

Program EVALPLOT
(Version 2018-1)

by

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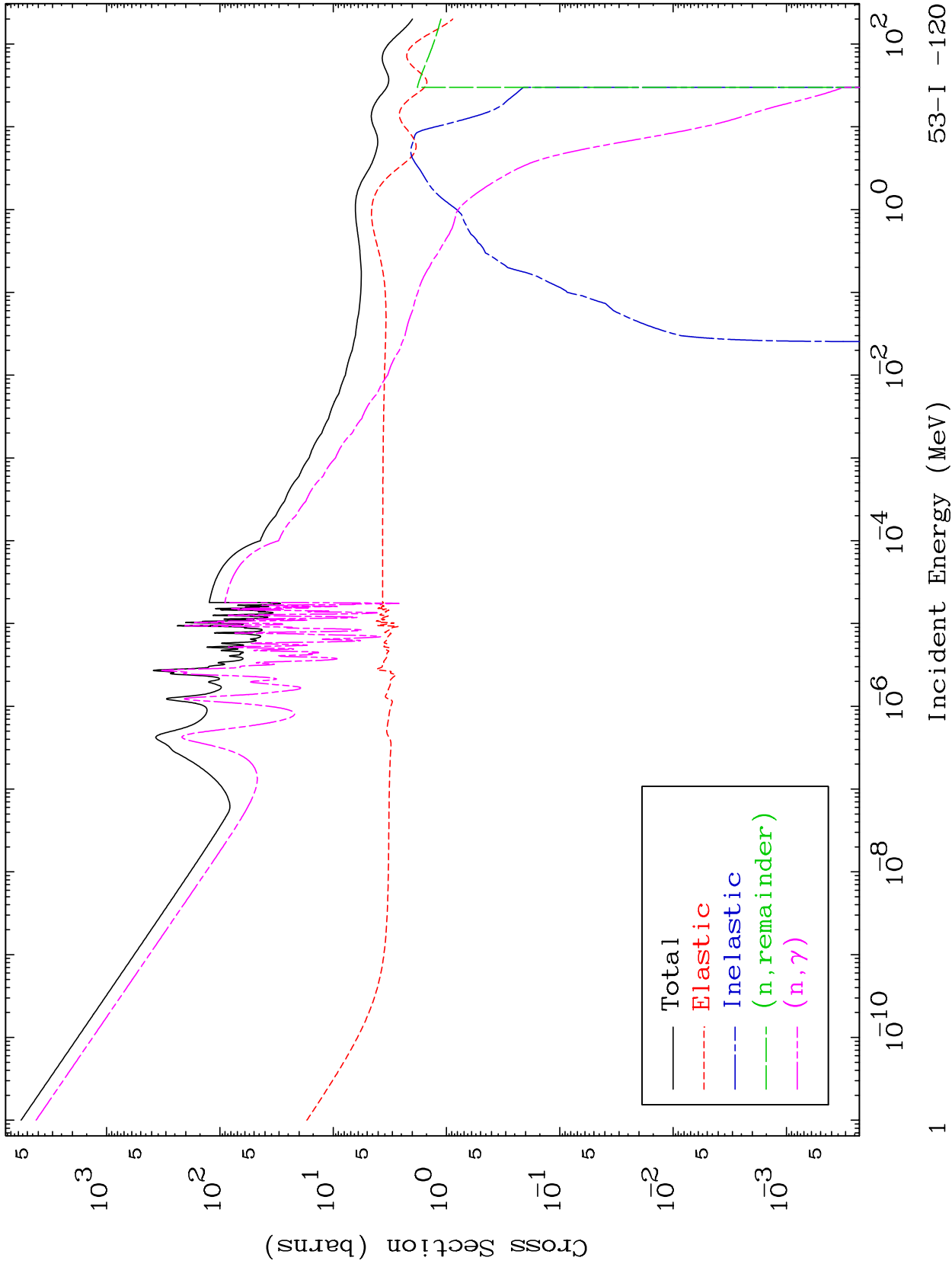
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5304

Major
293 Kelvin Cross Sections

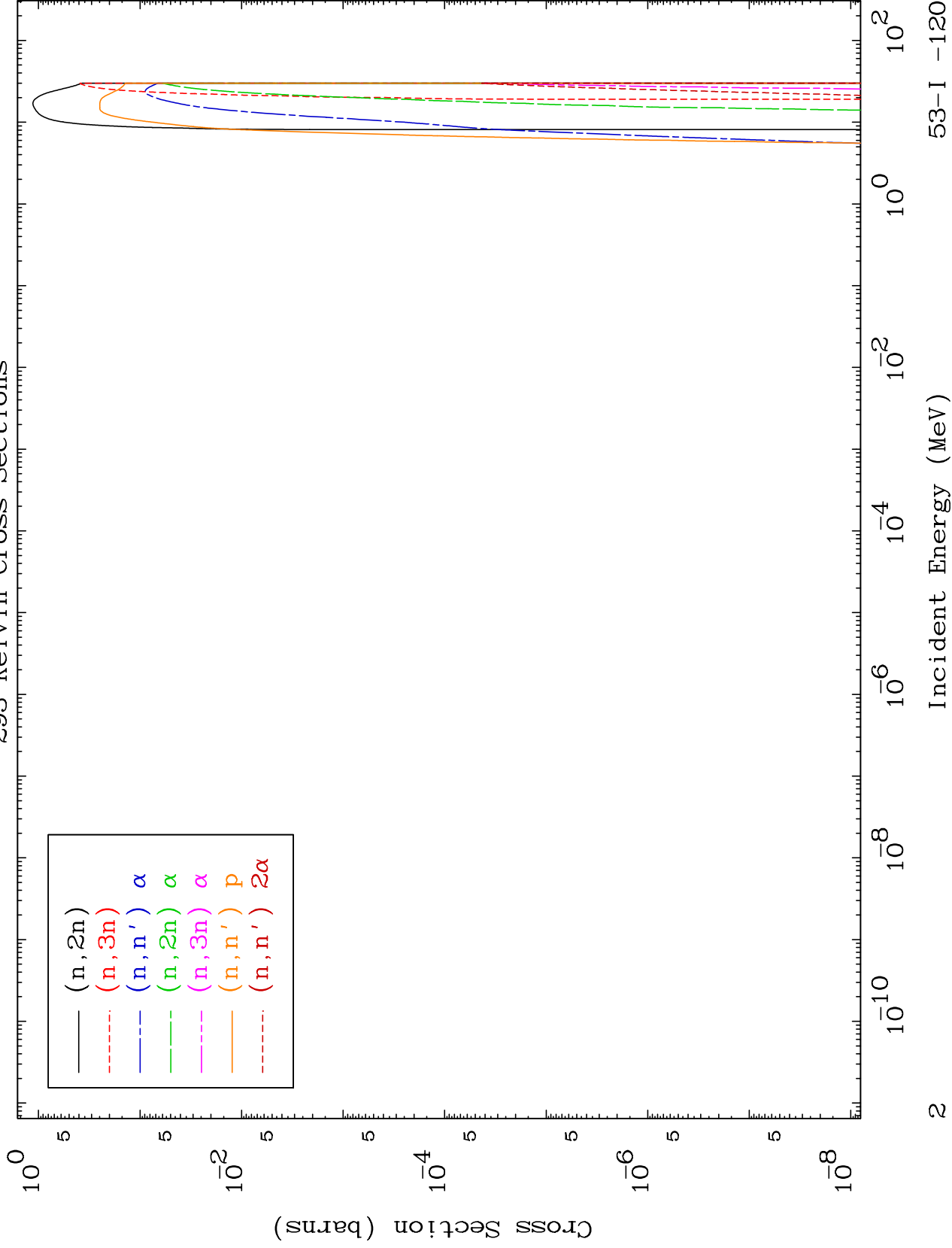
53-I -120

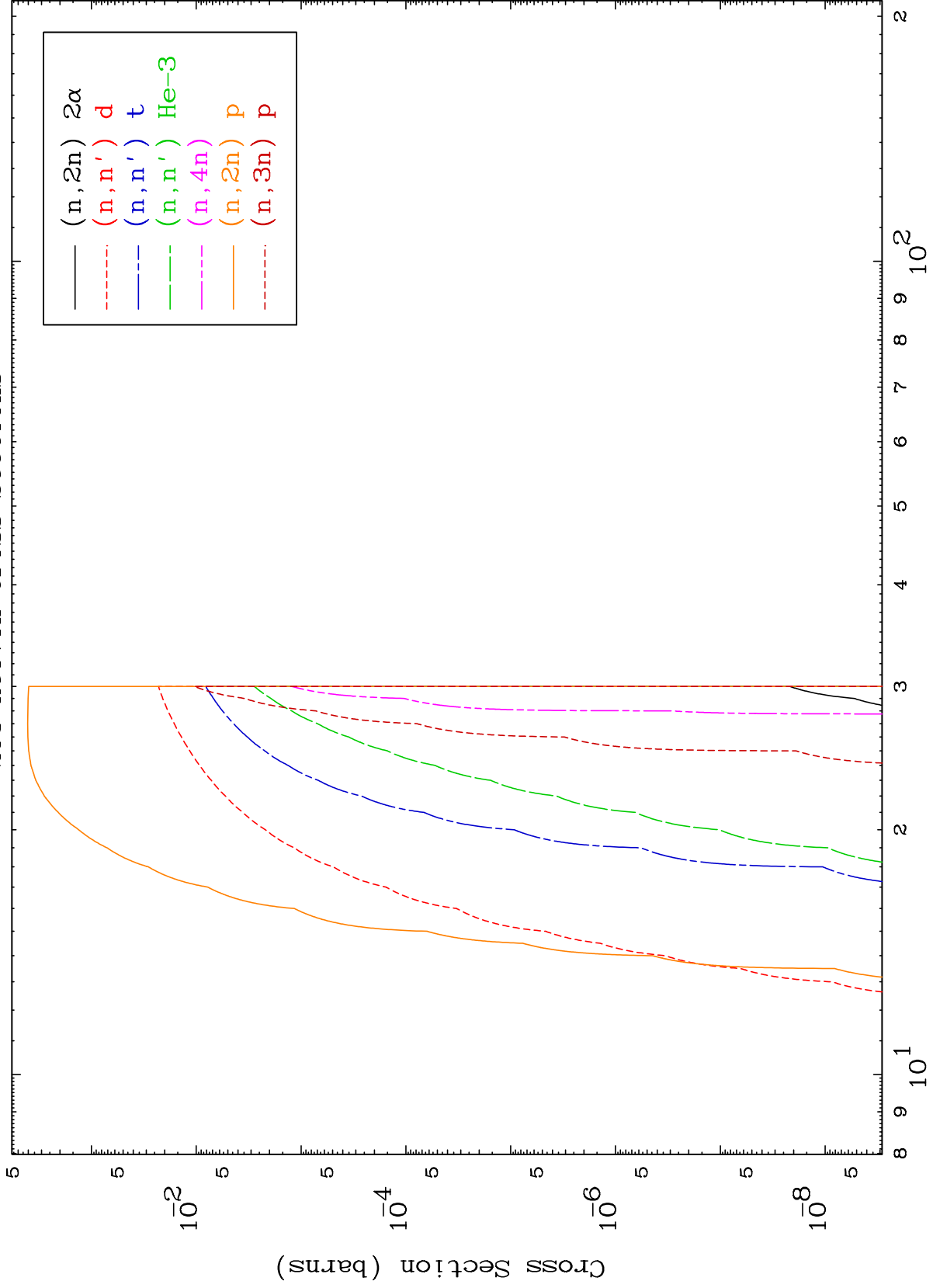


MAT 5304

Neutron Production
293 Kelvin Cross Sections

53-I -120

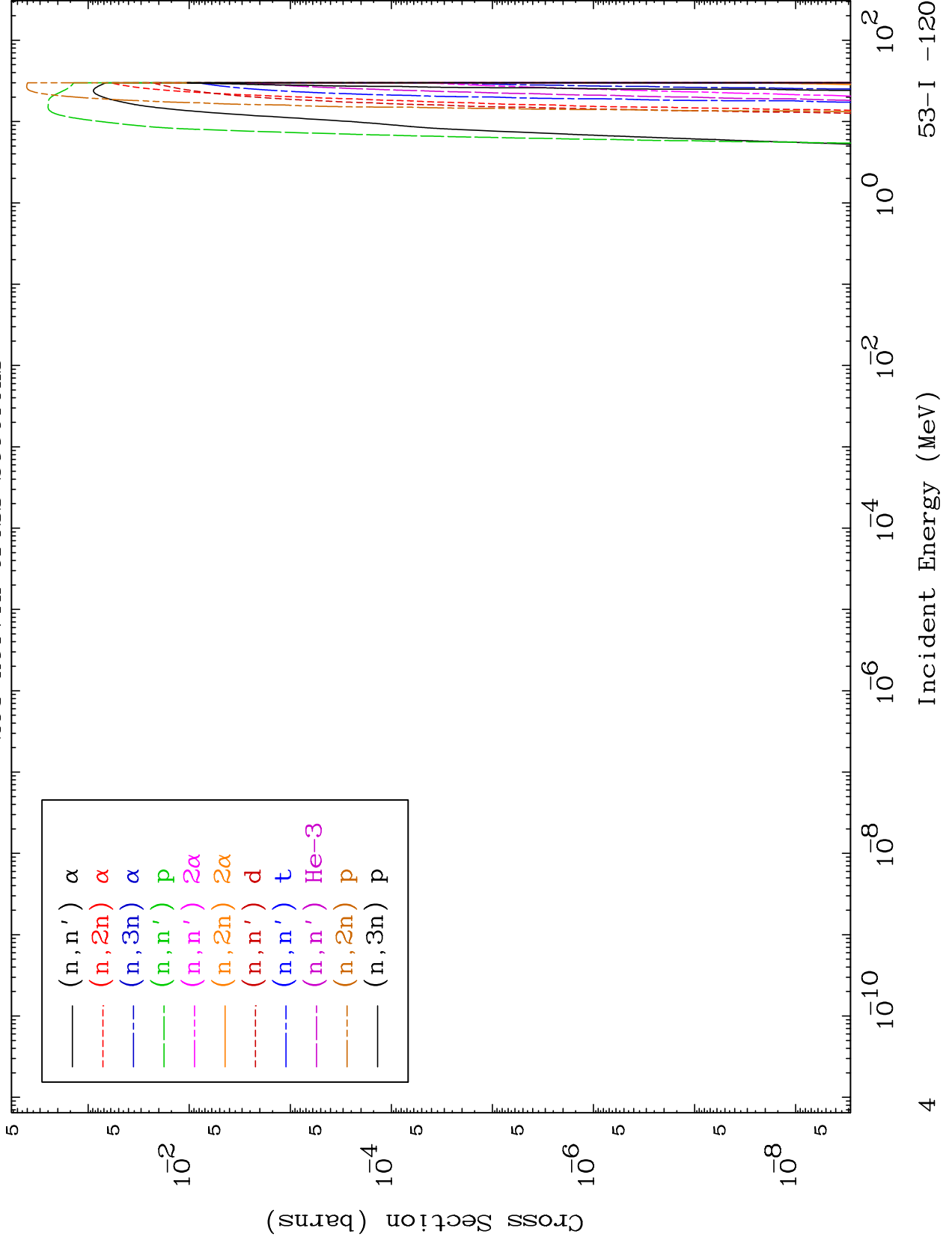




MAT 5304

Charged Particle
293 Kelvin Cross Sections

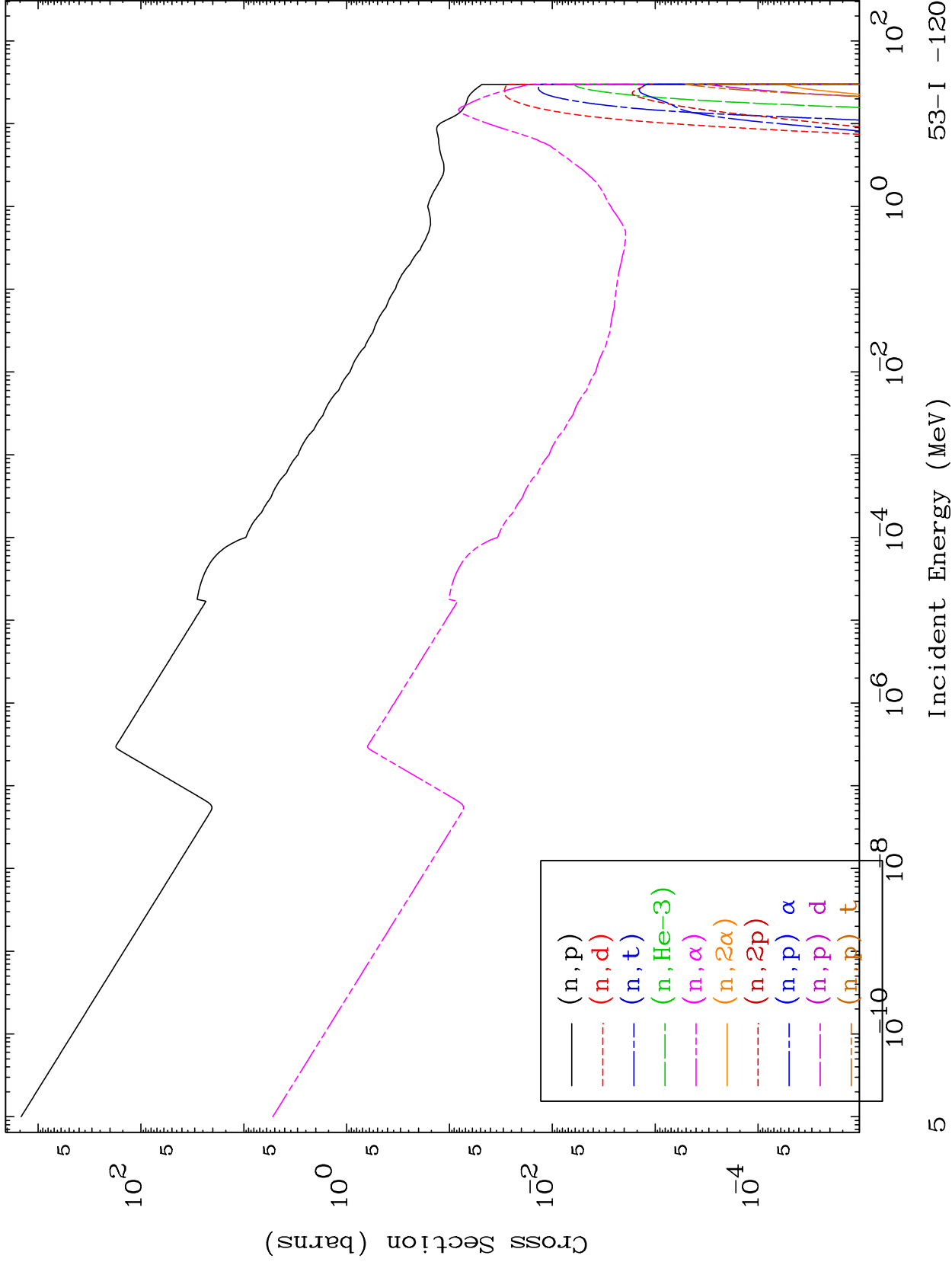
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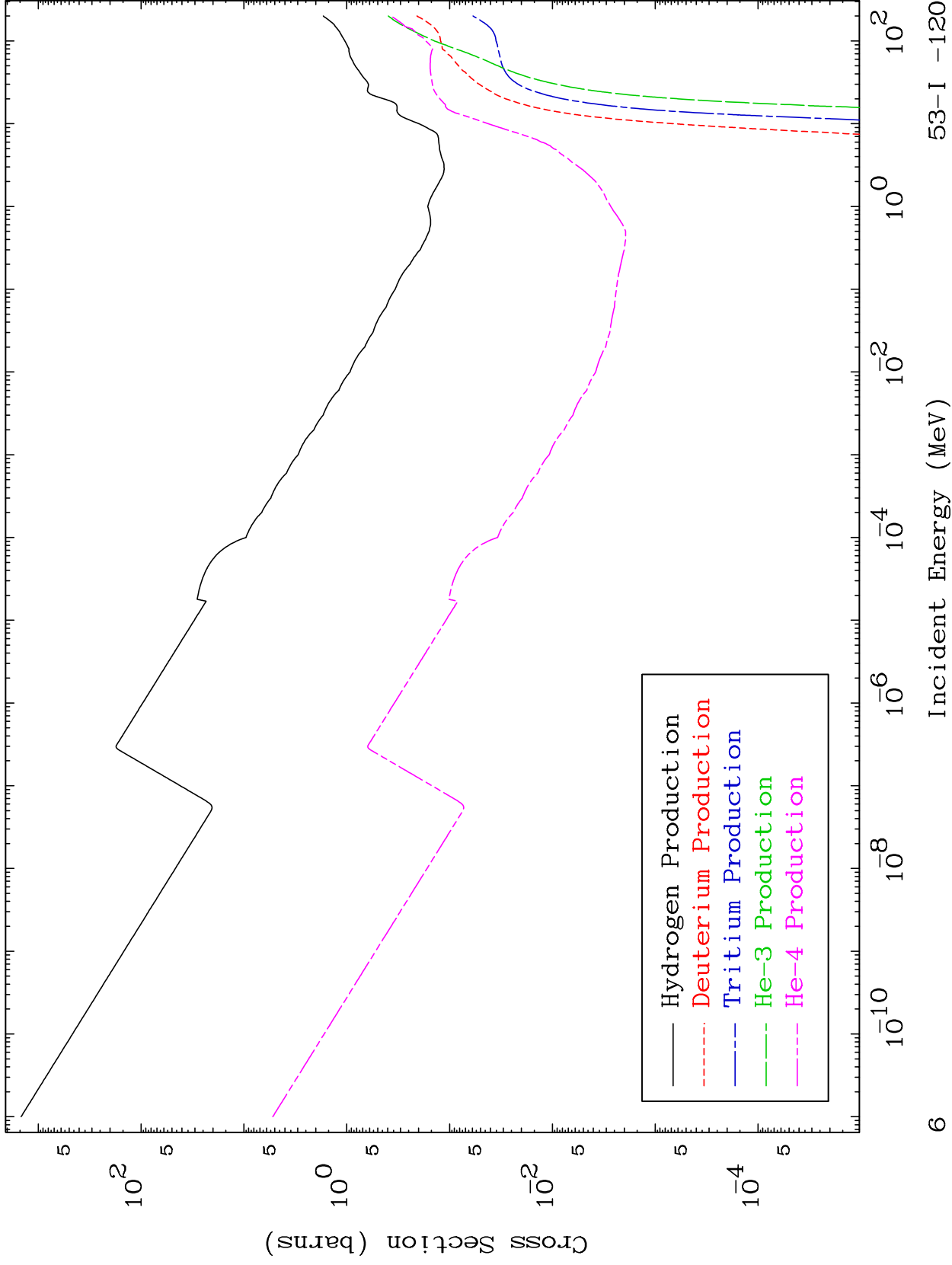


MAT 5304

Charged Particle
293 Kelvin Cross Sections

53-I -120

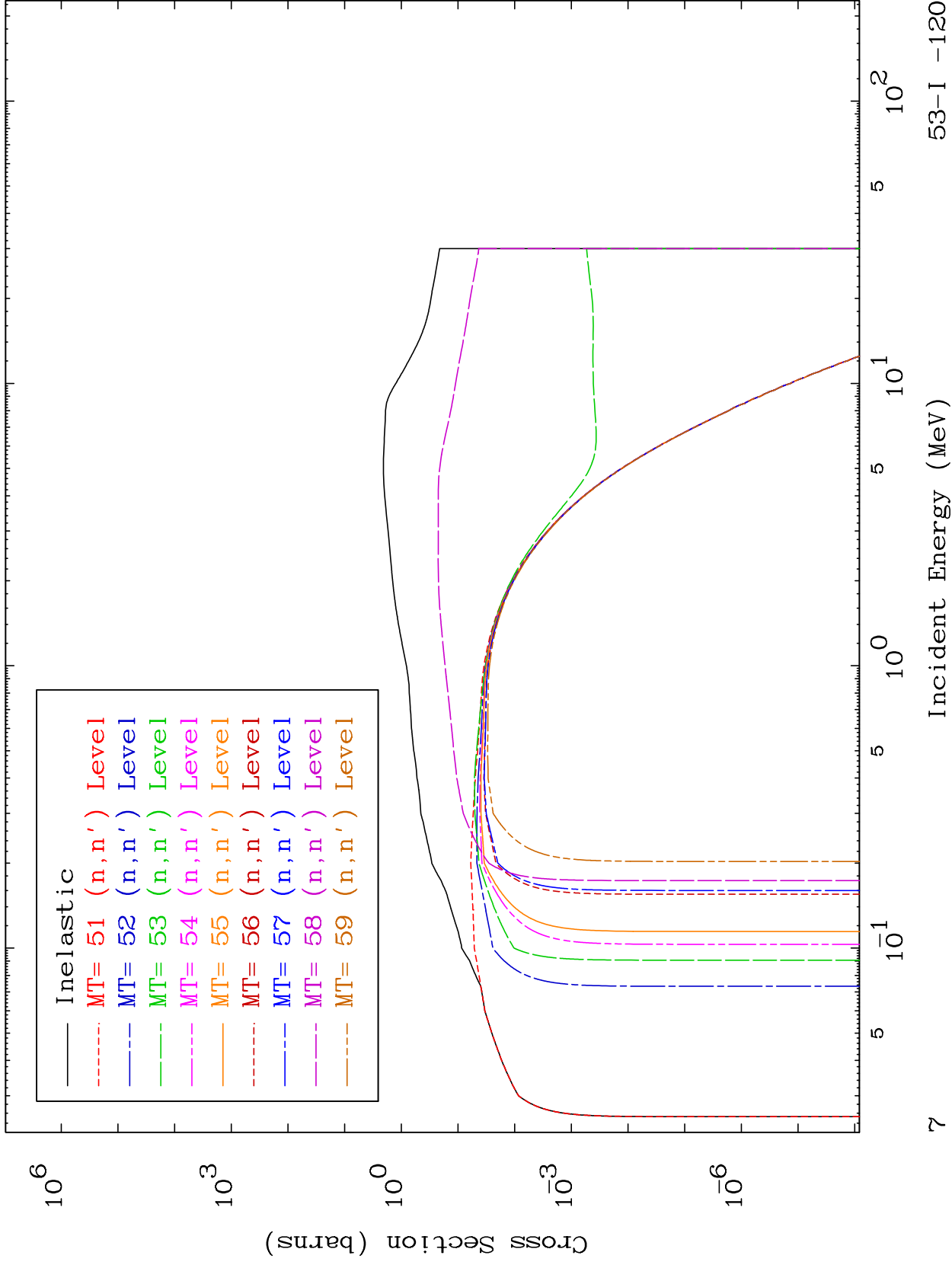




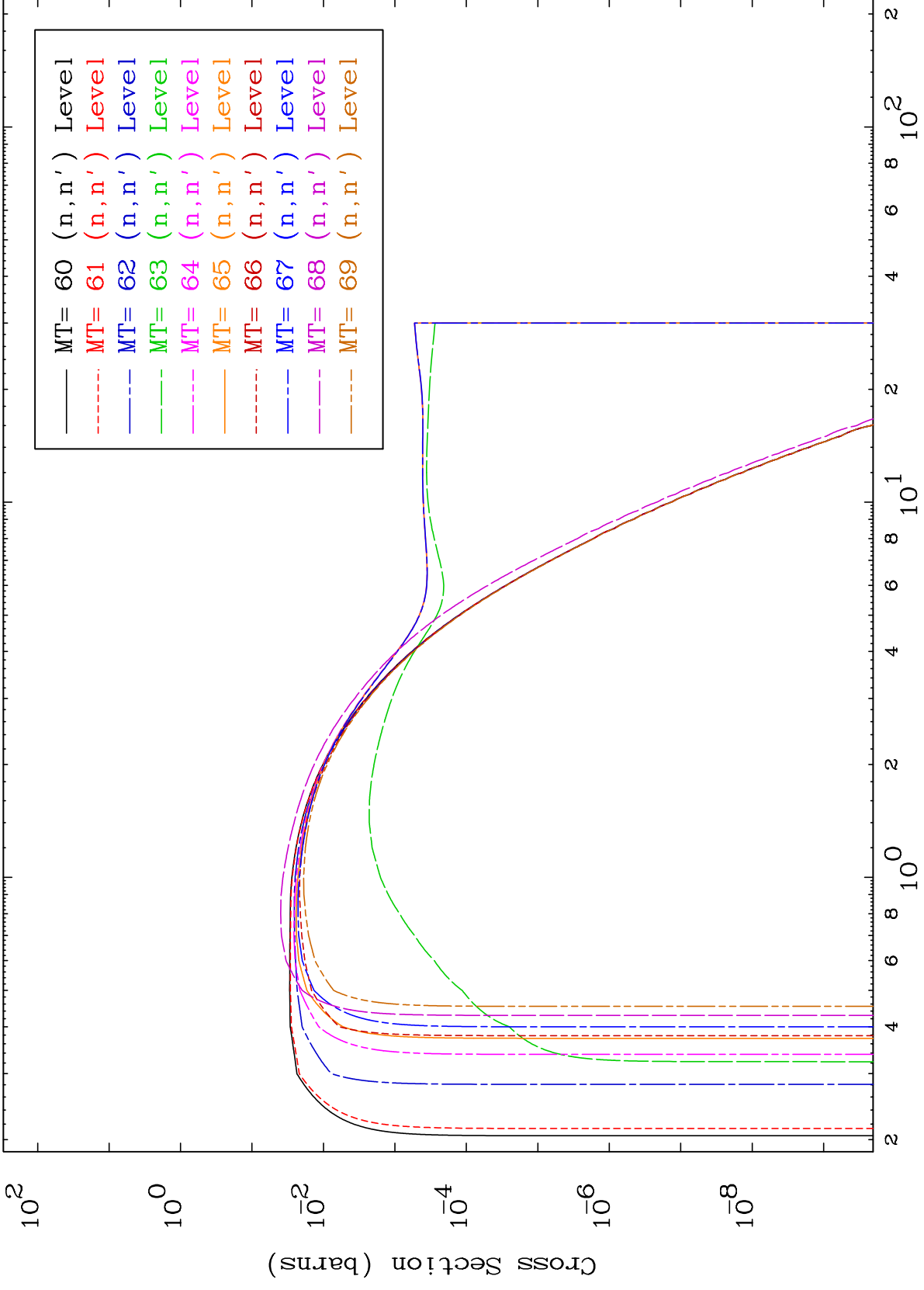
MAT 5304

(n,n') Level
293 Kelvin Cross Sections

53-I -120

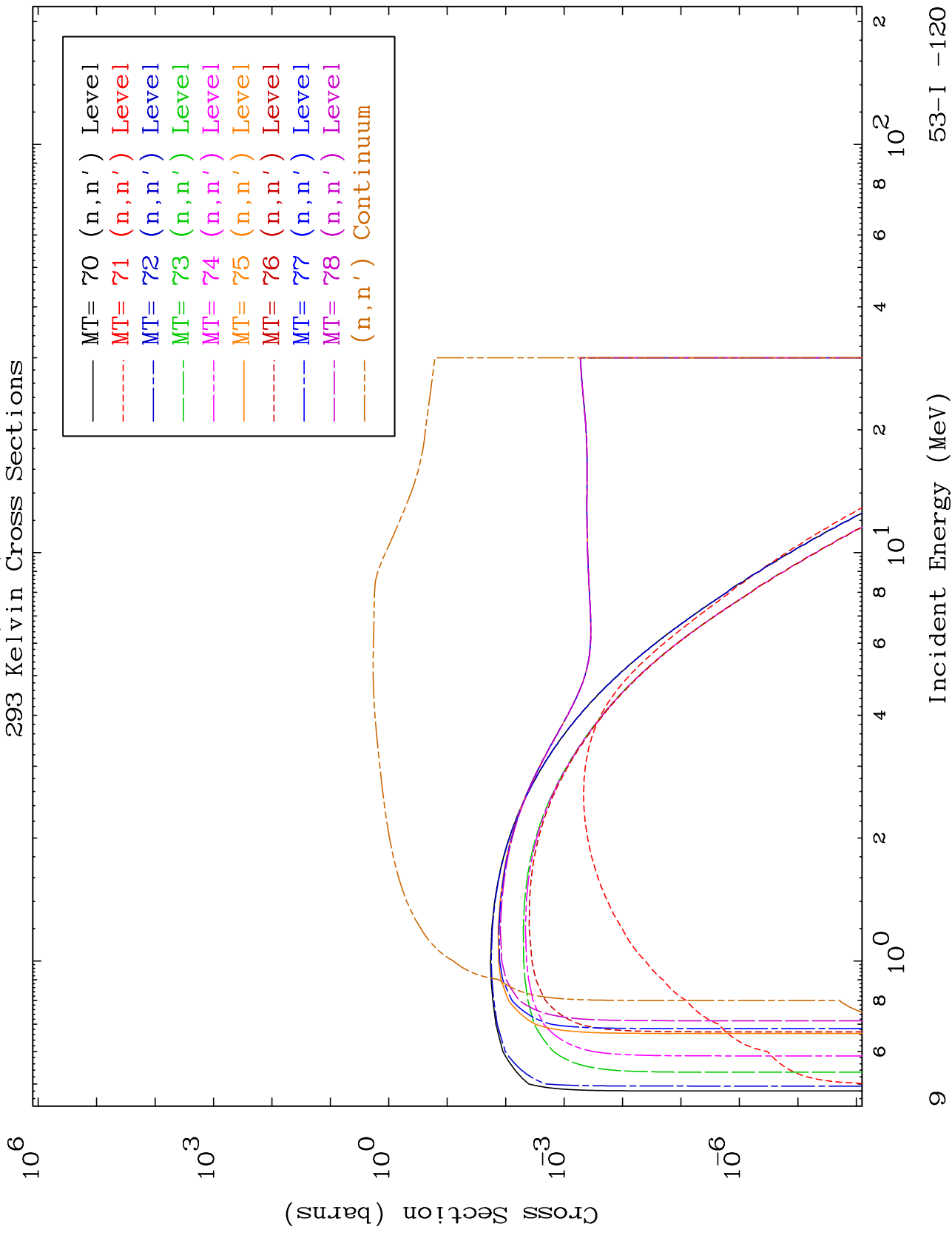


293 Kelvin Cross Sections



Line Style	Level	(n, n')	Level
—	60	(n, n')	Level
- - -	61	(n, n')	Level
- · - ·	62	(n, n')	Level
- - -	63	(n, n')	Level
- · - ·	64	(n, n')	Level
—	65	(n, n')	Level
- - -	66	(n, n')	Level
- · - ·	67	(n, n')	Level
- - -	68	(n, n')	Level
- · - ·	69	(n, n')	Level

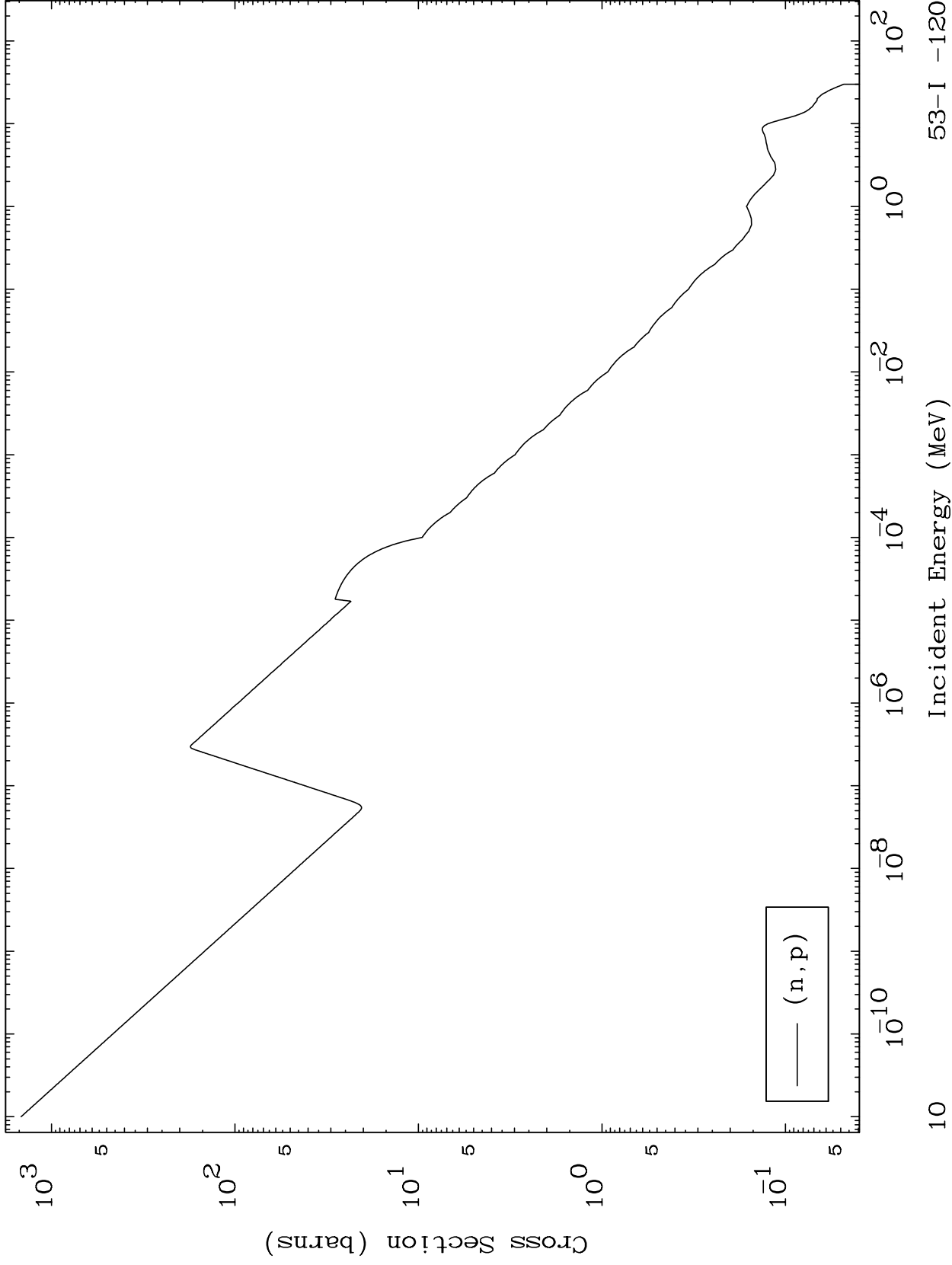
293 Kelvin Cross Sections



MAT 5304

(n,p) Levels
293 Kelvin Cross Sections

53-I -120



10

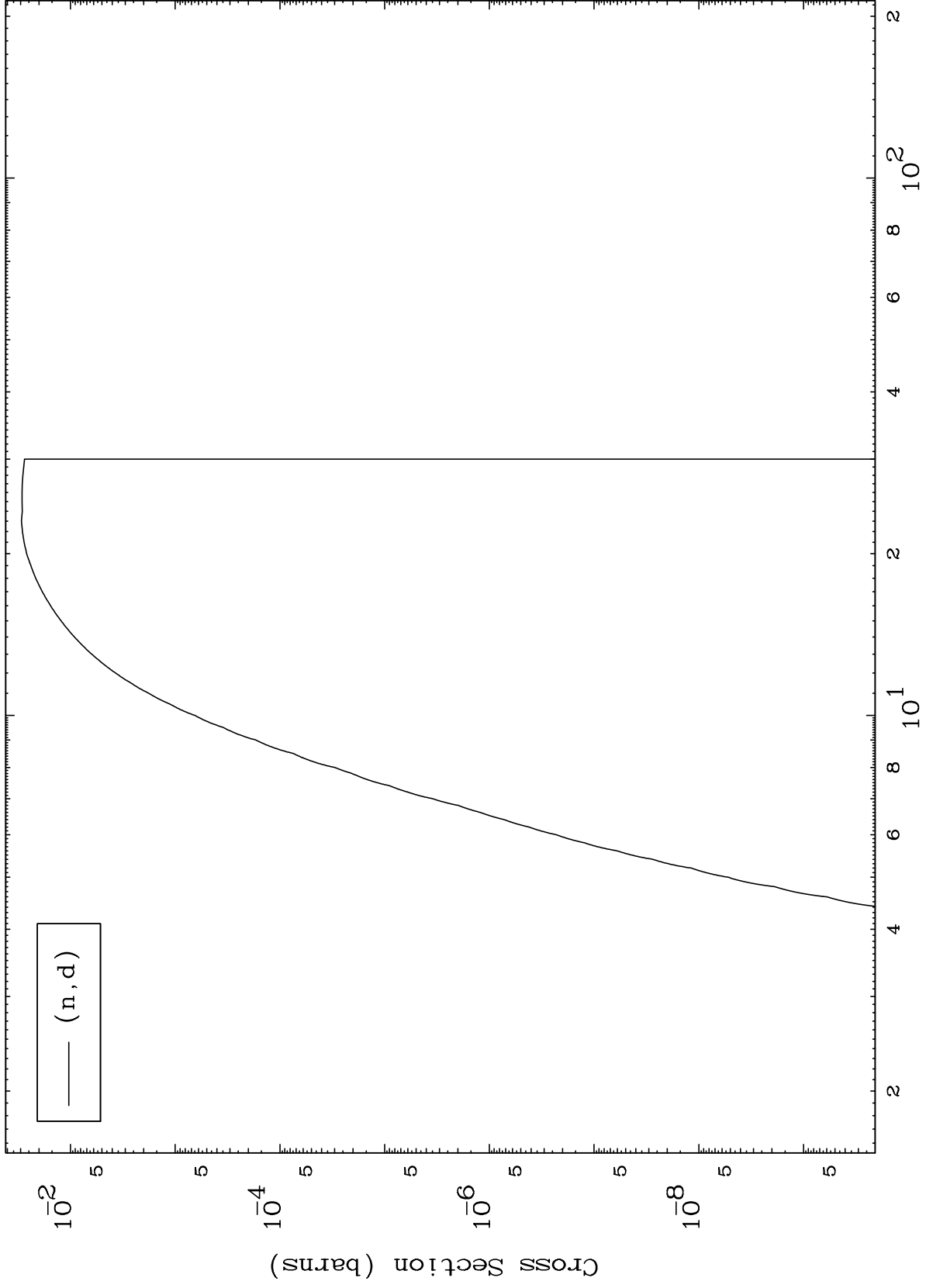
Incident Energy (MeV)

53-I -120

MAT 5304

(n,d) Levels
293 Kelvin Cross Sections

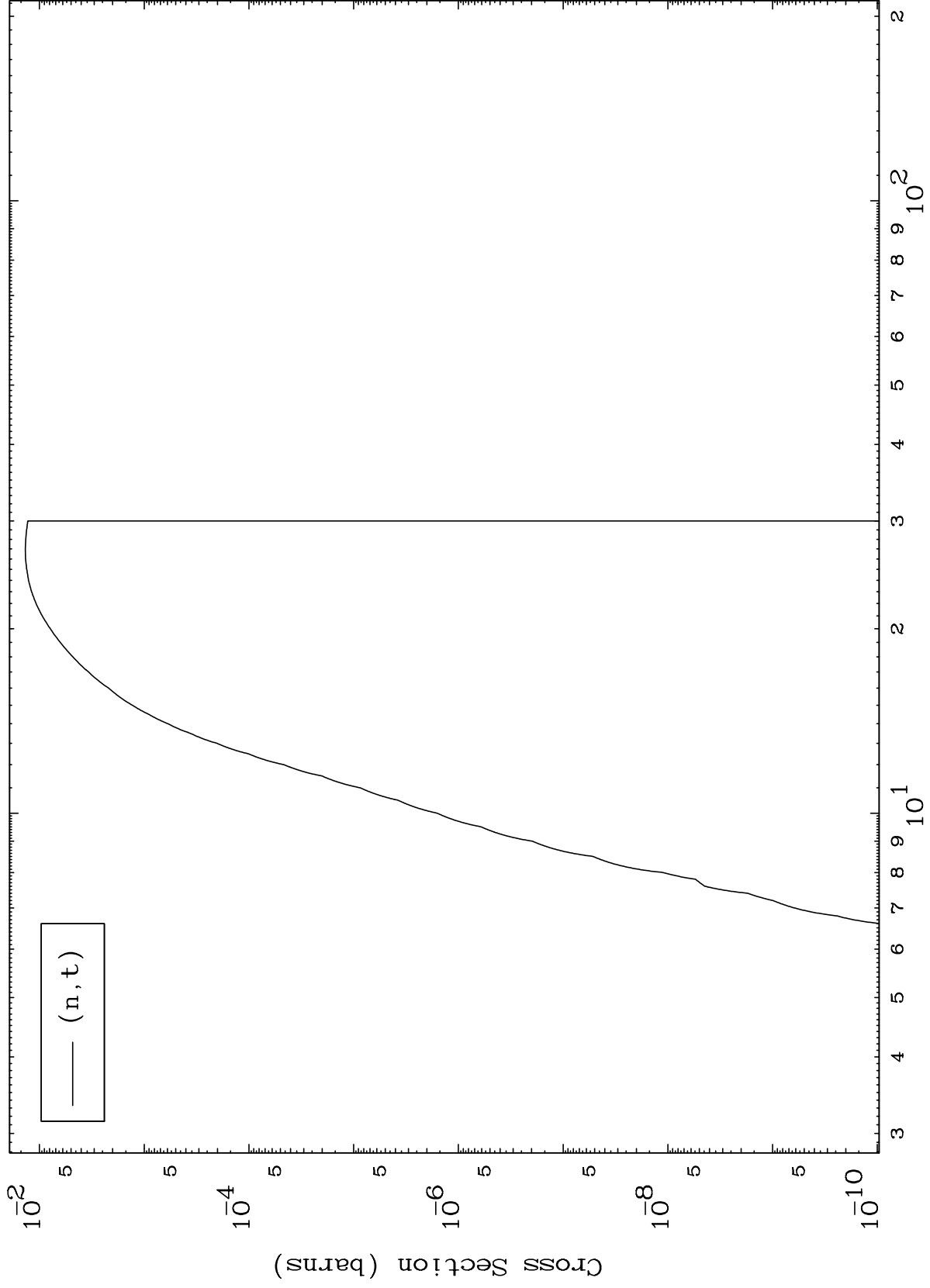
53-I -120



MAT 5304

(n,t) Levels
293 Kelvin Cross Sections

53-I -120



12

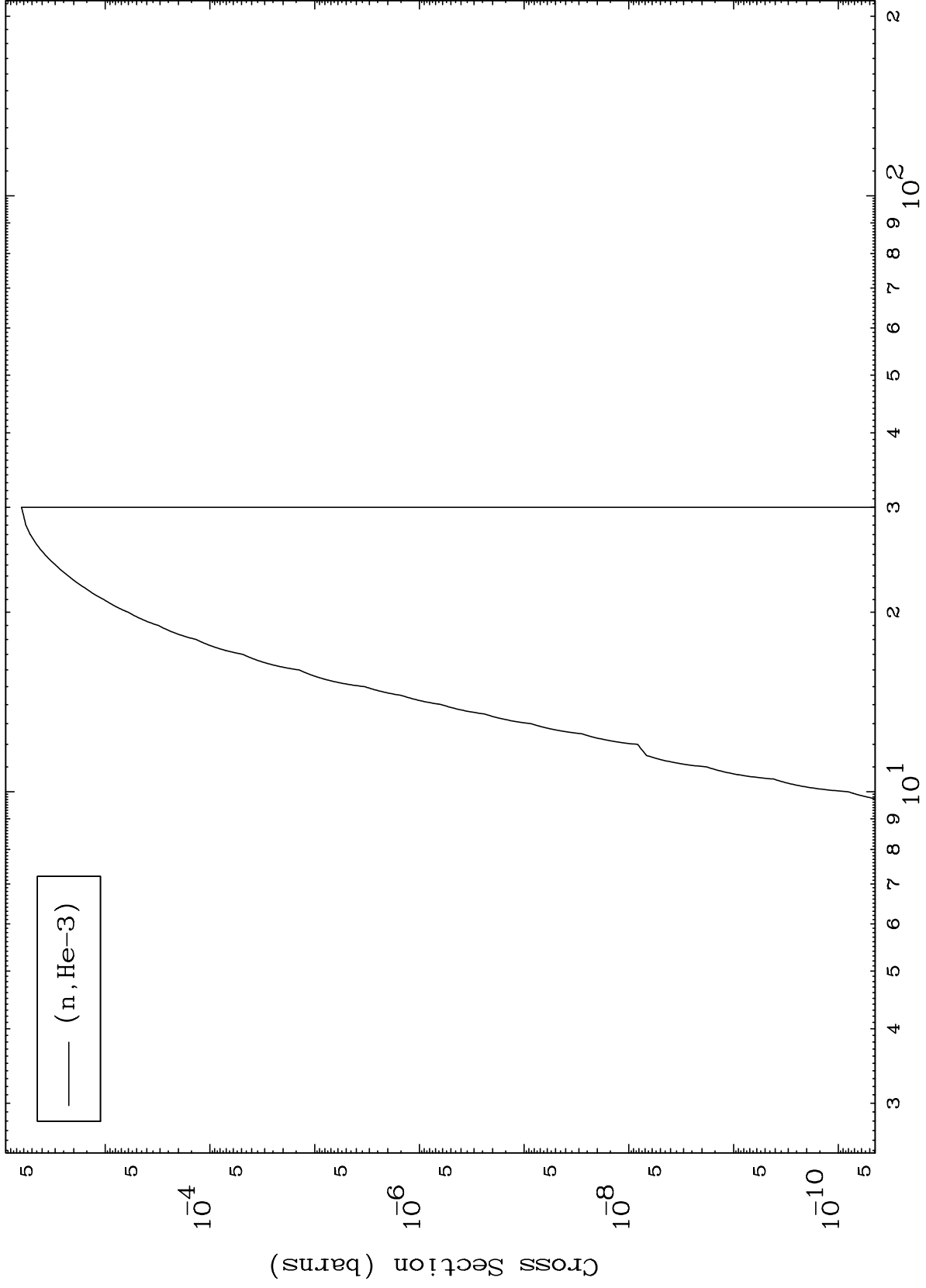
Incident Energy (MeV)

53-I -120

MAT 5304

(n,He3) Levels
293 Kelvin Cross Sections

53-I -120



13

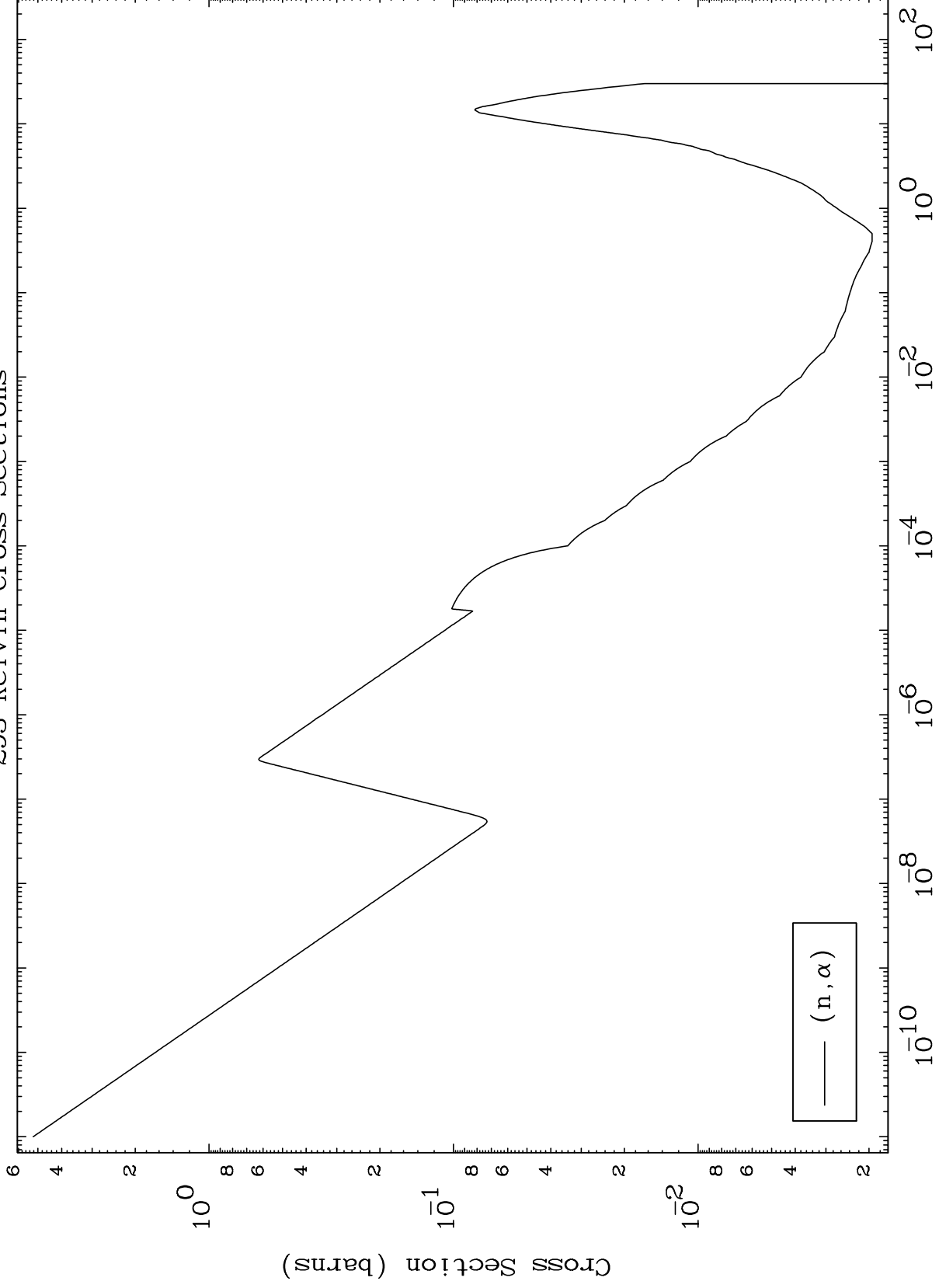
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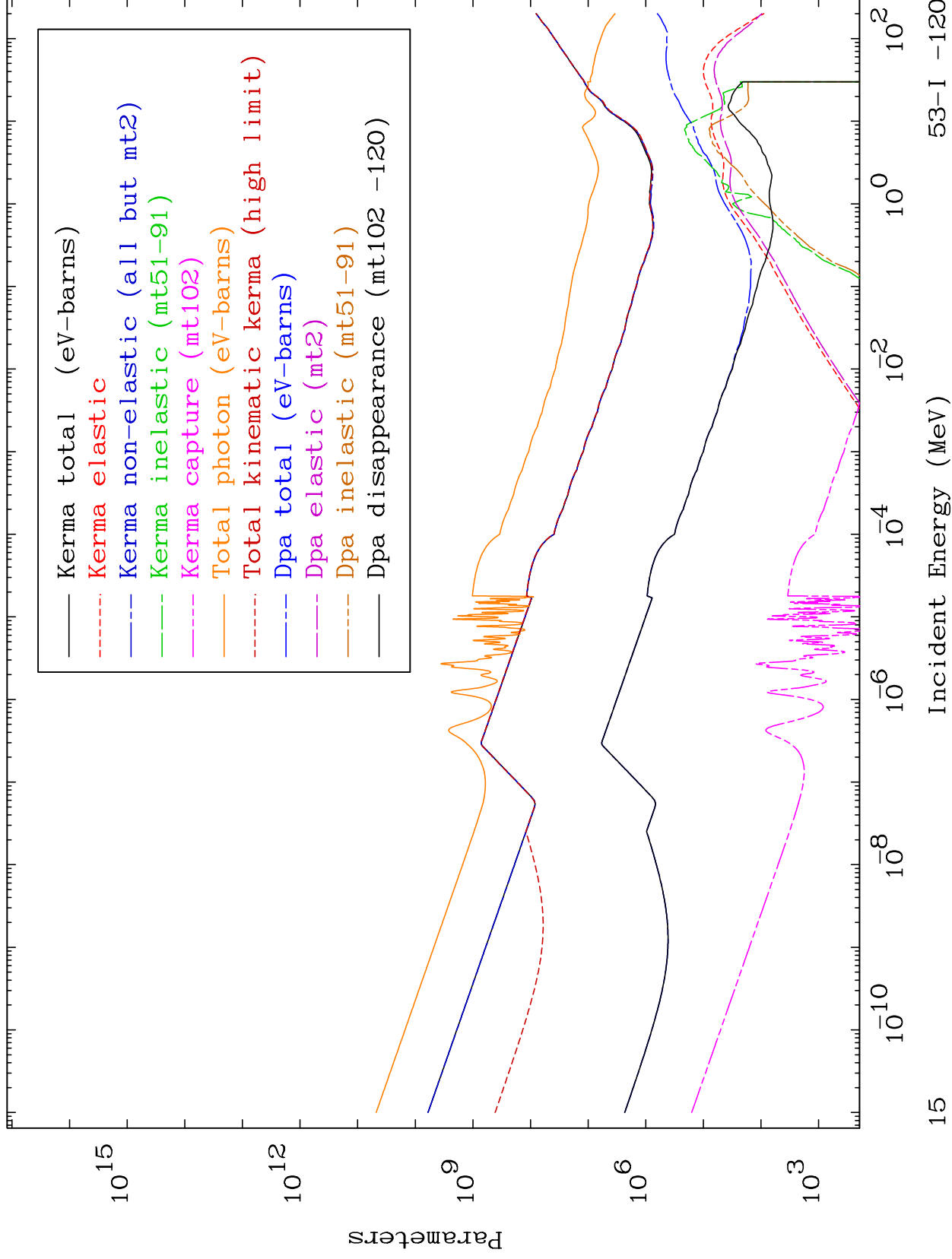
53-I -120

MAT 5304

(n, α) Levels
293 Kelvin Cross Sections

53-I -120

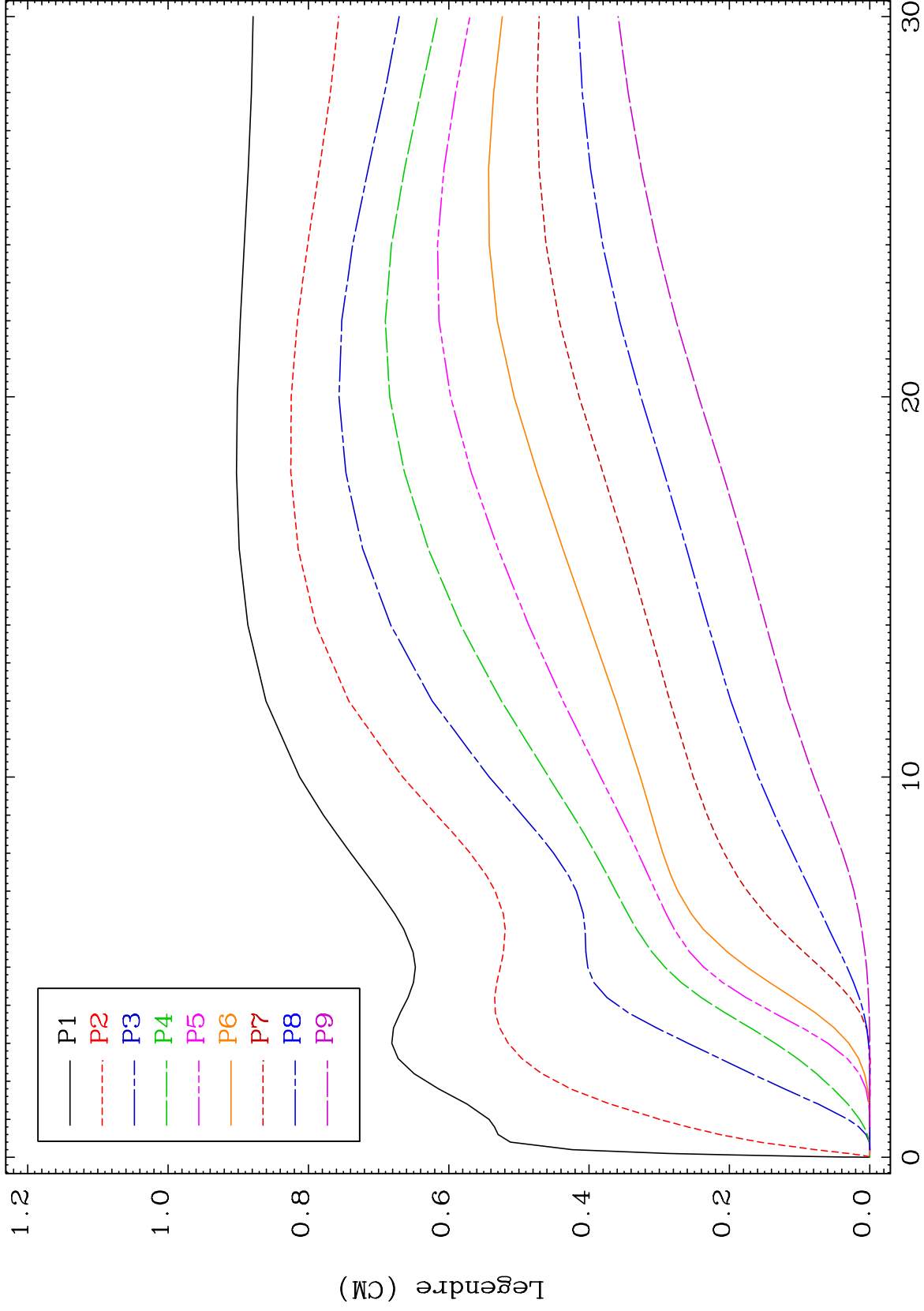




MAT 5304

Elastic Legendre Coefficients

53-I -120



16

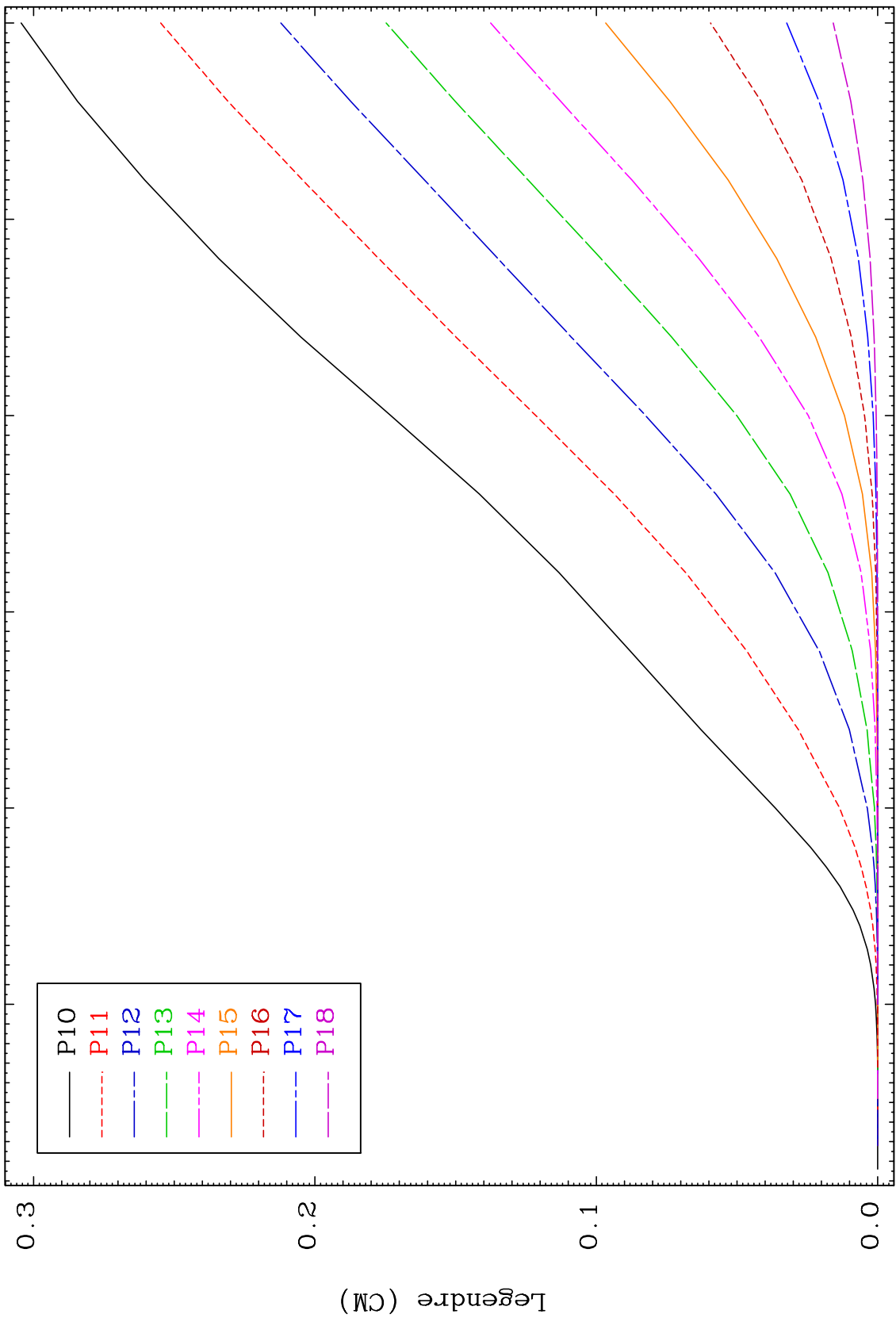
Incident Energy (MeV)

53-I -120

MAT 5304

Elastic Legendre Coefficients

53-I -120



17

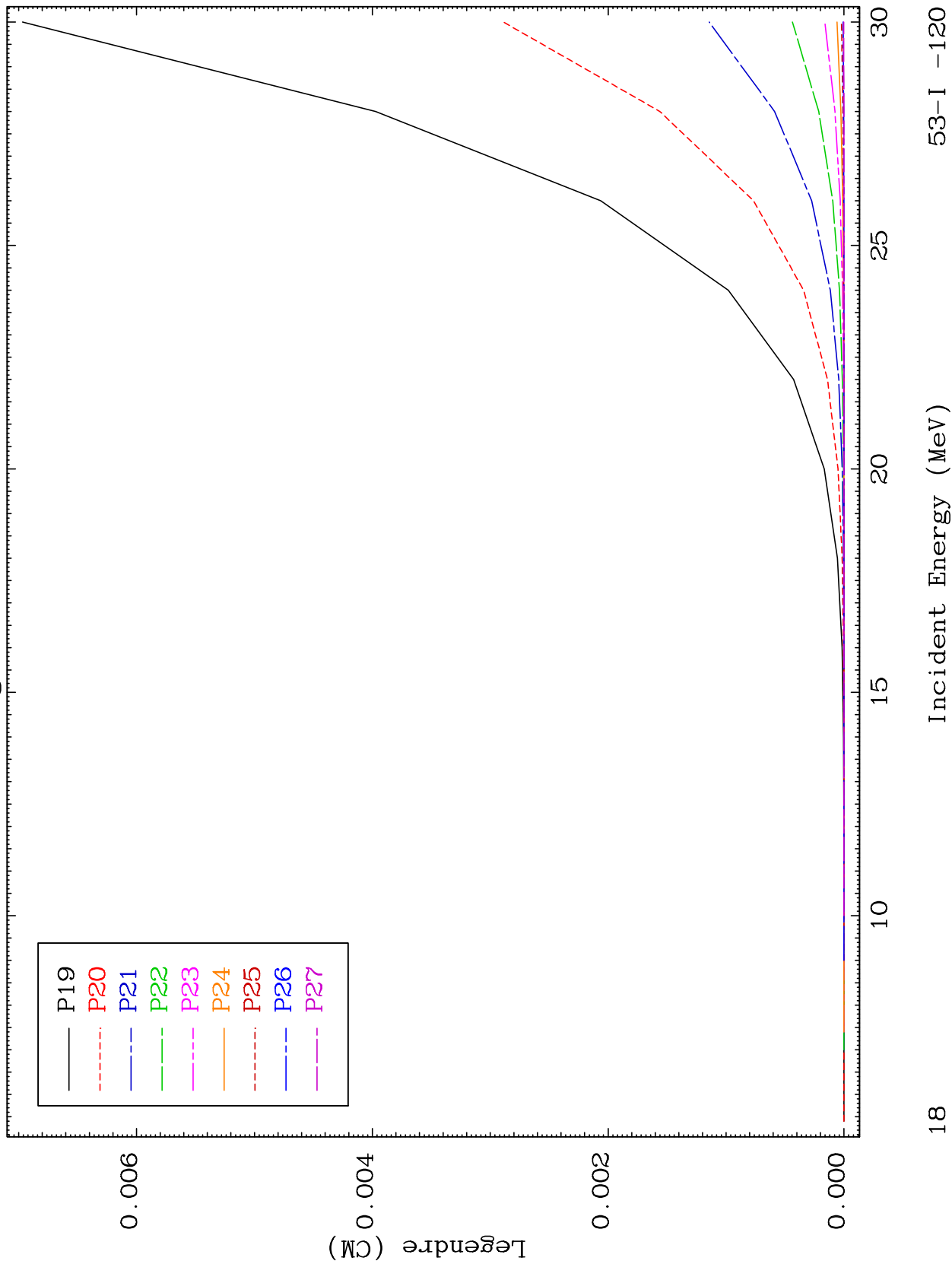
Incident Energy (MeV)

53-I -120

MAT 5304

Elastic Legendre Coefficients

53-I -120



18

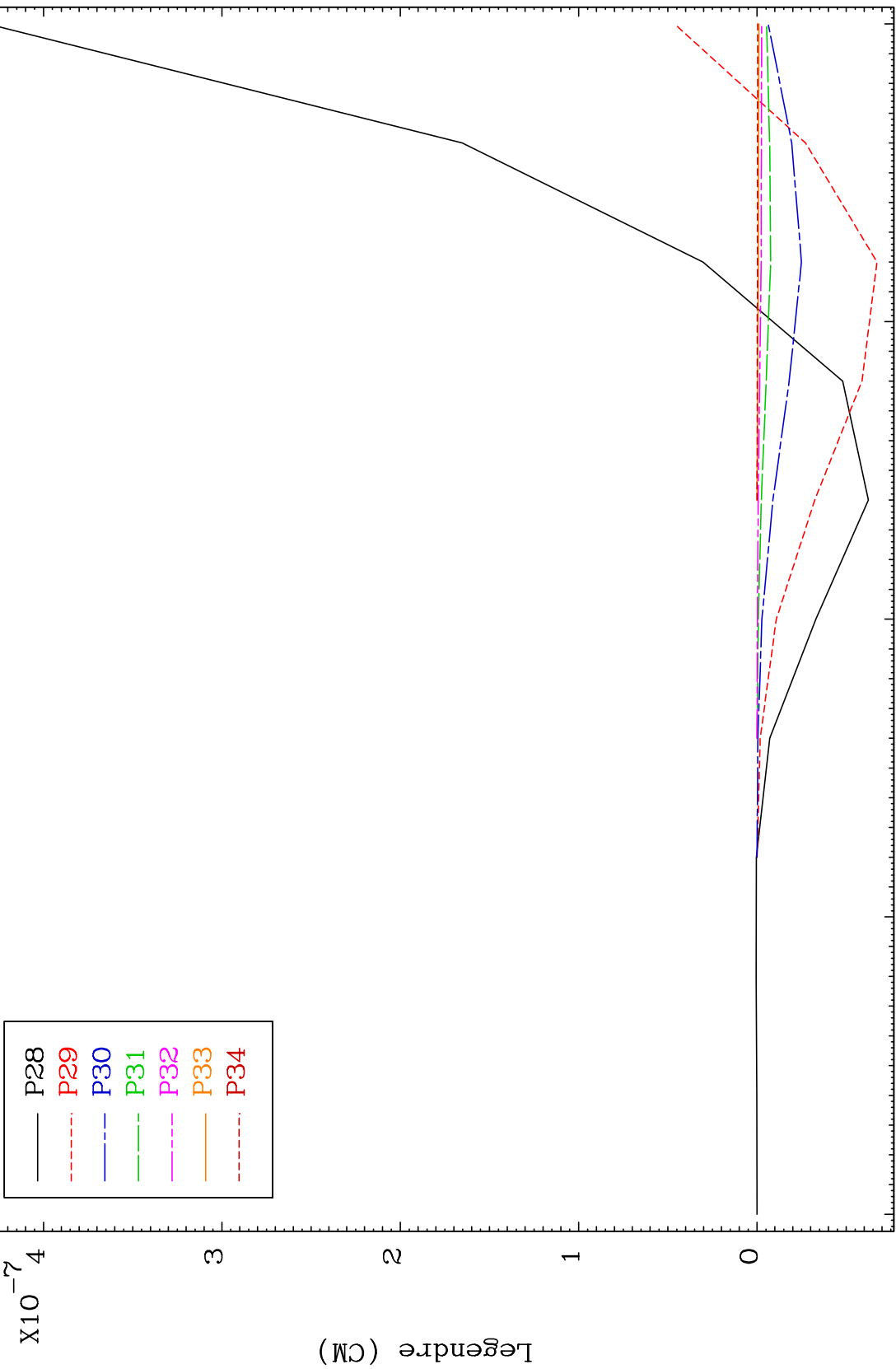
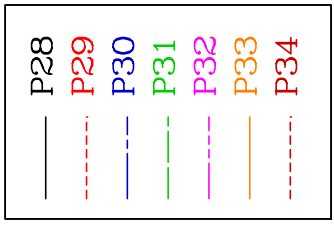
Incident Energy (MeV)

53-I -120

MAT 5304

Elastic Legendre Coefficients

53-I -120



10

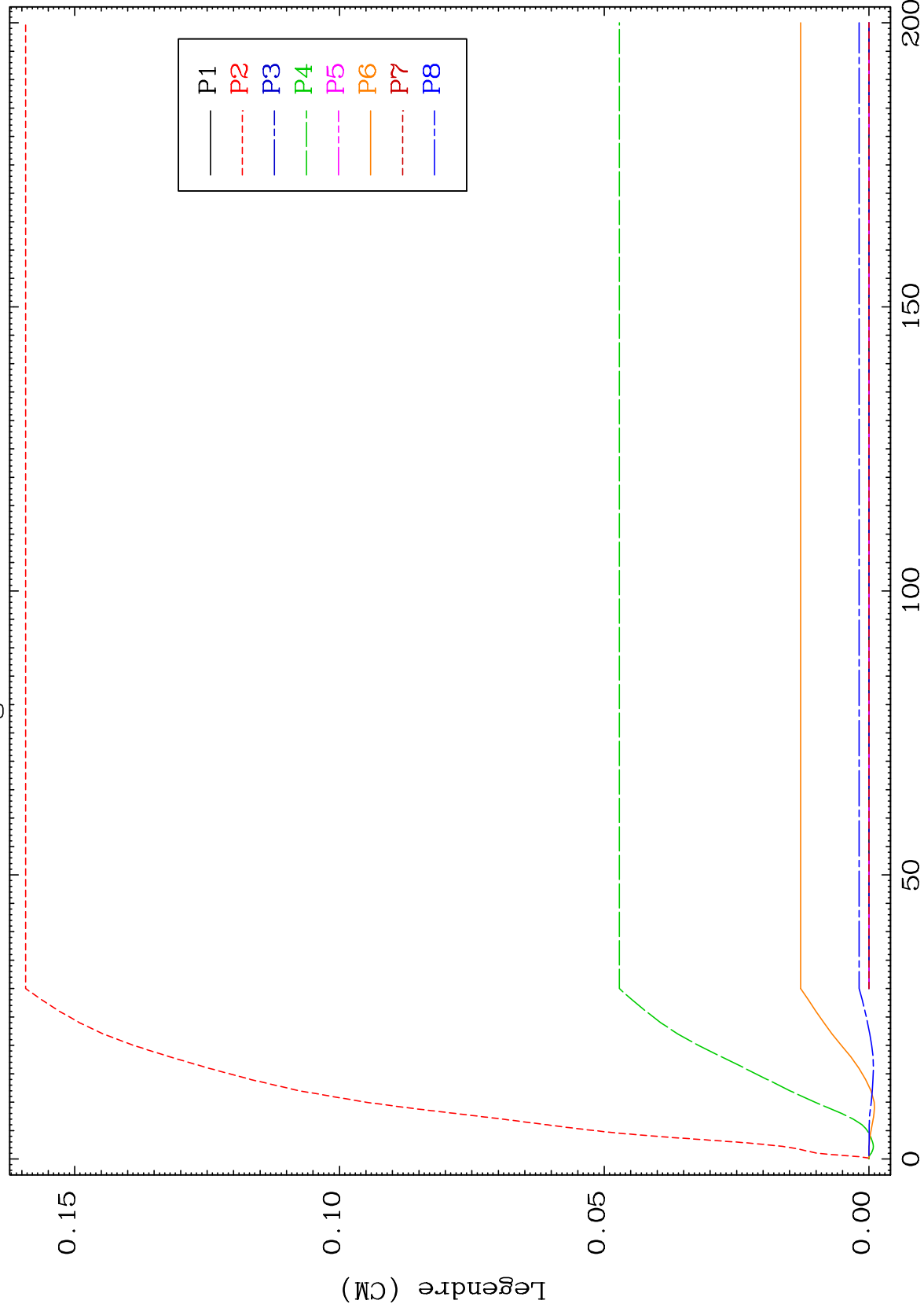
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



53-I -120

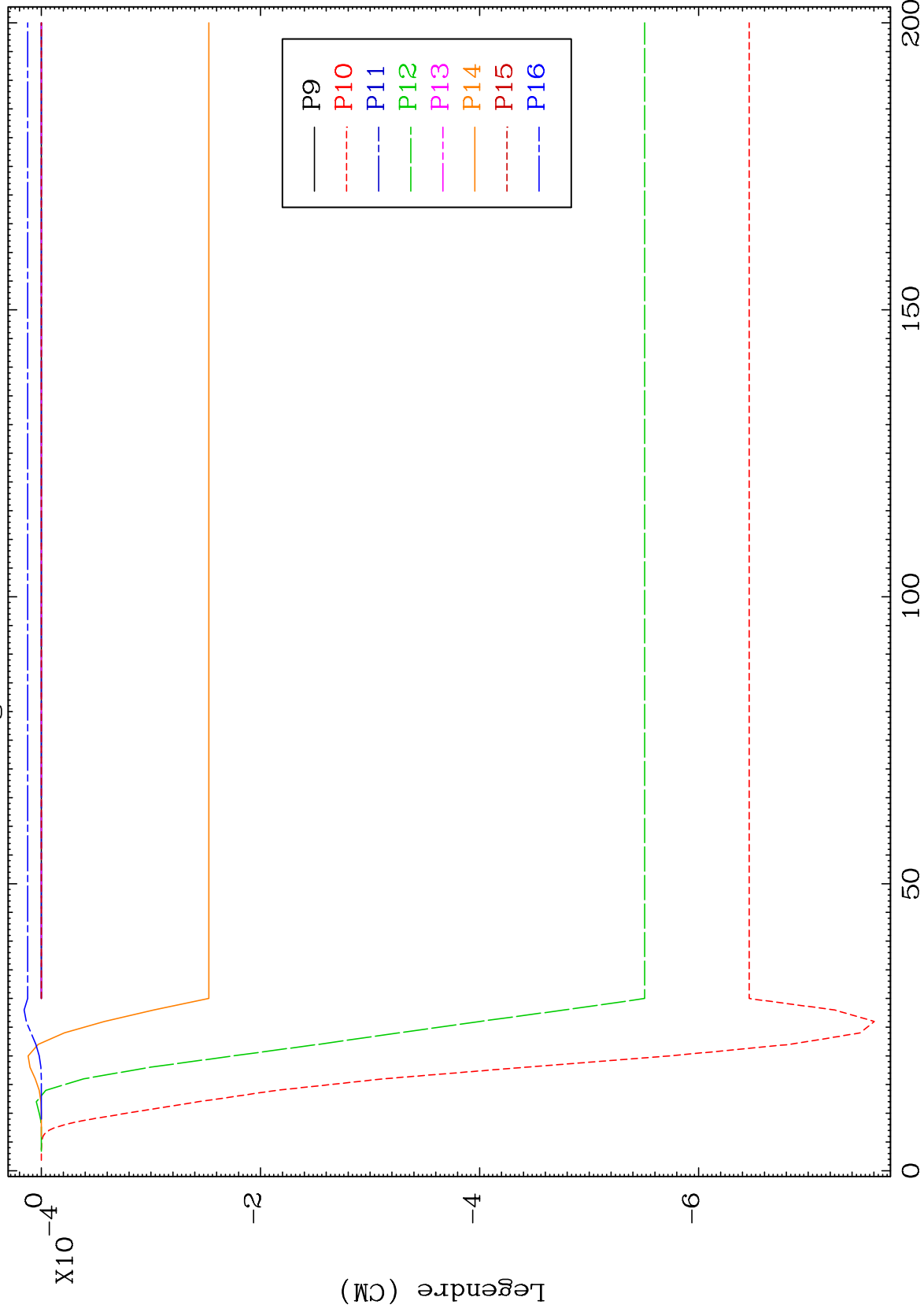
Incident Energy (MeV)

20

MAT 5304

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

53-I -120



21

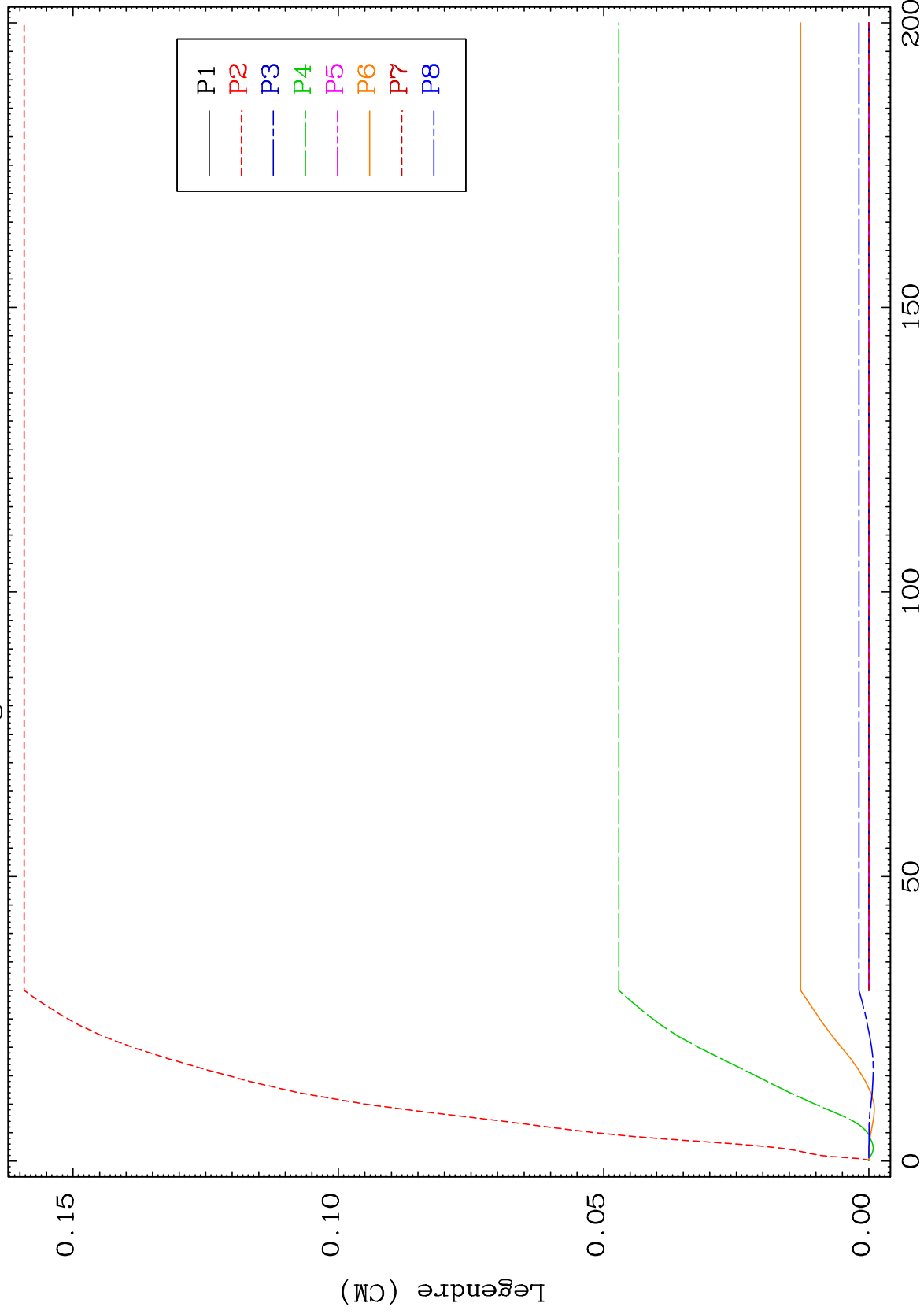
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



23

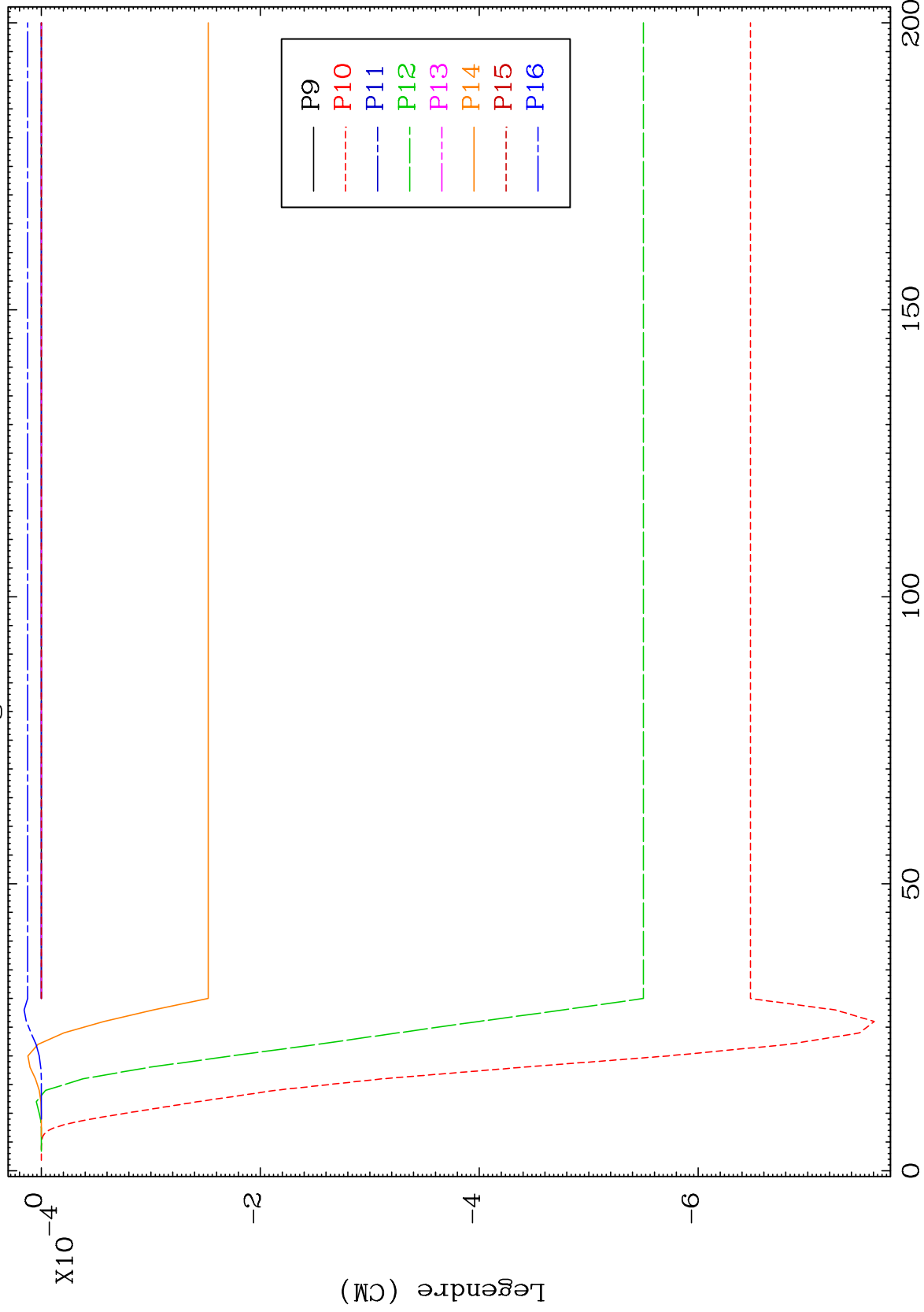
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



24

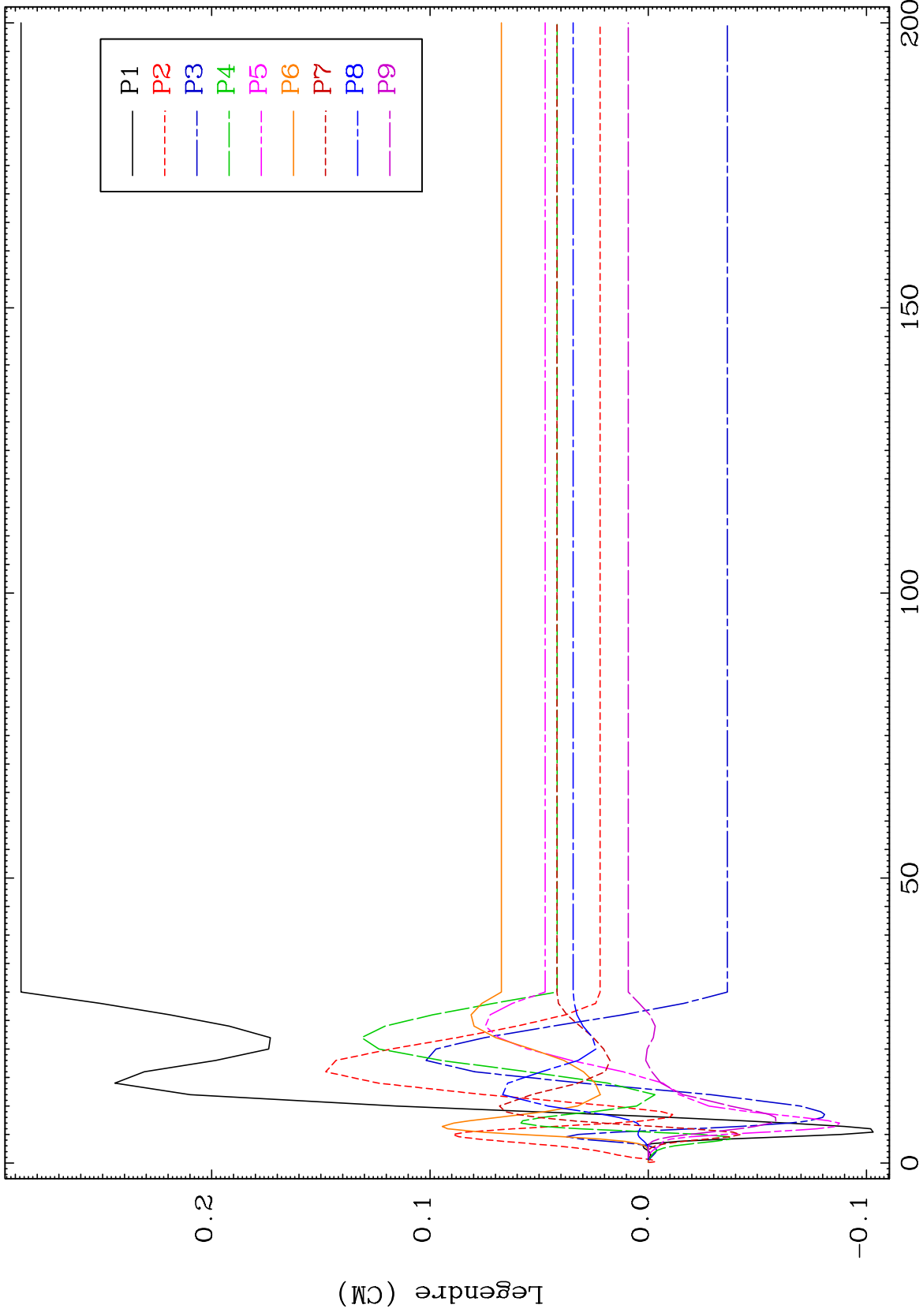
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



26

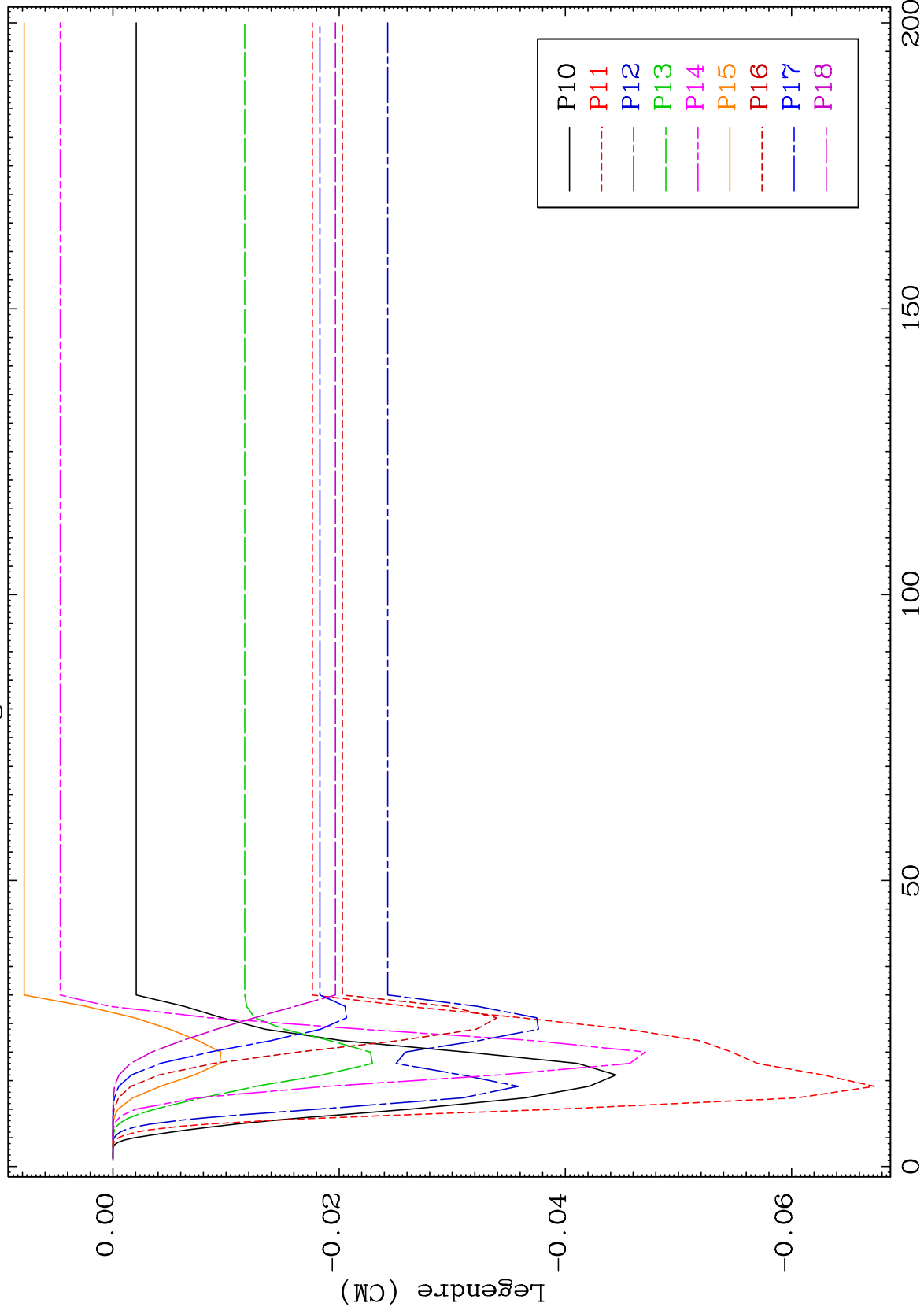
Incident Energy (MeV)

53-I -120

MAT 5304

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

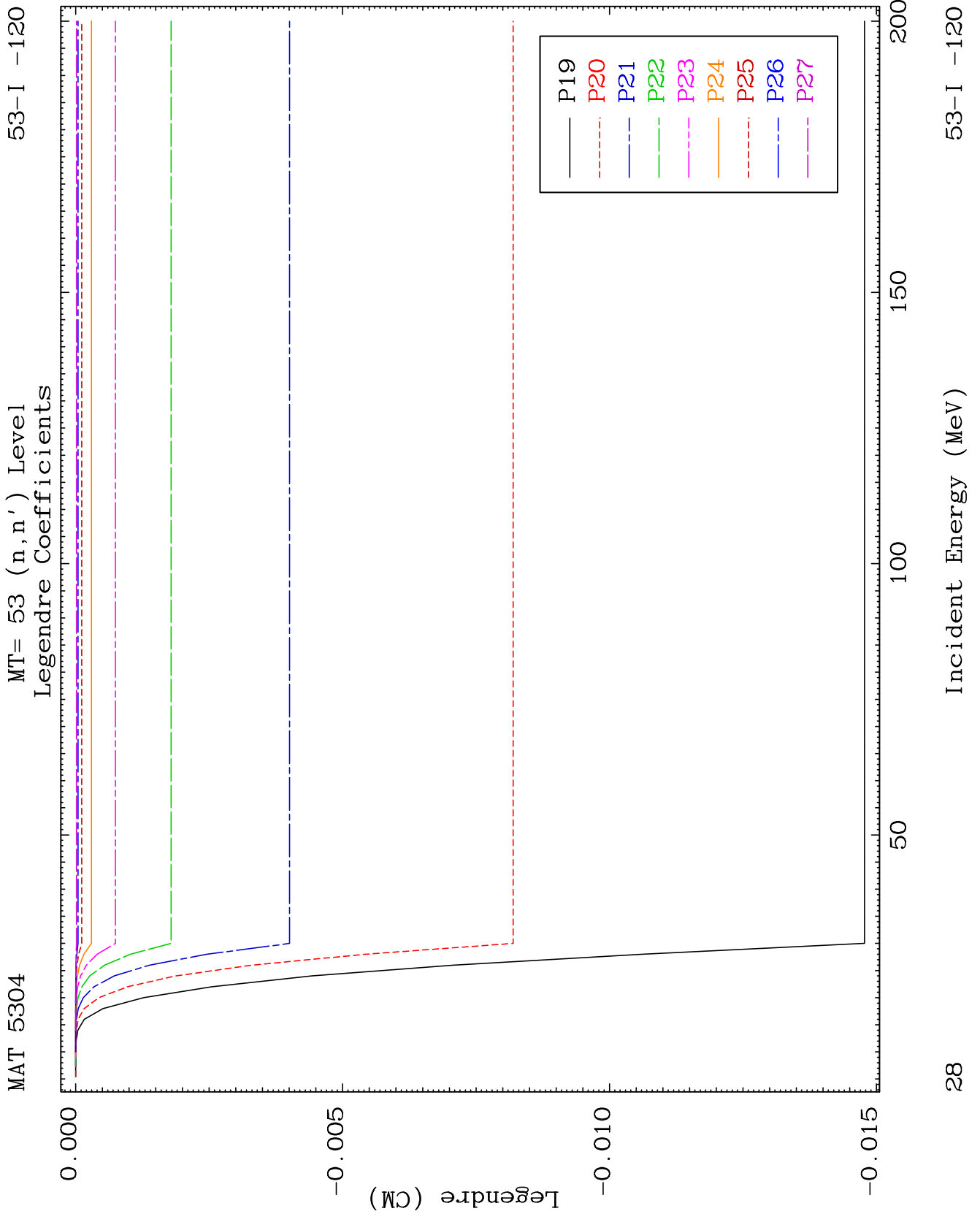
53-I -120

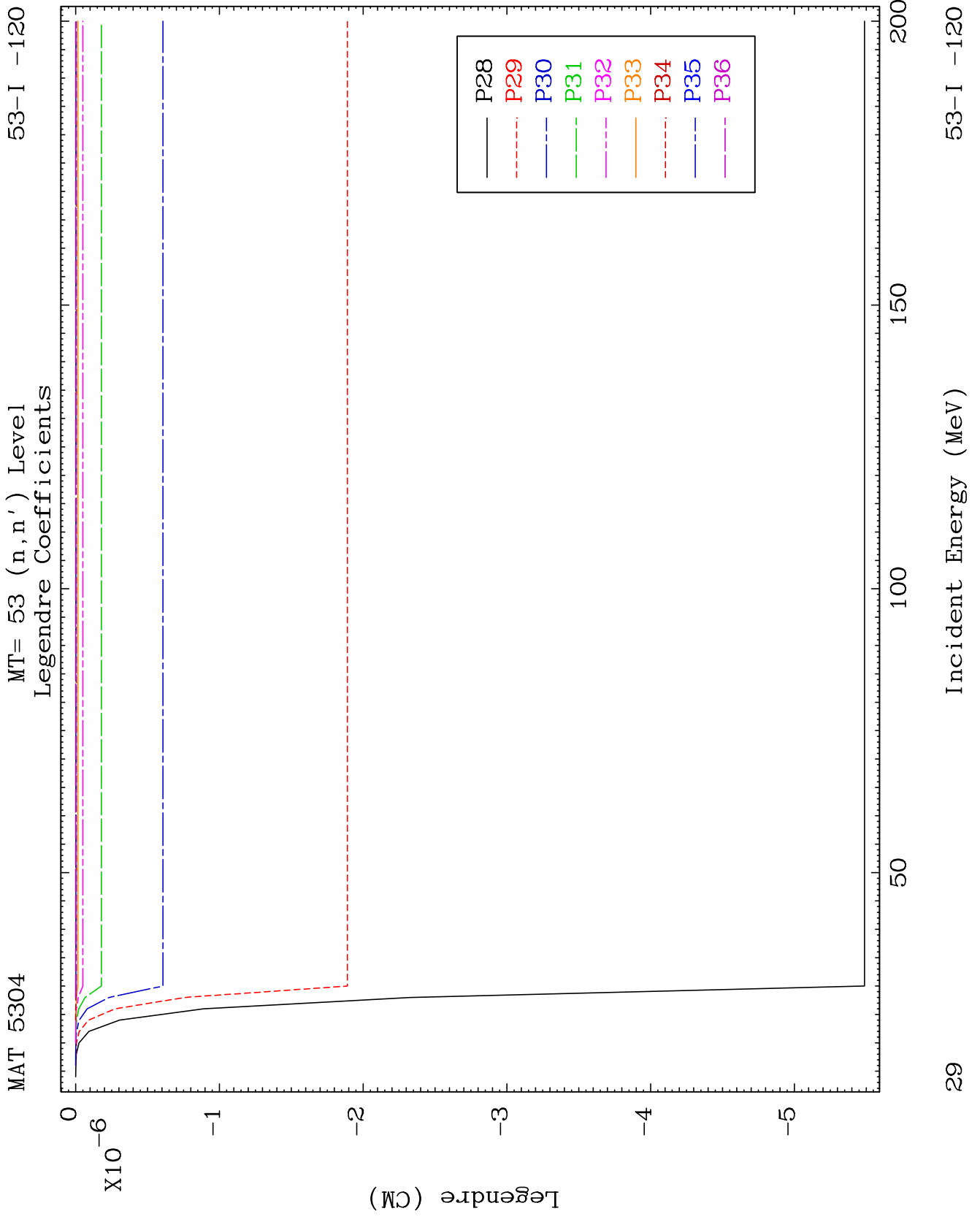


27

Incident Energy (MeV)

53-I -120

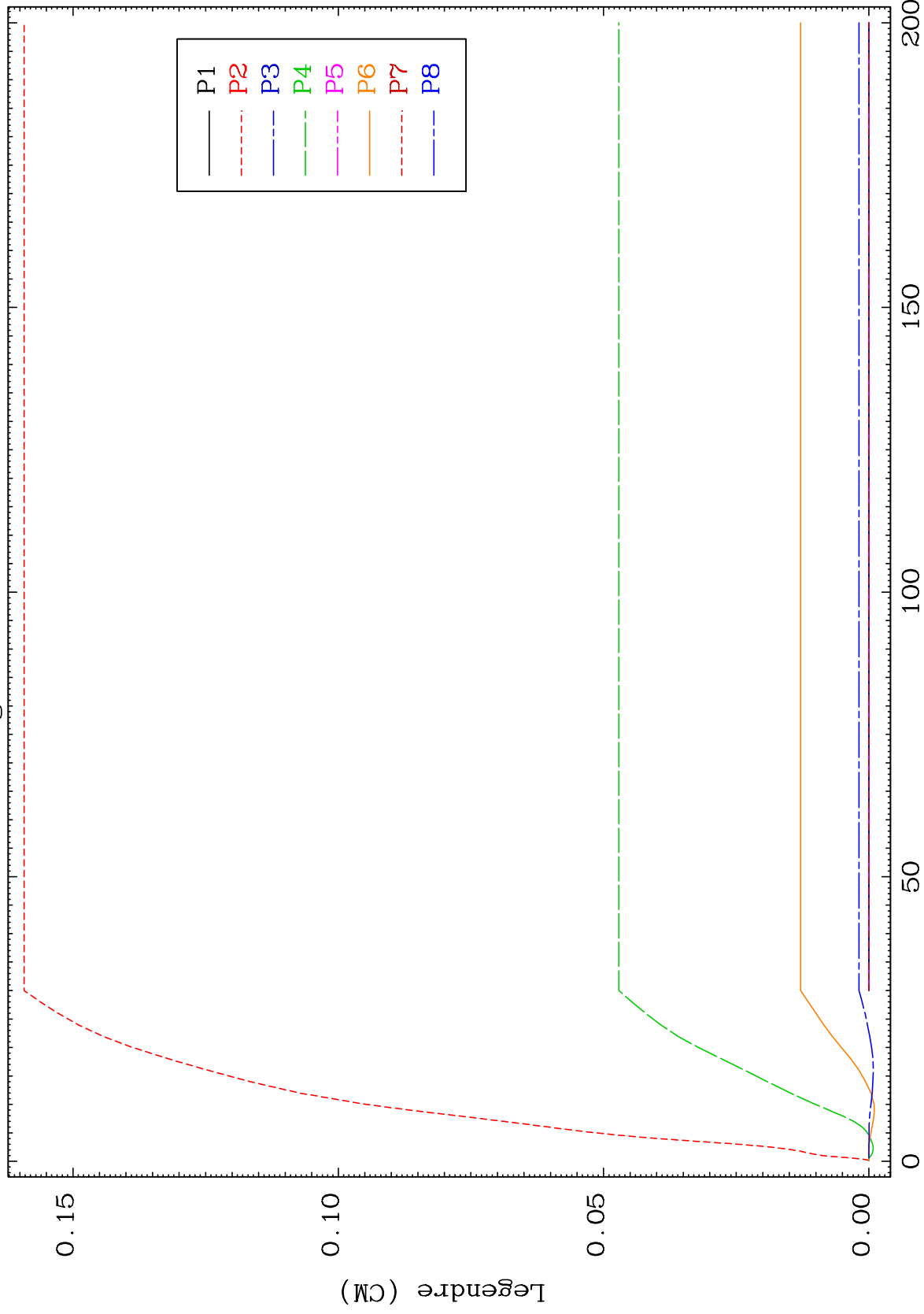




MAT 5304

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

53-I -120



53-I -120

Incident Energy (MeV)

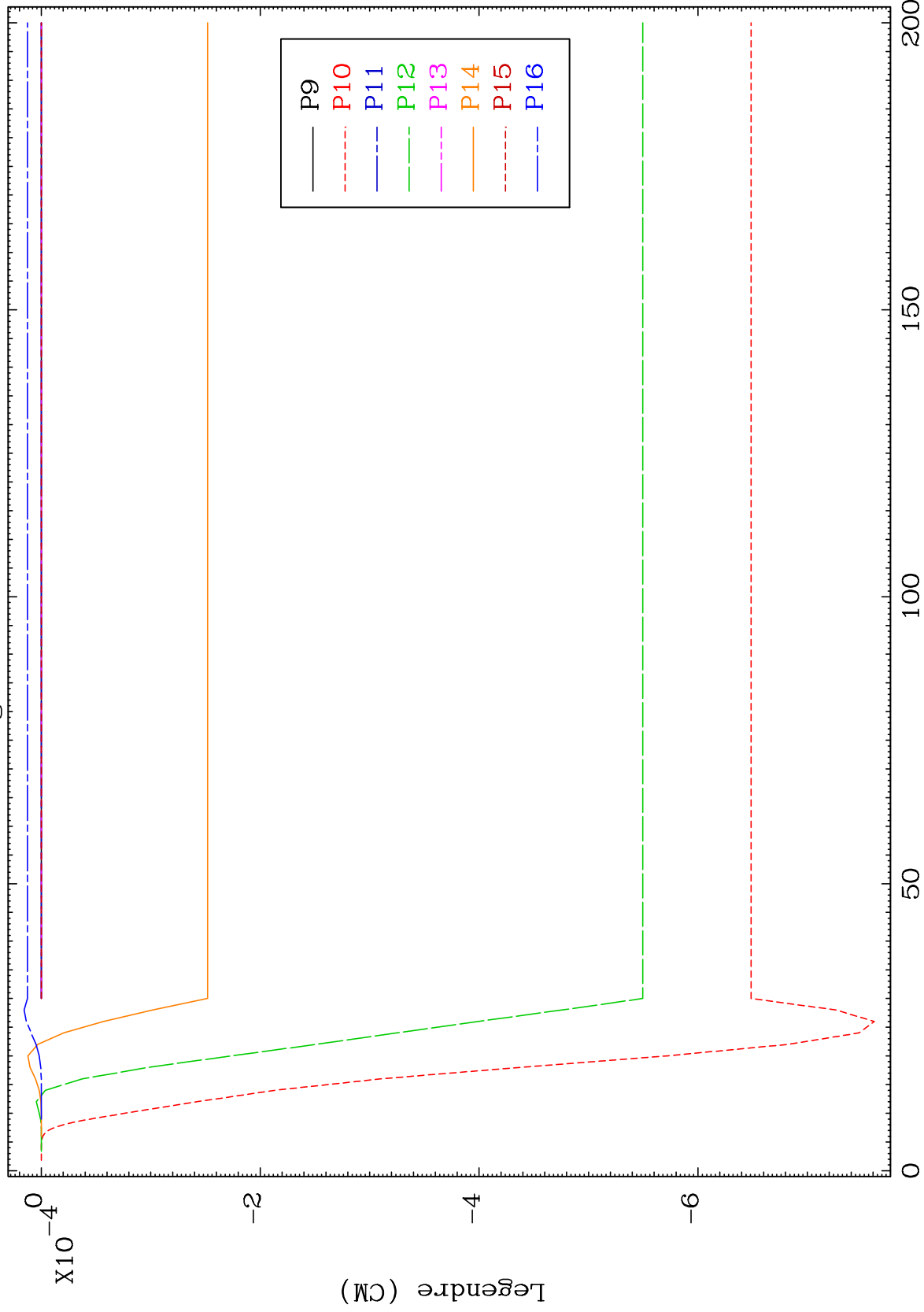
30

MAT 5304

MT= 54 (n,n') Level

53-I -120

Legendre Coefficients



31

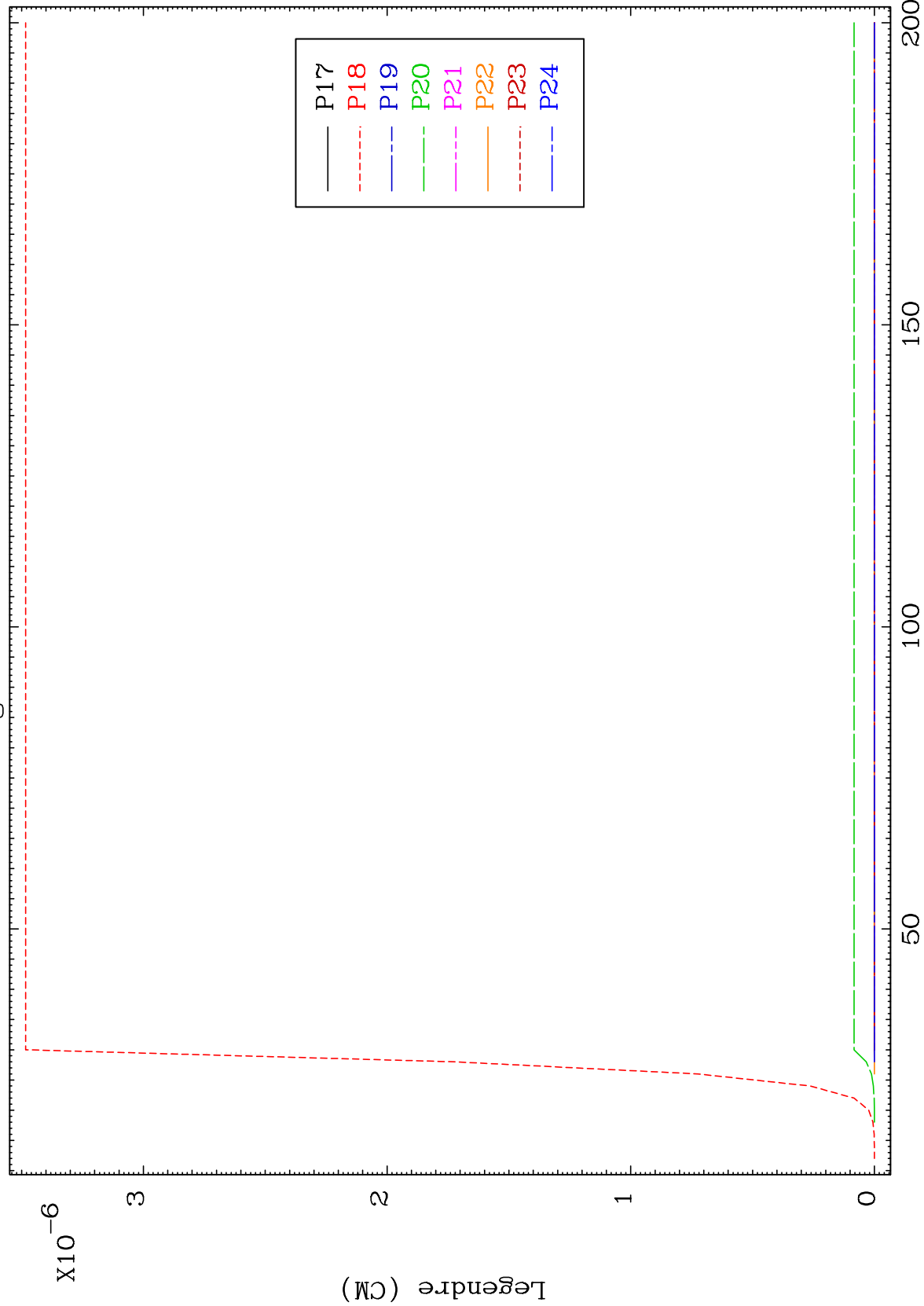
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



53-I -120

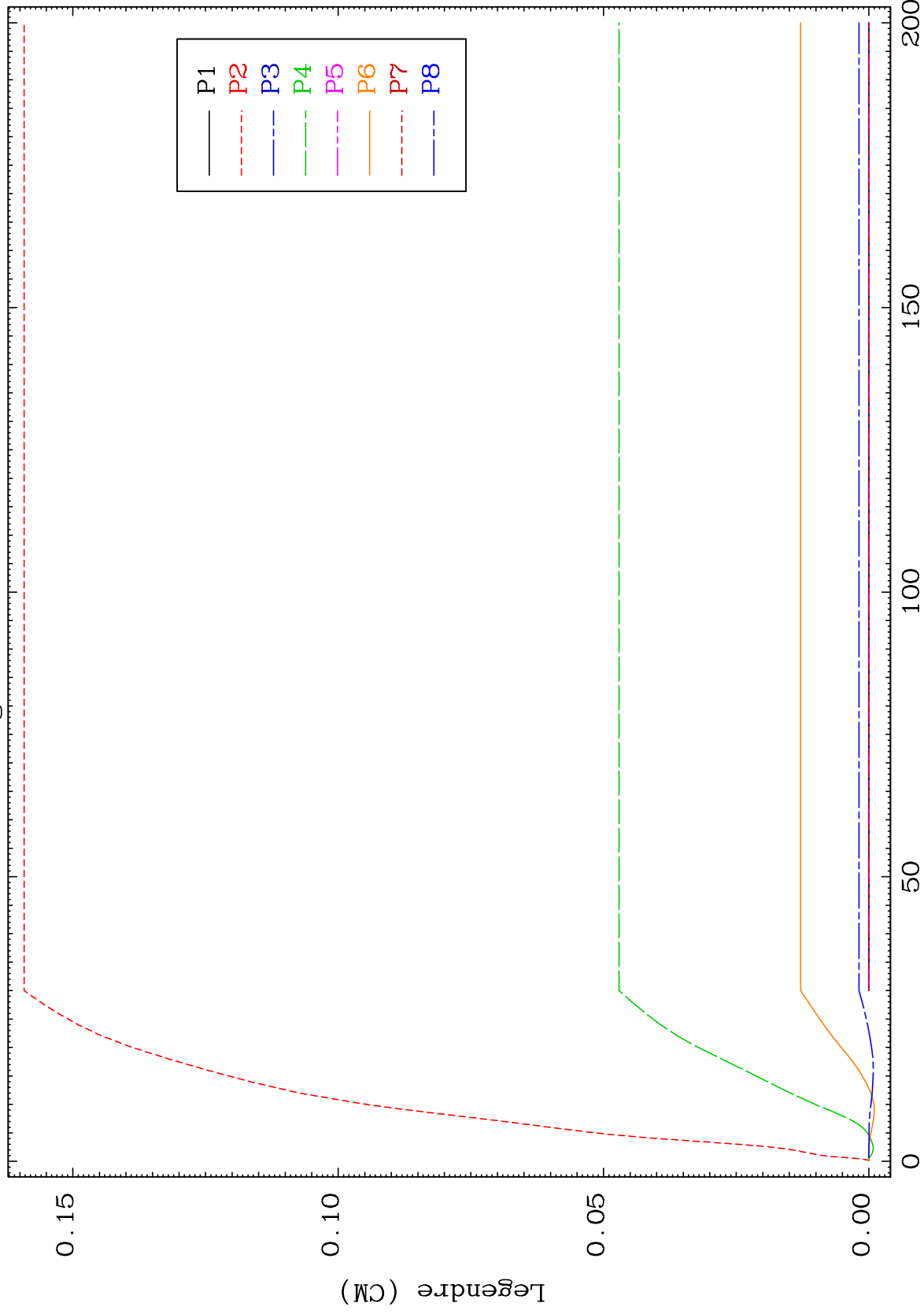
Incident Energy (MeV)

32

MAT 5304

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

53-I -120



53-I -120

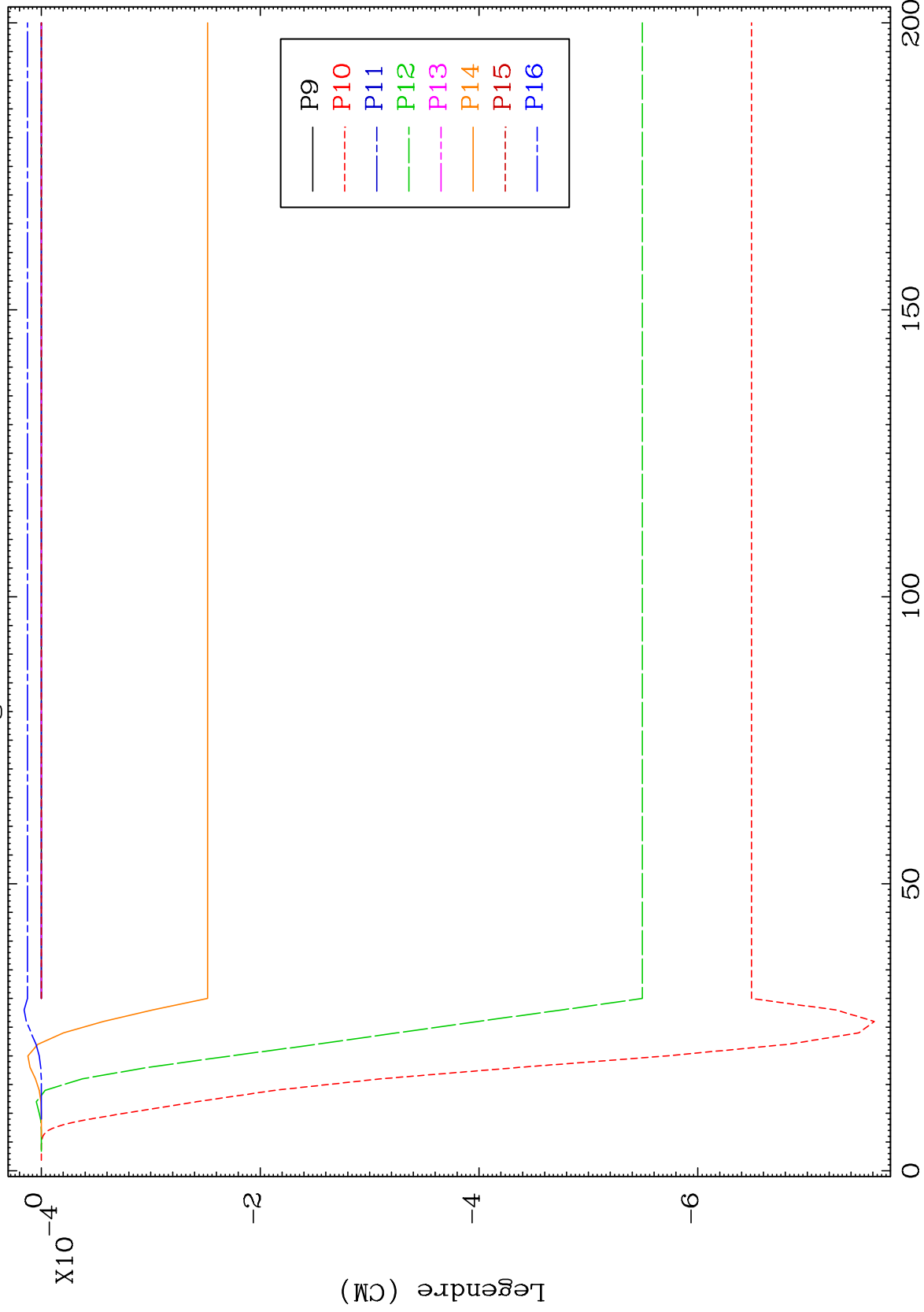
Incident Energy (MeV)

33

MAT 5304

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

53-I -120



34

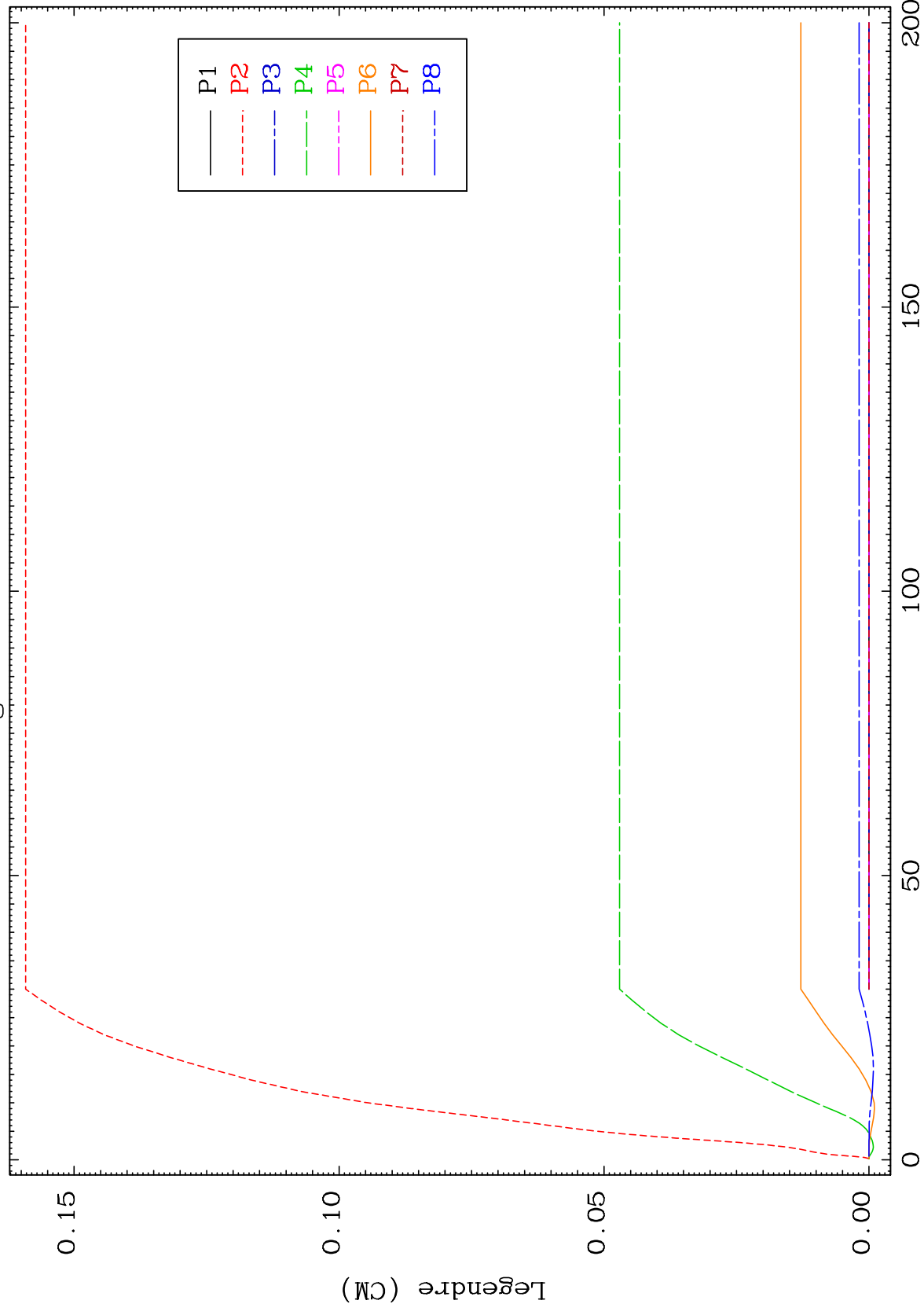
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



36

Incident Energy (MeV)

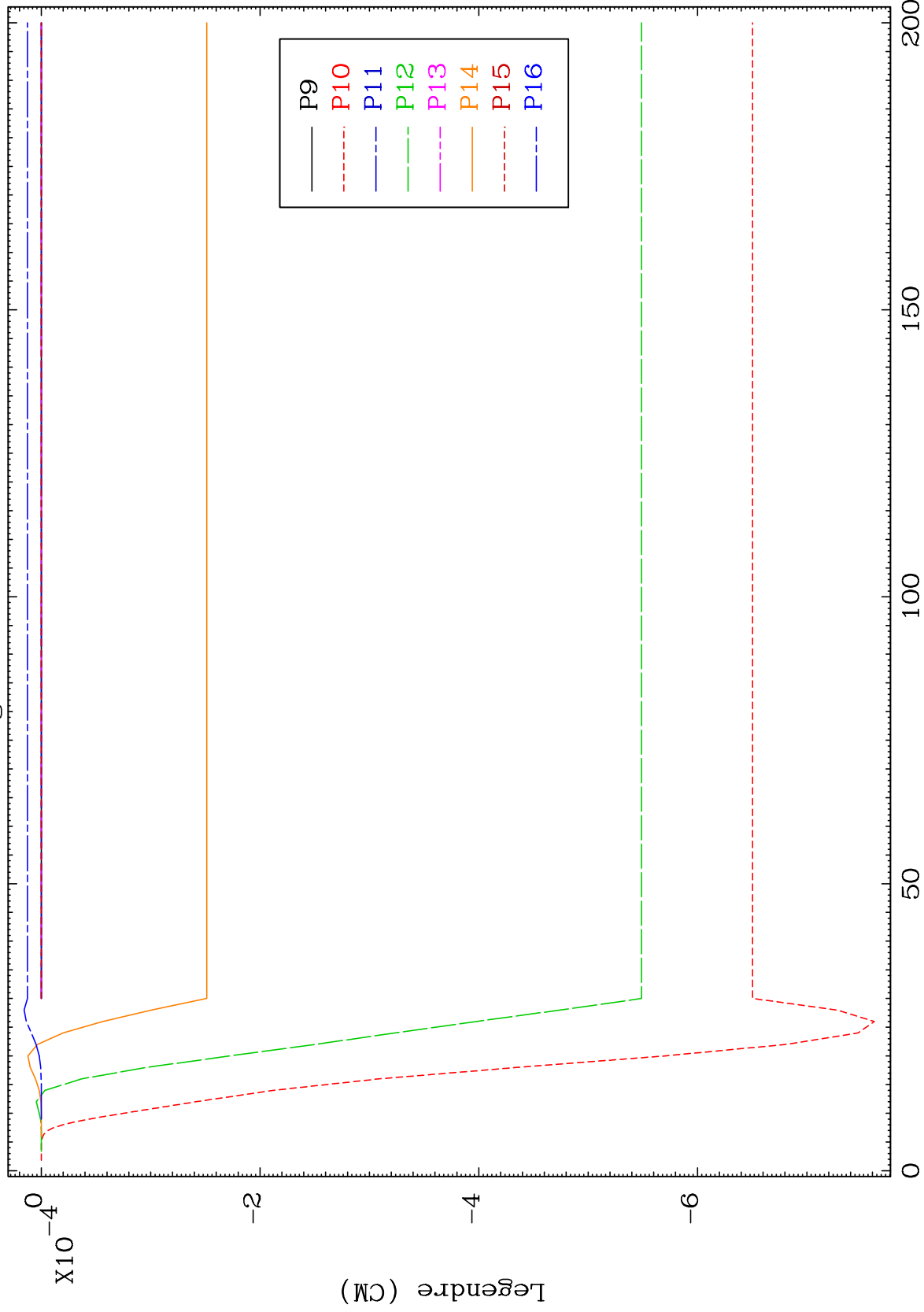
53-I -120

MAT 5304

MT= 56 (n,n') Level

53-I -120

Legendre Coefficients



37

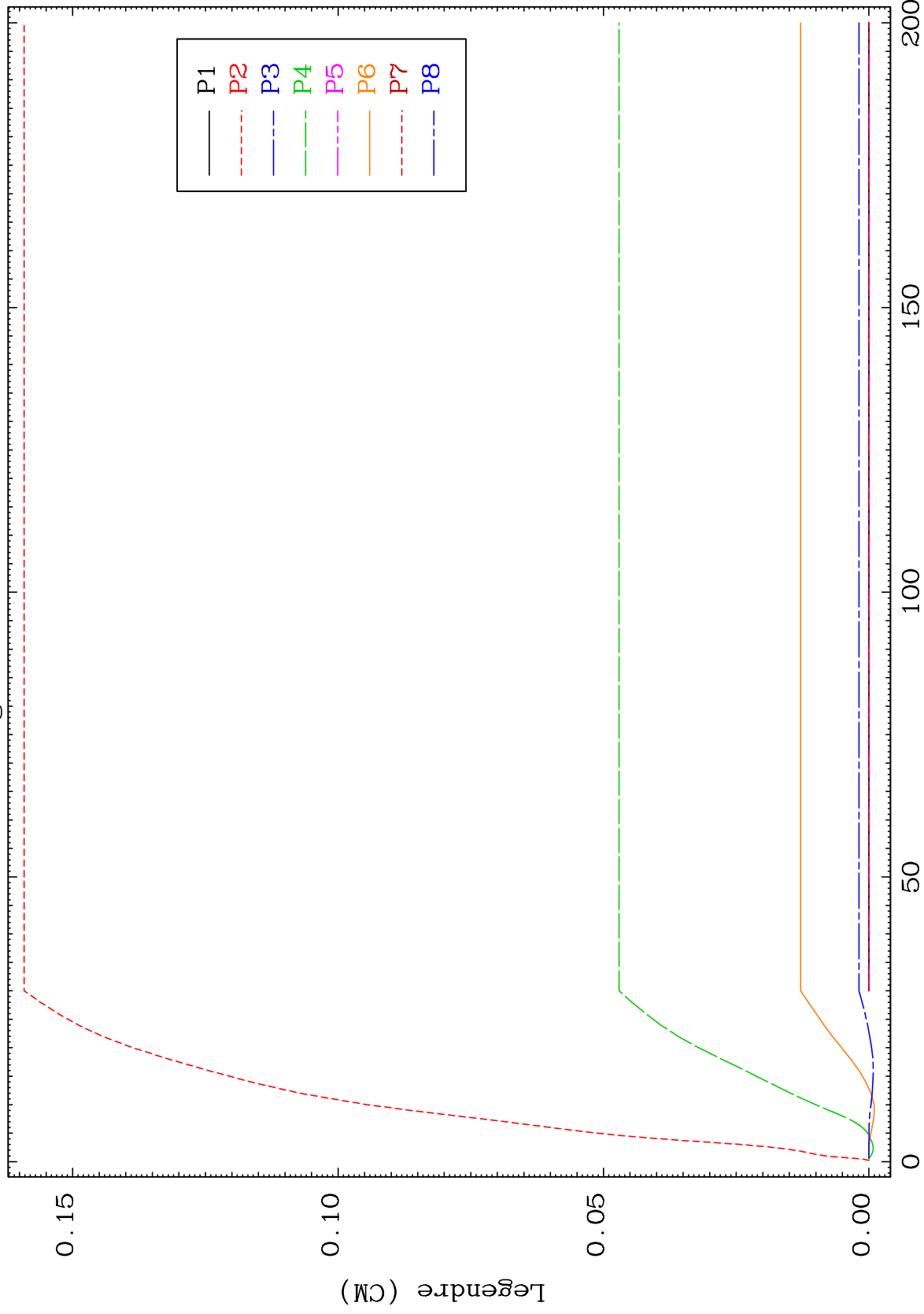
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



39

Incident Energy (MeV)

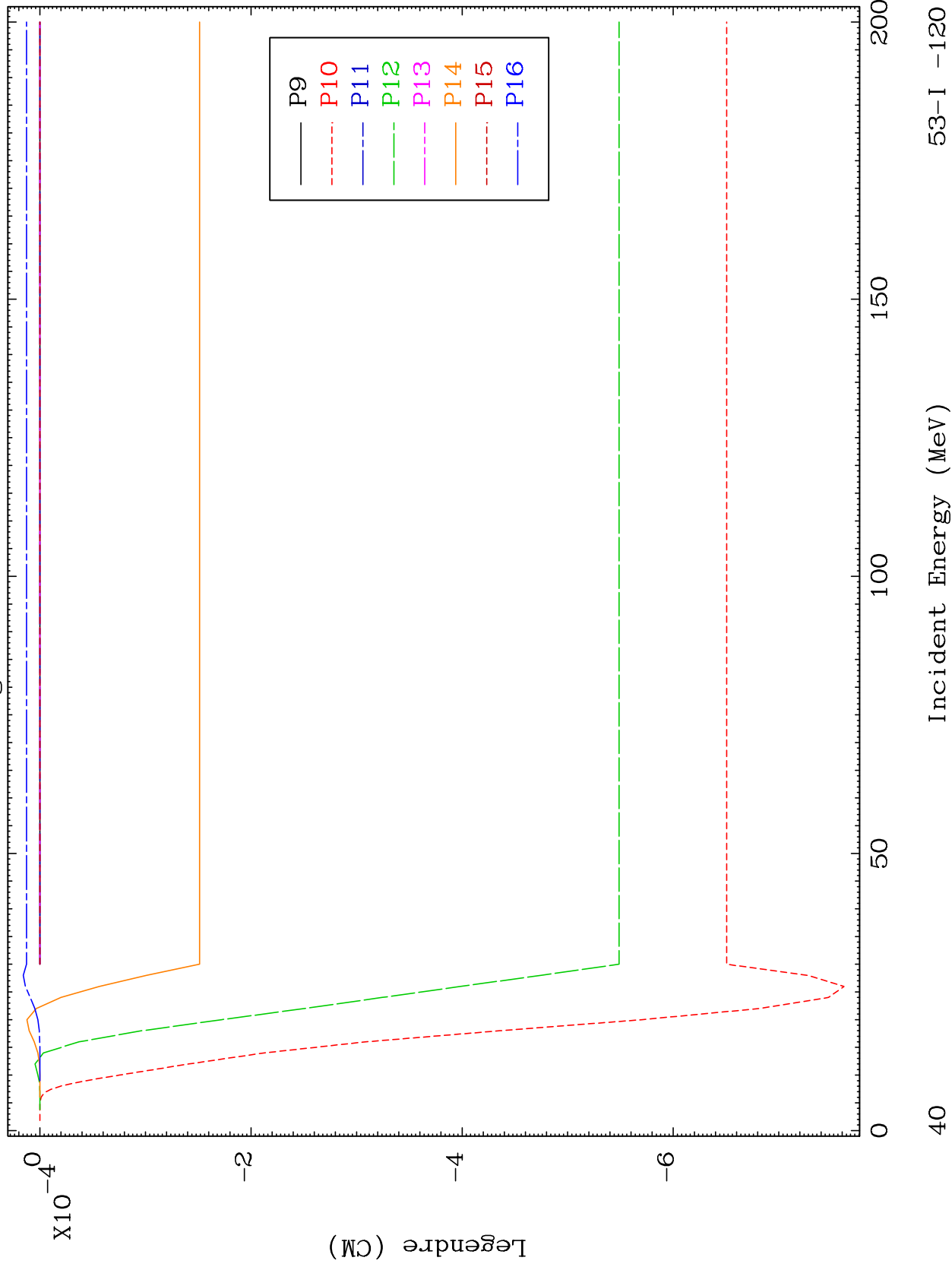
53-I -120

MAT 5304

MT= 57 (n,n') Level

53-I -120

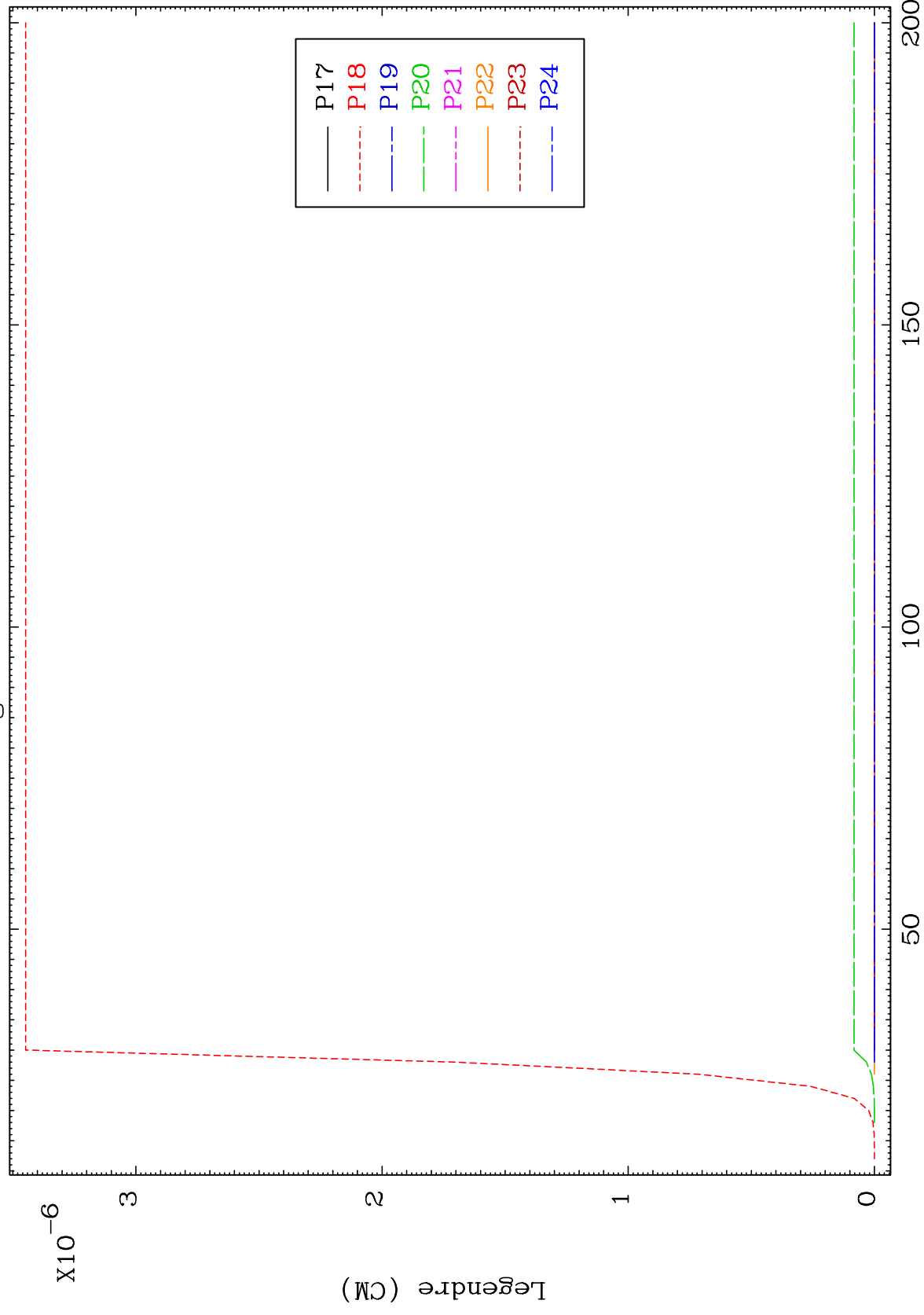
Legendre Coefficients



MAT 5304

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

53-I -120



41

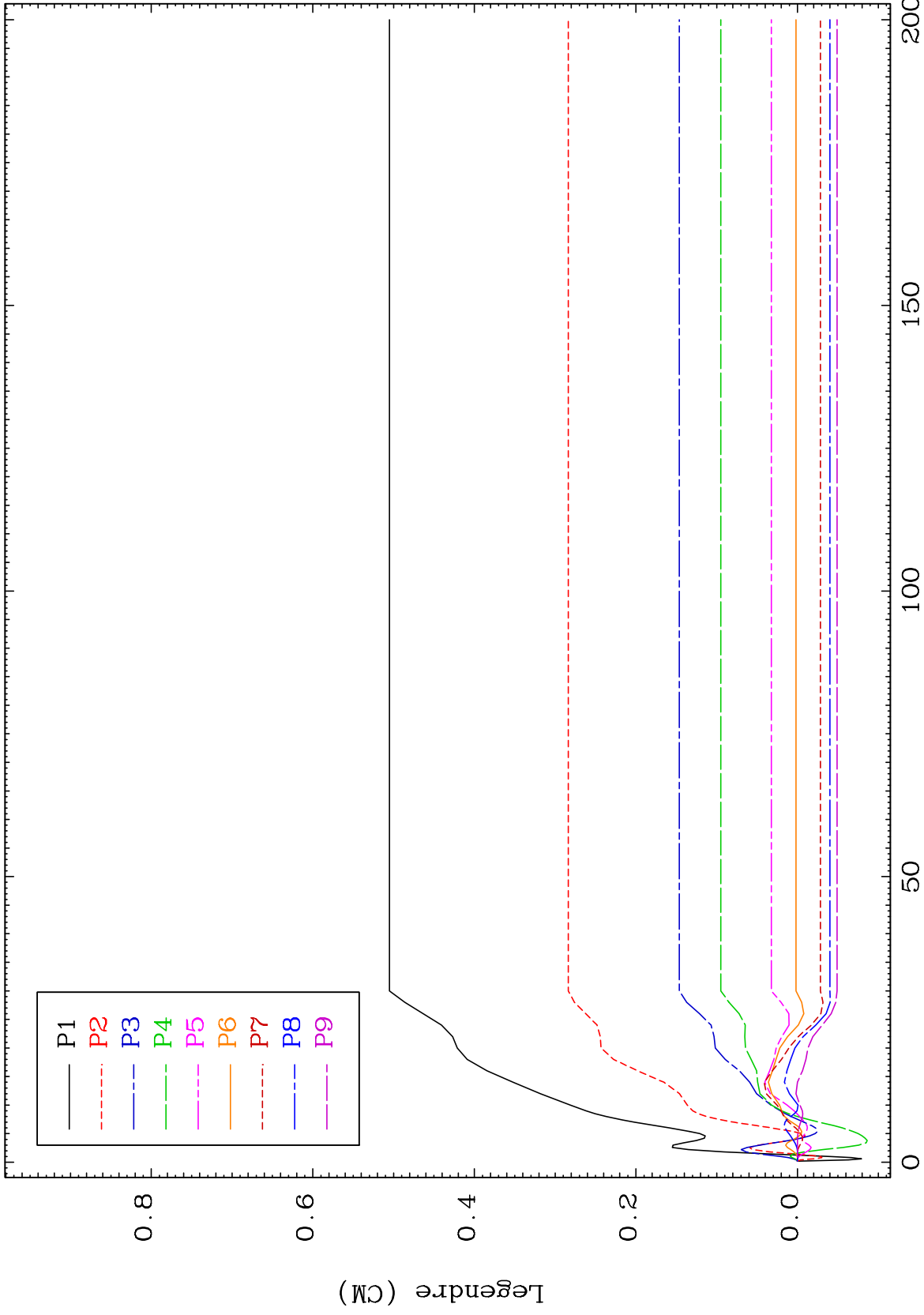
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



42

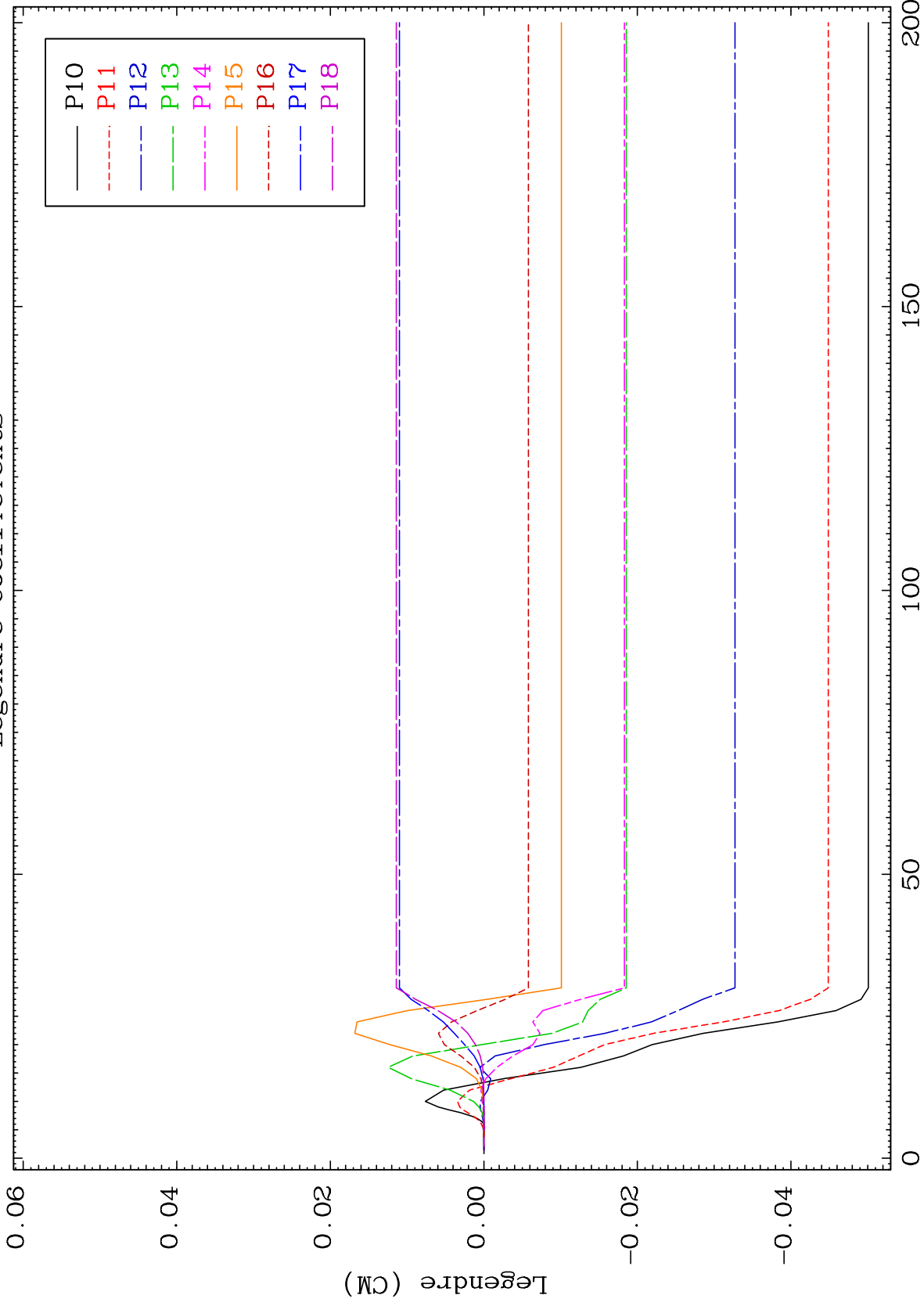
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



43

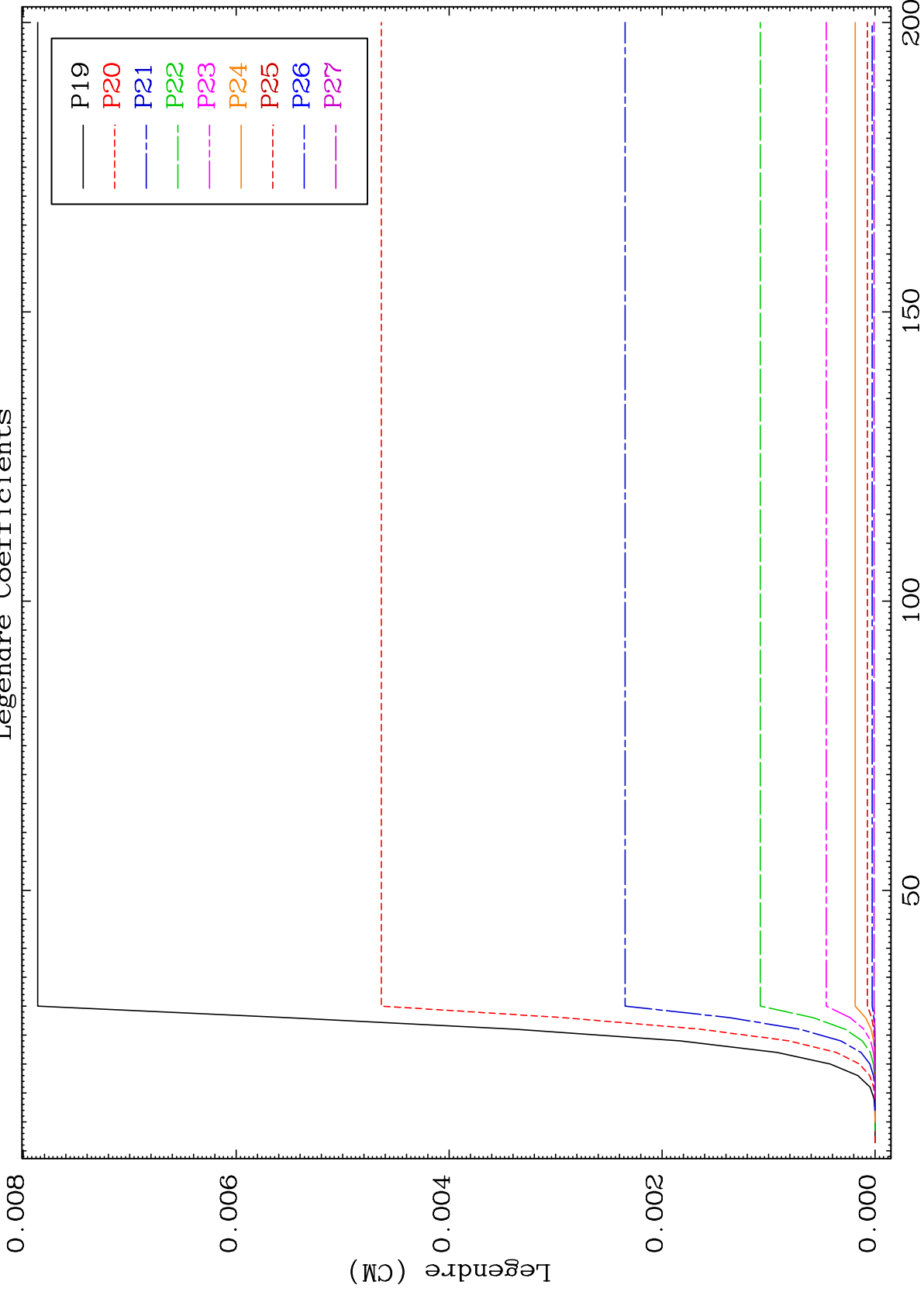
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



44

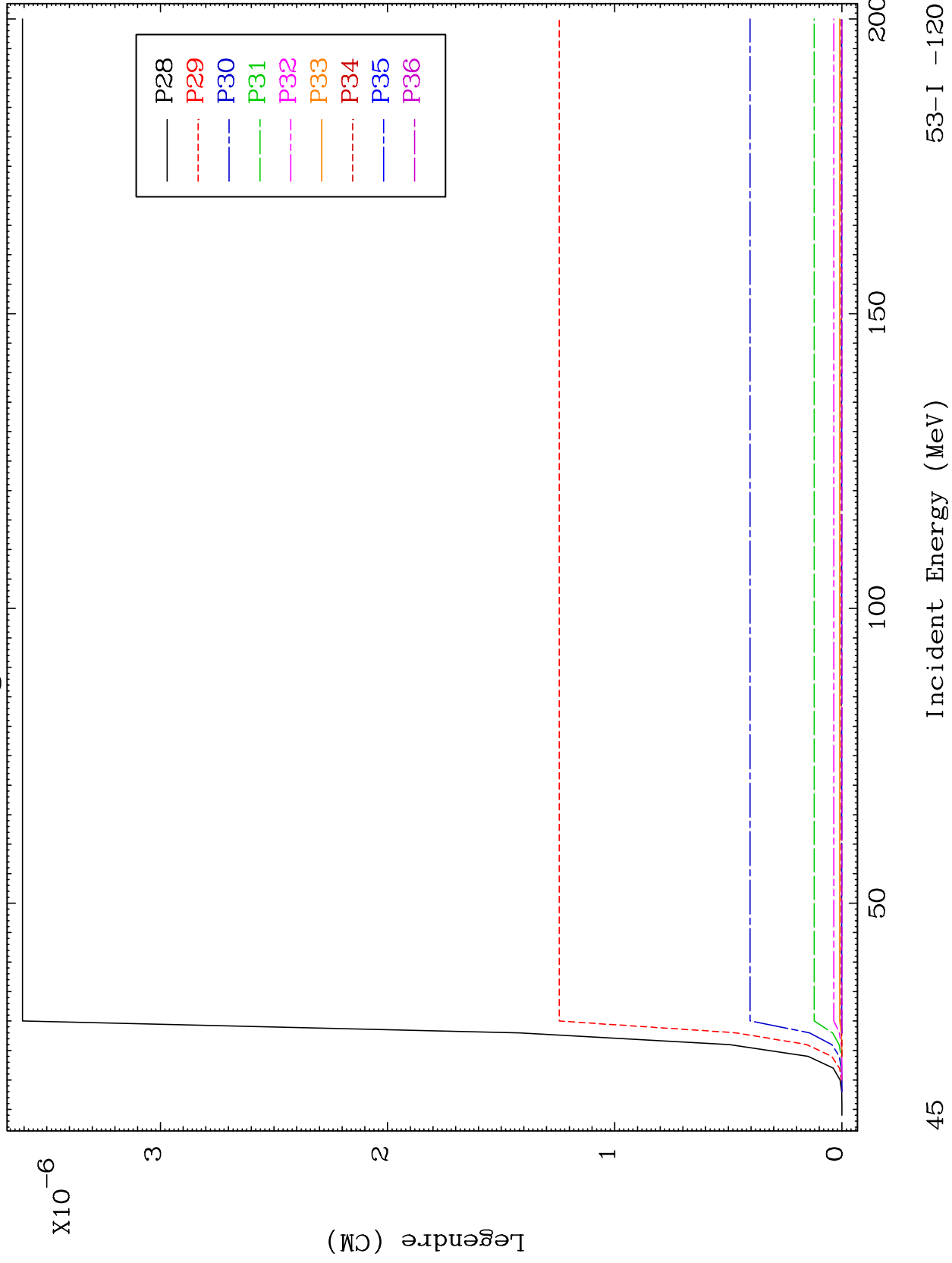
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



45

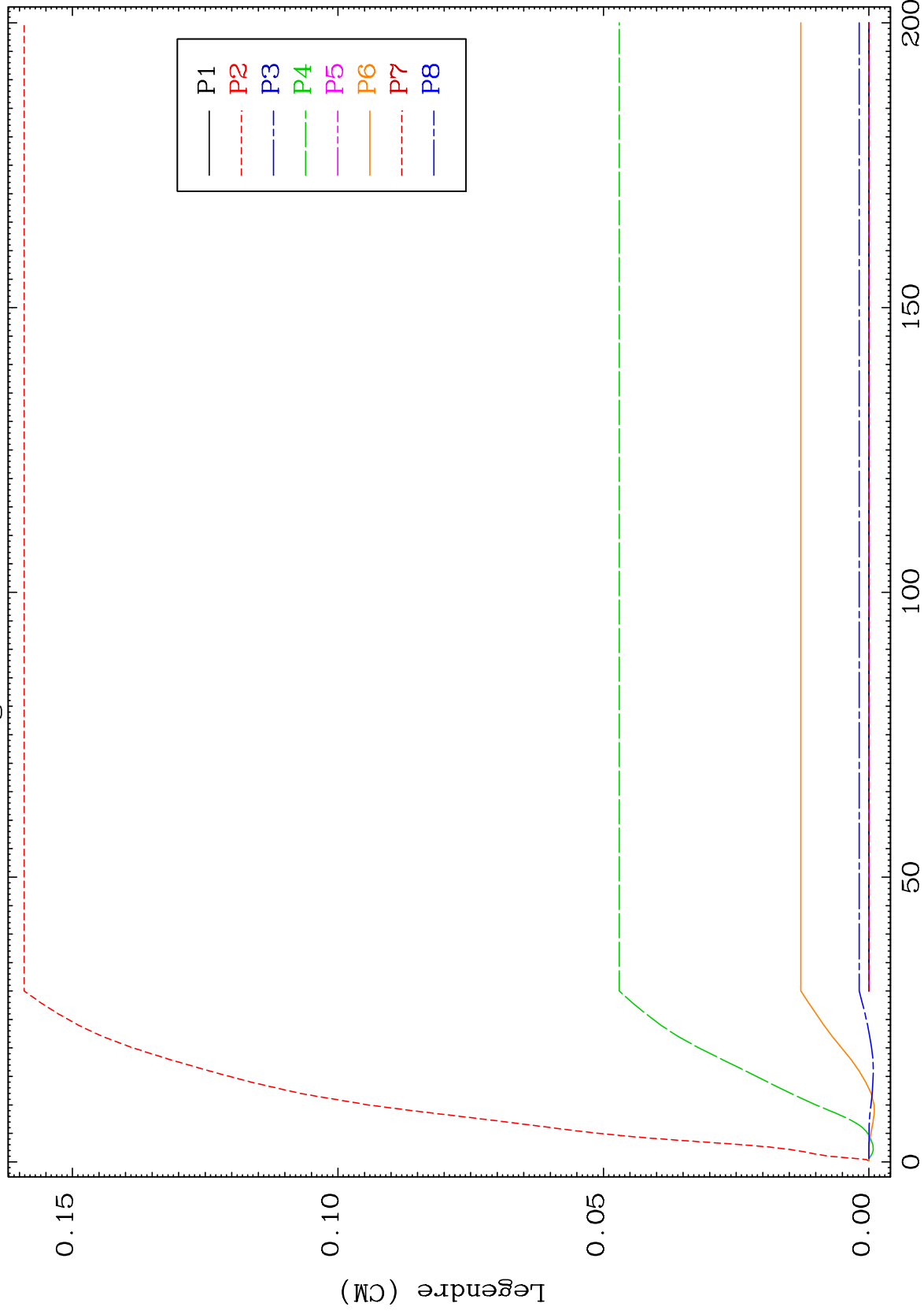
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



46

Incident Energy (MeV)

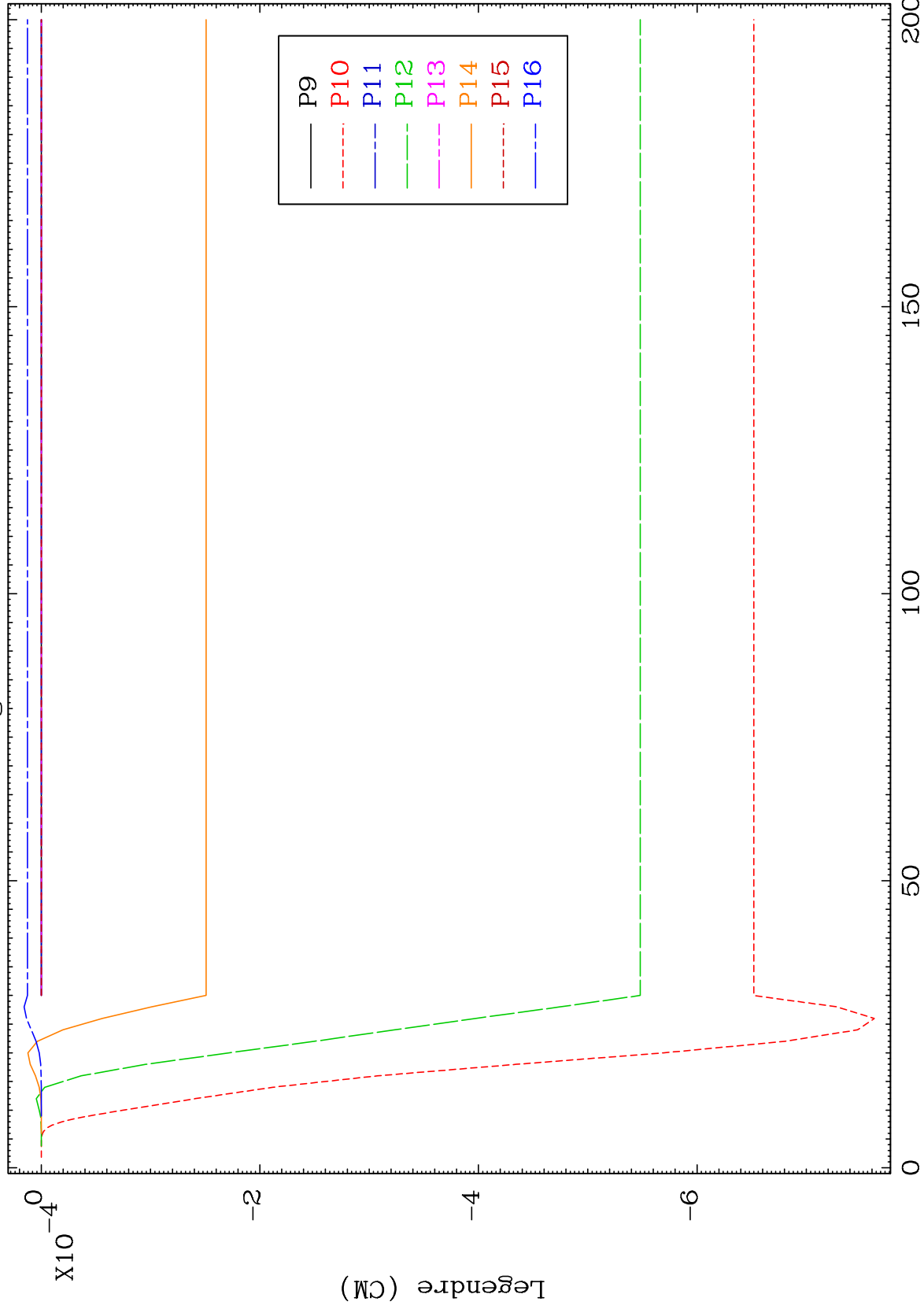
53-I -120

MAT 5304

MT= 59 (n,n') Level

53-I -120

Legendre Coefficients



47

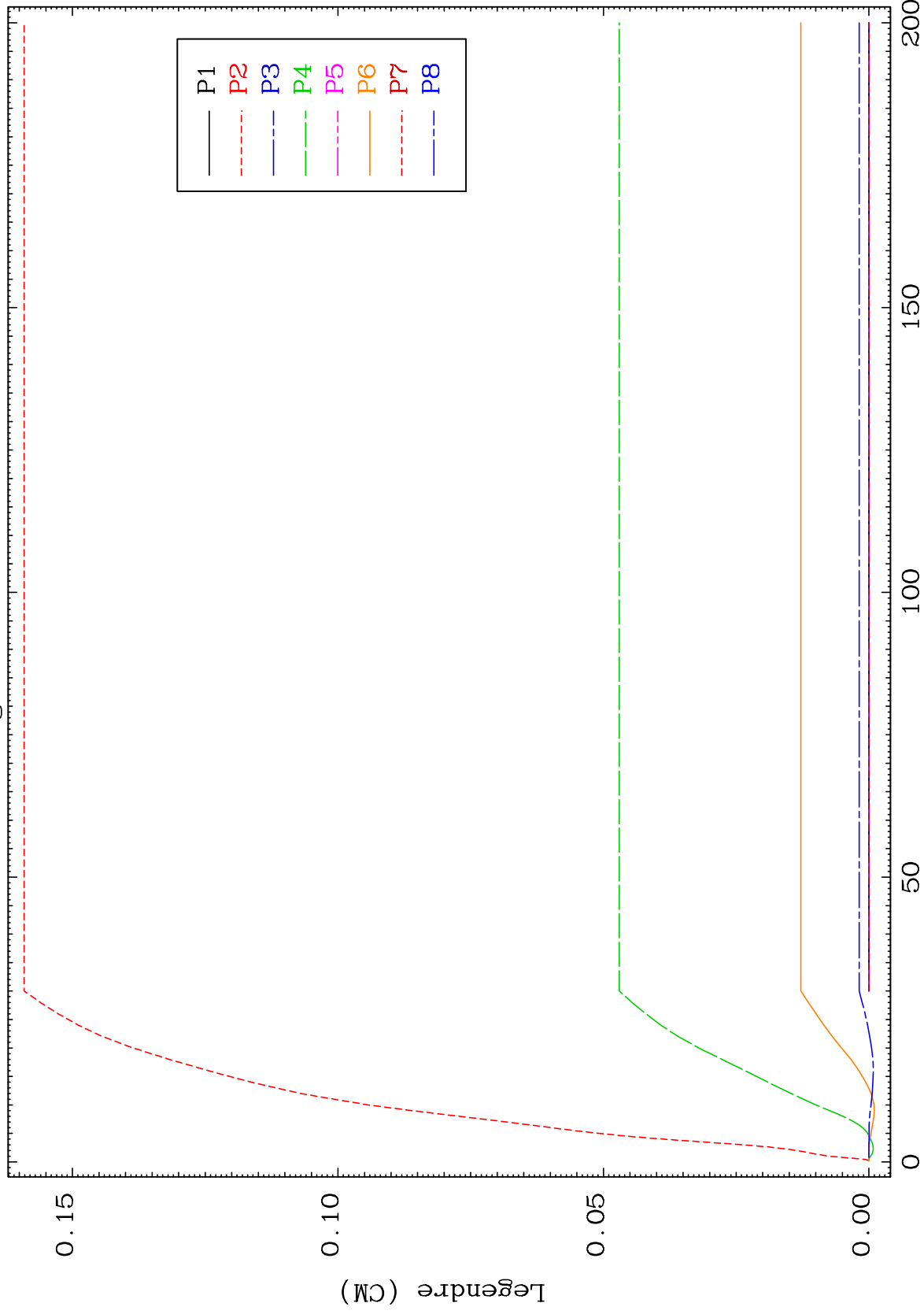
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



49

Incident Energy (MeV)

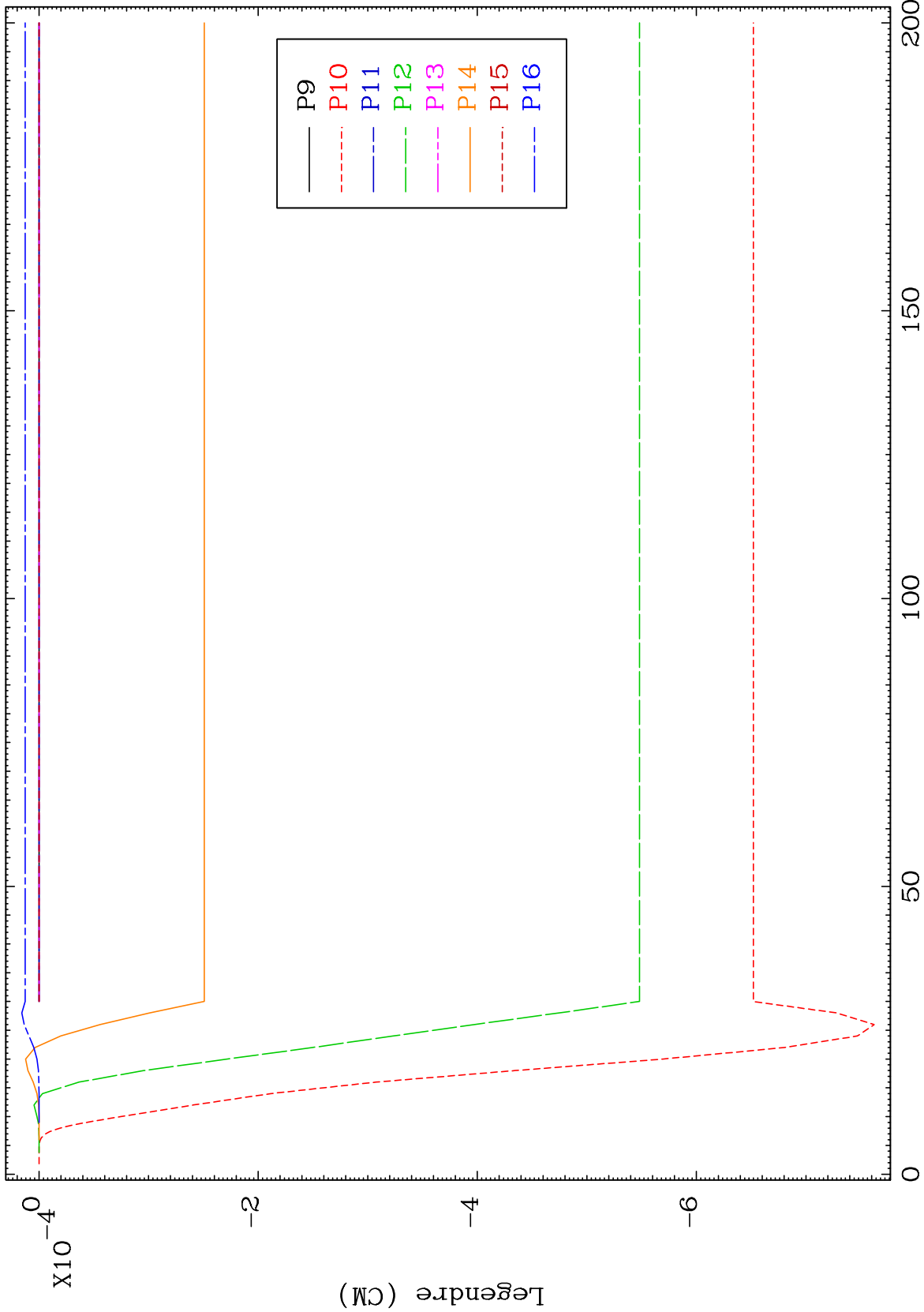
53-I -120

MAT 5304

MT= 60 (n,n') Level

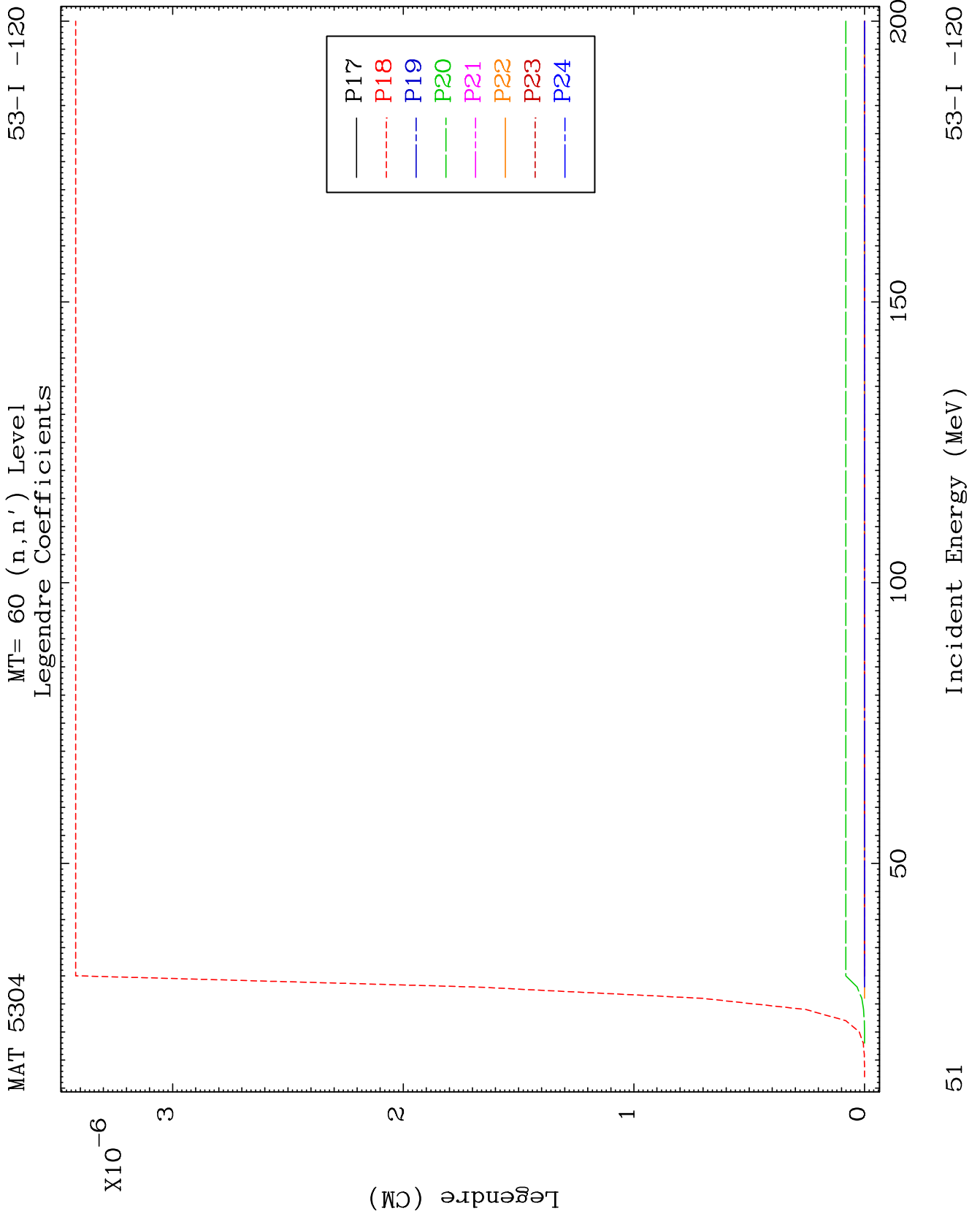
53-I -120

Legendre Coefficients



Incident Energy (MeV)

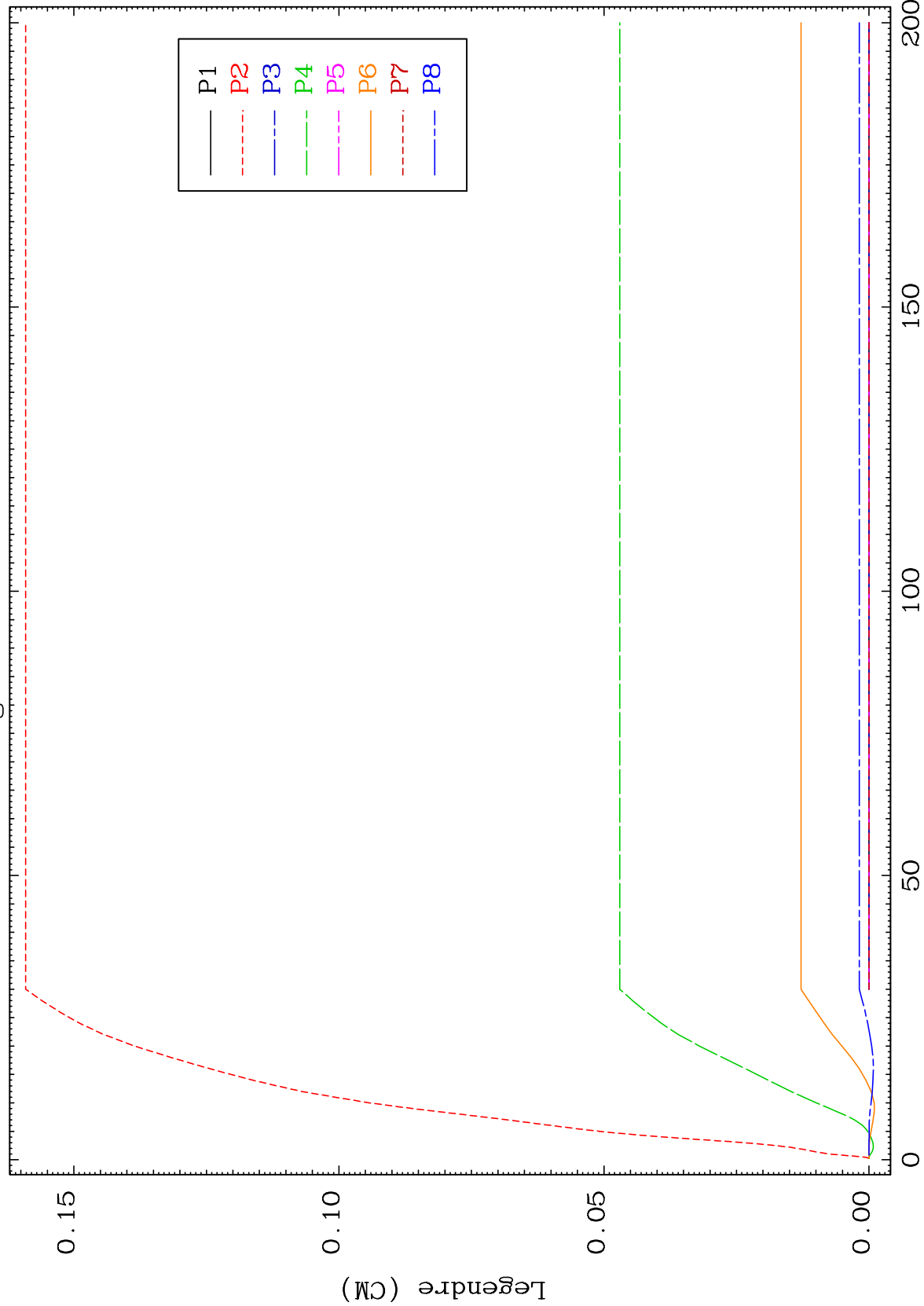
53-I -120



MAT 5304

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

53-I -120



52

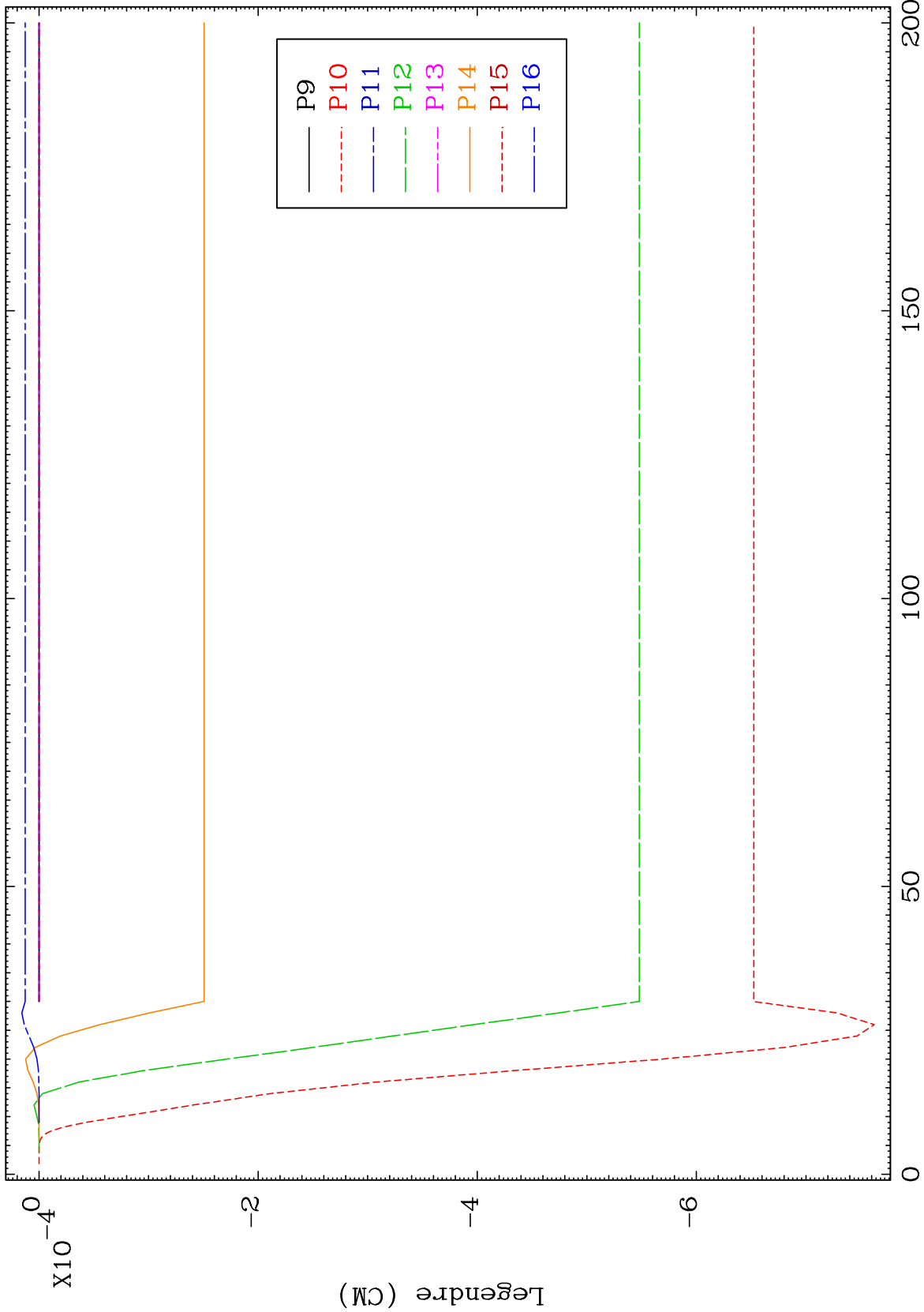
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



53

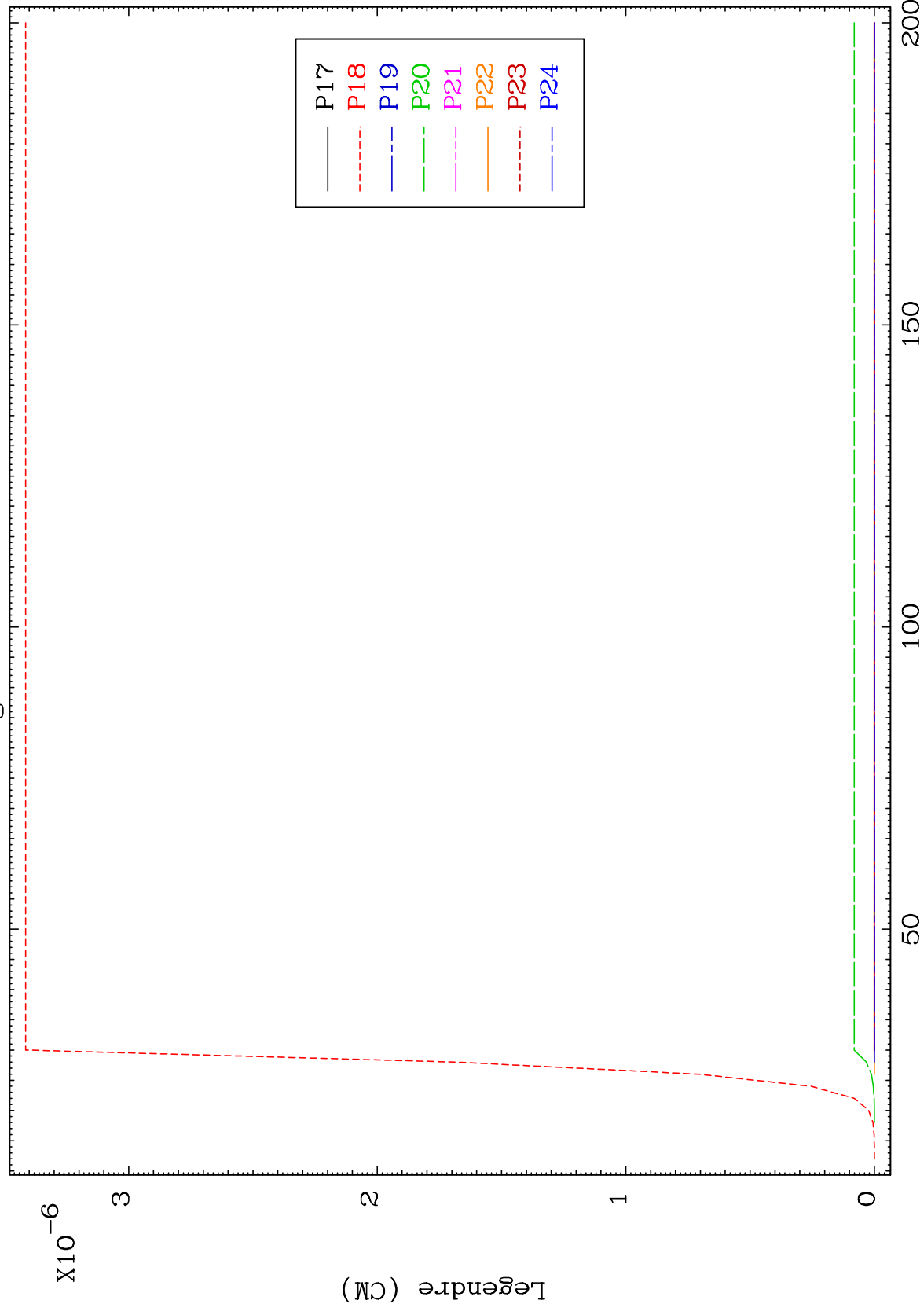
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



54

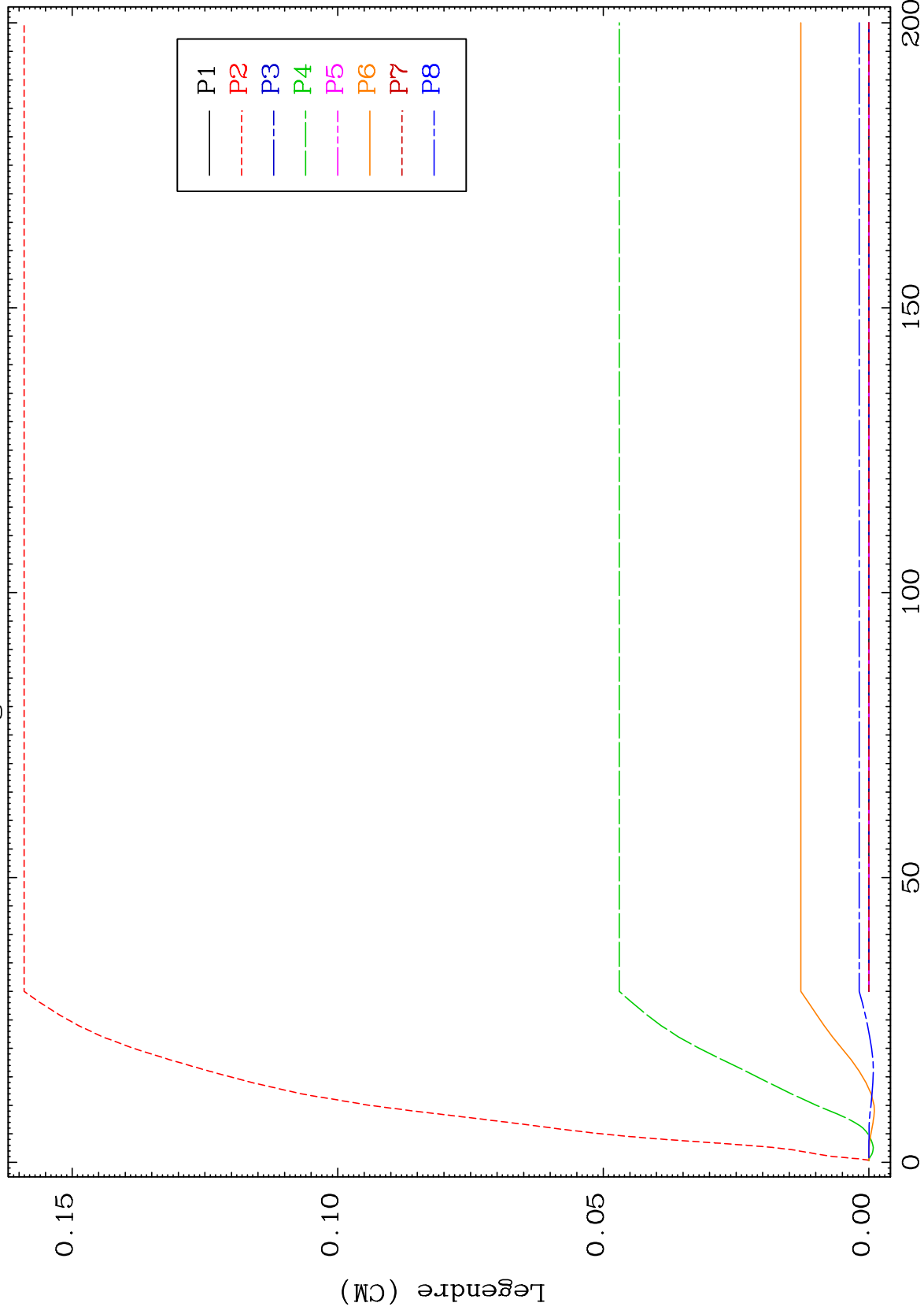
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



53-I -120

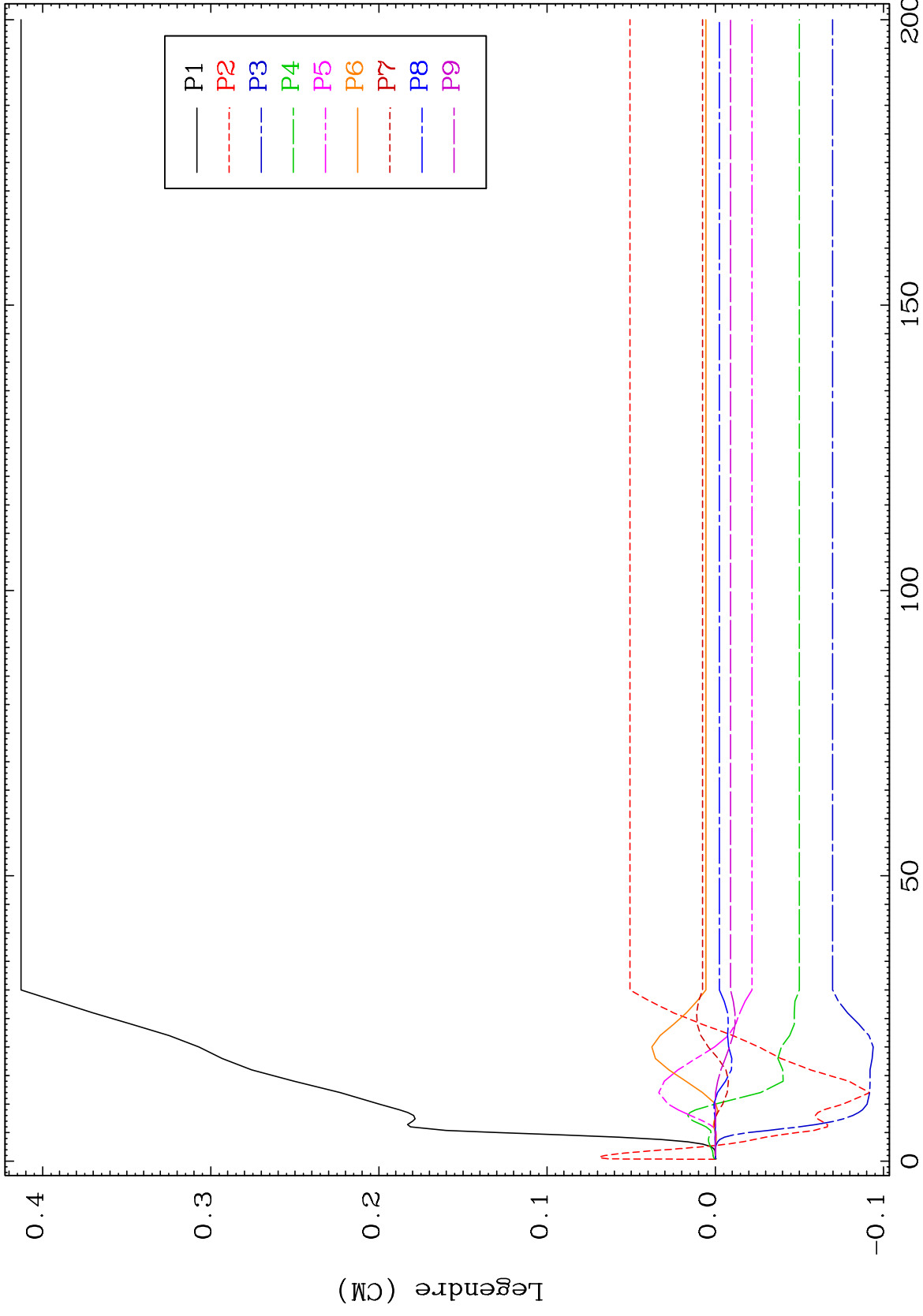
Incident Energy (MeV)

55

MAT 5304

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

53-I -120



58

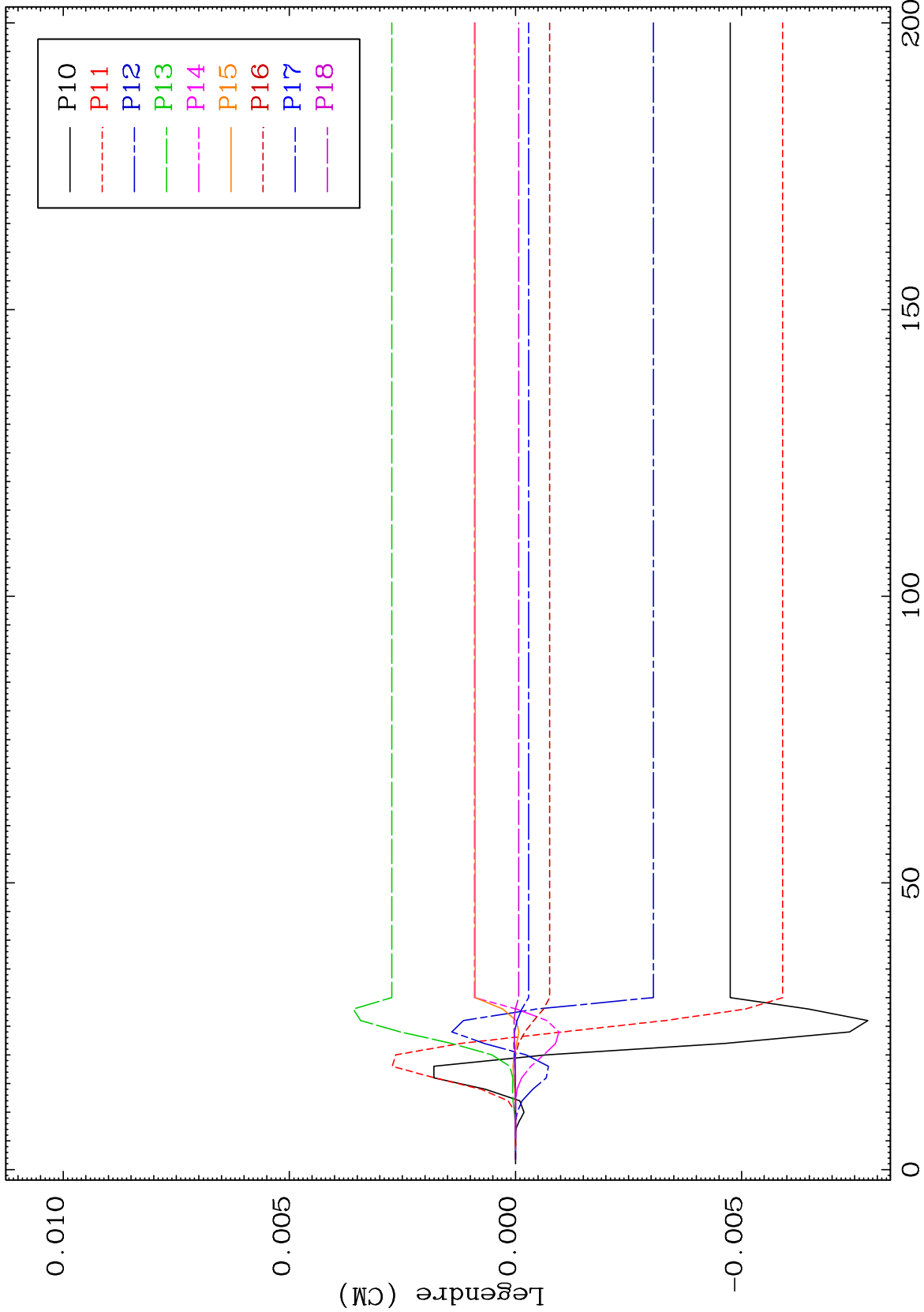
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



59

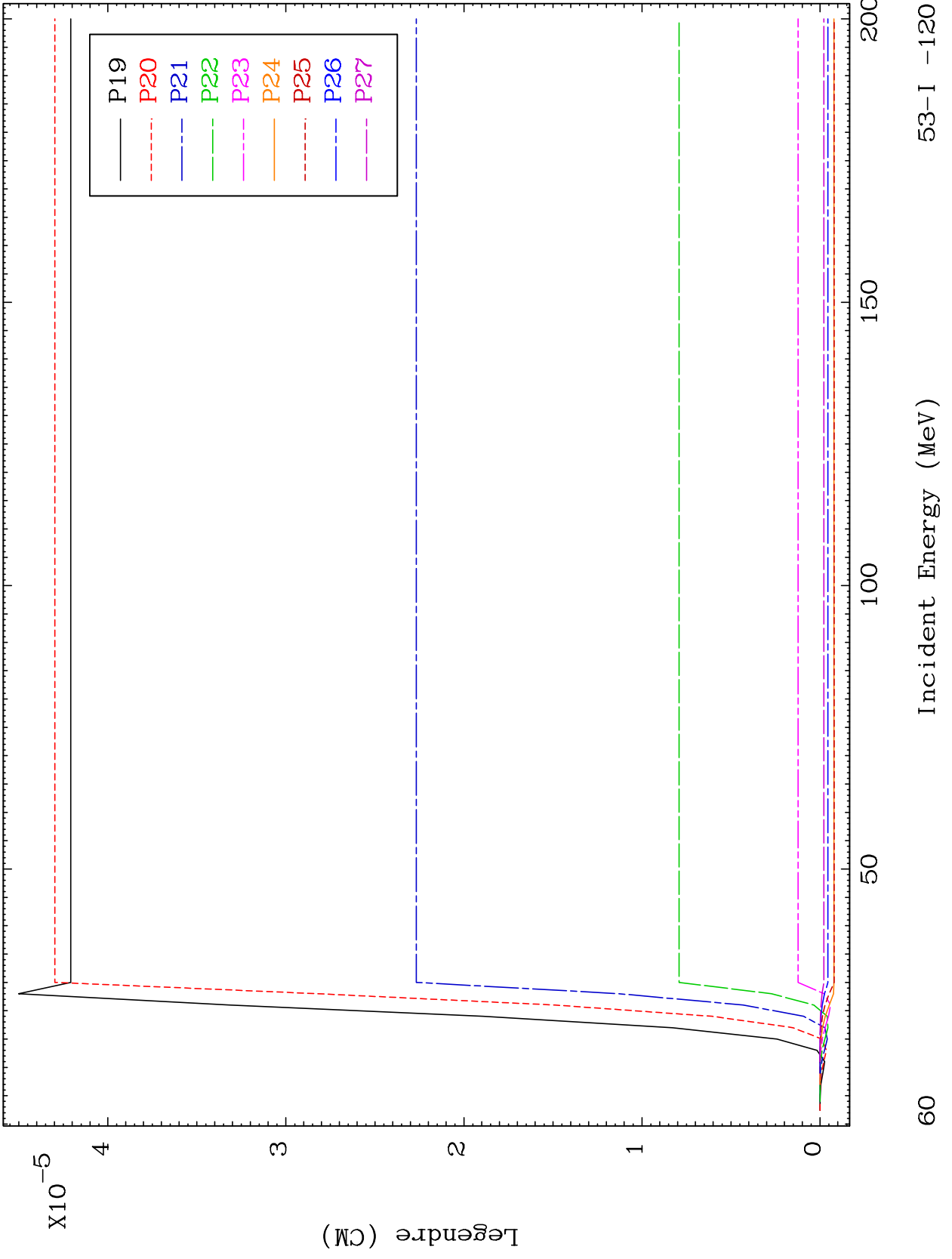
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120

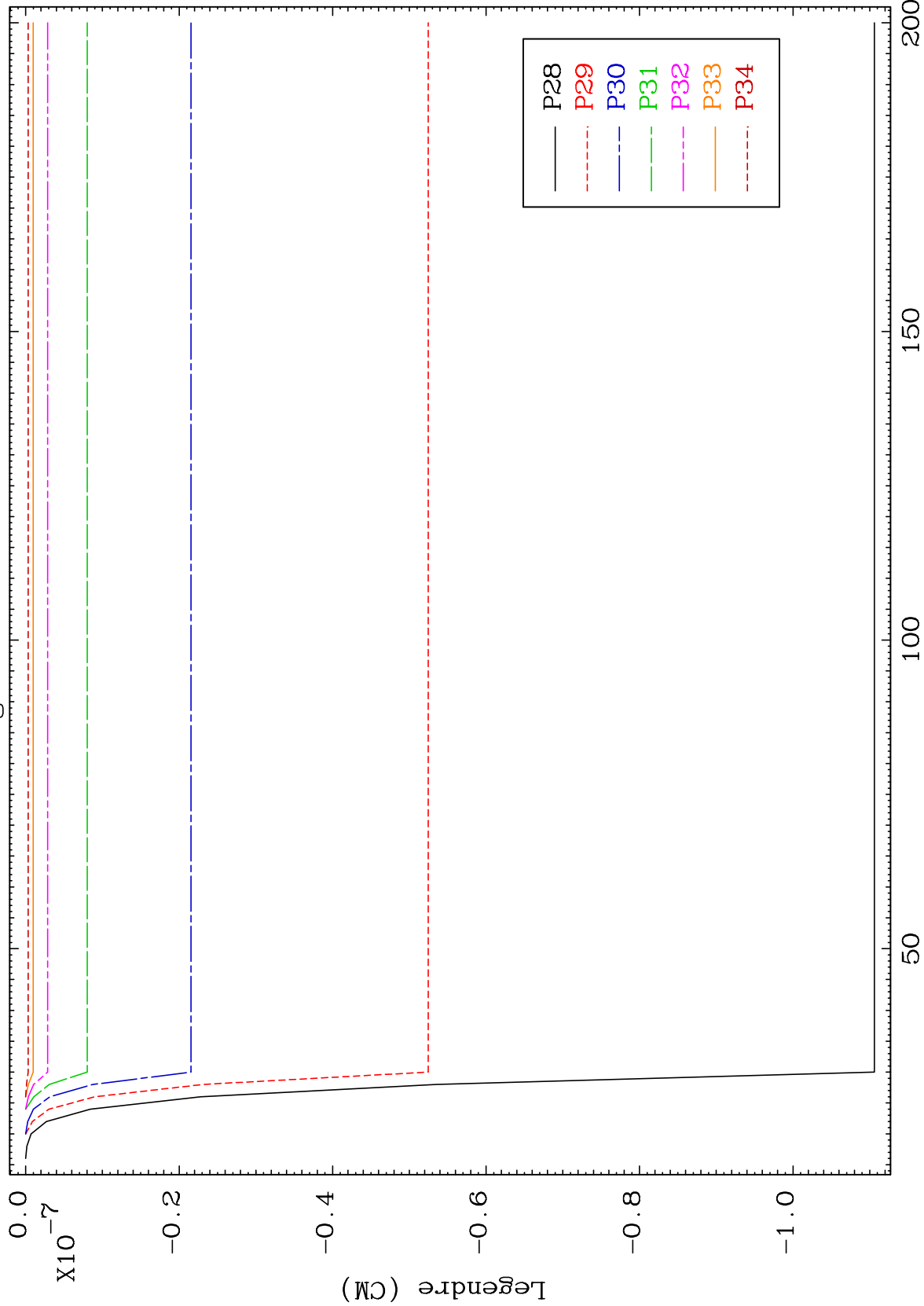


MAT 5304

MT= 63 (n,n') Level

53-I -120

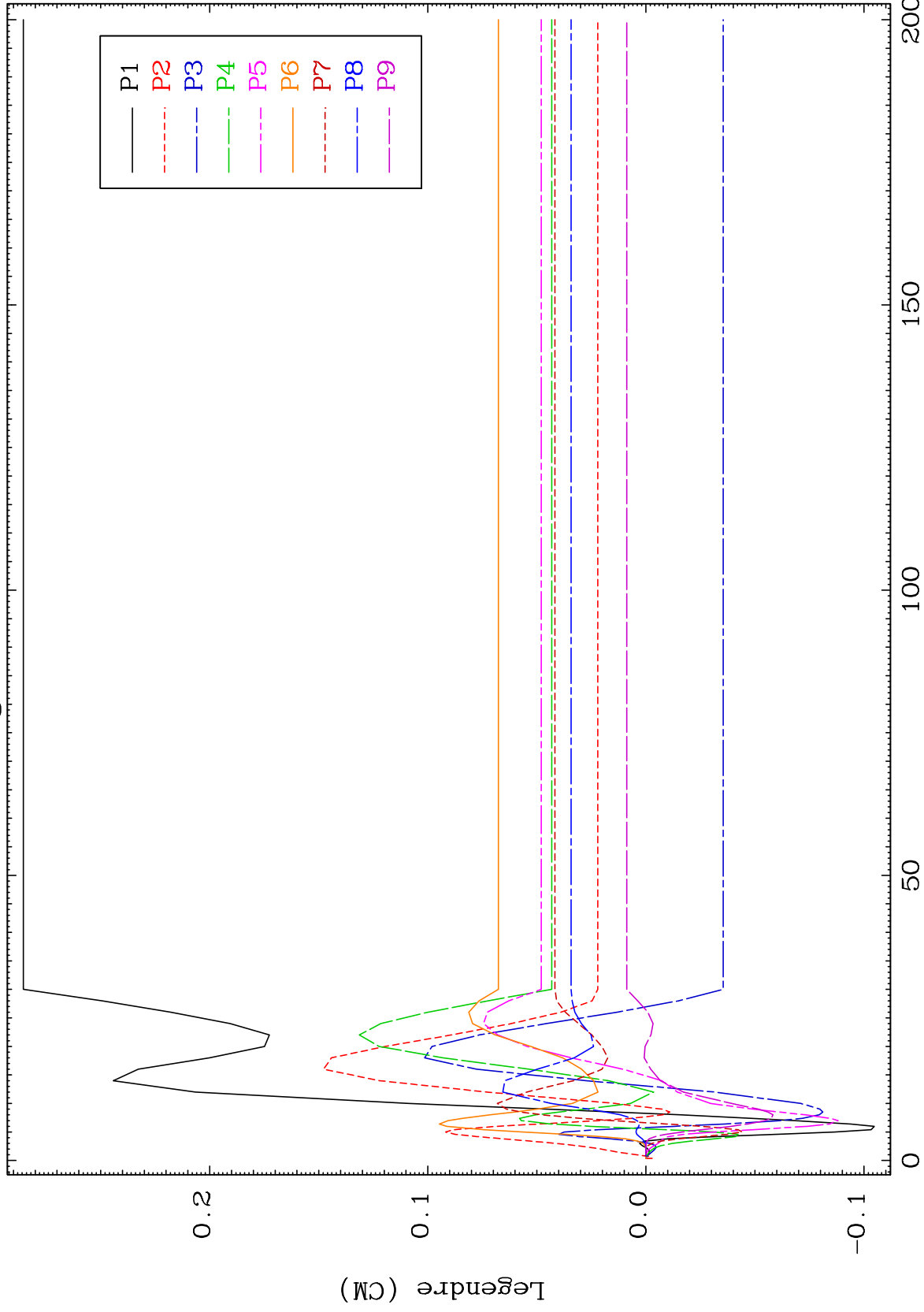
Legendre Coefficients



MAT 5304

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

53-I -120



62

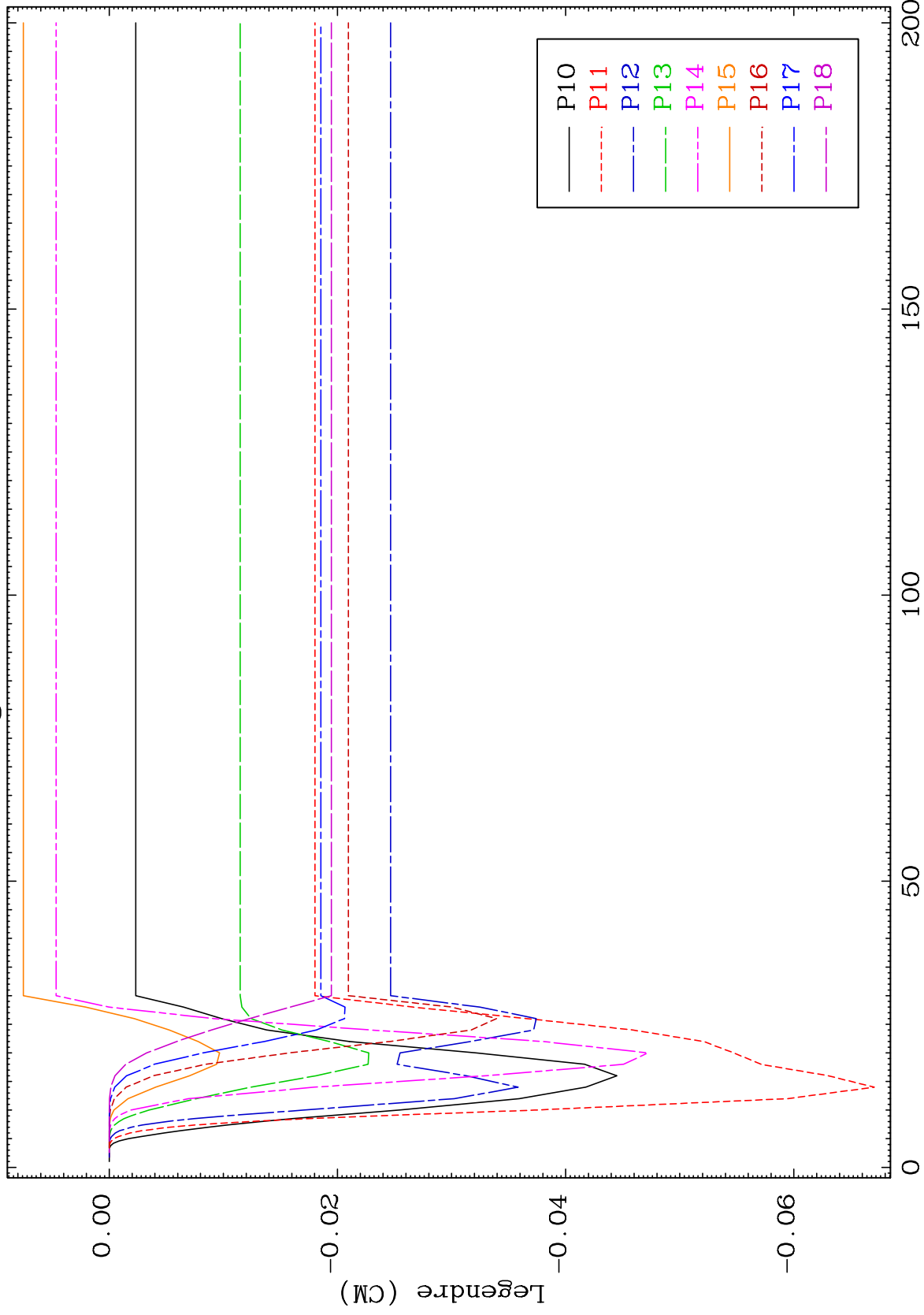
Incident Energy (MeV)

53-I -120

MAT 5304

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

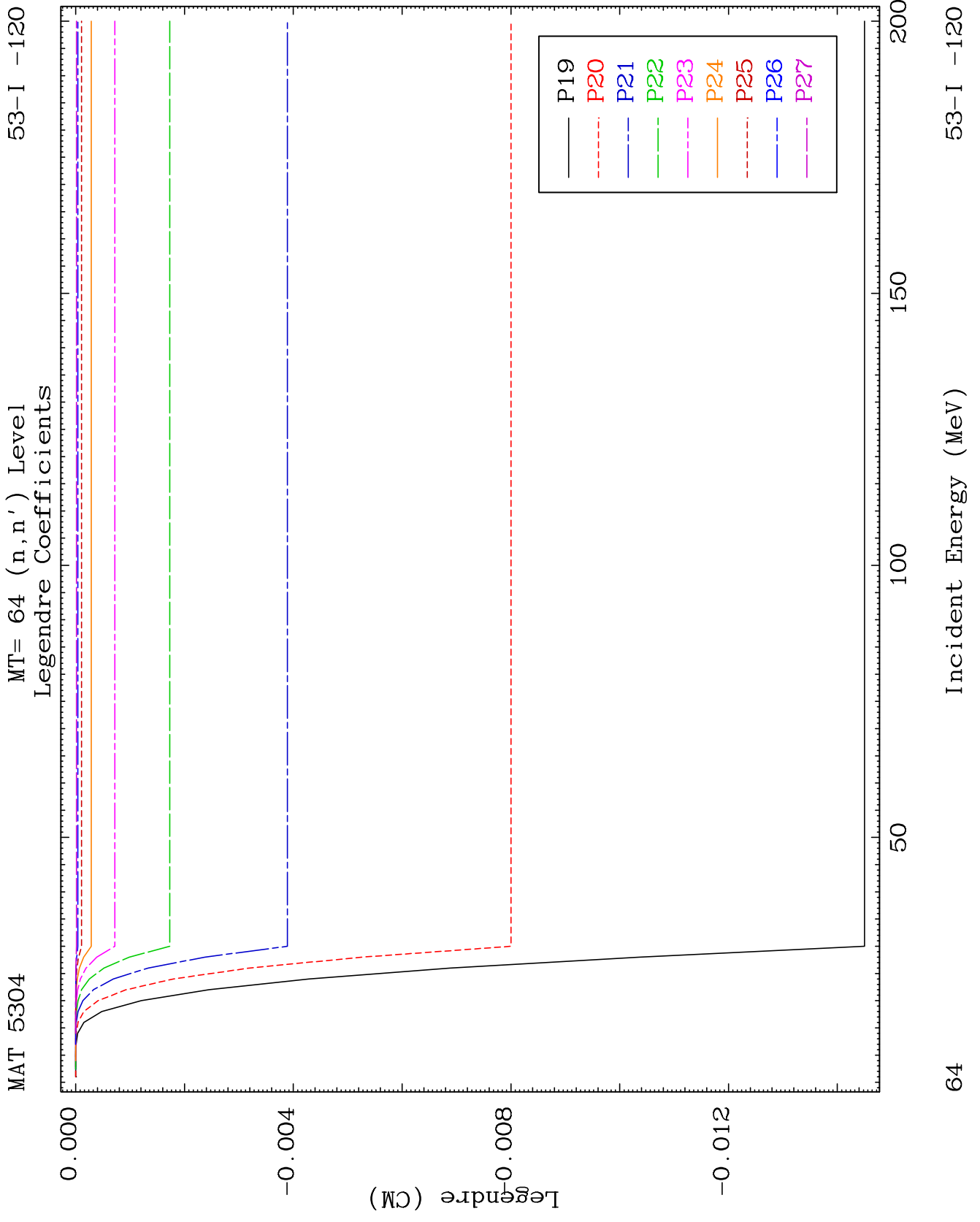
53-I -120

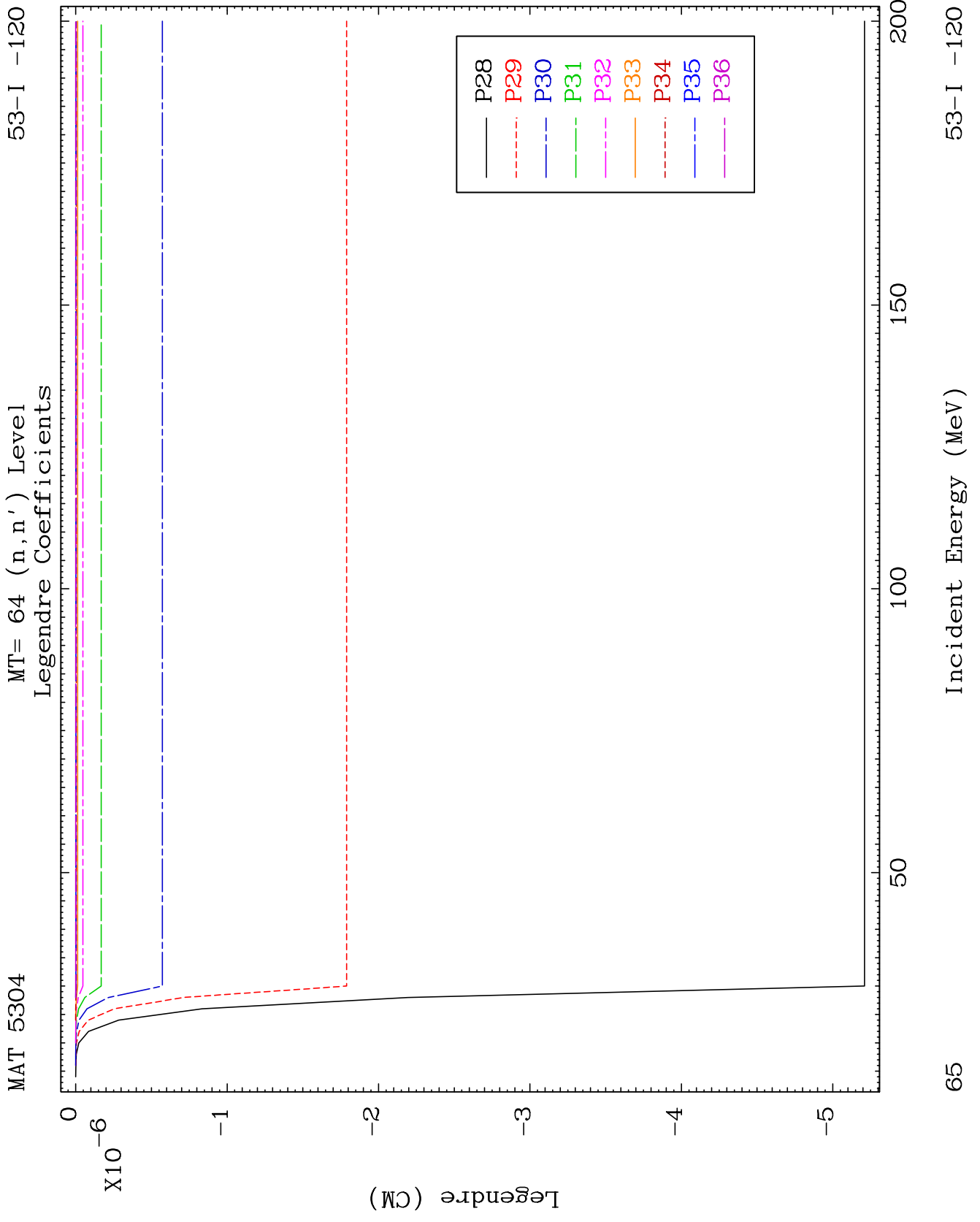


63

Incident Energy (MeV)

53-I -120

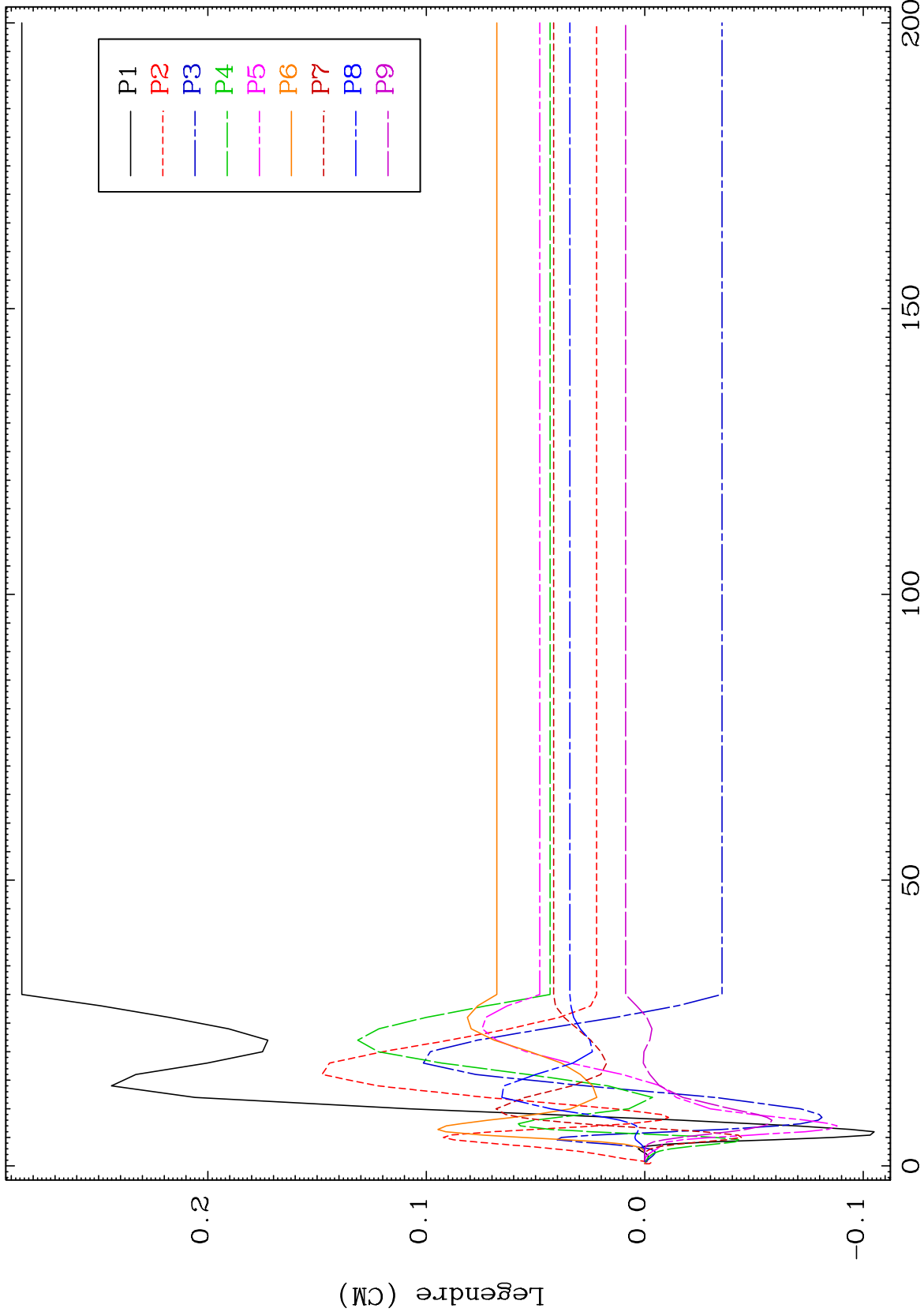




MAT 5304

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

53-I -120



66

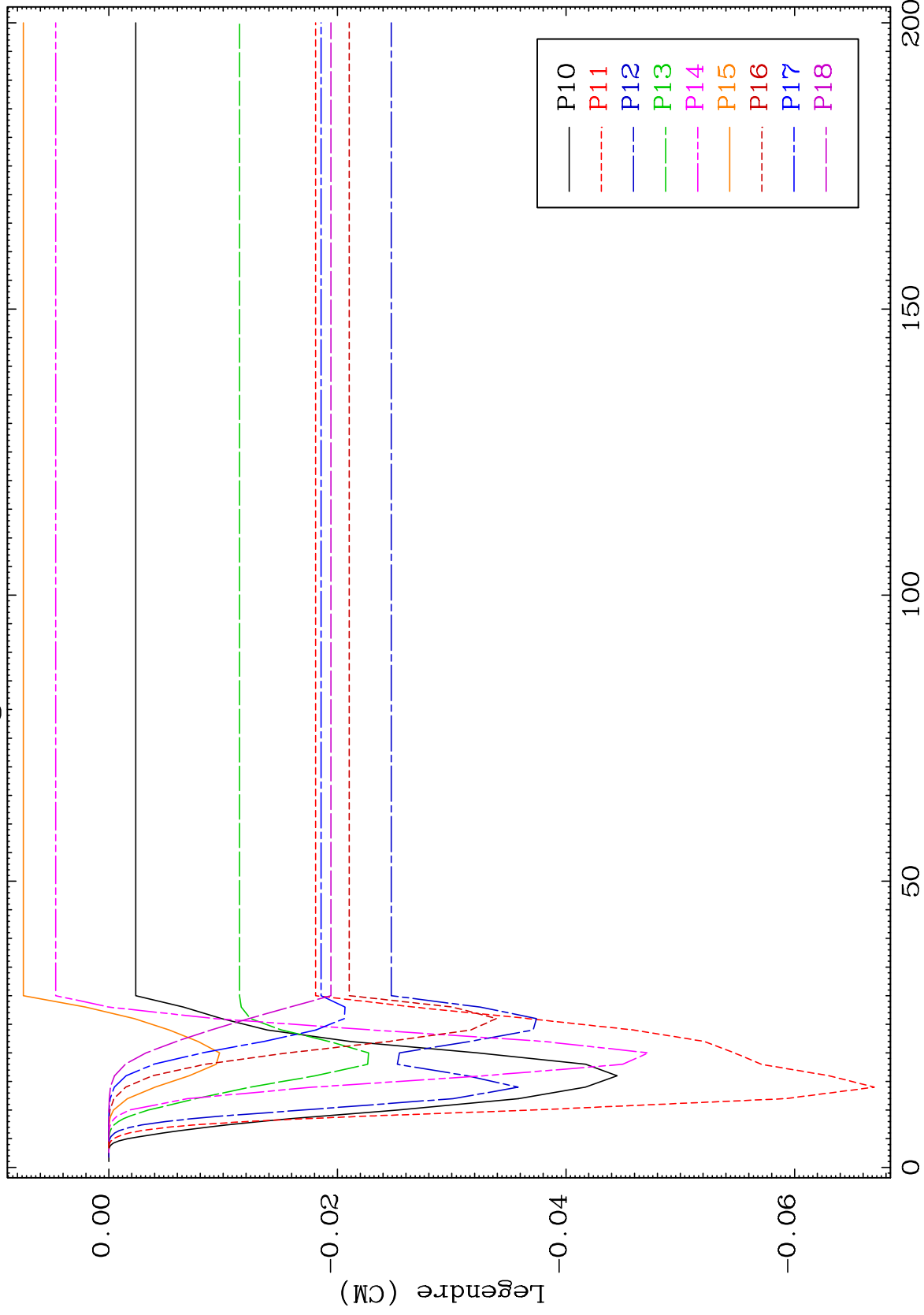
Incident Energy (MeV)

53-I -120

MAT 5304

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

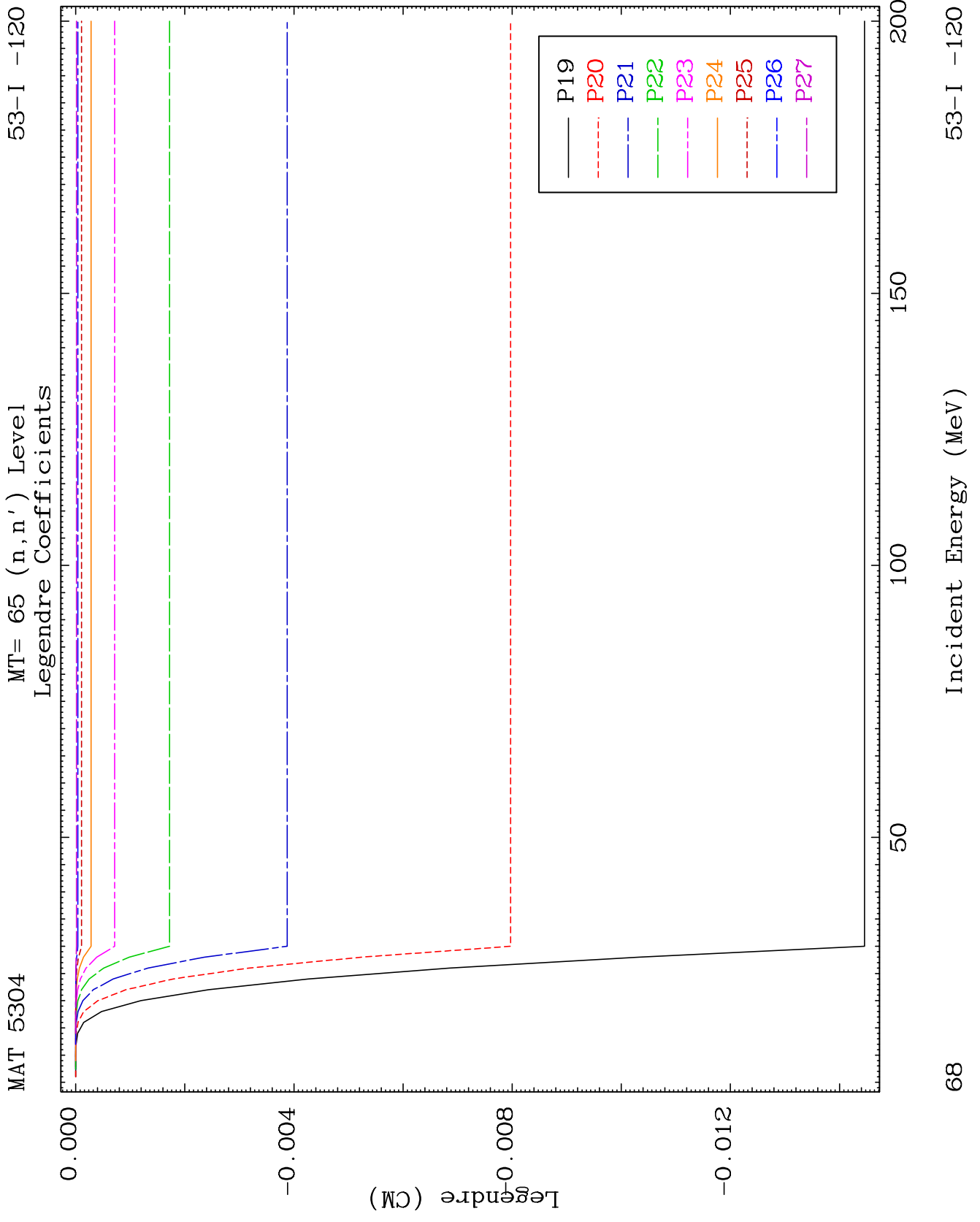
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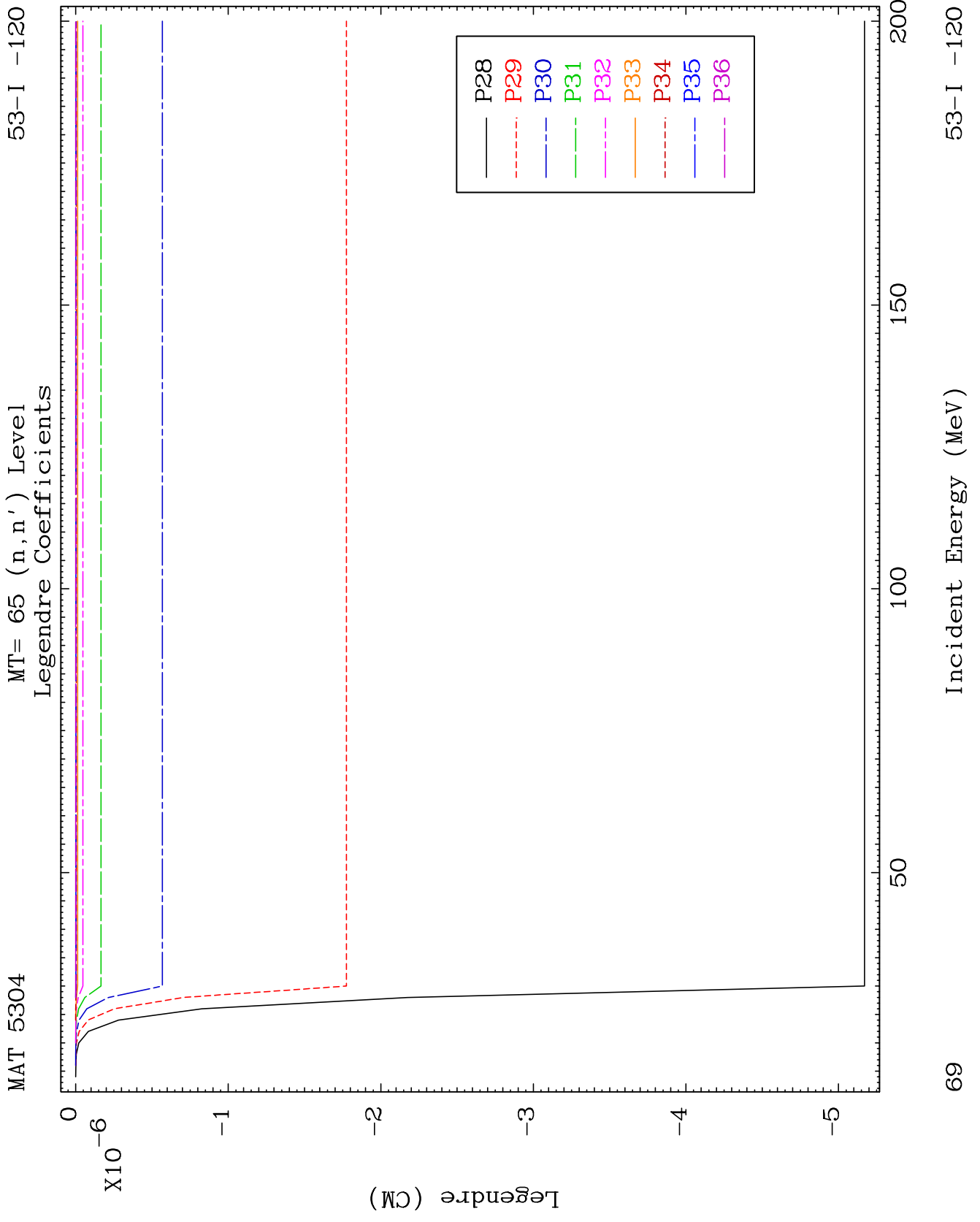


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Incident Energy (MeV)

53-I -120

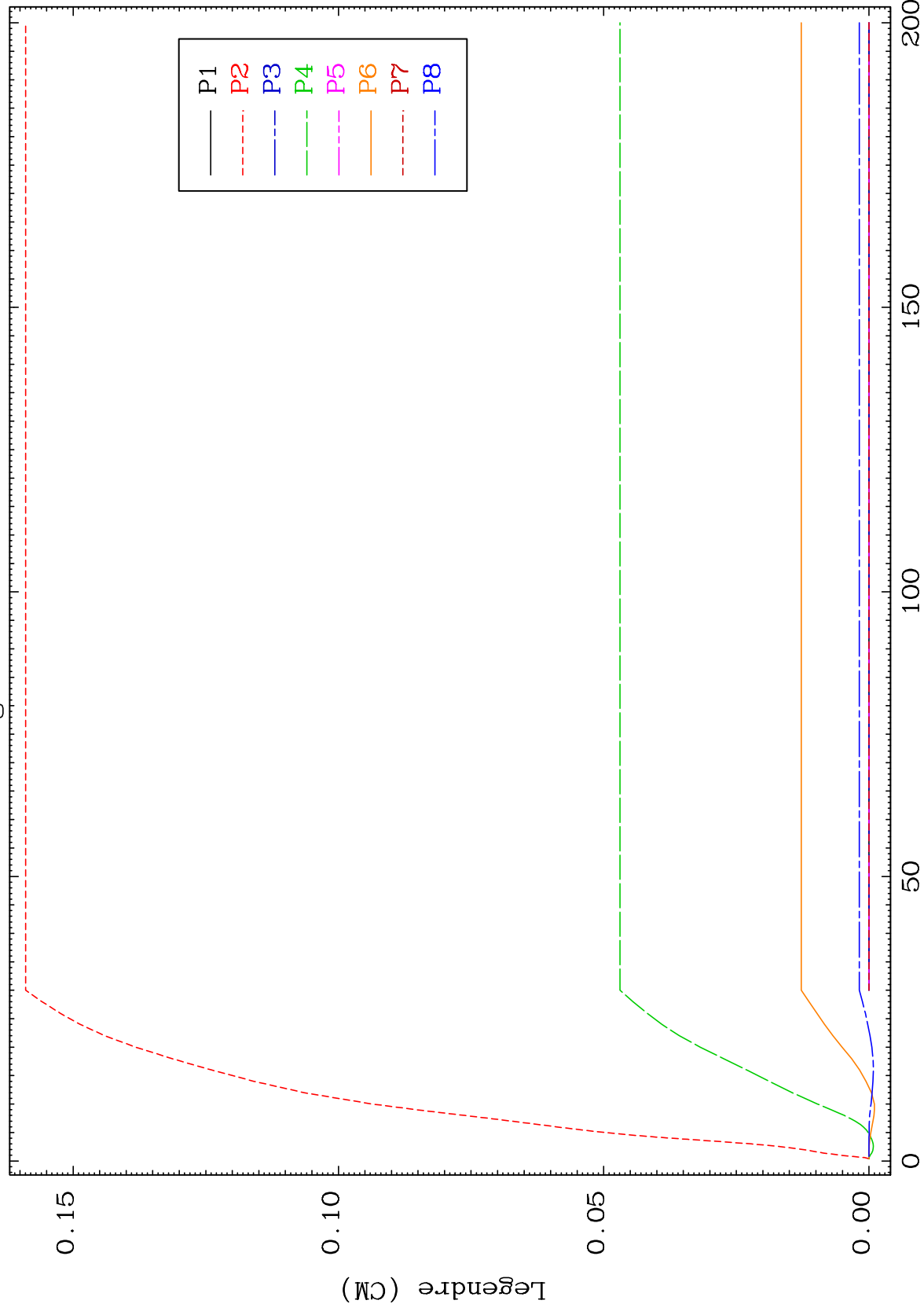




MAT 5304

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

53-I -120



53-I -120

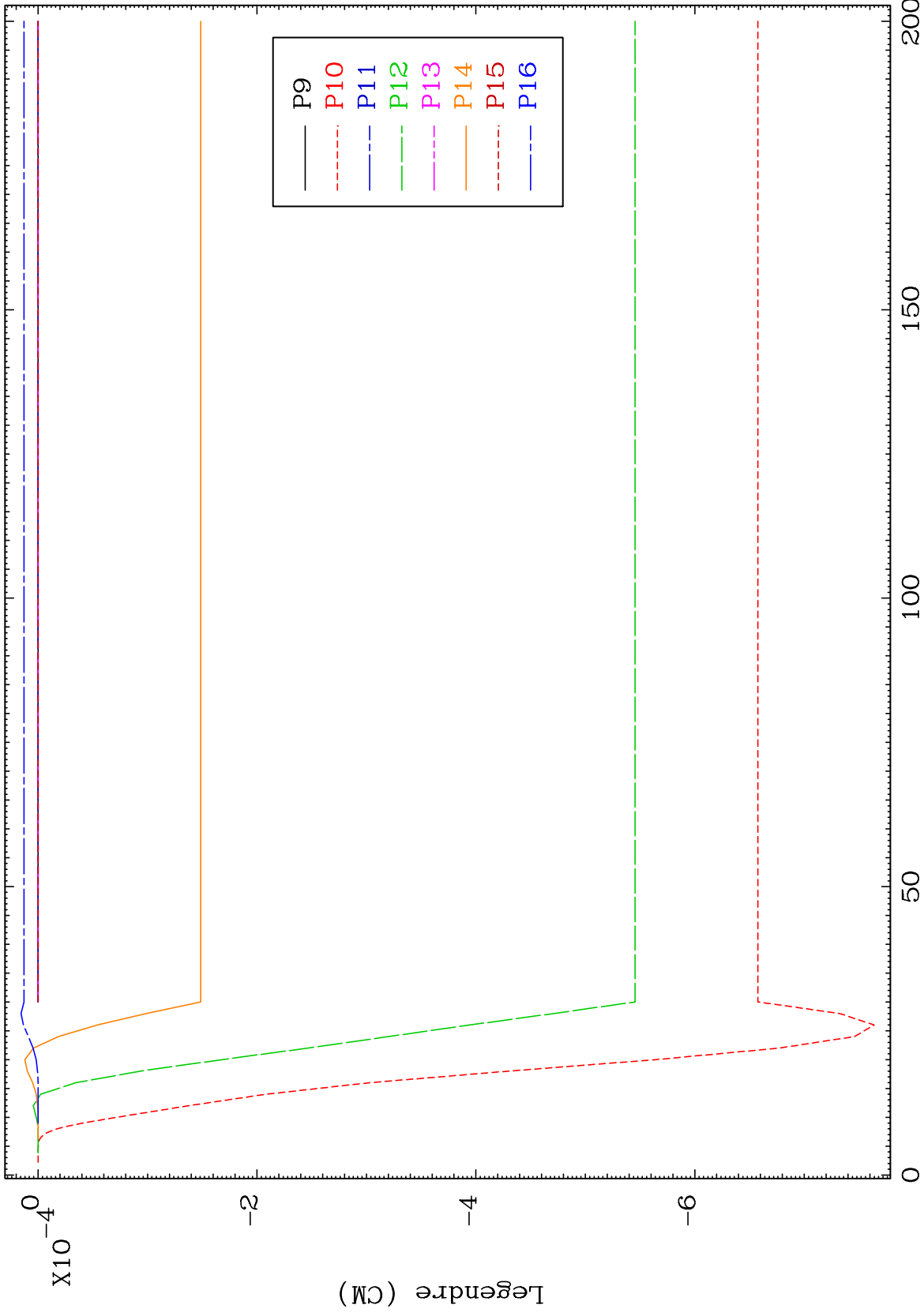
Incident Energy (MeV)

70

MAT 5304

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

53-I -120

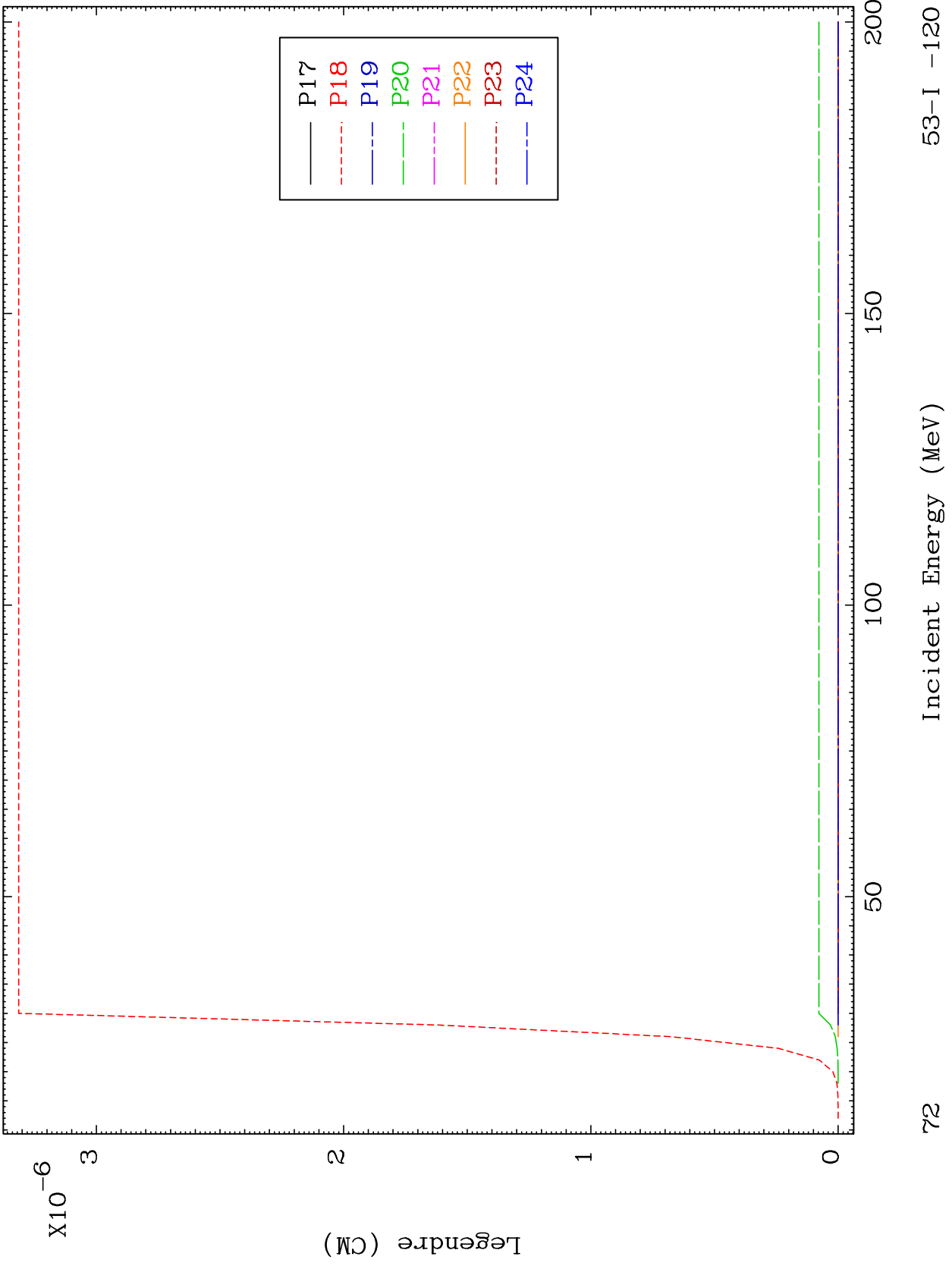


71

Incident Energy (MeV)

53-I -120

MAT 5304 MT= 66 (n,n') Level Legendre Coefficients 53-I -120

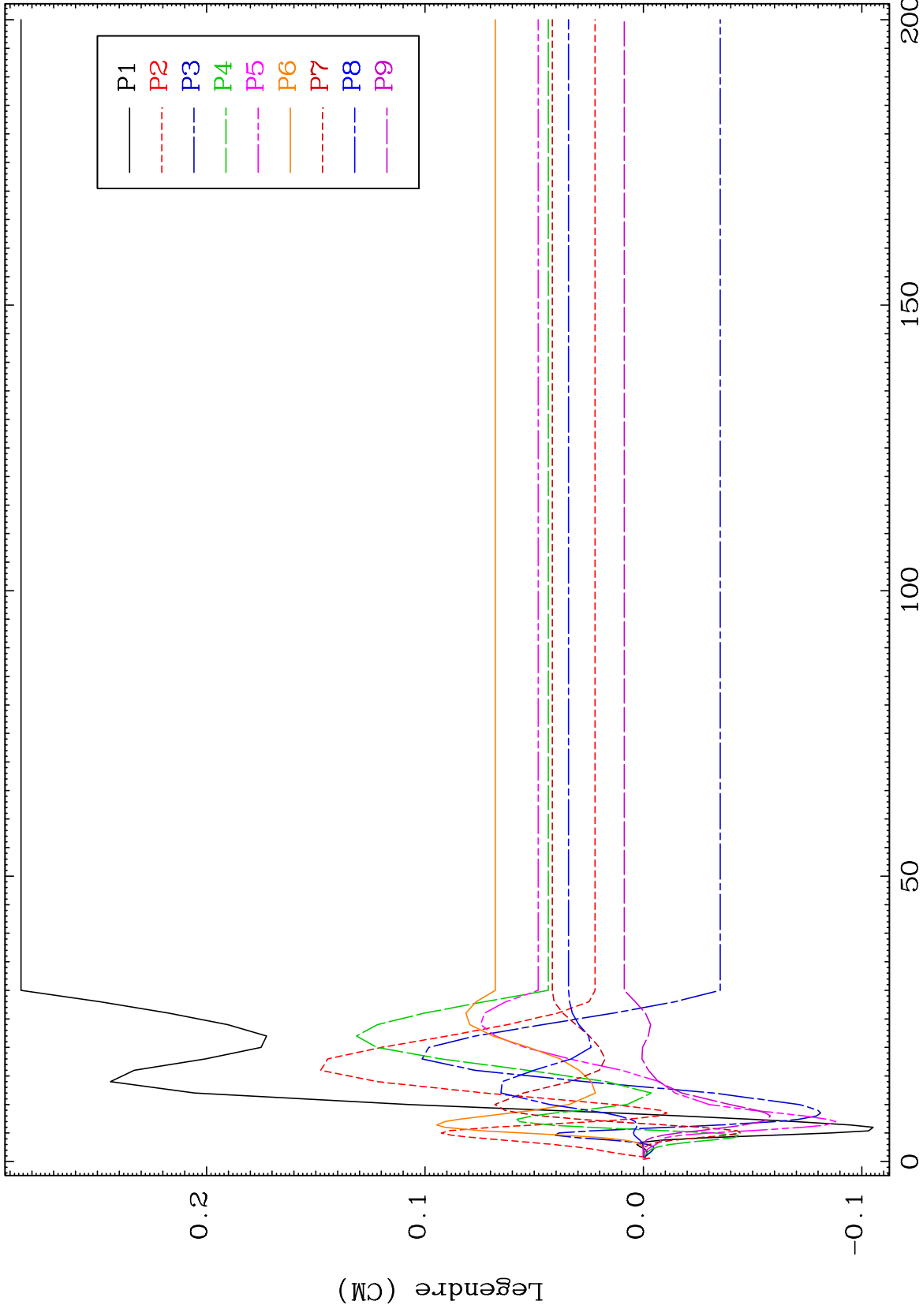


72 53-I -120

MAT 5304

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

53-I -120



73

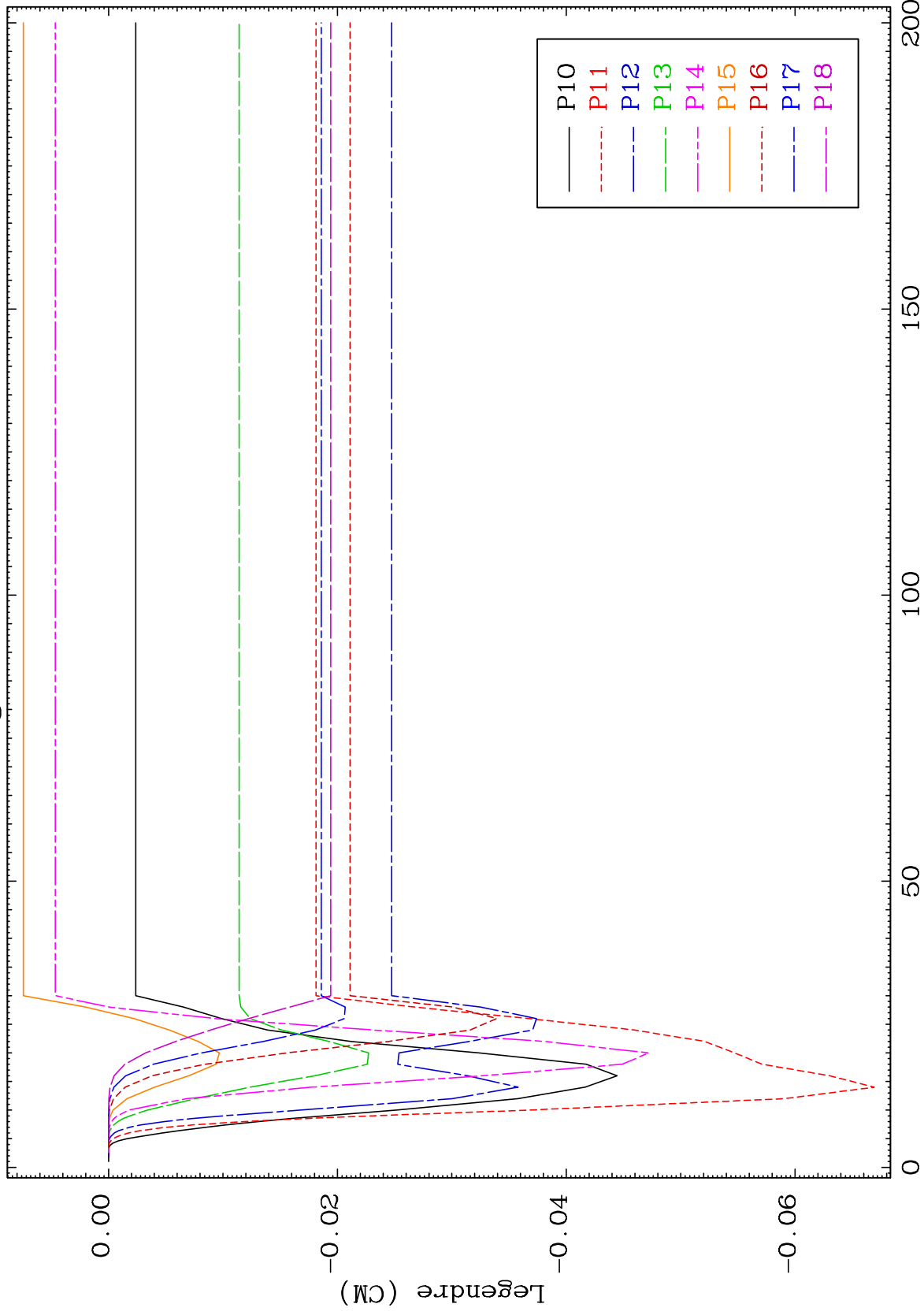
Incident Energy (MeV)

53-I -120

MAT 5304

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

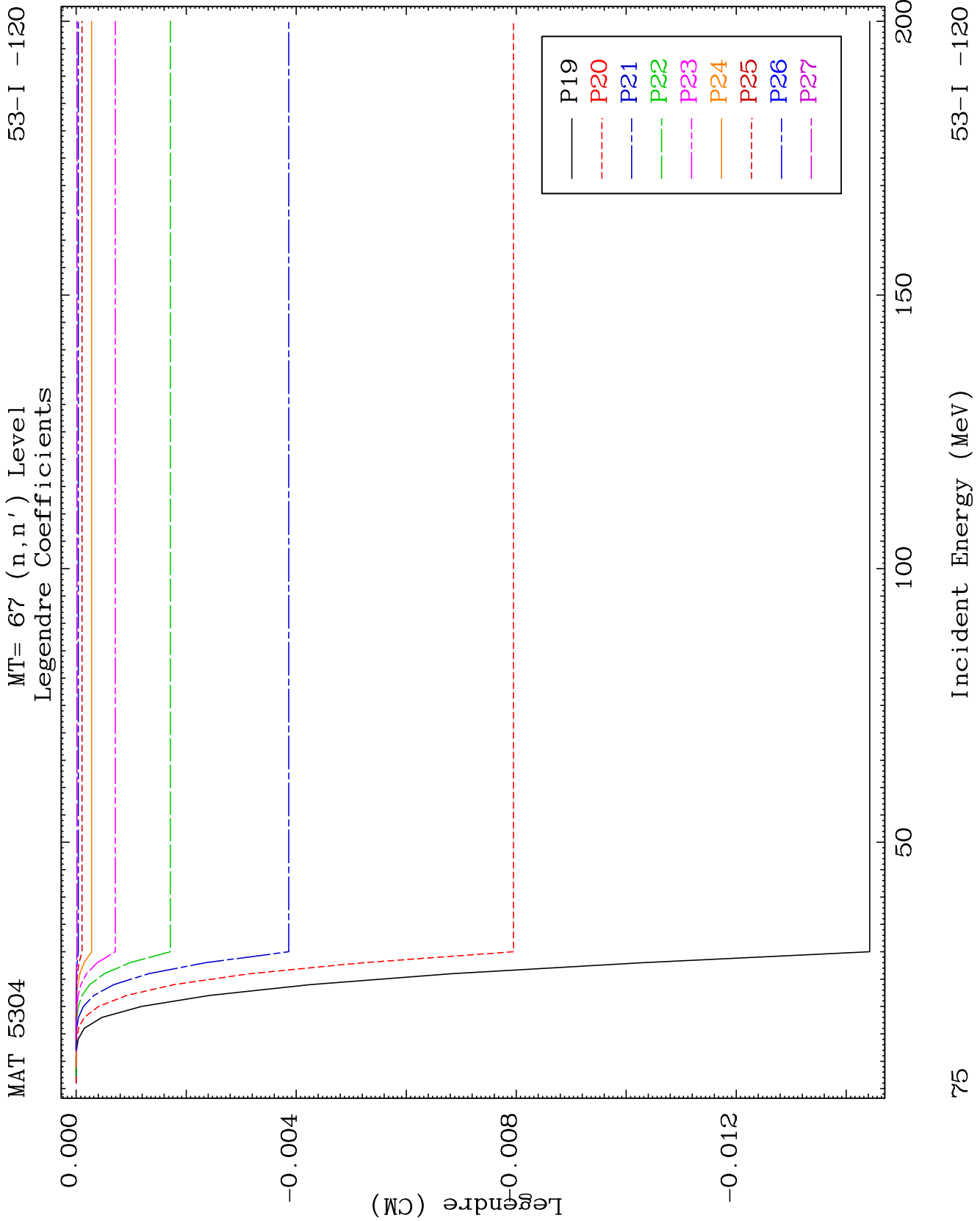
53-I -120

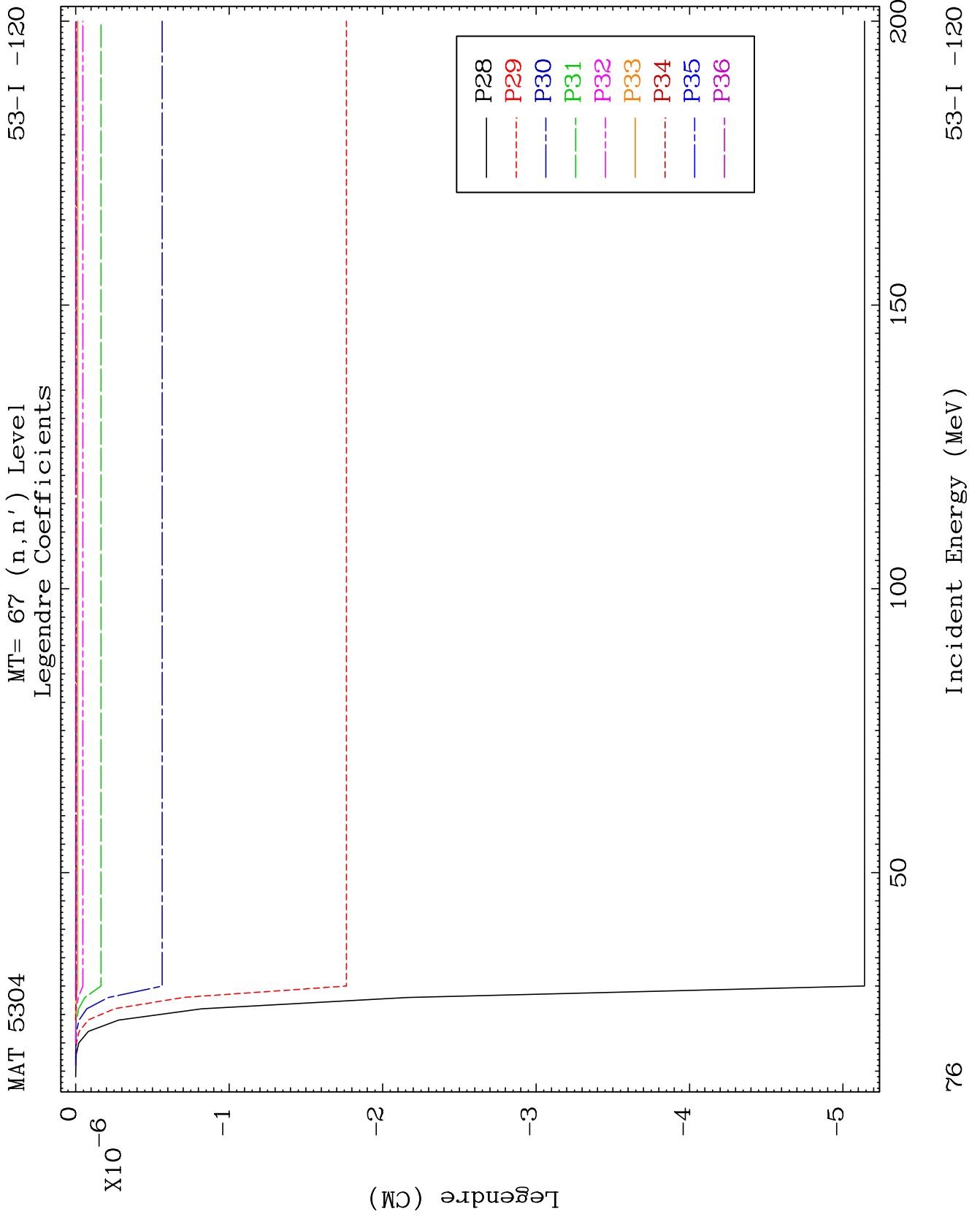


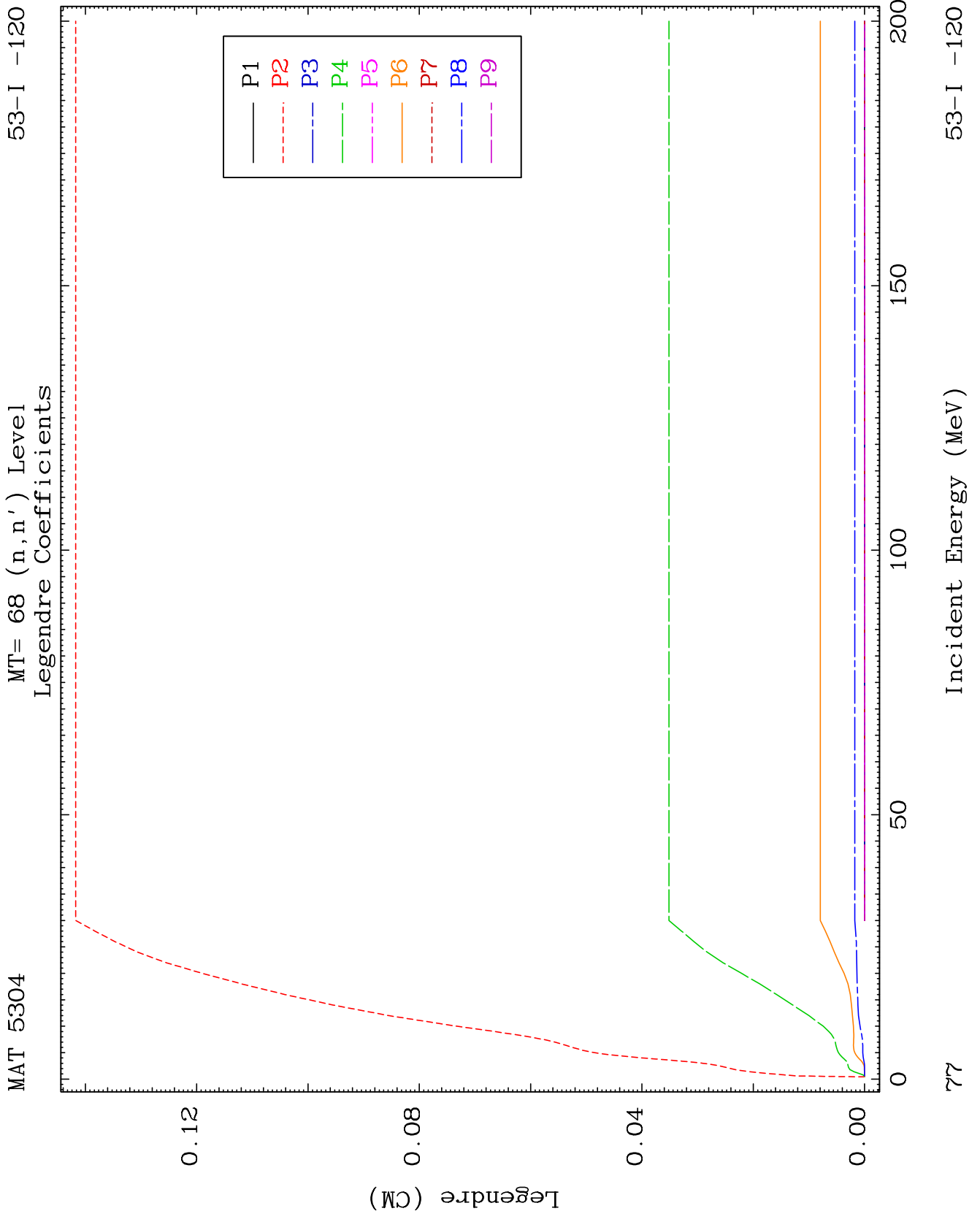
74

Incident Energy (MeV)

53-I -120



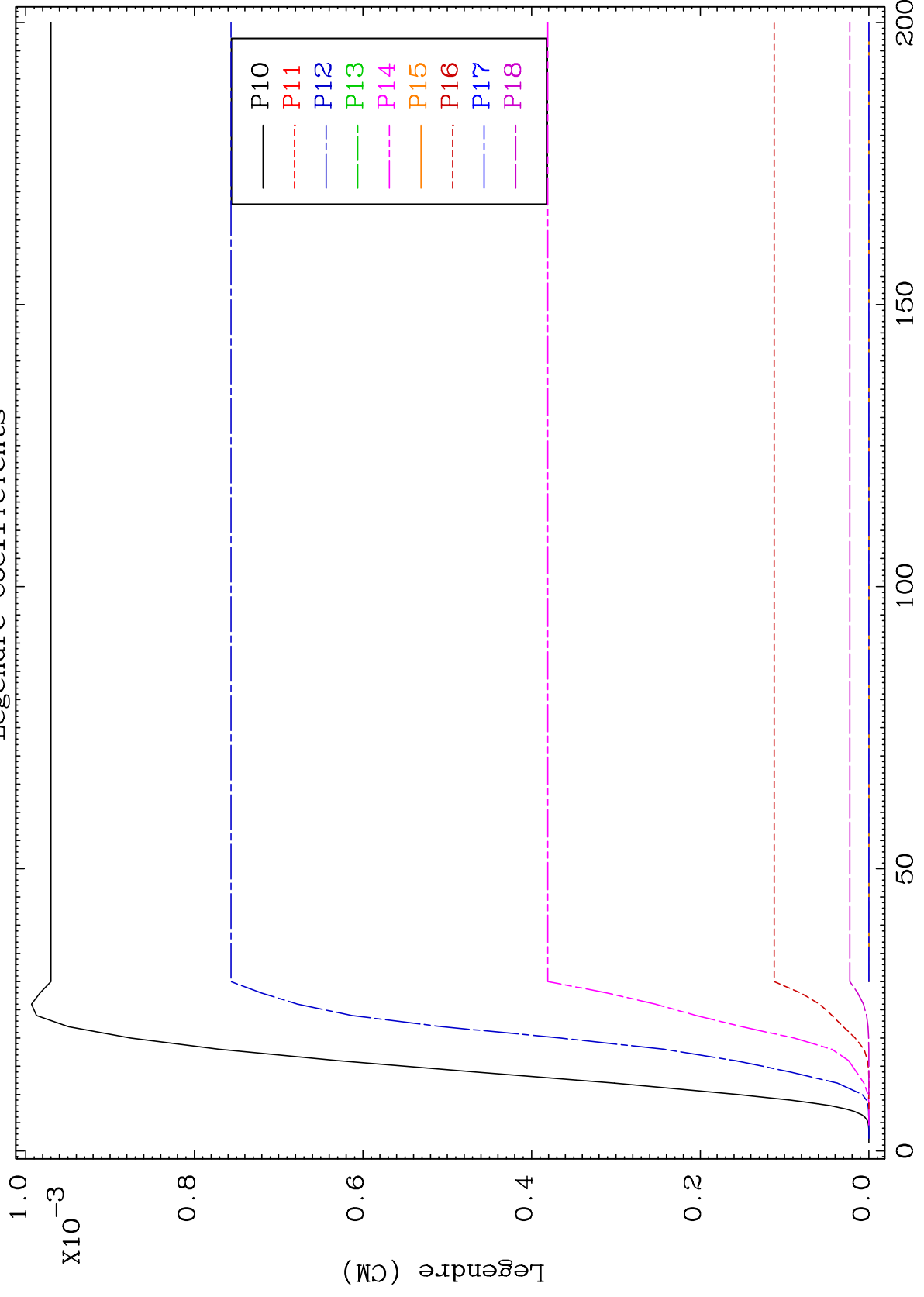




MAT 5304

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

53-I -120



78

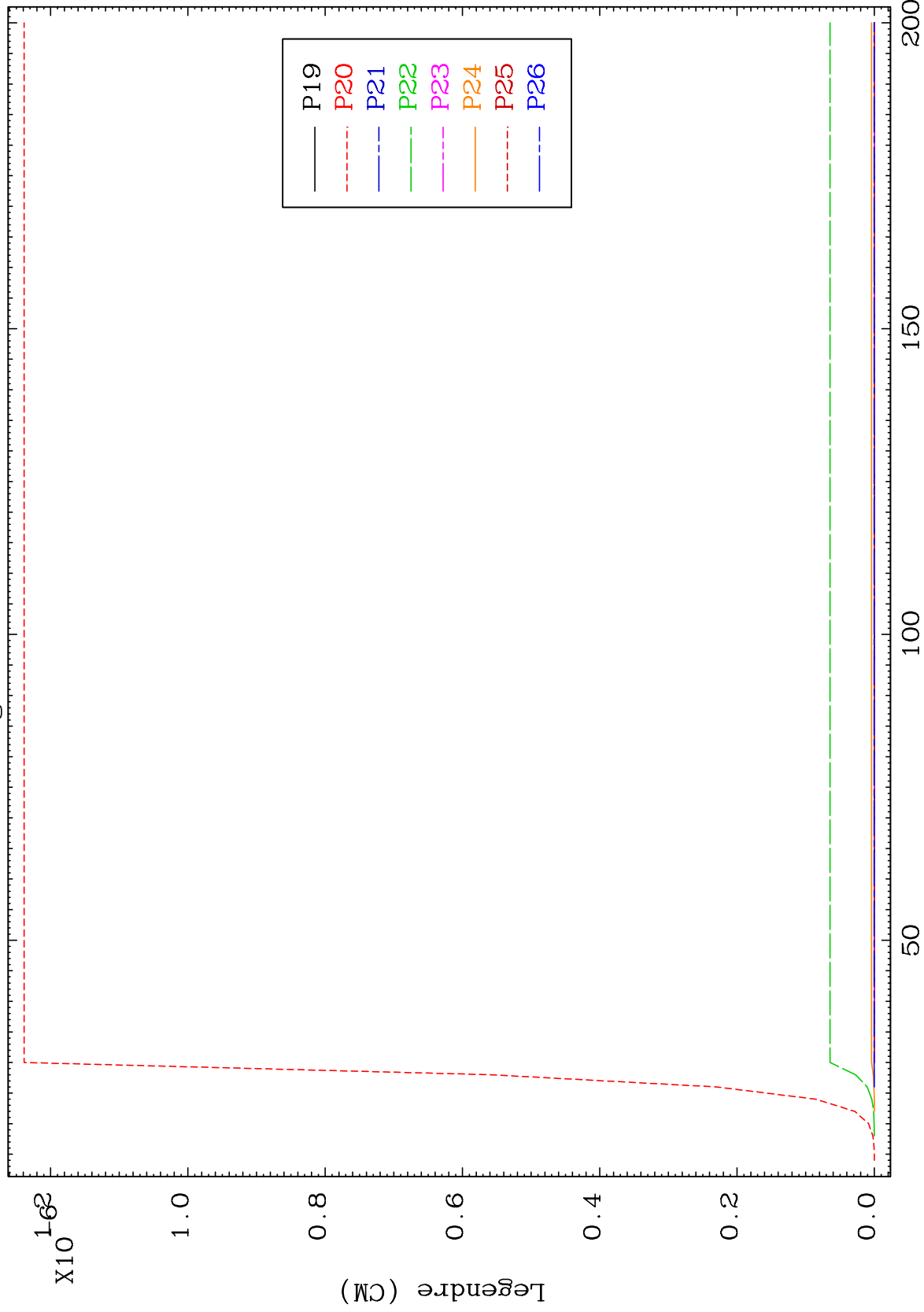
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



79

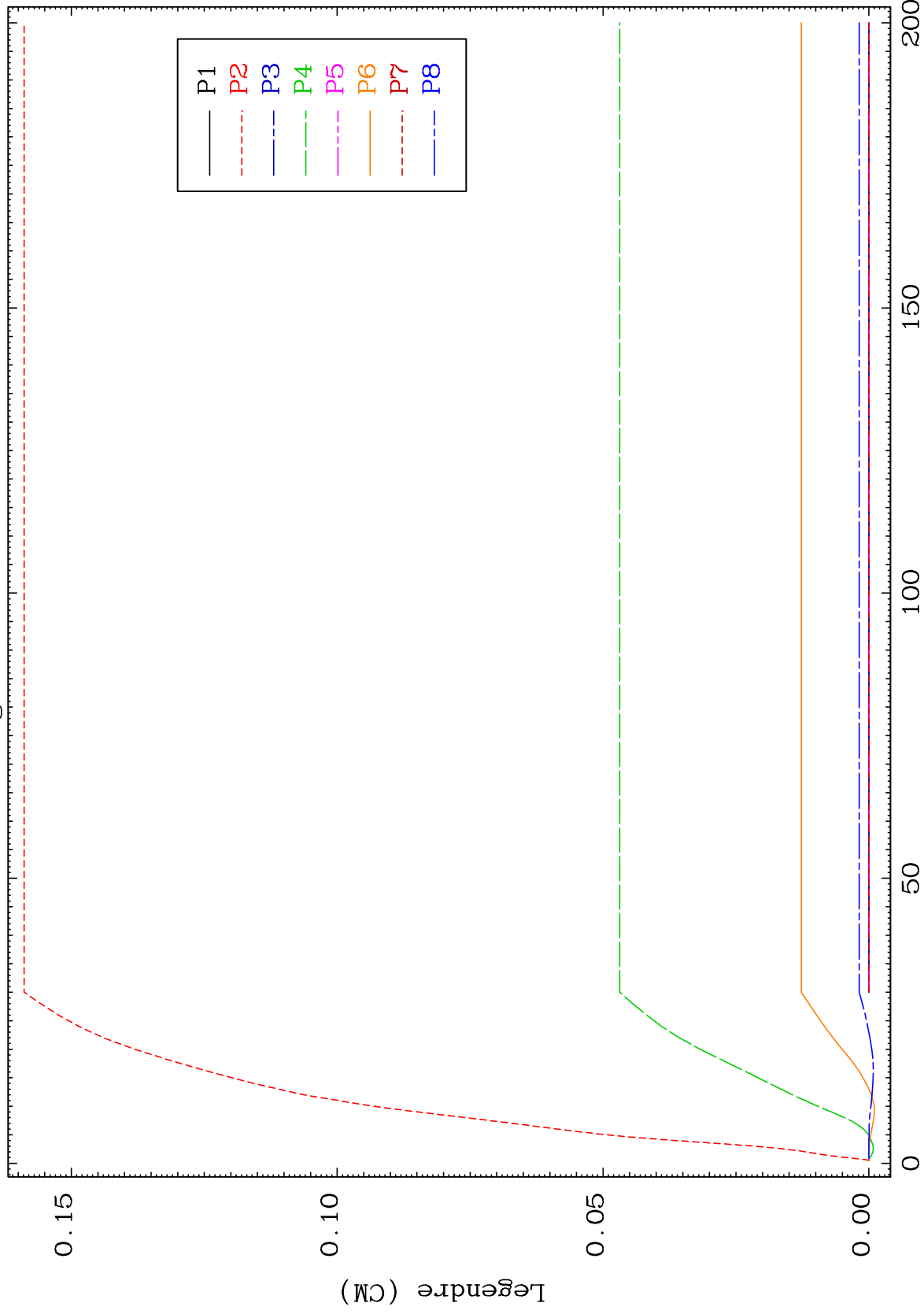
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



53-I -120

Incident Energy (MeV)

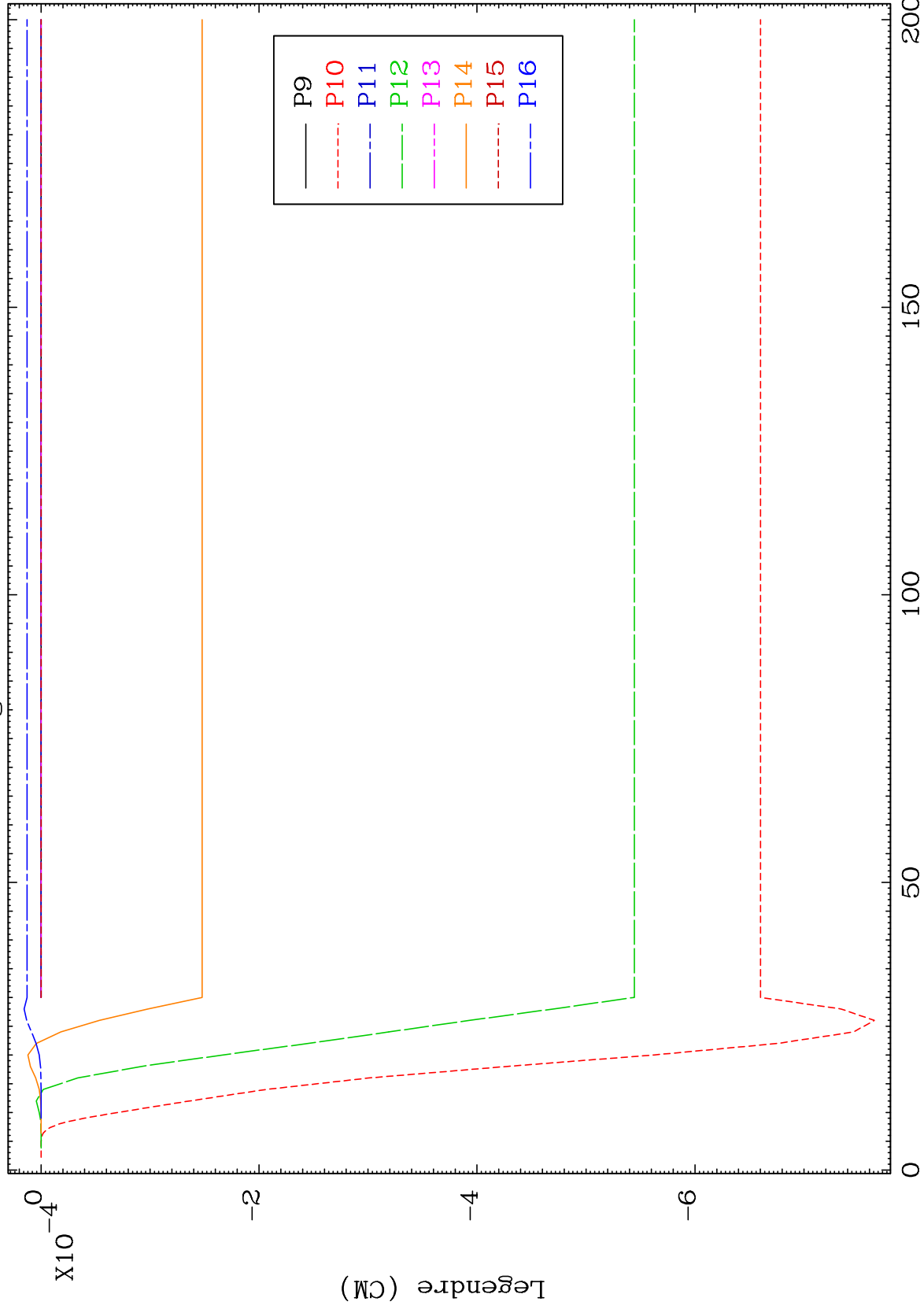
80

MAT 5304

MT= 69 (n,n') Level

53-I -120

Legendre Coefficients



81

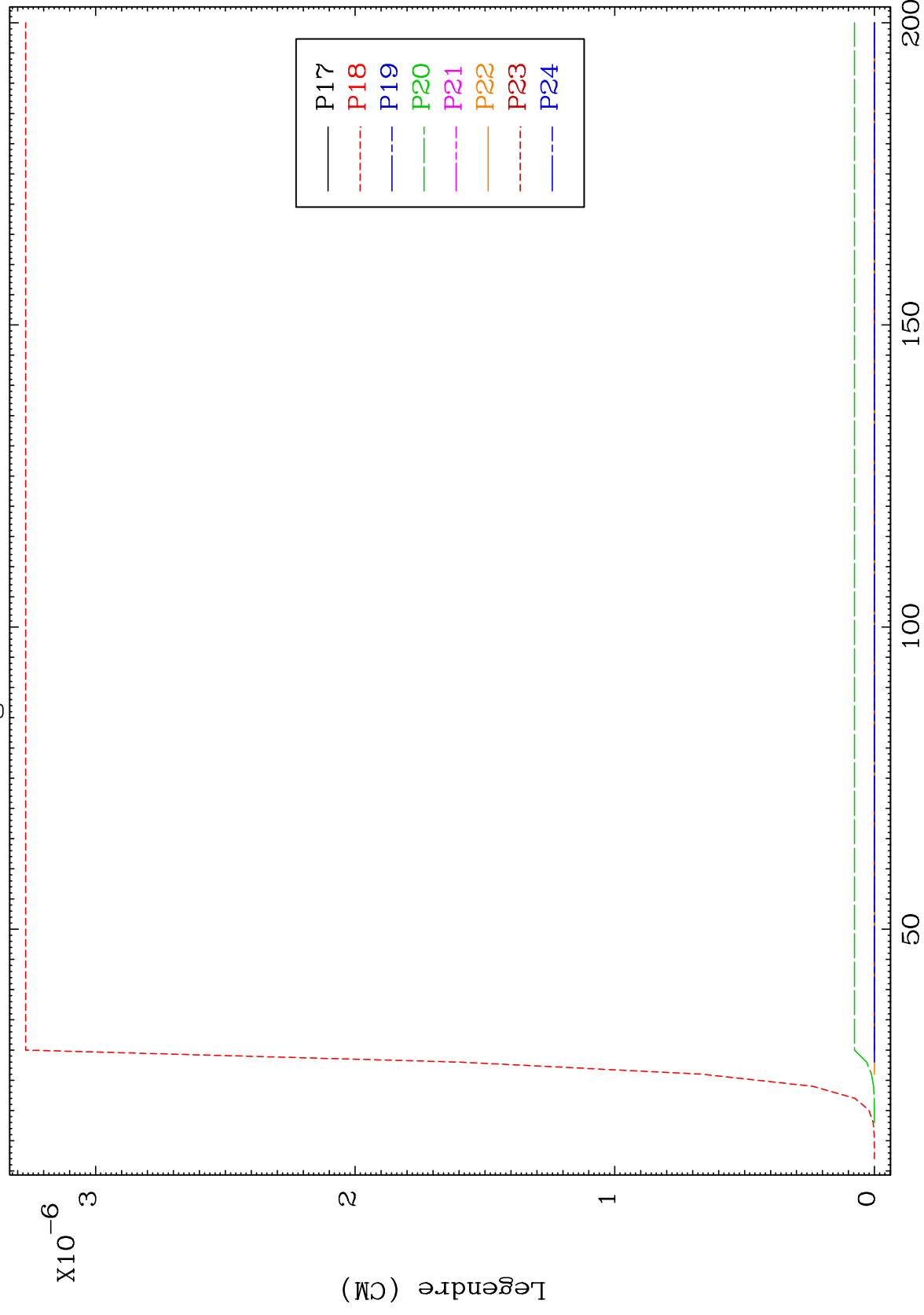
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



82

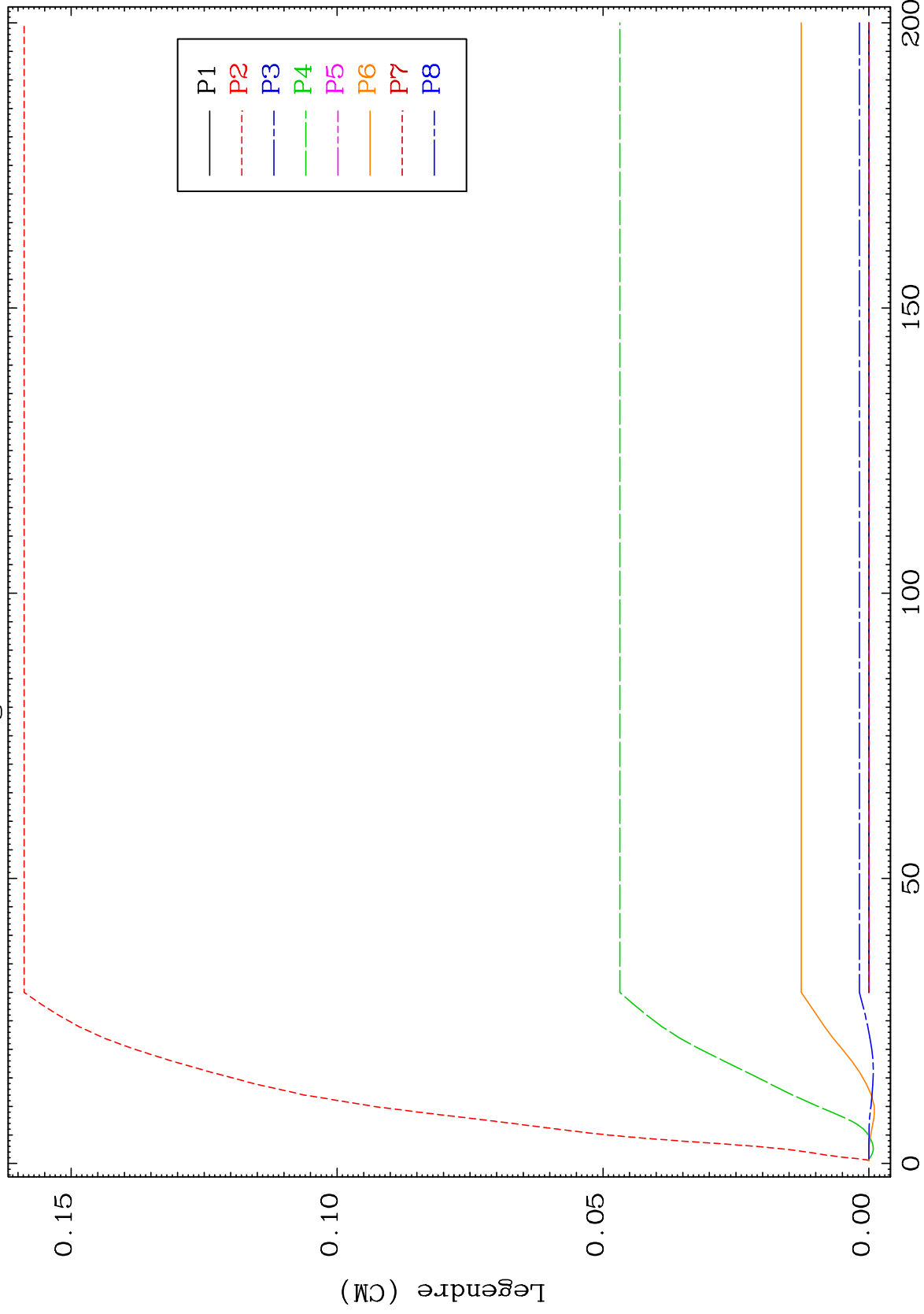
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



83

Incident Energy (MeV)

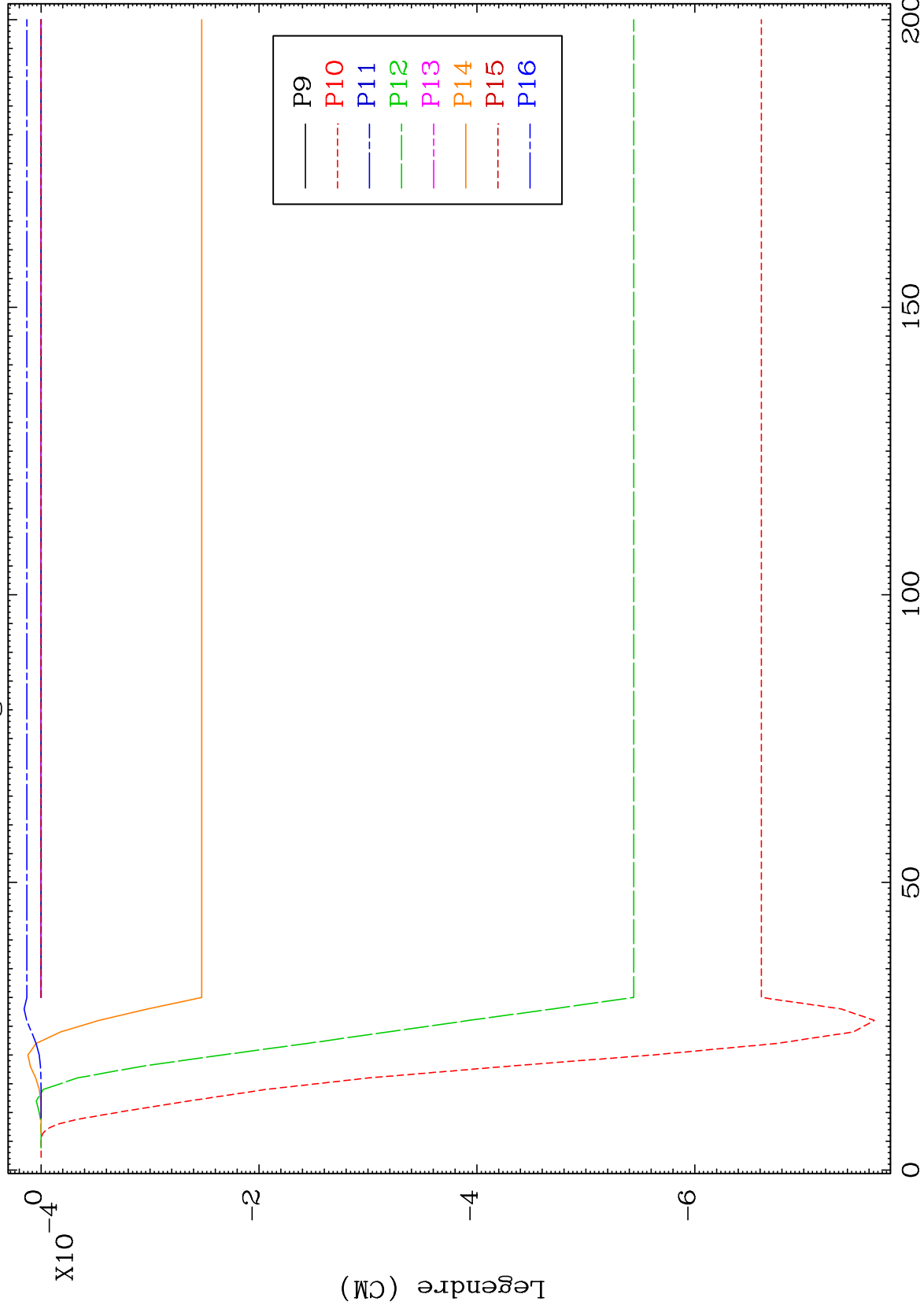
53-I -120

MAT 5304

MT= 70 (n,n') Level

53-I -120

Legendre Coefficients



84

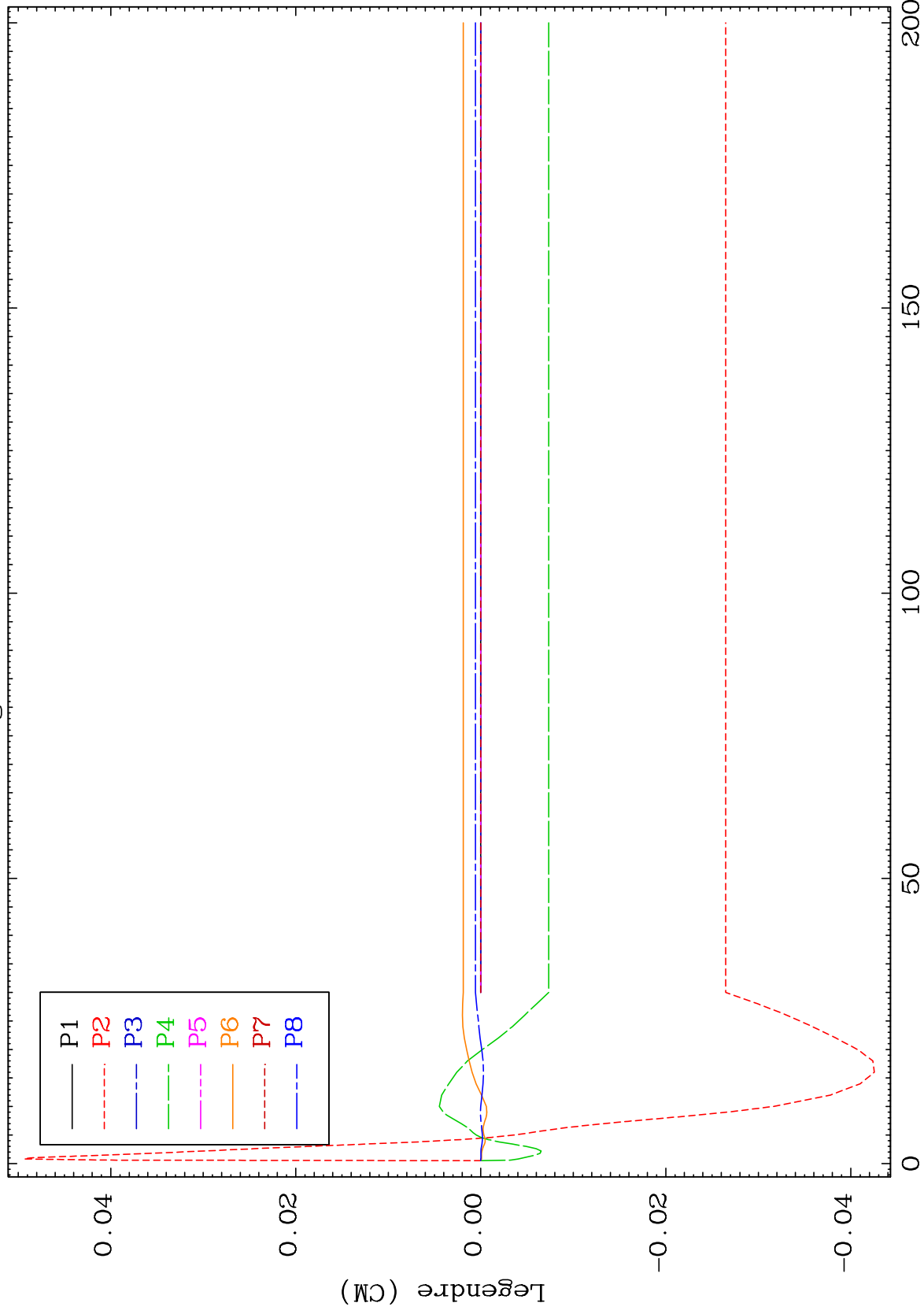
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



86

Incident Energy (MeV)

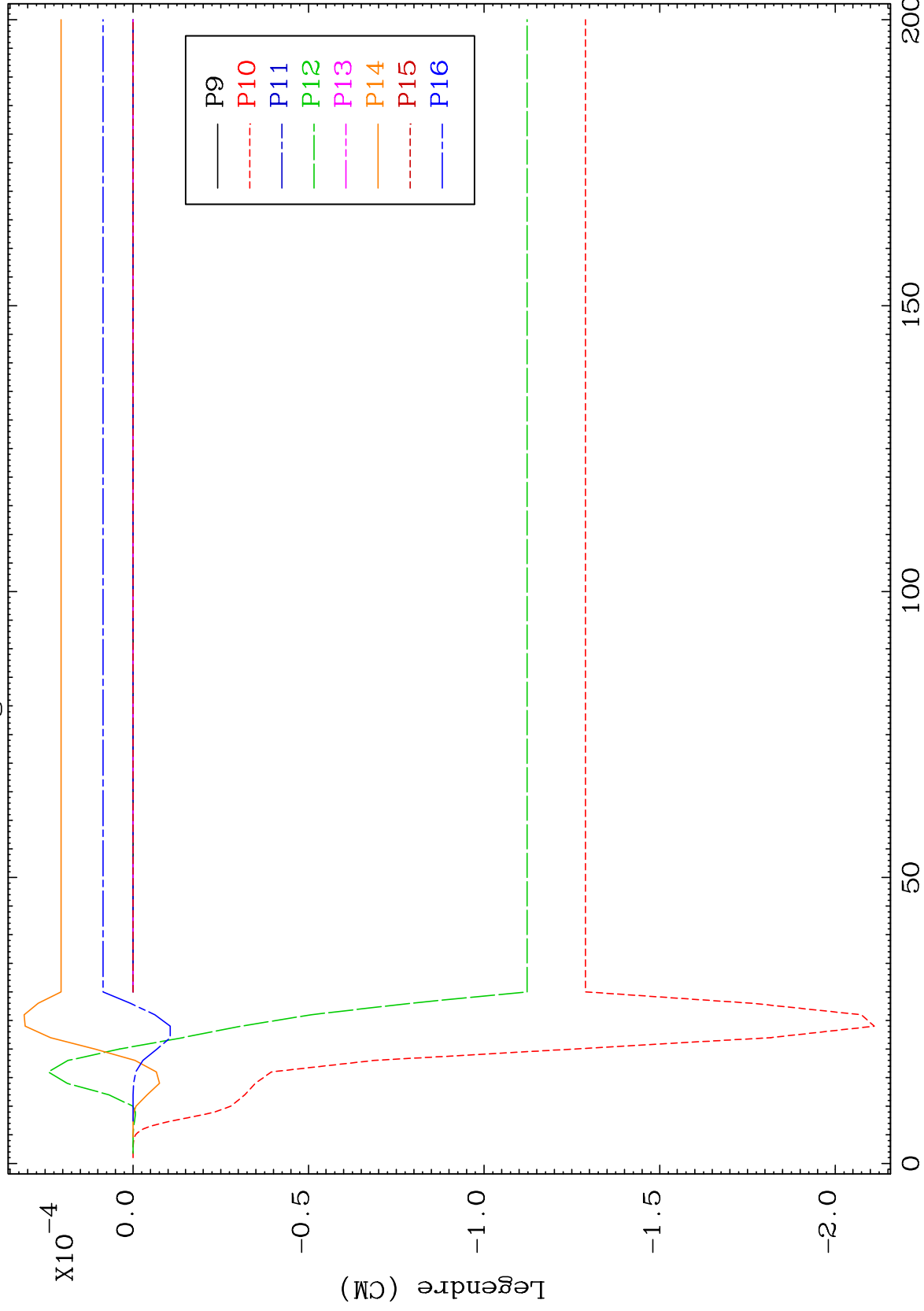
53-I -120

MAT 5304

MT= 71 (n,n') Level

53-I -120

Legendre Coefficients



87

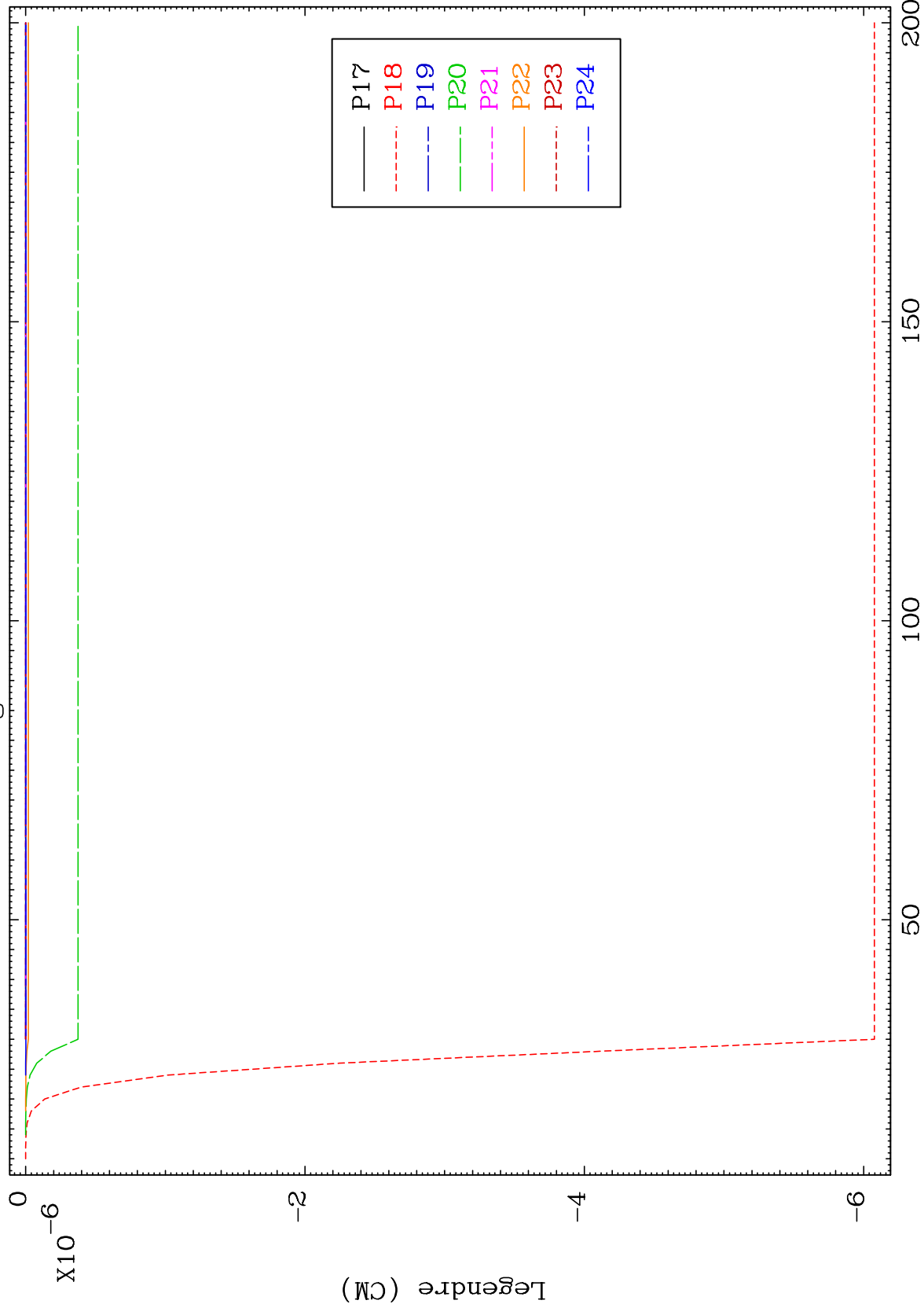
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



88

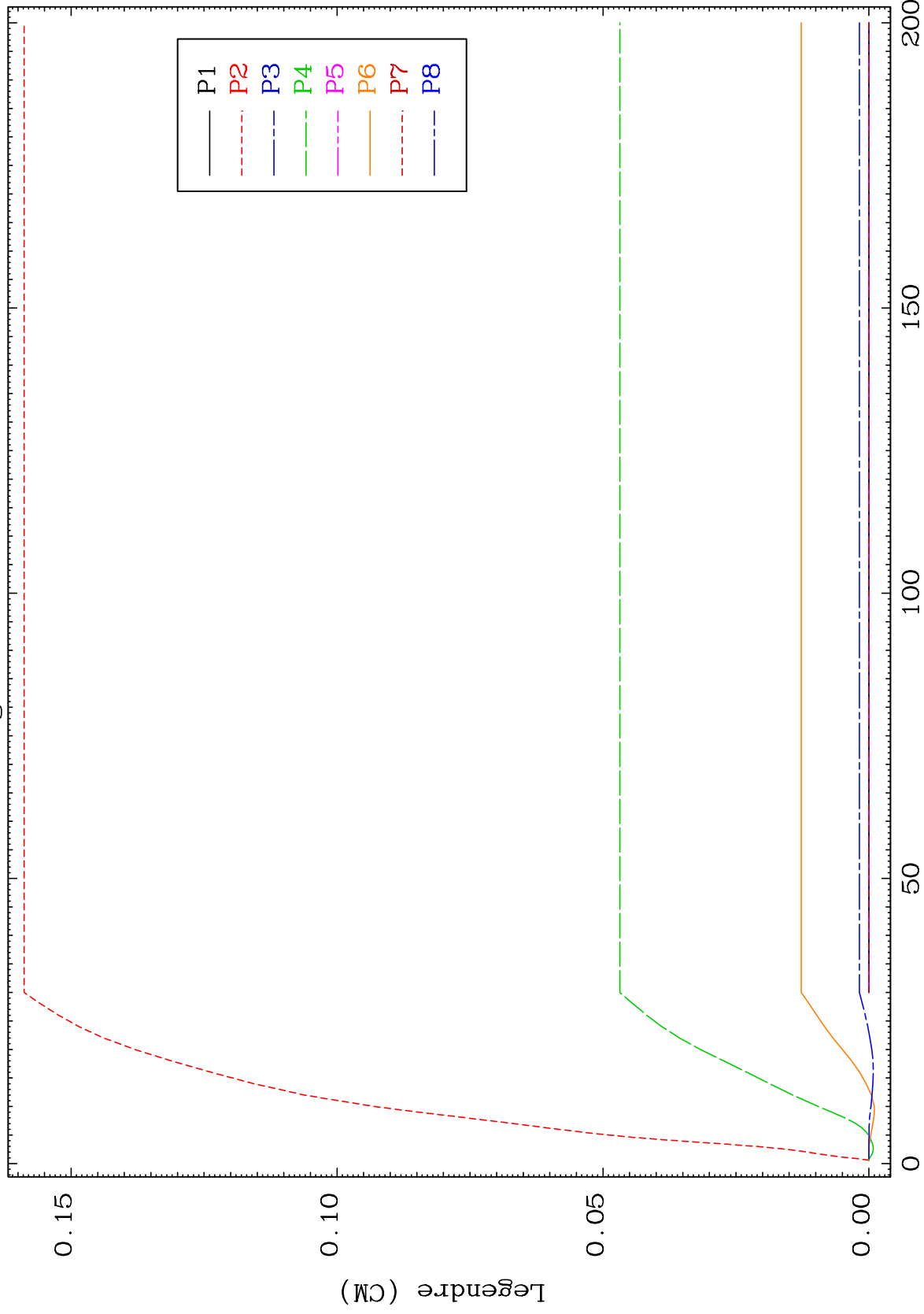
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



89

Incident Energy (MeV)

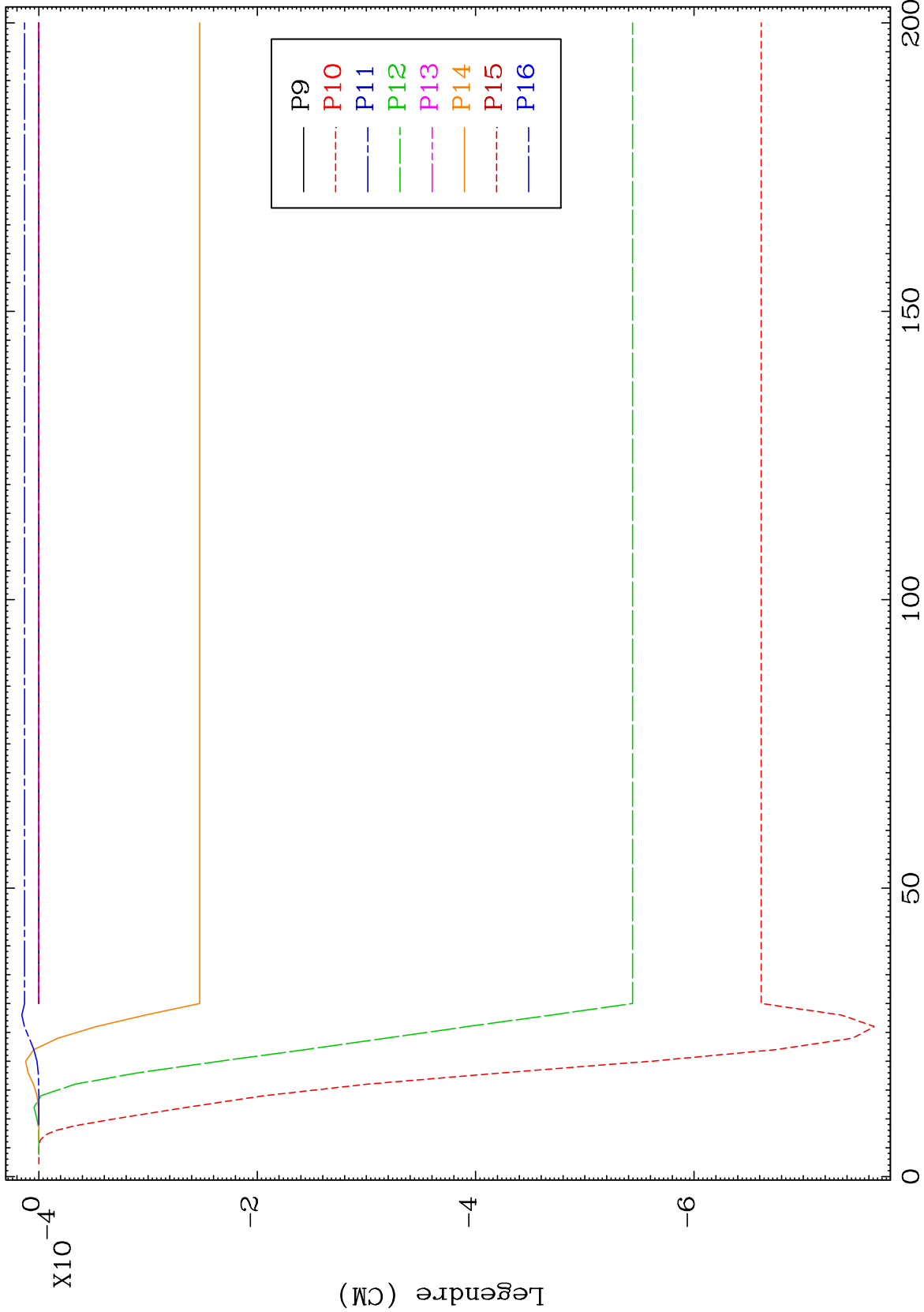
53-I -120

MAT 5304

MT= 72 (n,n') Level

53-I -120

Legendre Coefficients



0

50

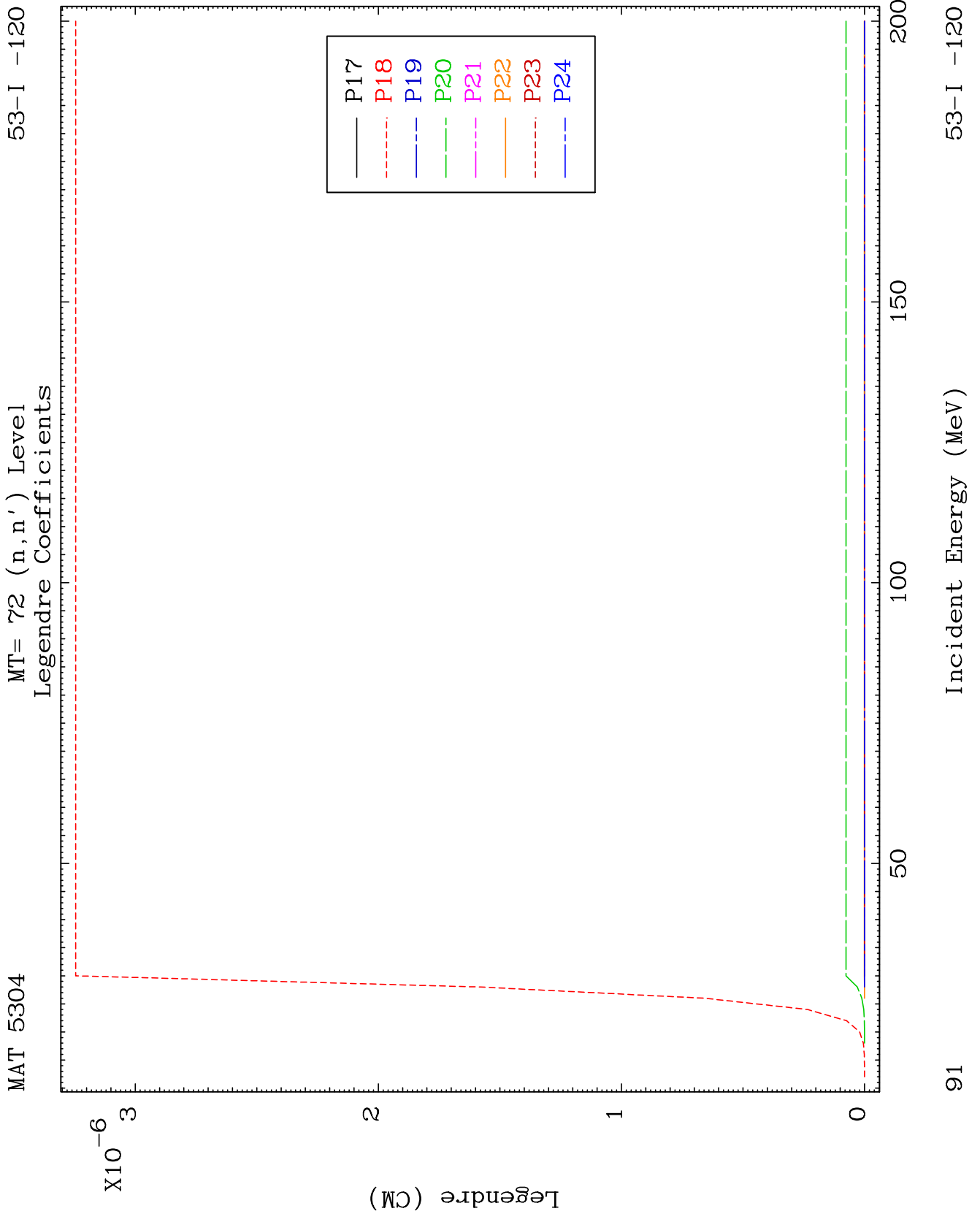
100

150

200

Incident Energy (MeV)

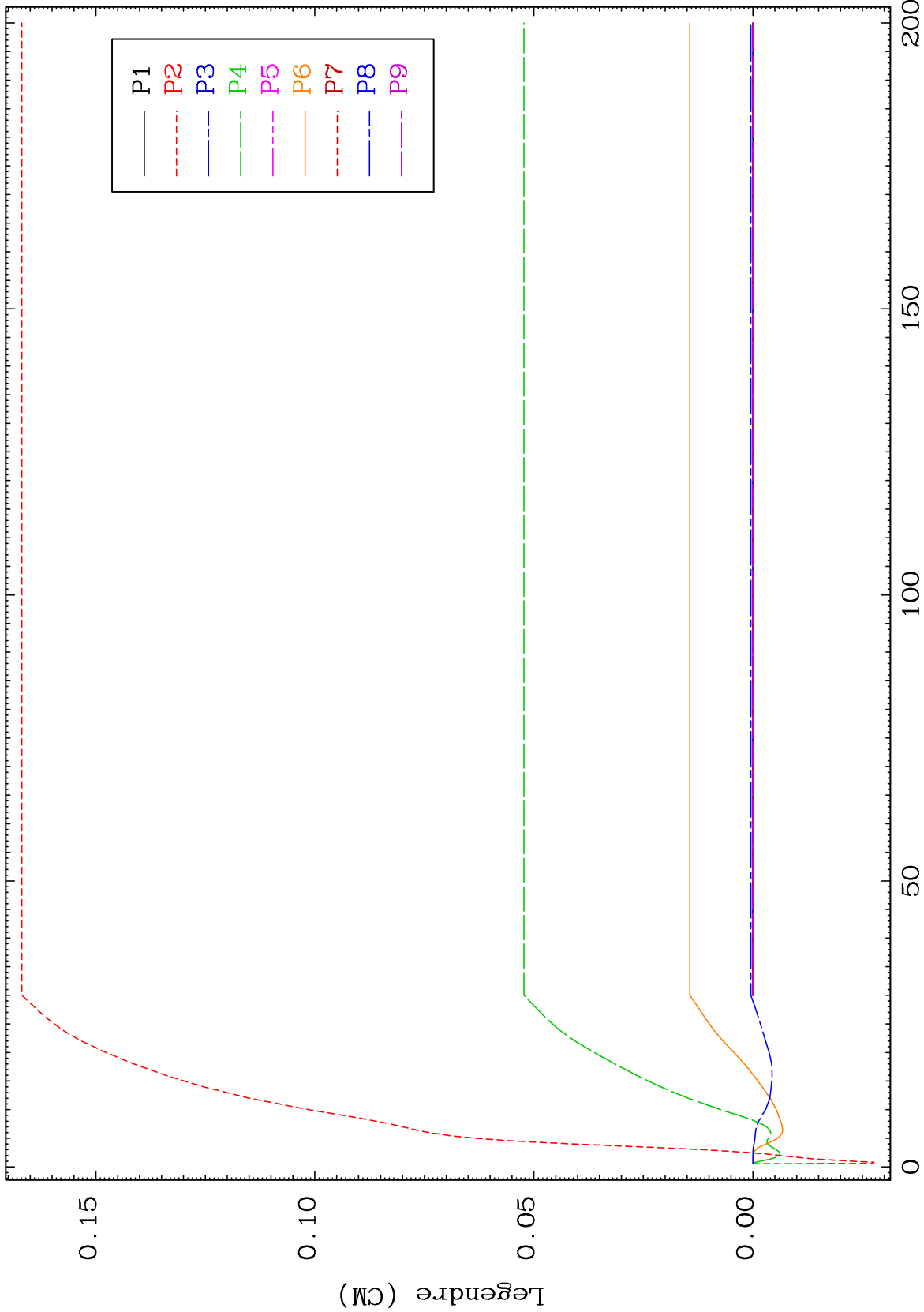
53-I -120



MAT 5304

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

53-I -120



92

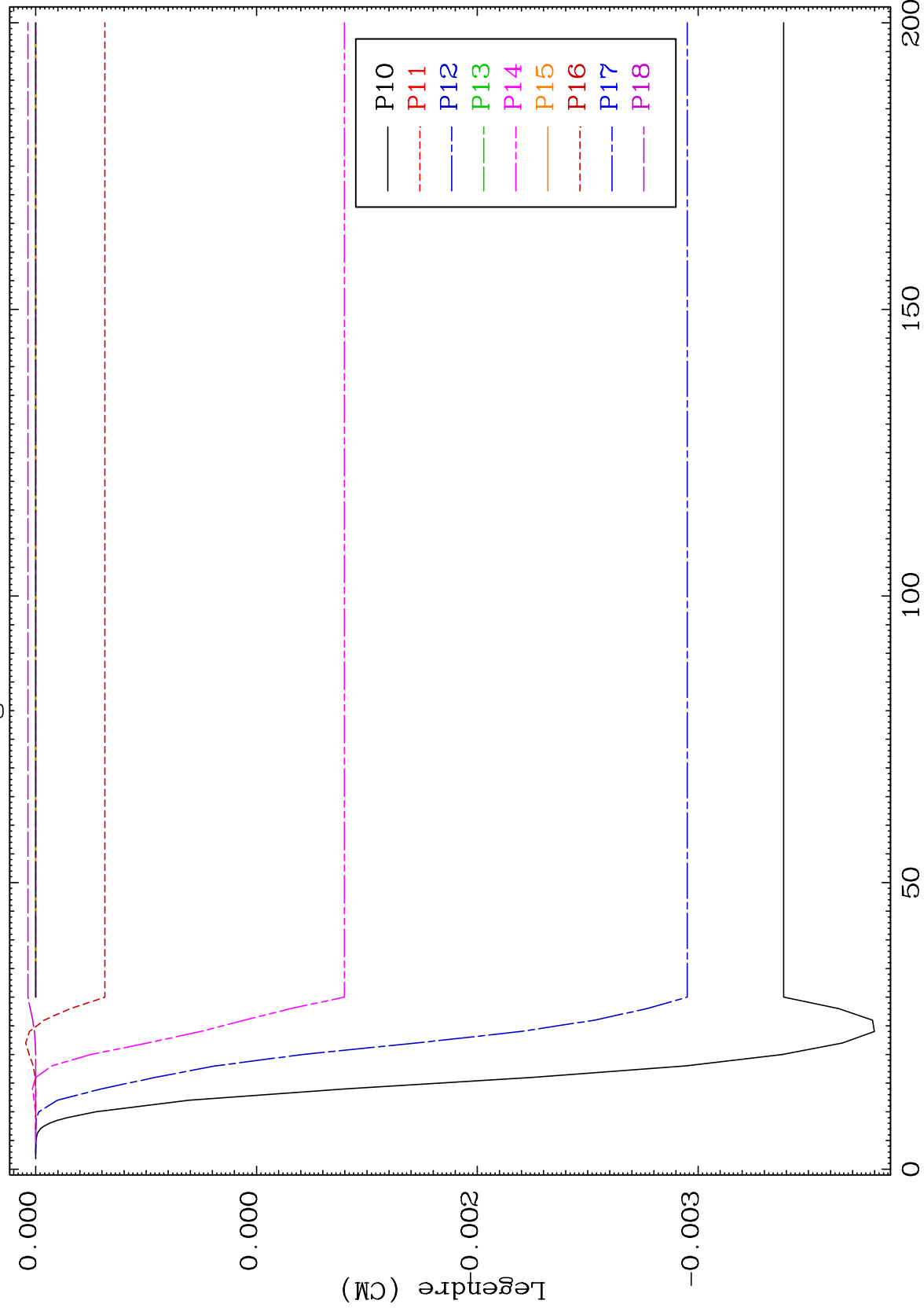
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



93

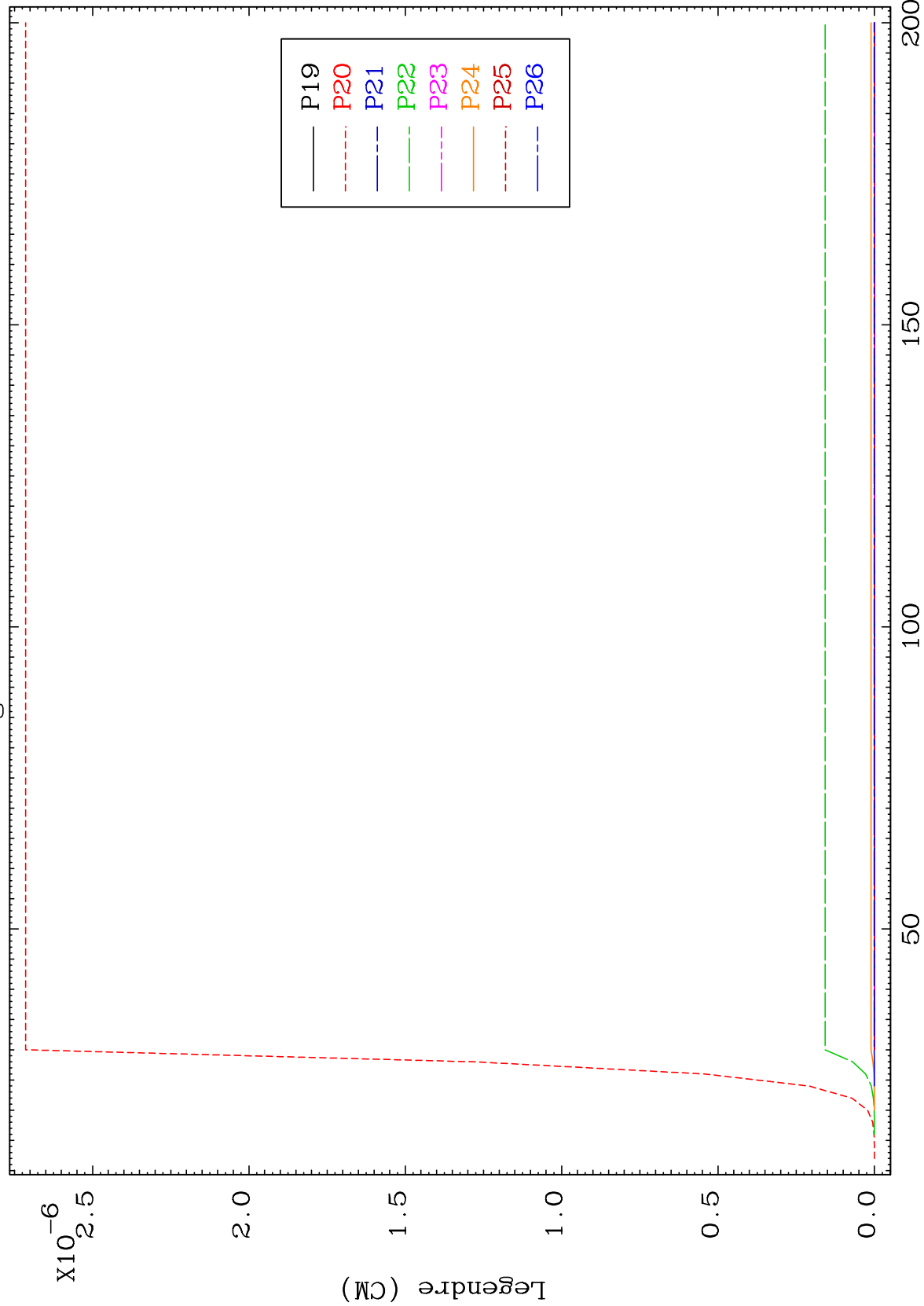
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



53-I -120

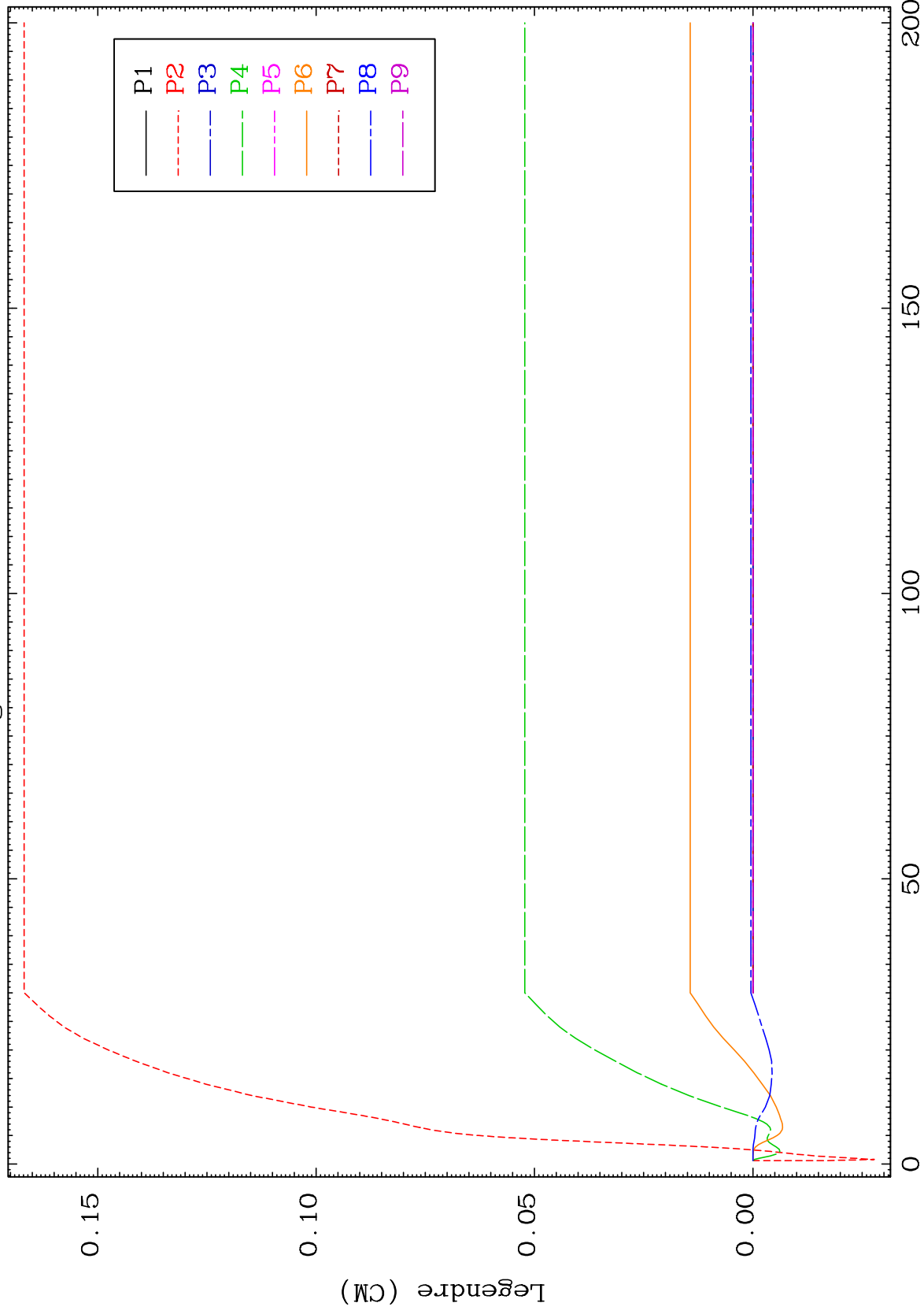
Incident Energy (MeV)

94

MAT 5304

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

53-I -120



95

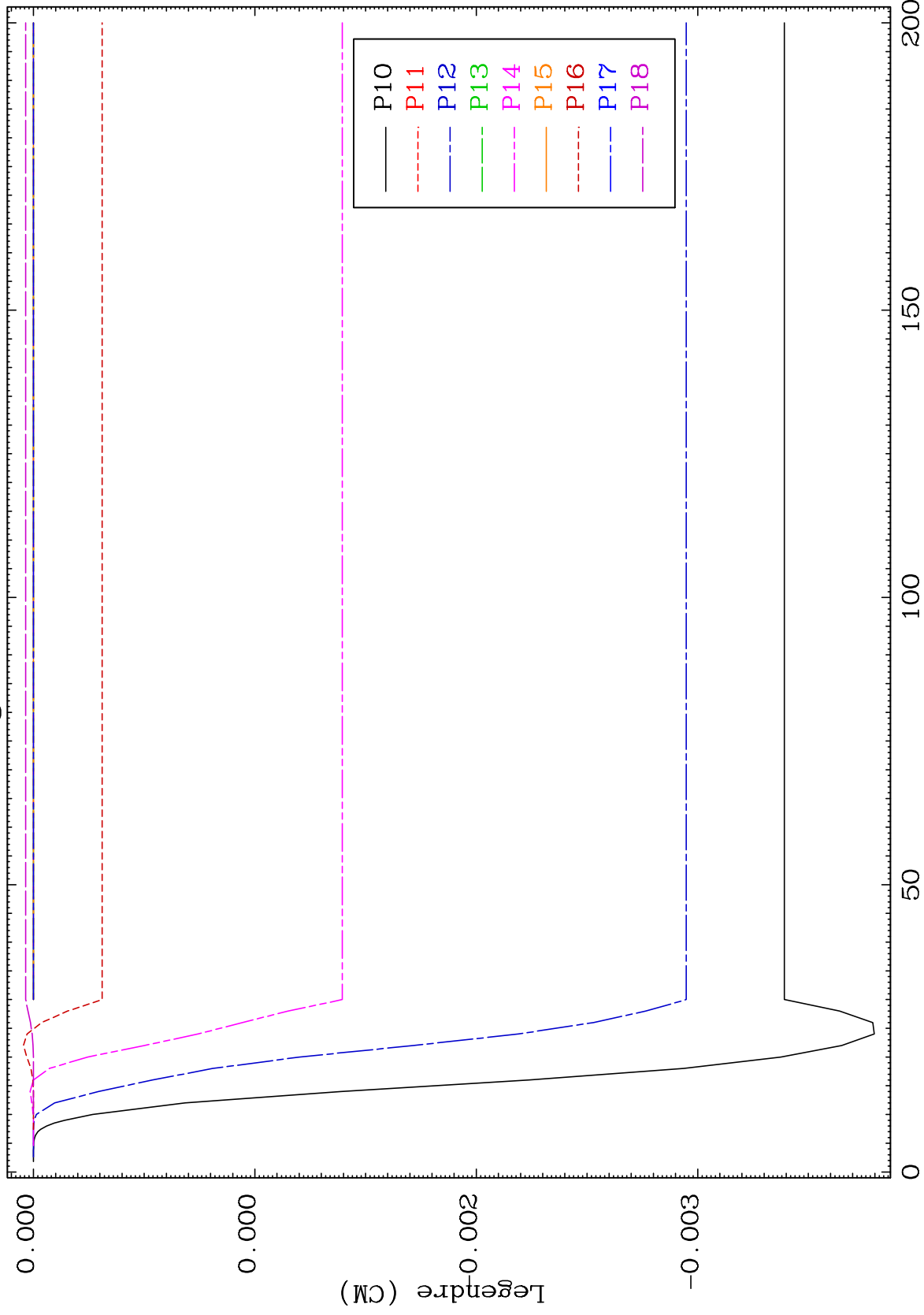
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



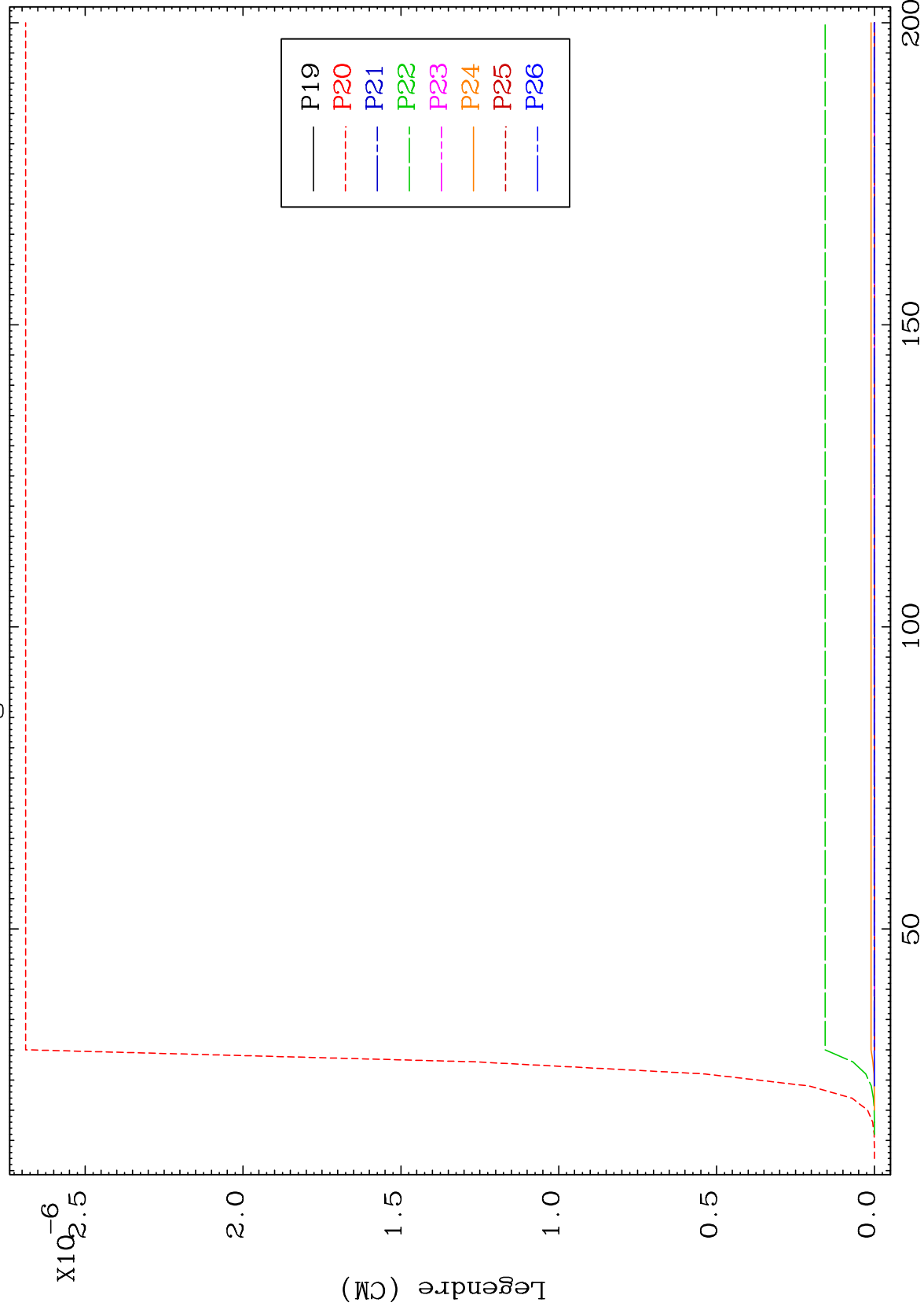
96

53-I -120

MAT 5304

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

53-I -120



53-I -120

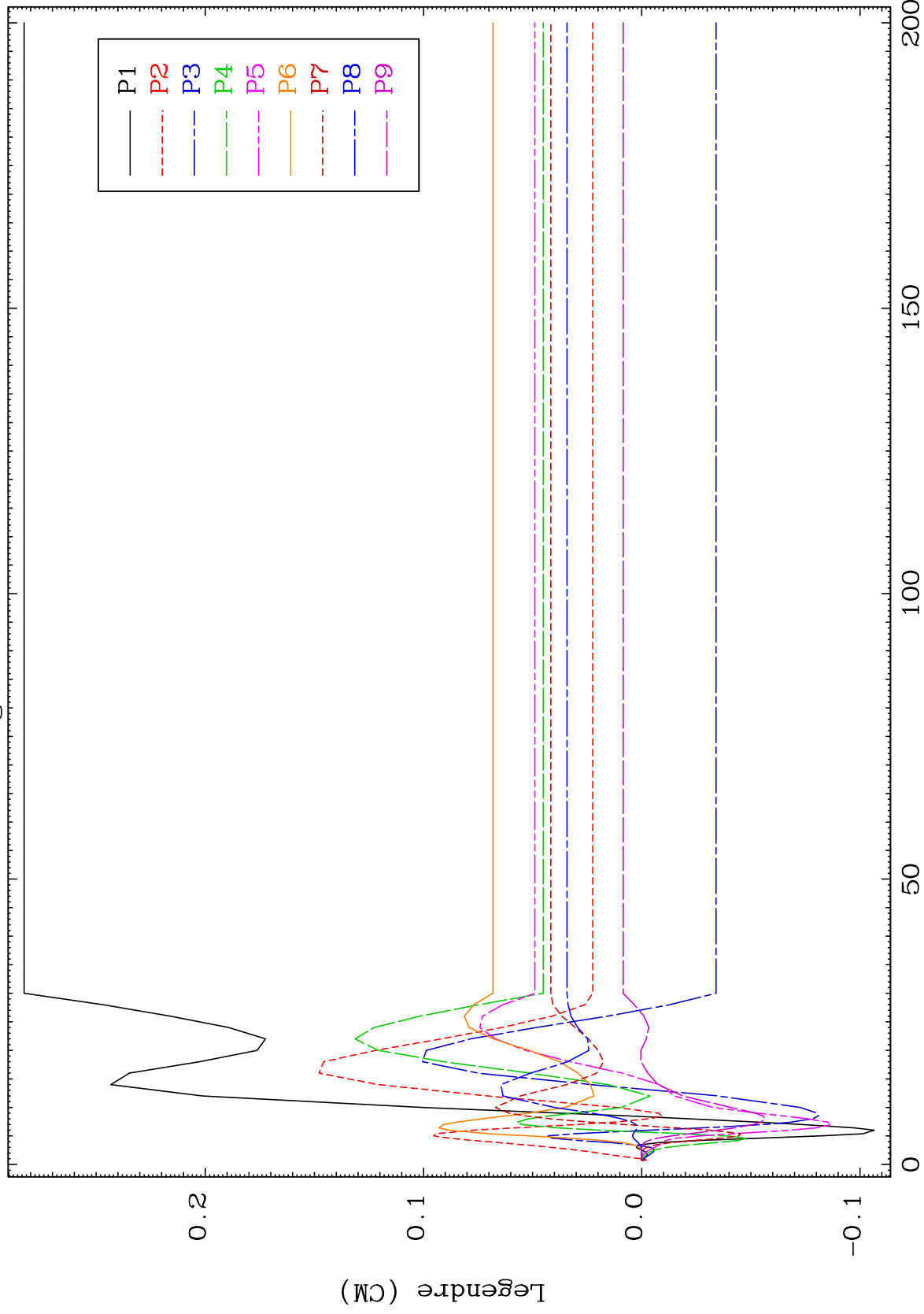
Incident Energy (MeV)

97

MAT 5304

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

53-I -120



98

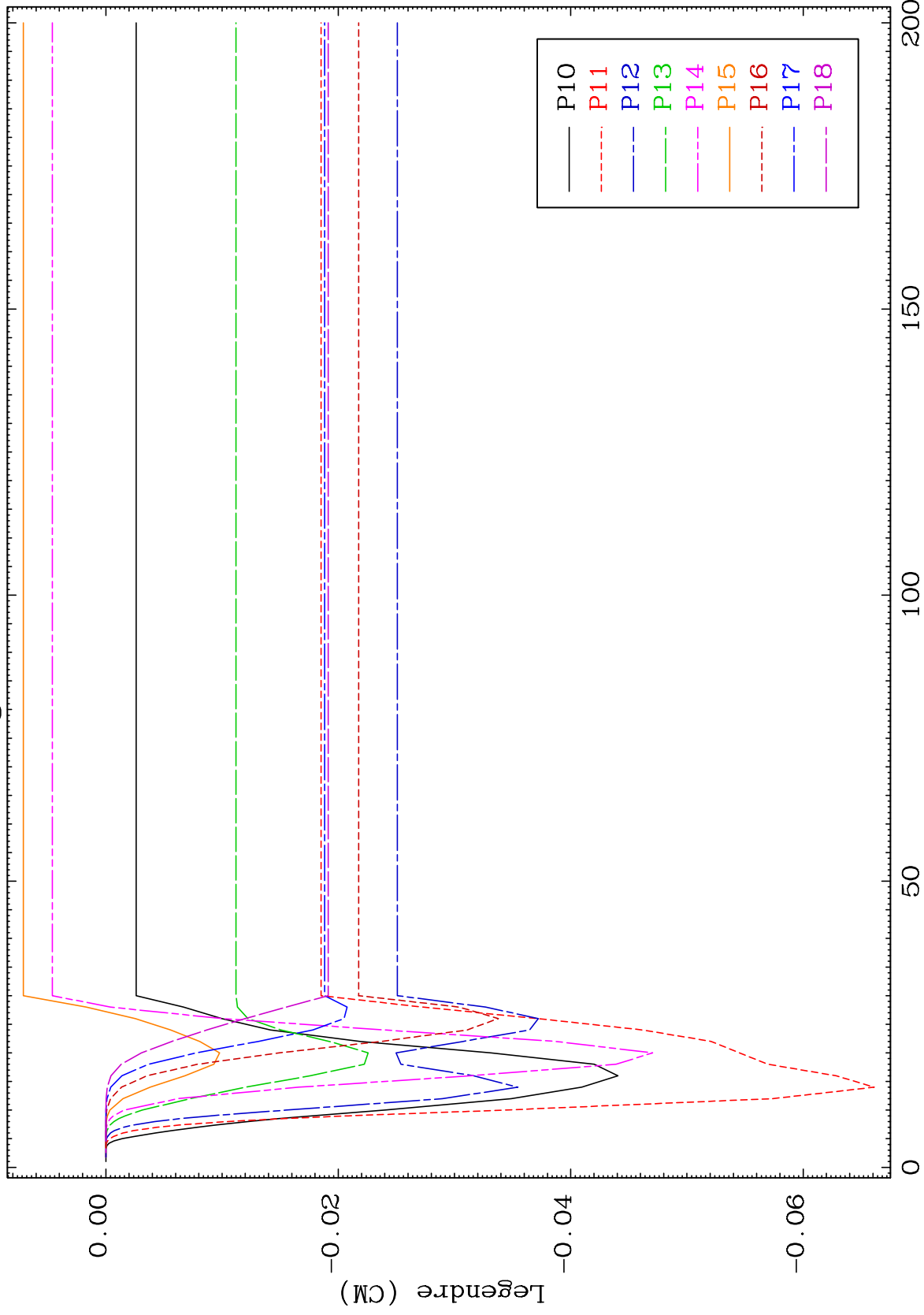
Incident Energy (MeV)

53-I -120

MAT 5304

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

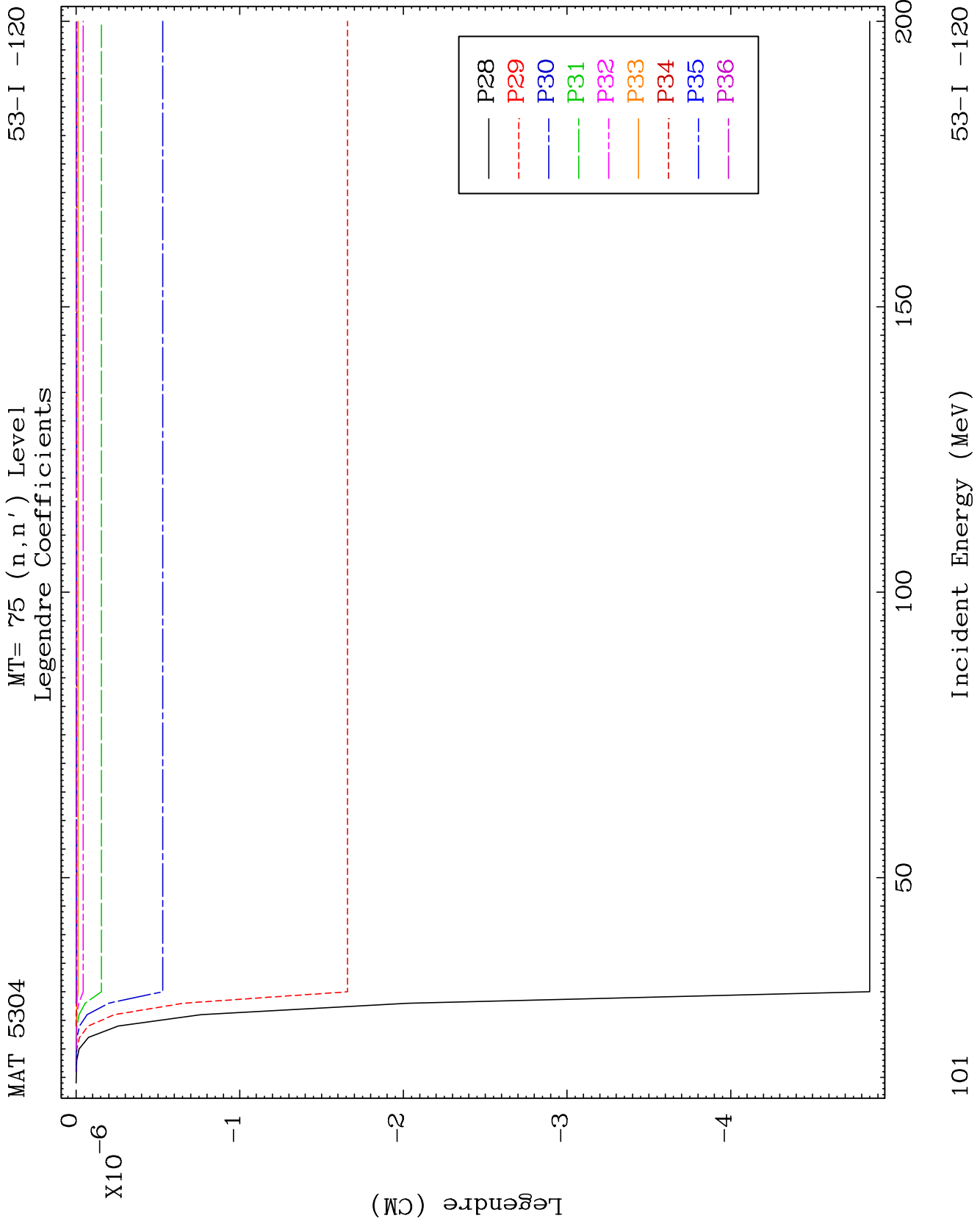
53-I -120



99

Incident Energy (MeV)

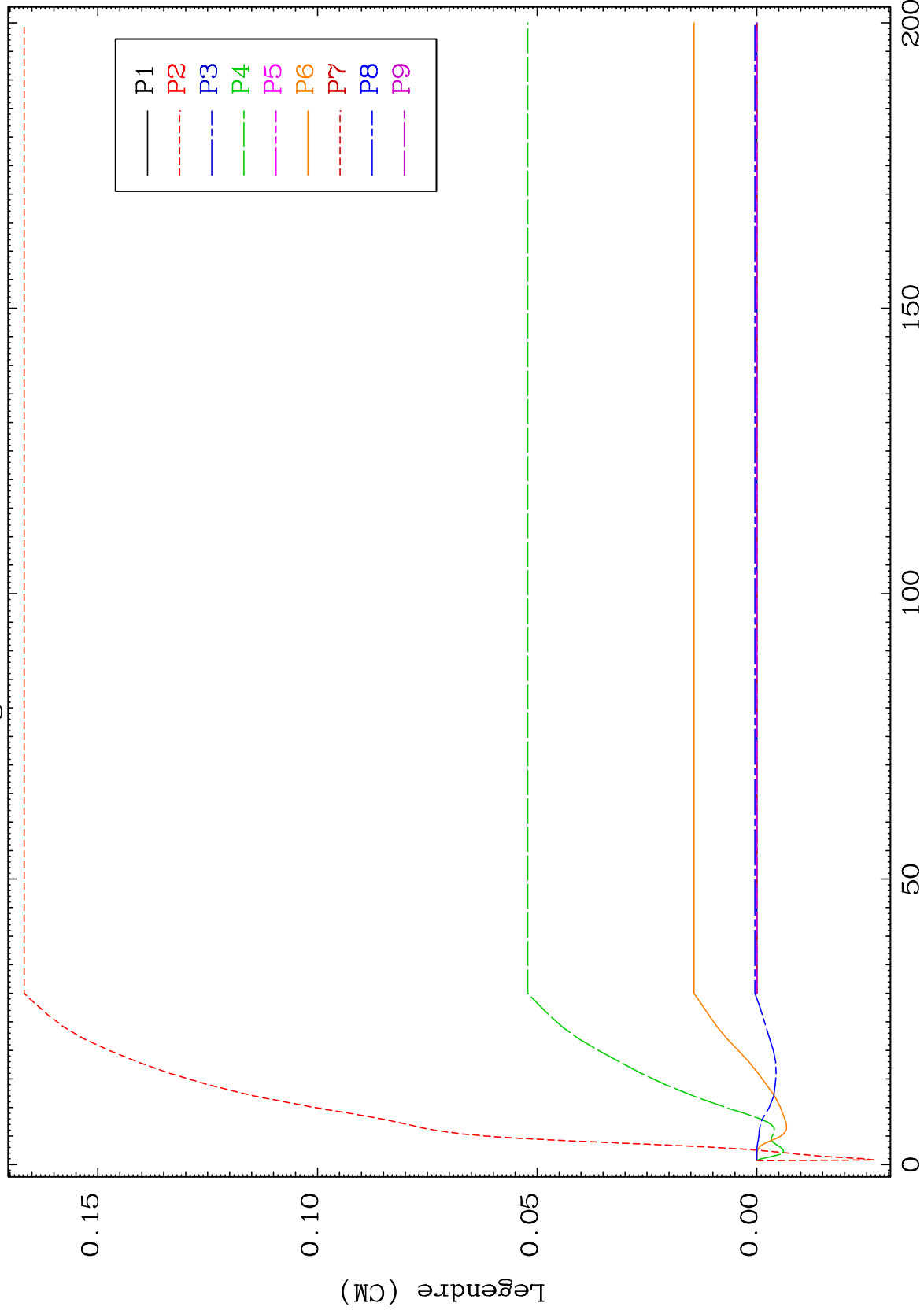
53-I -120



MAT 5304

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

53-I -120



102

Incident Energy (MeV)

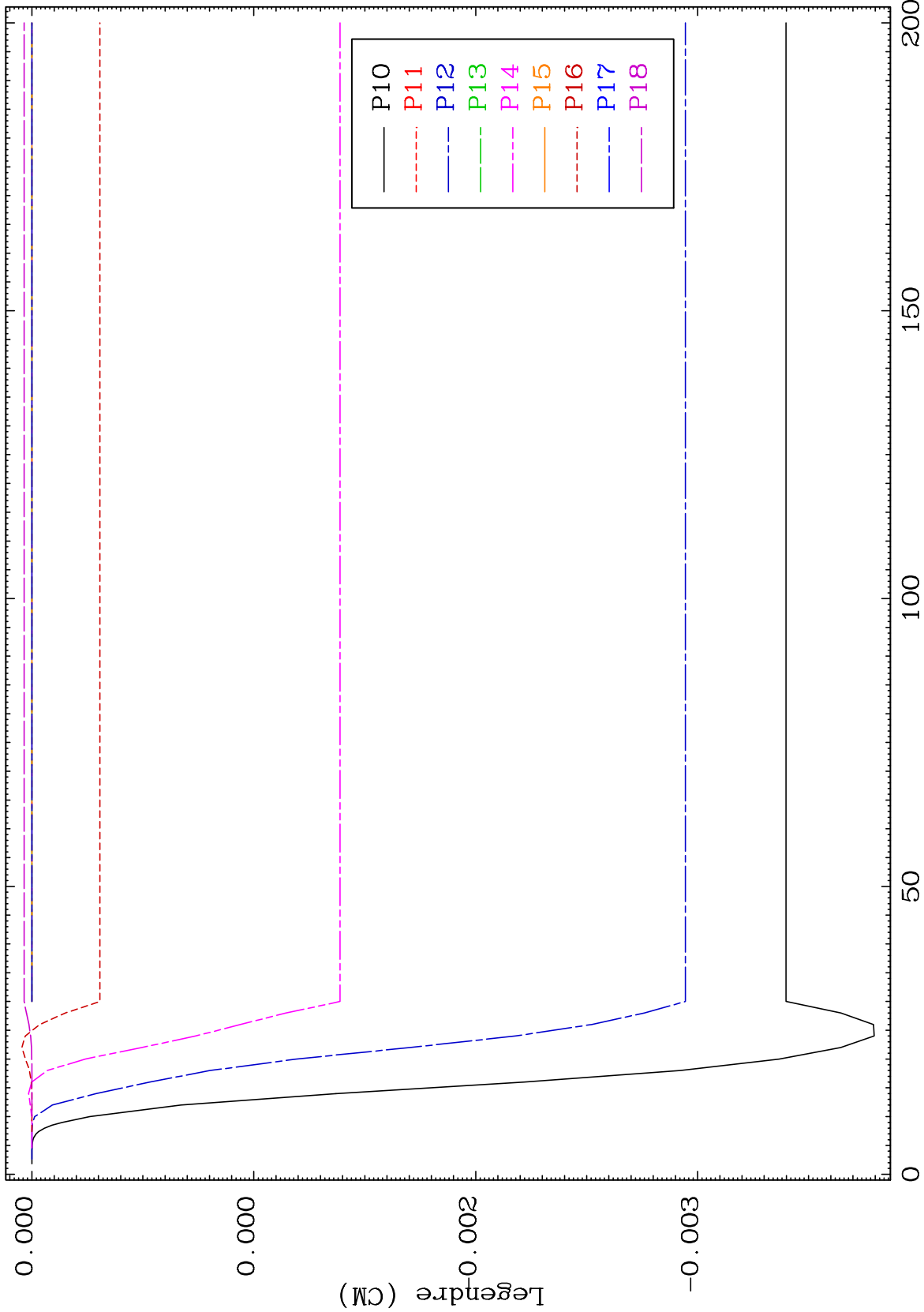
53-I -120

MAT 5304

MT= 76 (n,n') Level

53-I -120

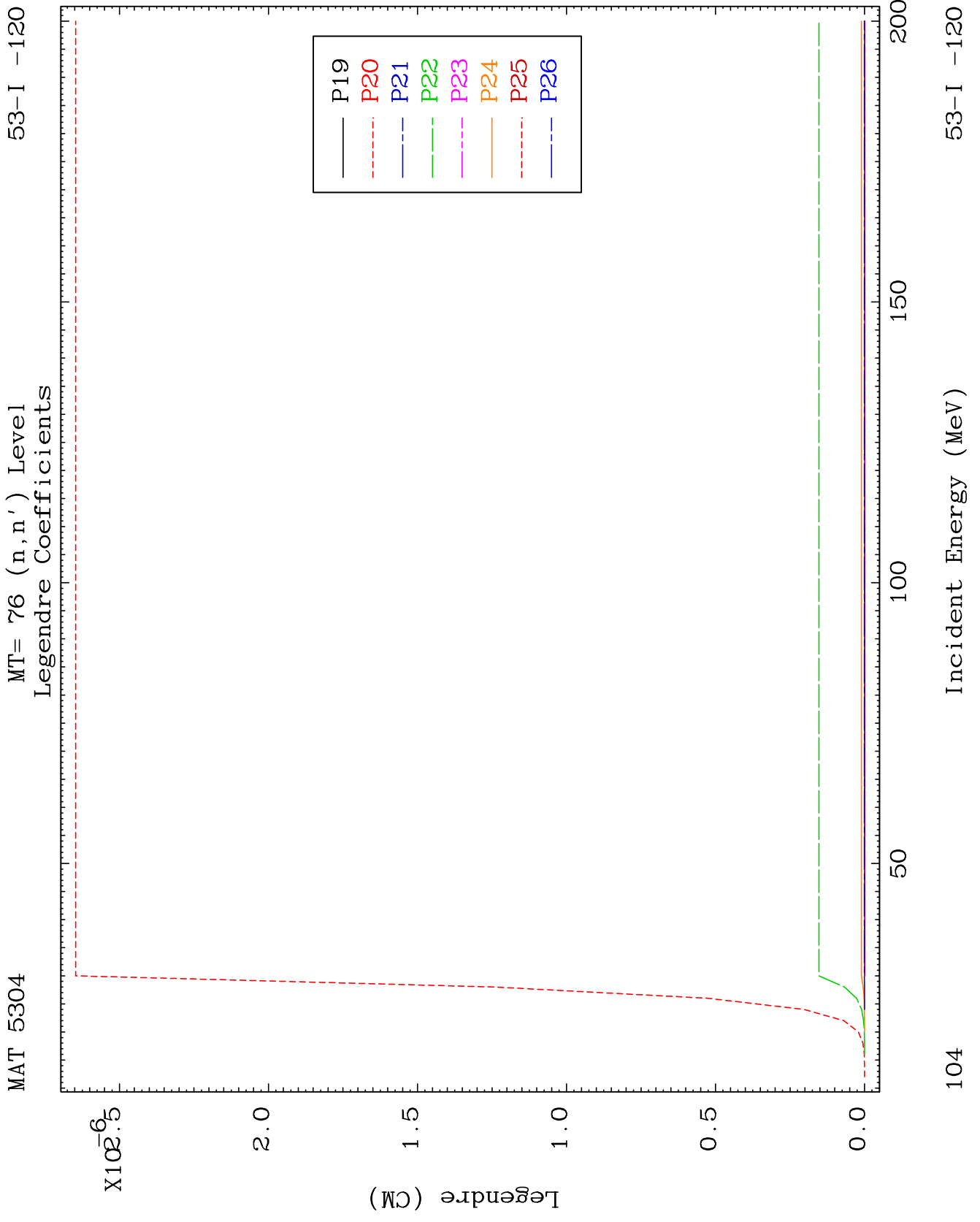
Legendre Coefficients



103

Incident Energy (MeV)

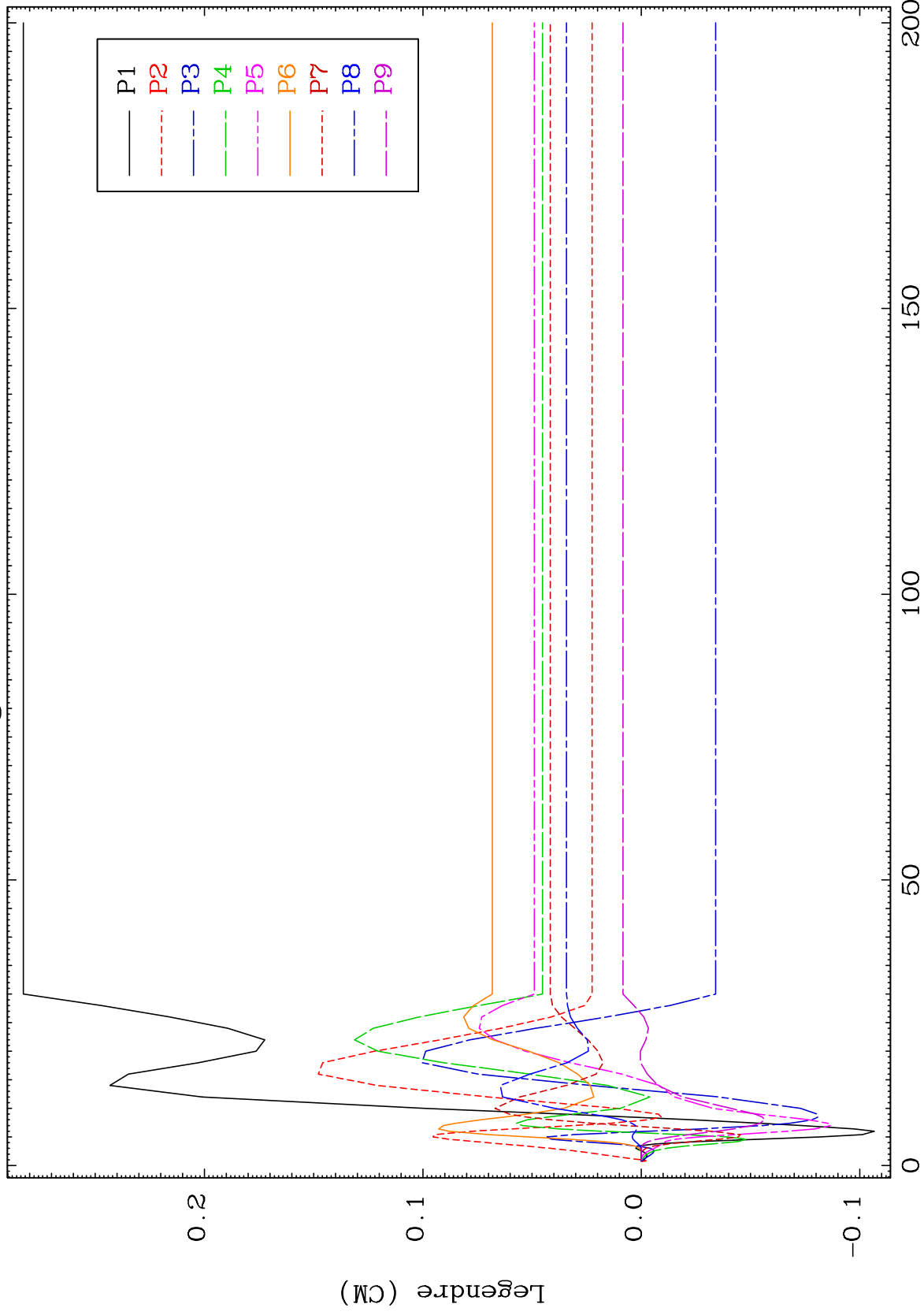
53-I -120



MAT 5304

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

53-I -120



105

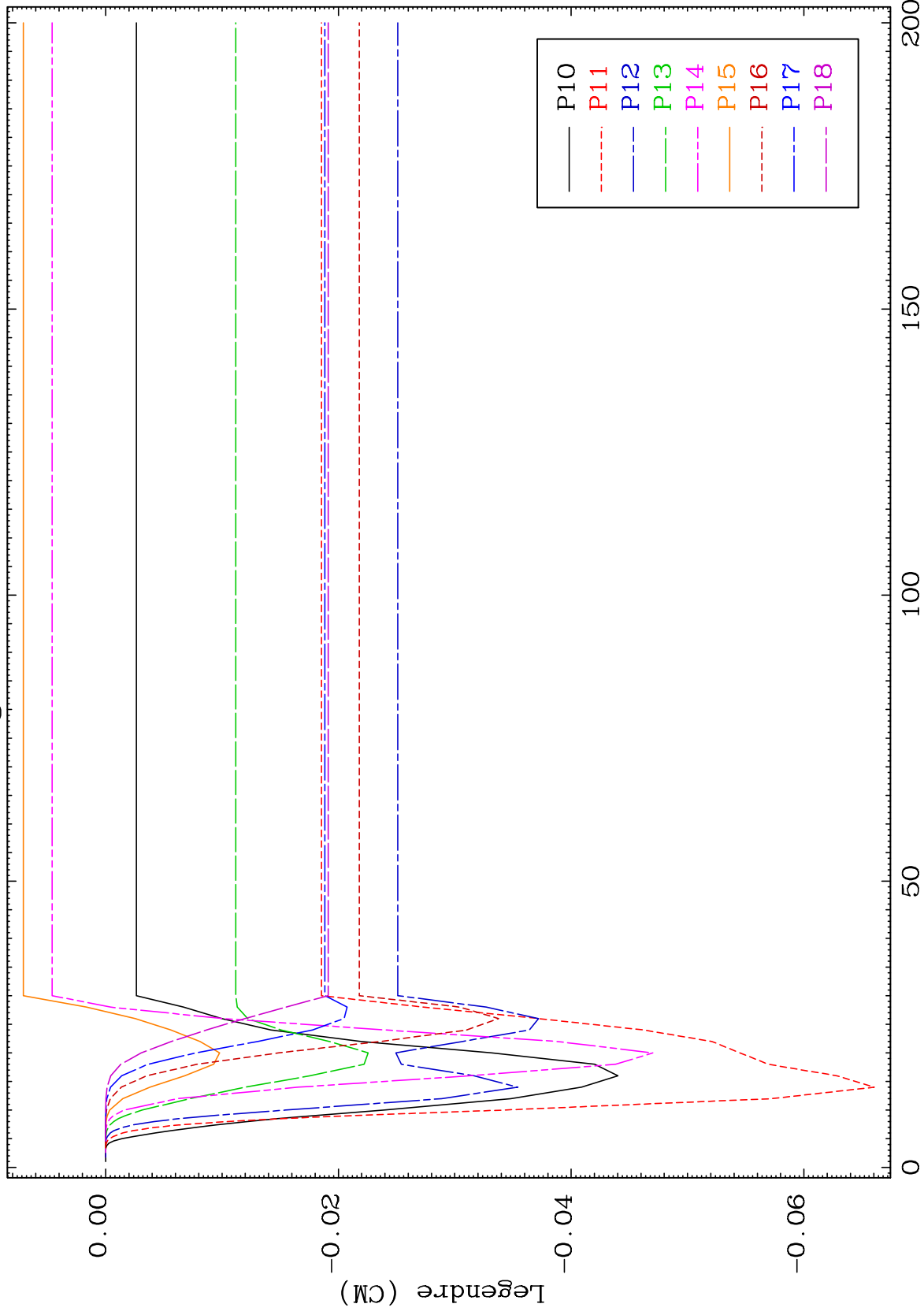
Incident Energy (MeV)

53-I -120

MAT 5304

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

53-I -120



0

50

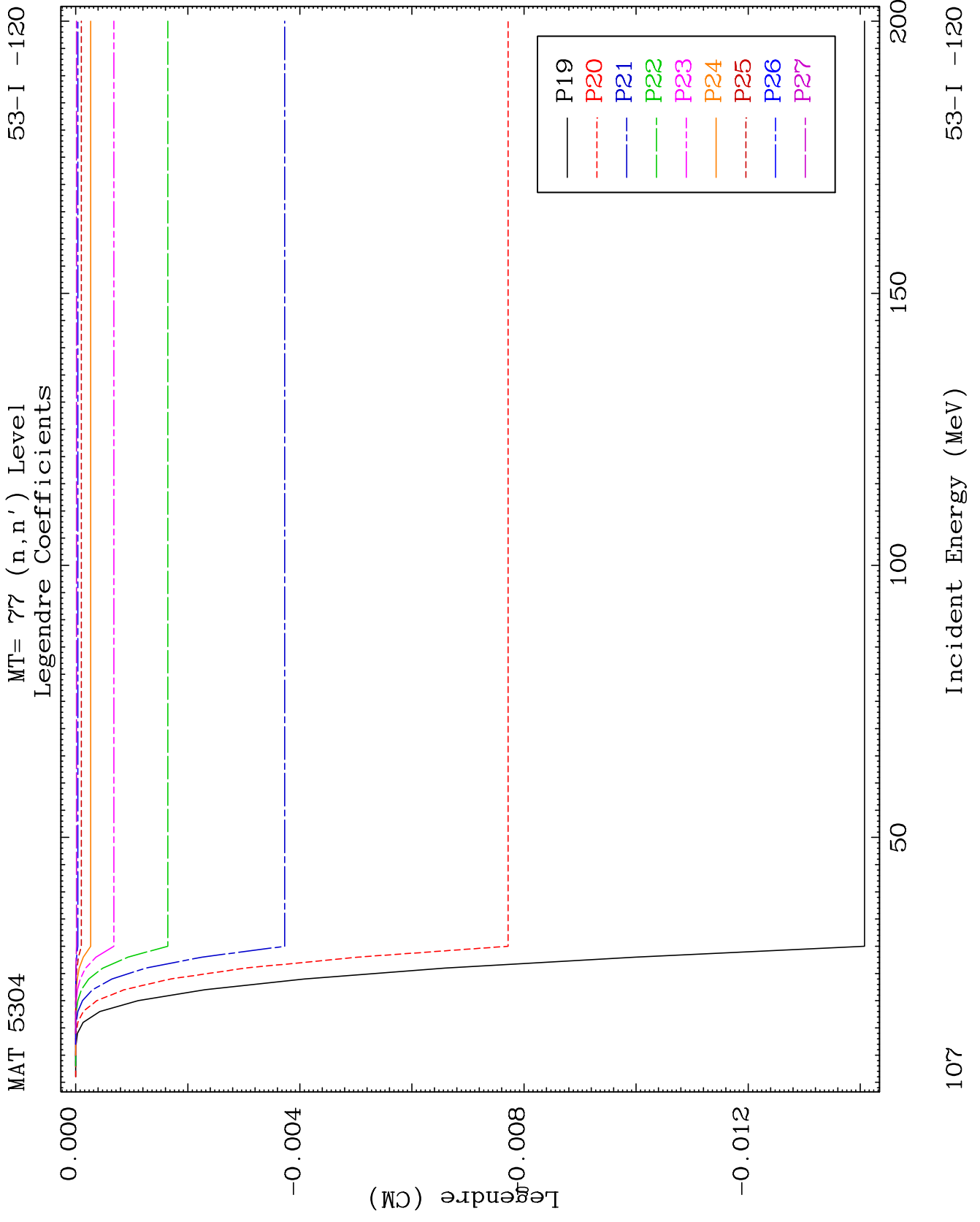
100

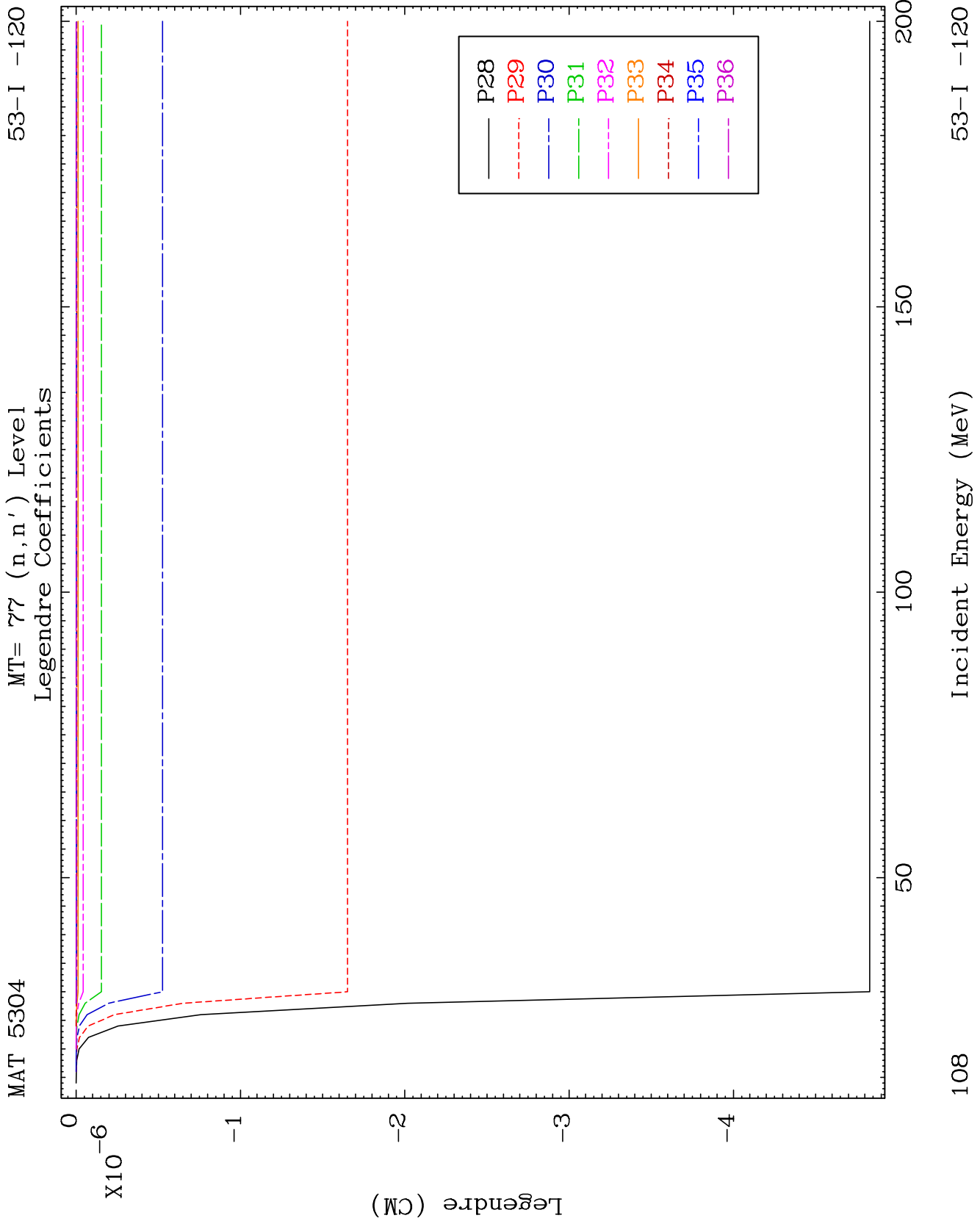
150

200

Incident Energy (MeV)

53-I -120

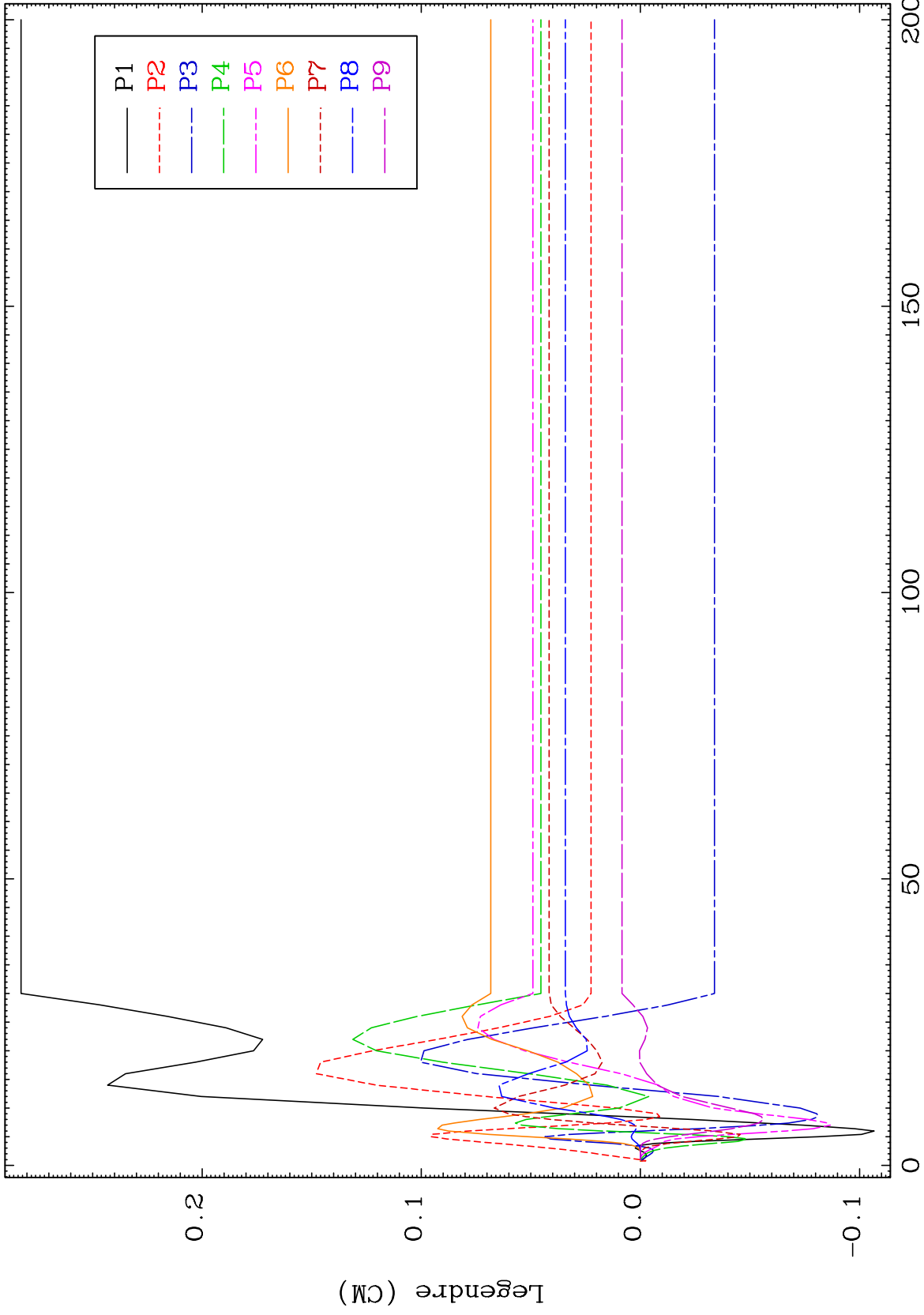




MAT 5304

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

53-I -120



109

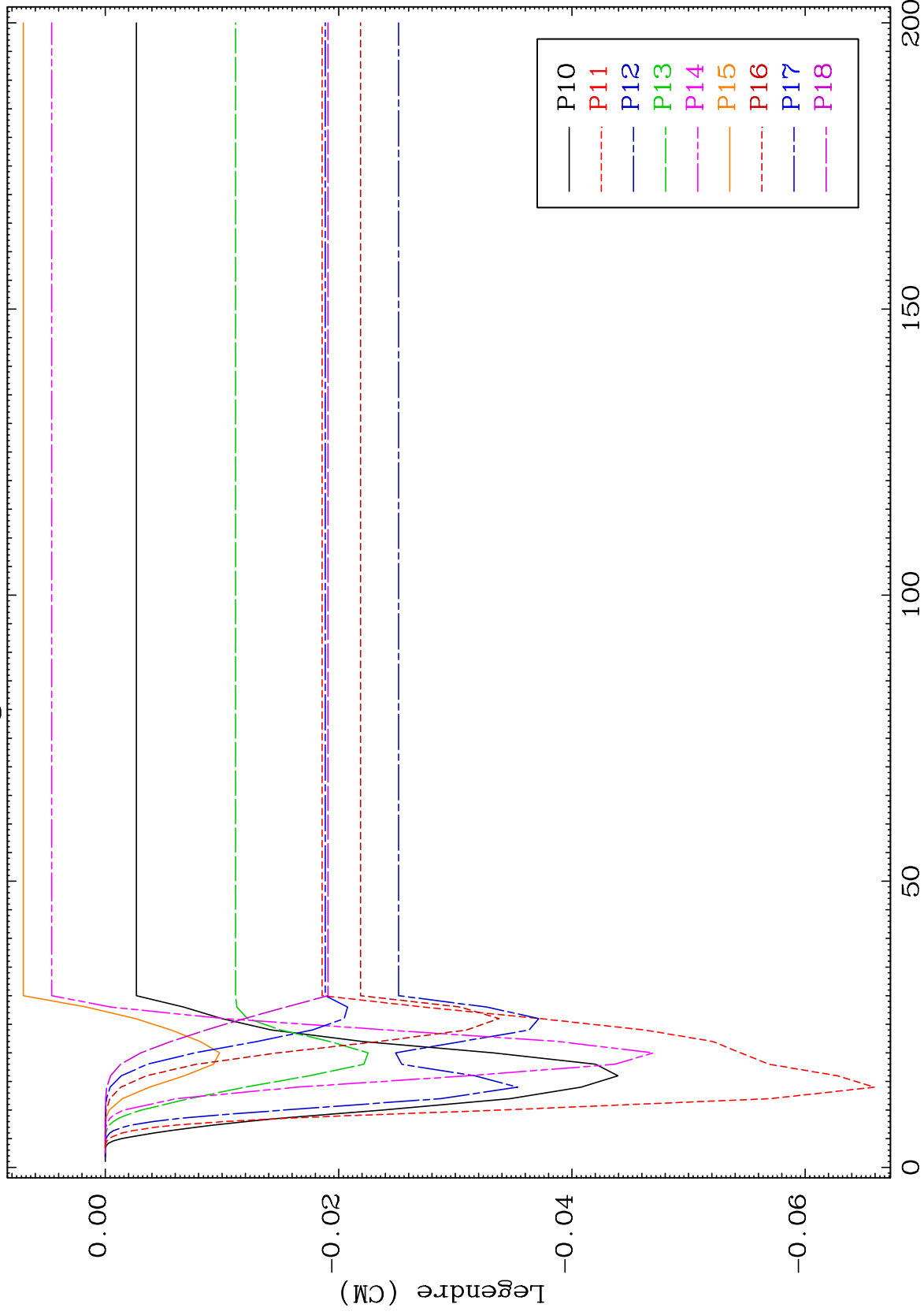
Incident Energy (MeV)

53-I -120

MAT 5304

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

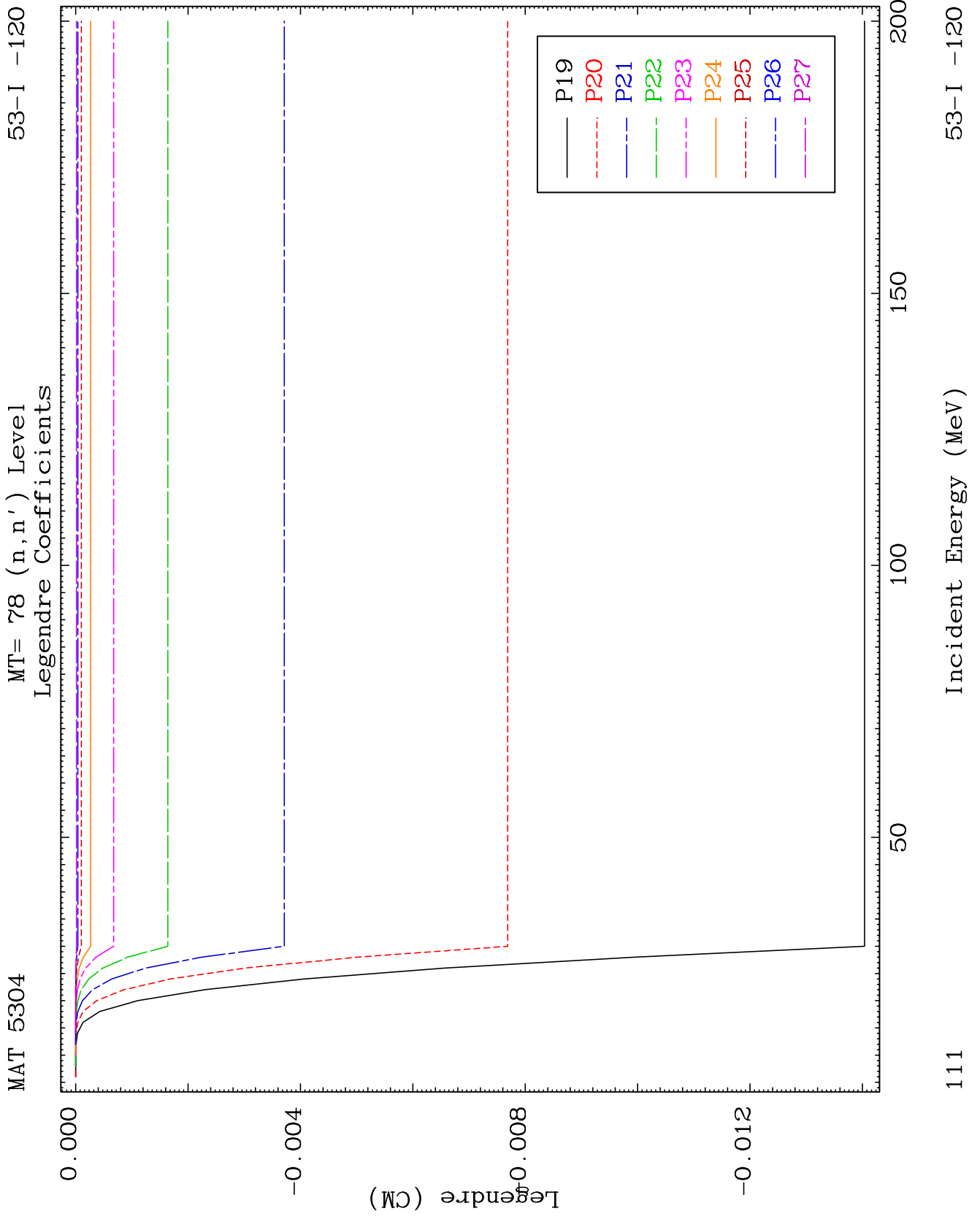
53-I -120

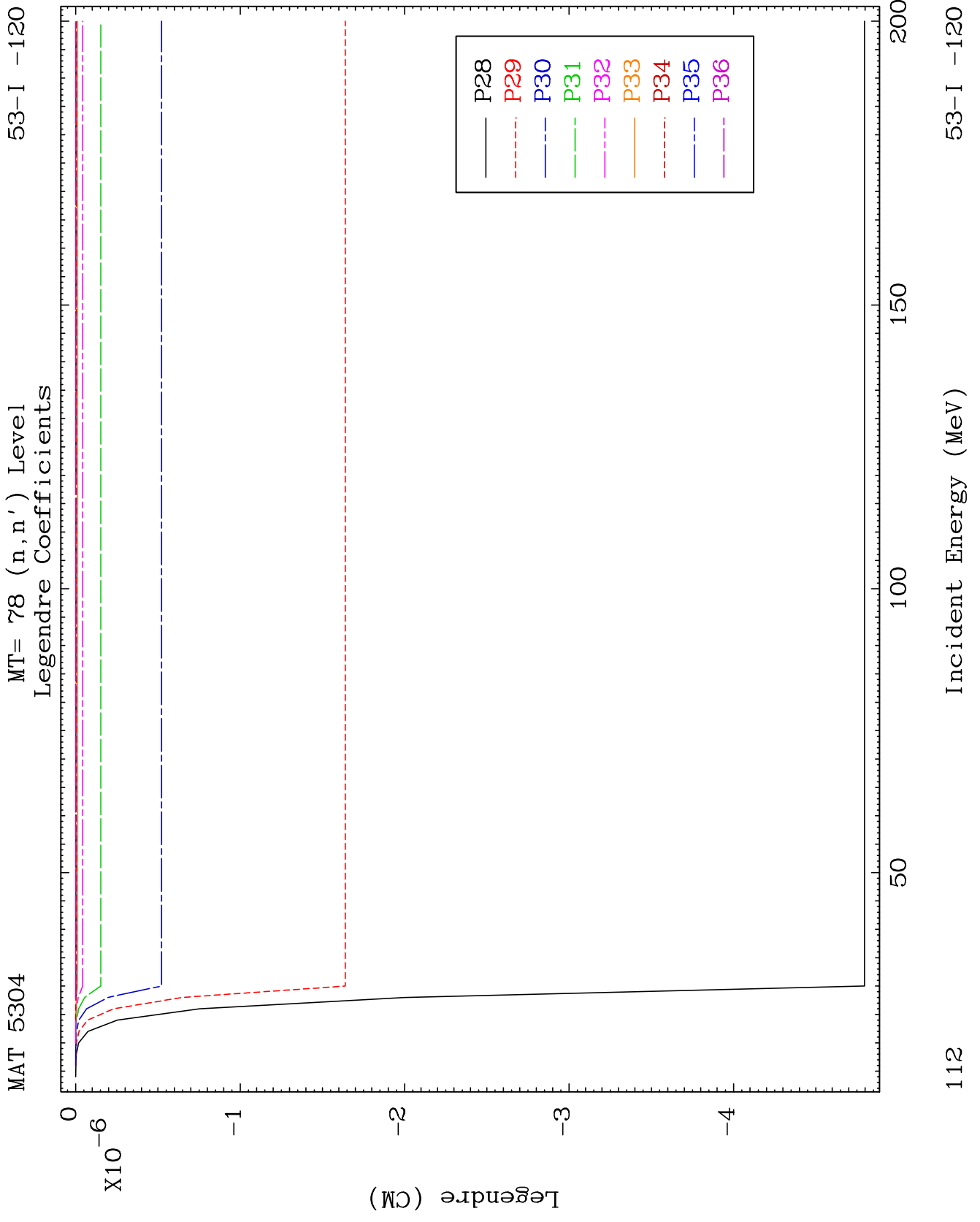


53-I -120

Incident Energy (MeV)

110

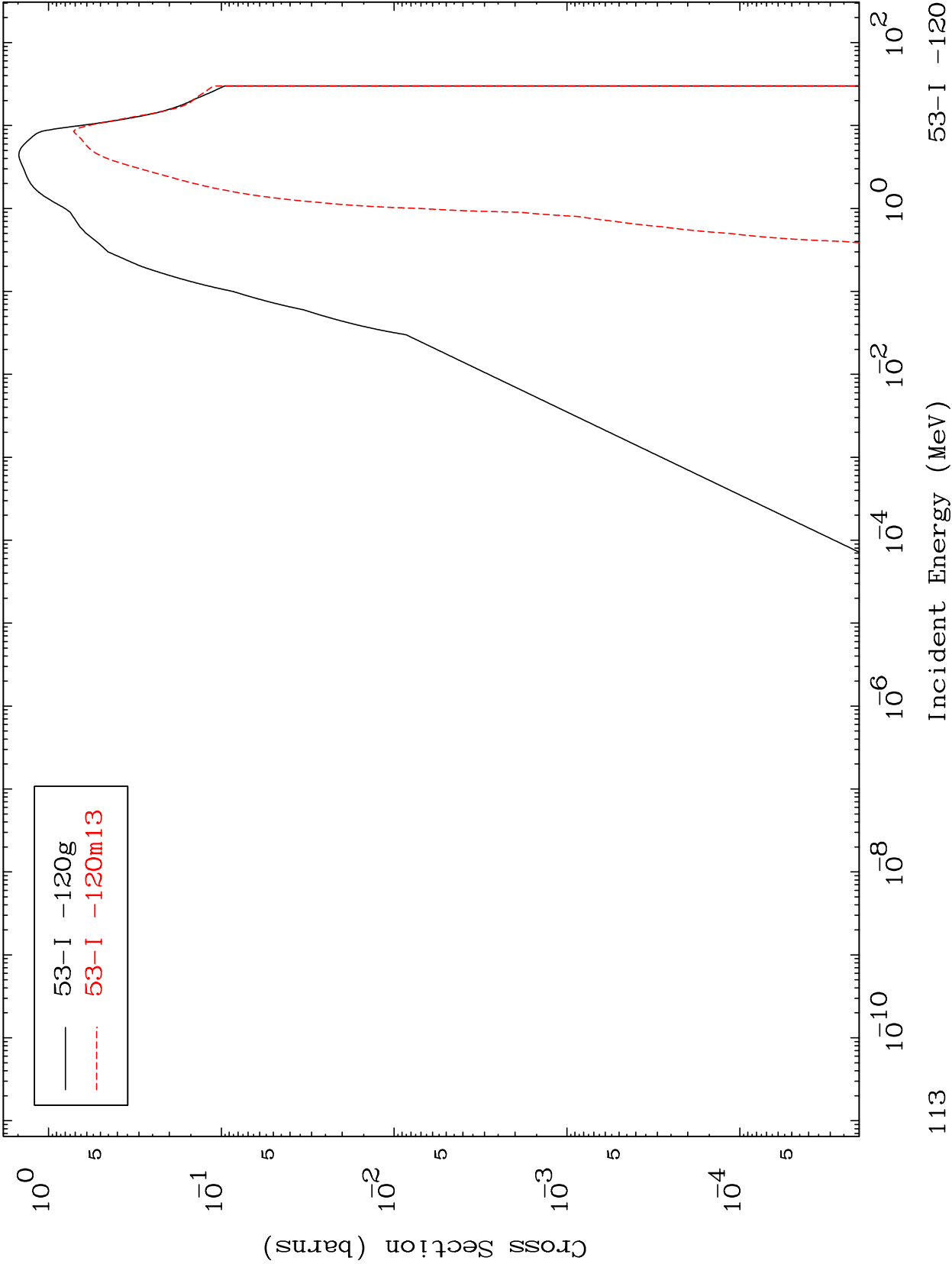




MAT 5304

Inelastic
Radionuclide Production Cross Section

53-I -120

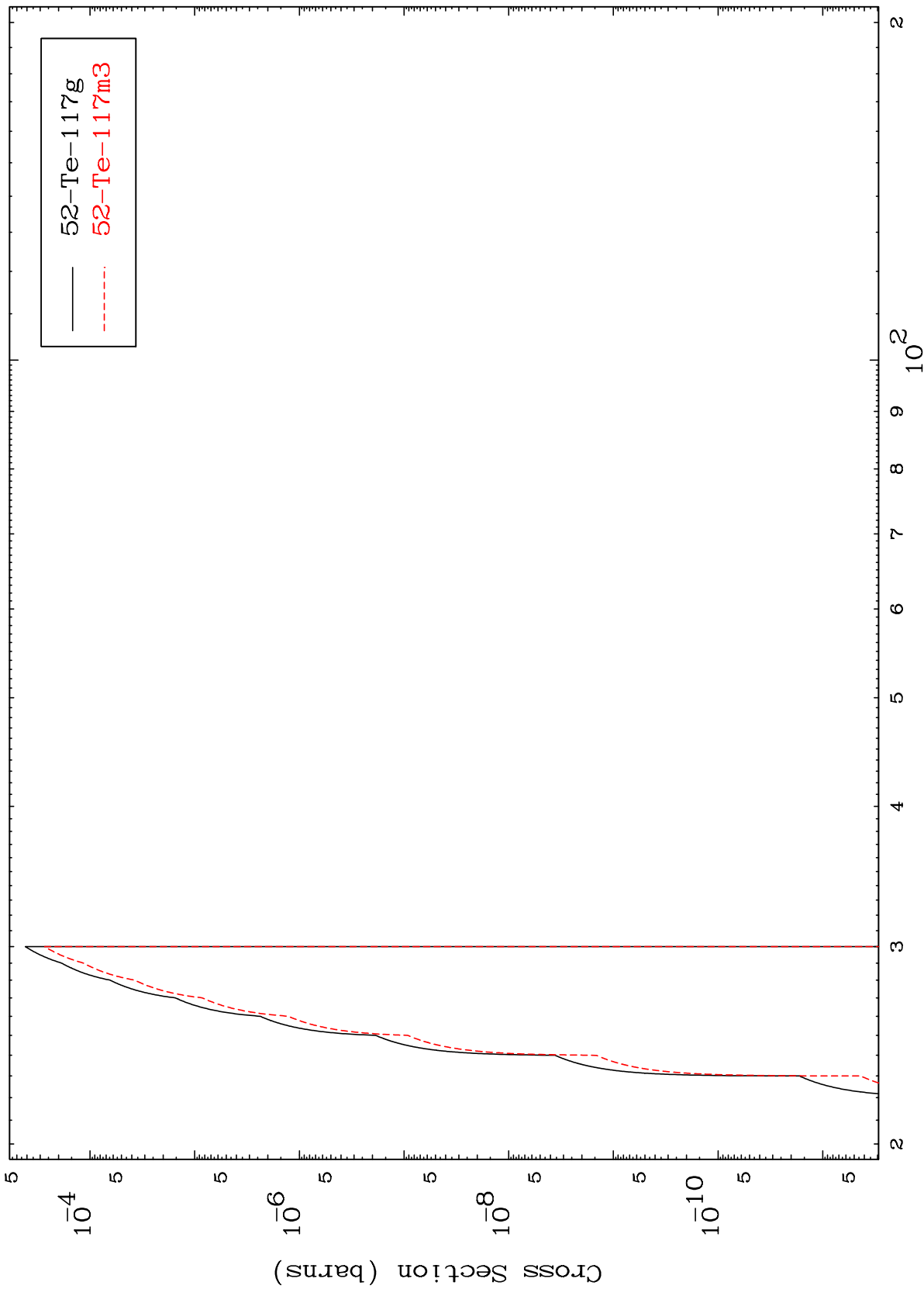


MAT 5304

(n,2n) d

53-I -120

Radionuclide Production Cross Section



114

Incident Energy (MeV)

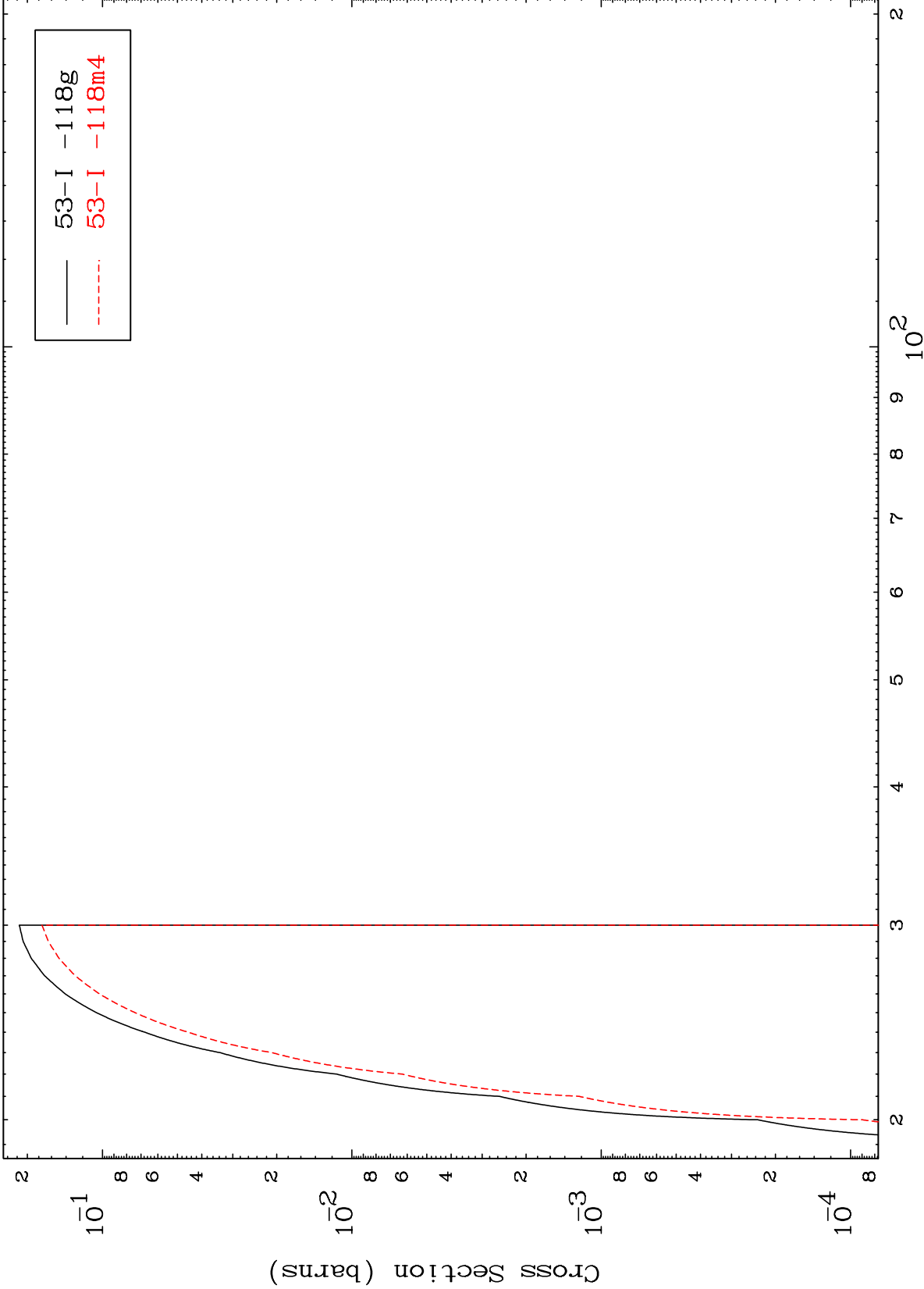
53-I -120

MAT 5304

(n,3n)

53-I -120

Radionuclide Production Cross Section



53-I -118g
53-I -118m4

115

Incident Energy (MeV)

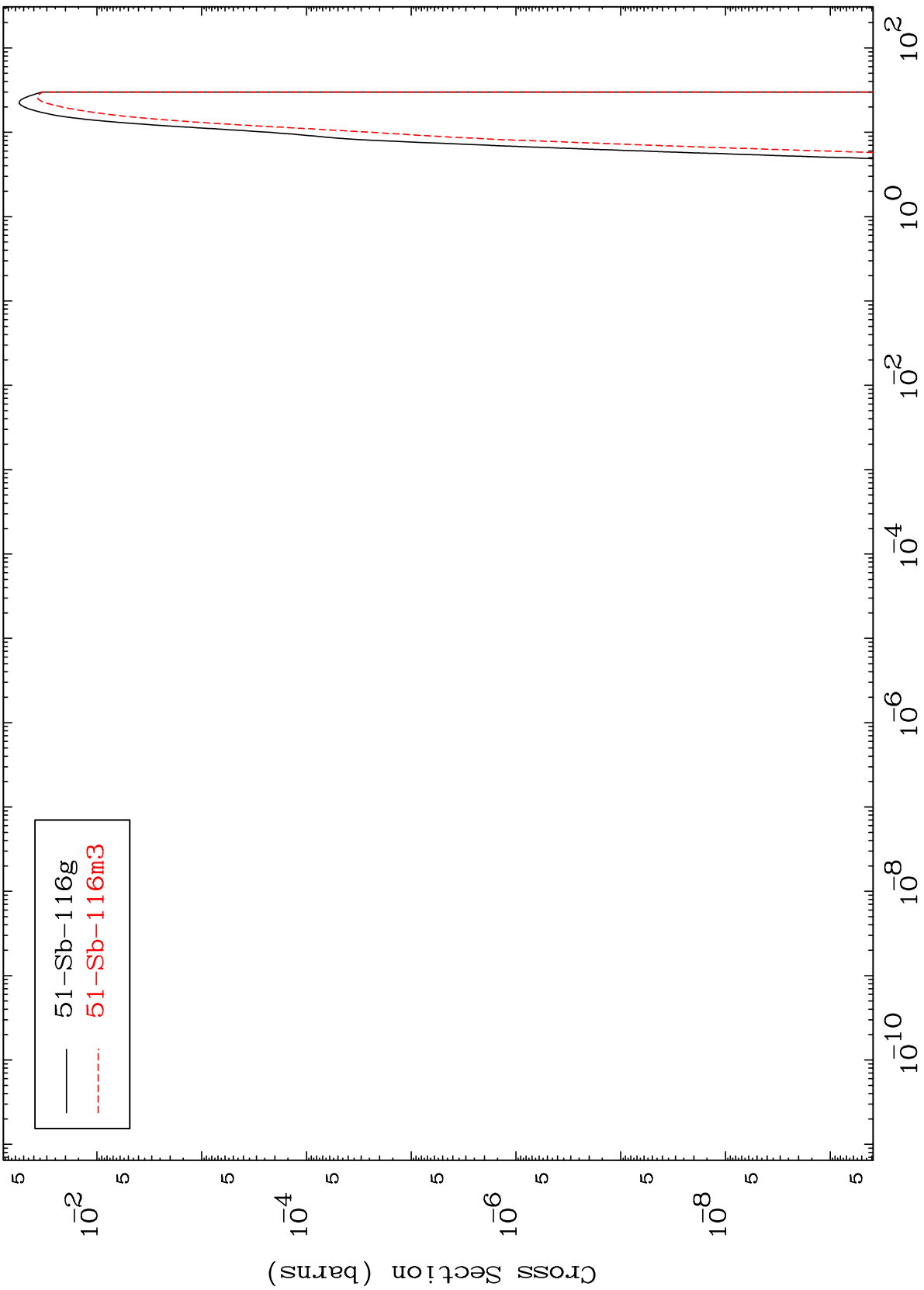
53-I -120

MAT 5304

(n,n') α

53-I -120

Radionuclide Production Cross Section



116

Incident Energy (MeV)

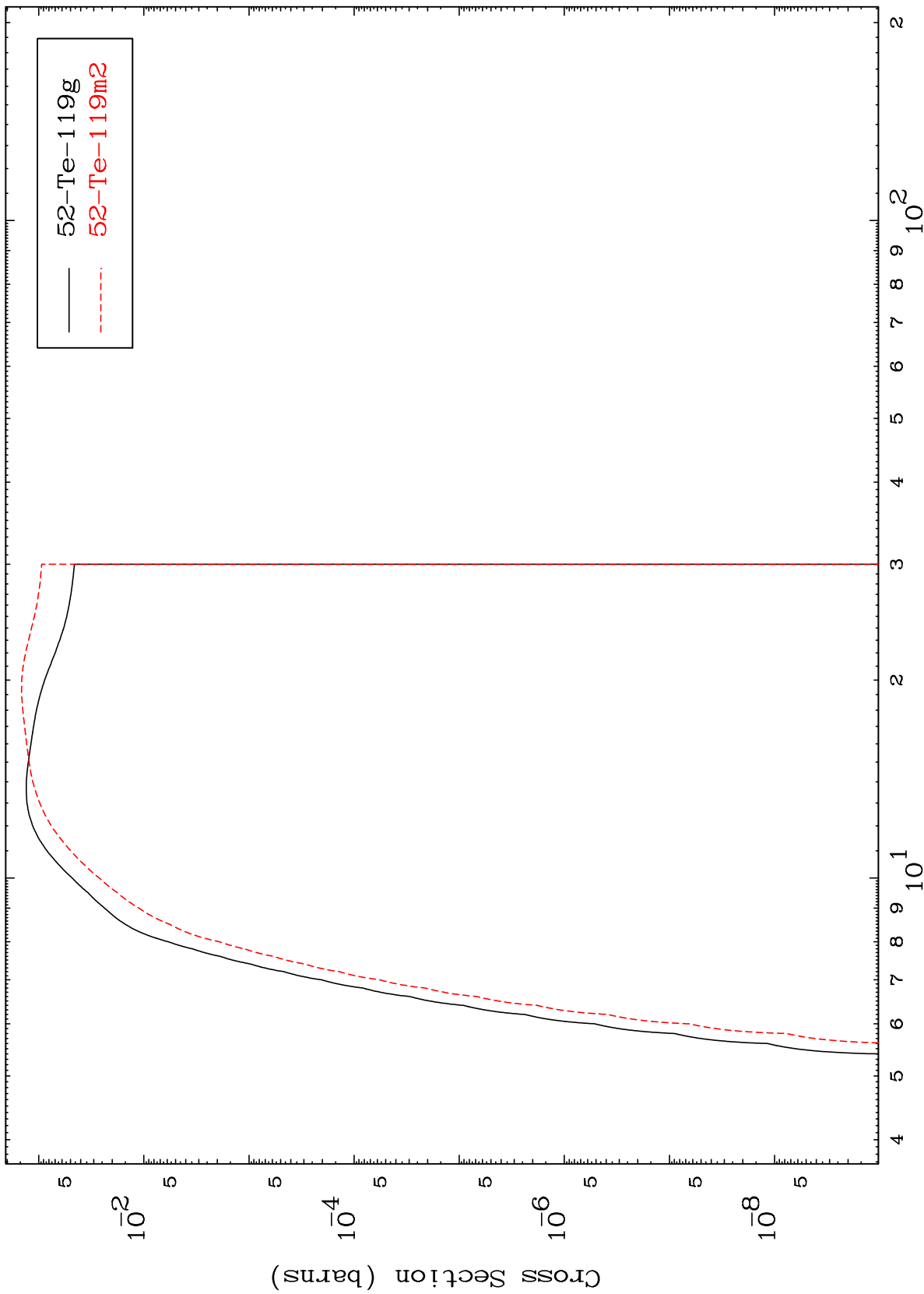
53-I -120

MAT 5304

(n,n') p

53-I -120

Radionuclide Production Cross Section



117

Incident Energy (MeV)

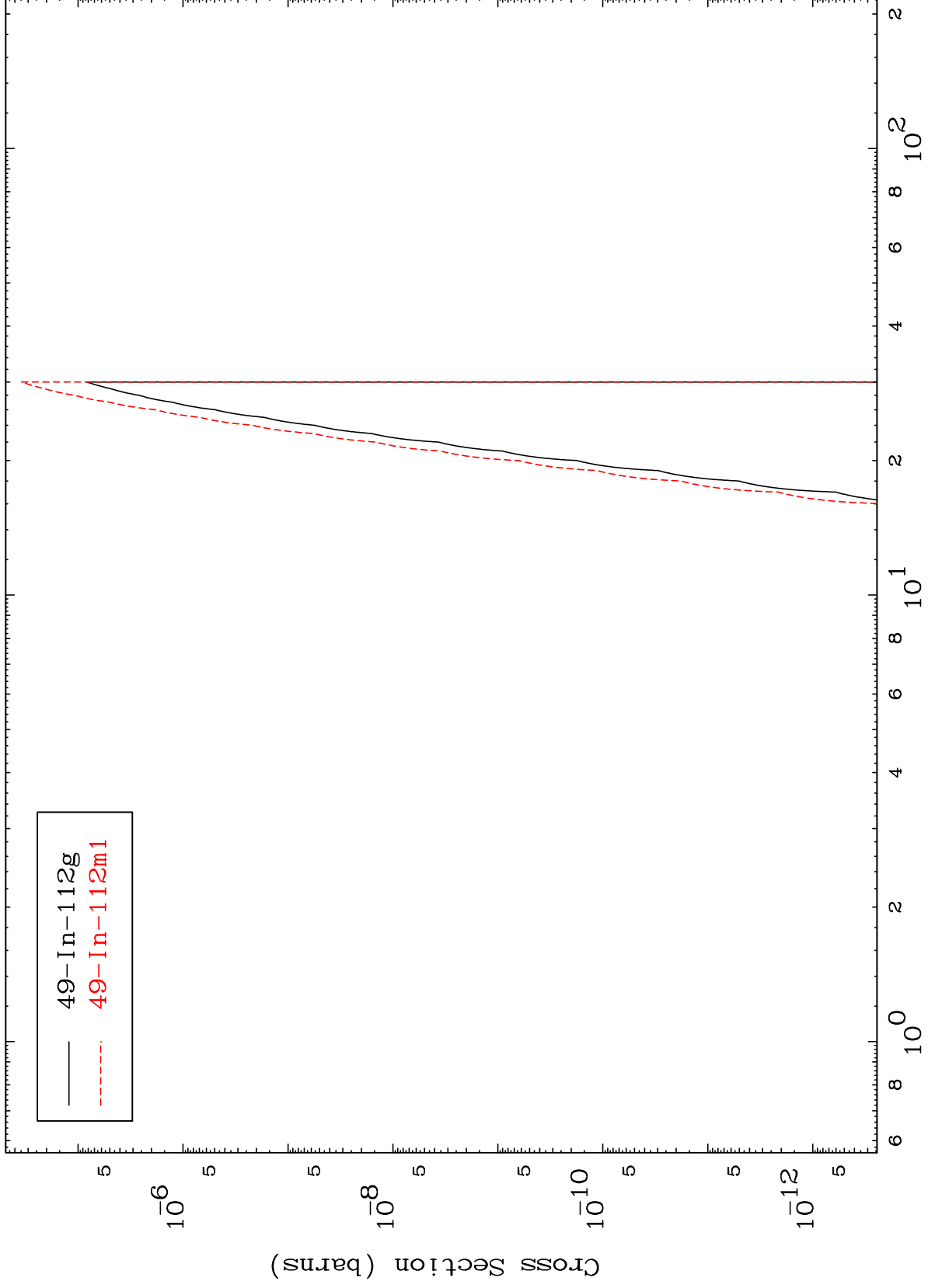
53-I -120

MAT 5304

(n,n') 2α

53-I -120

Radionuclide Production Cross Section



— 49-In-112g
- - - 49-In-112m1

118

Incident Energy (MeV)

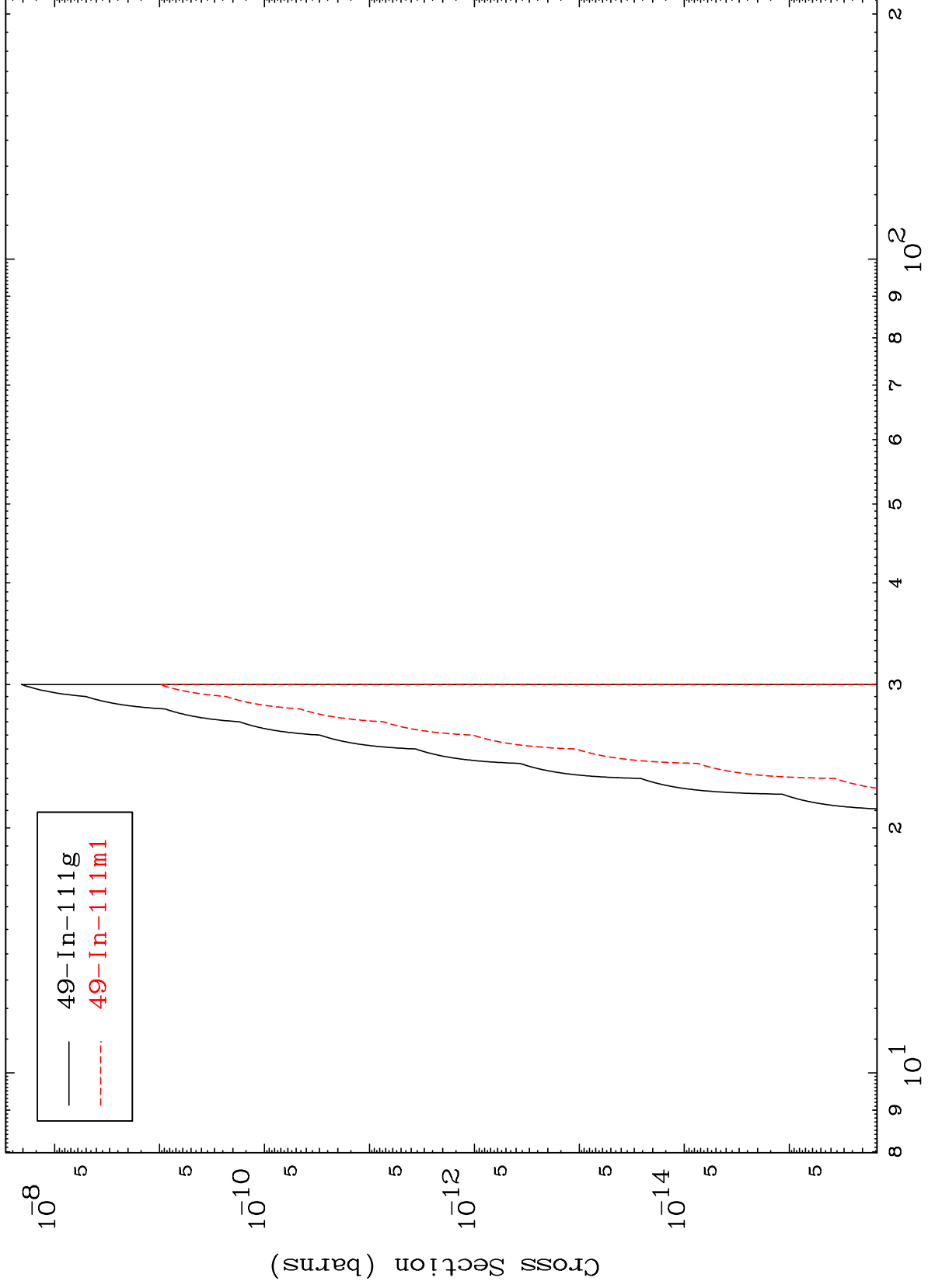
53-I -120

MAT 5304

(n,2n) 2α

53-I -120

Radionuclide Production Cross Section



— 49-In-111g
- - - 49-In-111m1

119

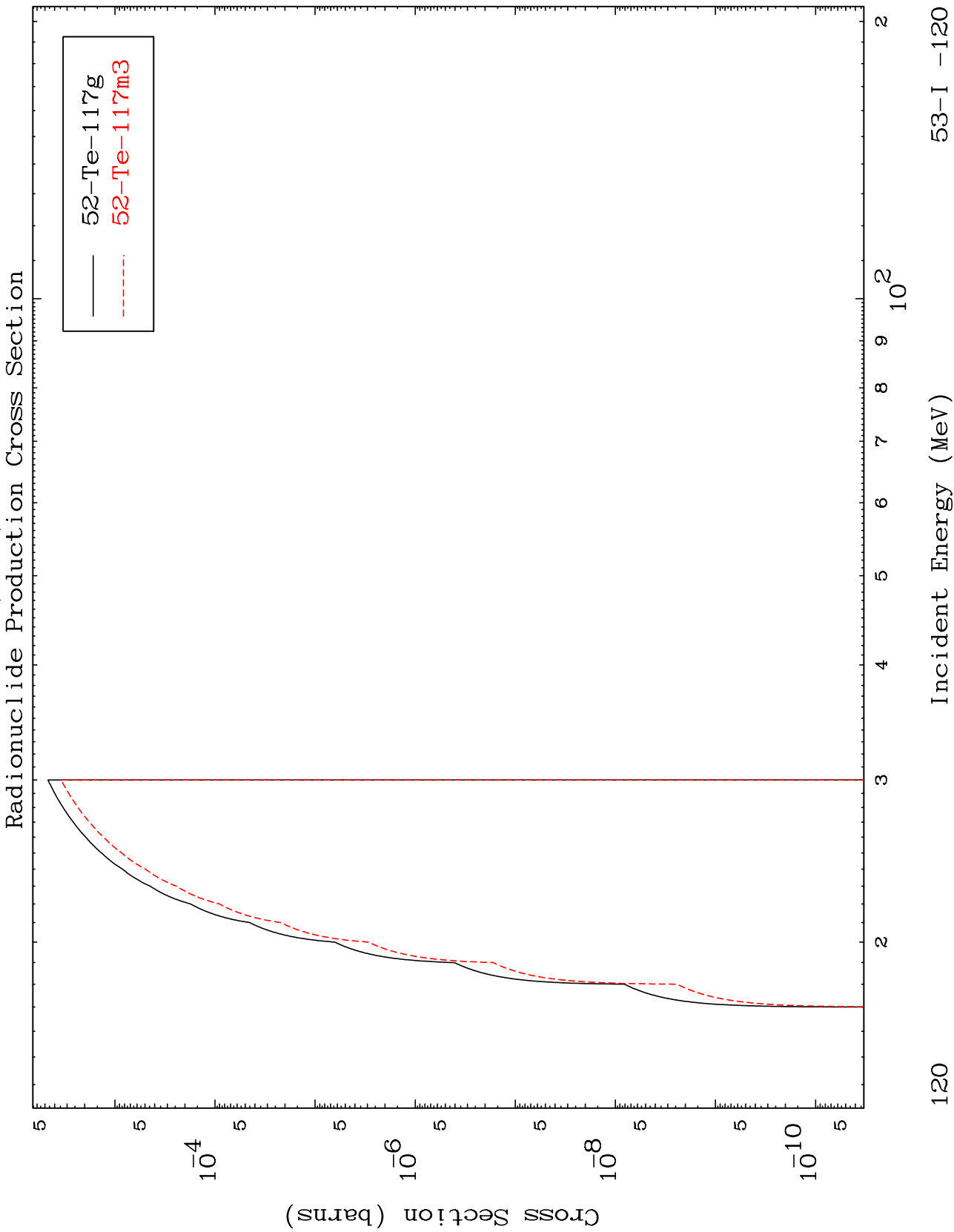
Incident Energy (MeV)

53-I -120

MAT 5304

(n,n') t

53-I -120

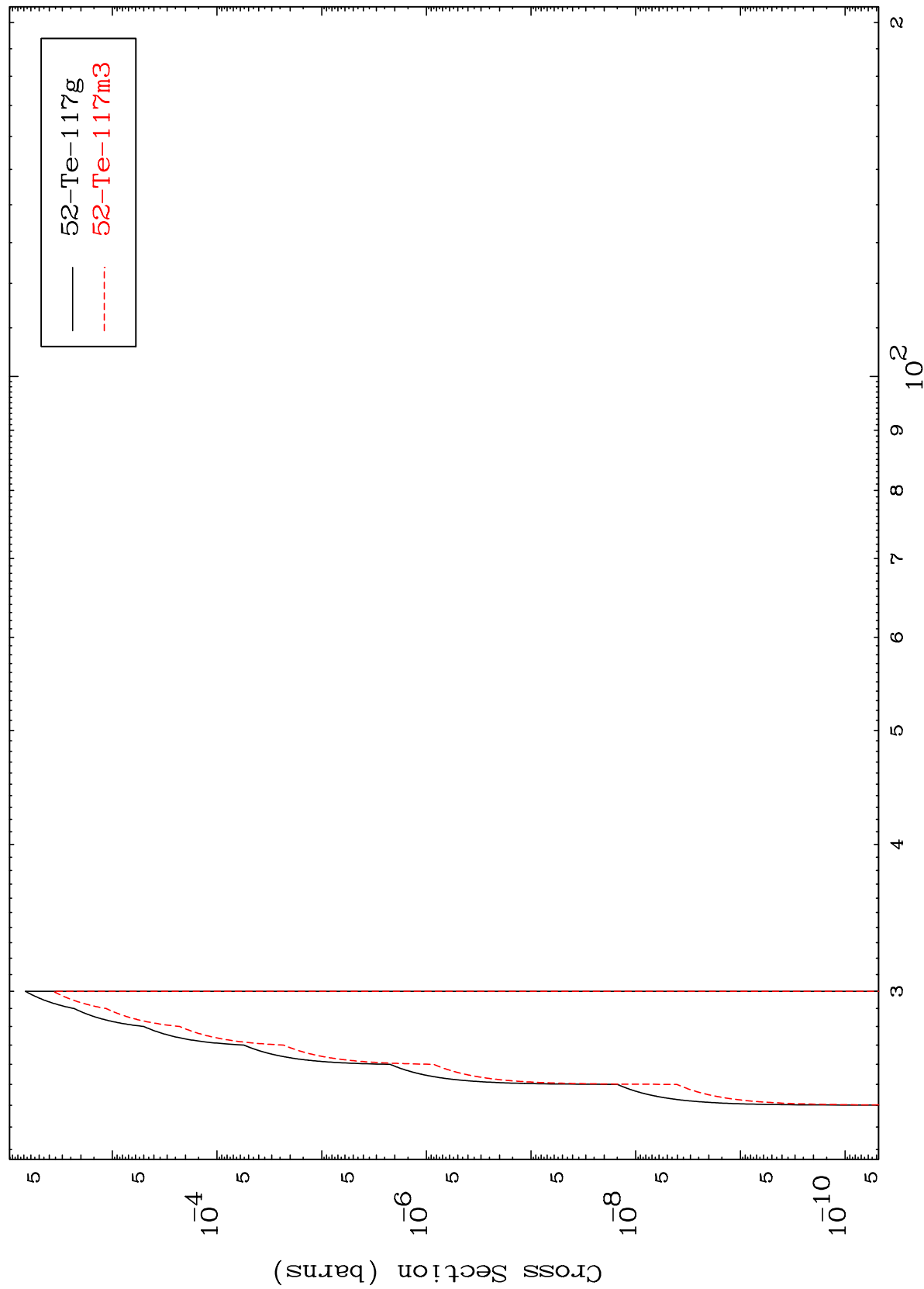


120

Incident Energy (MeV)

53-I -120

Radionuclide Production Cross Section

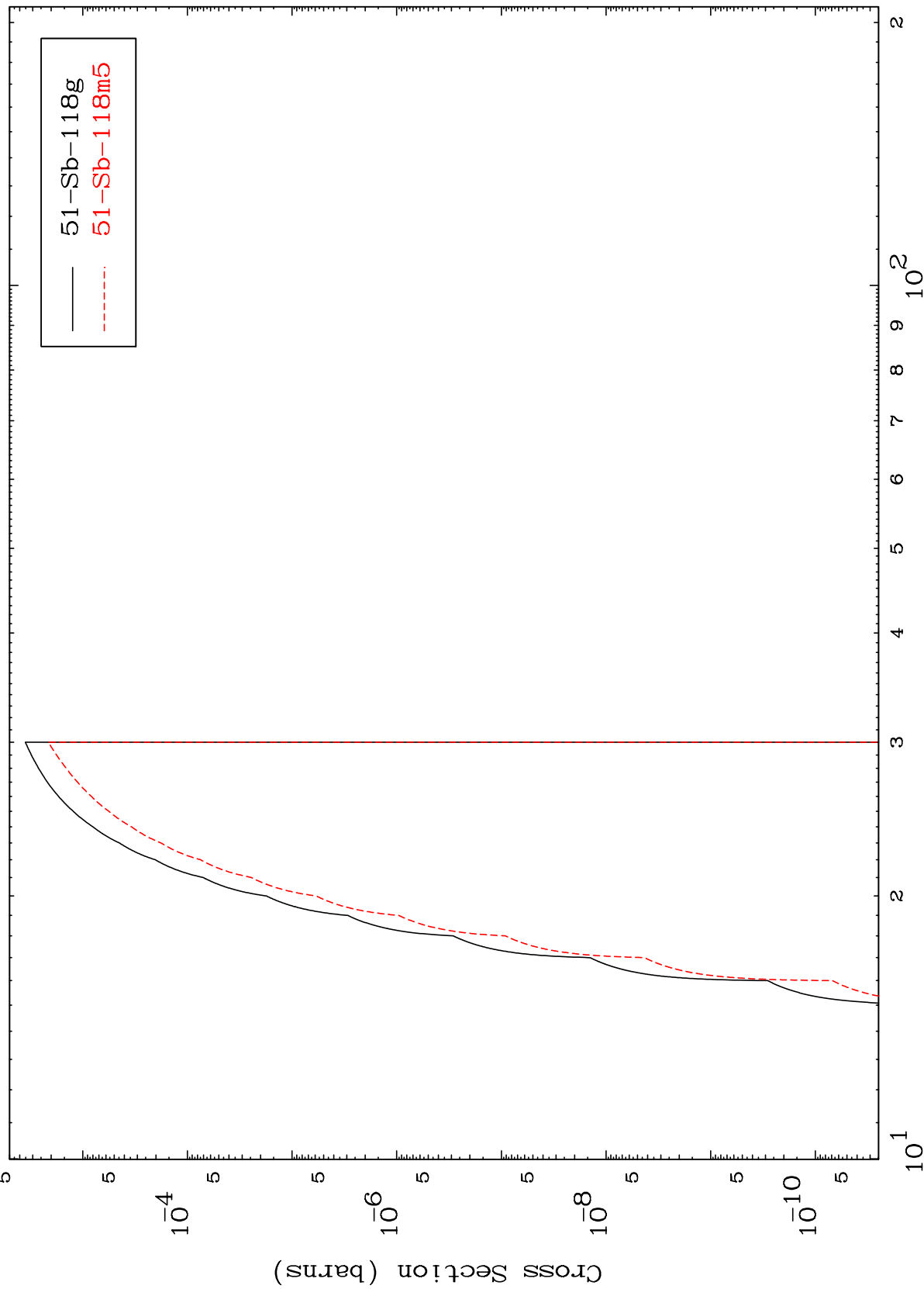


MAT 5304

(n,2n) p

53-I -120

Radionuclide Production Cross Section



122

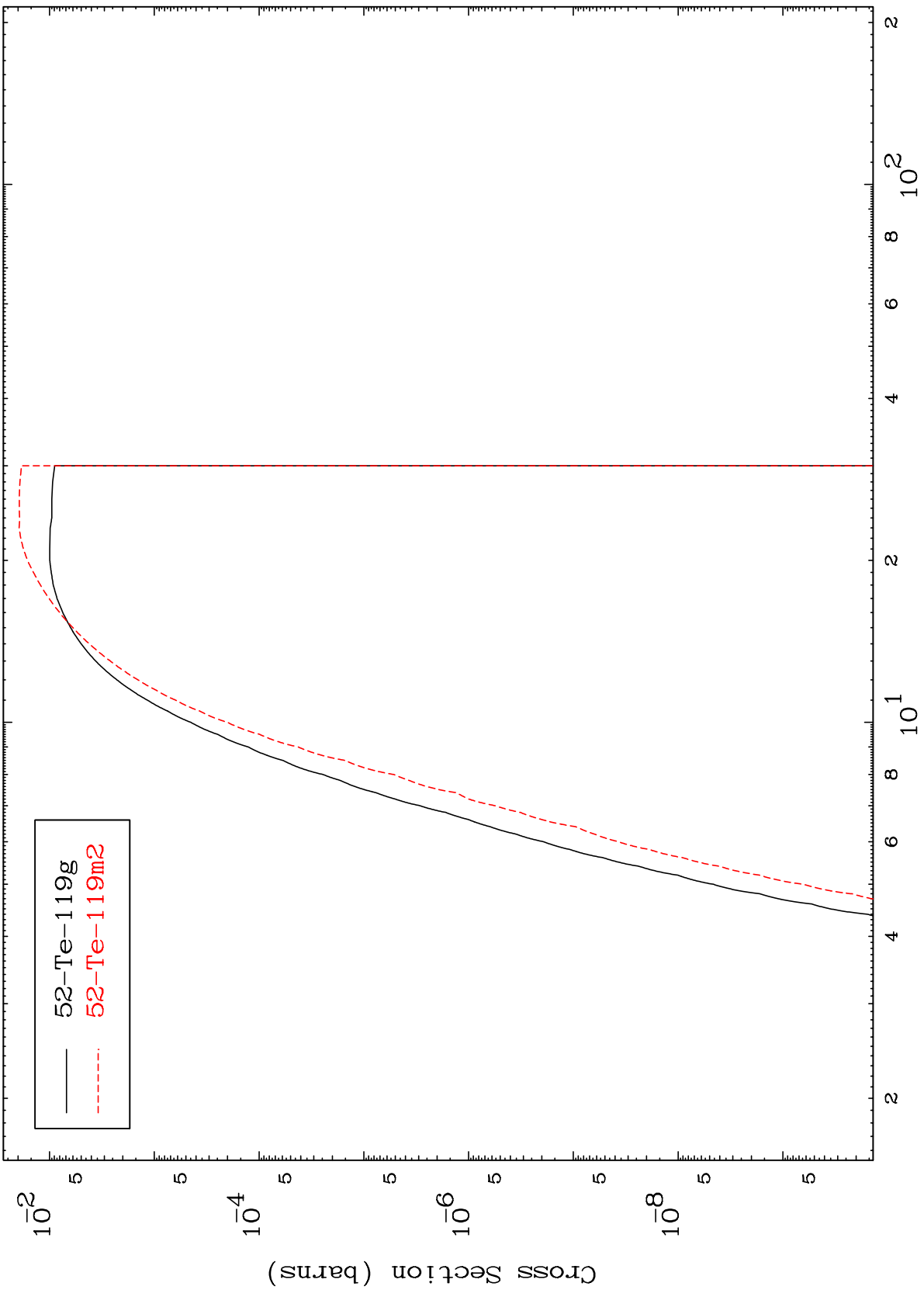
Incident Energy (MeV)

53-I -120

MAT 5304

53-I -120

(n,d)
Radionuclide Production Cross Section



123

53-I -120

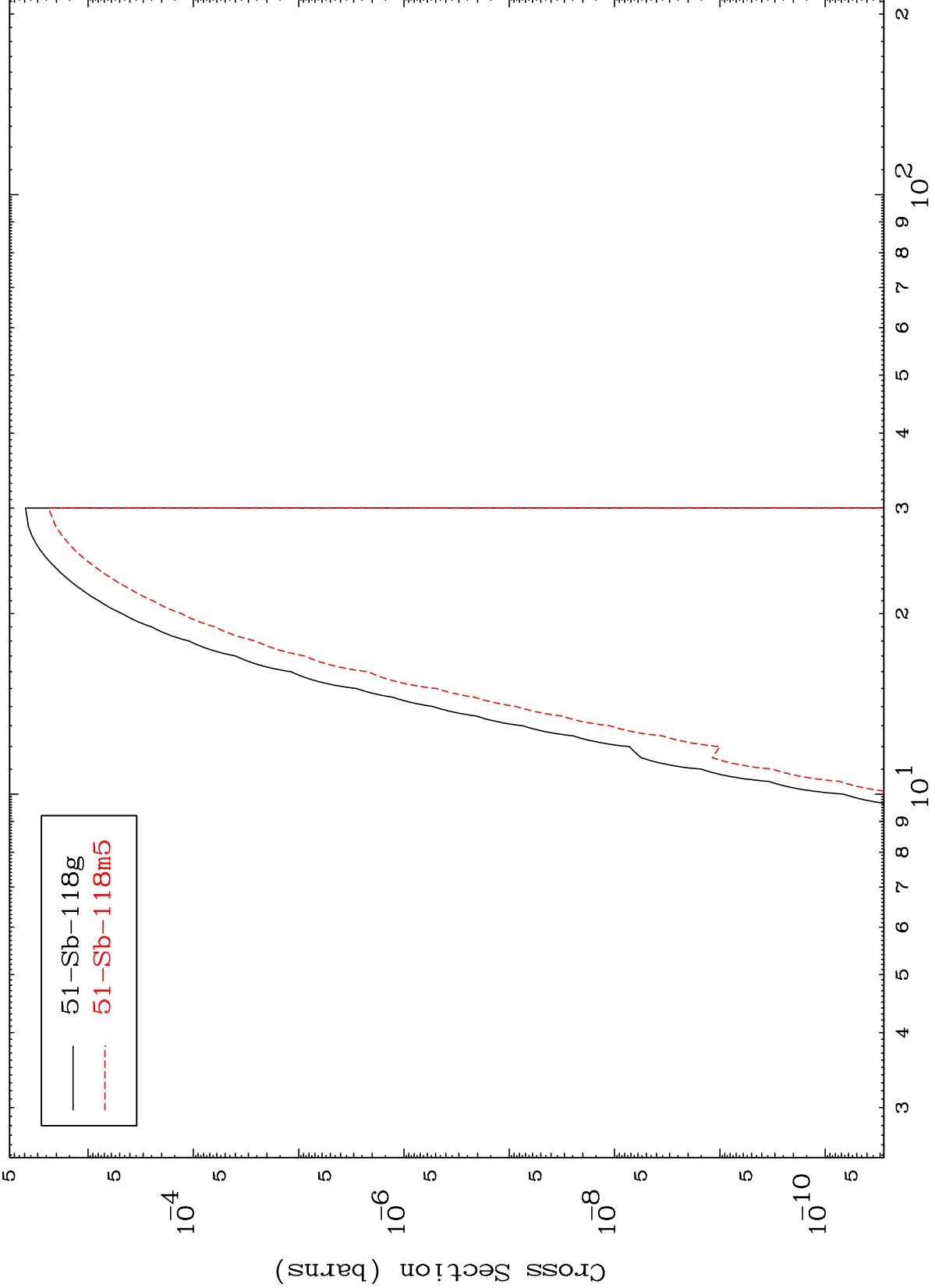
Incident Energy (MeV)

MAT 5304

(n,He-3)

53-I -120

Radionuclide Production Cross Section



— 51-Sb-118g
- - - 51-Sb-118m5

124

Incident Energy (MeV)

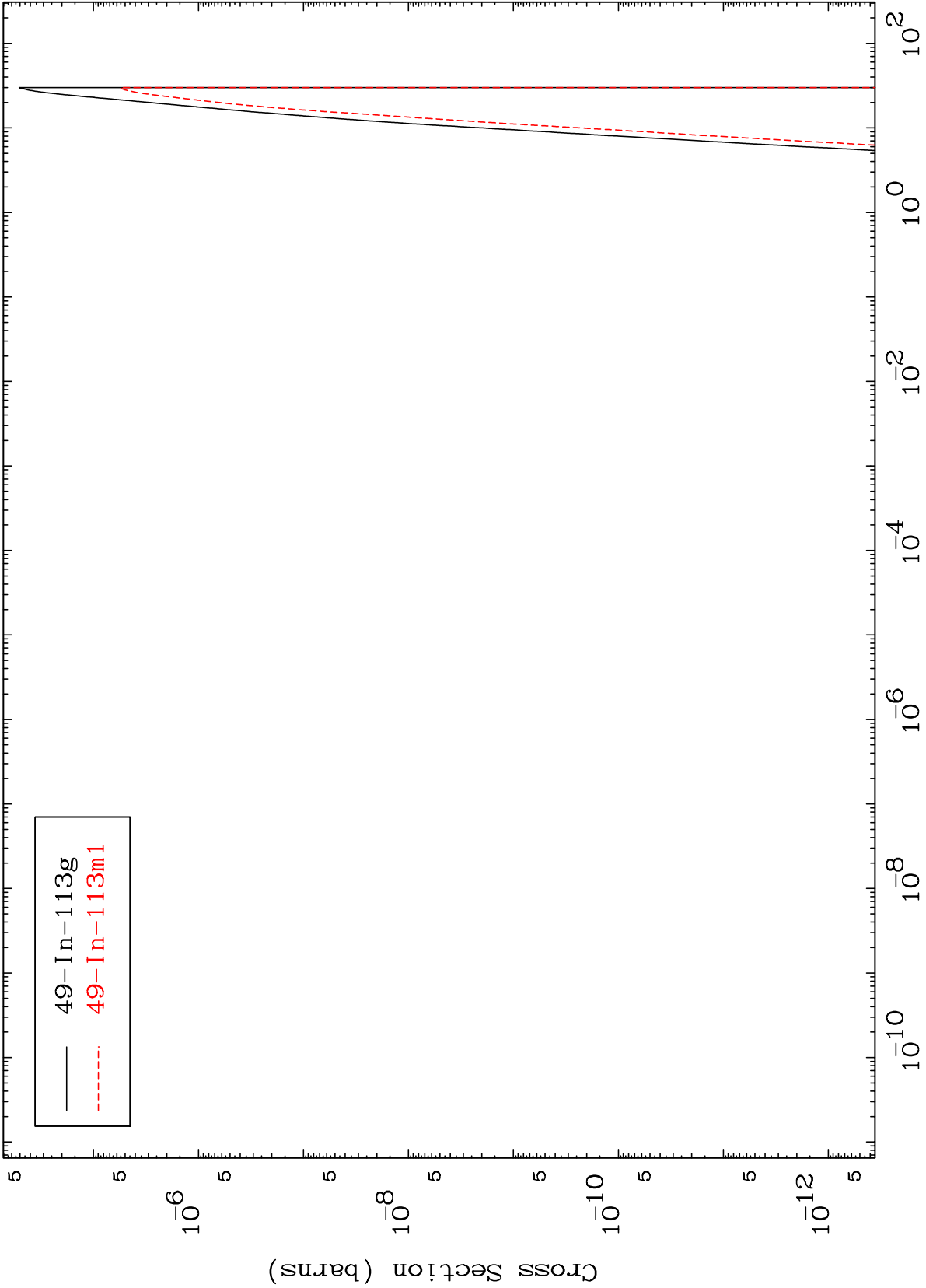
53-I -120

MAT 5304

(n,2α)

53-I -120

Radionuclide Production Cross Section

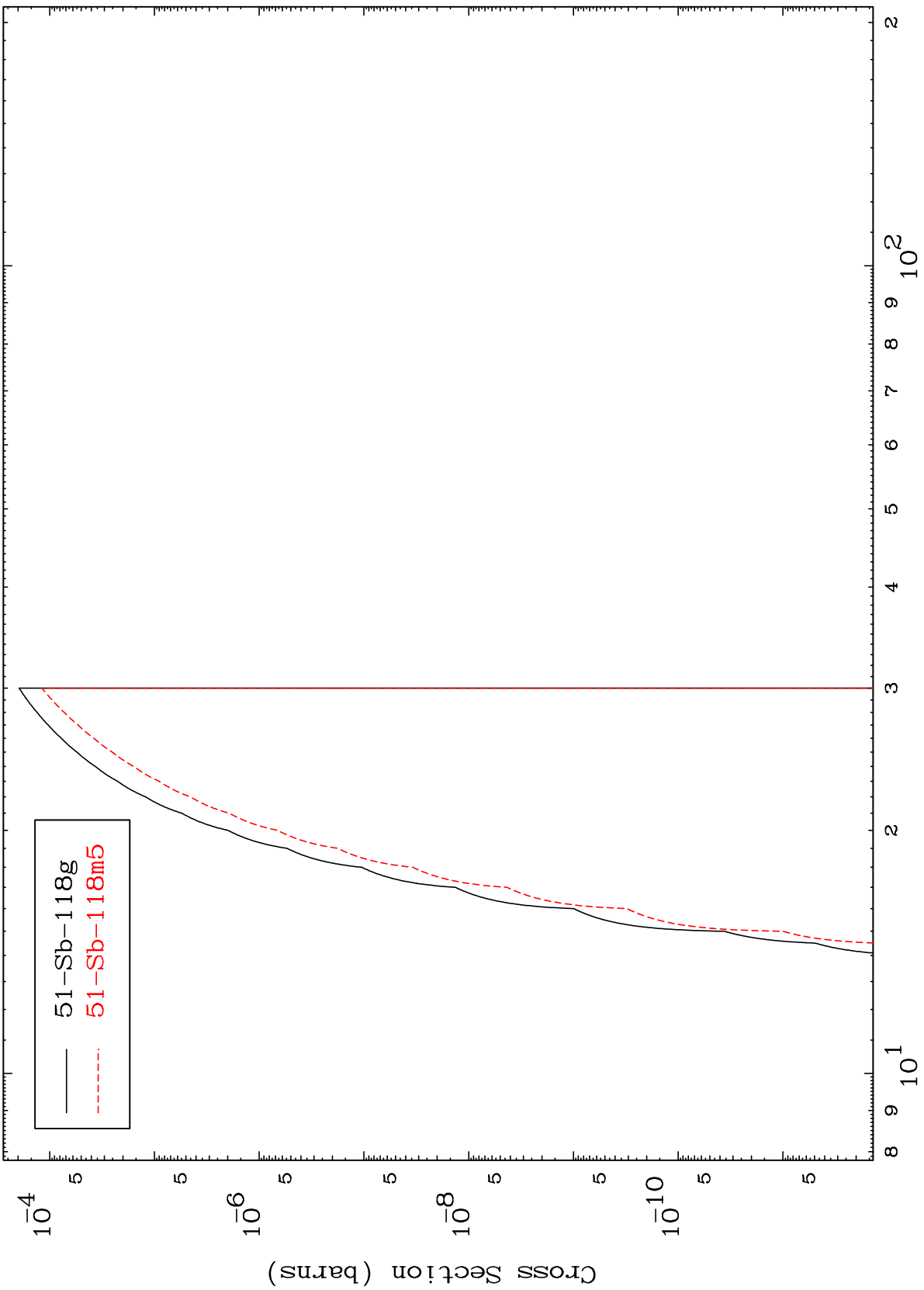


125

Incident Energy (MeV)

53-I -120

Radionuclide Production Cross Section



51-Sb-118g
51-Sb-118m5