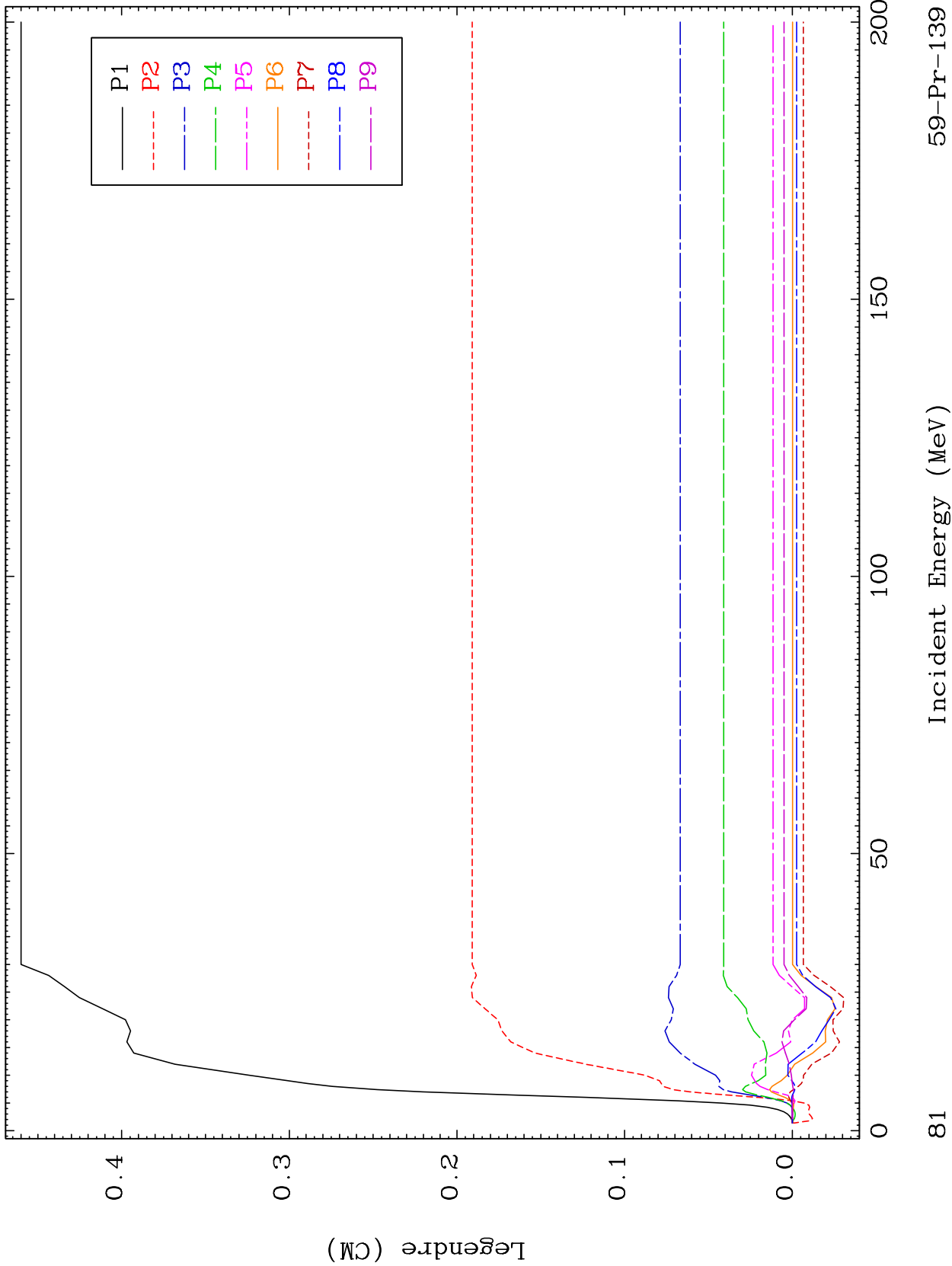
MAT 5919

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

59-Pr-139



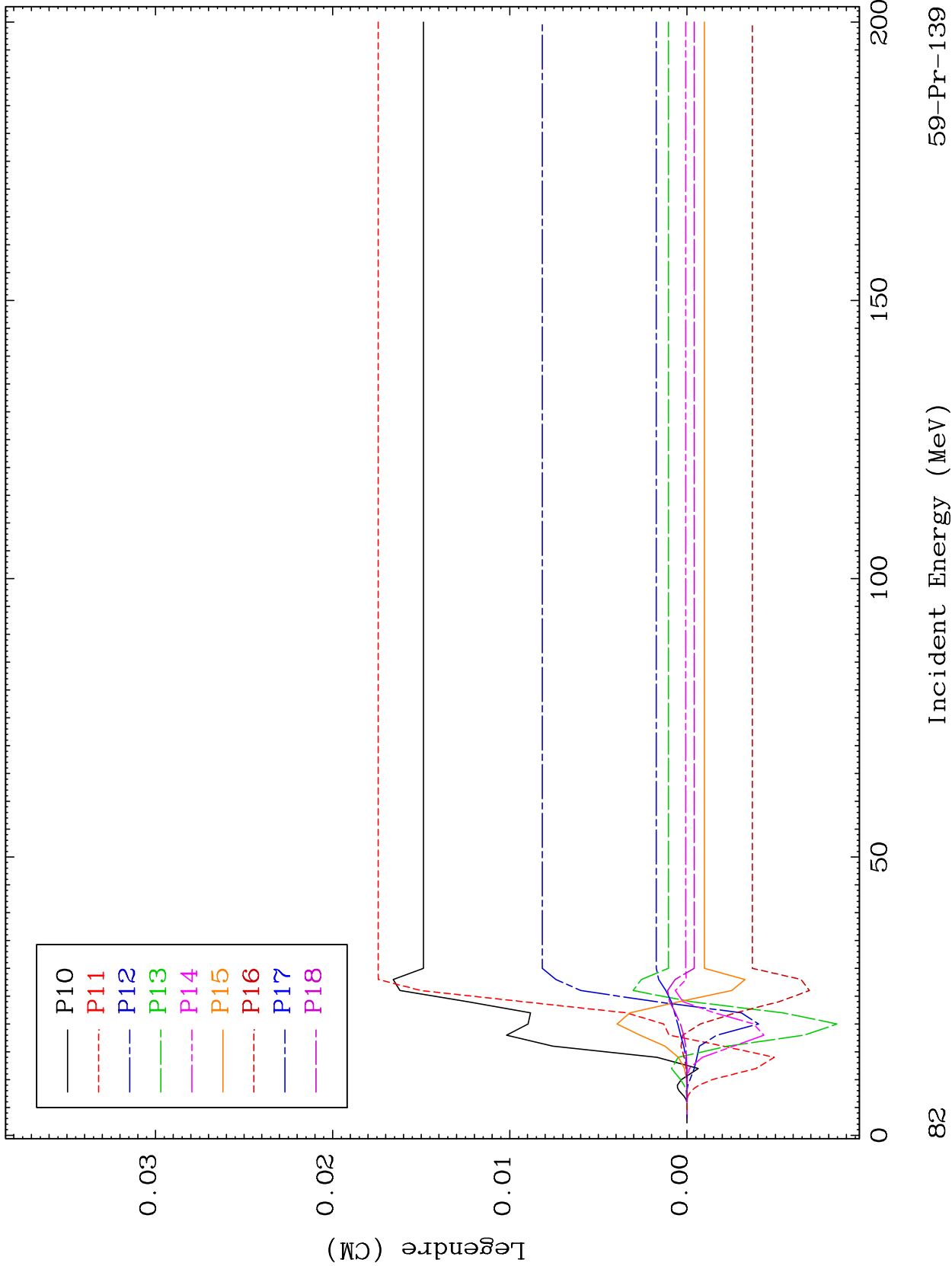
59-Pr-139



MAT 5919

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

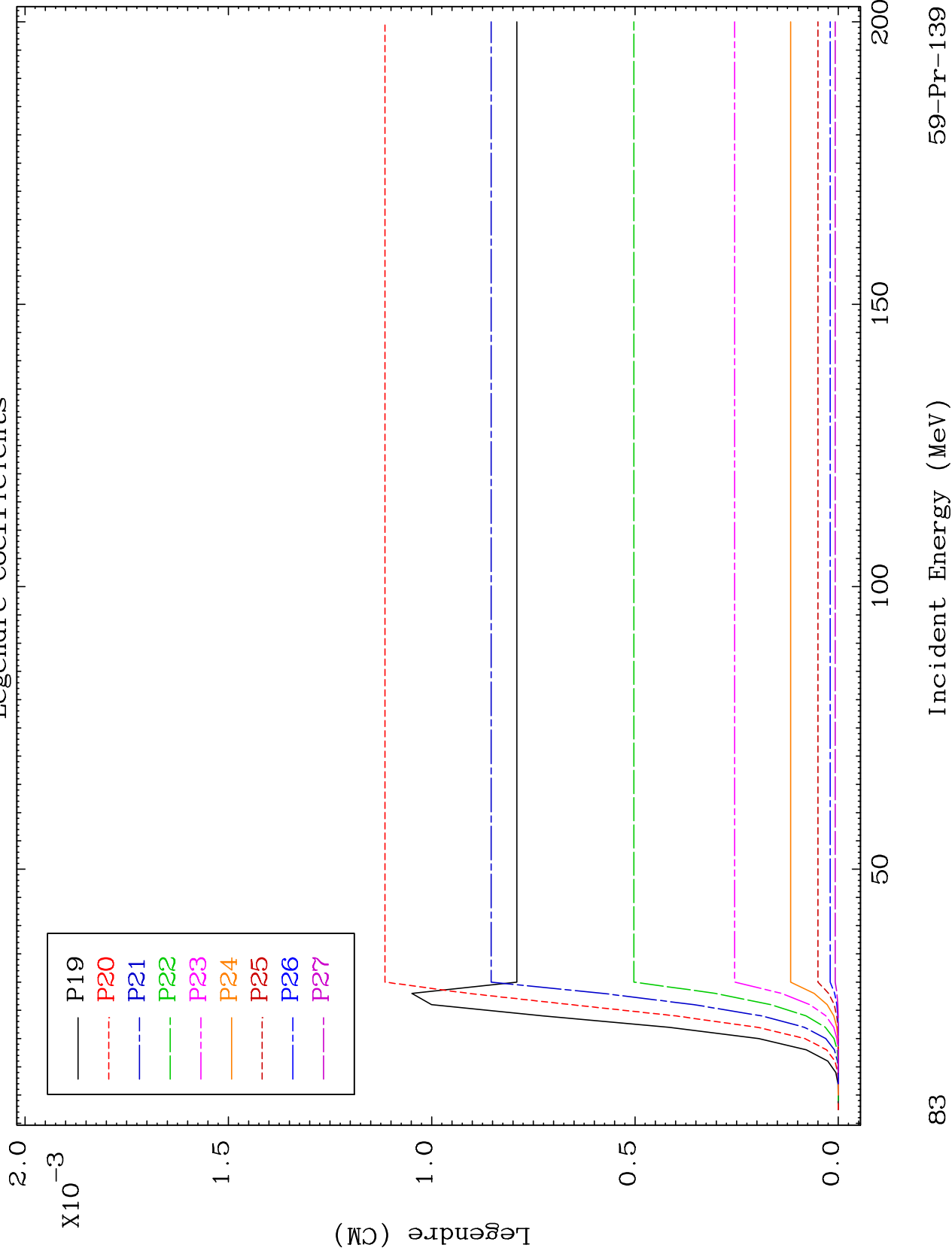
59-Pr-139

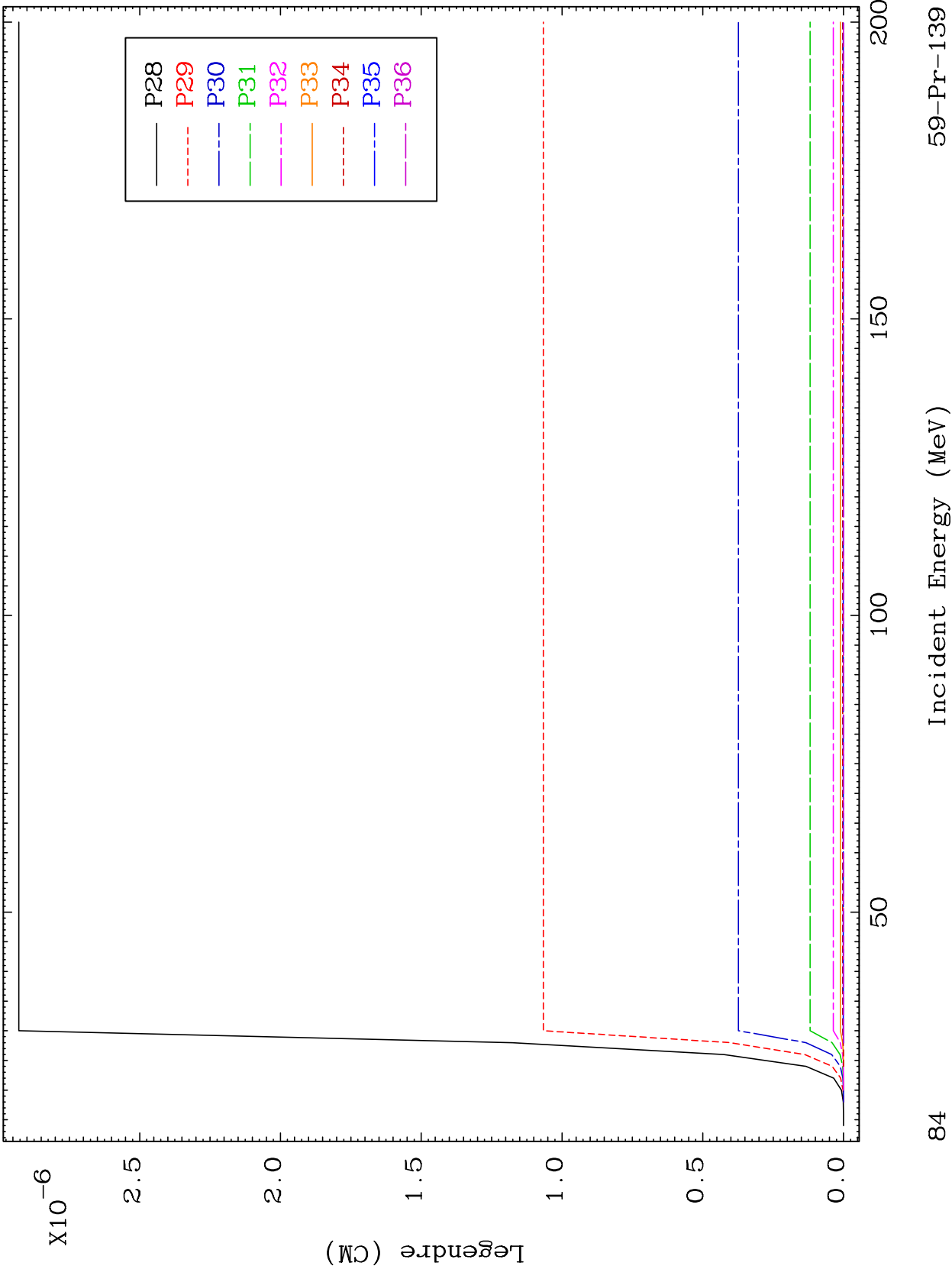


82

Incident Energy (MeV)

59-Pr-139

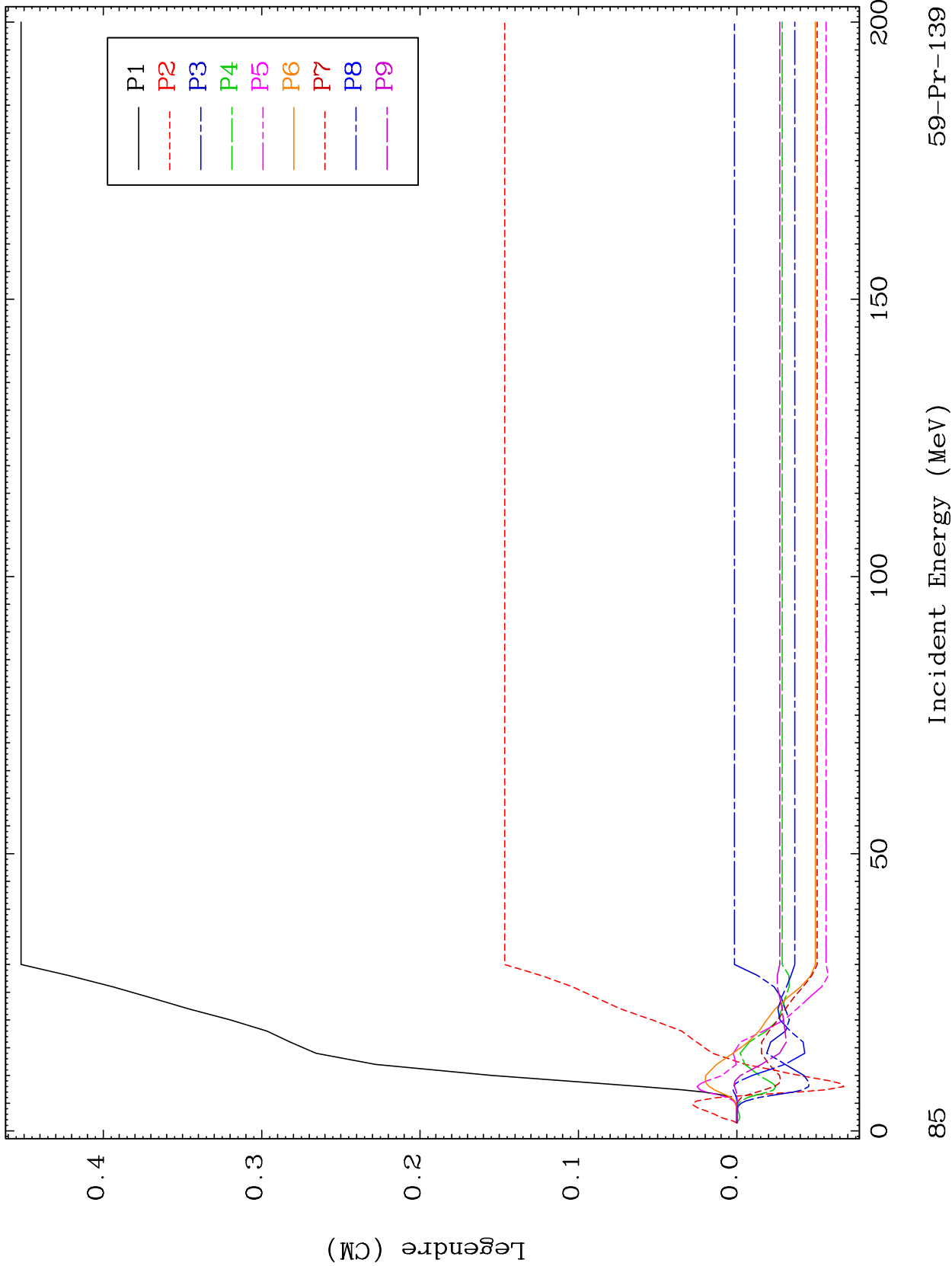




MAT 5919

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

59-Pr-139



59-Pr-139

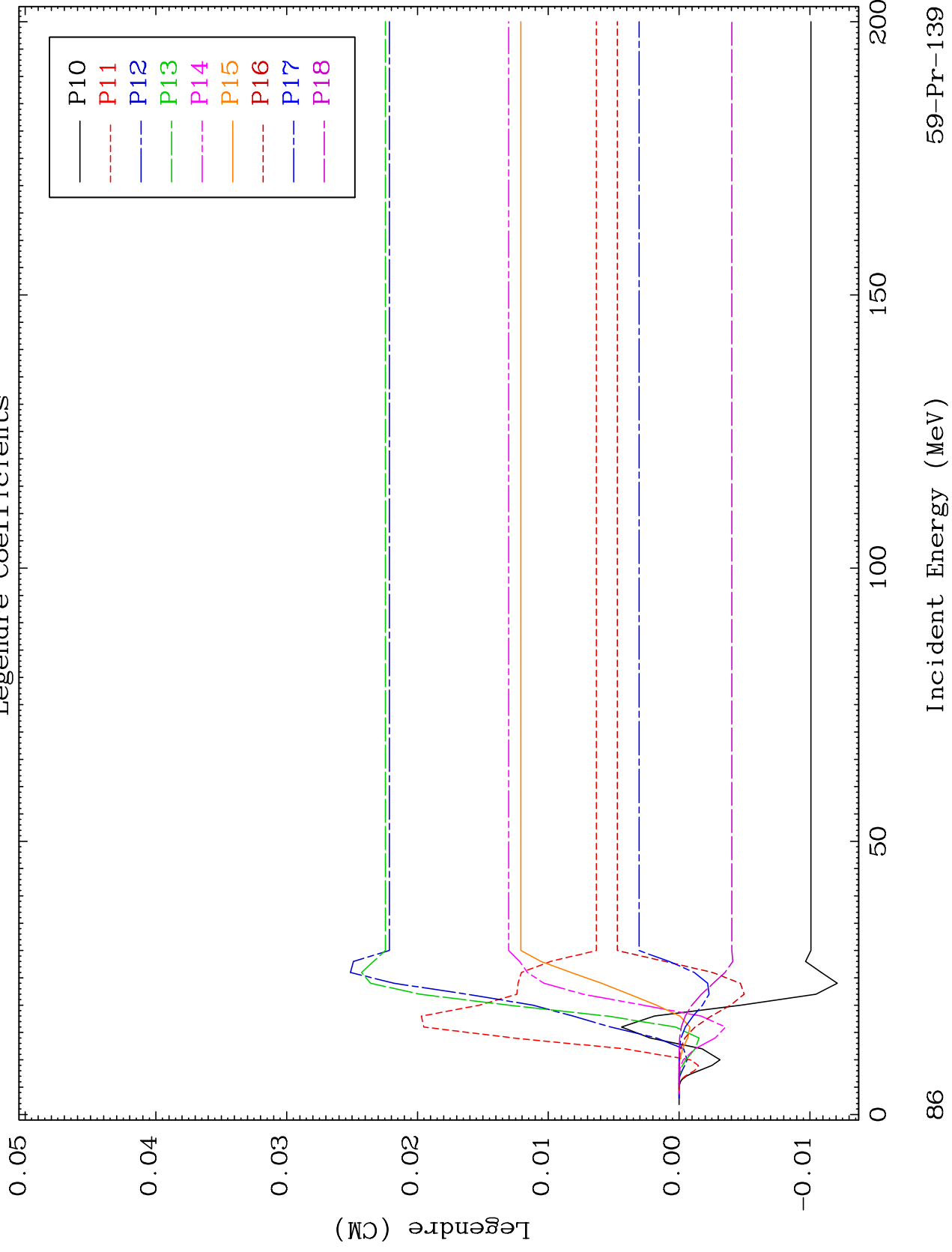
Incident Energy (MeV)

85

MAT 5919

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

59-Pr-139



86

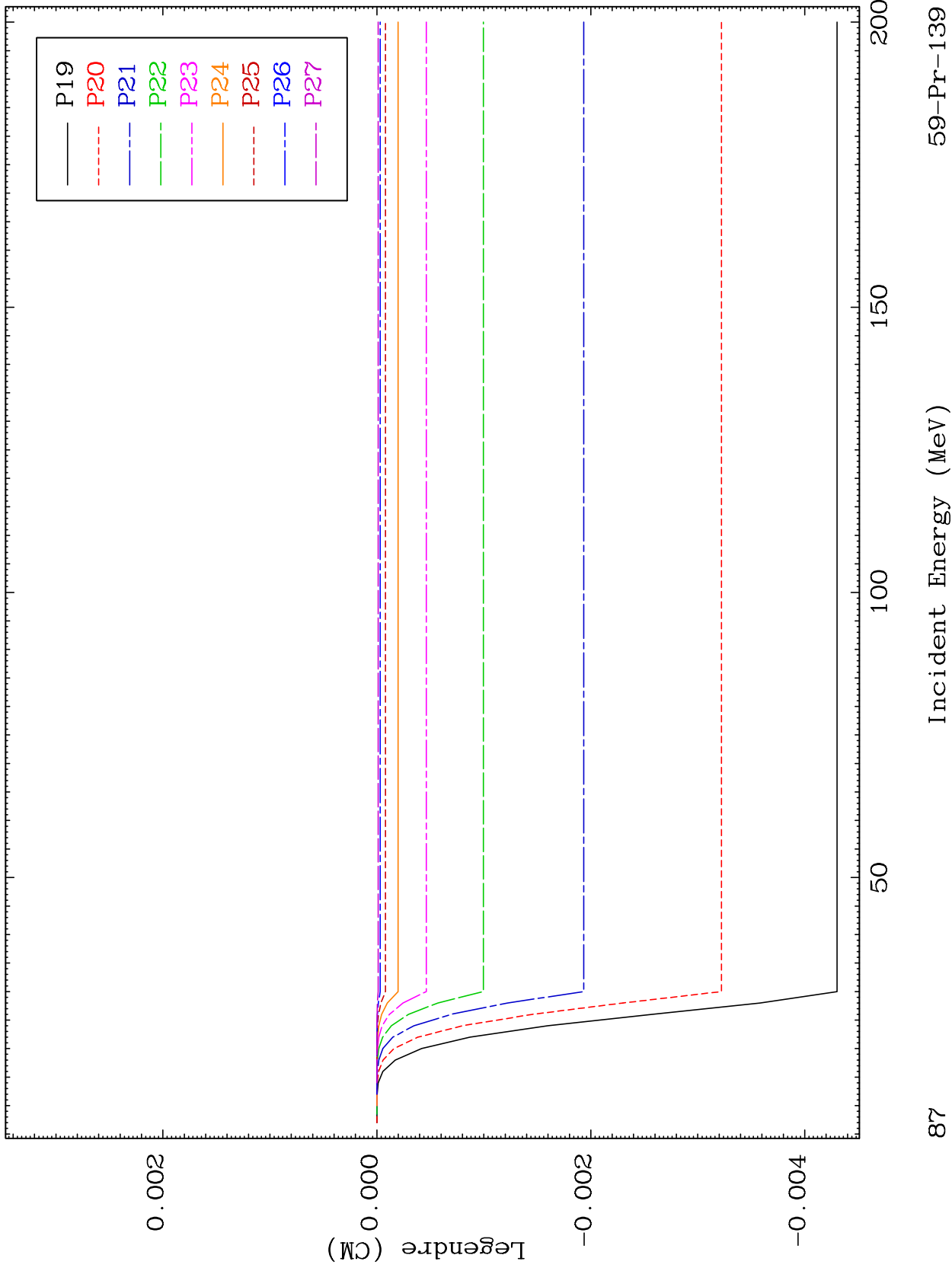
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



87

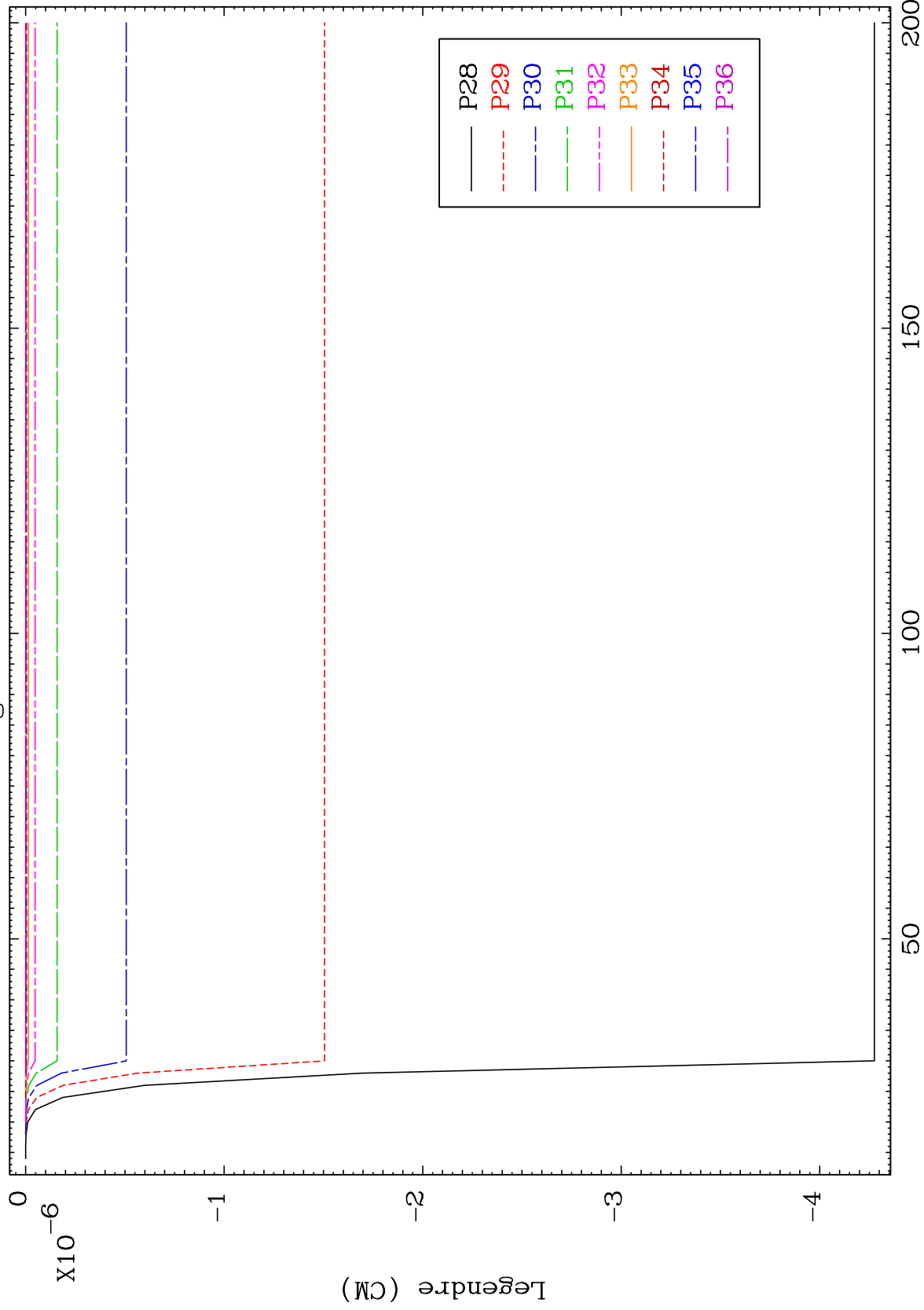
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



88

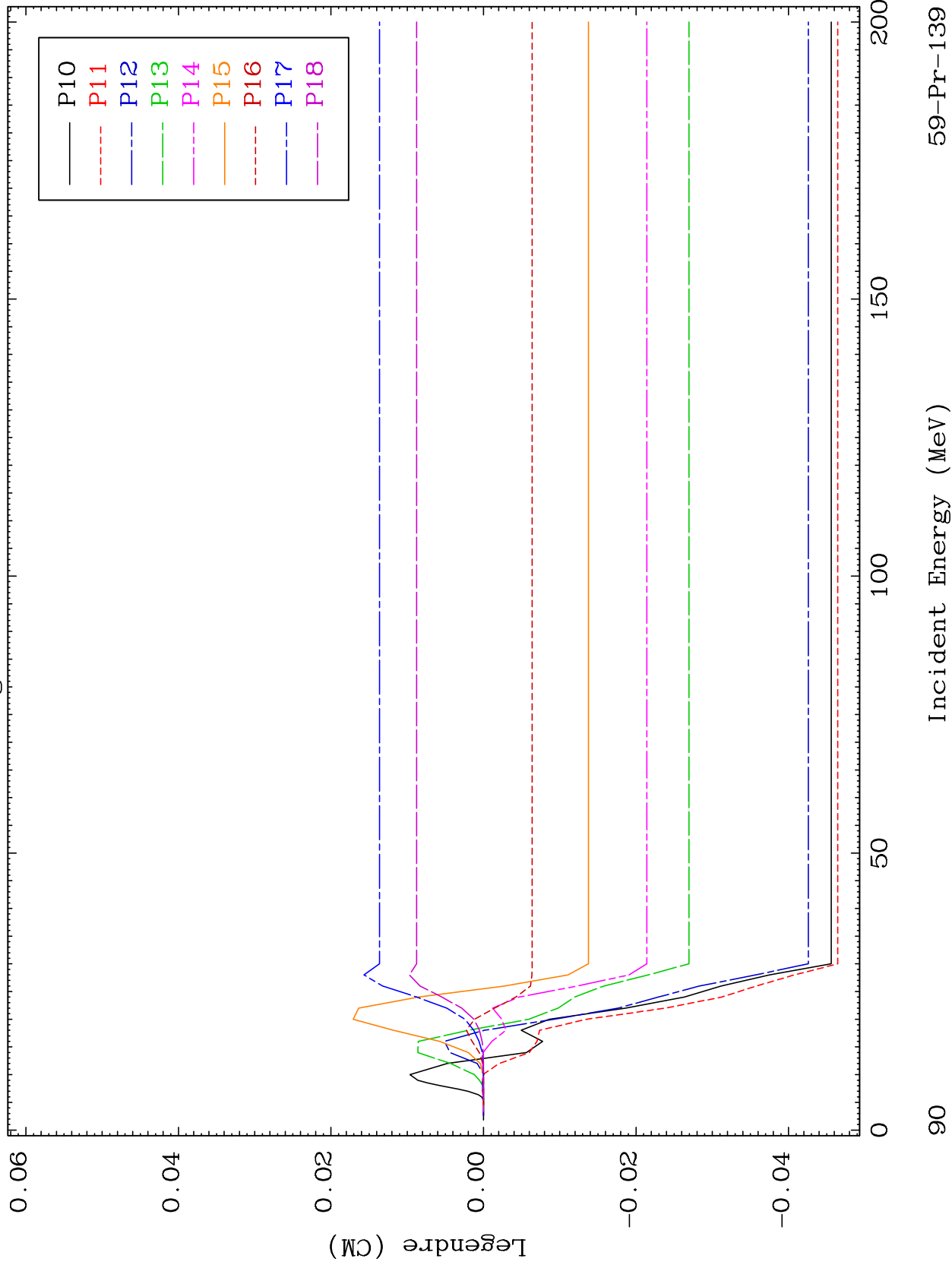
Incident Energy (MeV)

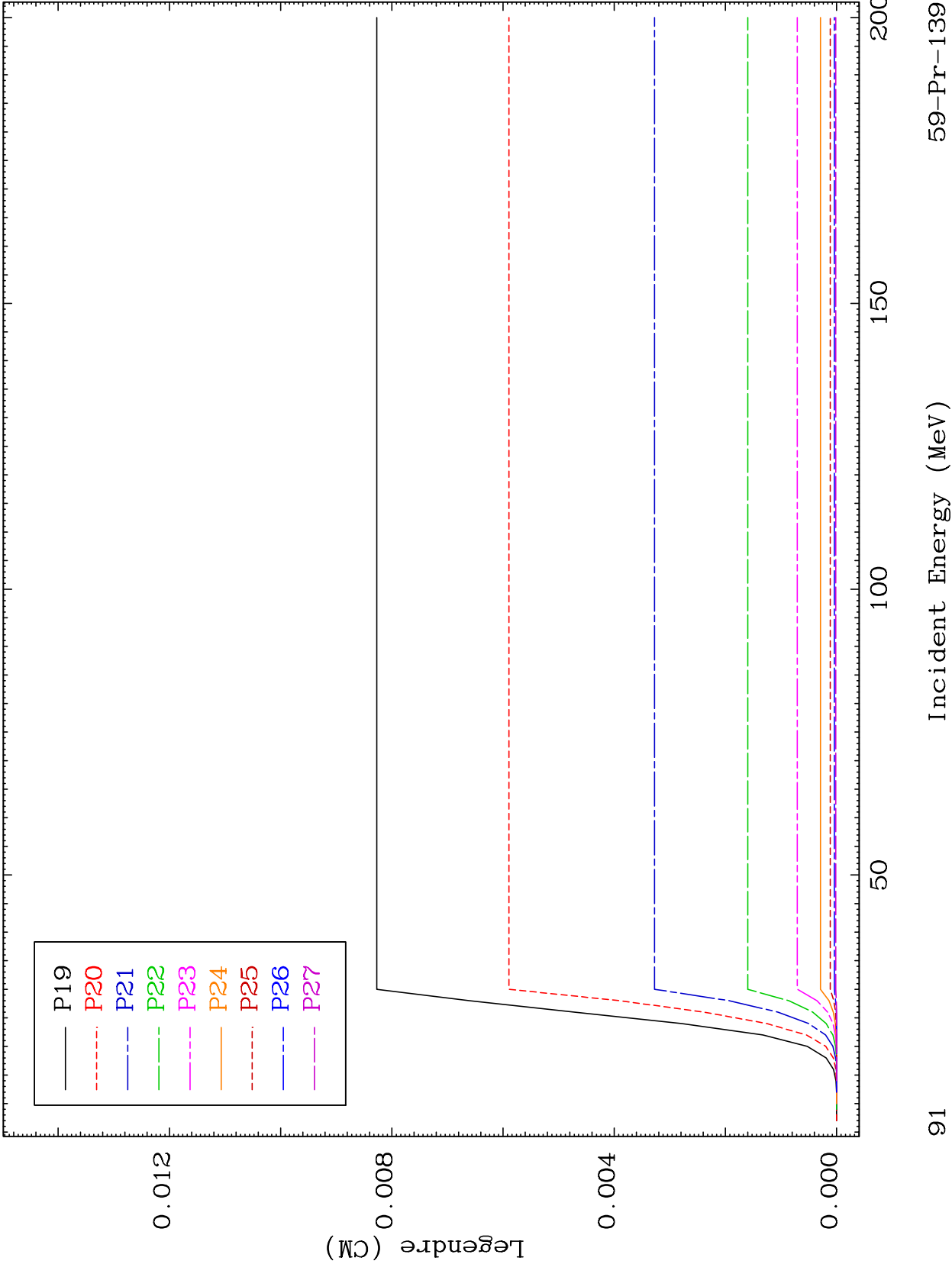
59-Pr-139

MAT 5919

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

59-Pr-139

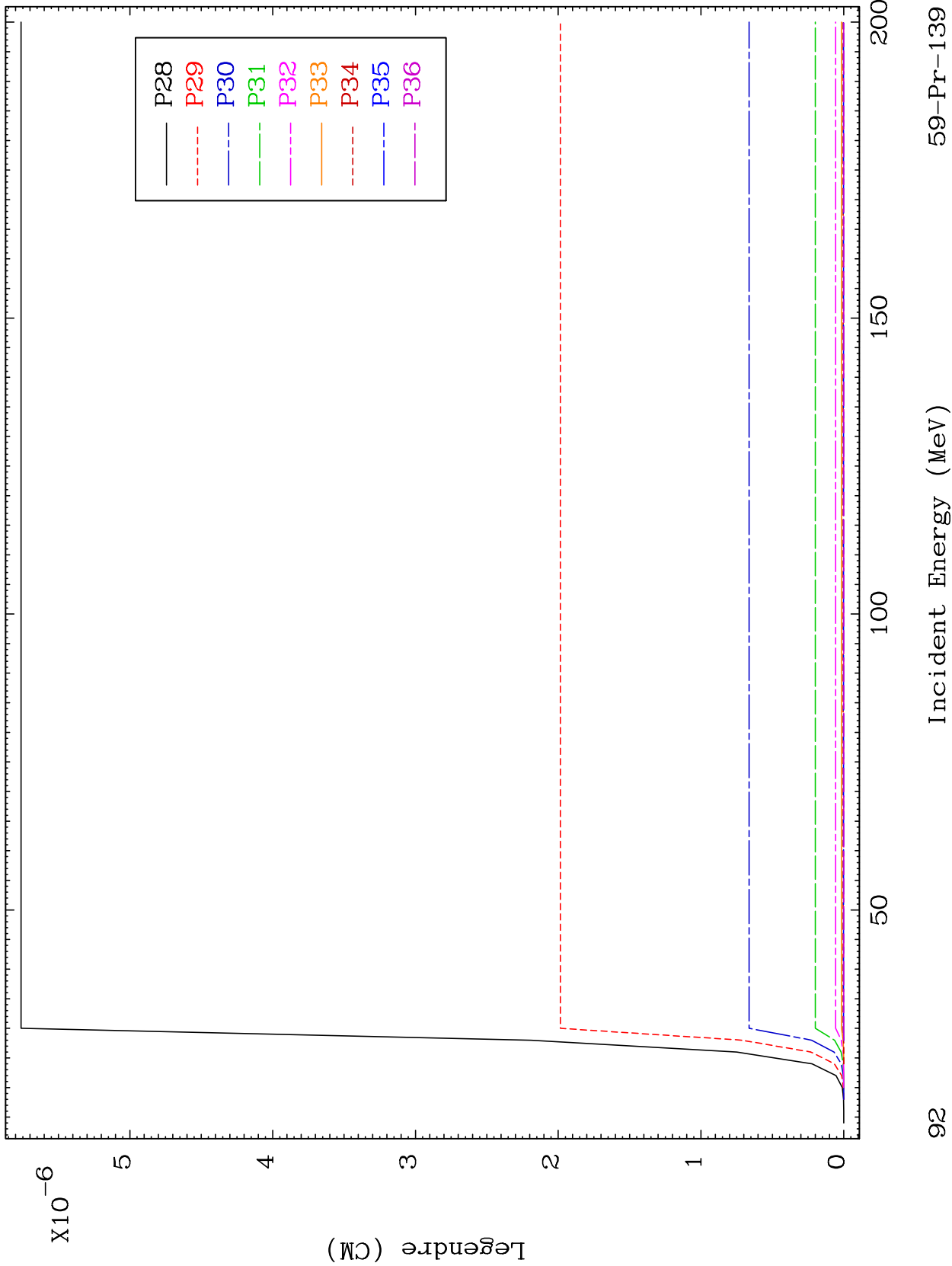




MAT 5919

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

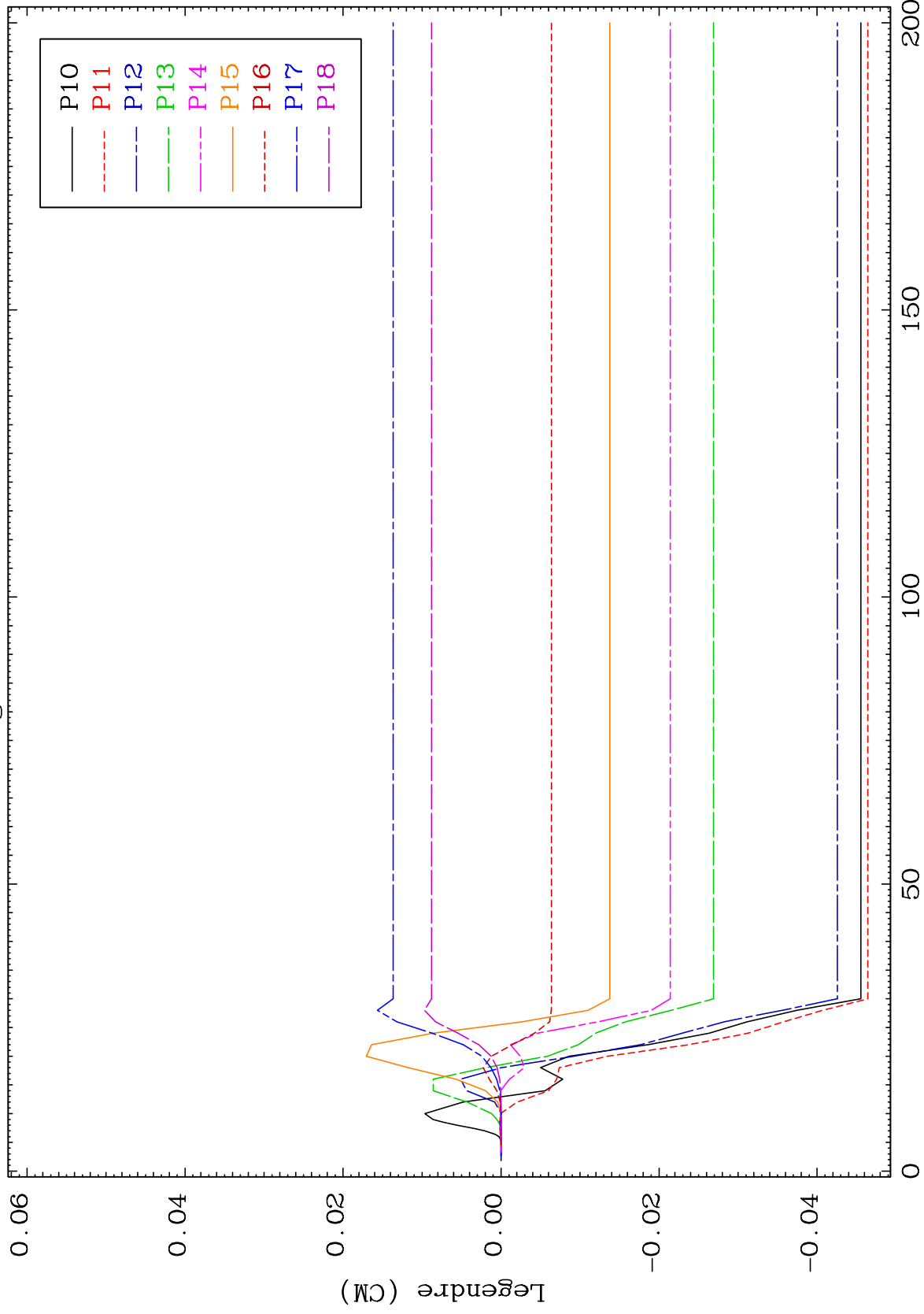
59-Pr-139



MAT 5919

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

59-Pr-139



94

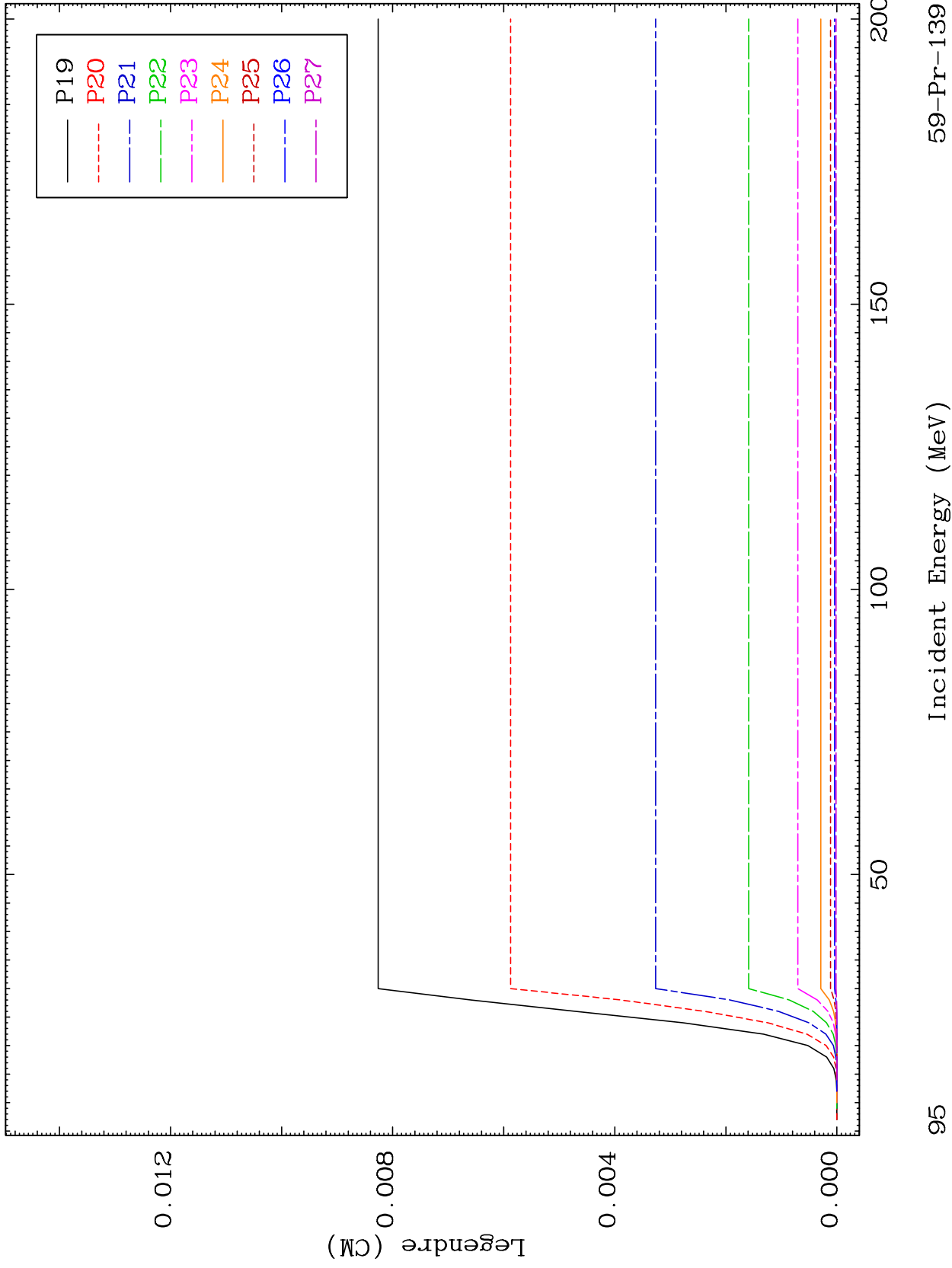
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



59-Pr-139

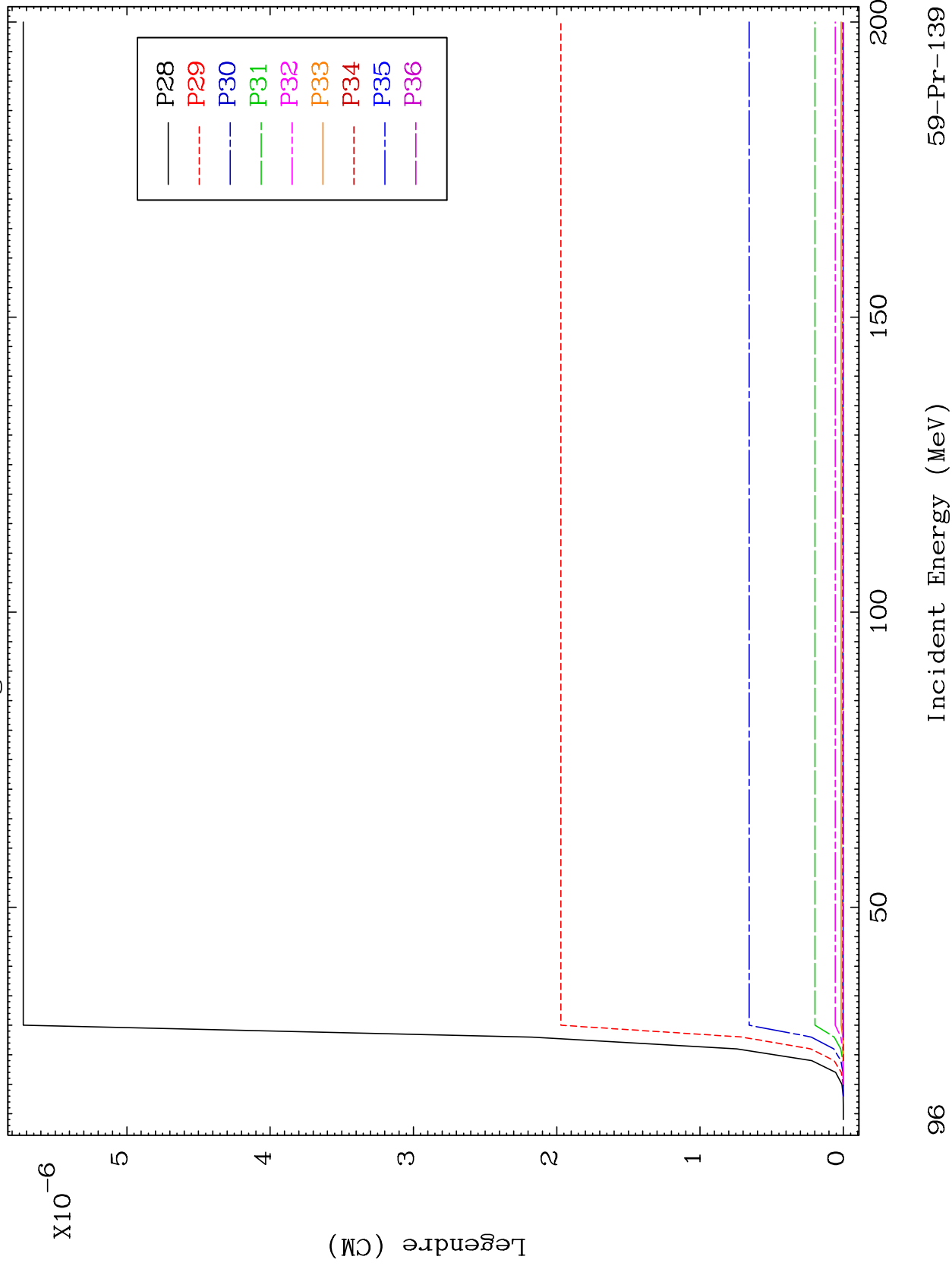
Incident Energy (MeV)

95

MAT 5919

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

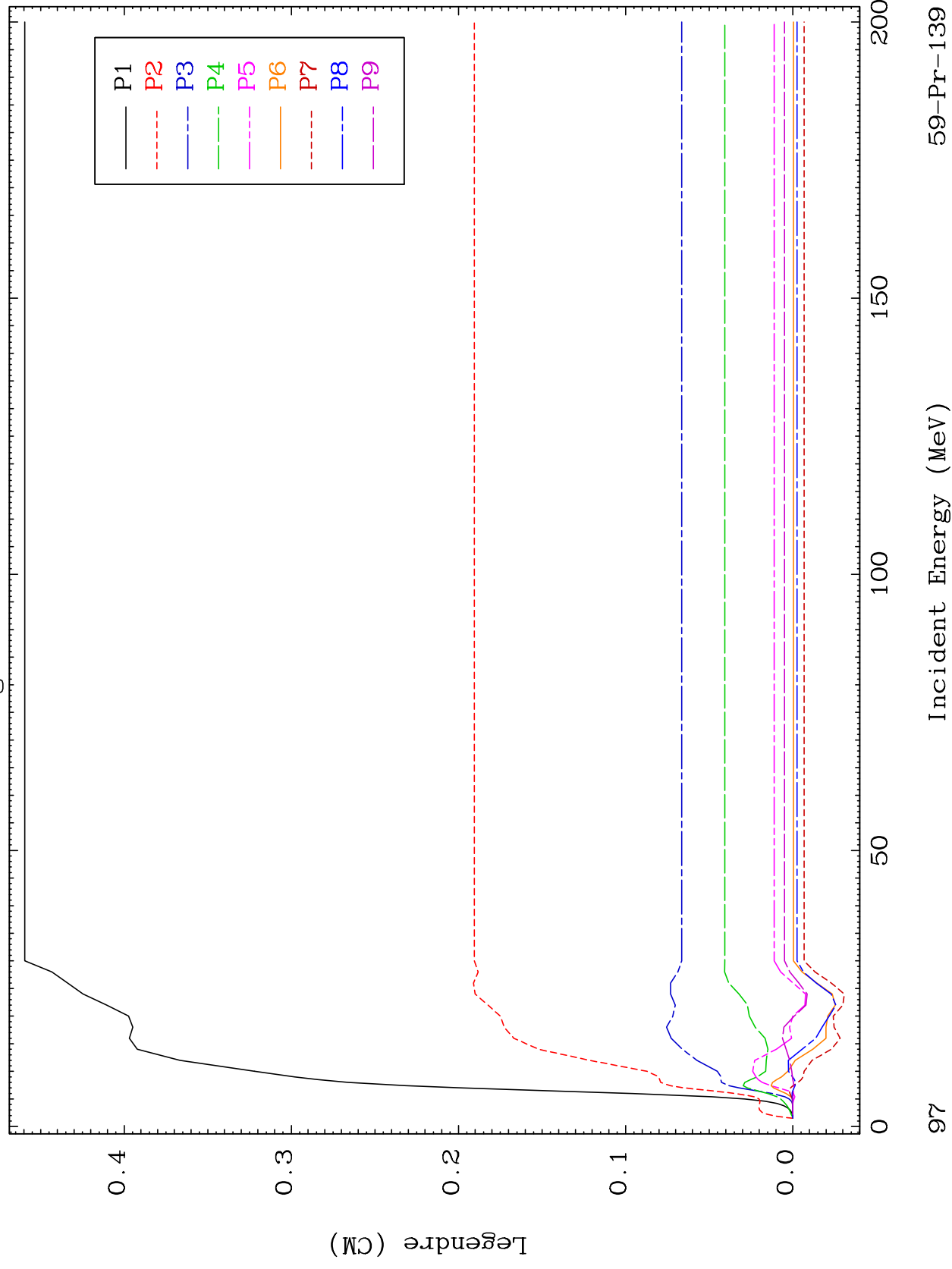
59-Pr-139



MAT 5919

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

59-Pr-139



97

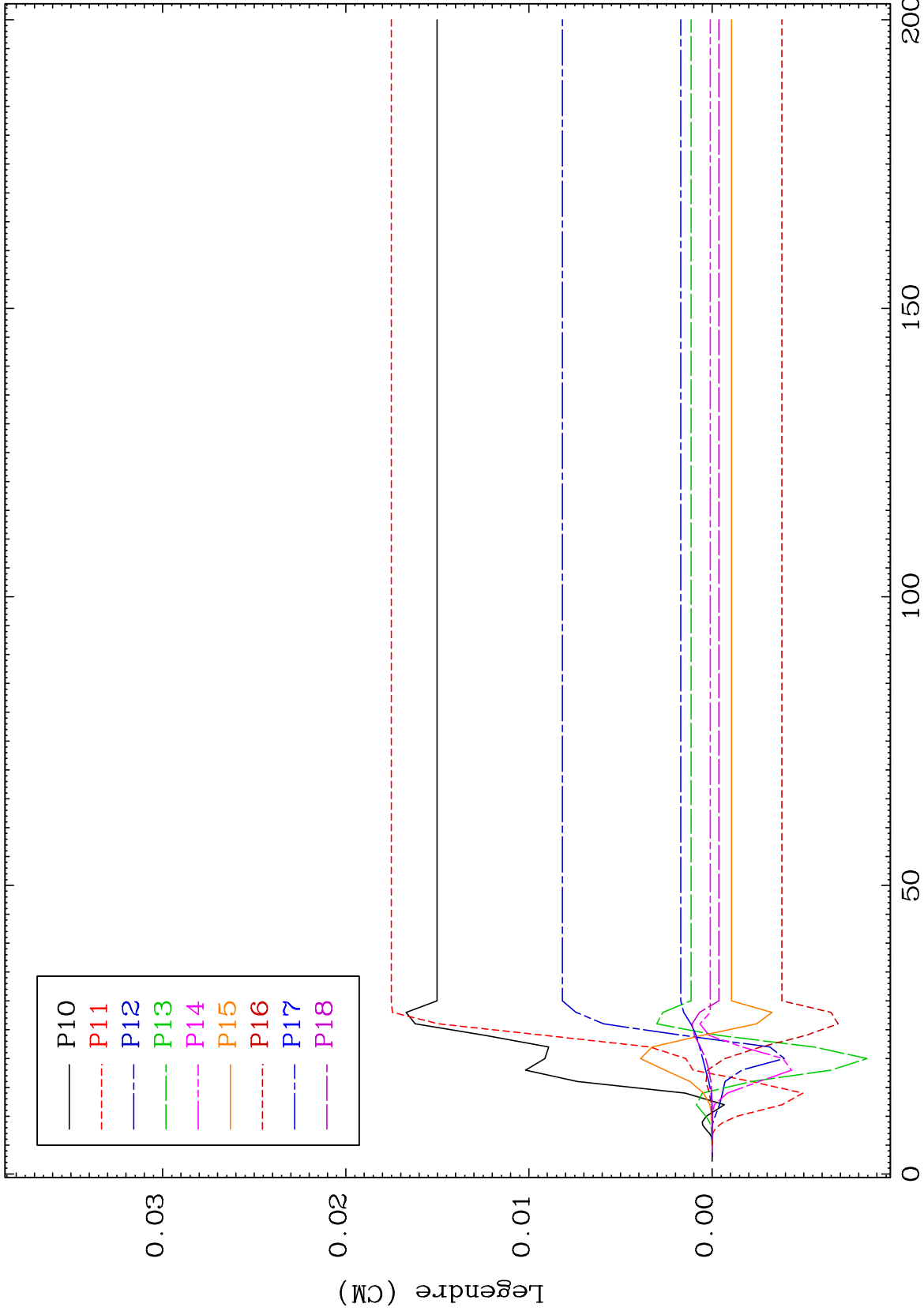
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

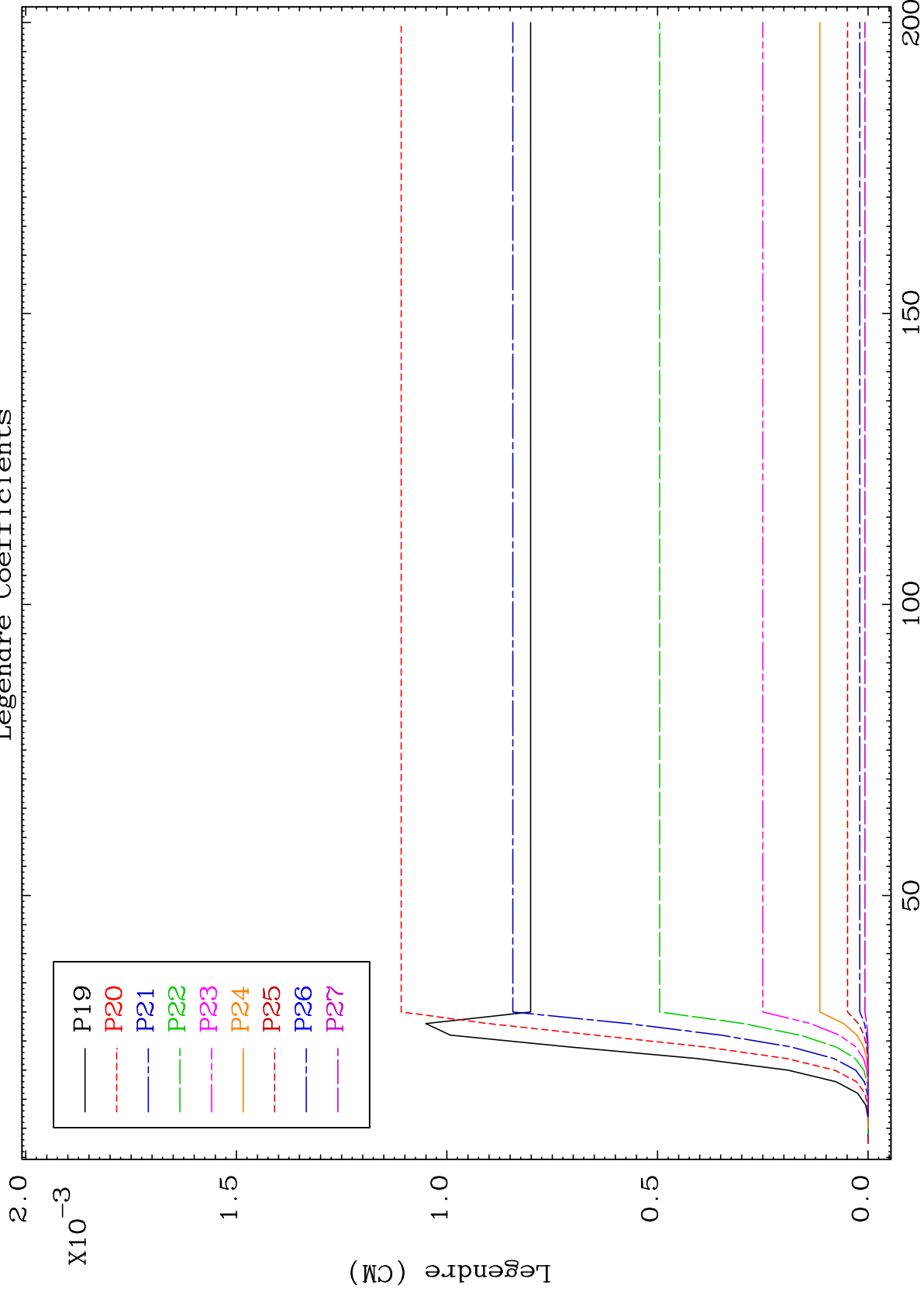
59-Pr-139



98

Incident Energy (MeV)

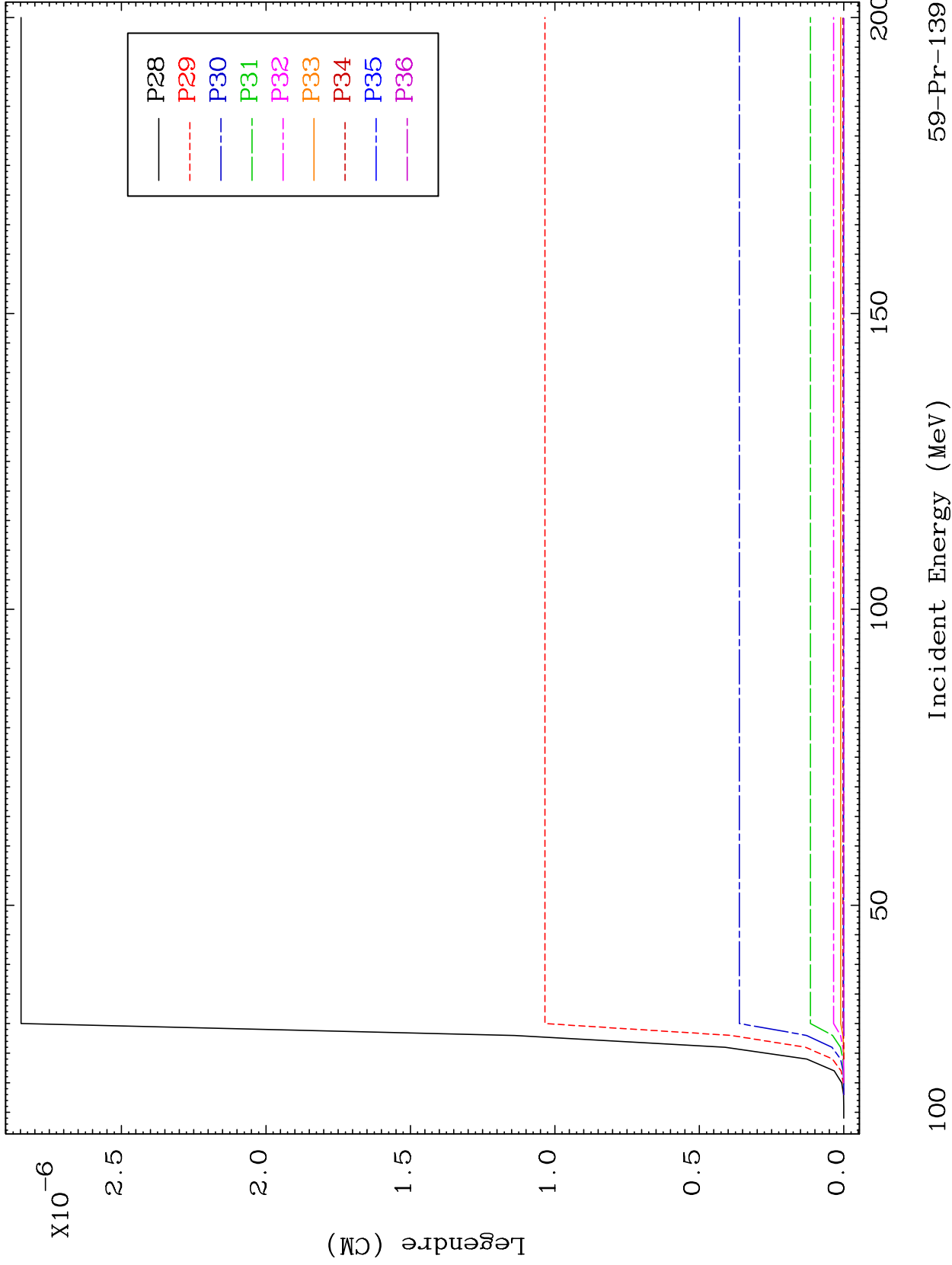
59-Pr-139



MAT 5919

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

59-Pr-139

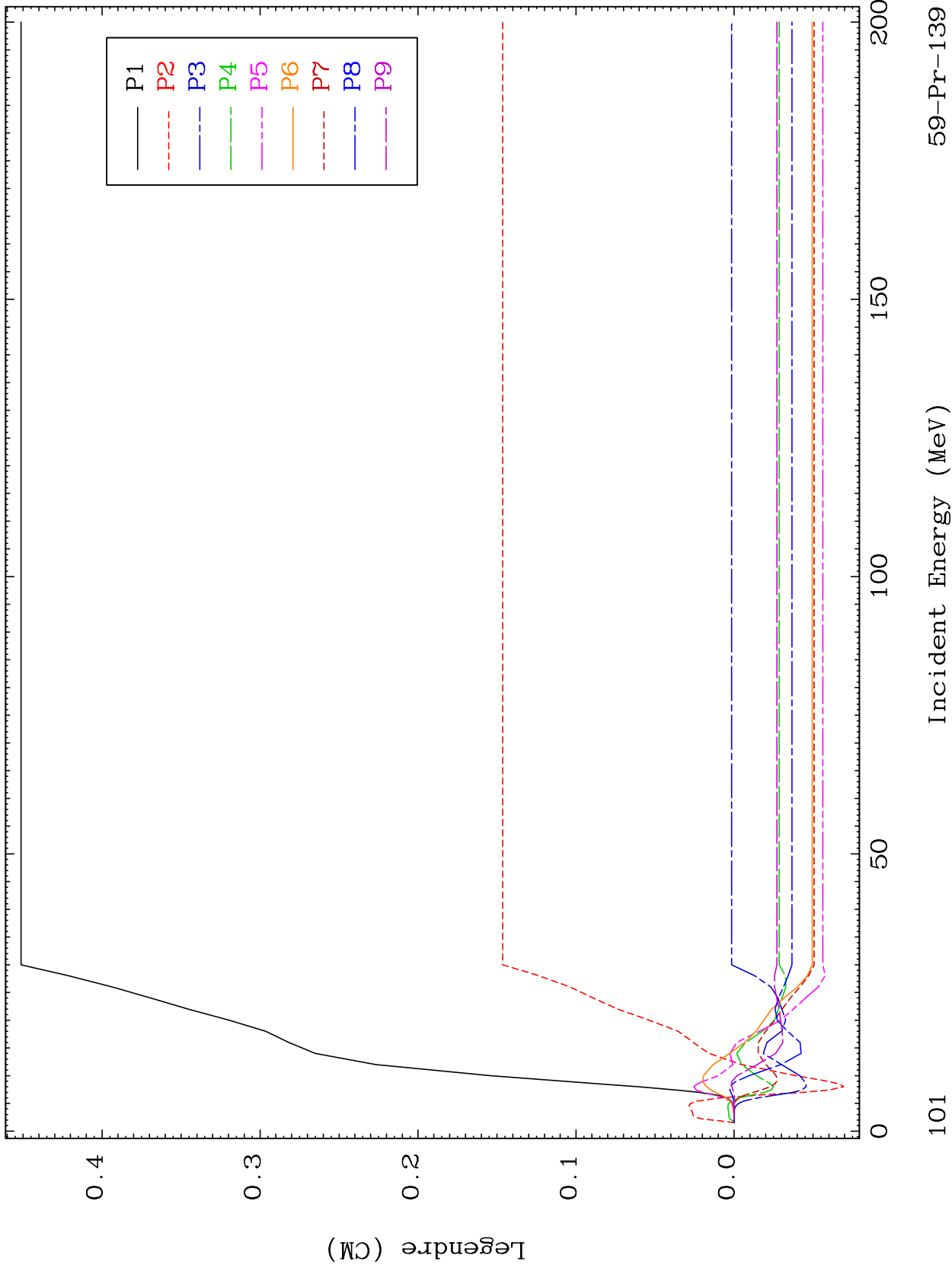


59-Pr-139

MAT 5919

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

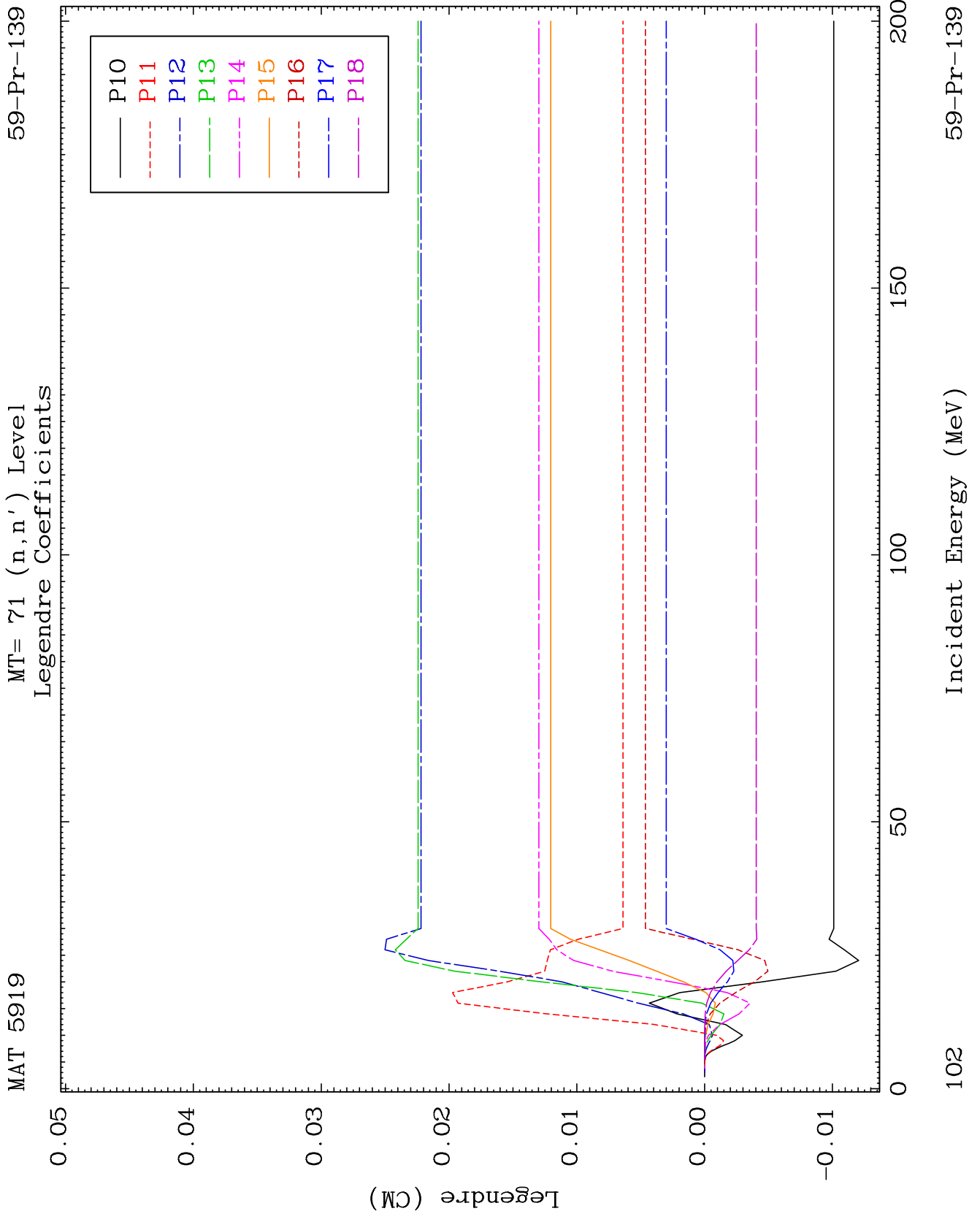
59-Pr-139



59-Pr-139

Incident Energy (MeV)

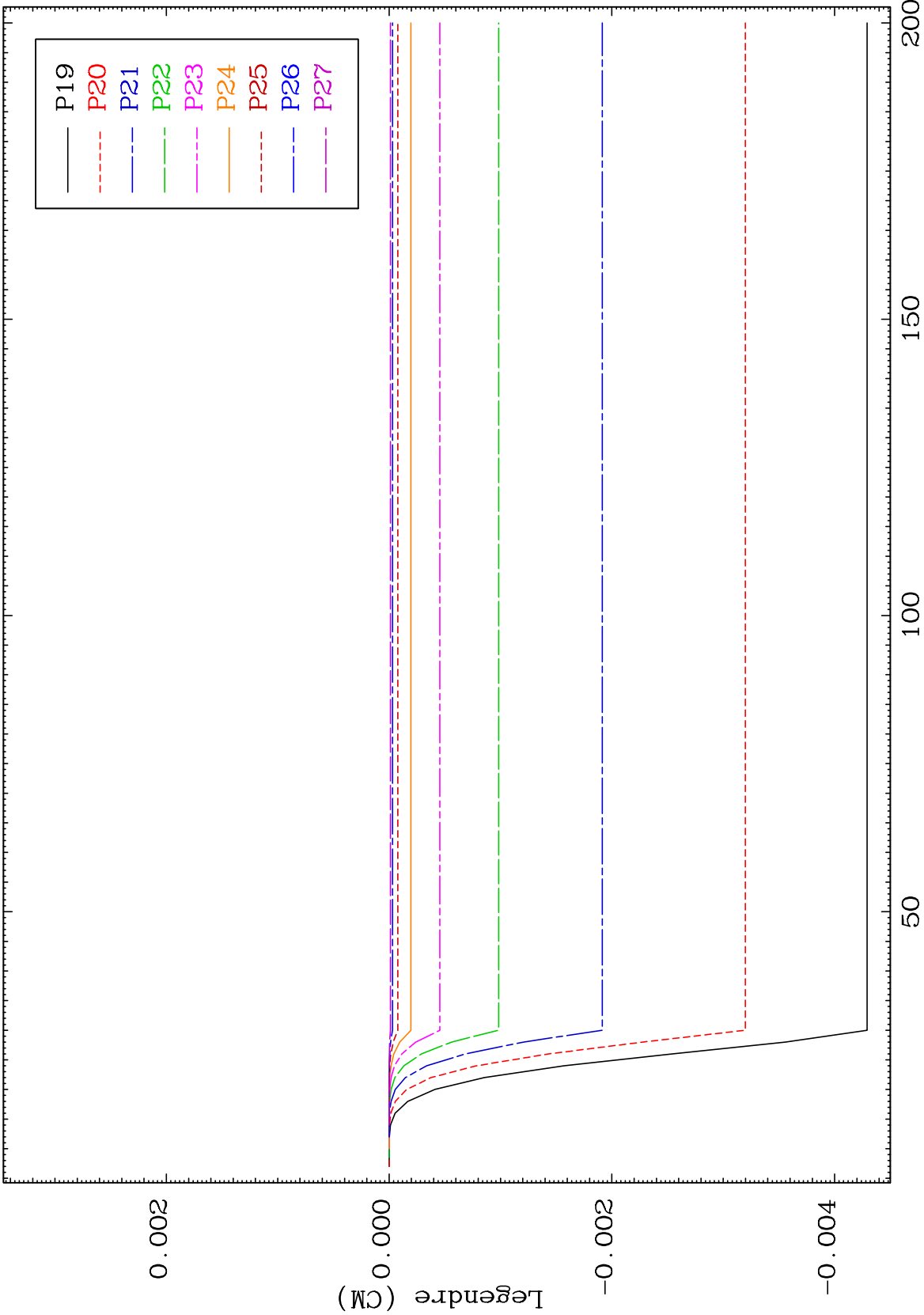
101



MAT 5919

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

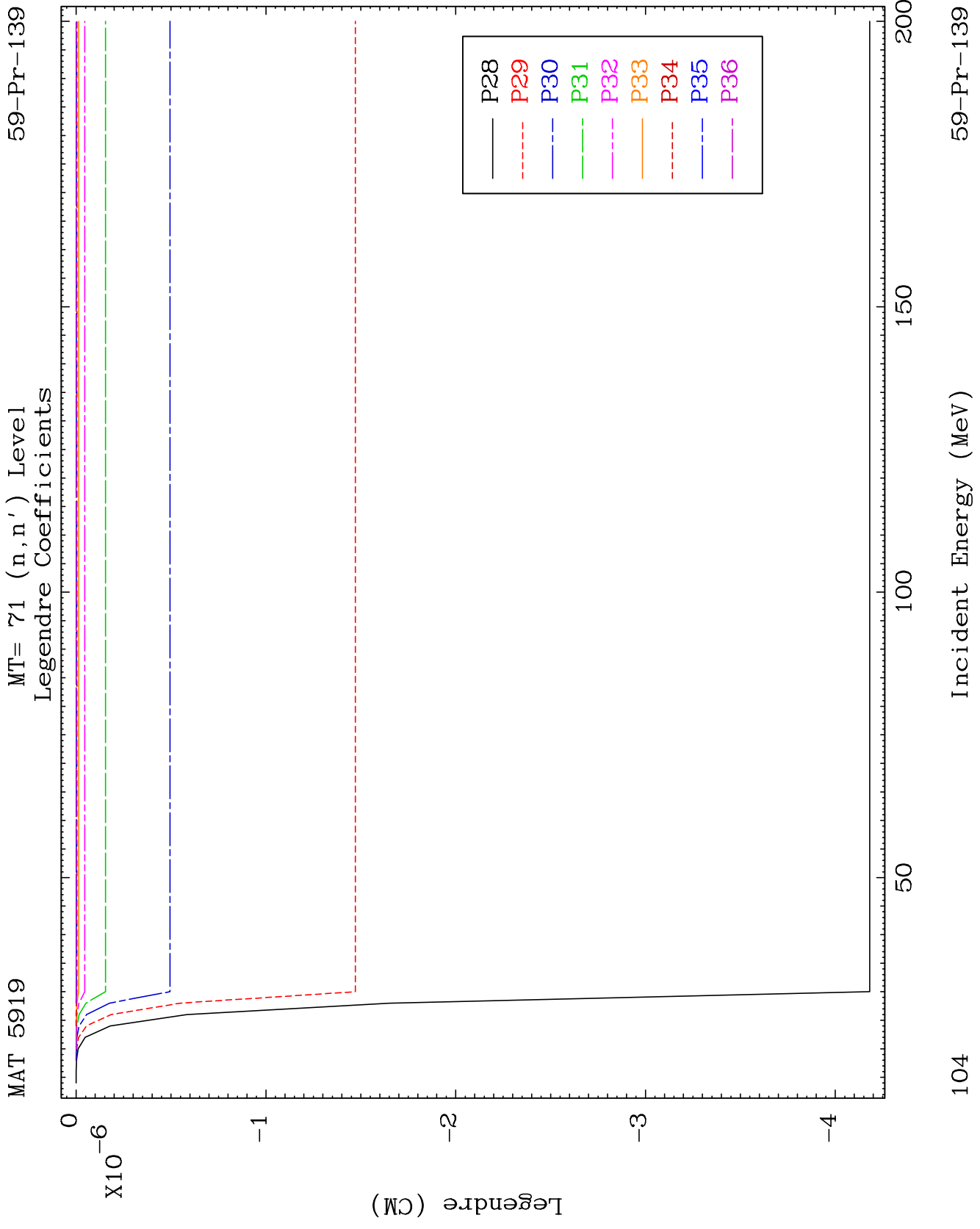
59-Pr-139



103

Incident Energy (MeV)

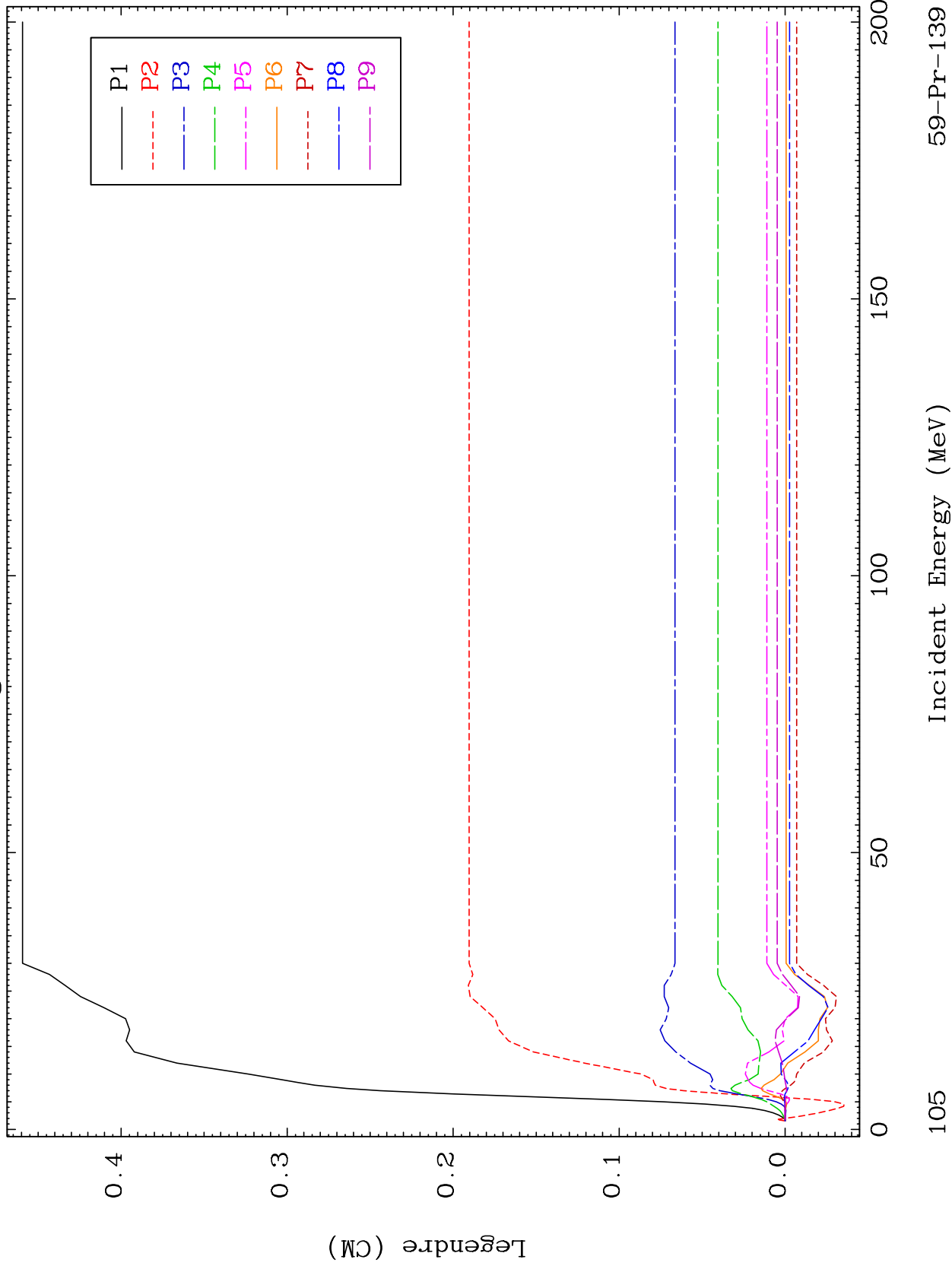
59-Pr-139



MAT 5919

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

59-Pr-139

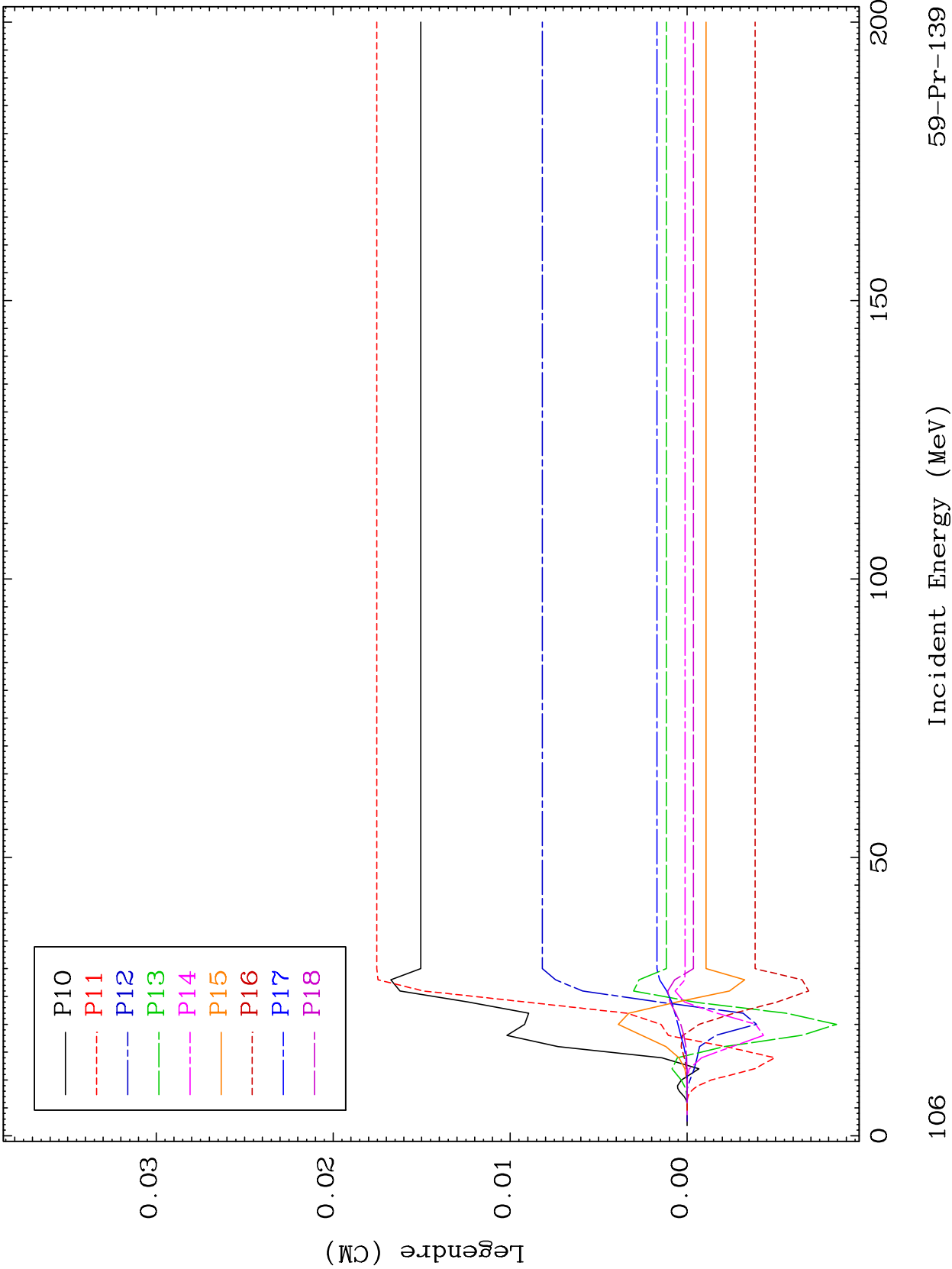


59-Pr-139

MAT 5919

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

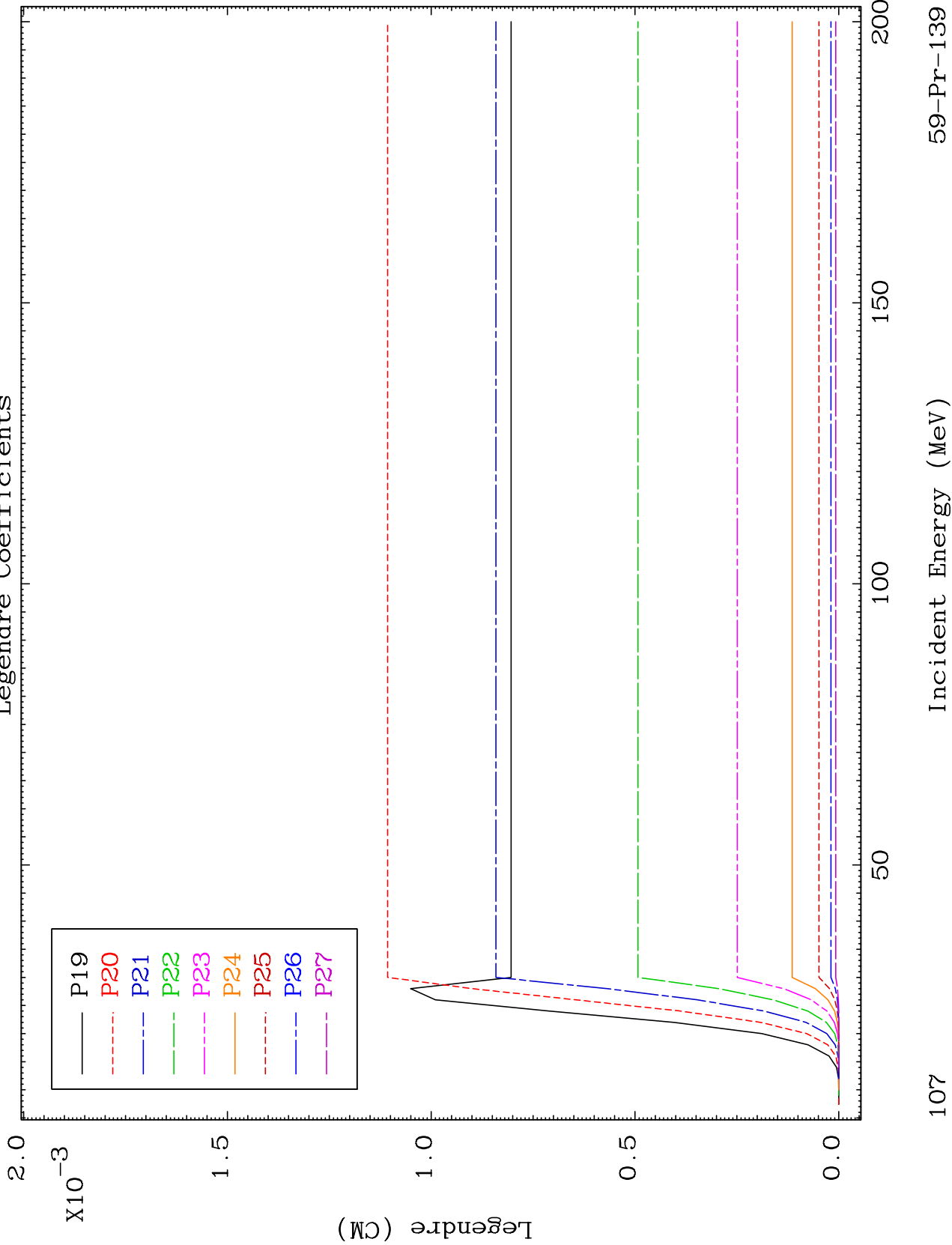
59-Pr-139



106

Incident Energy (MeV)

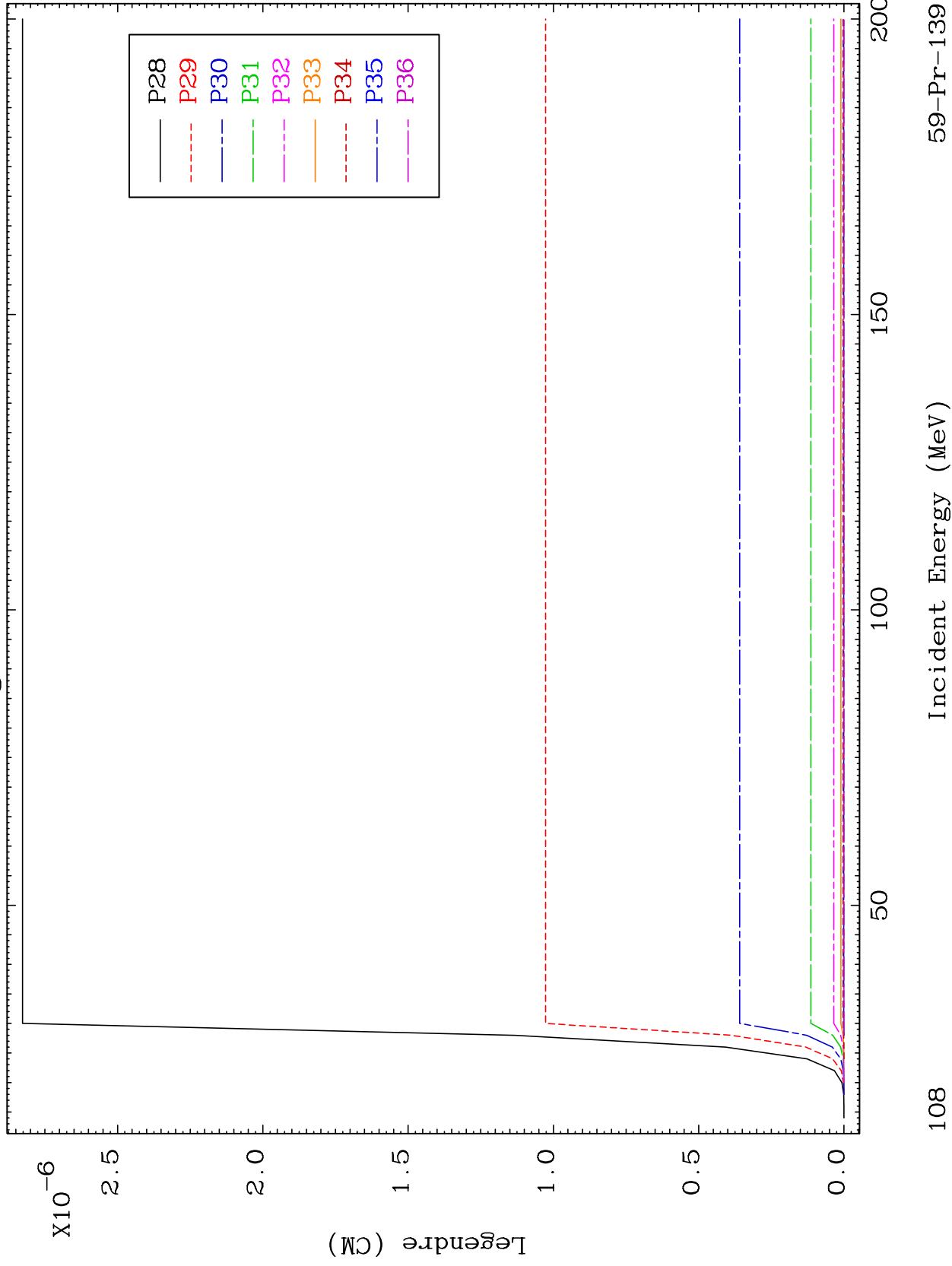
59-Pr-139



MAT 5919

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

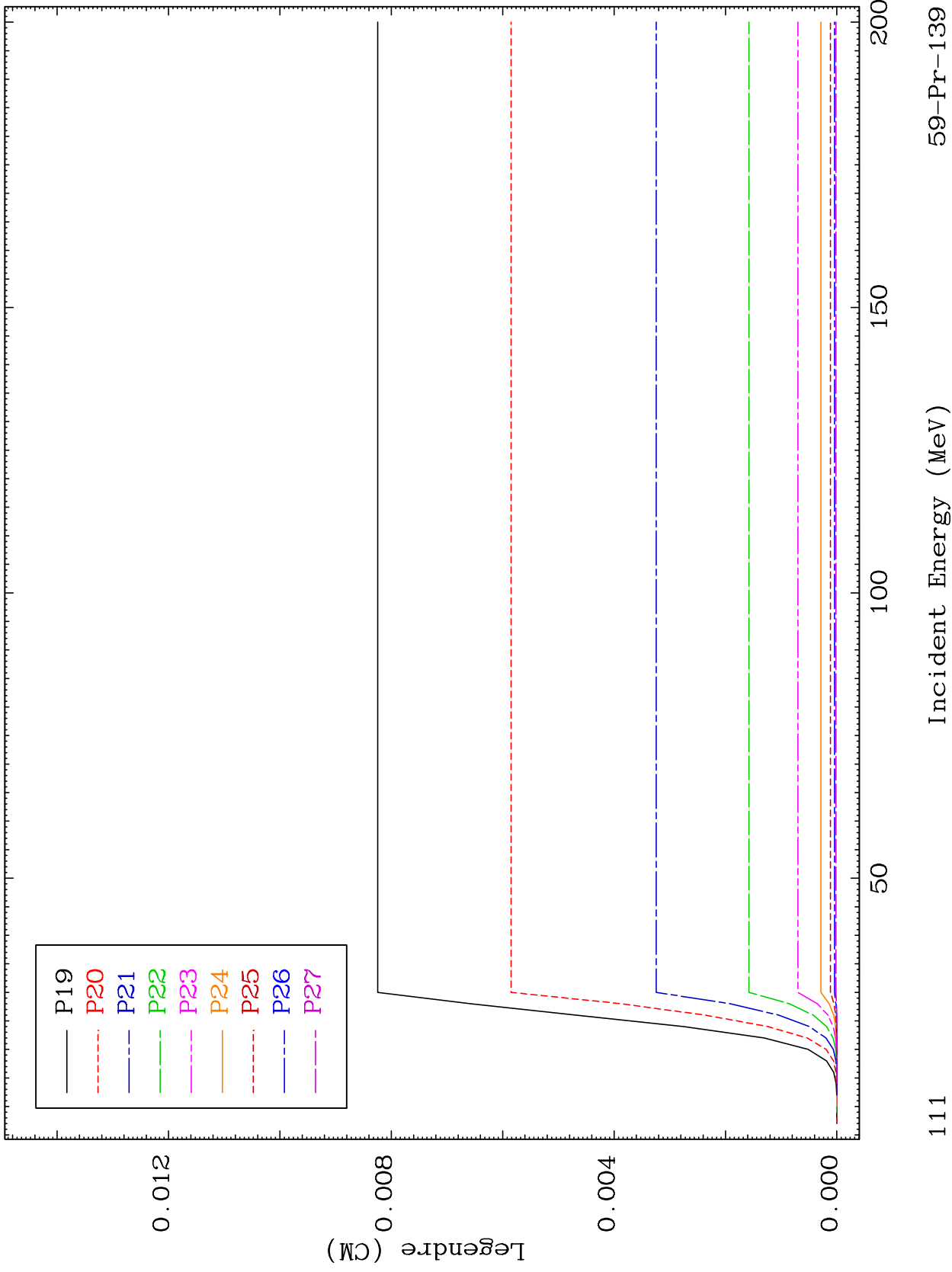
59-Pr-139



MAT 5919

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

59-Pr-139



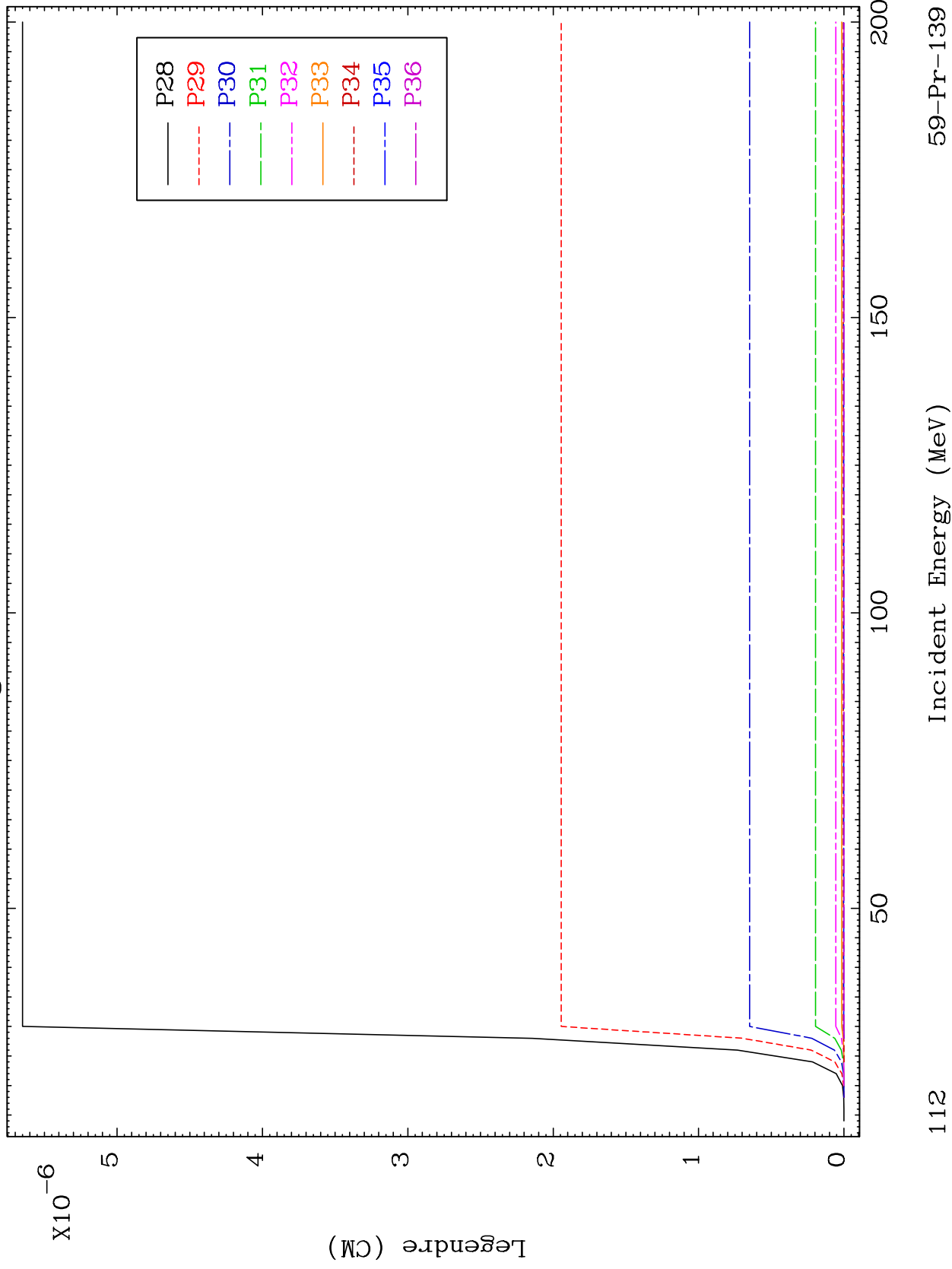
111

59-Pr-139

MAT 5919

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

59-Pr-139



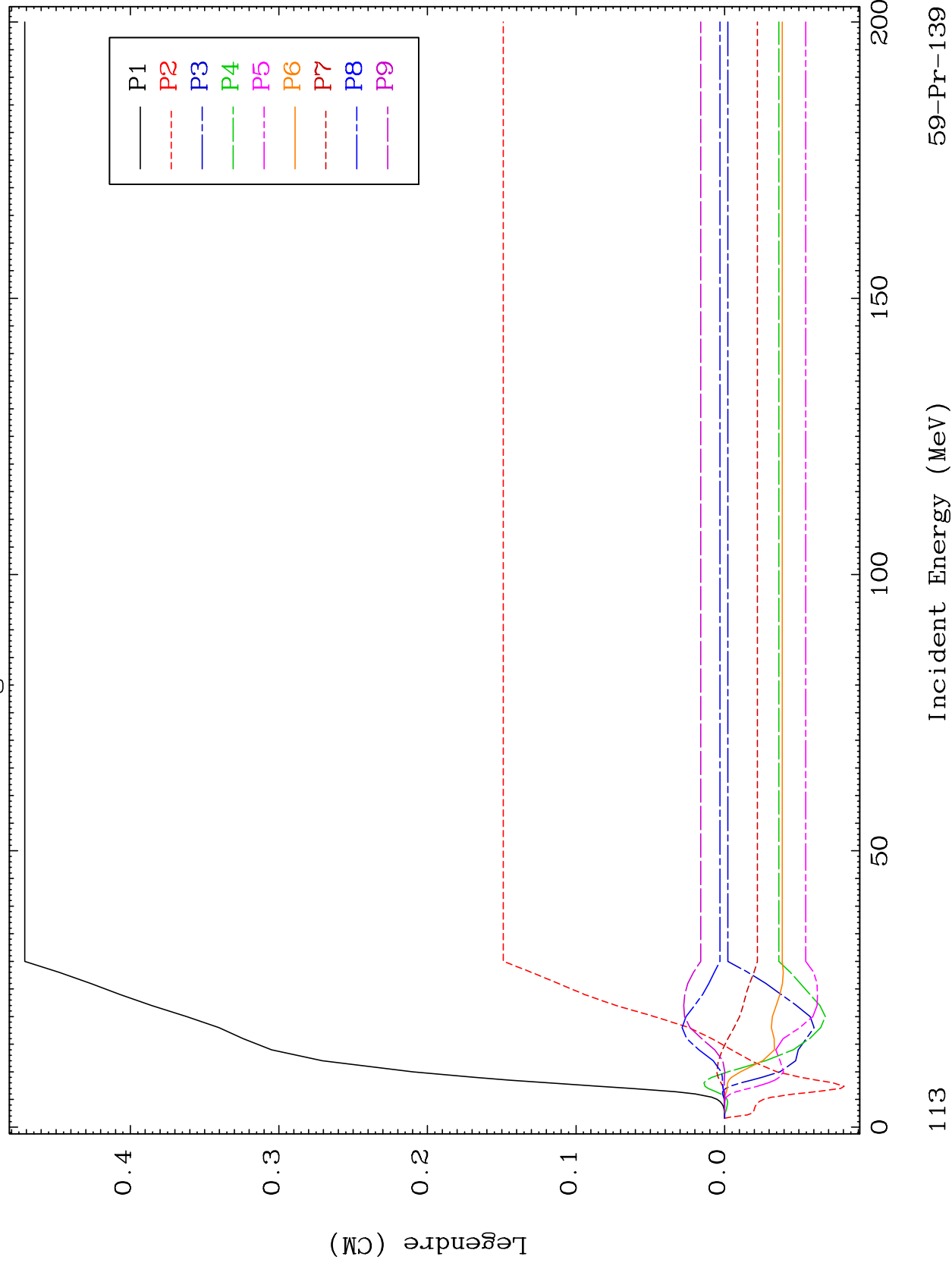
112

59-Pr-139

MAT 5919

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

59-Pr-139



113

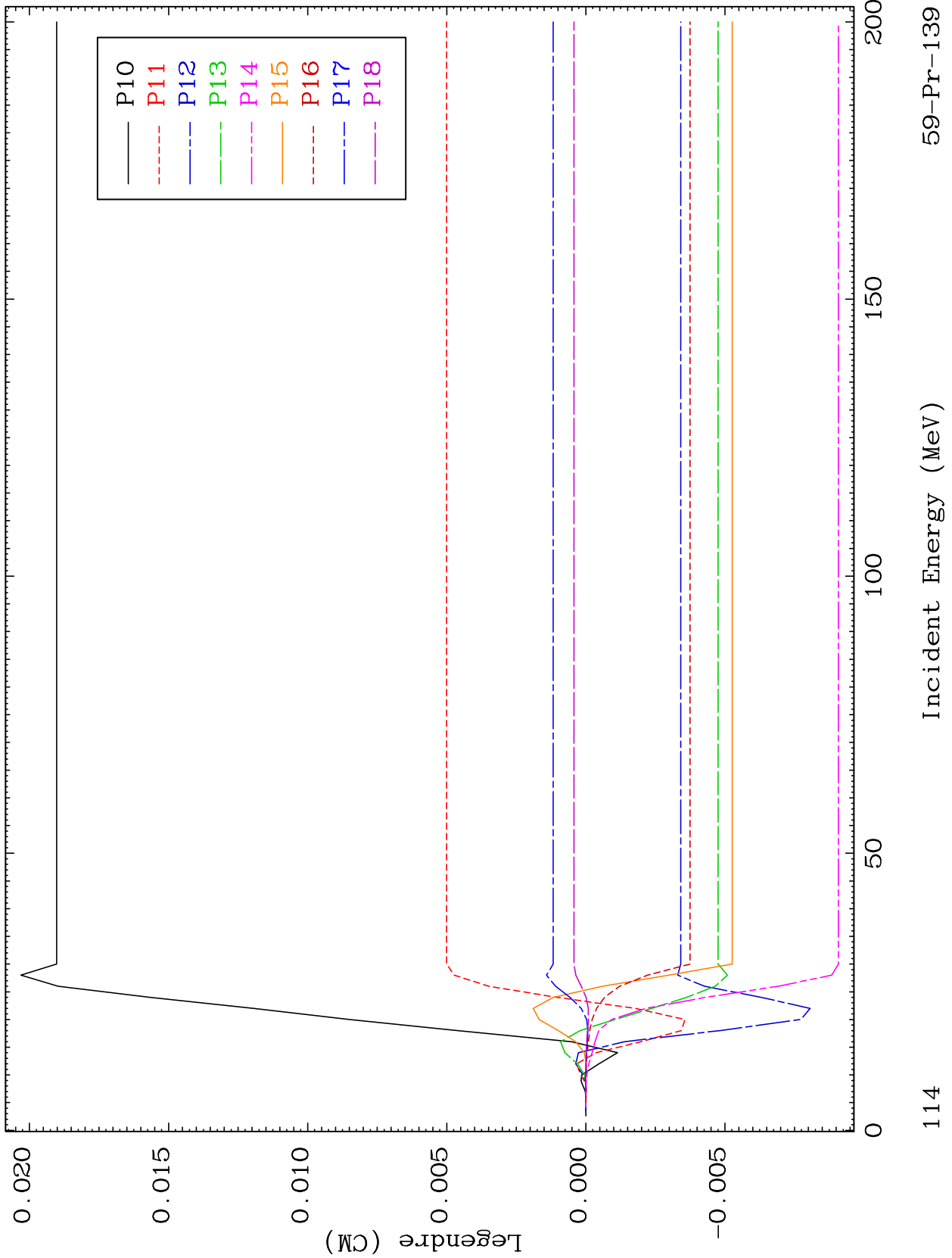
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



114

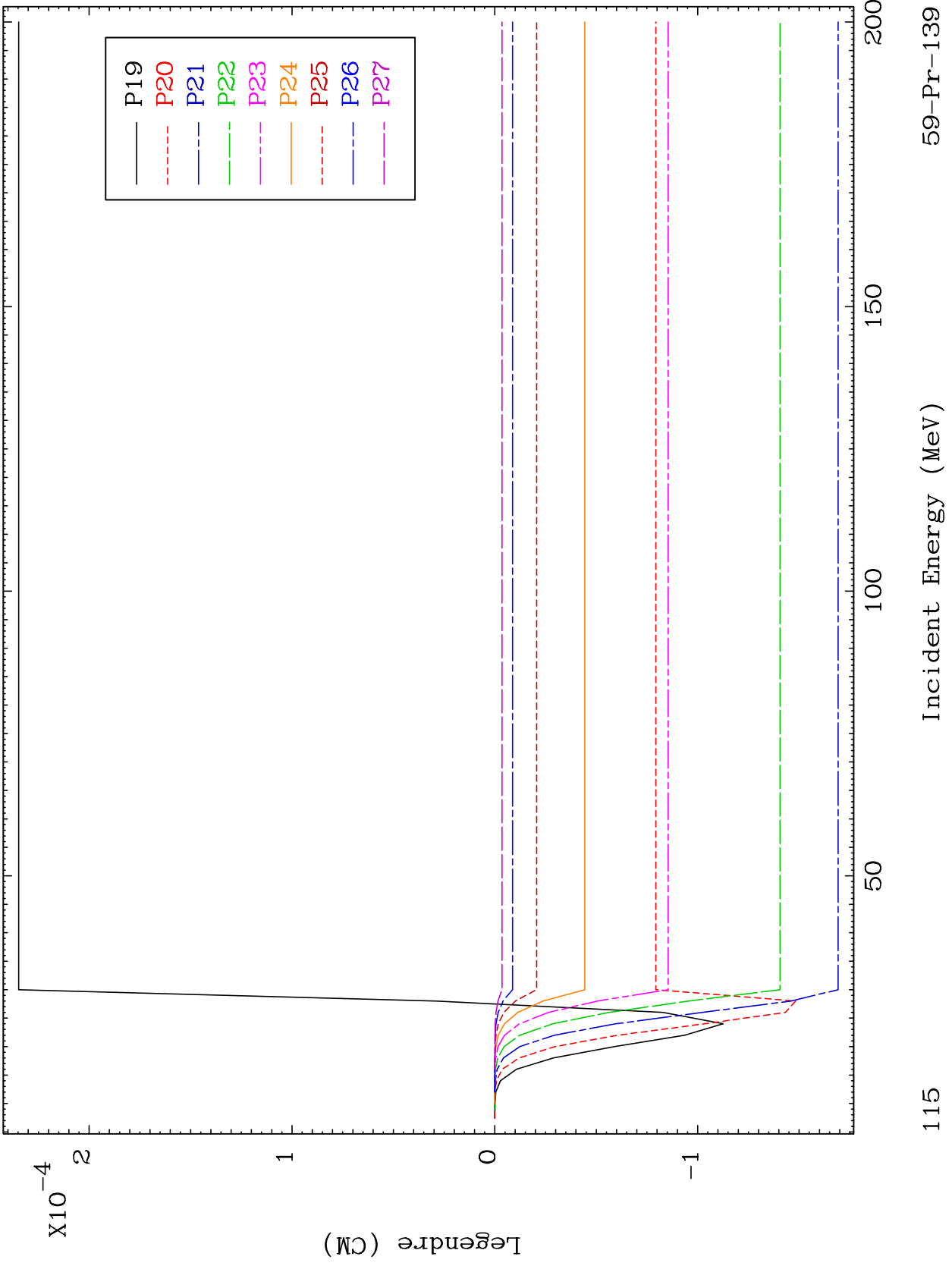
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



115

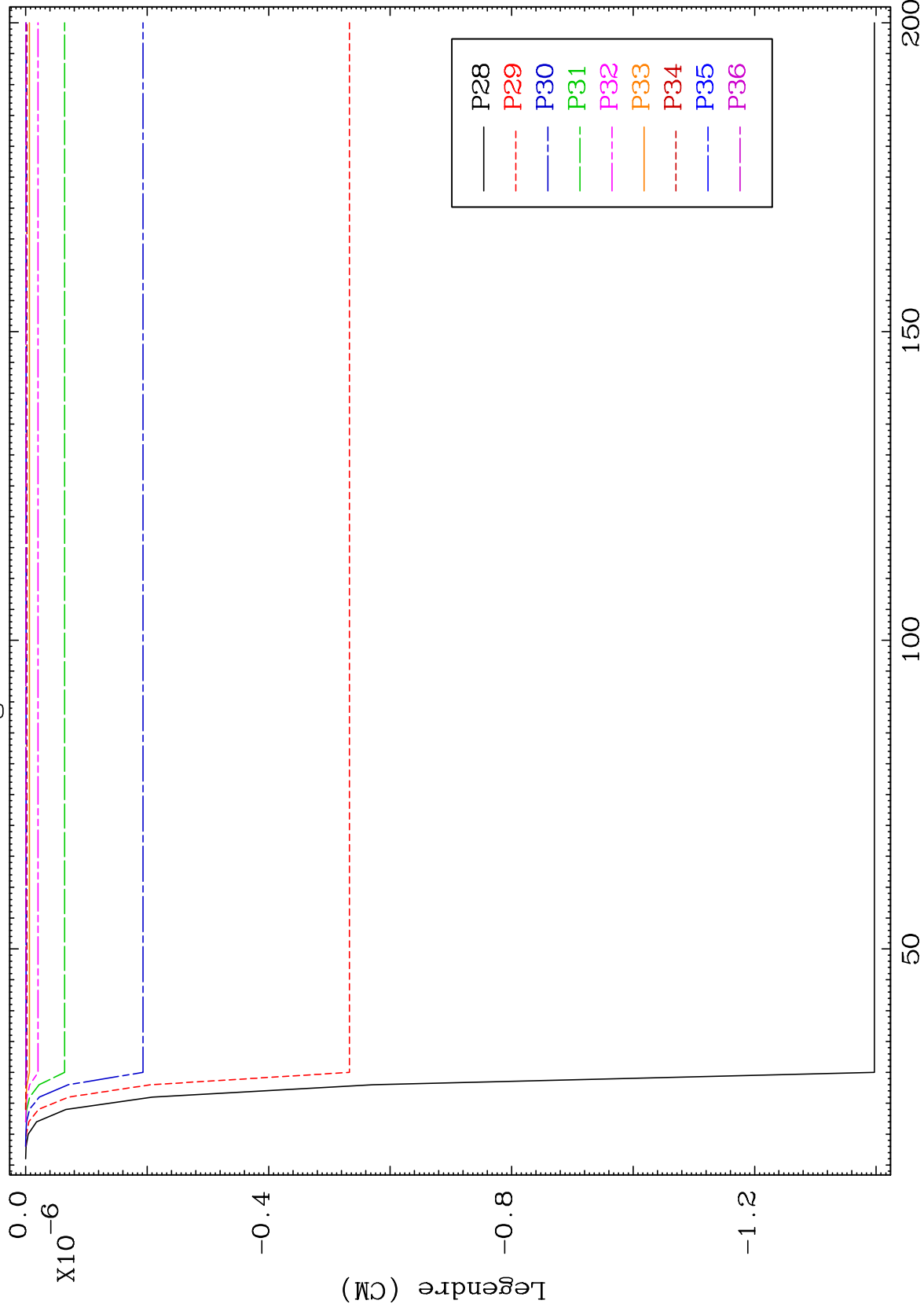
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

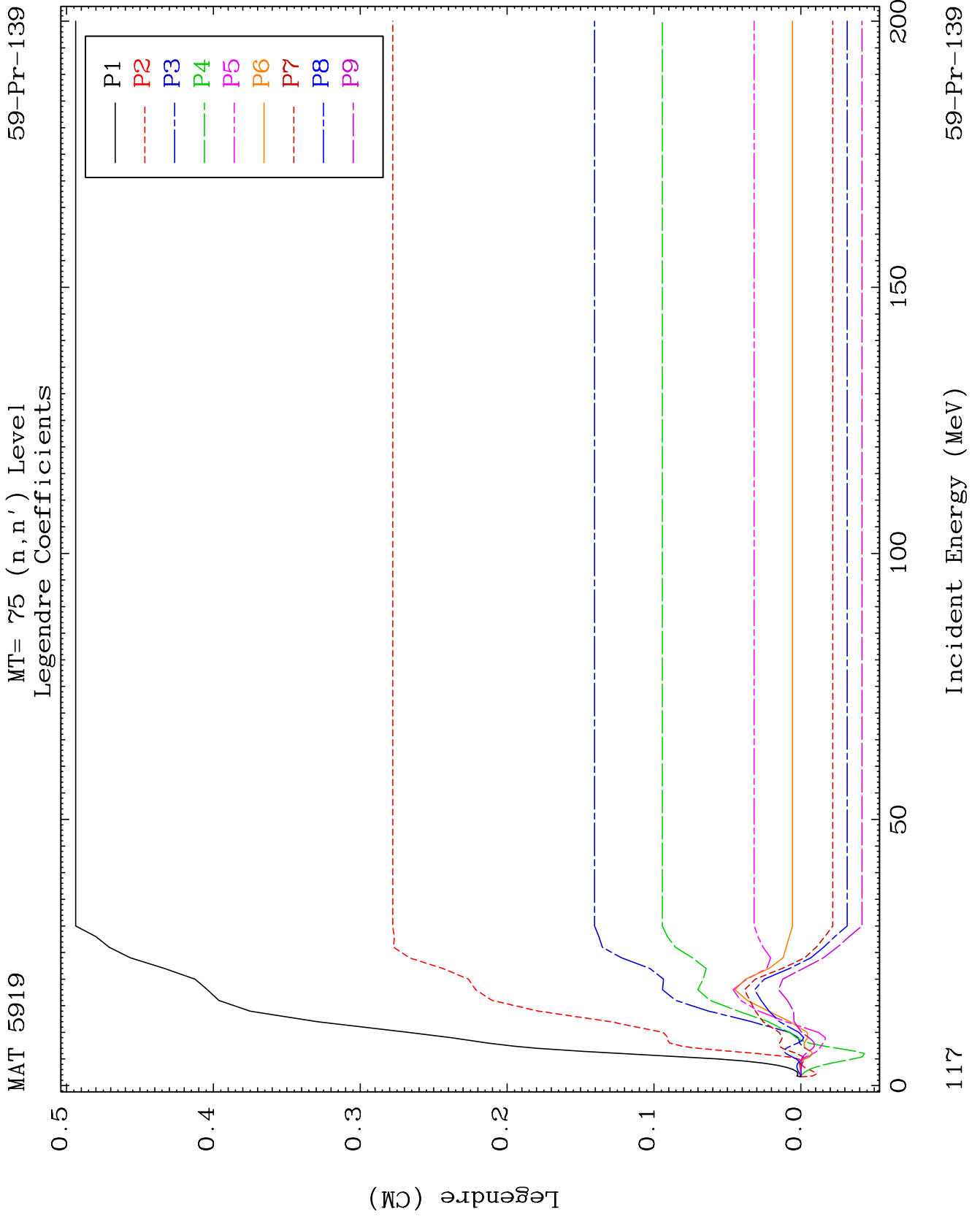
59-Pr-139



116

Incident Energy (MeV)

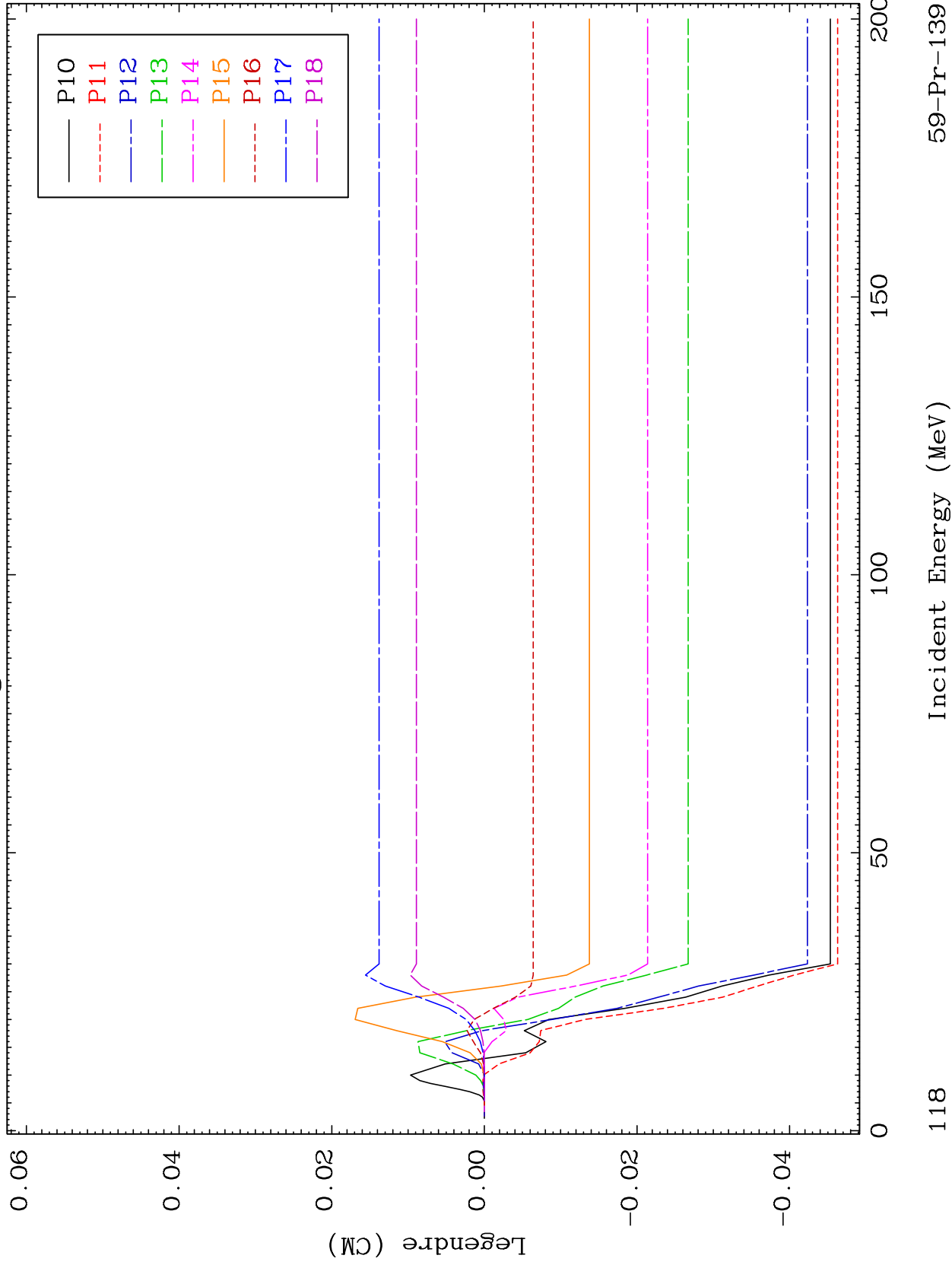
59-Pr-139



MAT 5919

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

59-Pr-139



118

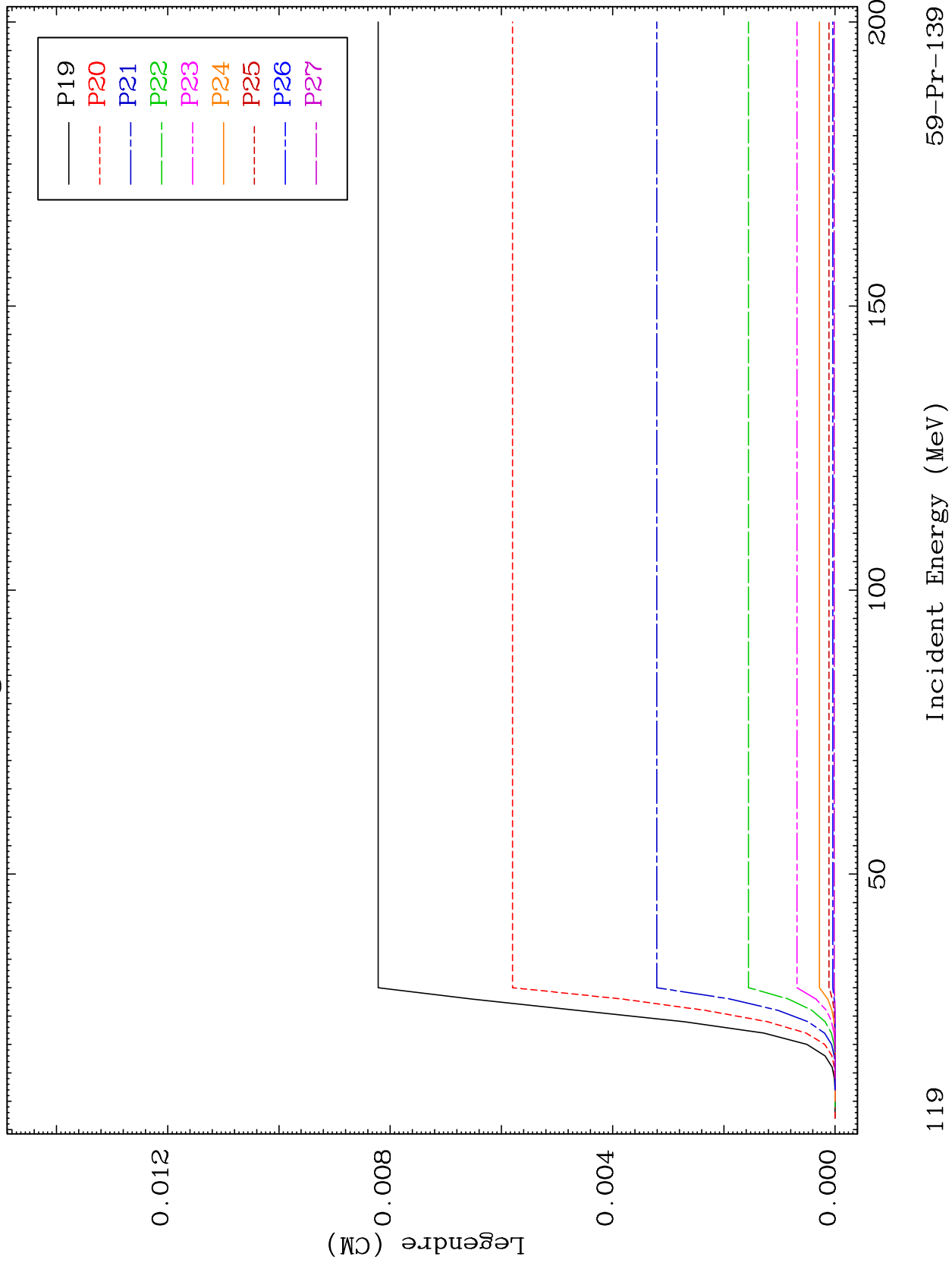
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



119

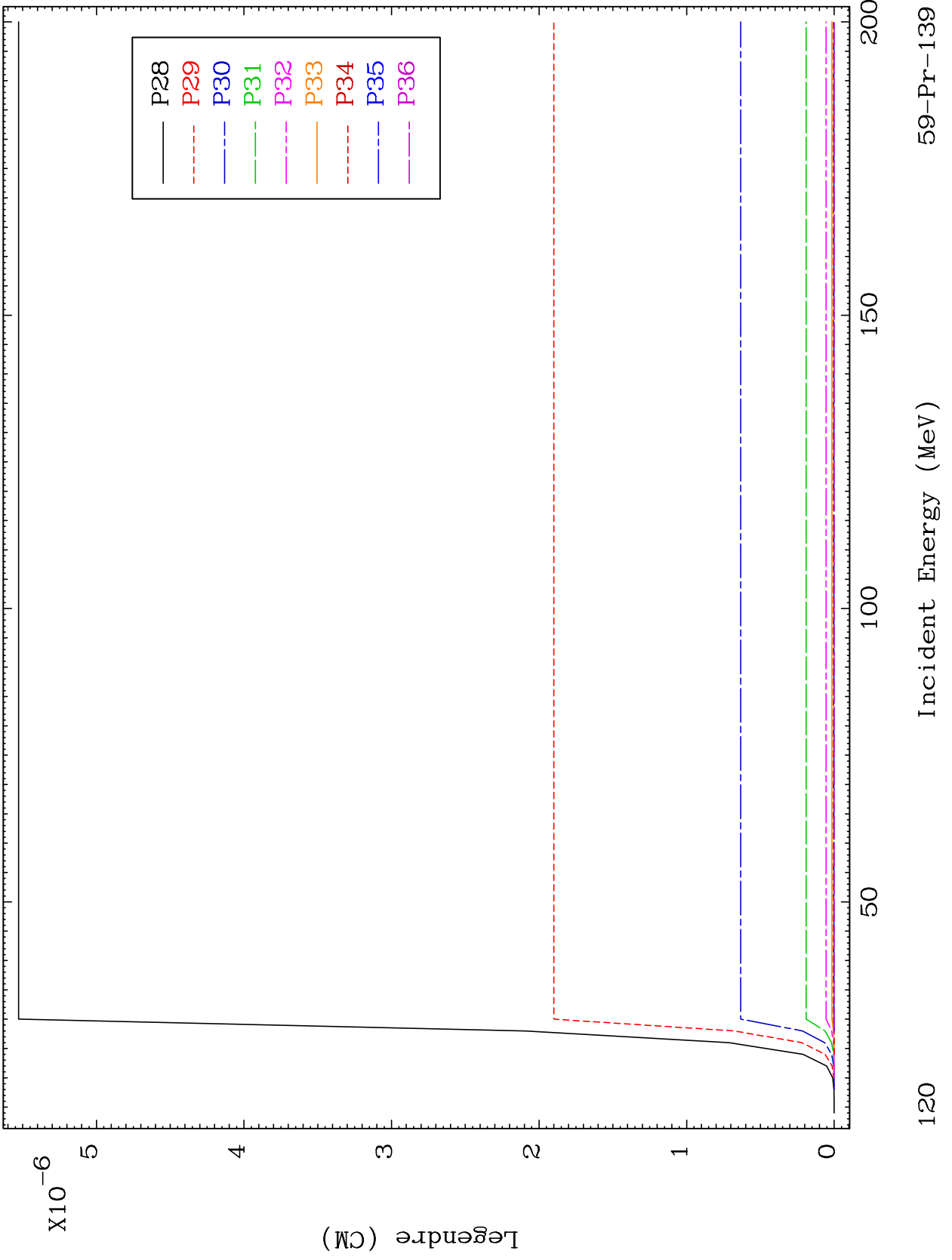
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

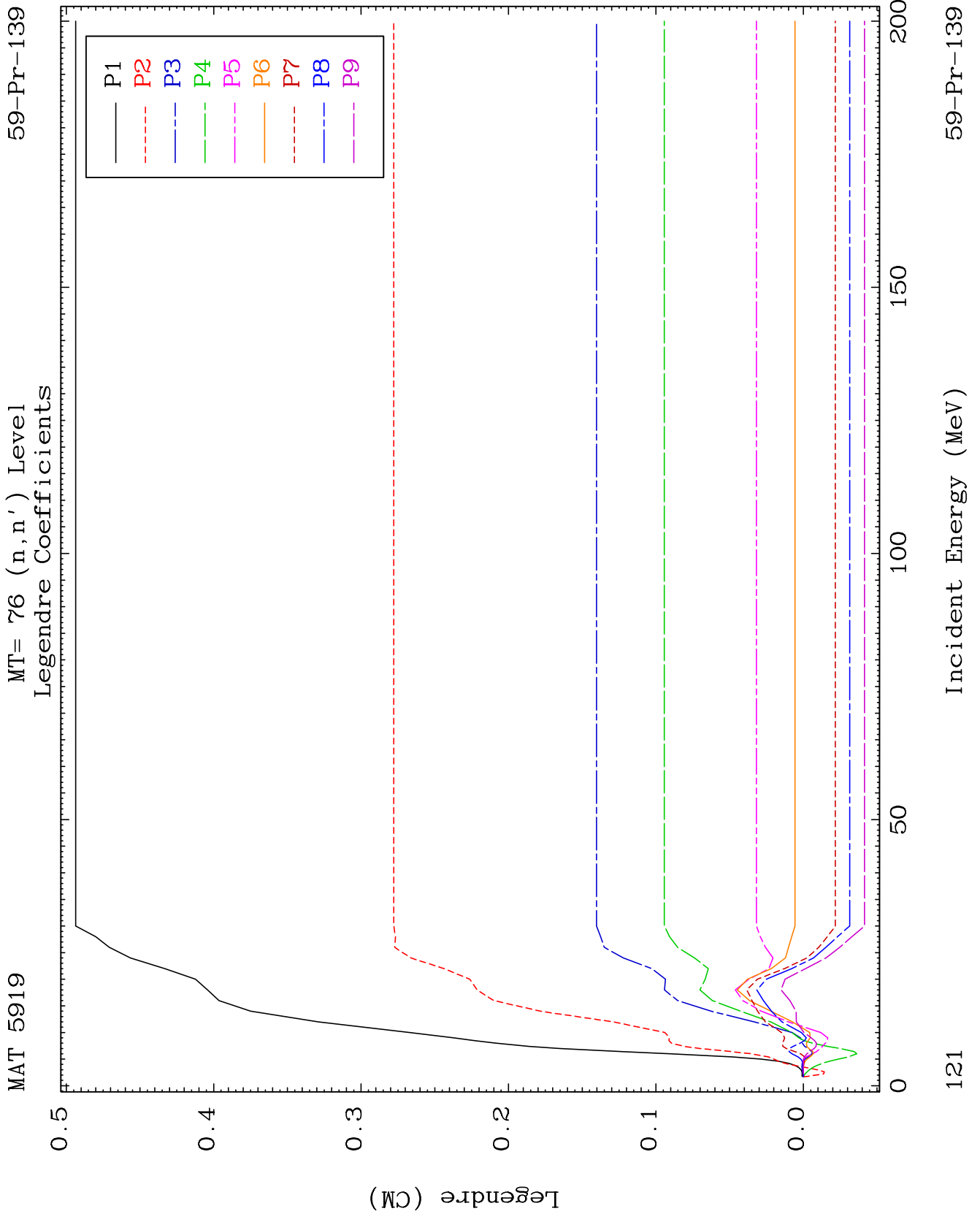
59-Pr-139



120

Incident Energy (MeV)

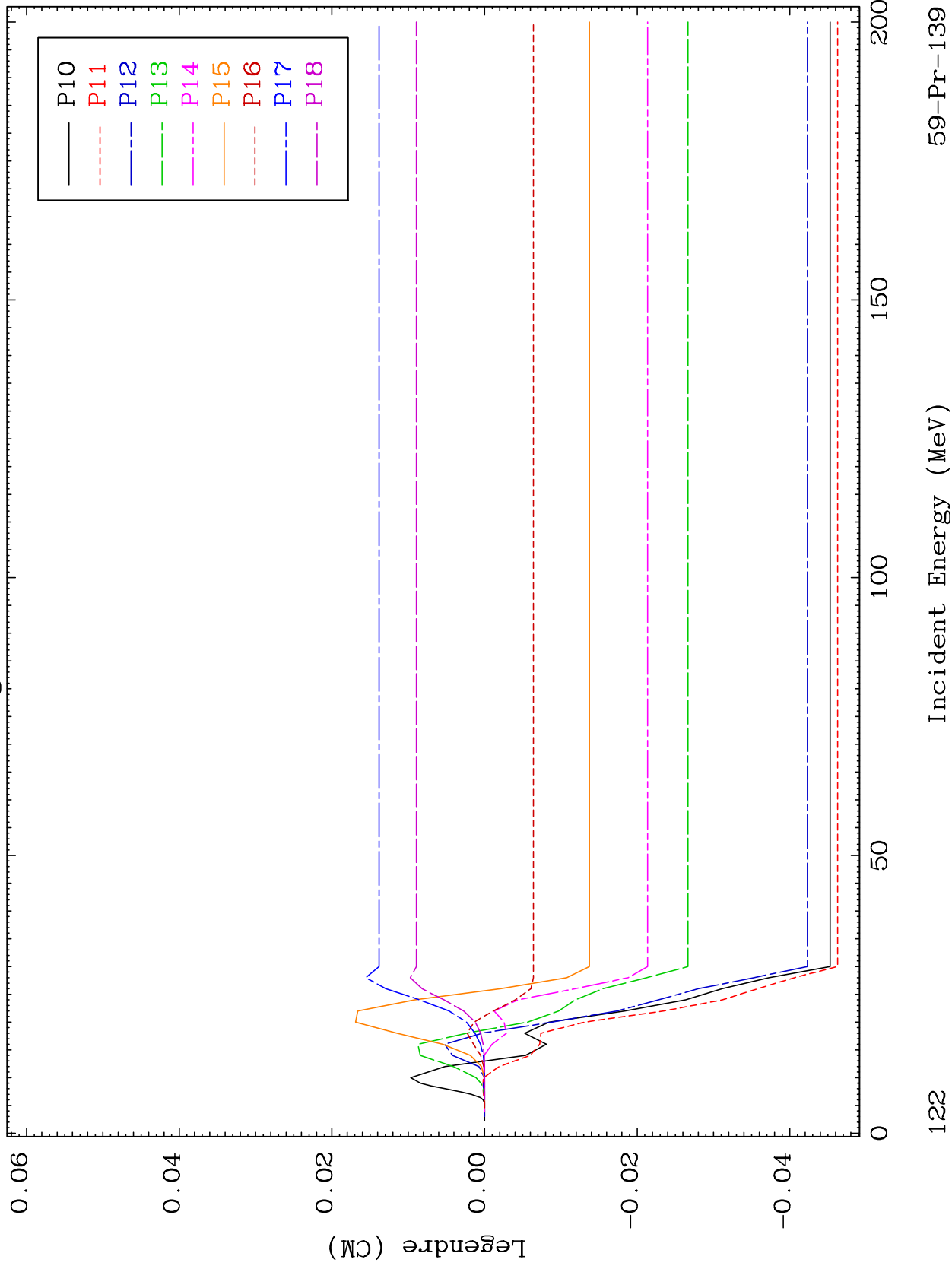
59-Pr-139



MAT 5919

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

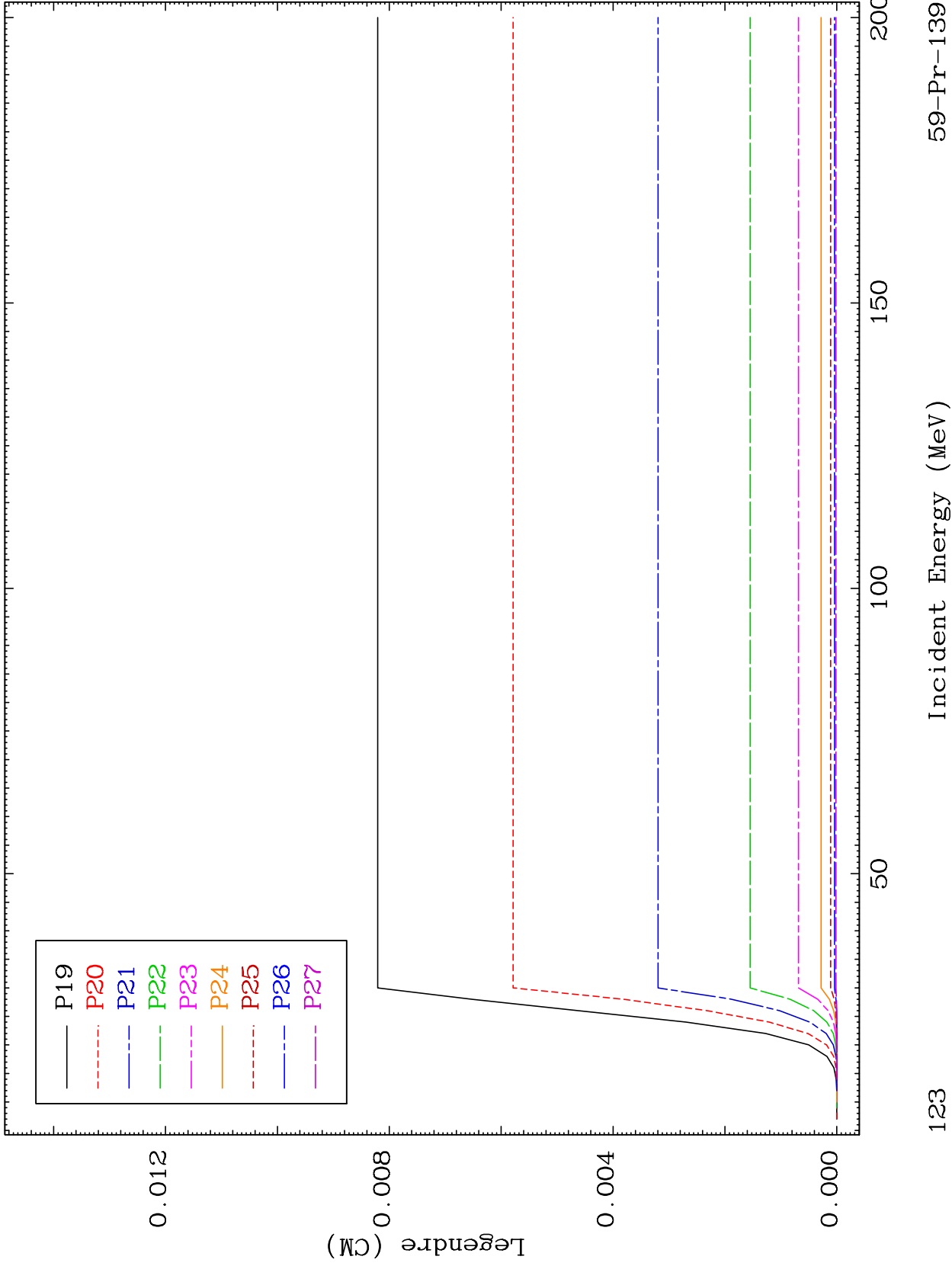
59-Pr-139



122

Incident Energy (MeV)

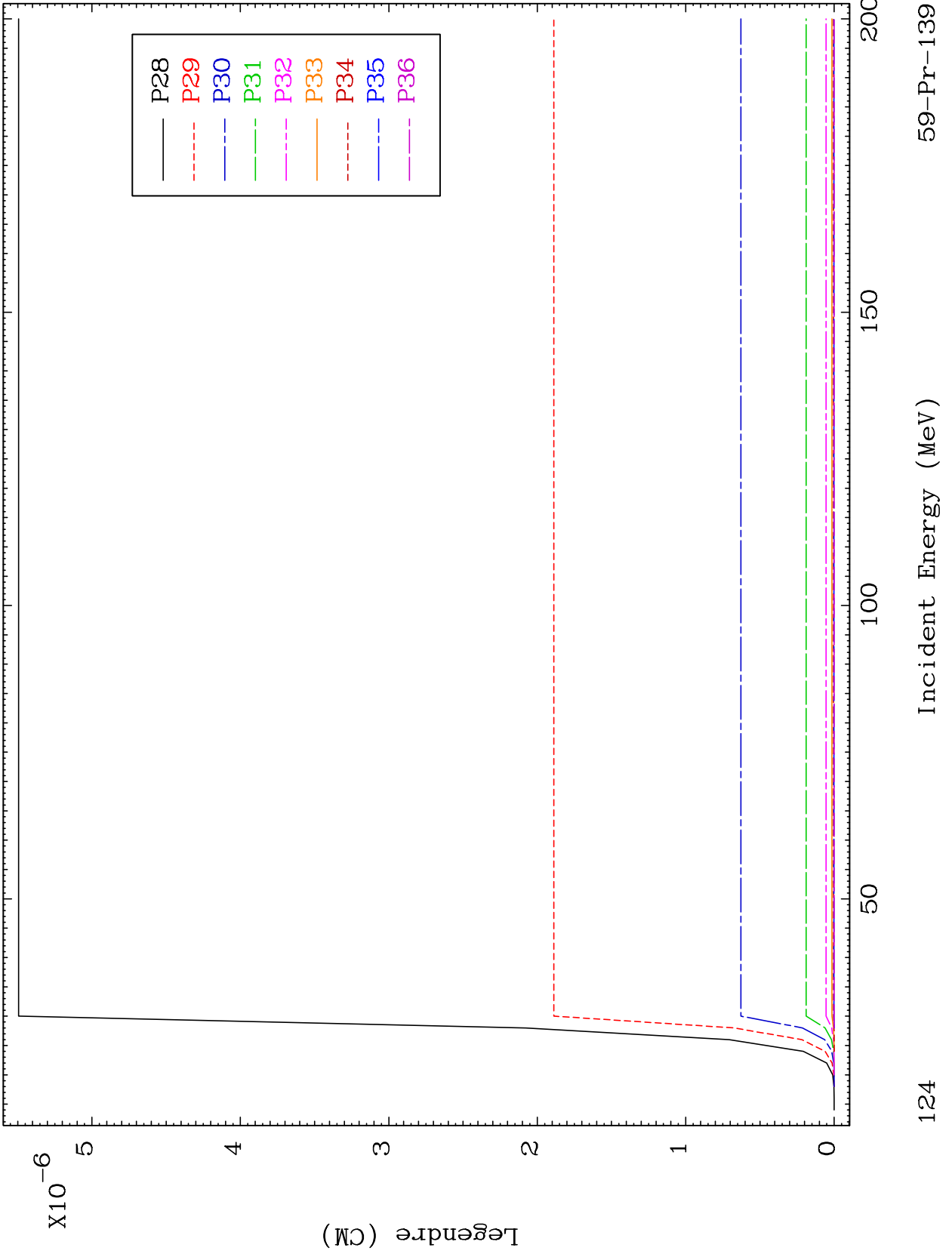
59-Pr-139



MAT 5919

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

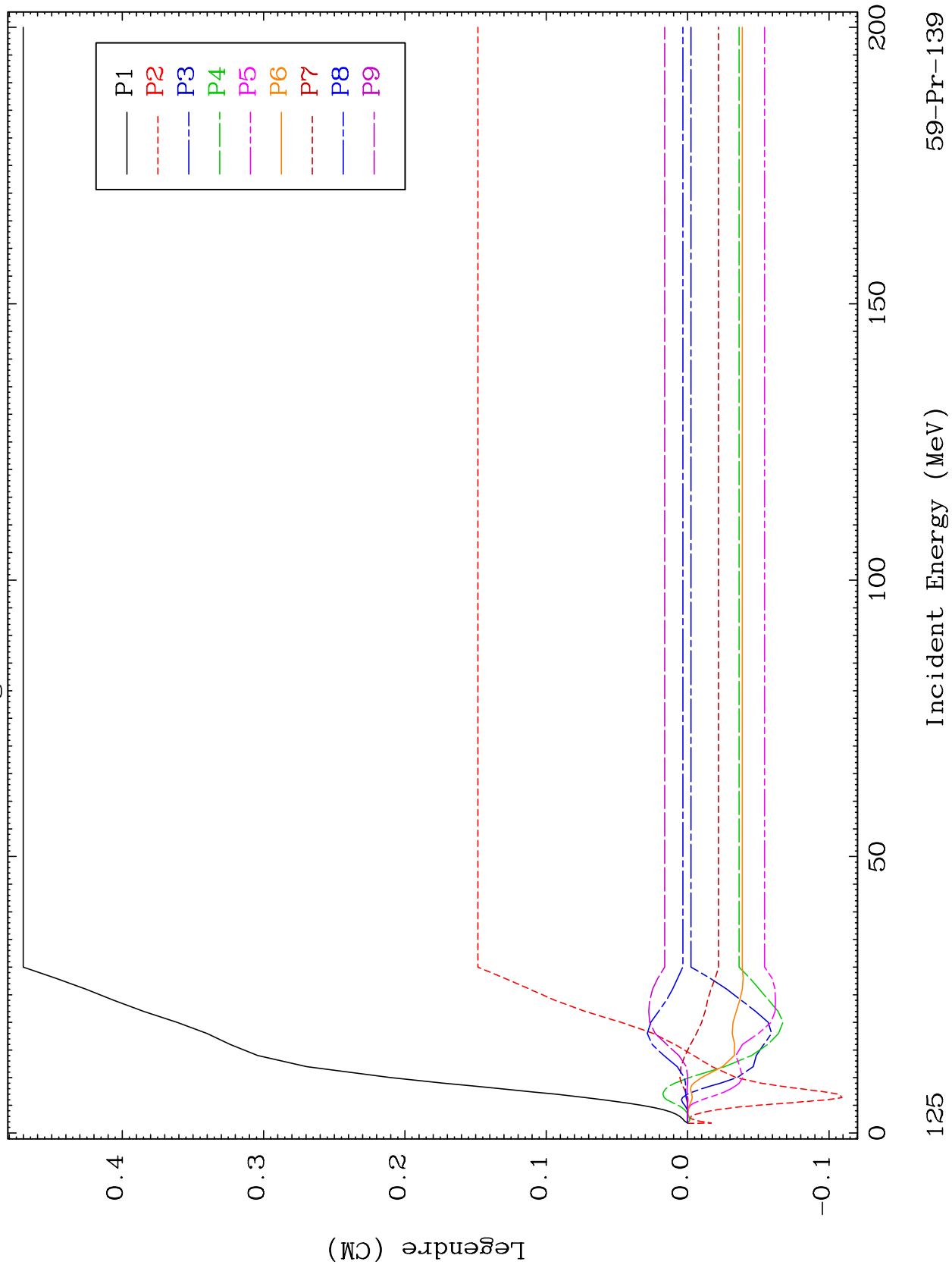
59-Pr-139



MAT 5919

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

59-Pr-139



59-Pr-139

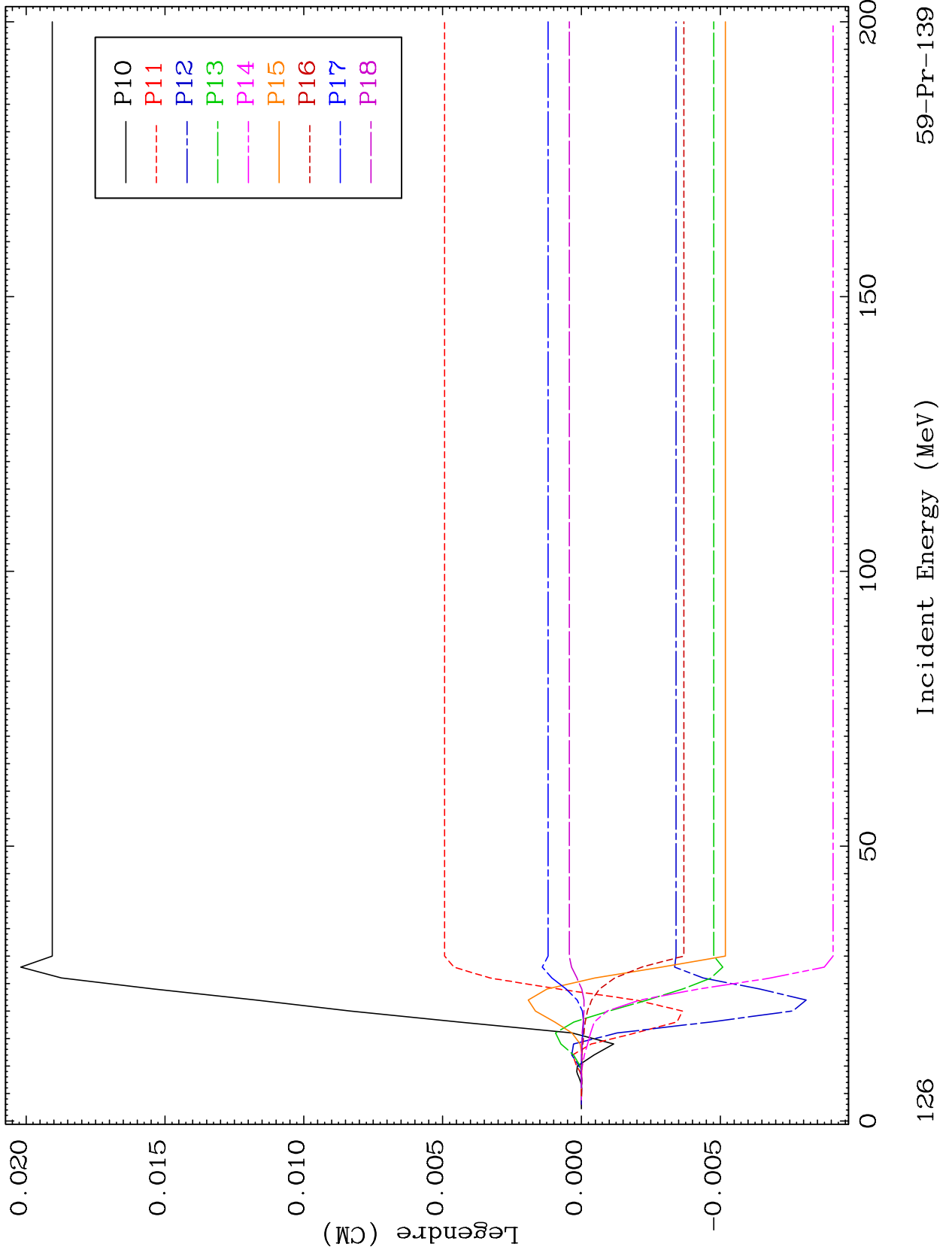
Incident Energy (MeV)

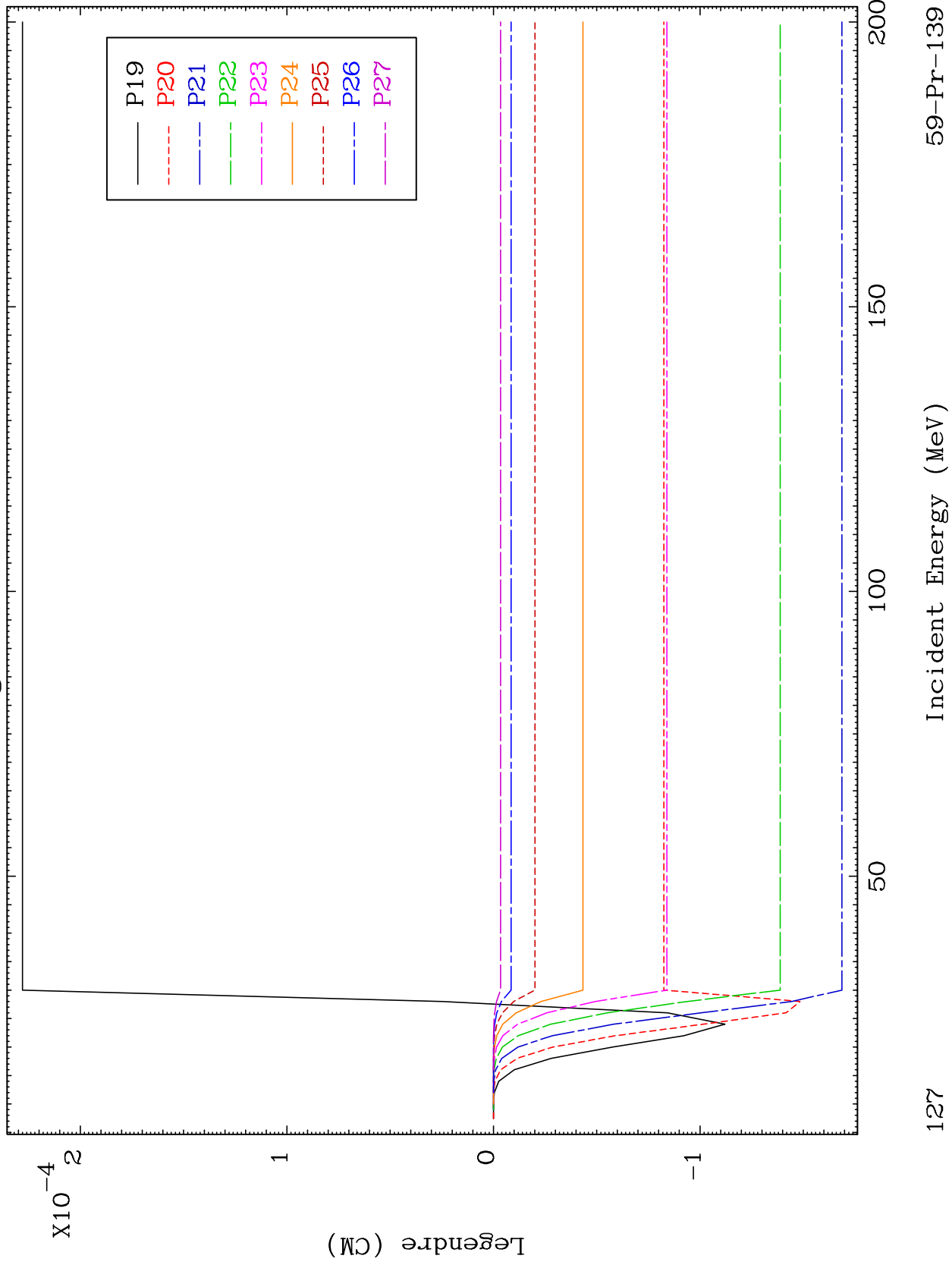
125

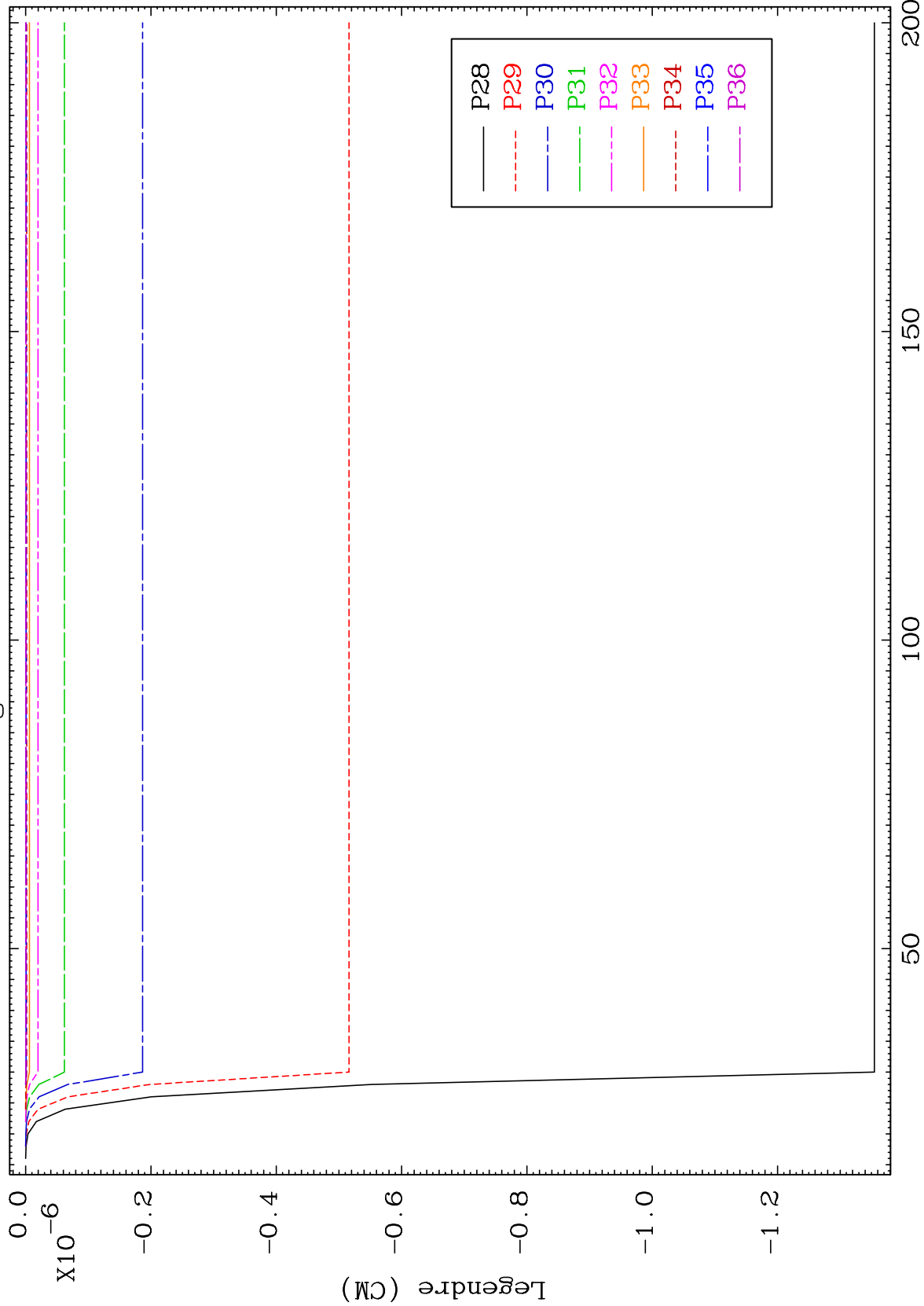
MAT 5919

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

59-Pr-139



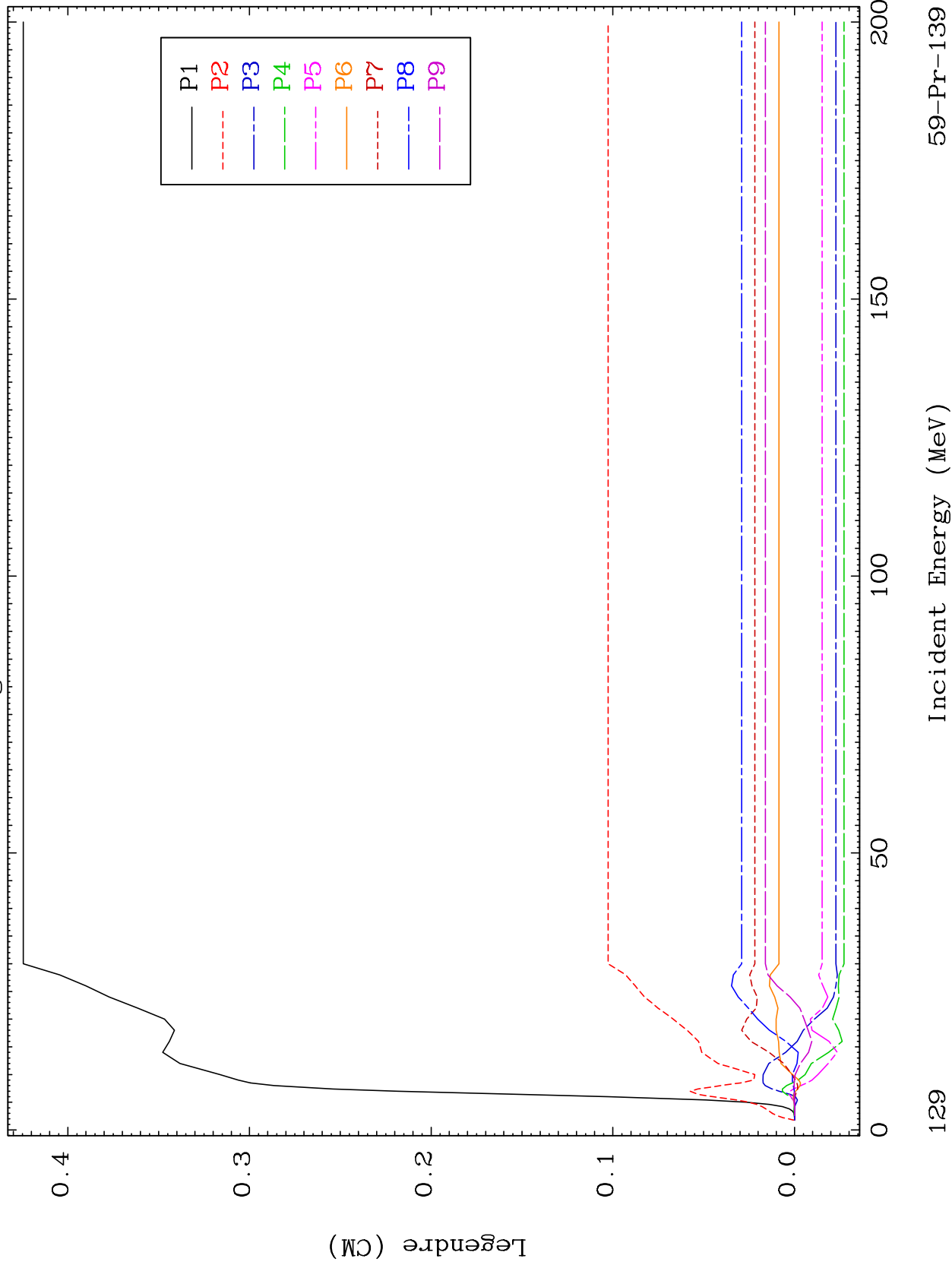




MAT 5919

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

59-Pr-139



59-Pr-139

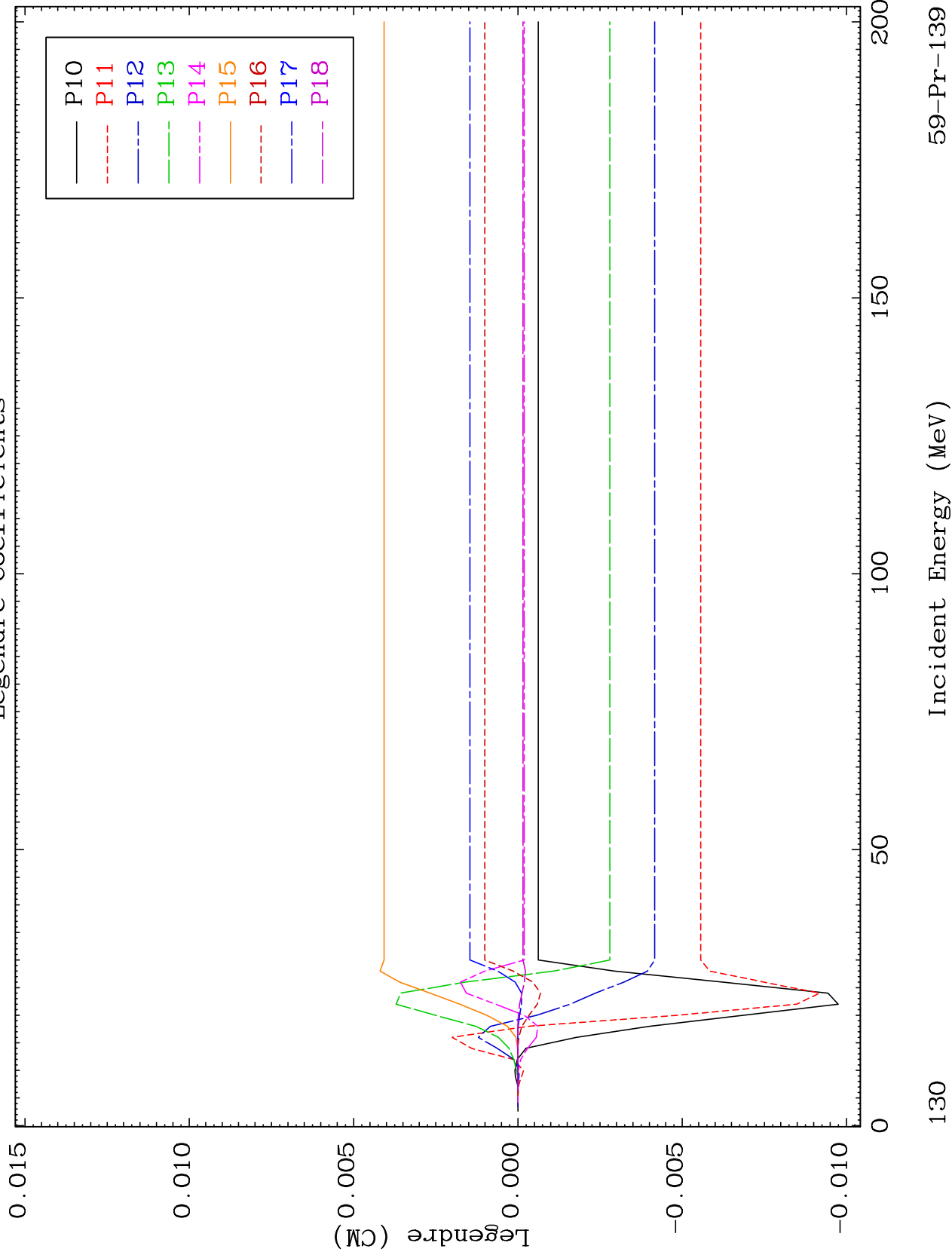
Incident Energy (MeV)

129

MAT 5919

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

59-Pr-139



130

Incident Energy (MeV)

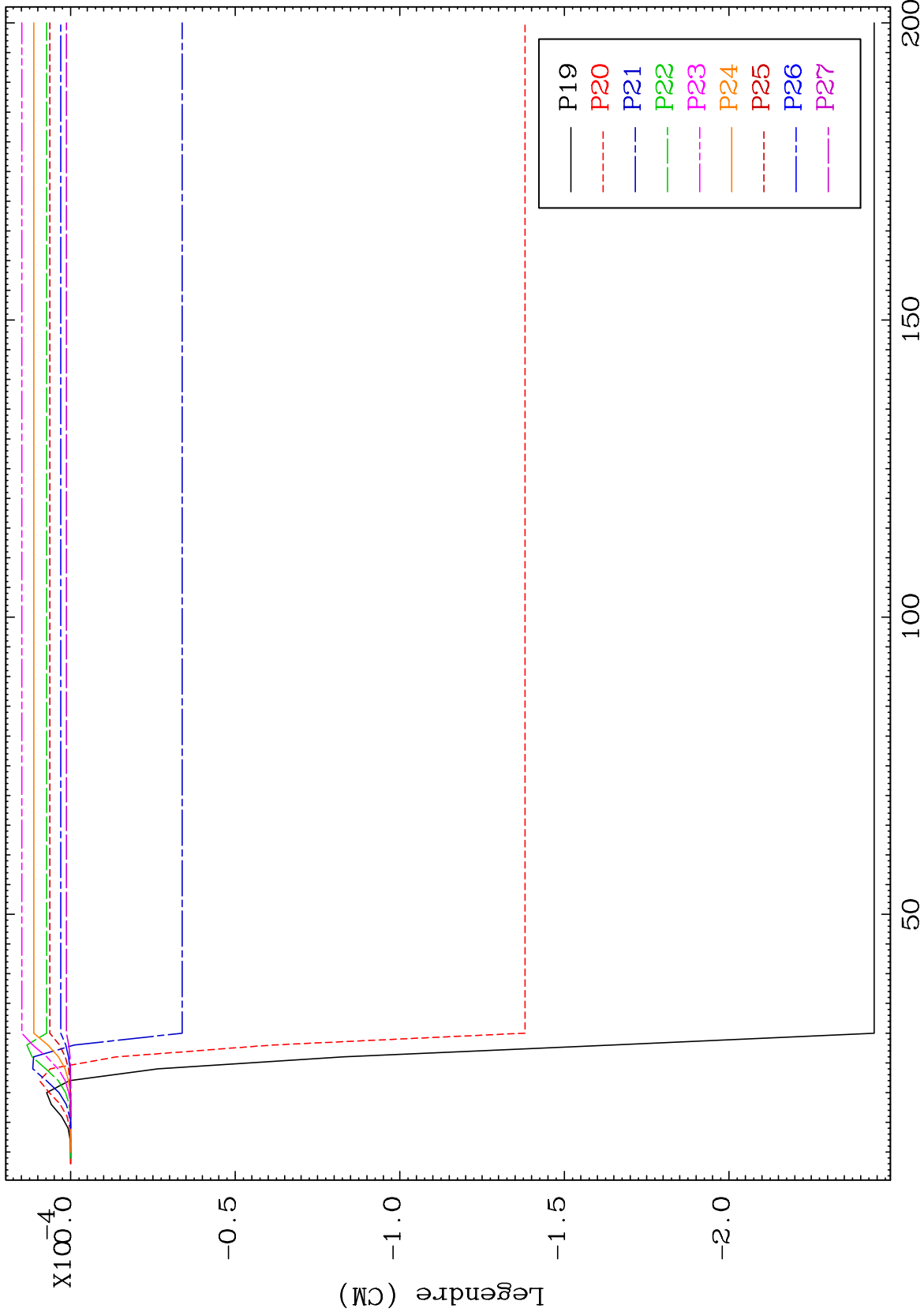
59-Pr-139

MAT 5919

MT= 78 (n,n') Level

59-Pr-139

Legendre Coefficients



131

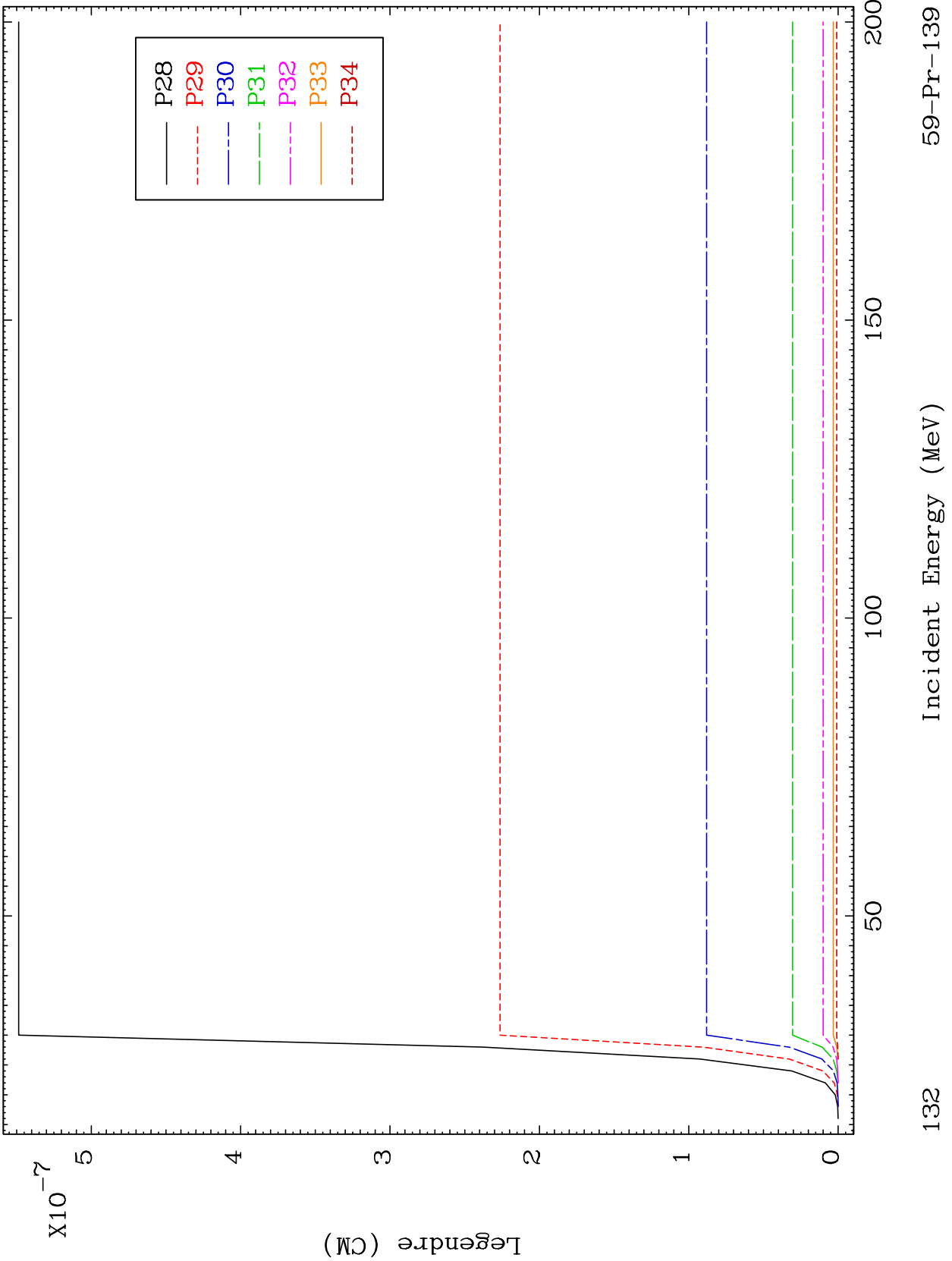
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



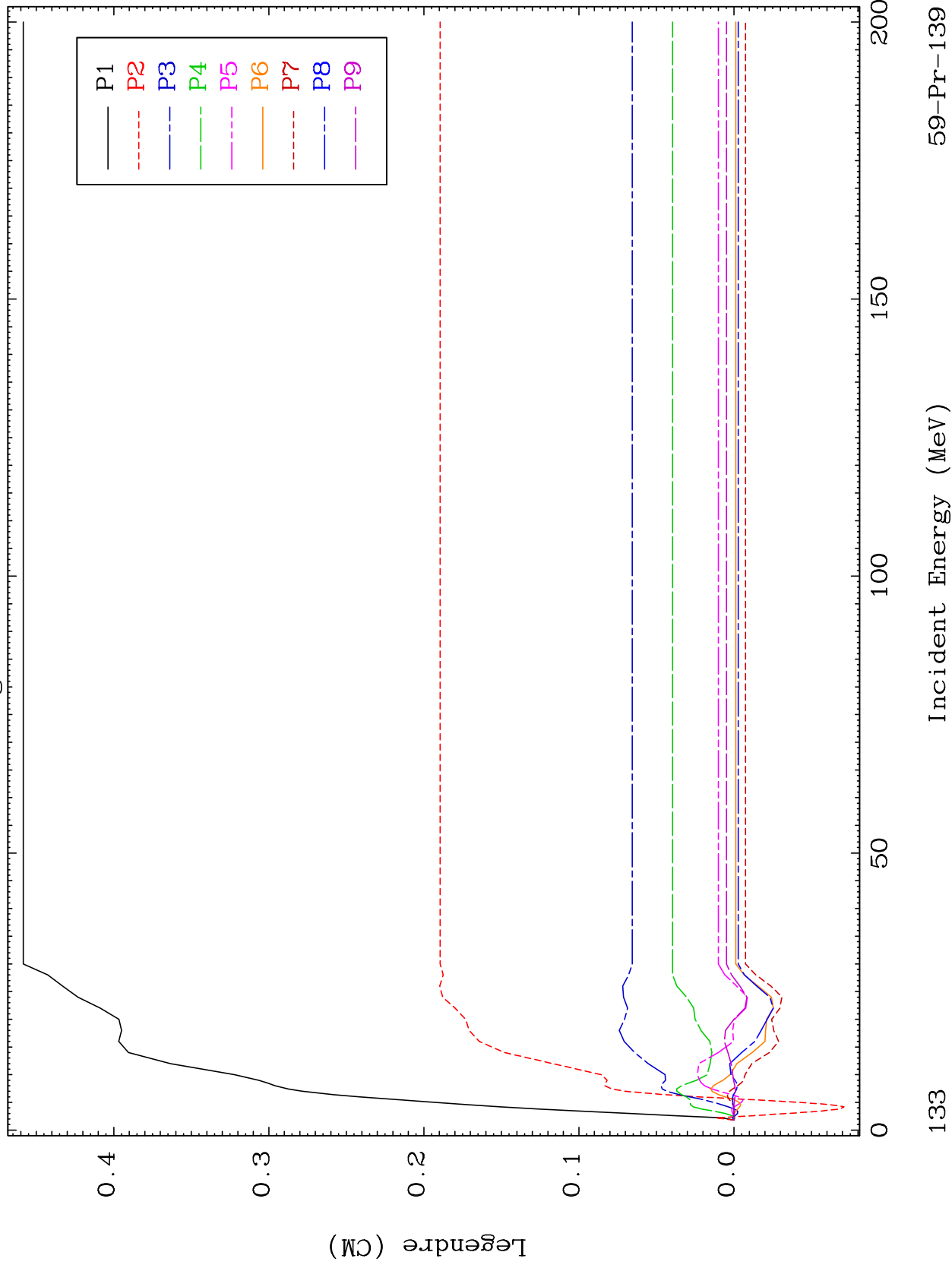
132

59-Pr-139

MAT 5919

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

59-Pr-139



59-Pr-139

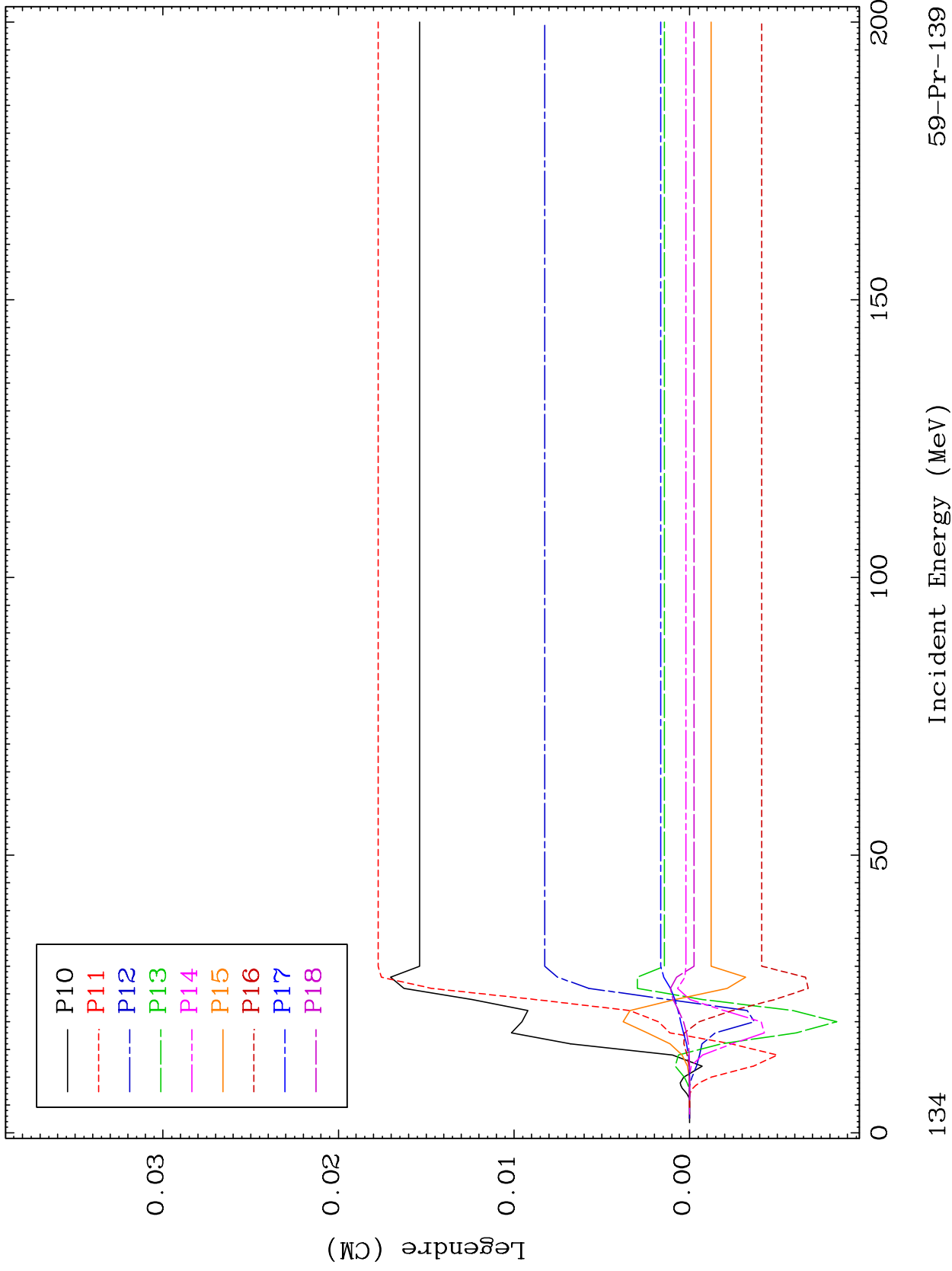
Incident Energy (MeV)

133

MAT 5919

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

59-Pr-139



134

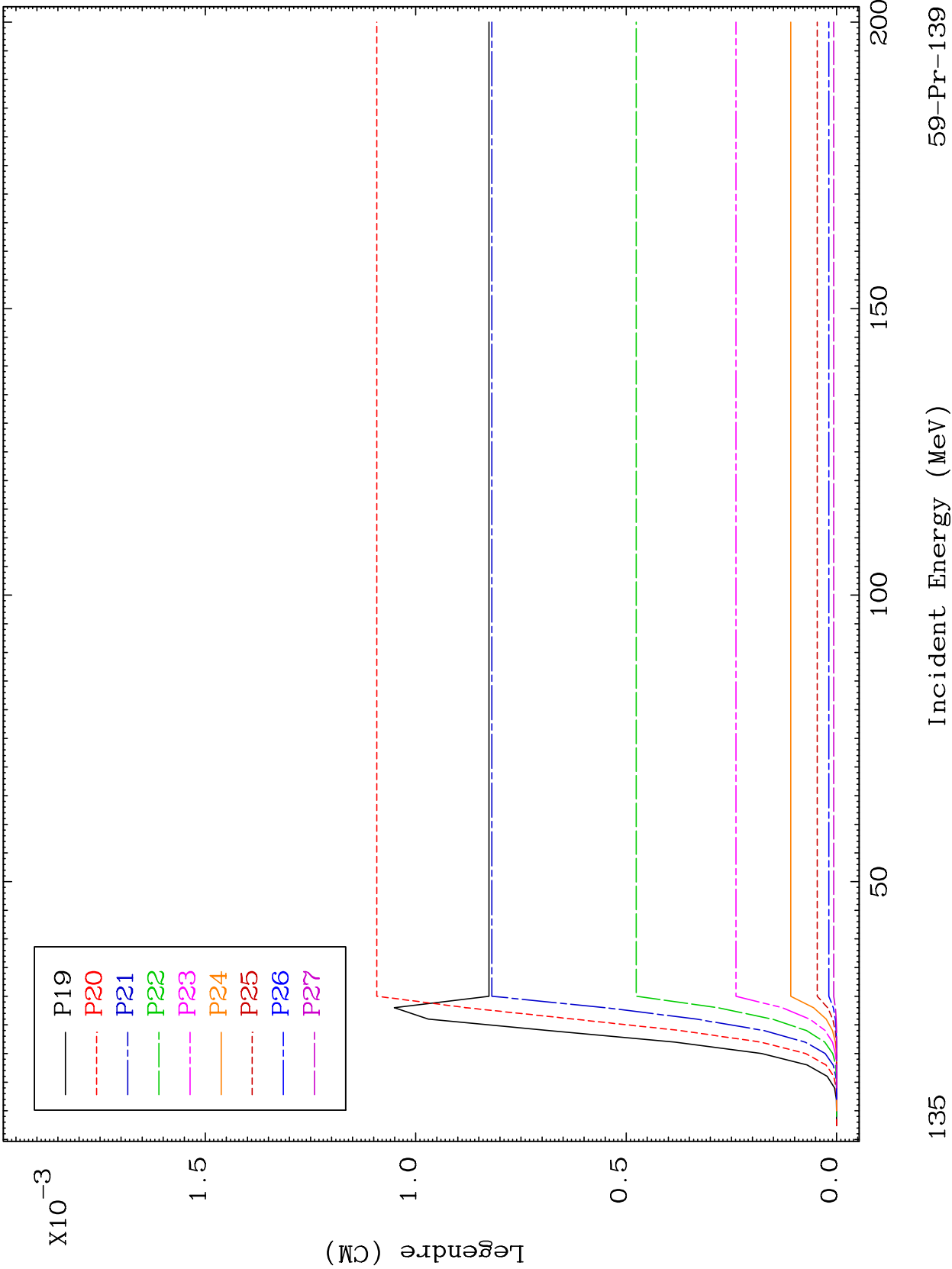
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



135

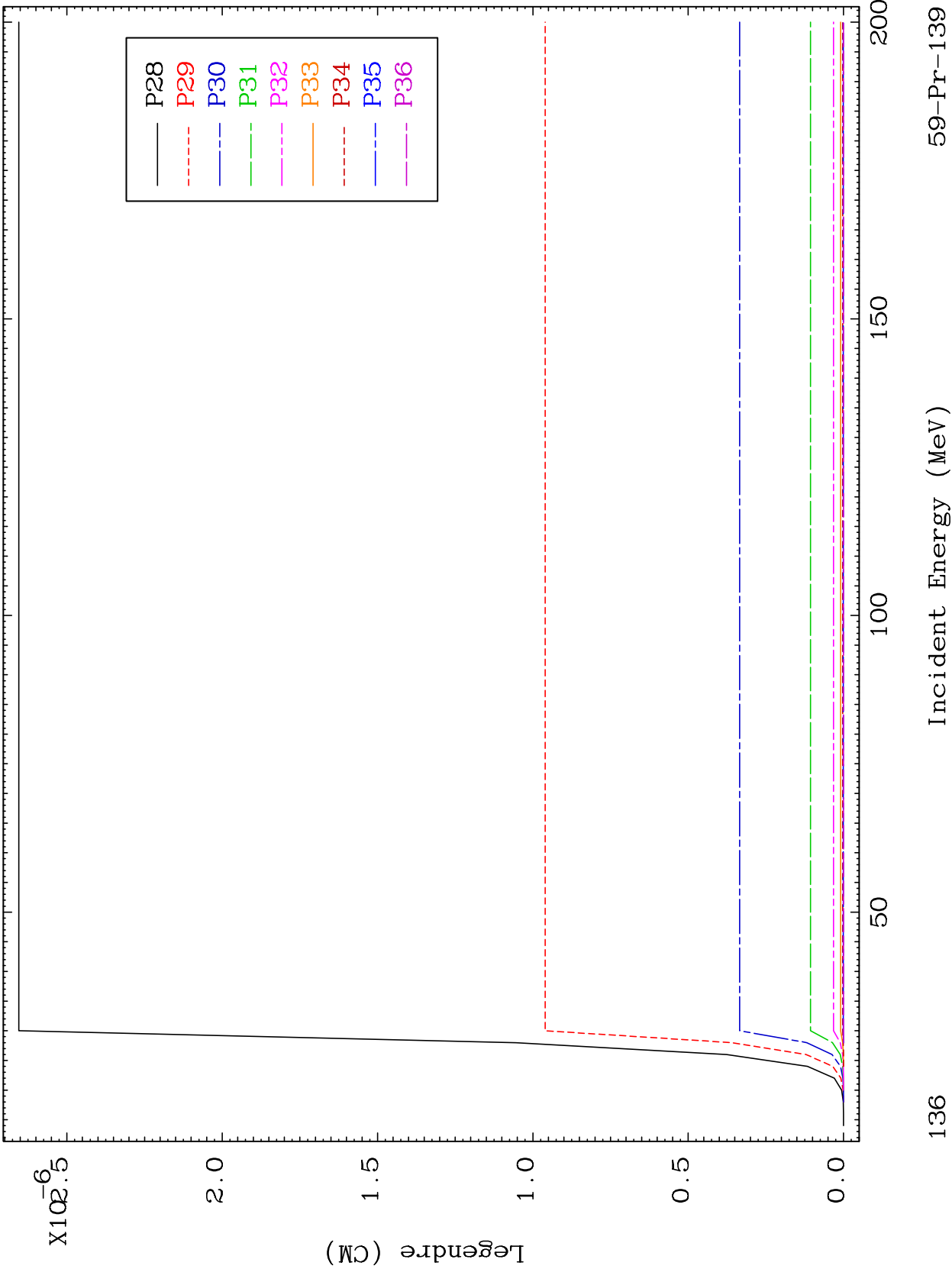
Incident Energy (MeV)

59-Pr-139

MAT 5919

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

59-Pr-139



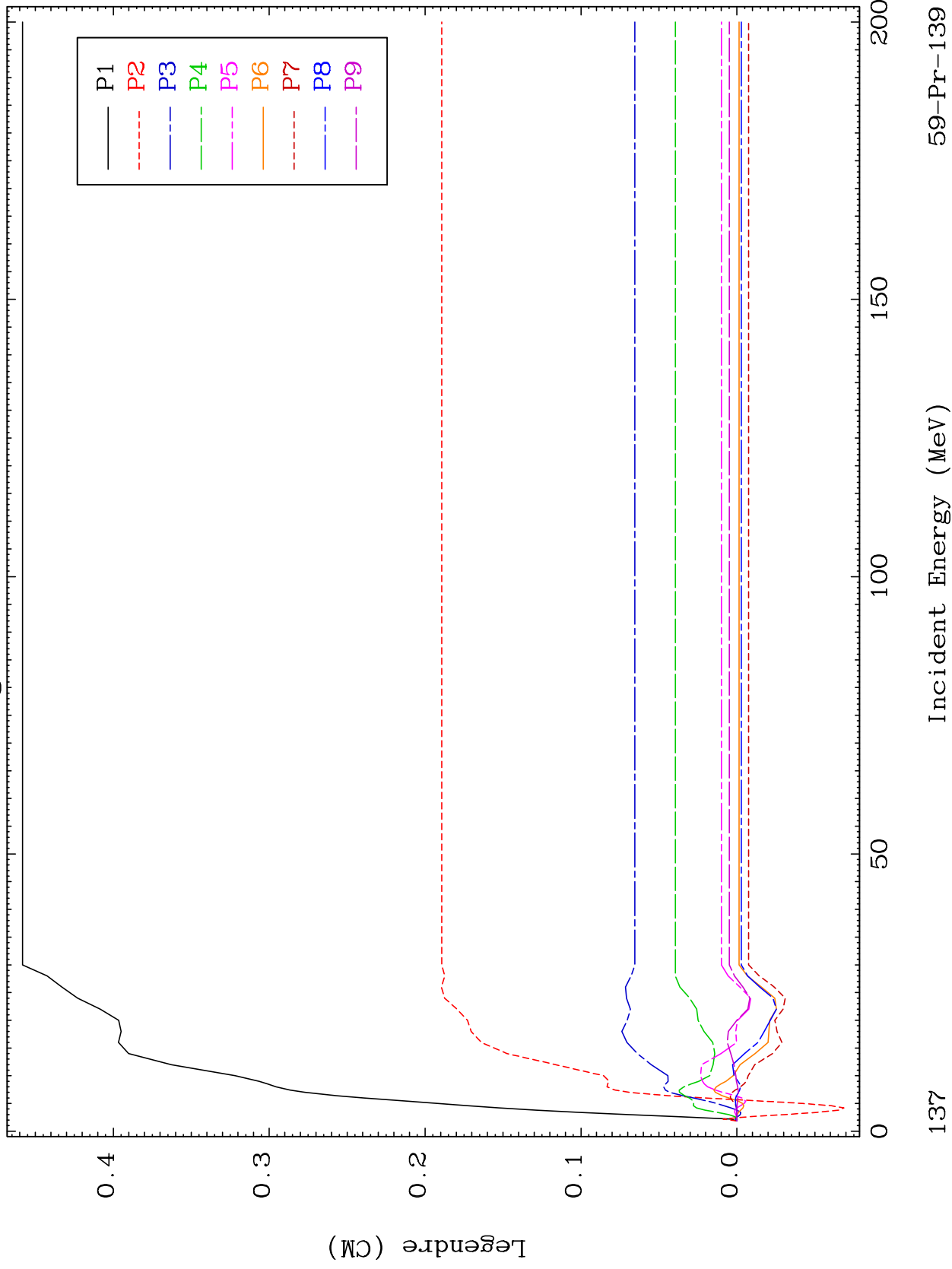
136

59-Pr-139

MAT 5919

MT= 80 (n,n') Level
Legendre Coefficients

59-Pr-139



59-Pr-139

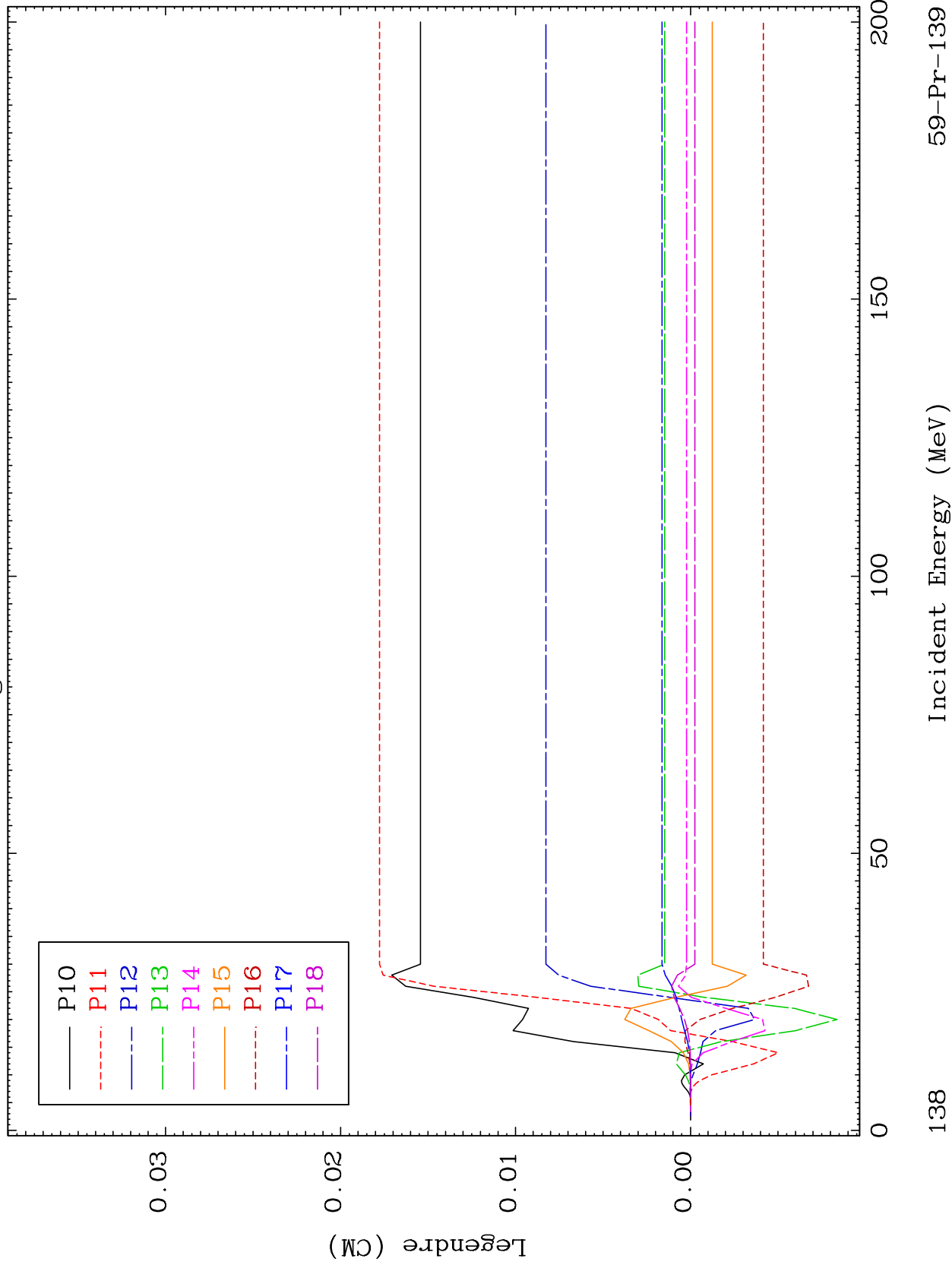
Incident Energy (MeV)

137

MAT 5919

MT= 80 (n,n') Level
Legendre Coefficients

59-Pr-139



138

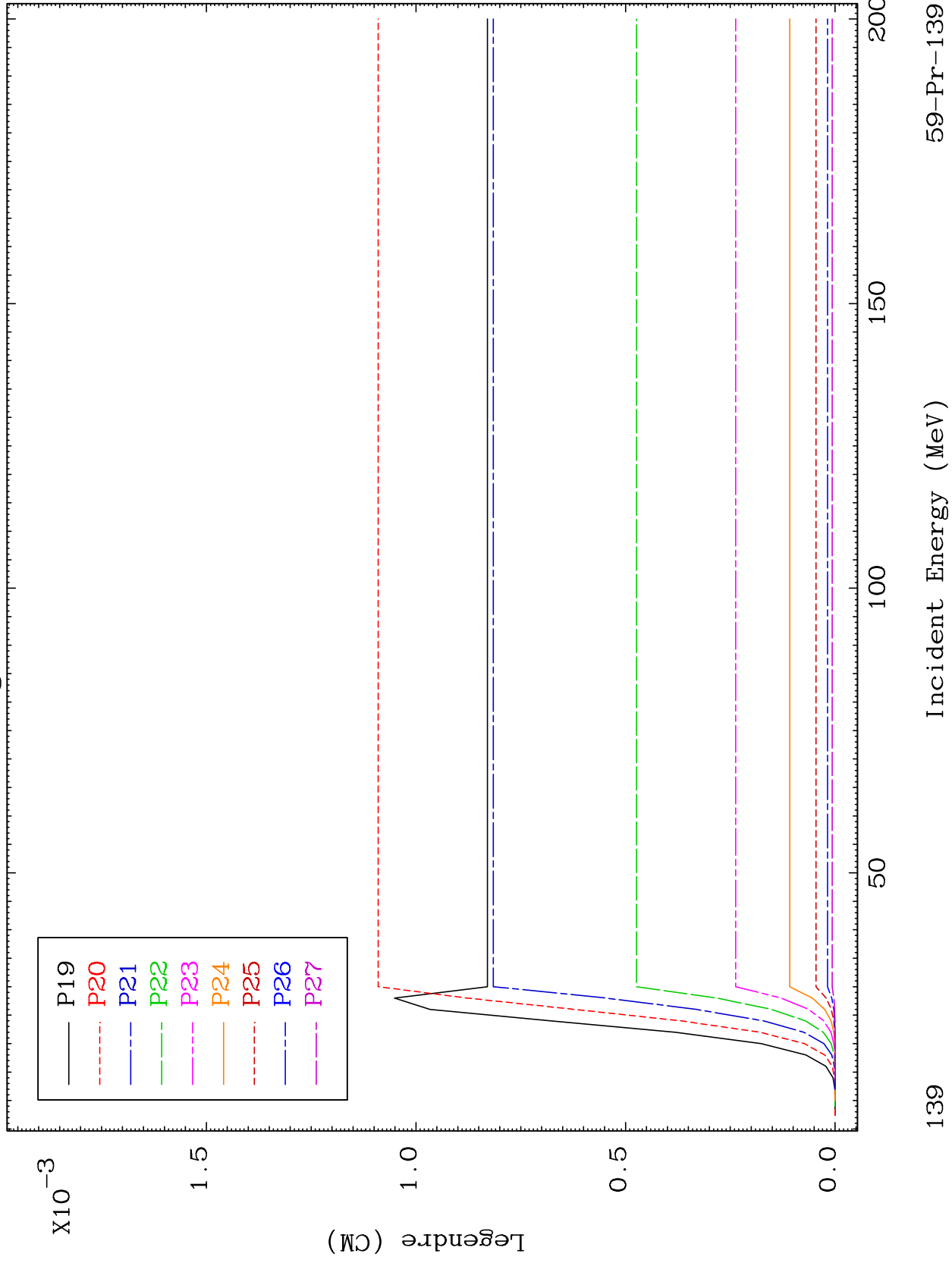
Incident Energy (MeV)

59-Pr-139

MAT 5919

MT= 80 (n,n') Level
Legendre Coefficients

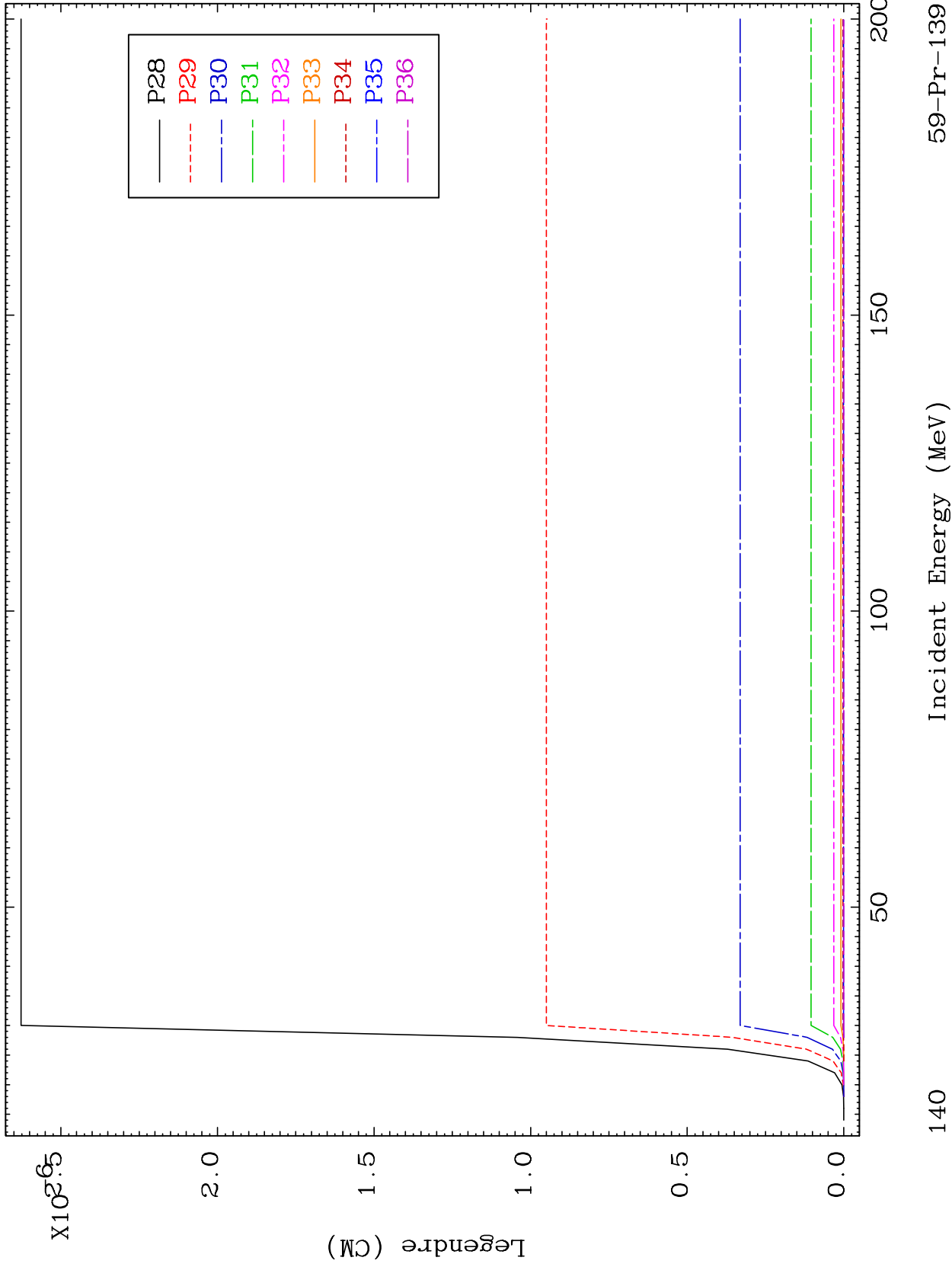
59-Pr-139



MAT 5919

MT= 80 (n,n') Level
Legendre Coefficients

59-Pr-139



140

Incident Energy (MeV)

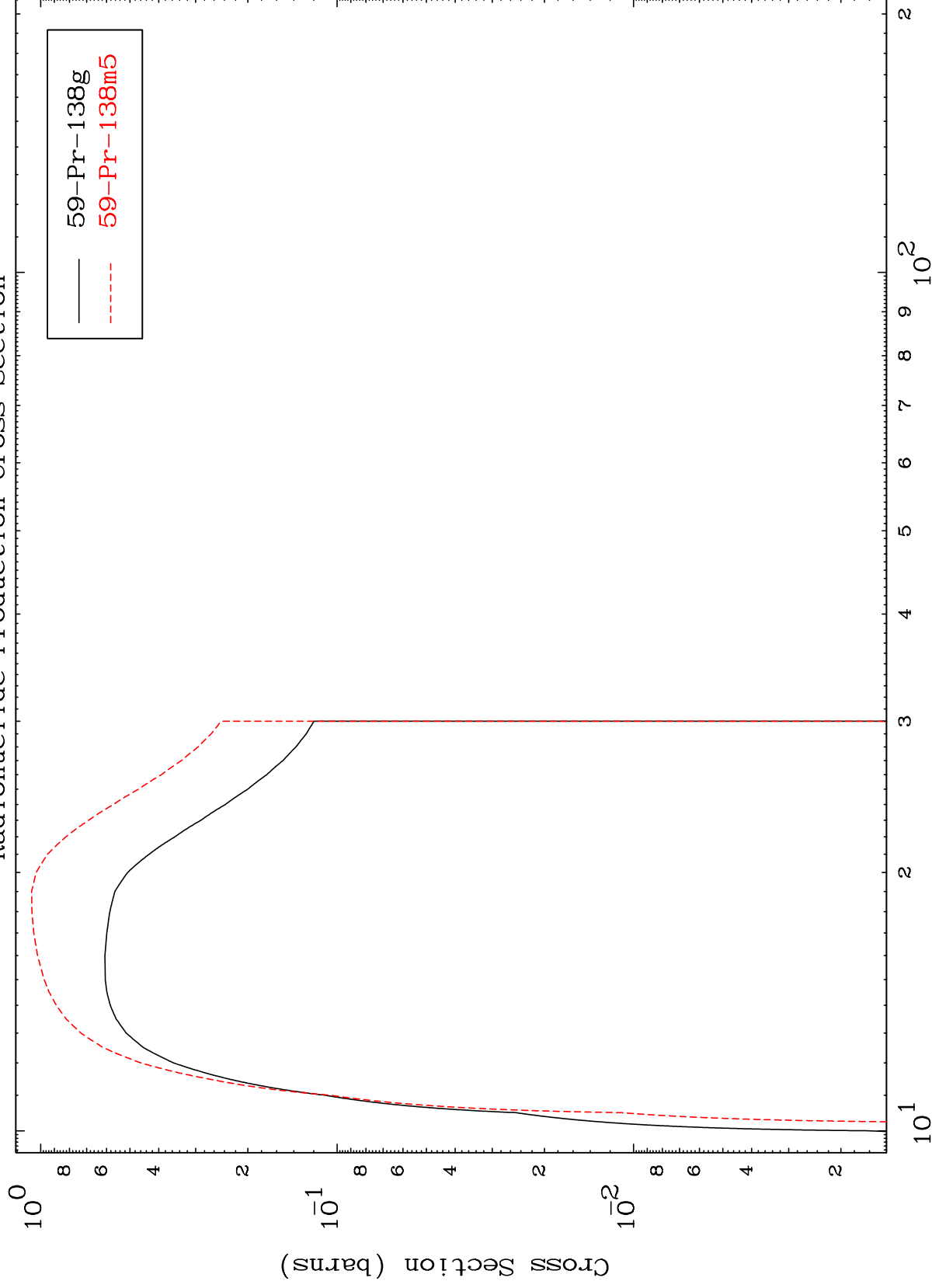
59-Pr-139

MAT 5919

(n,2n)

59-Pr-139

Radionuclide Production Cross Section



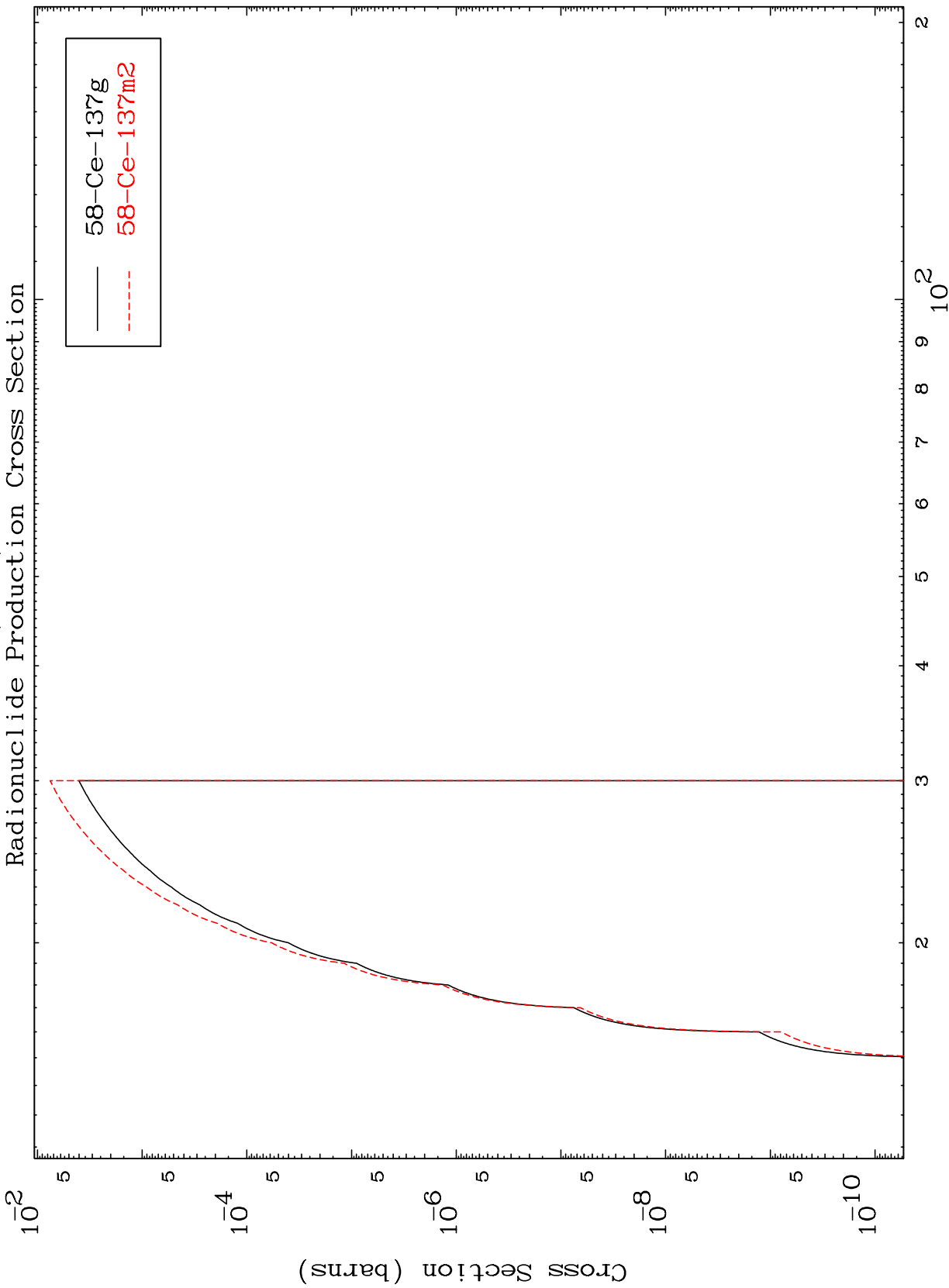
59-Pr-138g
59-Pr-138m5

141

Incident Energy (MeV)

59-Pr-139

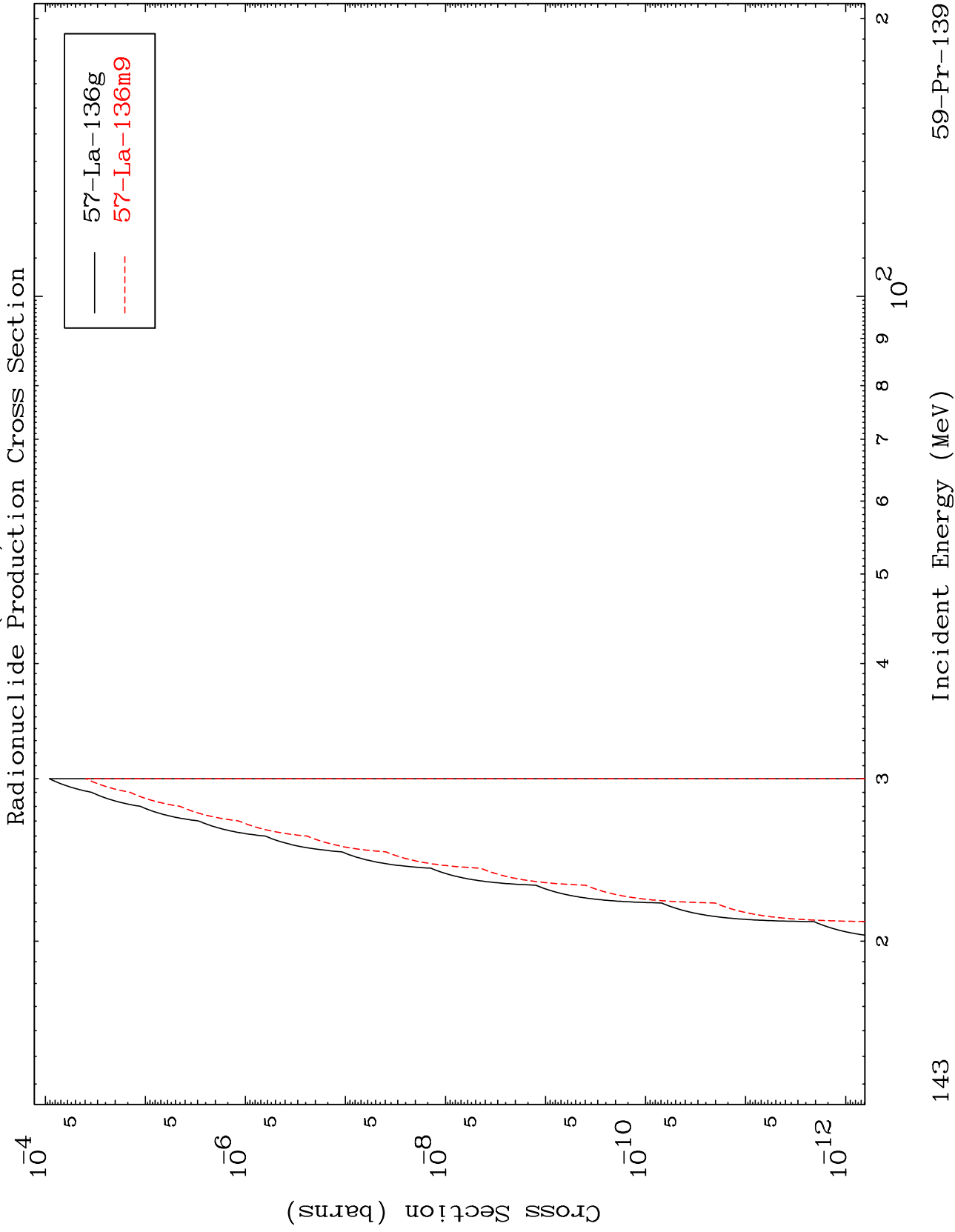
(n,n') d
Radionuclide Production Cross Section



MAT 5919

(n,n') He-3

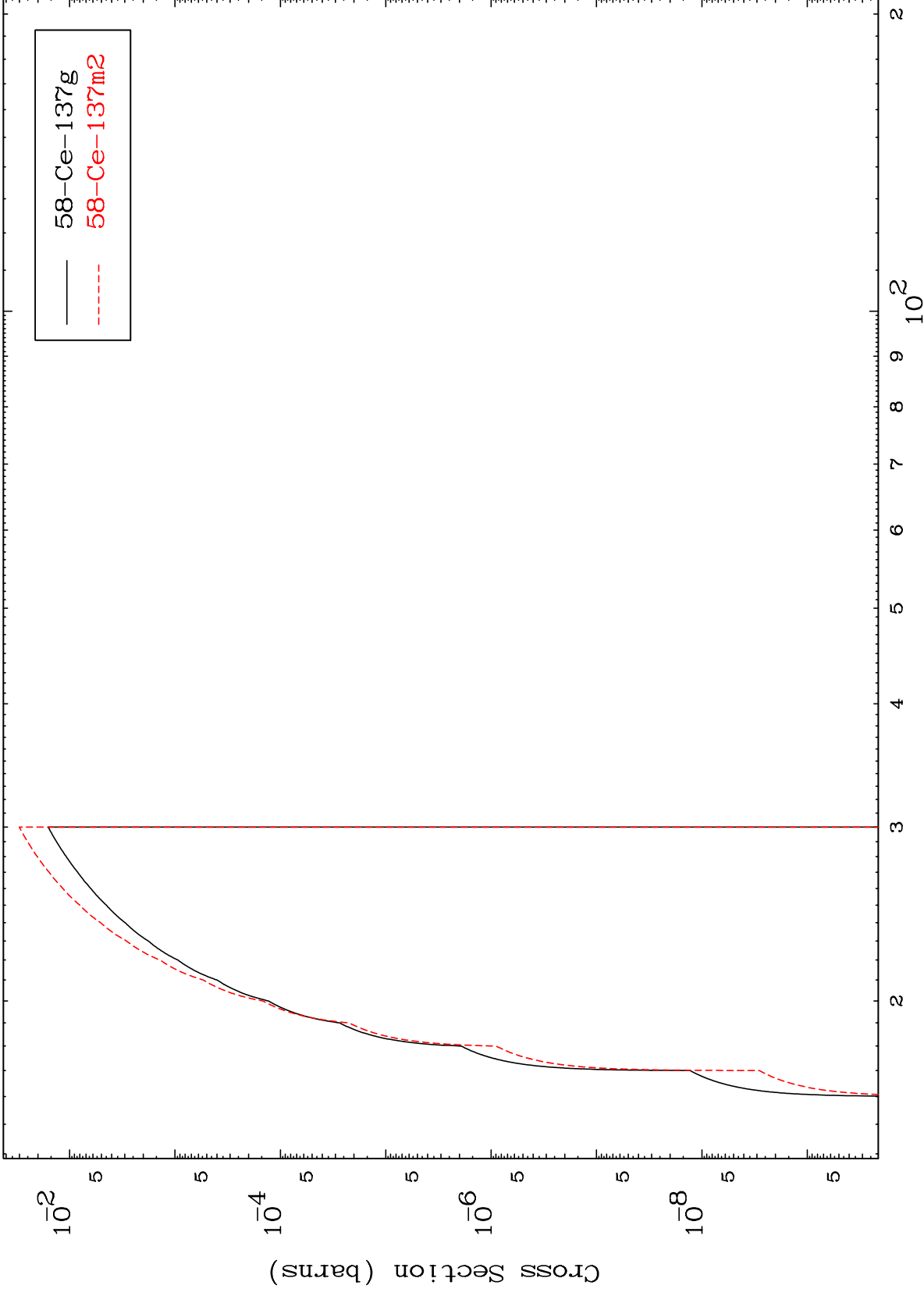
59-Pr-139



143

59-Pr-139

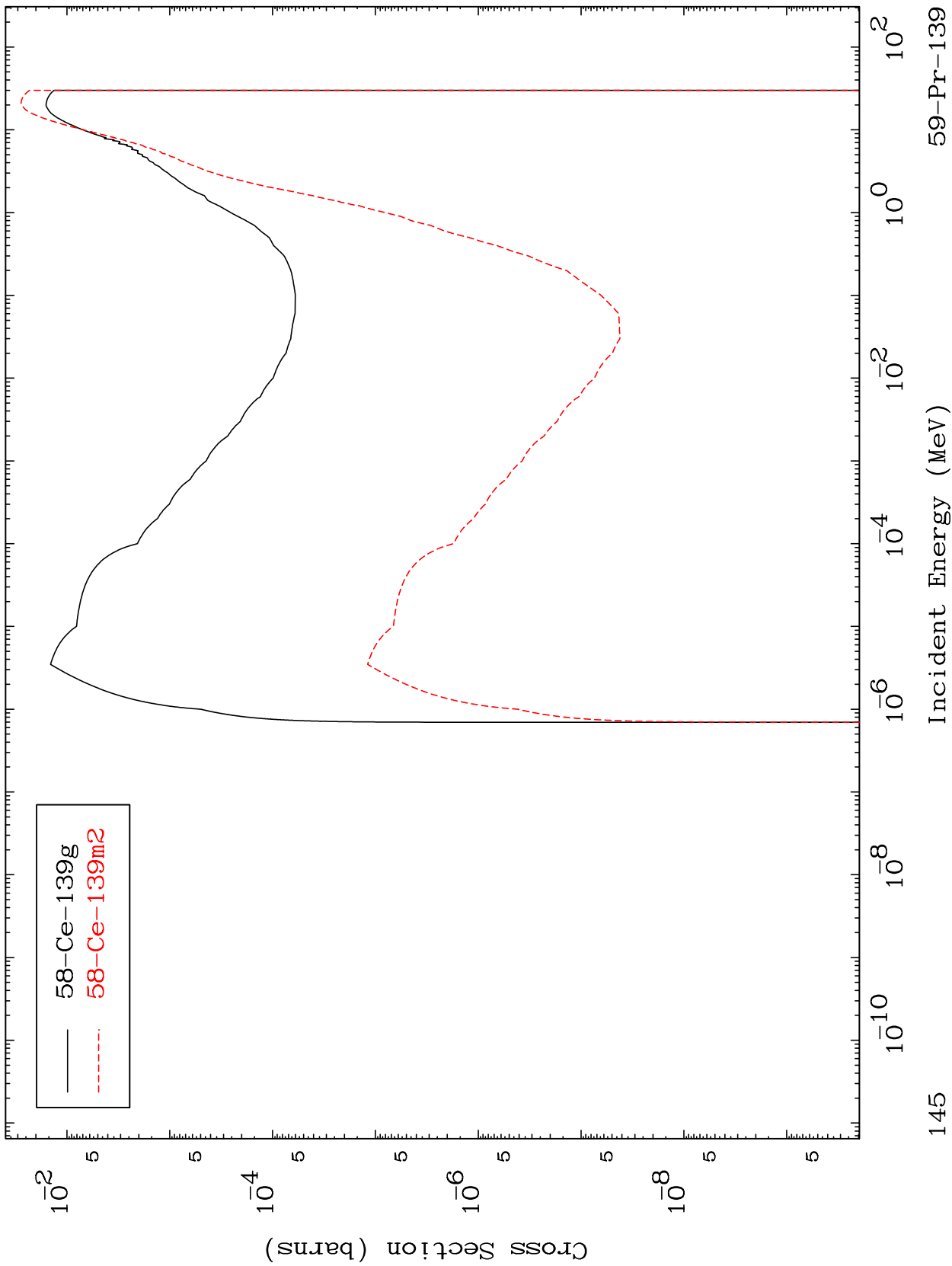
Radionuclide Production Cross Section



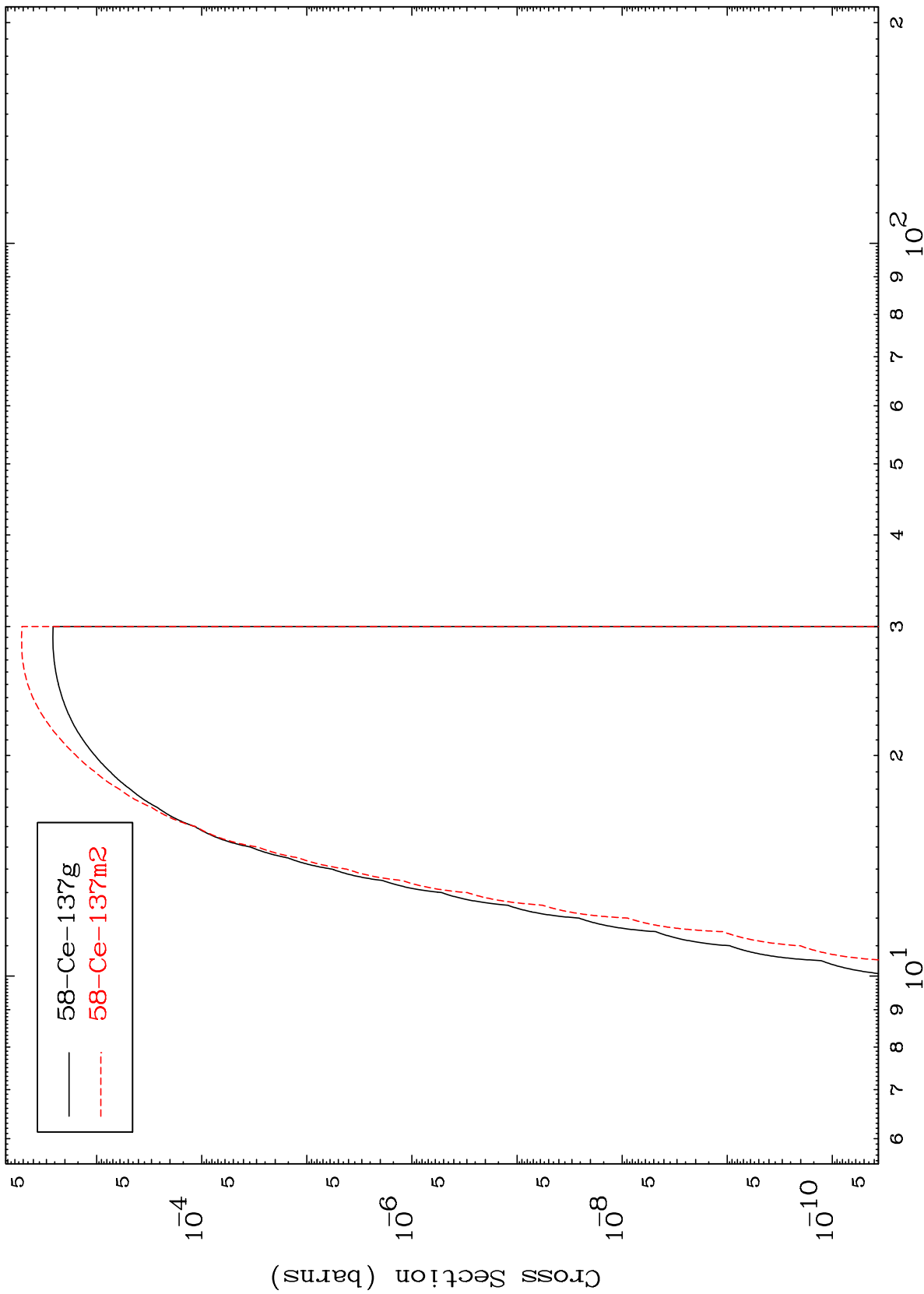
MAT 5919

59-Pr-139

(n,p)
Radionuclide Production Cross Section



(n, t)
Radionuclide Production Cross Section

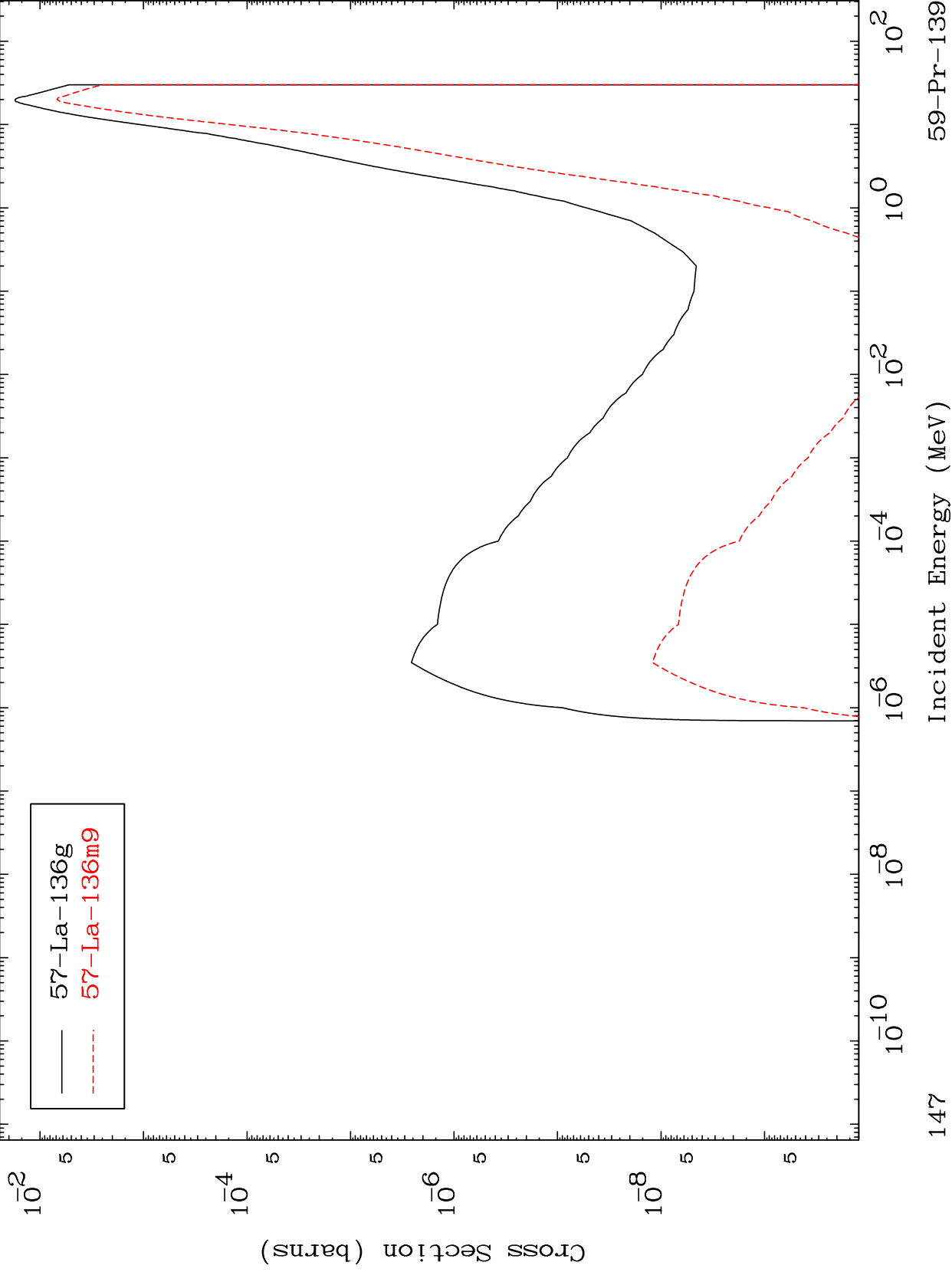


MAT 5919

(n, α)

59-Pr-139

Radionuclide Production Cross Section

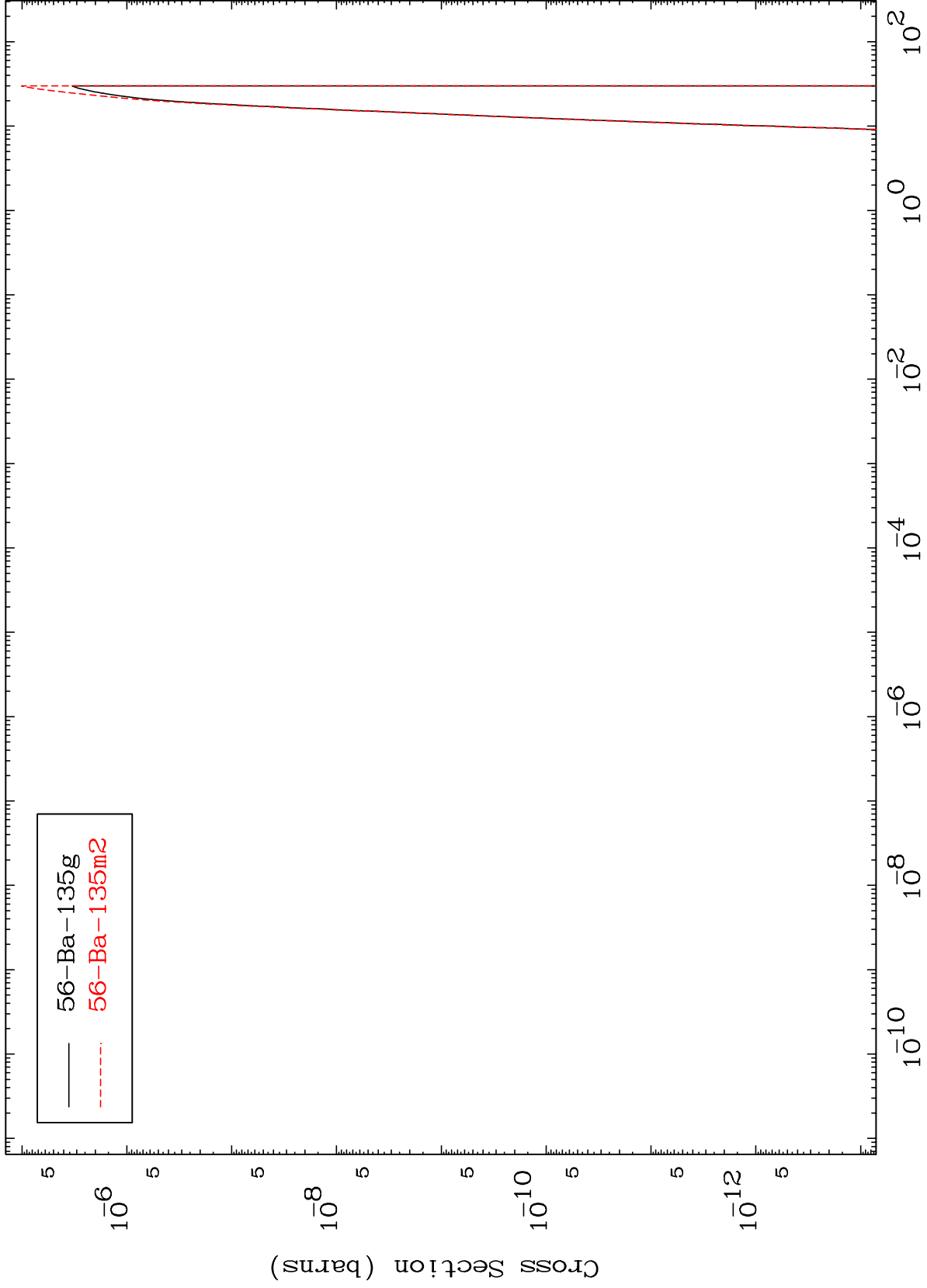


MAT 5919

(n,p) α

59-Pr-139

Radionuclide Production Cross Section



Radionuclide Production Cross Section

