

Program EVALPLOT  
(Version 2017-1)

by

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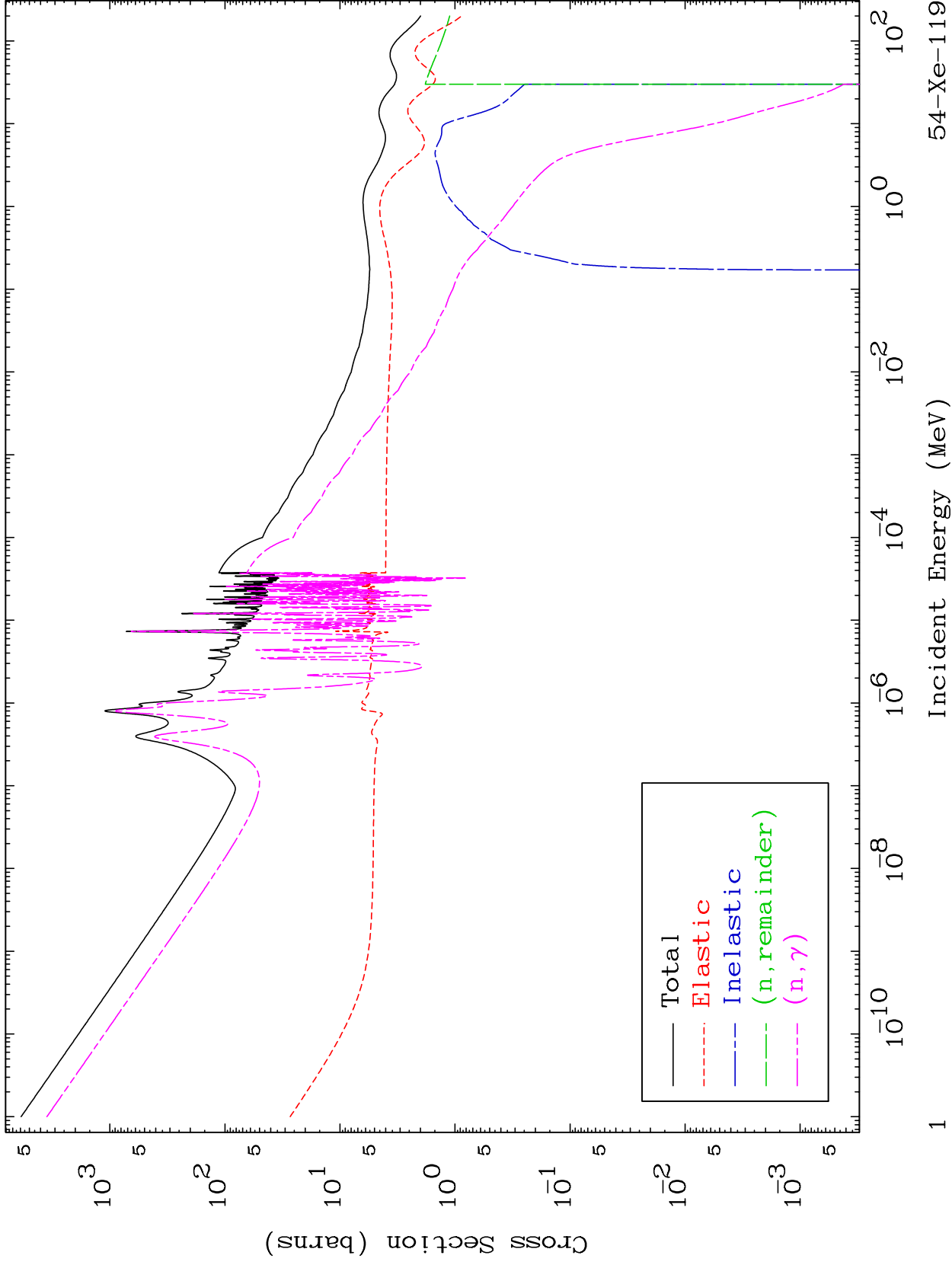
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5410

Major  
293 Kelvin Cross Sections

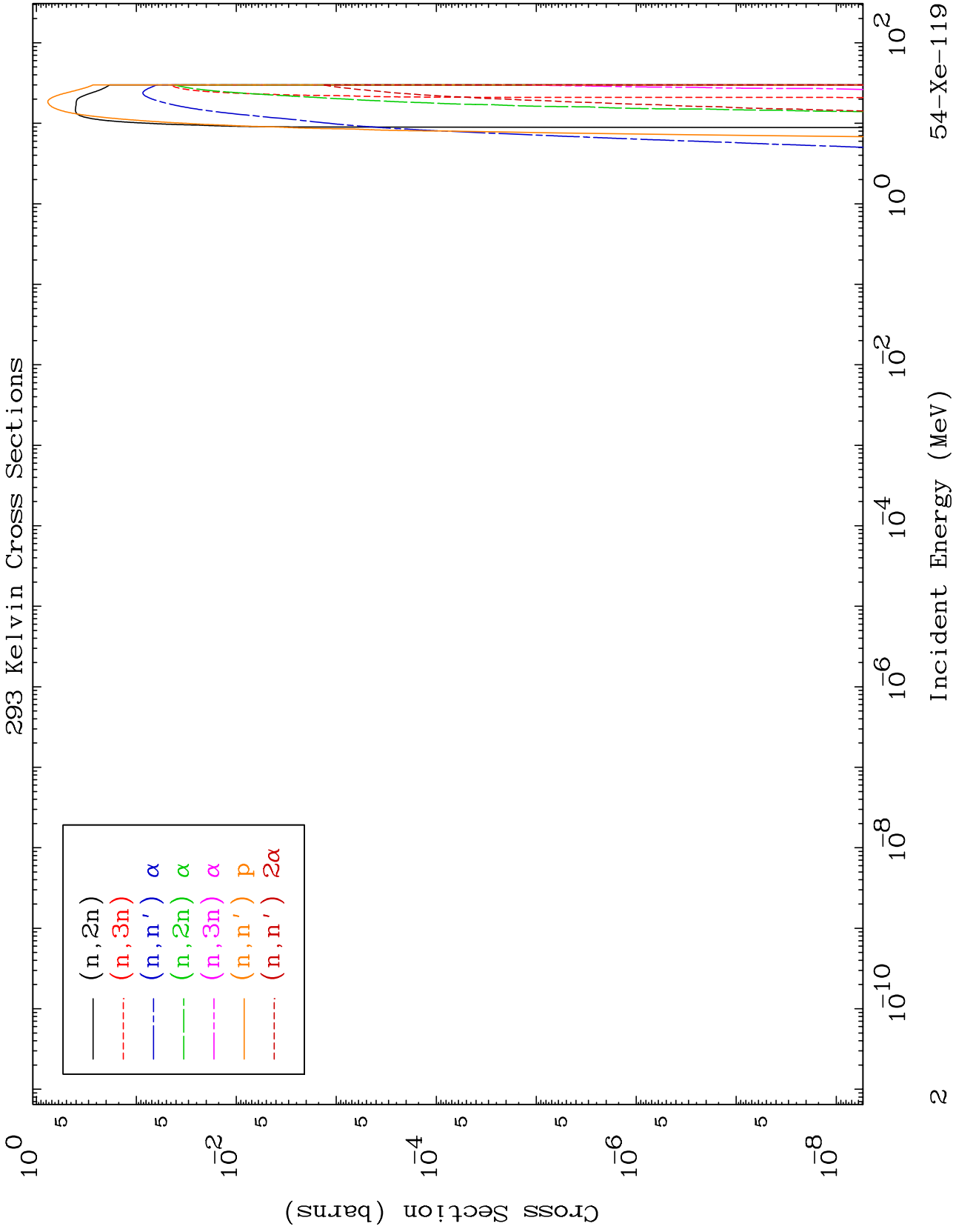
54-Xe-119



MAT 5410

Neutron Production  
293 Kelvin Cross Sections

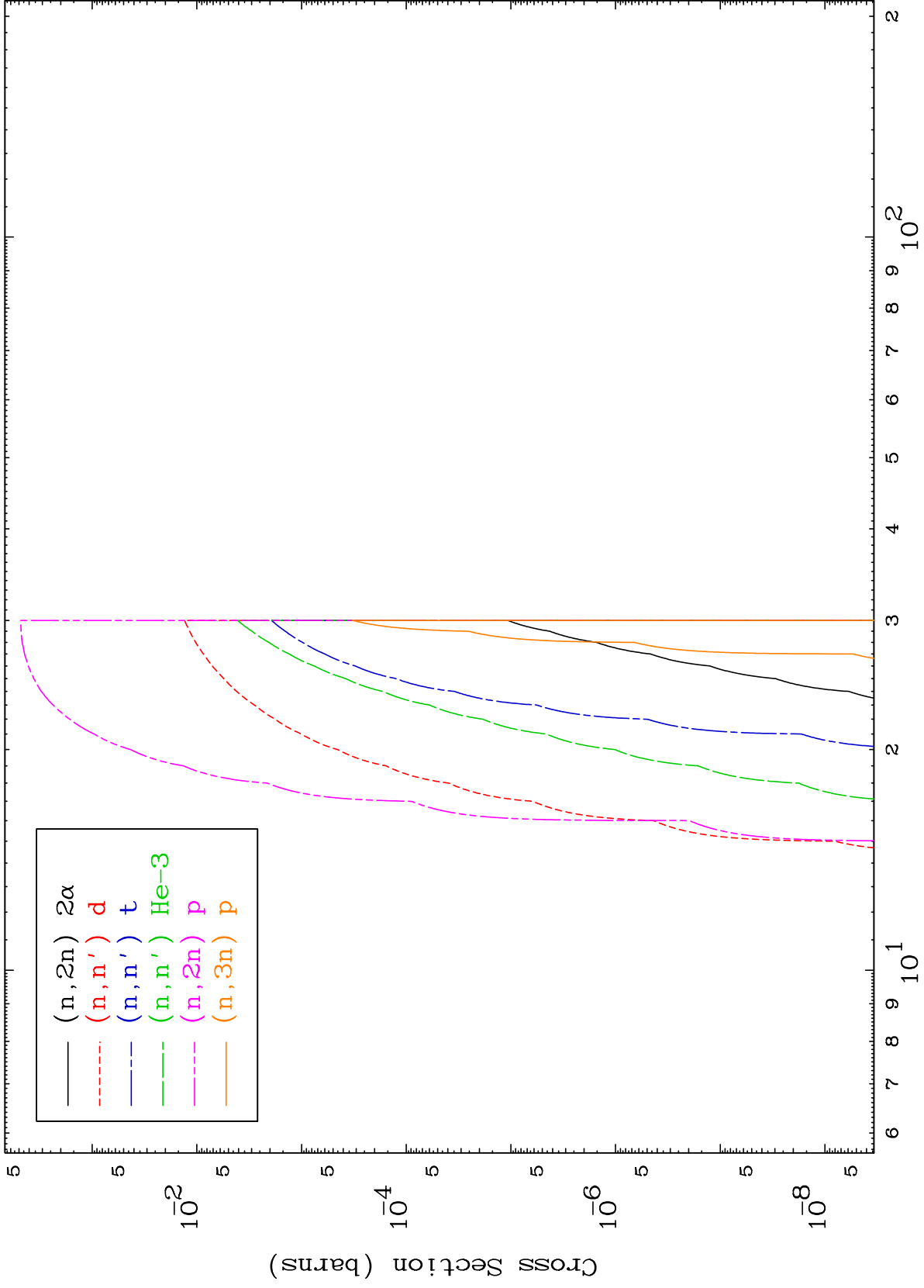
54-Xe-119



MAT 5410

Neutron Production  
293 Kelvin Cross Sections

54-Xe-119



3

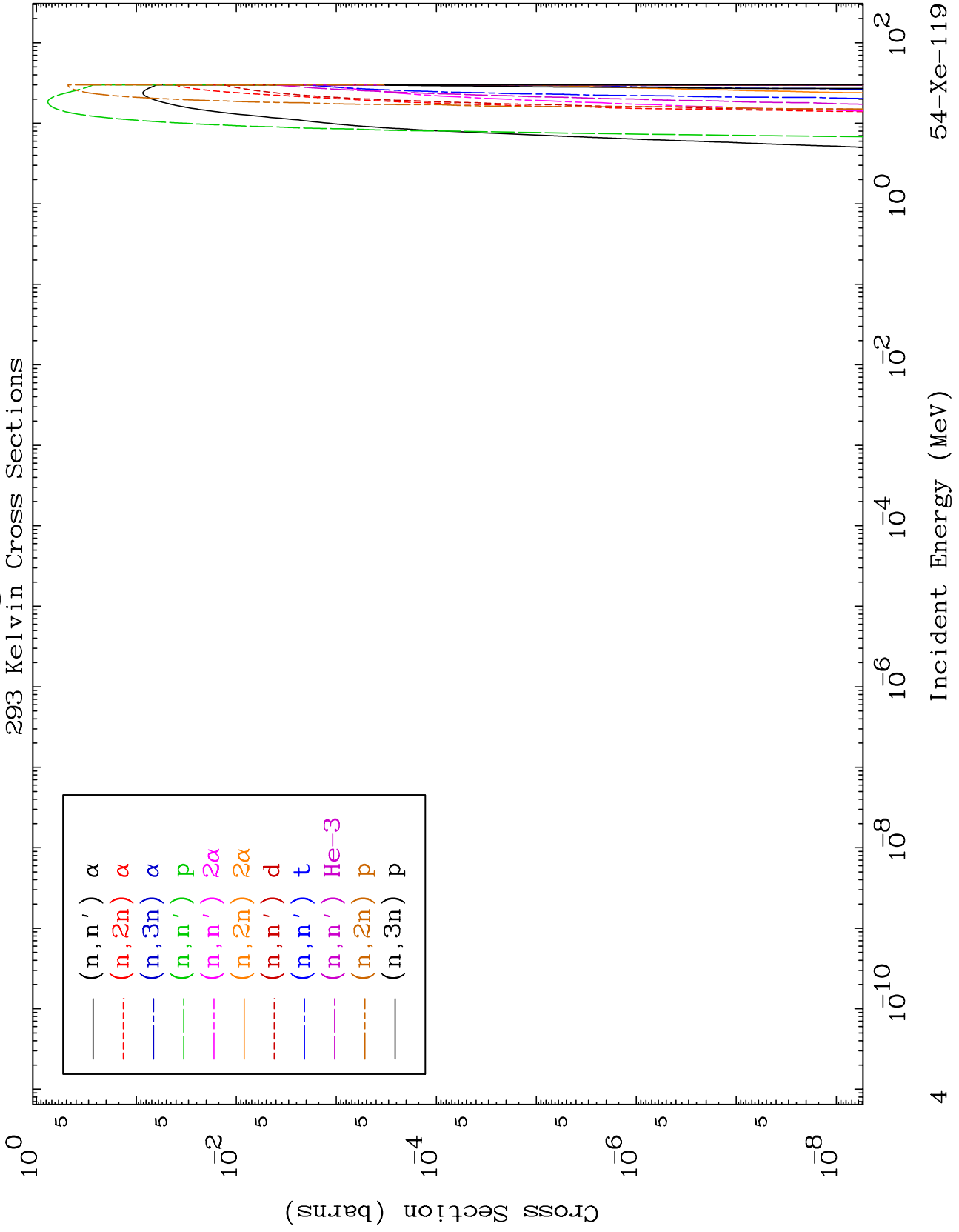
Incident Energy (MeV)

54-Xe-119

MAT 5410

Charged Particle  
293 Kelvin Cross Sections

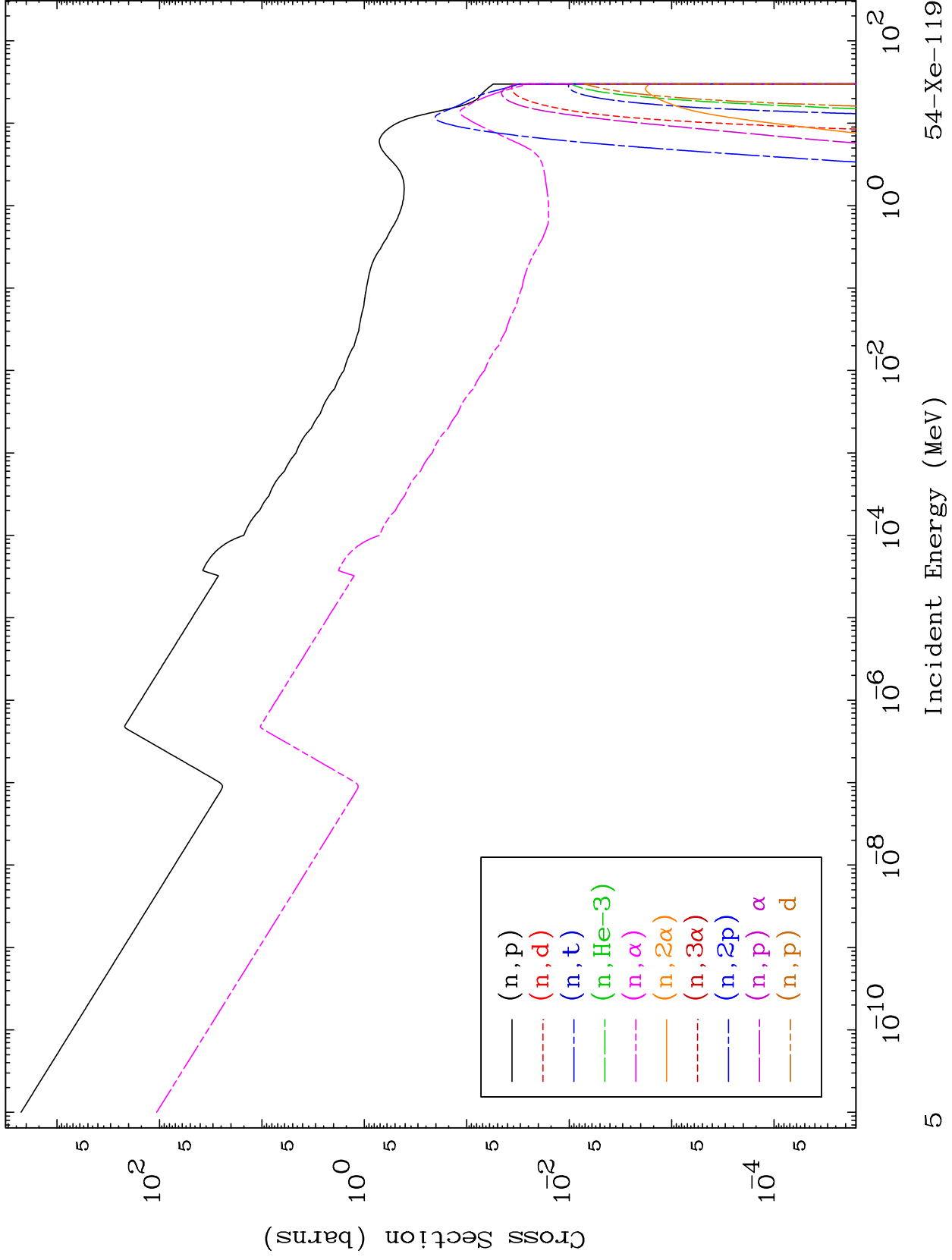
54-Xe-119

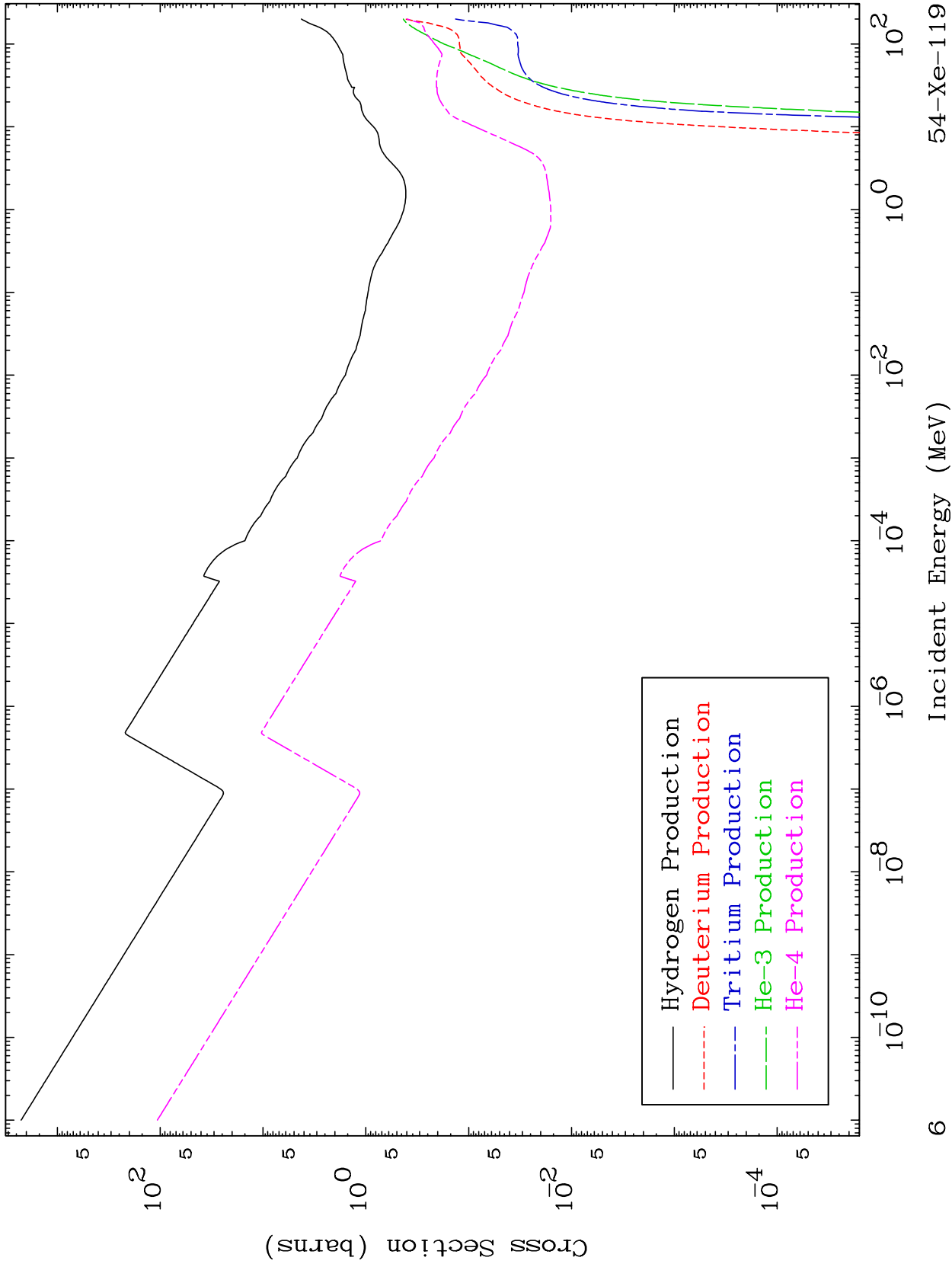


MAT 5410

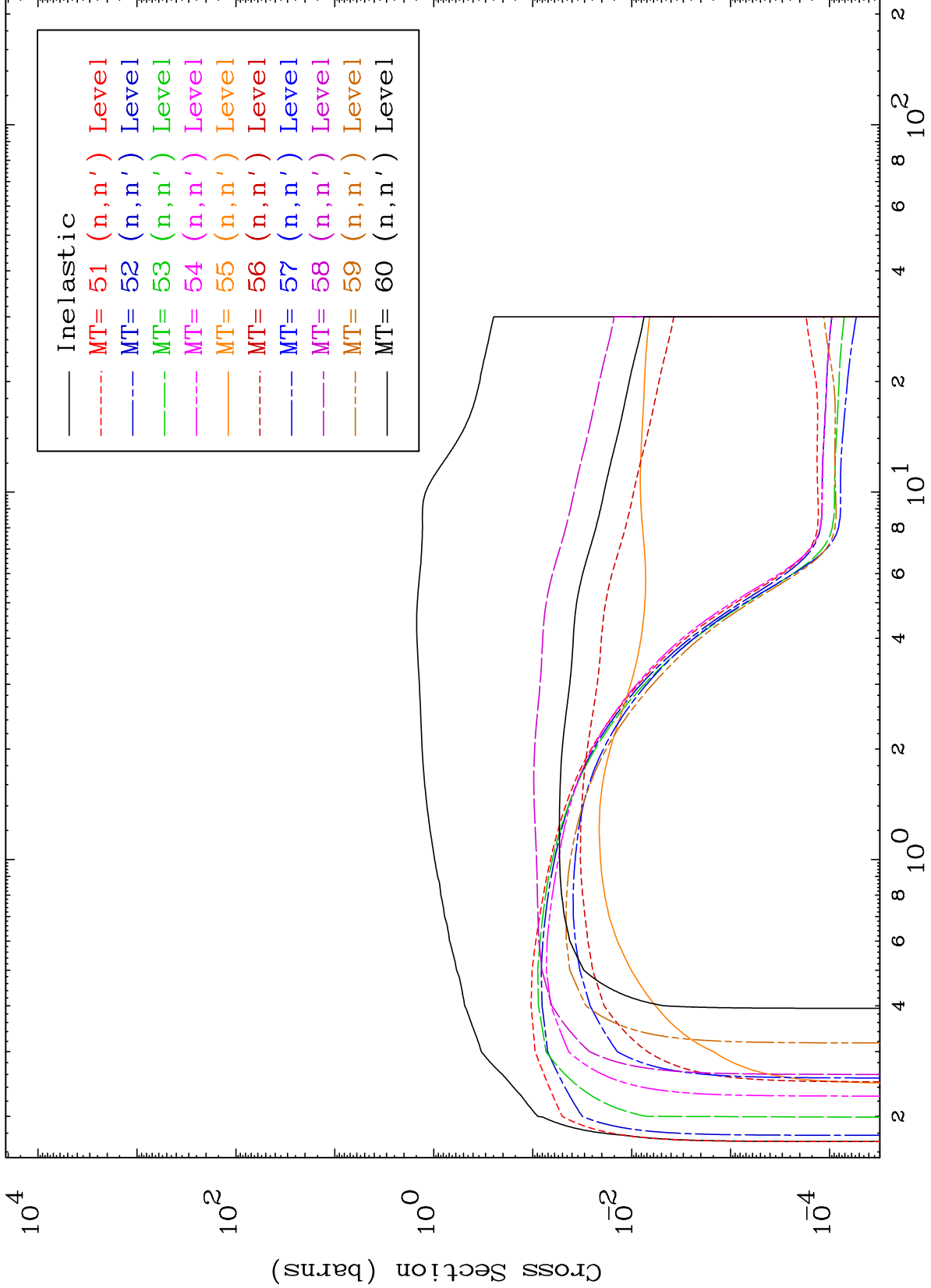
Charged Particle  
293 Kelvin Cross Sections

54-Xe-119





293 Kelvin Cross Sections



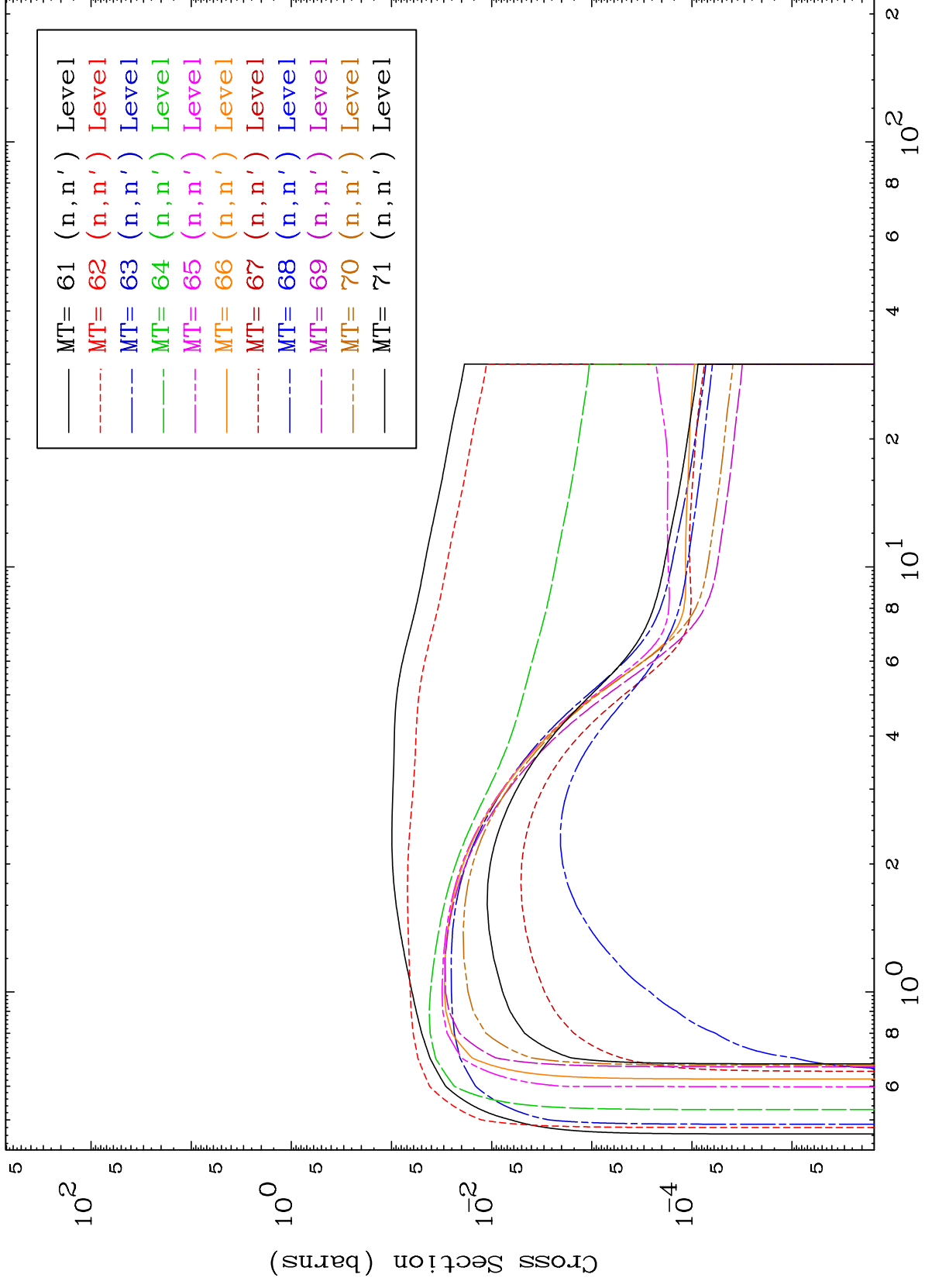


MAT 5410

(n,n') Level

54-Xe-119

293 Kelvin Cross Sections

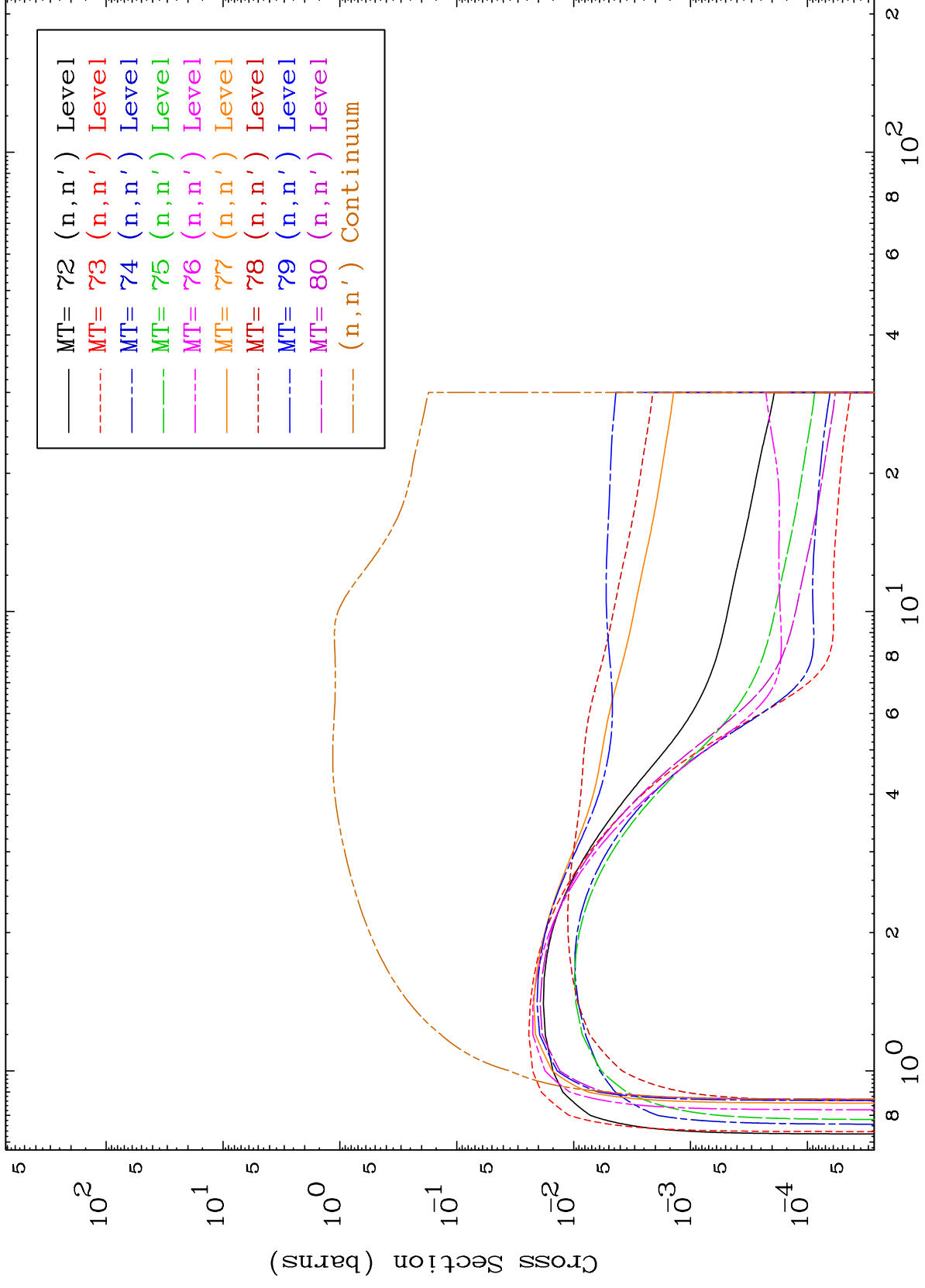


8

Incident Energy (MeV)

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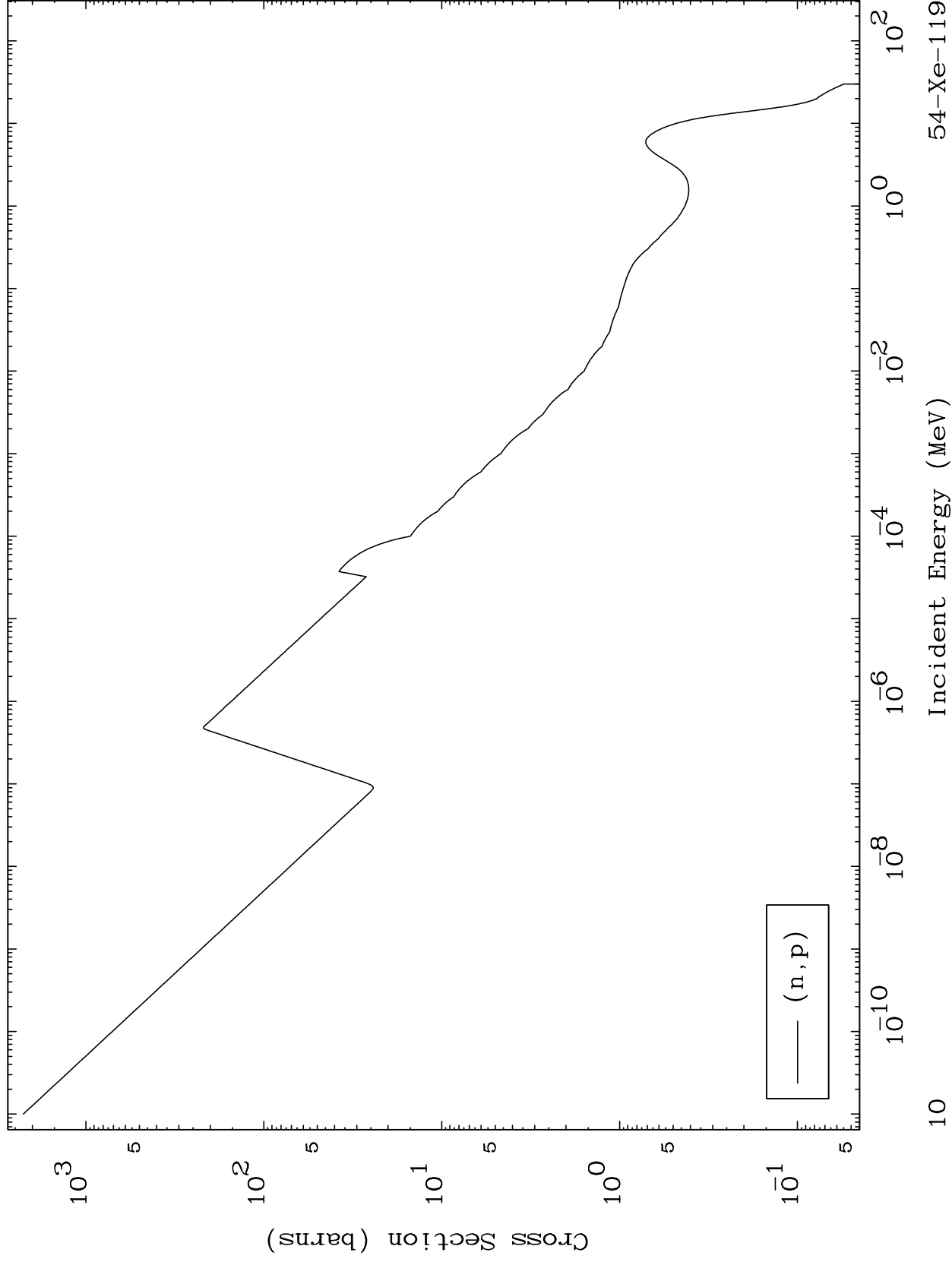
293 Kelvin Cross Sections



MAT 5410

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-119



54-Xe-119

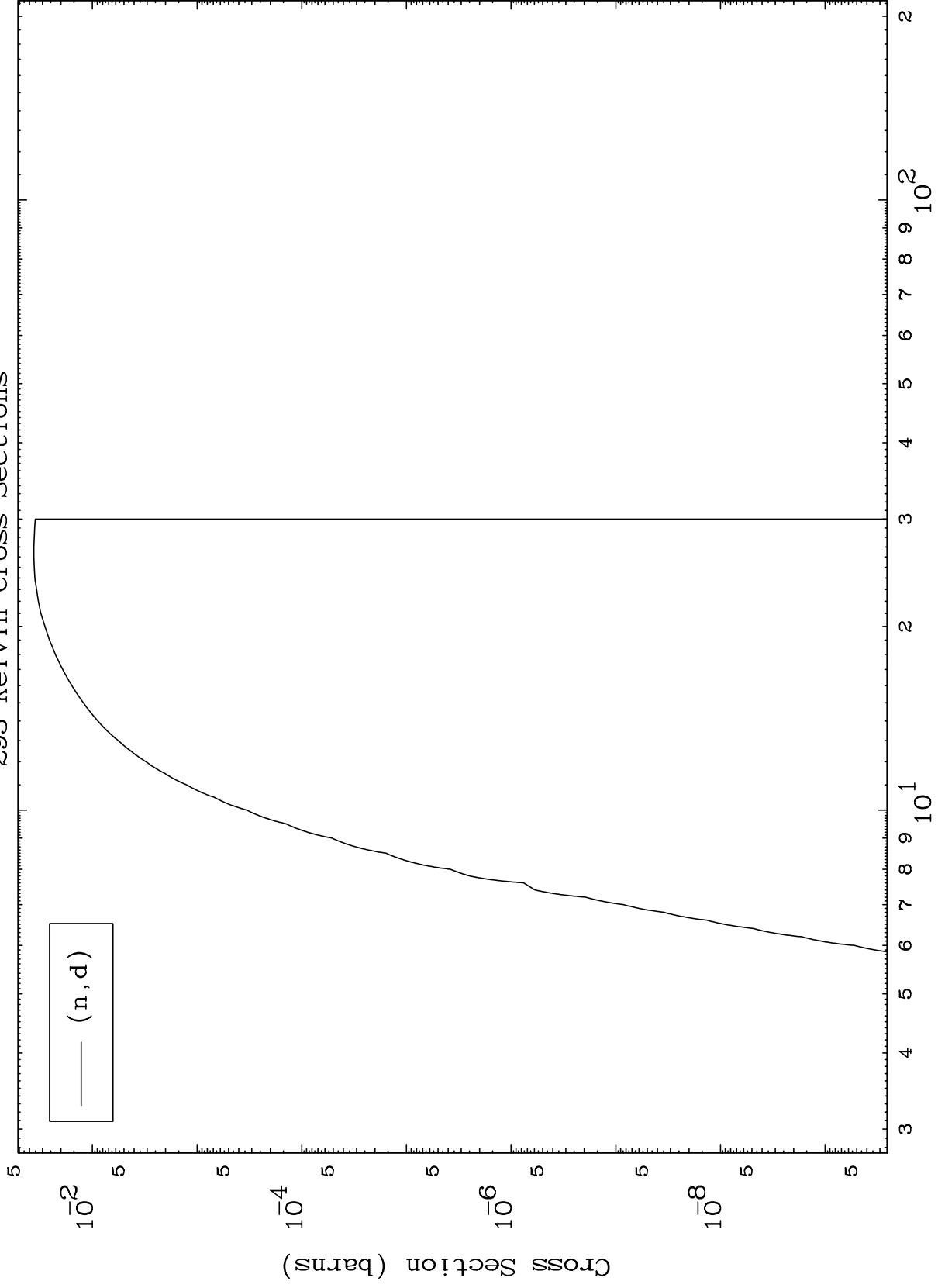
Incident Energy (MeV)

10

MAT 5410

(n,d) Levels  
293 Kelvin Cross Sections

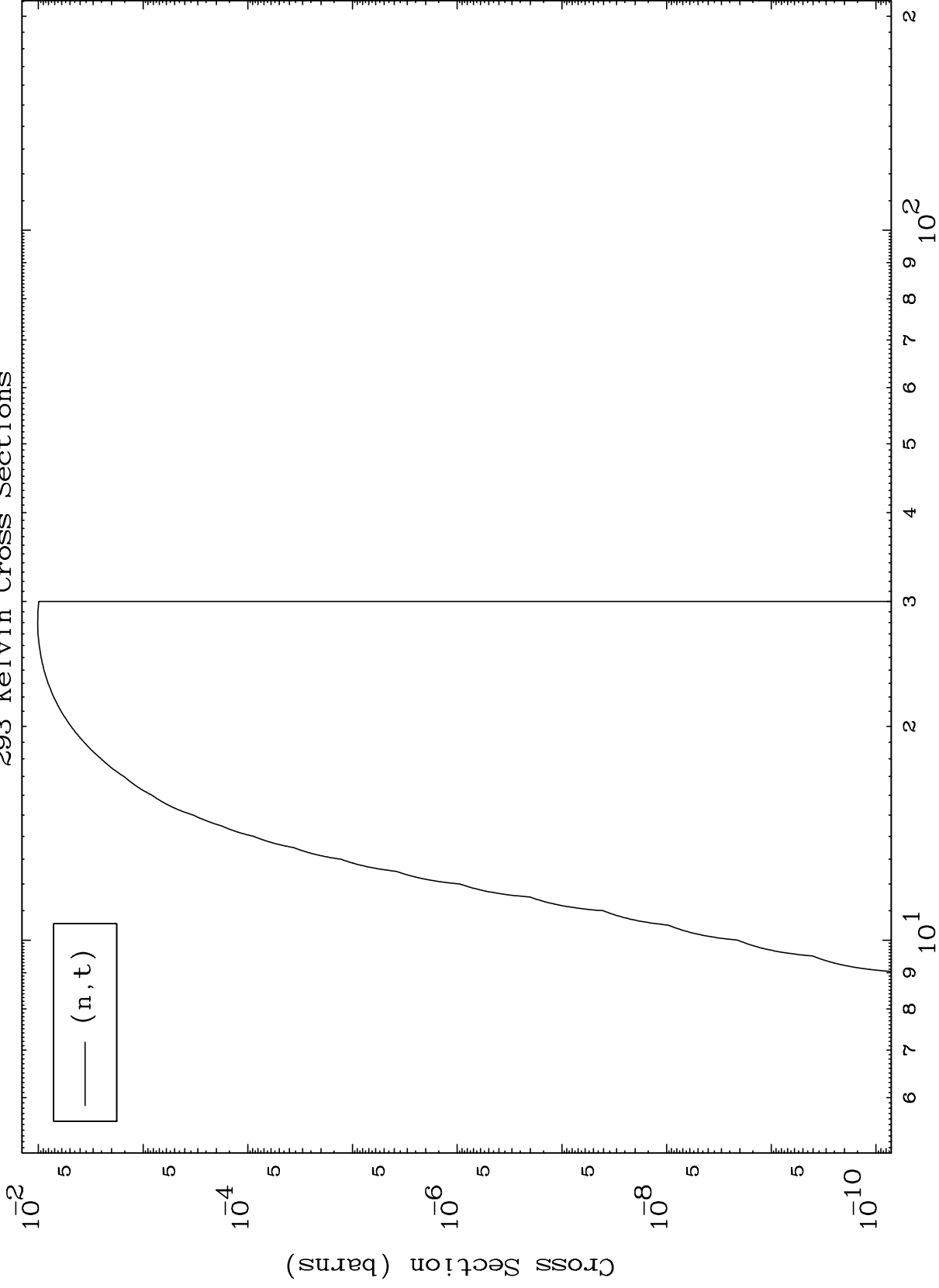
54-Xe-119



MAT 5410

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-119



12

Incident Energy (MeV)

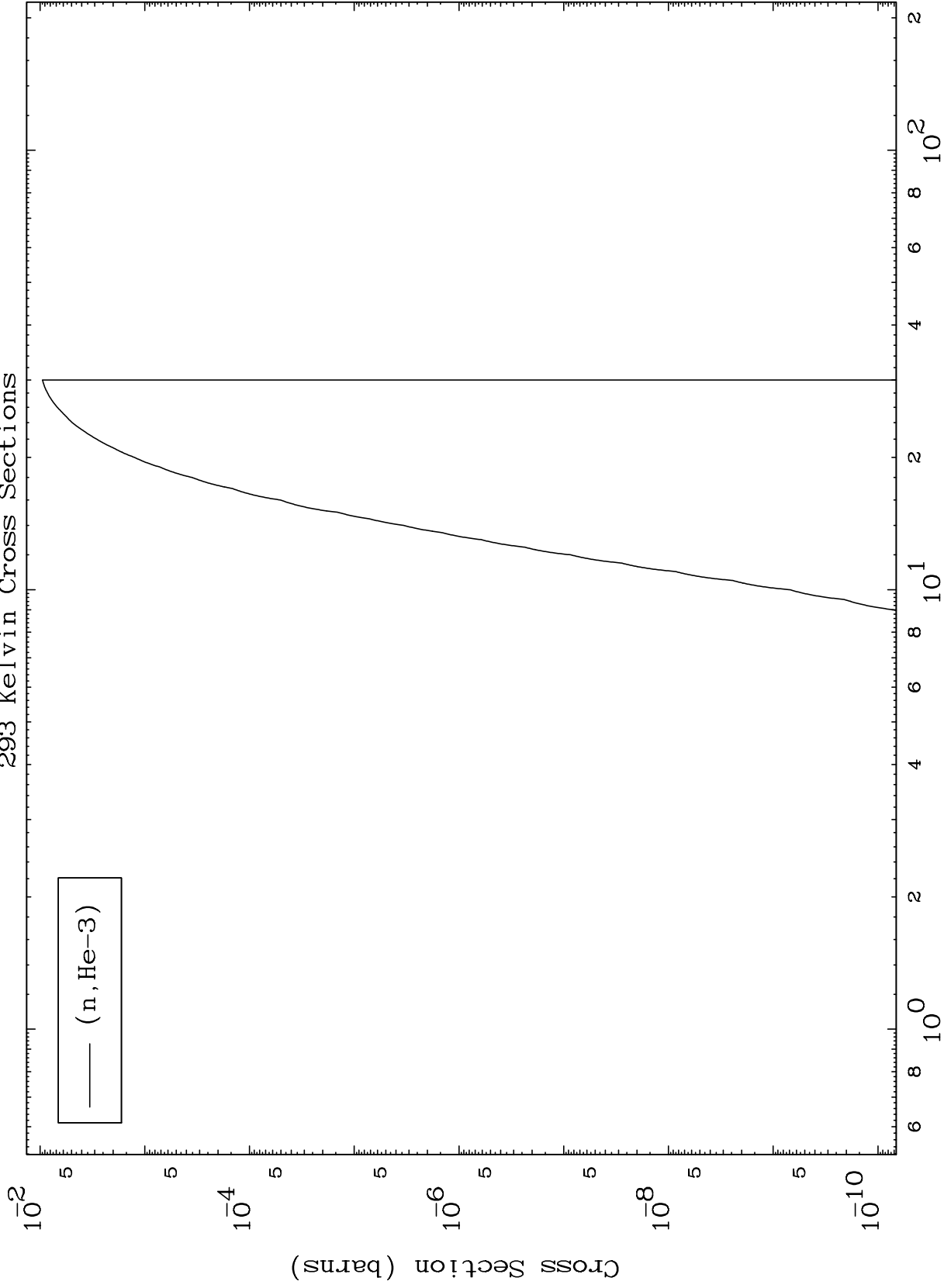
54-Xe-119

MAT 5410

(n,He3) Levels

54-Xe-119

293 Kelvin Cross Sections



13

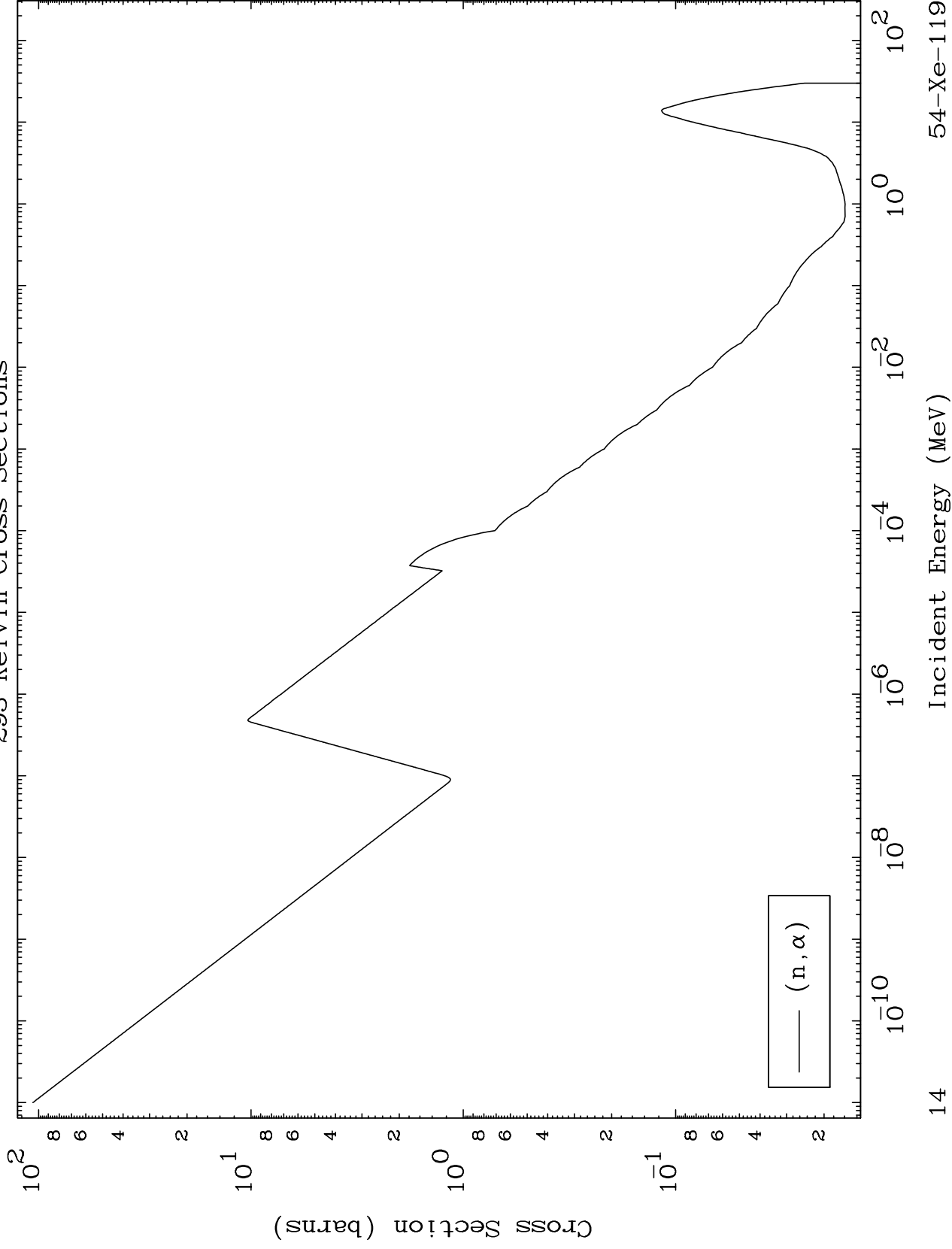
Incident Energy (MeV)

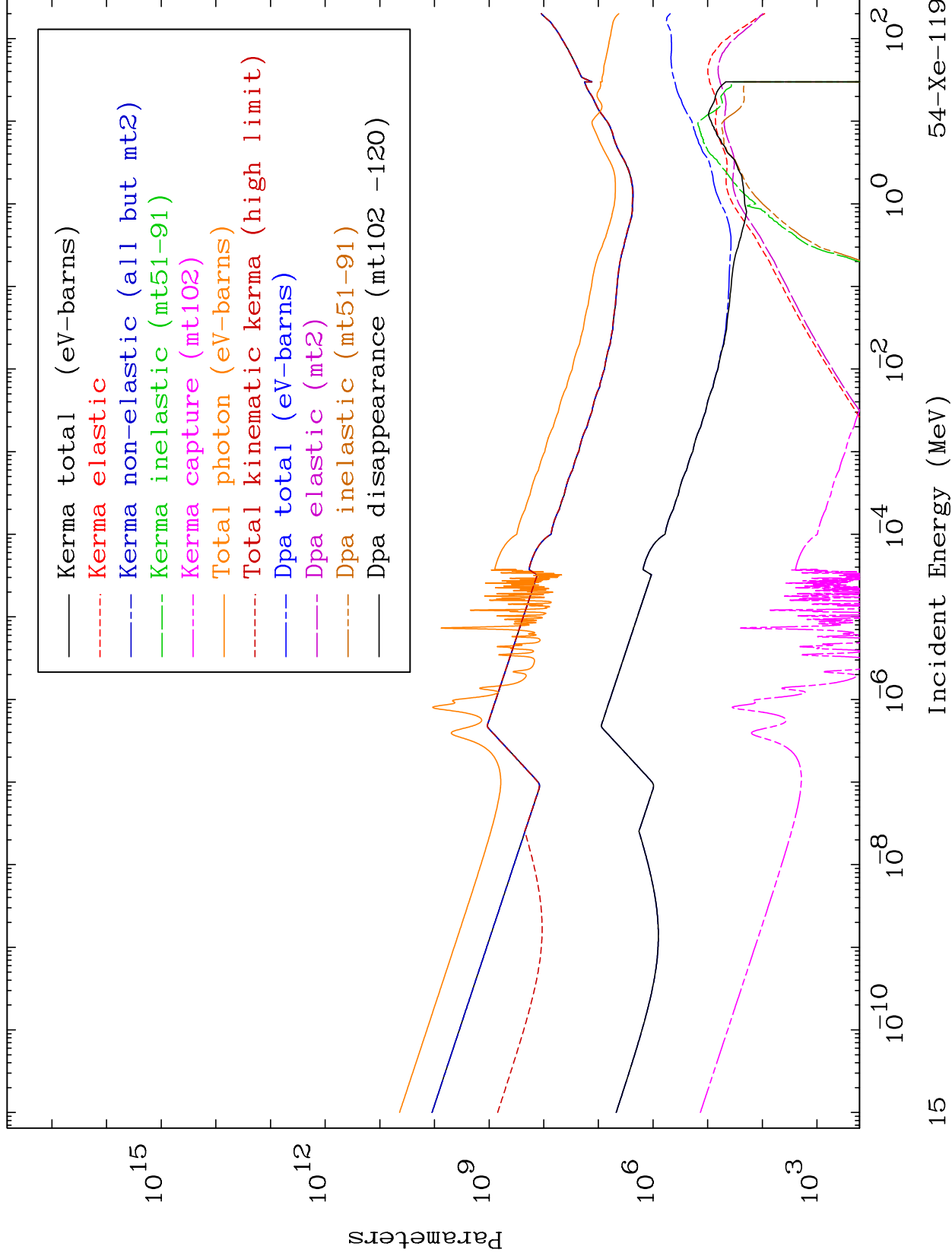
54-Xe-119

MAT 5410

(n,α) Levels  
293 Kelvin Cross Sections

54-Xe-119



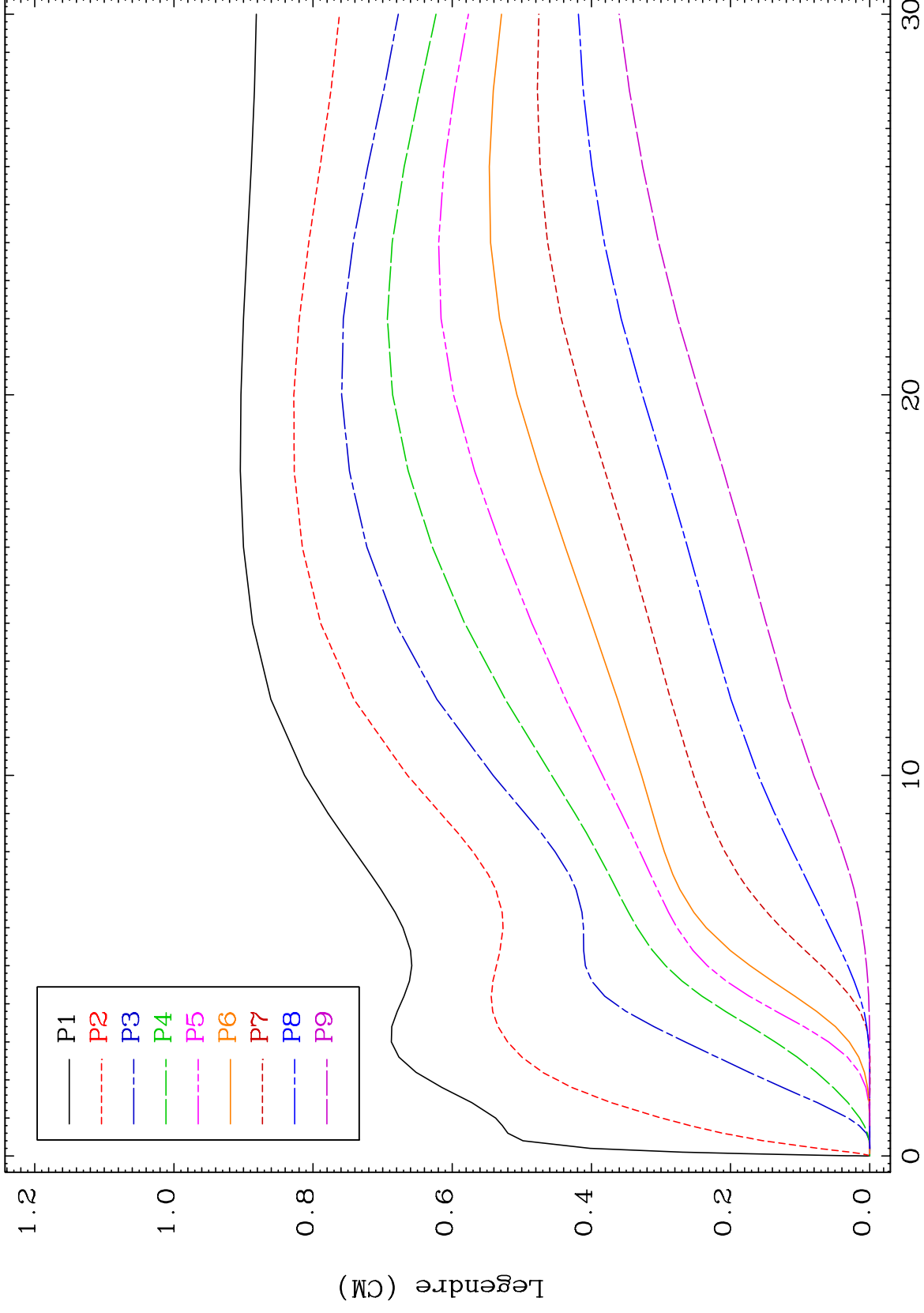




MAT 5410

Elastic Legendre Coefficients

54-Xe-119



16

Incident Energy (MeV)

54-Xe-119

30

20

10

0

1.2

1.0

0.8

0.6

0.4

0.2

0.0

P1

P2

P3

P4

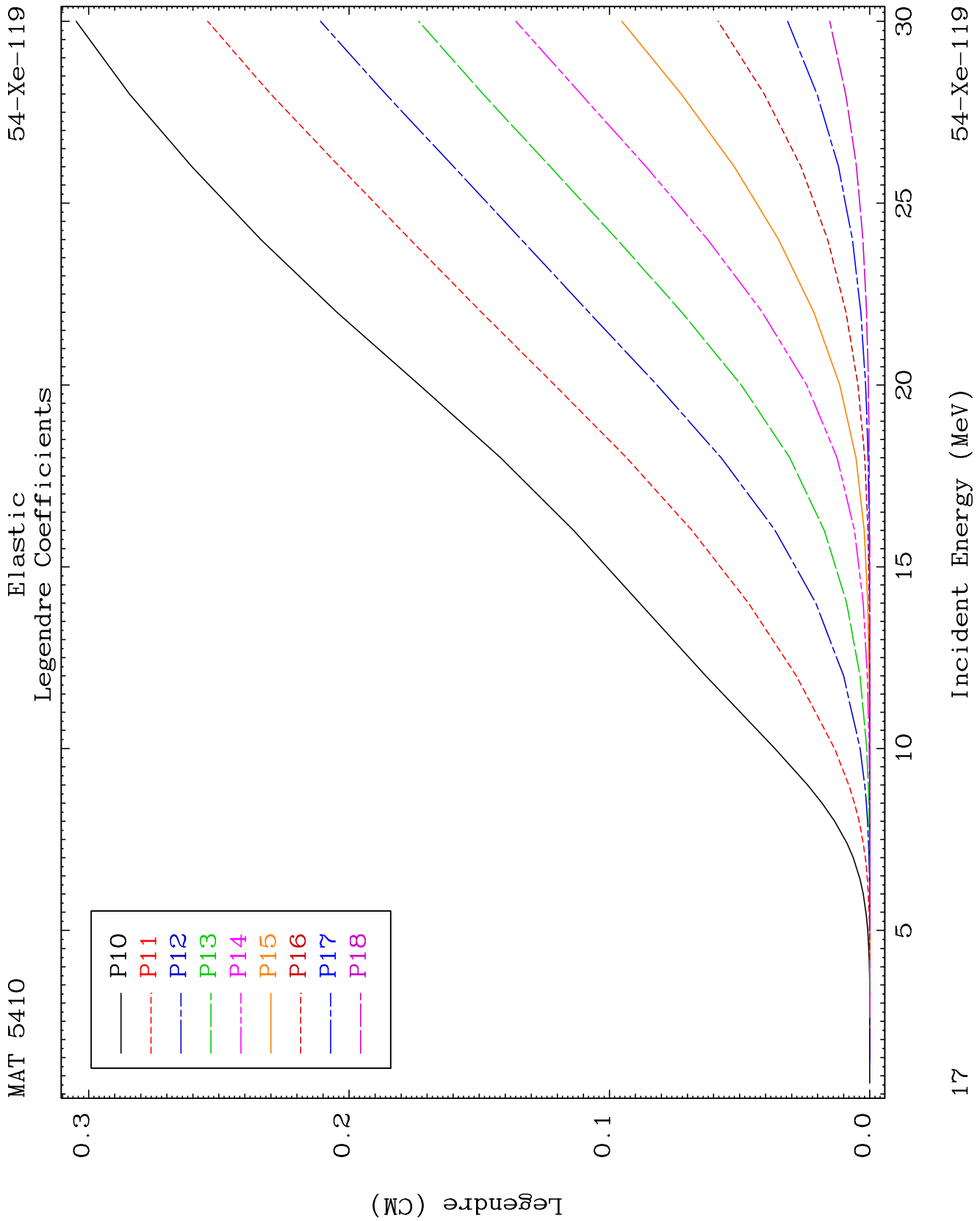
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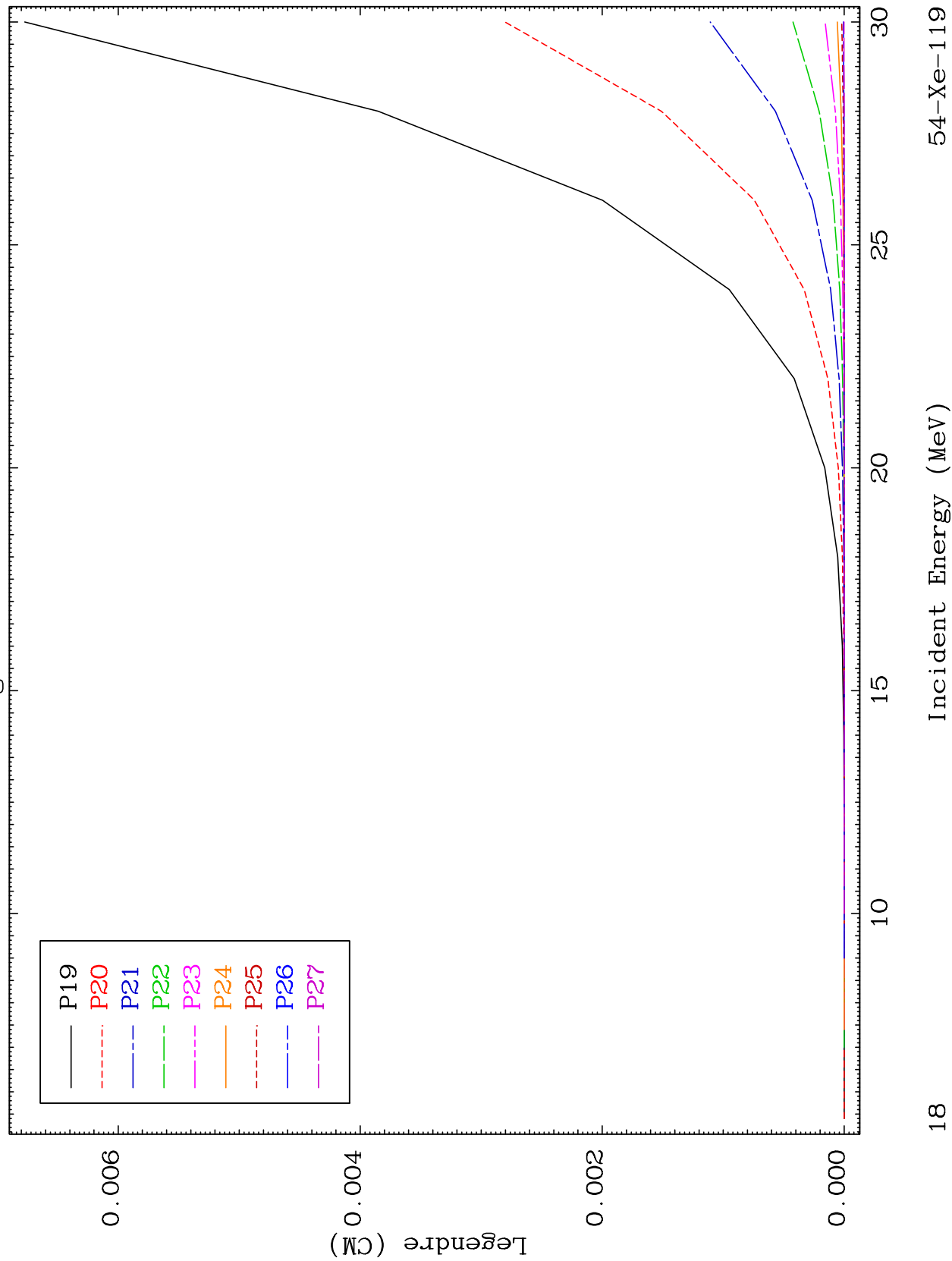
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MAT 5410

Elastic Legendre Coefficients

54-Xe-119



18

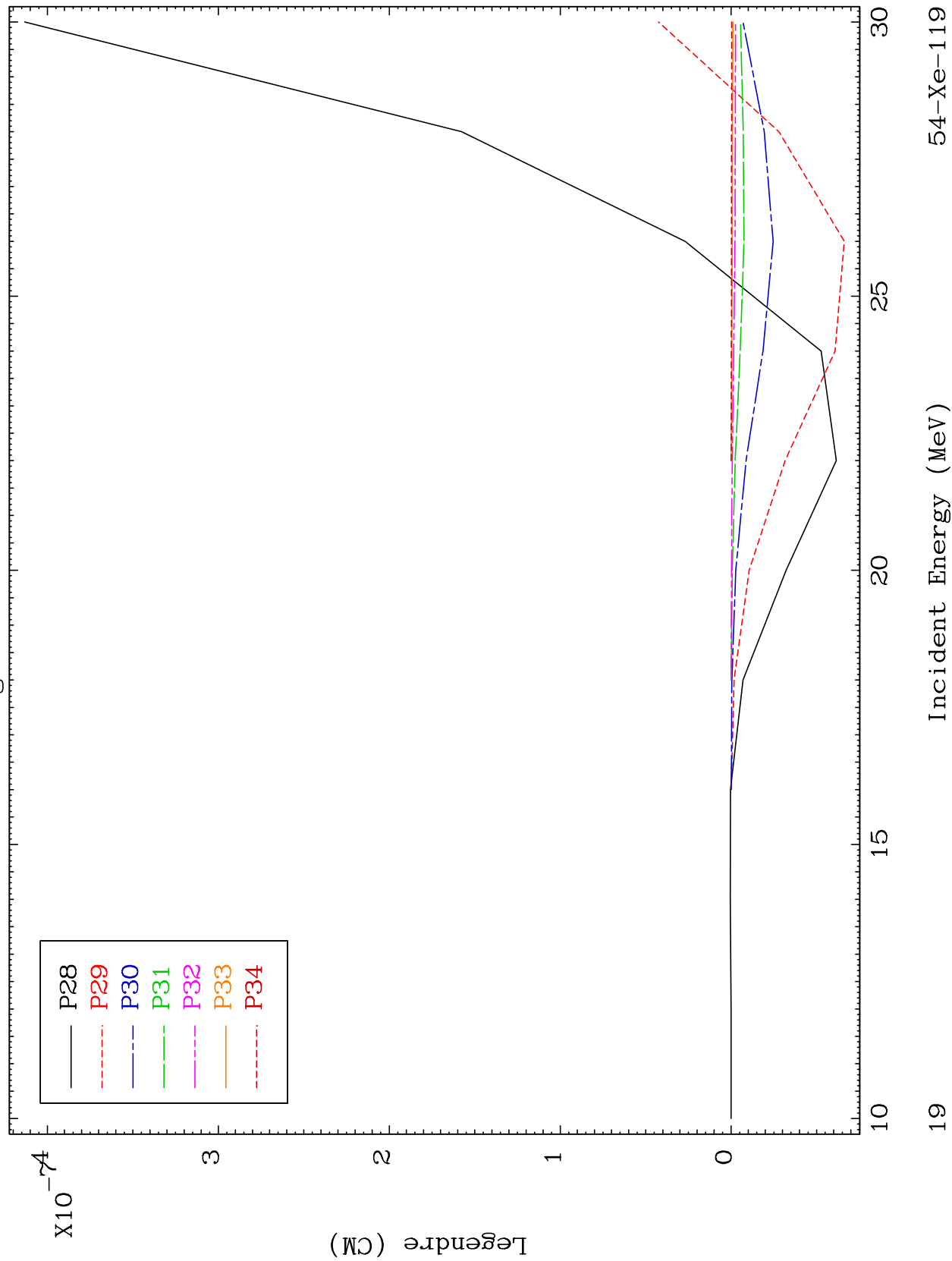
Incident Energy (MeV)

54-Xe-119

MAT 5410

Elastic Legendre Coefficients

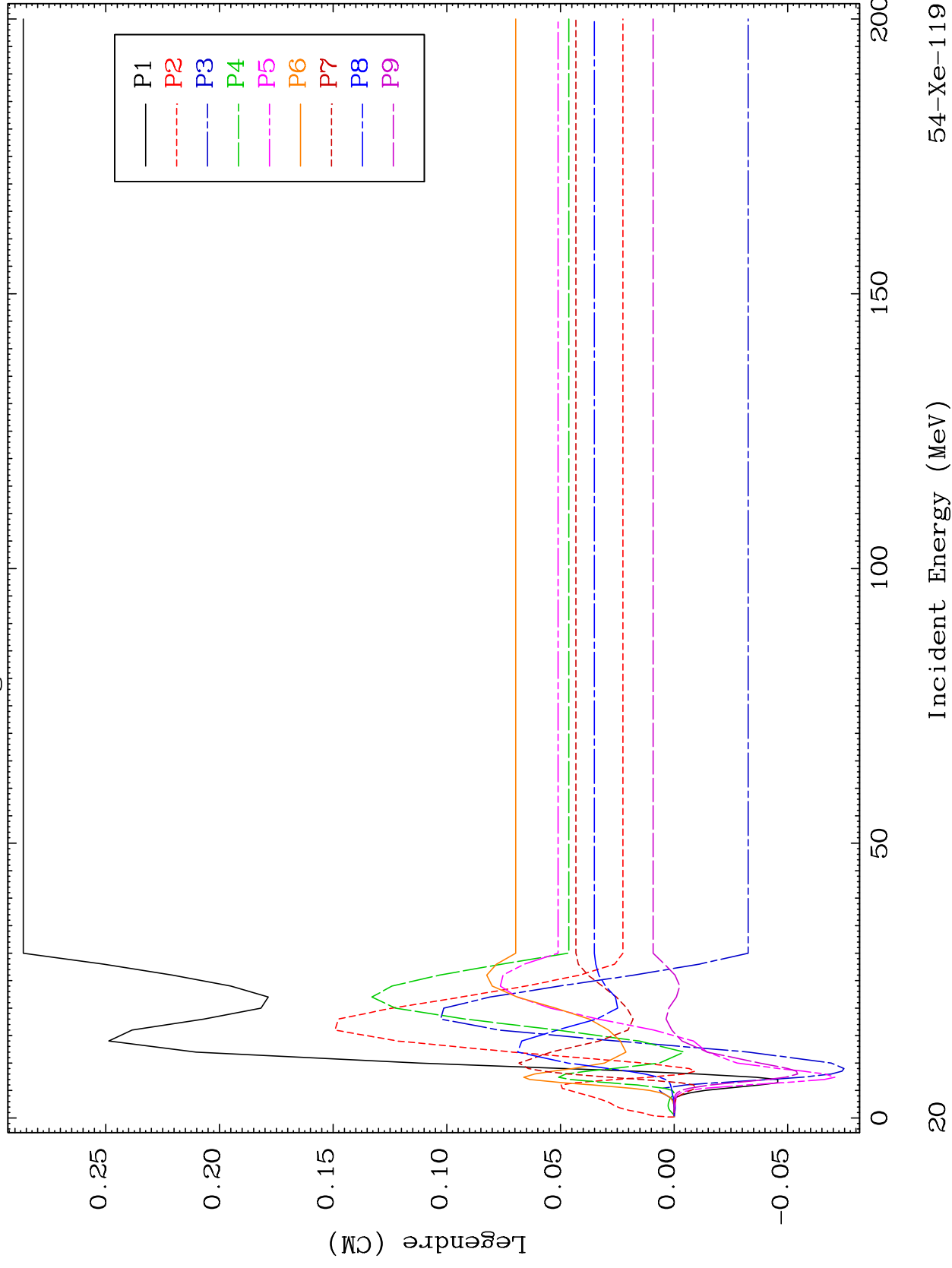
54-Xe-119



MAT 5410

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

54-Xe-119



54-Xe-119

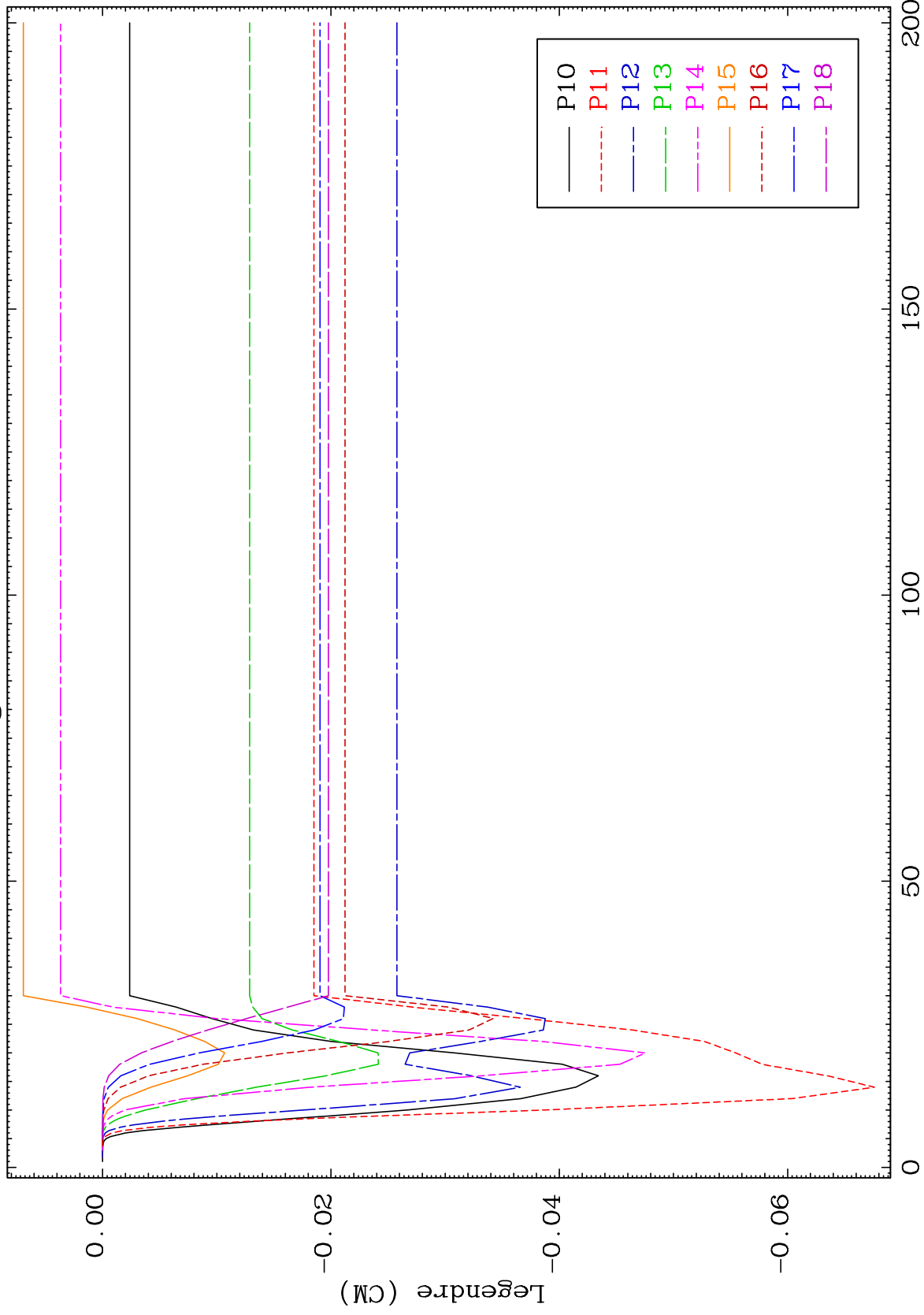
Incident Energy (MeV)

0

MAT 5410

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

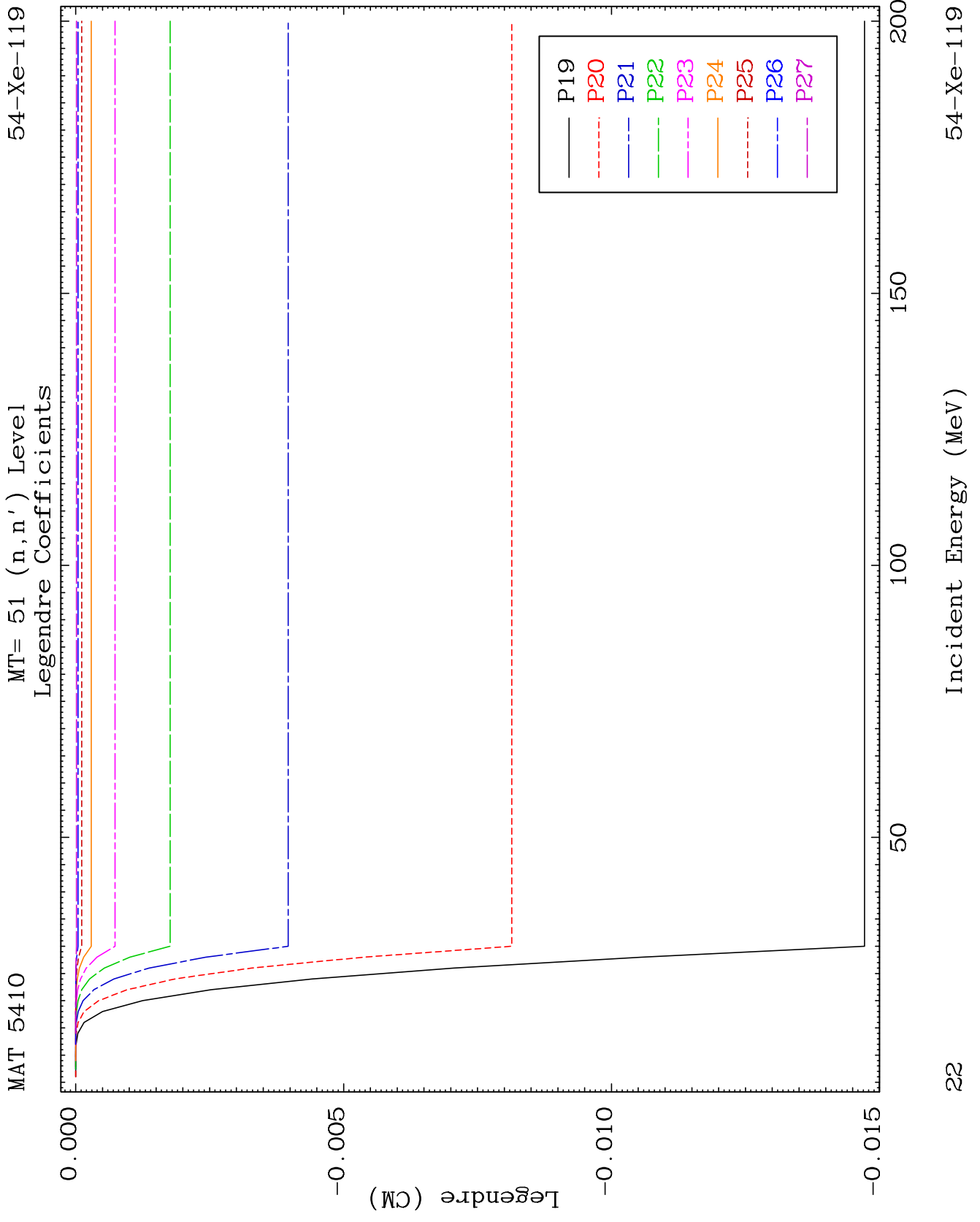
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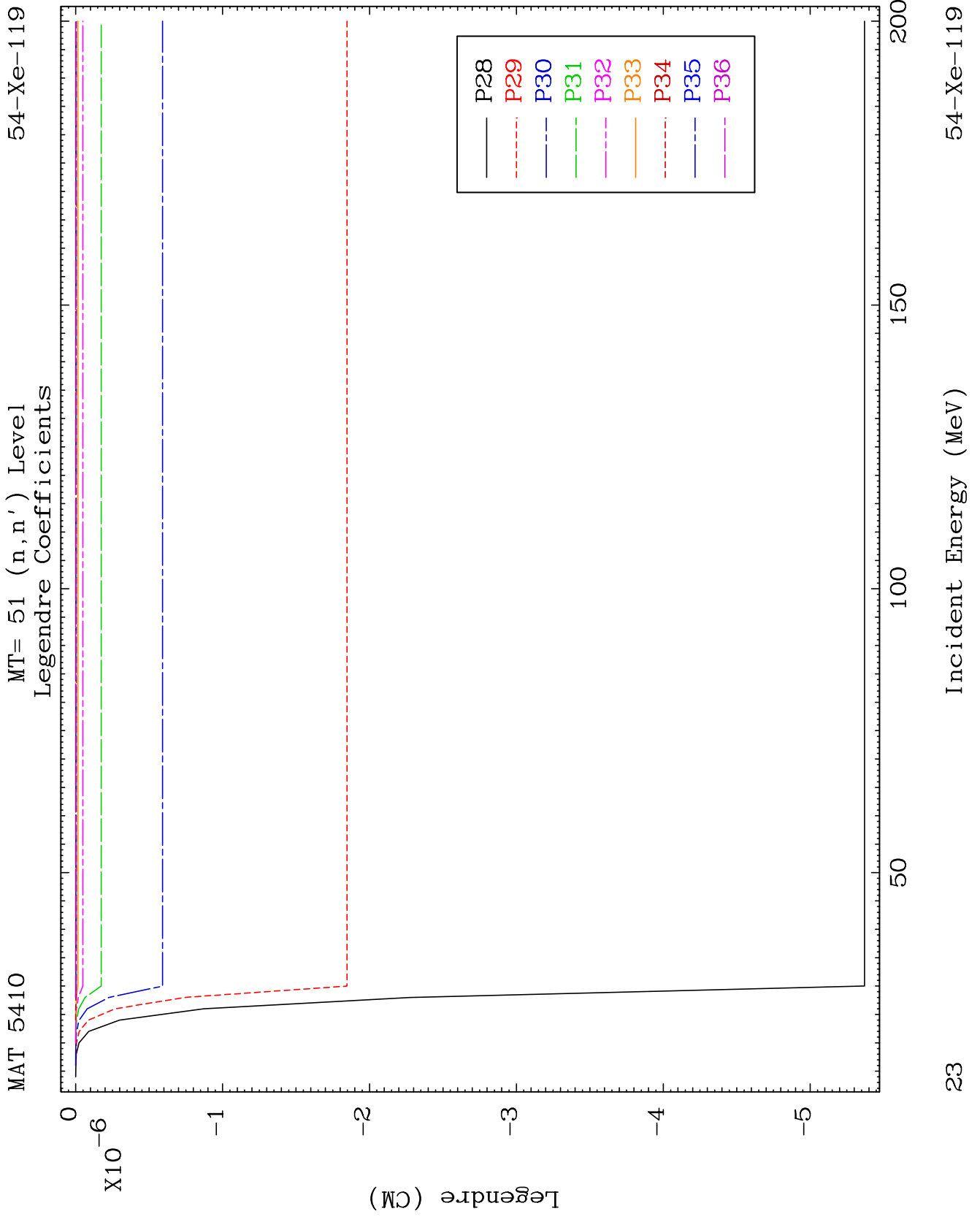


21

Incident Energy (MeV)

54-Xe-119



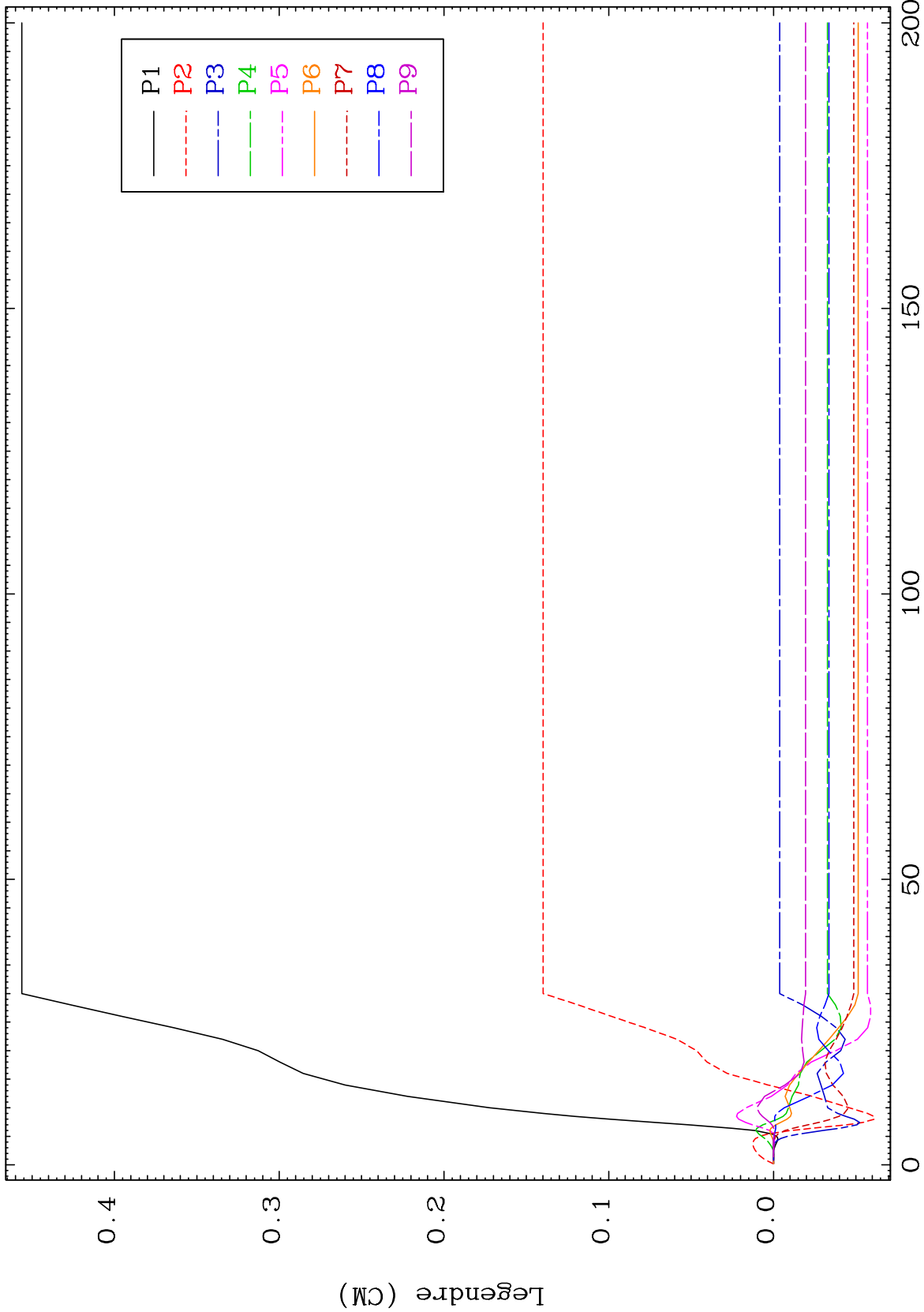




MAT 5410

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

54-Xe-119



24

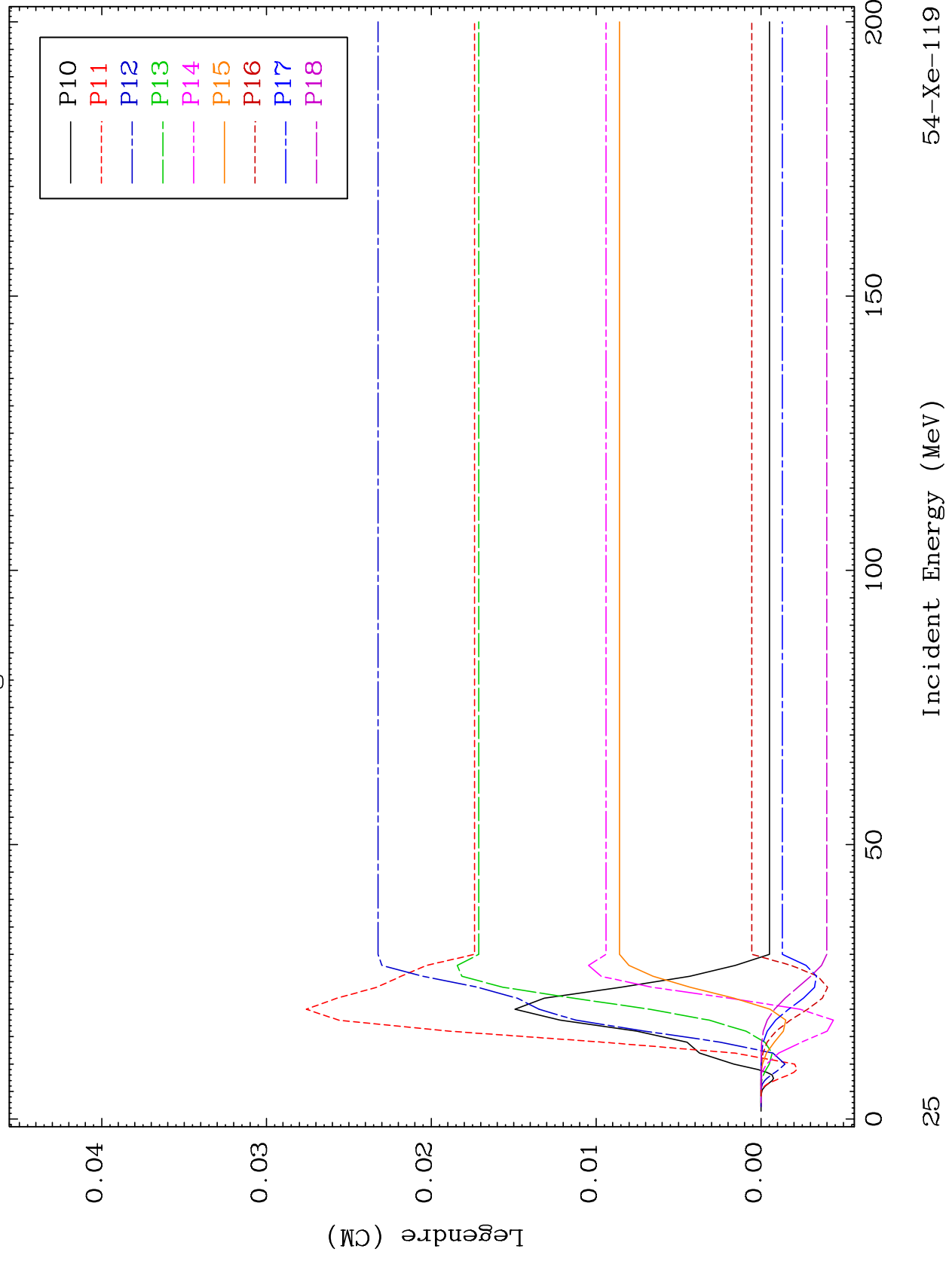
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



54-Xe-119

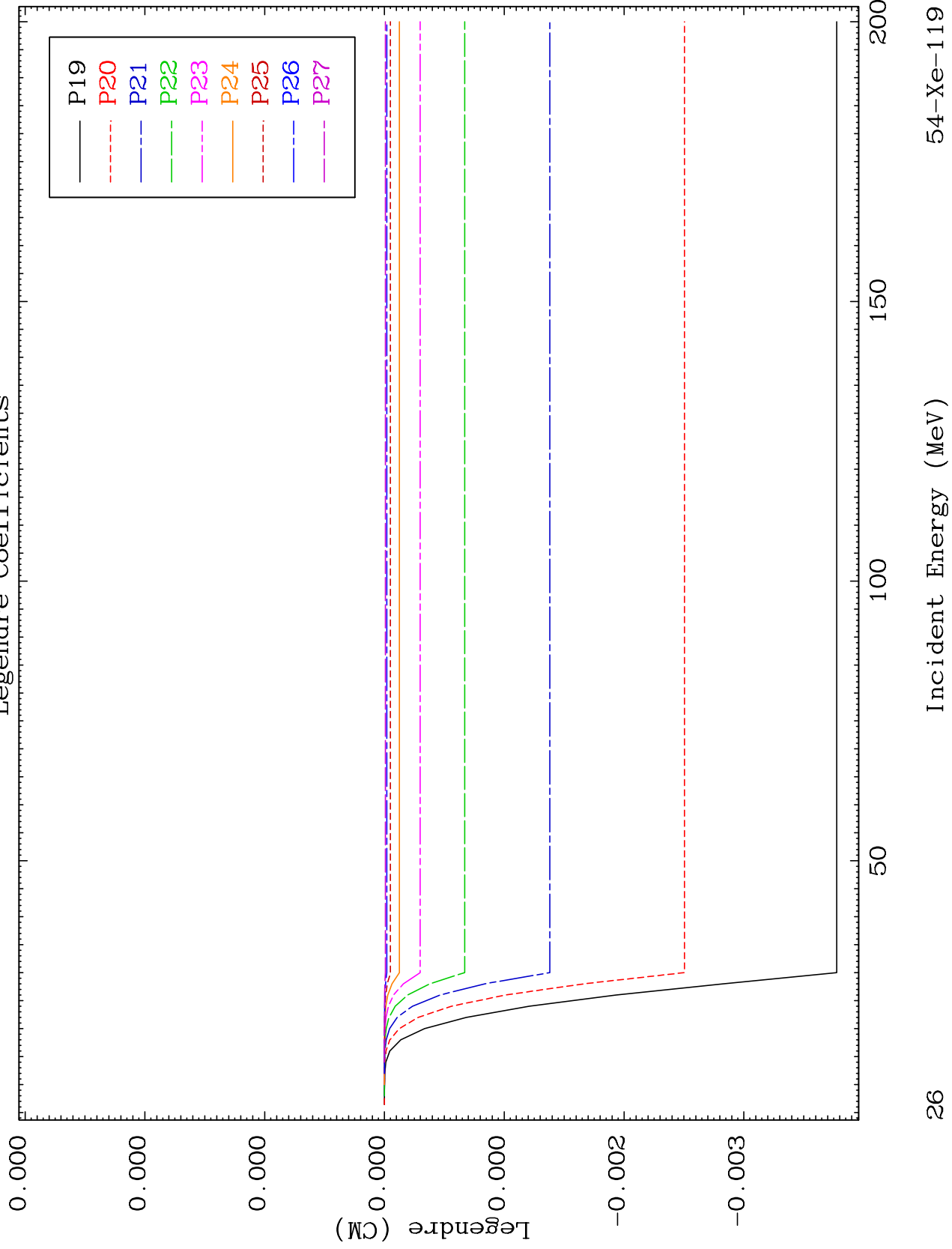
Incident Energy (MeV)

25

MAT 5410

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

54-Xe-119



26

Incident Energy (MeV)

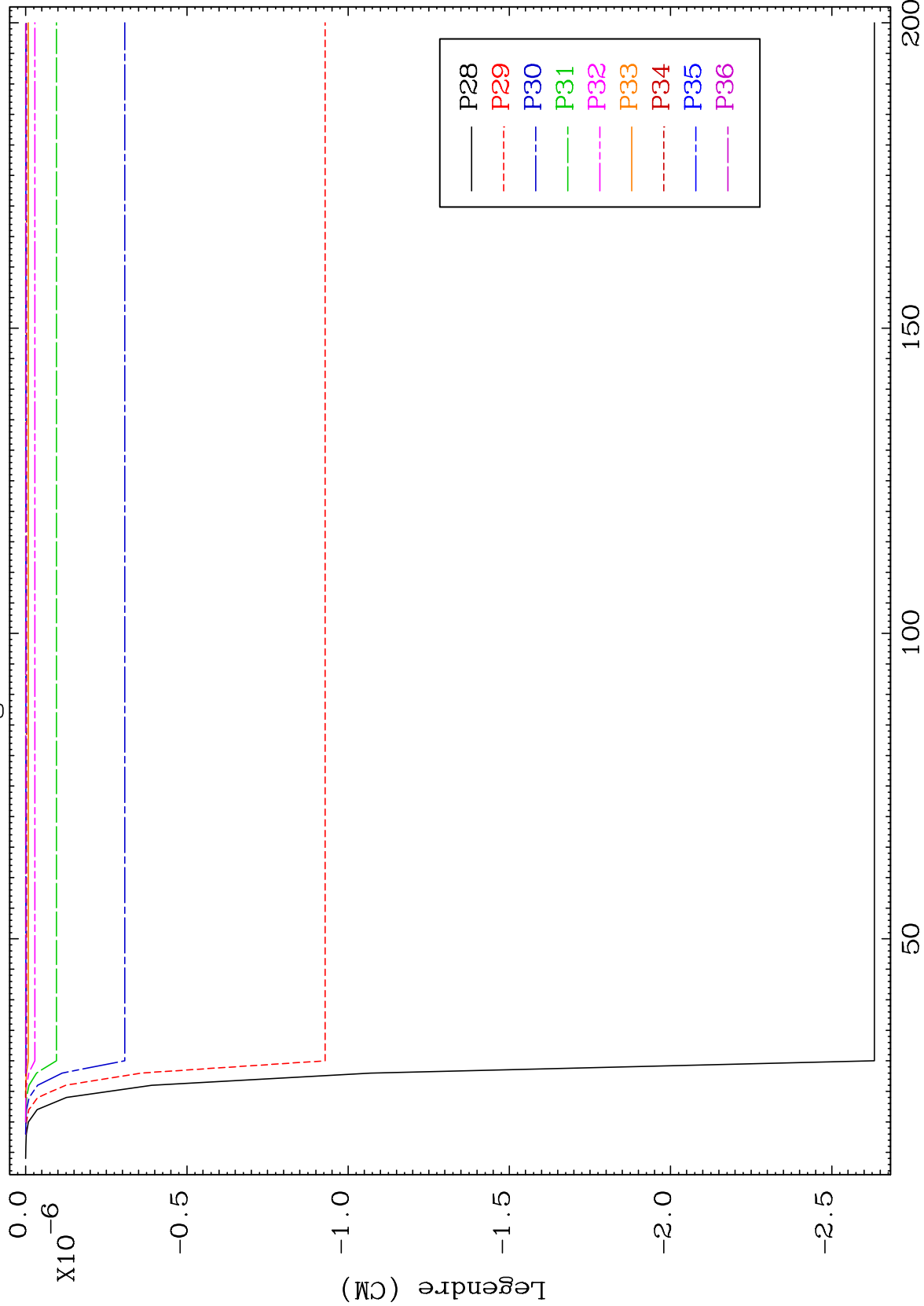
54-Xe-119

MAT 5410

MT= 52 (n,n') Level

54-Xe-119

Legendre Coefficients



54-Xe-119

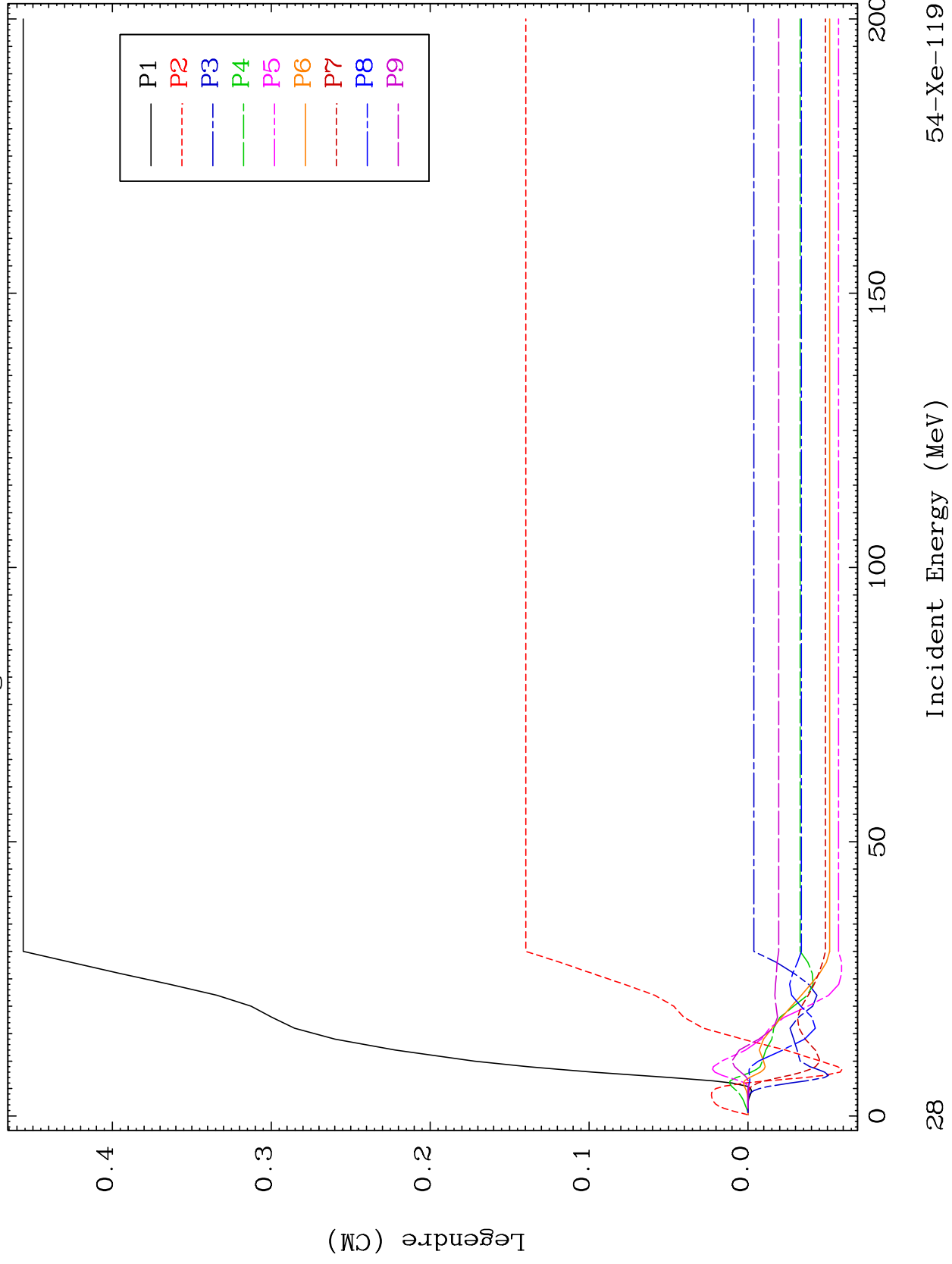
Incident Energy (MeV)

27

MAT 5410

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

54-Xe-119



54-Xe-119

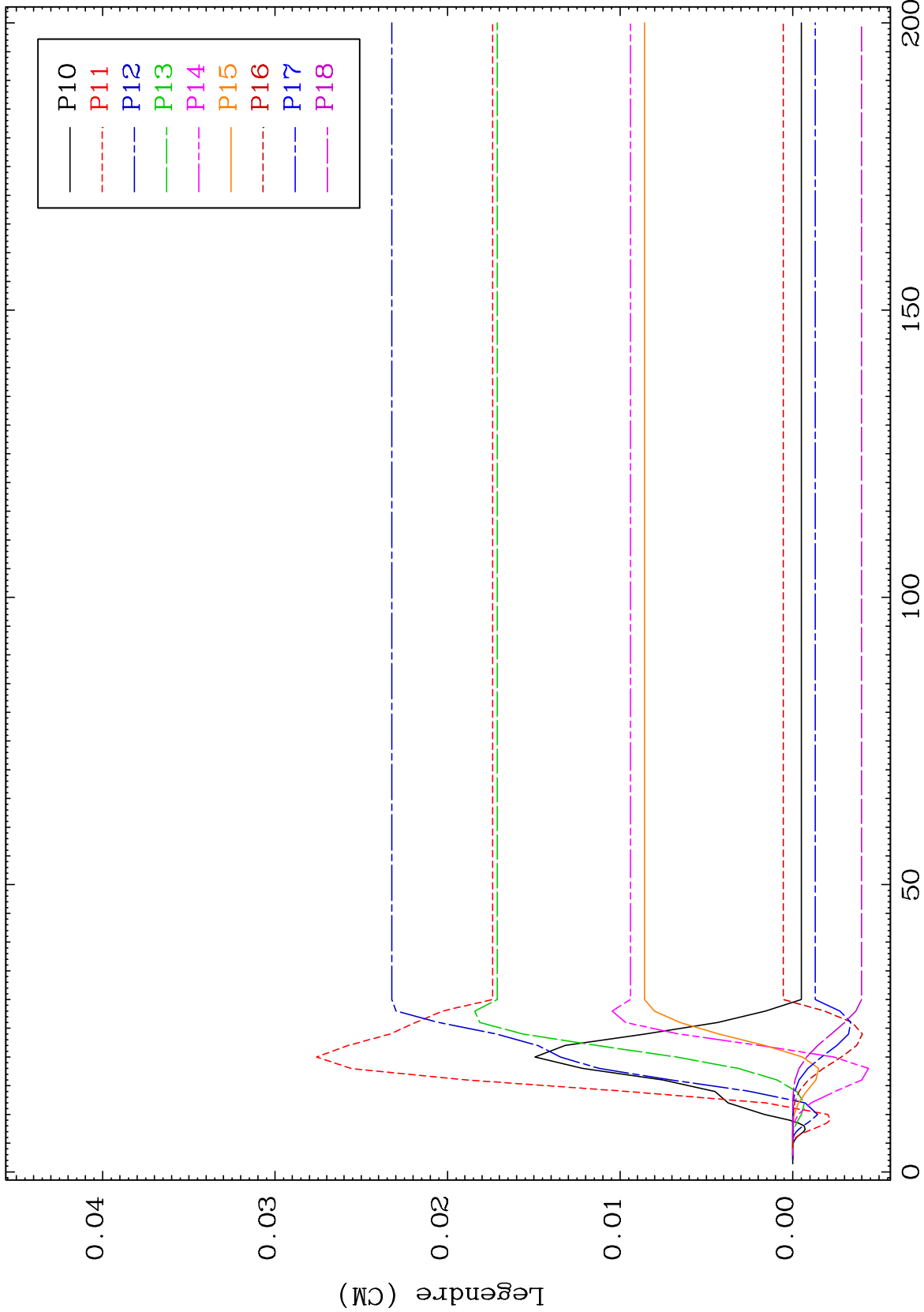
Incident Energy (MeV)

28

MAT 5410

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

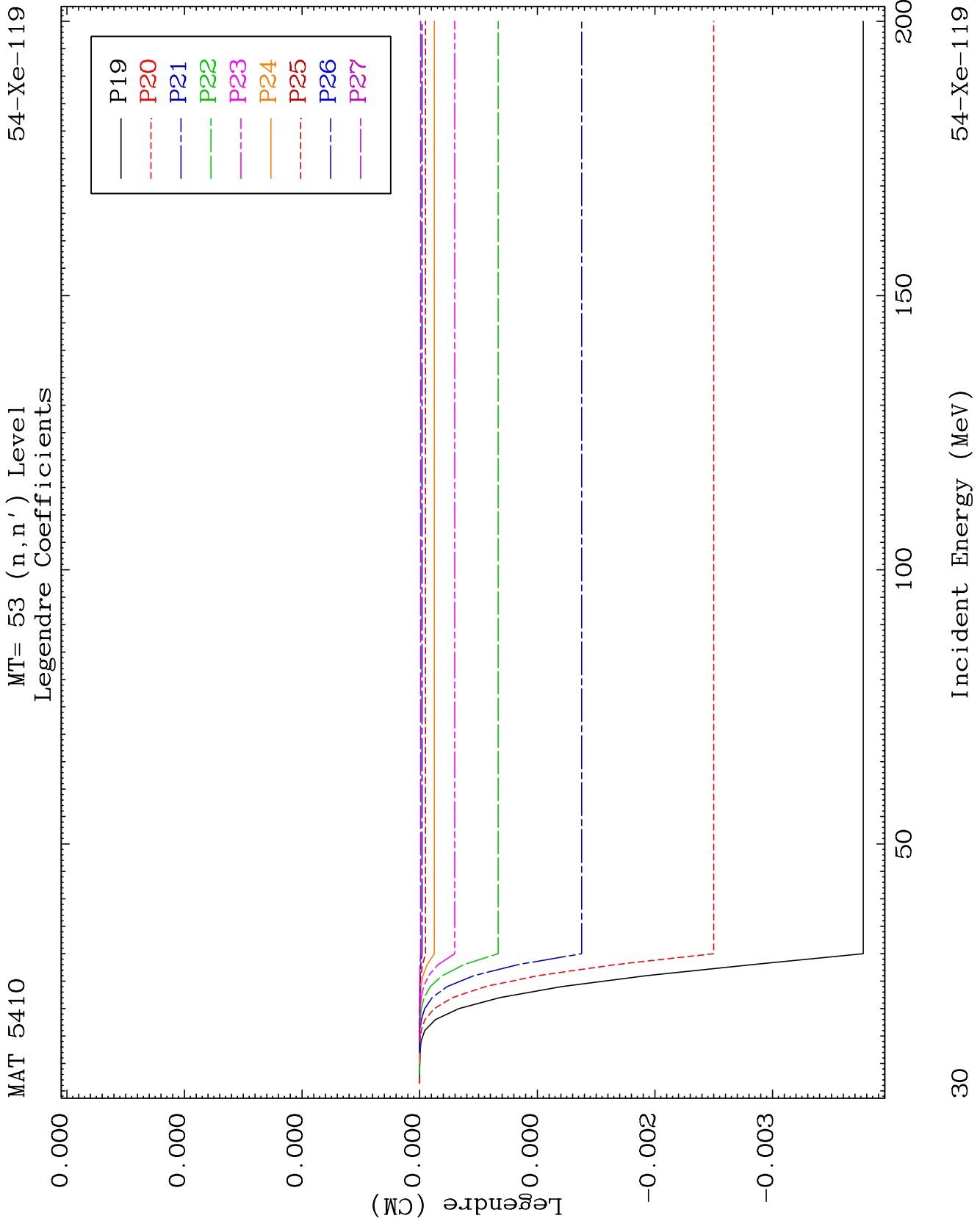
54-Xe-119

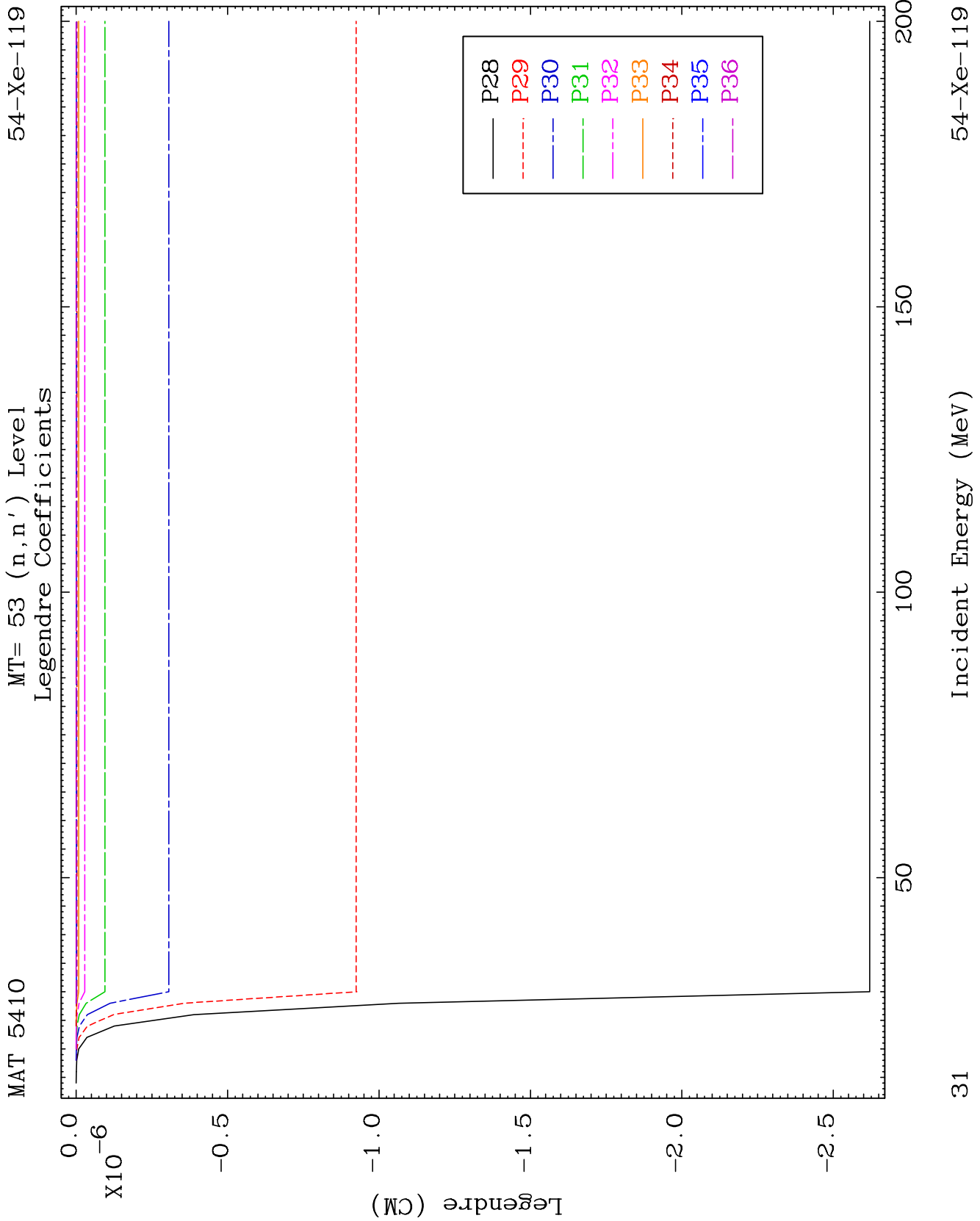


29

Incident Energy (MeV)

54-Xe-119



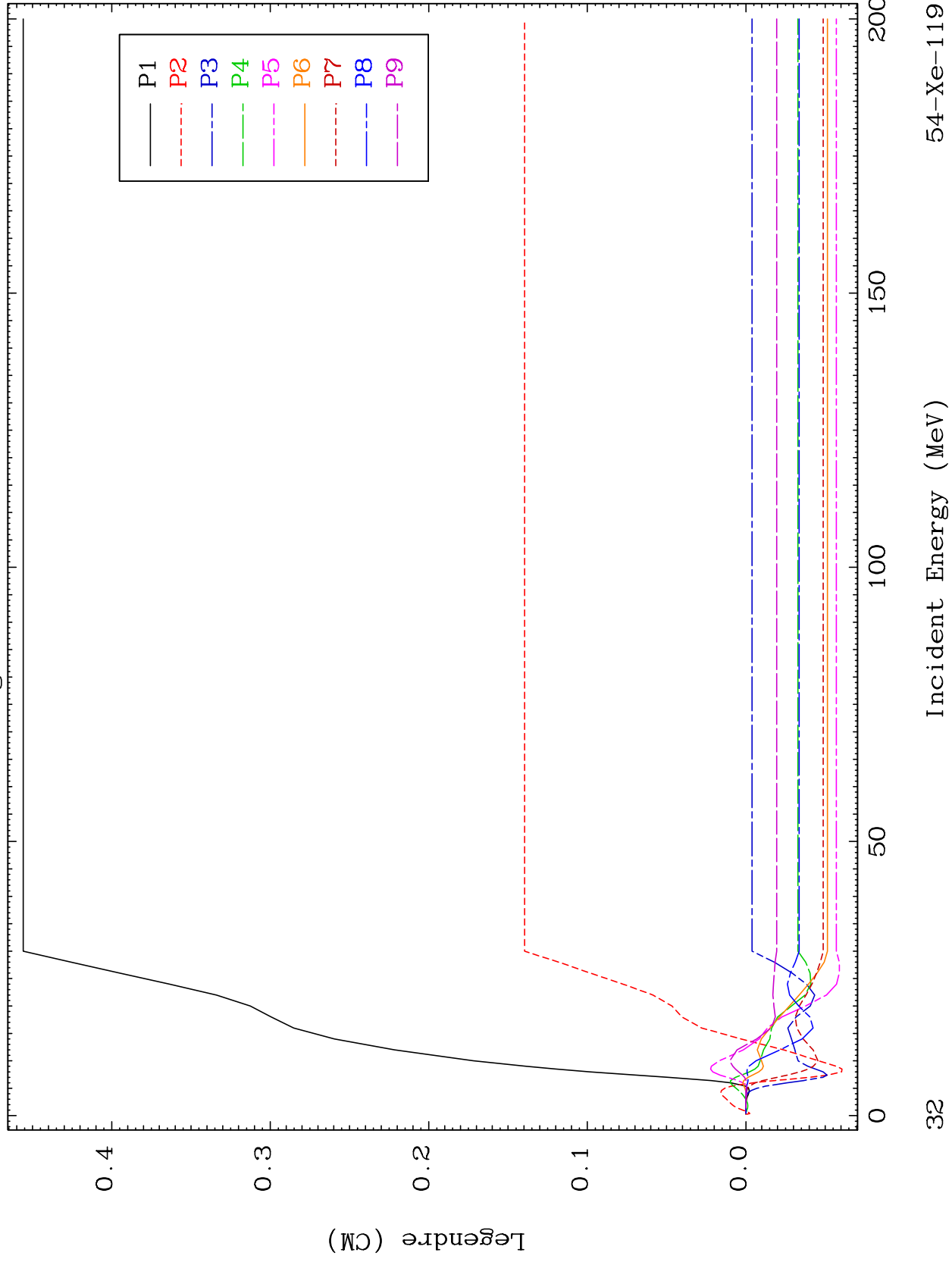




MAT 5410

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

54-Xe-119



54-Xe-119

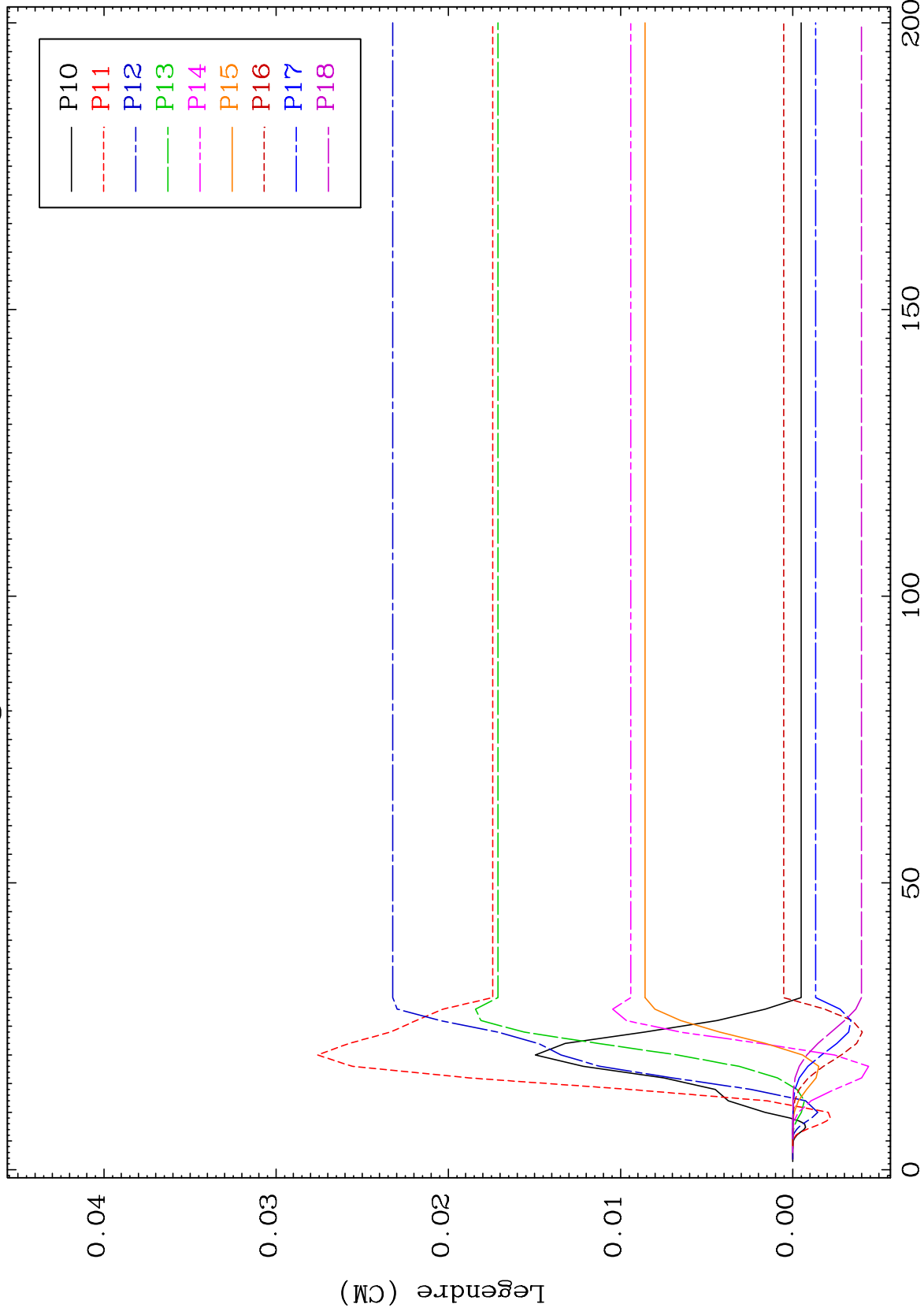
Incident Energy (MeV)

32

MAT 5410

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

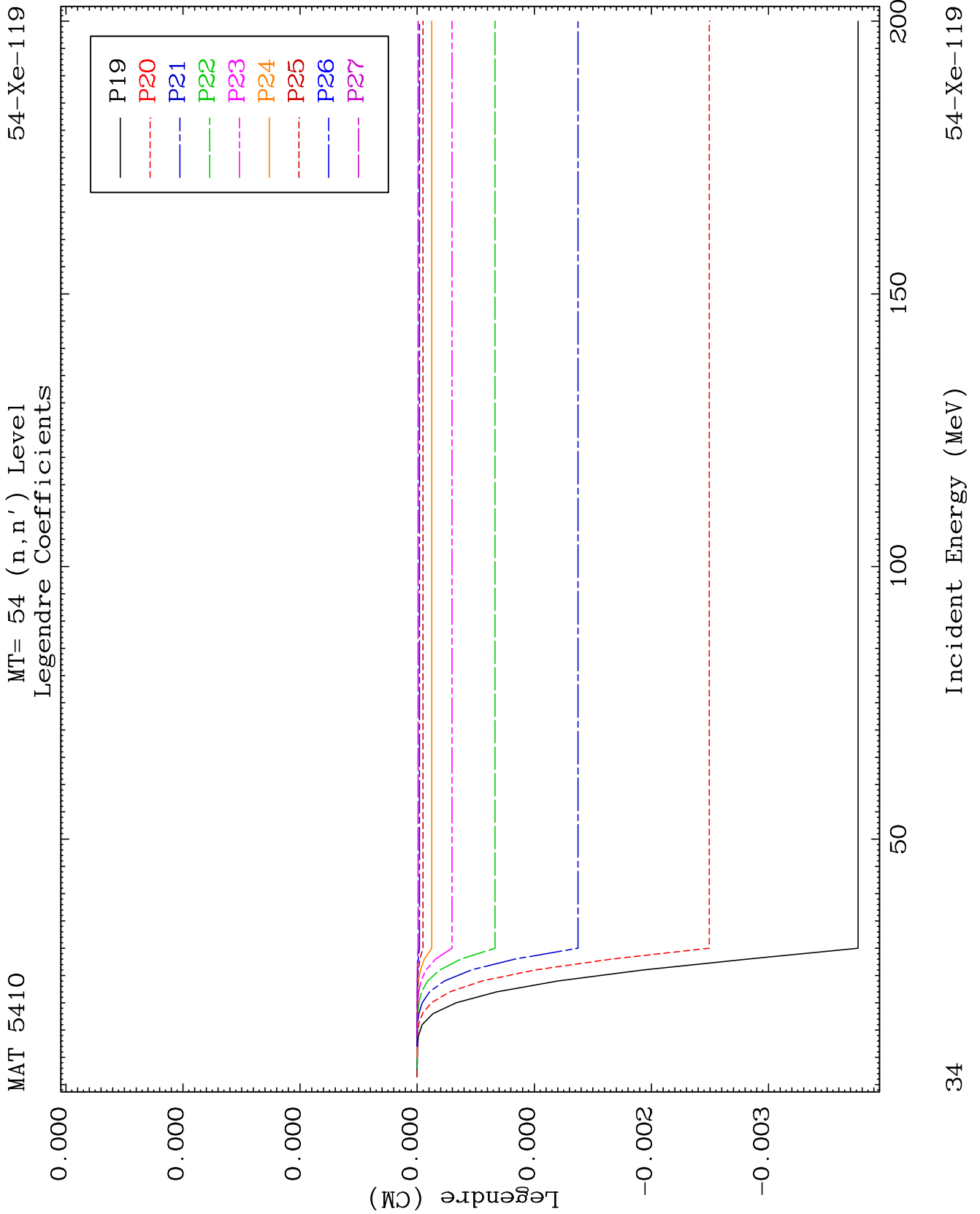
54-Xe-119



33

Incident Energy (MeV)

54-Xe-119

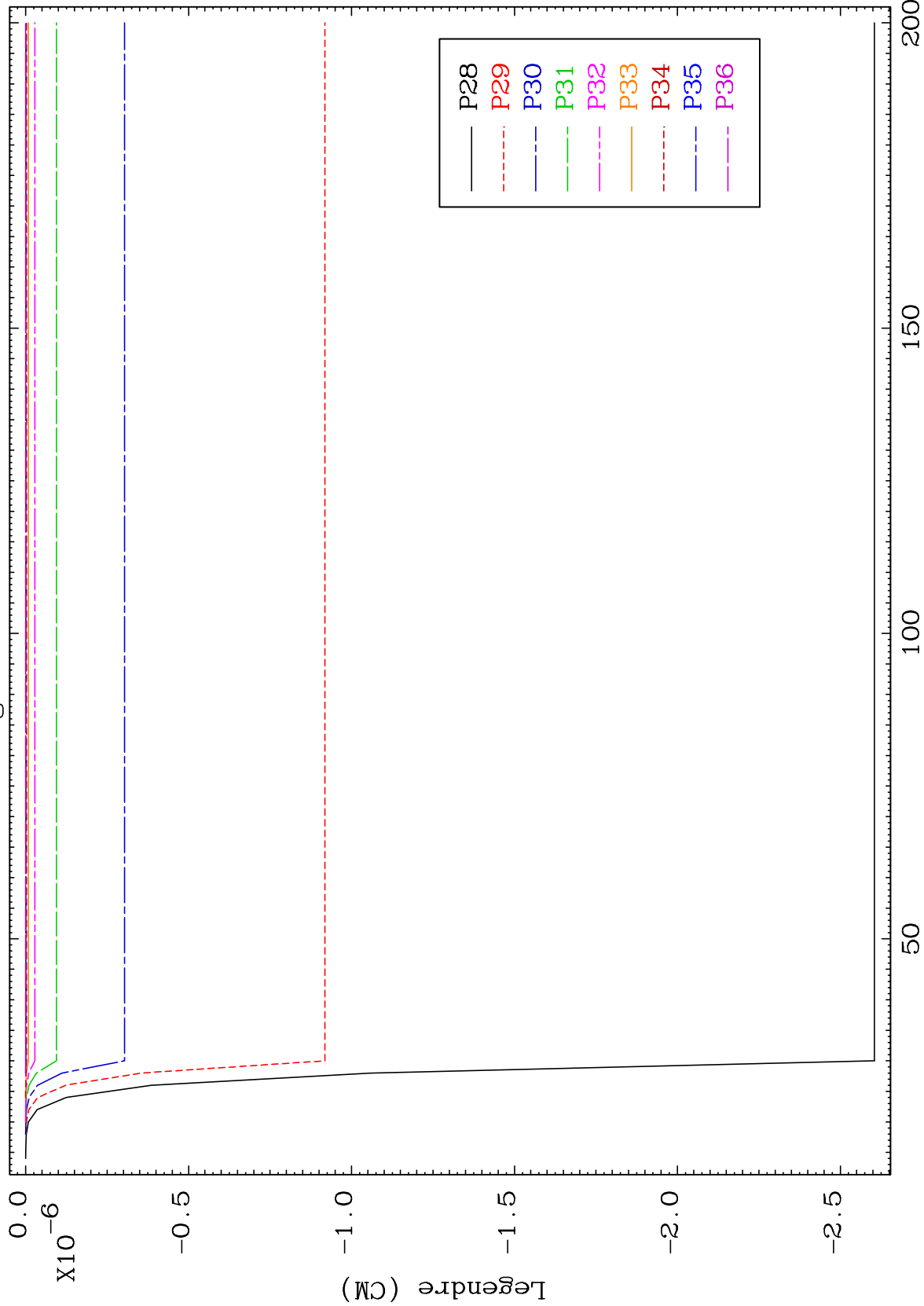


MAT 5410

MT= 54 (n,n') Level

54-Xe-119

Legendre Coefficients



54-Xe-119

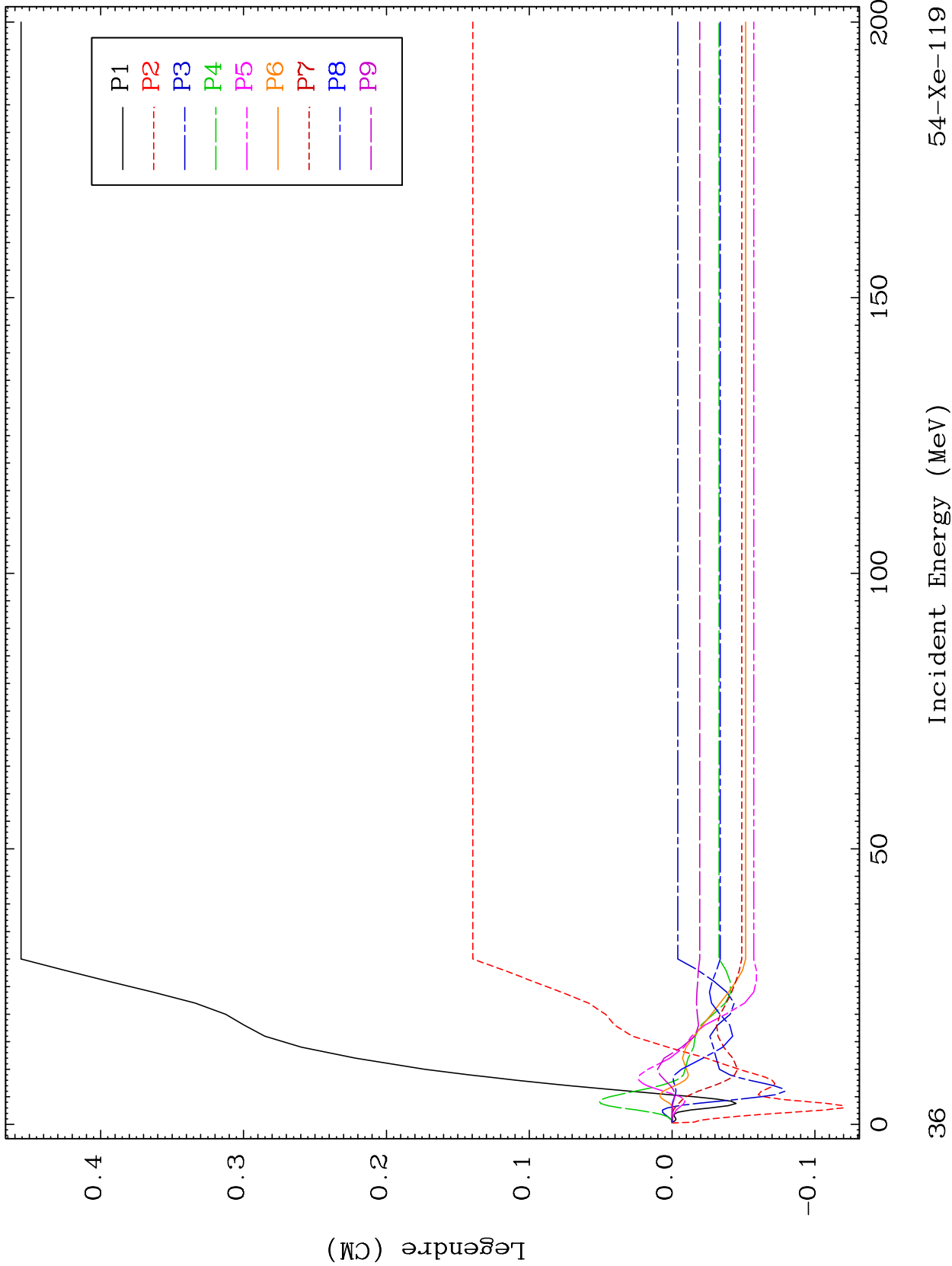
Incident Energy (MeV)

35

MAT 5410

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

54-Xe-119



54-Xe-119

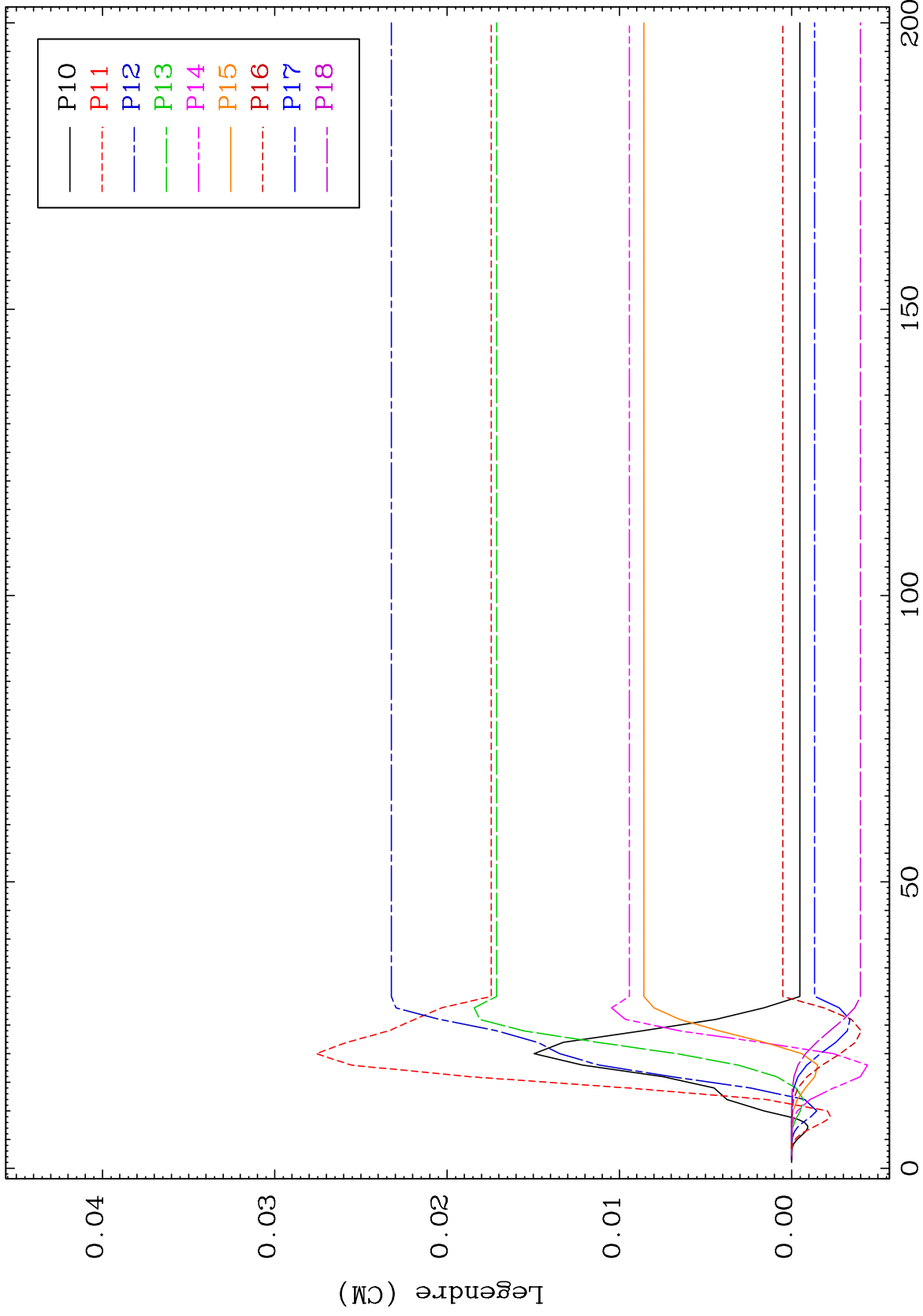
Incident Energy (MeV)

36

MAT 5410

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

54-Xe-119



37

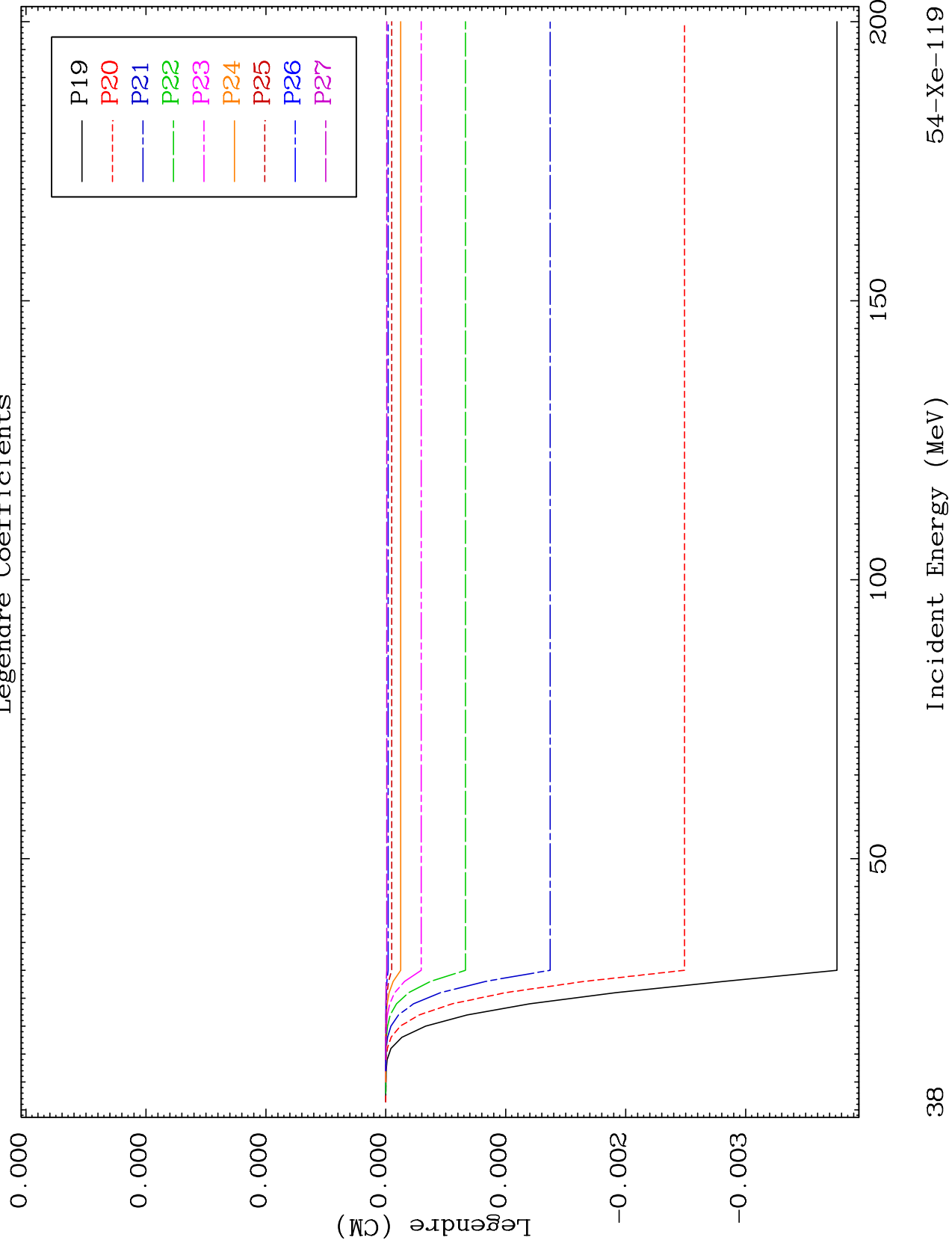
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

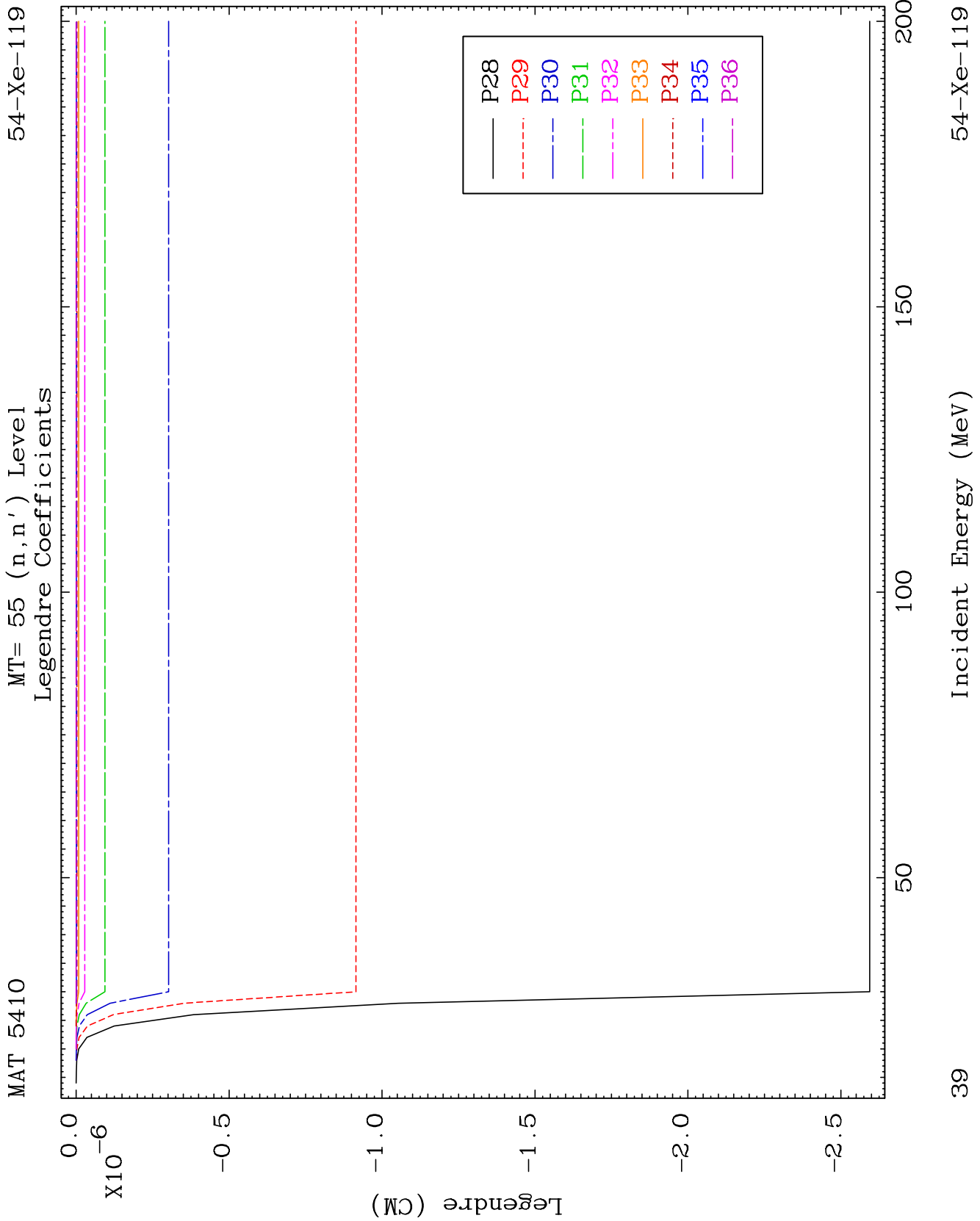
54-Xe-119



38

Incident Energy (MeV)

54-Xe-119

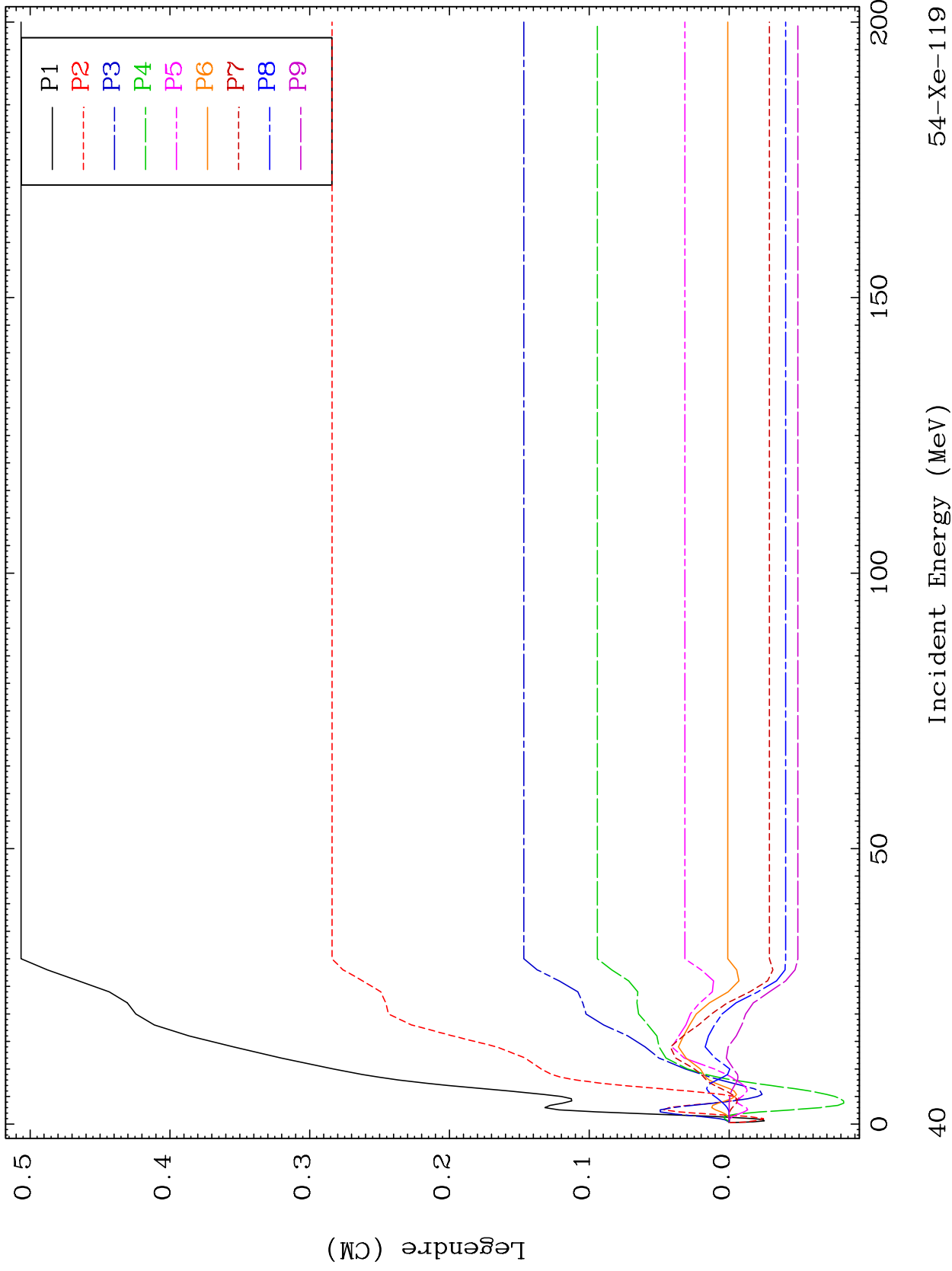




MAT 5410

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

54-Xe-119

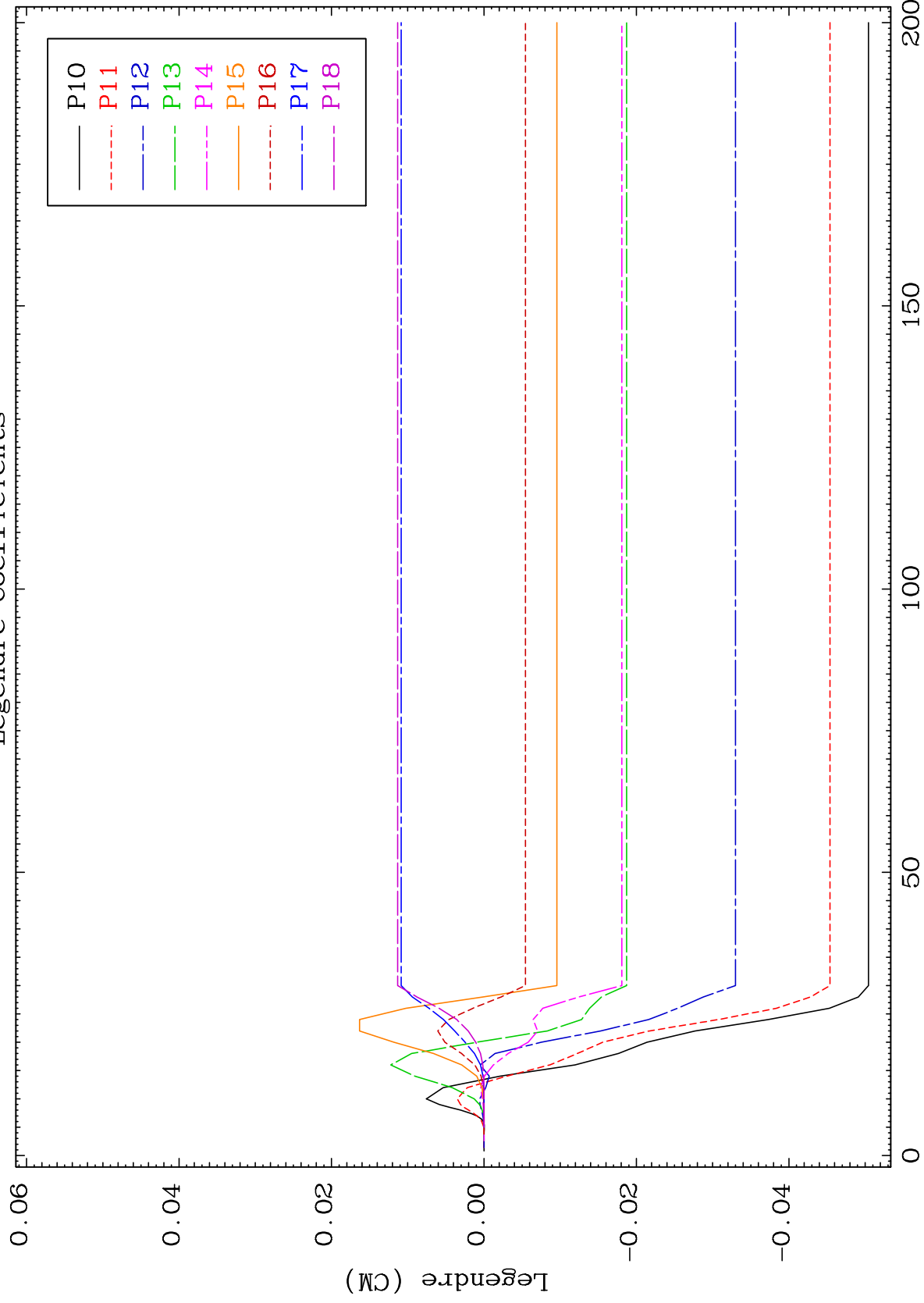


54-Xe-119

MAT 5410

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

54-Xe-119



41

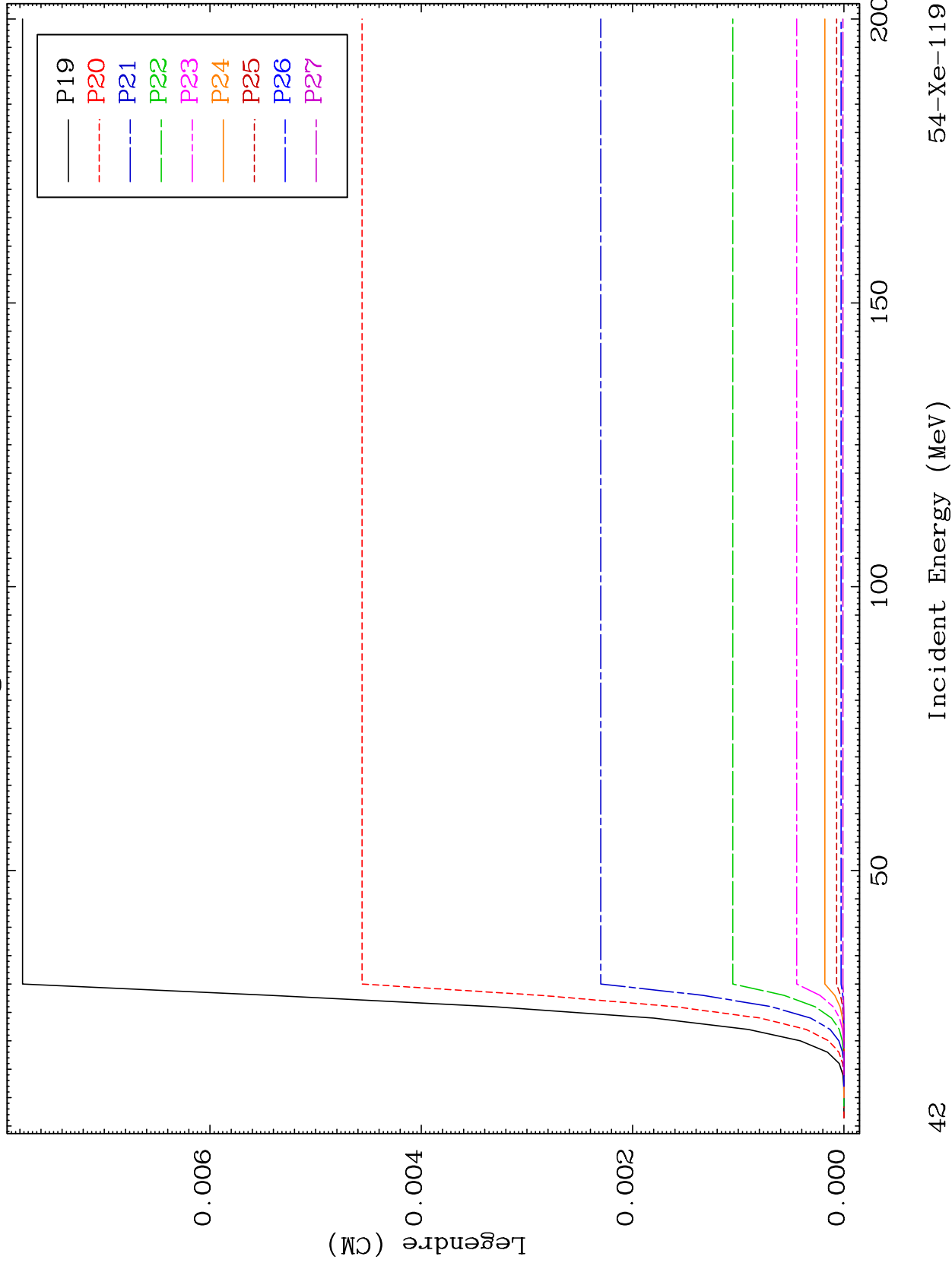
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



42

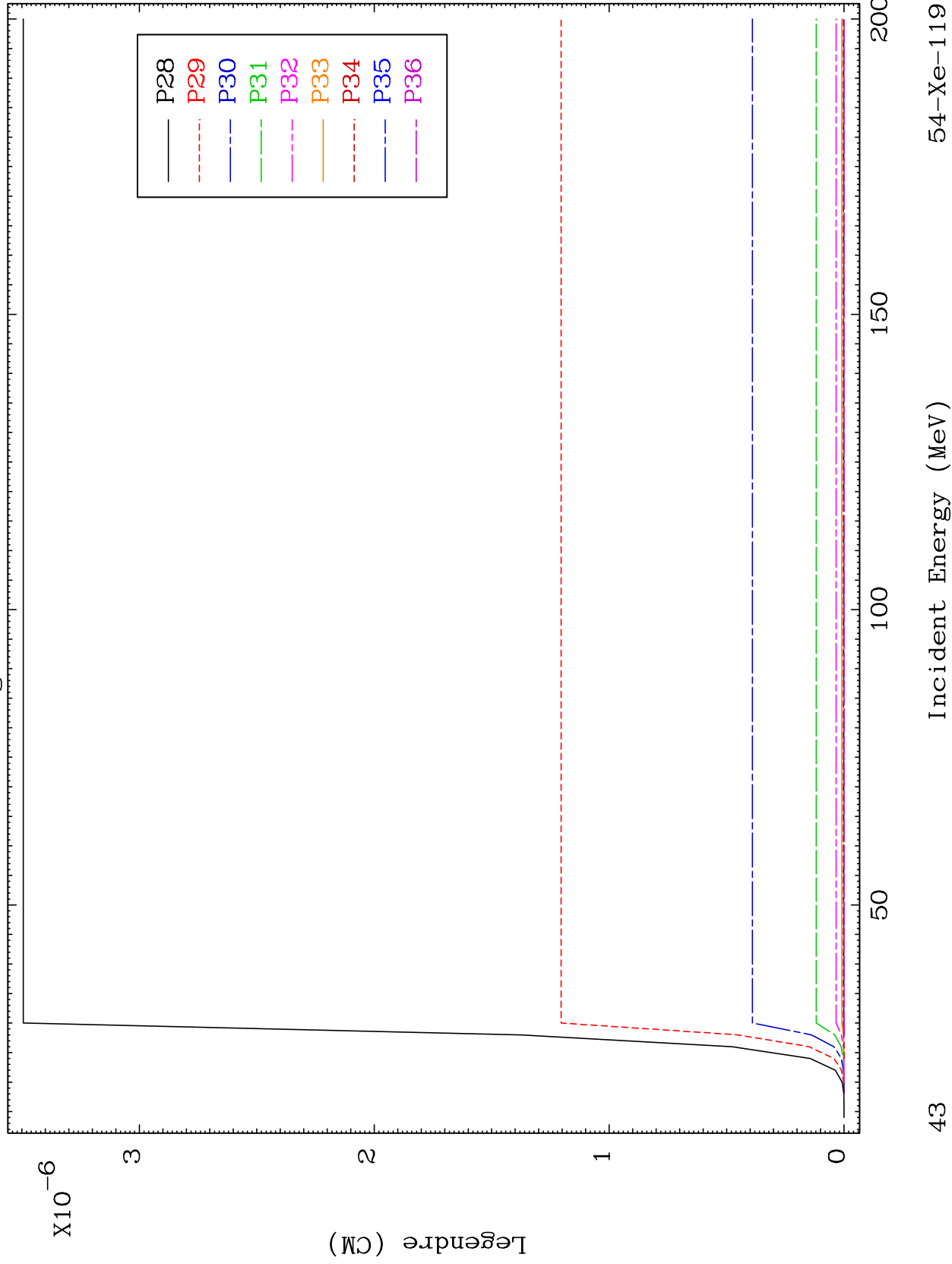
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

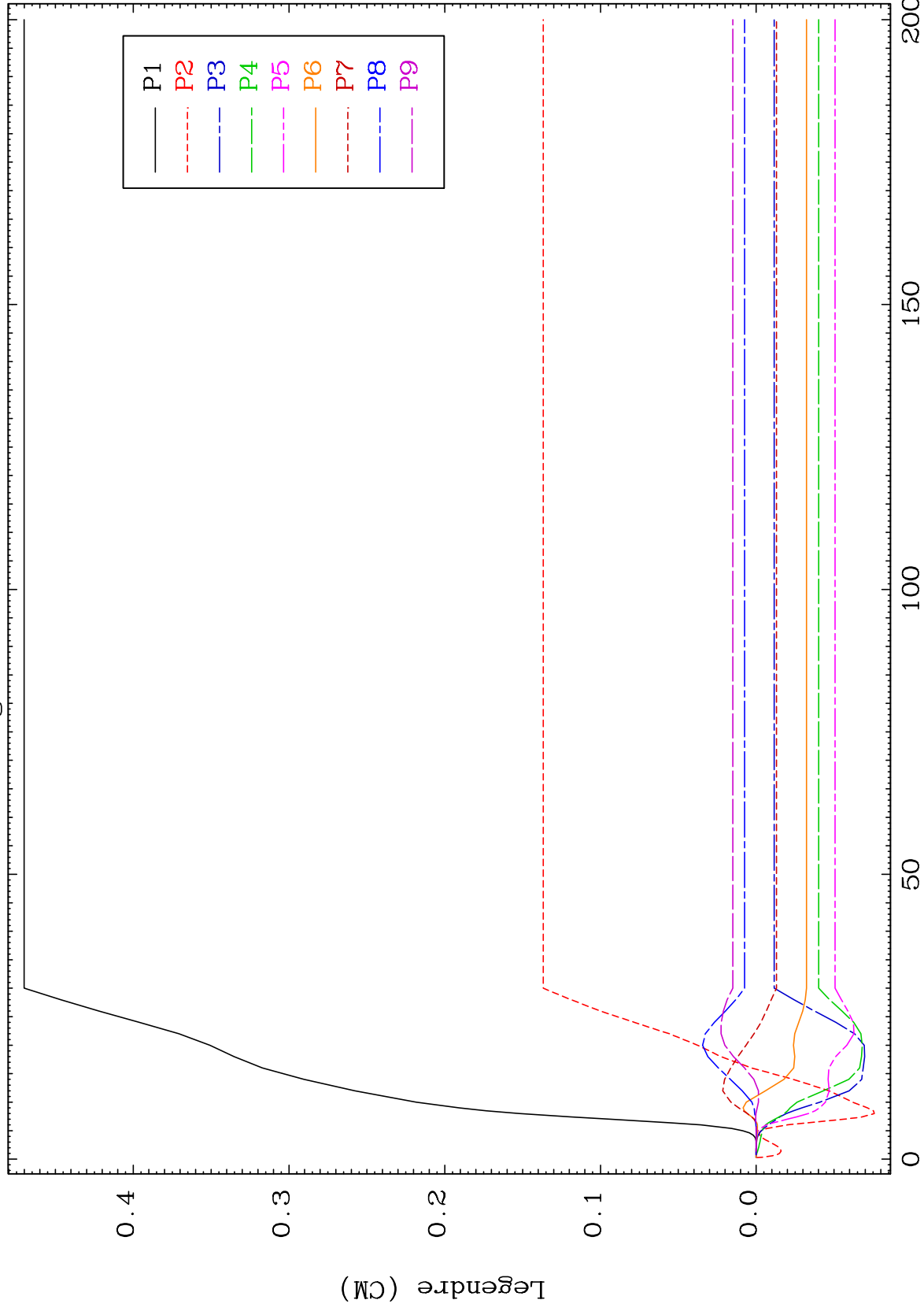
54-Xe-119



MAT 5410

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

54-Xe-119



44

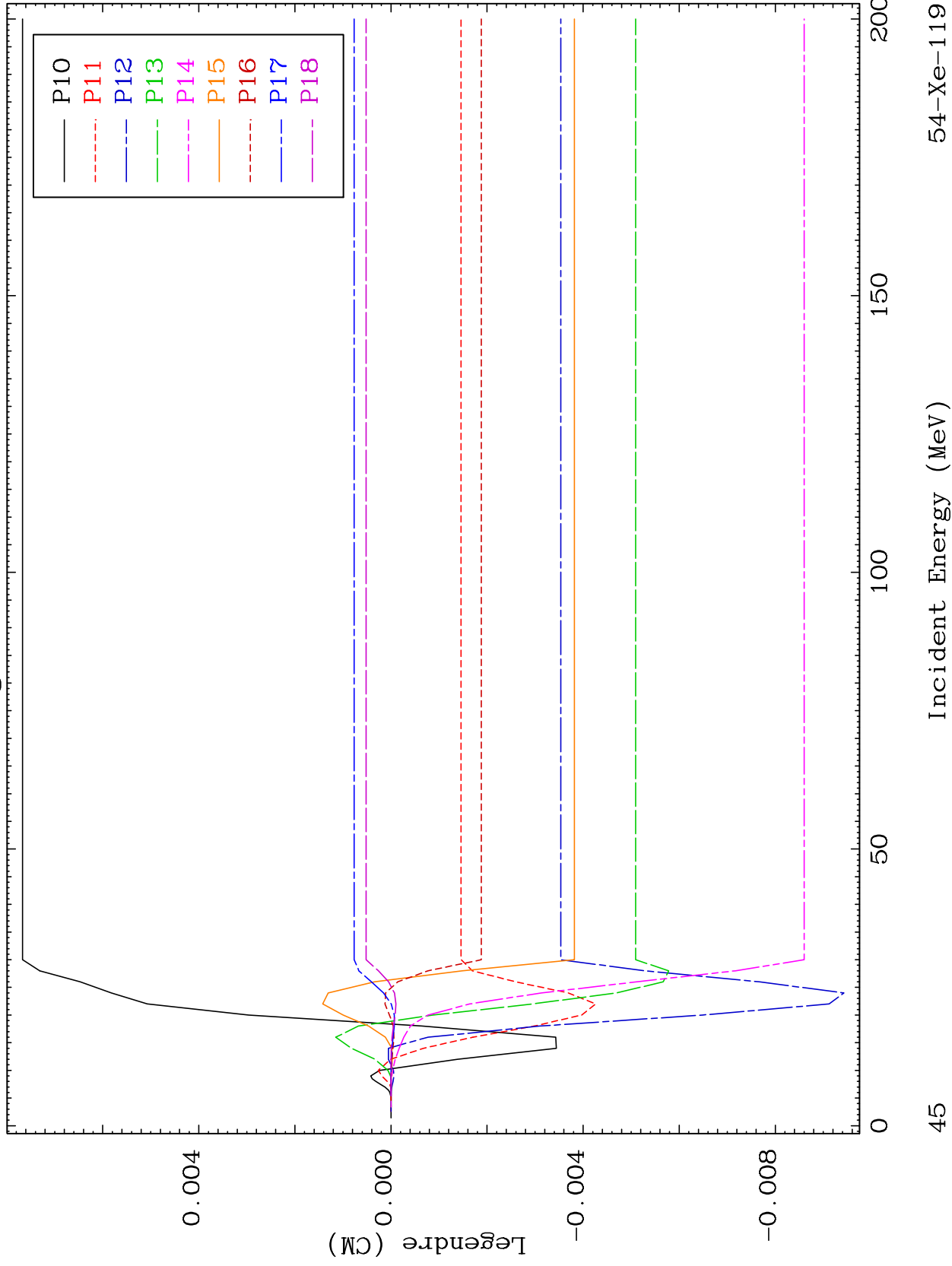
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



54-Xe-119

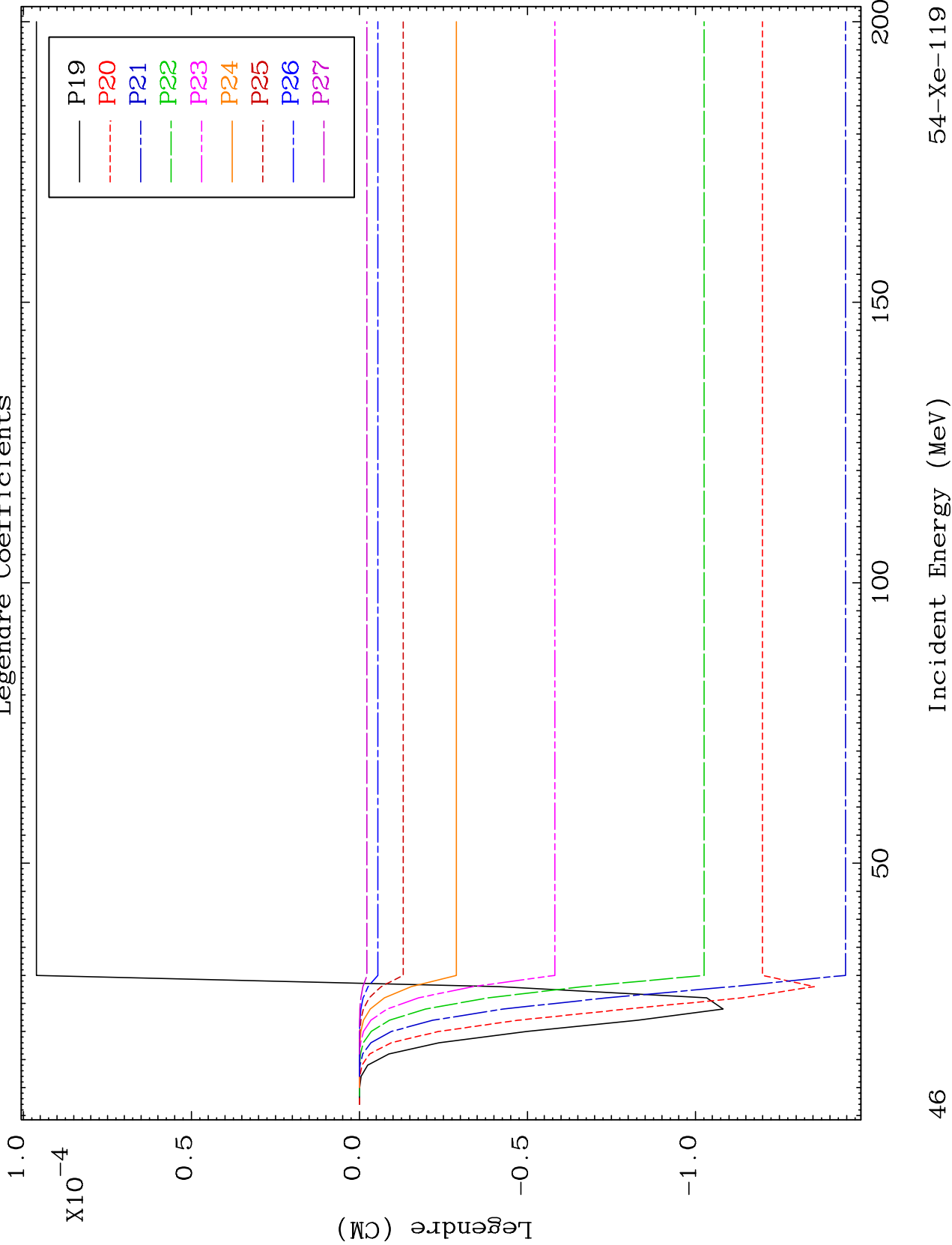
Incident Energy (MeV)

45

MAT 5410

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

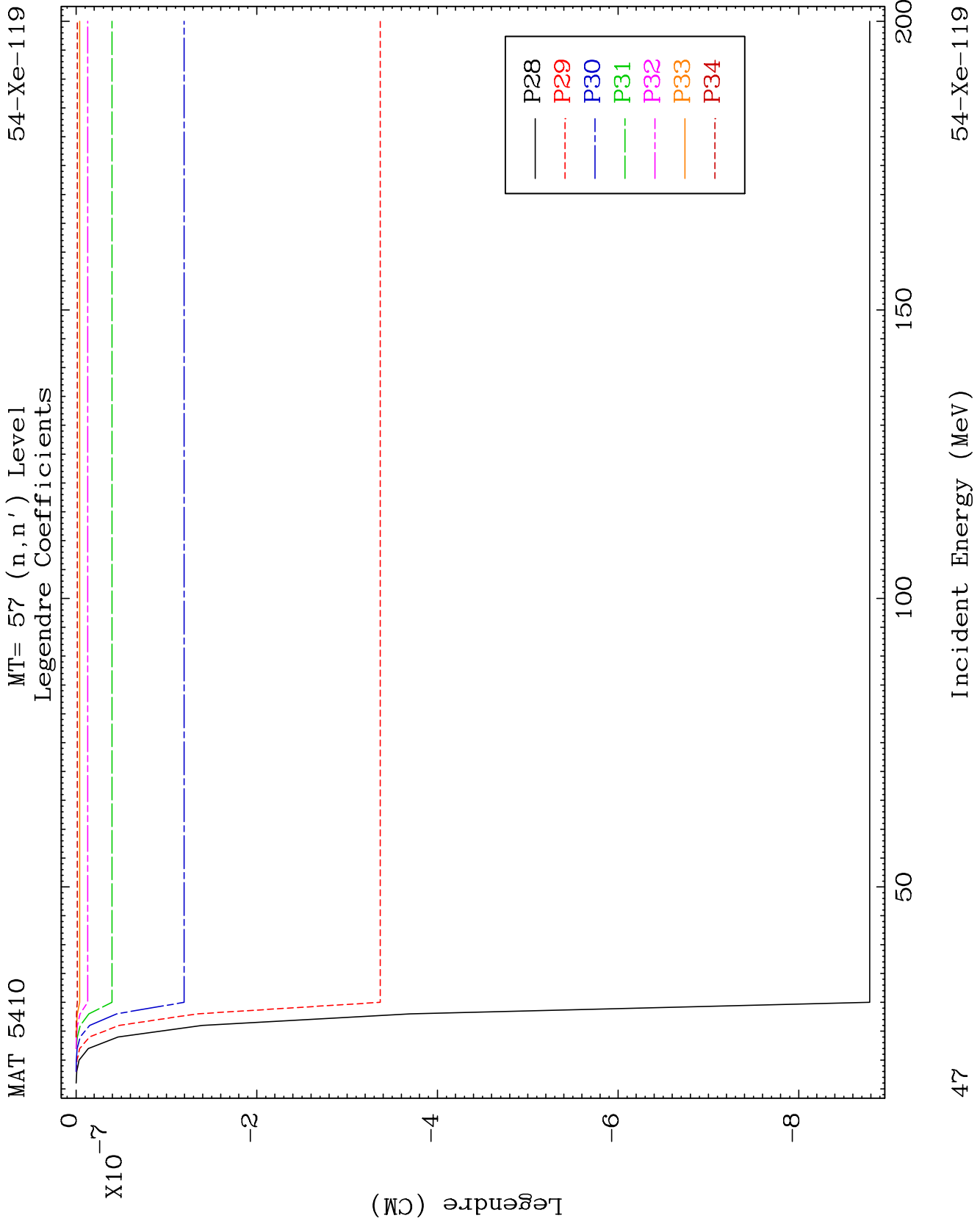
54-Xe-119



46

Incident Energy (MeV)

54-Xe-119

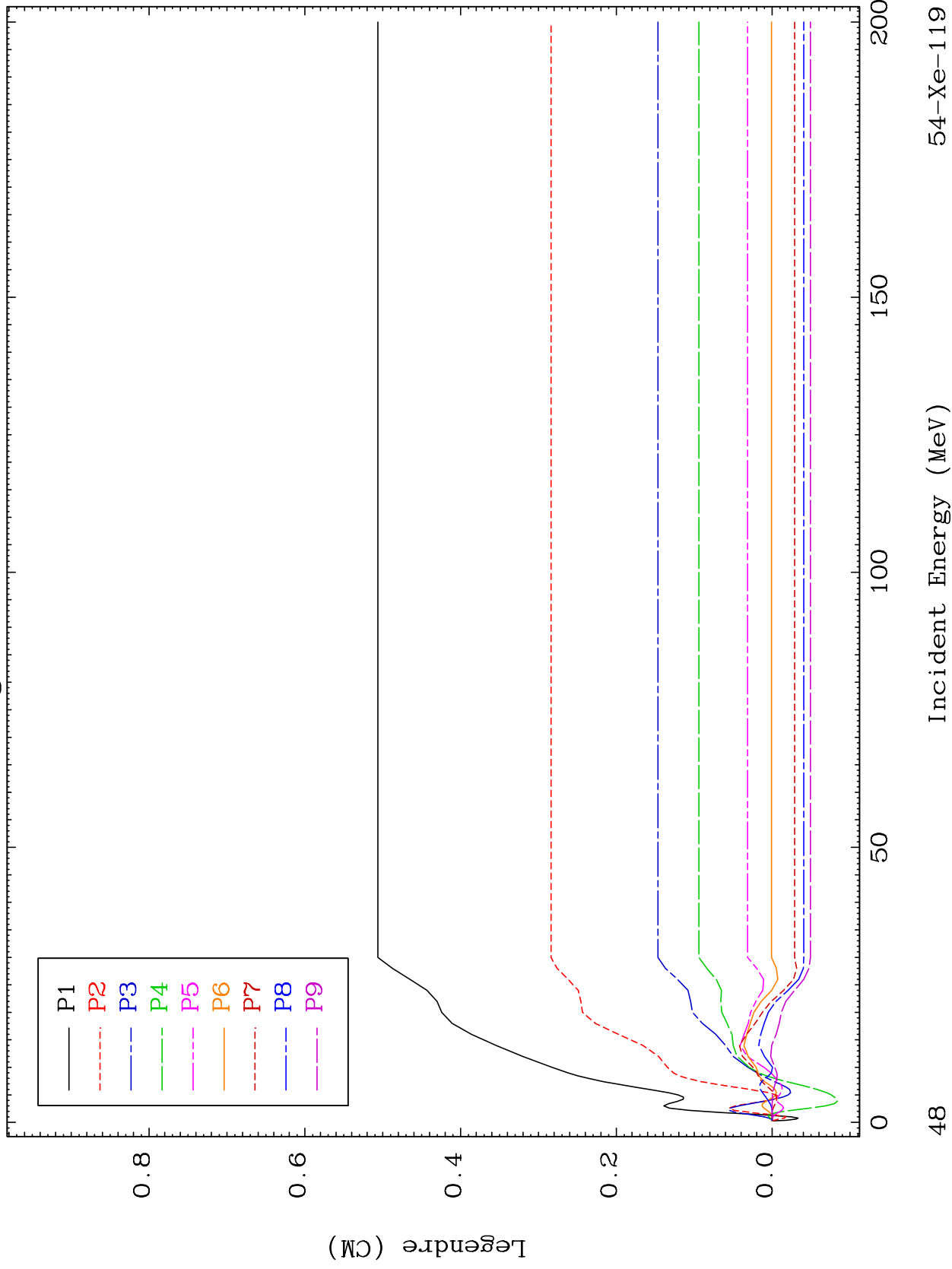




MAT 5410

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

54-Xe-119



54-Xe-119

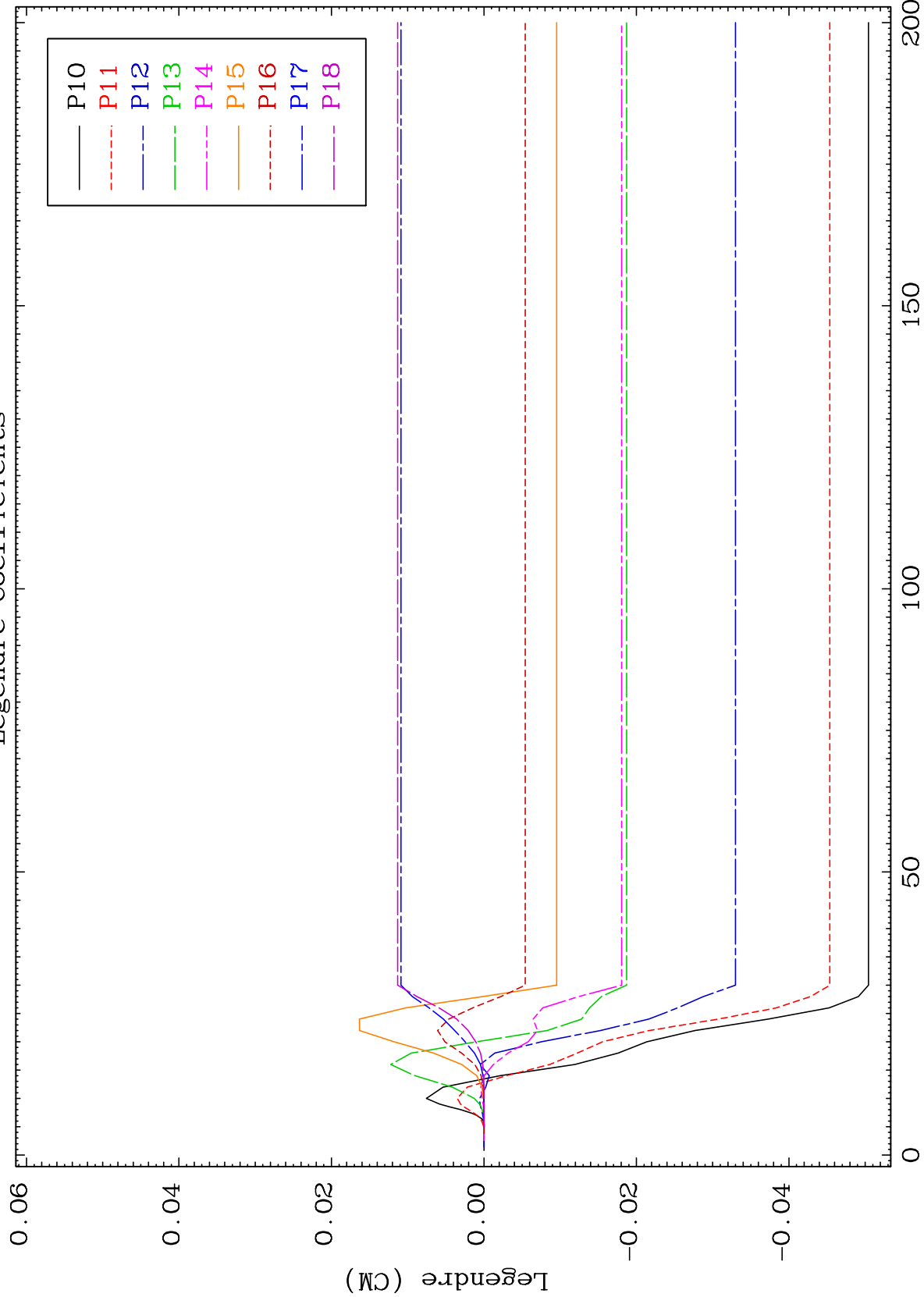
Incident Energy (MeV)

48

MAT 5410

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

54-Xe-119



49

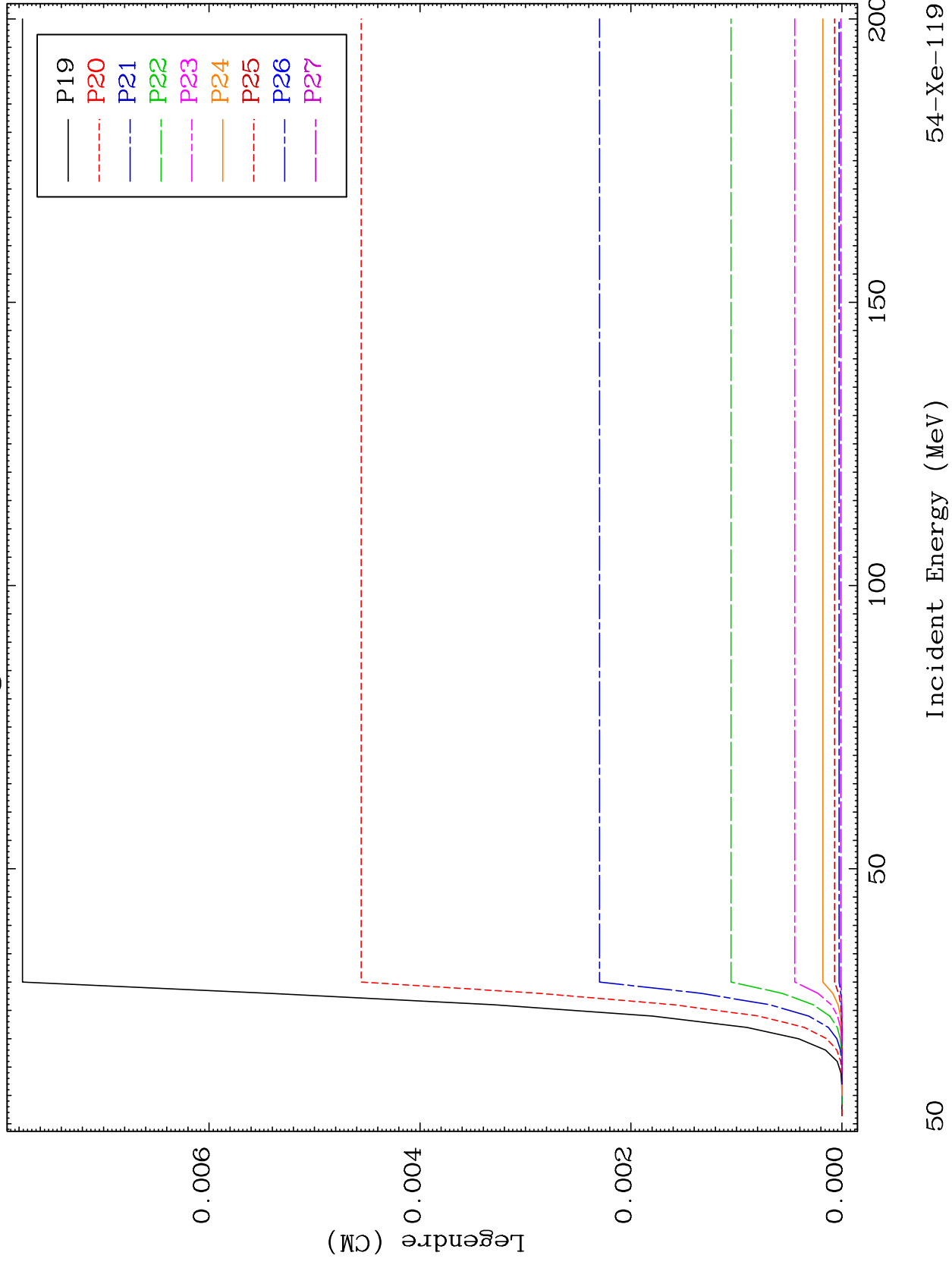
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



54-Xe-119

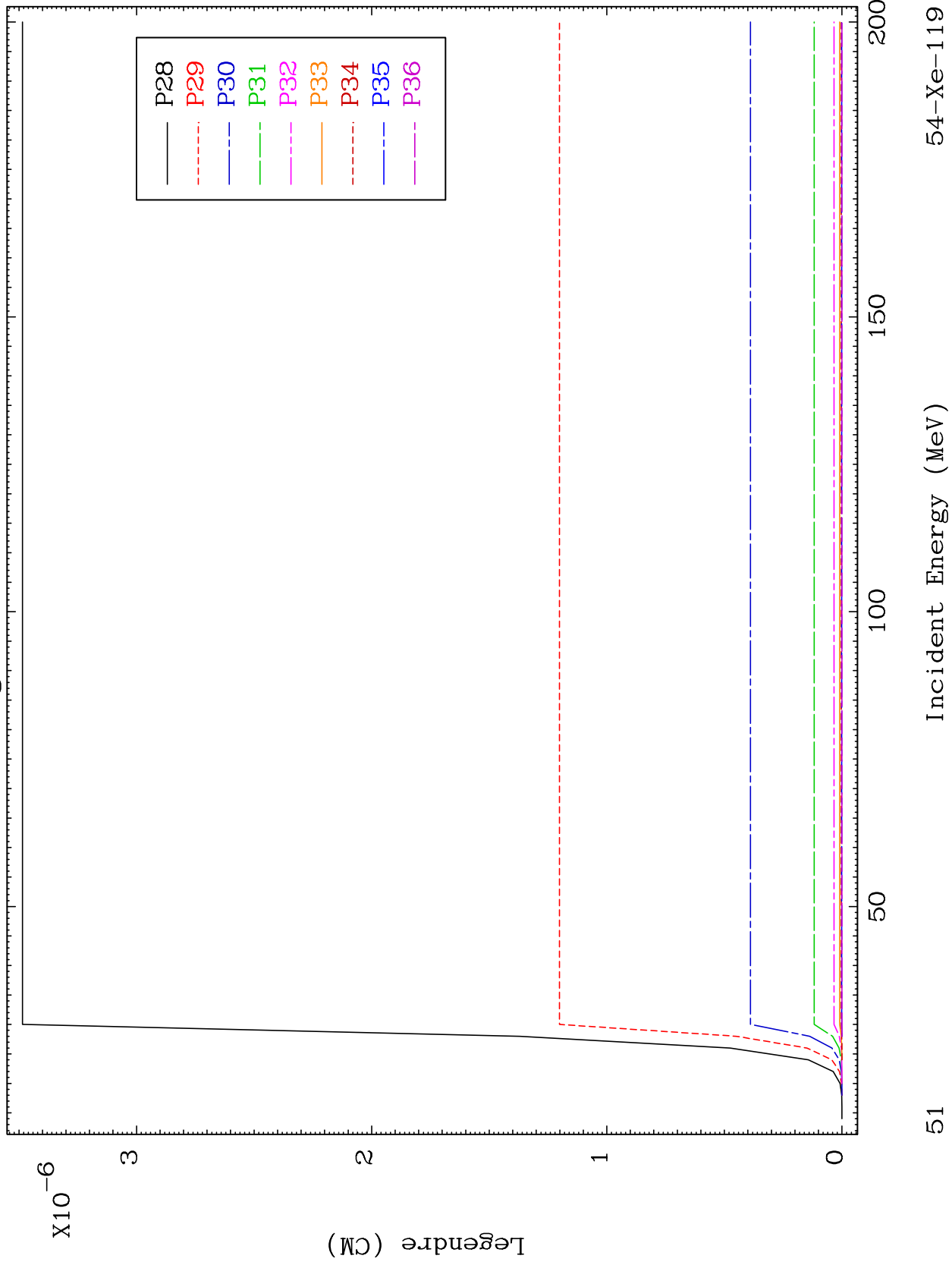
Incident Energy (MeV)

50

MAT 5410

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

54-Xe-119



51

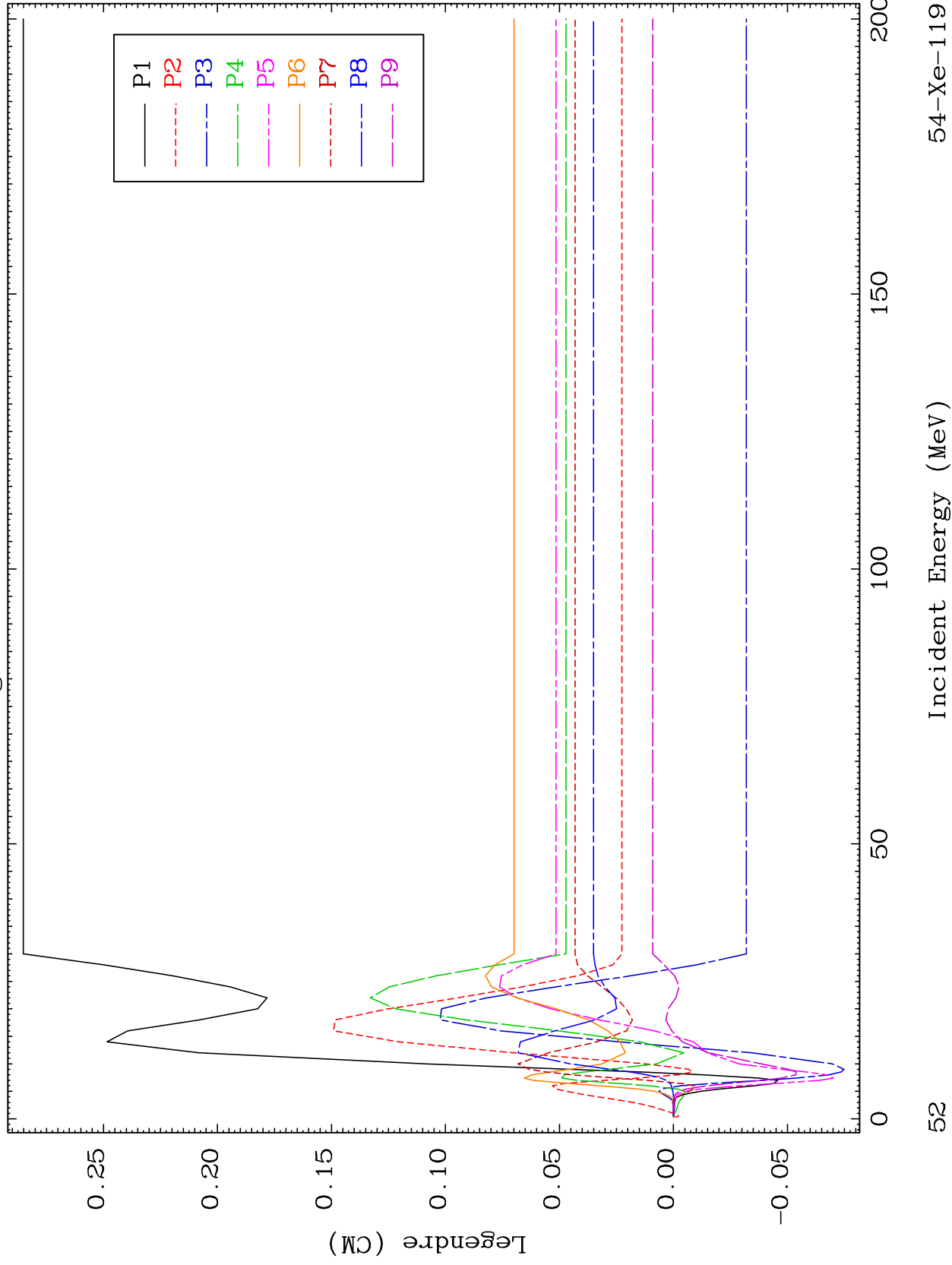
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

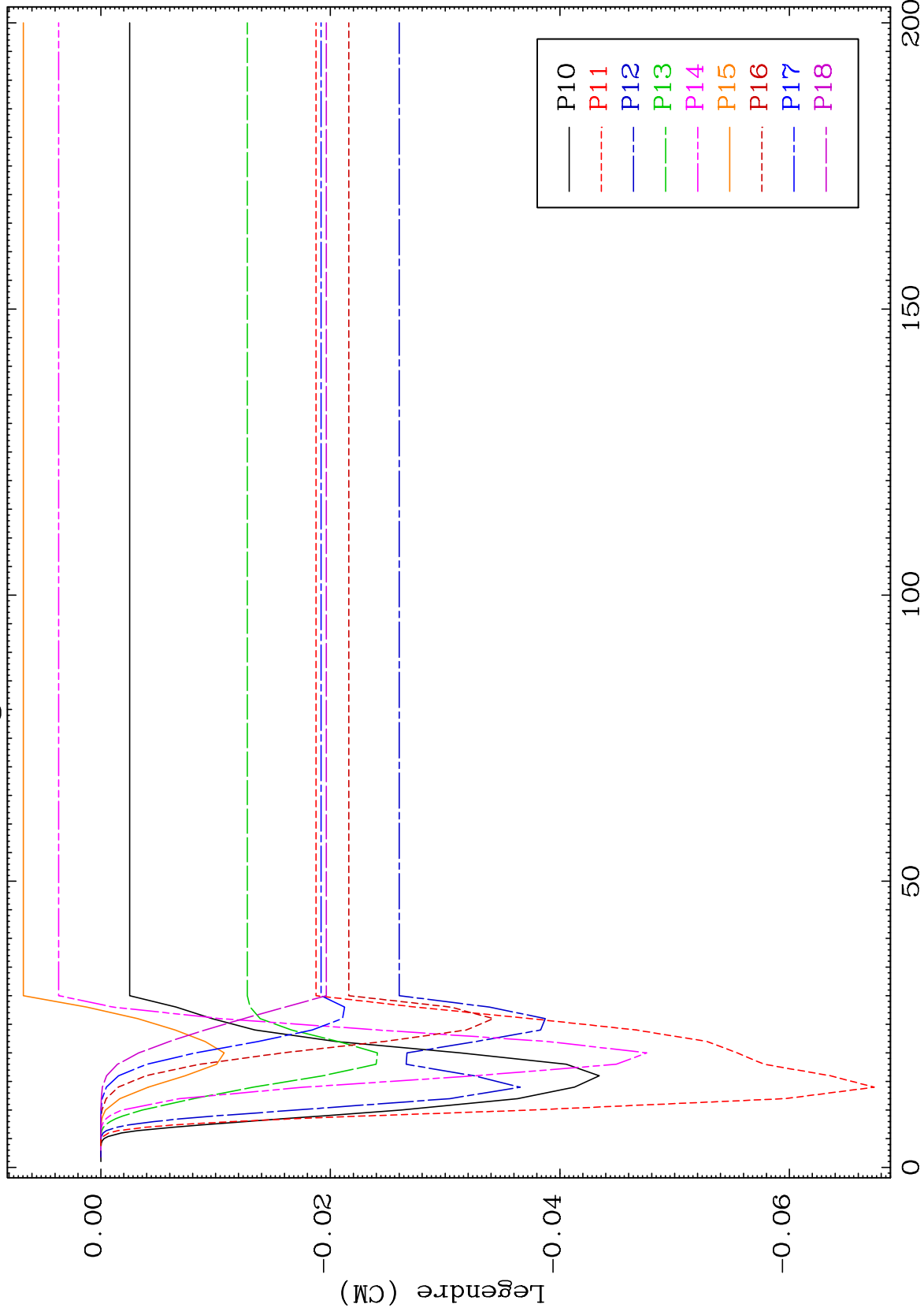
54-Xe-119



MAT 5410

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

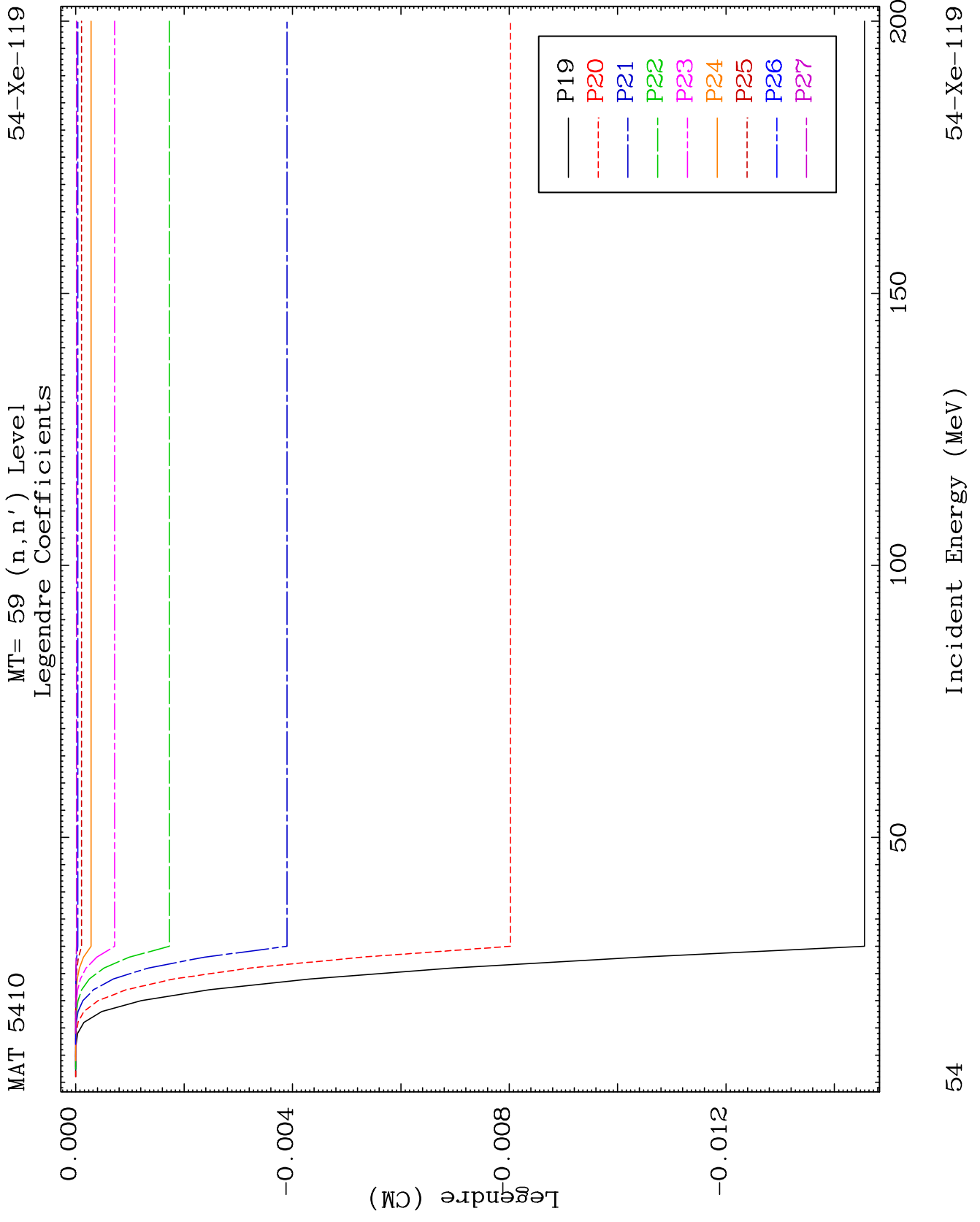
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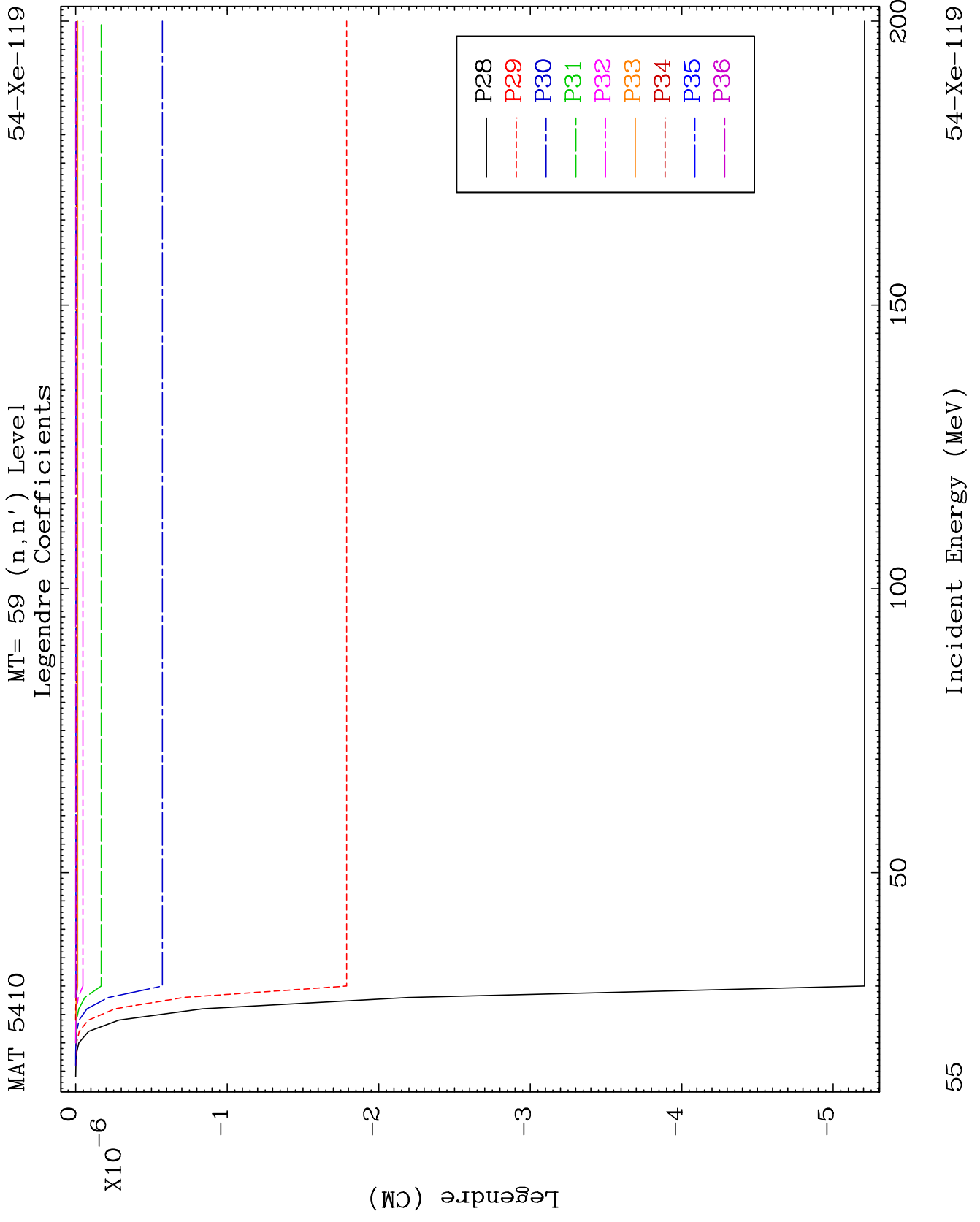


53

Incident Energy (MeV)

54-Xe-119



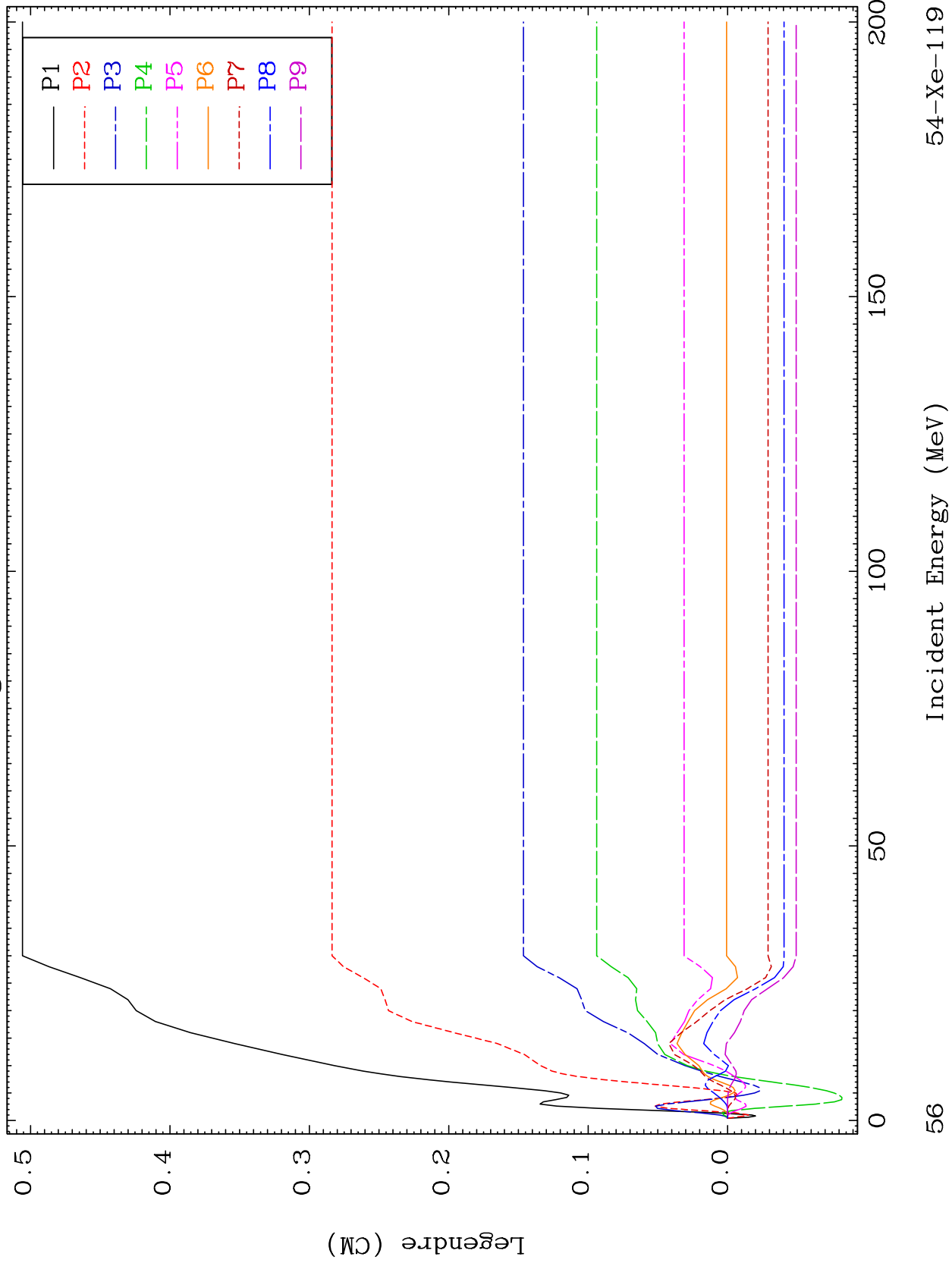




MAT 5410

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

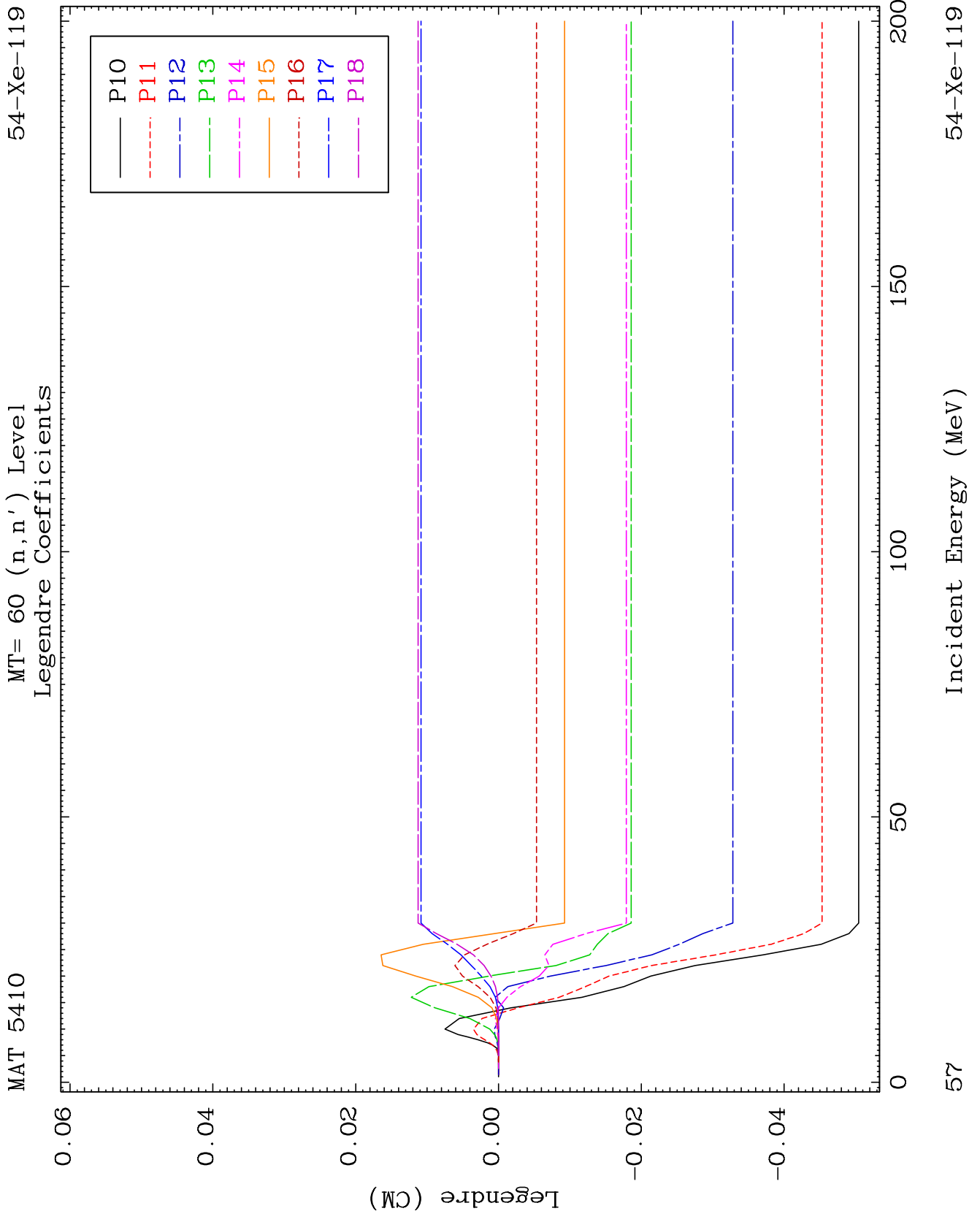
54-Xe-119



54-Xe-119

Incident Energy (MeV)

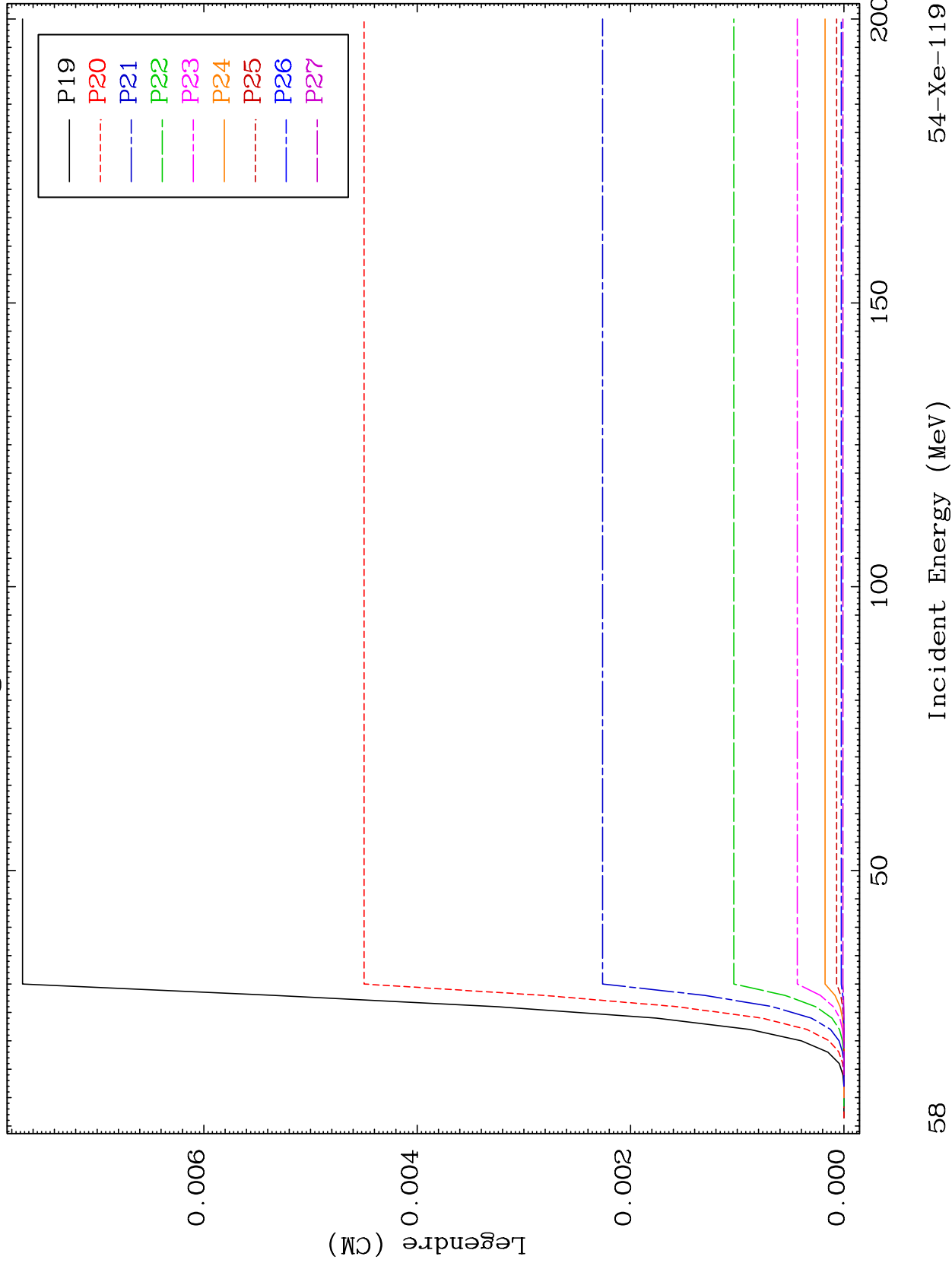
56



MAT 5410

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

54-Xe-119



54-Xe-119

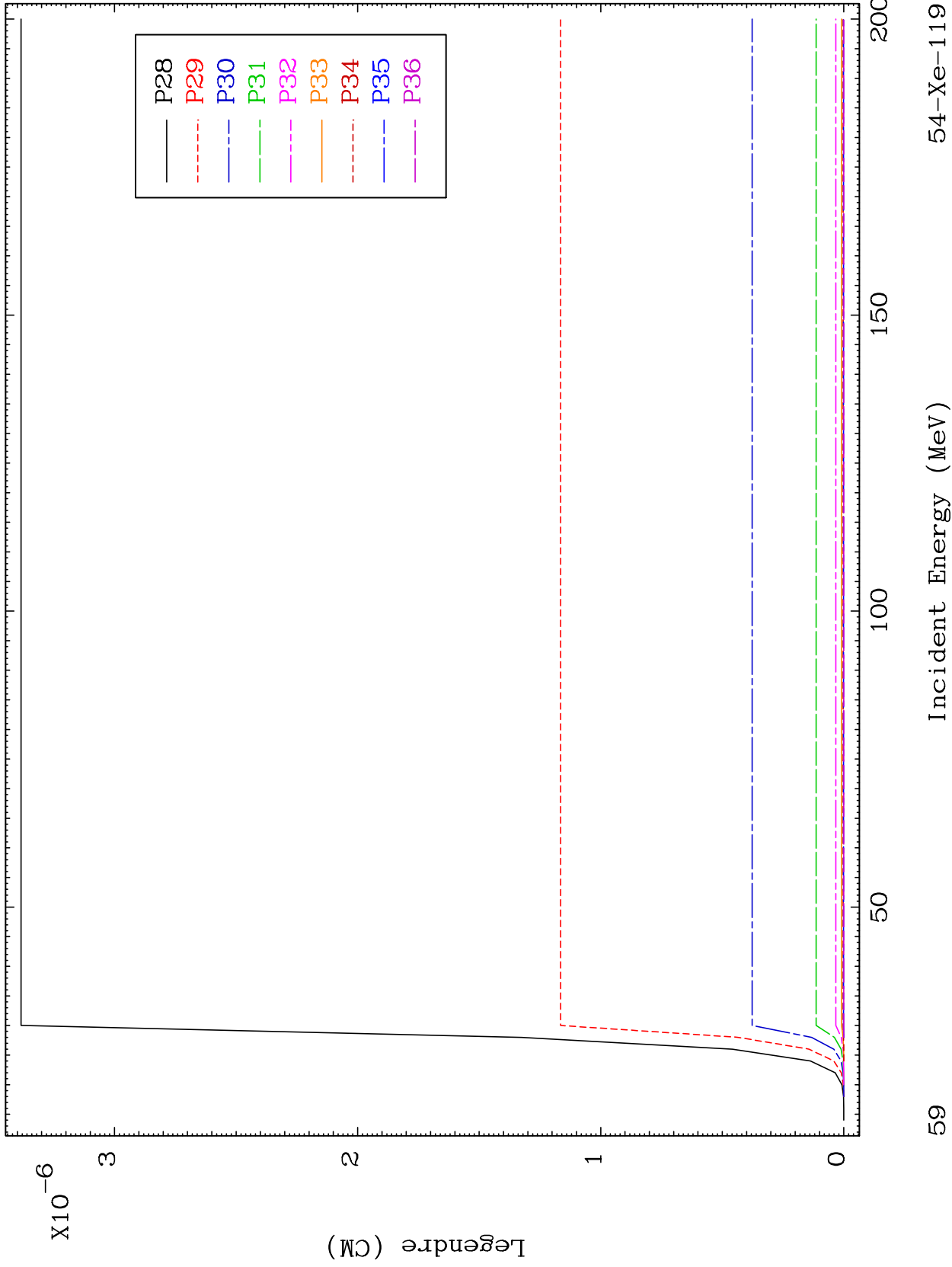
Incident Energy (MeV)

58

MAT 5410

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

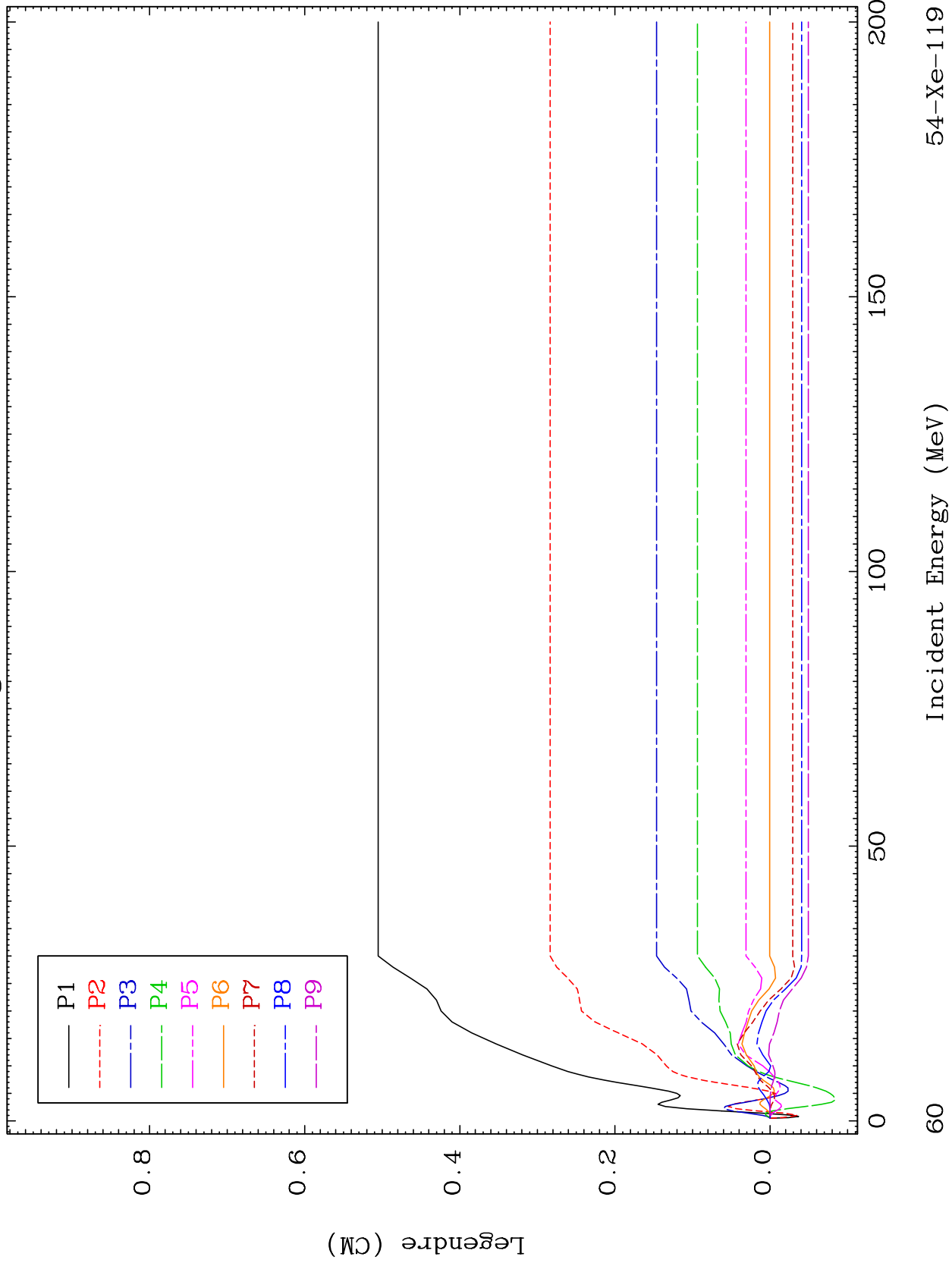
54-Xe-119



MAT 5410

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

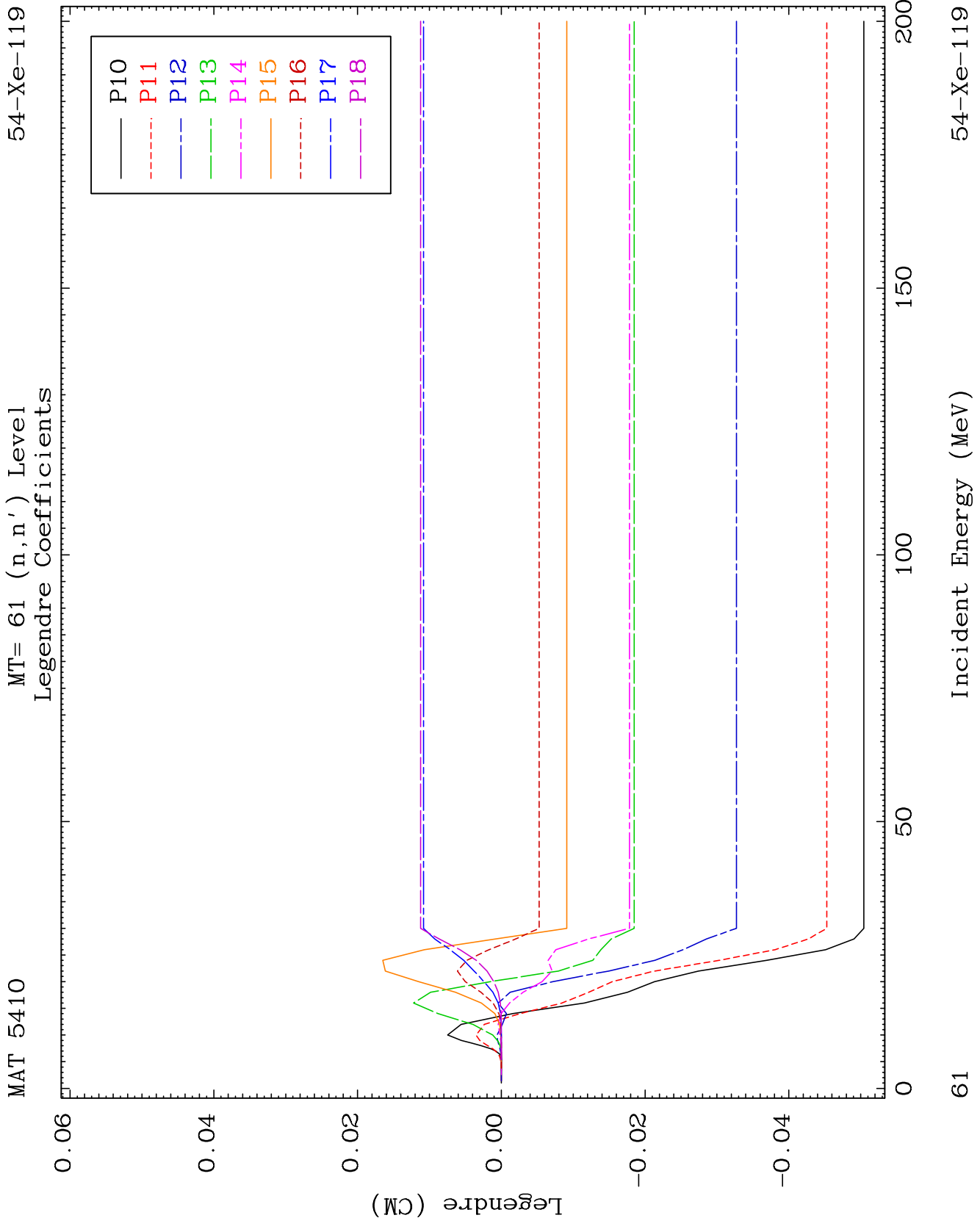
54-Xe-119



54-Xe-119

Incident Energy (MeV)

60



54-Xe-119

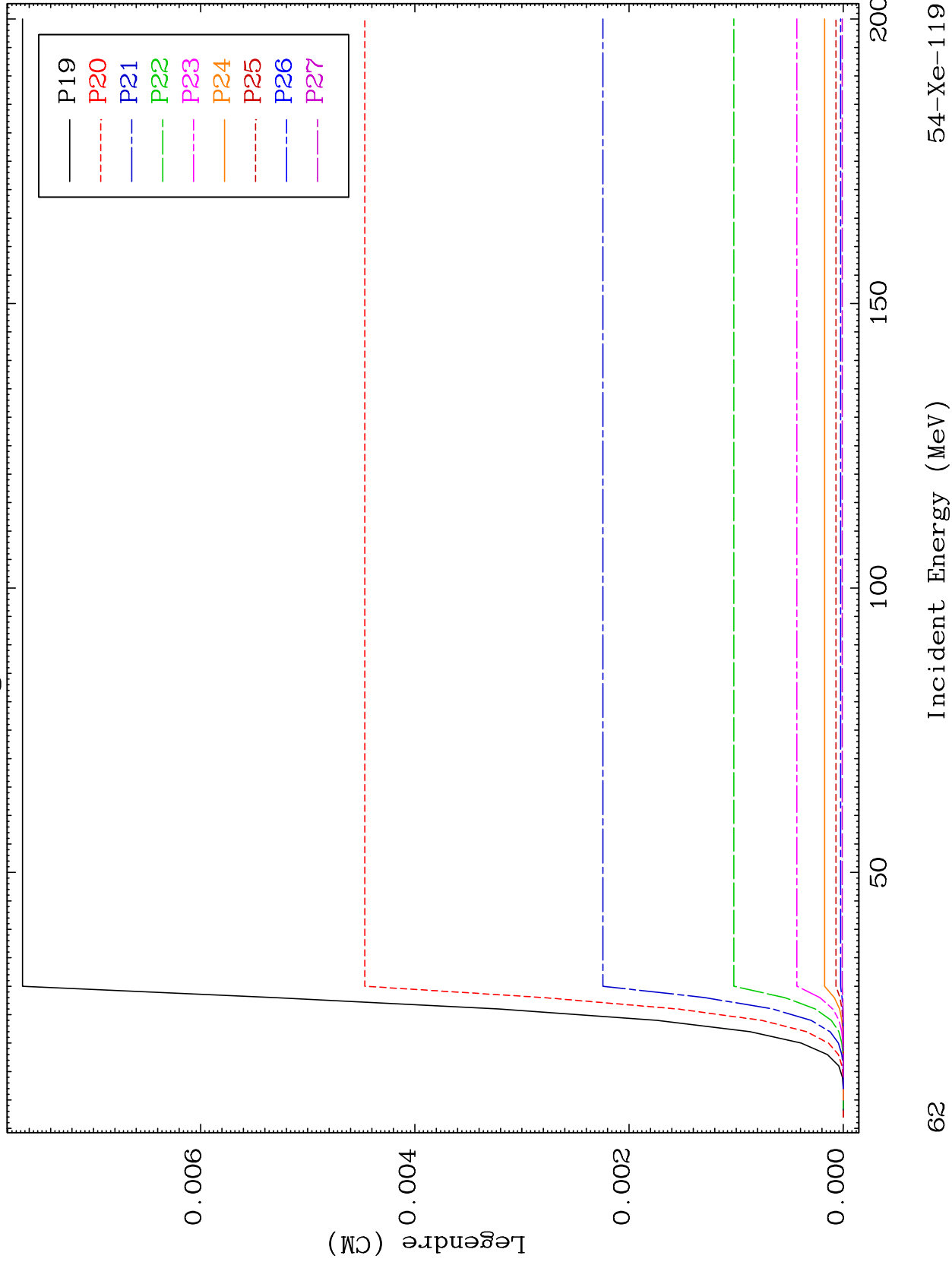
Incident Energy (MeV)

61

MAT 5410

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

54-Xe-119



62

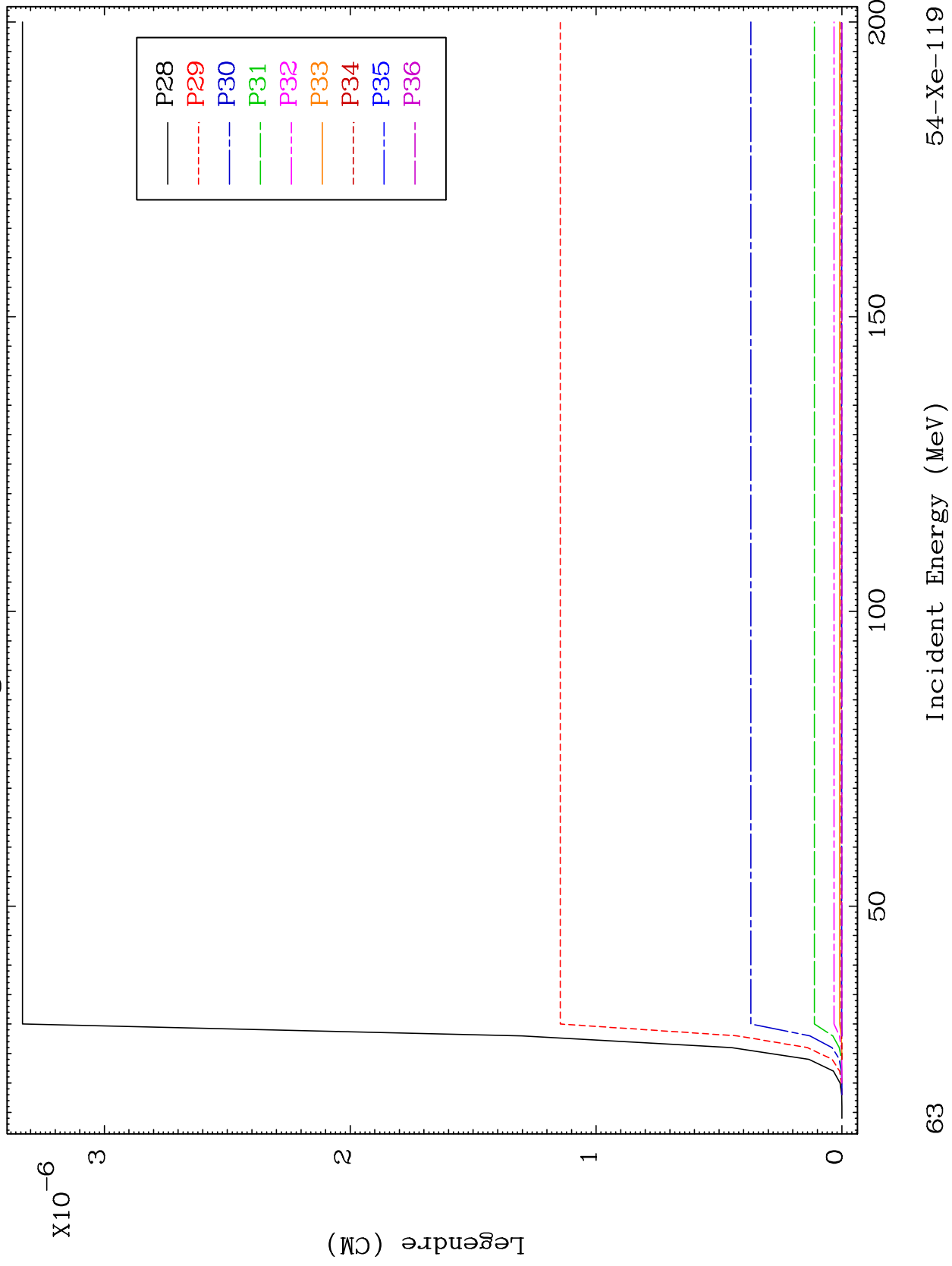
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



63

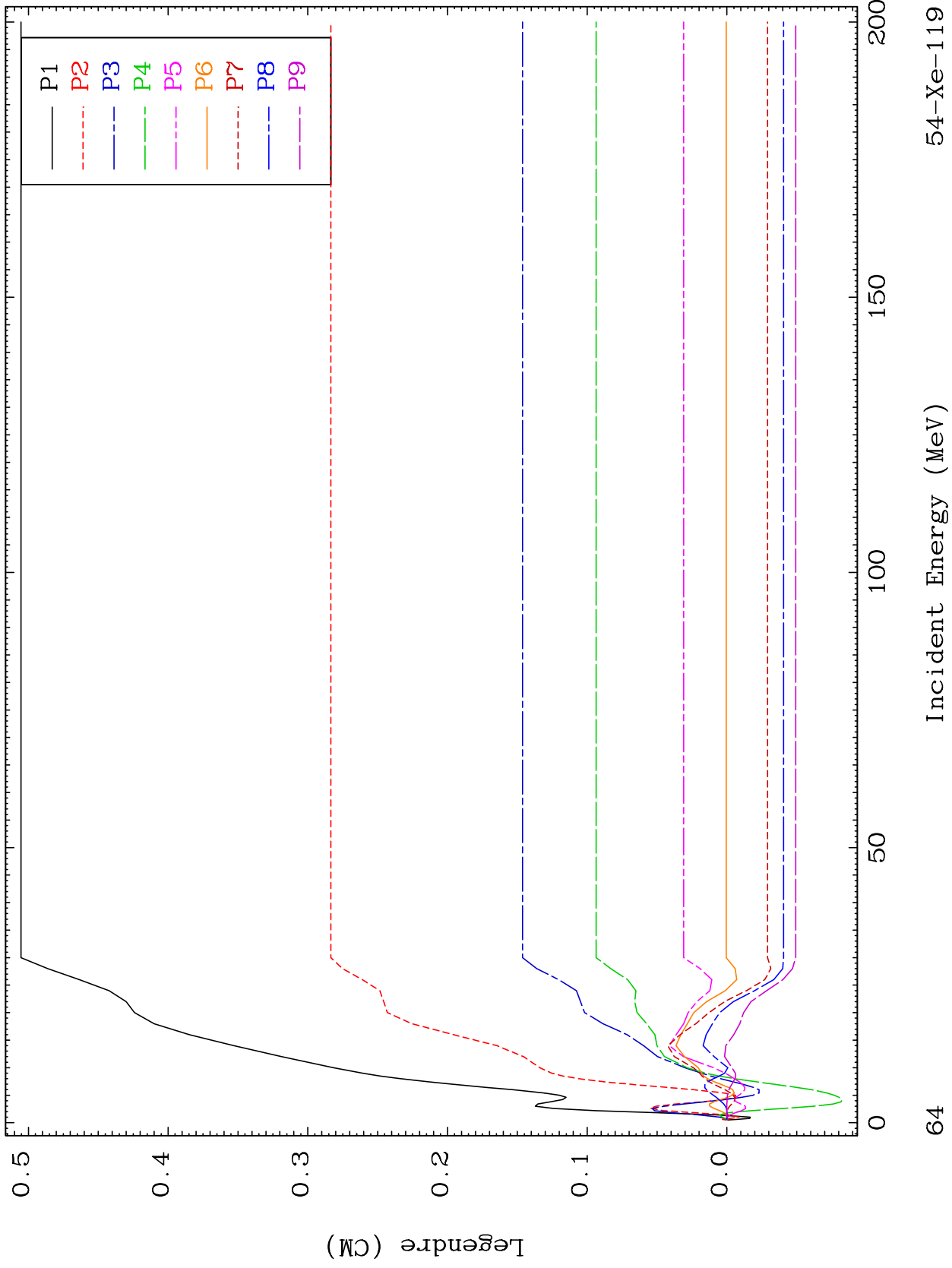
54-Xe-119



MAT 5410

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

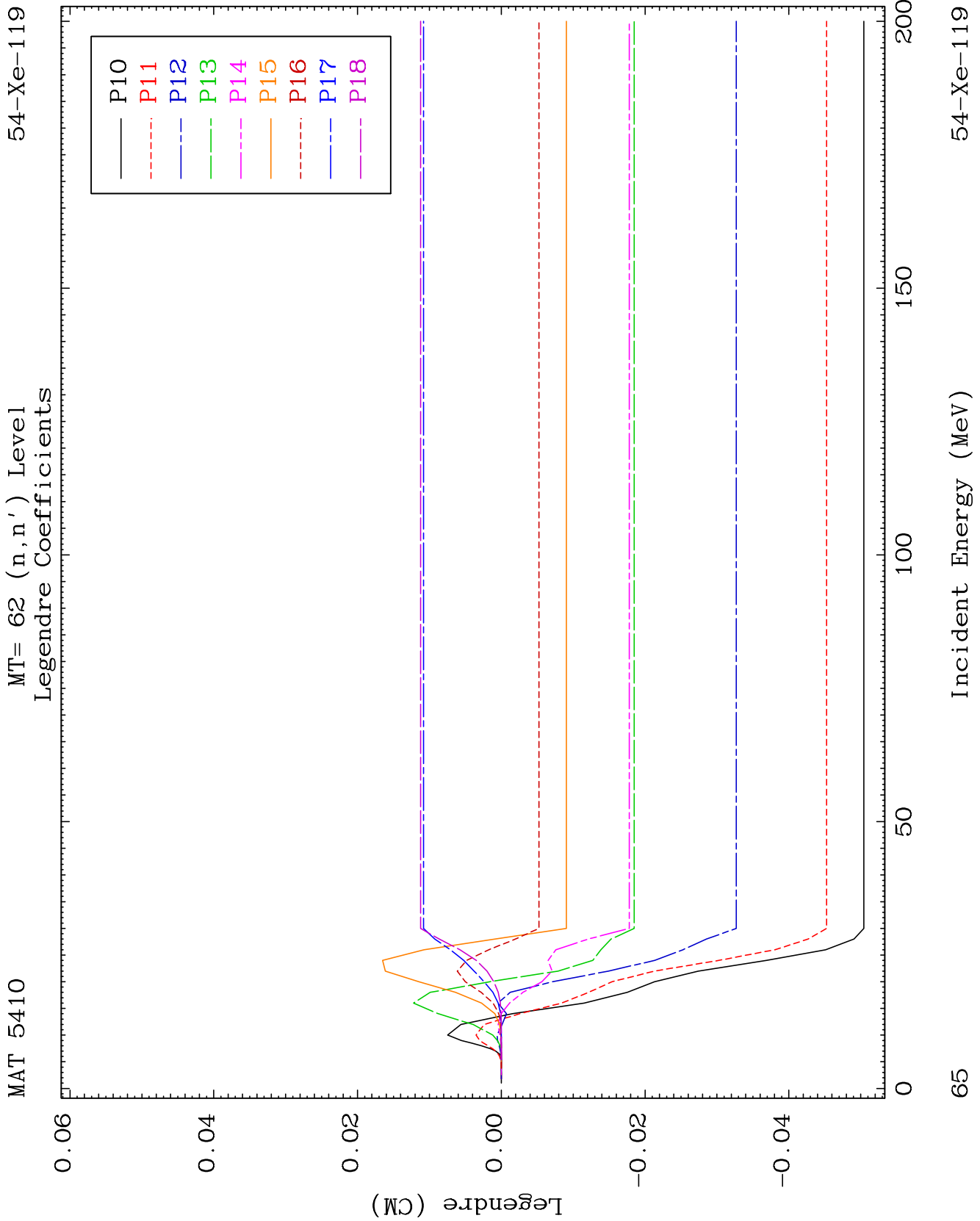
54-Xe-119



54-Xe-119

Incident Energy (MeV)

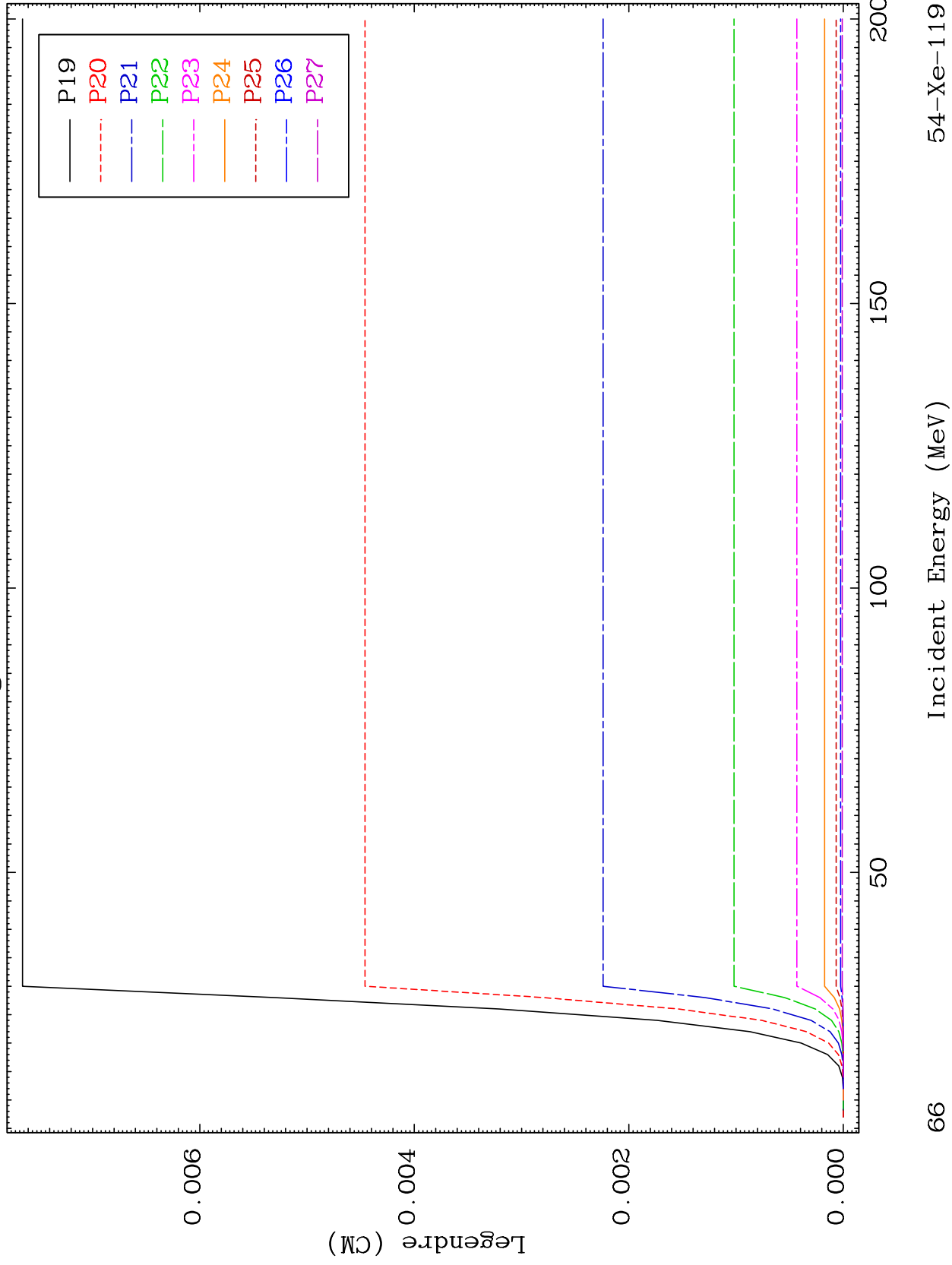
64



MAT 5410

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

54-Xe-119



66

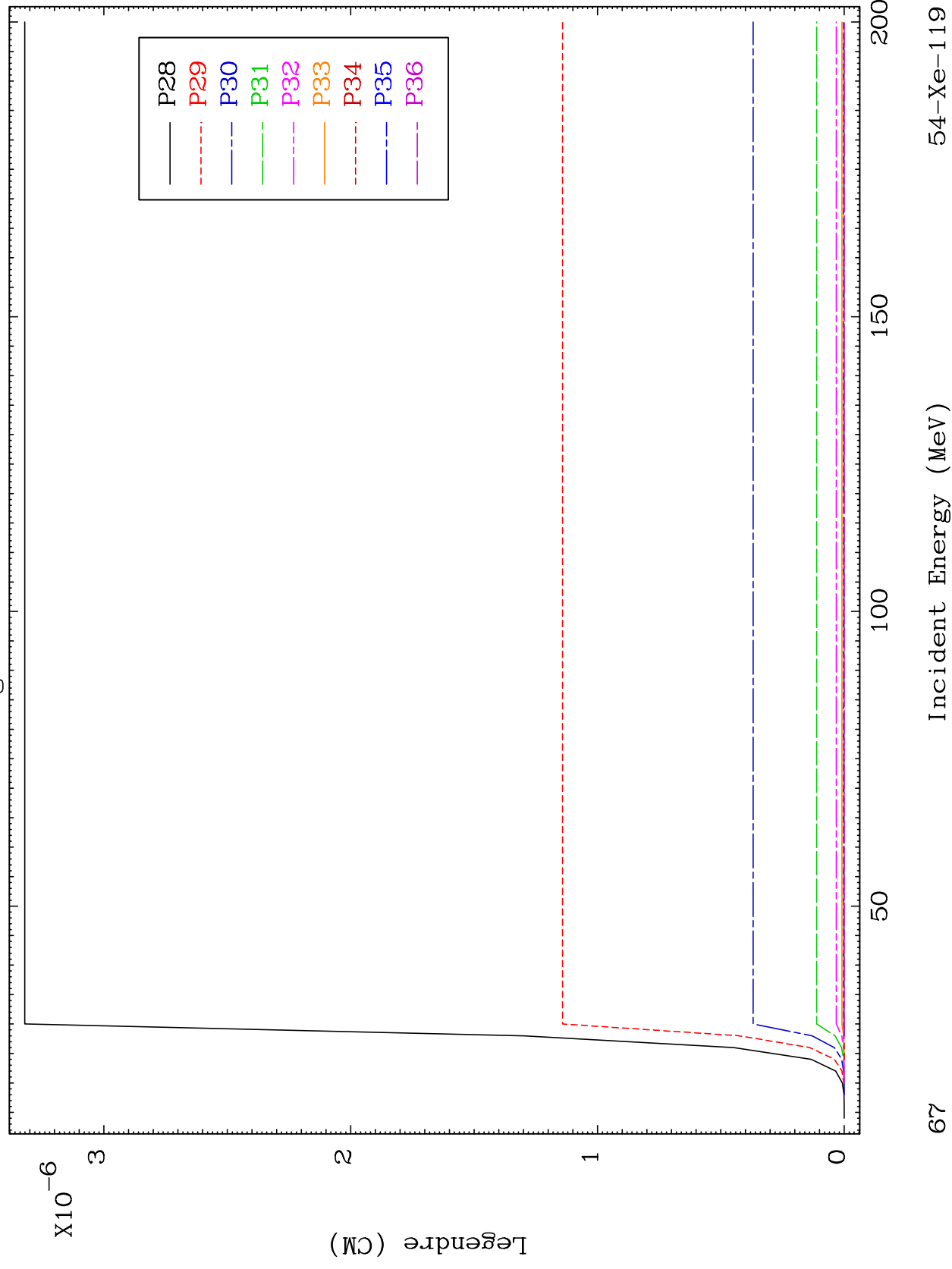
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

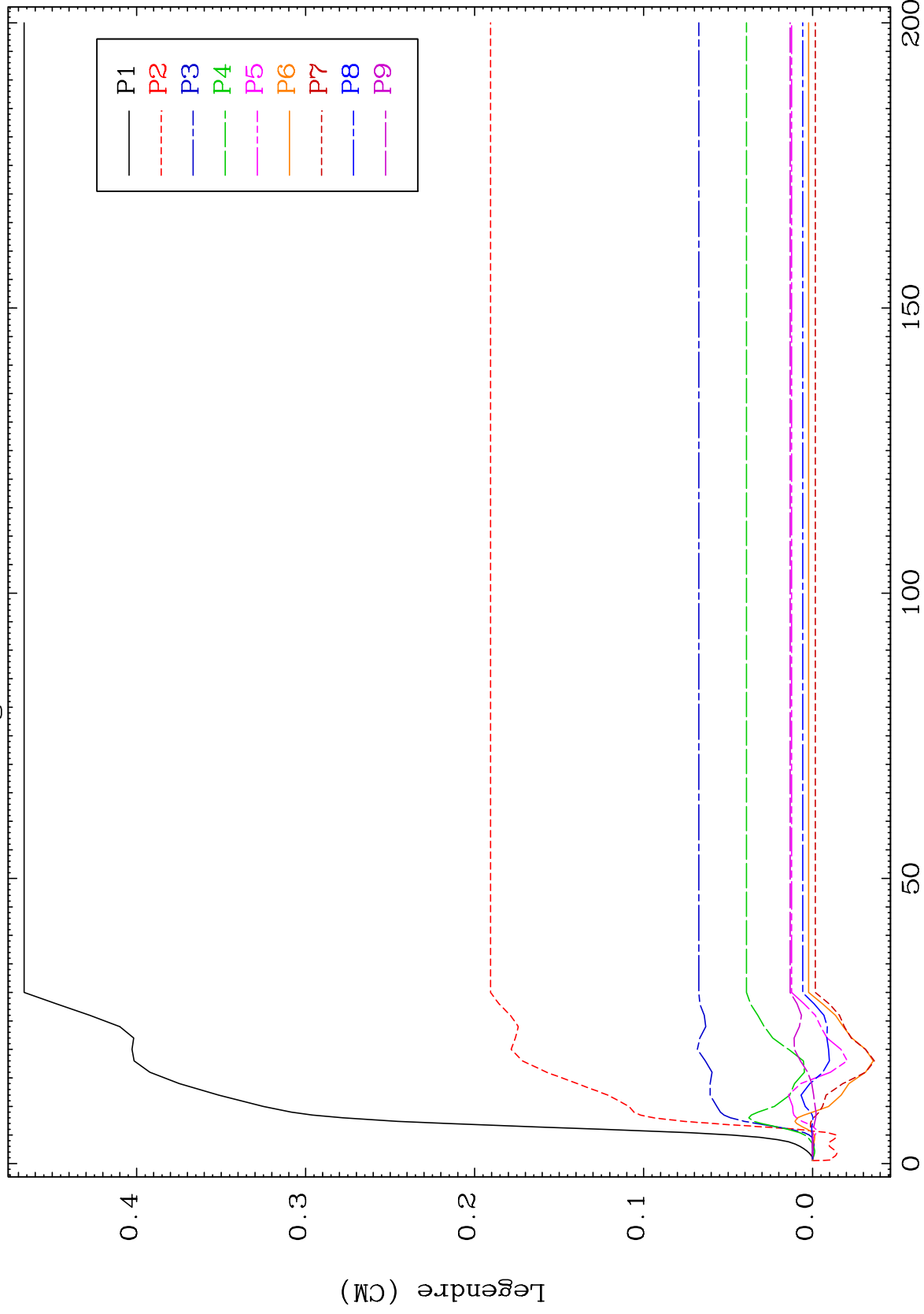
54-Xe-119



MAT 5410

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

54-Xe-119



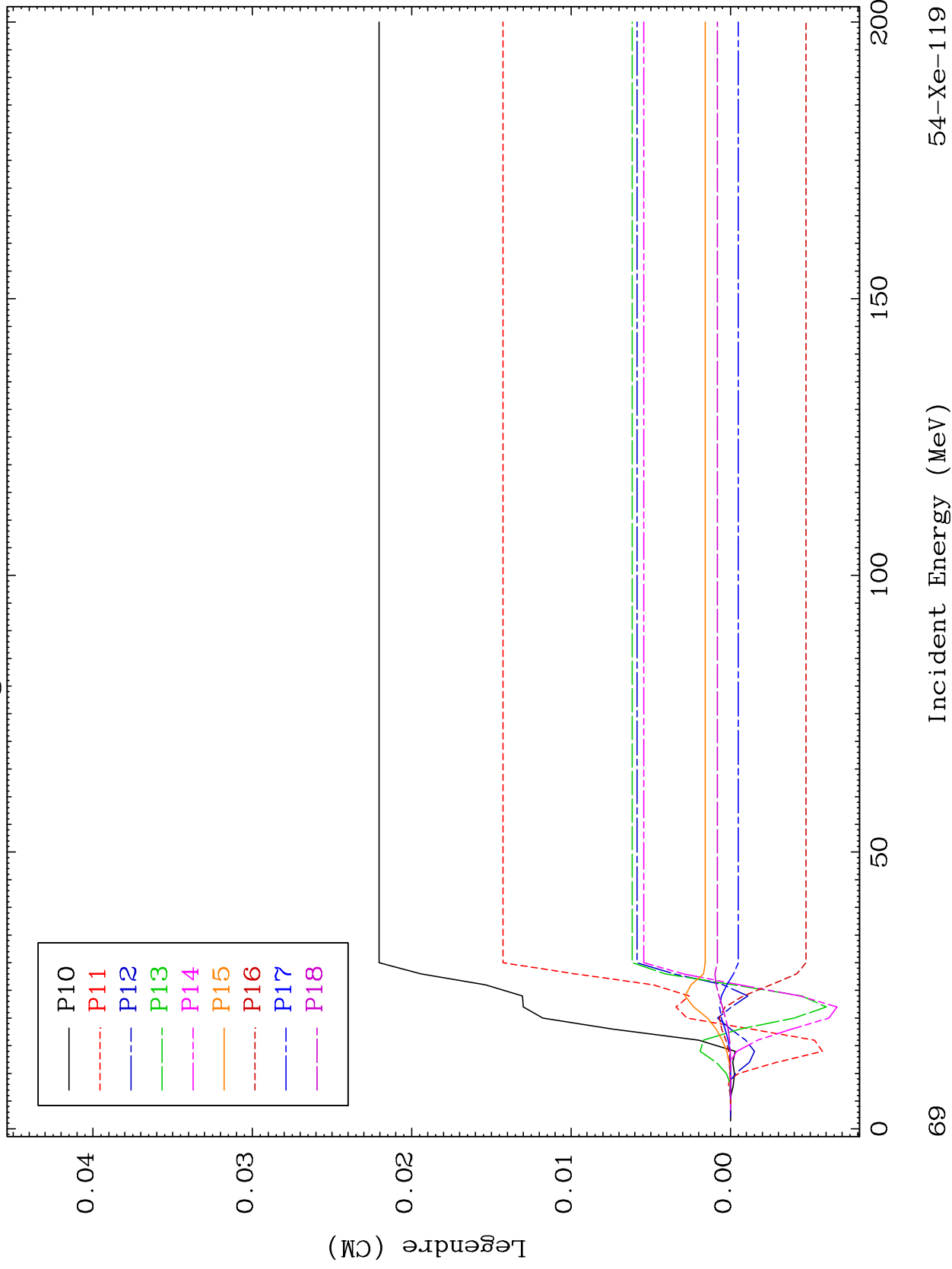
68

54-Xe-119

MAT 5410

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

54-Xe-119



54-Xe-119

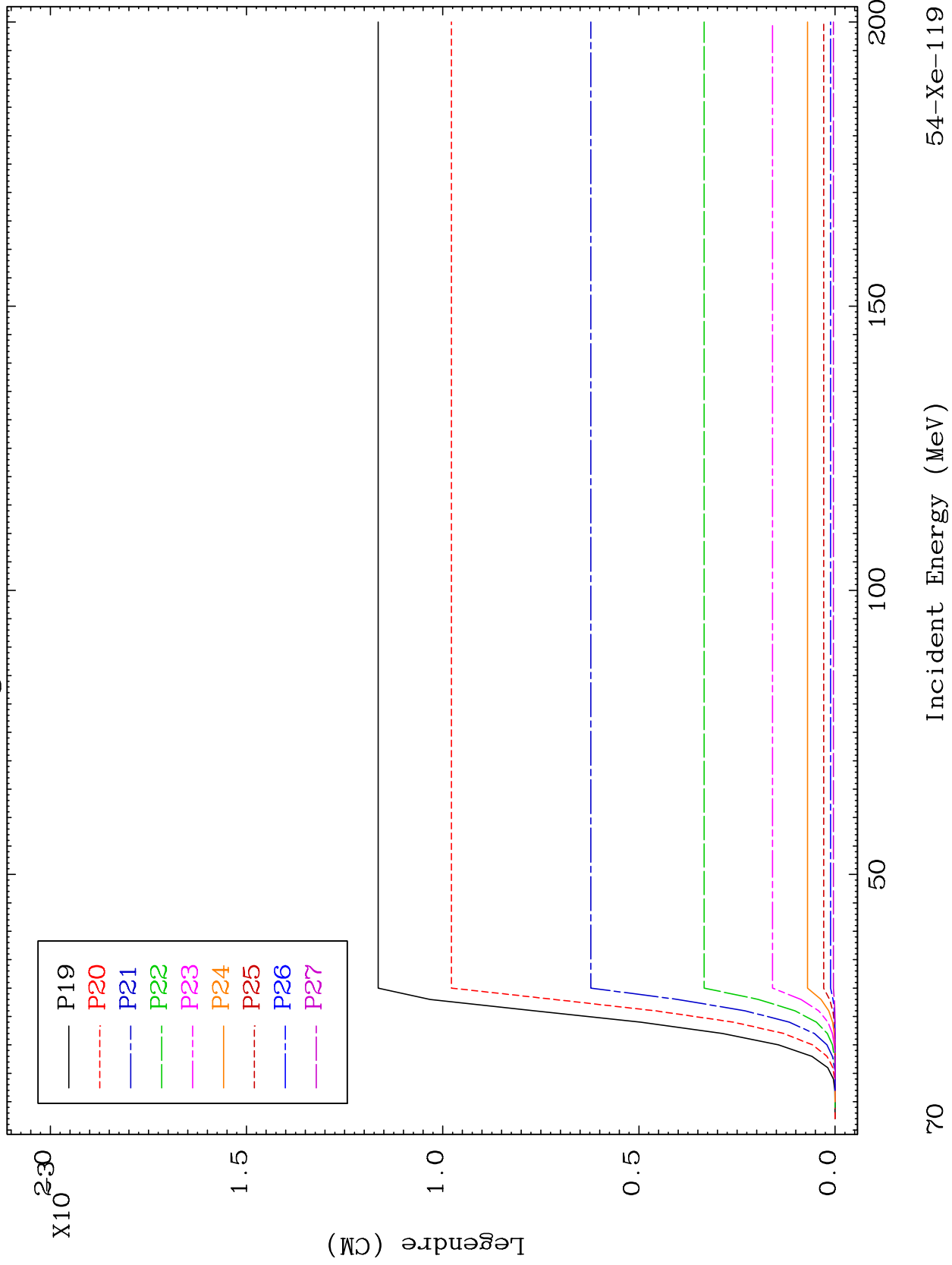
Incident Energy (MeV)

69

MAT 5410

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

54-Xe-119



70

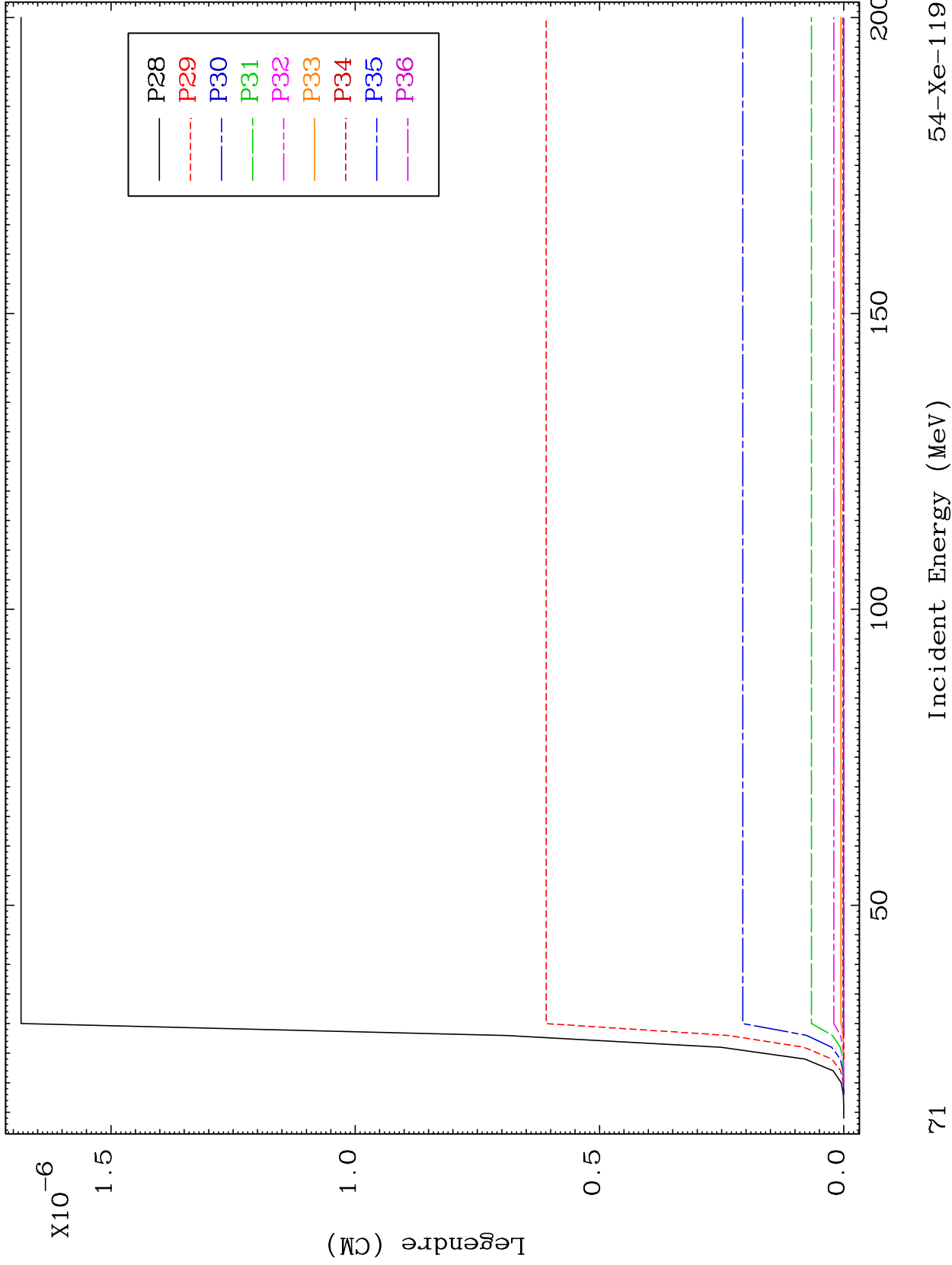
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119

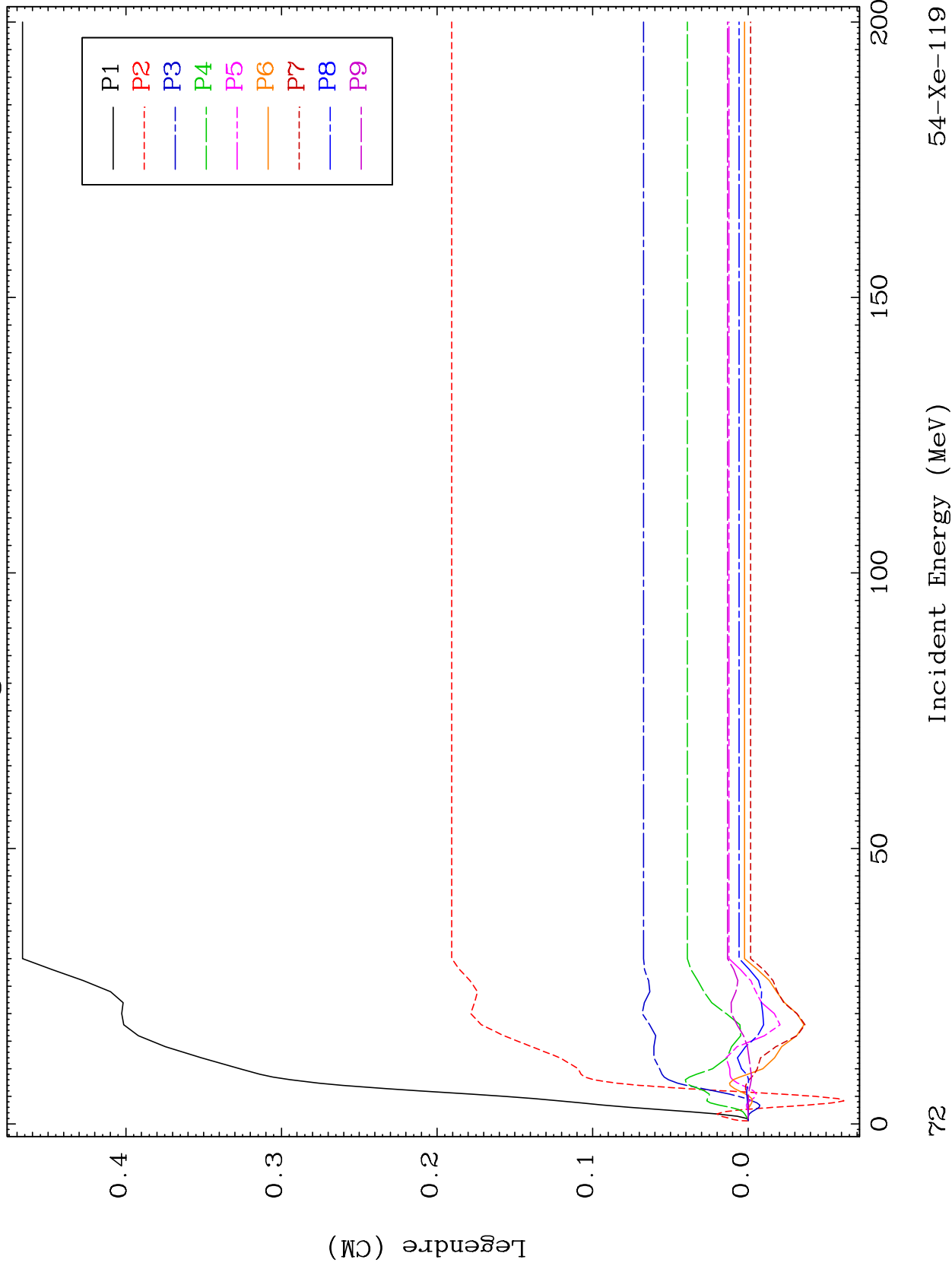




MAT 5410

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

54-Xe-119



54-Xe-119

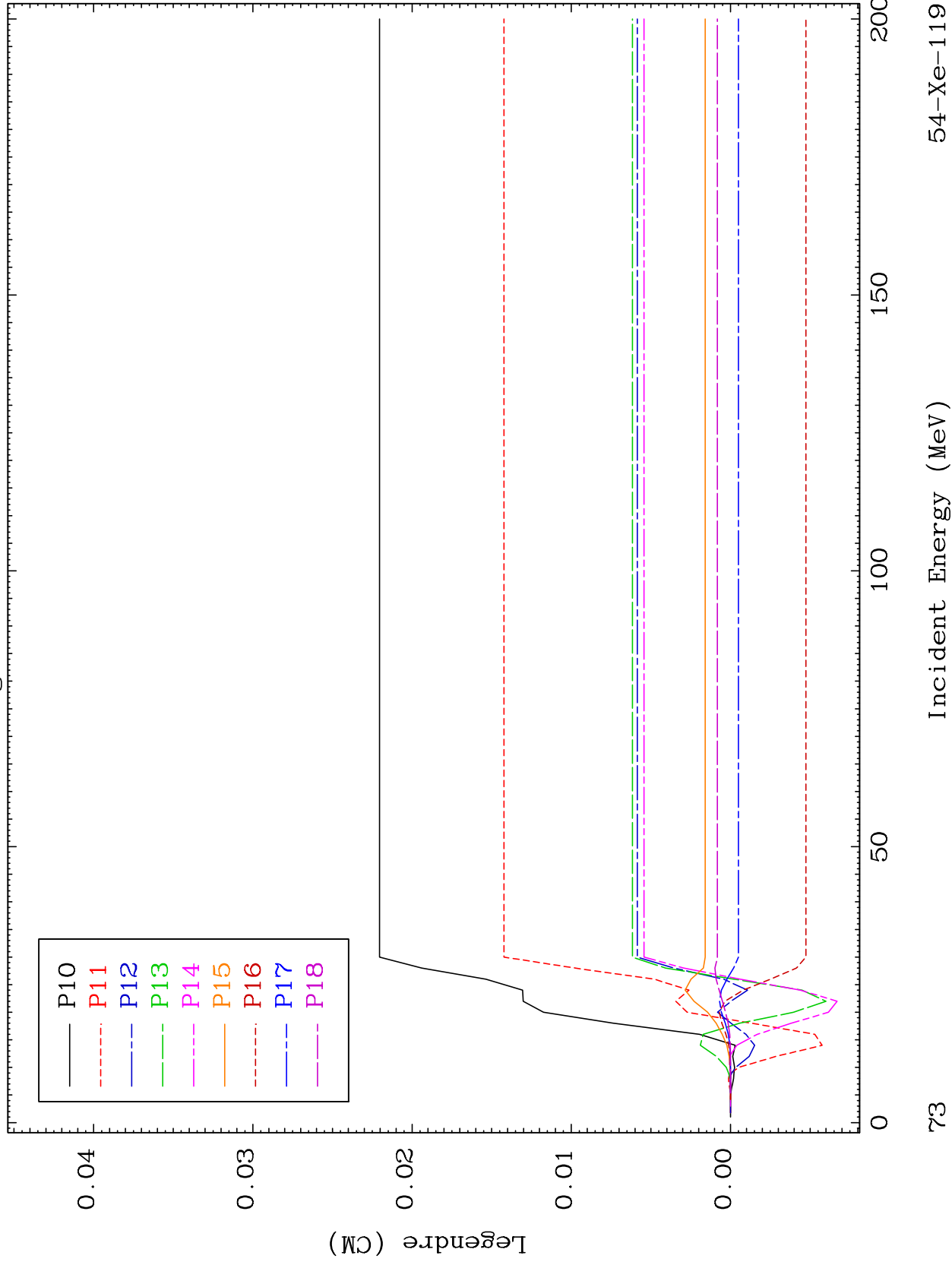
Incident Energy (MeV)

72

MAT 5410

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

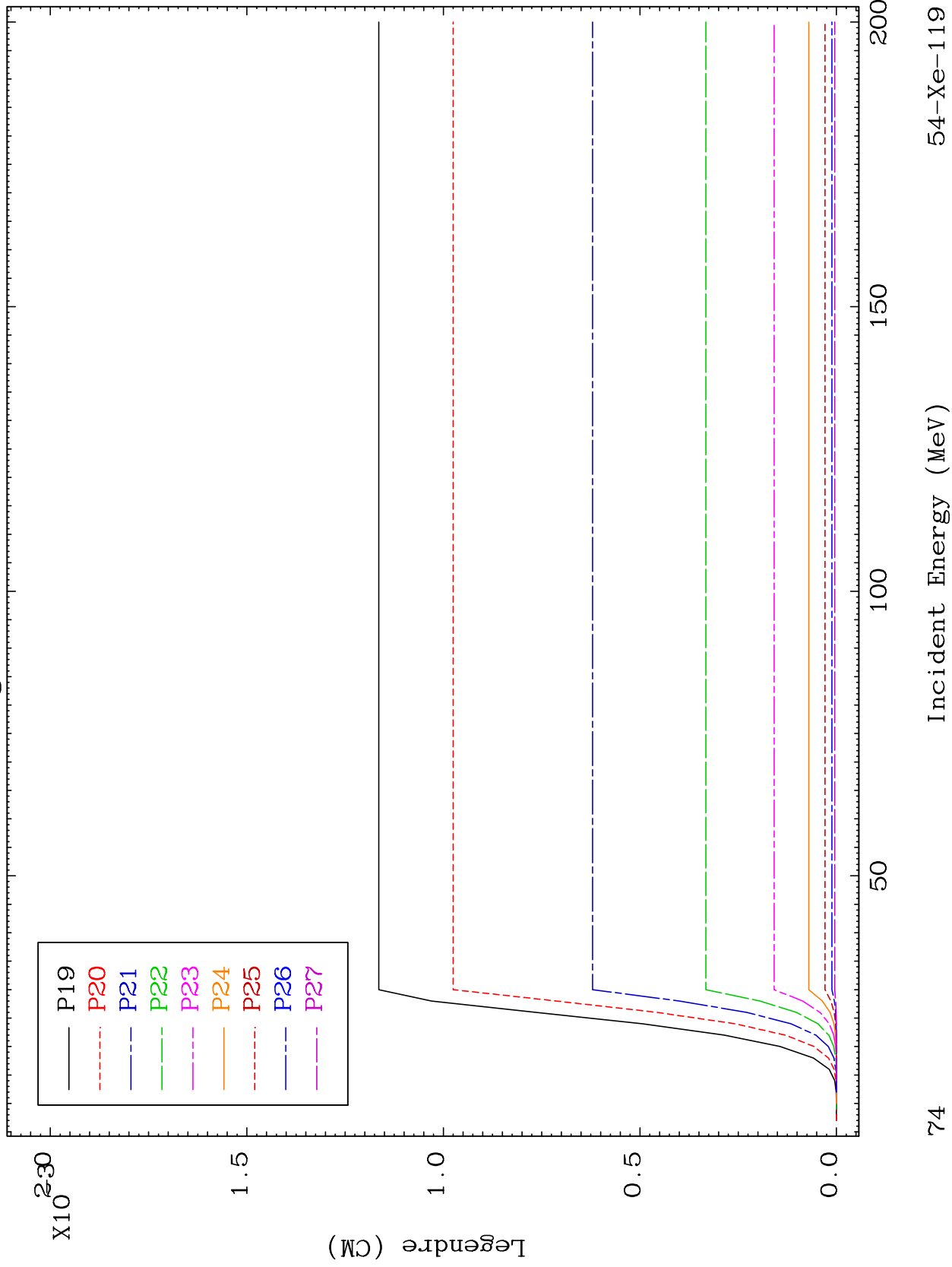
54-Xe-119



MAT 5410

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

54-Xe-119



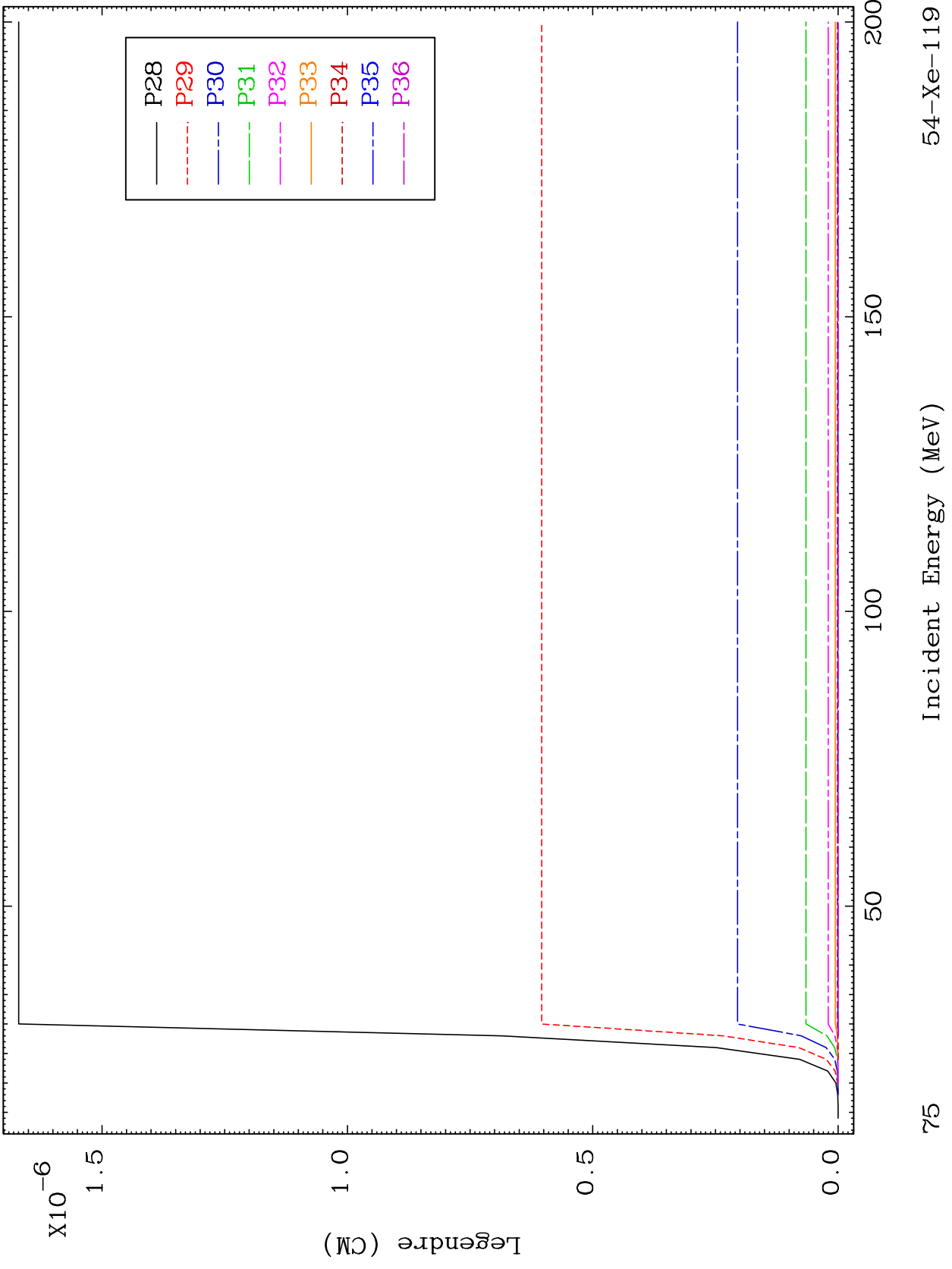
74

54-Xe-119

MAT 5410

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

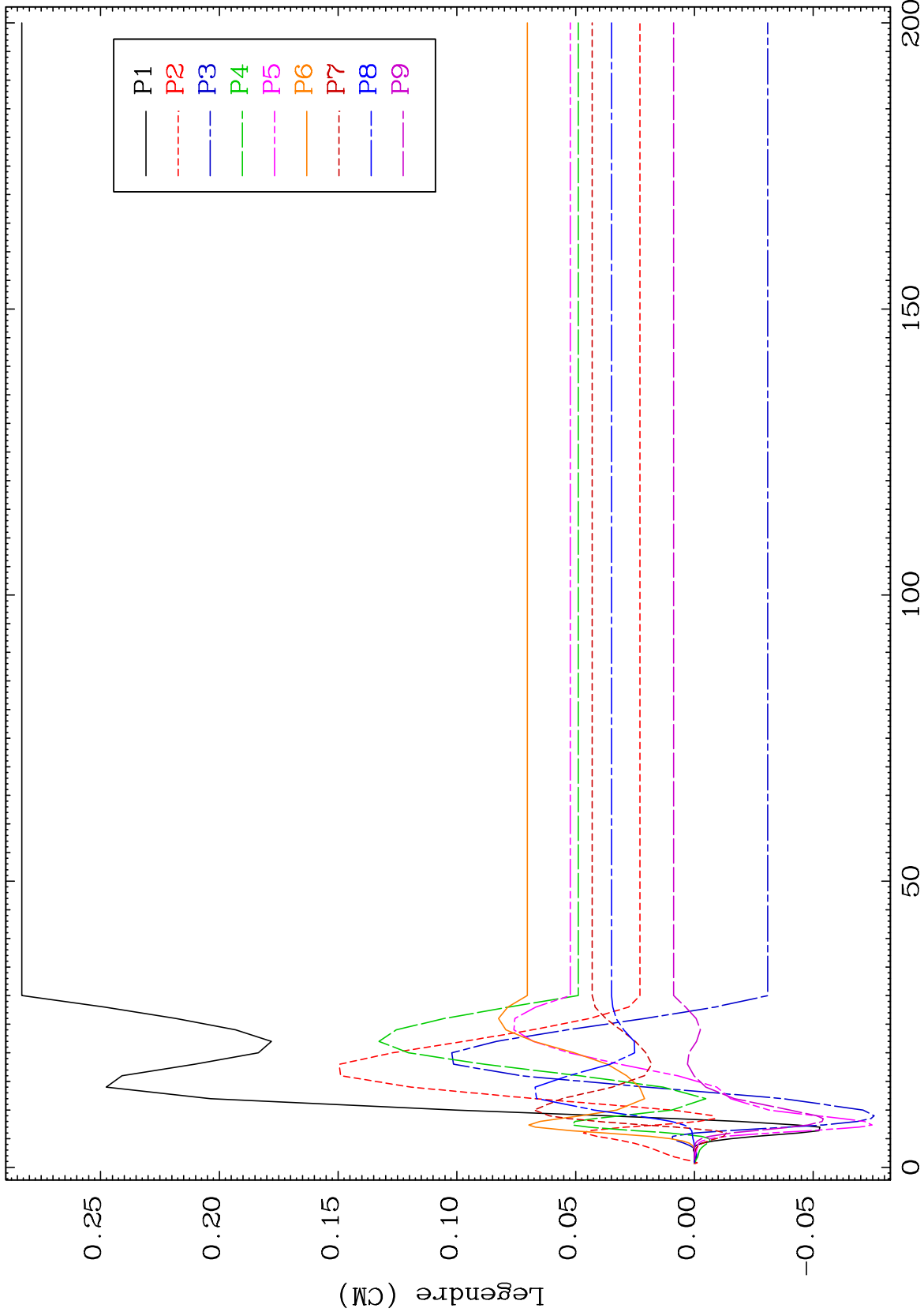
54-Xe-119



MAT 5410

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

54-Xe-119



76

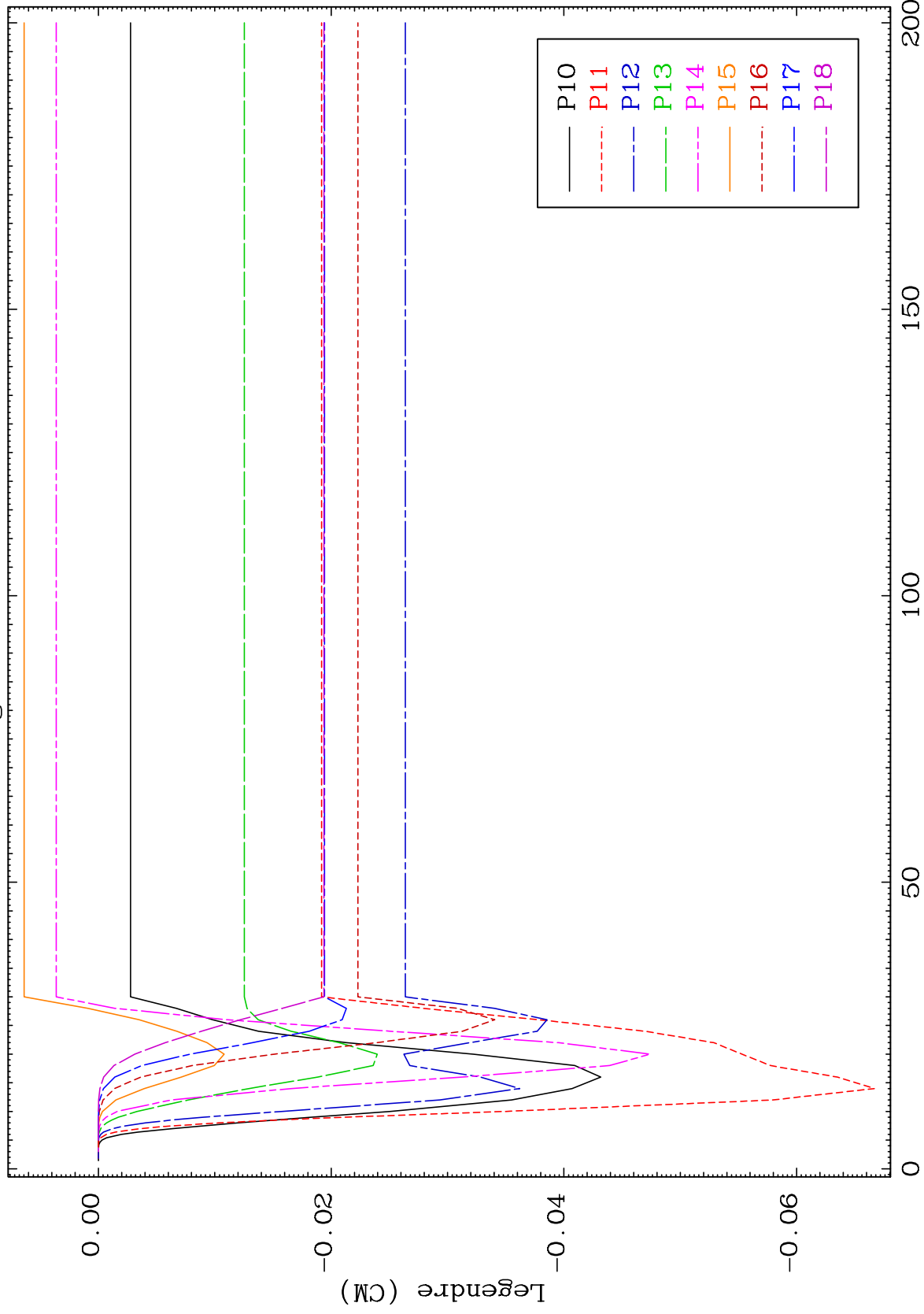
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

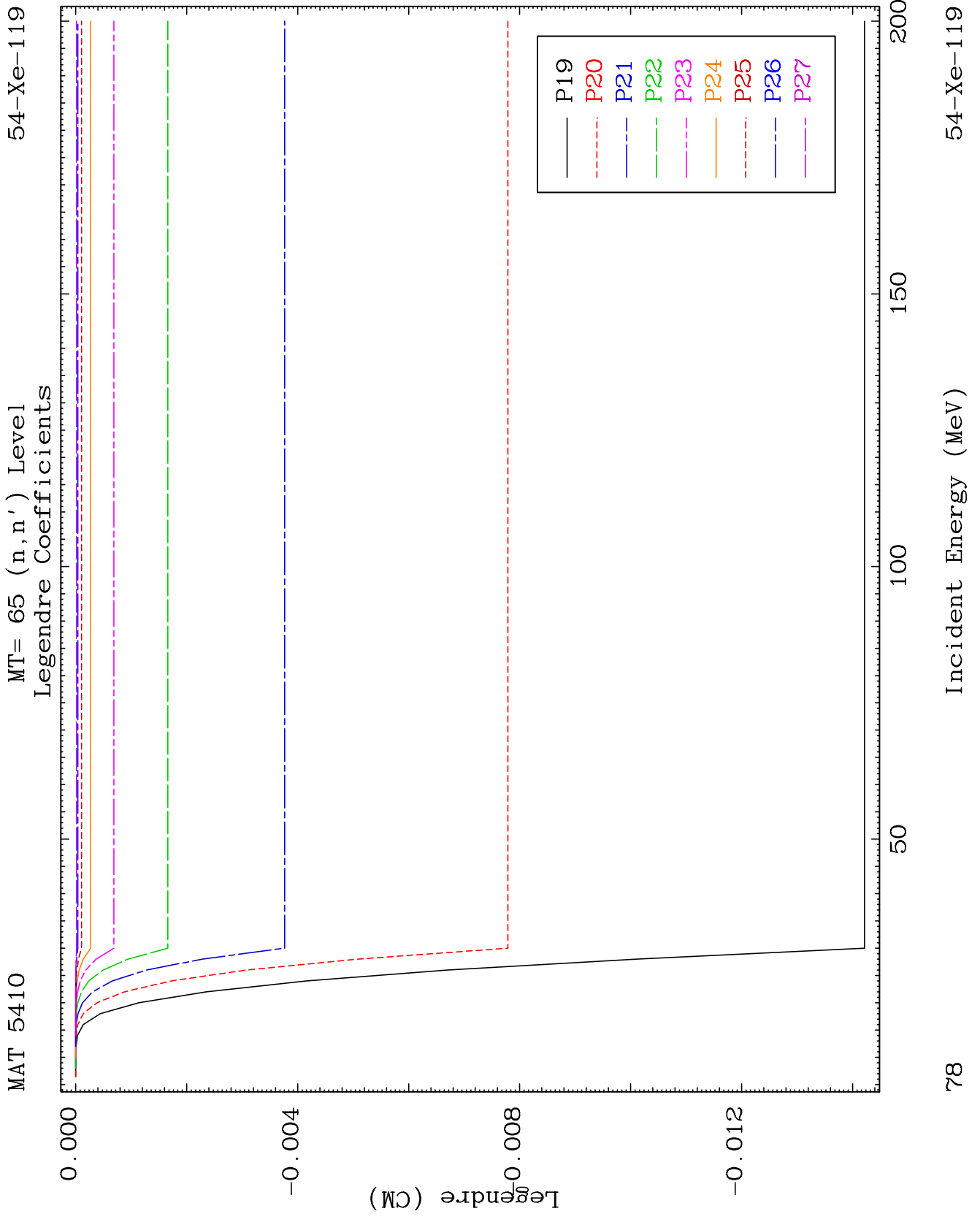
54-Xe-119

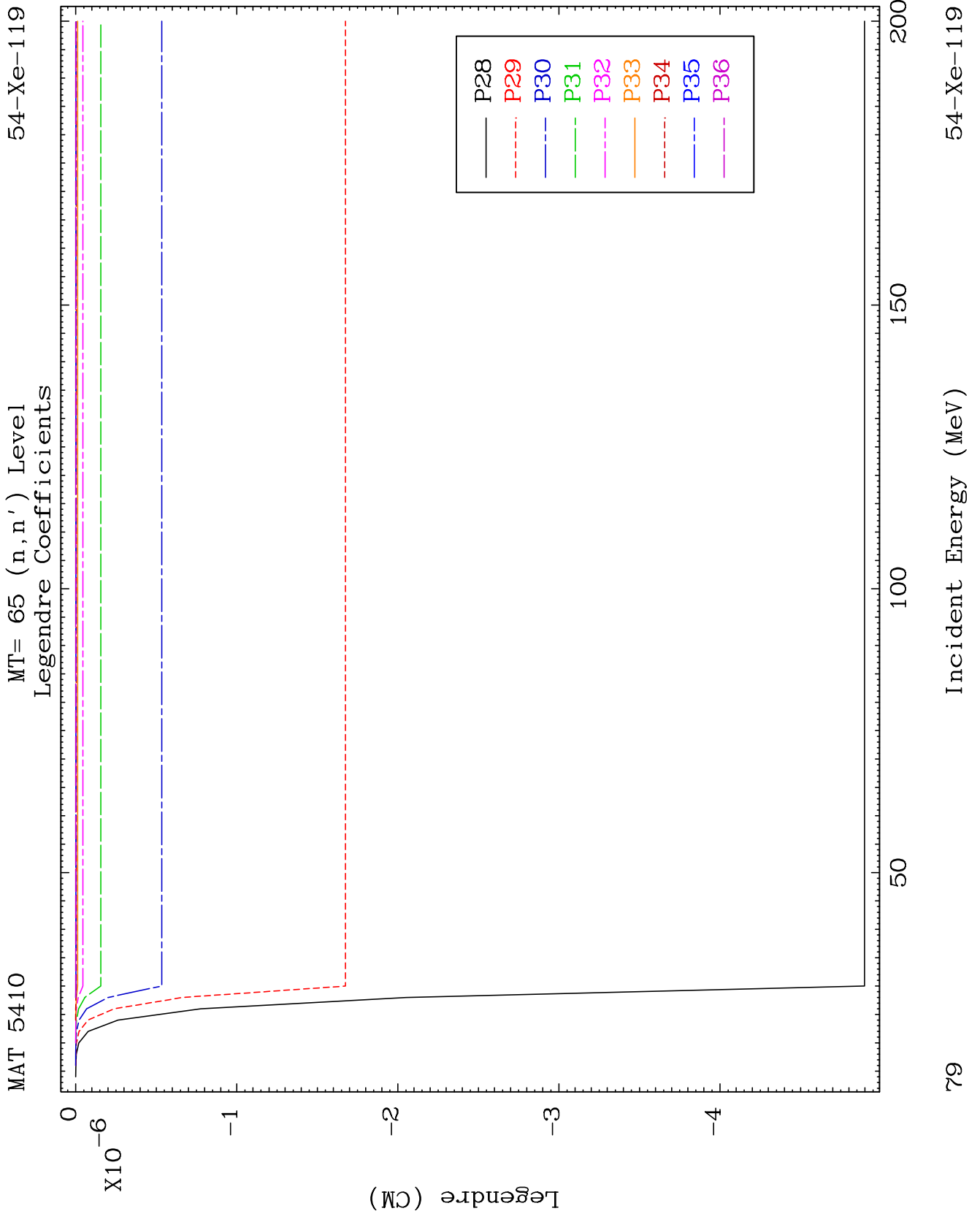


77

Incident Energy (MeV)

54-Xe-119



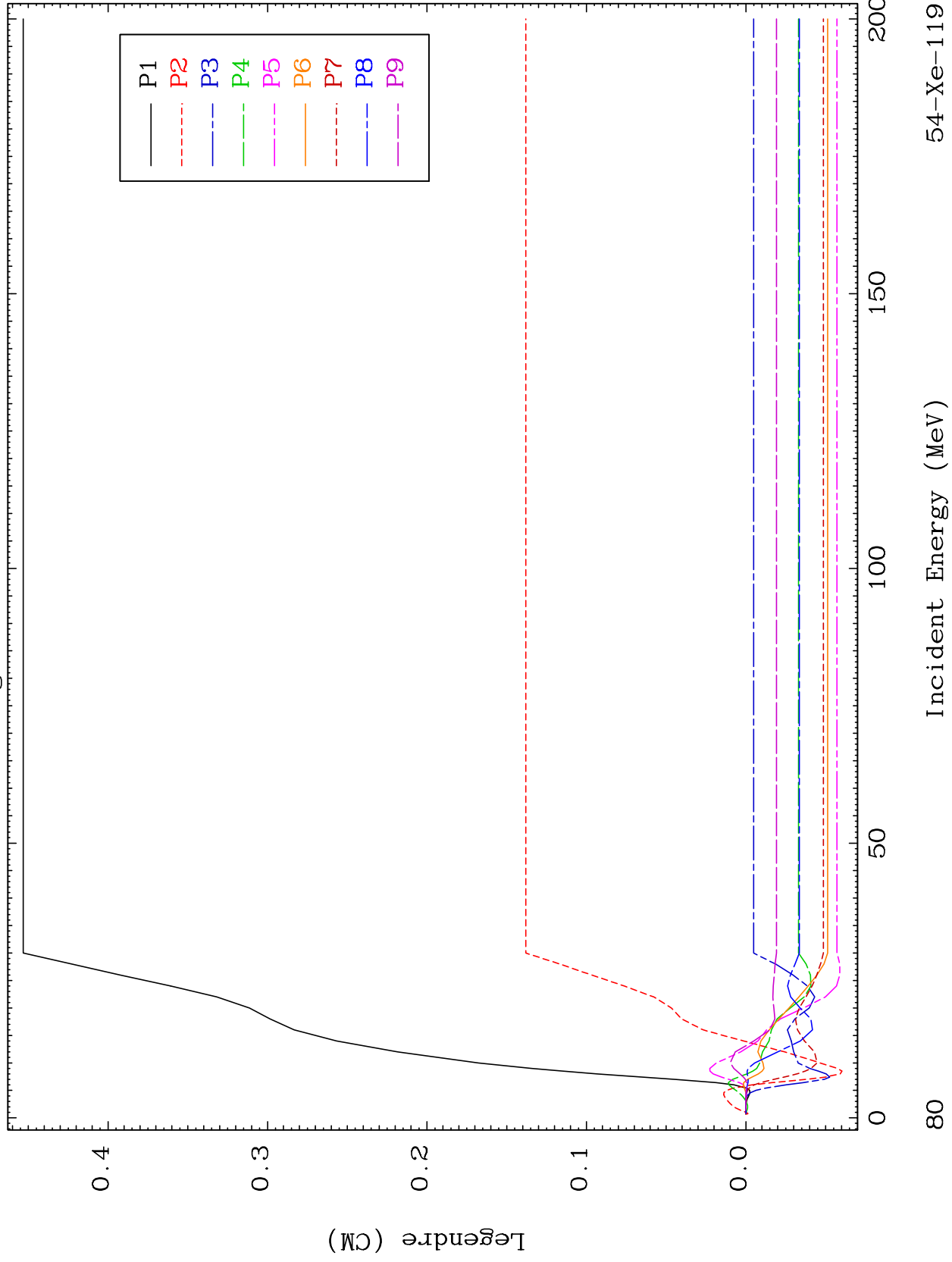




MAT 5410

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

54-Xe-119



54-Xe-119

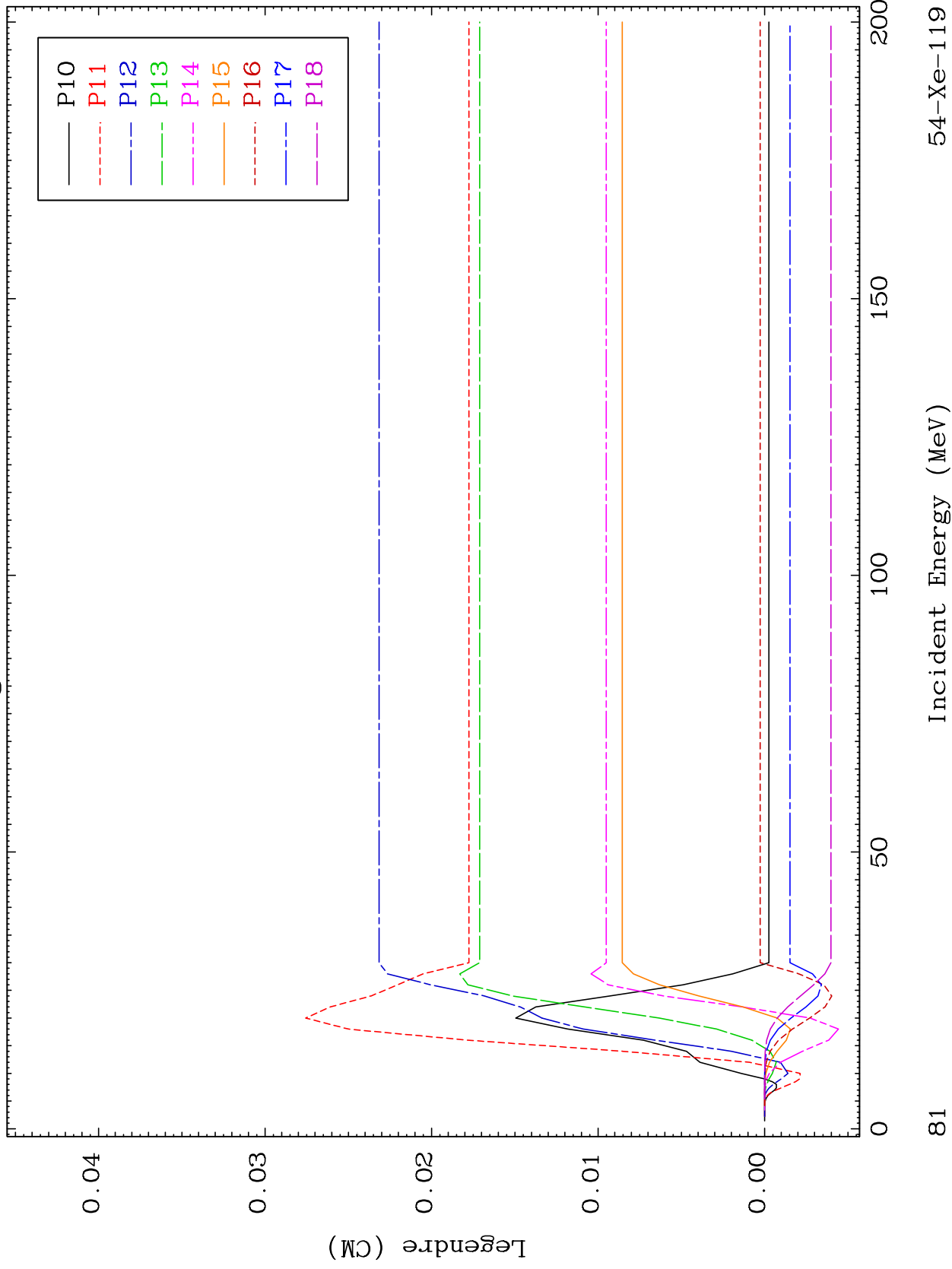
Incident Energy (MeV)

80

MAT 5410

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

54-Xe-119



81

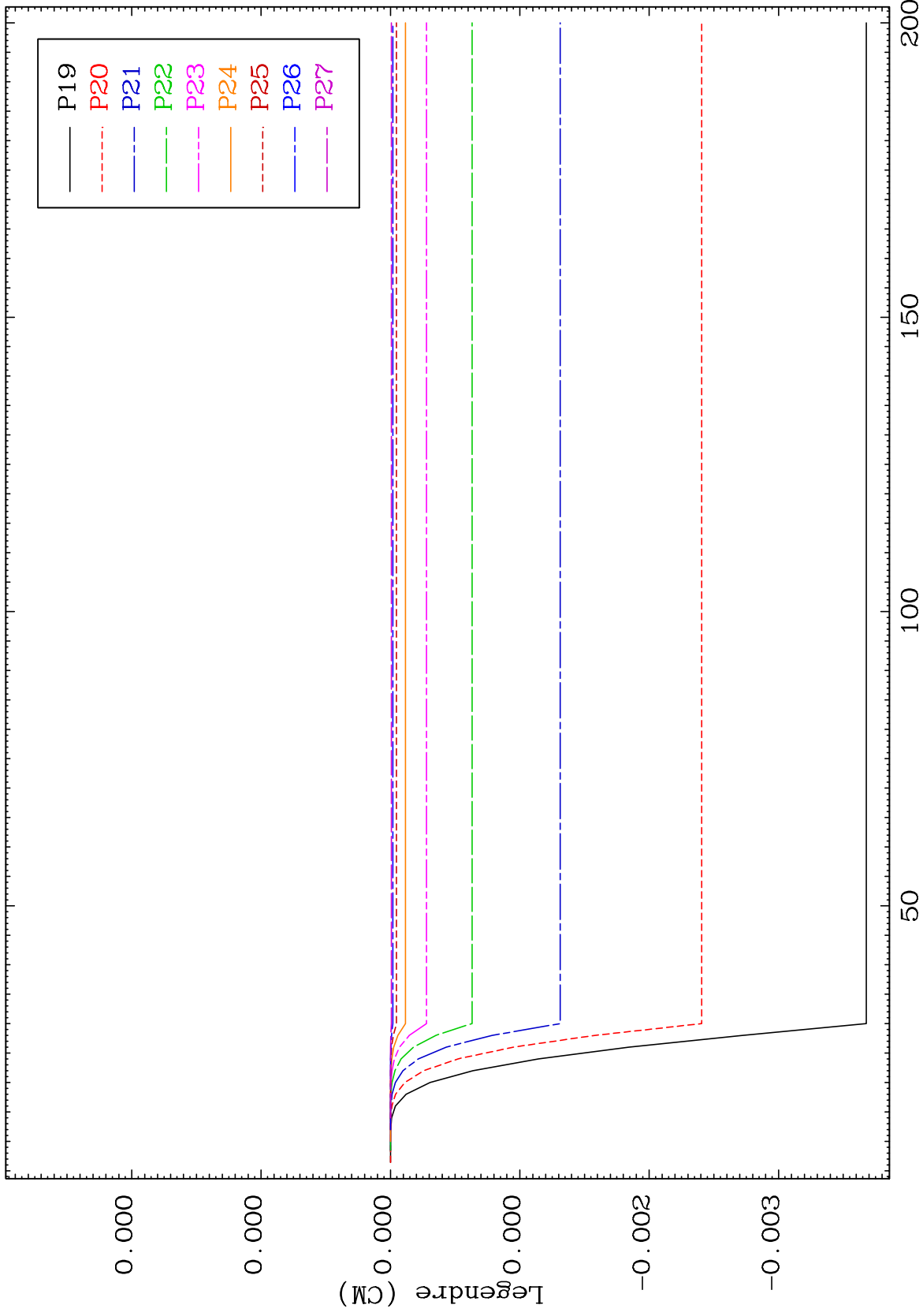
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



82

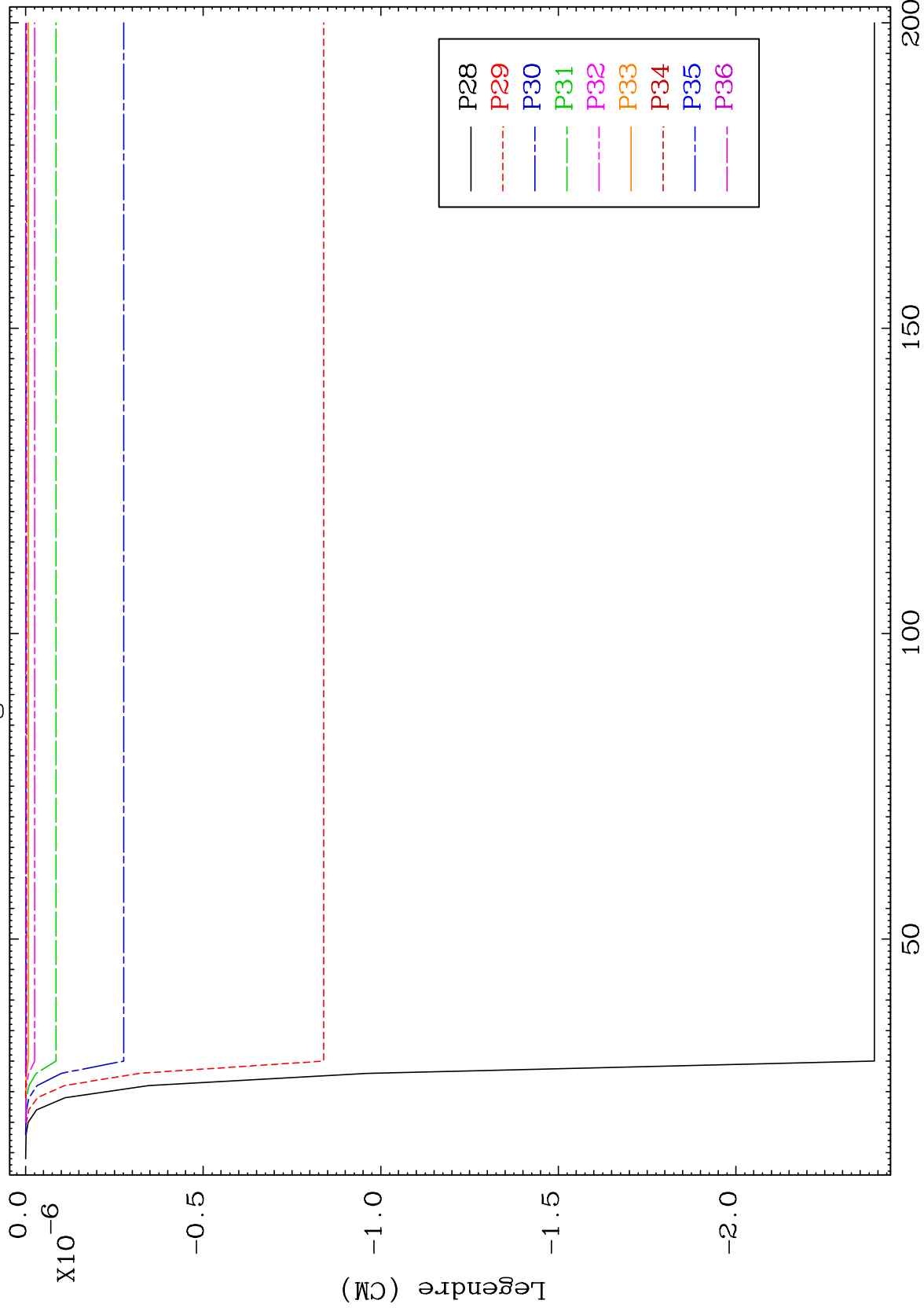
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

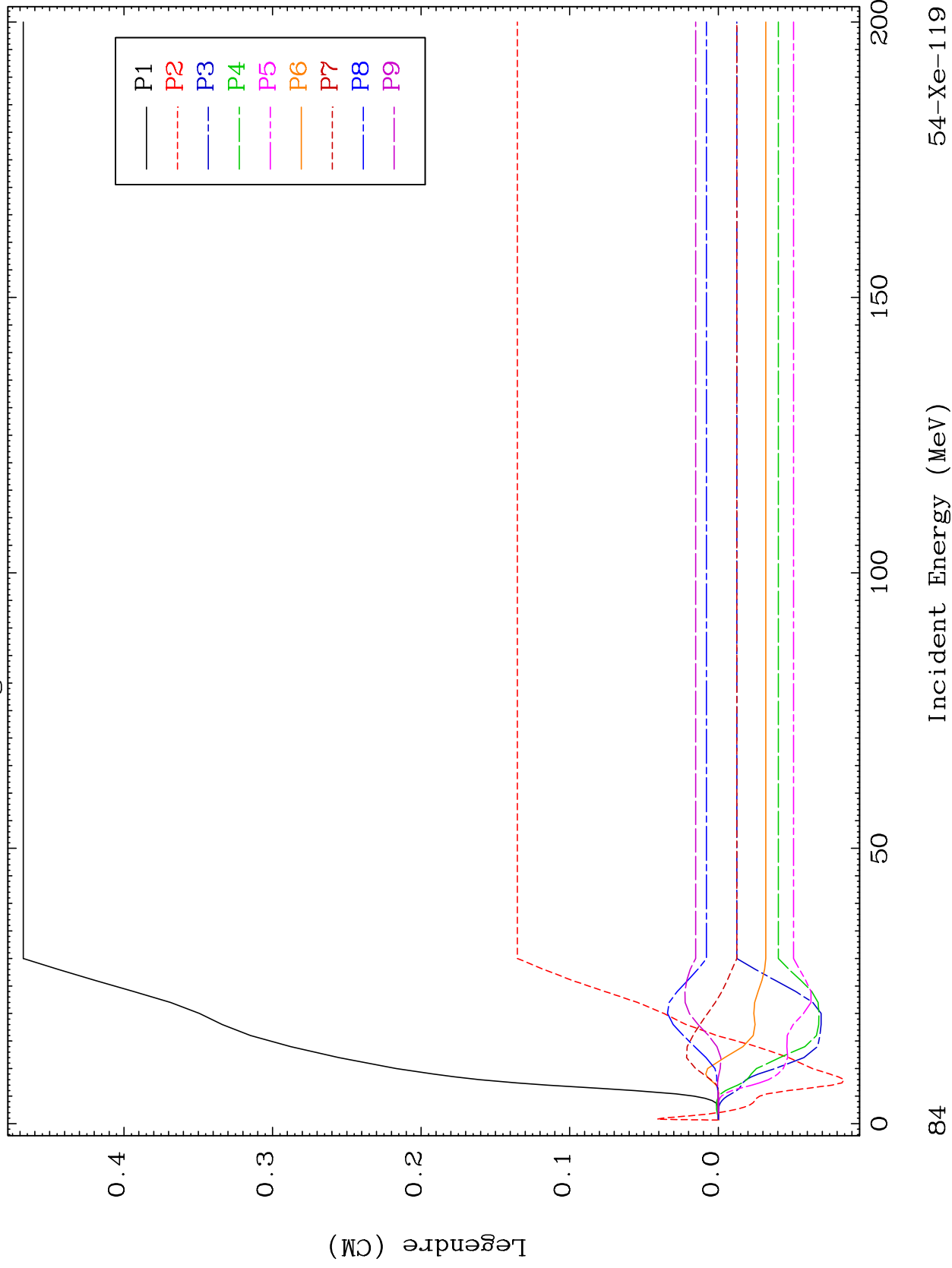
54-Xe-119



MAT 5410

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

54-Xe-119



54-Xe-119

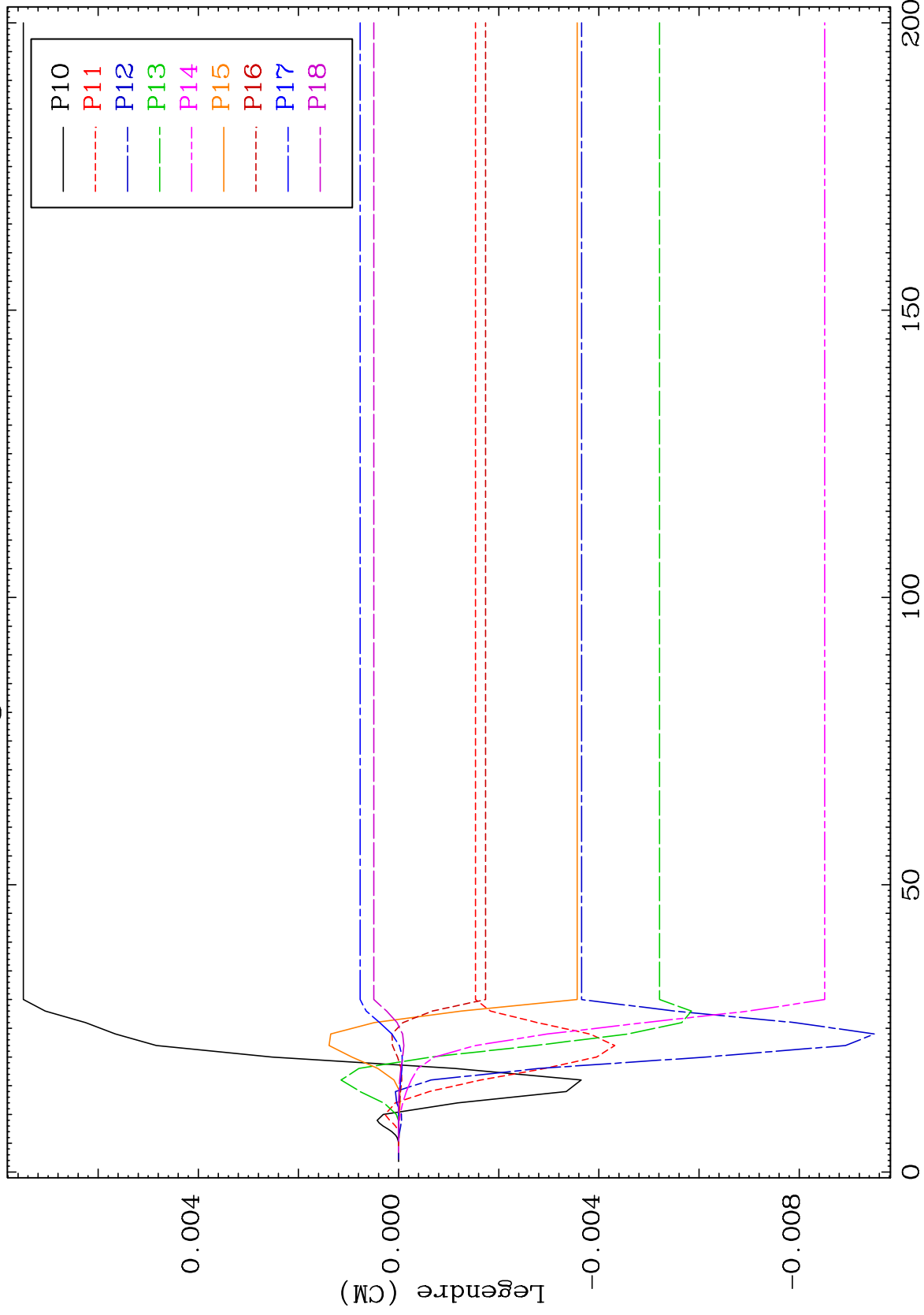
Incident Energy (MeV)

84

MAT 5410

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

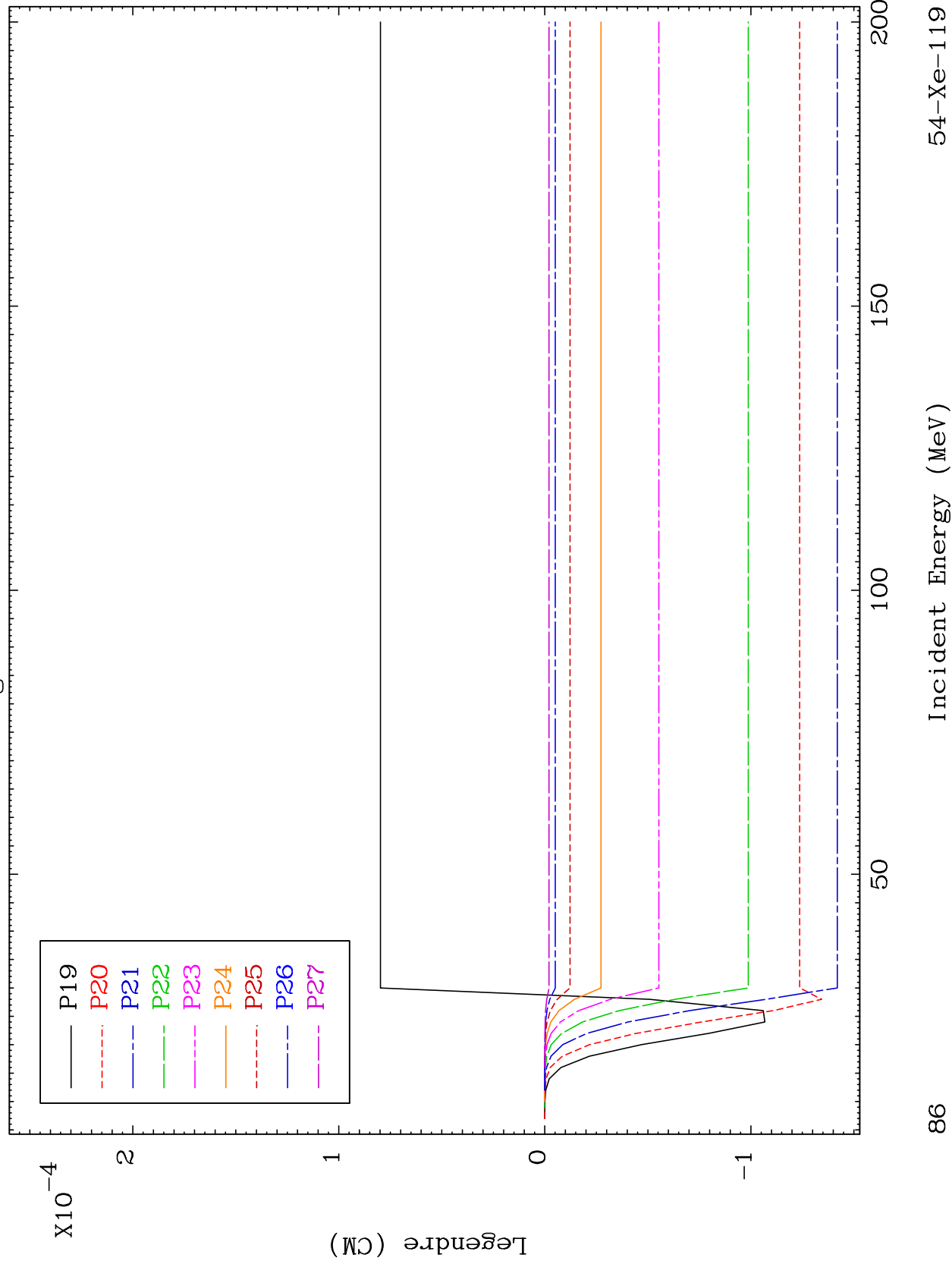
54-Xe-119



85

Incident Energy (MeV)

54-Xe-119

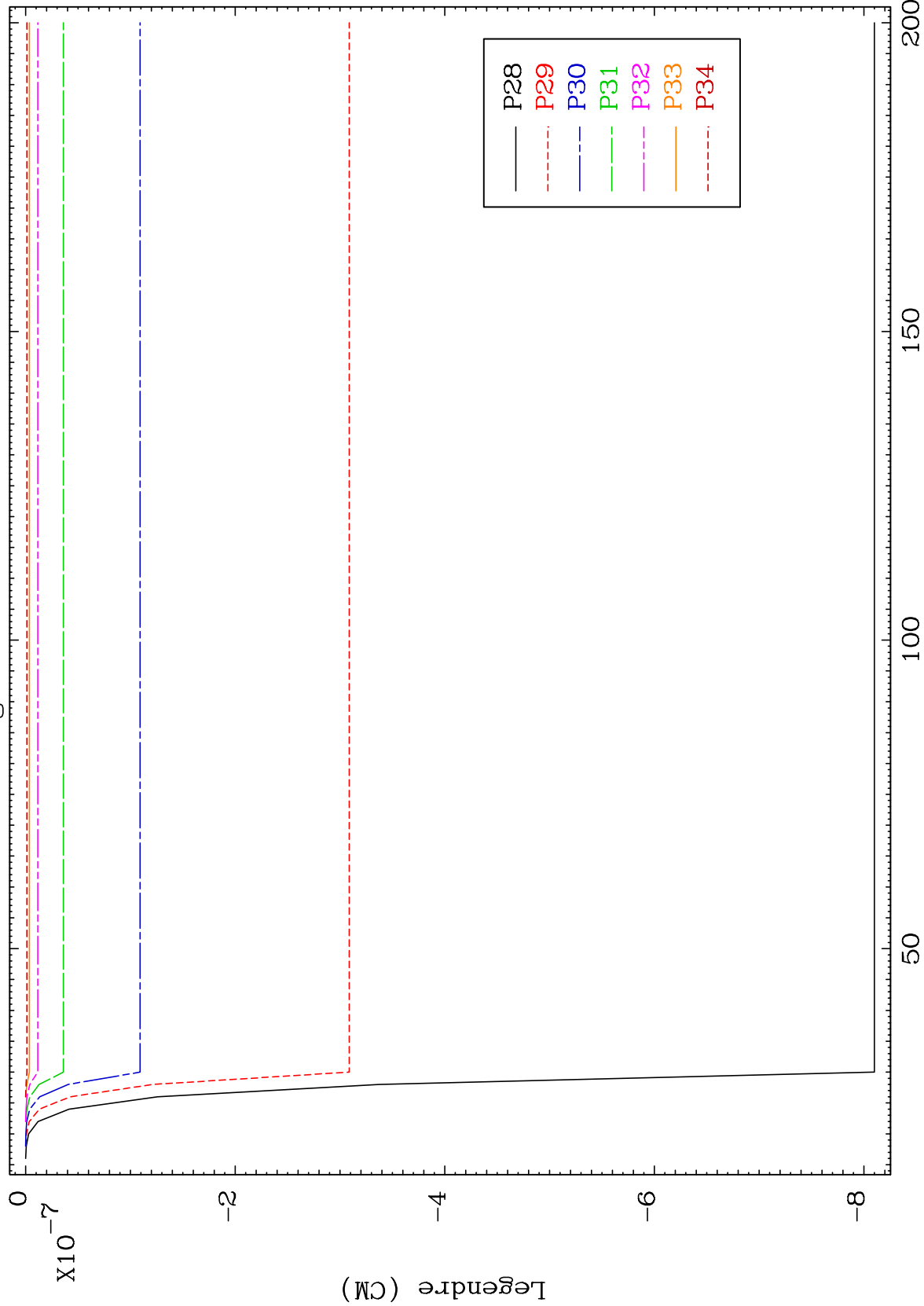


MAT 5410

MT= 67 (n,n') Level

54-Xe-119

Legendre Coefficients



87

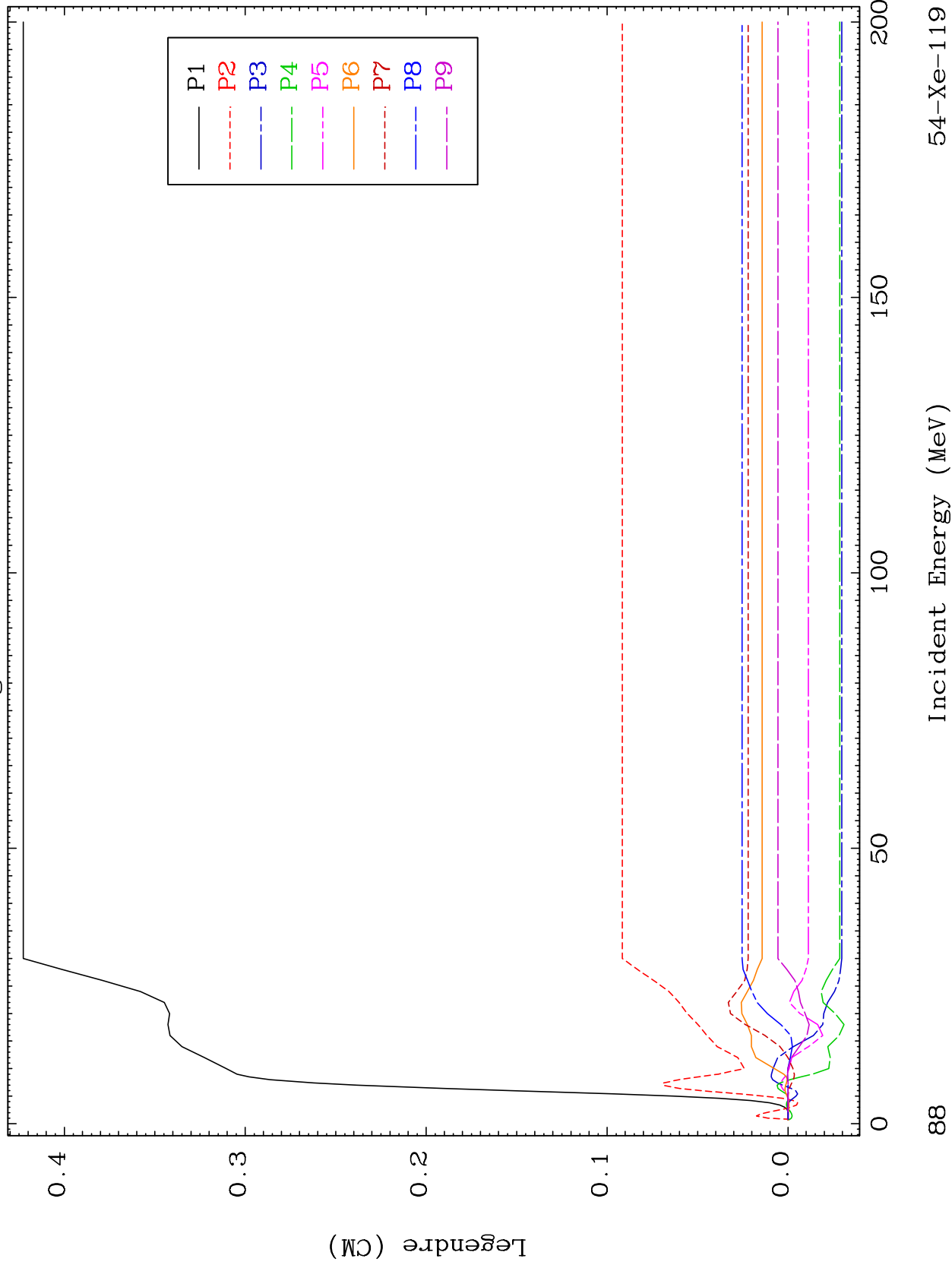
54-Xe-119



MAT 5410

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

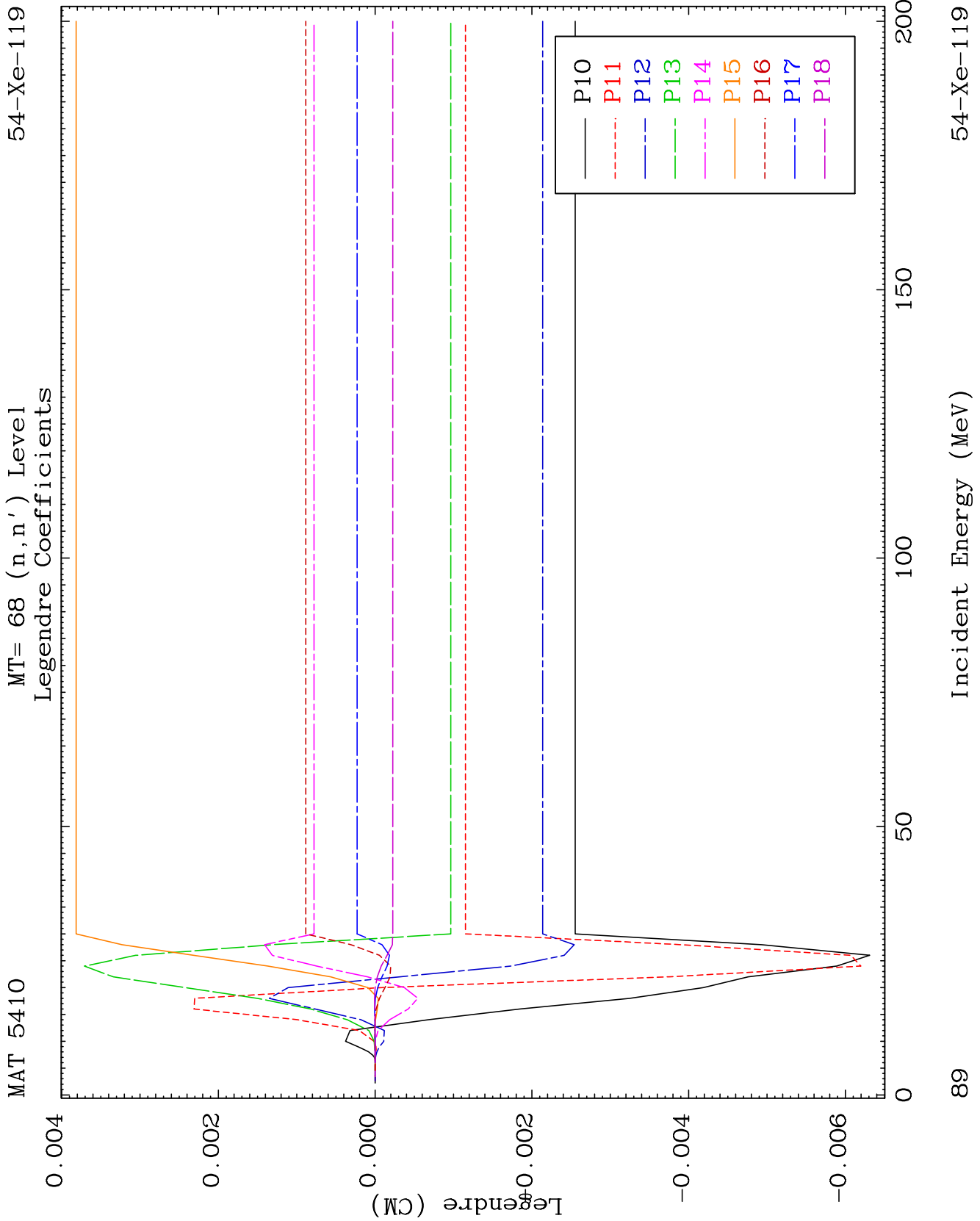
54-Xe-119



54-Xe-119

Incident Energy (MeV)

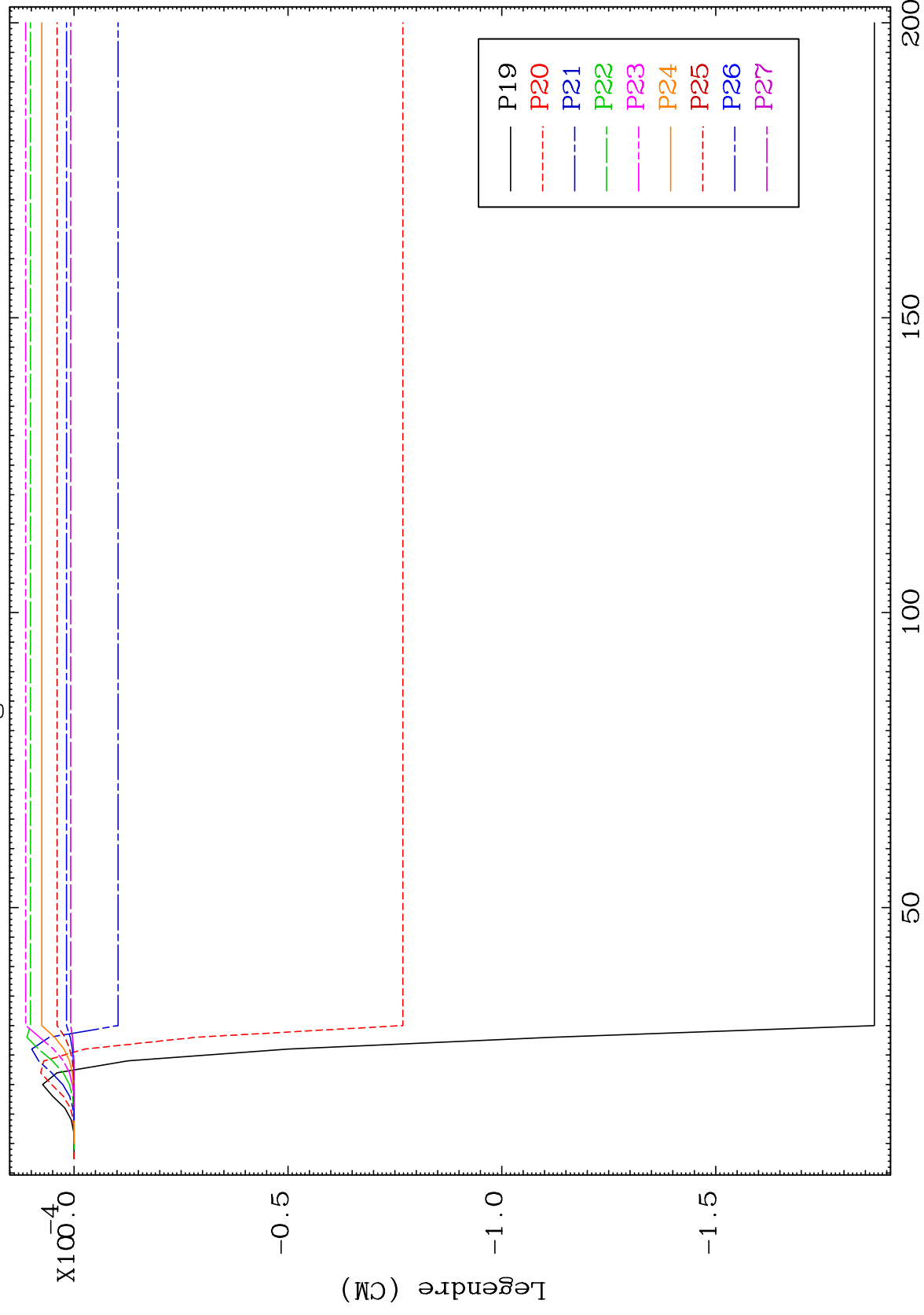
88



MAT 5410

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

54-Xe-119



90

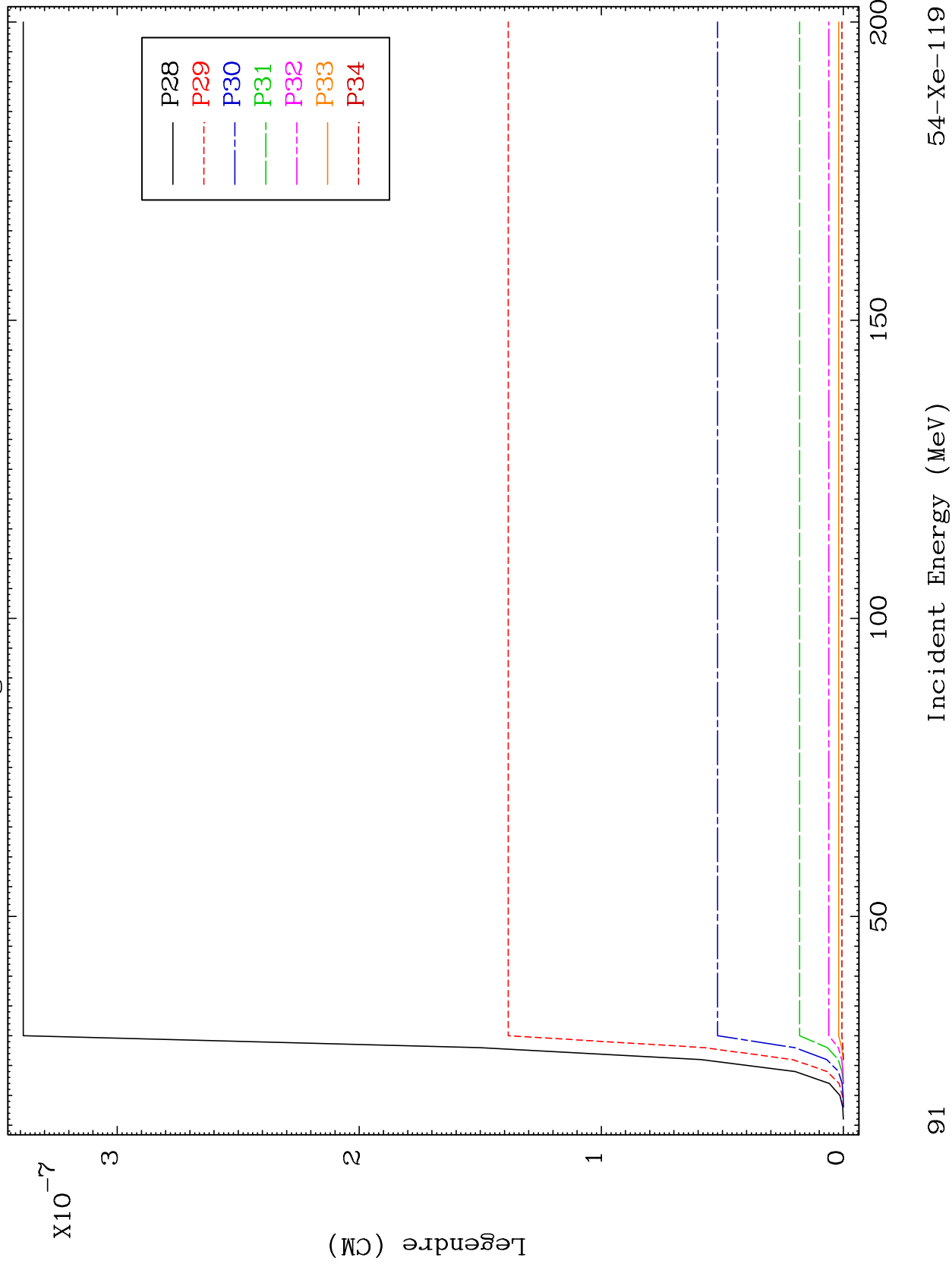
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

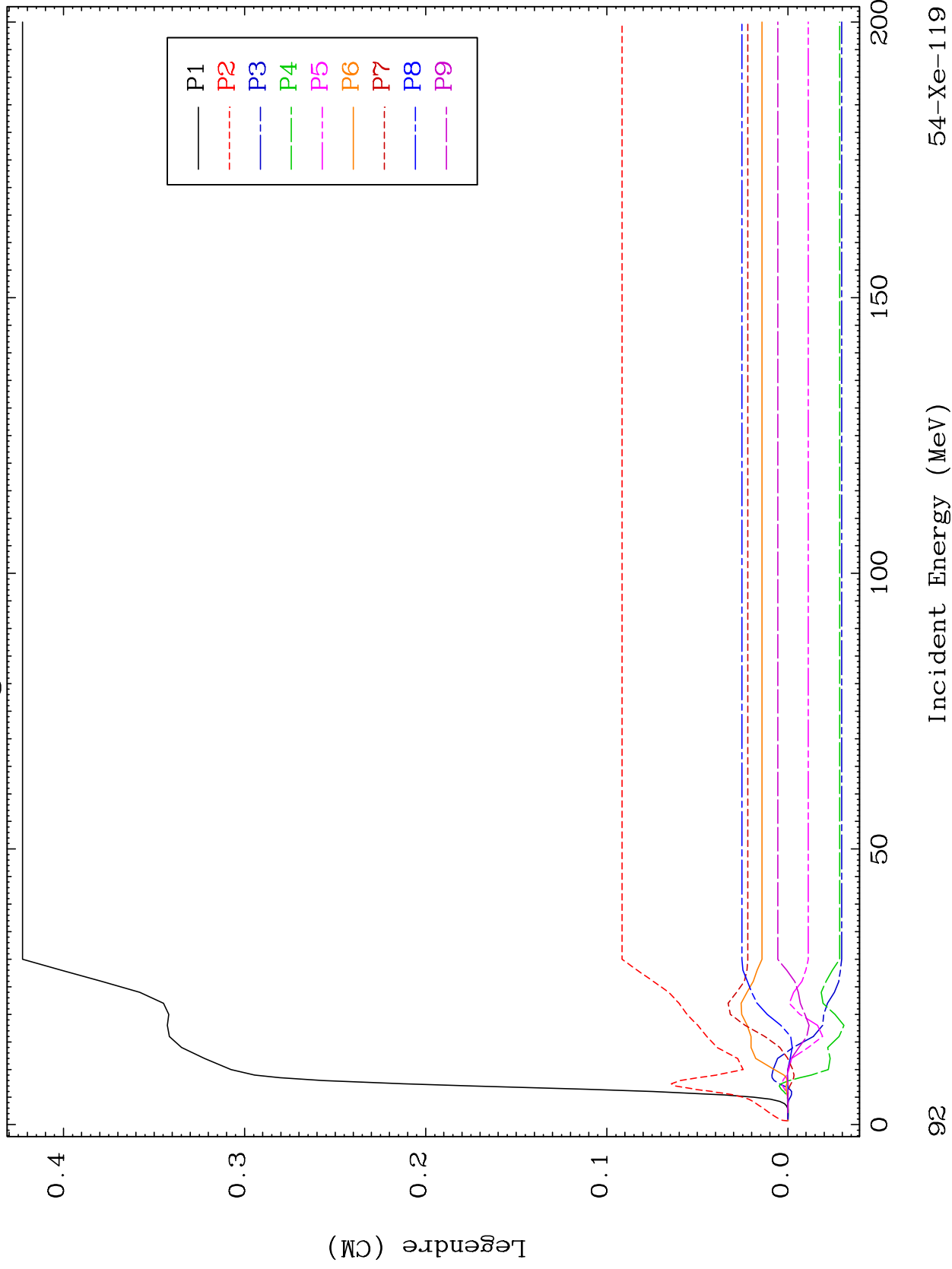
54-Xe-119



MAT 5410

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

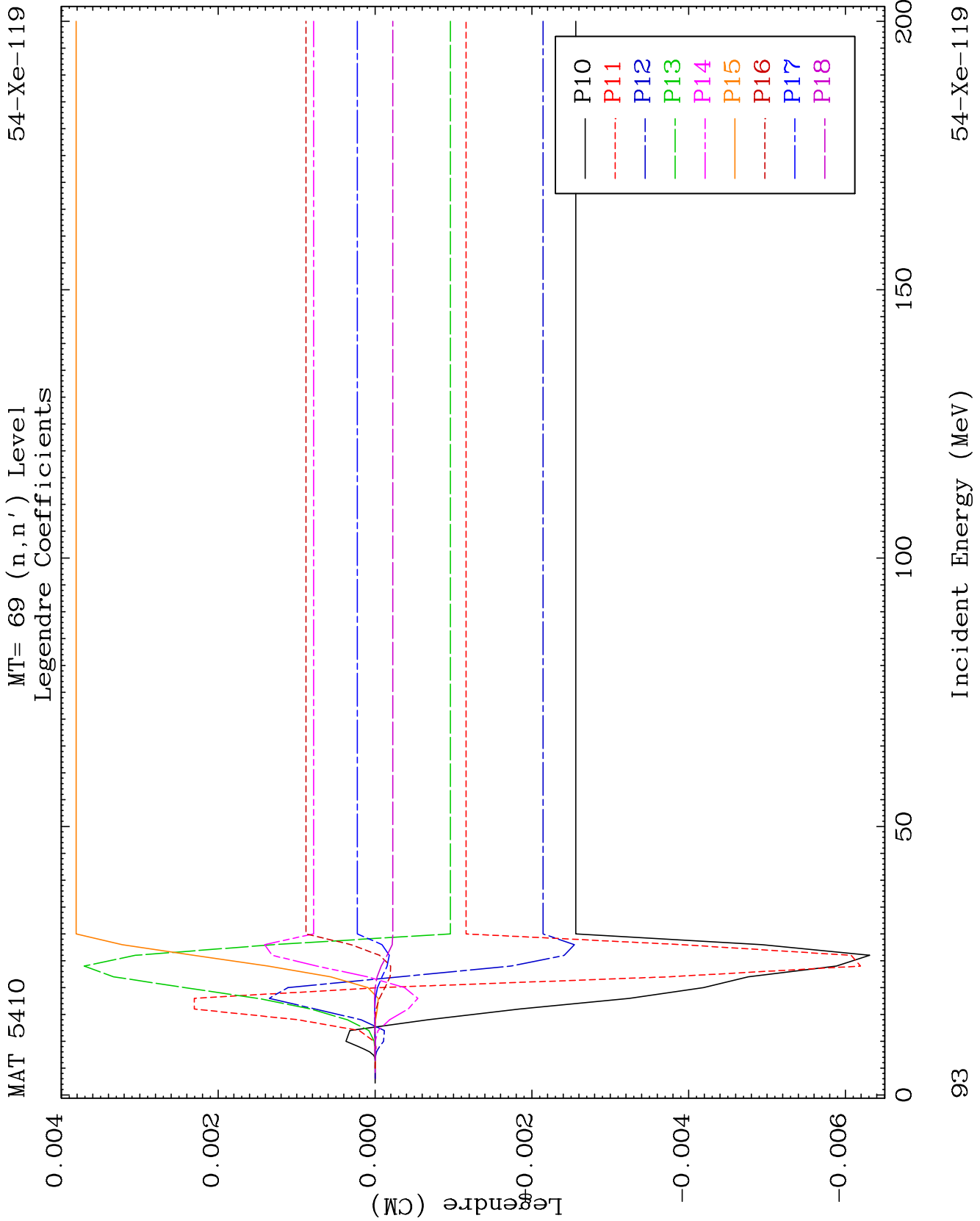
54-Xe-119



54-Xe-119

Incident Energy (MeV)

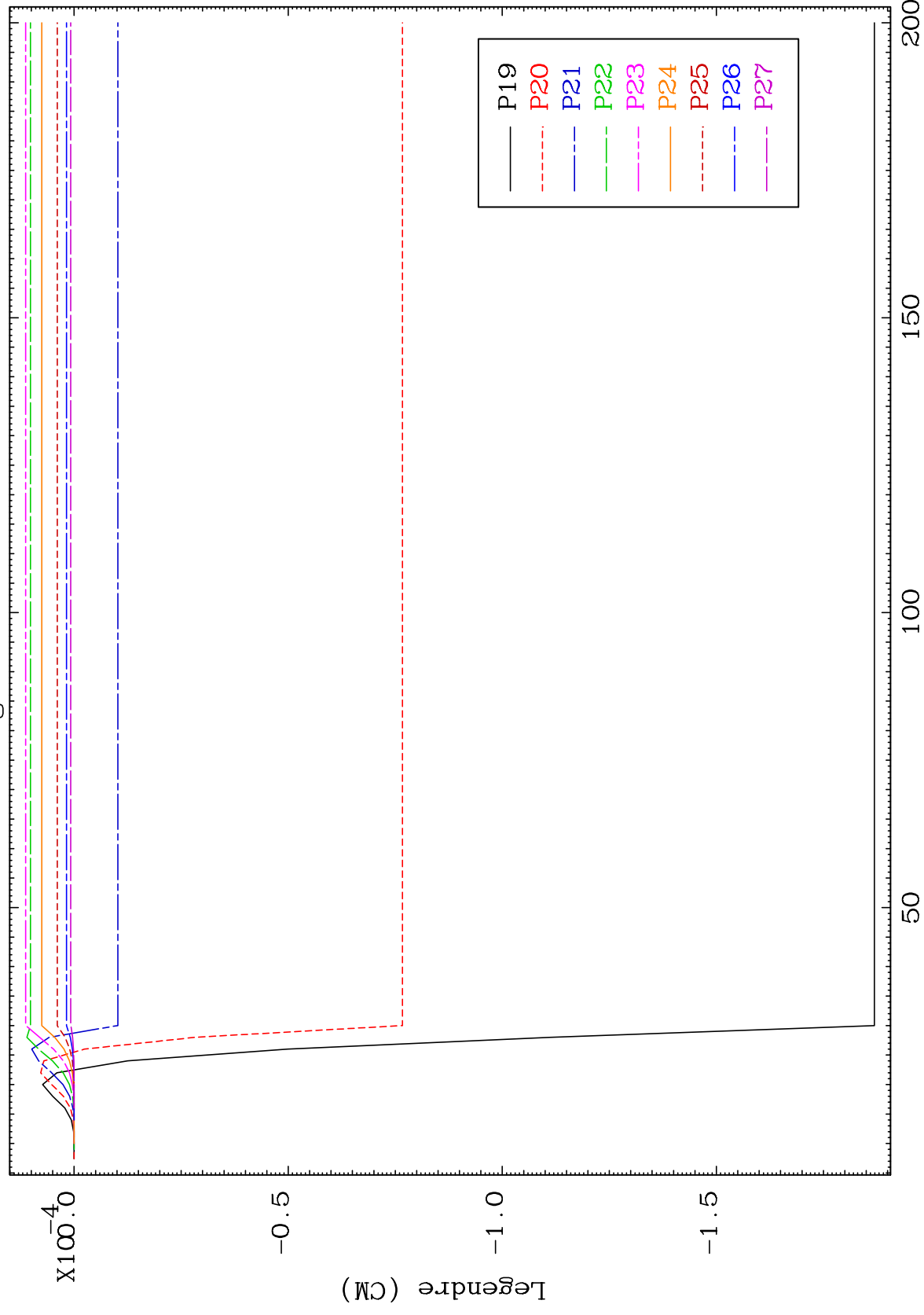
92



MAT 5410

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

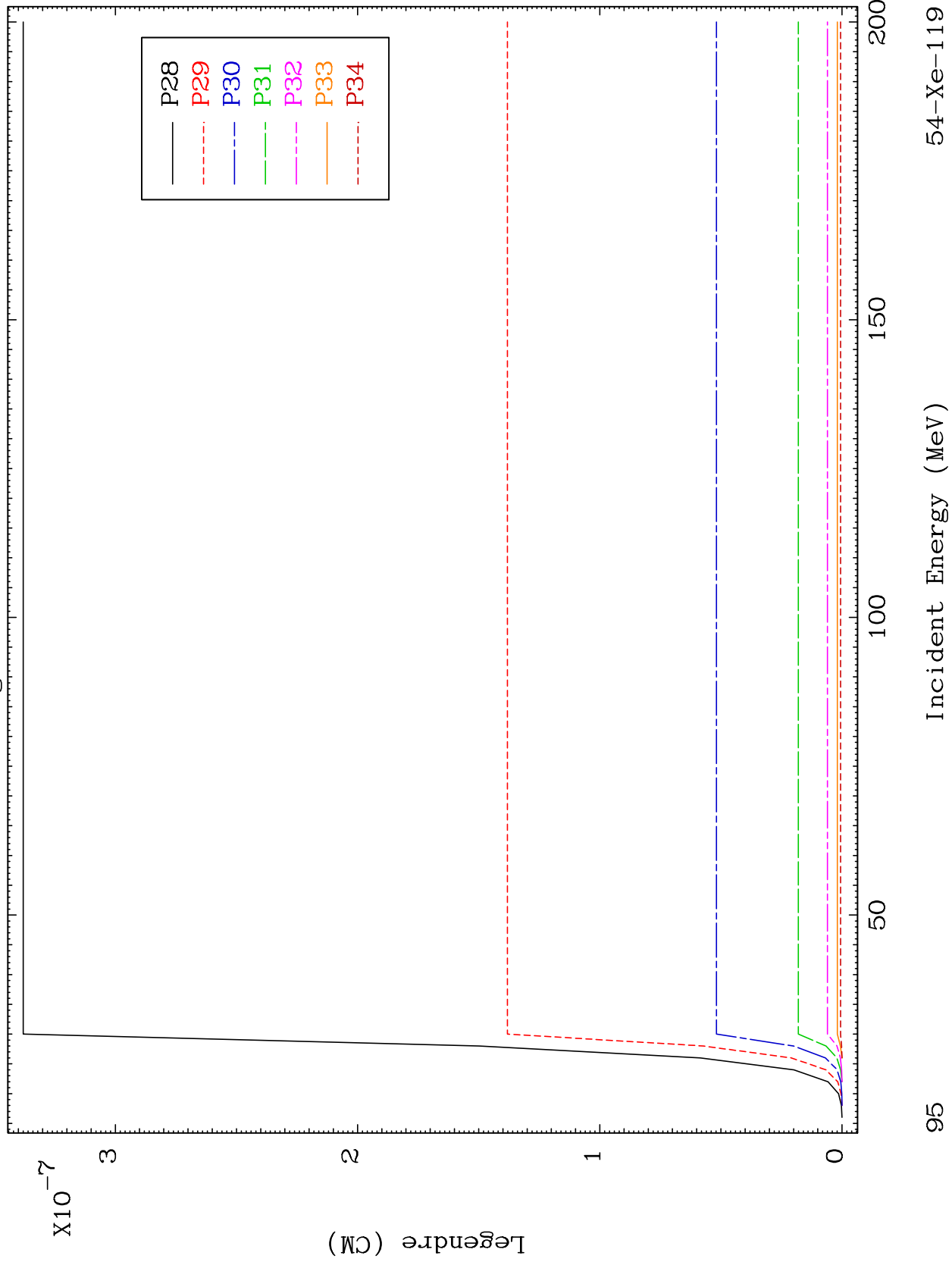
54-Xe-119



MAT 5410

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

54-Xe-119

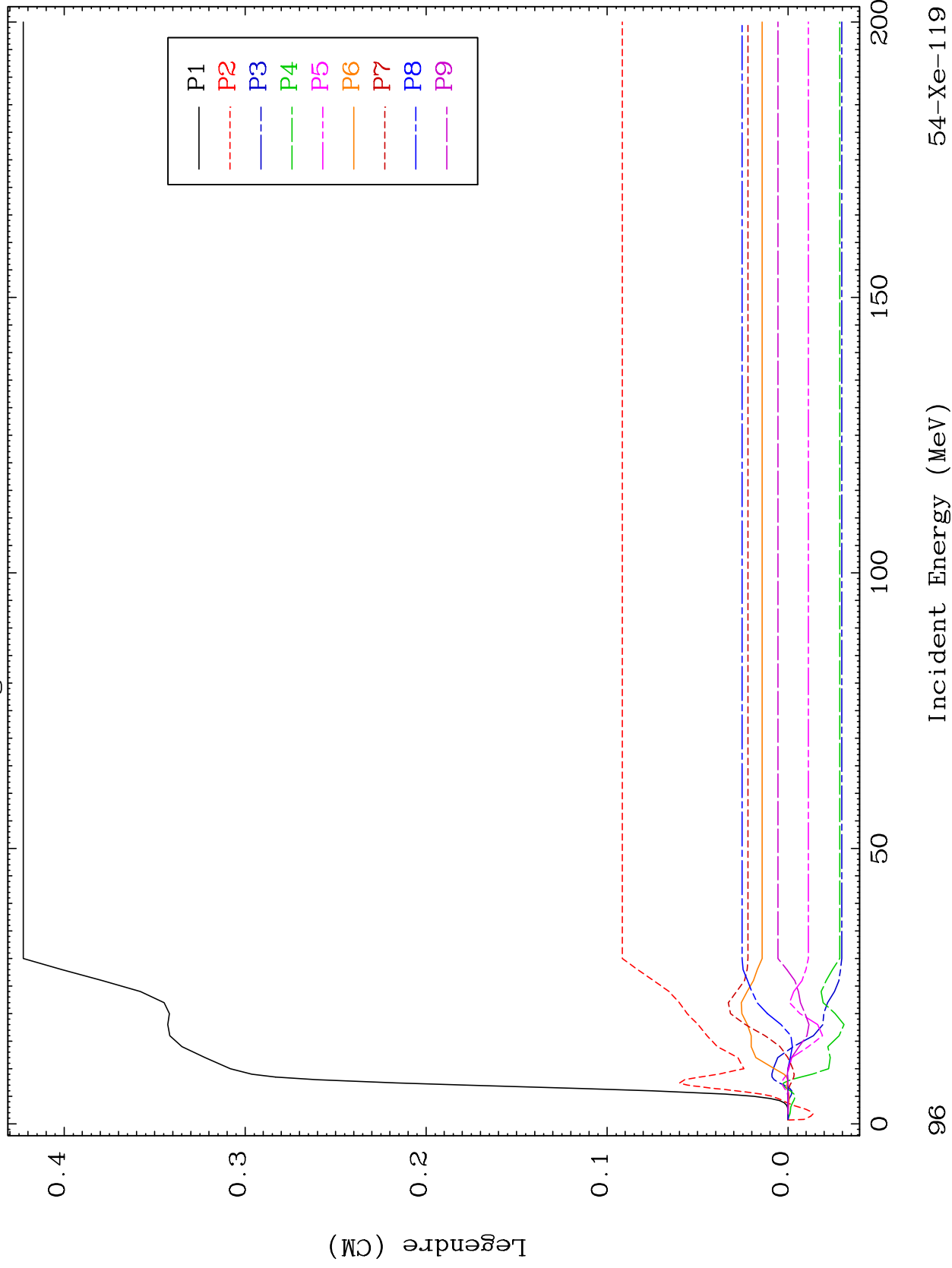




MAT 5410

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

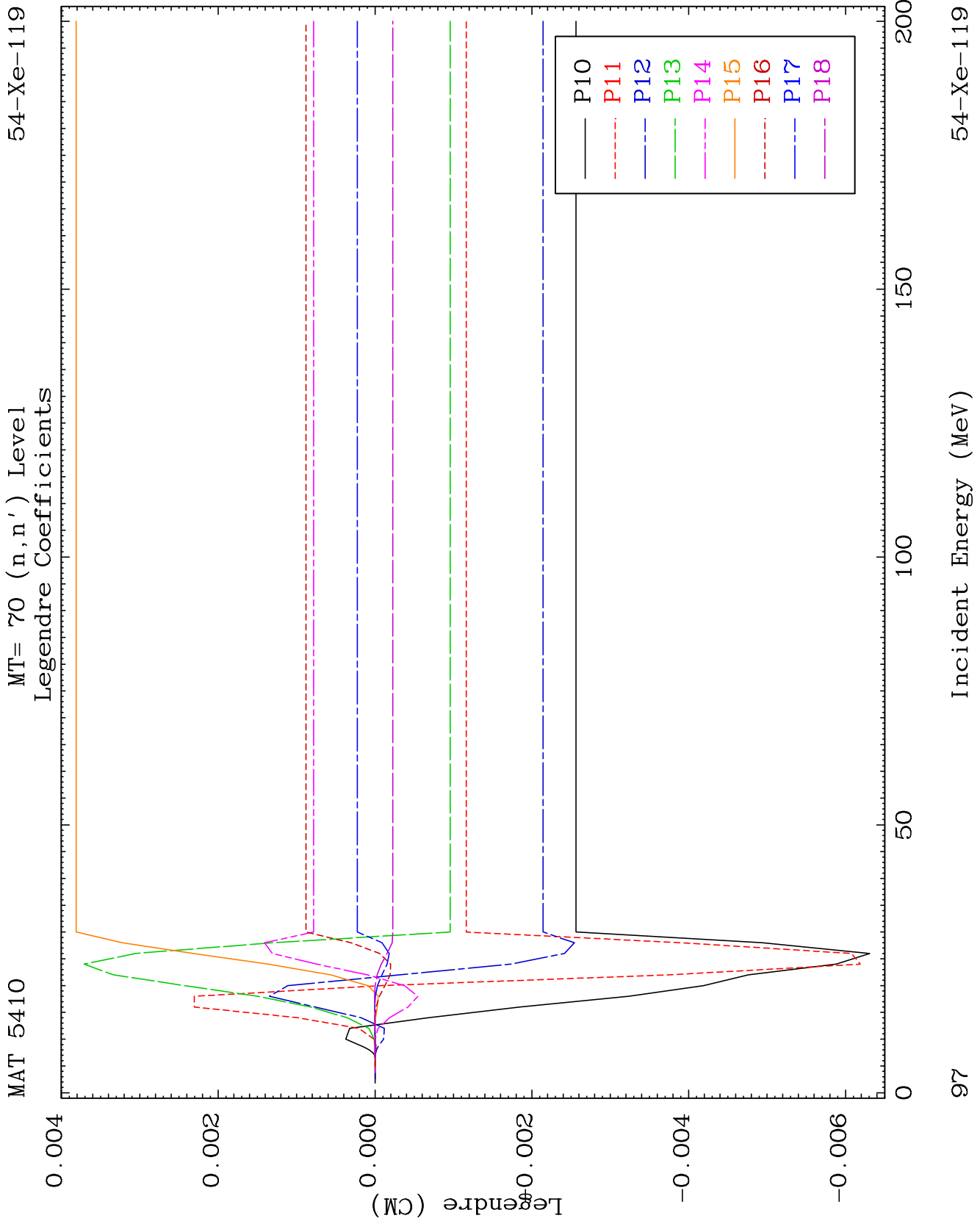
54-Xe-119



96

Incident Energy (MeV)

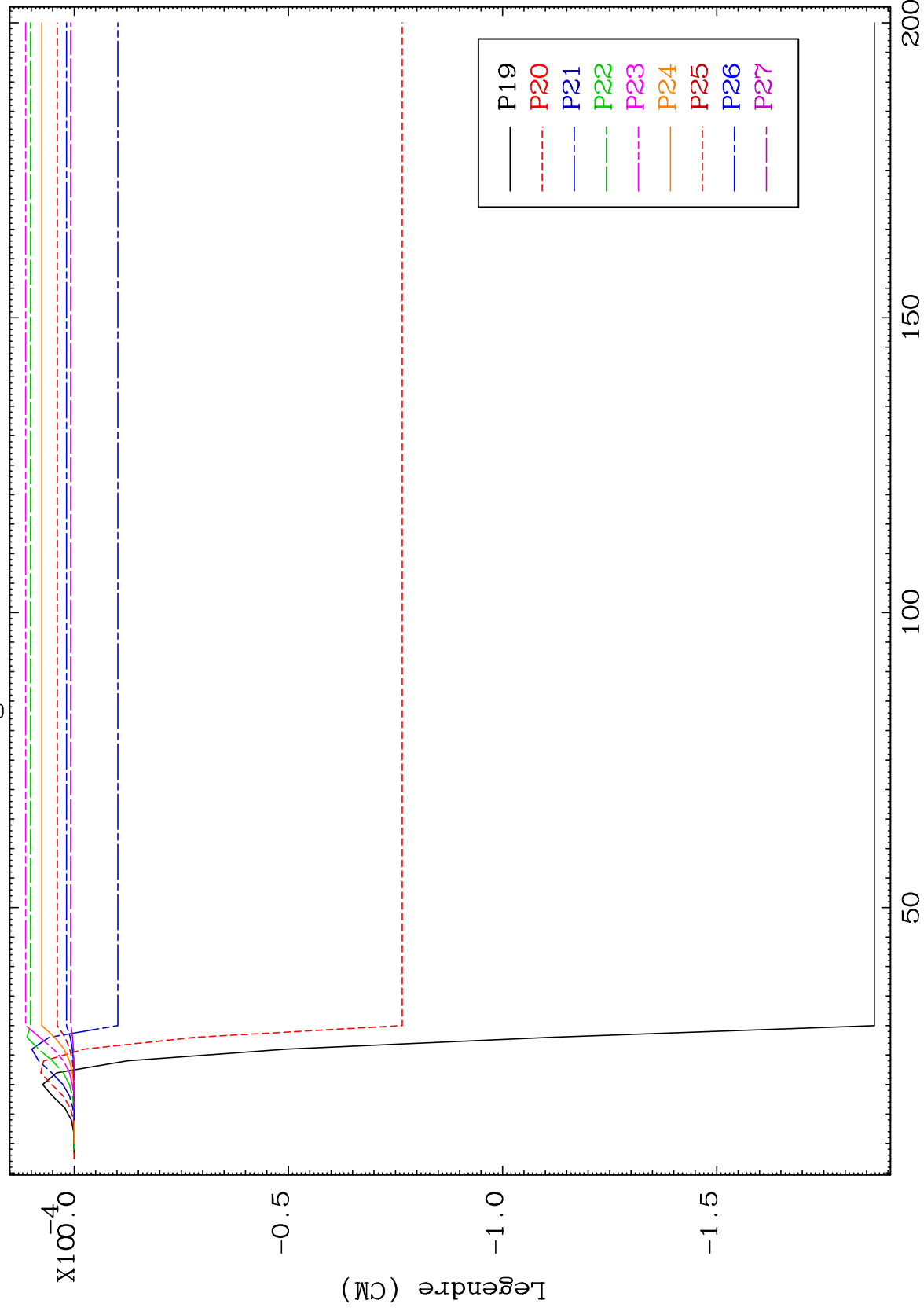
54-Xe-119



MAT 5410

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

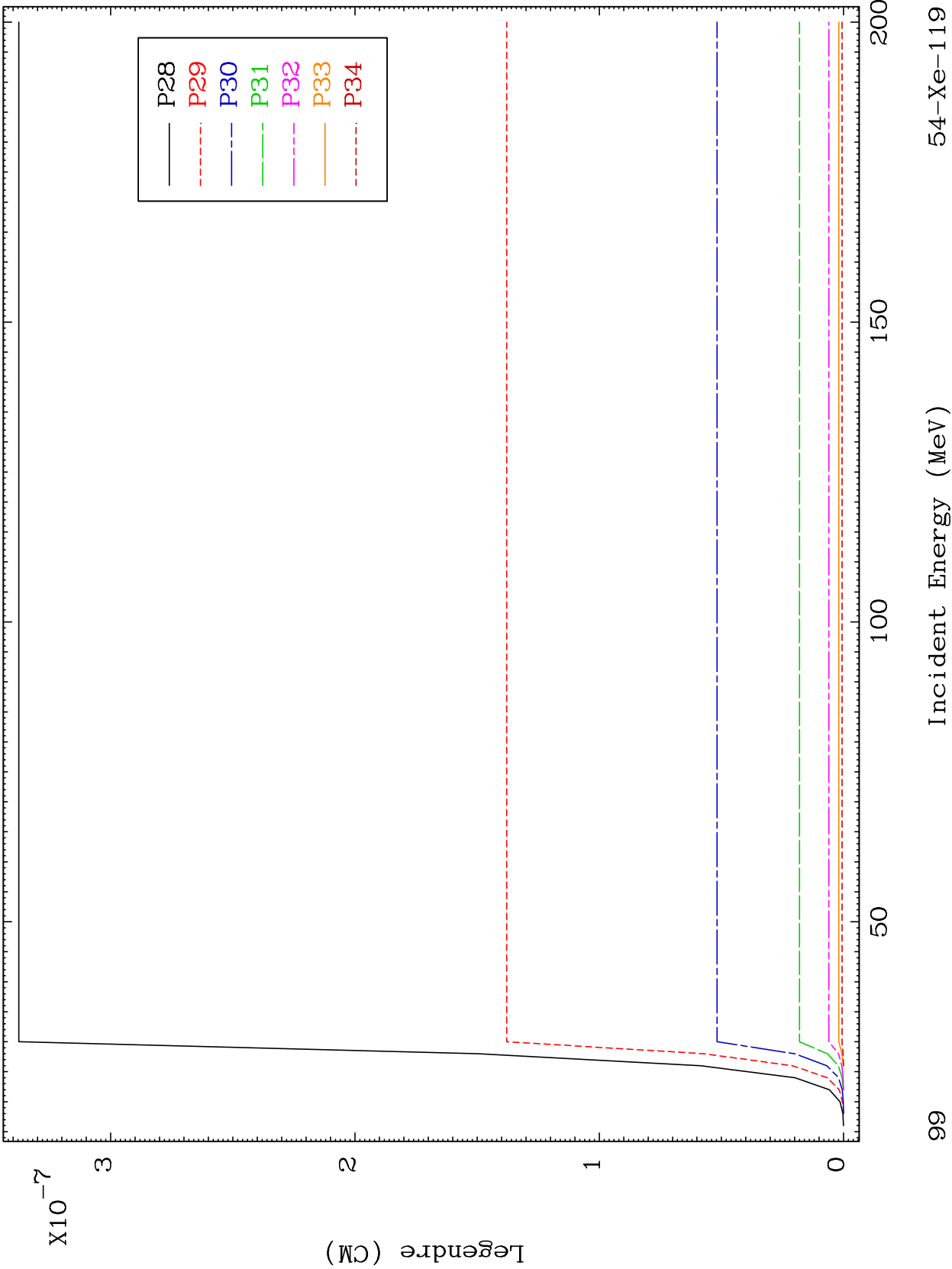
54-Xe-119



MAT 5410

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

54-Xe-119

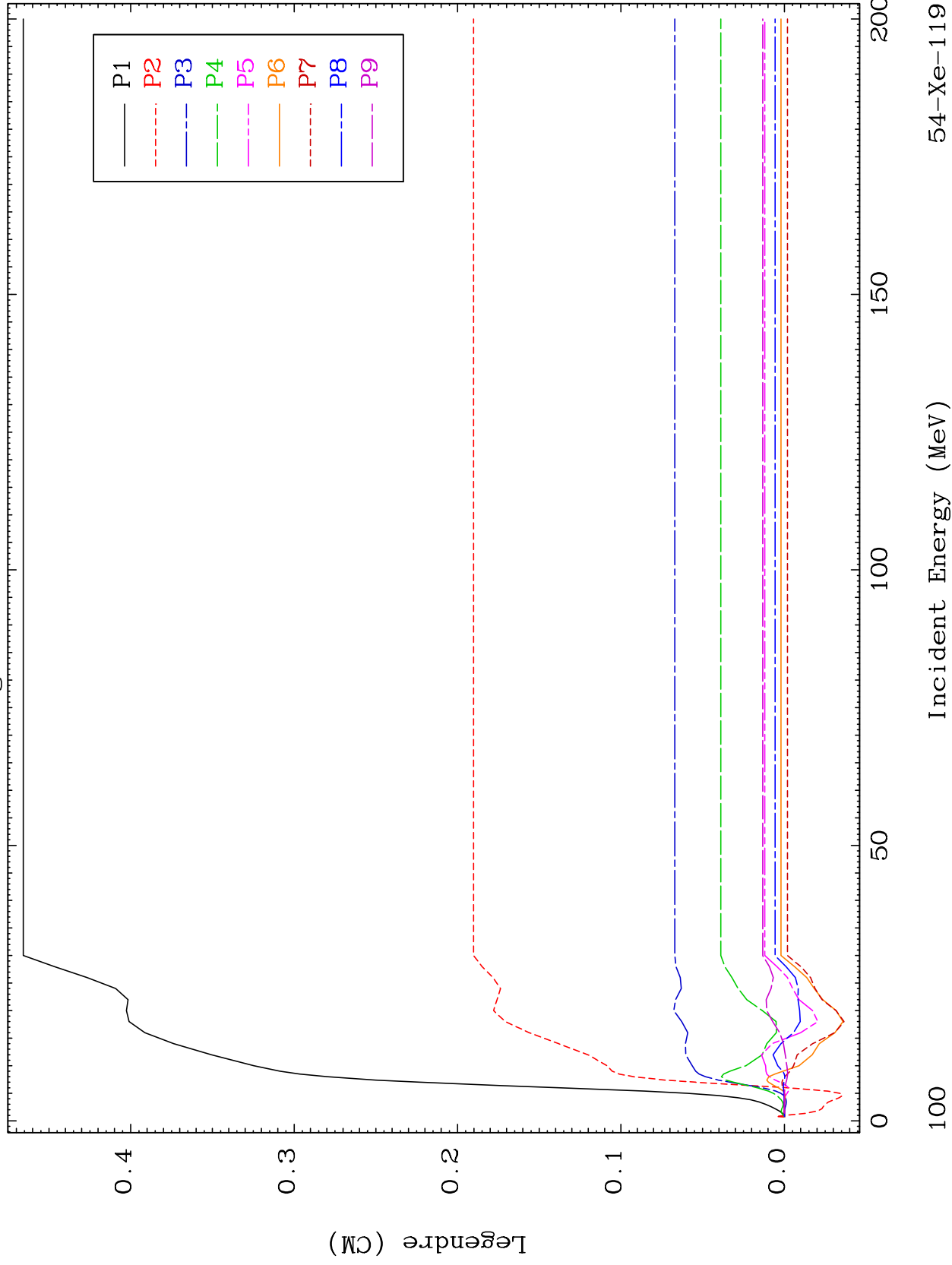


99

MAT 5410

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

54-Xe-119

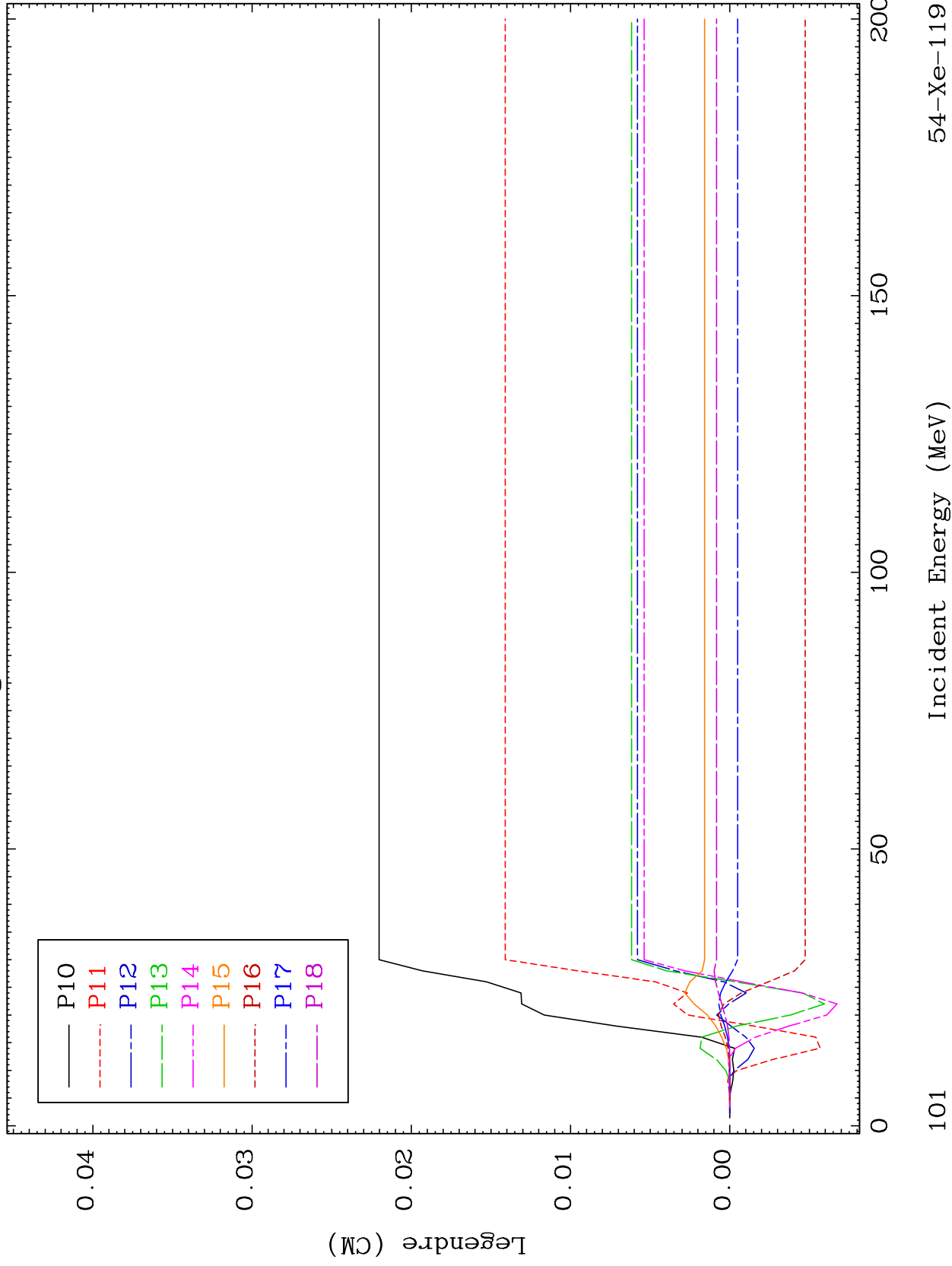


54-Xe-119

MAT 5410

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

54-Xe-119



54-Xe-119

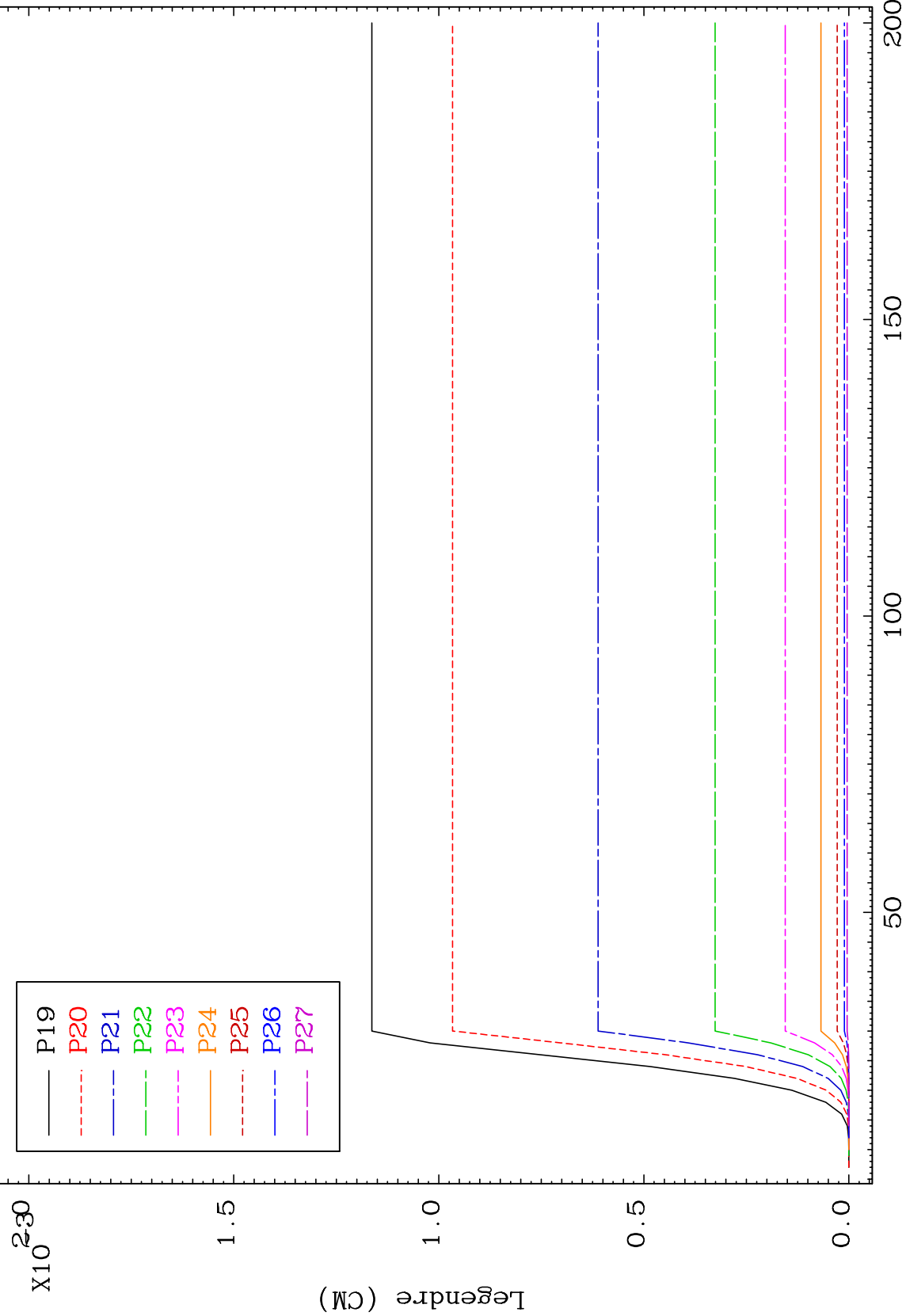
Incident Energy (MeV)

101

MAT 5410

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

54-Xe-119



102

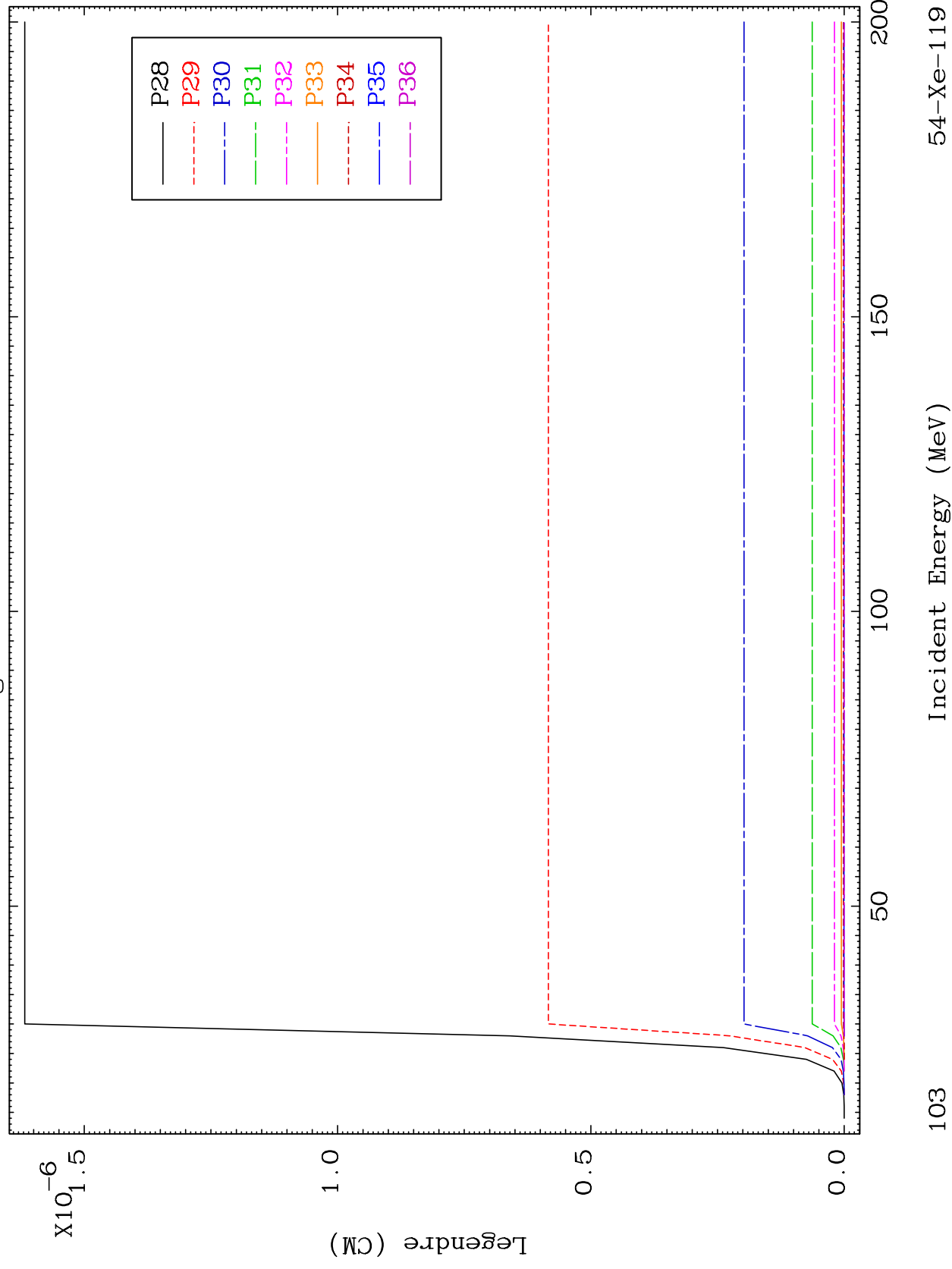
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119

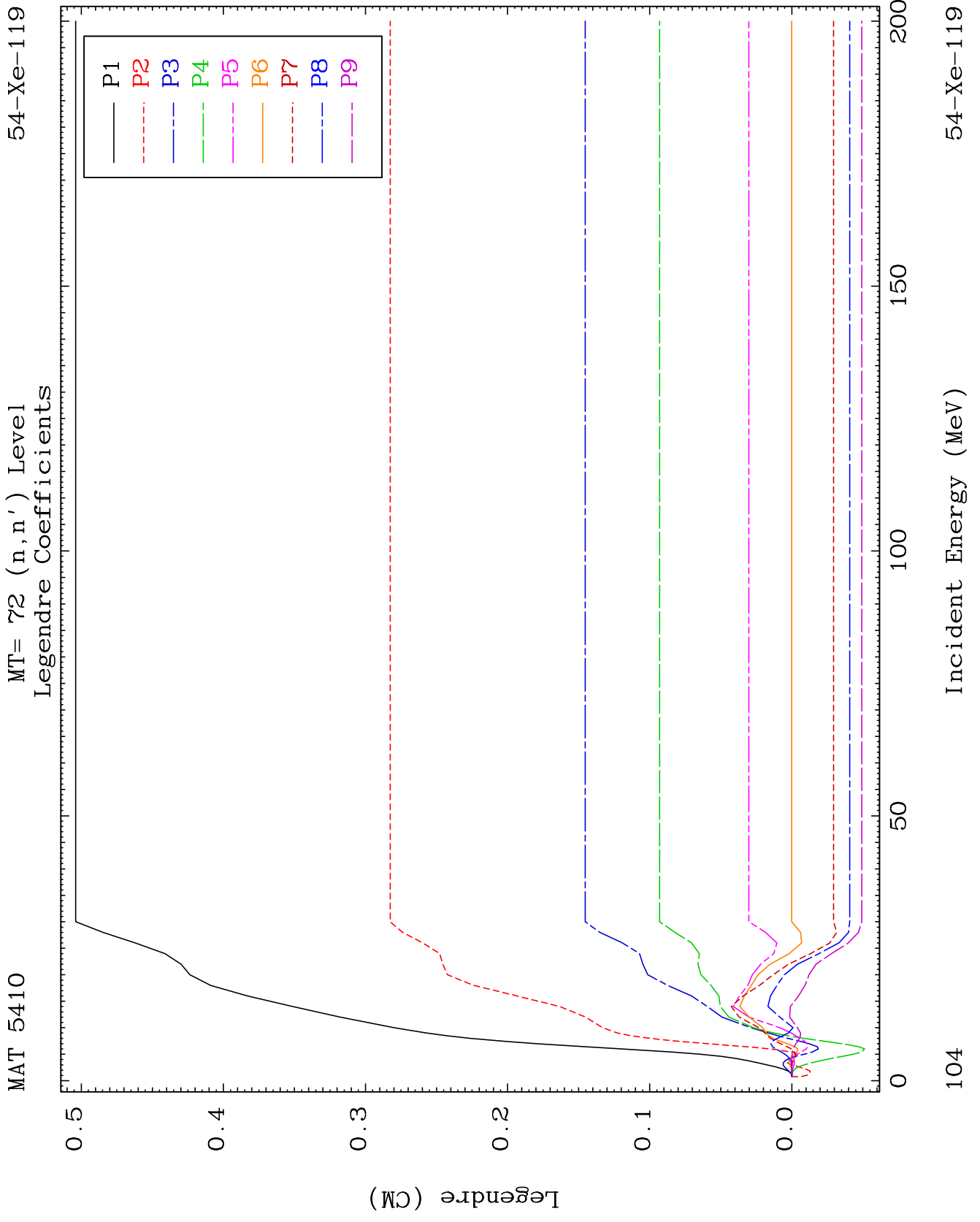


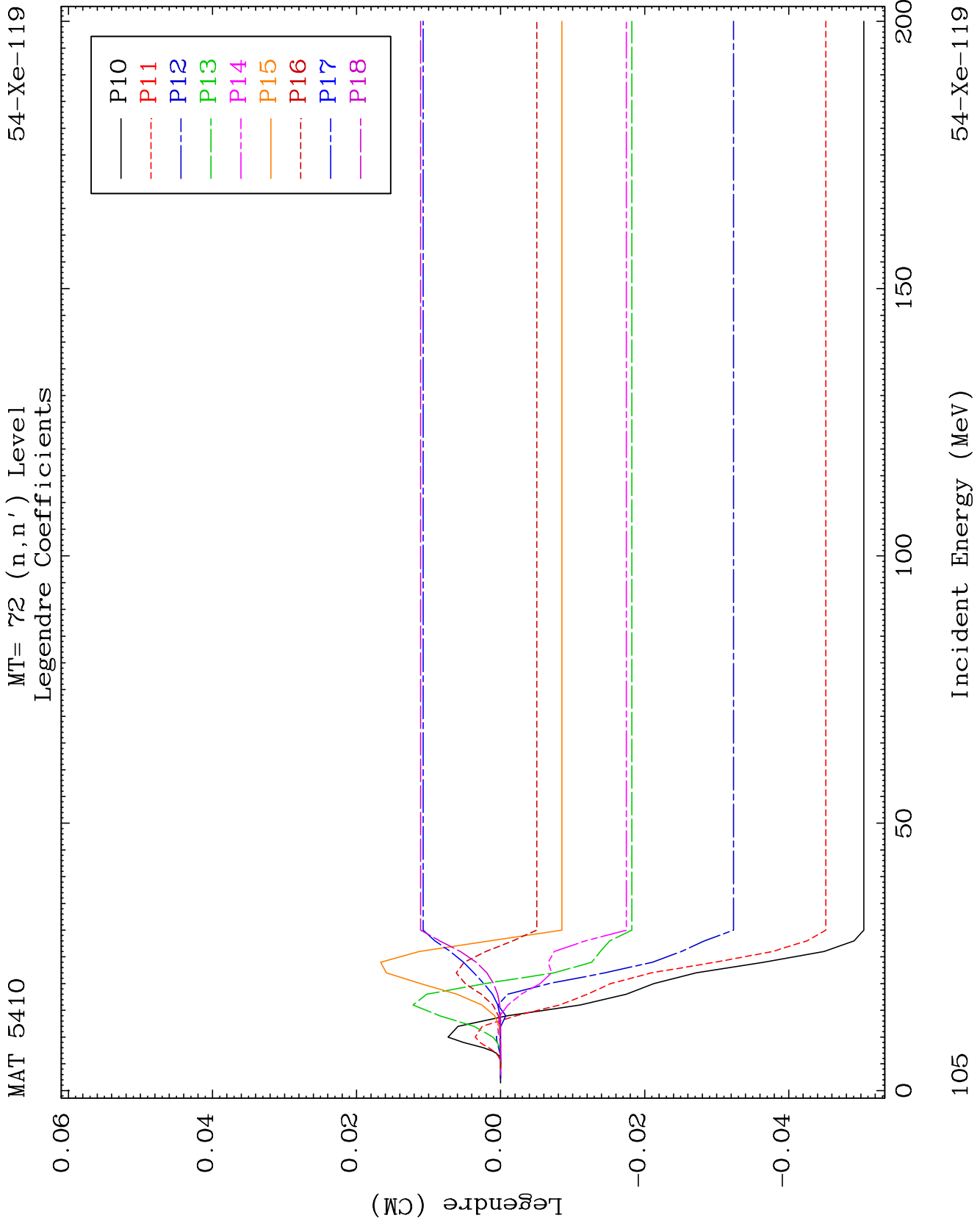
103

Incident Energy (MeV)

54-Xe-119



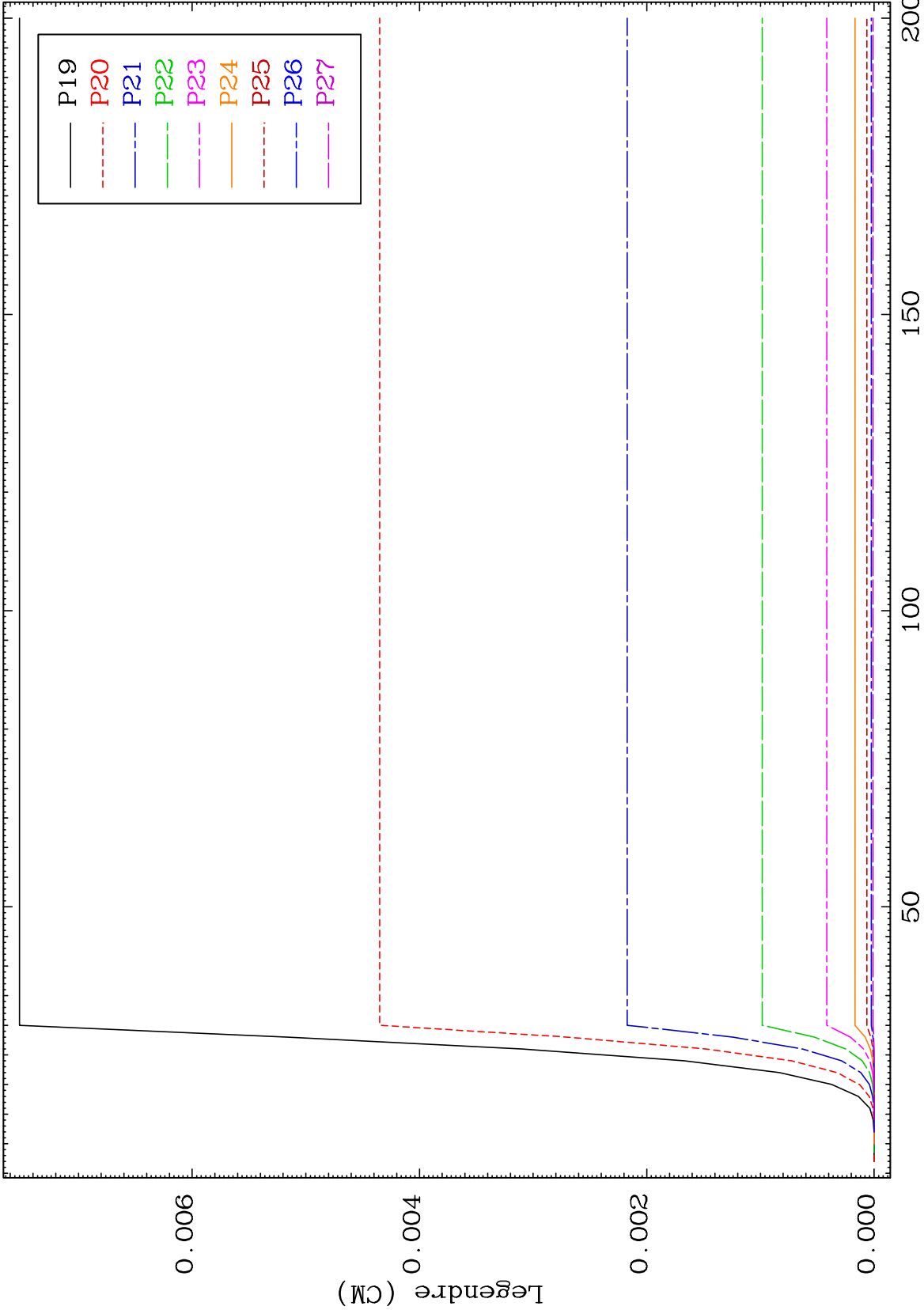




MAT 5410

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

54-Xe-119



106

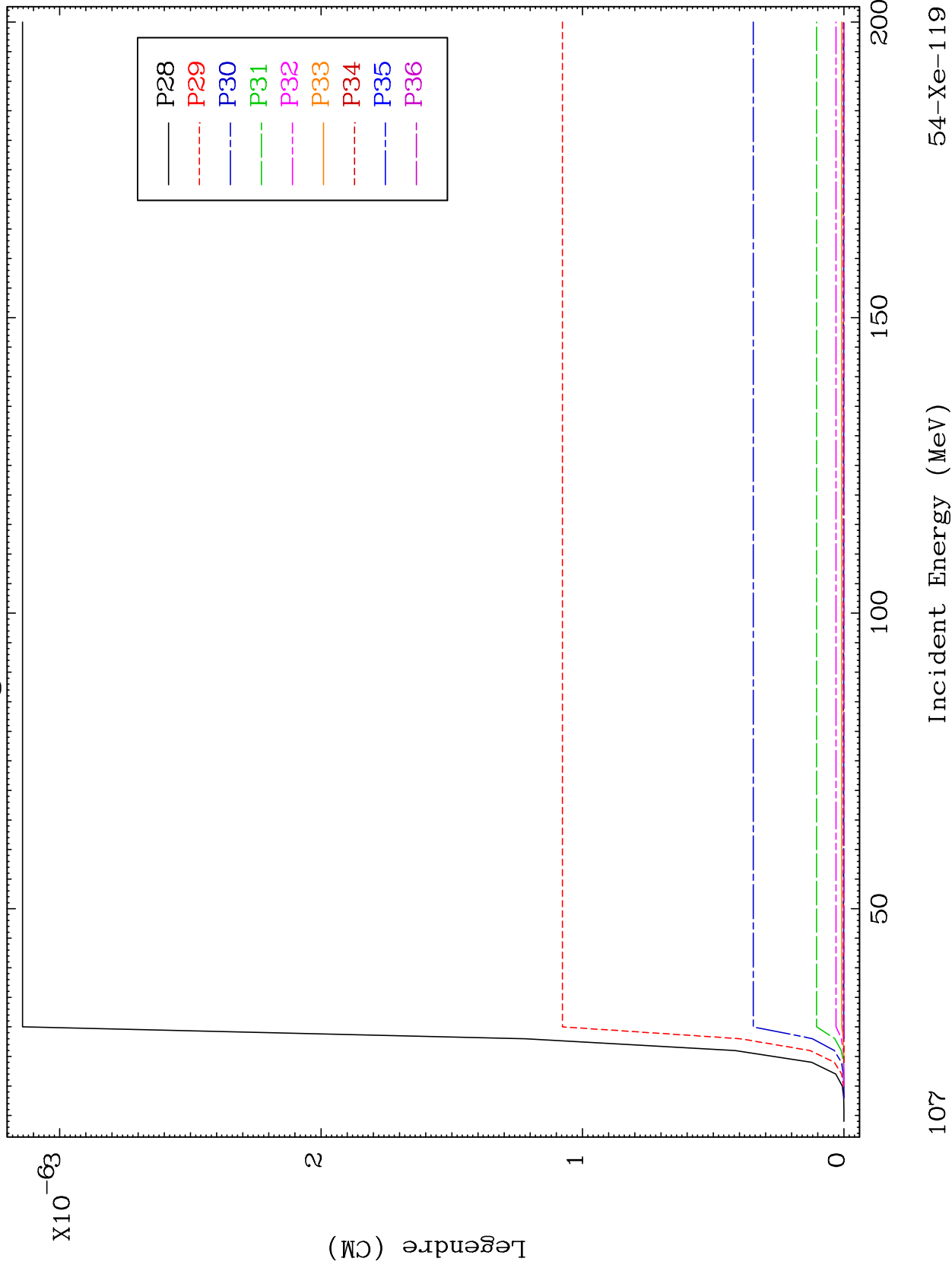
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

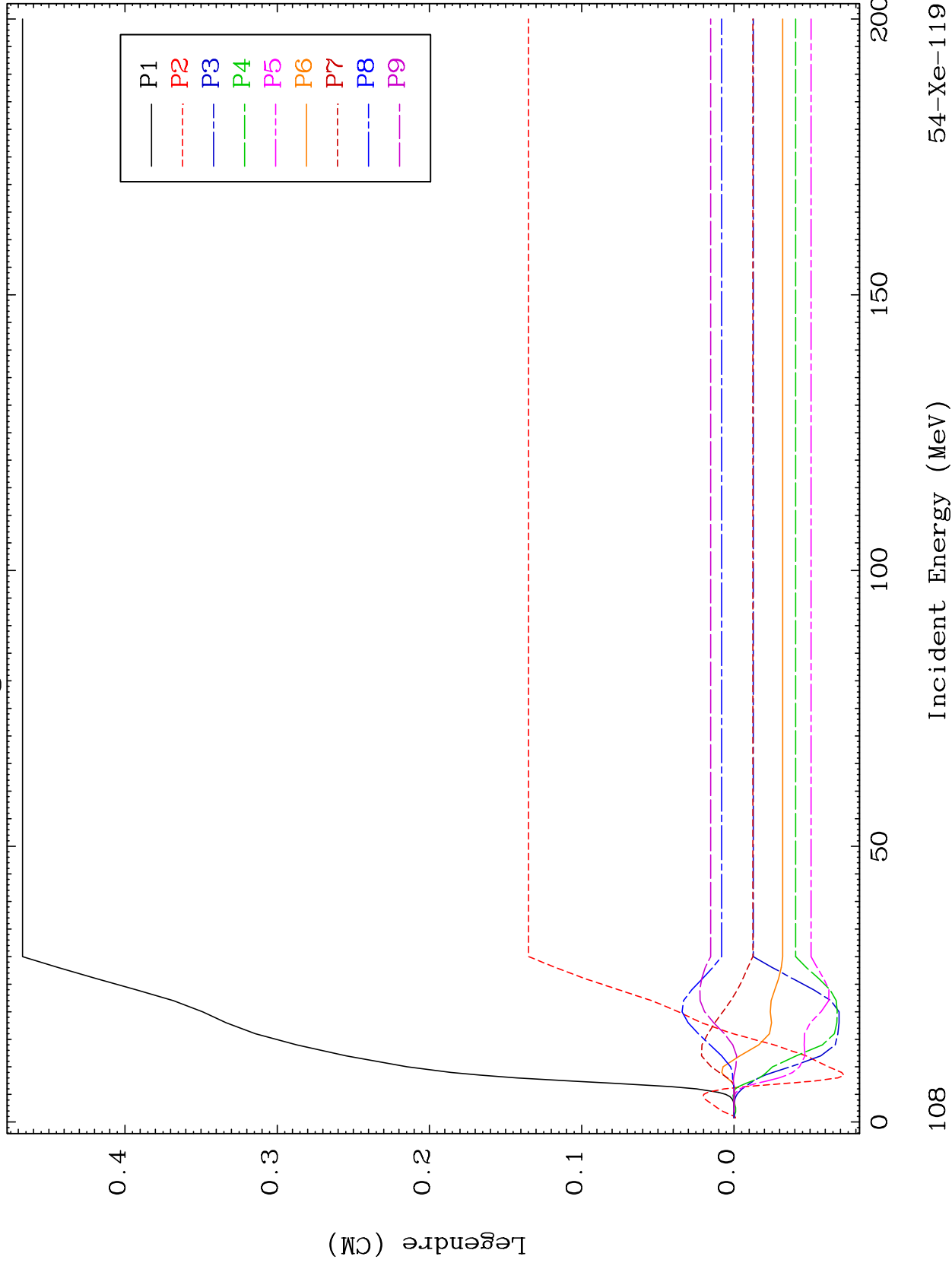
54-Xe-119



MAT 5410

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

54-Xe-119



54-Xe-119

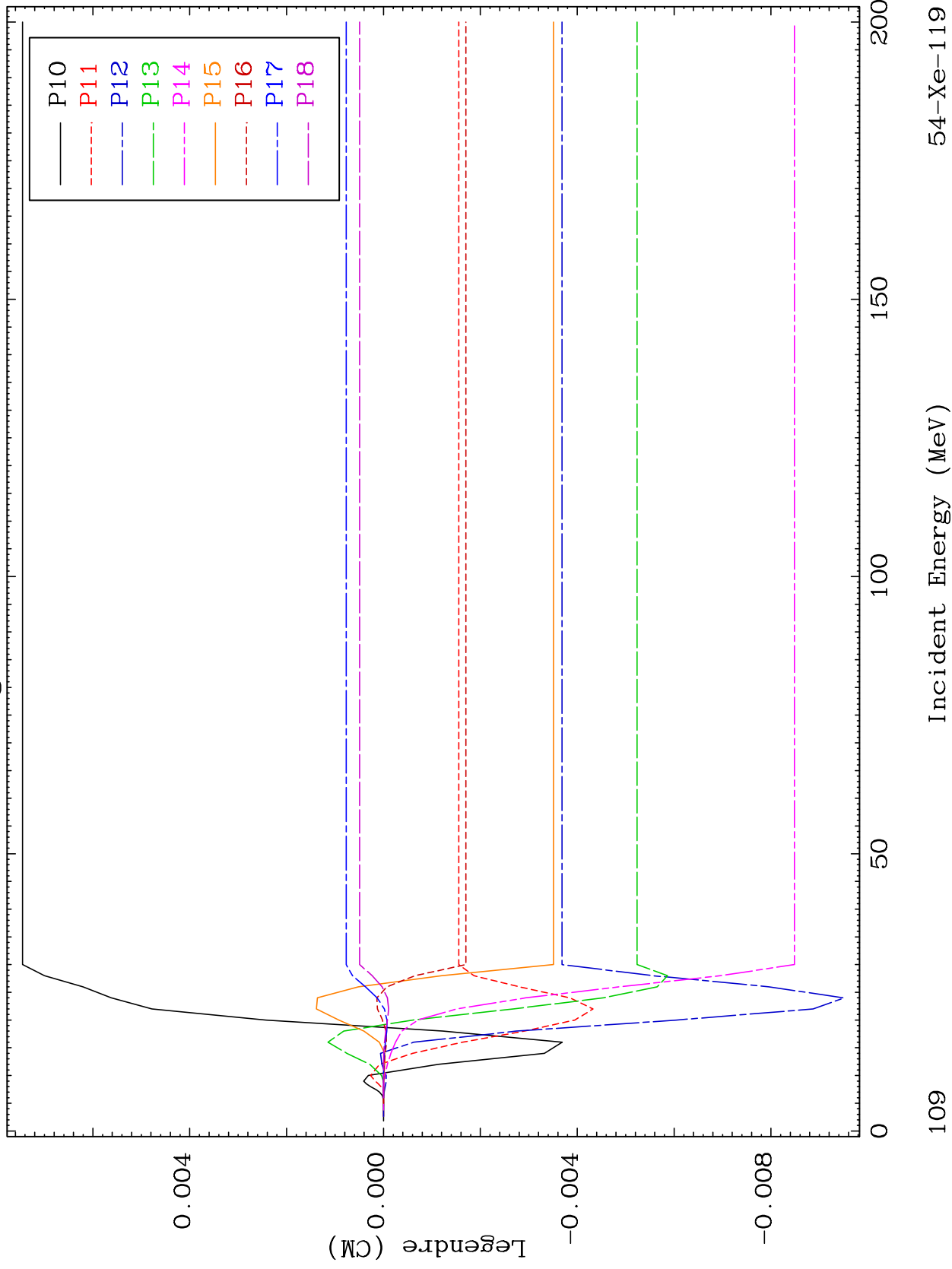
Incident Energy (MeV)

108

MAT 5410

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

54-Xe-119



54-Xe-119

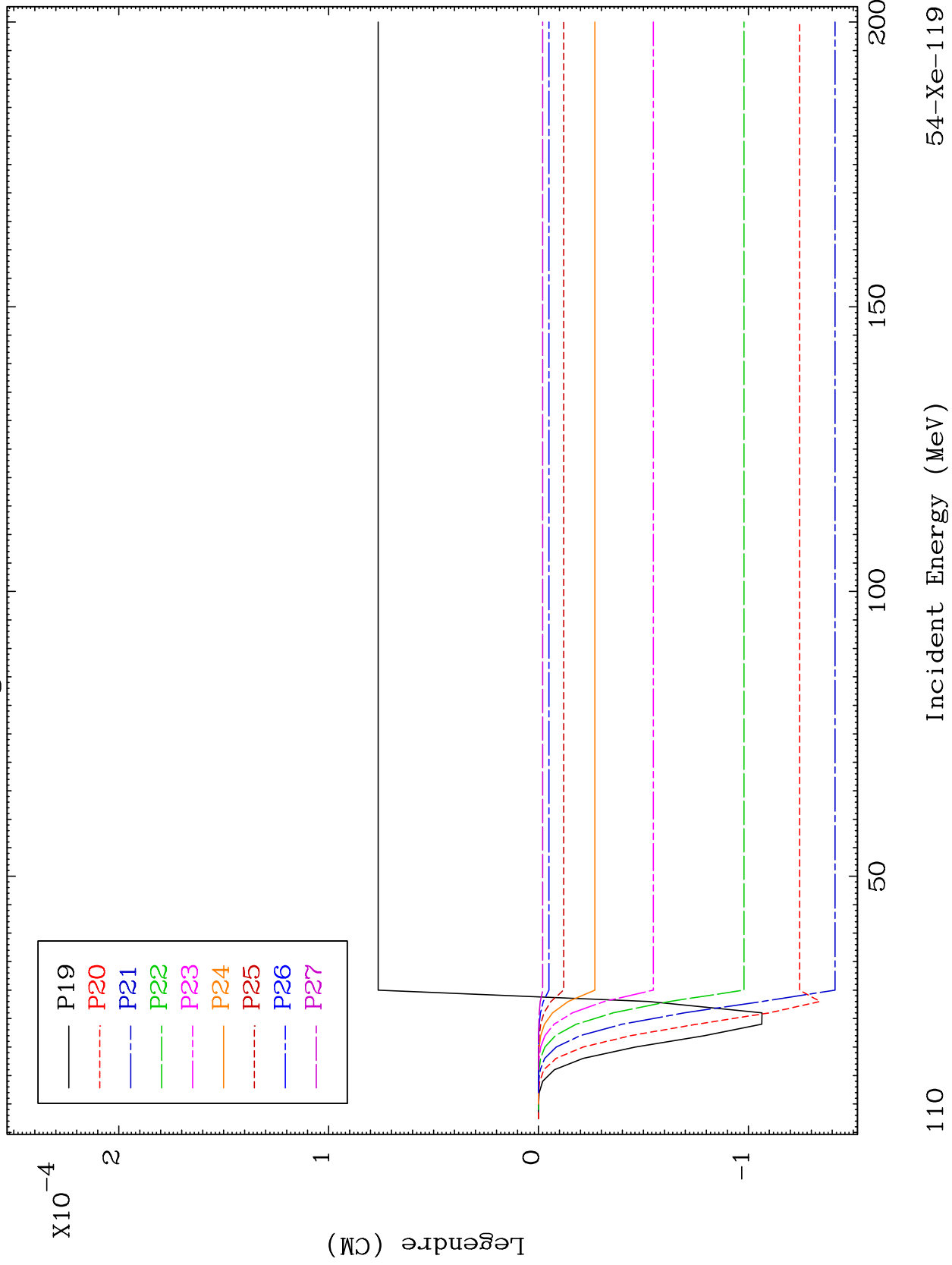
Incident Energy (MeV)

109

MAT 5410

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

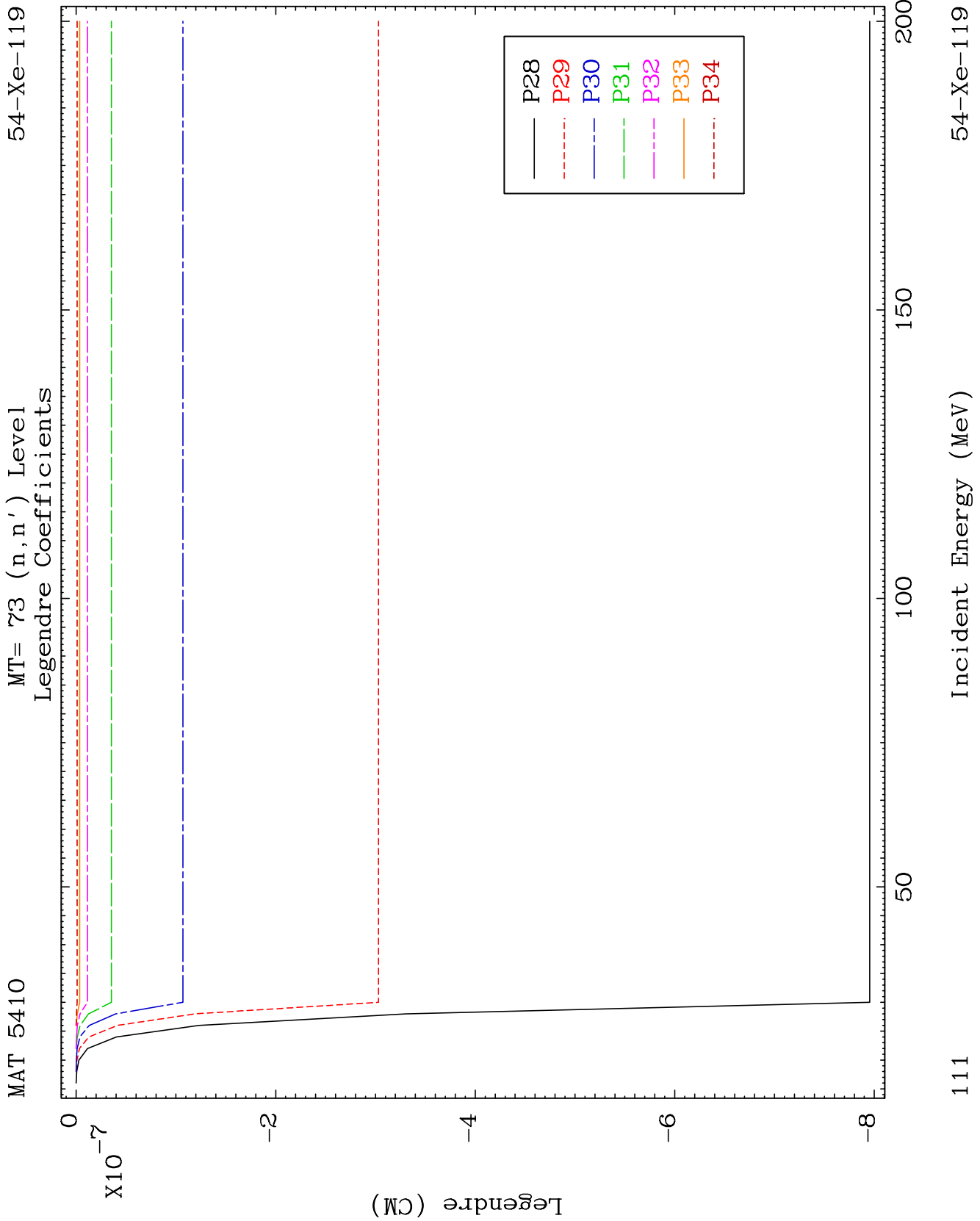
54-Xe-119



110

Incident Energy (MeV)

54-Xe-119

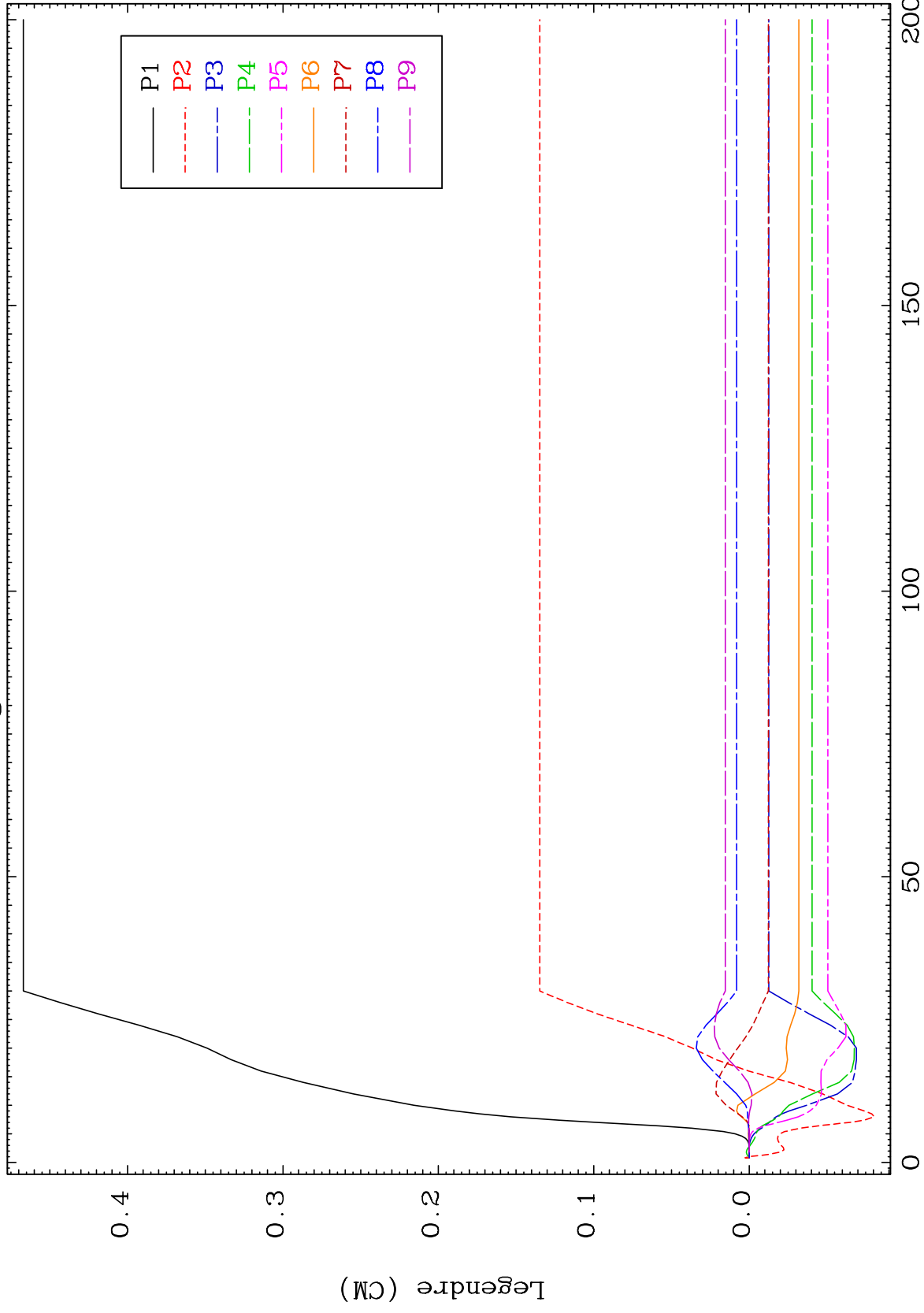




MAT 5410

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

54-Xe-119



54-Xe-119

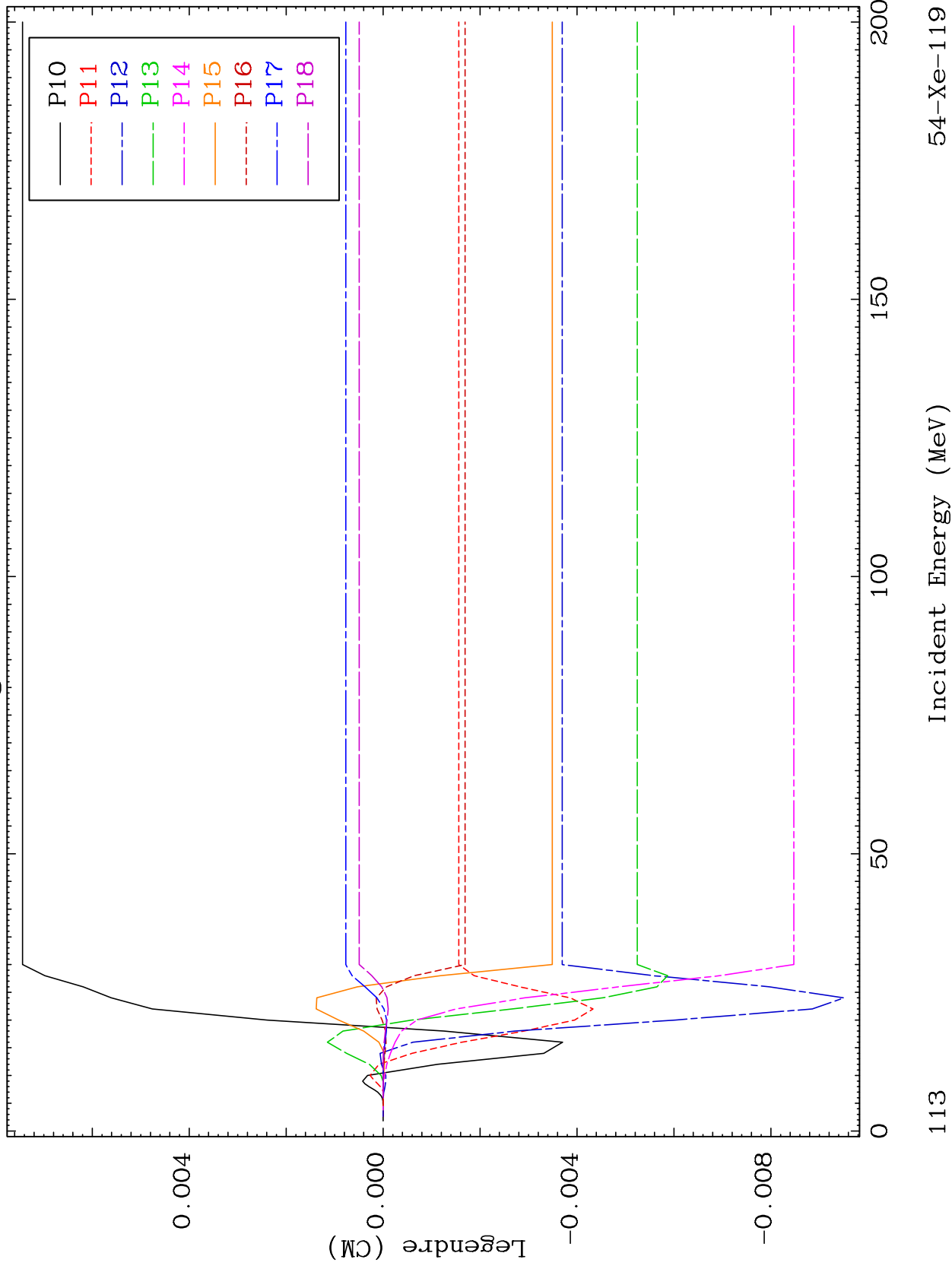
Incident Energy (MeV)

112

MAT 5410

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

54-Xe-119



113

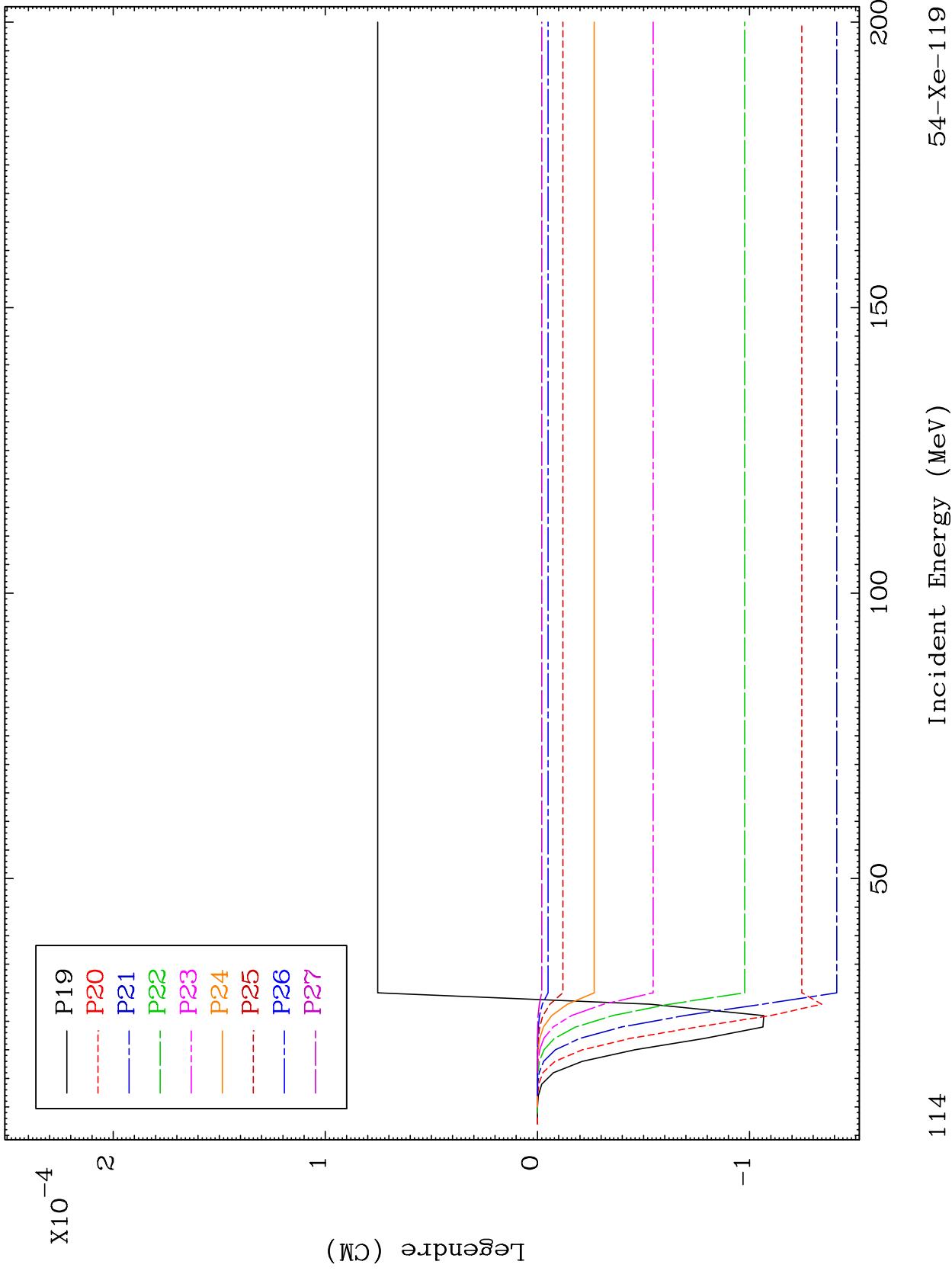
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



114

Incident Energy (MeV)

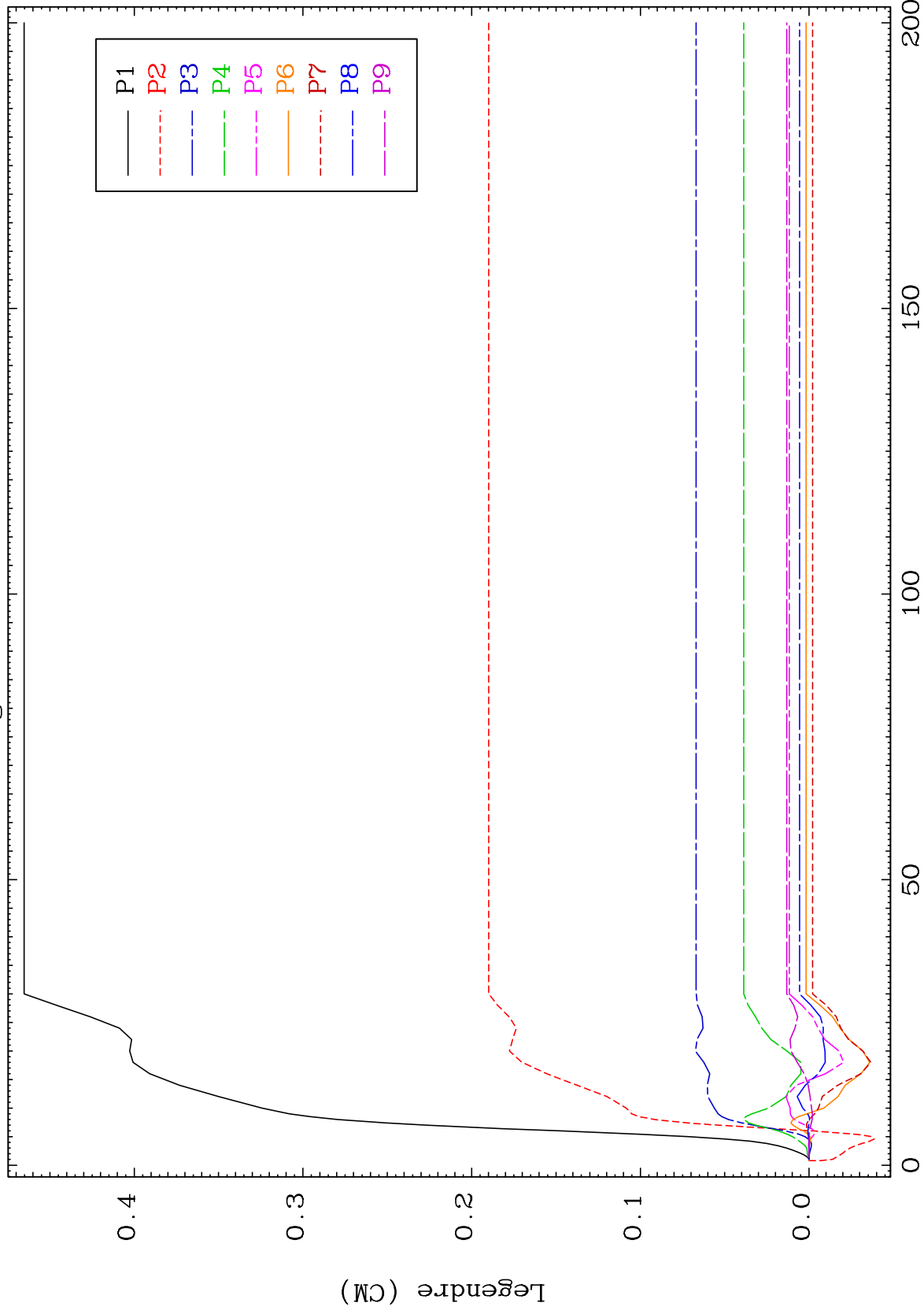
54-Xe-119



MAT 5410

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

54-Xe-119



54-Xe-119

Incident Energy (MeV)

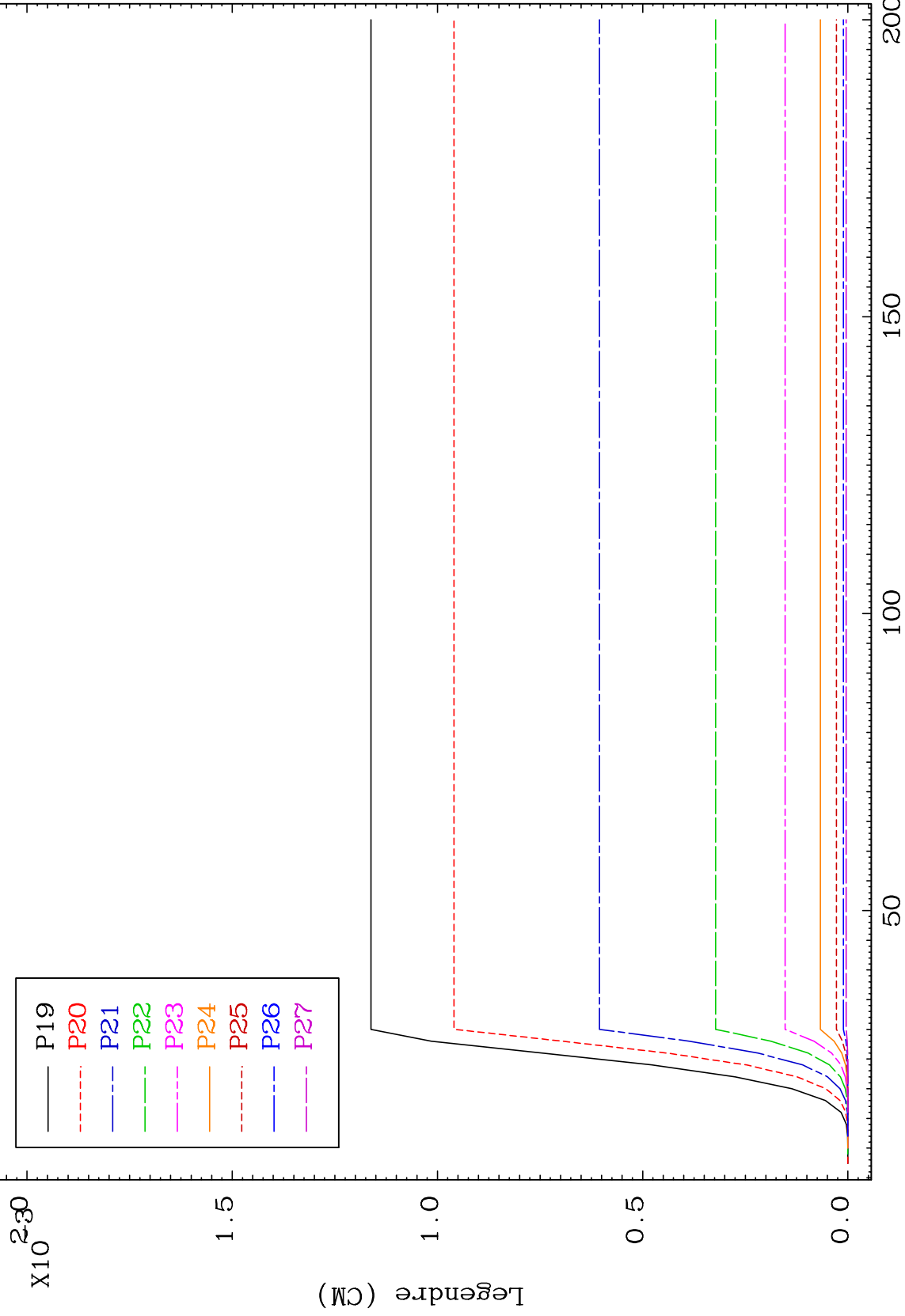
116



MAT 5410

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

54-Xe-119



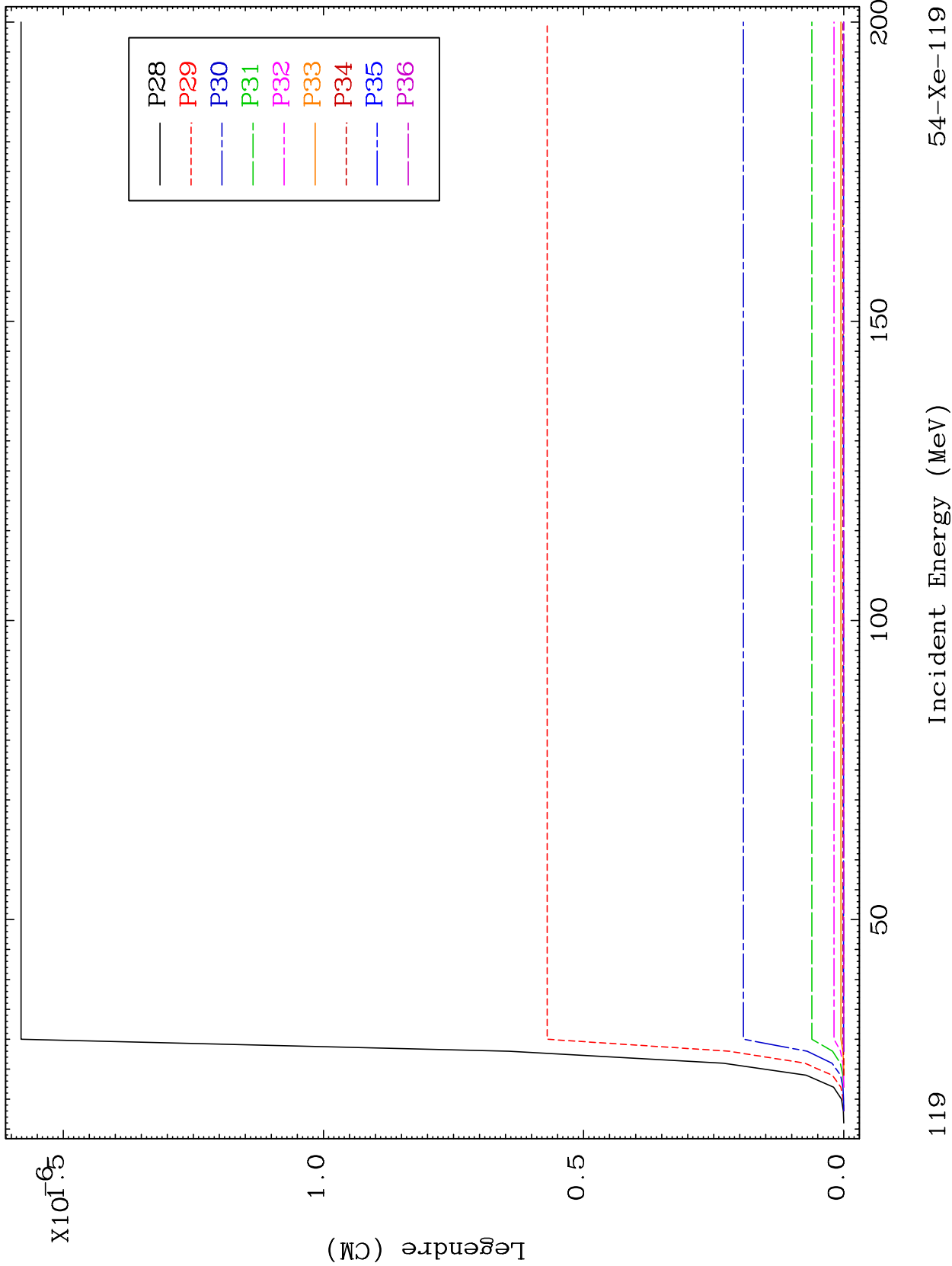
118

54-Xe-119

MAT 5410

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

54-Xe-119

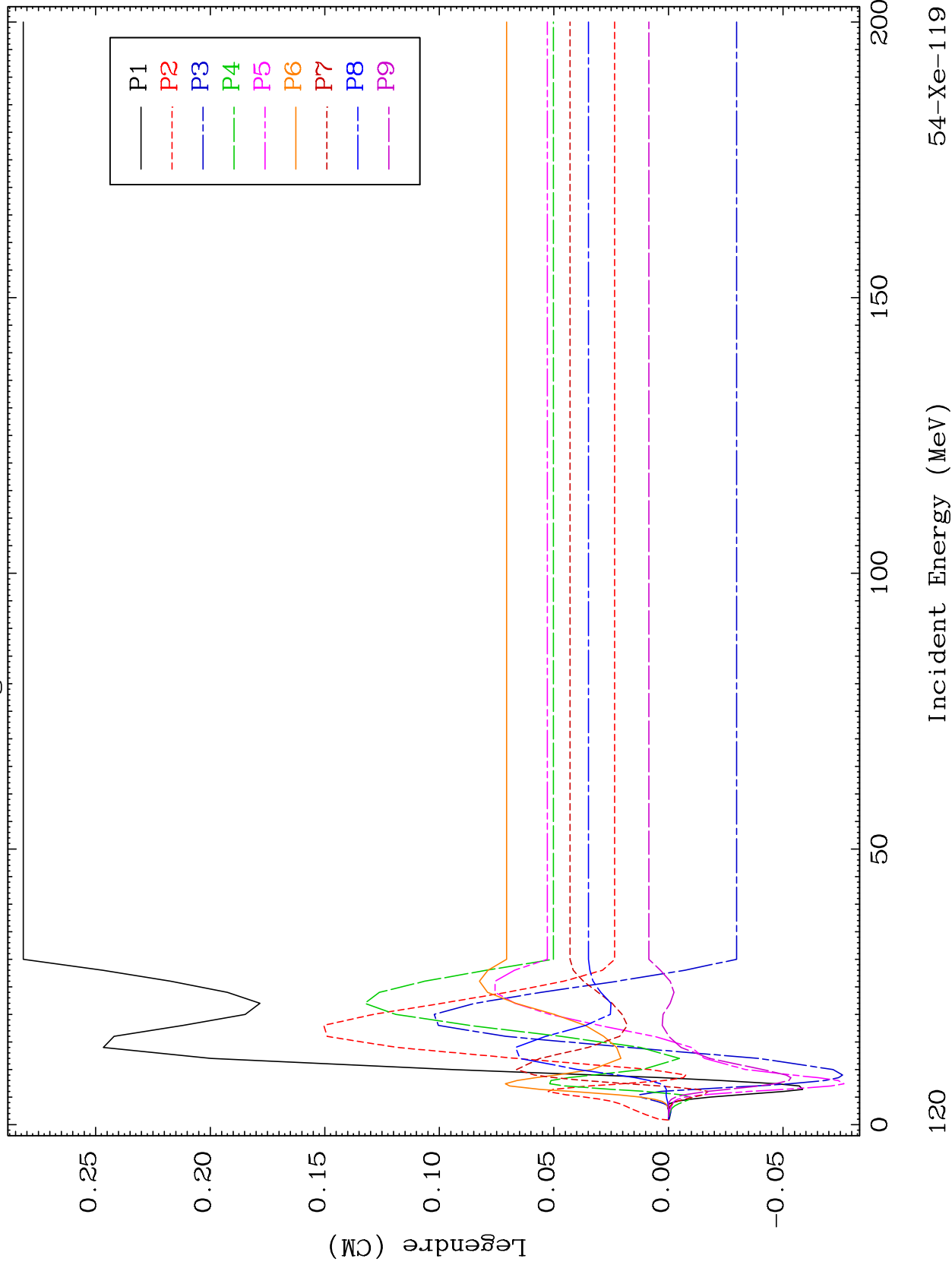




MAT 5410

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

54-Xe-119



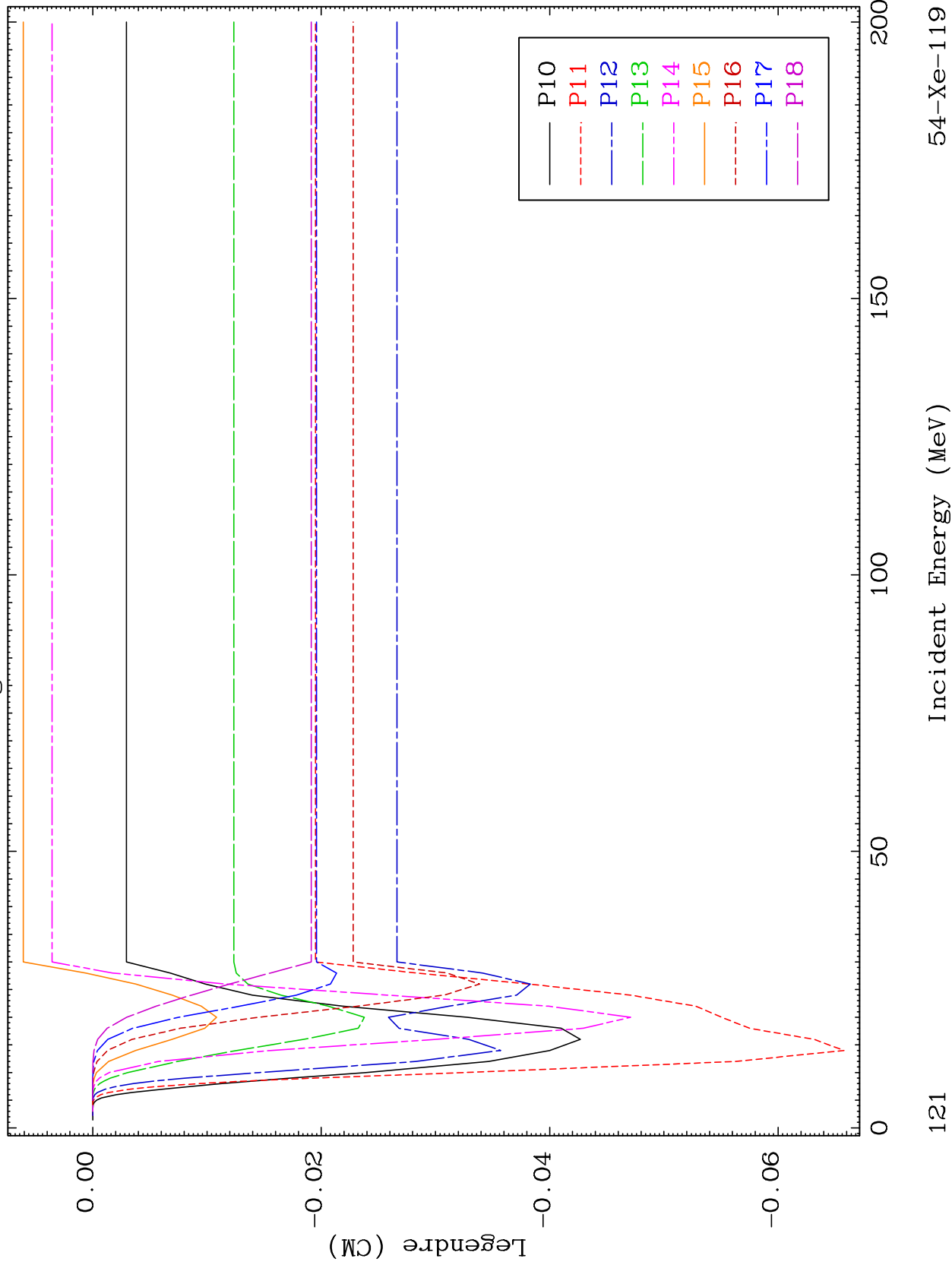
54-Xe-119

Incident Energy (MeV)

MAT 5410

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

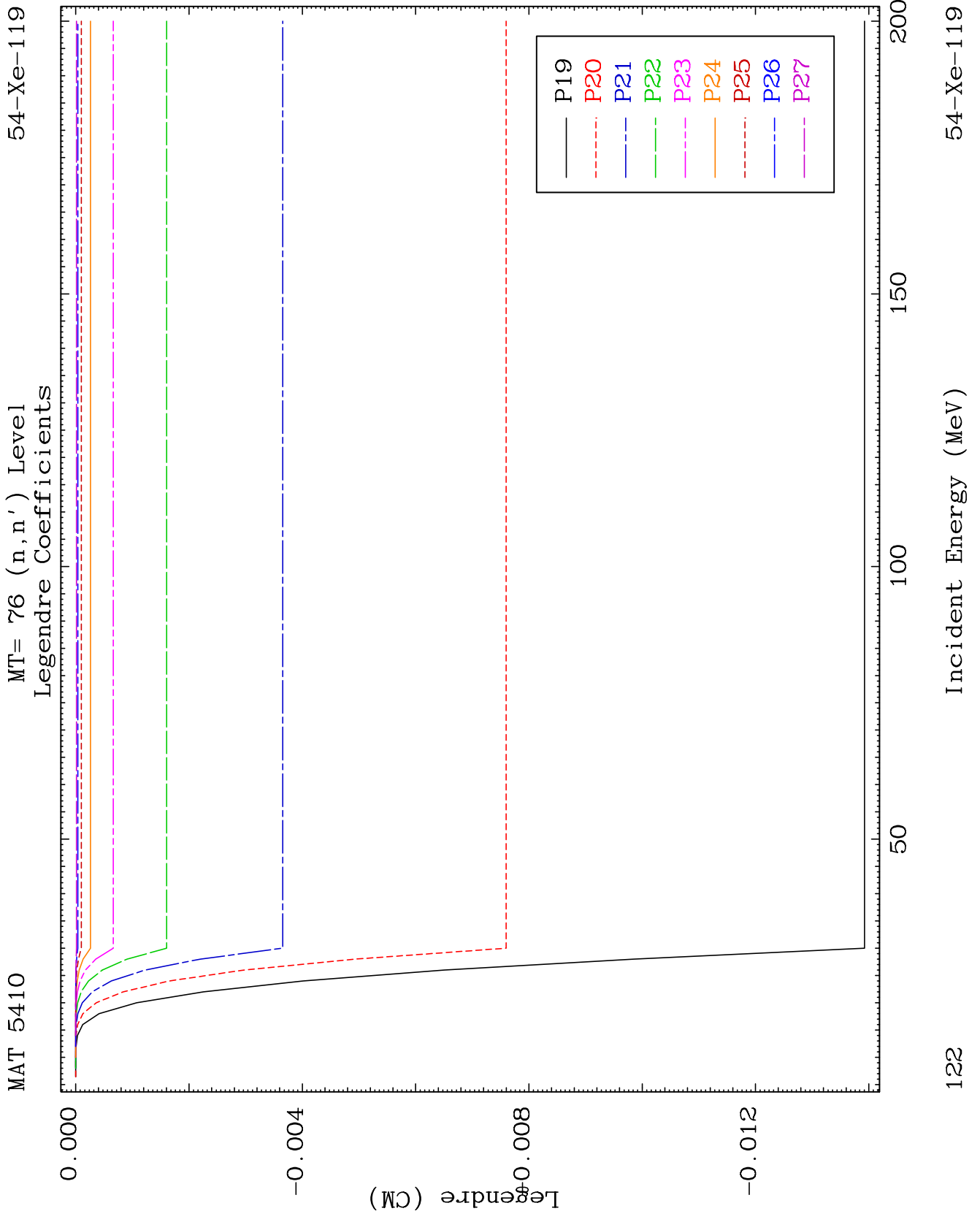
54-Xe-119

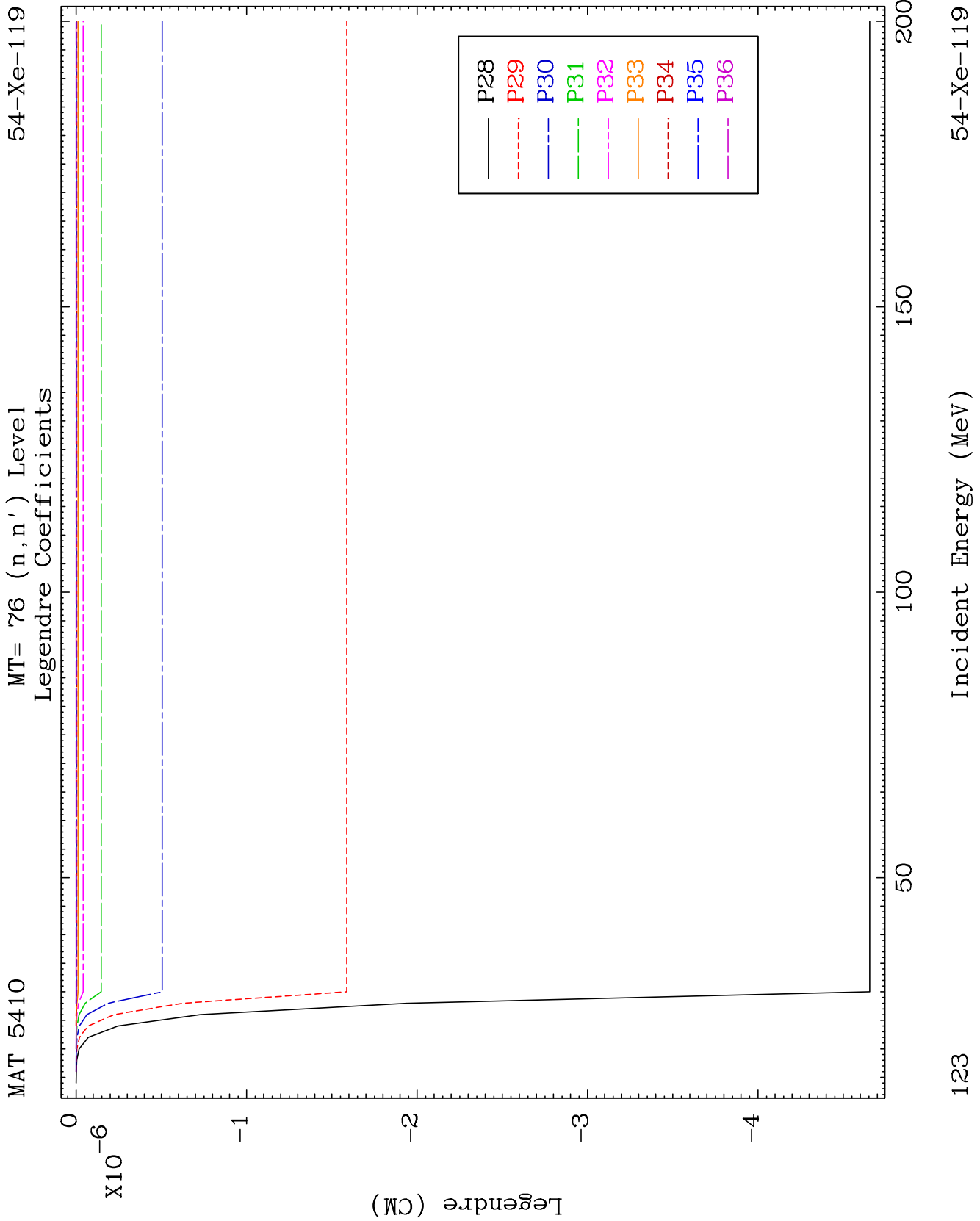


54-Xe-119

Incident Energy (MeV)

121

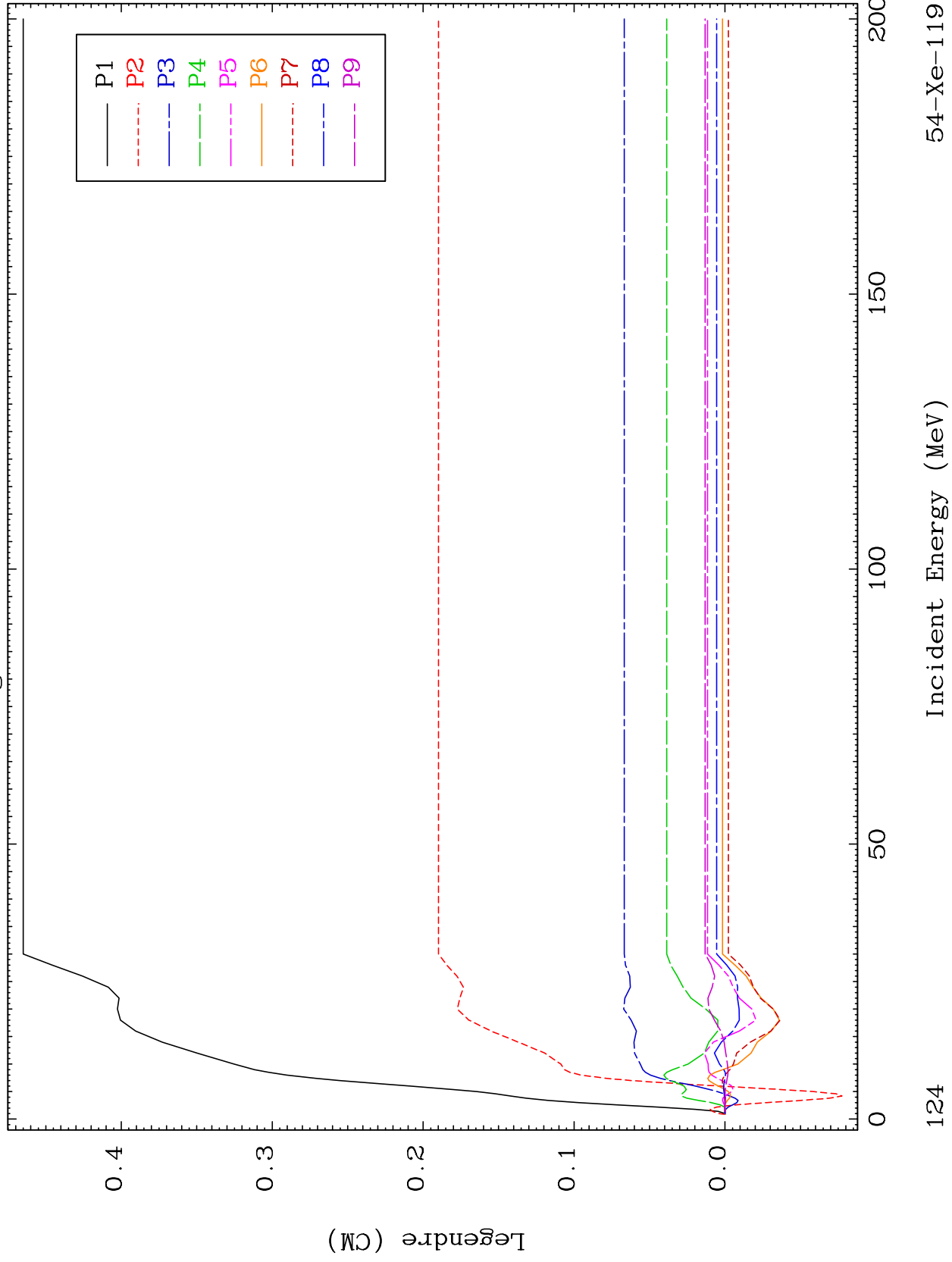




MAT 5410

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

54-Xe-119



54-Xe-119

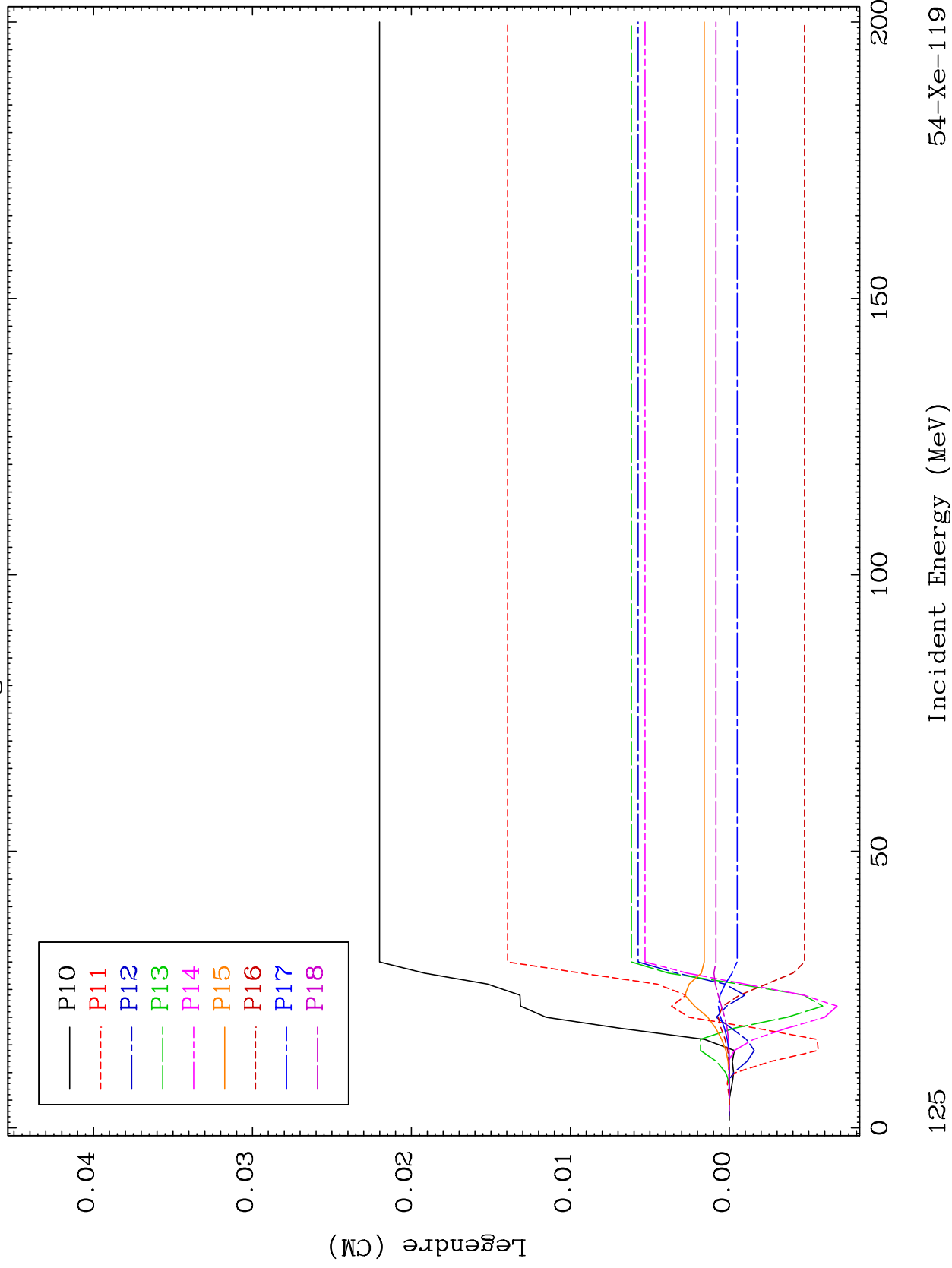
Incident Energy (MeV)

124

MAT 5410

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

54-Xe-119



54-Xe-119

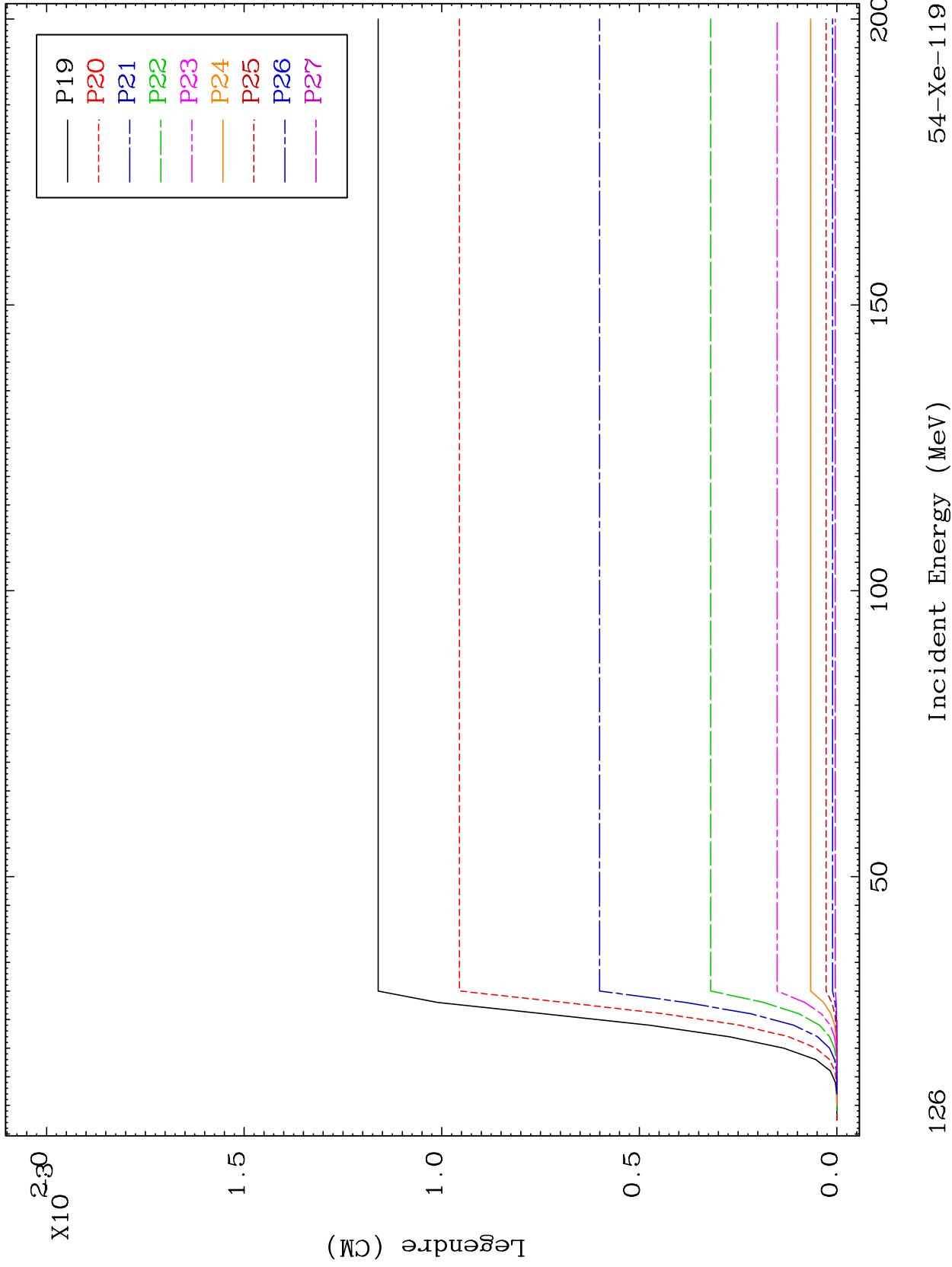
Incident Energy (MeV)

125

MAT 5410

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

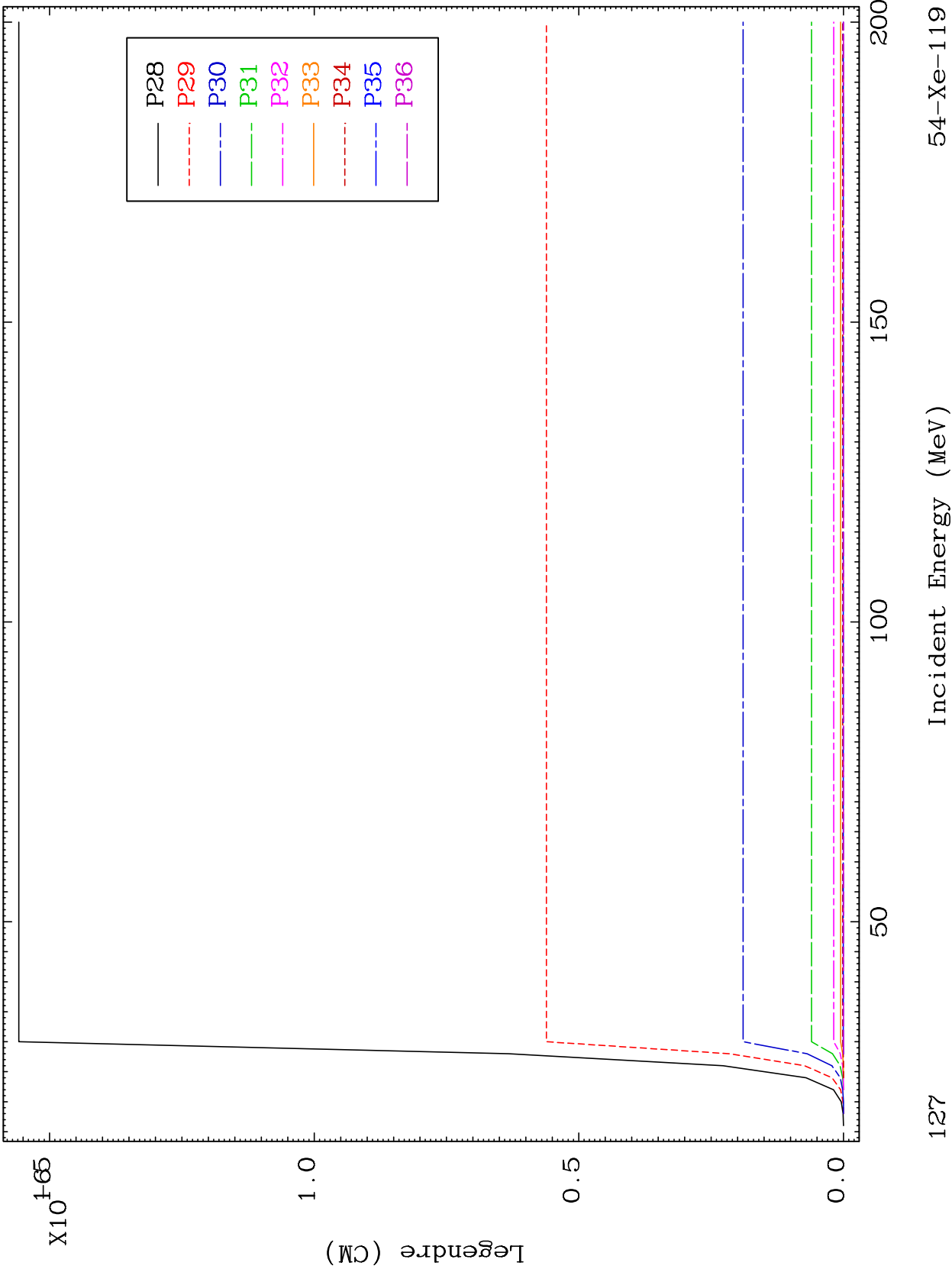
54-Xe-119



MAT 5410

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

54-Xe-119

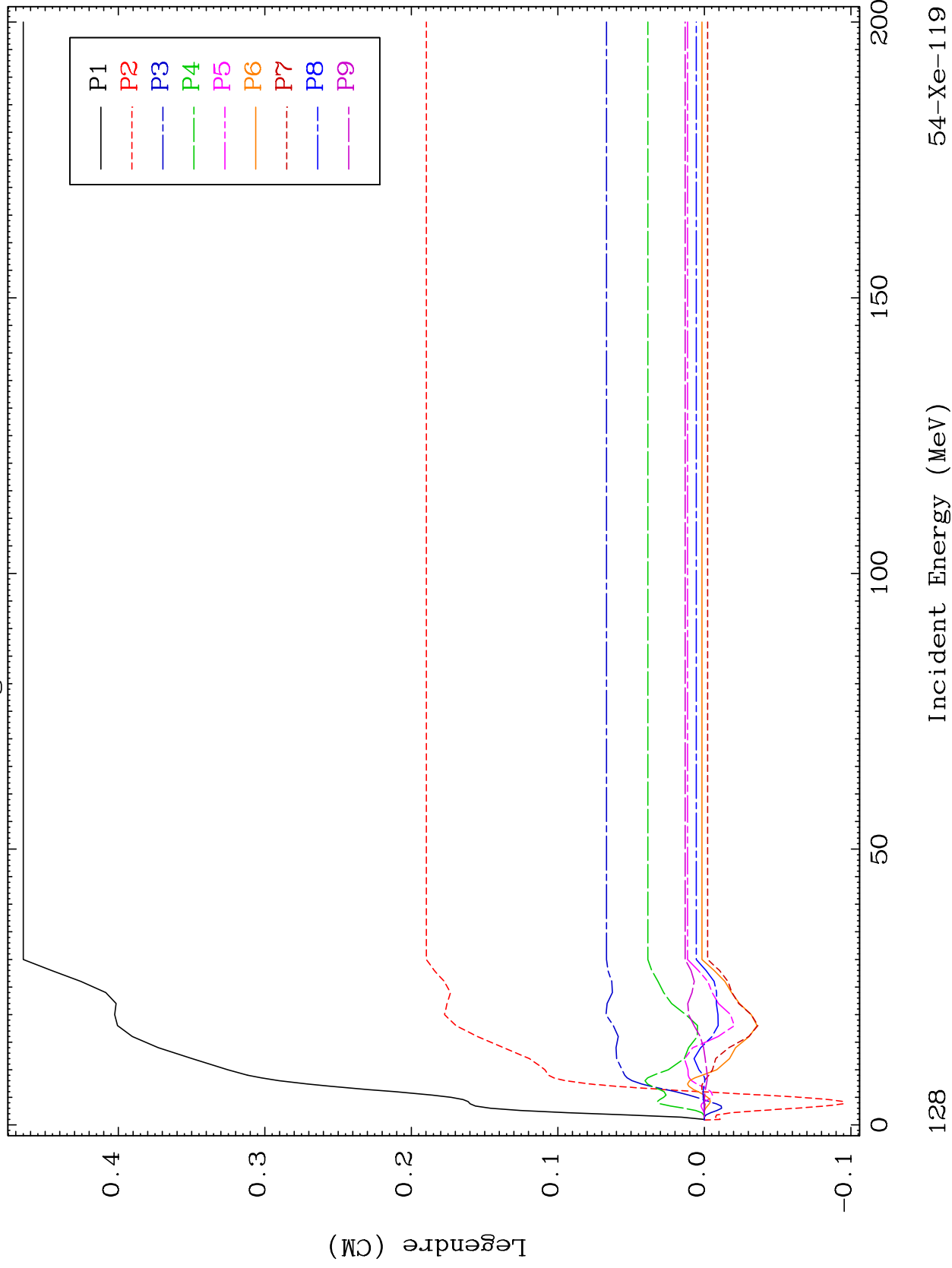




MAT 5410

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

54-Xe-119



128

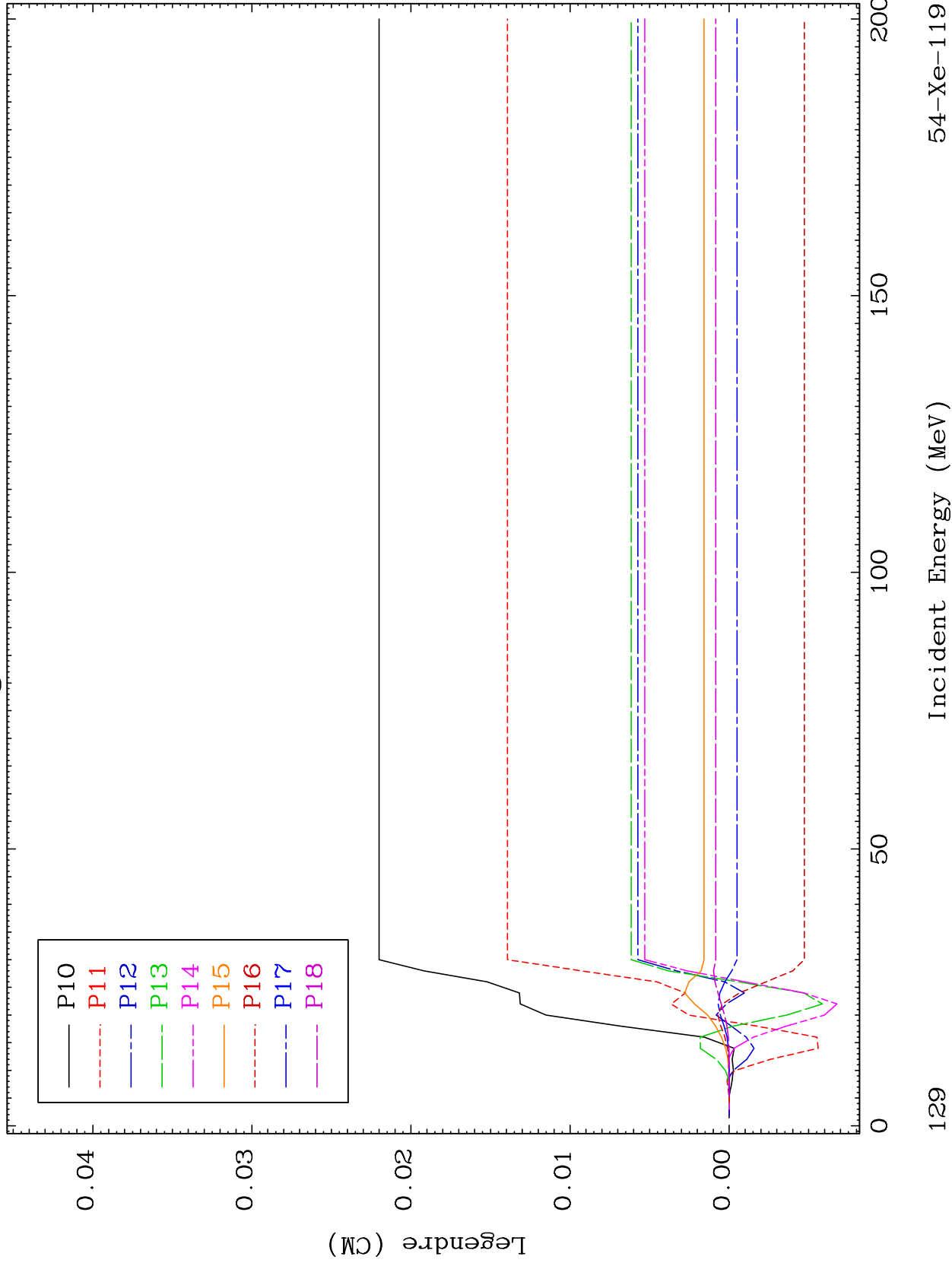
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



129

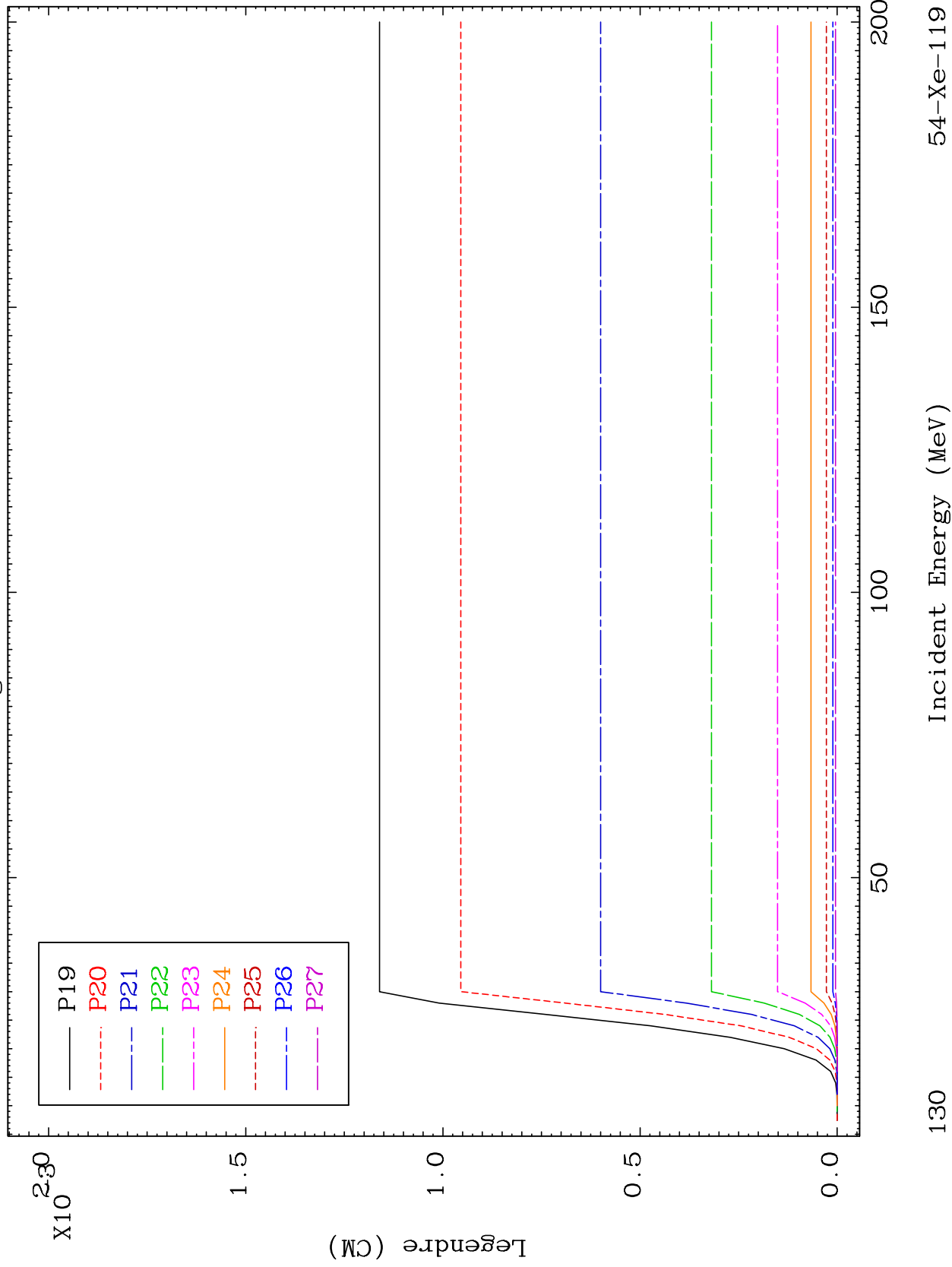
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

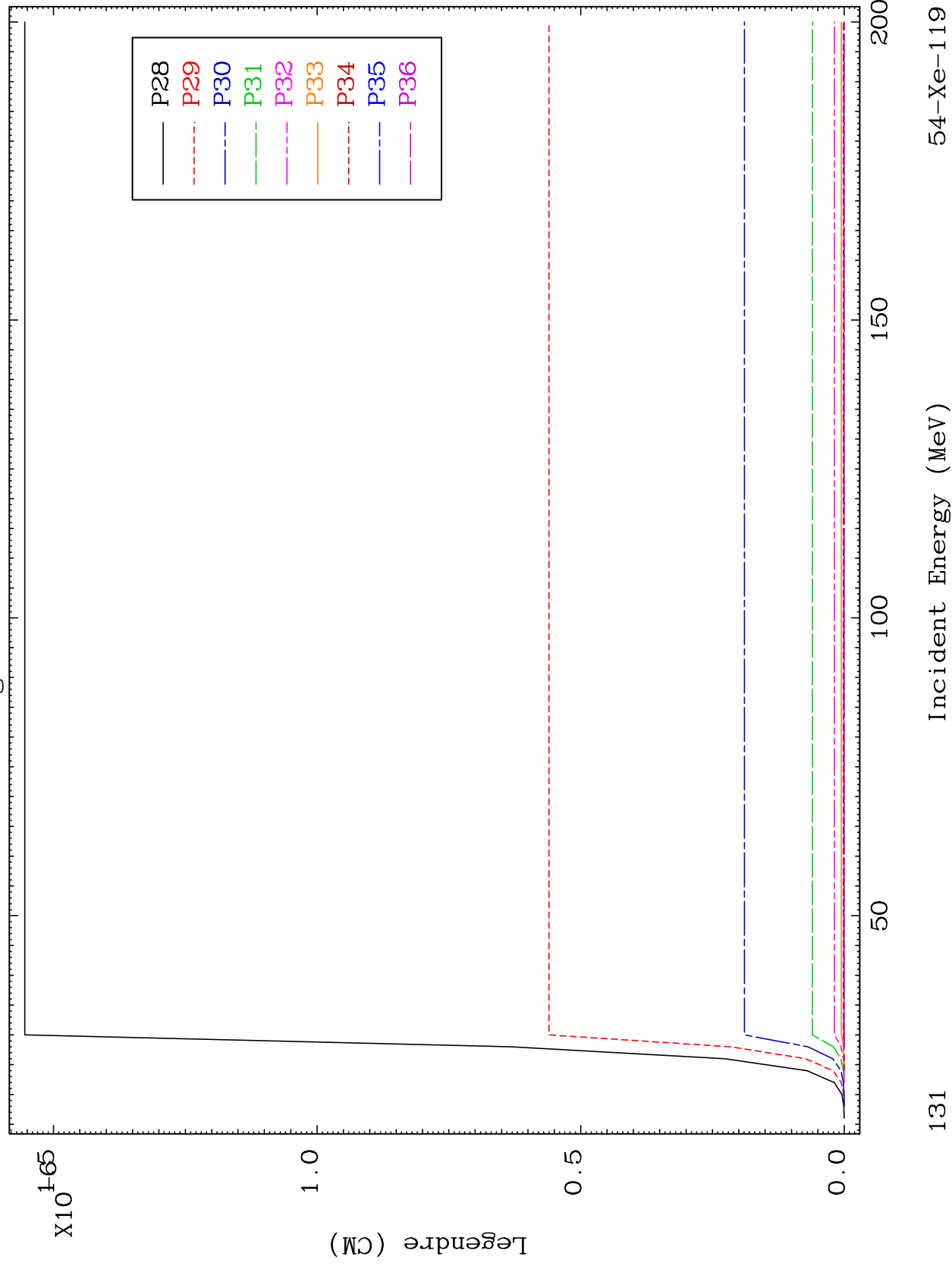
54-Xe-119



MAT 5410

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

54-Xe-119



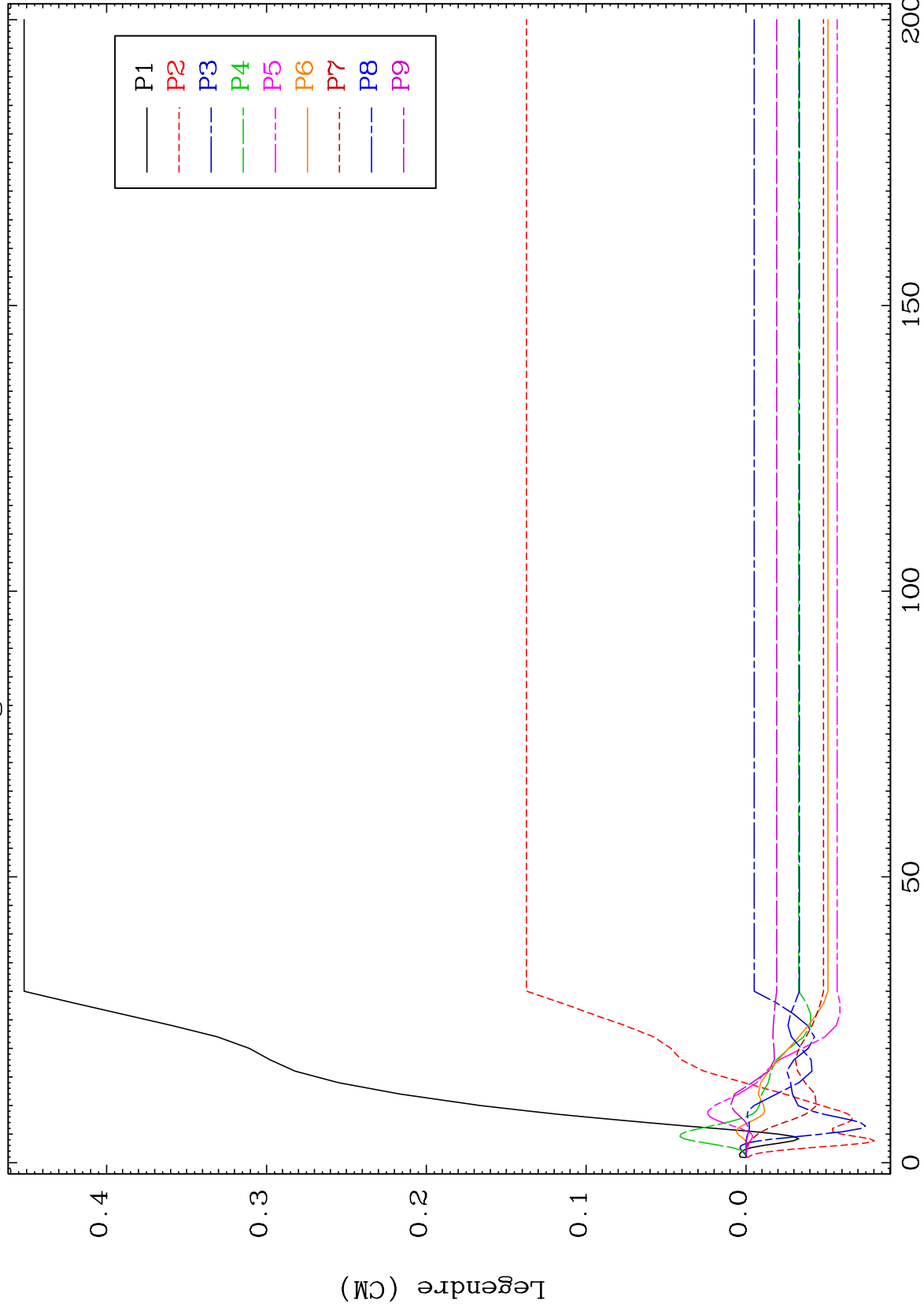
131

54-Xe-119

MAT 5410

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

54-Xe-119



132

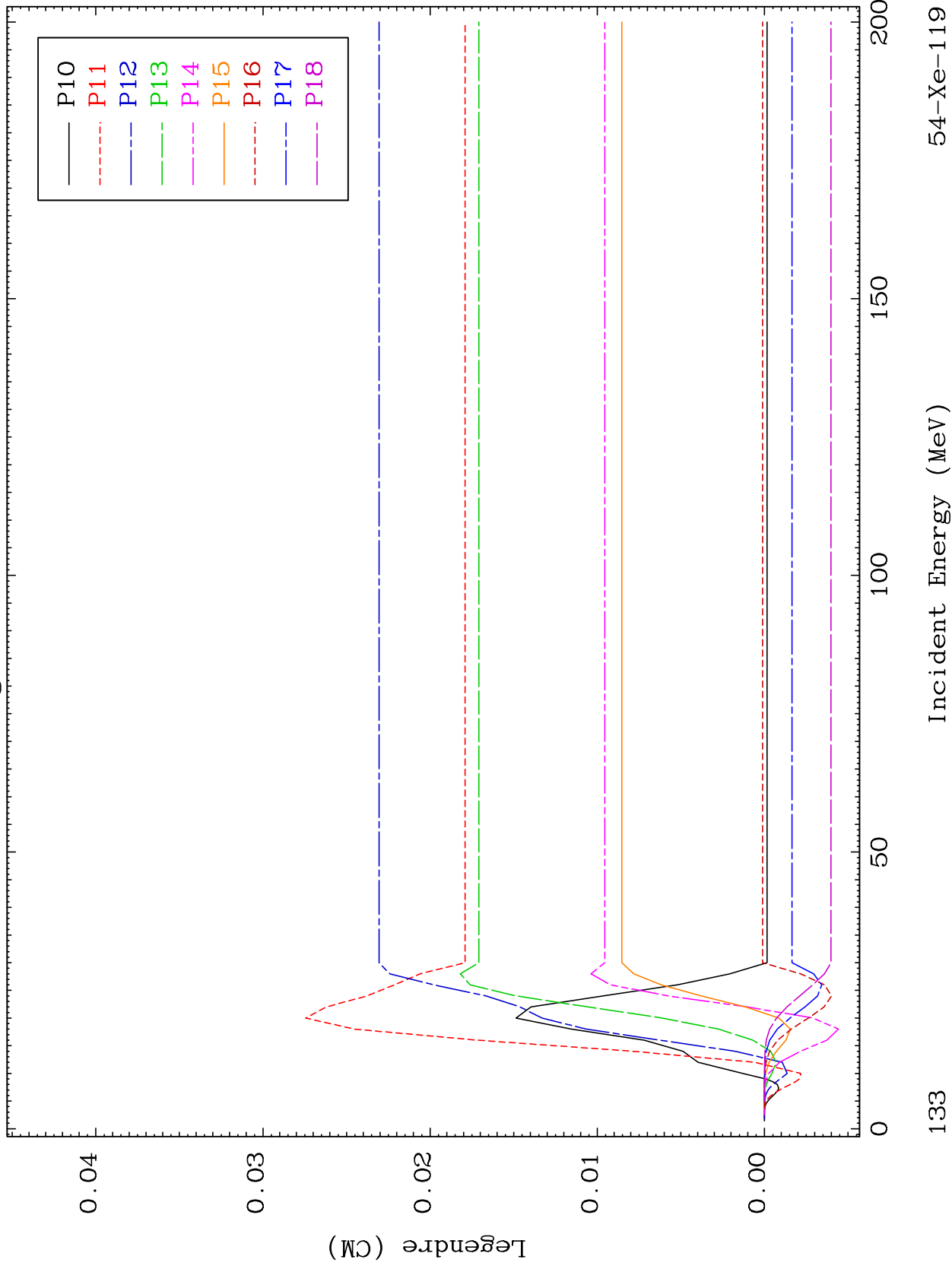
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



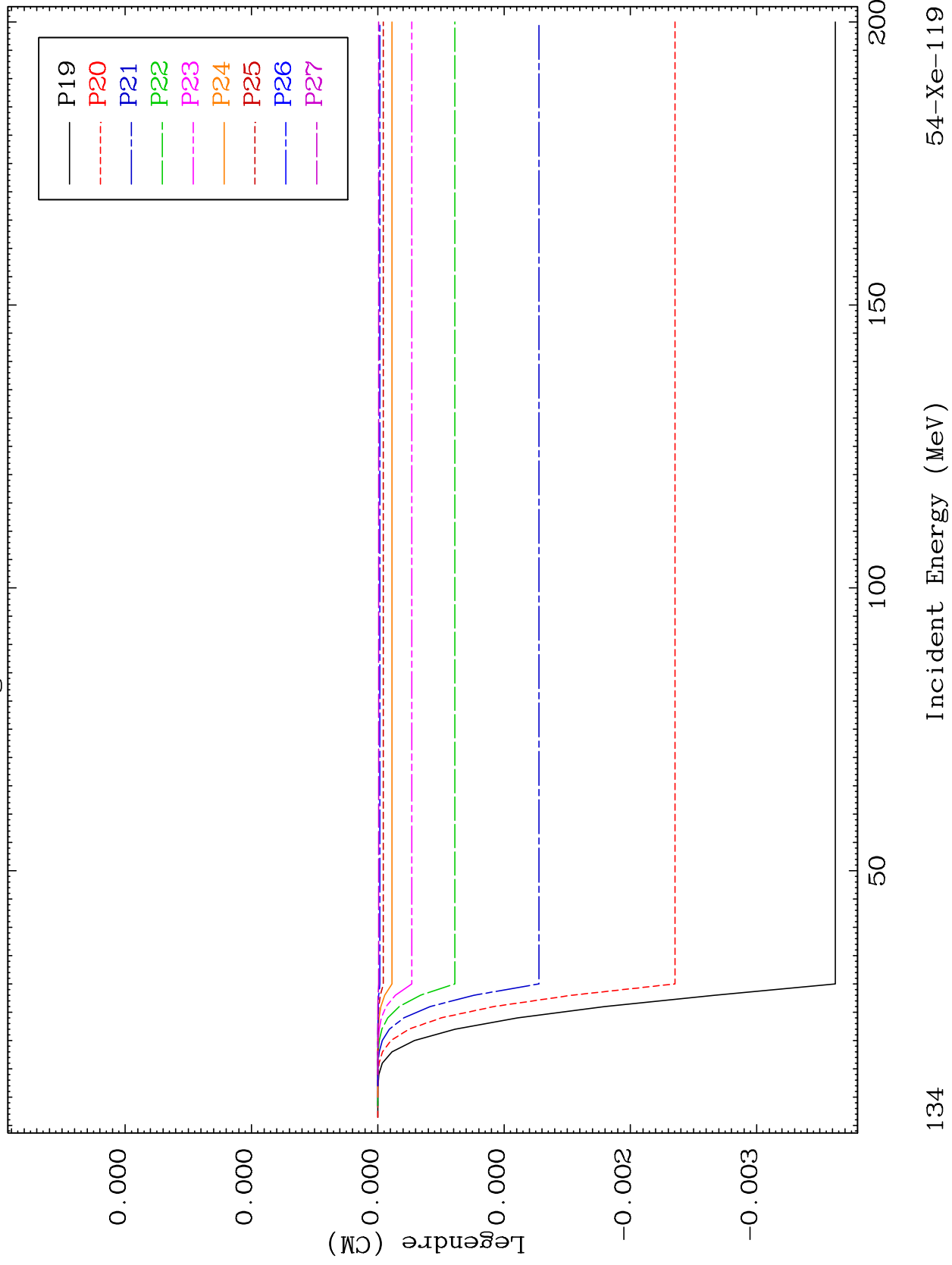
133

54-Xe-119

MAT 5410

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

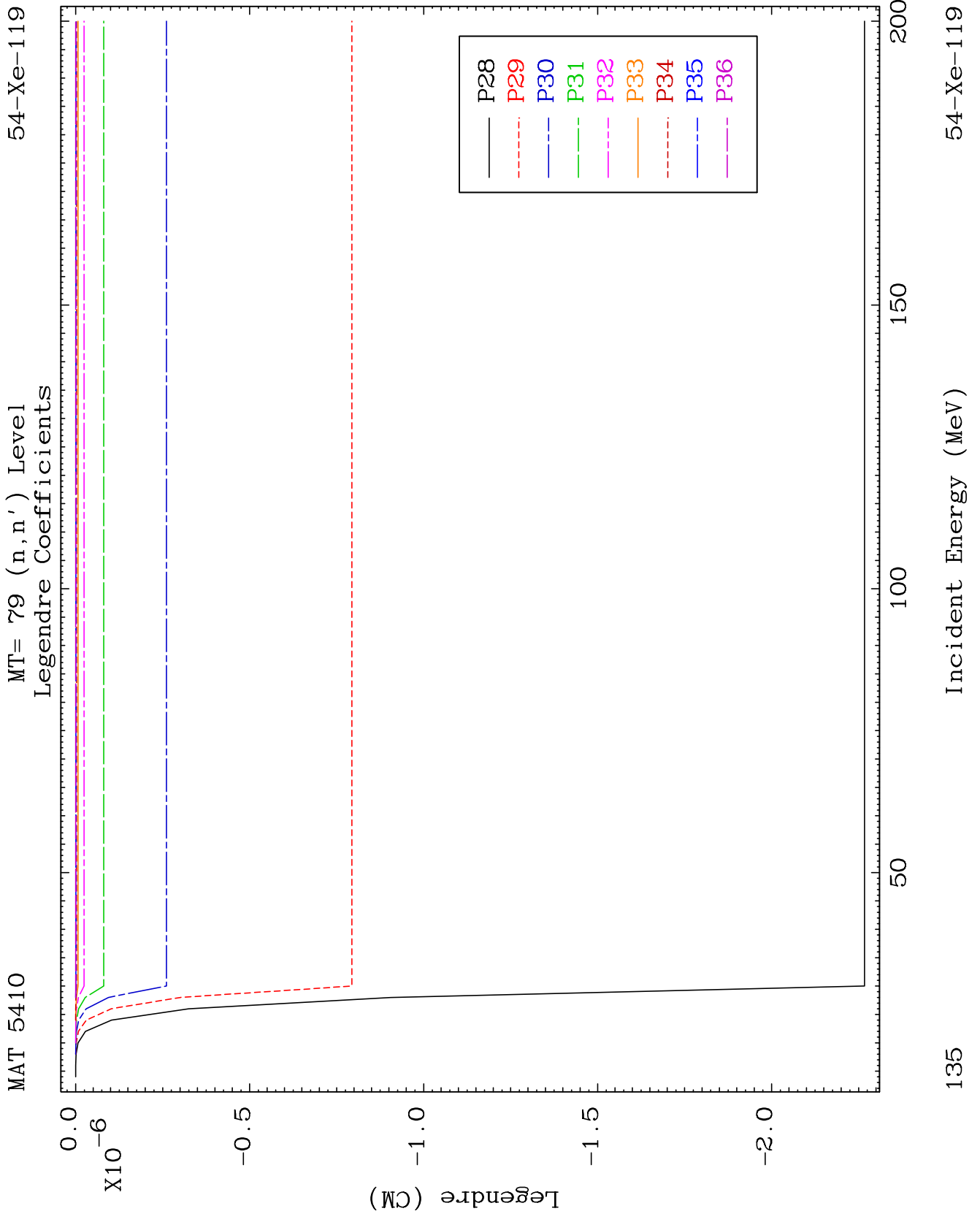
54-Xe-119



134

Incident Energy (MeV)

54-Xe-119

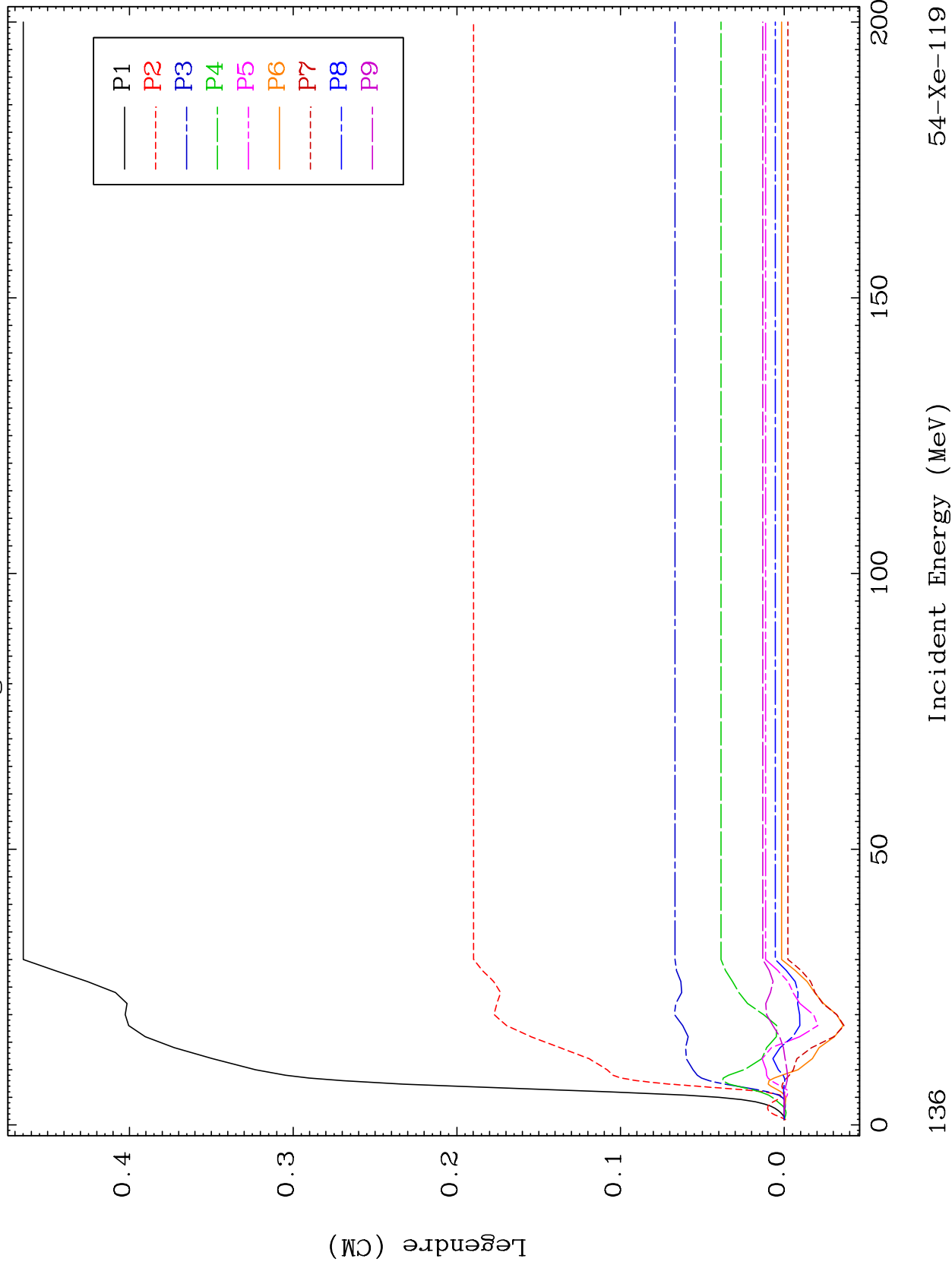




MAT 5410

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

54-Xe-119



54-Xe-119

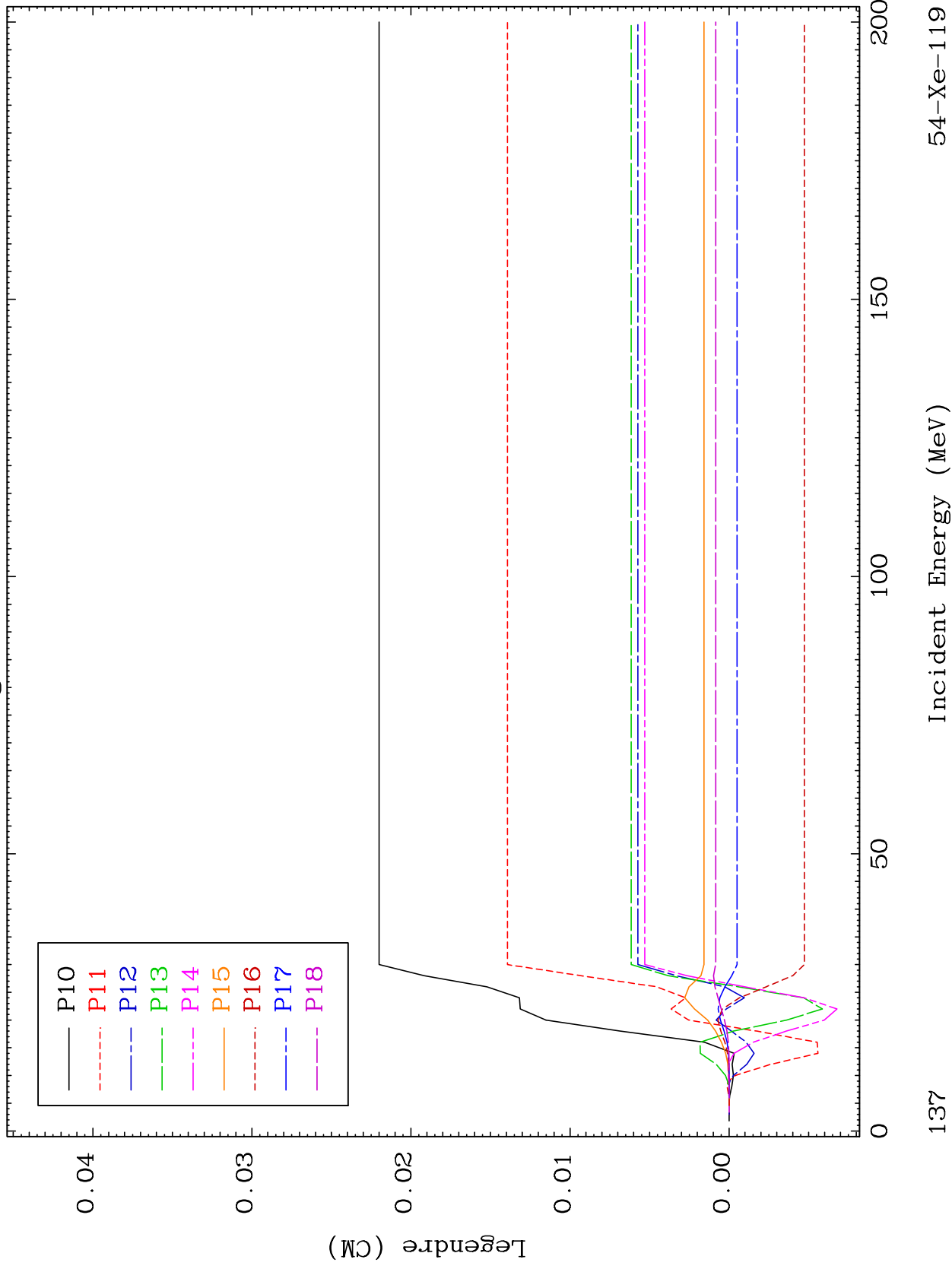
Incident Energy (MeV)

136

MAT 5410

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

54-Xe-119



137

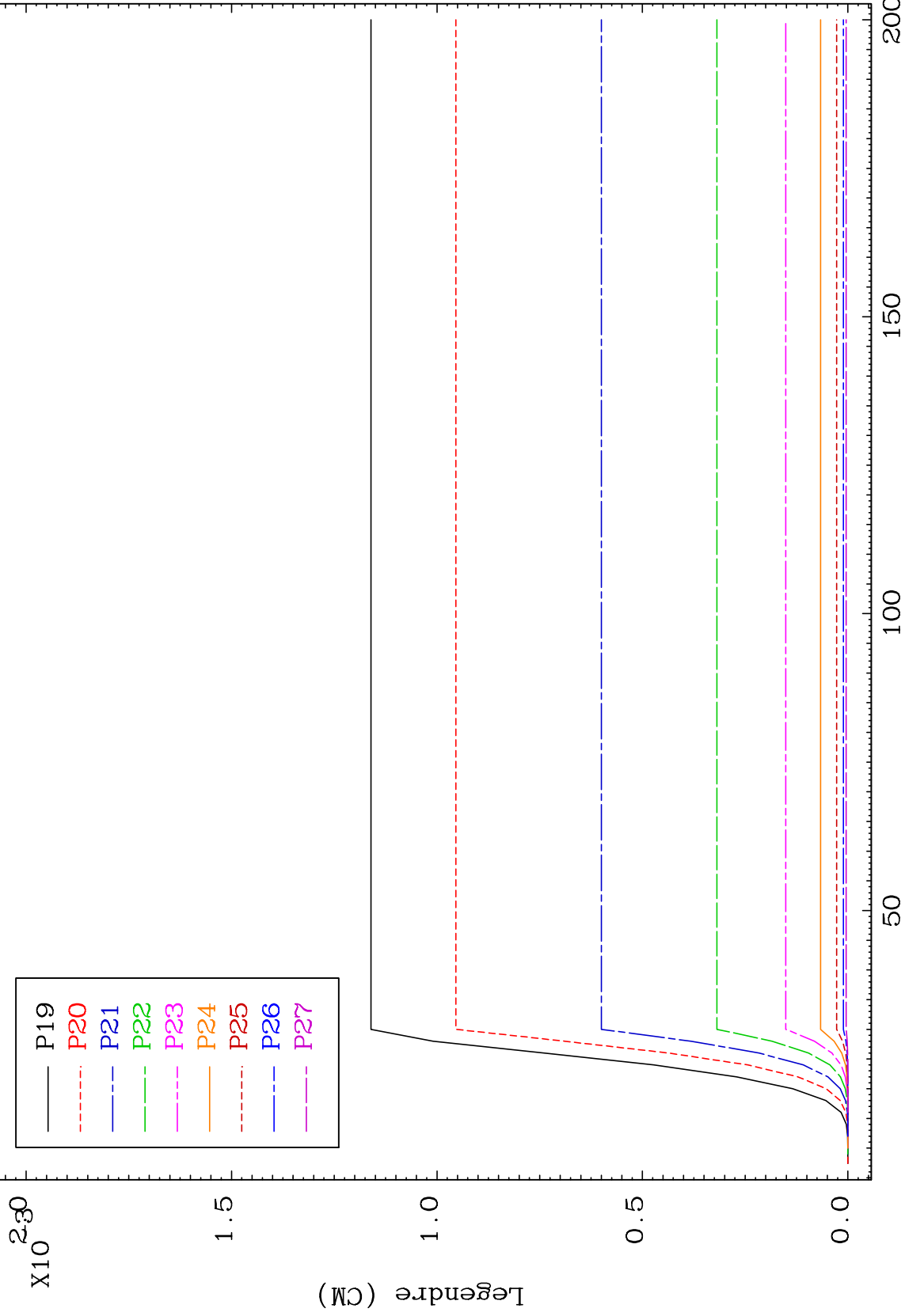
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



138

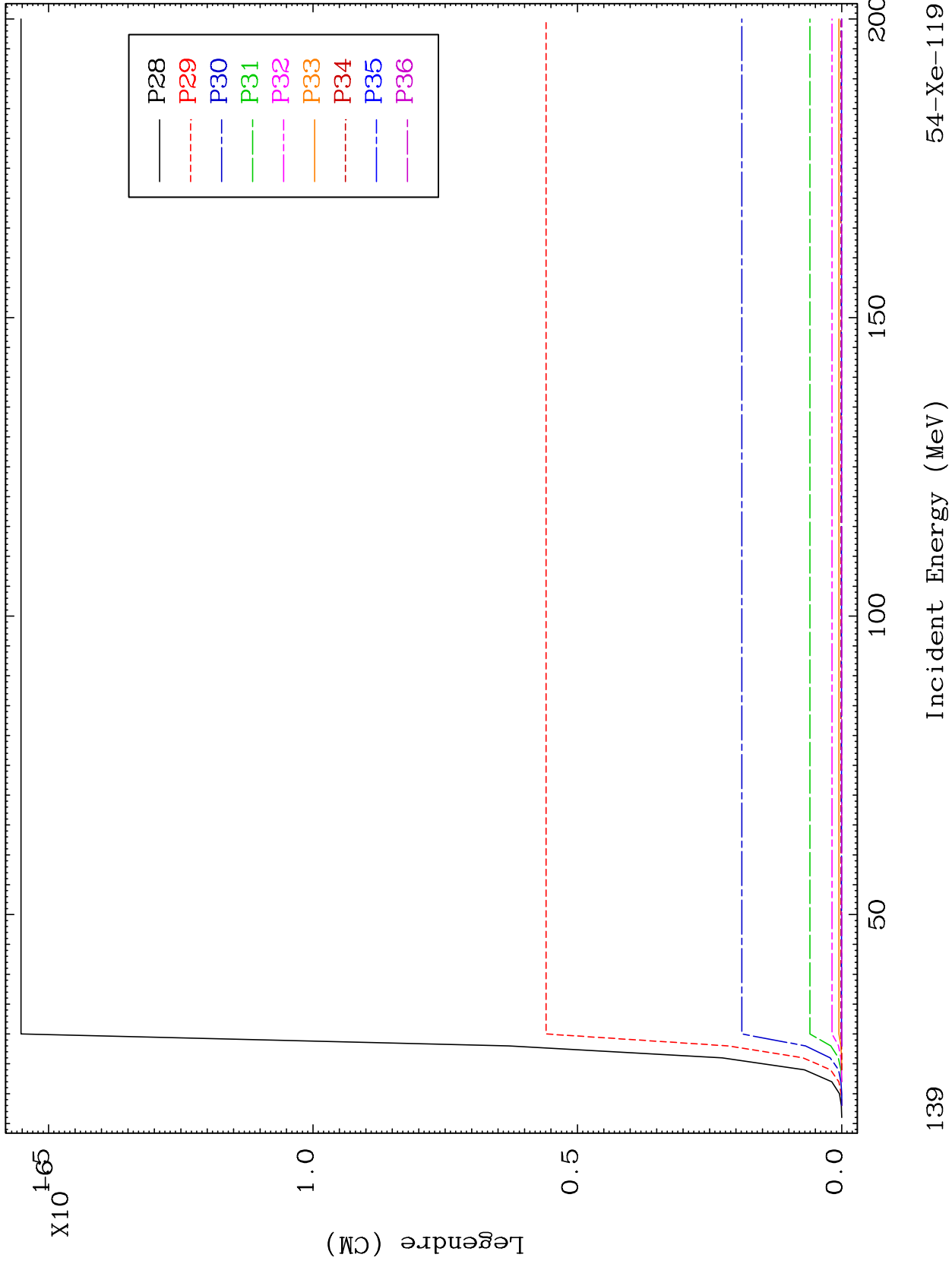
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119

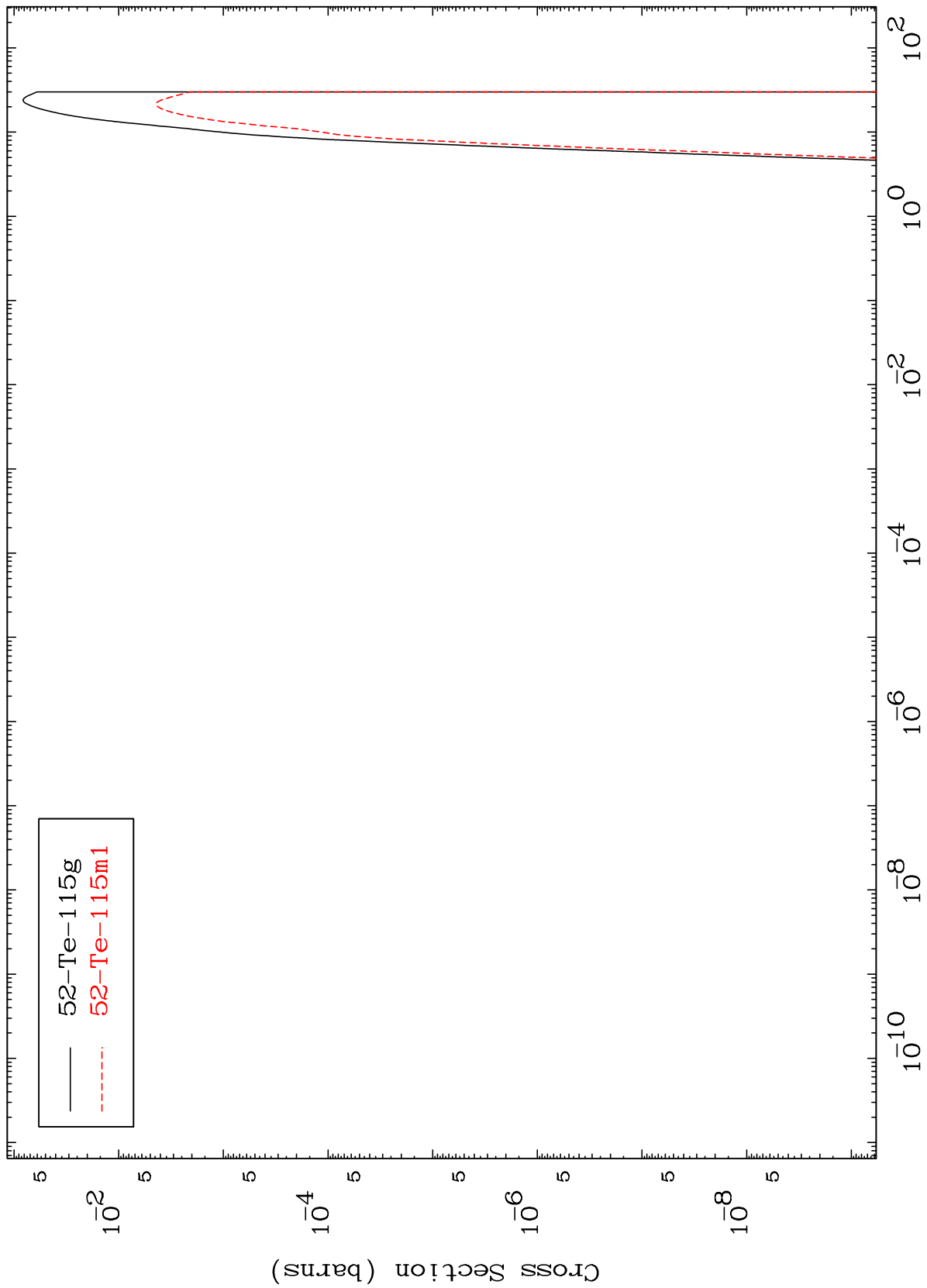


MAT 5410

$(n, n') \alpha$

54-Xe-119

Radionuclide Production Cross Section



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

140

Incident Energy (MeV)

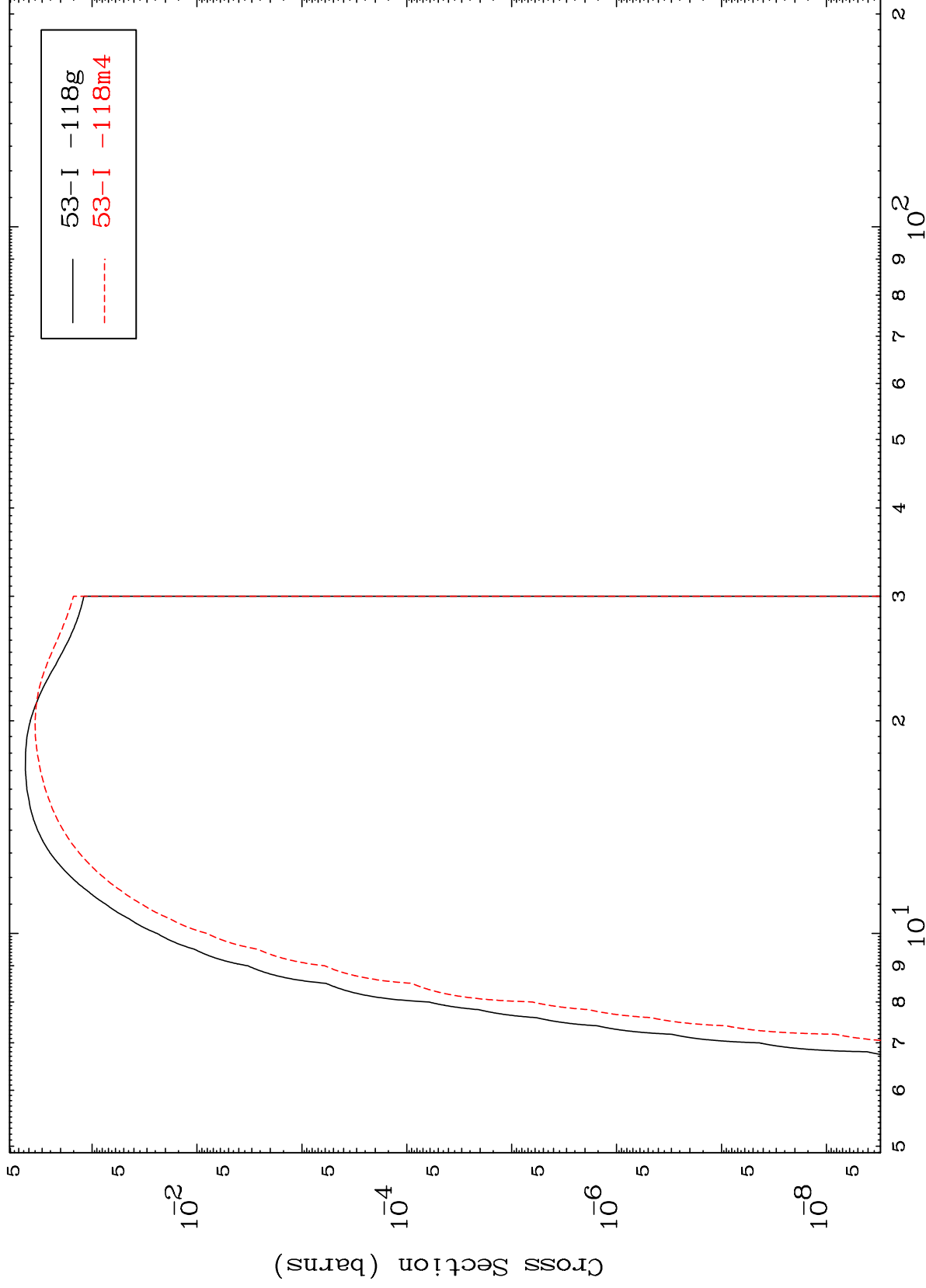
54-Xe-119

MAT 5410

(n,n') p

54-Xe-119

Radionuclide Production Cross Section



141

Incident Energy (MeV)

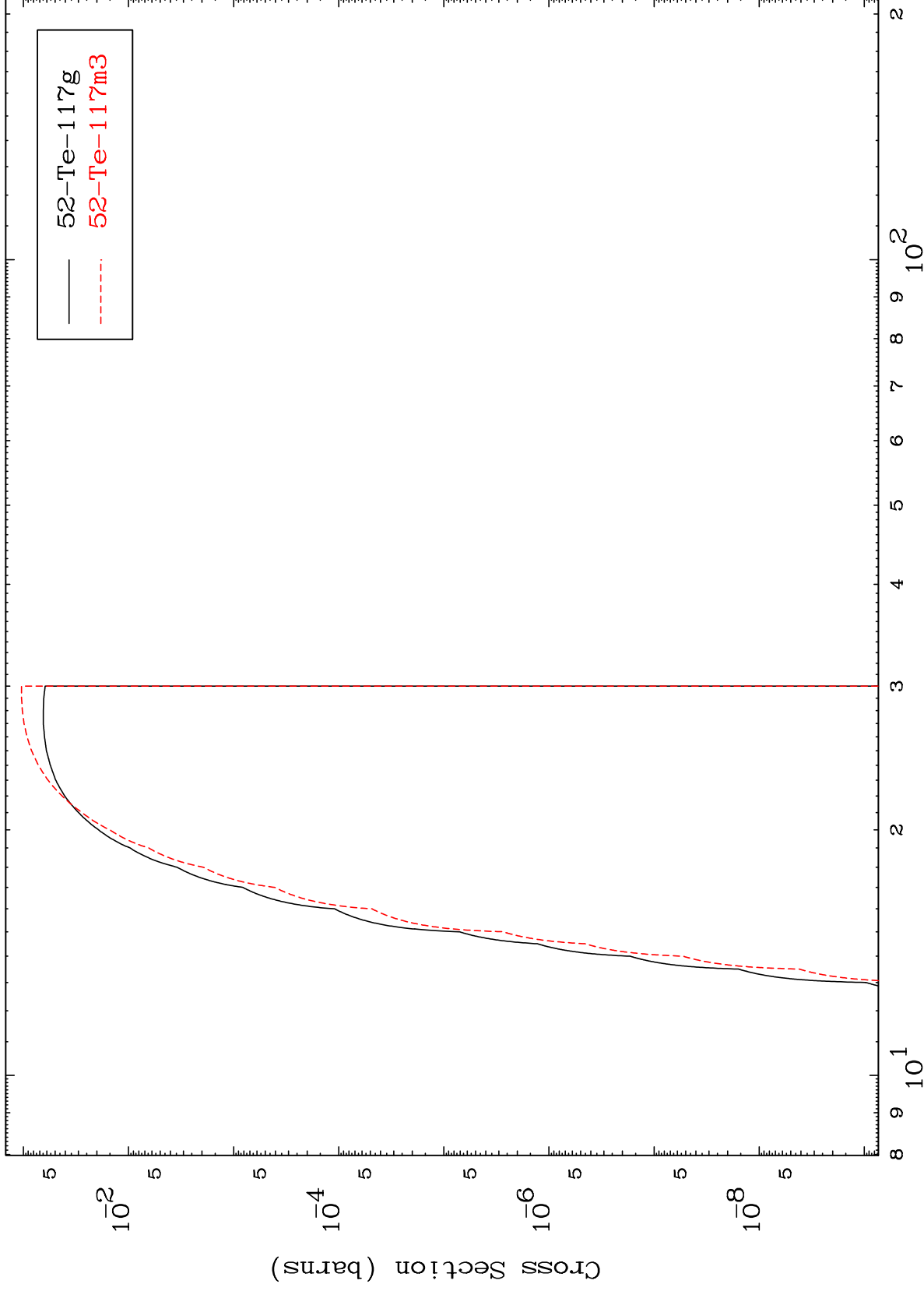
54-Xe-119

MAT 5410

(n,2n) p

54-Xe-119

Radionuclide Production Cross Section



142

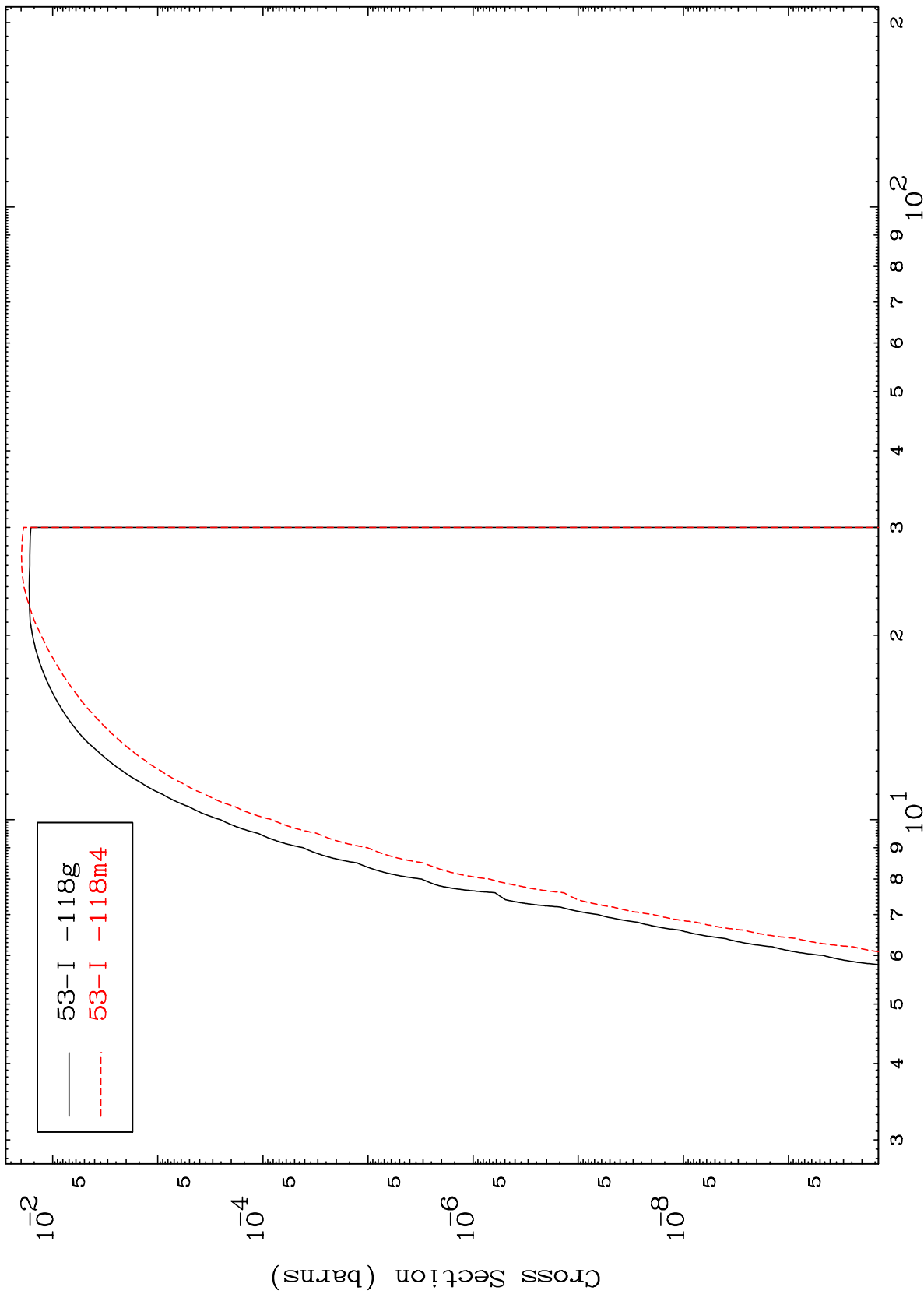
Incident Energy (MeV)

54-Xe-119

MAT 5410

54-Xe-119

(n,d)  
Radionuclide Production Cross Section



143

Incident Energy (MeV)

54-Xe-119

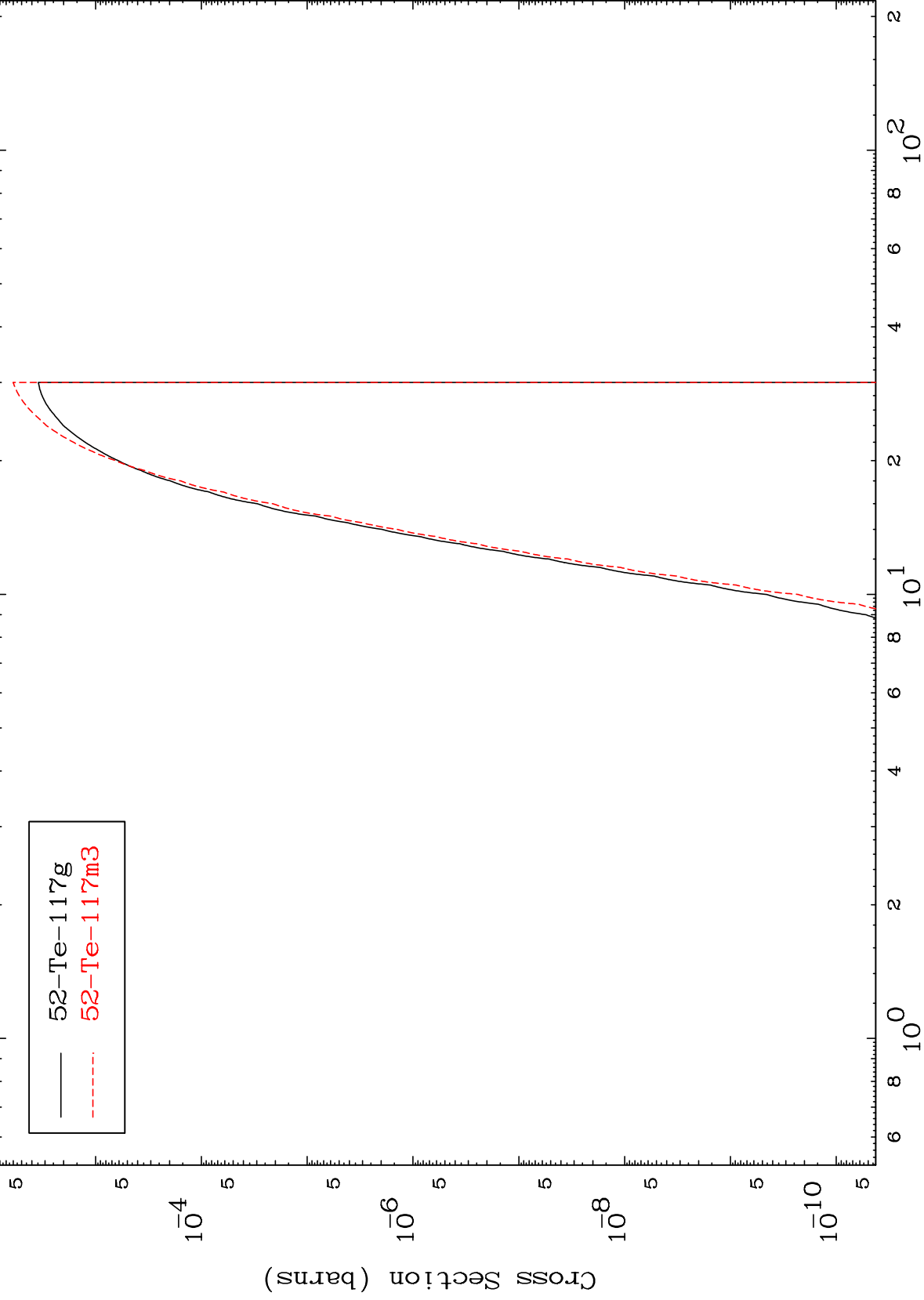


MAT 5410

(n,He-3)

54-Xe-119

Radionuclide Production Cross Section



144

Incident Energy (MeV)

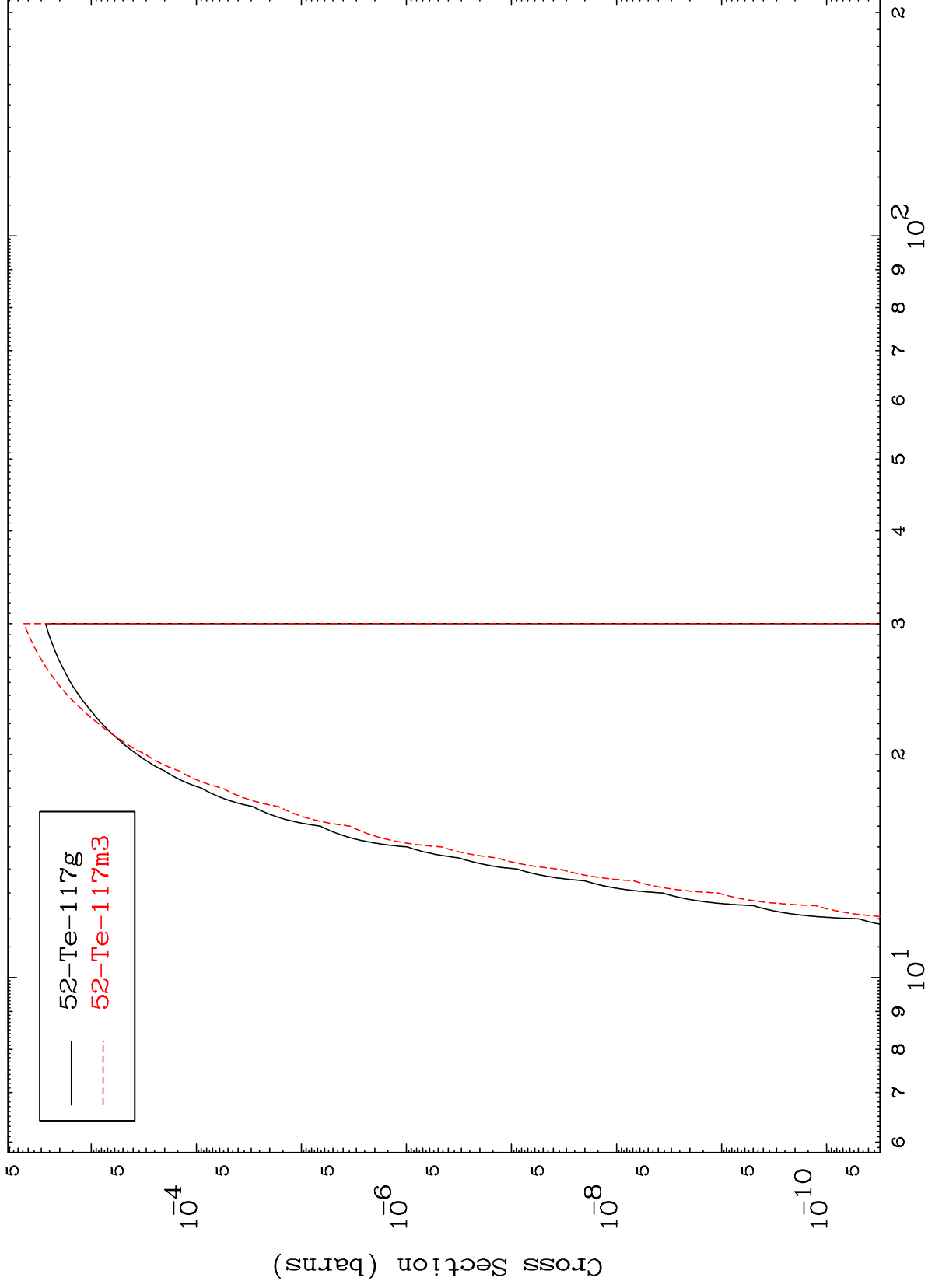
54-Xe-119

MAT 5410

(n,p) d

54-Xe-119

Radionuclide Production Cross Section



145

Incident Energy (MeV)

54-Xe-119