

Program EVALPLOT  
(Version 2015-2)

by

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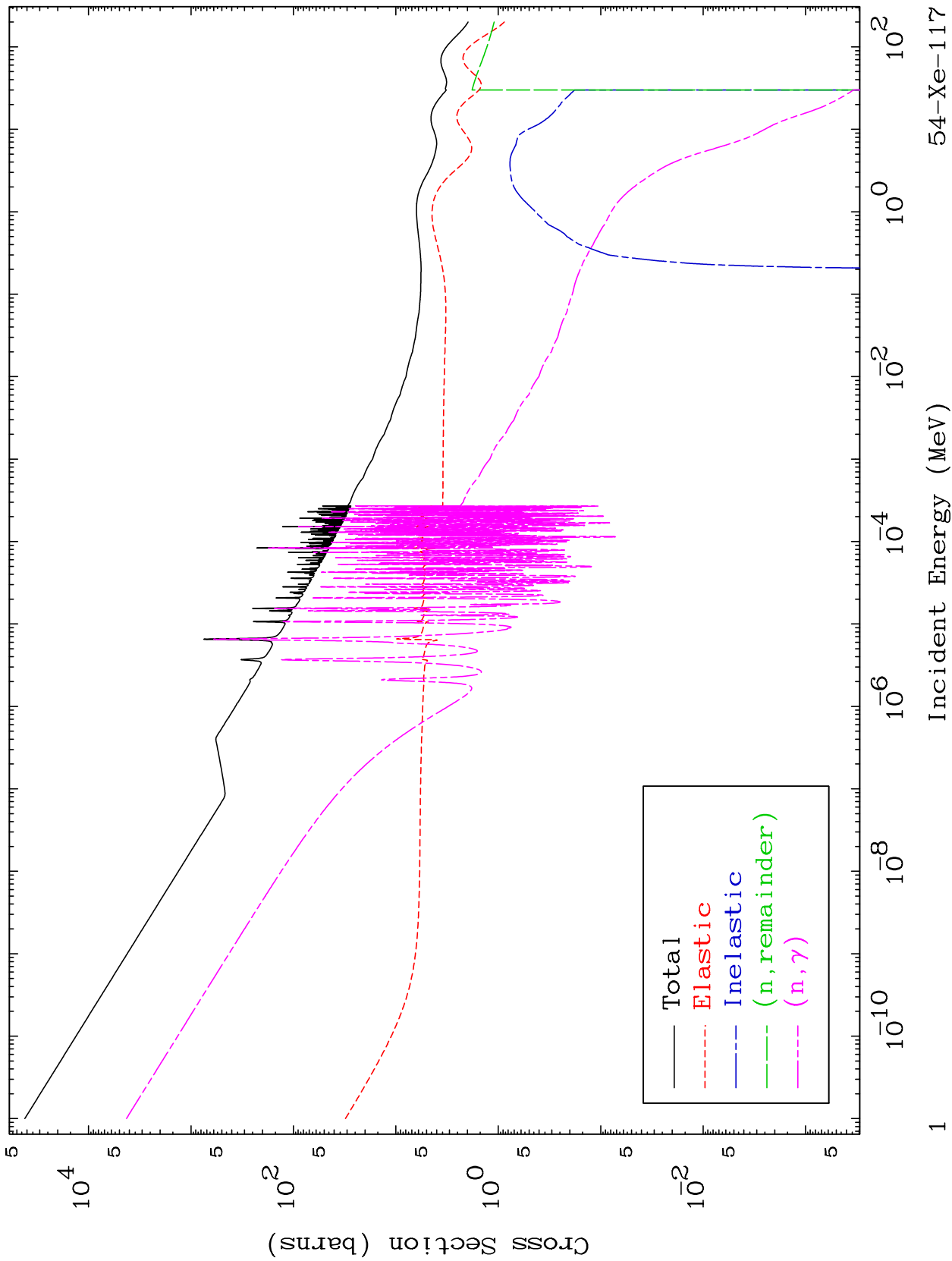
Press Mouse Button to Start

MAT 5404

Major

293 Kelvin Cross Sections

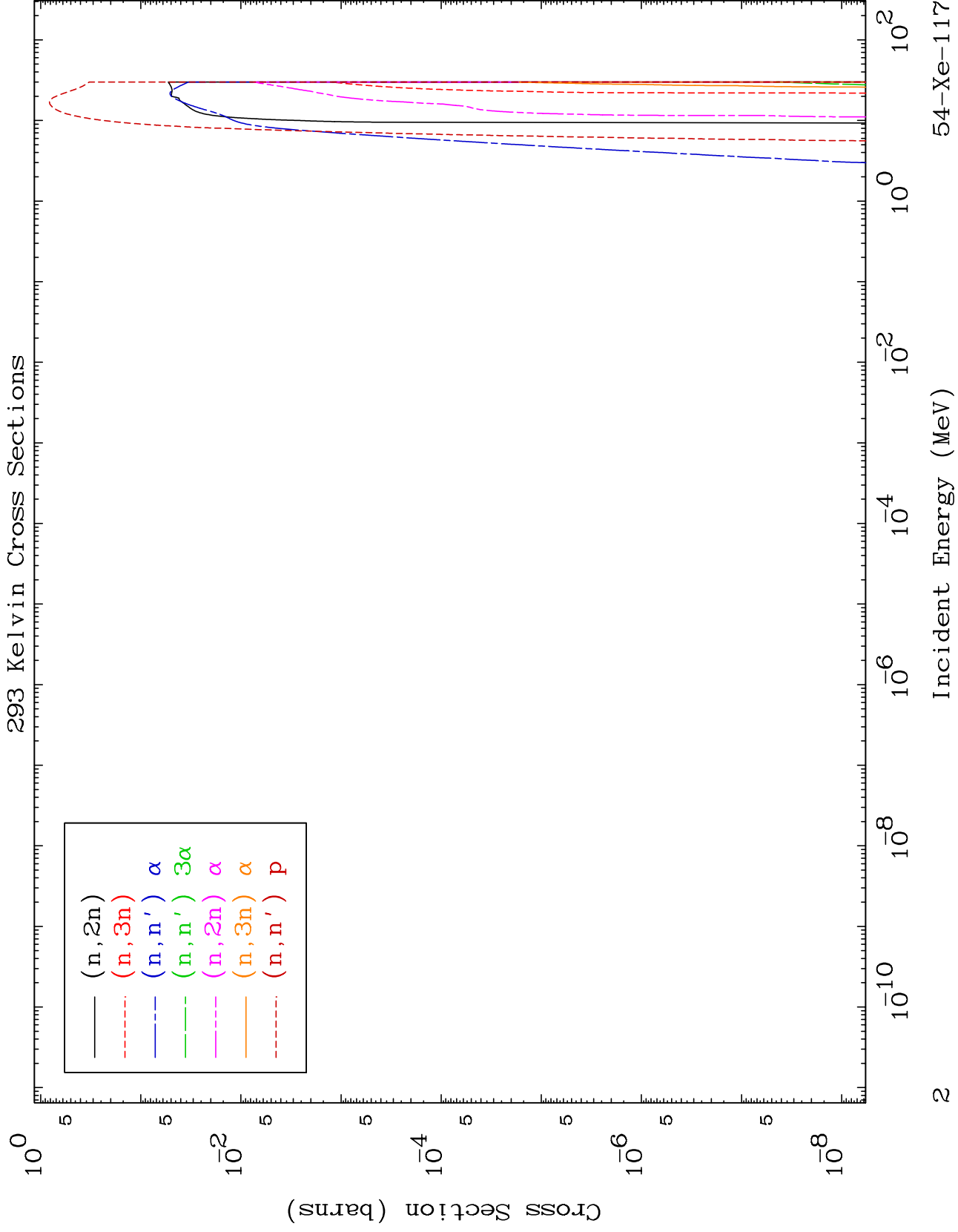
54-Xe-117



MAT 5404

Neutron Production  
293 Kelvin Cross Sections

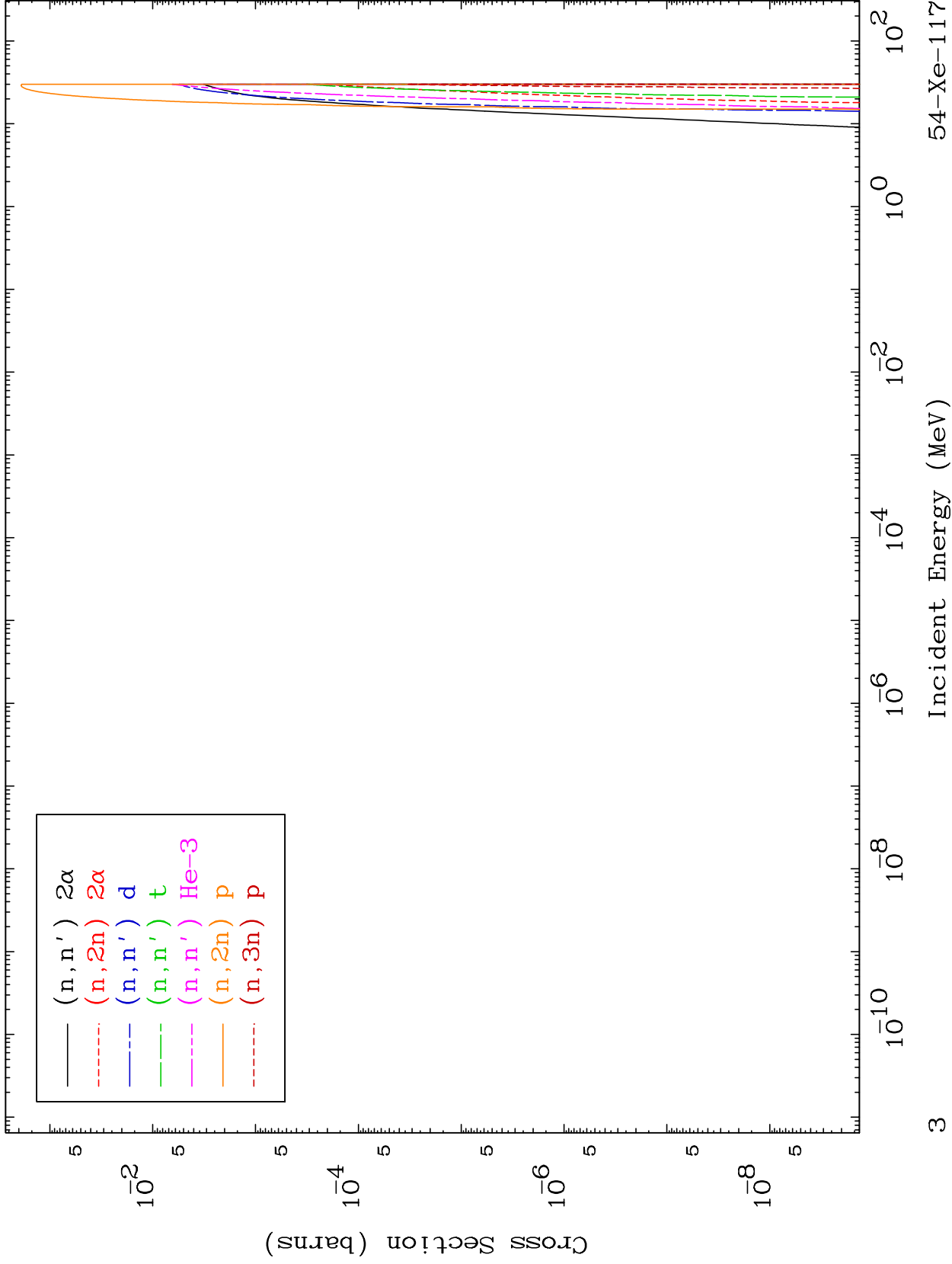
54-Xe-117



MAT 5404

Neutron Production  
293 Kelvin Cross Sections

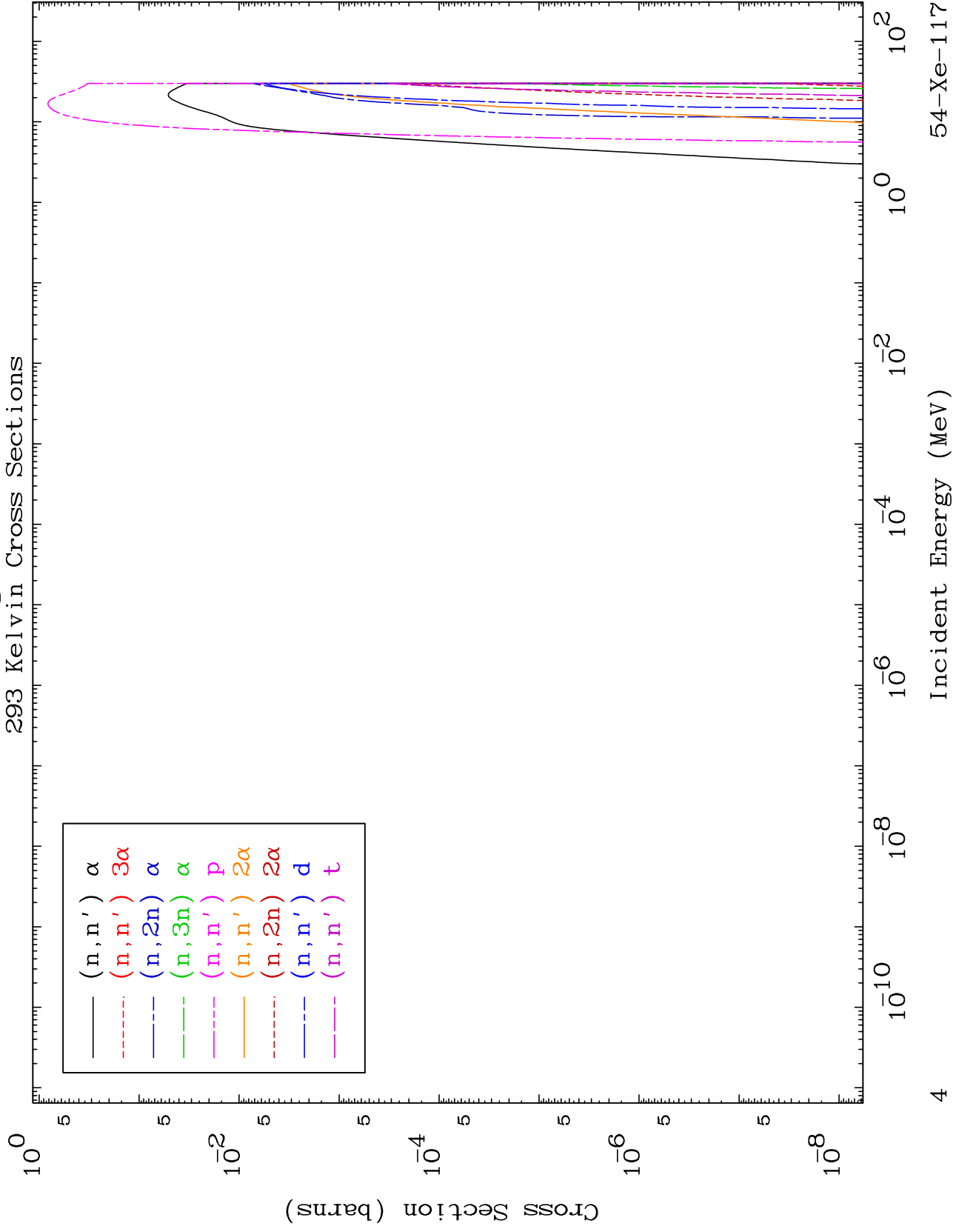
54-Xe-117



MAT 5404

Charged Particle  
293 Kelvin Cross Sections

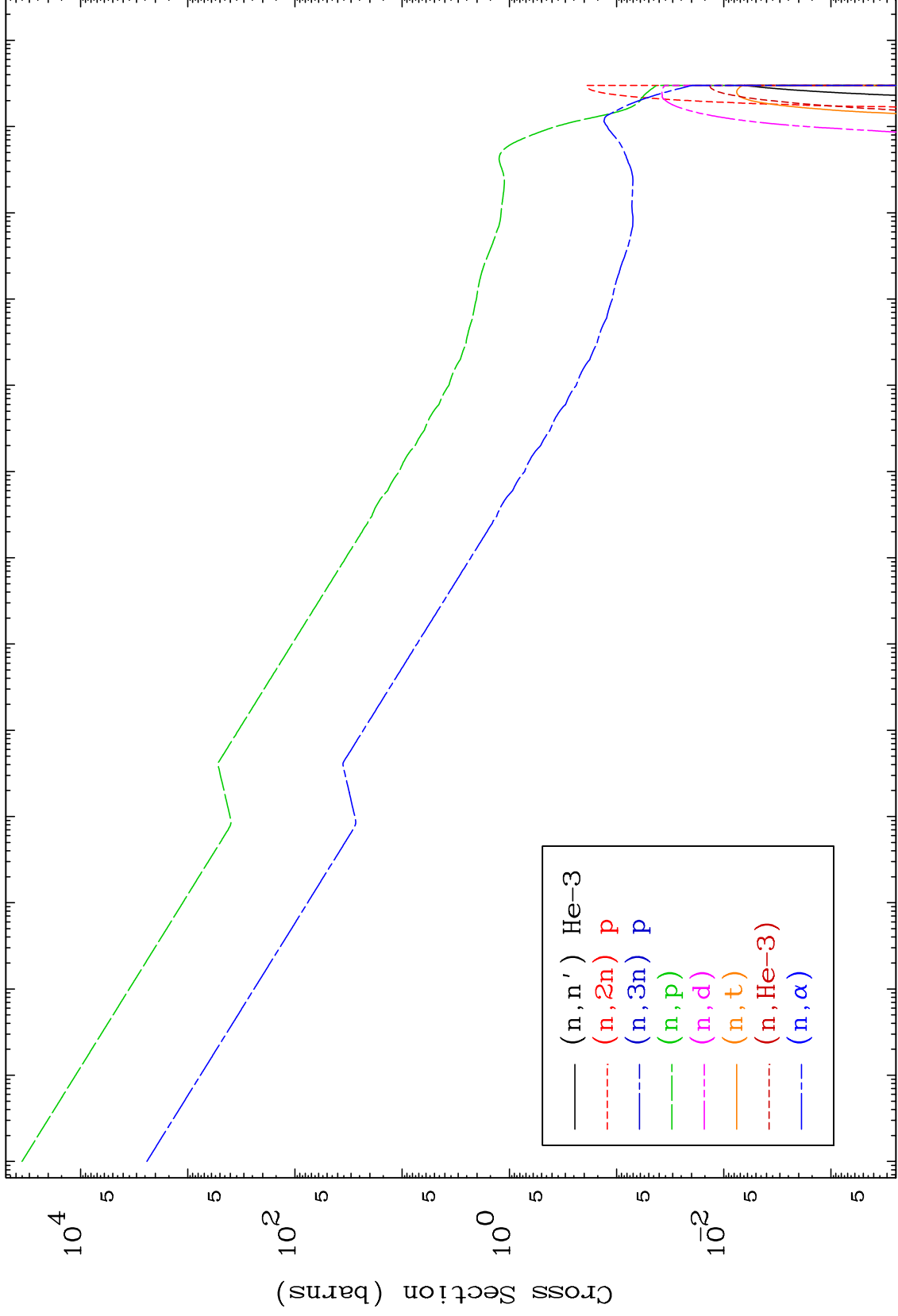
54-Xe-117



MAT 5404

Charged Particle  
293 Kelvin Cross Sections

54-Xe-117



5

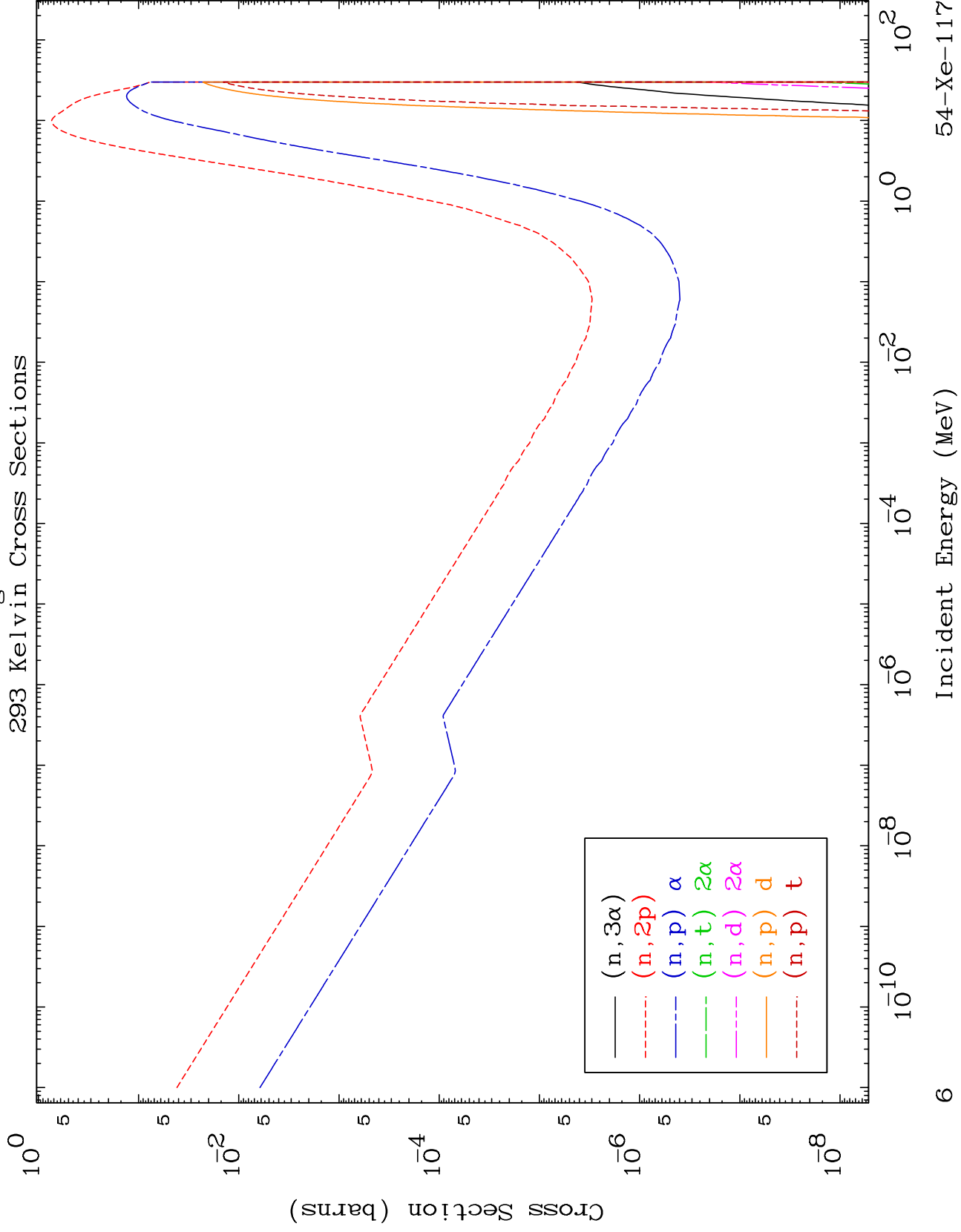
Incident Energy (MeV)

54-Xe-117

MAT 5404

Charged Particle  
293 Kelvin Cross Sections

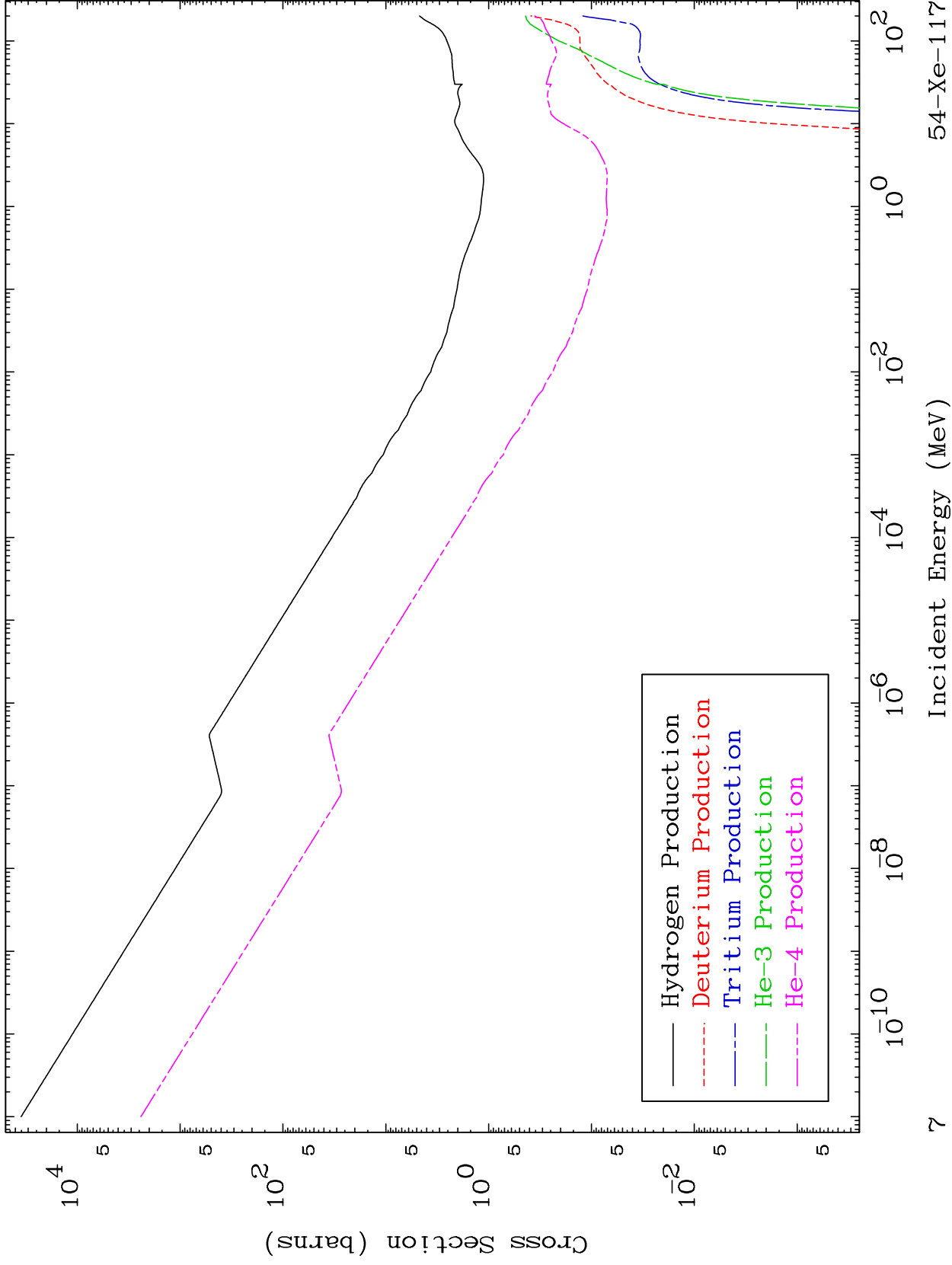
54-Xe-117



MAT 5404

Particle Production  
293 Kelvin Cross Sections

54-Xe-117

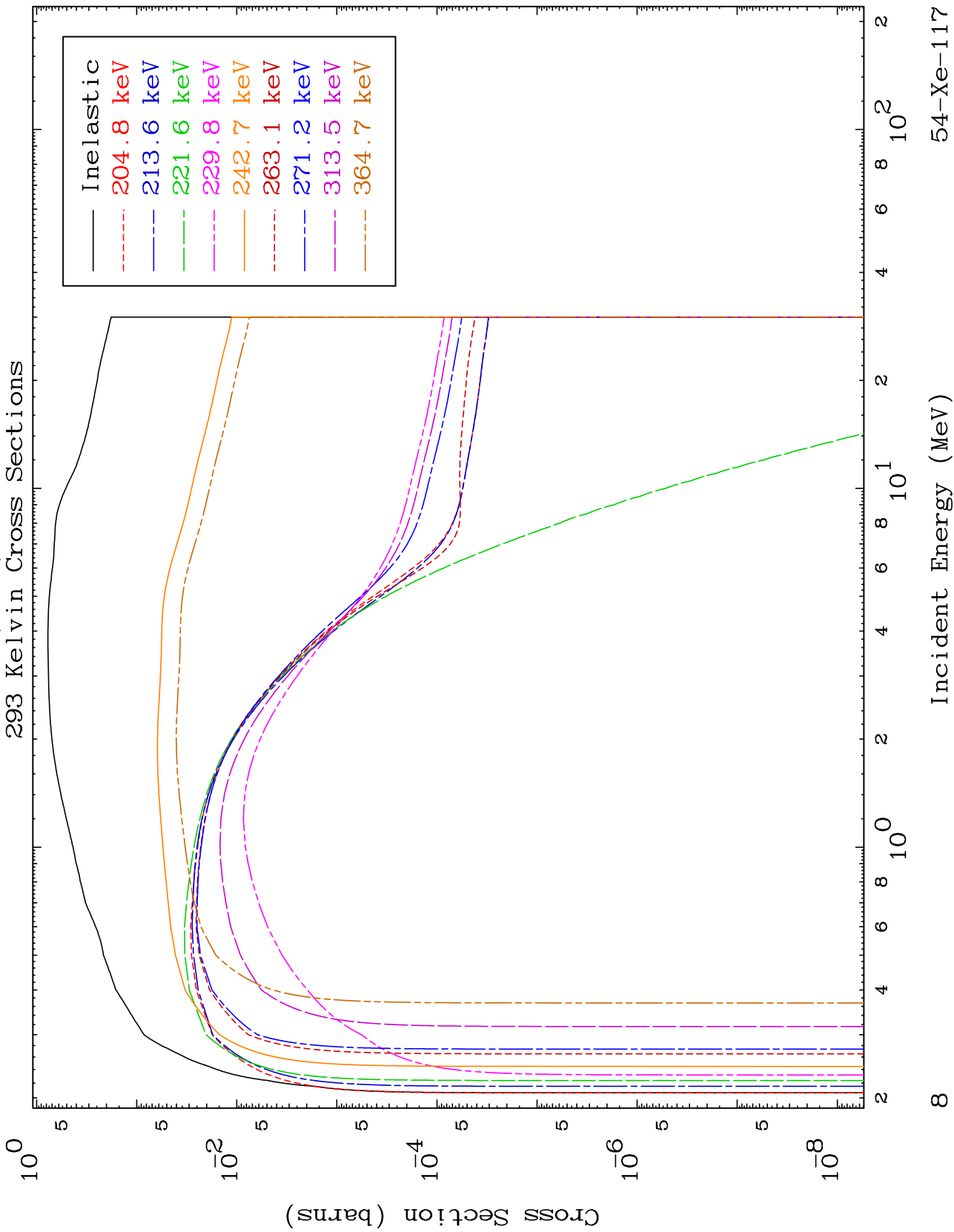




MAT 5404

(n,n') Level

54-Xe-117



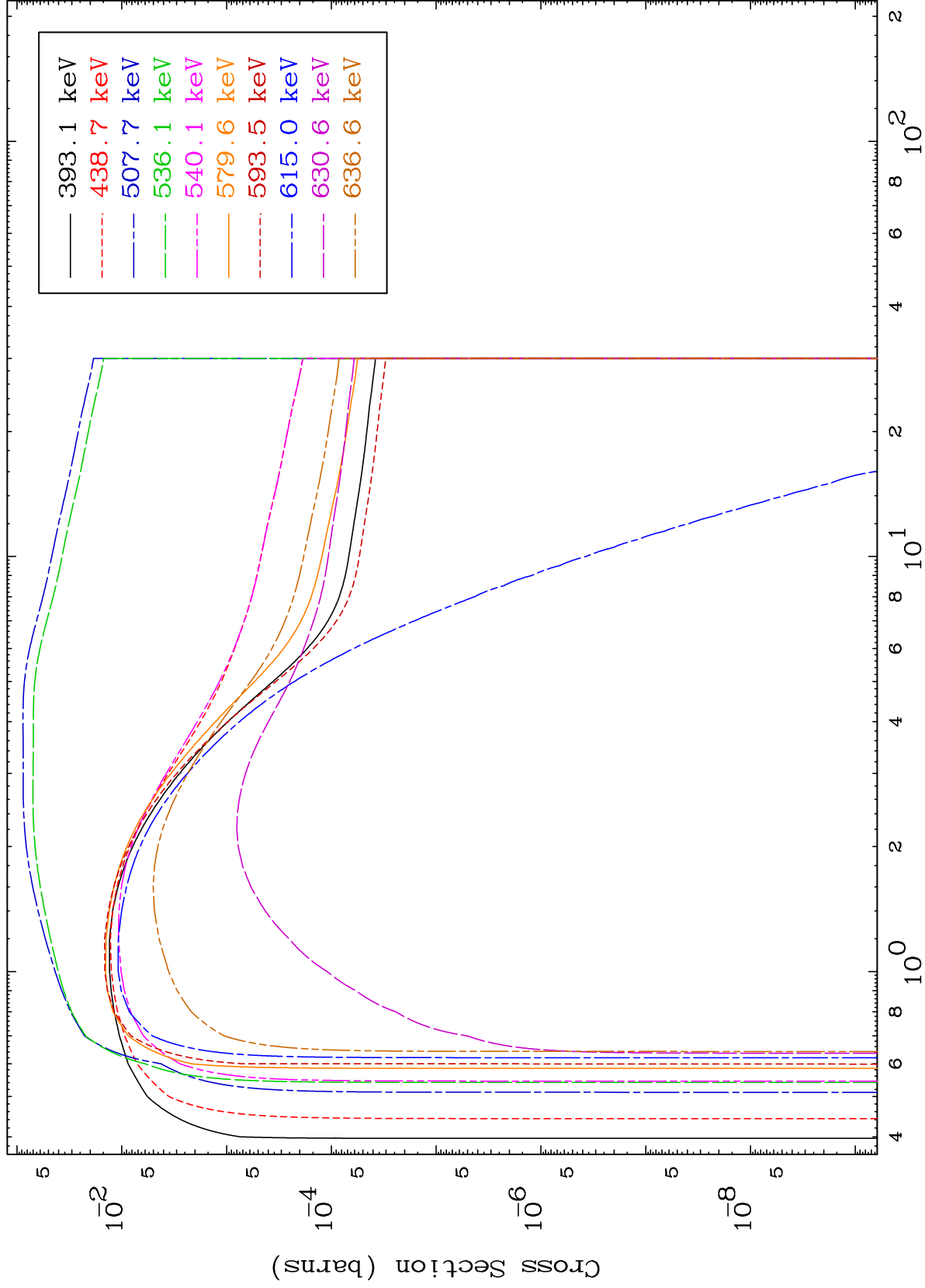
8

MAT 5404

(n,n') Level

54-Xe-117

293 Kelvin Cross Sections



9

Incident Energy (MeV)

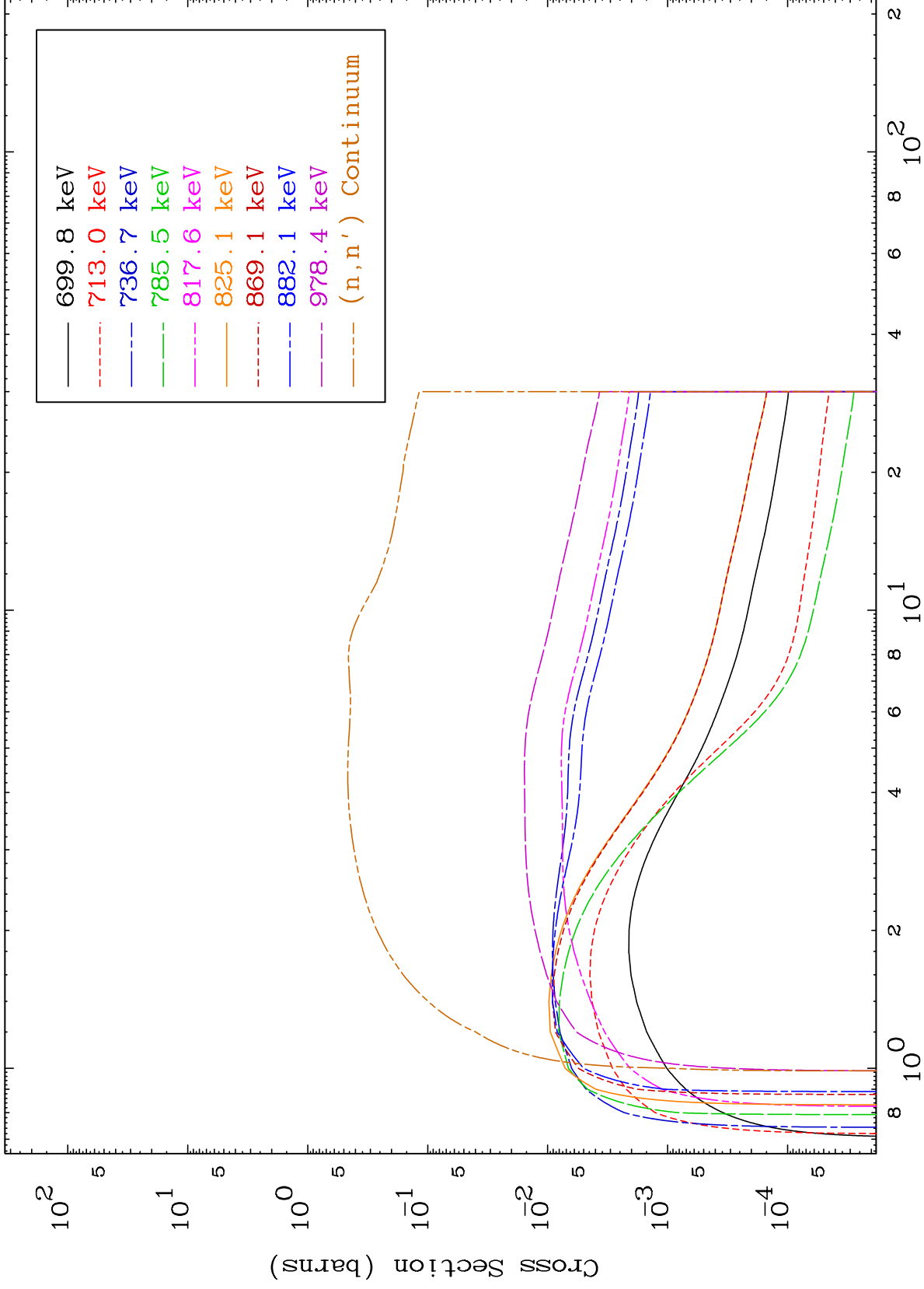
54-Xe-117

MAT 5404

(n,n') Level

54-Xe-117

293 Kelvin Cross Sections



10

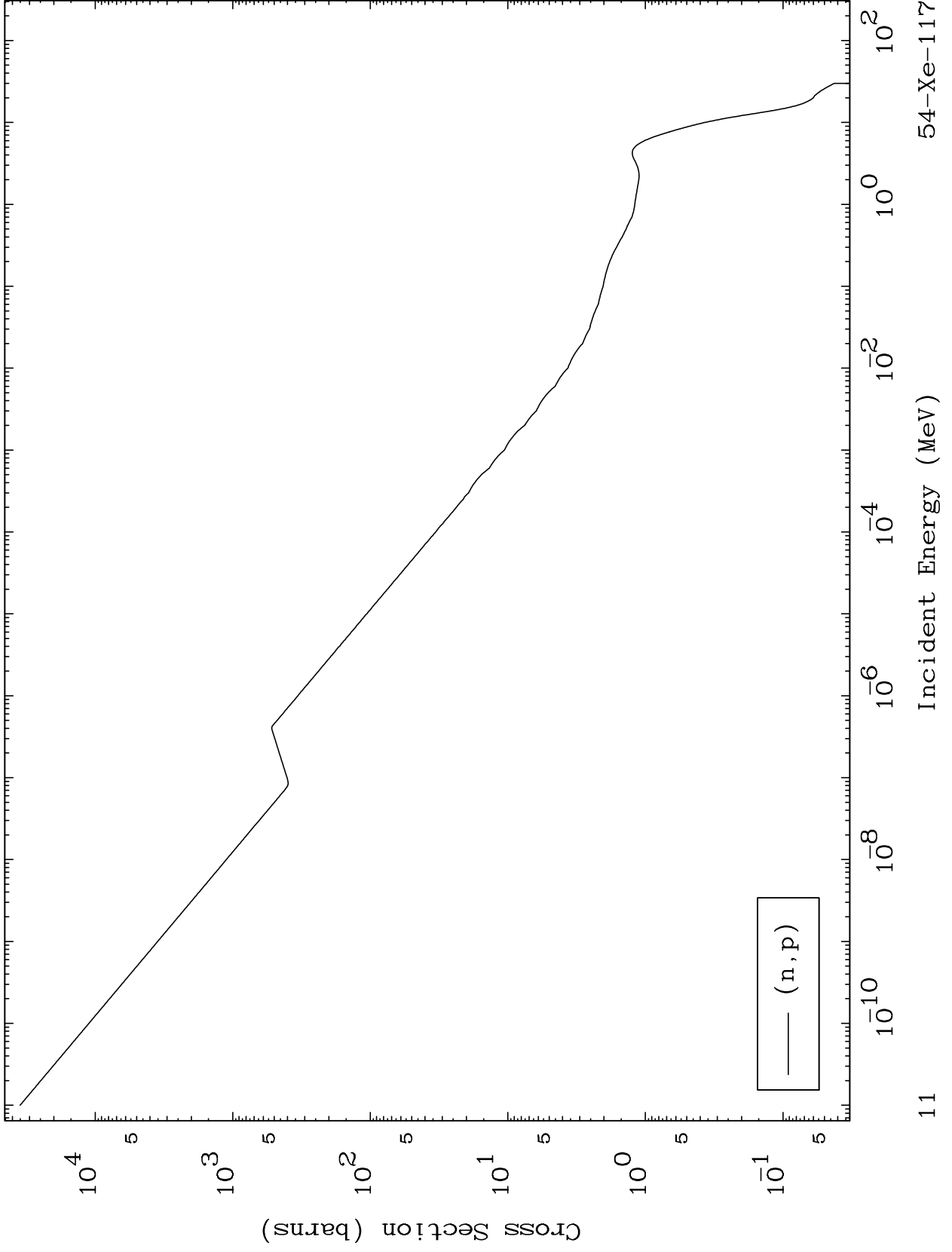
Incident Energy (MeV)

54-Xe-117

MAT 5404

(n,p) Levels  
293 Kelvin Cross Sections

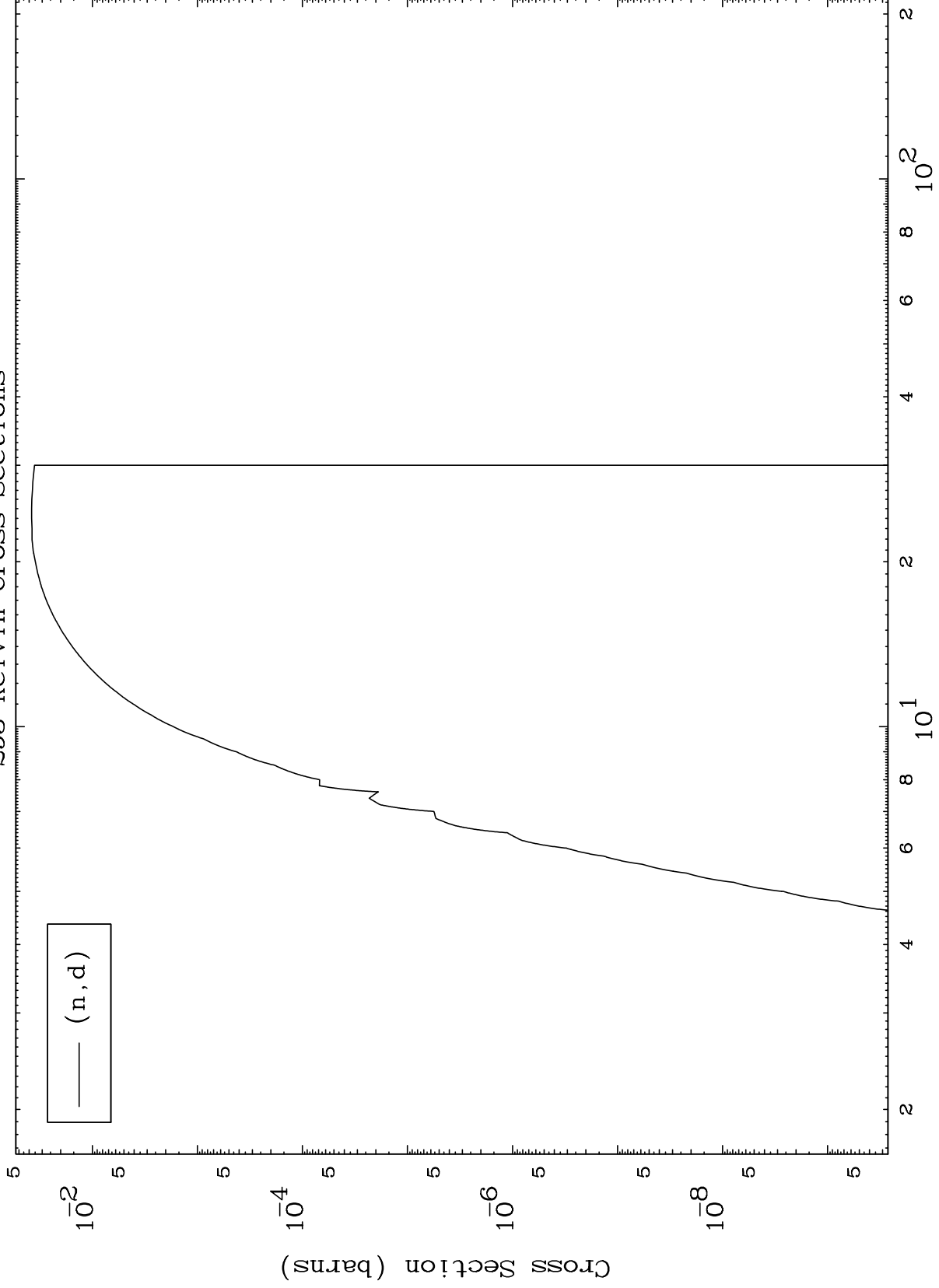
54-Xe-117



MAT 5404

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-117



12

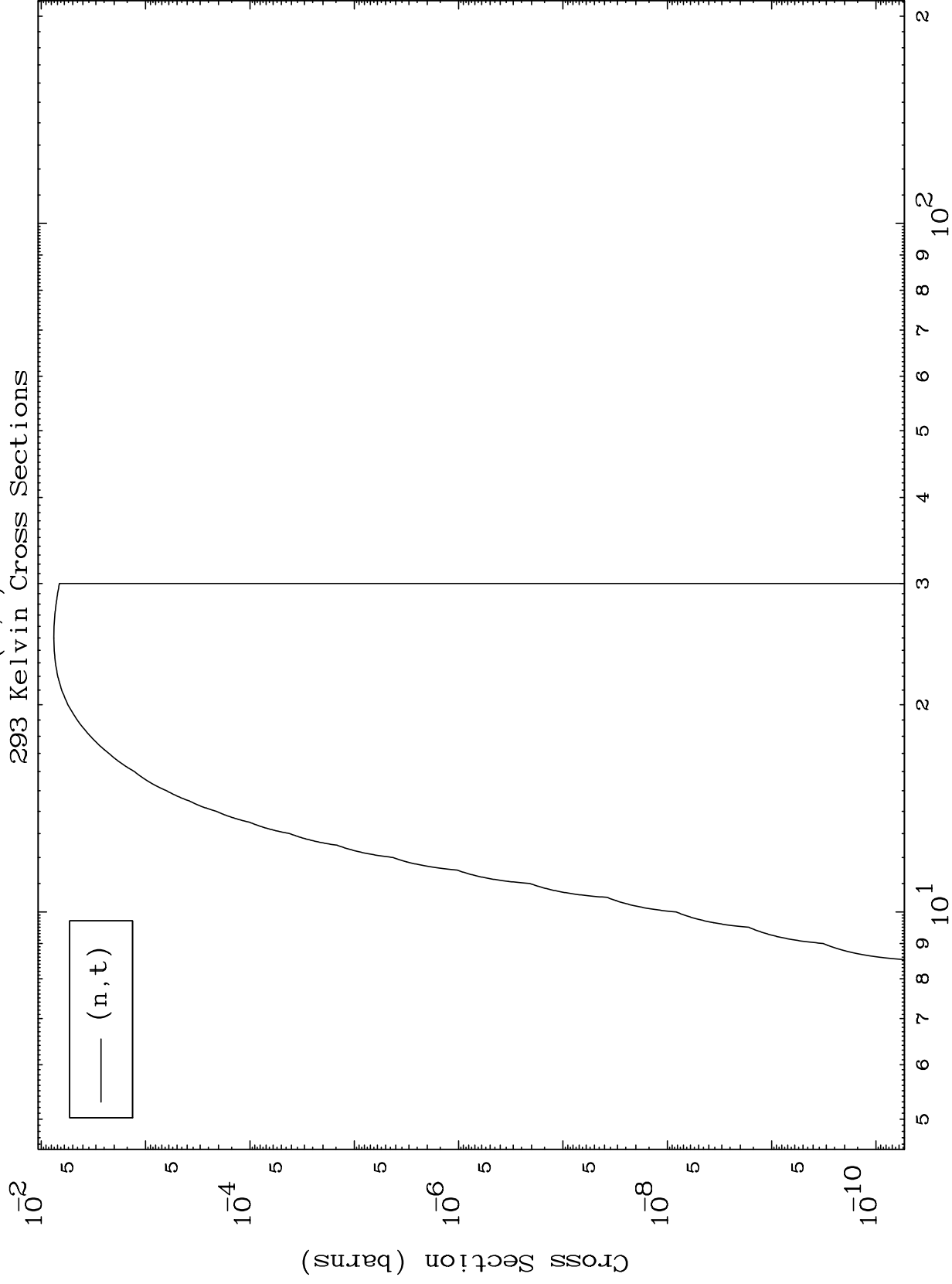
Incident Energy (MeV)

54-Xe-117

MAT 5404

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-117



(n,t)

Incident Energy (MeV)

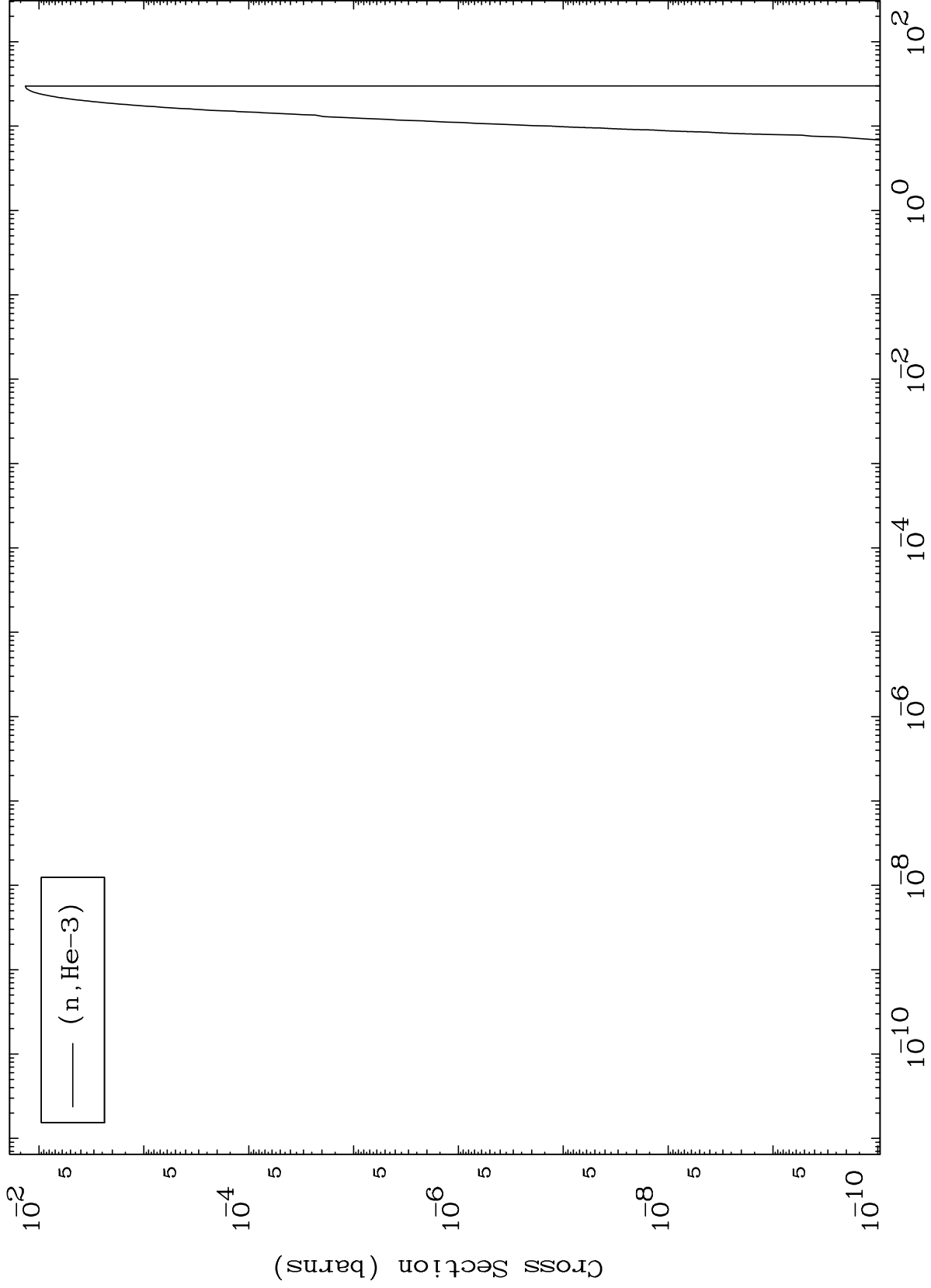
54-Xe-117

13

MAT 5404

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-117



14

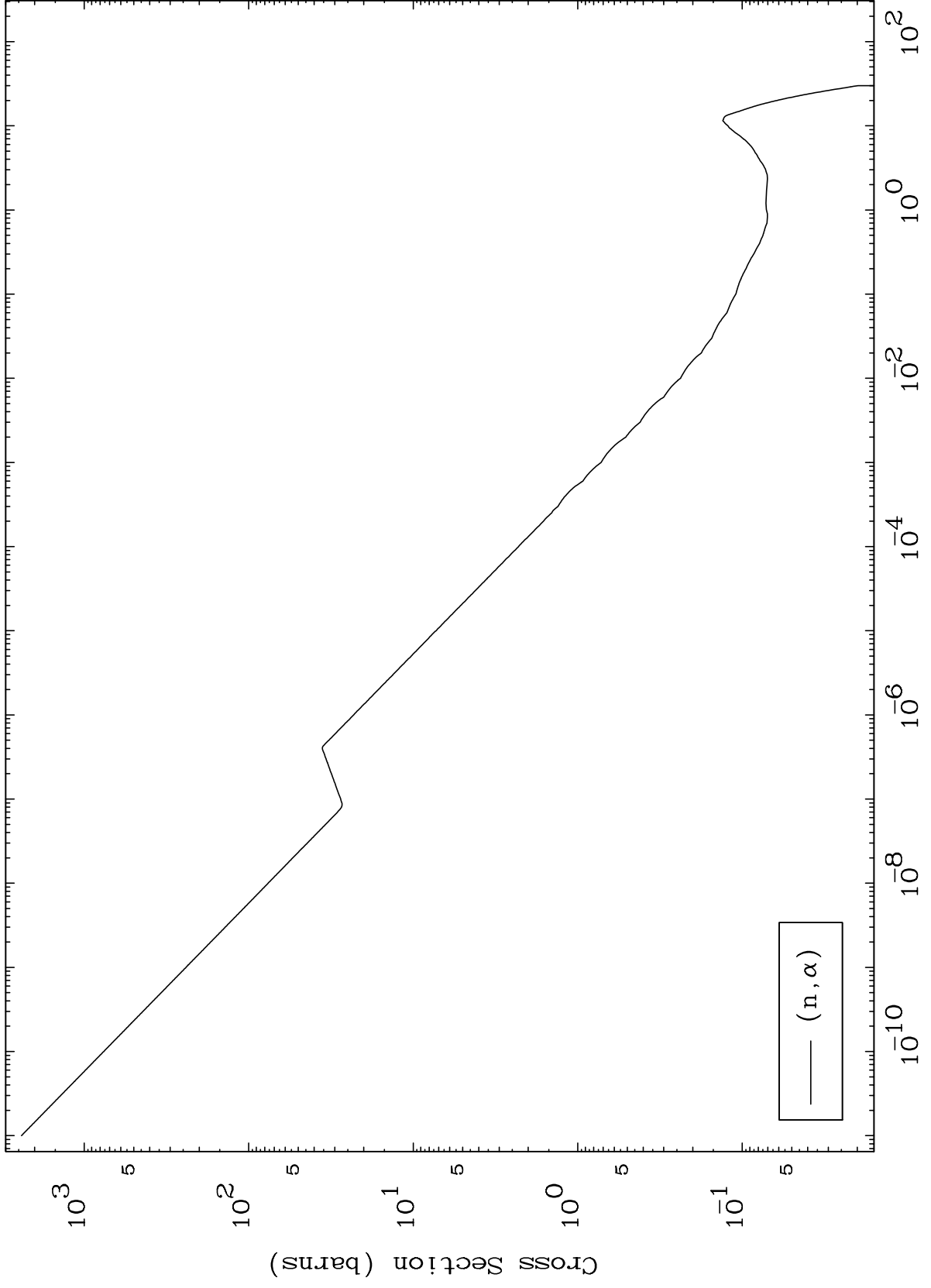
Incident Energy (MeV)

54-Xe-117

MAT 5404

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

54-Xe-117

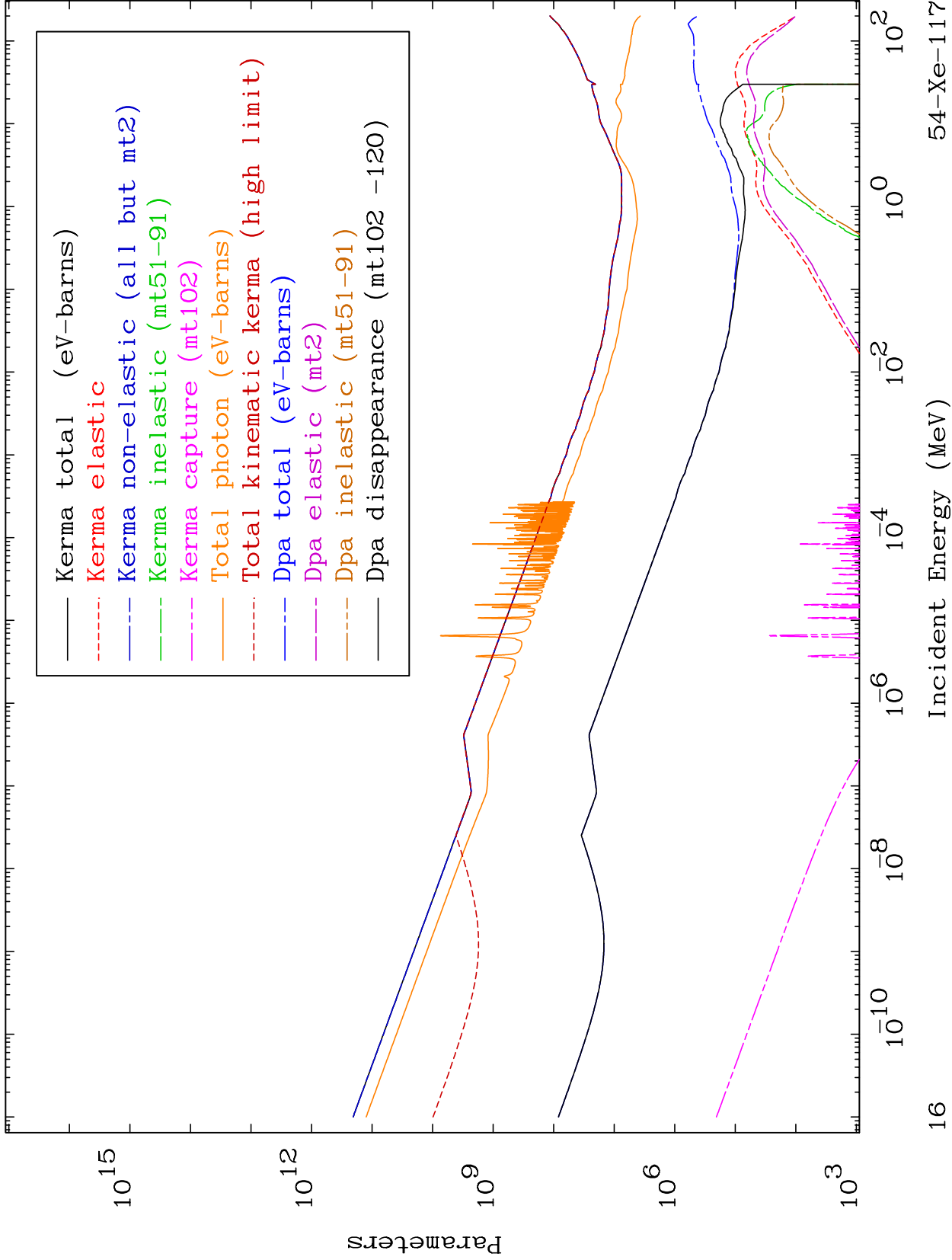


15

Incident Energy (MeV)

54-Xe-117

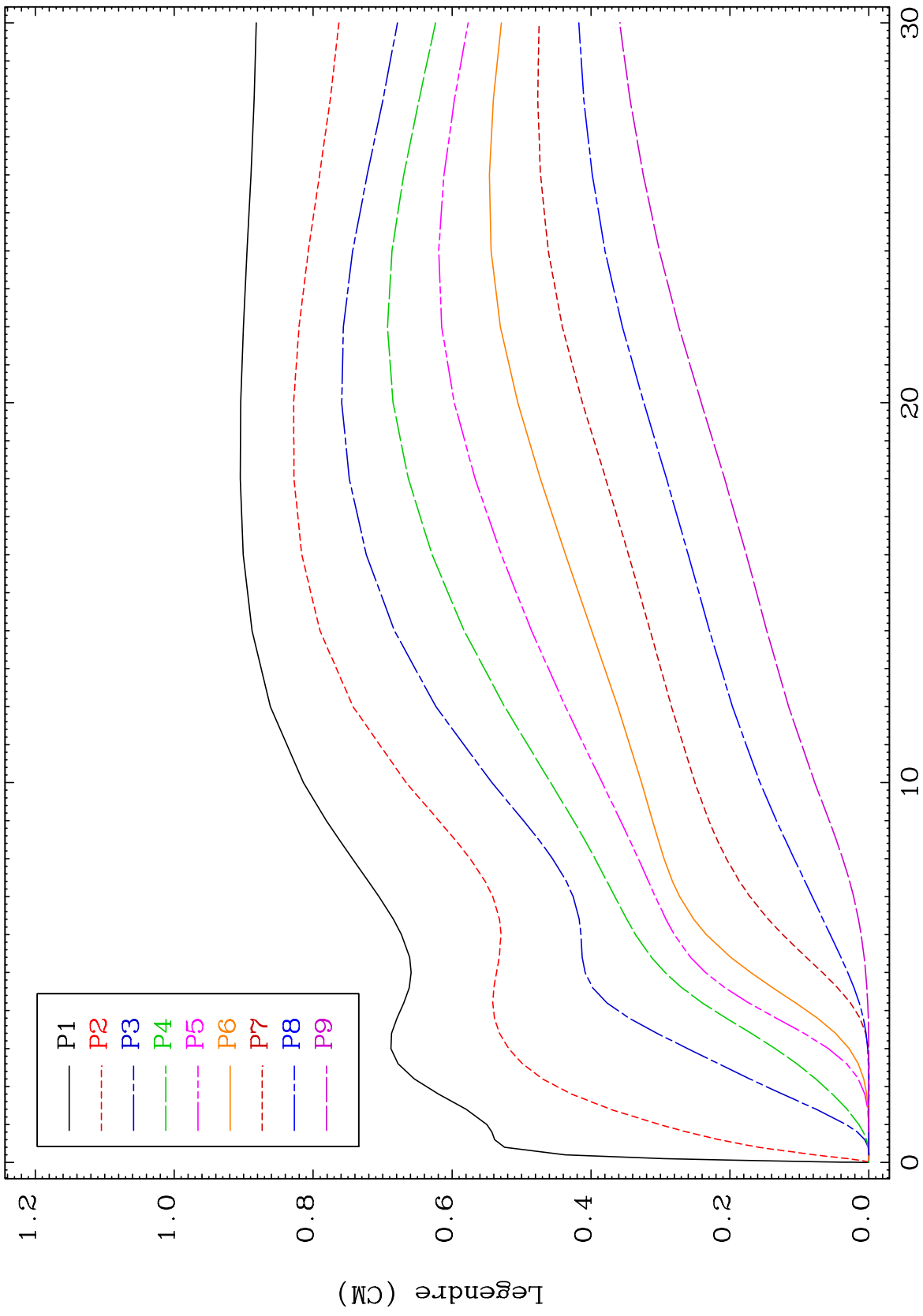




MAT 5404

Elastic Legendre Coefficients

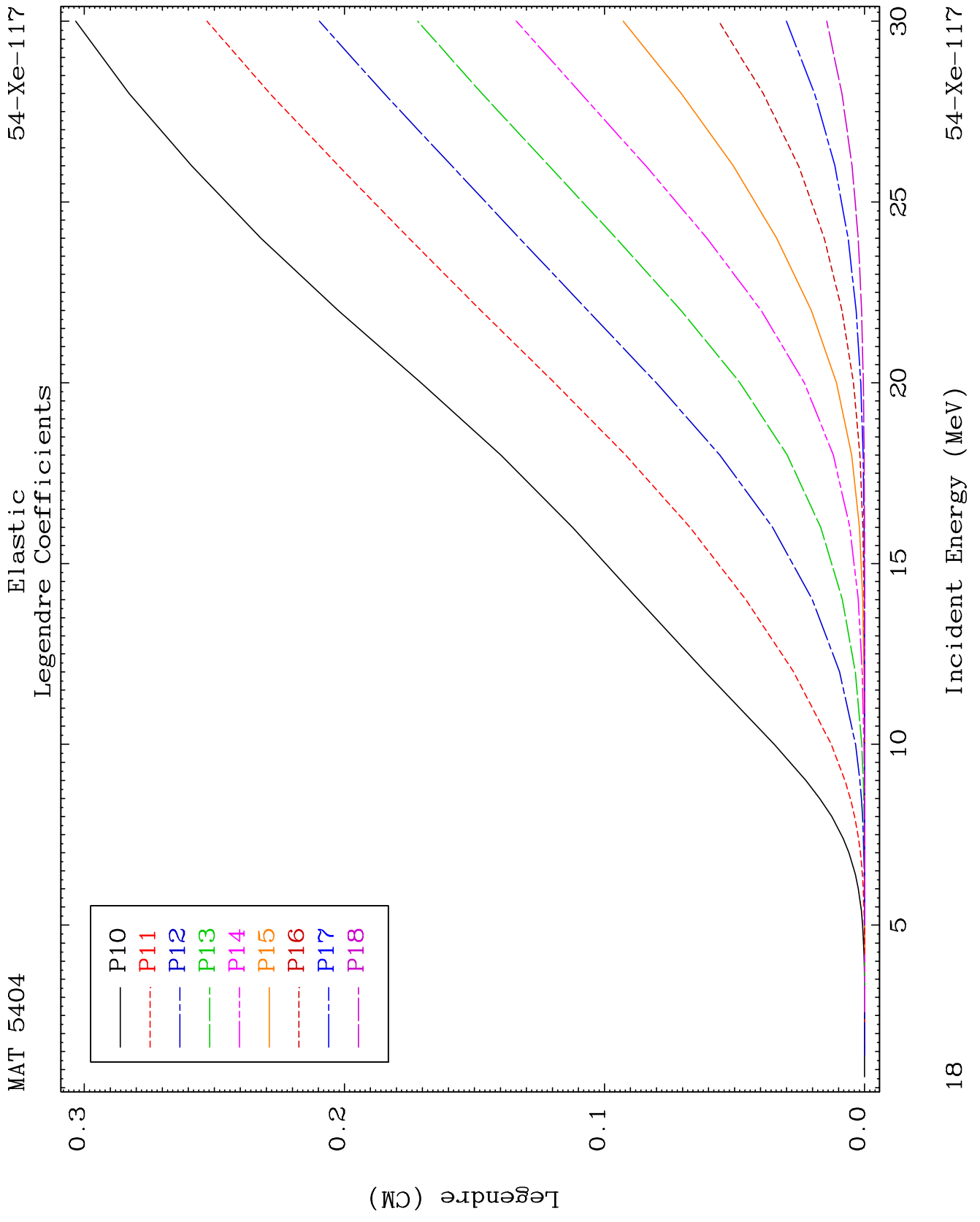
54-Xe-117



17

Incident Energy (MeV)

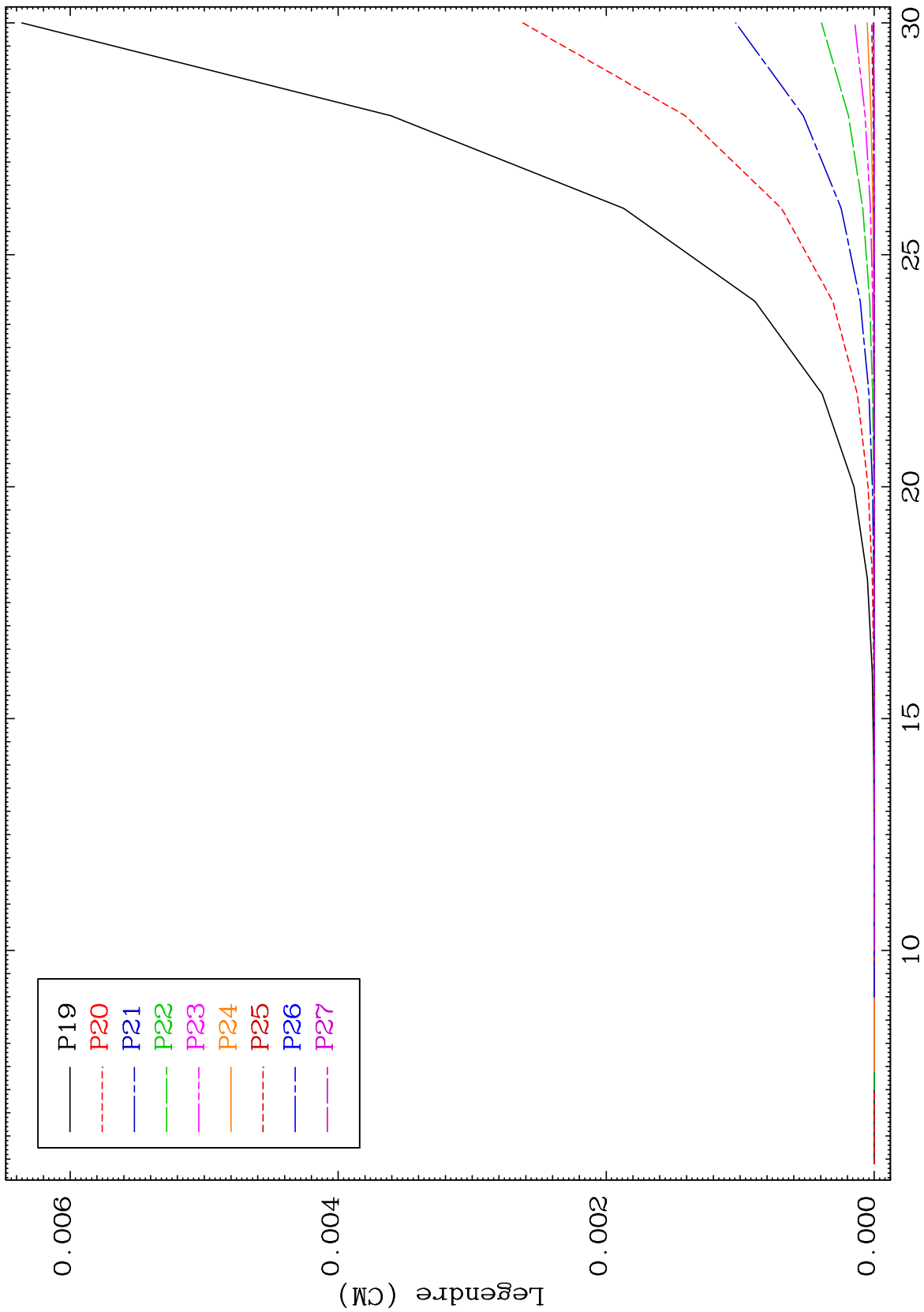
54-Xe-117



MAT 5404

### Elastic Legendre Coefficients

54-Xe-117



19

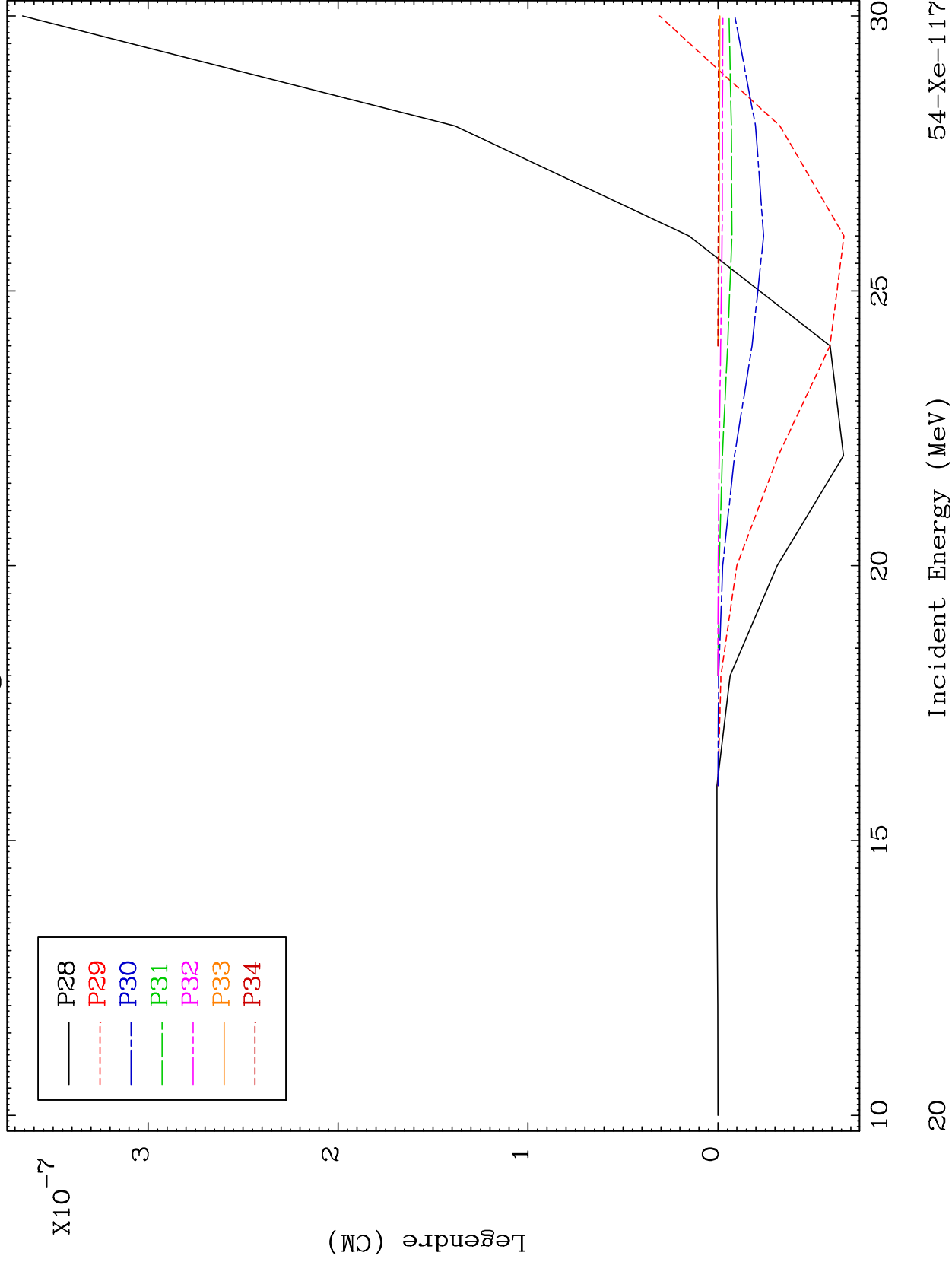
Incident Energy (MeV)

54-Xe-117

MAT 5404

Elastic Legendre Coefficients

54-Xe-117



54-Xe-117

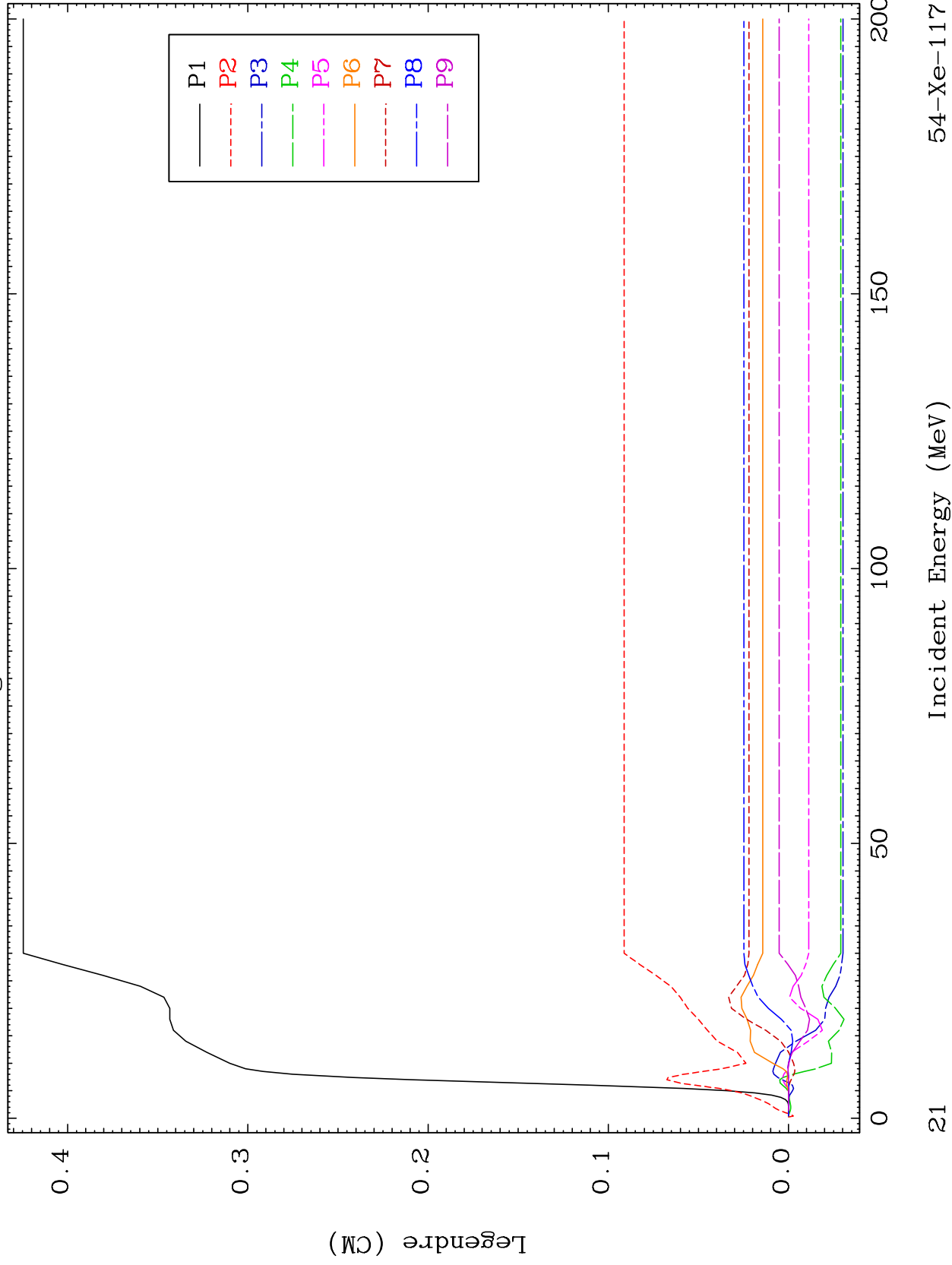
Incident Energy (MeV)

20

MAT 5404

204.8 keV (n,n') Level  
Legendre Coefficients

54-Xe-117

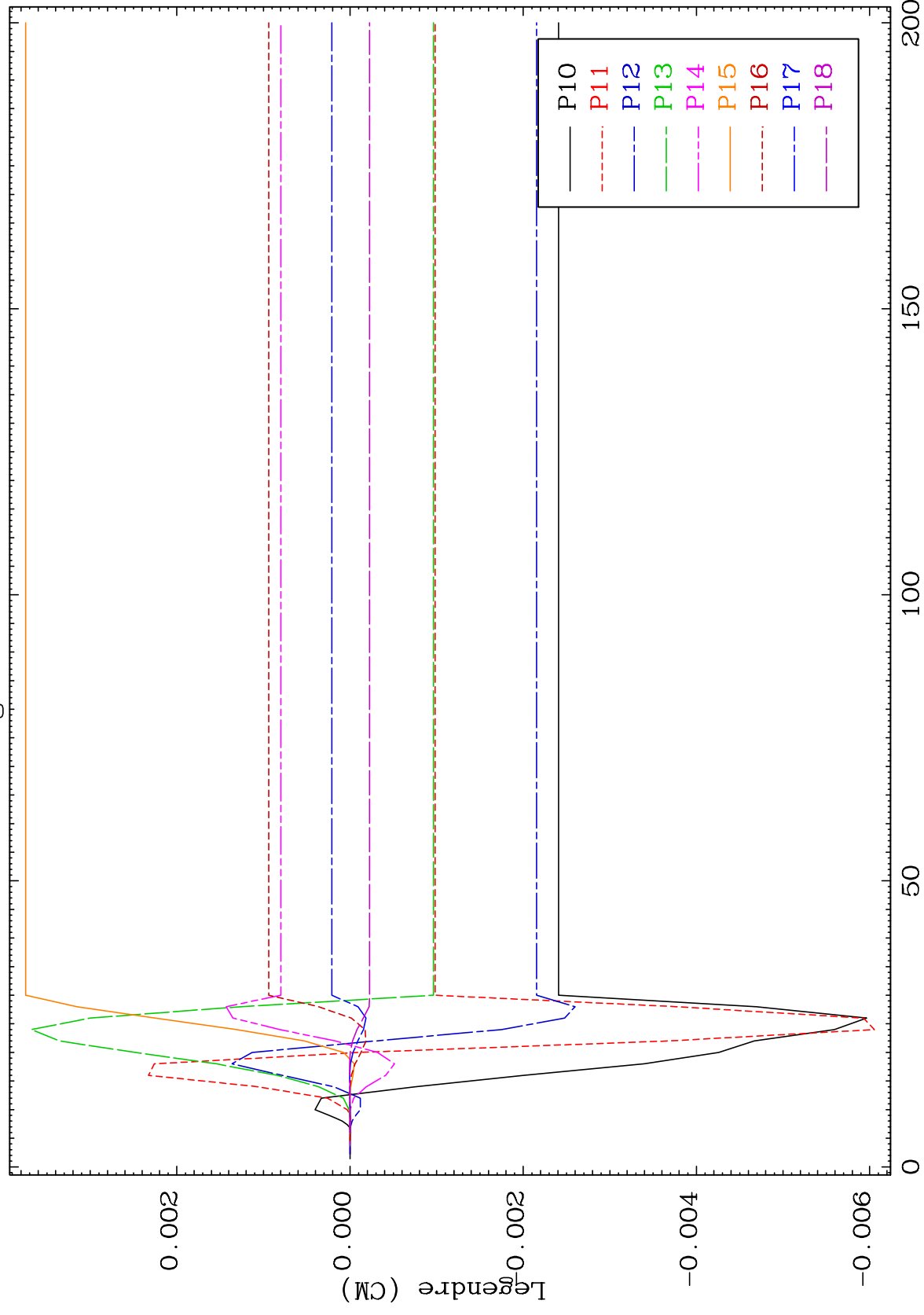


21

MAT 5404

204.8 keV (n,n') Level  
Legendre Coefficients

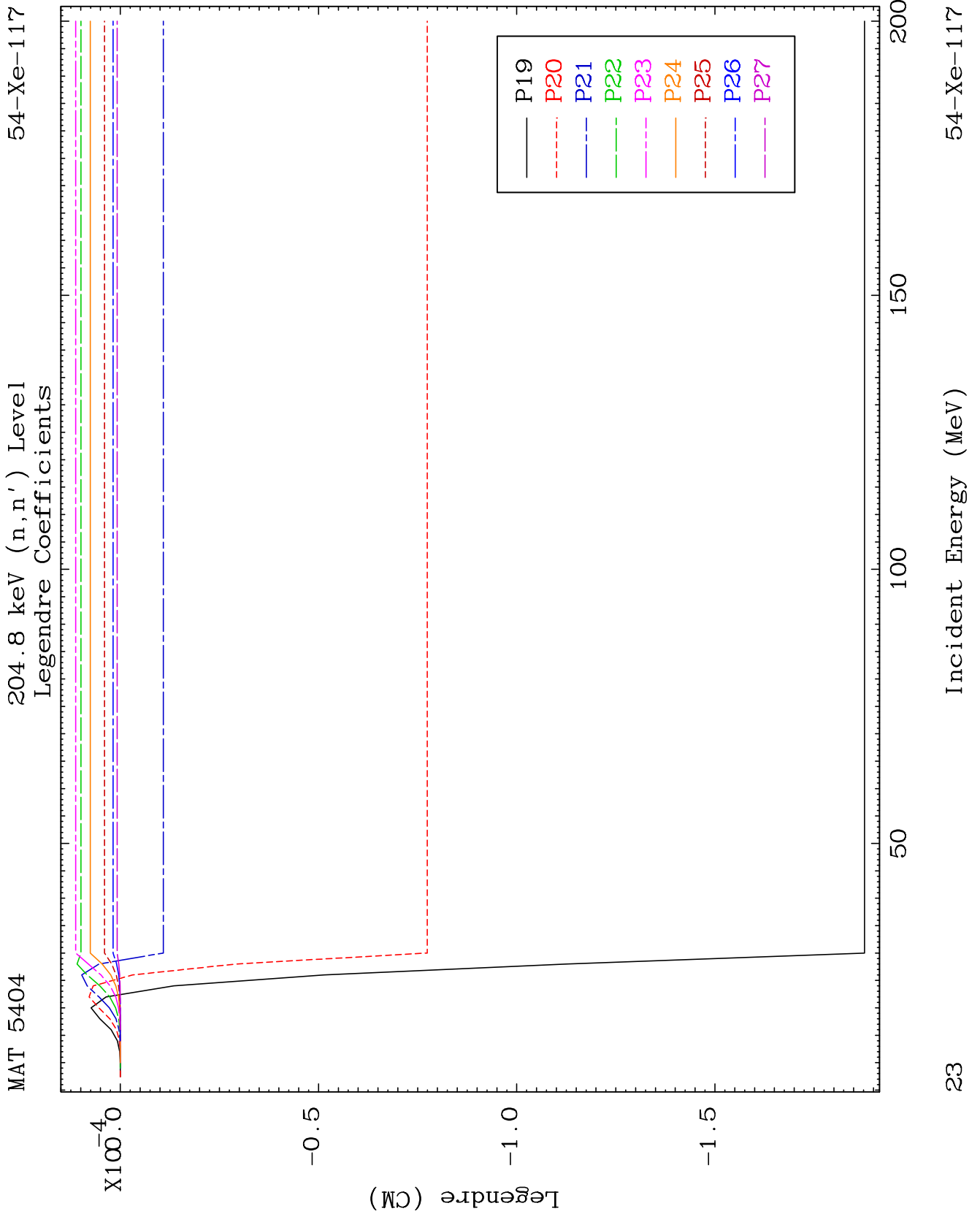
54-Xe-117



22

Incident Energy (MeV)

54-Xe-117

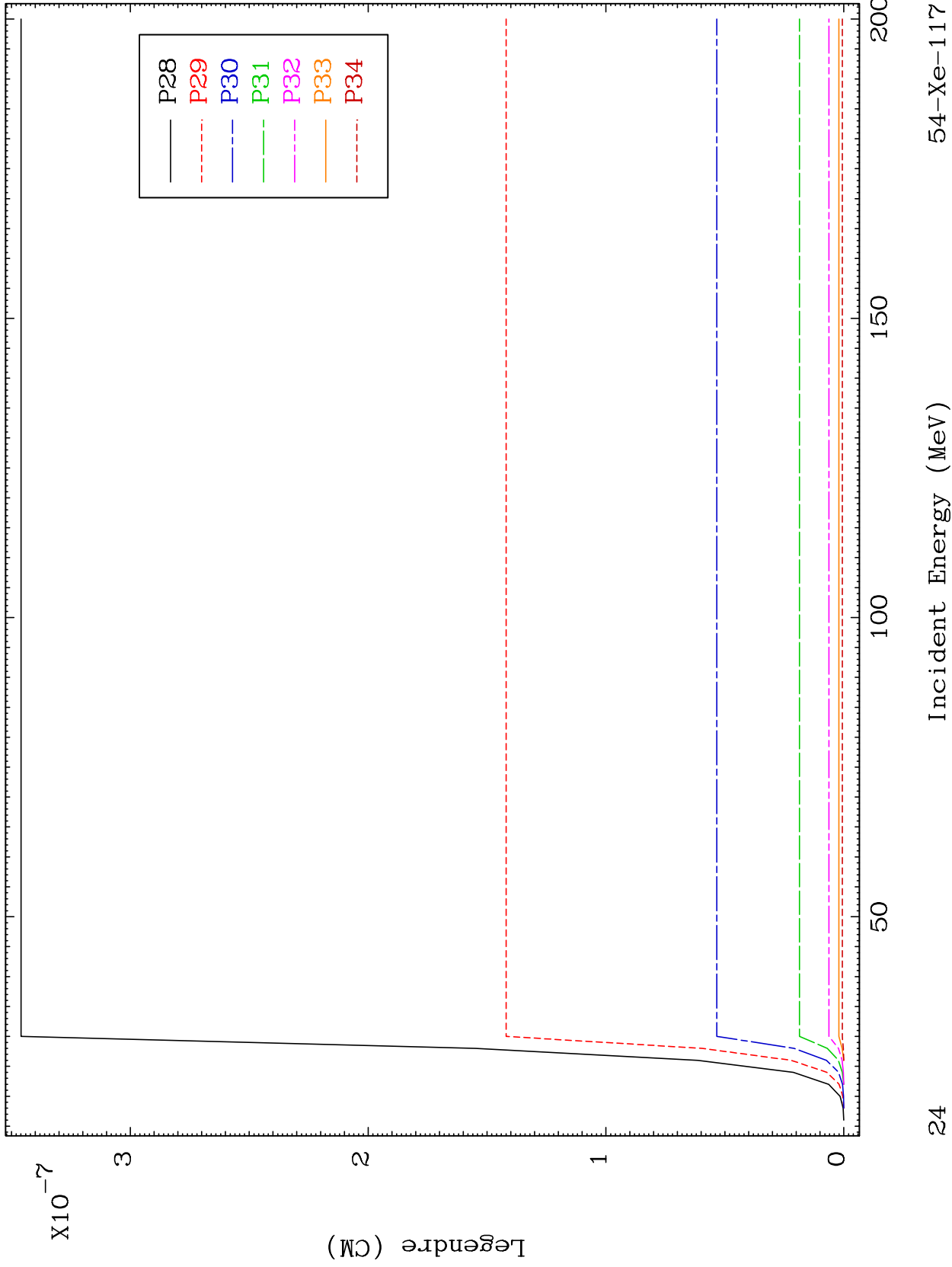




MAT 5404

204.8 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



24

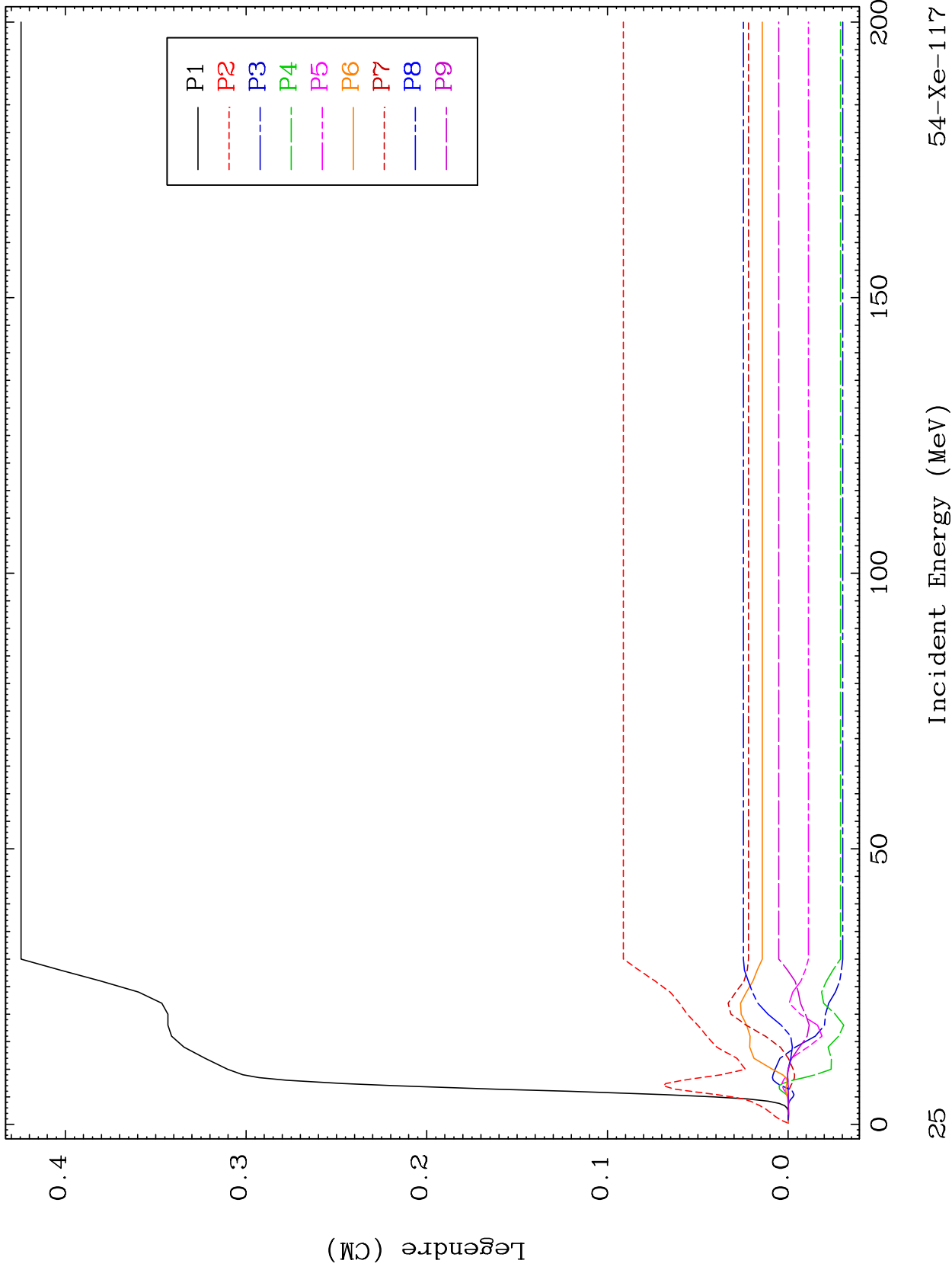
Incident Energy (MeV)

54-Xe-117

MAT 5404

213.6 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

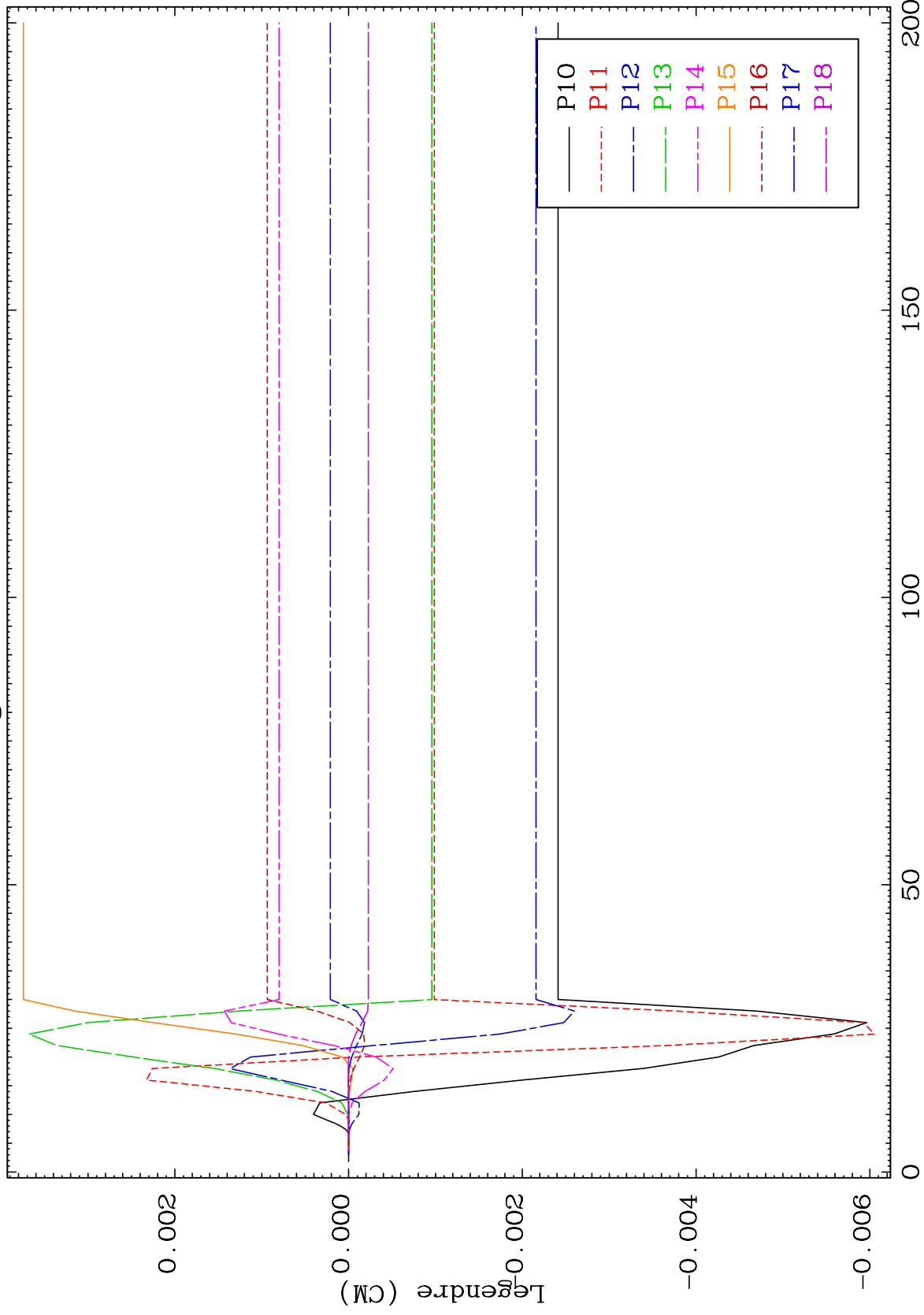
Incident Energy (MeV)

25

MAT 5404

213.6 keV (n,n') Level  
Legendre Coefficients

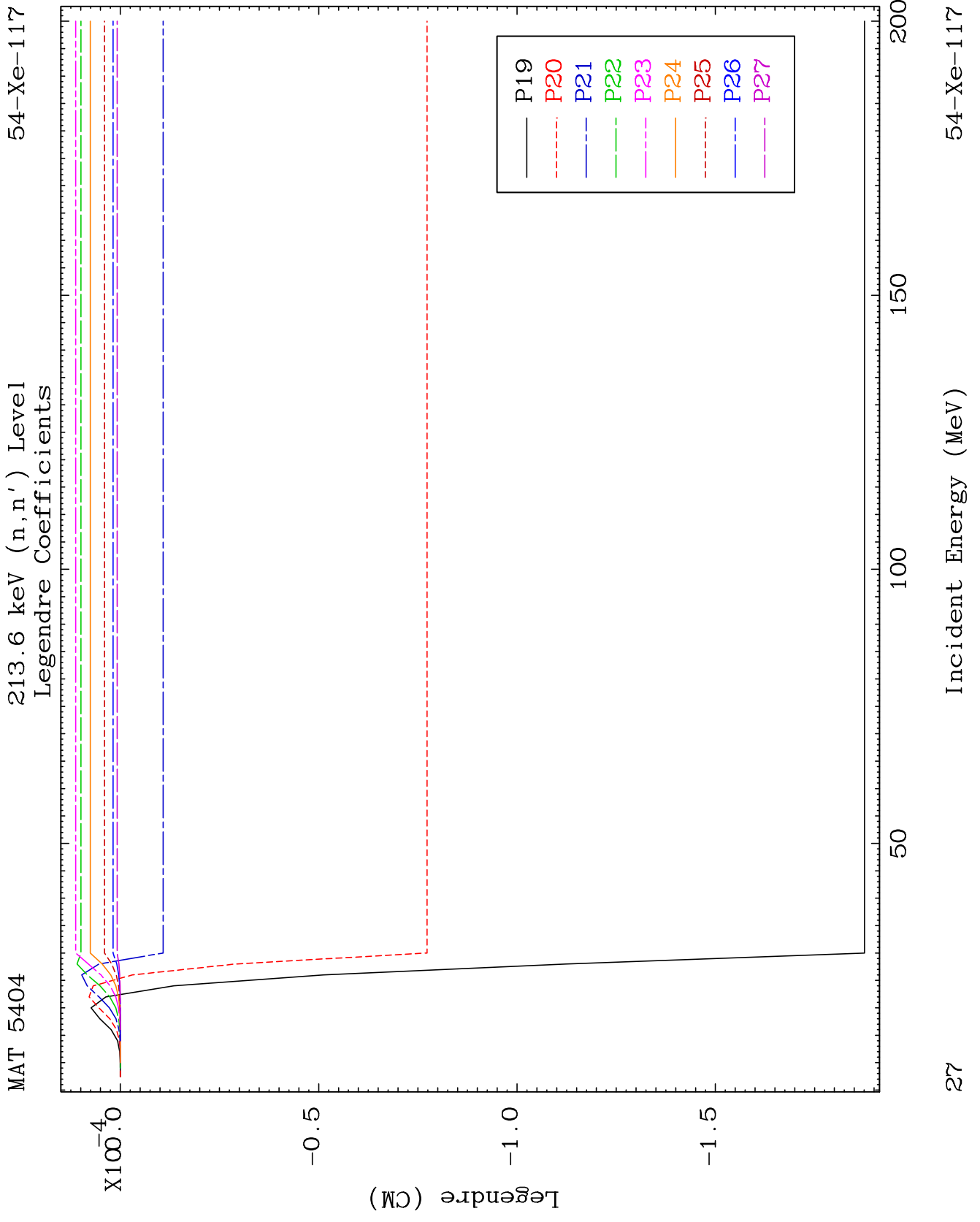
54-Xe-117



26

Incident Energy (MeV)

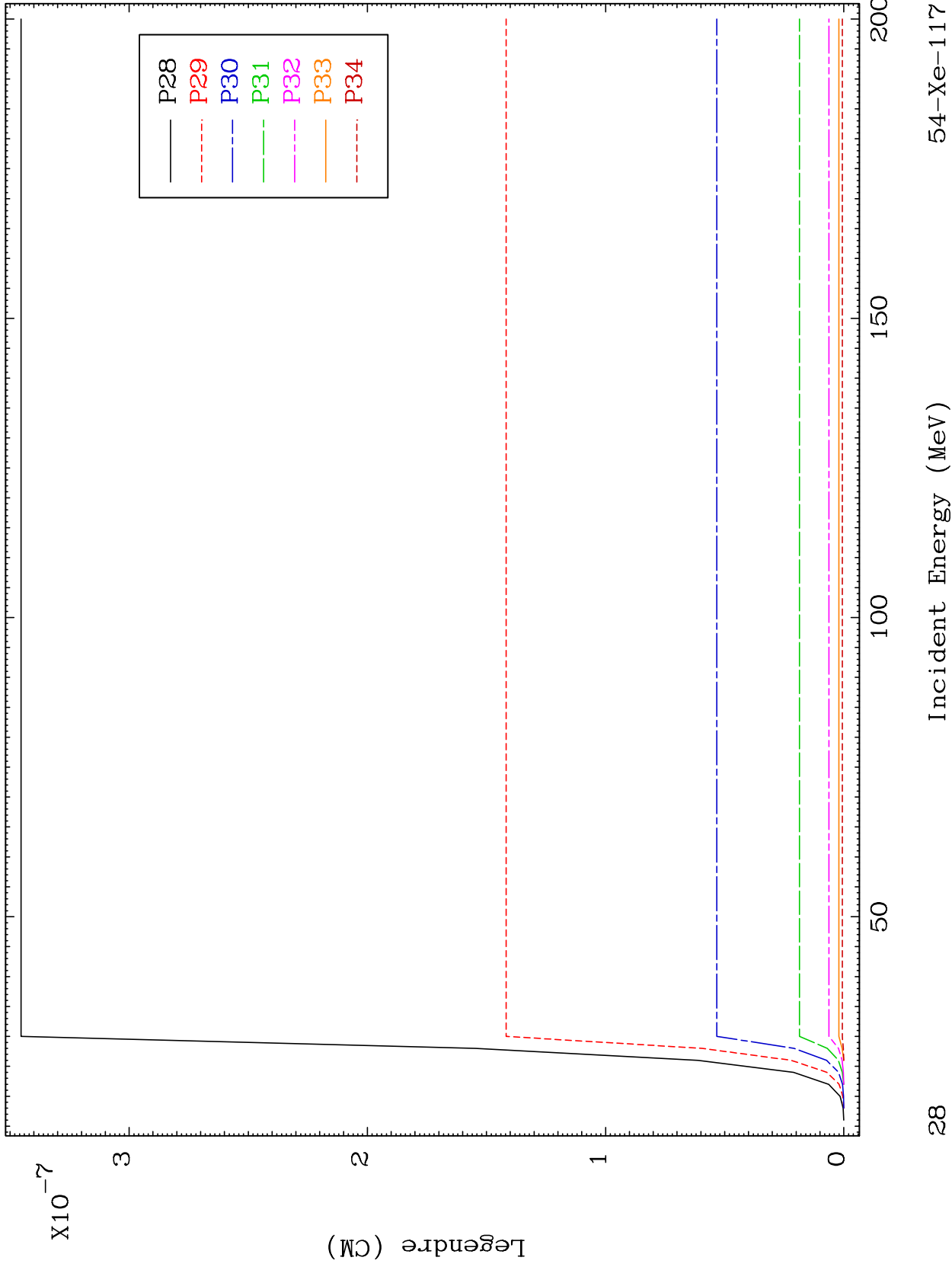
54-Xe-117



MAT 5404

213.6 keV (n,n') Level  
Legendre Coefficients

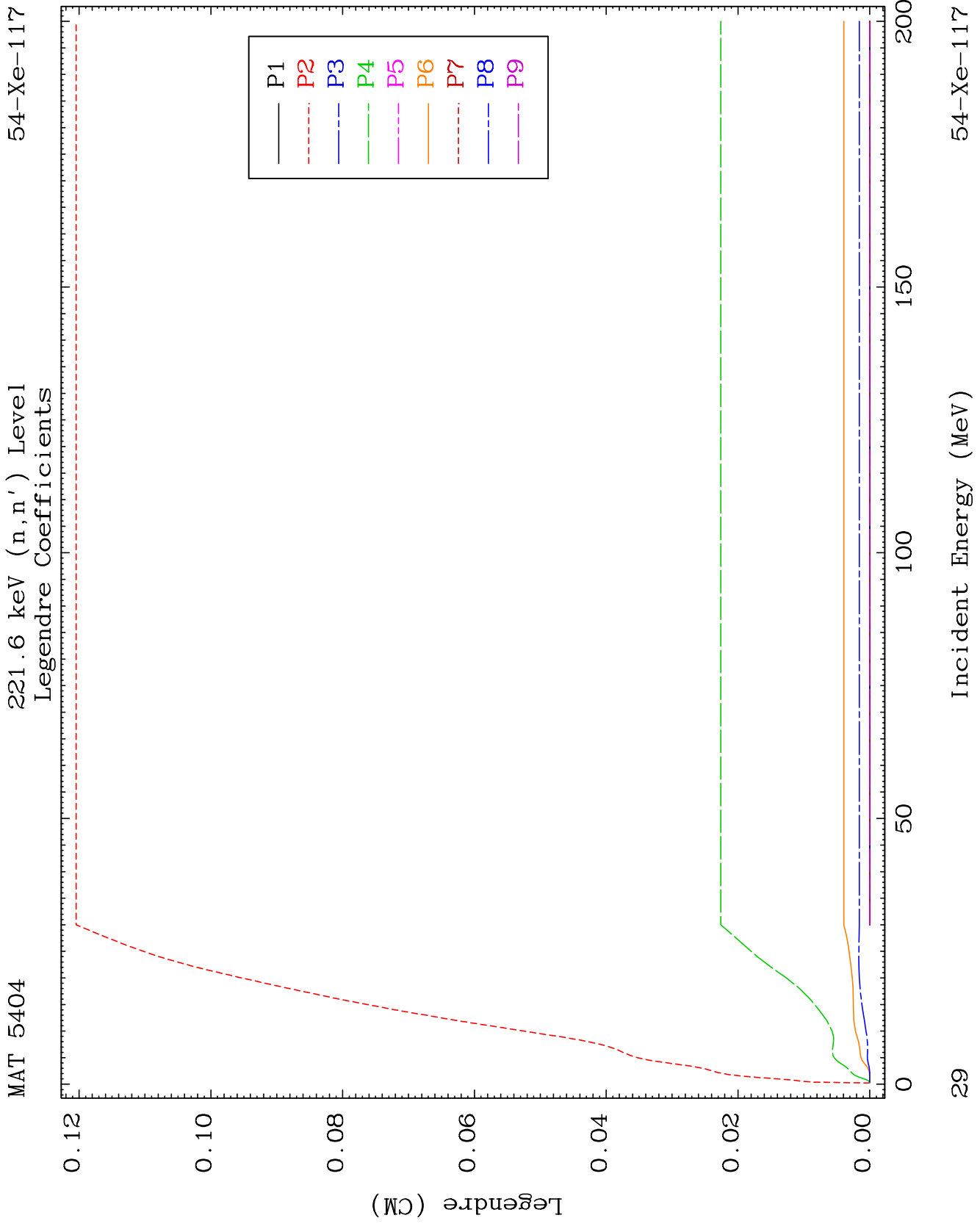
54-Xe-117



28

Incident Energy (MeV)

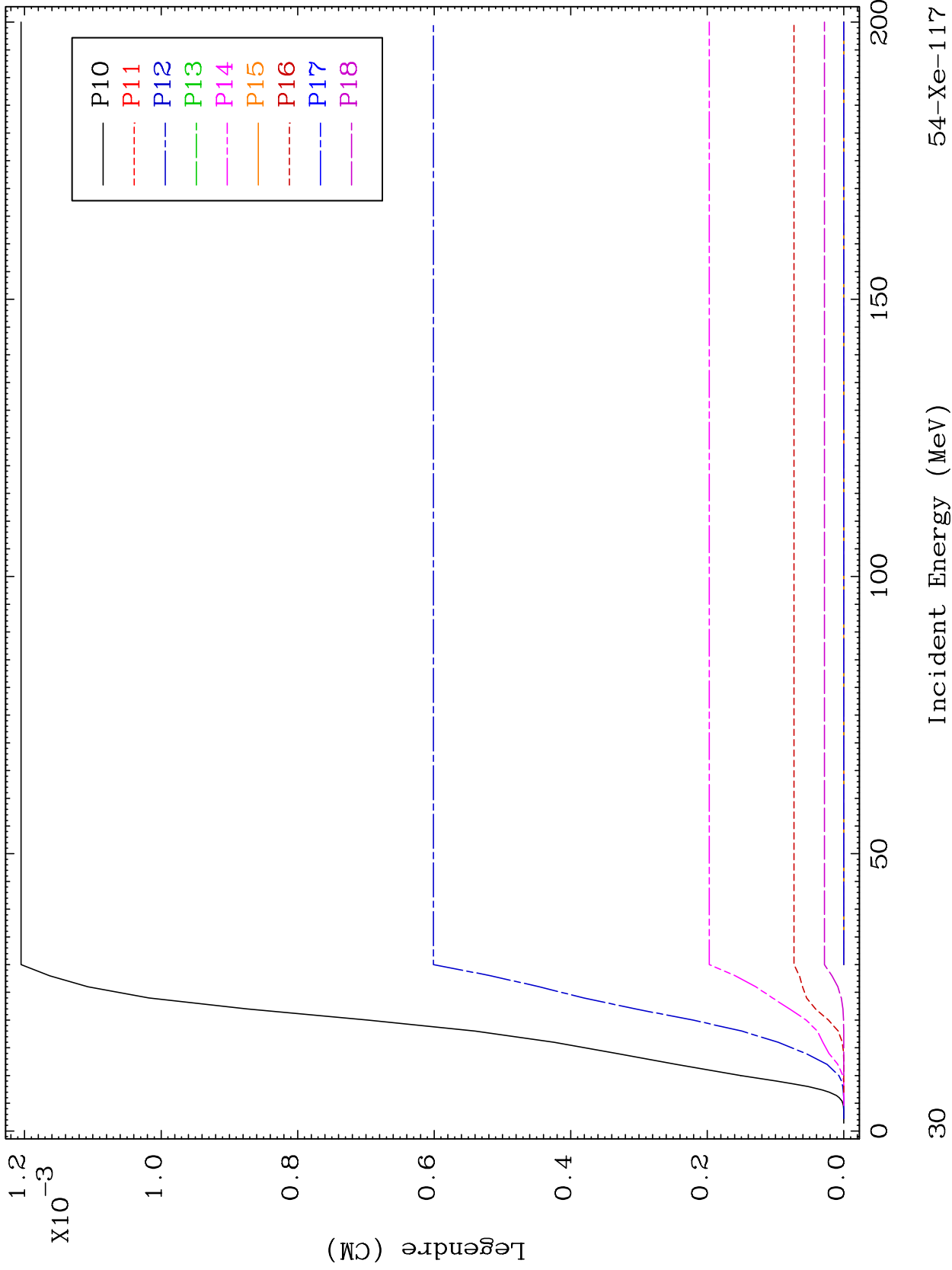
54-Xe-117



MAT 5404

221.6 keV (n,n') Level  
Legendre Coefficients

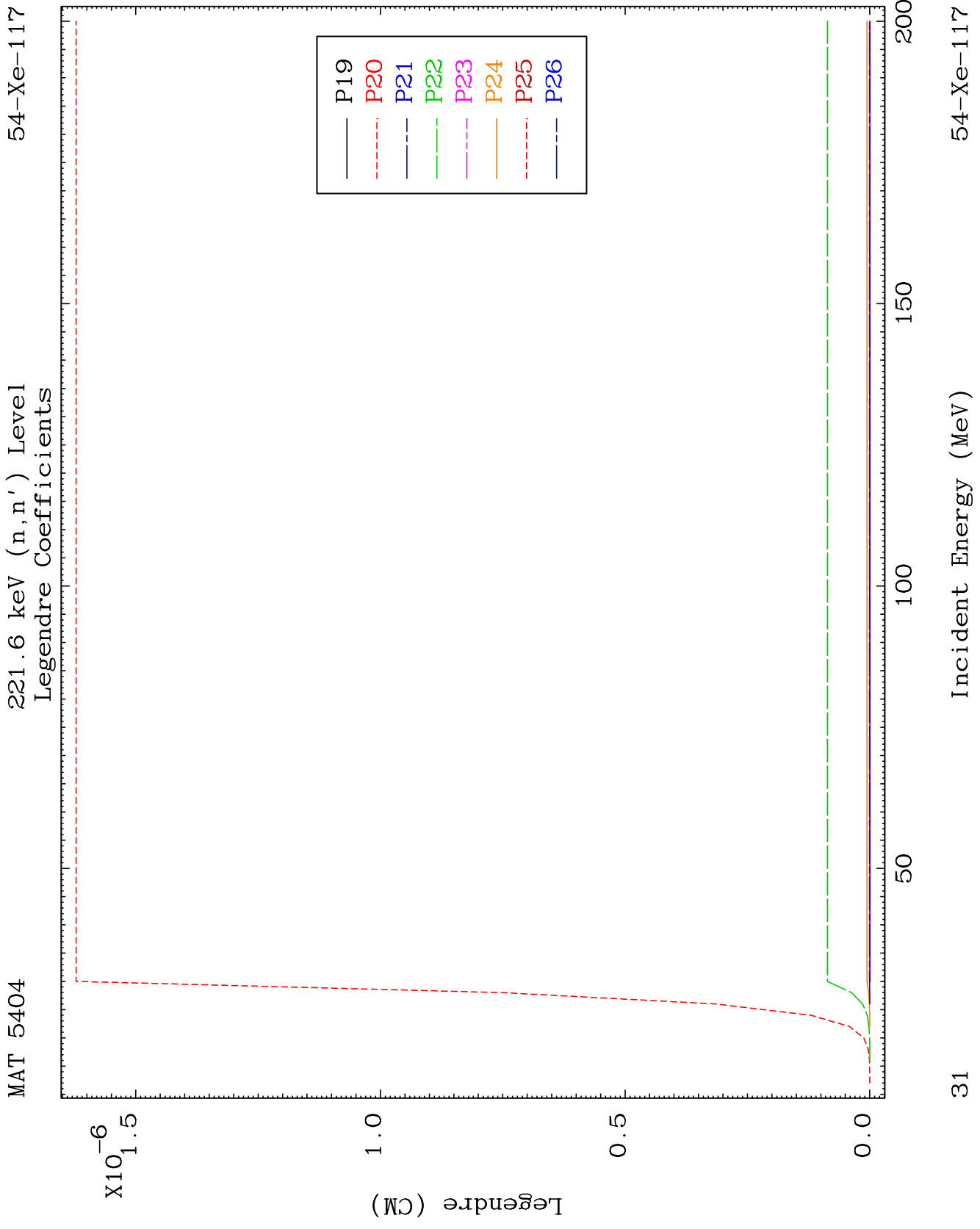
54-Xe-117



54-Xe-117

Incident Energy (MeV)

30

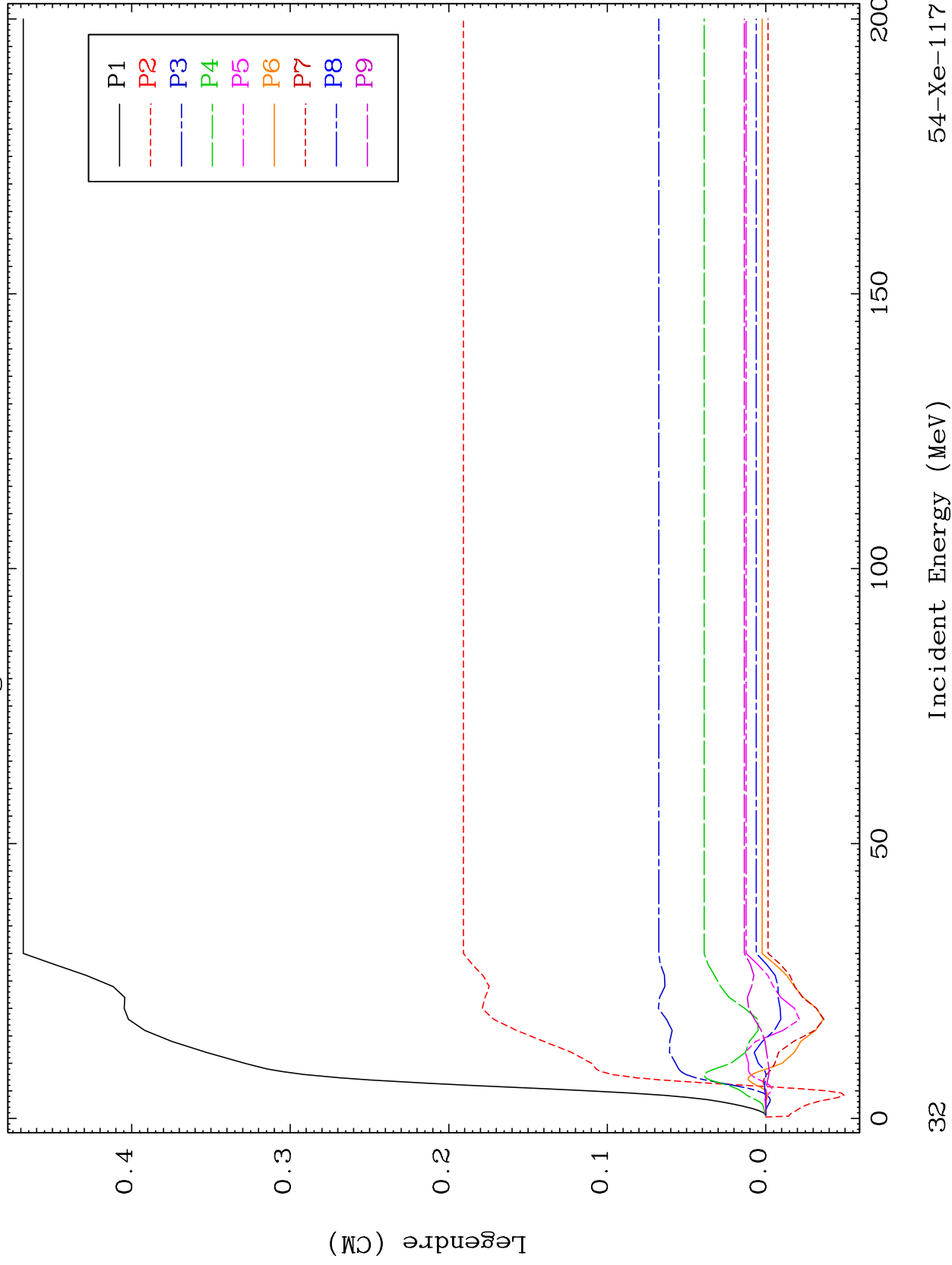




MAT 5404

229.8 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

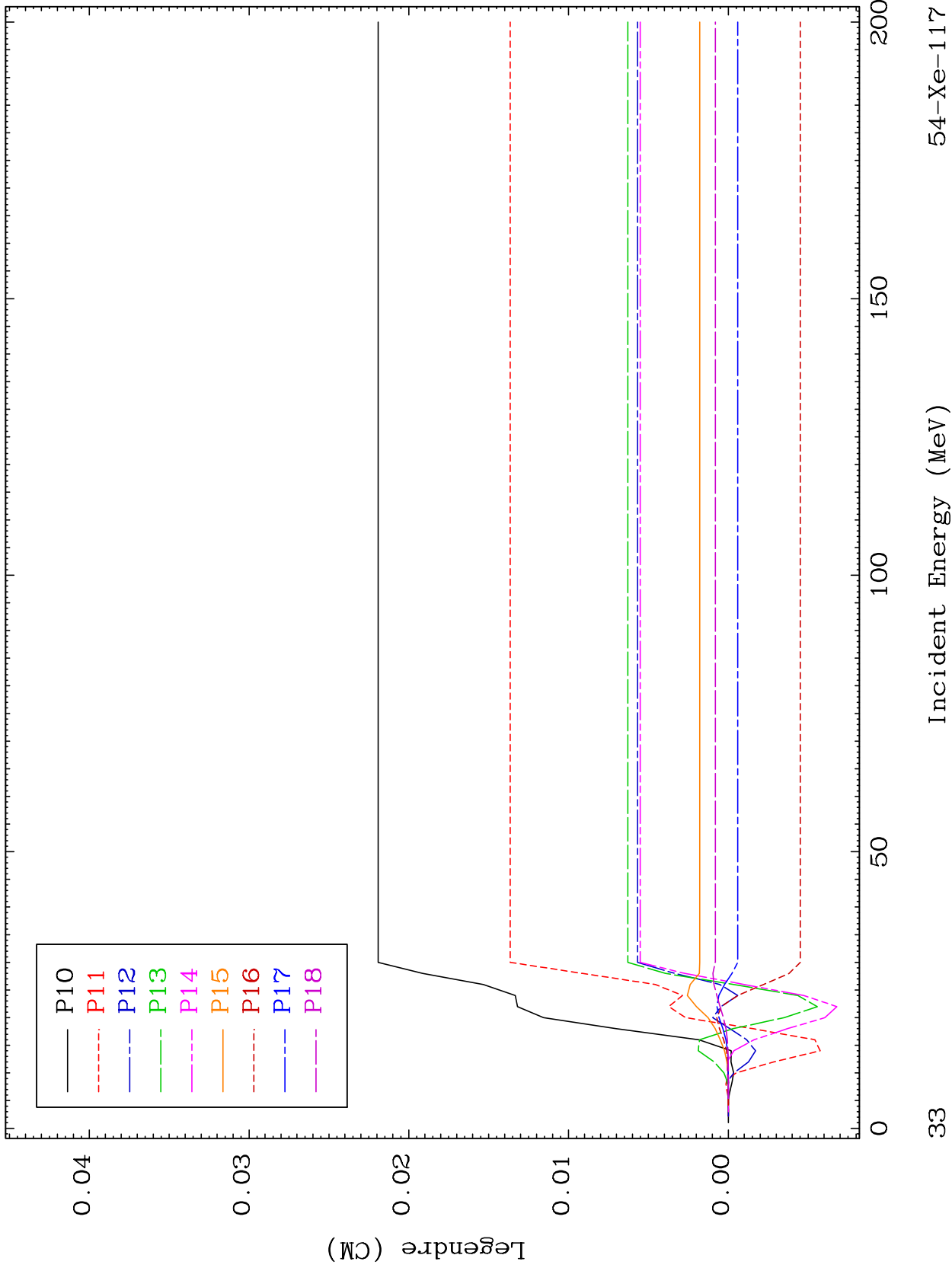
Incident Energy (MeV)

32

MAT 5404

229.8 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



33

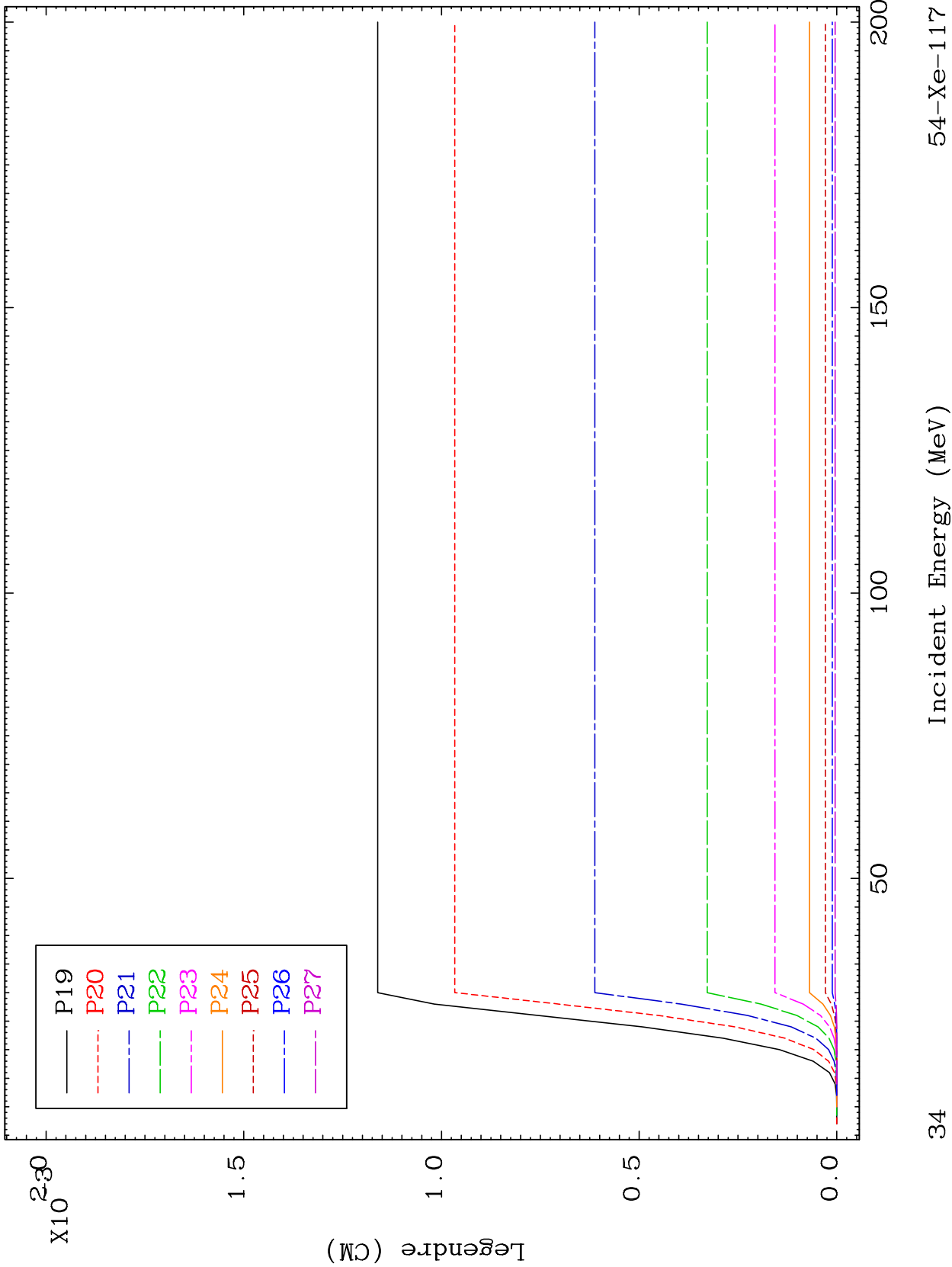
Incident Energy (MeV)

54-Xe-117

MAT 5404

229.8 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



34

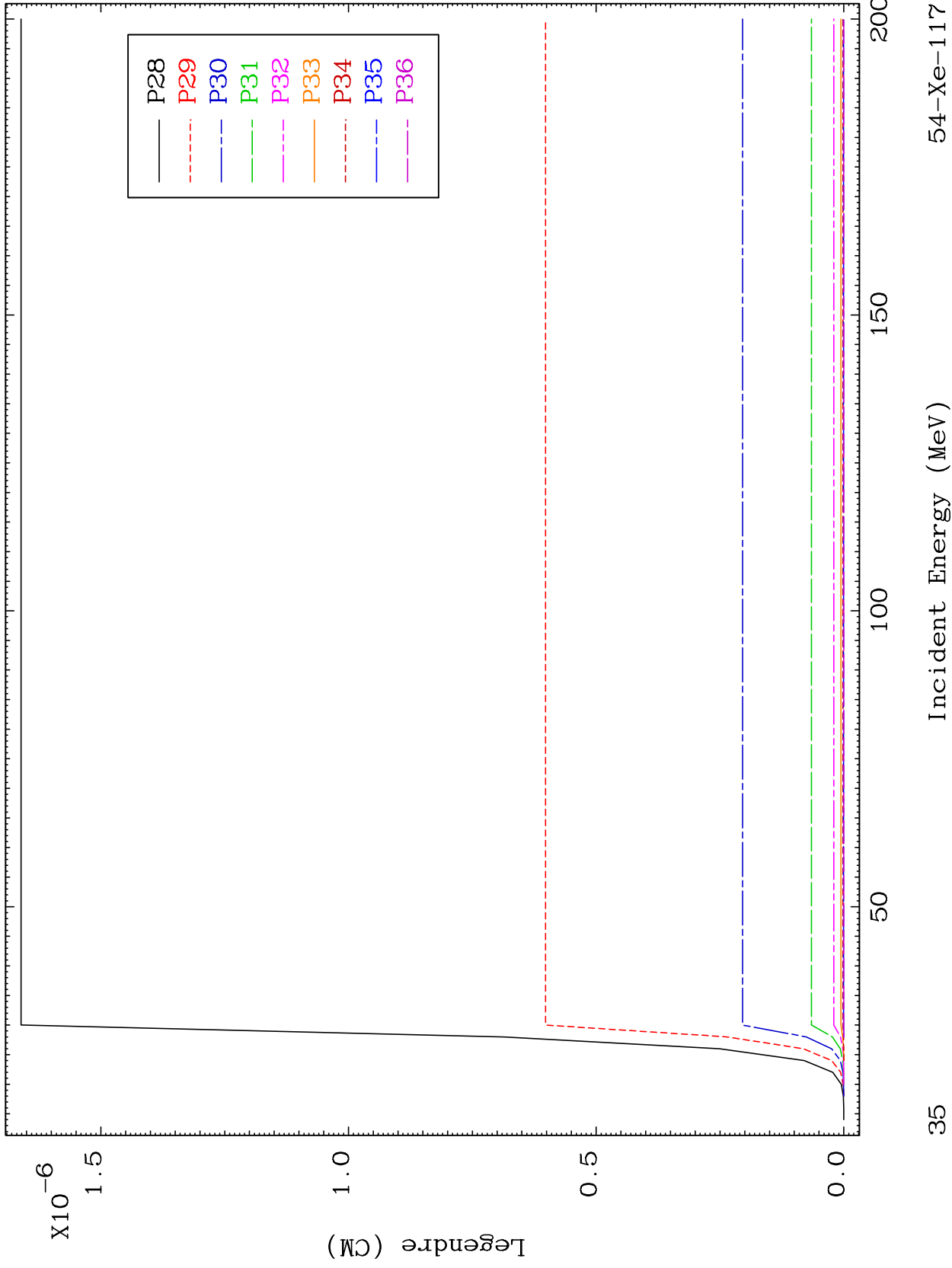
Incident Energy (MeV)

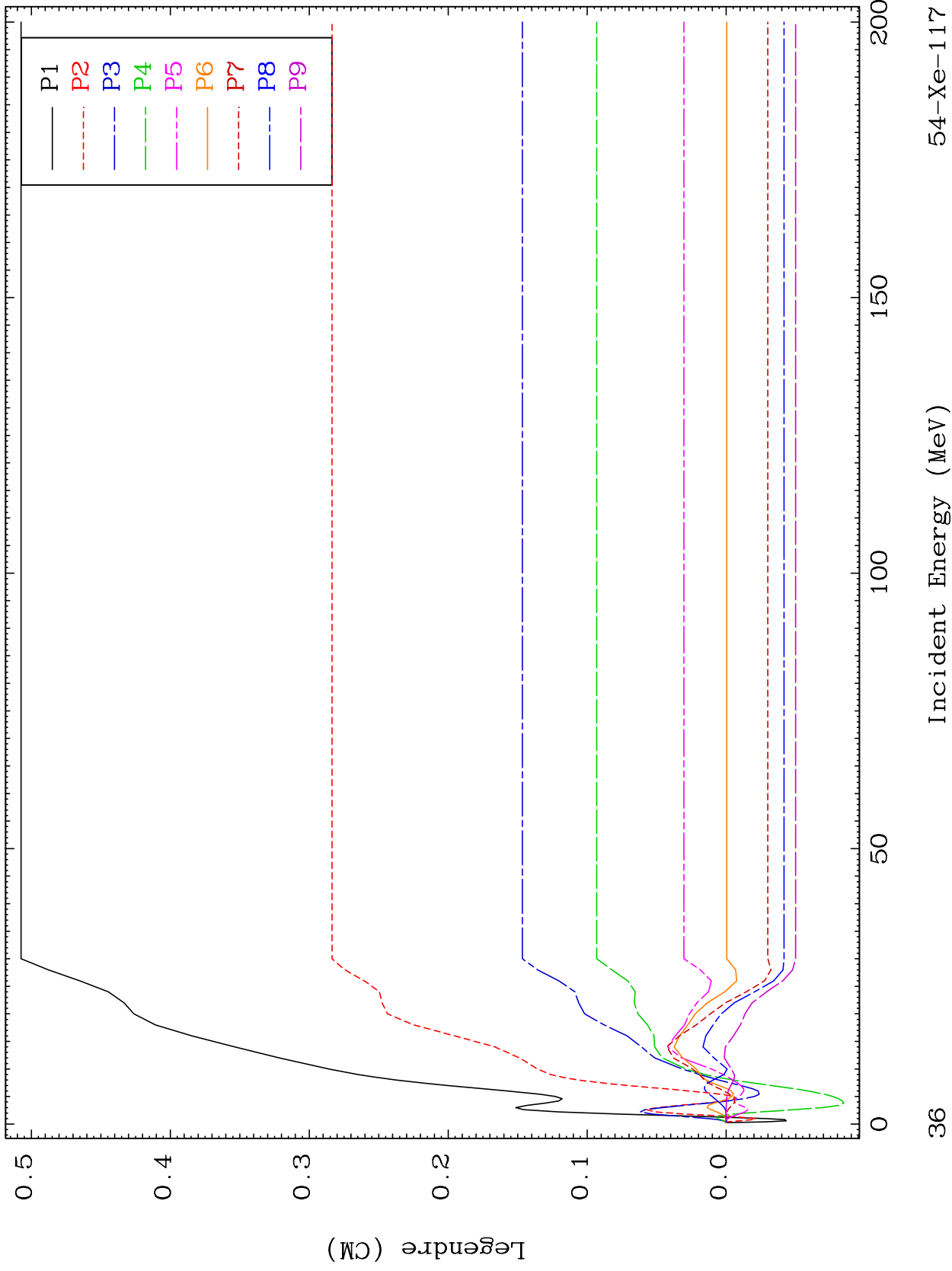
54-Xe-117

MAT 5404

229.8 keV (n,n') Level  
Legendre Coefficients

54-Xe-117

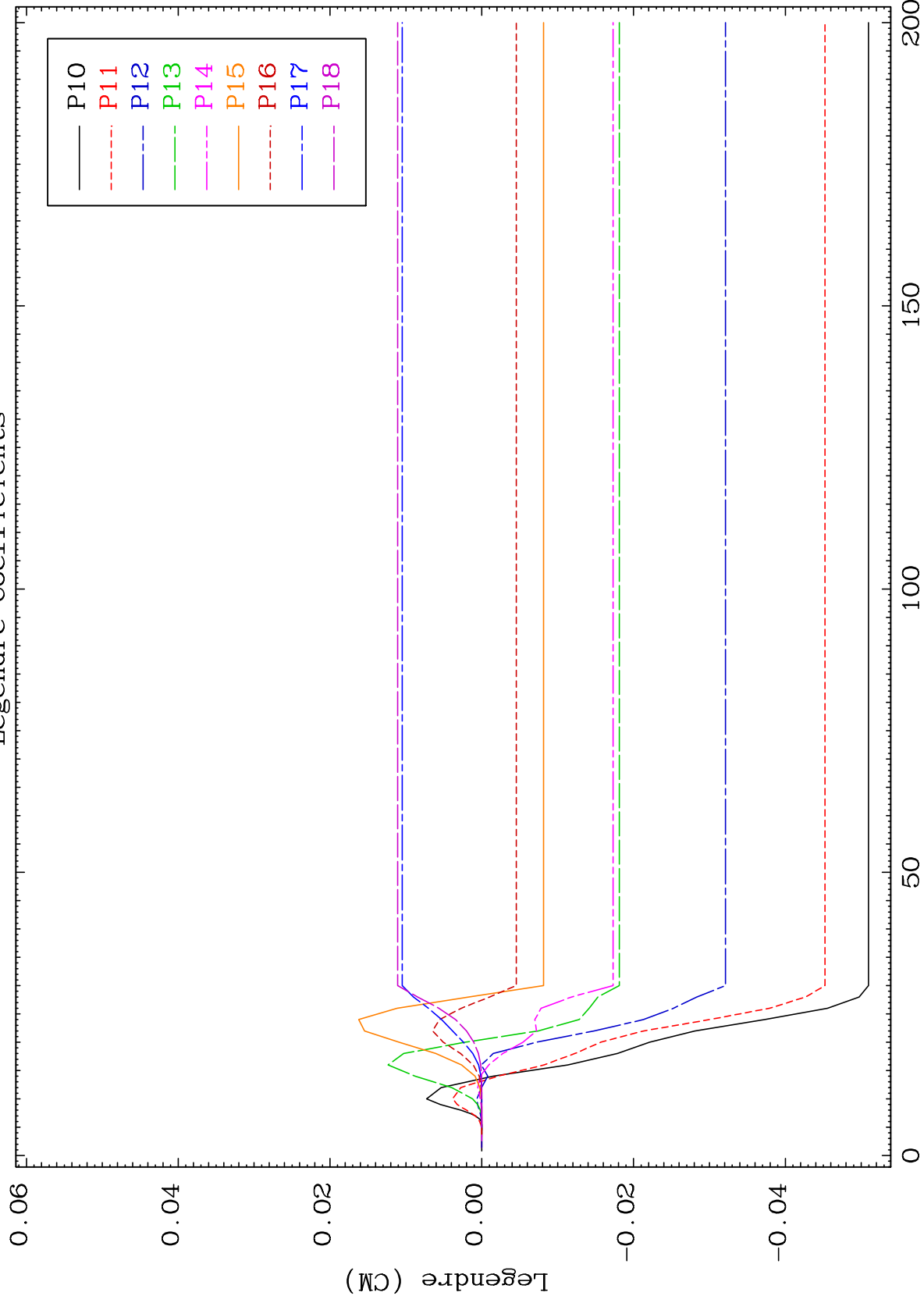




MAT 5404

242.7 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



37

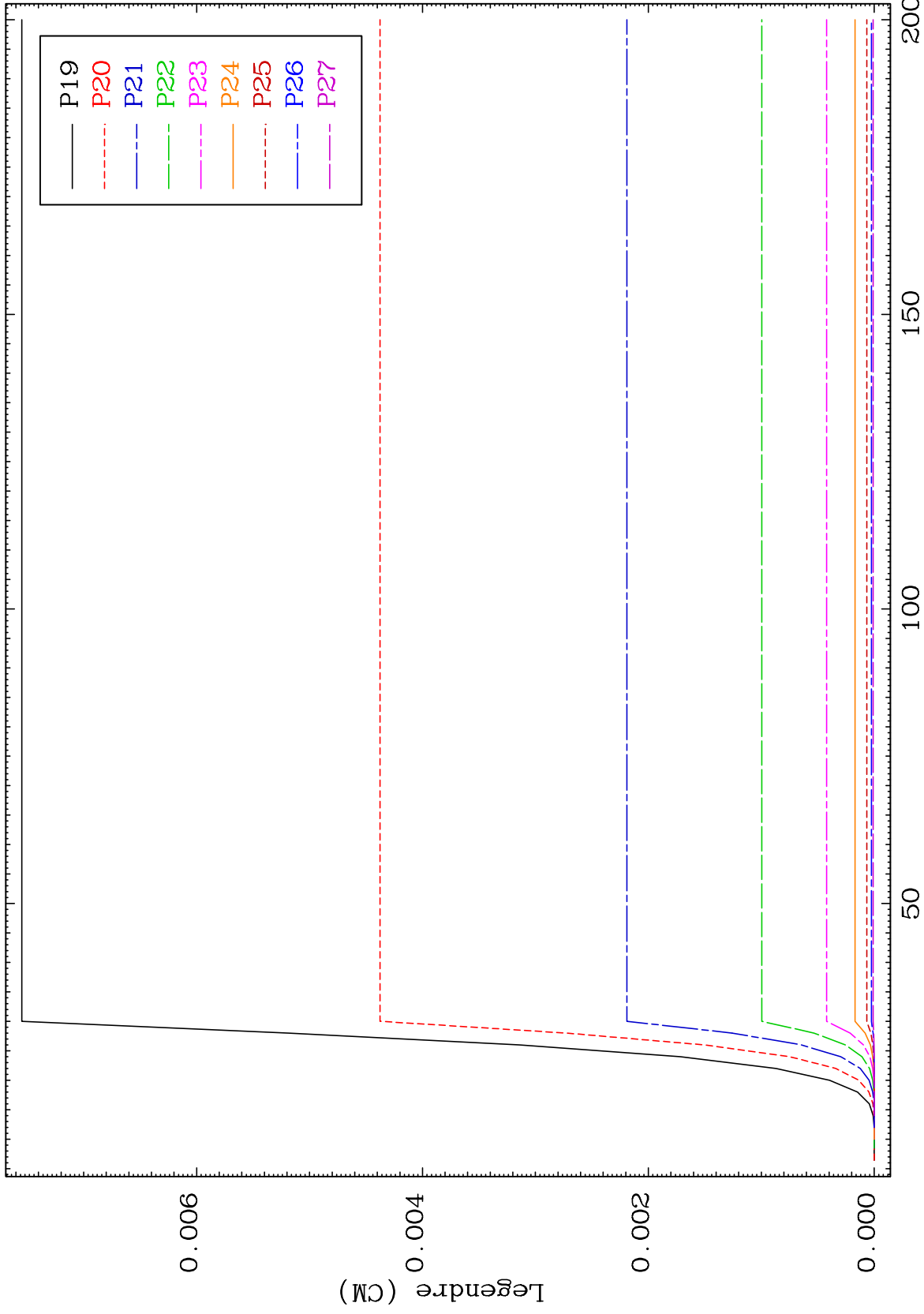
Incident Energy (MeV)

54-Xe-117

MAT 5404

242.7 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



38

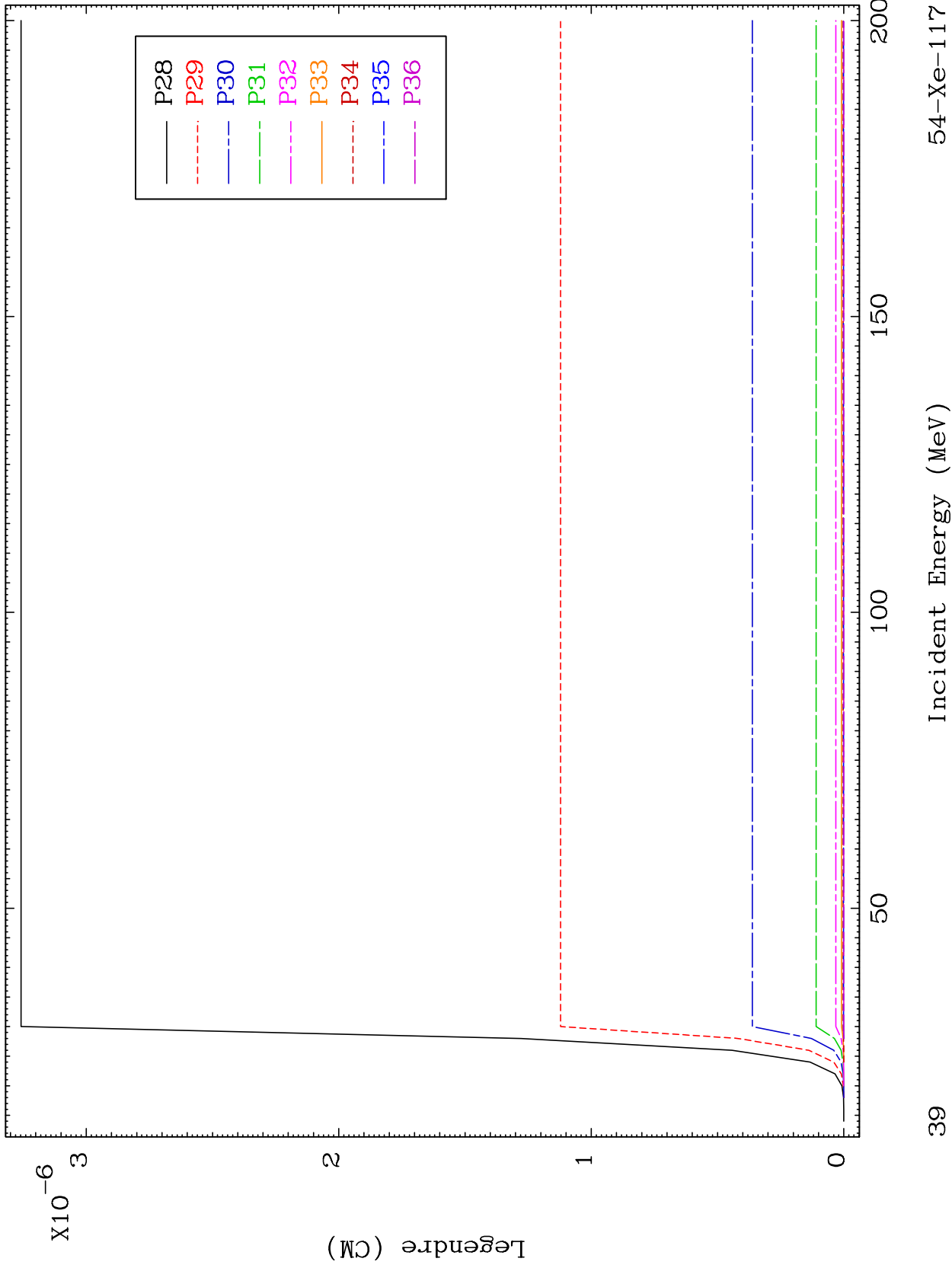
Incident Energy (MeV)

54-Xe-117

MAT 5404

242.7 keV (n, n') Level  
Legendre Coefficients

54-Xe-117

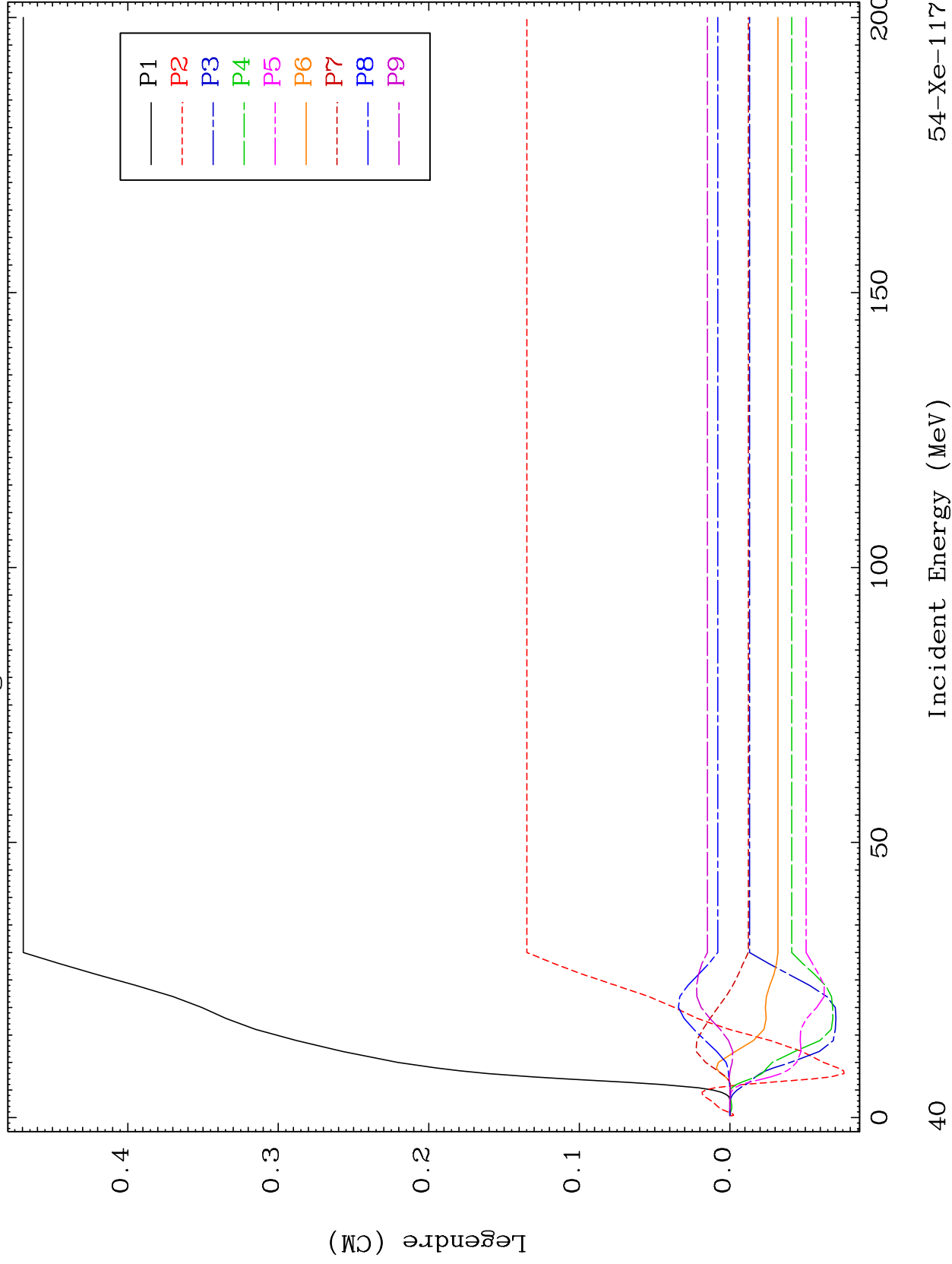




MAT 5404

263.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

Incident Energy (MeV)

40

0

50

100

150

200

0.4

0.3

0.2

0.1

0.0

P1

P2

P3

P4

P5

P6

P7

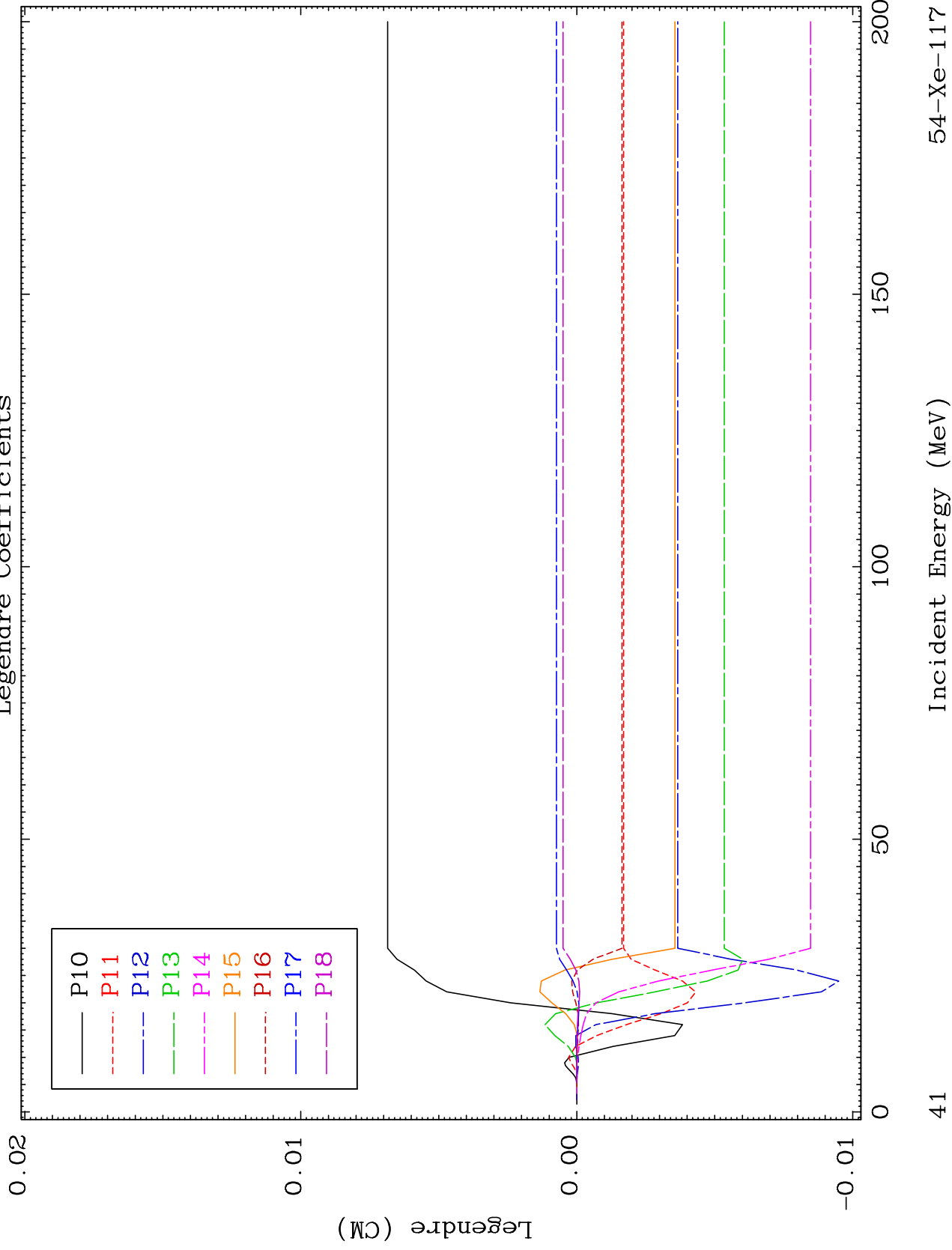
P8

P9

MAT 5404

263.1 keV (n,n') Level  
Legendre Coefficients

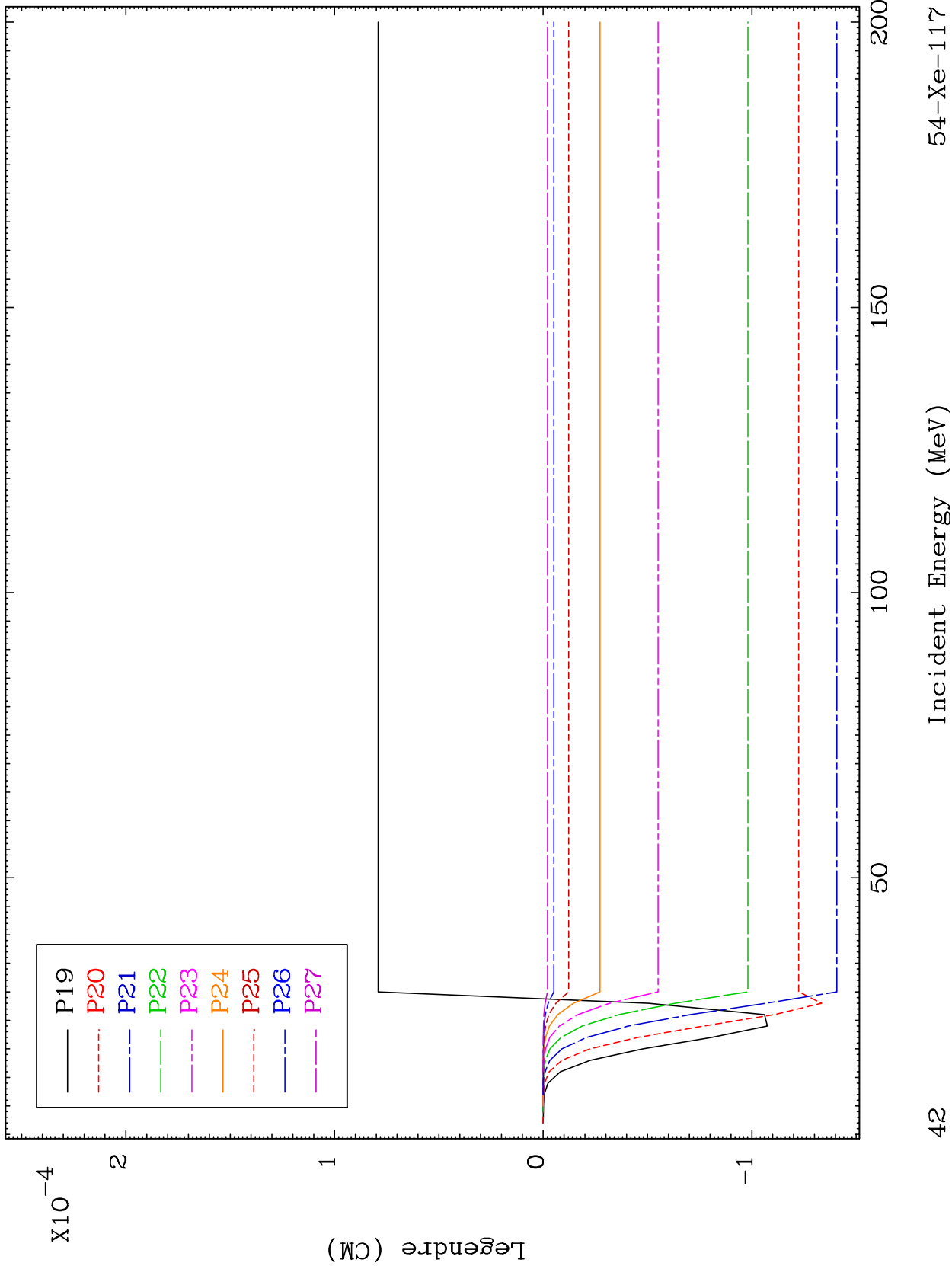
54-Xe-117

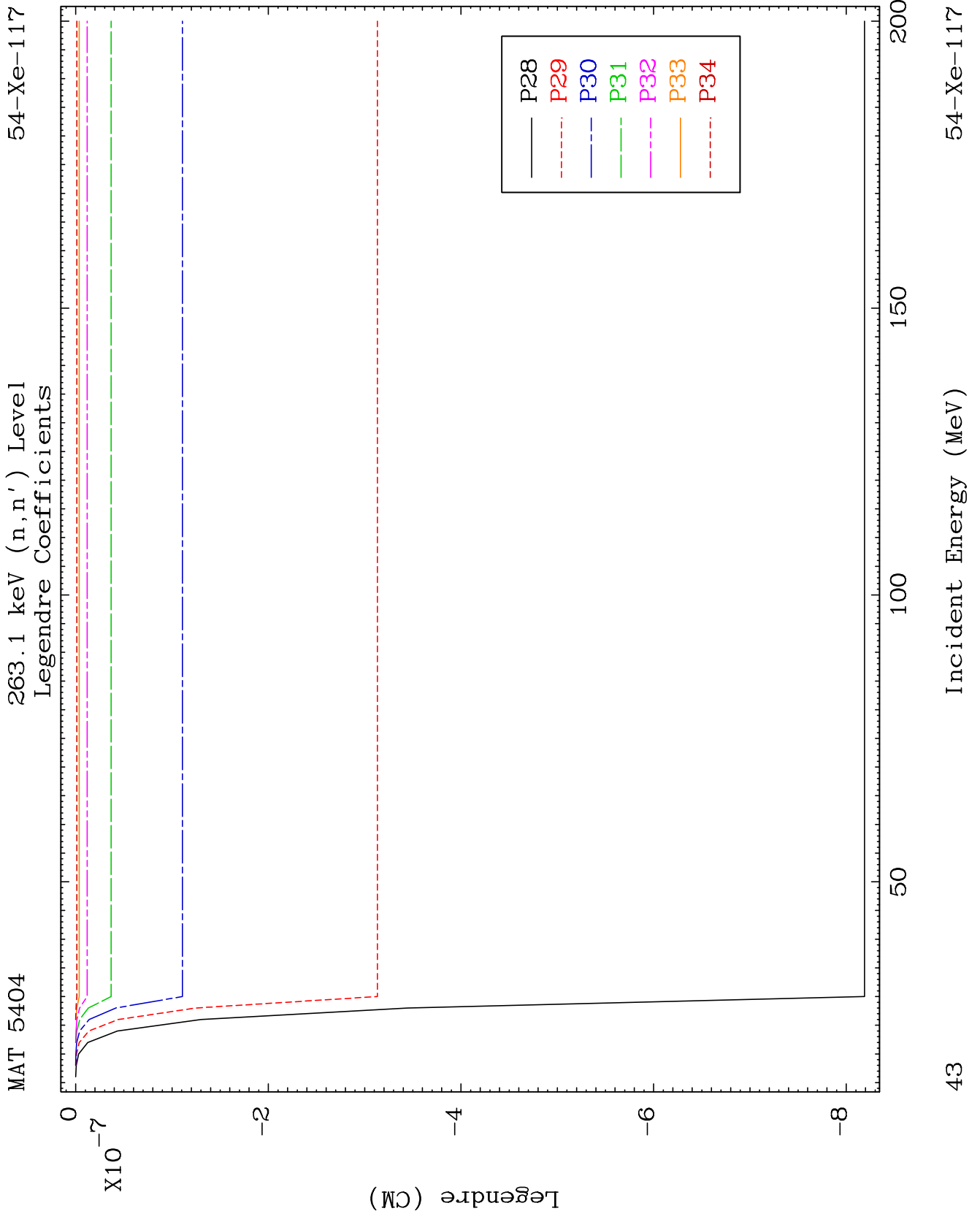


41

Incident Energy (MeV)

54-Xe-117

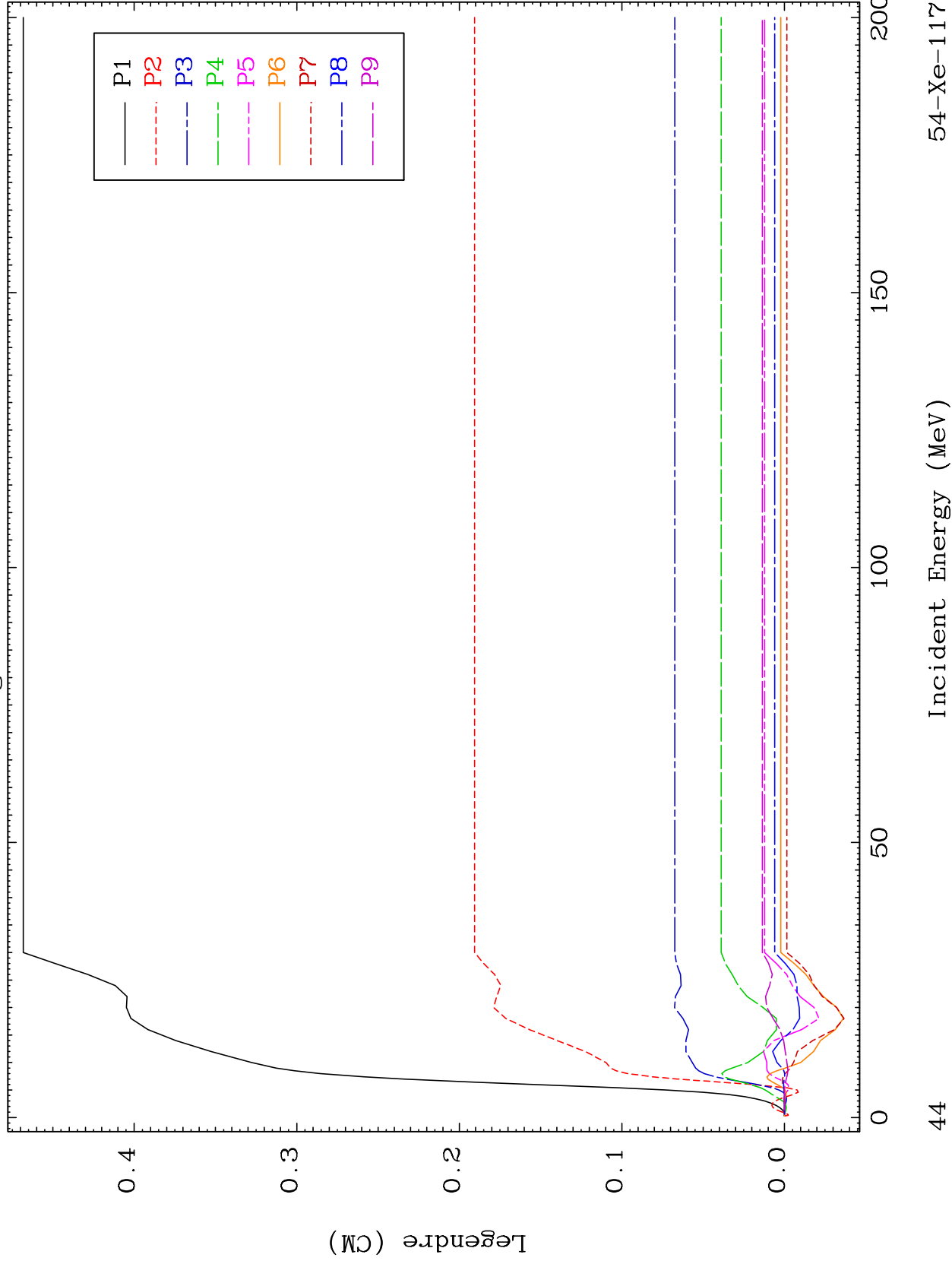




MAT 5404

271.2 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

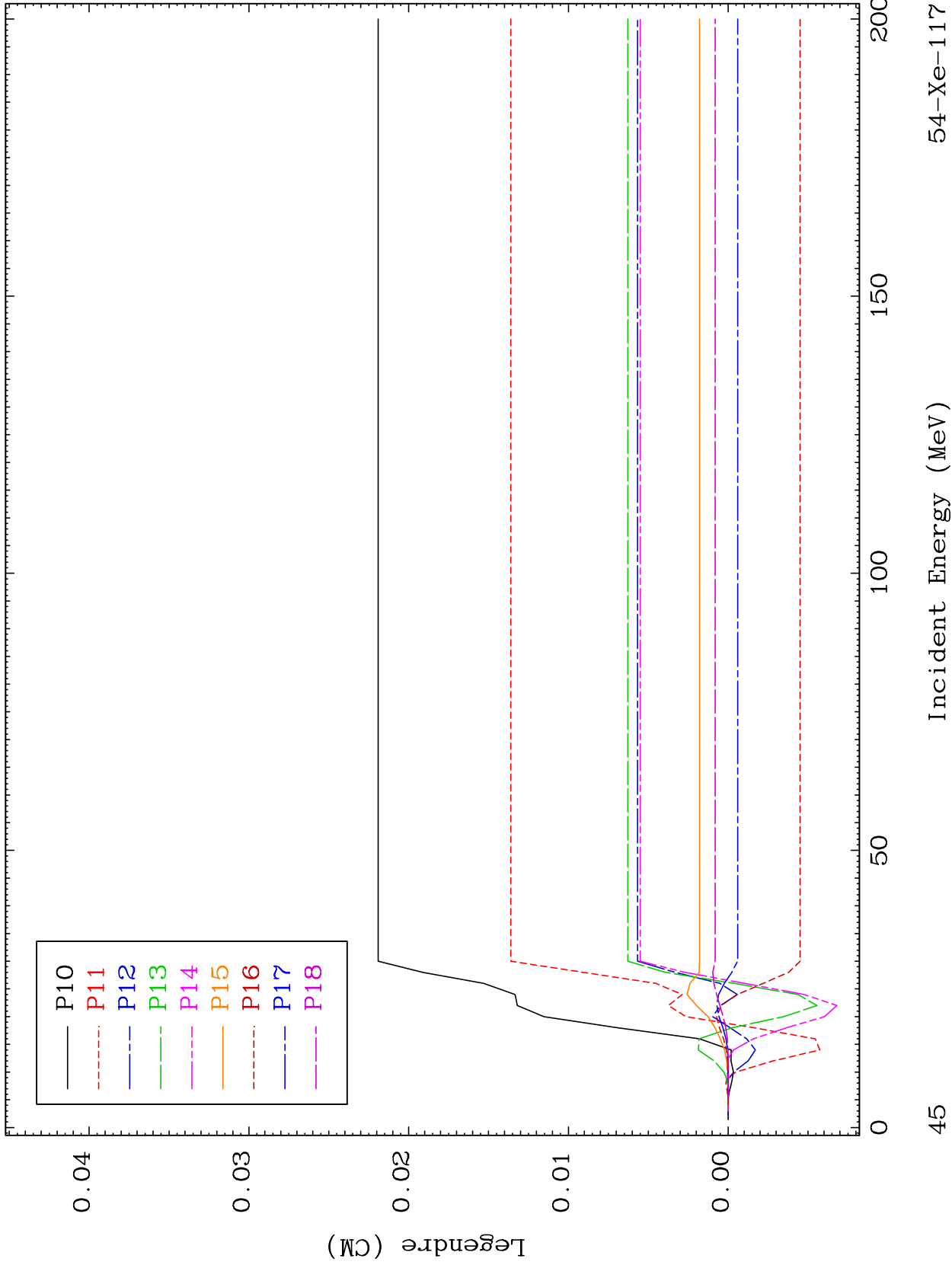
Incident Energy (MeV)

44

MAT 5404

271.2 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

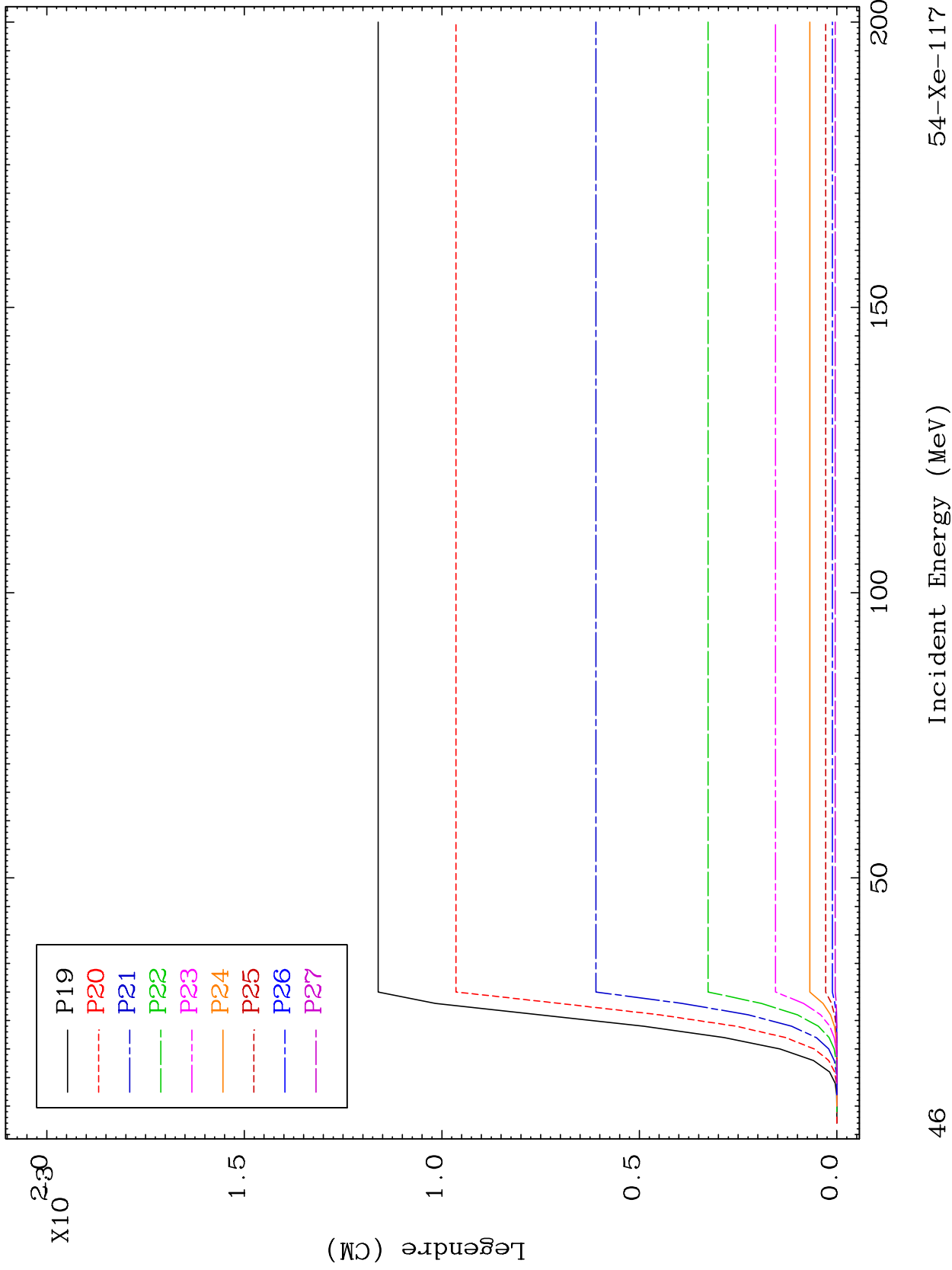
Incident Energy (MeV)

45

MAT 5404

271.2 keV (n,n') Level  
Legendre Coefficients

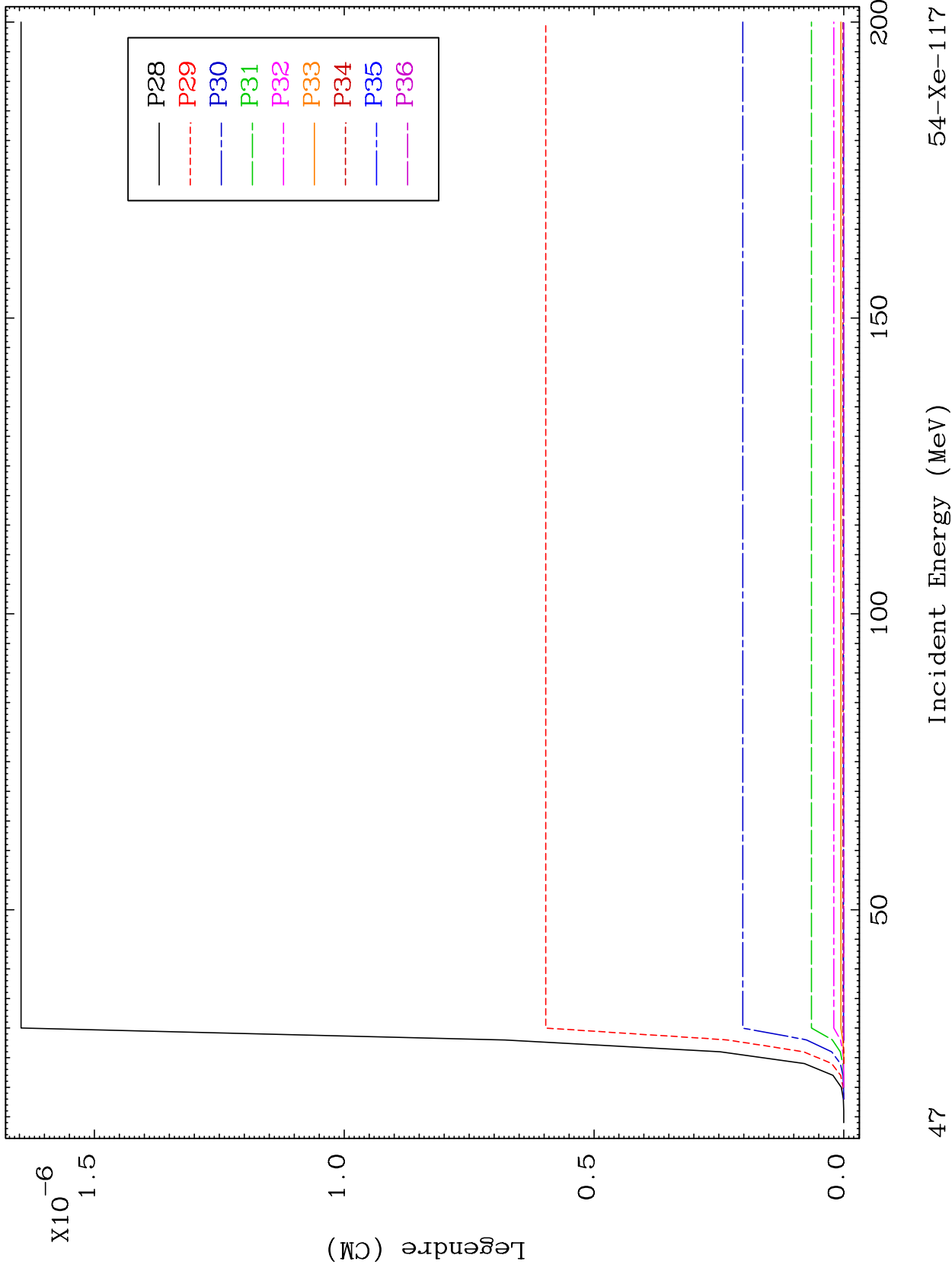
54-Xe-117



MAT 5404

271.2 keV (n,n') Level  
Legendre Coefficients

54-Xe-117

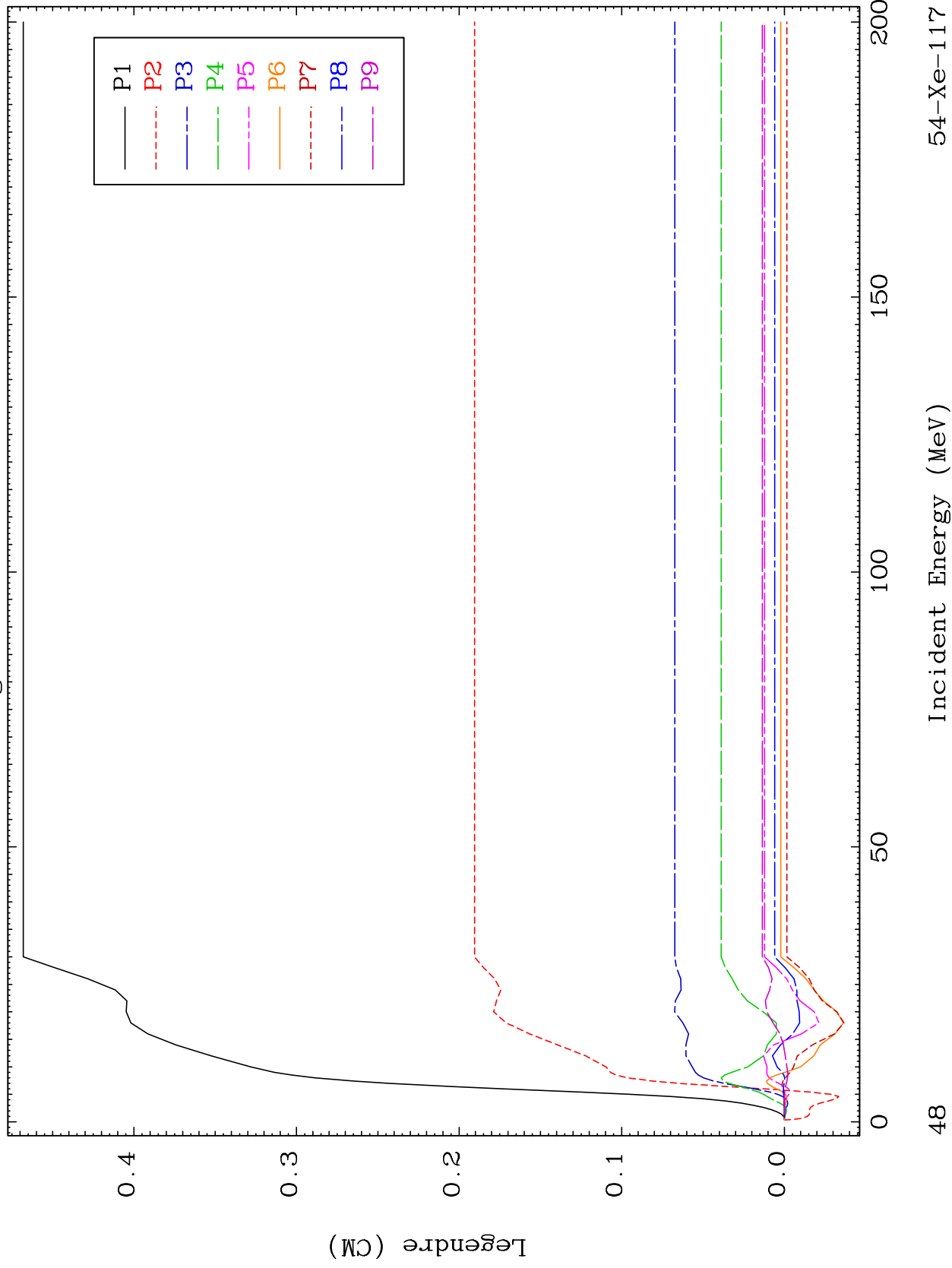




MAT 5404

313.5 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

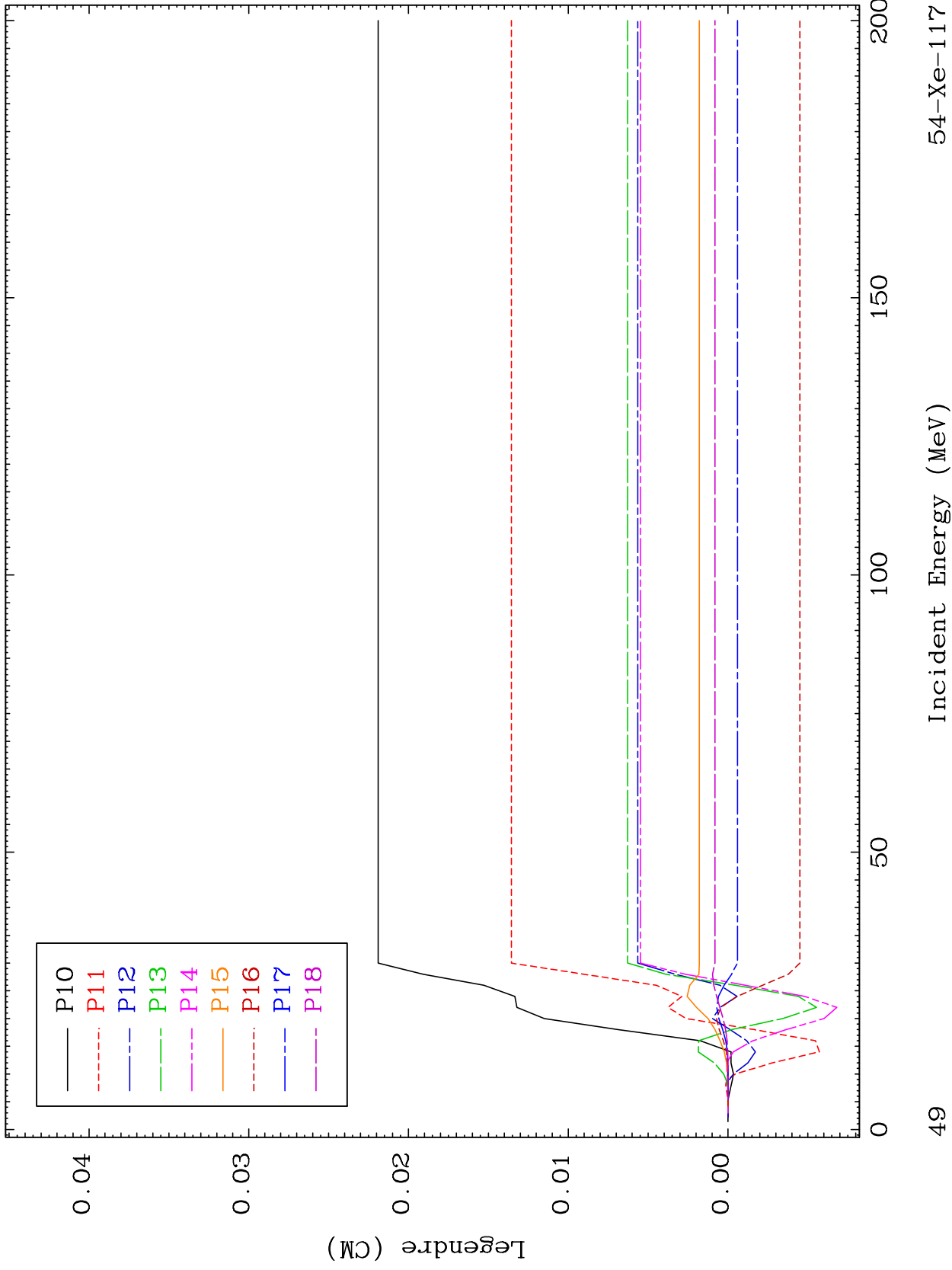
Incident Energy (MeV)

48

MAT 5404

313.5 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

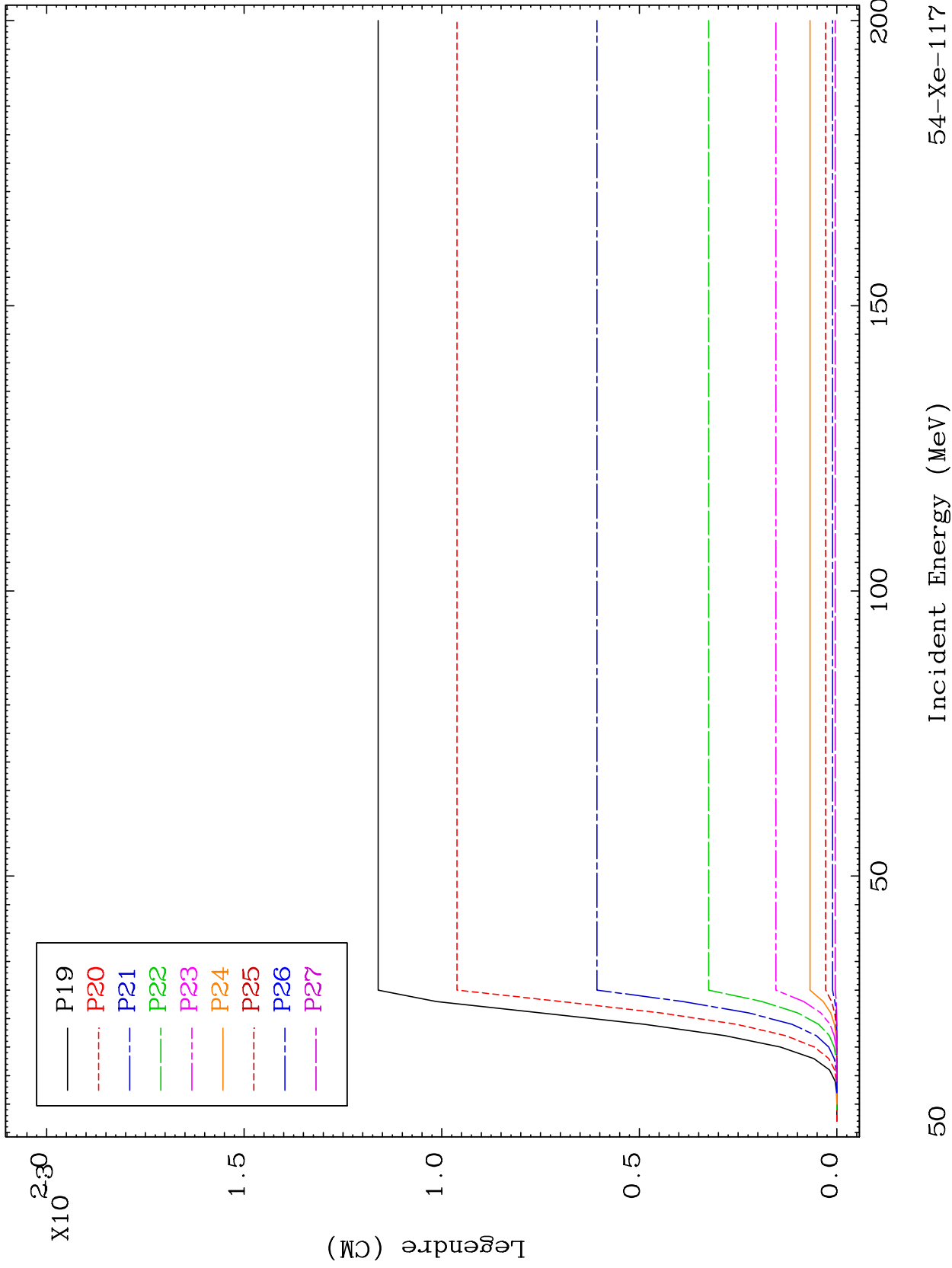
Incident Energy (MeV)

49

MAT 5404

313.5 keV (n,n') Level  
Legendre Coefficients

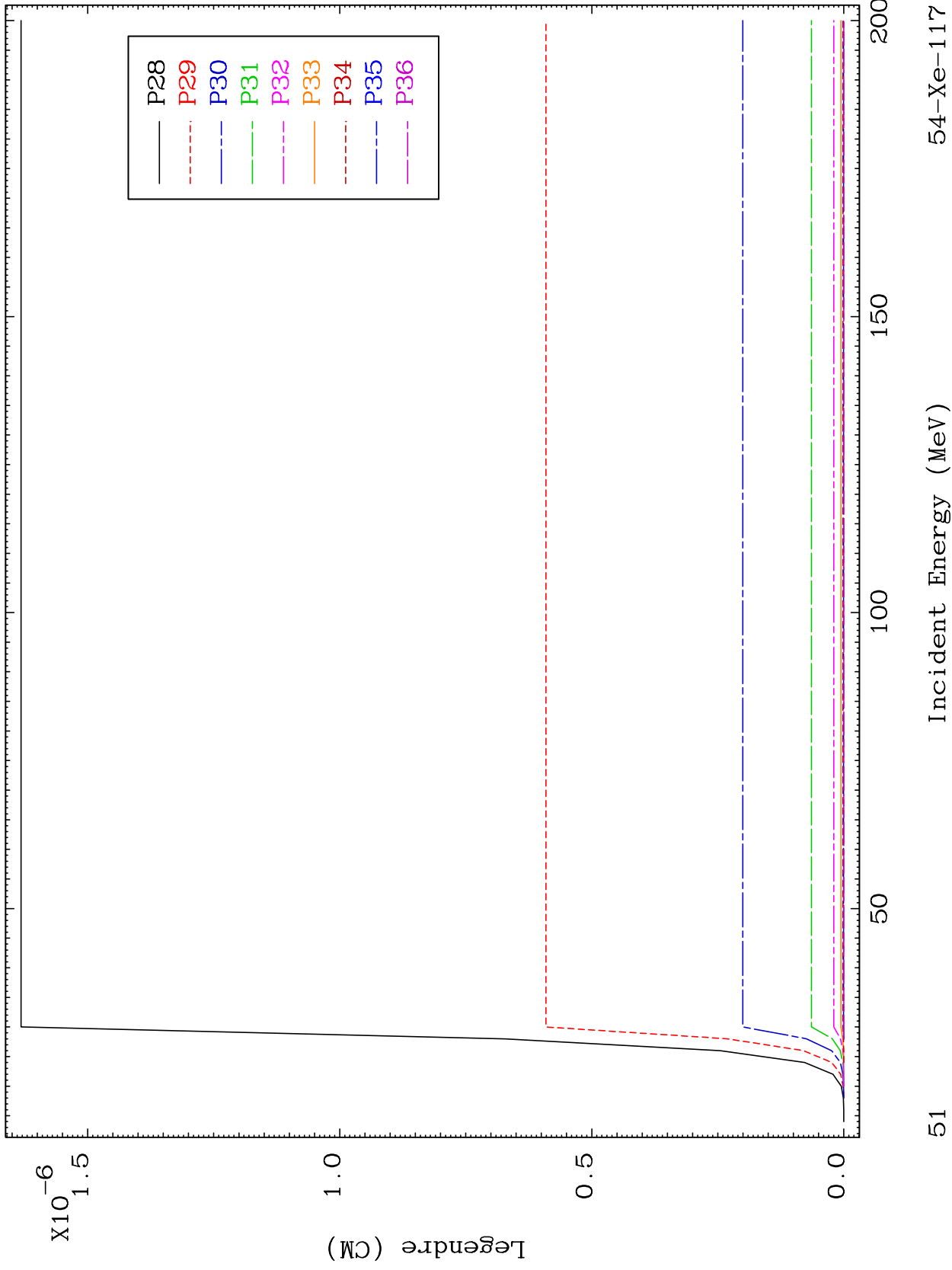
54-Xe-117



MAT 5404

313.5 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



51

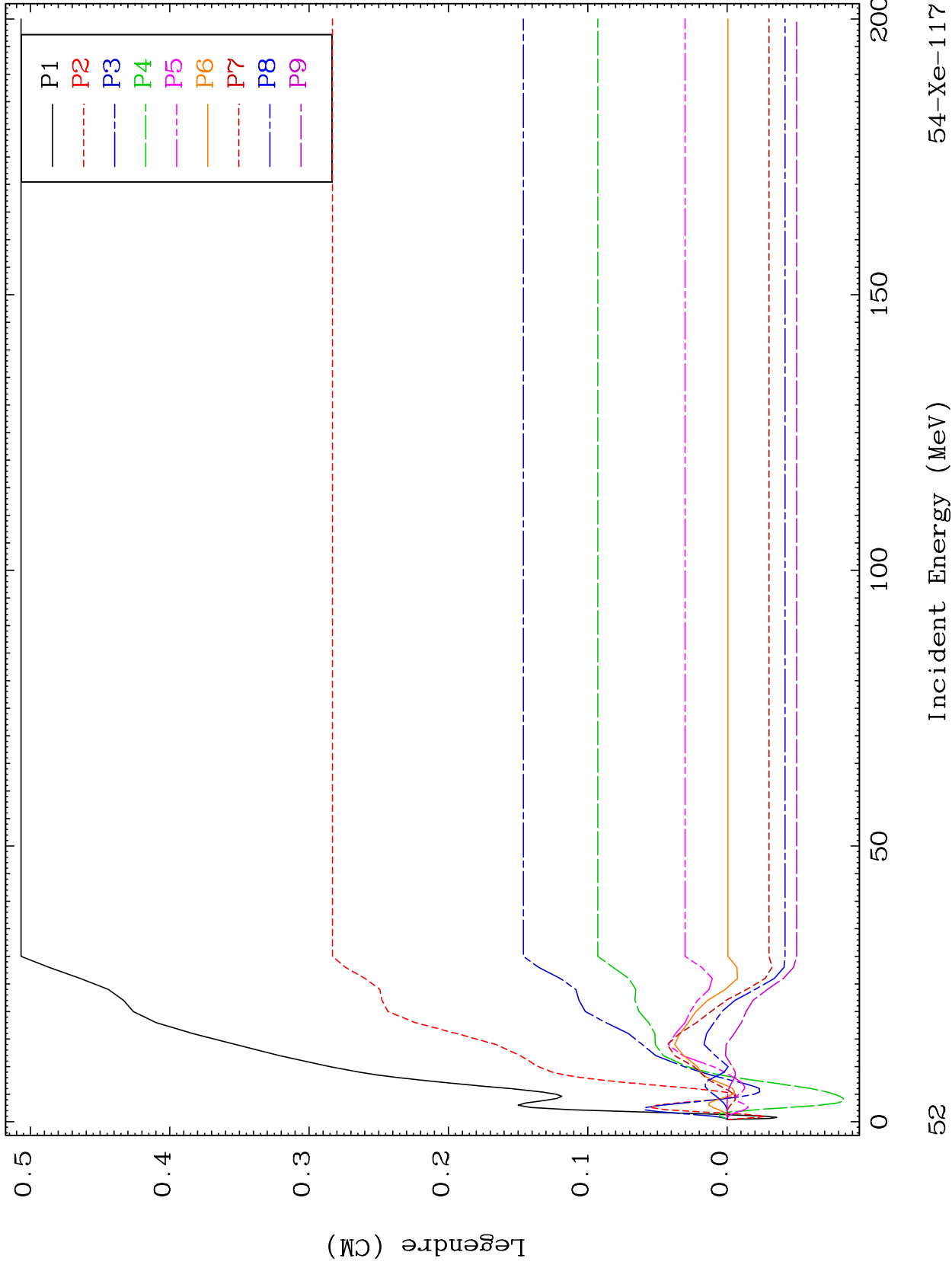
Incident Energy (MeV)

54-Xe-117

MAT 5404

364.7 keV (n, n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

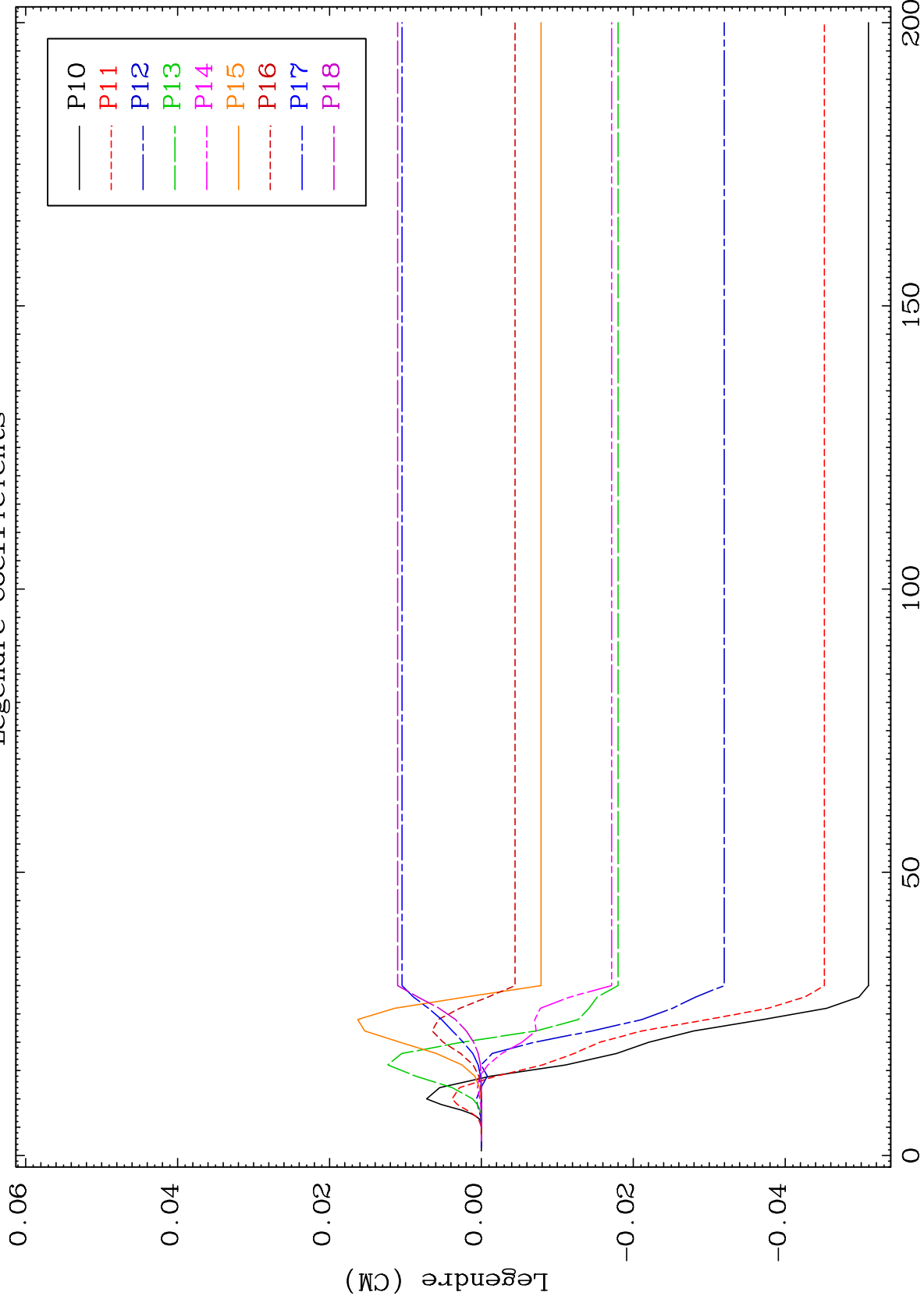
Incident Energy (MeV)

52

MAT 5404

364.7 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



53

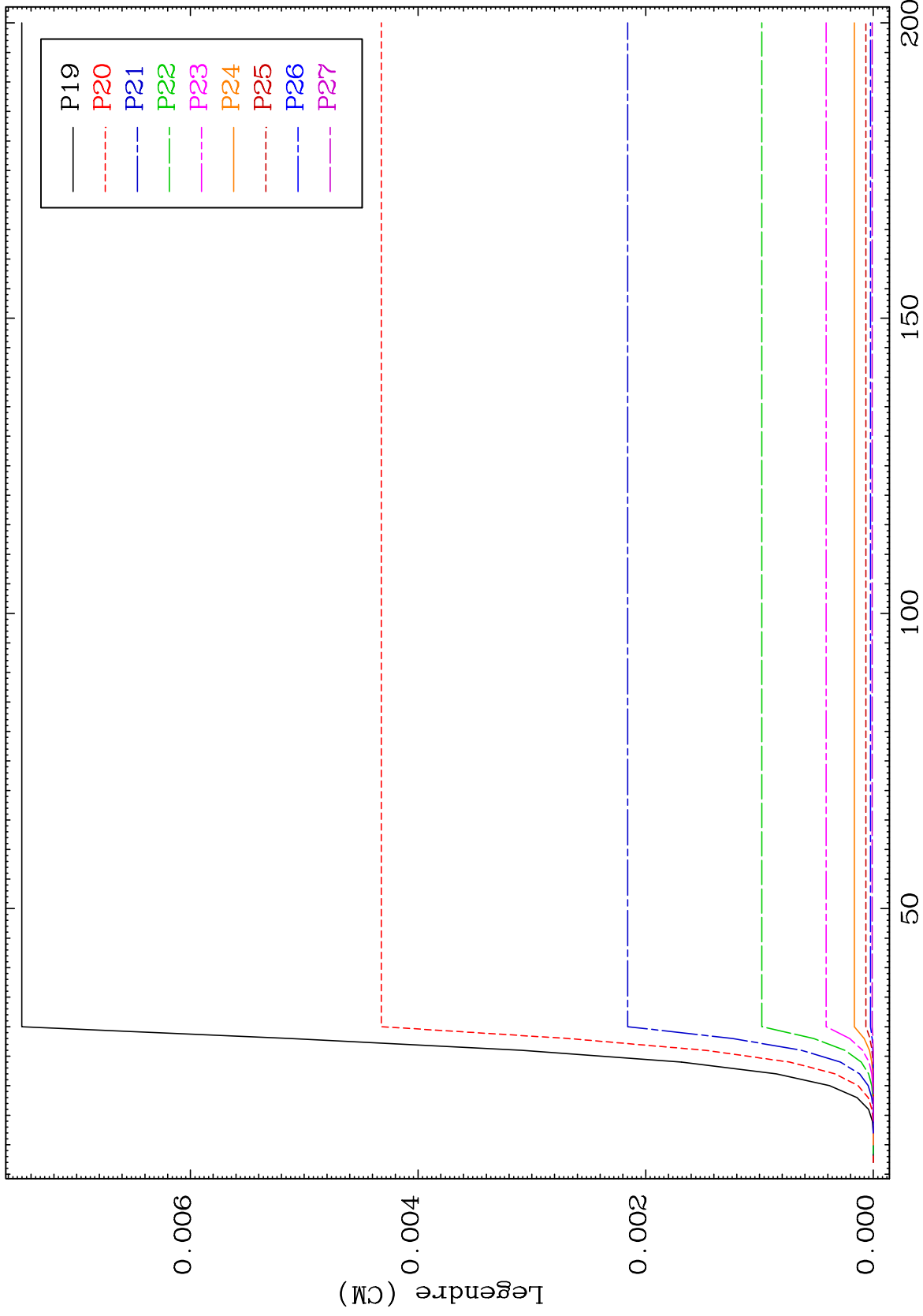
Incident Energy (MeV)

54-Xe-117

MAT 5404

364.7 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54

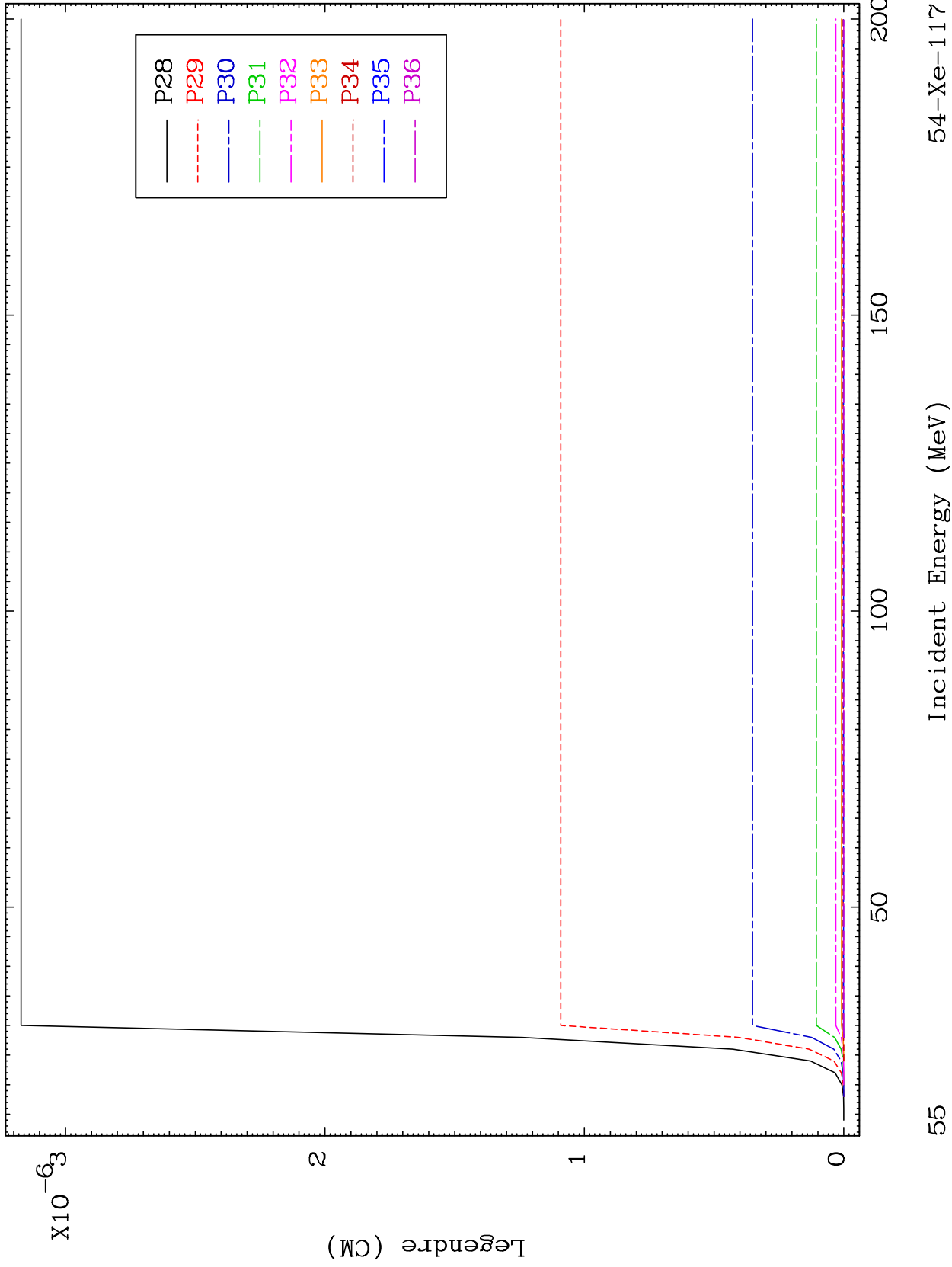
Incident Energy (MeV)

54-Xe-117

MAT 5404

364.7 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



55

Incident Energy (MeV)

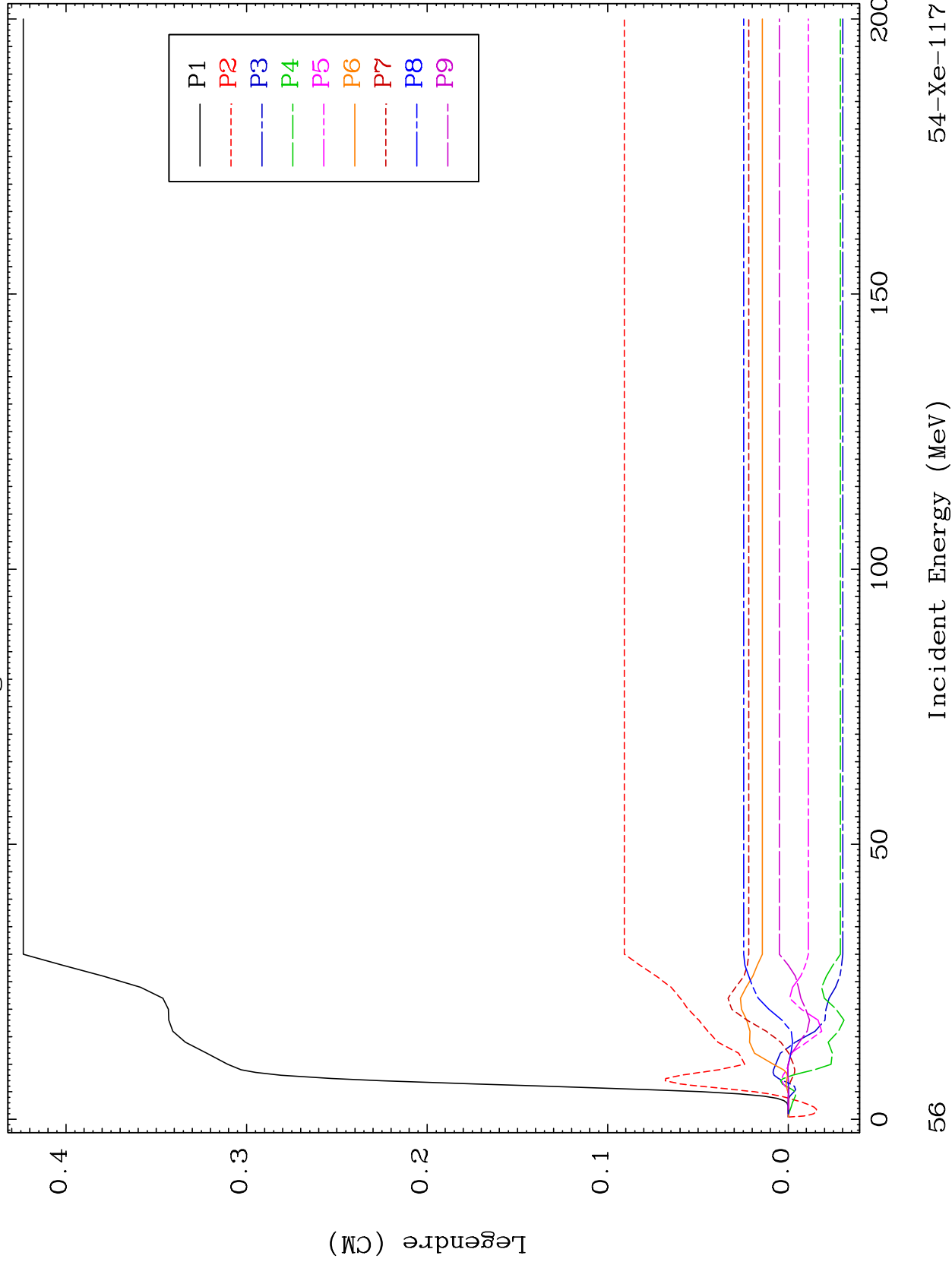
54-Xe-117



MAT 5404

393.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

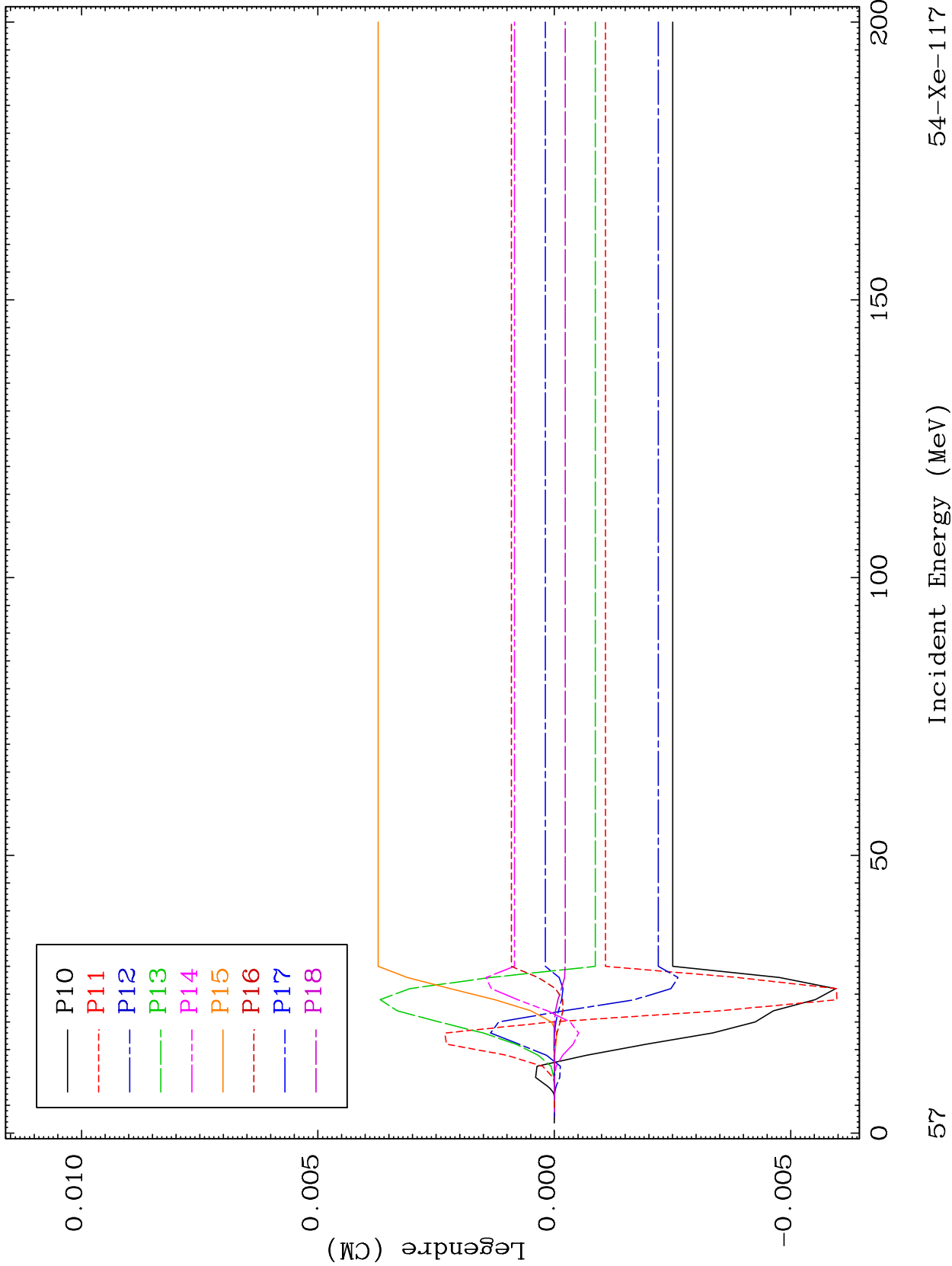
Incident Energy (MeV)

56

MAT 5404

393.1 keV (n,n') Level  
Legendre Coefficients

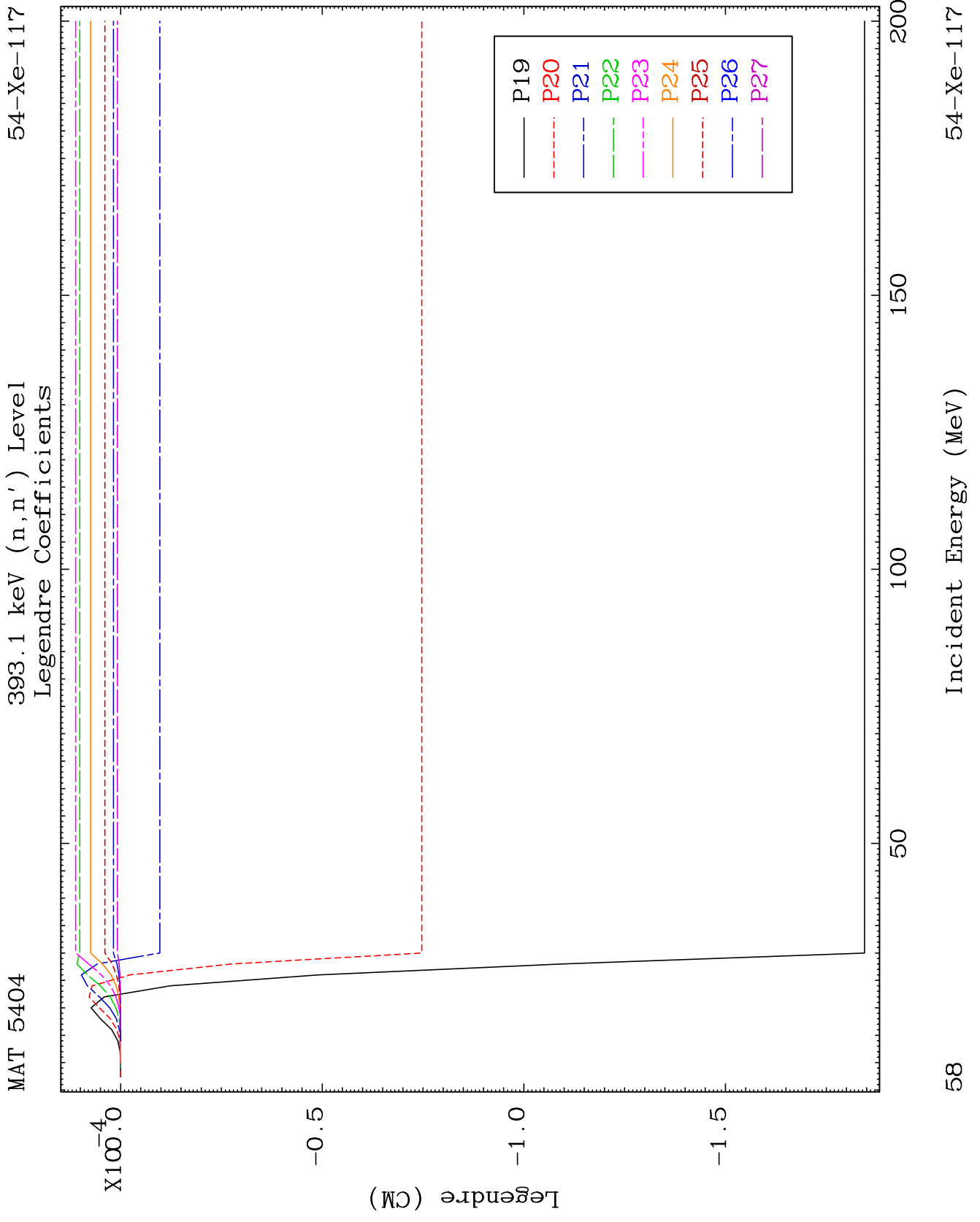
54-Xe-117



57

Incident Energy (MeV)

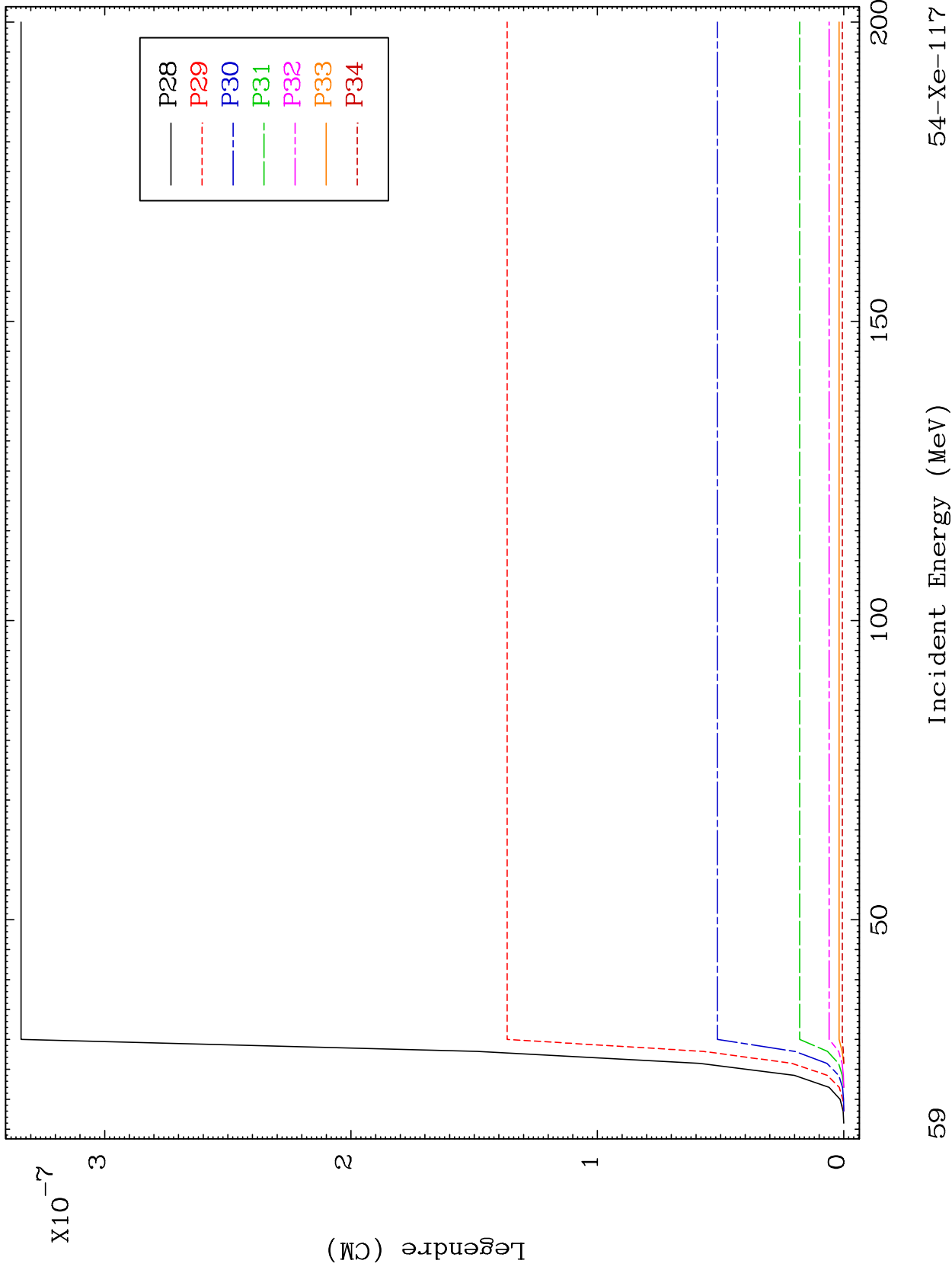
54-Xe-117



MAT 5404

393.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



59

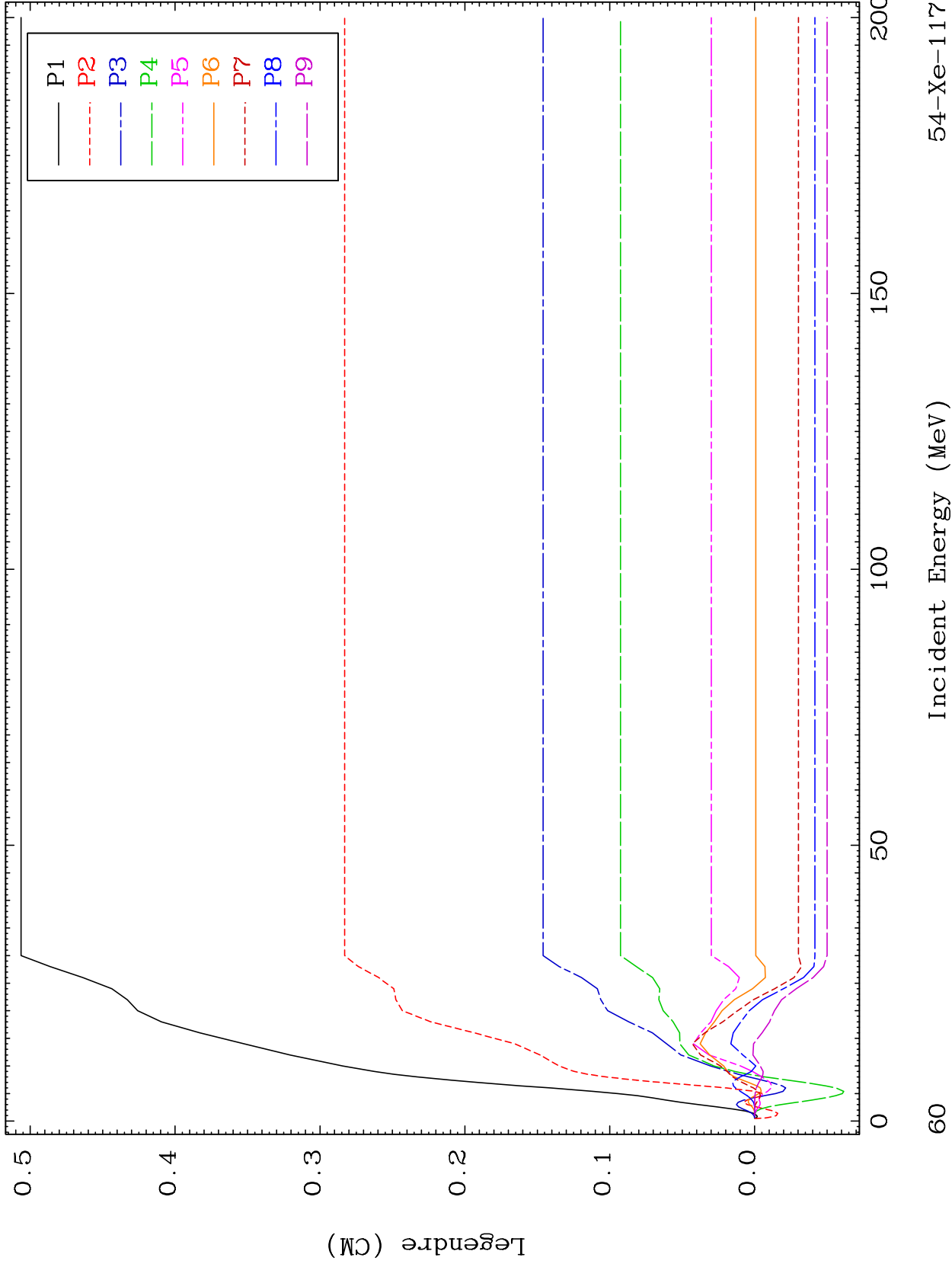
Incident Energy (MeV)

54-Xe-117

MAT 5404

438.7 keV (n, n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

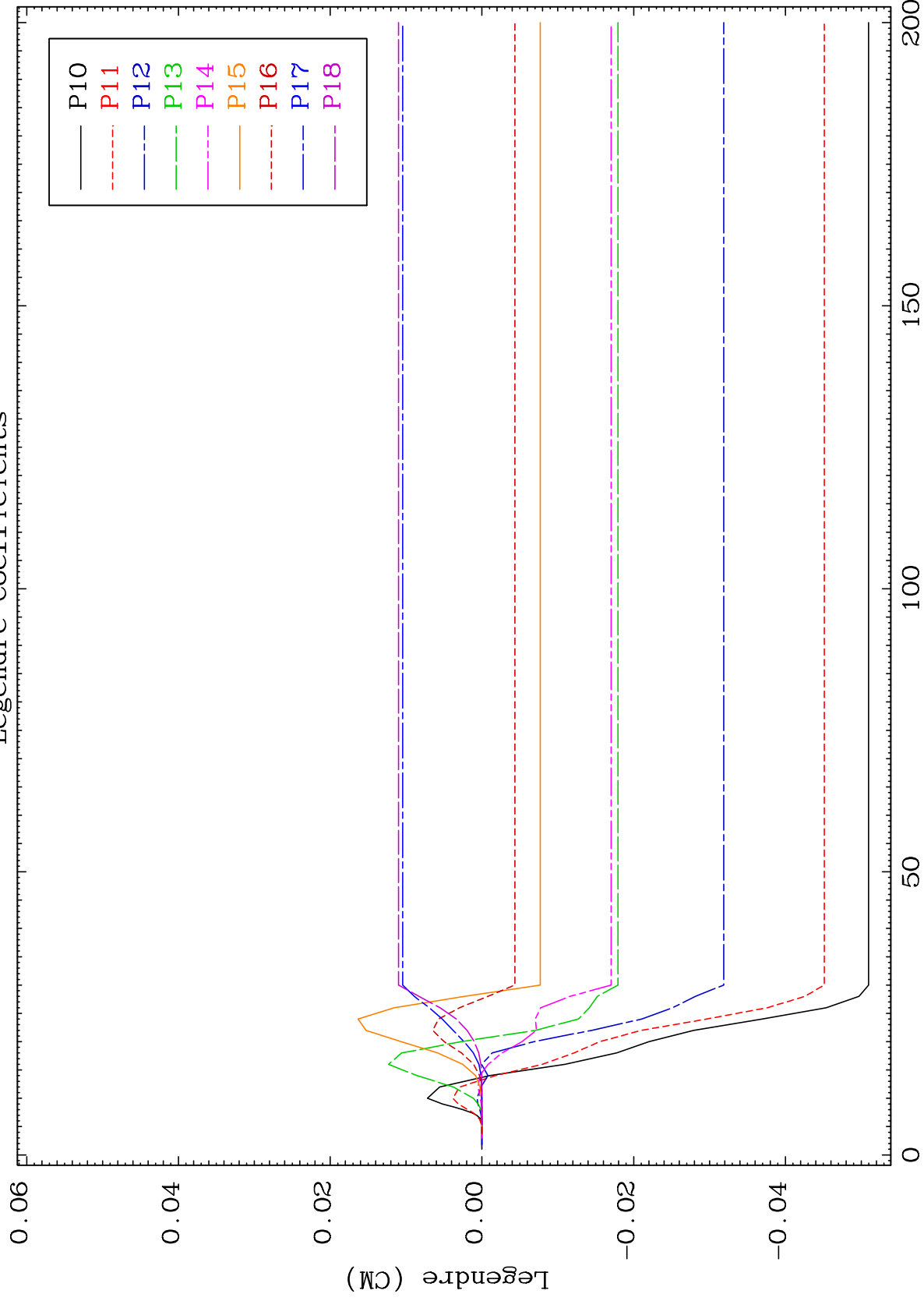
Incident Energy (MeV)

60

MAT 5404

438.7 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



61

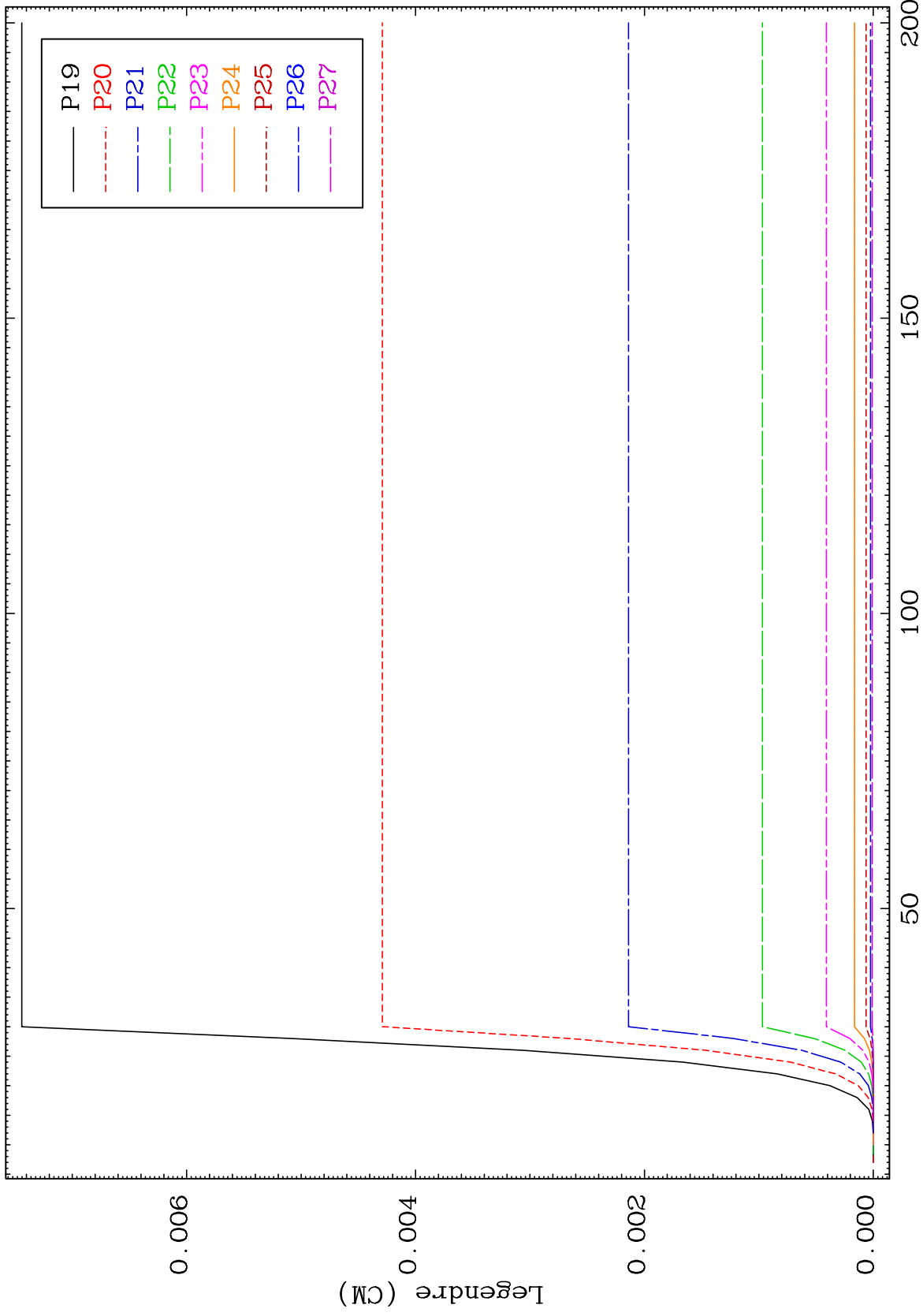
Incident Energy (MeV)

54-Xe-117

MAT 5404

438.7 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



62

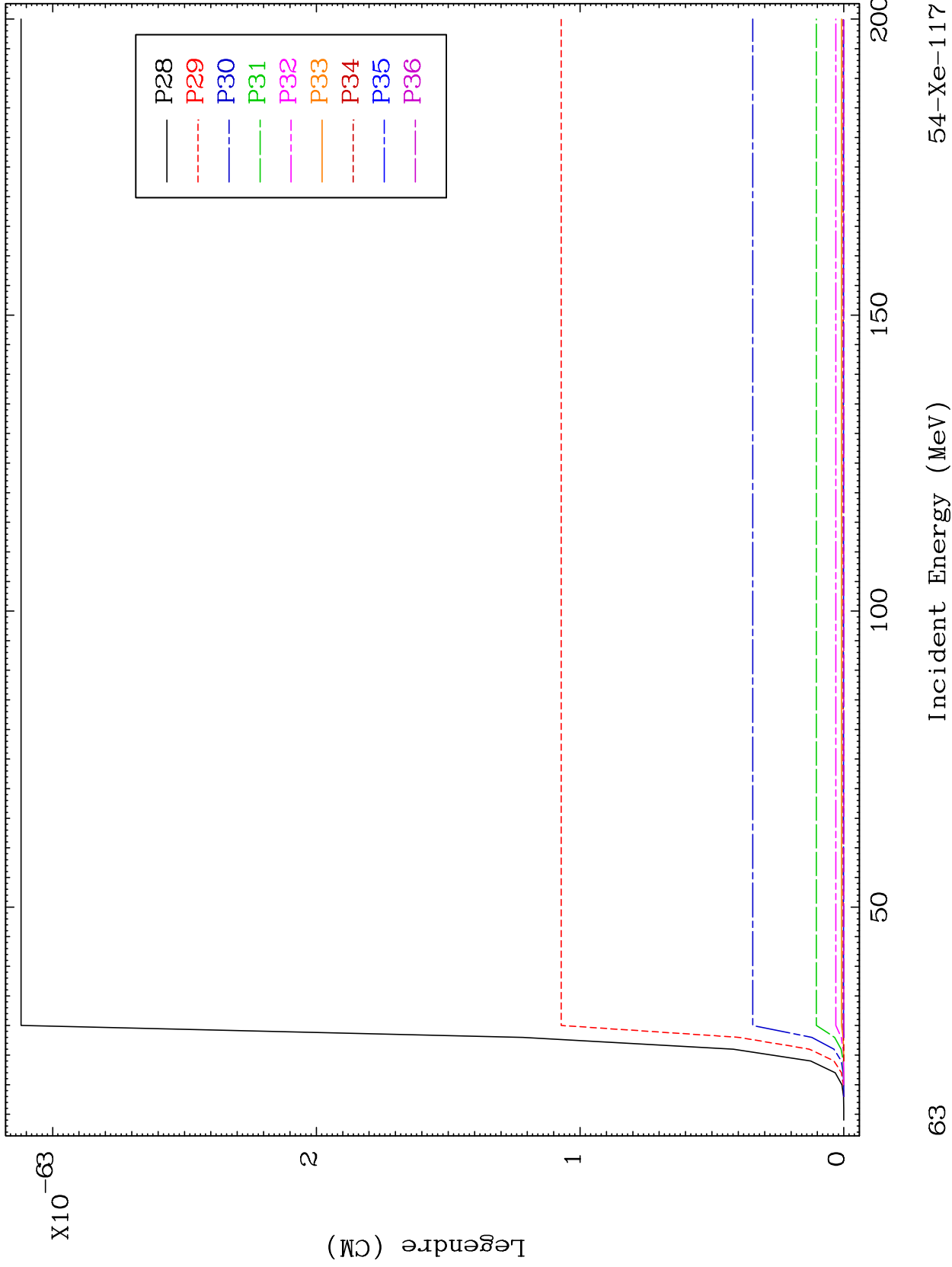
Incident Energy (MeV)

54-Xe-117

MAT 5404

438.7 keV (n,n') Level  
Legendre Coefficients

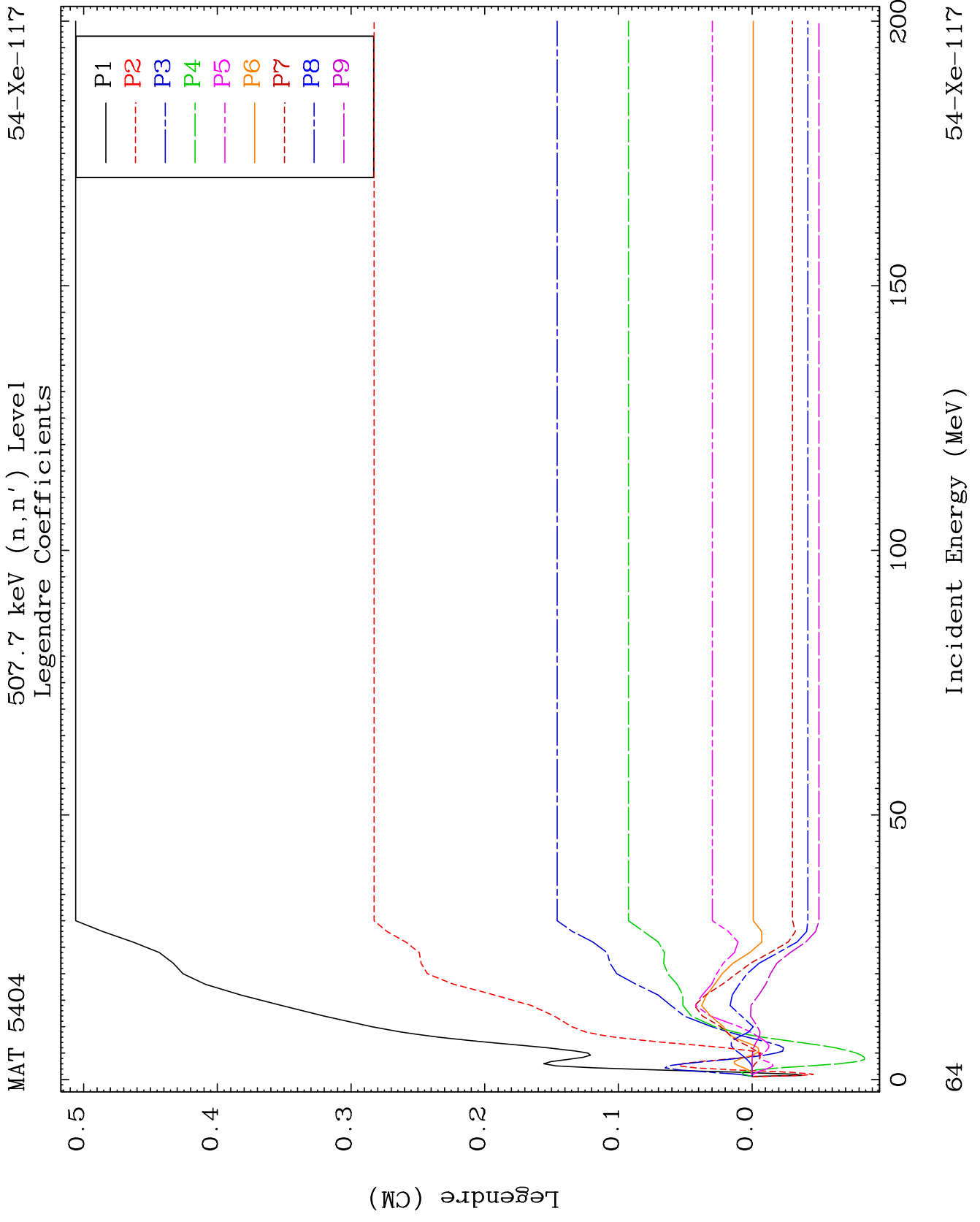
54-Xe-117

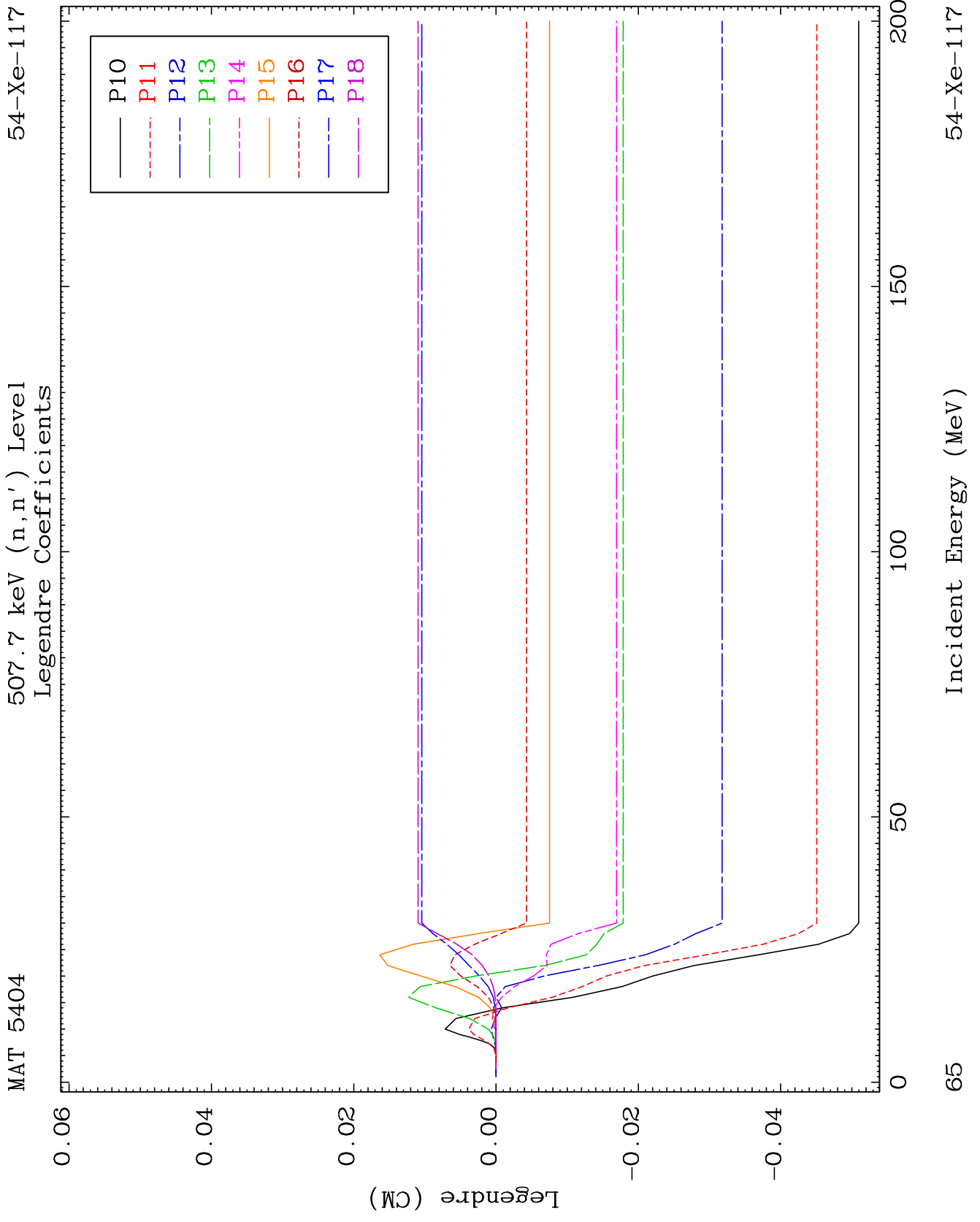


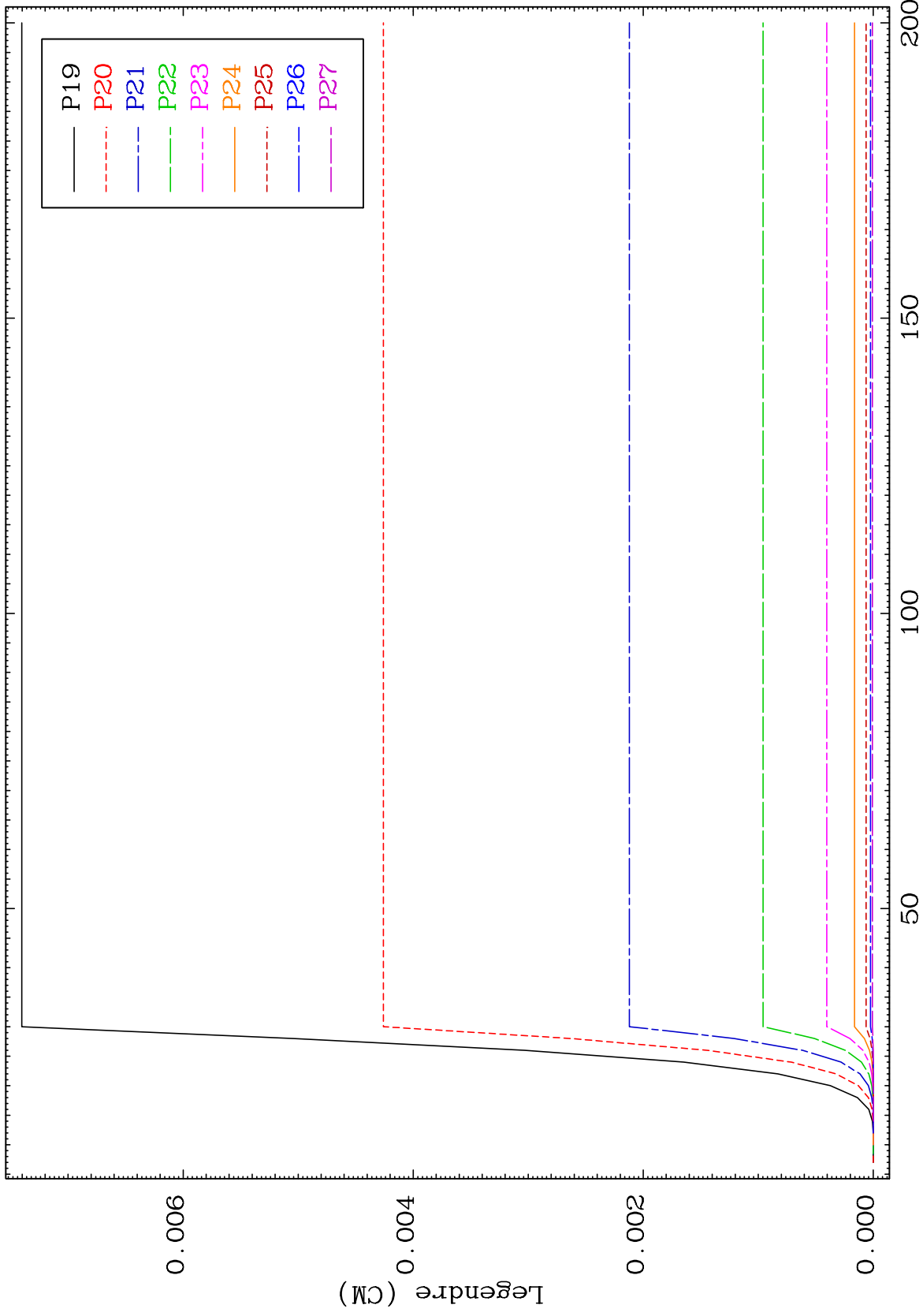
63

54-Xe-117





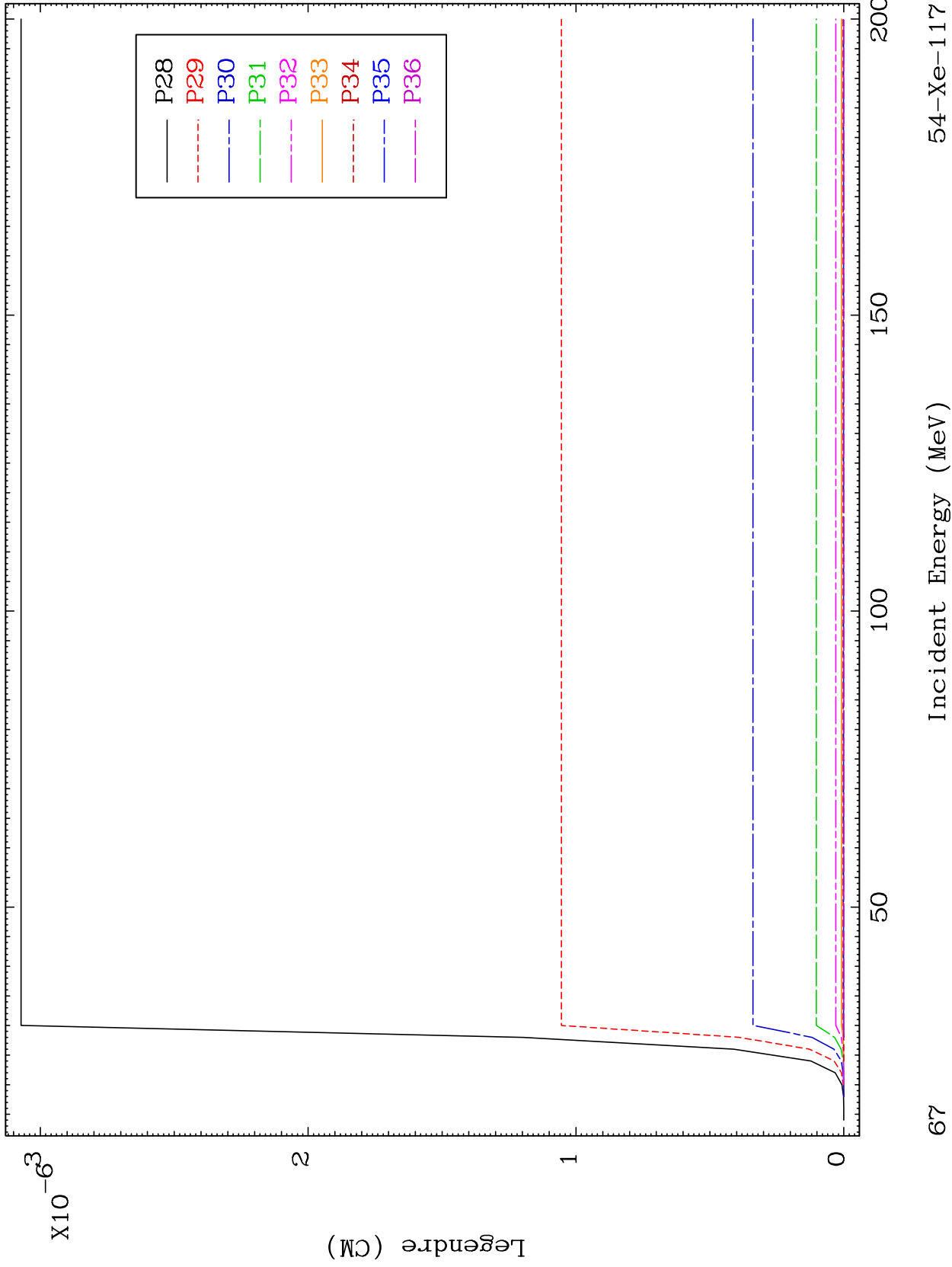




MAT 5404

507.7 keV (n,n') Level  
Legendre Coefficients

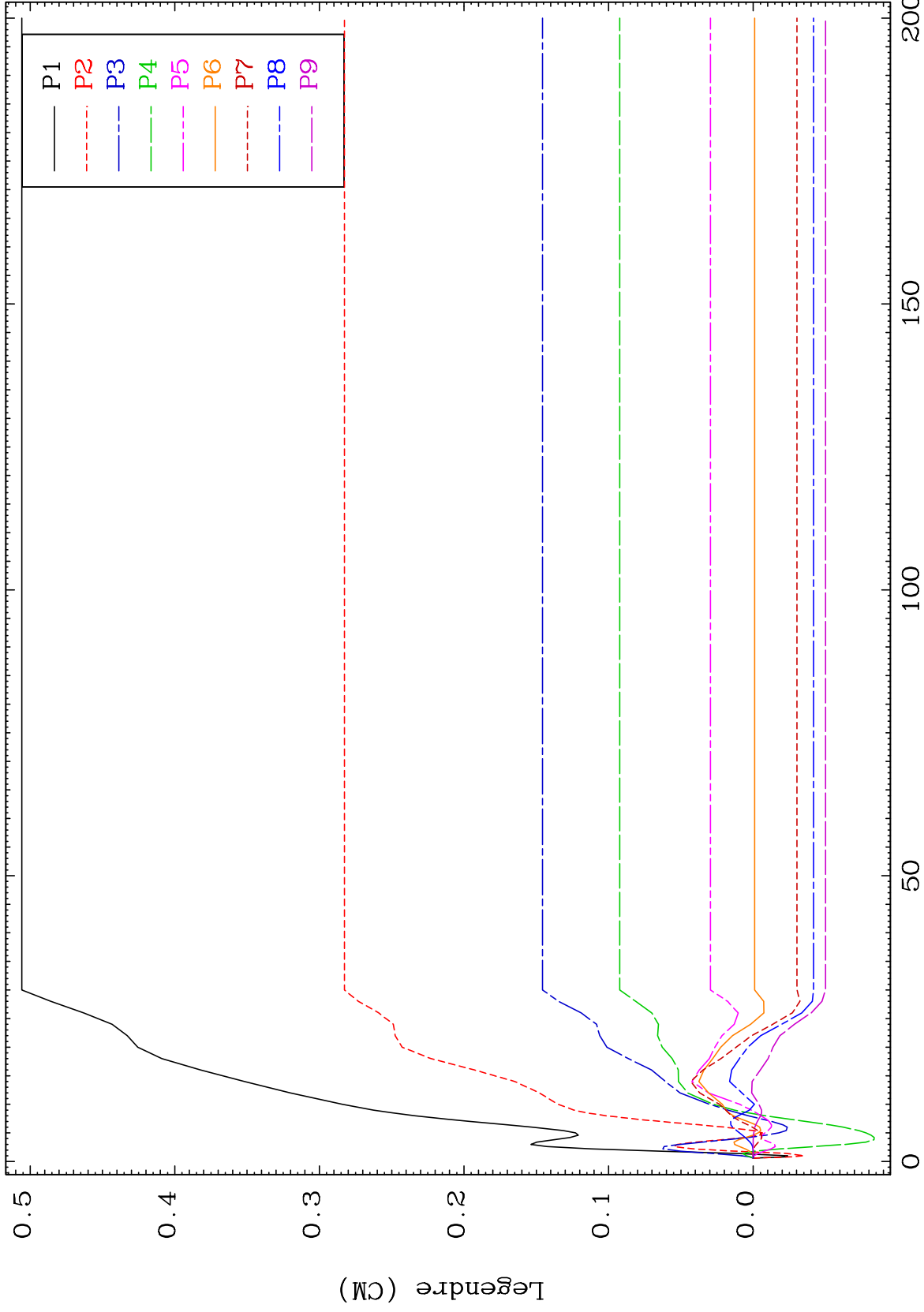
54-Xe-117



MAT 5404

536.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

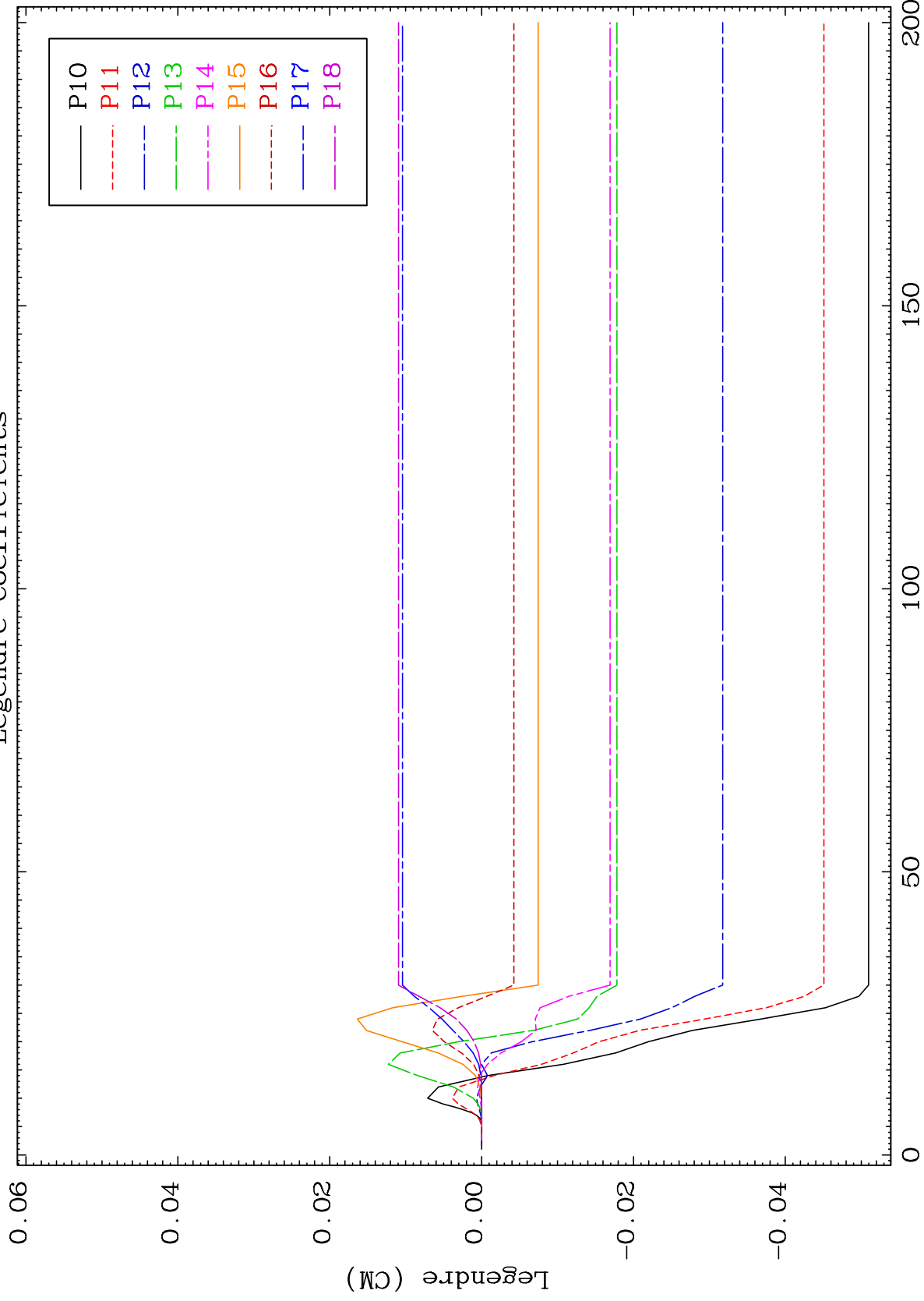
Incident Energy (MeV)

68

MAT 5404

536.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



69

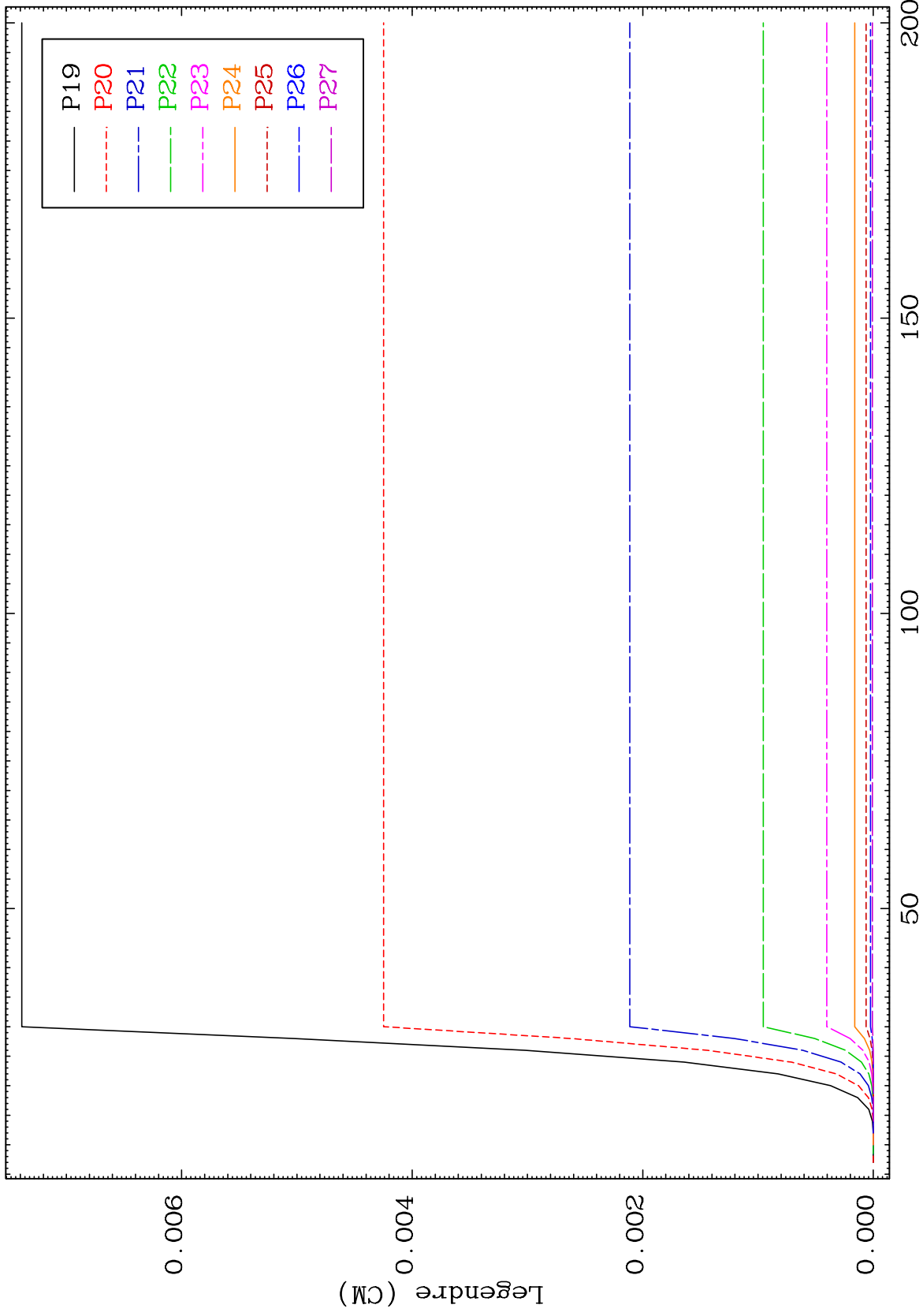
Incident Energy (MeV)

54-Xe-117

MAT 5404

536.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



70

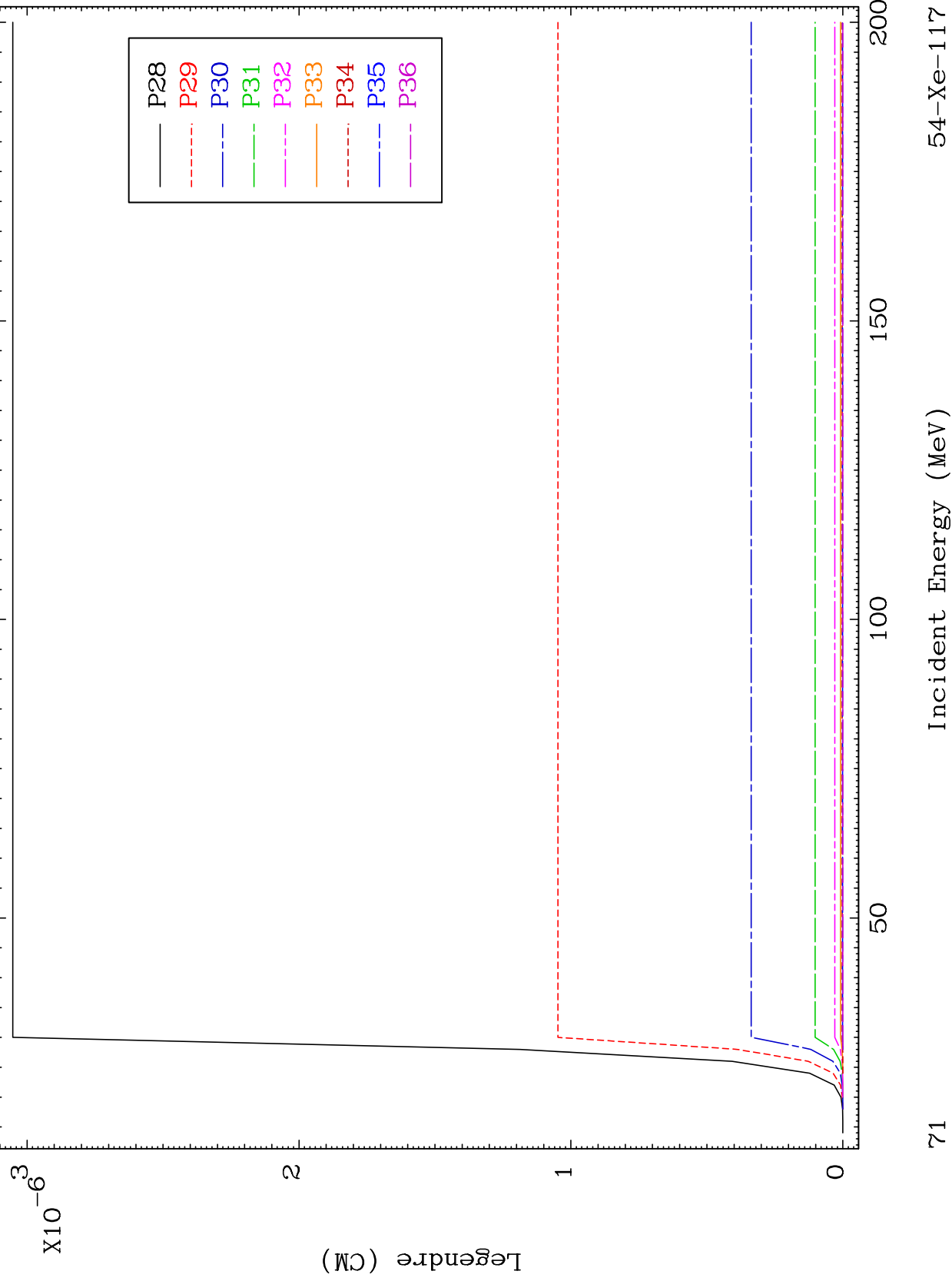
Incident Energy (MeV)

54-Xe-117

MAT 5404

536.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-117

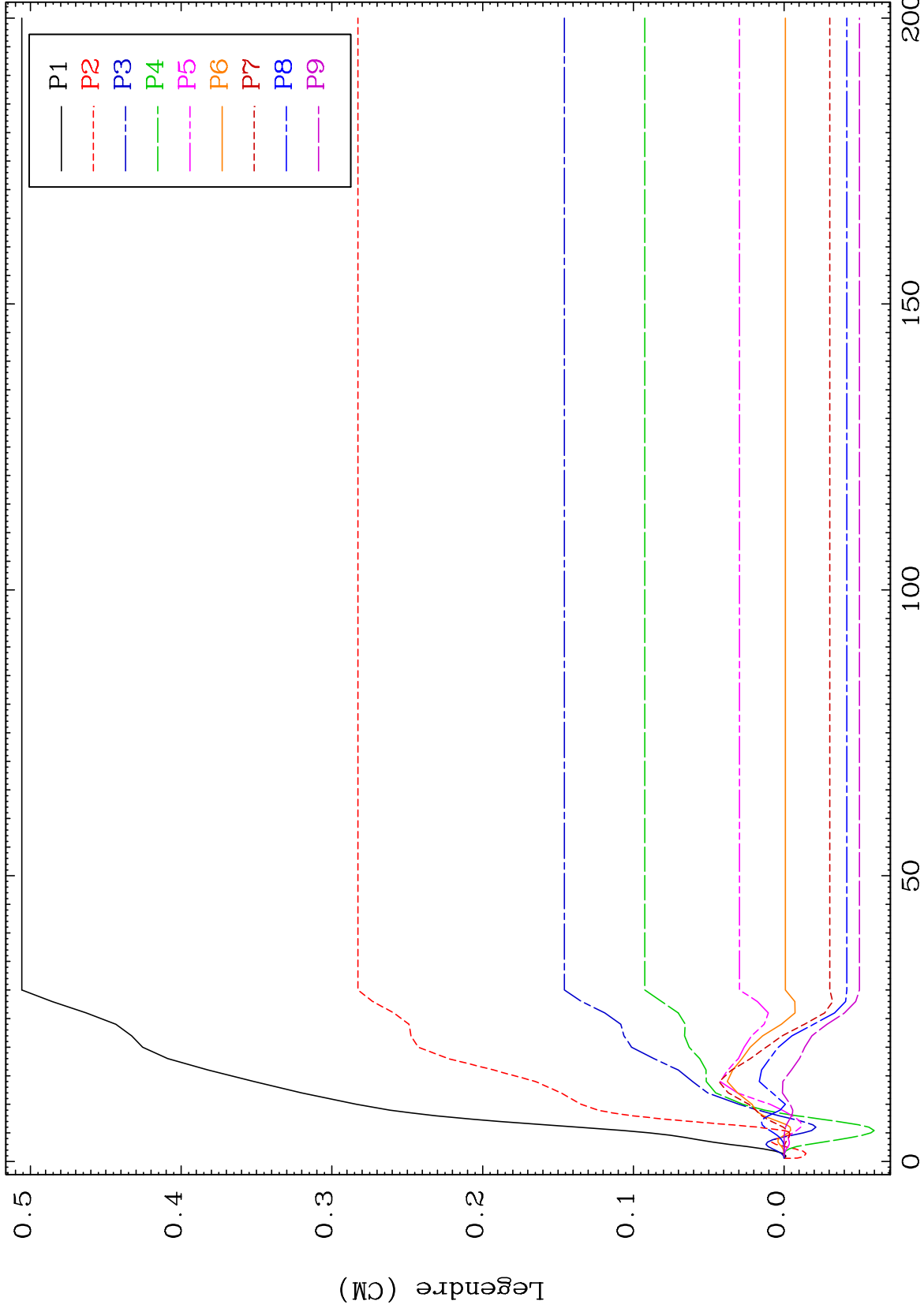




MAT 5404

540.1 keV (n,n') Level  
Legendre Coefficients

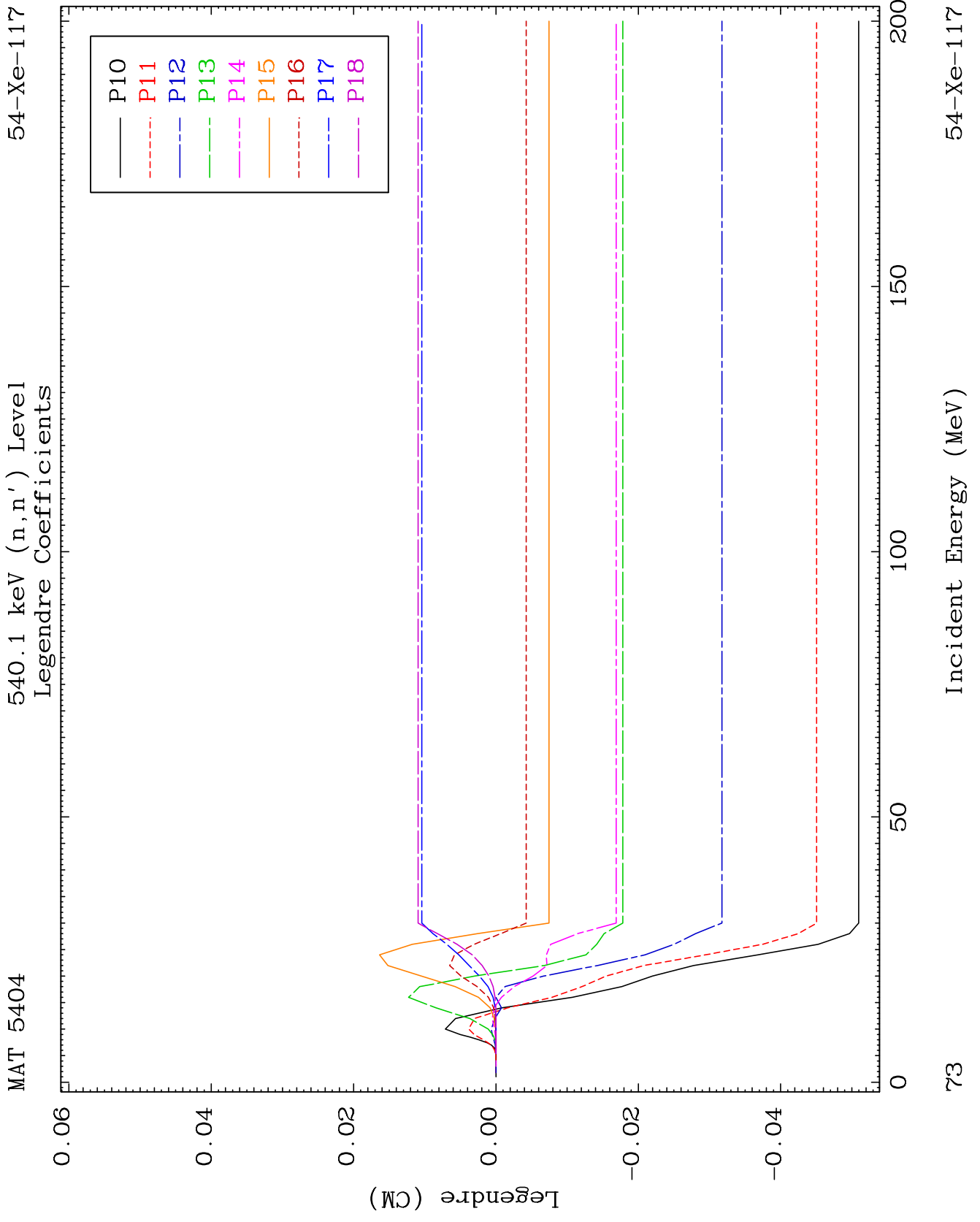
54-Xe-117



72

Incident Energy (MeV)

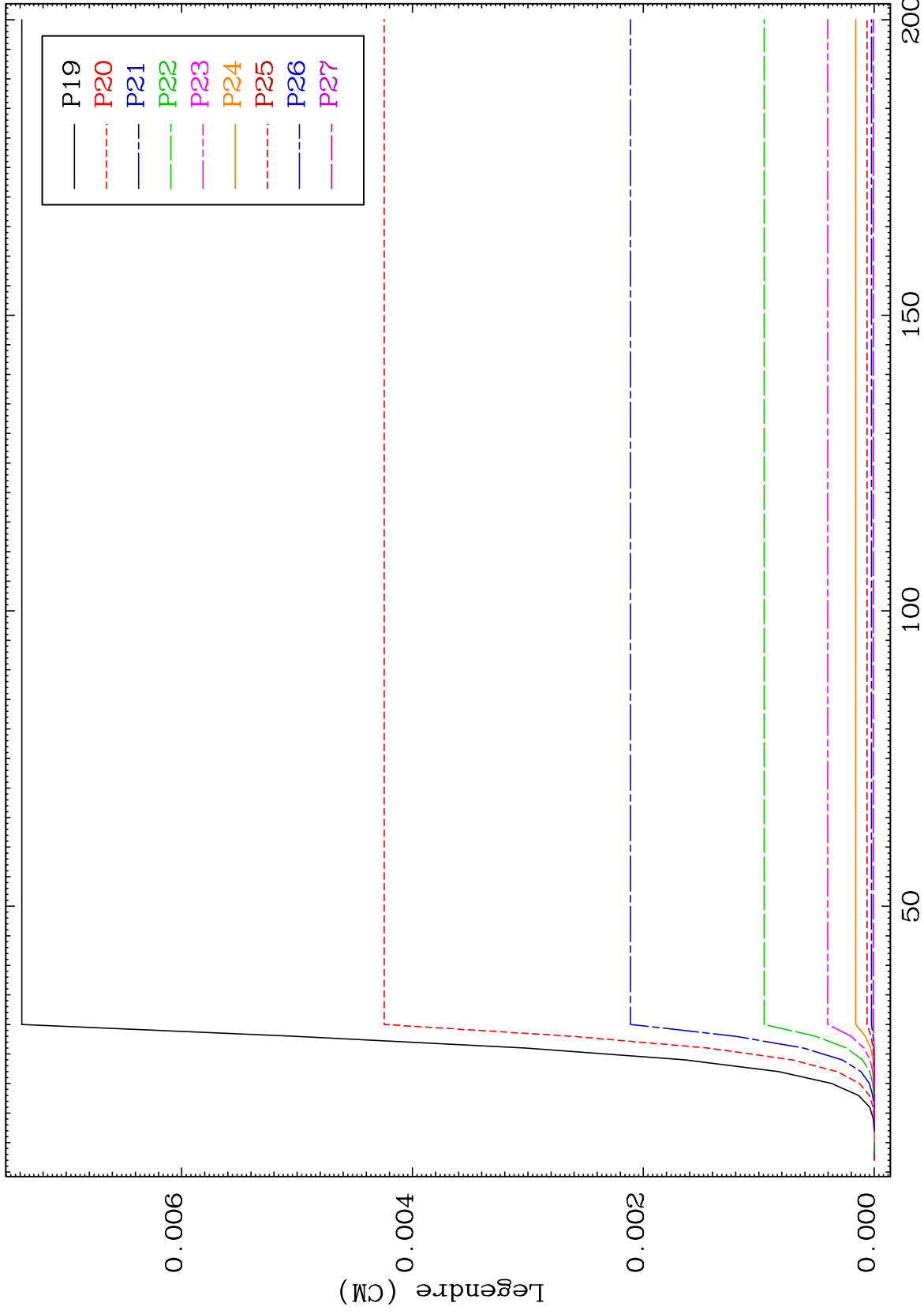
54-Xe-117



MAT 5404

540.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



74

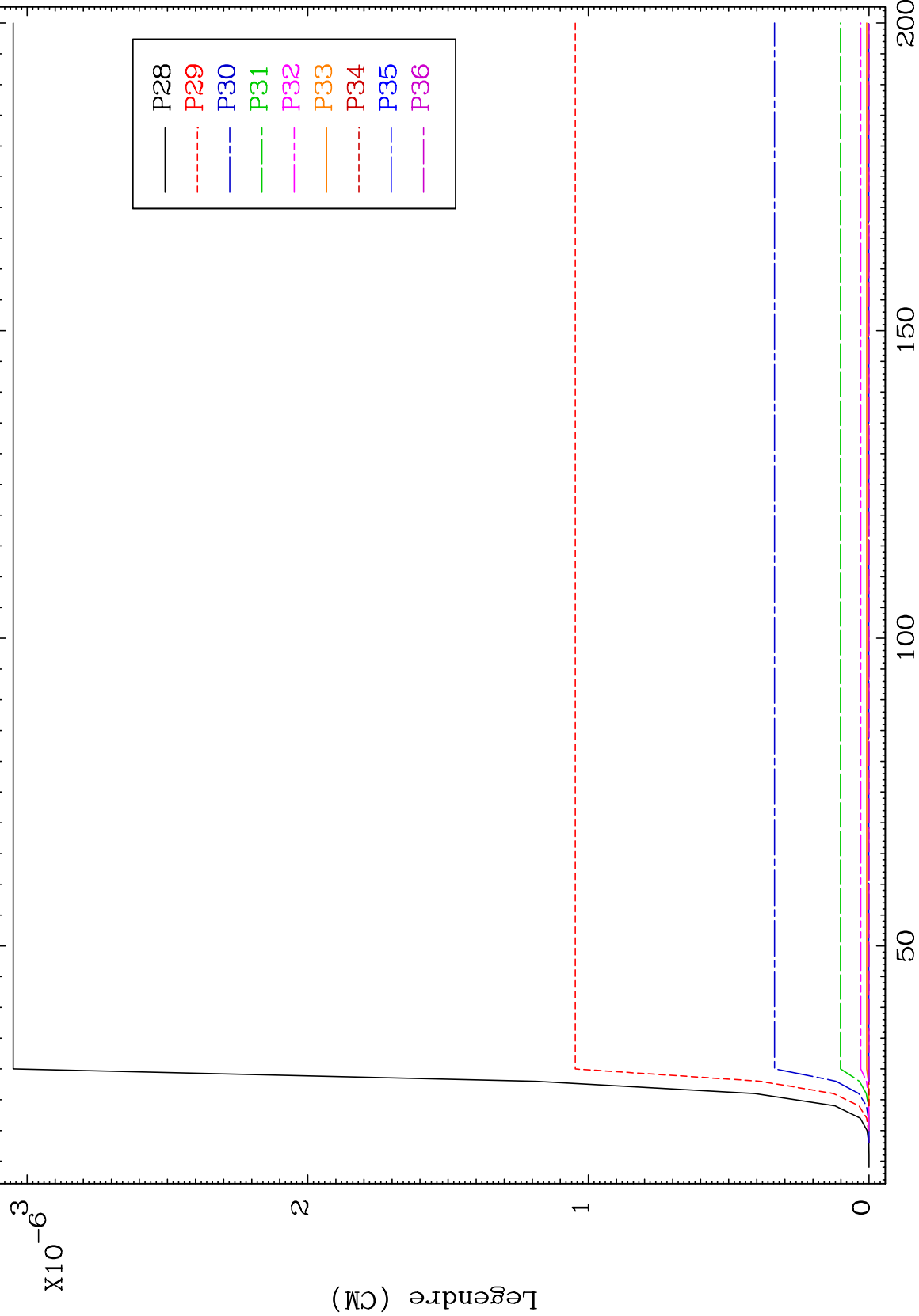
Incident Energy (MeV)

54-Xe-117

MAT 5404

540.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



75

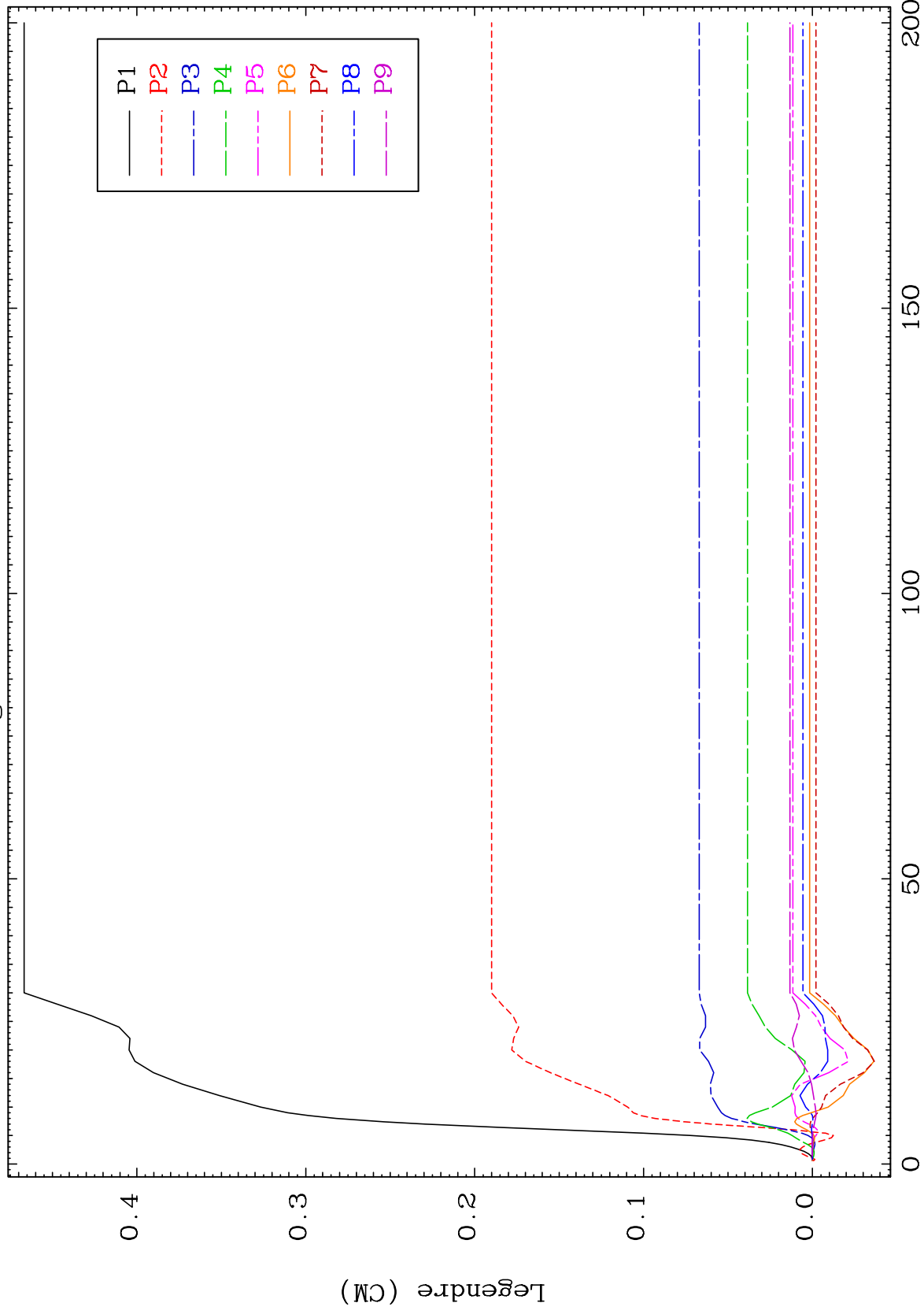
Incident Energy (MeV)

54-Xe-117

MAT 5404

579.6 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



76

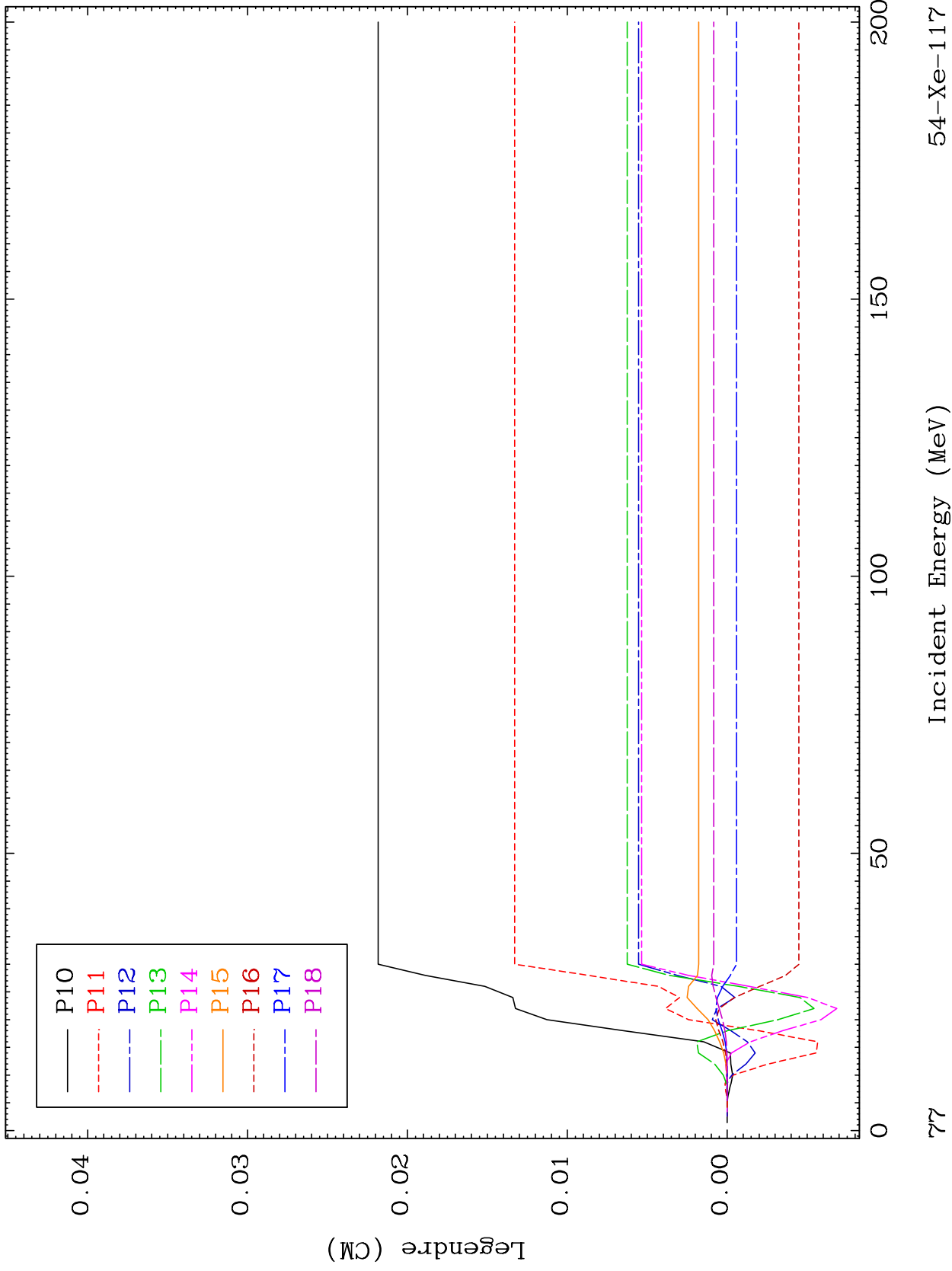
Incident Energy (MeV)

54-Xe-117

MAT 5404

579.6 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



77

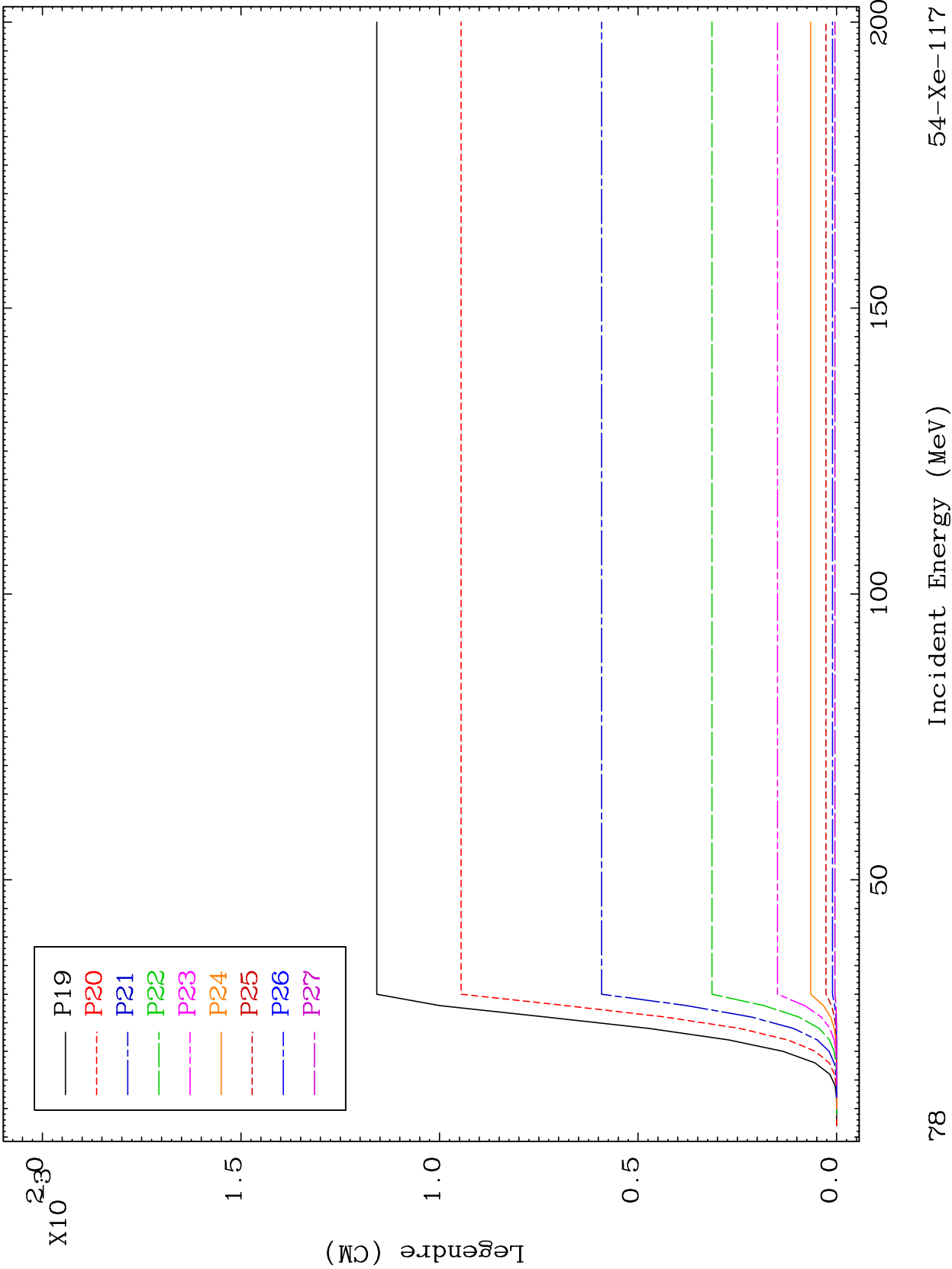
Incident Energy (MeV)

54-Xe-117

MAT 5404

579.6 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



78

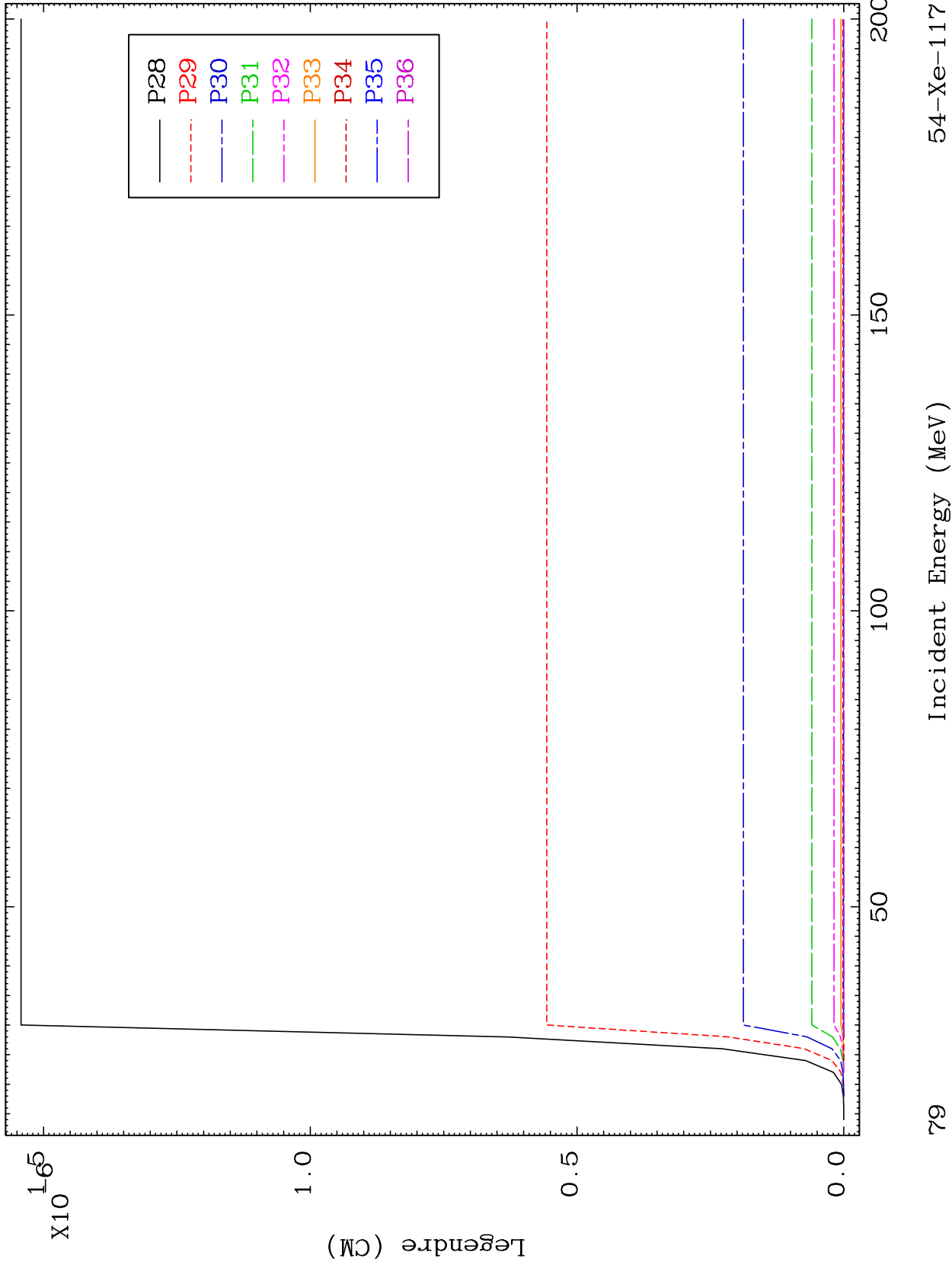
Incident Energy (MeV)

54-Xe-117

MAT 5404

579.6 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



79

Incident Energy (MeV)

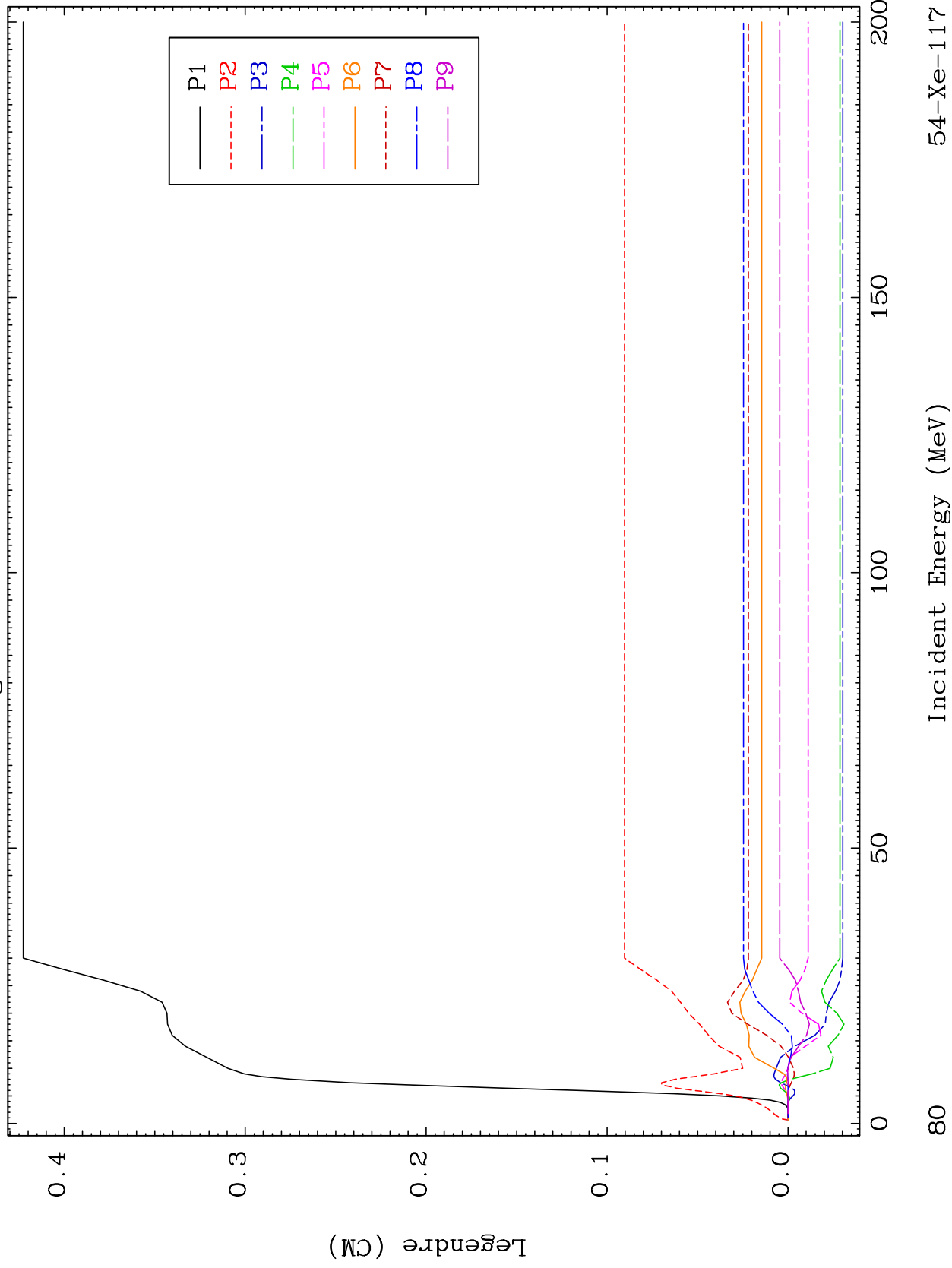
54-Xe-117



MAT 5404

593.5 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

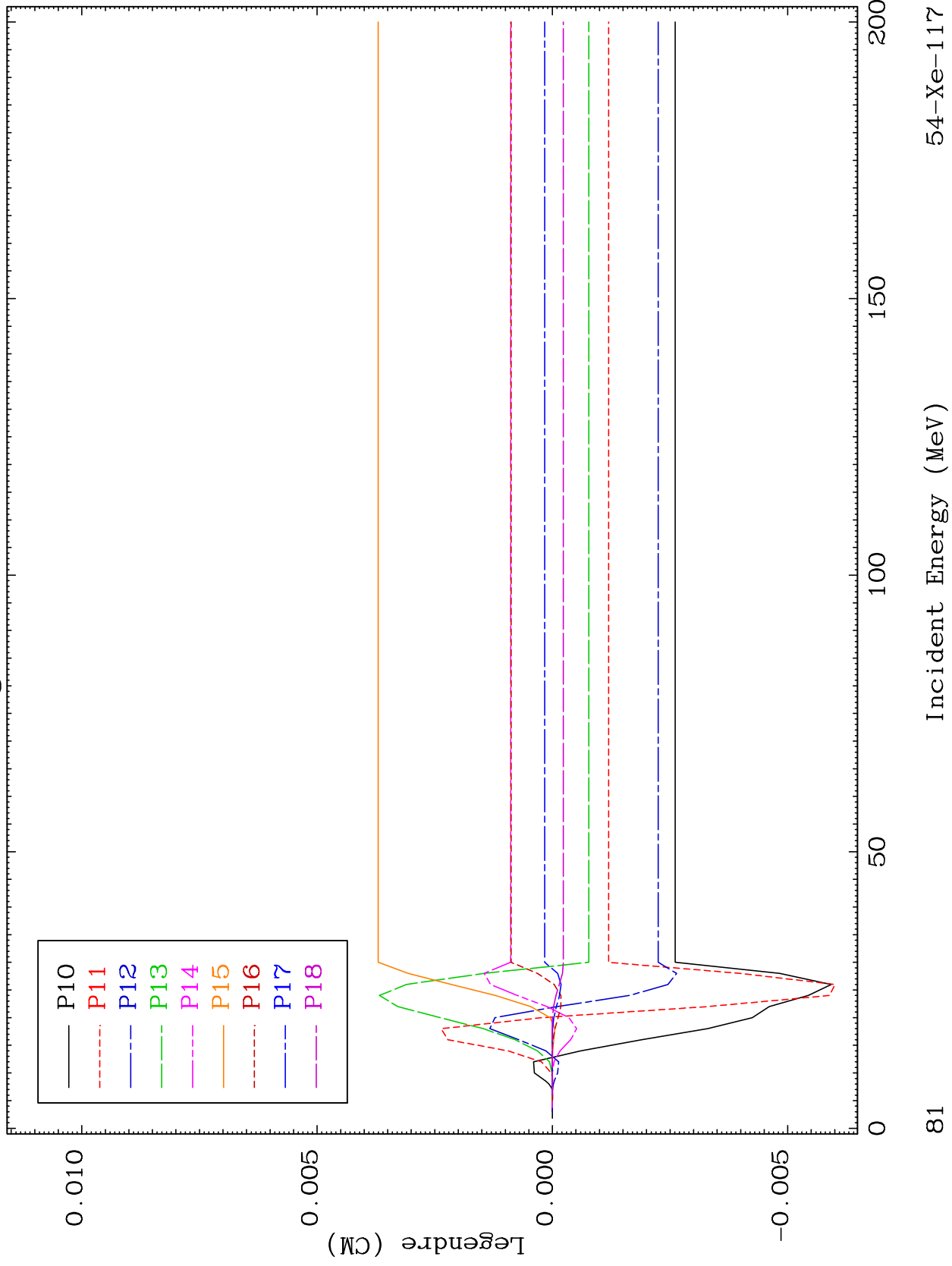
Incident Energy (MeV)

80

MAT 5404

593.5 keV (n,n') Level  
Legendre Coefficients

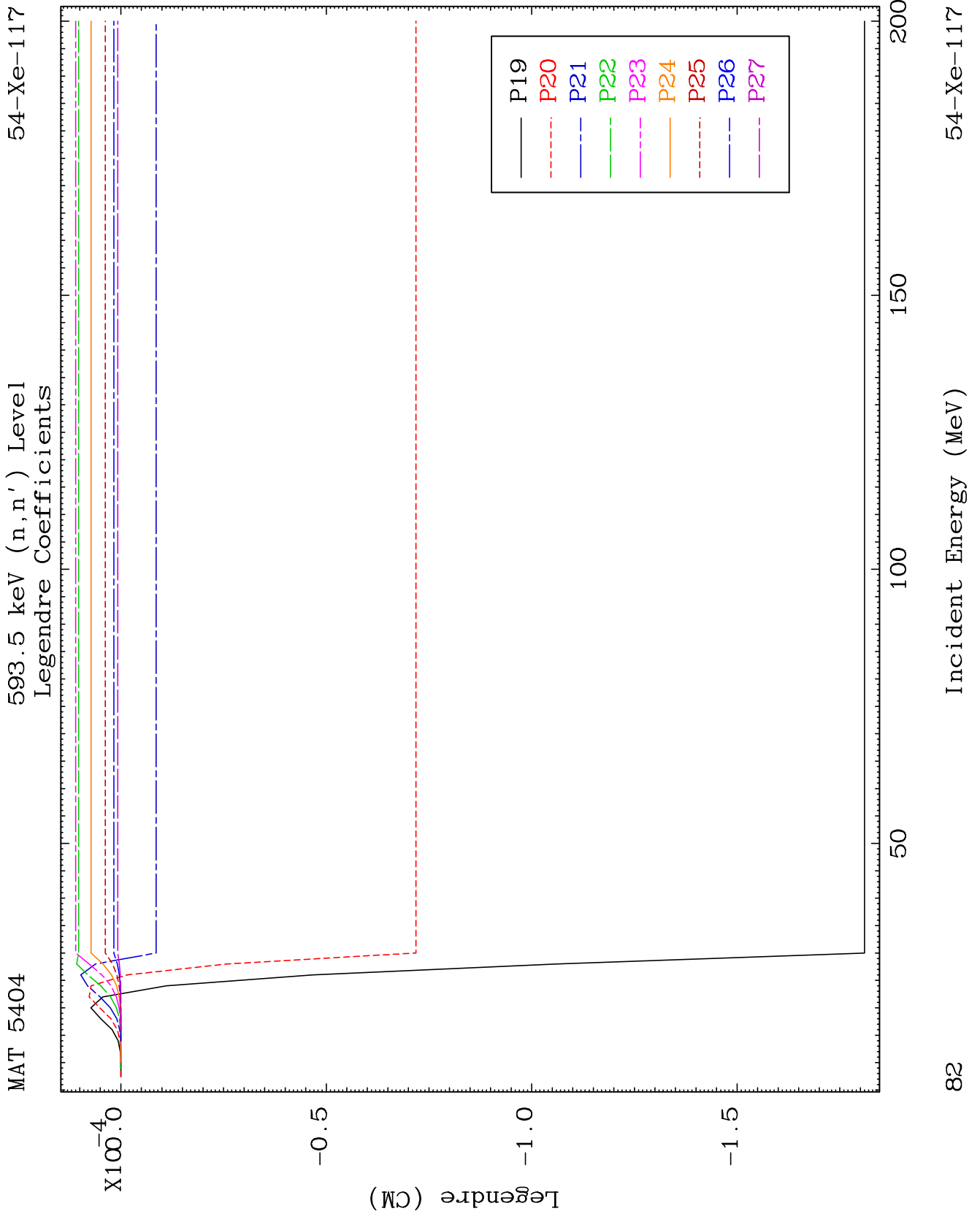
54-Xe-117



81

Incident Energy (MeV)

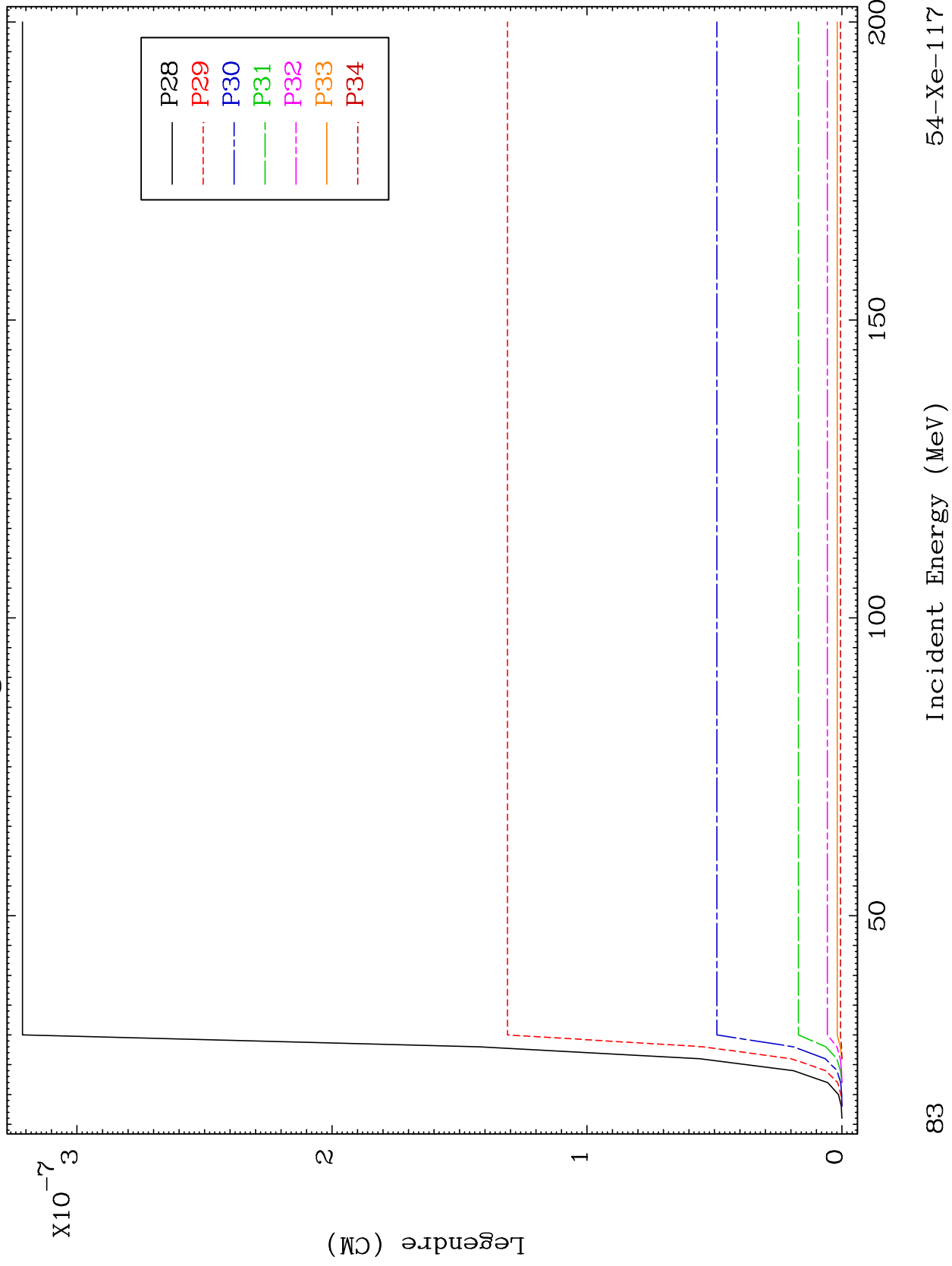
54-Xe-117

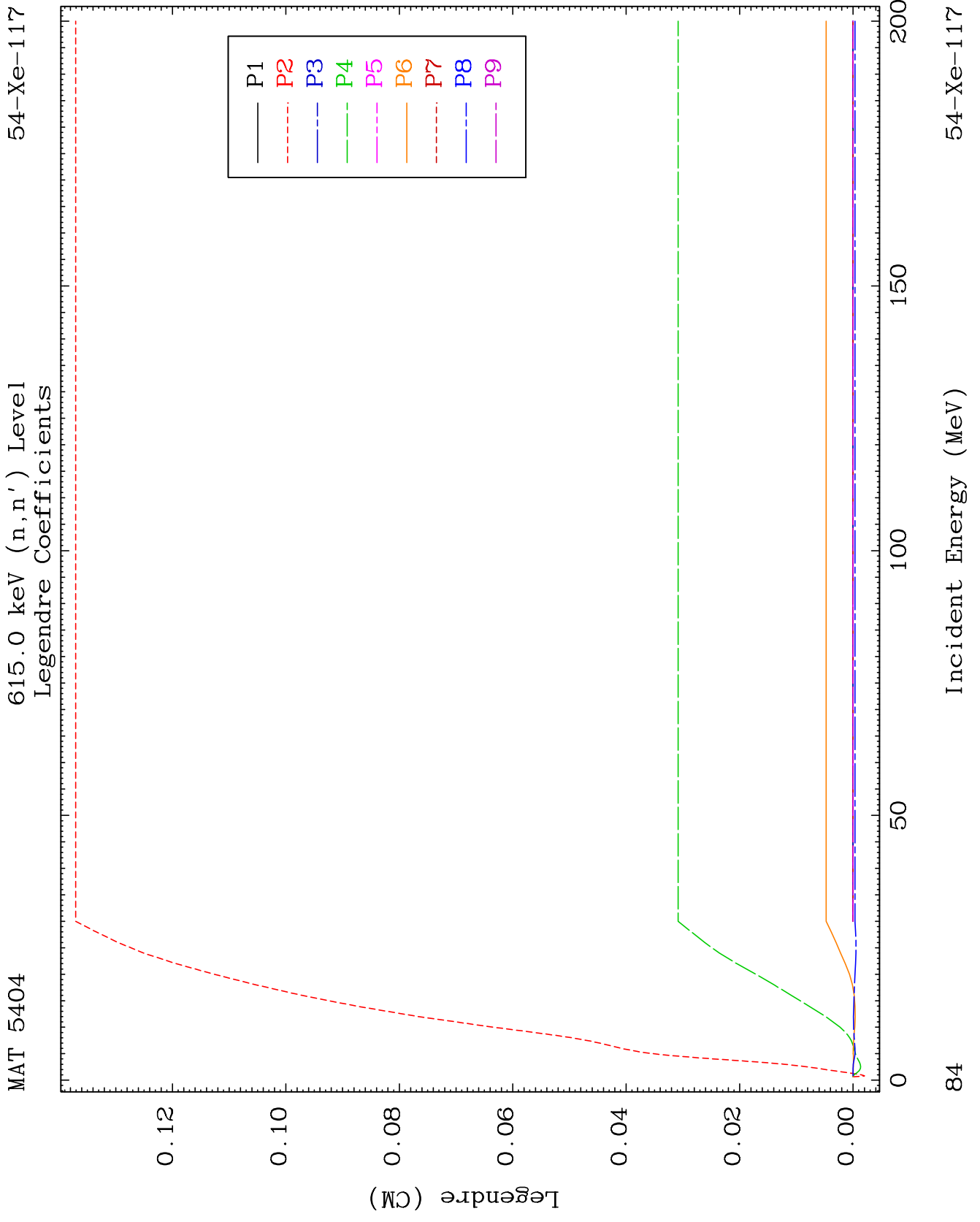


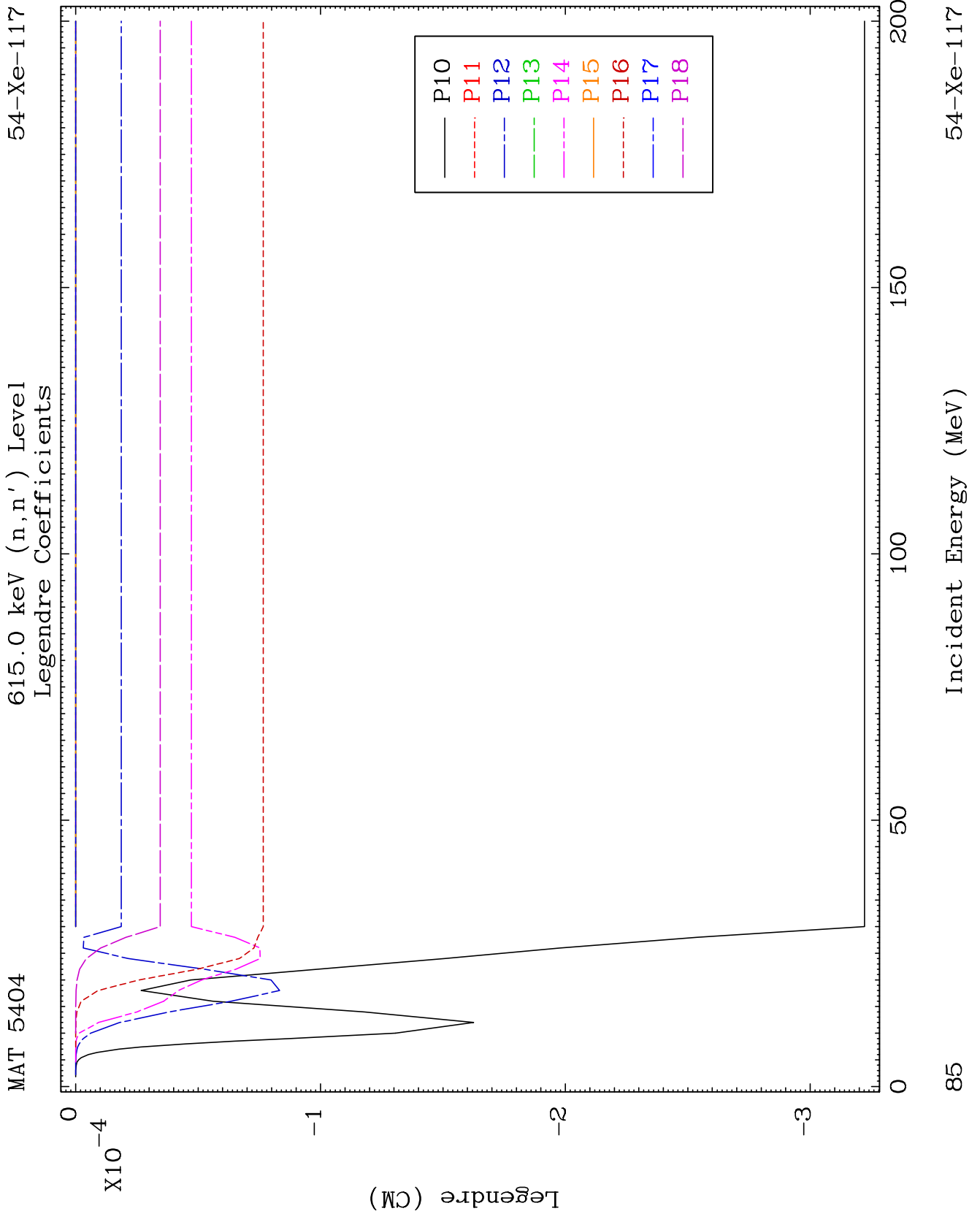
MAT 5404

593.5 keV (n,n') Level  
Legendre Coefficients

54-Xe-117





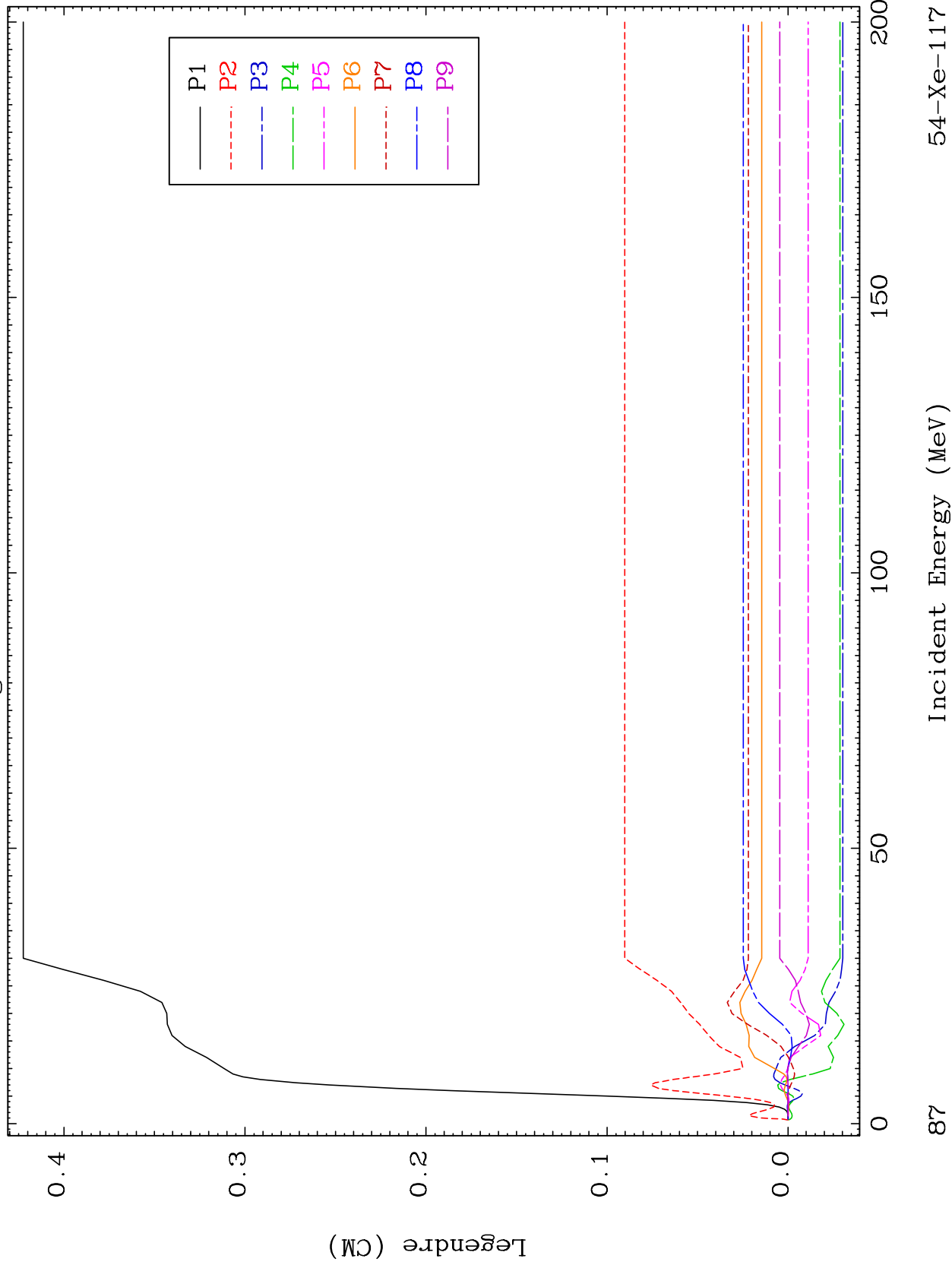




MAT 5404

630.6 keV (n,n') Level  
Legendre Coefficients

54-Xe-117

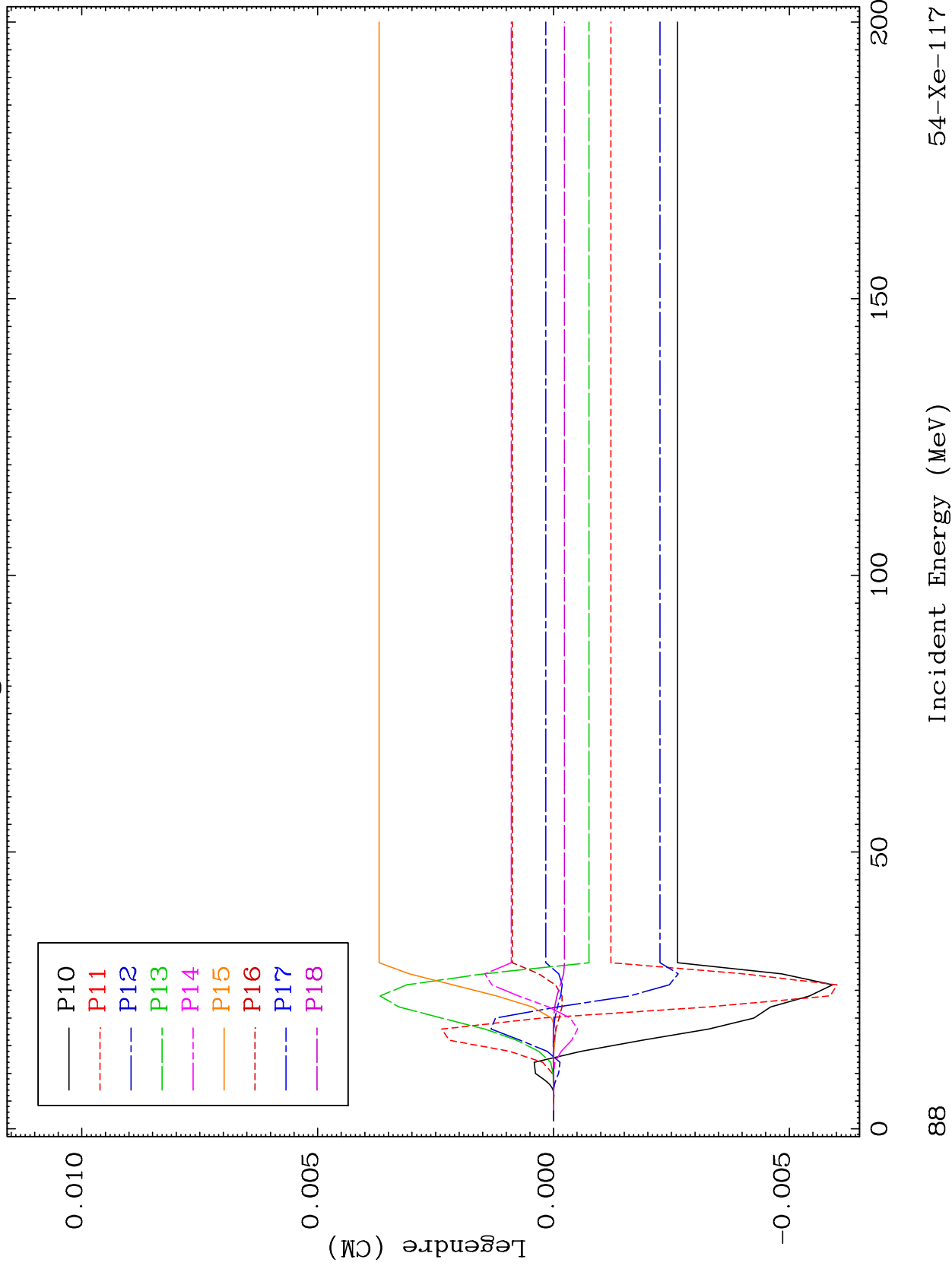




MAT 5404

630.6 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



88

Incident Energy (MeV)

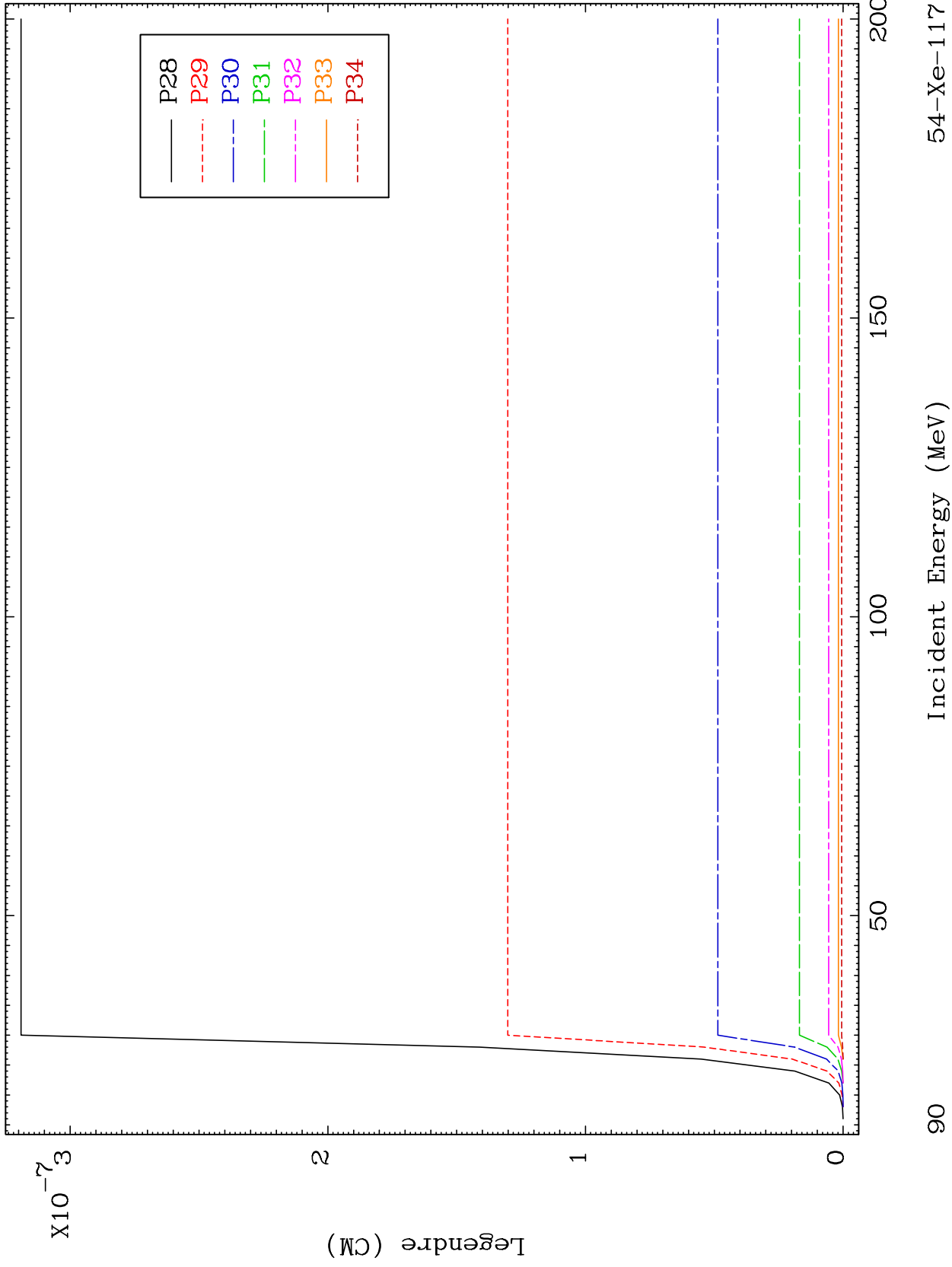
54-Xe-117



MAT 5404

630.6 keV (n,n') Level  
Legendre Coefficients

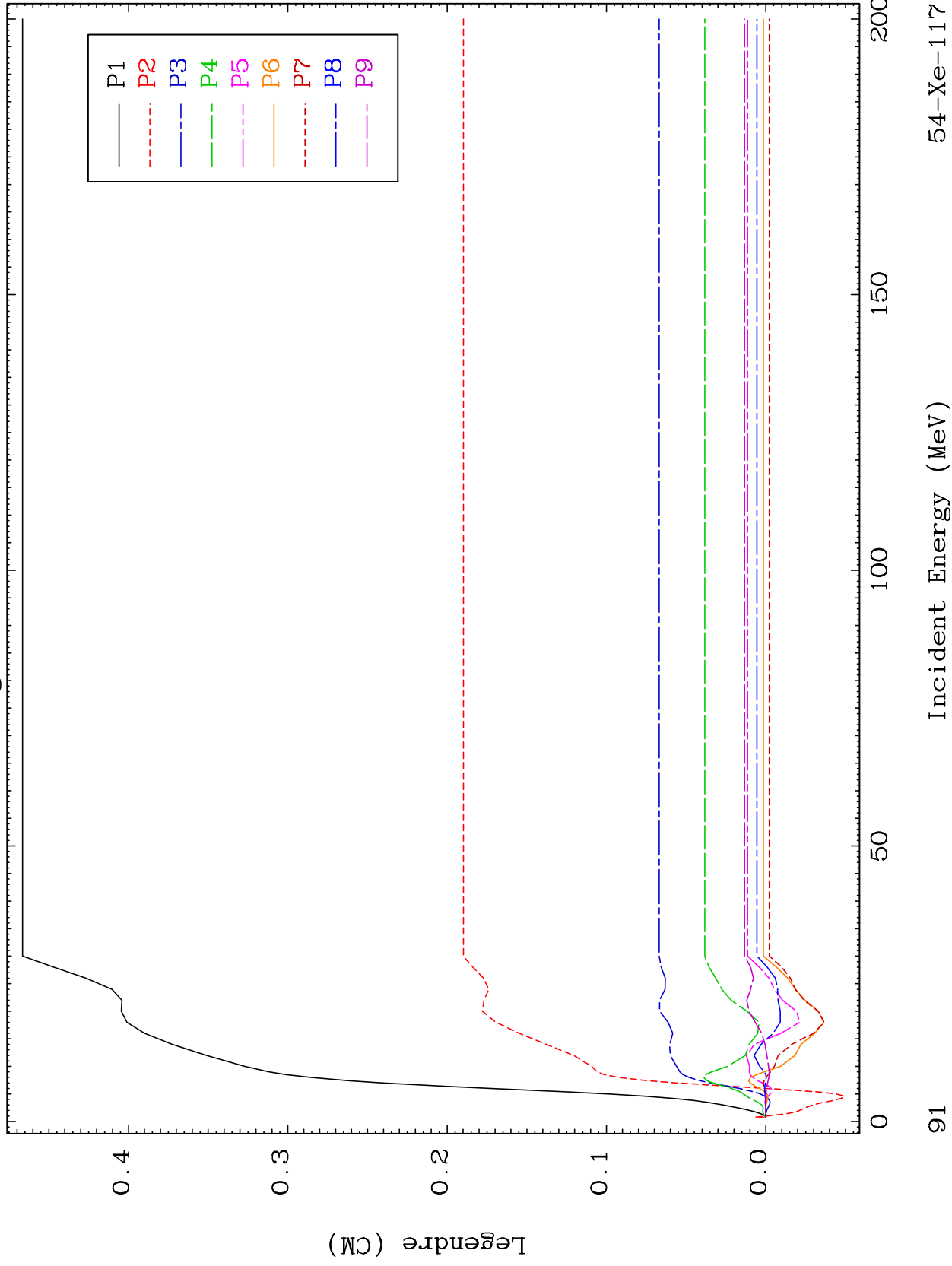
54-Xe-117



MAT 5404

636.6 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

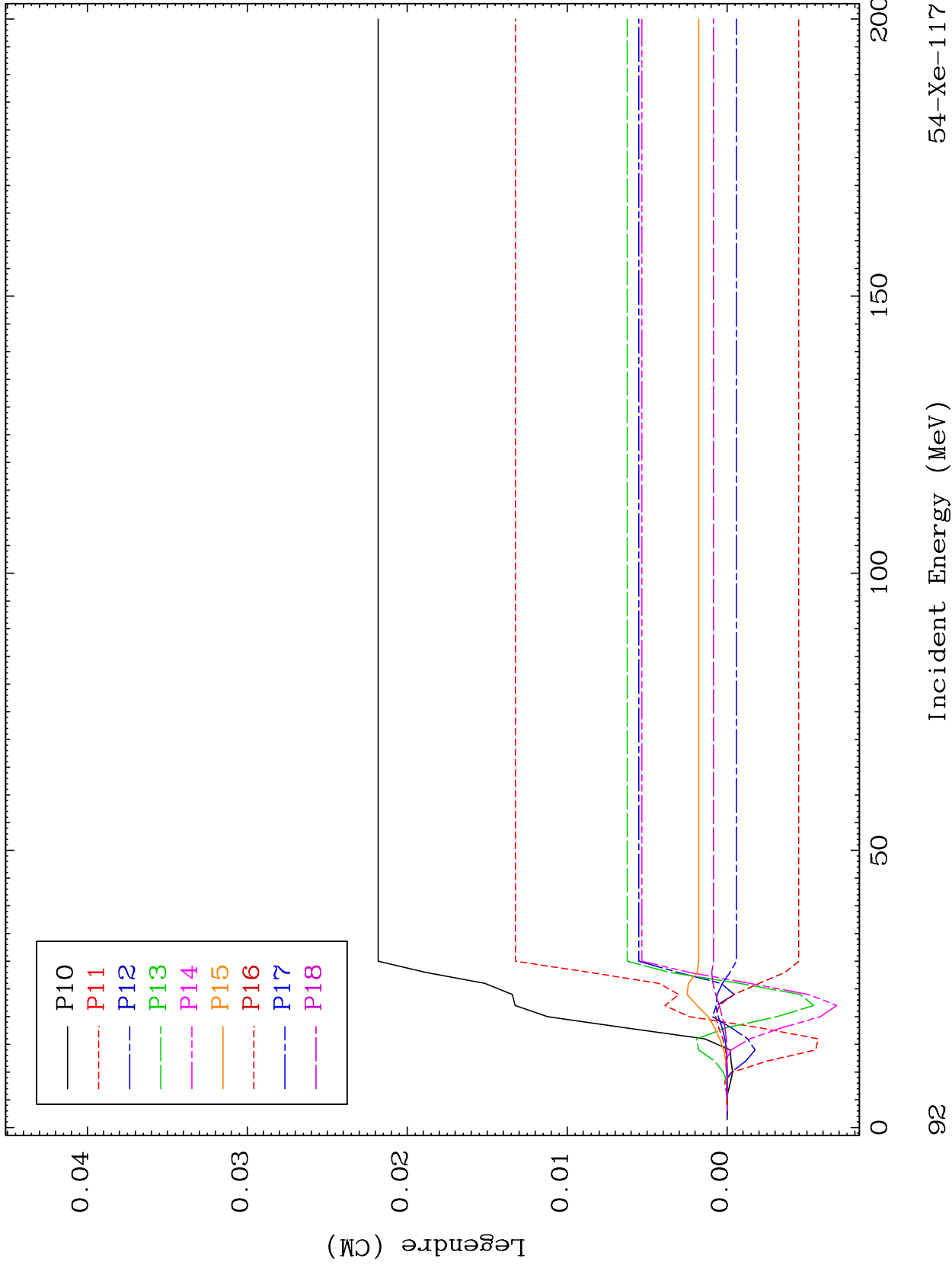
Incident Energy (MeV)

91

MAT 5404

636.6 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

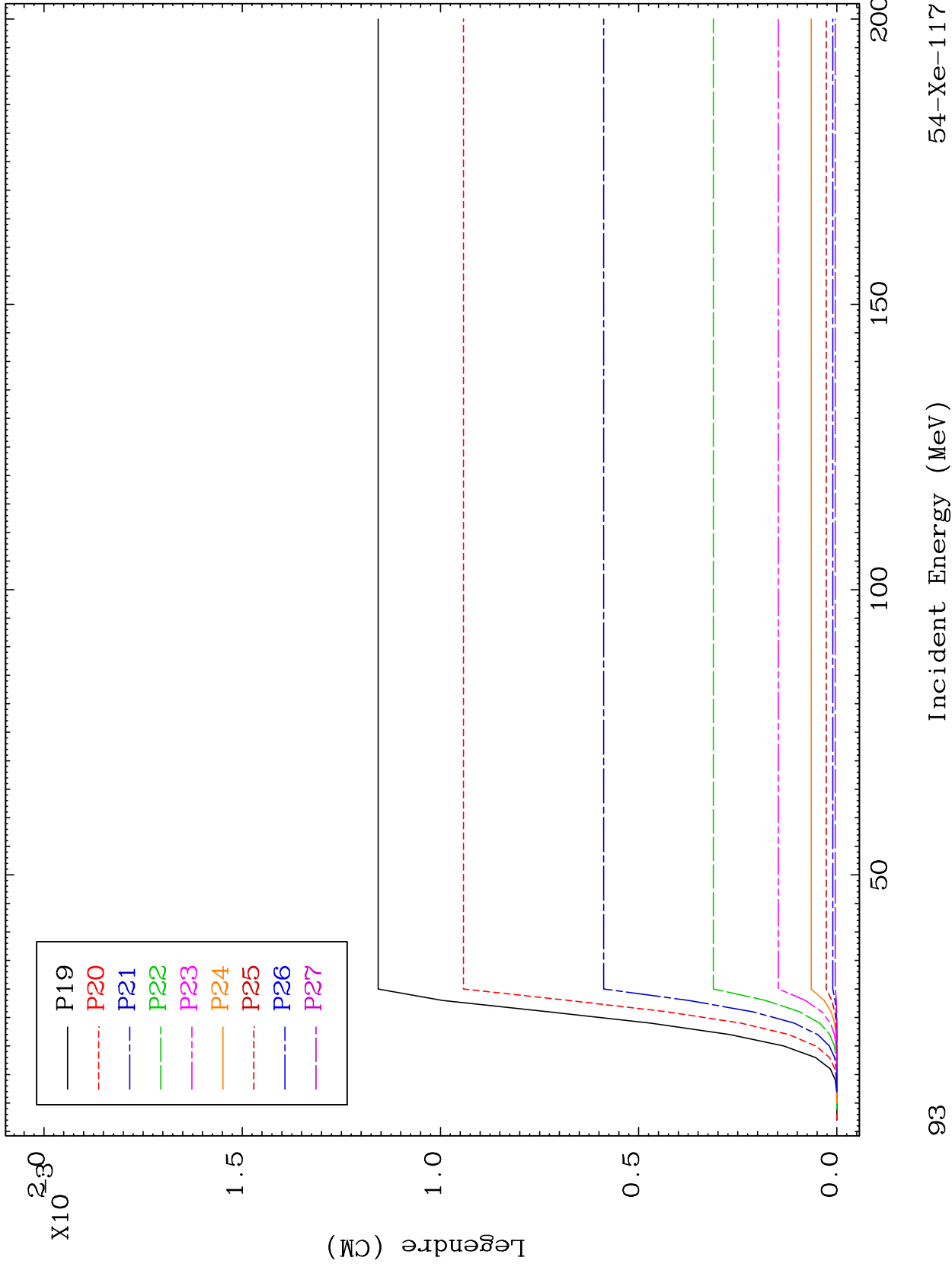
Incident Energy (MeV)

92

MAT 5404

636.6 keV (n,n') Level  
Legendre Coefficients

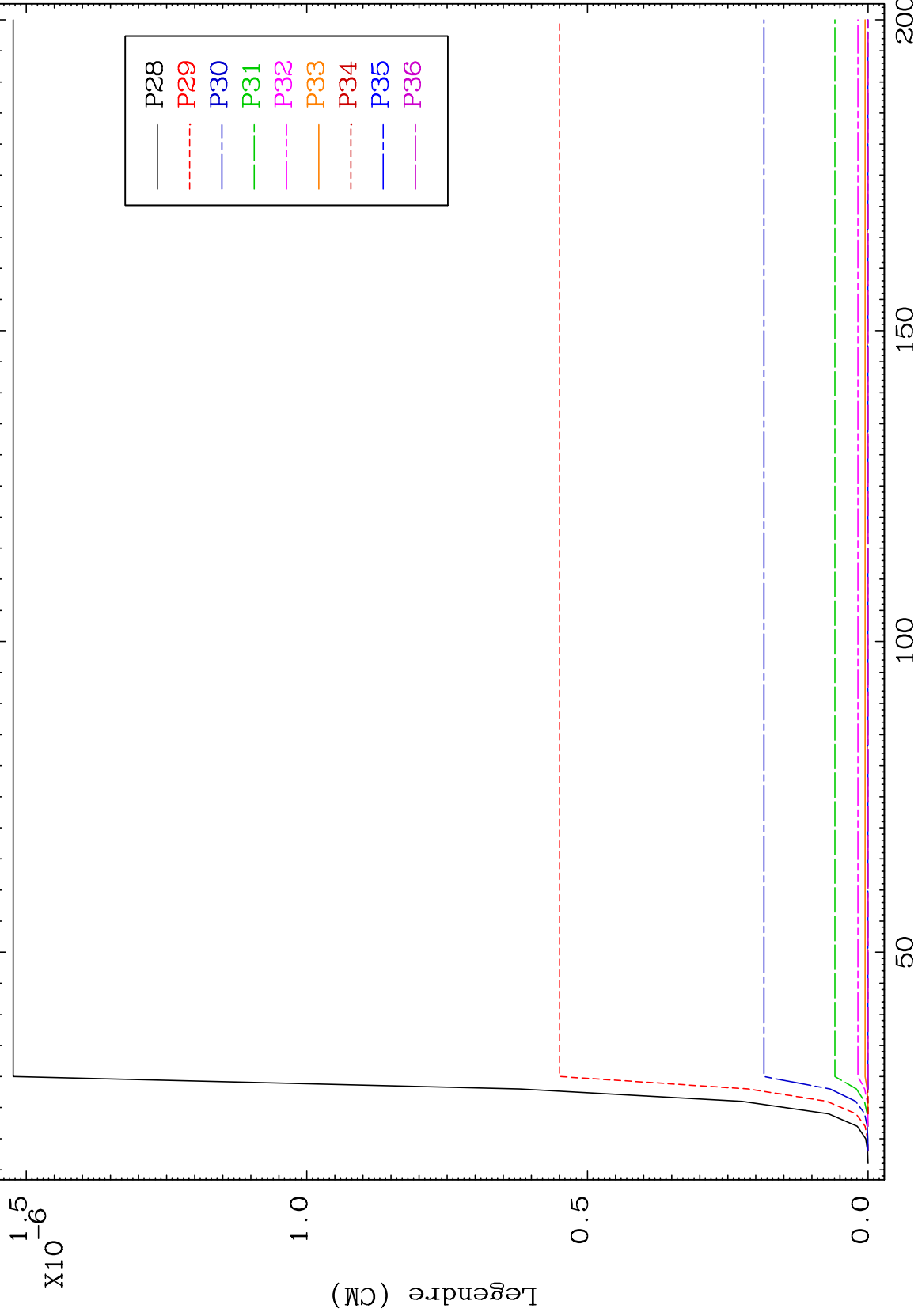
54-Xe-117



MAT 5404

636.6 keV (n, n') Level  
Legendre Coefficients

54-Xe-117



94

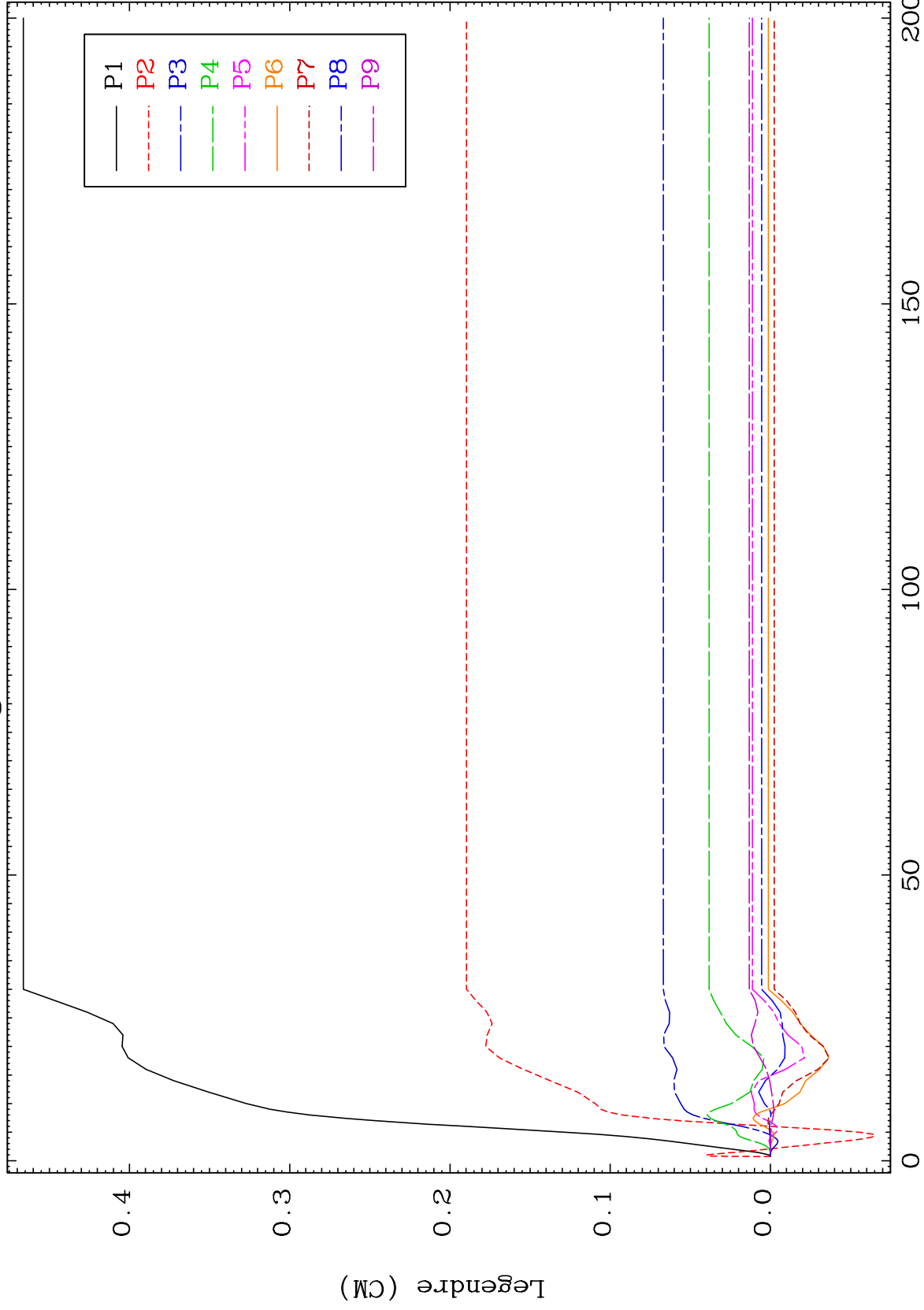
Incident Energy (MeV)

54-Xe-117

MAT 5404

699.8 keV (n, n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

Incident Energy (MeV)

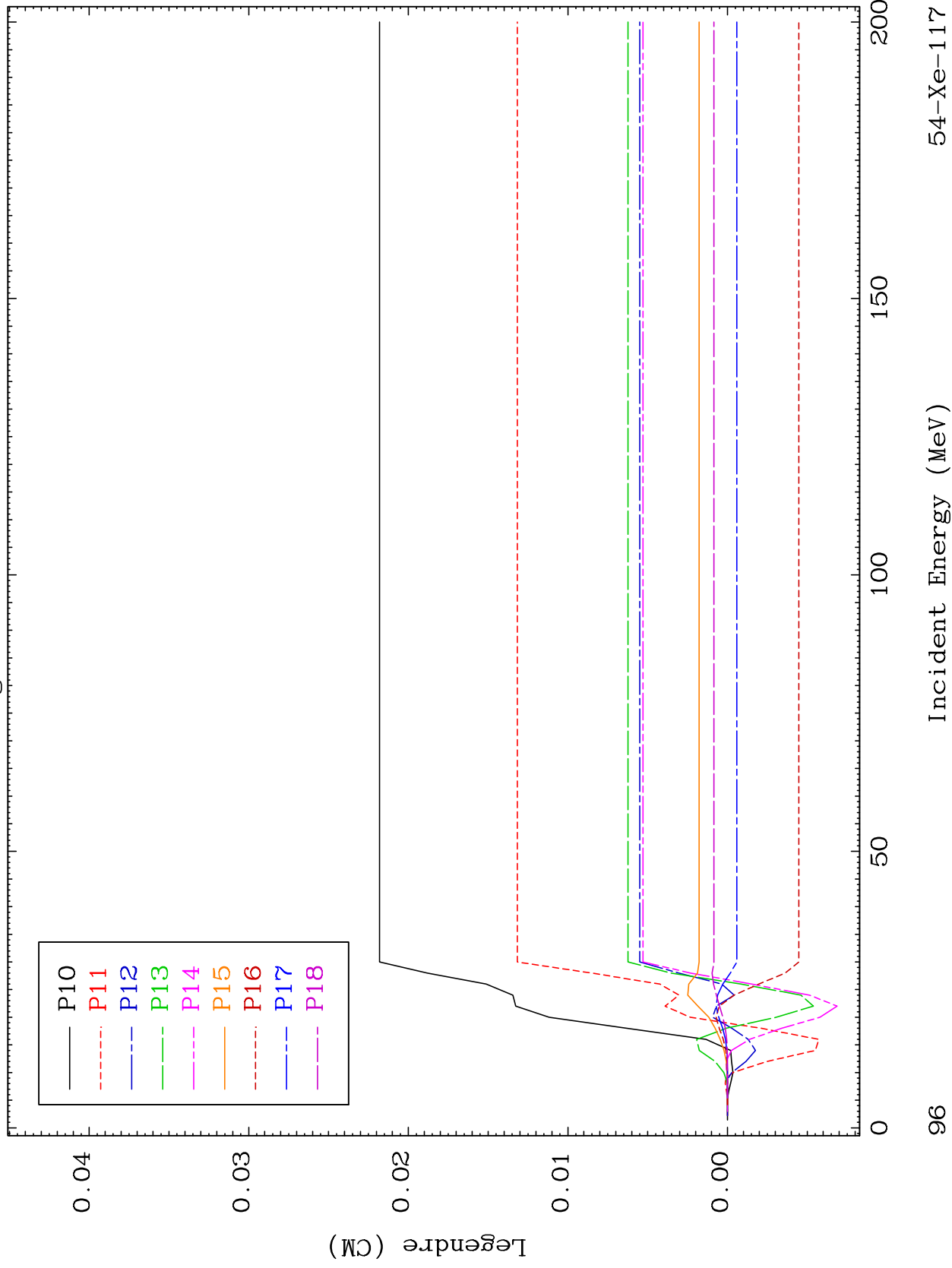
95



MAT 5404

699.8 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

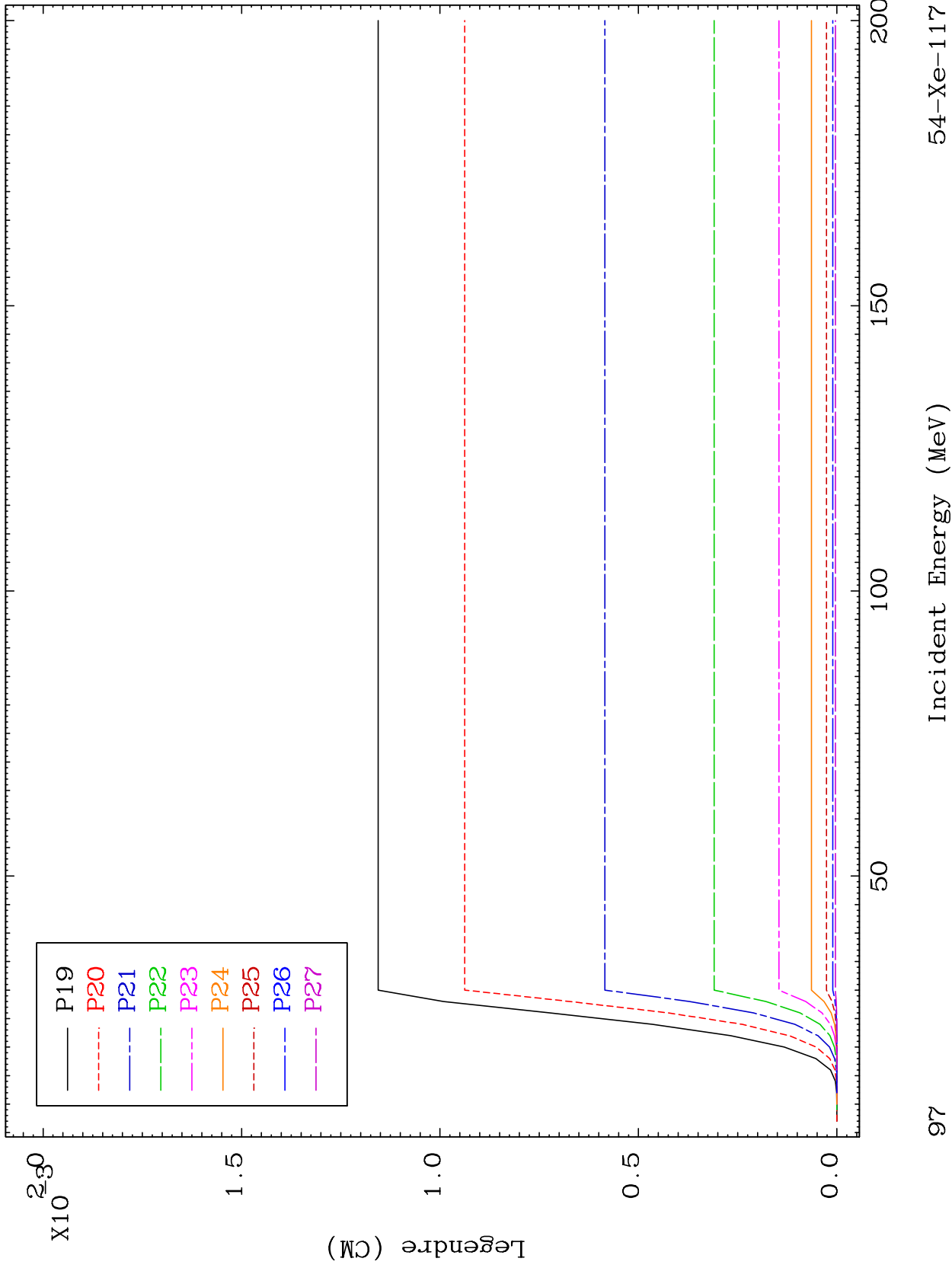
Incident Energy (MeV)

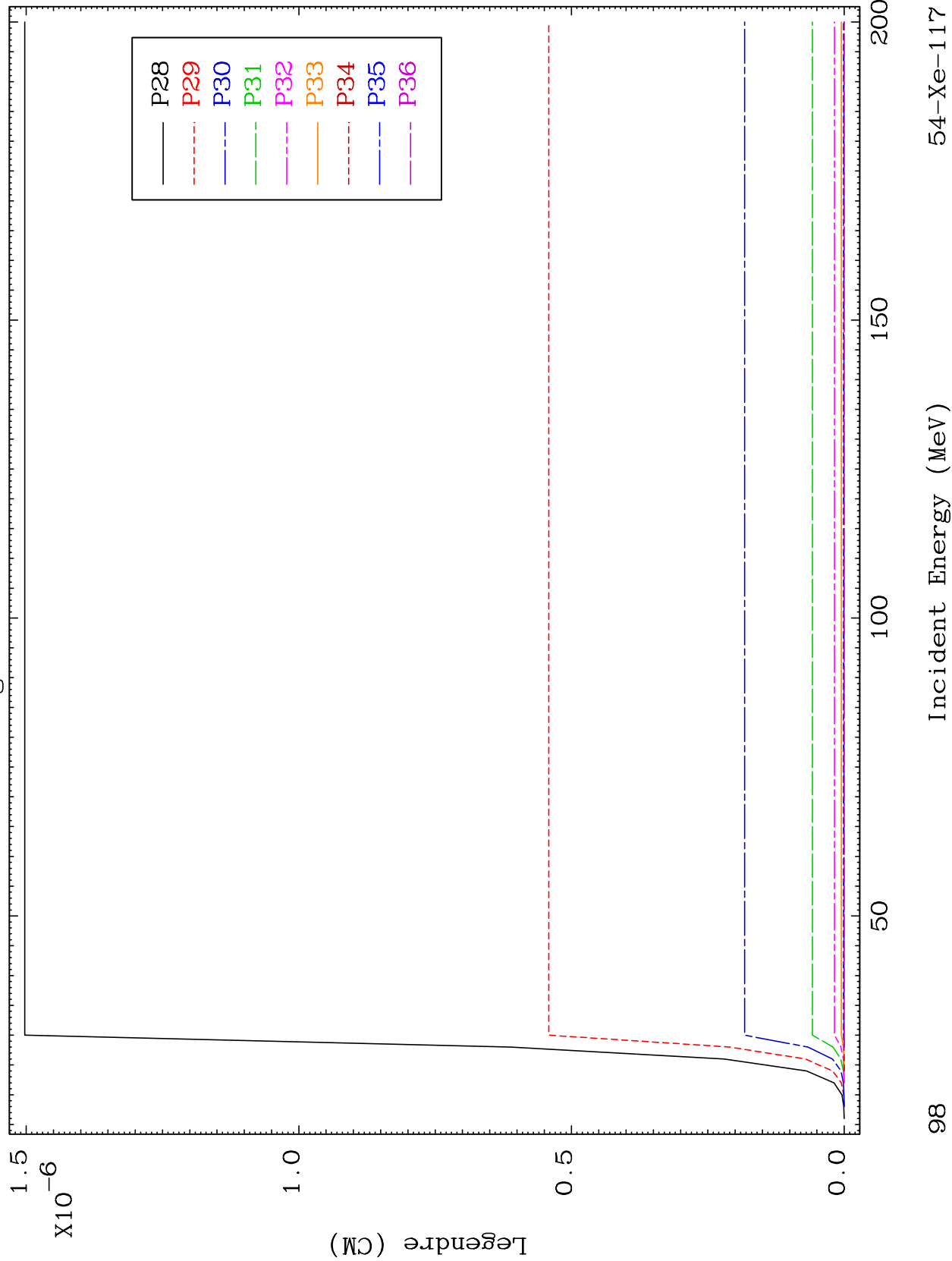
96

MAT 5404

699.8 keV (n,n') Level  
Legendre Coefficients

54-Xe-117

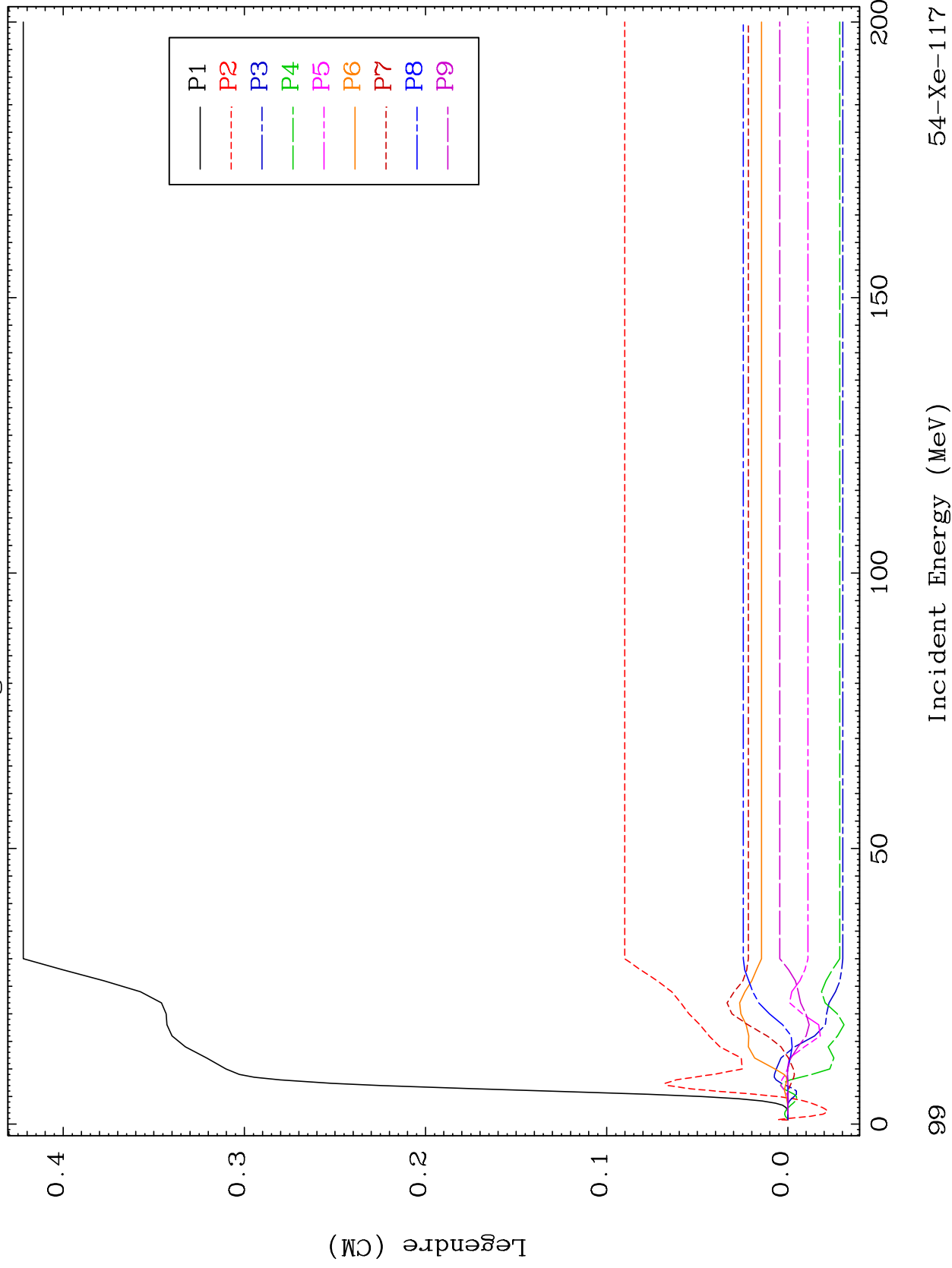




MAT 5404

713.0 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

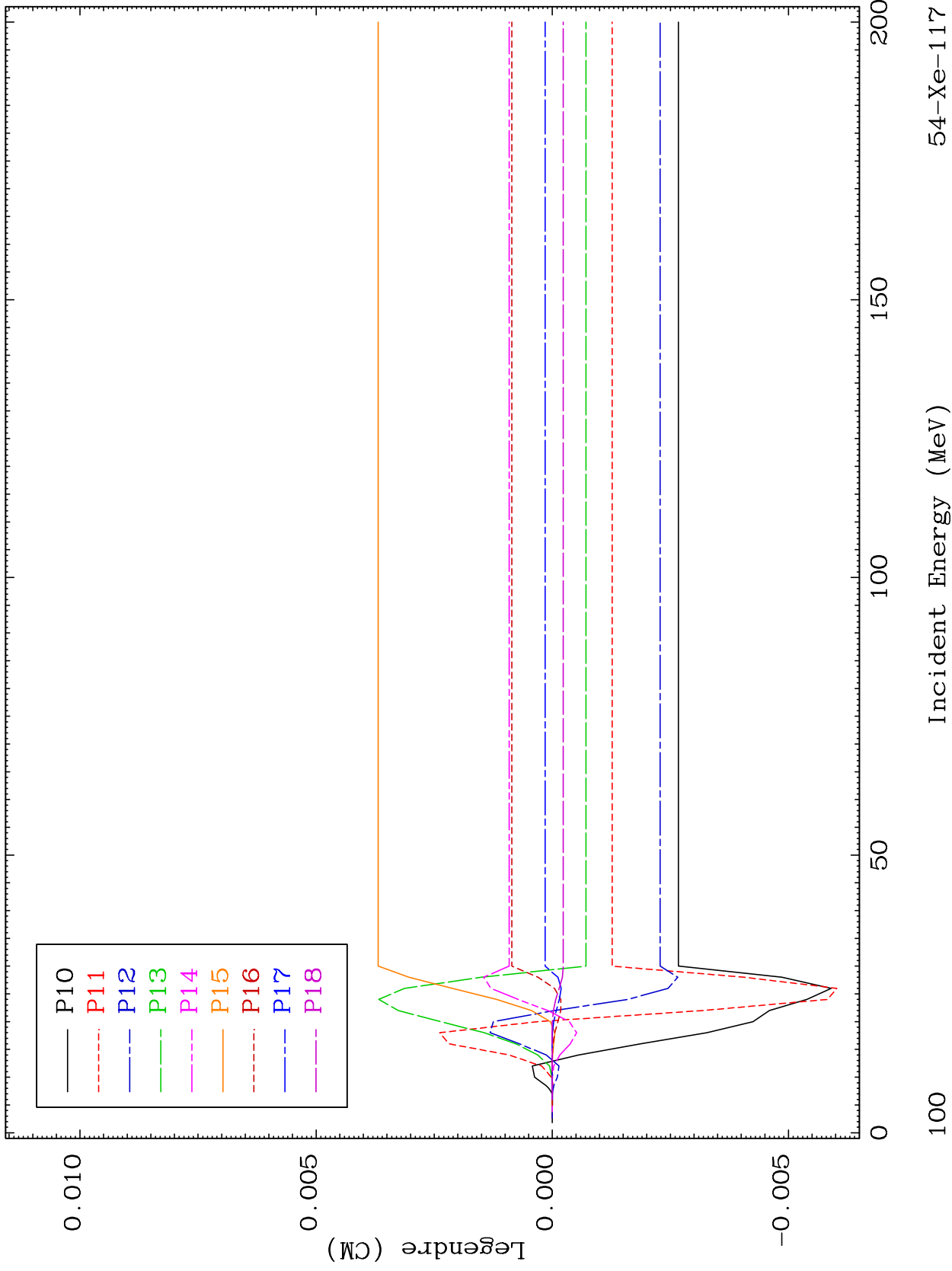
Incident Energy (MeV)

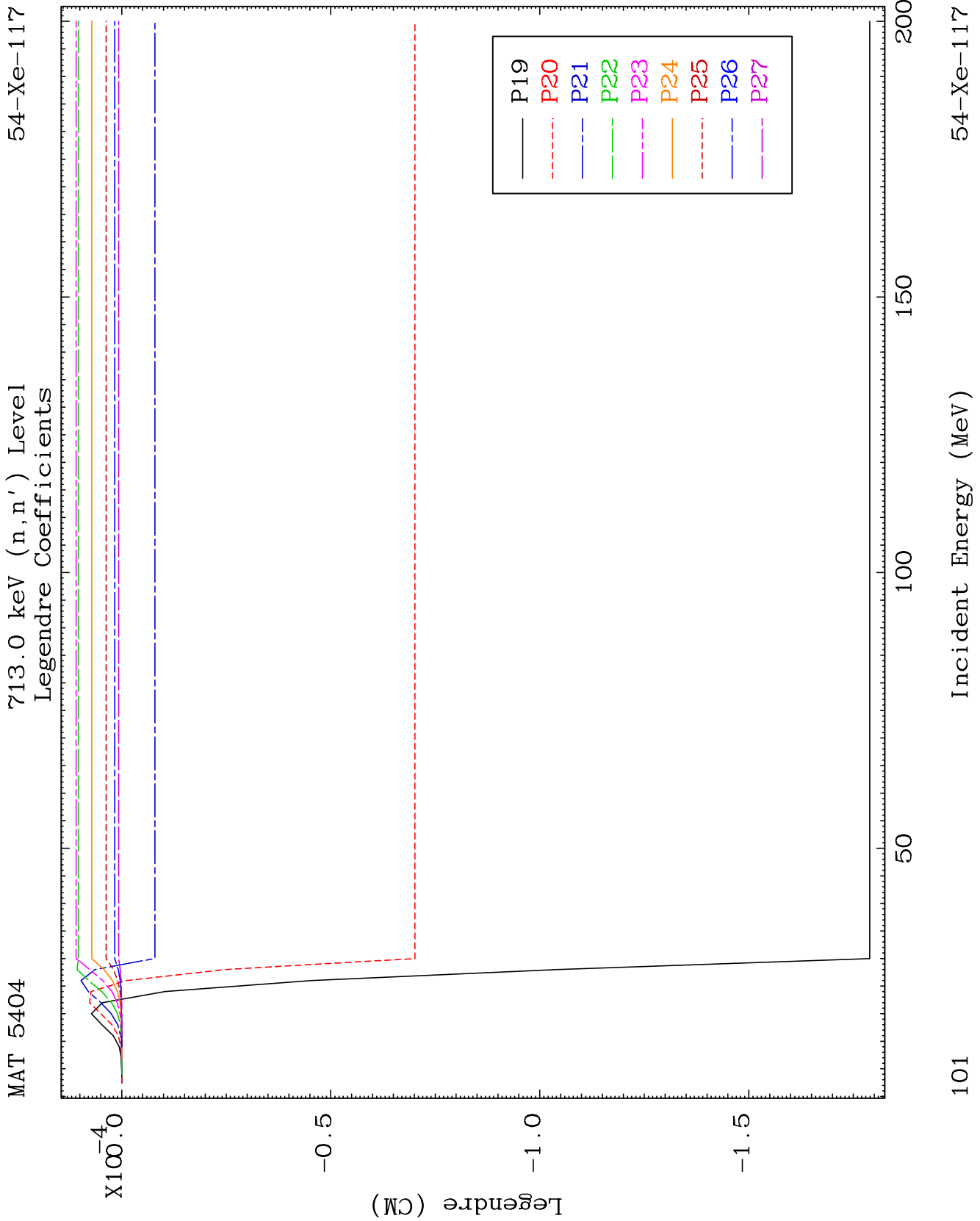
99

MAT 5404

713.0 keV (n,n') Level  
Legendre Coefficients

54-Xe-117

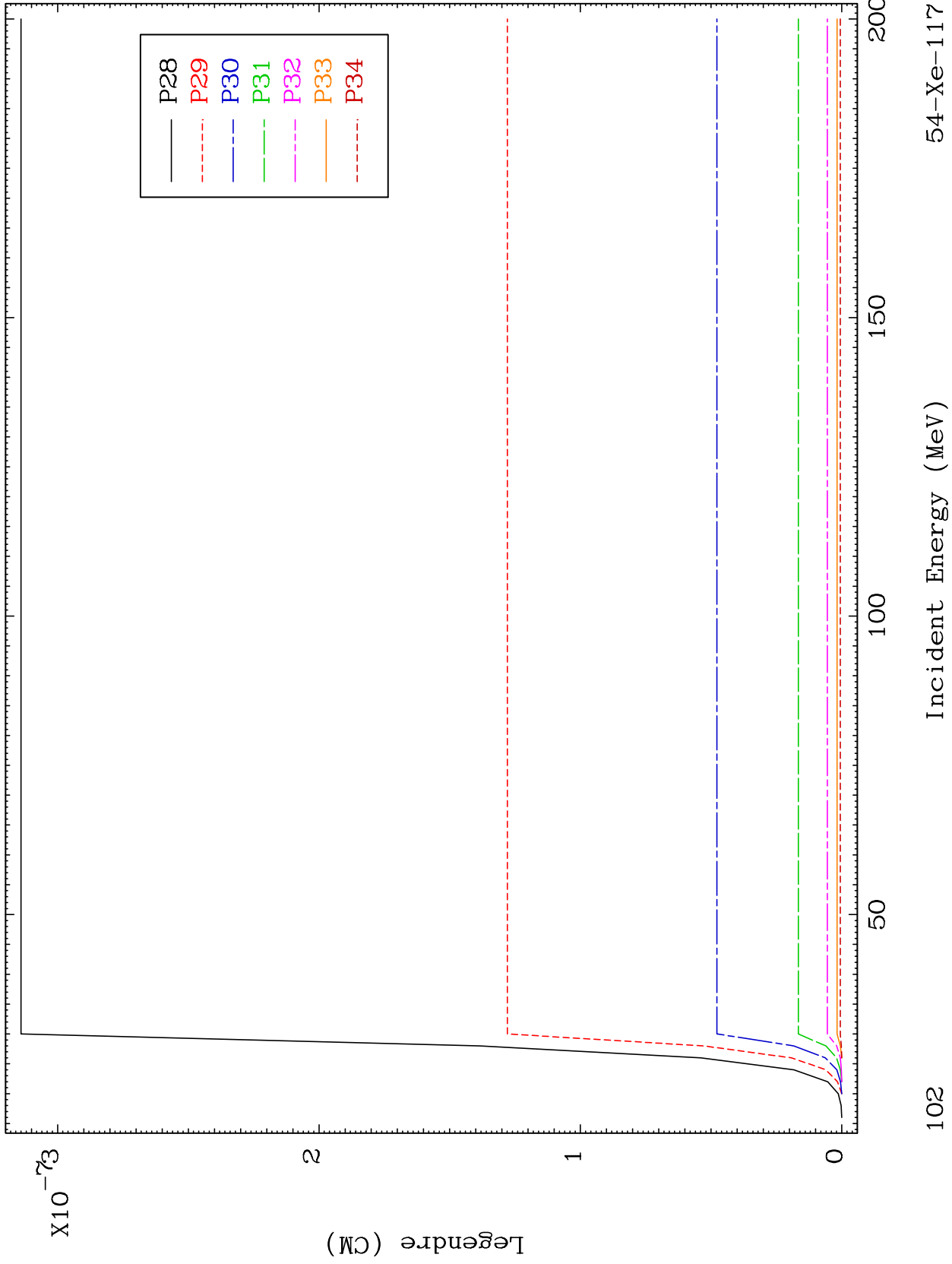




MAT 5404

713.0 keV (n,n') Level  
Legendre Coefficients

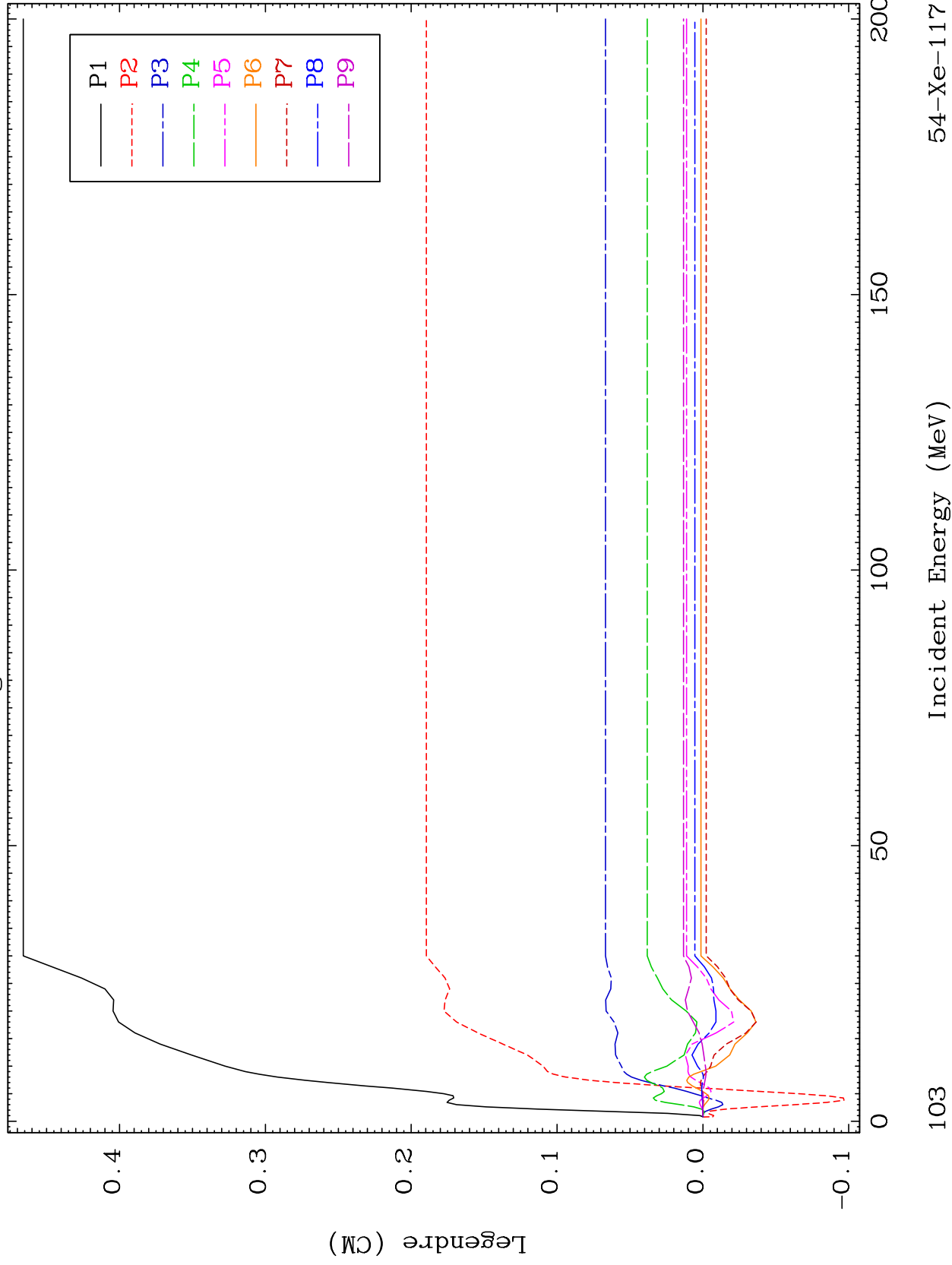
54-Xe-117



MAT 5404

736.7 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

Incident Energy (MeV)

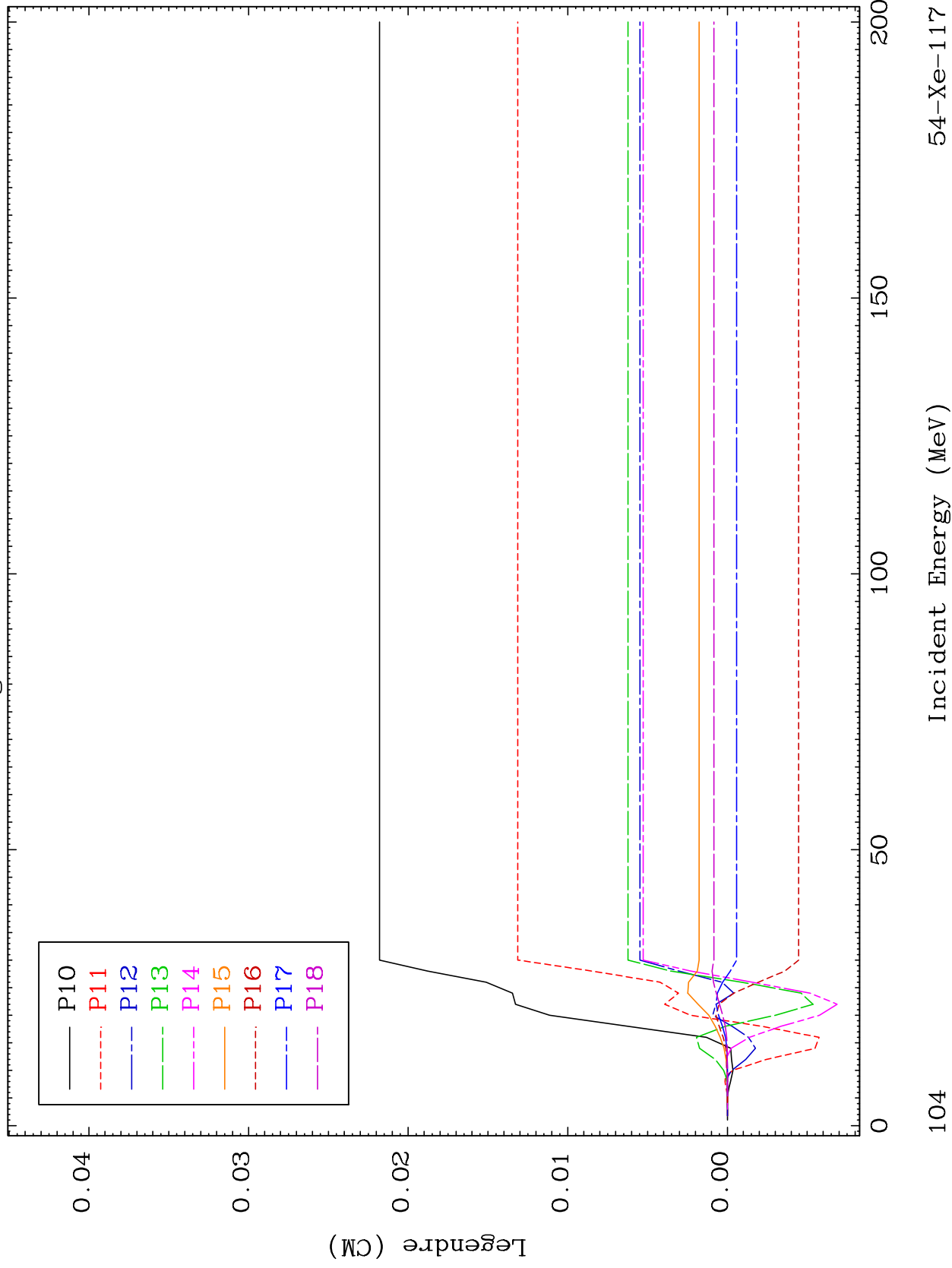
103



MAT 5404

736.7 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



104

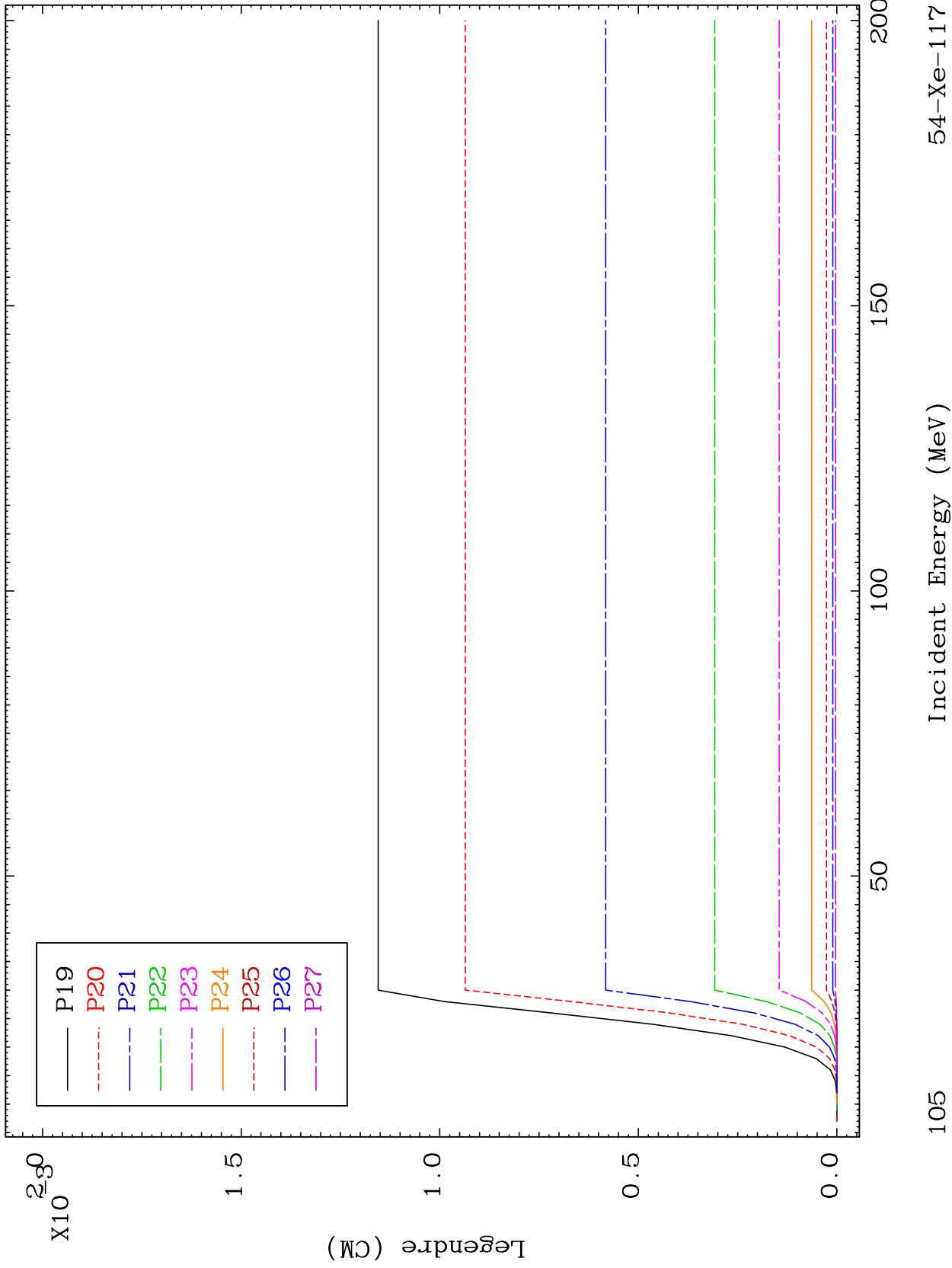
Incident Energy (MeV)

54-Xe-117

MAT 5404

736.7 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



105

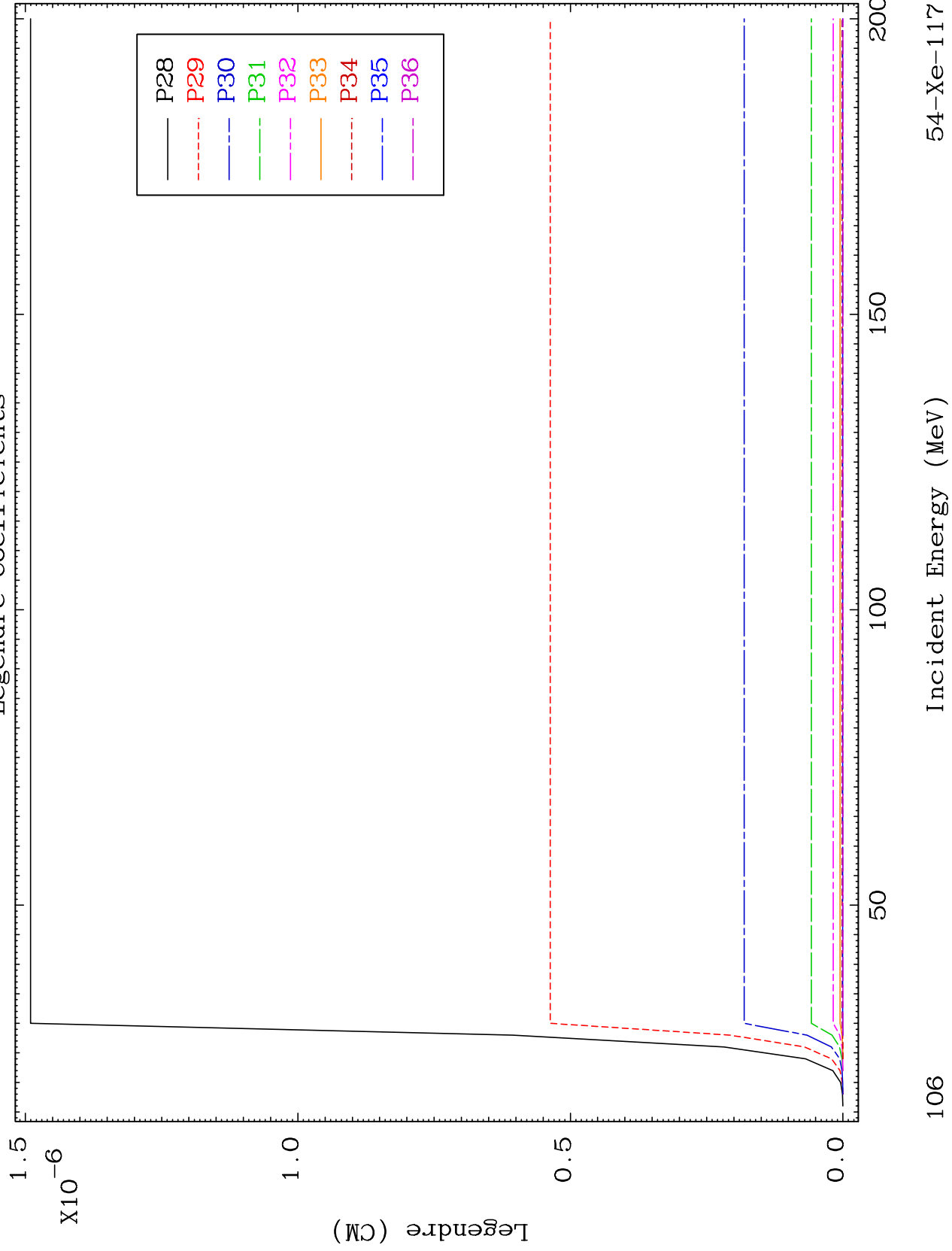
Incident Energy (MeV)

54-Xe-117

MAT 5404

736.7 keV (n,n') Level  
Legendre Coefficients

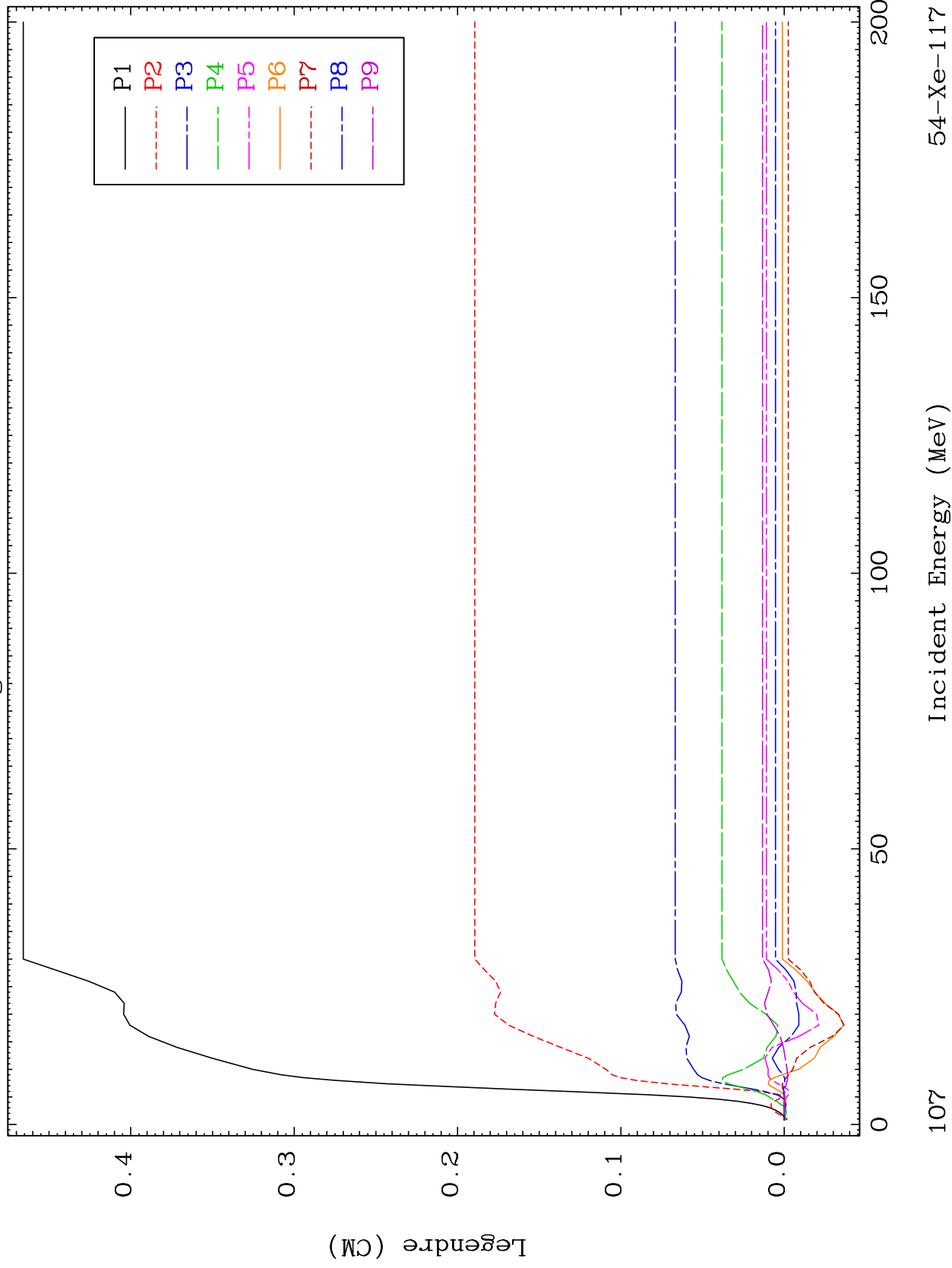
54-Xe-117



MAT 5404

785.5 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

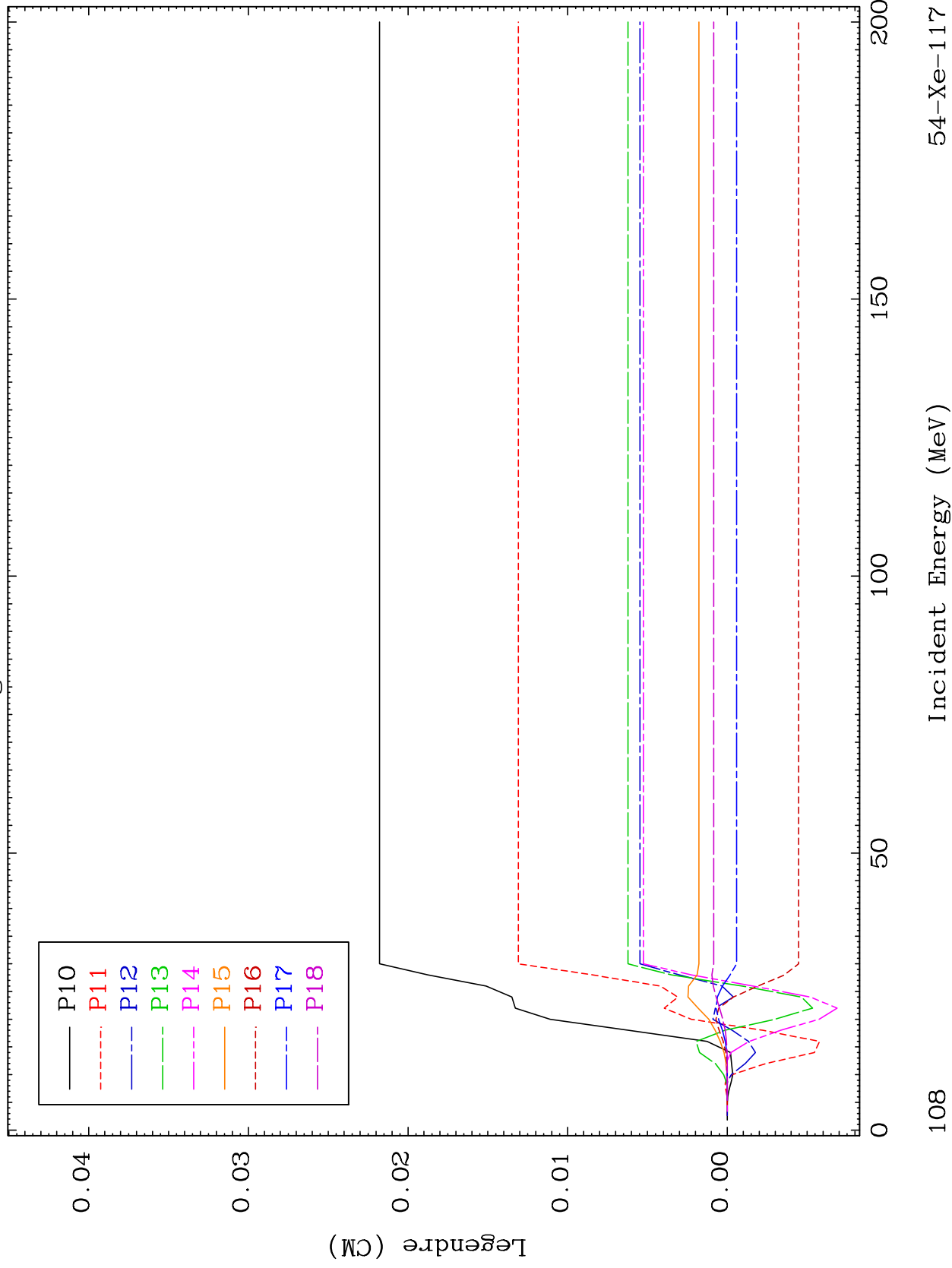
Incident Energy (MeV)

107

MAT 5404

785.5 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

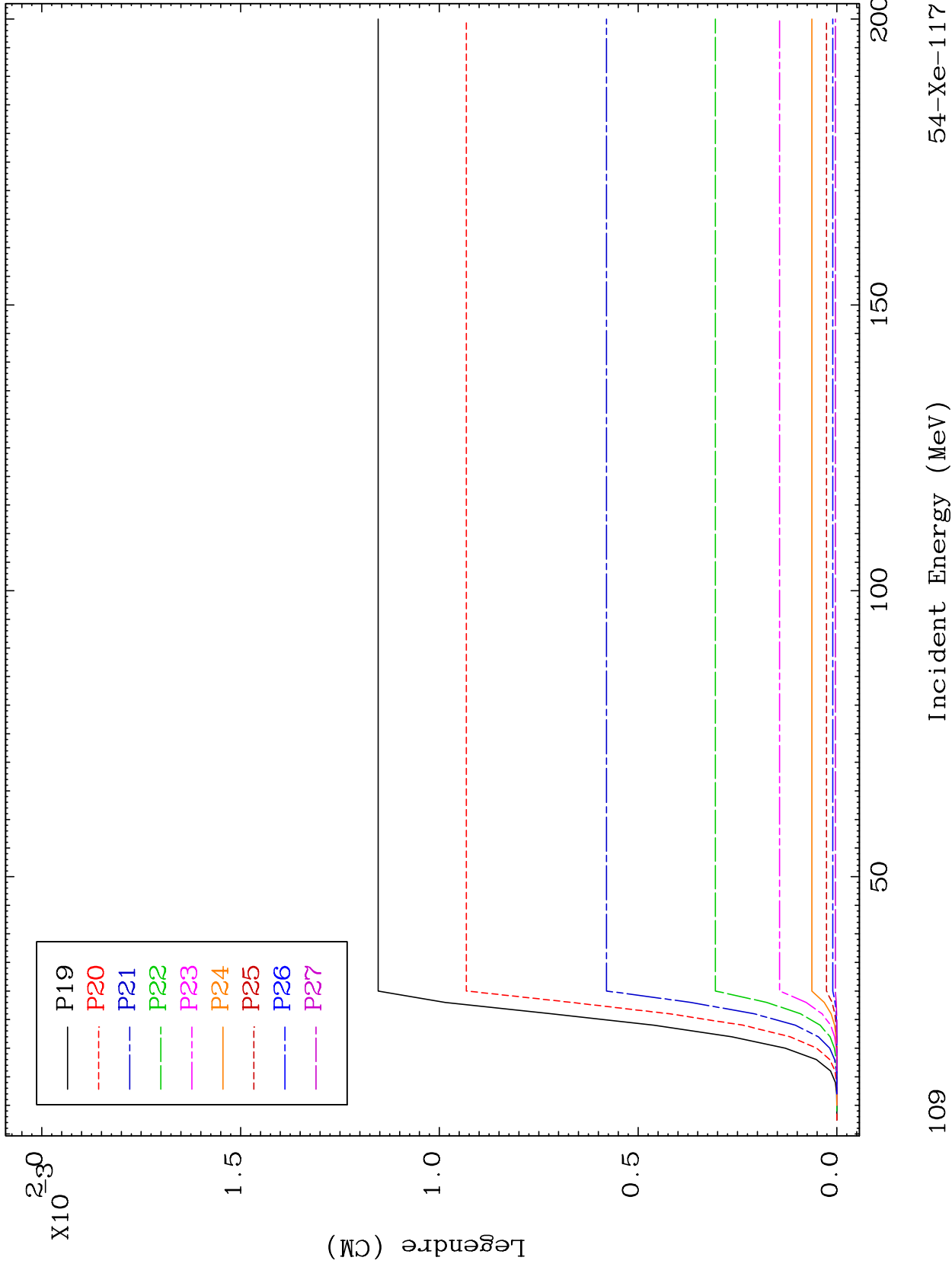
Incident Energy (MeV)

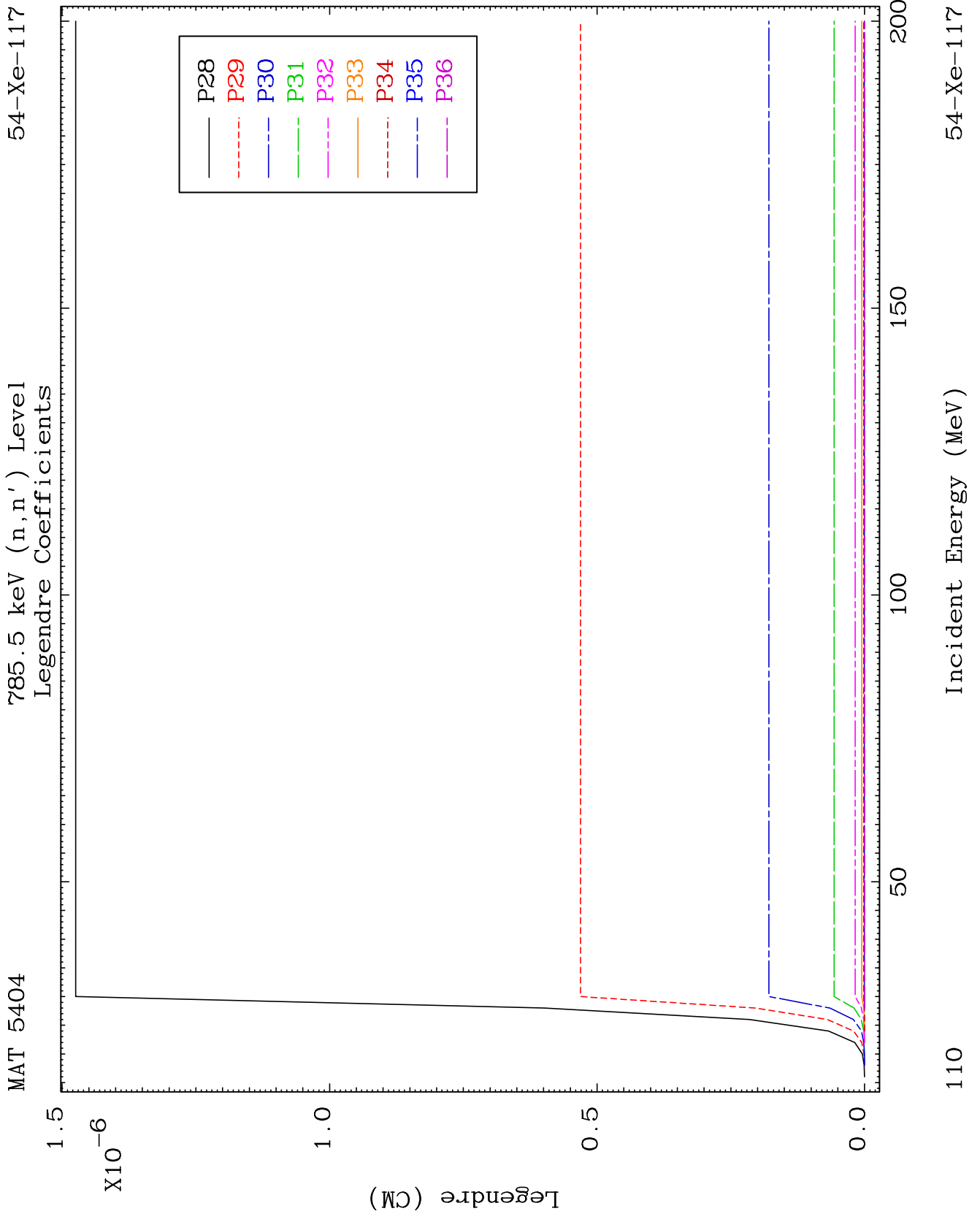
108

MAT 5404

785.5 keV (n,n') Level  
Legendre Coefficients

54-Xe-117

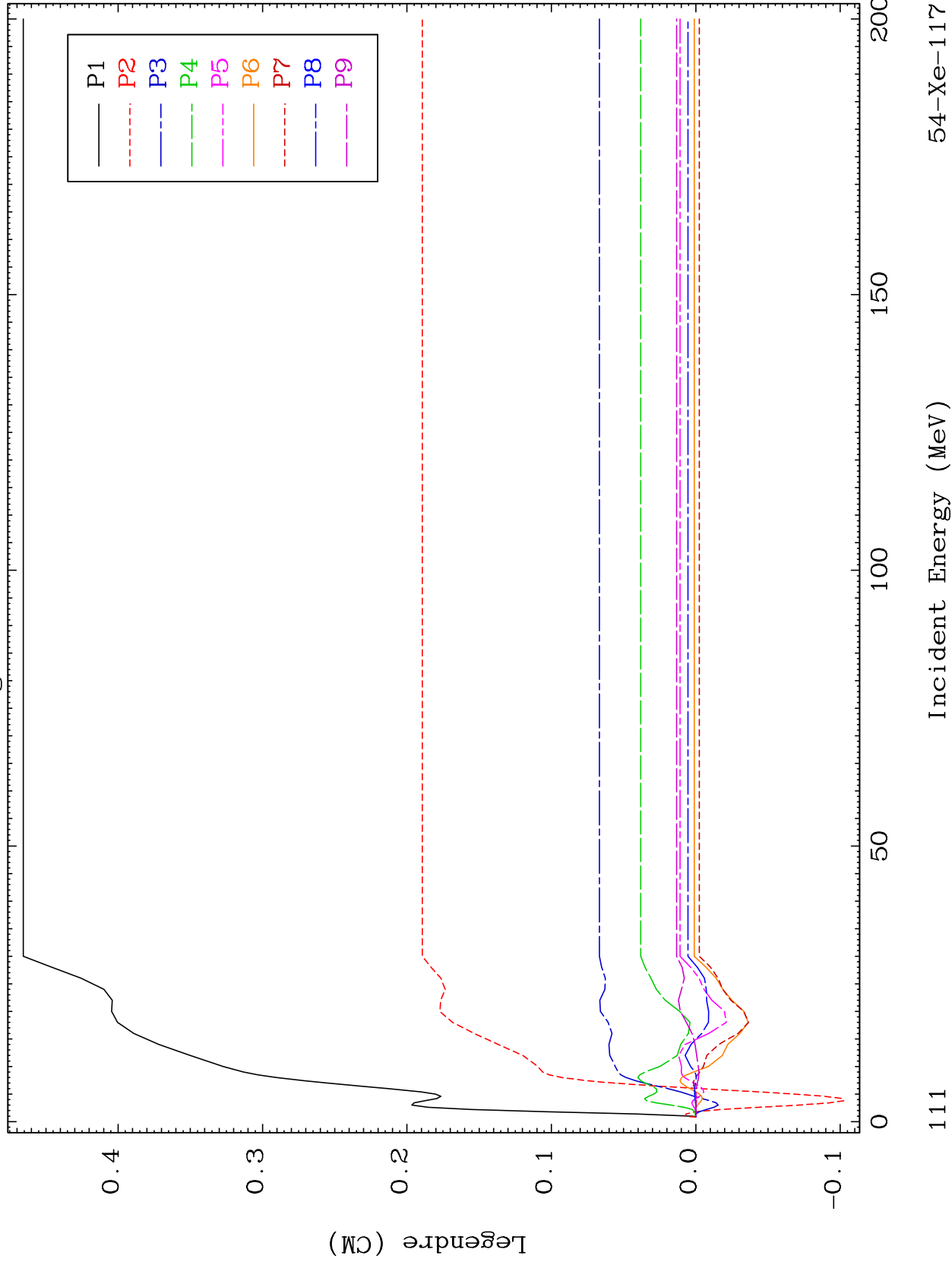




MAT 5404

817.6 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

Incident Energy (MeV)

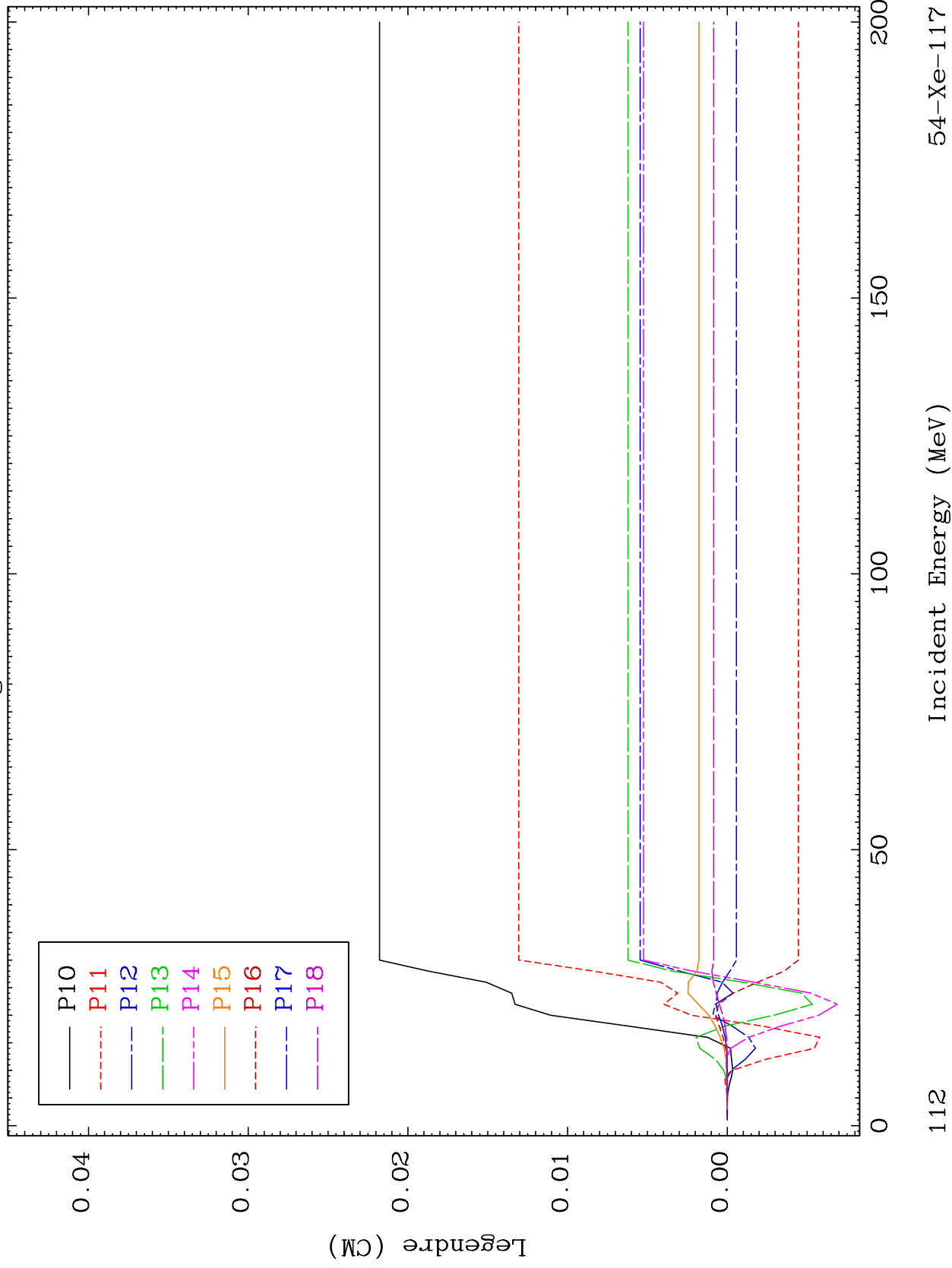
111



MAT 5404

817.6 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

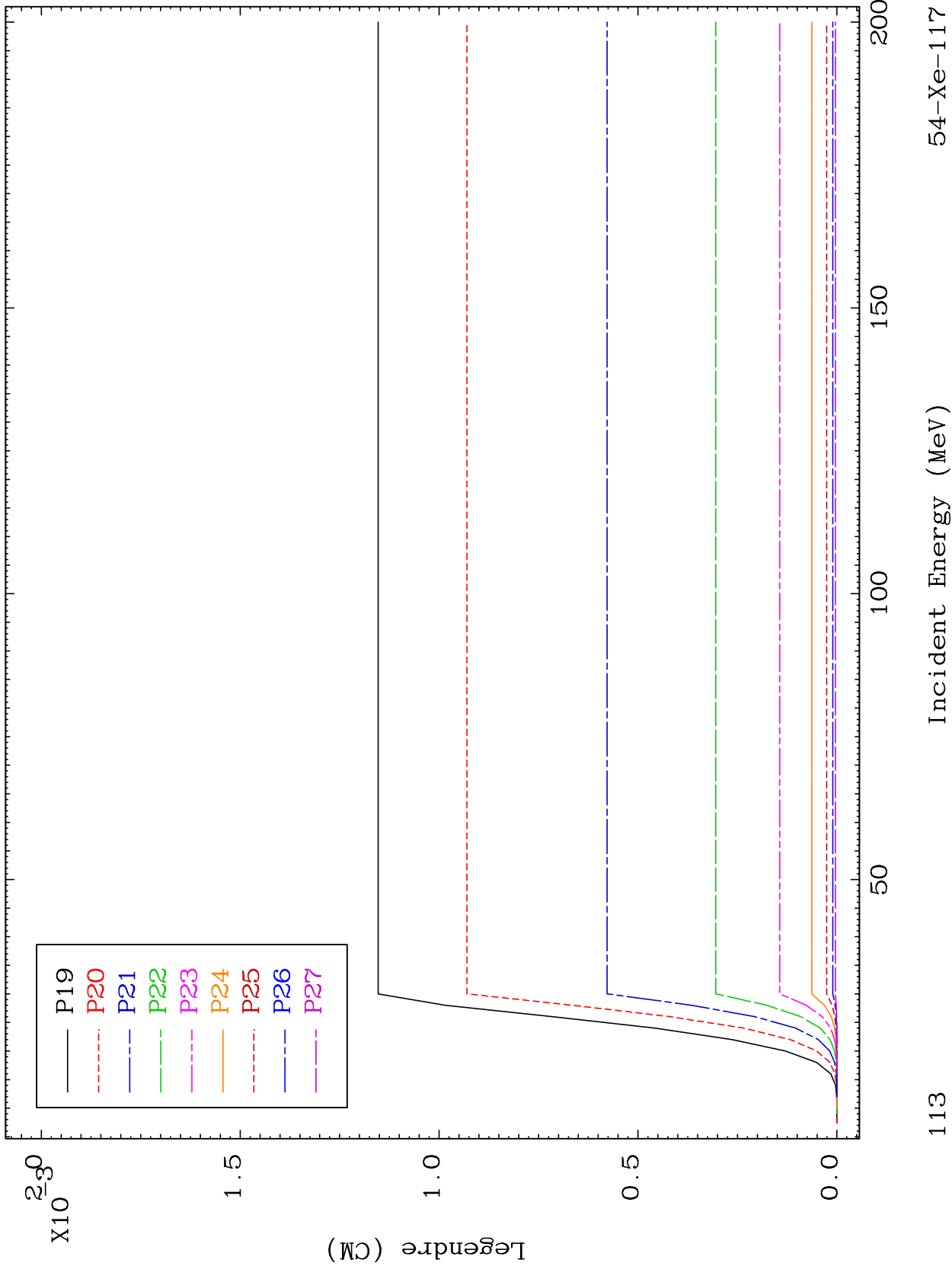
Incident Energy (MeV)

112

MAT 5404

817.6 keV (n,n') Level  
Legendre Coefficients

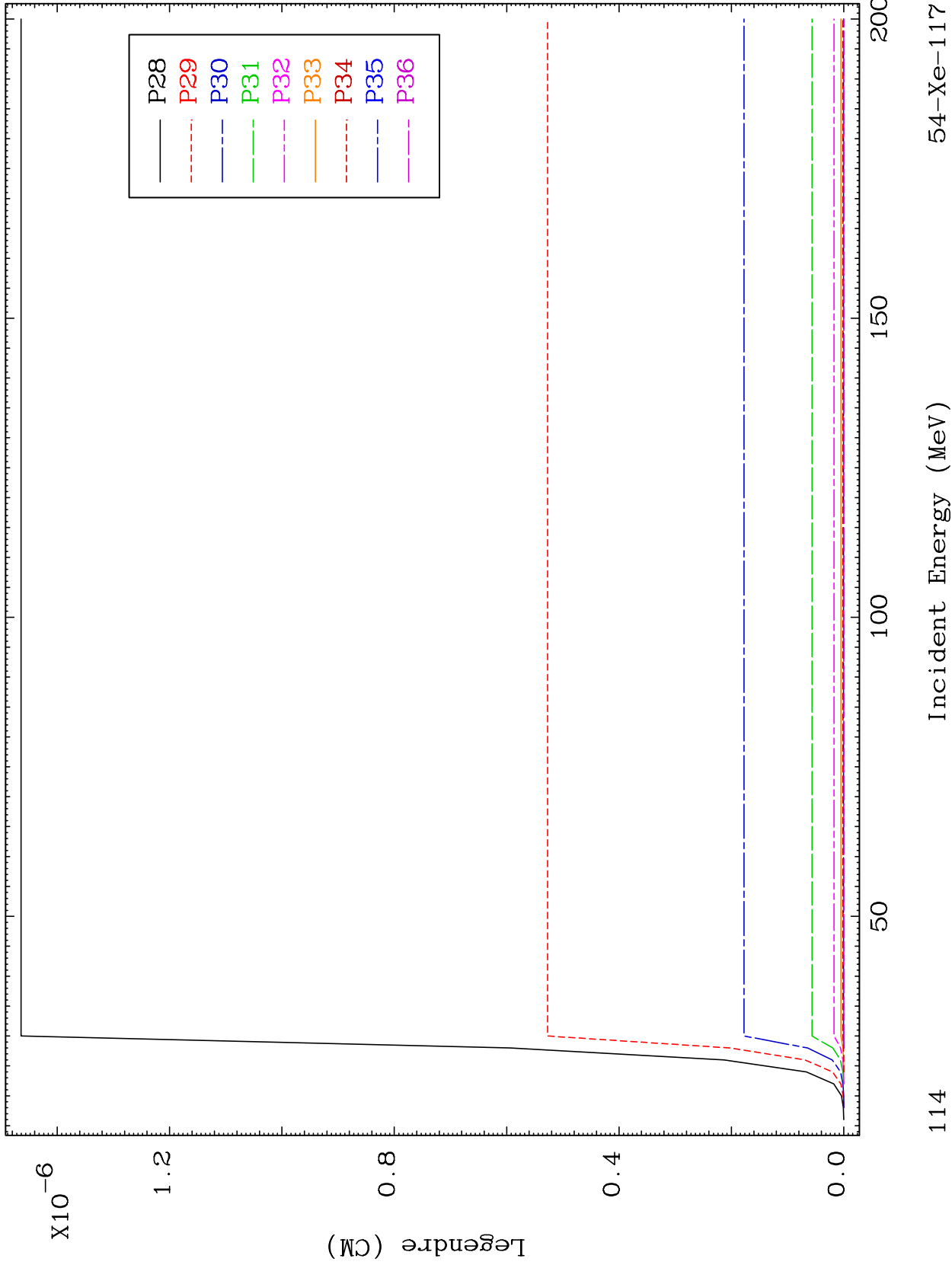
54-Xe-117



MAT 5404

817.6 keV (n, n') Level  
Legendre Coefficients

54-Xe-117

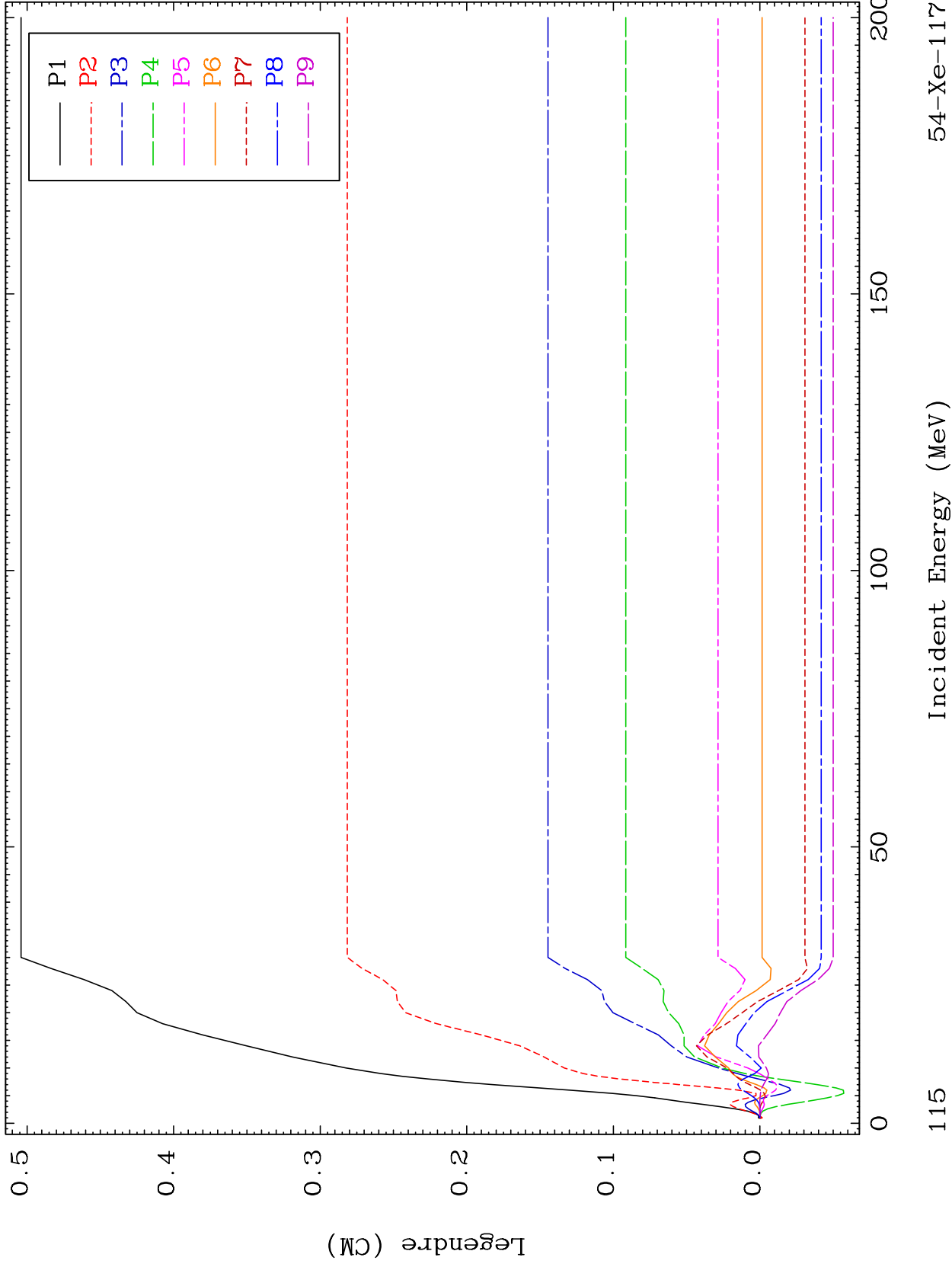


114

MAT 5404

825.1 keV (n,n') Level  
Legendre Coefficients

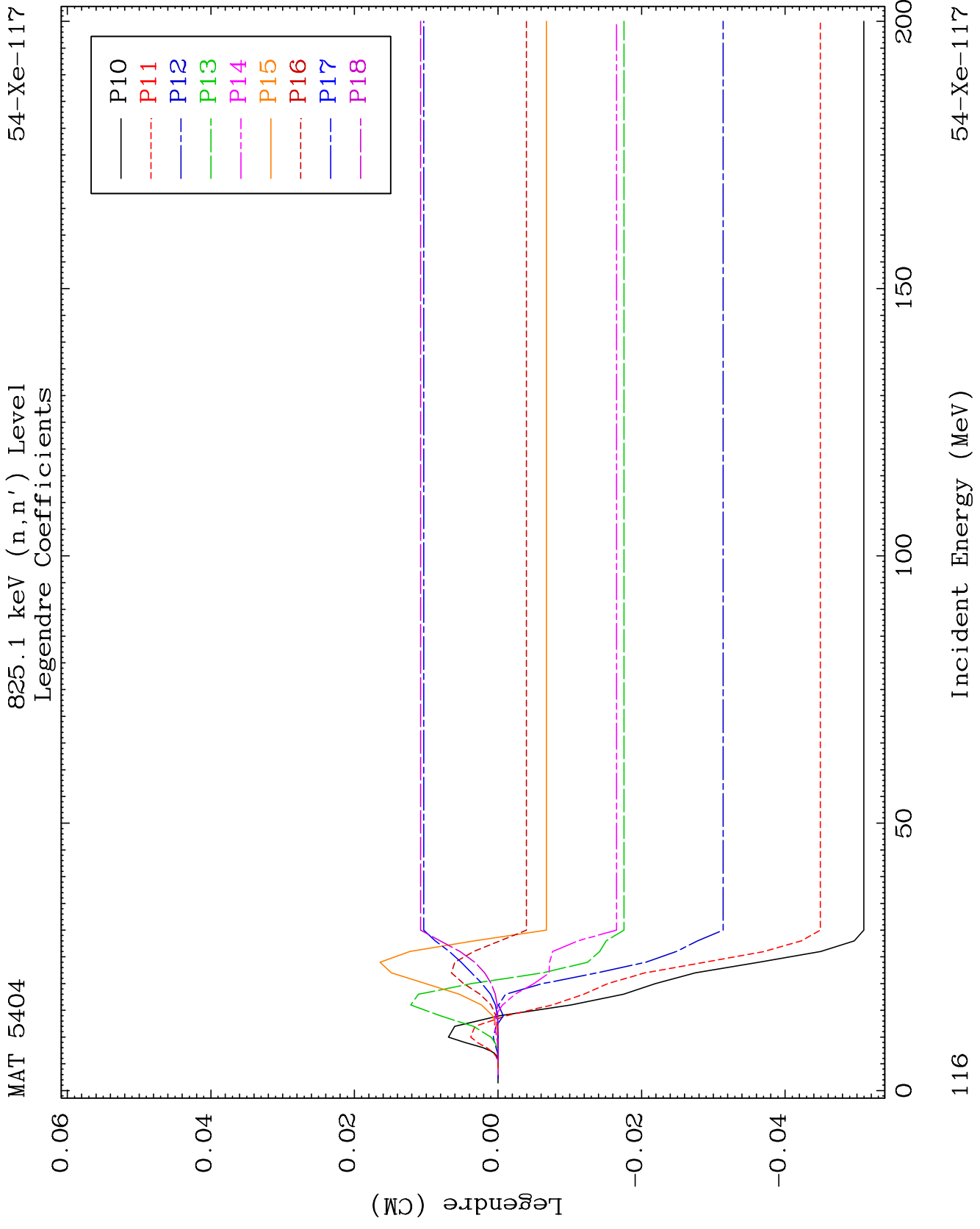
54-Xe-117



54-Xe-117

Incident Energy (MeV)

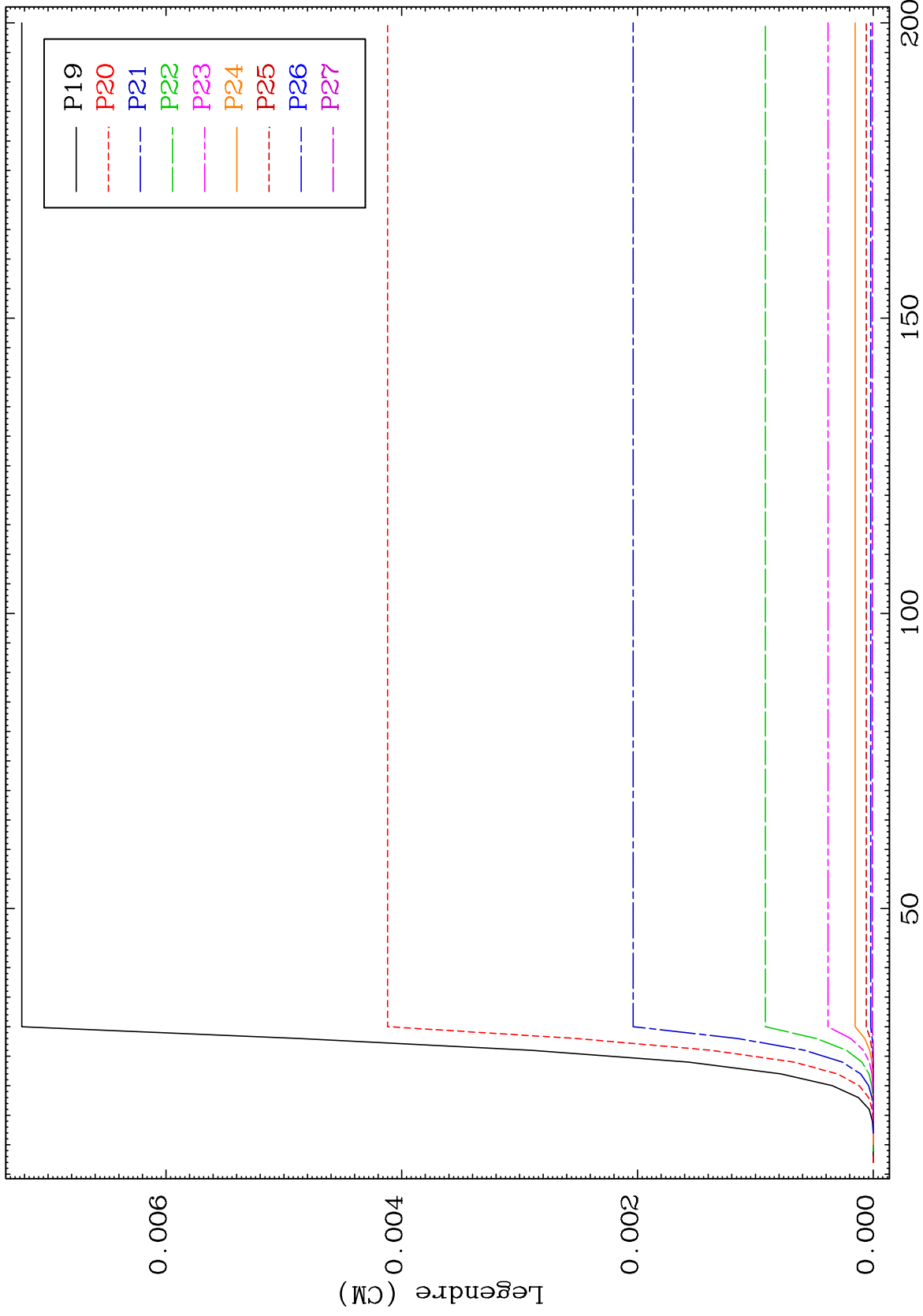
115



MAT 5404

825.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



117

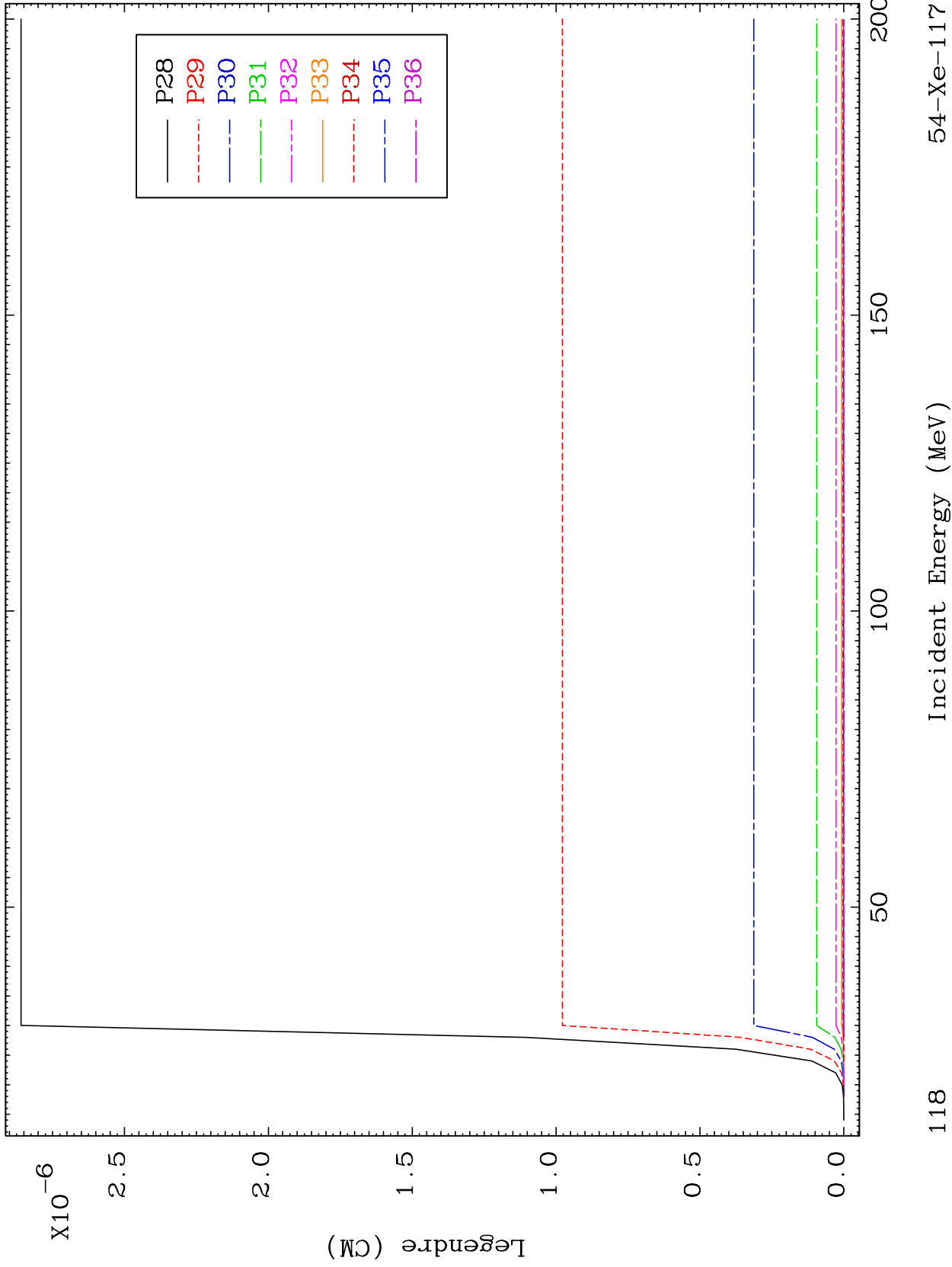
Incident Energy (MeV)

54-Xe-117

MAT 5404

825.1 keV (n,n') Level  
Legendre Coefficients

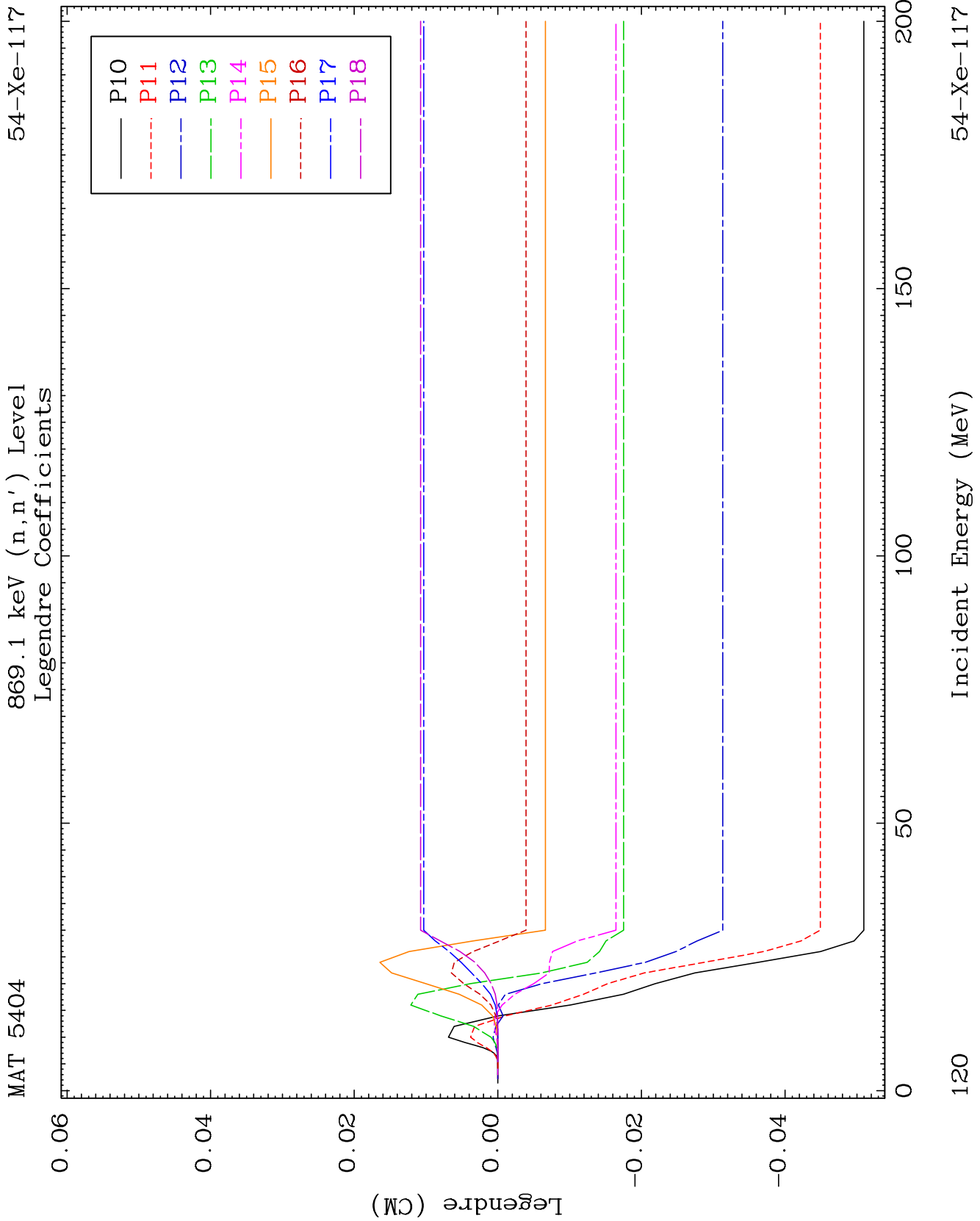
54-Xe-117



118



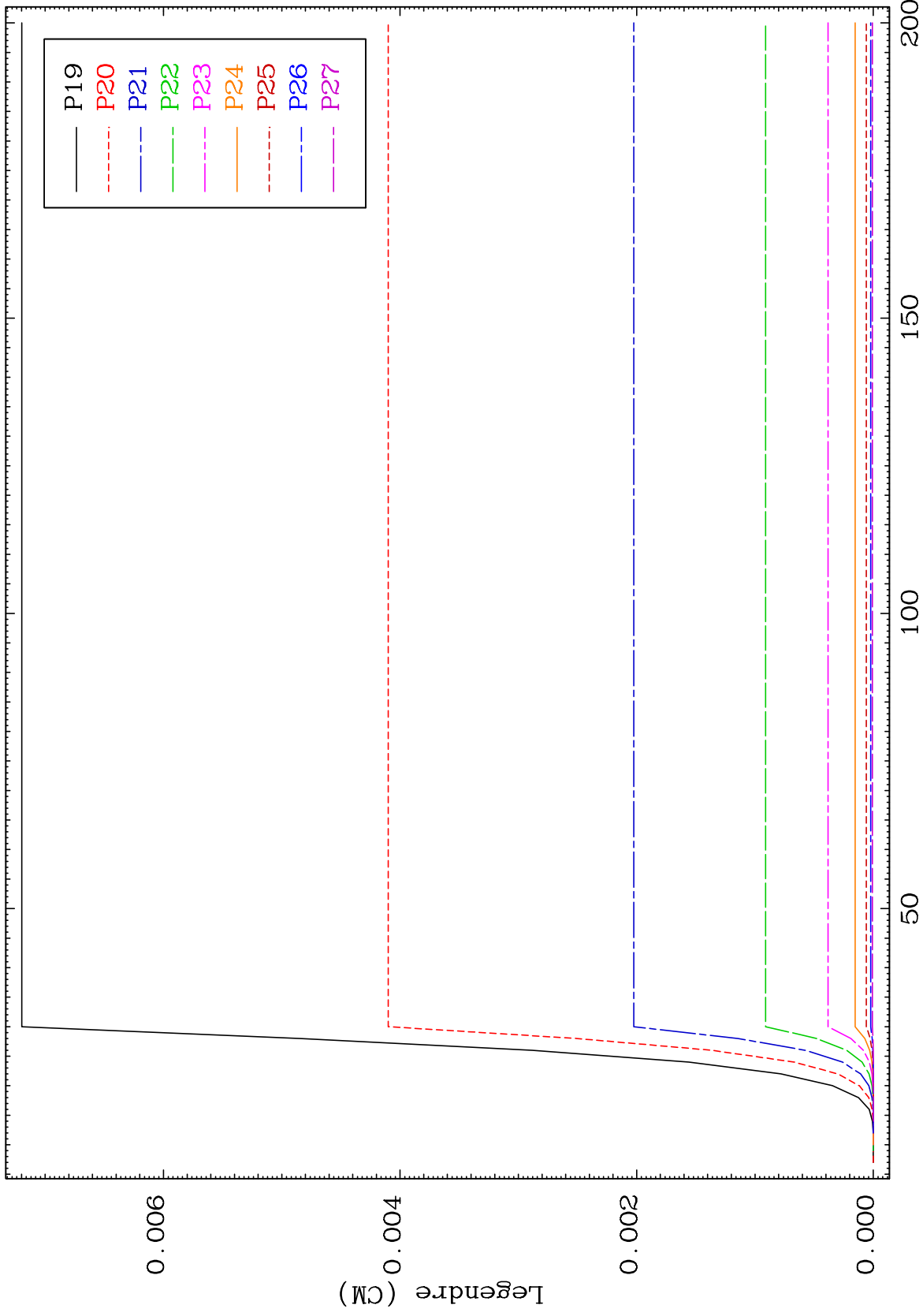




MAT 5404

869.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



121

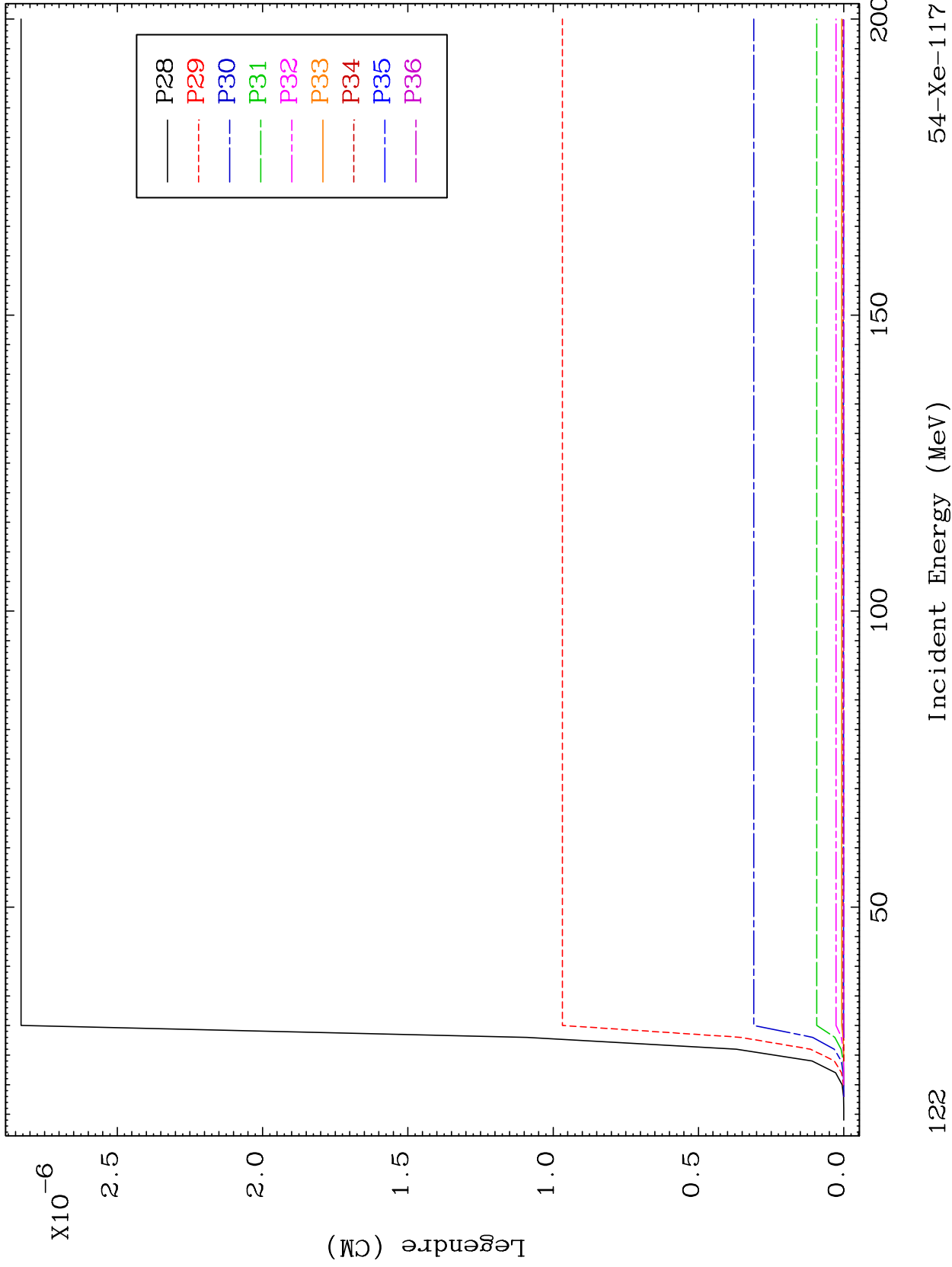
Incident Energy (MeV)

54-Xe-117

MAT 5404

869.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-117

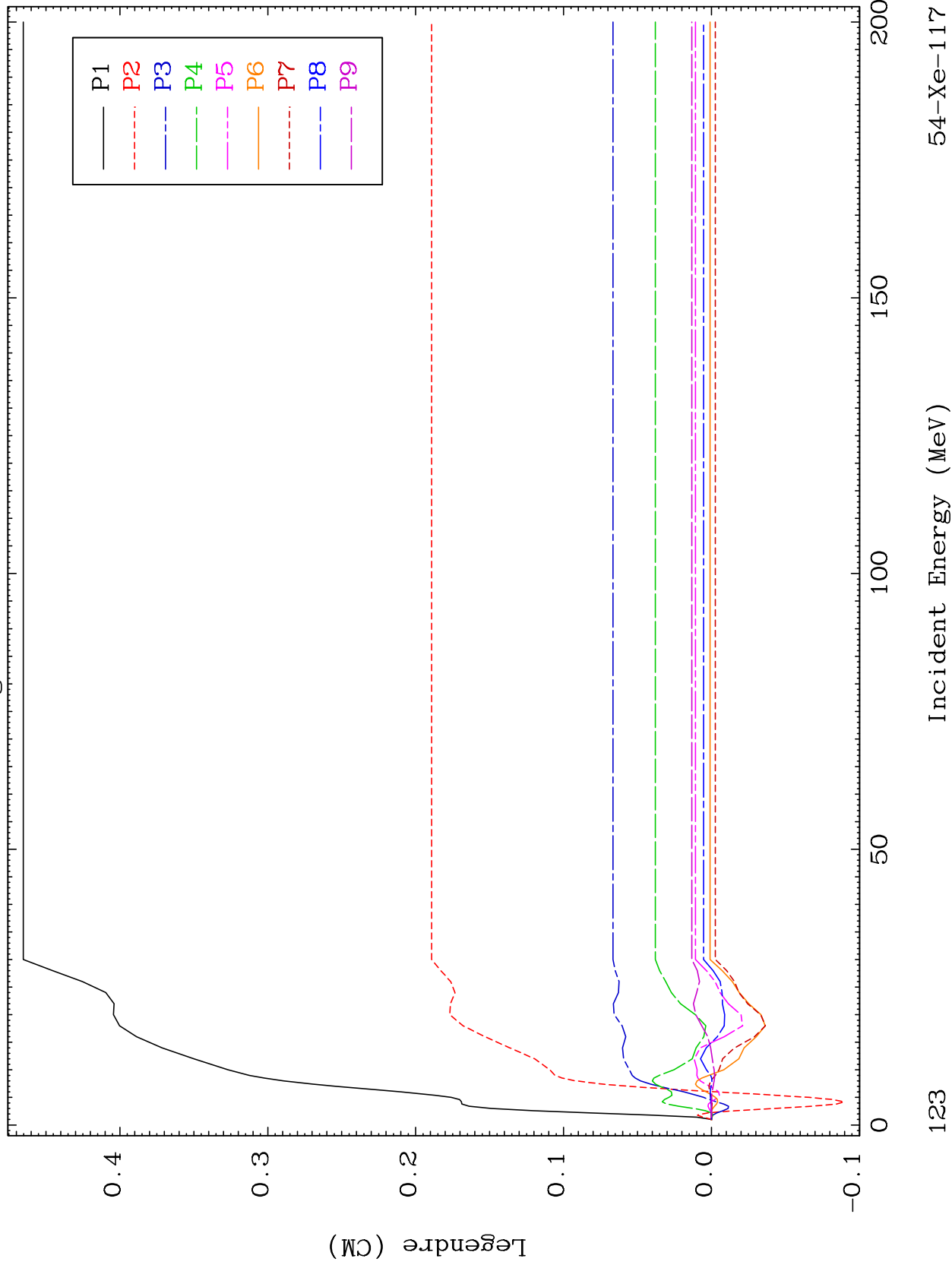


122

MAT 5404

882.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



54-Xe-117

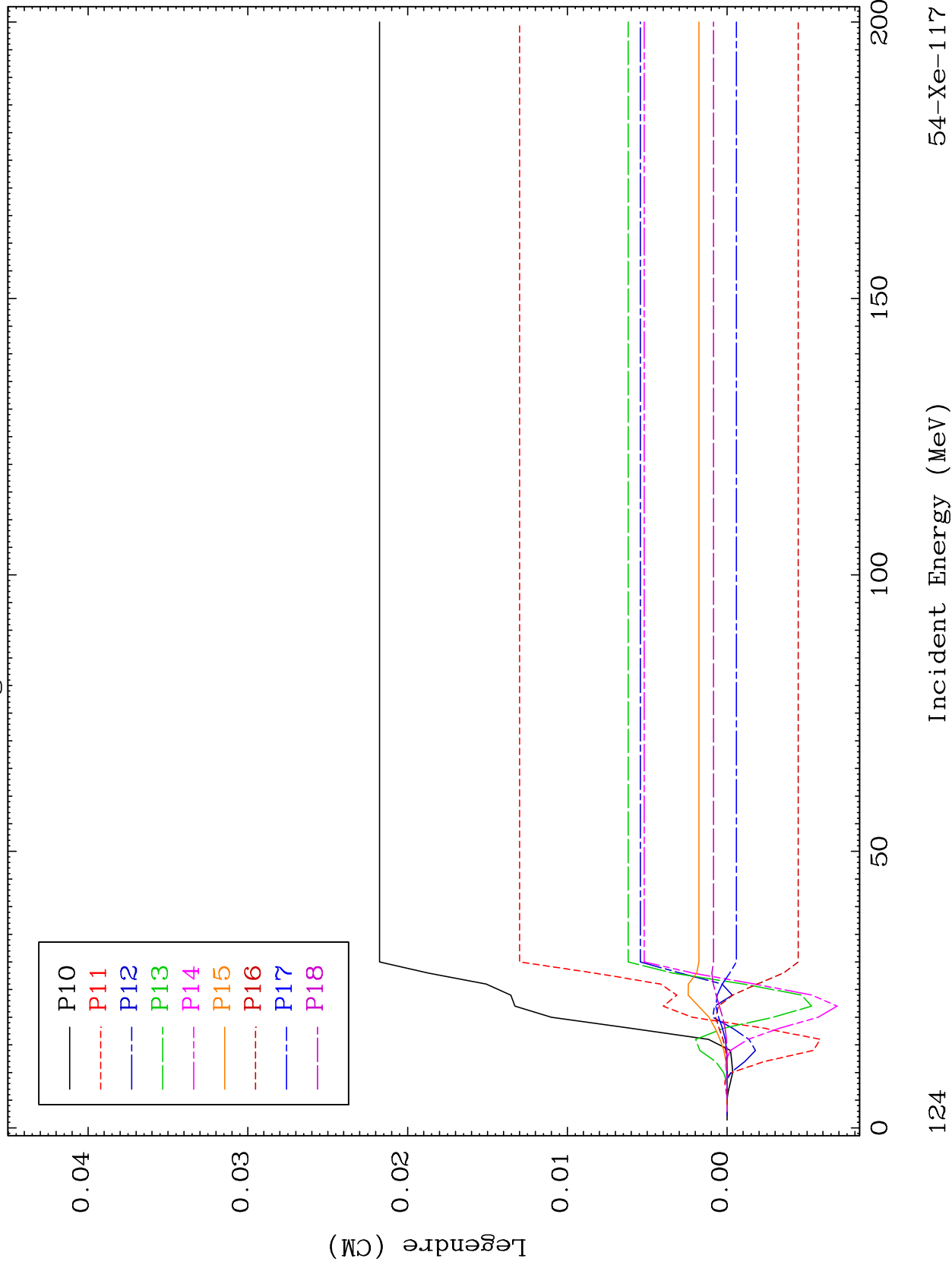
Incident Energy (MeV)

123

MAT 5404

882.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-117

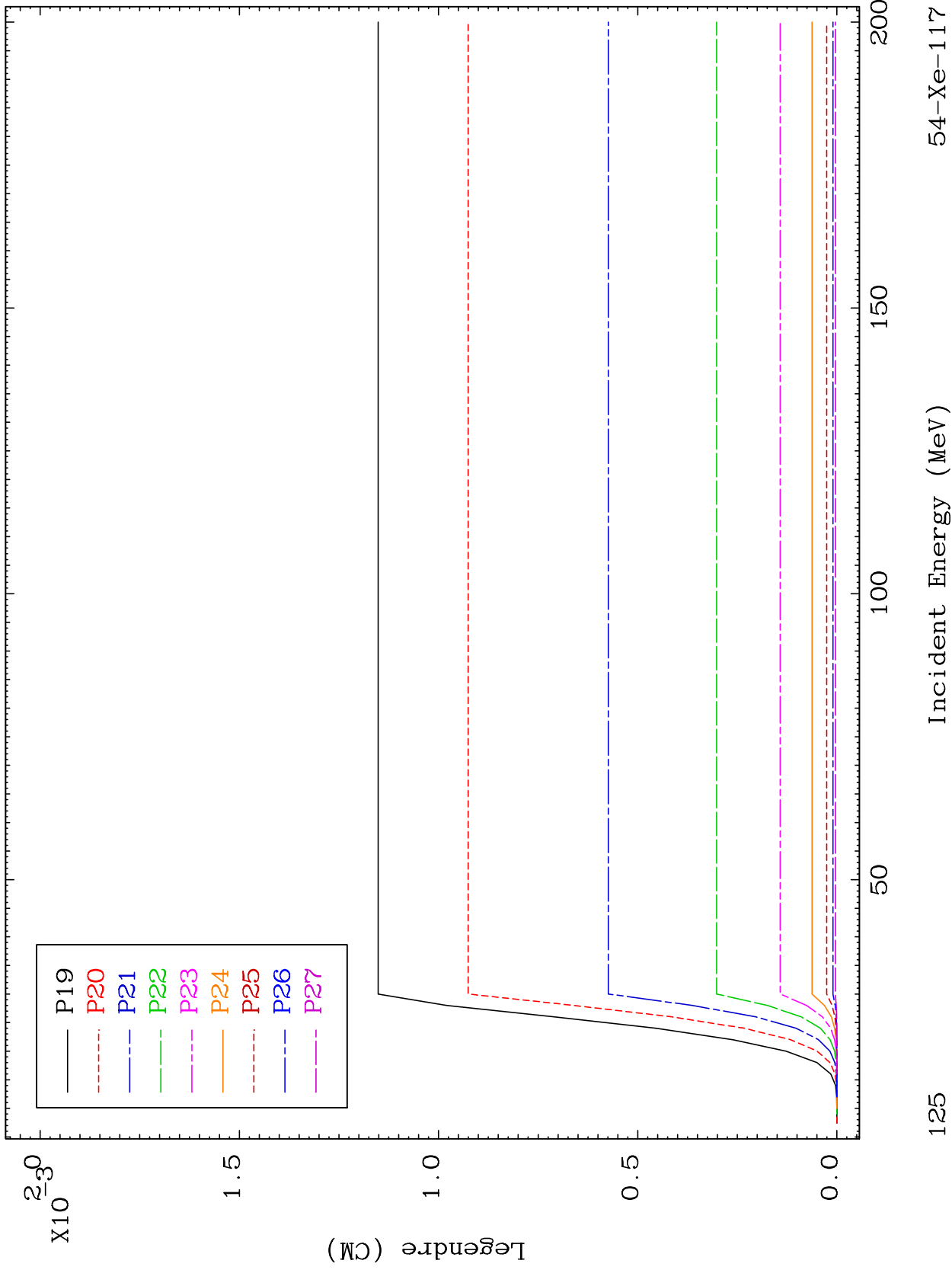


124

MAT 5404

882.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



125

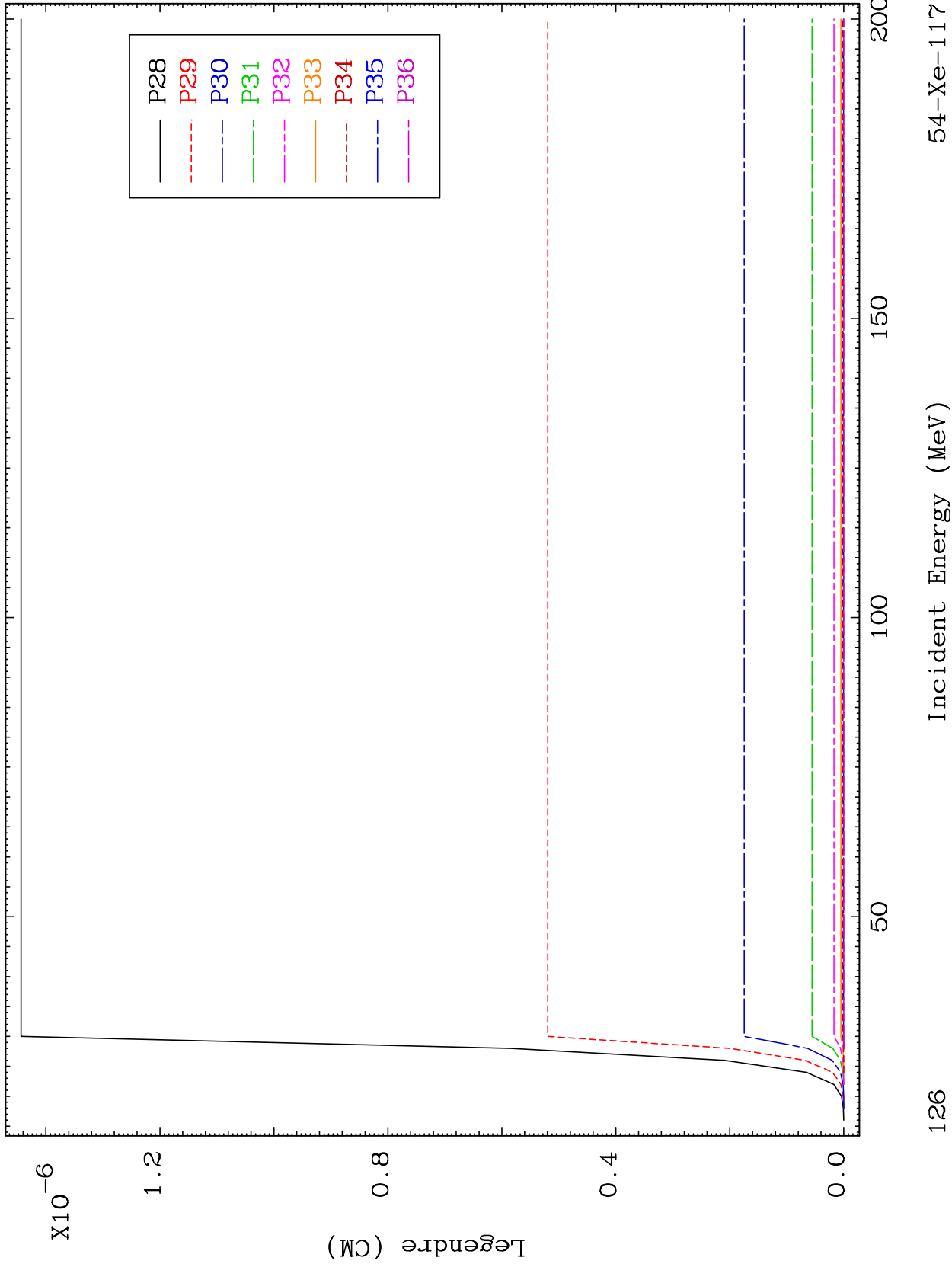
Incident Energy (MeV)

54-Xe-117

MAT 5404

882.1 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



126

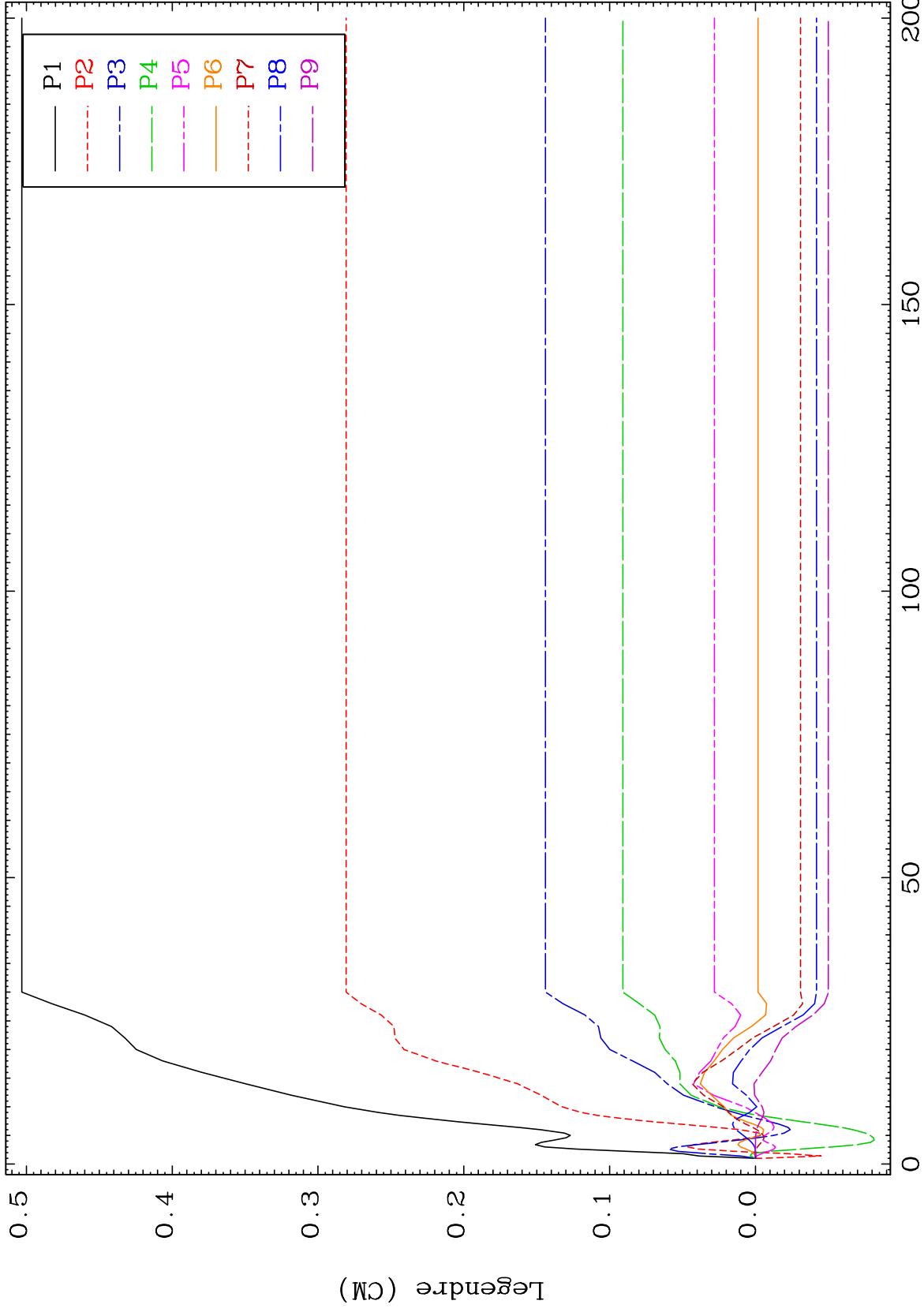
Incident Energy (MeV)

54-Xe-117

MAT 5404

978.4 keV (n,n') Level  
Legendre Coefficients

54-Xe-117

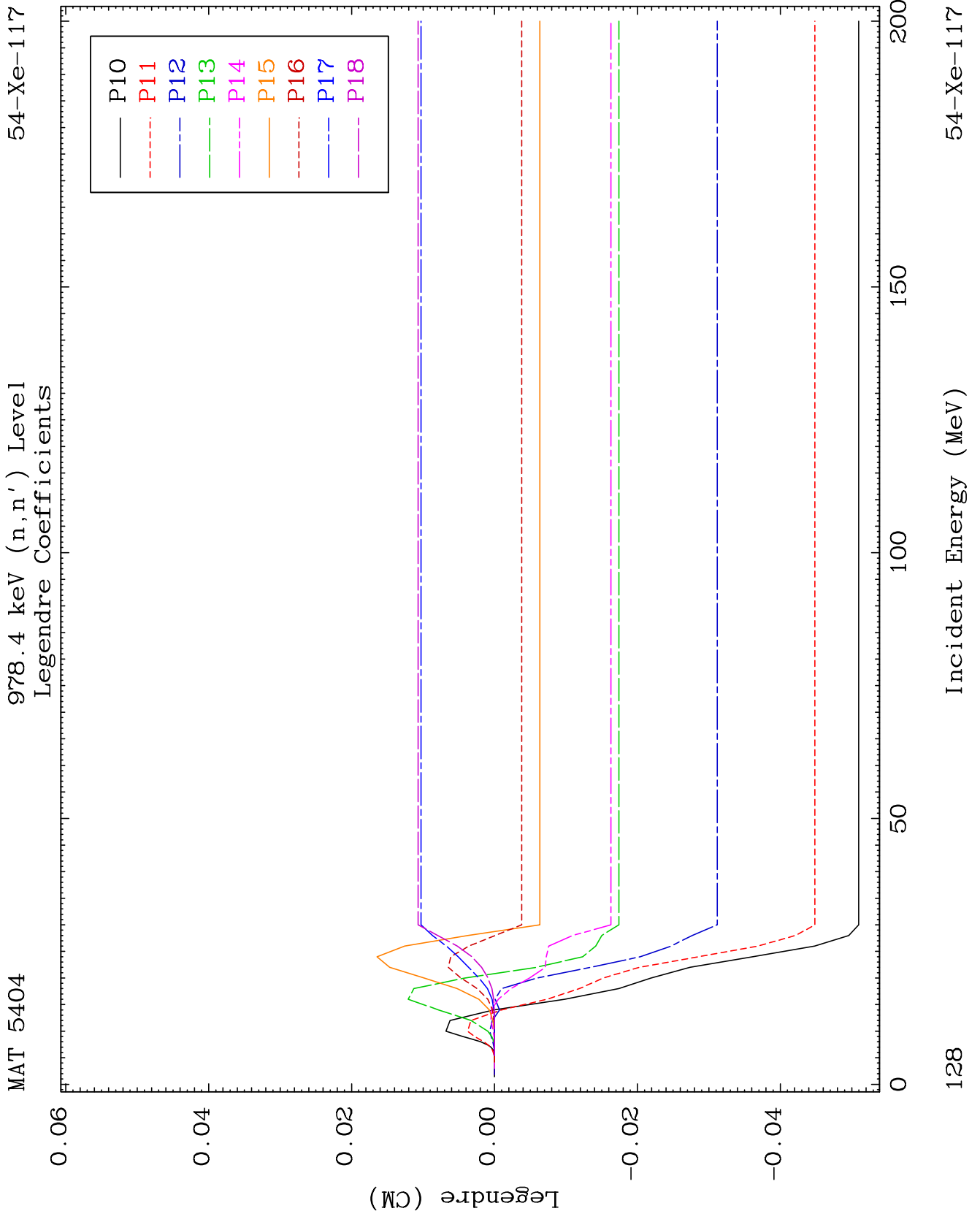


54-Xe-117

Incident Energy (MeV)

127

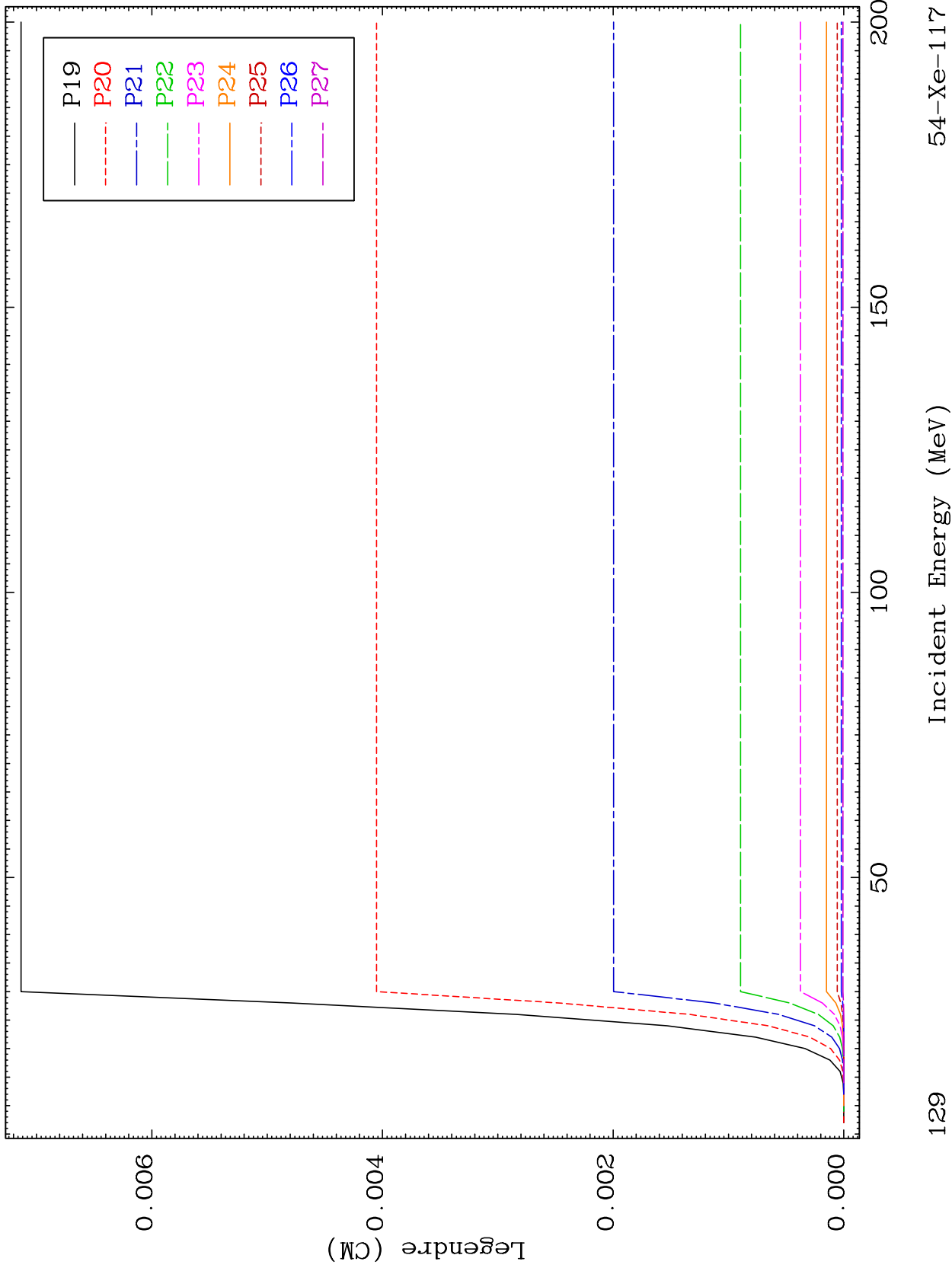




MAT 5404

978.4 keV (n,n') Level  
Legendre Coefficients

54-Xe-117



129

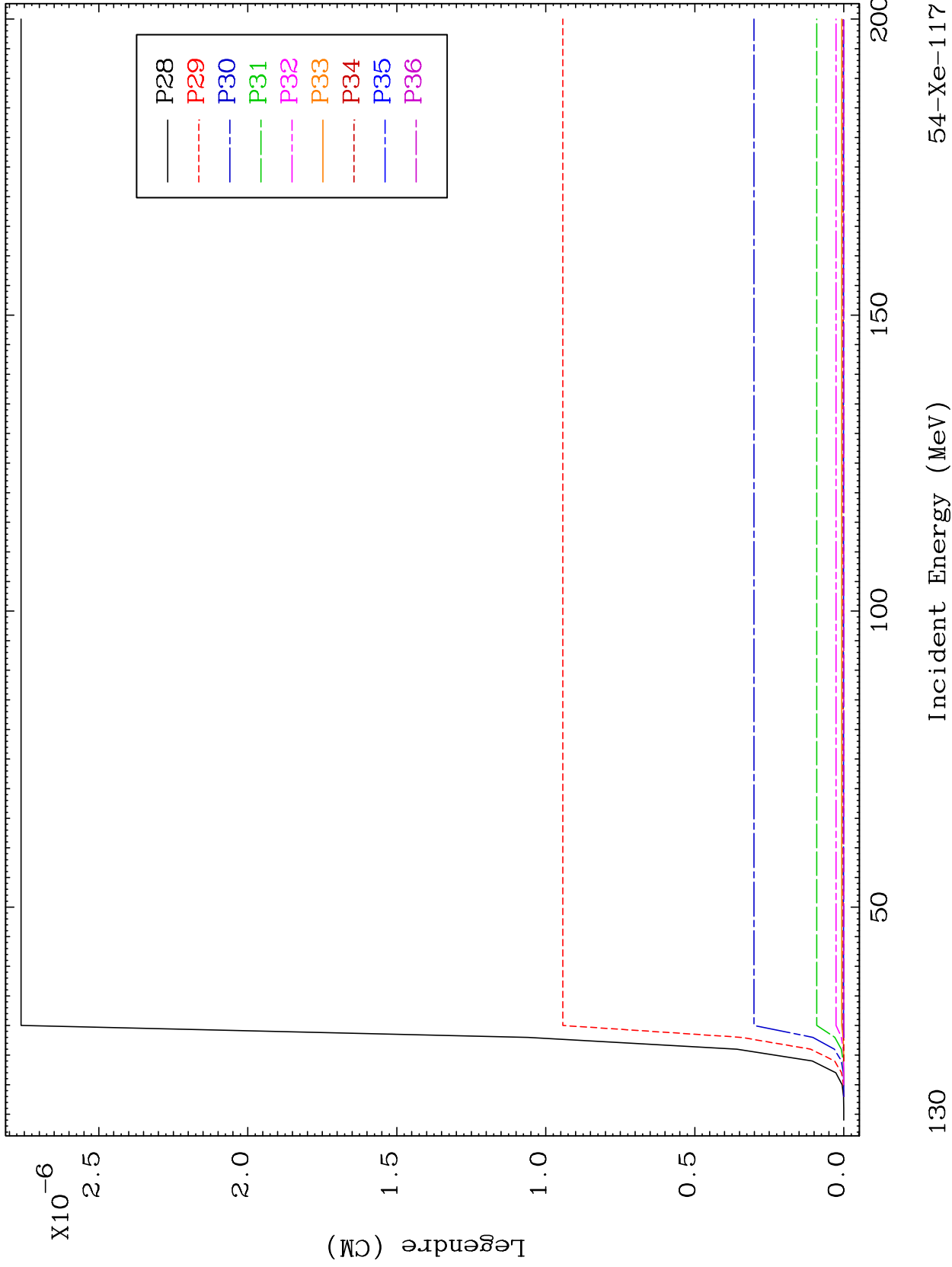
Incident Energy (MeV)

54-Xe-117

MAT 5404

978.4 keV (n,n') Level  
Legendre Coefficients

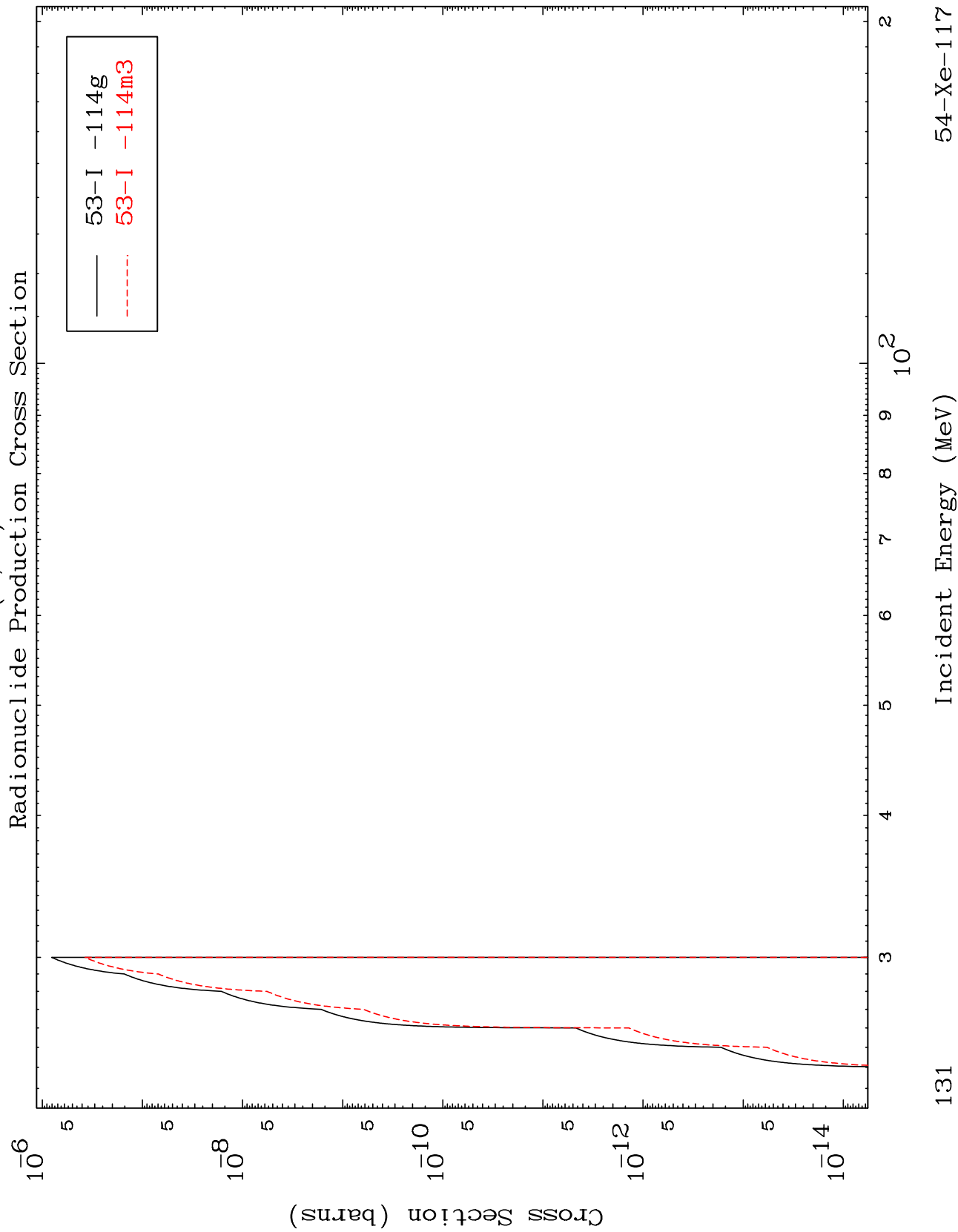
54-Xe-117



MAT 5404

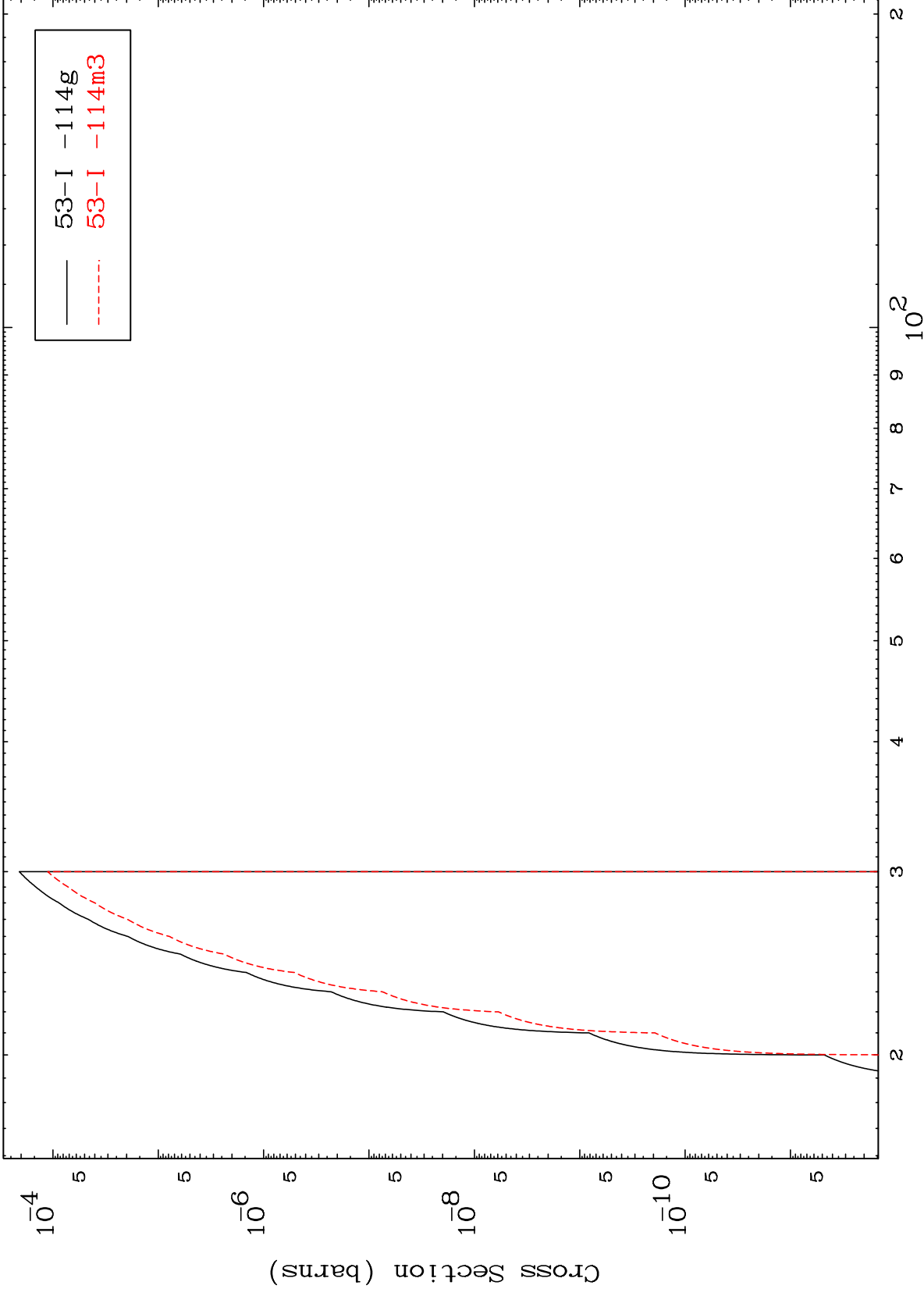
(n,2n) d

54-Xe-117

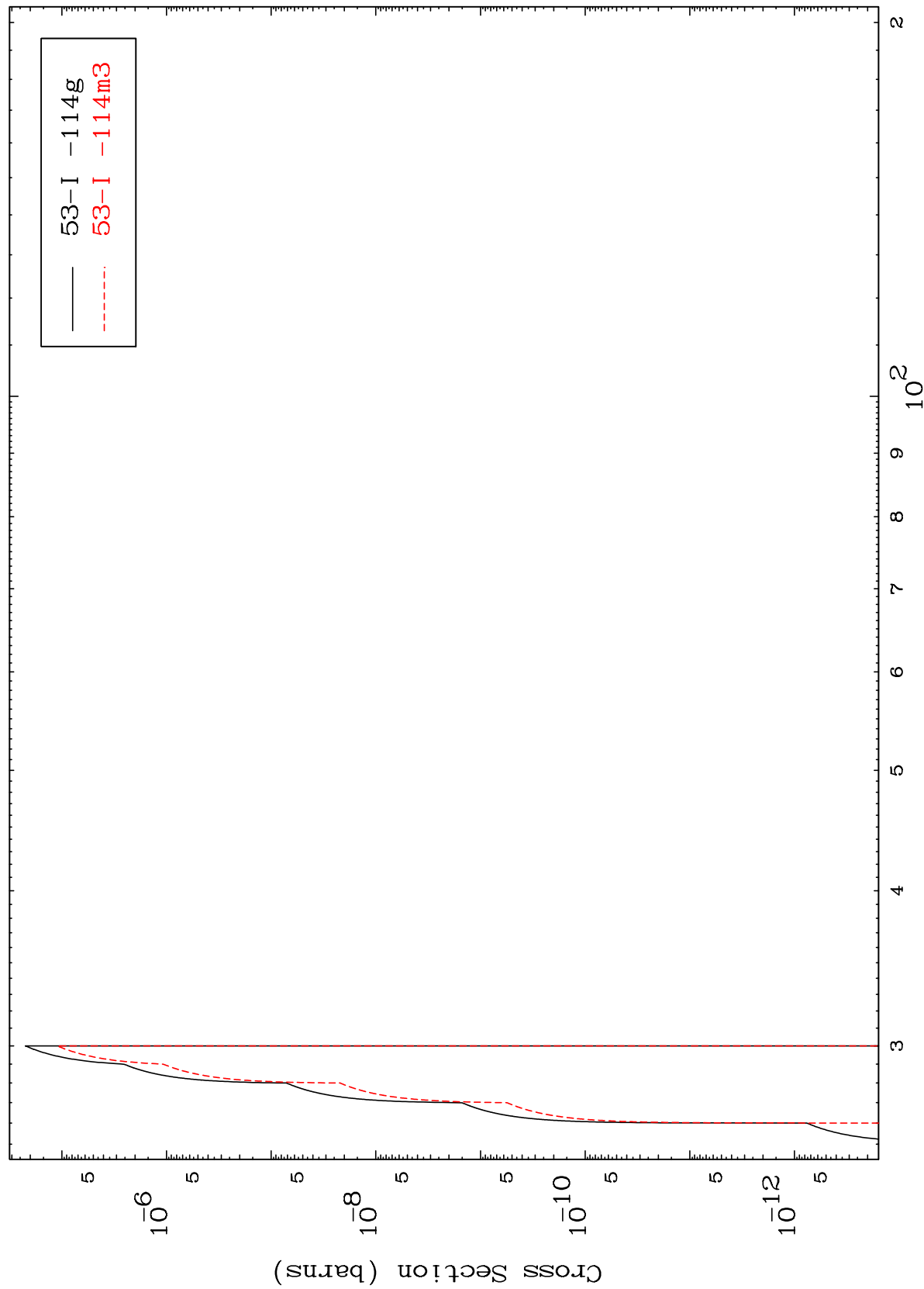


131

Radionuclide Production Cross Section



Radionuclide Production Cross Section

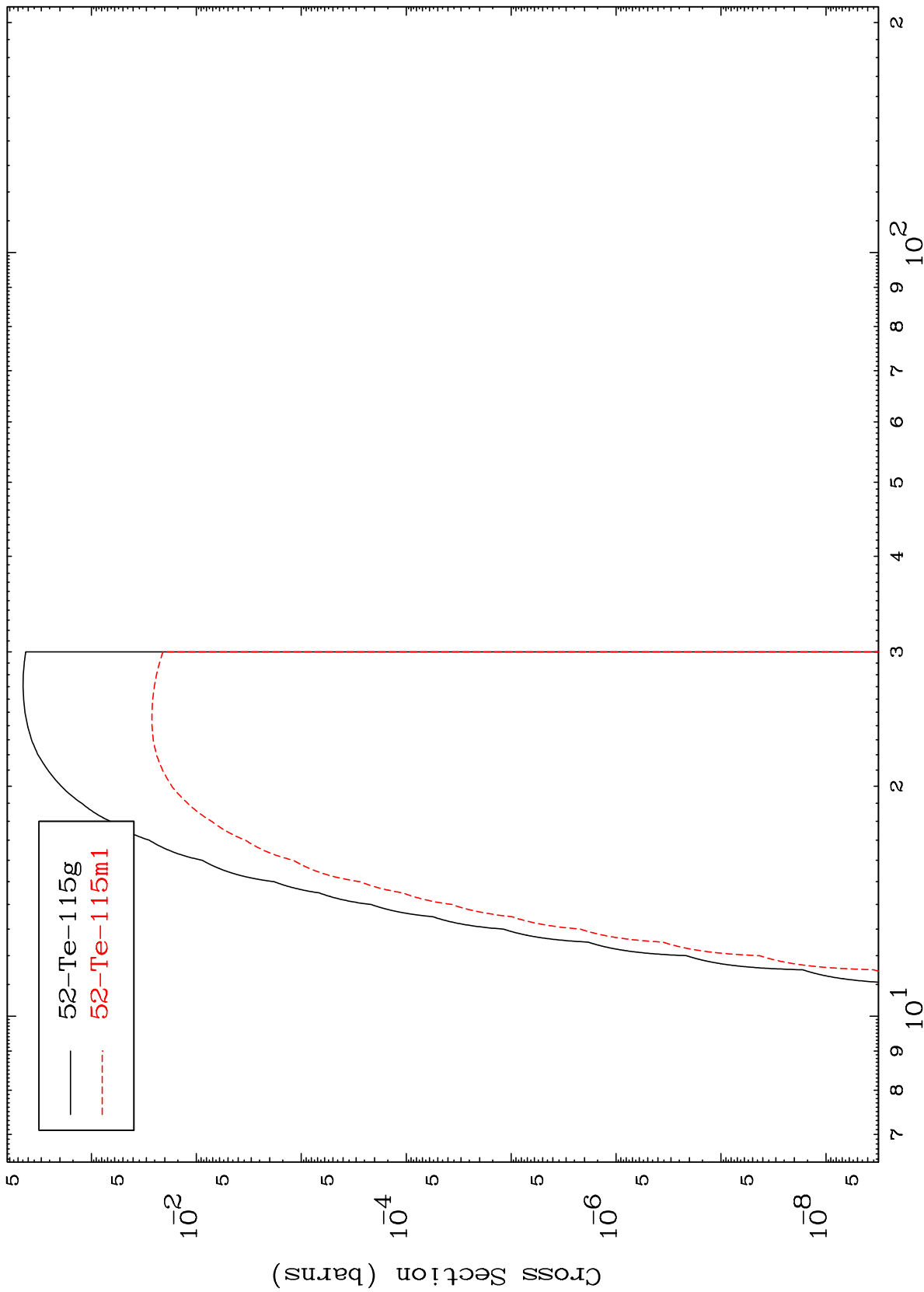


MAT 5404

(n,2n) p

54-Xe-117

Radionuclide Production Cross Section



134

Incident Energy (MeV)

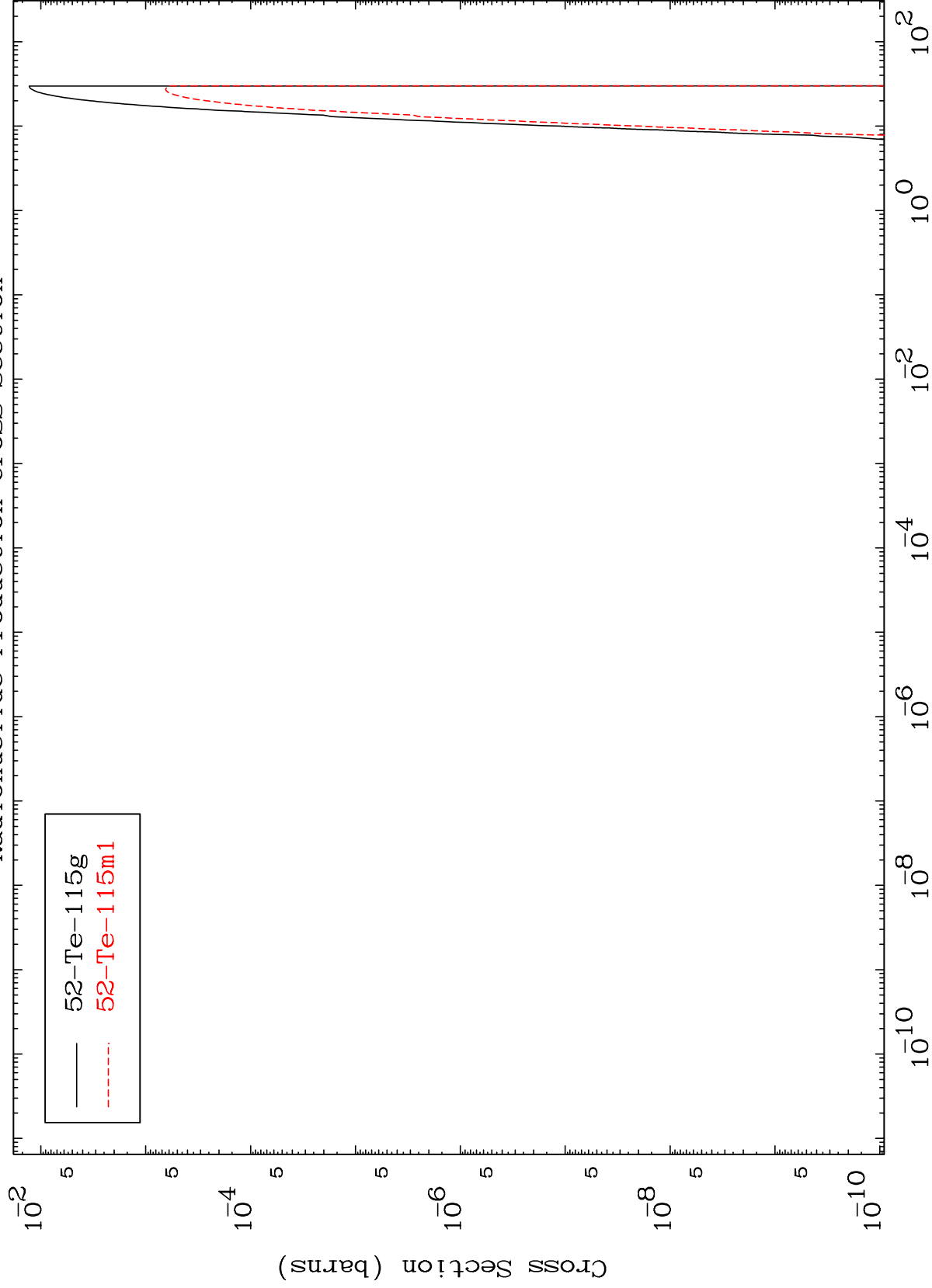
54-Xe-117

MAT 5404

(n,He-3)

54-Xe-117

Radionuclide Production Cross Section



135

Incident Energy (MeV)

54-Xe-117

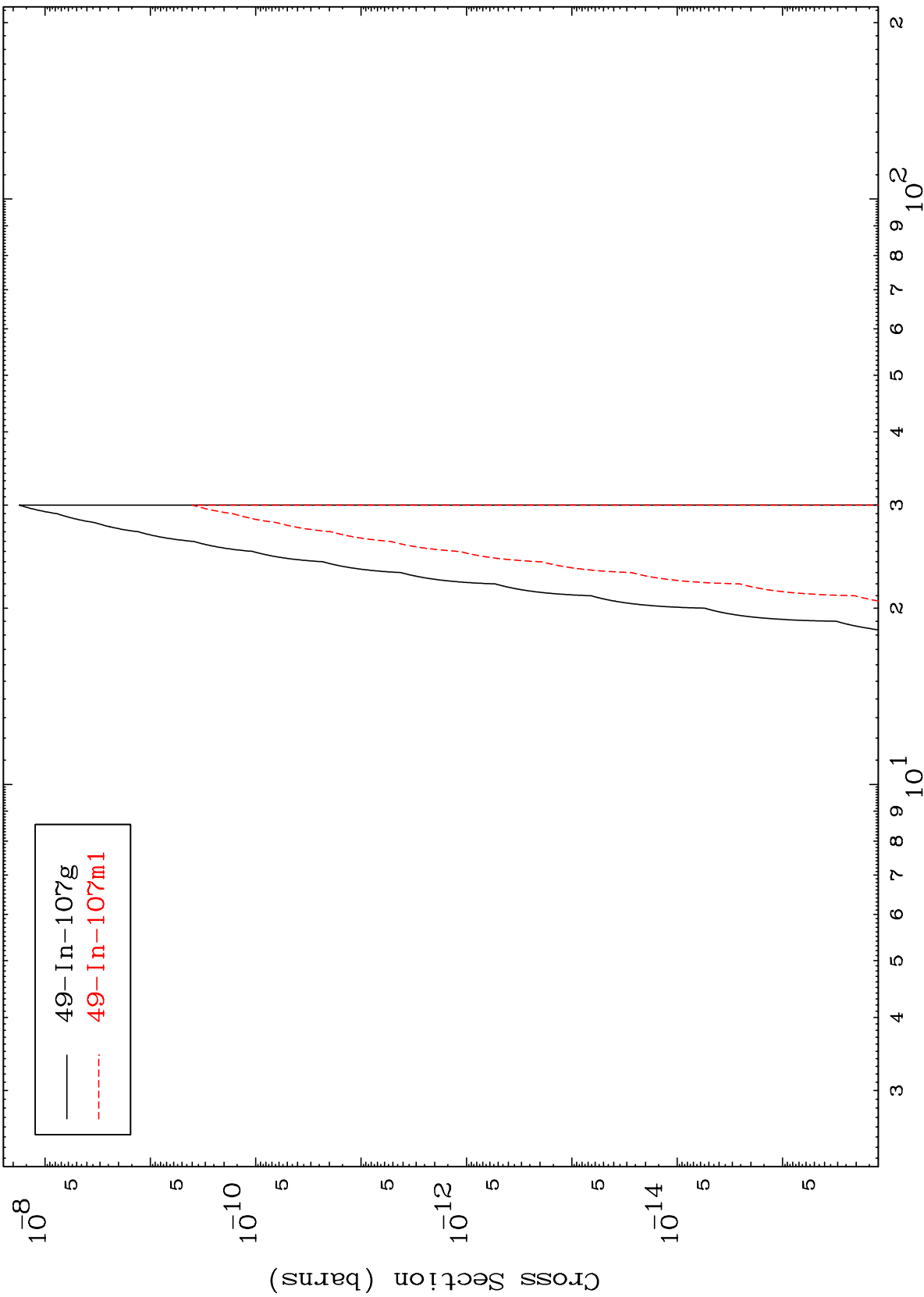


MAT 5404

(n,t) 2 $\alpha$

54-Xe-117

Radionuclide Production Cross Section



136

Incident Energy (MeV)

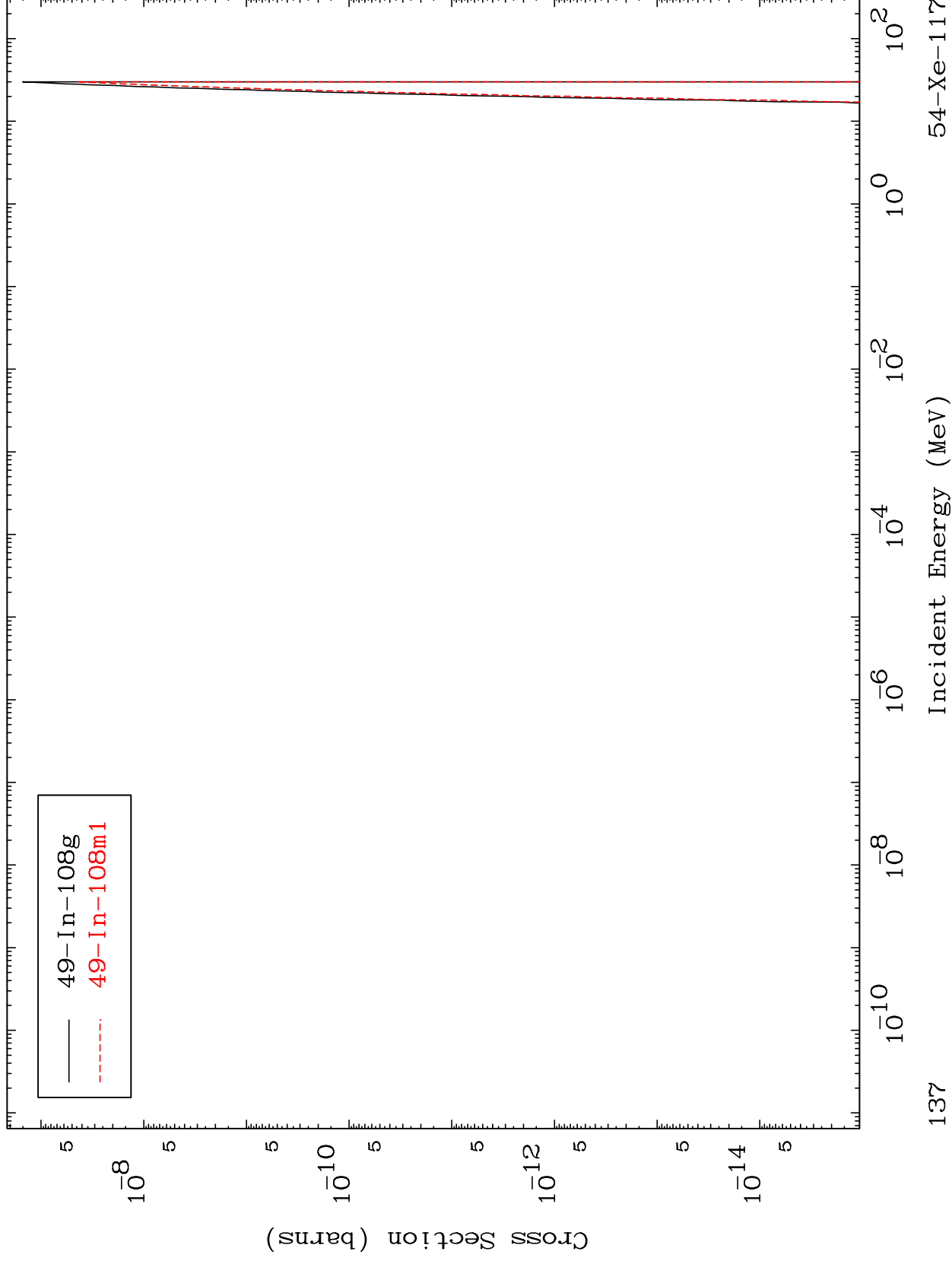
54-Xe-117

MAT 5404

(n,d) 2 $\alpha$

54-Xe-117

Radionuclide Production Cross Section

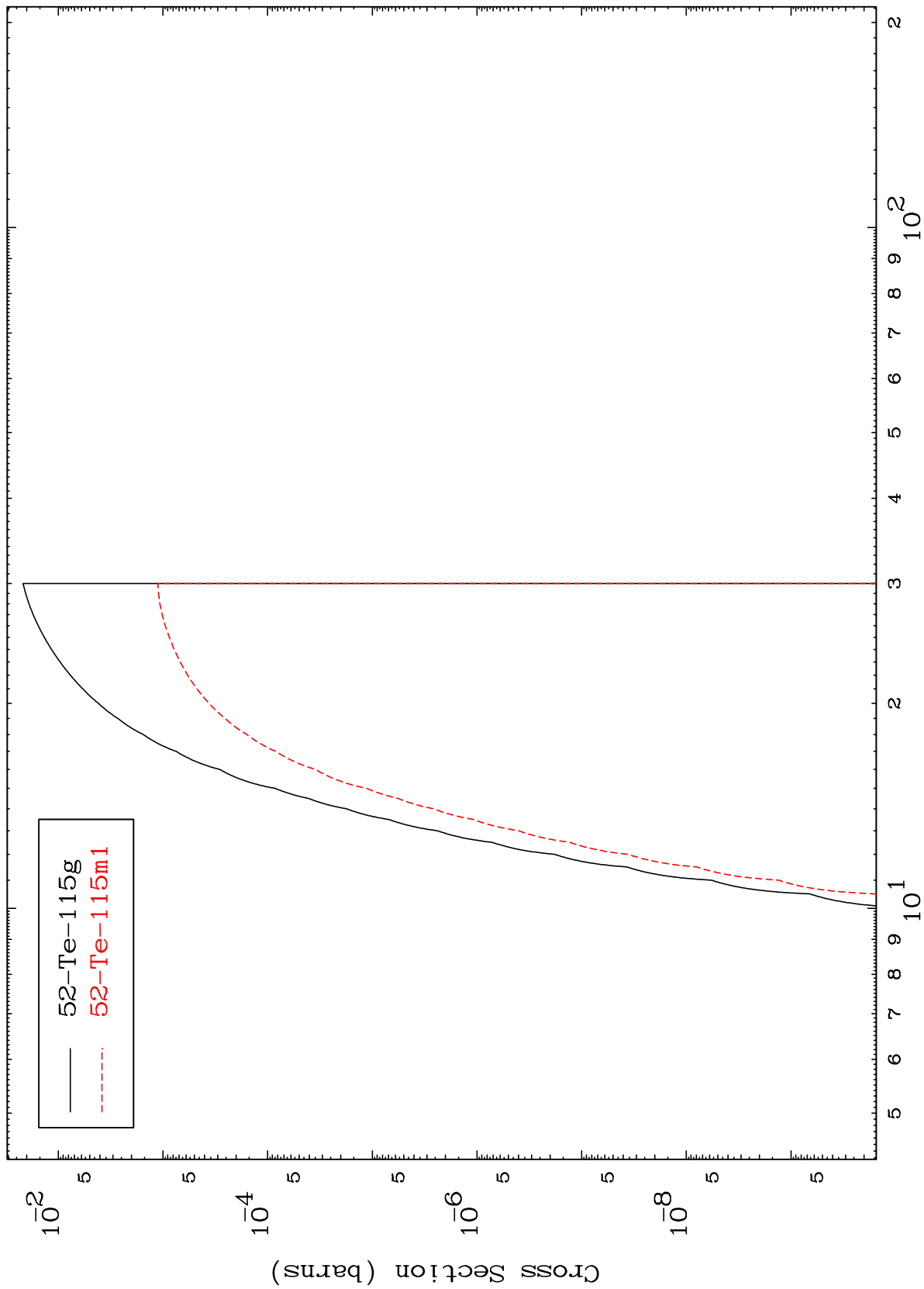


MAT 5404

(n,p) d

54-Xe-117

Radionuclide Production Cross Section



52-Te-115g  
52-Te-115m1

138

Incident Energy (MeV)

54-Xe-117