

Program EVALPLOT  
(Version 2021-1)

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

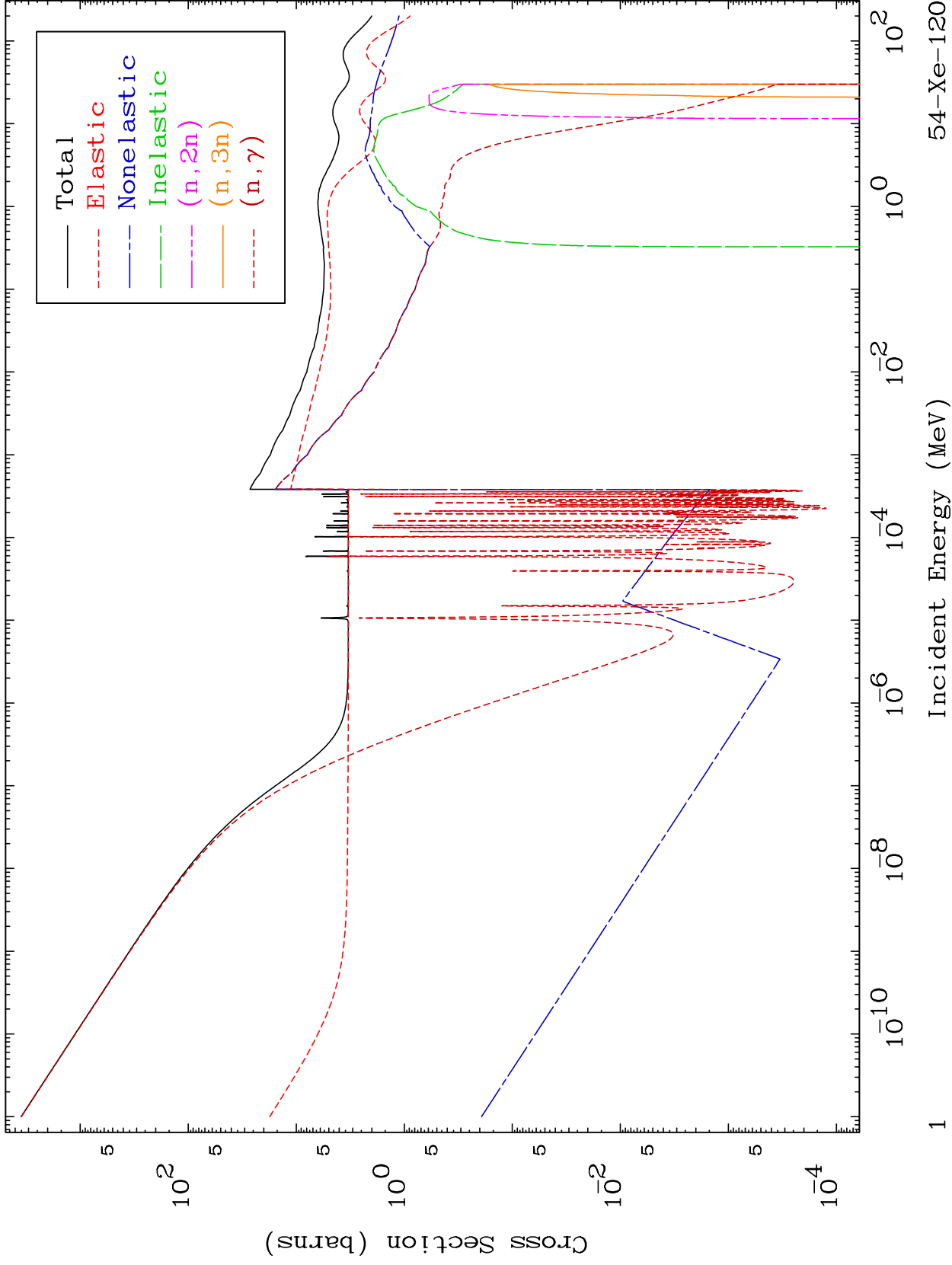
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5413

Neutron Major  
293 Kelvin Cross Sections

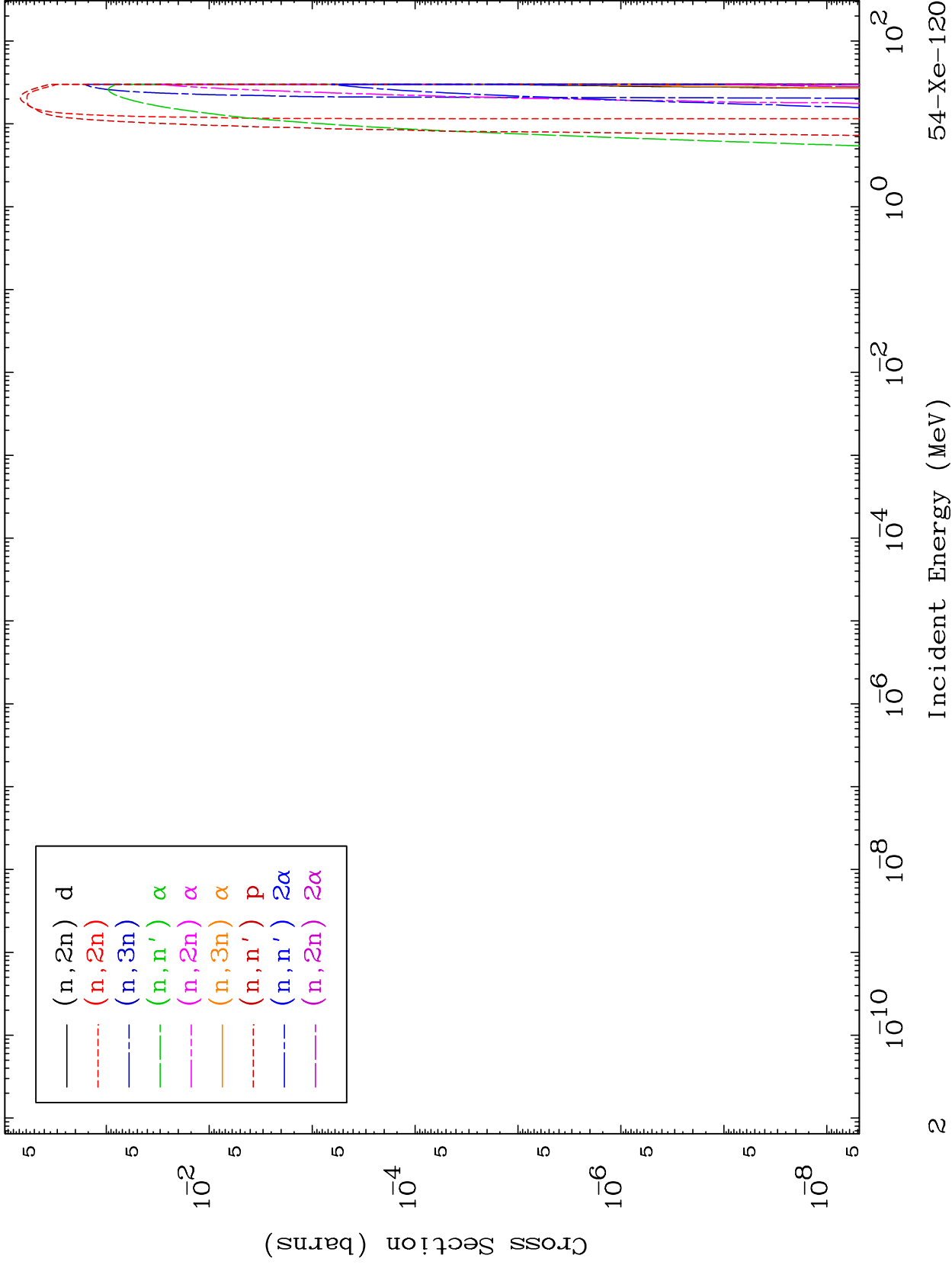
54-Xe-120

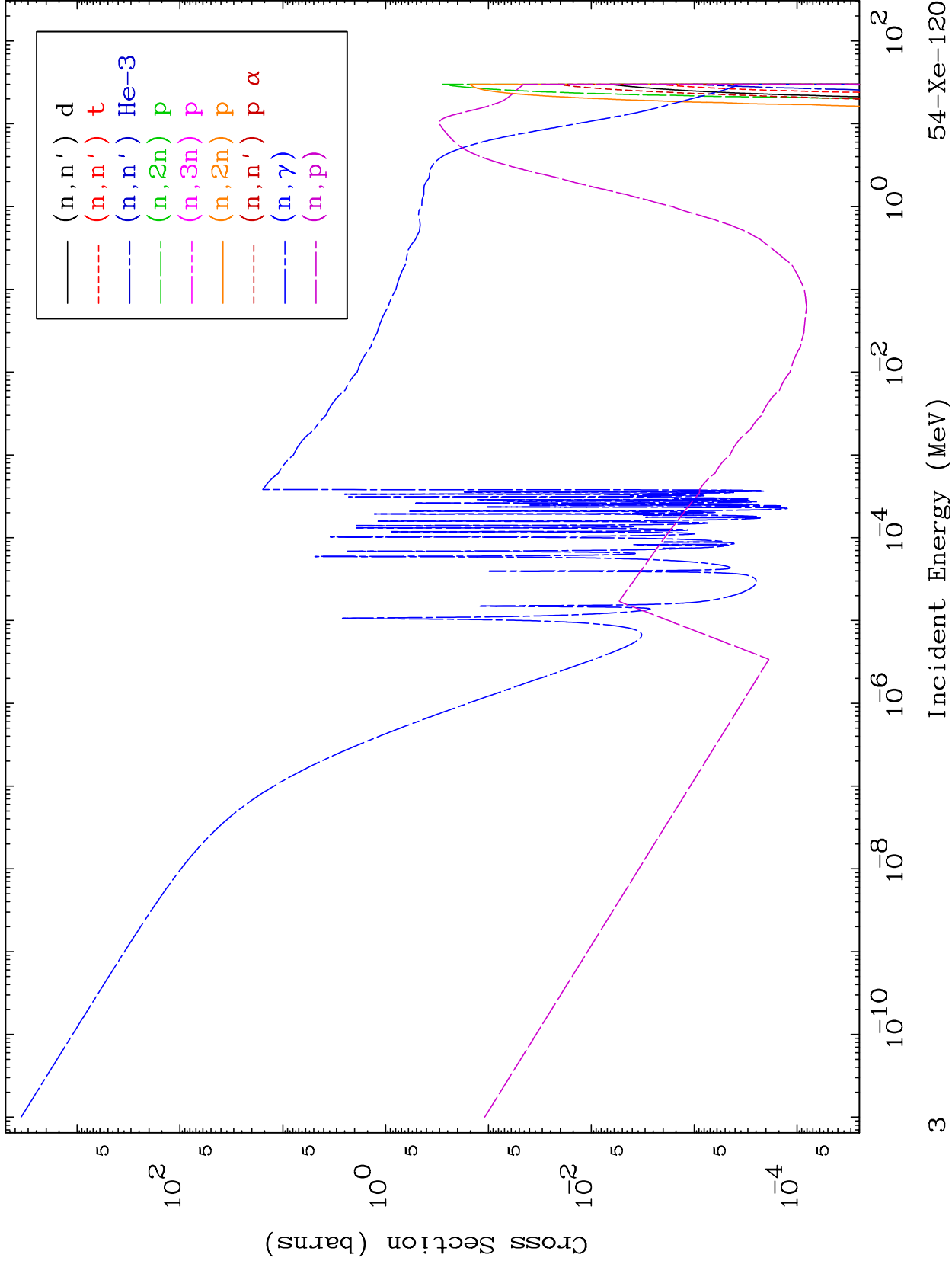


MAT 5413

Neutron Absorption  
293 Kelvin Cross Sections

54-Xe-120

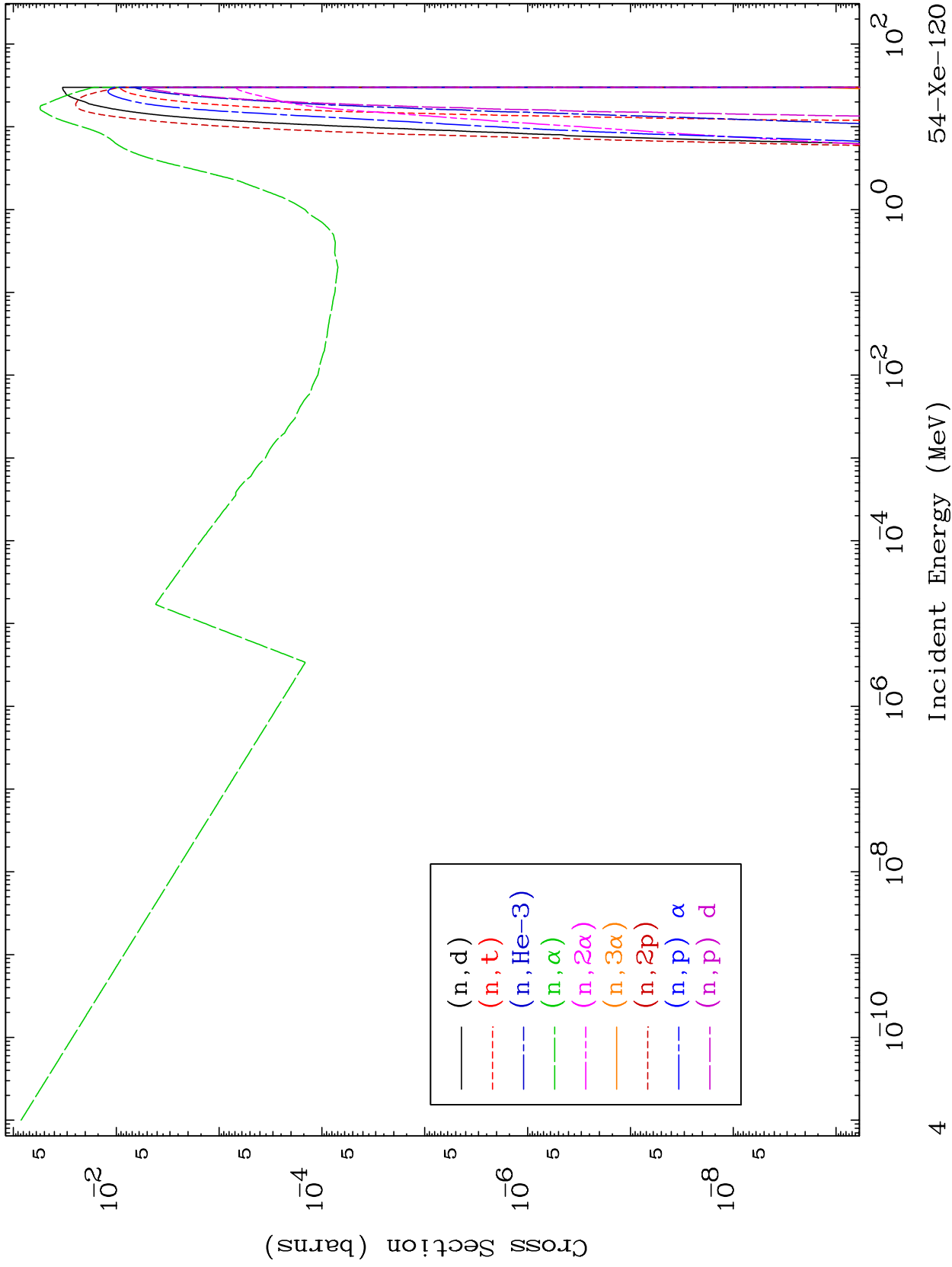


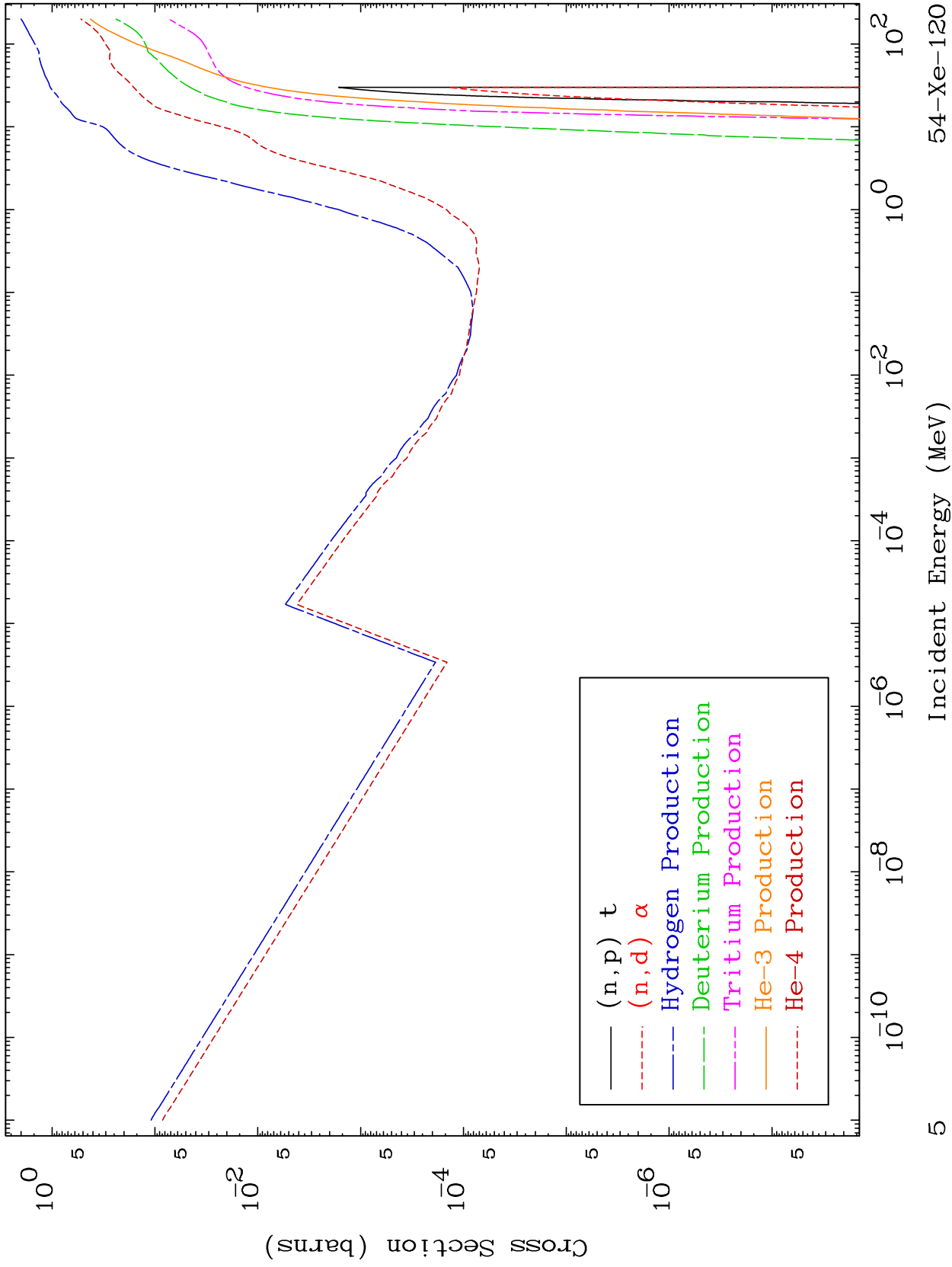


MAT 5413

Neutron Absorption  
293 Kelvin Cross Sections

54-Xe-120

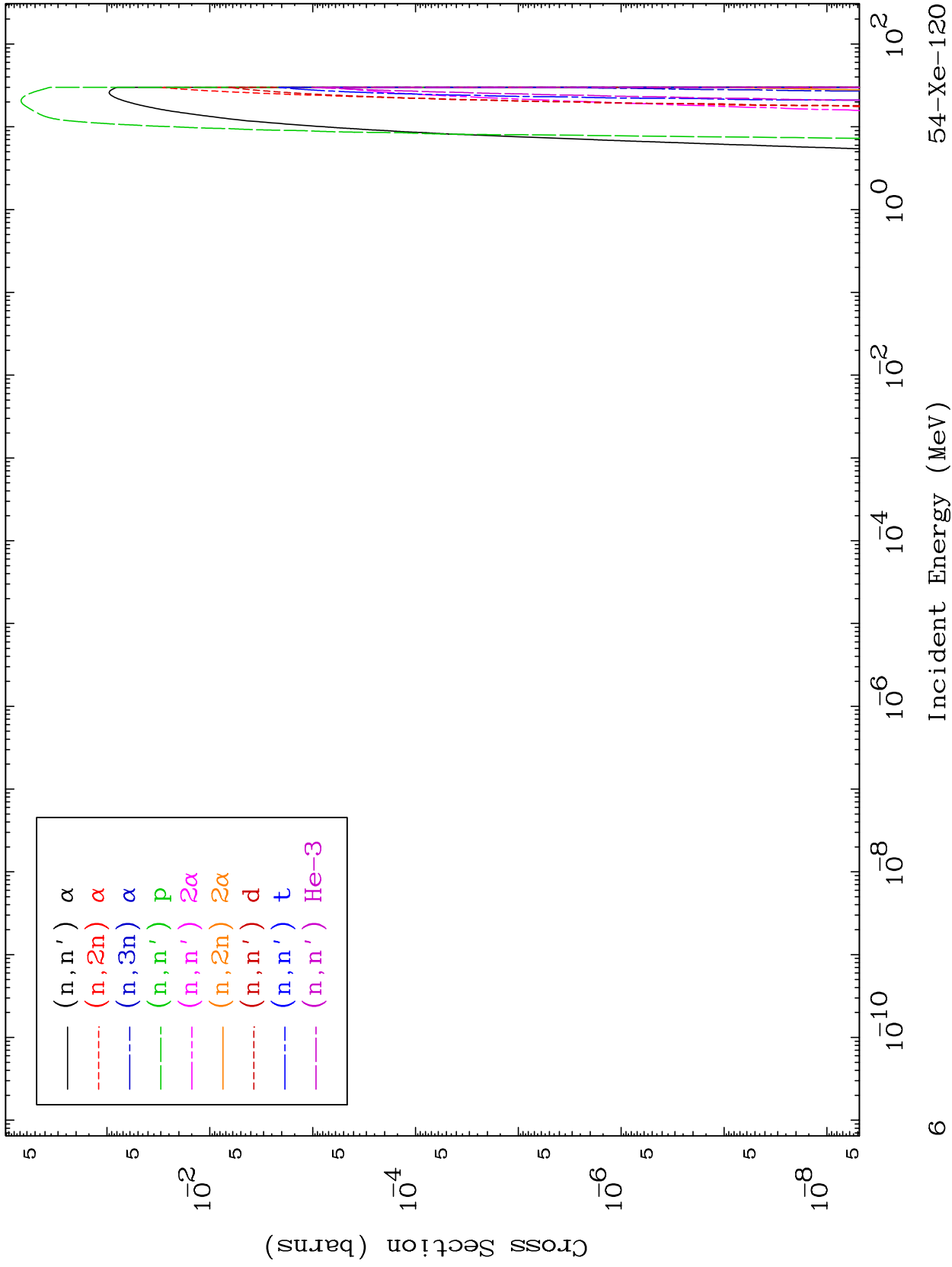




MAT 5413

Charged Particle  
293 Kelvin Cross Sections

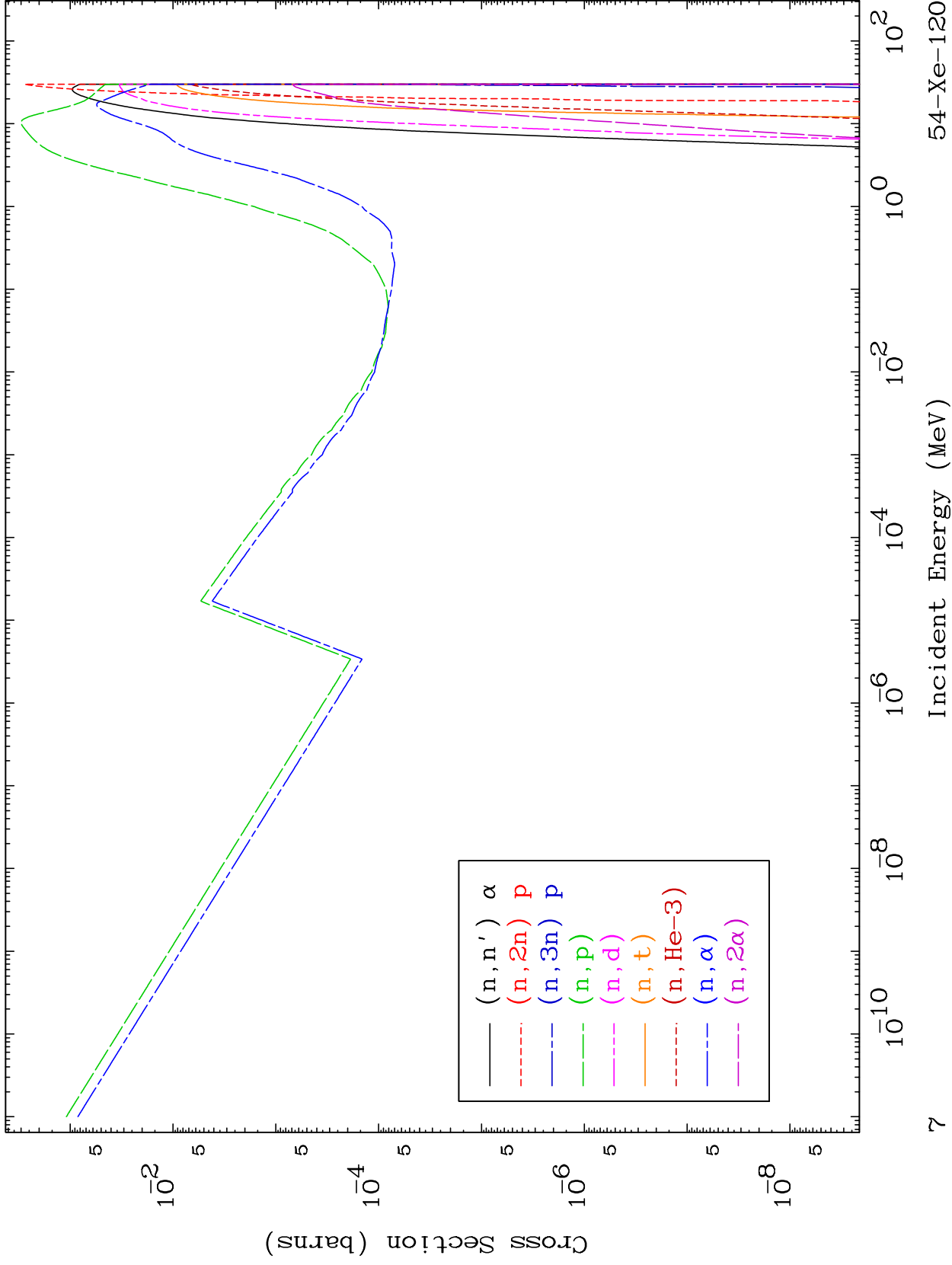
54-Xe-120



MAT 5413

Charged Particle  
293 Kelvin Cross Sections

54-Xe-120

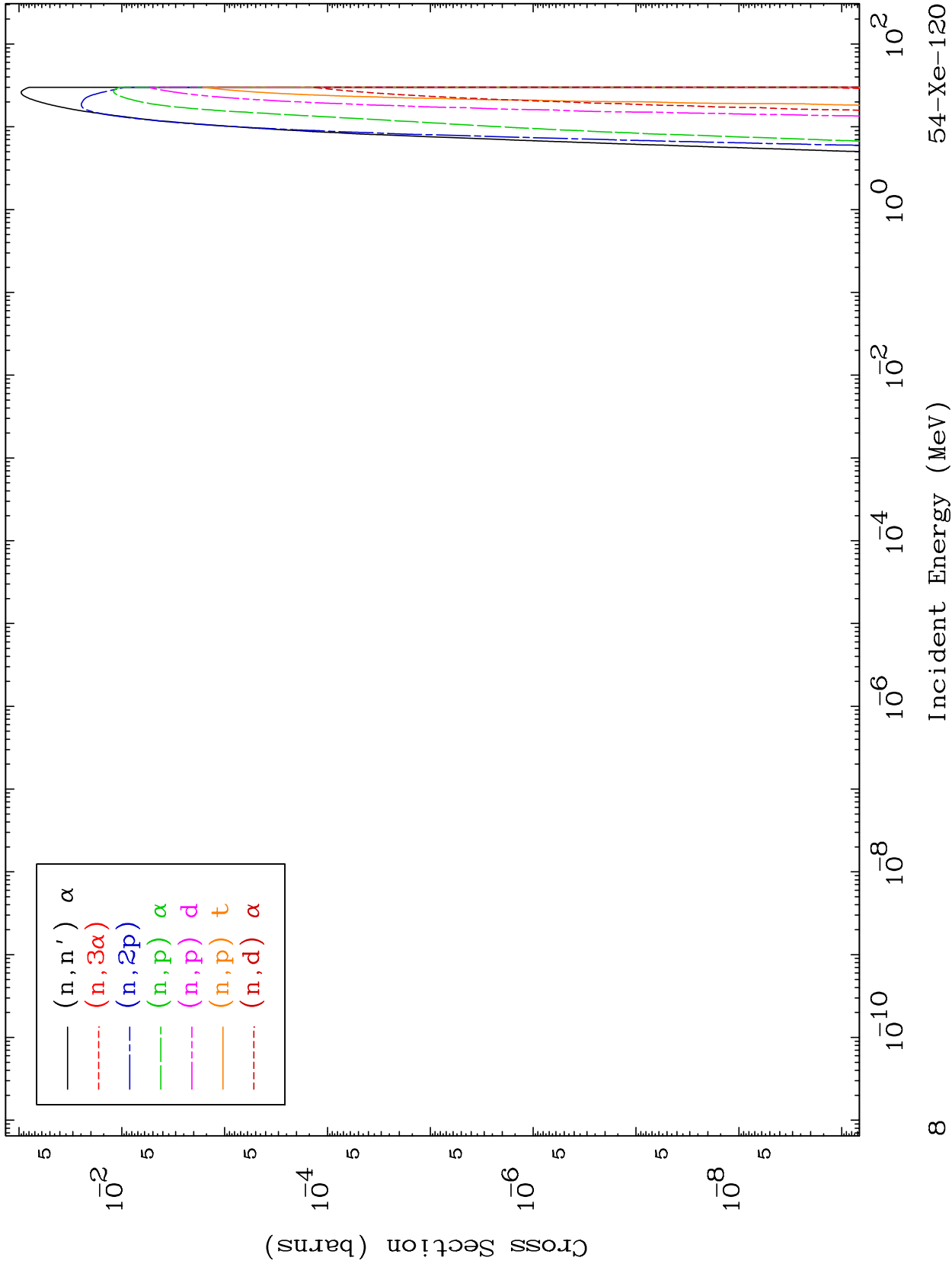




MAT 5413

Charged Particle  
293 Kelvin Cross Sections

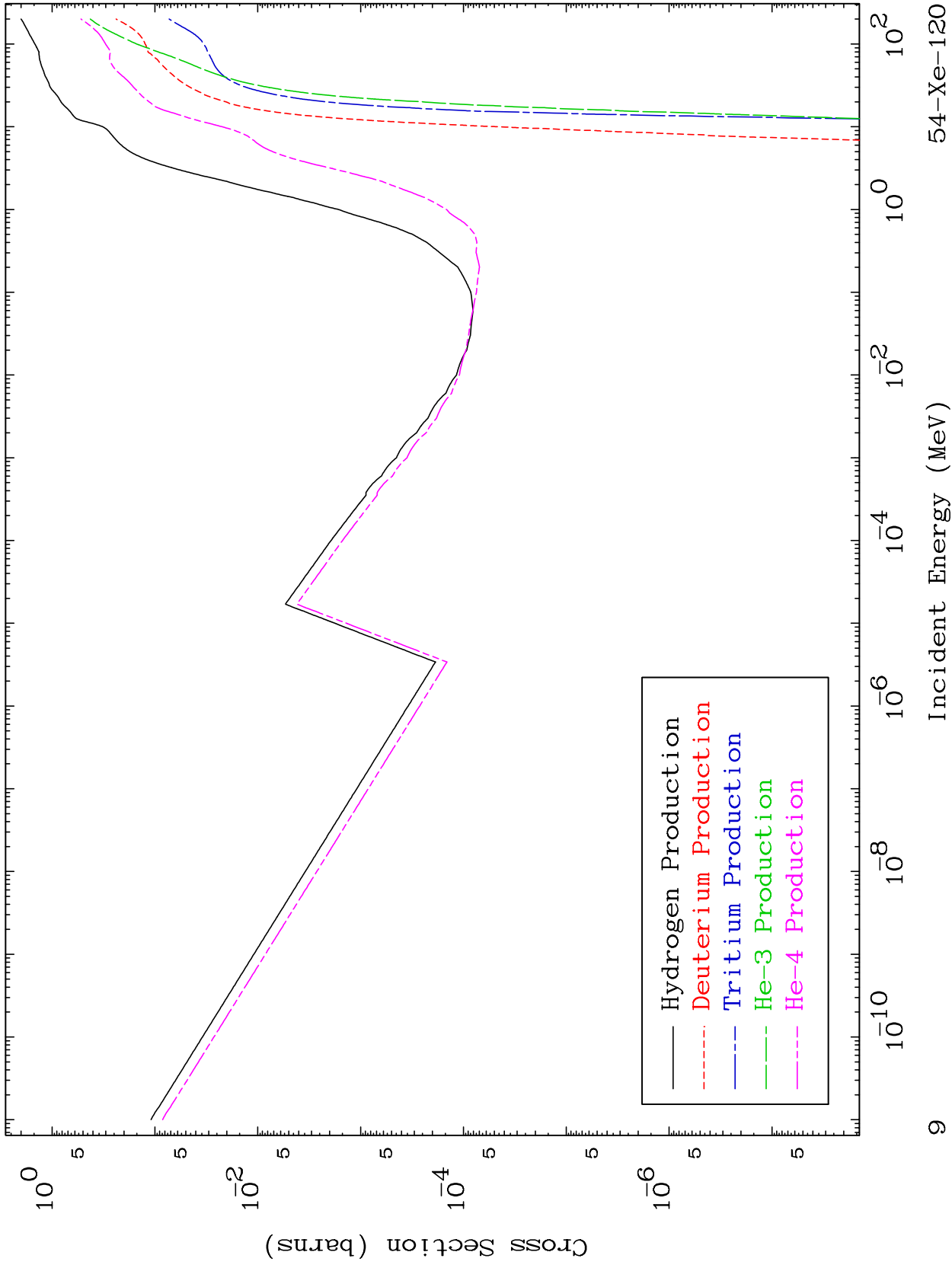
54-Xe-120



MAT 5413

Particle Production  
293 Kelvin Cross Sections

54-Xe-120

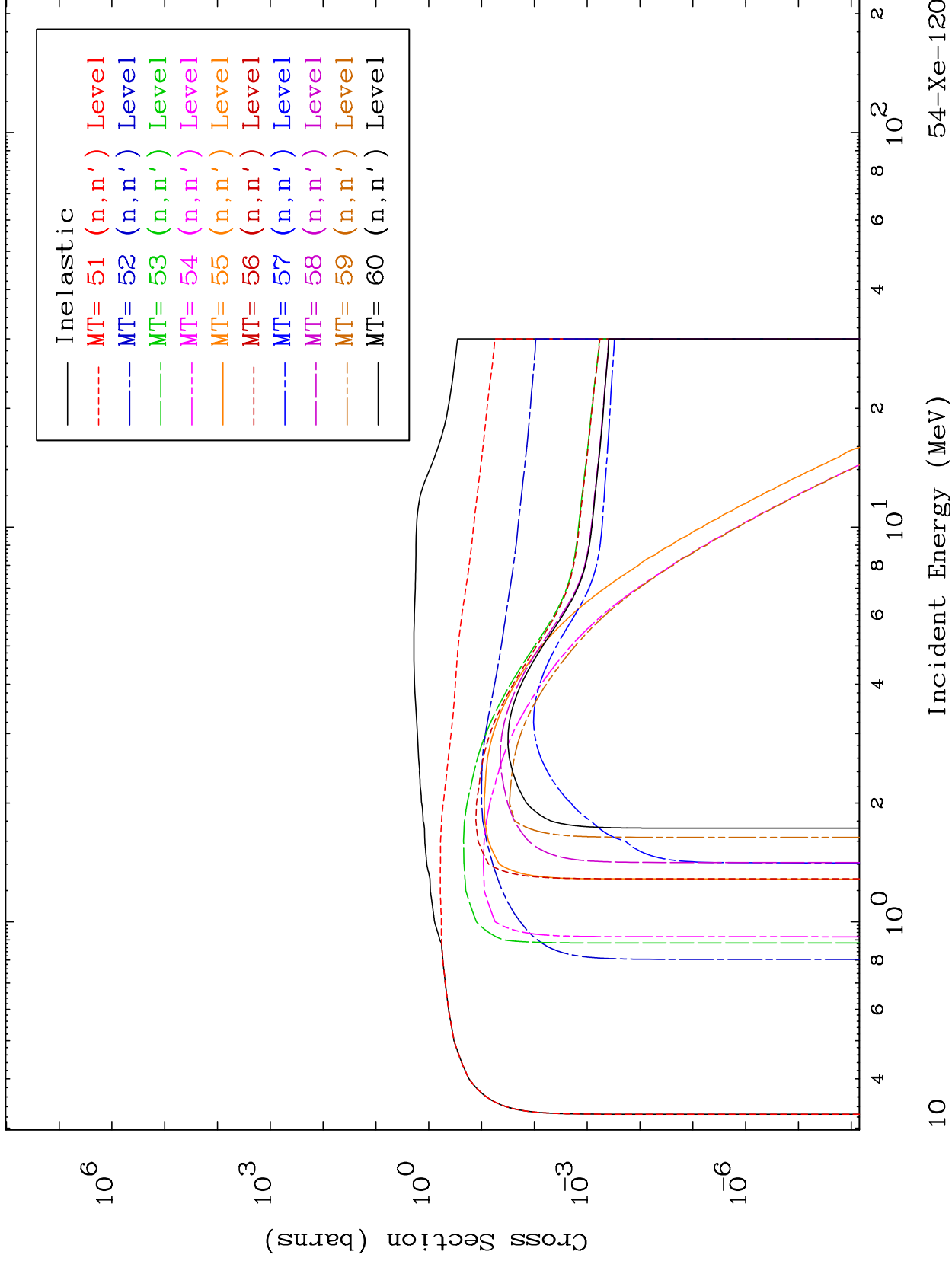


MAT 5413

(n,n') Levels

54-Xe-120

293 Kelvin Cross Sections

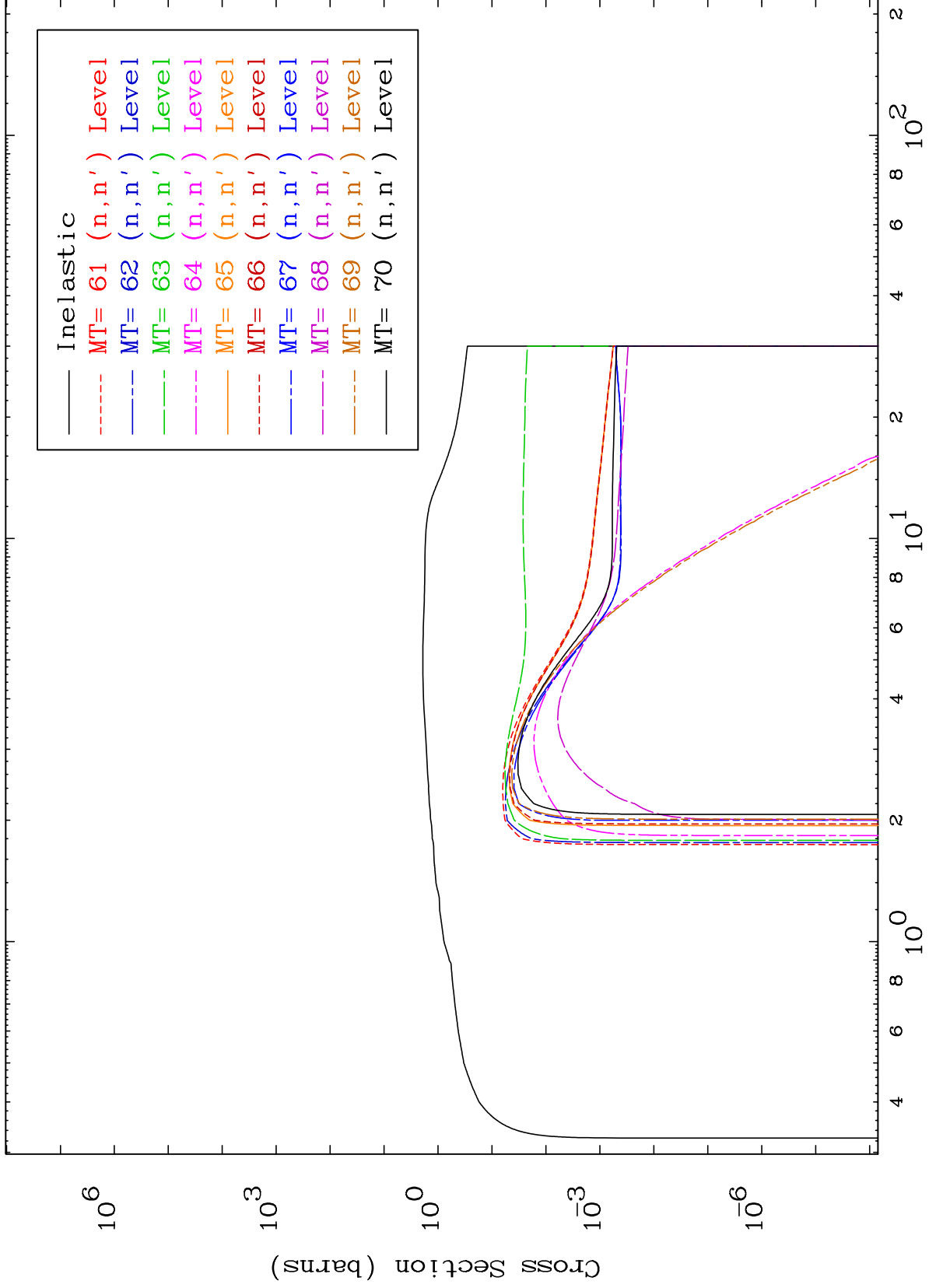


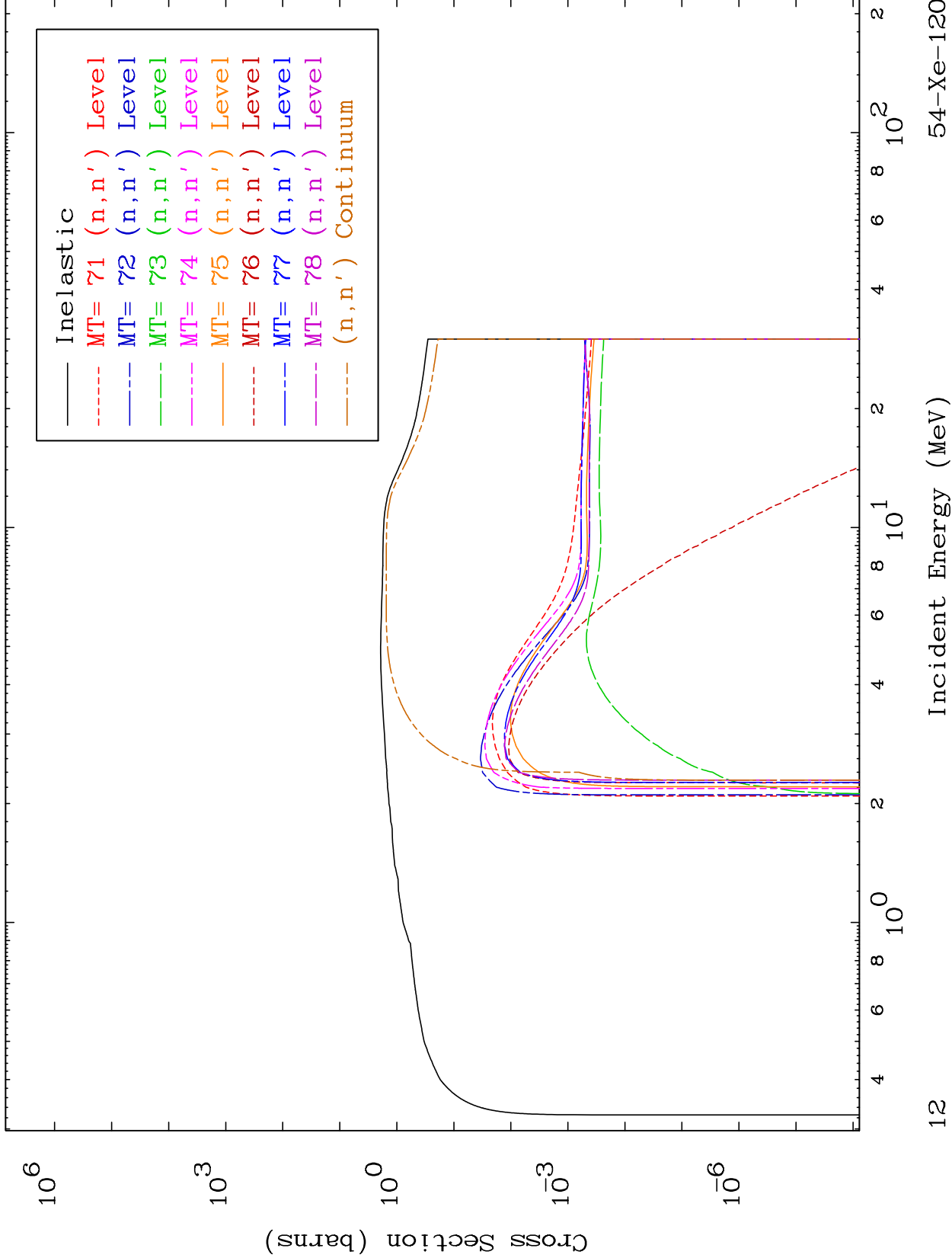
10

Incident Energy (MeV)

54-Xe-120

293 Kelvin Cross Sections

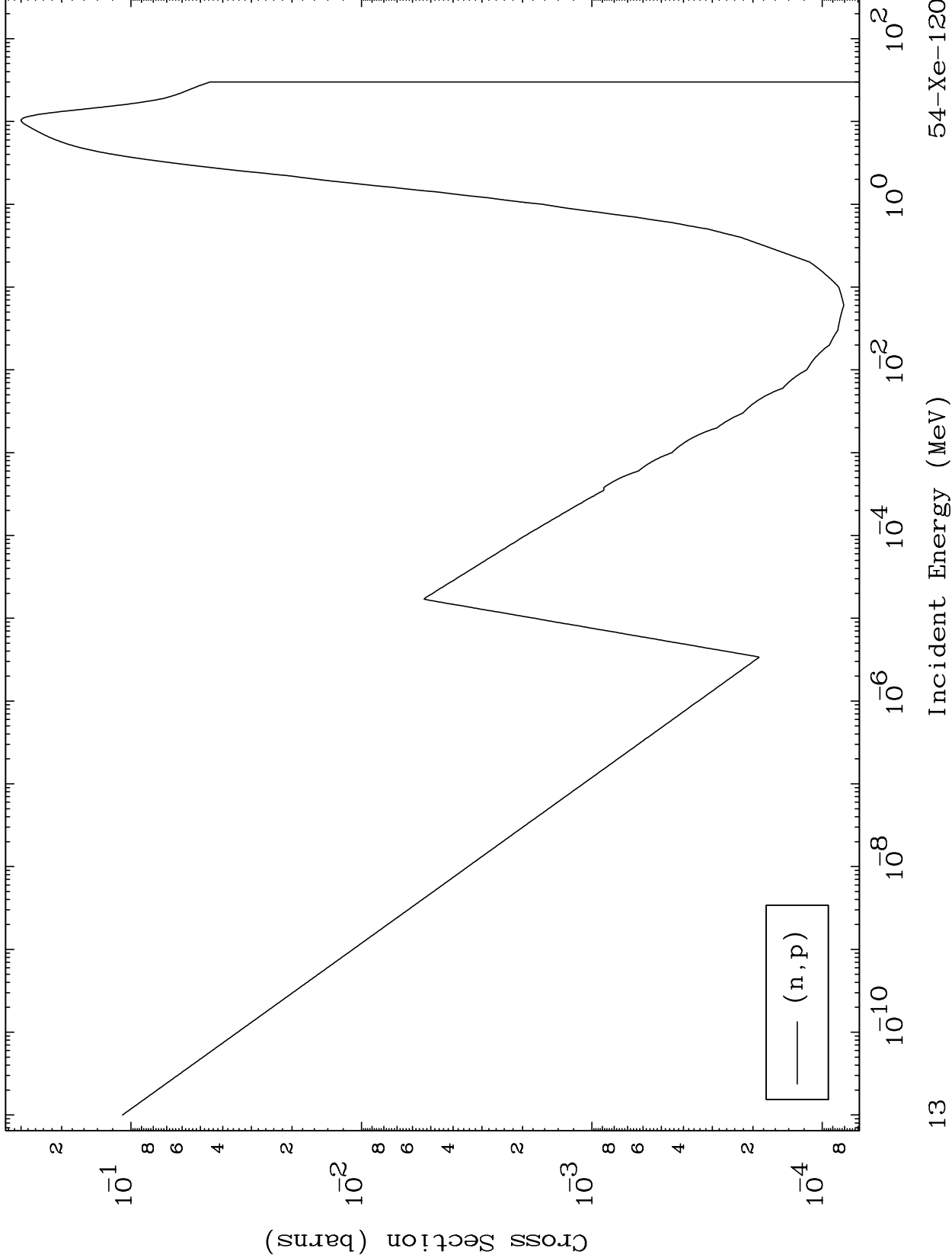




MAT 5413

(n,p) Levels  
293 Kelvin Cross Sections

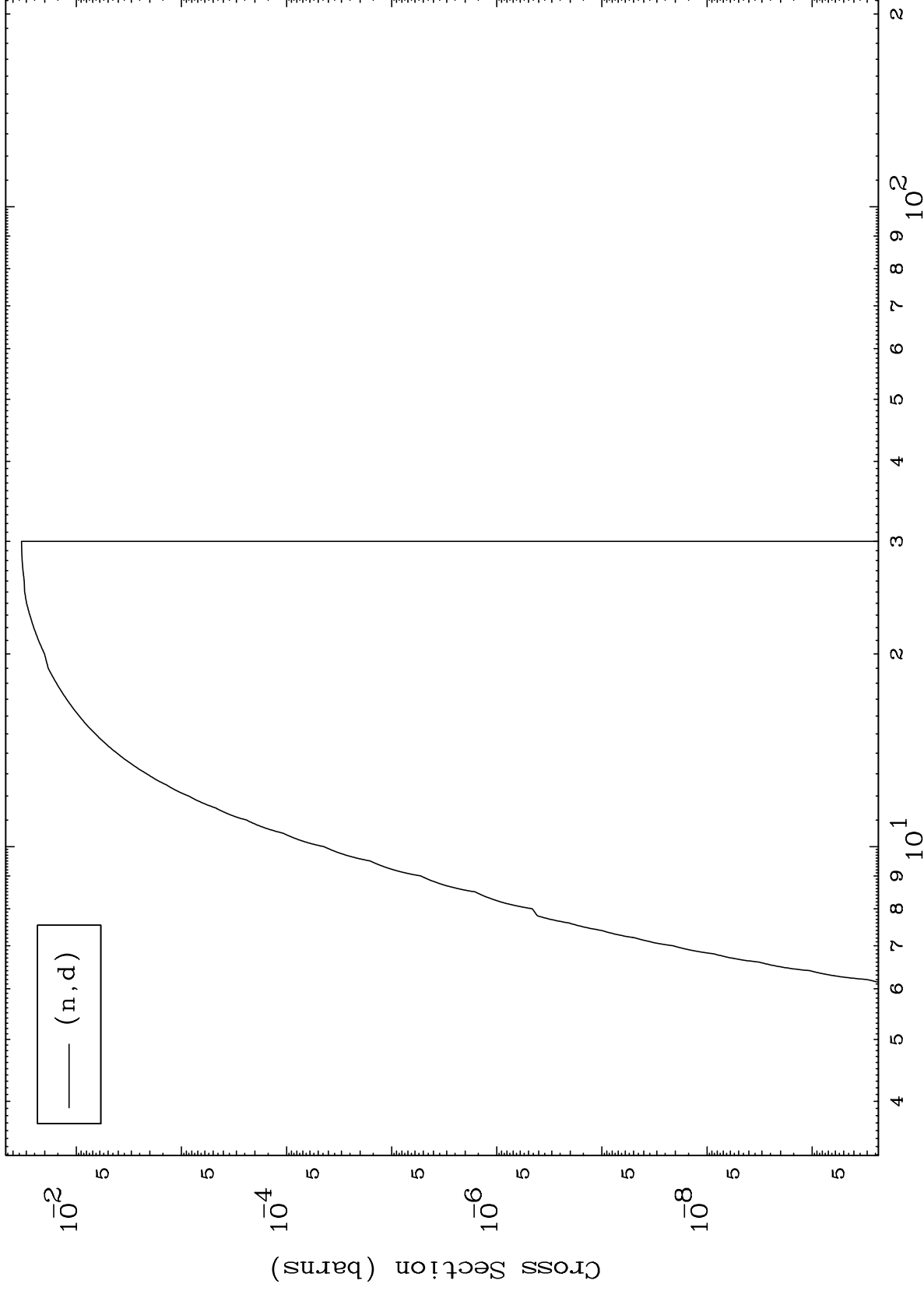
54-Xe-120



MAT 5413

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-120



14

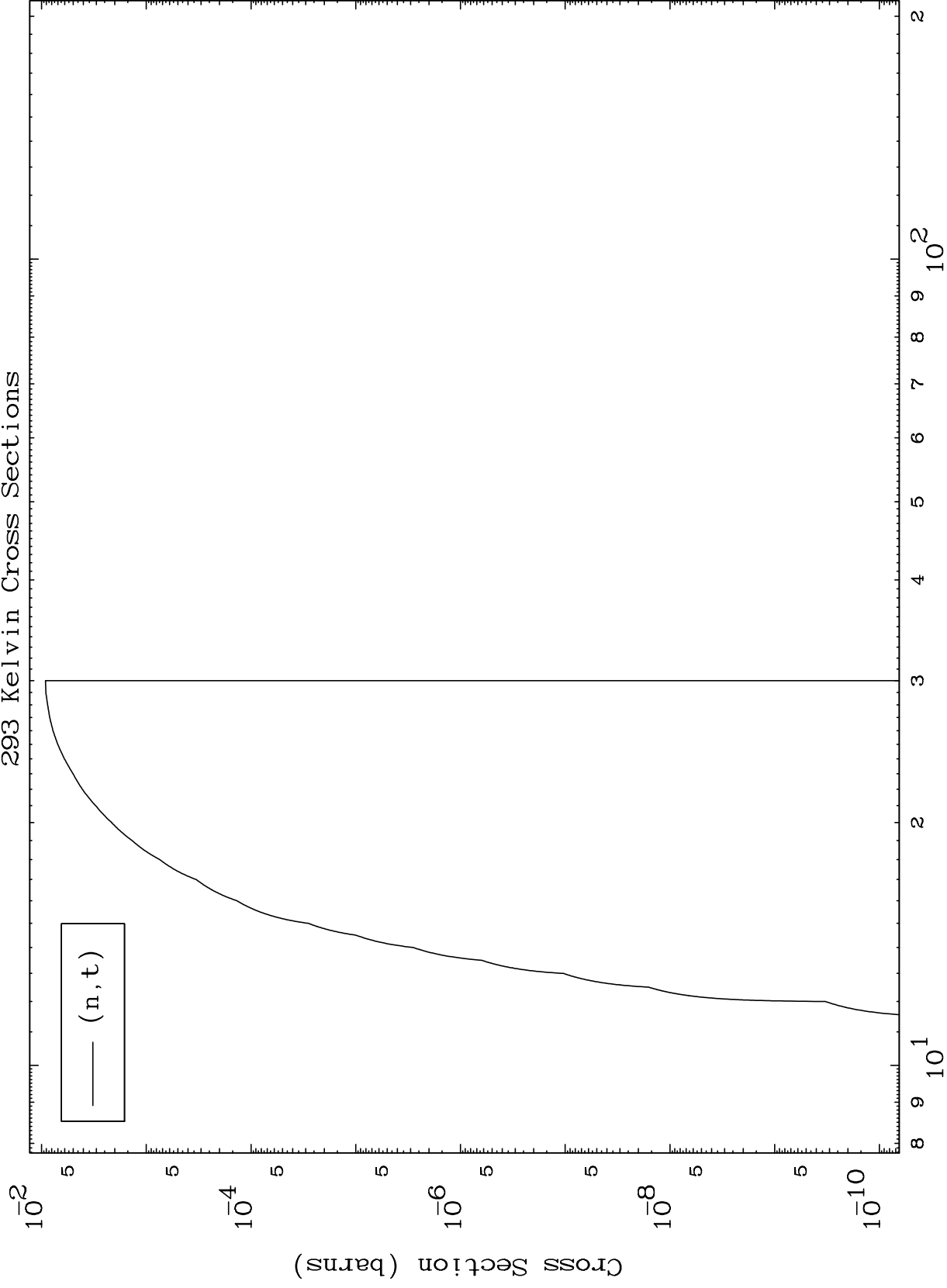
Incident Energy (MeV)

54-Xe-120

MAT 5413

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-120



15

54-Xe-120

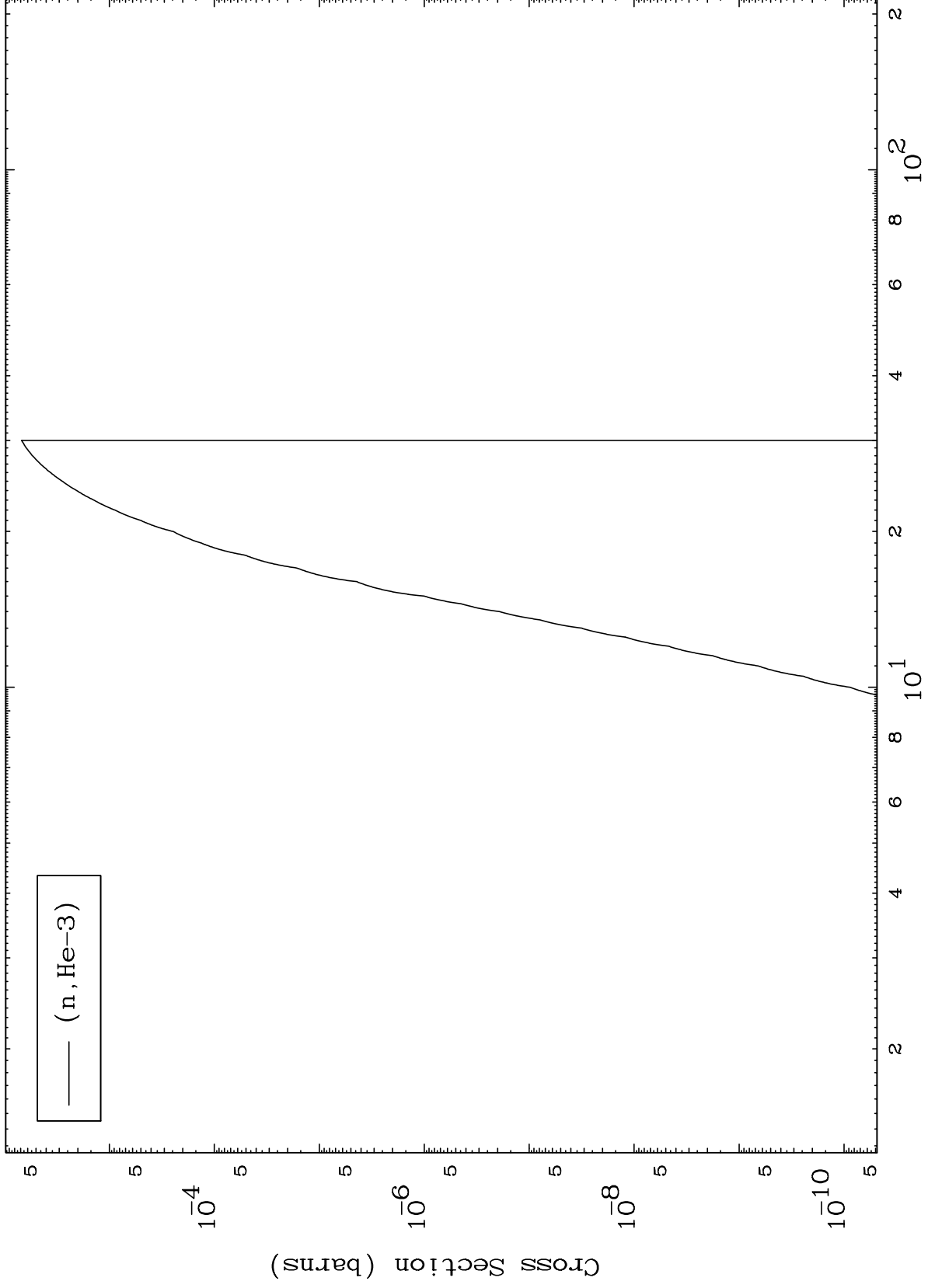
54-Xe-120



MAT 5413

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-120



16

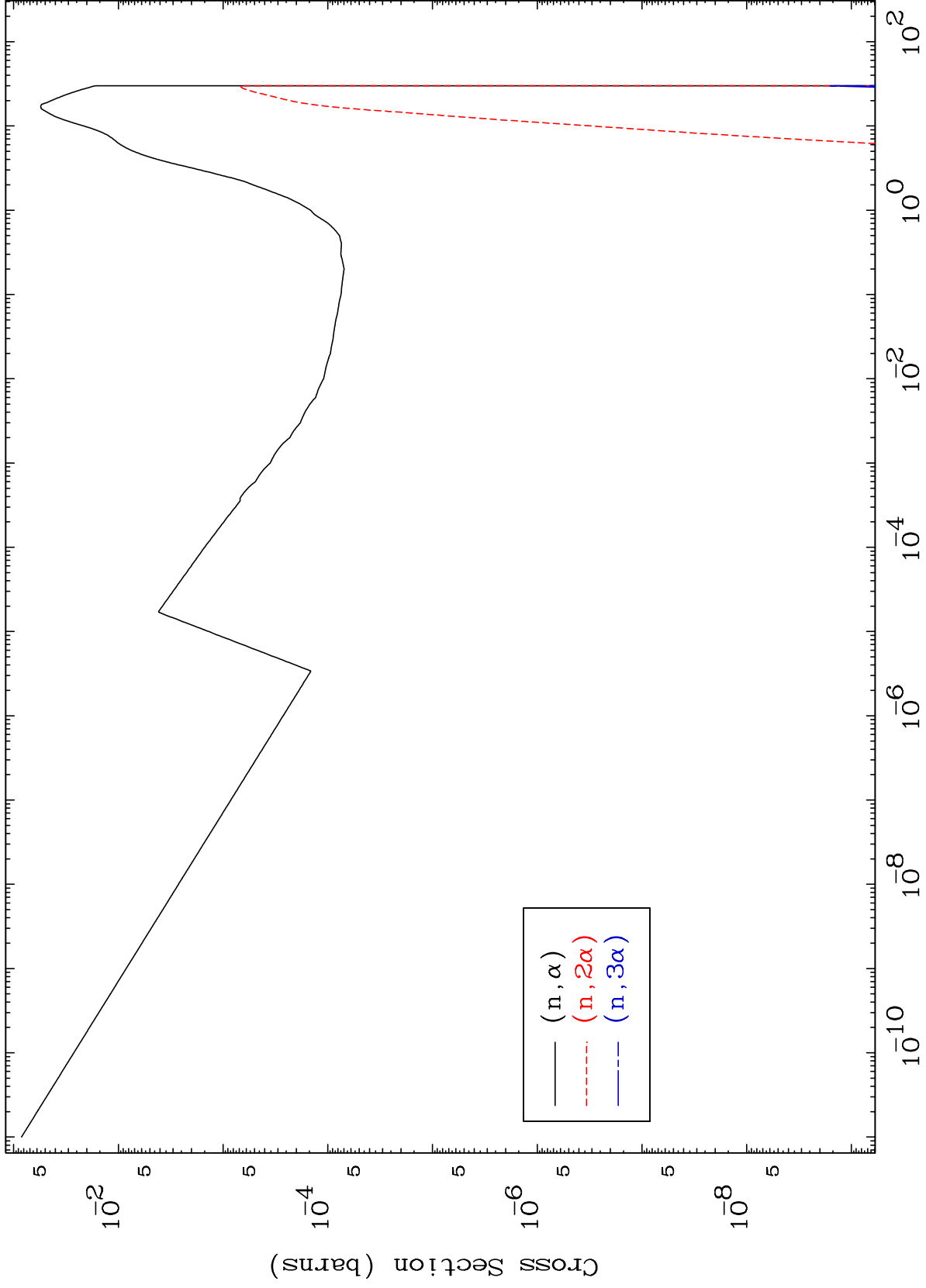
Incident Energy (MeV)

54-Xe-120

MAT 5413

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

54-Xe-120



17

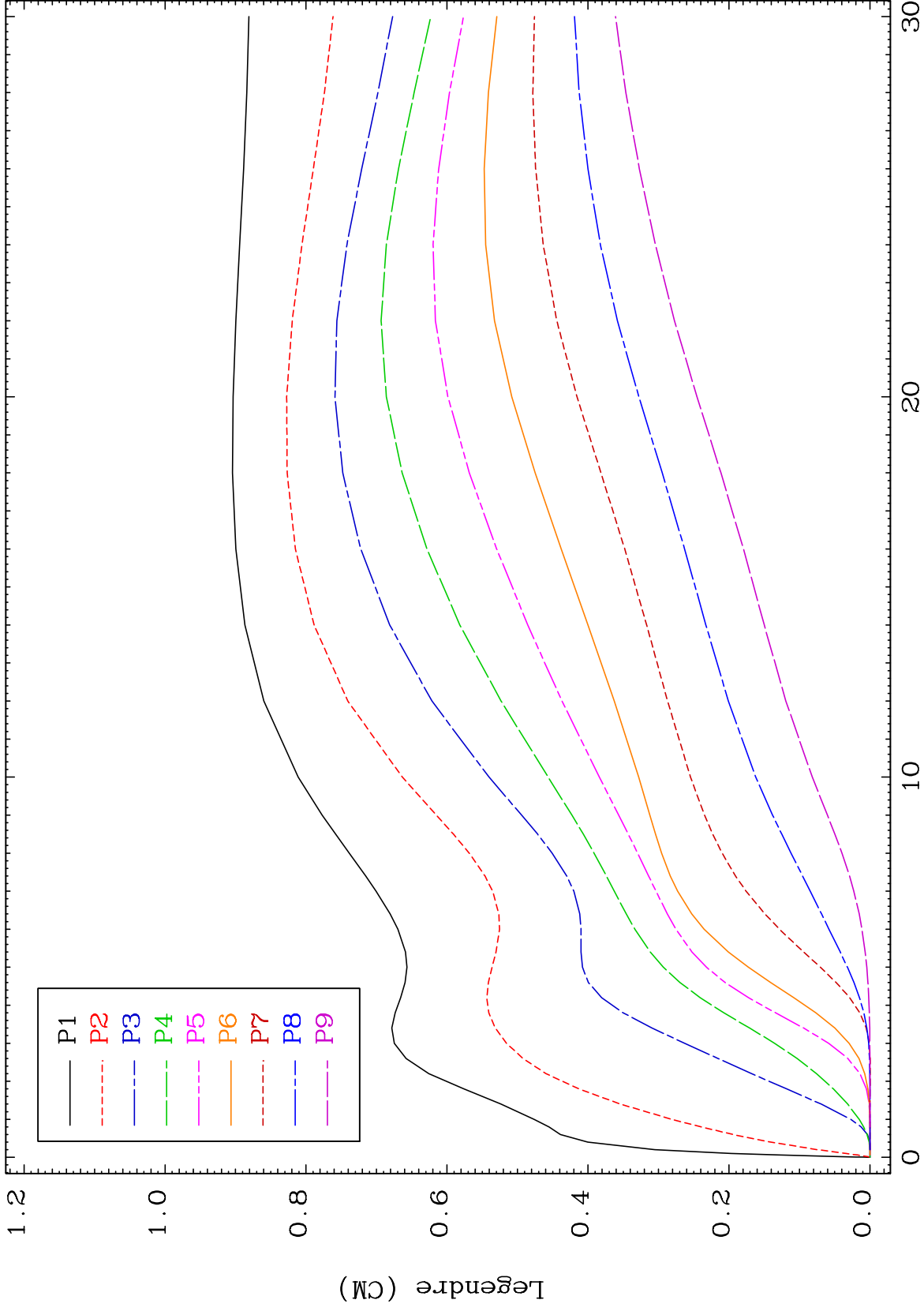
Incident Energy (MeV)

54-Xe-120

MAT 5413

Elastic Legendre Coefficients

54-Xe-120



18

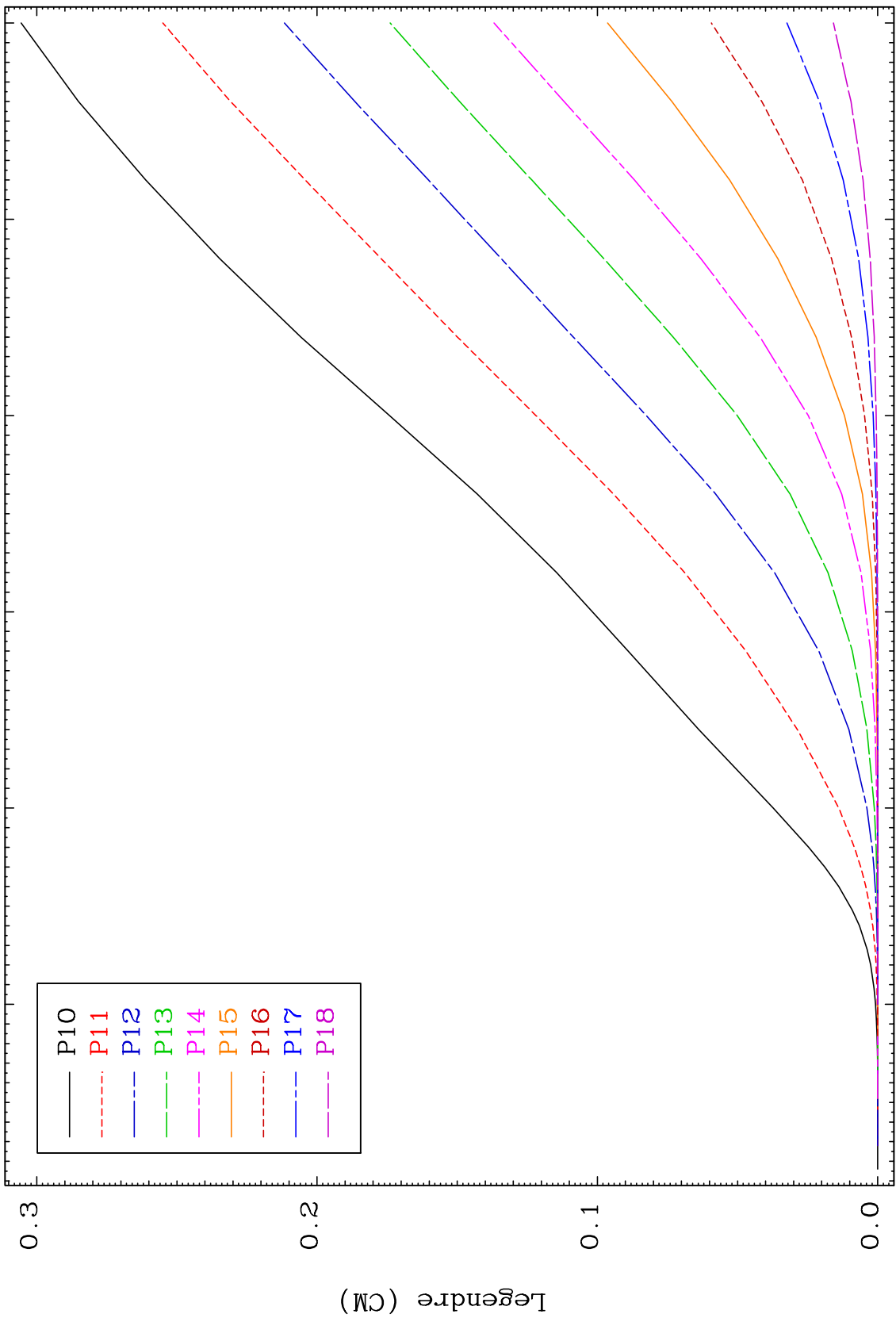
Incident Energy (MeV)

54-Xe-120

MAT 5413

Elastic Legendre Coefficients

54-Xe-120



19

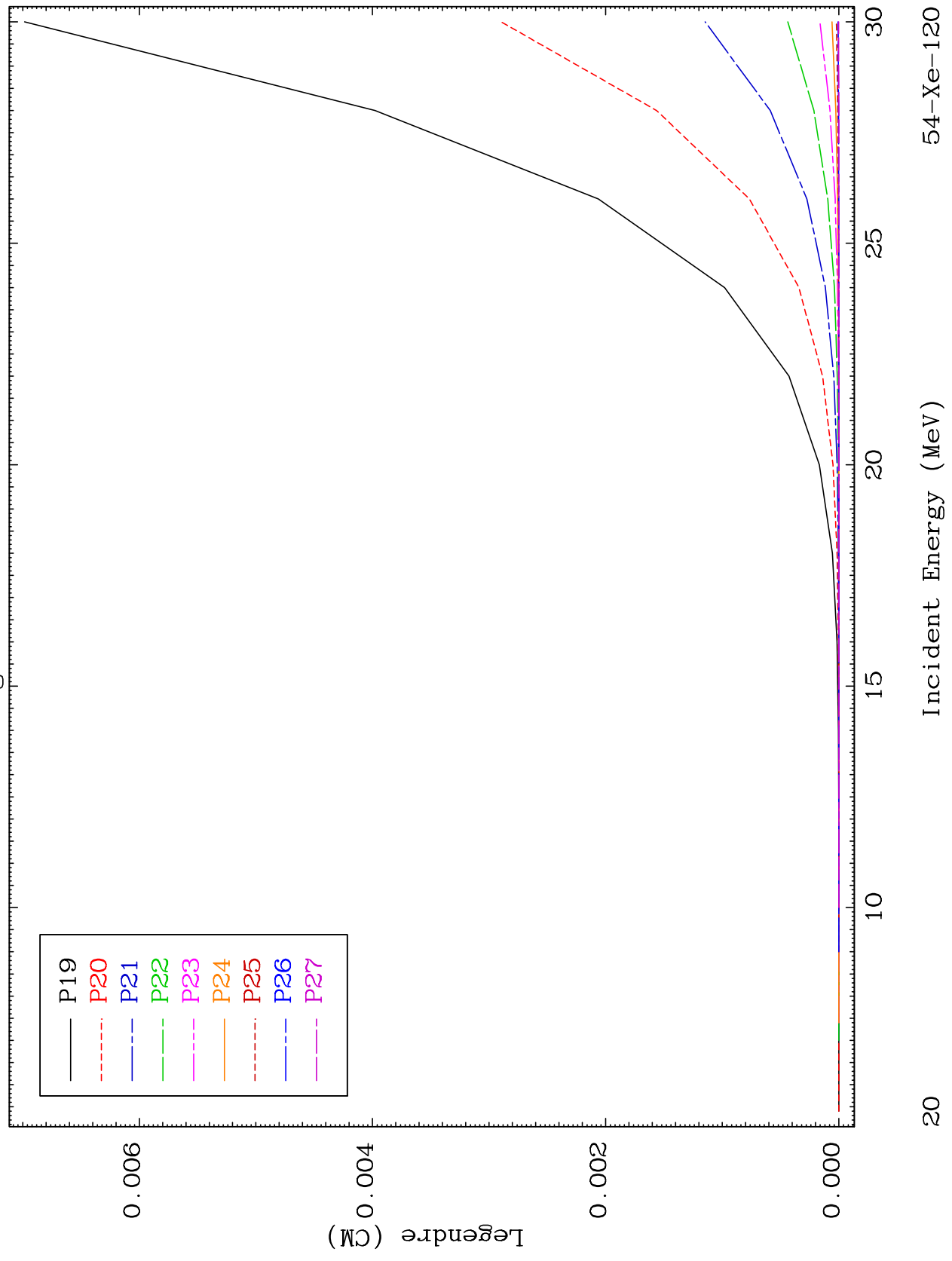
Incident Energy (MeV)

54-Xe-120

MAT 5413

### Elastic Legendre Coefficients

54-Xe-120



20

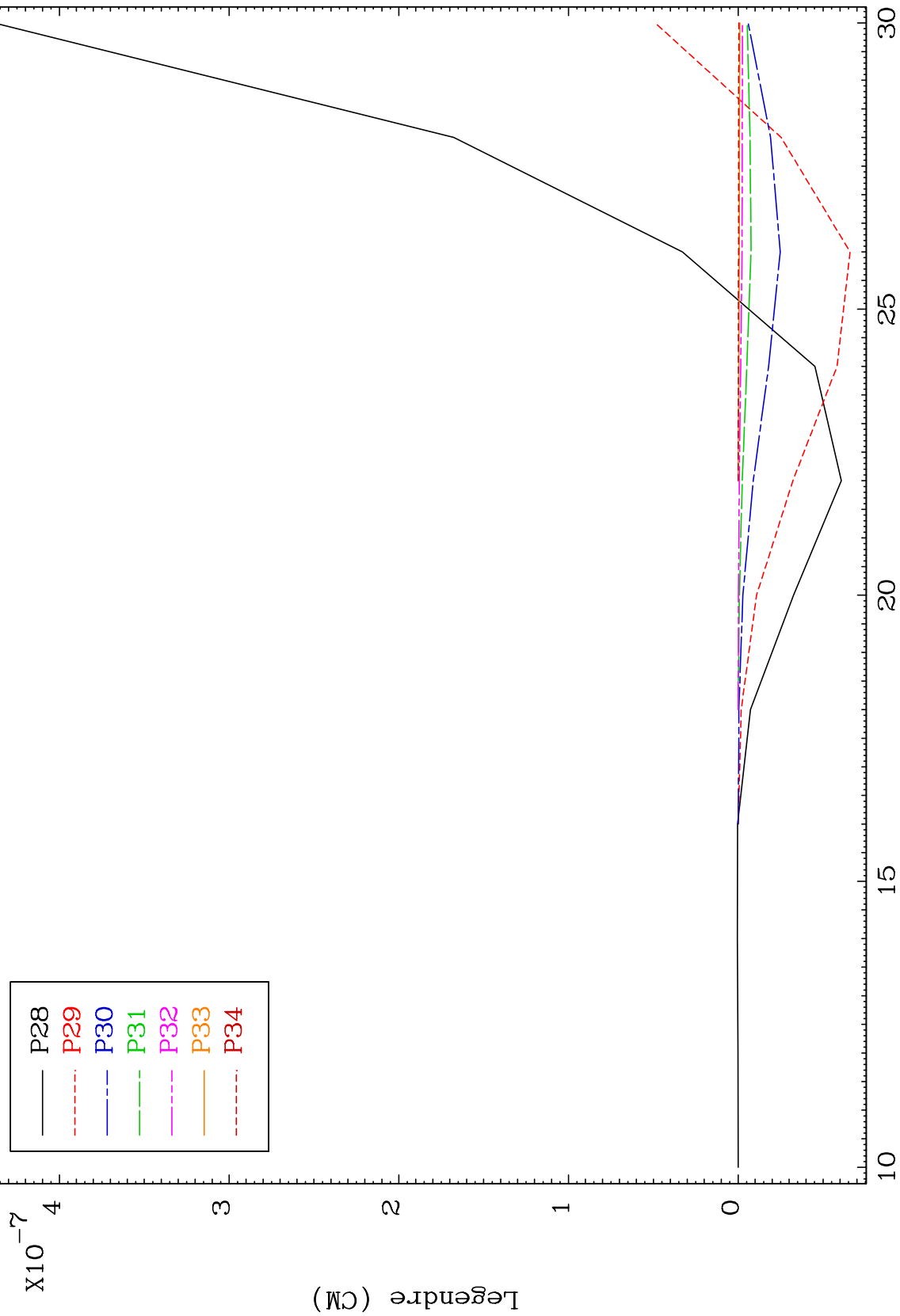
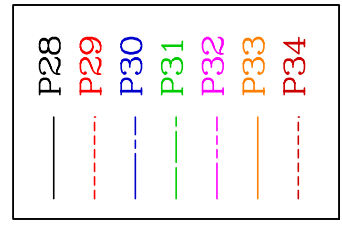
Incident Energy (MeV)

54-Xe-120

MAT 5413

Elastic Legendre Coefficients

54-Xe-120



21

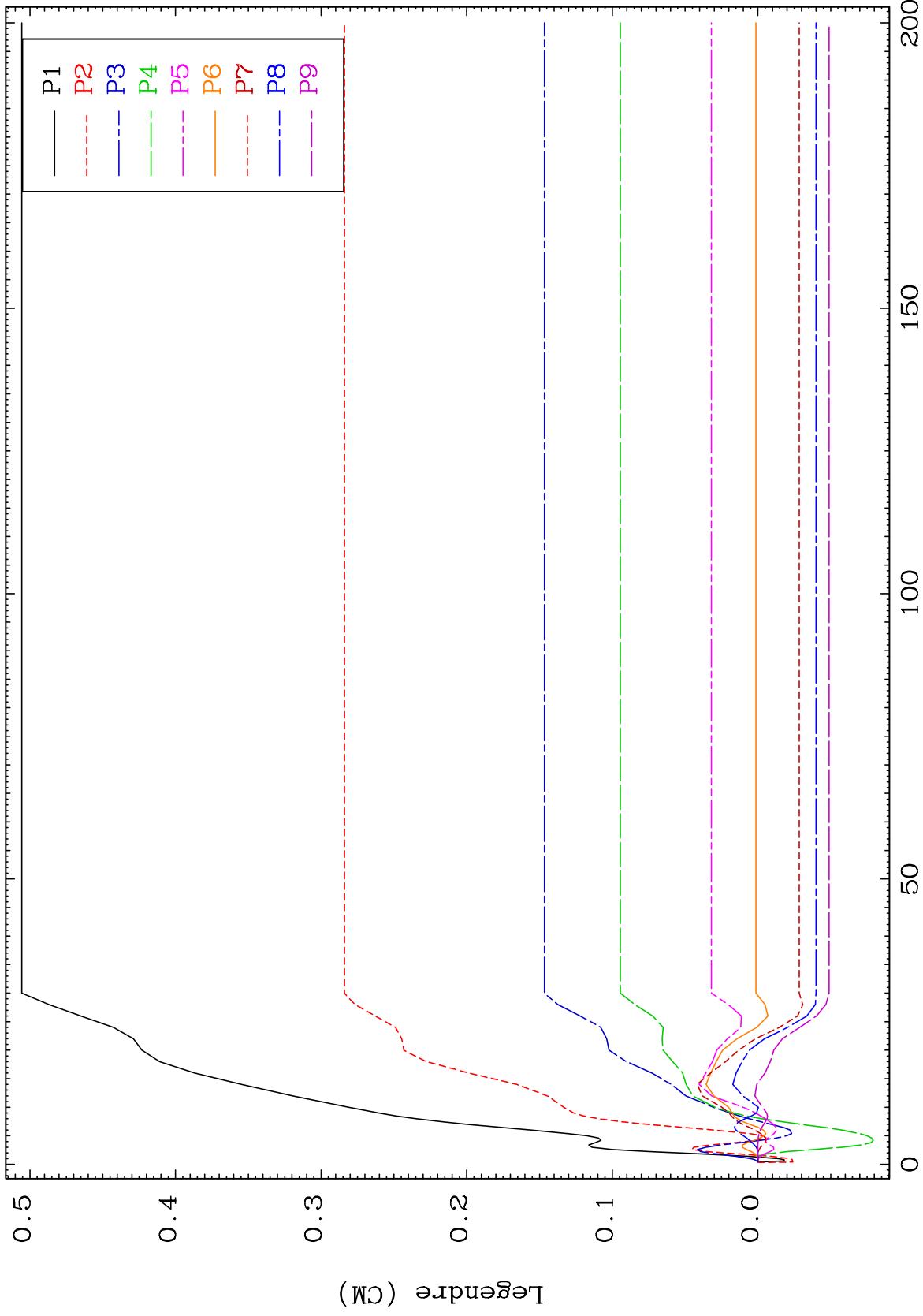
Incident Energy (MeV)

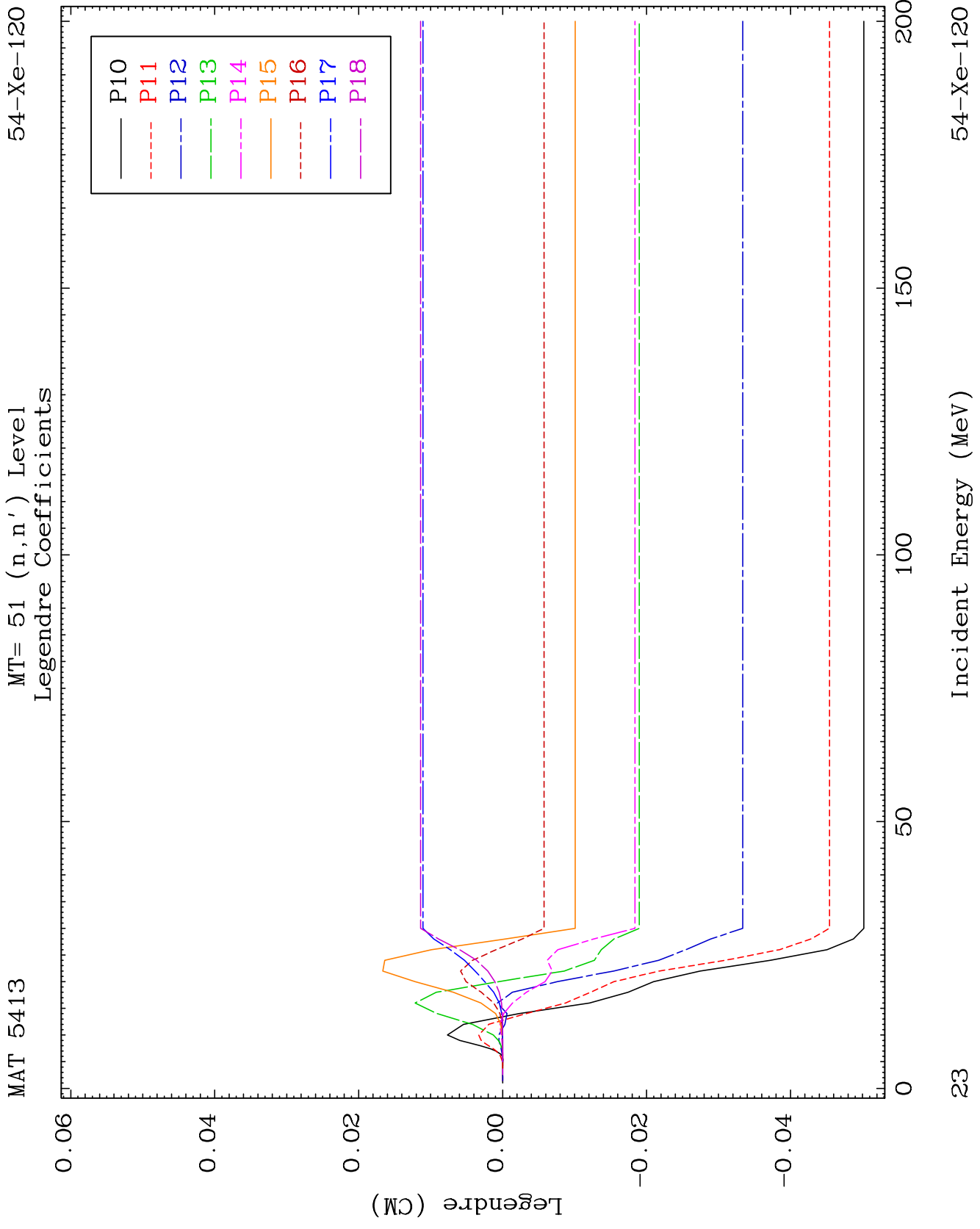
54-Xe-120

MAT 5413

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

54-Xe-120



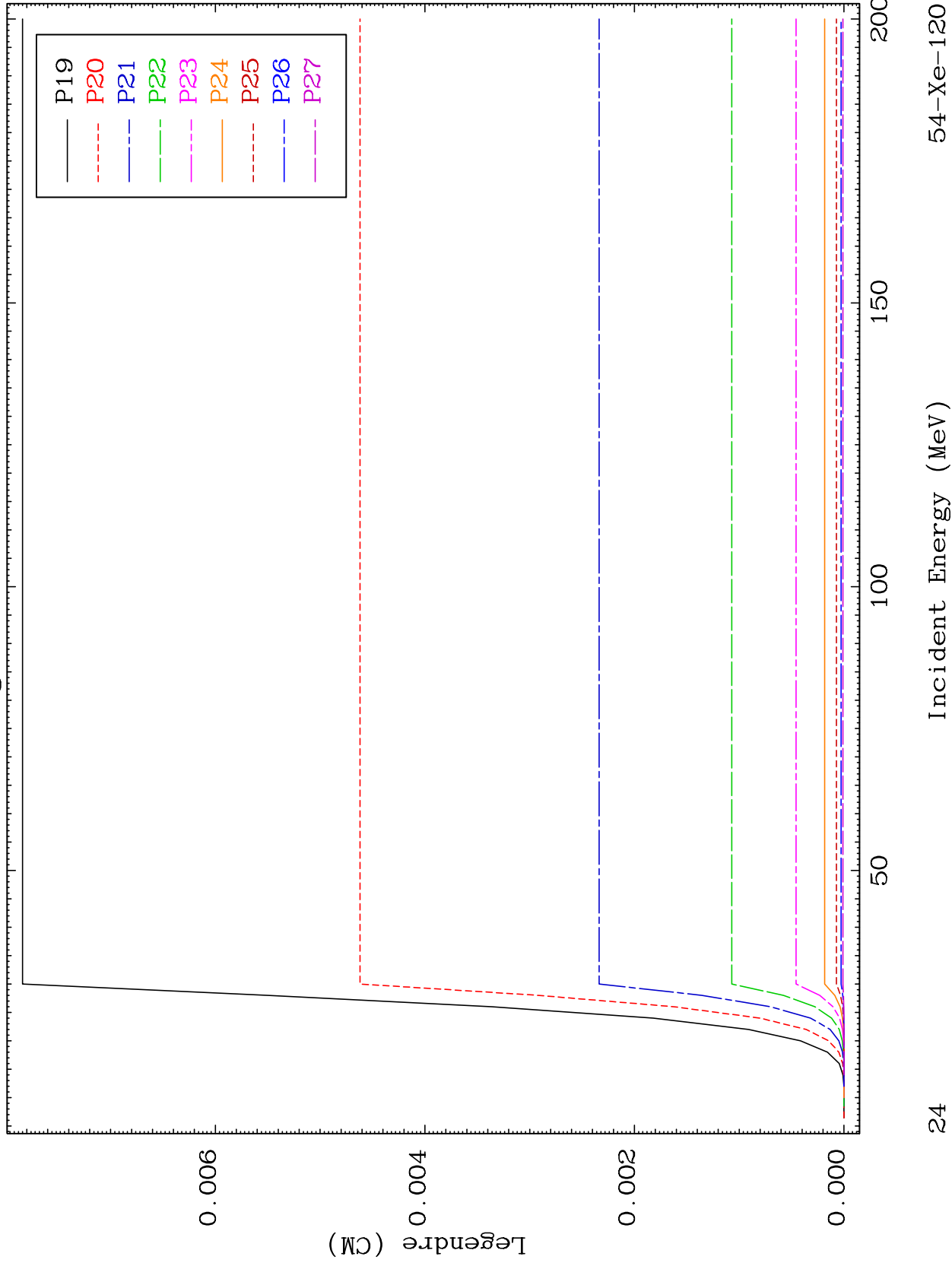




MAT 5413

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

54-Xe-120



24

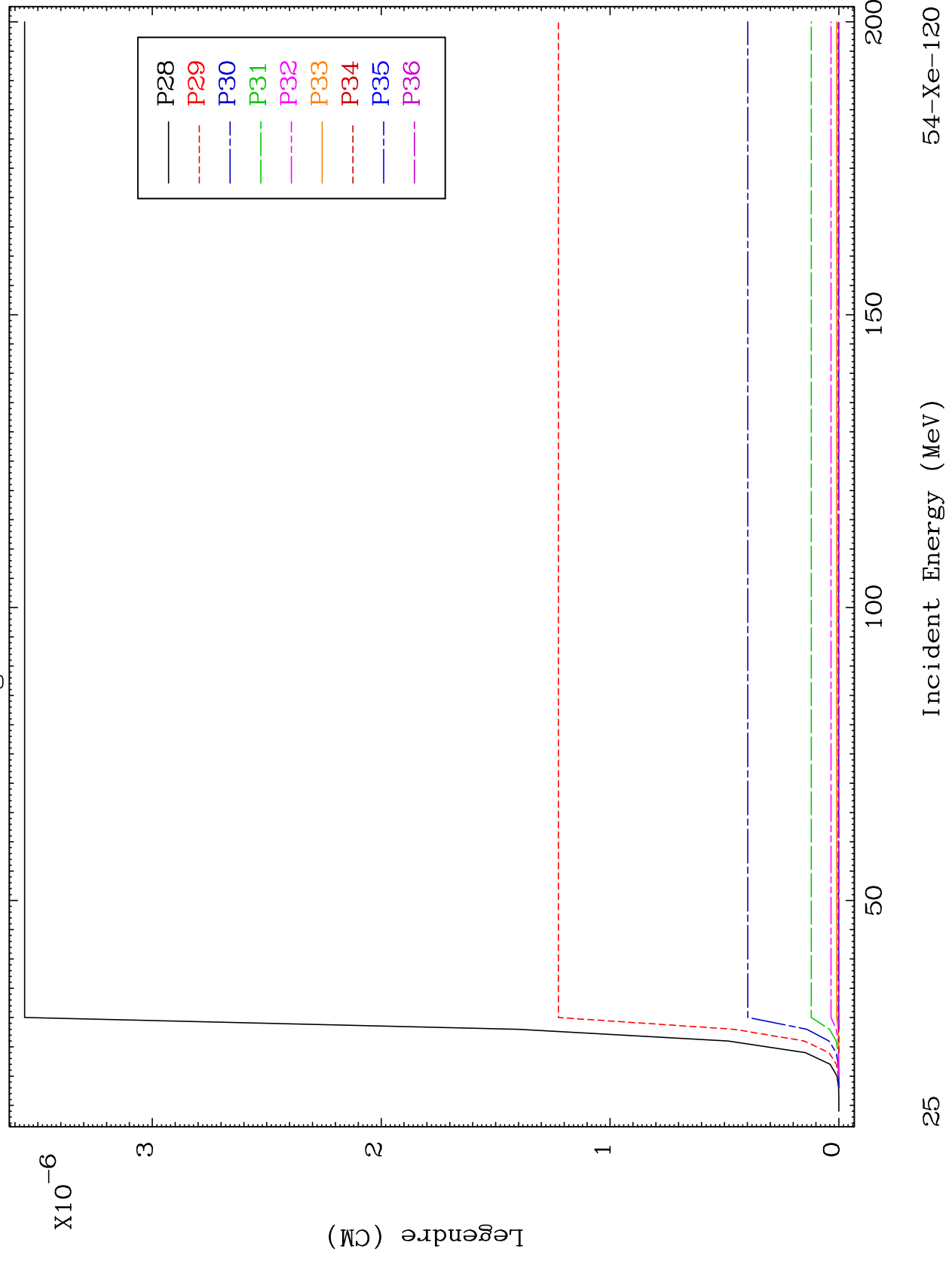
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



25

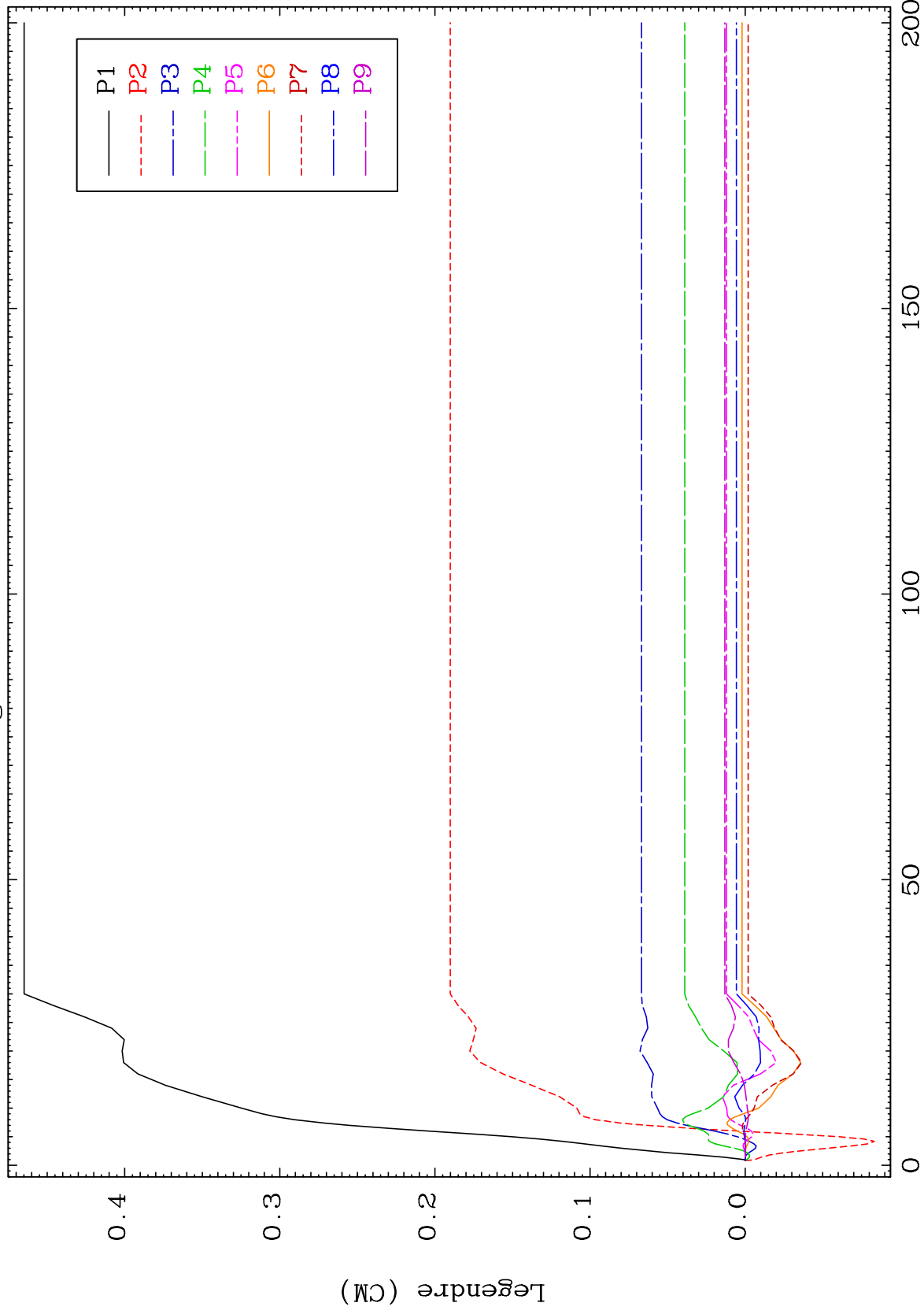
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



26

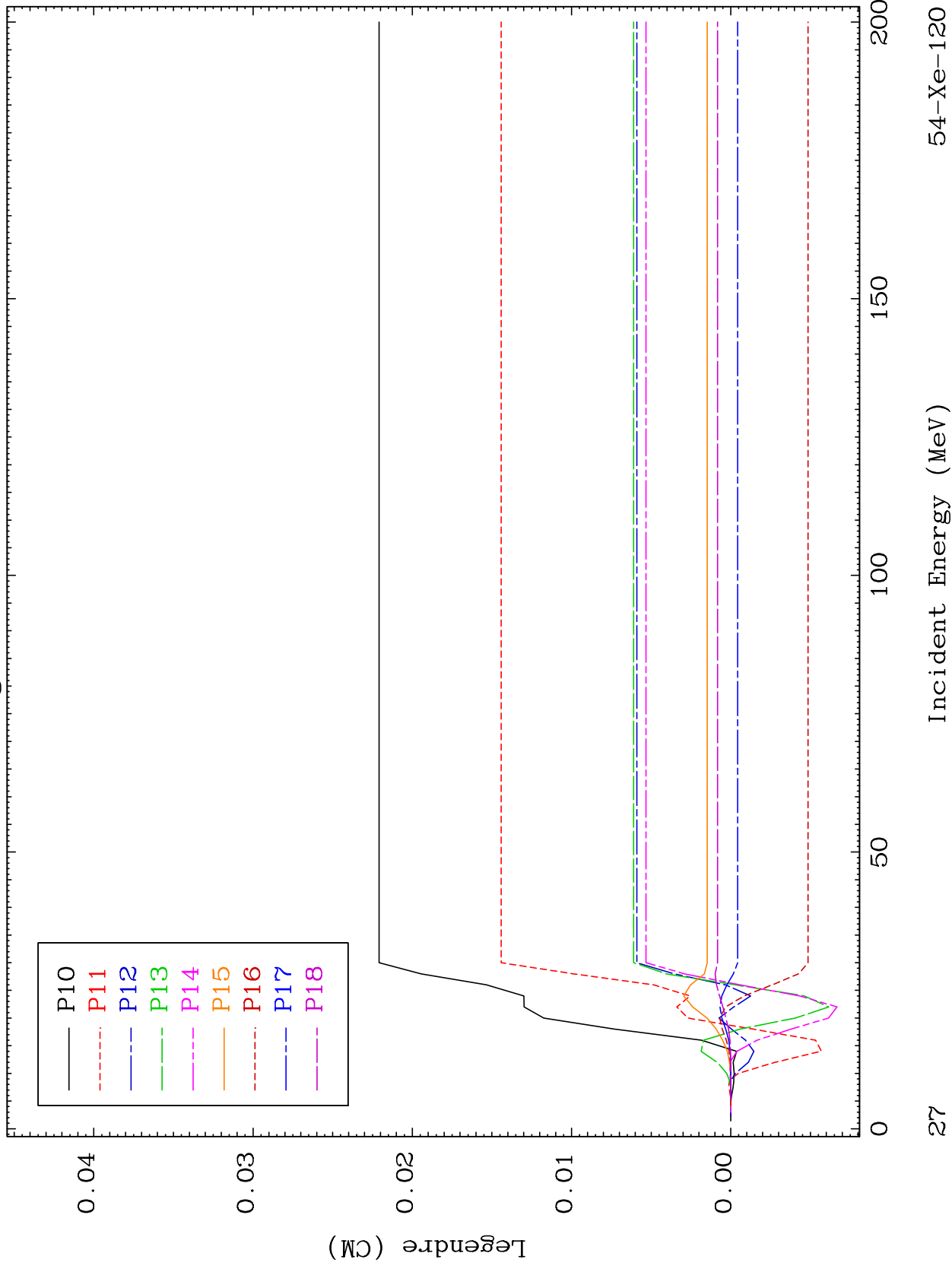
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

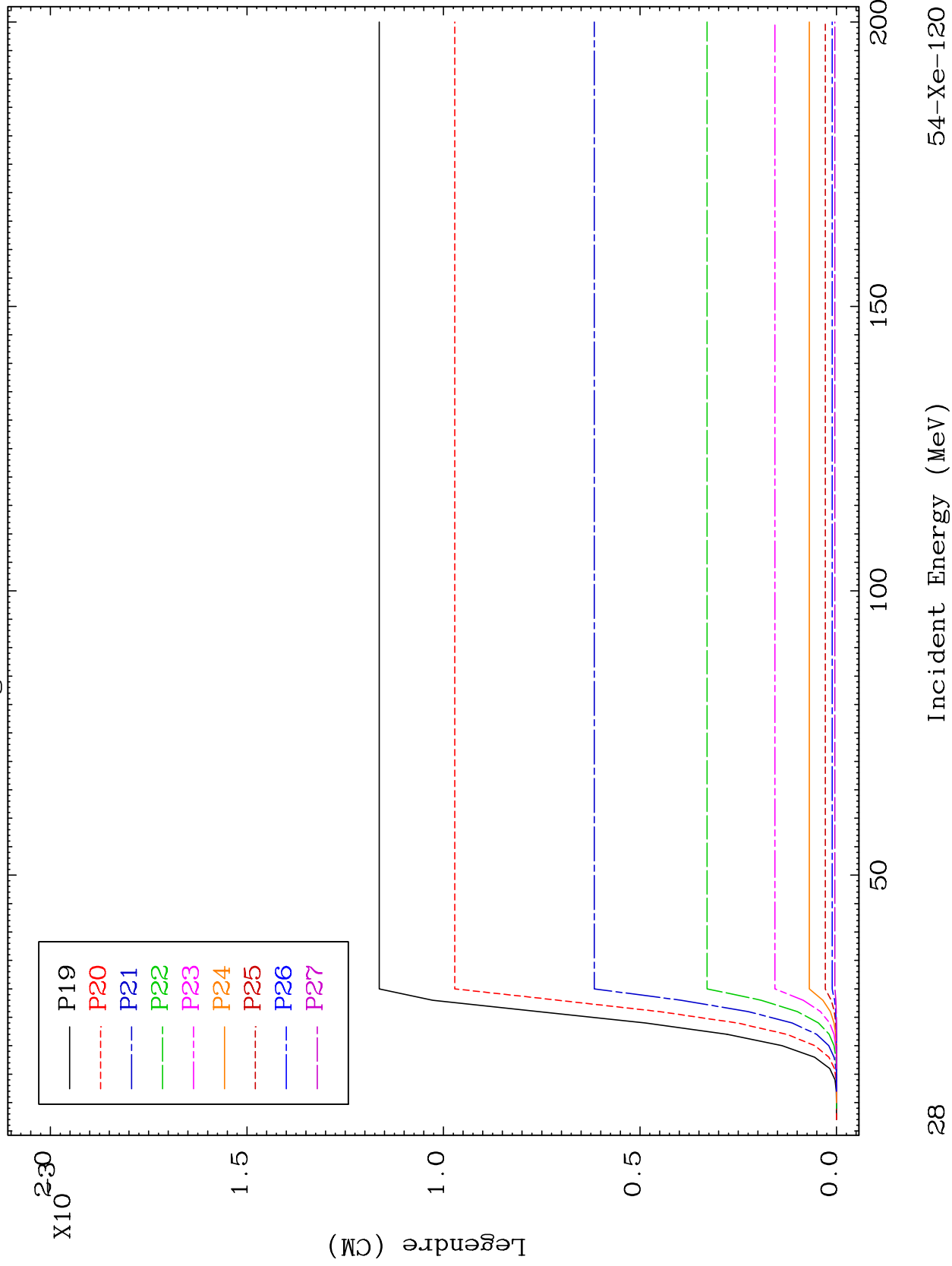
54-Xe-120



MAT 5413

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

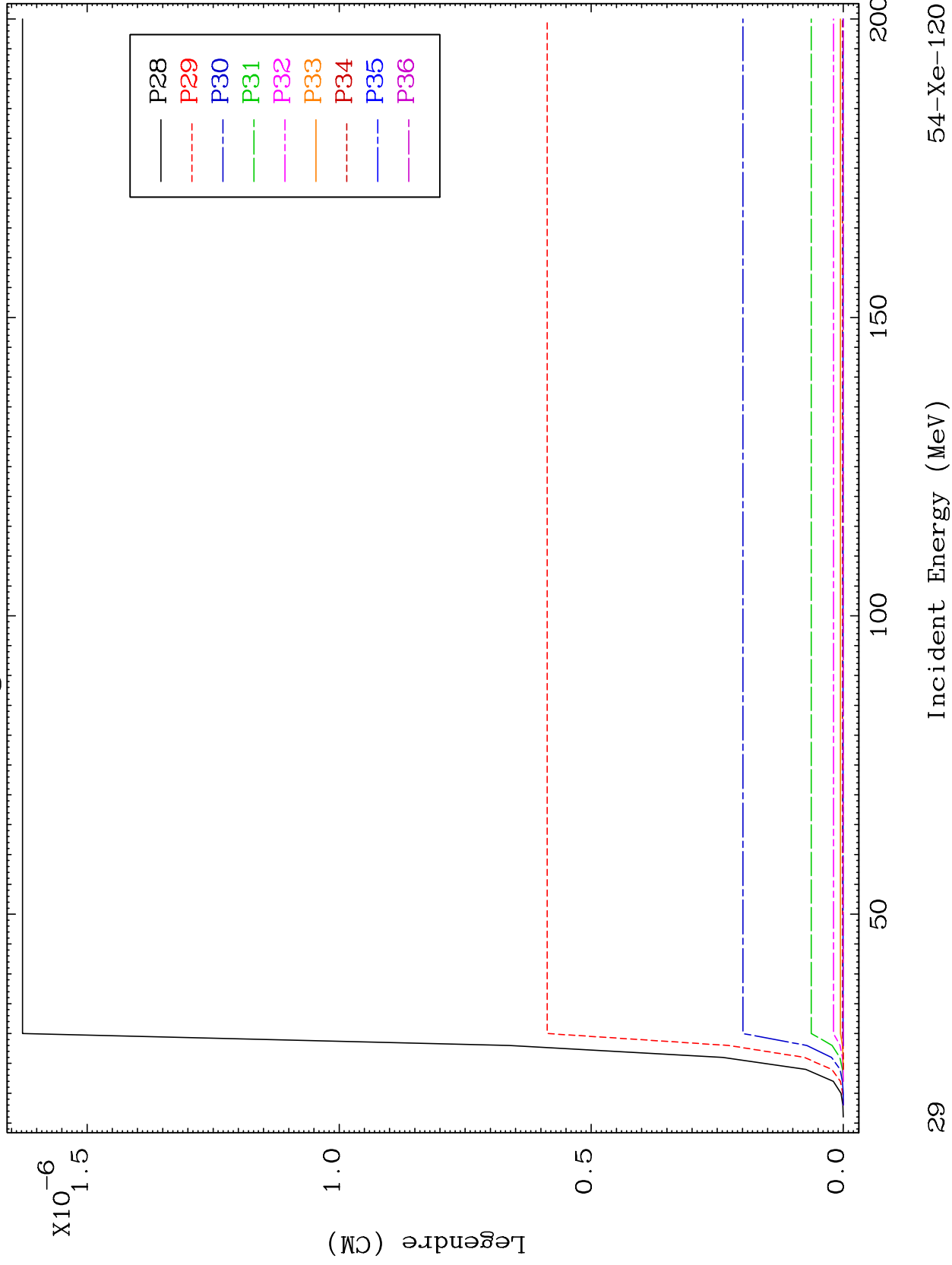
54-Xe-120



MAT 5413

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

54-Xe-120



29

Incident Energy (MeV)

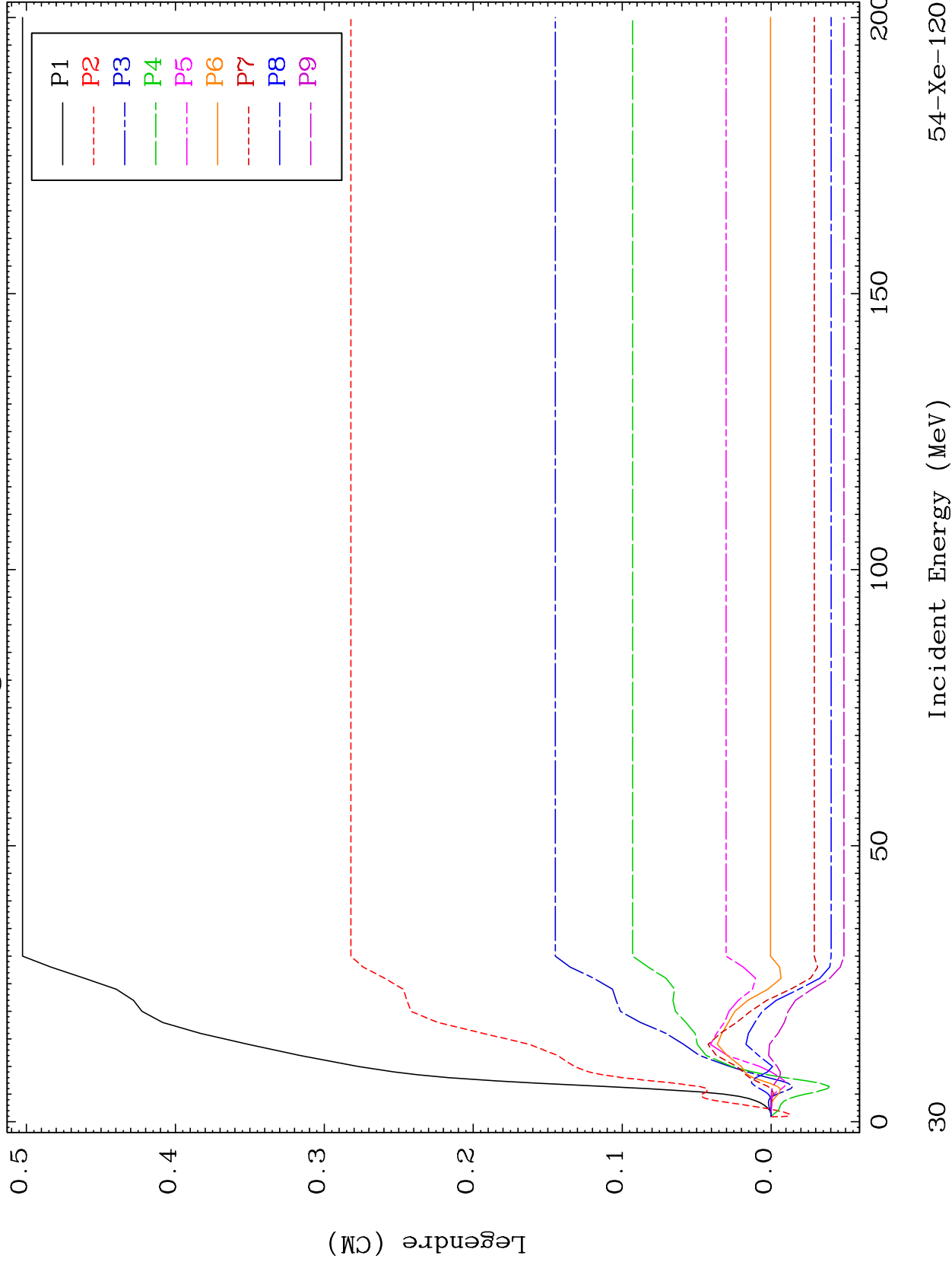
54-Xe-120

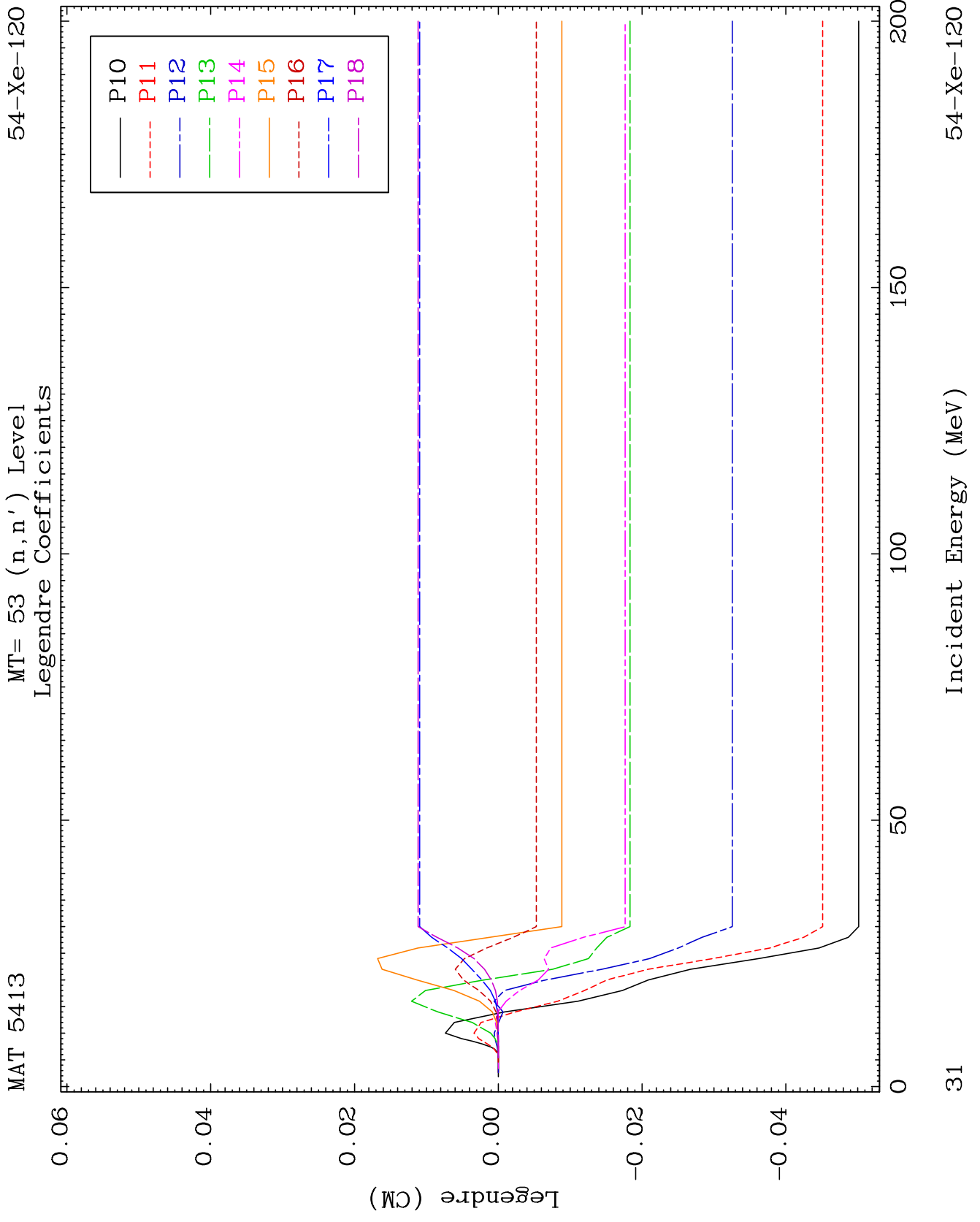
MAT 5413

MT= 53 (n,n') Level

54-Xe-120

Legendre Coefficients



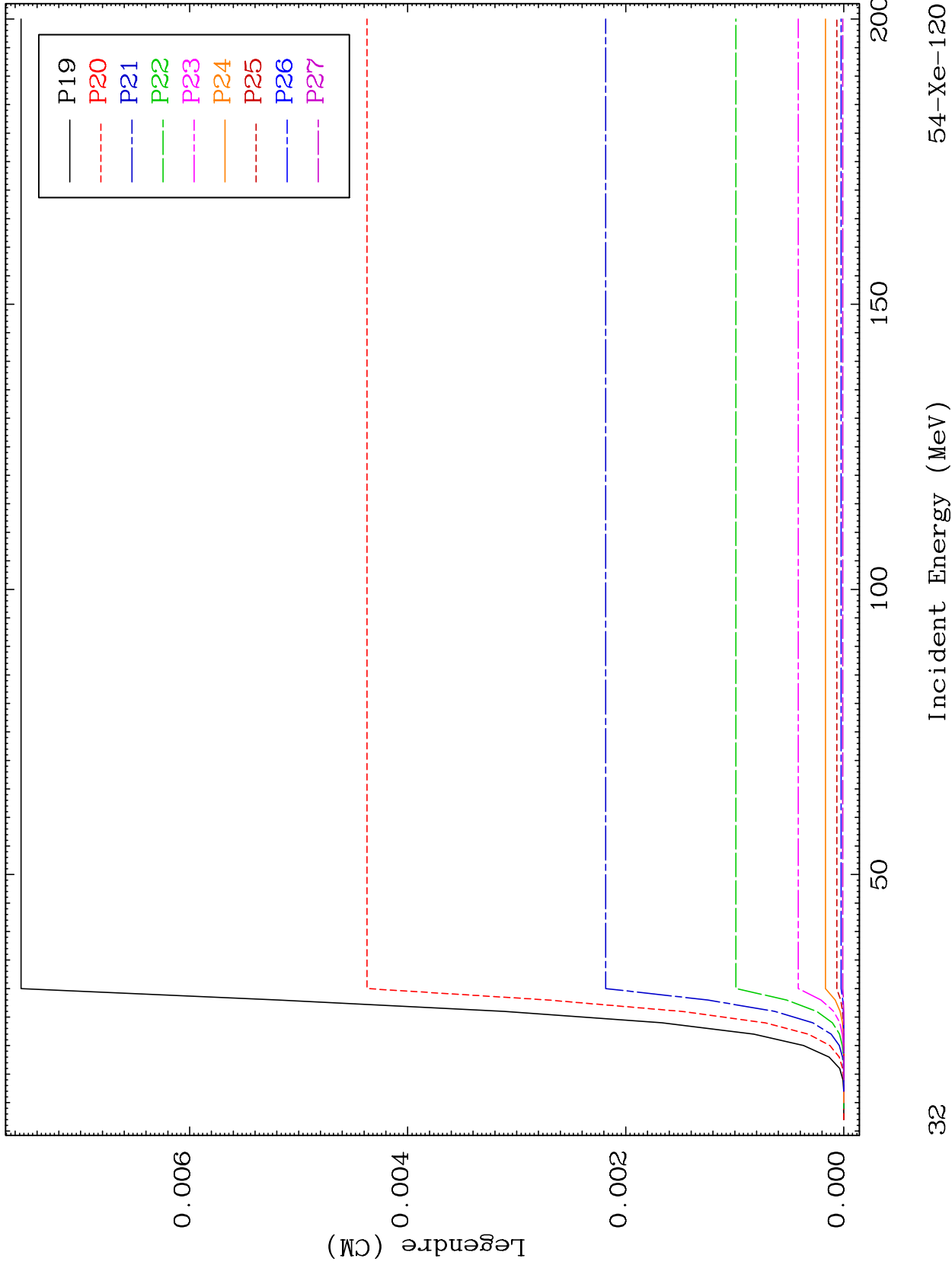




MAT 5413

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

54-Xe-120



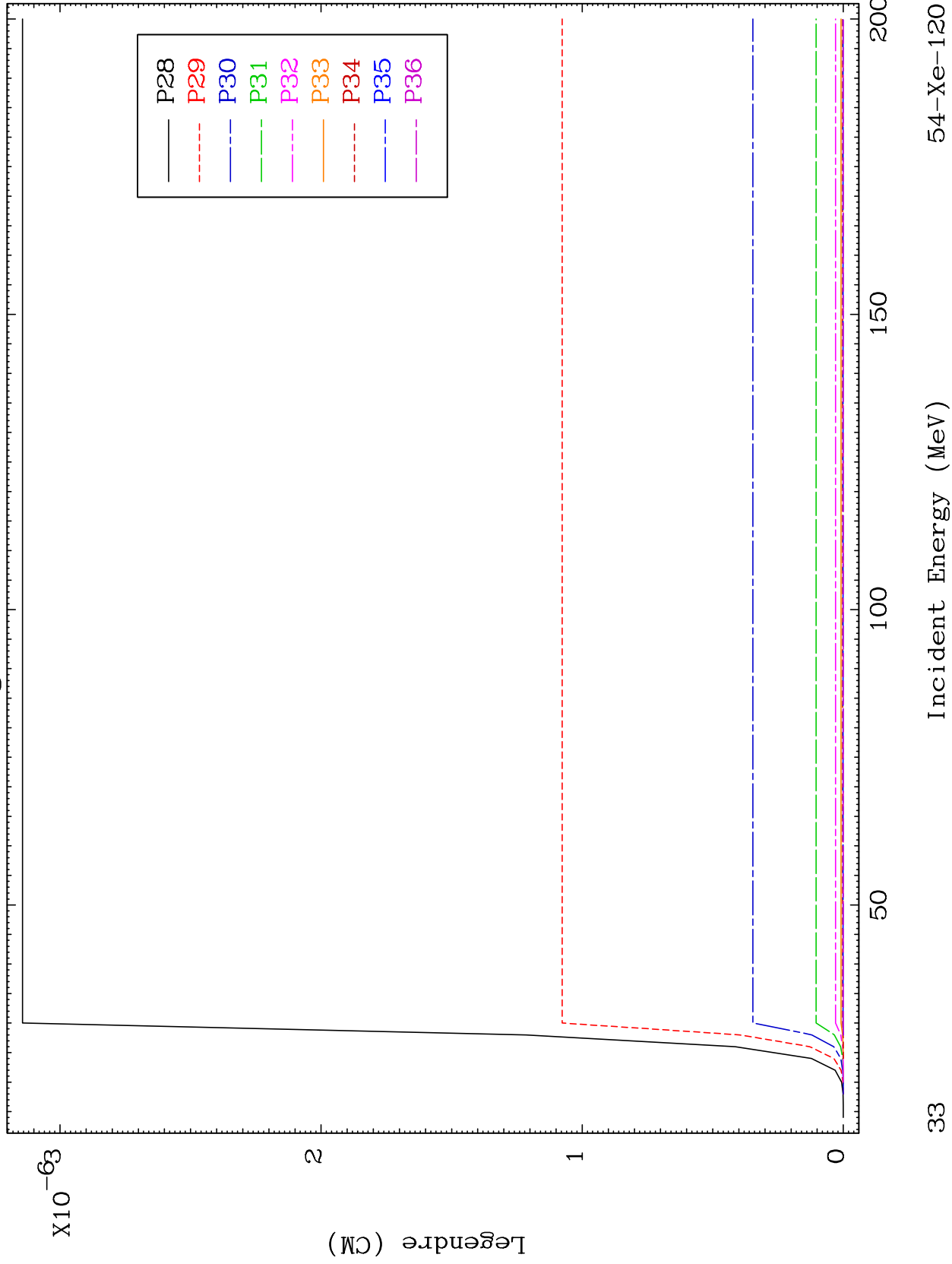
32

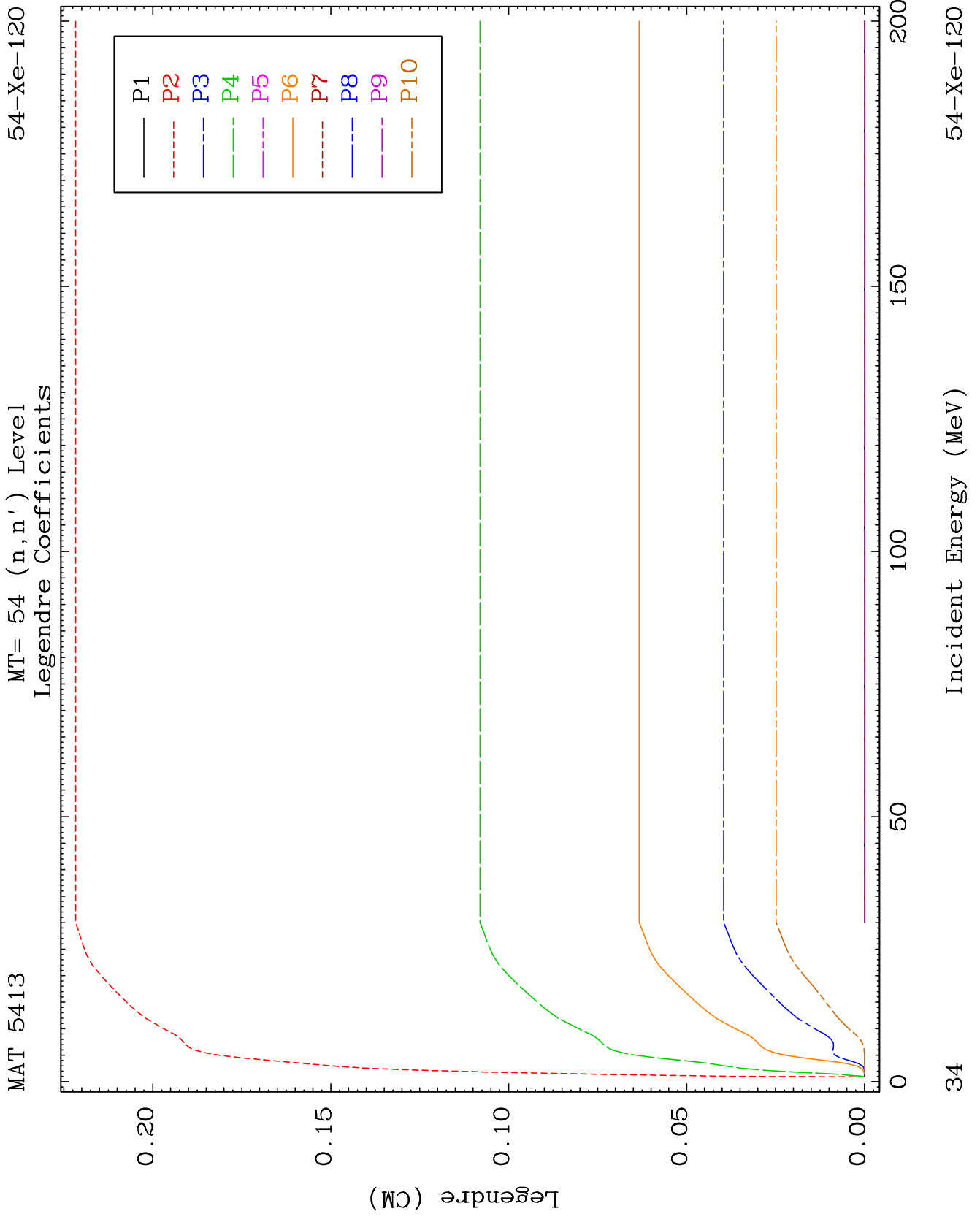
54-Xe-120

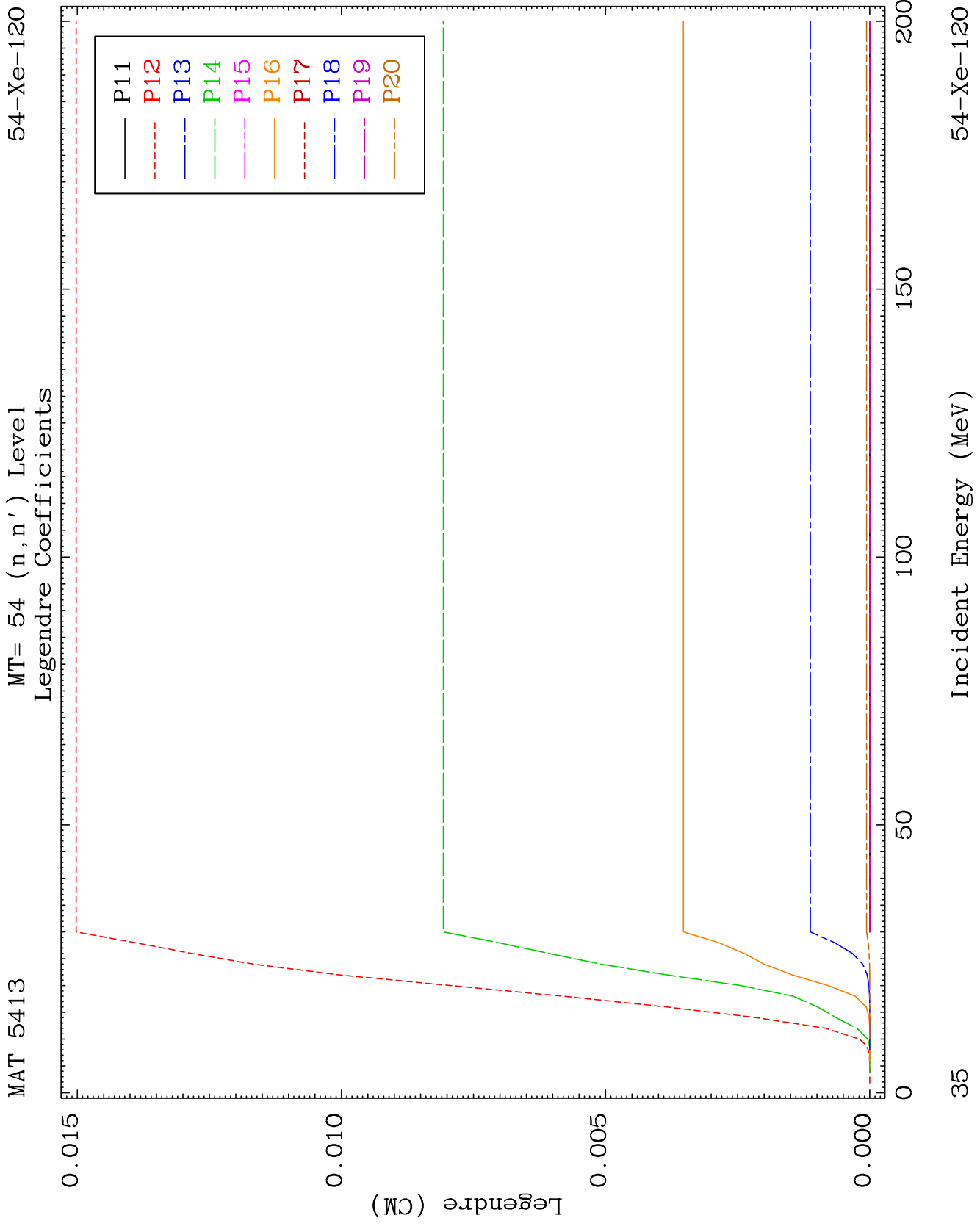
MAT 5413

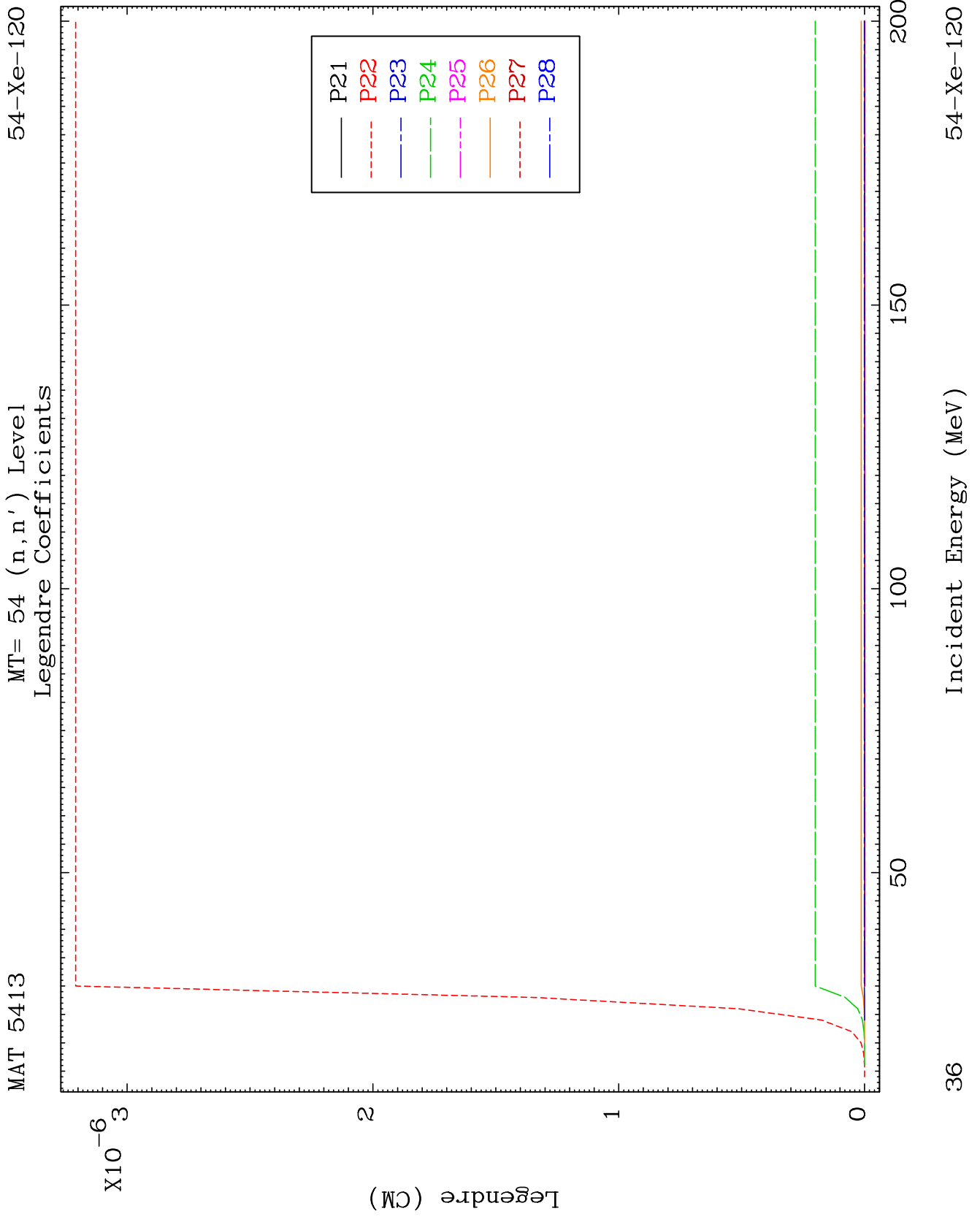
MT= 53 (n,n') Level  
Legendre Coefficients

54-Xe-120





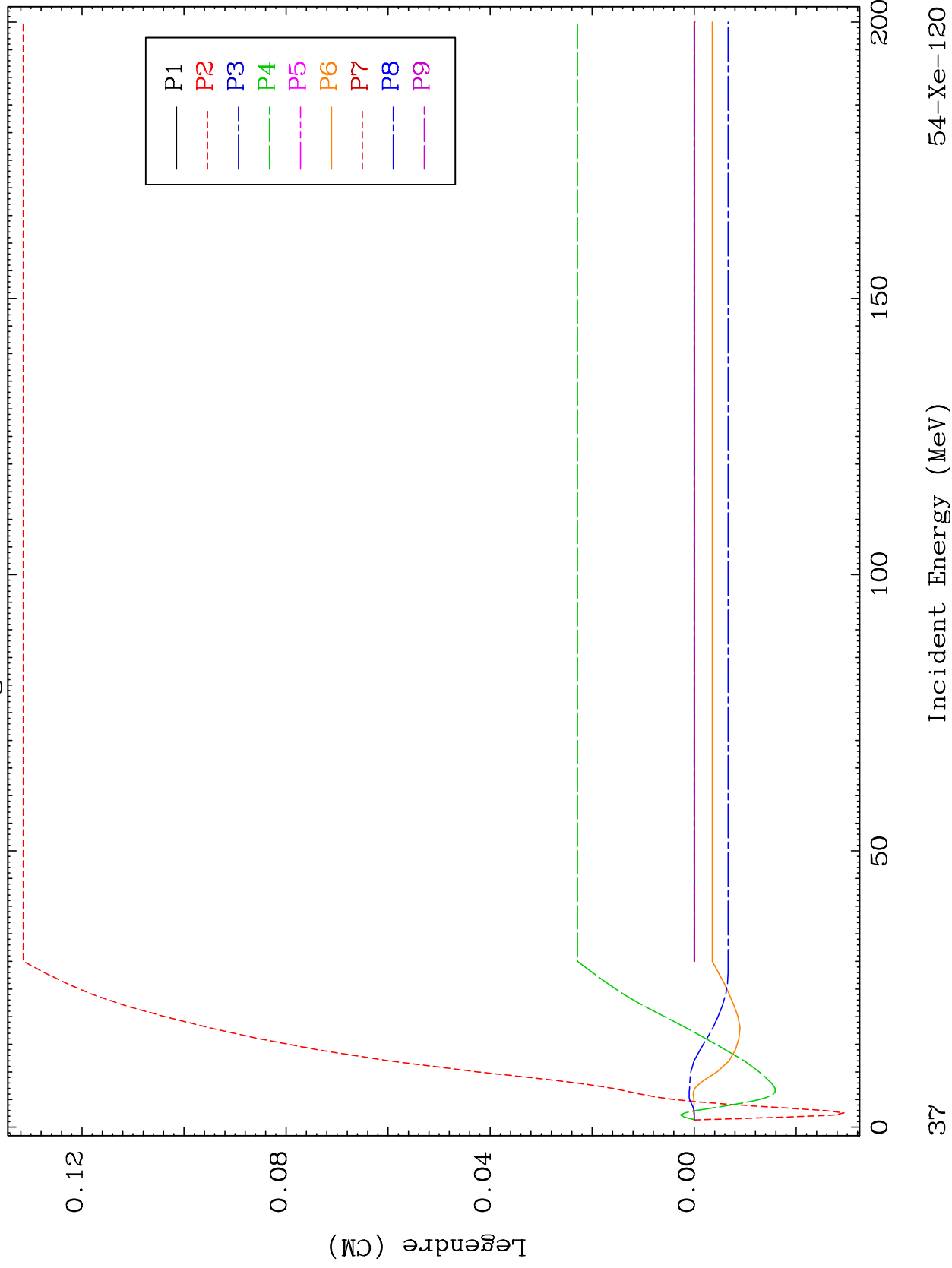




MAT 5413

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

54-Xe-120



54-Xe-120

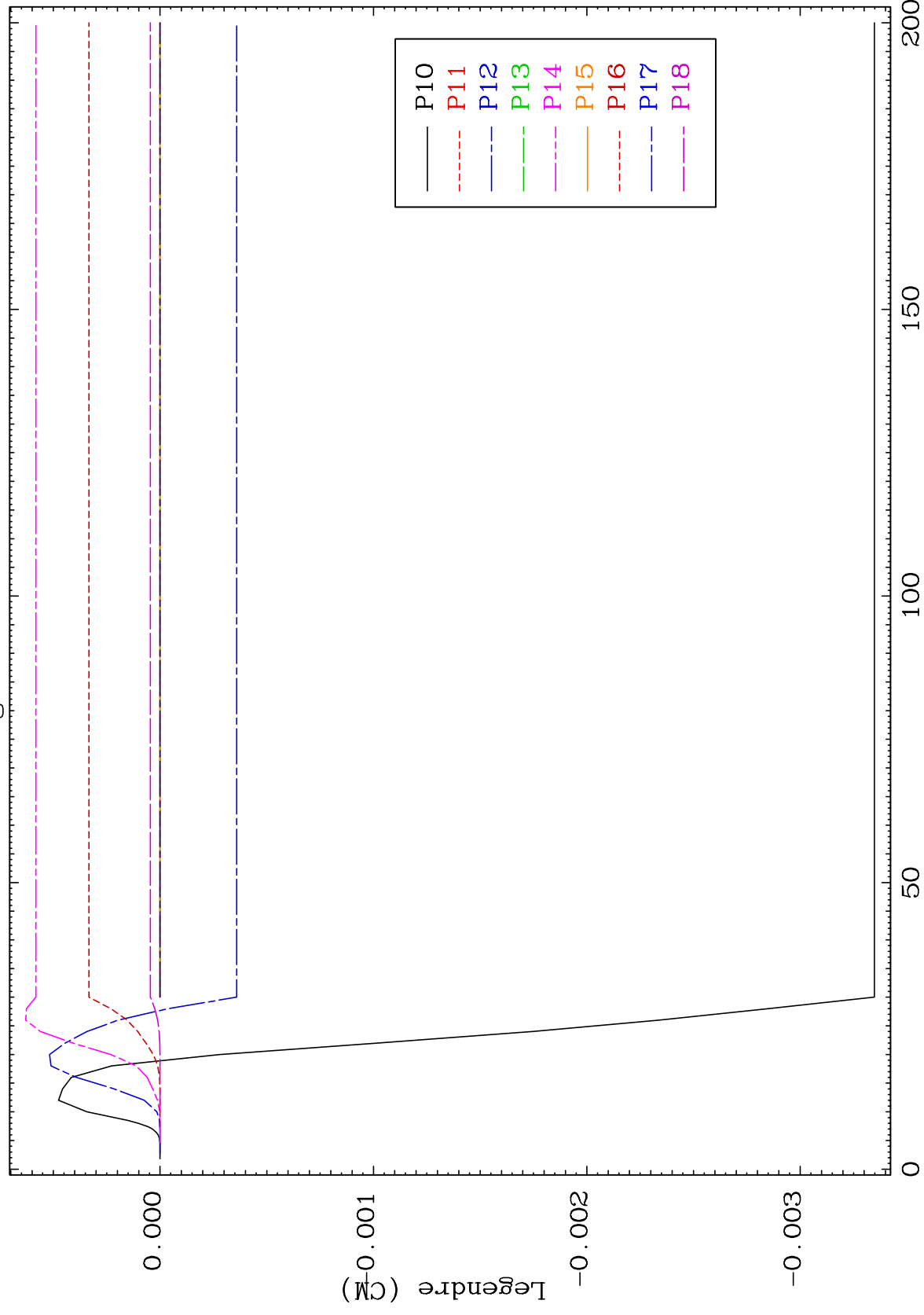
Incident Energy (MeV)

37

MAT 5413

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

54-Xe-120



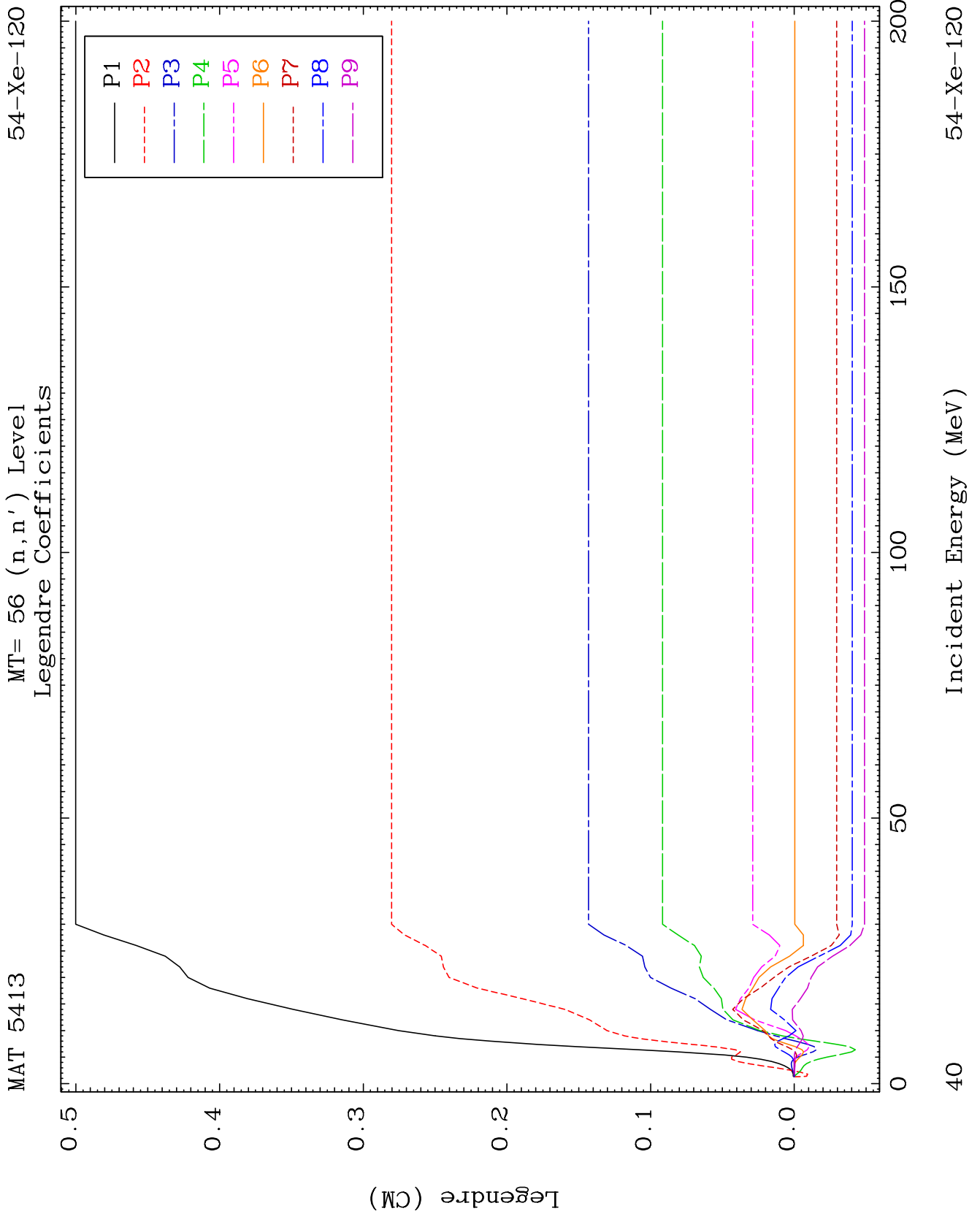
38

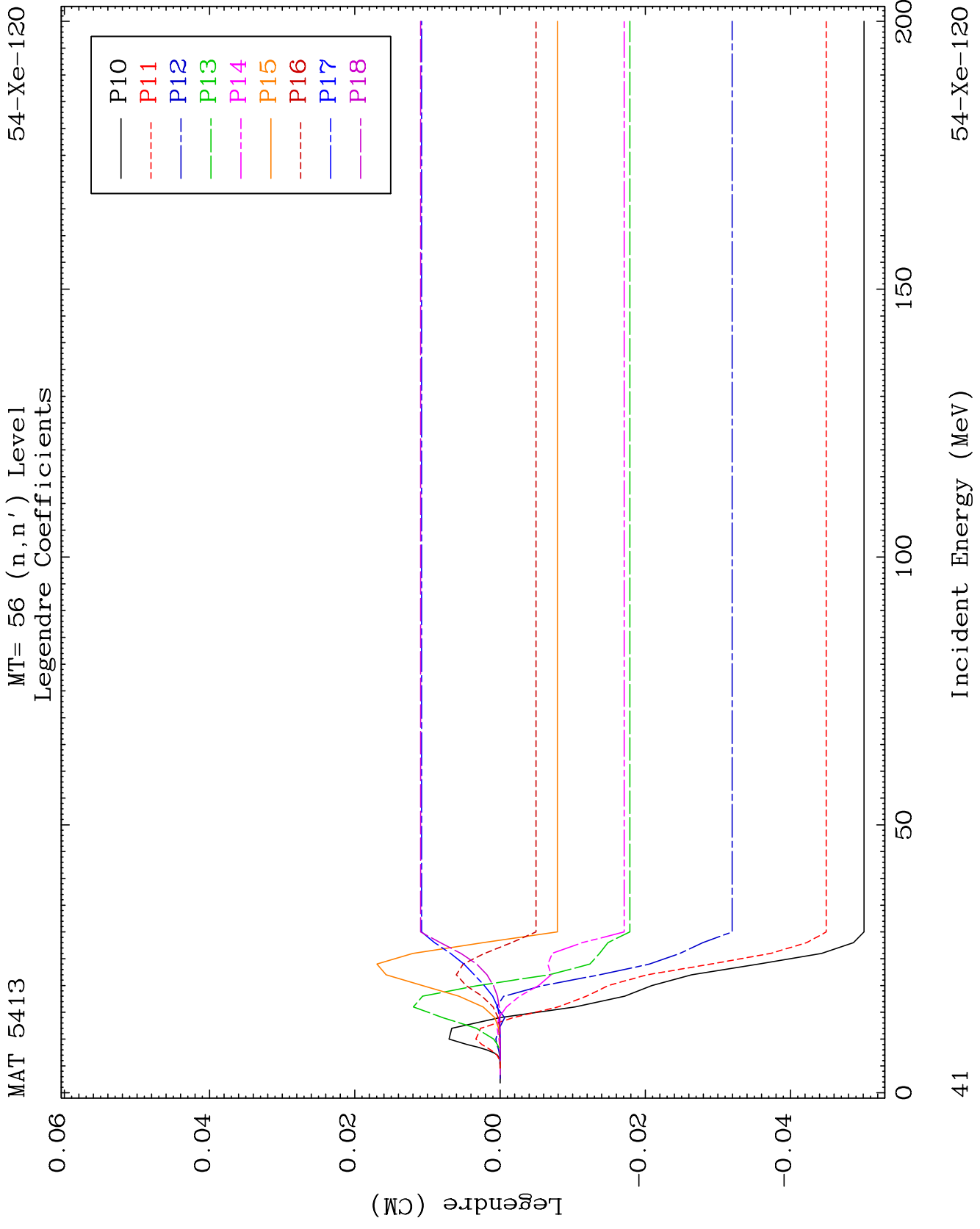
Incident Energy (MeV)

54-Xe-120





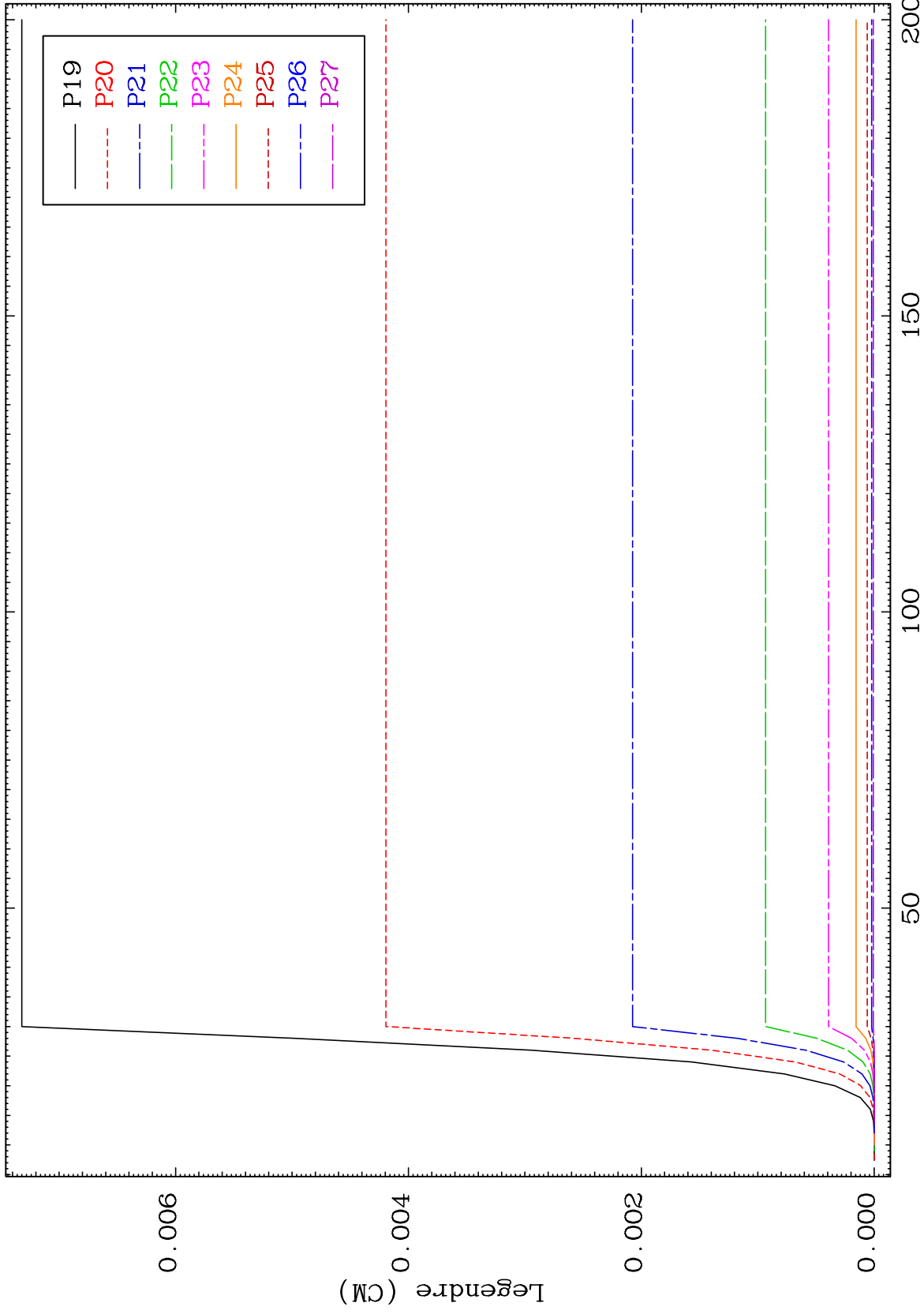




MAT 5413

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

54-Xe-120



42

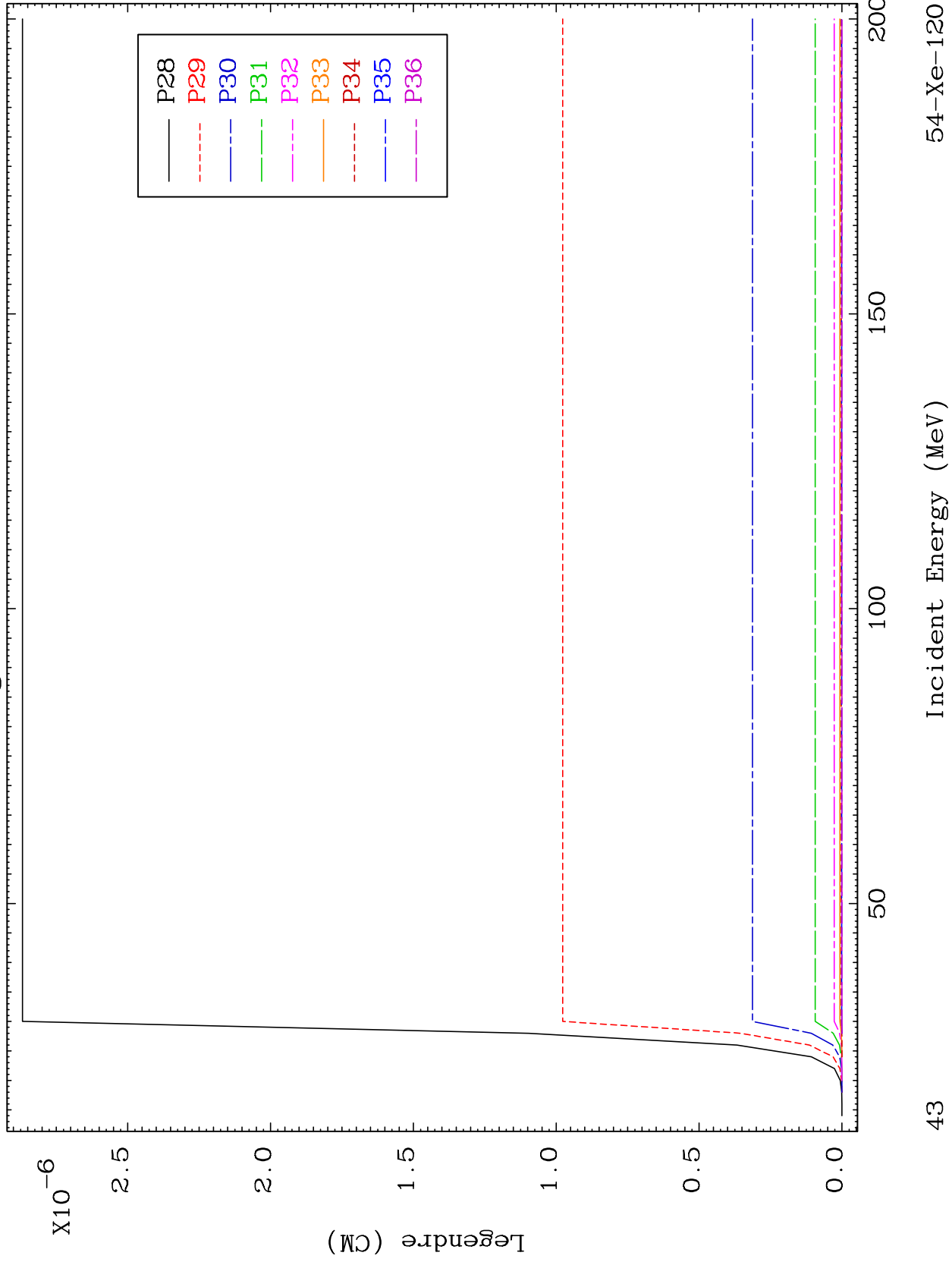
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

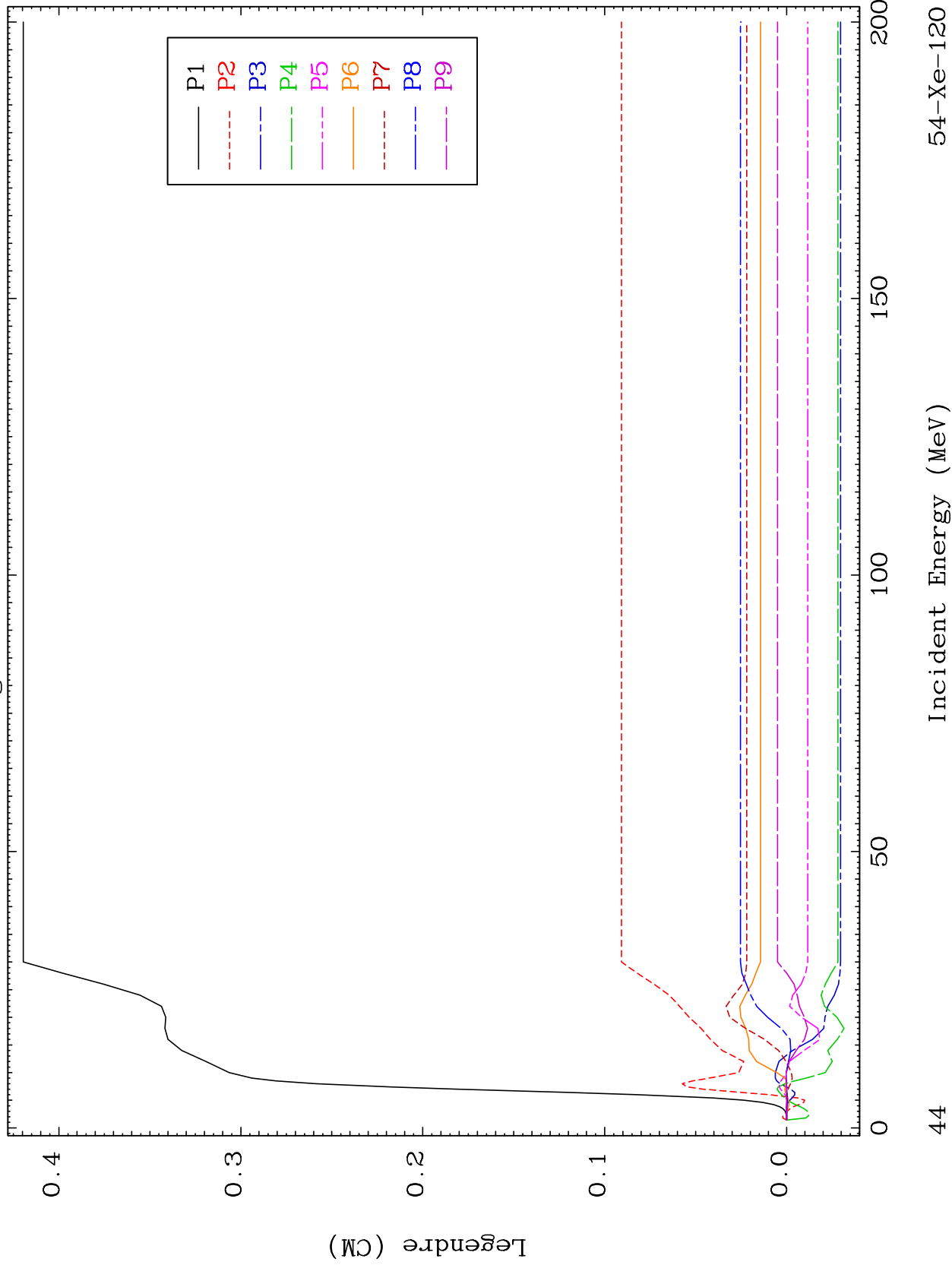
54-Xe-120



MAT 5413

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

54-Xe-120



54-Xe-120

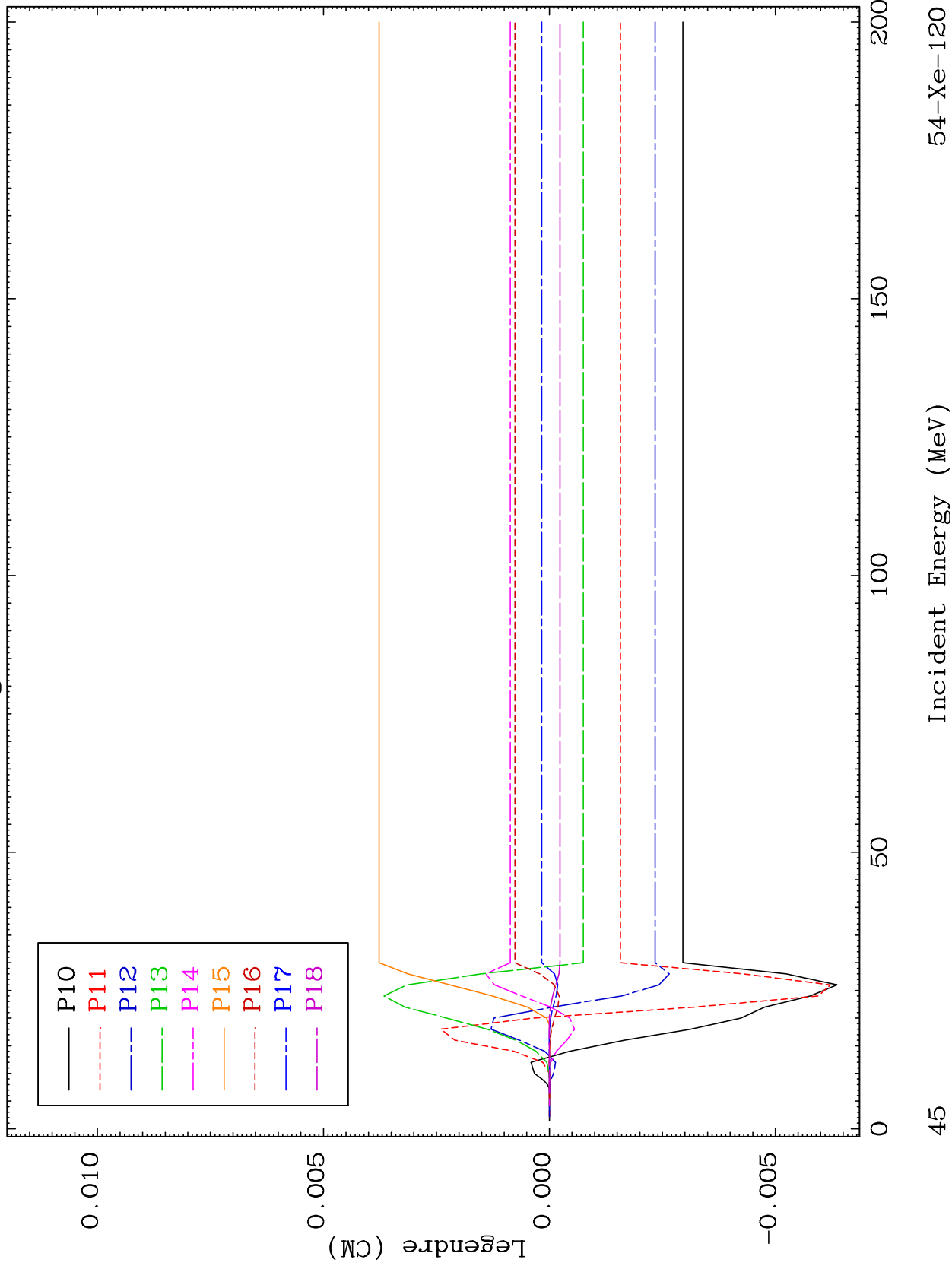
Incident Energy (MeV)

44

MAT 5413

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

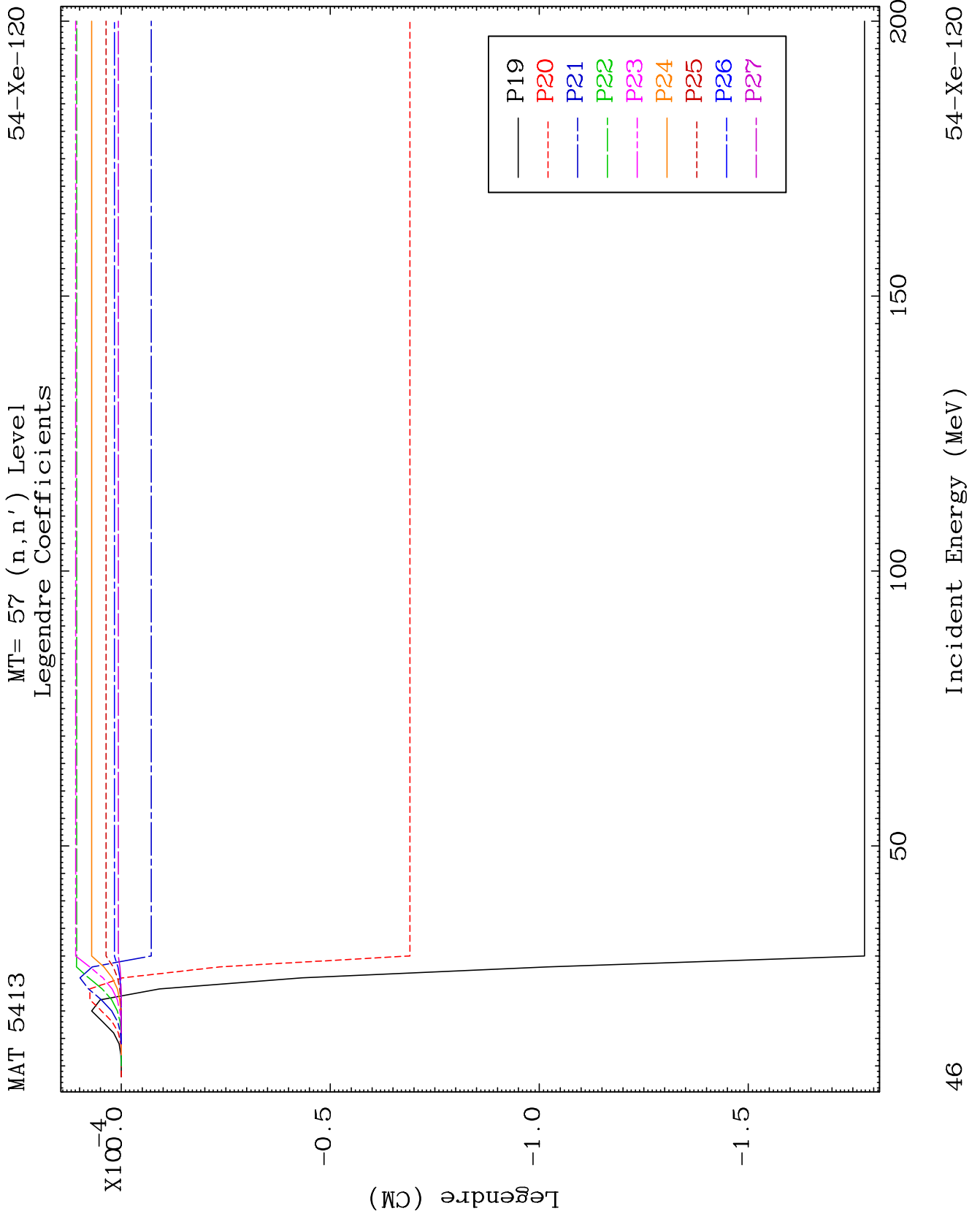
54-Xe-120



54-Xe-120

Incident Energy (MeV)

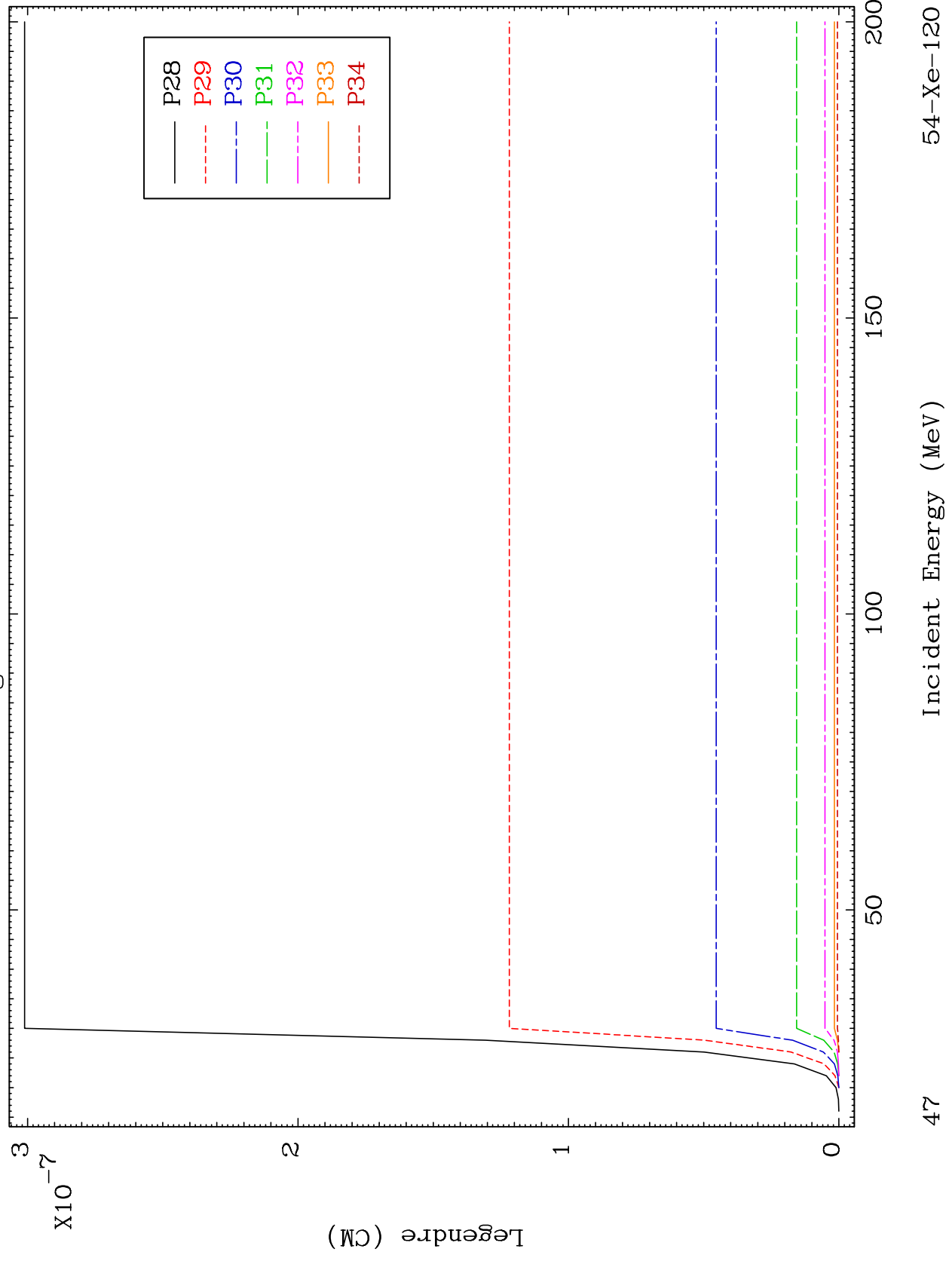
45



MAT 5413

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

54-Xe-120



47

Incident Energy (MeV)

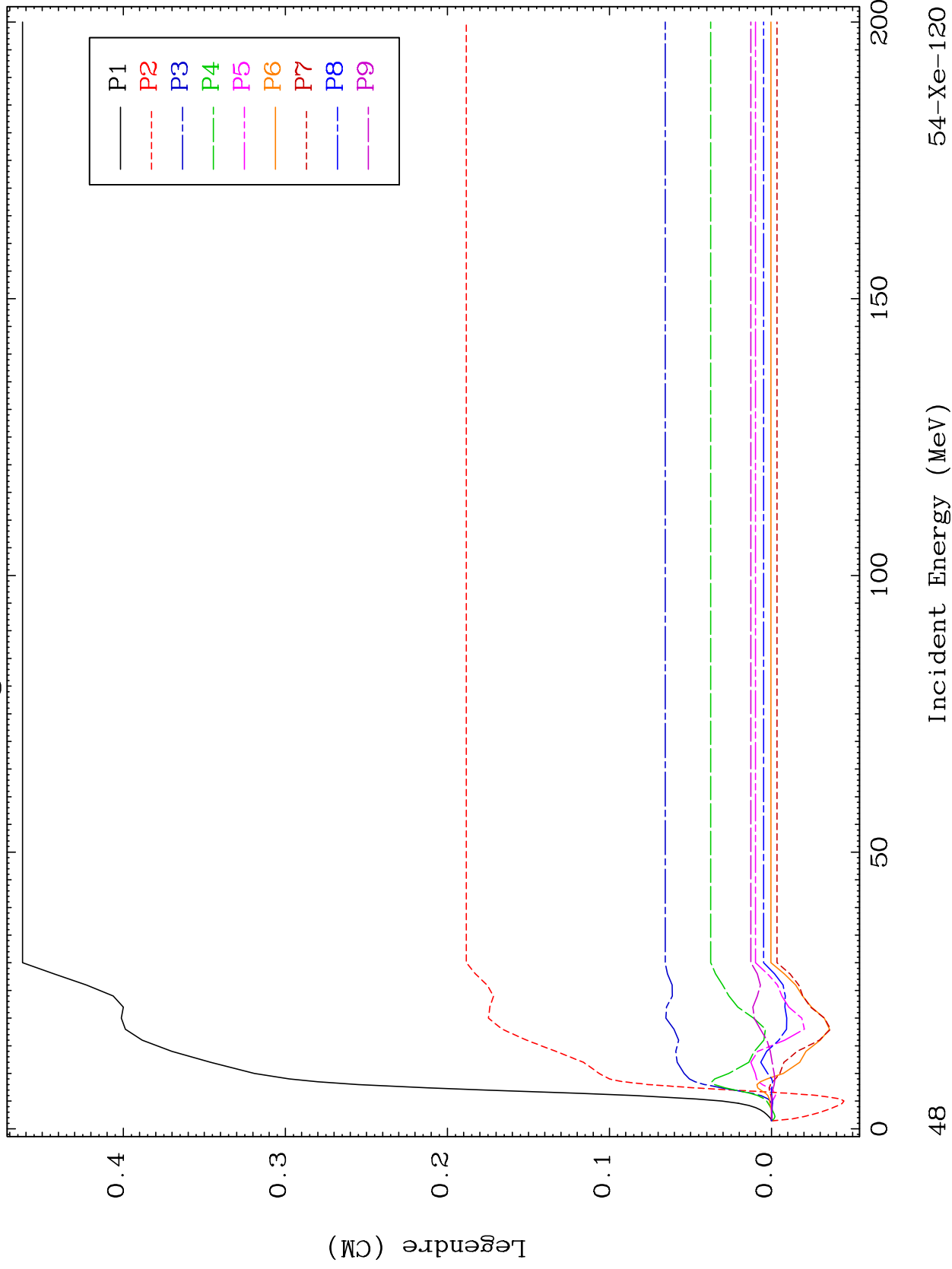
54-Xe-120



MAT 5413

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

54-Xe-120



54-Xe-120

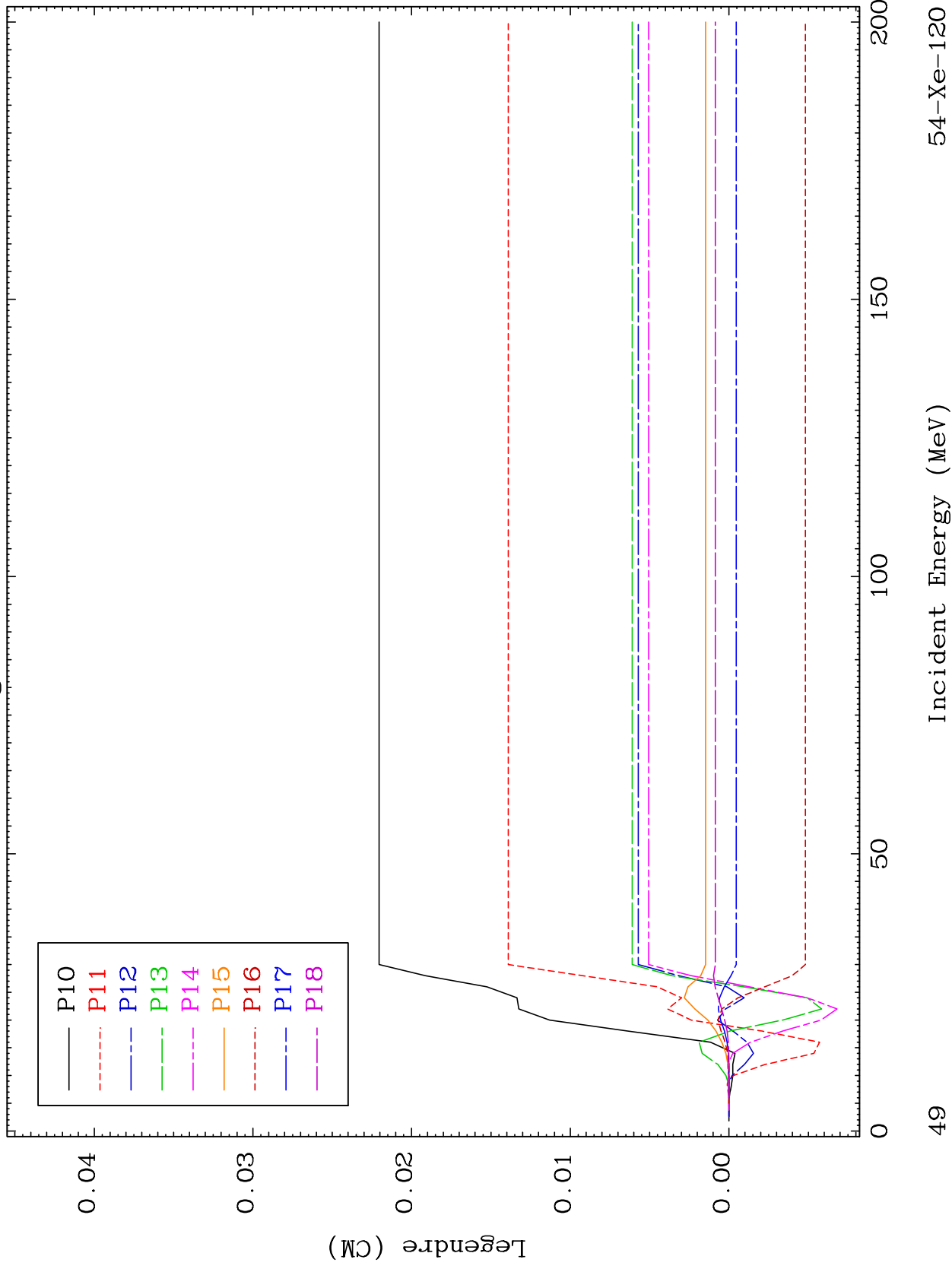
Incident Energy (MeV)

48

MAT 5413

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

54-Xe-120



49

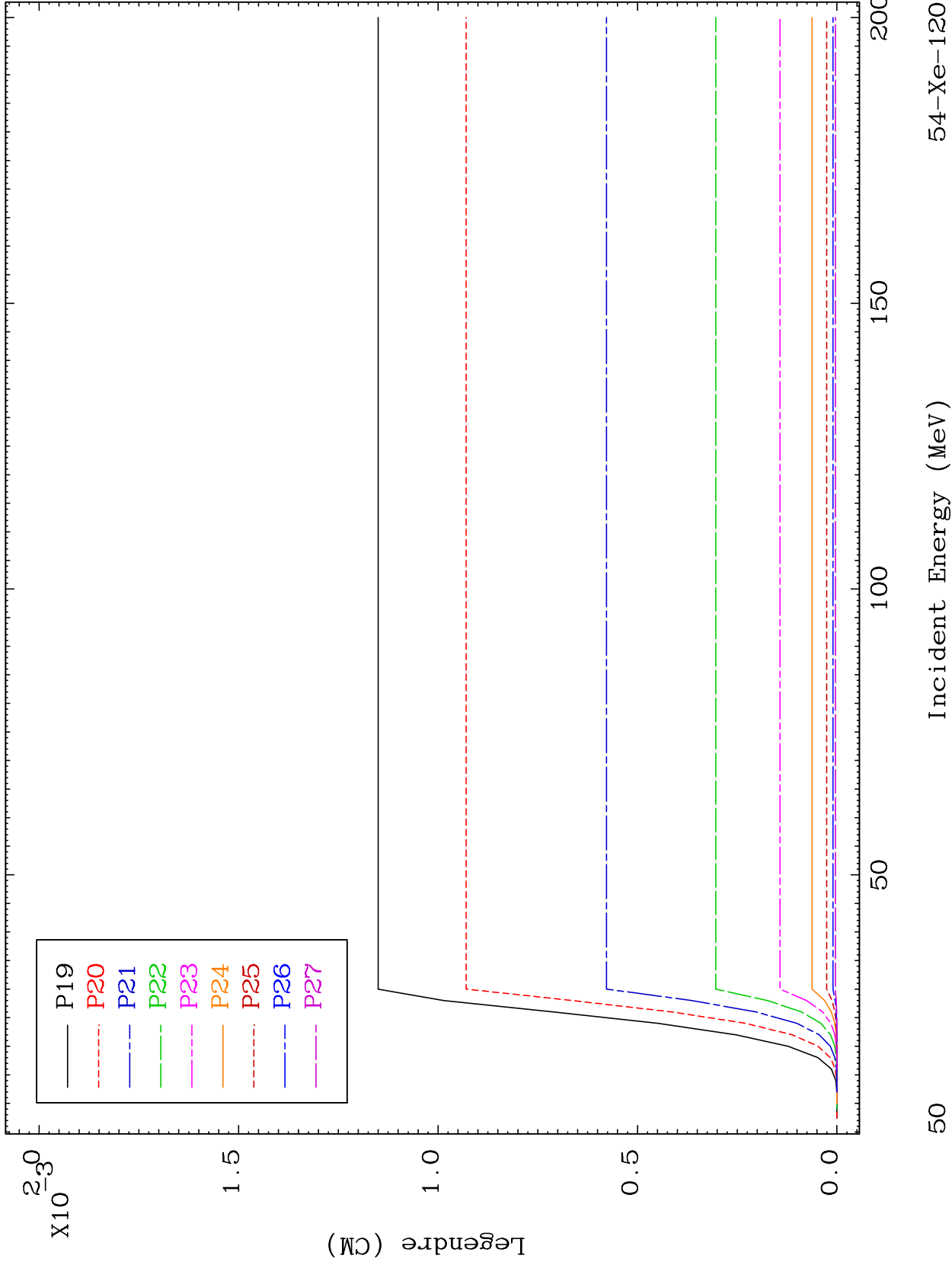
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

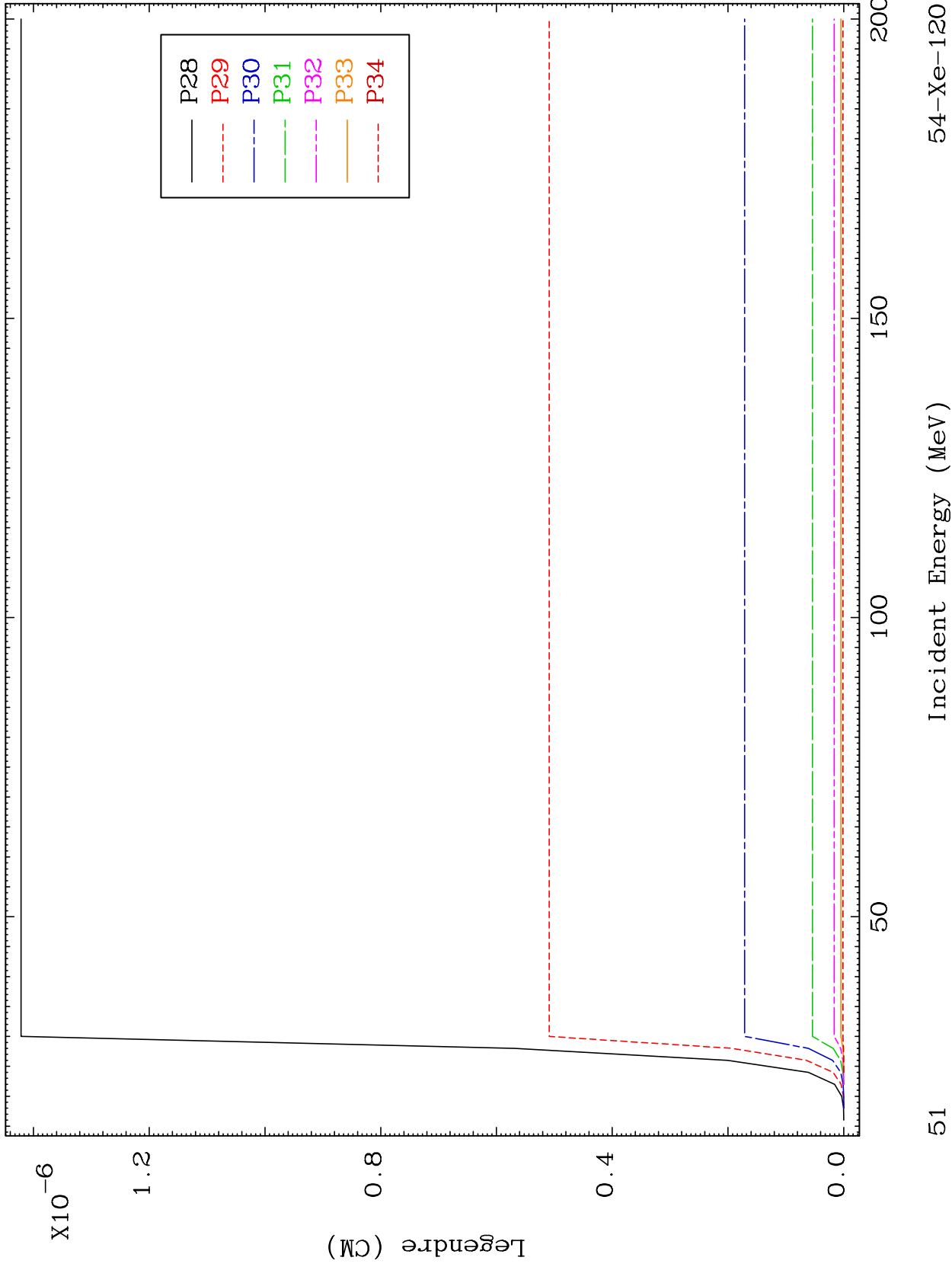
54-Xe-120



MAT 5413

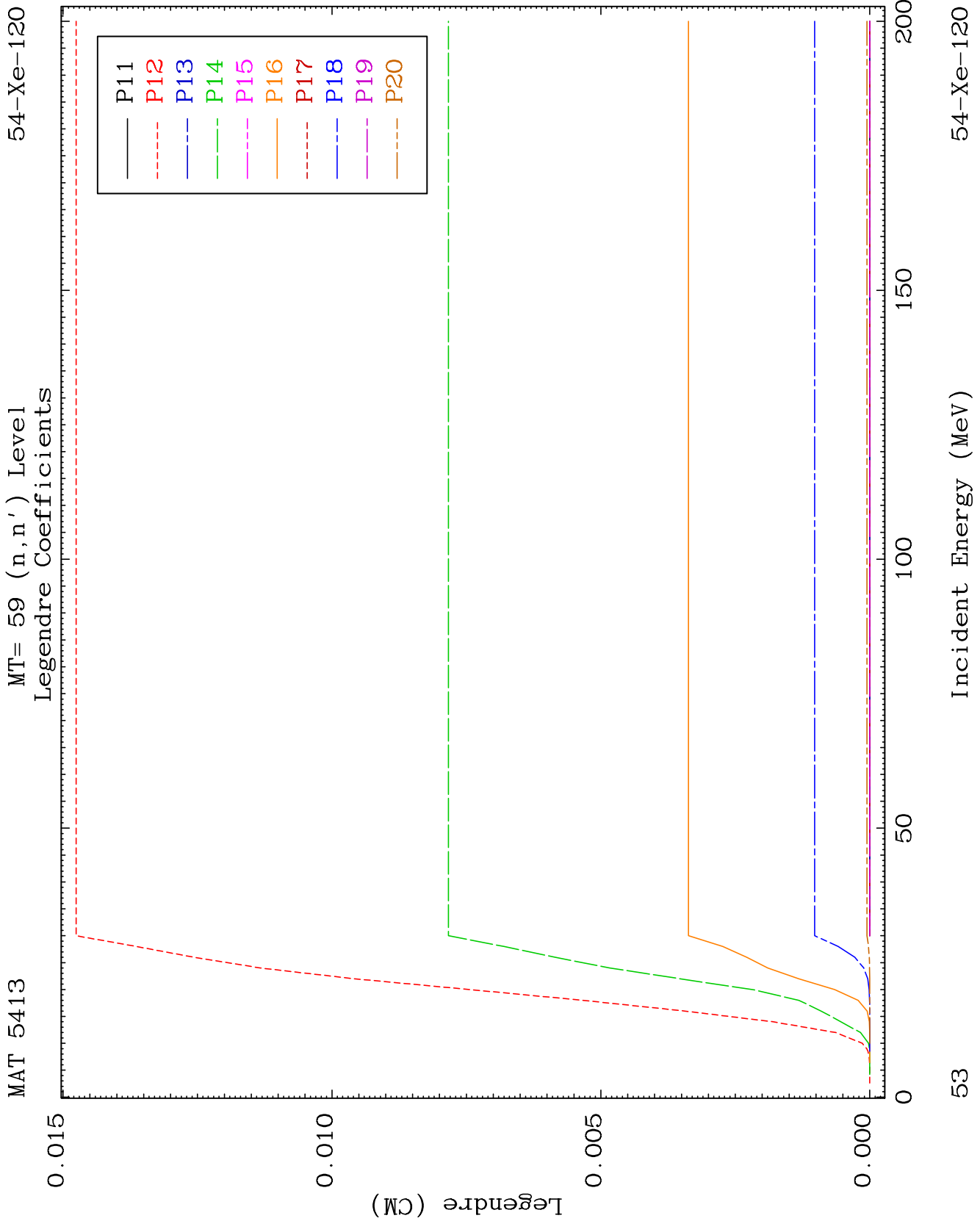
MT= 58 (n,n') Level  
Legendre Coefficients

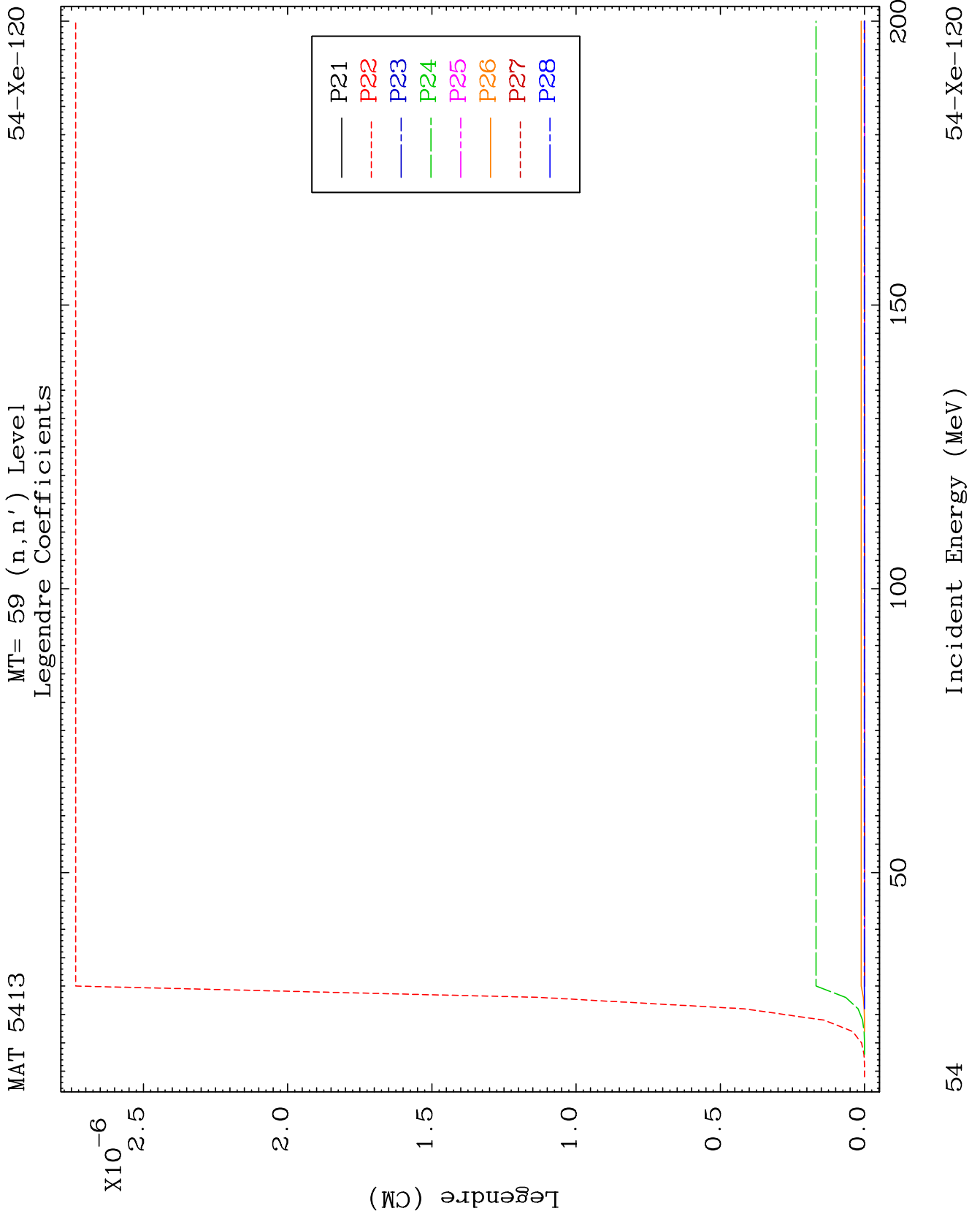
54-Xe-120



51



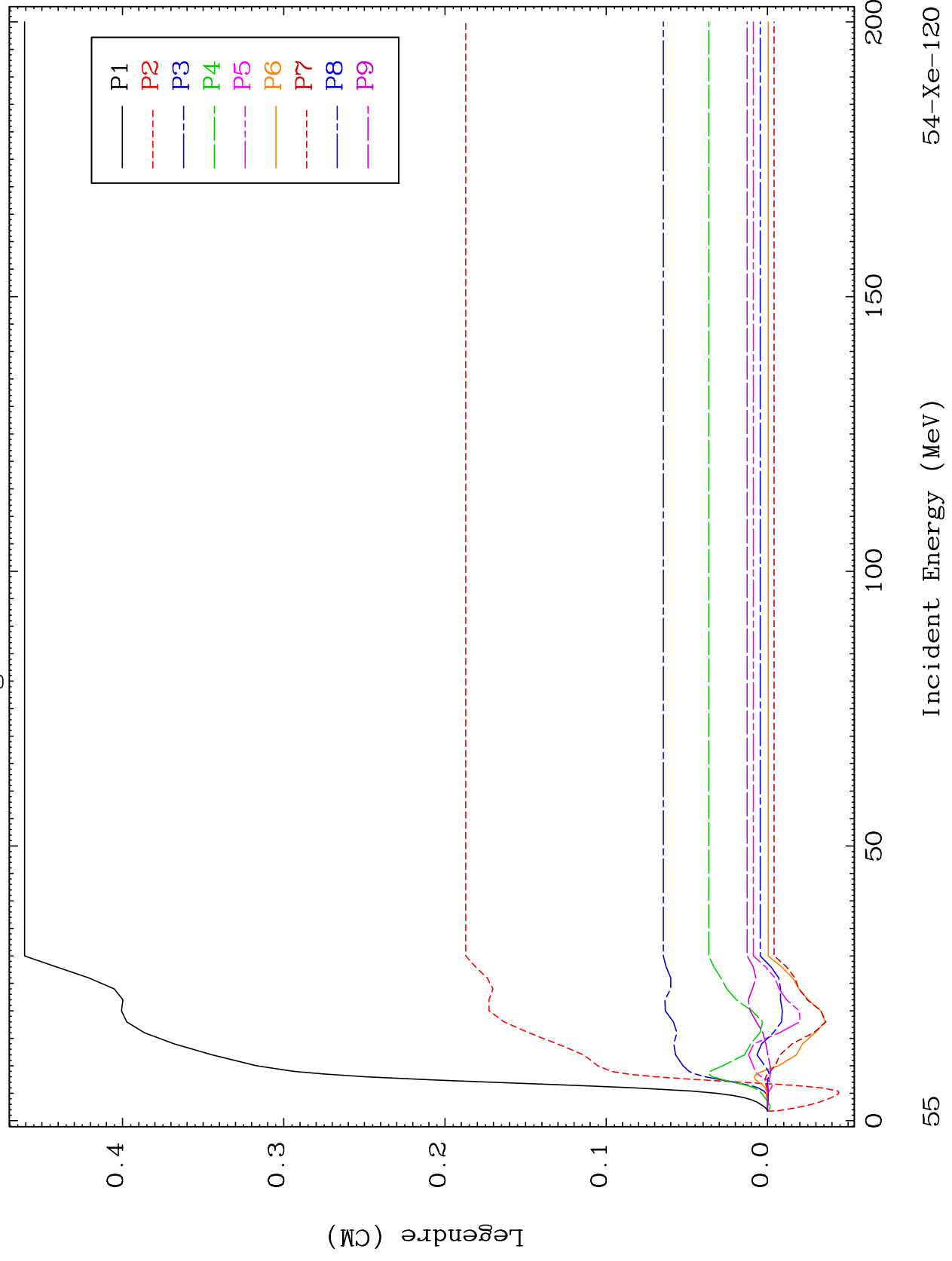




MAT 5413

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

54-Xe-120



54-Xe-120

Incident Energy (MeV)

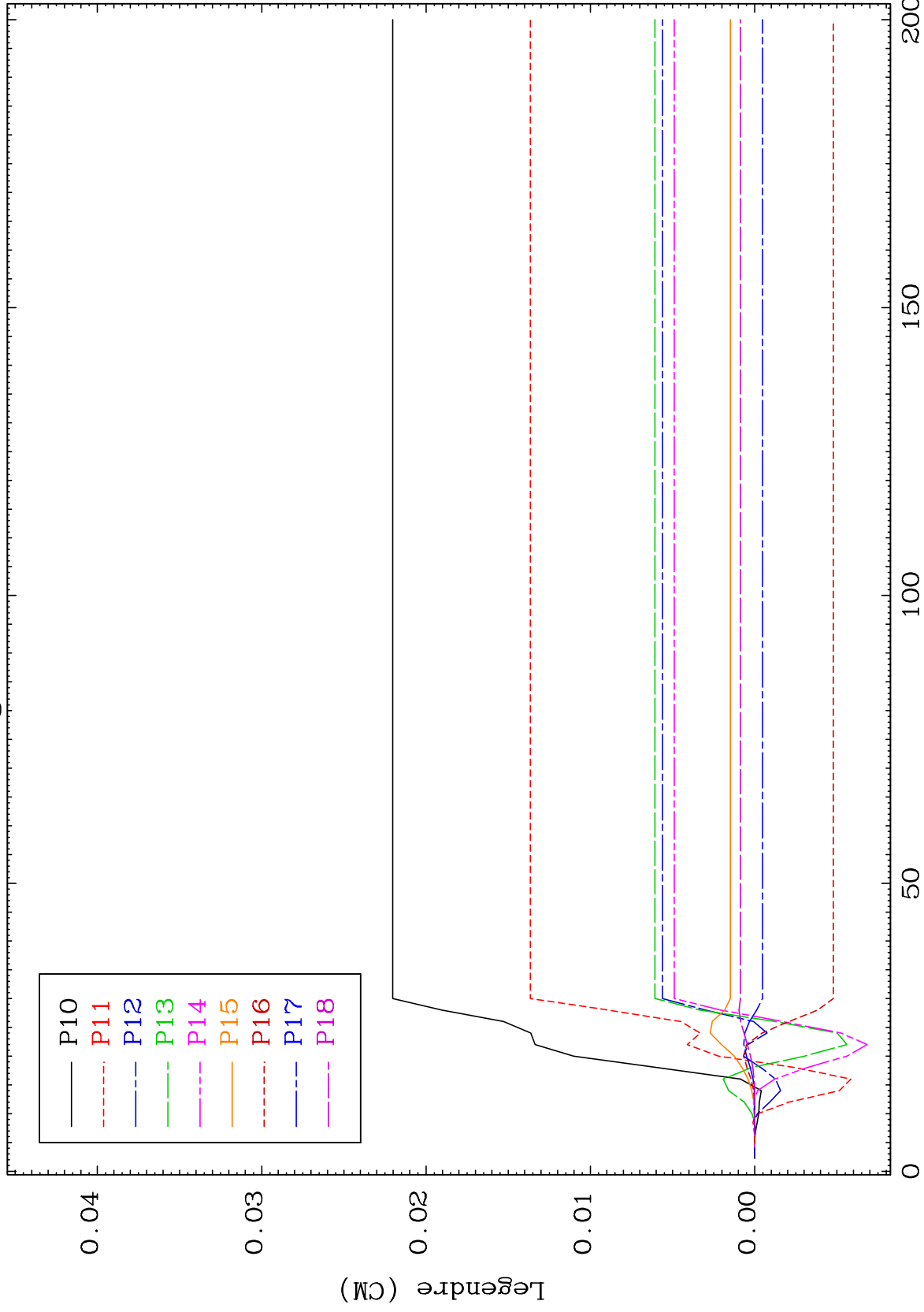
55



MAT 5413

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

54-Xe-120



56

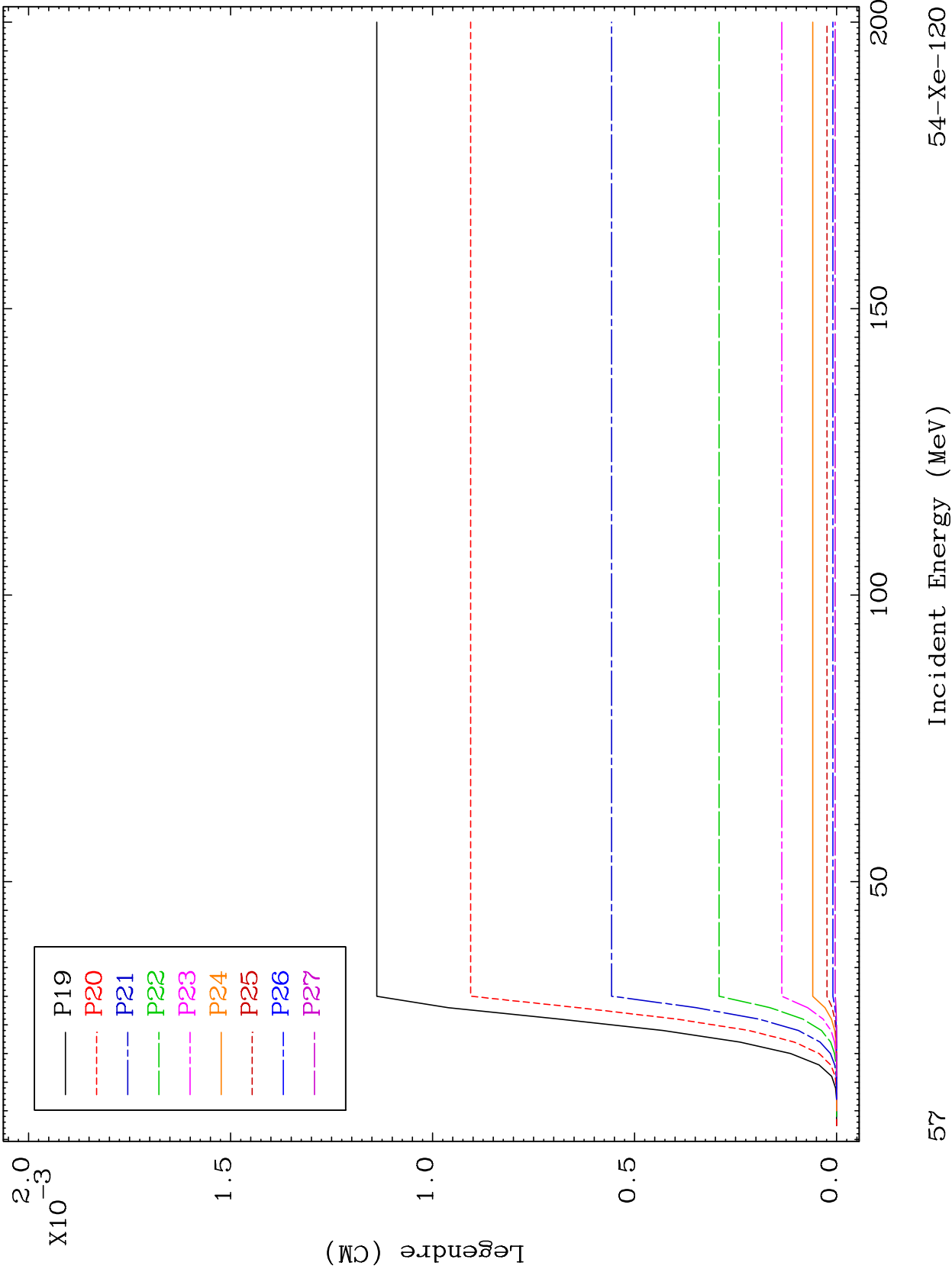
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

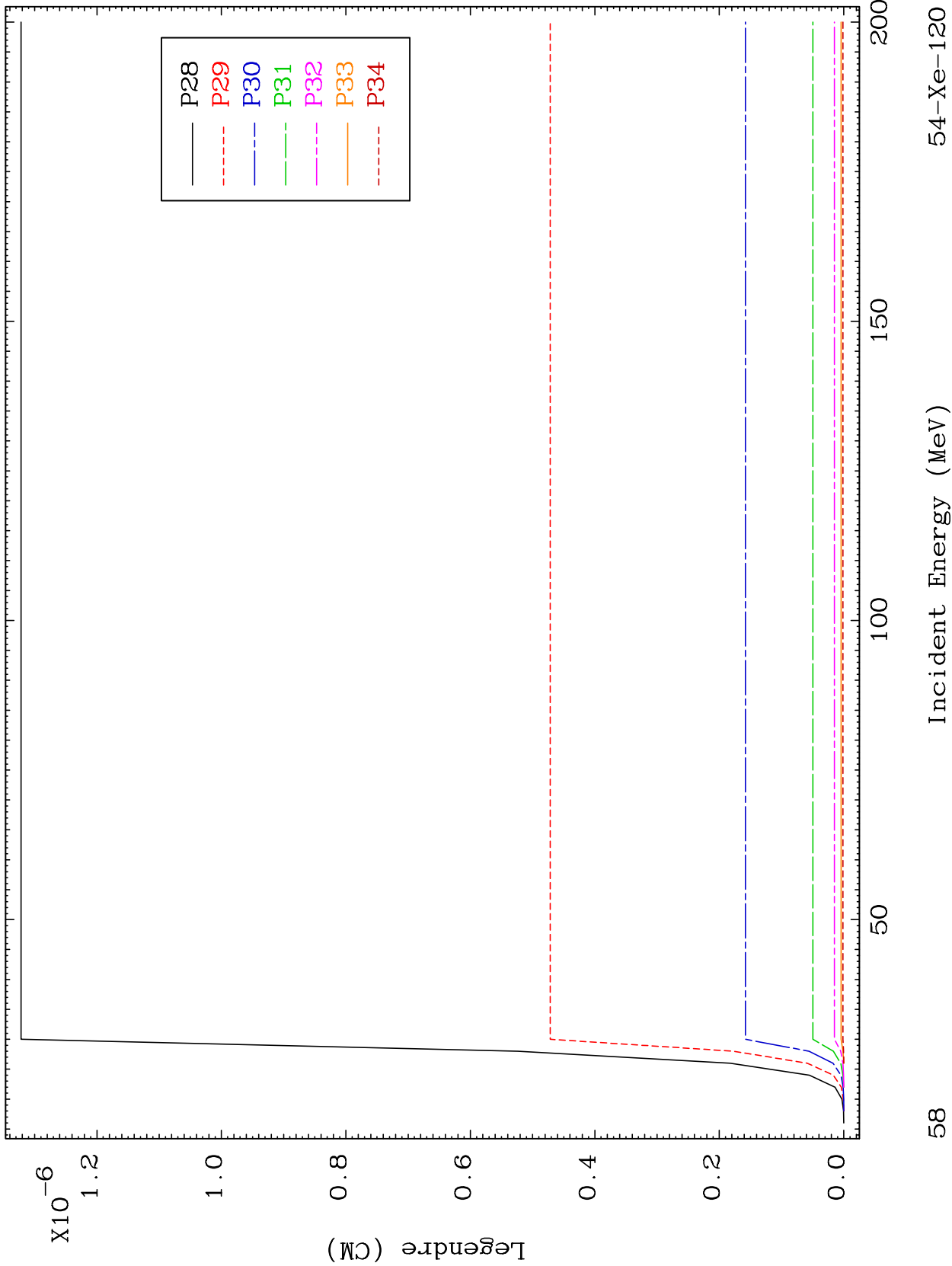
54-Xe-120



MAT 5413

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

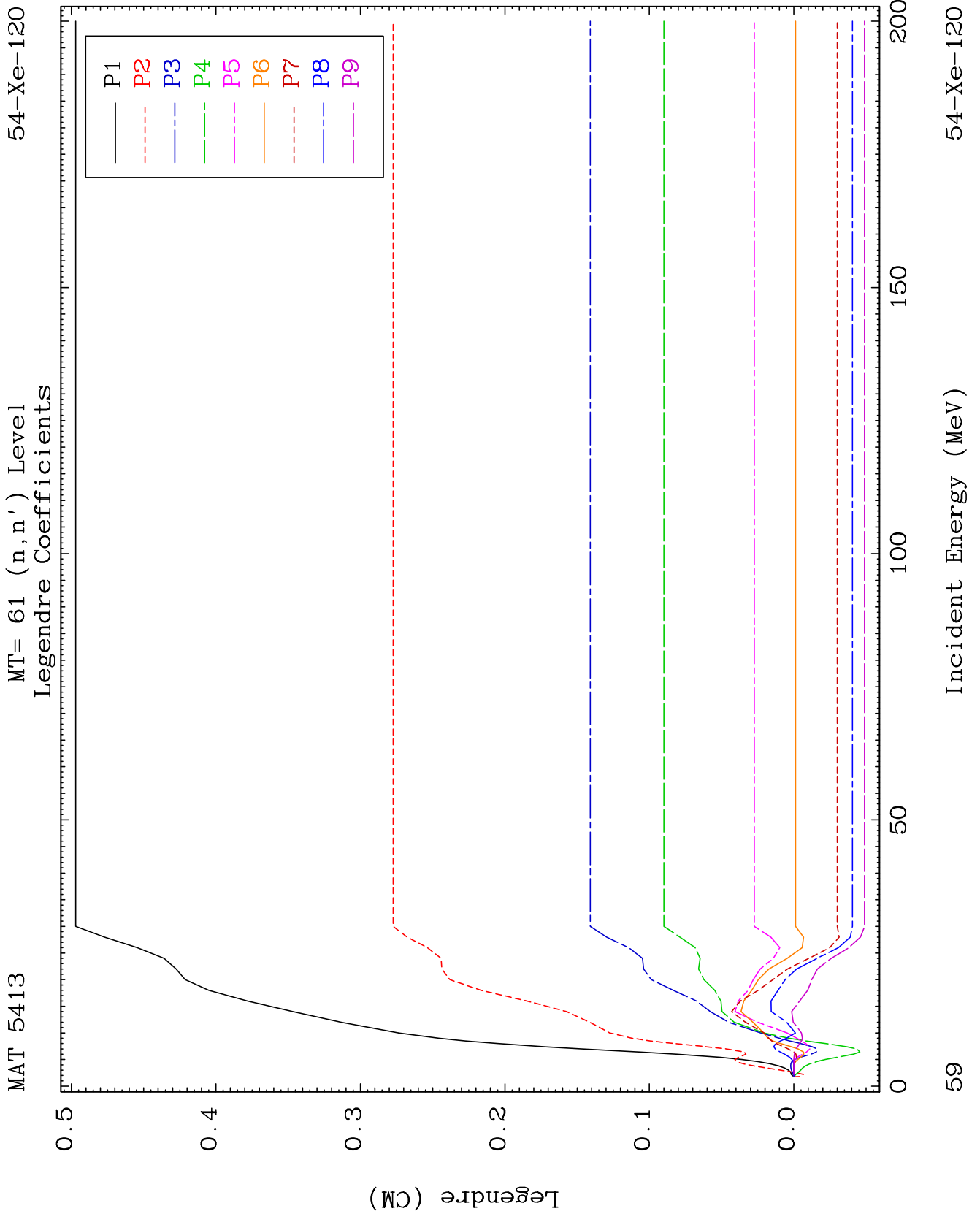
54-Xe-120

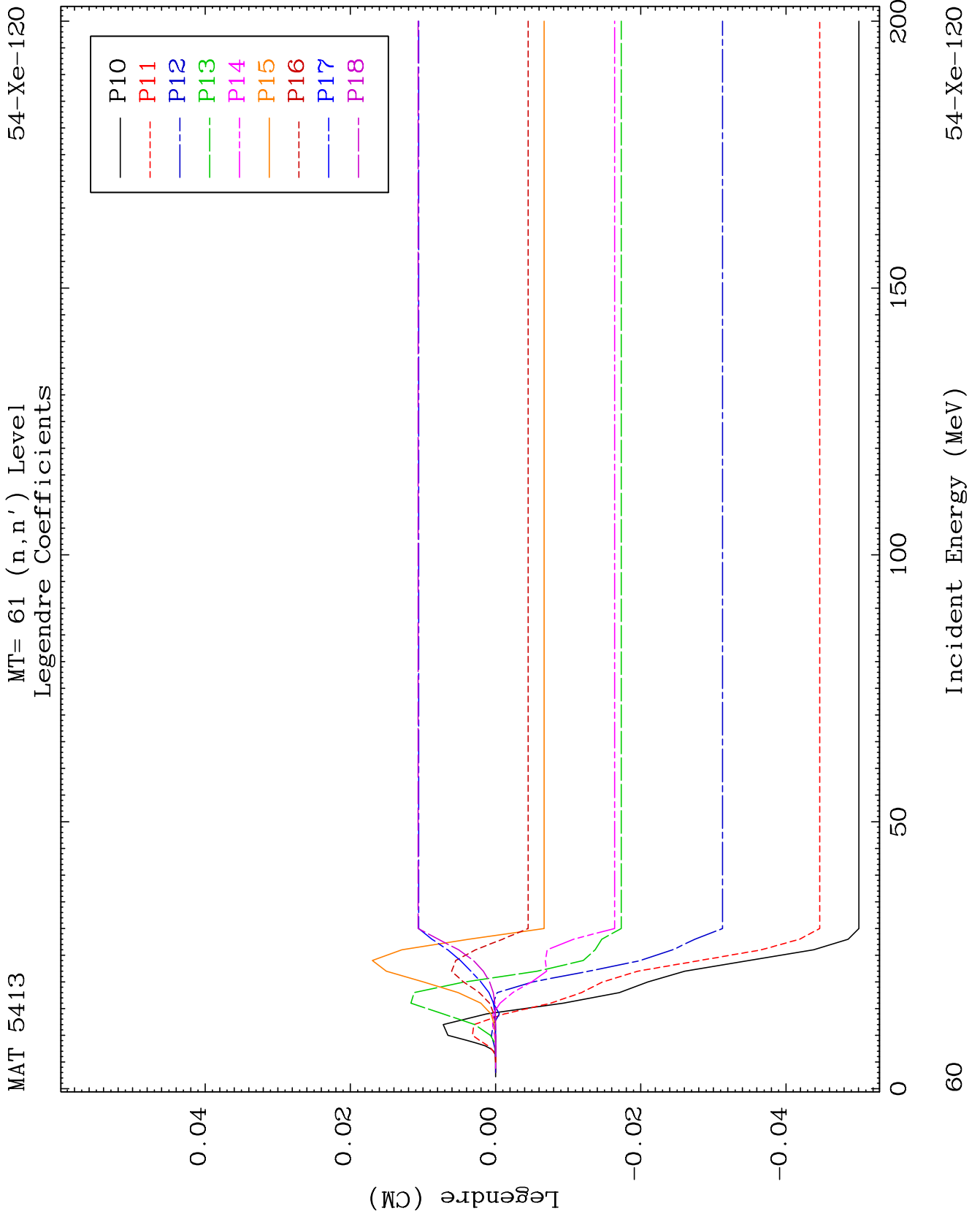


58

Incident Energy (MeV)

54-Xe-120

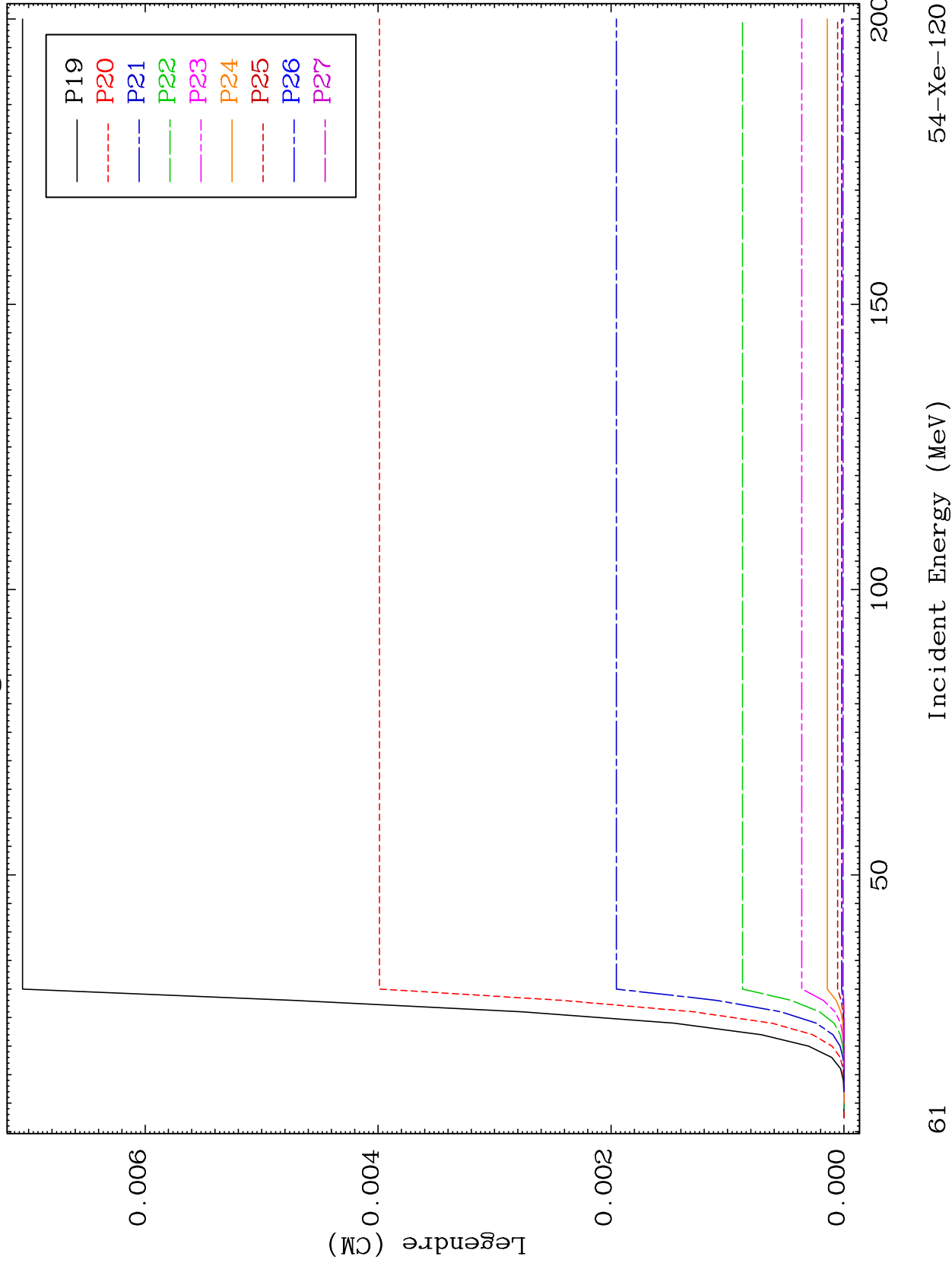




MAT 5413

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

54-Xe-120



61

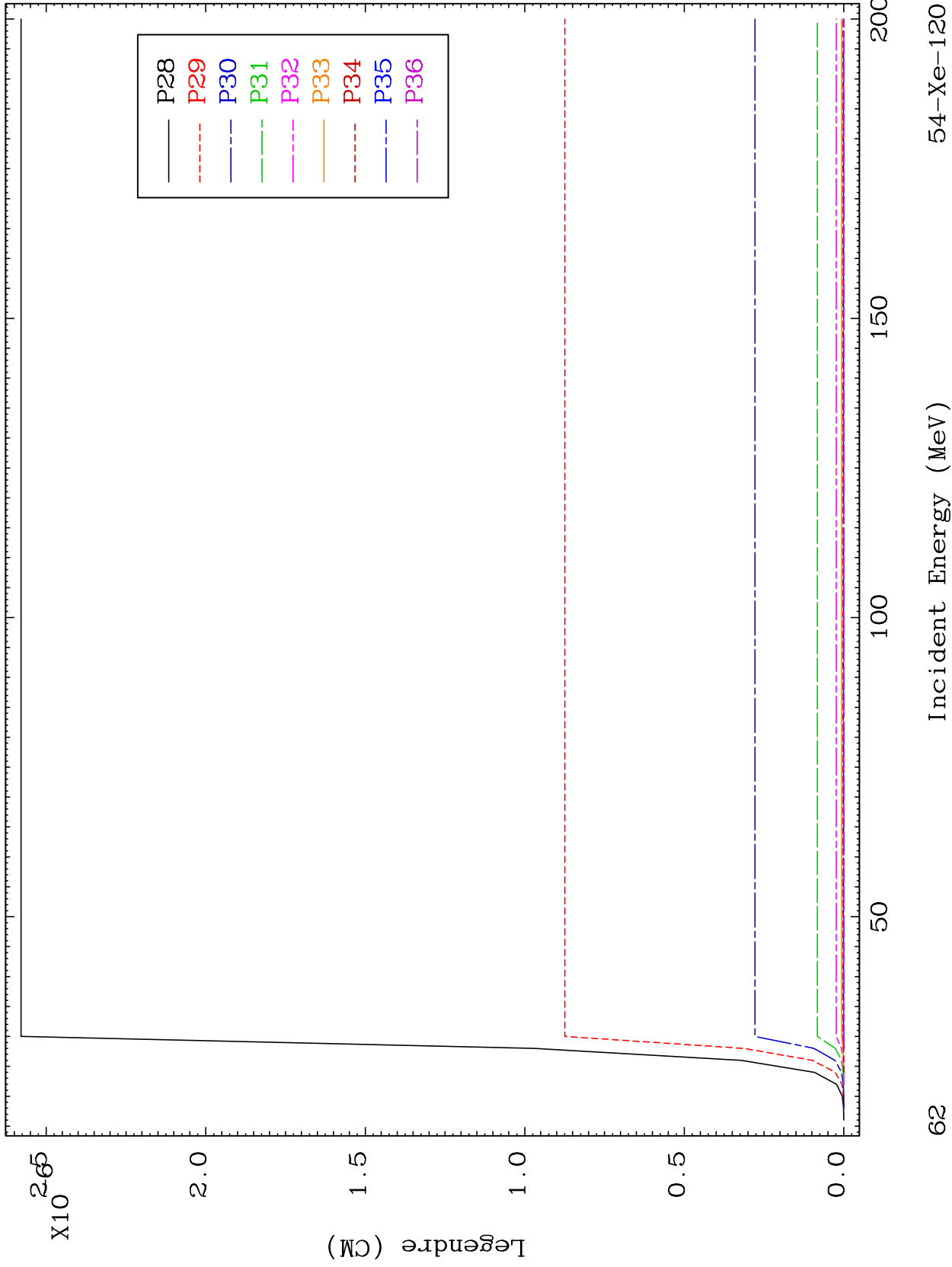
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

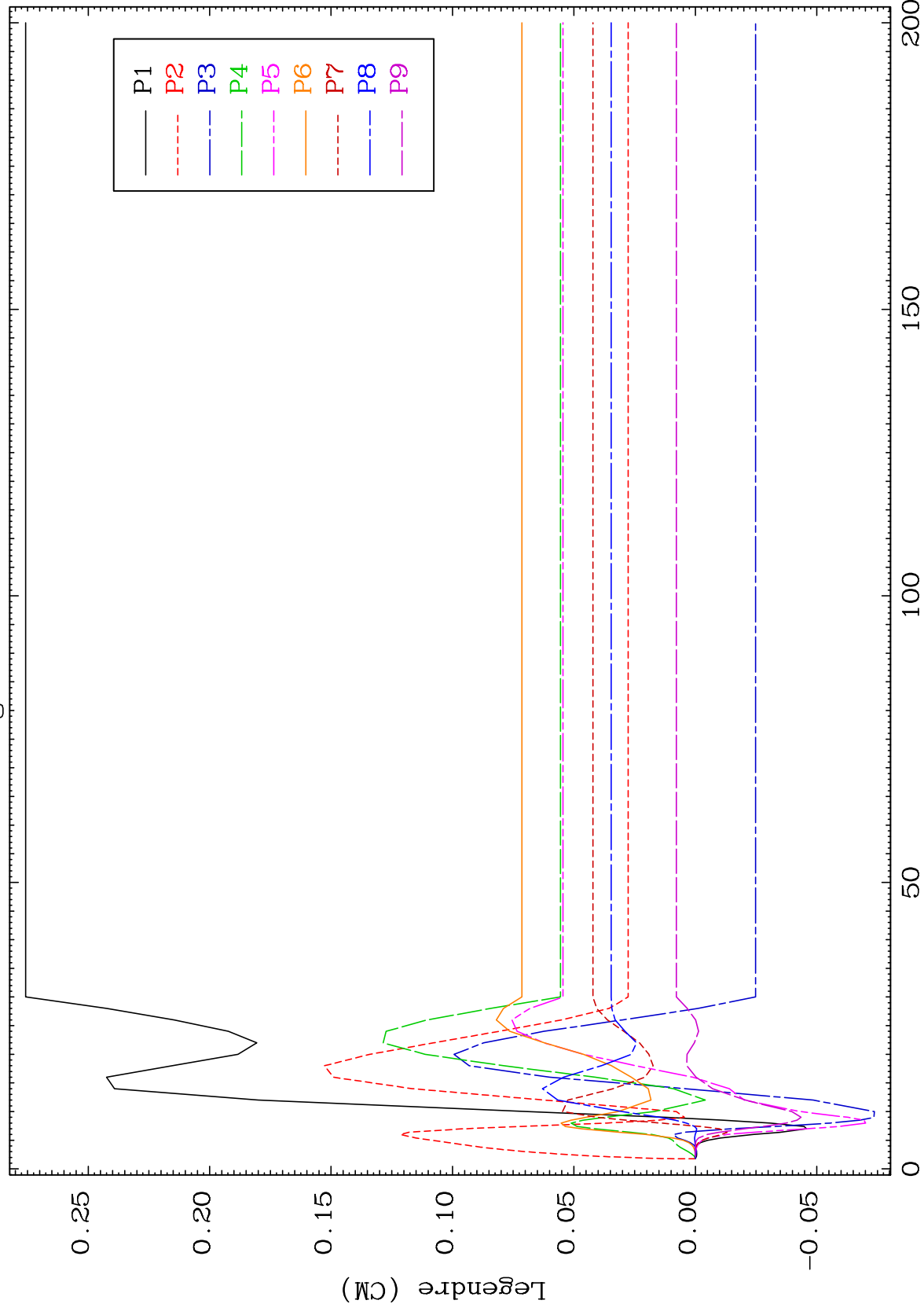
54-Xe-120



MAT 5413

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

54-Xe-120



63

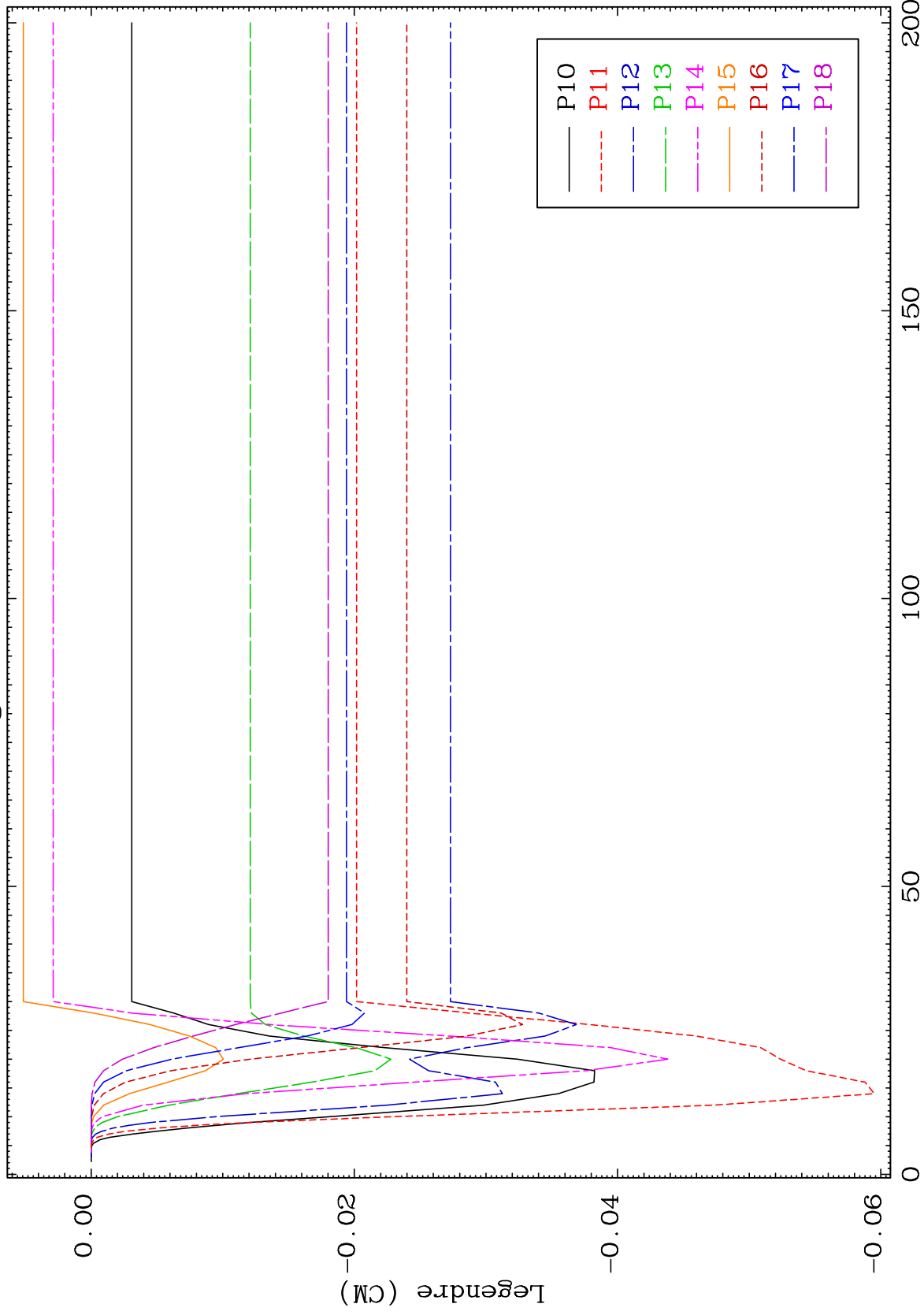
54-Xe-120



MAT 5413

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

54-Xe-120



64

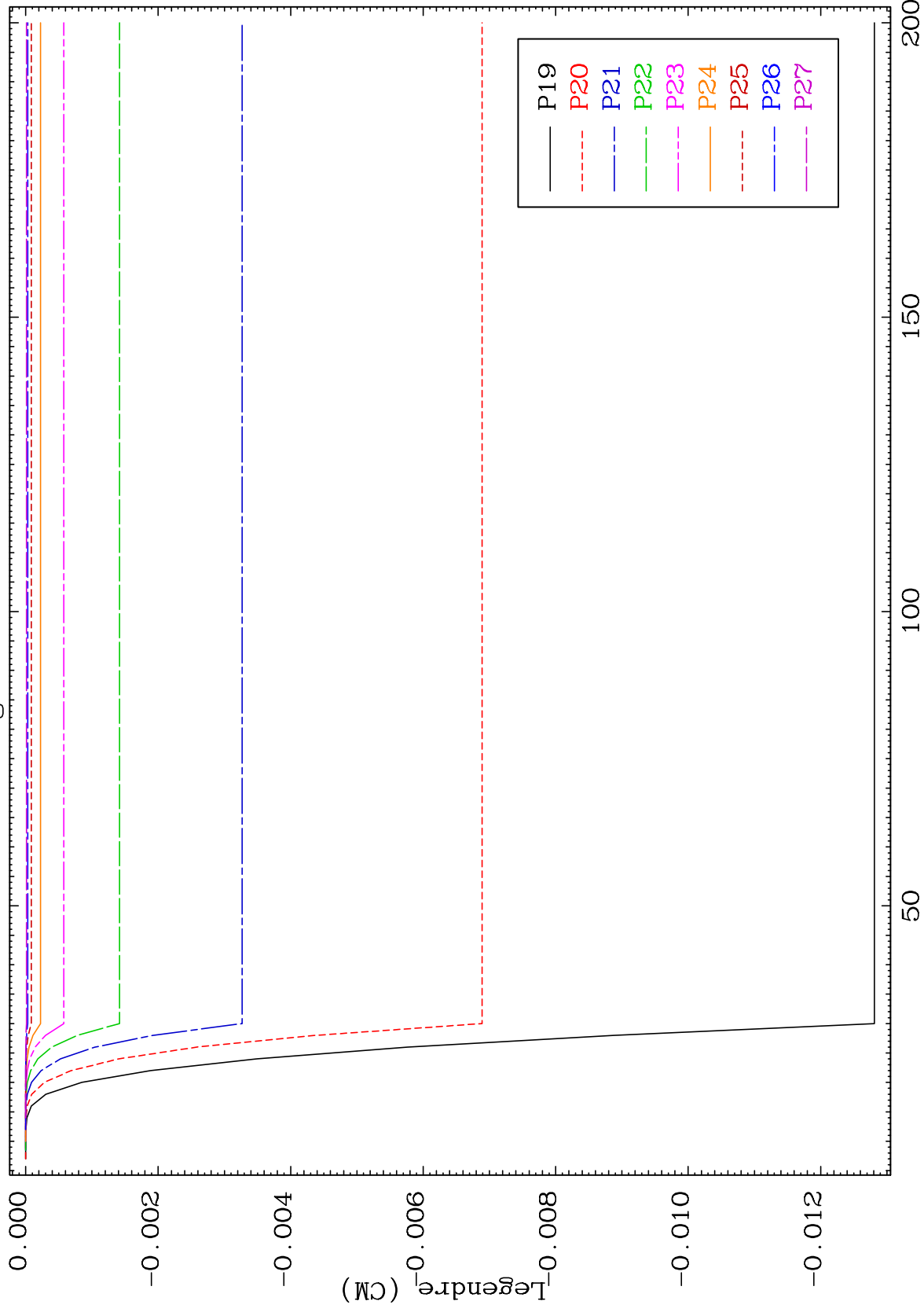
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

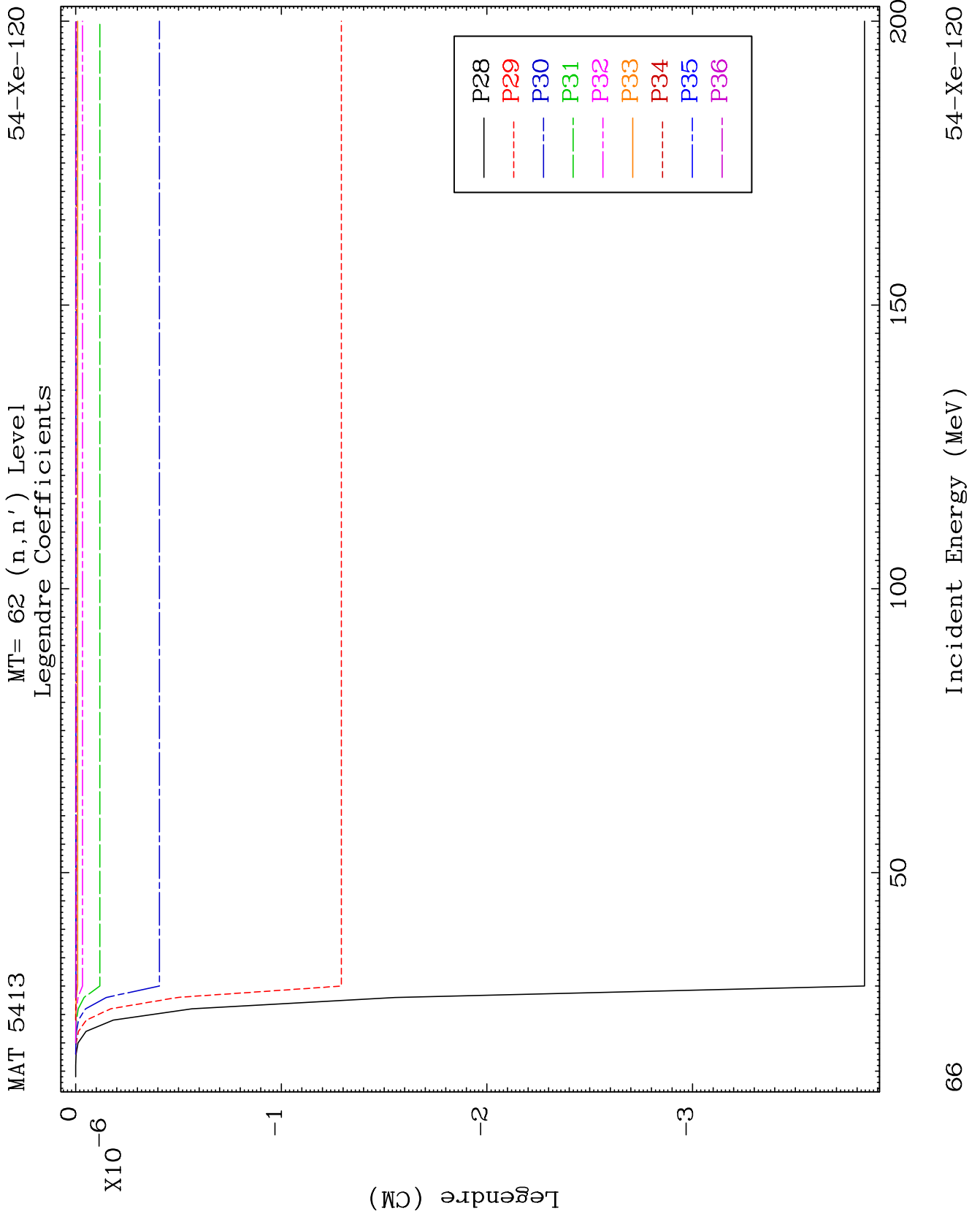
54-Xe-120



65

Incident Energy (MeV)

54-Xe-120



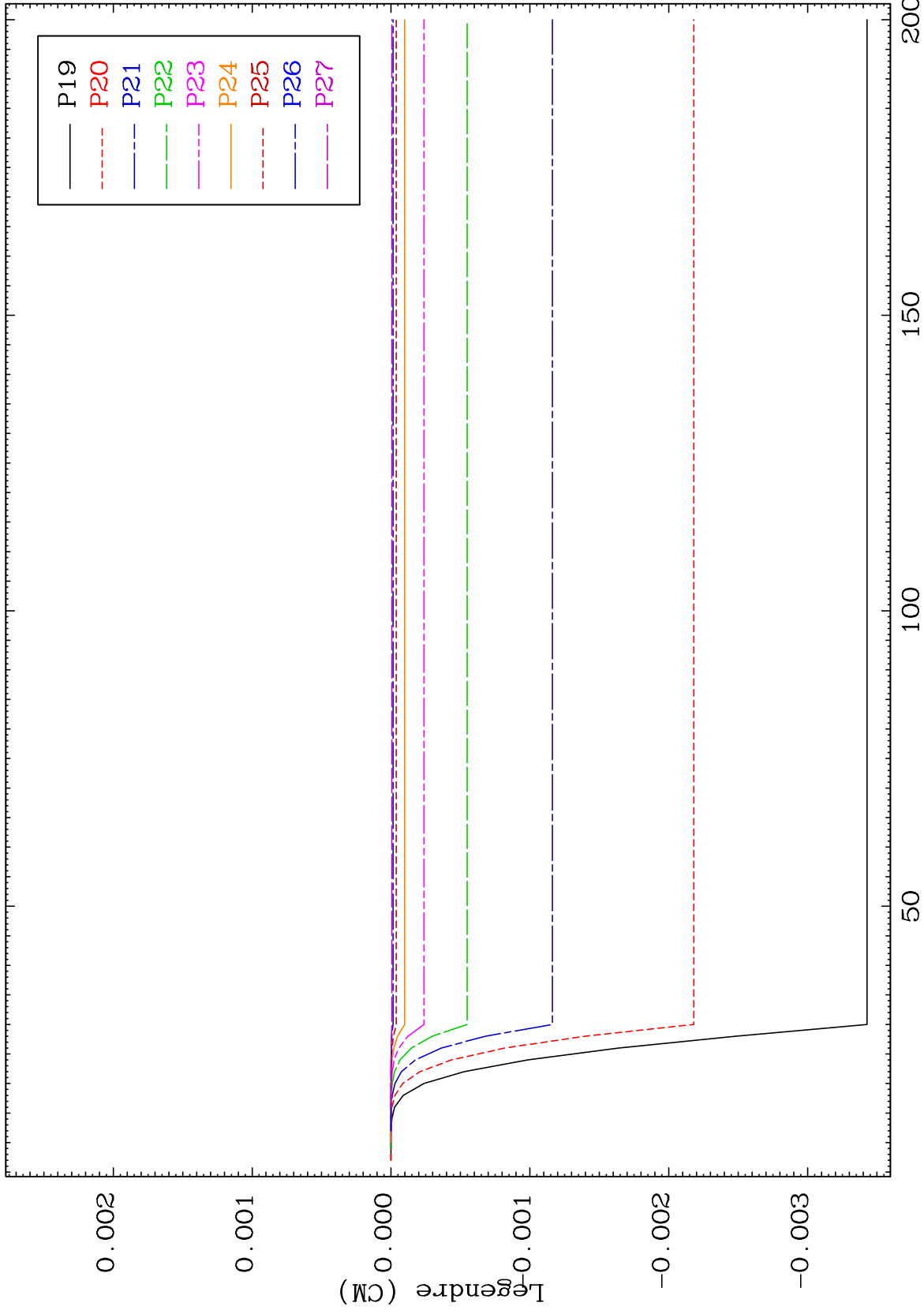




MAT 5413

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

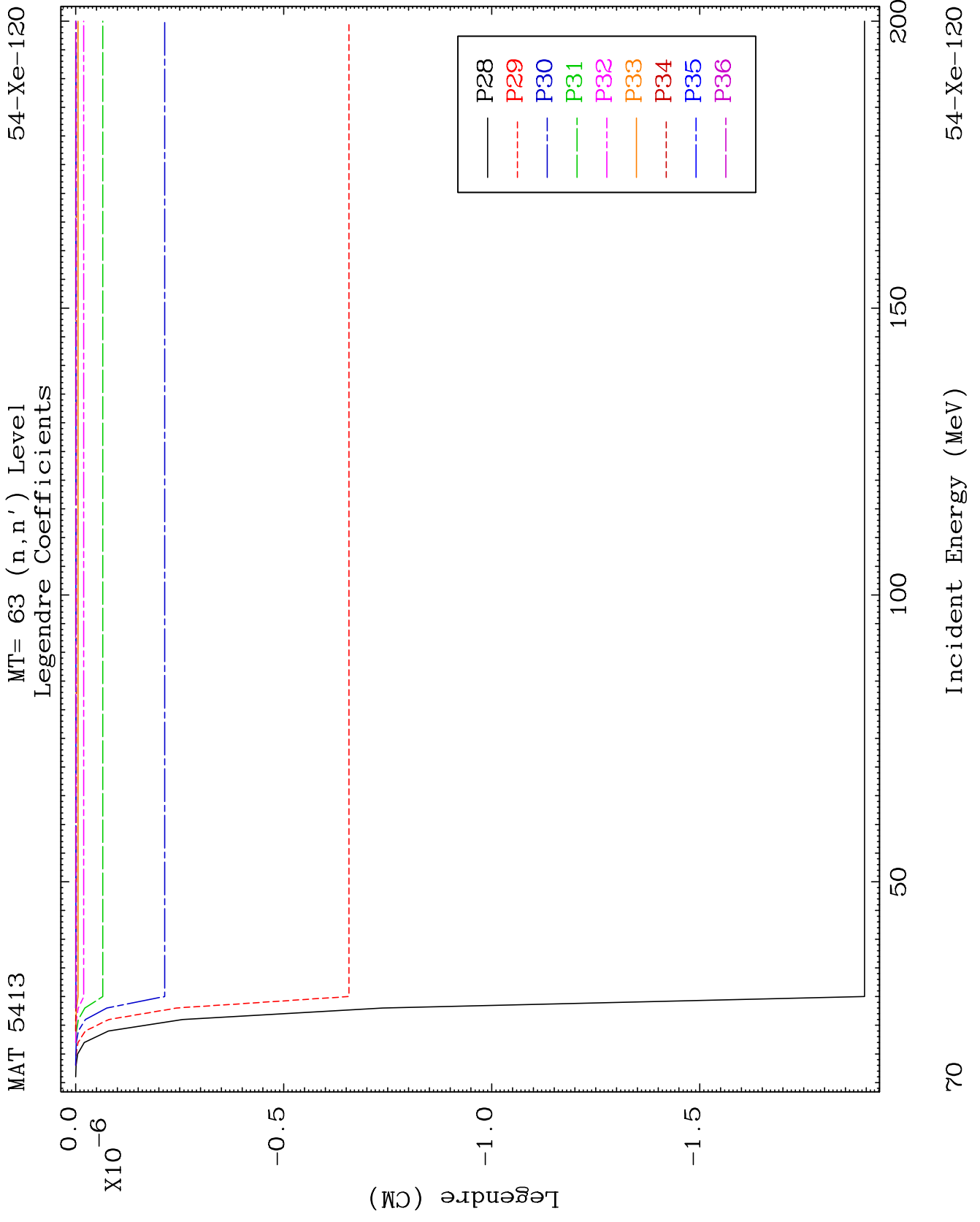
54-Xe-120



69

Incident Energy (MeV)

54-Xe-120



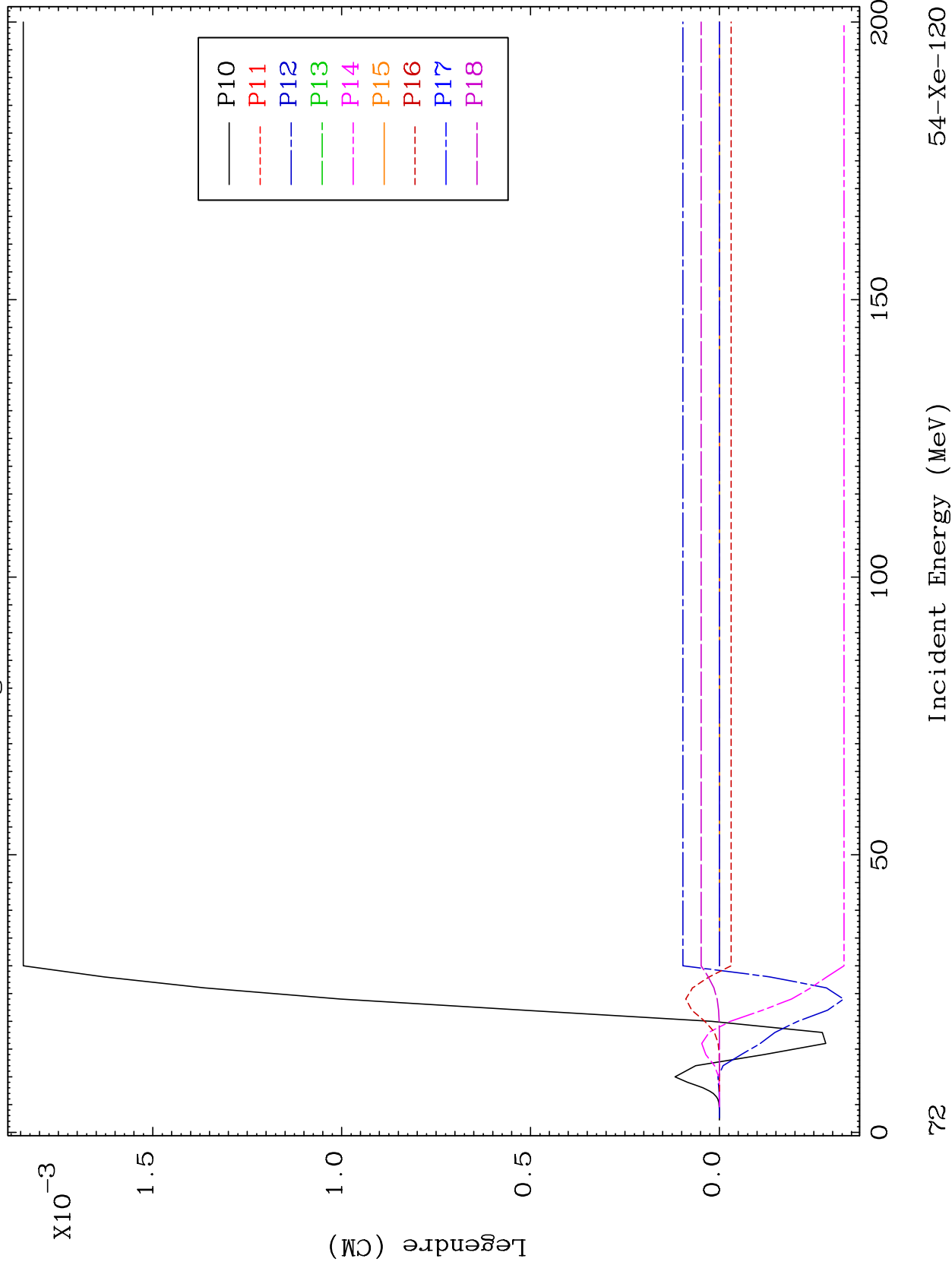




MAT 5413

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

54-Xe-120

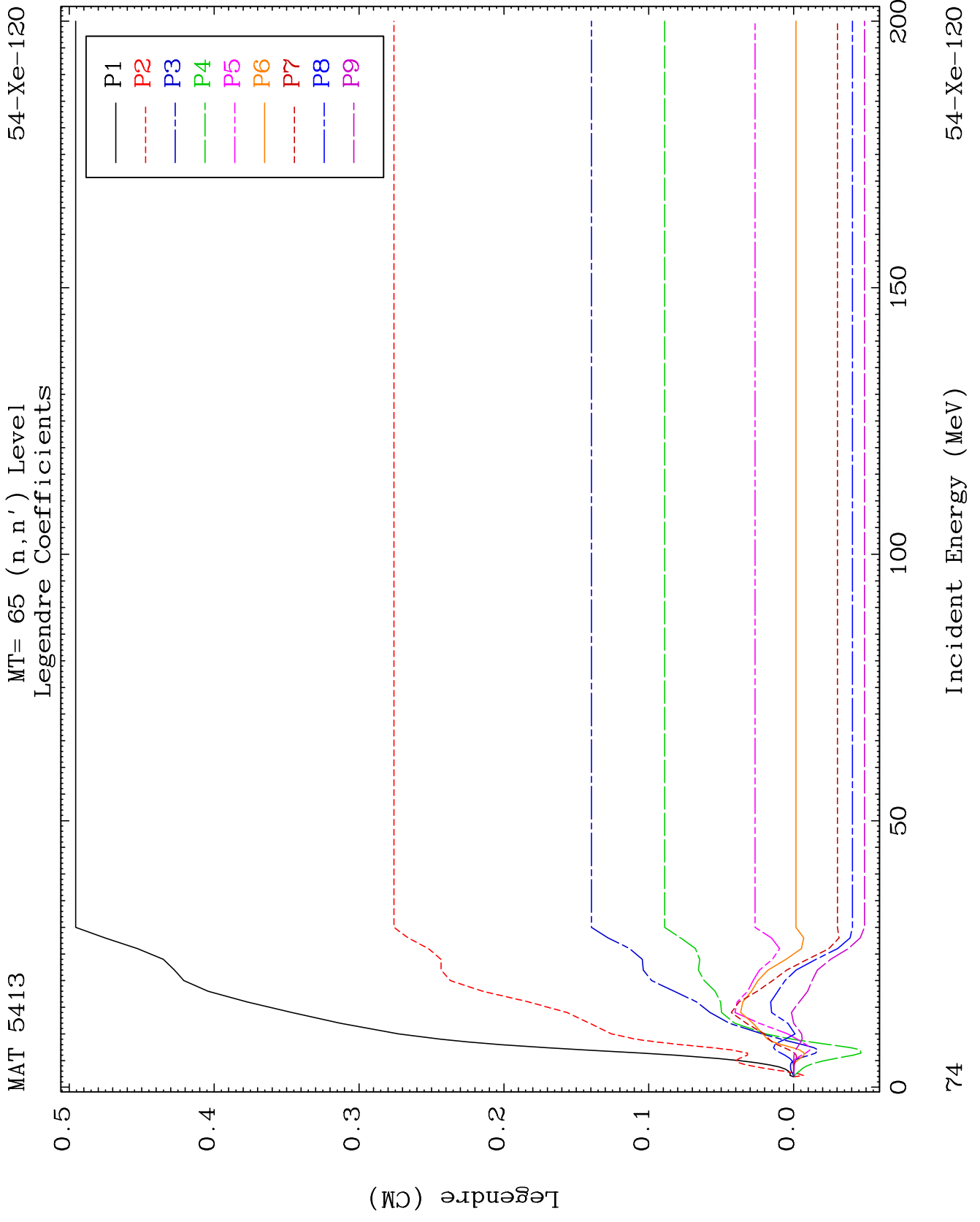


72

Incident Energy (MeV)

54-Xe-120

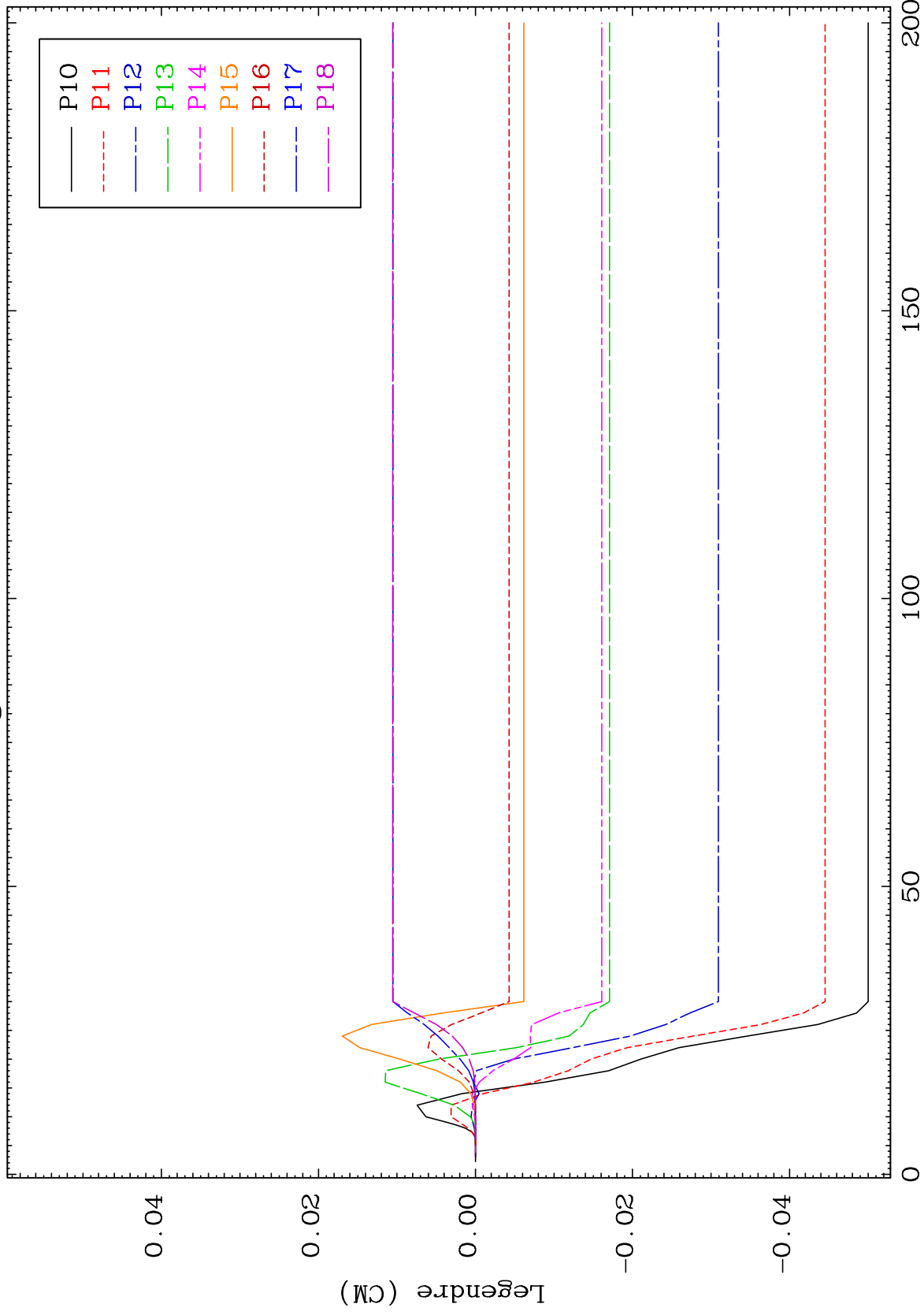




MAT 5413

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

54-Xe-120

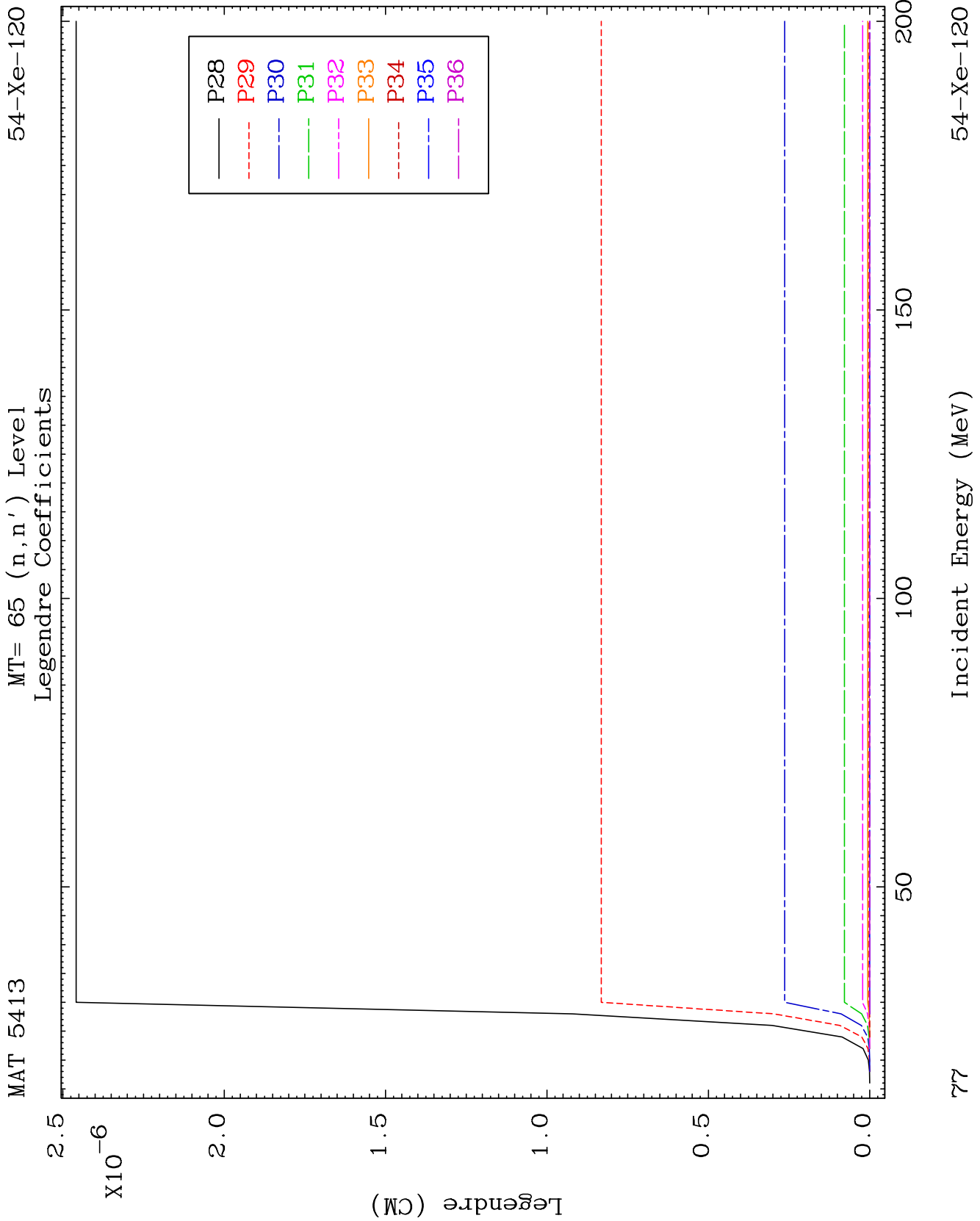


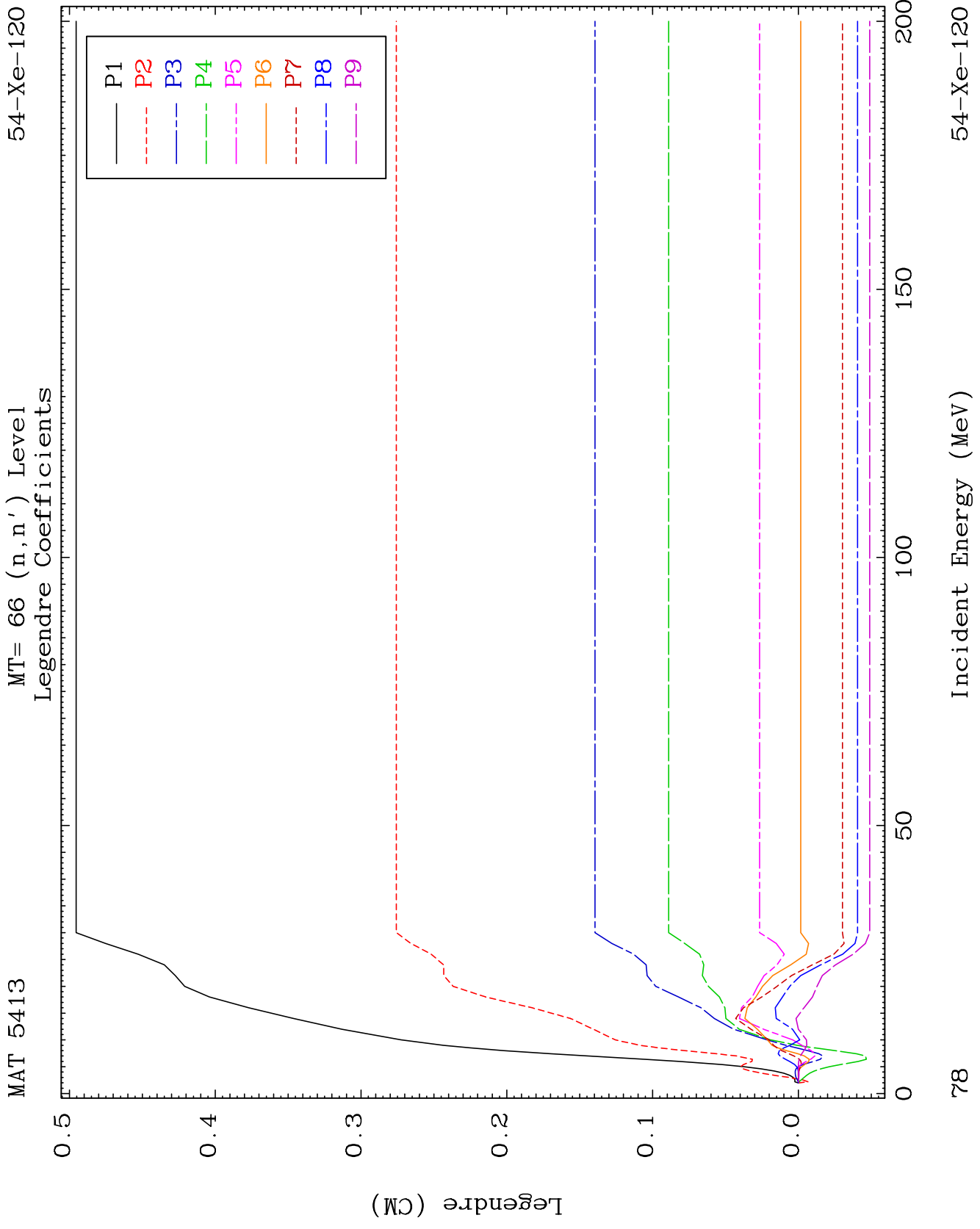
75

Incident Energy (MeV)

54-Xe-120



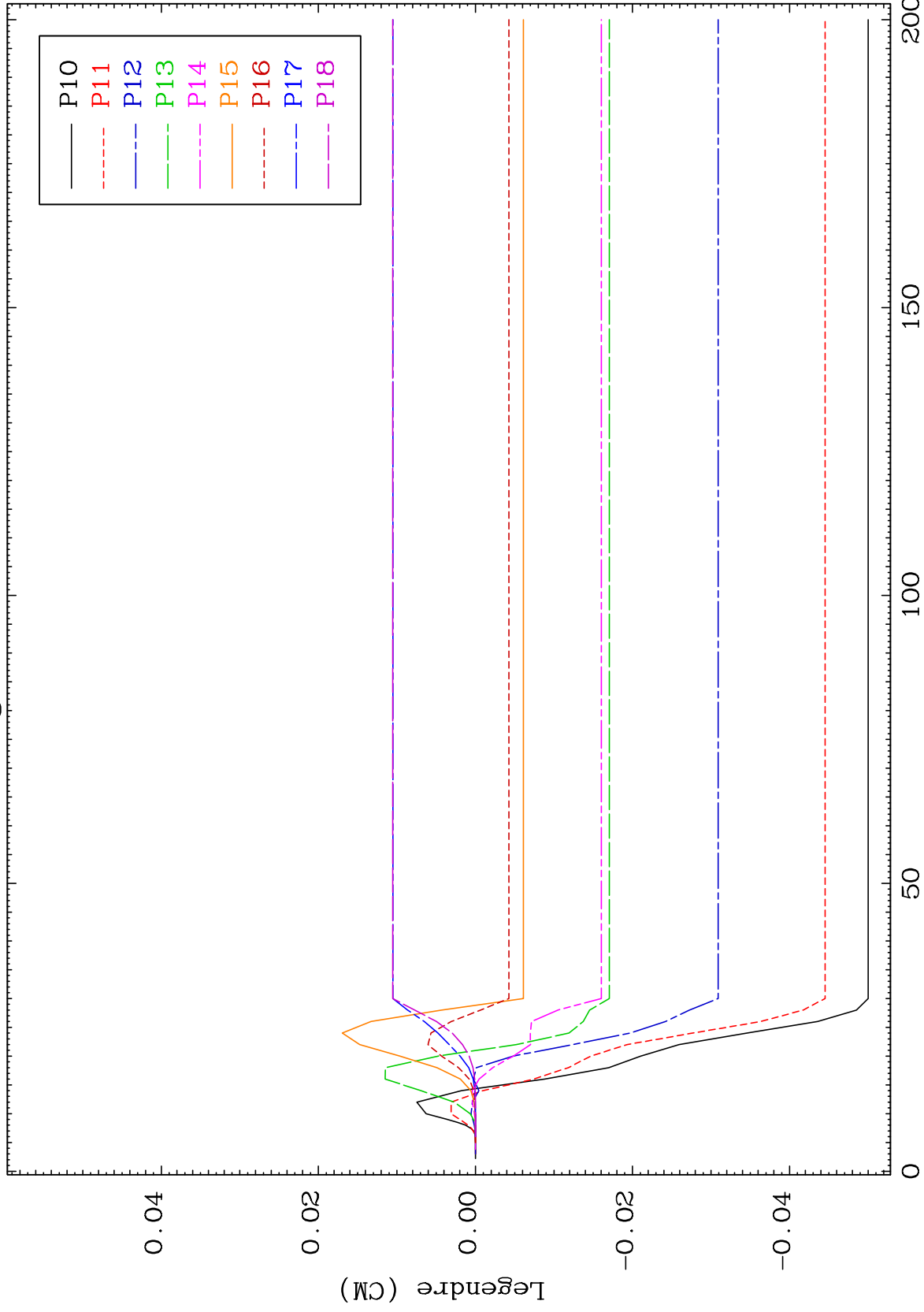




MAT 5413

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

54-Xe-120



79

Incident Energy (MeV)

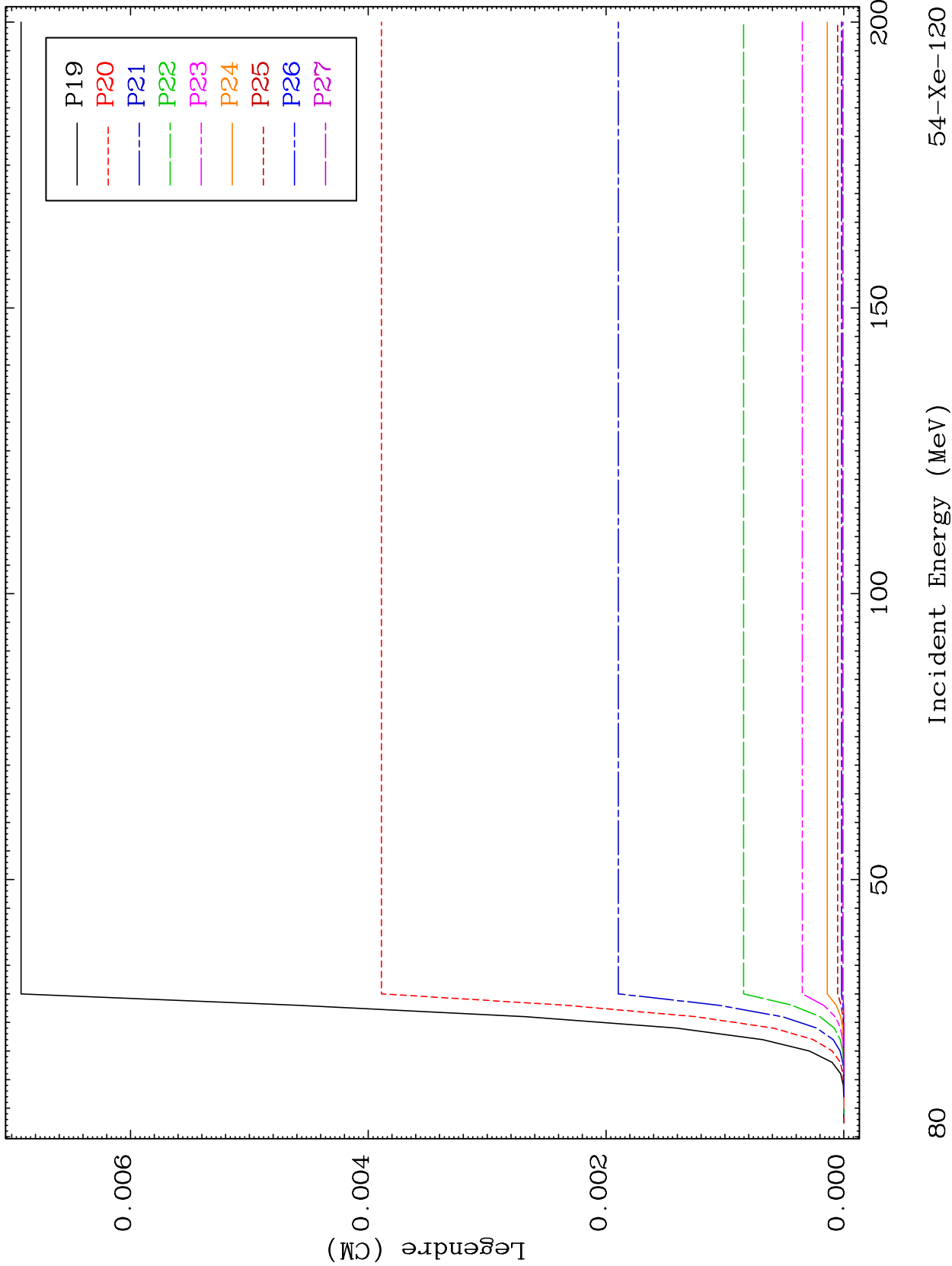
54-Xe-120



MAT 5413

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

54-Xe-120



80

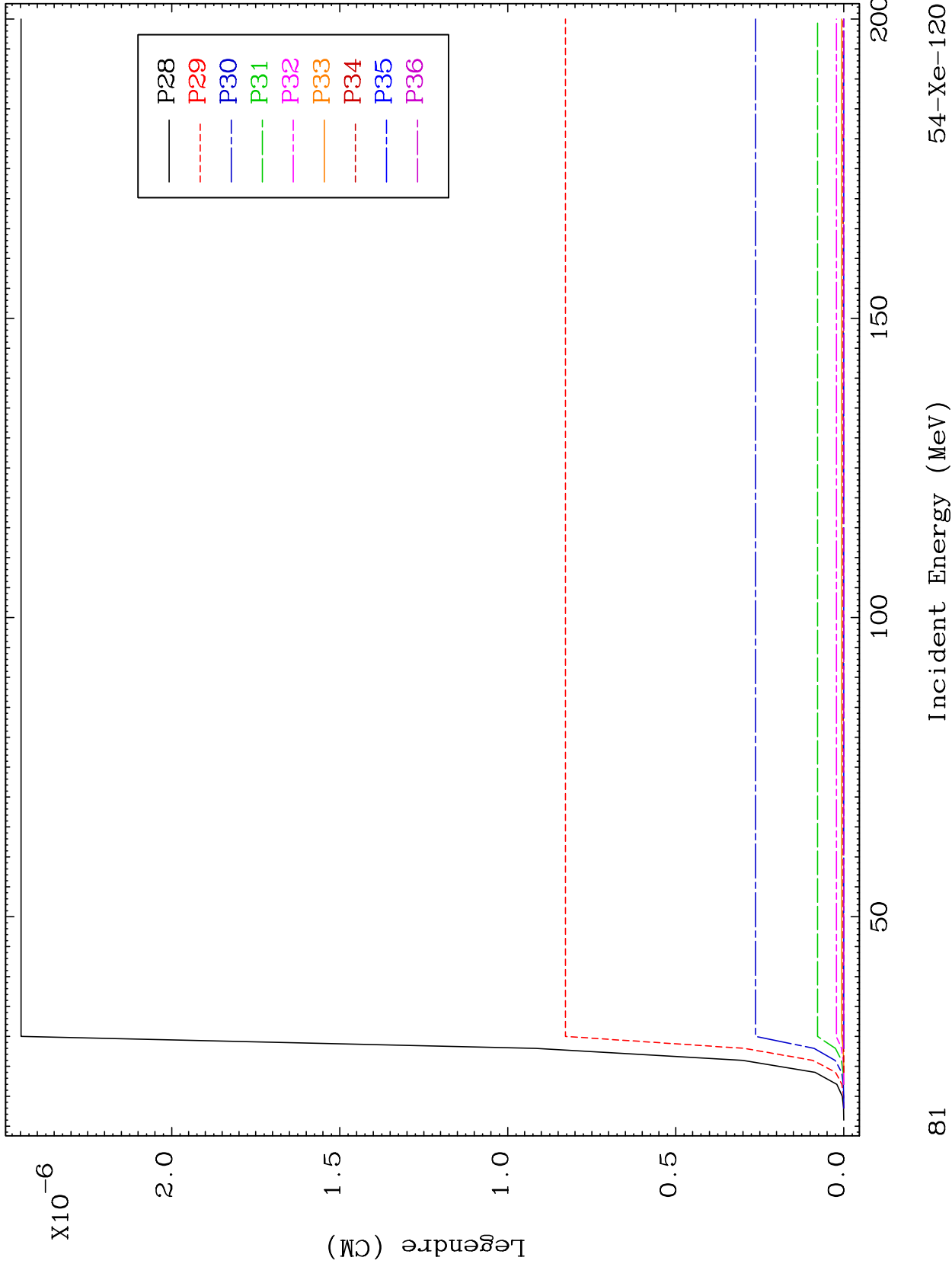
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

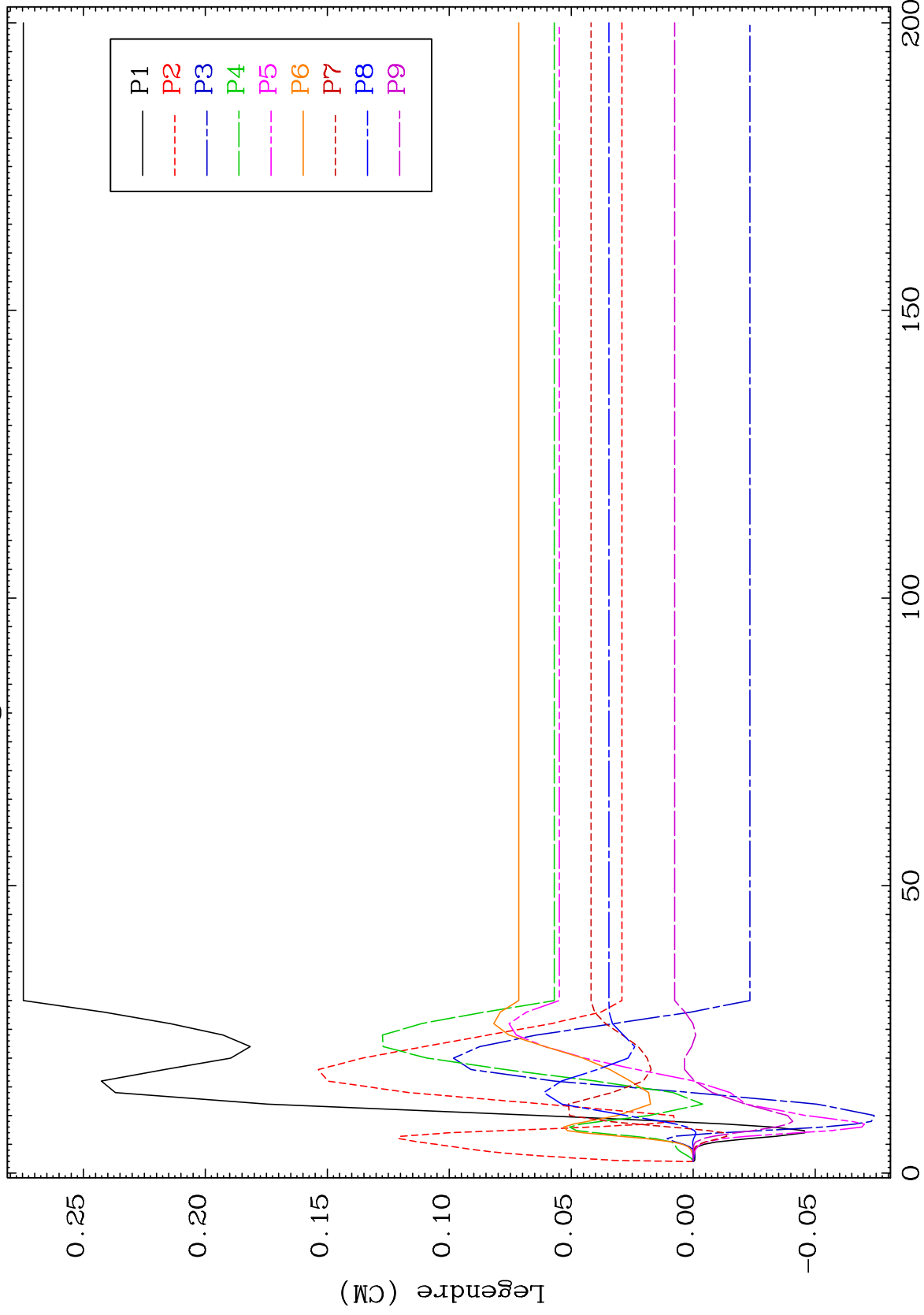
54-Xe-120



MAT 5413

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

54-Xe-120



82

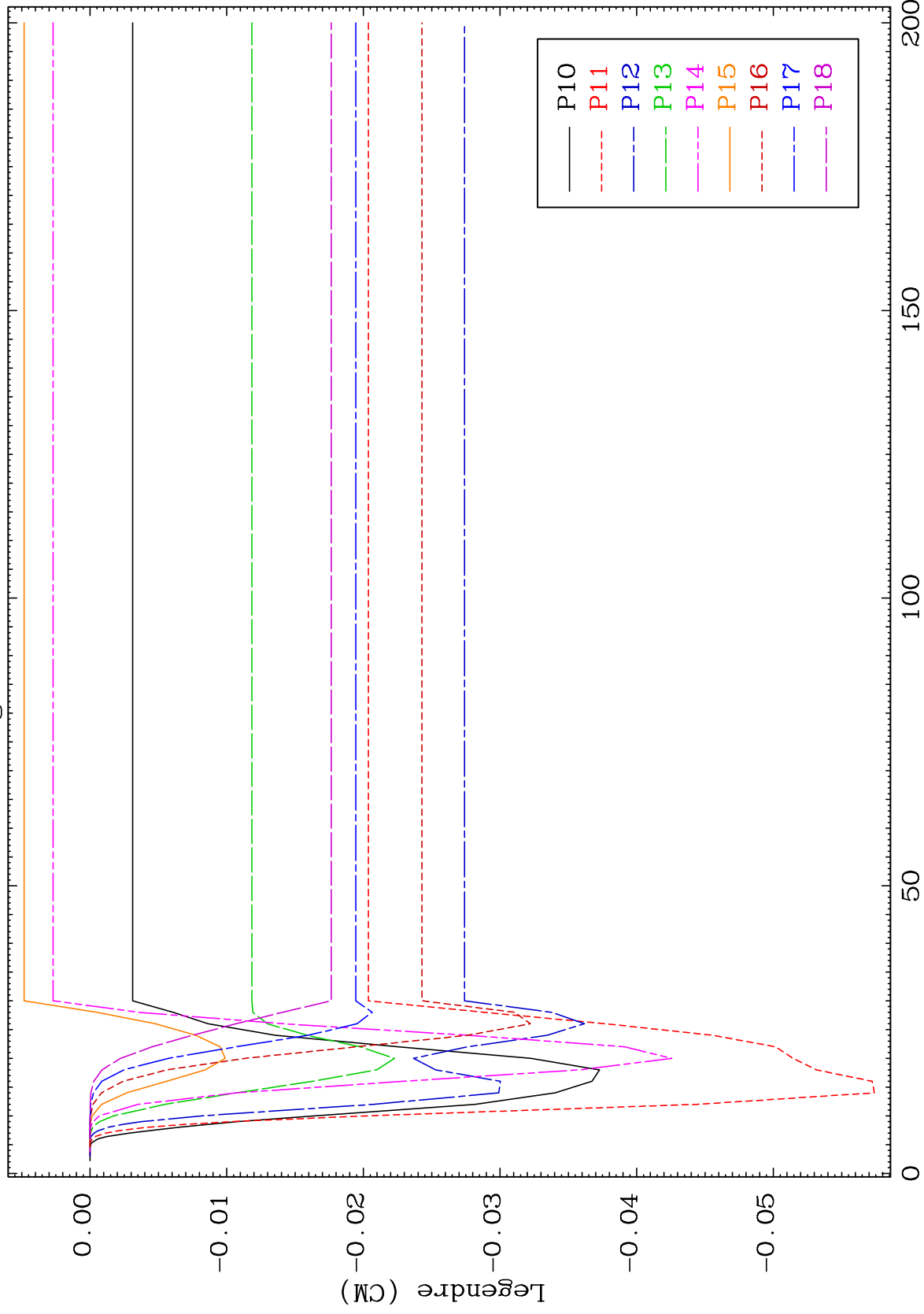
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

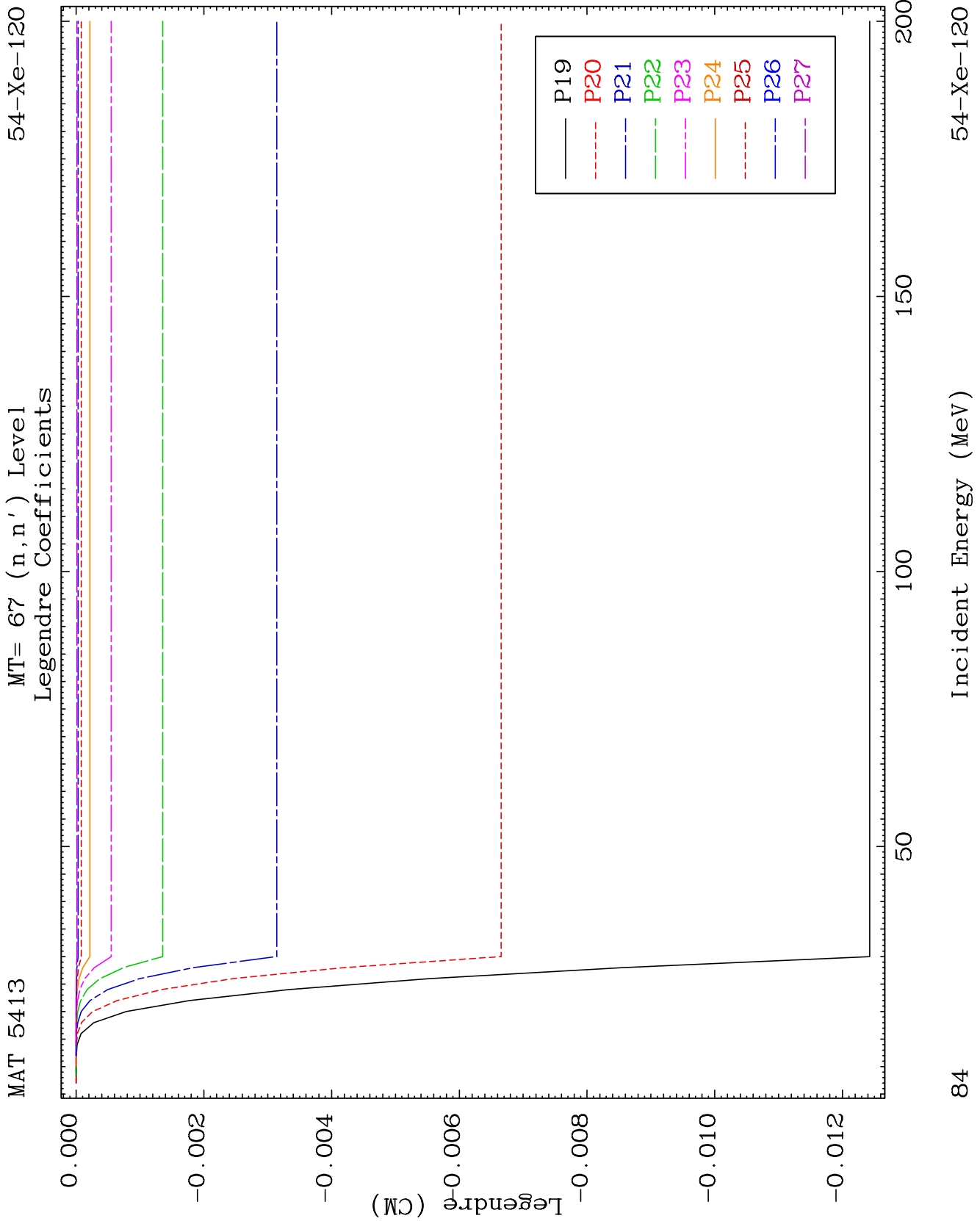
54-Xe-120

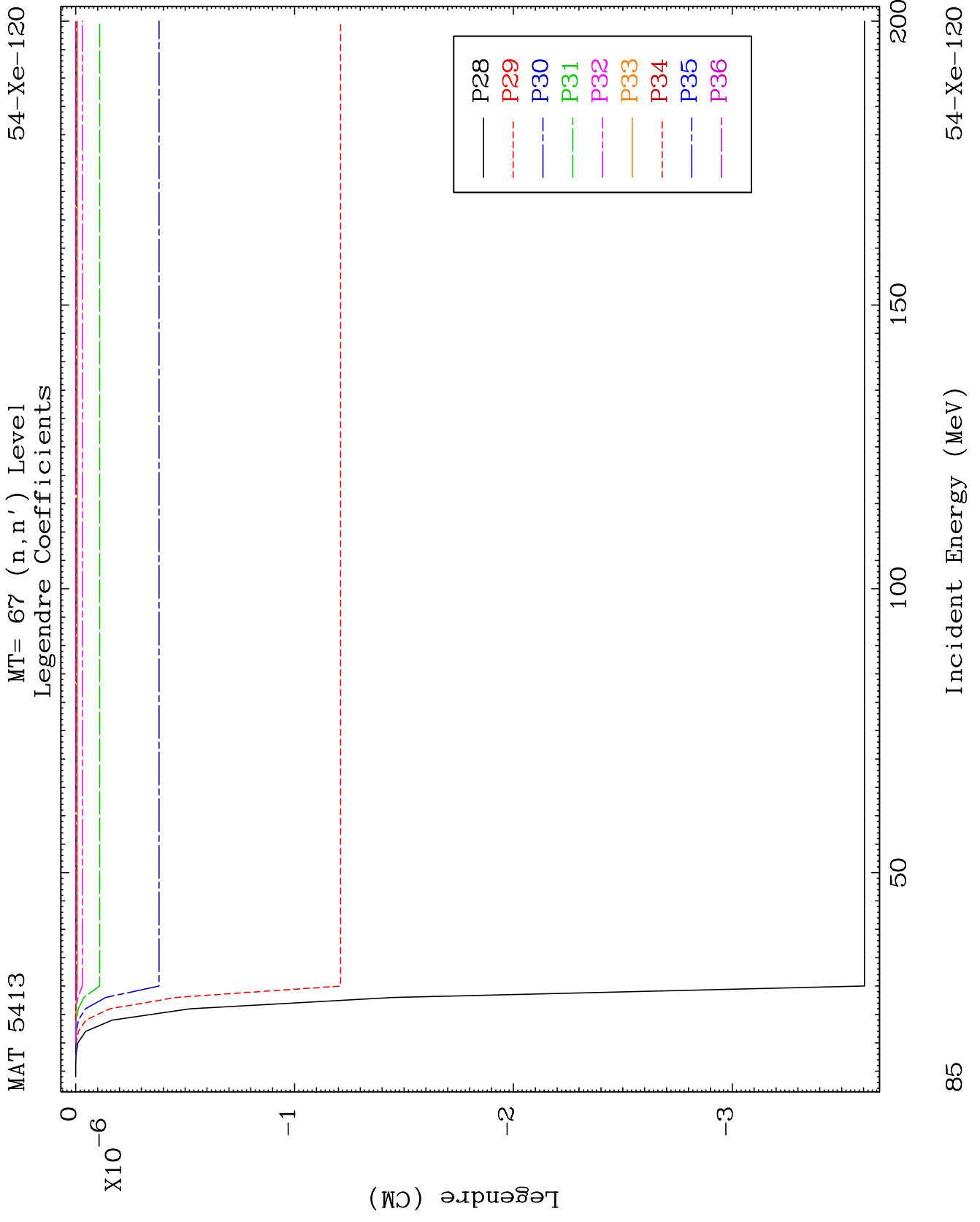


83

Incident Energy (MeV)

54-Xe-120

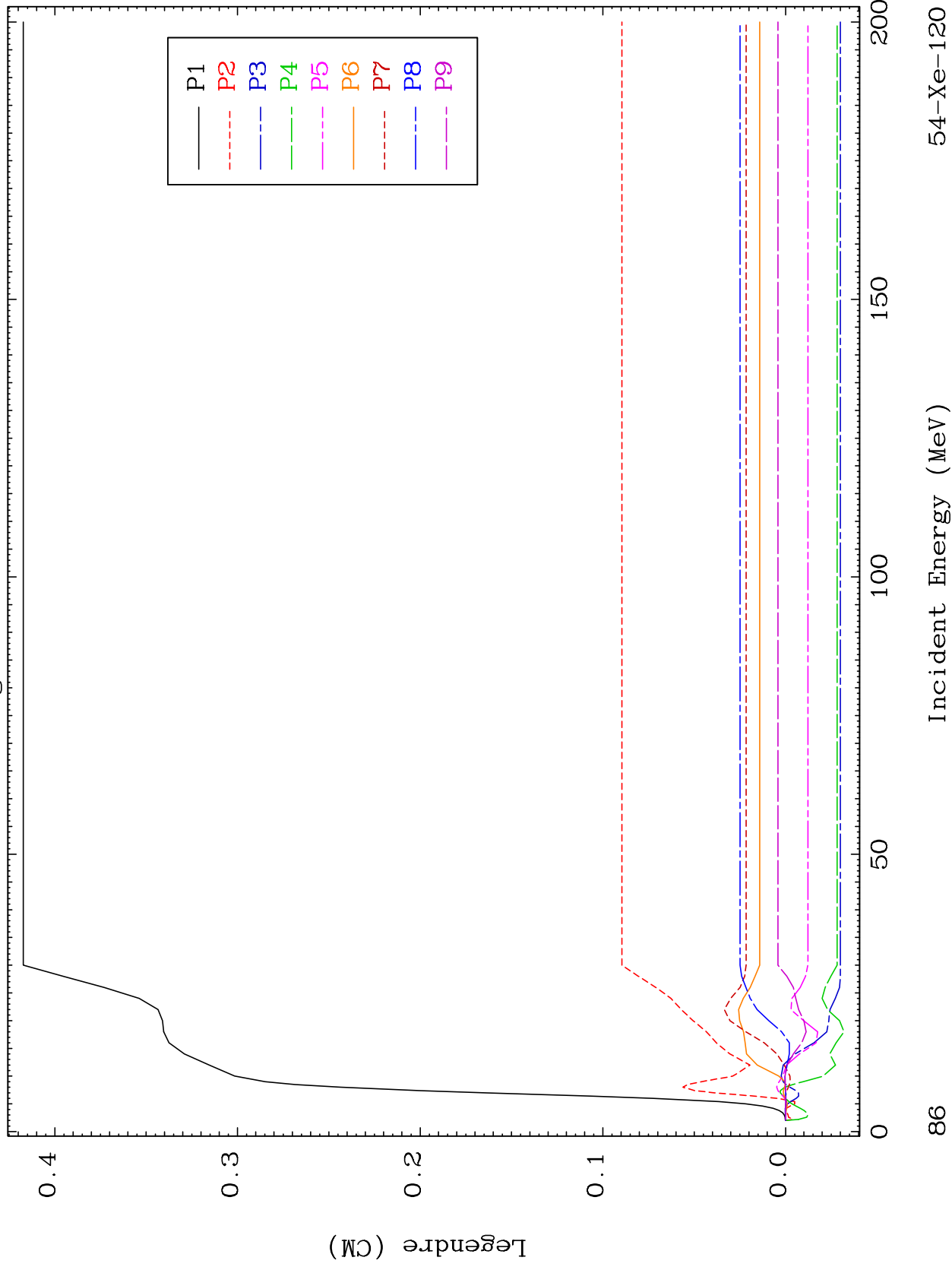




MAT 5413

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

54-Xe-120



54-Xe-120

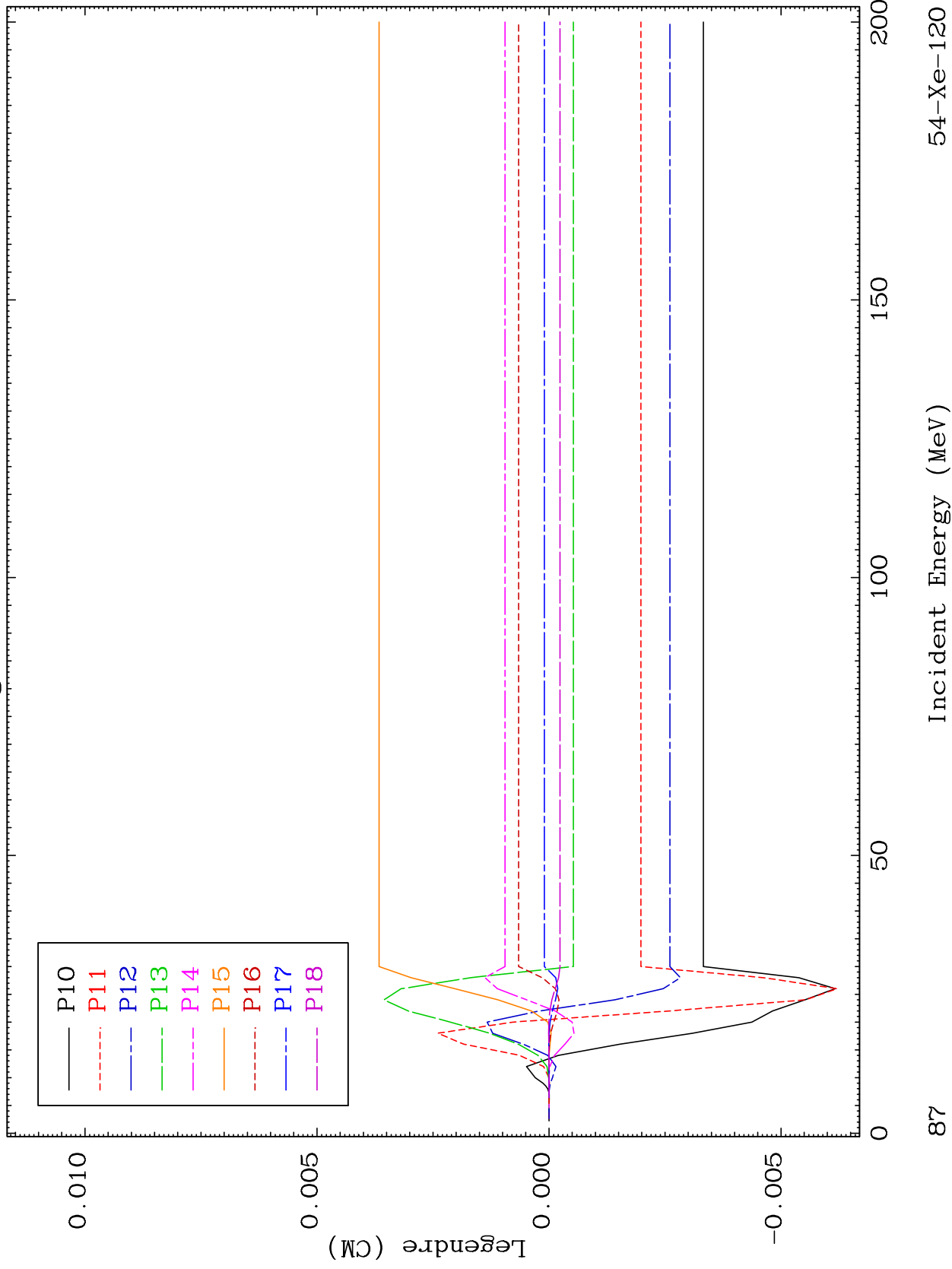
Incident Energy (MeV)

86

MAT 5413

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

54-Xe-120

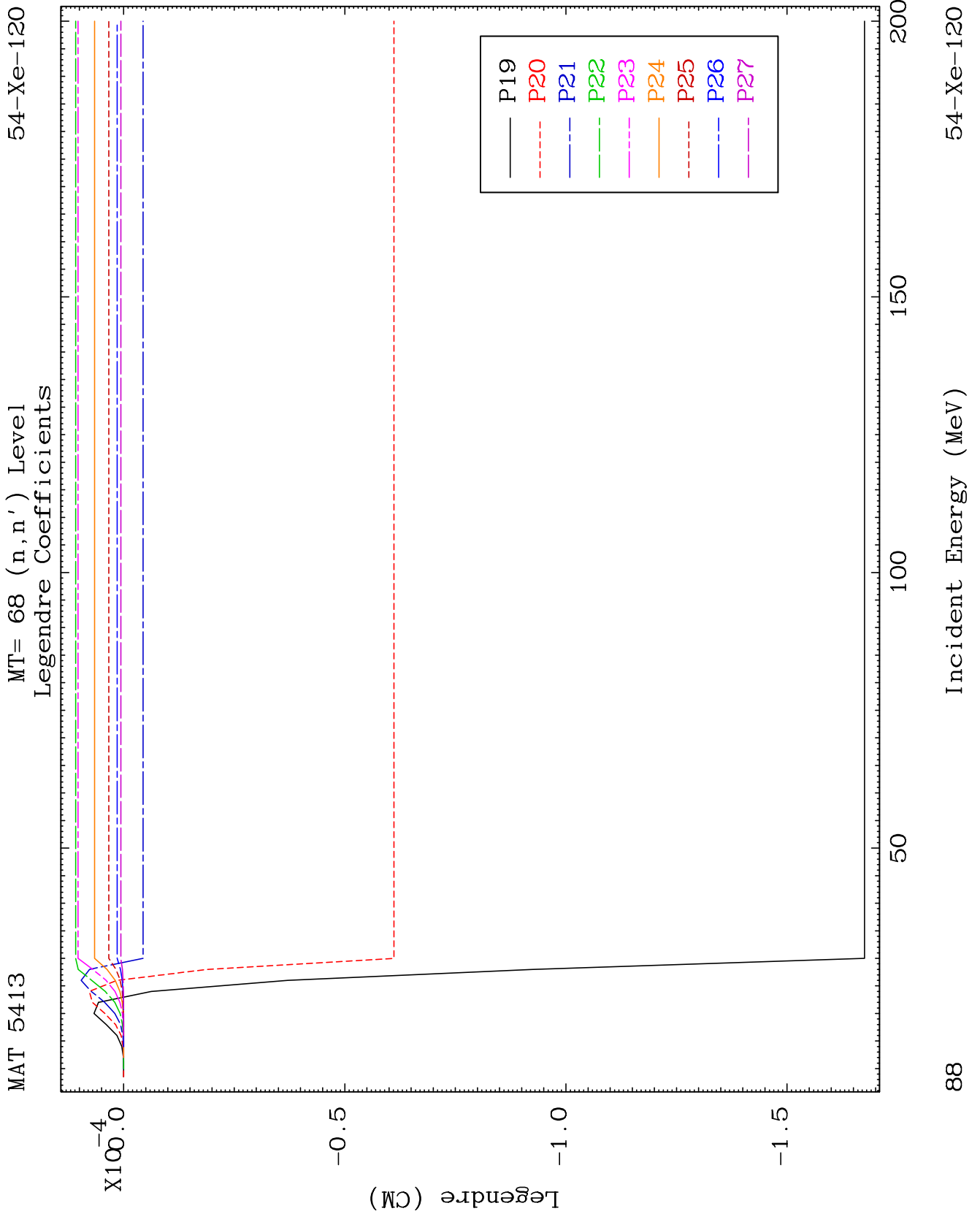


87

Incident Energy (MeV)

54-Xe-120

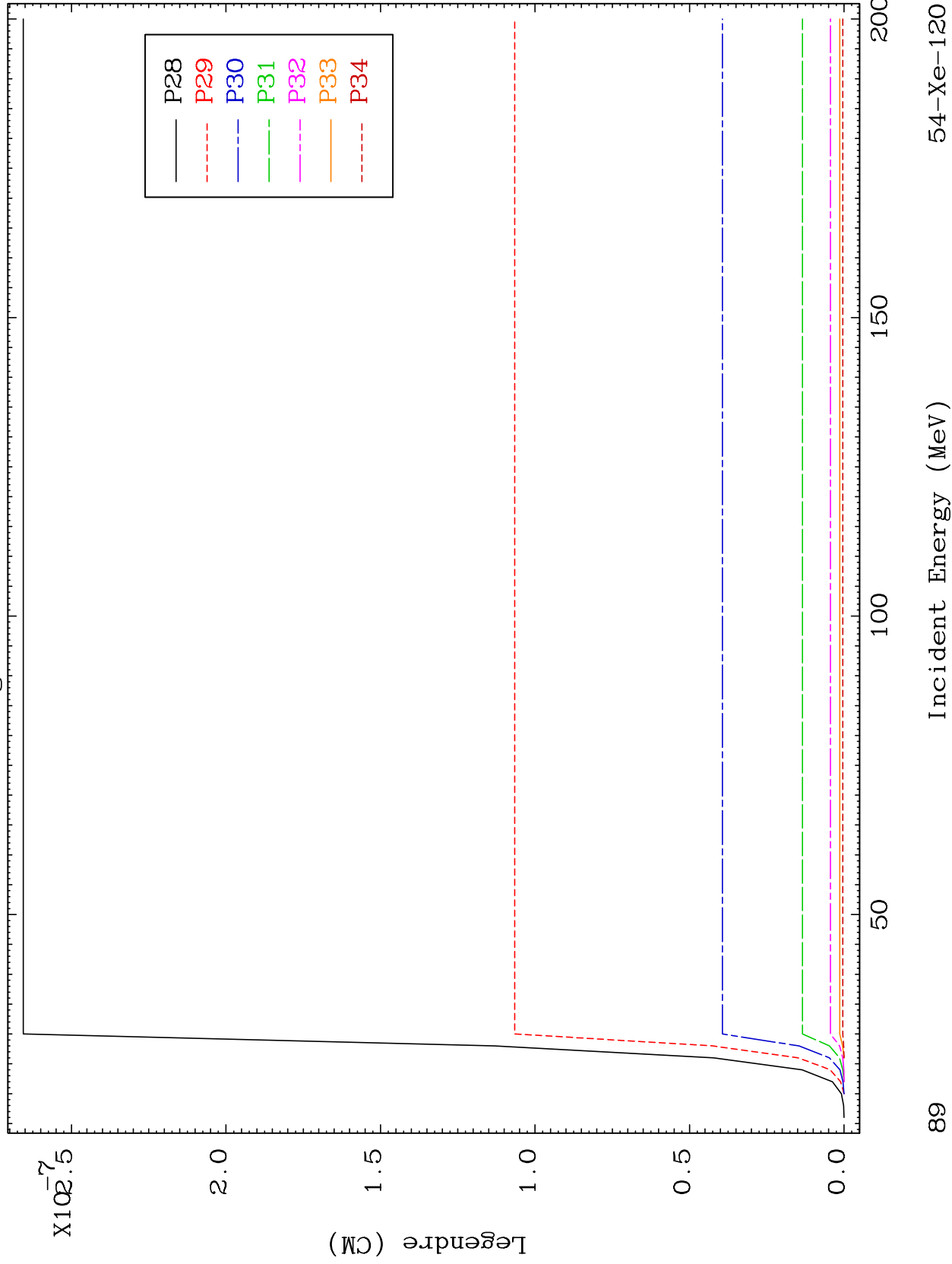


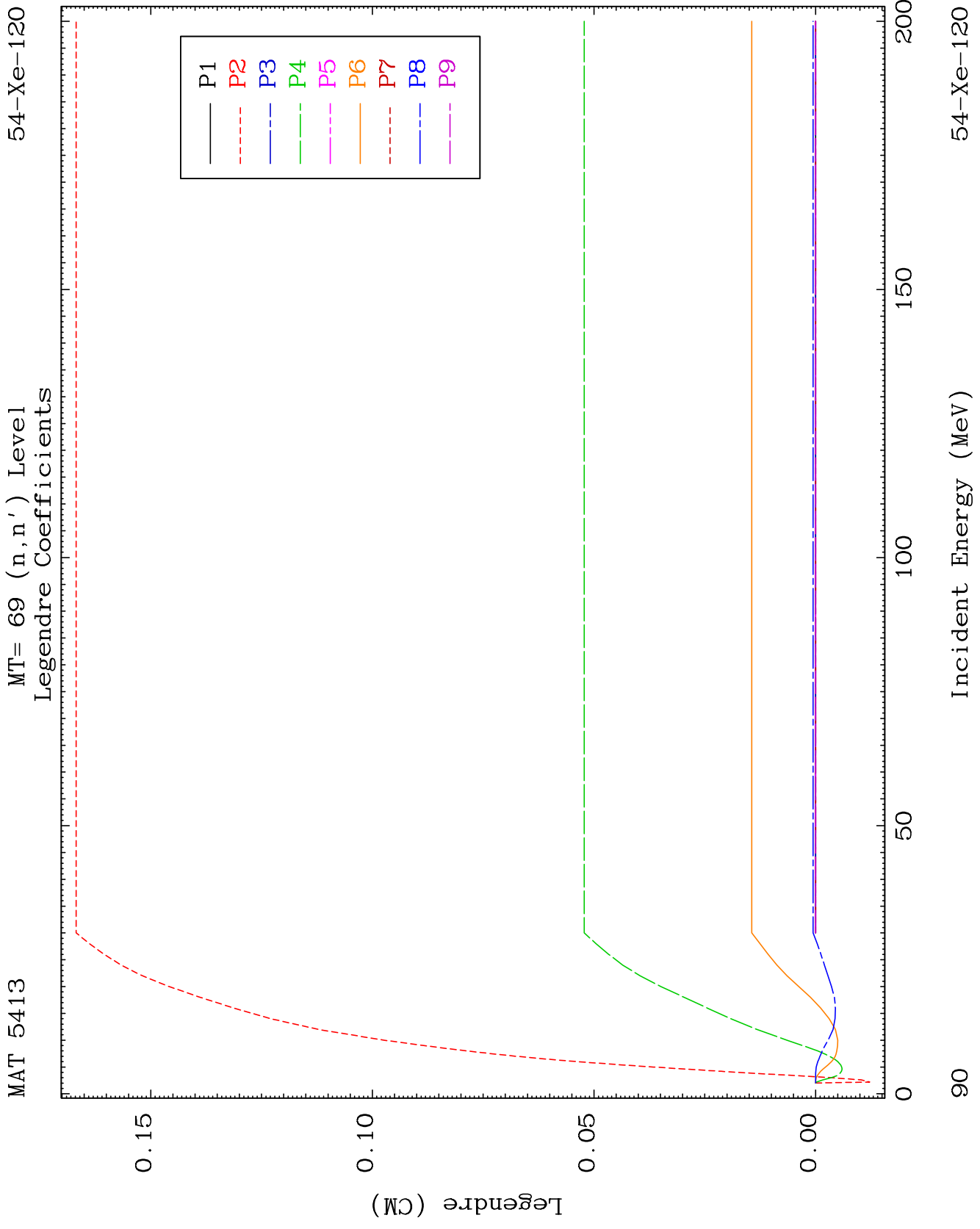


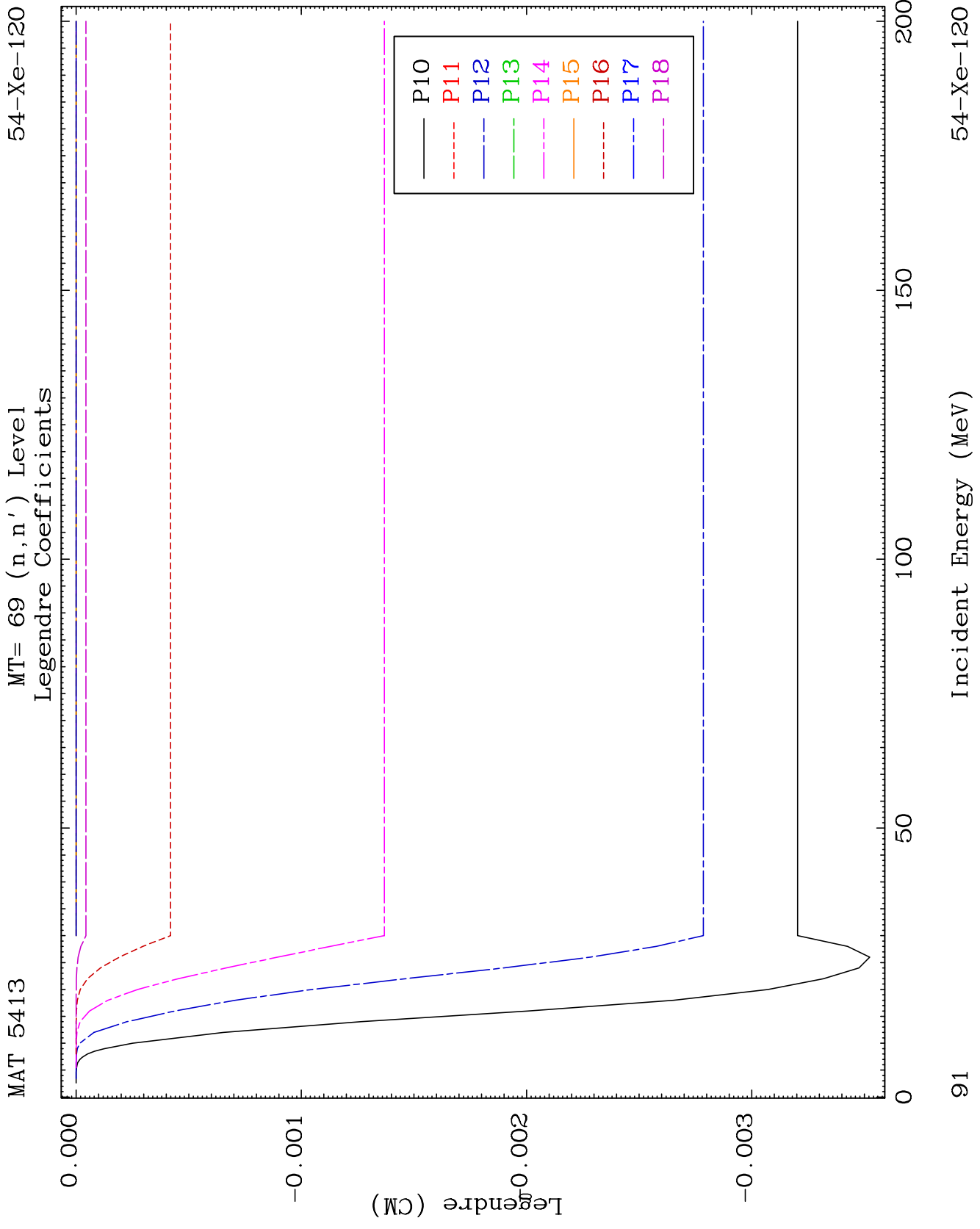
MAT 5413

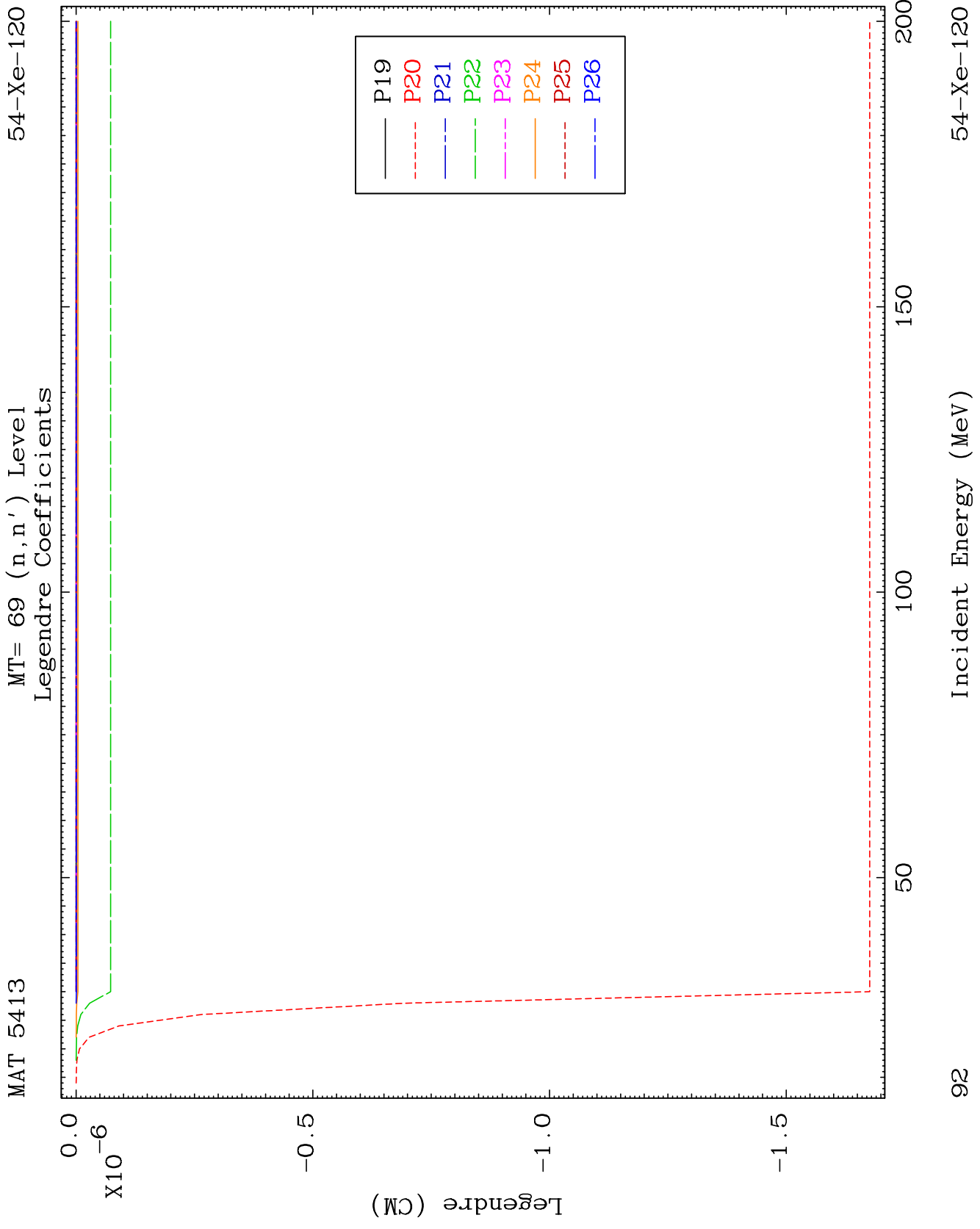
MT= 68 (n,n') Level  
Legendre Coefficients

54-Xe-120





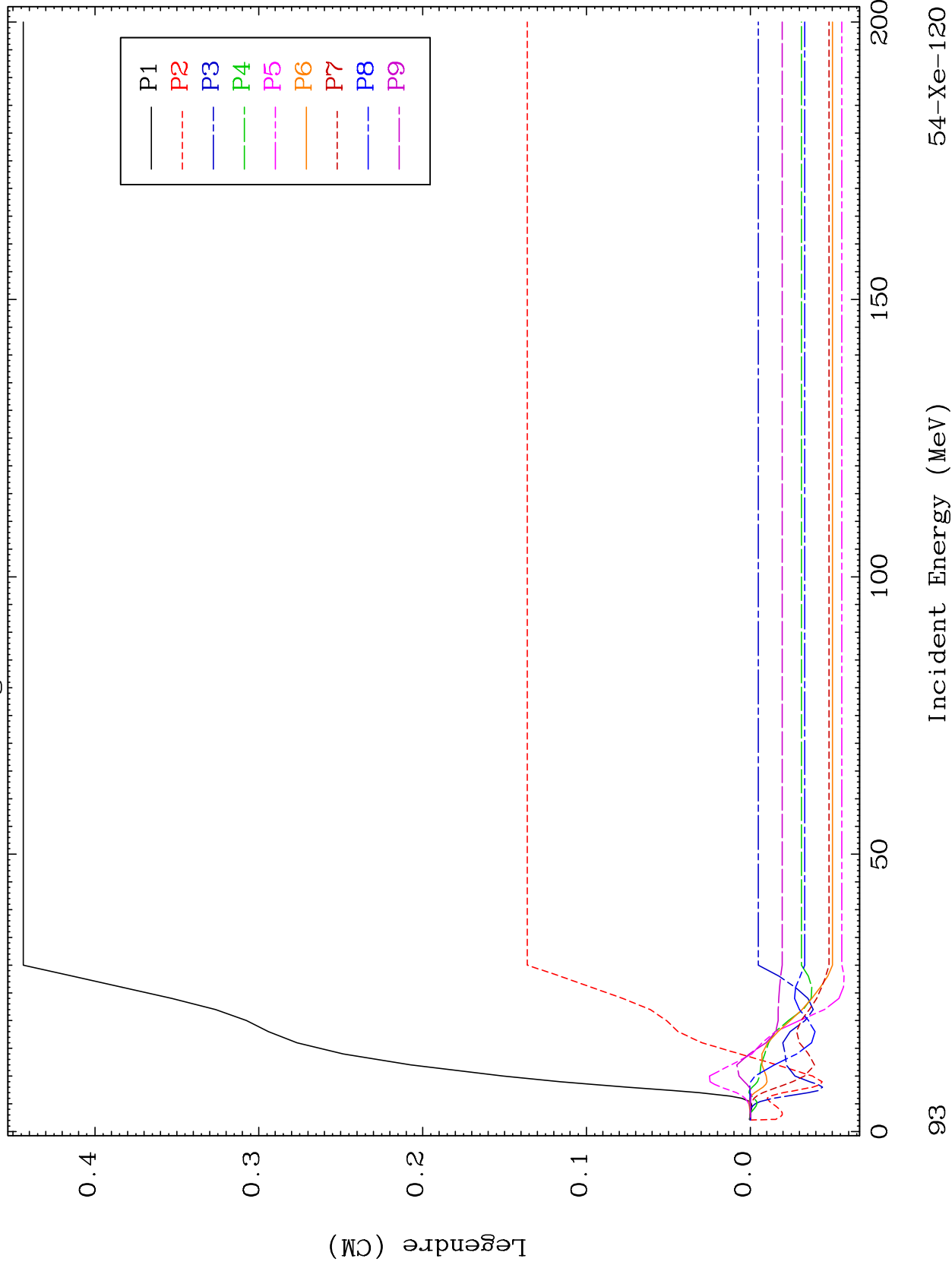




MAT 5413

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

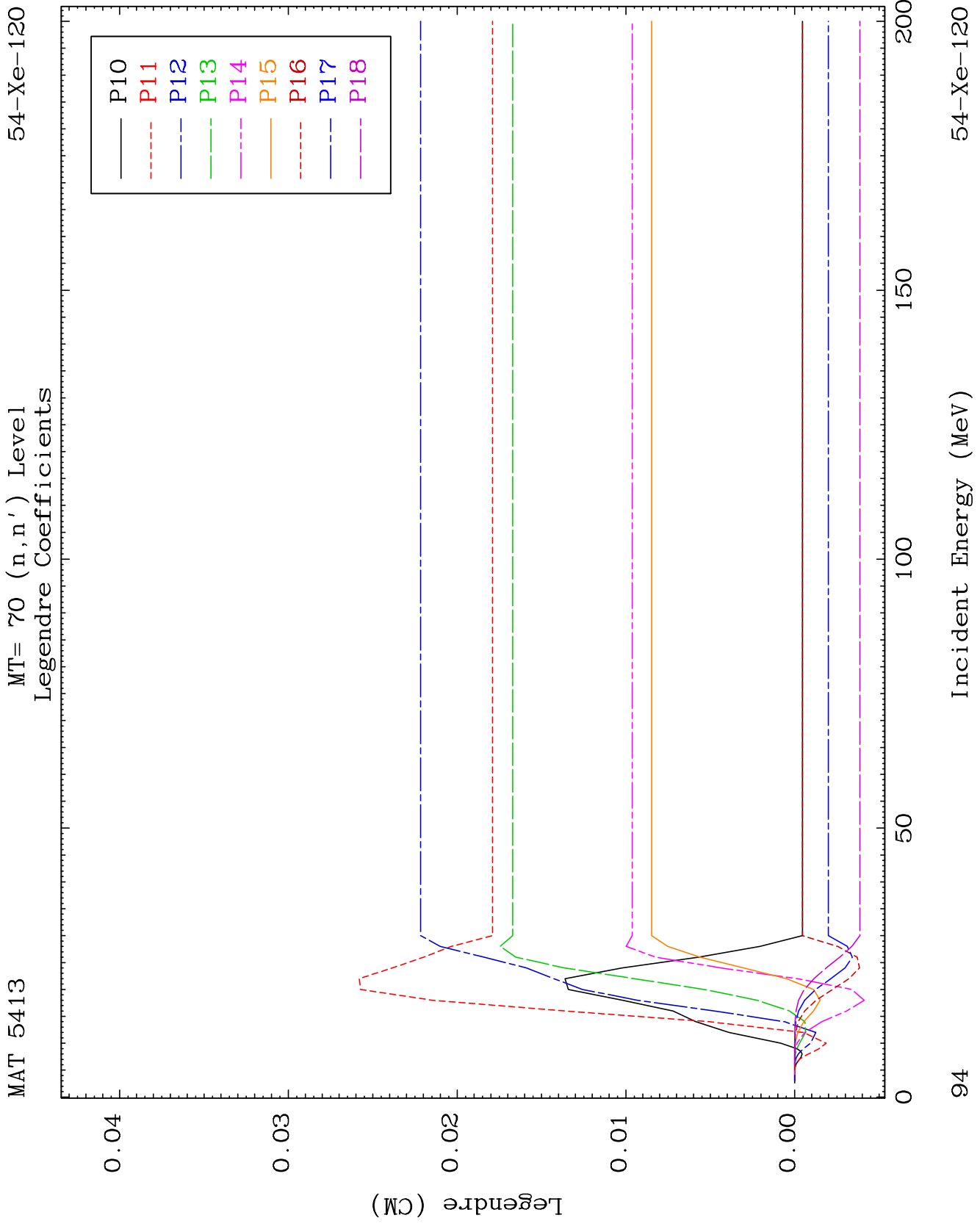
54-Xe-120



54-Xe-120

Incident Energy (MeV)

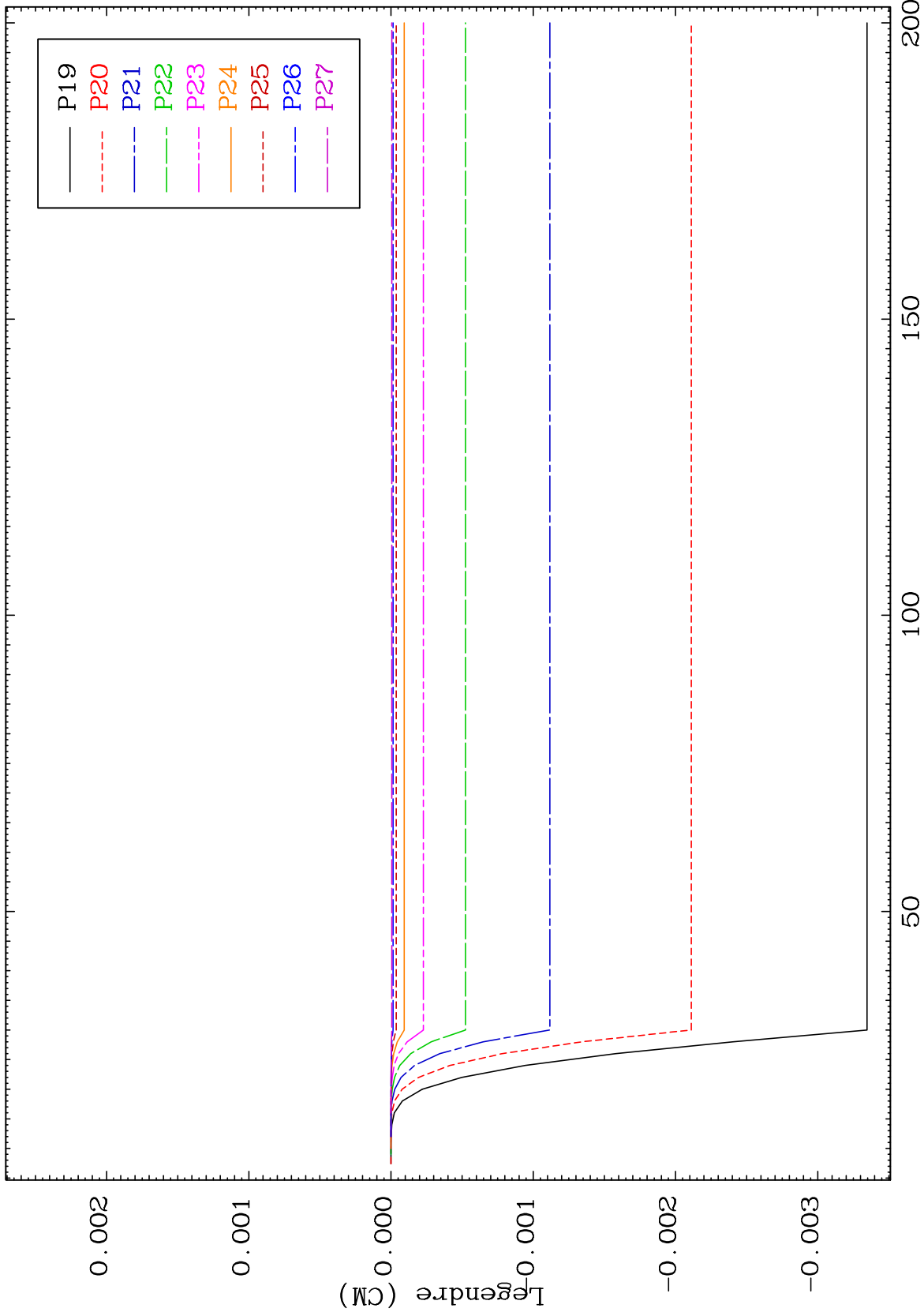
93



MAT 5413

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

54-Xe-120

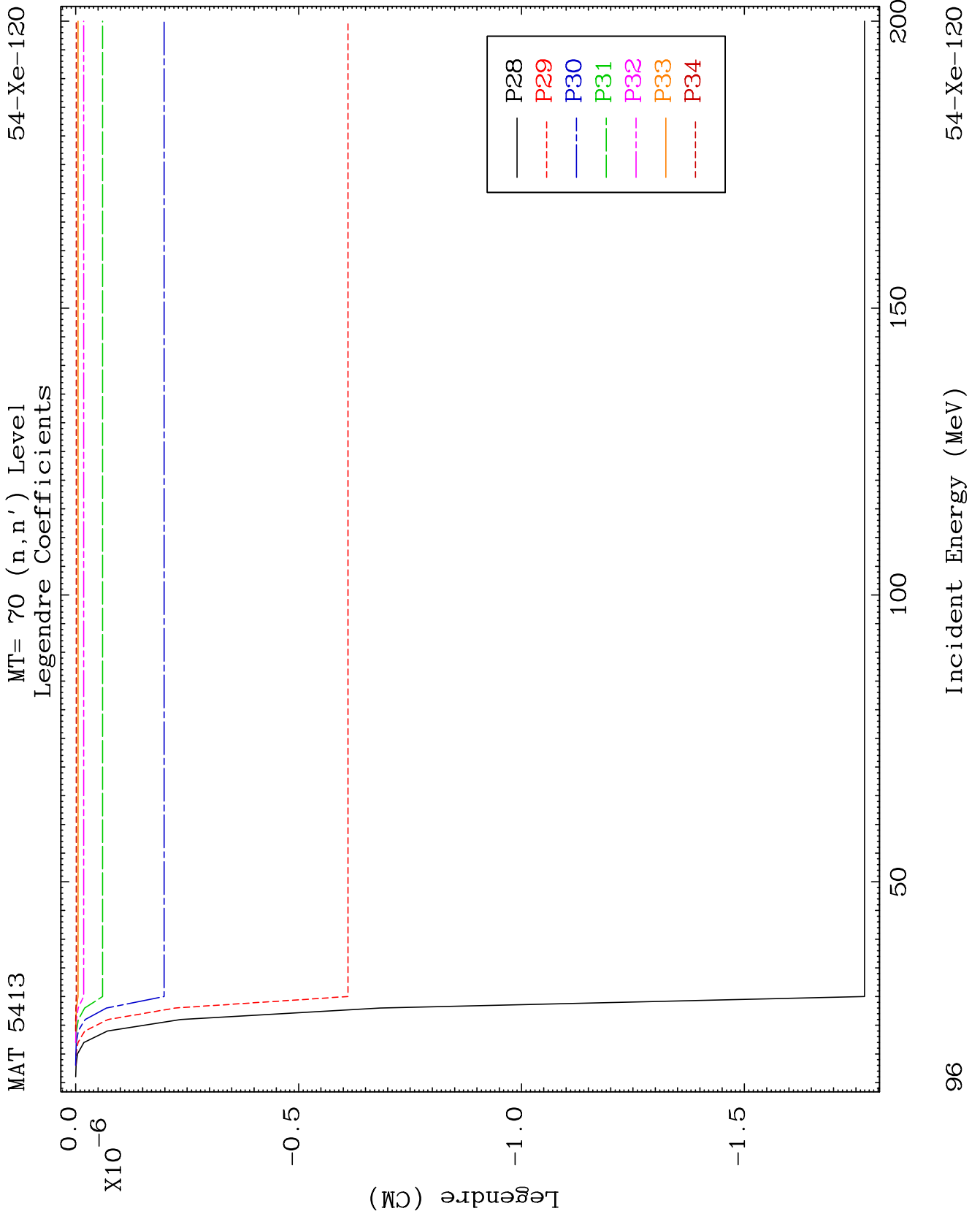


95

Incident Energy (MeV)

54-Xe-120

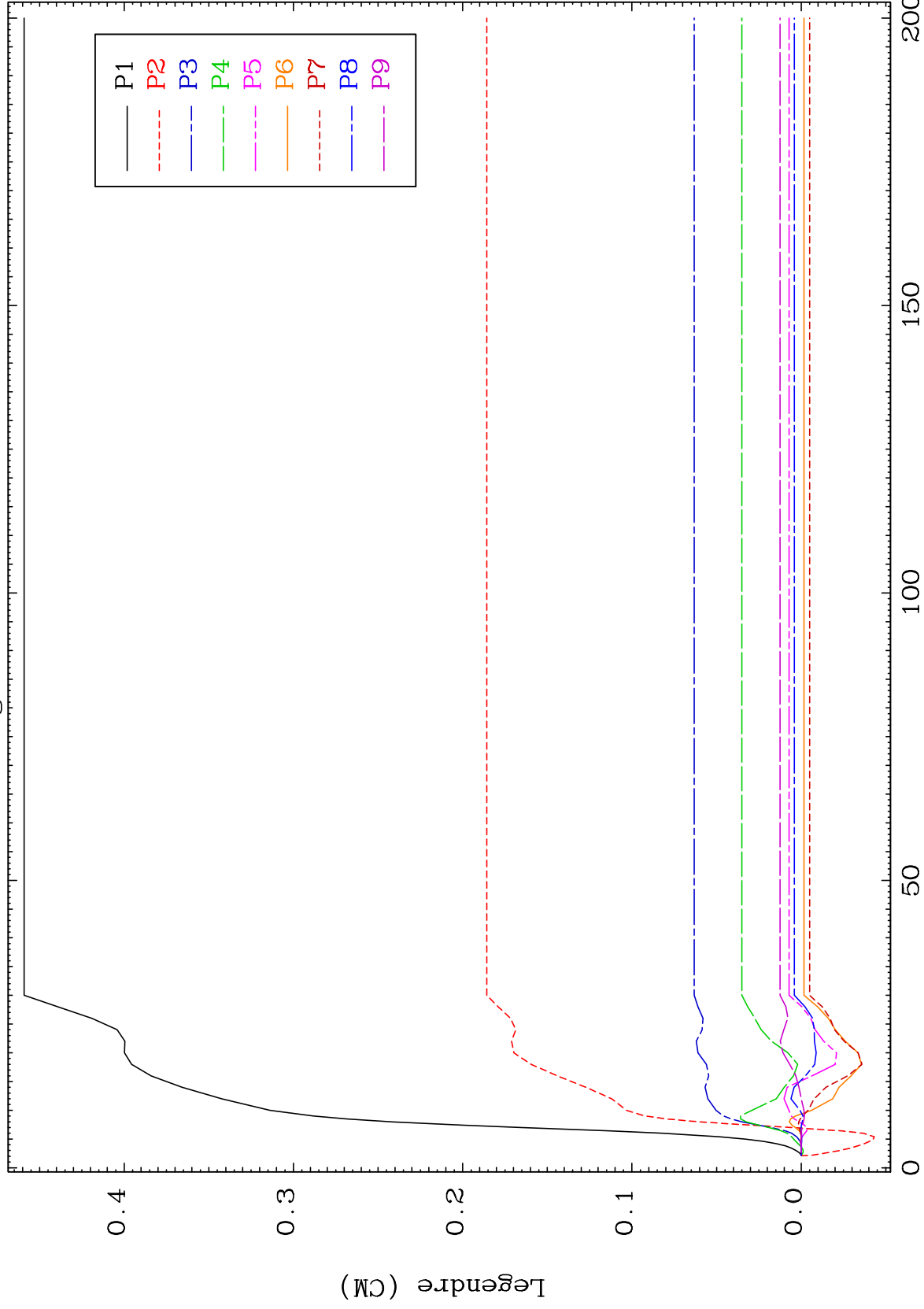




MAT 5413

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

54-Xe-120



54-Xe-120

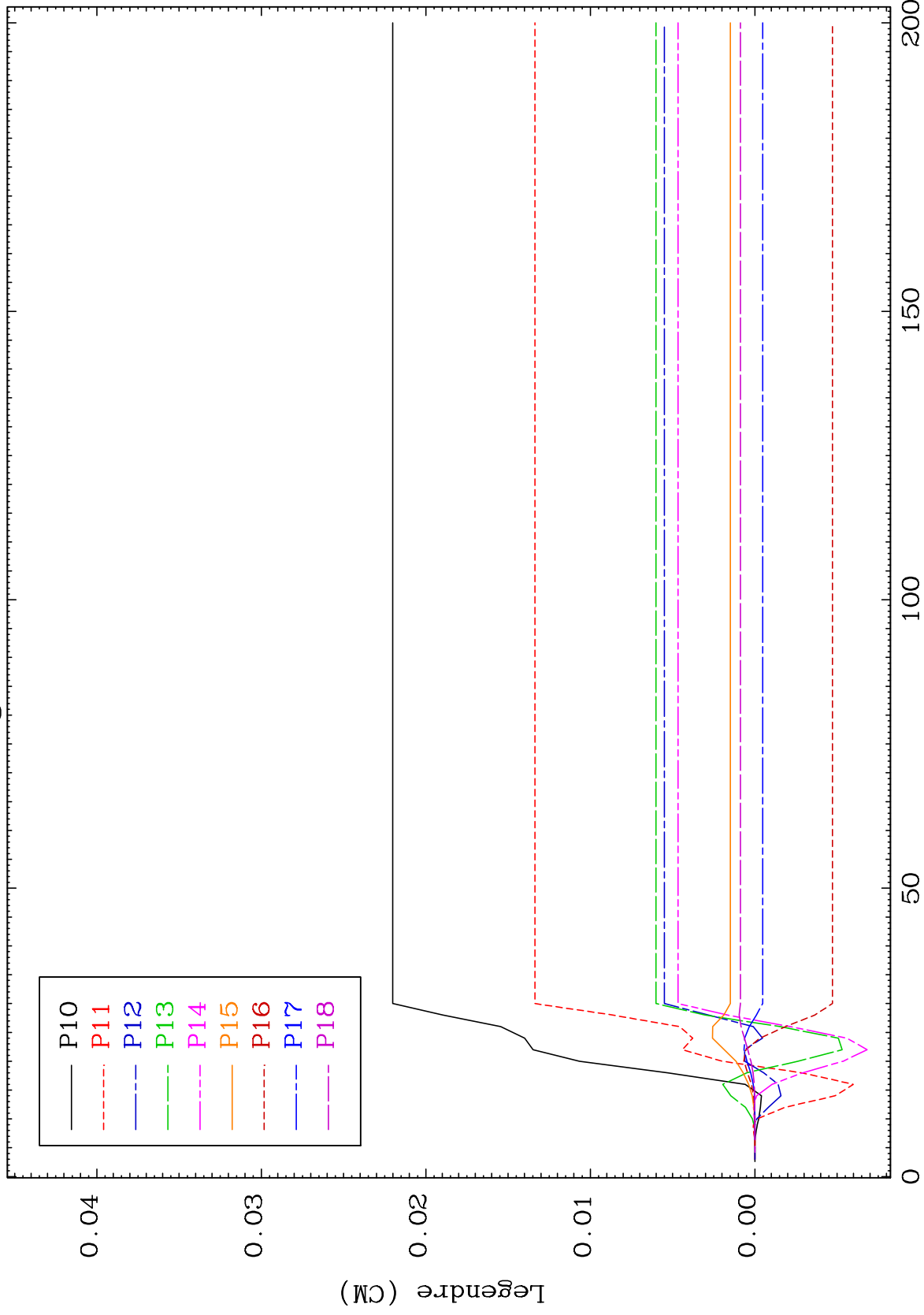
Incident Energy (MeV)

97

MAT 5413

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

54-Xe-120



98

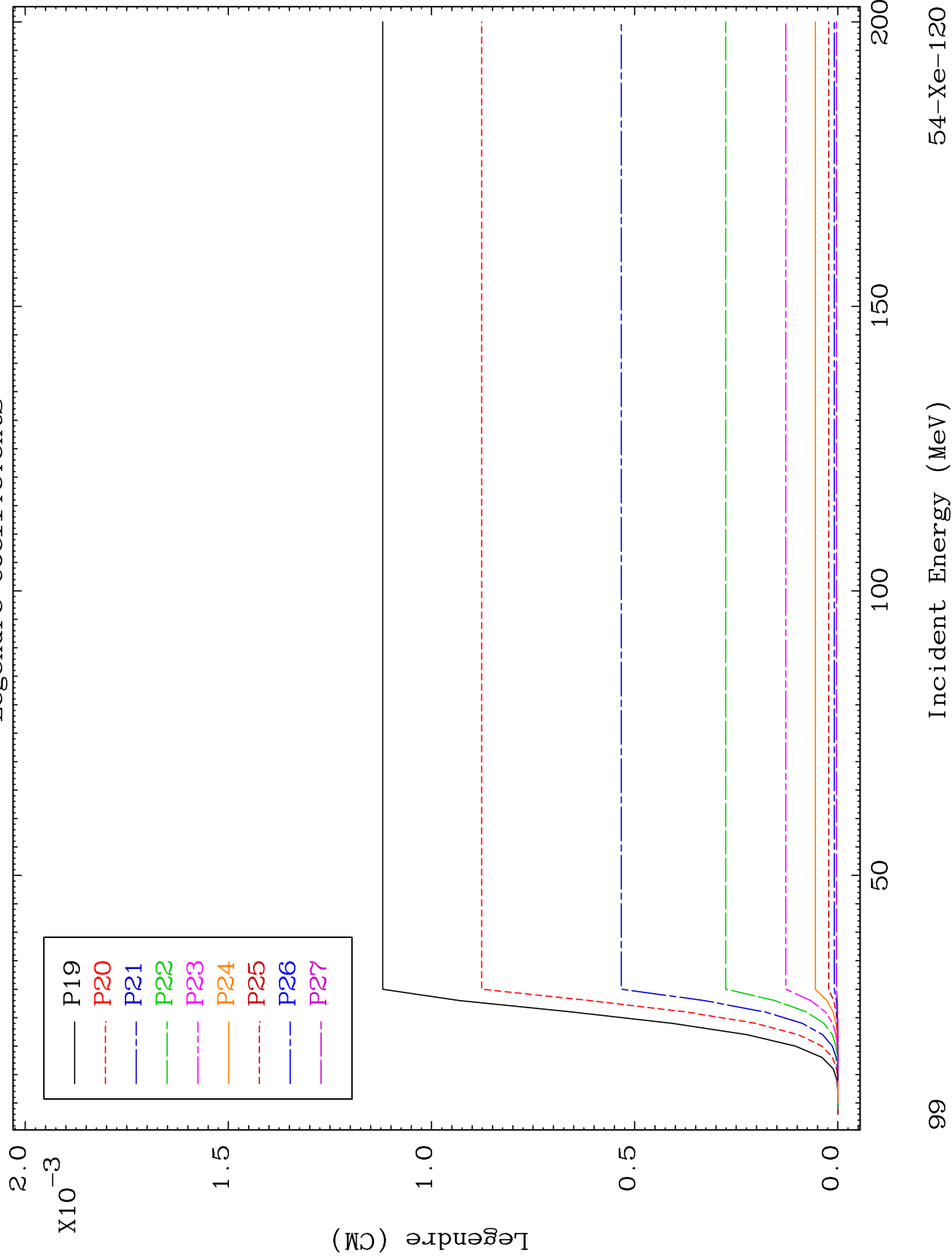
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

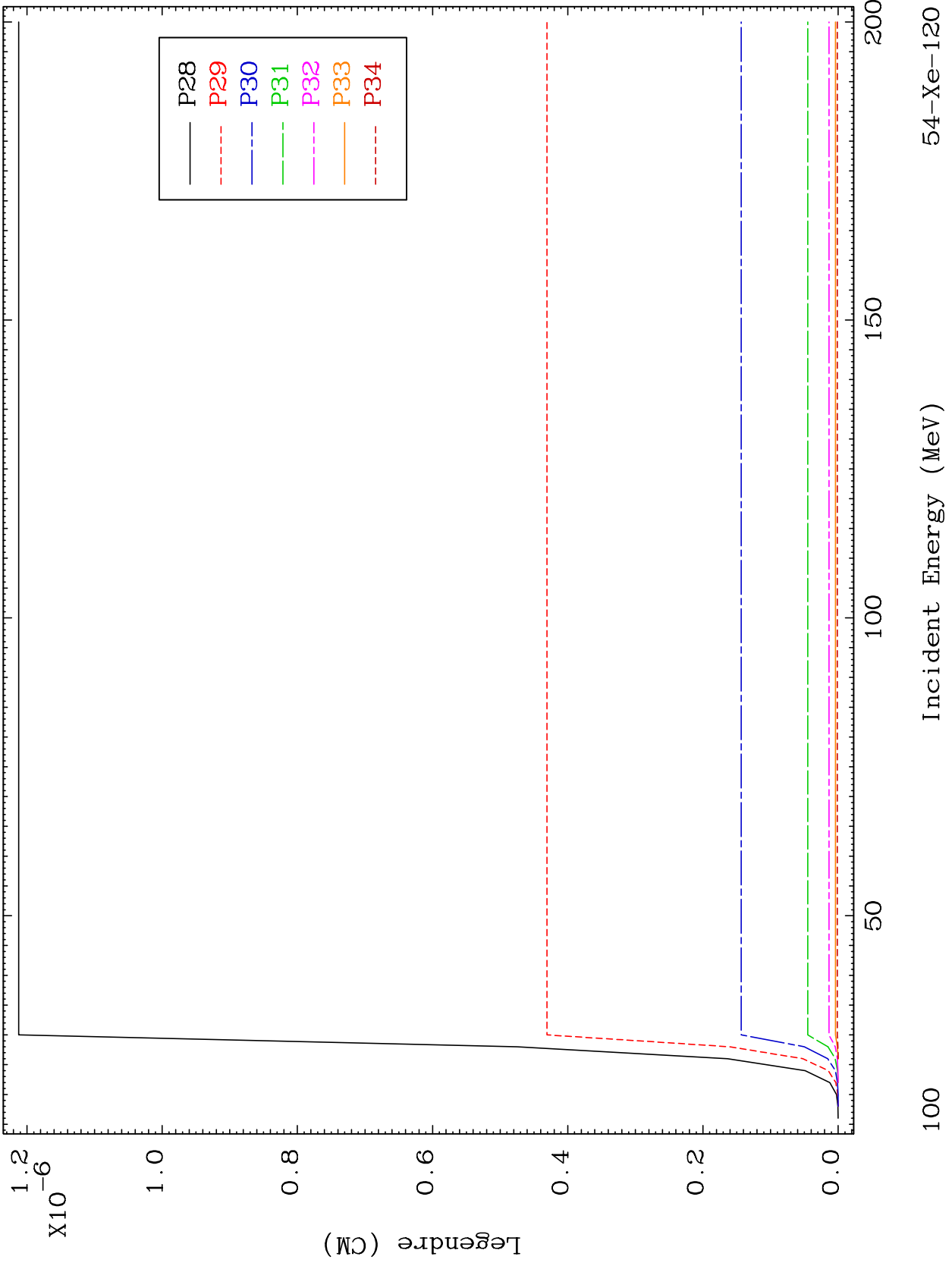
54-Xe-120



MAT 5413

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

54-Xe-120

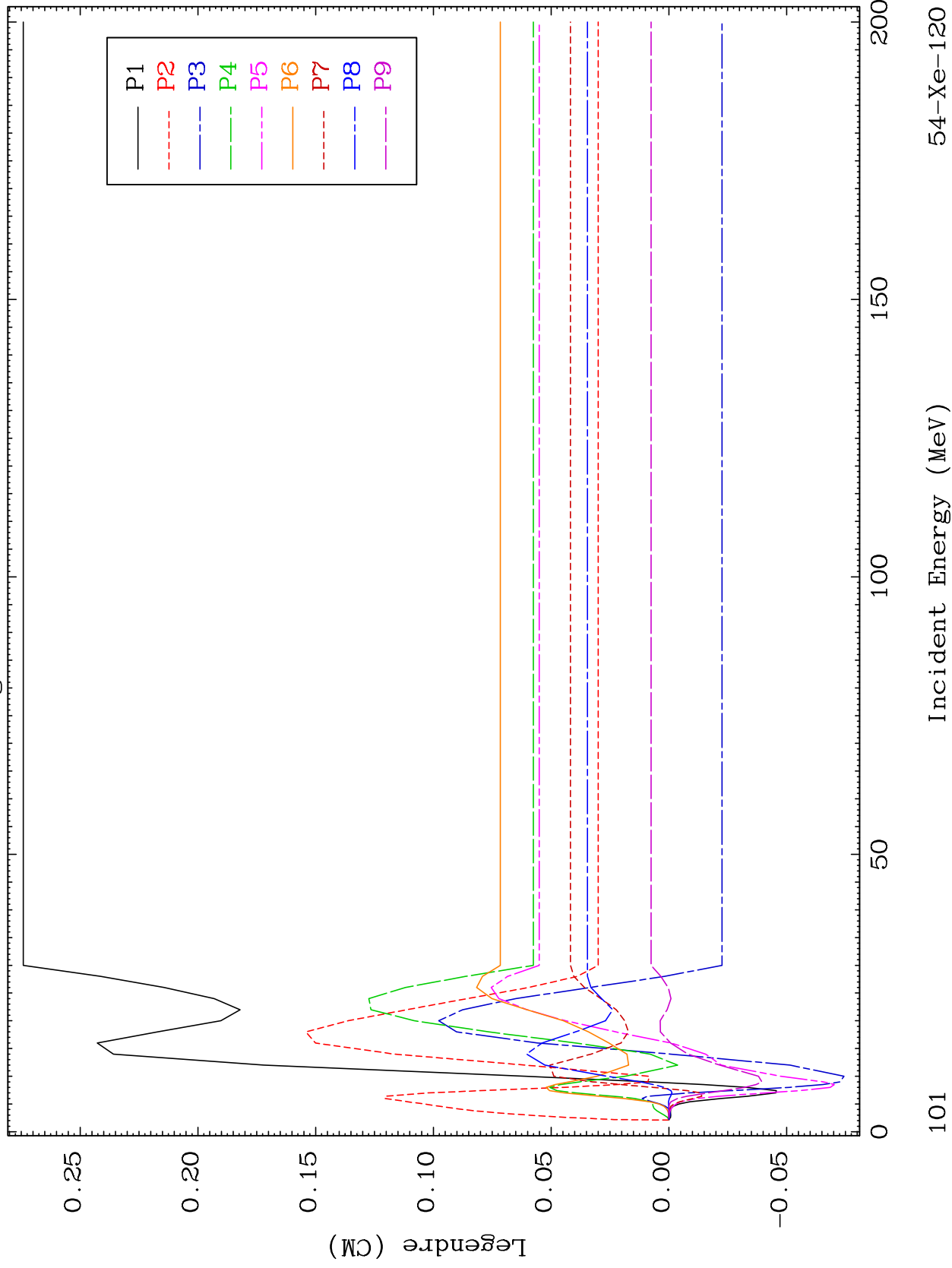


54-Xe-120

MAT 5413

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

54-Xe-120



54-Xe-120

Incident Energy (MeV)

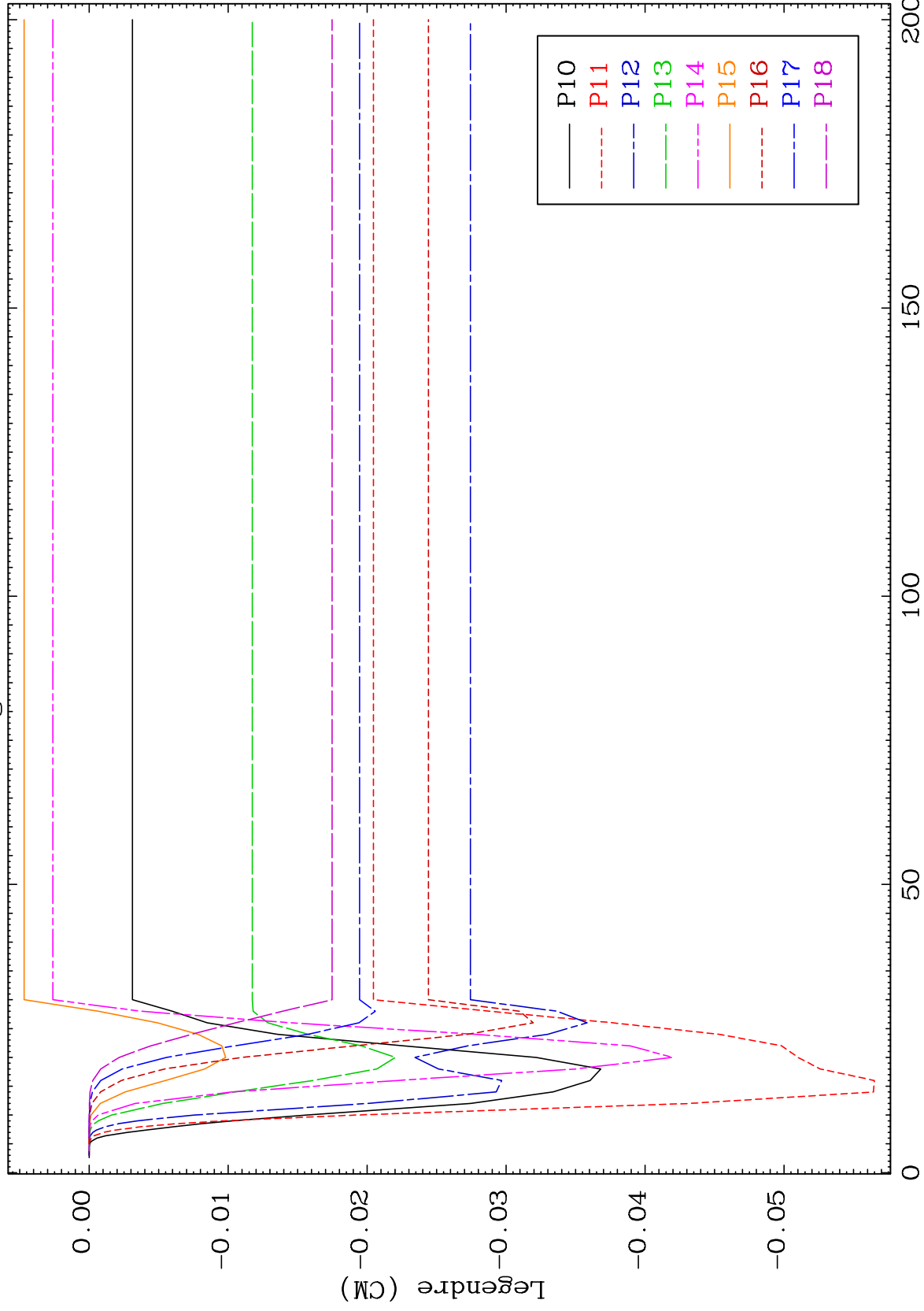
101

MAT 5413

MT= 72 (n,n') Level

54-Xe-120

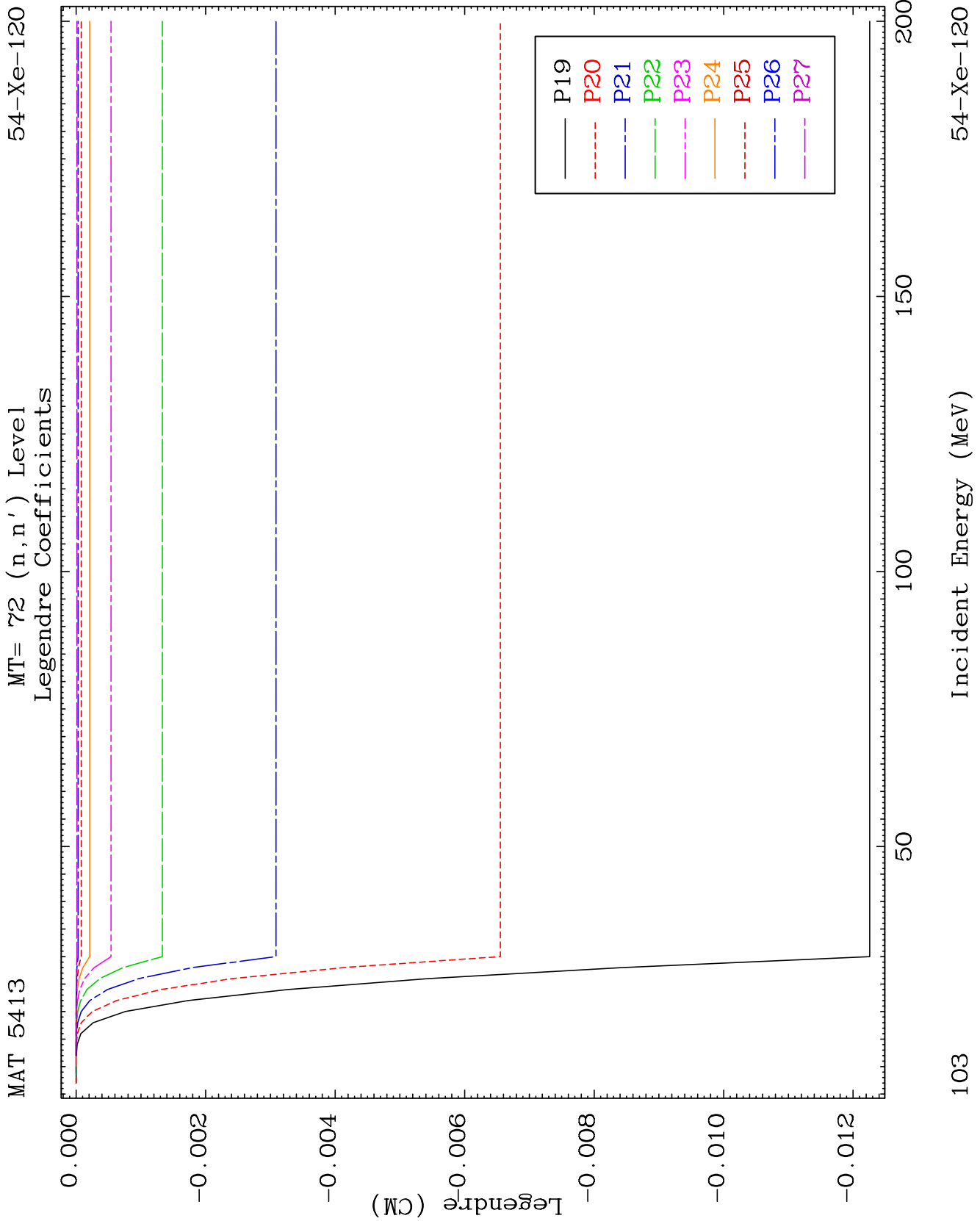
Legendre Coefficients



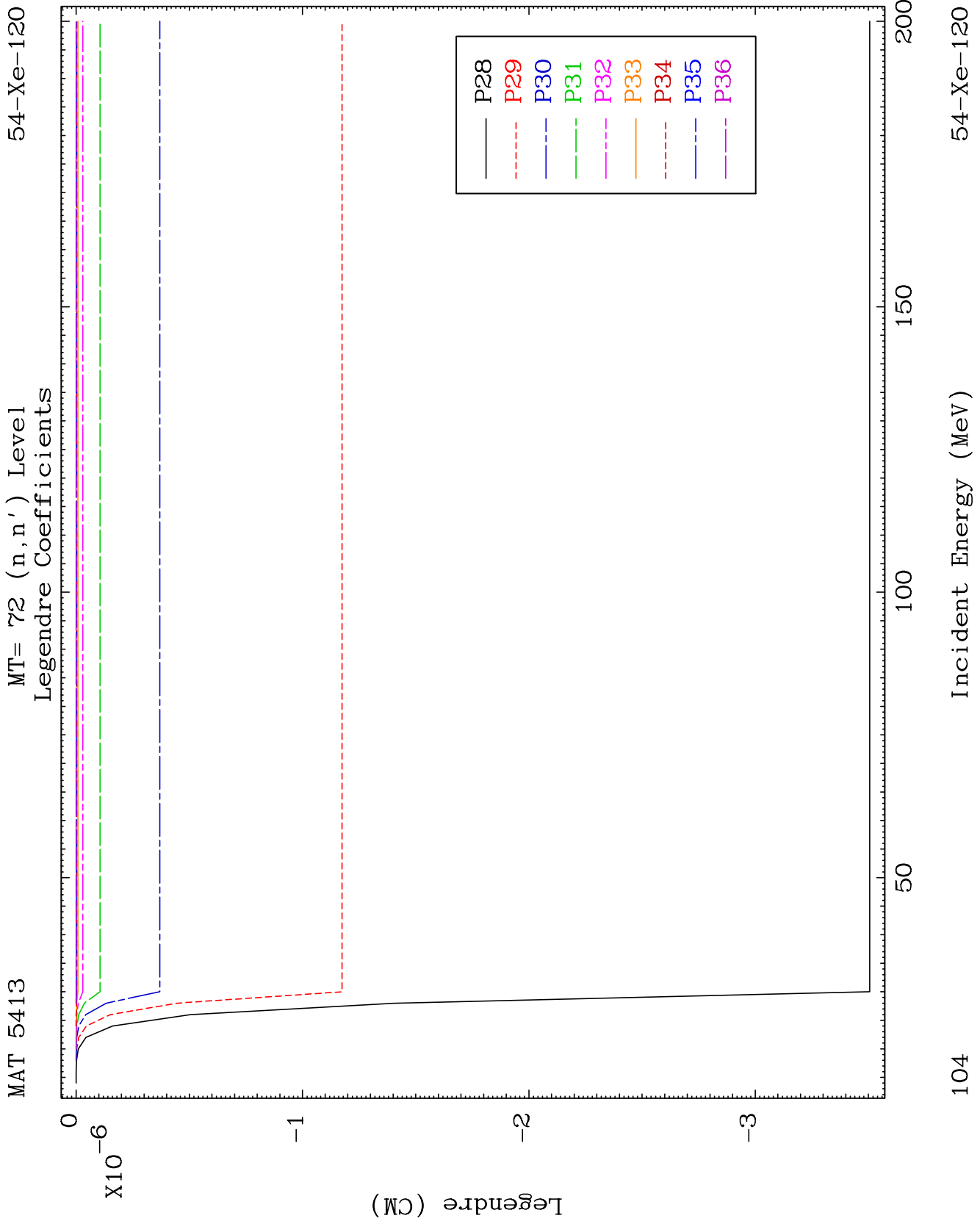
102

Incident Energy (MeV)

54-Xe-120



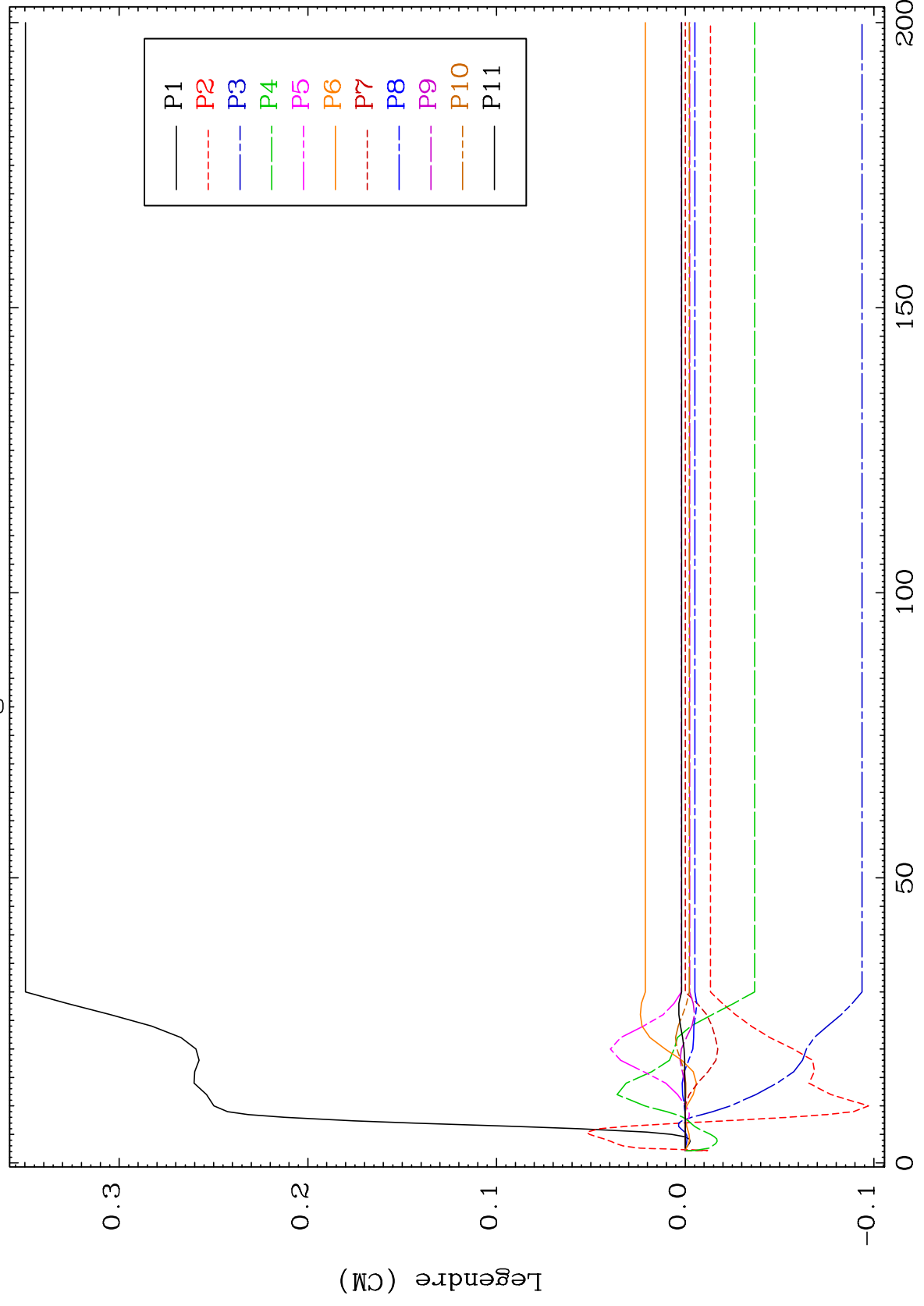




MAT 5413

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

54-Xe-120



54-Xe-120

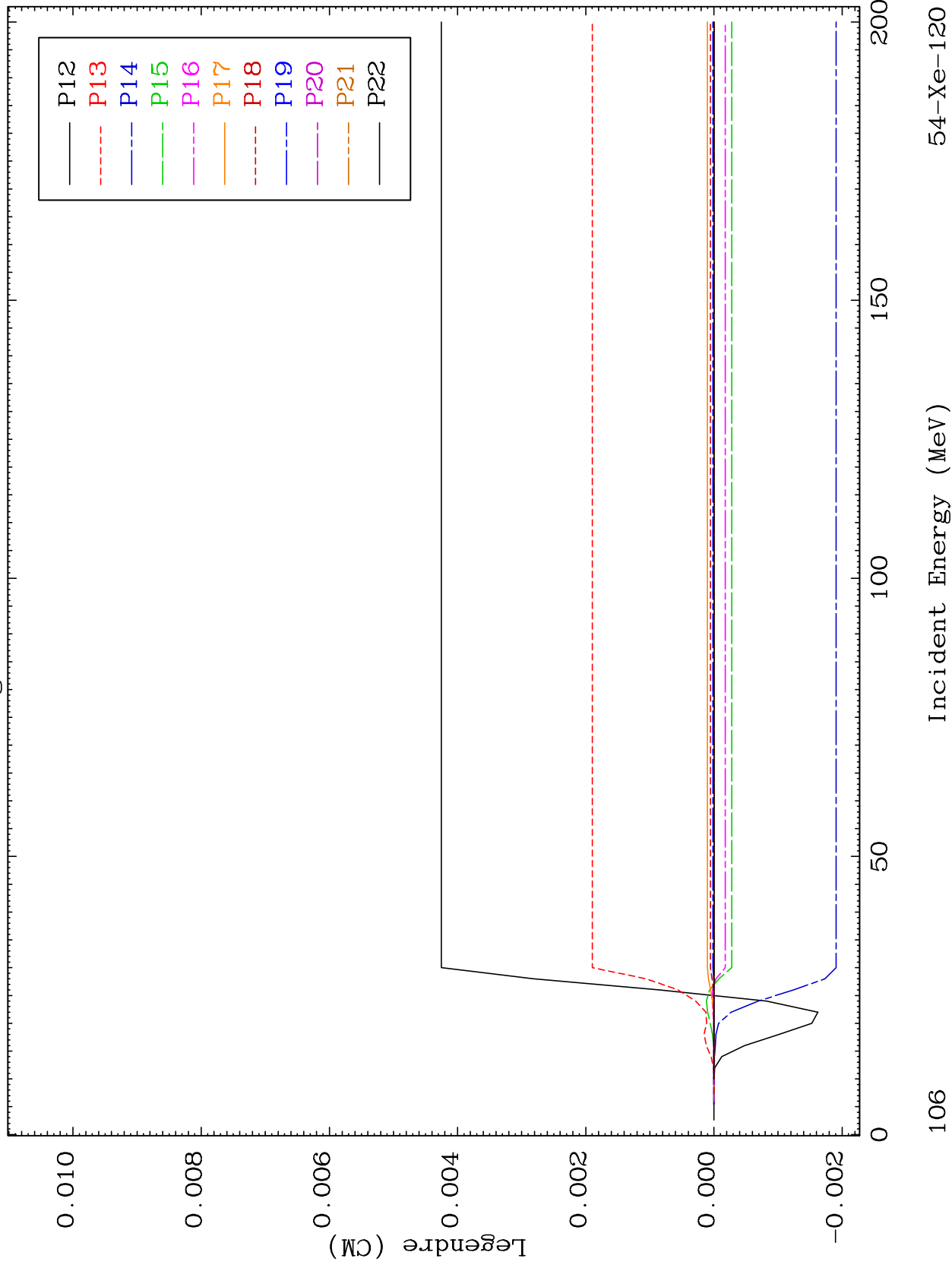
Incident Energy (MeV)

105

MAT 5413

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

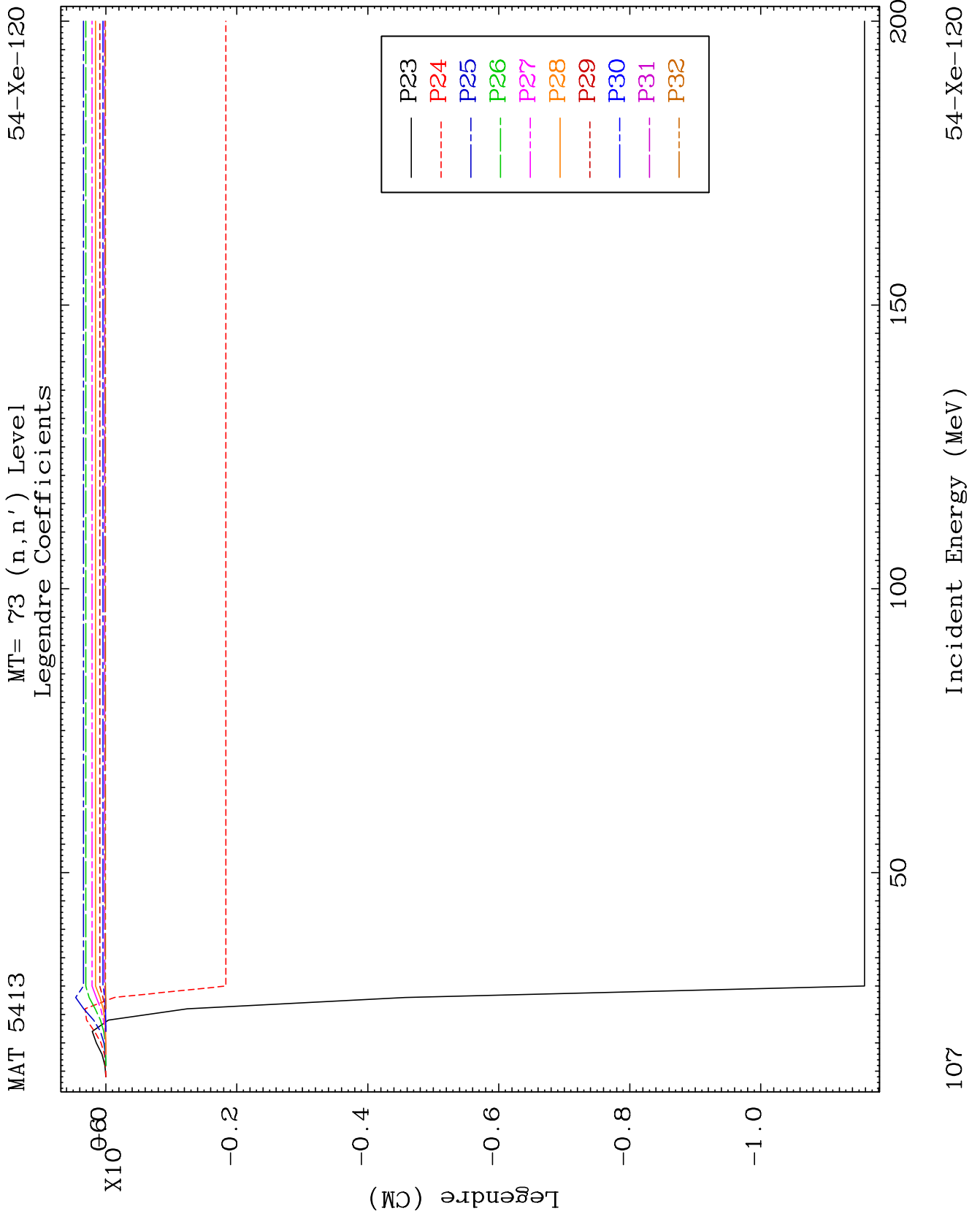
54-Xe-120



54-Xe-120

Incident Energy (MeV)

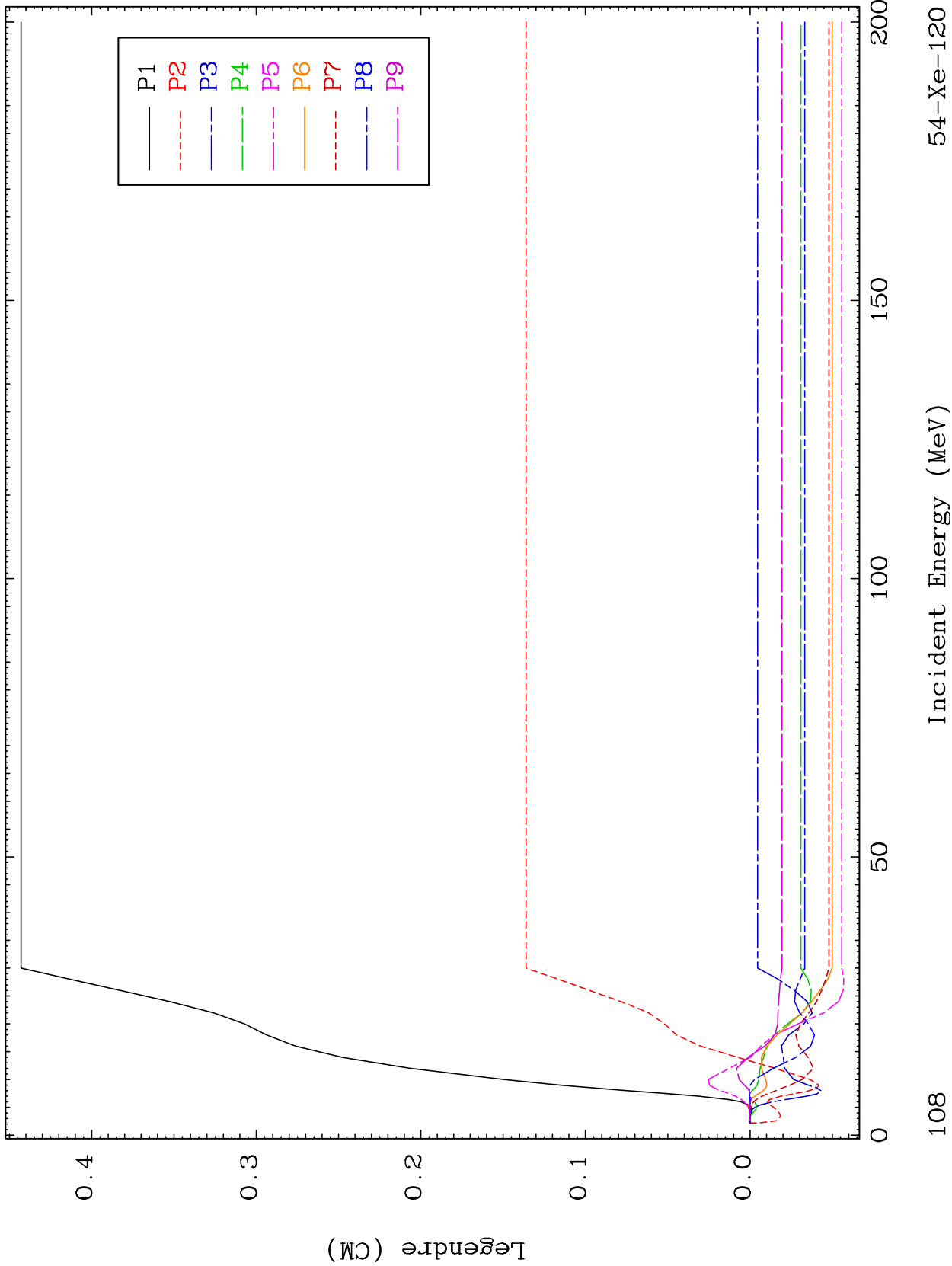
106



MAT 5413

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

54-Xe-120



54-Xe-120

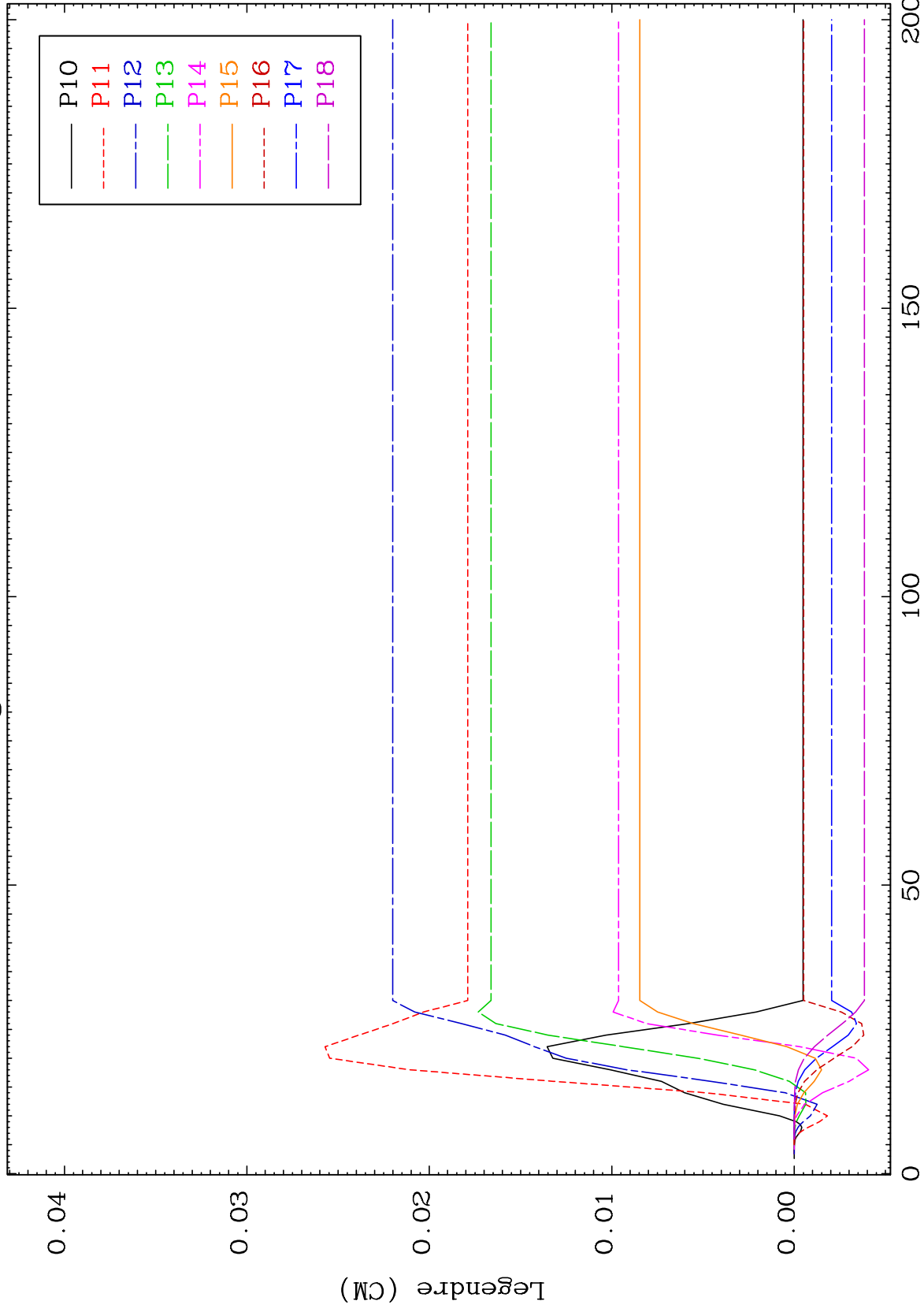
Incident Energy (MeV)

108

MAT 5413

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

54-Xe-120



109

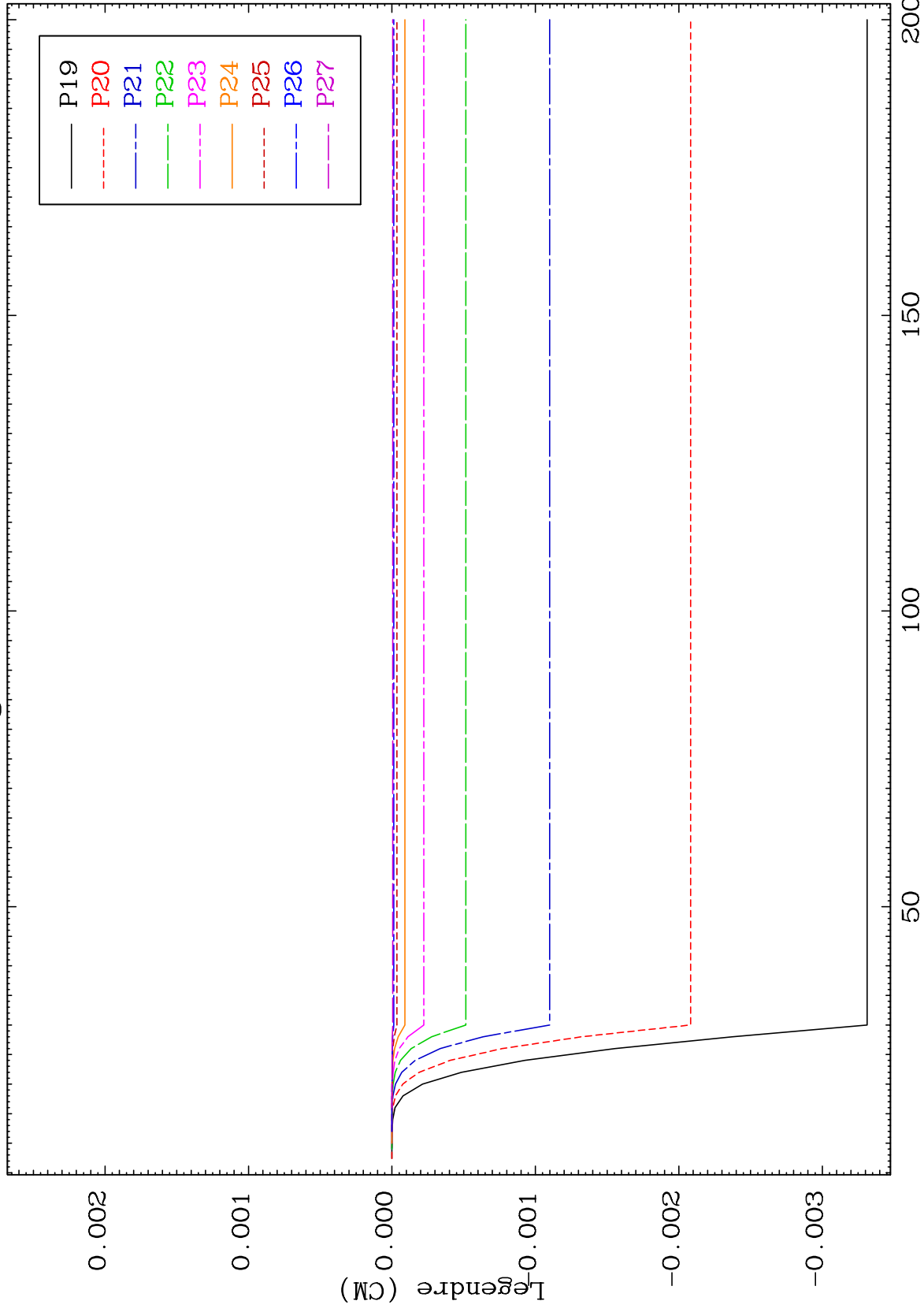
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

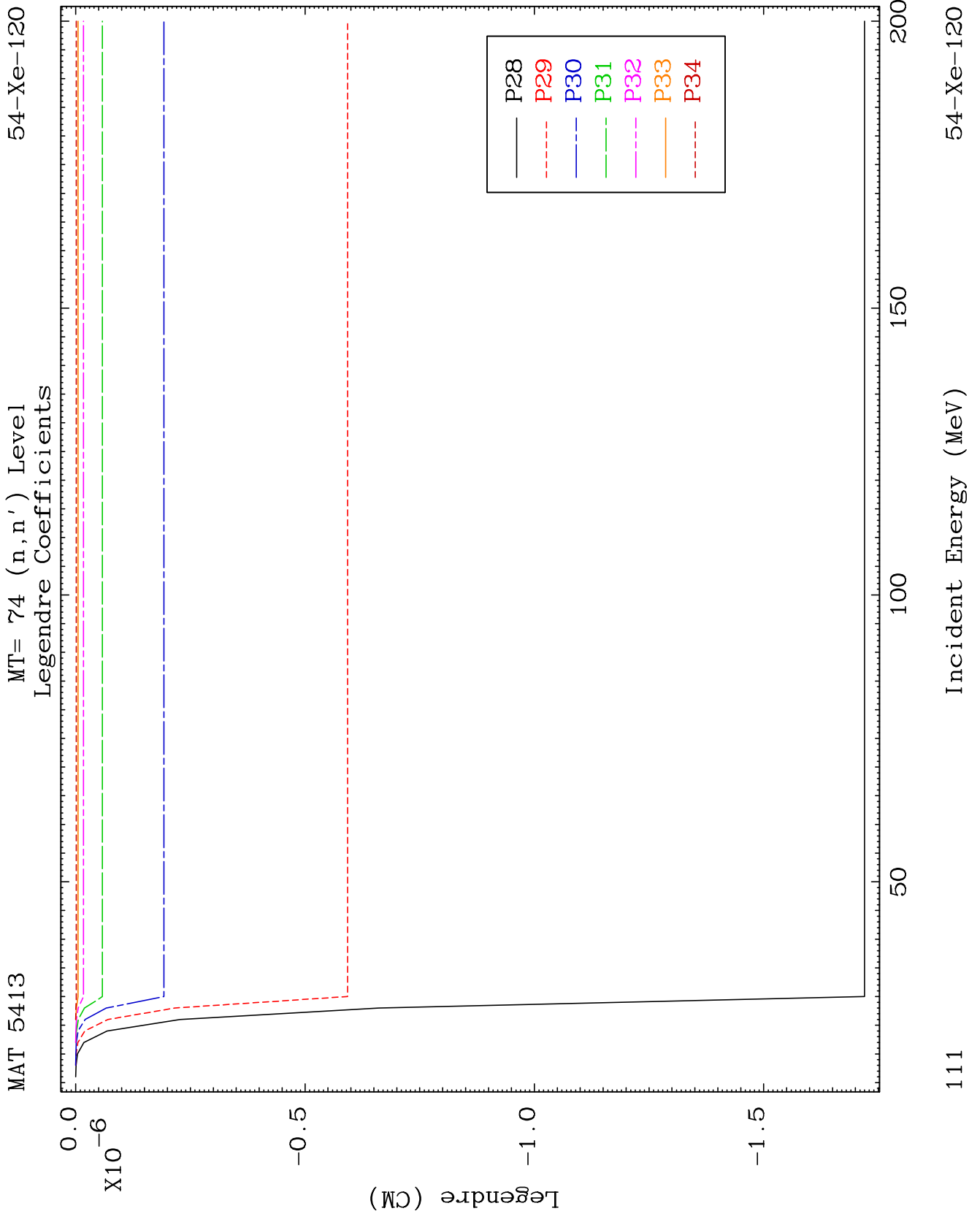
54-Xe-120



110

Incident Energy (MeV)

54-Xe-120

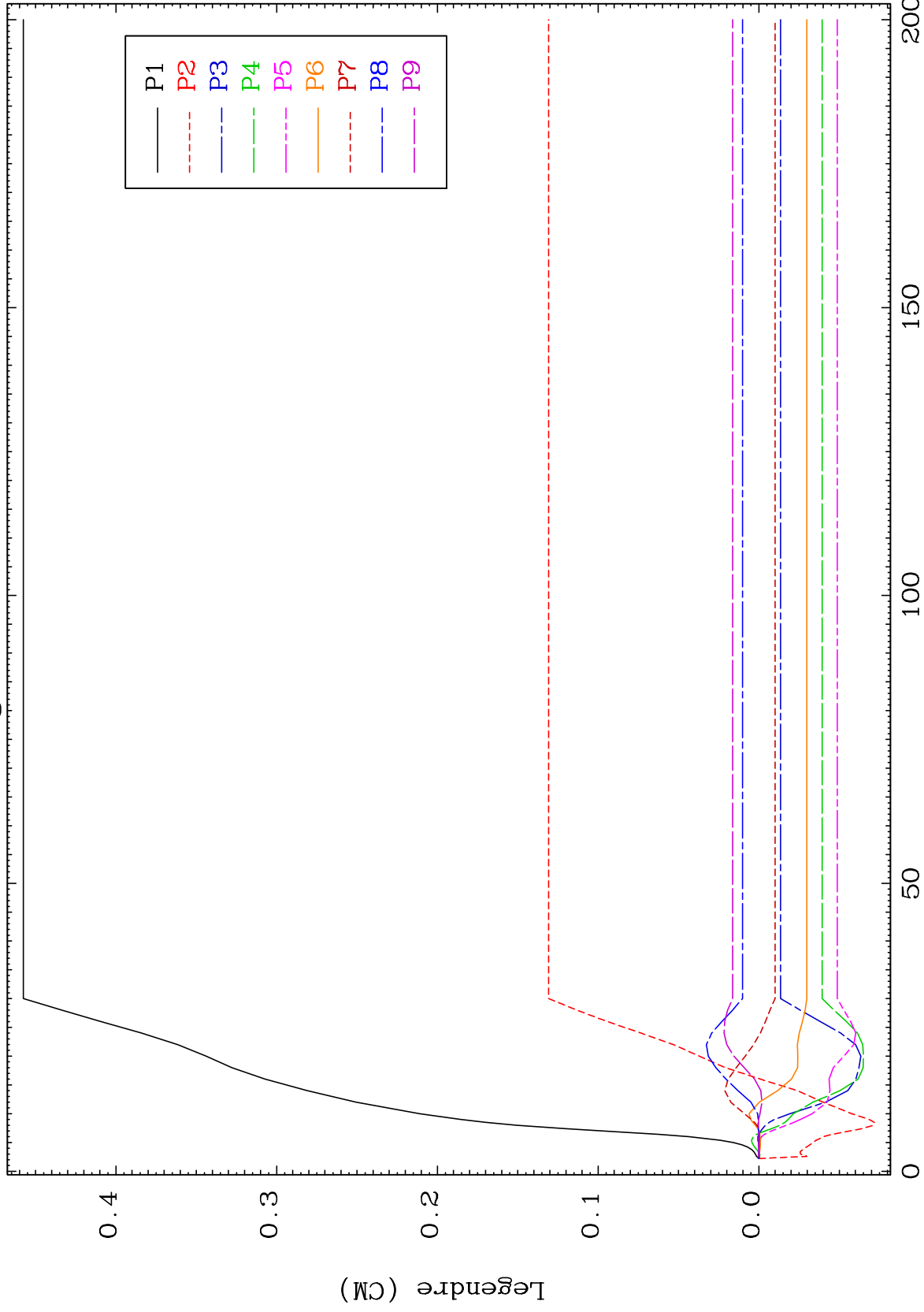




MAT 5413

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

54-Xe-120



112

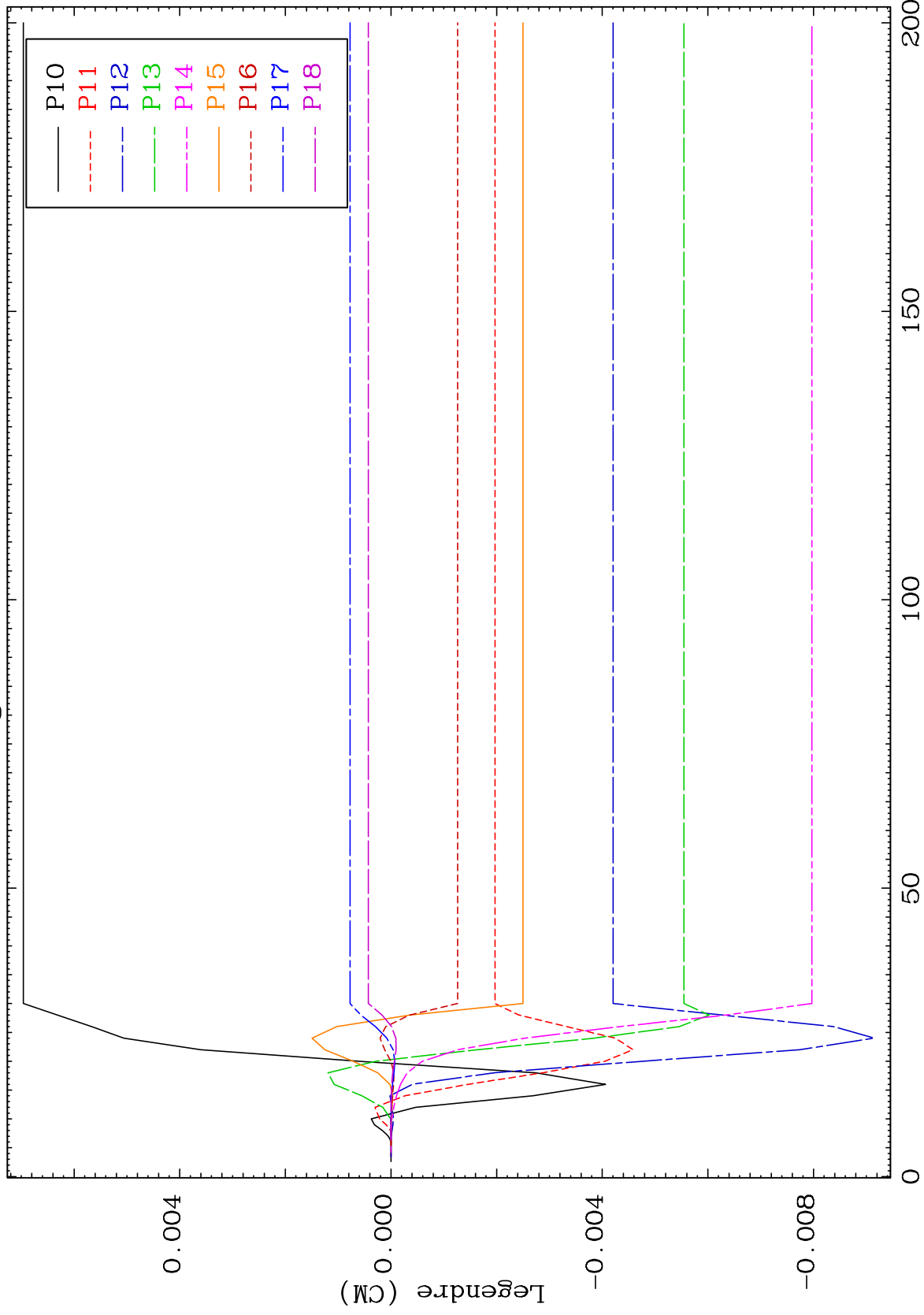
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

54-Xe-120



113

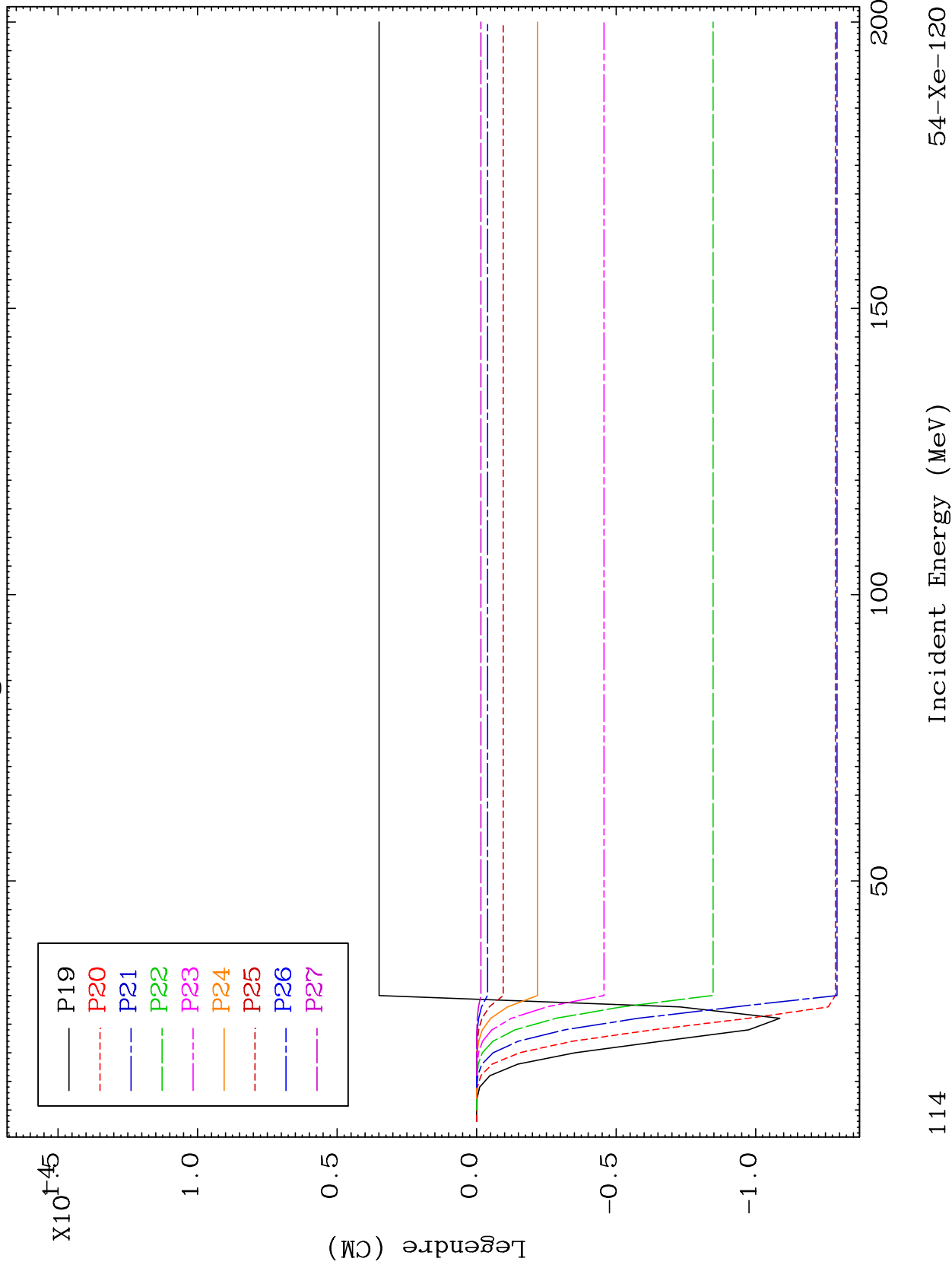
Incident Energy (MeV)

54-Xe-120

MAT 5413

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

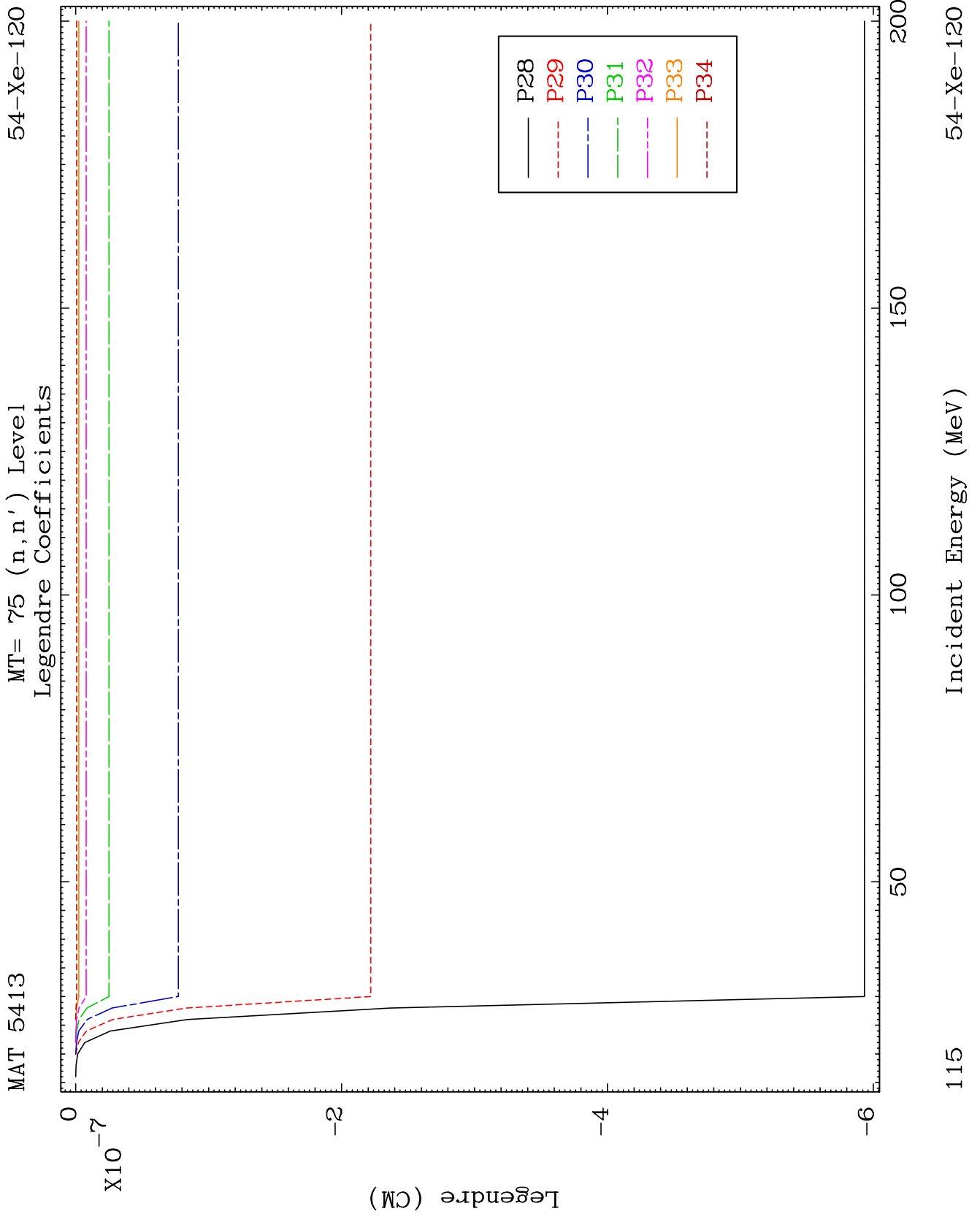
54-Xe-120

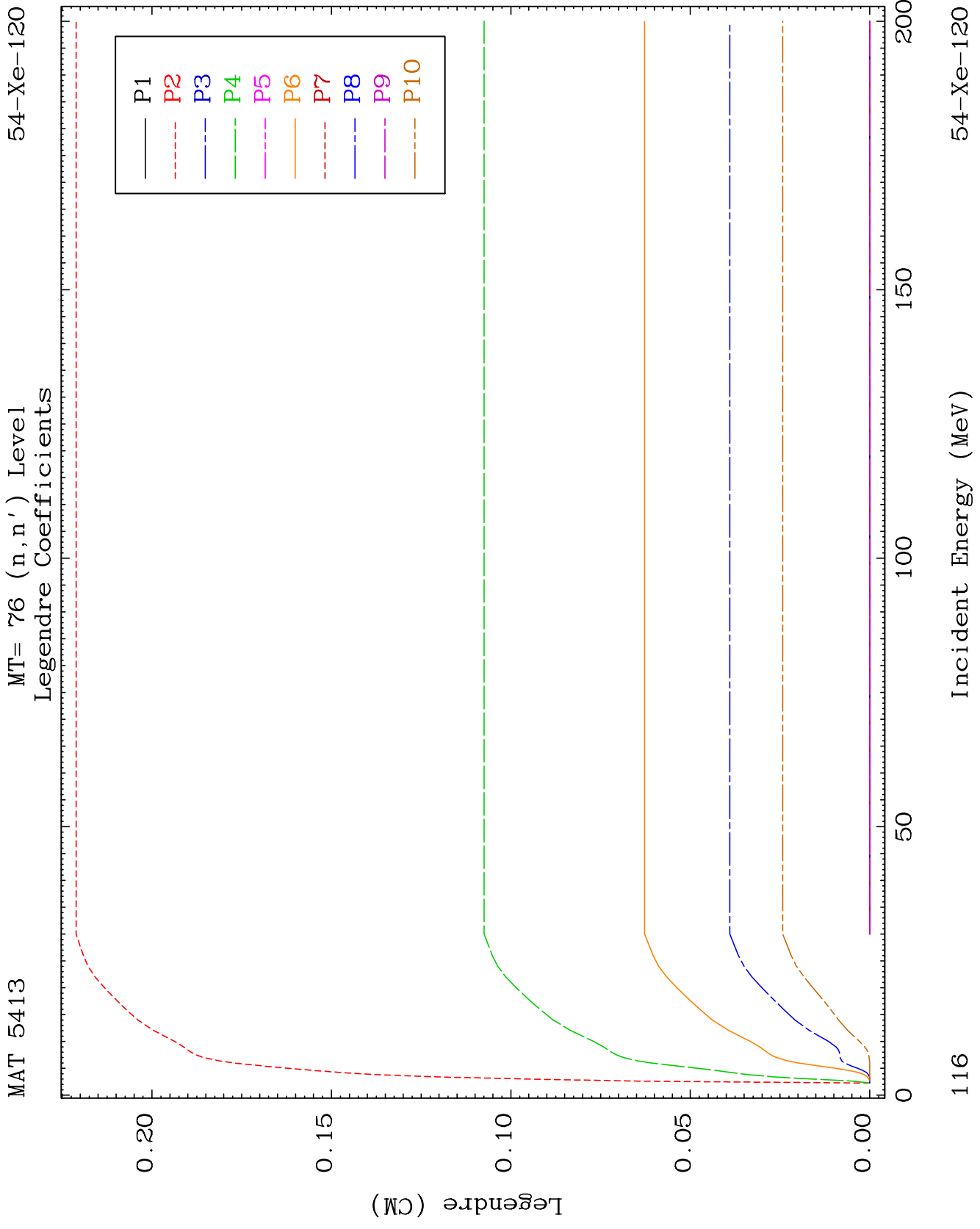


114

Incident Energy (MeV)

54-Xe-120

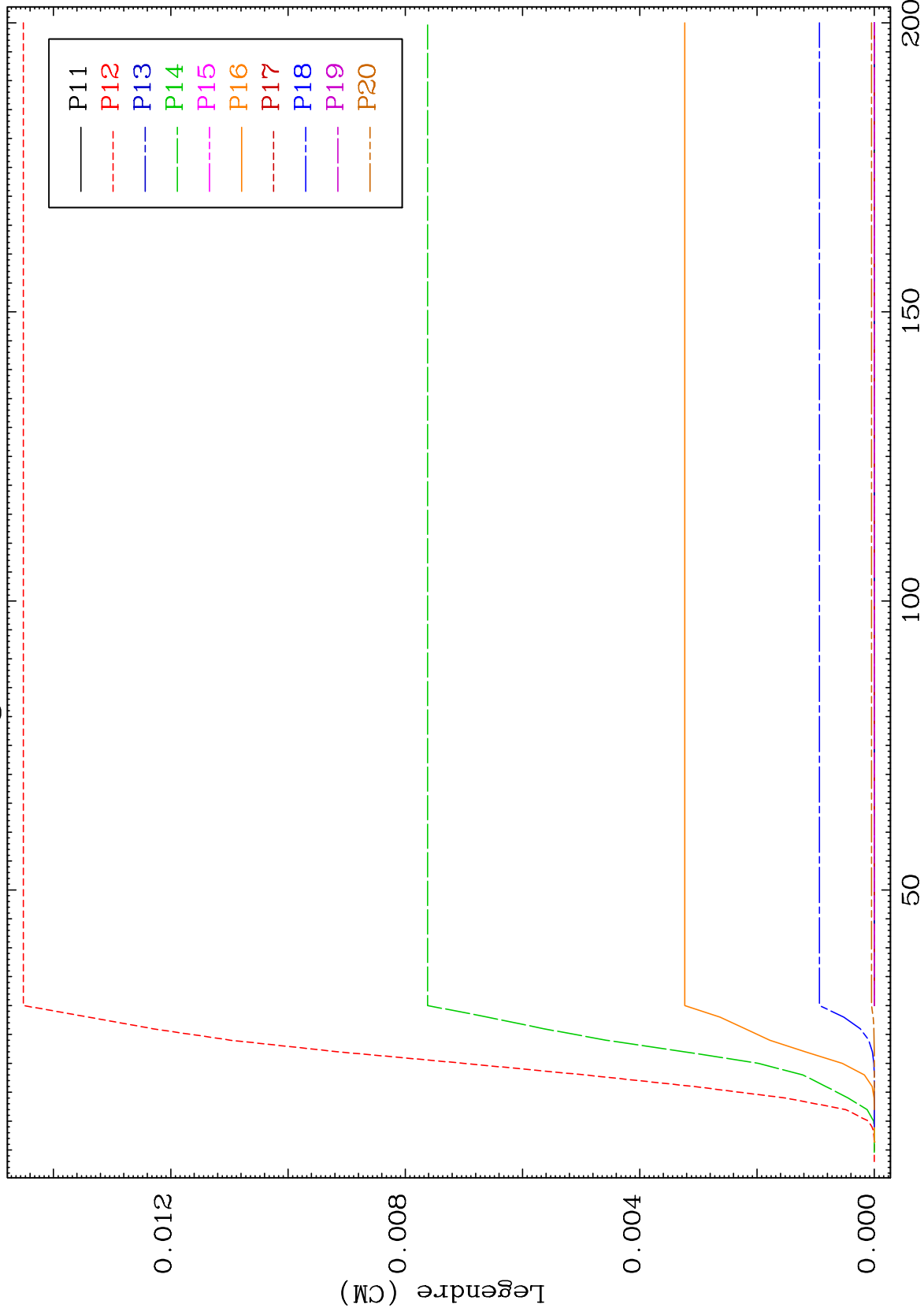




MAT 5413

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

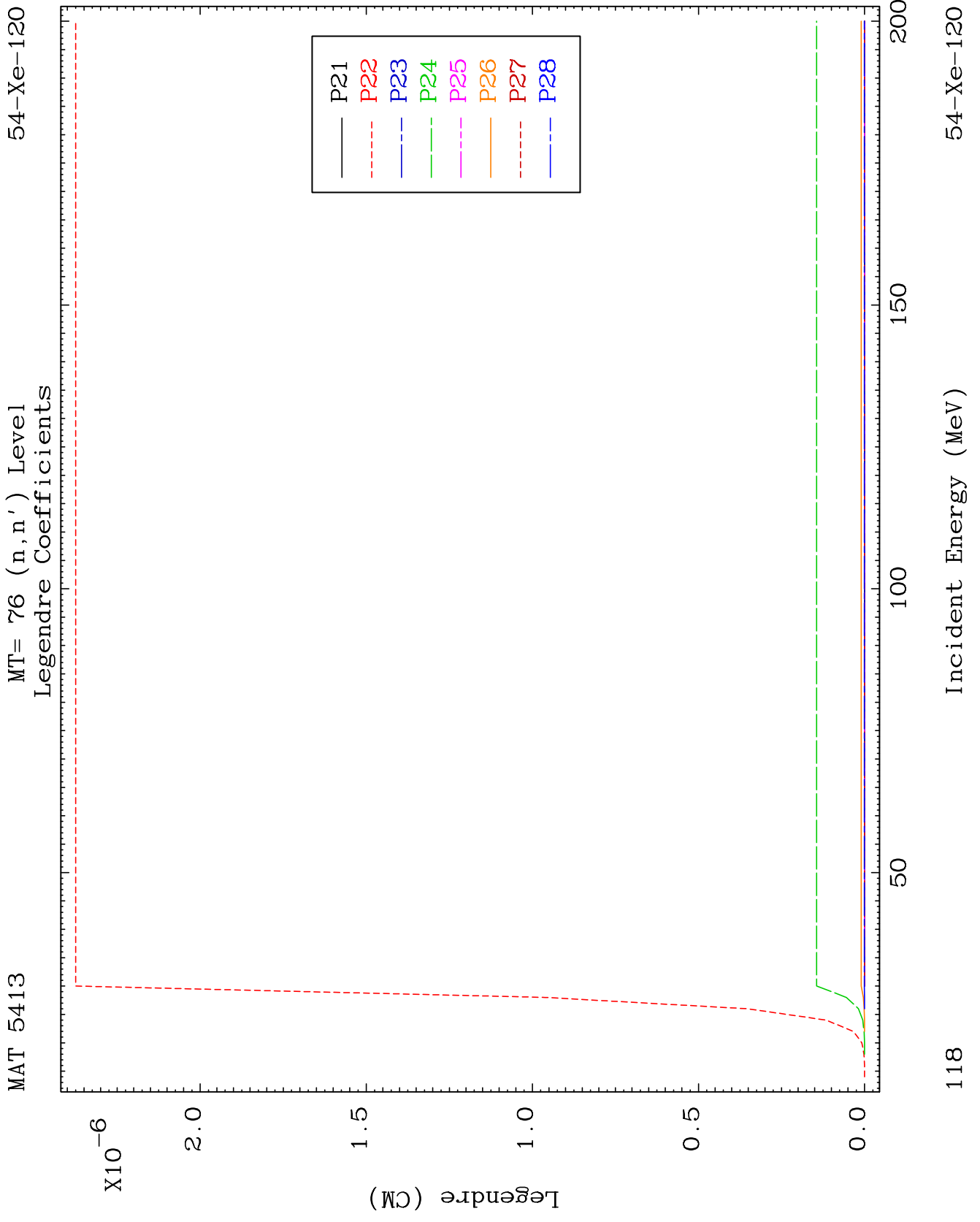
54-Xe-120



117

Incident Energy (MeV)

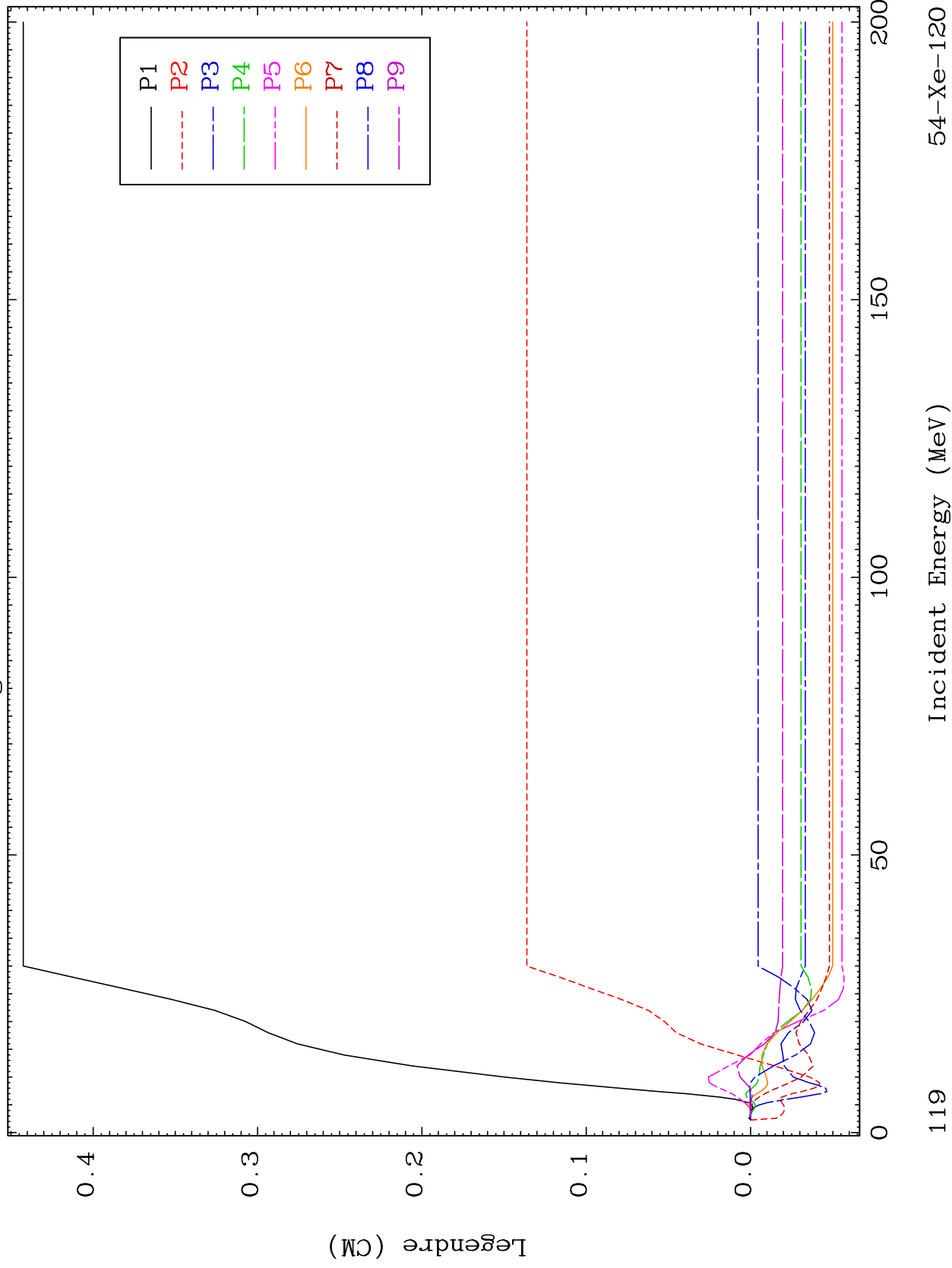
54-Xe-120



MAT 5413

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

54-Xe-120



54-Xe-120

Incident Energy (MeV)

119

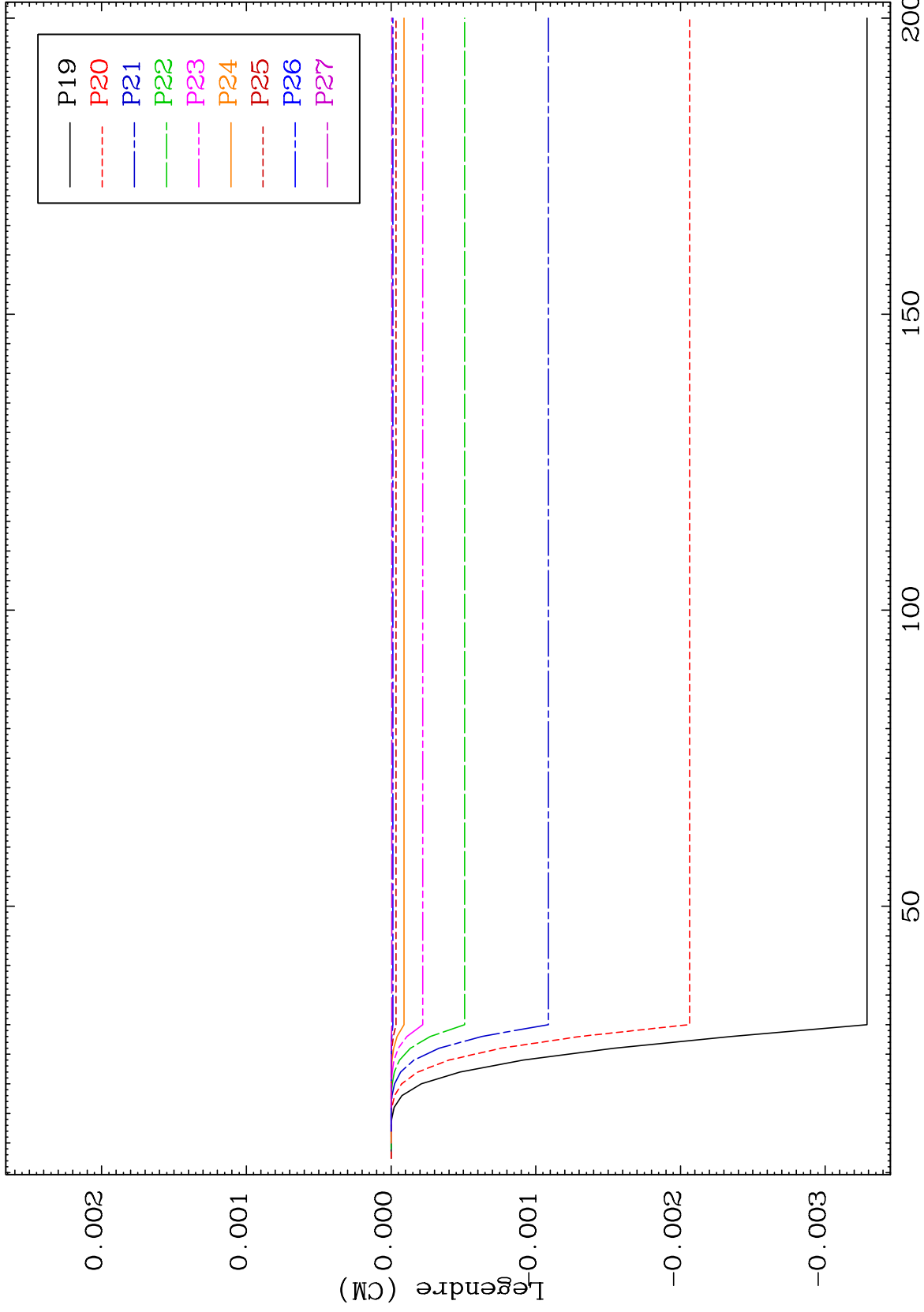




MAT 5413

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

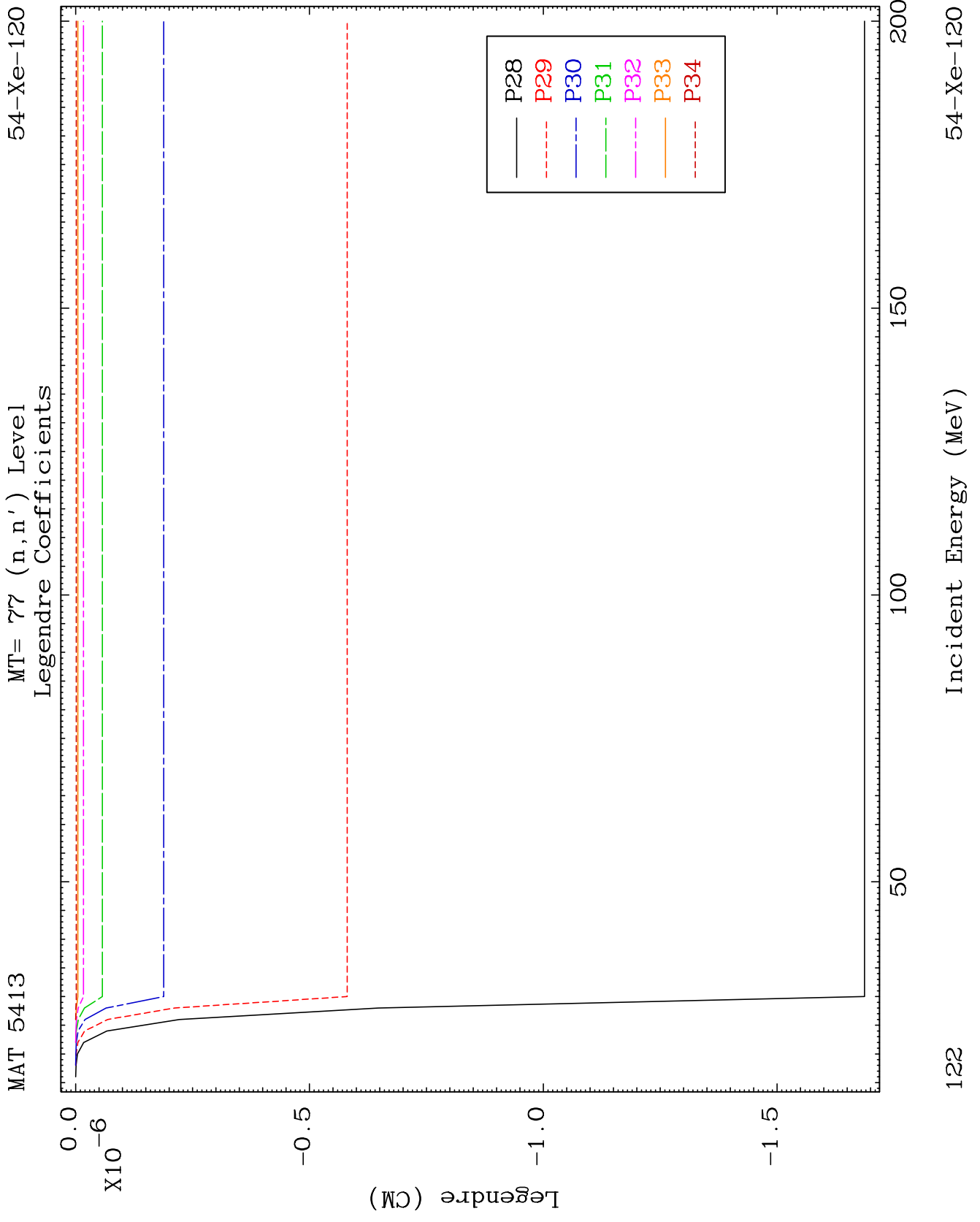
54-Xe-120



121

Incident Energy (MeV)

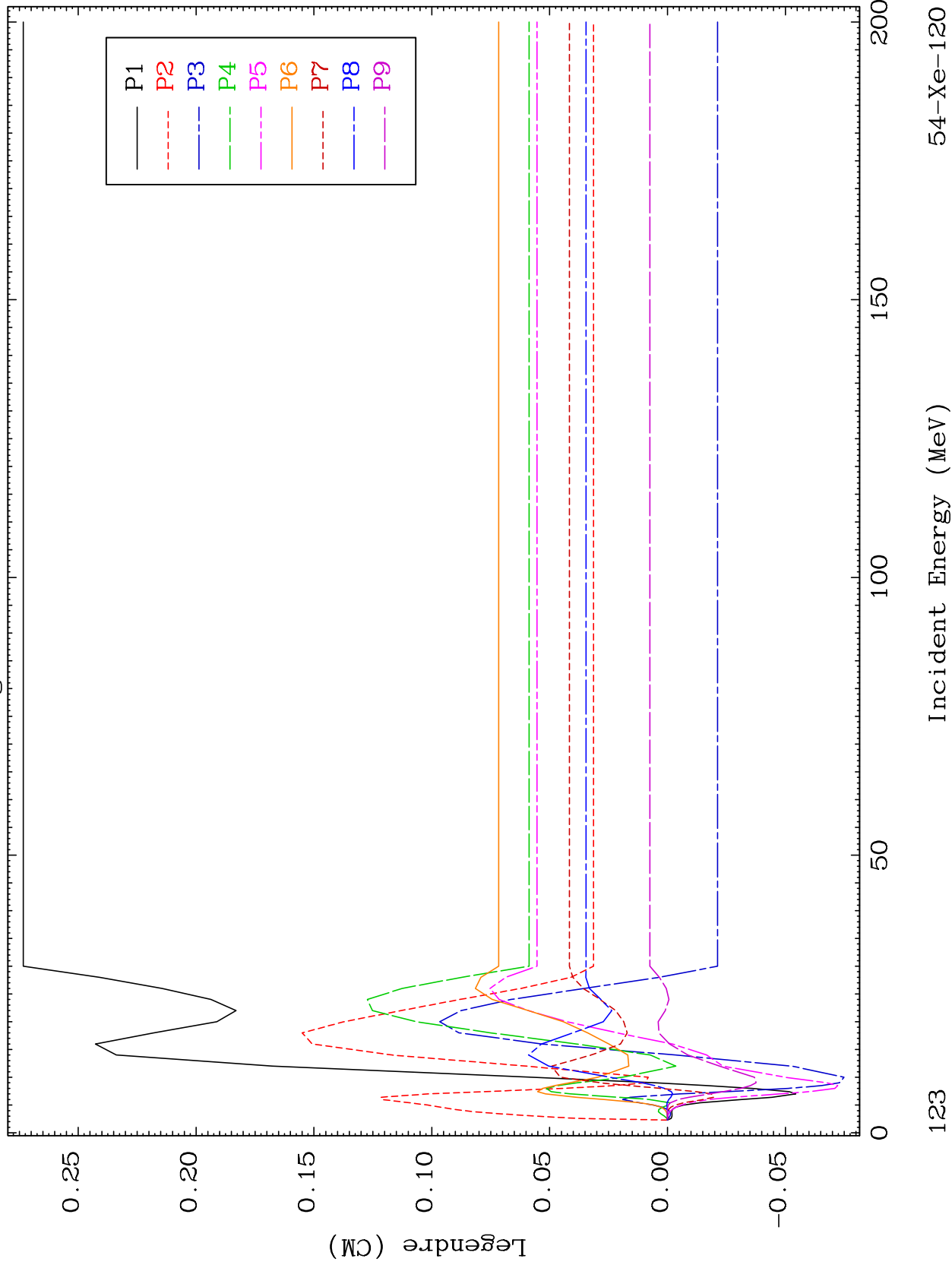
54-Xe-120



MAT 5413

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

54-Xe-120



54-Xe-120

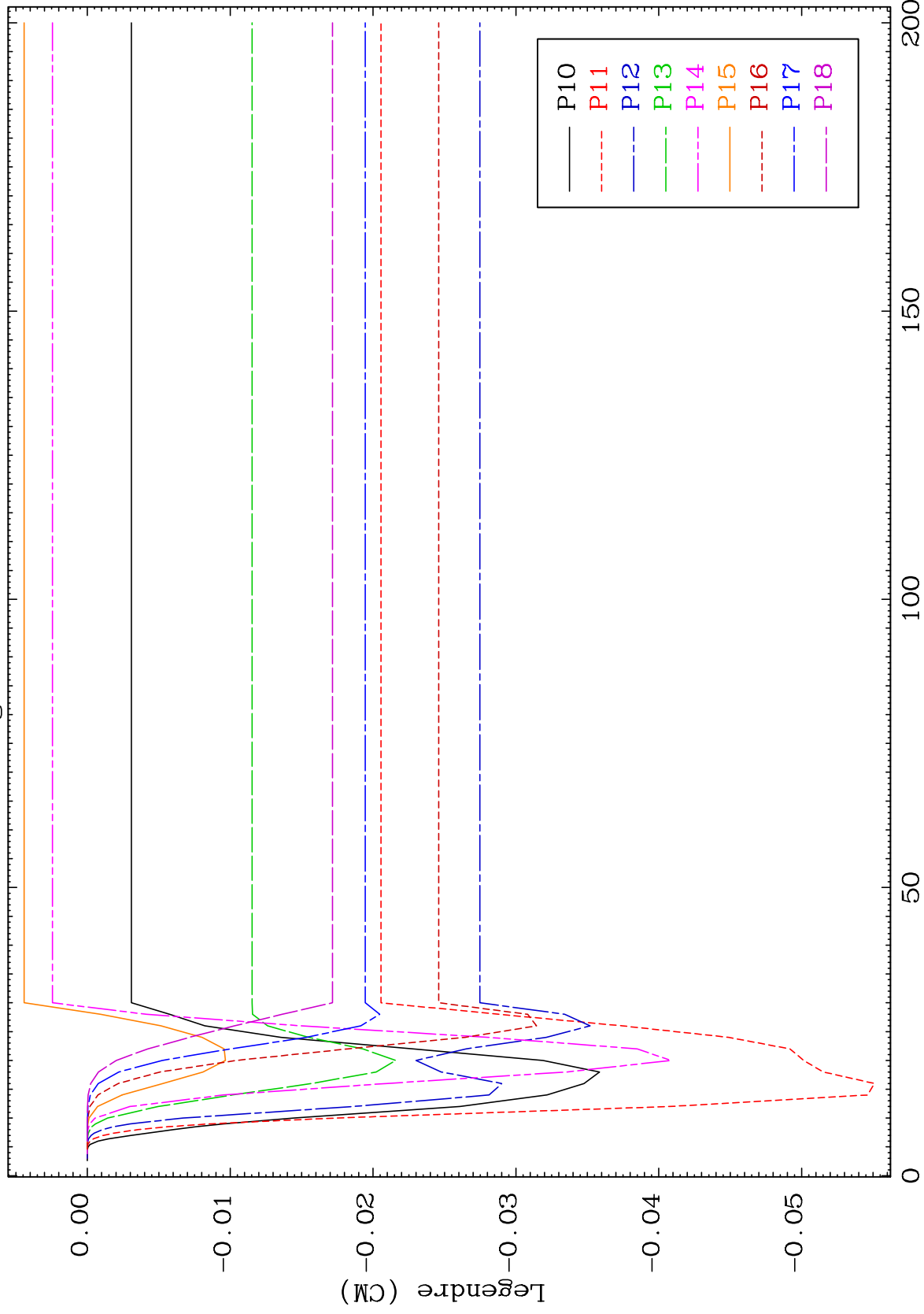
Incident Energy (MeV)

123

MAT 5413

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

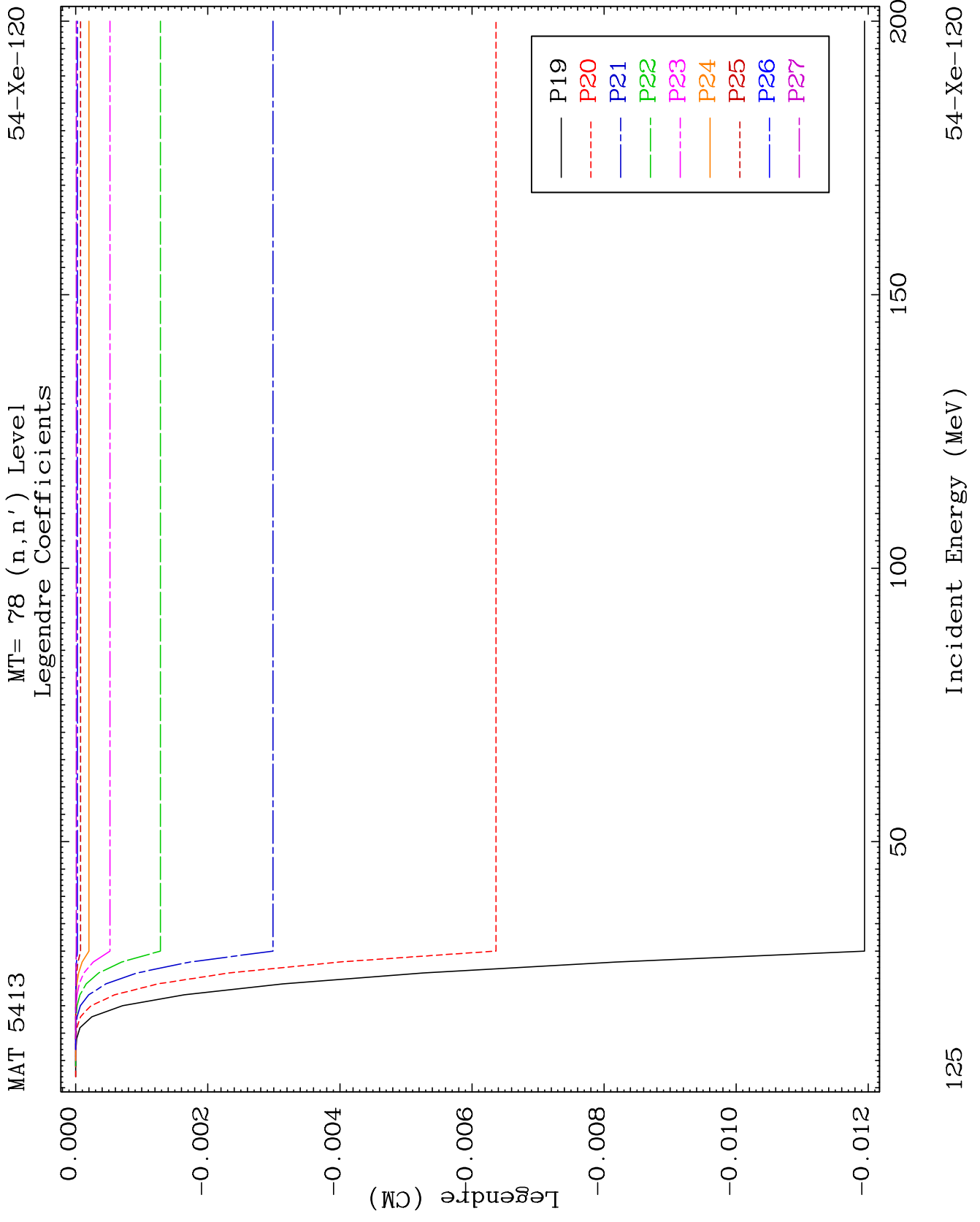
54-Xe-120

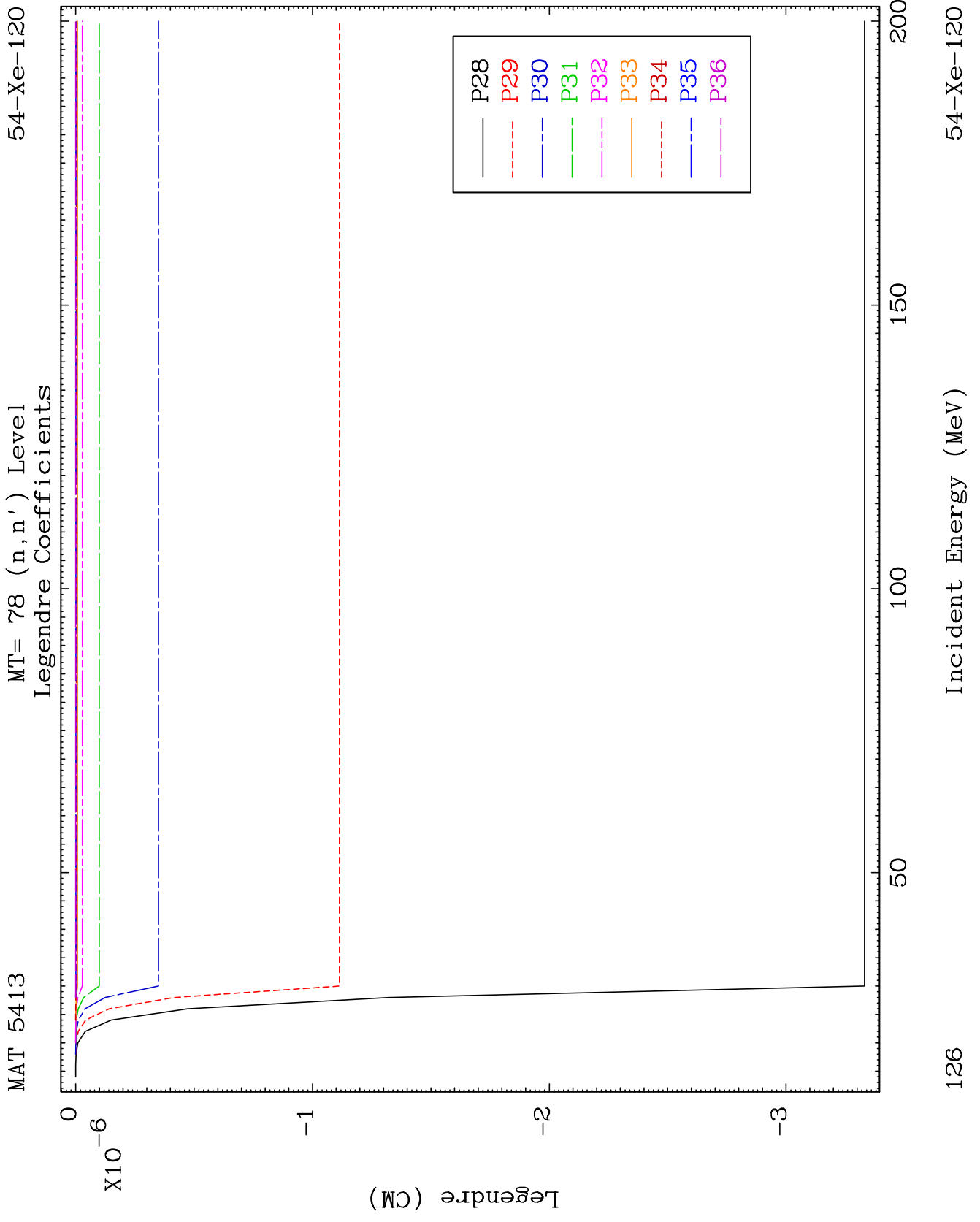


124

Incident Energy (MeV)

54-Xe-120



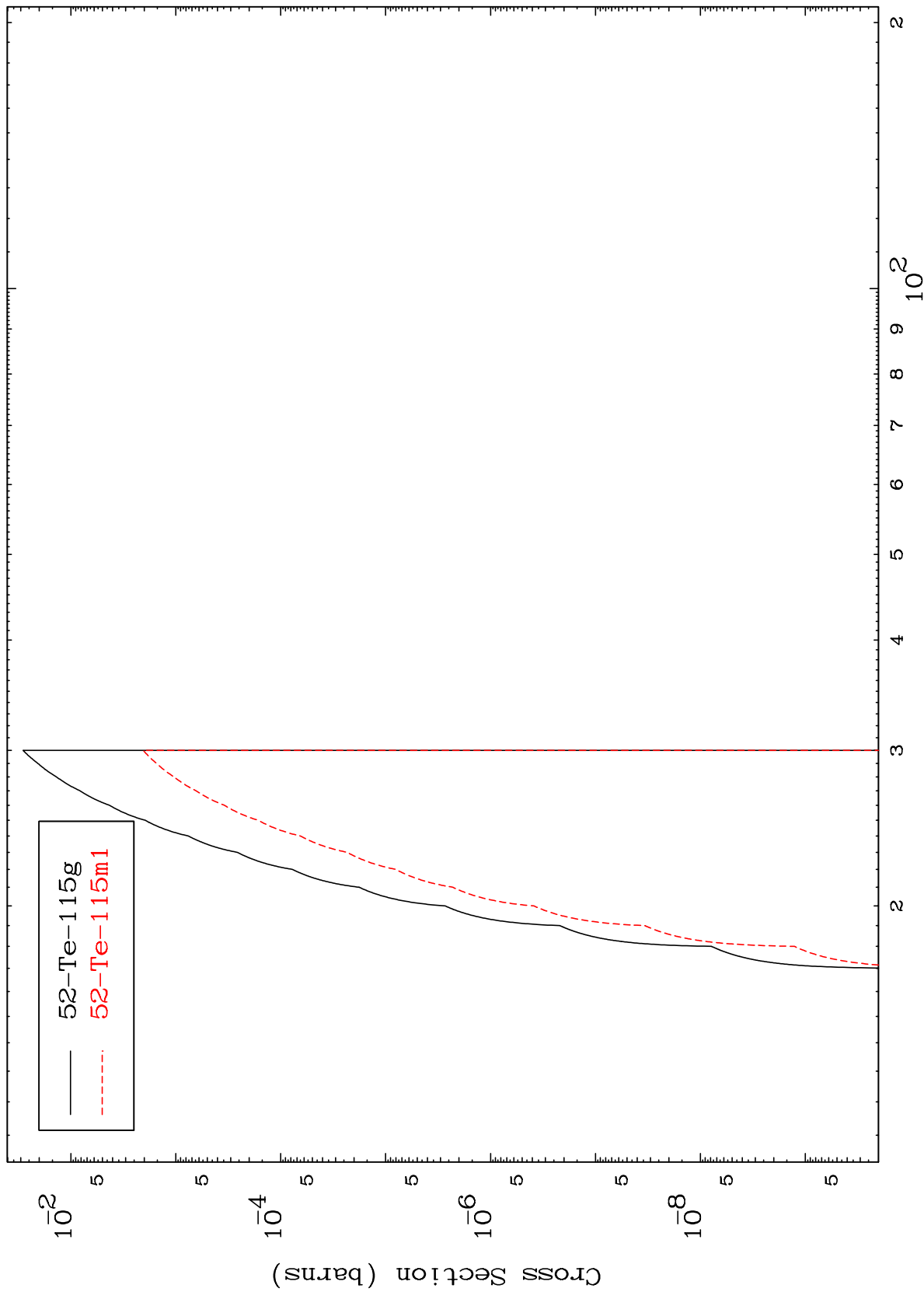


MAT 5413

(n,2n)  $\alpha$

54-Xe-120

Radionuclide Production Cross Section



127

Incident Energy (MeV)

54-Xe-120

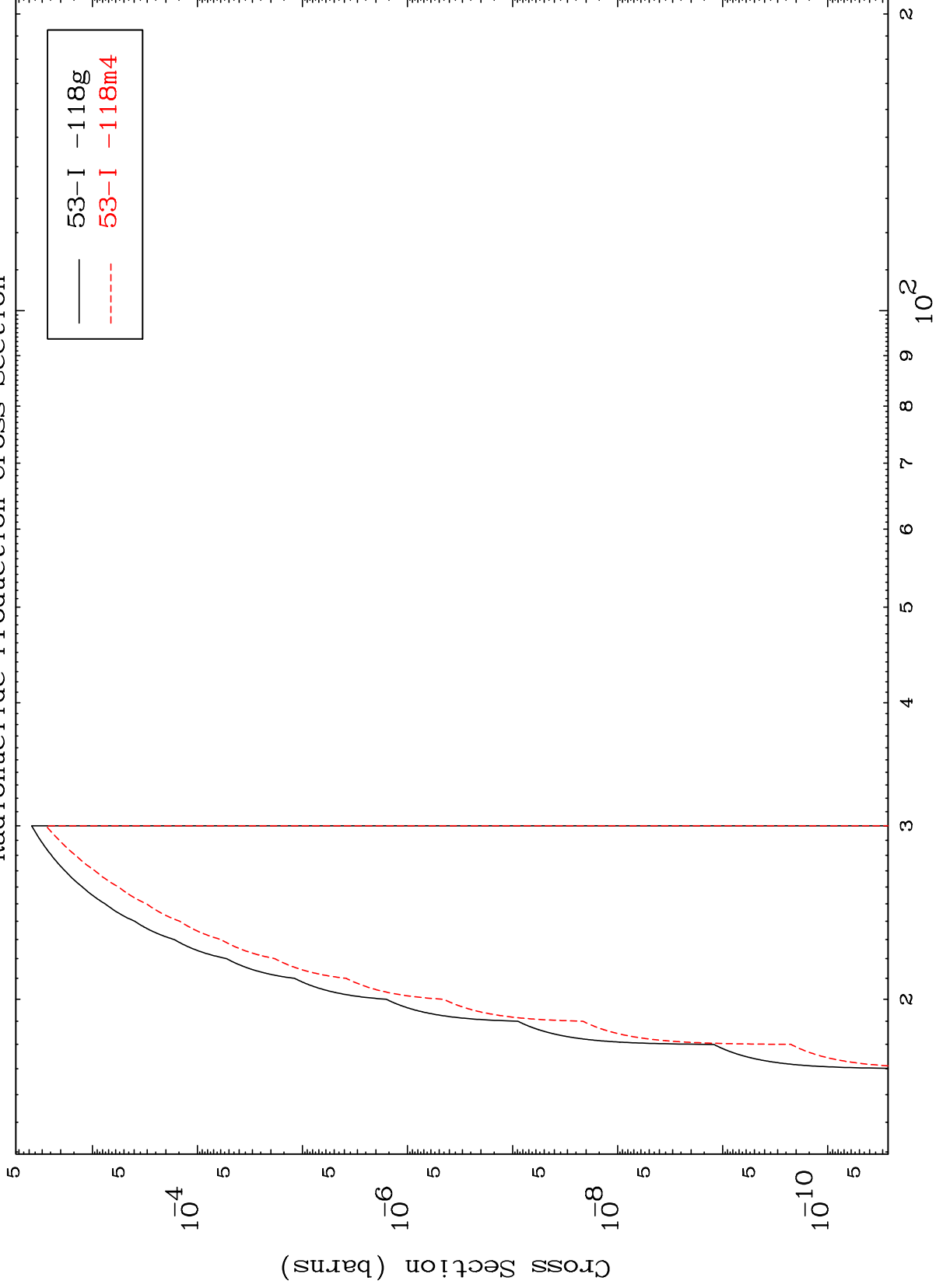


MAT 5413

(n,n') d

54-Xe-120

Radionuclide Production Cross Section



128

Incident Energy (MeV)

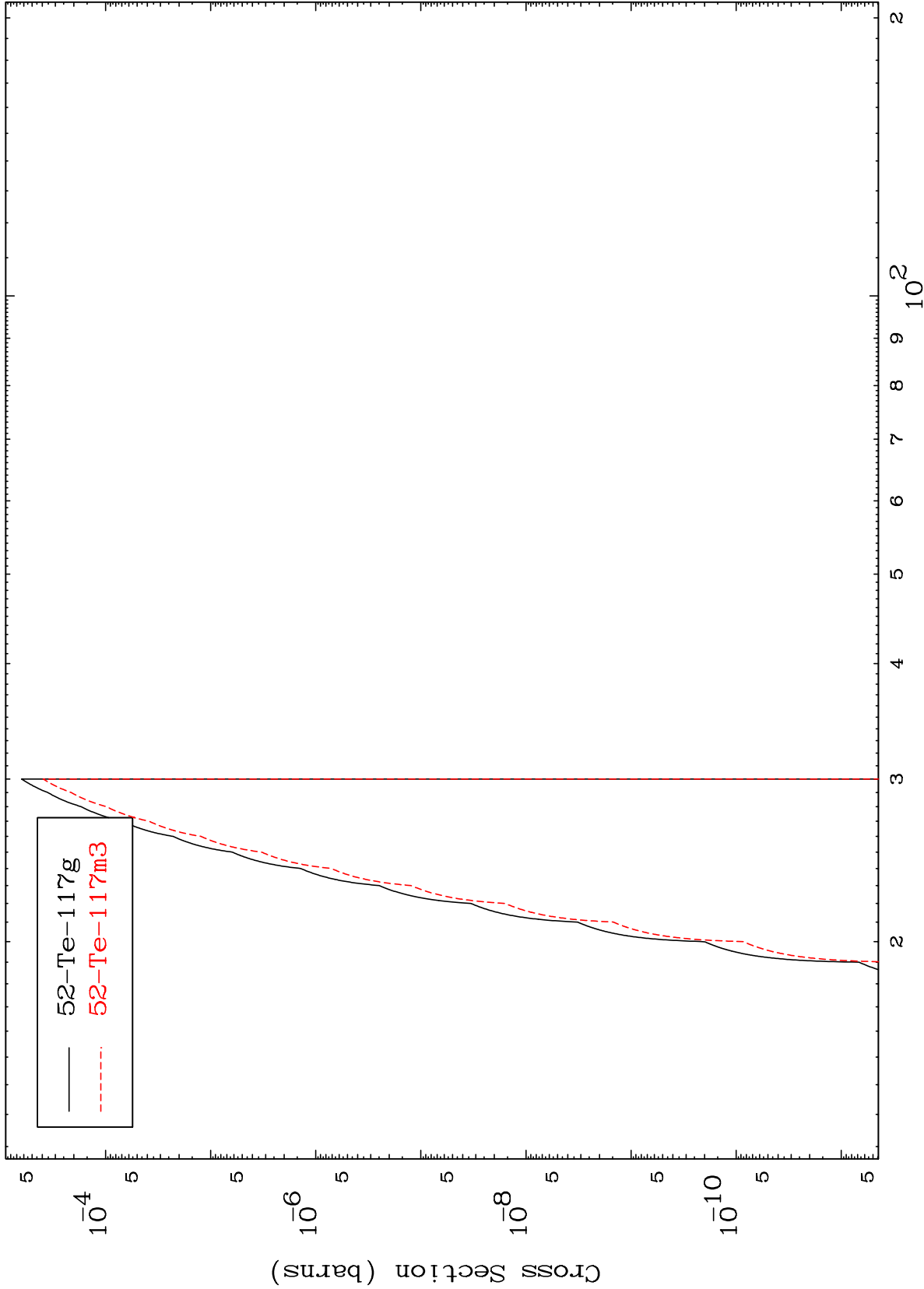
54-Xe-120

MAT 5413

(n,n') He-3

54-Xe-120

Radionuclide Production Cross Section

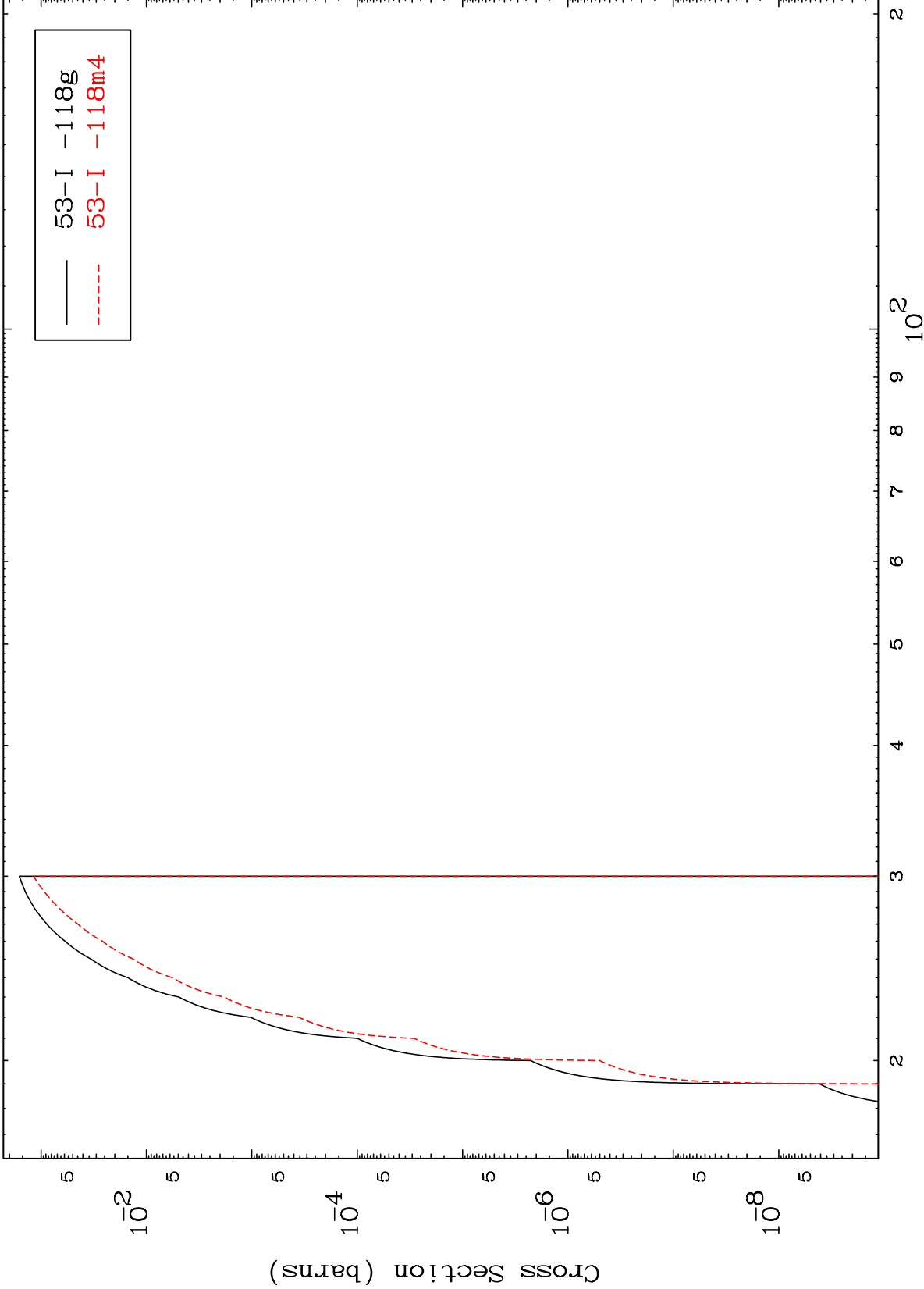


MAT 5413

(n,2n) p

54-Xe-120

Radionuclide Production Cross Section



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

130

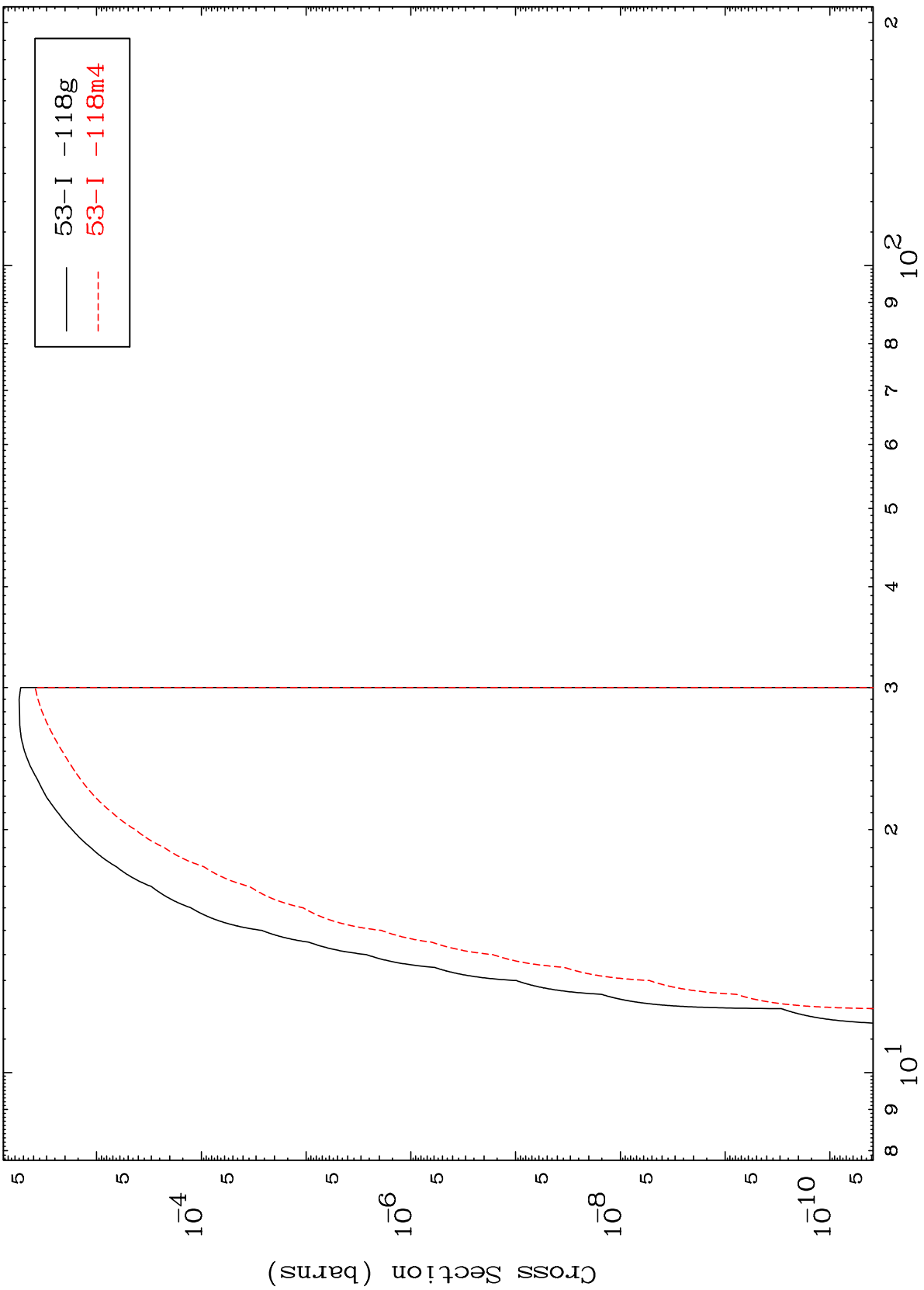
Incident Energy (MeV)

54-Xe-120

MAT 5413

54-Xe-120

(n,t)  
Radionuclide Production Cross Section



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

131

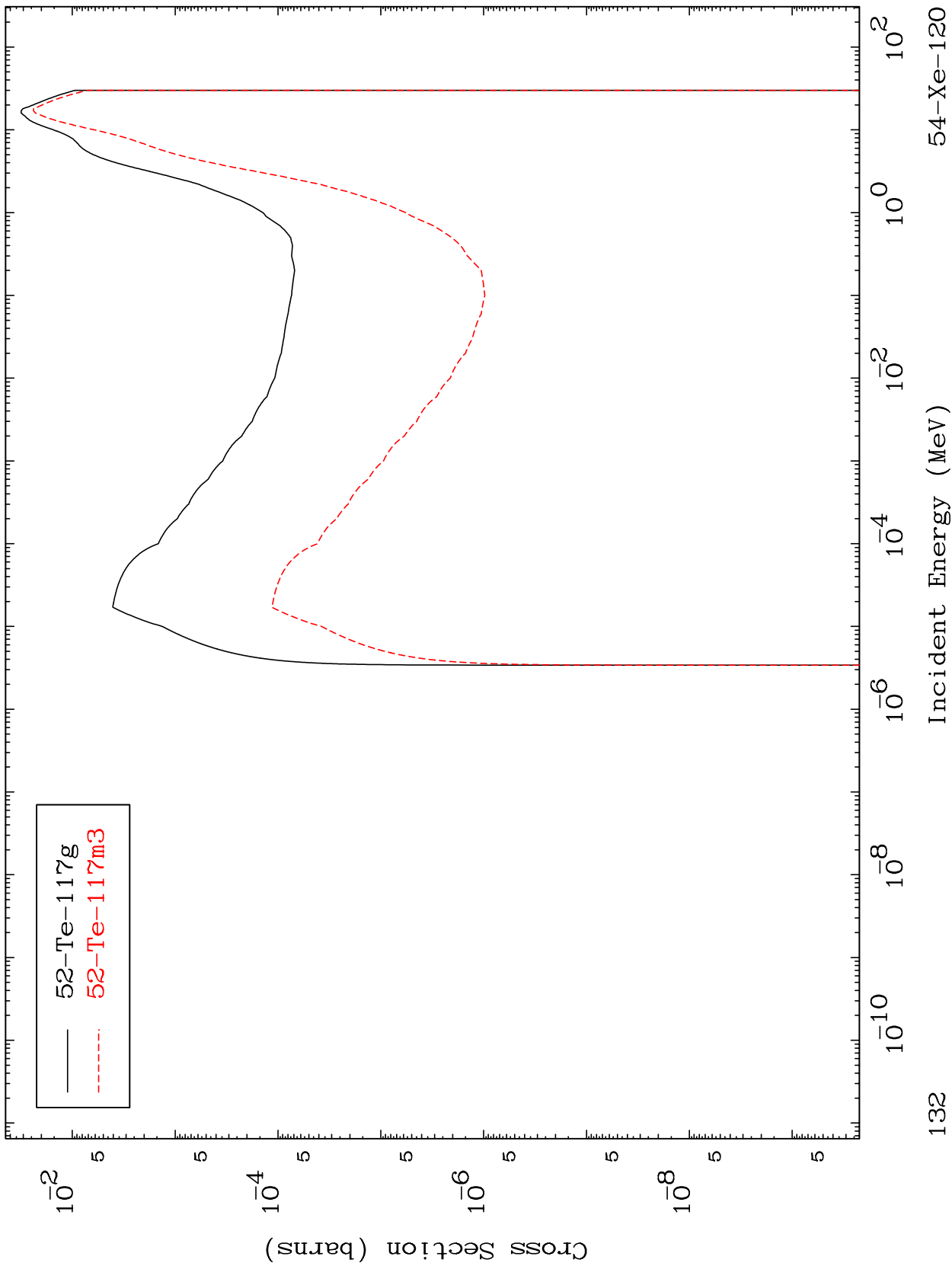
Incident Energy (MeV)

54-Xe-120

MAT 5413

54-Xe-120

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

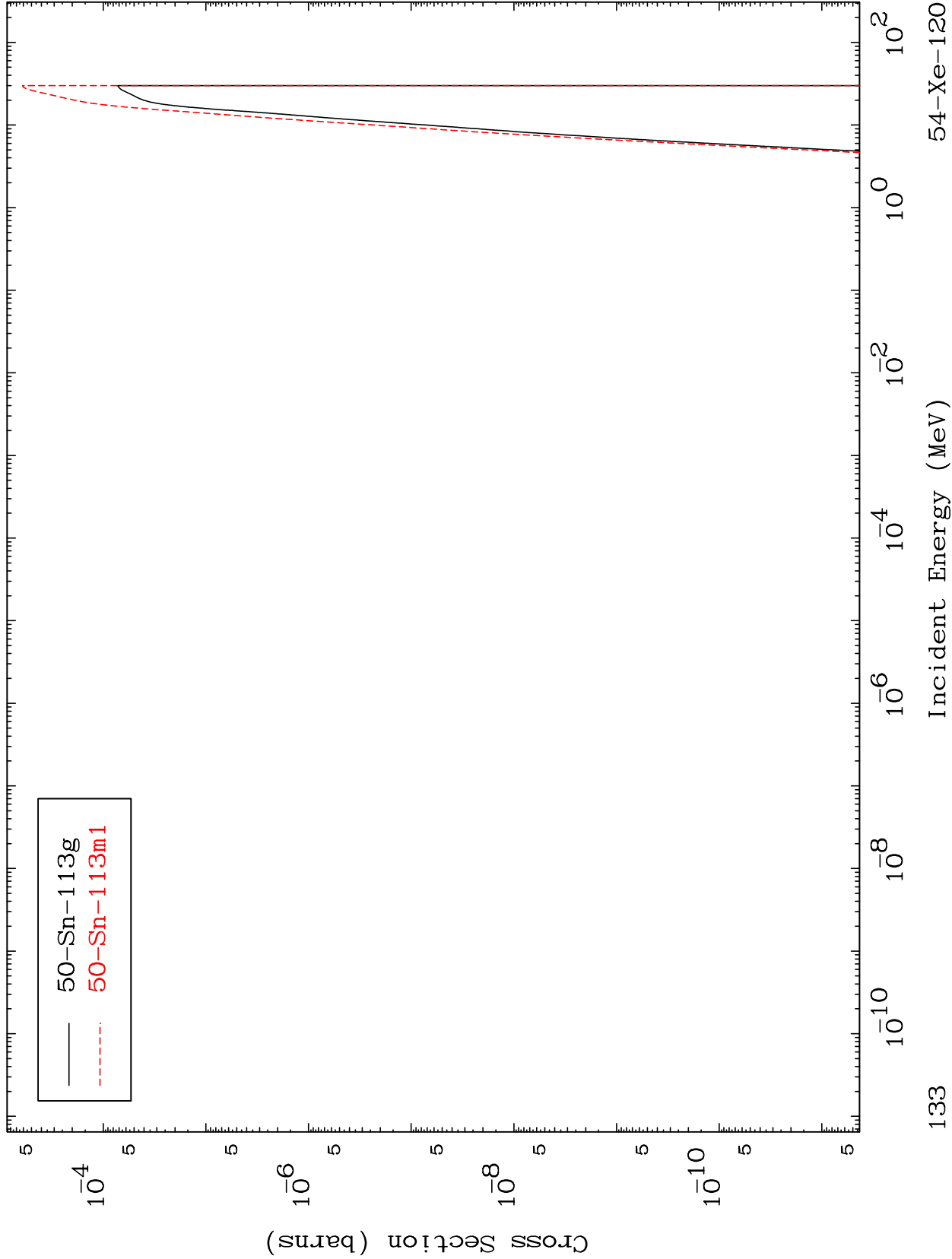


MAT 5413

(n,2α)

54-Xe-120

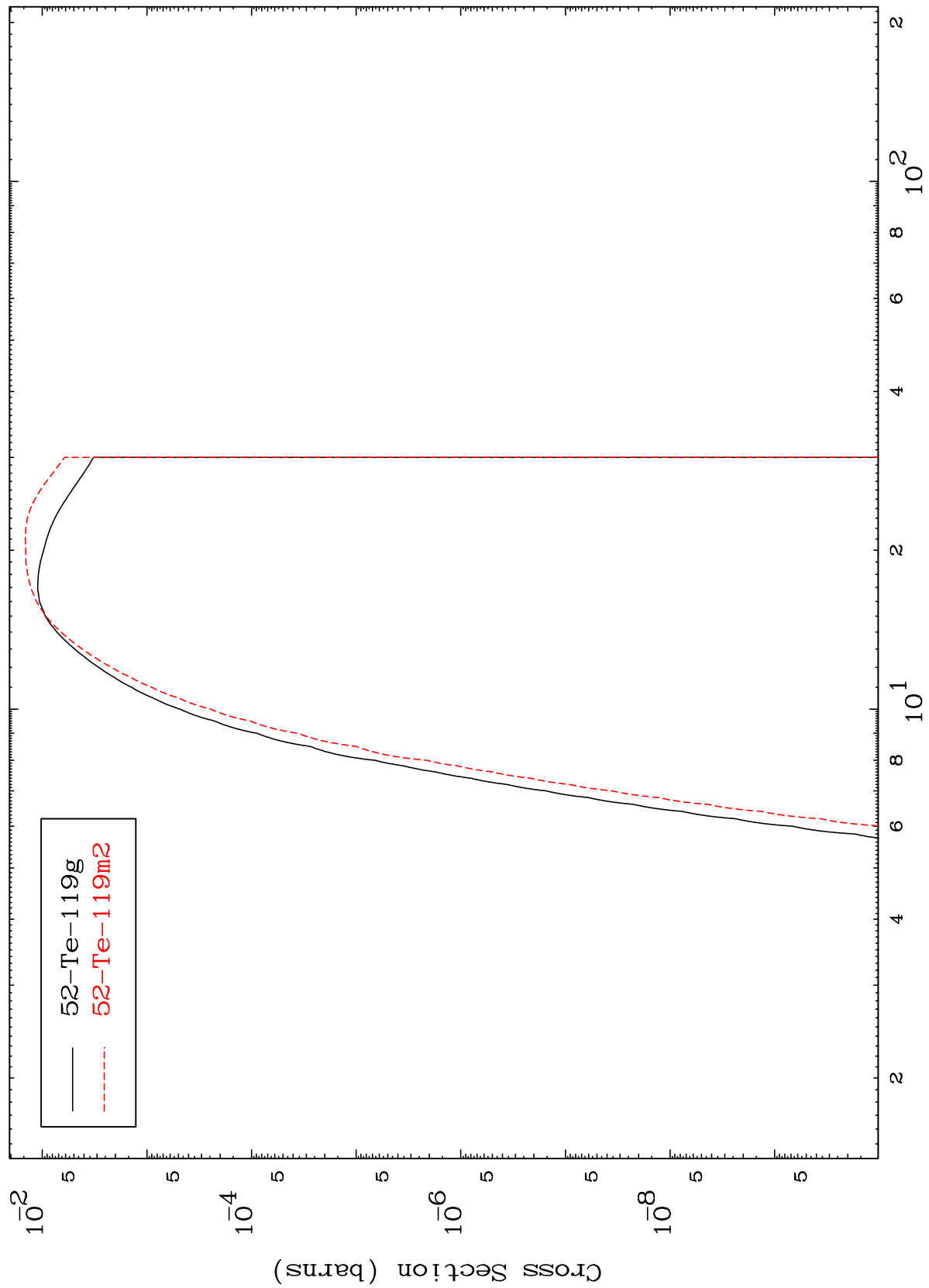
Radionuclide Production Cross Section



MAT 5413

54-Xe-120

(n,2p)  
Radionuclide Production Cross Section



134

54-Xe-120

Incident Energy (MeV)



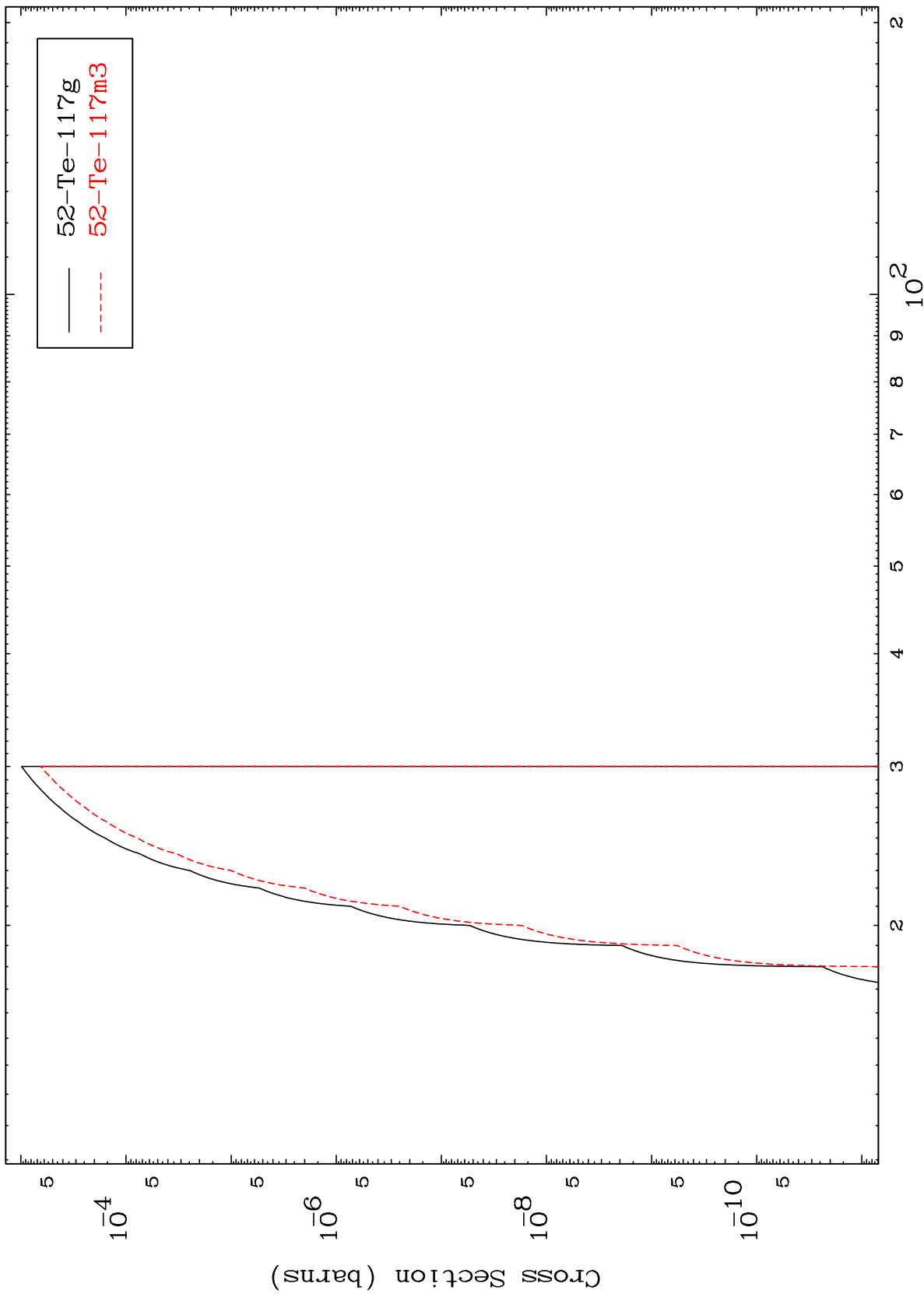


MAT 5413

(n,p) t

54-Xe-120

Radionuclide Production Cross Section



136

Incident Energy (MeV)

54-Xe-120