

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

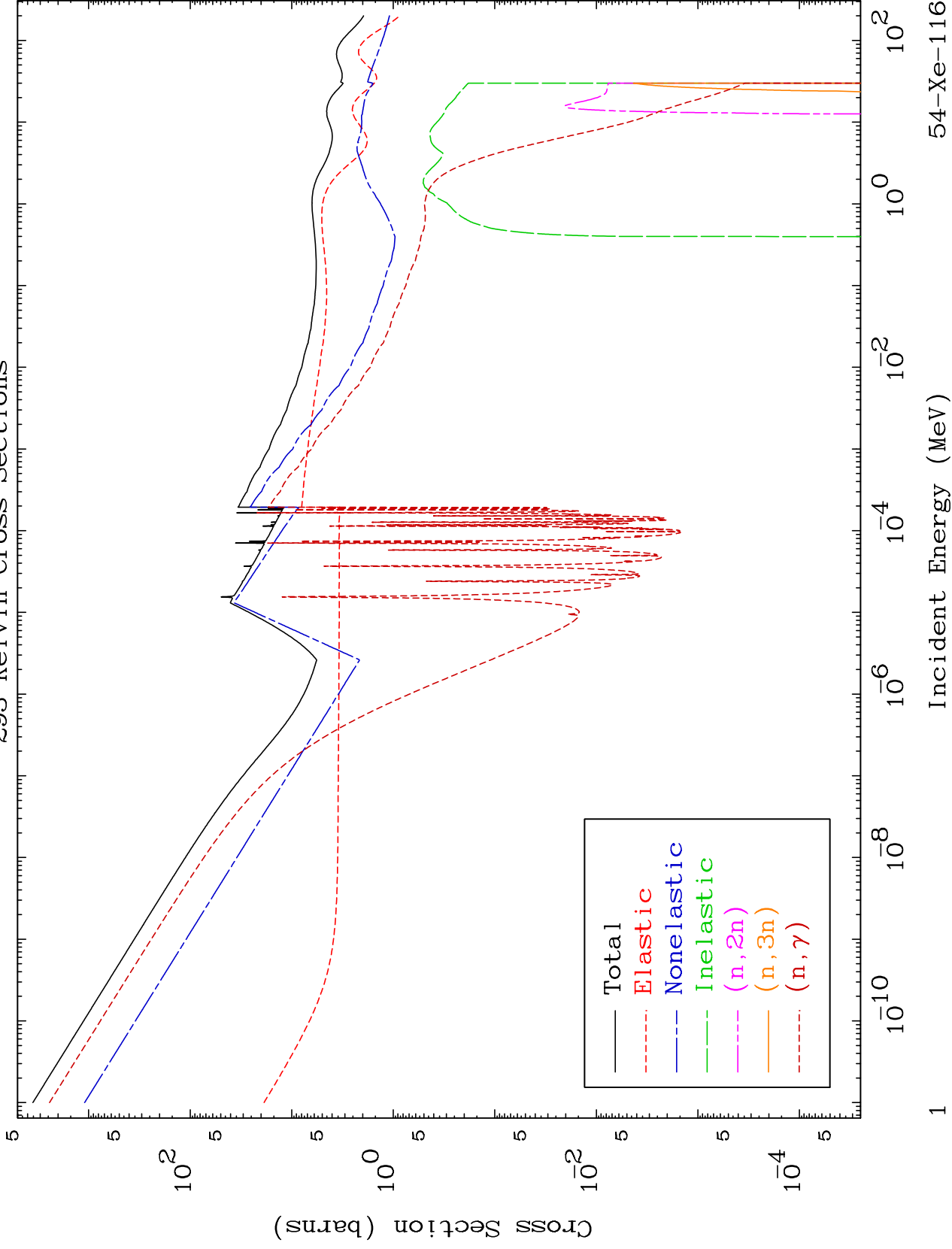
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Press Mouse Button to Start

MAT 5401

Neutron Major
293 Kelvin Cross Sections

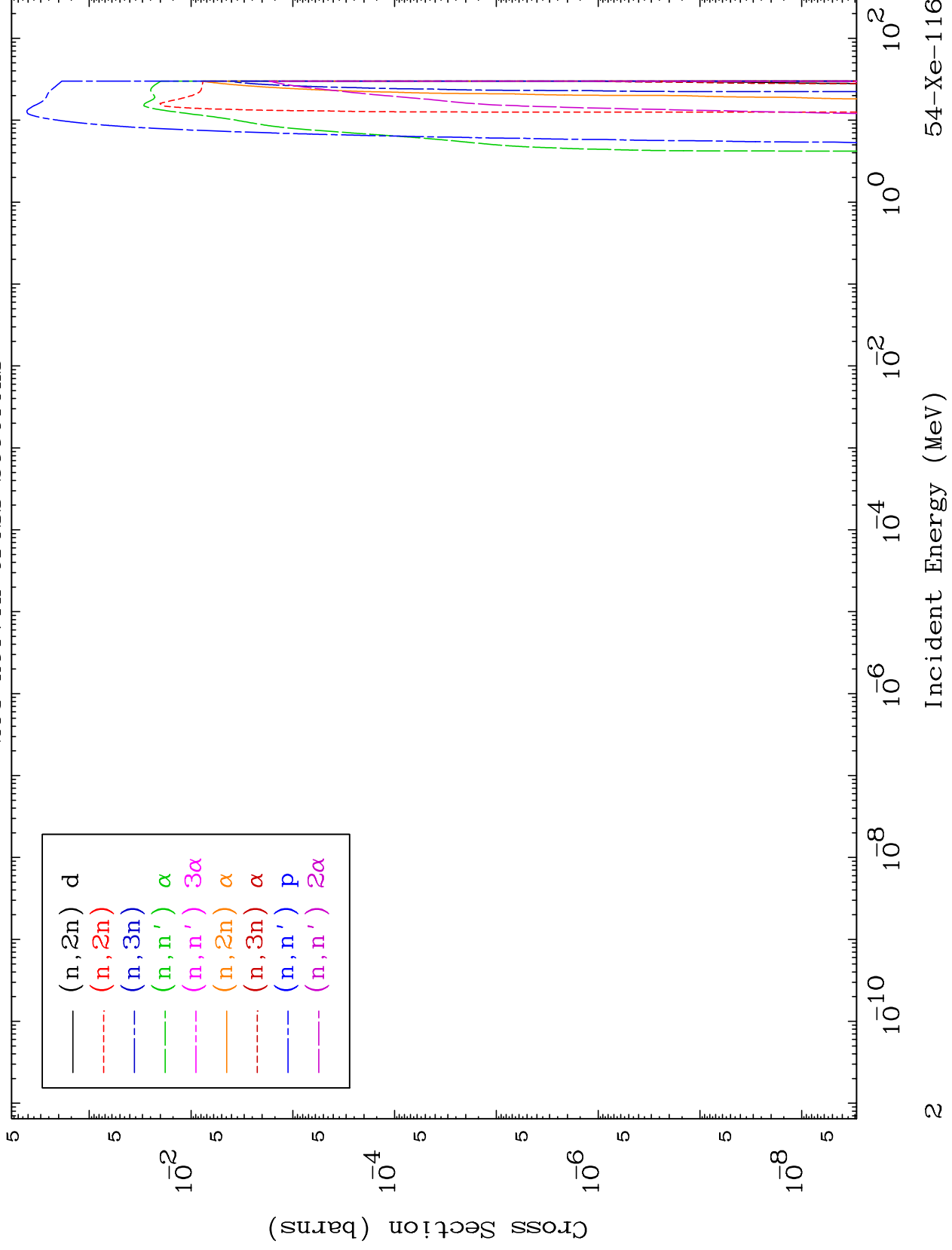
54-Xe-116



MAT 5401

Neutron Absorption
293 Kelvin Cross Sections

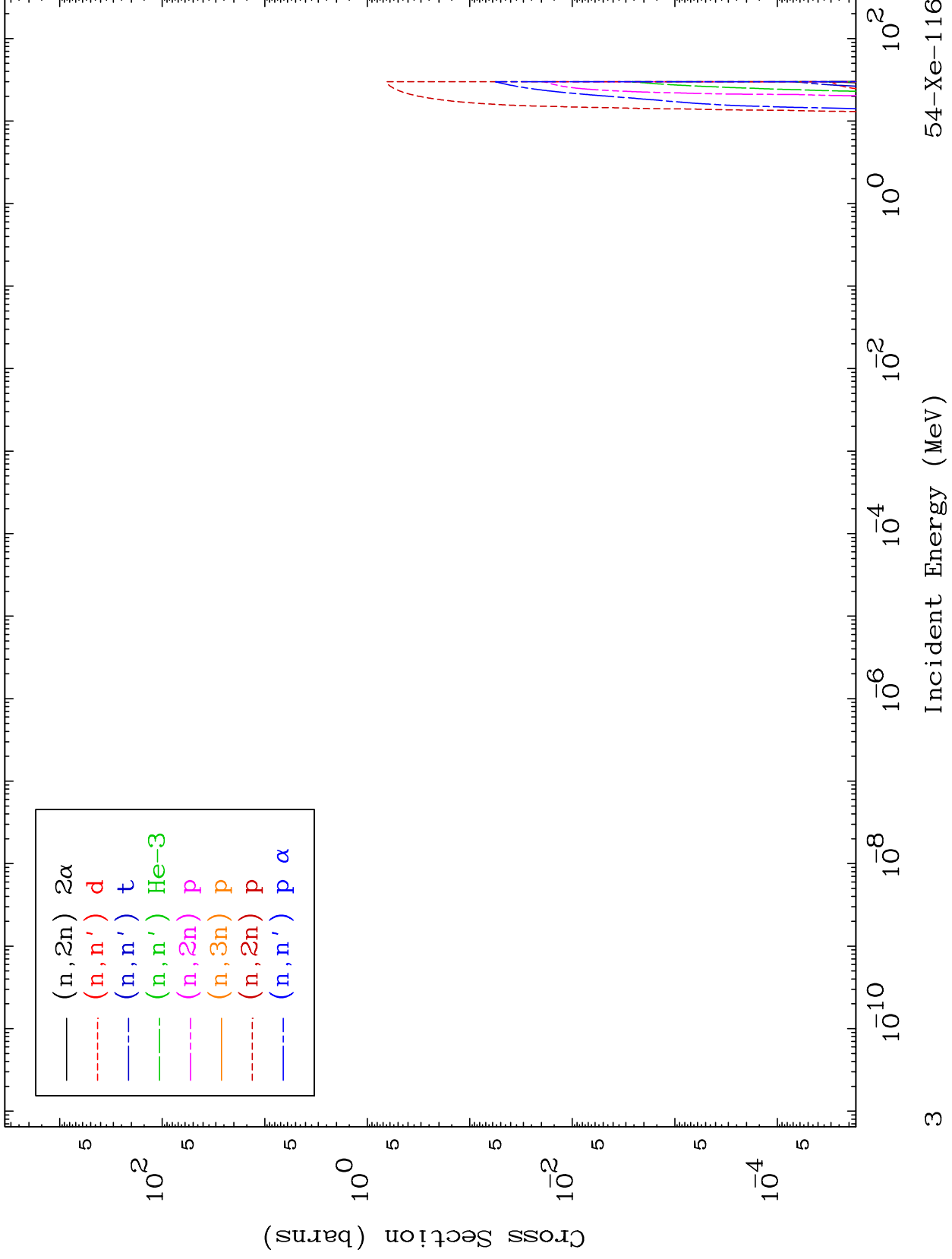
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MAT 5401

Neutron Absorption
293 Kelvin Cross Sections

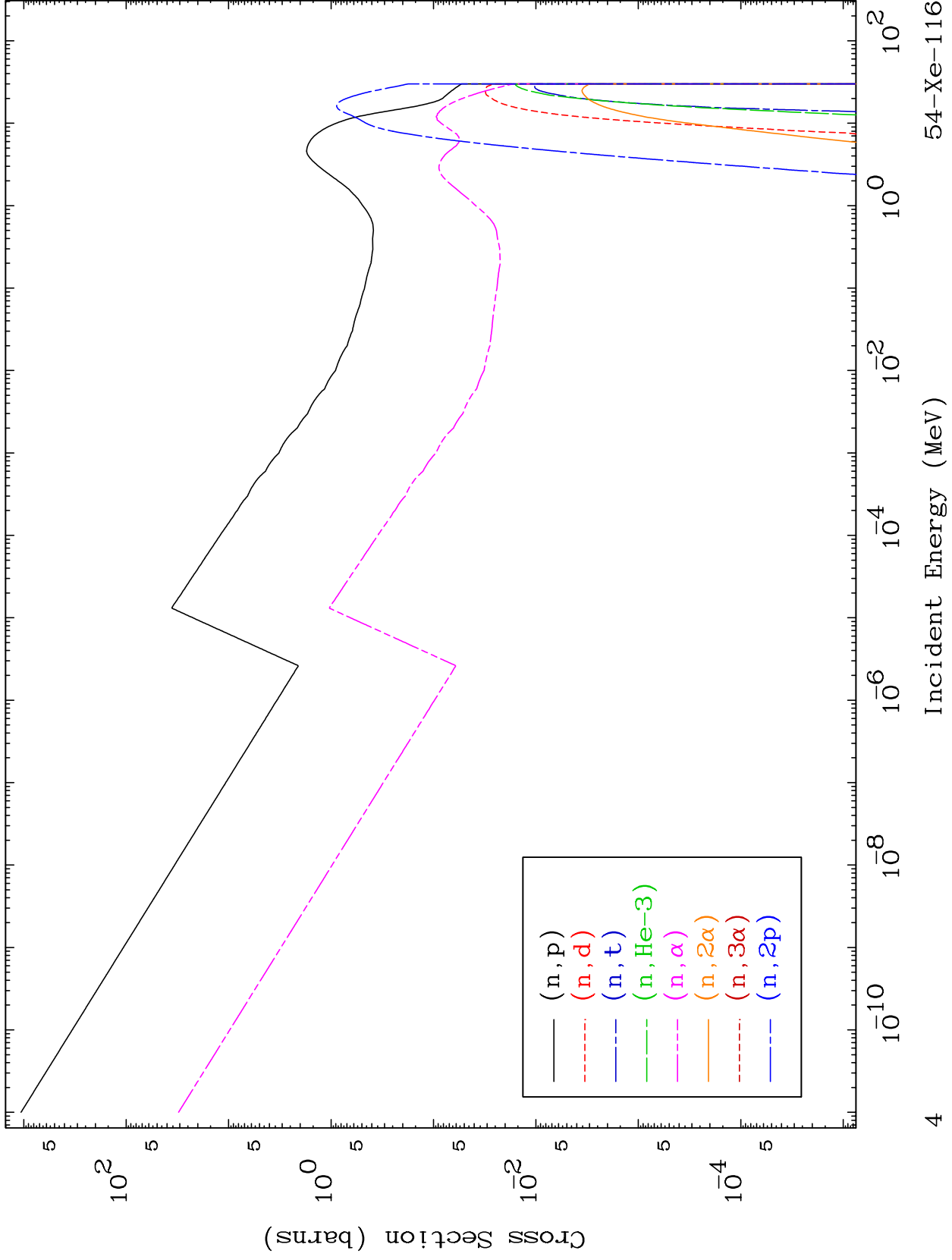
54-Xe-116



MAT 5401

Neutron Absorption
293 Kelvin Cross Sections

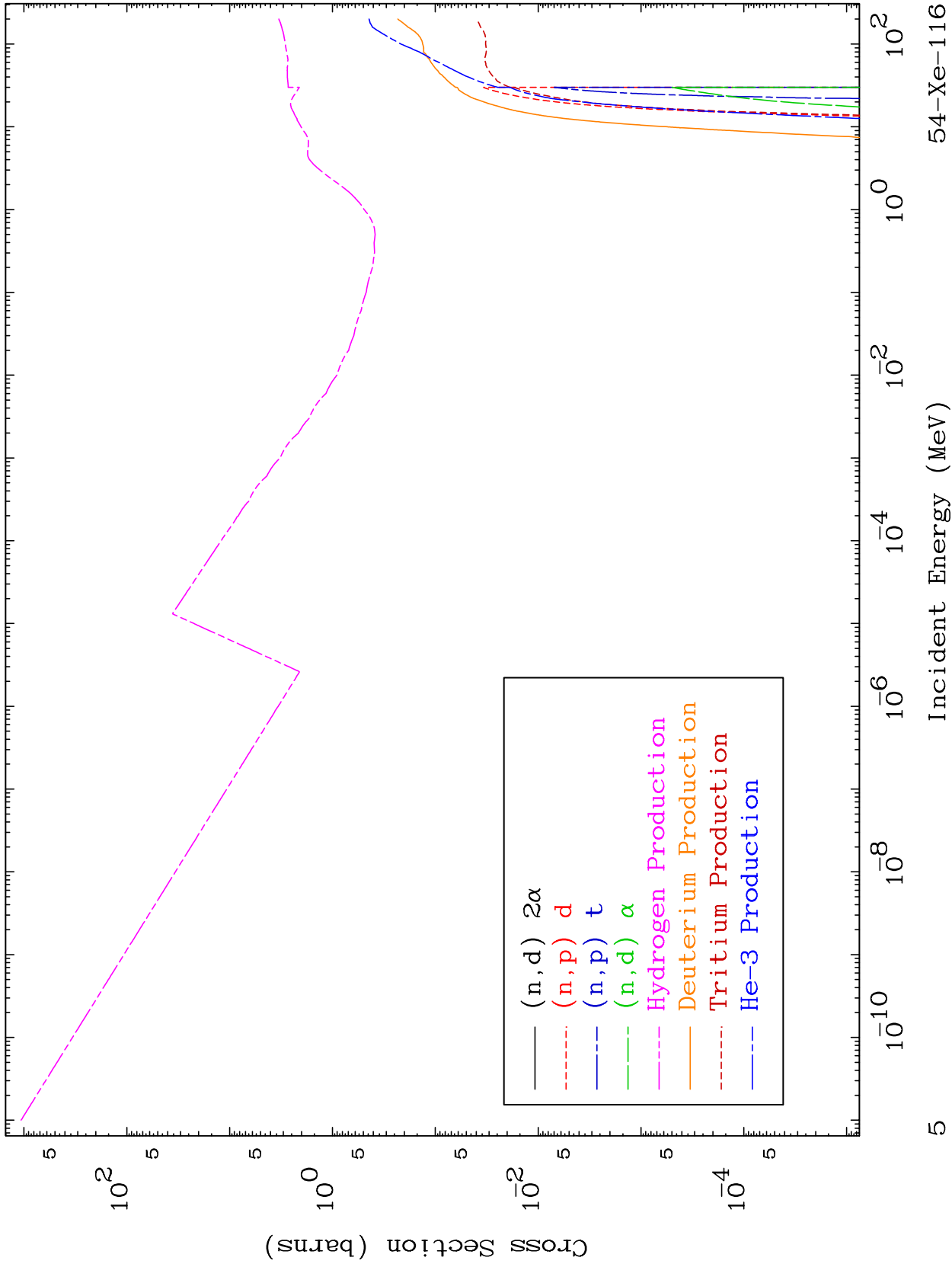
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MAT 5401

Neutron Absorption
293 Kelvin Cross Sections

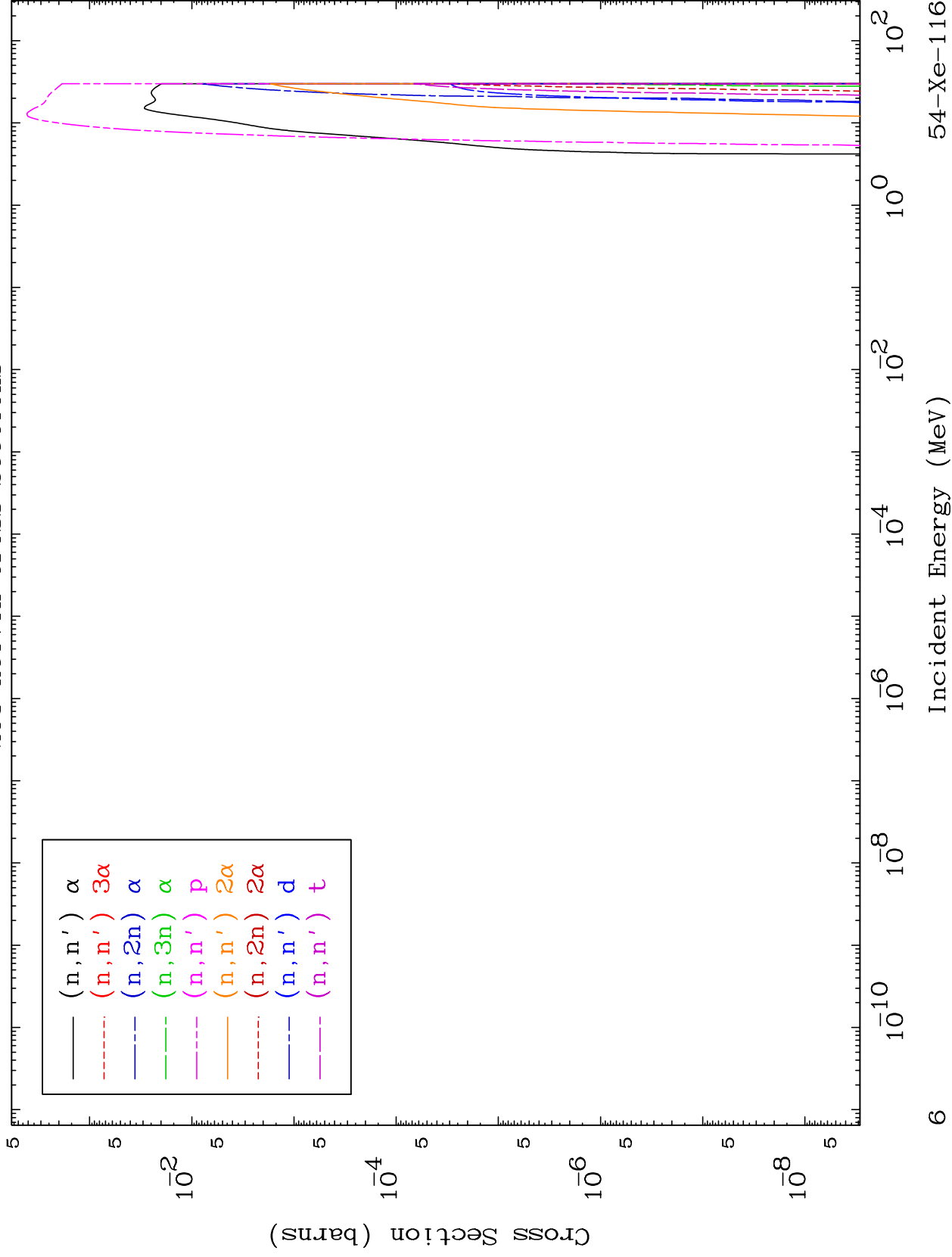
54-Xe-116



MAT 5401

Charged Particle
293 Kelvin Cross Sections

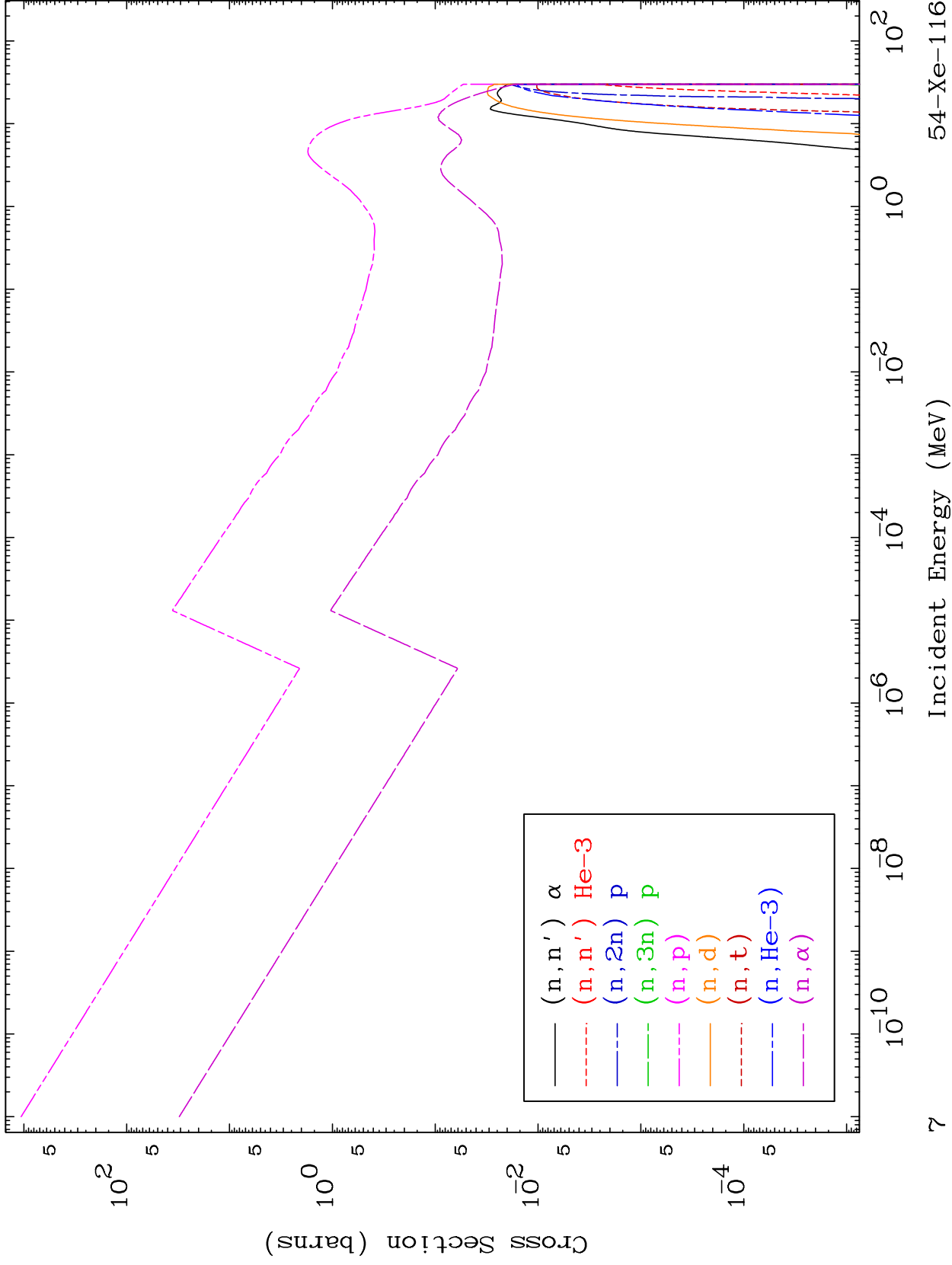
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MAT 5401

Charged Particle
293 Kelvin Cross Sections

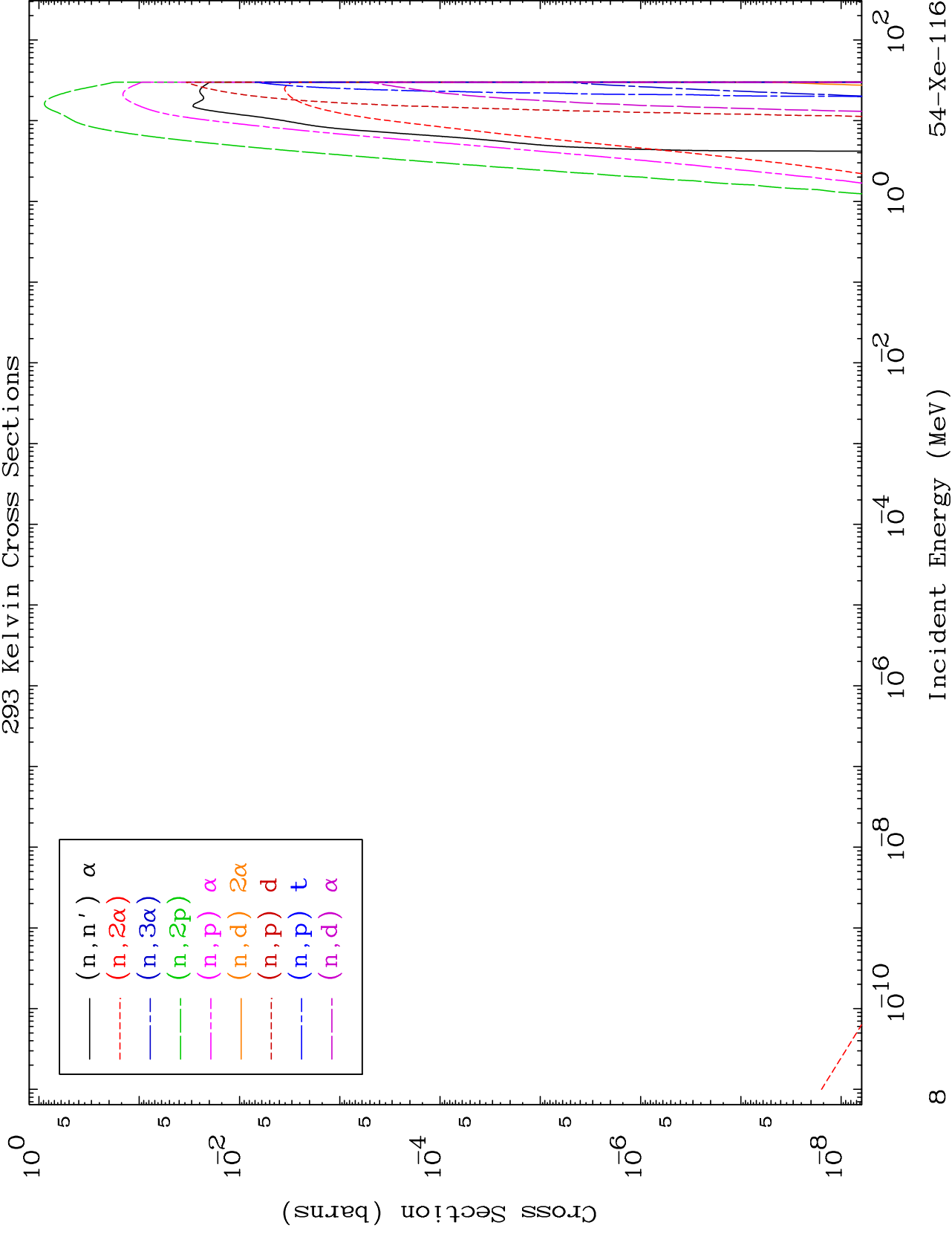
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MAT 5401

Charged Particle
293 Kelvin Cross Sections

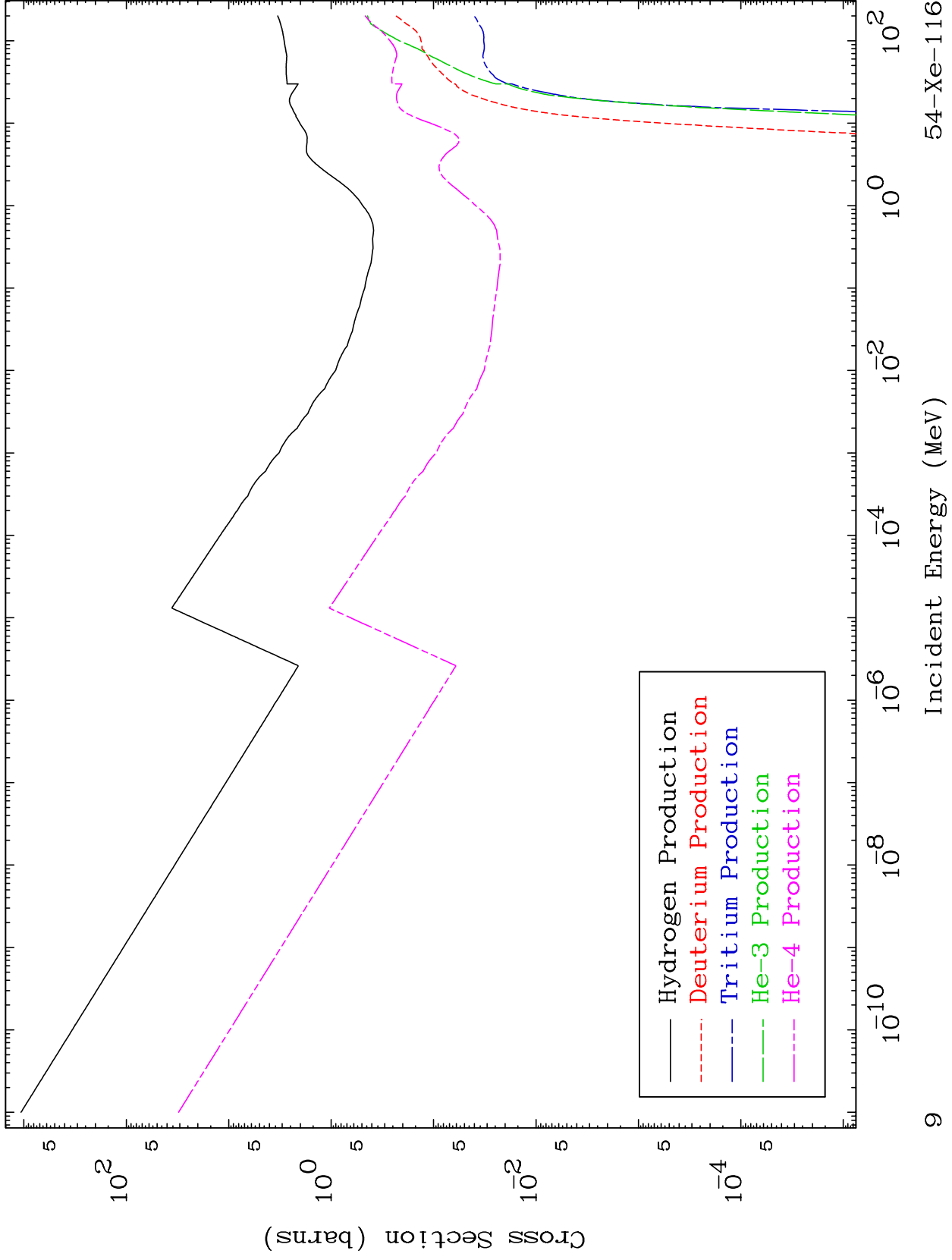
54-Xe-116



MAT 5401

Particle Production
293 Kelvin Cross Sections

54-Xe-116

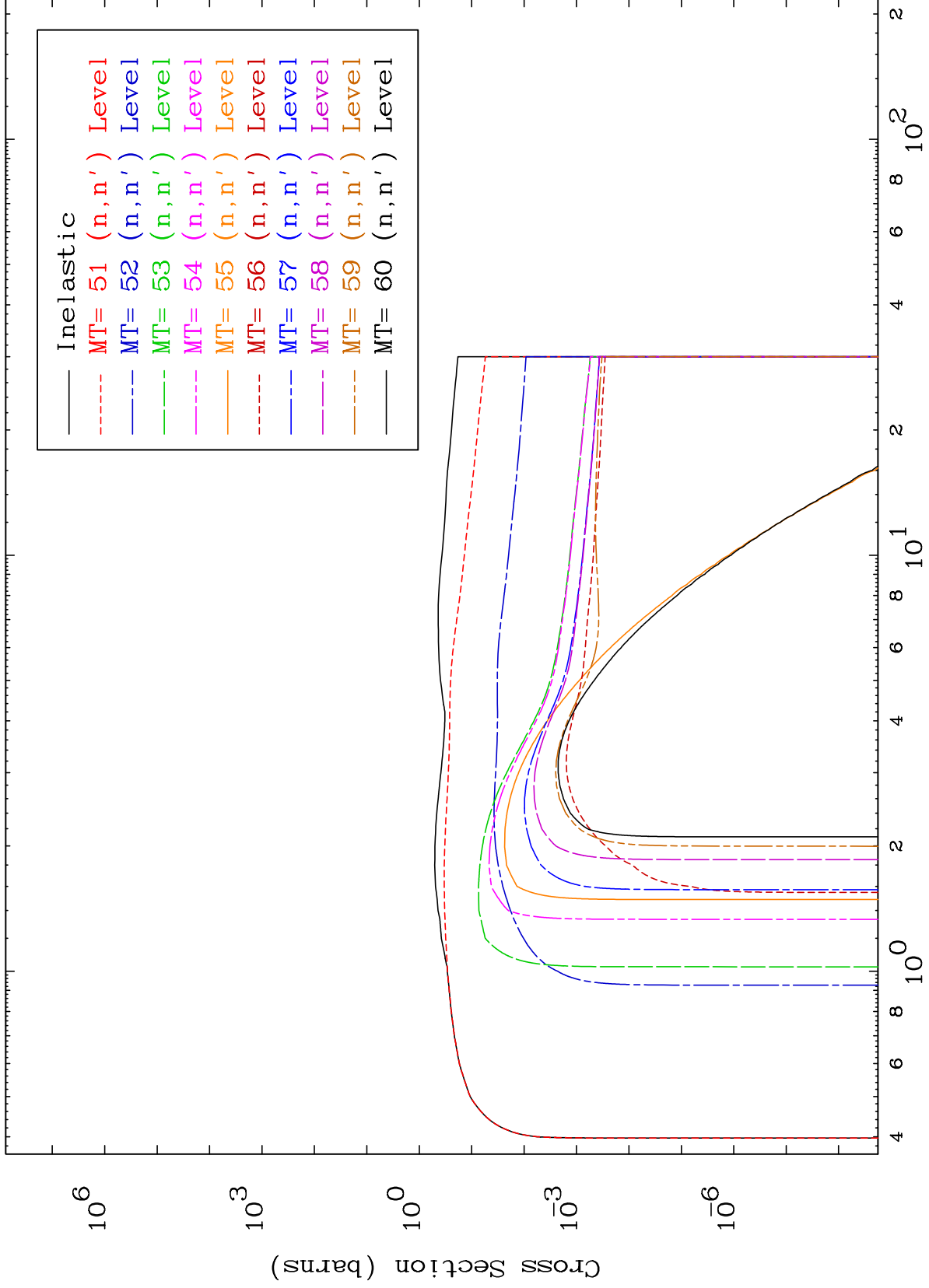


MAT 5401

(n,n') Levels

54-Xe-116

293 Kelvin Cross Sections

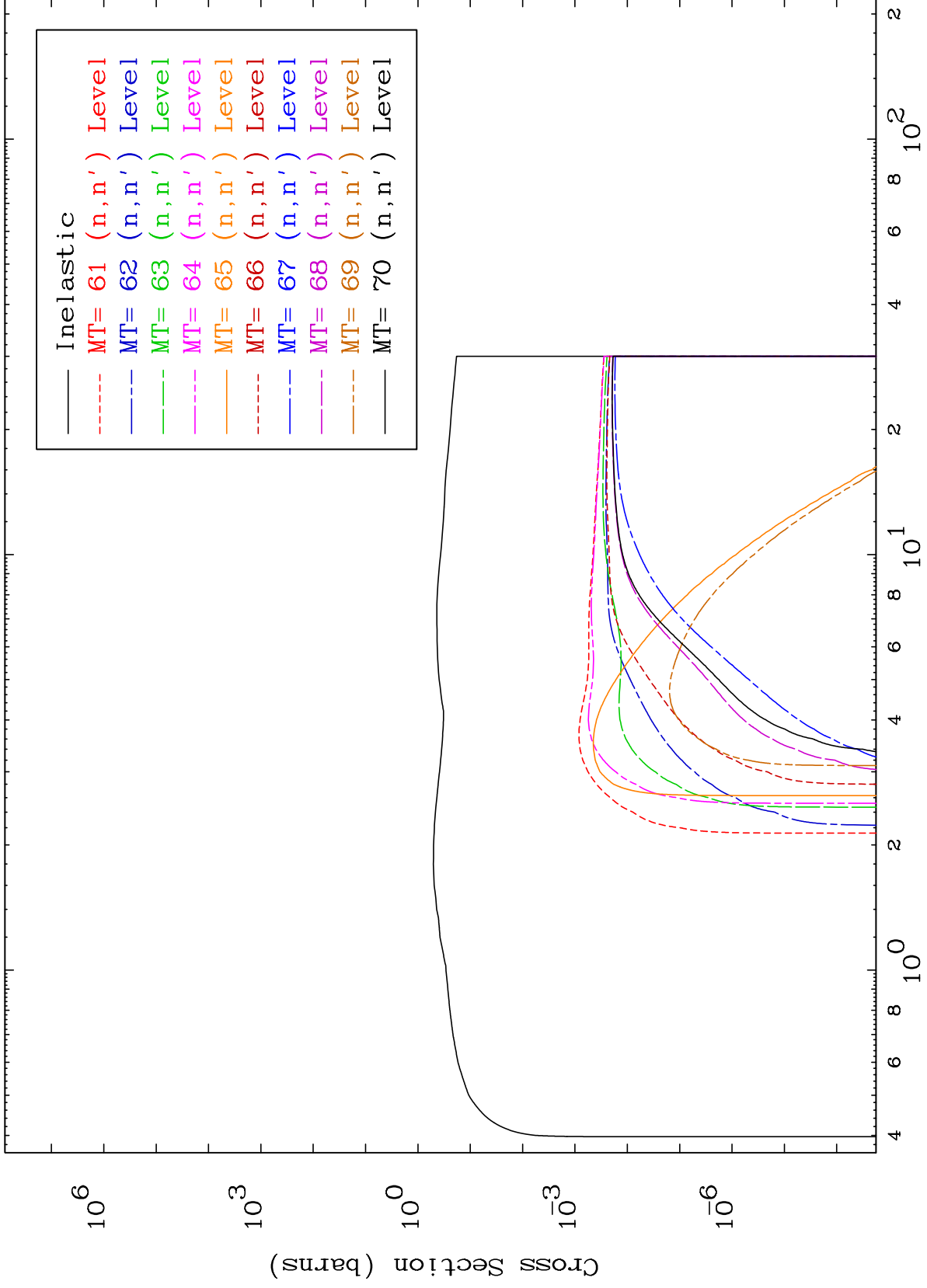


10

Incident Energy (MeV)

54-Xe-116

293 Kelvin Cross Sections

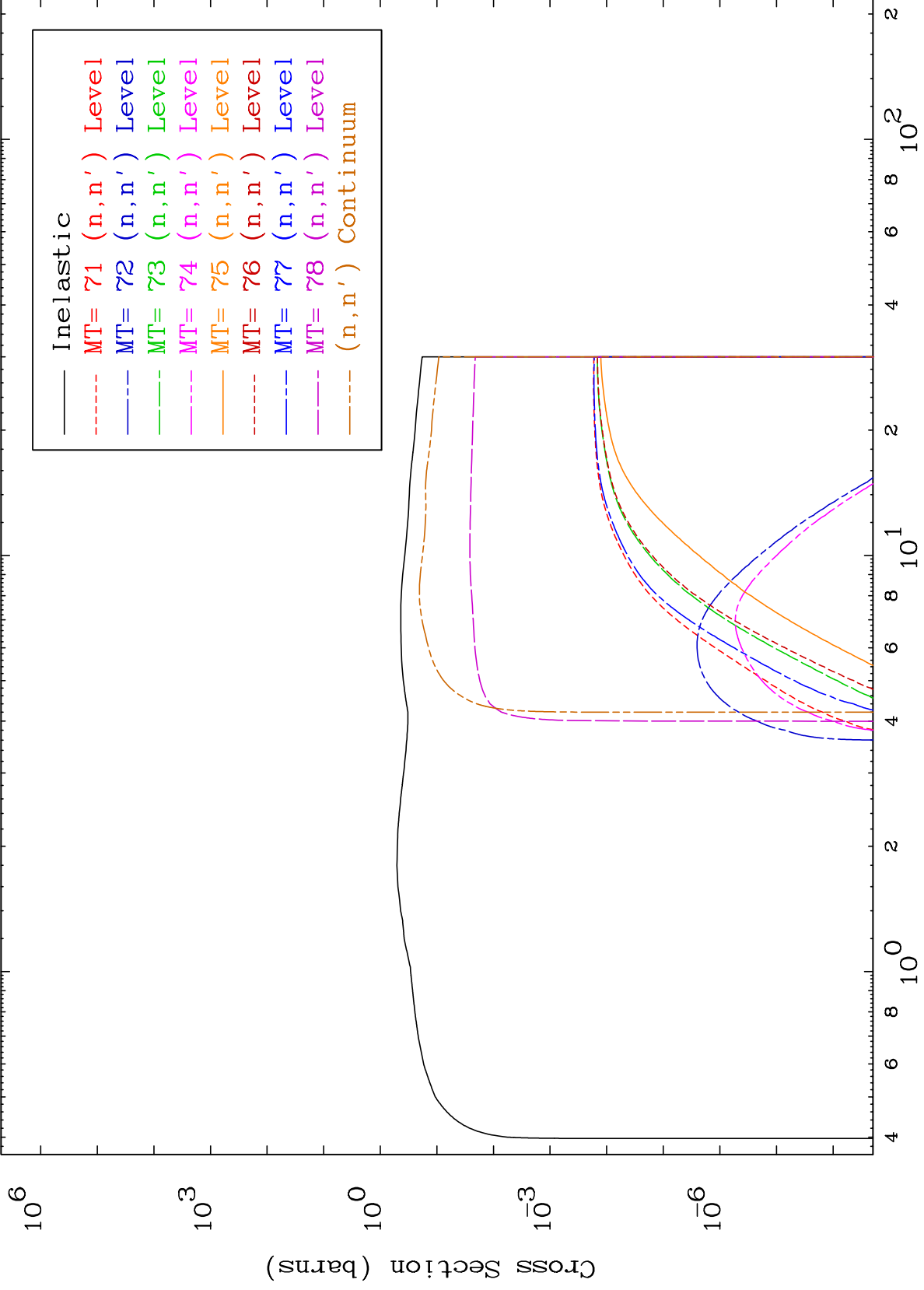


MAT 5401

(n,n') Levels

293 Kelvin Cross Sections

54-Xe-116



12

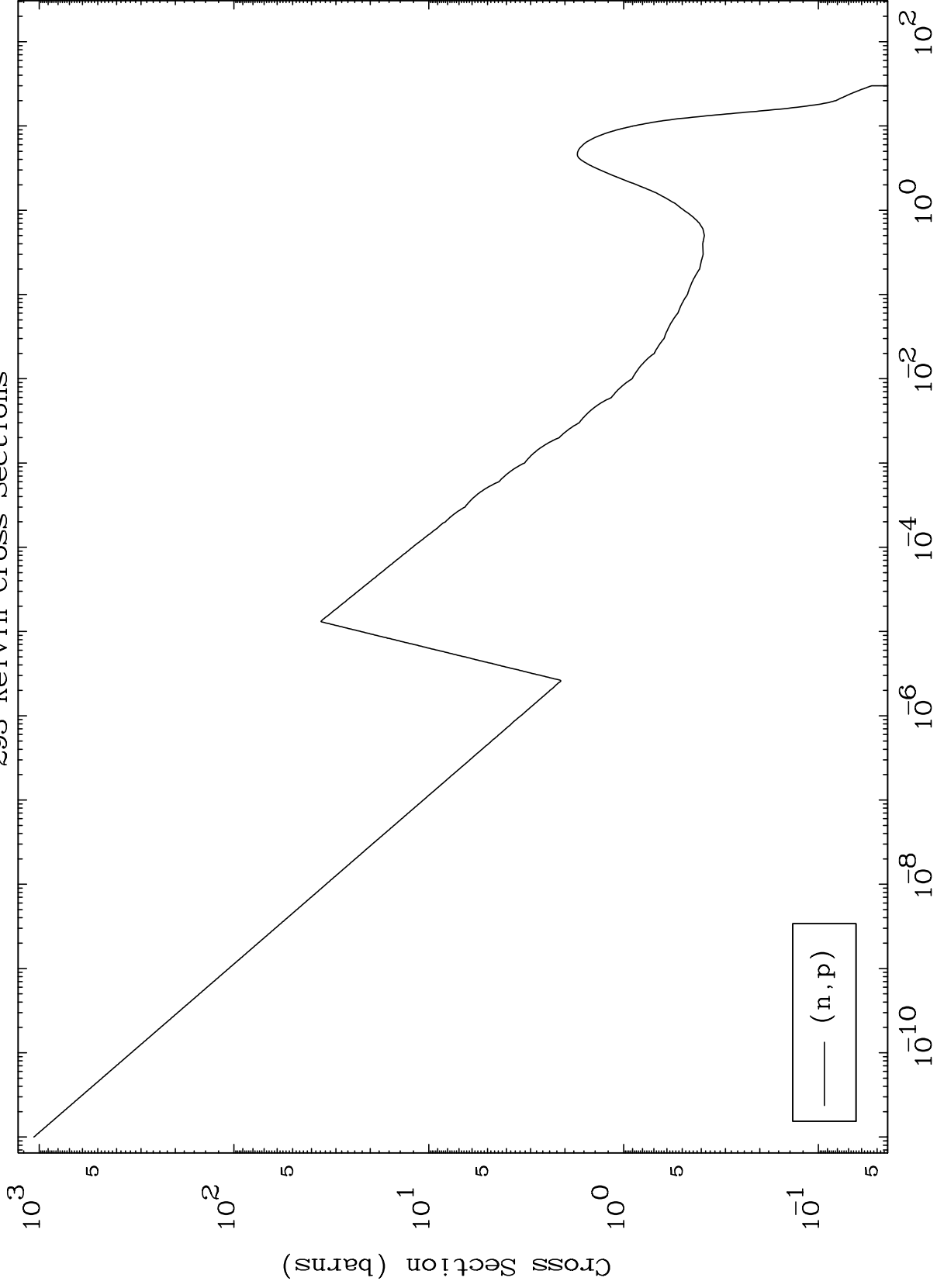
Incident Energy (MeV)

54-Xe-116

MAT 5401

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-116



13

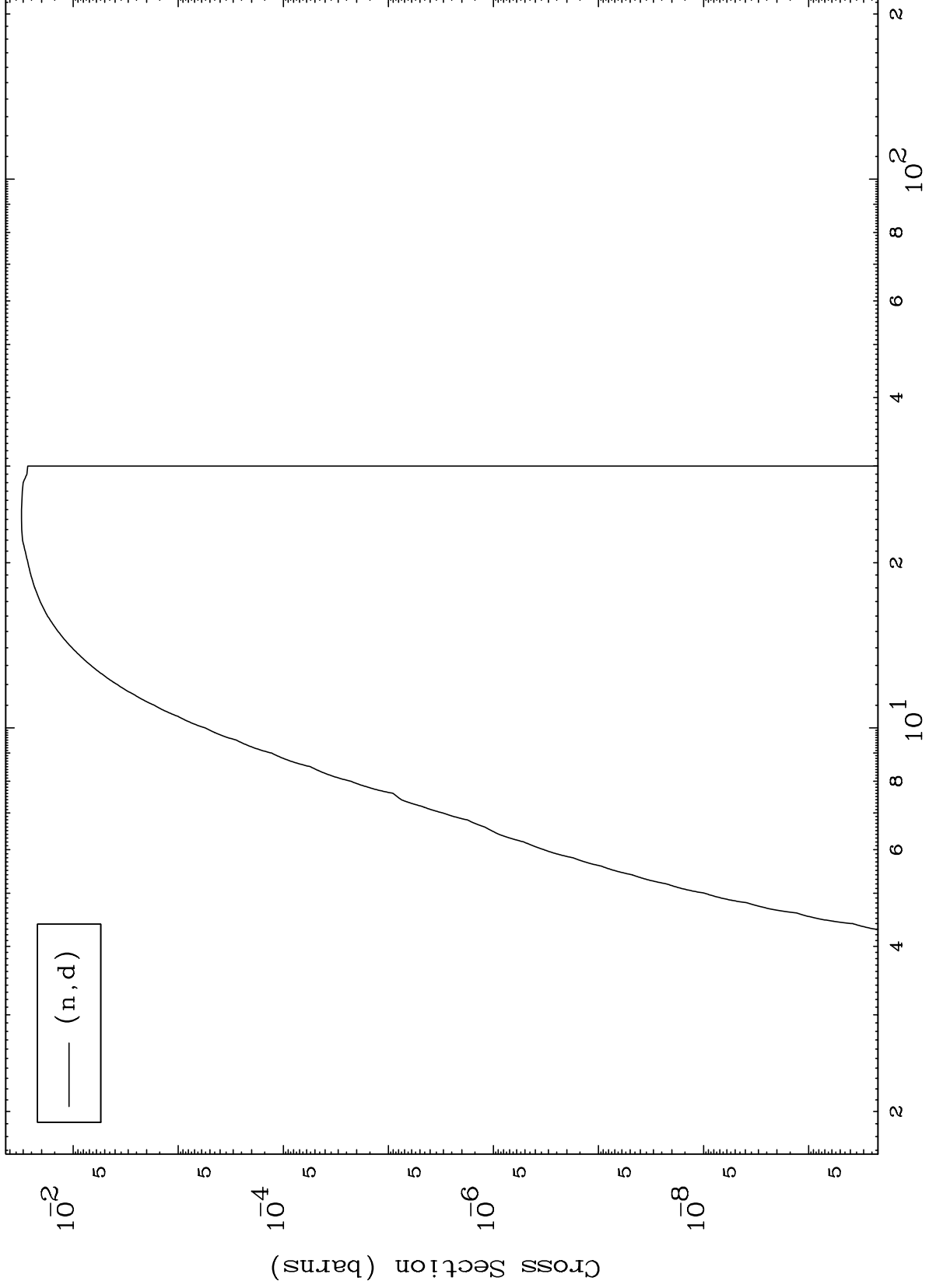
Incident Energy (MeV)

54-Xe-116

MAT 5401

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-116



(n,d)

14

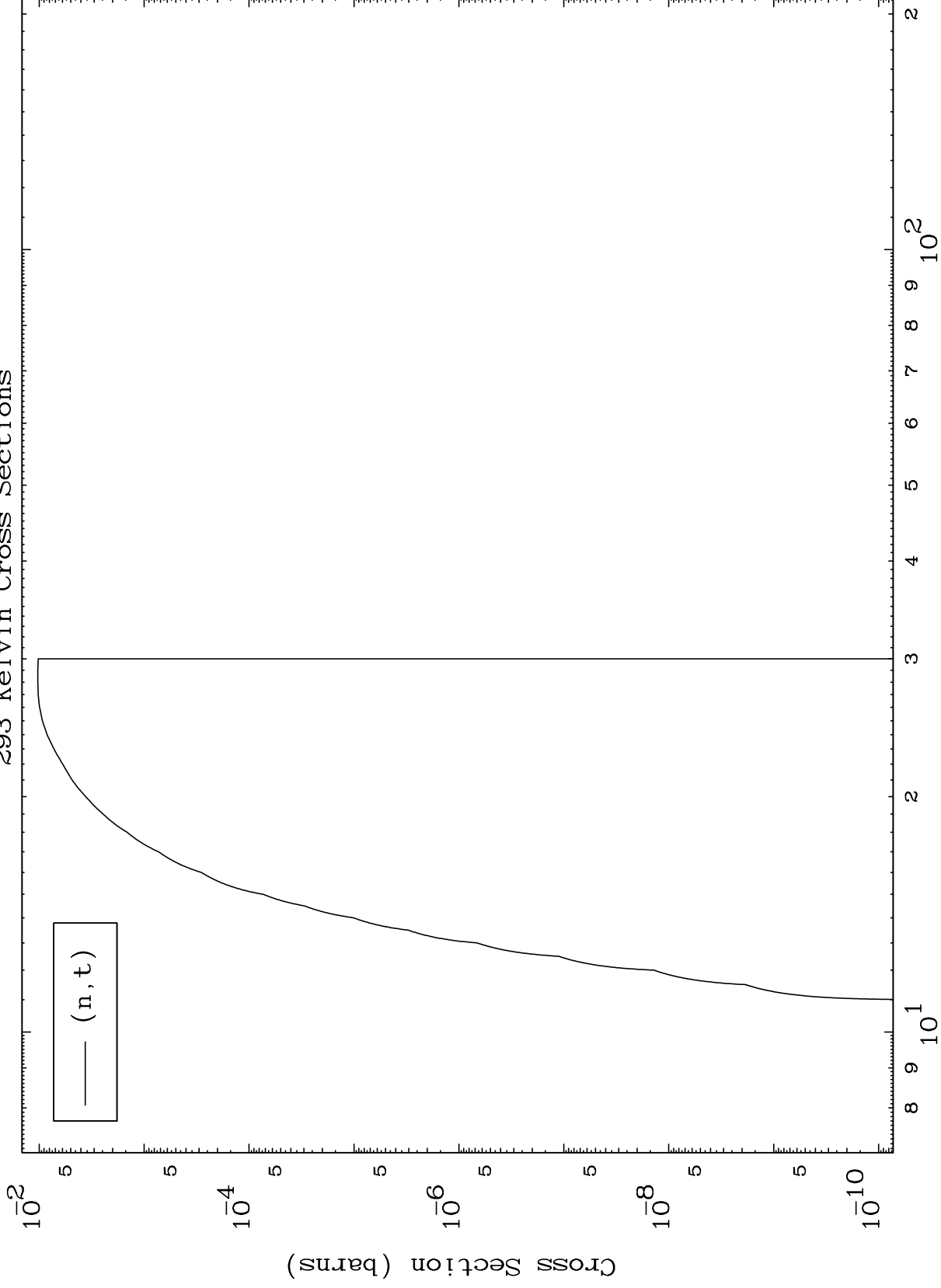
Incident Energy (MeV)

54-Xe-116

MAT 5401

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-116



15

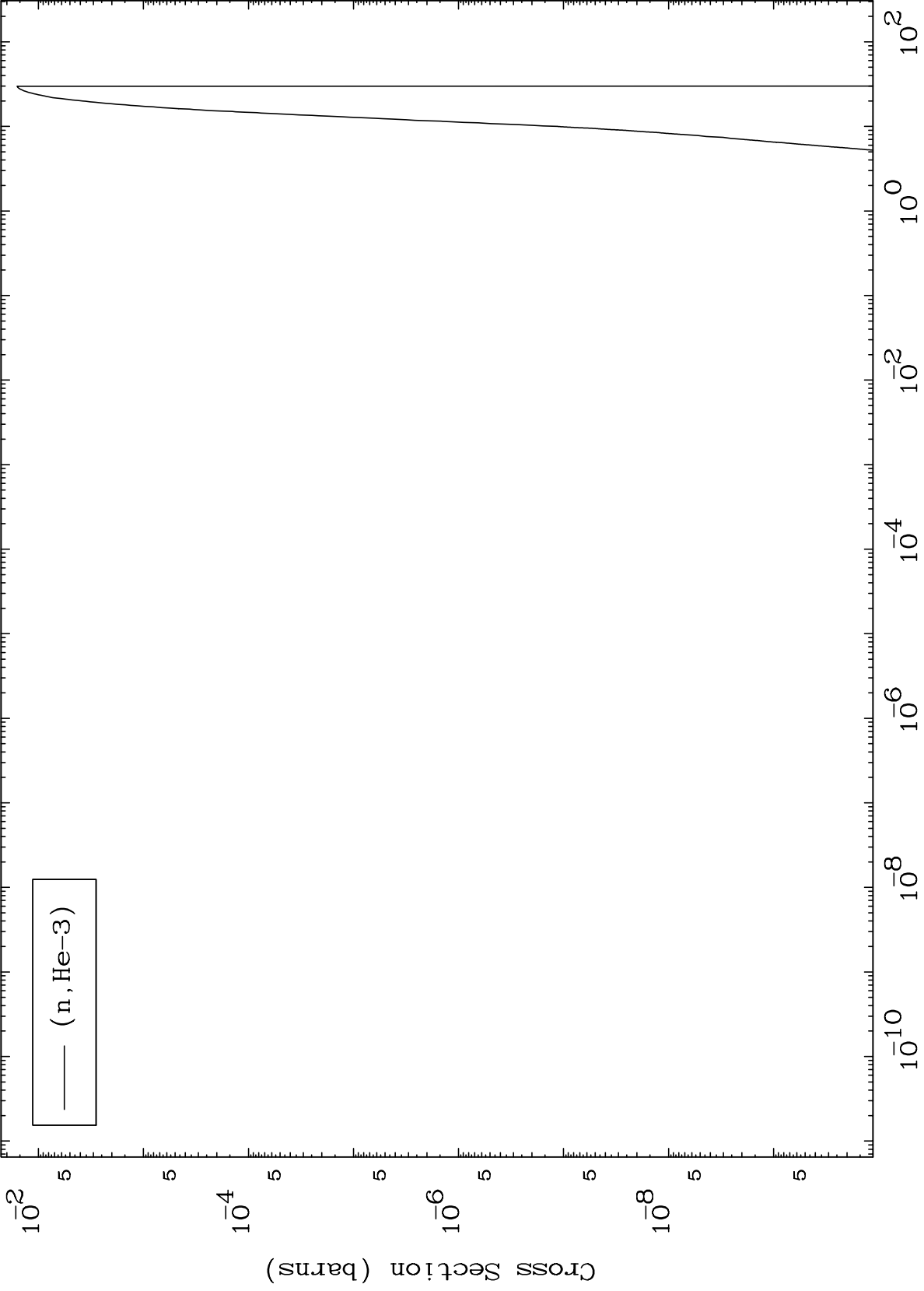
Incident Energy (MeV)

54-Xe-116

MAT 5401

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-116



16

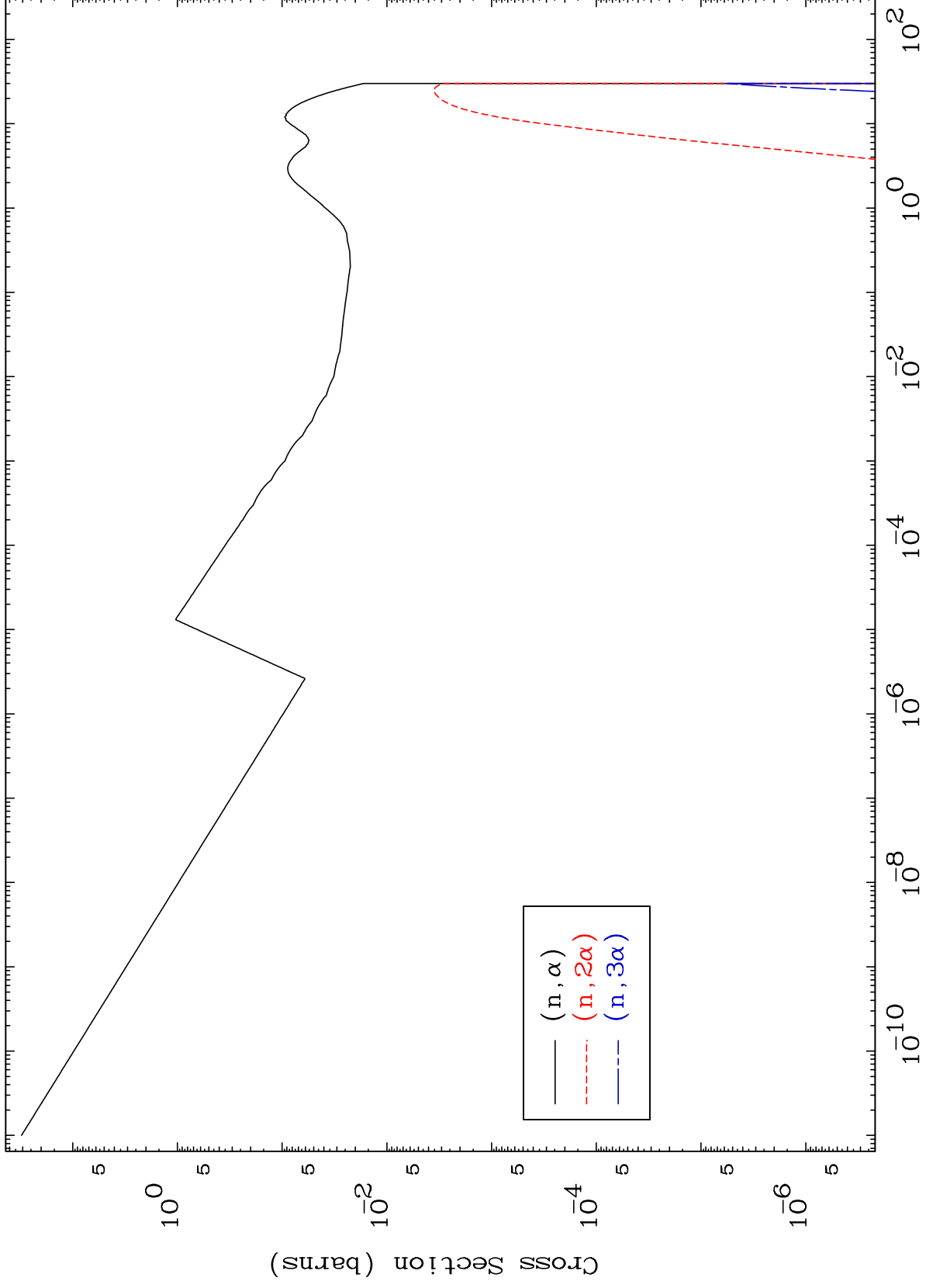
Incident Energy (MeV)

54-Xe-116

MAT 5401

(n, α) Levels
293 Kelvin Cross Sections

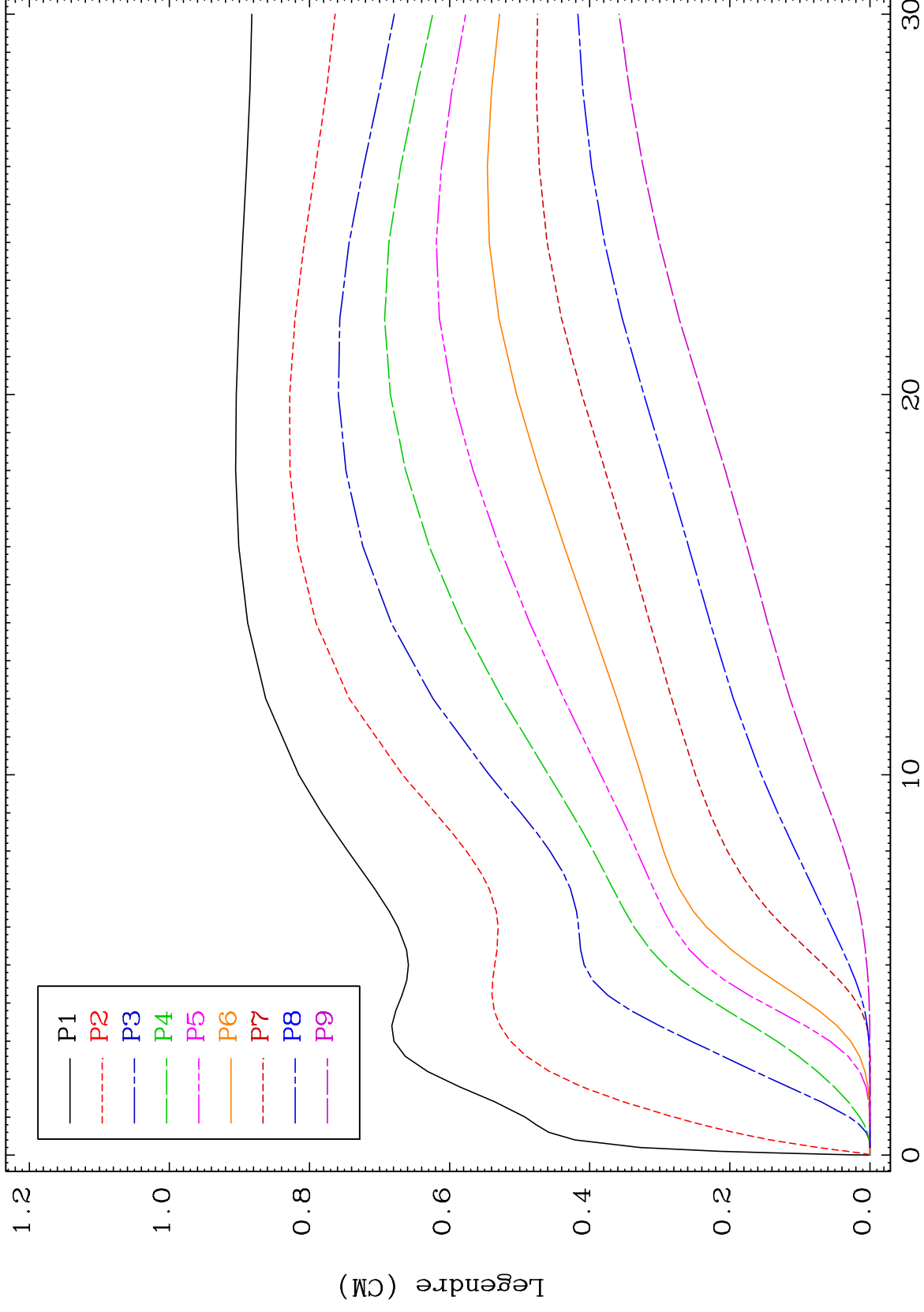
54-Xe-116



MAT 5401

Elastic Legendre Coefficients

54-Xe-116

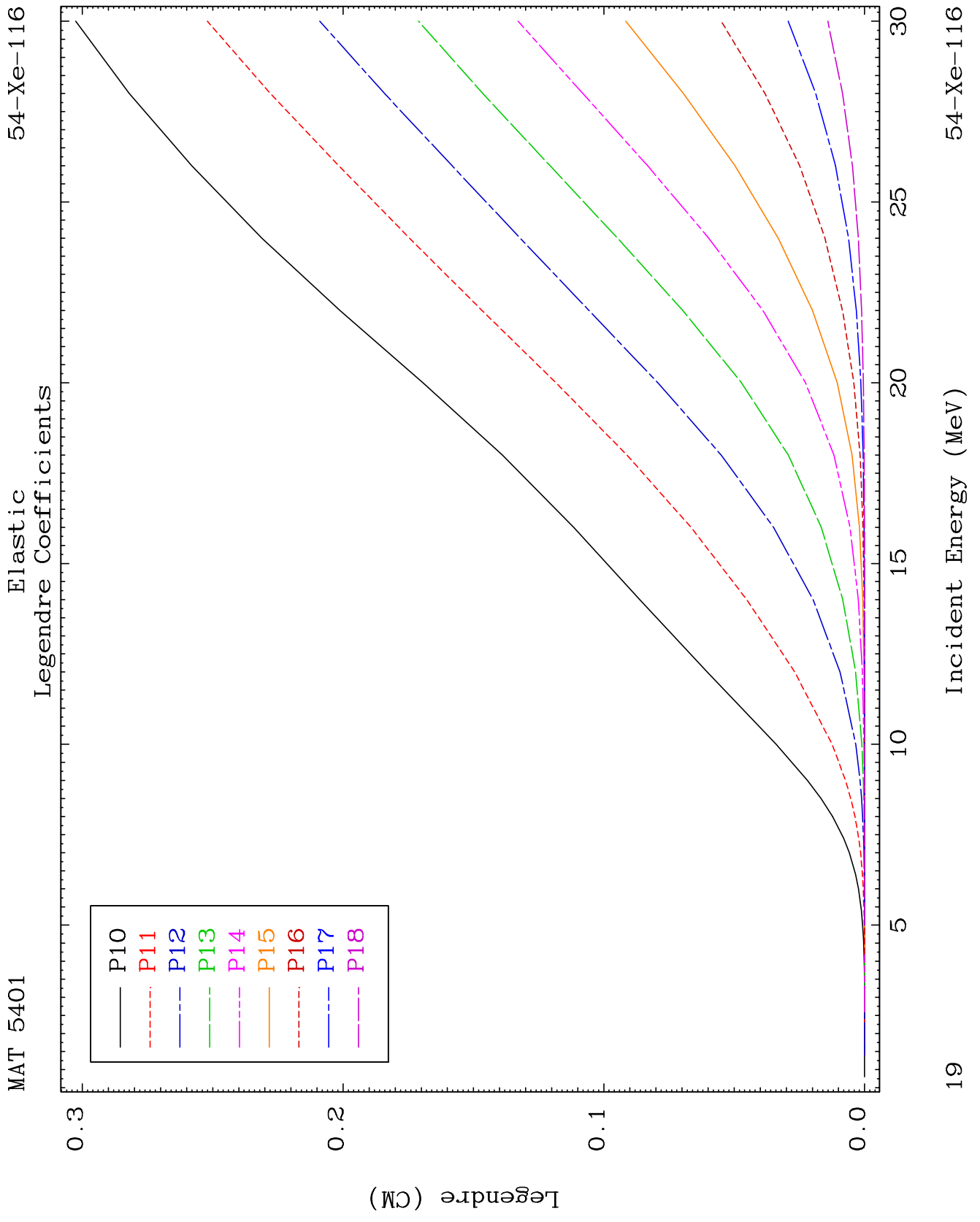


18

Incident Energy (MeV)

54-Xe-116

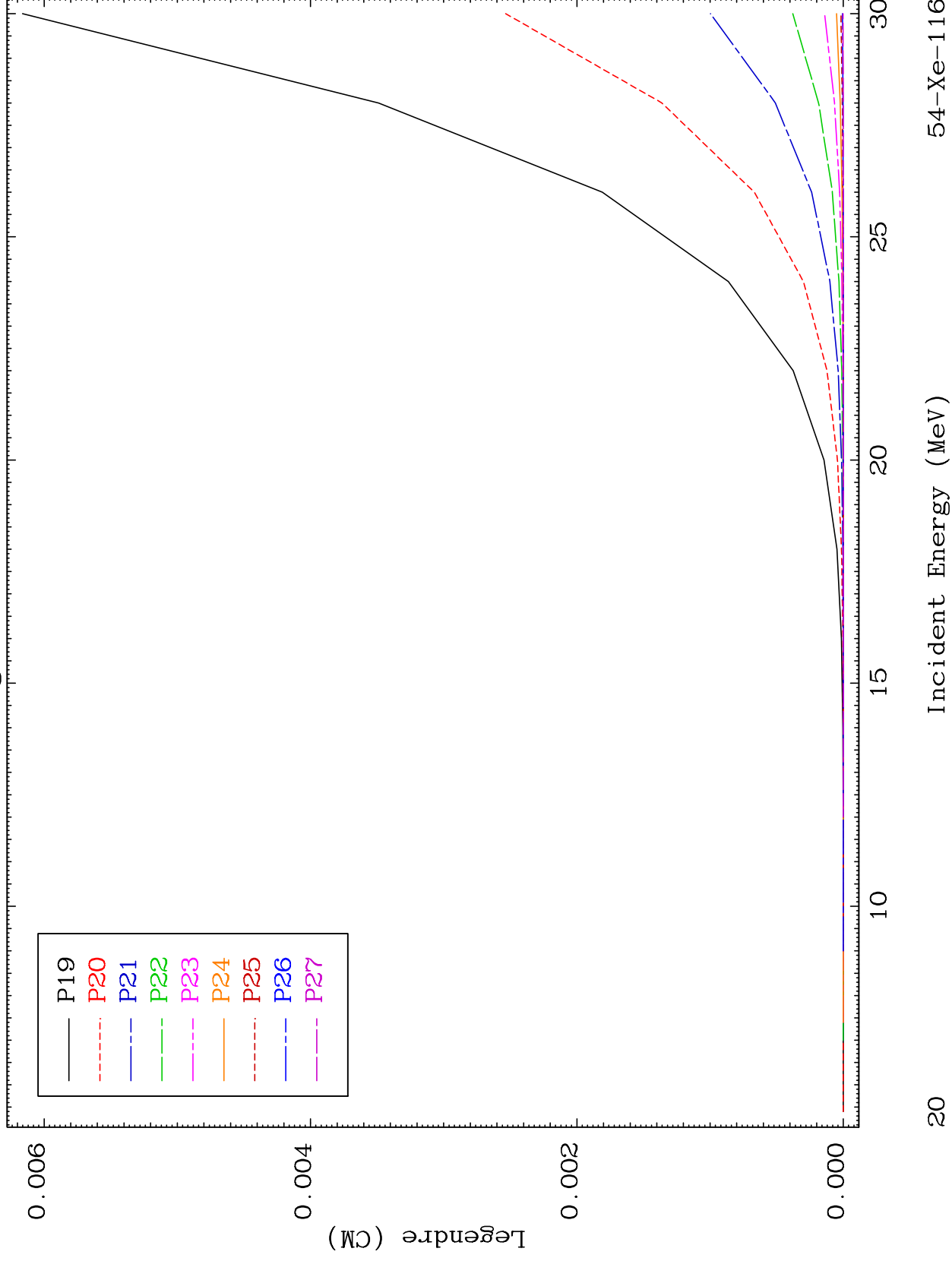
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MAT 5401

Elastic Legendre Coefficients

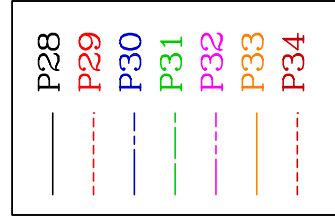
54-Xe-116



MAT 5401

Elastic
Legendre Coefficients

54-Xe-116



$\times 10^{-7}$

3

2

1

0

Legendre (CM)

15

20

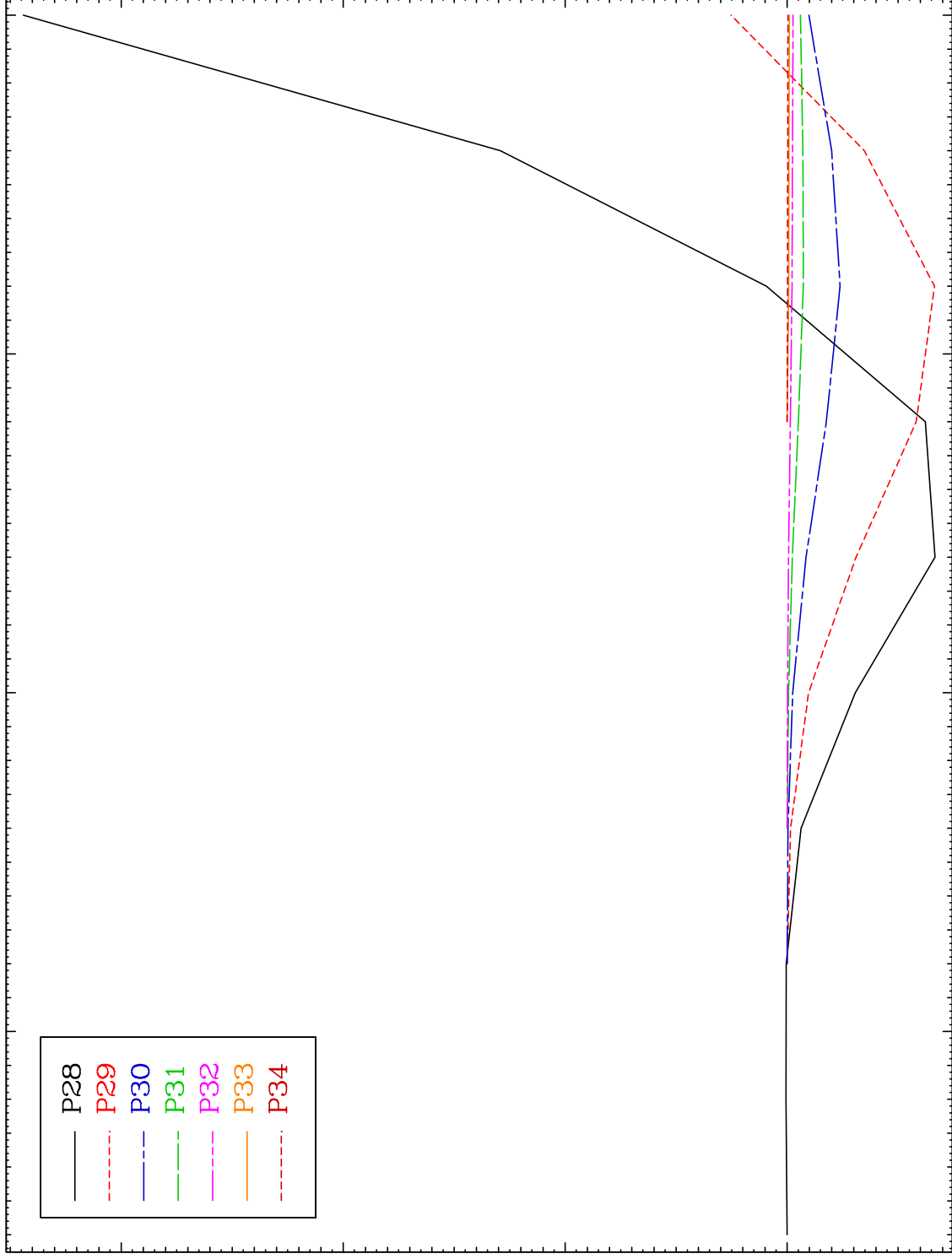
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30

21

Incident Energy (MeV)

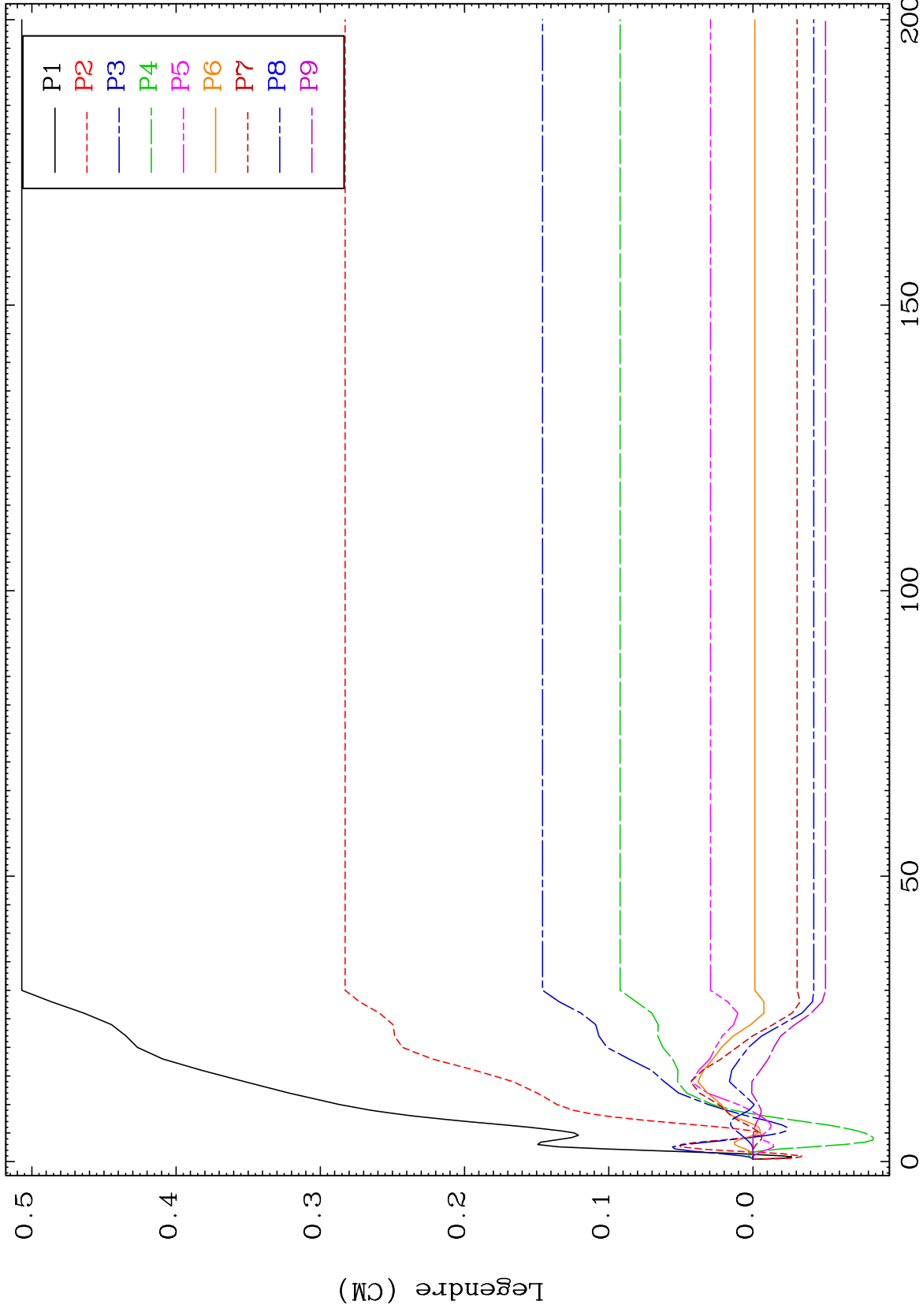
54-Xe-116



MAT 5401

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

54-Xe-116



22

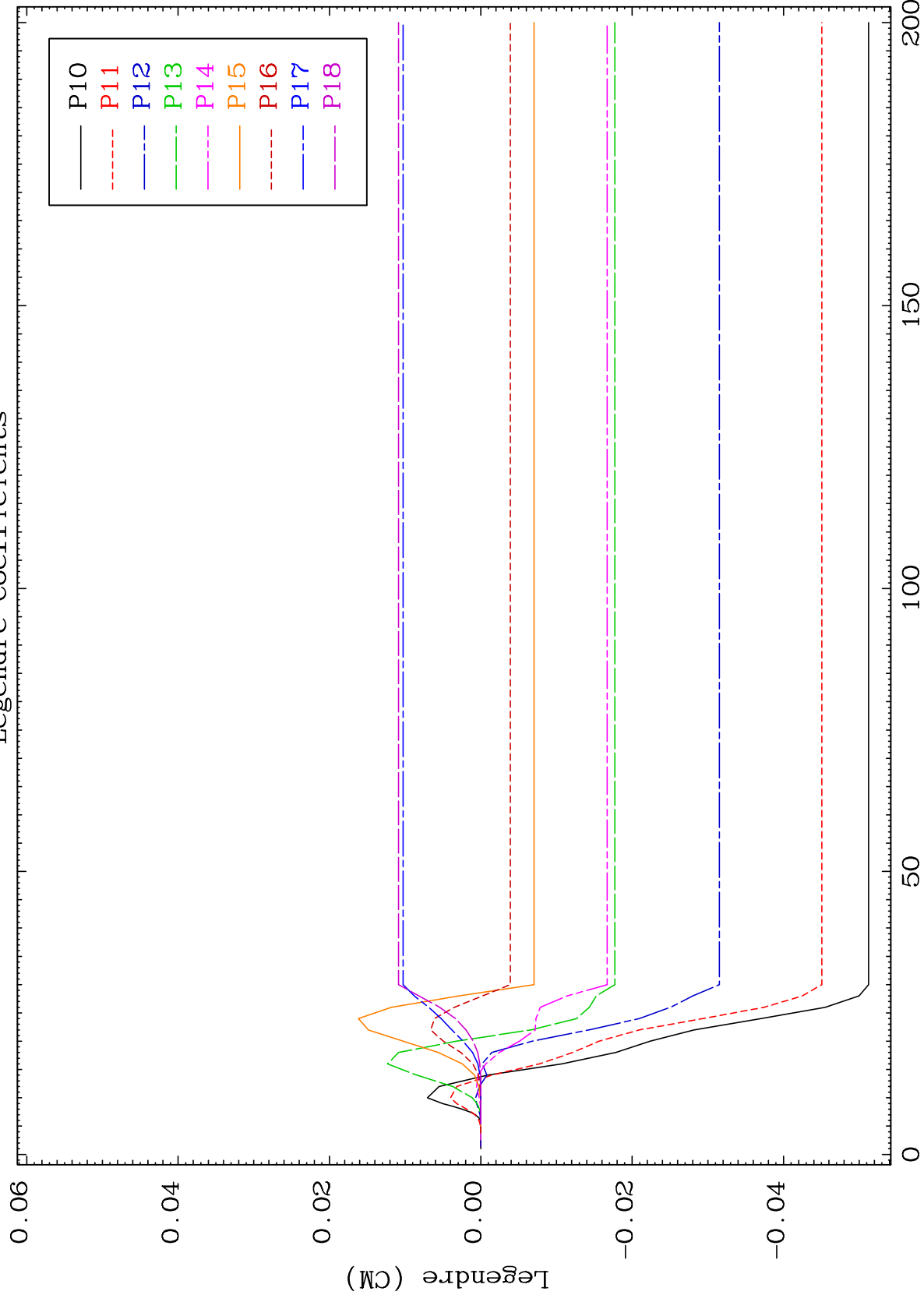
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



23

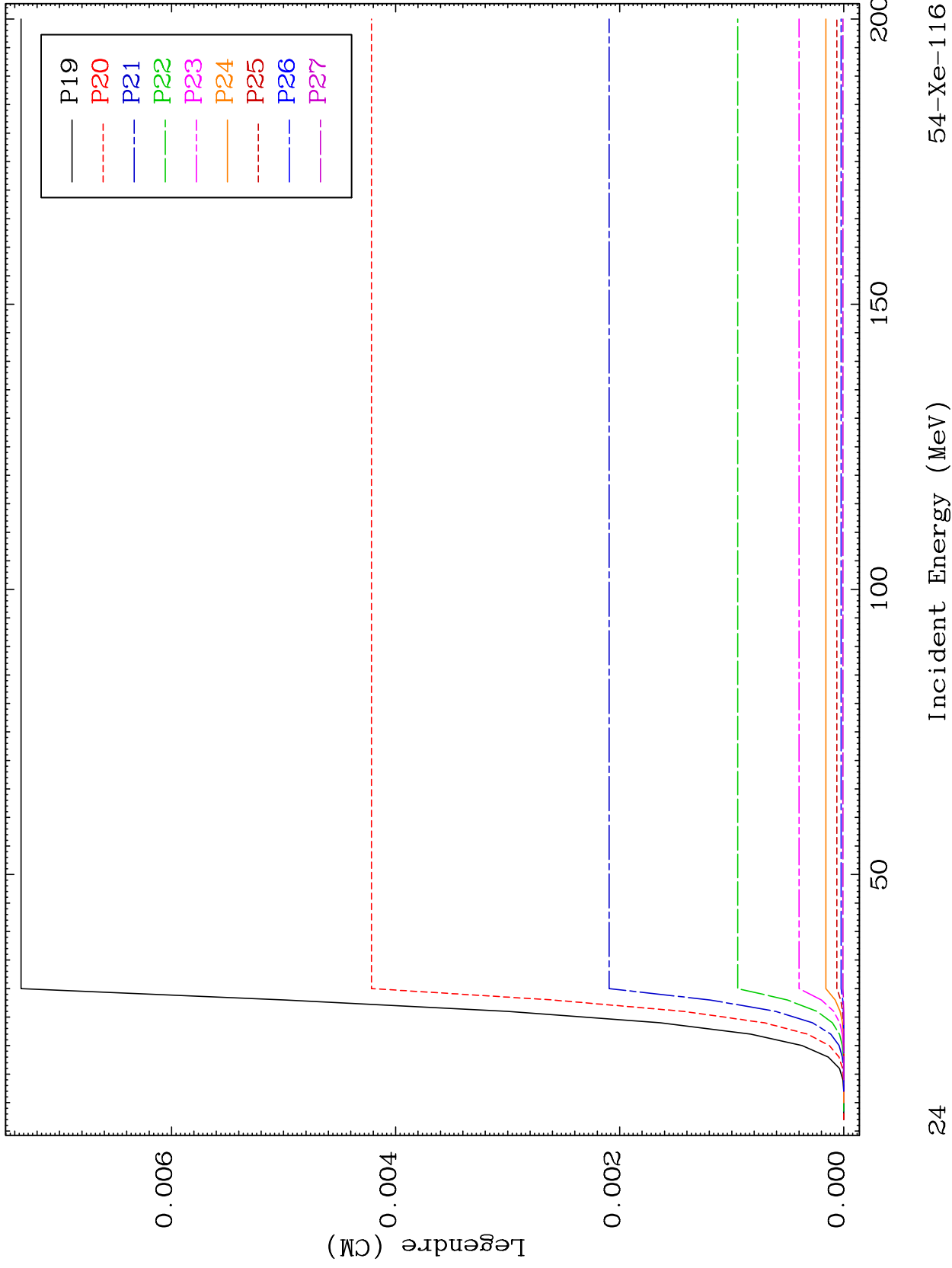
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



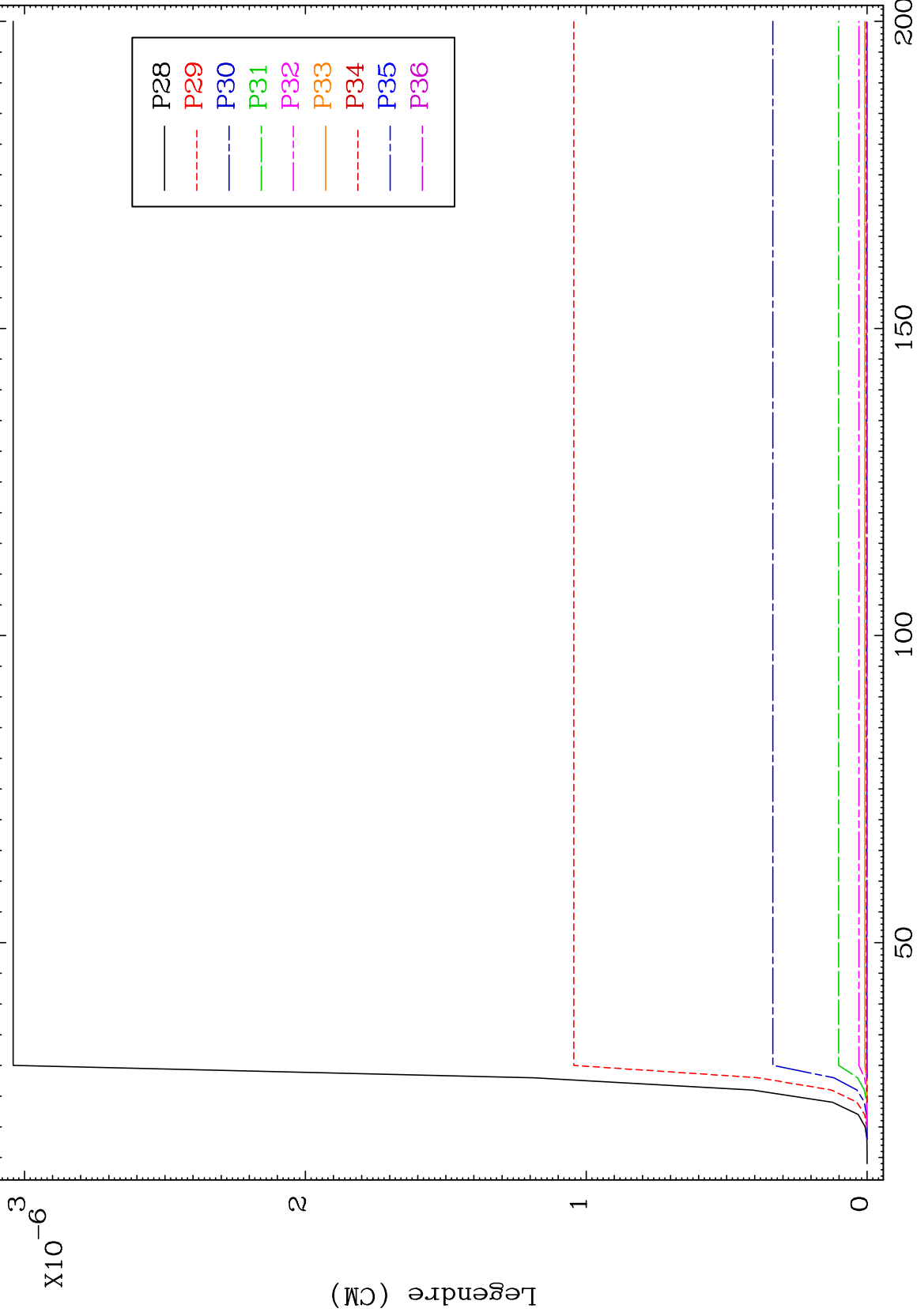
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54-Xe-116

MAT 5401

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

54-Xe-116



25

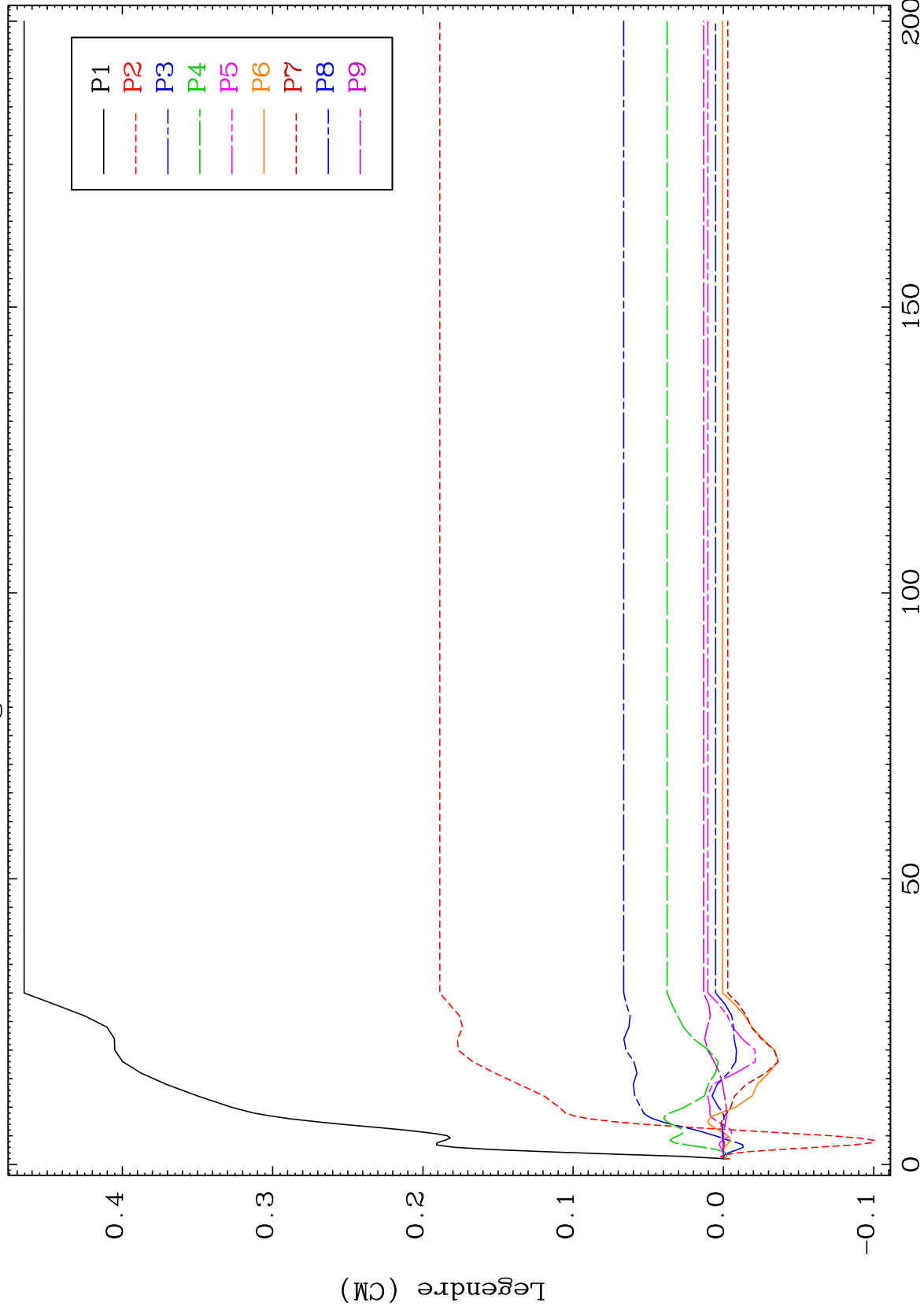
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



54-Xe-116

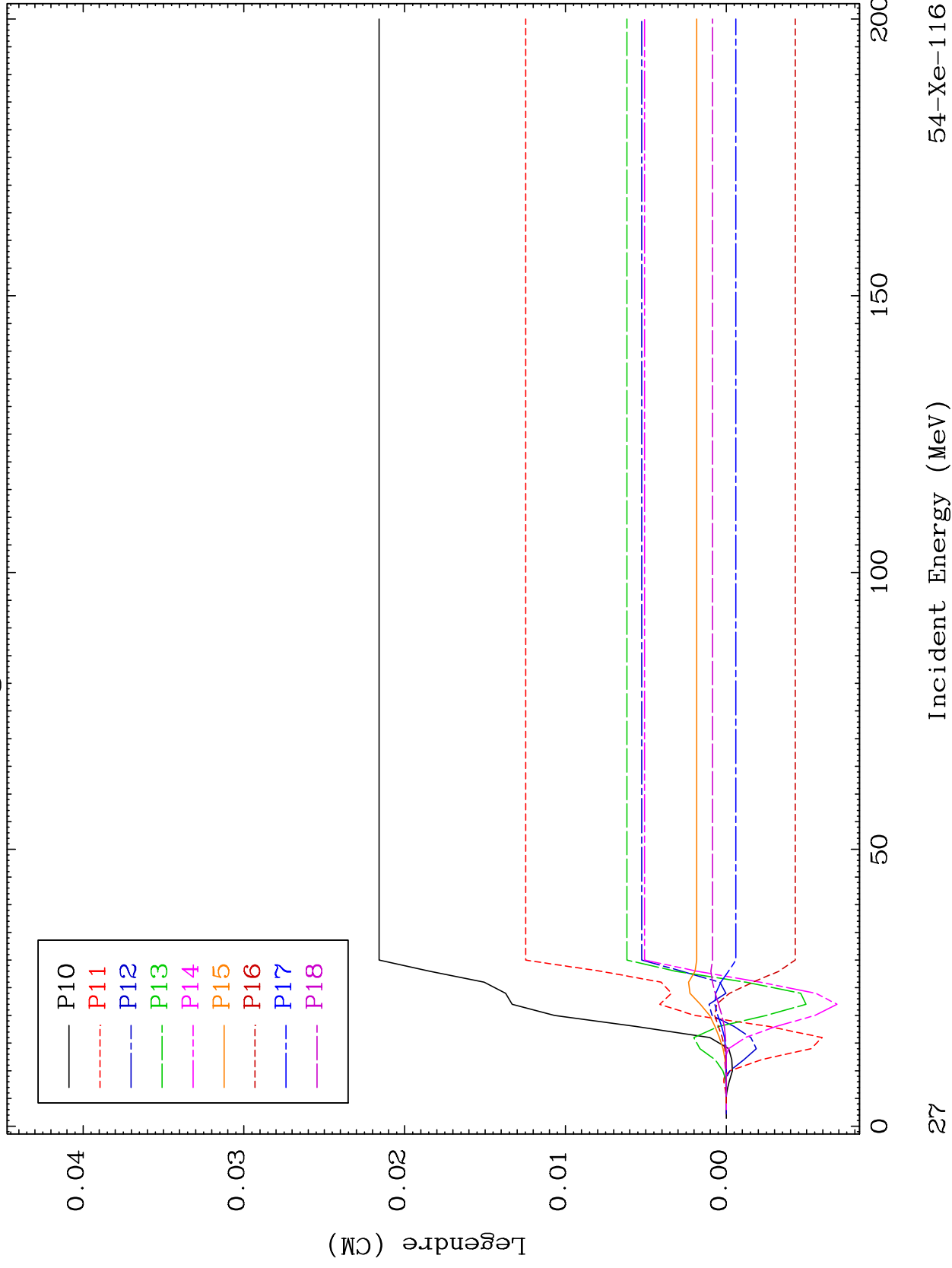
Incident Energy (MeV)

26

MAT 5401

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

54-Xe-116



27

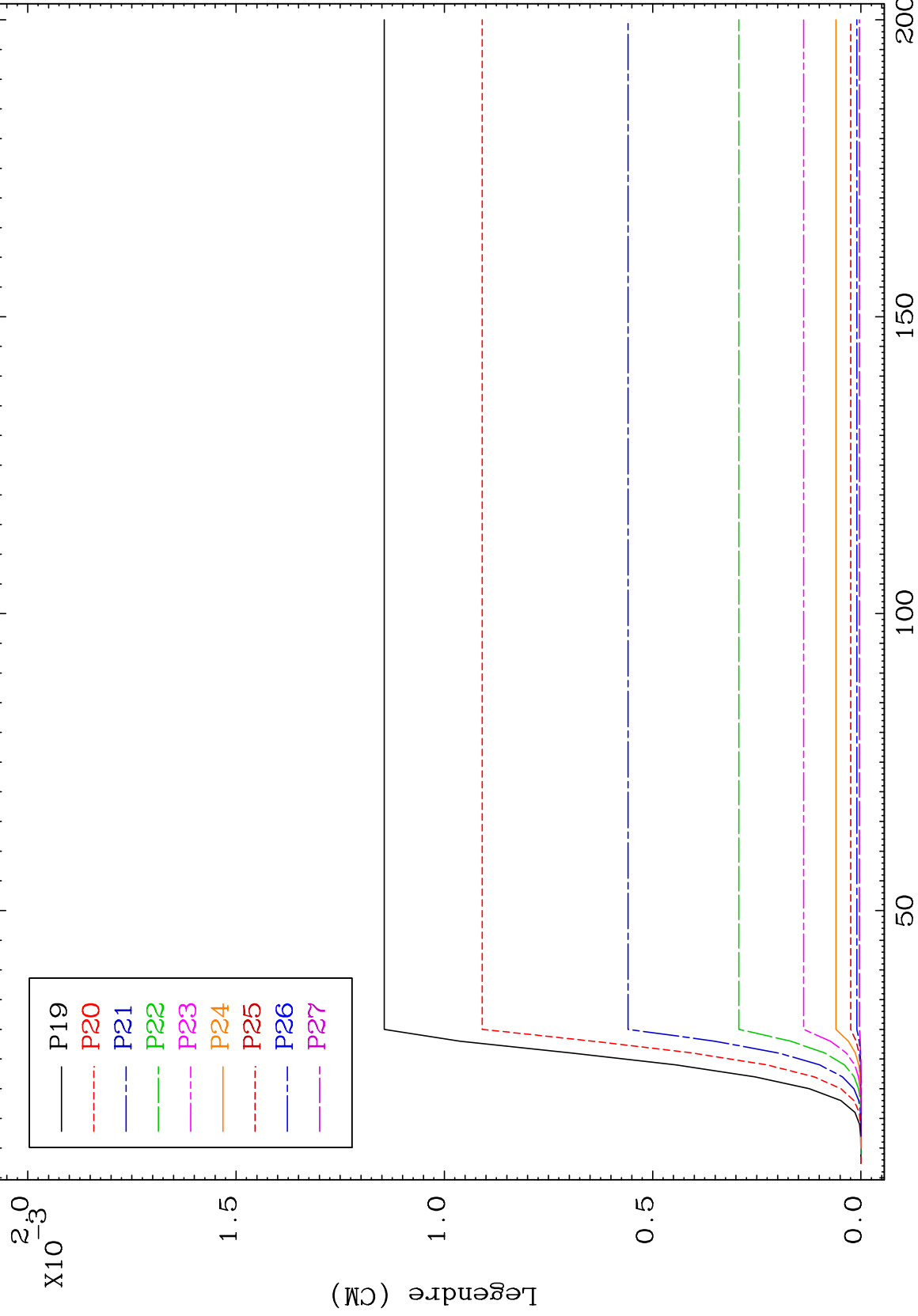
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



28

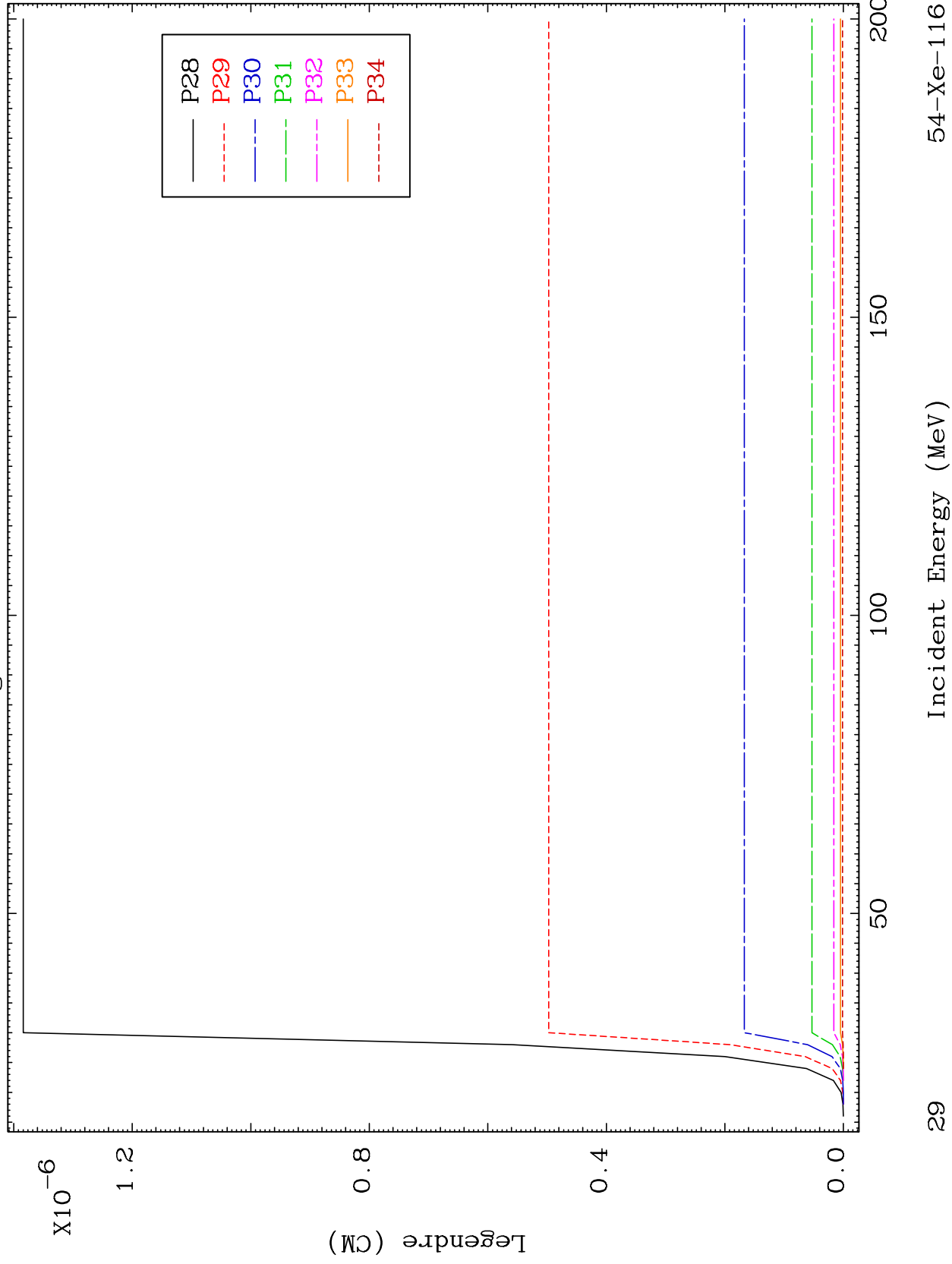
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116

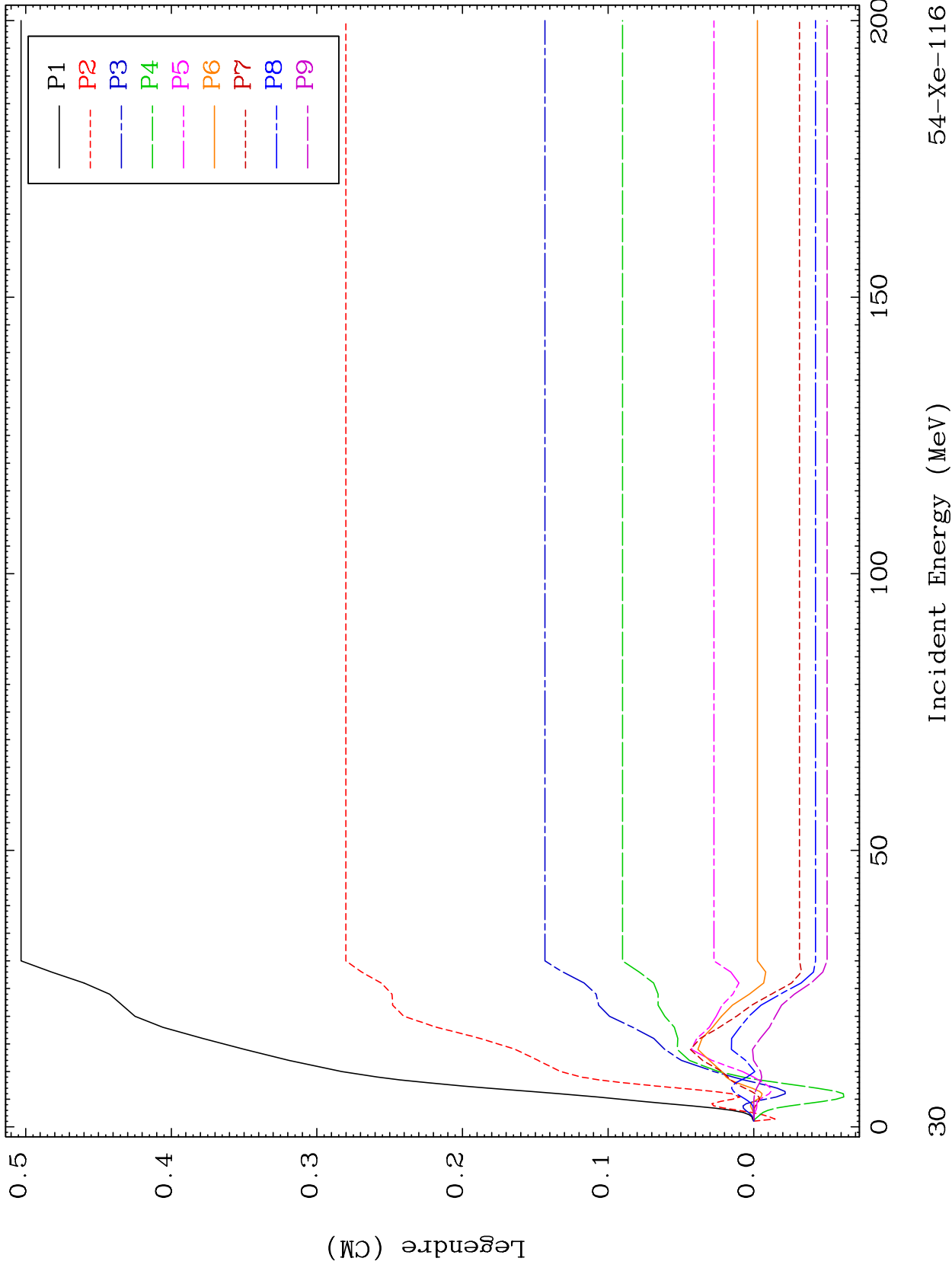


29

MAT 5401

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

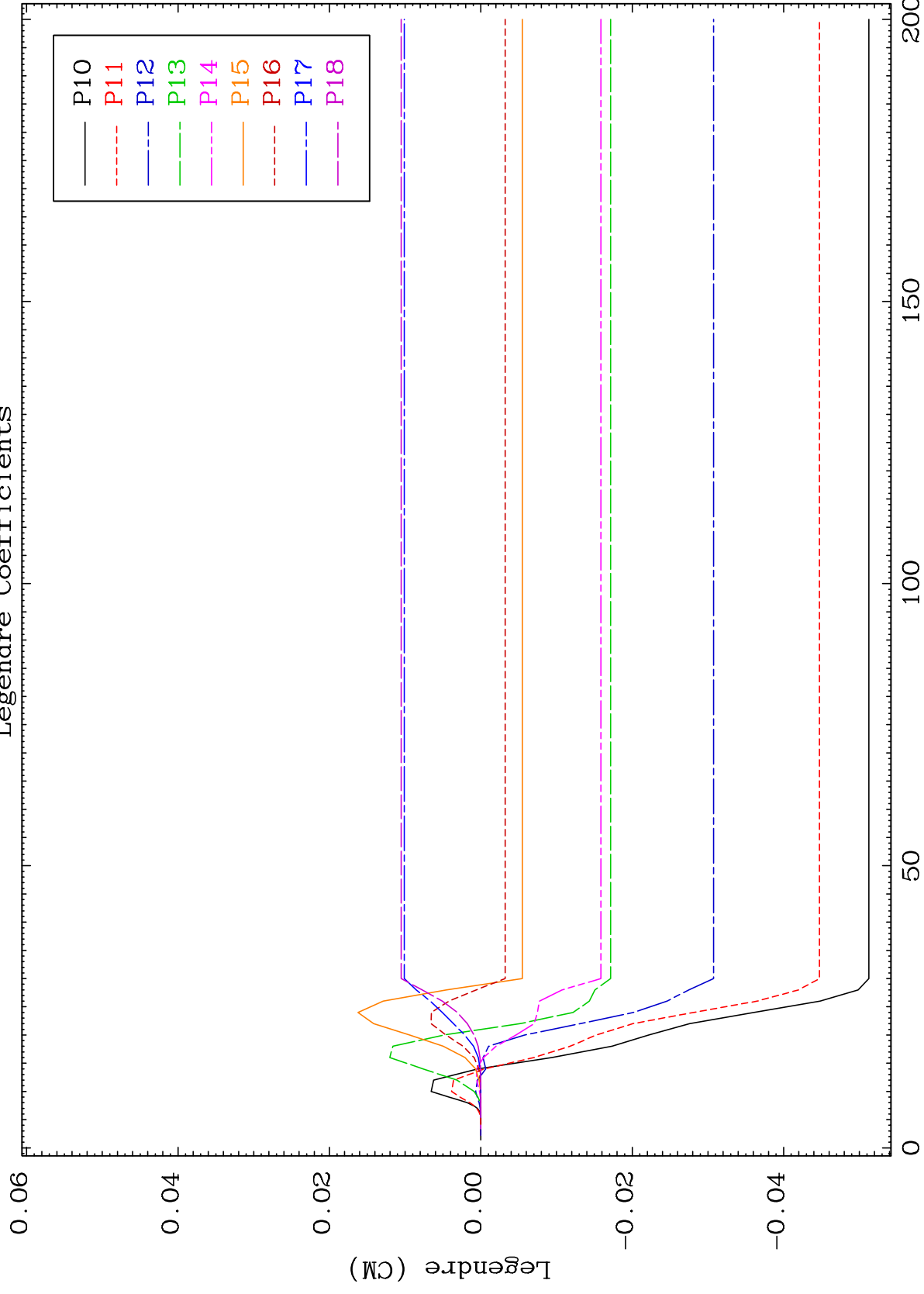
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MAT 5401

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

54-Xe-116



31

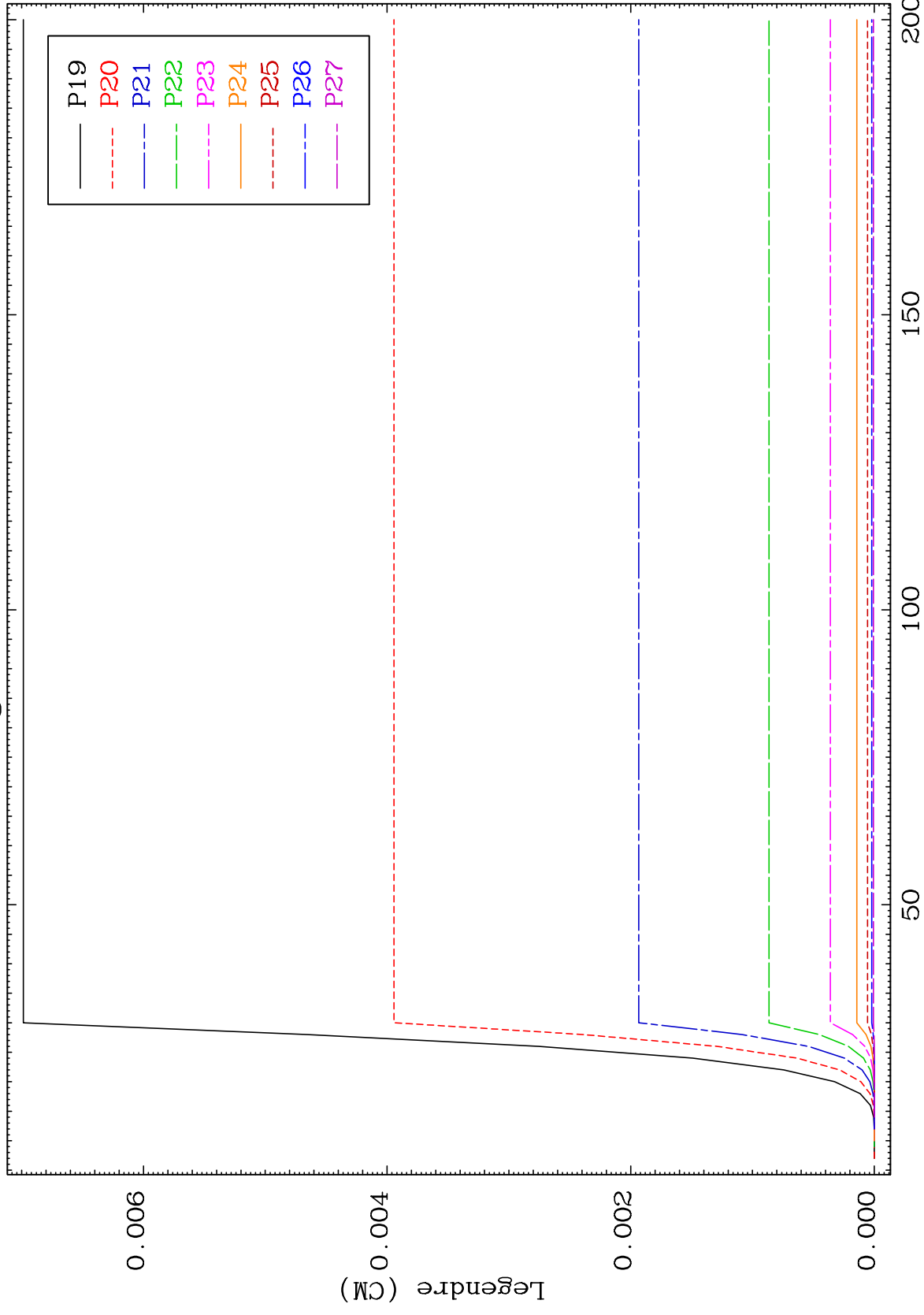
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



32

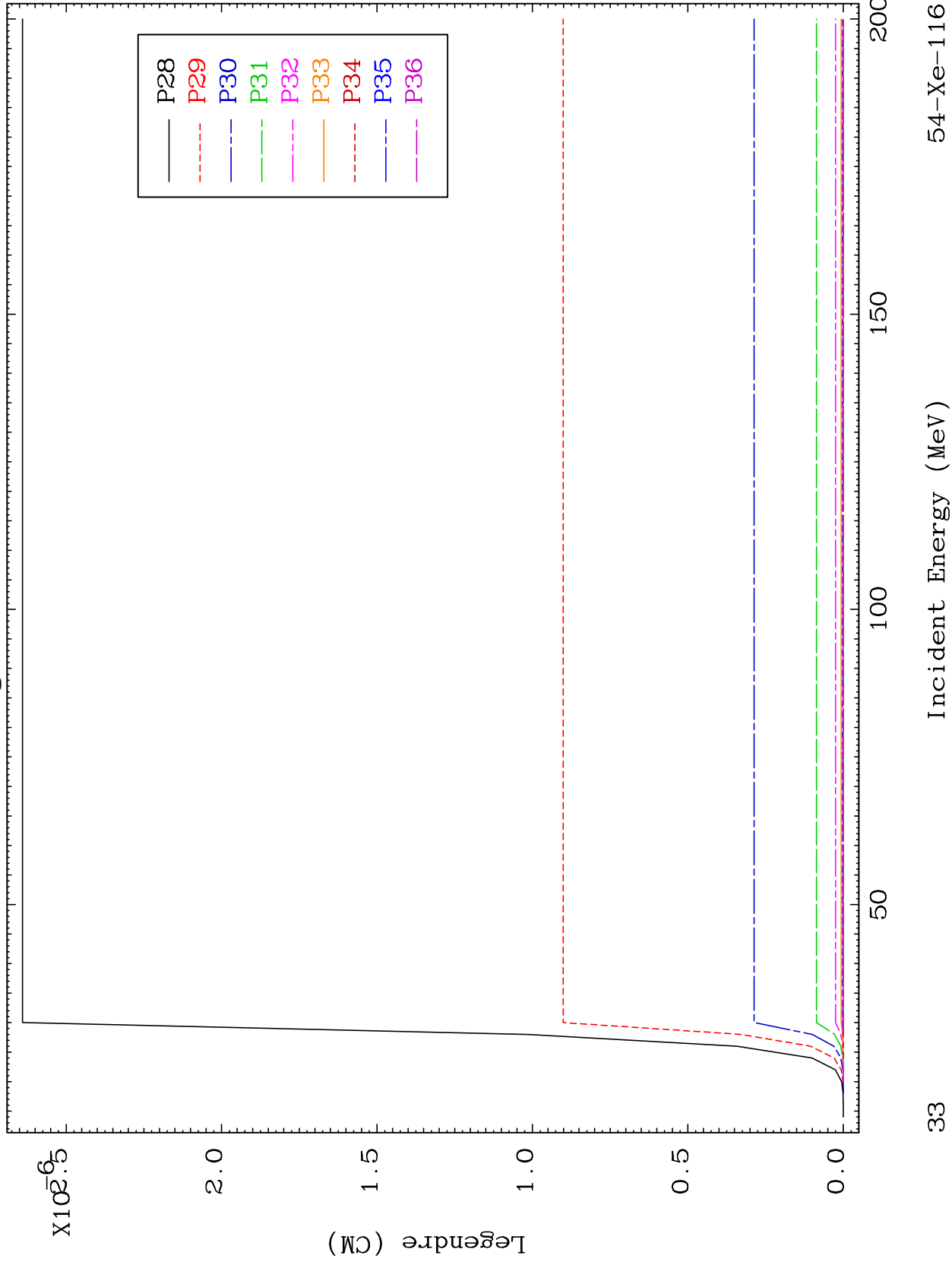
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



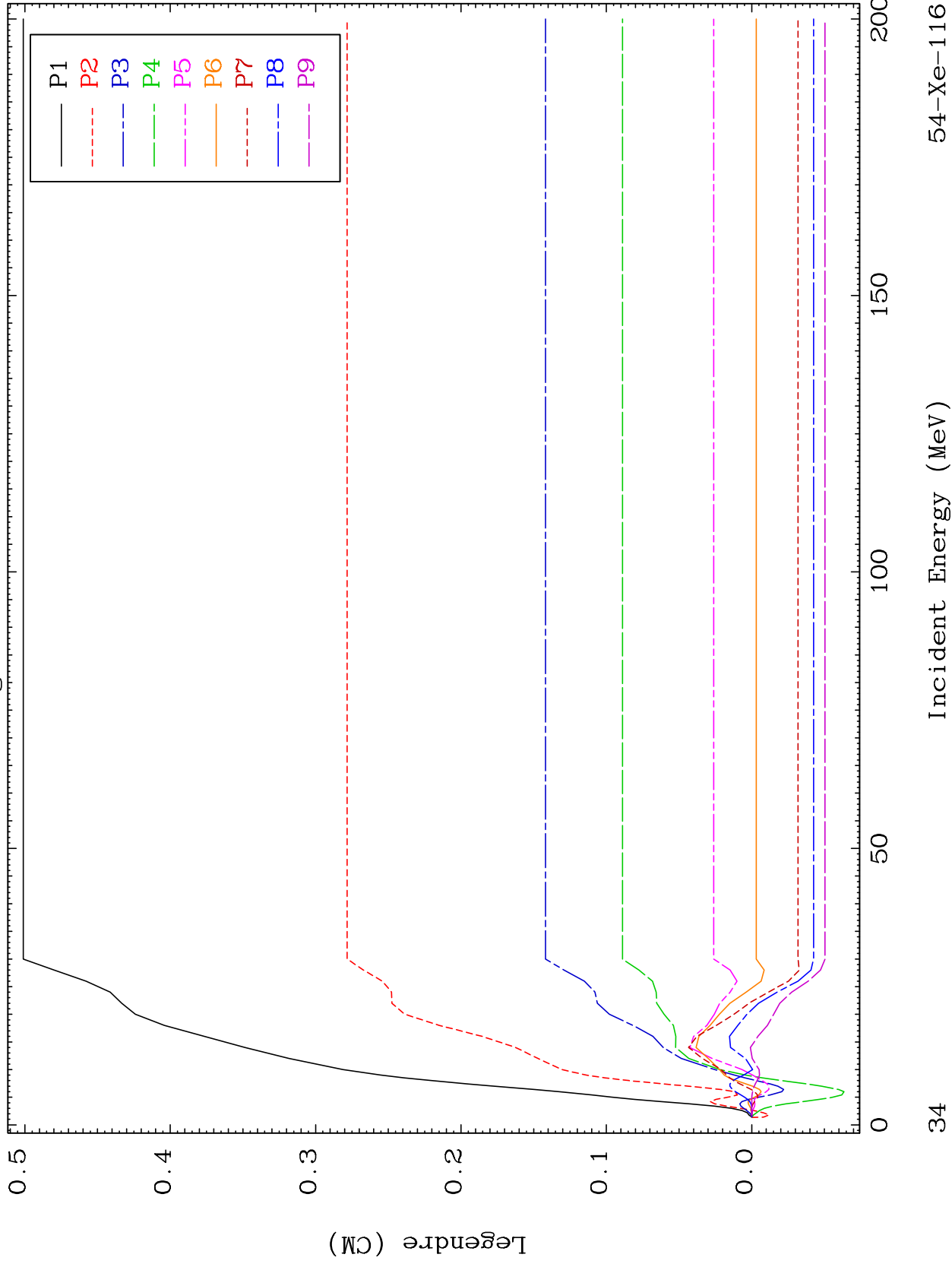
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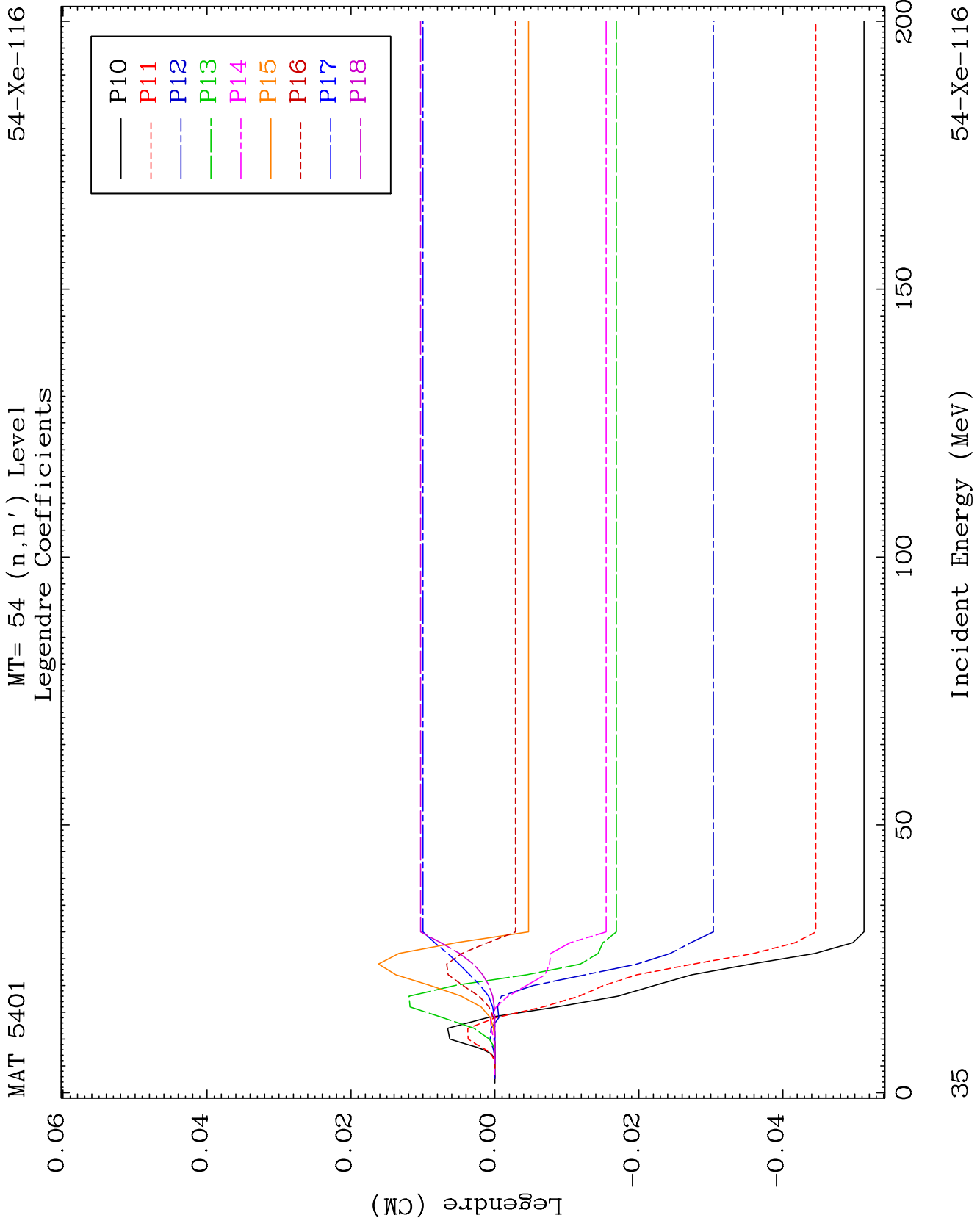
54-Xe-116

MAT 5401

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

54-Xe-116

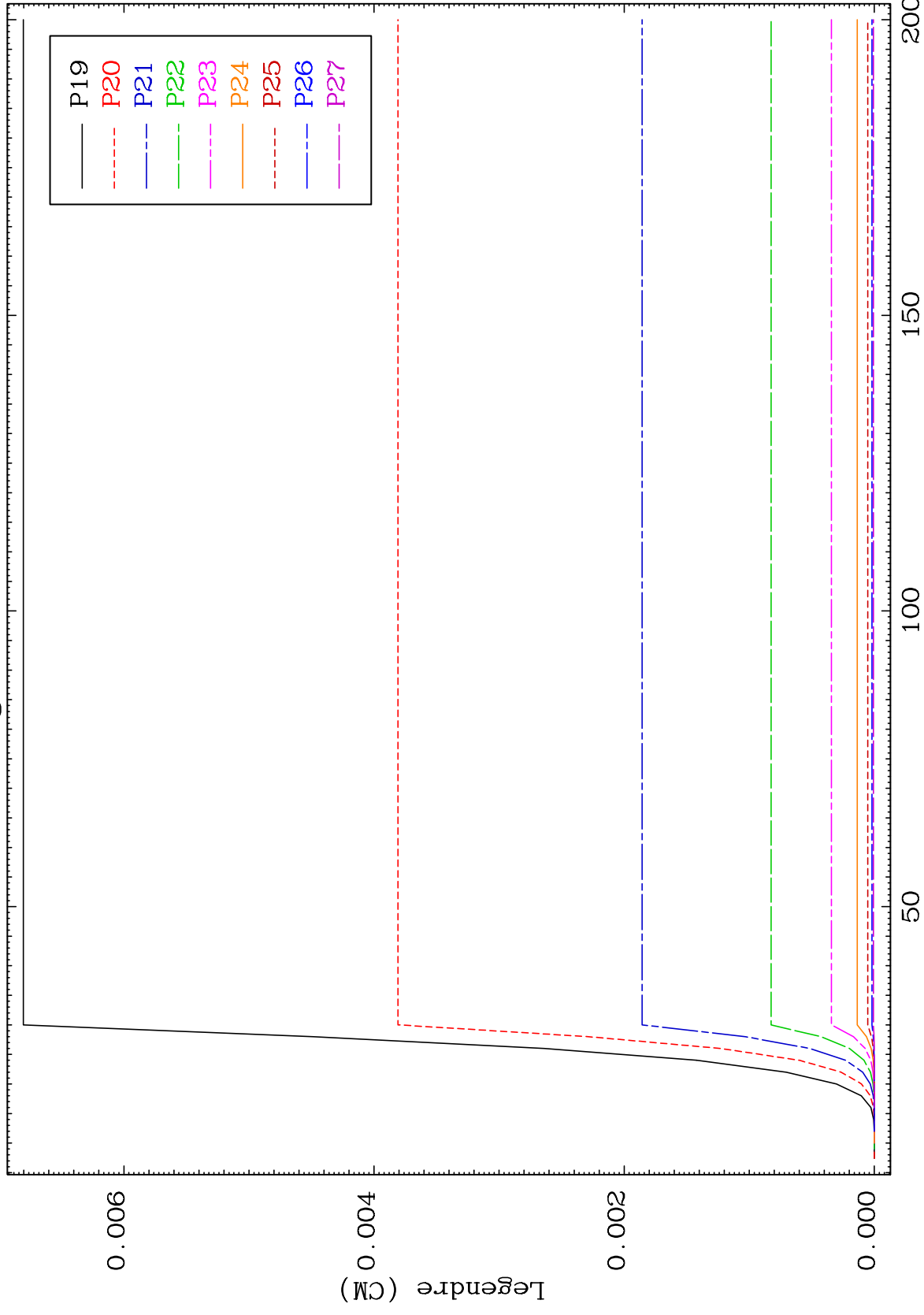




MAT 5401

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

54-Xe-116



36

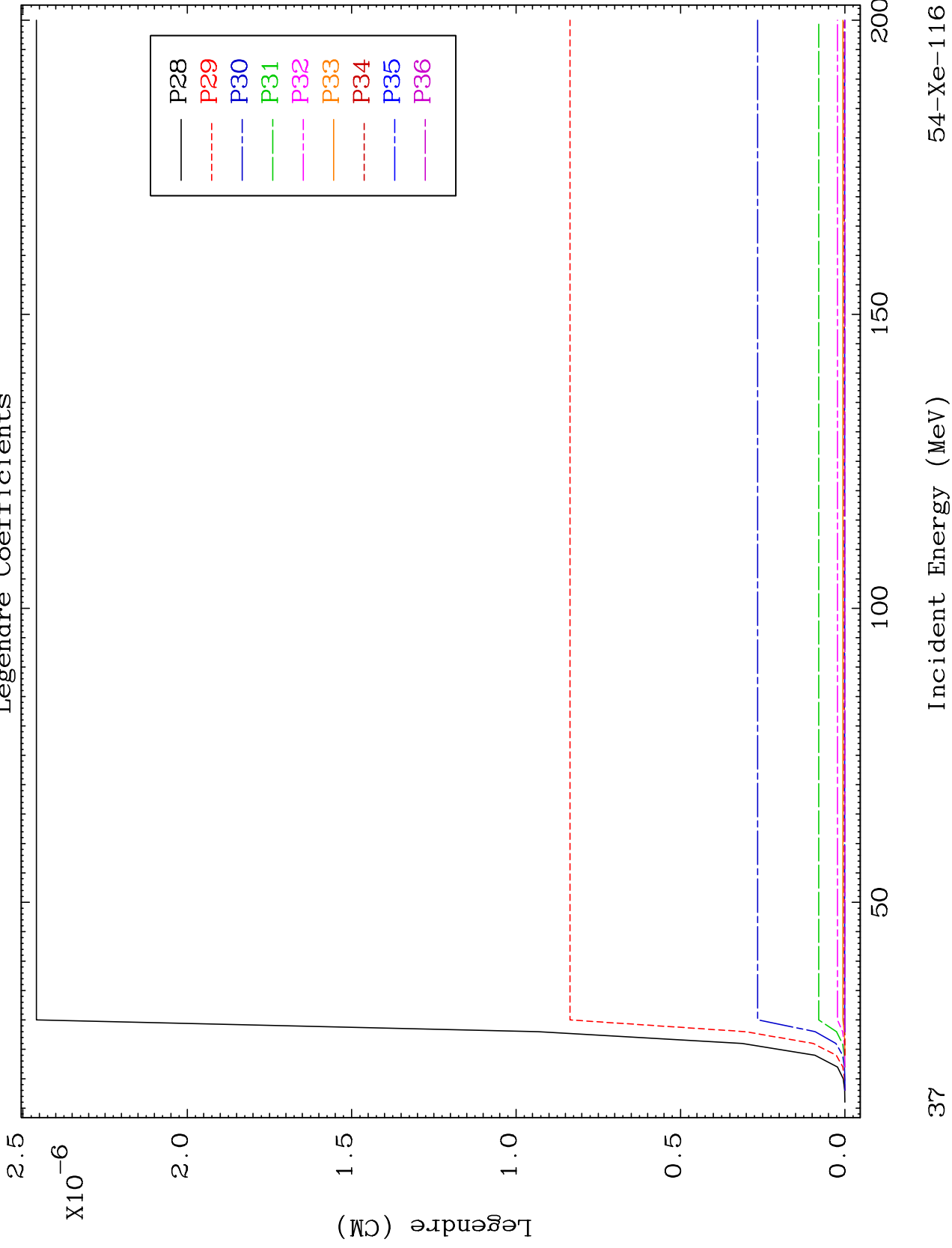
Incident Energy (MeV)

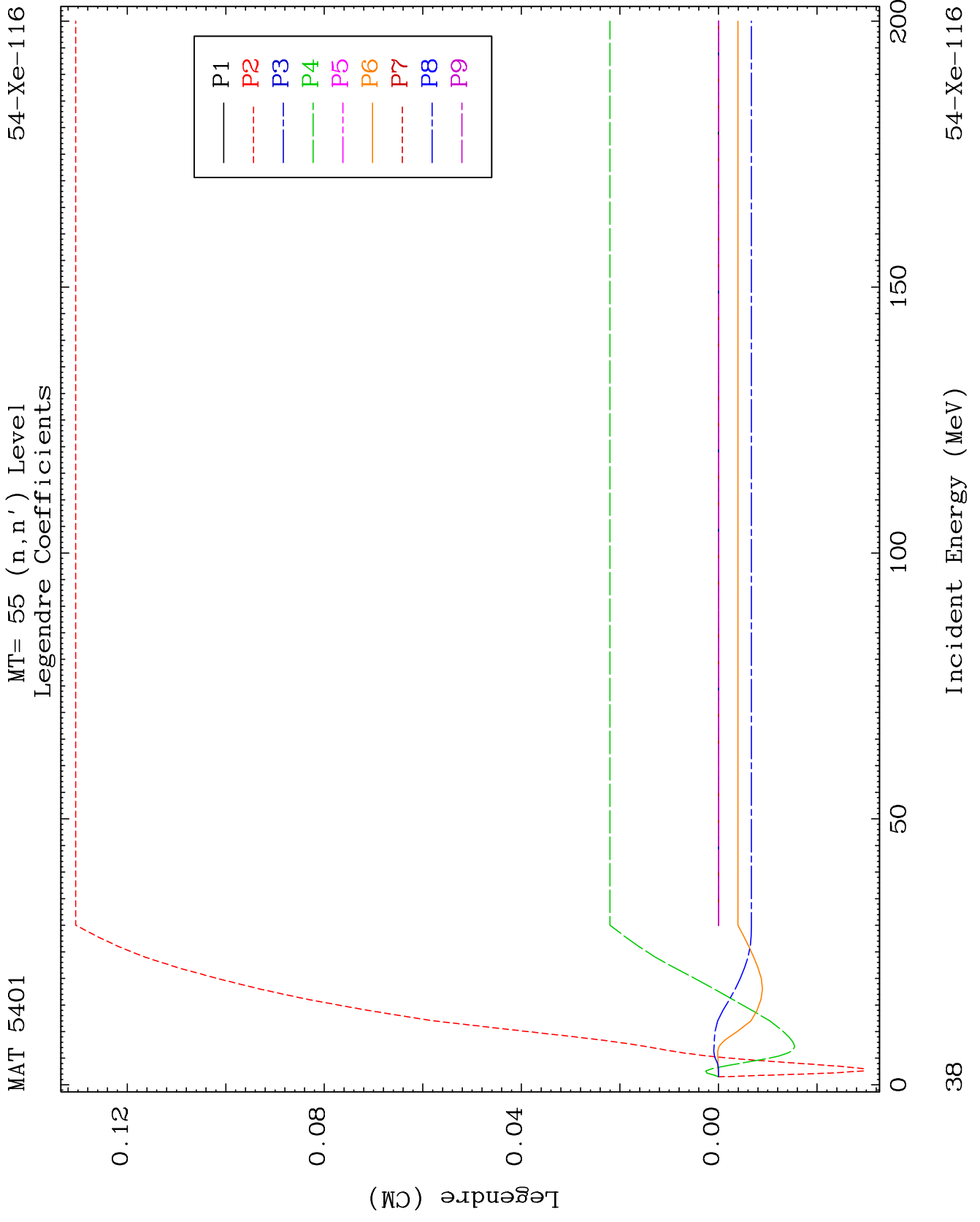
54-Xe-116

MAT 5401

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

54-Xe-116

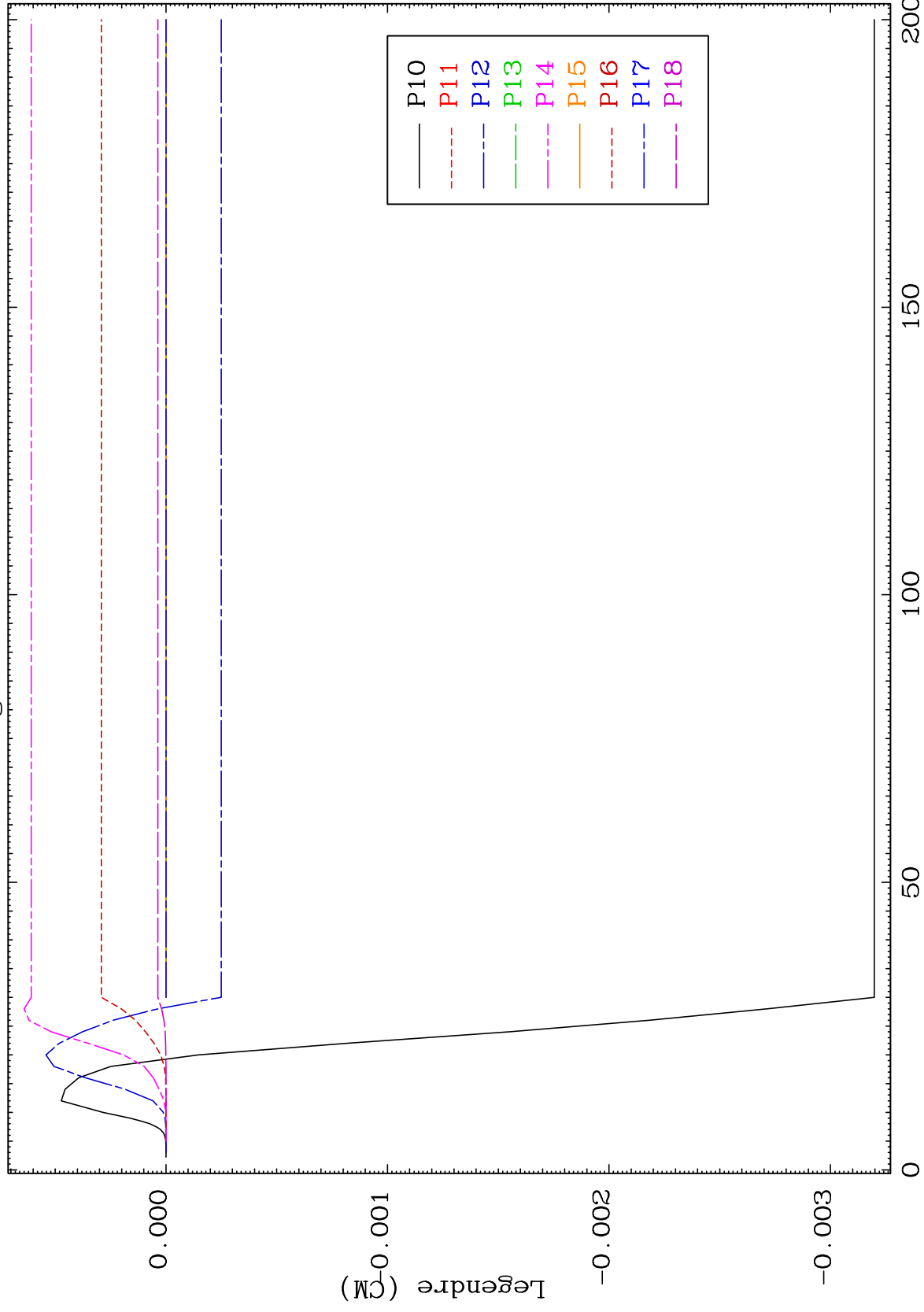




MAT 5401

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

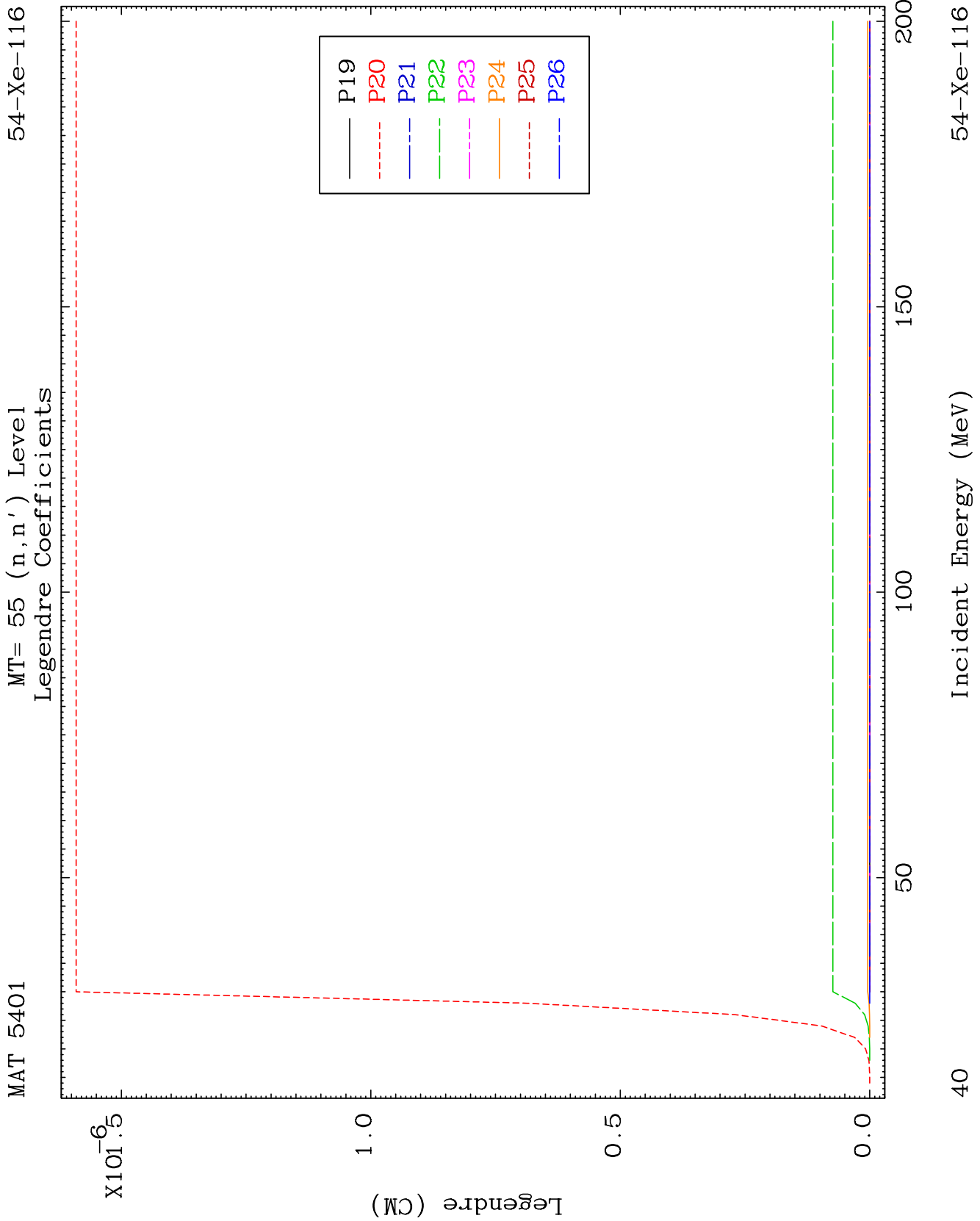
54-Xe-116



39

Incident Energy (MeV)

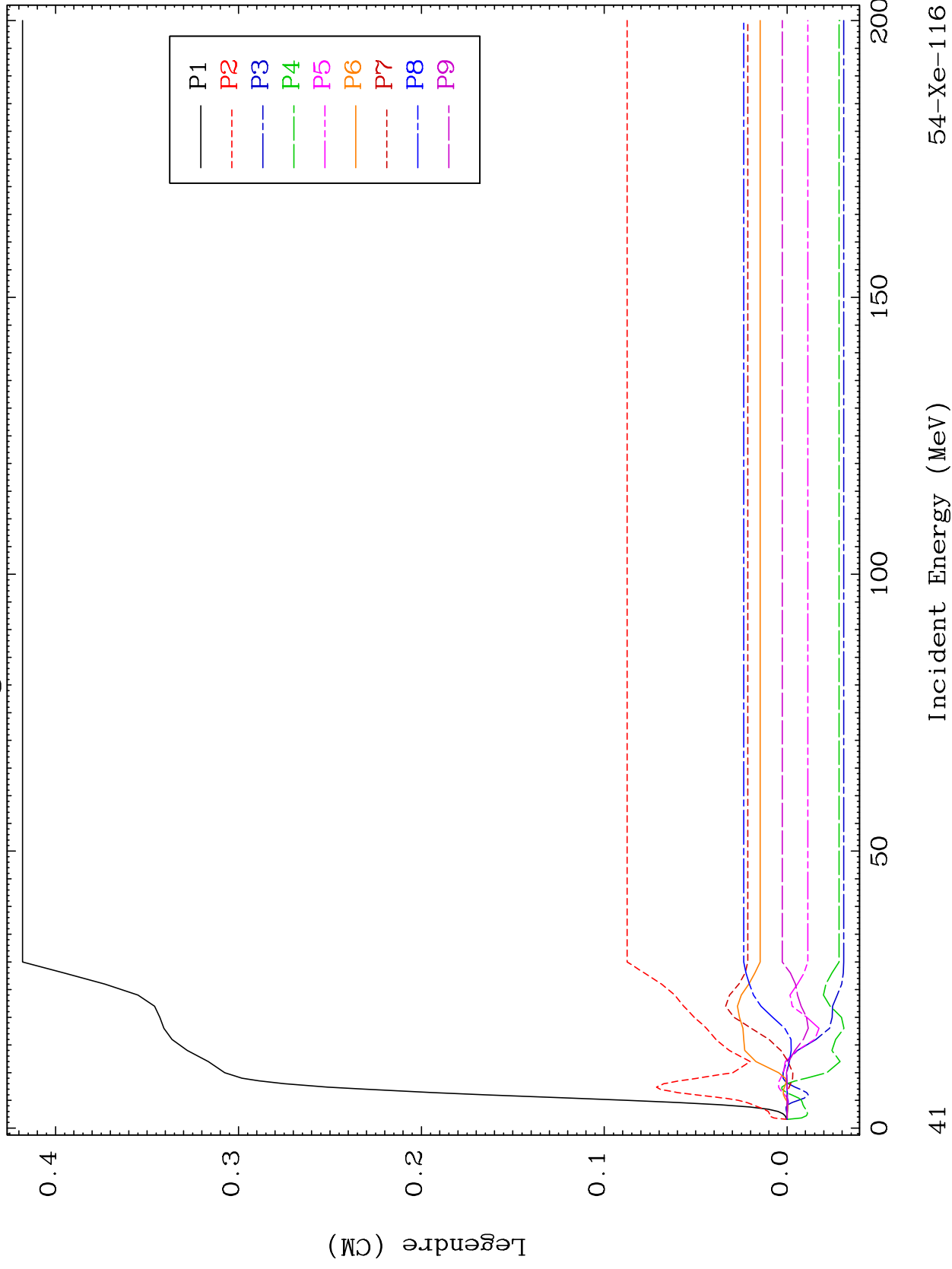
54-Xe-116



MAT 5401

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

54-Xe-116



54-Xe-116

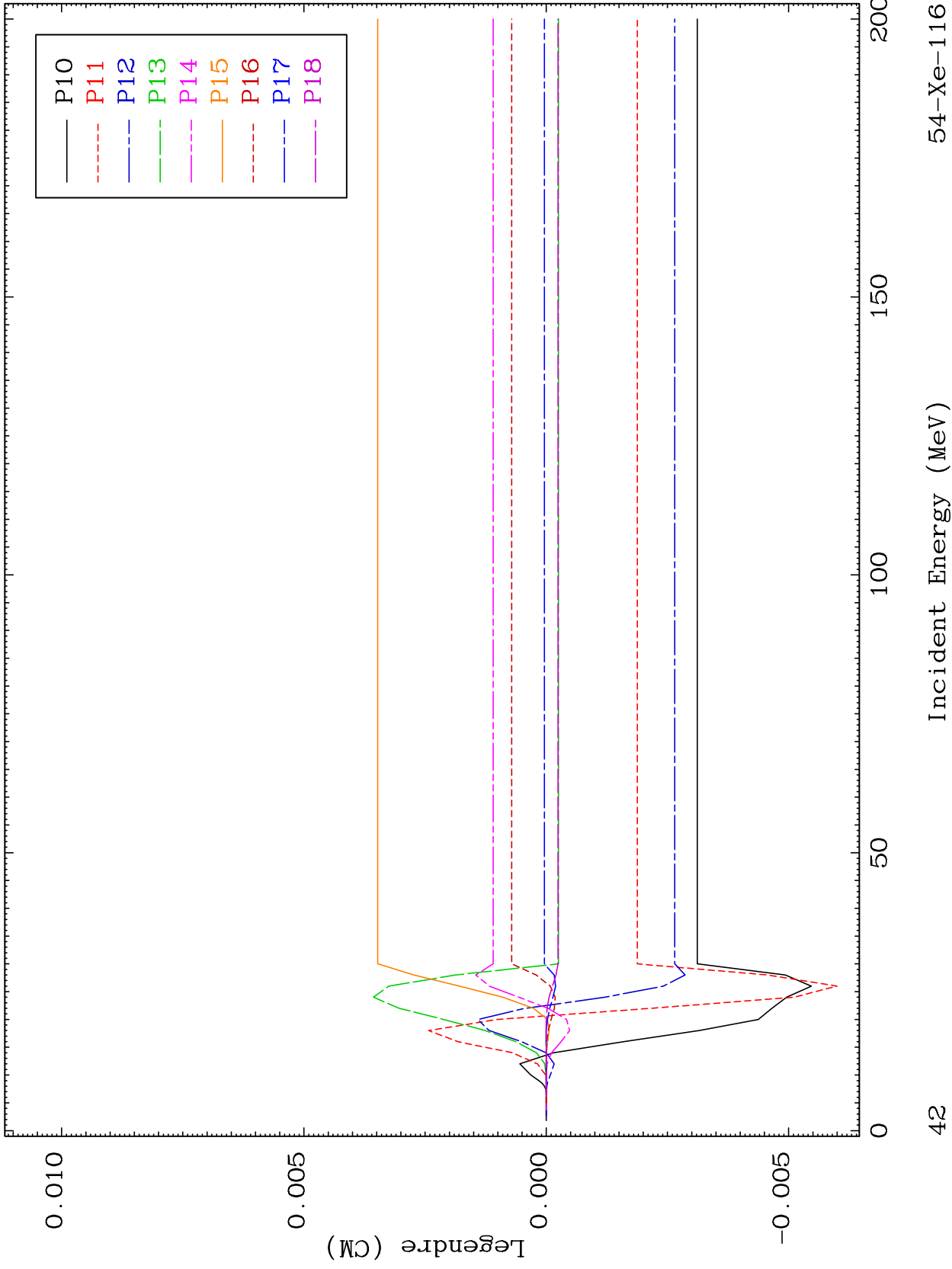
Incident Energy (MeV)

41

MAT 5401

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

54-Xe-116



54-Xe-116

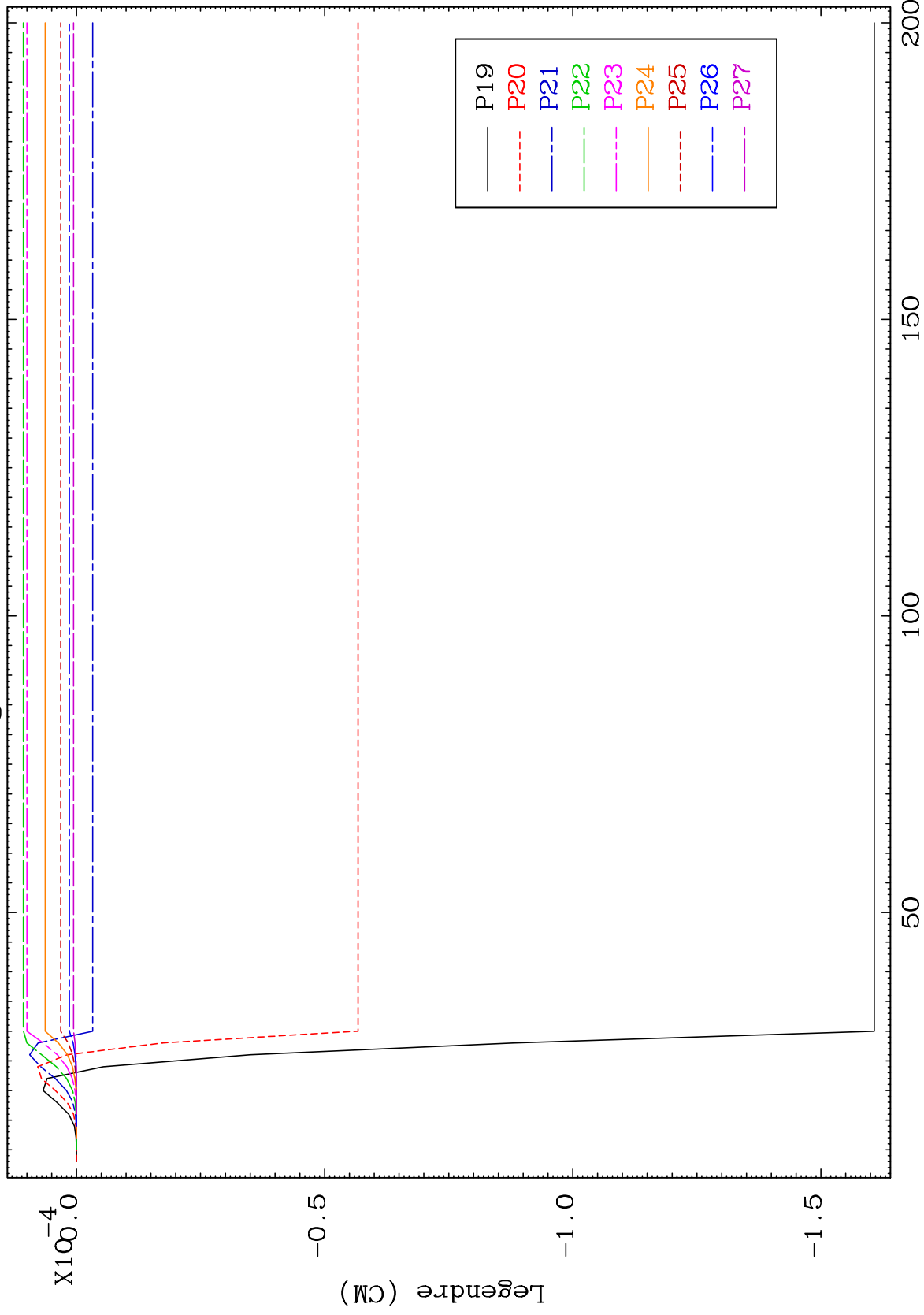
Incident Energy (MeV)

42

MAT 5401

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

54-Xe-116



43

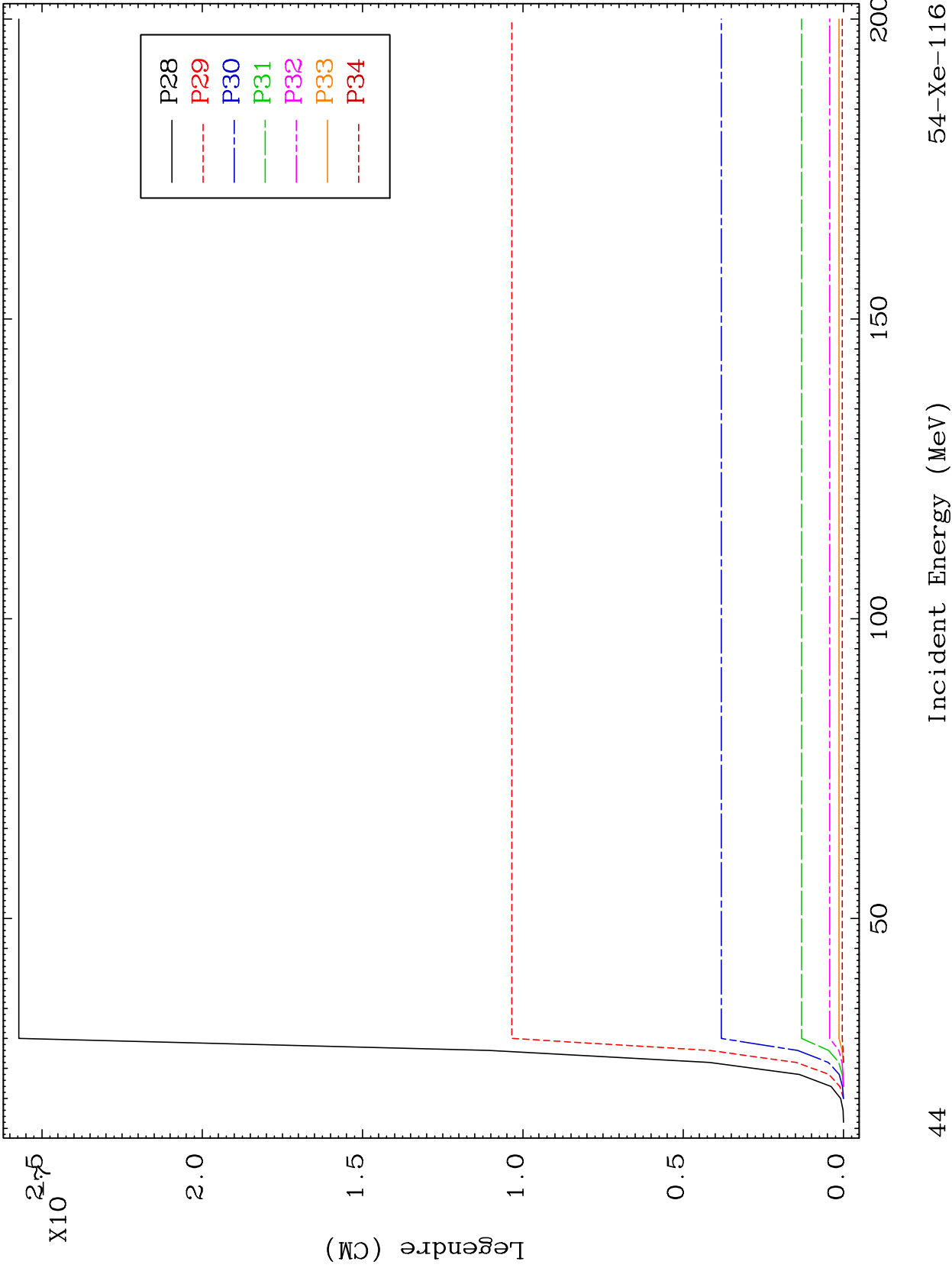
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



44

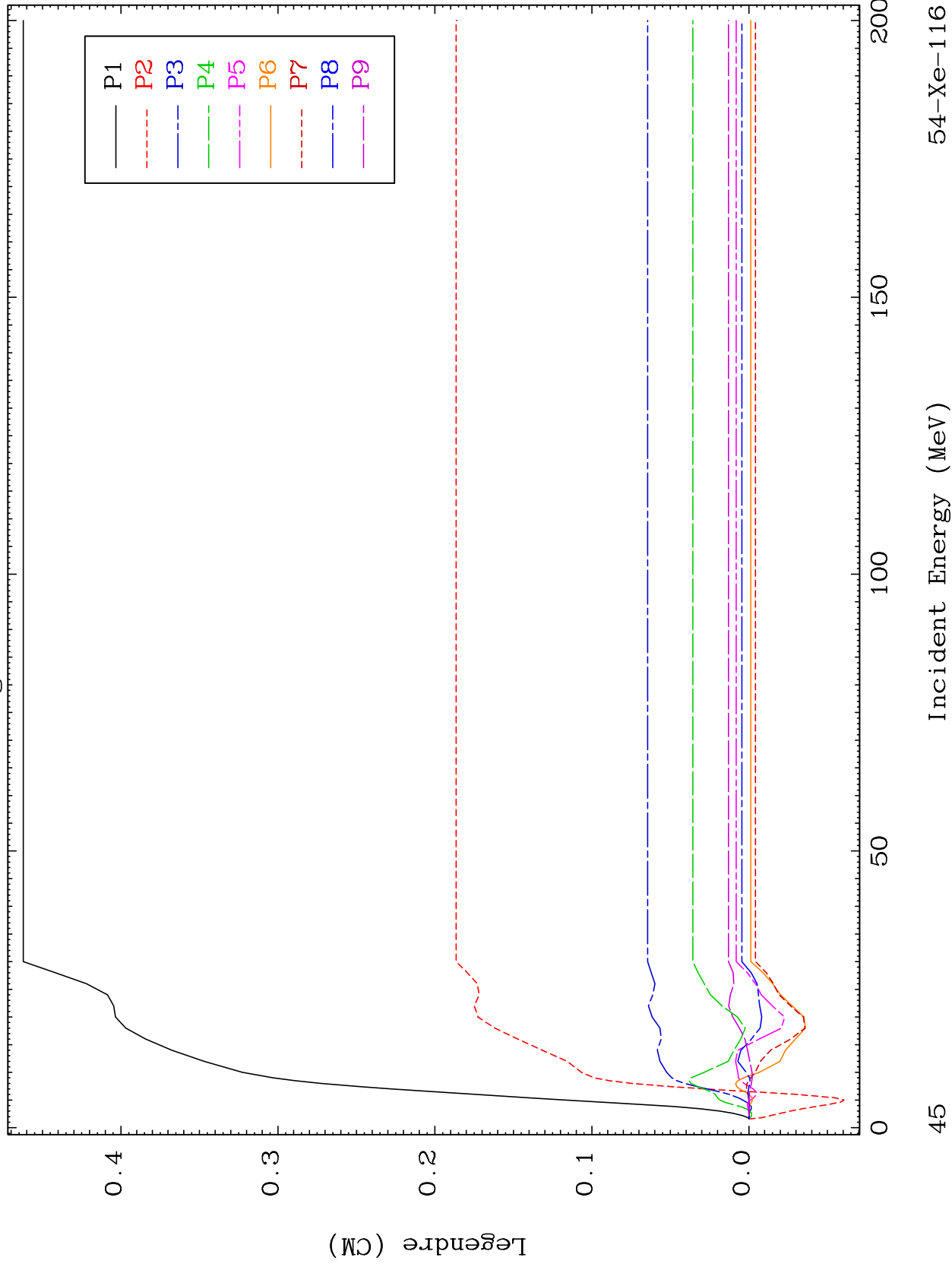
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



54-Xe-116

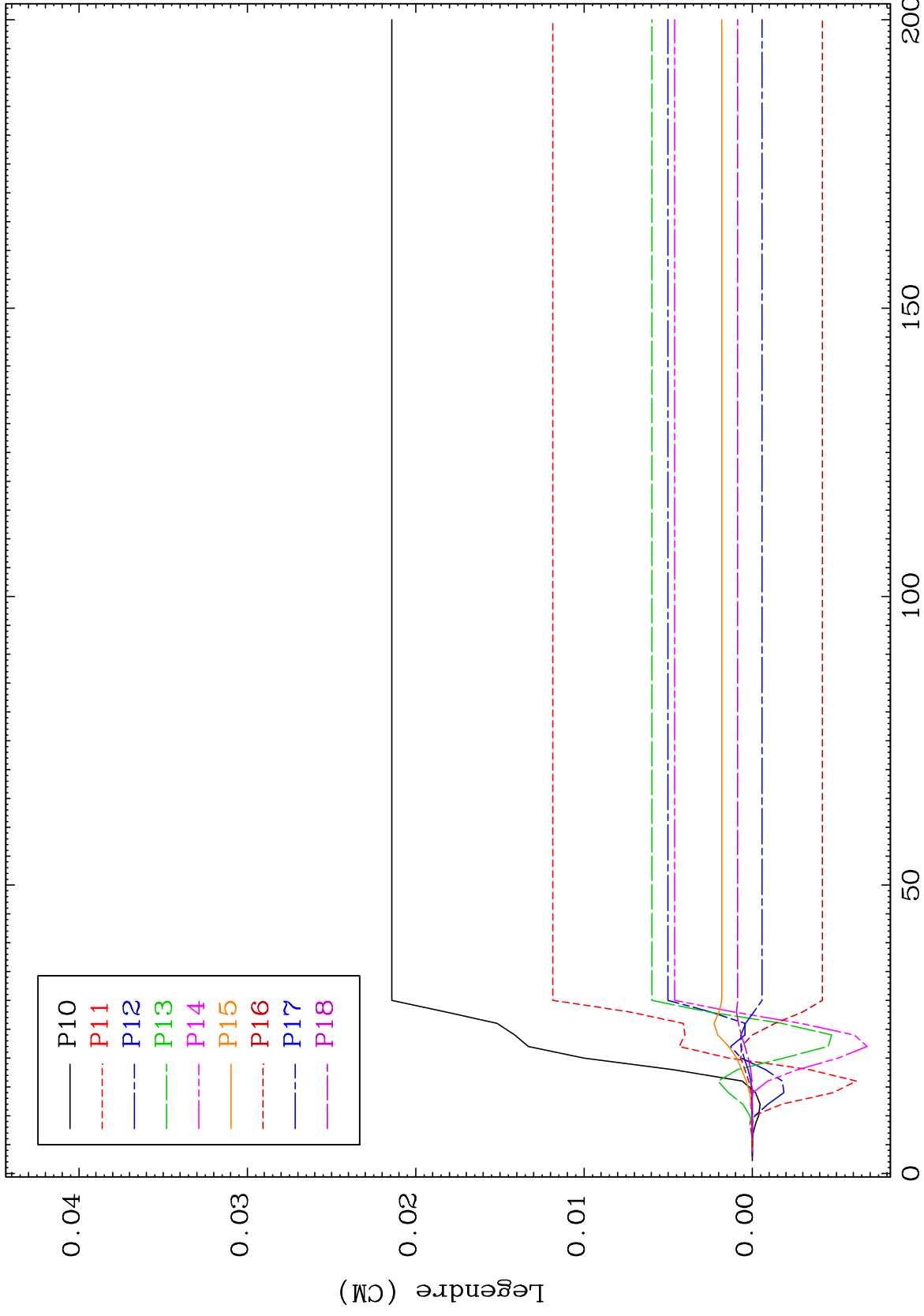
Incident Energy (MeV)

45

MAT 5401

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

54-Xe-116



46

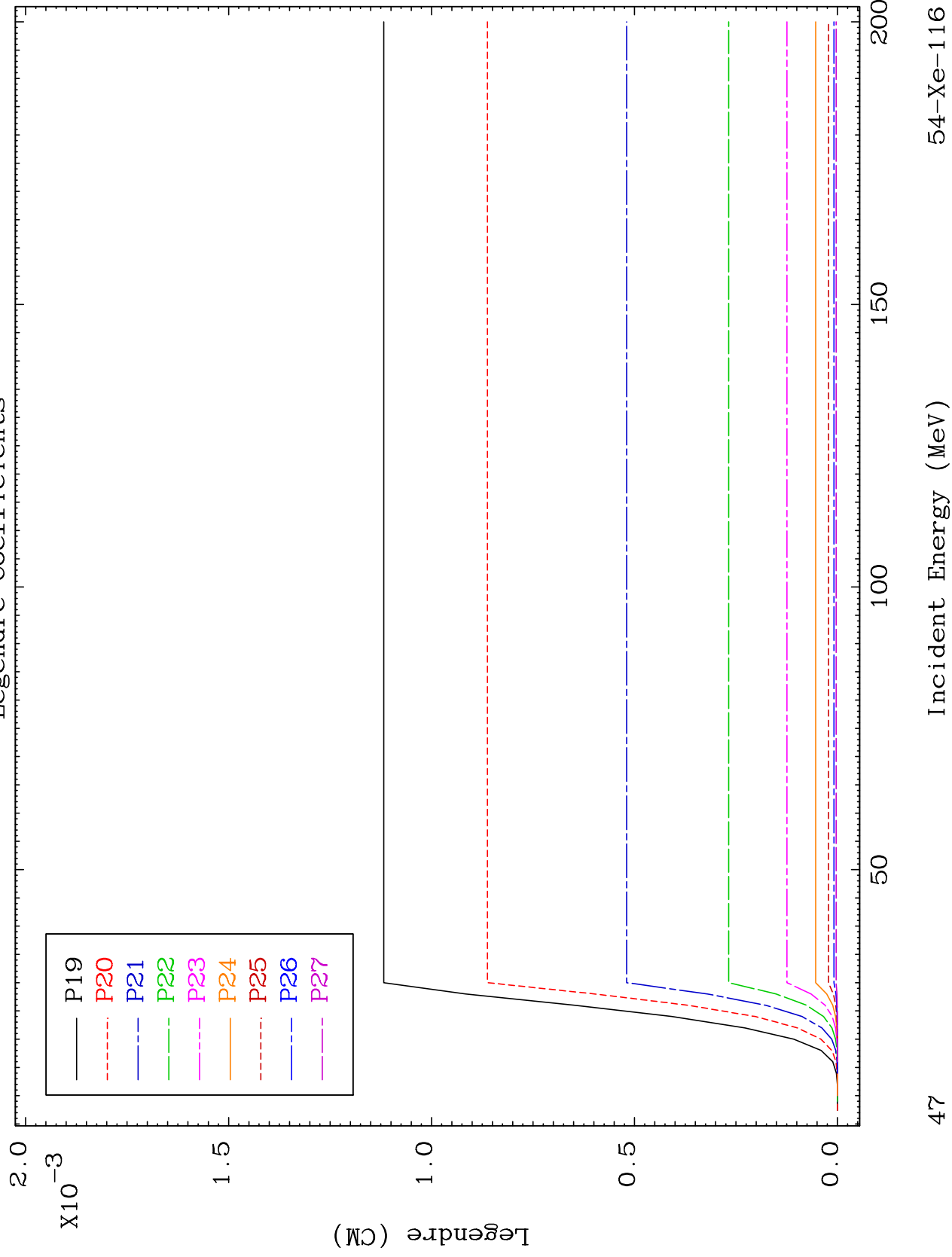
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

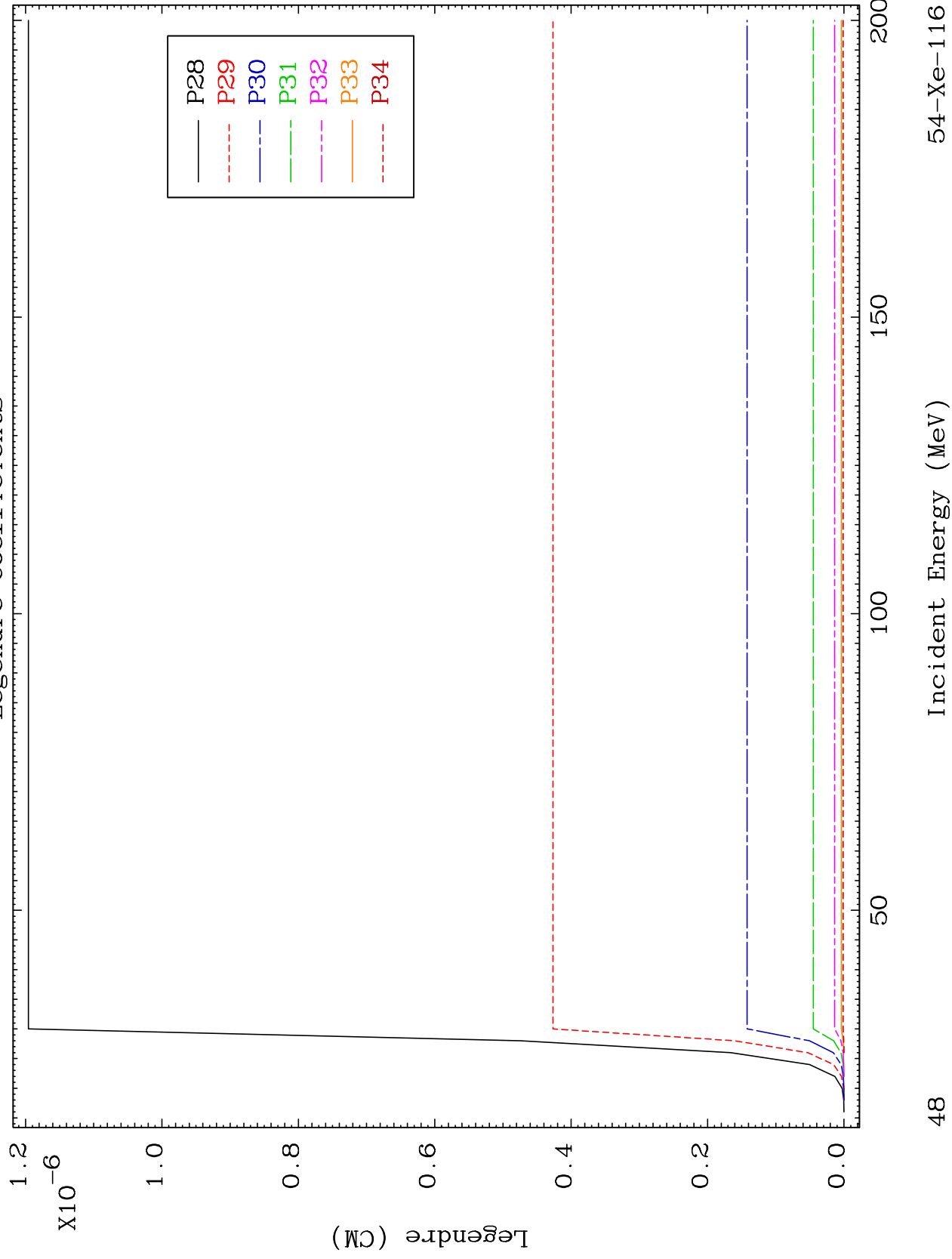
54-Xe-116



MAT 5401

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

54-Xe-116



54-Xe-116

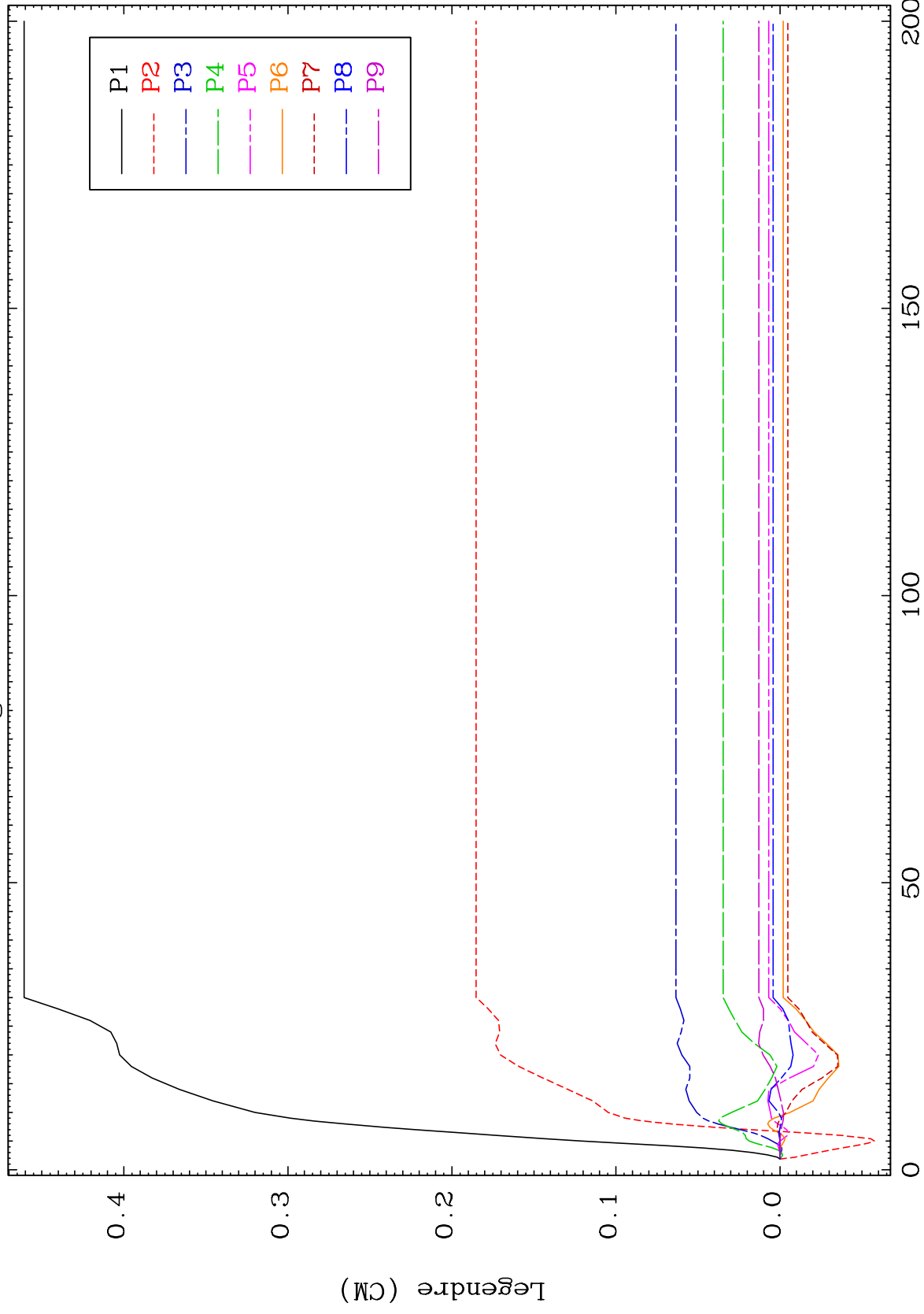
Incident Energy (MeV)

48

MAT 5401

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

54-Xe-116



49

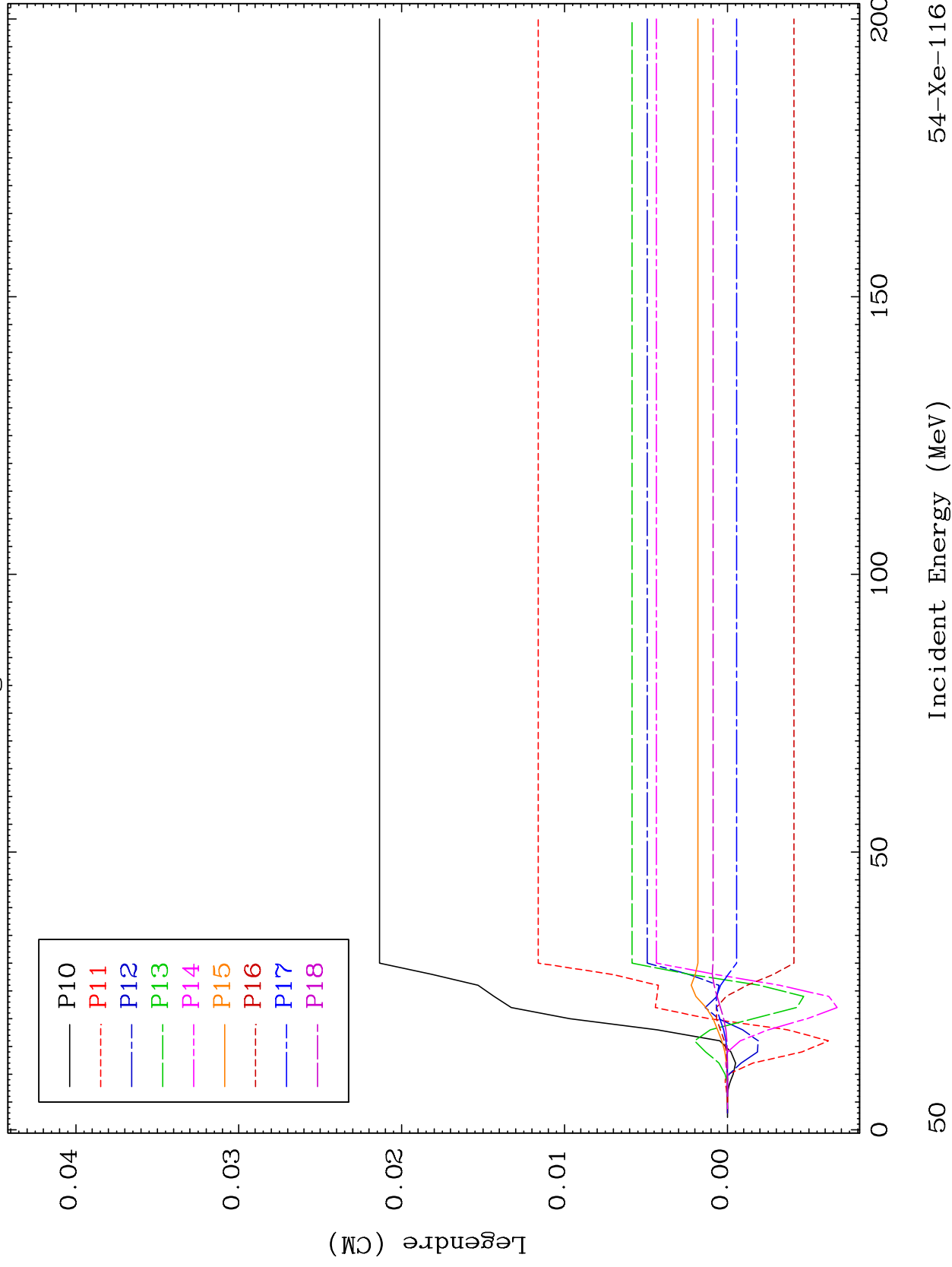
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116

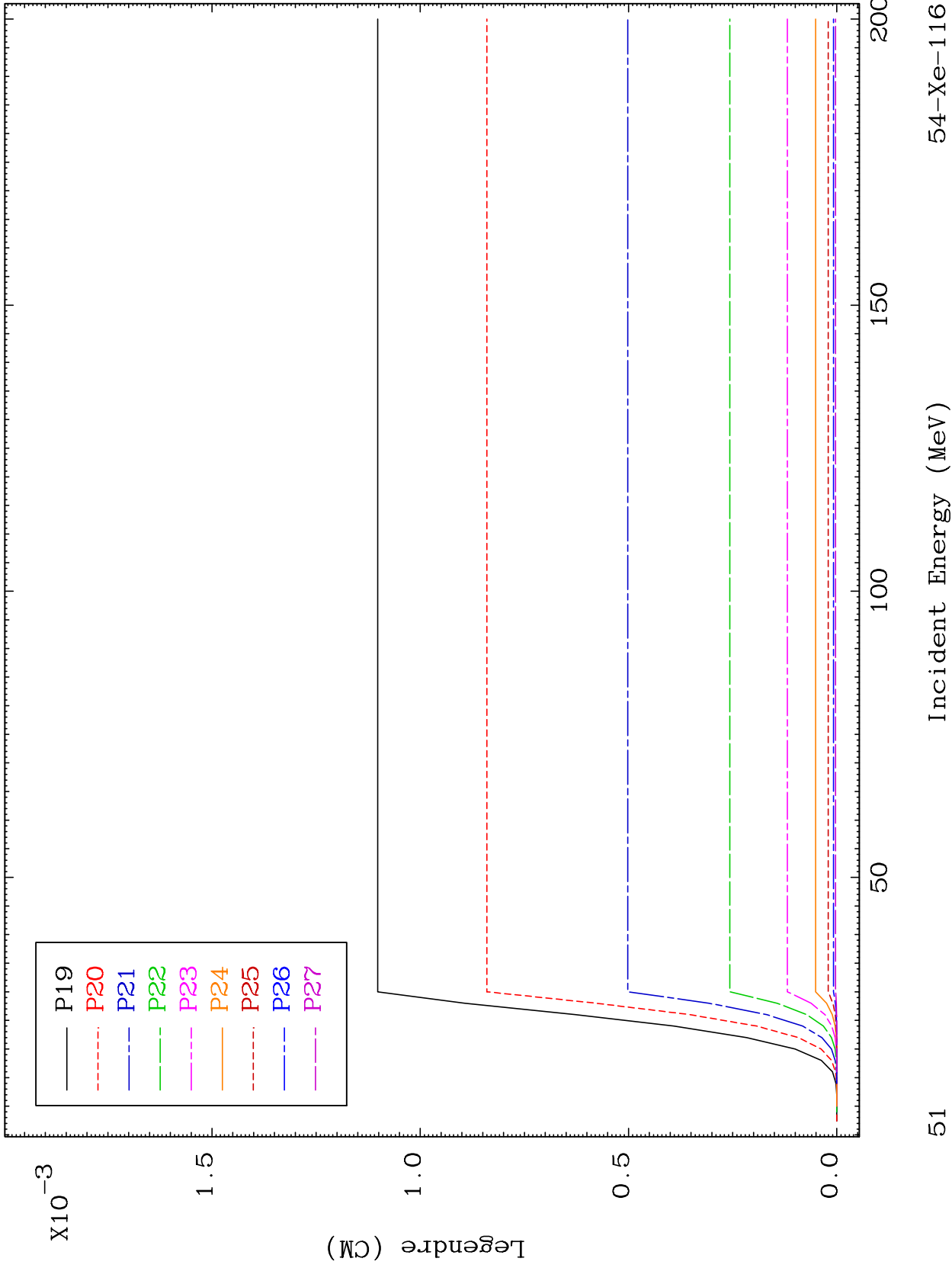


54-Xe-116

MAT 5401

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

54-Xe-116



51

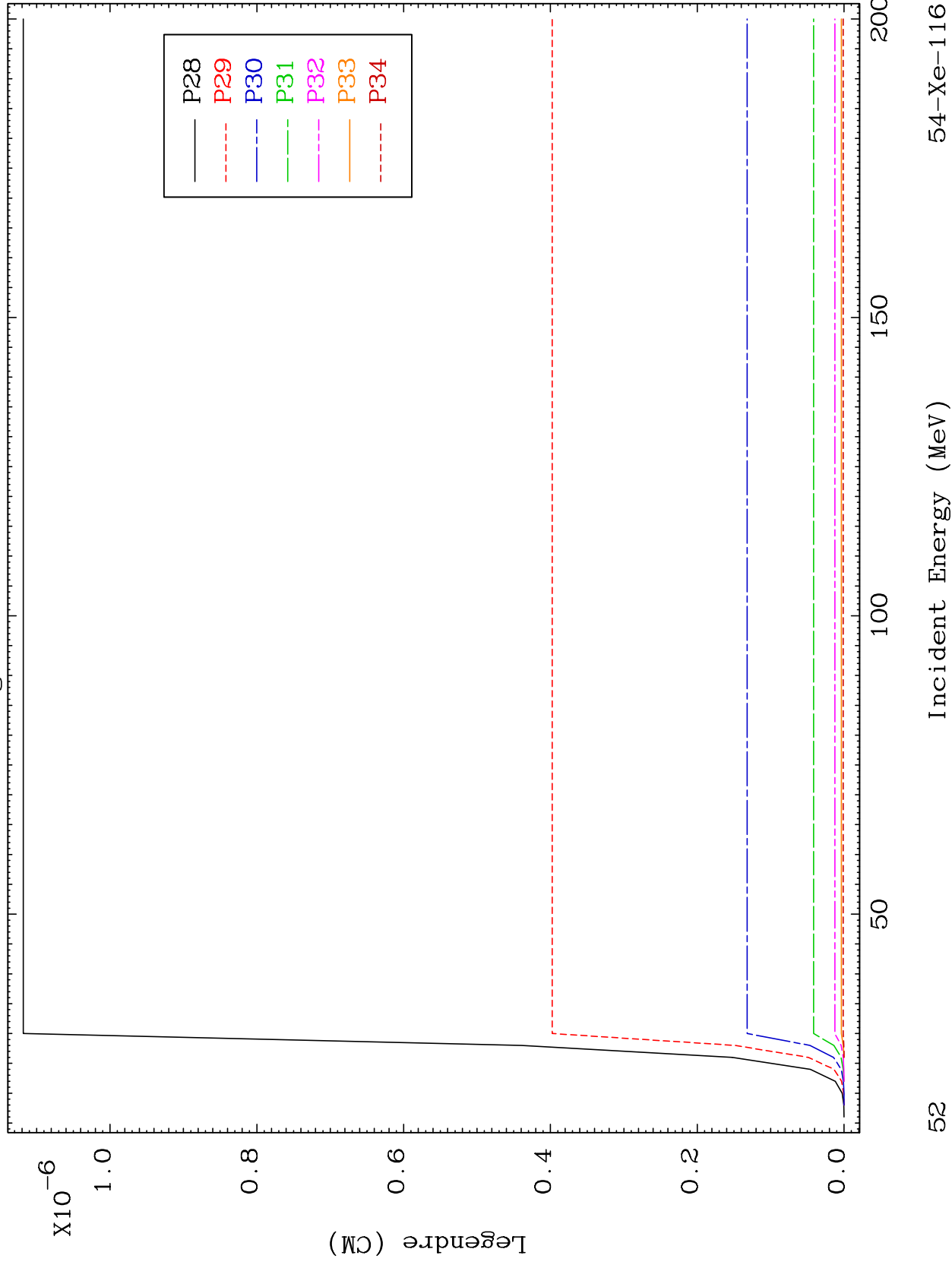
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



54-Xe-116

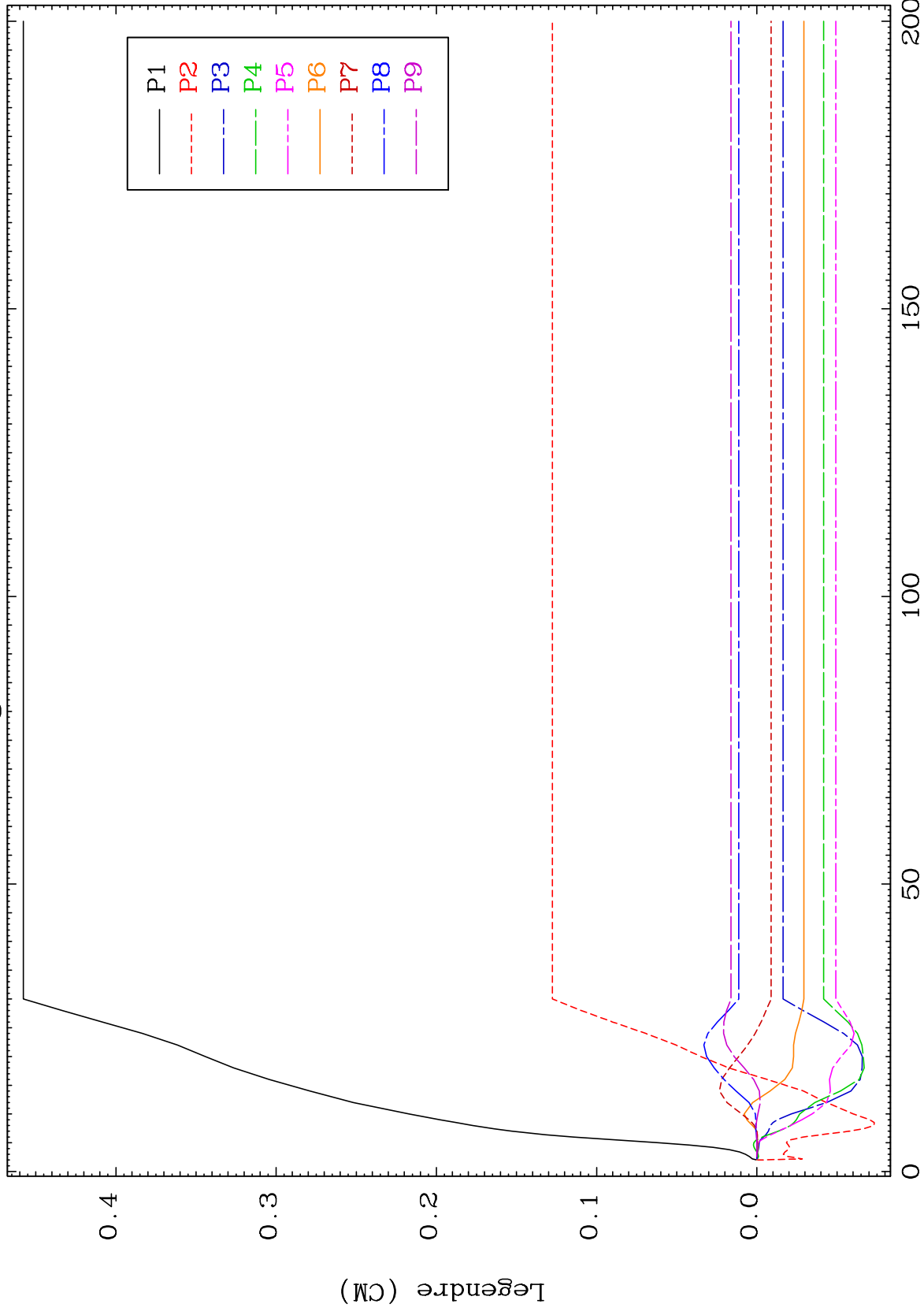
Incident Energy (MeV)

52

MAT 5401

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

54-Xe-116



53

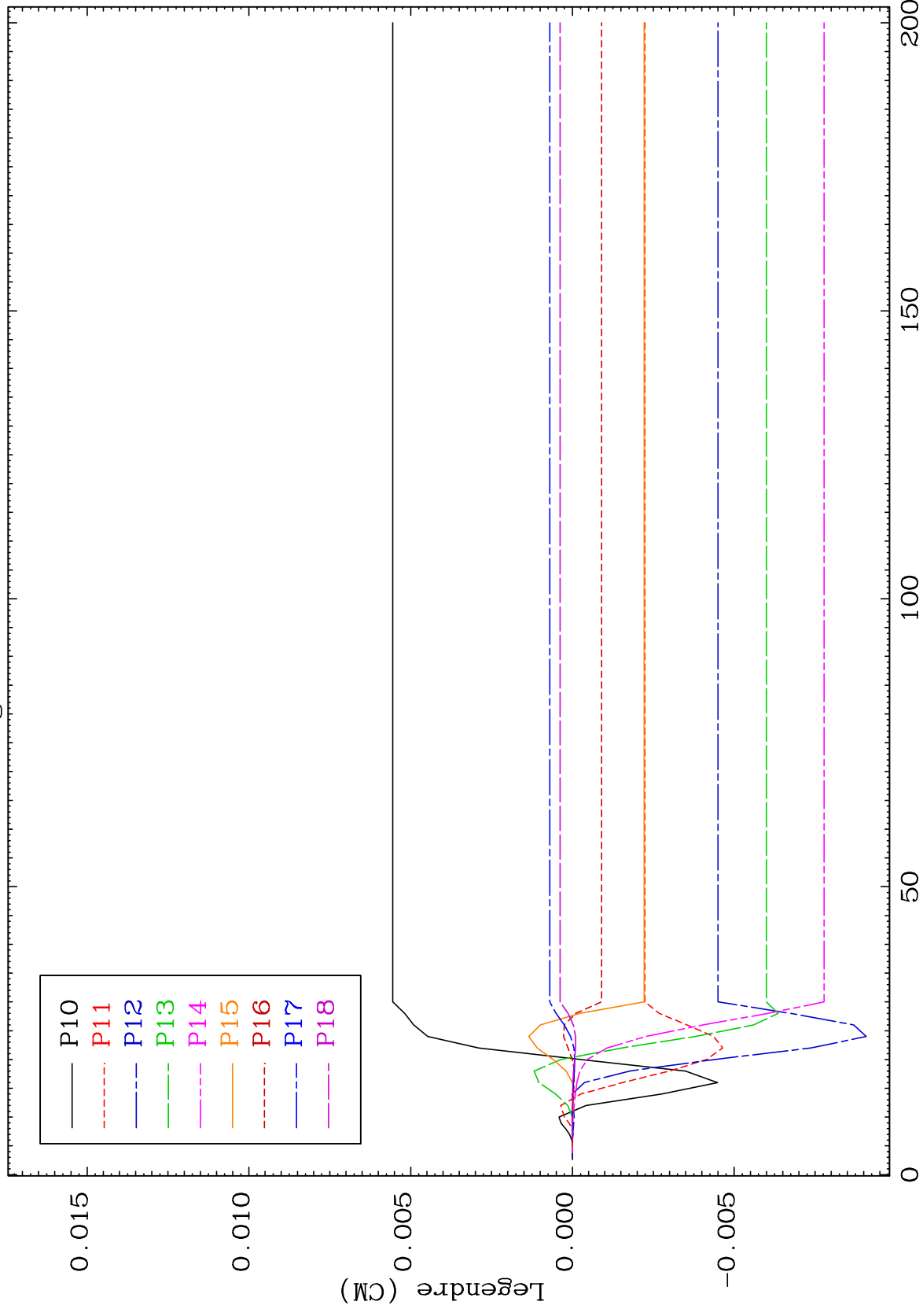
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

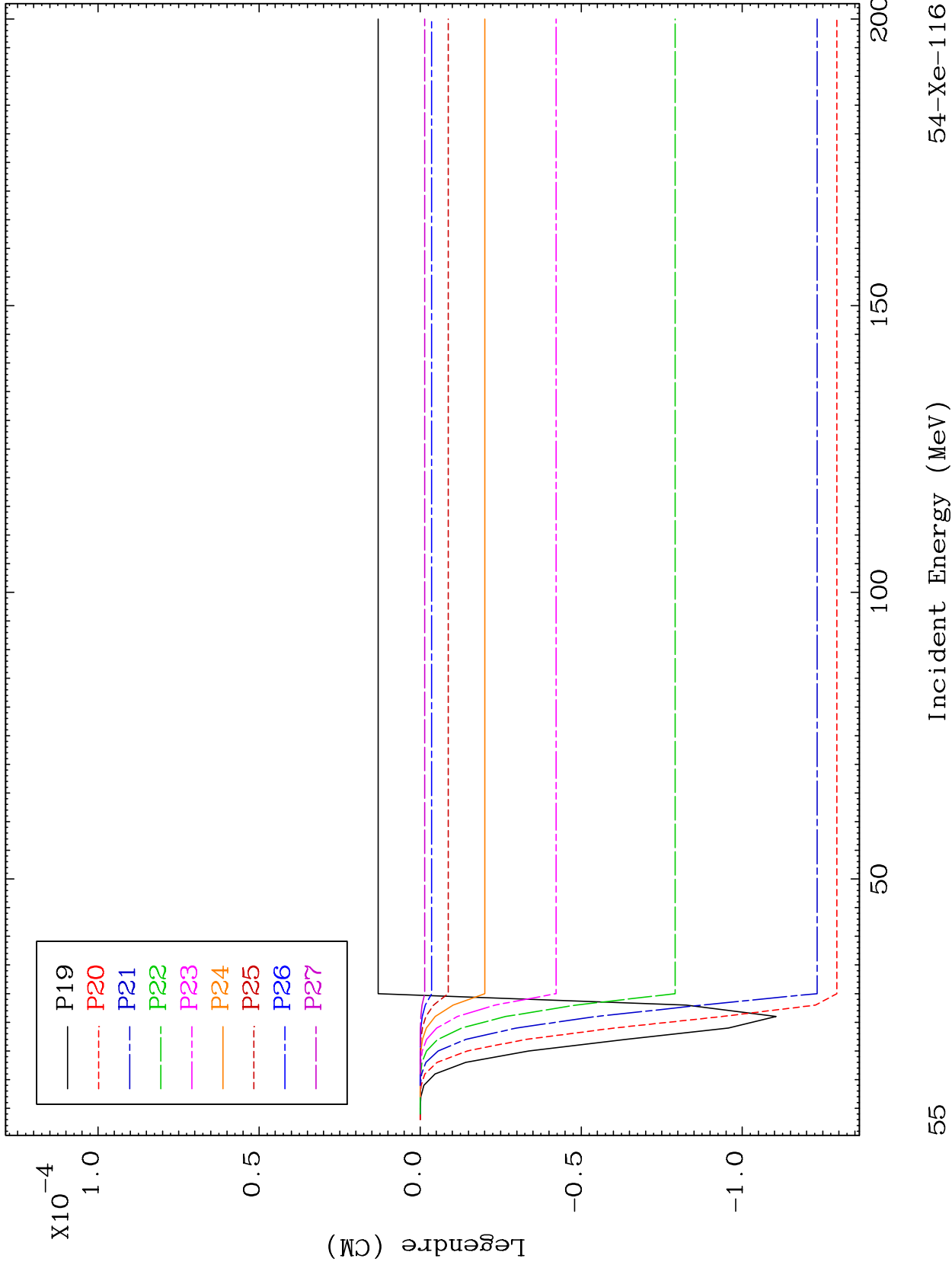
54-Xe-116



54

Incident Energy (MeV)

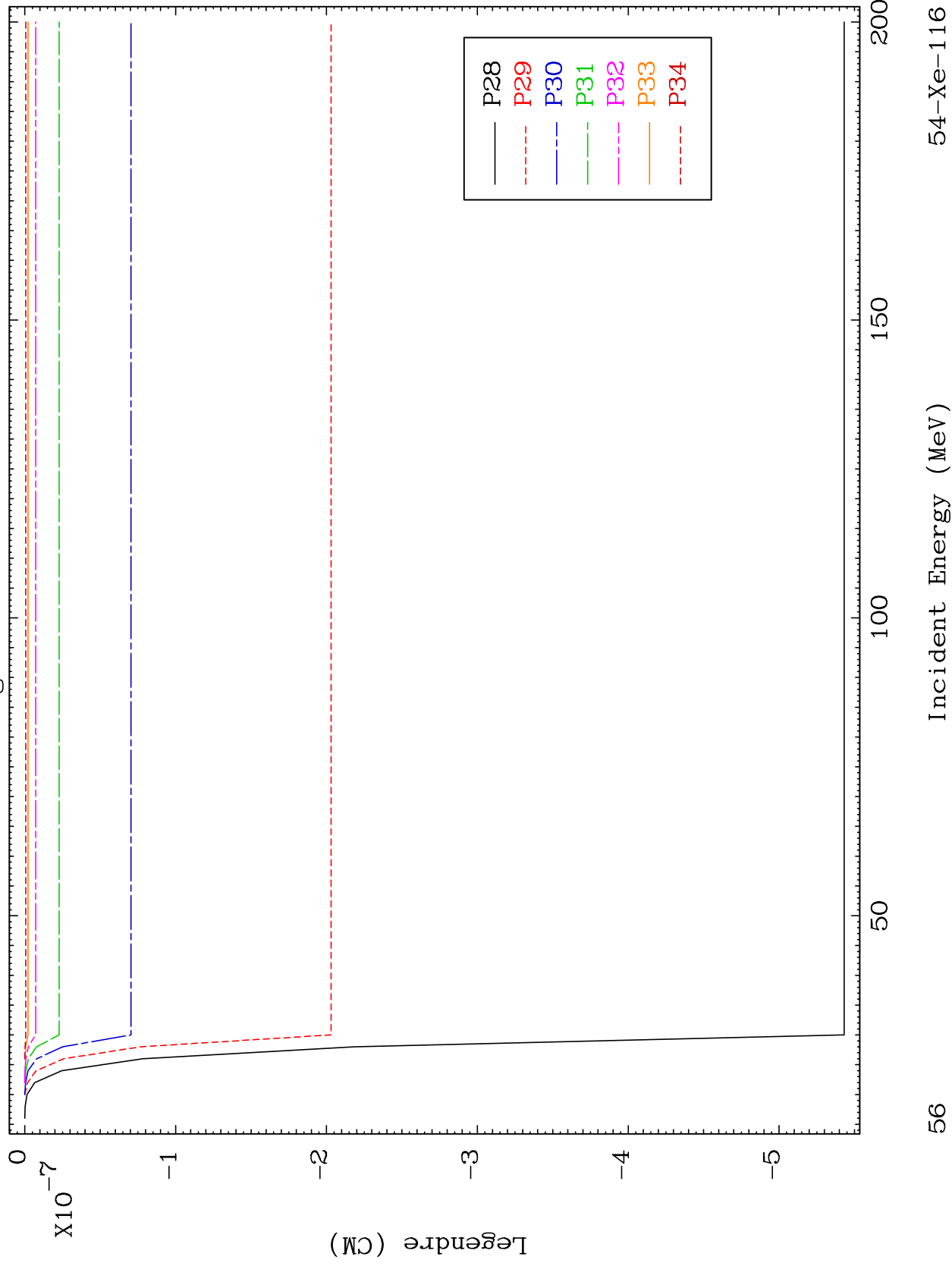
54-Xe-116



MAT 5401

54-Xe-116

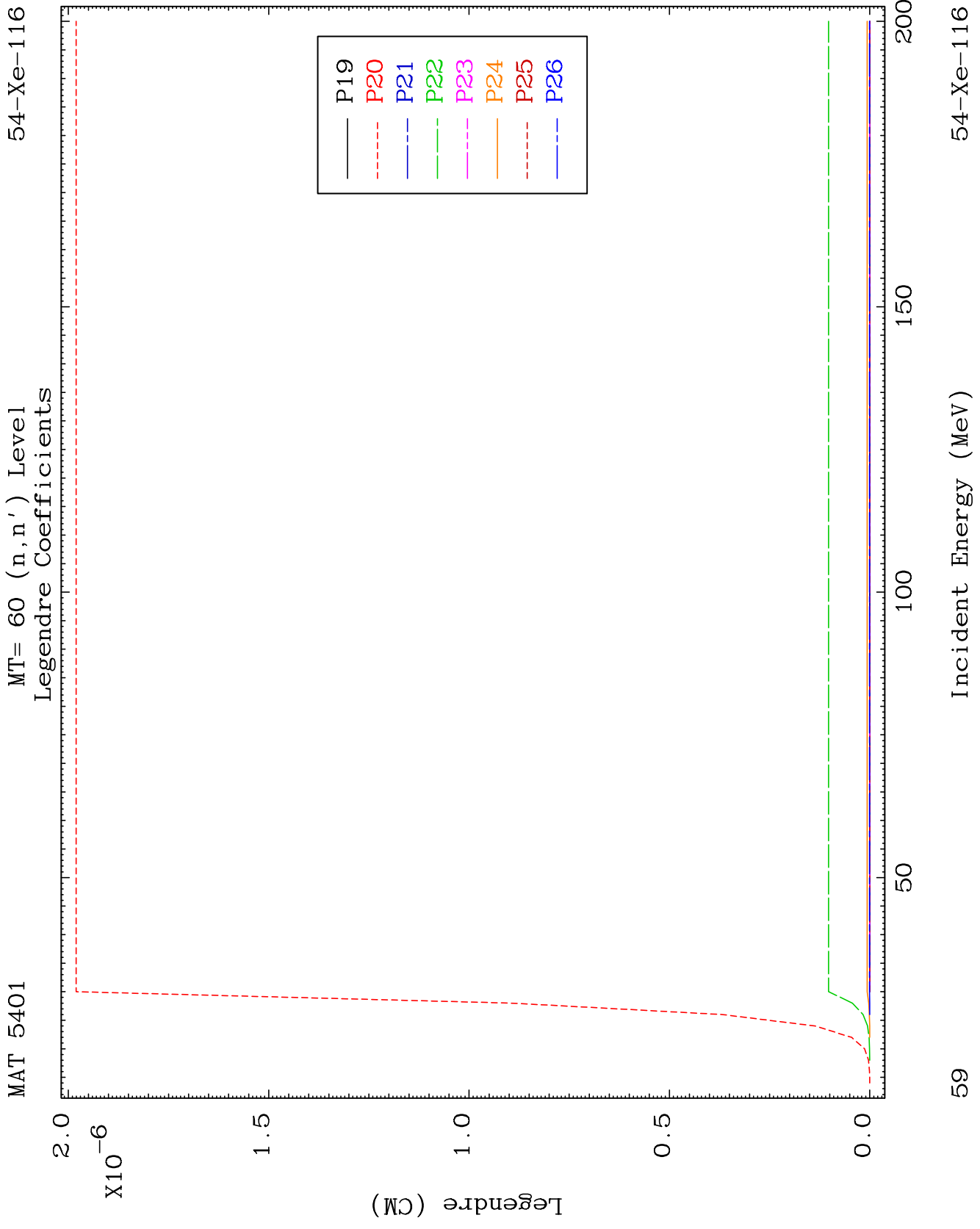
MT= 59 (n,n') Level
Legendre Coefficients



56

Incident Energy (MeV)

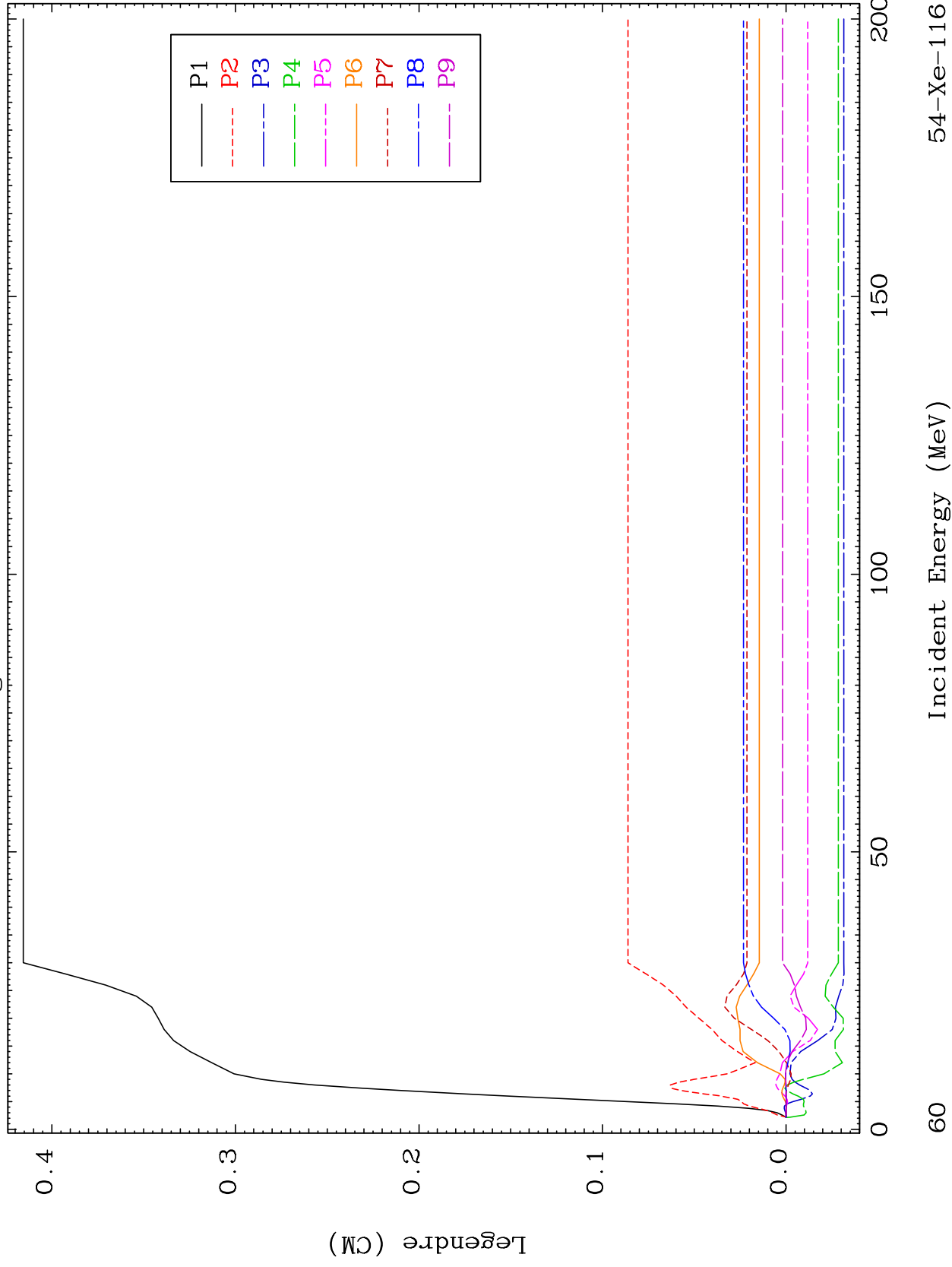
54-Xe-116



MAT 5401

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

54-Xe-116



54-Xe-116

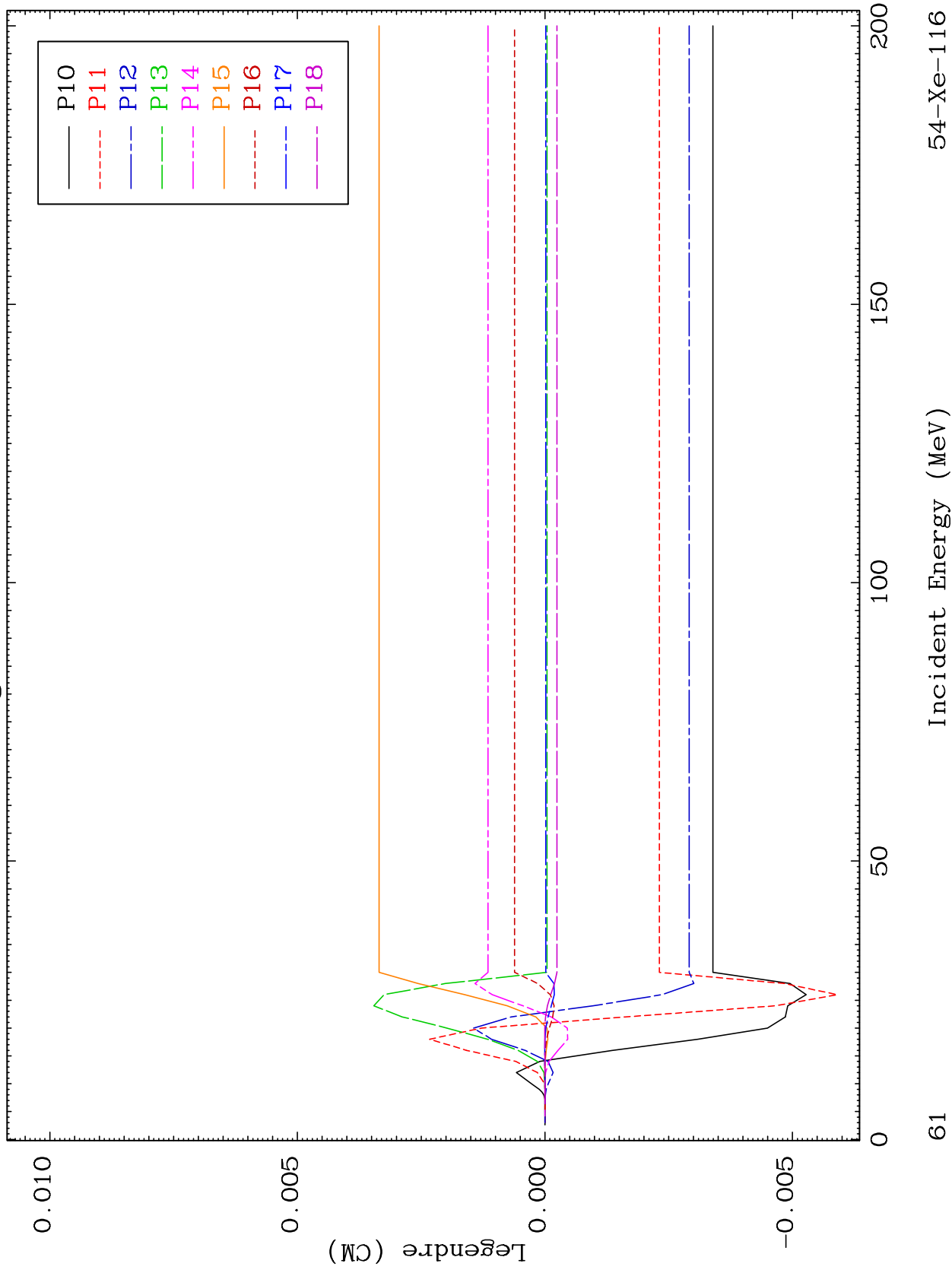
Incident Energy (MeV)

60

MAT 5401

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

54-Xe-116



54-Xe-116

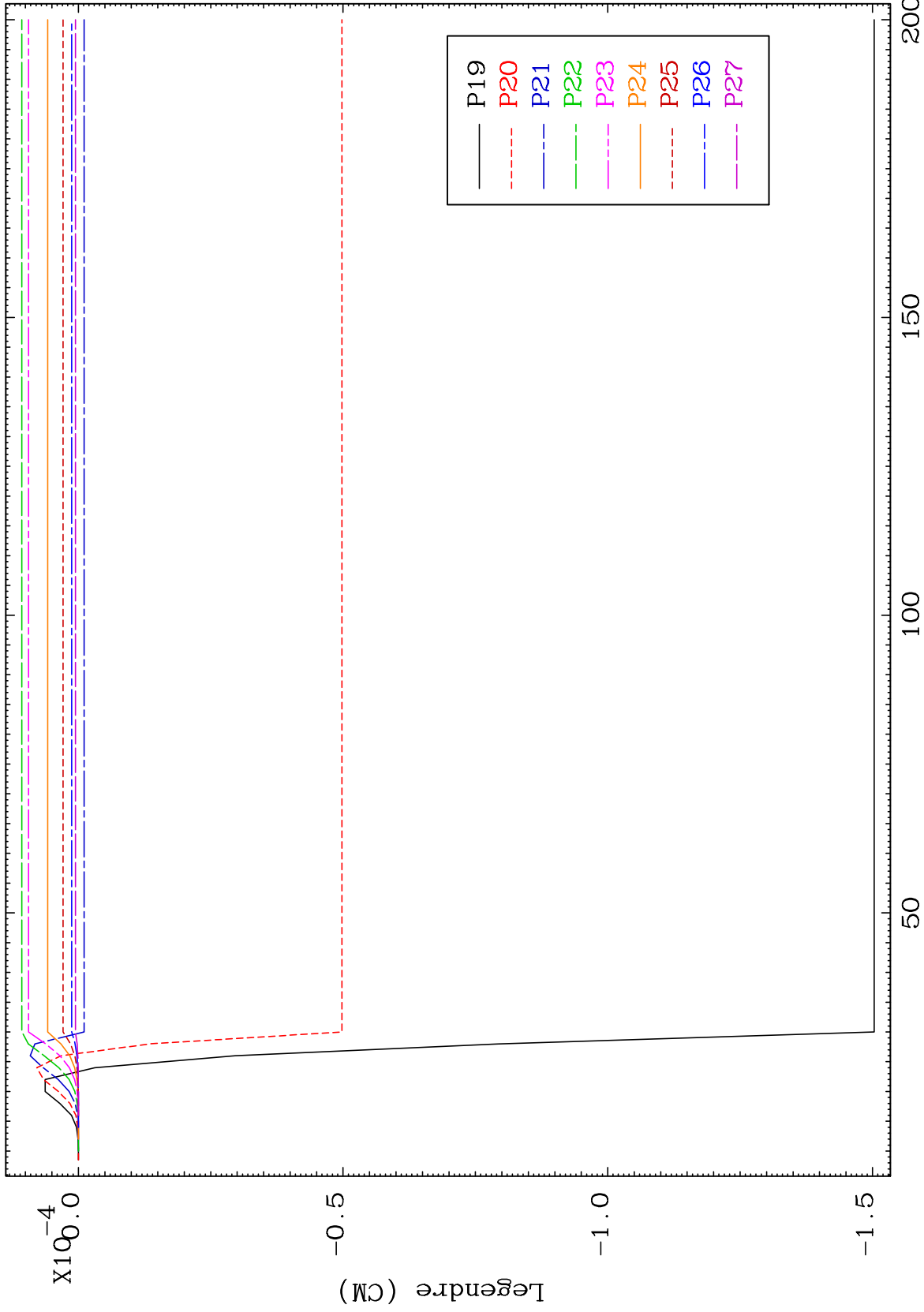
Incident Energy (MeV)

61

MAT 5401

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

54-Xe-116



62

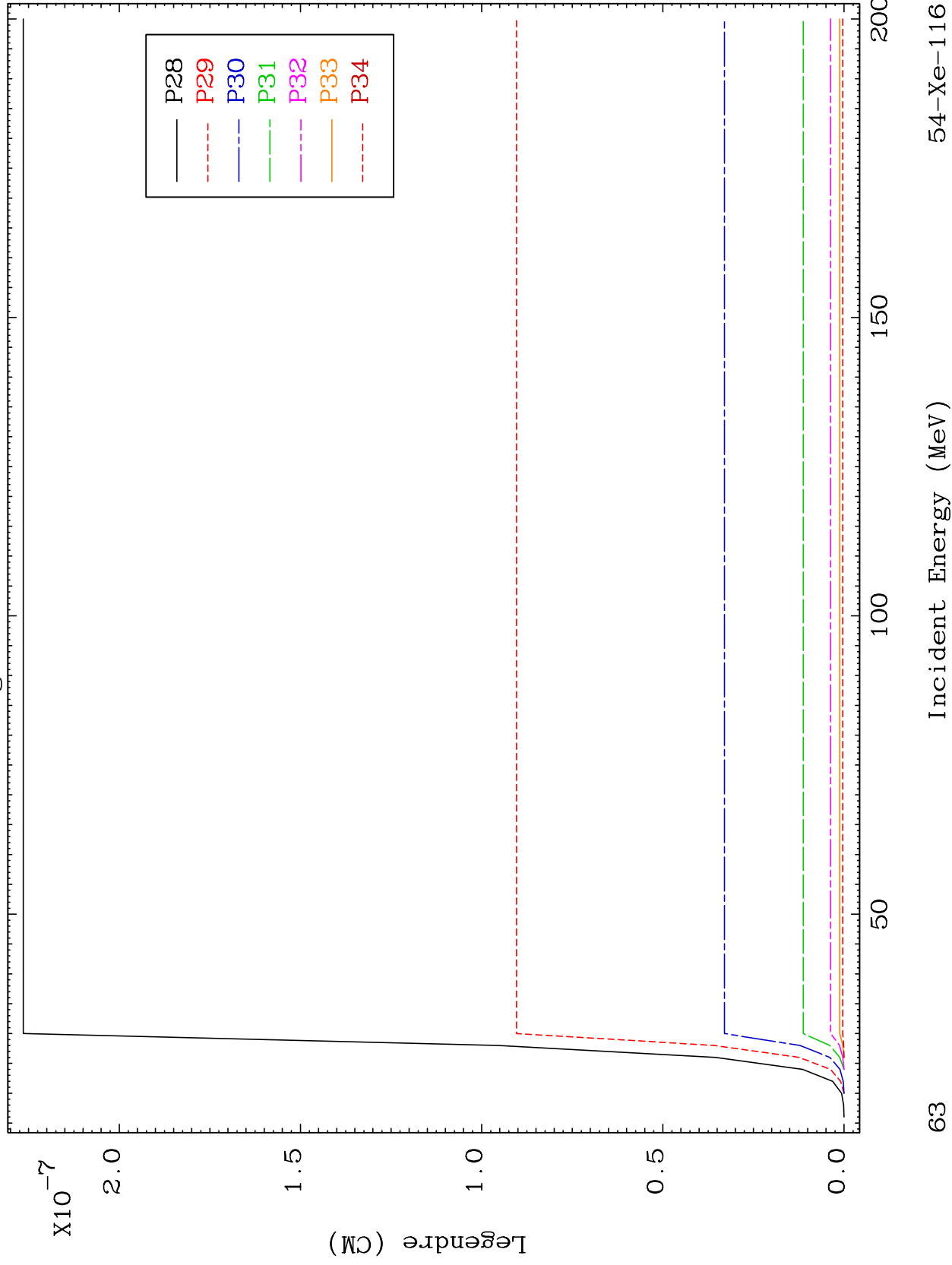
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

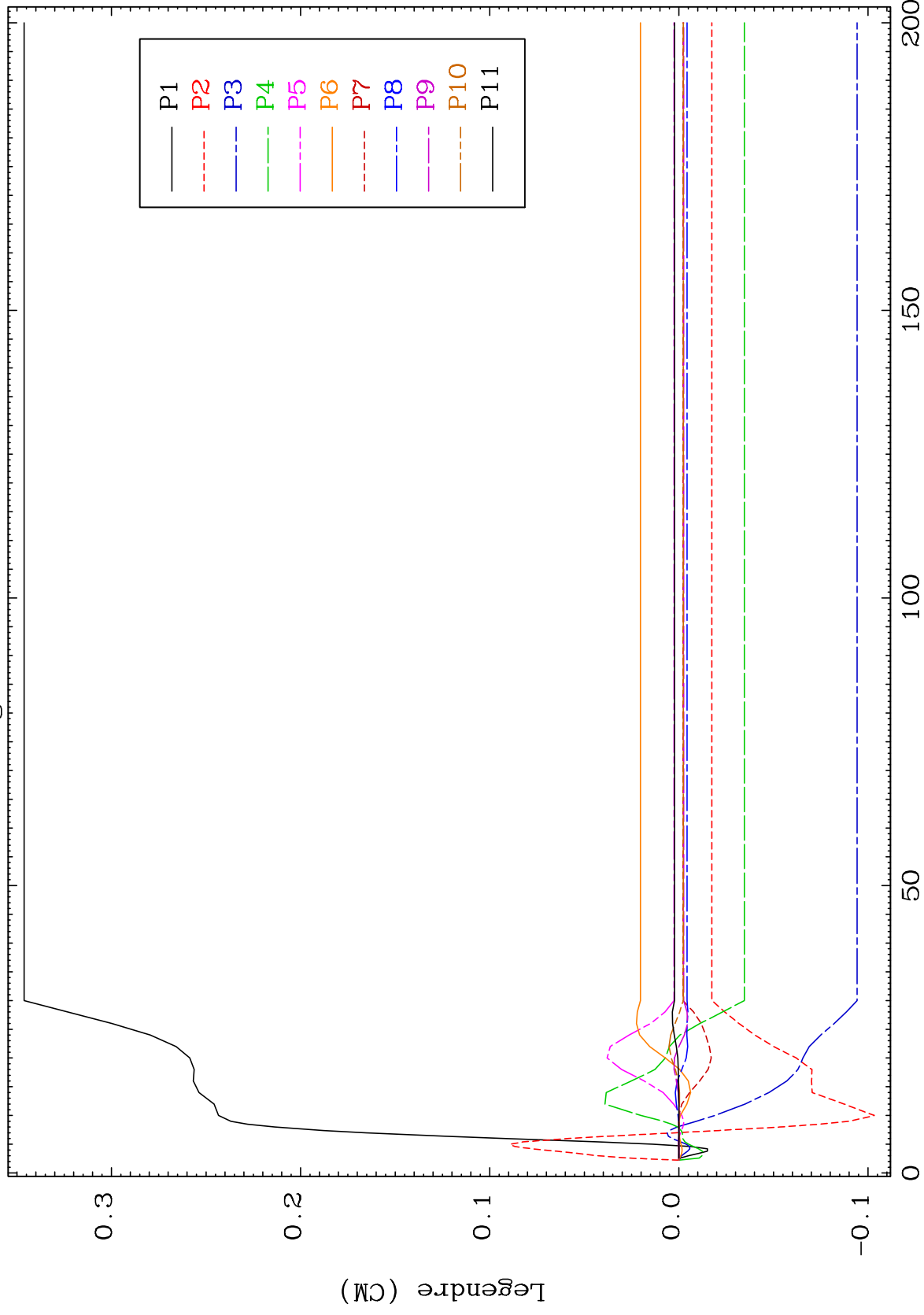
54-Xe-116



MAT 5401

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

54-Xe-116



64

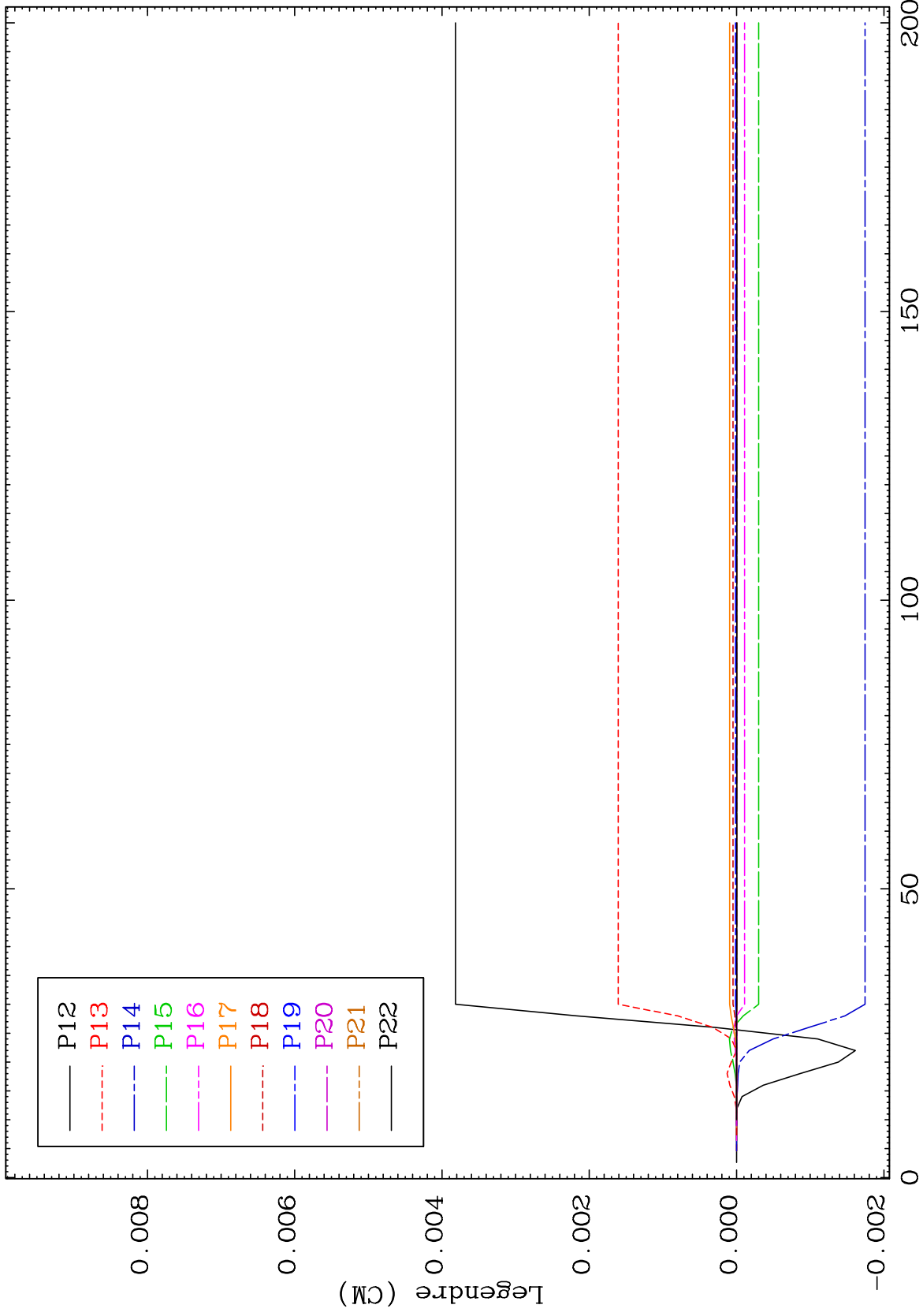
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



65

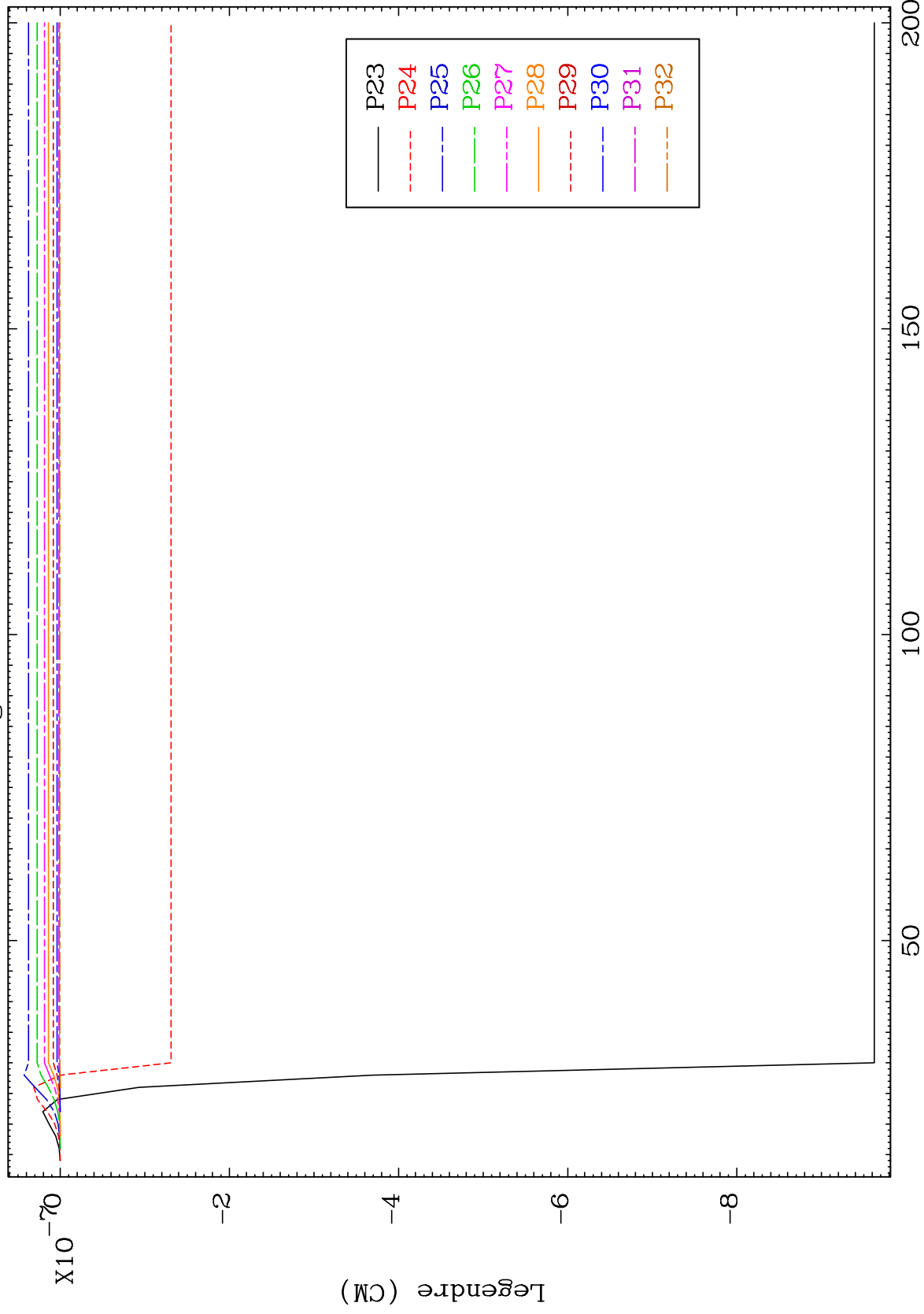
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



66

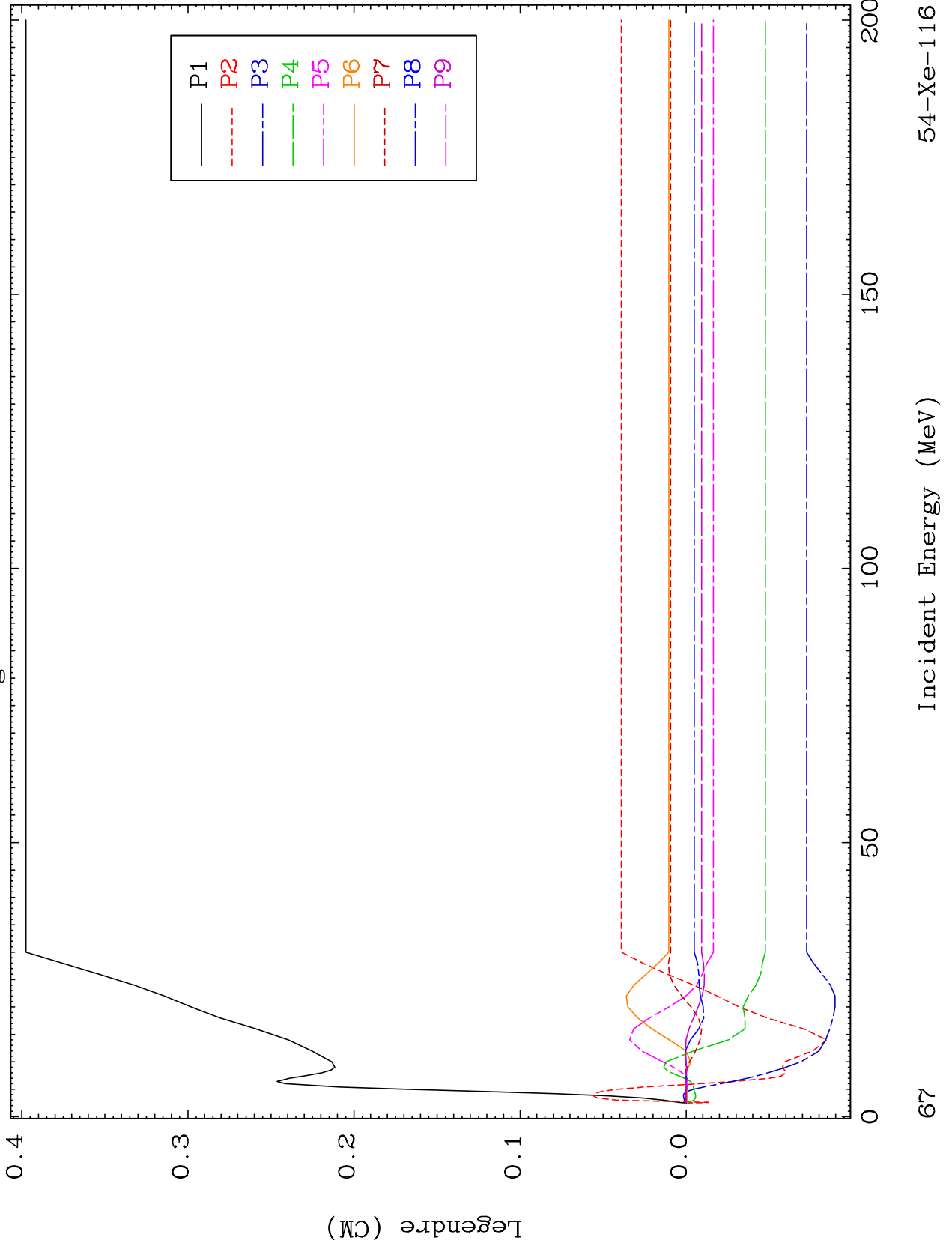
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

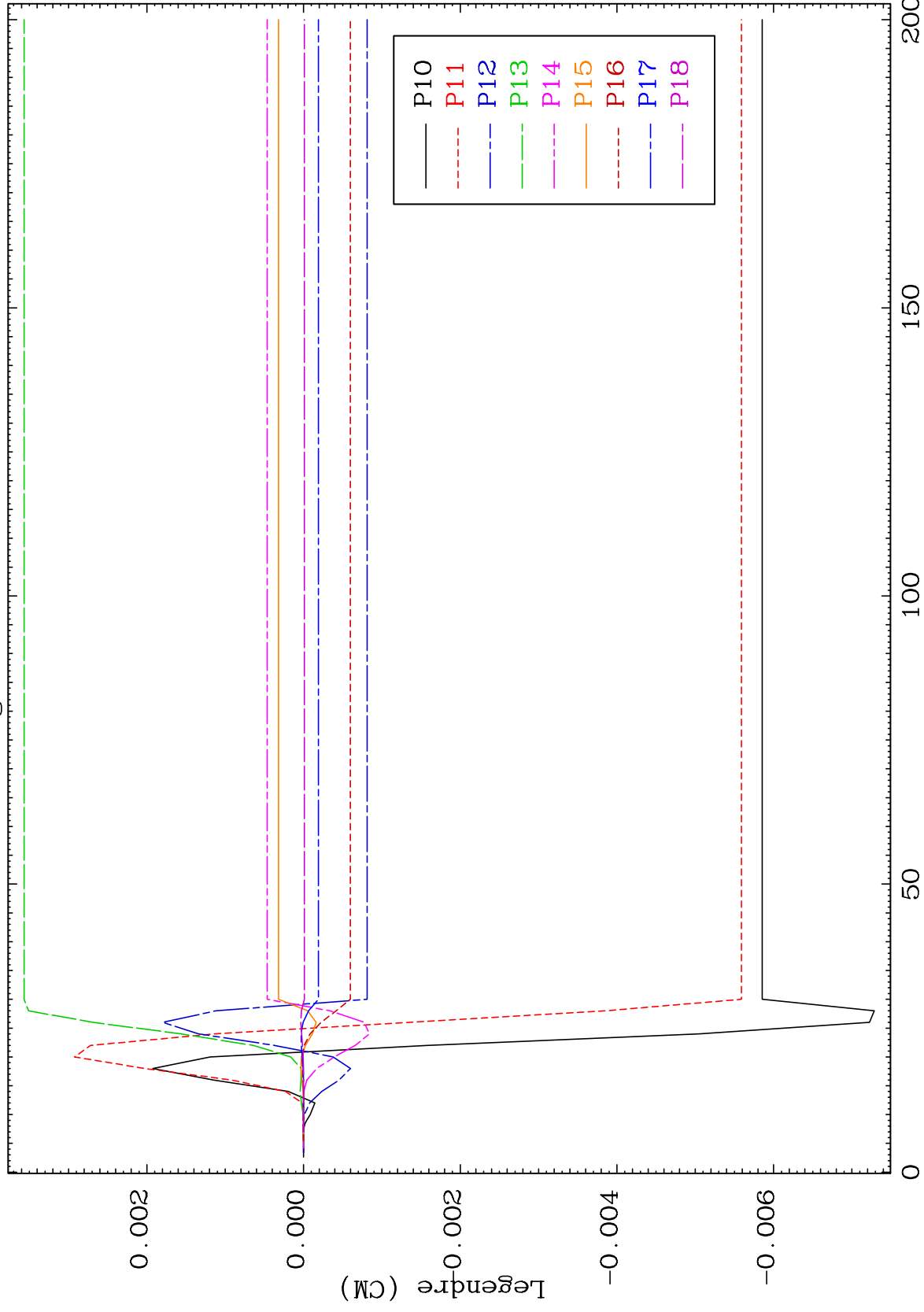
54-Xe-116



MAT 5401

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

54-Xe-116



68

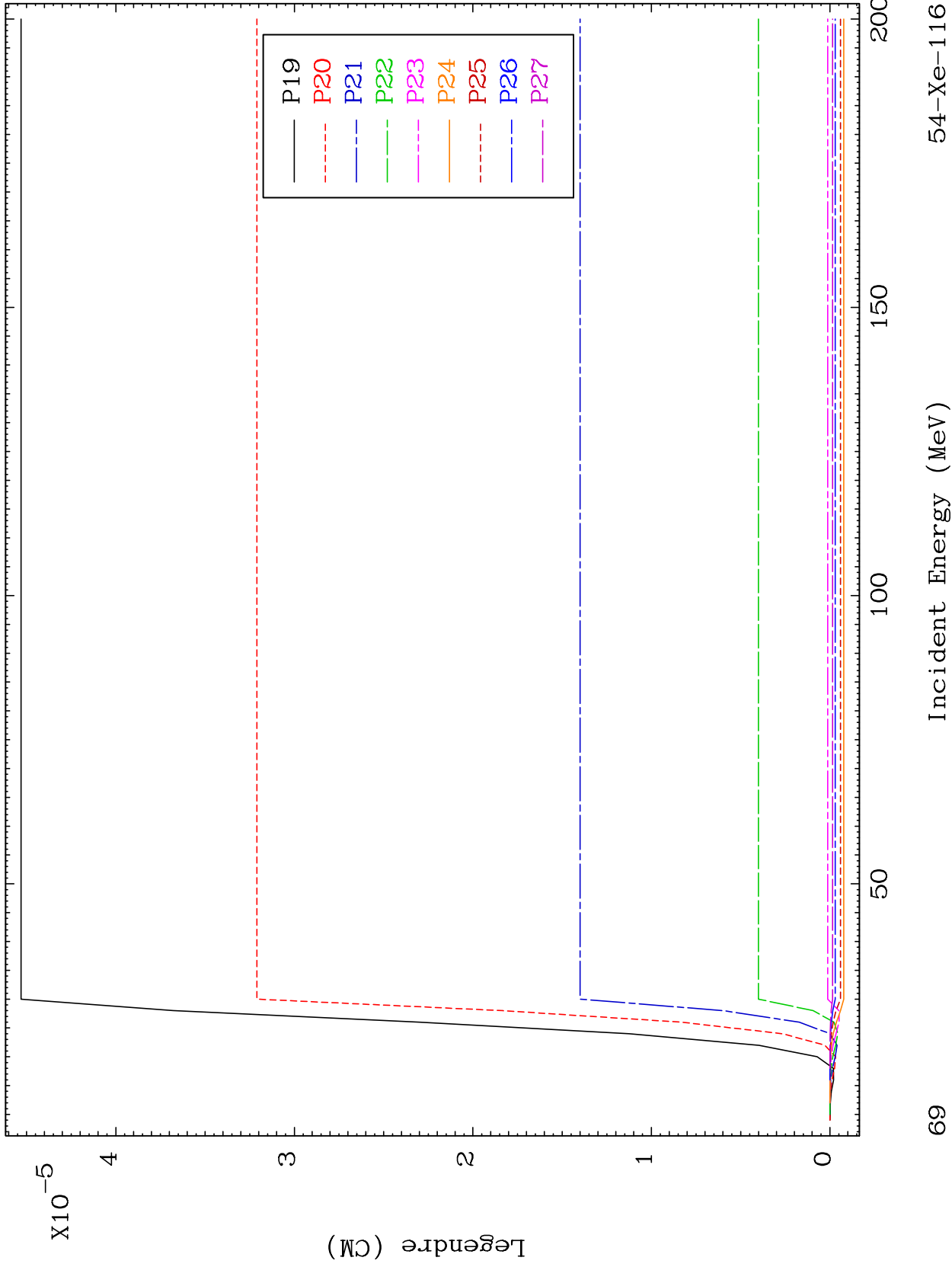
Incident Energy (MeV)

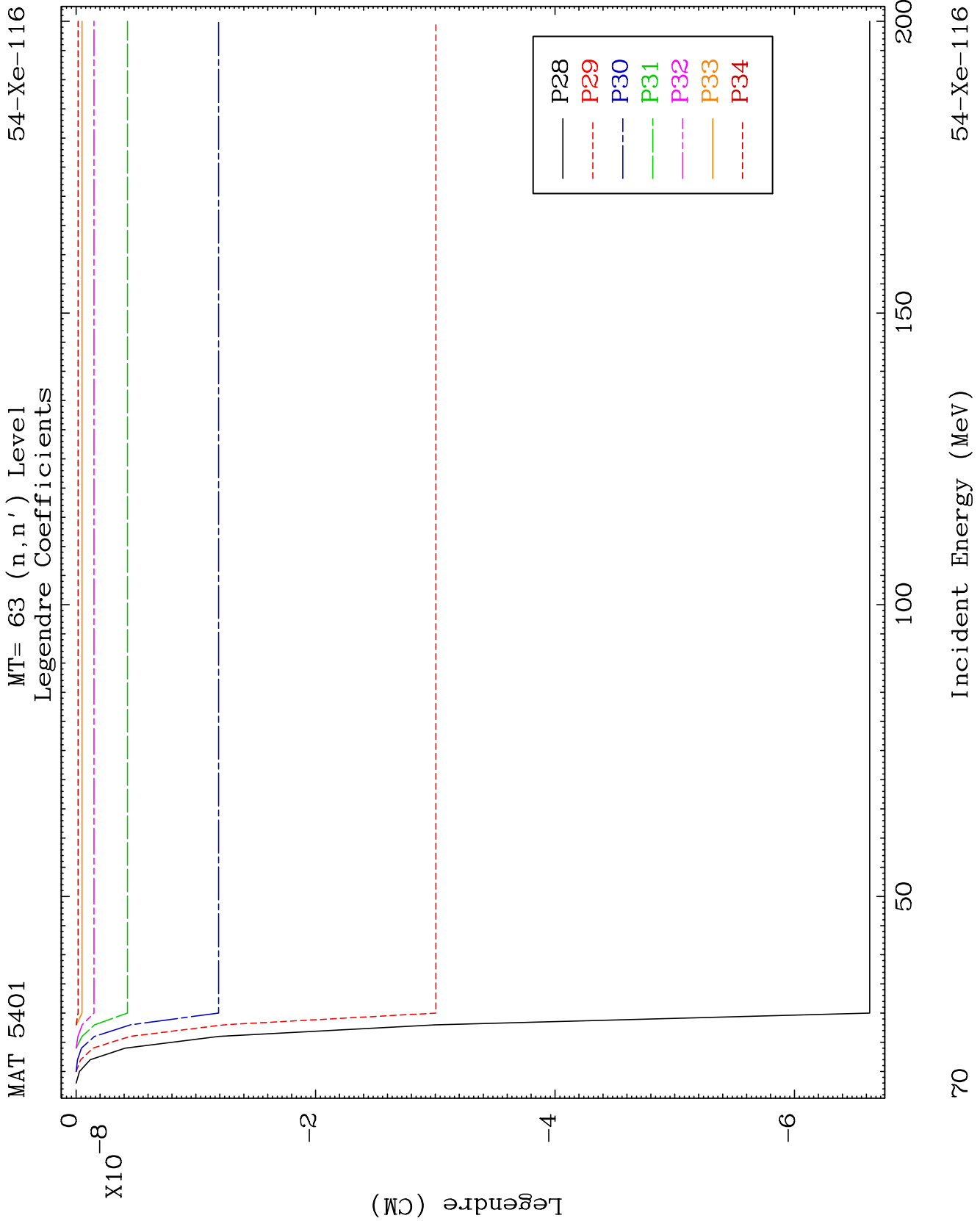
54-Xe-116

MAT 5401

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

54-Xe-116

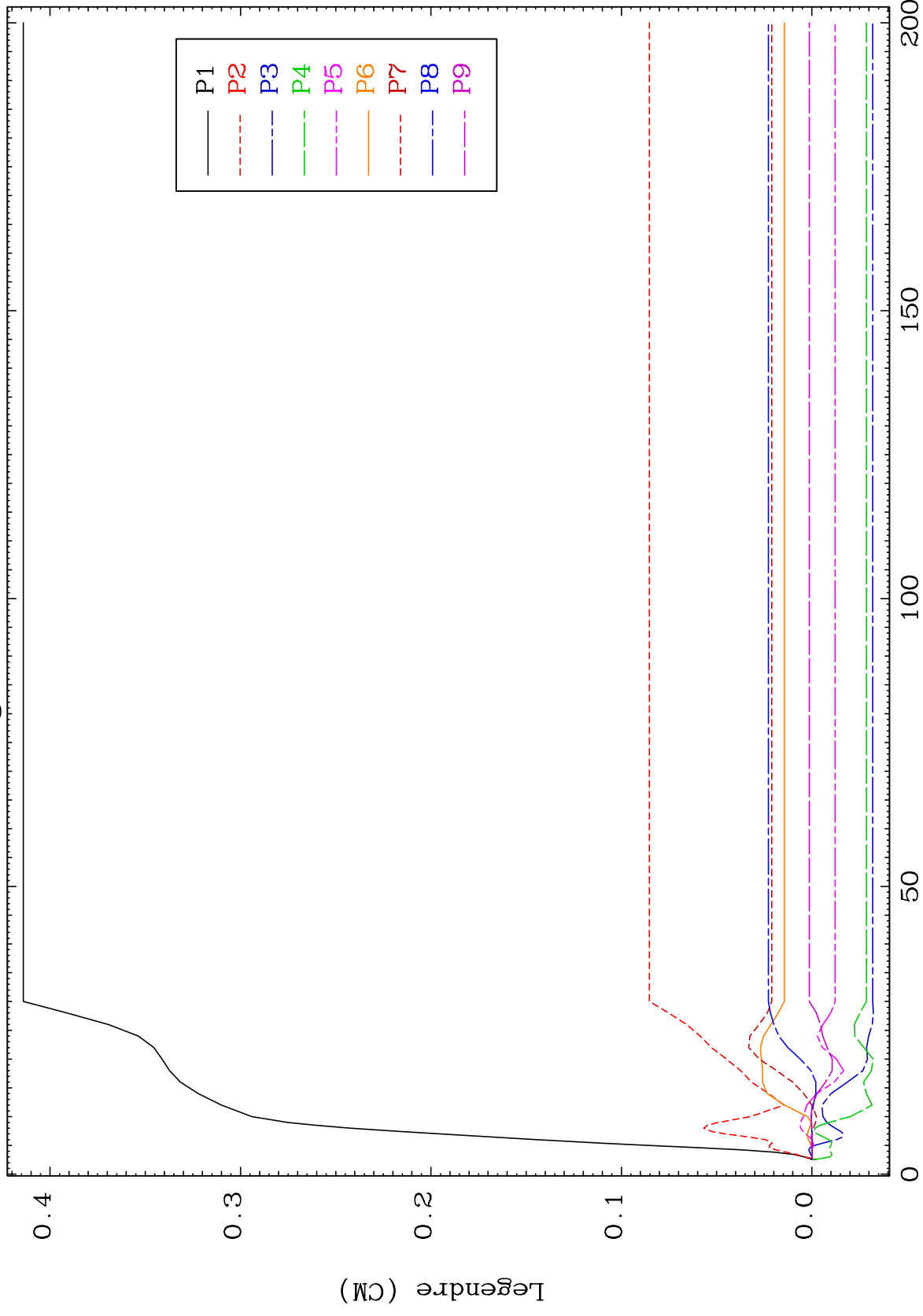




MAT 5401

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

54-Xe-116



71

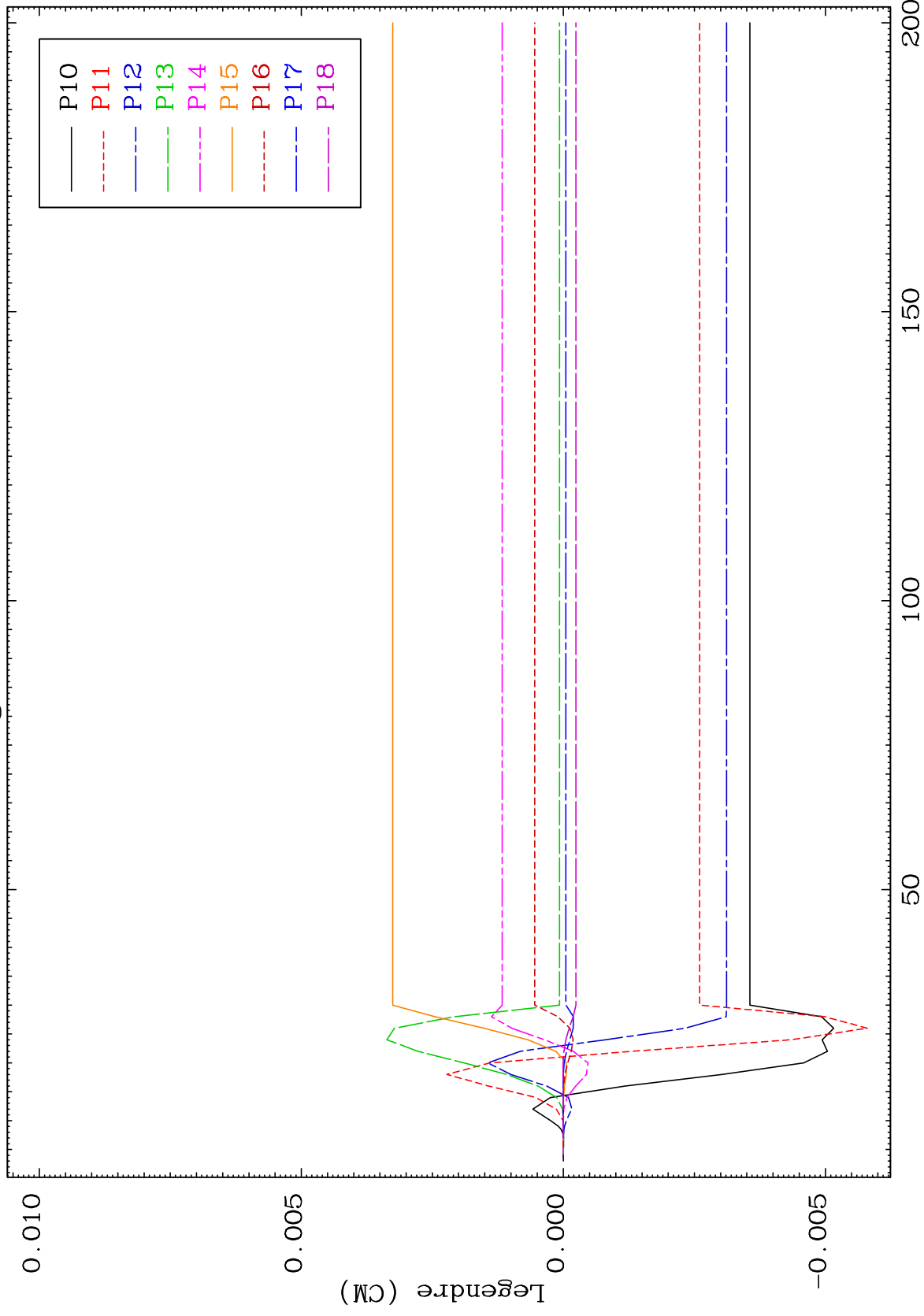
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

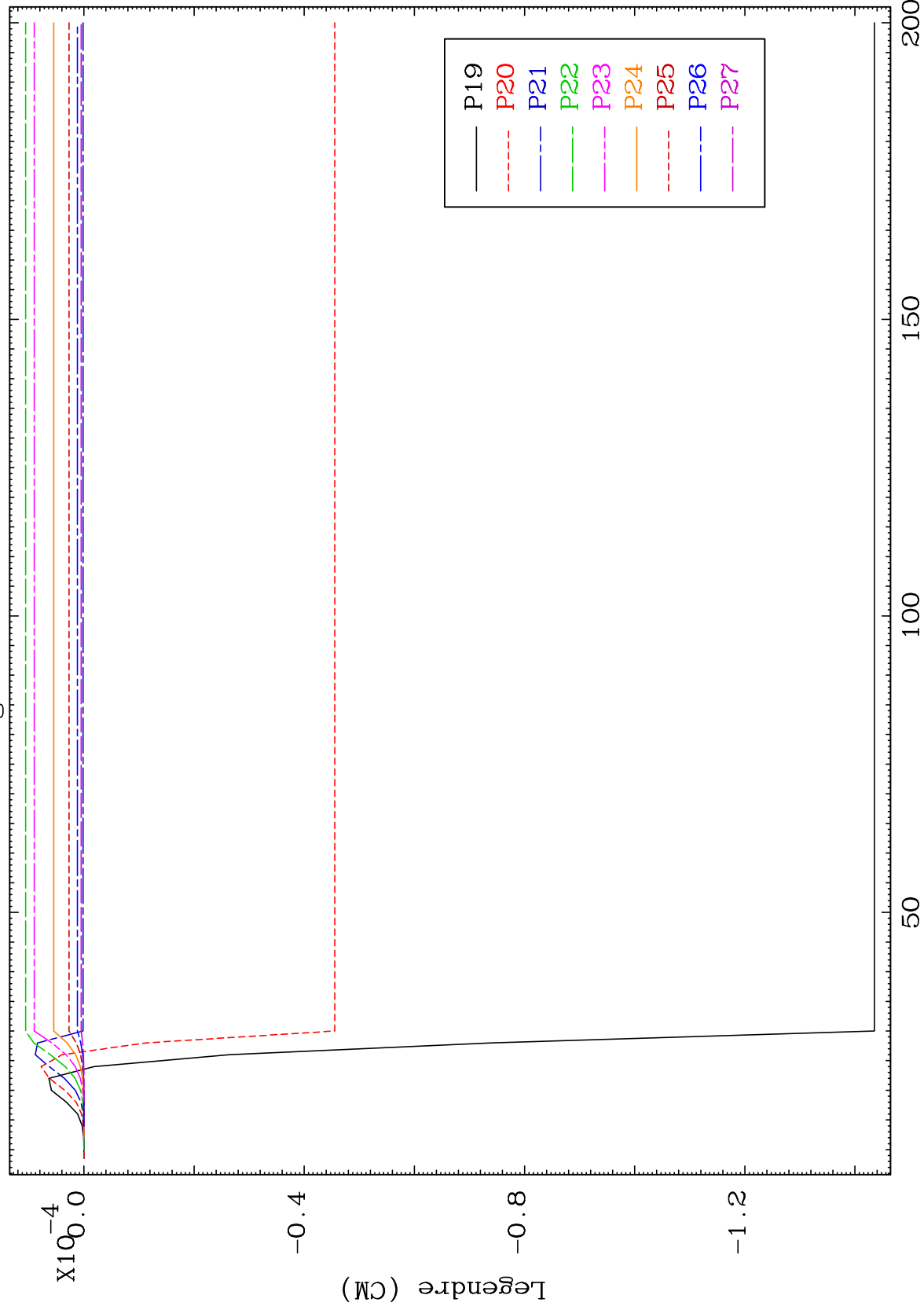
54-Xe-116



72

Incident Energy (MeV)

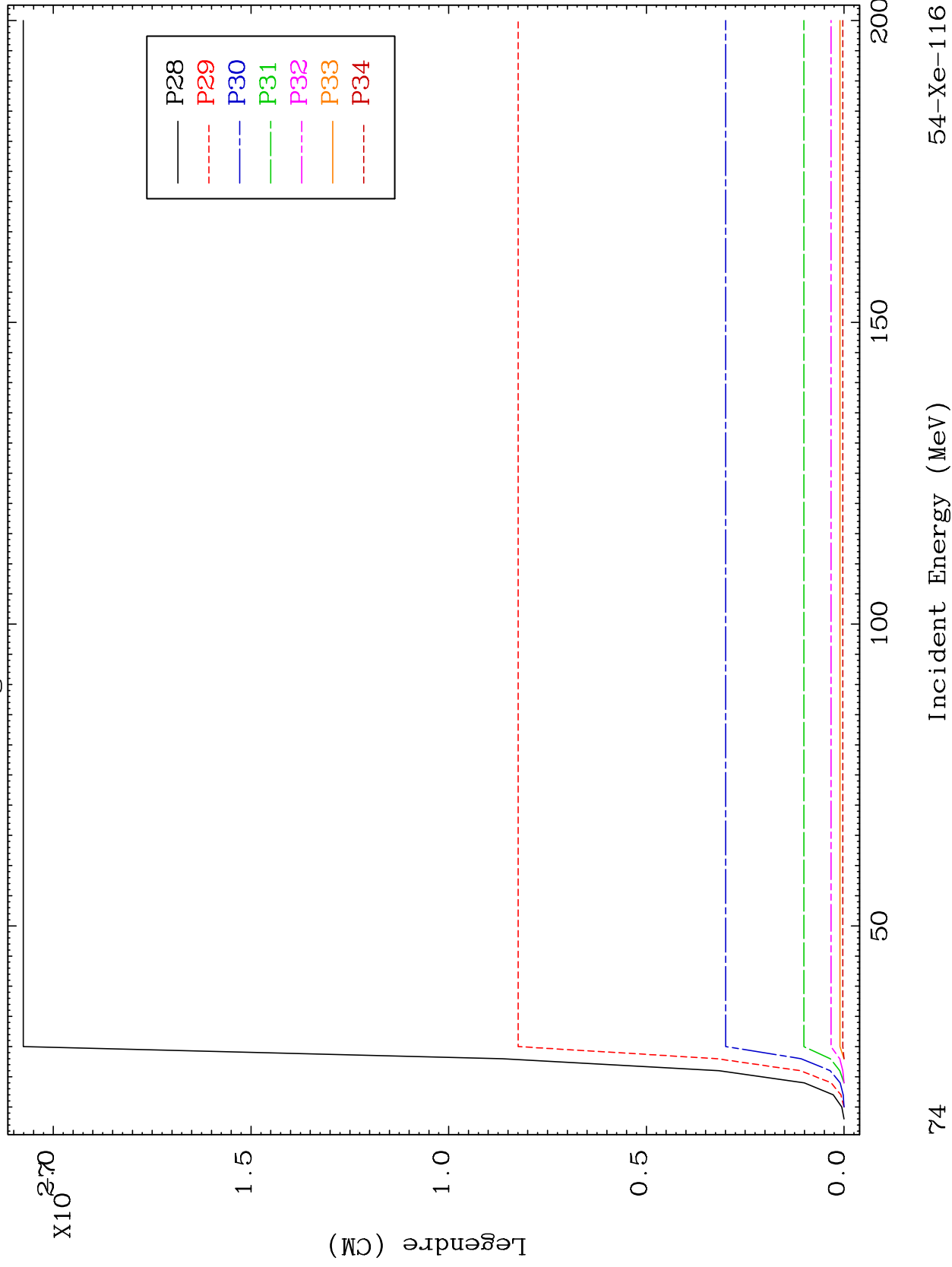
54-Xe-116



MAT 5401

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

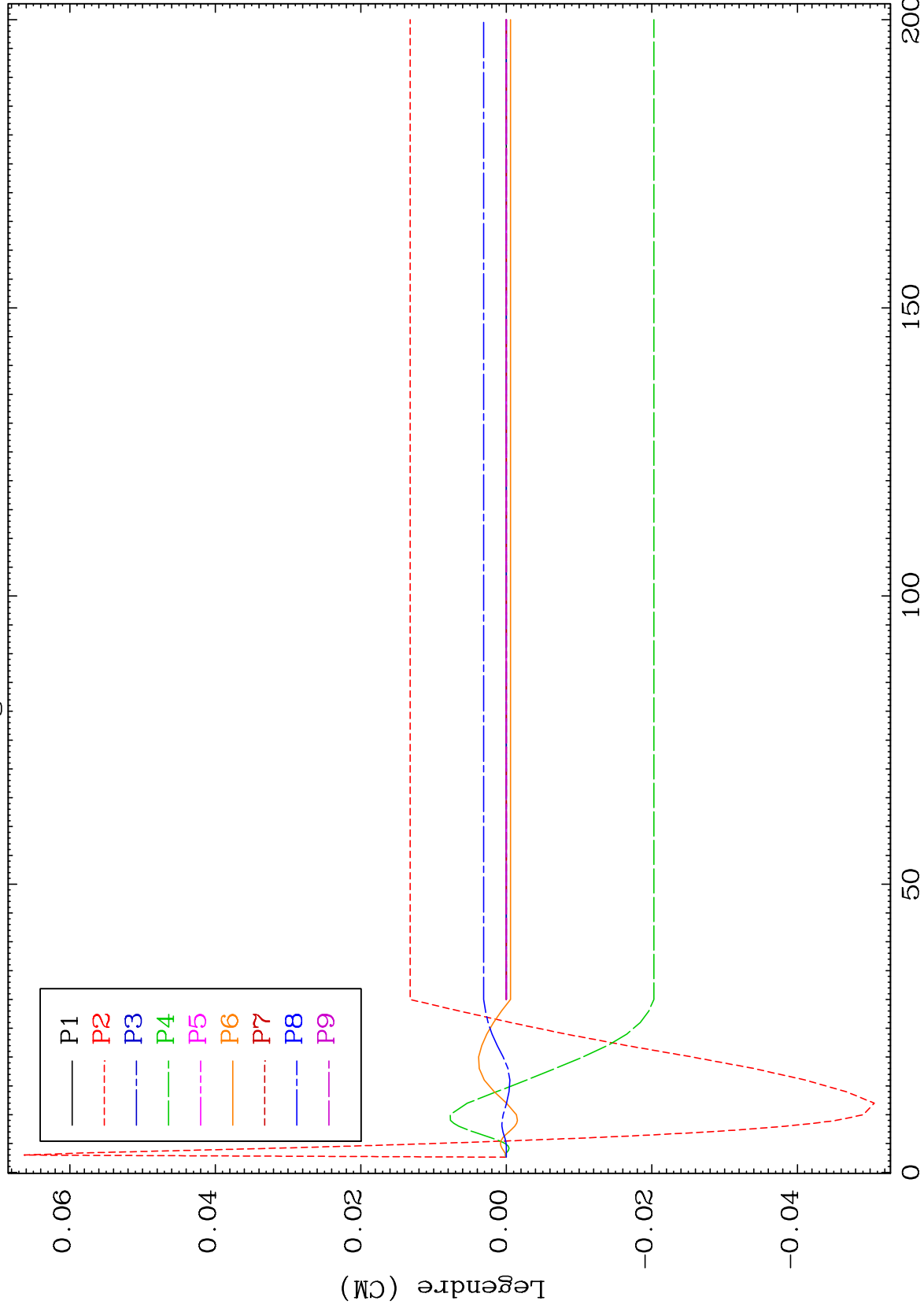
54-Xe-116



MAT 5401

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

54-Xe-116



75

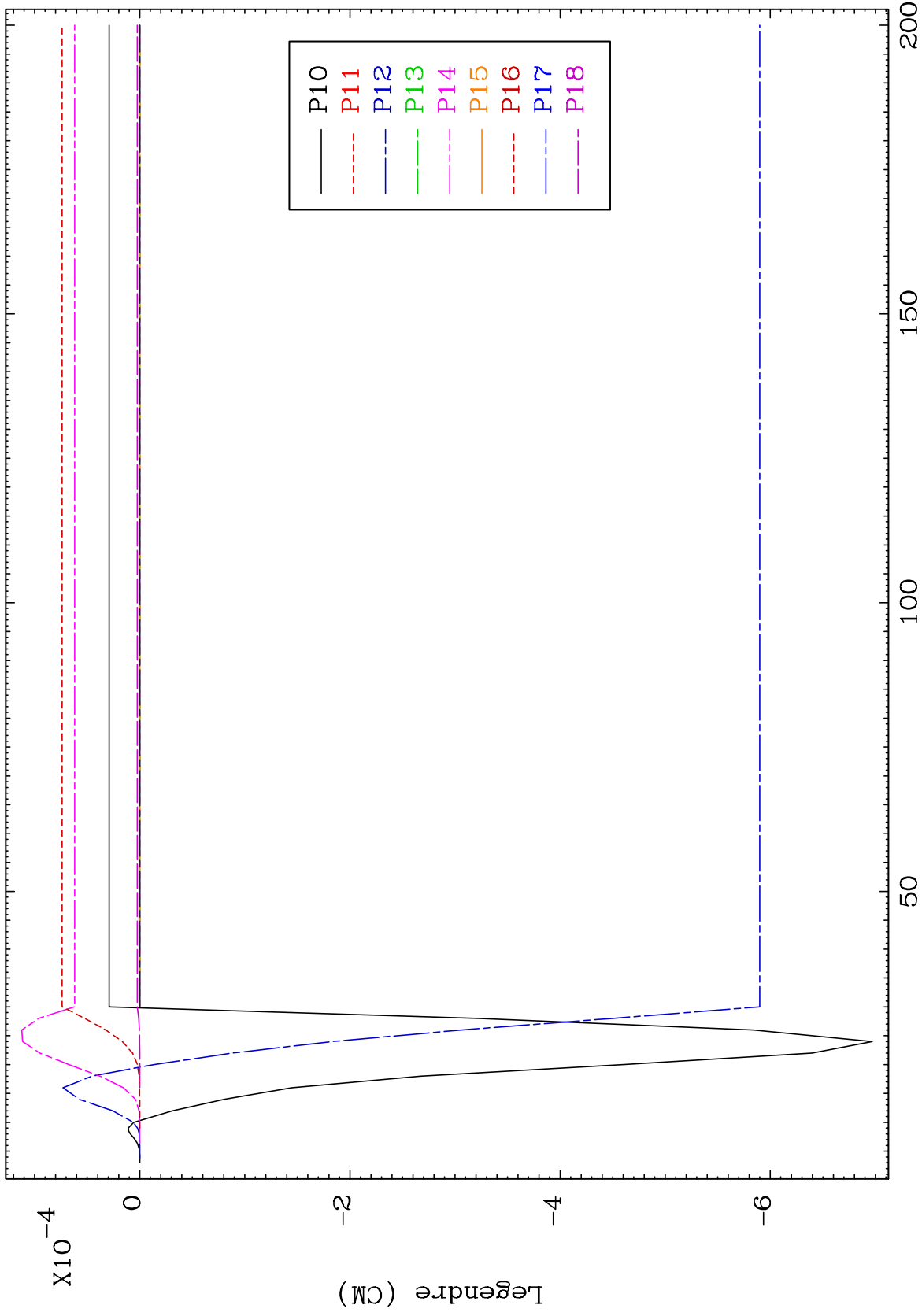
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



76

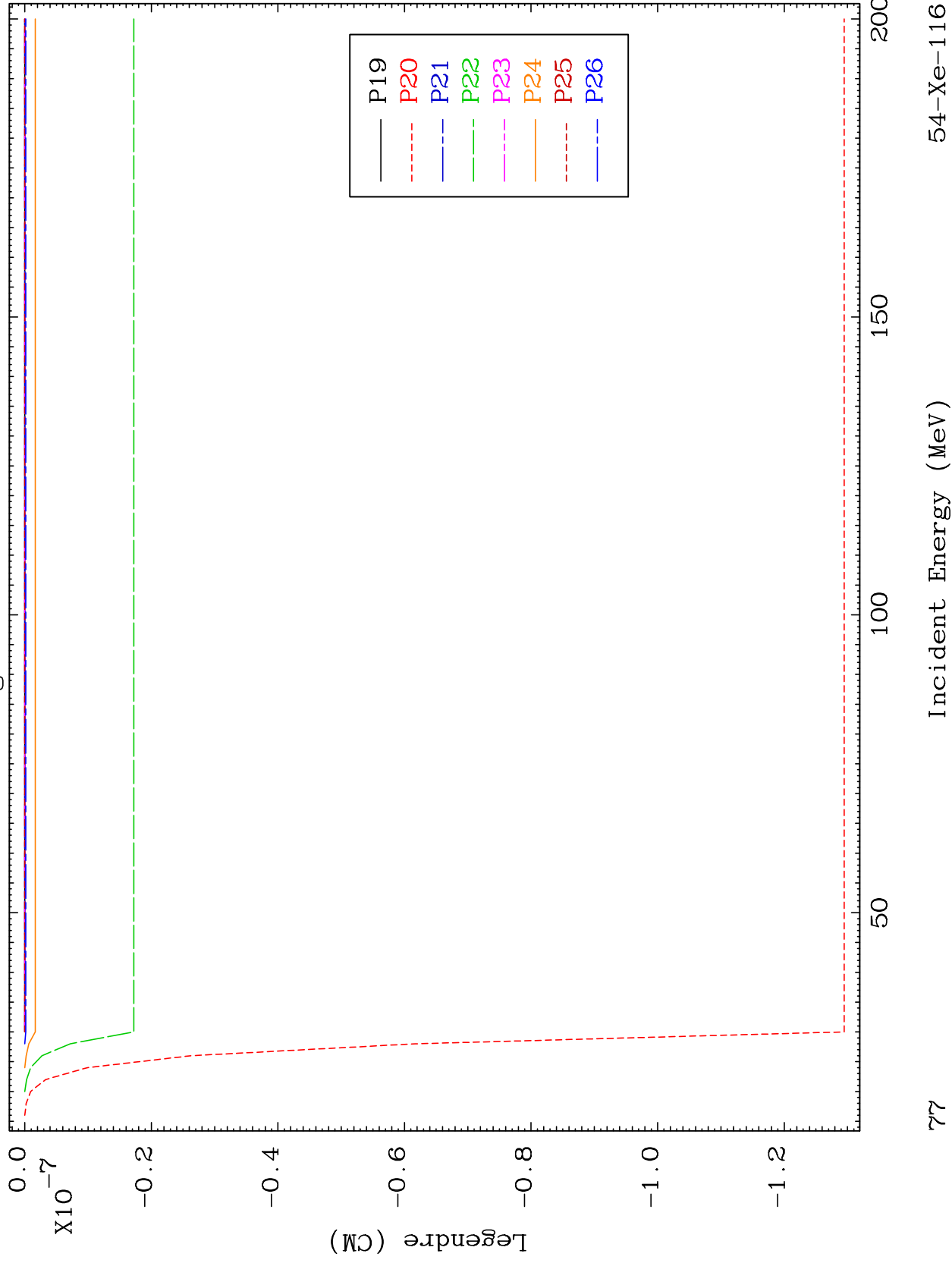
Incident Energy (MeV)

54-Xe-116

MAT 5401

54-Xe-116

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



77

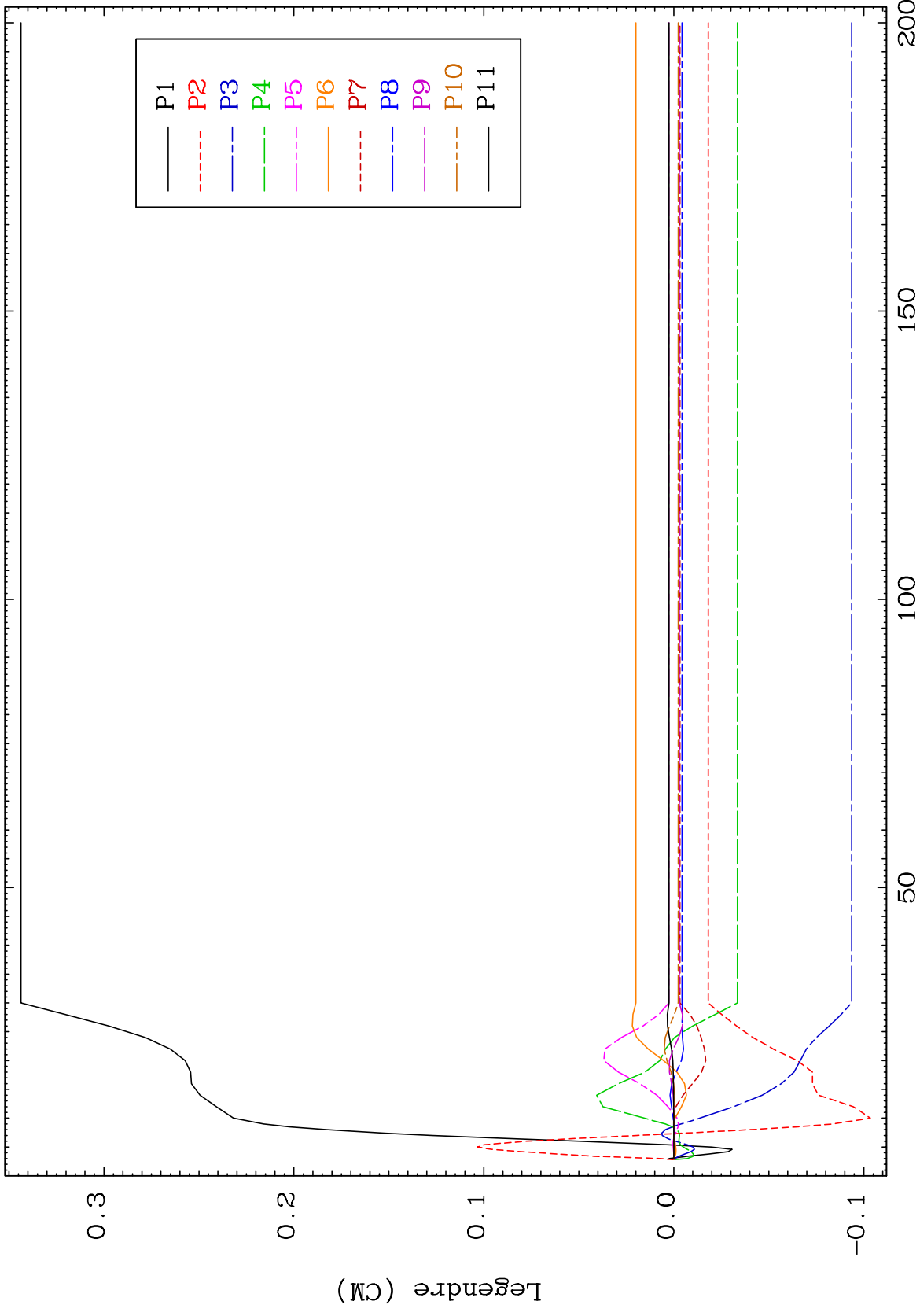
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



78

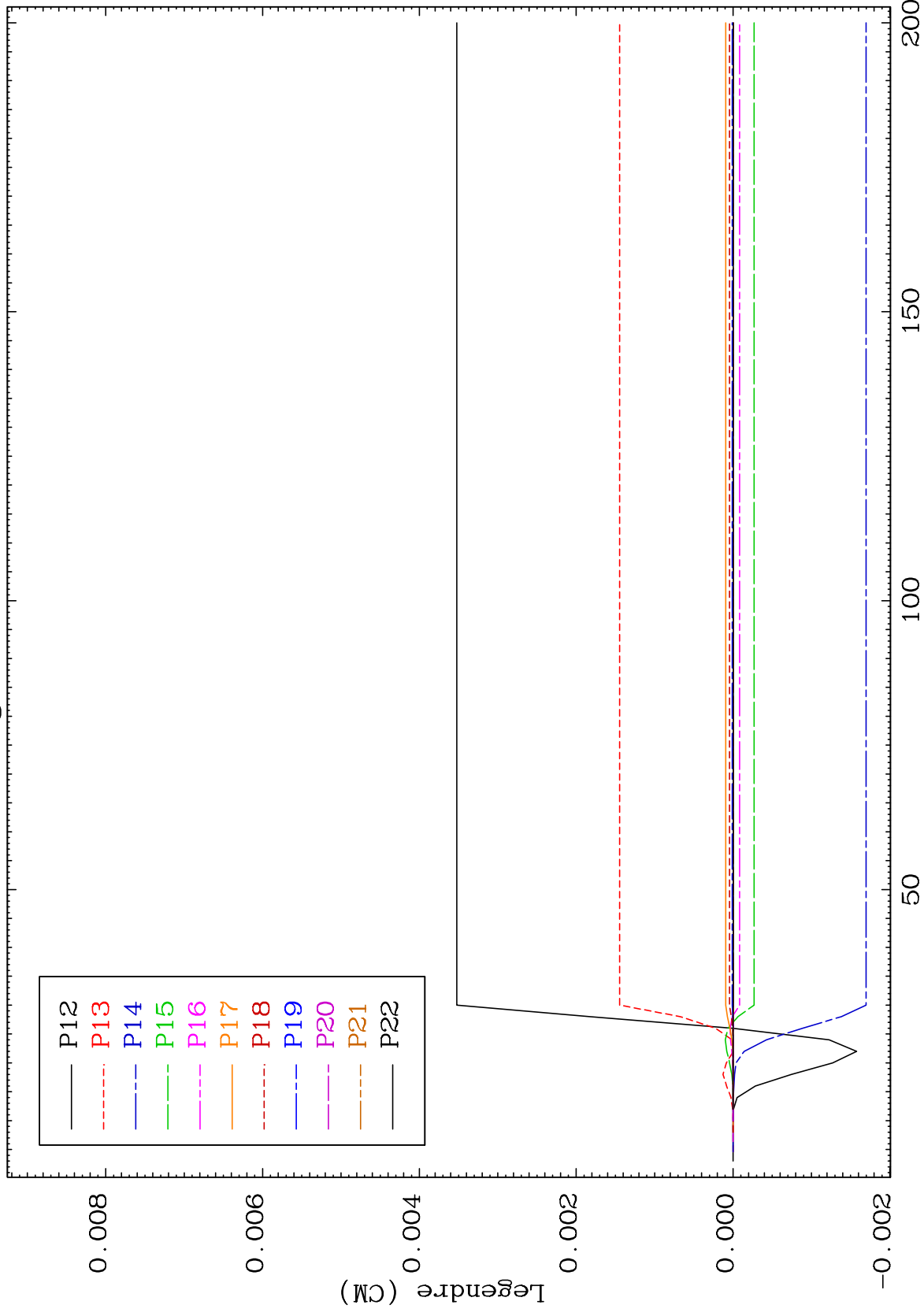
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

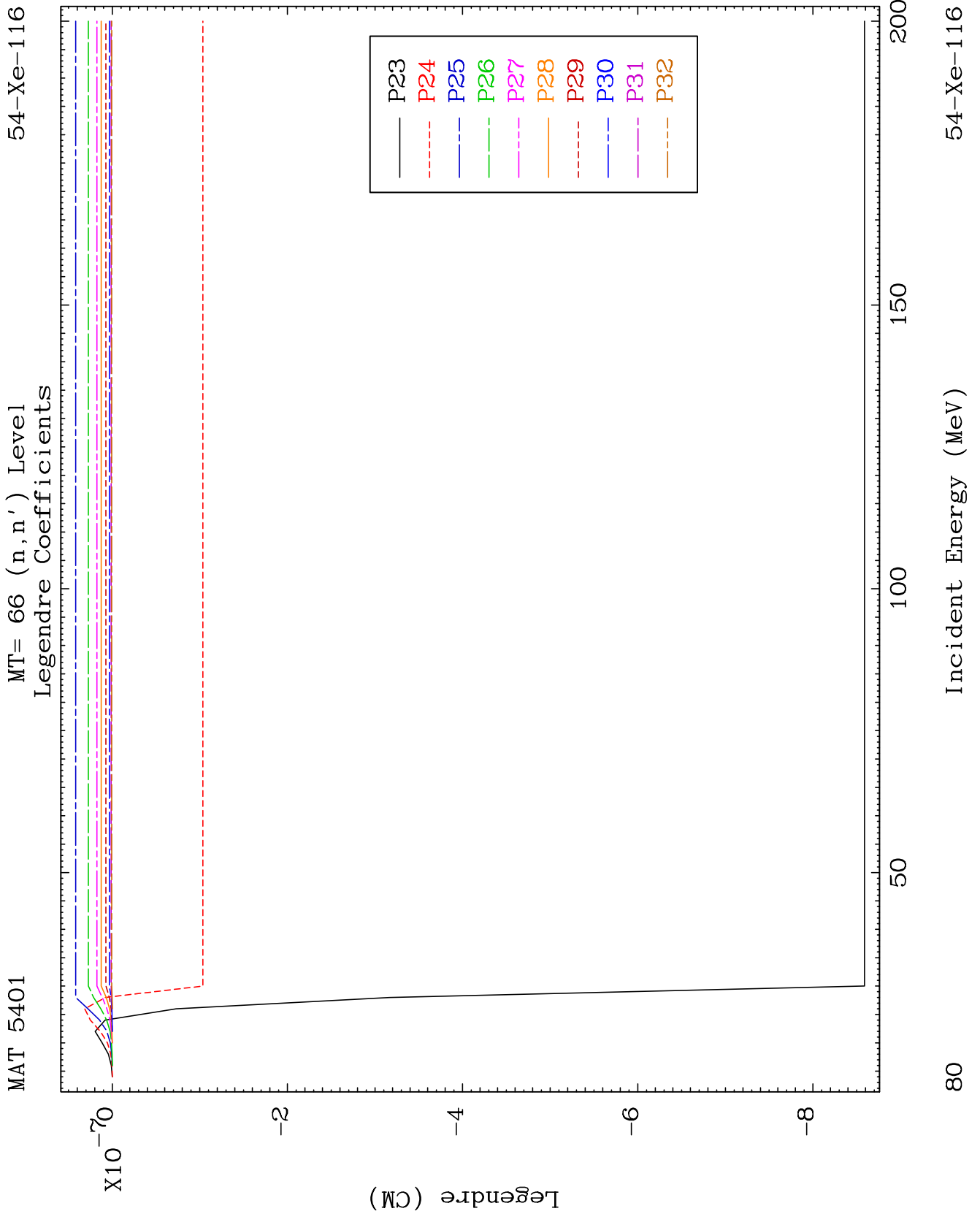
54-Xe-116



79

Incident Energy (MeV)

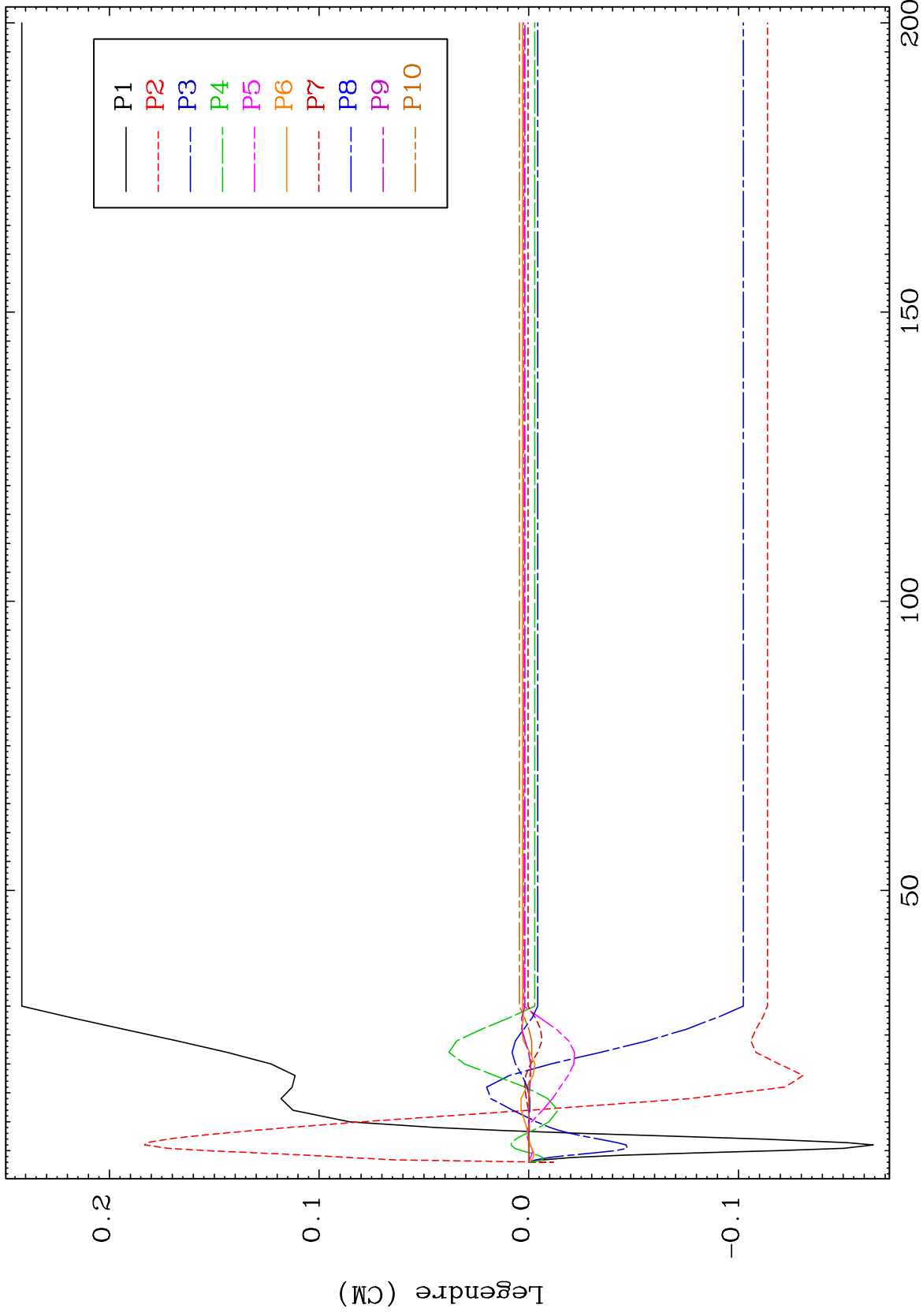
54-Xe-116



MAT 5401

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

54-Xe-116



81

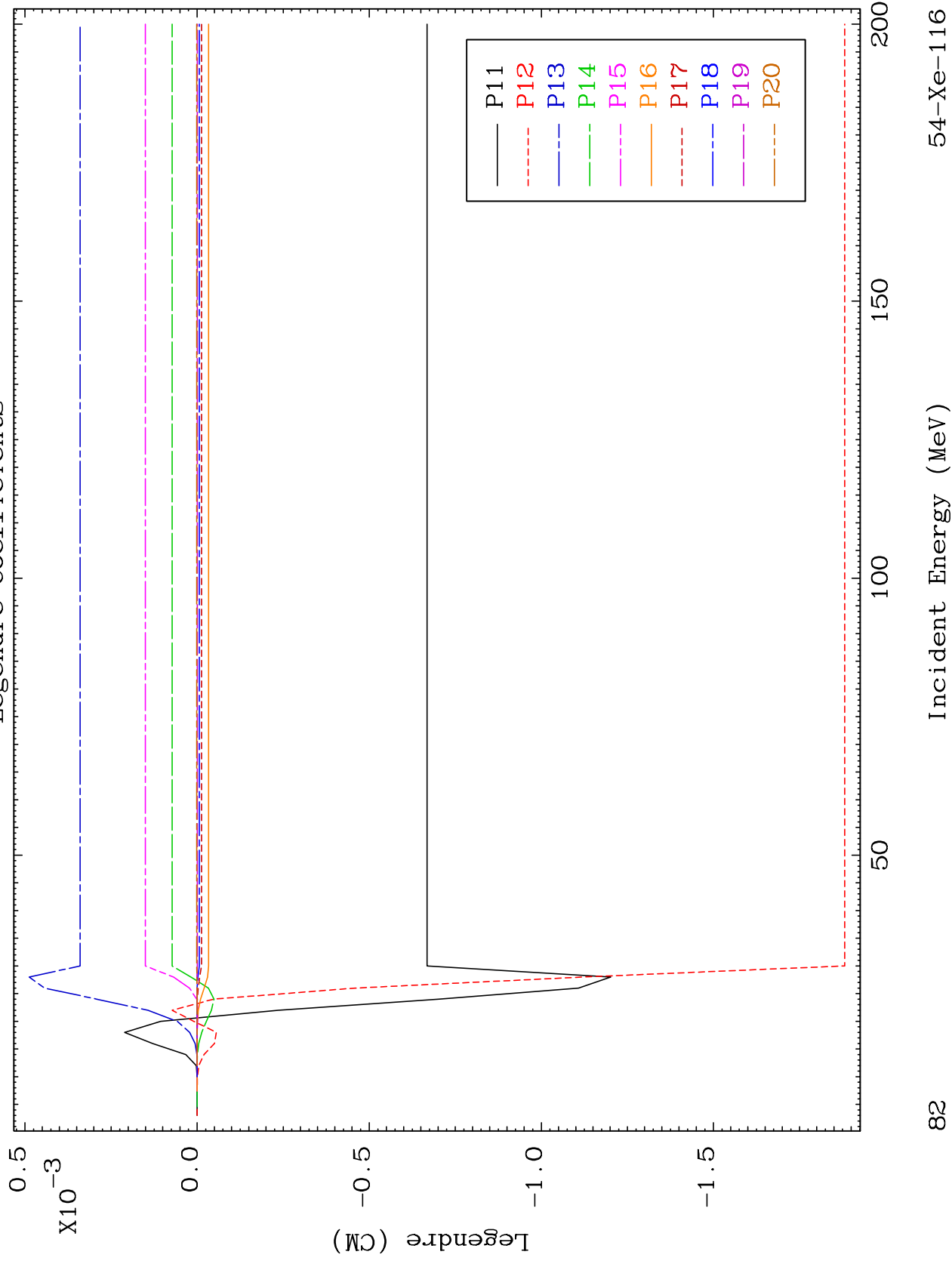
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



82

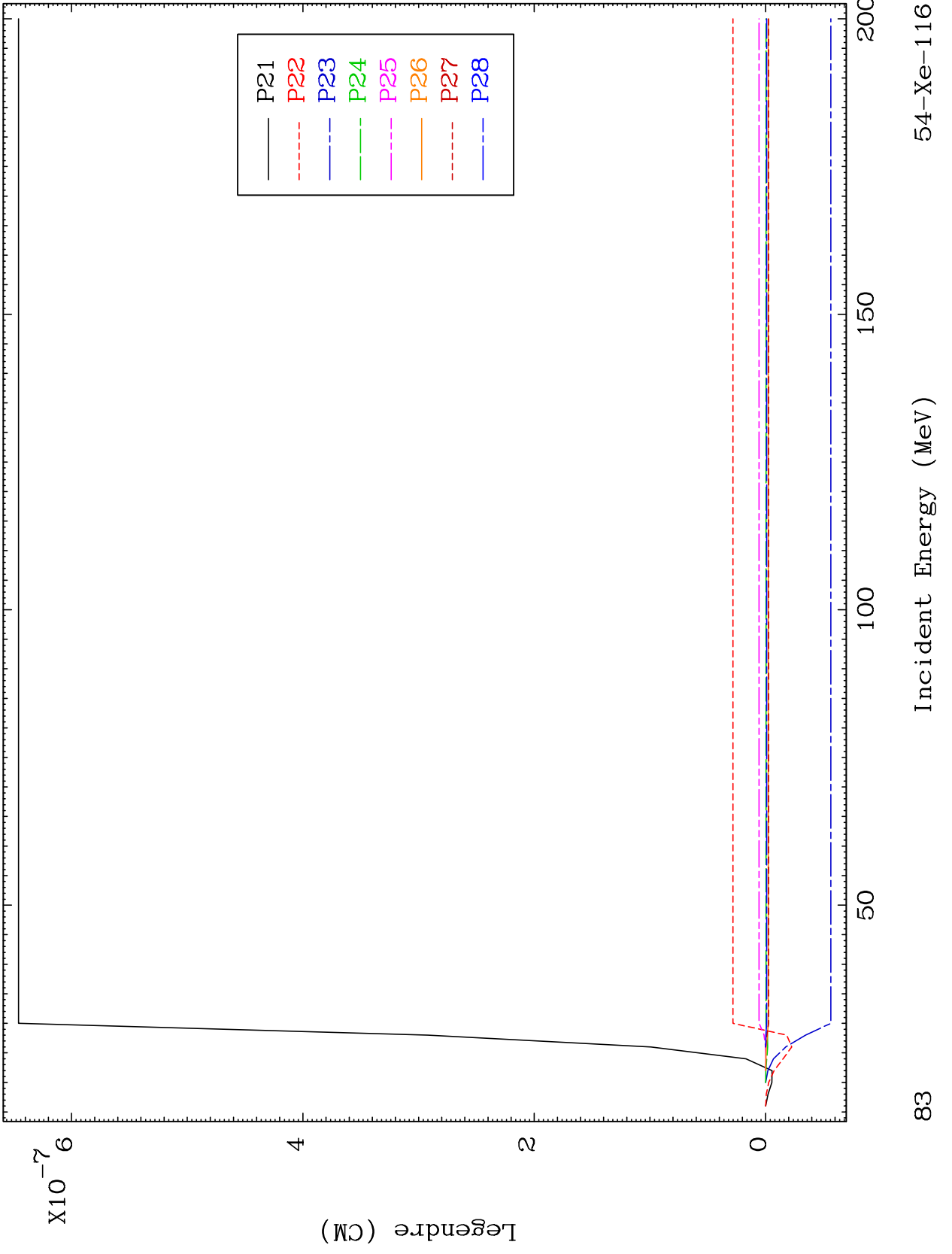
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



83

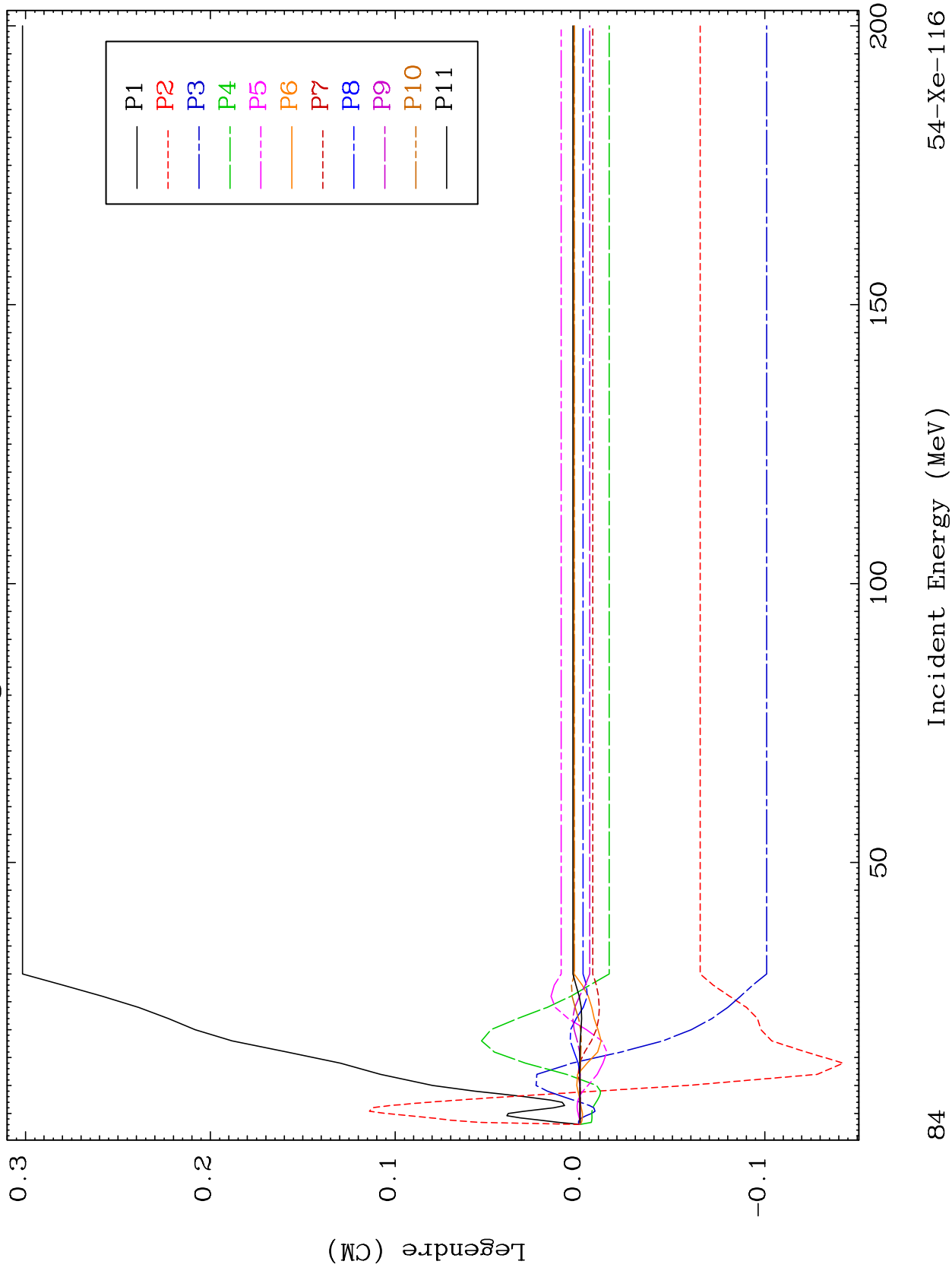
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



84

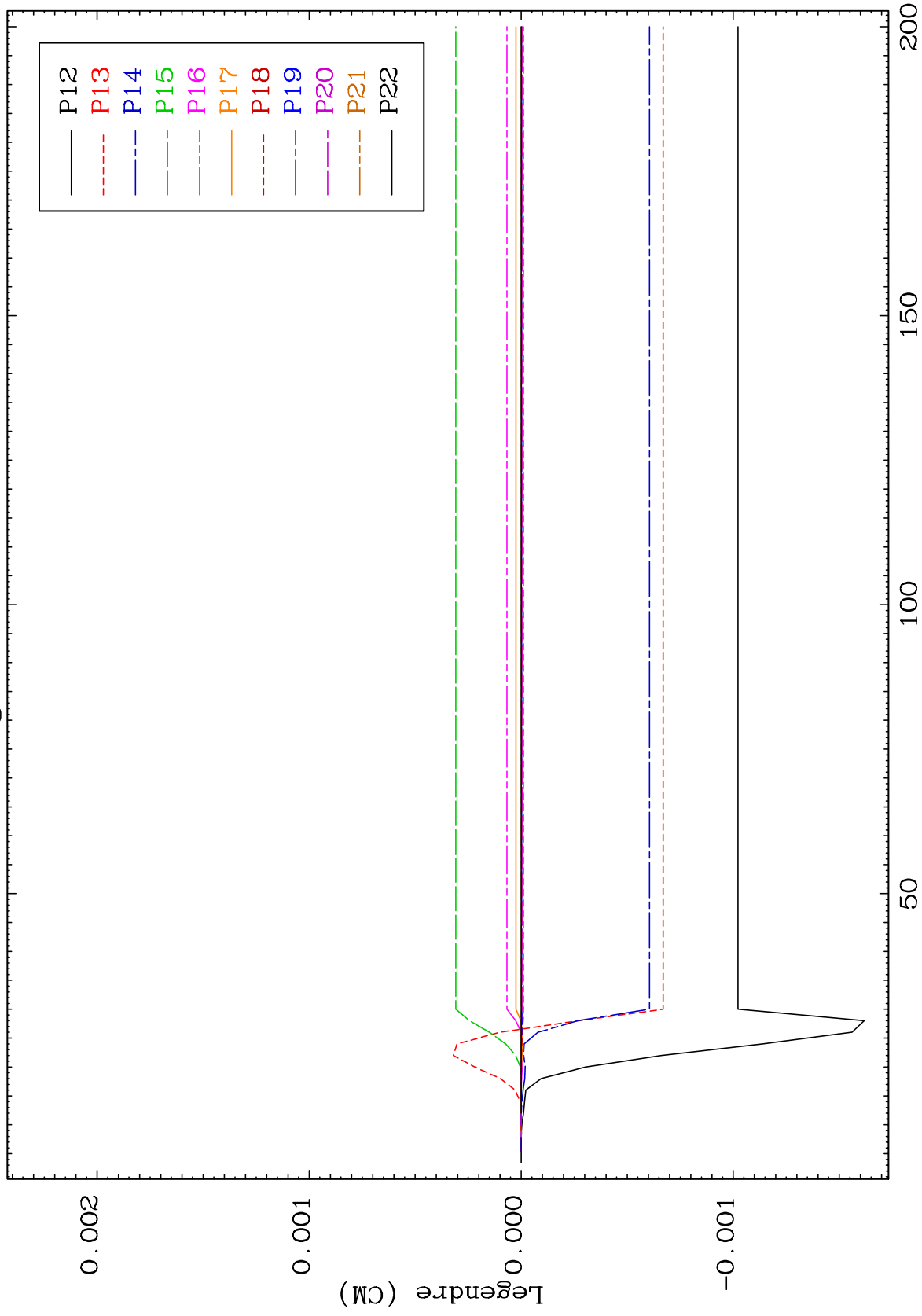
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



85

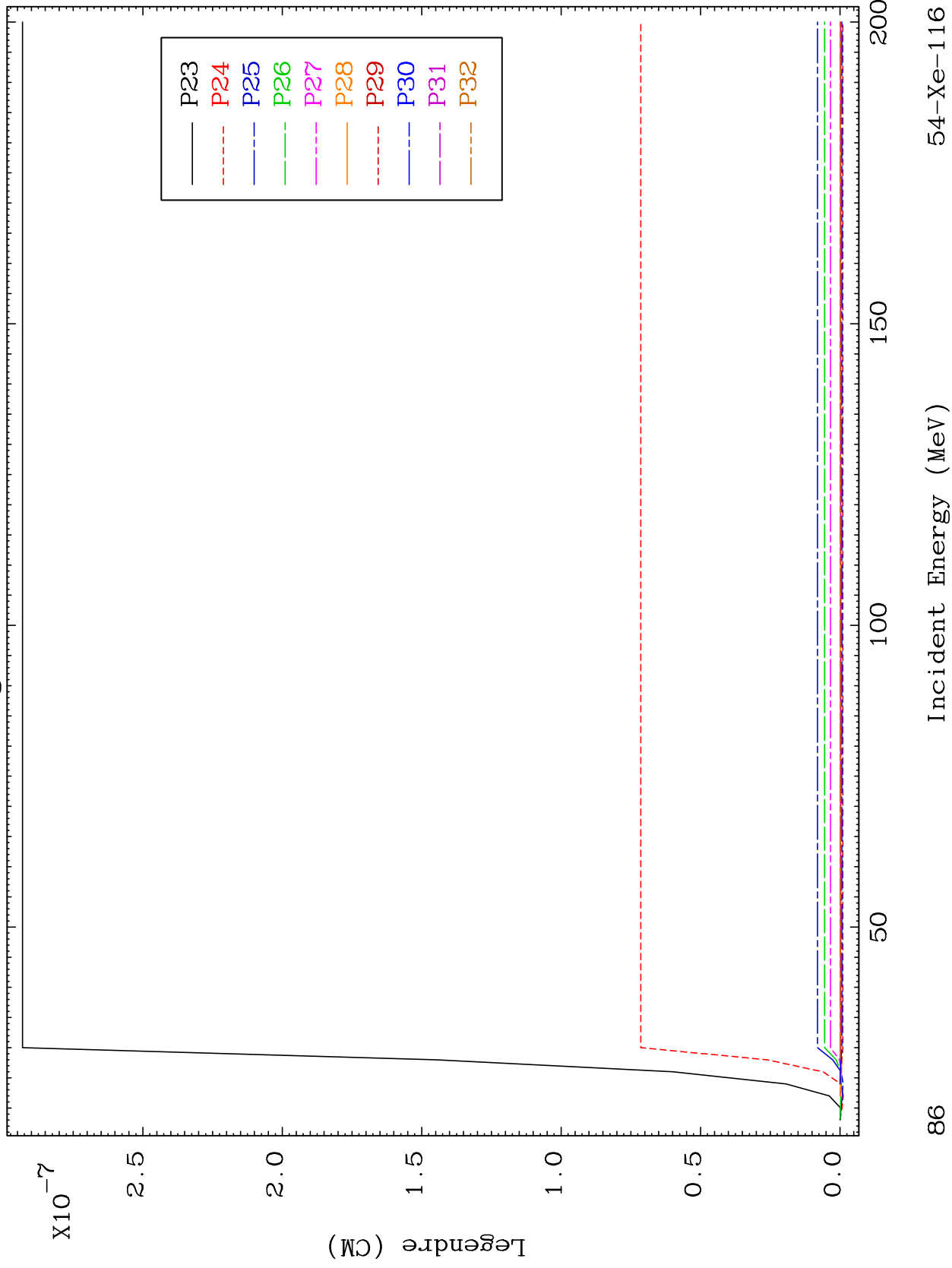
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

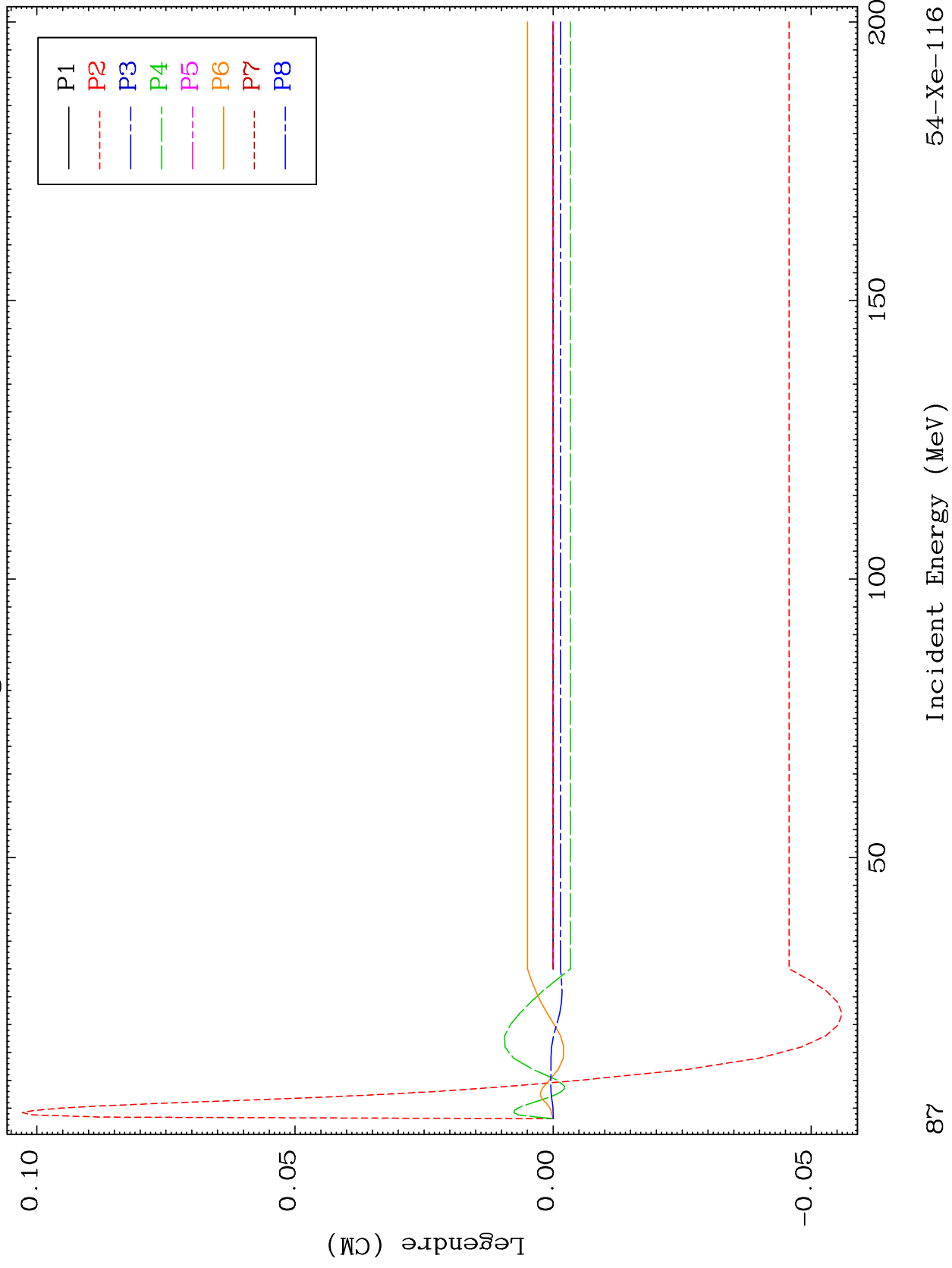
54-Xe-116



MAT 5401

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

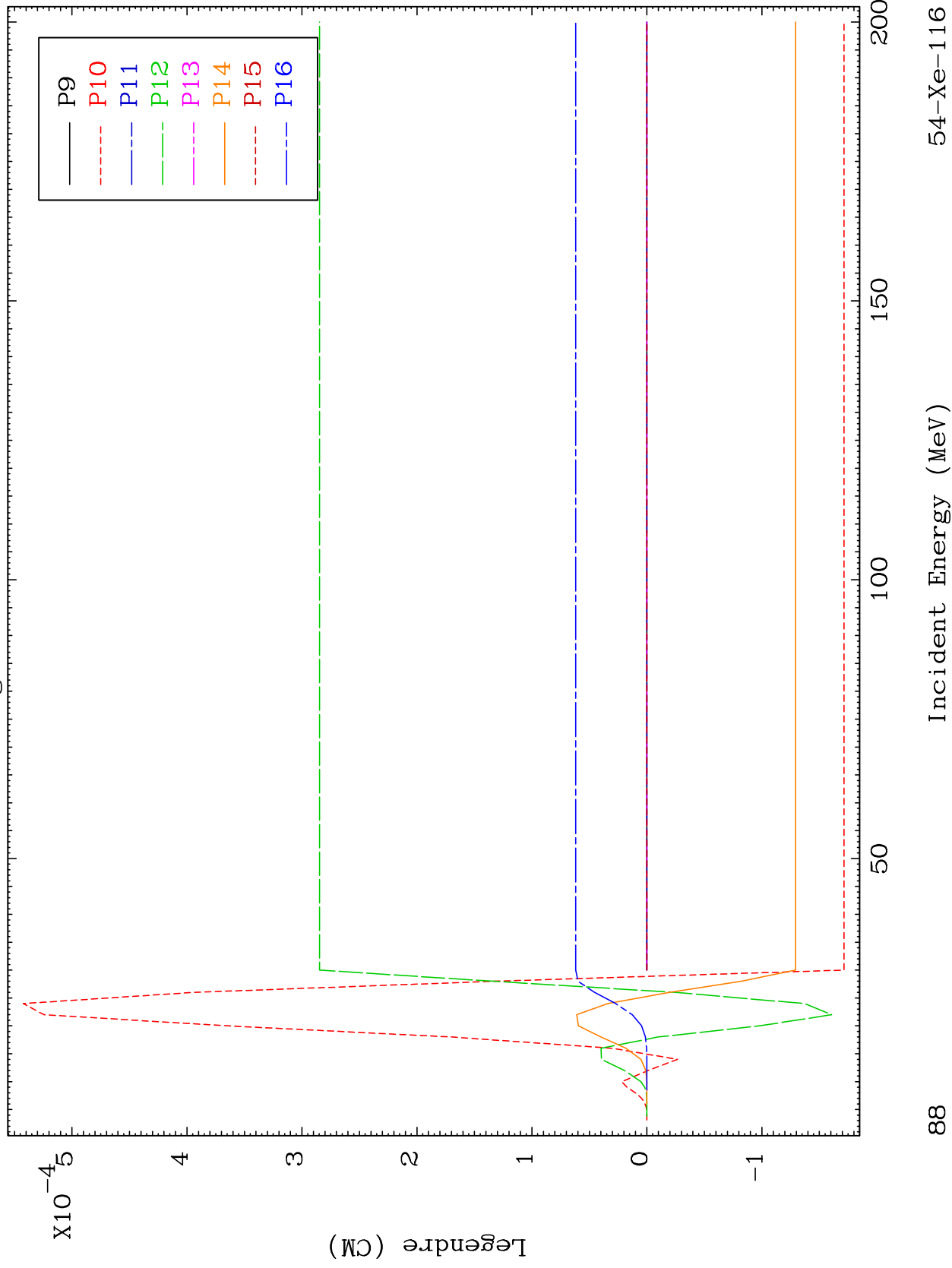
54-Xe-116



MAT 5401

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

54-Xe-116



88

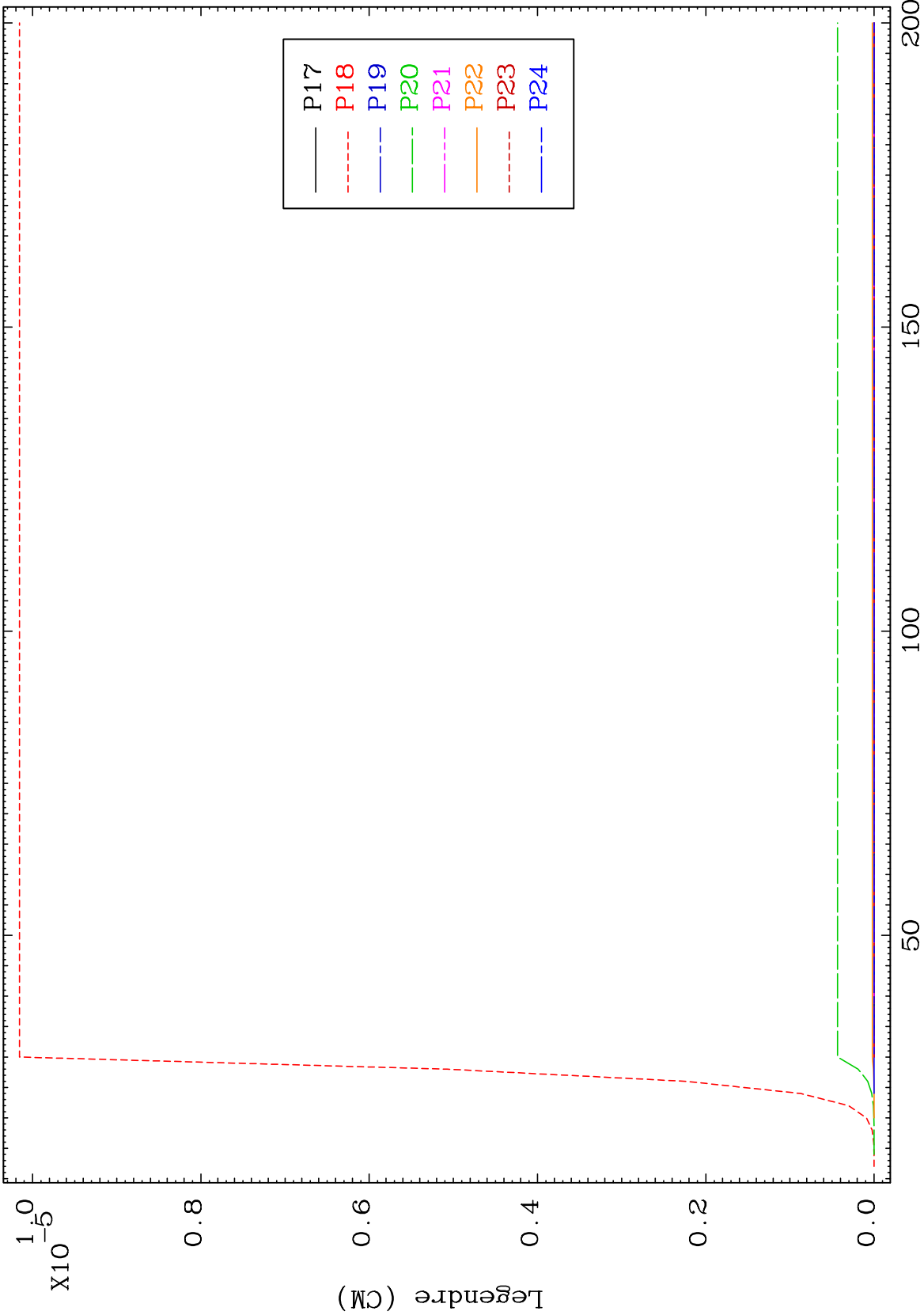
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



54-Xe-116

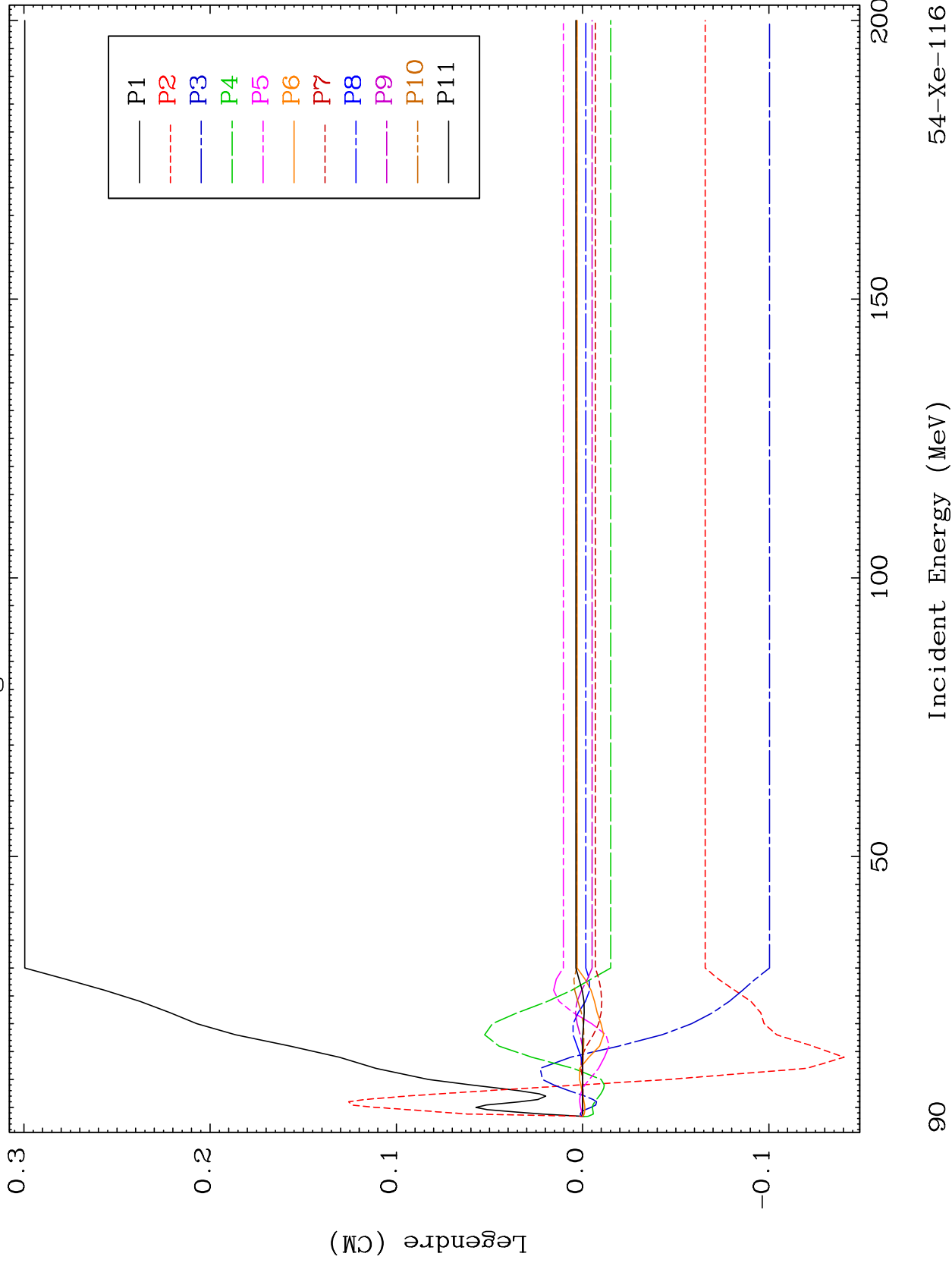
Incident Energy (MeV)

89

MAT 5401

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

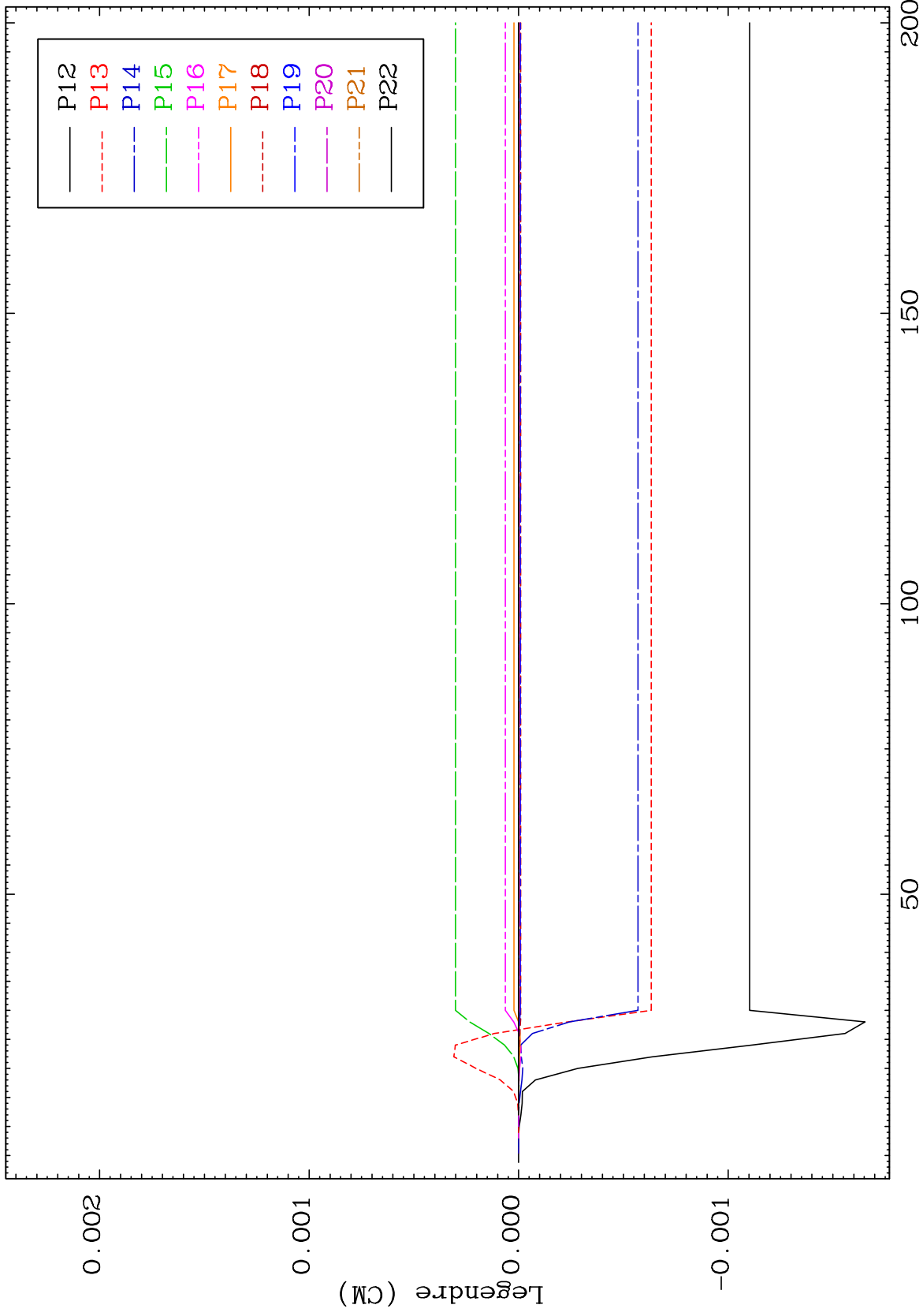
54-Xe-116



MAT 5401

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

54-Xe-116



91

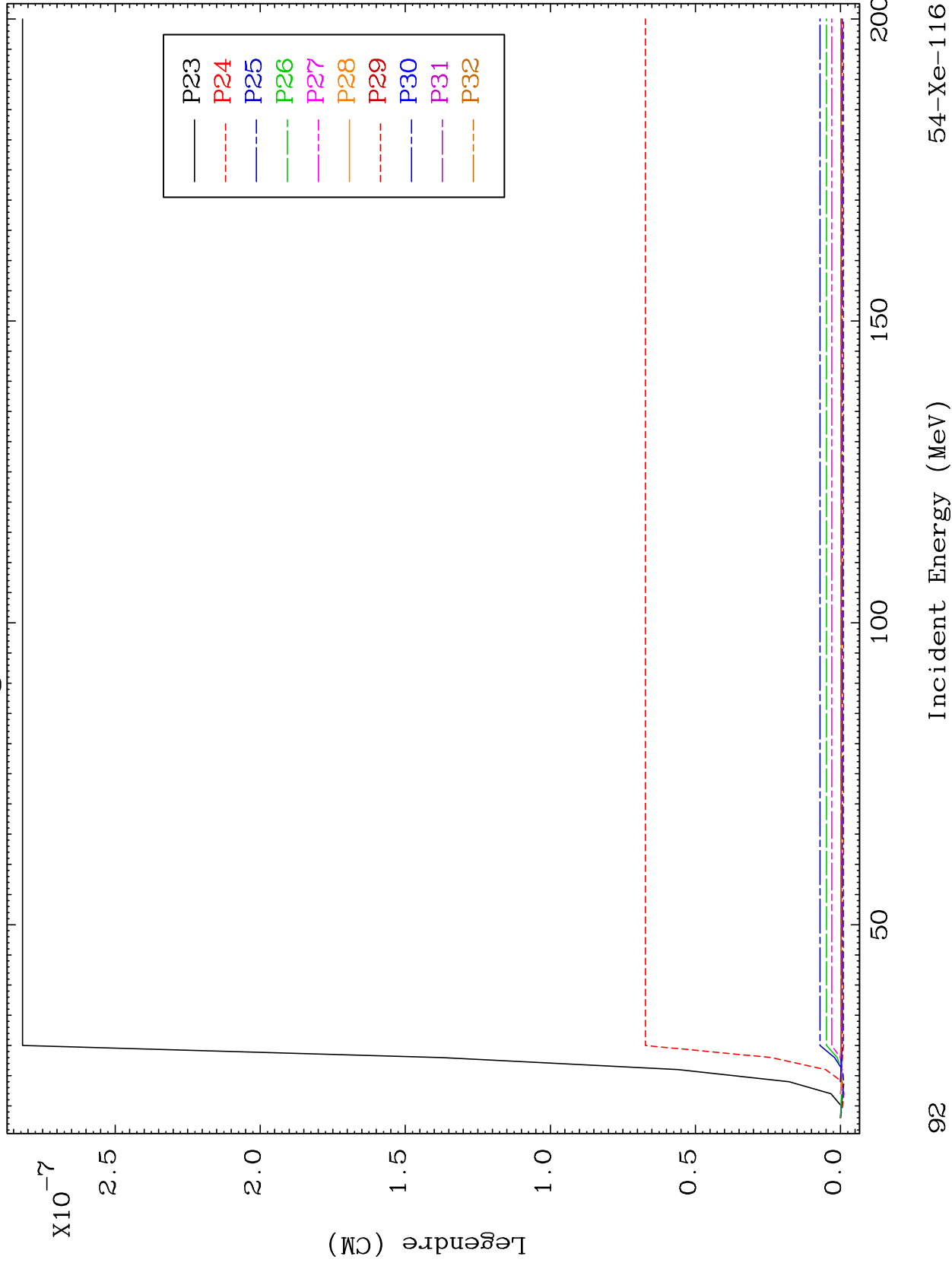
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



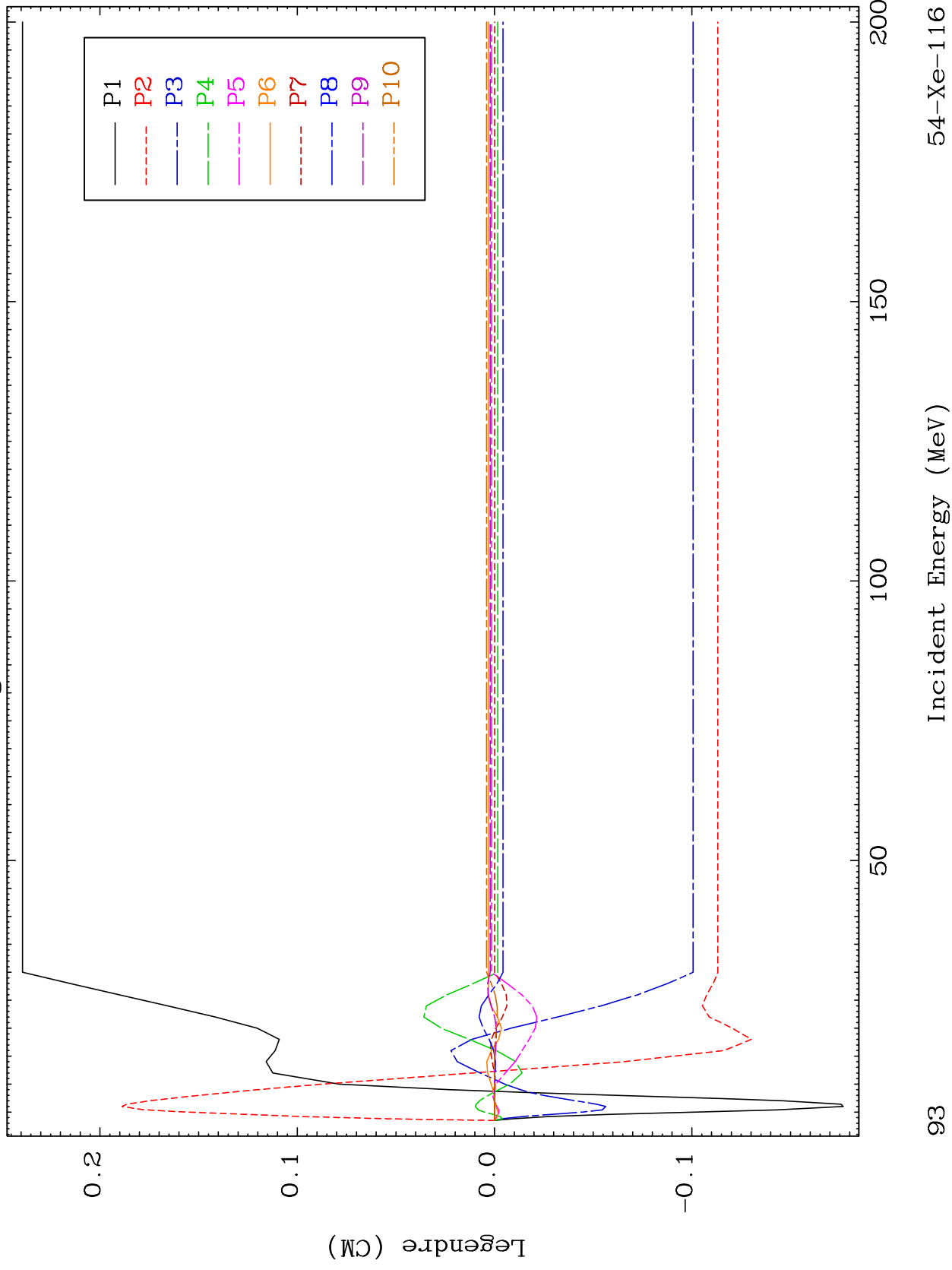
92

54-Xe-116

MAT 5401

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

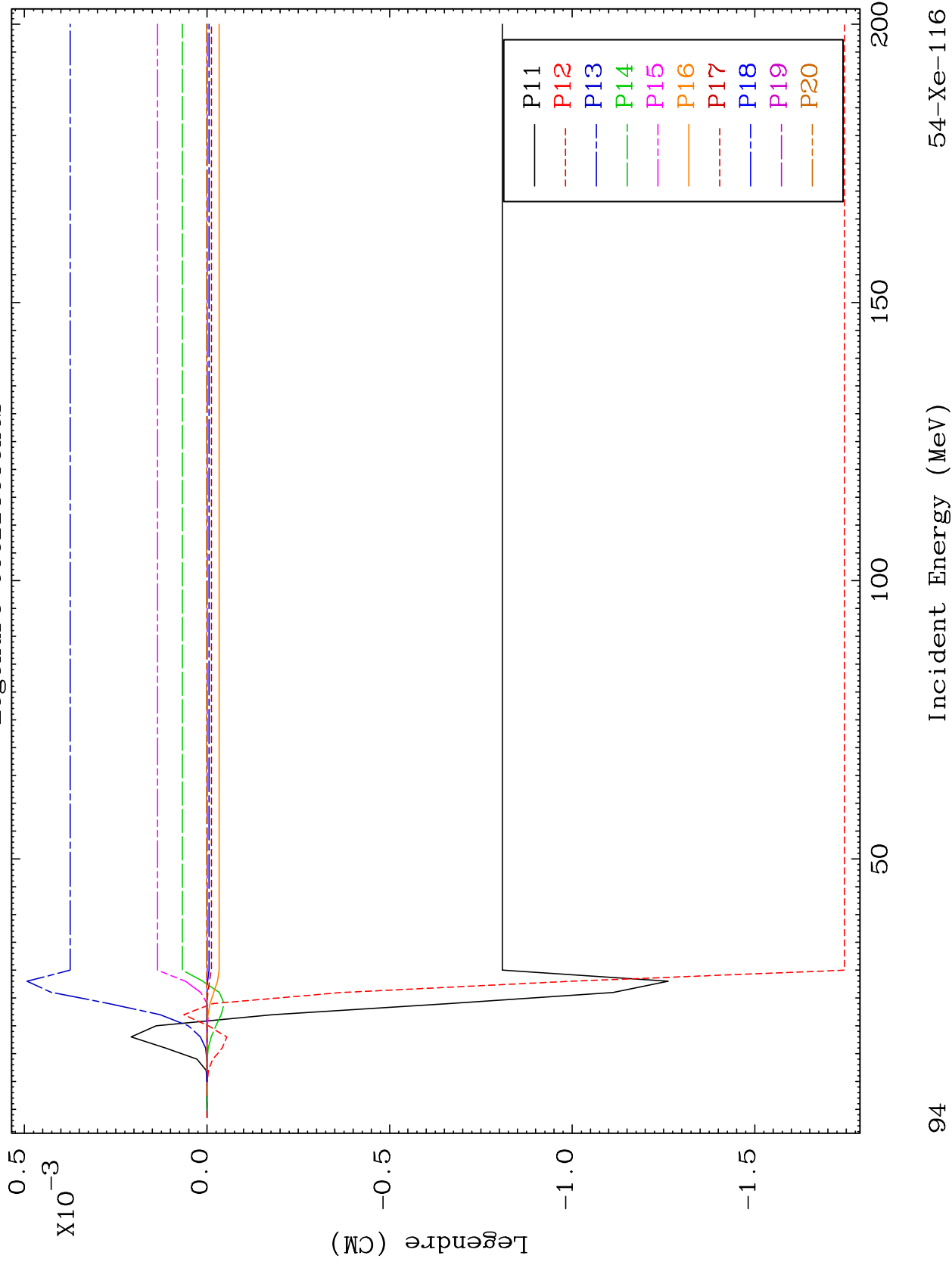
54-Xe-116



93

Incident Energy (MeV)

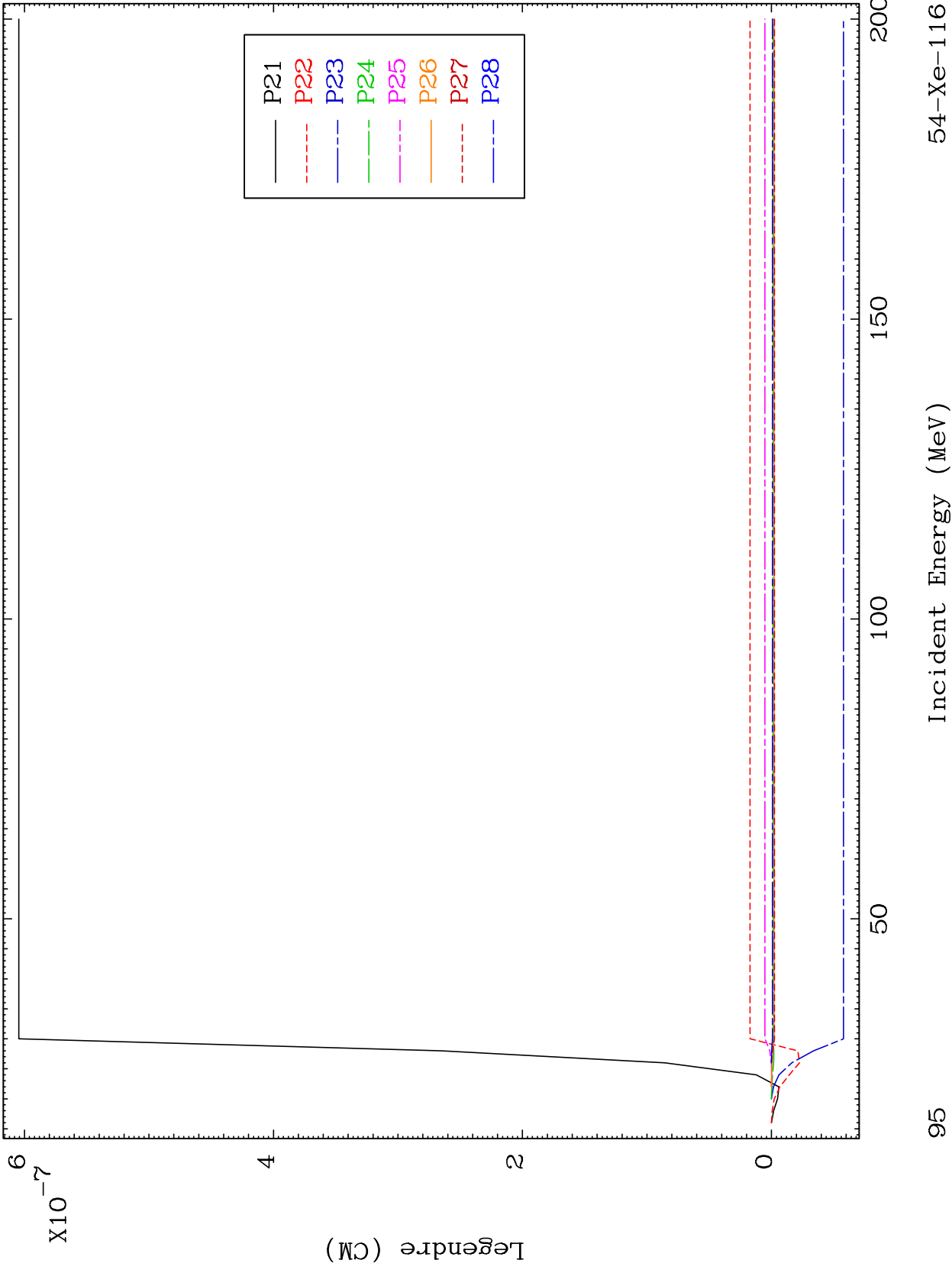
54-Xe-116



MAT 5401

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

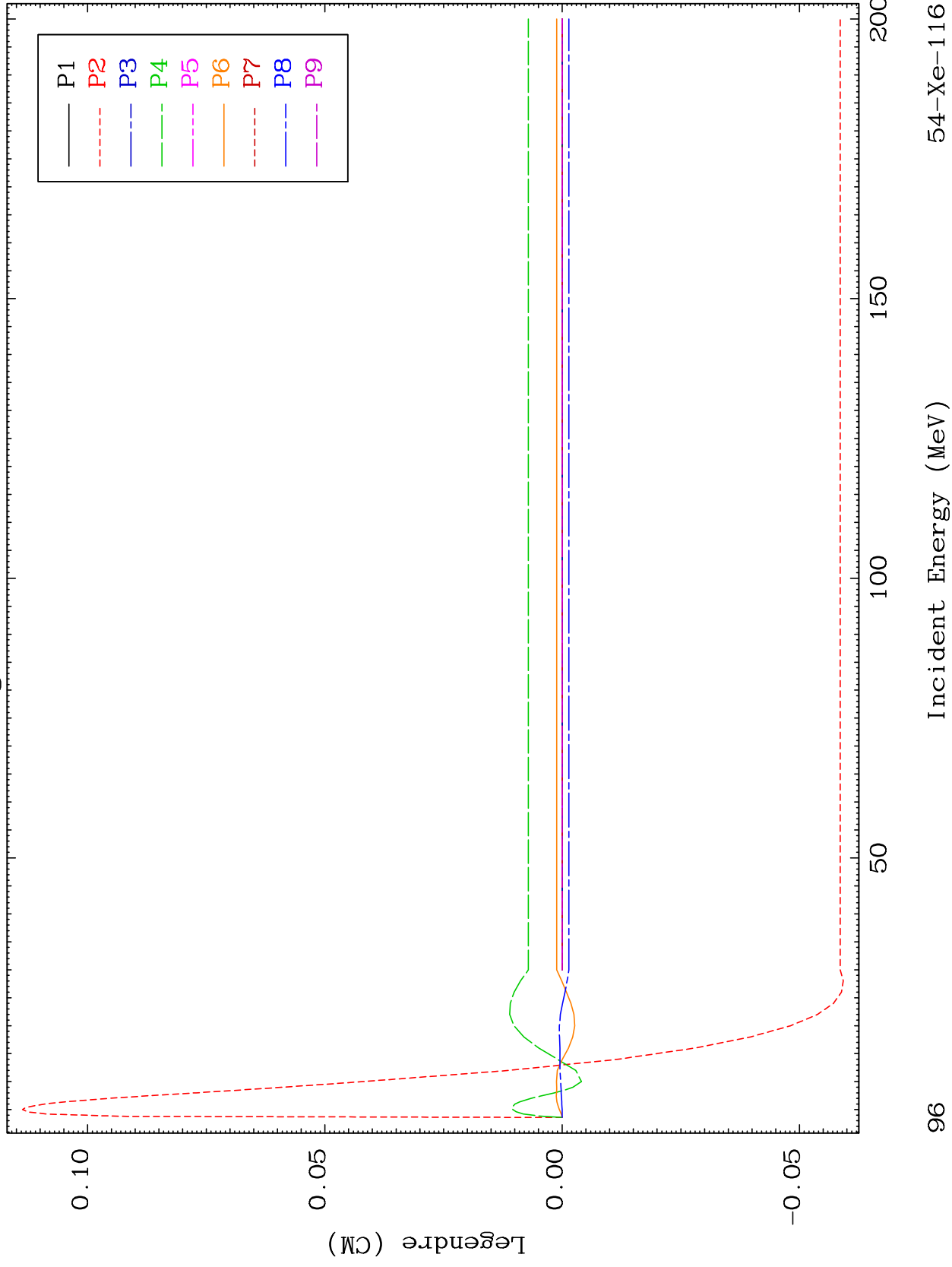
54-Xe-116



MAT 5401

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

54-Xe-116



96

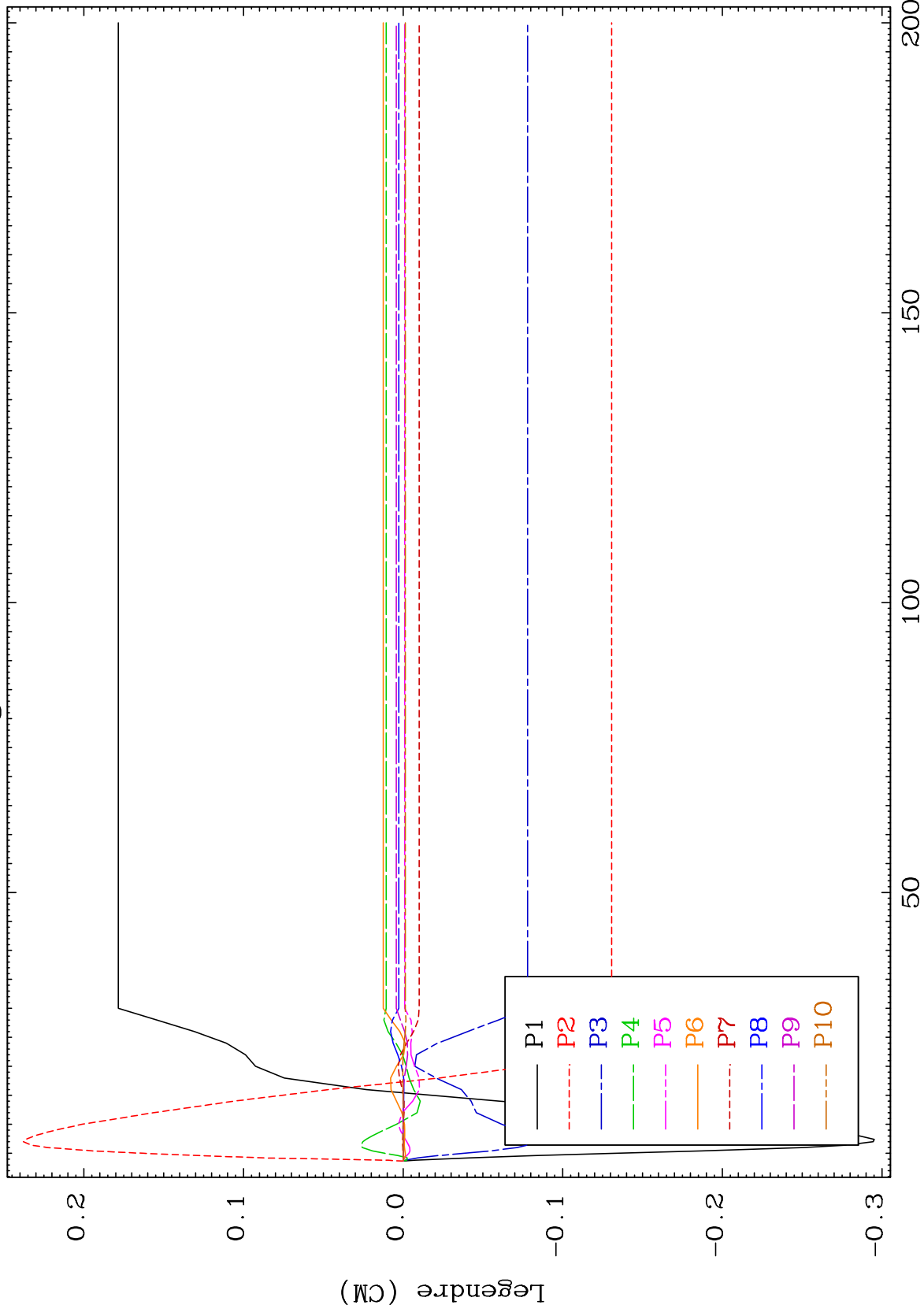
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



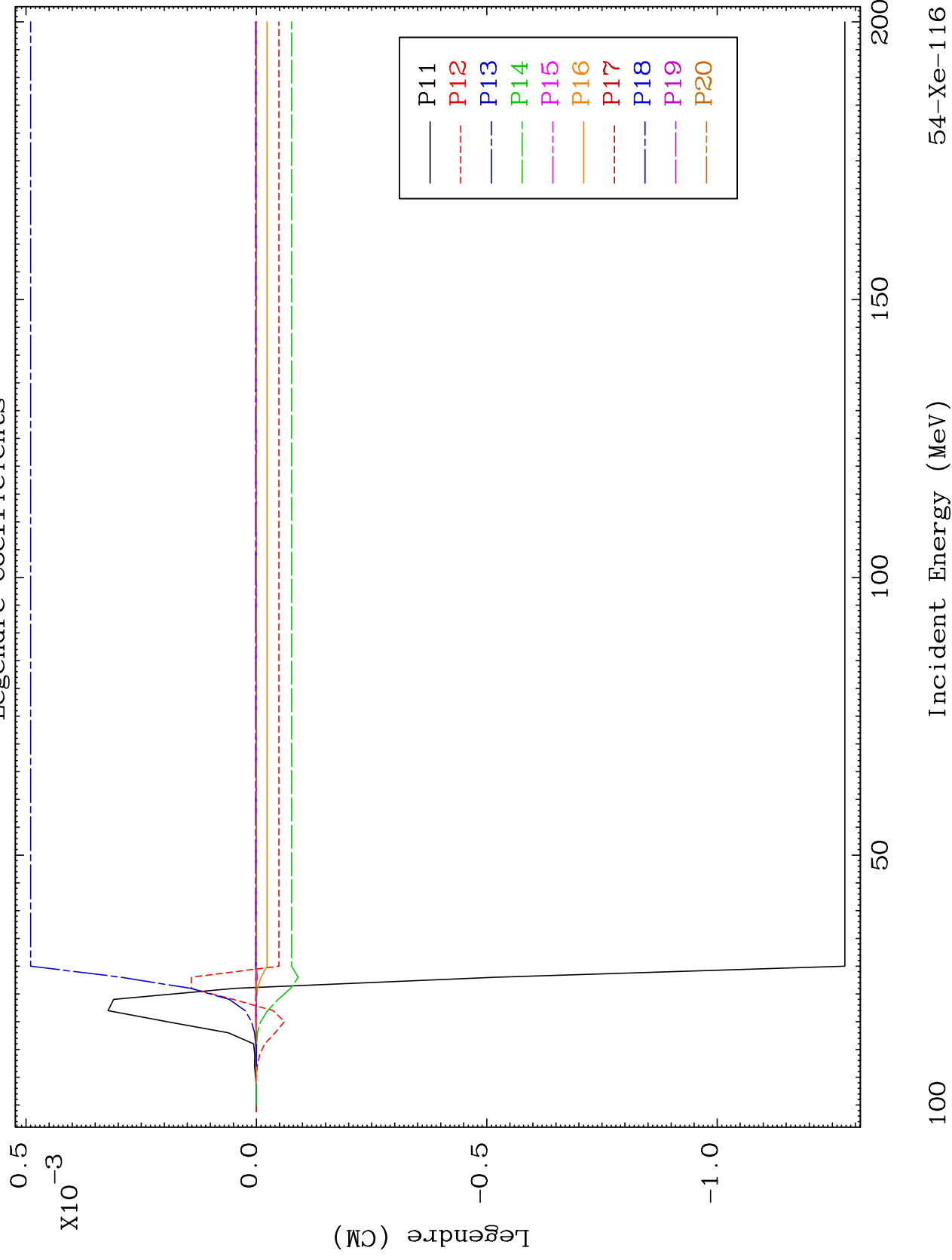
99

54-Xe-116

MAT 5401

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

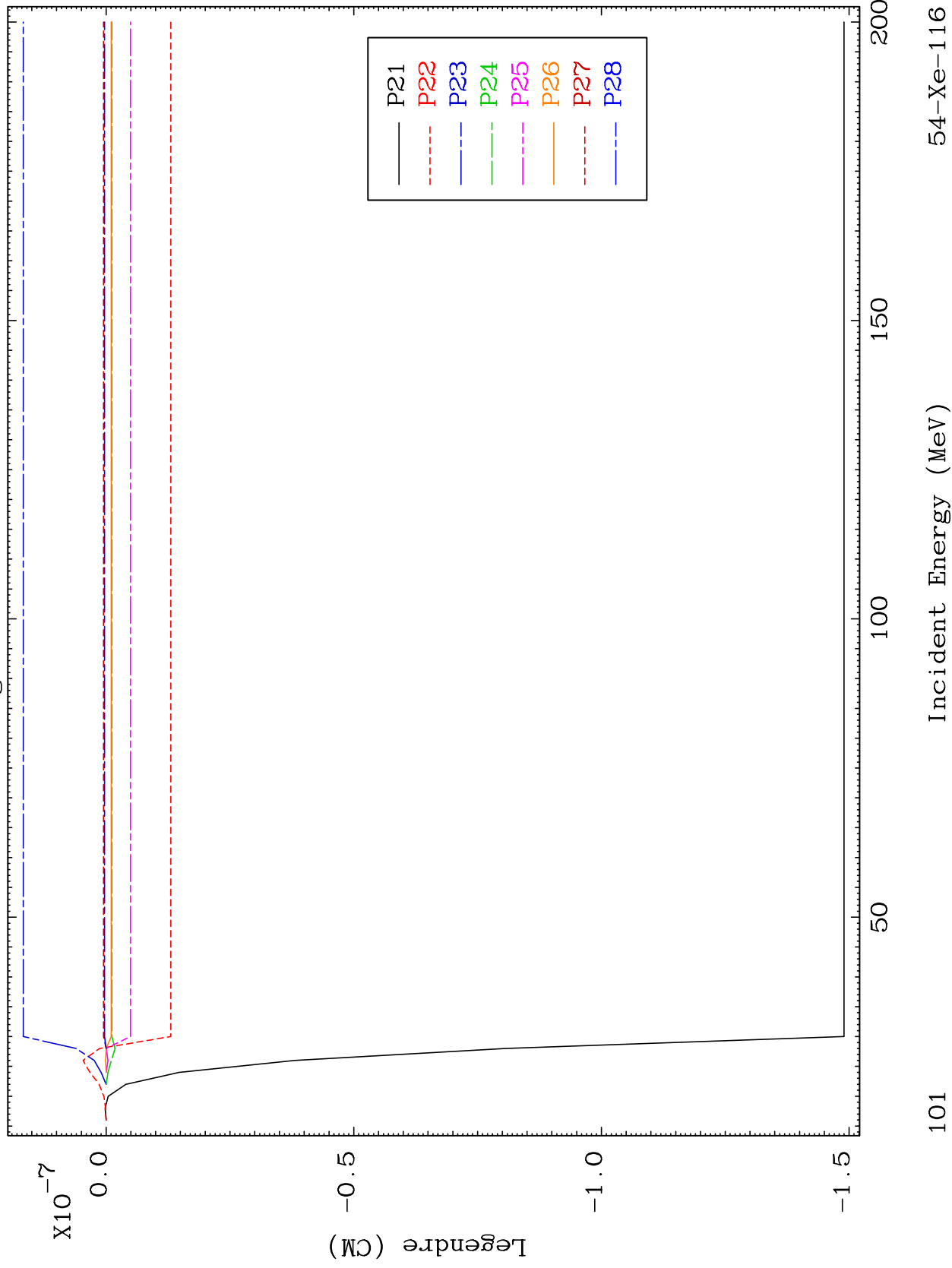
54-Xe-116



MAT 5401

54-Xe-116

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



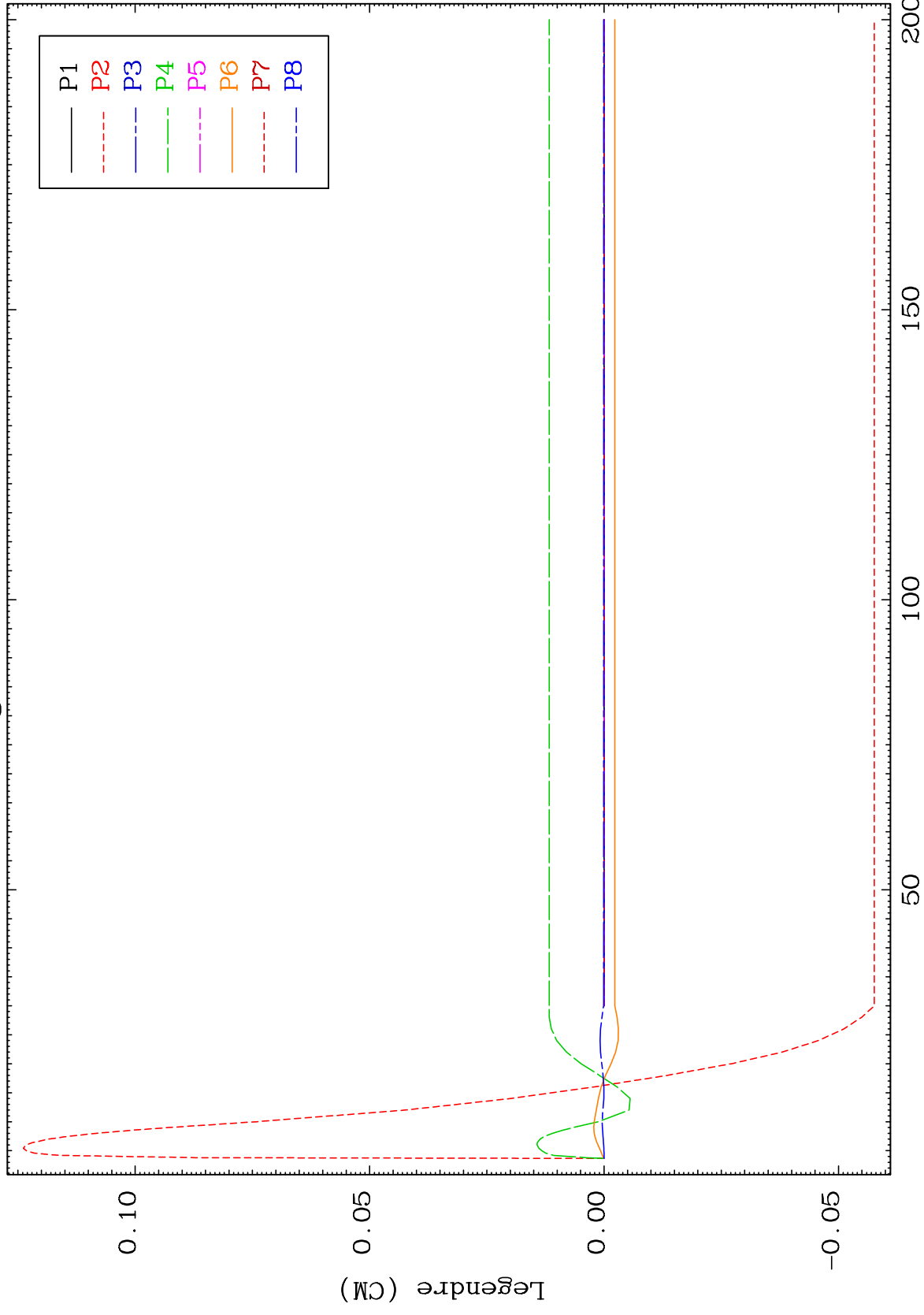
101

54-Xe-116

MAT 5401

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

54-Xe-116



102

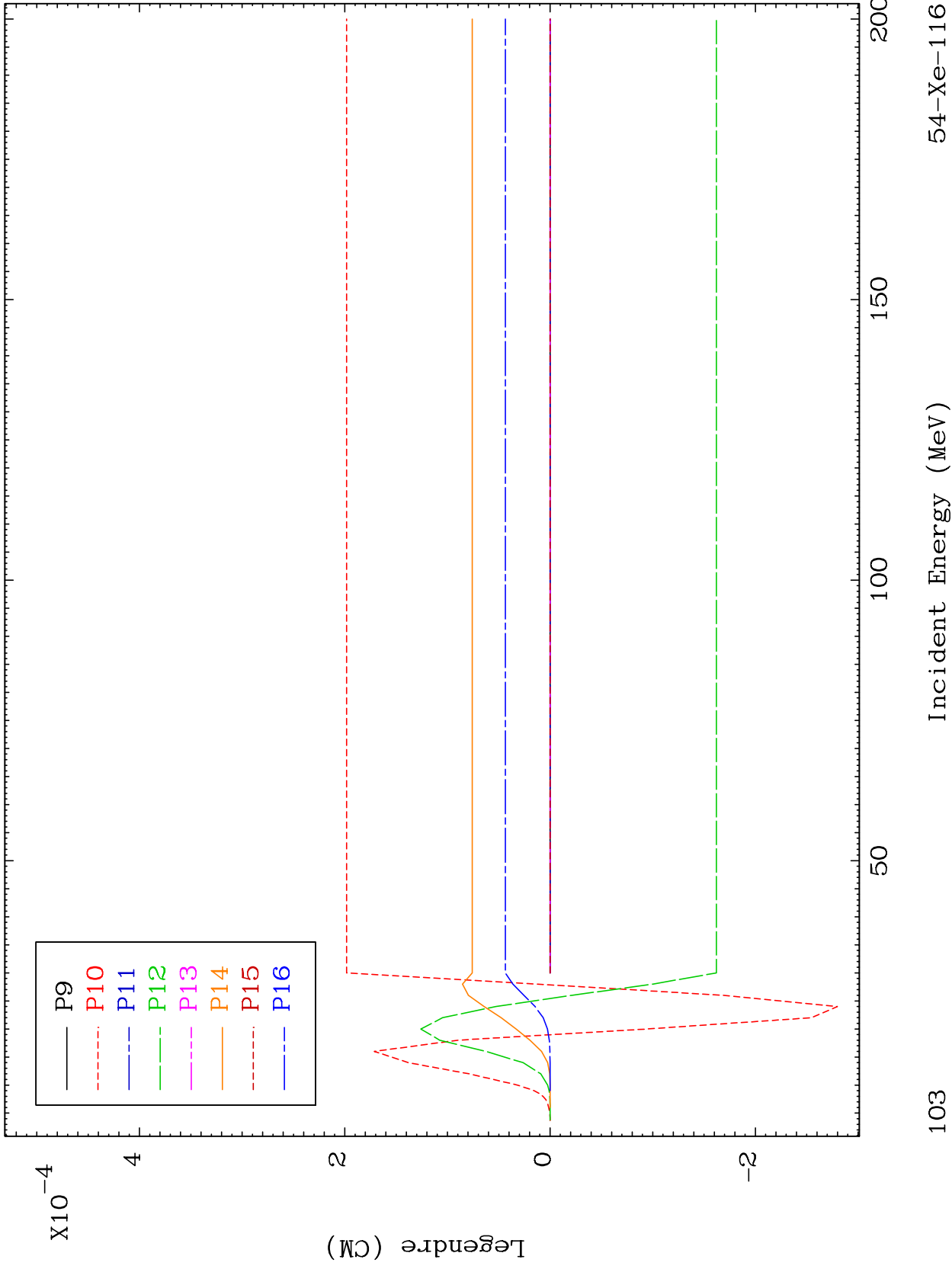
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



103

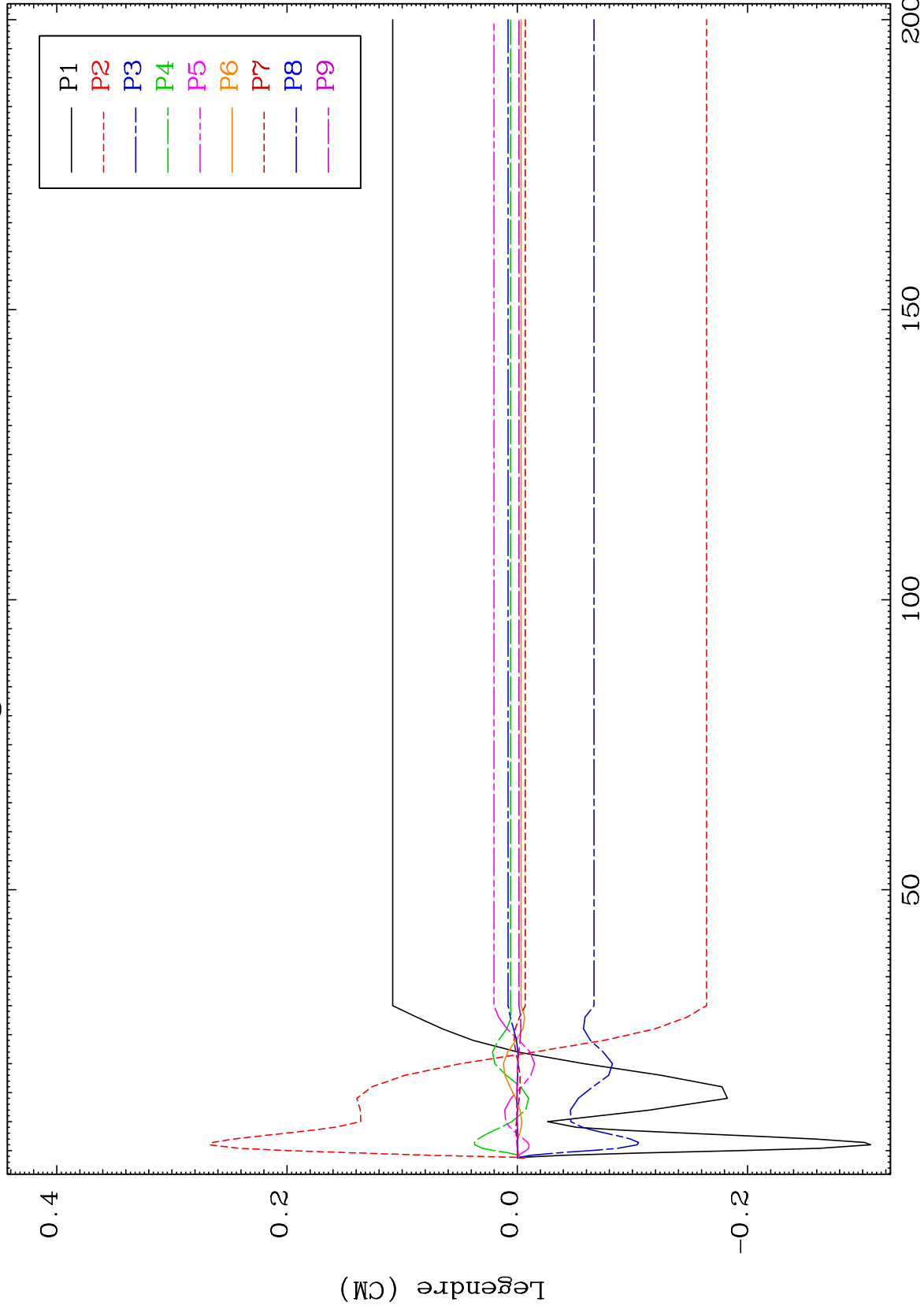
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



105

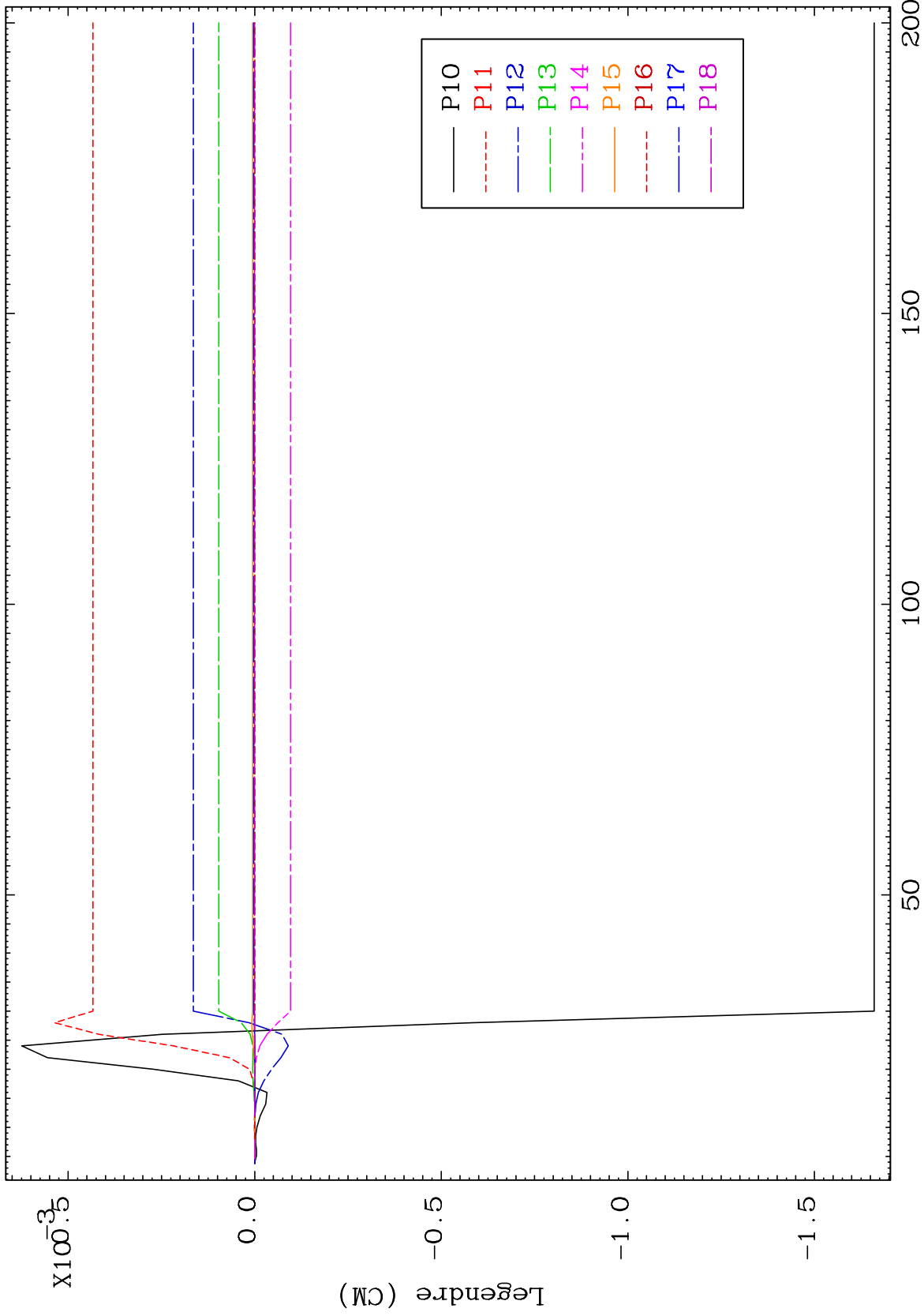
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



106

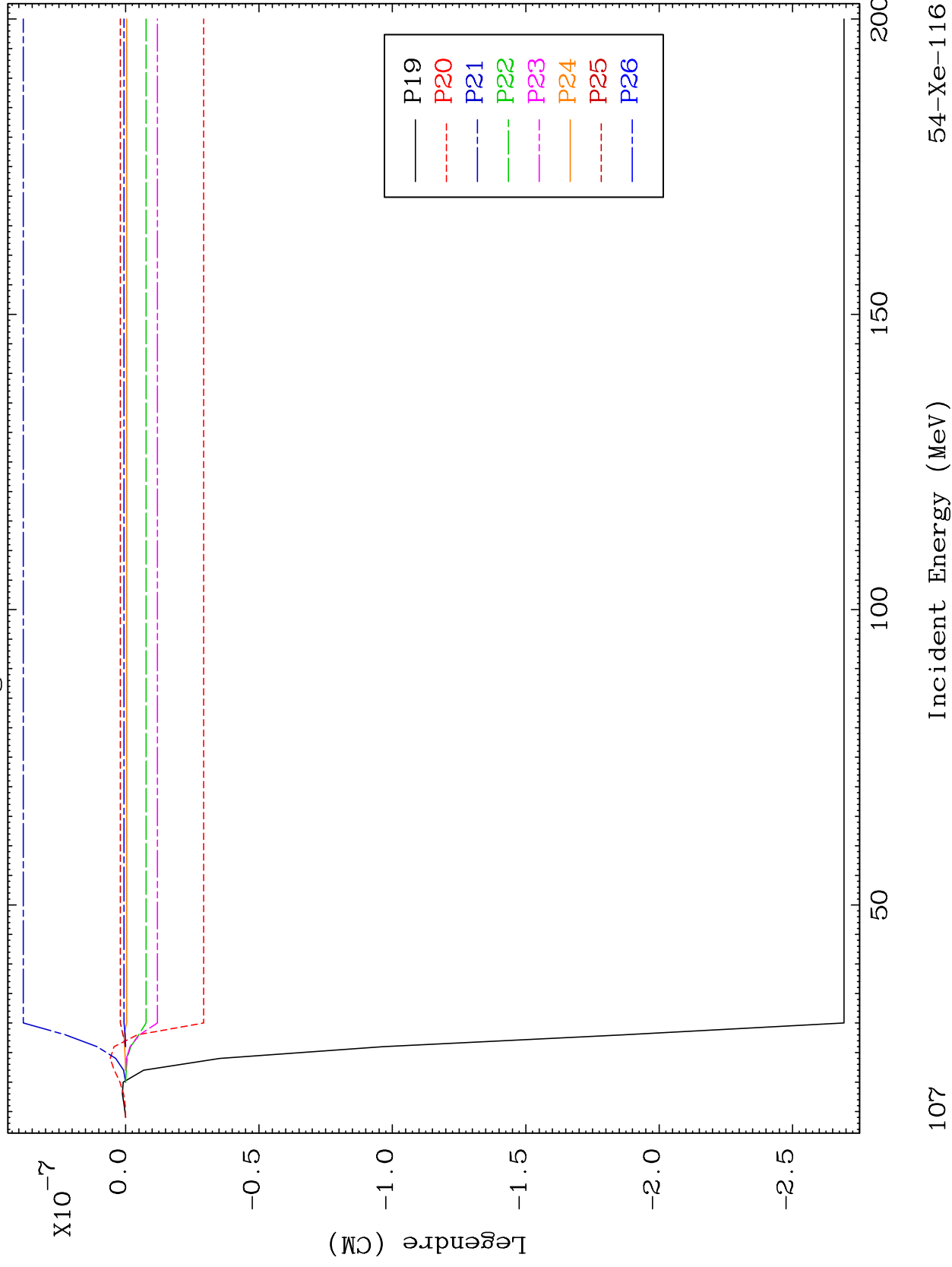
Incident Energy (MeV)

54-Xe-116

MAT 5401

54-Xe-116

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



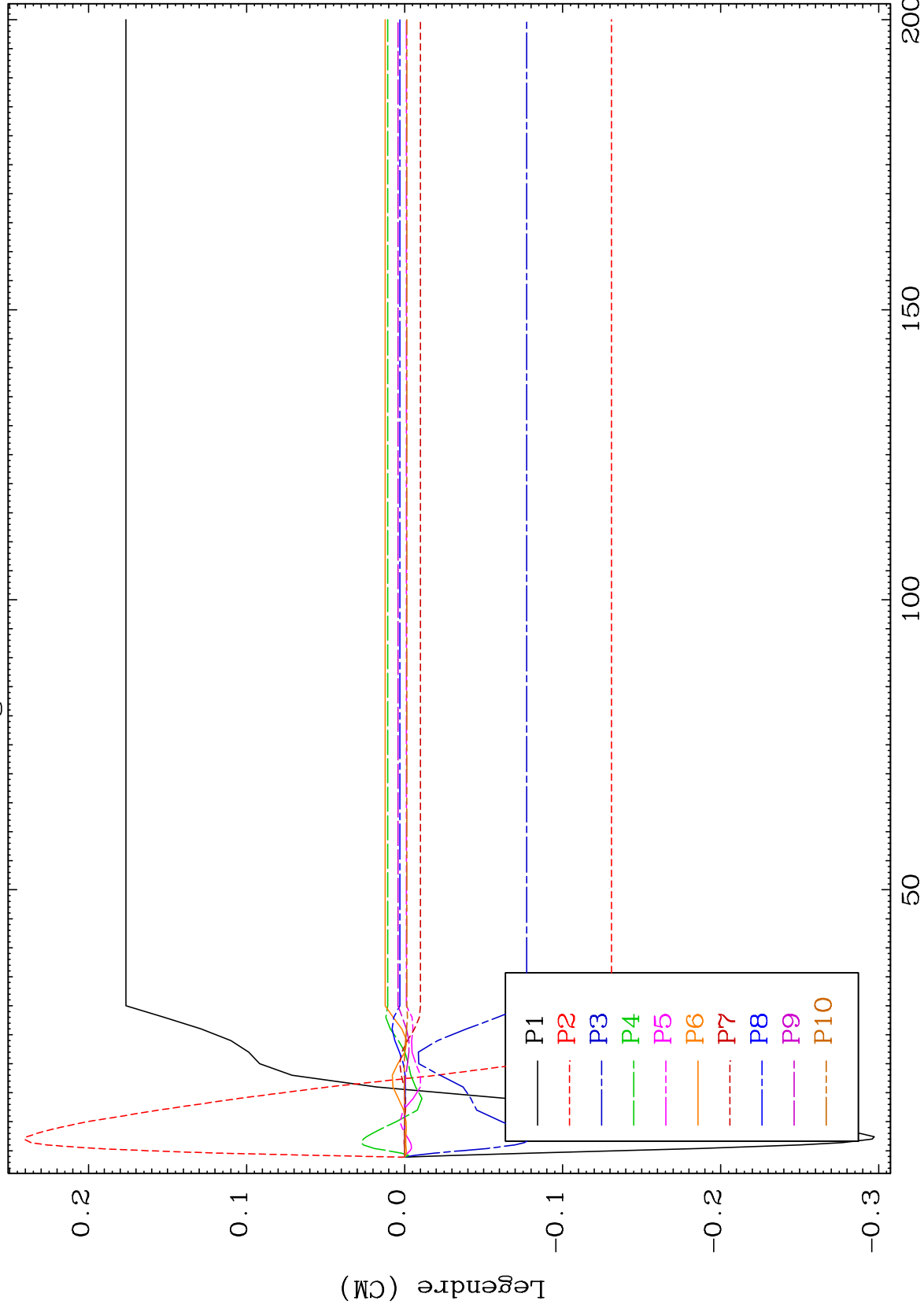
107

54-Xe-116

MAT 5401

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

54-Xe-116



108

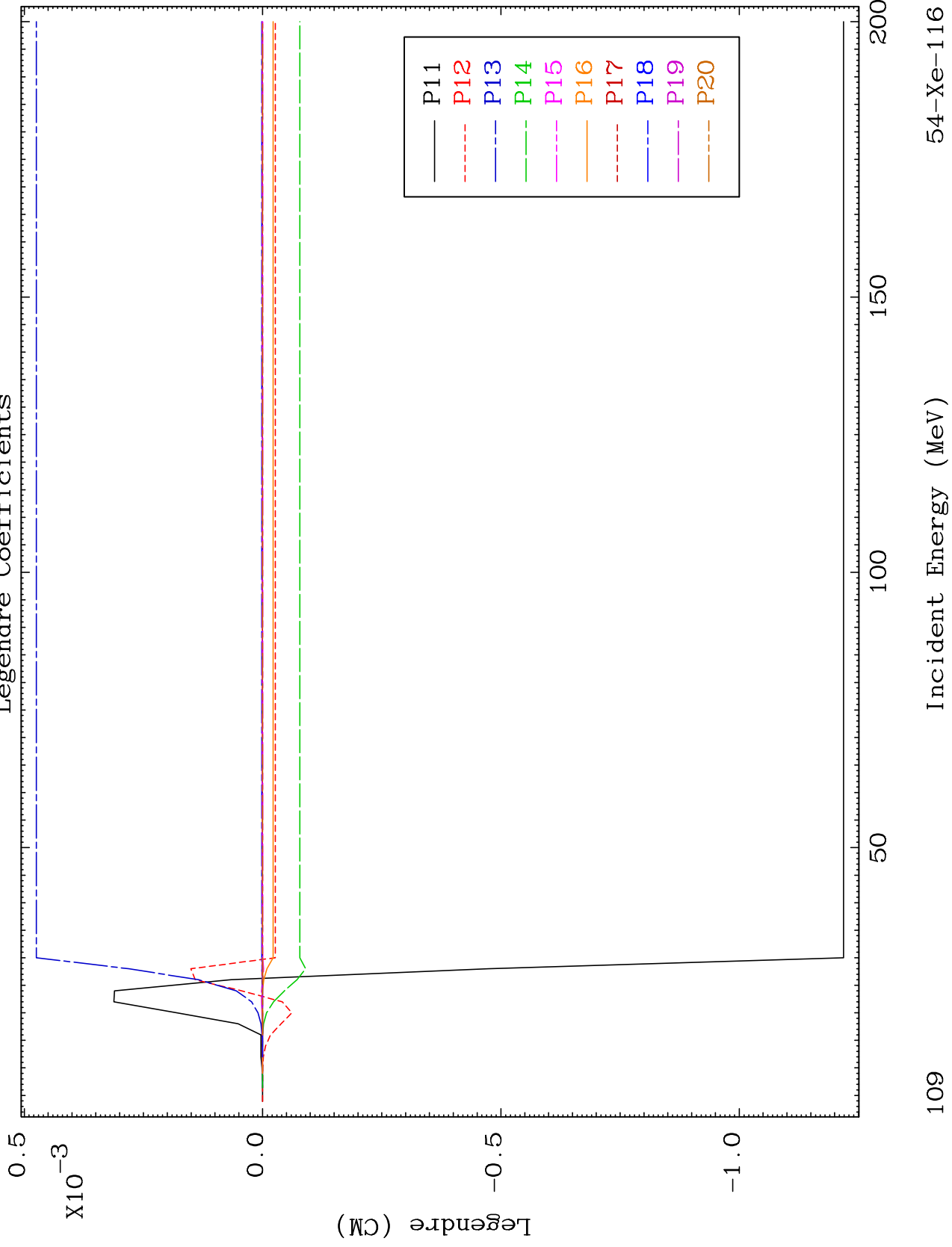
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



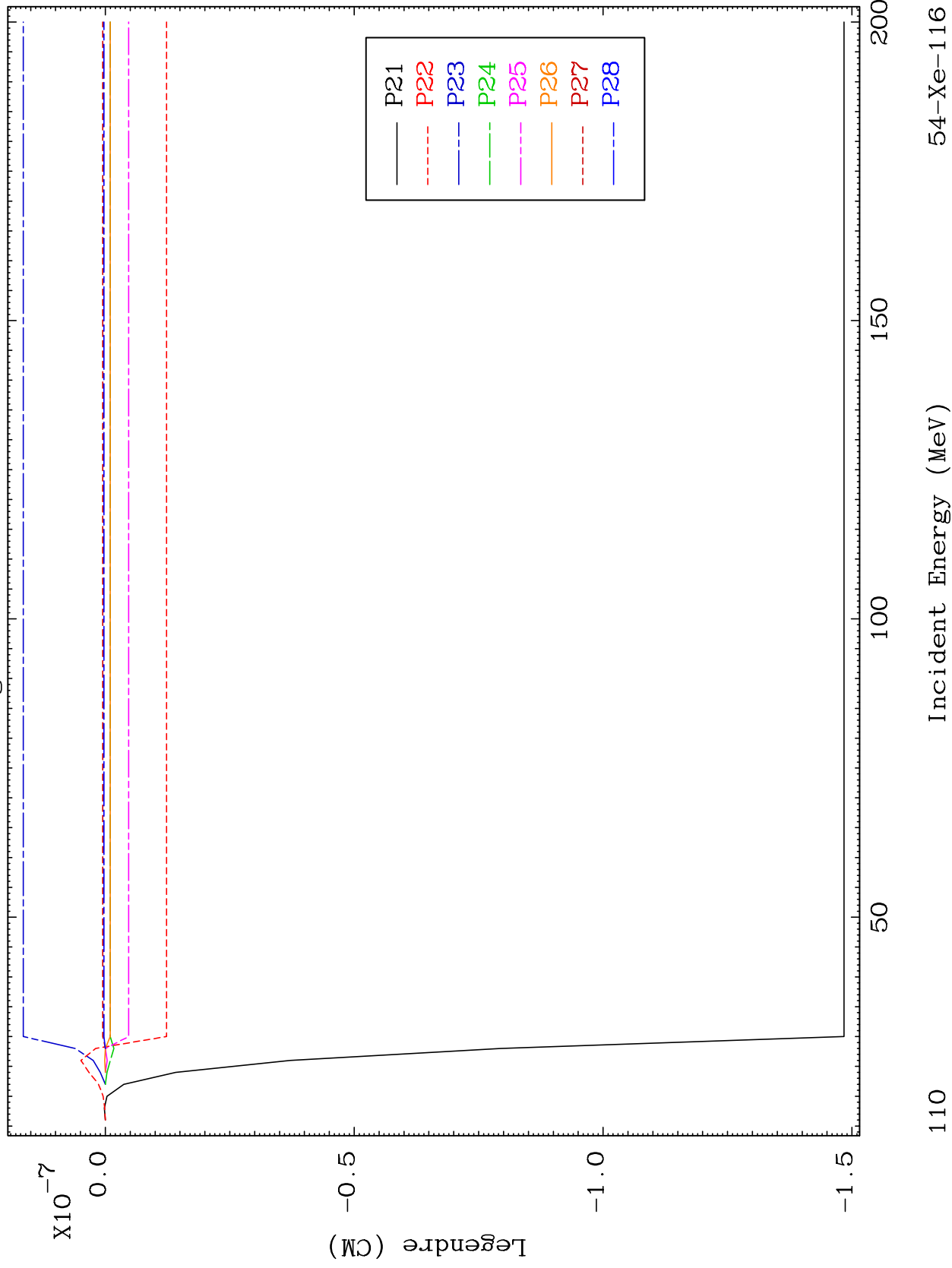
109

54-Xe-116

MAT 5401

54-Xe-116

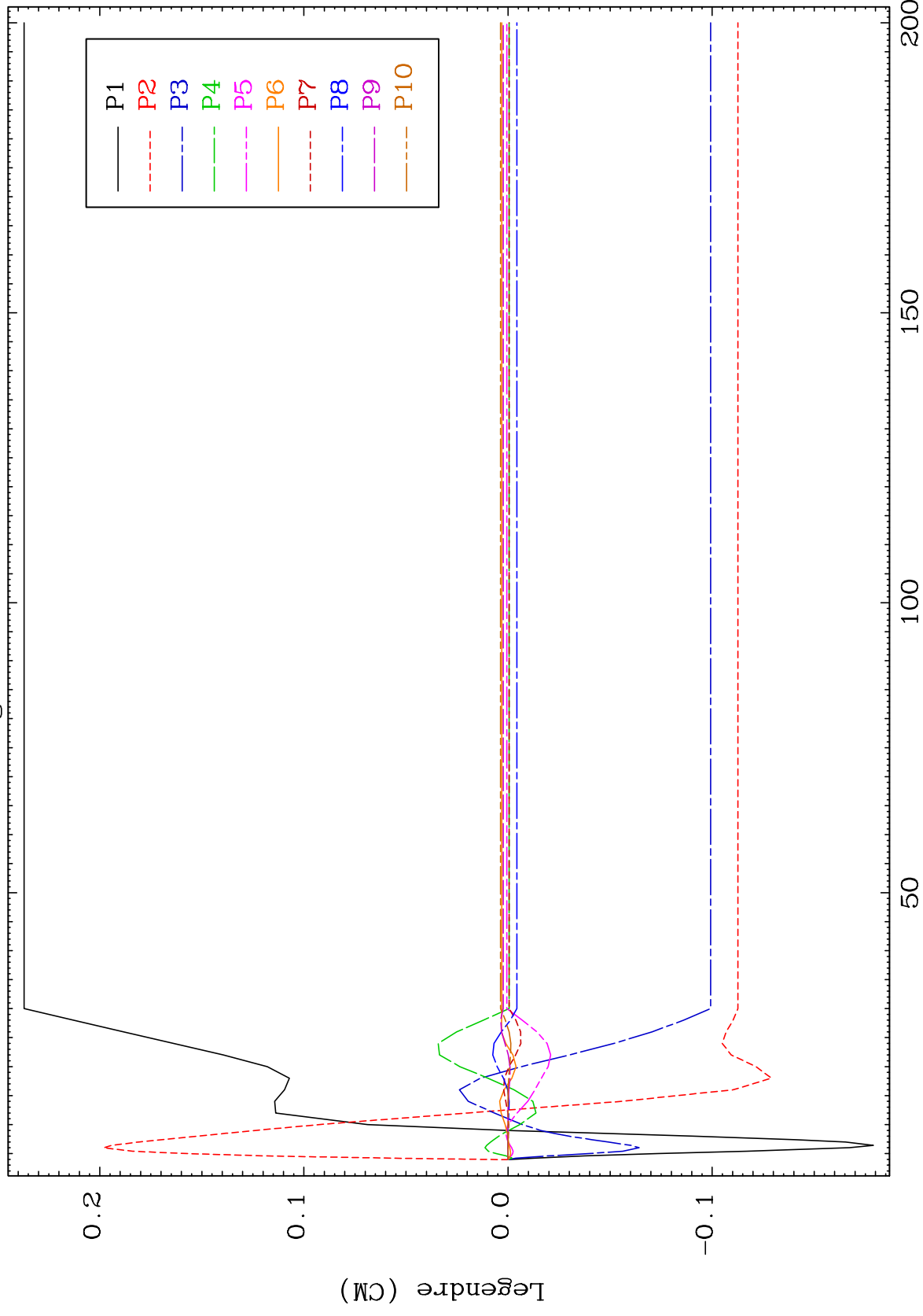
MT= 76 (n,n') Level
Legendre Coefficients



MAT 5401

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

54-Xe-116



111

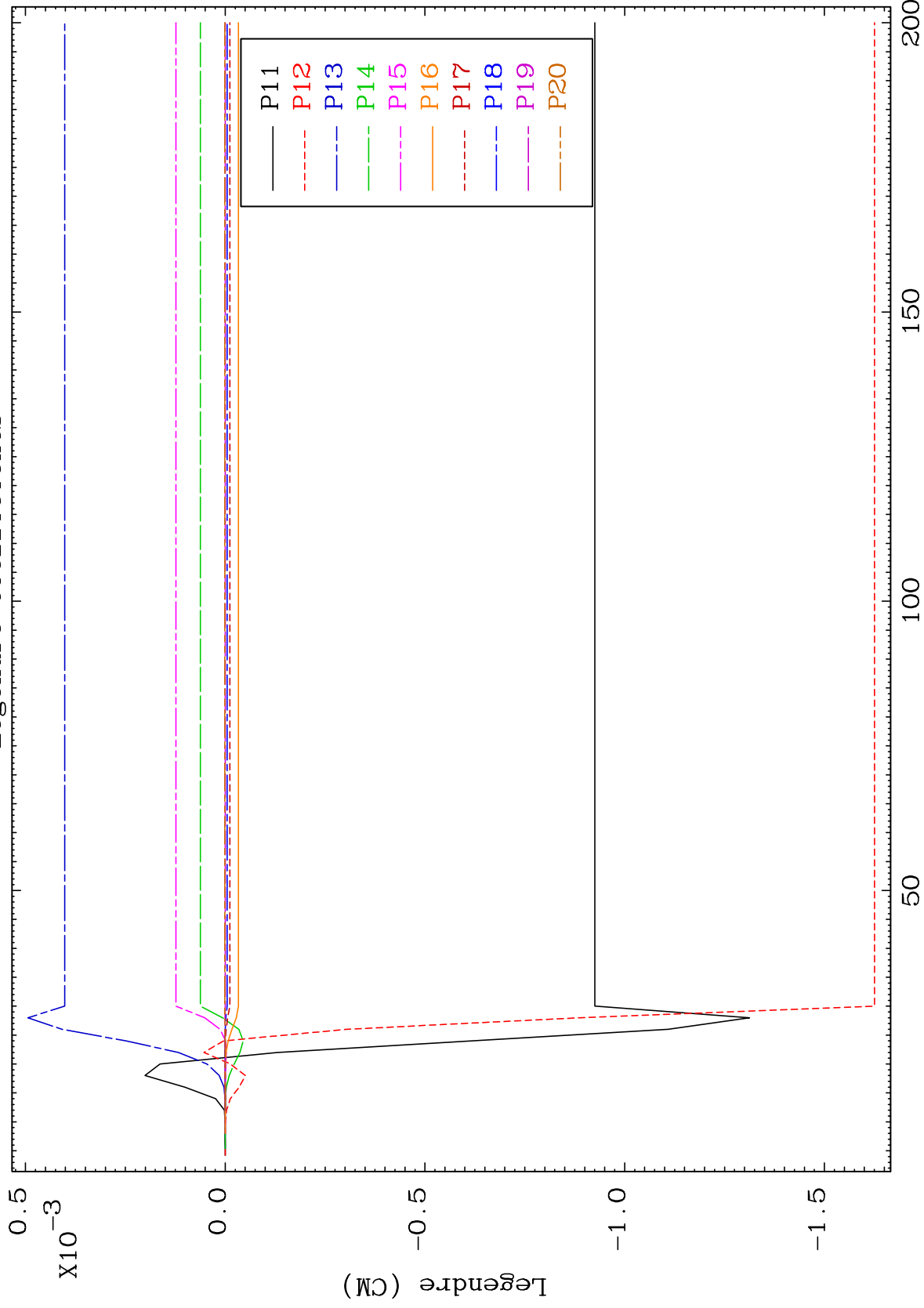
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



112

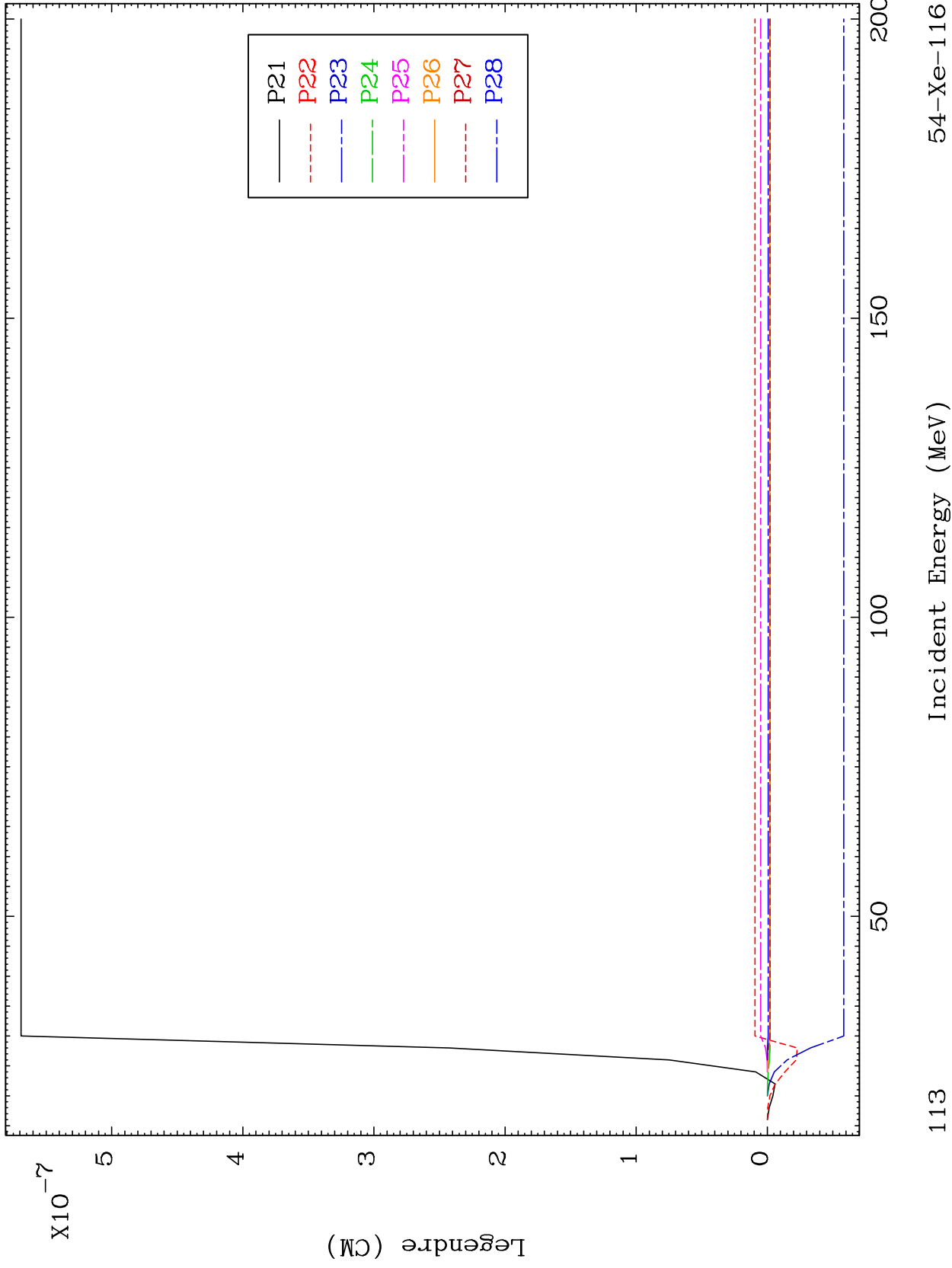
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

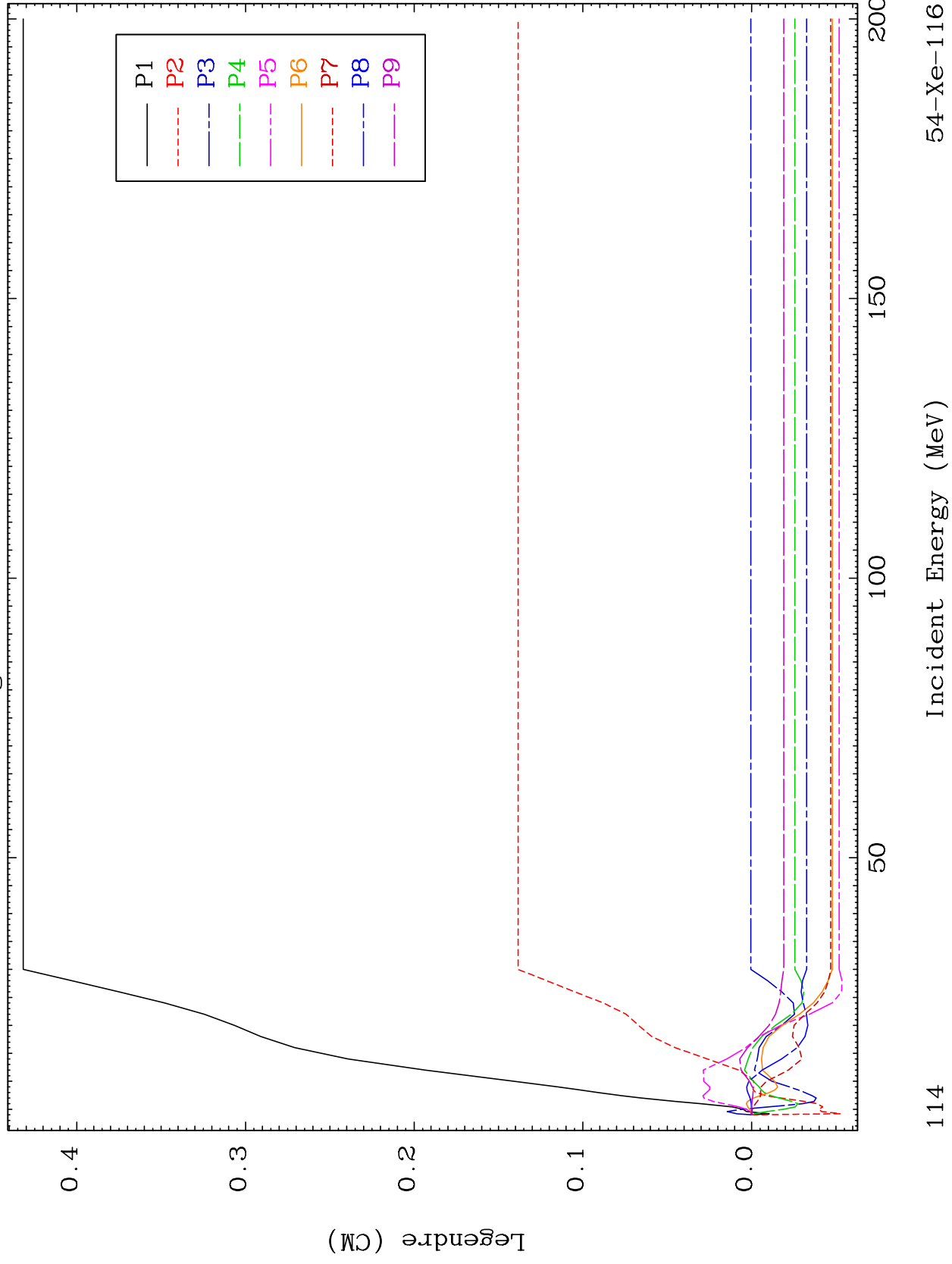
54-Xe-116



113

Incident Energy (MeV)

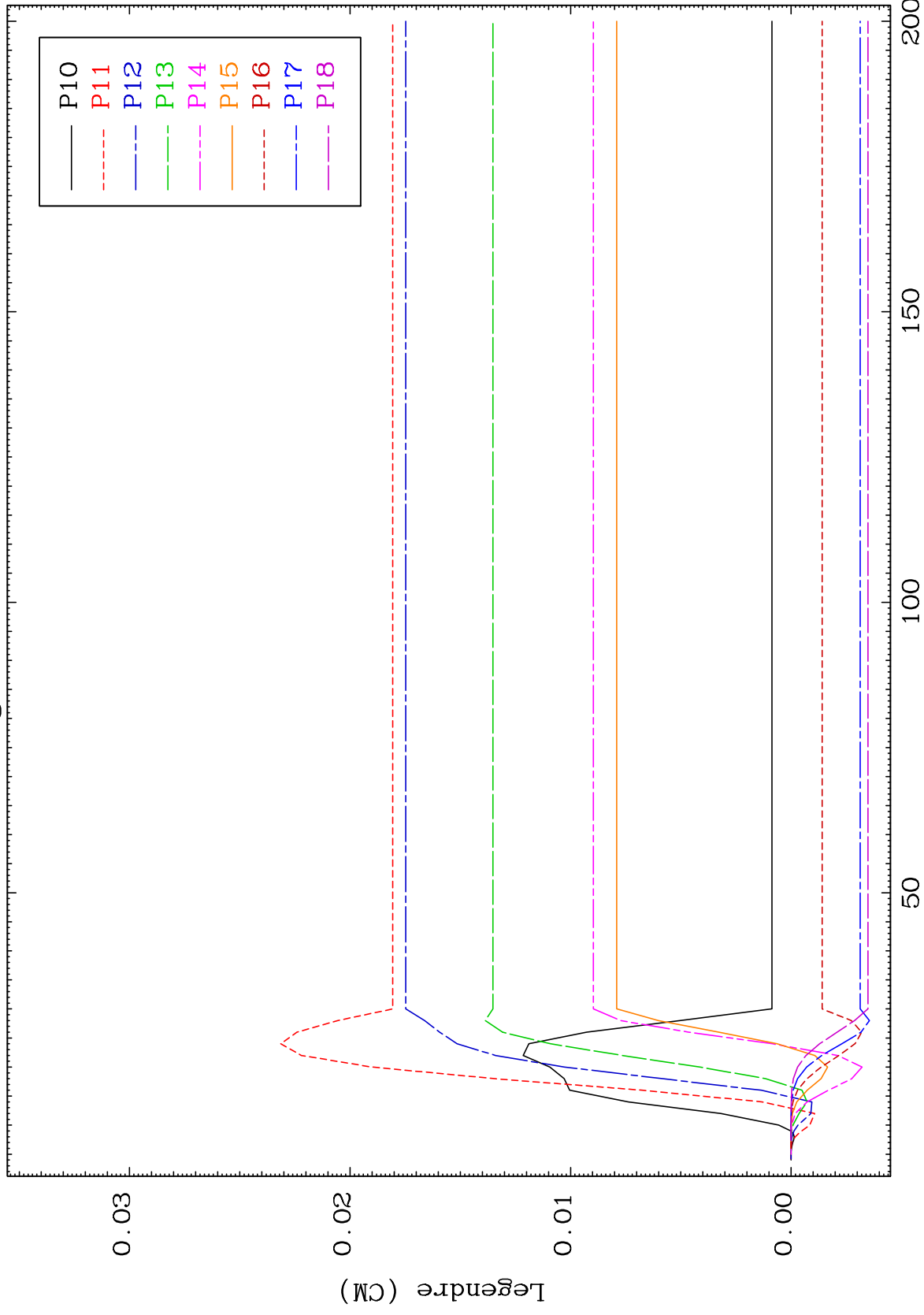
54-Xe-116



MAT 5401

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

54-Xe-116



115

Incident Energy (MeV)

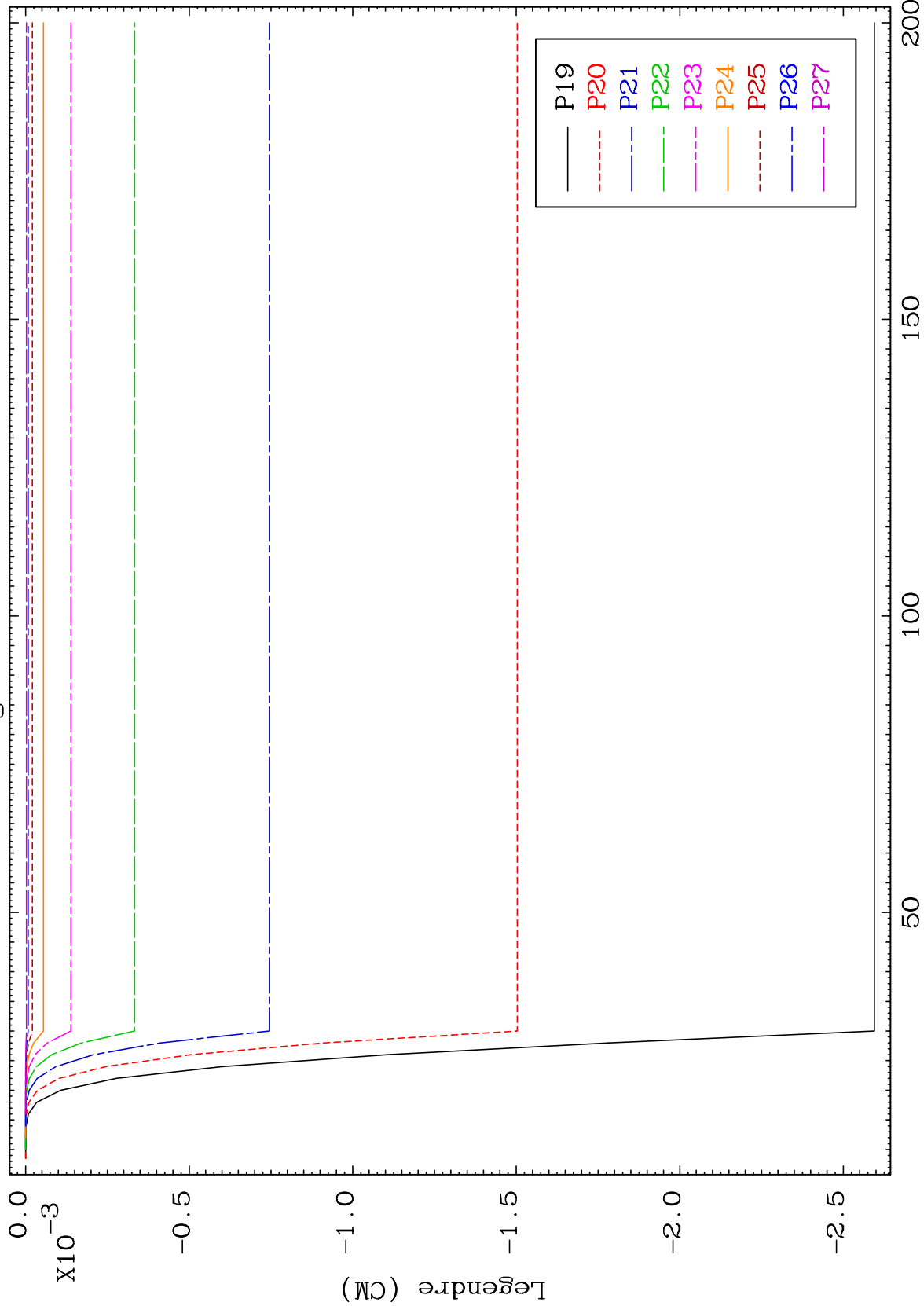
54-Xe-116

MAT 5401

MT= 78 (n,n') Level

54-Xe-116

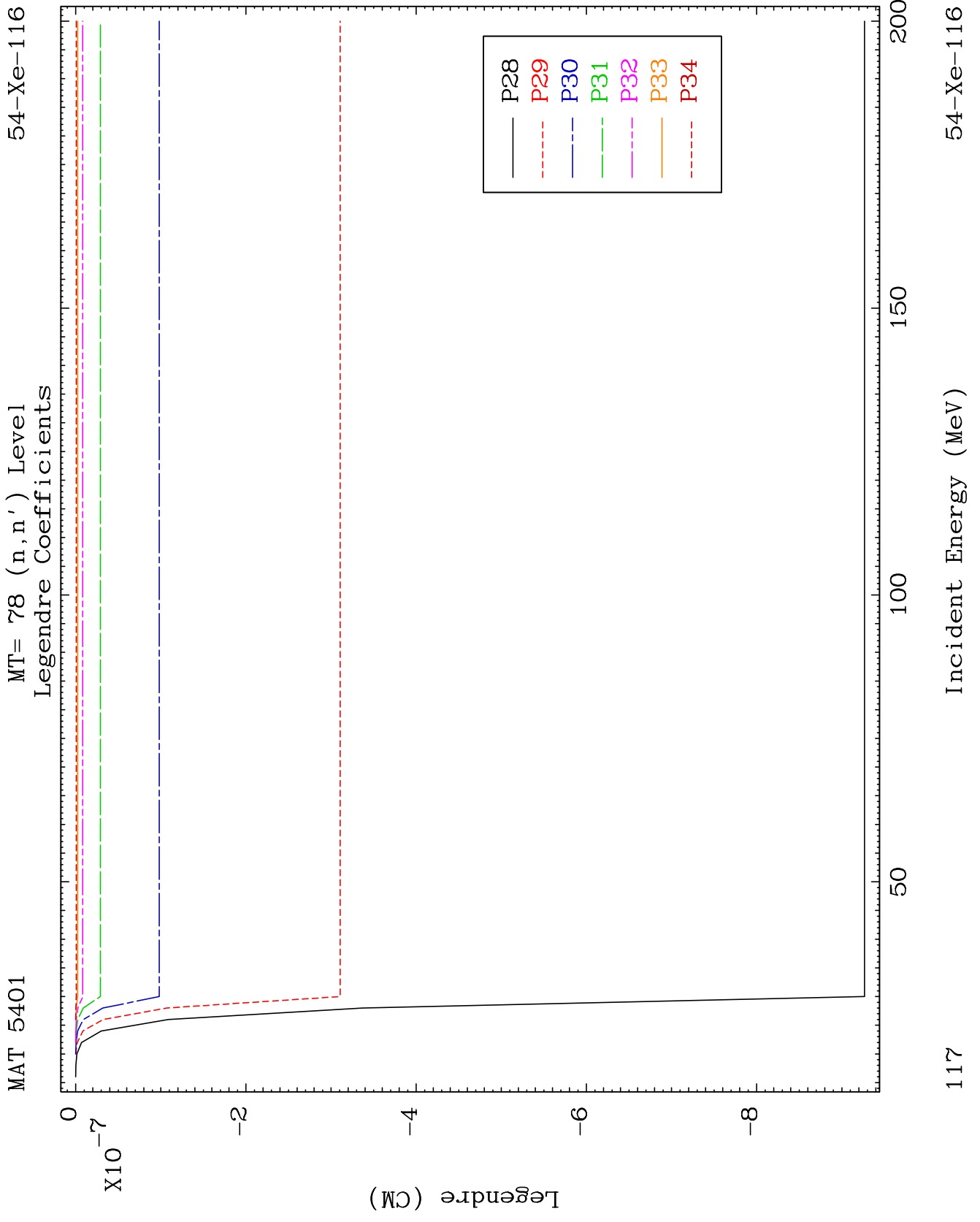
Legendre Coefficients



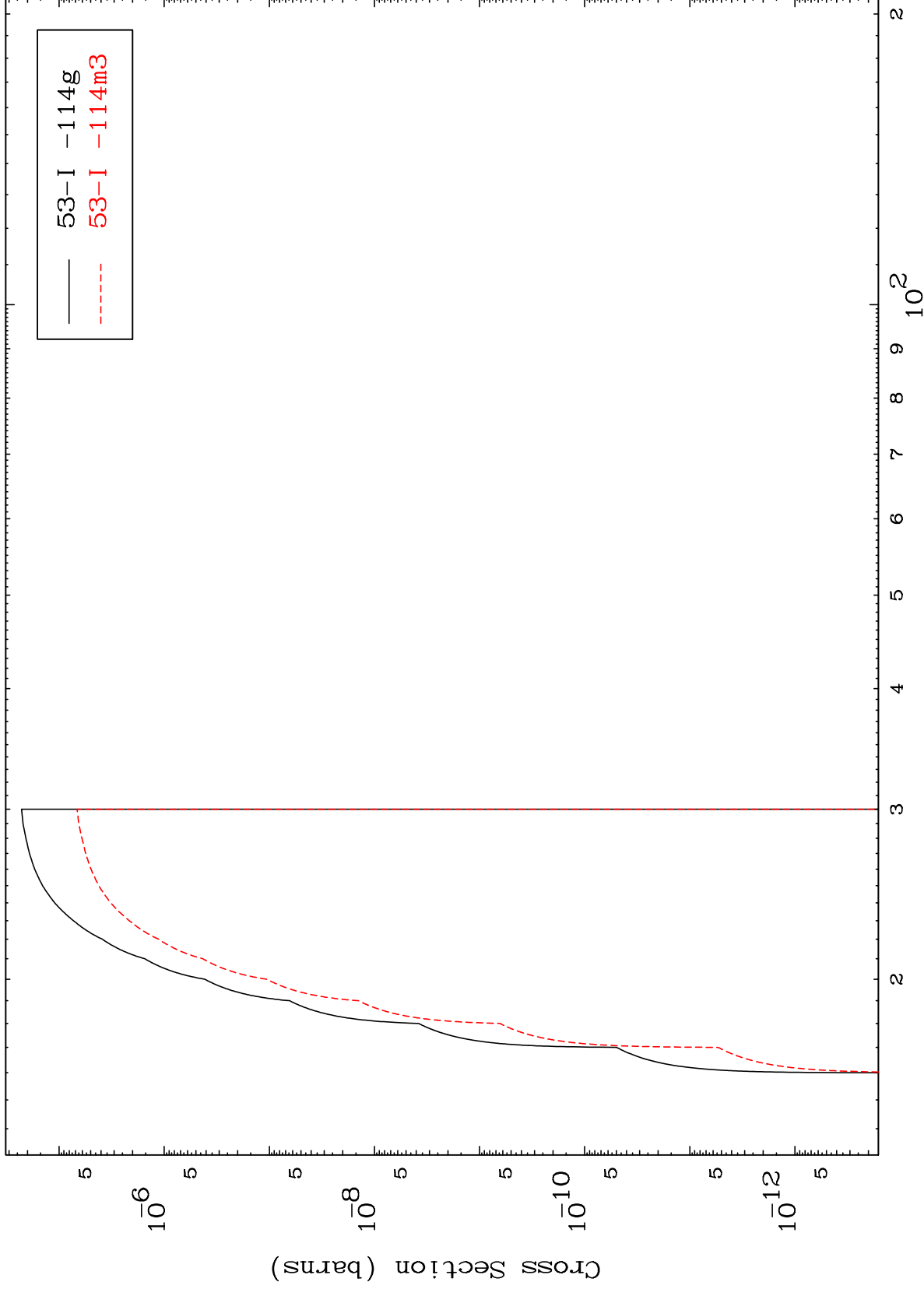
54-Xe-116

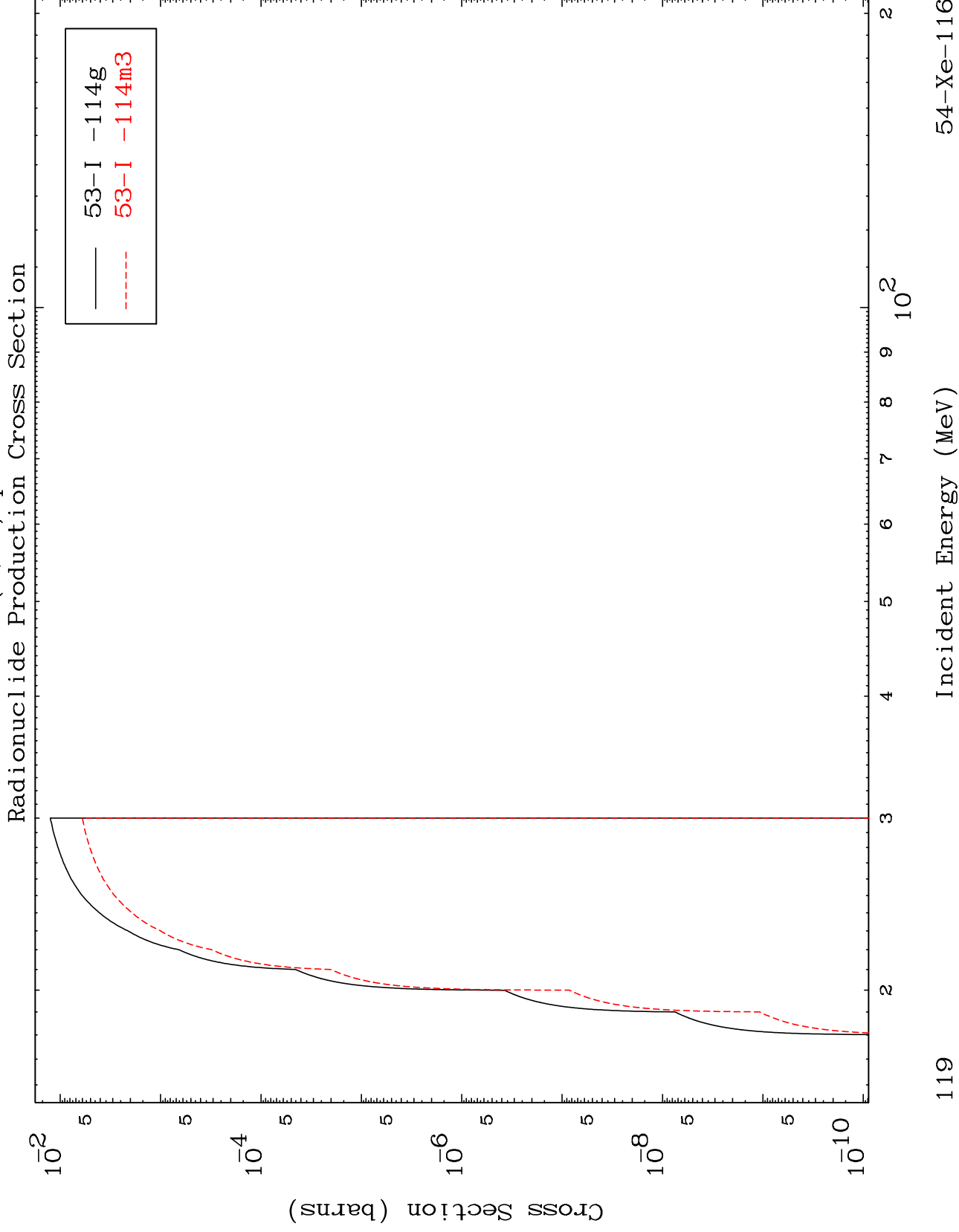
Incident Energy (MeV)

116



Radionuclide Production Cross Section

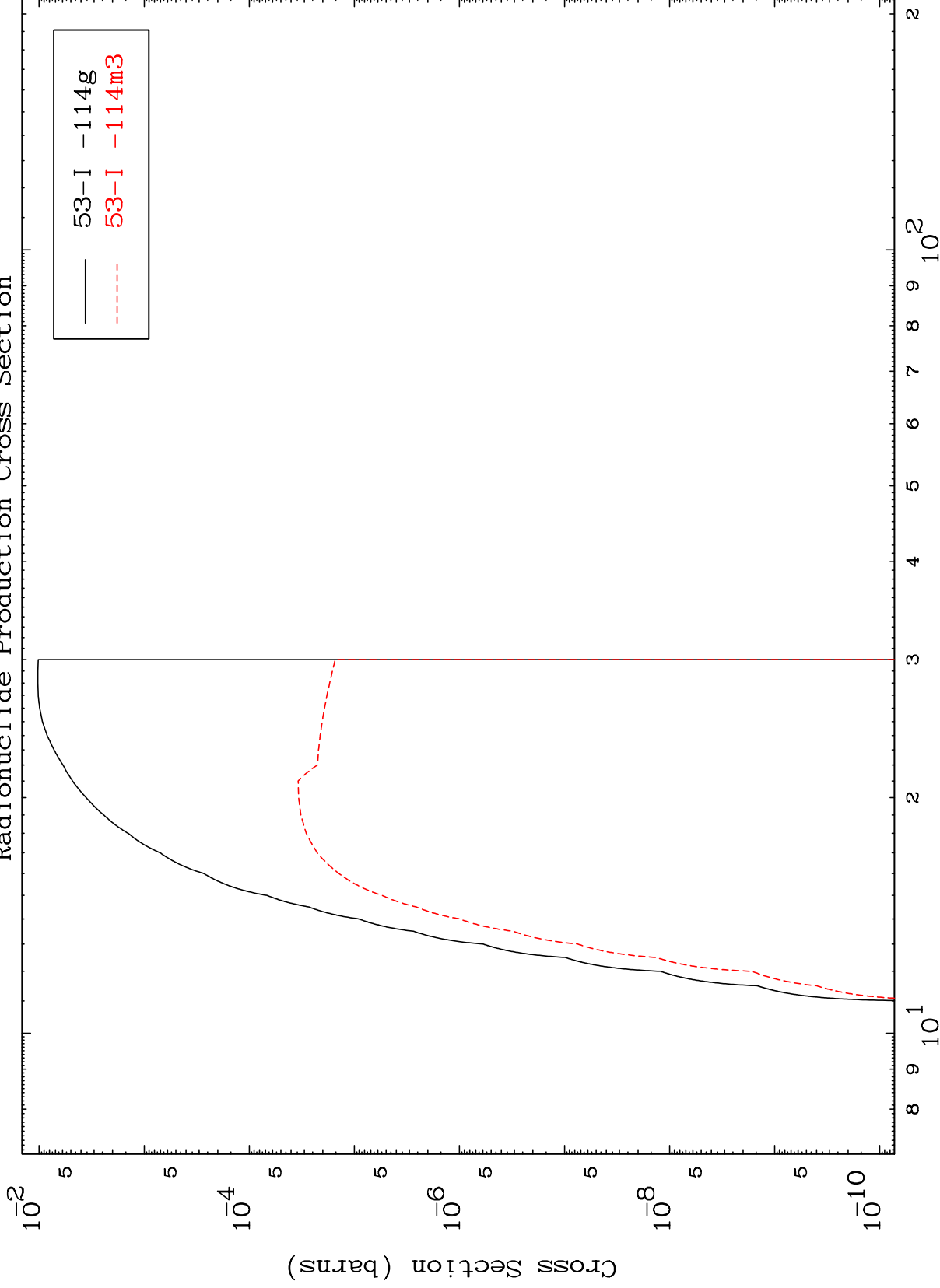




MAT 5401

54-Xe-116

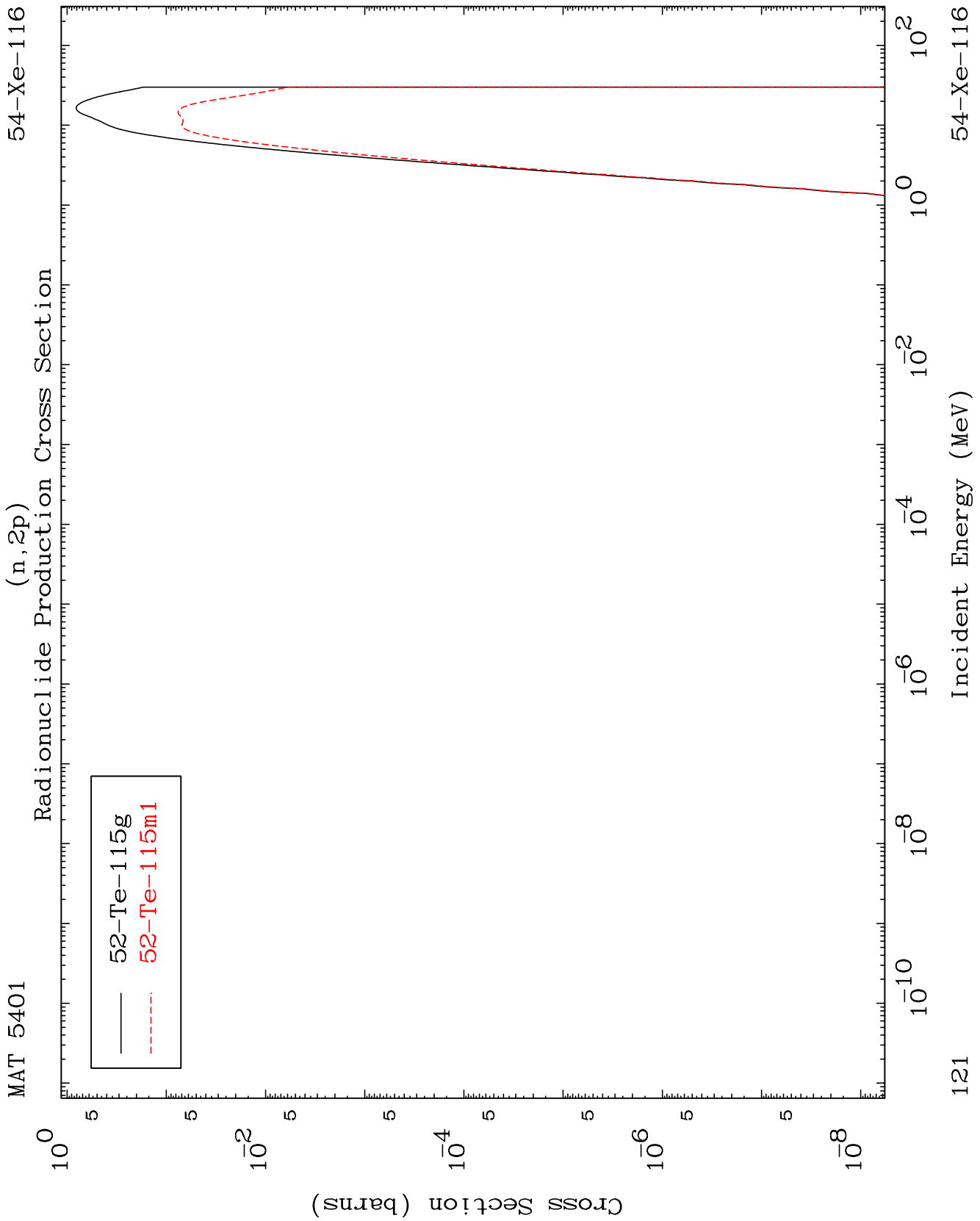
(n, t)
Radionuclide Production Cross Section



54-Xe-116

Incident Energy (MeV)

120



MAT 5401

(n,d) 2 α

54-Xe-116

Radionuclide Production Cross Section

