

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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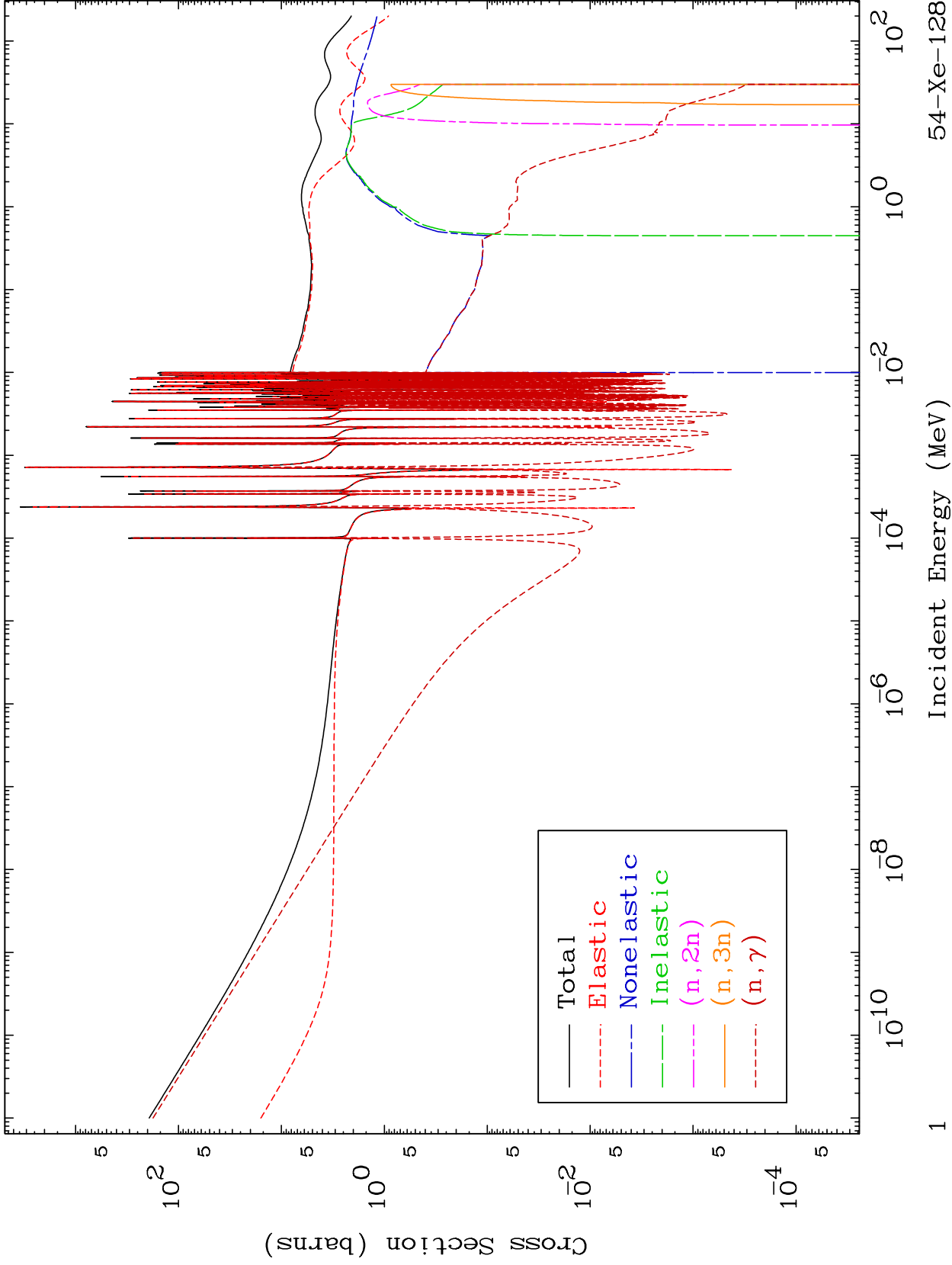
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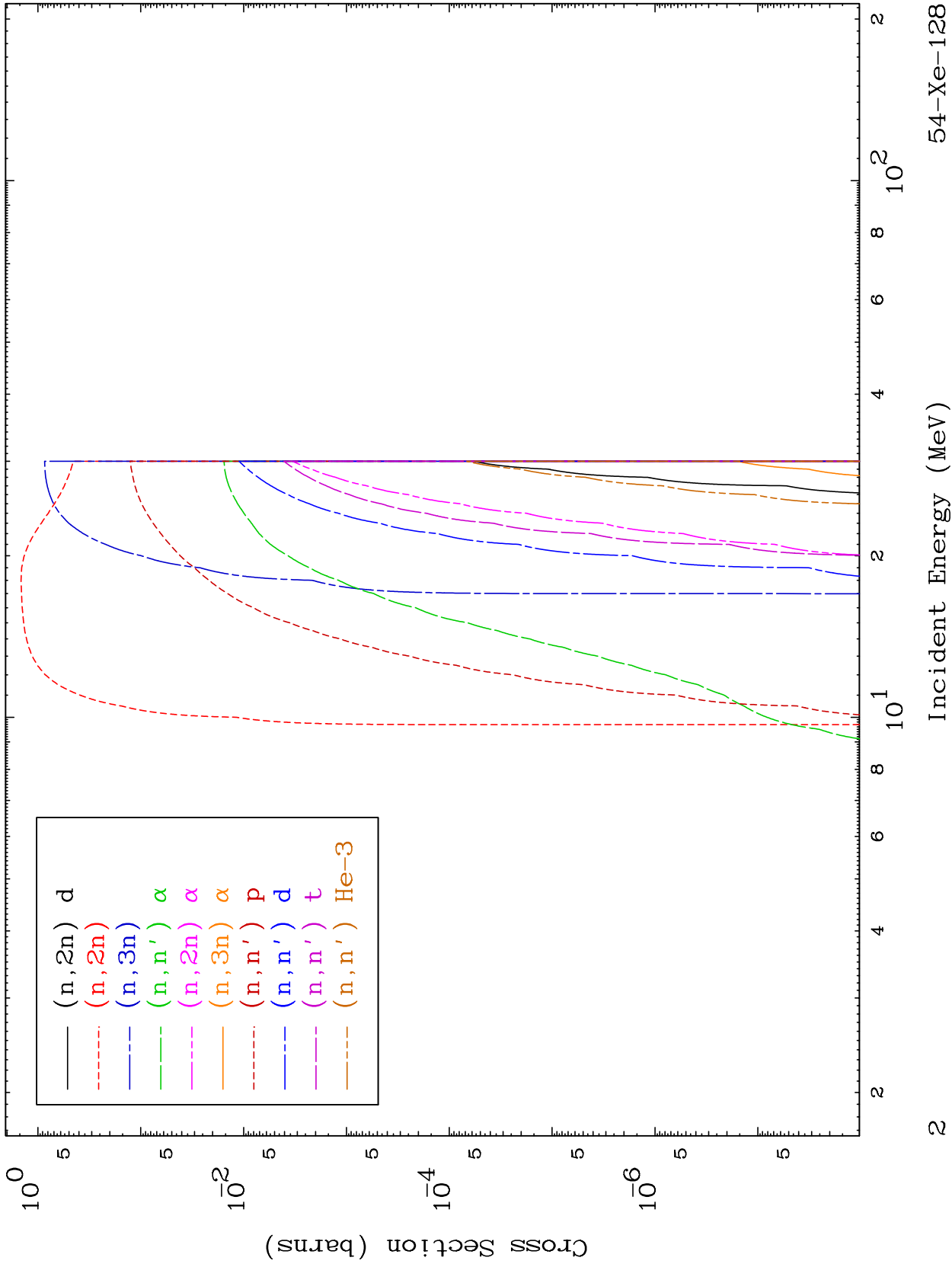
Press Mouse Button to Start

MAT 5437

Neutron Major  
293 Kelvin Cross Sections

54-Xe-128

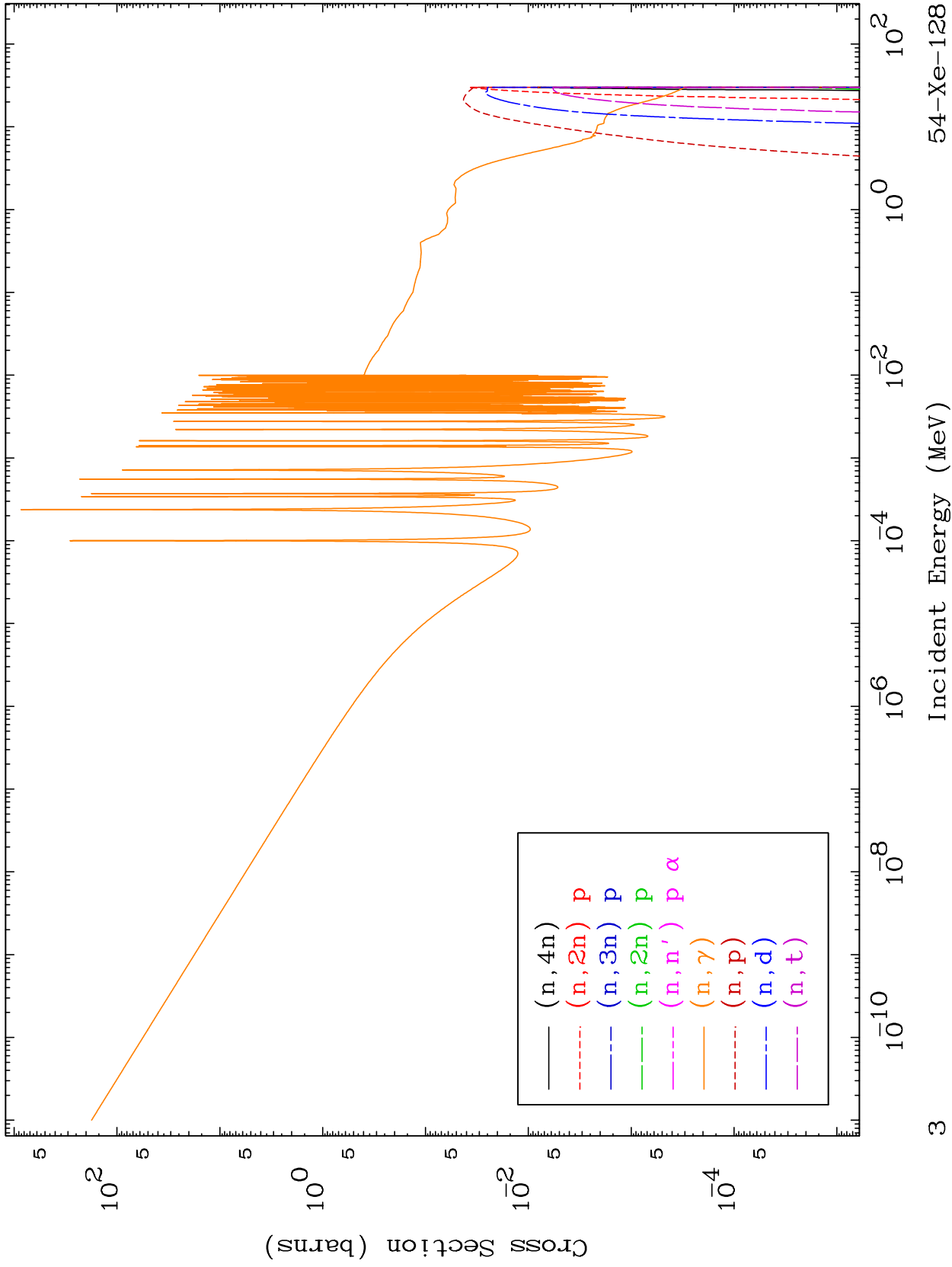




MAT 5437

Neutron Absorption  
293 Kelvin Cross Sections

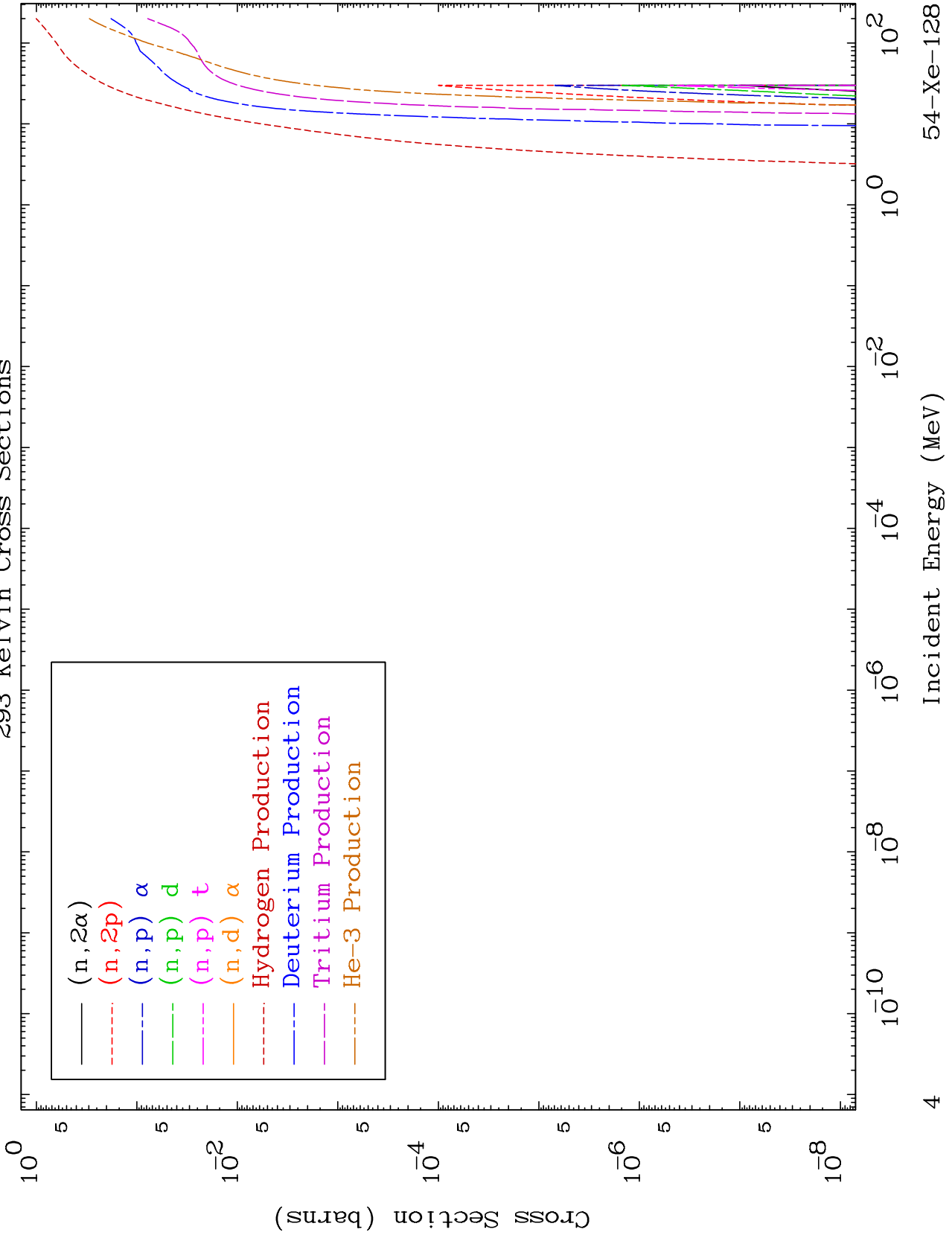
54-Xe-128

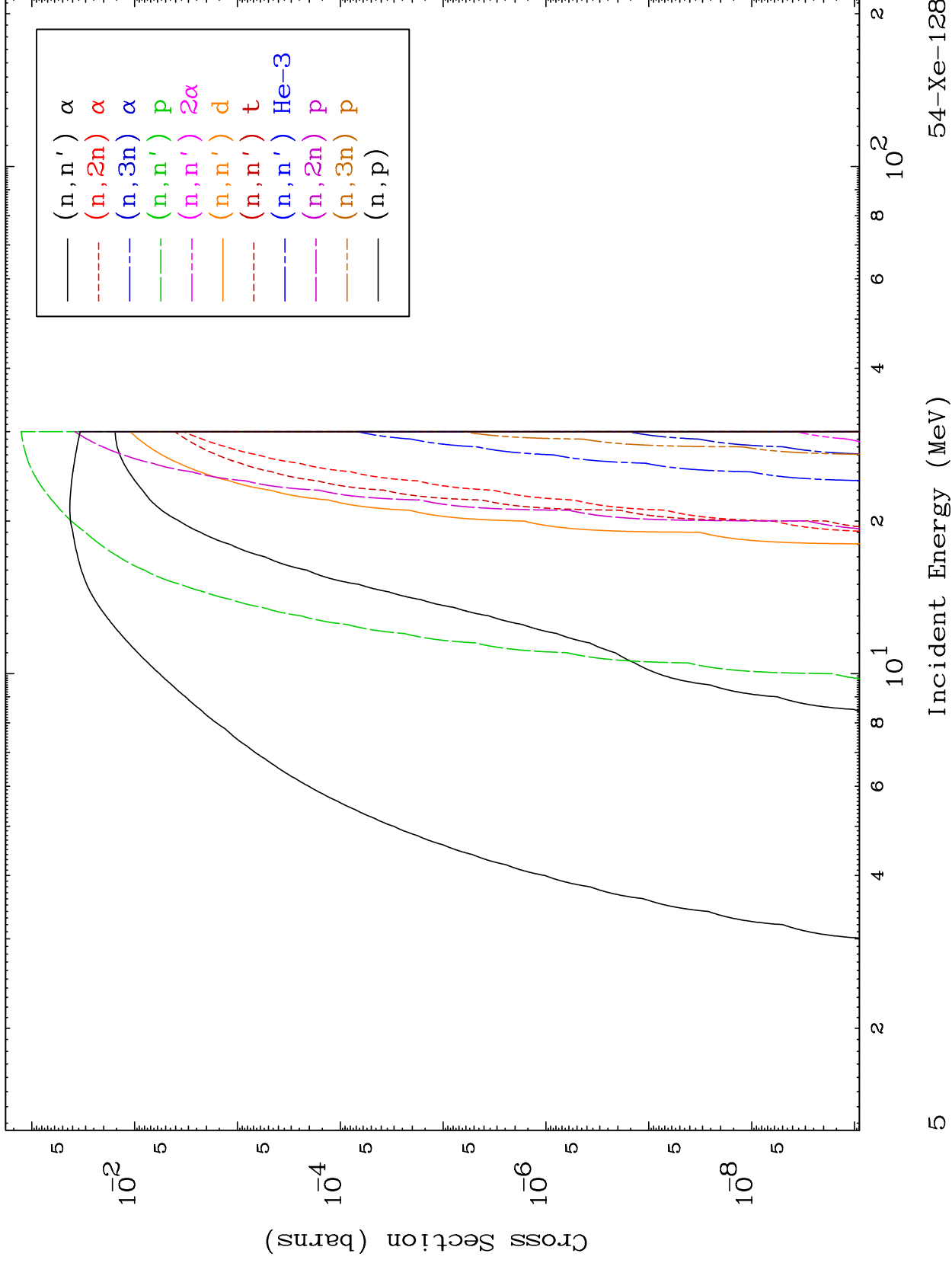


MAT 5437

Neutron Absorption  
293 Kelvin Cross Sections

54-Xe-128

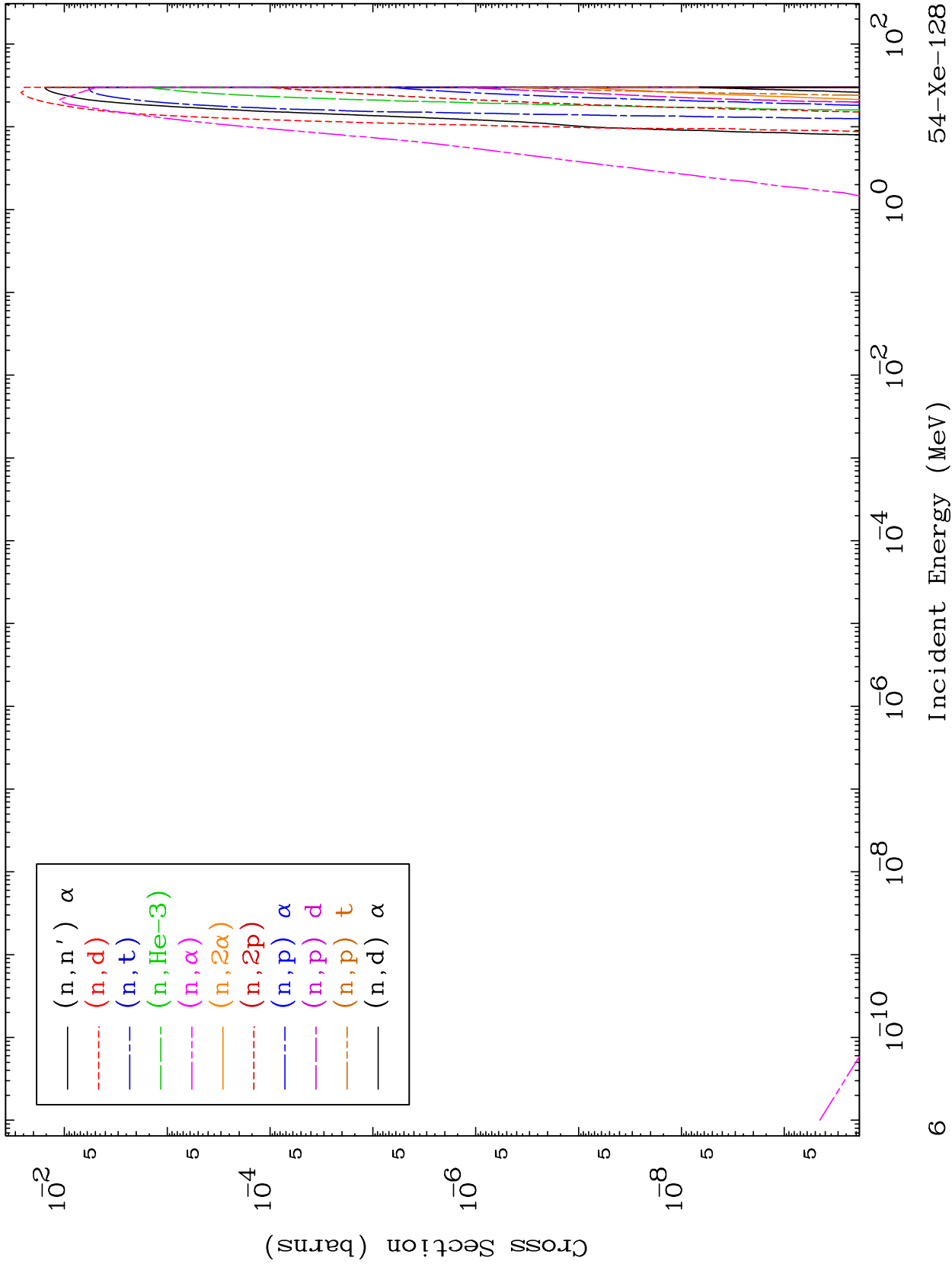




MAT 5437

Charged Particle  
293 Kelvin Cross Sections

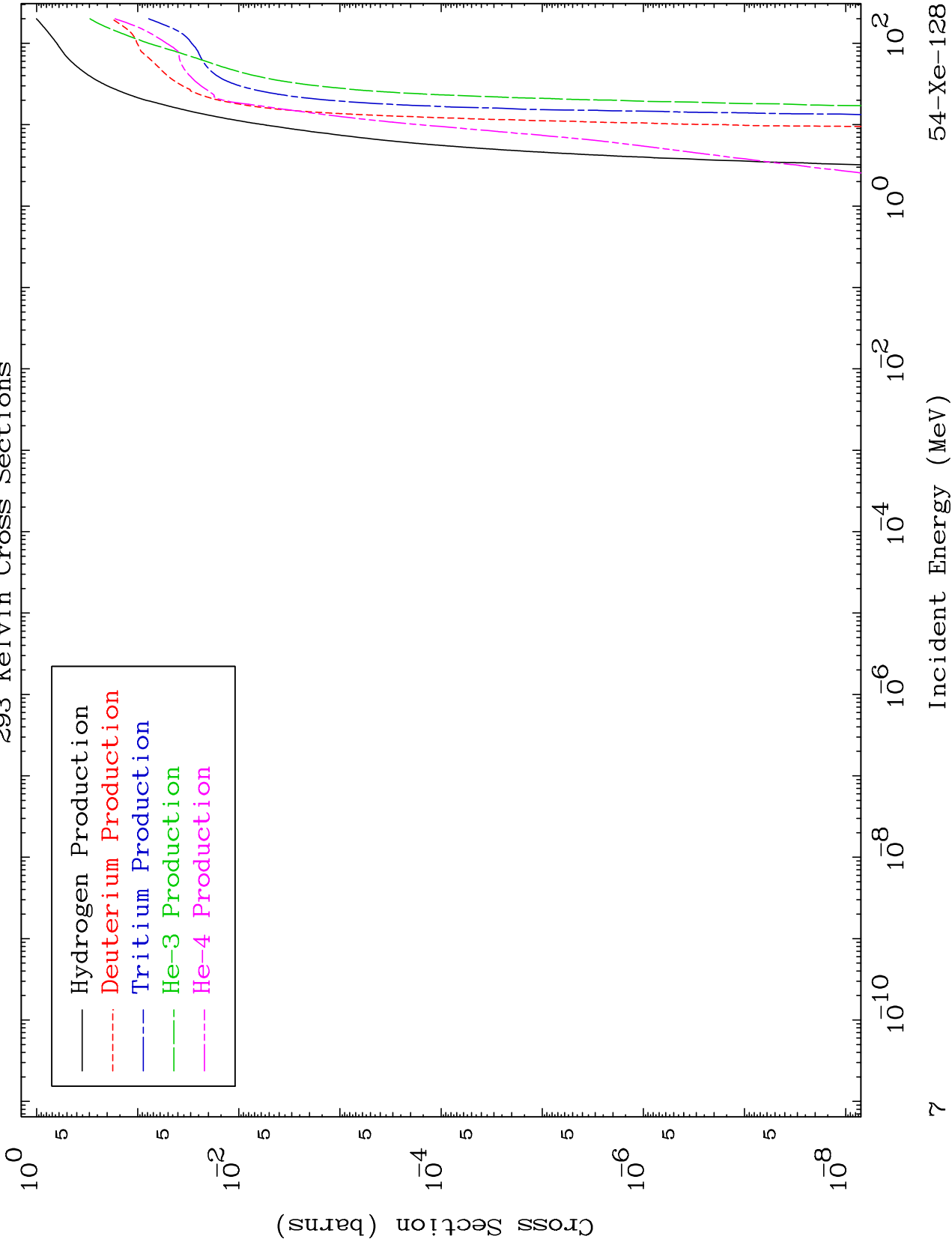
54-Xe-128



MAT 5437

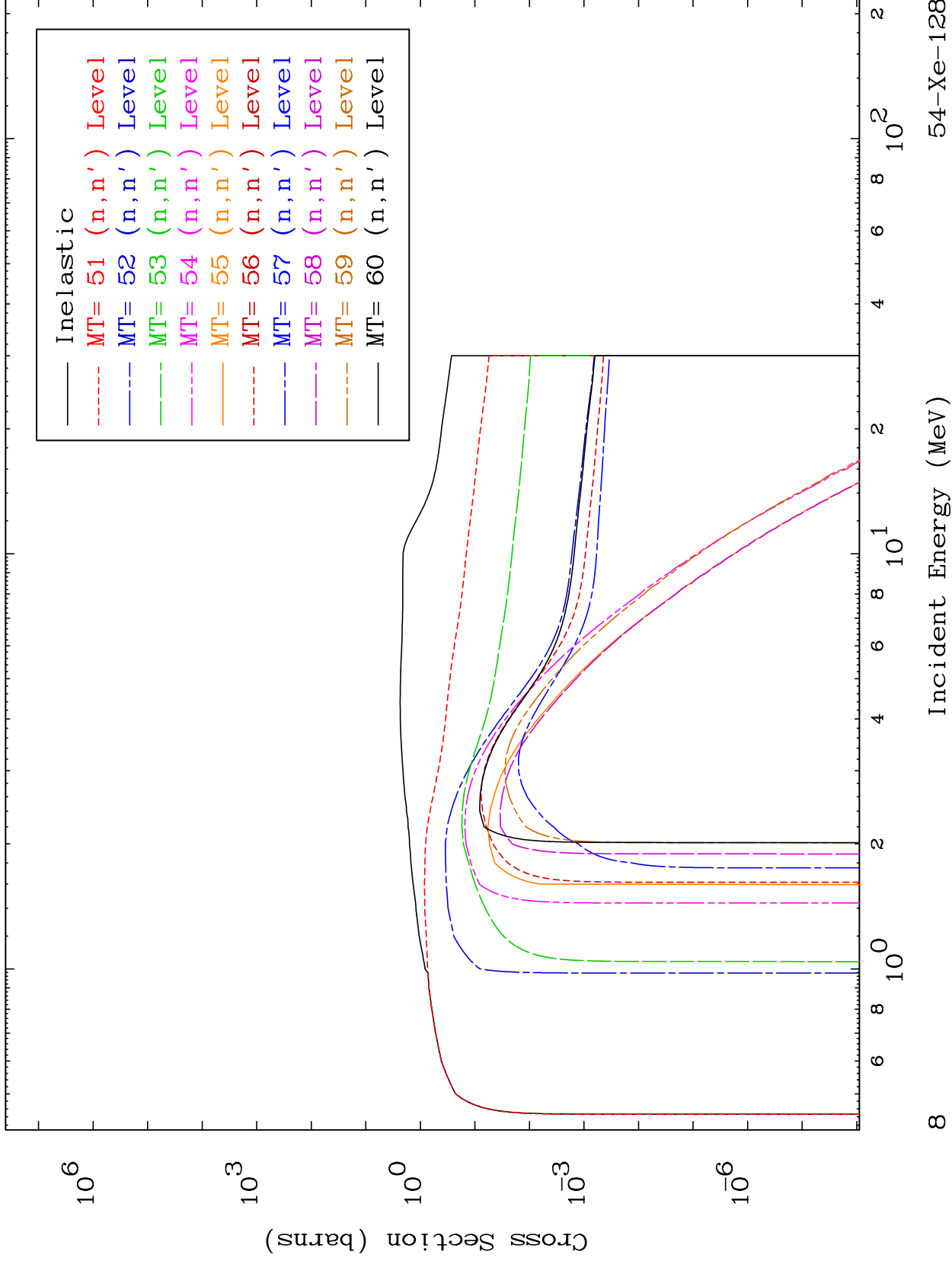
Particle Production  
293 Kelvin Cross Sections

54-Xe-128

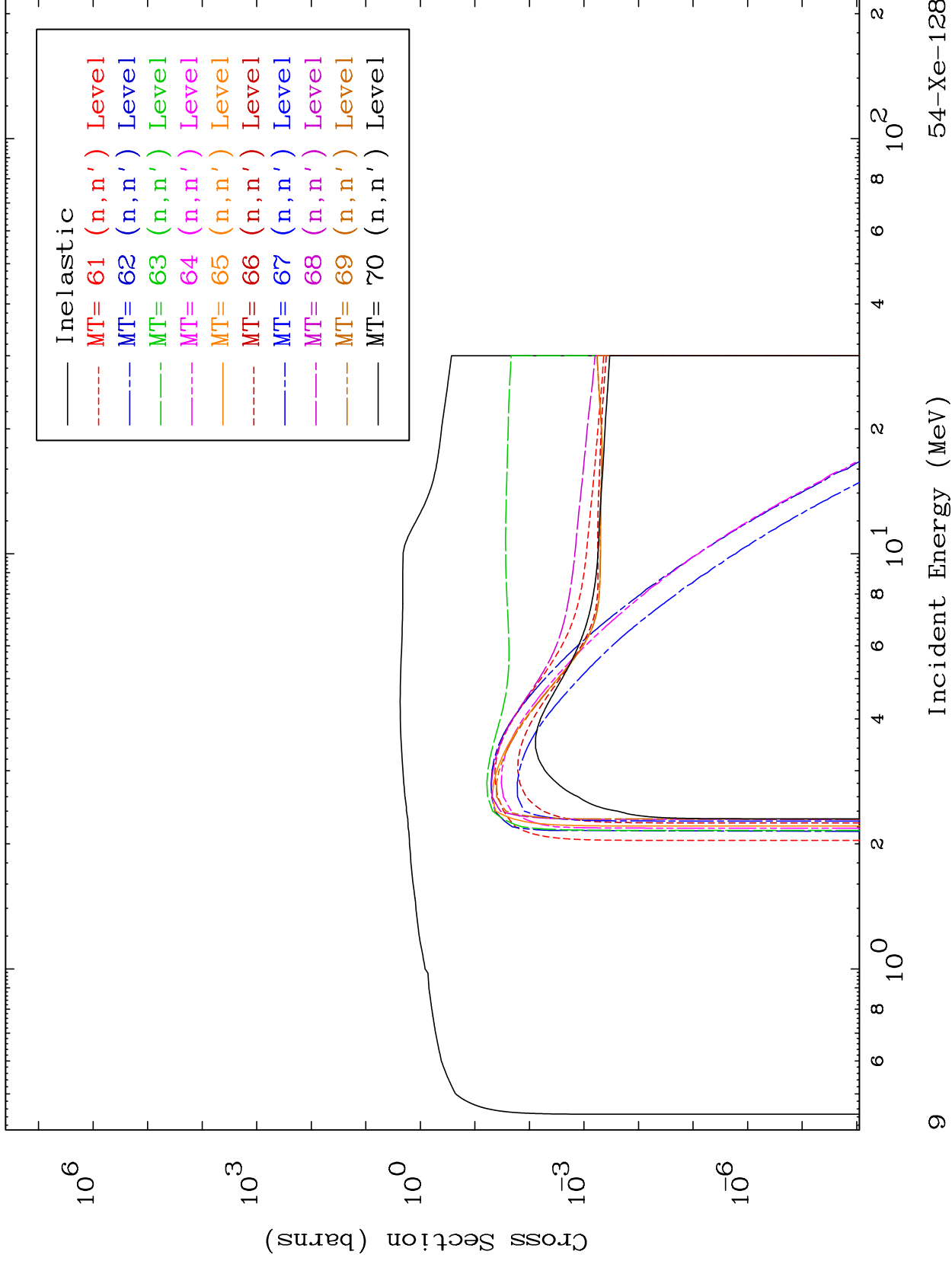




293 Kelvin Cross Sections



293 Kelvin Cross Sections

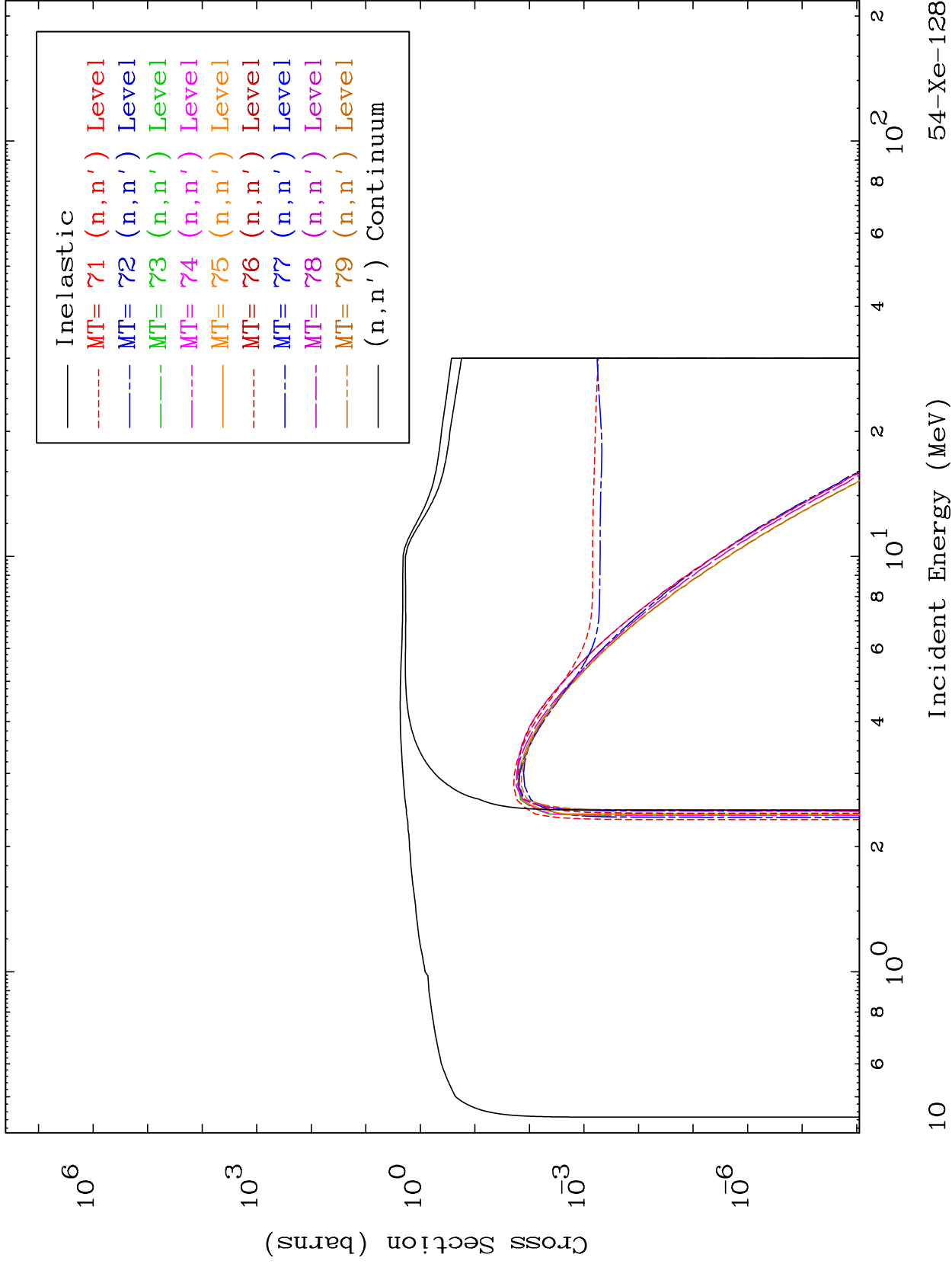


MAT 5437

(n,n') Levels

54-Xe-128

293 Kelvin Cross Sections



10

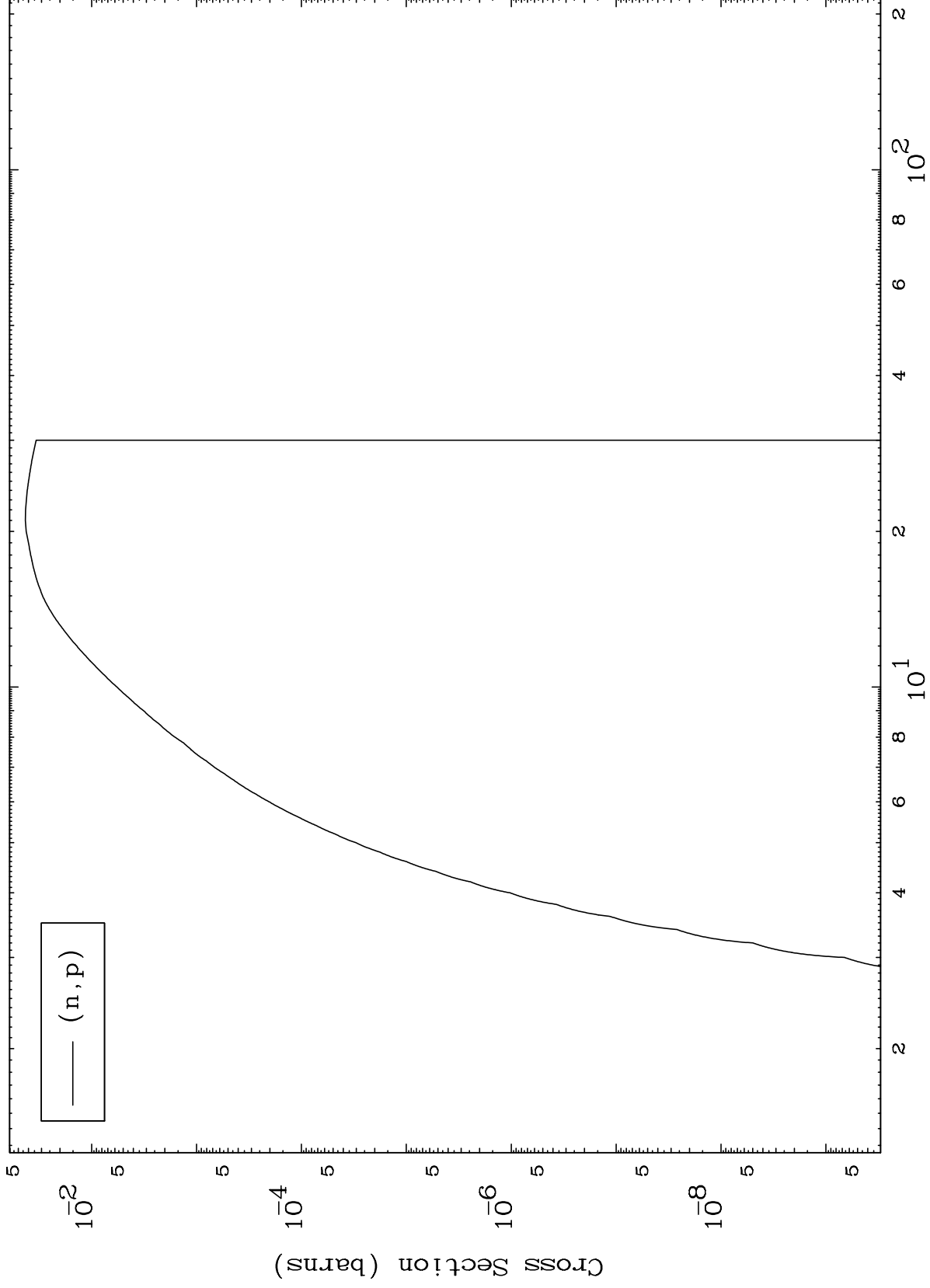
Incident Energy (MeV)

54-Xe-128

MAT 5437

(n,p) Levels  
293 Kelvin Cross Sections

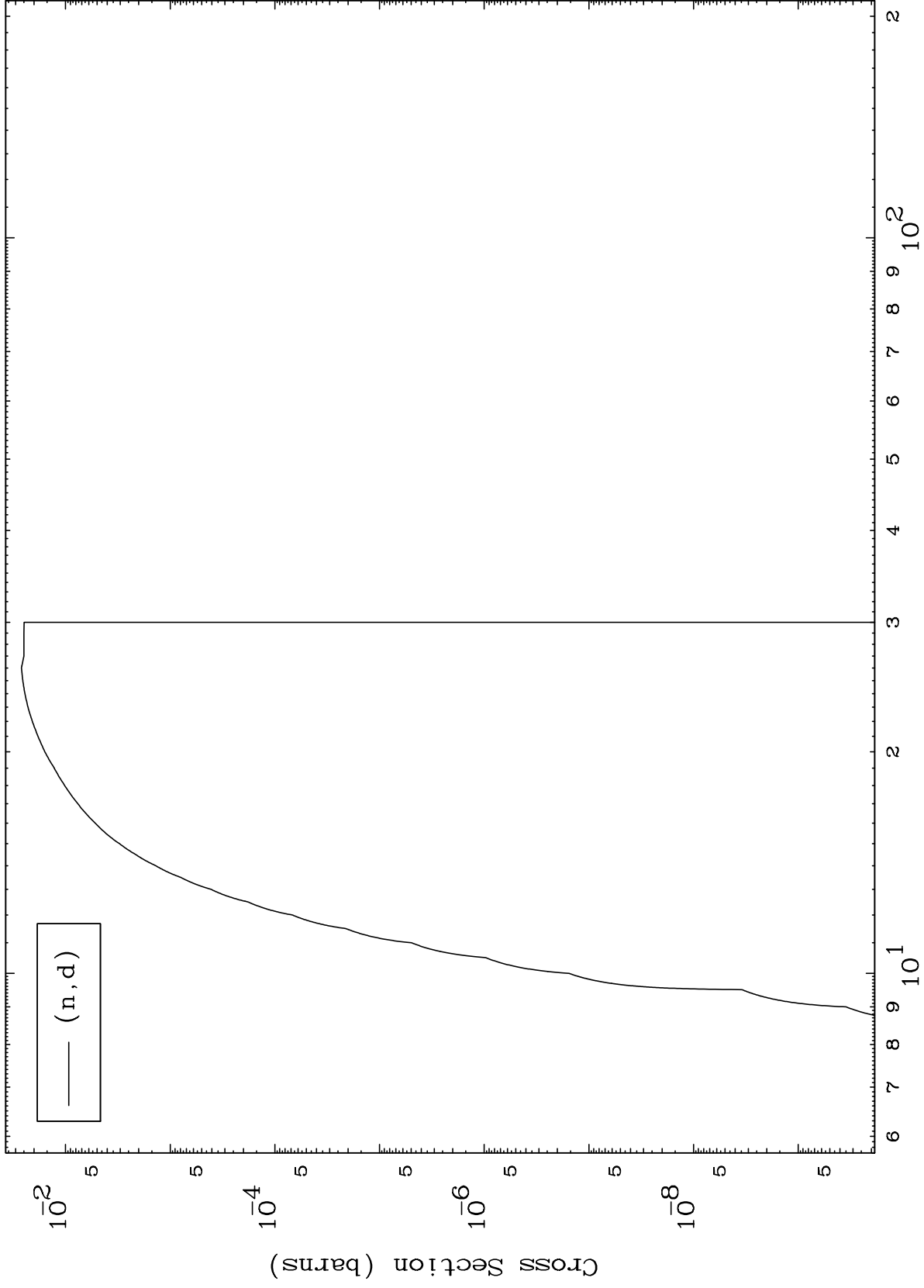
54-Xe-128



MAT 5437

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-128



12

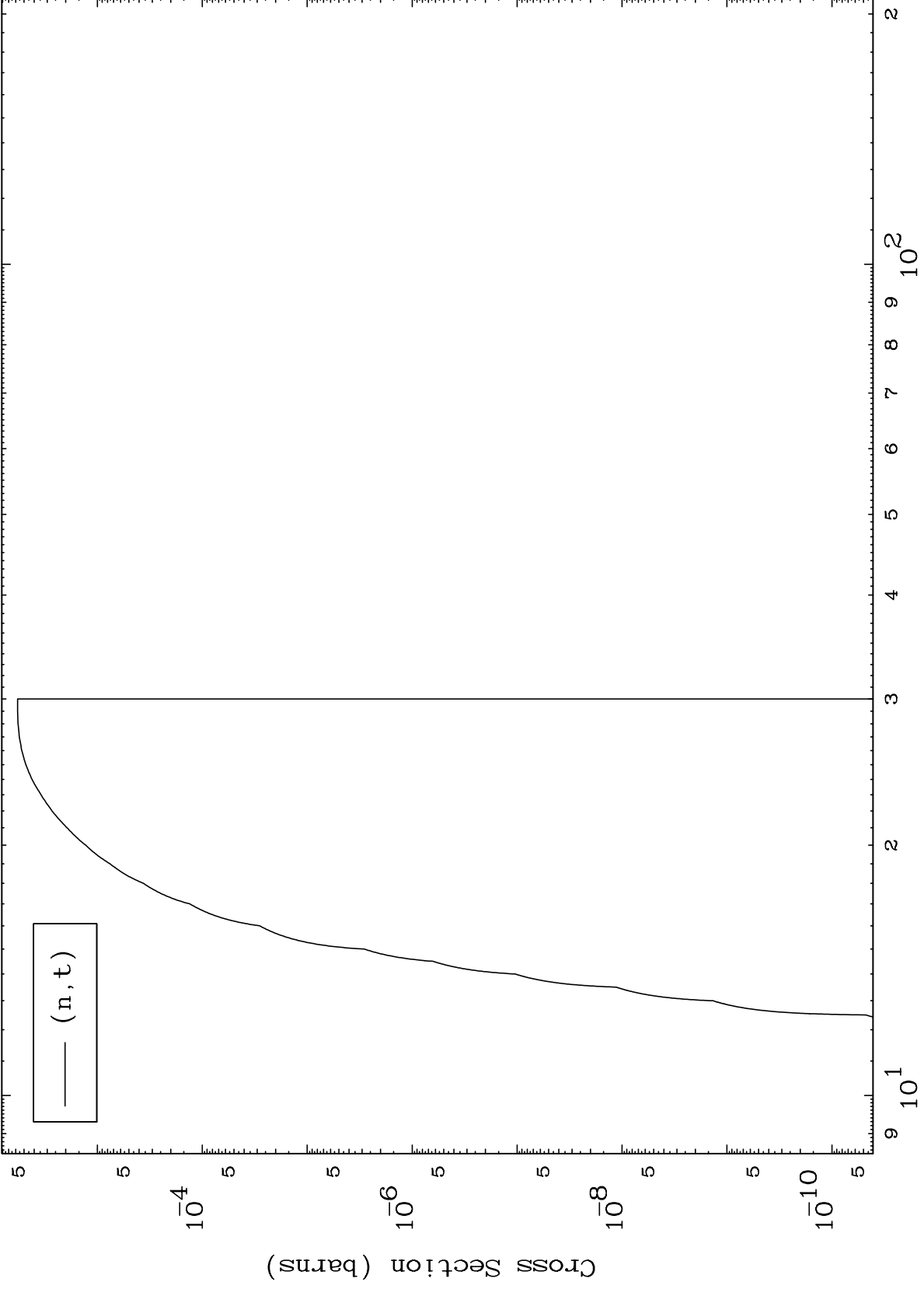
Incident Energy (MeV)

54-Xe-128

MAT 5437

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-128



13

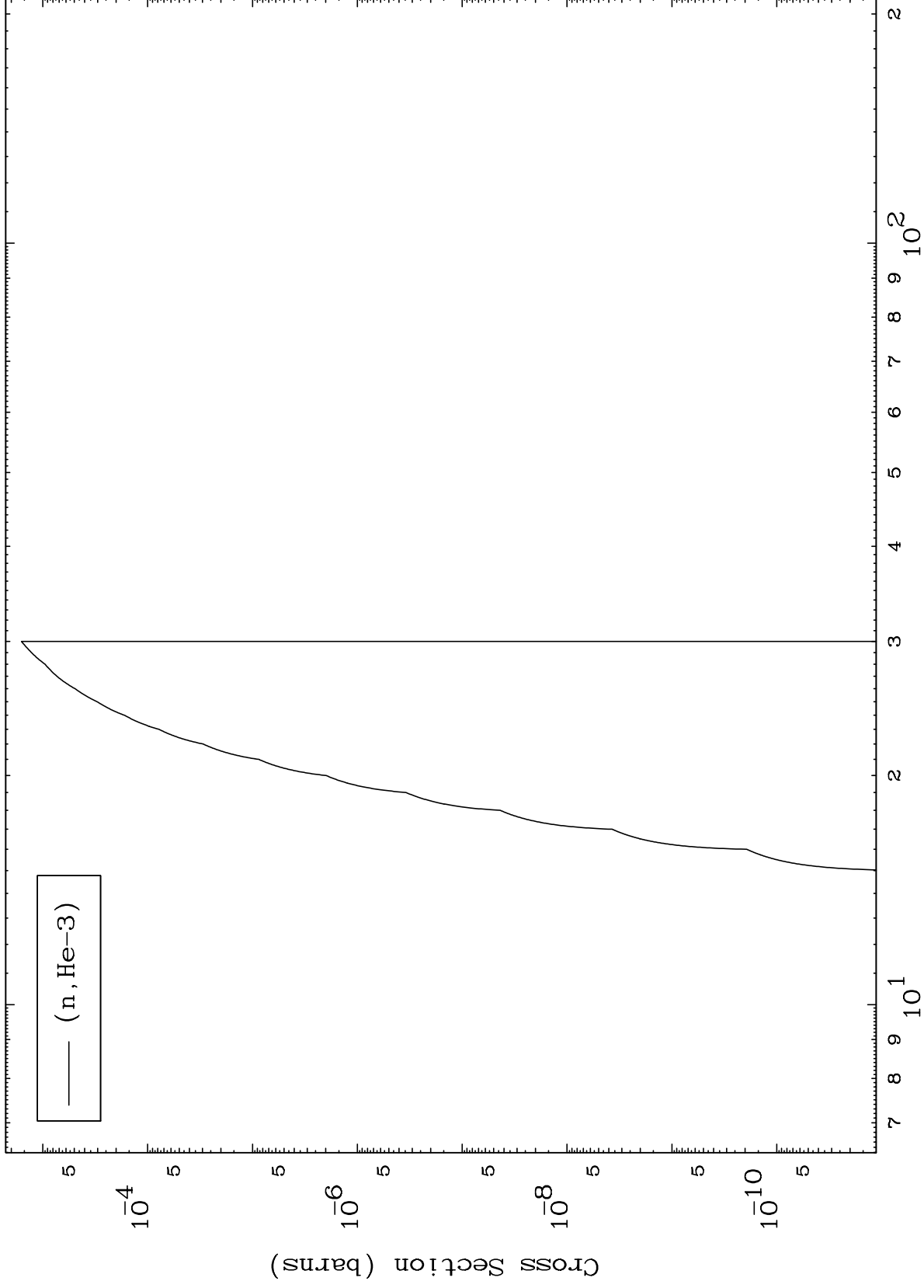
Incident Energy (MeV)

54-Xe-128

MAT 5437

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-128



14

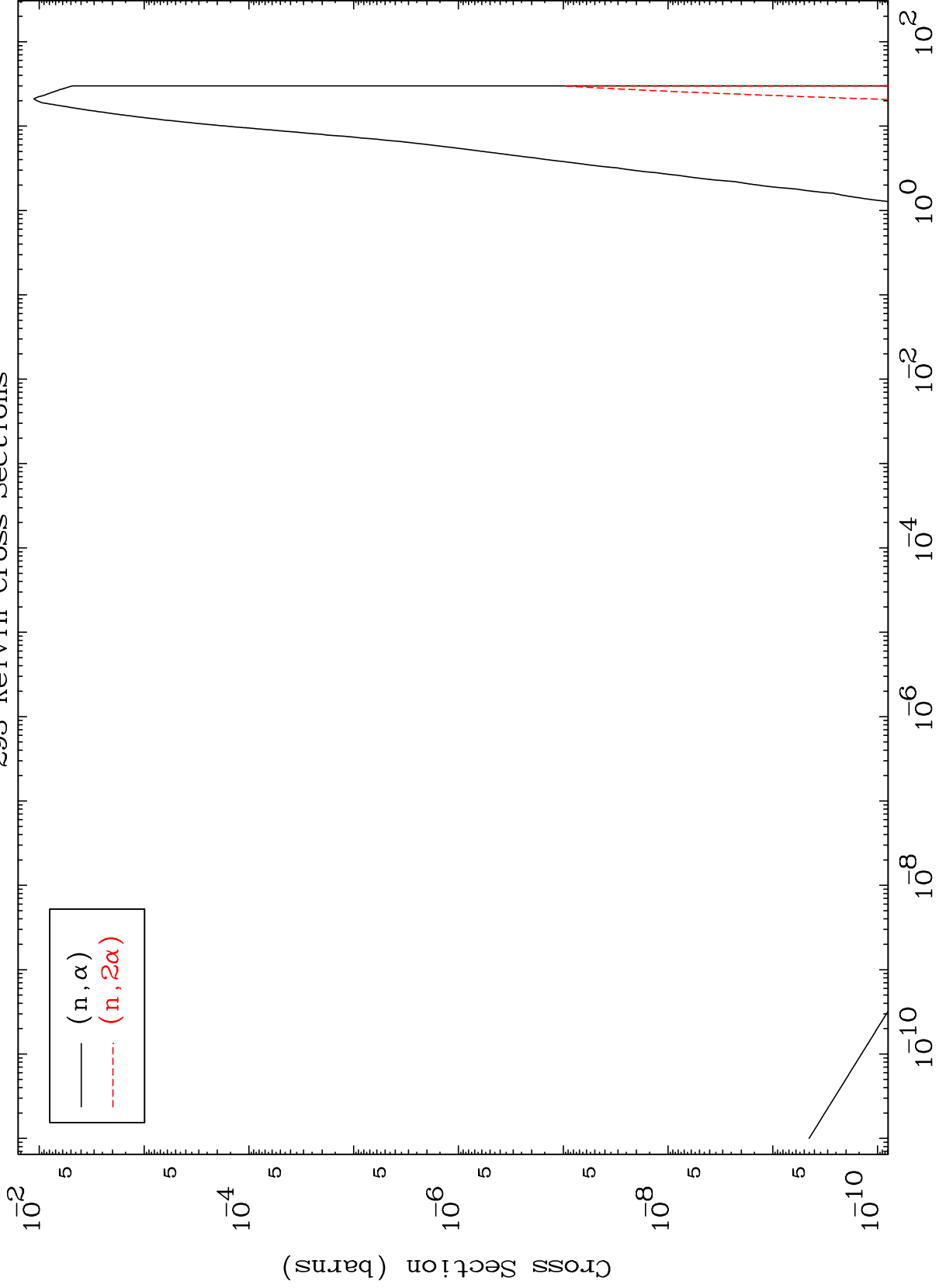
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



15

Incident Energy (MeV)

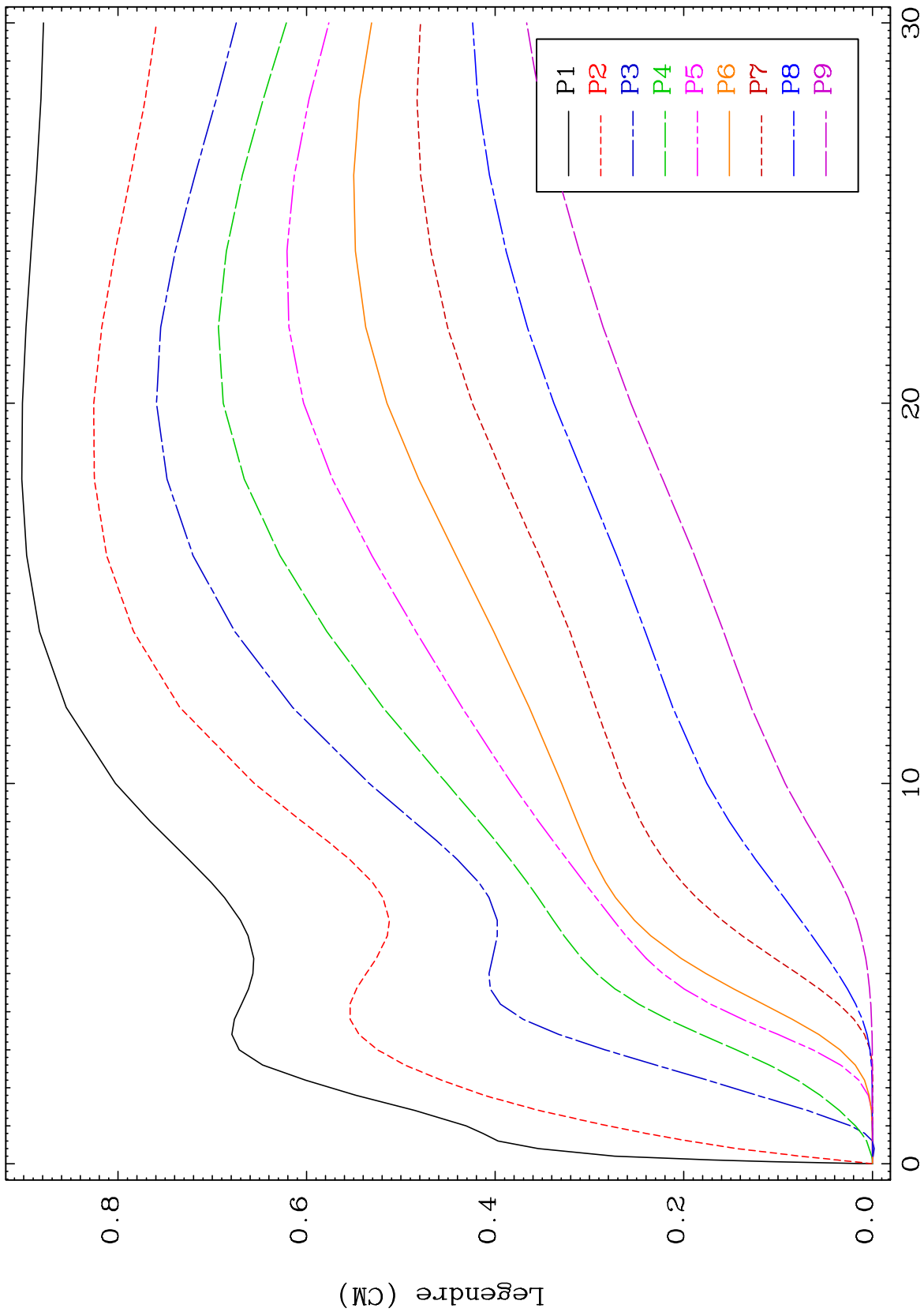
54-Xe-128



MAT 5437

54-Xe-128

Elastic Legendre Coefficients



54-Xe-128

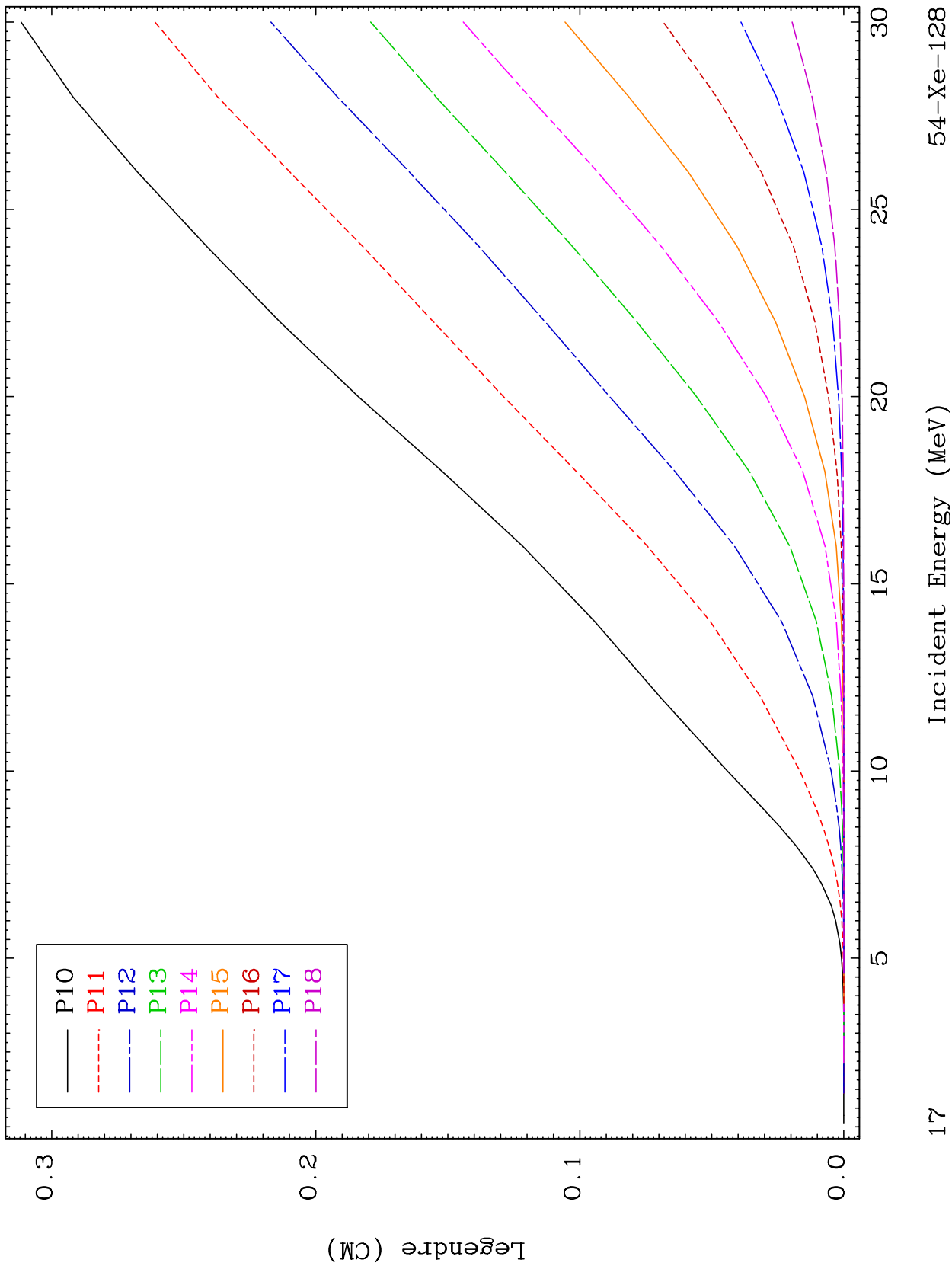
Incident Energy (MeV)

16

MAT 5437

Elastic Legendre Coefficients

54-Xe-128



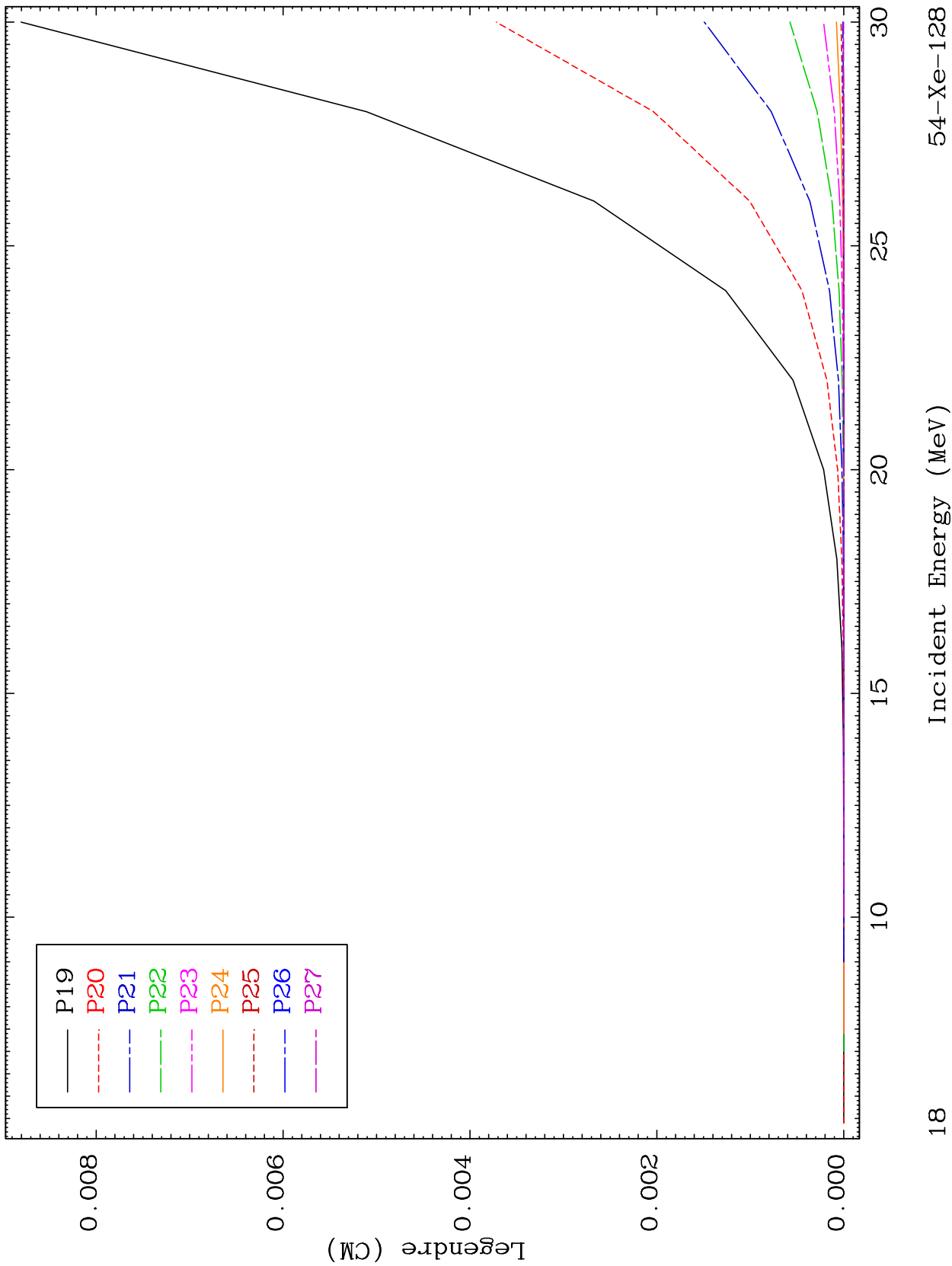
17

54-Xe-128

MAT 5437

### Elastic Legendre Coefficients

54-Xe-128



18

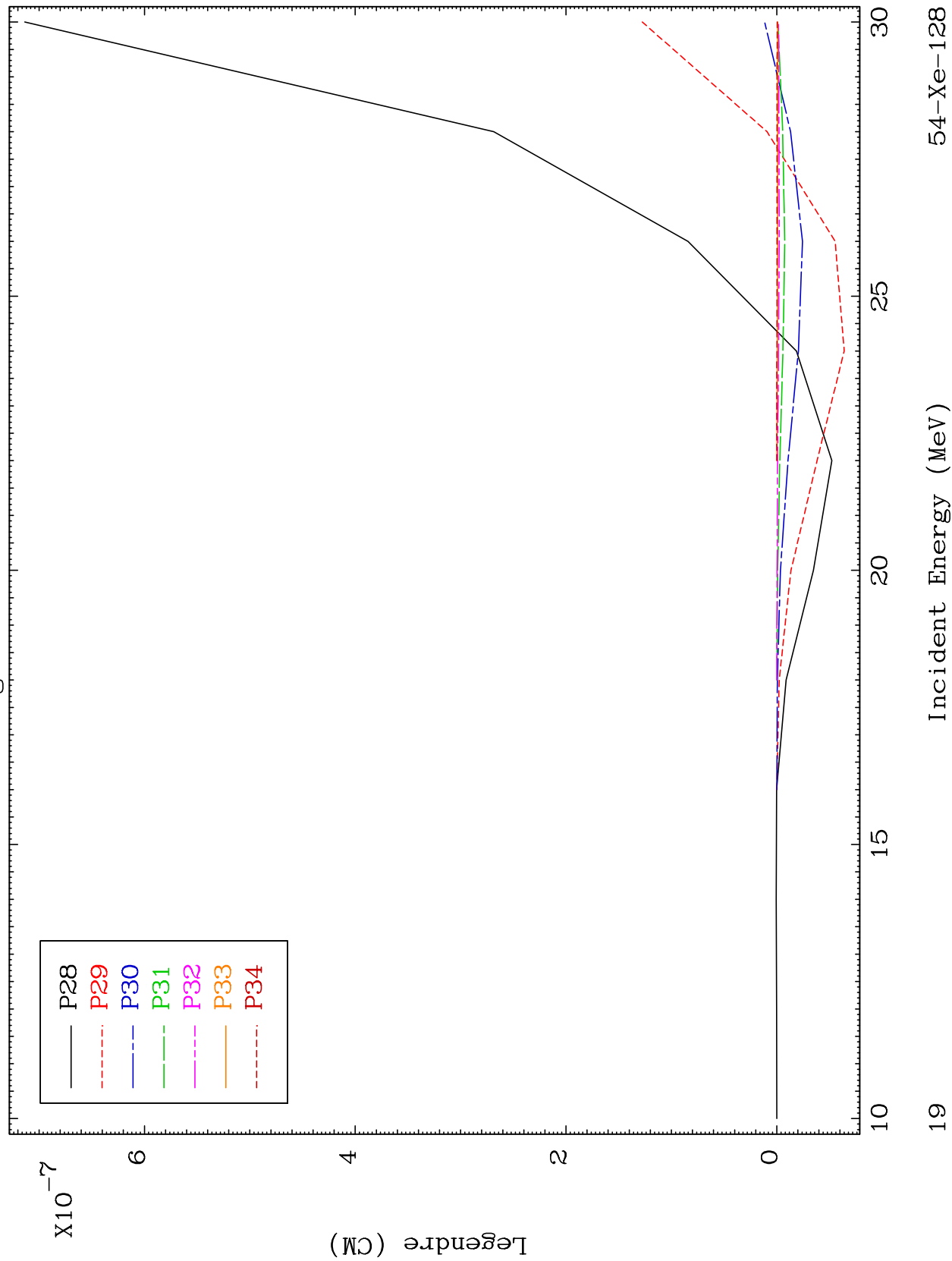
Incident Energy (MeV)

54-Xe-128

MAT 5437

Elastic  
Legendre Coefficients

54-Xe-128

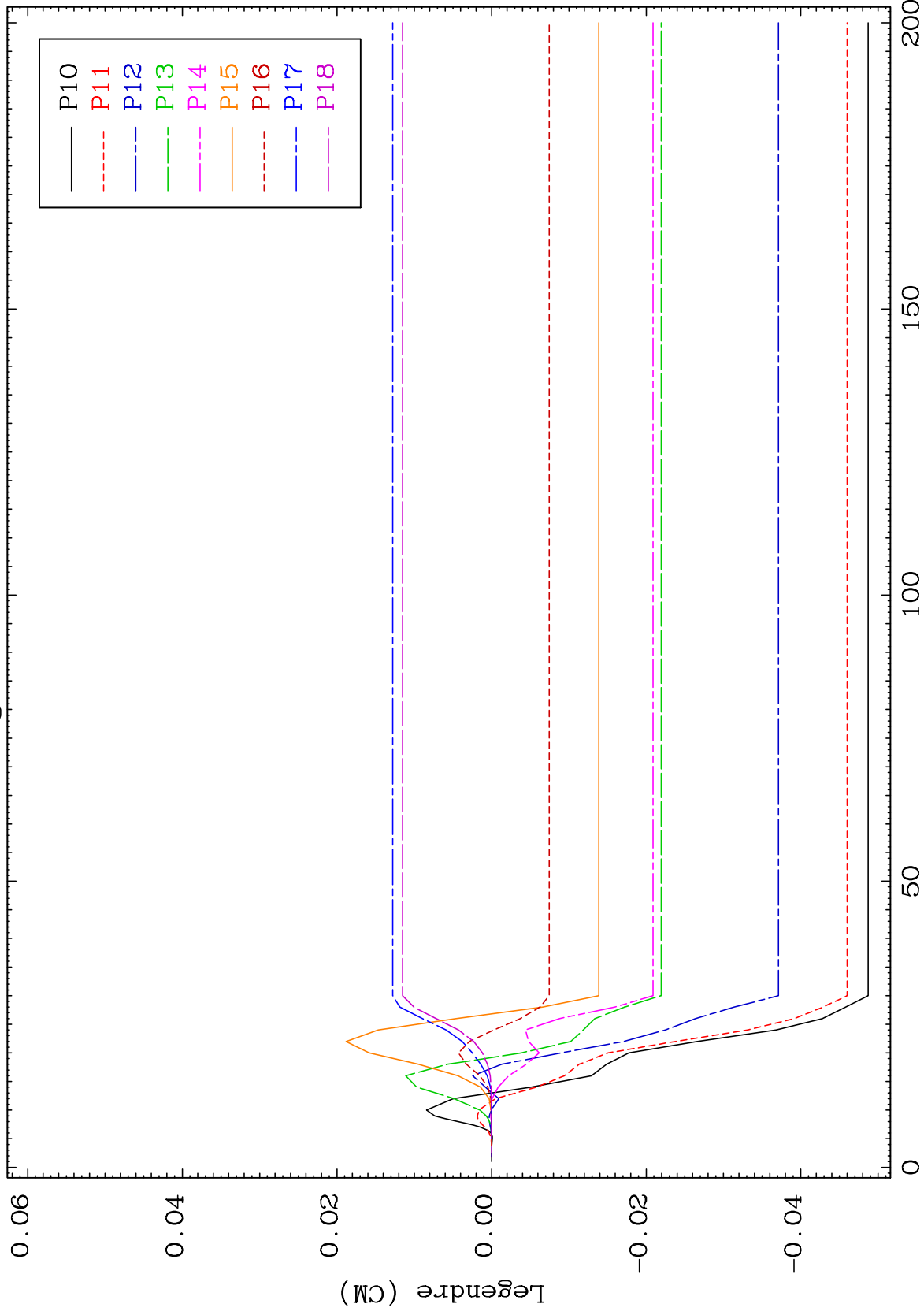




MAT 5437

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

54-Xe-128



21

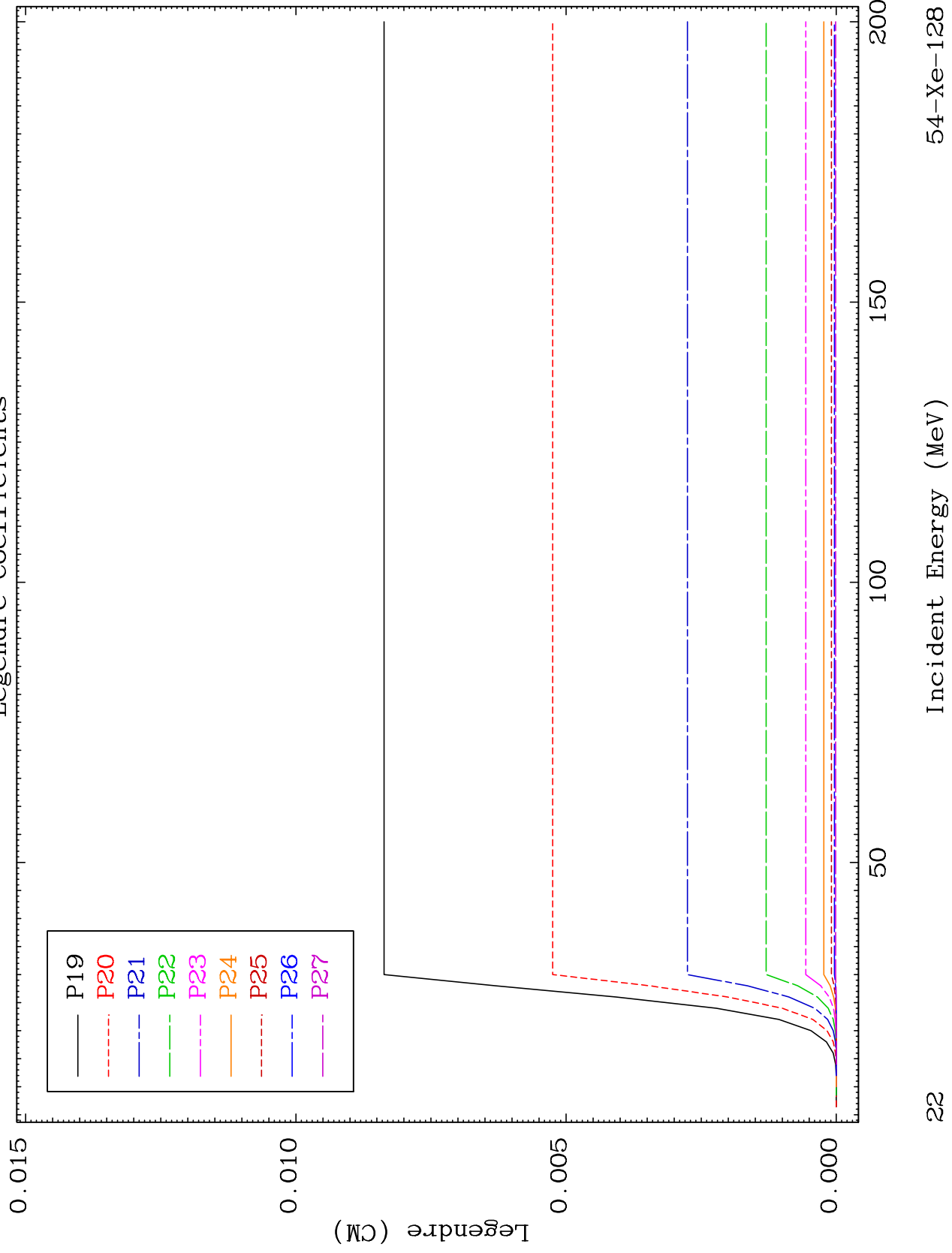
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



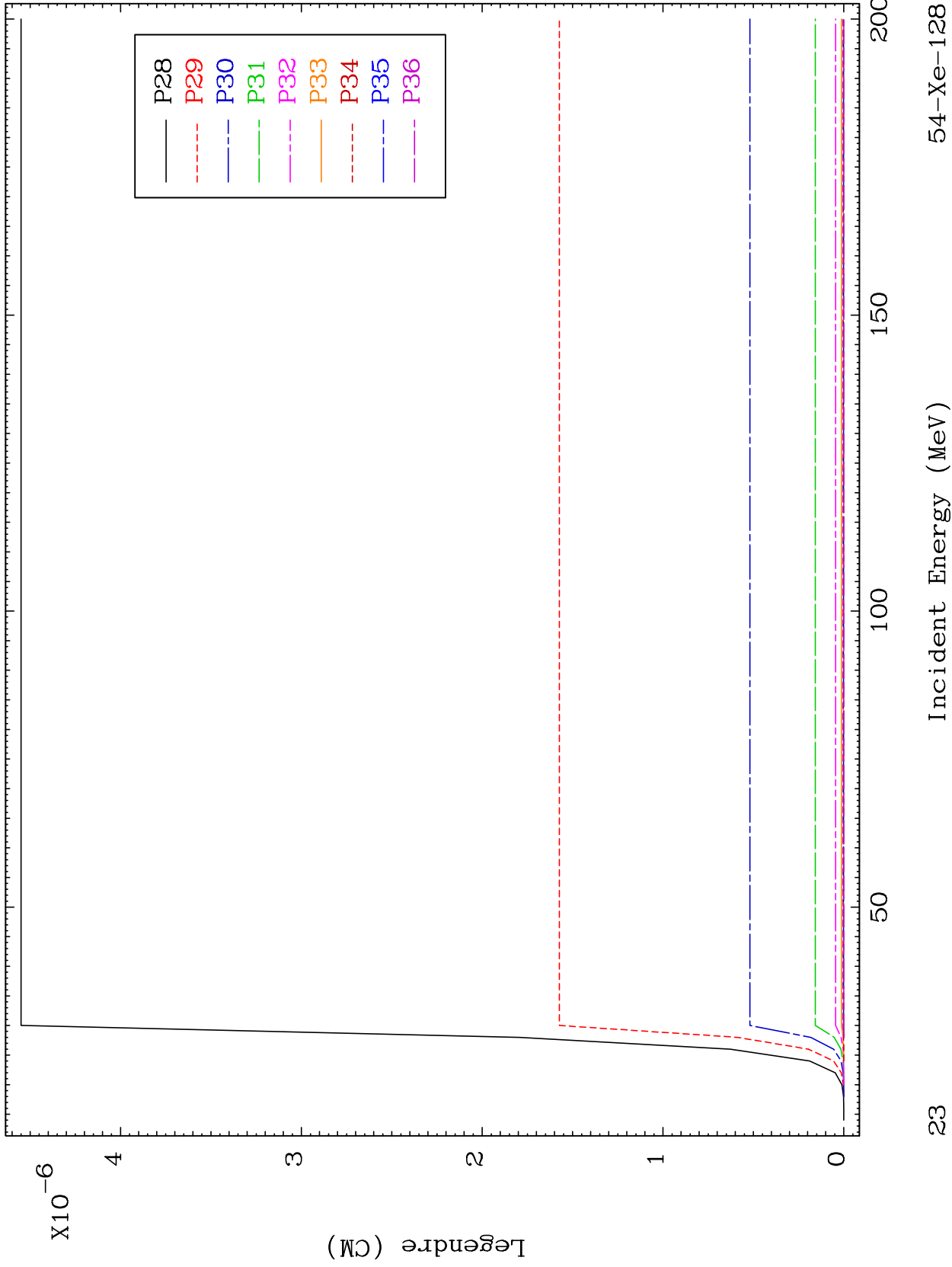
22

54-Xe-128

MAT 5437

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

54-Xe-128



23

200

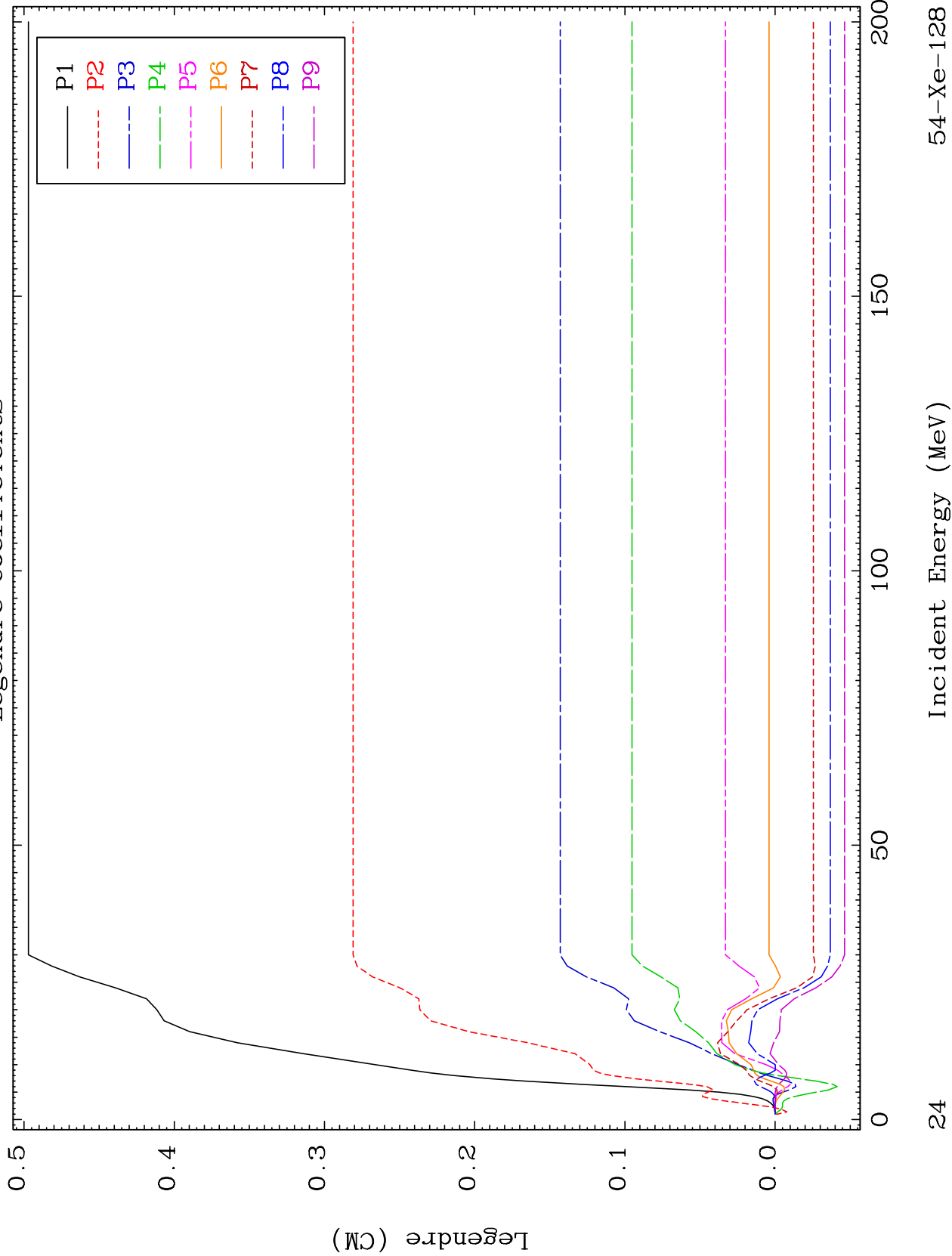


MAT 5437

MT= 52 (n,n') Level

54-Xe-128

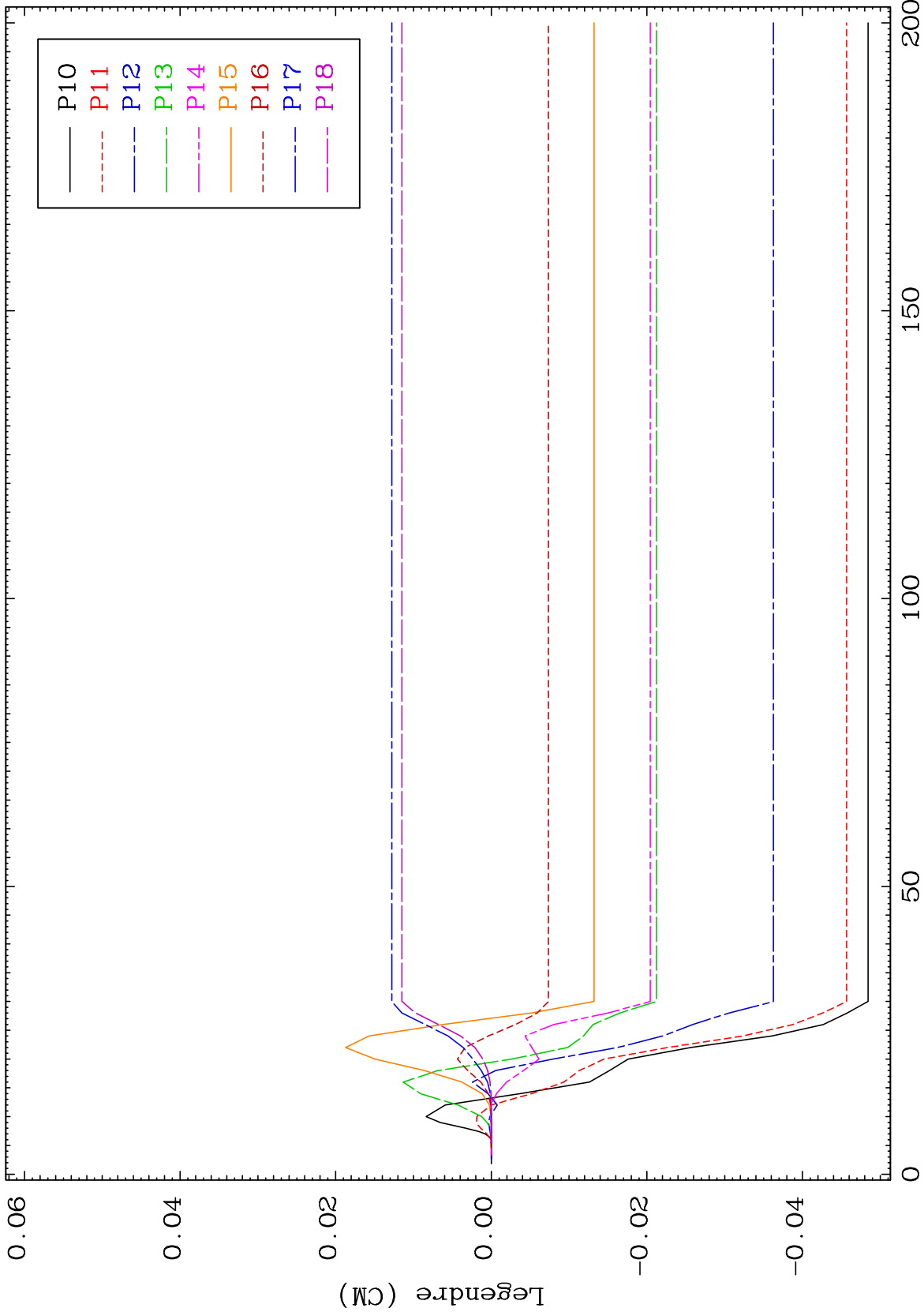
Legendre Coefficients



MAT 5437

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

54-Xe-128



25

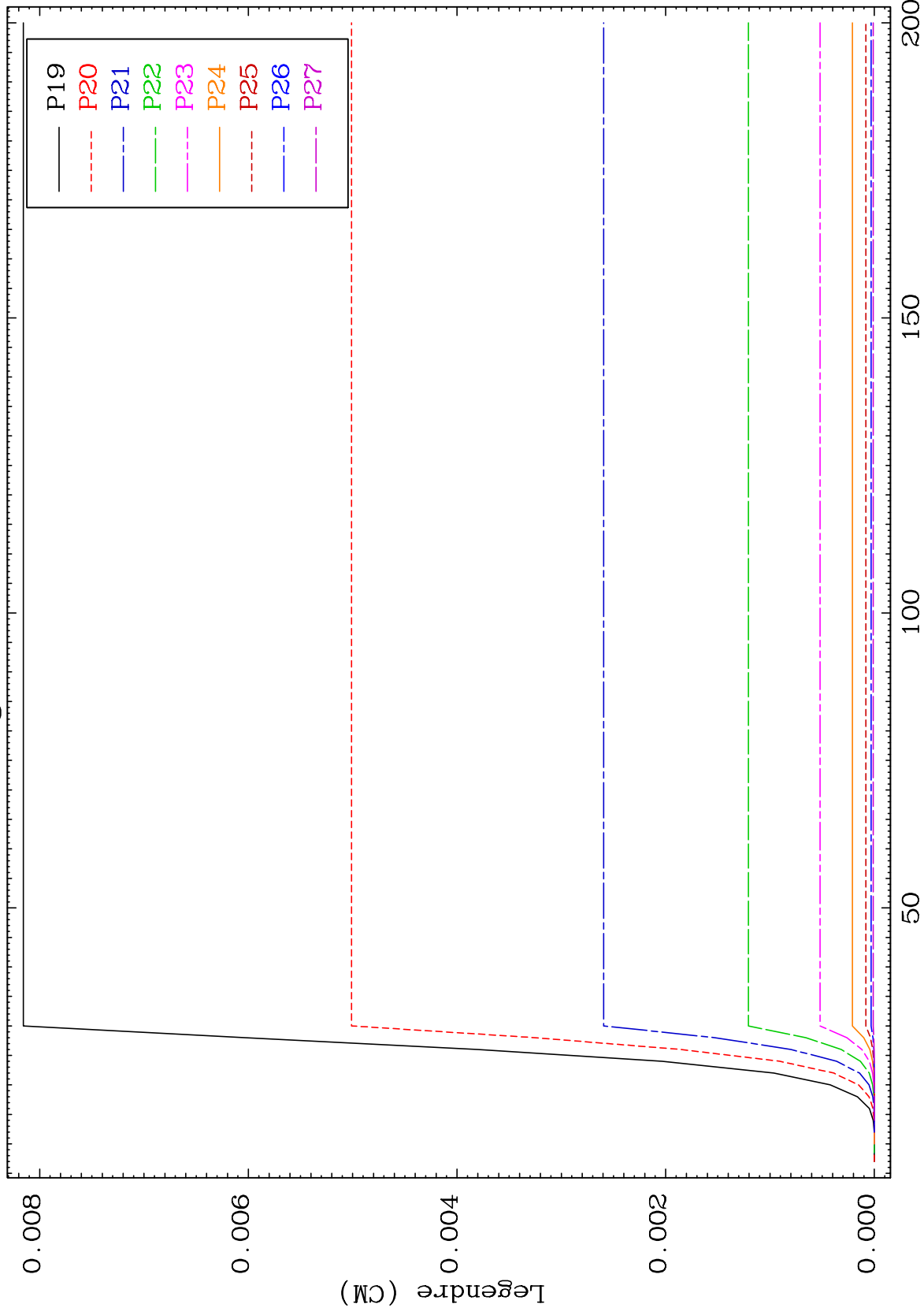
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



26

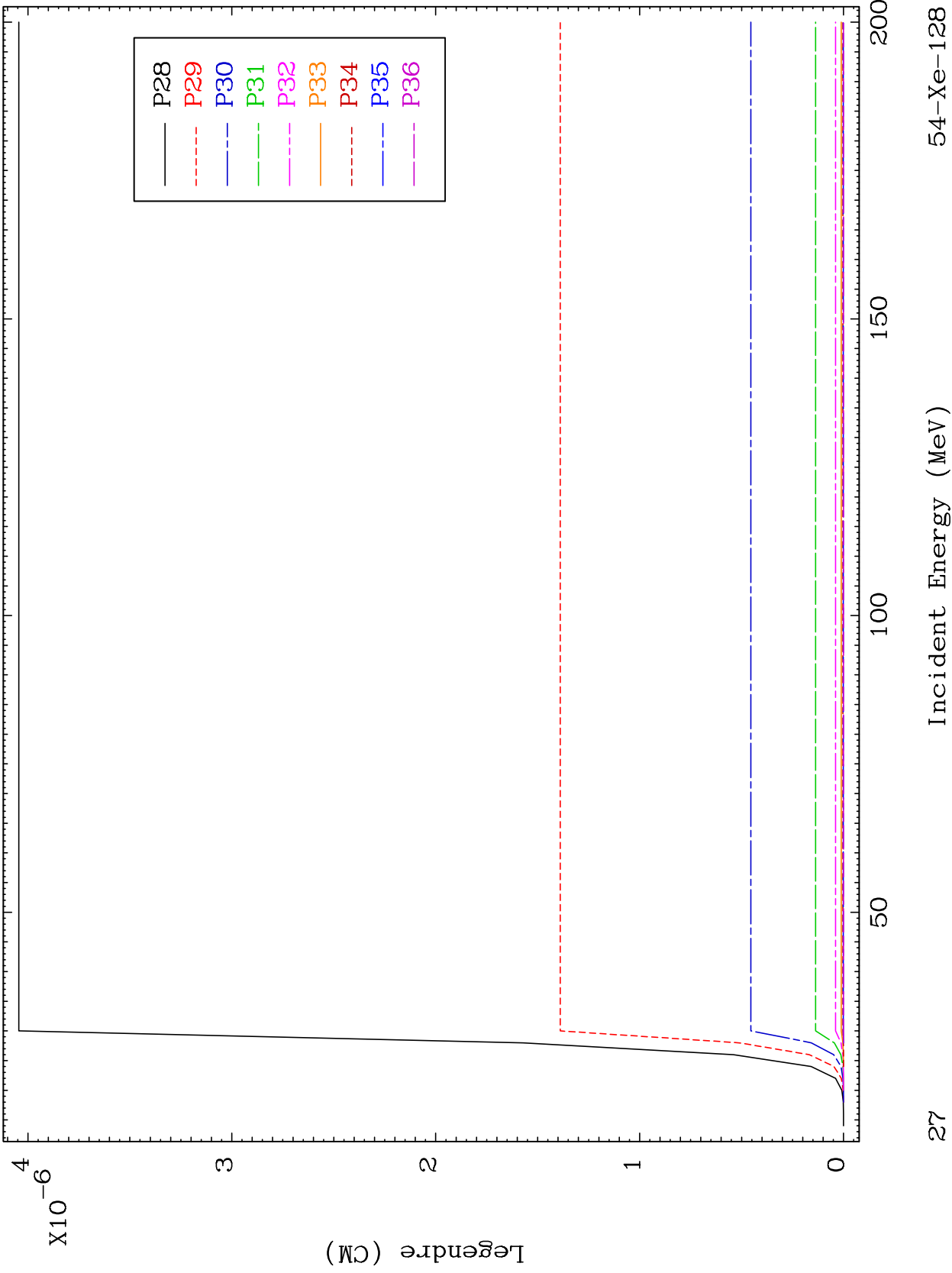
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



27

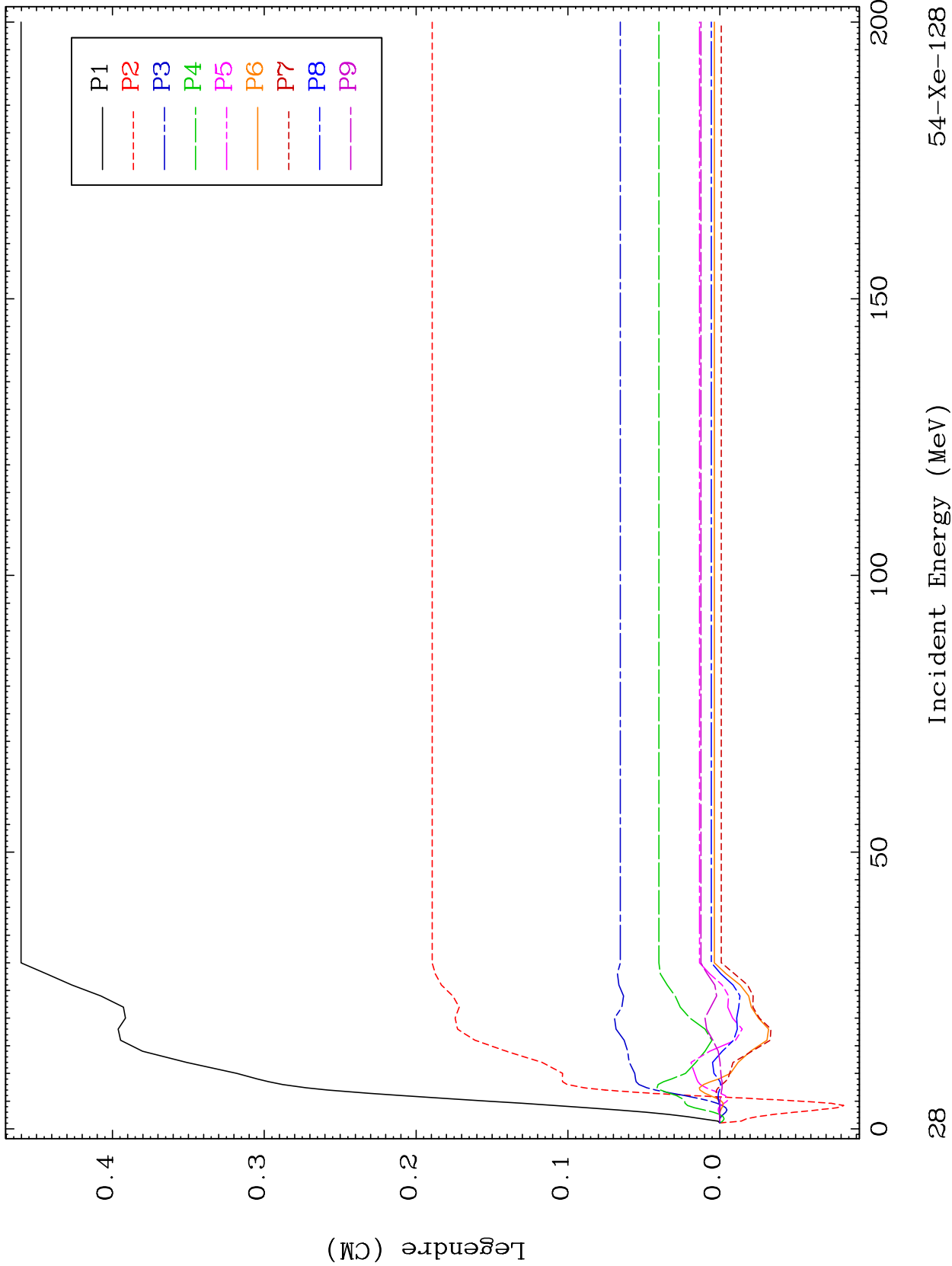
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



54-Xe-128

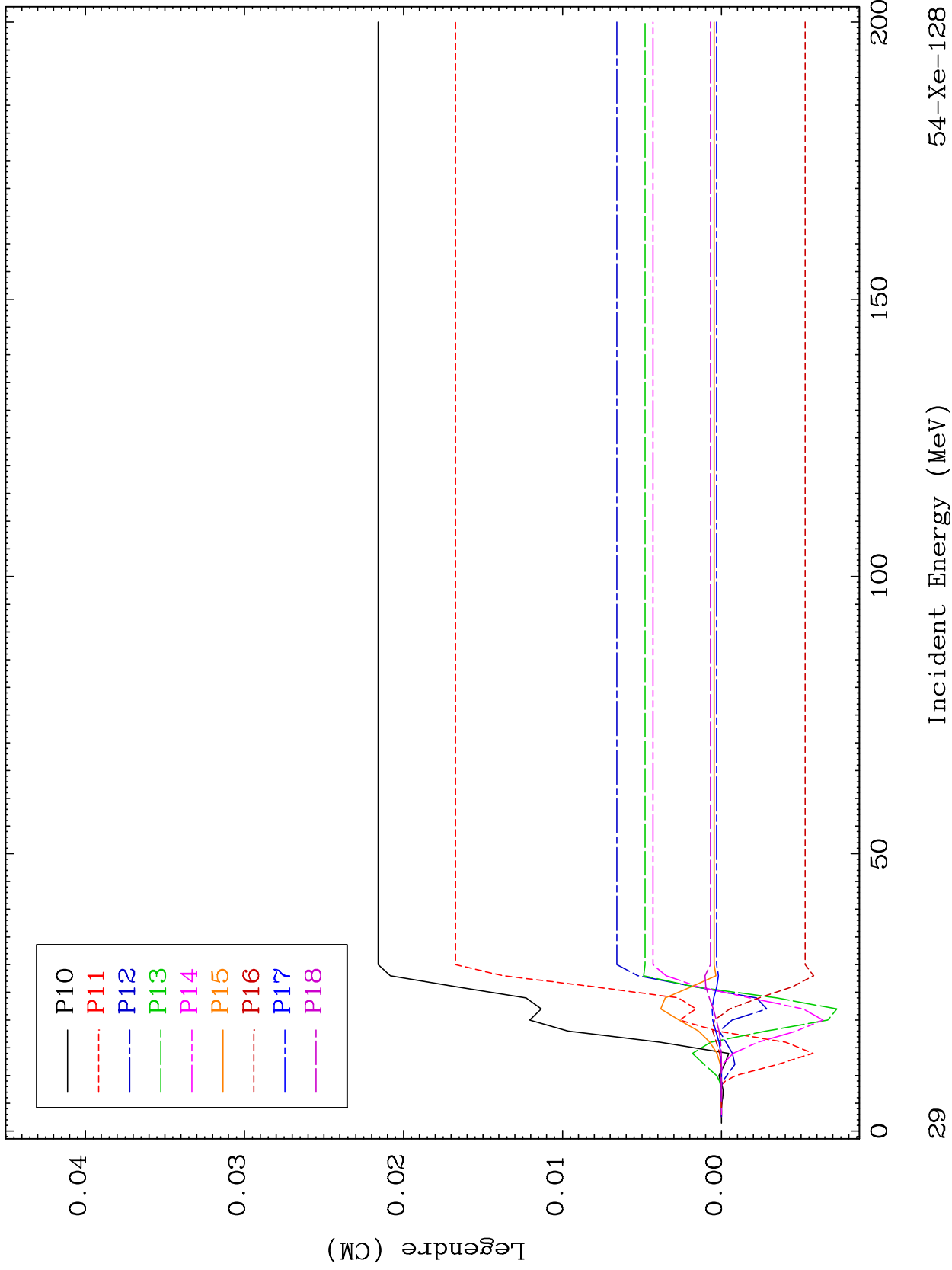
Incident Energy (MeV)

28

MAT 5437

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

54-Xe-128



29

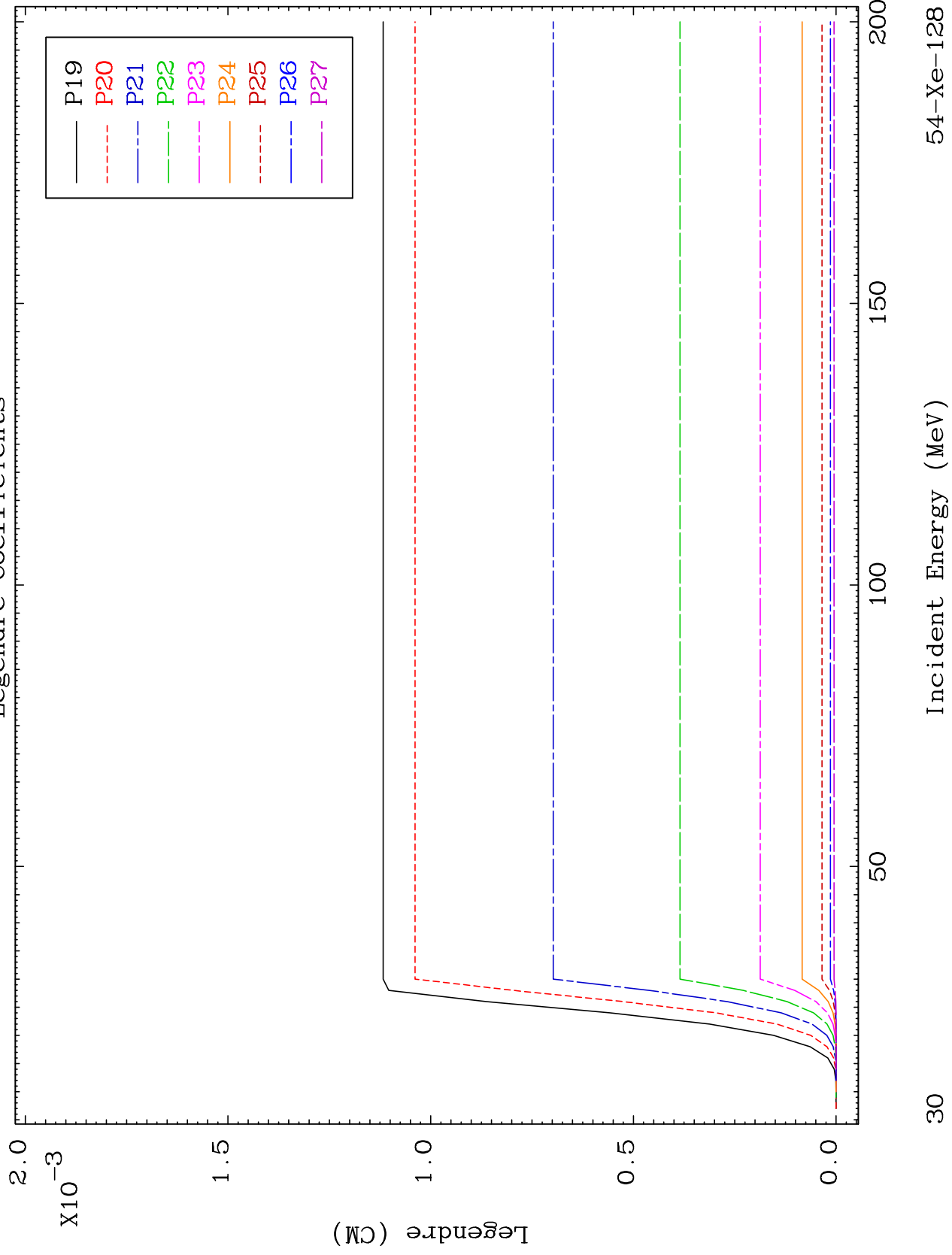
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



54-Xe-128

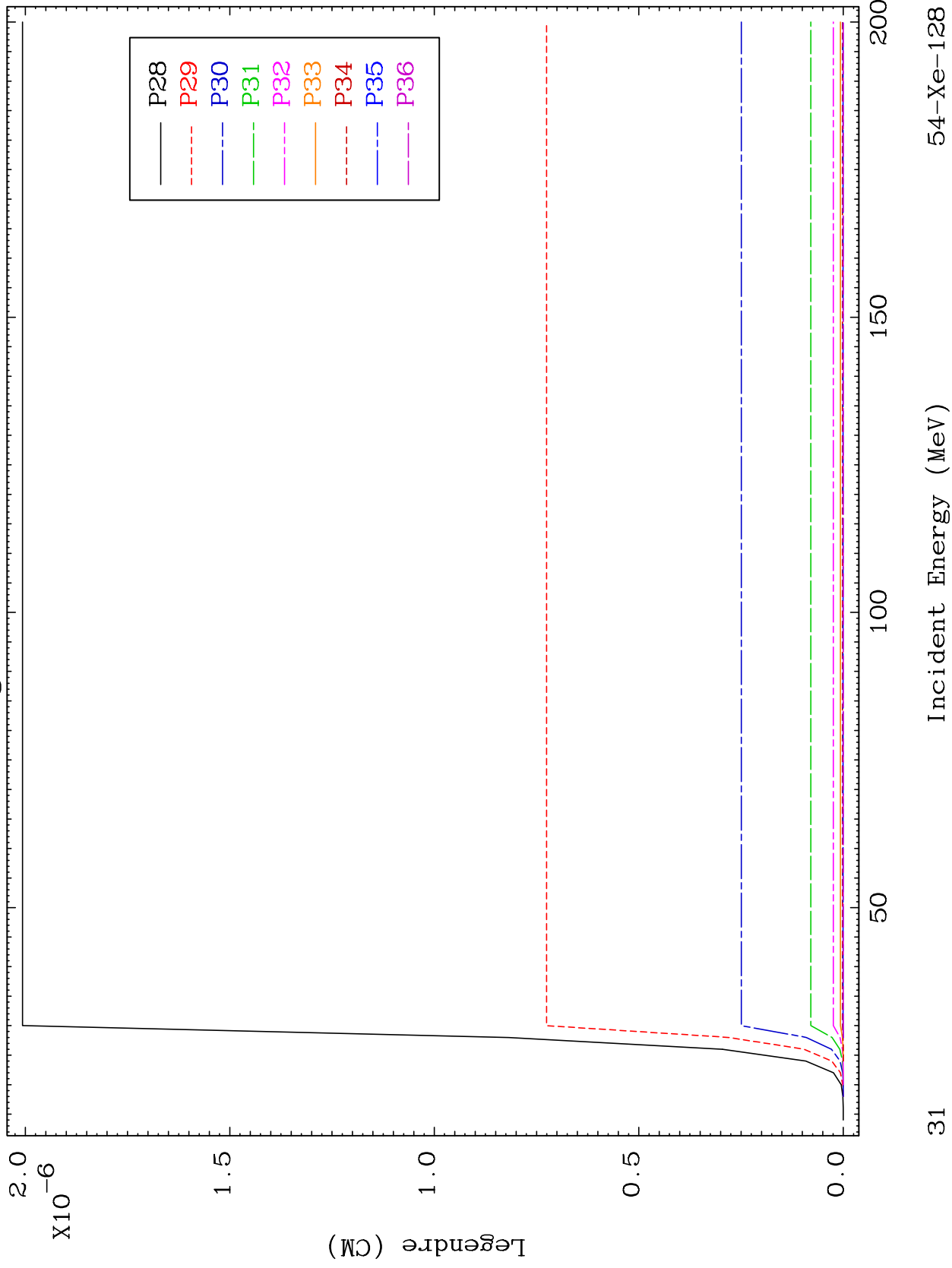
Incident Energy (MeV)

30

MAT 5437

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

54-Xe-128



31

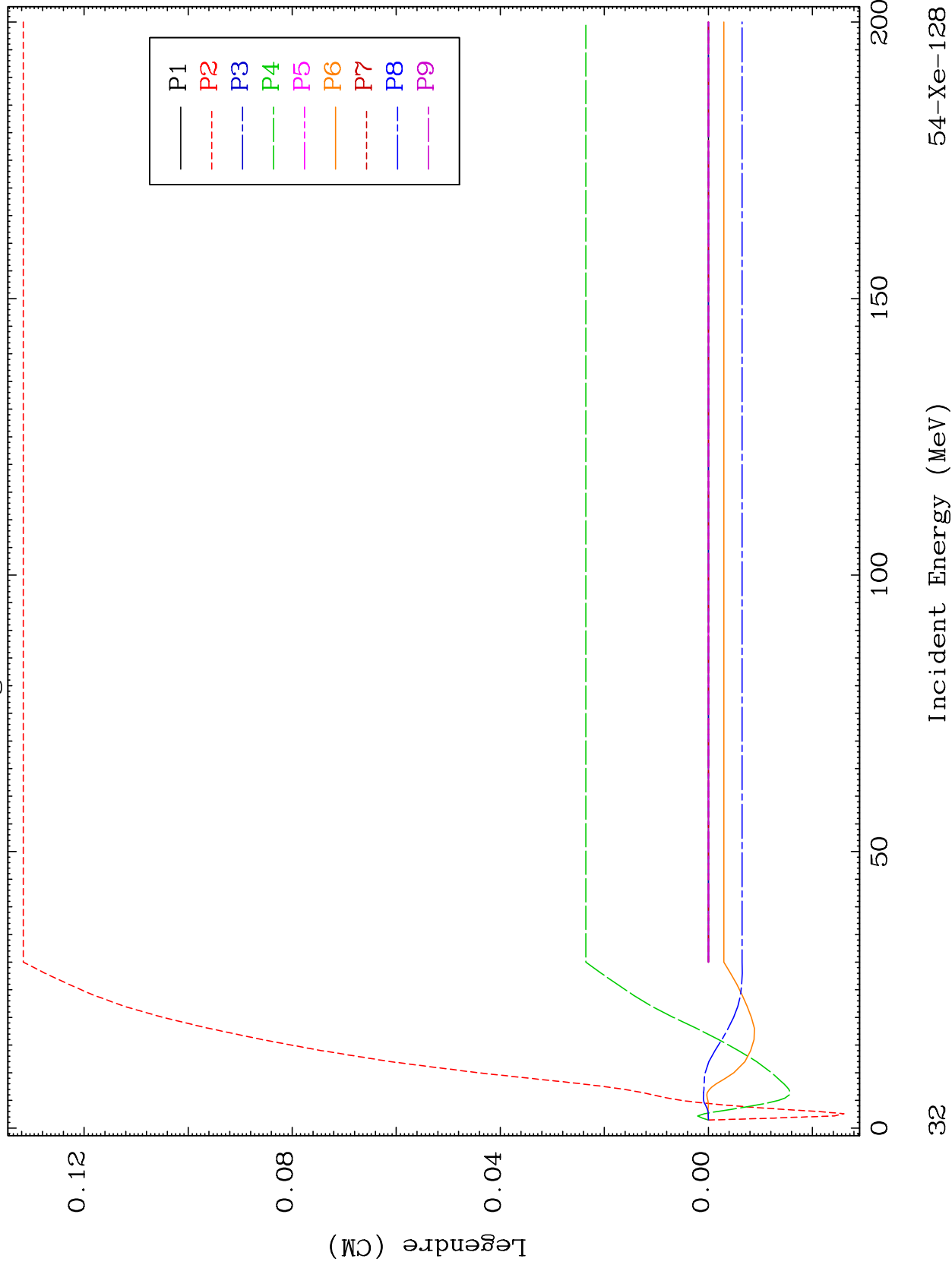
54-Xe-128



MAT 5437

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

54-Xe-128



54-Xe-128

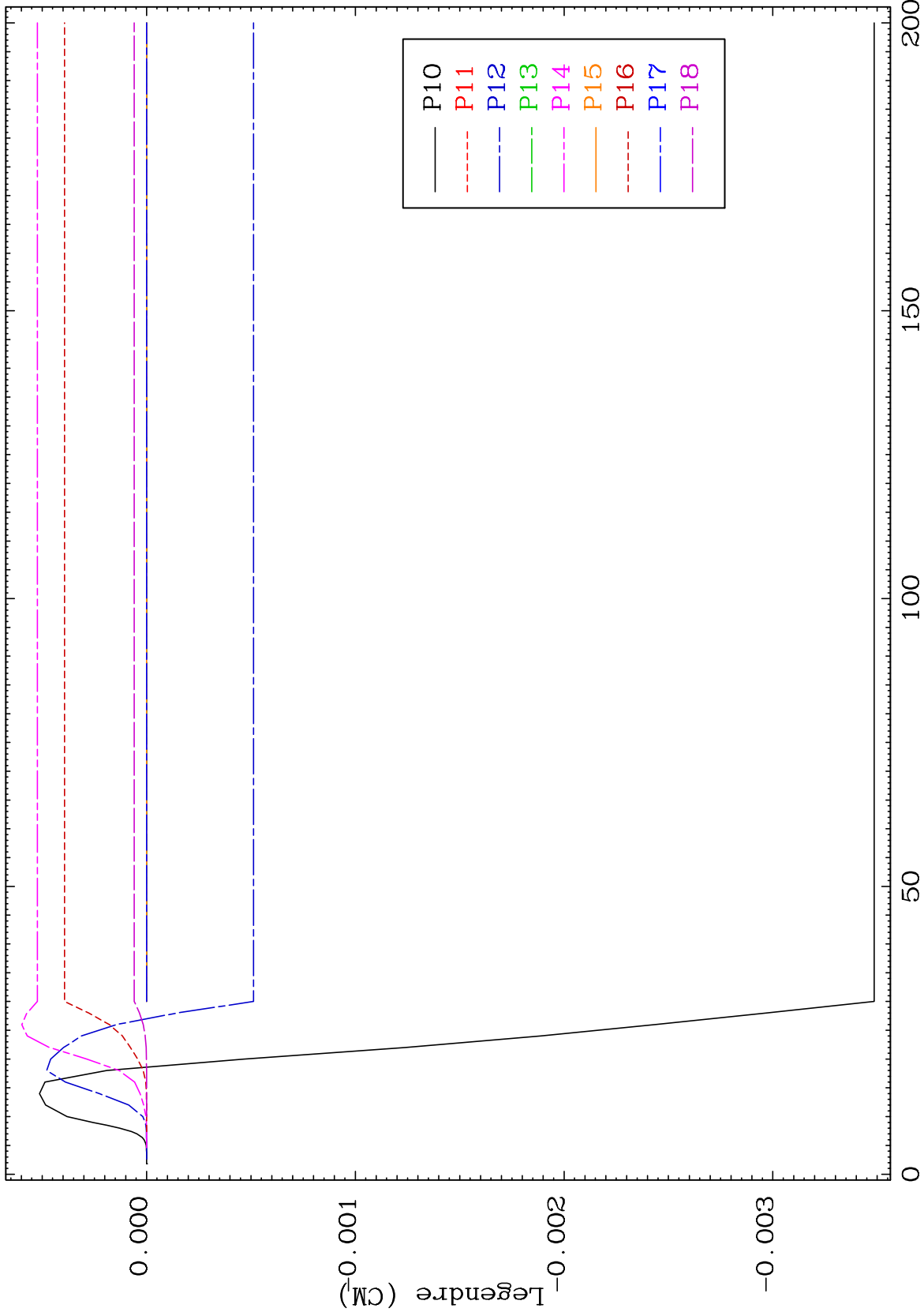
Incident Energy (MeV)

32

MAT 5437

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

54-Xe-128



33

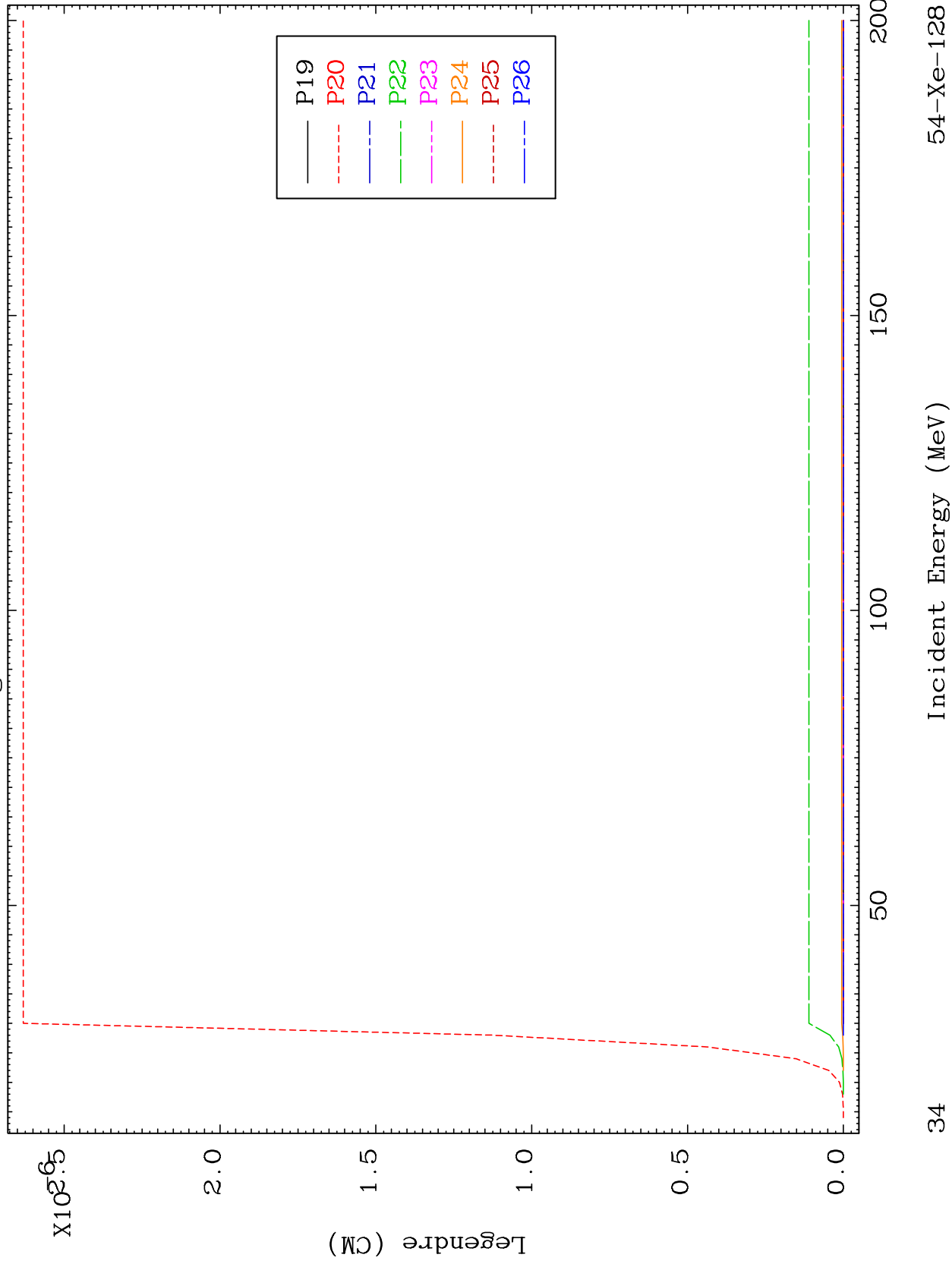
Incident Energy (MeV)

54-Xe-128

MAT 5437

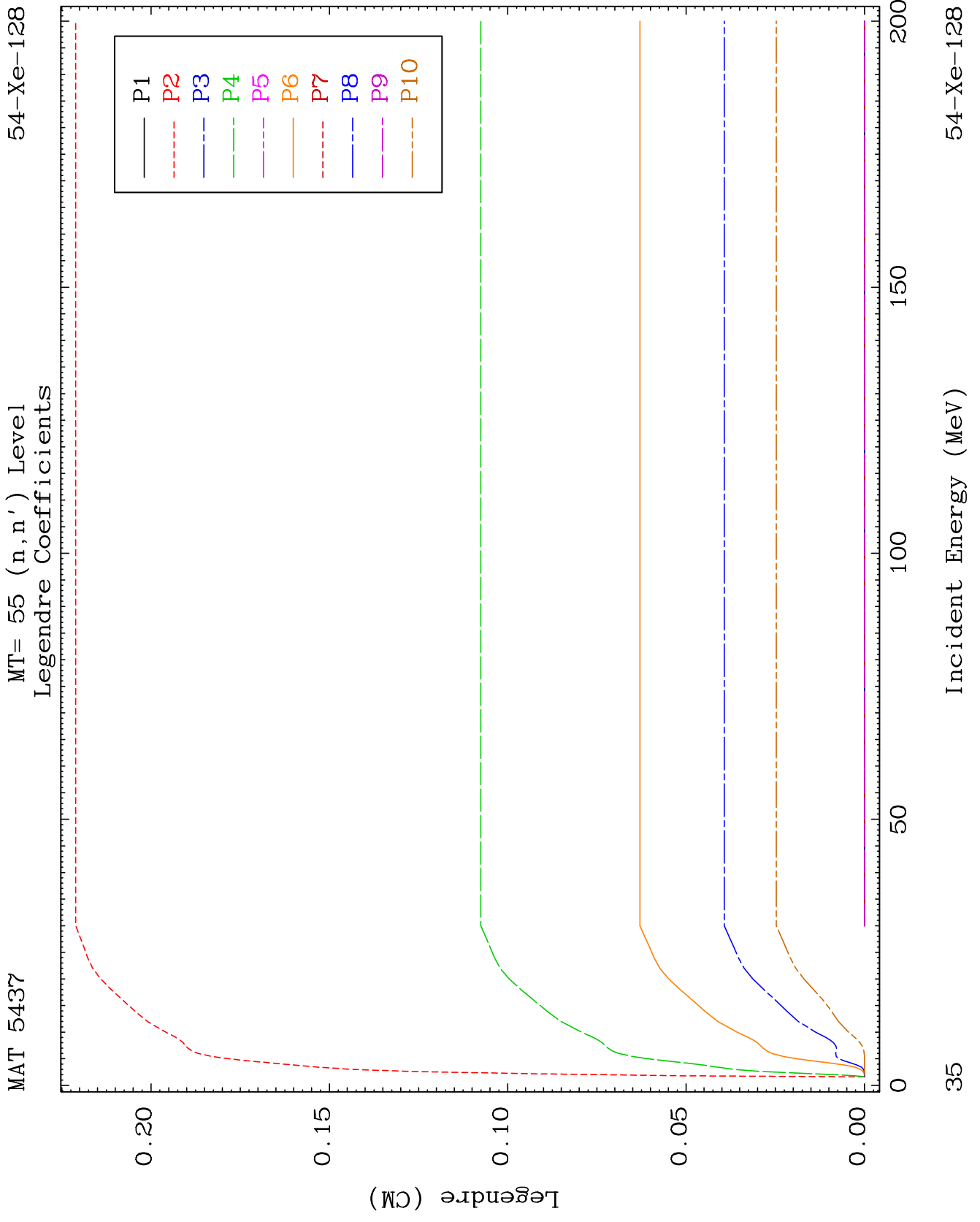
MT= 54 (n,n') Level  
Legendre Coefficients

54-Xe-128



34

54-Xe-128

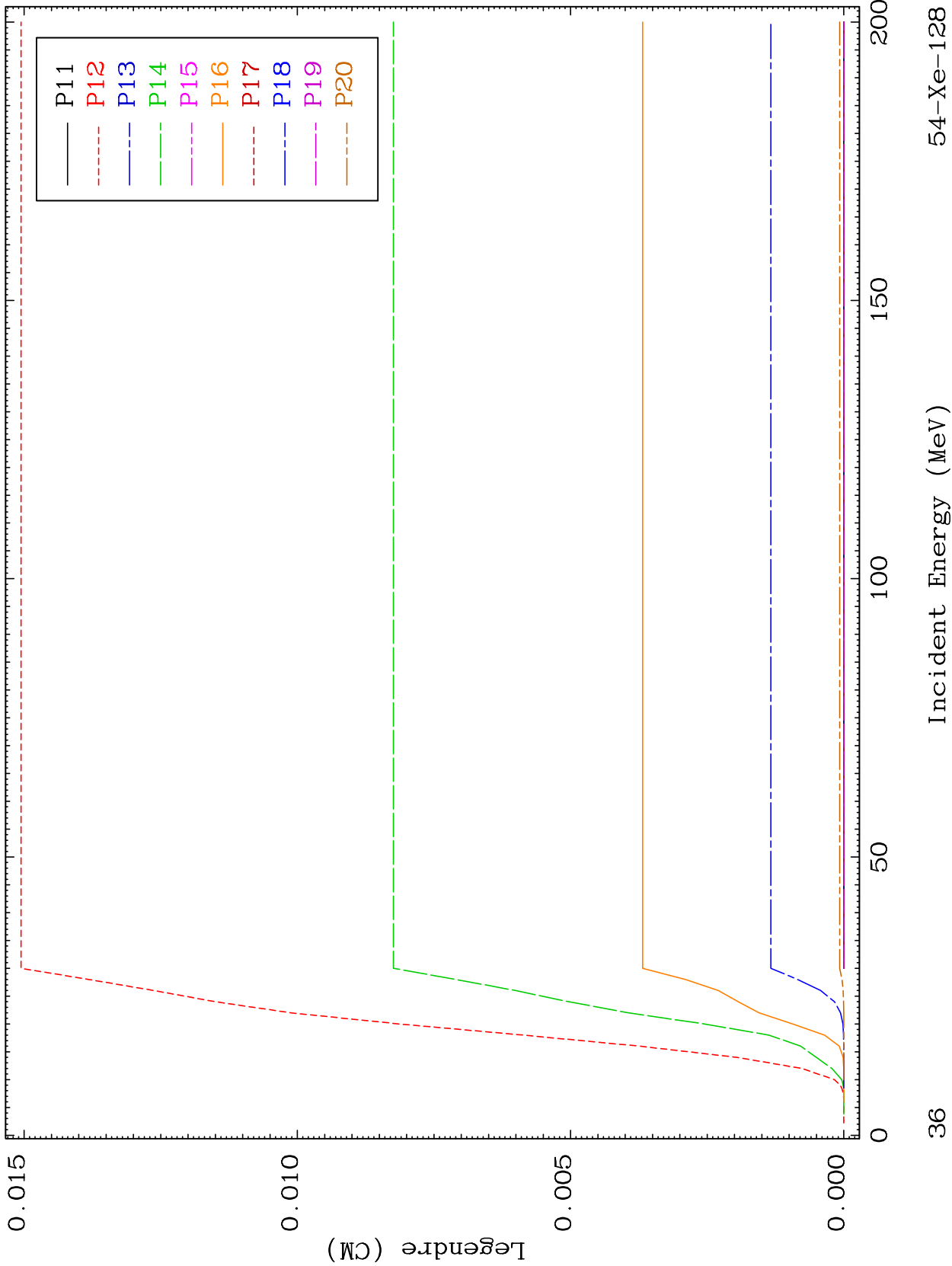


MAT 5437

MT= 55 (n,n') Level

54-Xe-128

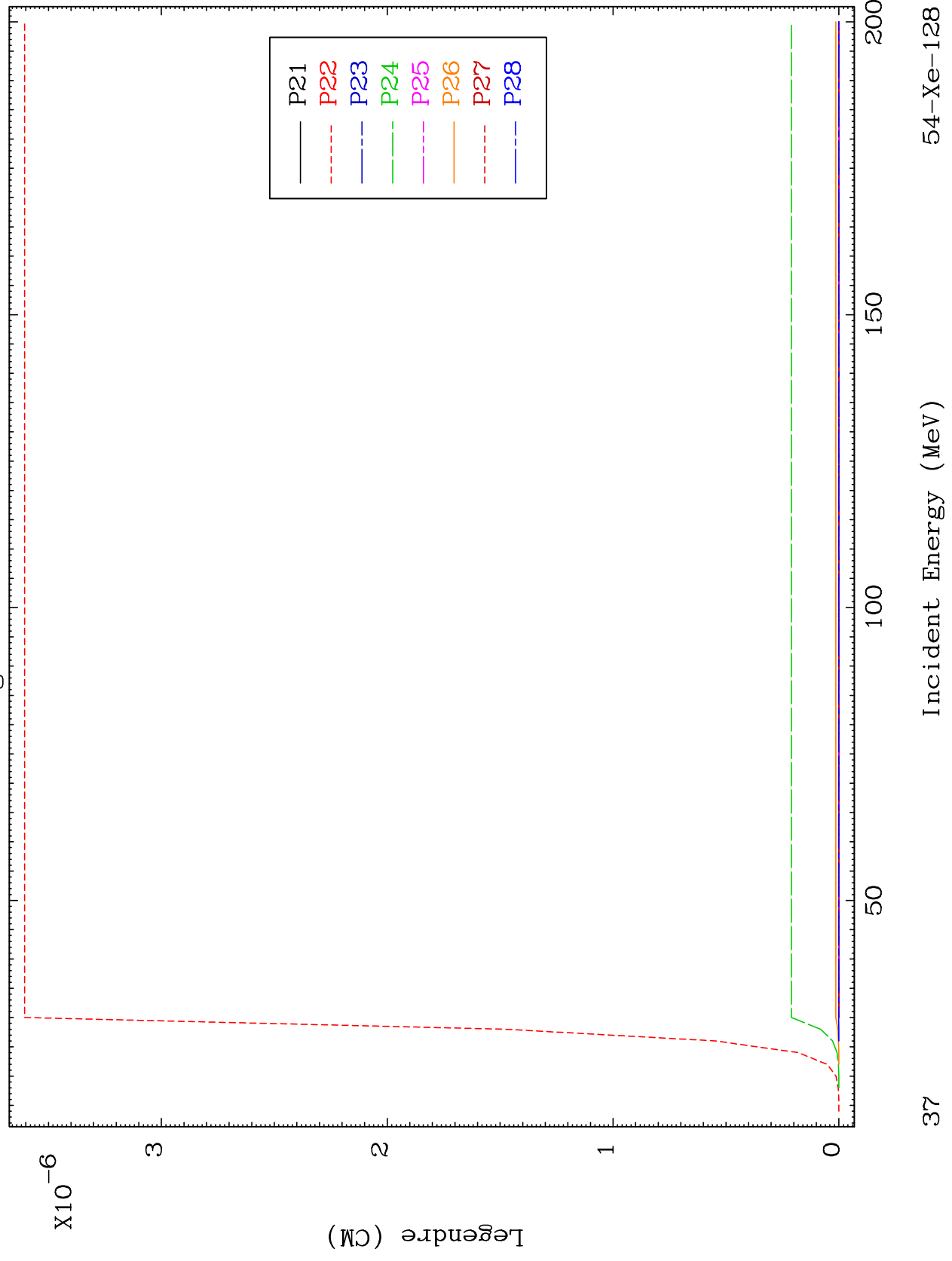
Legendre Coefficients



MAT 5437

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

54-Xe-128



37

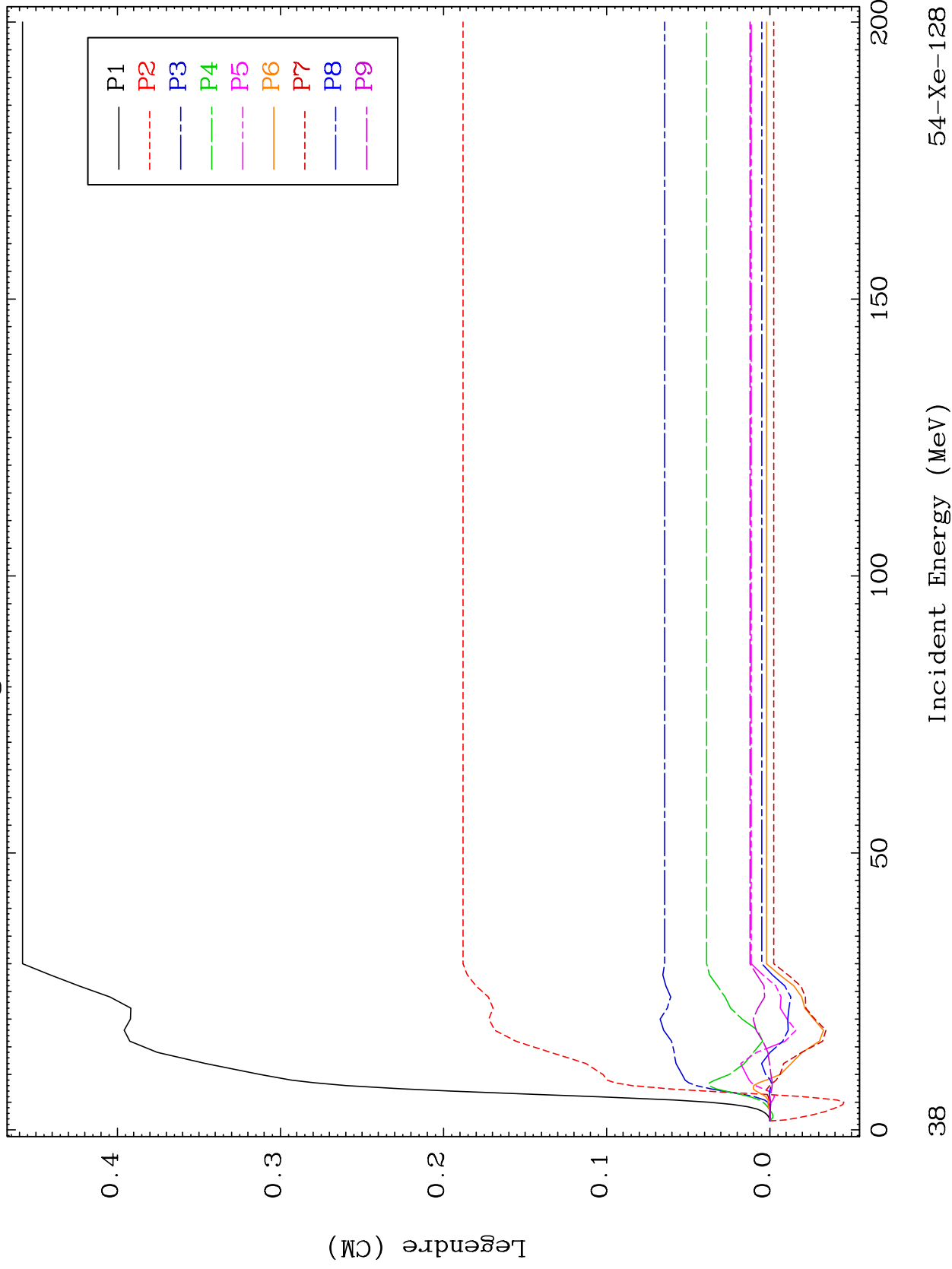
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



54-Xe-128

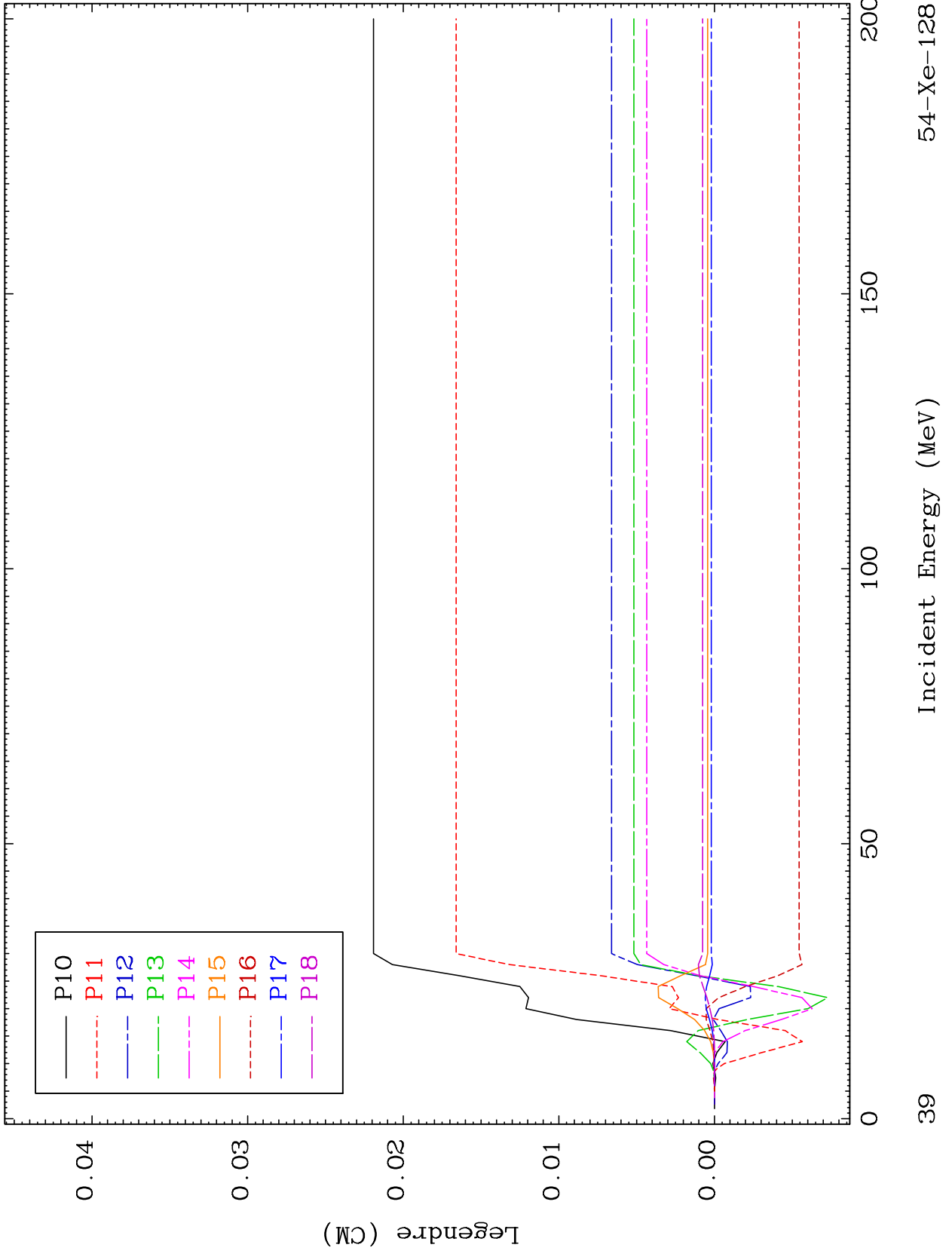
Incident Energy (MeV)

38

MAT 5437

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

54-Xe-128



39

Incident Energy (MeV)

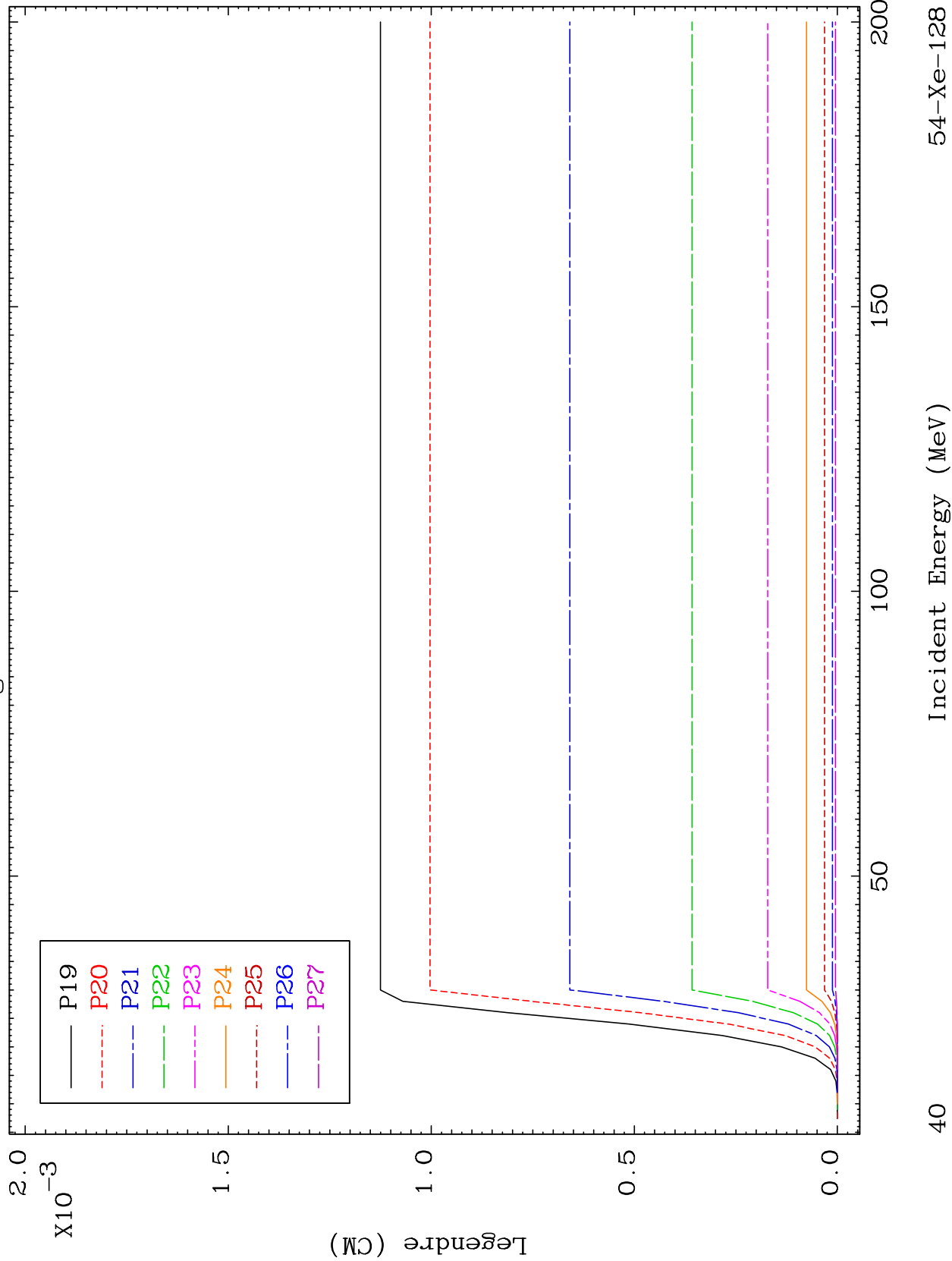
54-Xe-128



MAT 5437

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

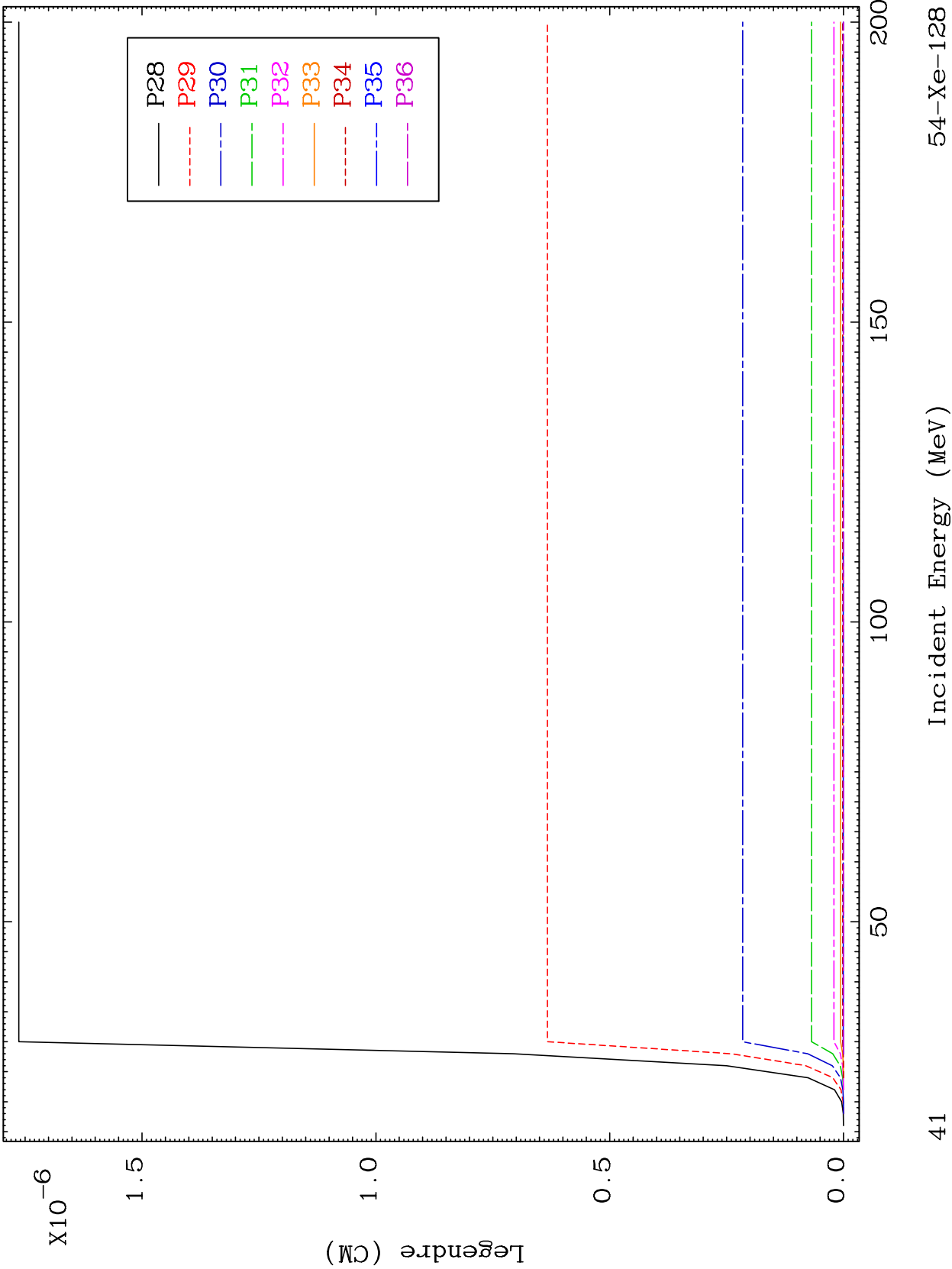
54-Xe-128



MAT 5437

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

54-Xe-128



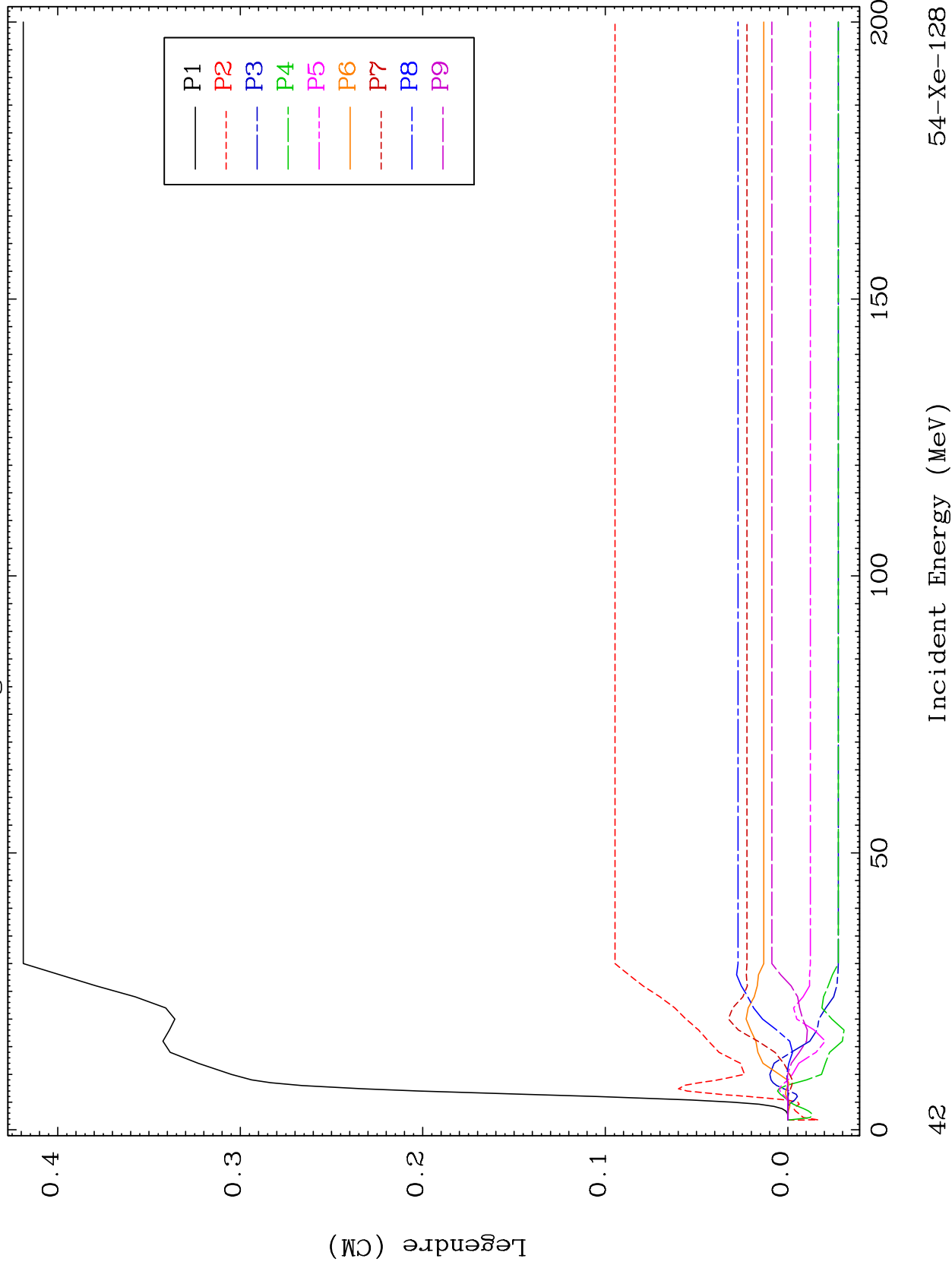
41

54-Xe-128

MAT 5437

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

54-Xe-128

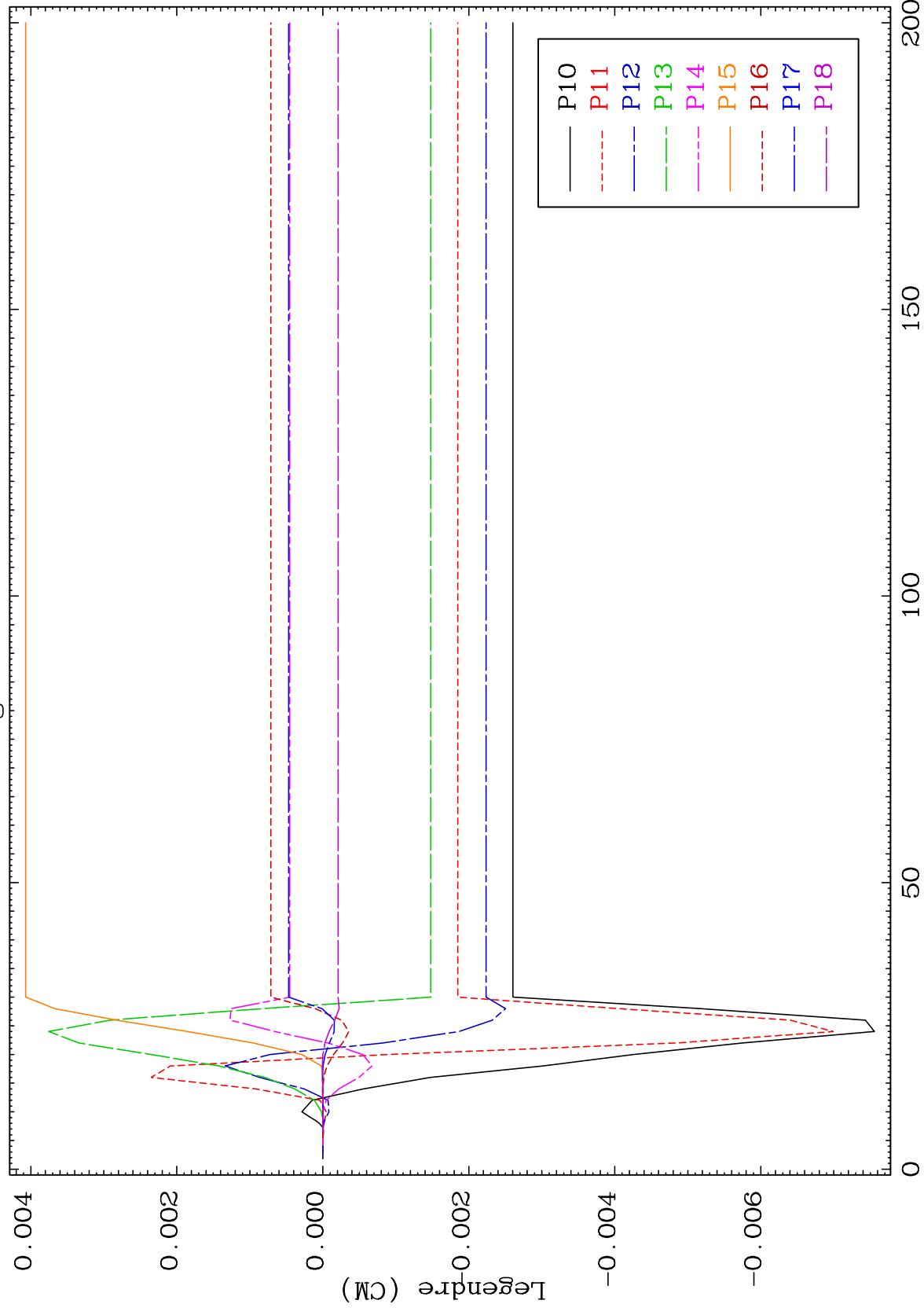


42

MAT 5437

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

54-Xe-128



43

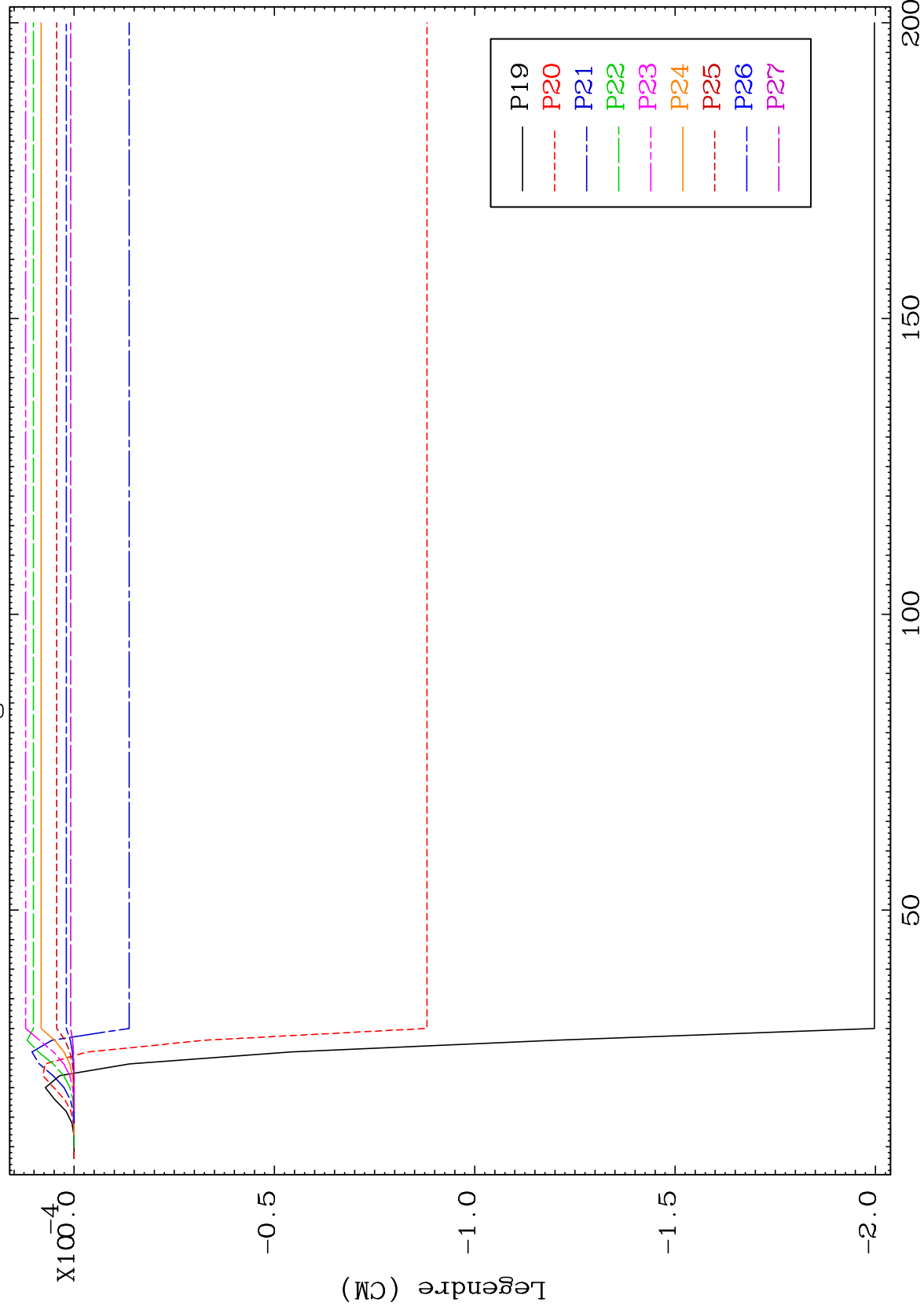
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

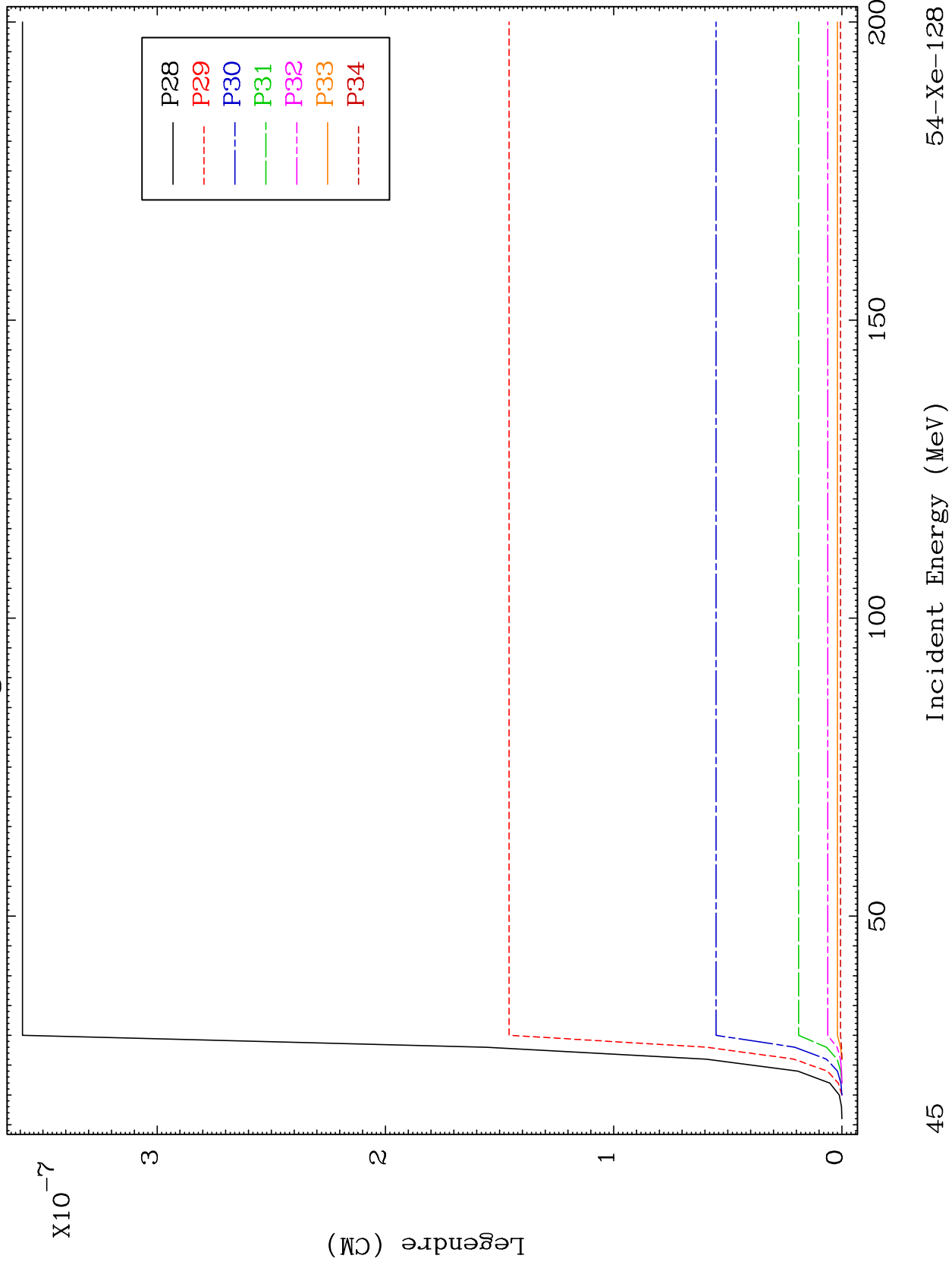
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MAT 5437

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

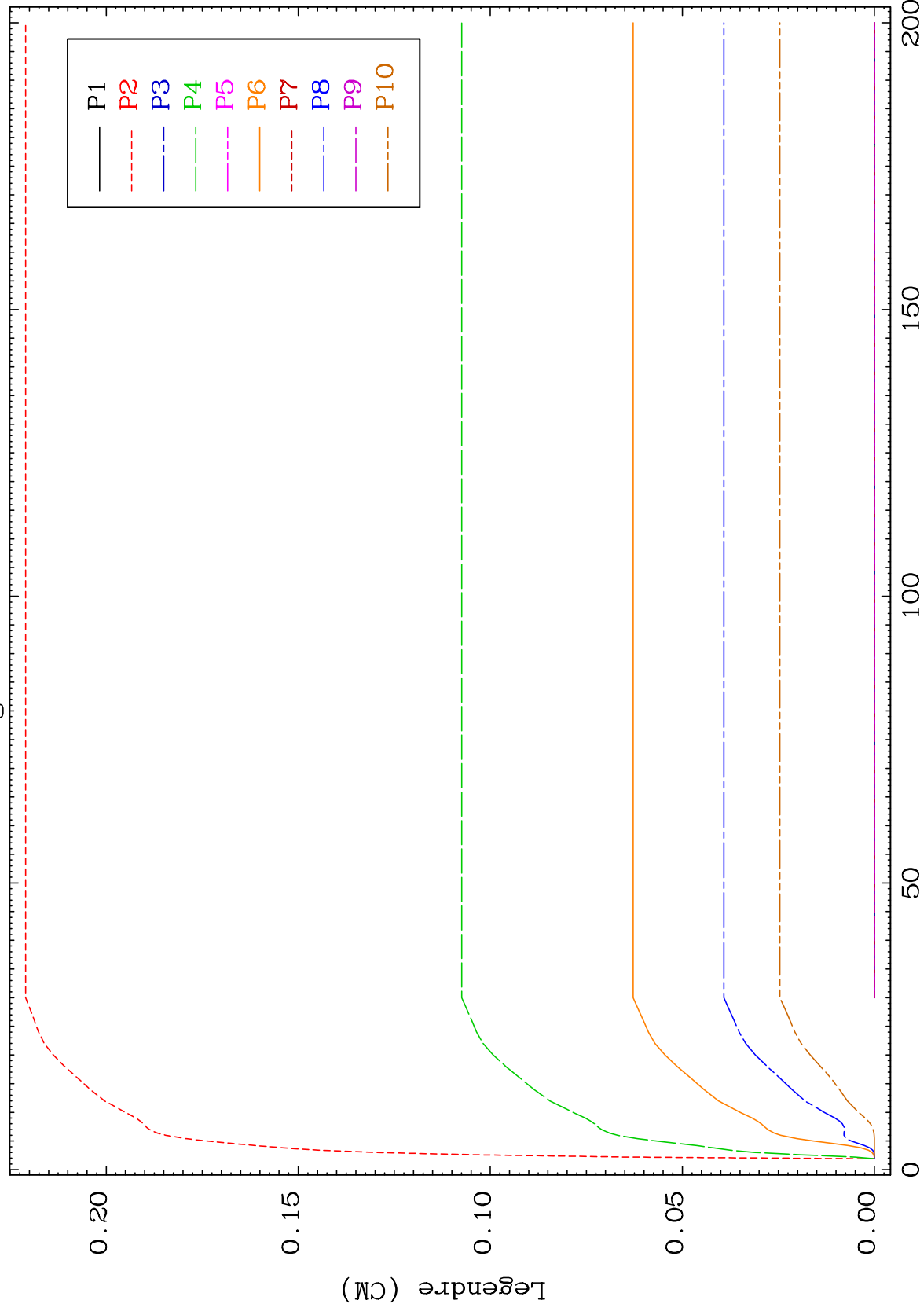
54-Xe-128



MAT 5437

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

54-Xe-128



46

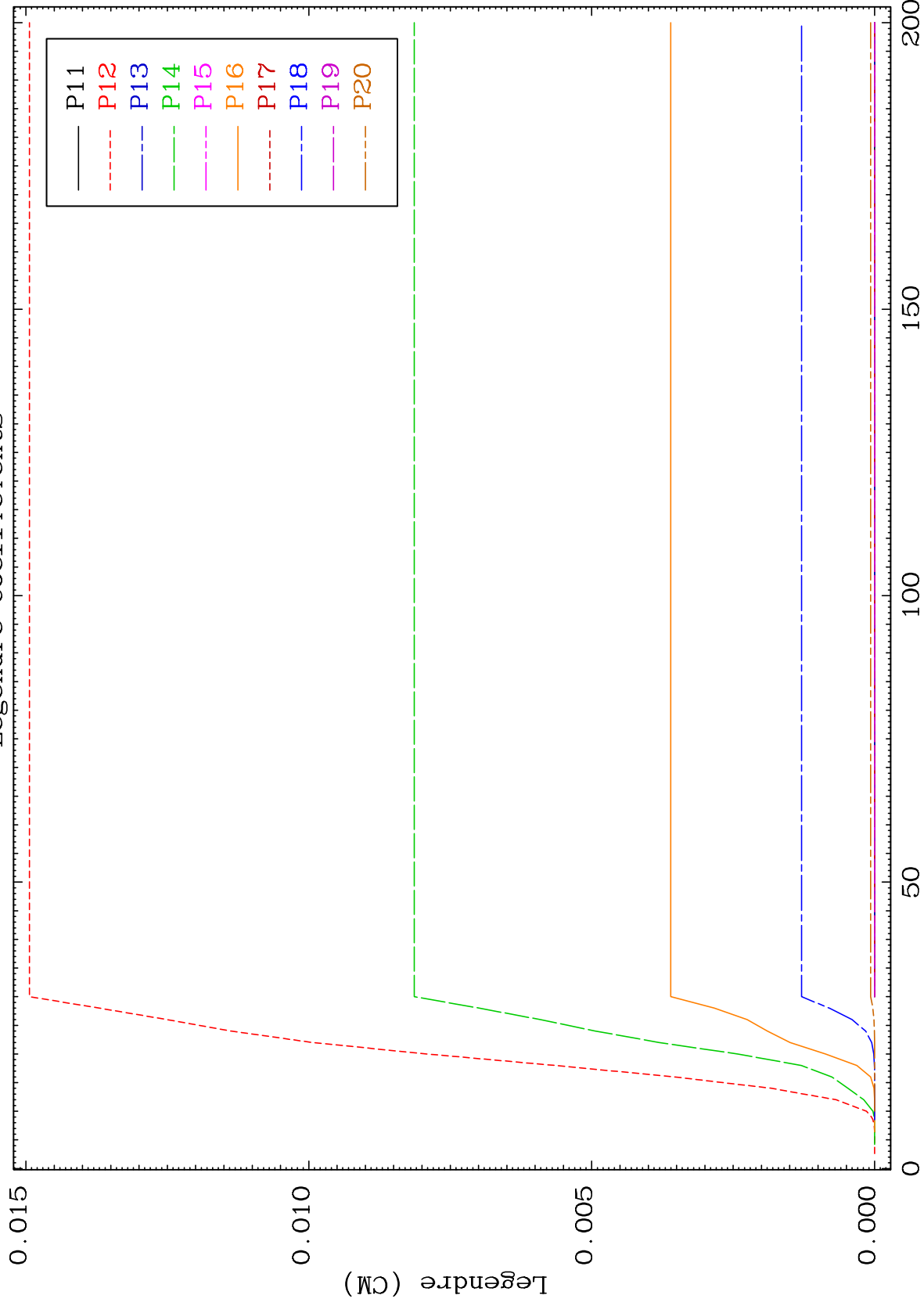
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



47

Incident Energy (MeV)

54-Xe-128

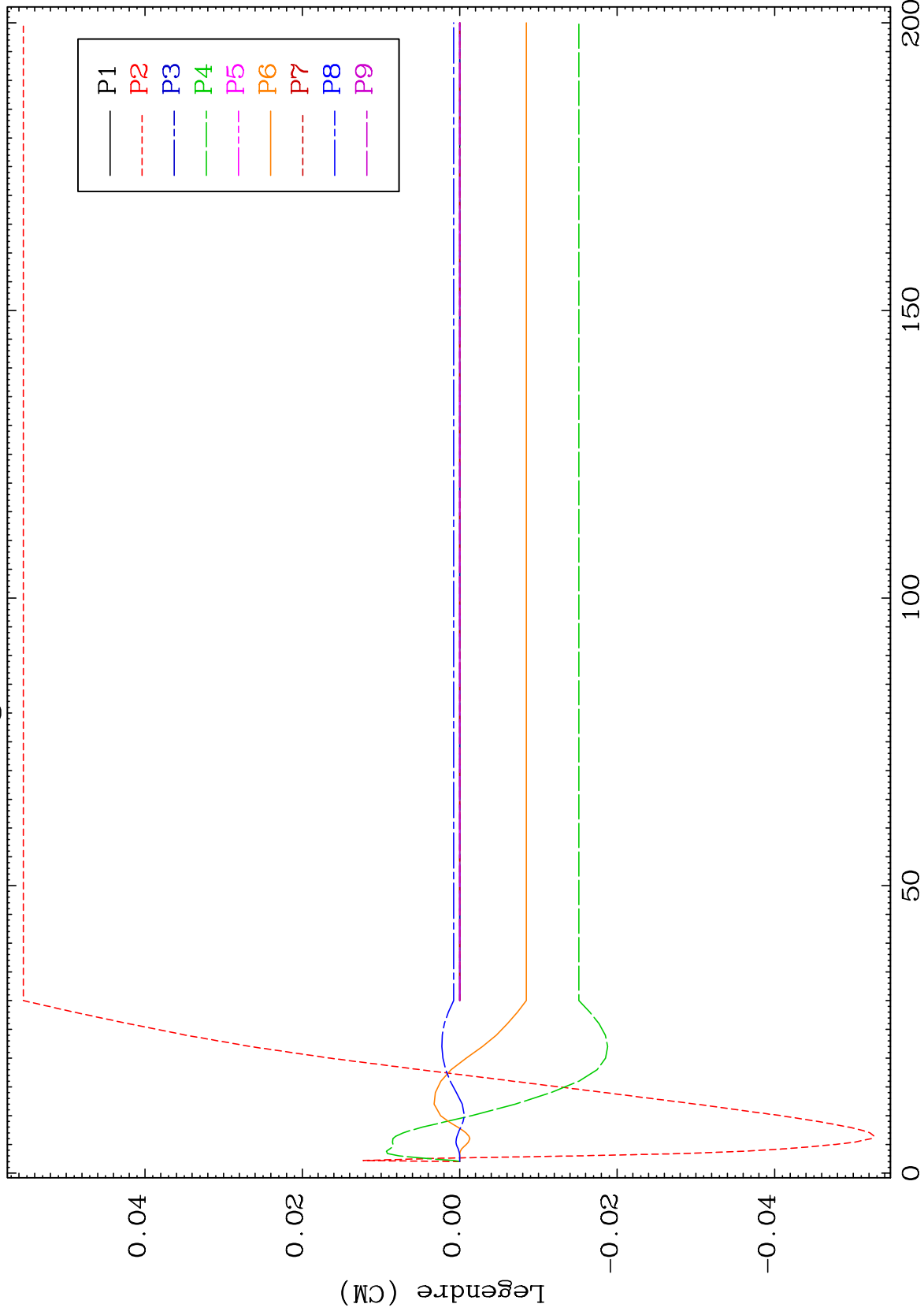




MAT 5437

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

54-Xe-128



54-Xe-128

Incident Energy (MeV)

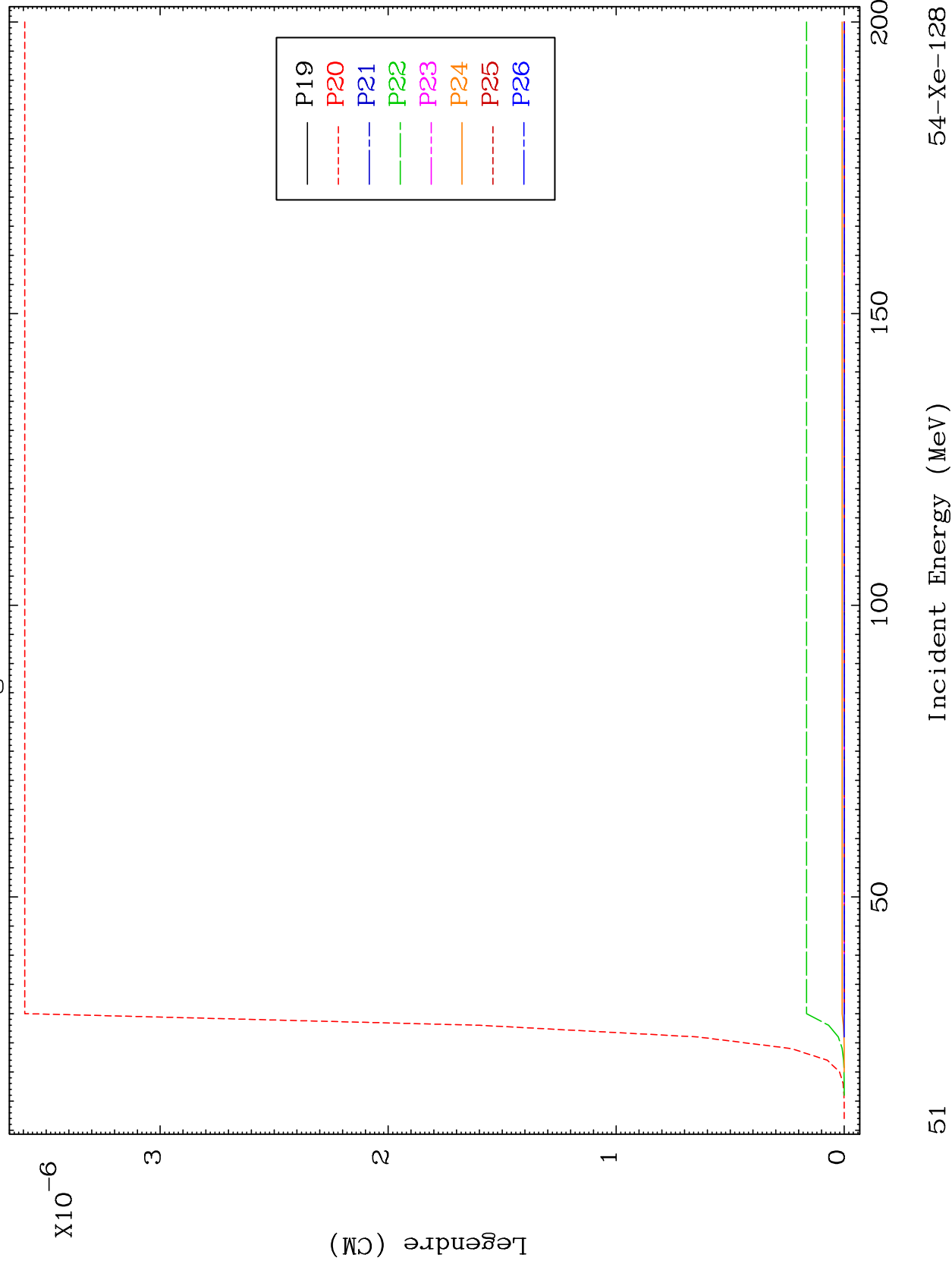
49



MAT 5437

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

54-Xe-128



51

Incident Energy (MeV)

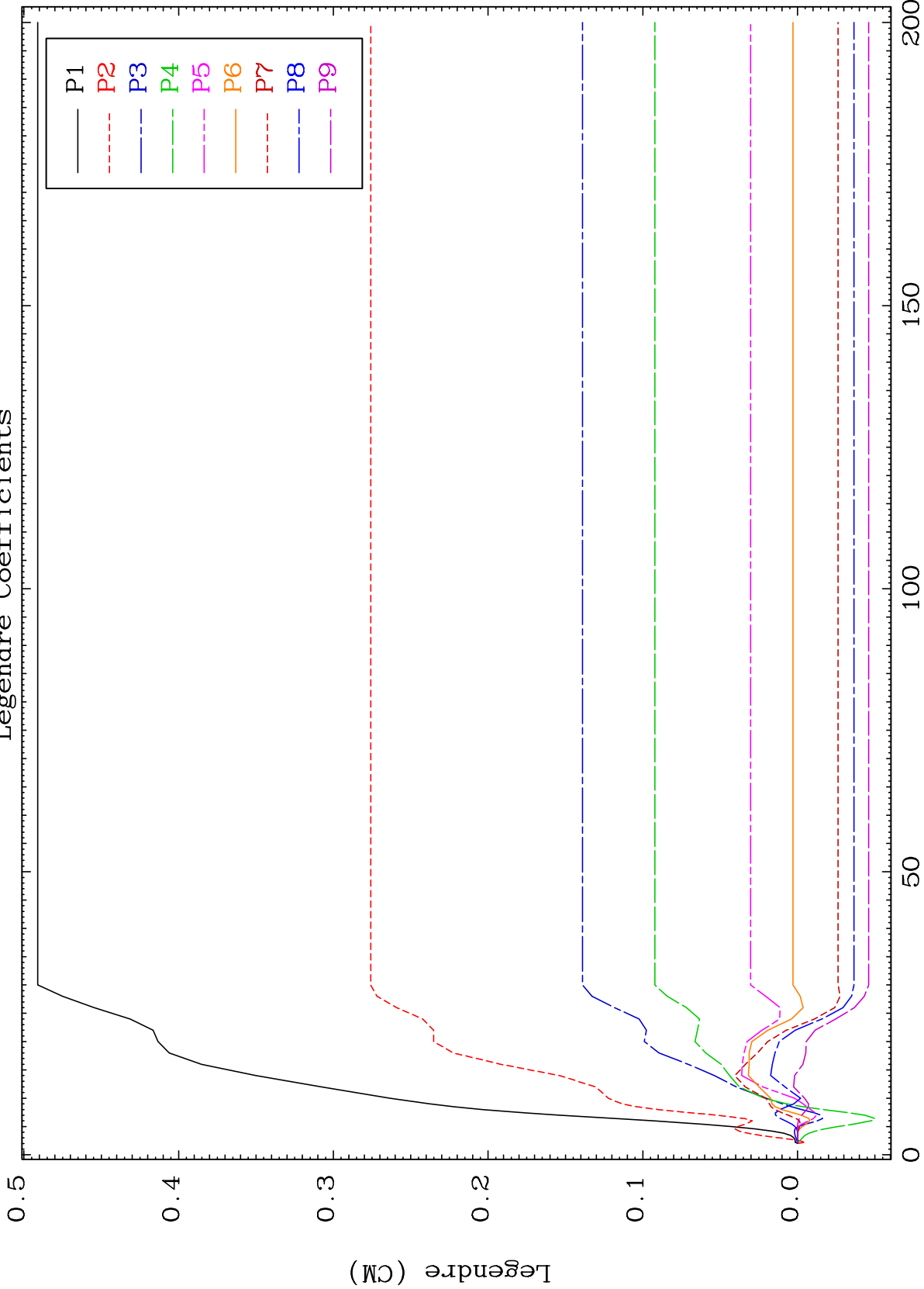
54-Xe-128

MAT 5437

MT= 60 (n,n') Level

54-Xe-128

Legendre Coefficients



52

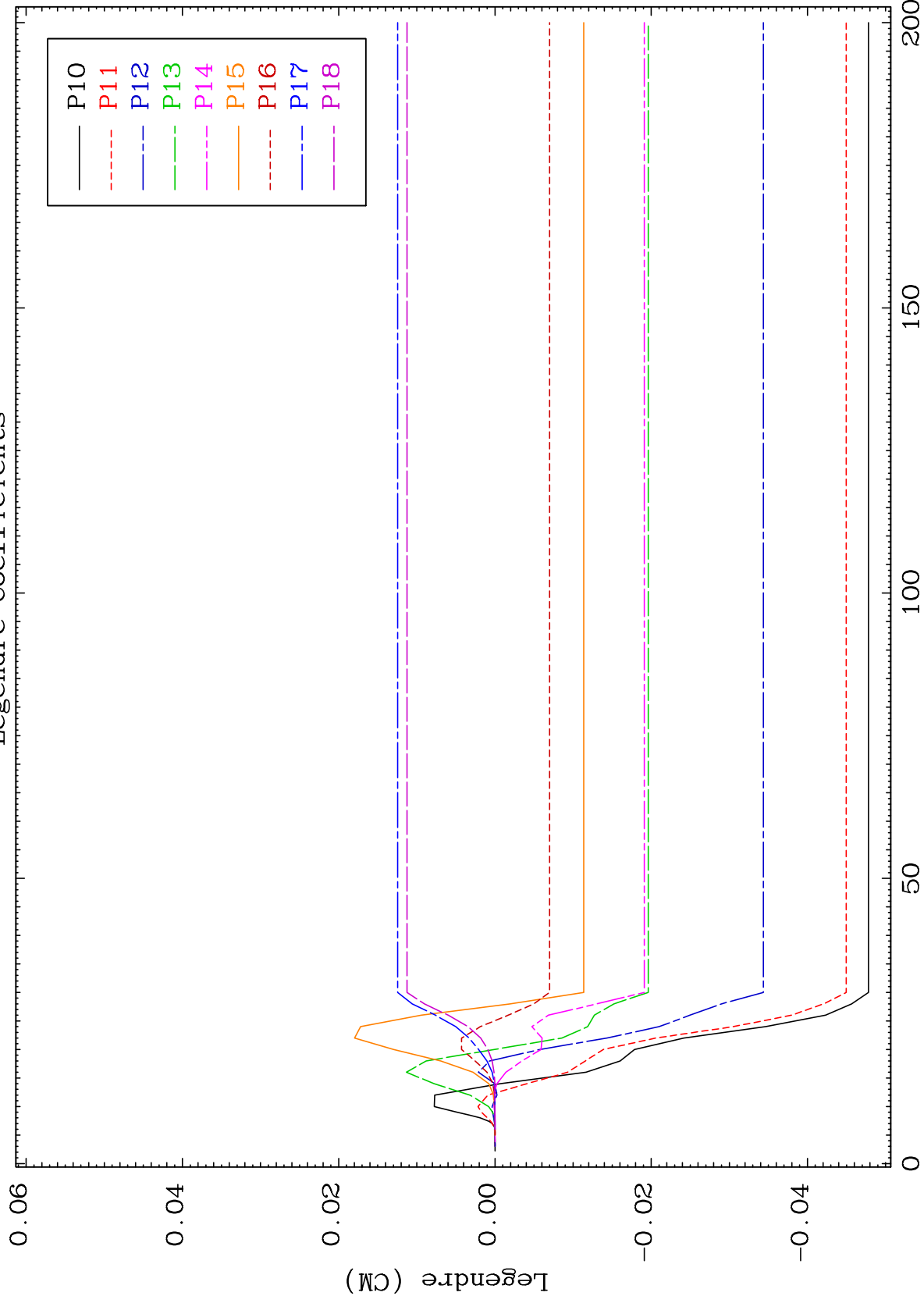
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



53

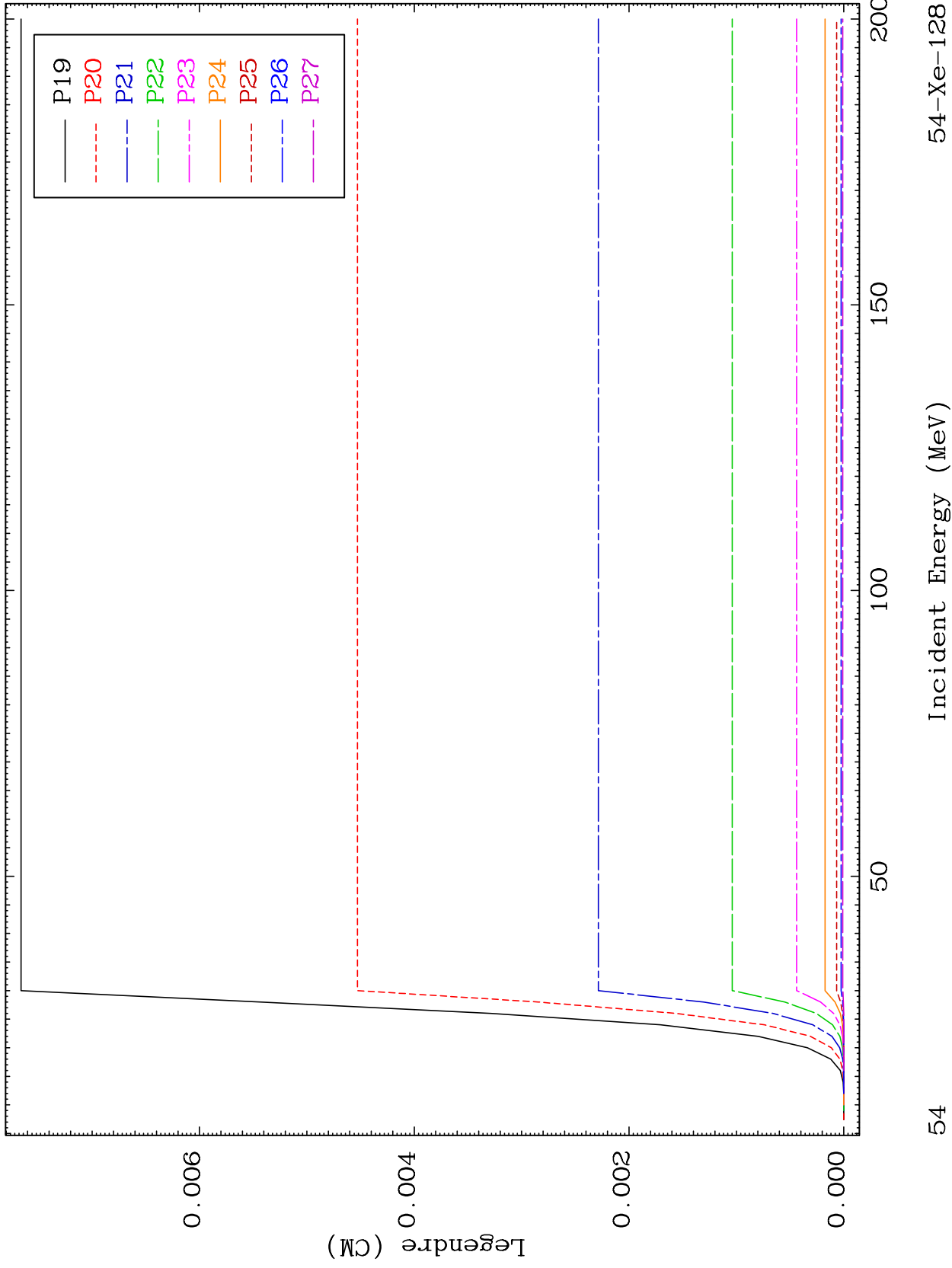
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



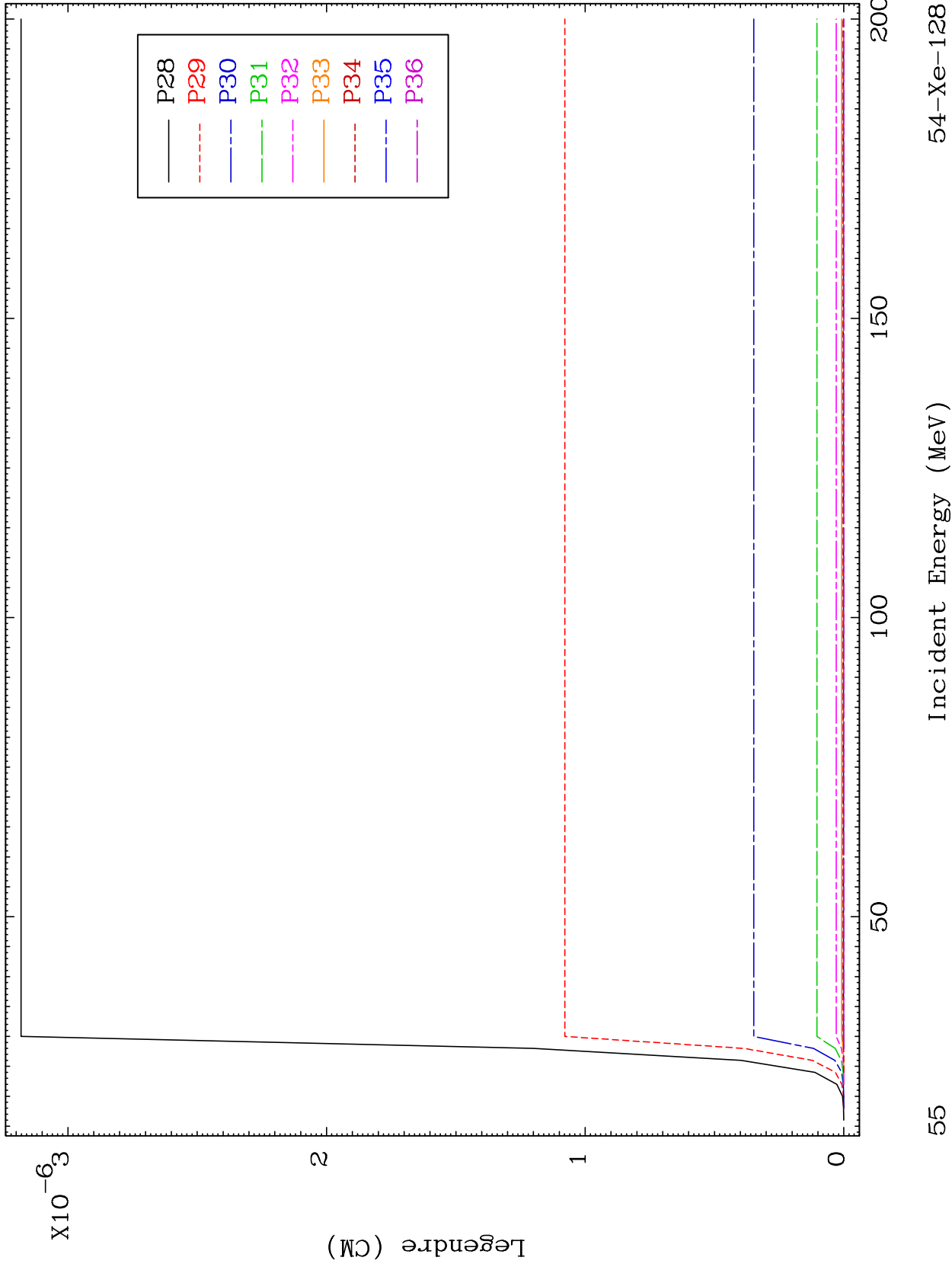
54

54-Xe-128

MAT 5437

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

54-Xe-128



55

Incident Energy (MeV)

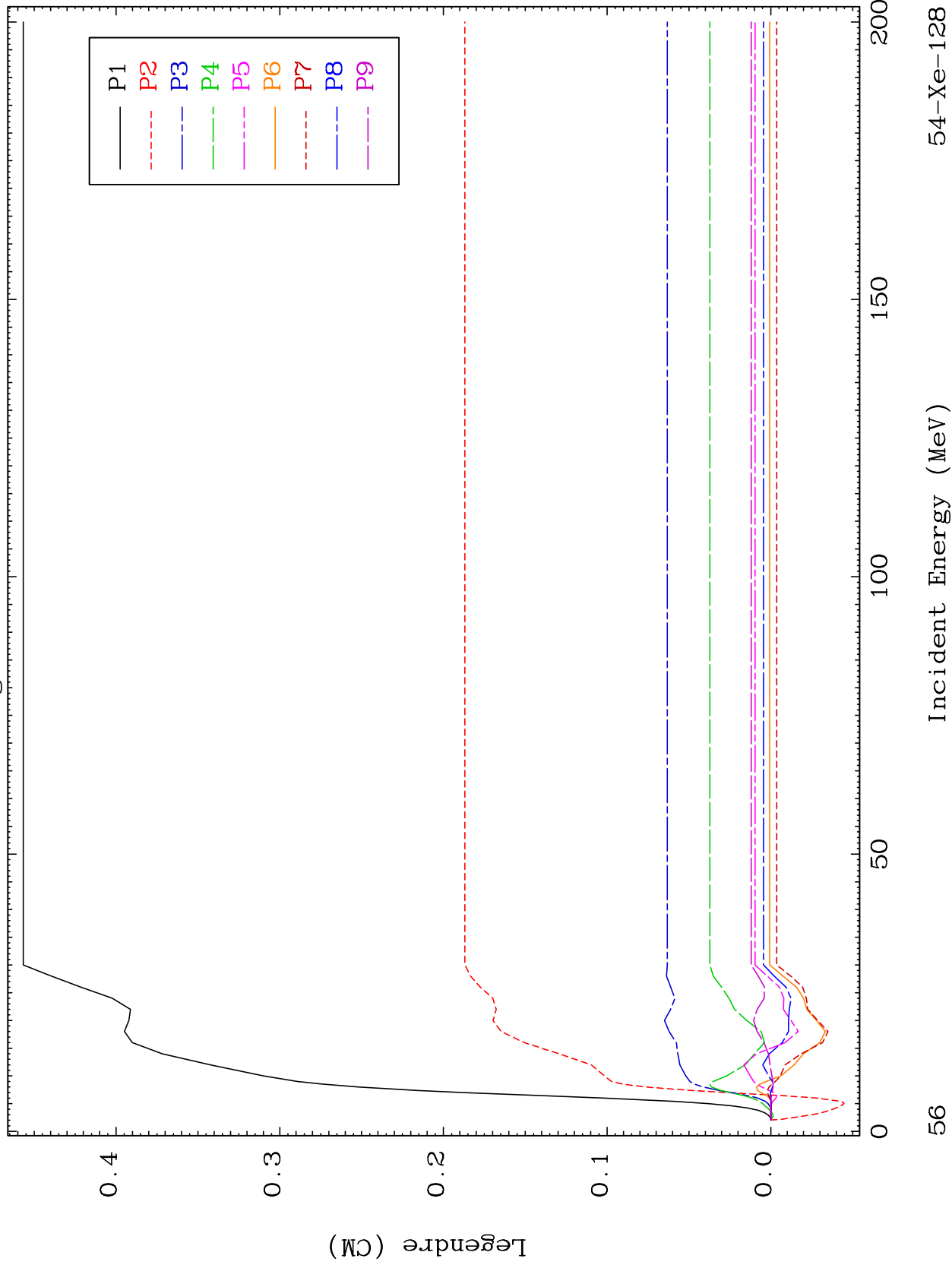
54-Xe-128



MAT 5437

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

54-Xe-128



54-Xe-128

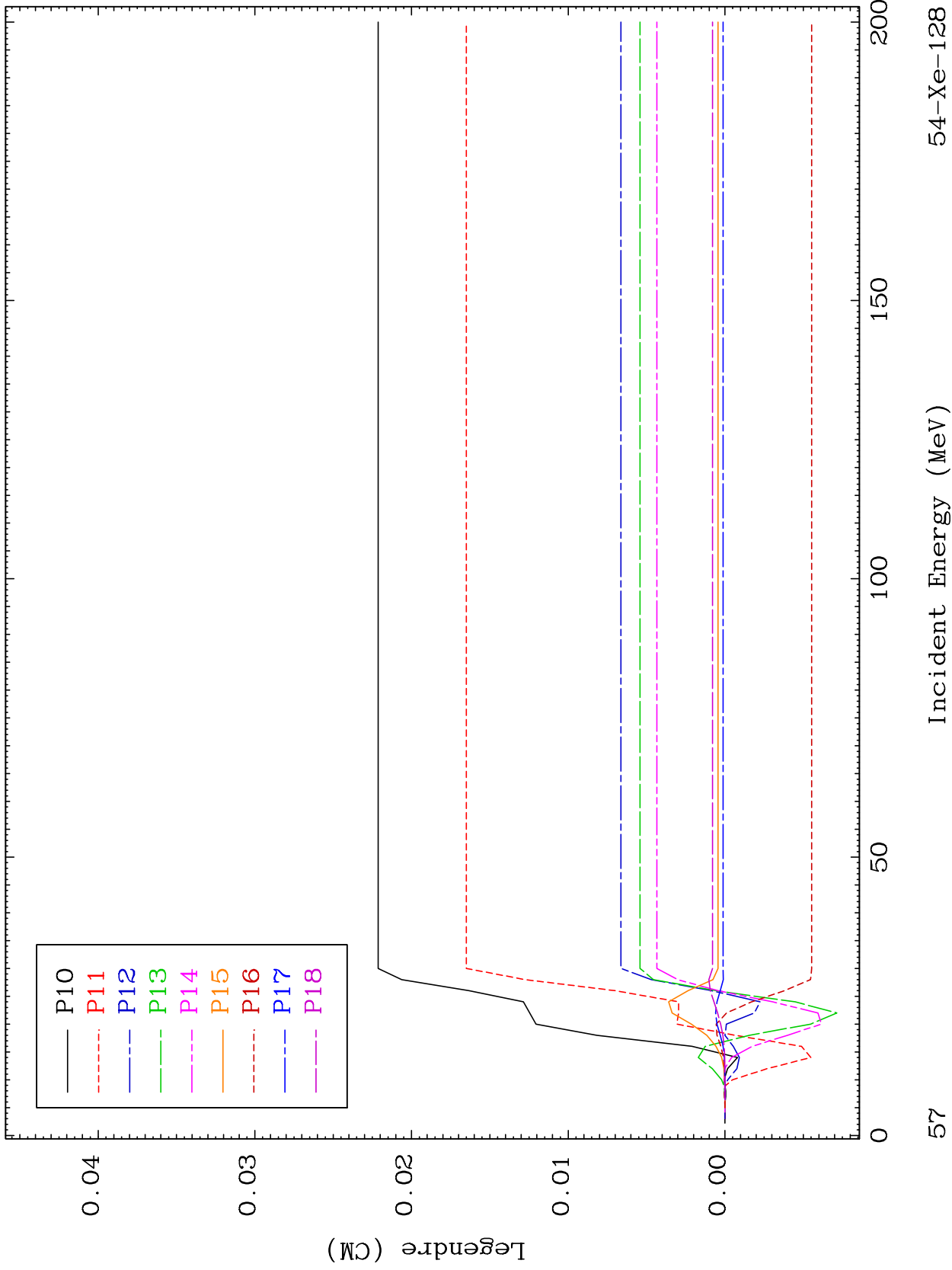
Incident Energy (MeV)

56

MAT 5437

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

54-Xe-128



57

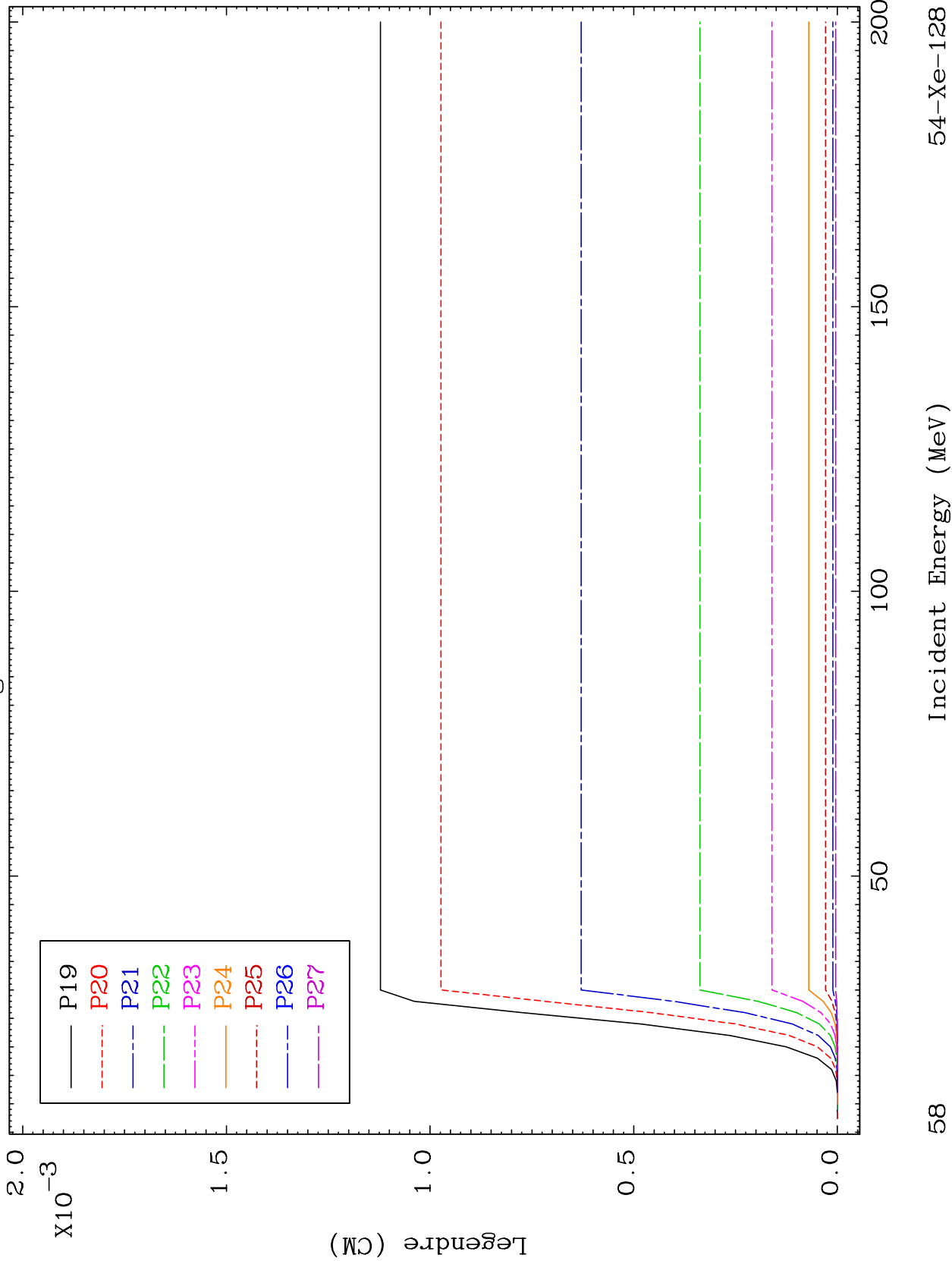
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



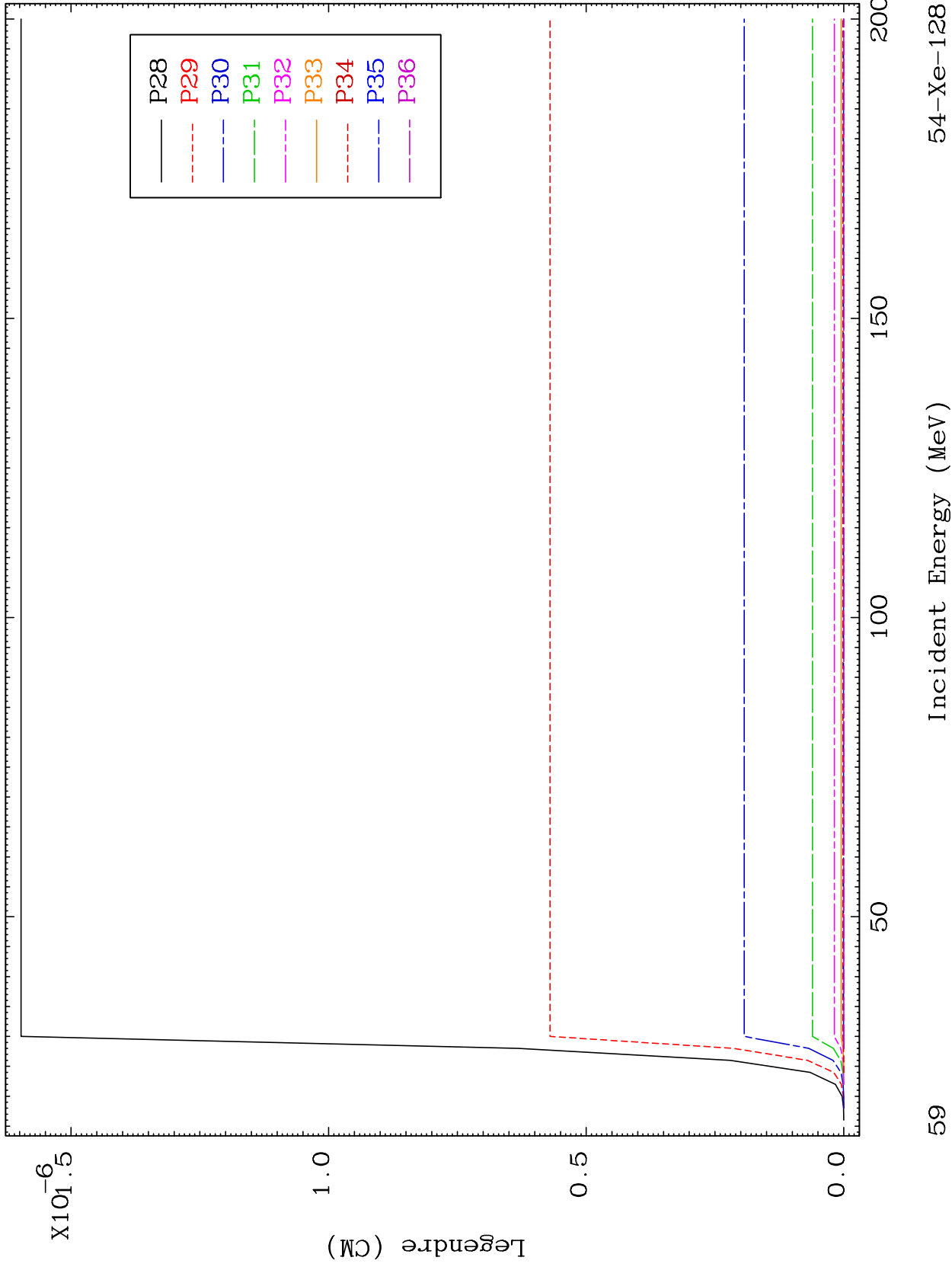
58

54-Xe-128

MAT 5437

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

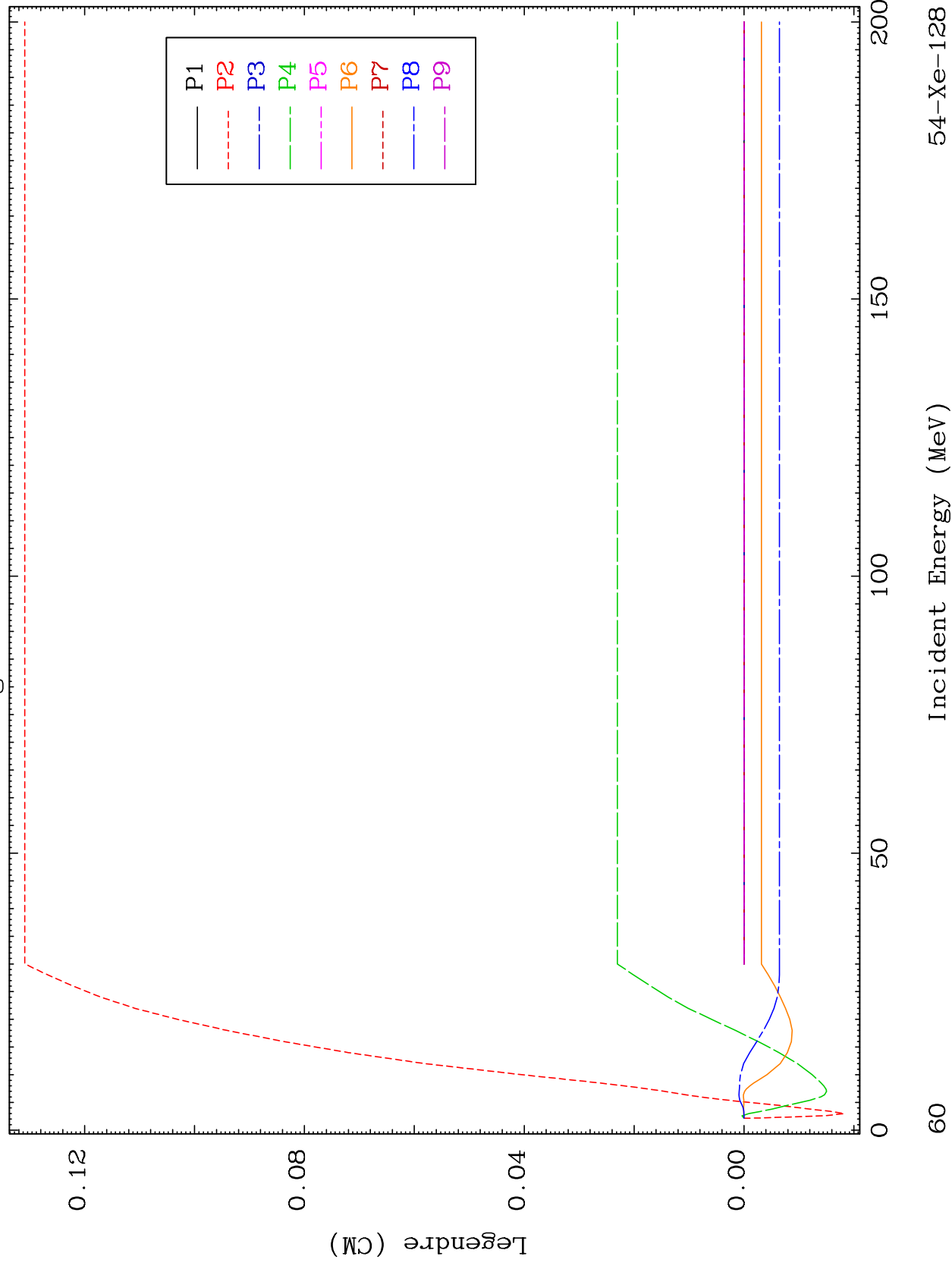
54-Xe-128



MAT 5437

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

54-Xe-128

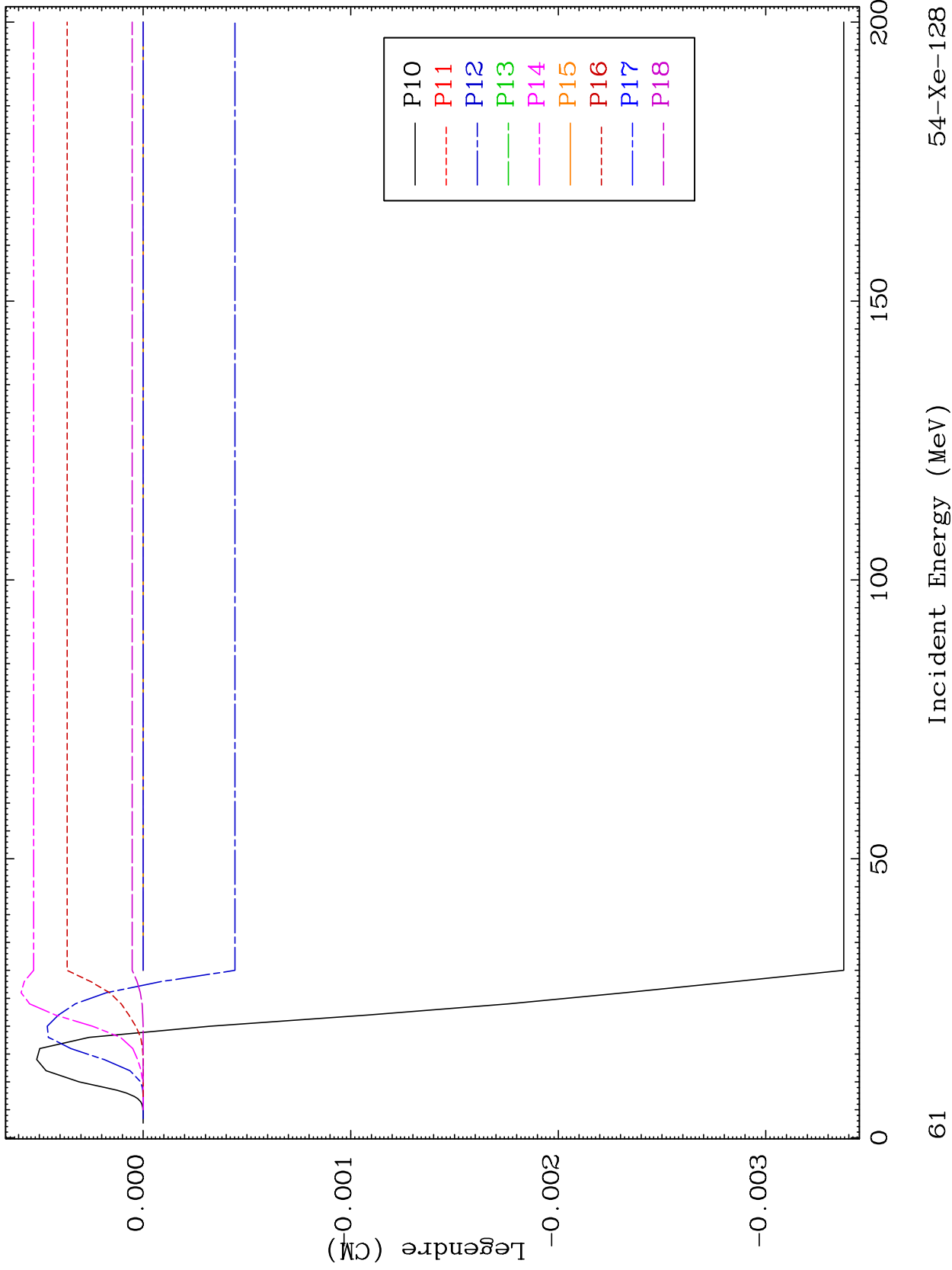


54-Xe-128

MAT 5437

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

54-Xe-128



61

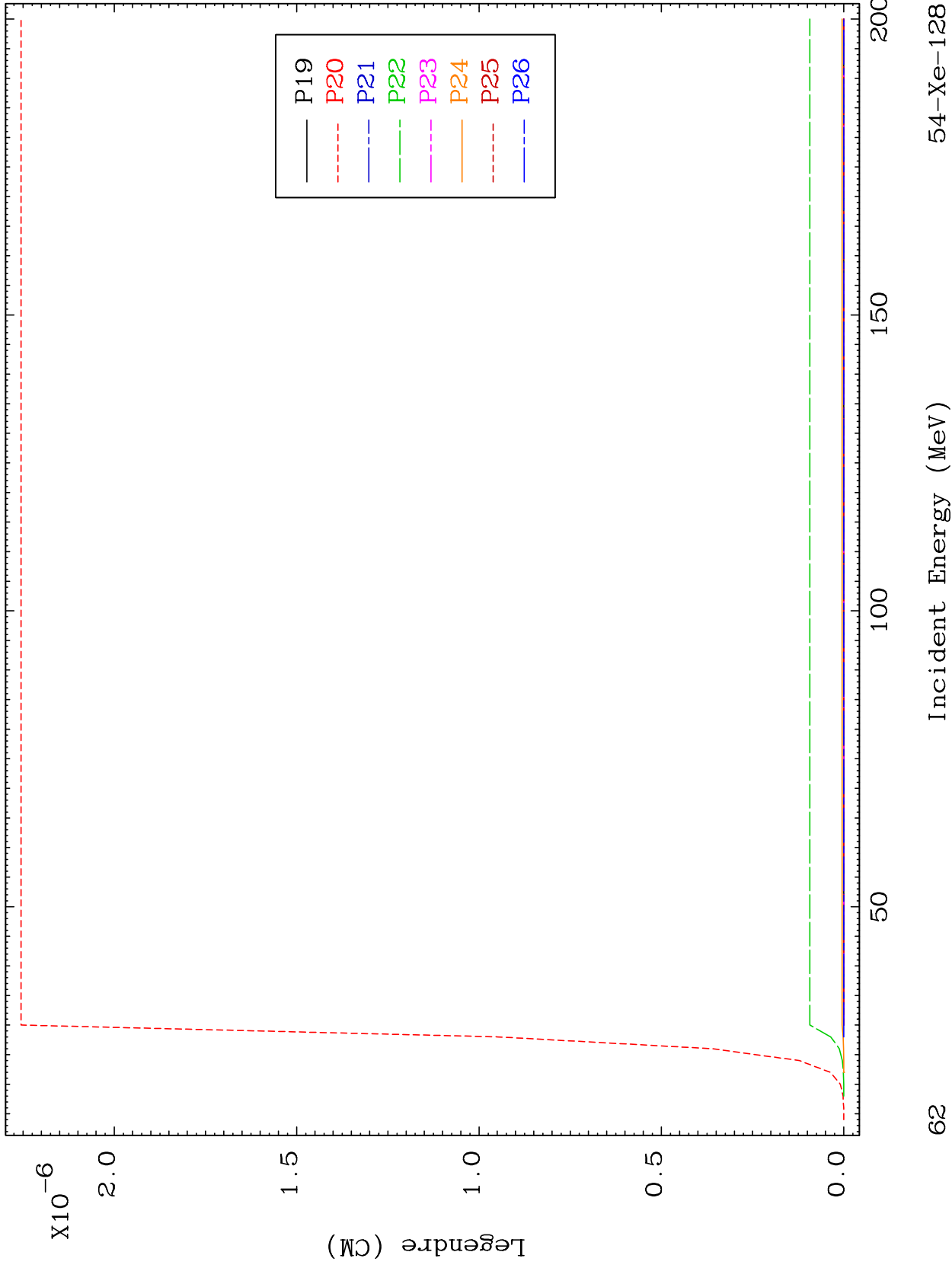
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



54-Xe-128

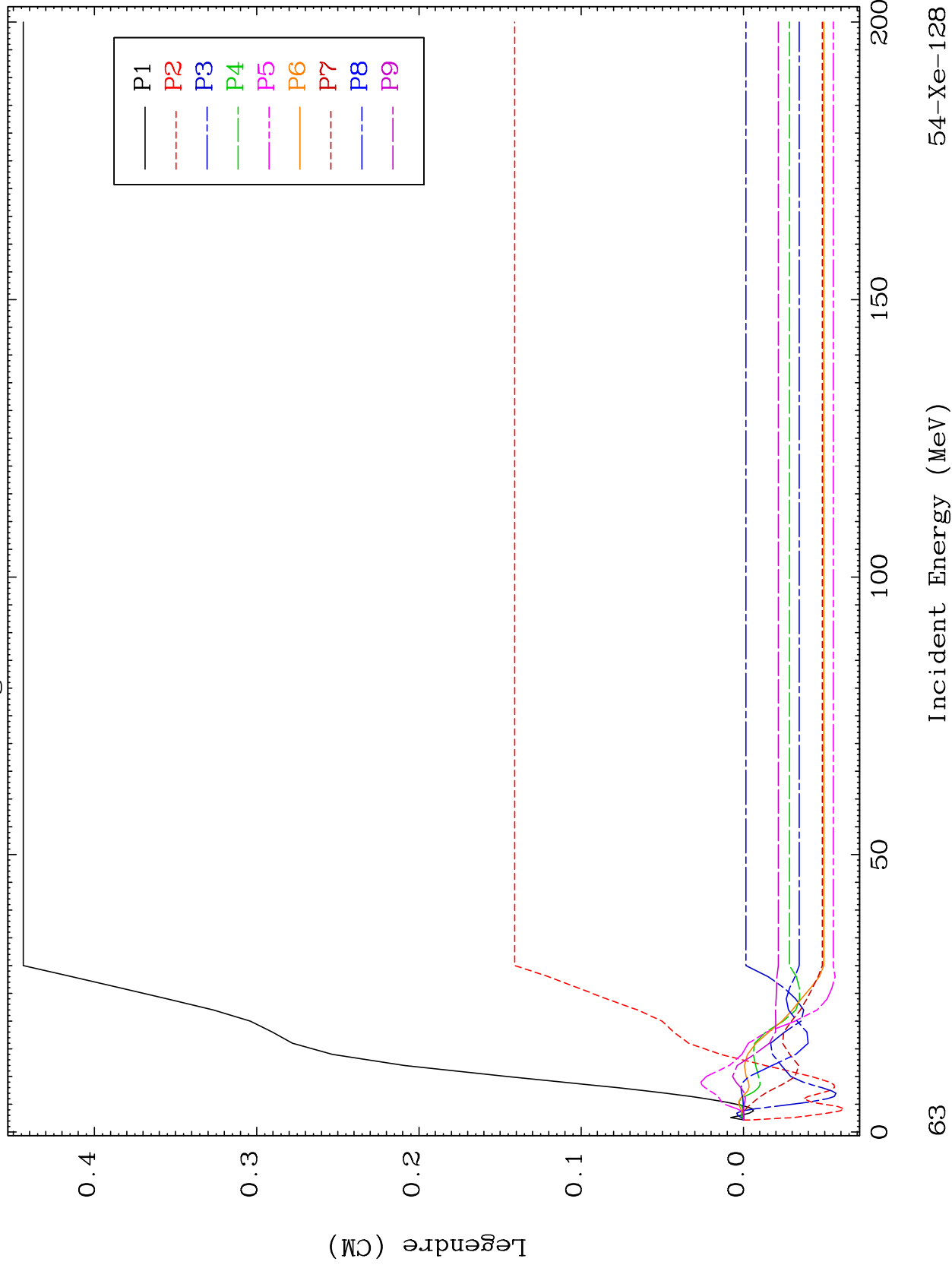
Incident Energy (MeV)

62

MAT 5437

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

54-Xe-128



54-Xe-128

Incident Energy (MeV)

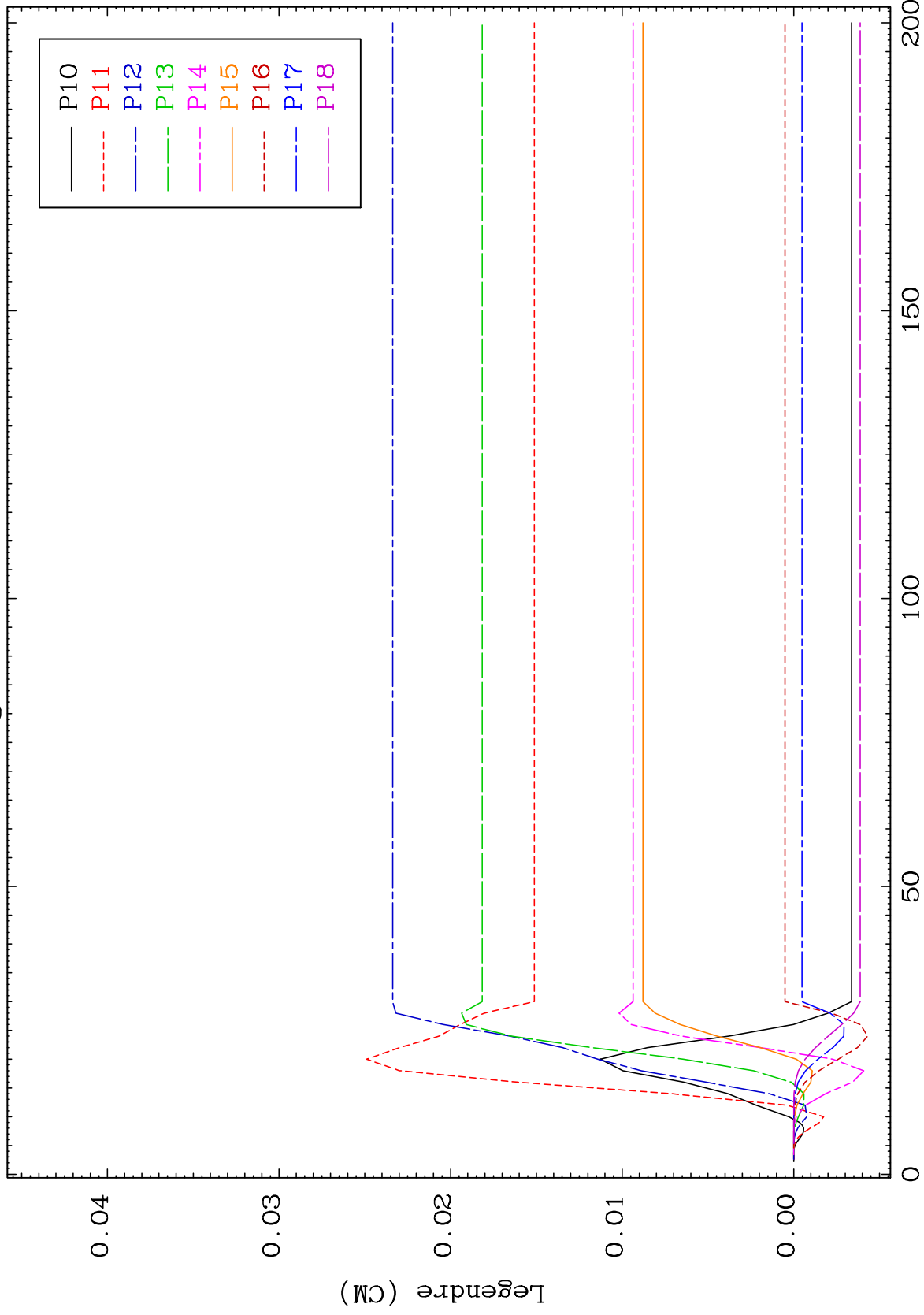
63



MAT 5437

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

54-Xe-128



64

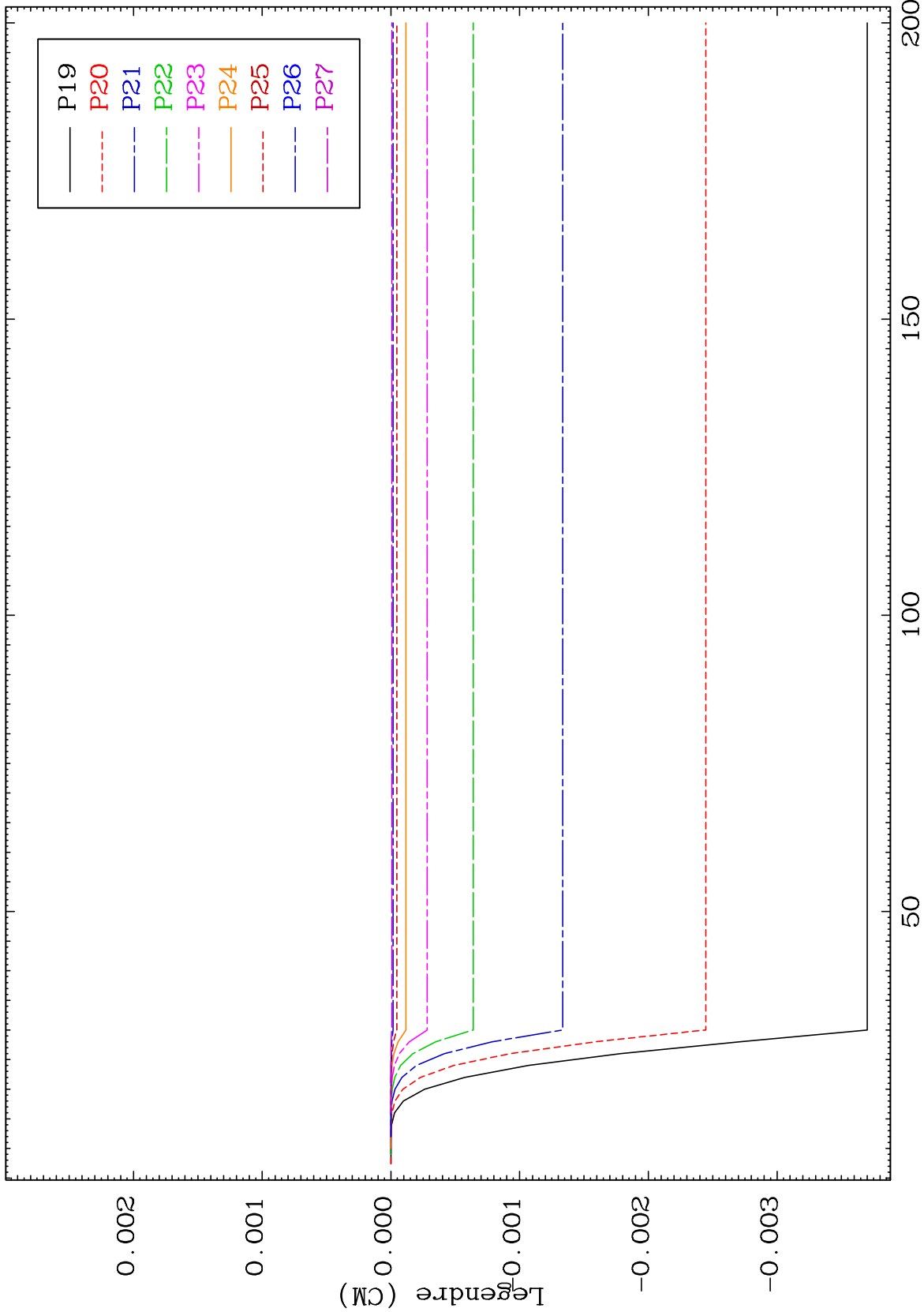
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



65

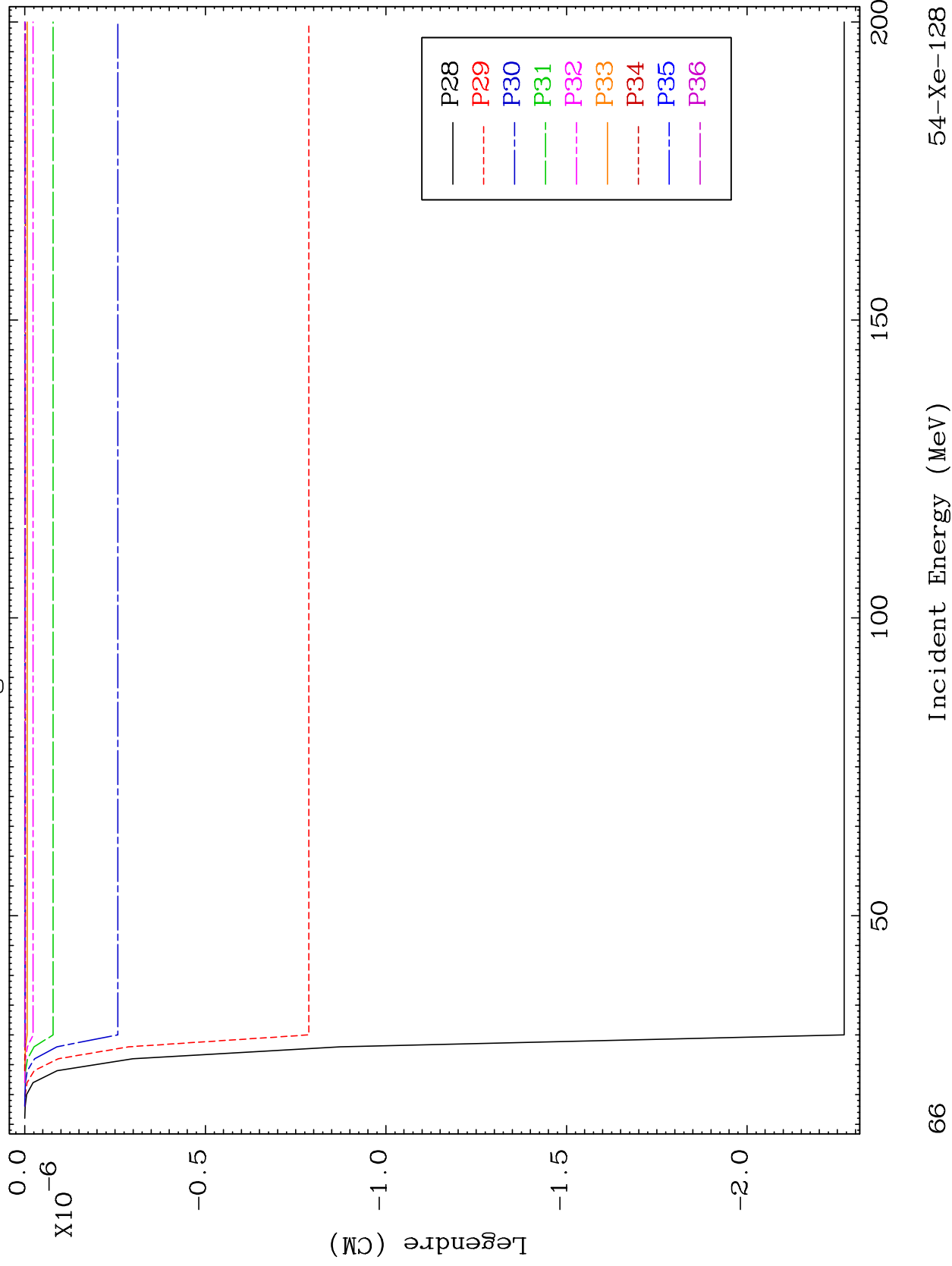
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



66

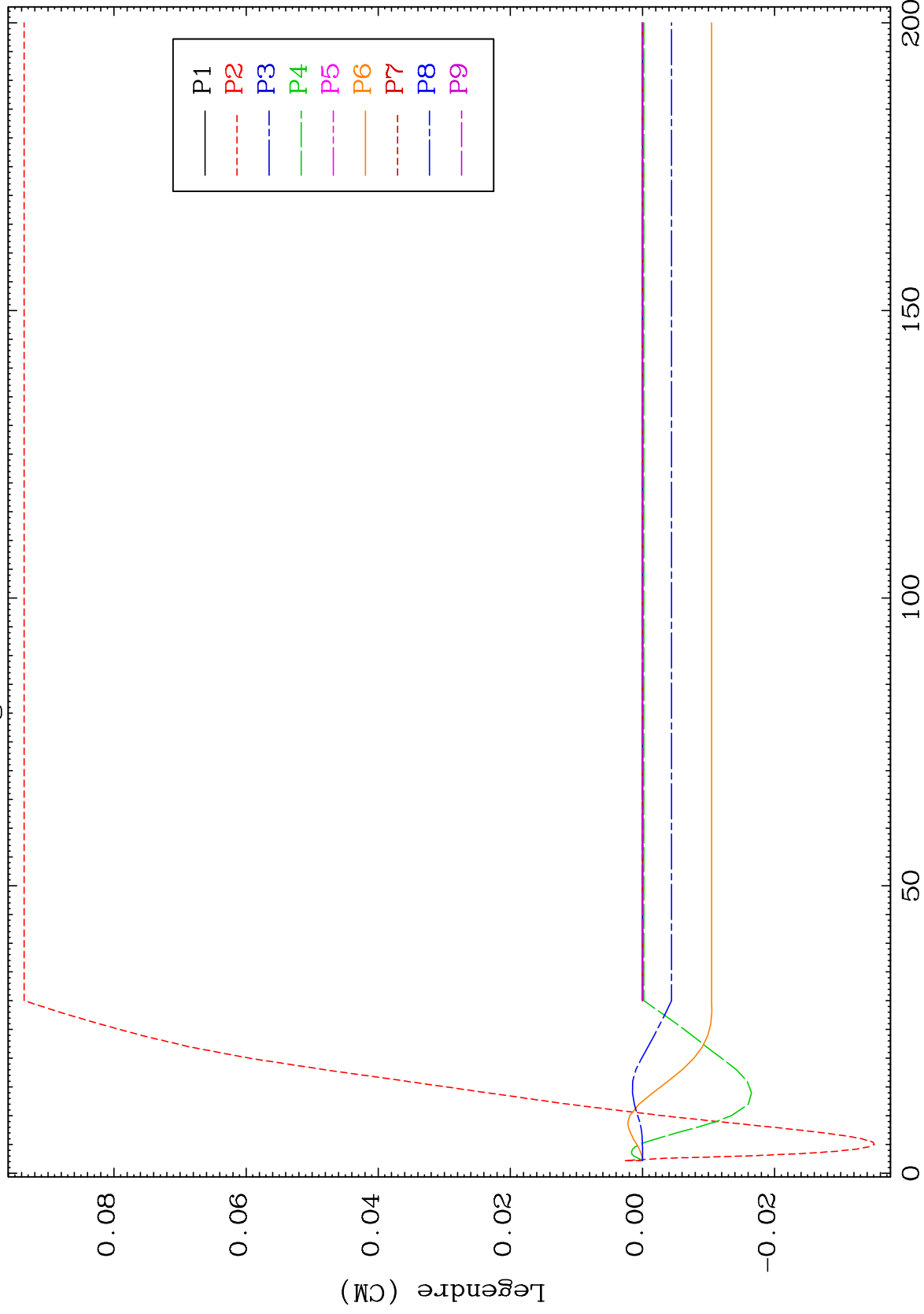
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



54-Xe-128

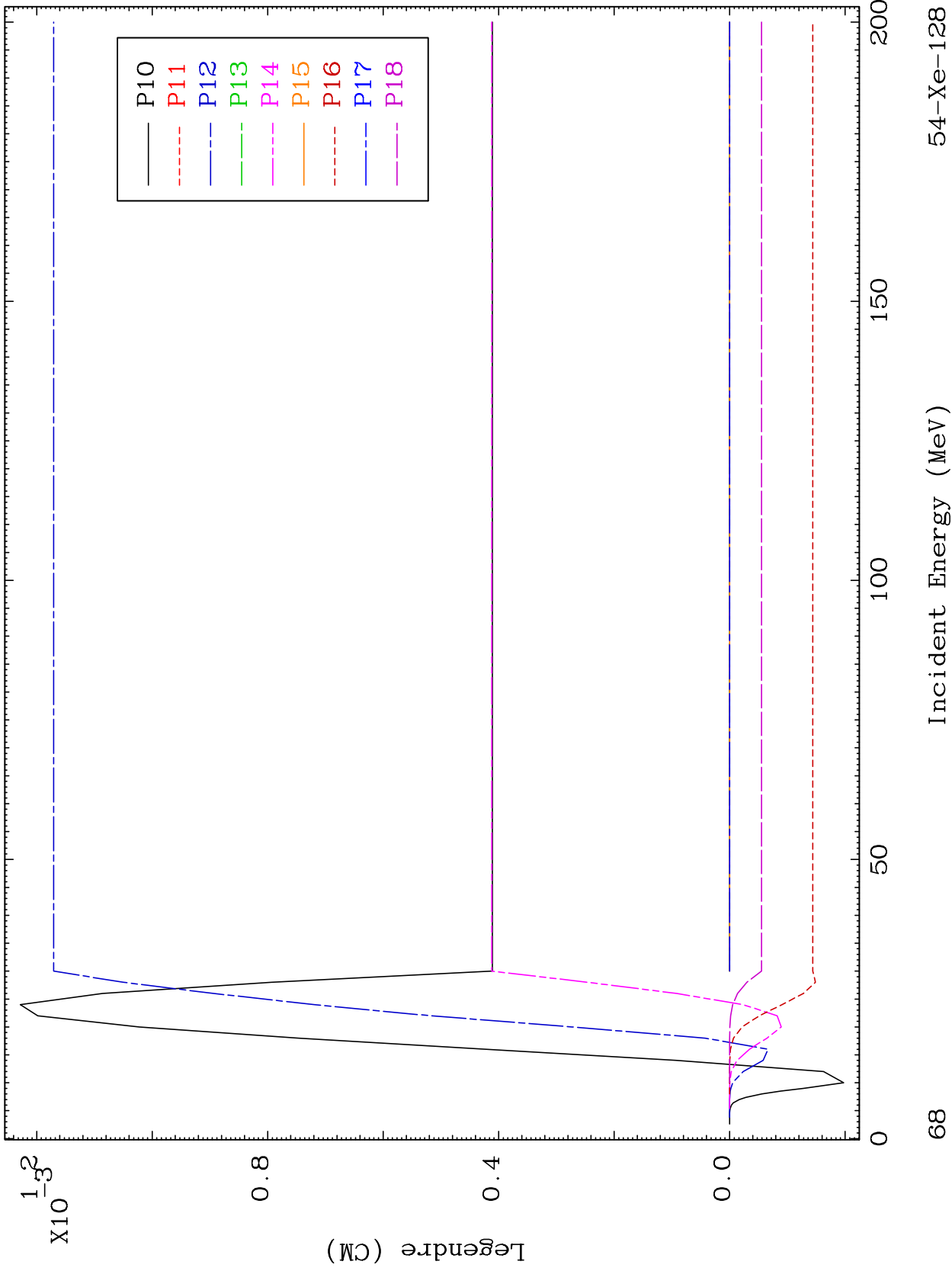
Incident Energy (MeV)

67

MAT 5437

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

54-Xe-128



68

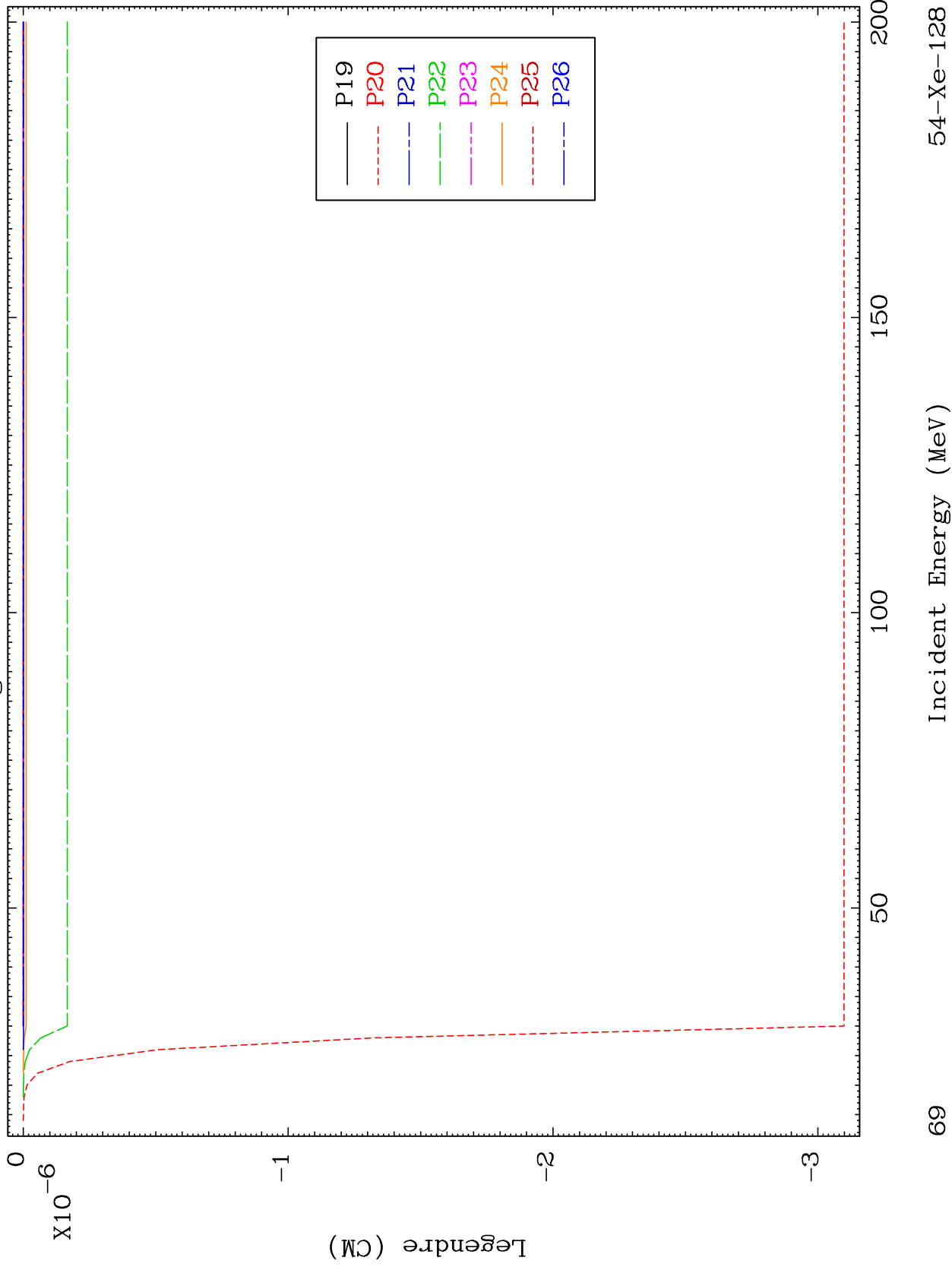
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



69

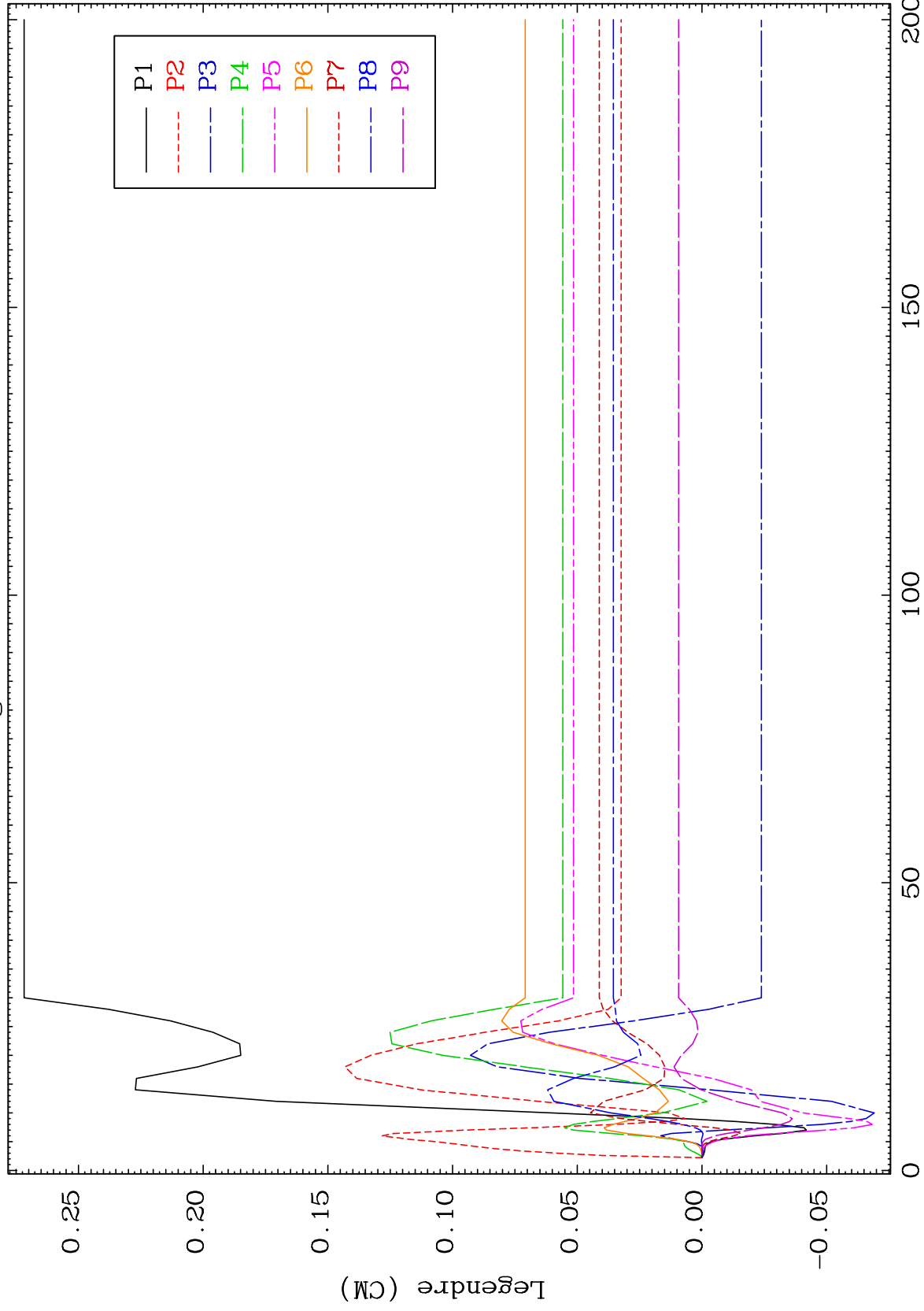
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



54-Xe-128

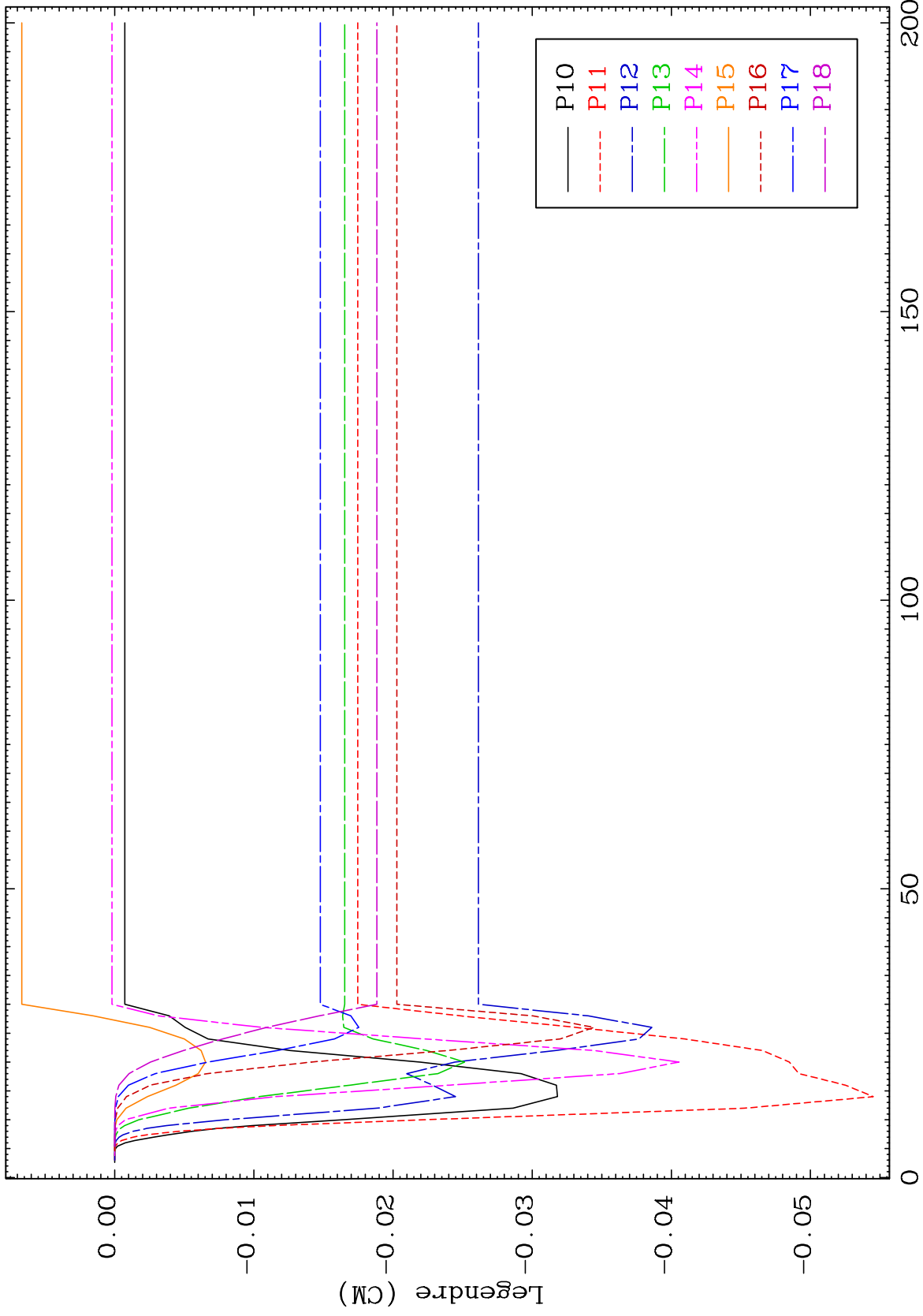
Incident Energy (MeV)

70

MAT 5437

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

54-Xe-128



71

Incident Energy (MeV)

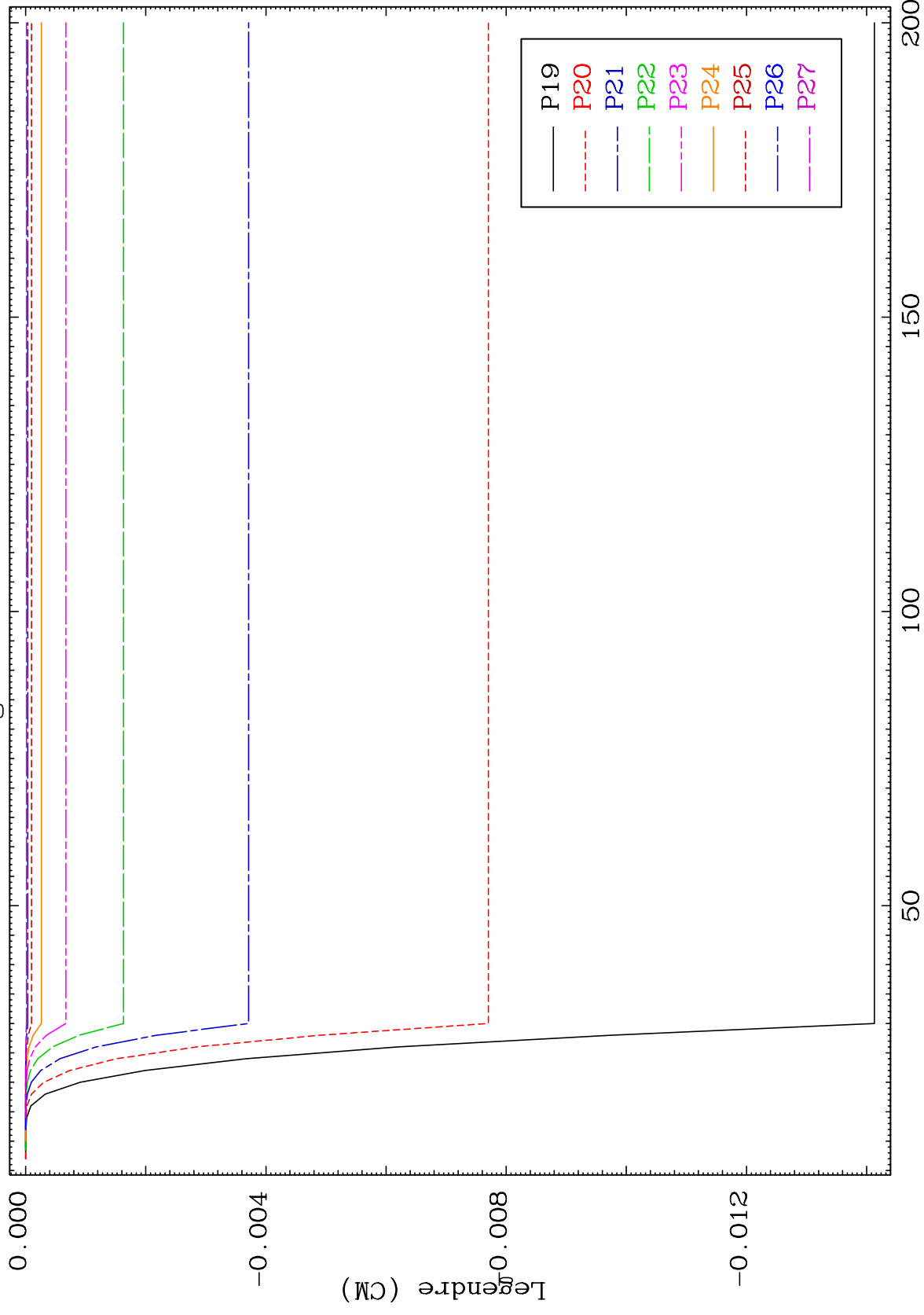
54-Xe-128



MAT 5437

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

54-Xe-128



72

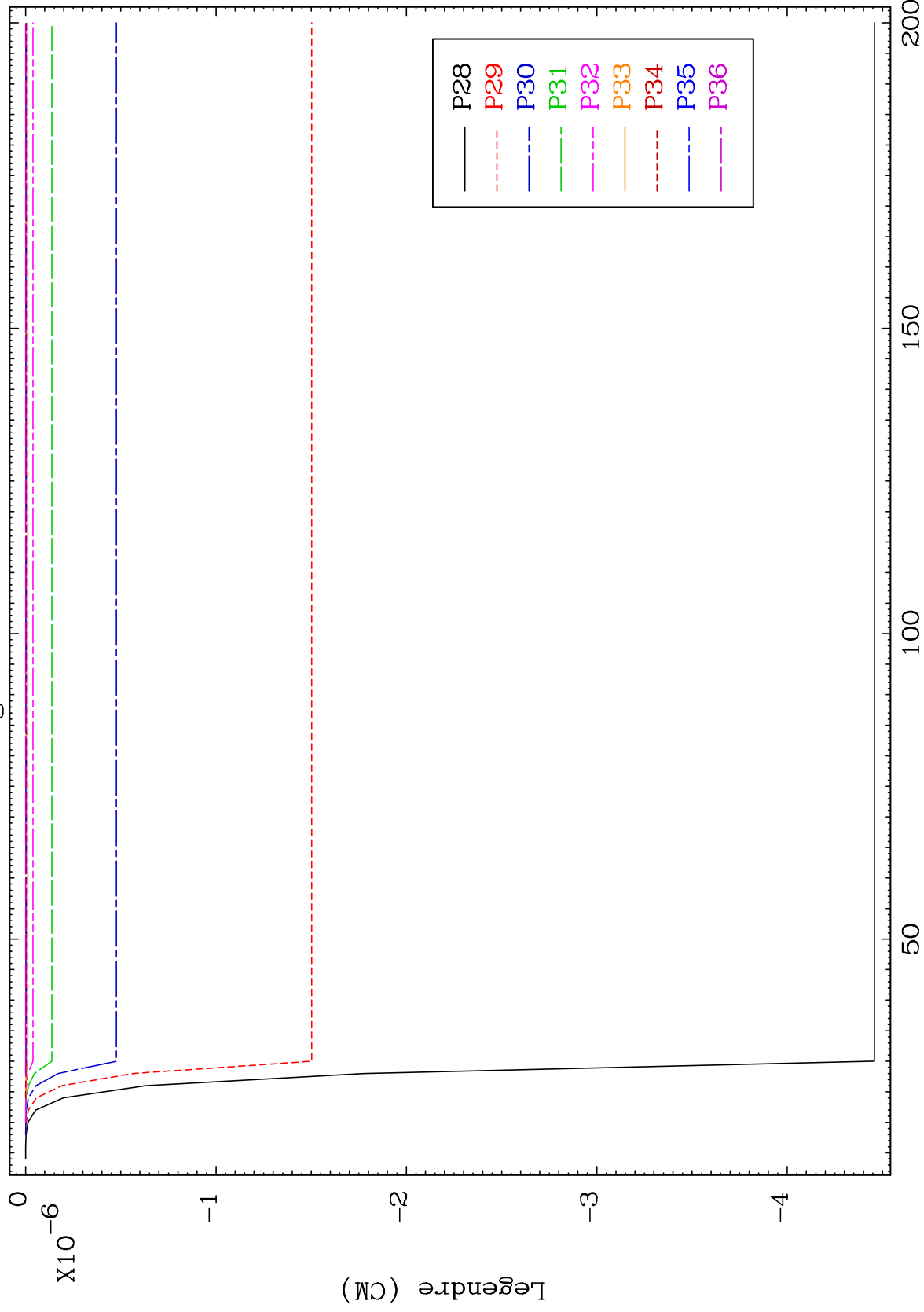
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



73

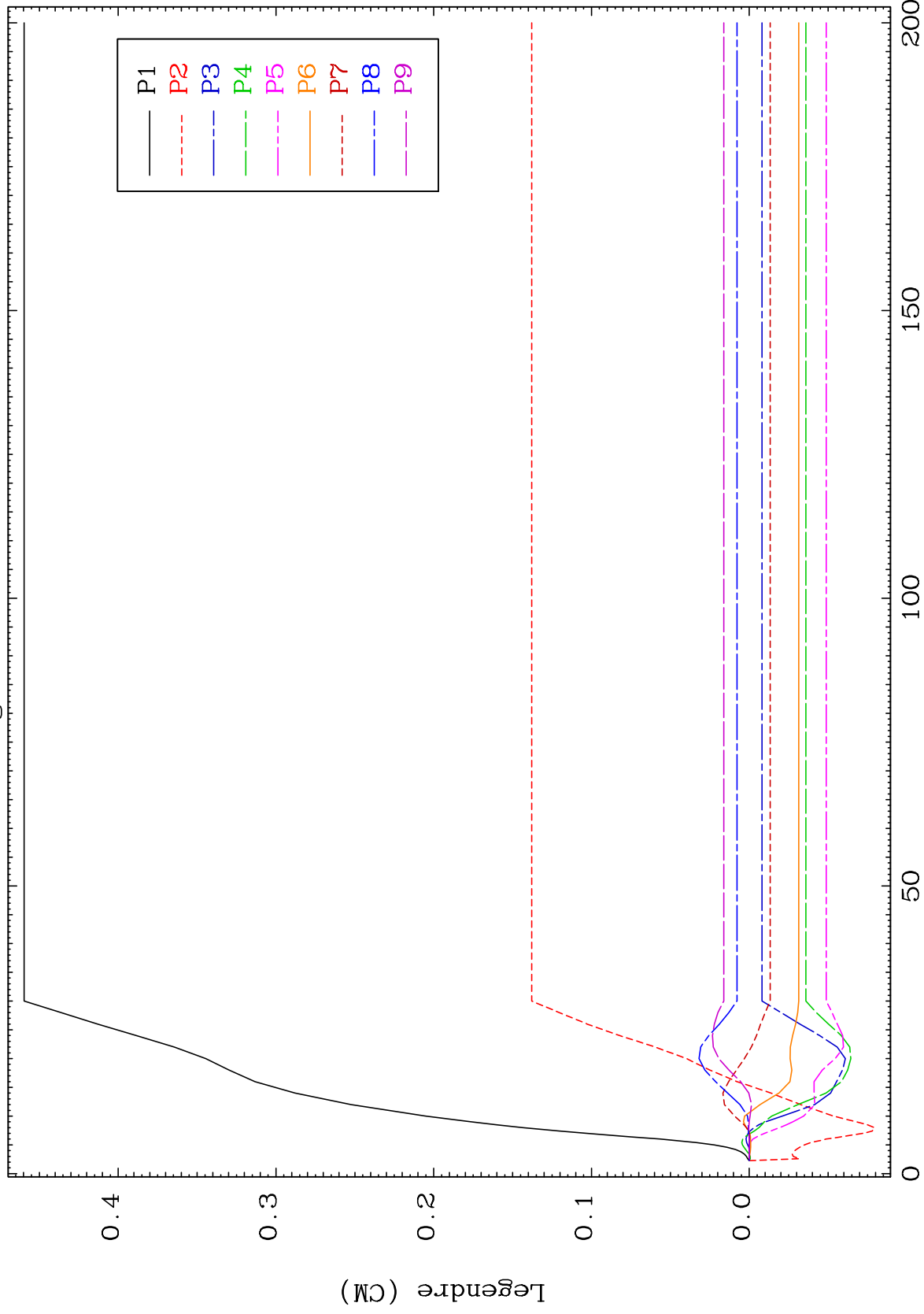
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



74

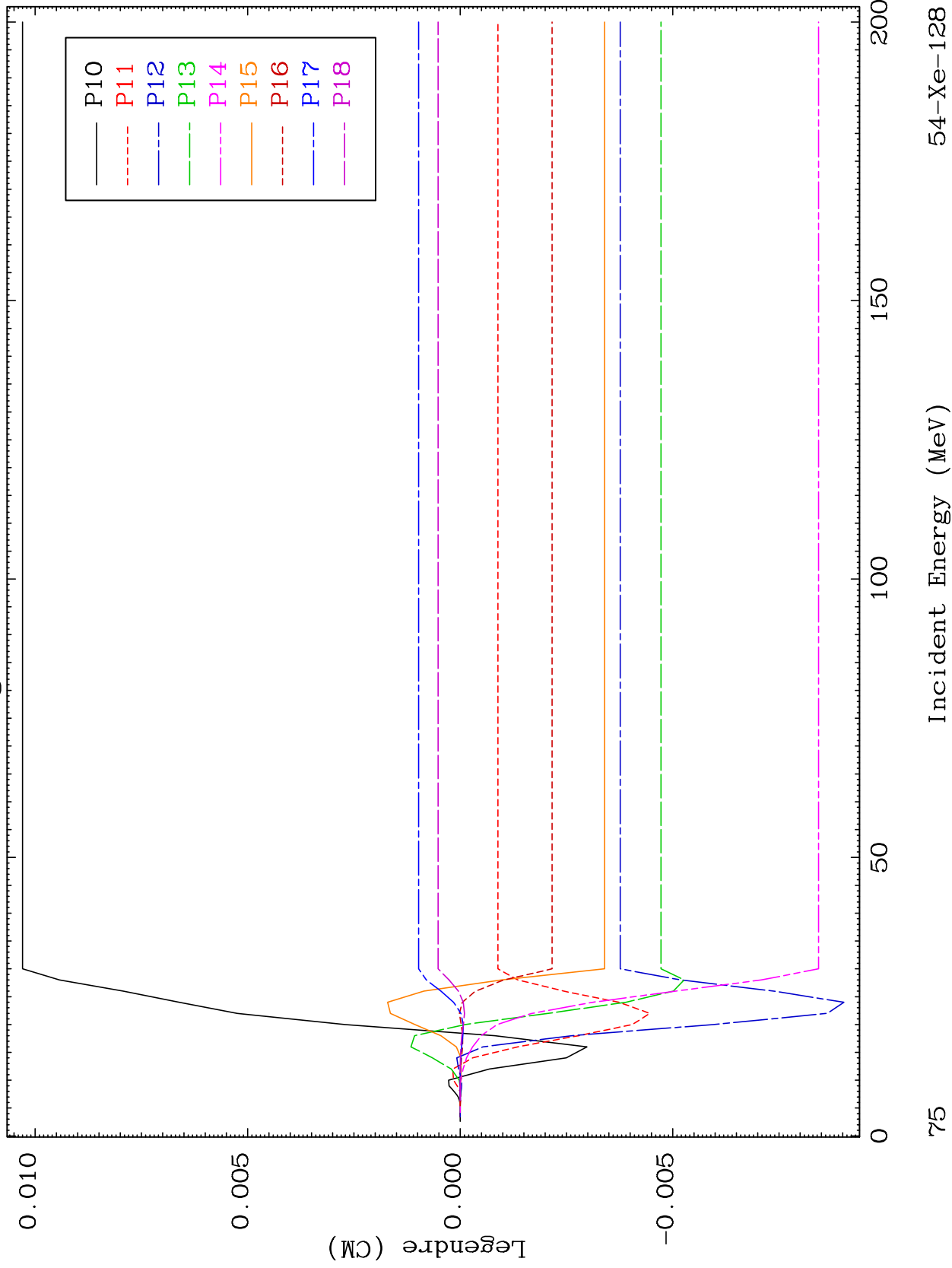
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



75

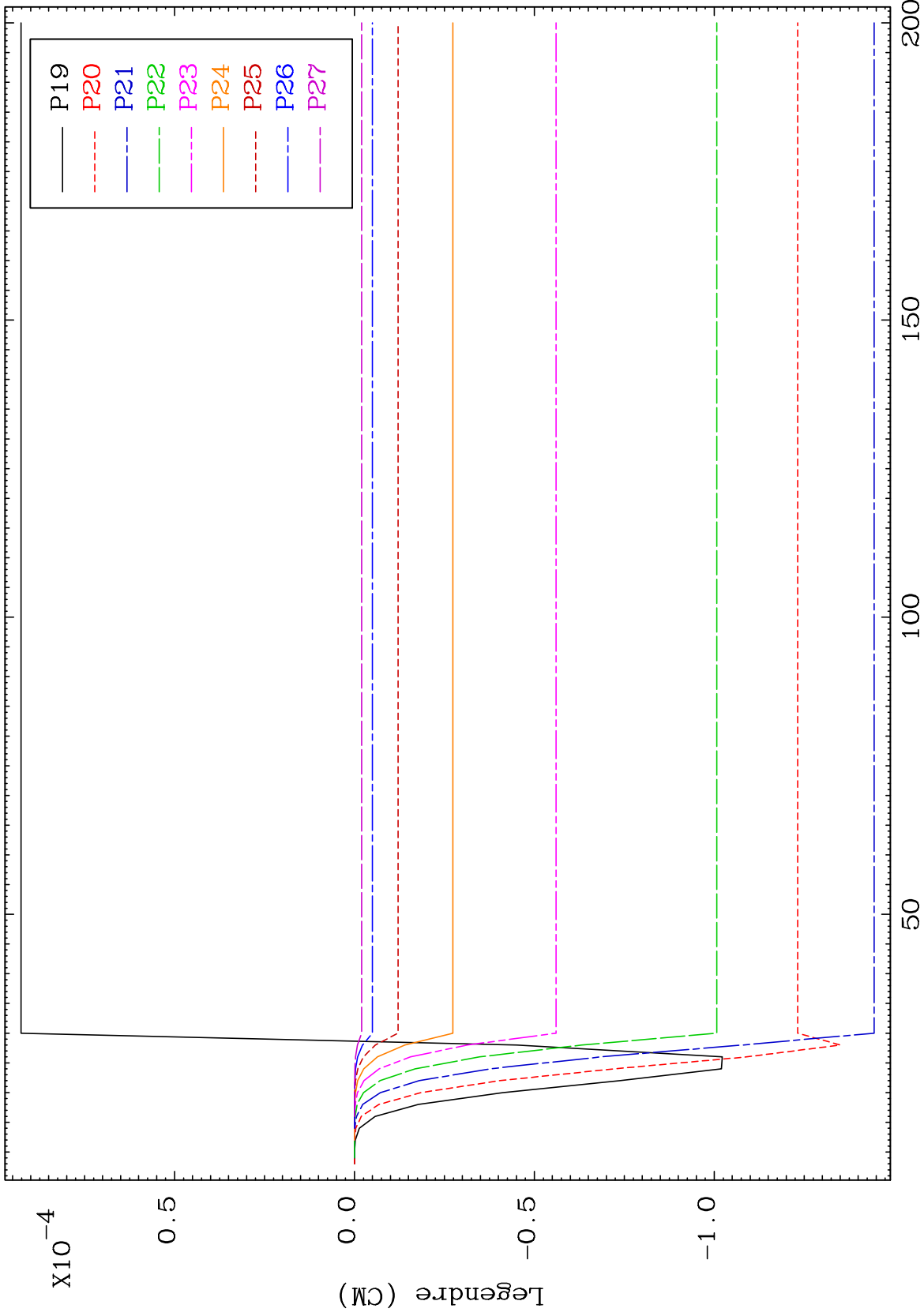
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



76

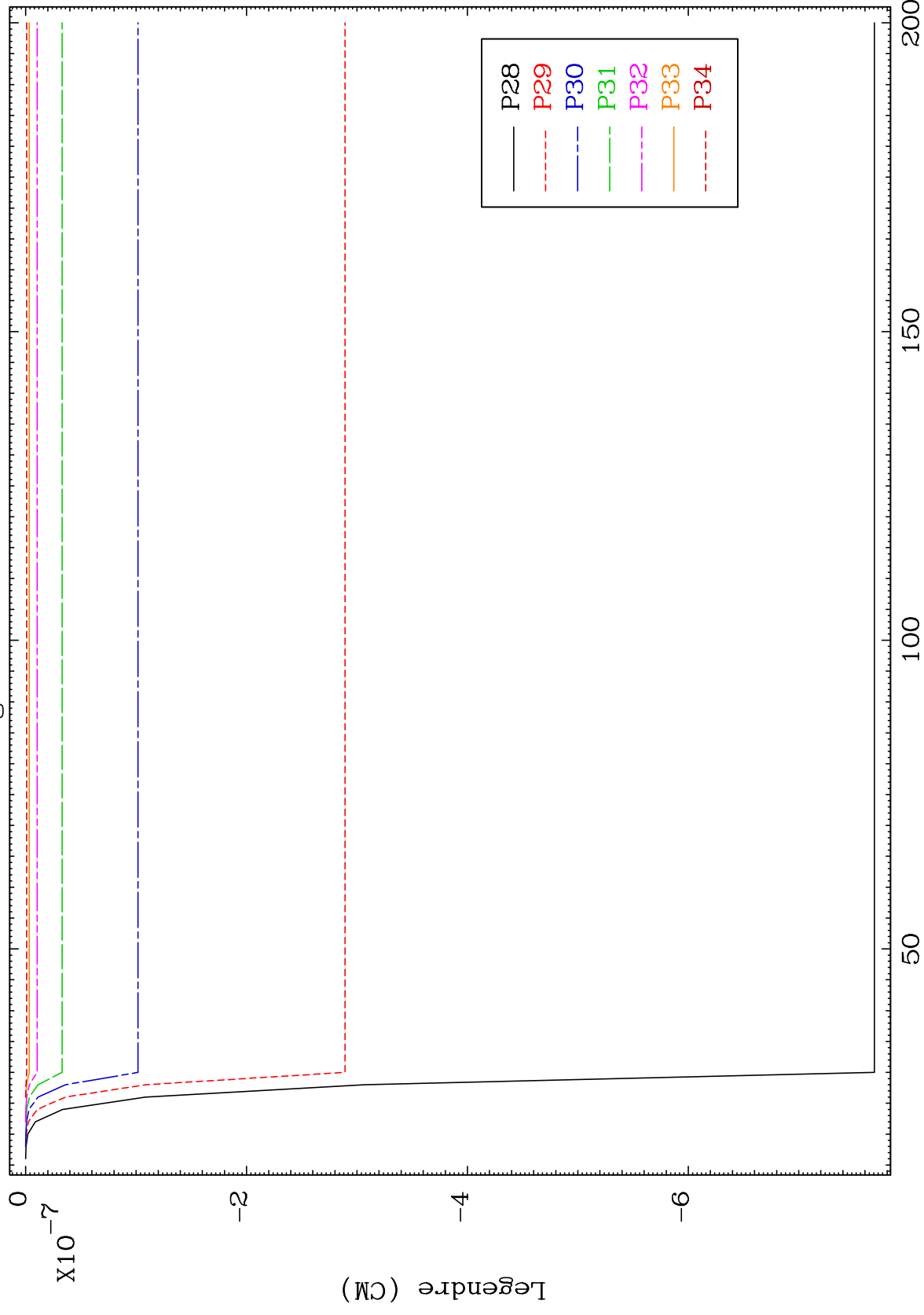
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



77

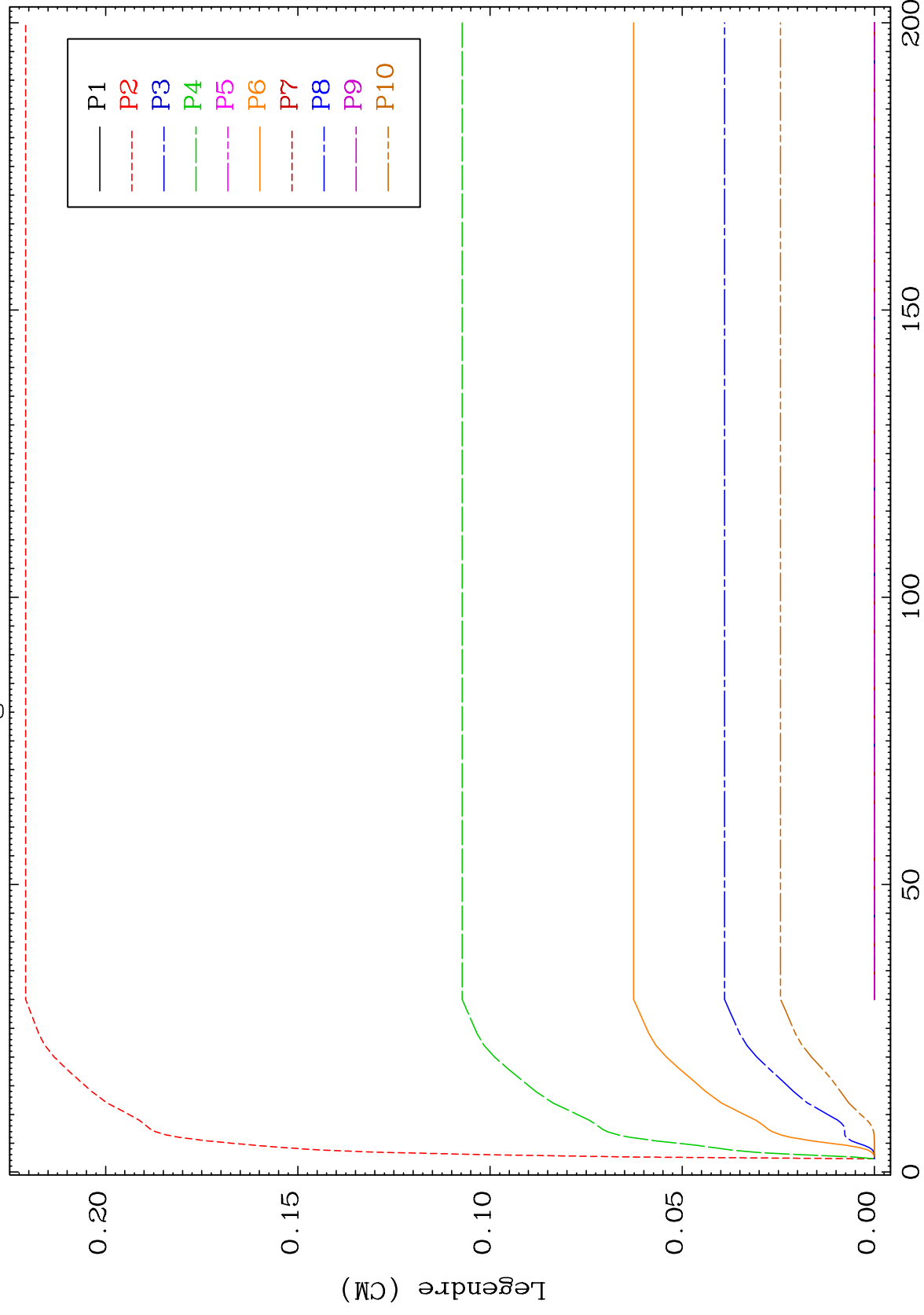
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

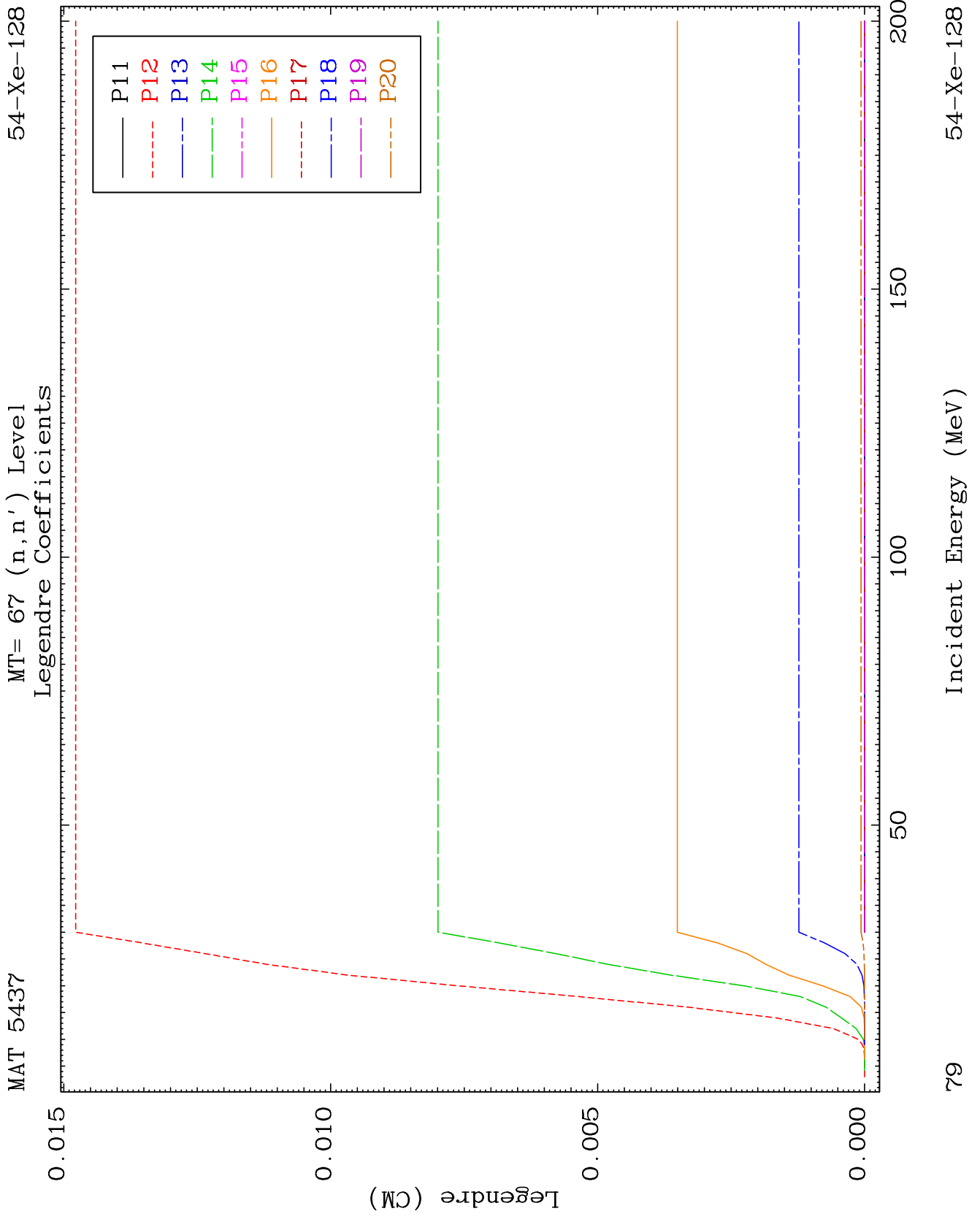
54-Xe-128



78

Incident Energy (MeV)

54-Xe-128

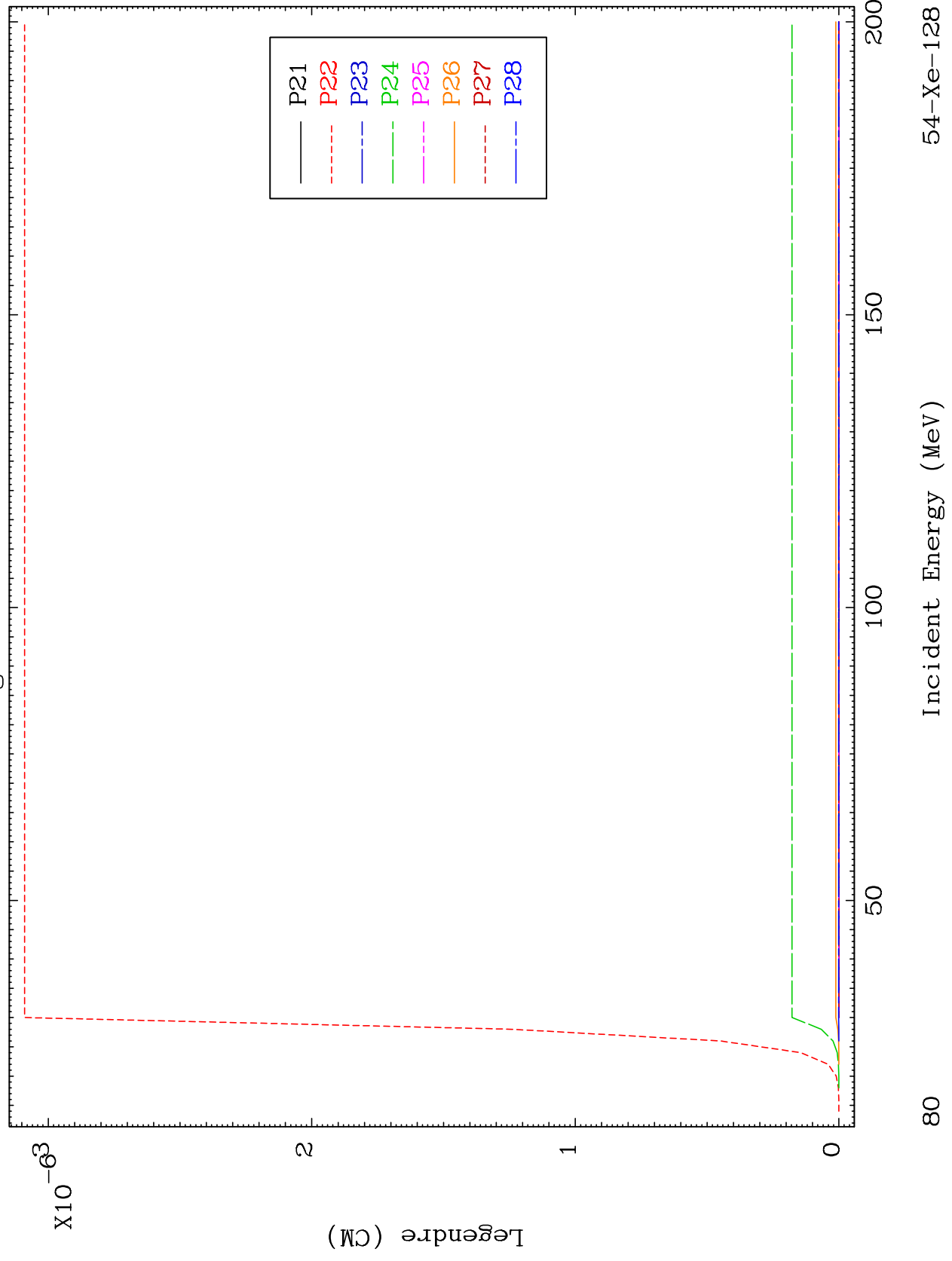




MAT 5437

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

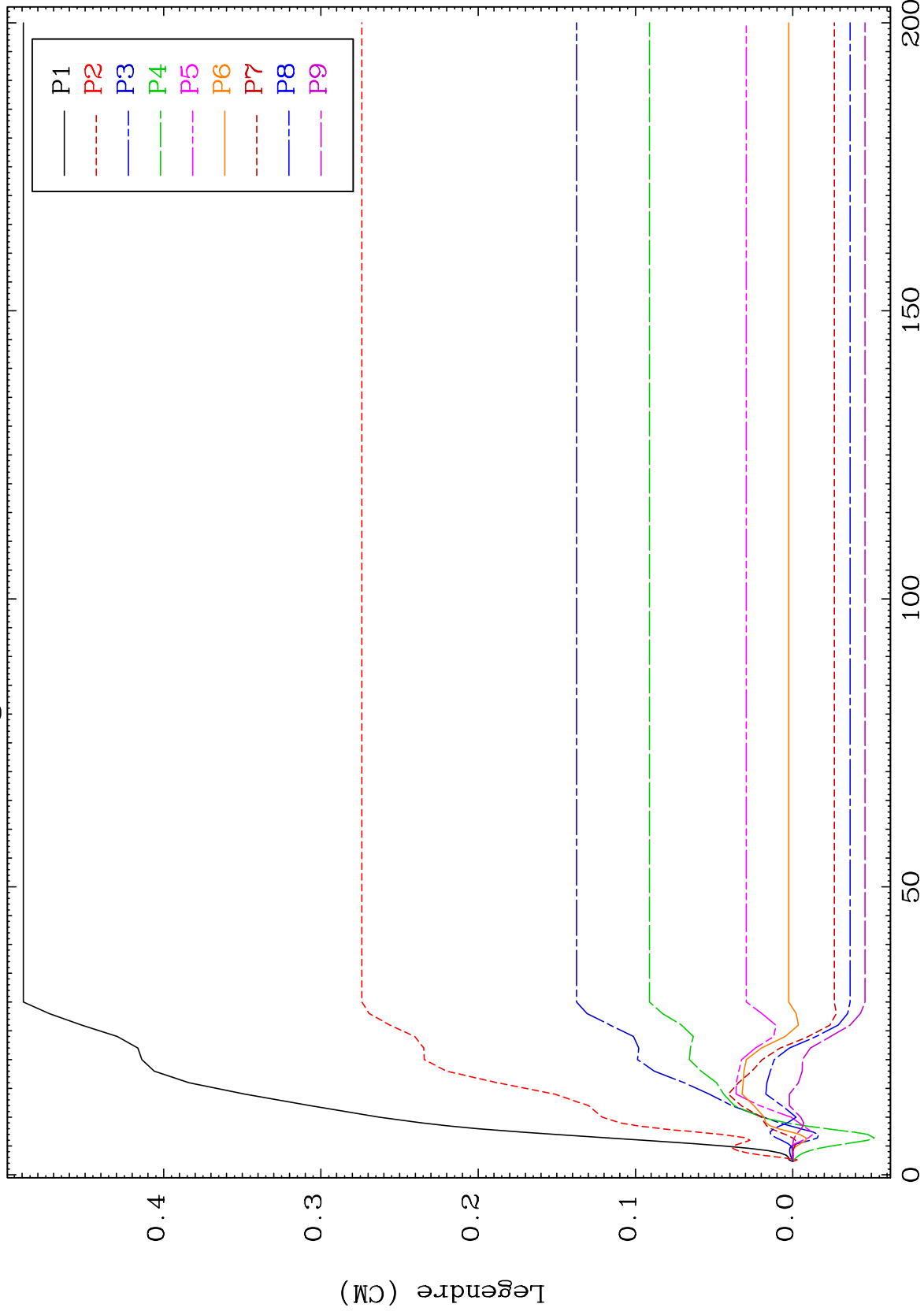
54-Xe-128



MAT 5437

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

54-Xe-128



54-Xe-128

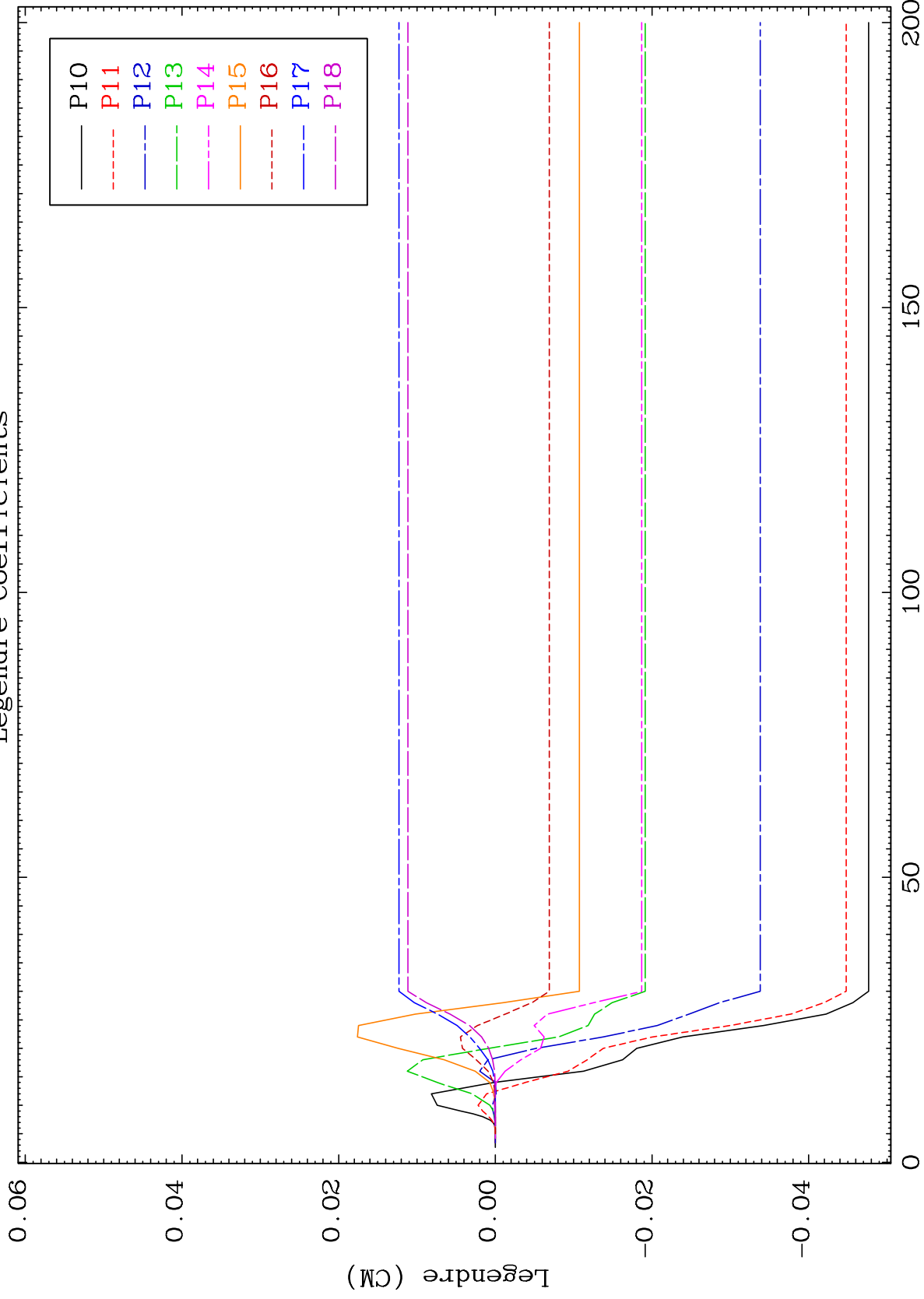
Incident Energy (MeV)

81

MAT 5437

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

54-Xe-128



82

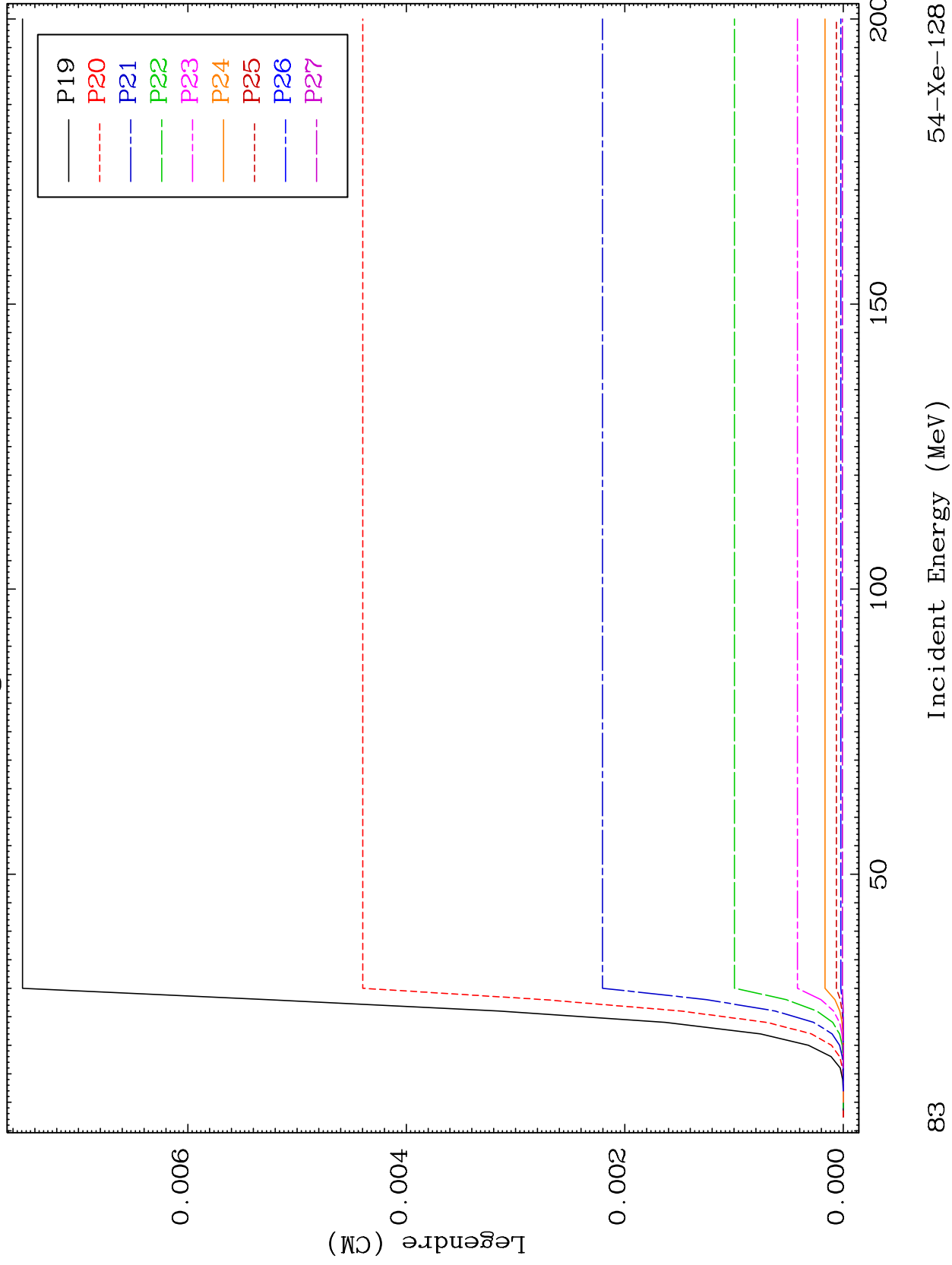
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



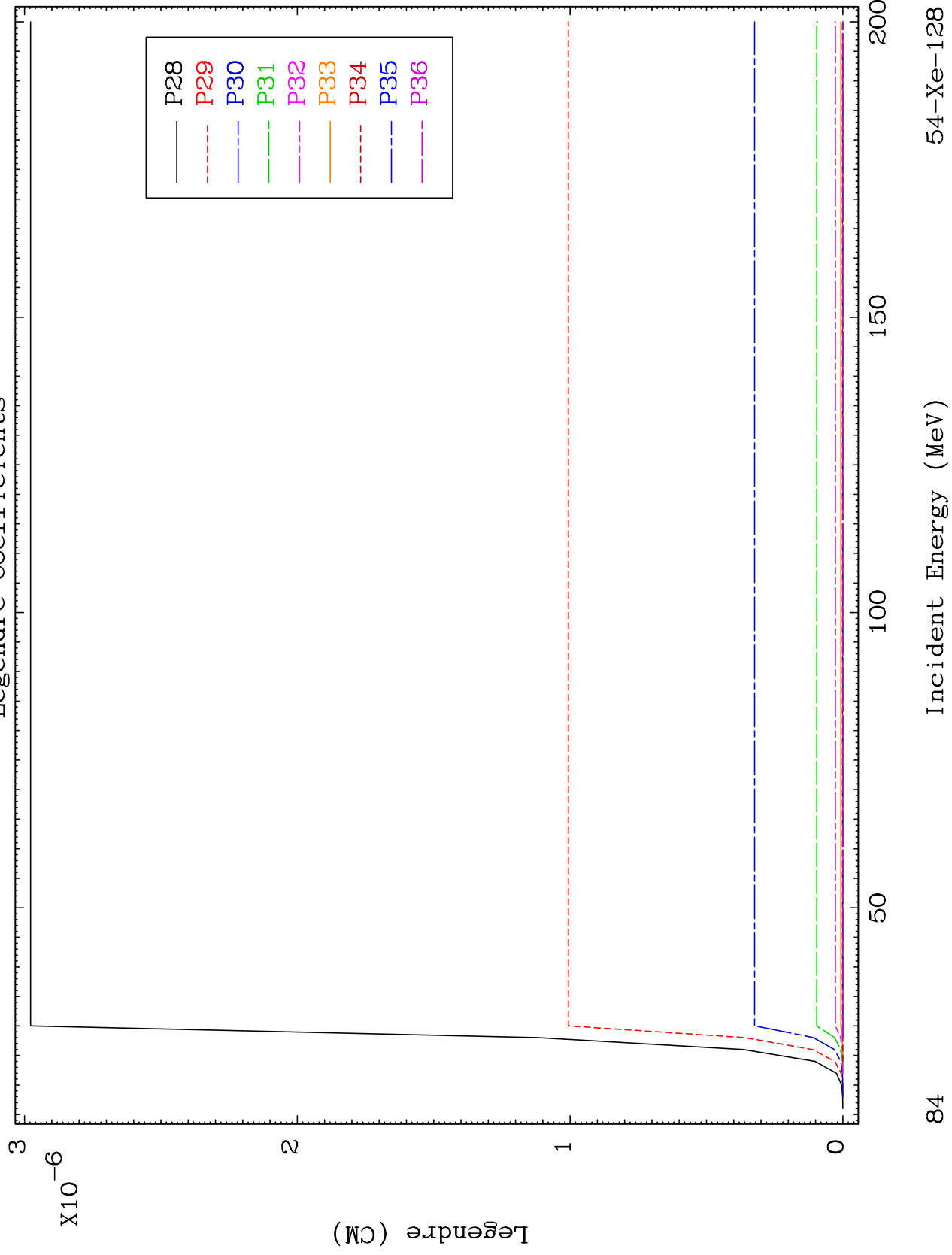
83

54-Xe-128

MAT 5437

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

54-Xe-128



84

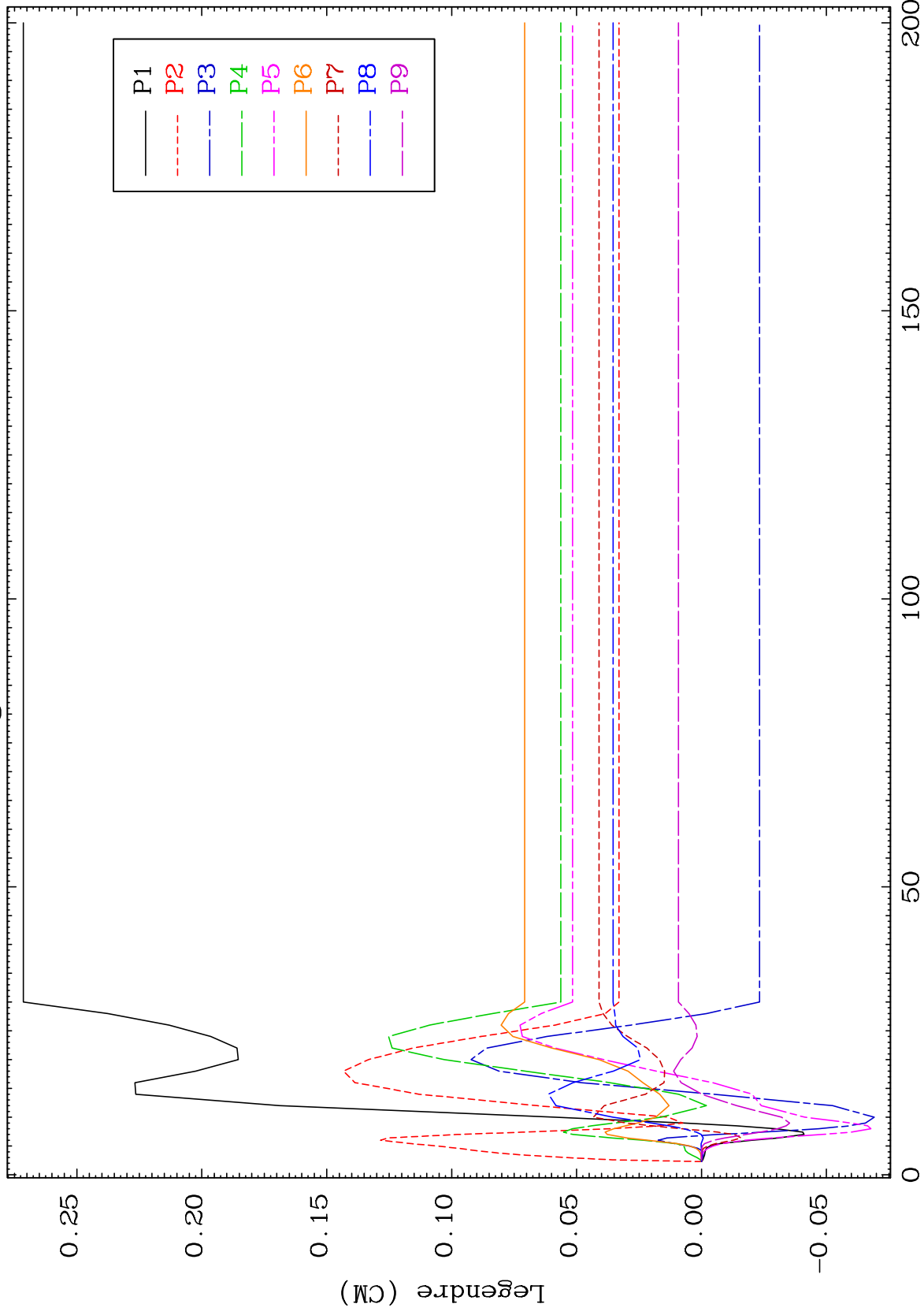
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



85

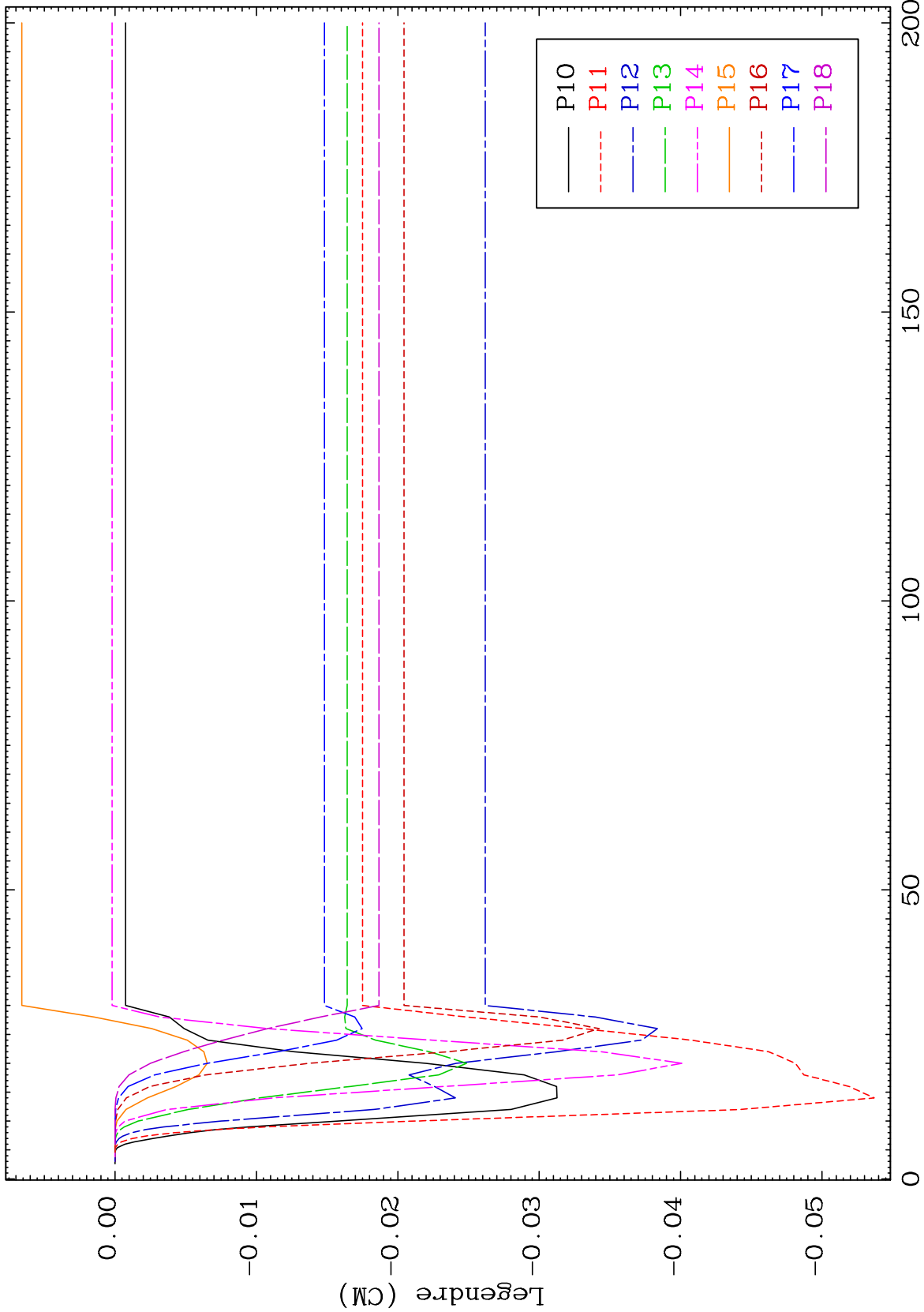
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



86

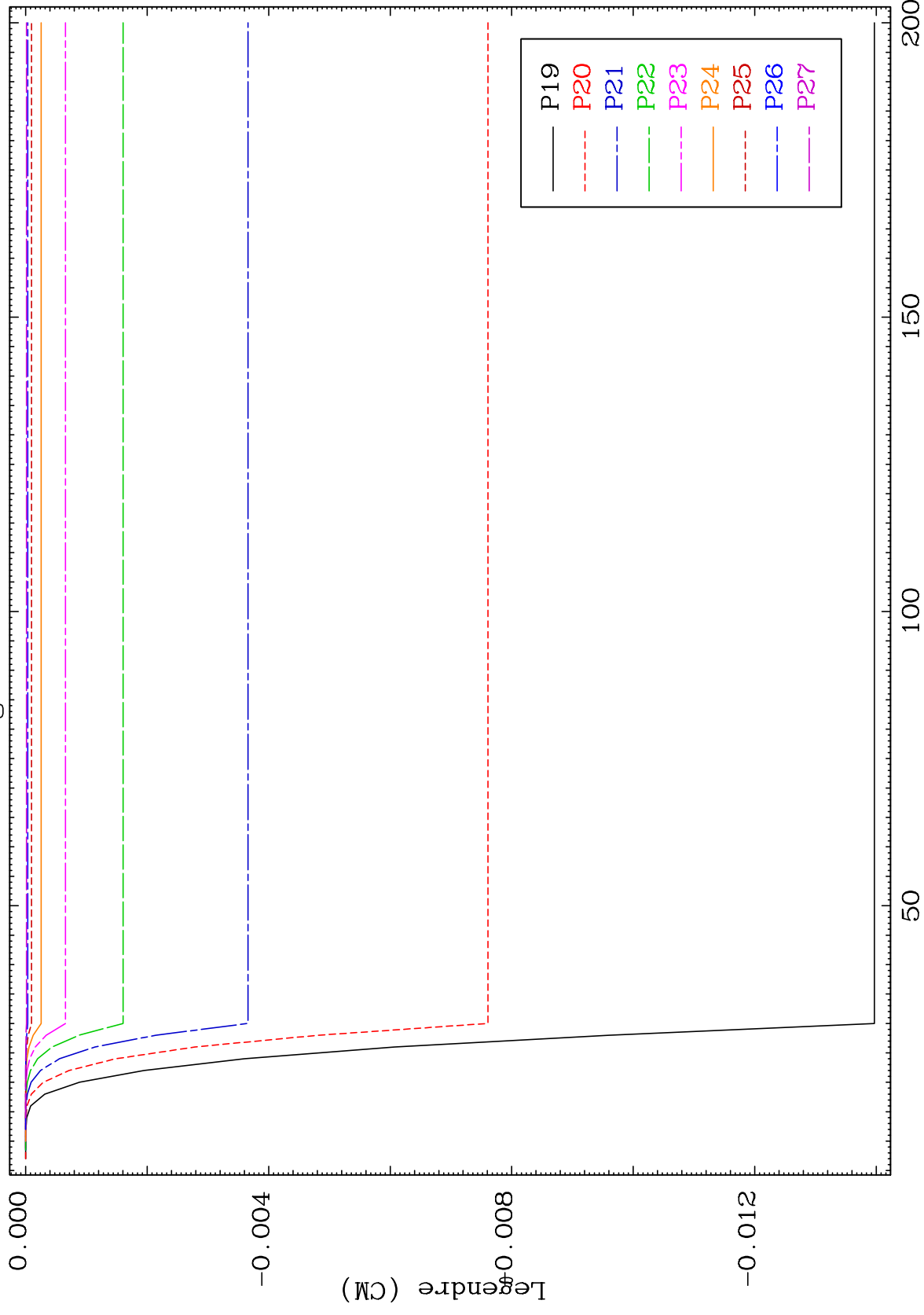
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



87

Incident Energy (MeV)

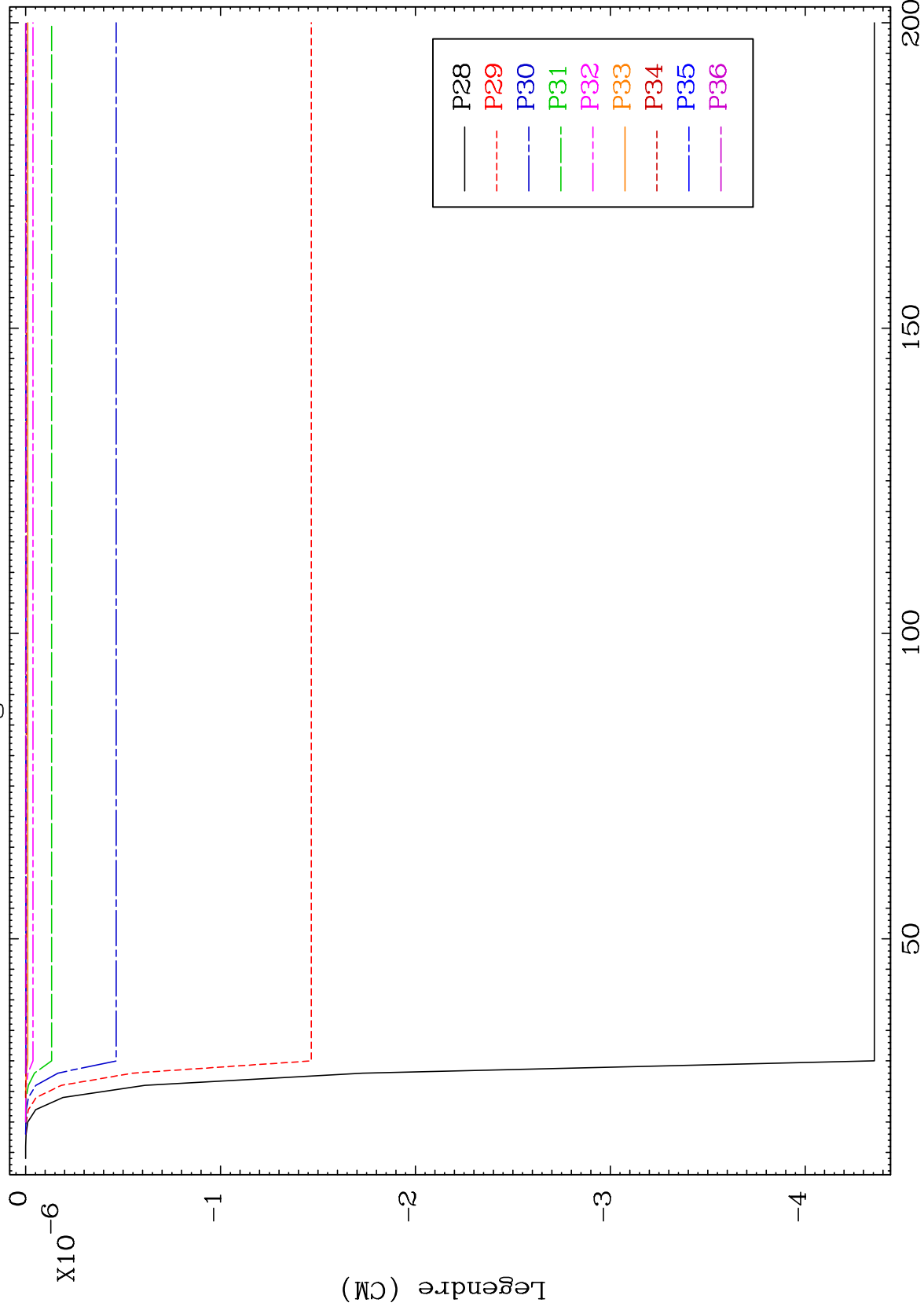
54-Xe-128



MAT 5437

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

54-Xe-128



88

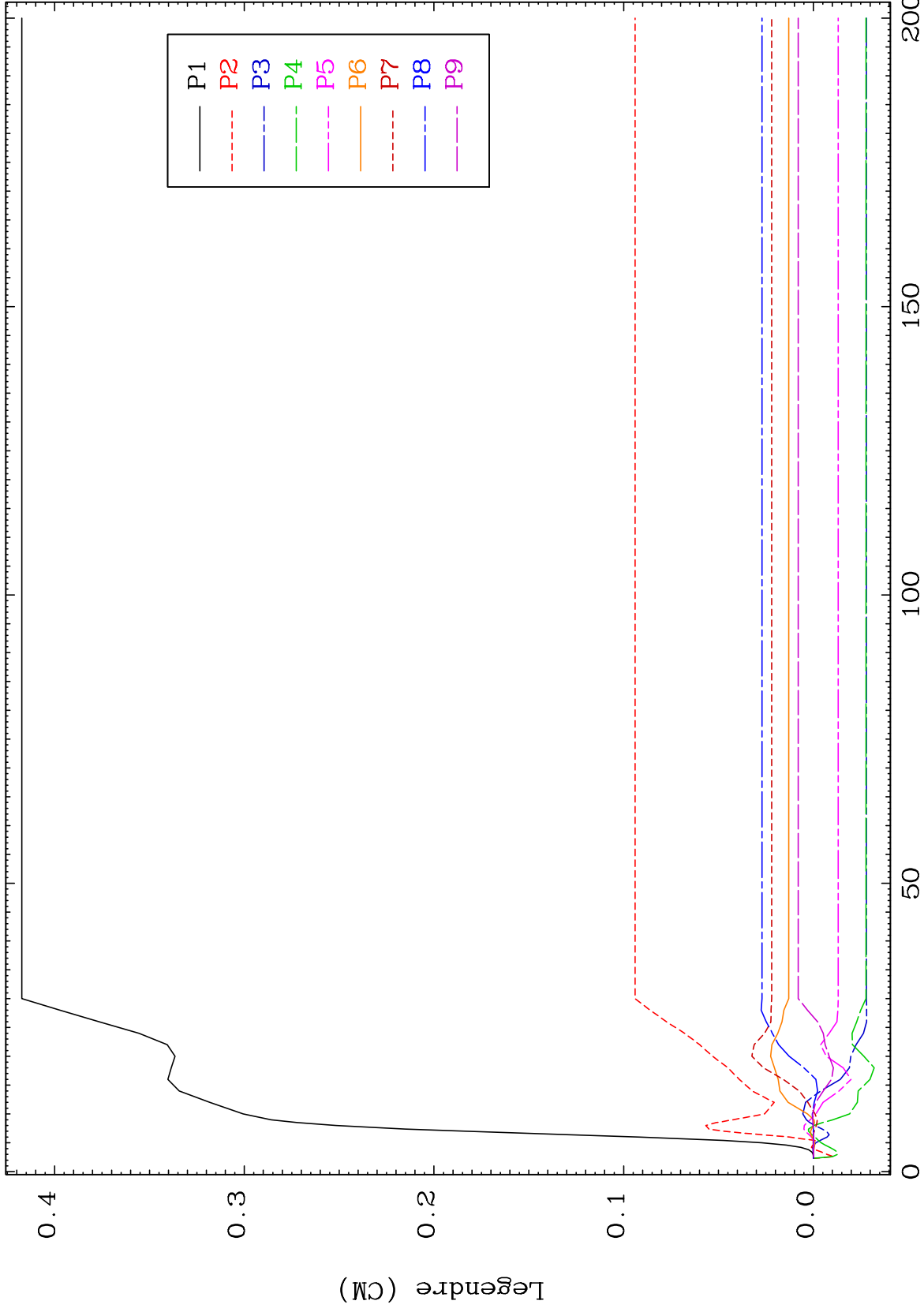
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



89

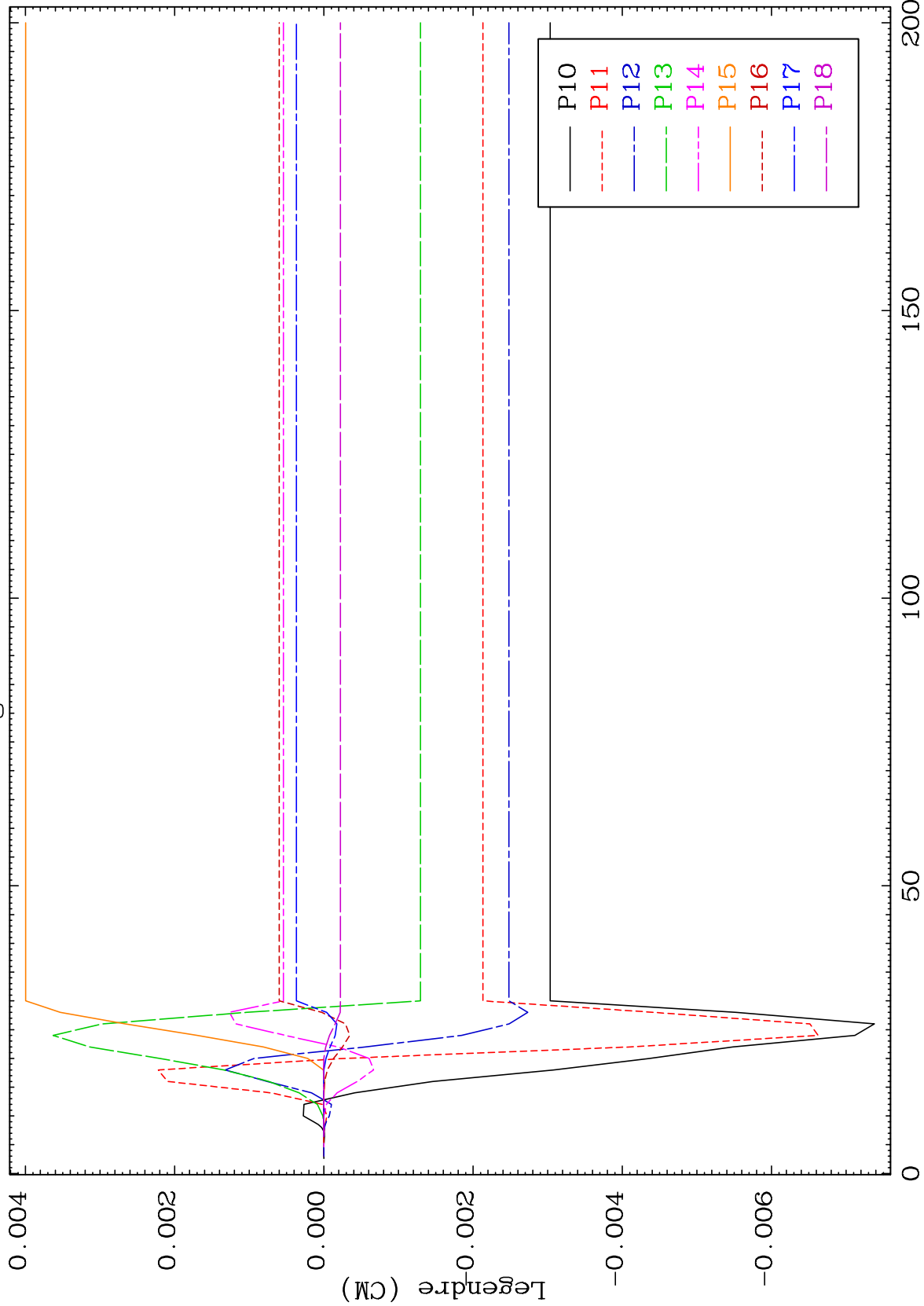
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



54-Xe-128

Incident Energy (MeV)

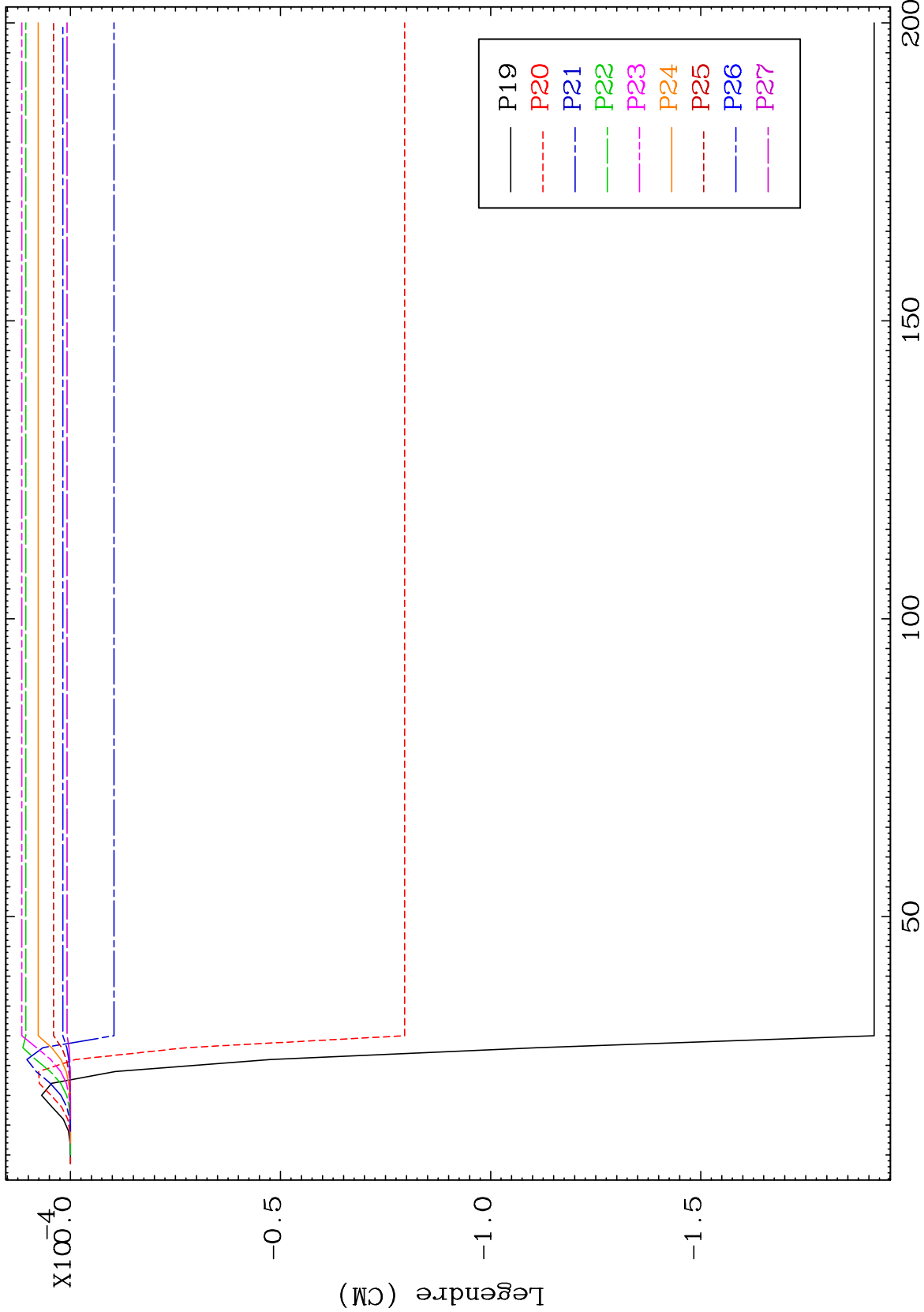
90

MAT 5437

MT= 70 (n,n') Level

54-Xe-128

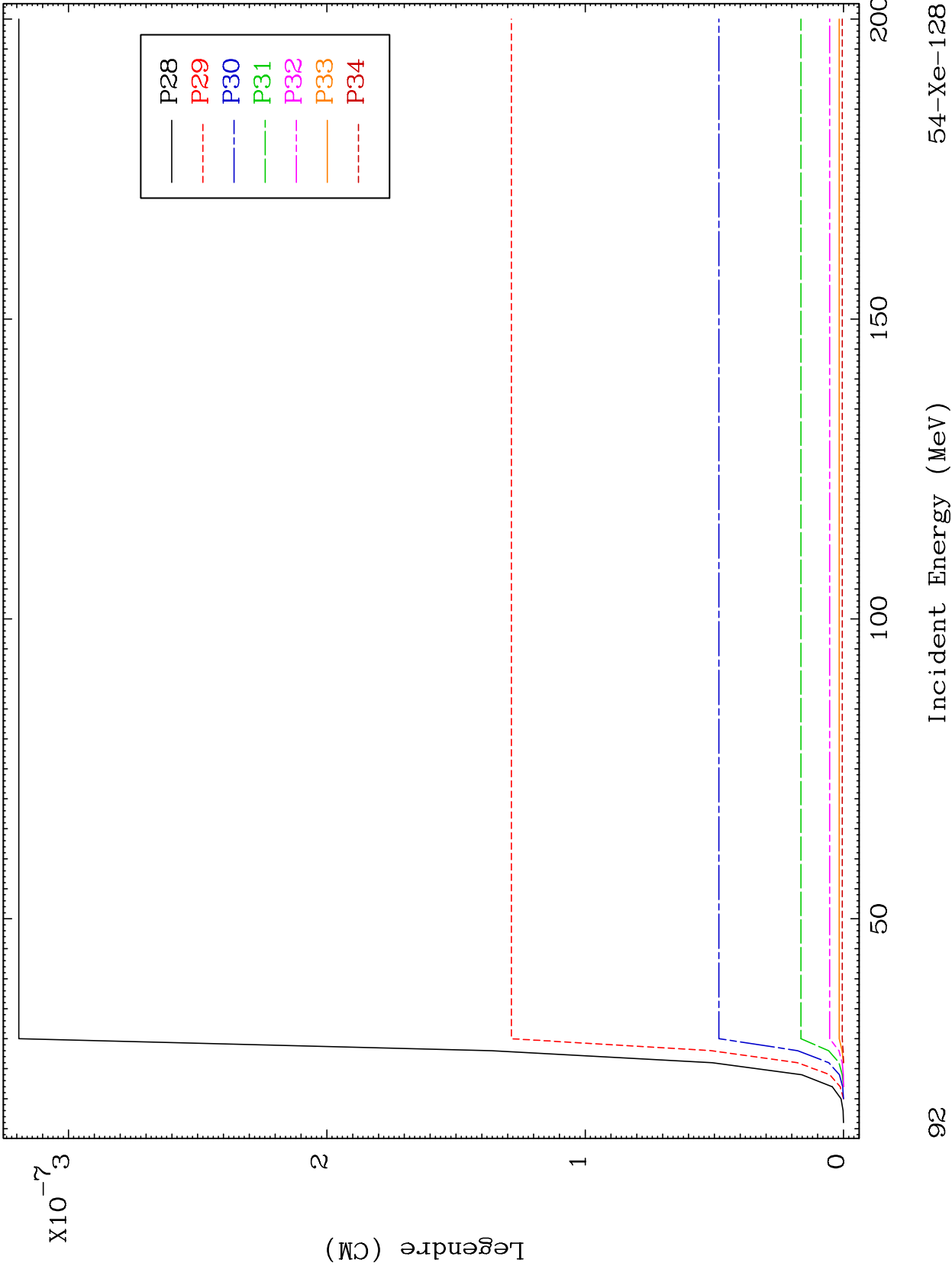
Legendre Coefficients



MAT 5437

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

54-Xe-128



92

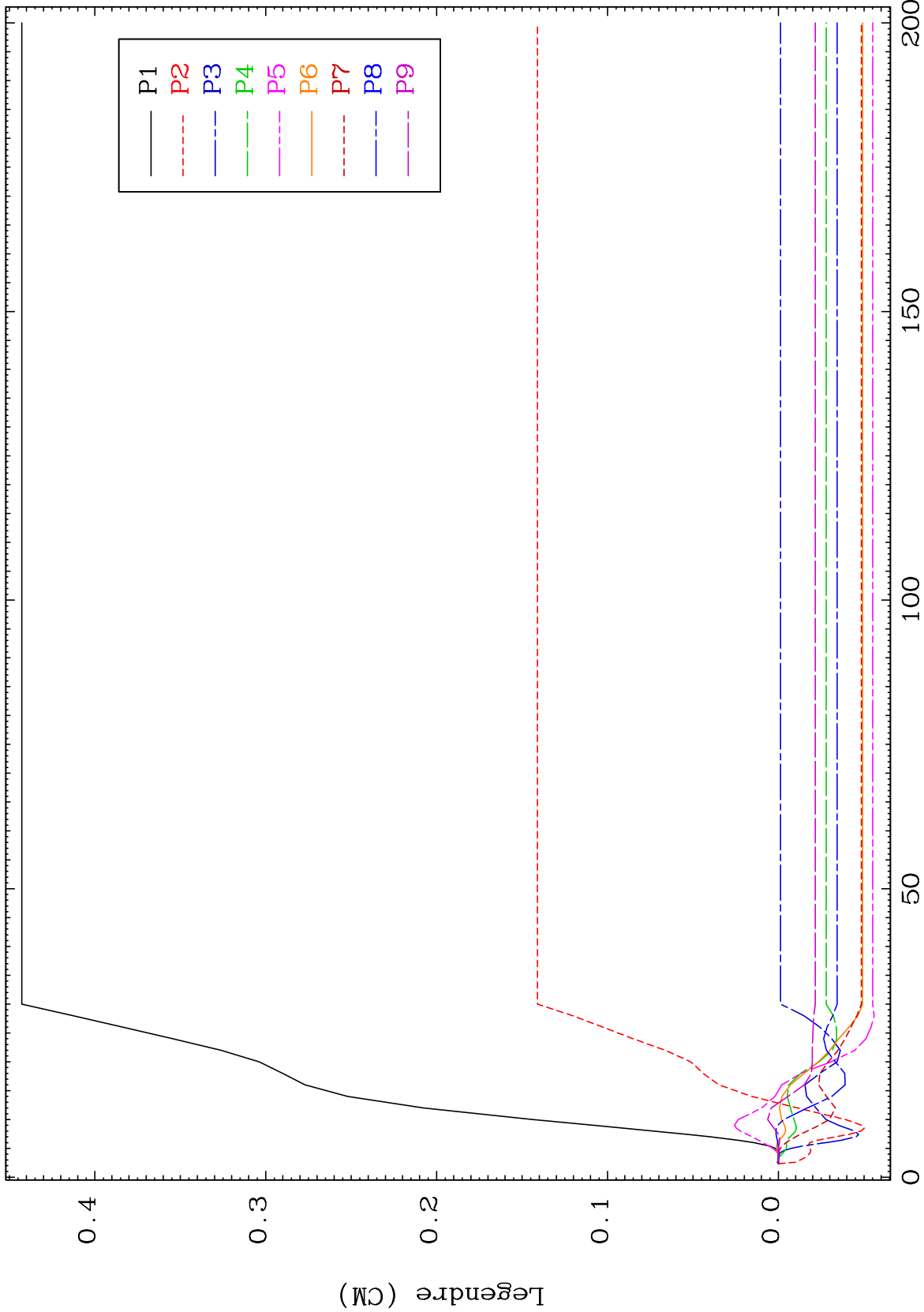
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



93

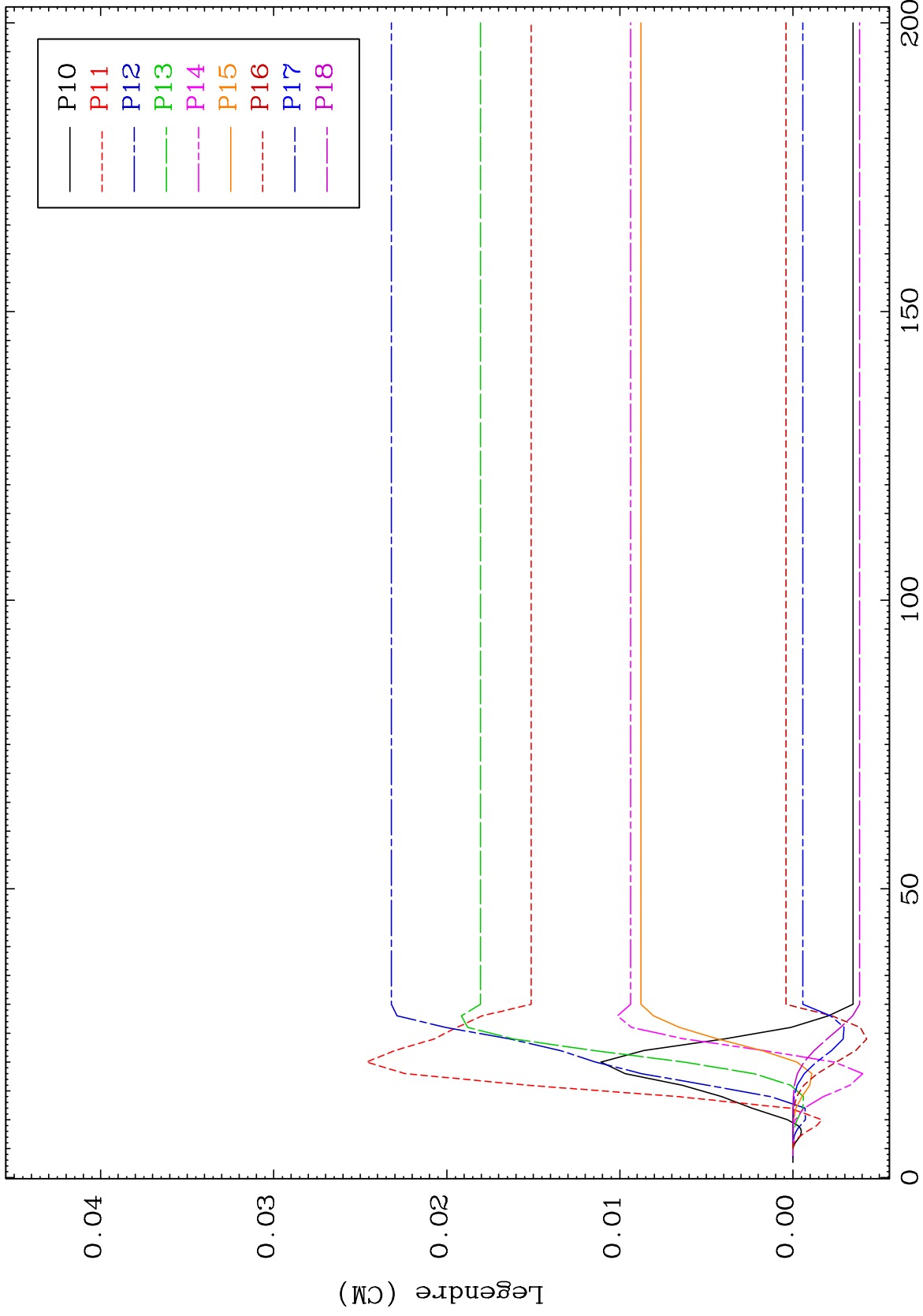
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



94

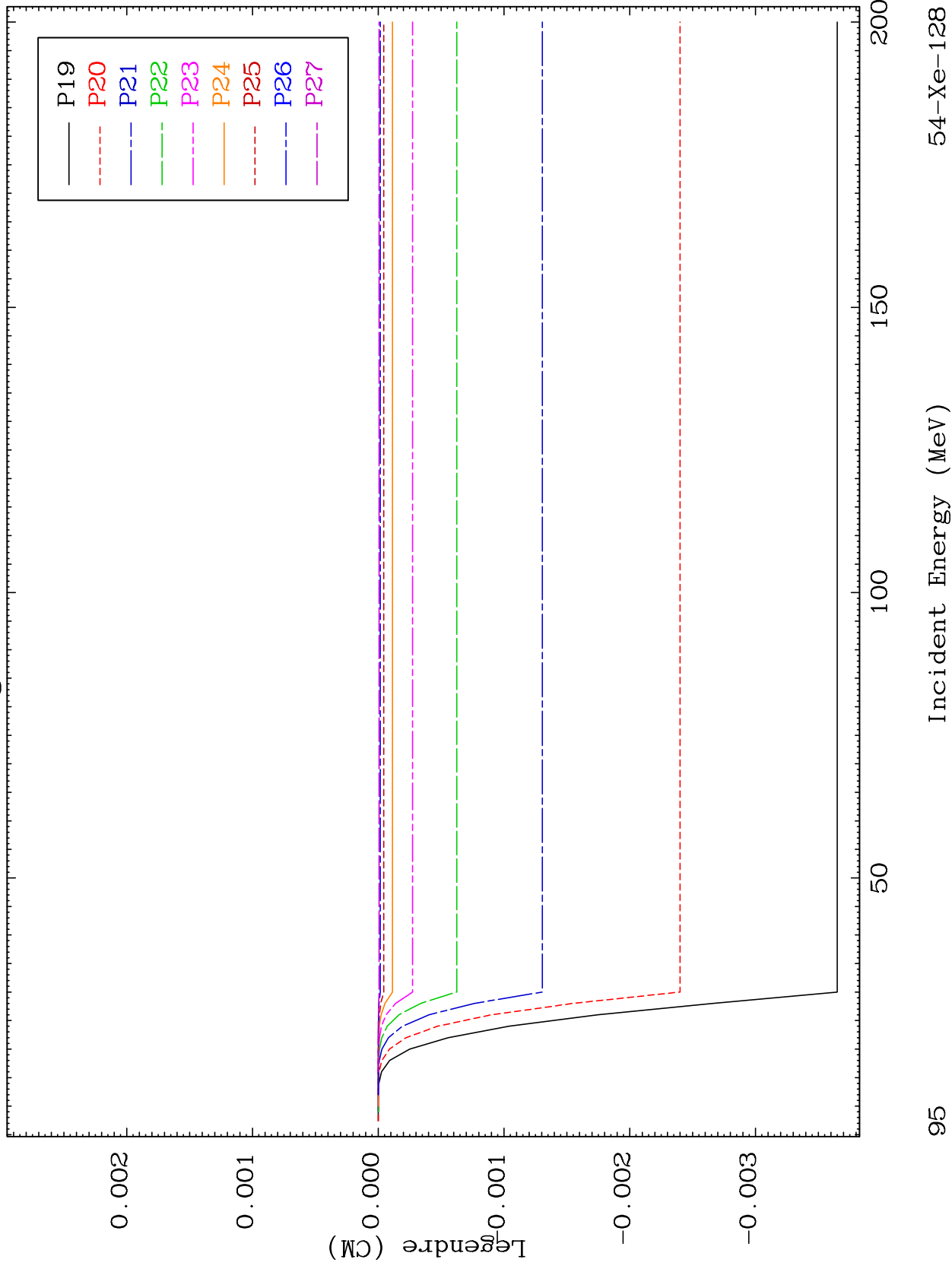
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



95

Incident Energy (MeV)

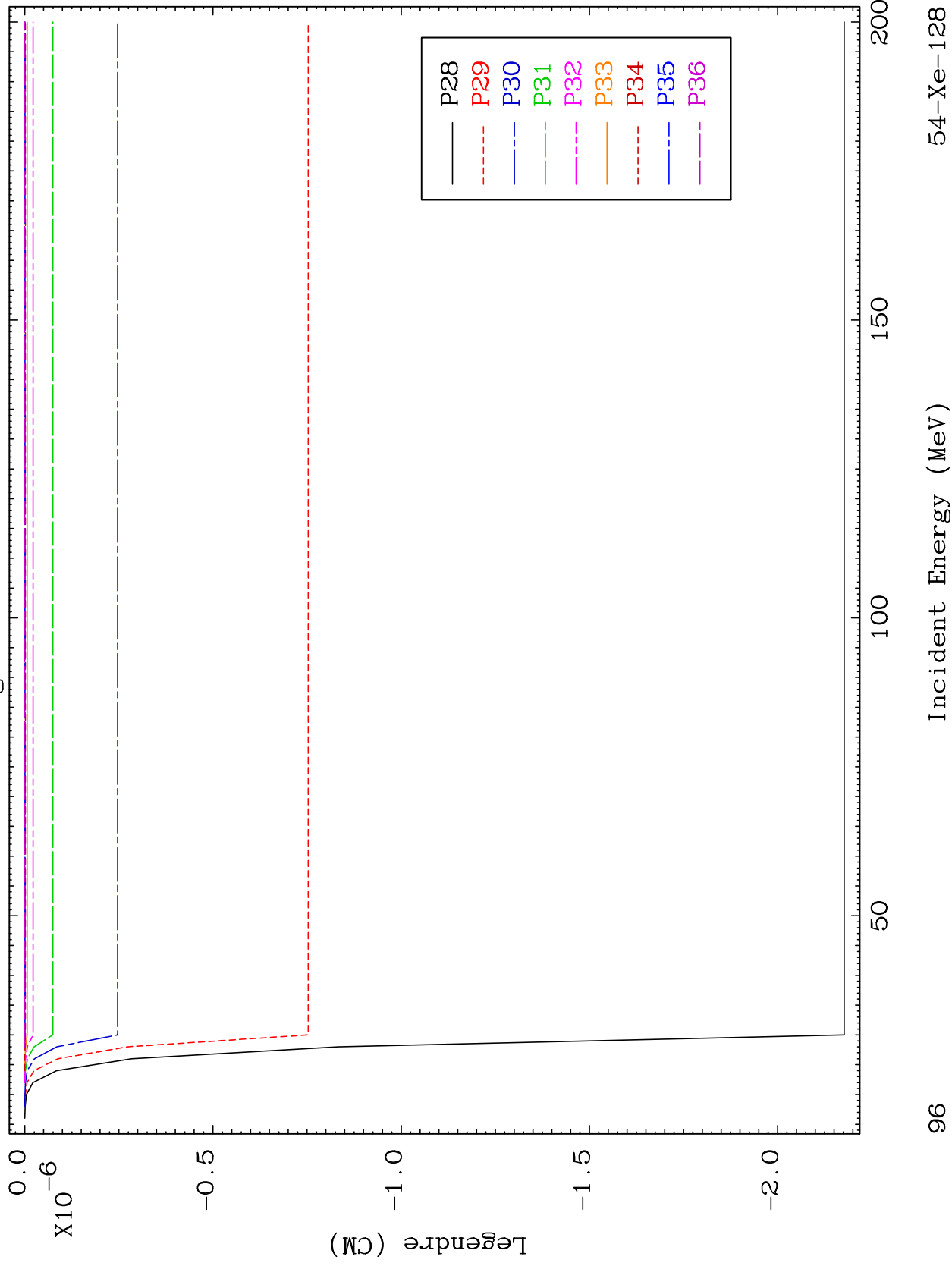
54-Xe-128



MAT 5437

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

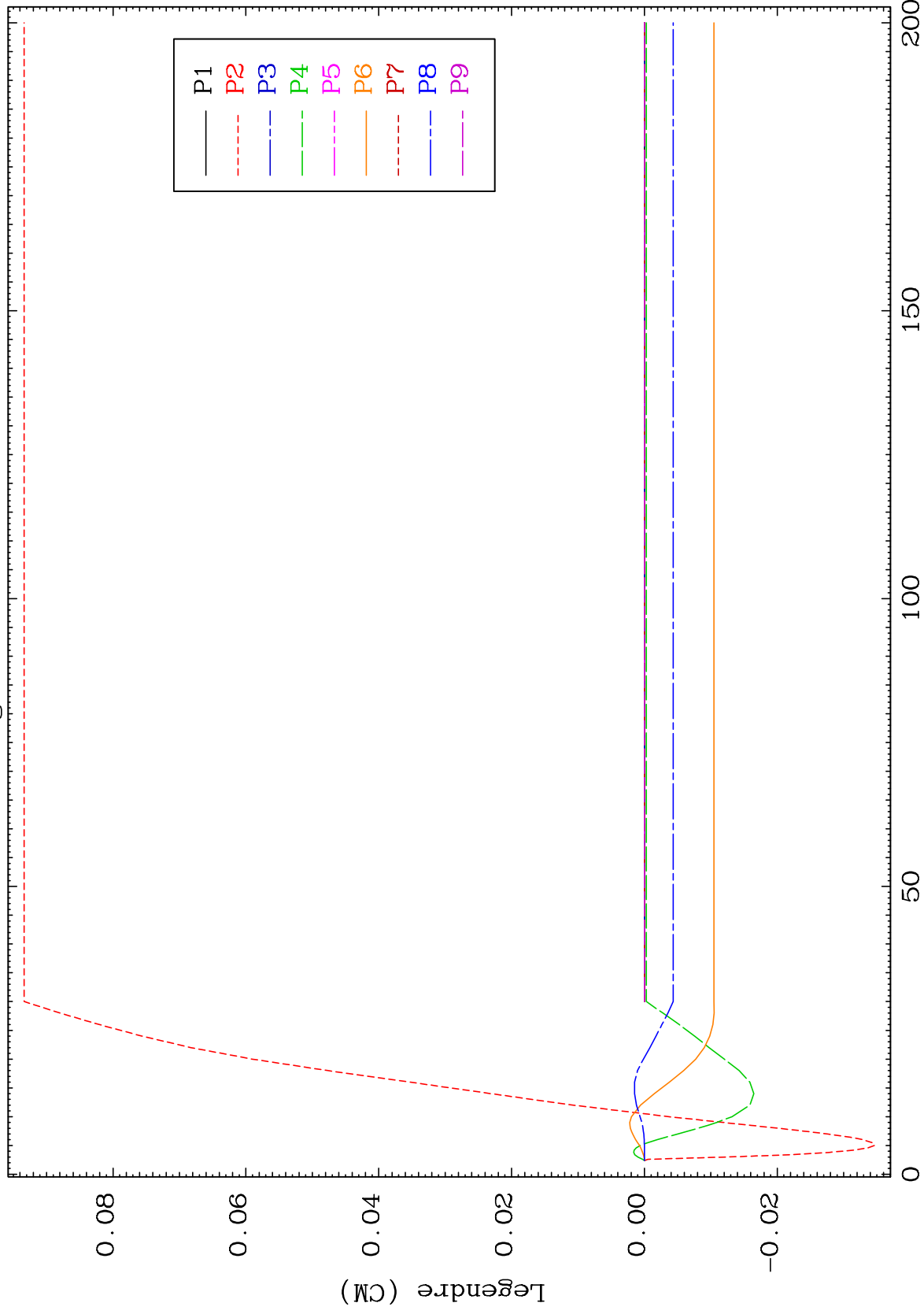
54-Xe-128



MAT 5437

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

54-Xe-128



97

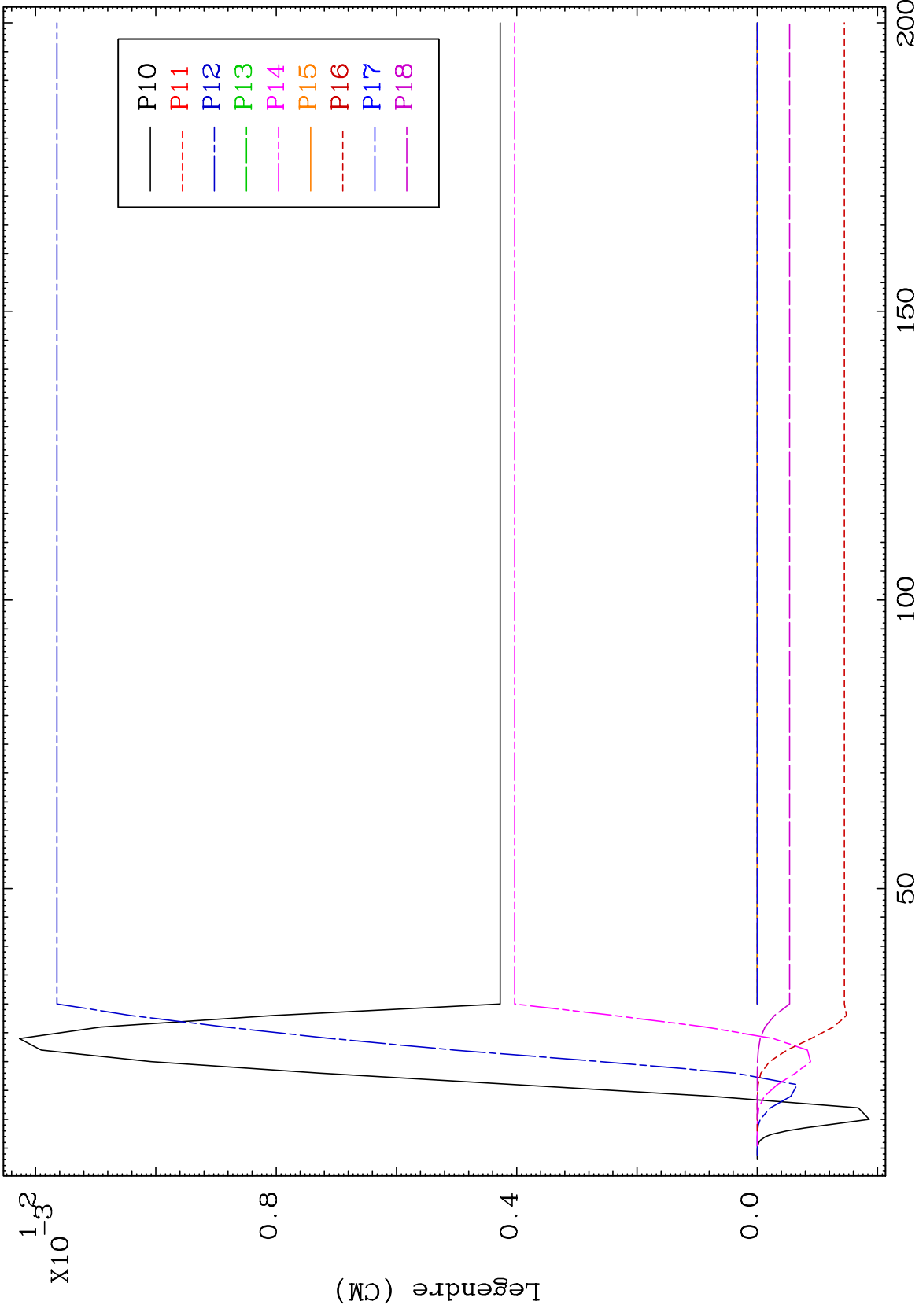
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



98

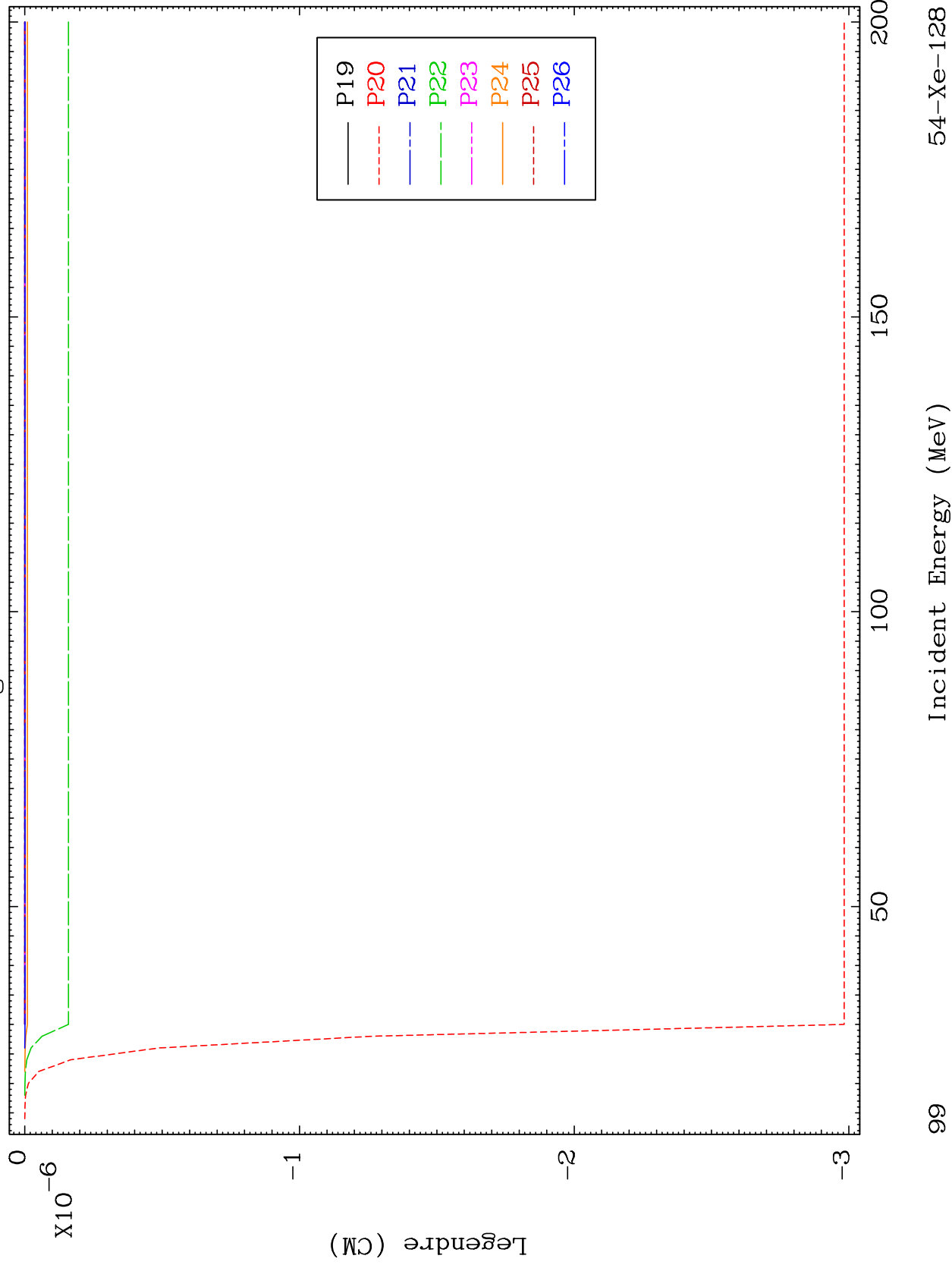
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

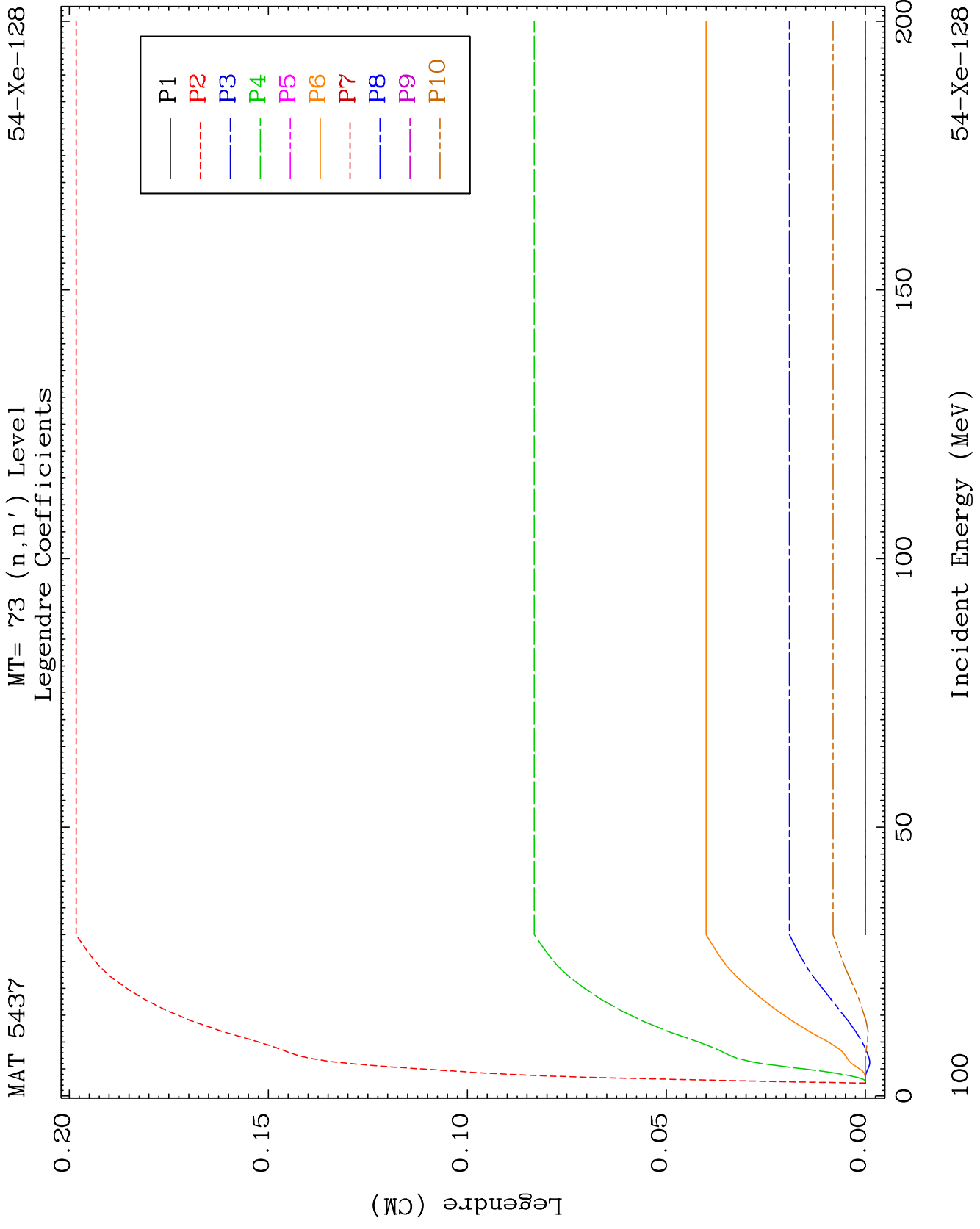
54-Xe-128



99

Incident Energy (MeV)

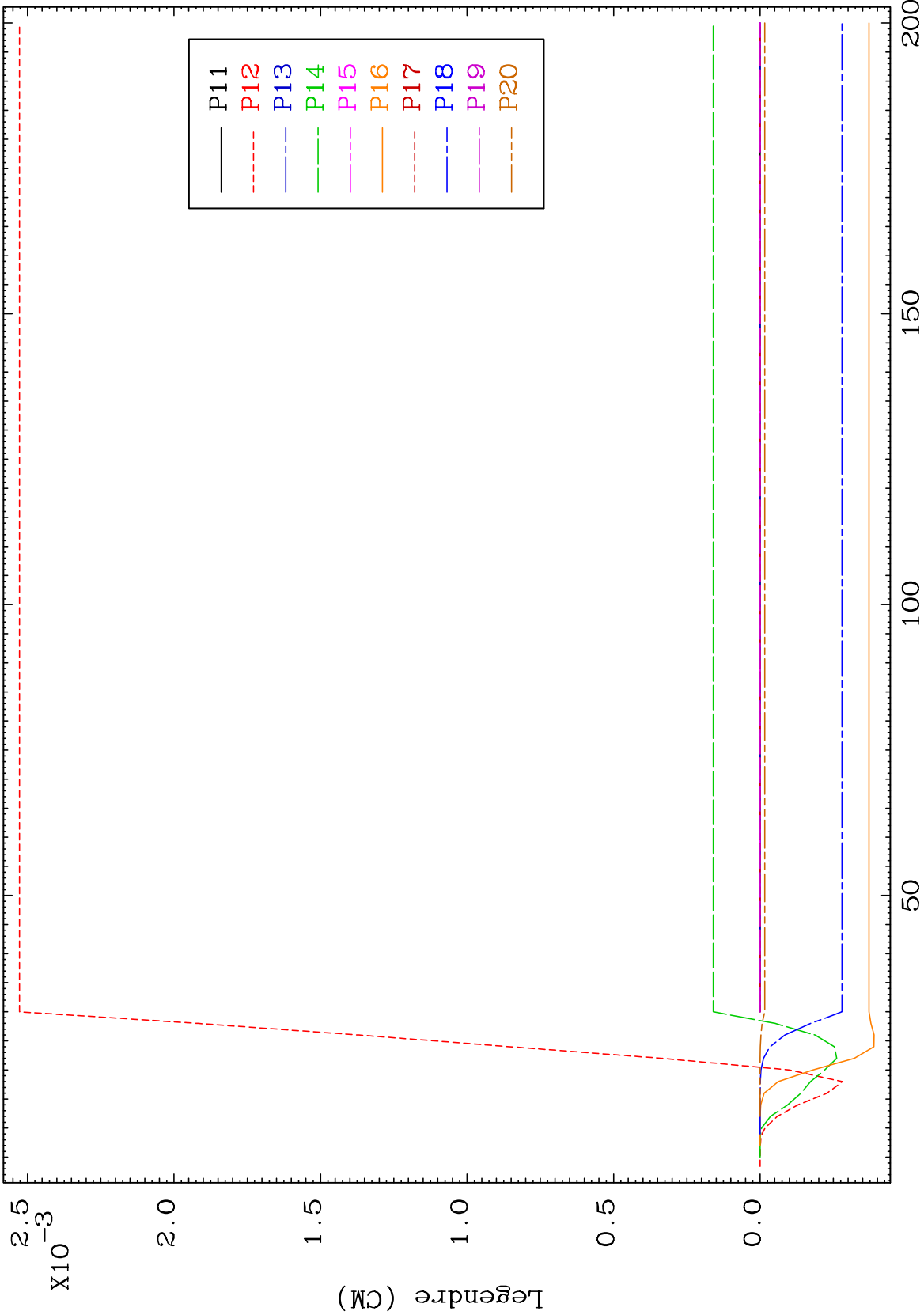
54-Xe-128



MAT 5437

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

54-Xe-128



101

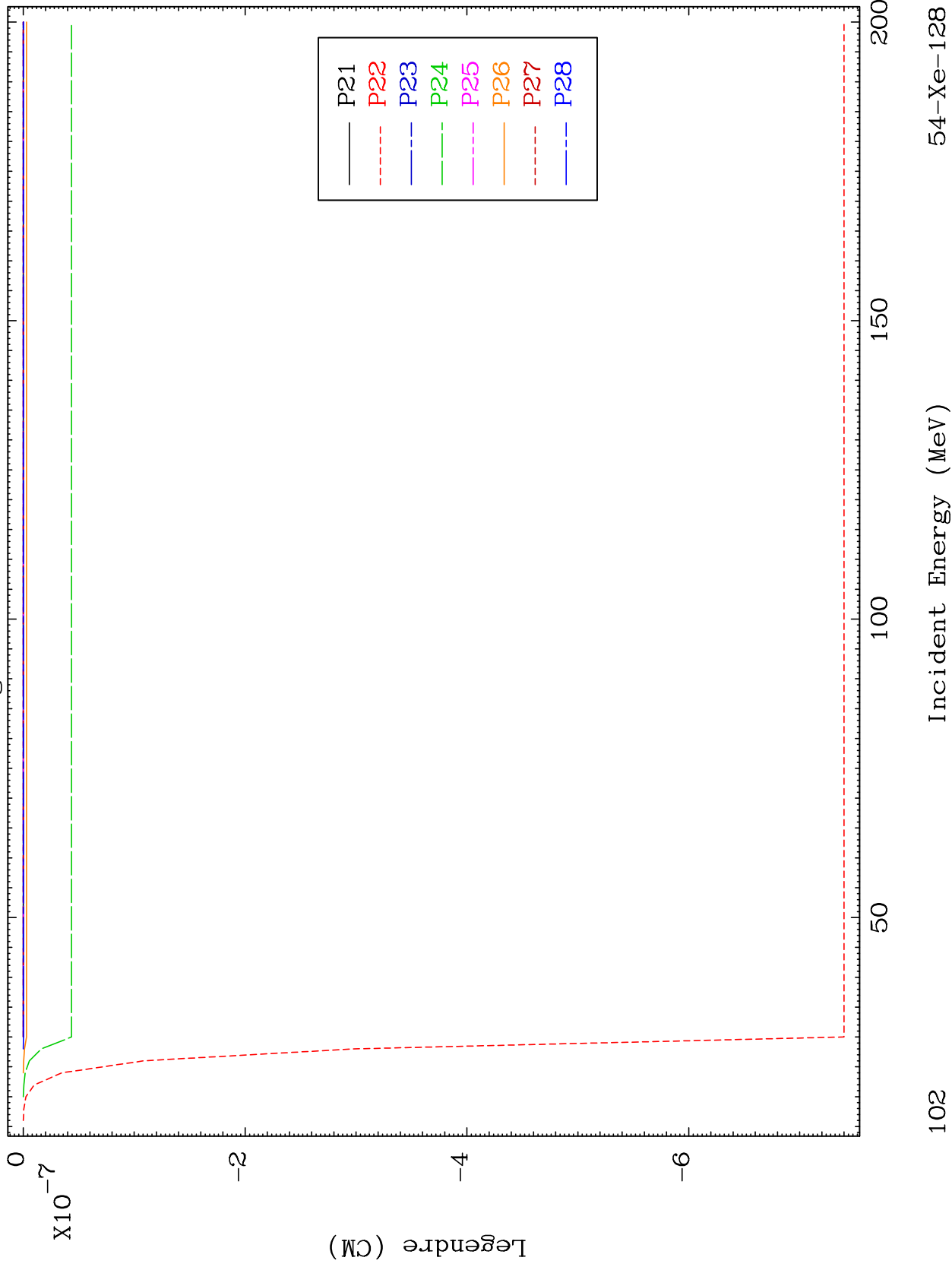
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

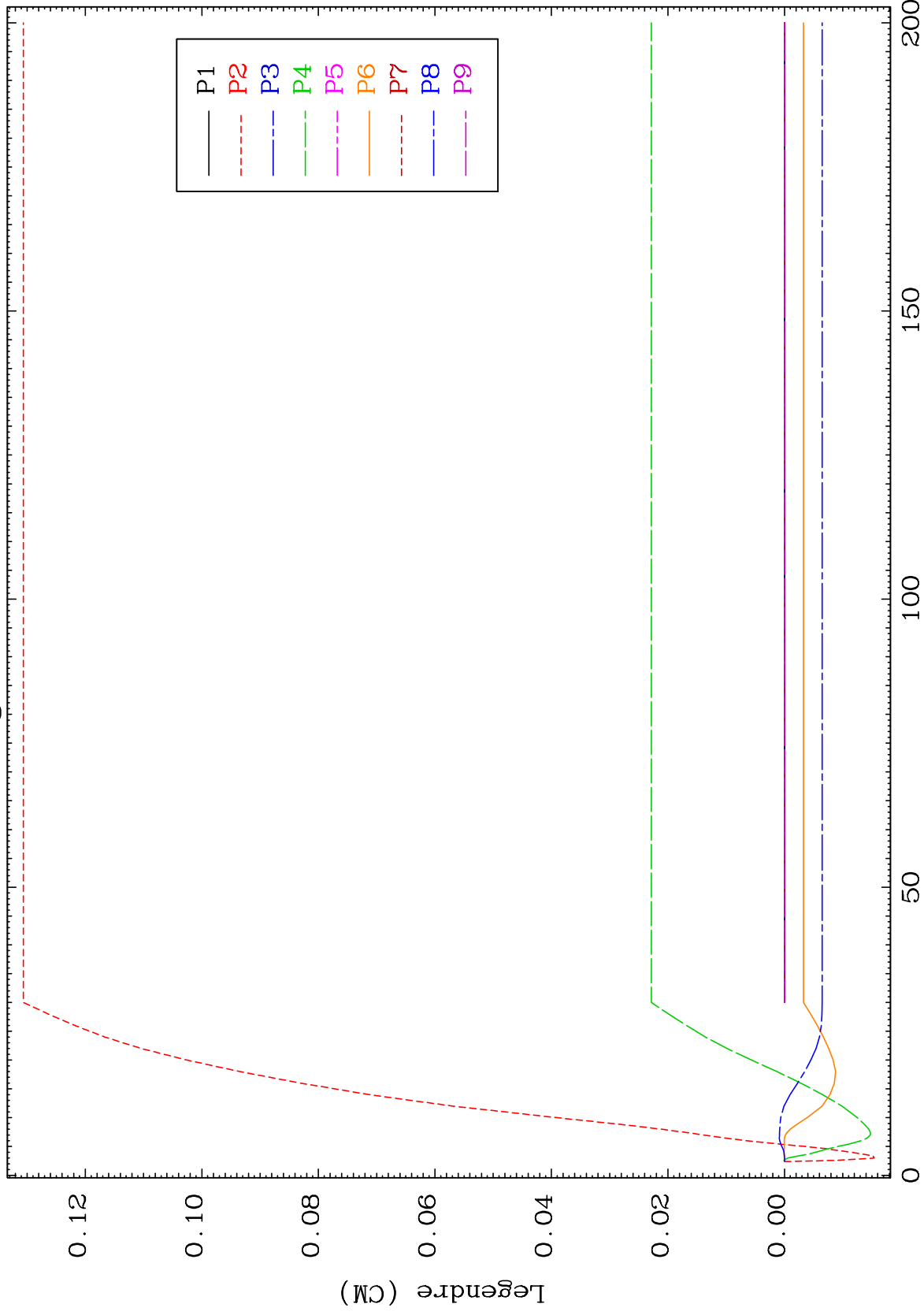
54-Xe-128



MAT 5437

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

54-Xe-128



54-Xe-128

Incident Energy (MeV)

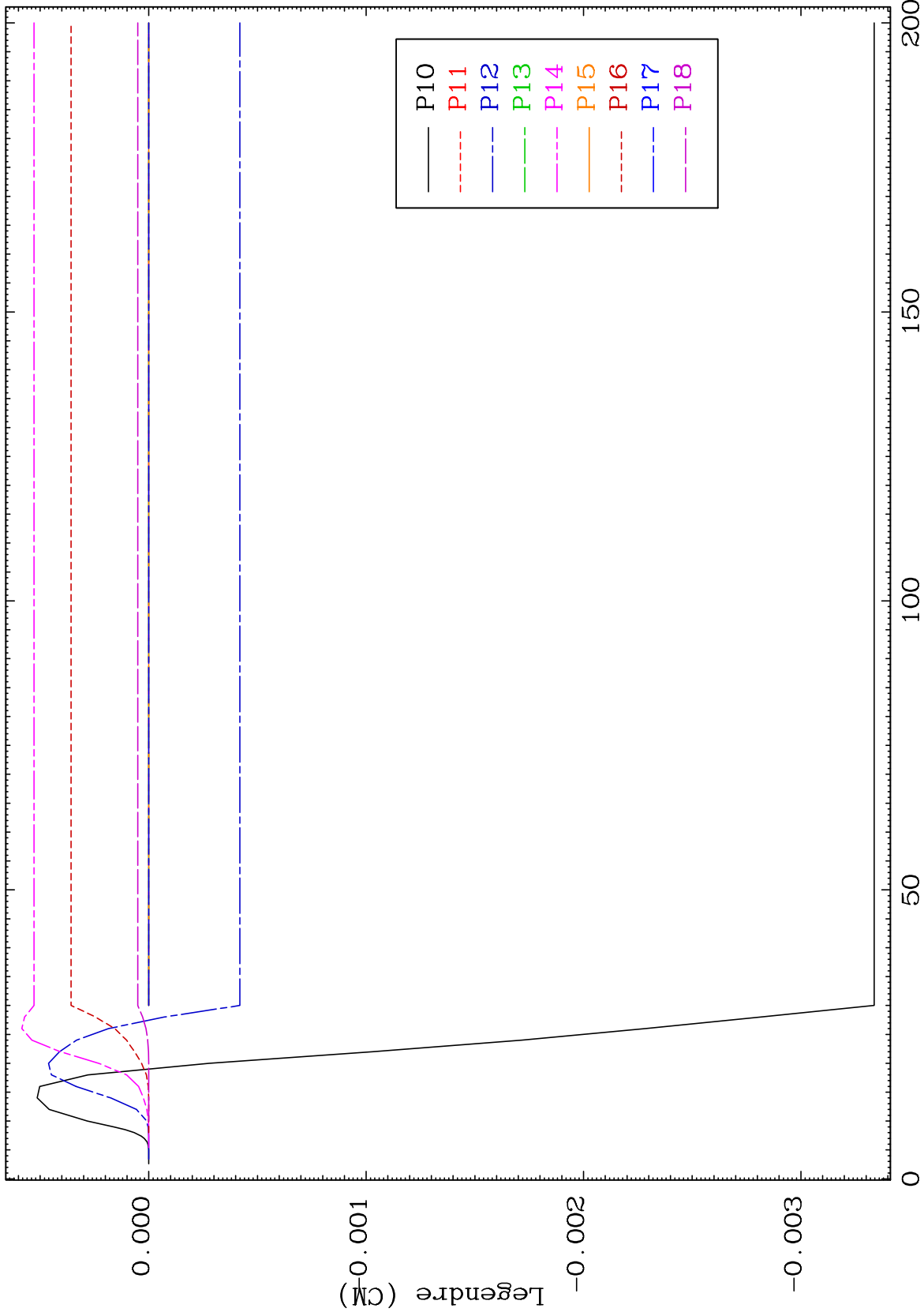
103



MAT 5437

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

54-Xe-128



104

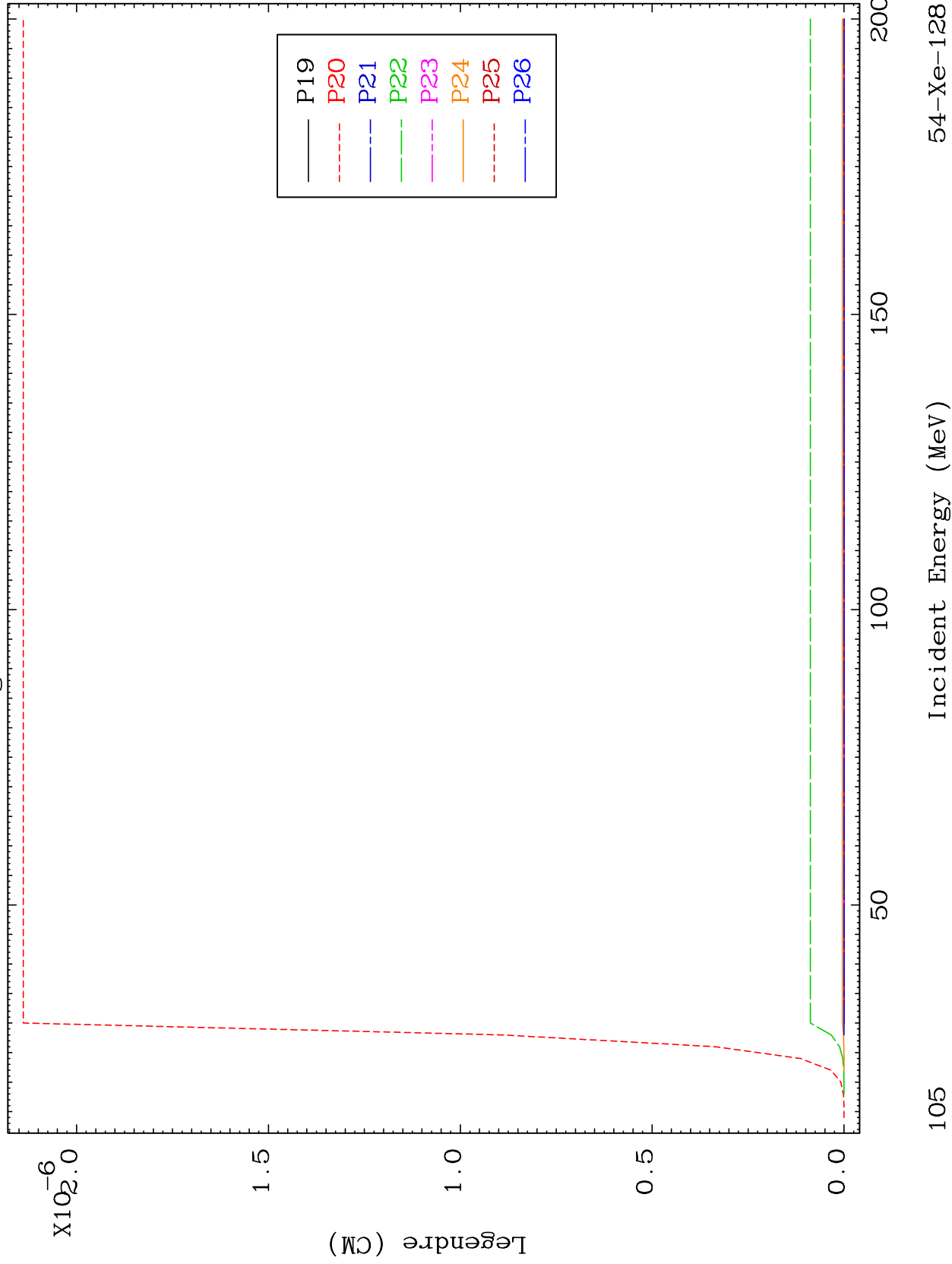
Incident Energy (MeV)

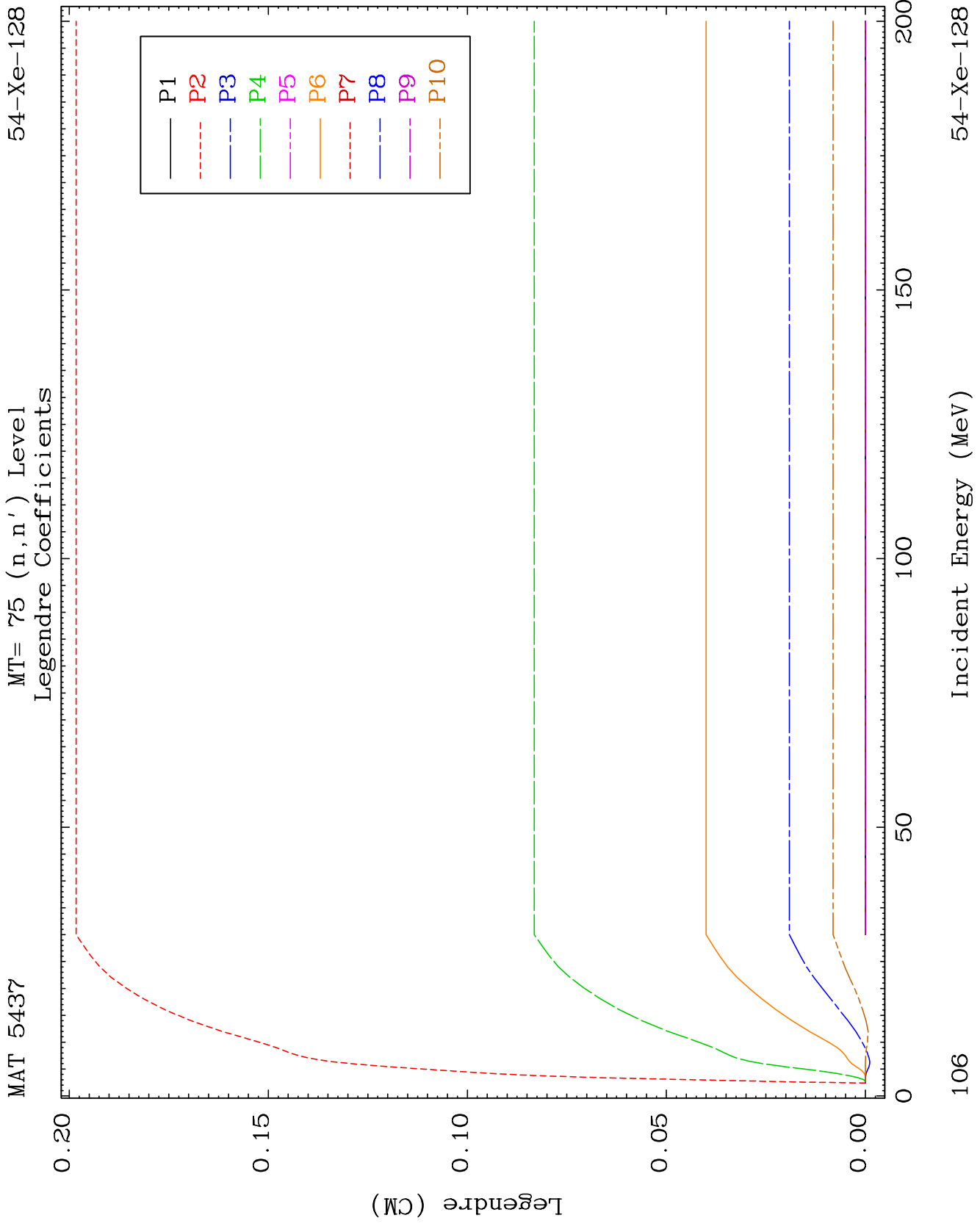
54-Xe-128

MAT 5437

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

54-Xe-128

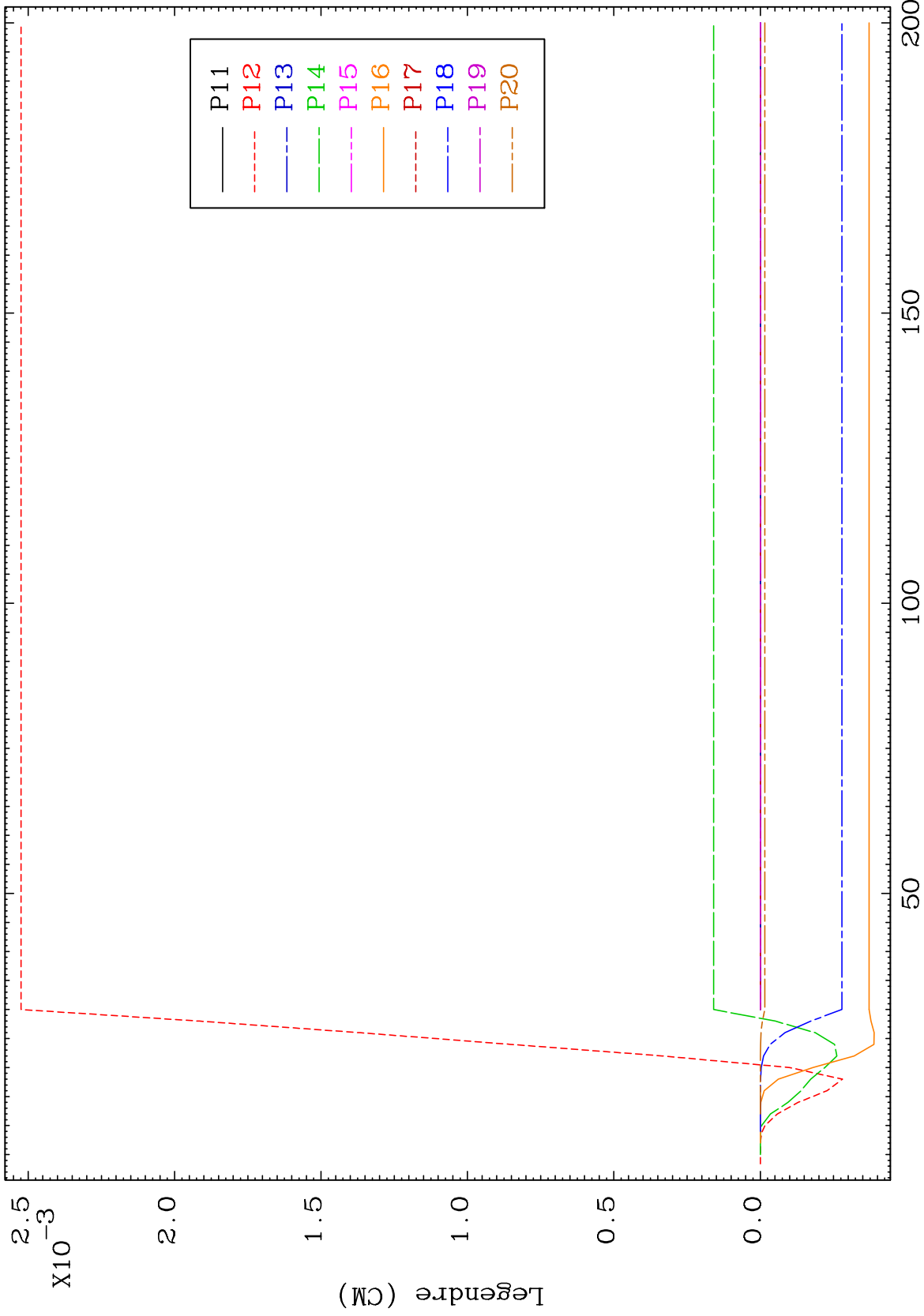




MAT 5437

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

54-Xe-128



107

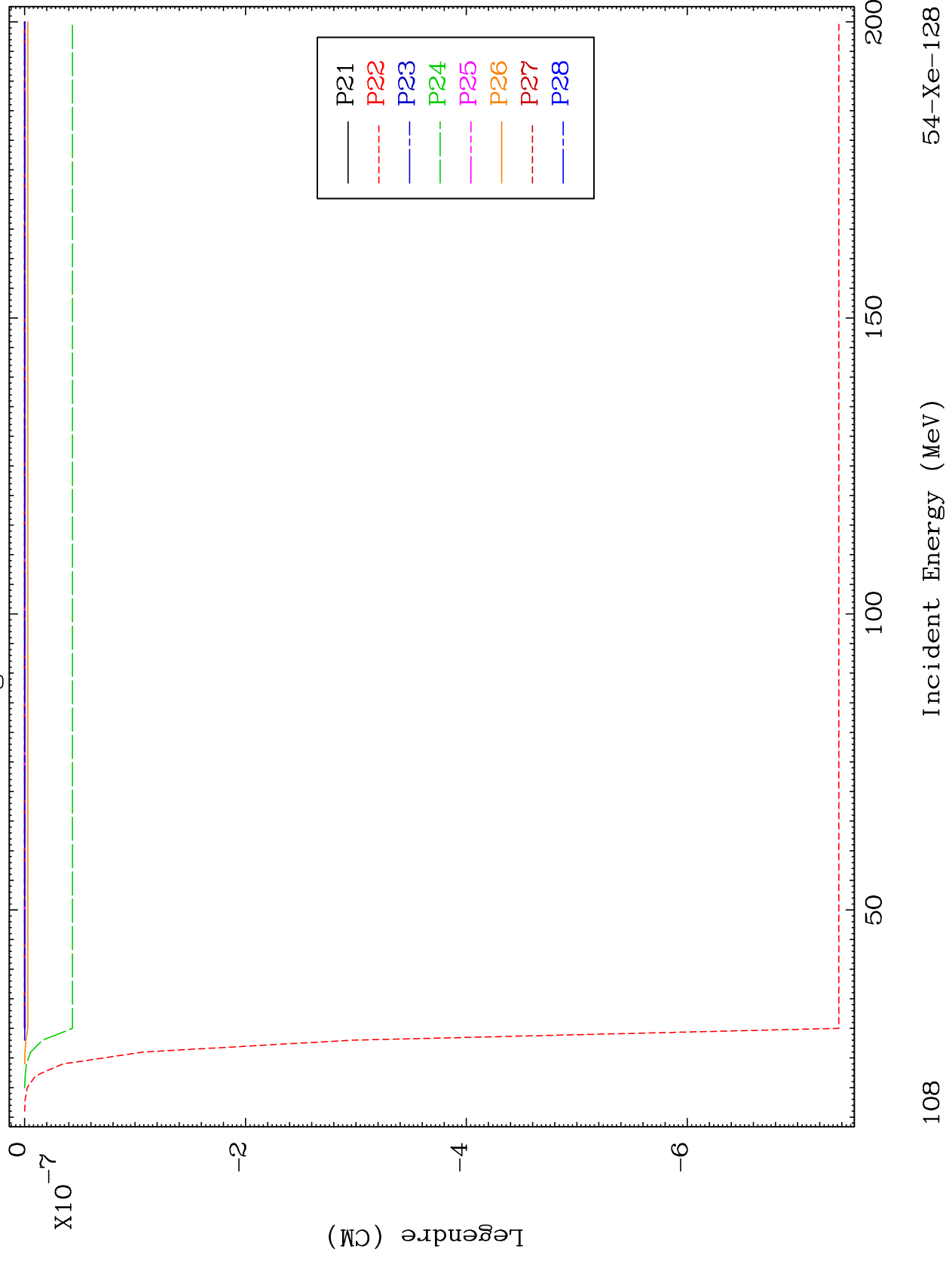
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



108

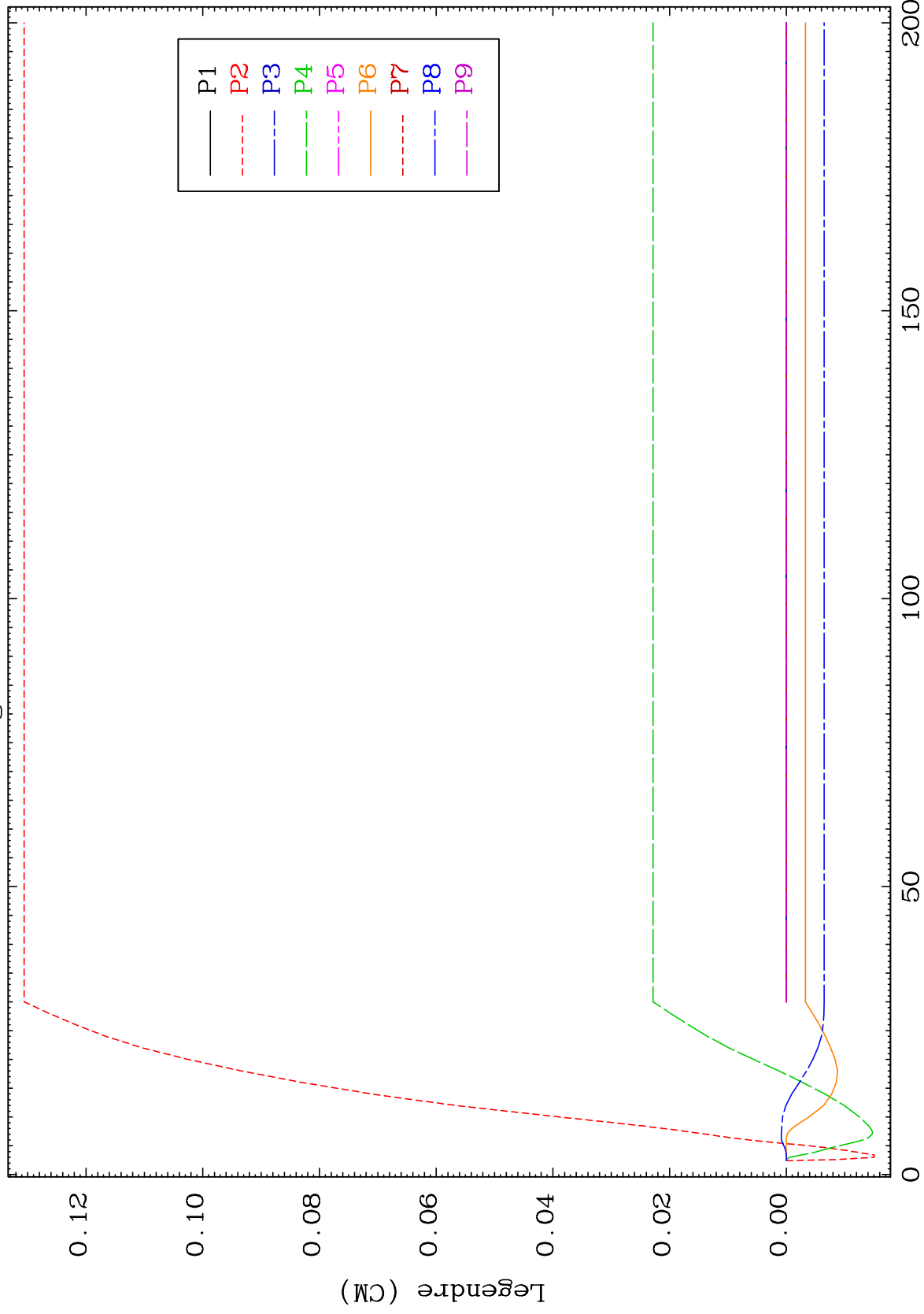
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



54-Xe-128

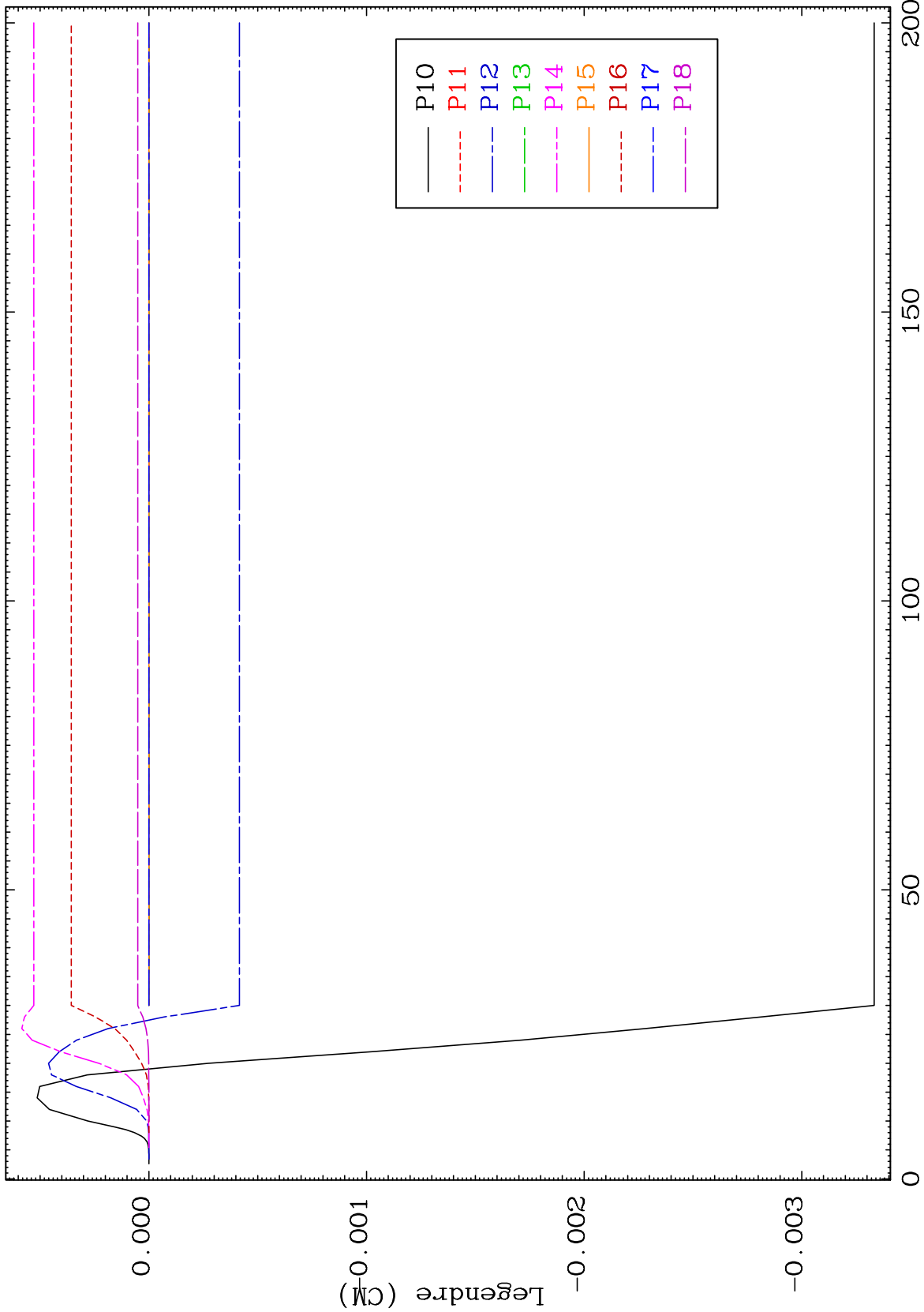
Incident Energy (MeV)

109

MAT 5437

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

54-Xe-128



110

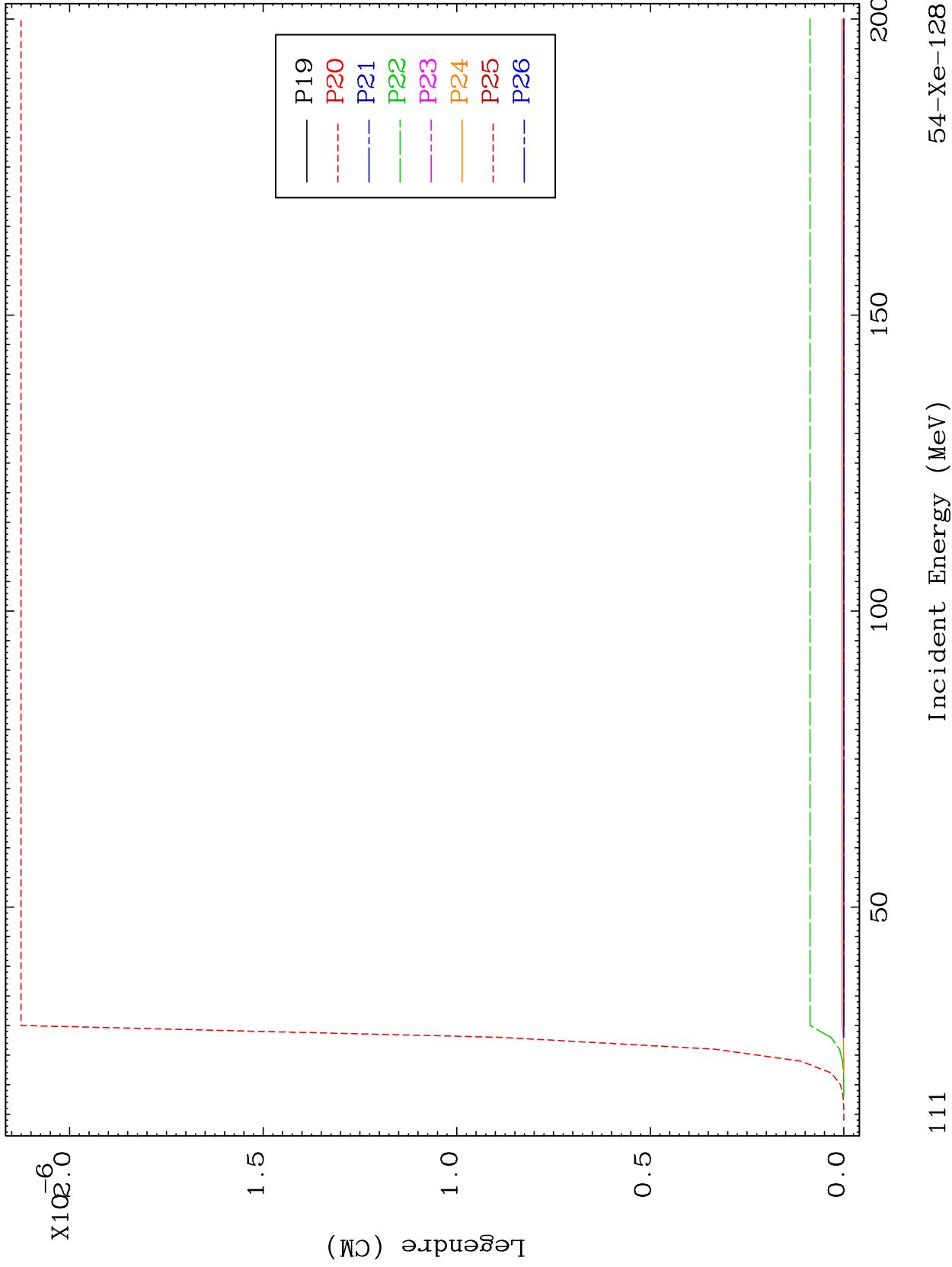
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



111

Incident Energy (MeV)

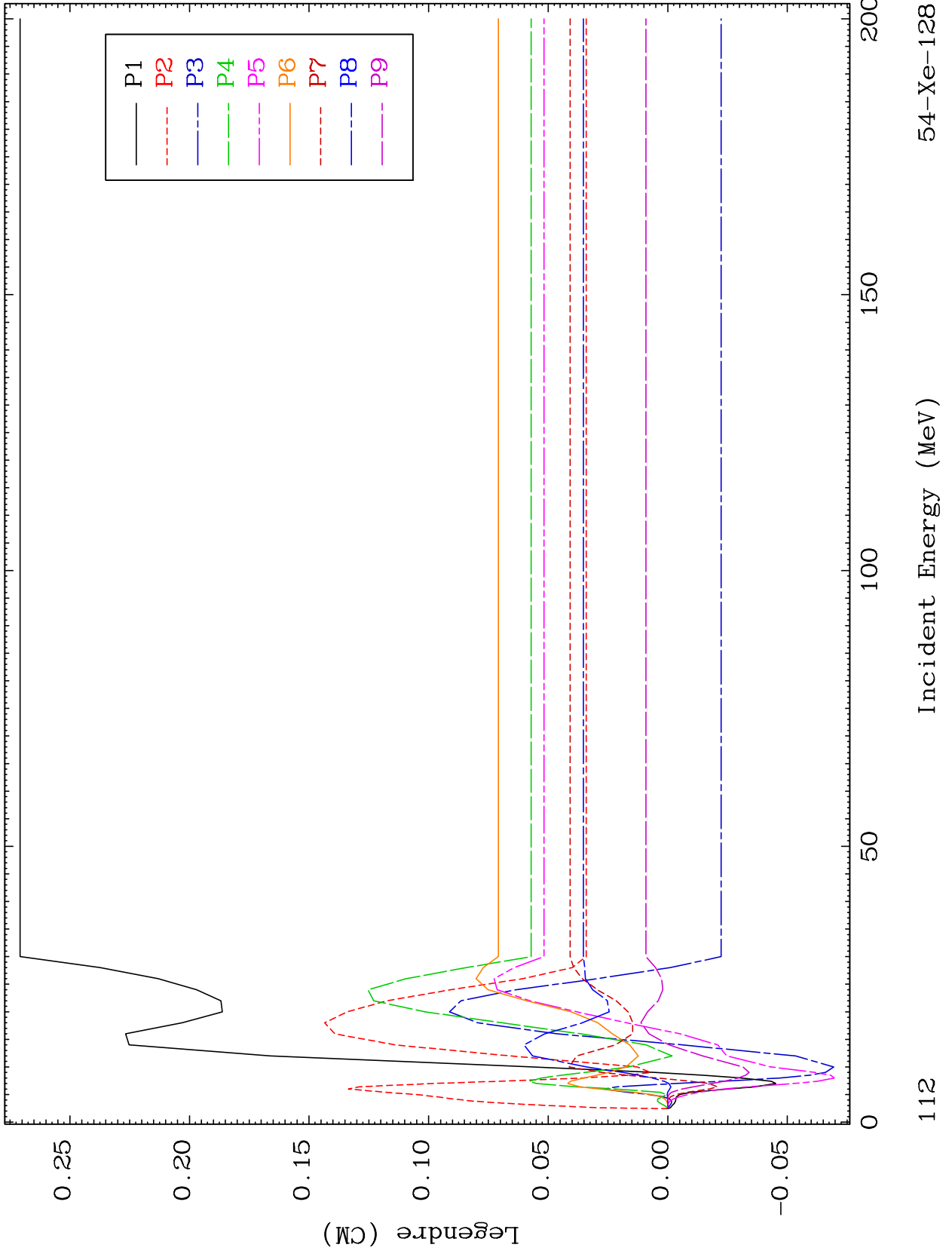
54-Xe-128



MAT 5437

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

54-Xe-128

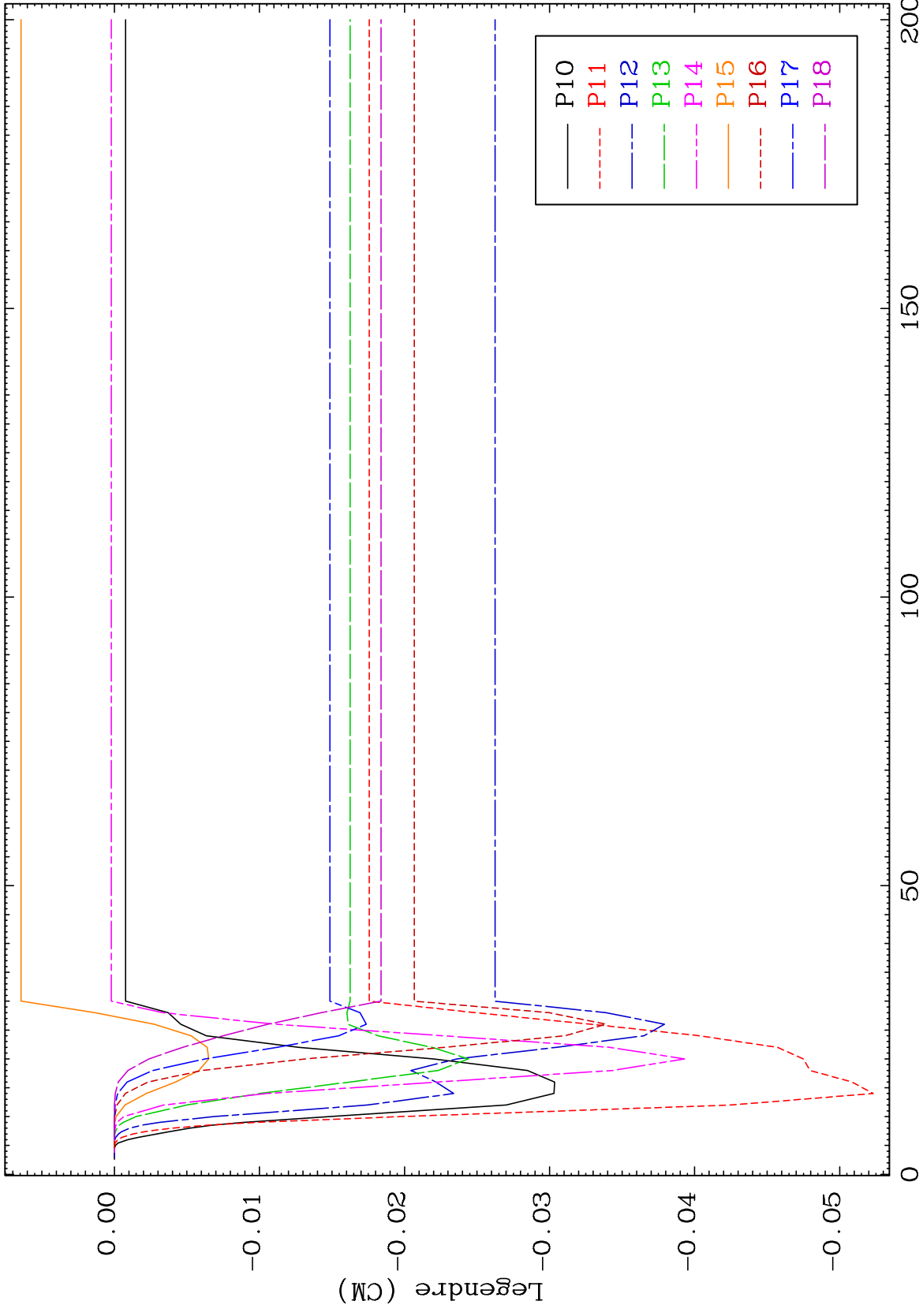


112

MAT 5437

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

54-Xe-128



113

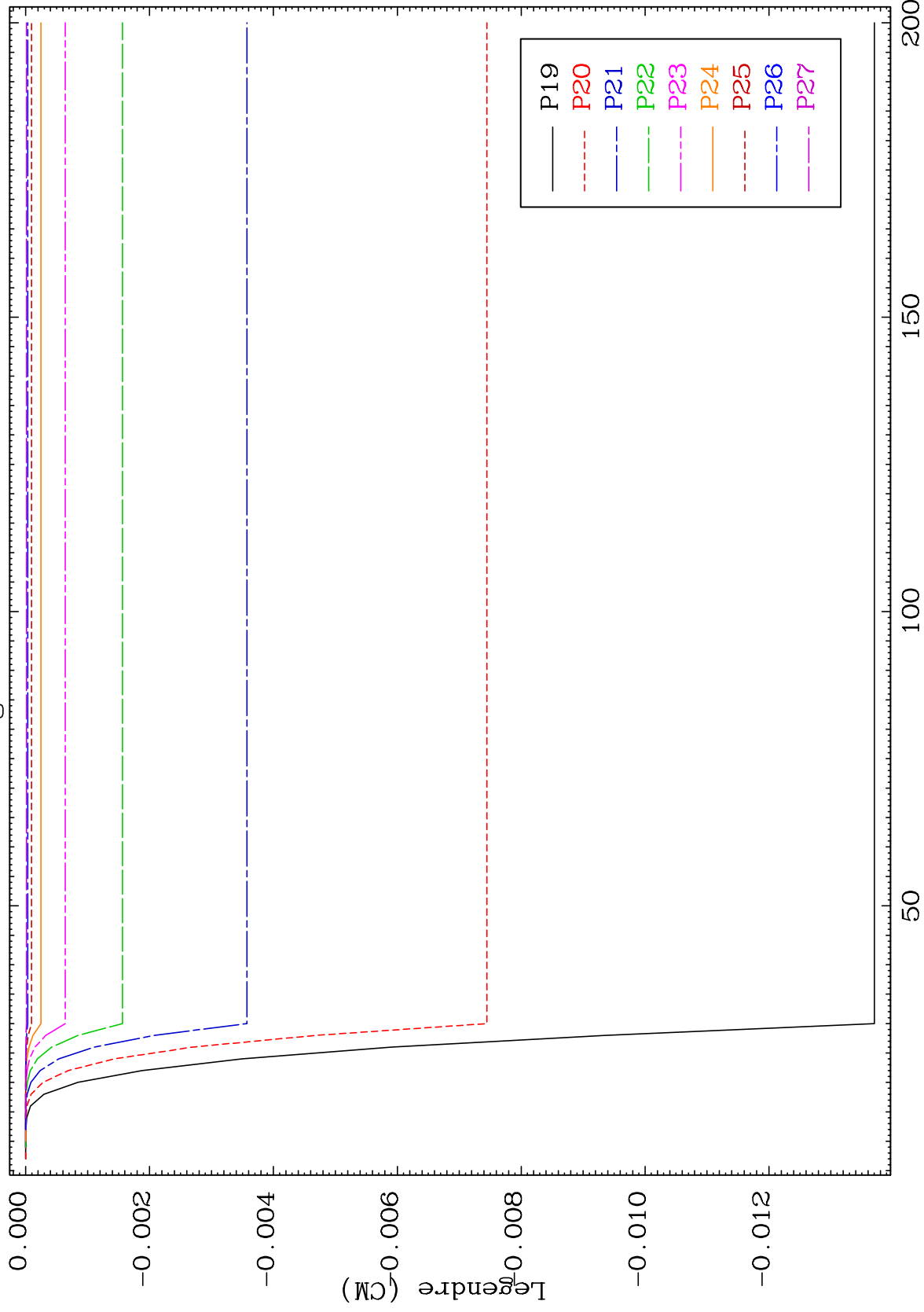
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



114

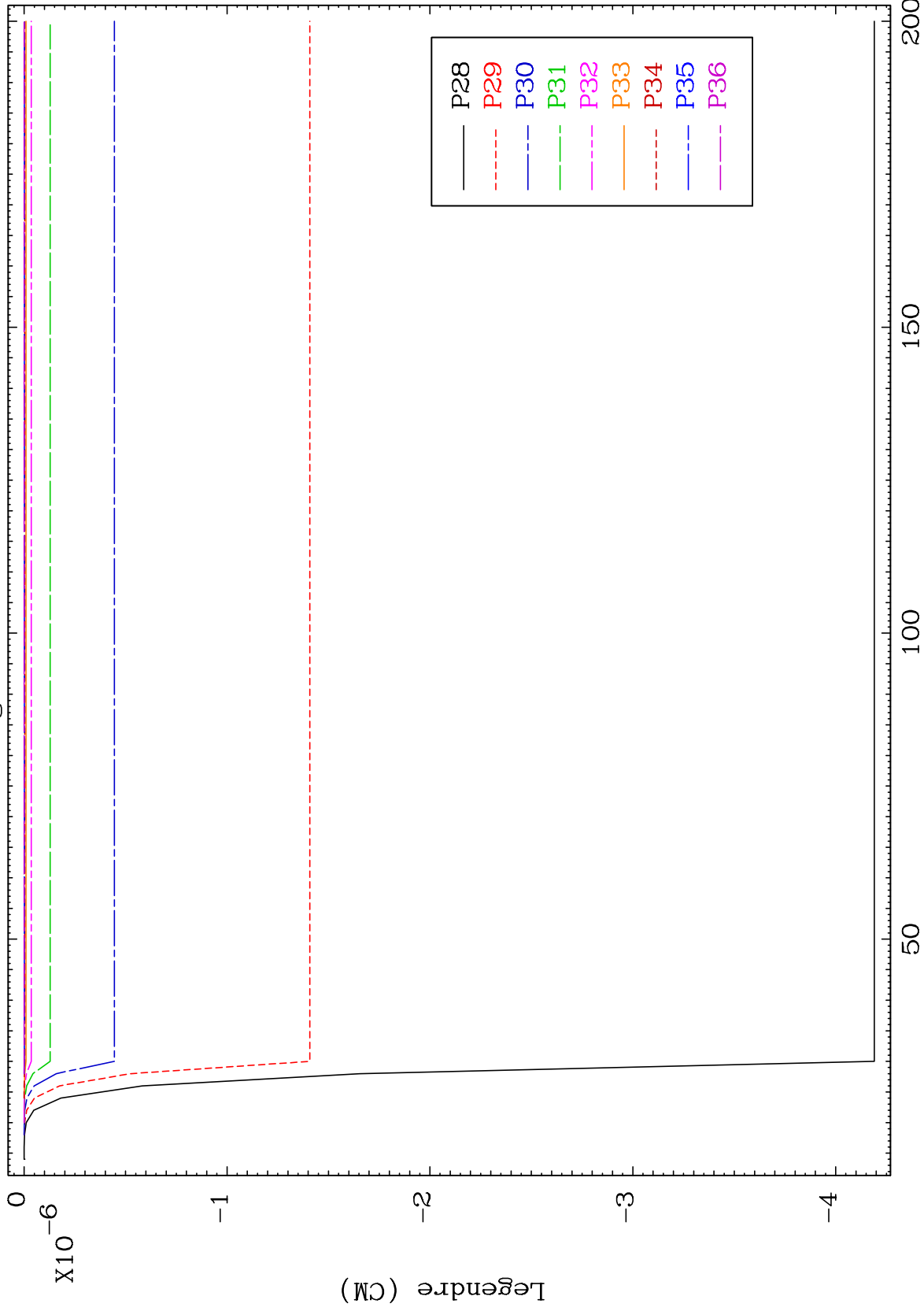
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



115

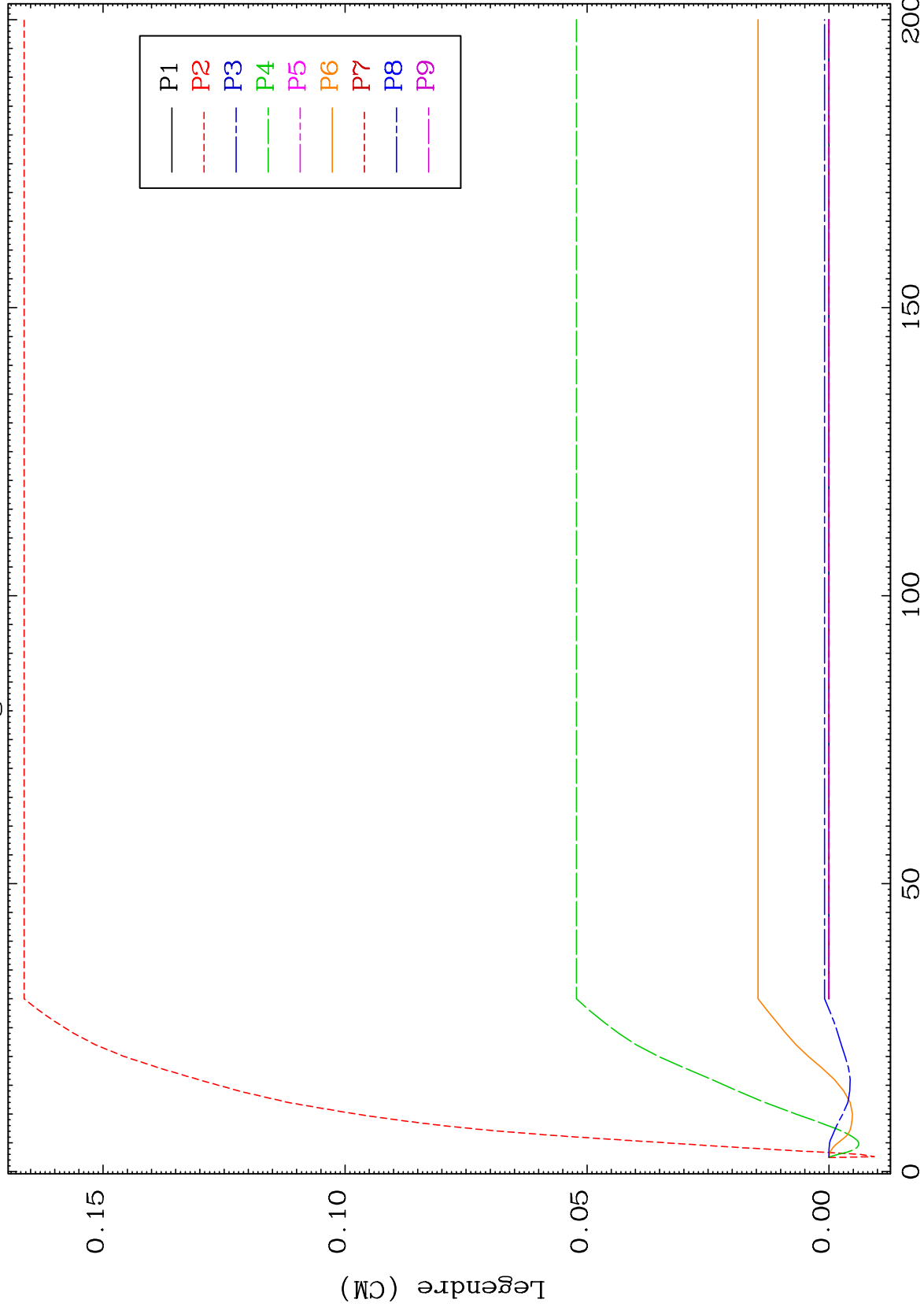
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



116

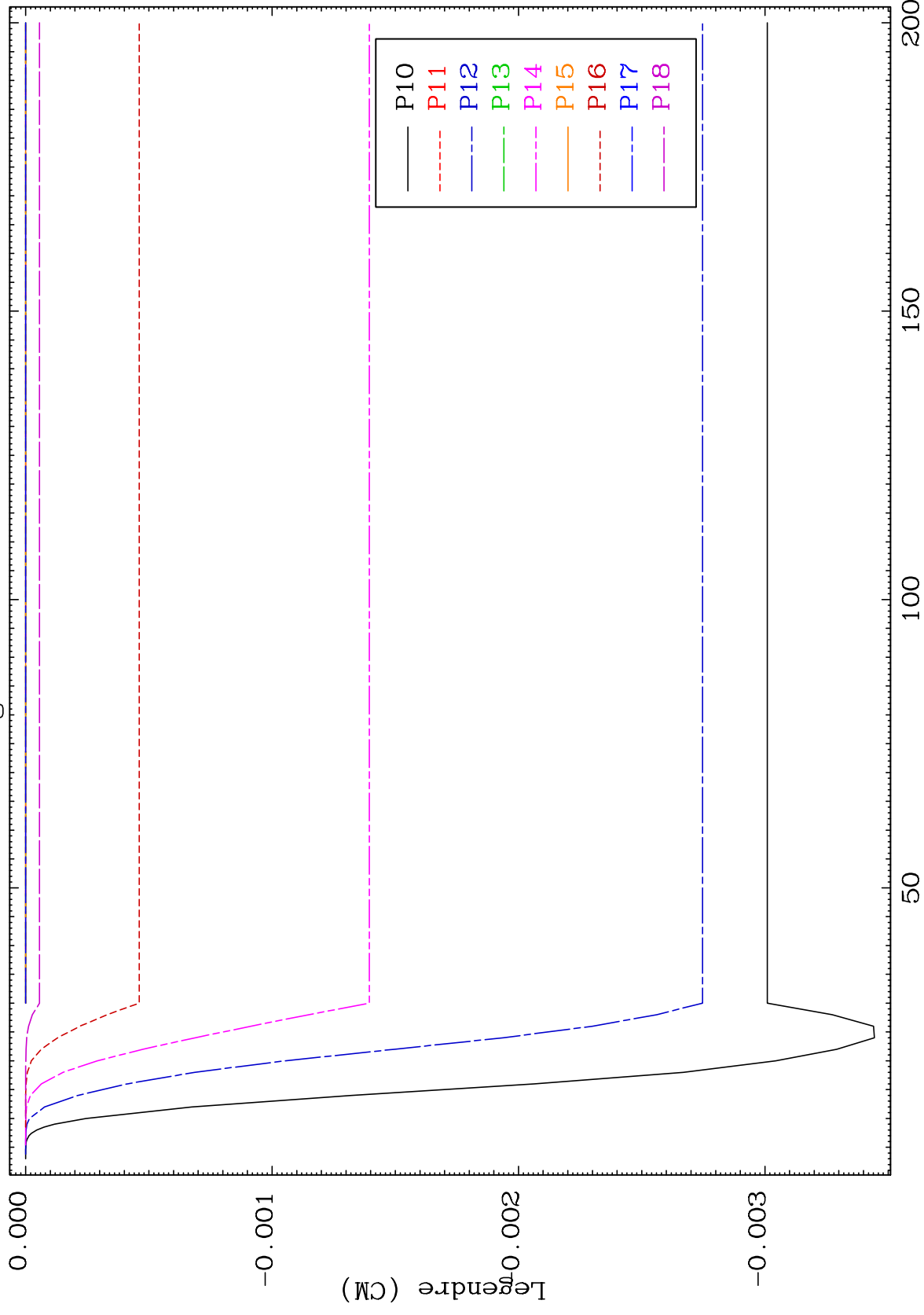
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

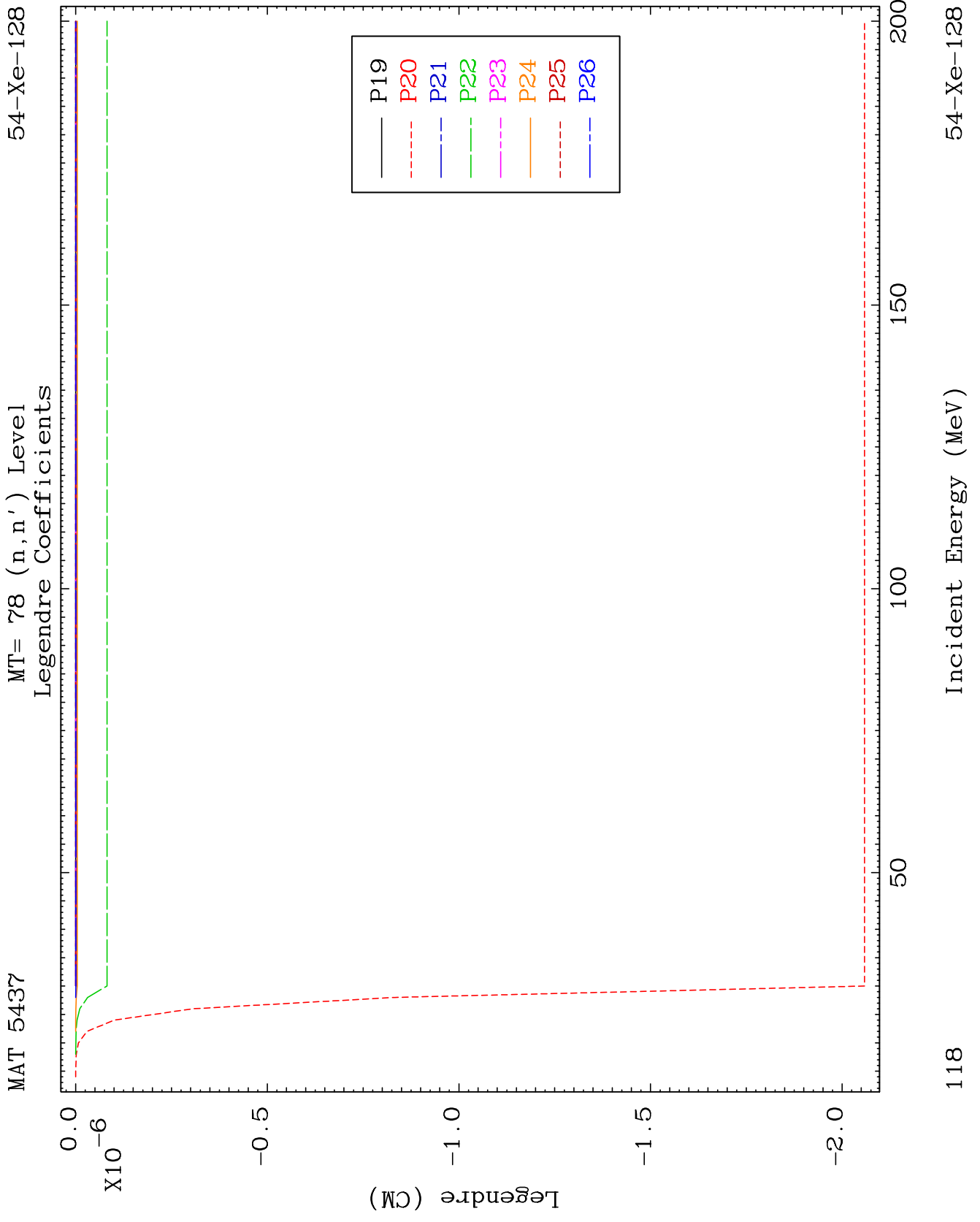
54-Xe-128

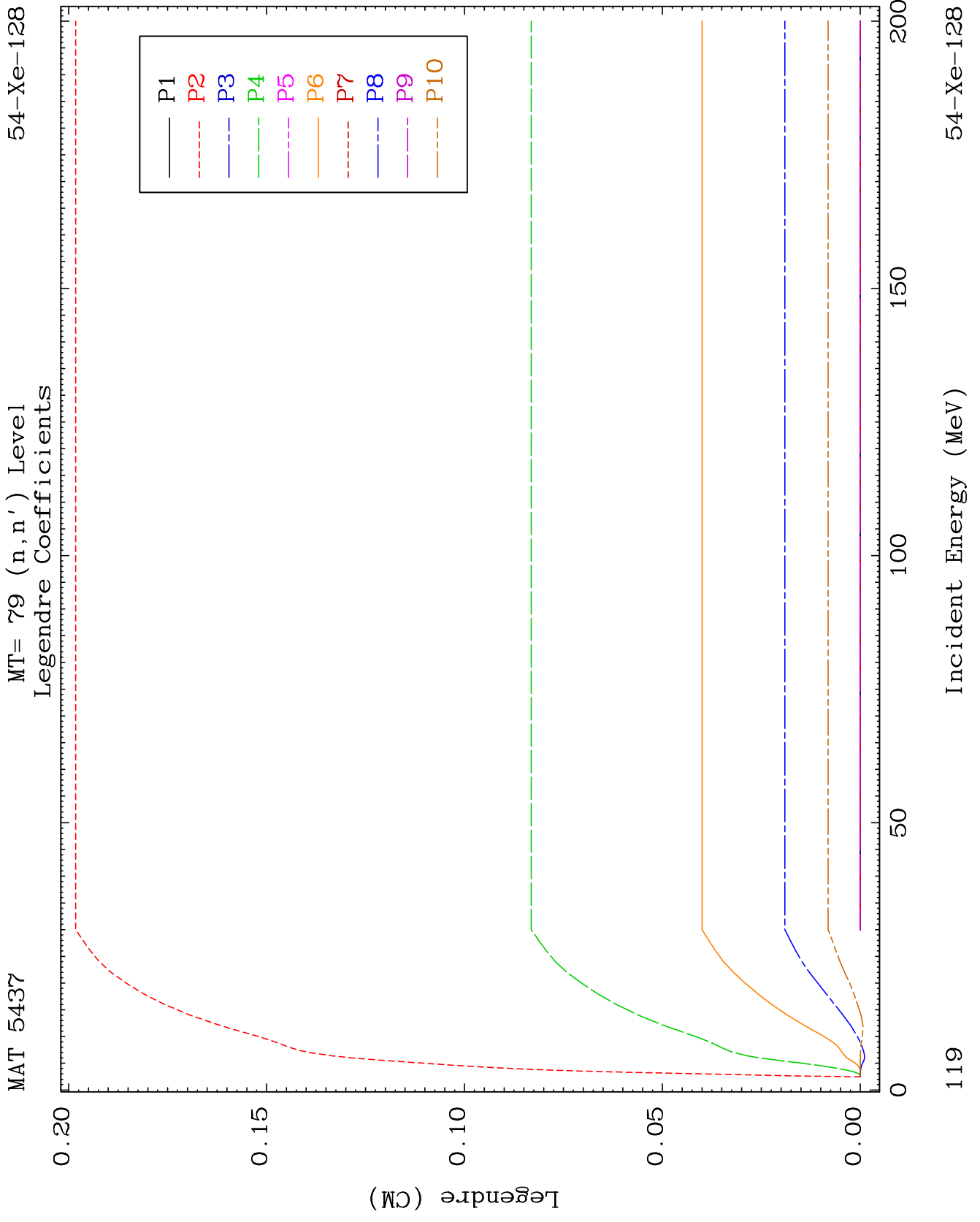


117

Incident Energy (MeV)

54-Xe-128



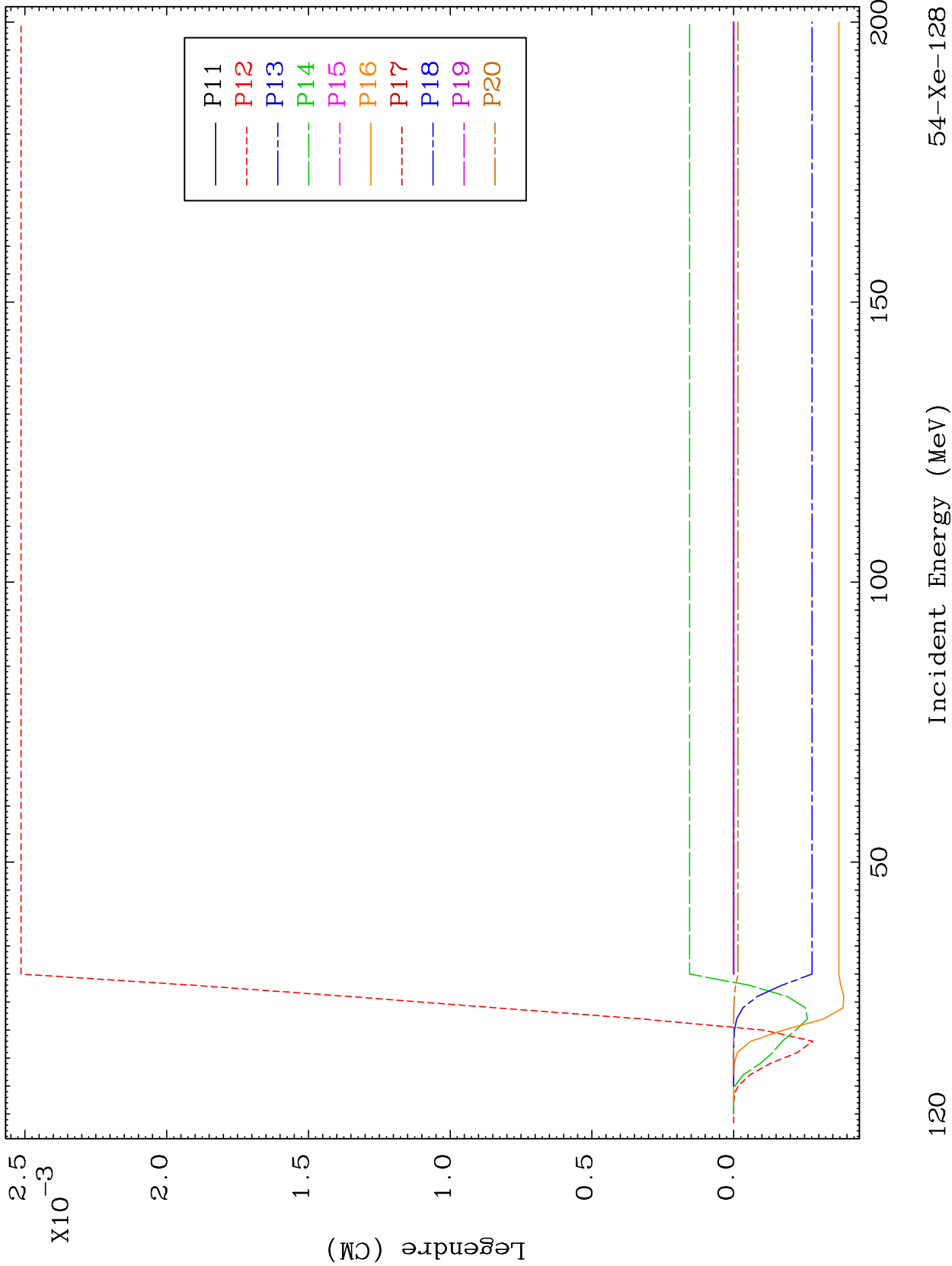




MAT 5437

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

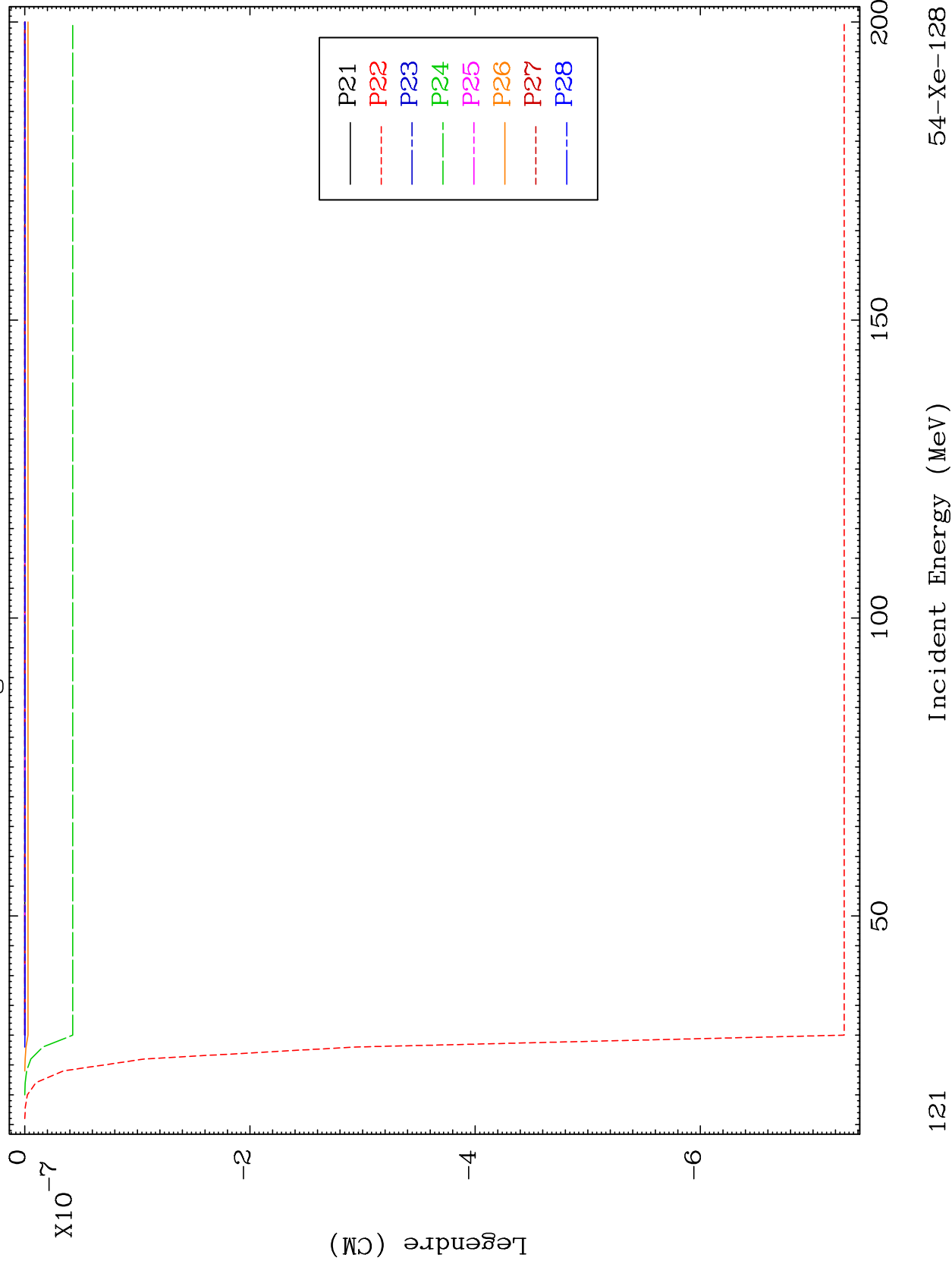
54-Xe-128



MAT 5437

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

54-Xe-128



121

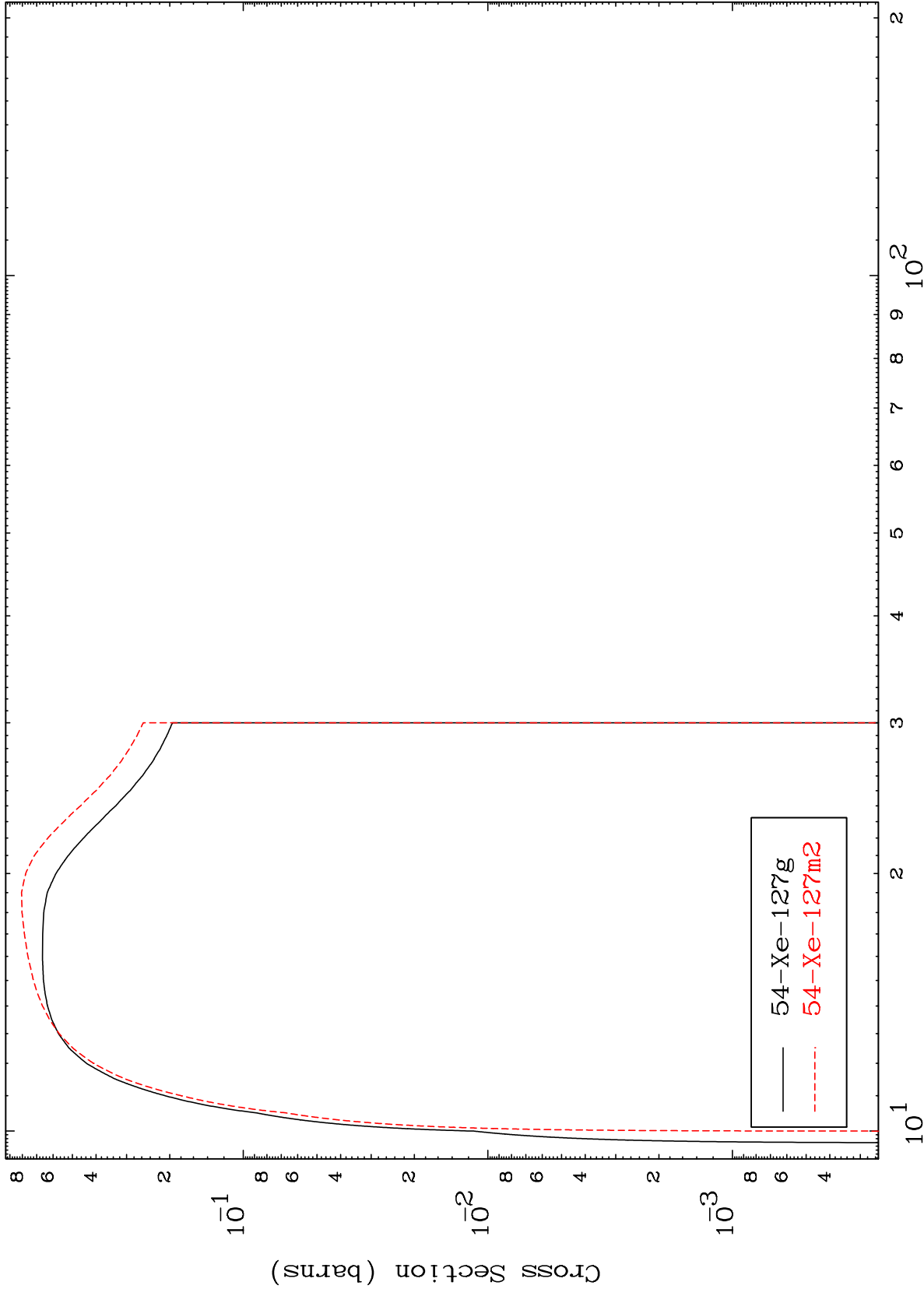
54-Xe-128

MAT 5437

(n,2n)

54-Xe-128

Radionuclide Production Cross Section

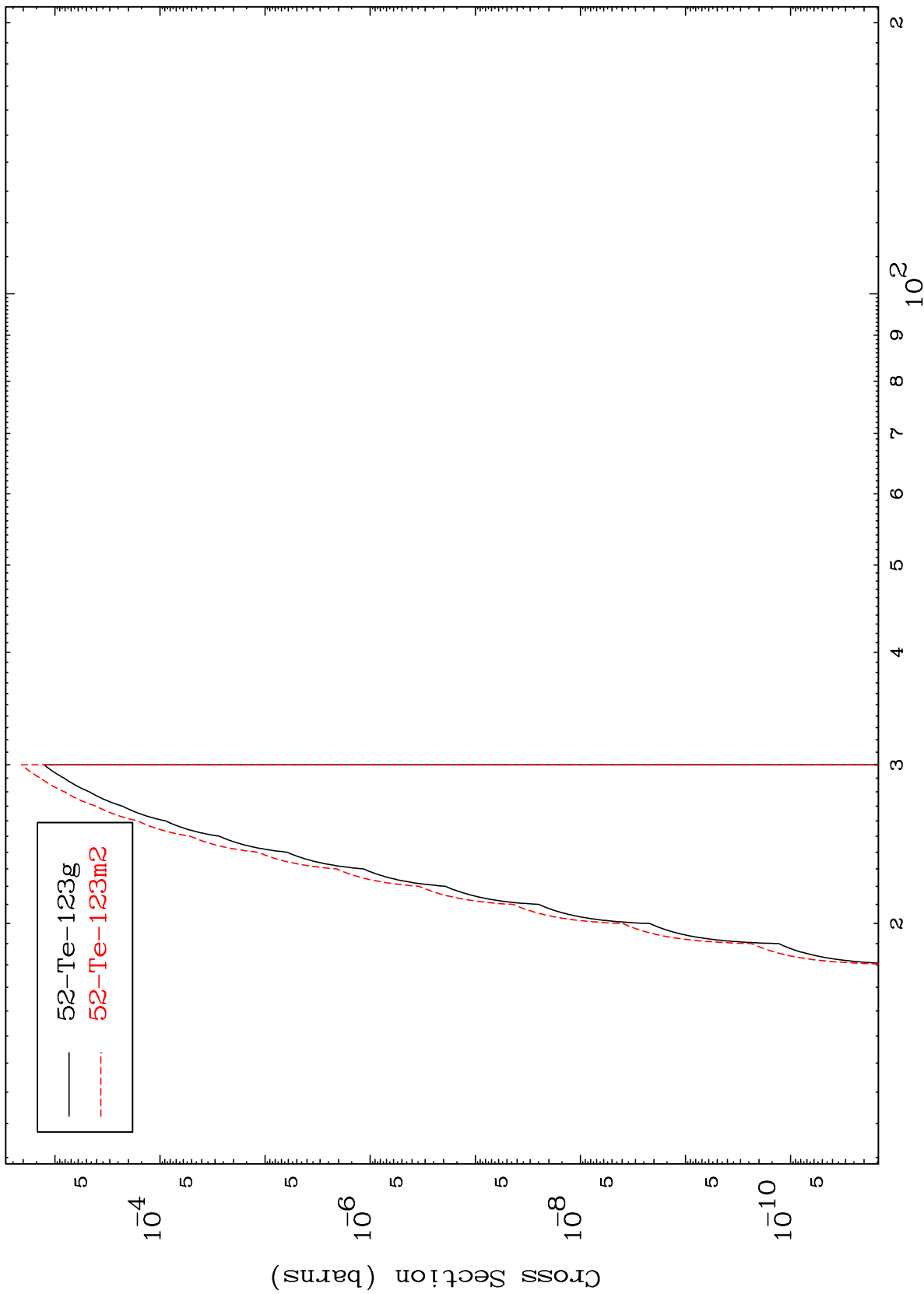


Incident Energy (MeV)

54-Xe-128

122

Radionuclide Production Cross Section

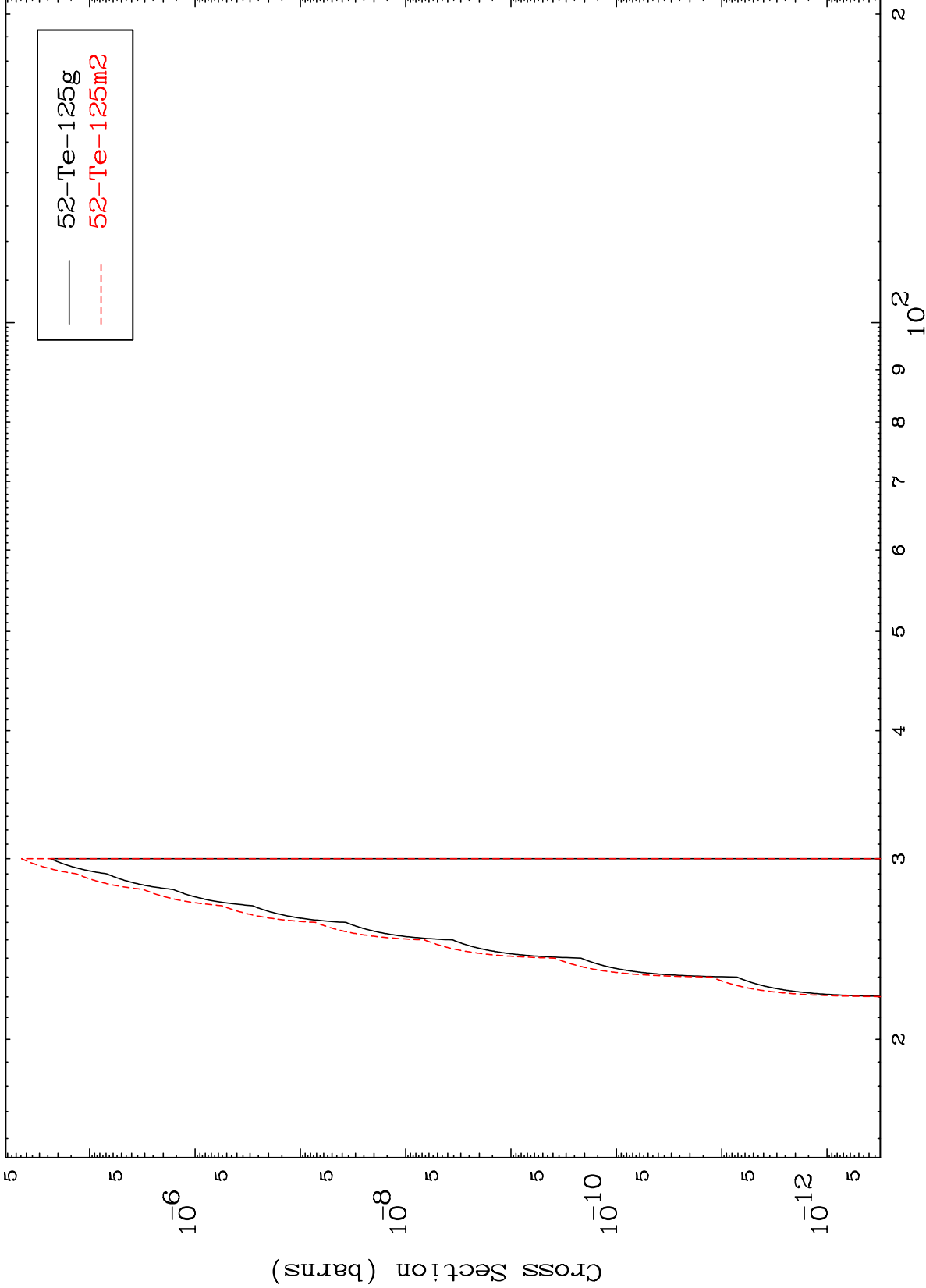


MAT 5437

(n,n') He-3

54-Xe-128

Radionuclide Production Cross Section



52-Te-125g  
52-Te-125m2

124

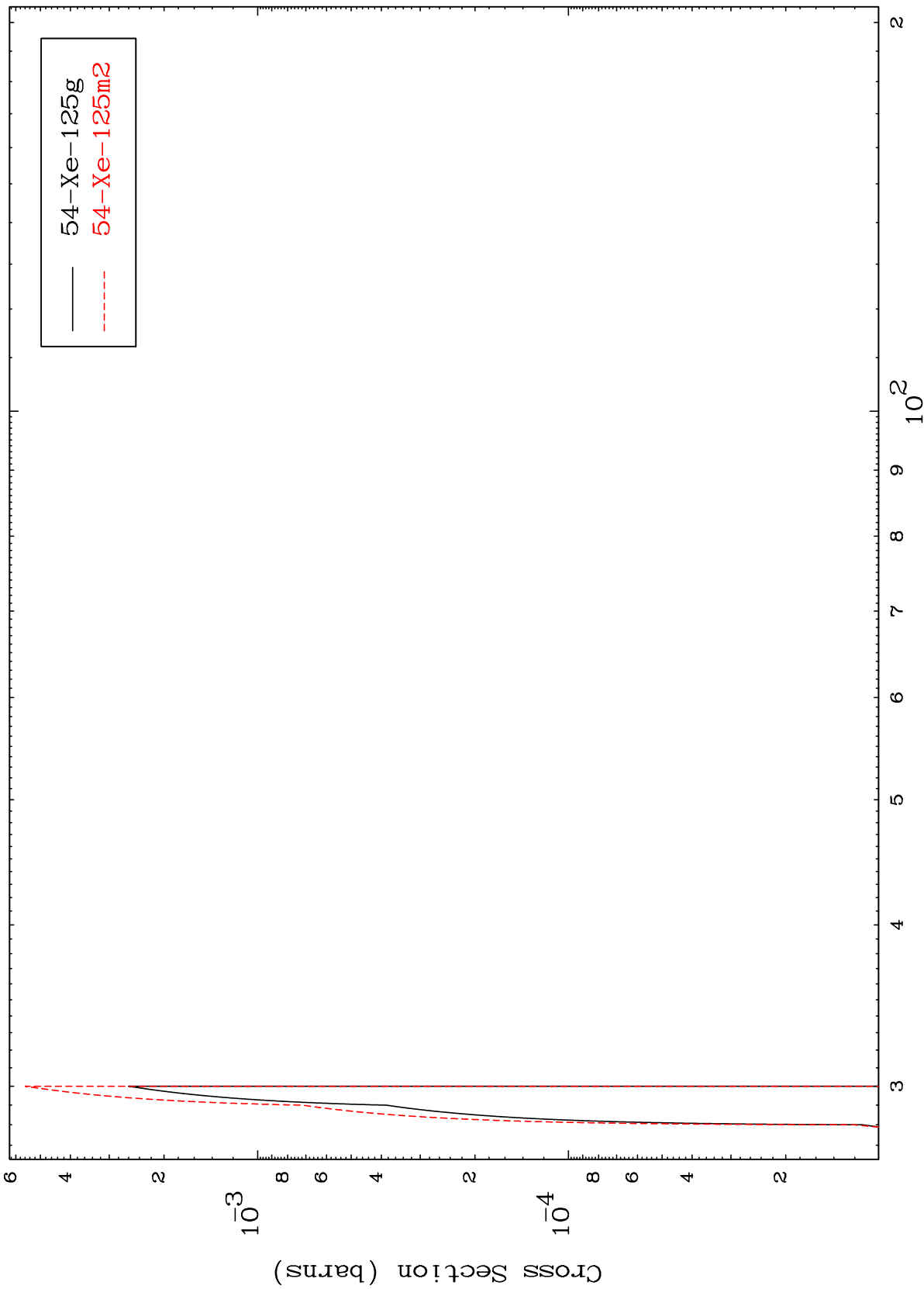
Incident Energy (MeV)

54-Xe-128

MAT 5437

54-Xe-128

(n,4n)  
Radionuclide Production Cross Section



125

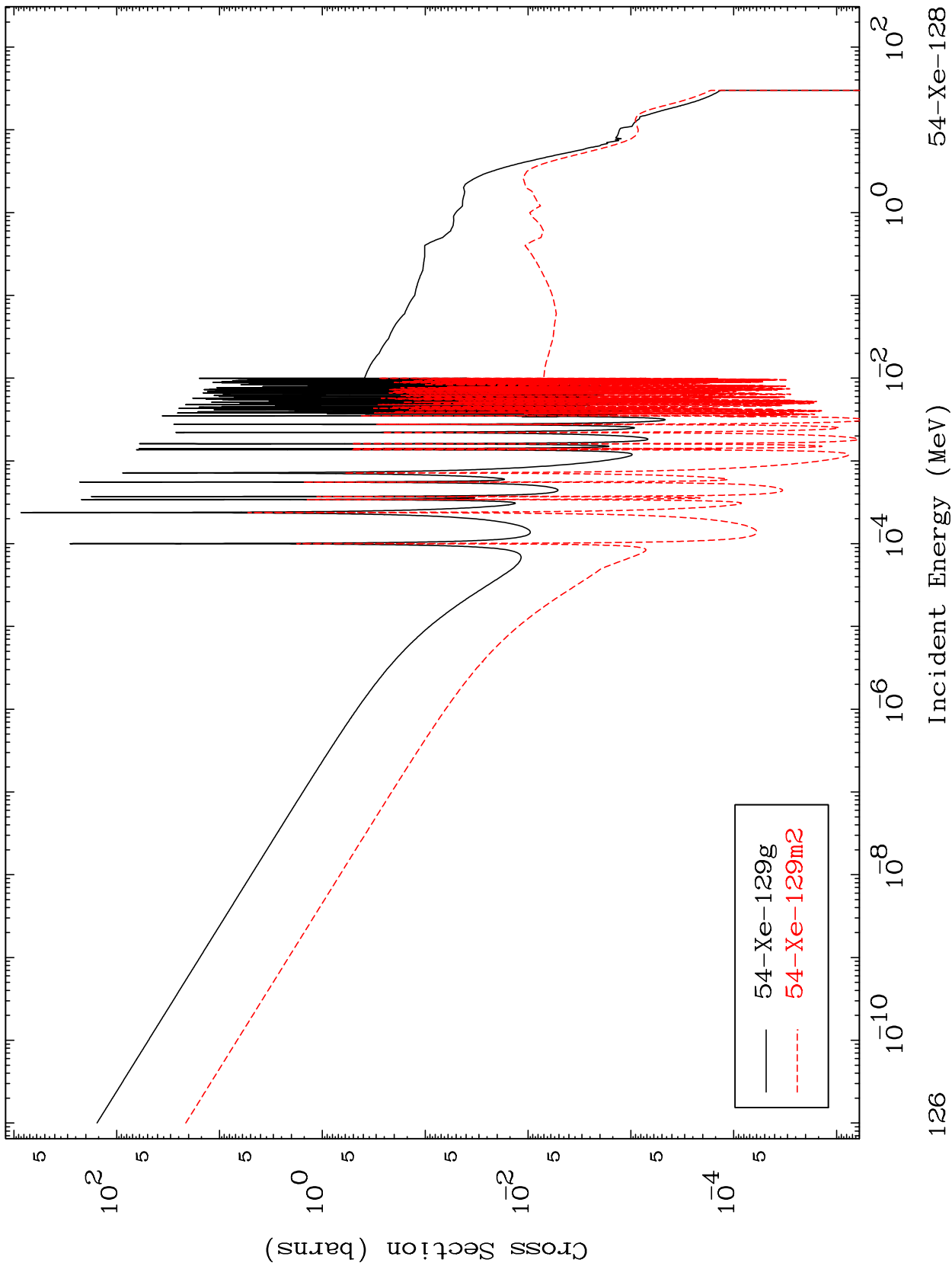
54-Xe-128

Incident Energy (MeV)

MAT 5437

54-Xe-128

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



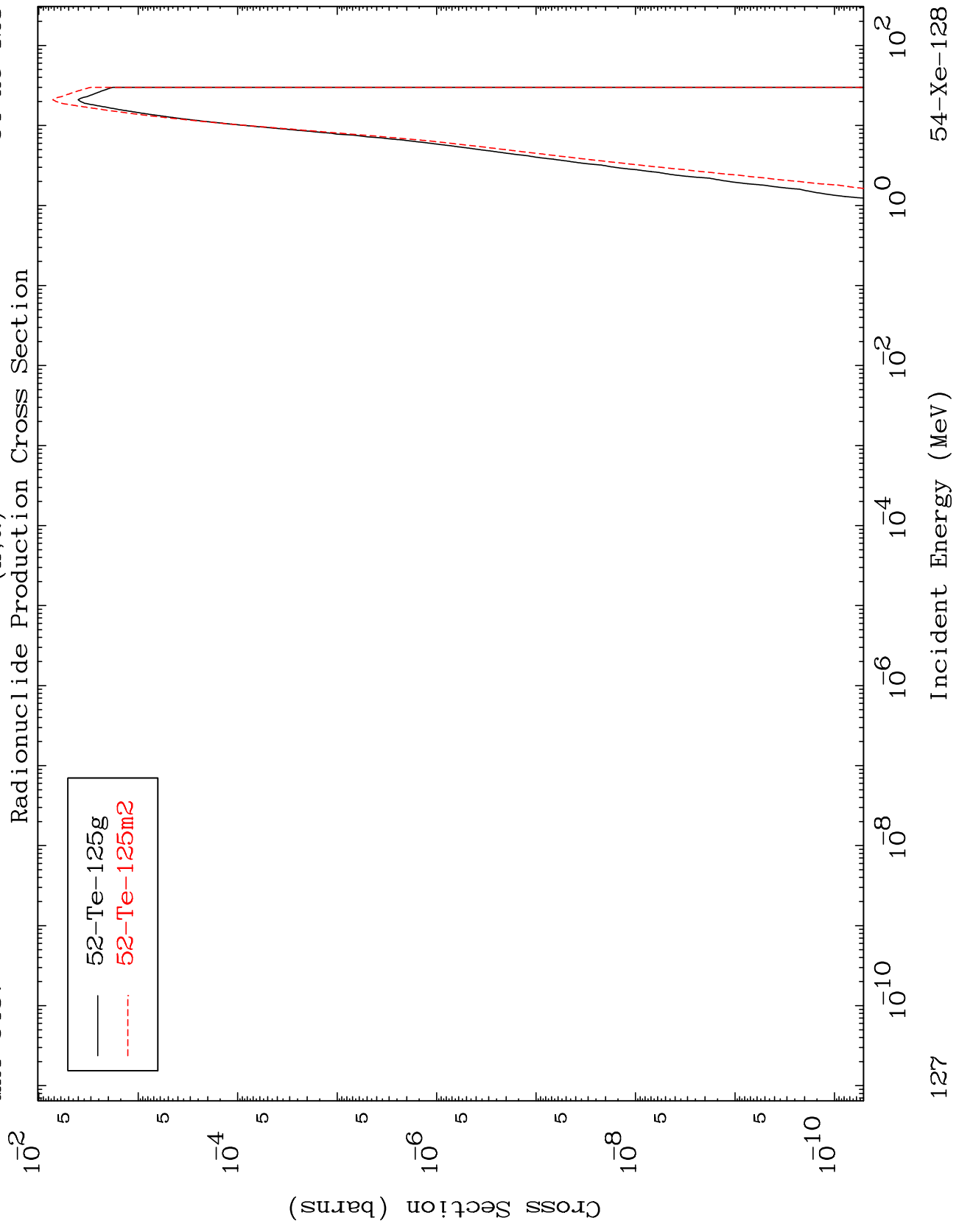
126

54-Xe-128

MAT 5437

(n,  $\alpha$ )

54-Xe-128



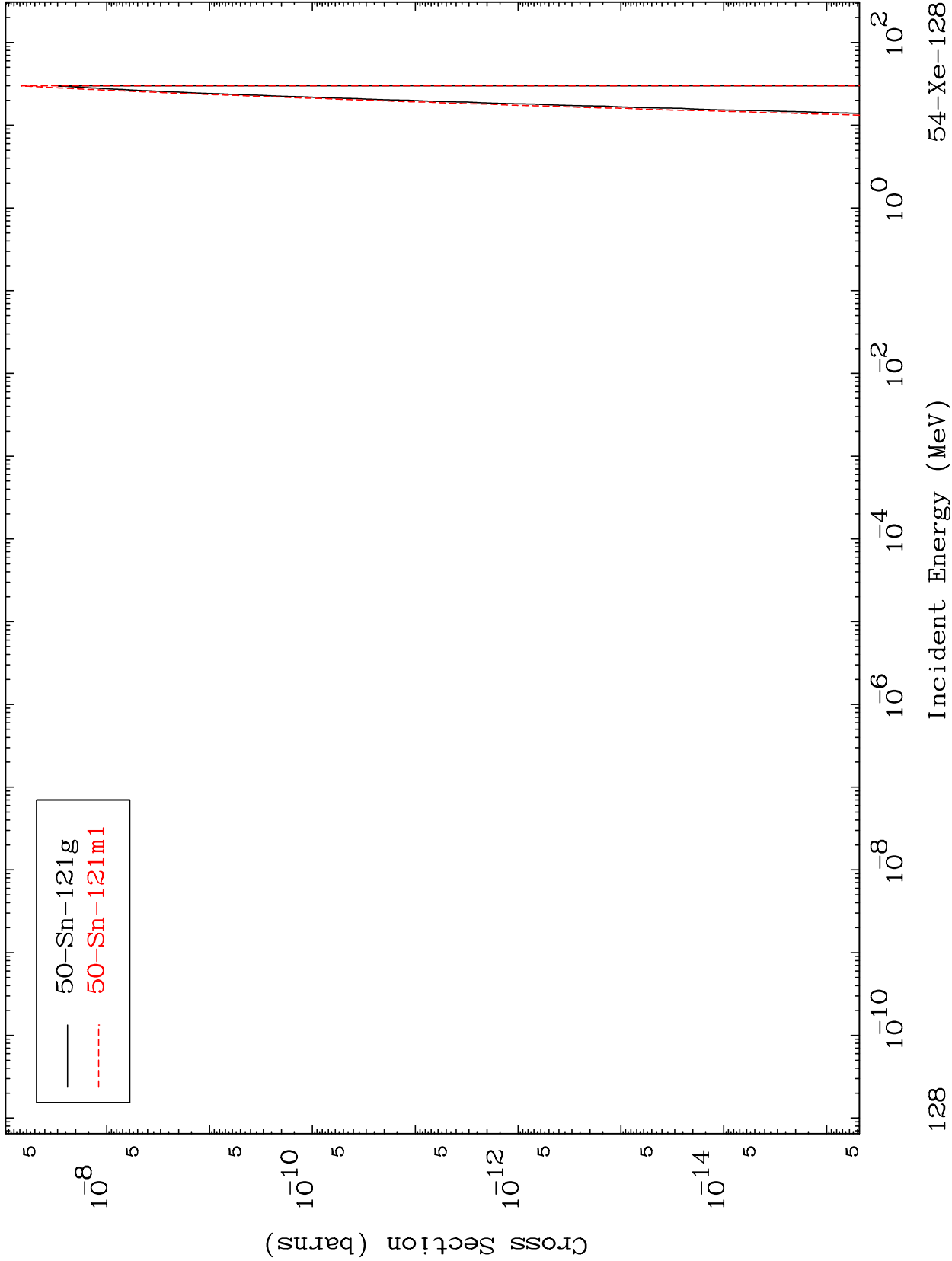


MAT 5437

(n,2α)

54-Xe-128

Radionuclide Production Cross Section



128

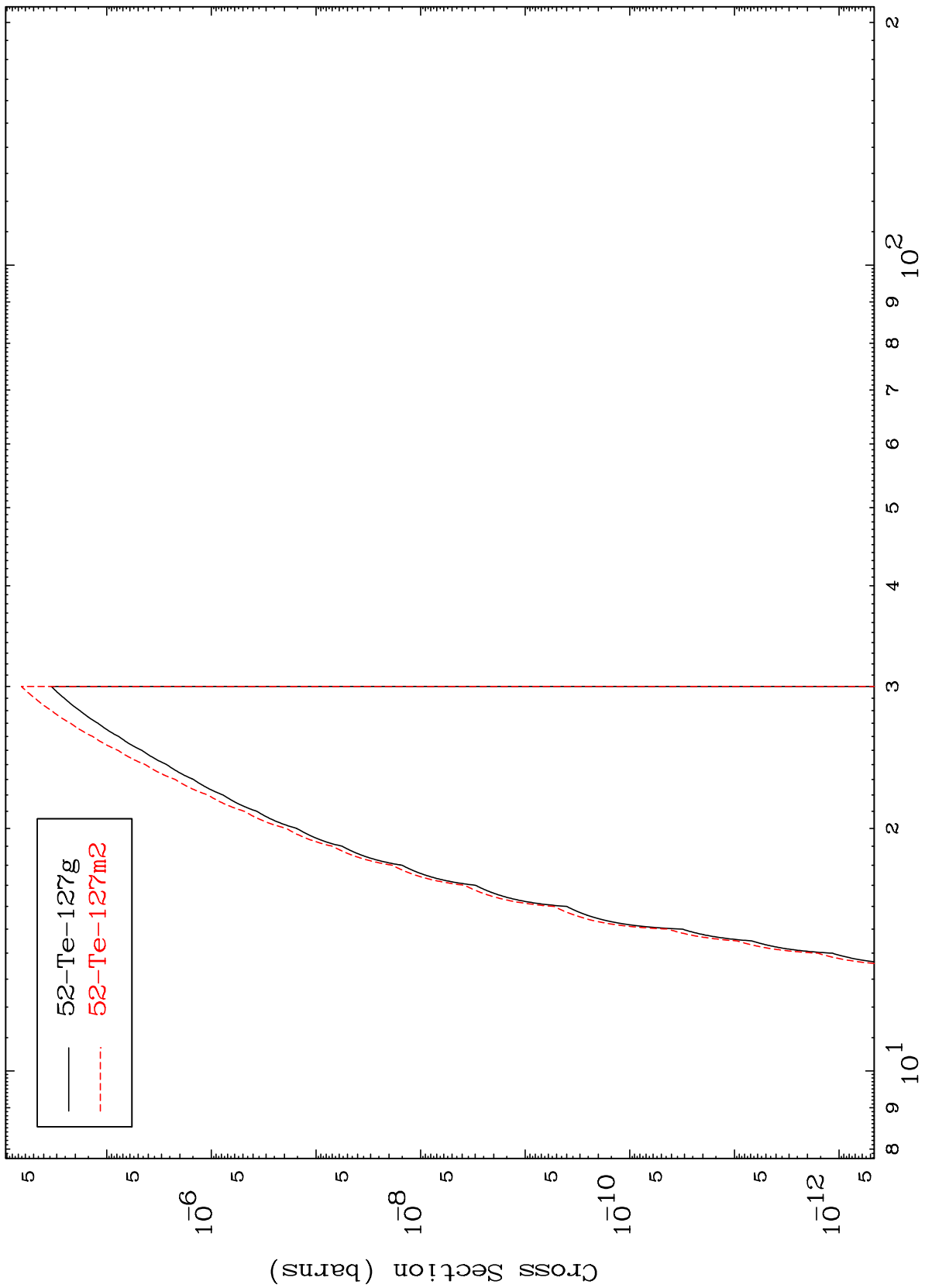
Incident Energy (MeV)

54-Xe-128

MAT 5437

54-Xe-128

(n,2p)  
Radionuclide Production Cross Section



129

Incident Energy (MeV)

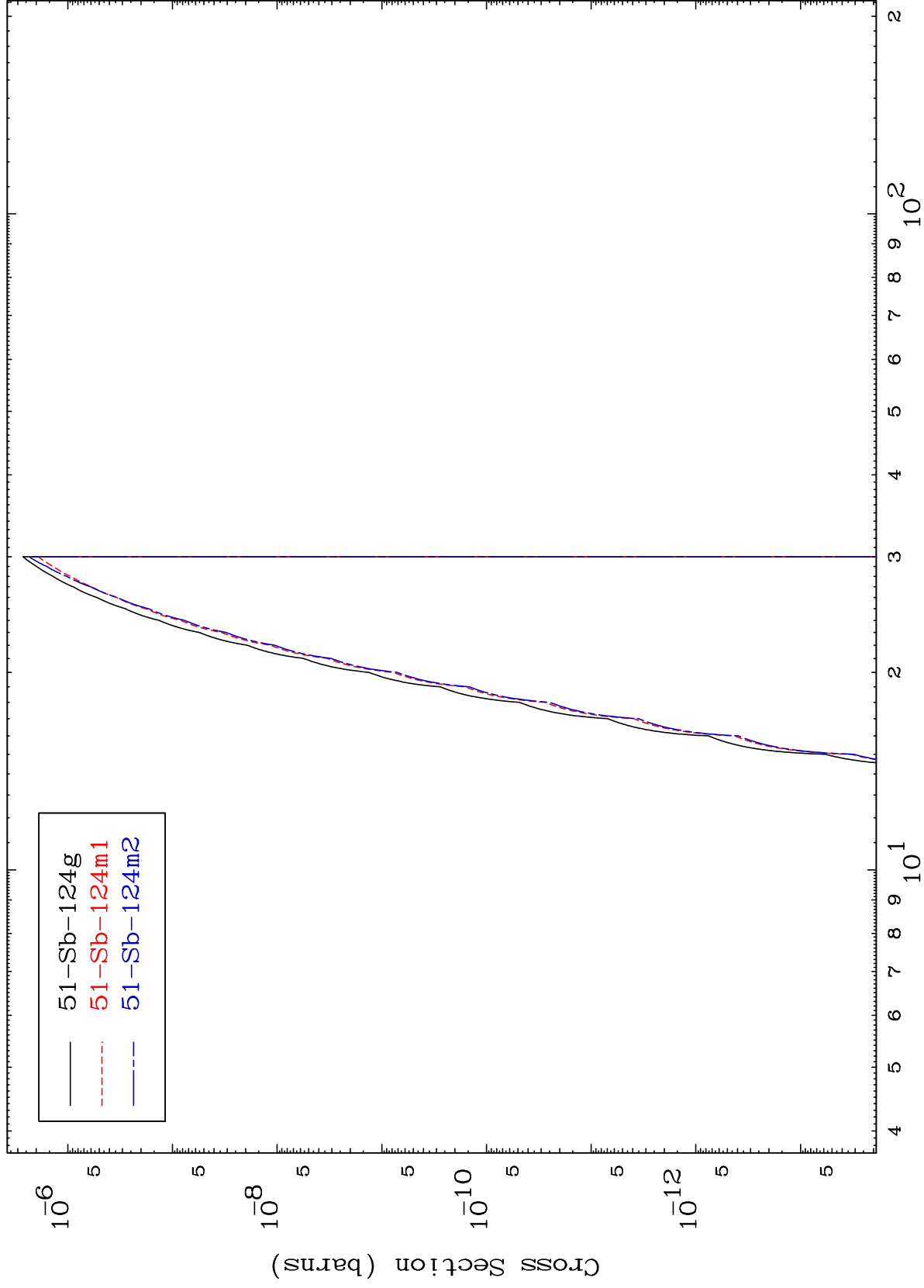
54-Xe-128

MAT 5437

(n,p)  $\alpha$

54-Xe-128

Radionuclide Production Cross Section



130

Incident Energy (MeV)

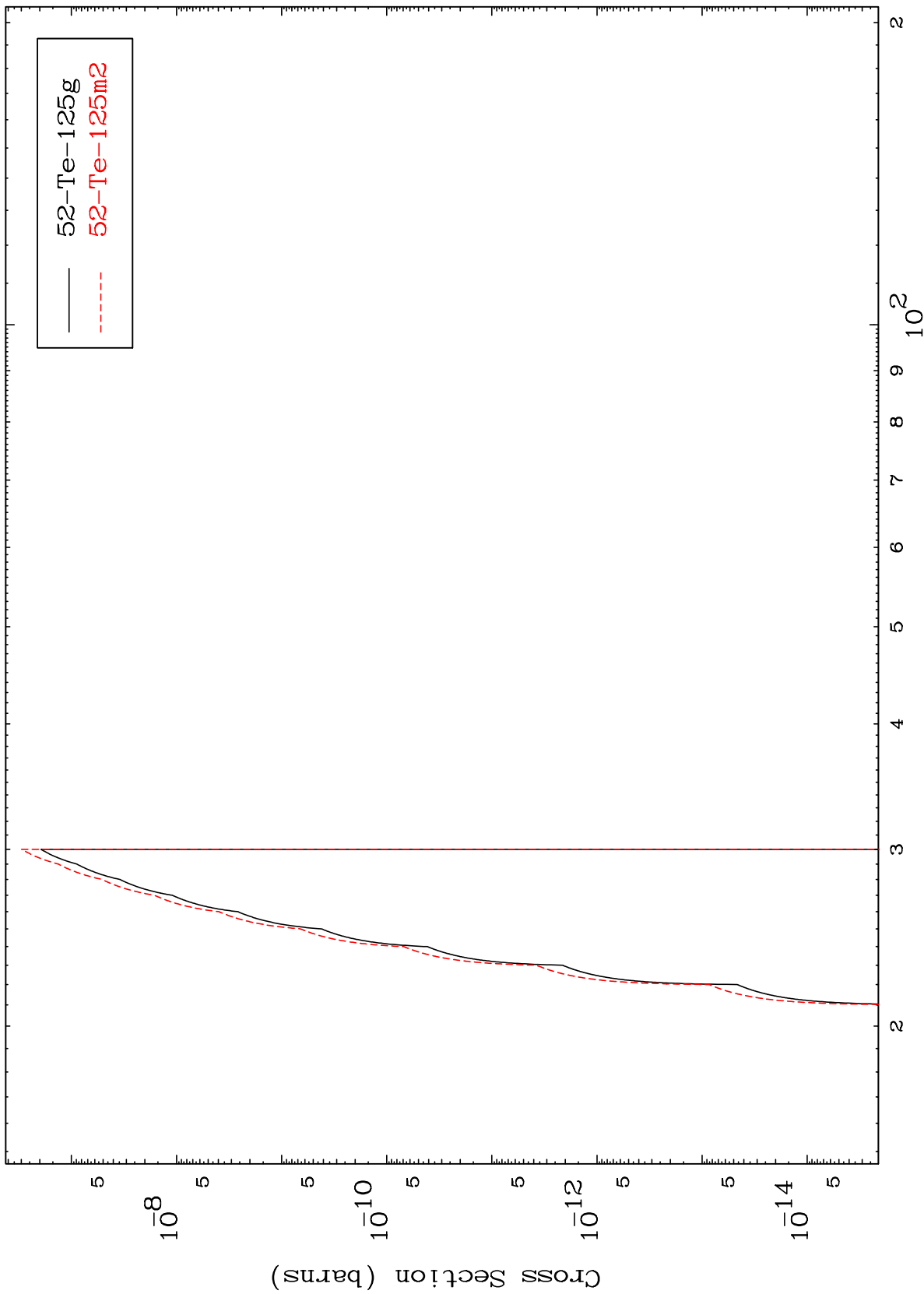
54-Xe-128

MAT 5437

(n,p) t

54-Xe-128

Radionuclide Production Cross Section



131

Incident Energy (MeV)

54-Xe-128