

Program EVALPLOT
(Version 2018-1)

by

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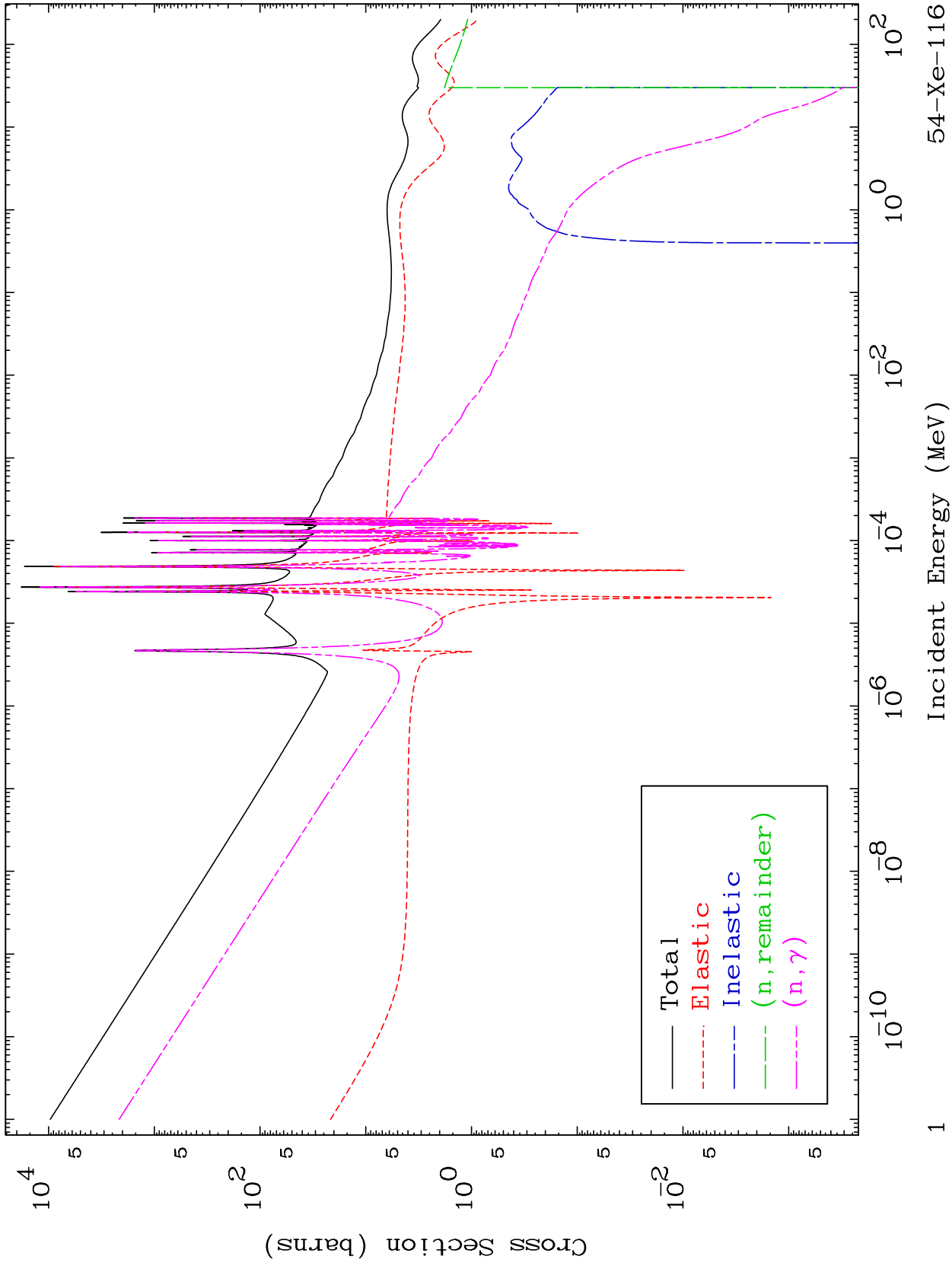
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5401

Major
293 Kelvin Cross Sections

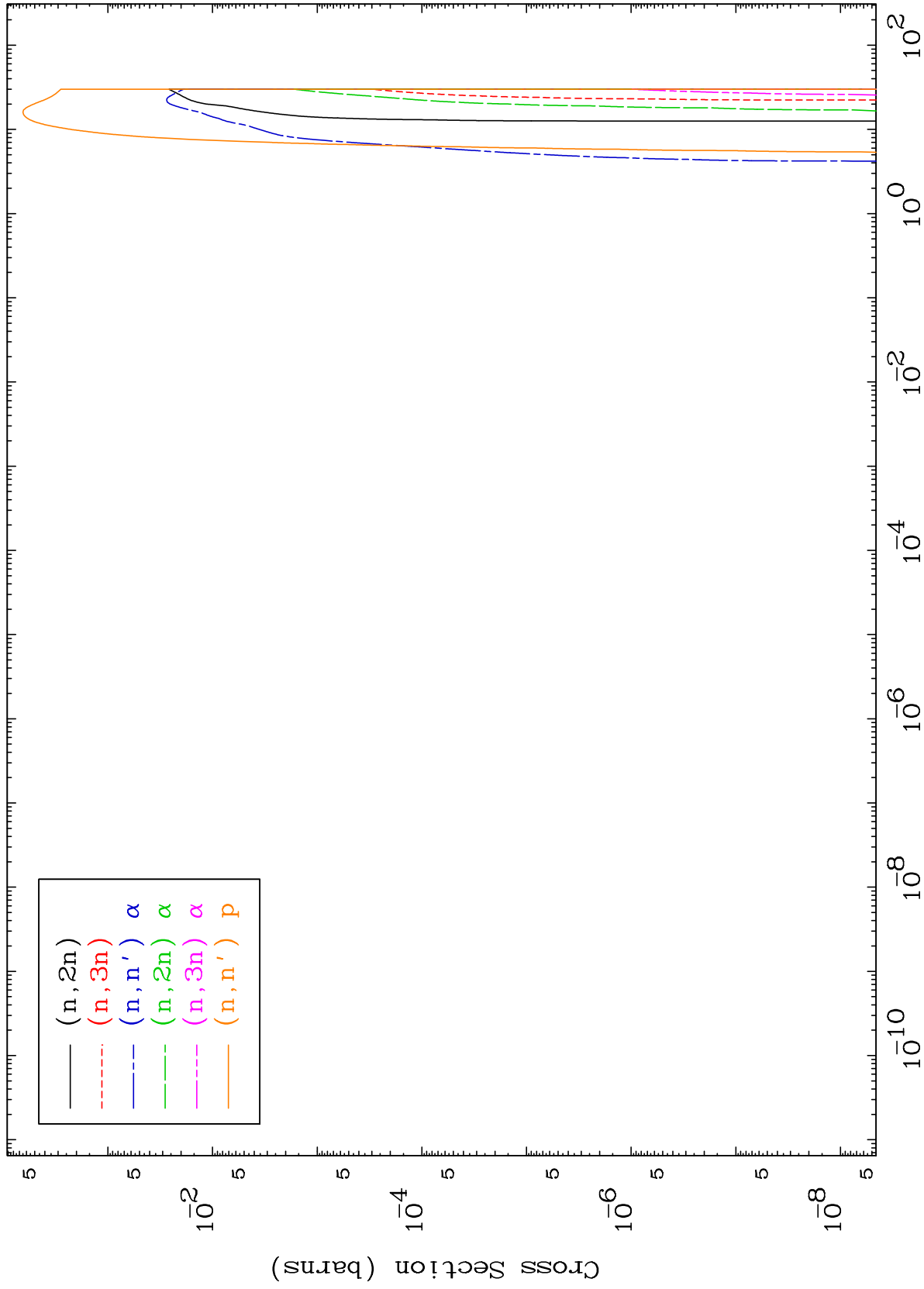
54-Xe-116



MAT 5401

Neutron Production
293 Kelvin Cross Sections

54-Xe-116



2

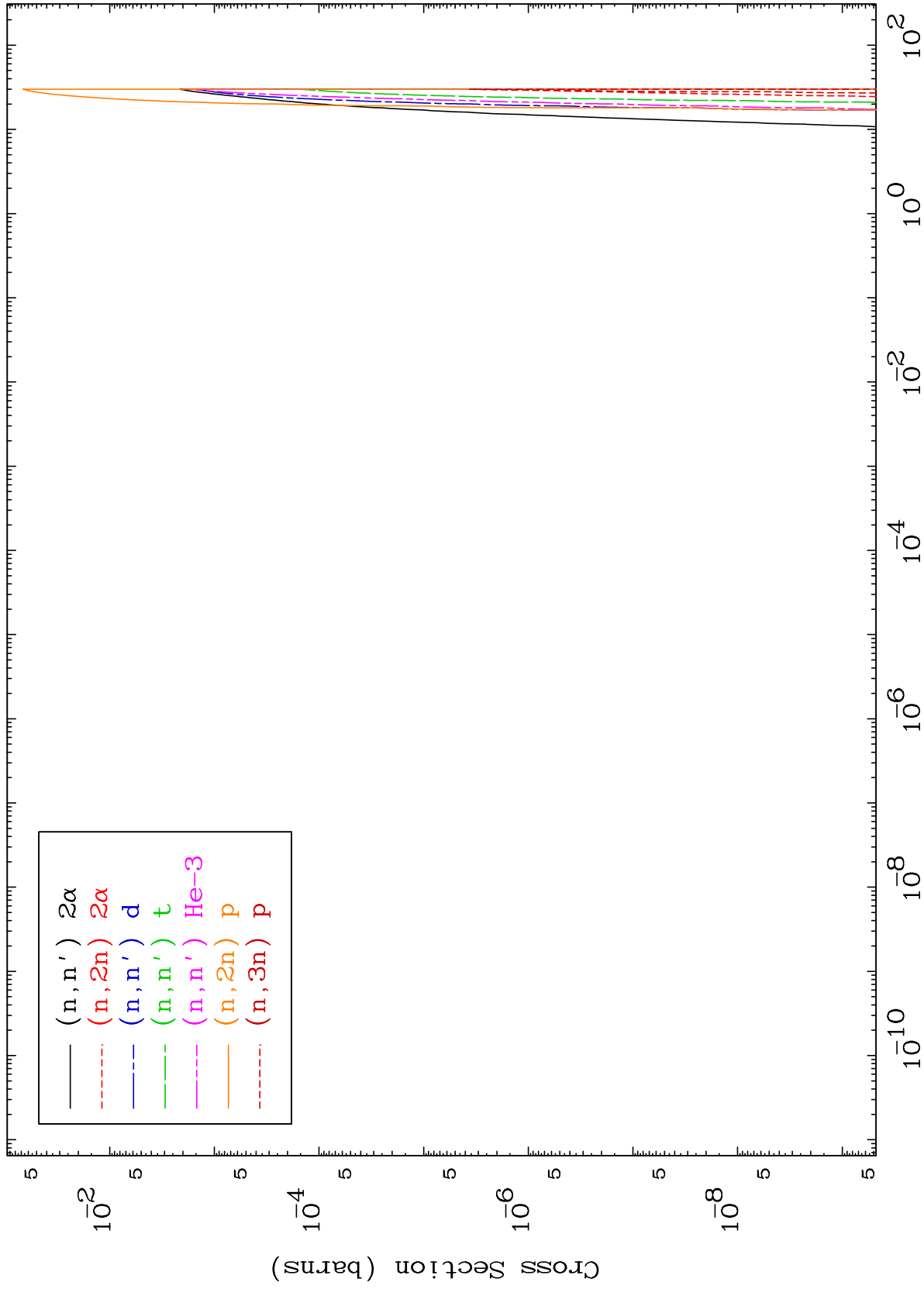
Incident Energy (MeV)

54-Xe-116

MAT 5401

Neutron Production
293 Kelvin Cross Sections

54-Xe-116



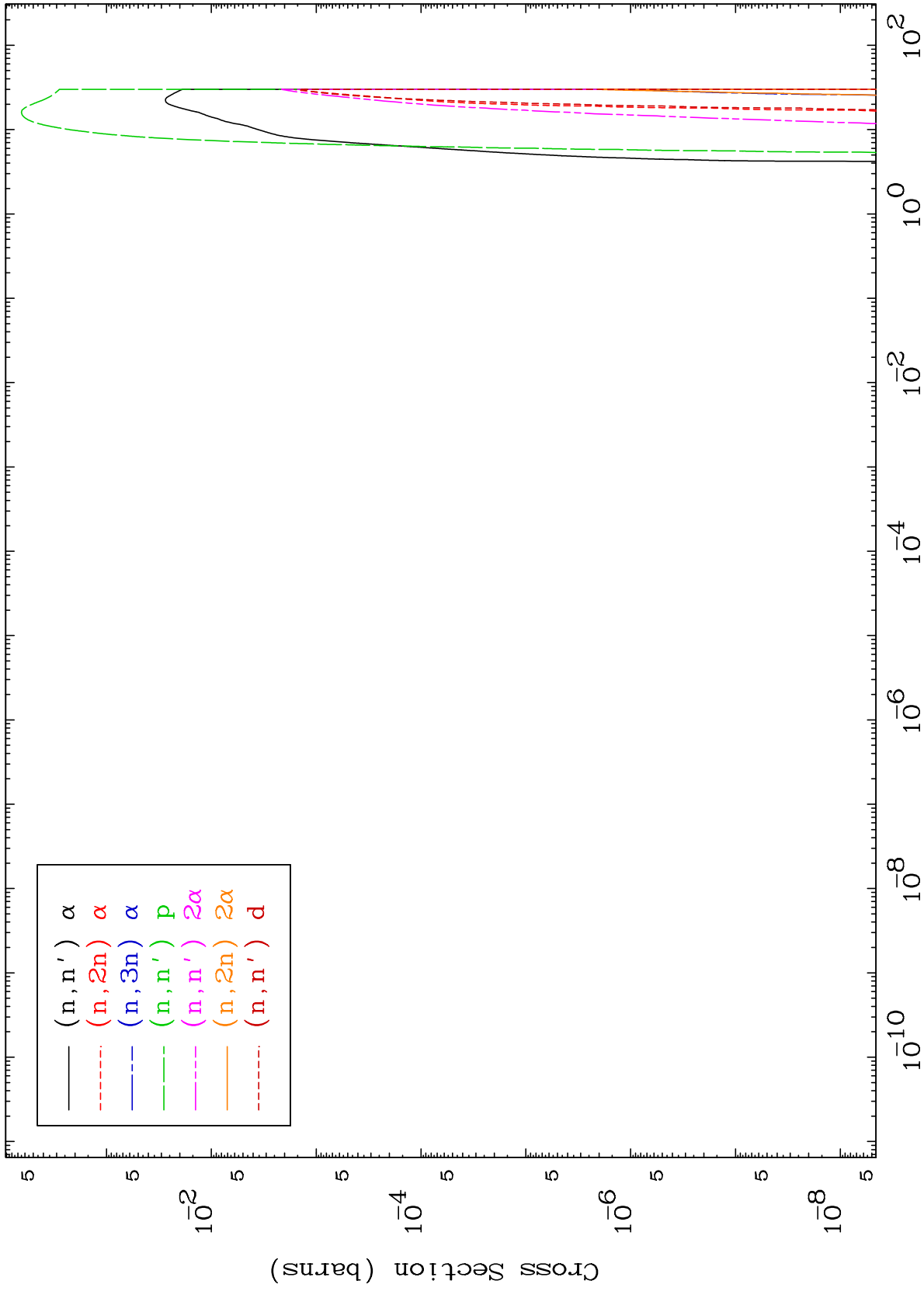
3

54-Xe-116

MAT 5401

293 Charged Particle
Kelvin Cross Sections

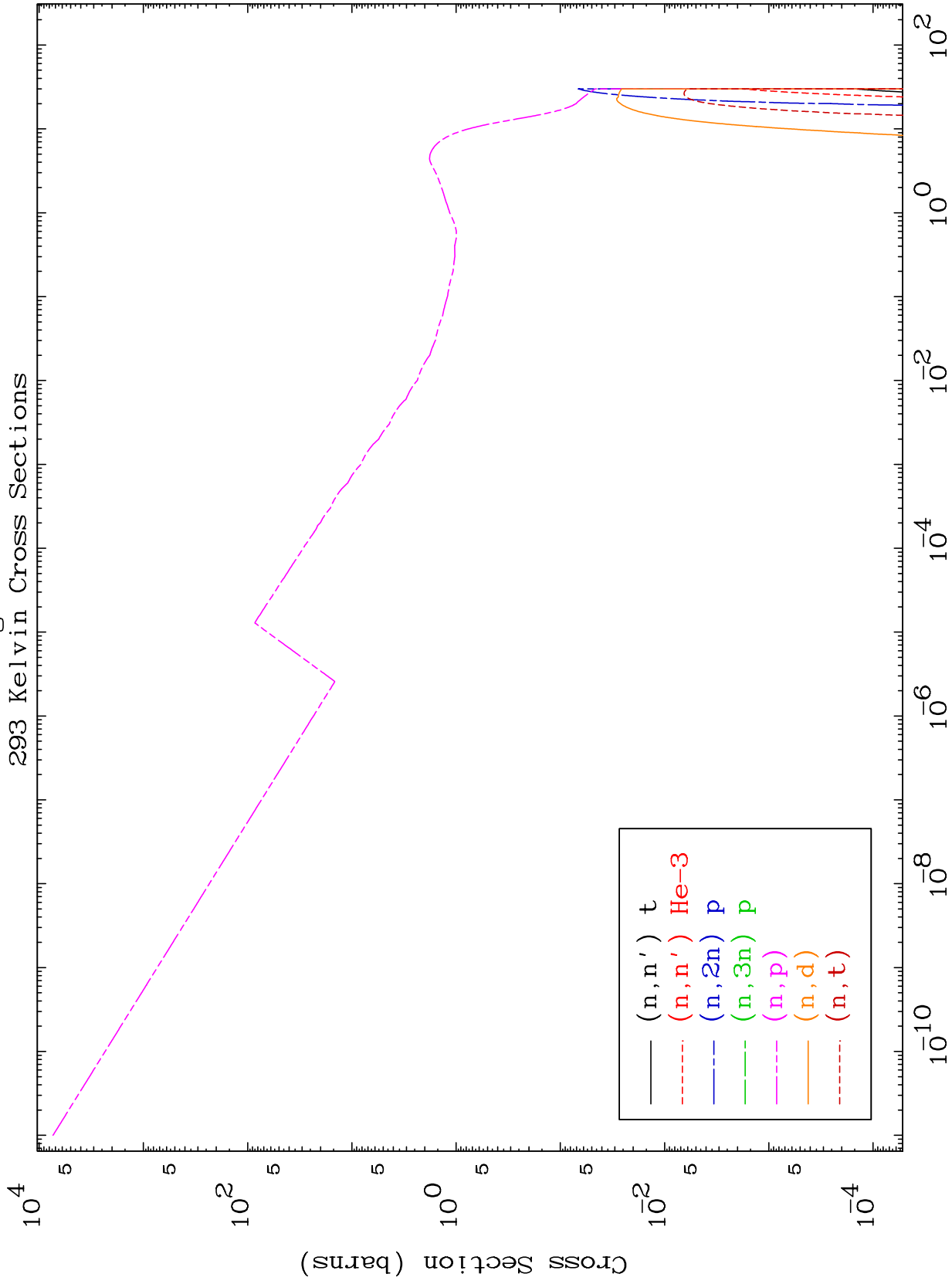
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MAT 5401

Charged Particle
293 Kelvin Cross Sections

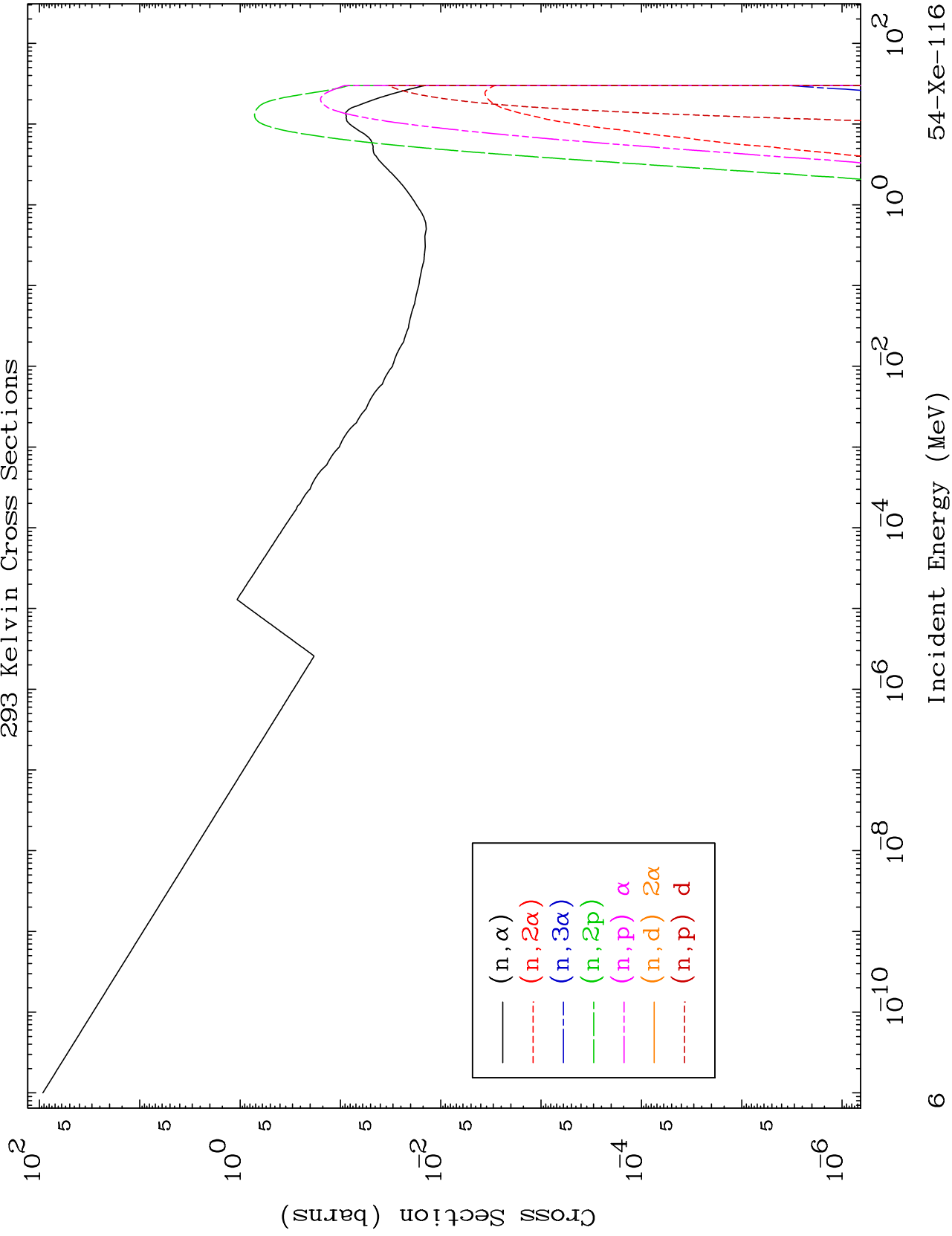
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MAT 5401

Charged Particle
293 Kelvin Cross Sections

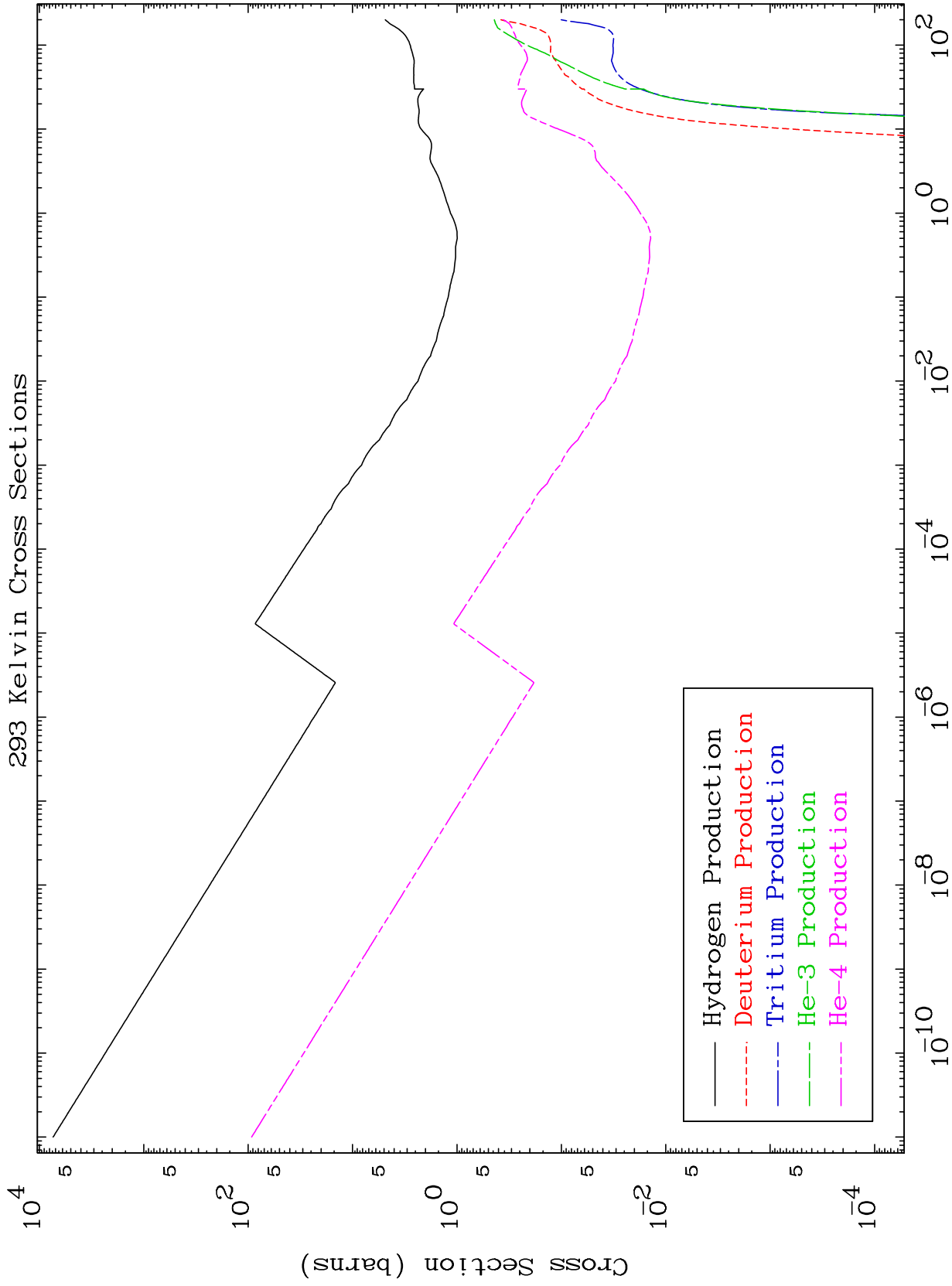
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MAT 5401

Particle Production
293 Kelvin Cross Sections

54-Xe-116

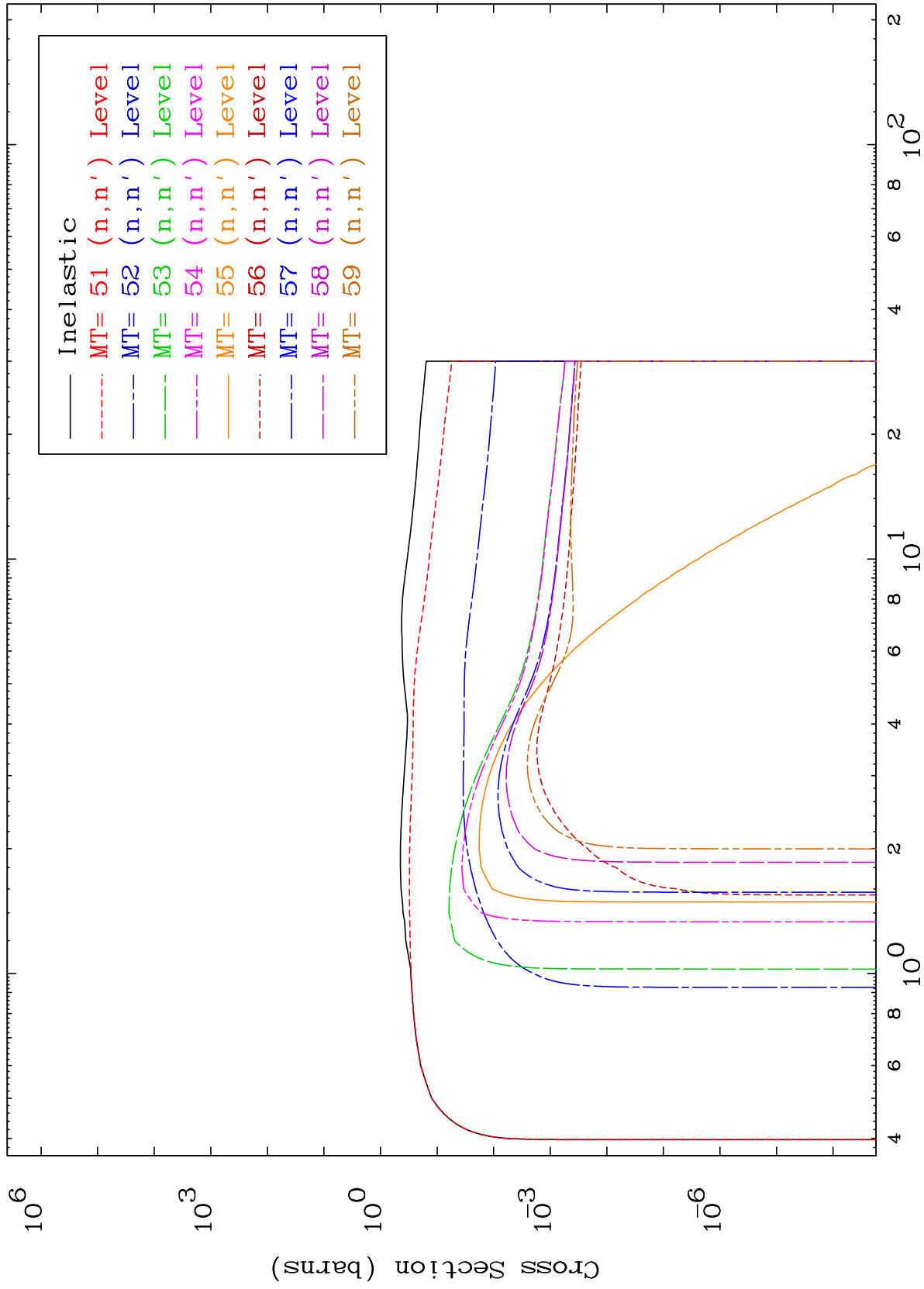


MAT 5401

(n,n') Level

54-Xe-116

293 Kelvin Cross Sections



8

Incident Energy (MeV)

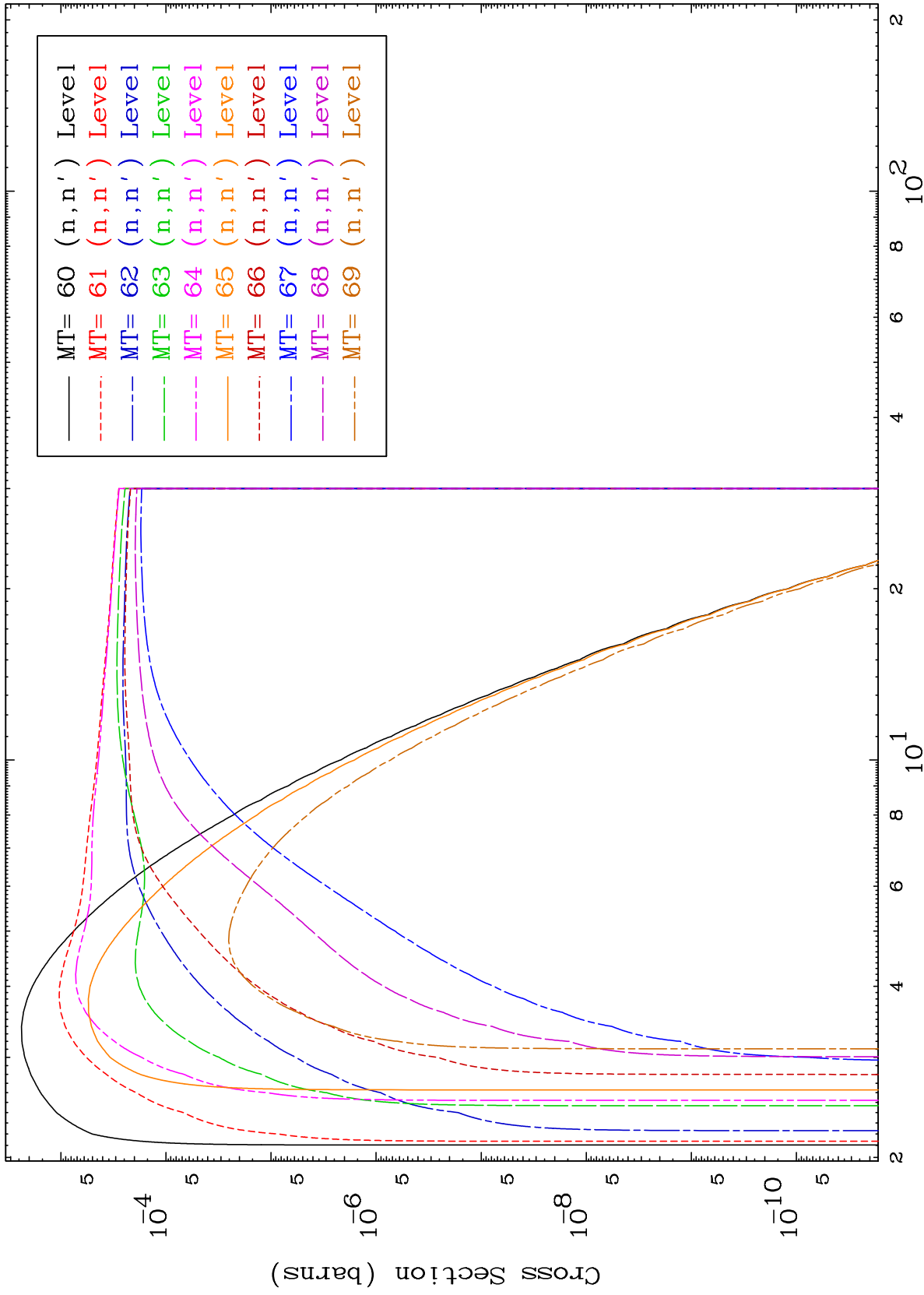
54-Xe-116

MAT 5401

(n,n') Level

54-Xe-116

293 Kelvin Cross Sections



9

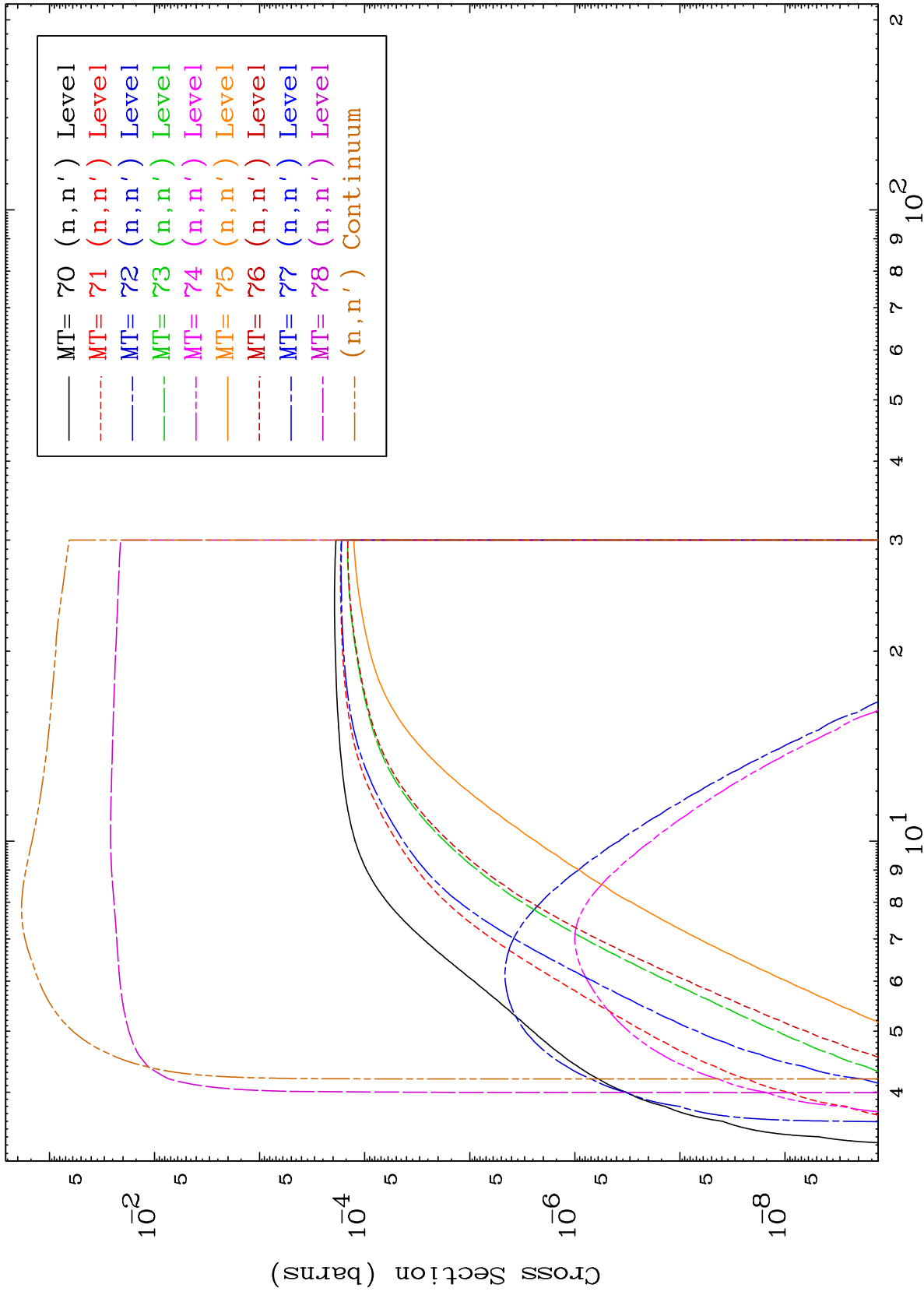
Incident Energy (MeV)

54-Xe-116

MAT 5401

(n,n') Level
293 Kelvin Cross Sections

54-Xe-116



10

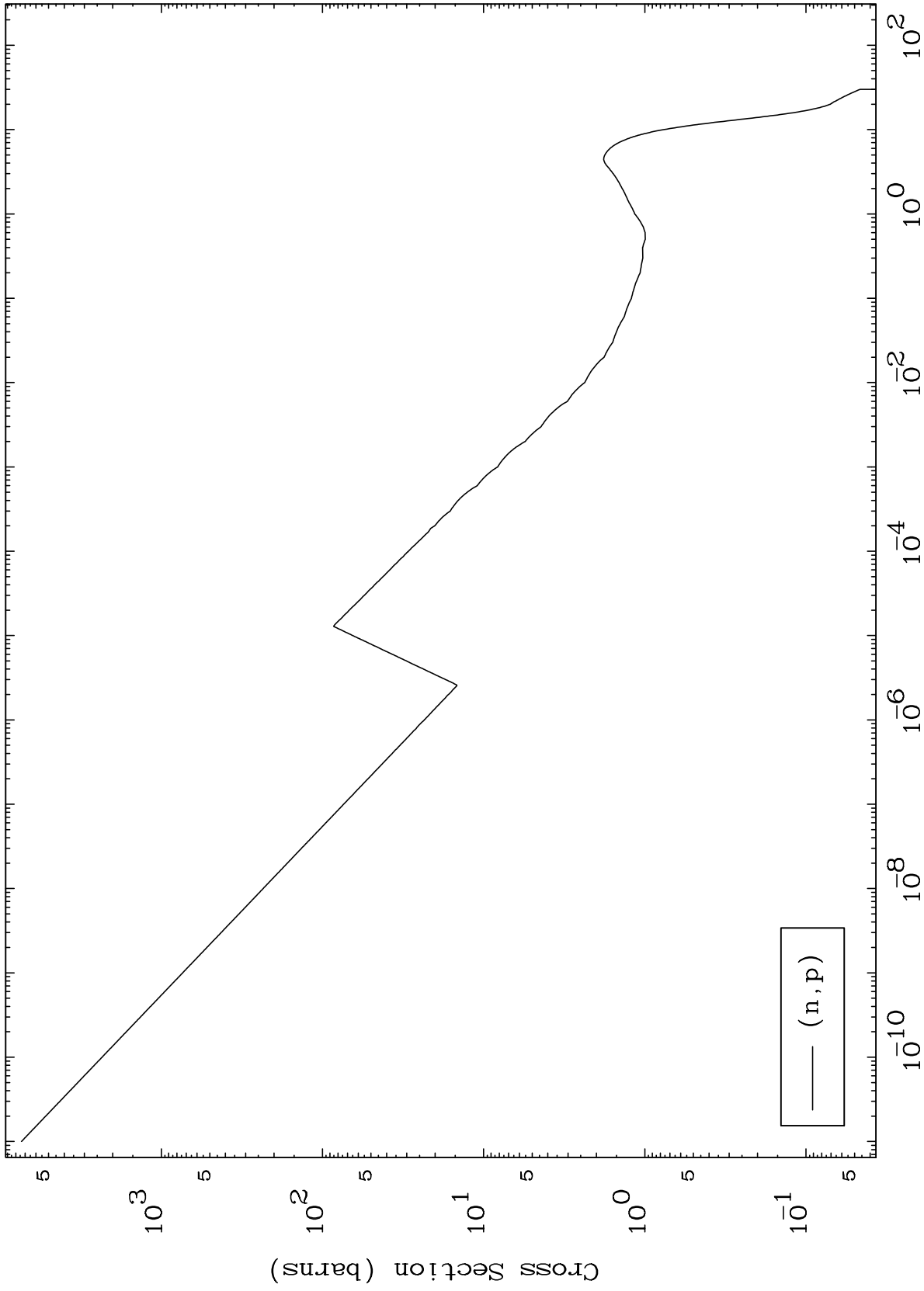
Incident Energy (MeV)

54-Xe-116

MAT 5401

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-116

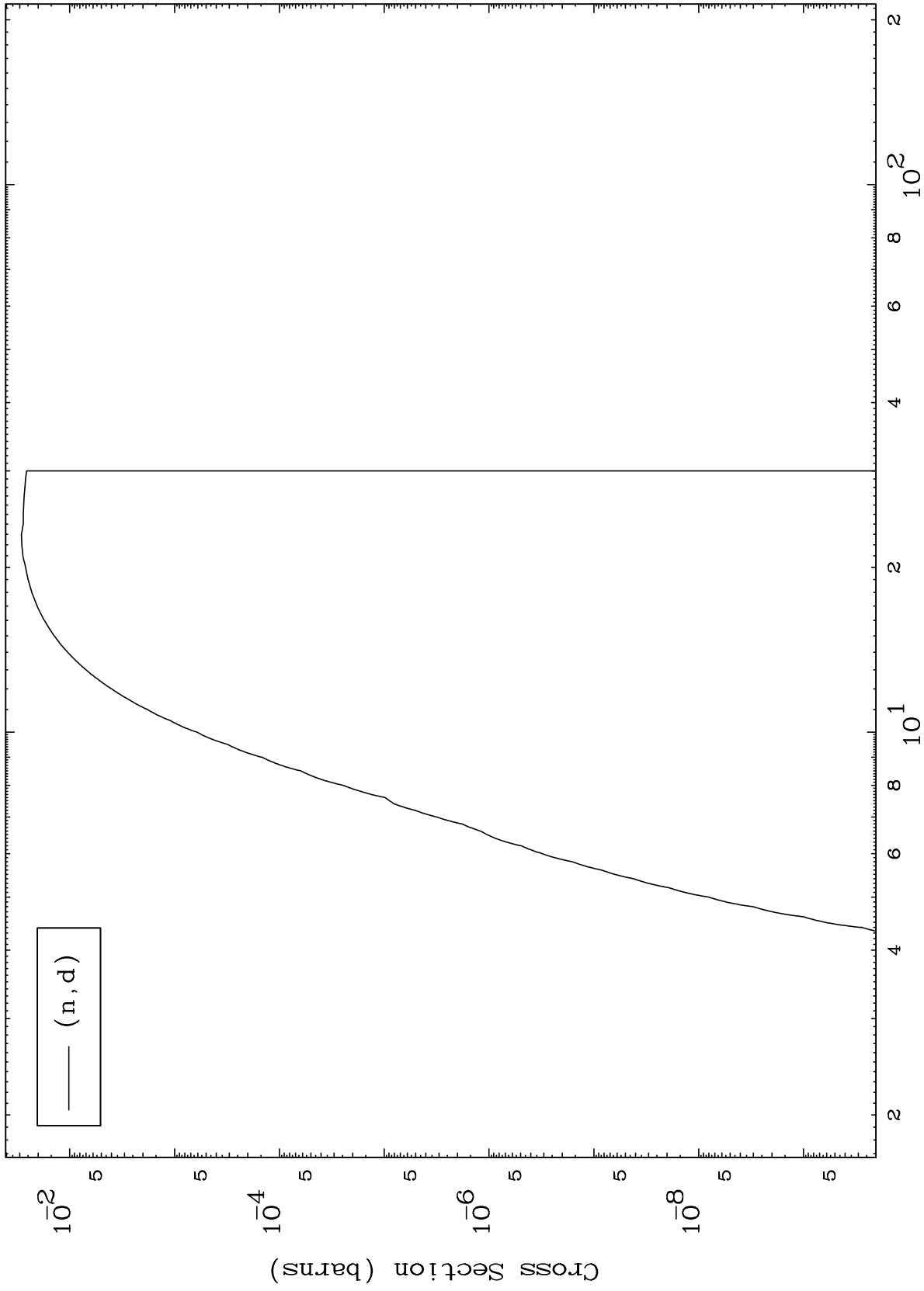


— (n, p)

MAT 5401

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-116



12

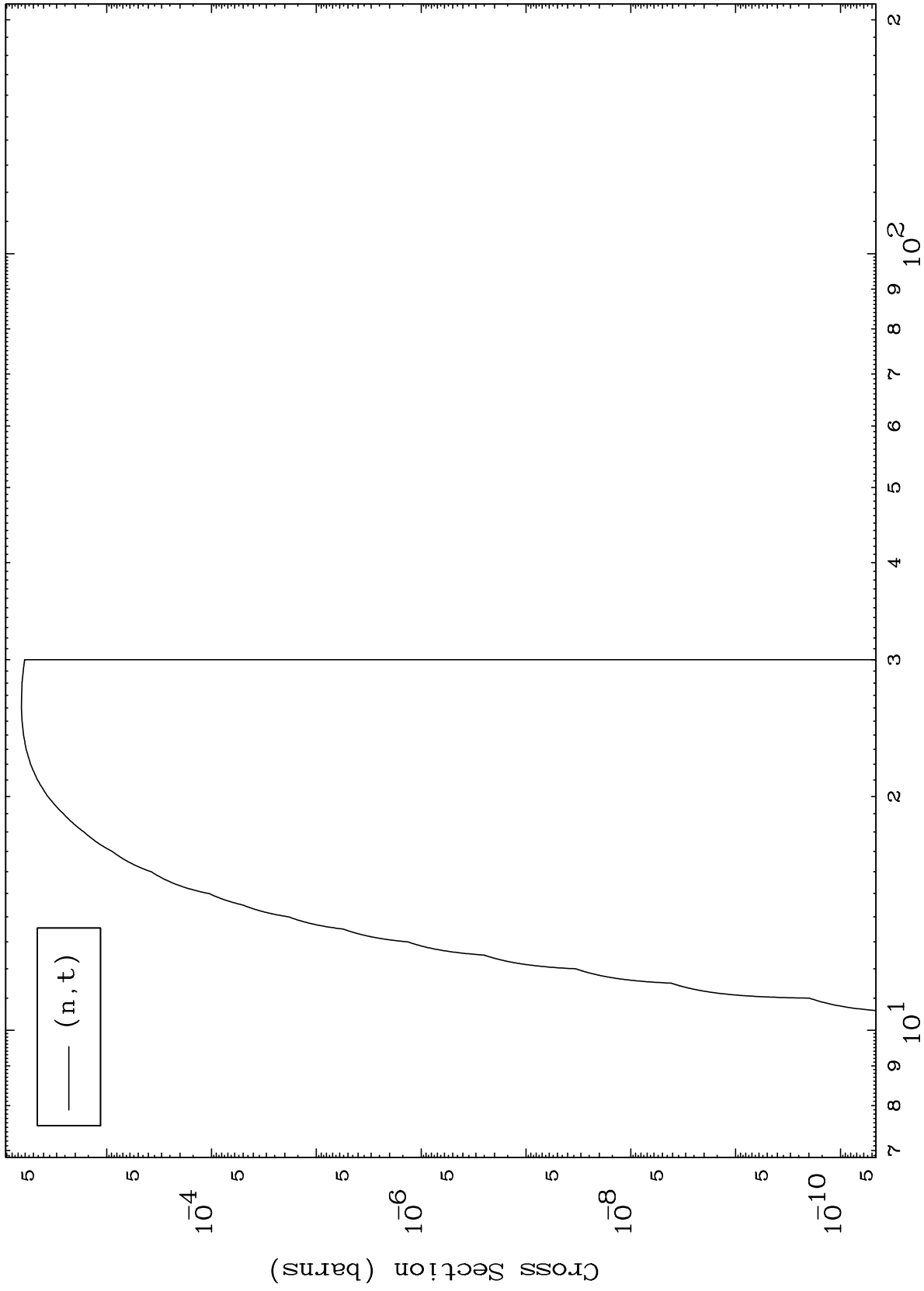
Incident Energy (MeV)

54-Xe-116

MAT 5401

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-116



13

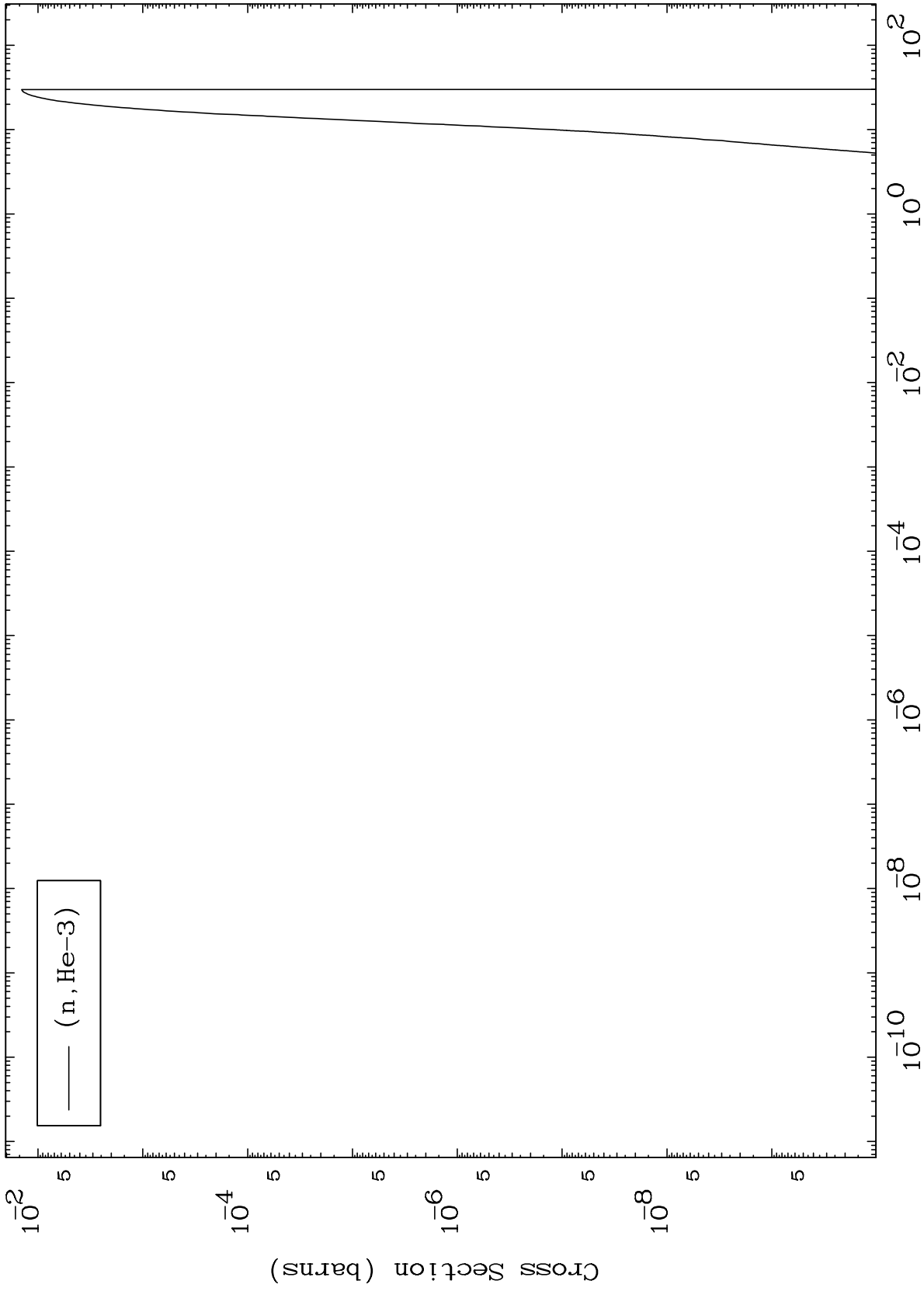
Incident Energy (MeV)

54-Xe-116

MAT 5401

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-116



14

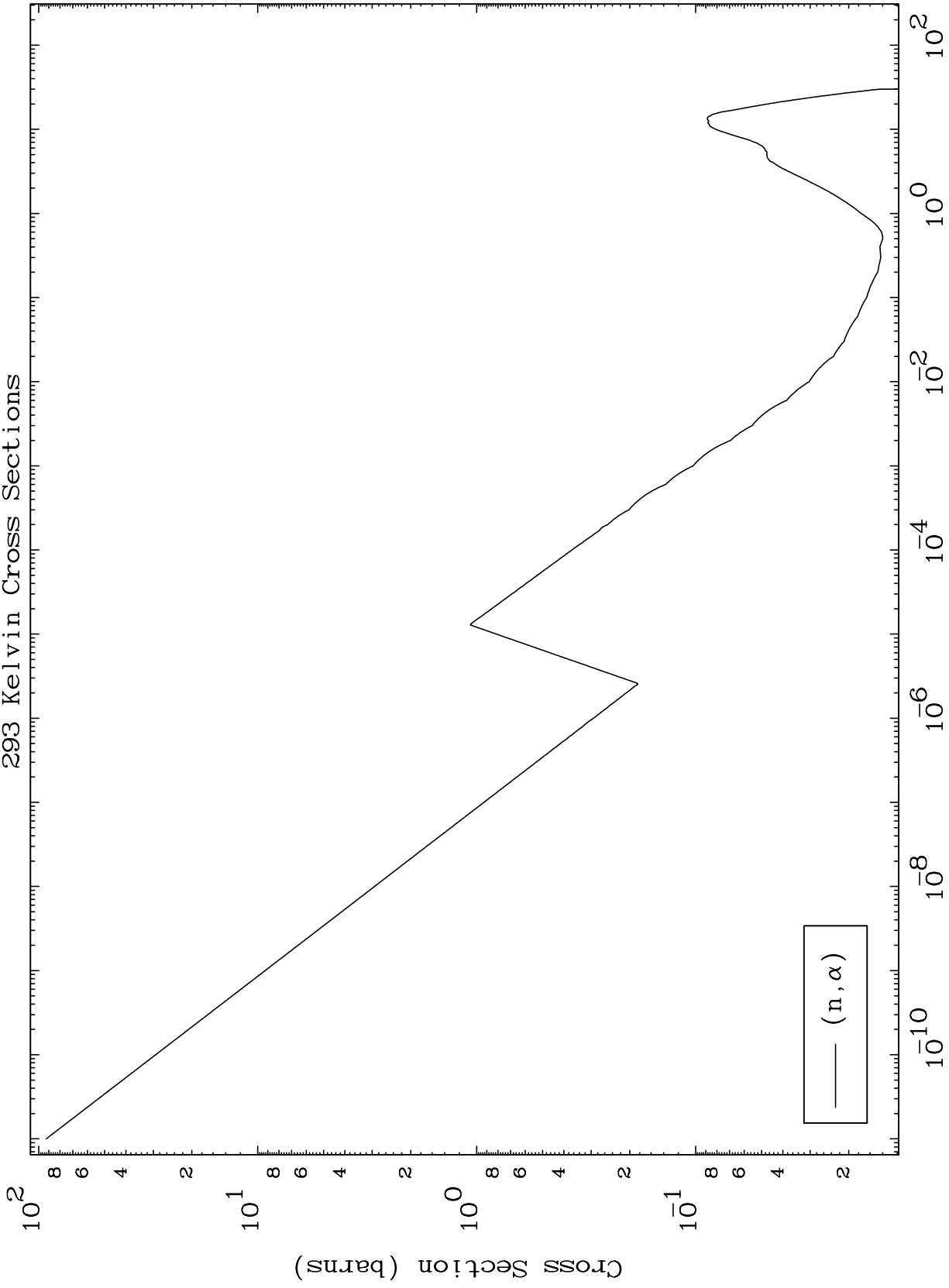
Incident Energy (MeV)

54-Xe-116

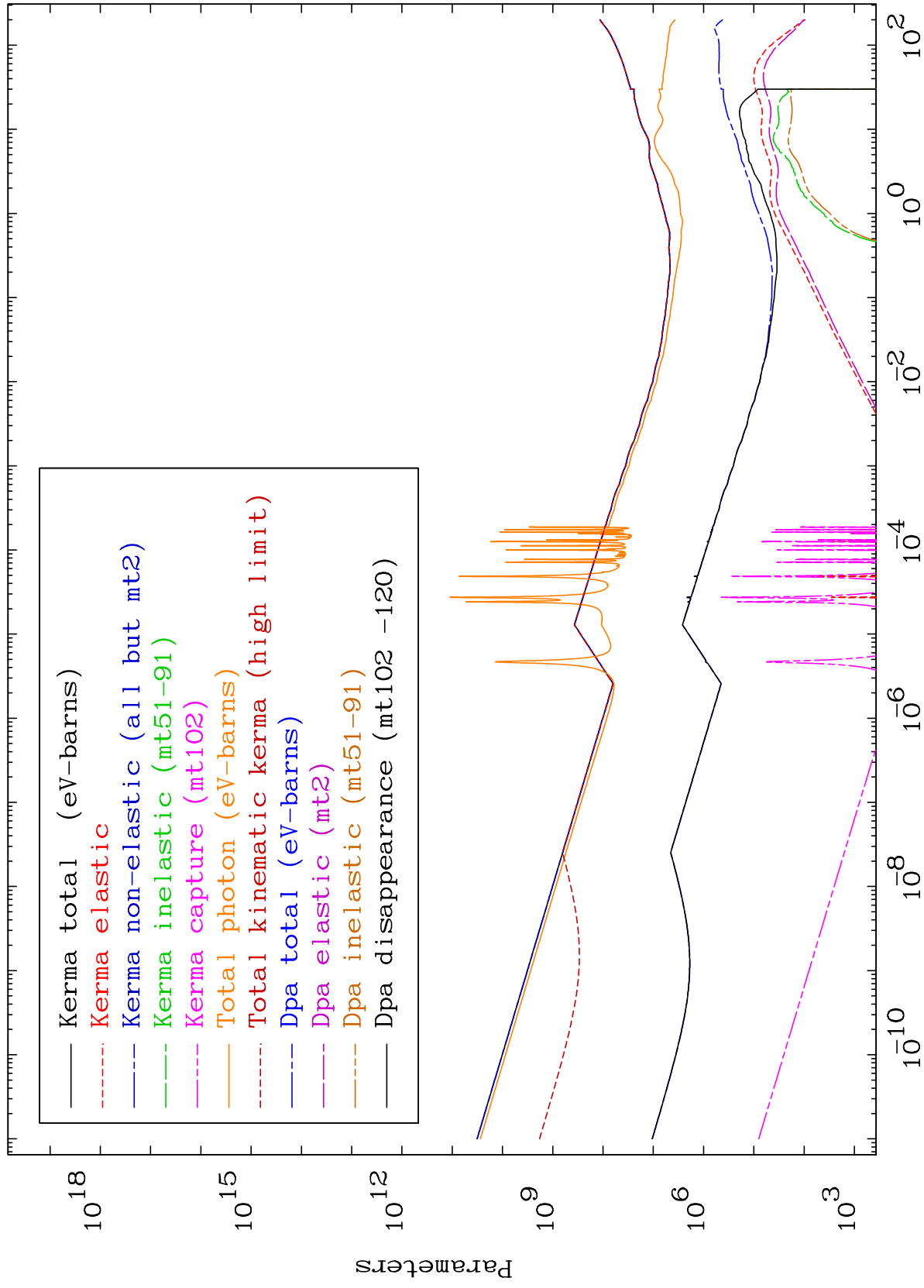
MAT 5401

(n,α) Levels
293 Kelvin Cross Sections

54-Xe-116



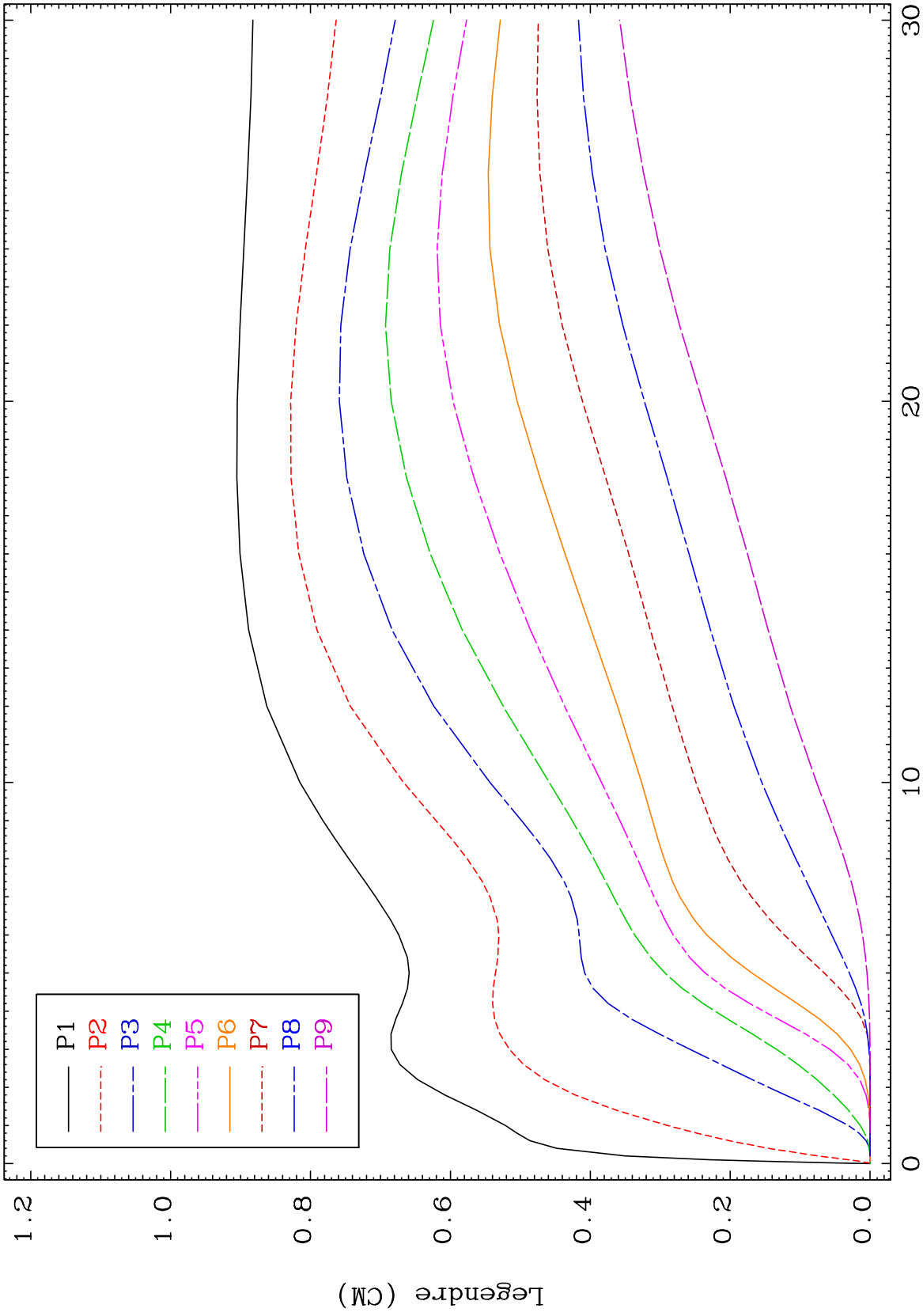
— (n,α)



MAT 5401

Elastic Legendre Coefficients

54-Xe-116



17

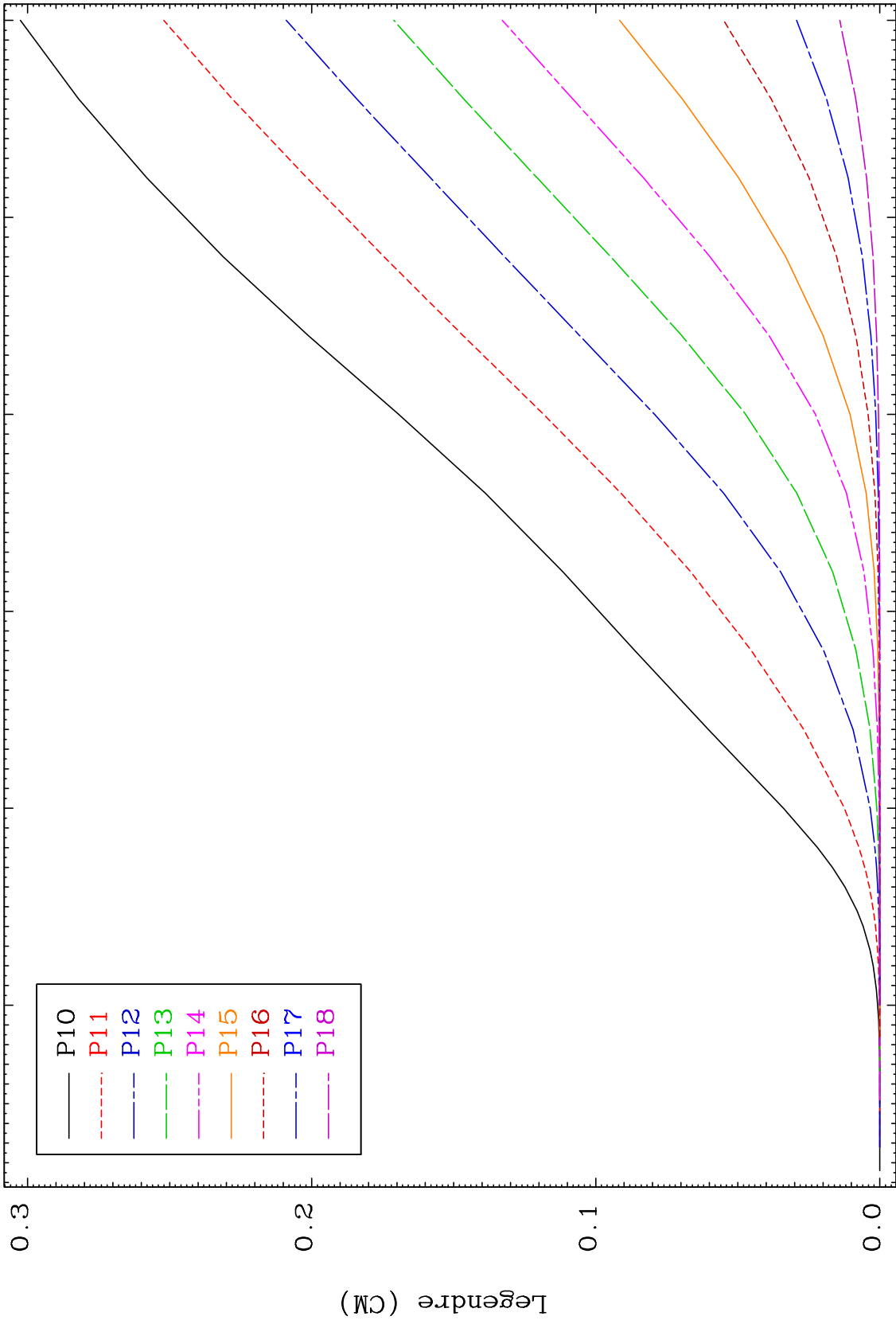
Incident Energy (MeV)

54-Xe-116

MAT 5401

Elastic Legendre Coefficients

54-Xe-116



18

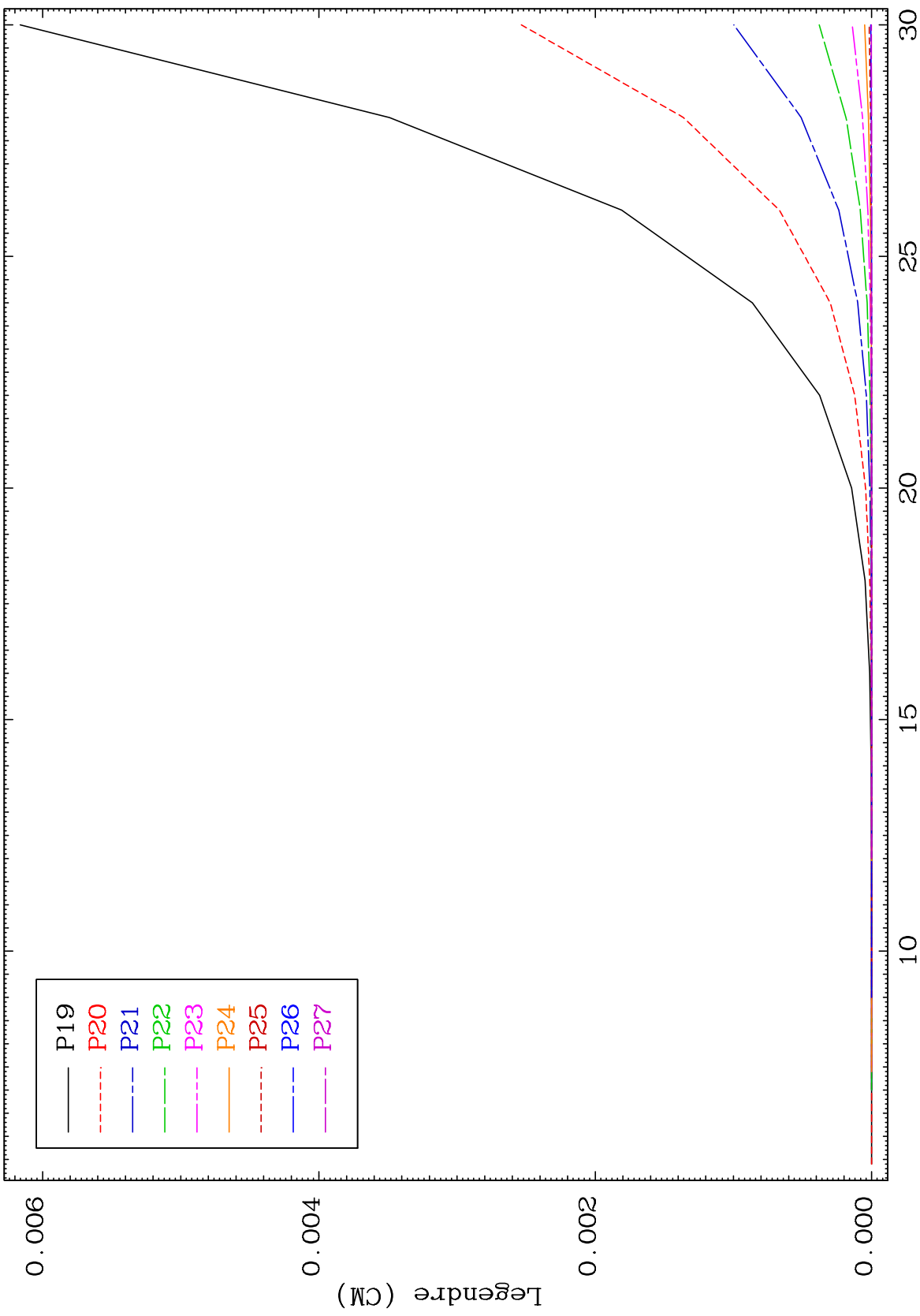
Incident Energy (MeV)

54-Xe-116

MAT 5401

Elastic Legendre Coefficients

54-Xe-116



19

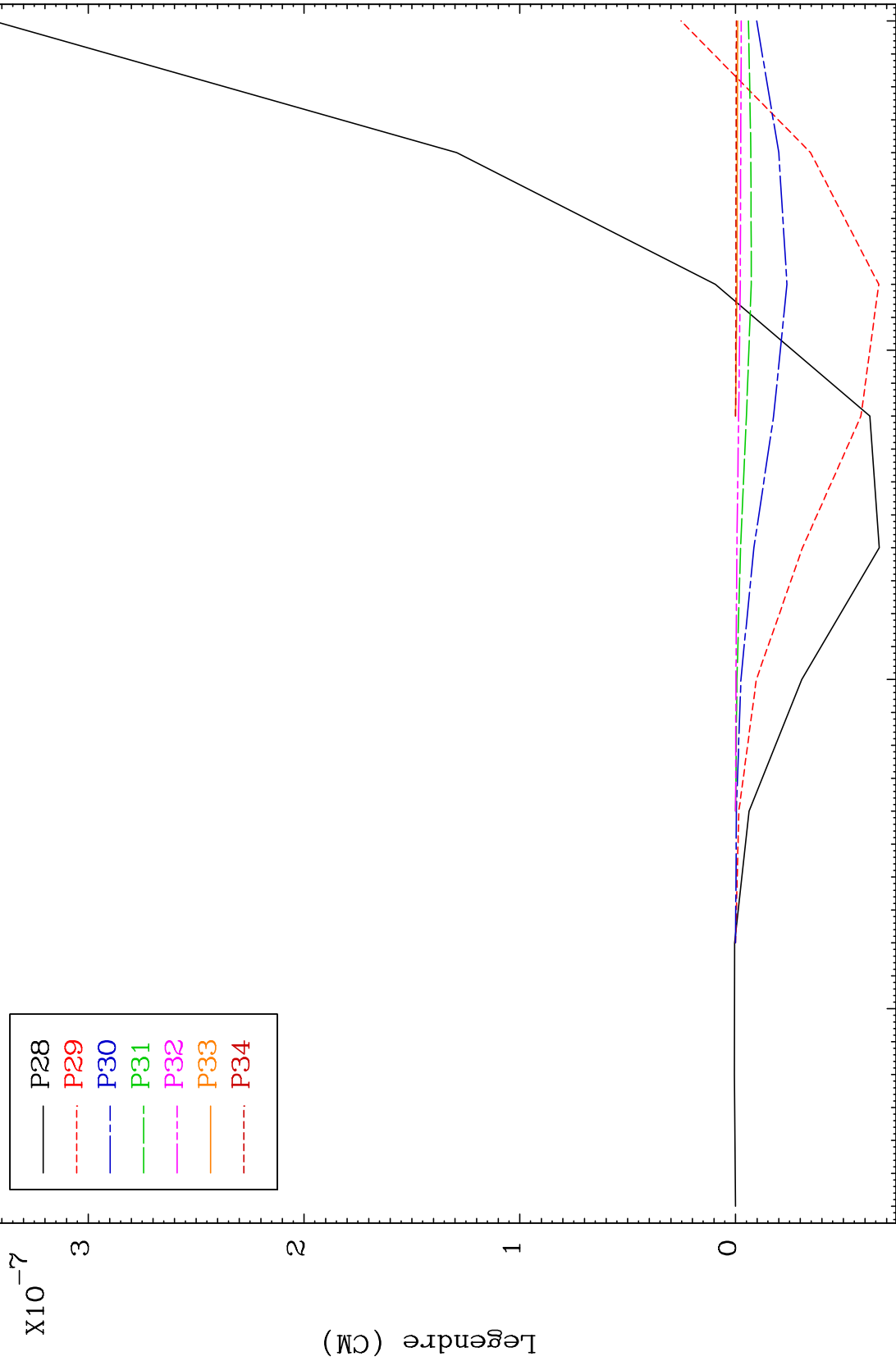
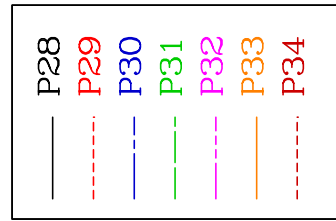
Incident Energy (MeV)

54-Xe-116

MAT 5401

Elastic Legendre Coefficients

54-Xe-116



20

15

20

Incident Energy (MeV)

25

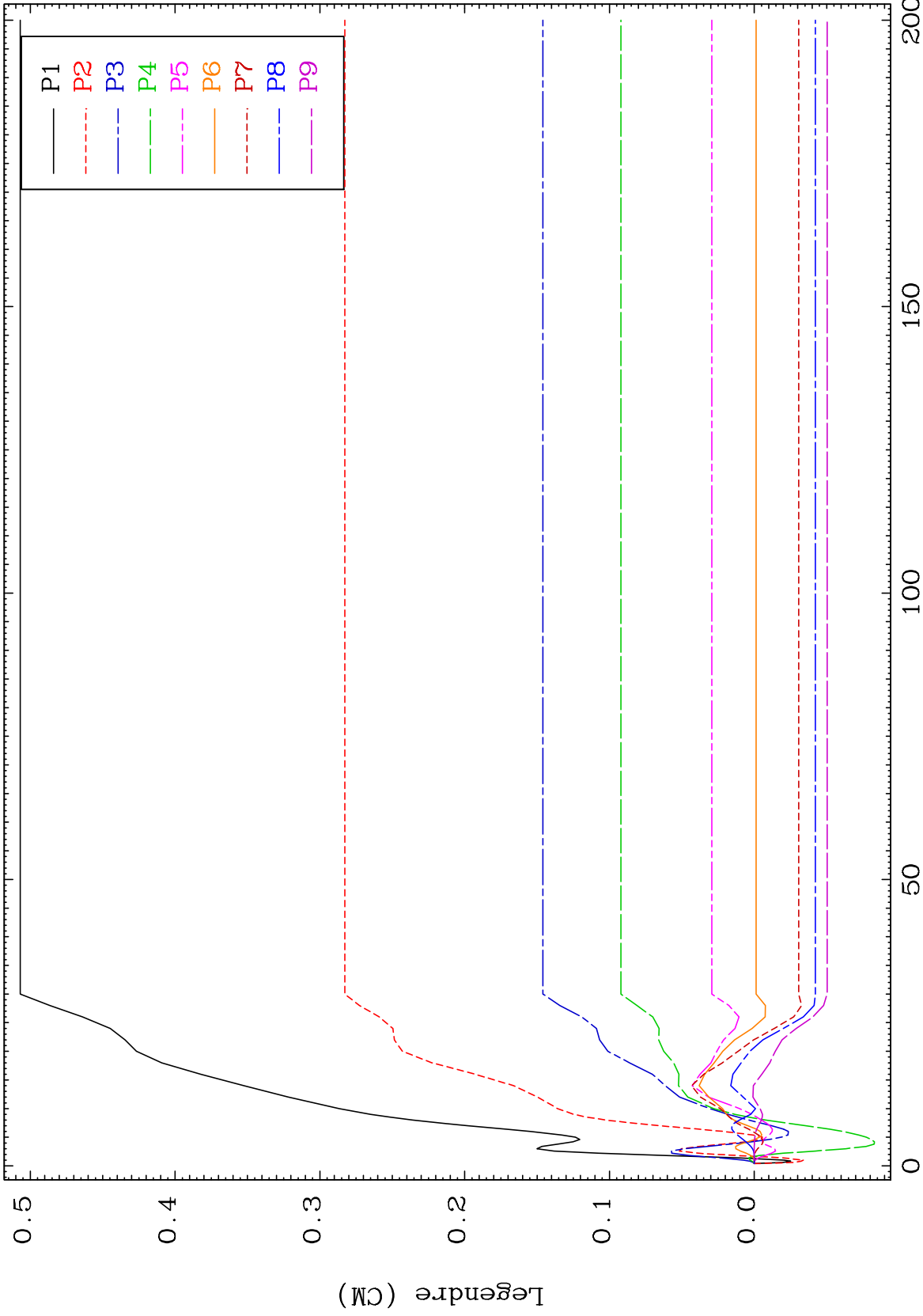
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54-Xe-116

MAT 5401

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

54-Xe-116



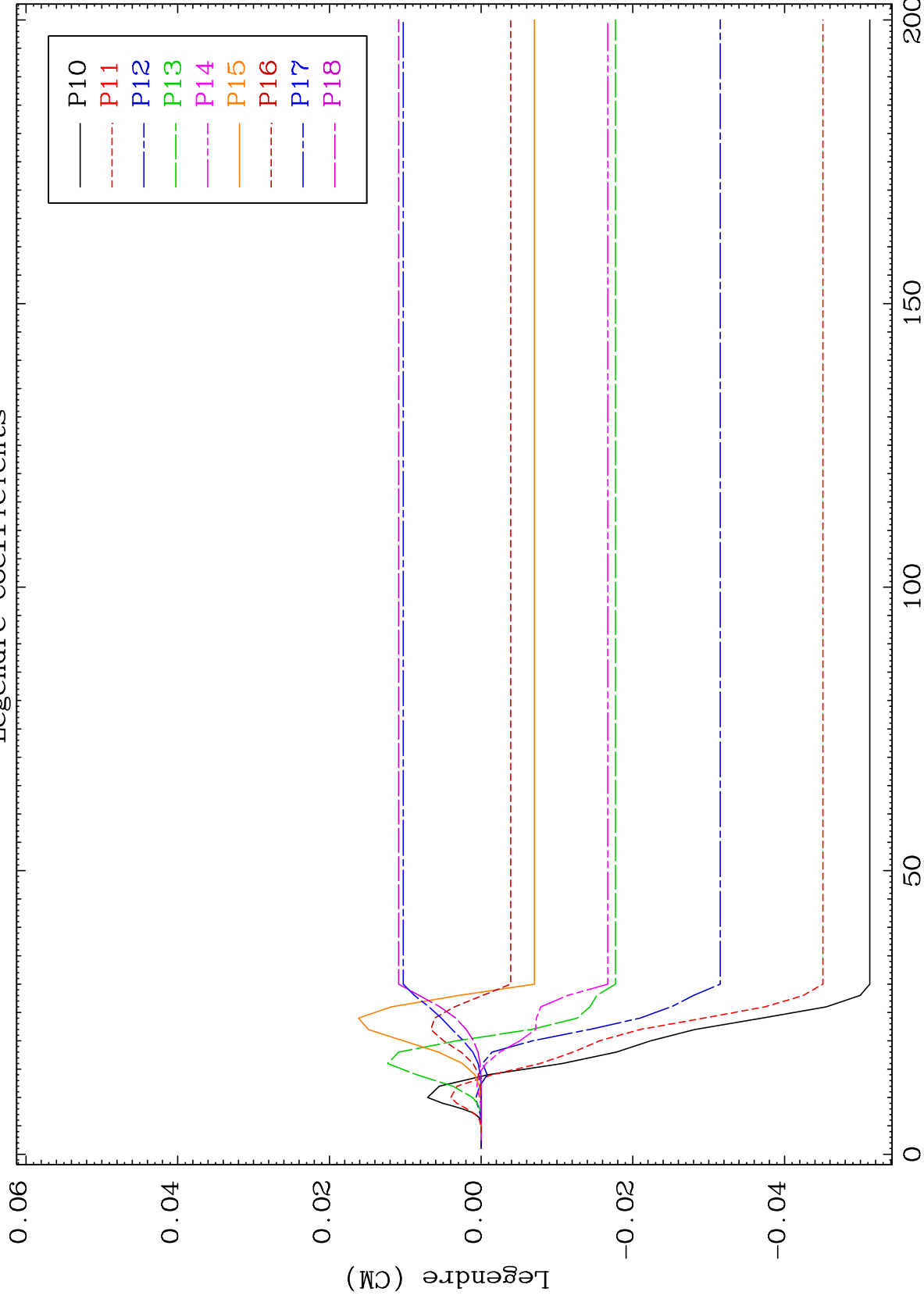
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54-Xe-116

MAT 5401

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

54-Xe-116



22

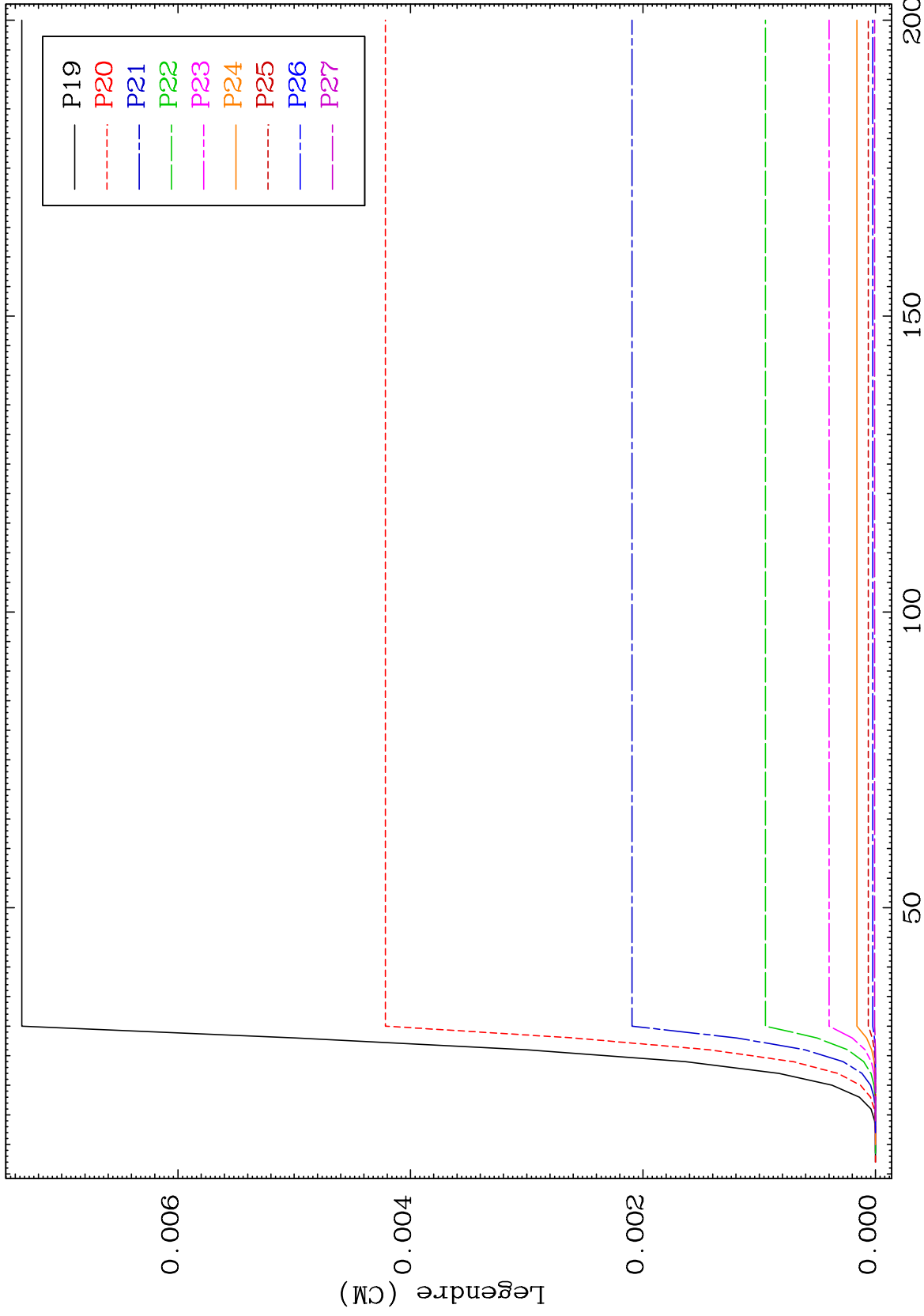
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



23

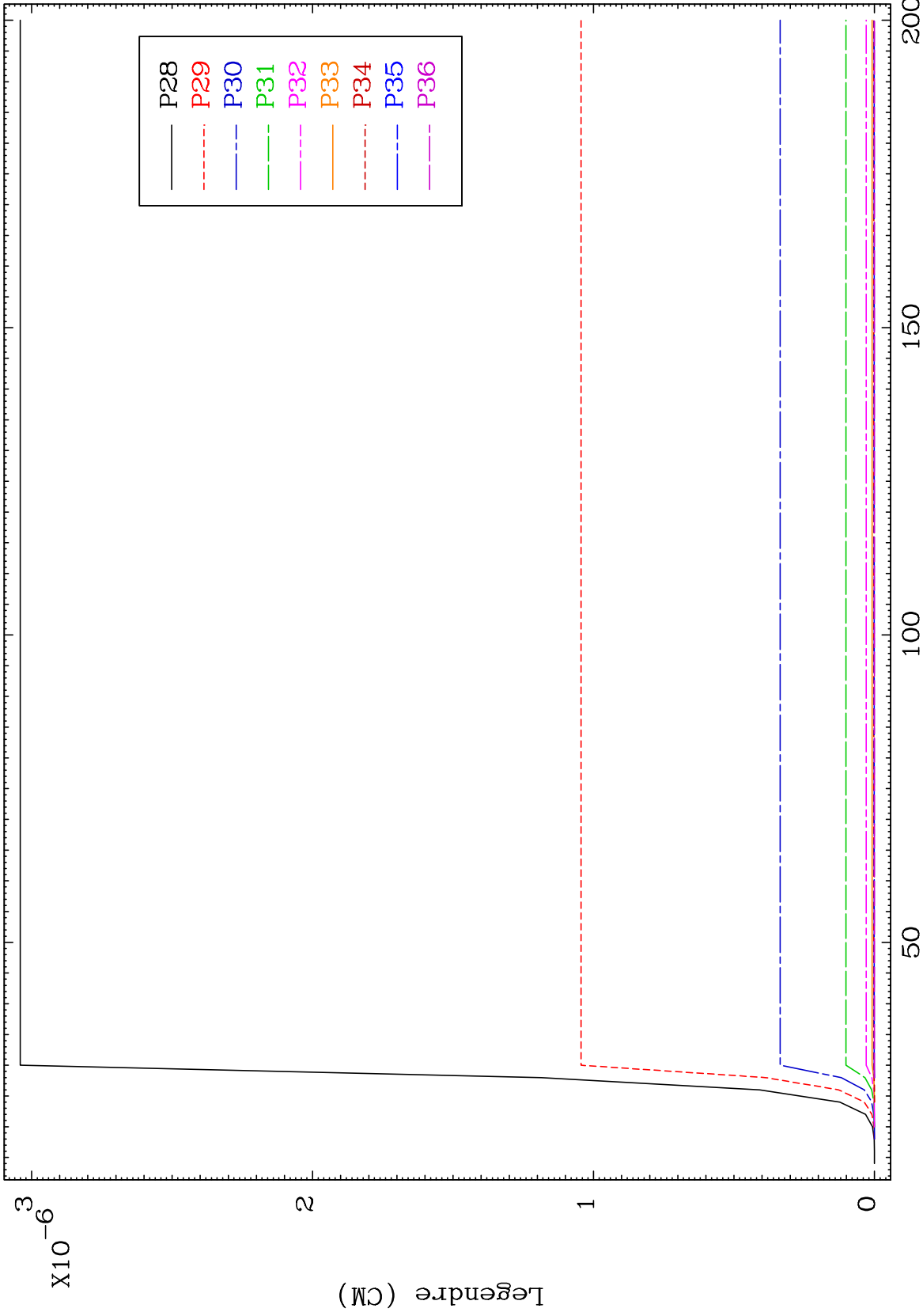
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



24

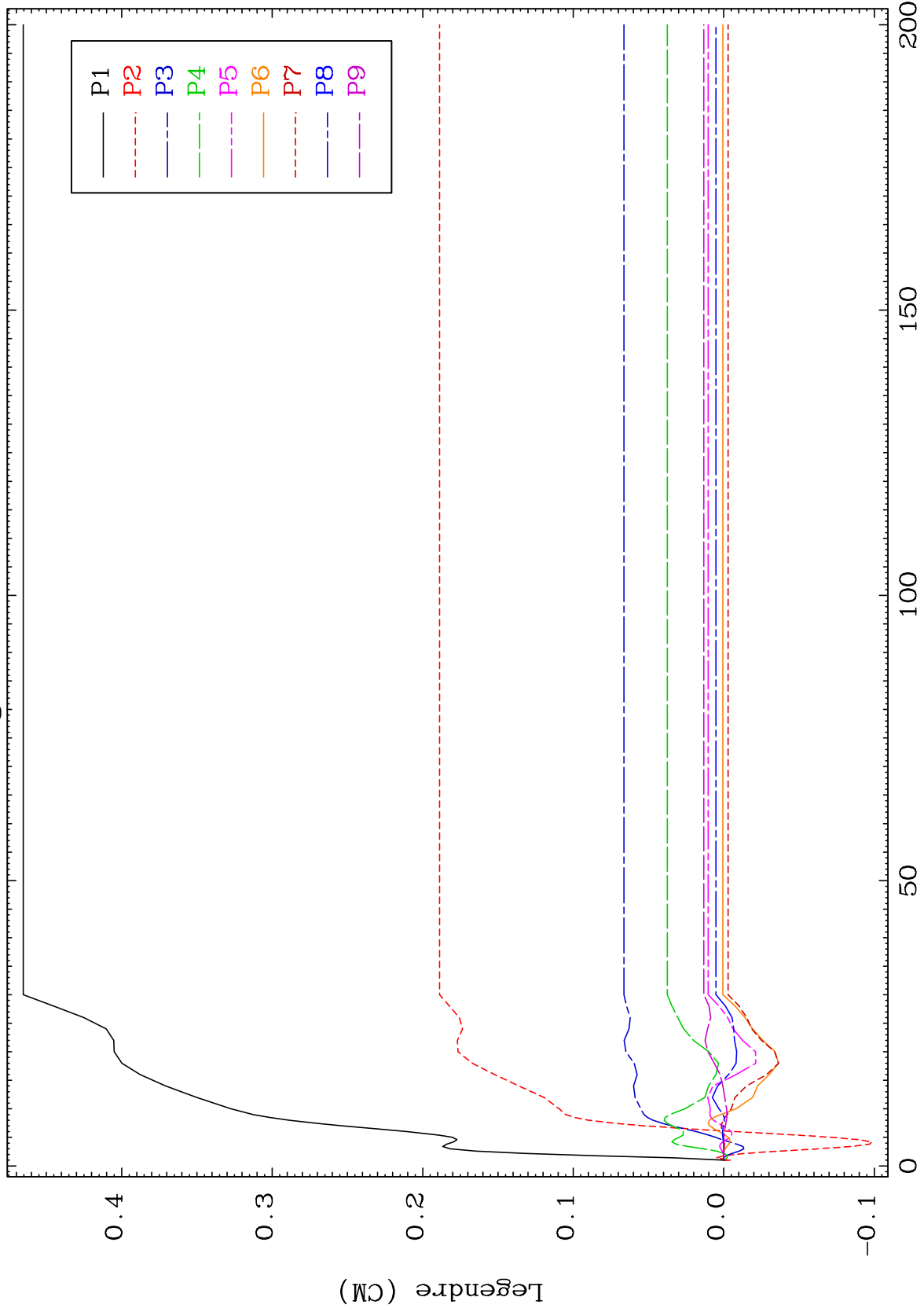
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



25

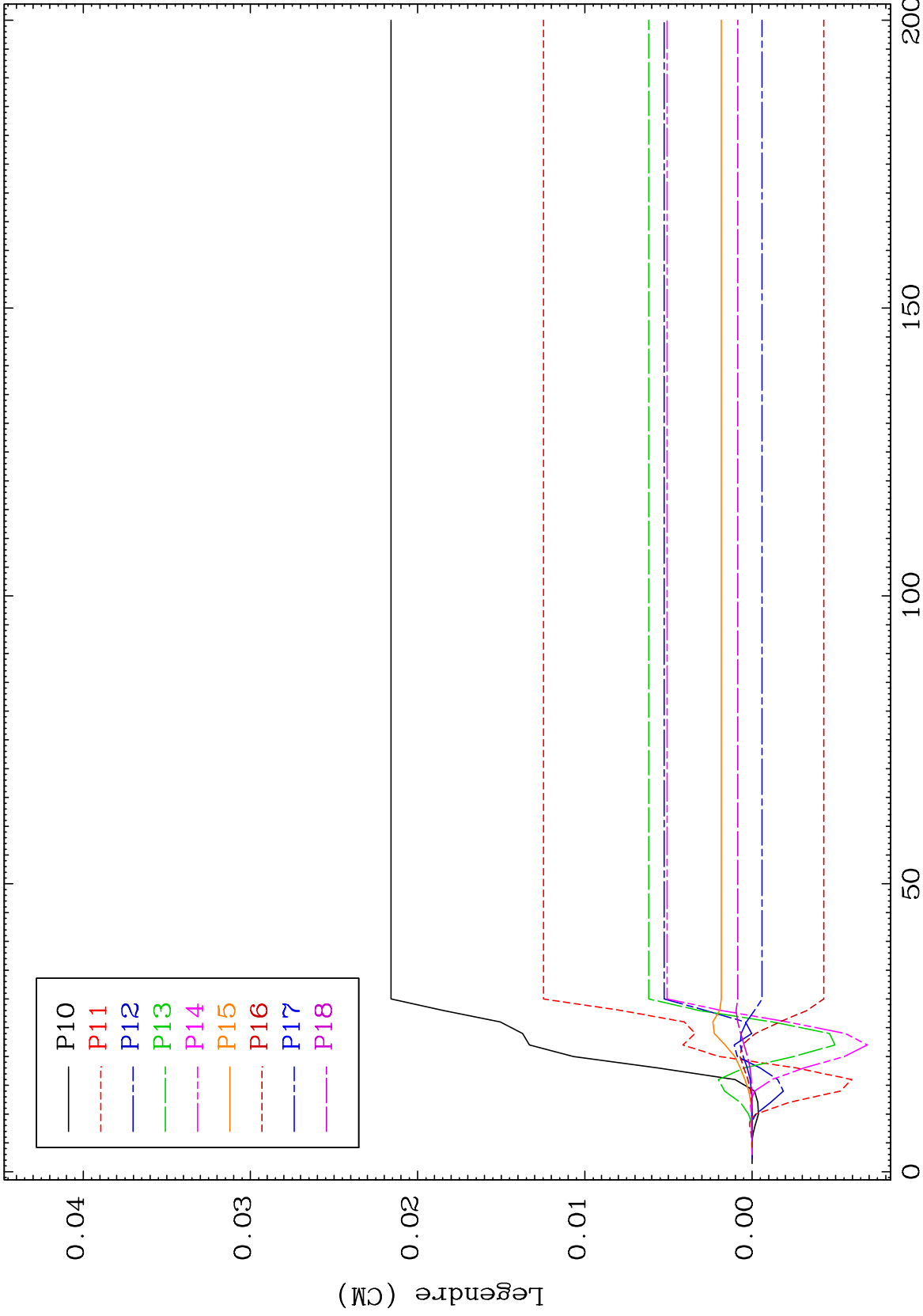
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



26

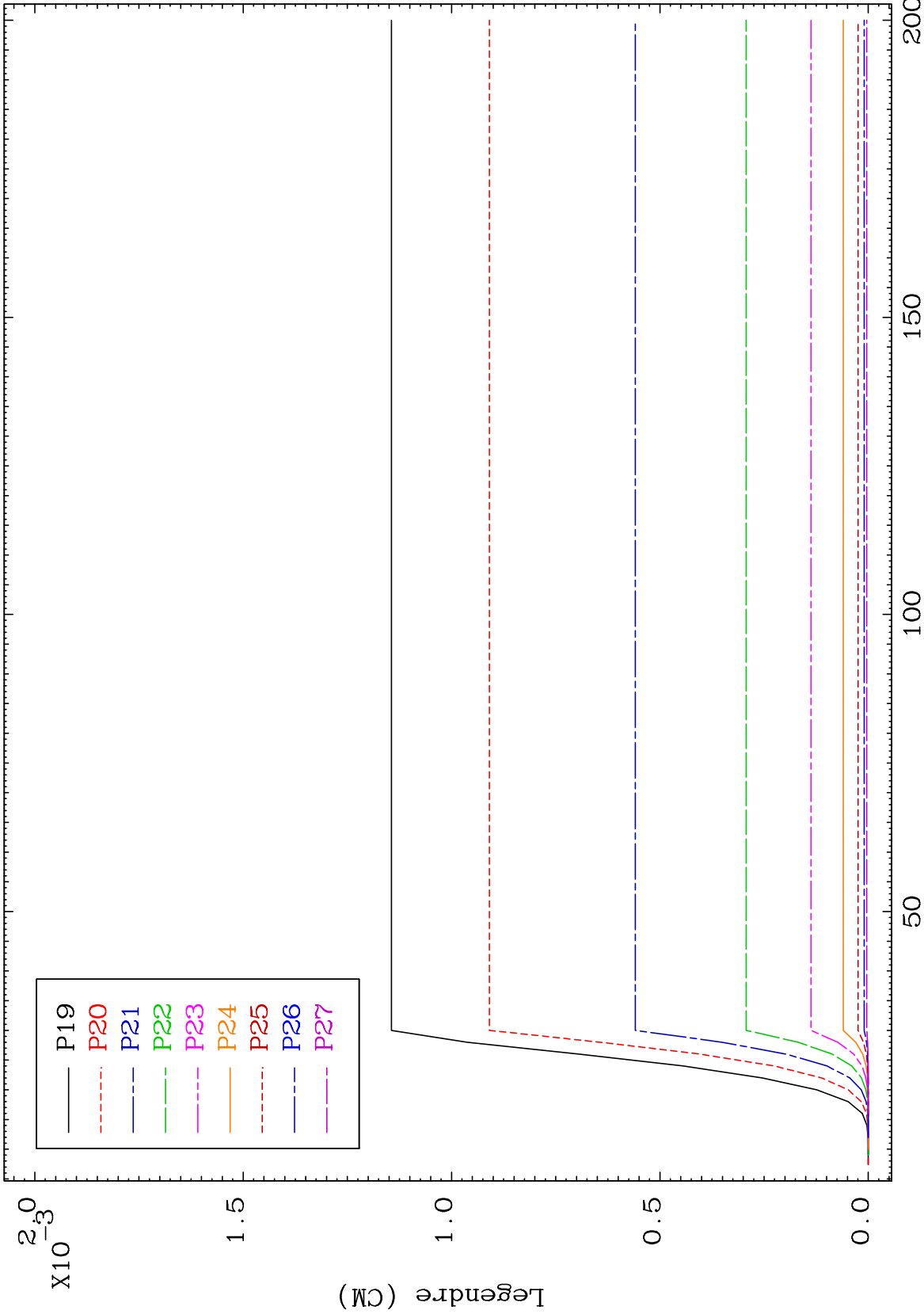
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



27

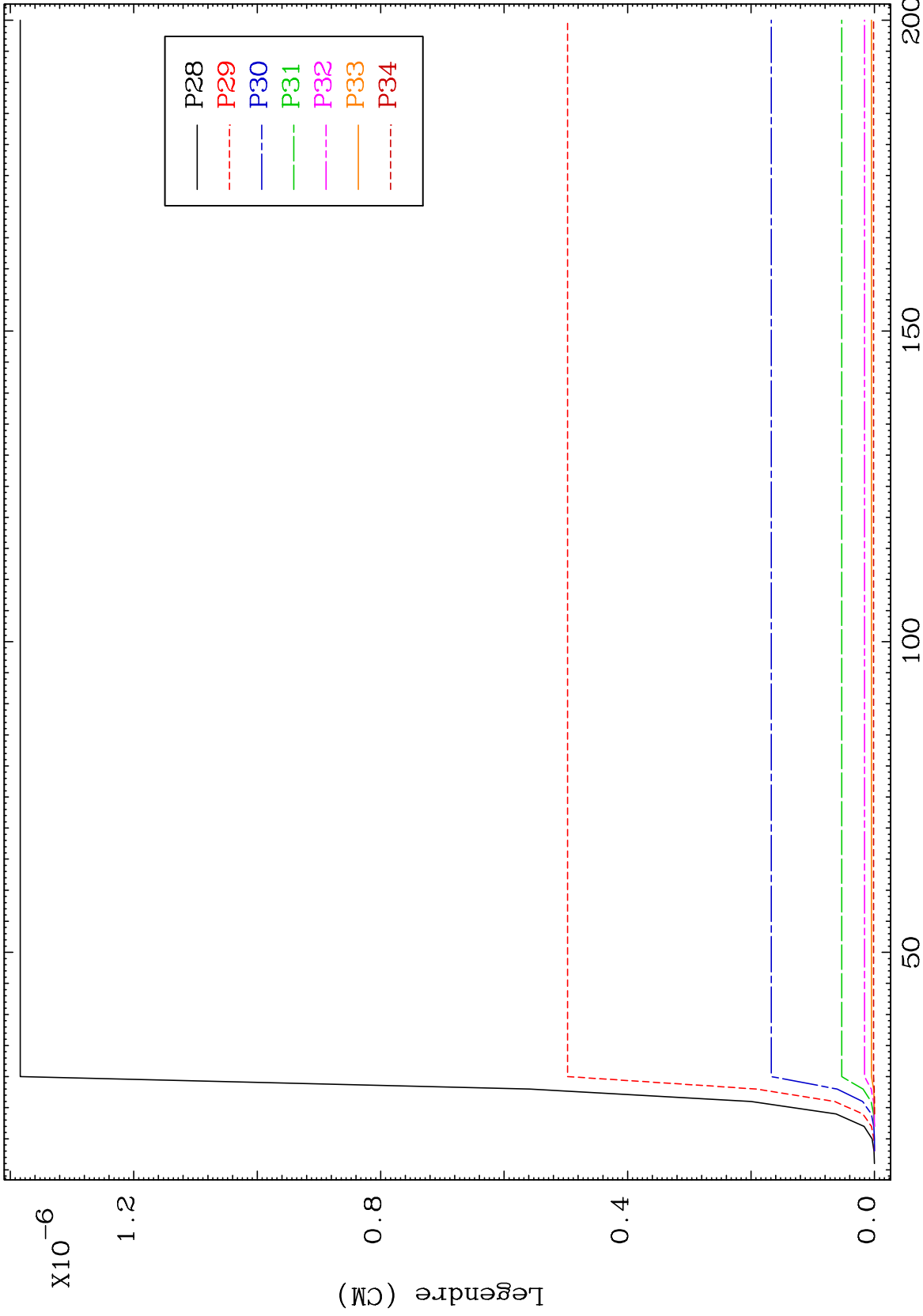
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



28

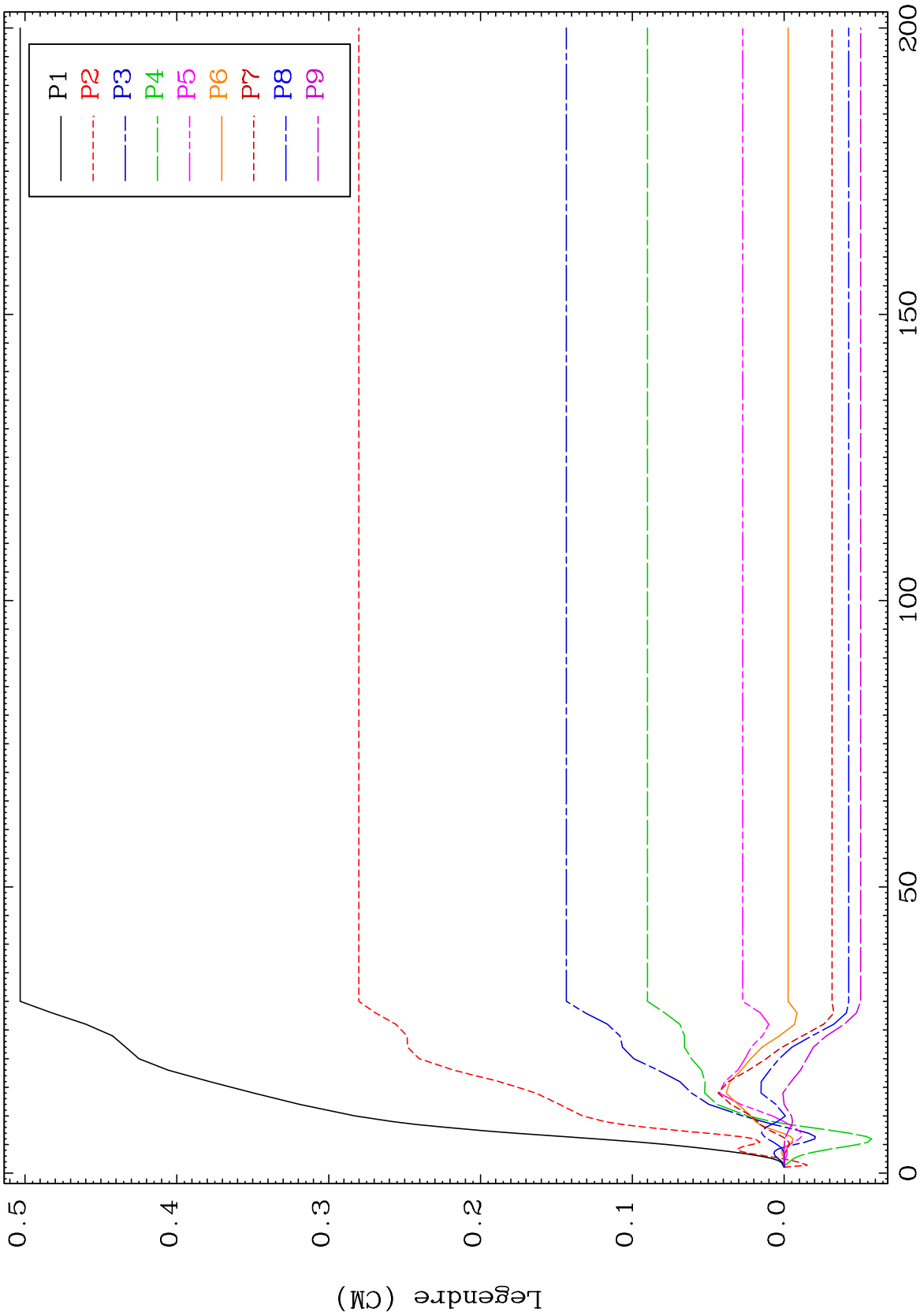
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



29

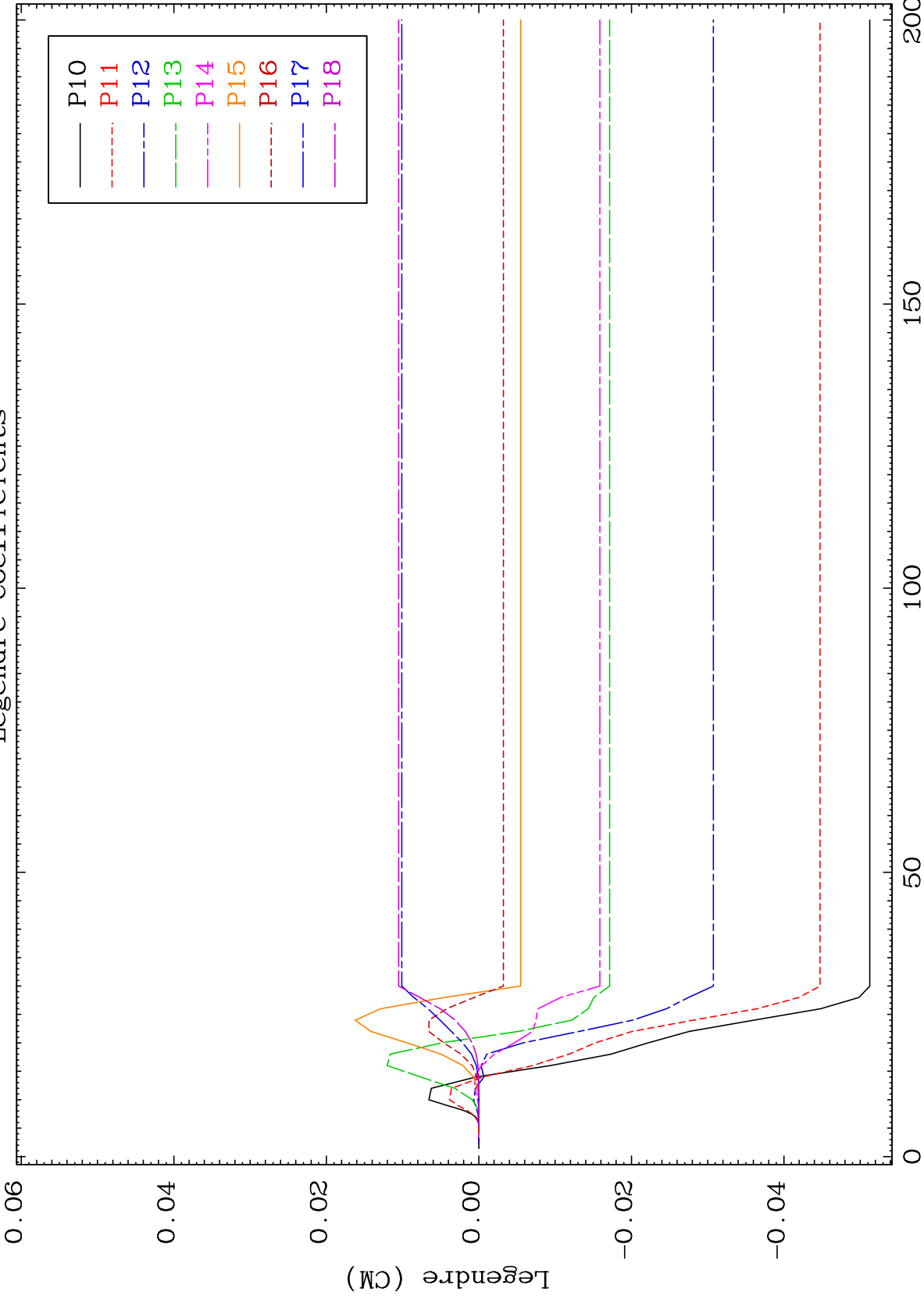
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



0

50

100

150

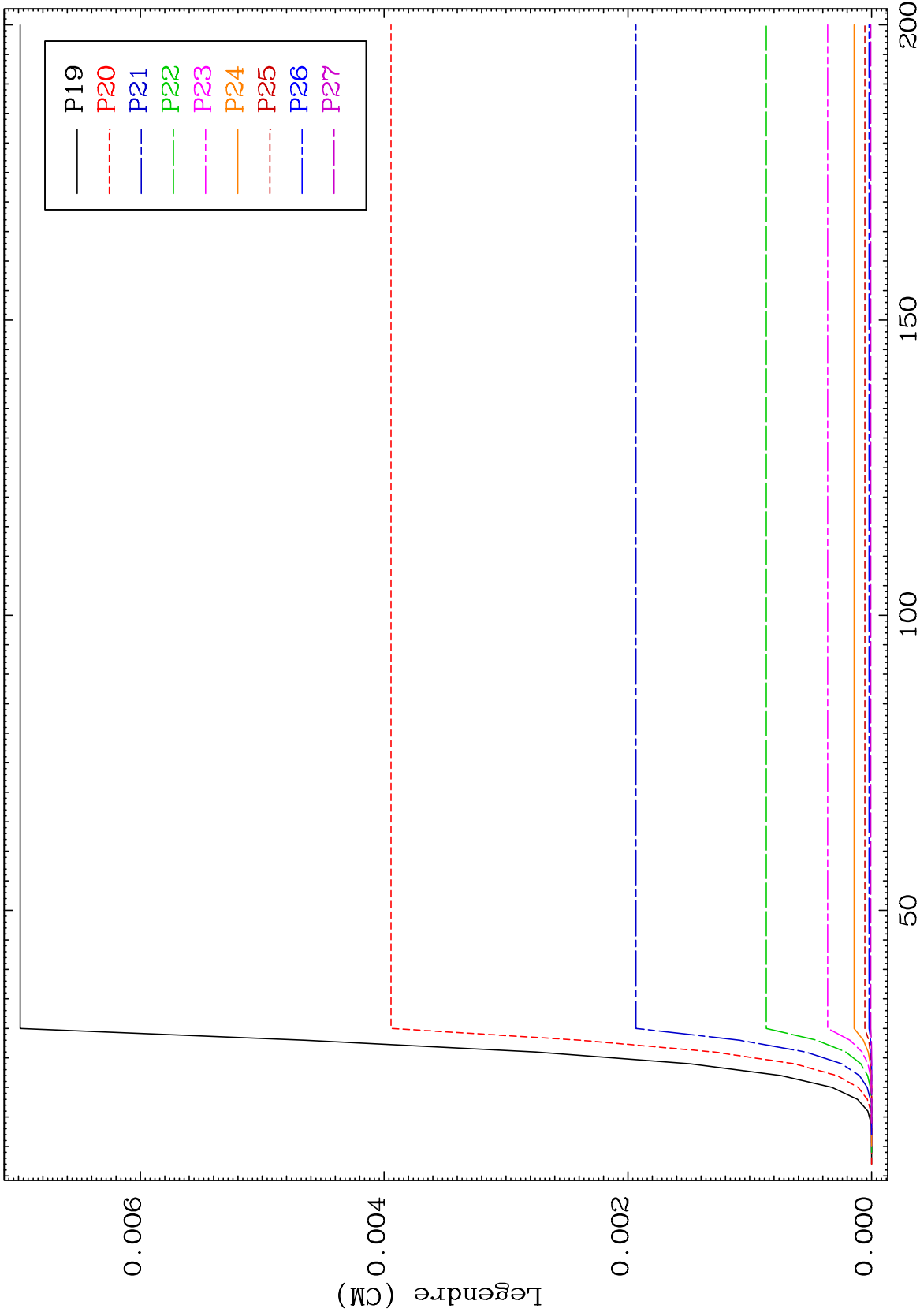
200

54-Xe-116

MAT 5401

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

54-Xe-116



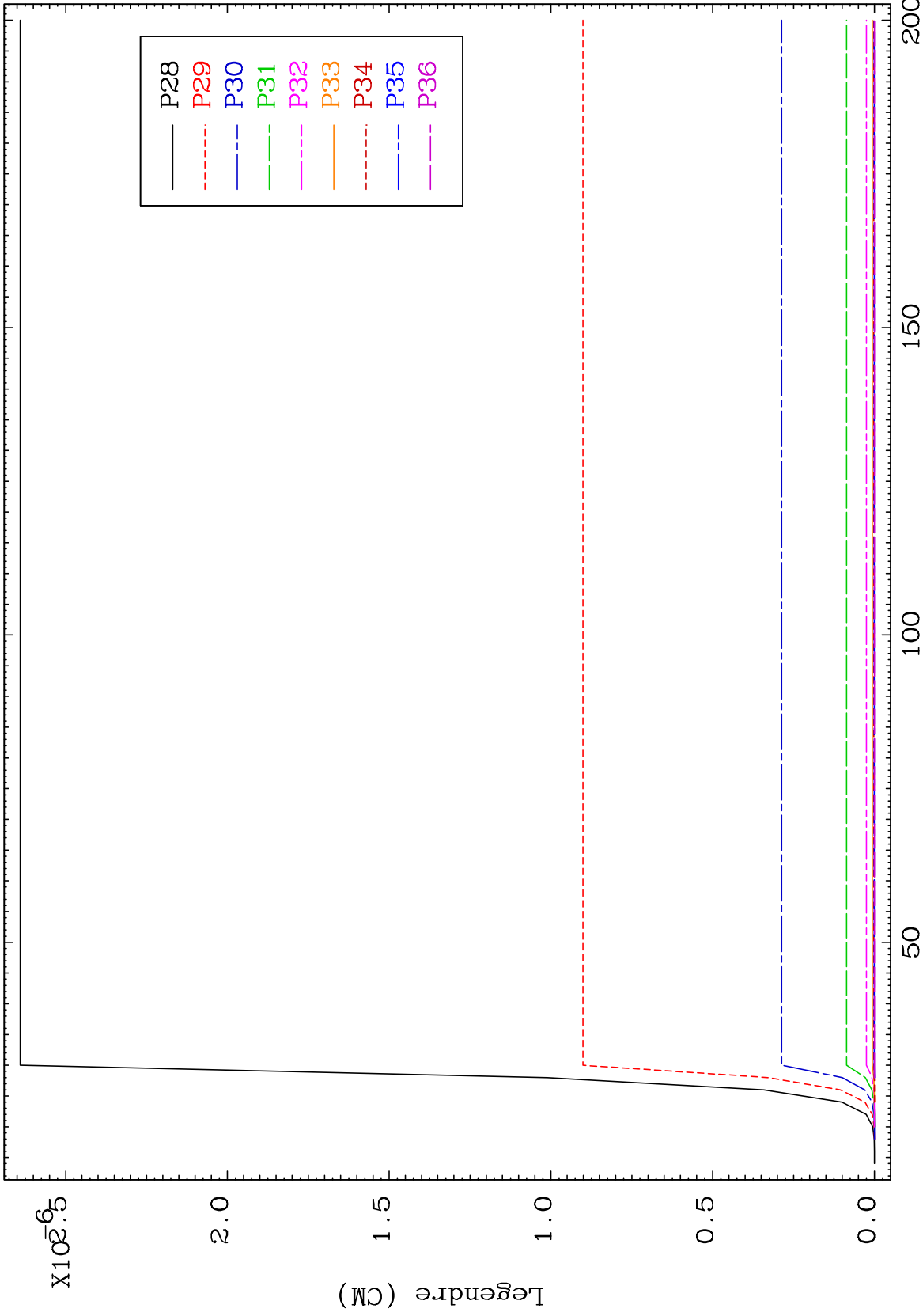
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54-Xe-116

MAT 5401

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

54-Xe-116



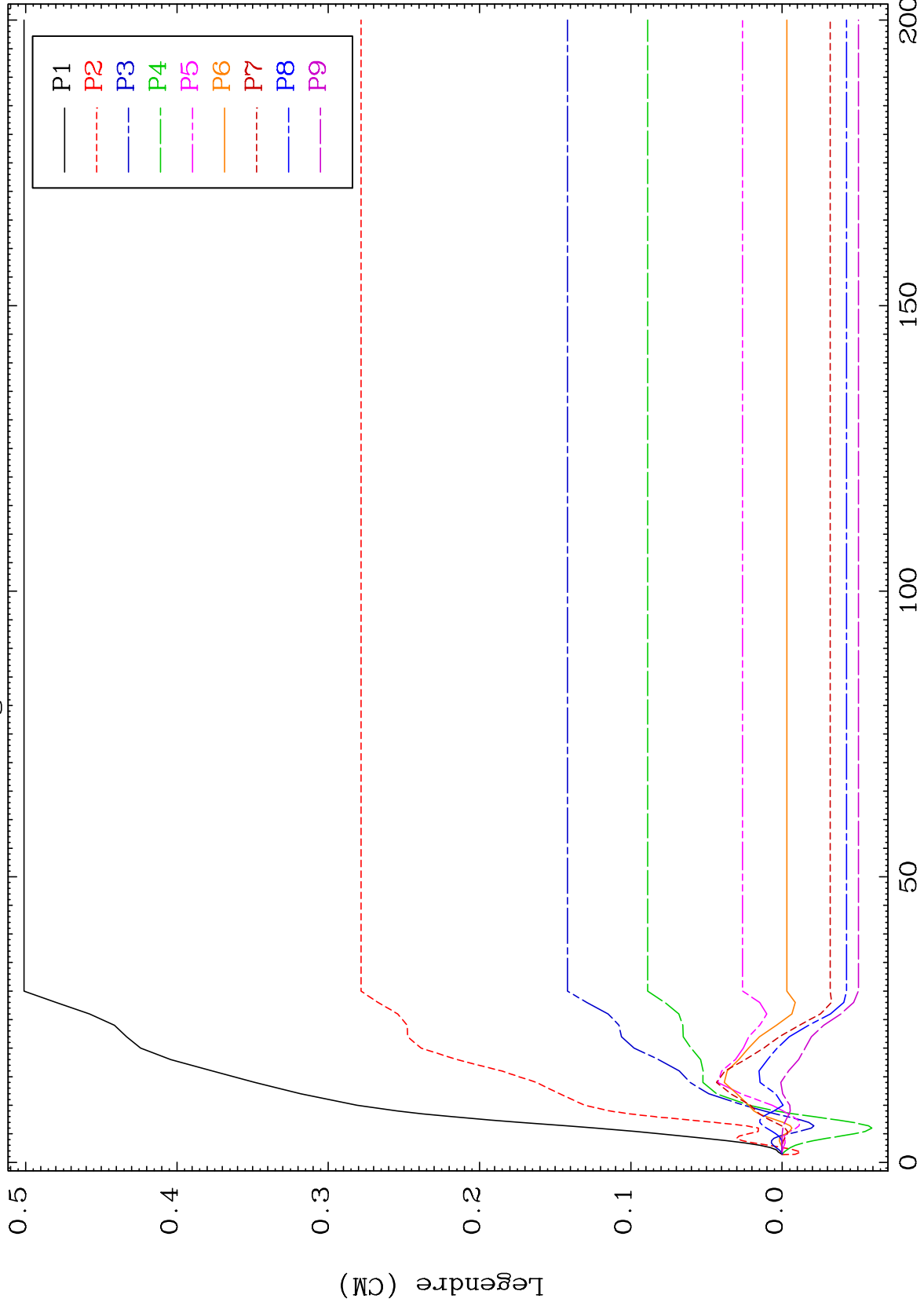
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54-Xe-116

MAT 5401

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

54-Xe-116



33

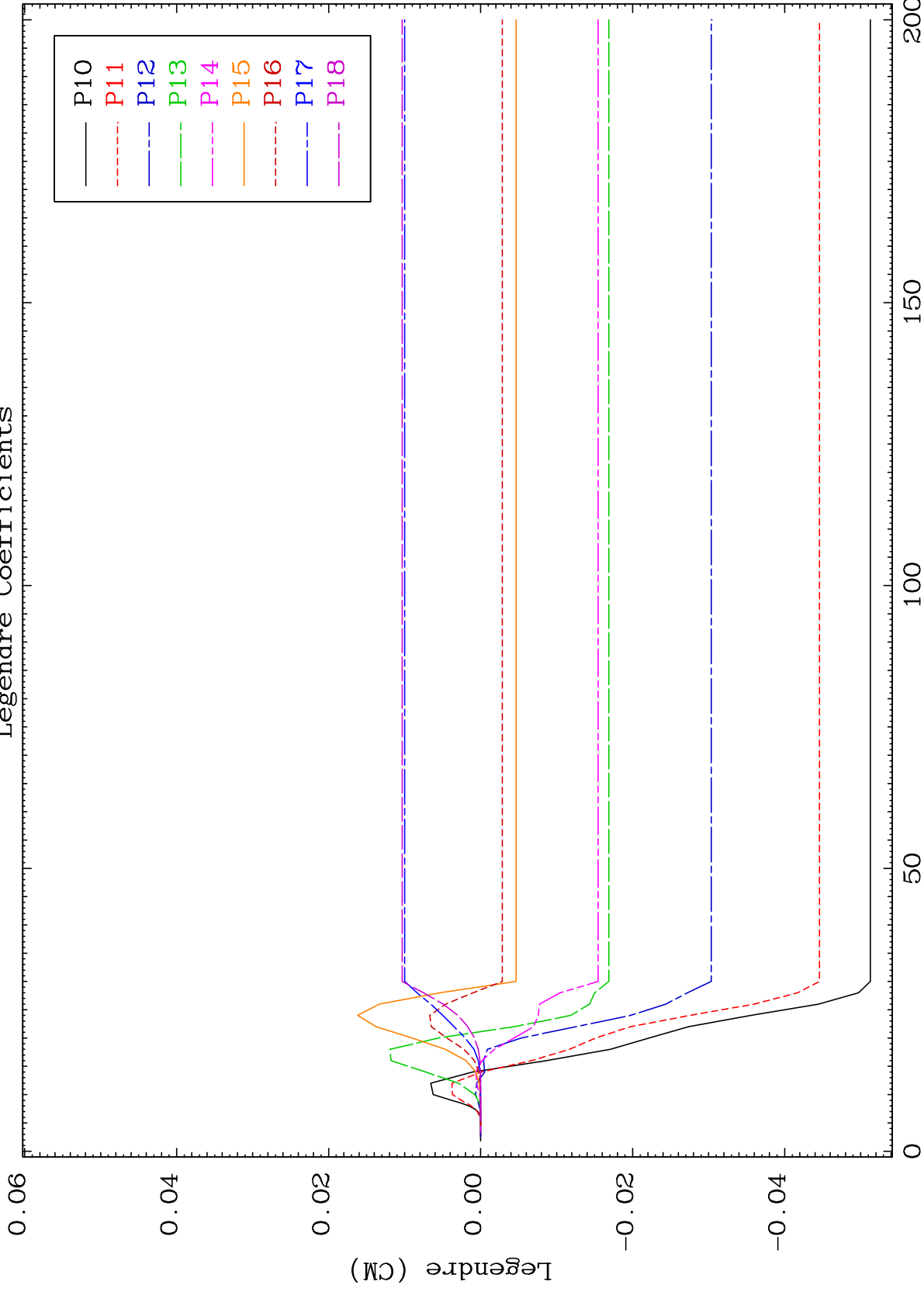
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



34

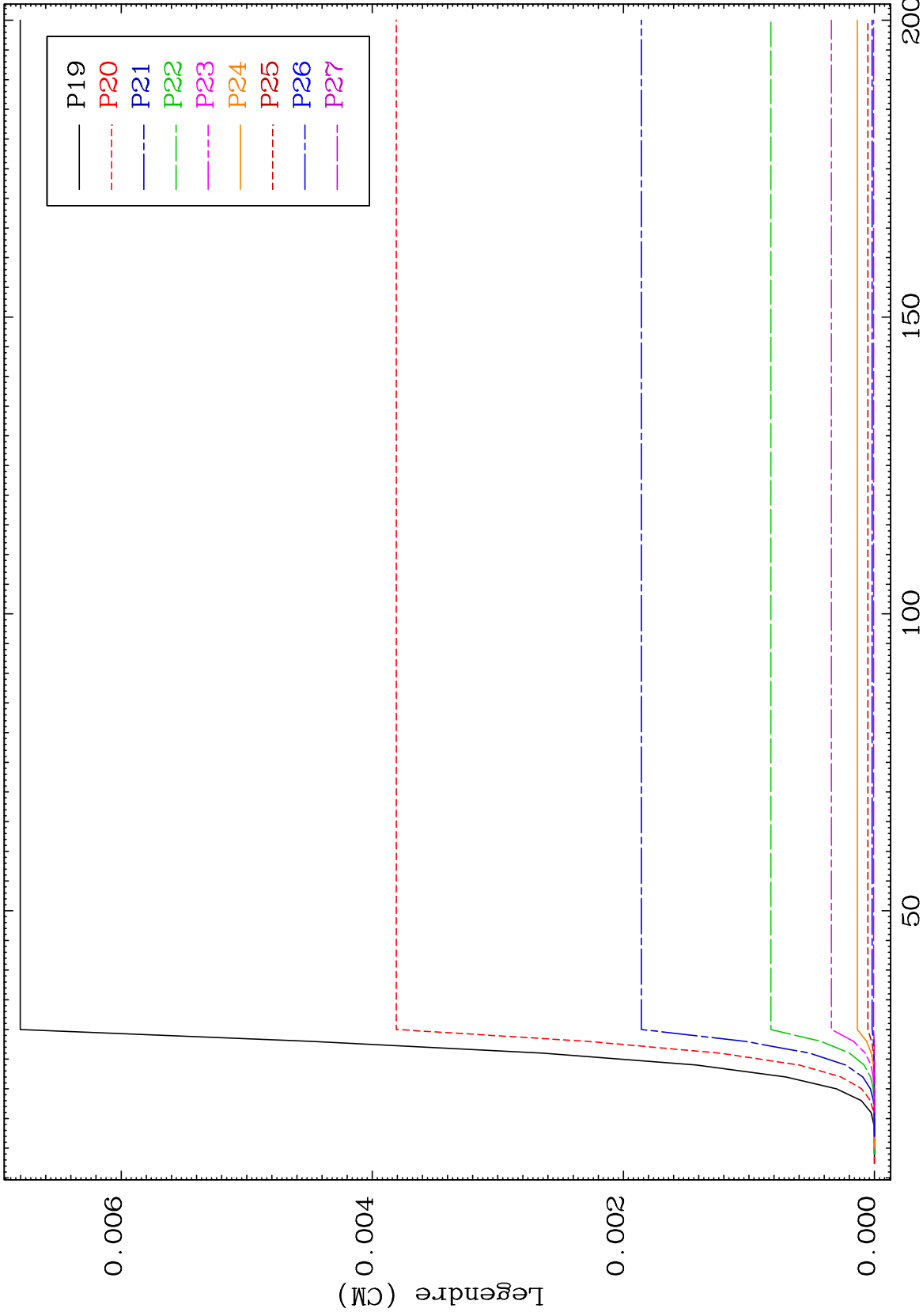
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



35

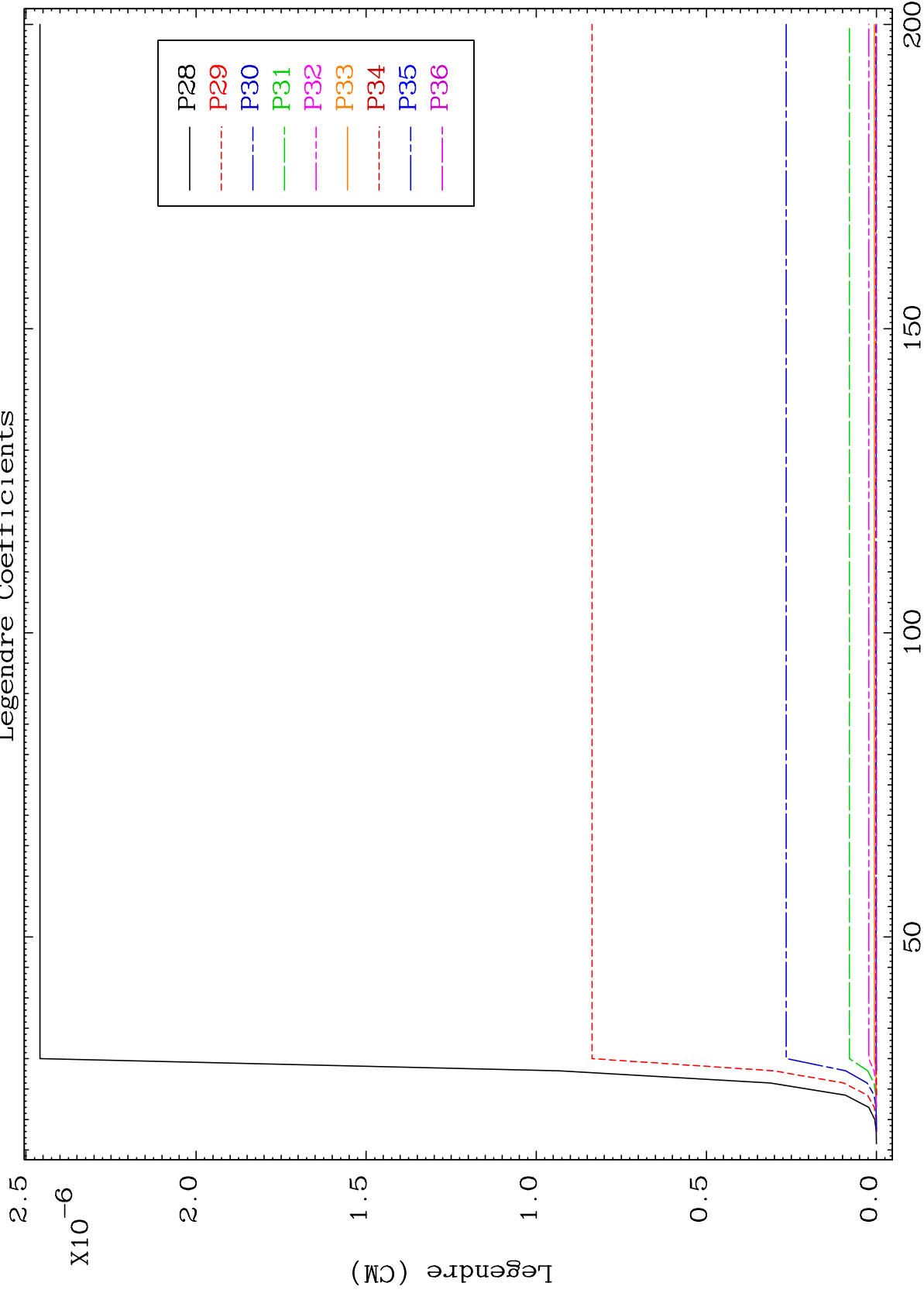
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



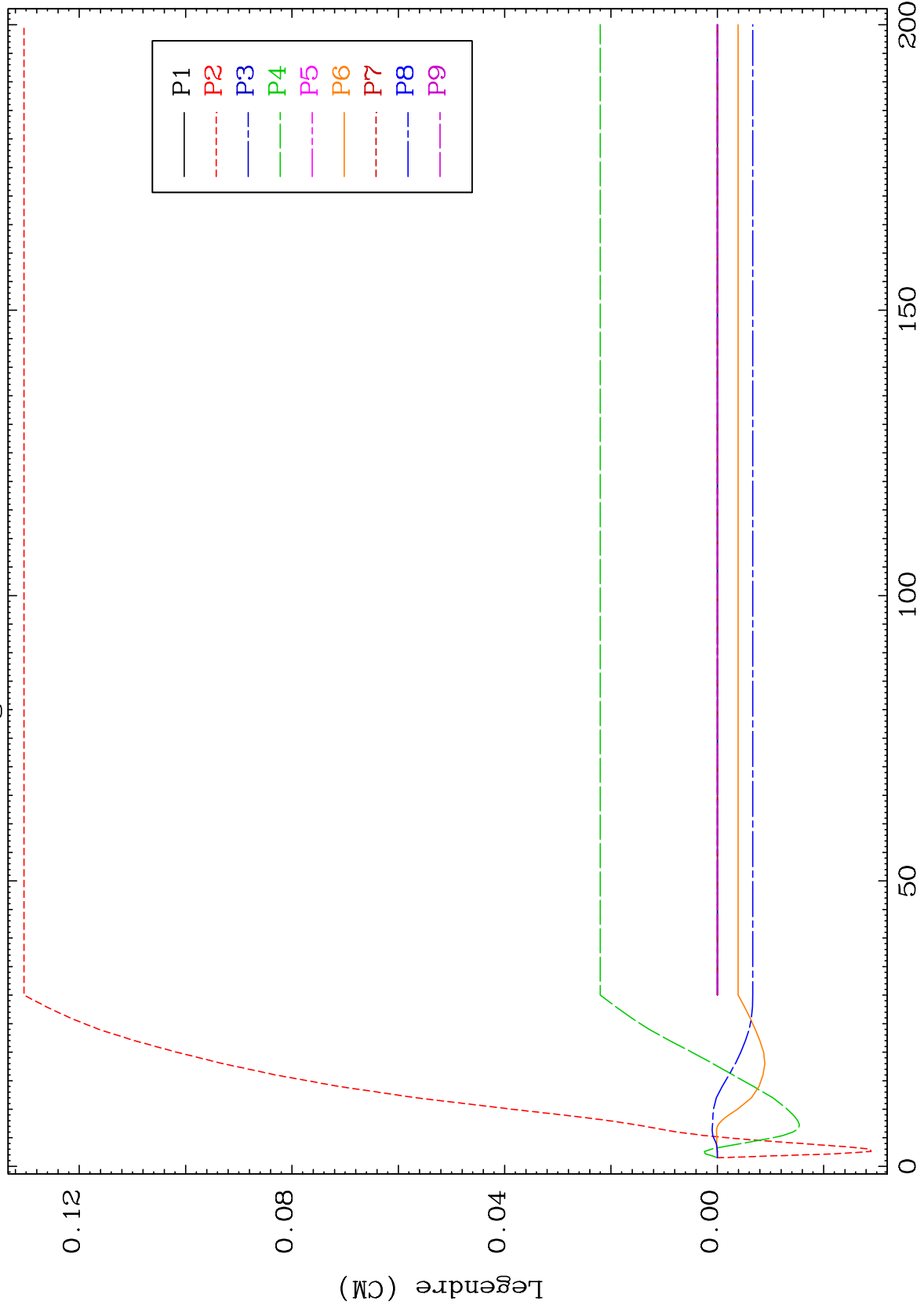
36

54-Xe-116

MAT 5401

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

54-Xe-116



37

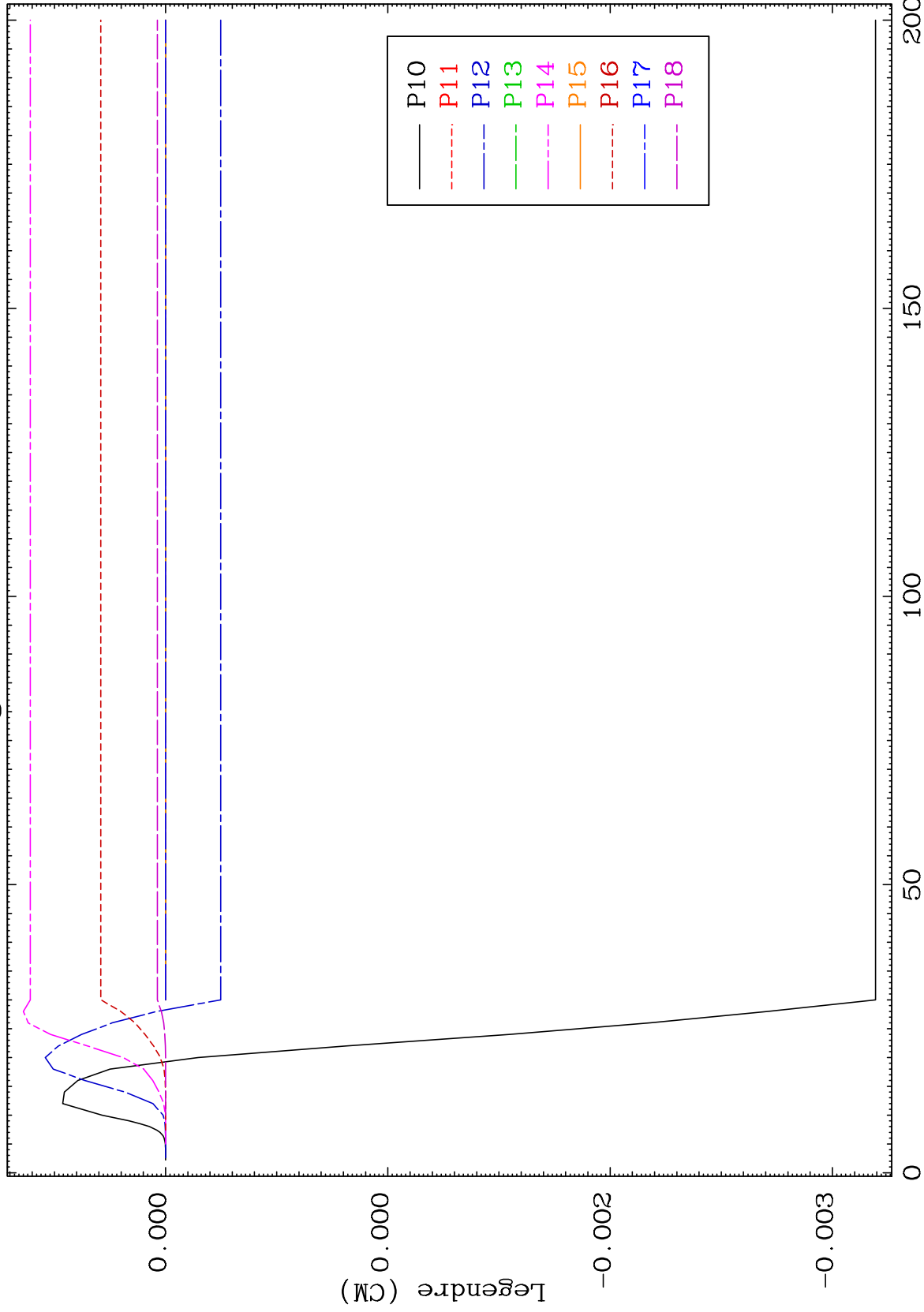
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



38

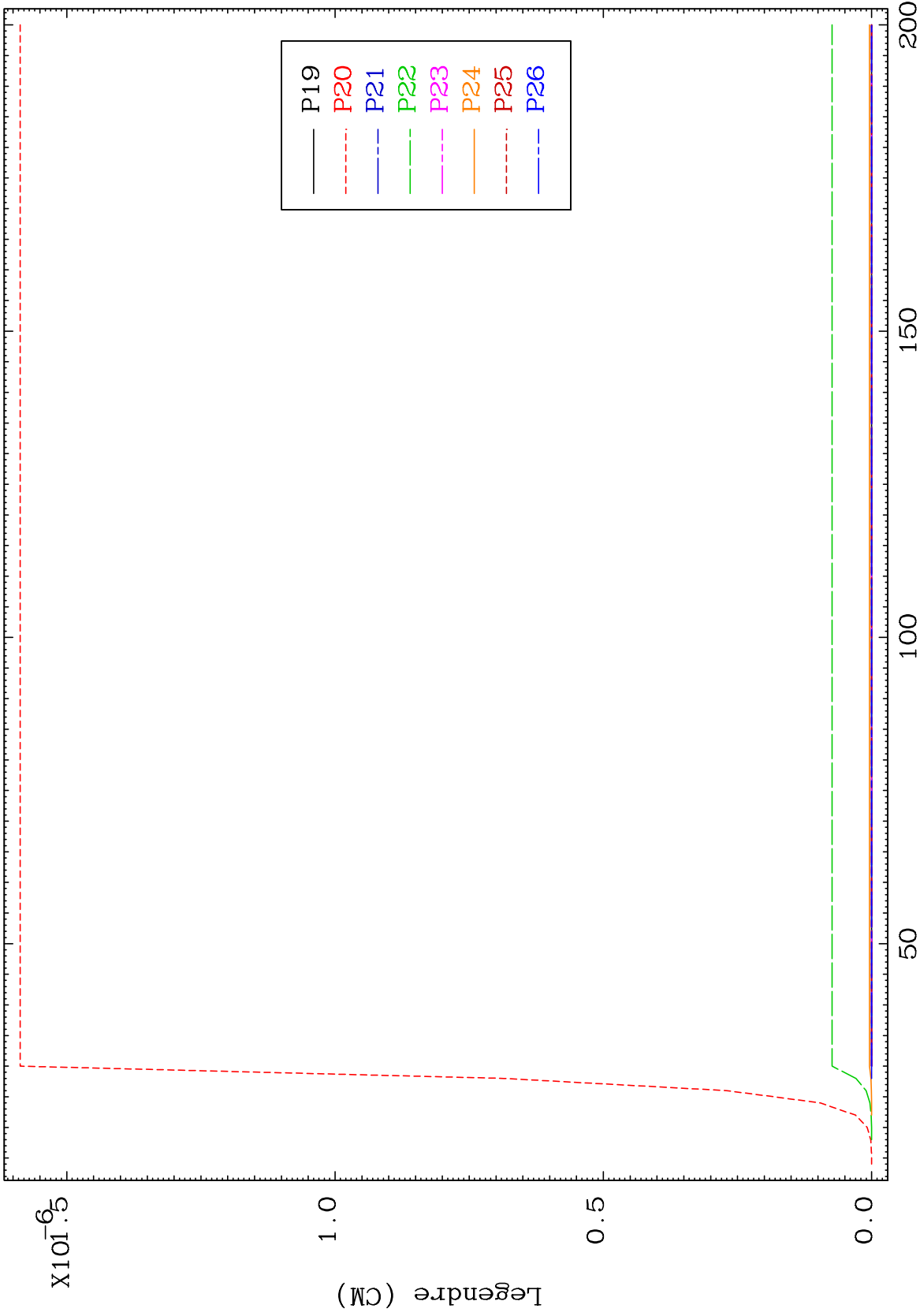
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



39

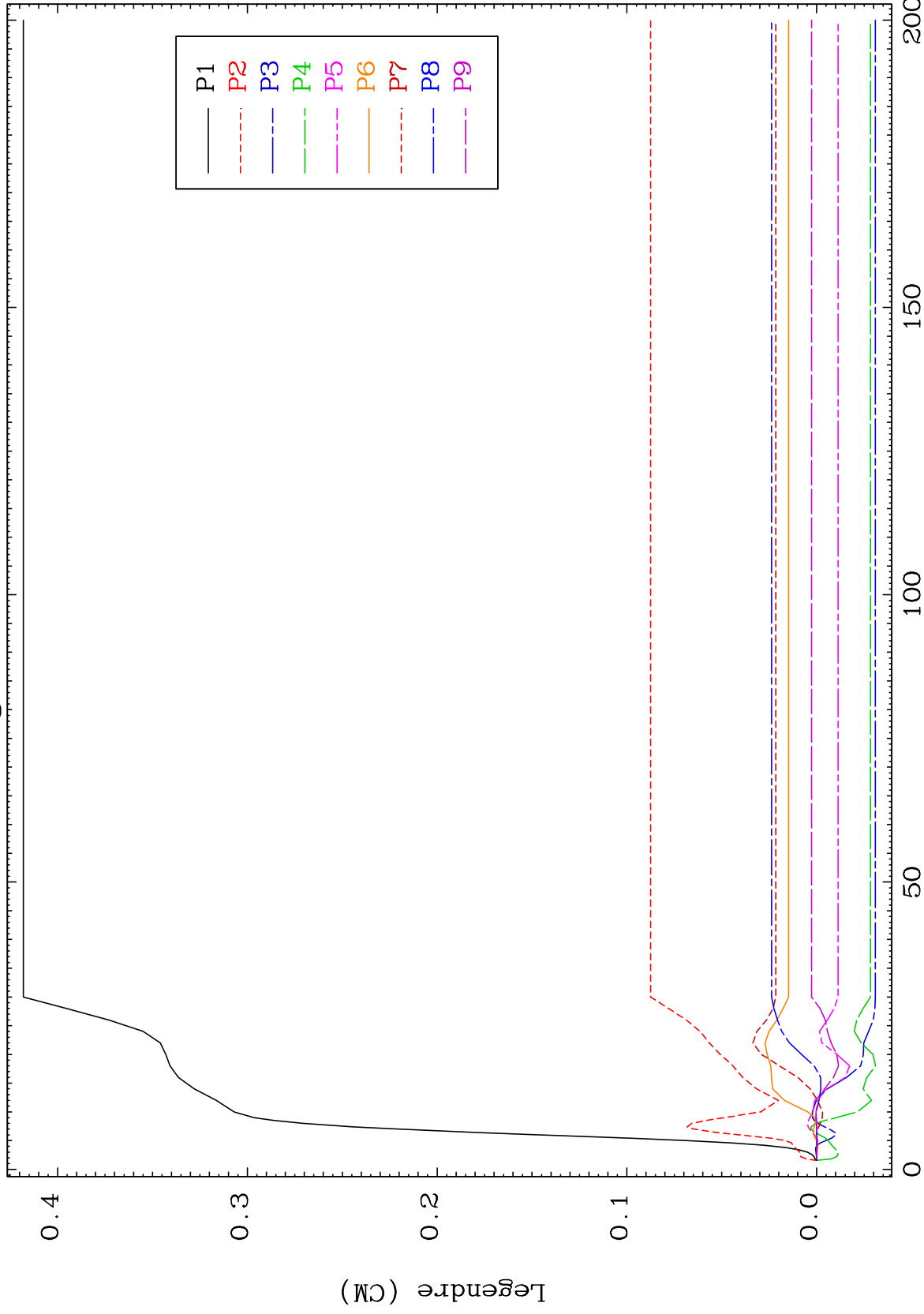
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



40

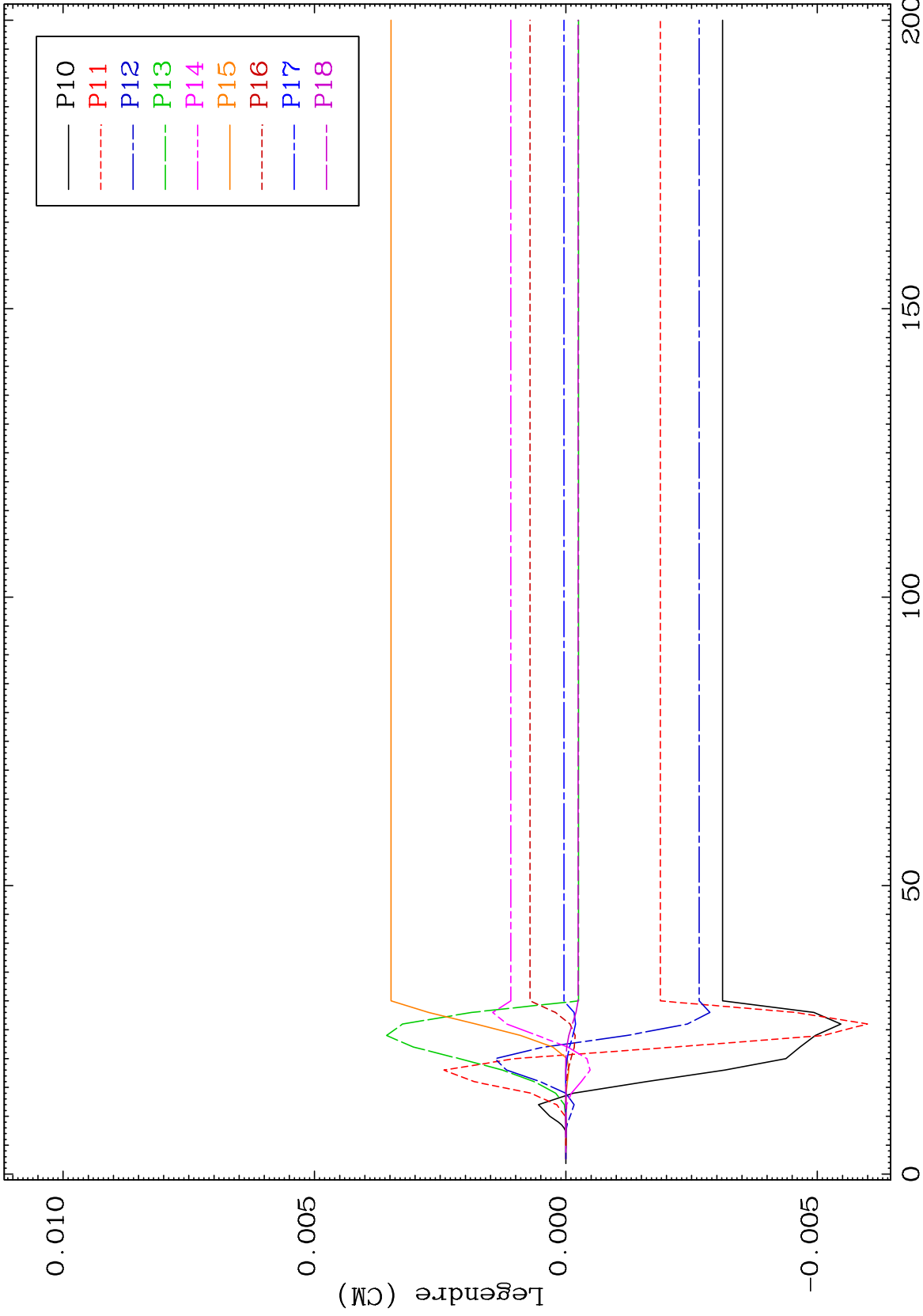
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



41

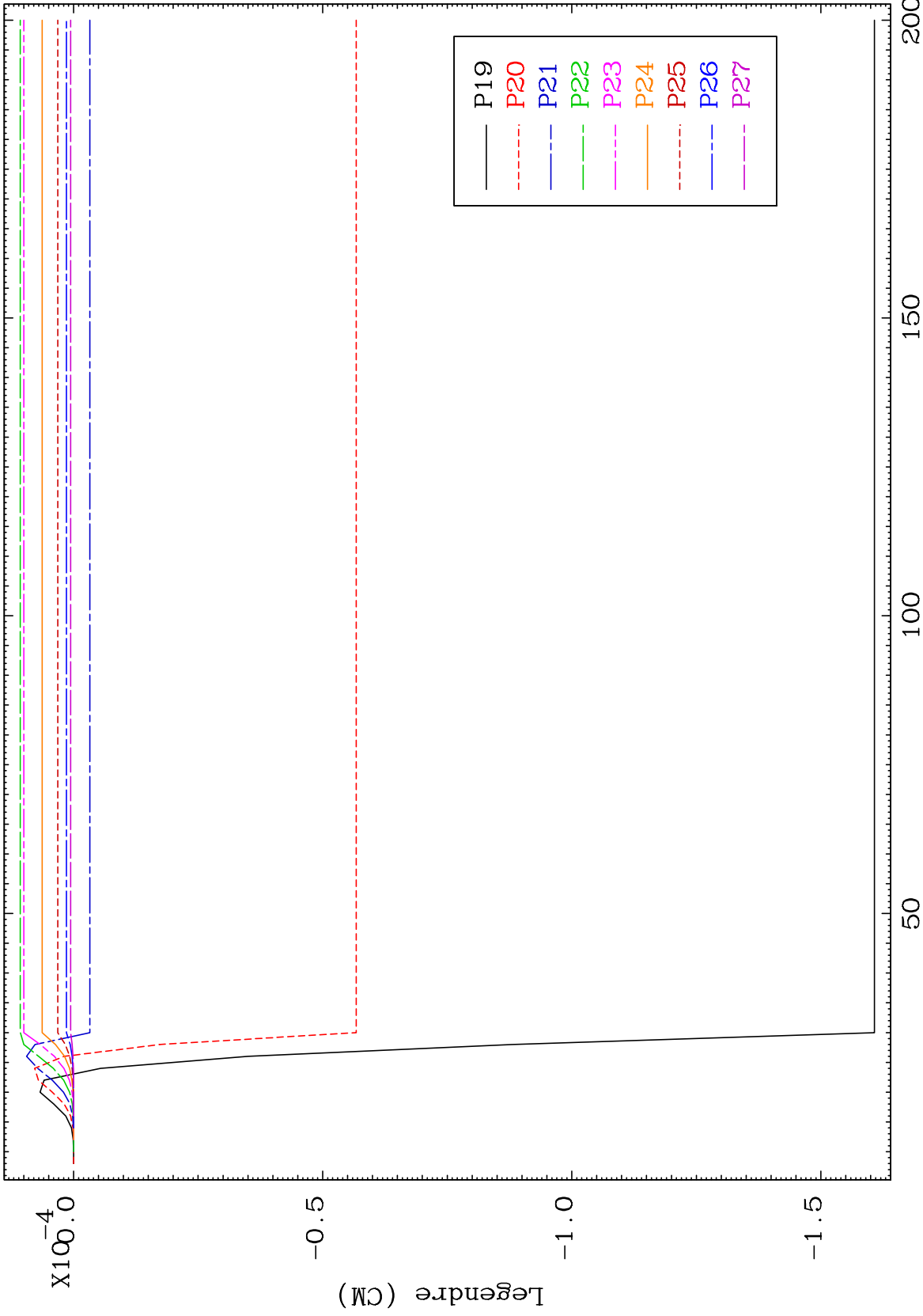
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



42

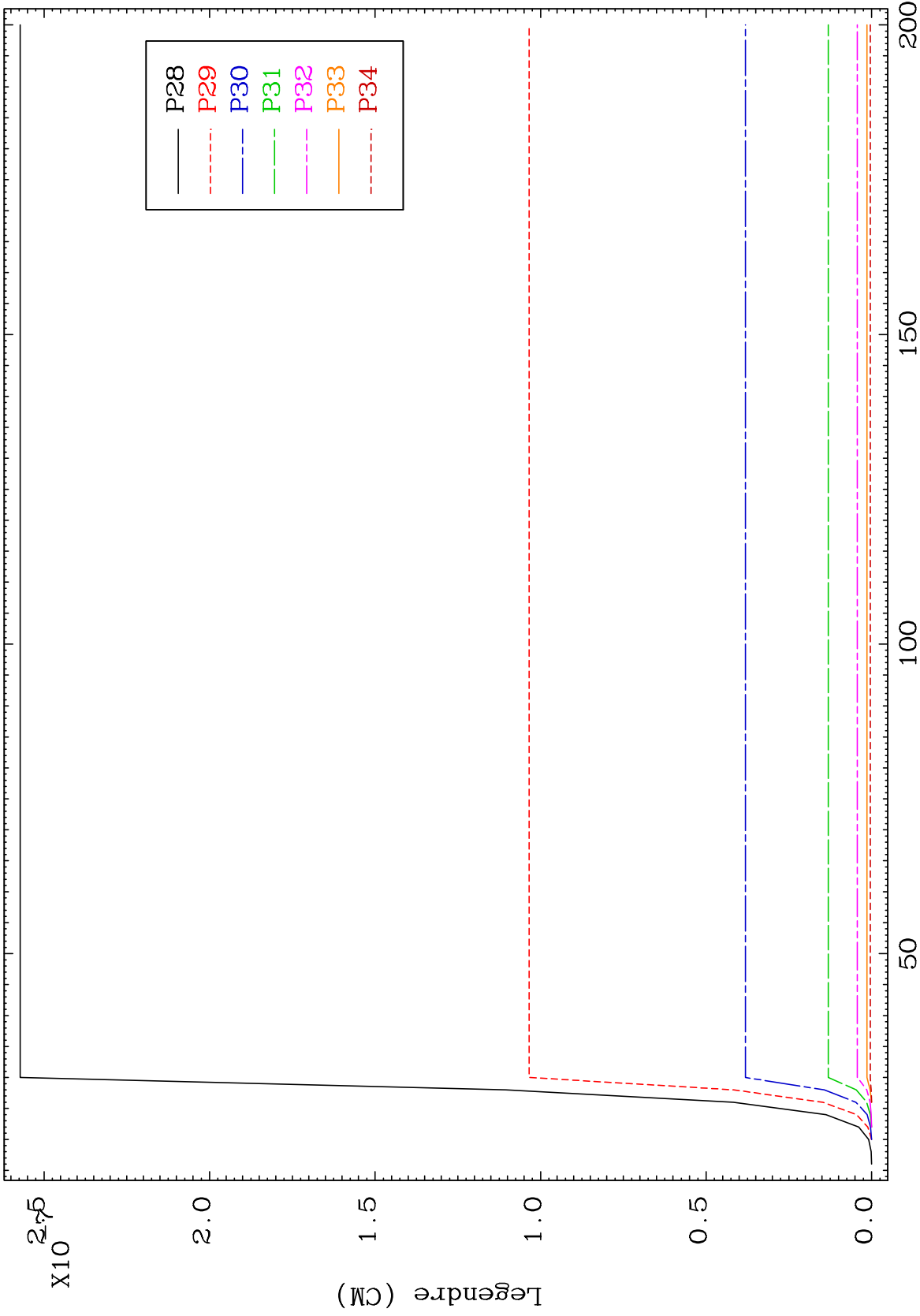
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



43

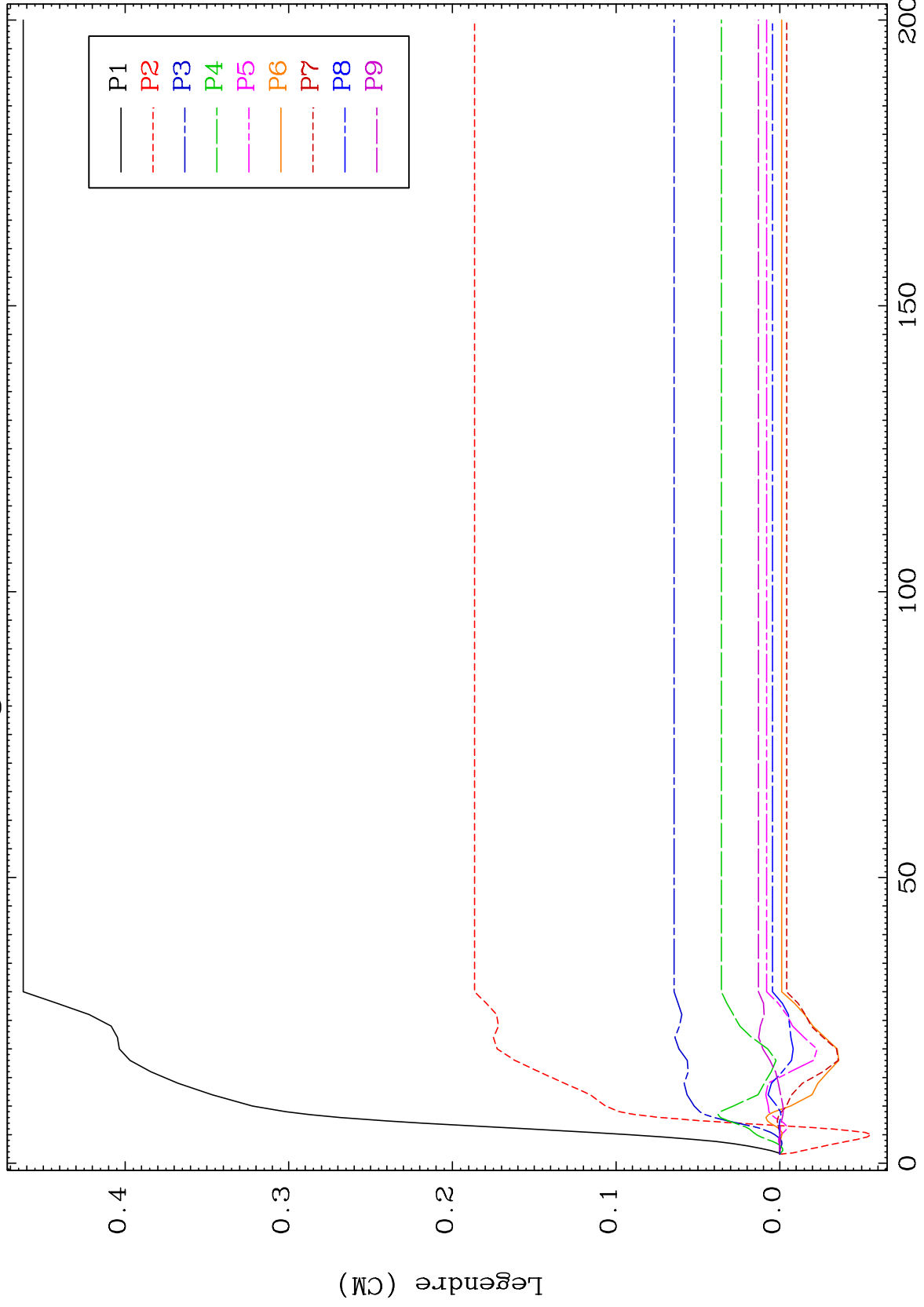
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



44

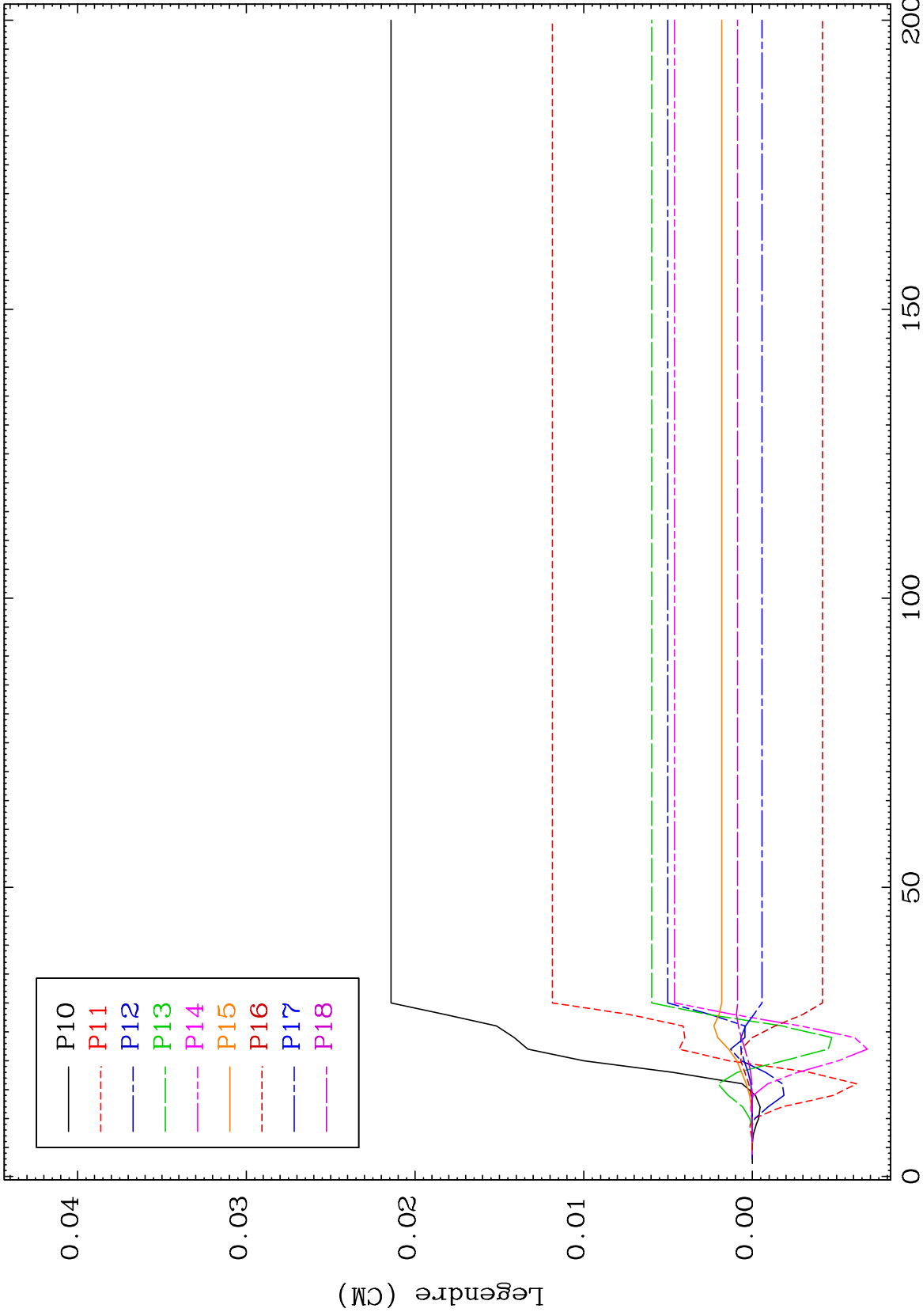
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



45

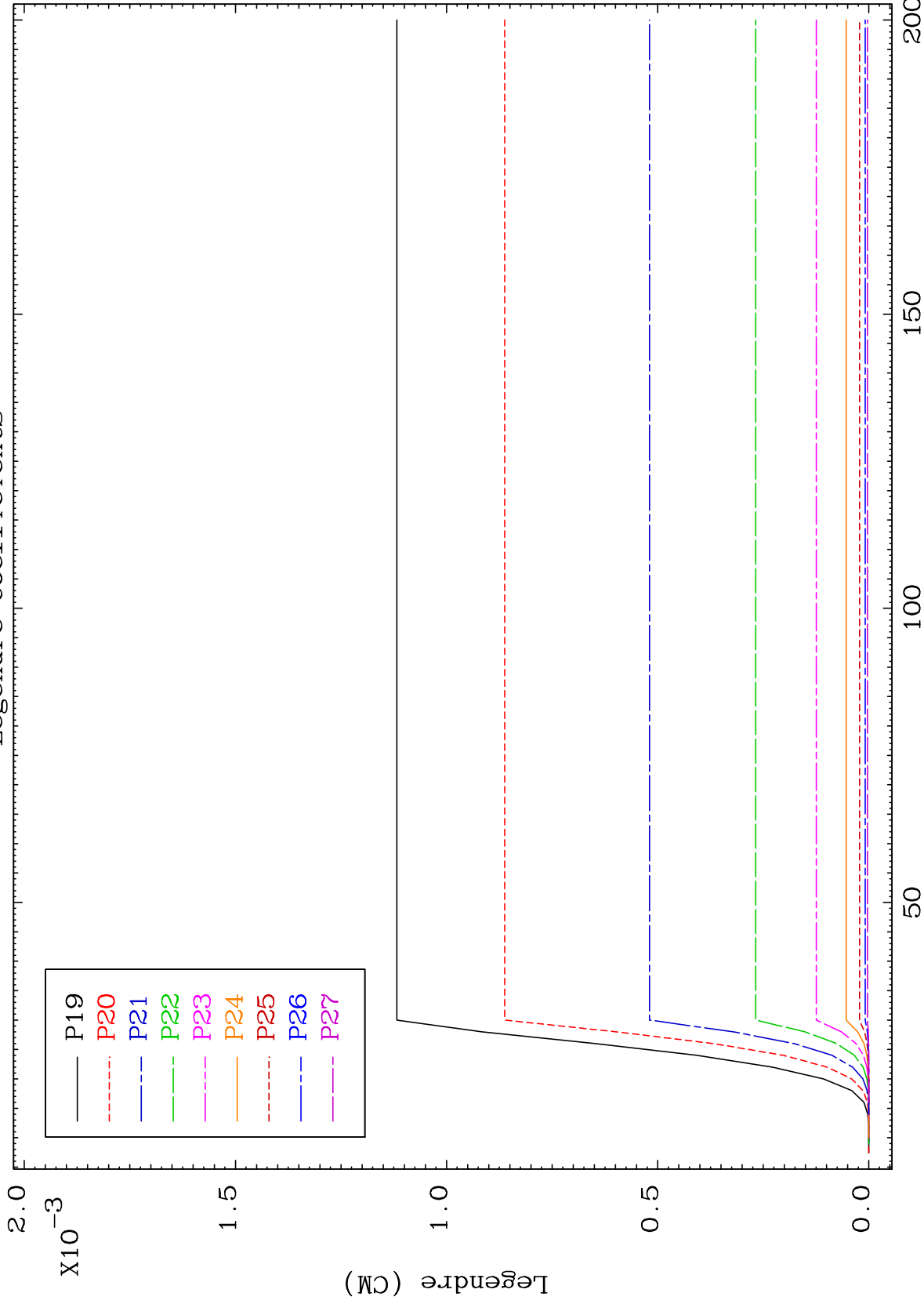
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



46

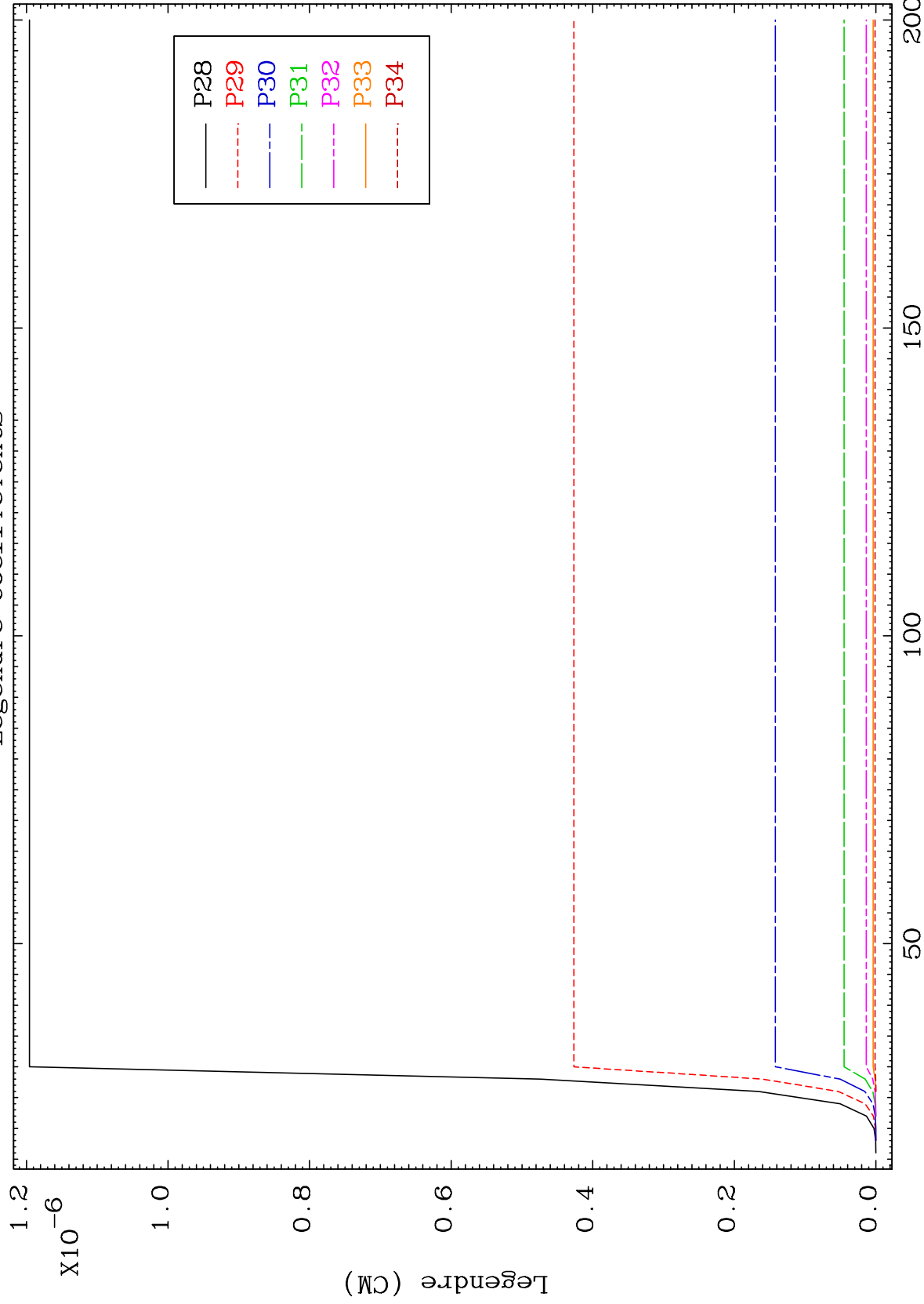
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



47

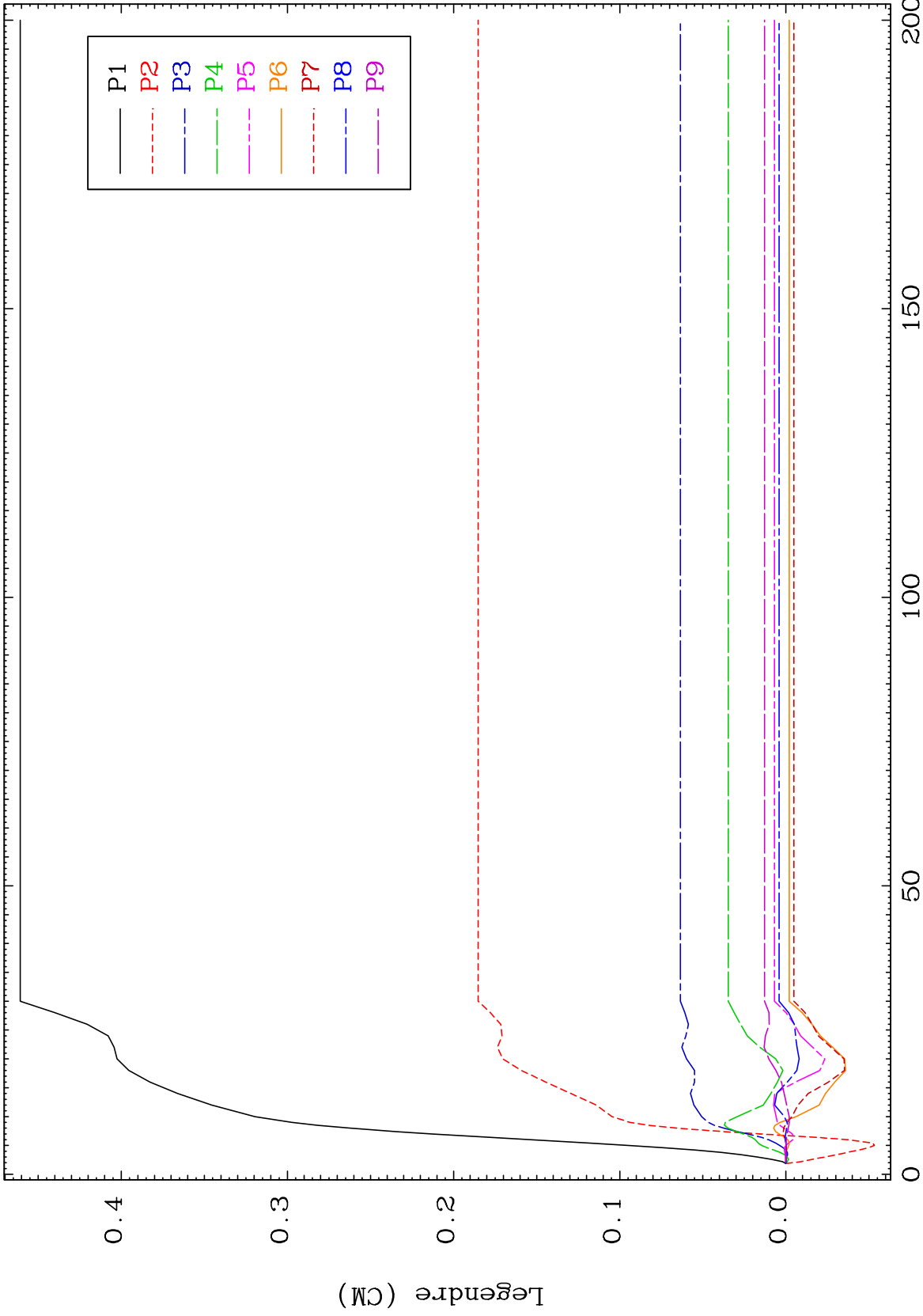
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



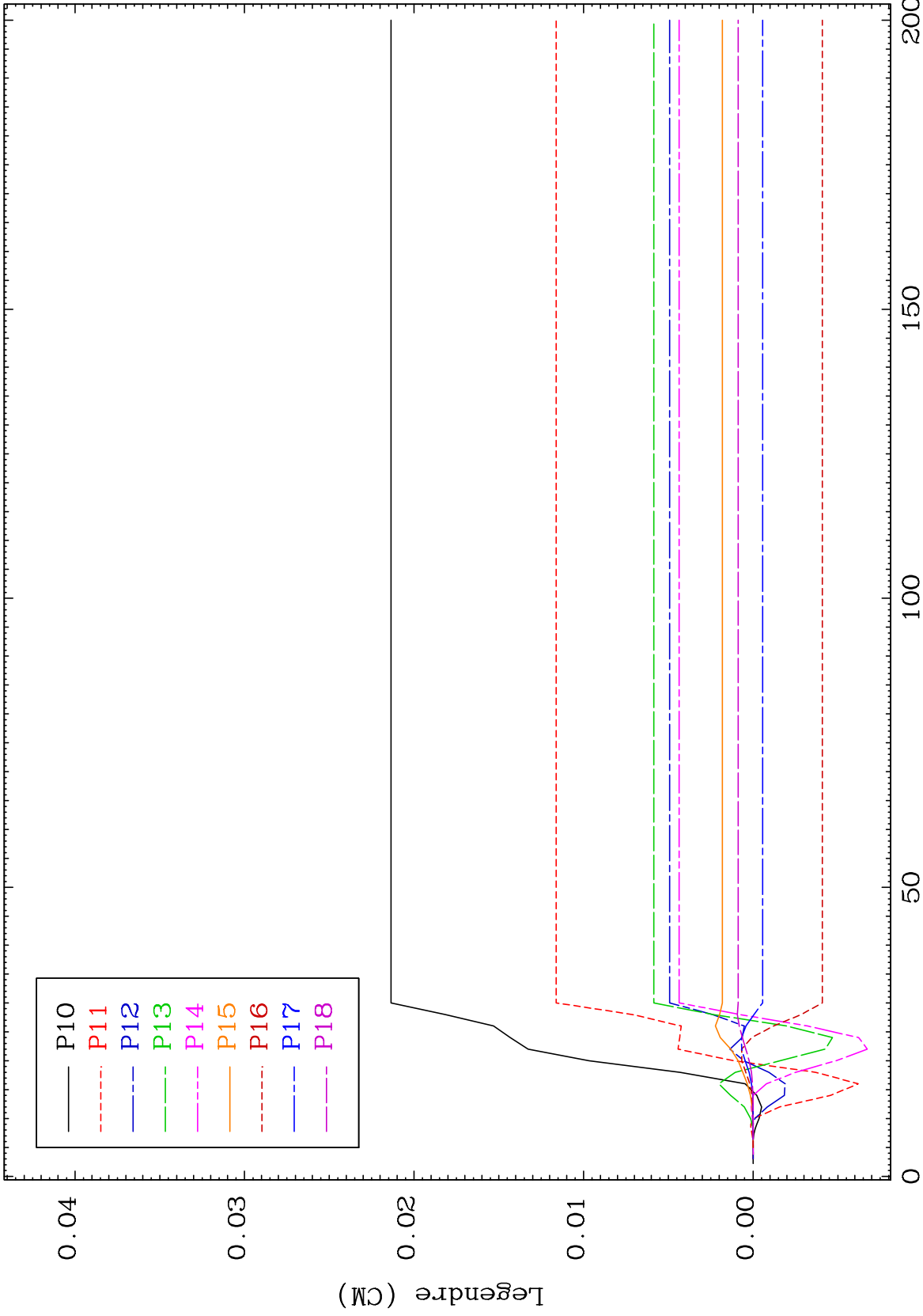
48

54-Xe-116

MAT 5401

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

54-Xe-116



49

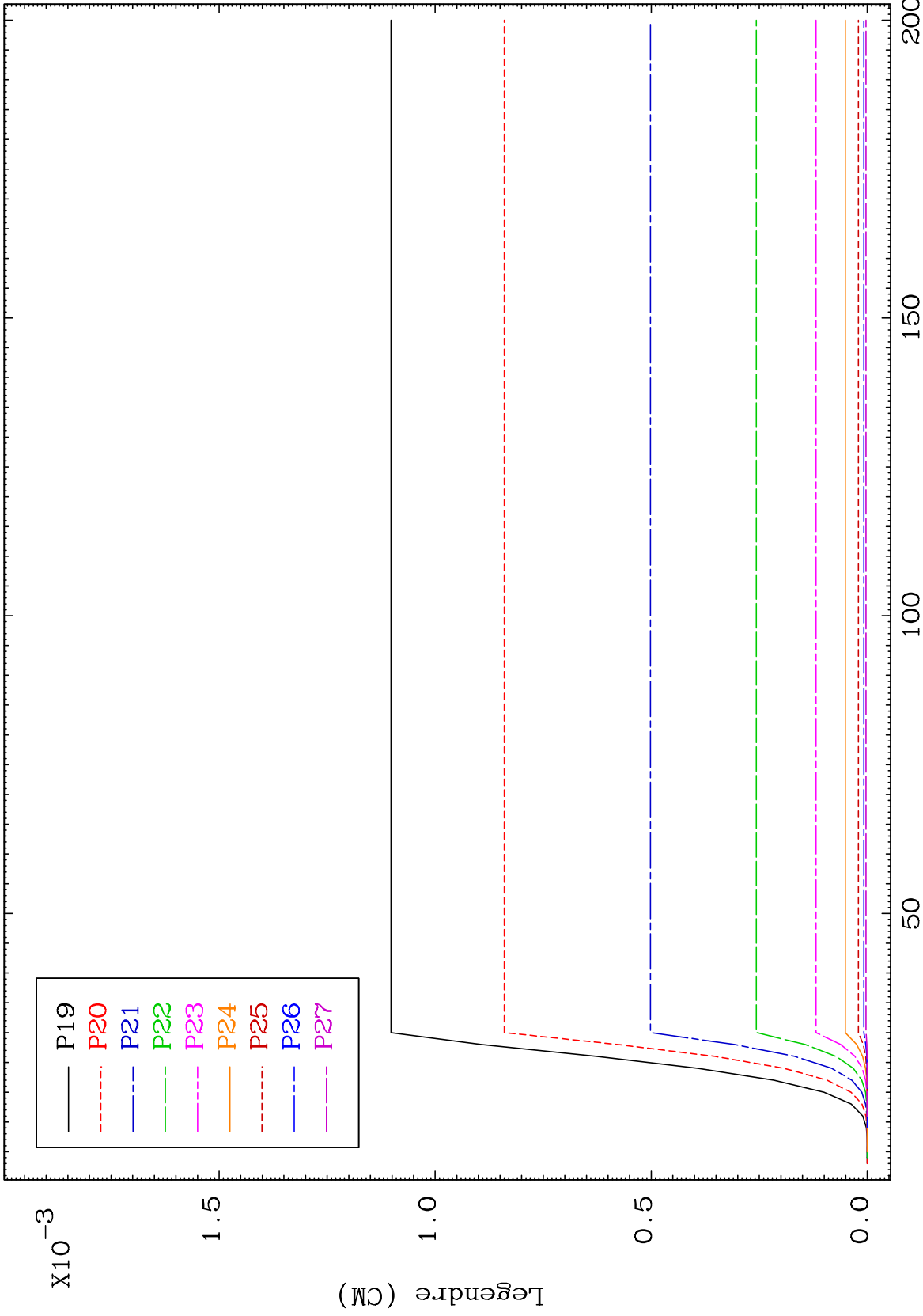
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



50

50

100

150

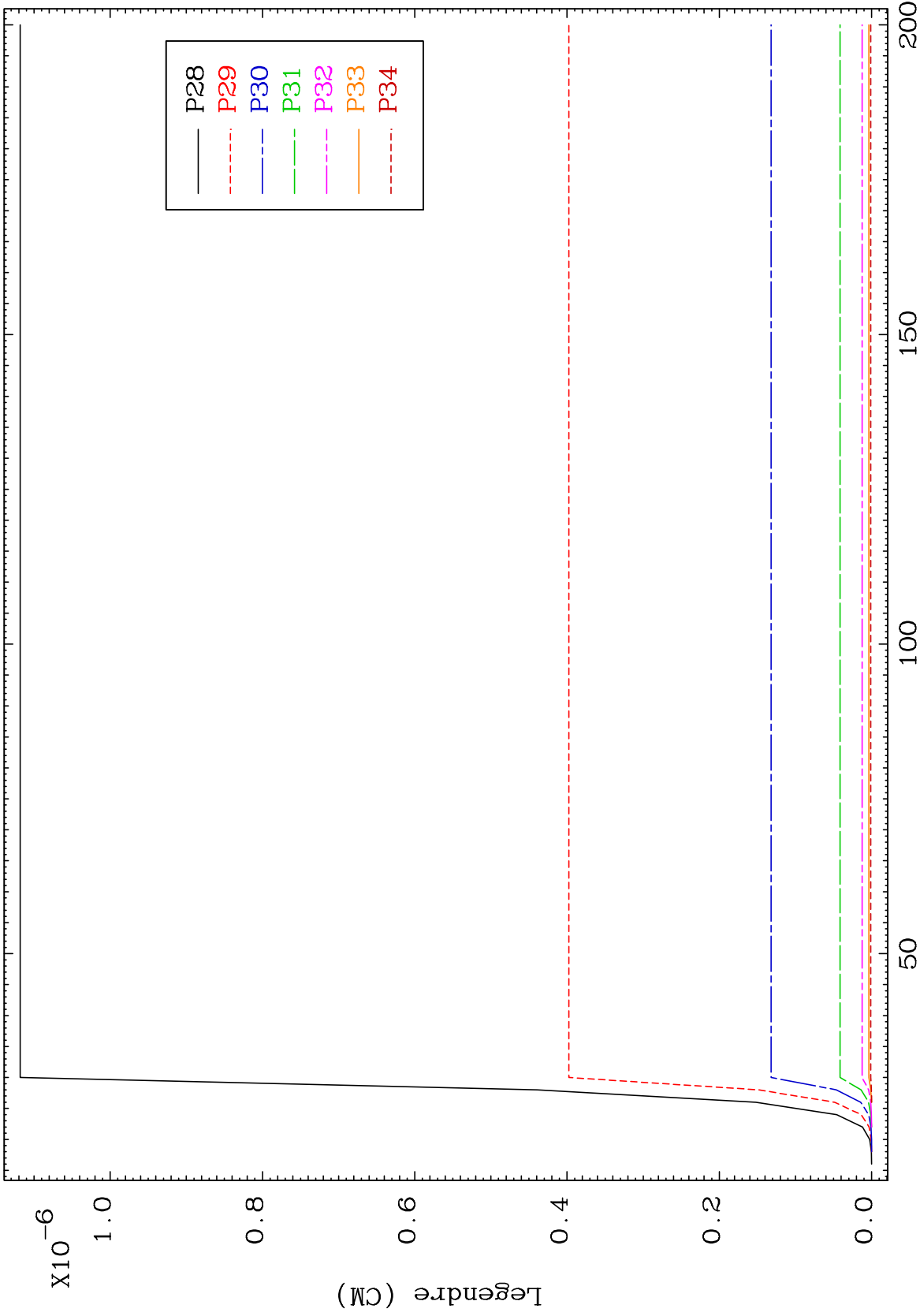
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54-Xe-116

MAT 5401

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

54-Xe-116



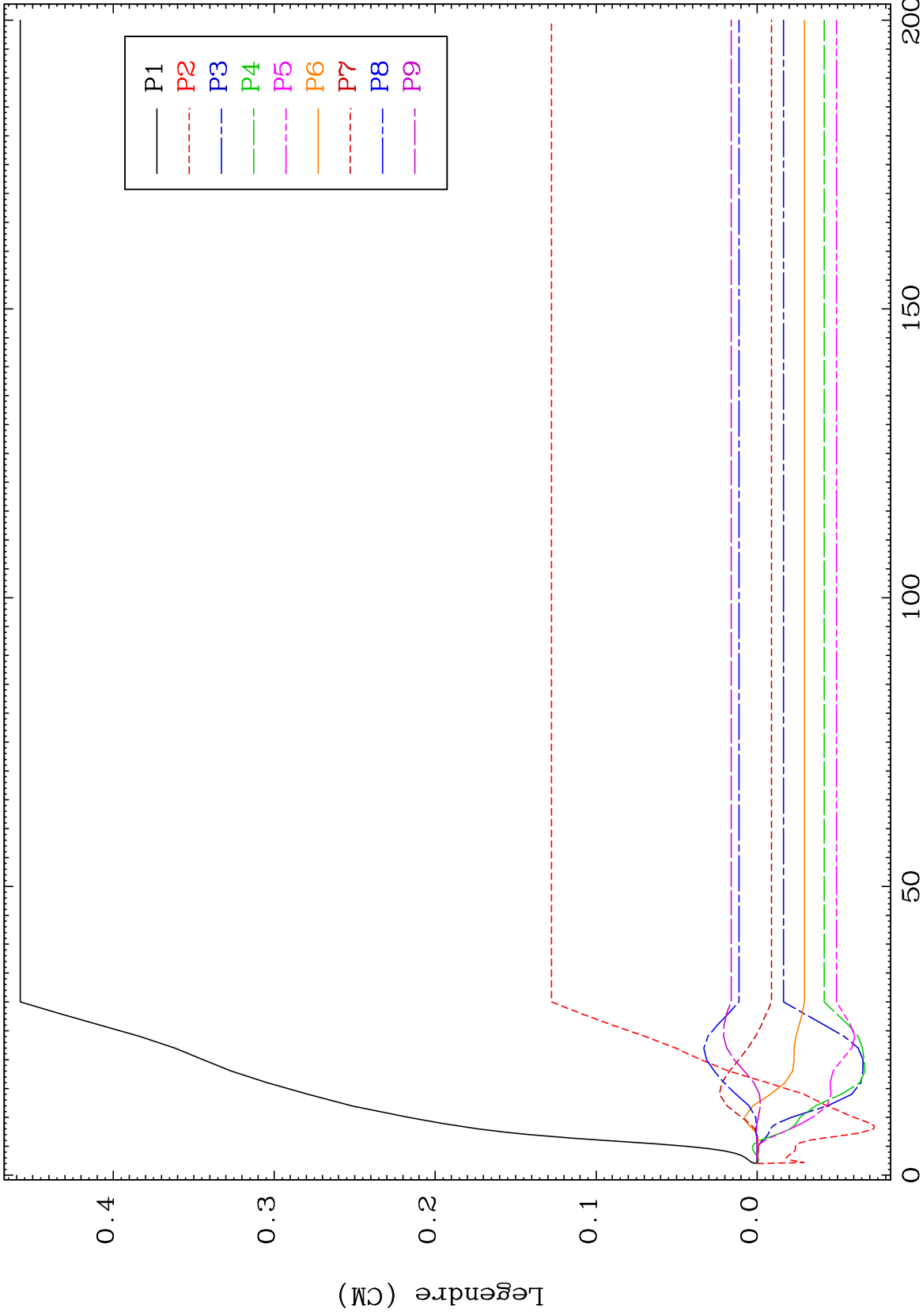
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54-Xe-116

MAT 5401

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

54-Xe-116



52

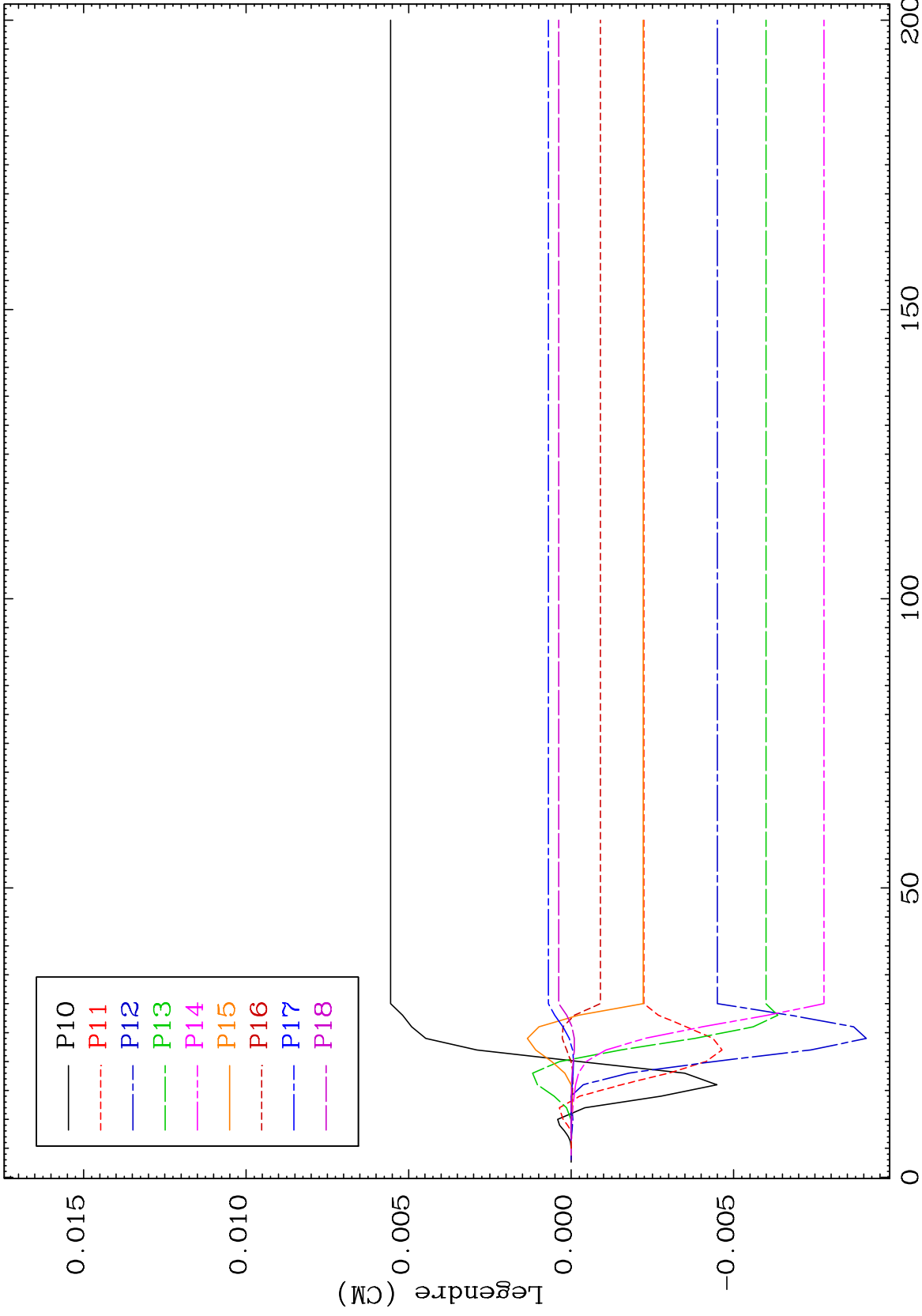
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



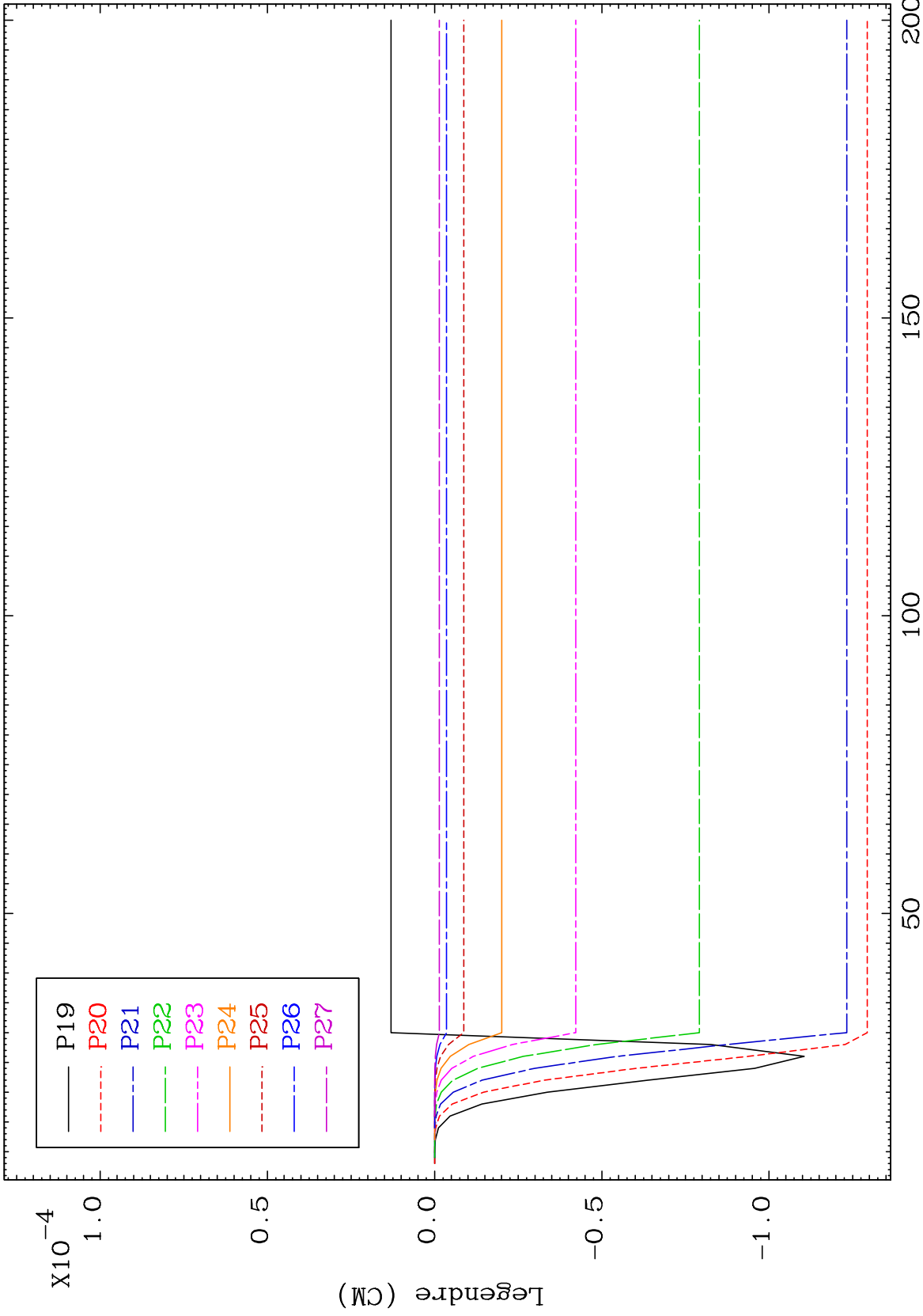
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54-Xe-116

MAT 5401

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

54-Xe-116



54

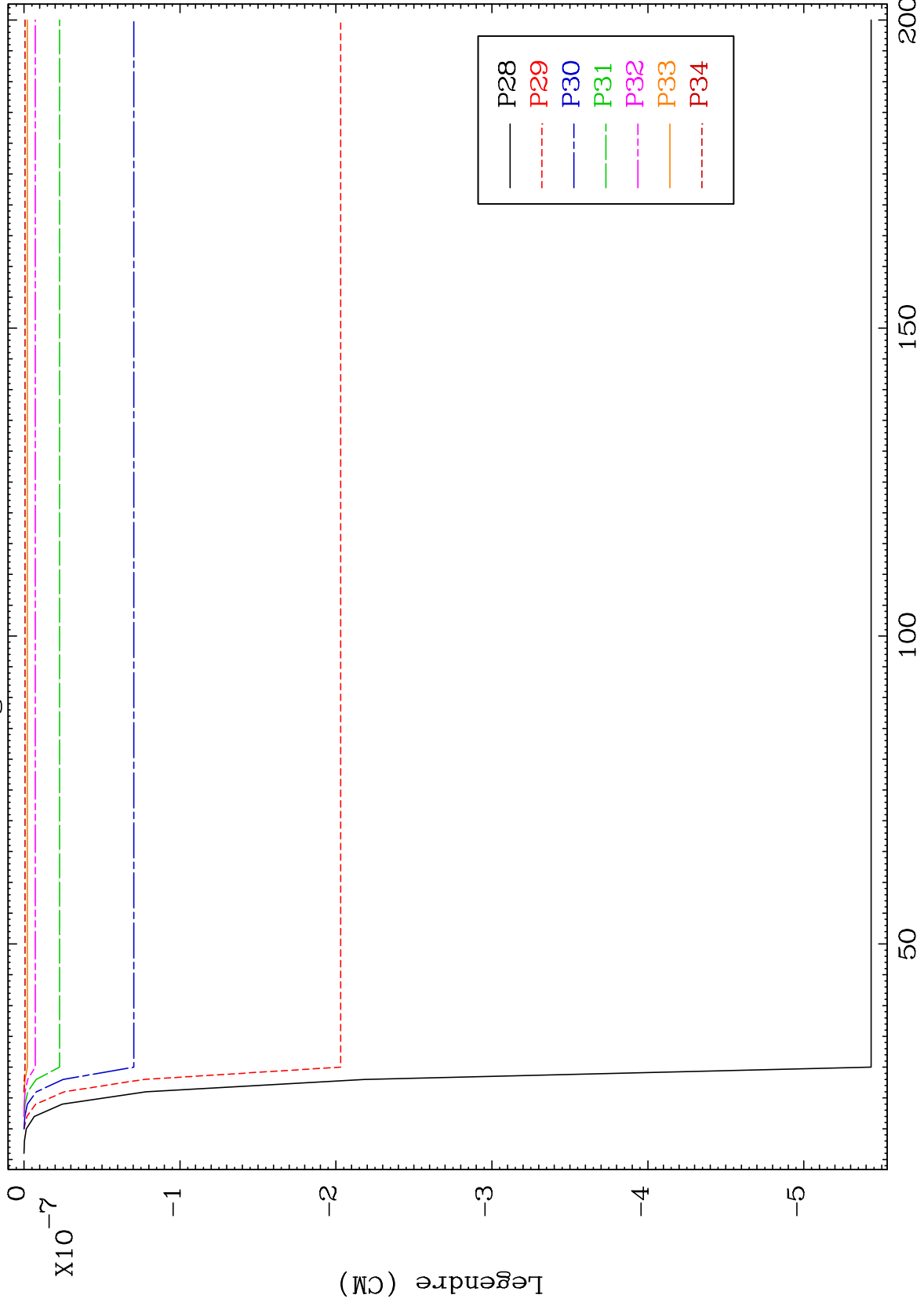
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



54-Xe-116

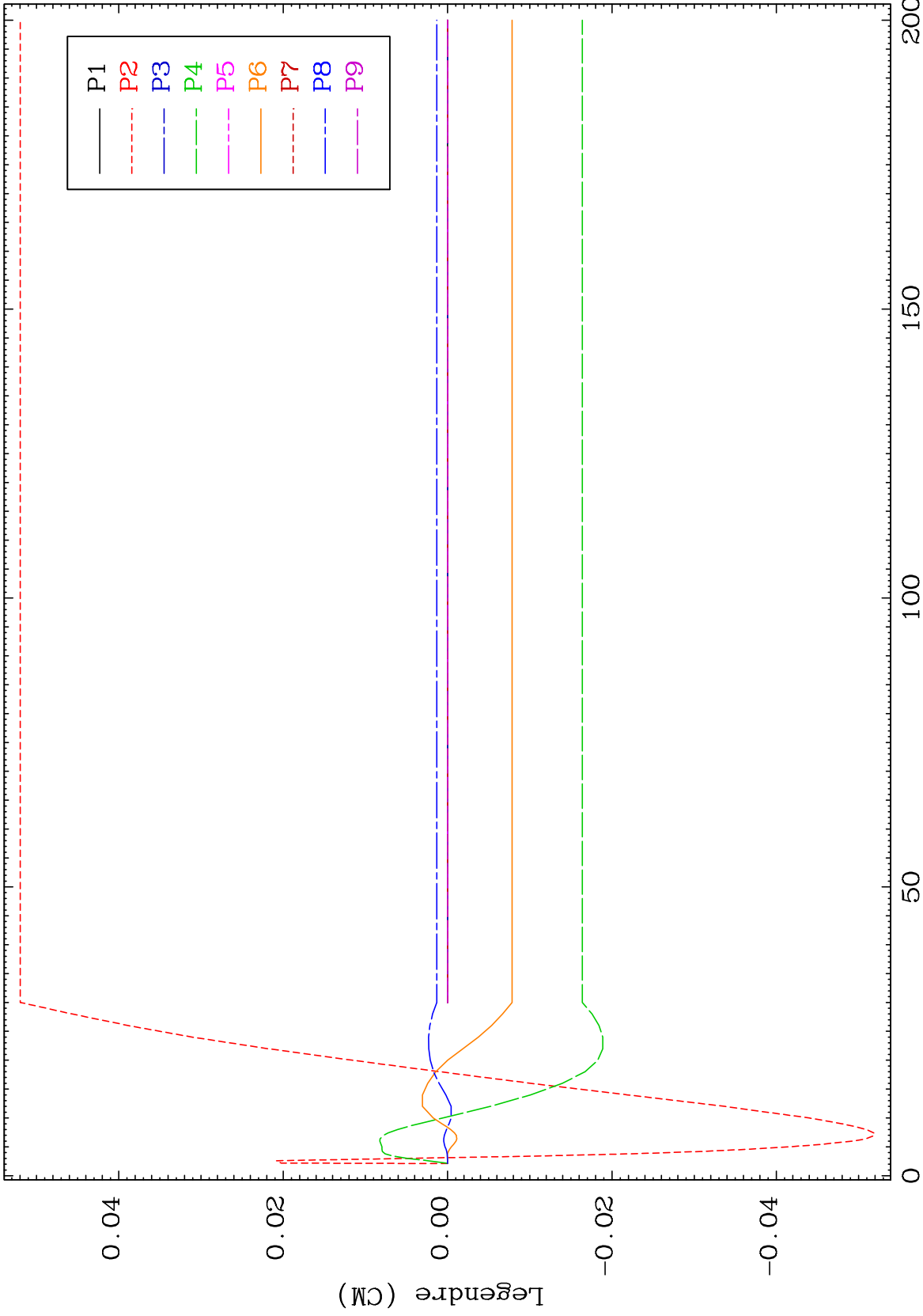
Incident Energy (MeV)

55

MAT 5401

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

54-Xe-116



54-Xe-116

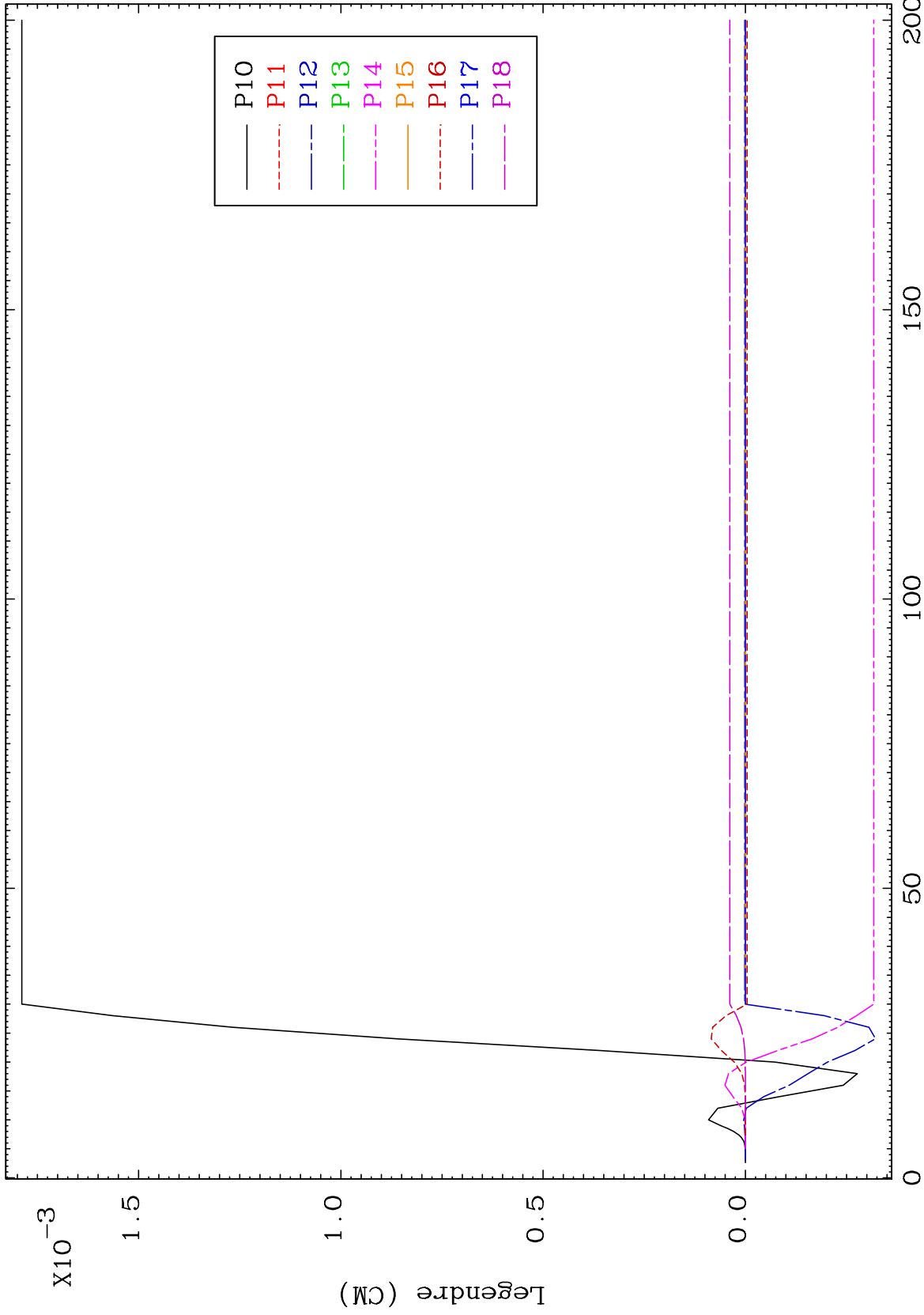
Incident Energy (MeV)

56

MAT 5401

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

54-Xe-116



57

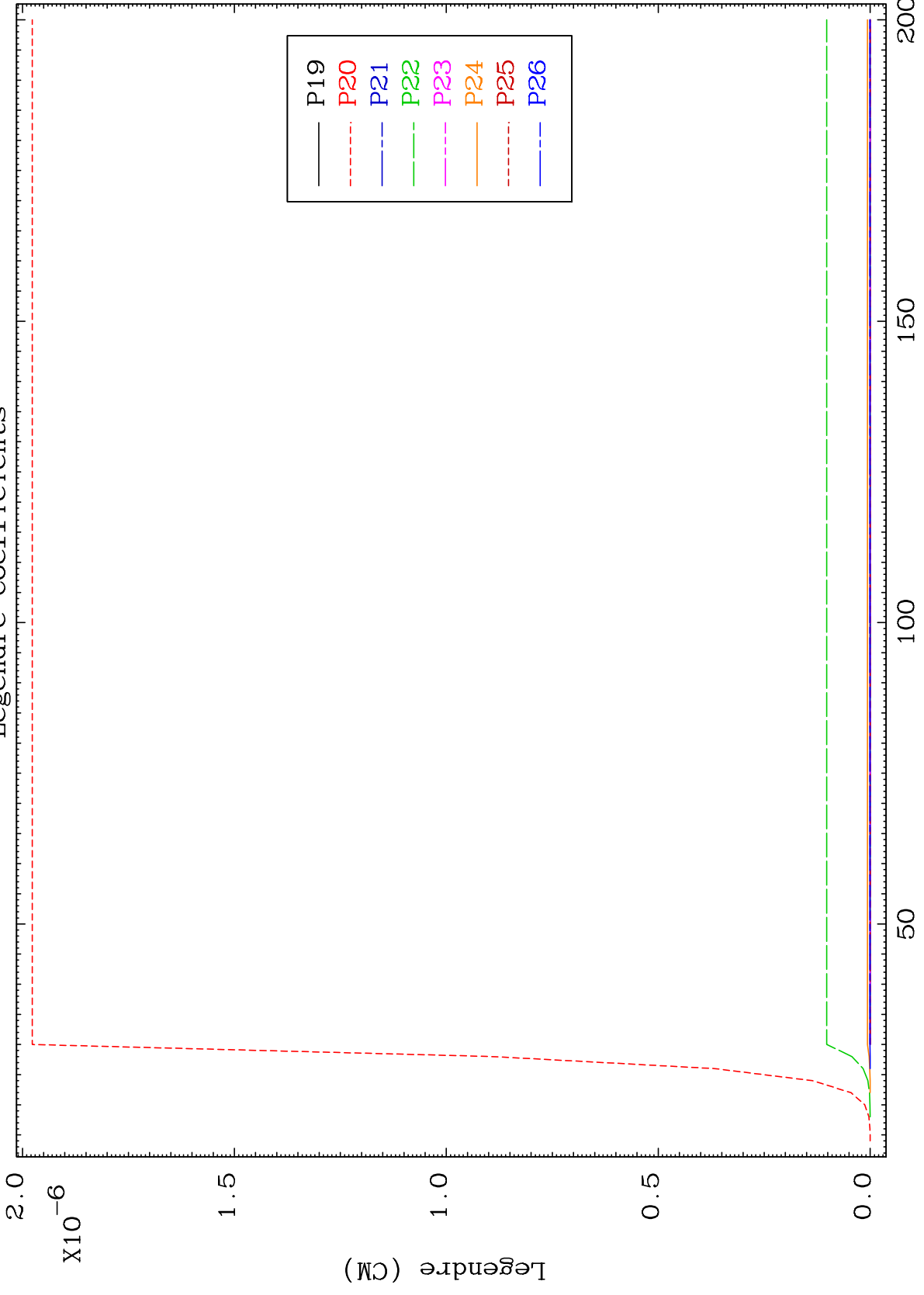
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



54-Xe-116

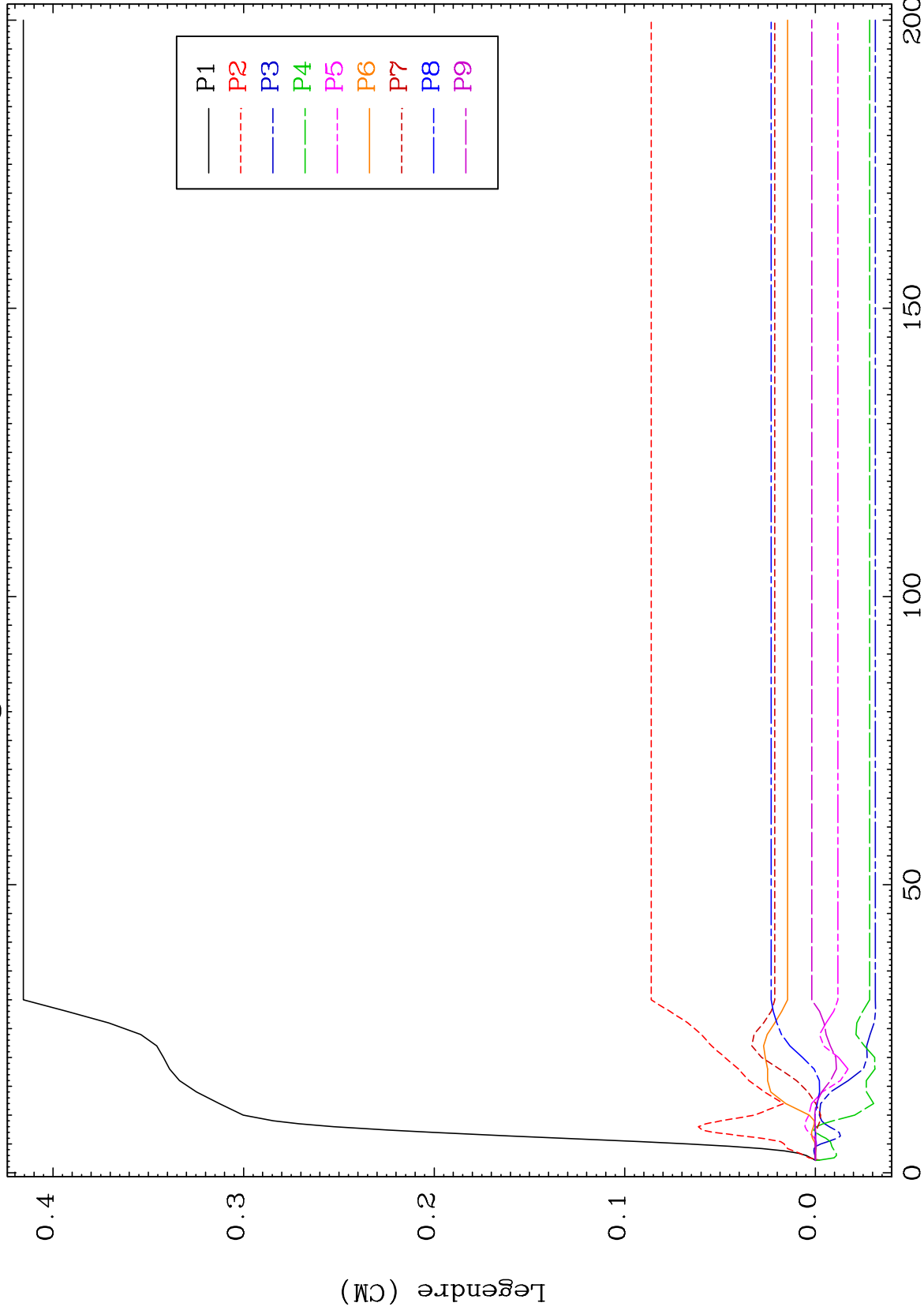
Incident Energy (MeV)

58

MAT 5401

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

54-Xe-116



59

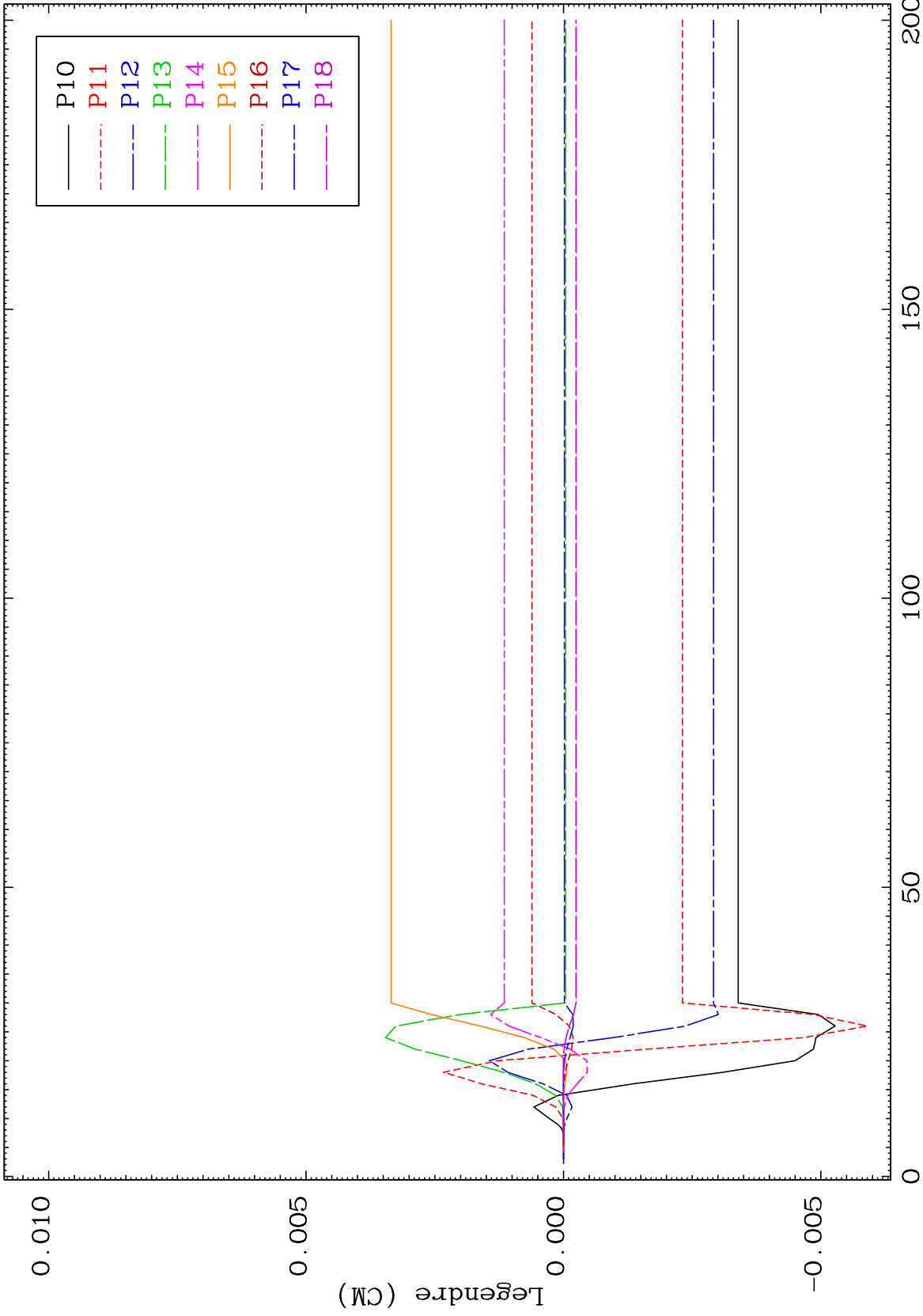
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



54-Xe-116

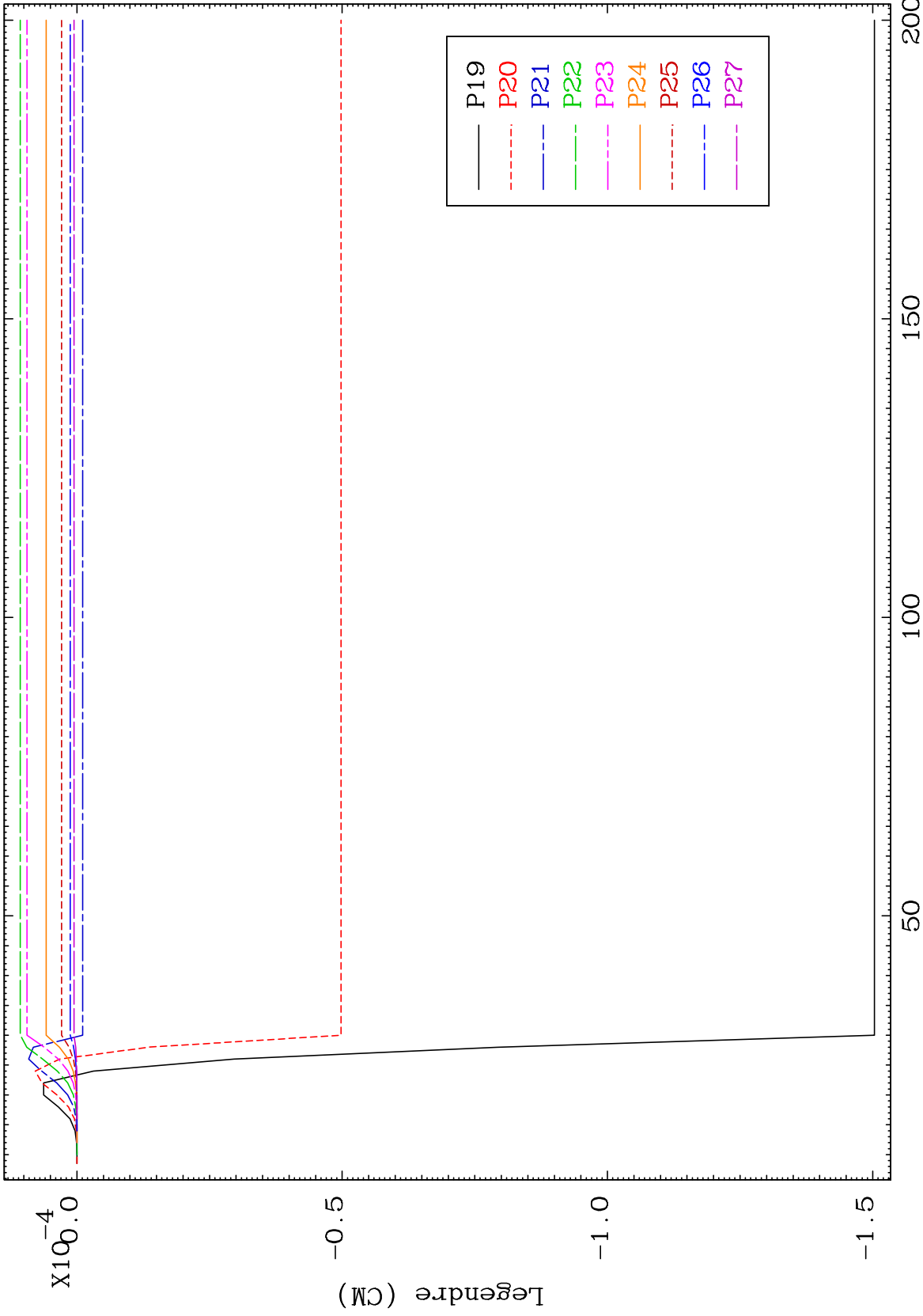
Incident Energy (MeV)

60

MAT 5401

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

54-Xe-116



61

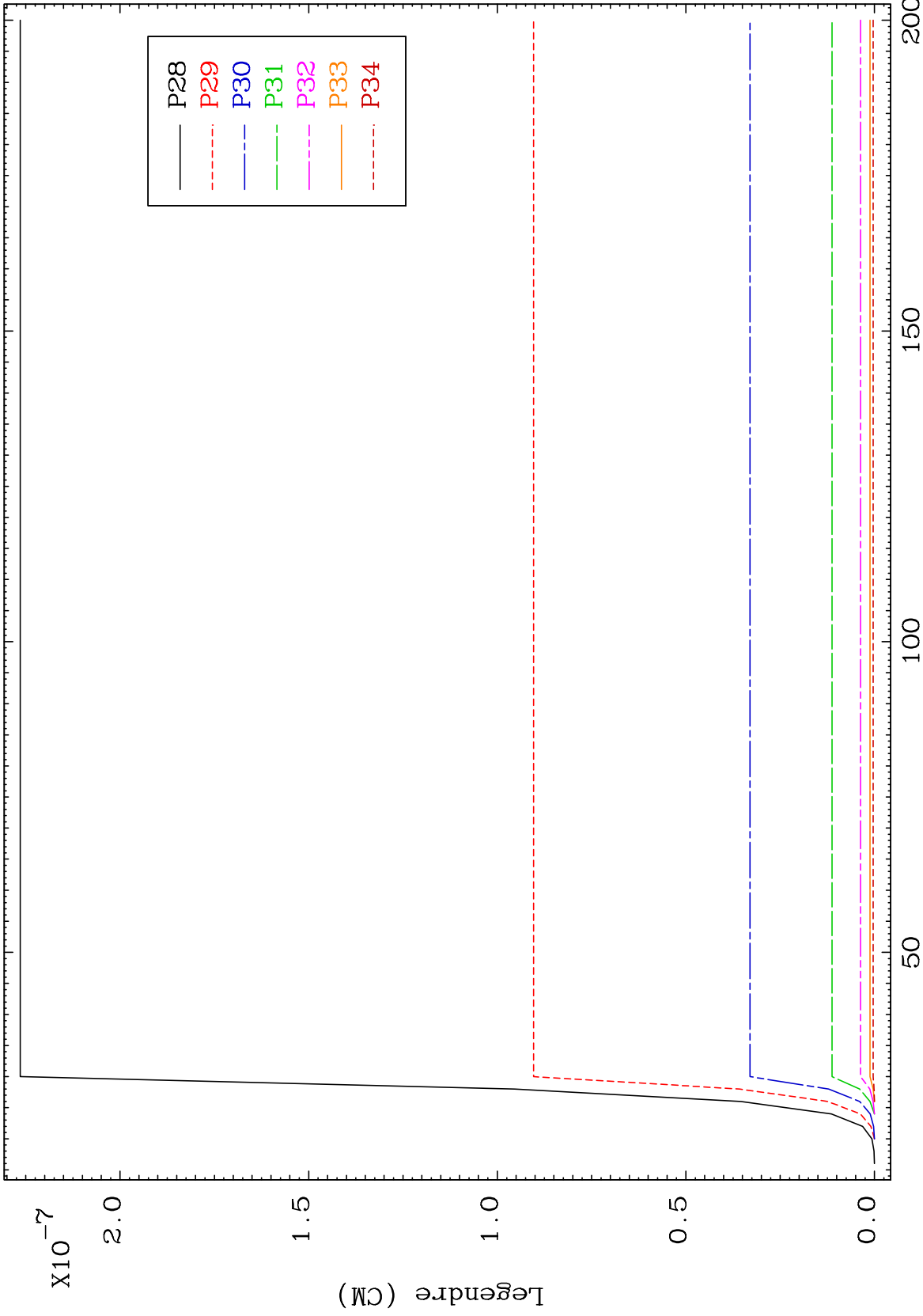
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



62

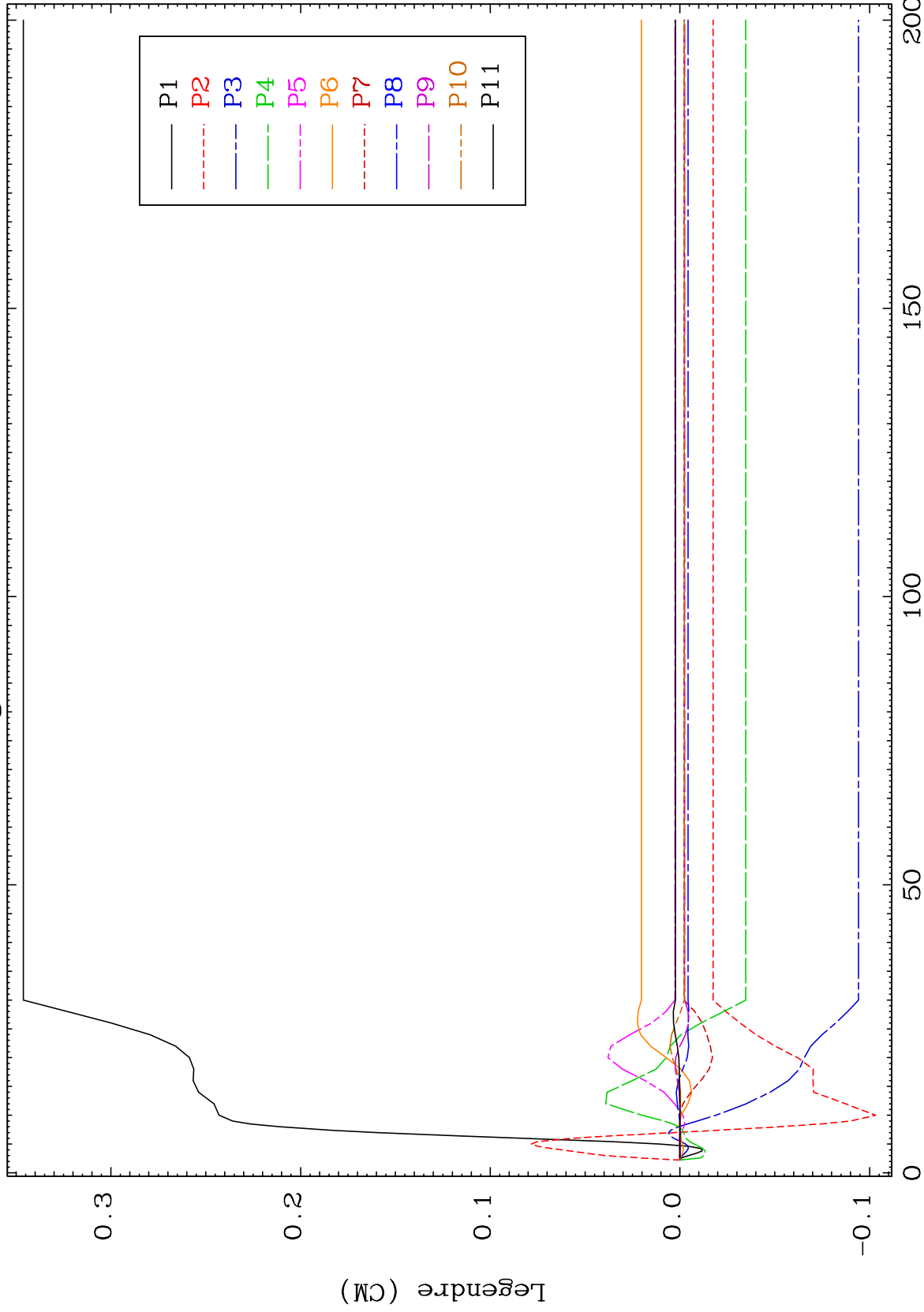
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



63

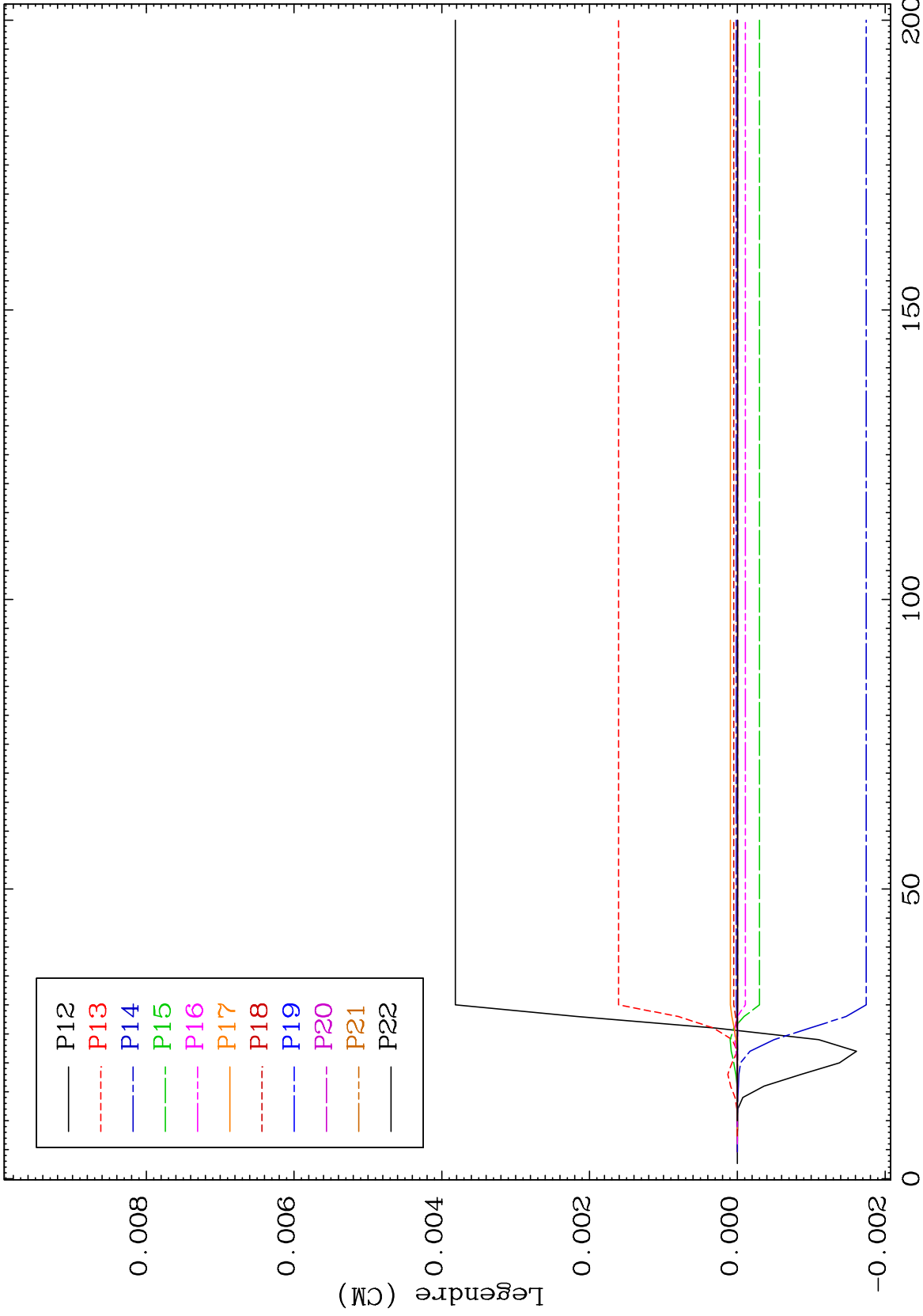
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



64

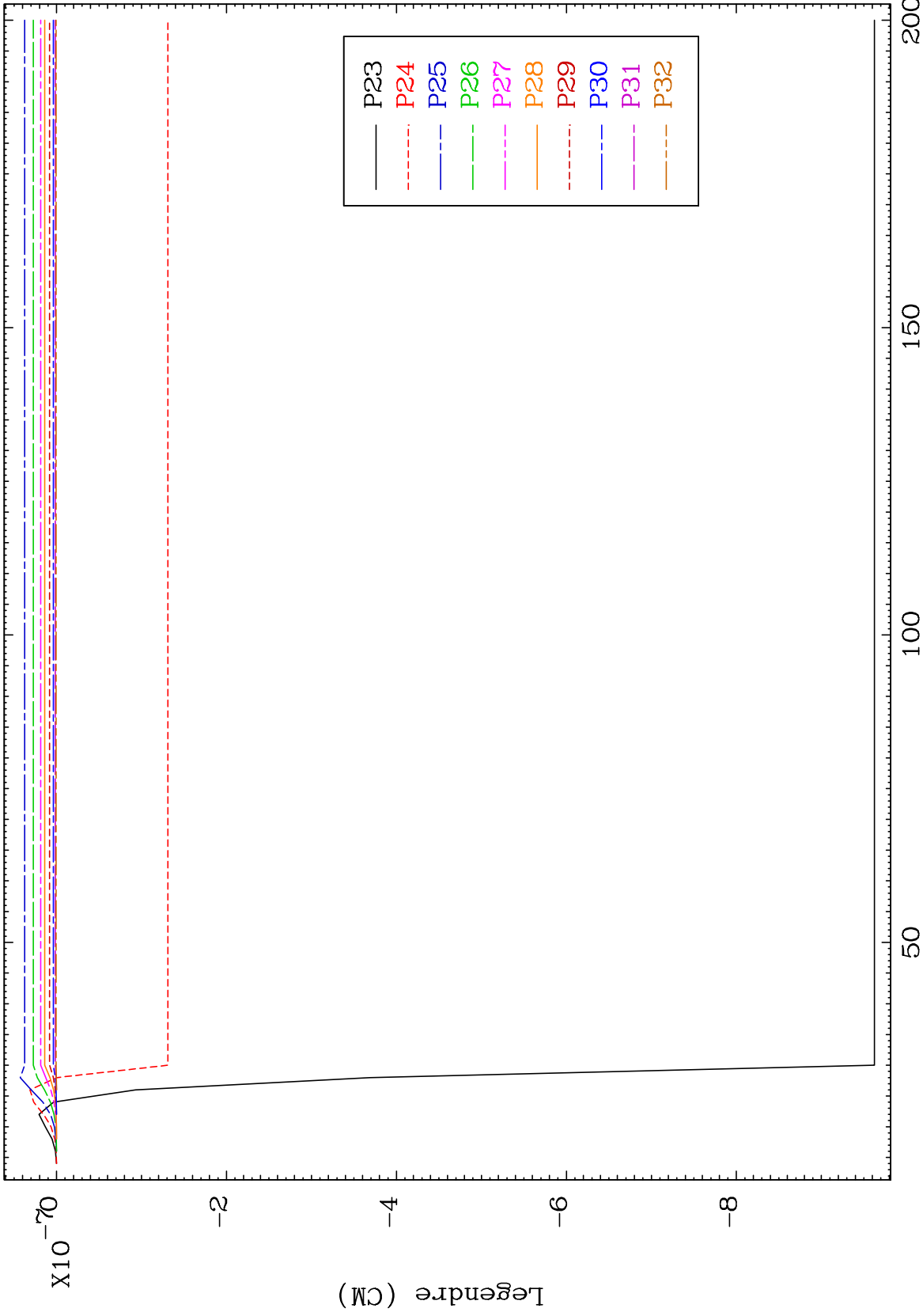
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



65

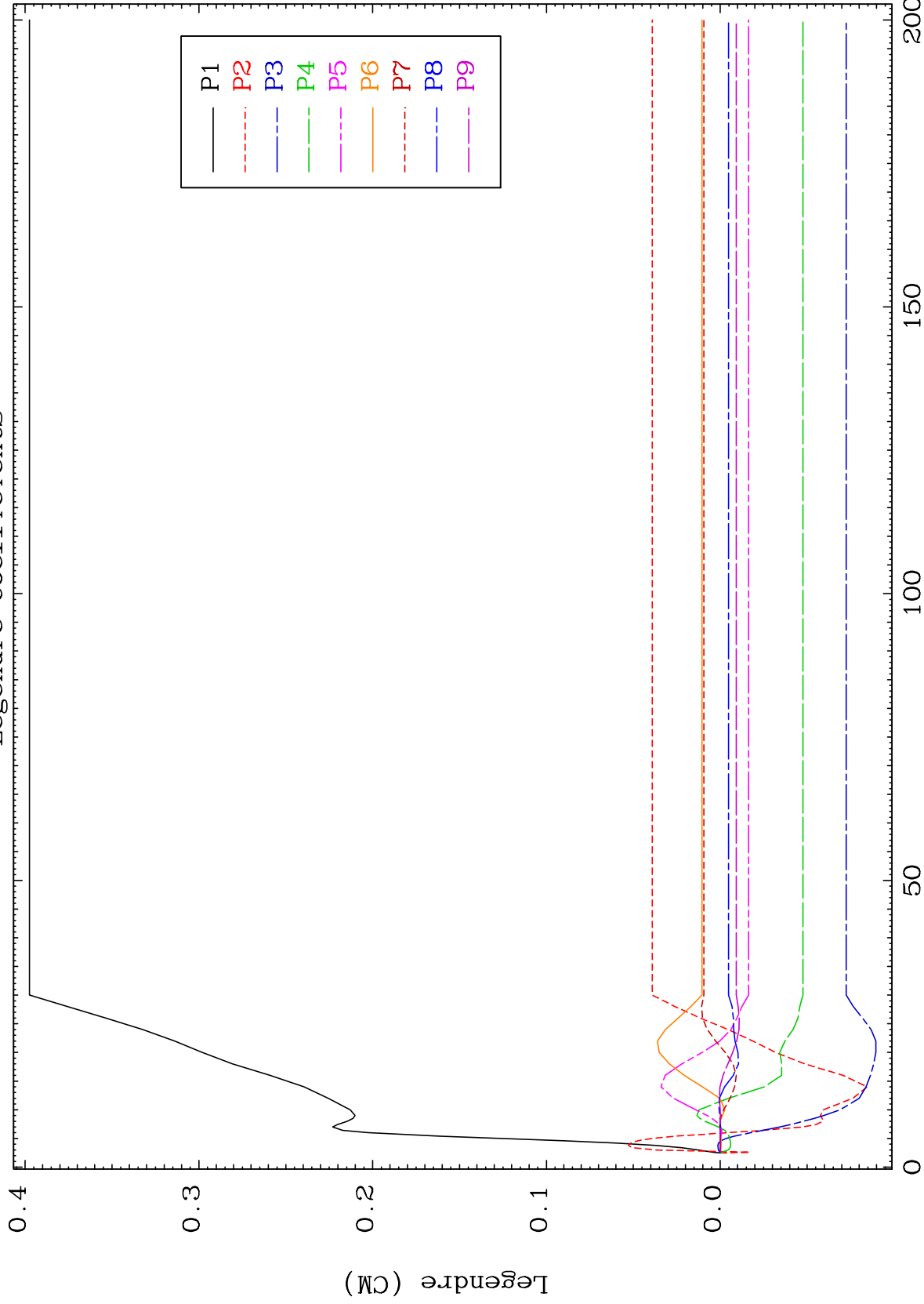
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



66

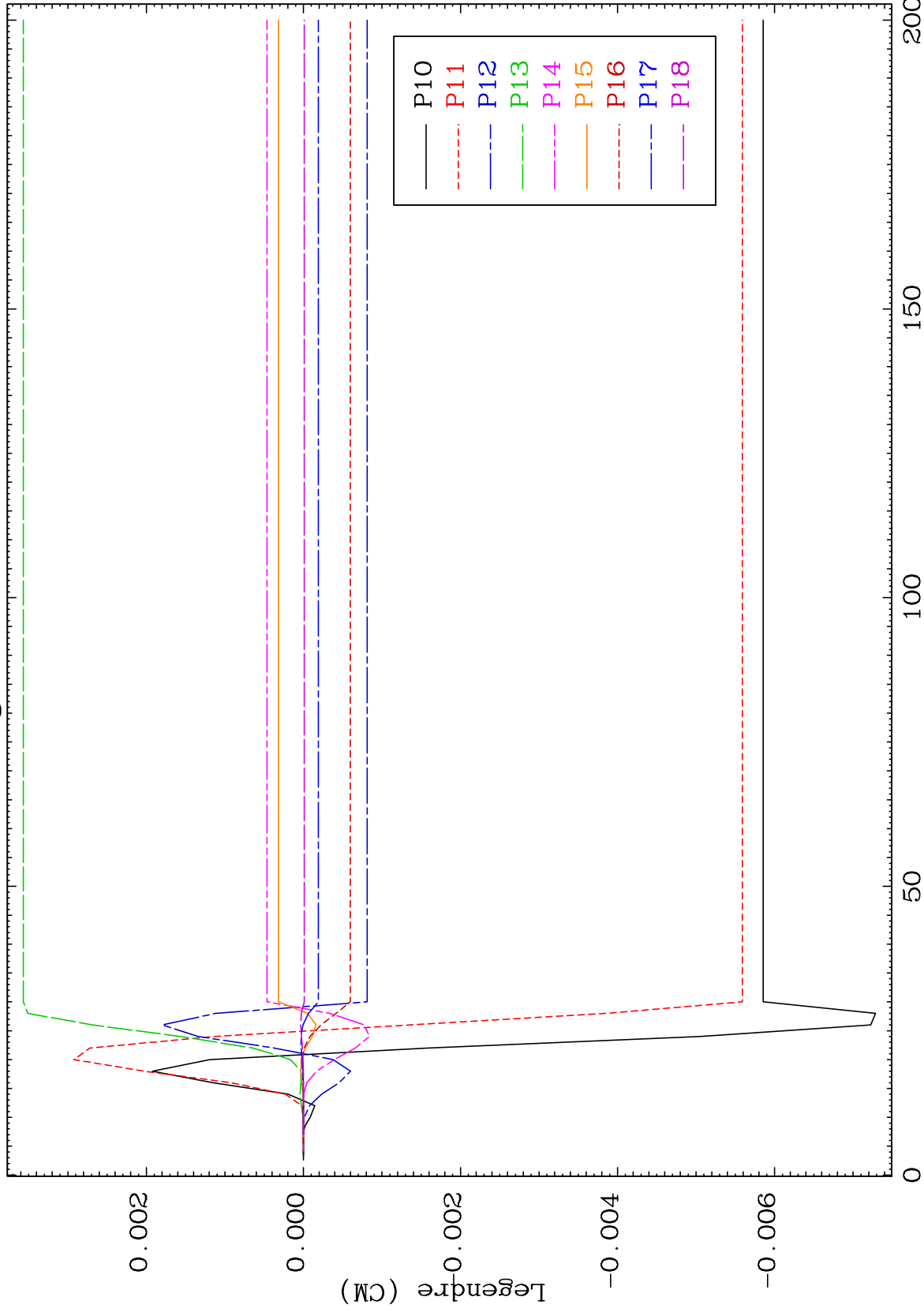
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



67

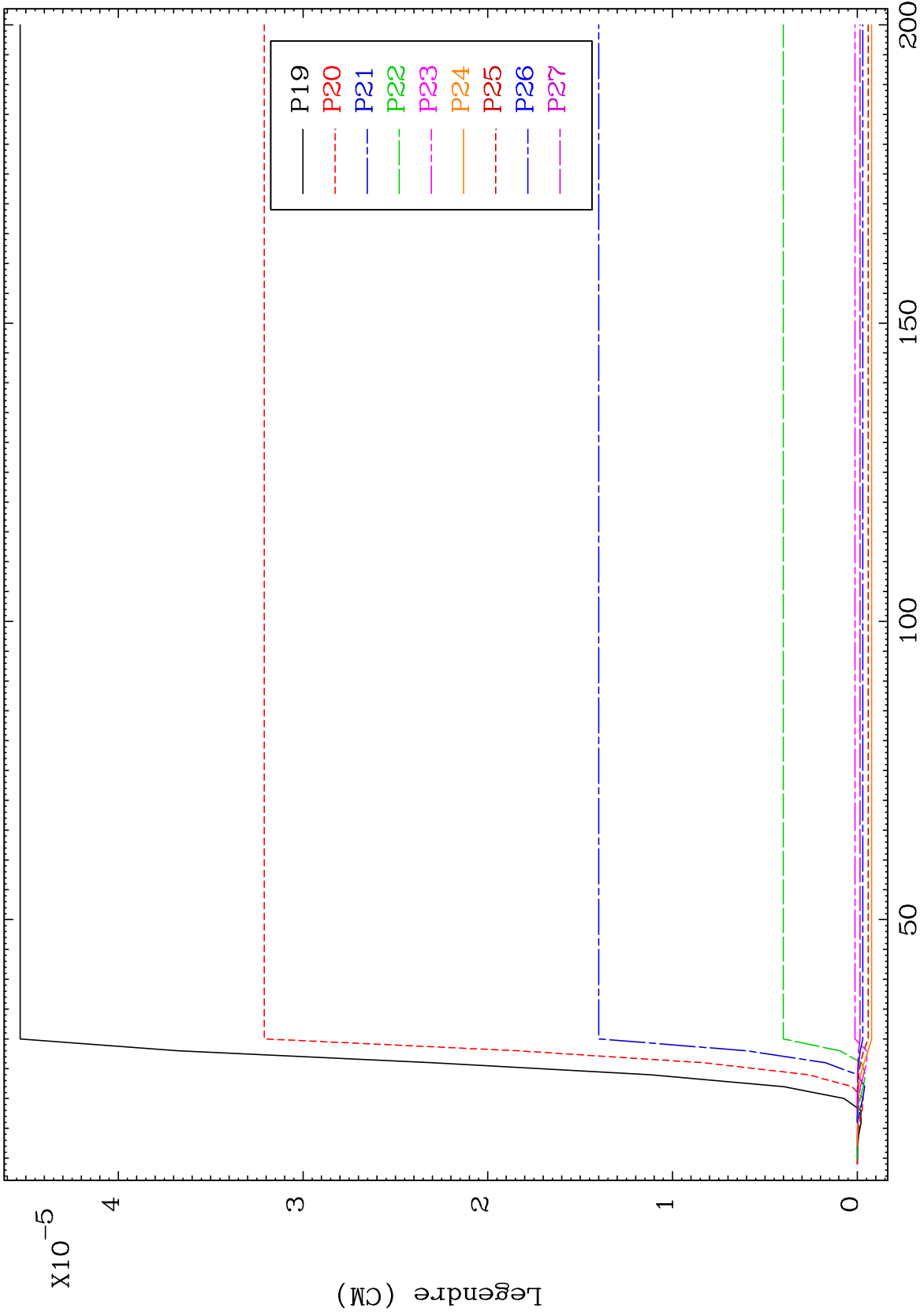
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



68

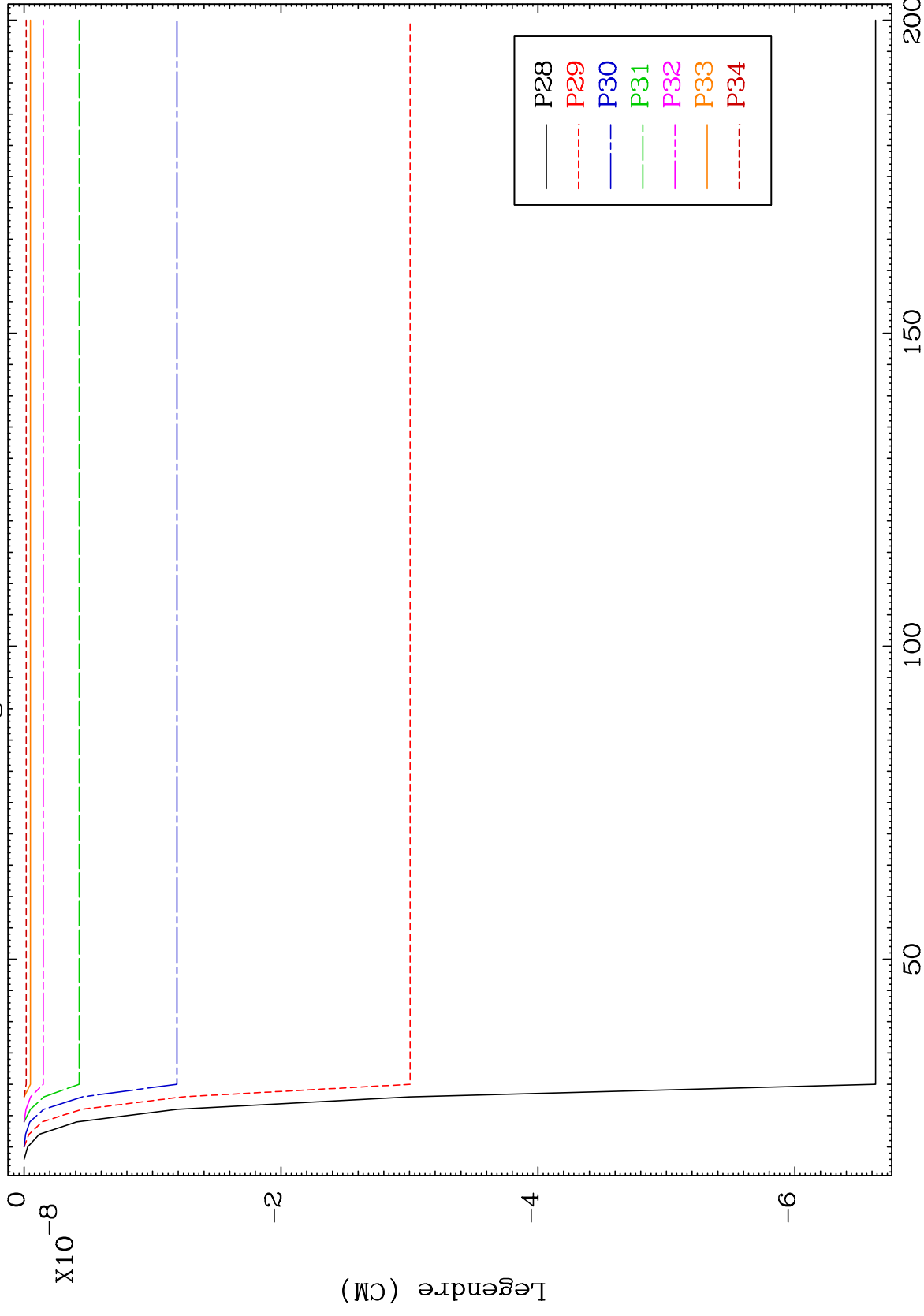
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



54-Xe-116

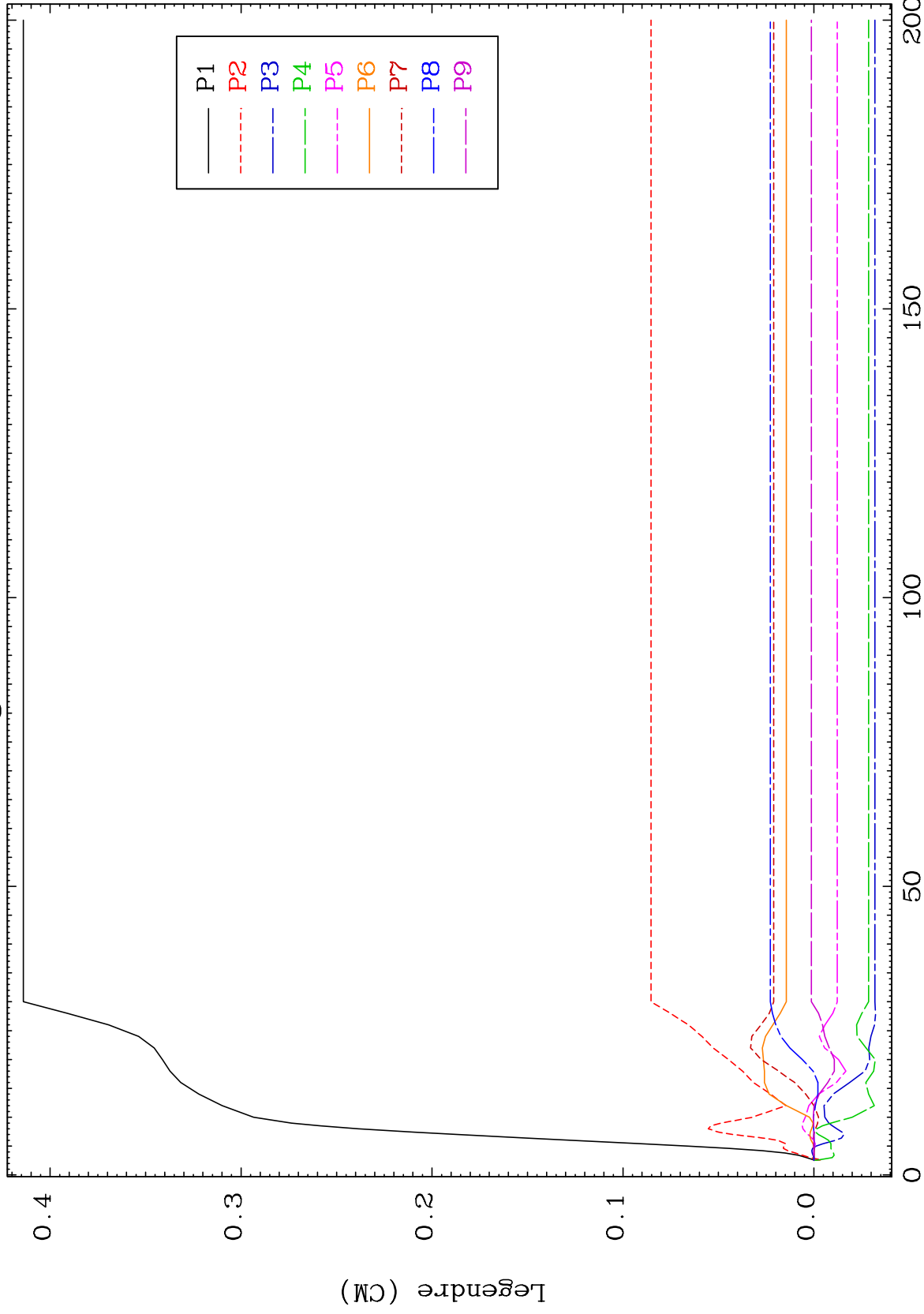
Incident Energy (MeV)

69

MAT 5401

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

54-Xe-116



70

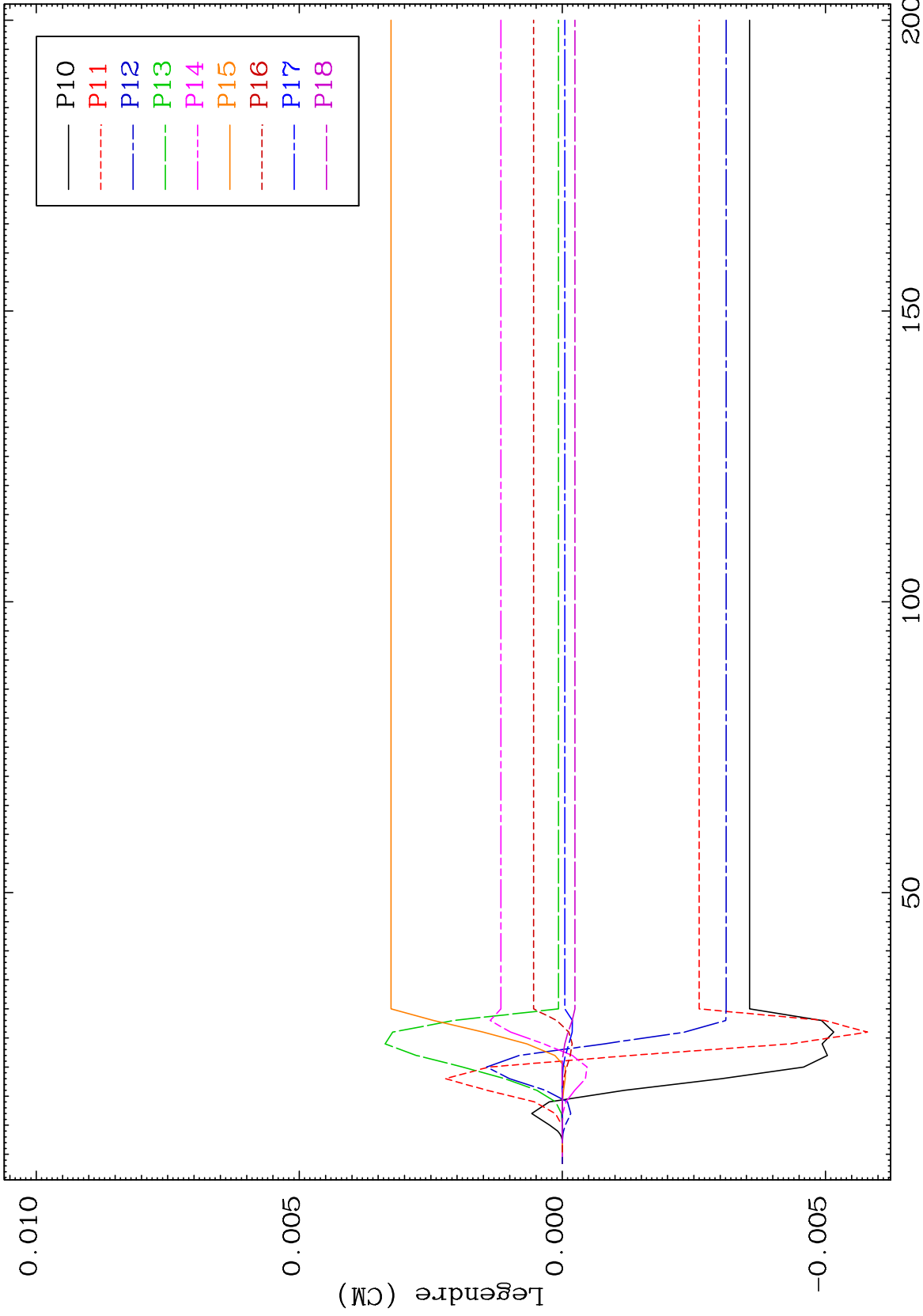
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



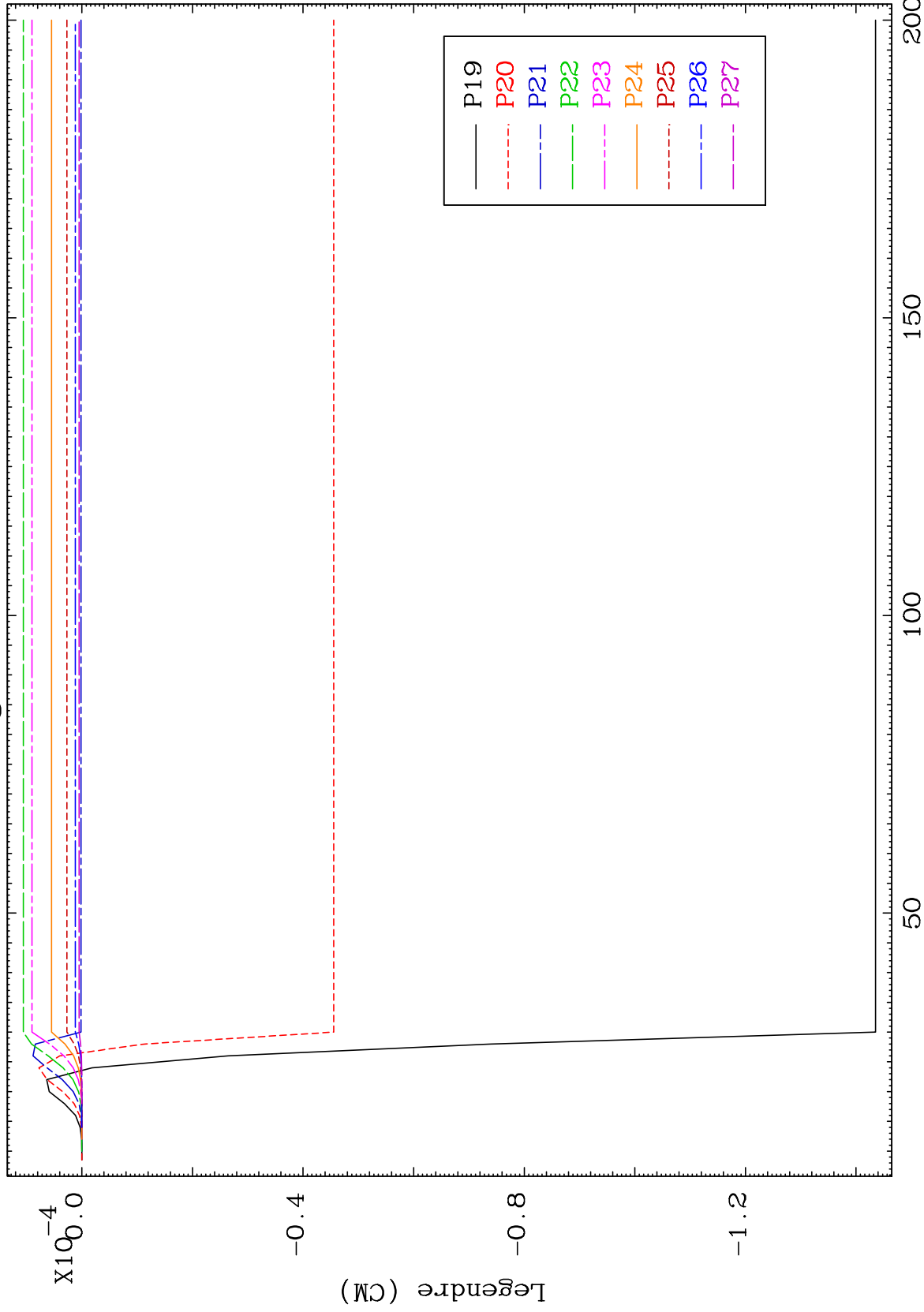
71

54-Xe-116

MAT 5401

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

54-Xe-116



72

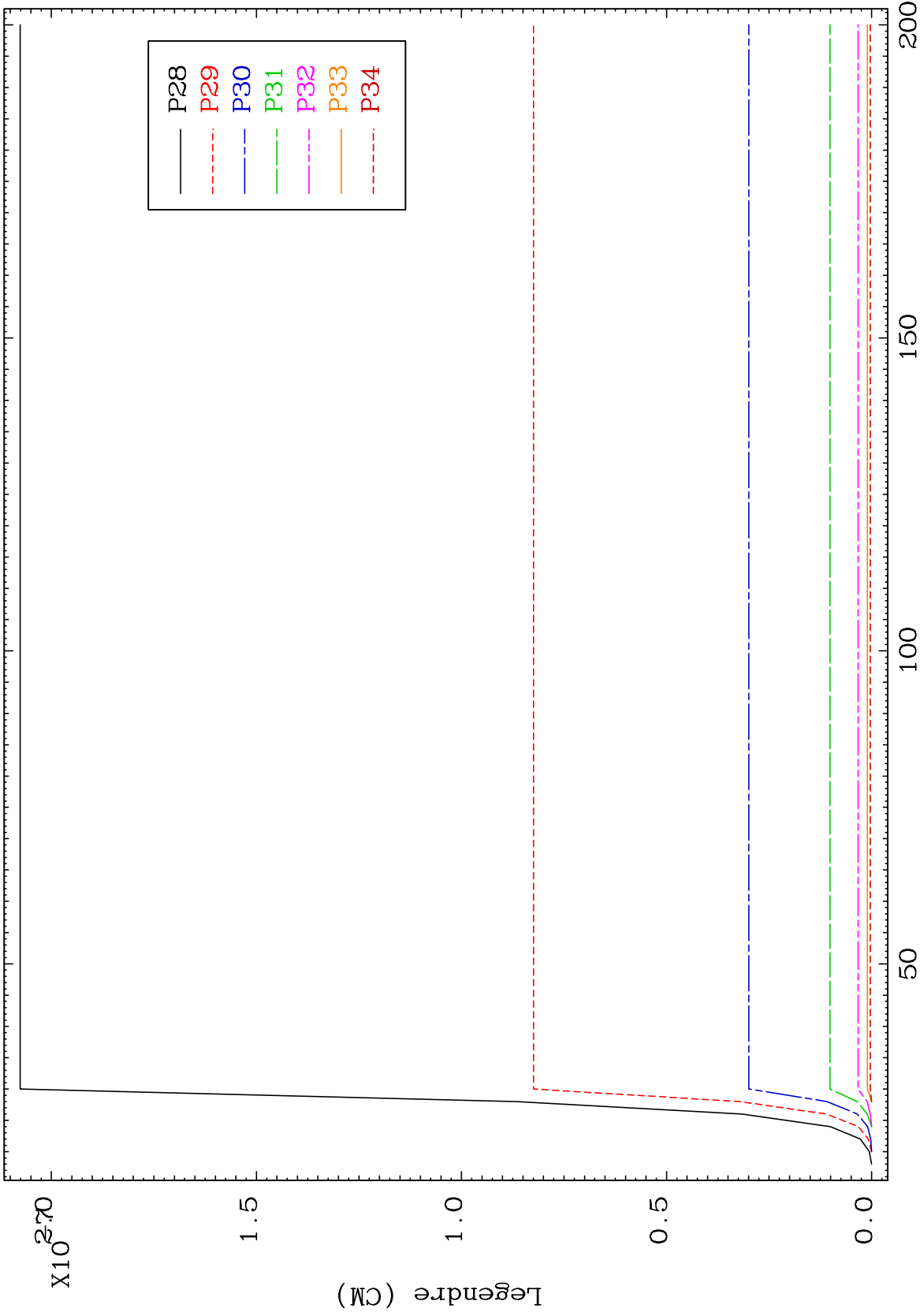
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



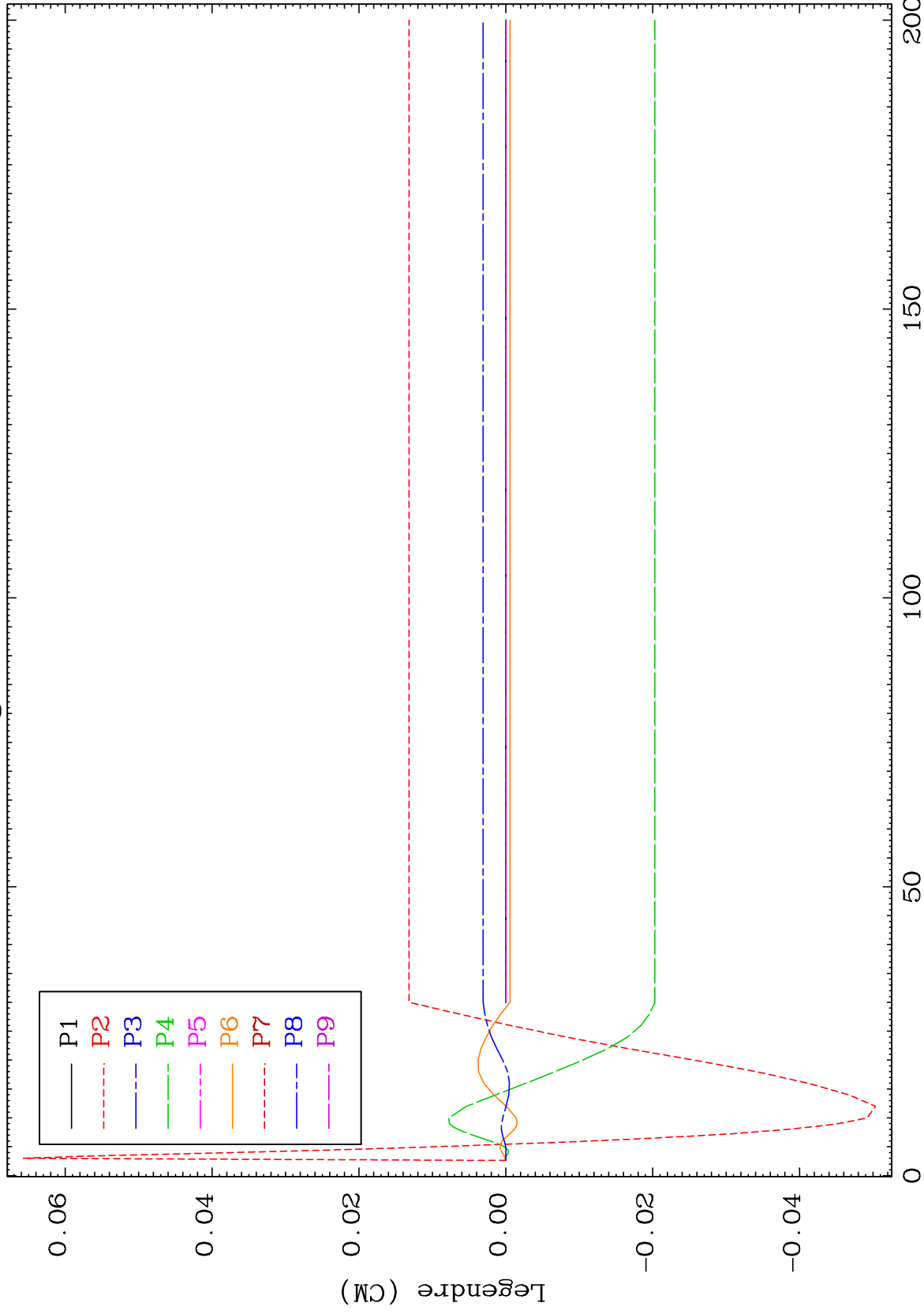
73

54-Xe-116

MAT 5401

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

54-Xe-116



74

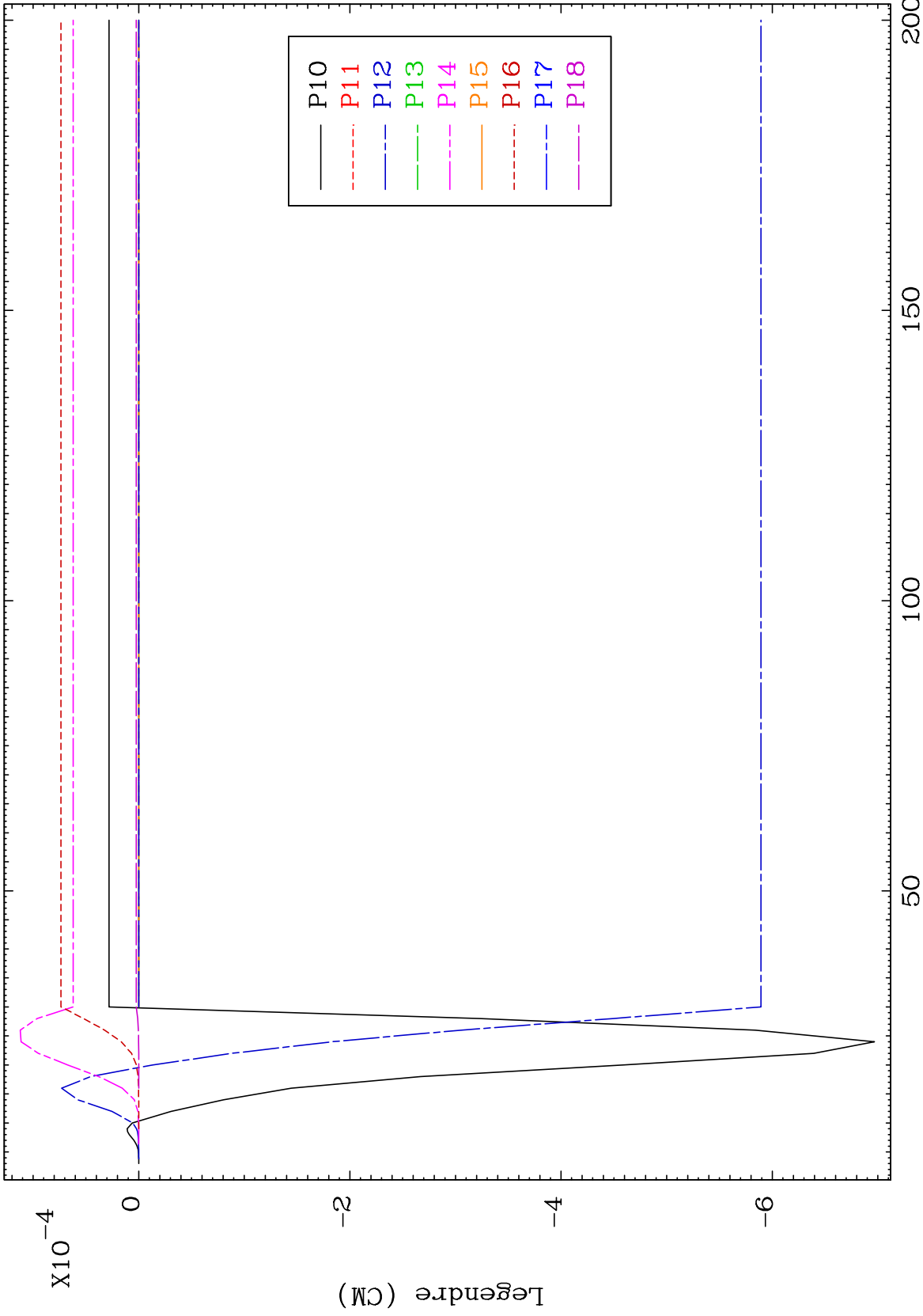
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



75

Incident Energy (MeV)

150

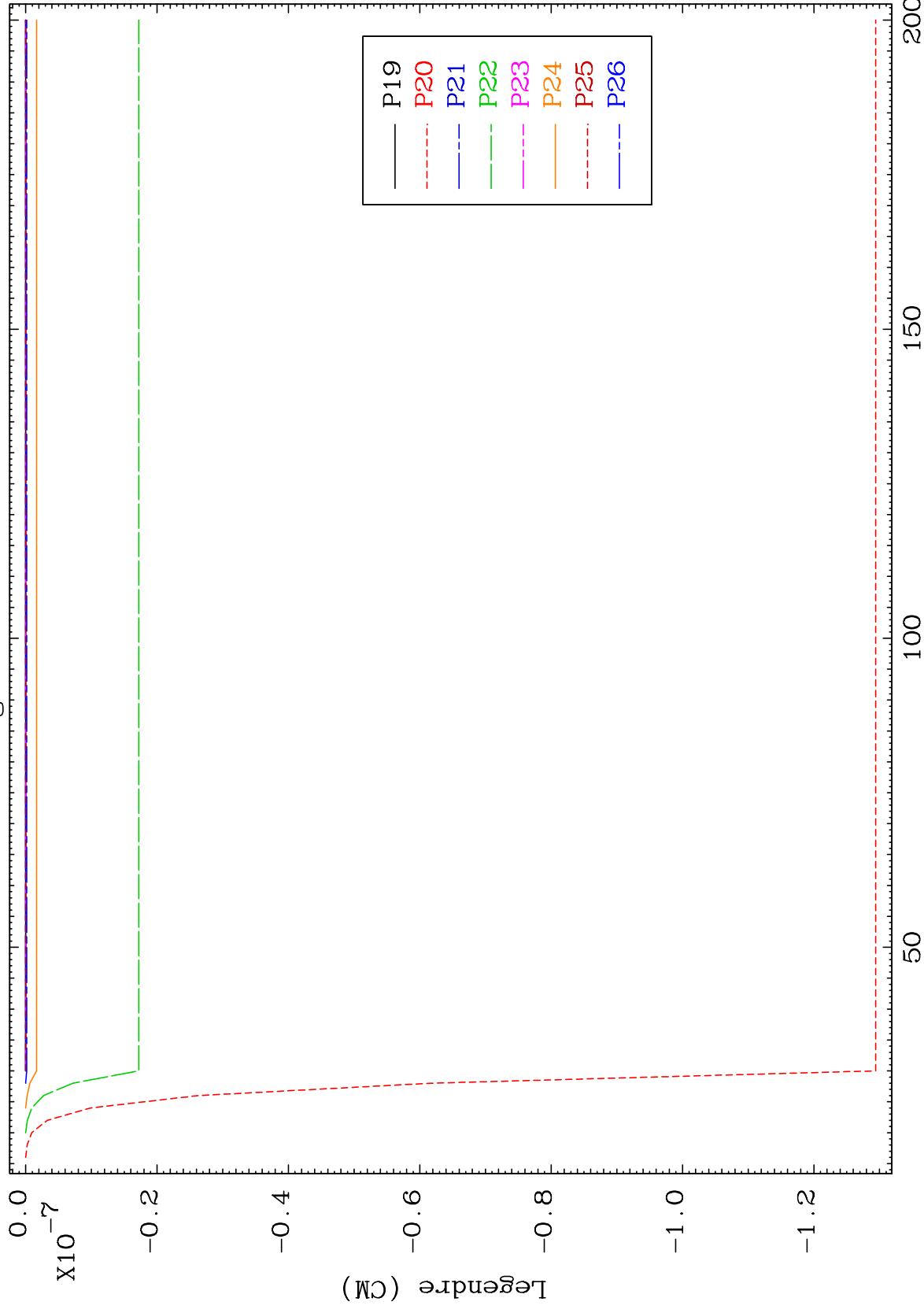
54-Xe-116

200

MAT 5401

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

54-Xe-116



76

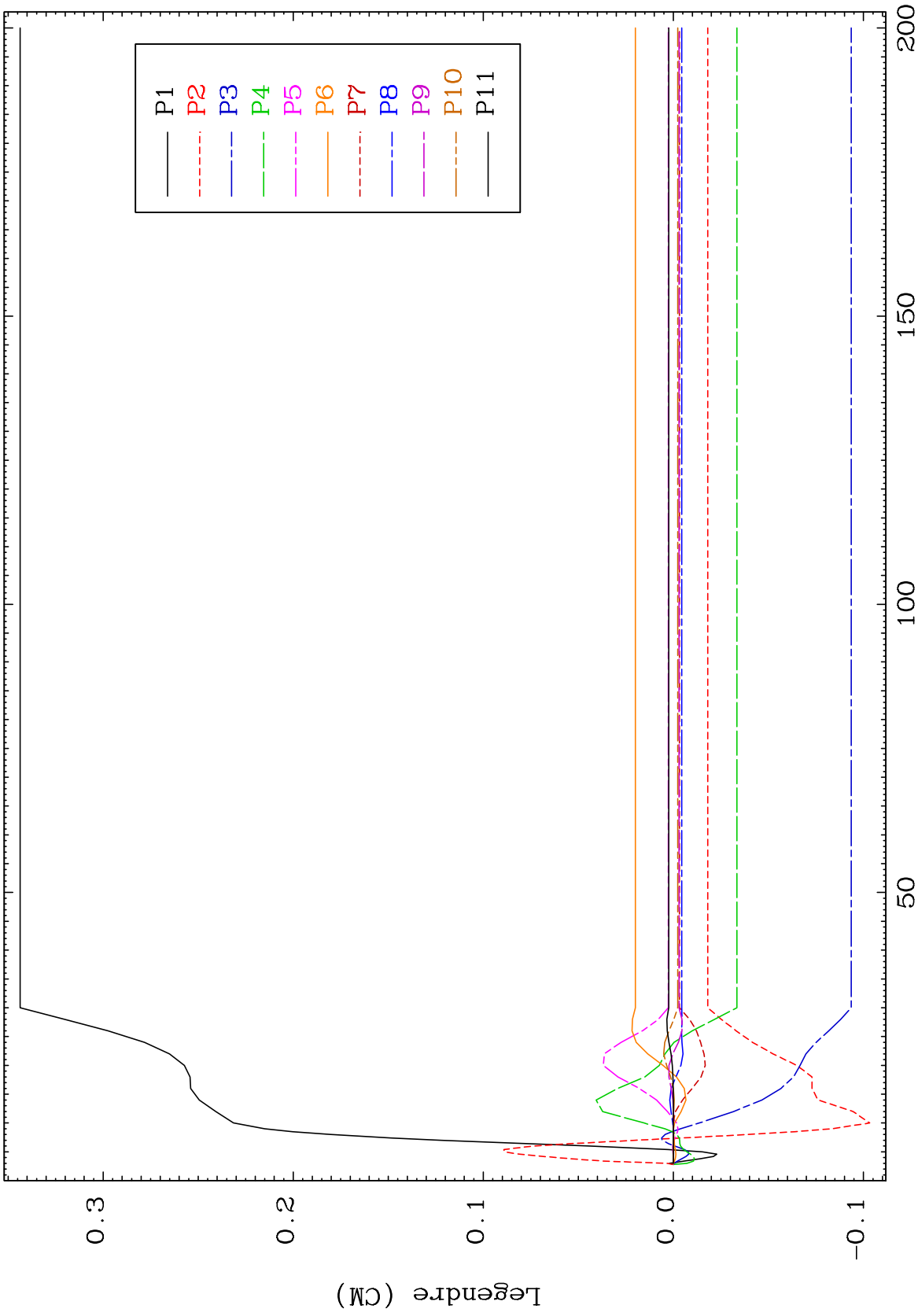
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



77

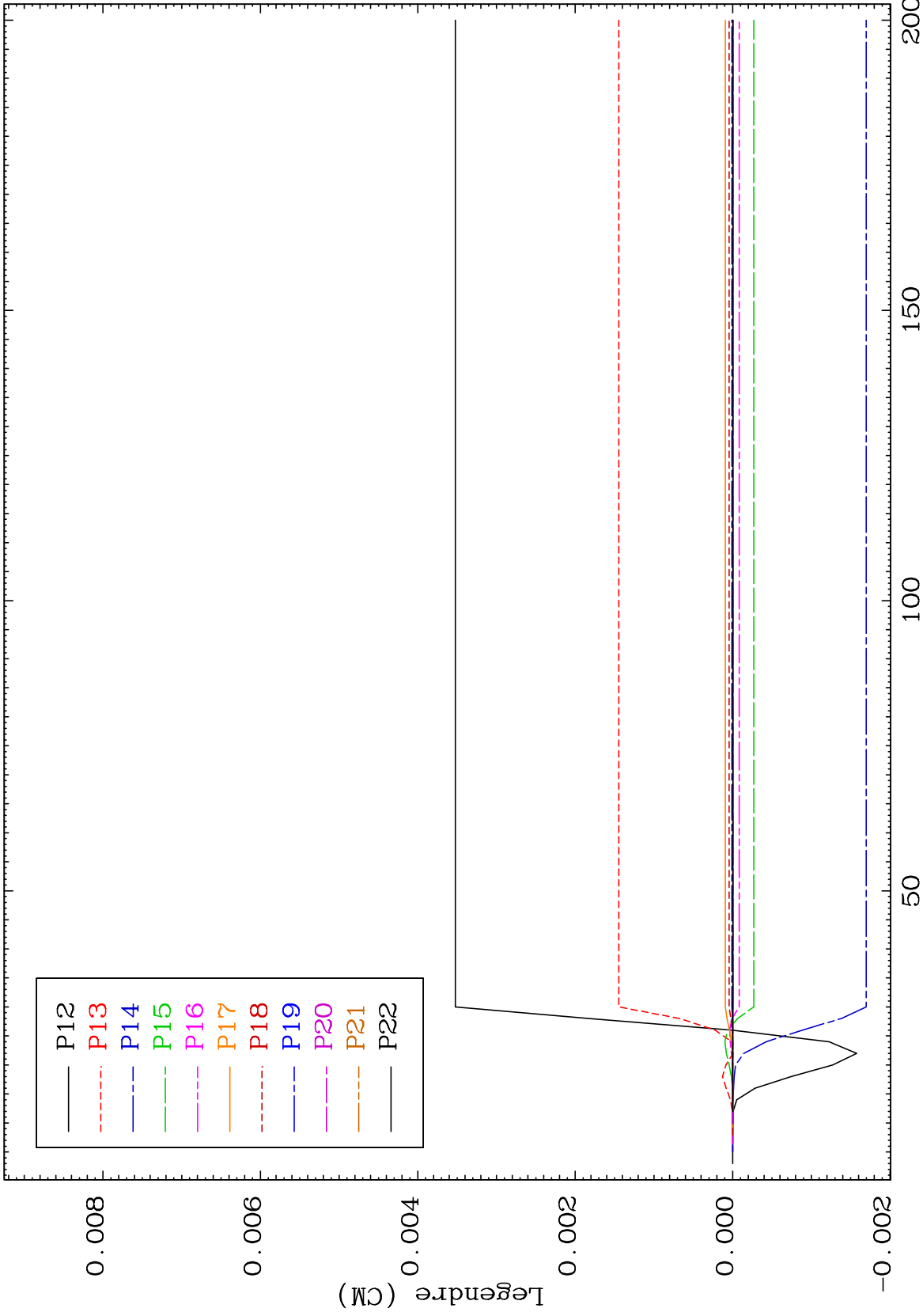
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



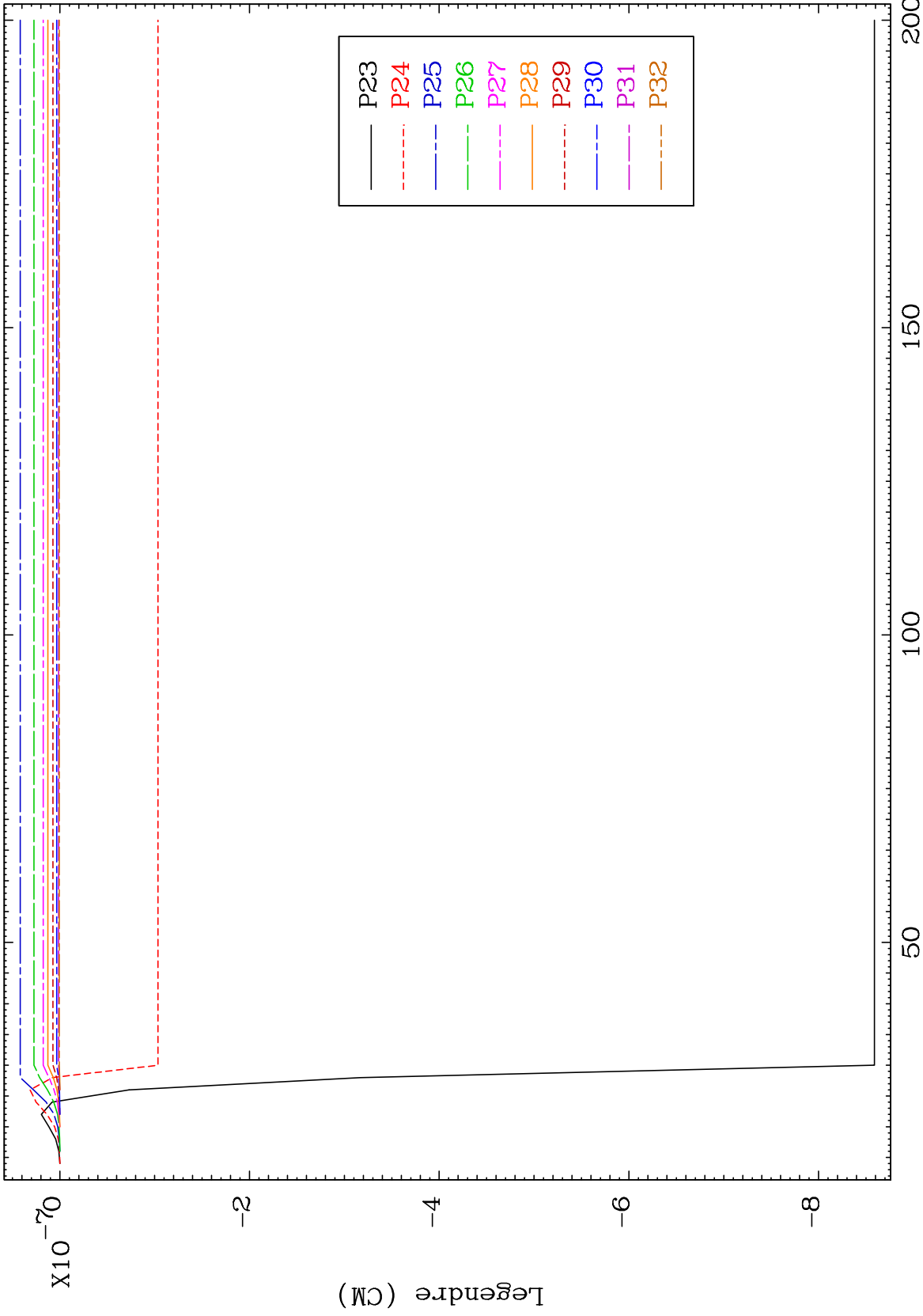
78

54-Xe-116

MAT 5401

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

54-Xe-116



79

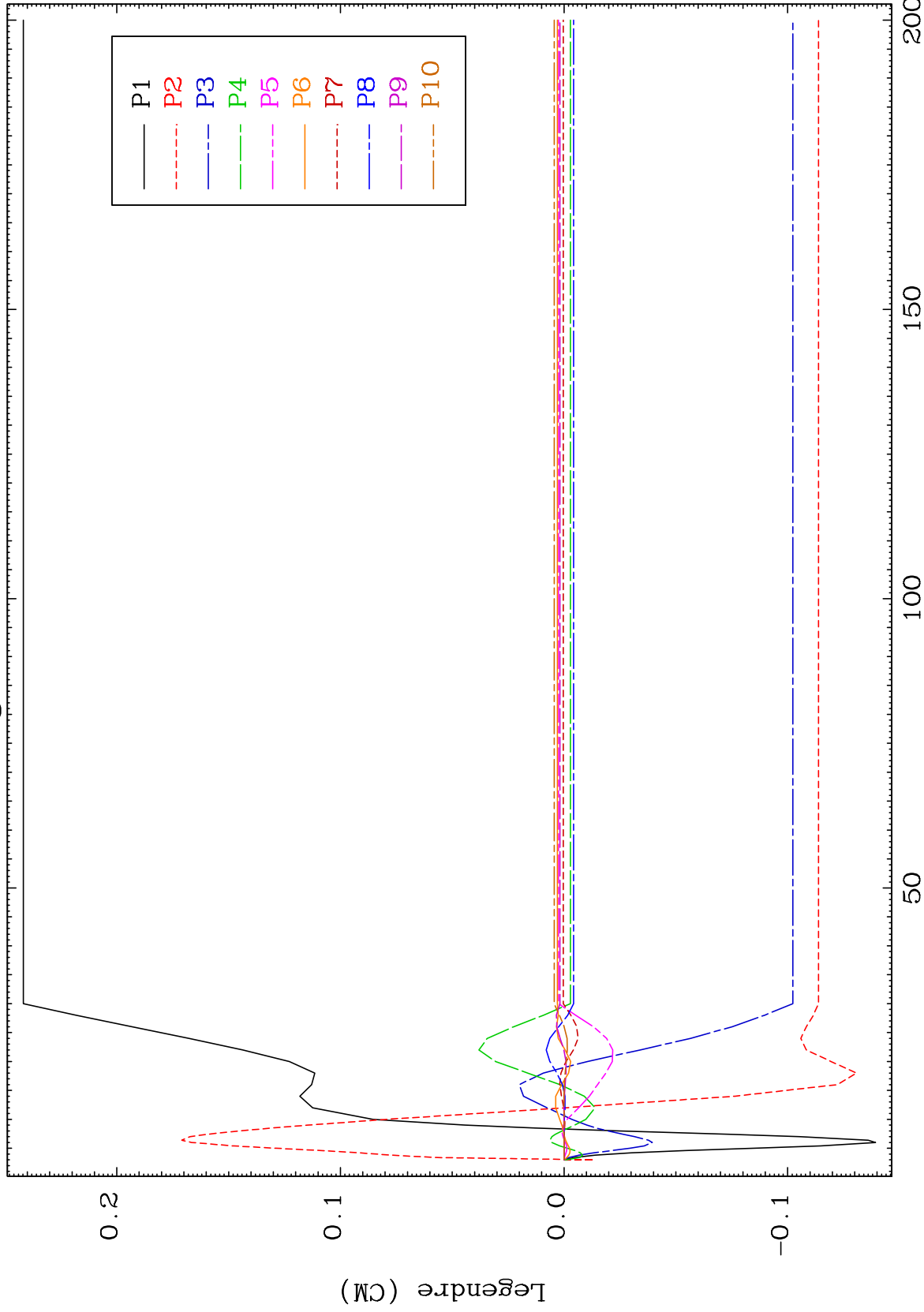
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



80

Incident Energy (MeV)

50

100

150

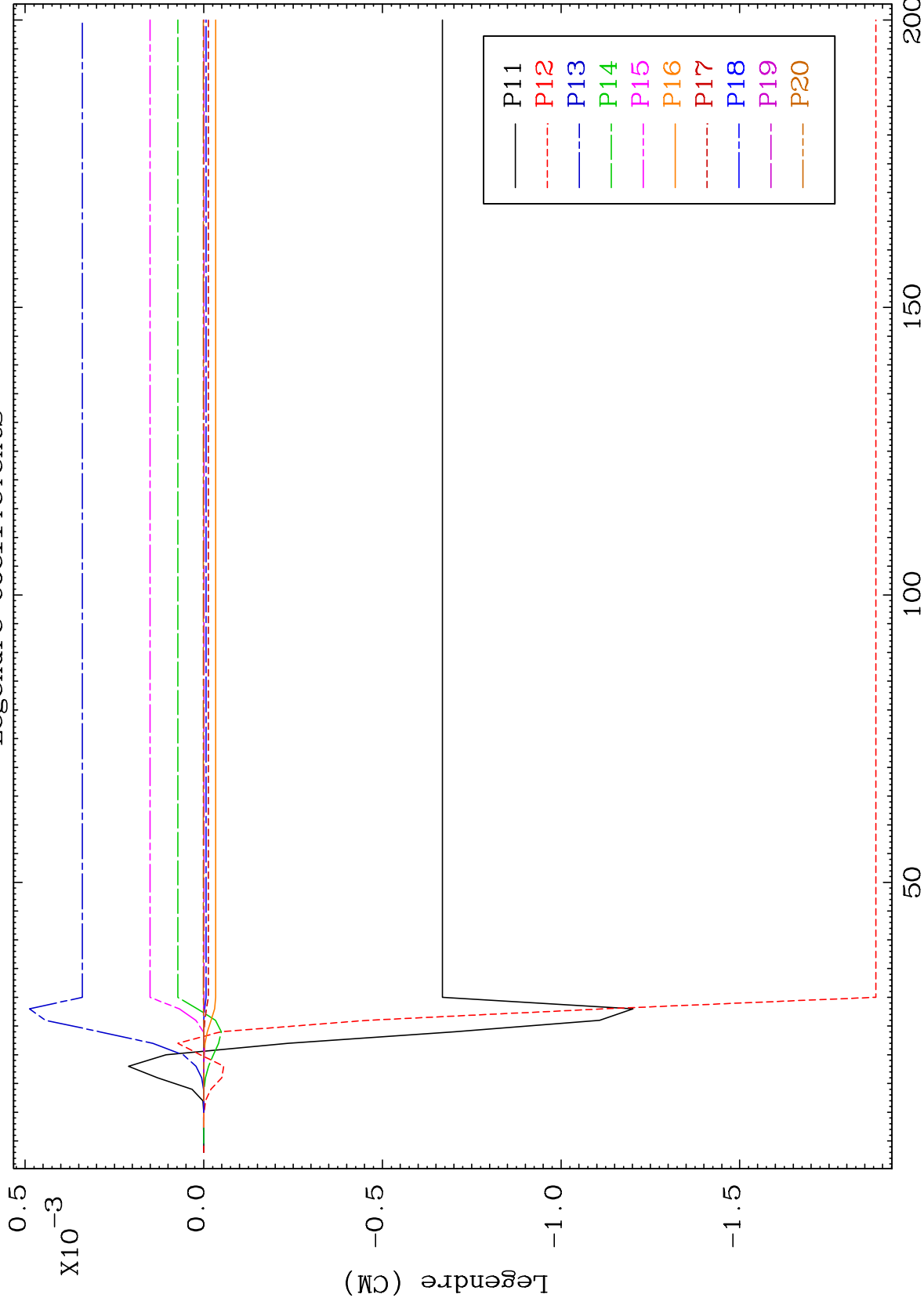
200

54-Xe-116

MAT 5401

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

54-Xe-116



81

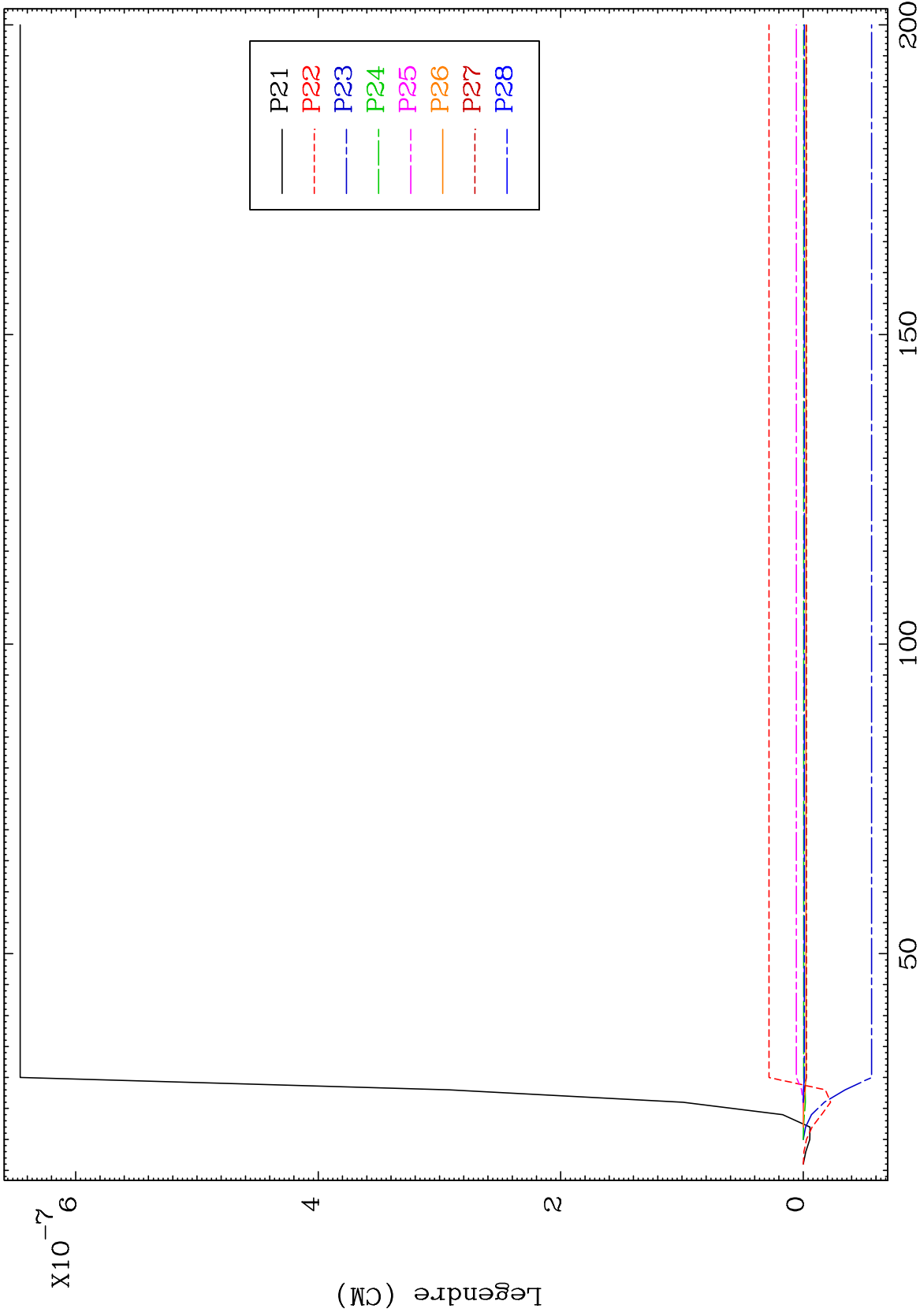
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

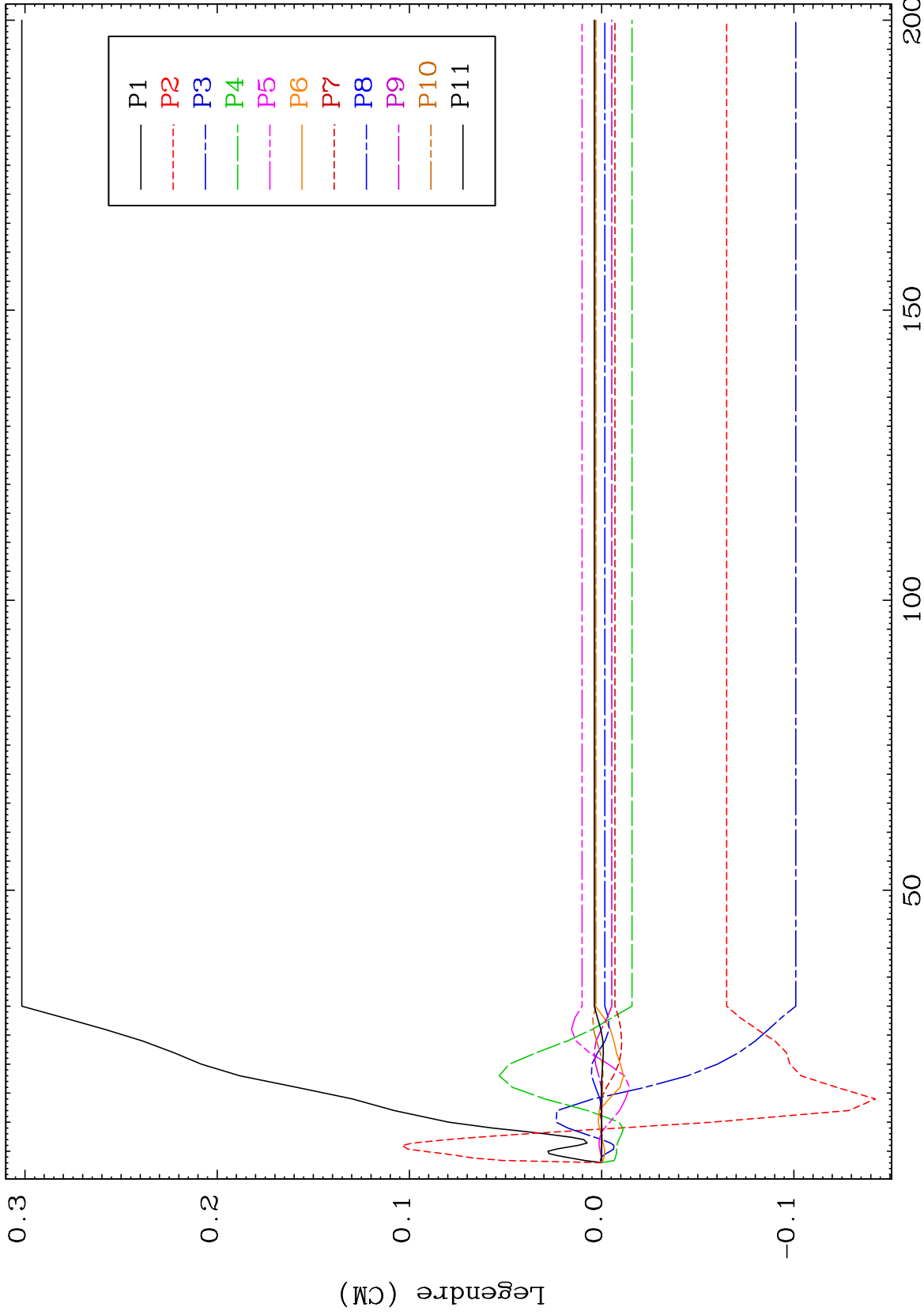
54-Xe-116



82

Incident Energy (MeV)

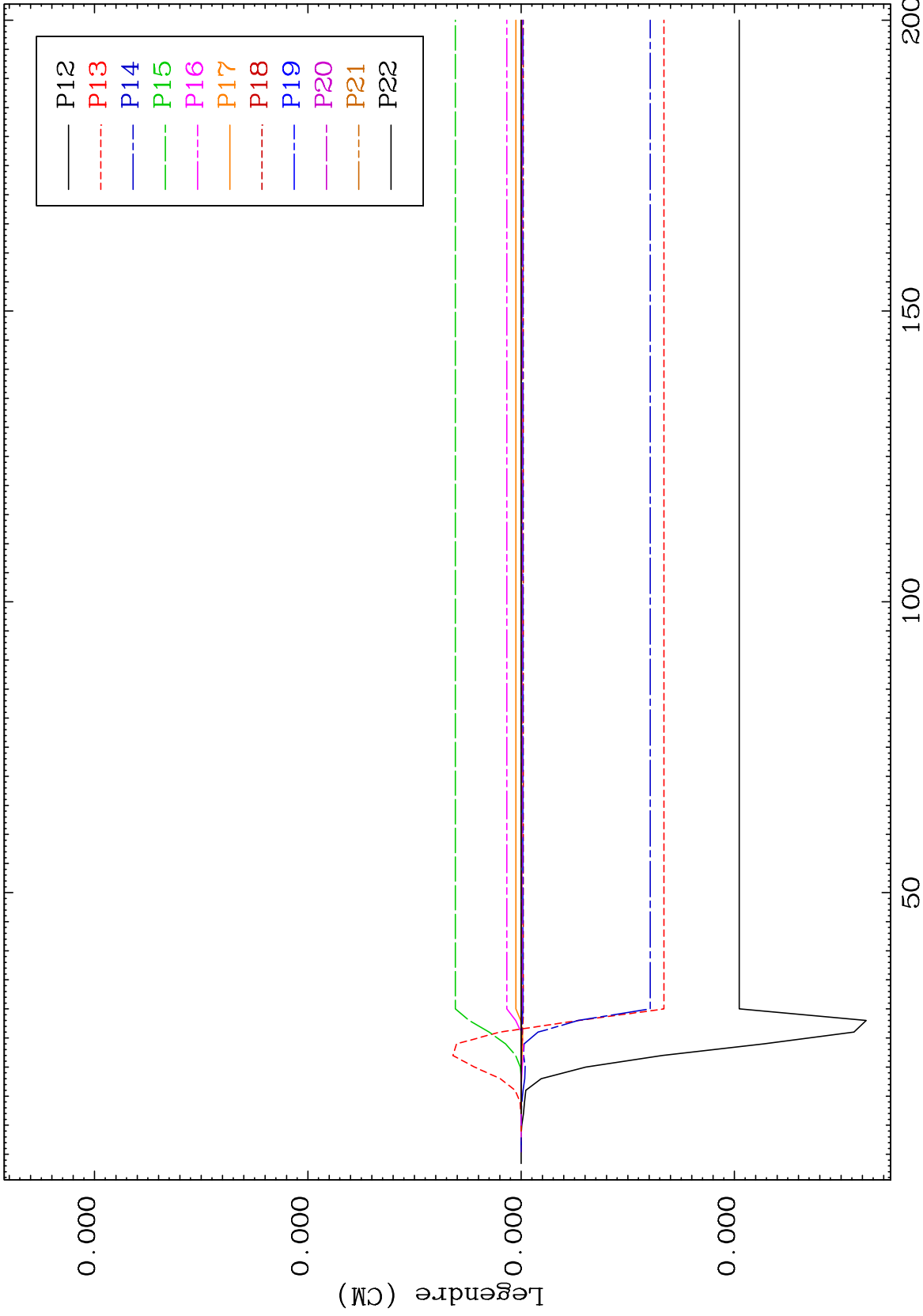
54-Xe-116



MAT 5401

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

54-Xe-116



84

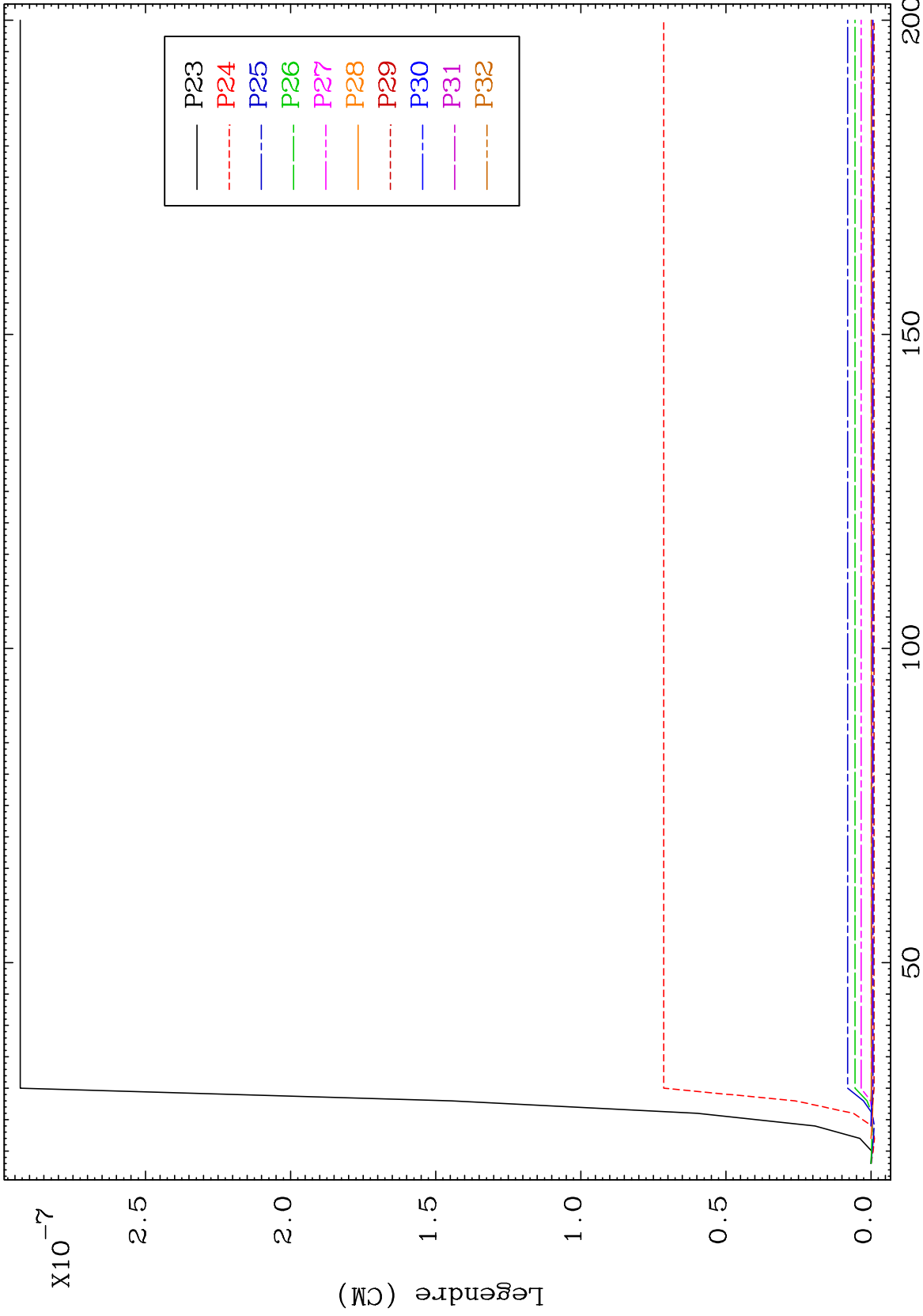
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



85

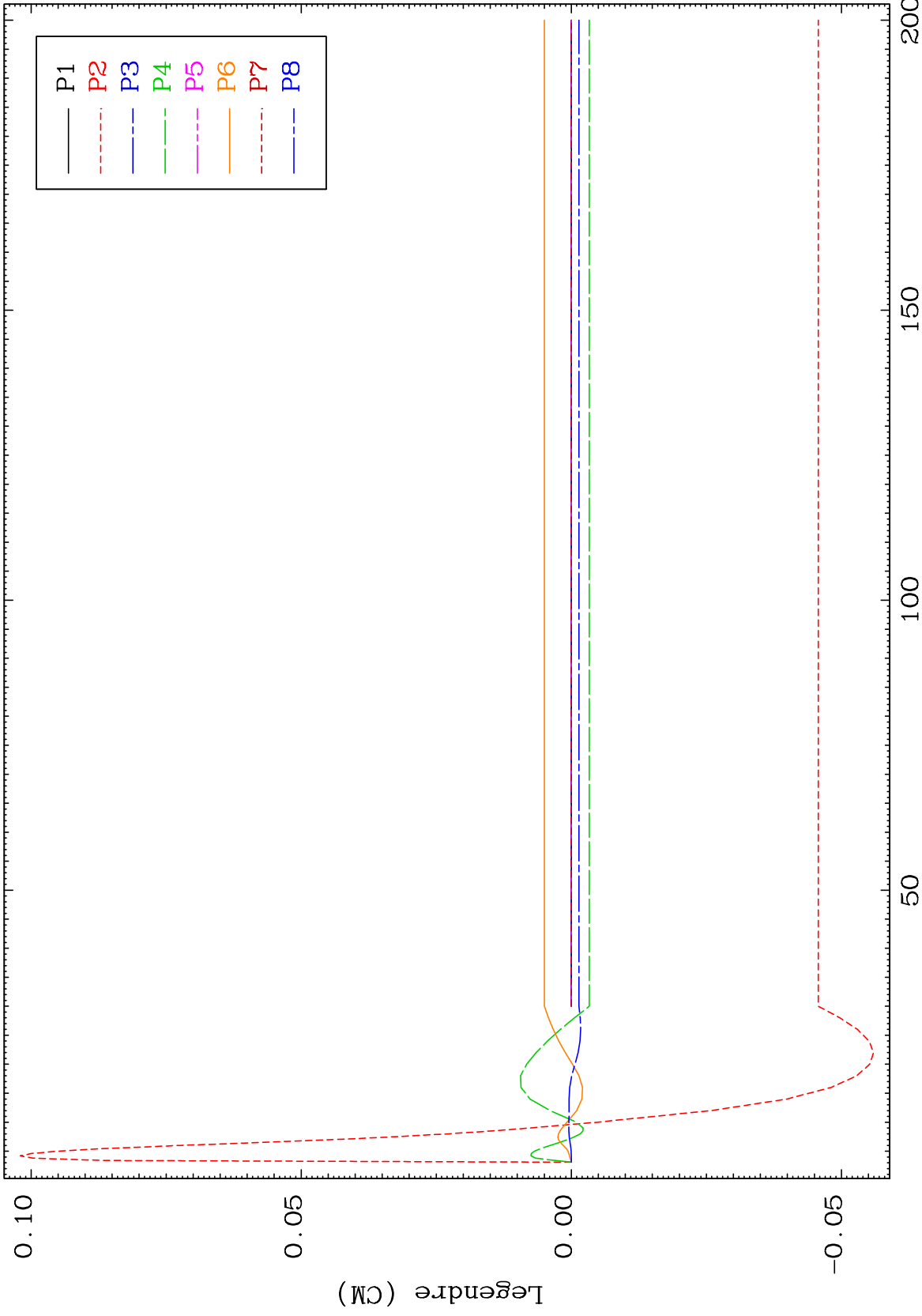
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



86

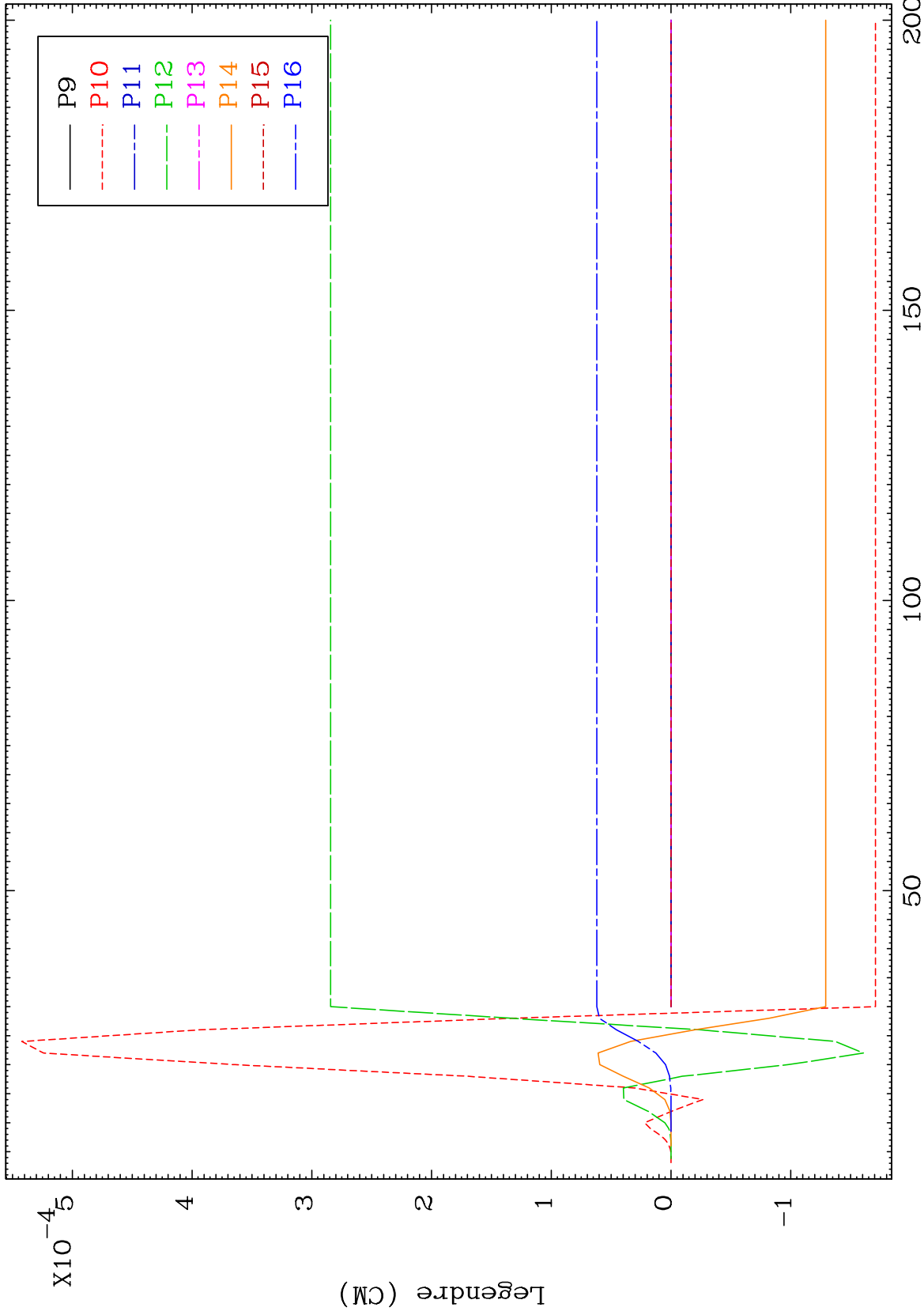
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



87

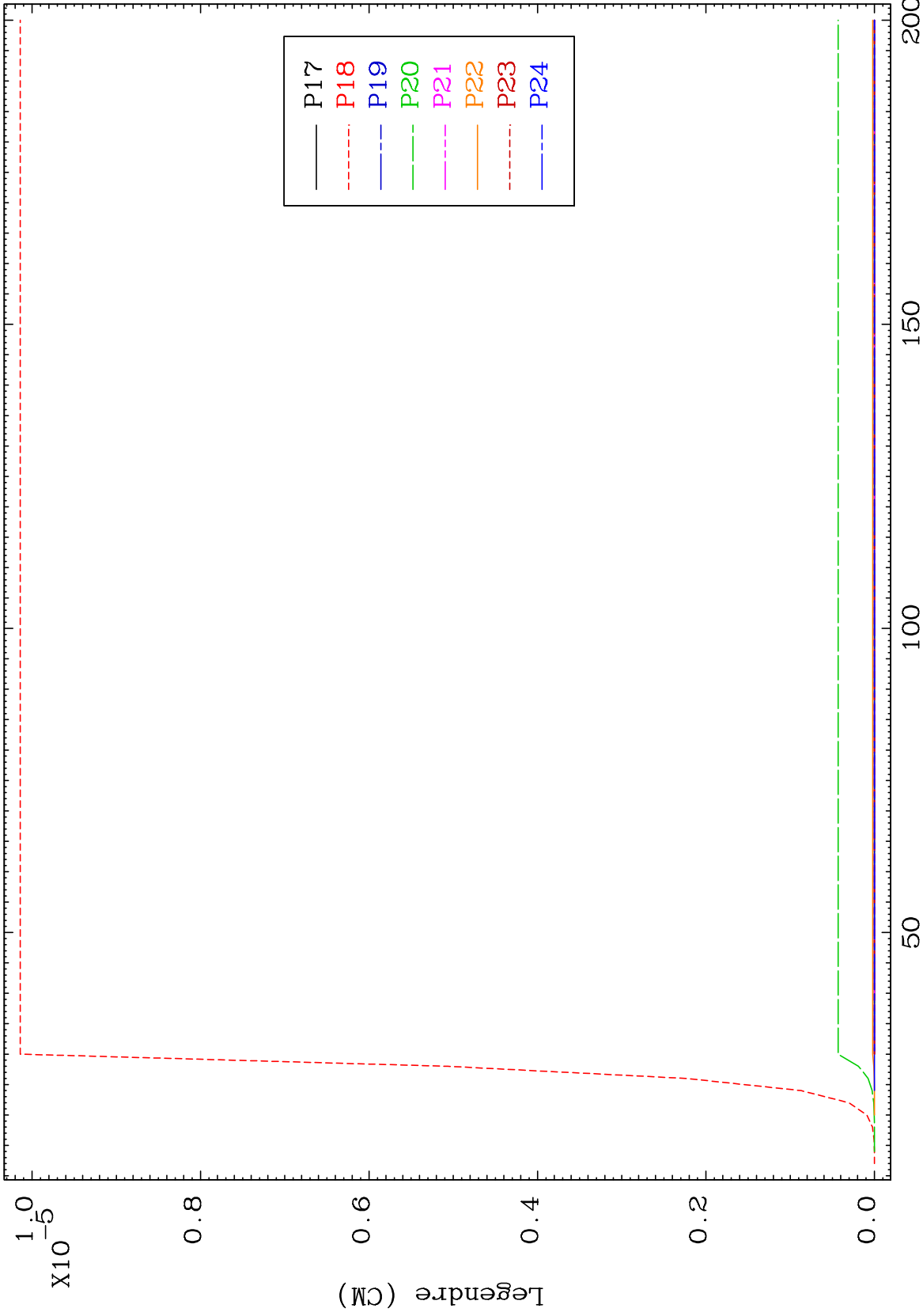
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



88

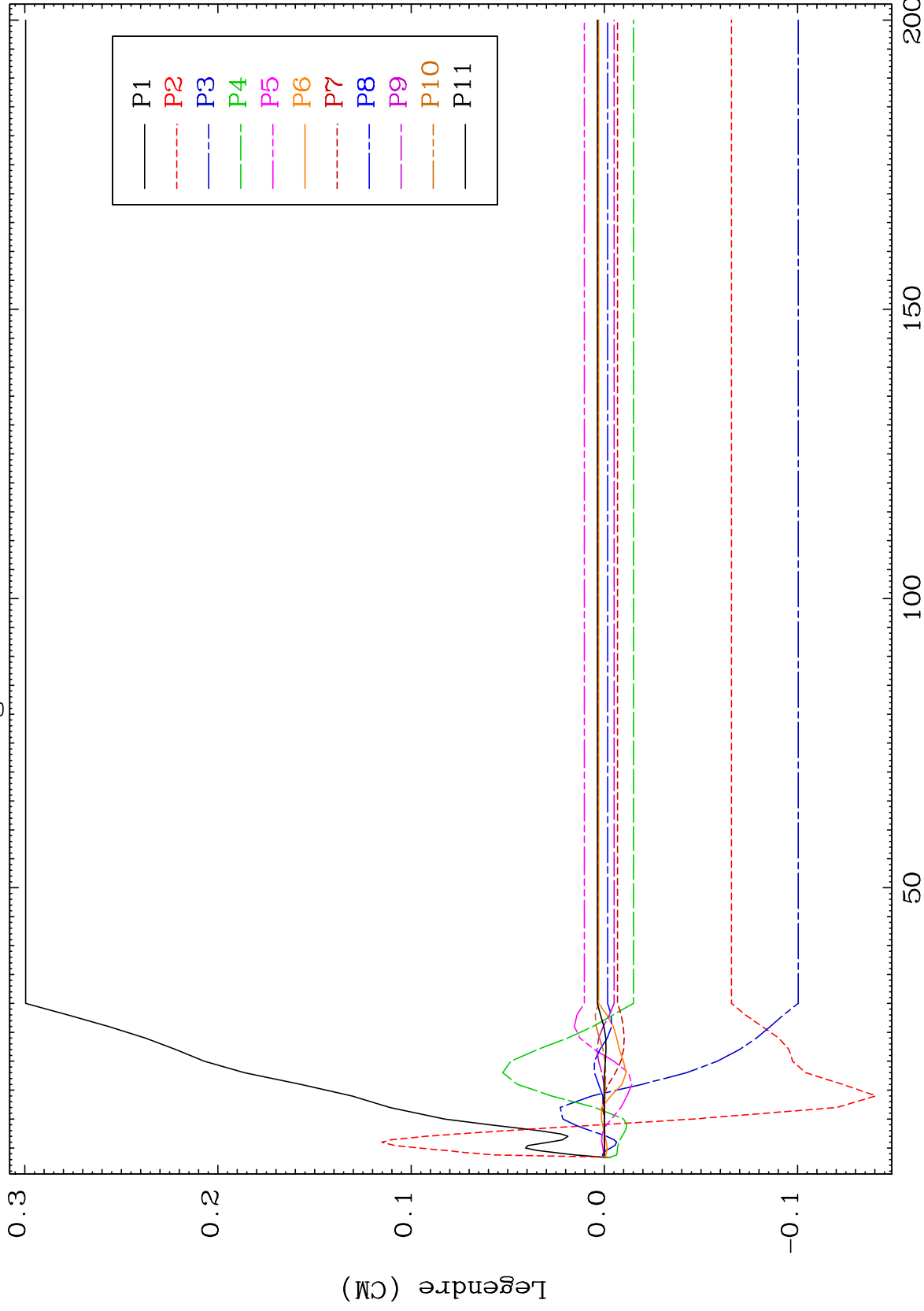
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



89

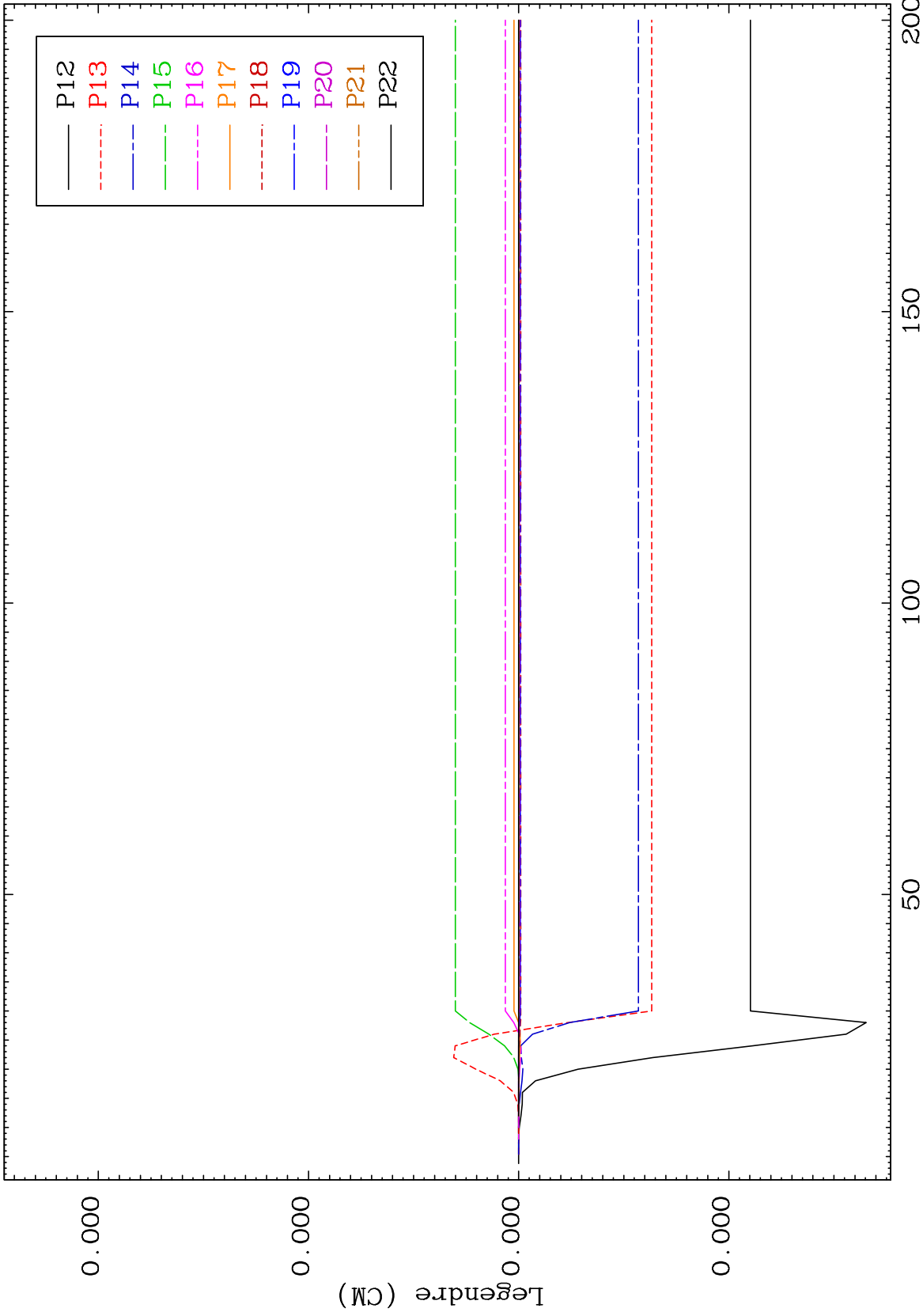
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



90

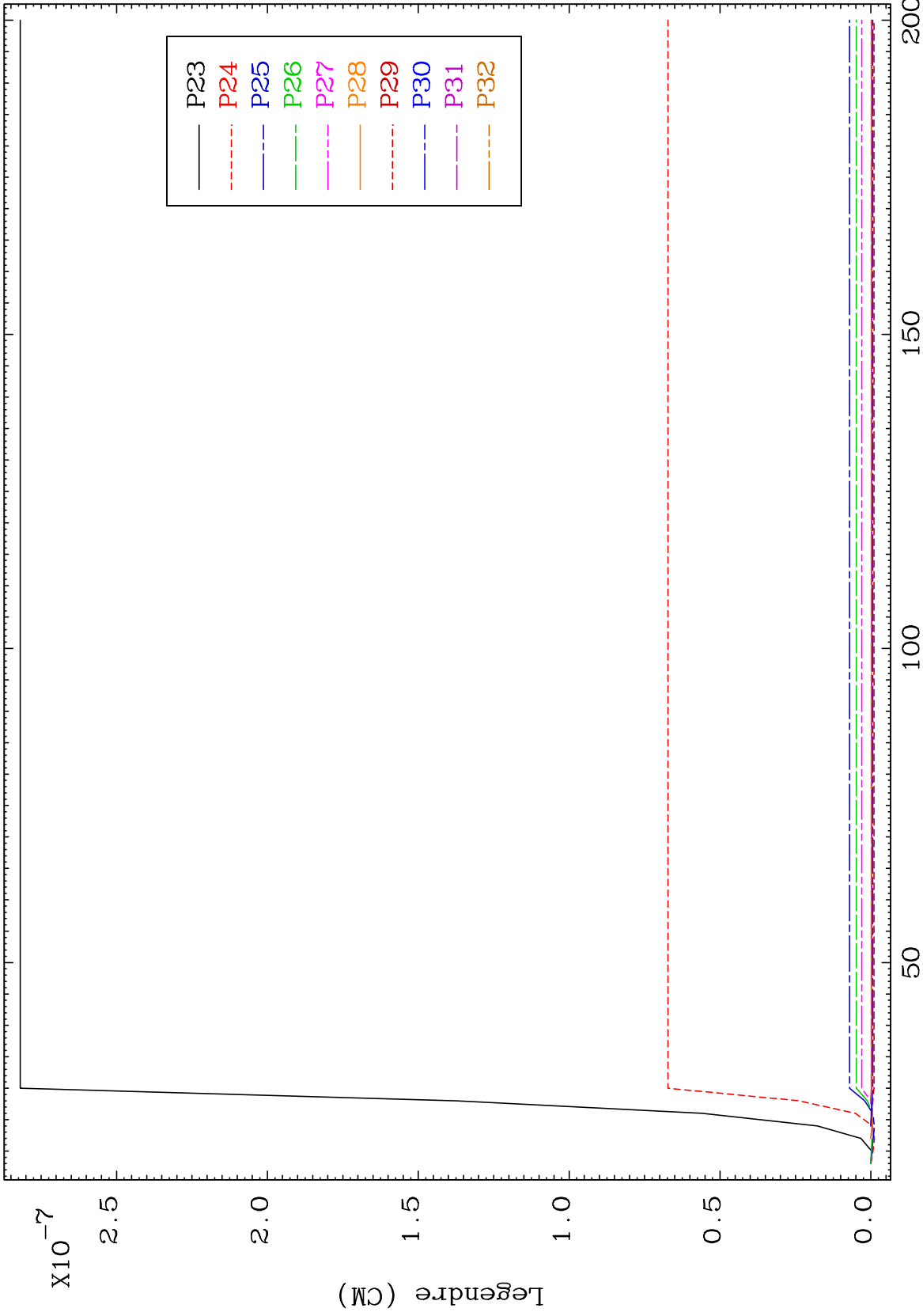
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



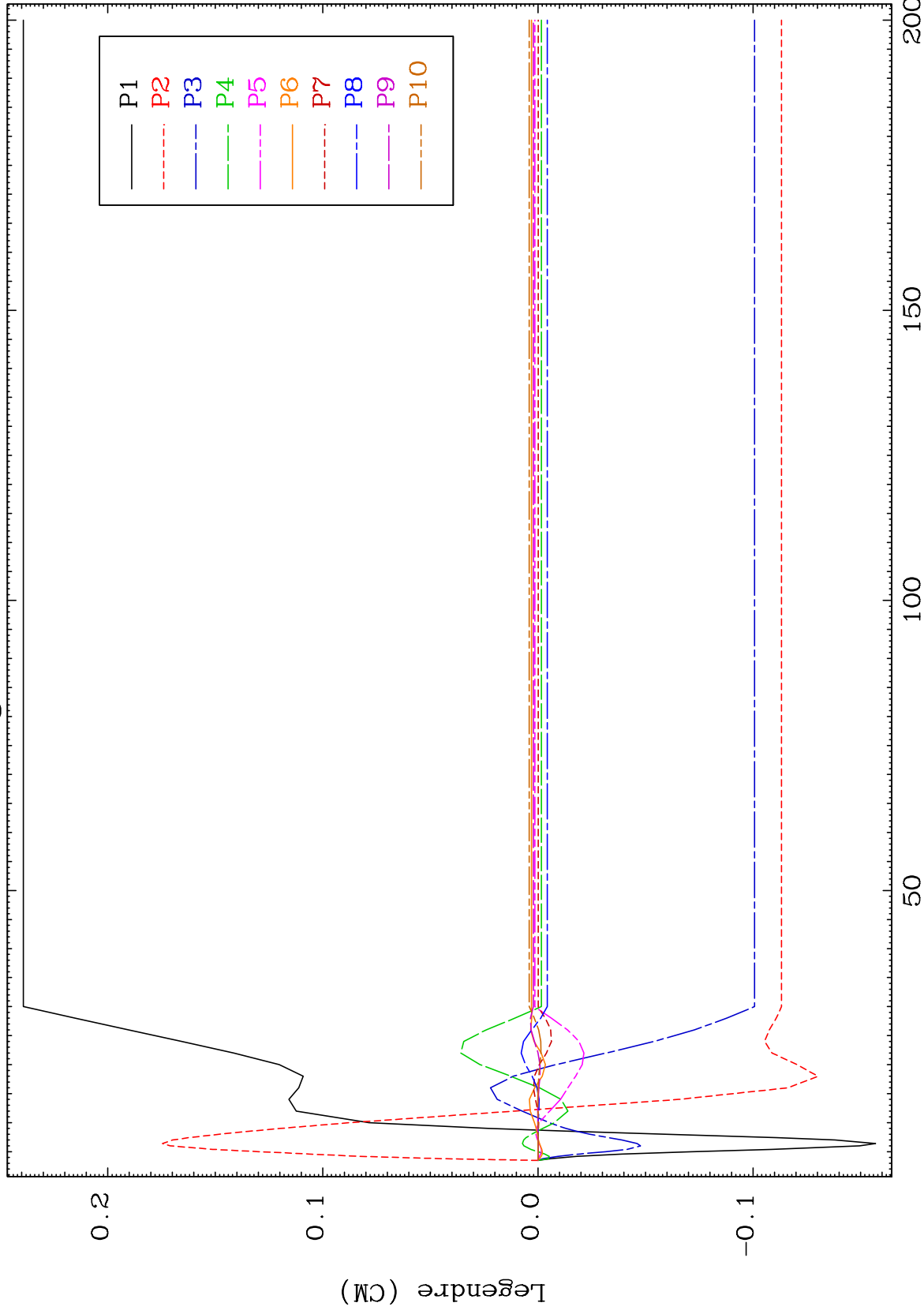
91

54-Xe-116

MAT 5401

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

54-Xe-116



92

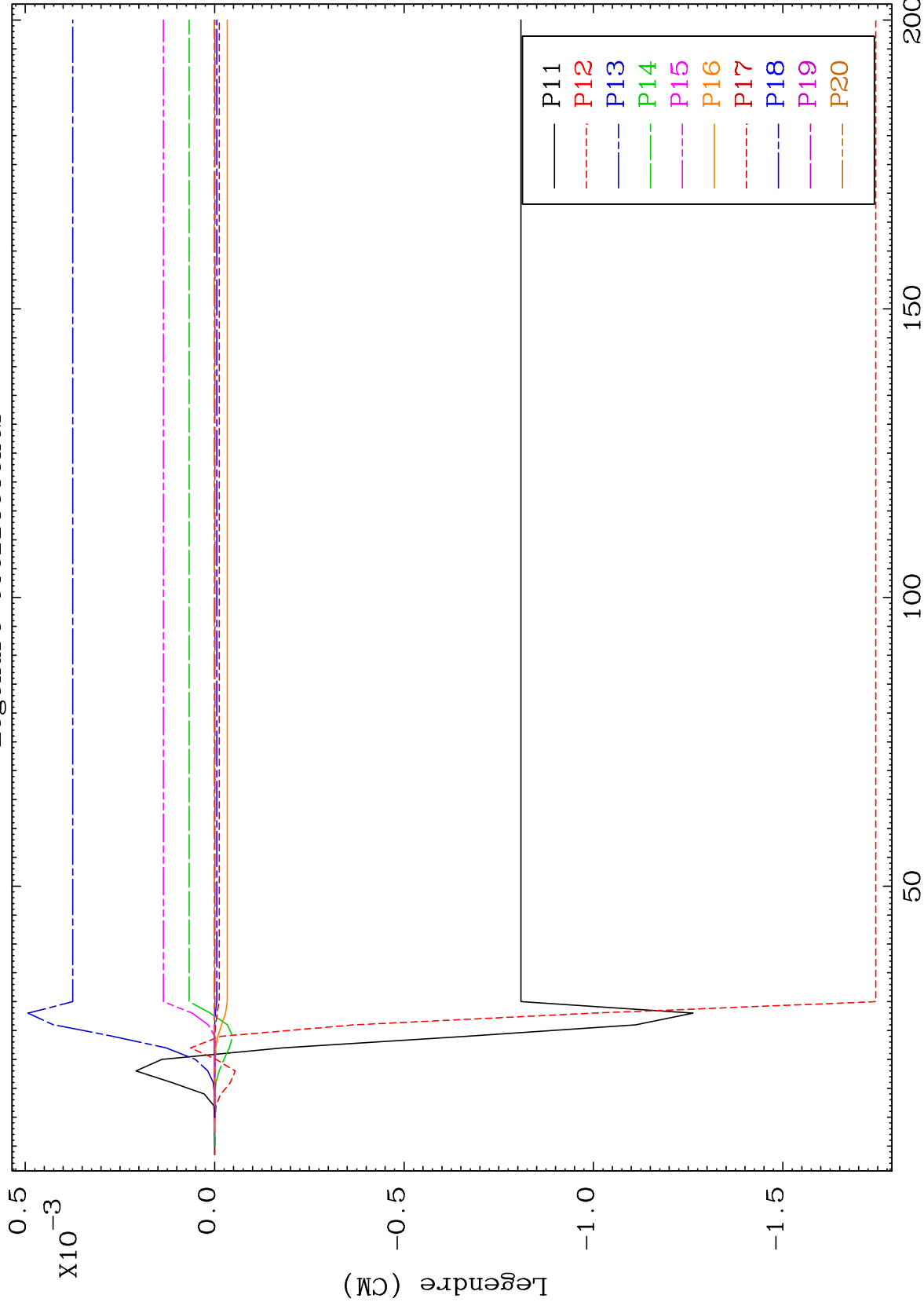
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



93

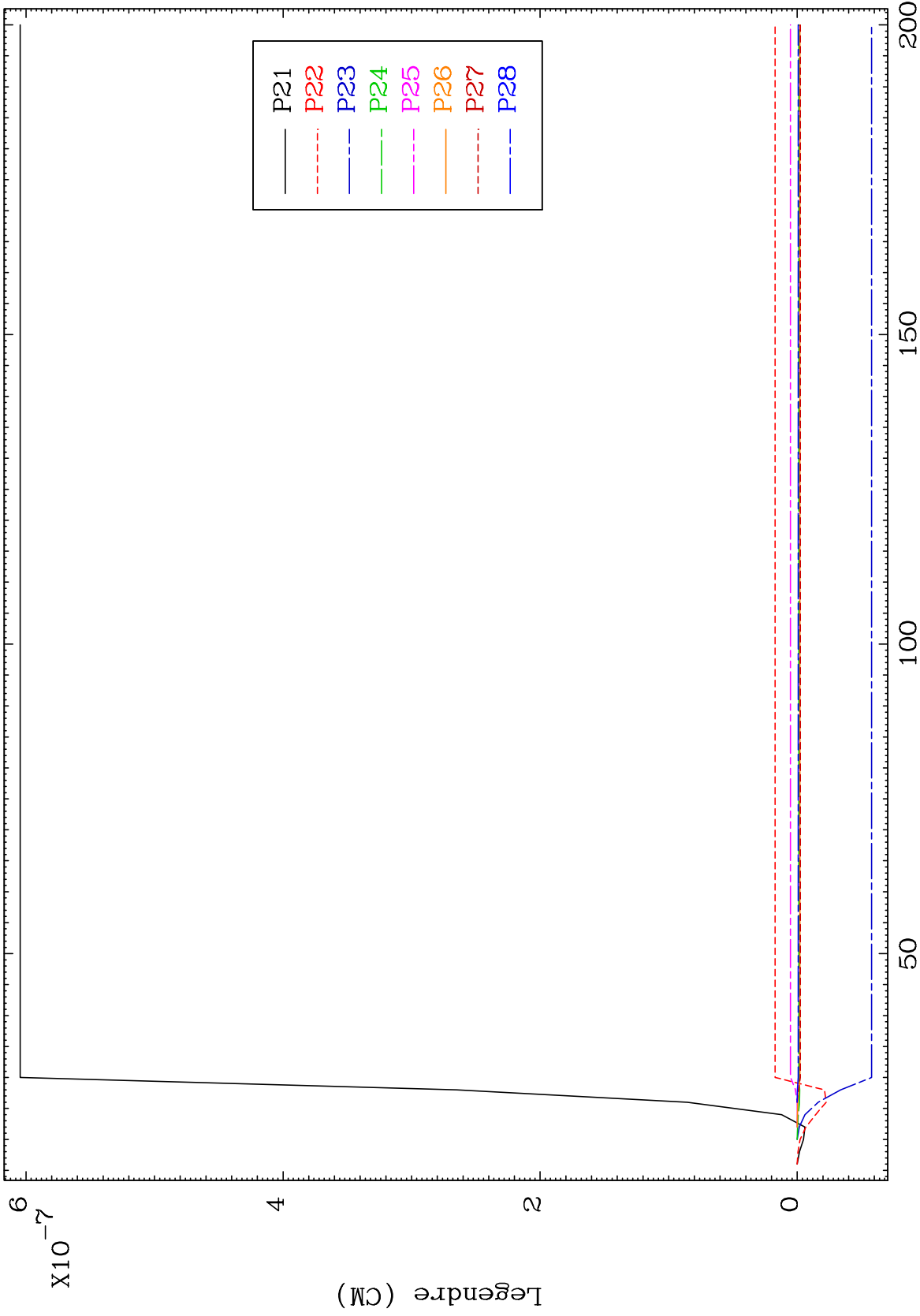
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



94

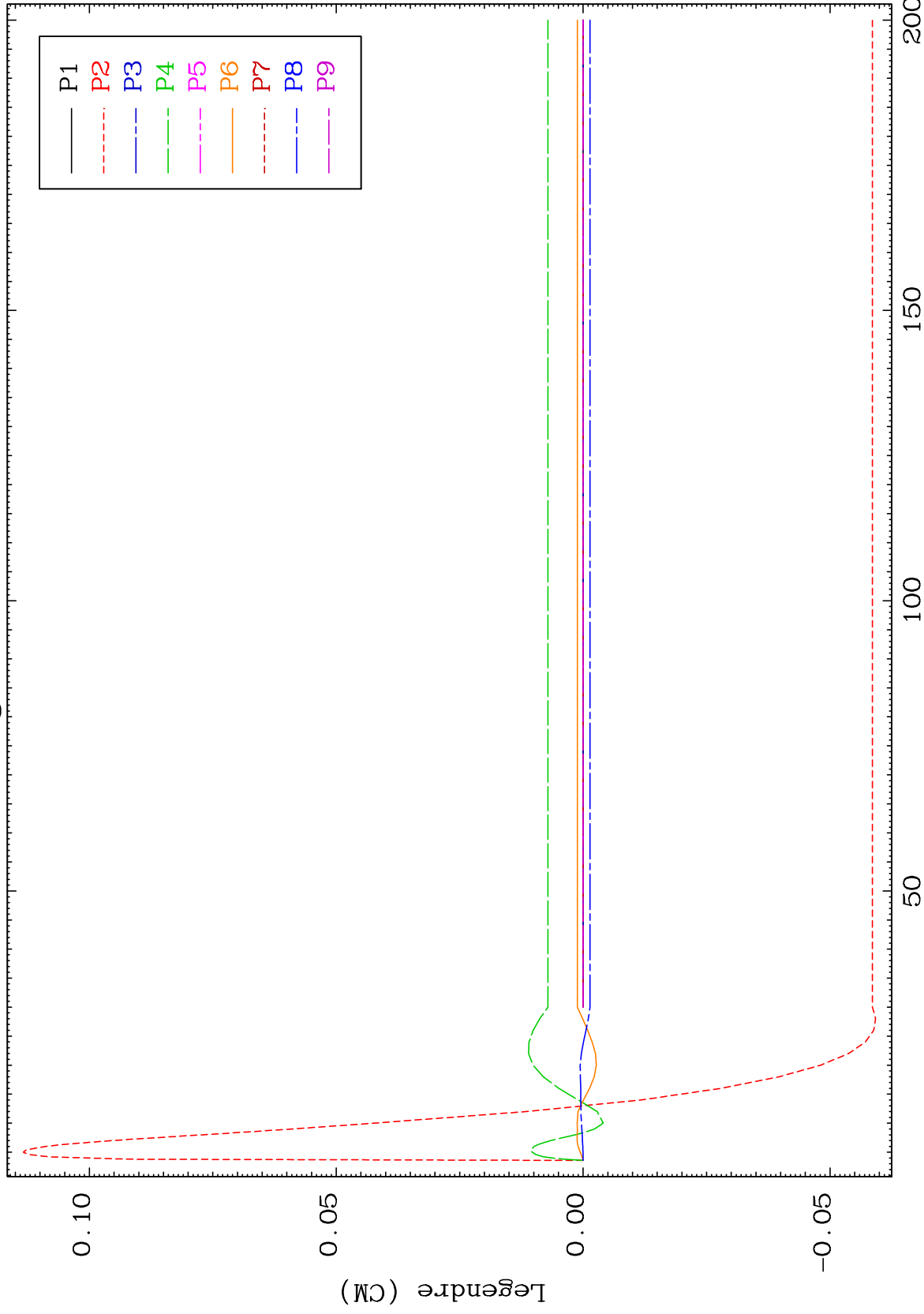
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



95

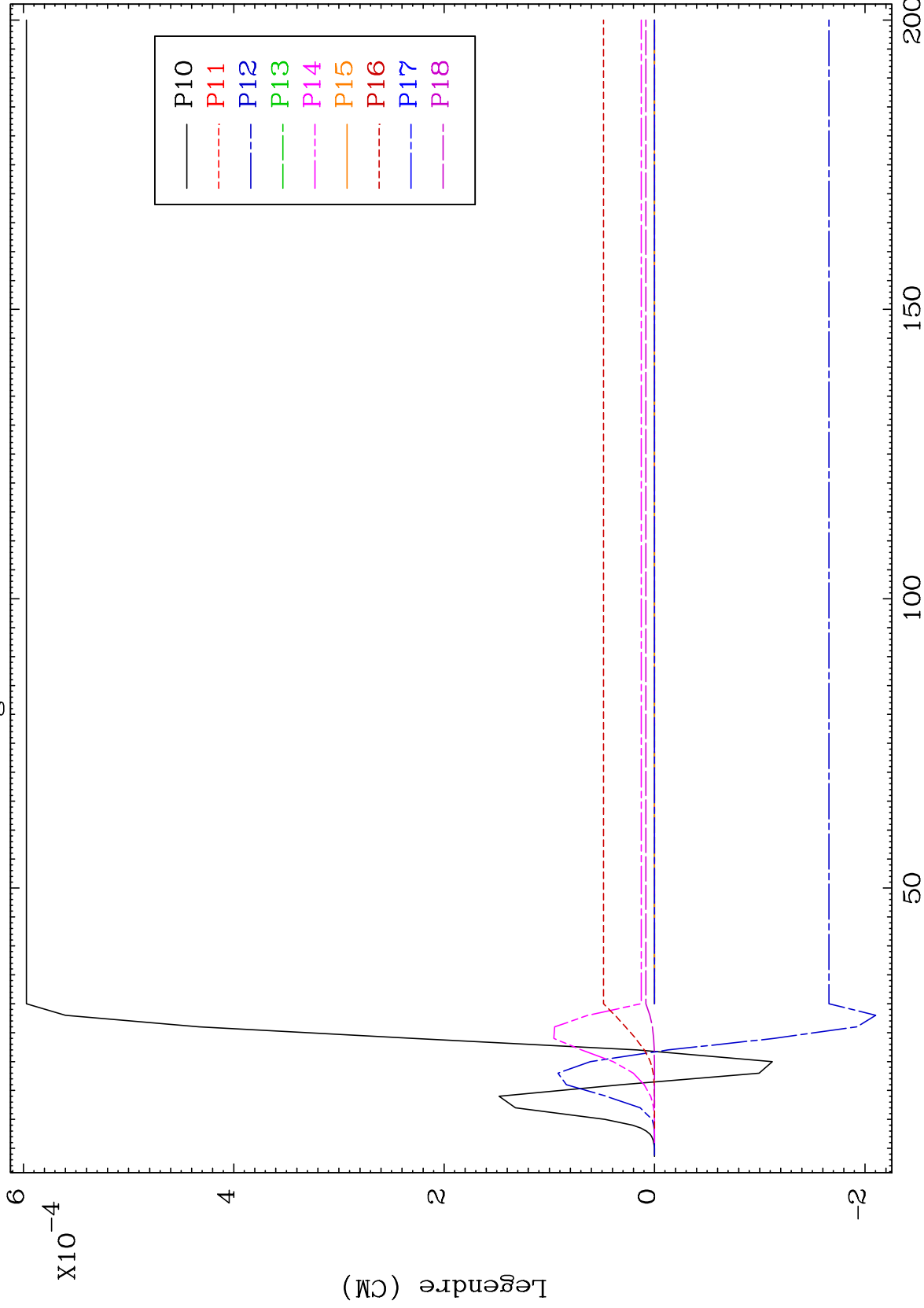
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



96

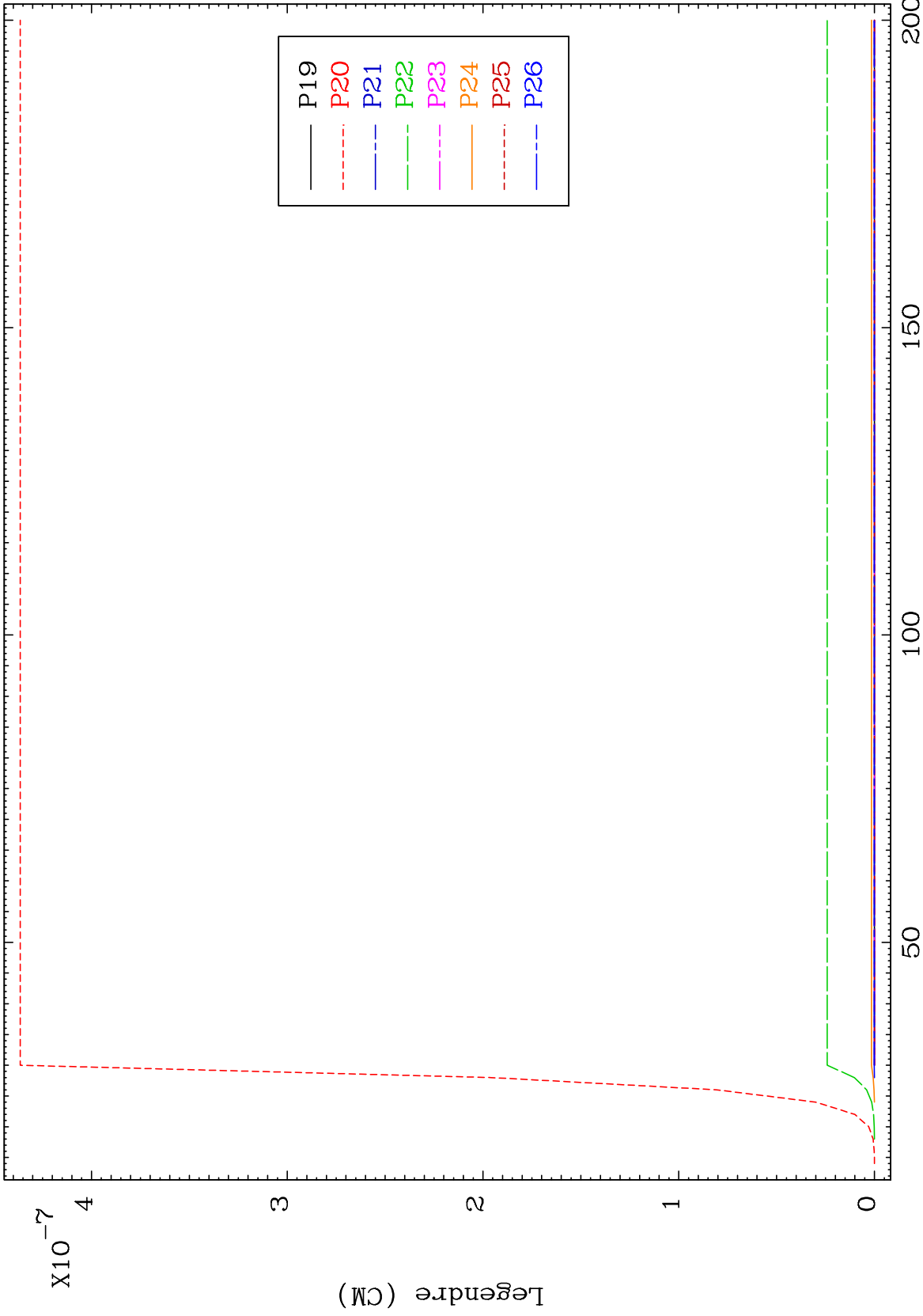
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



97

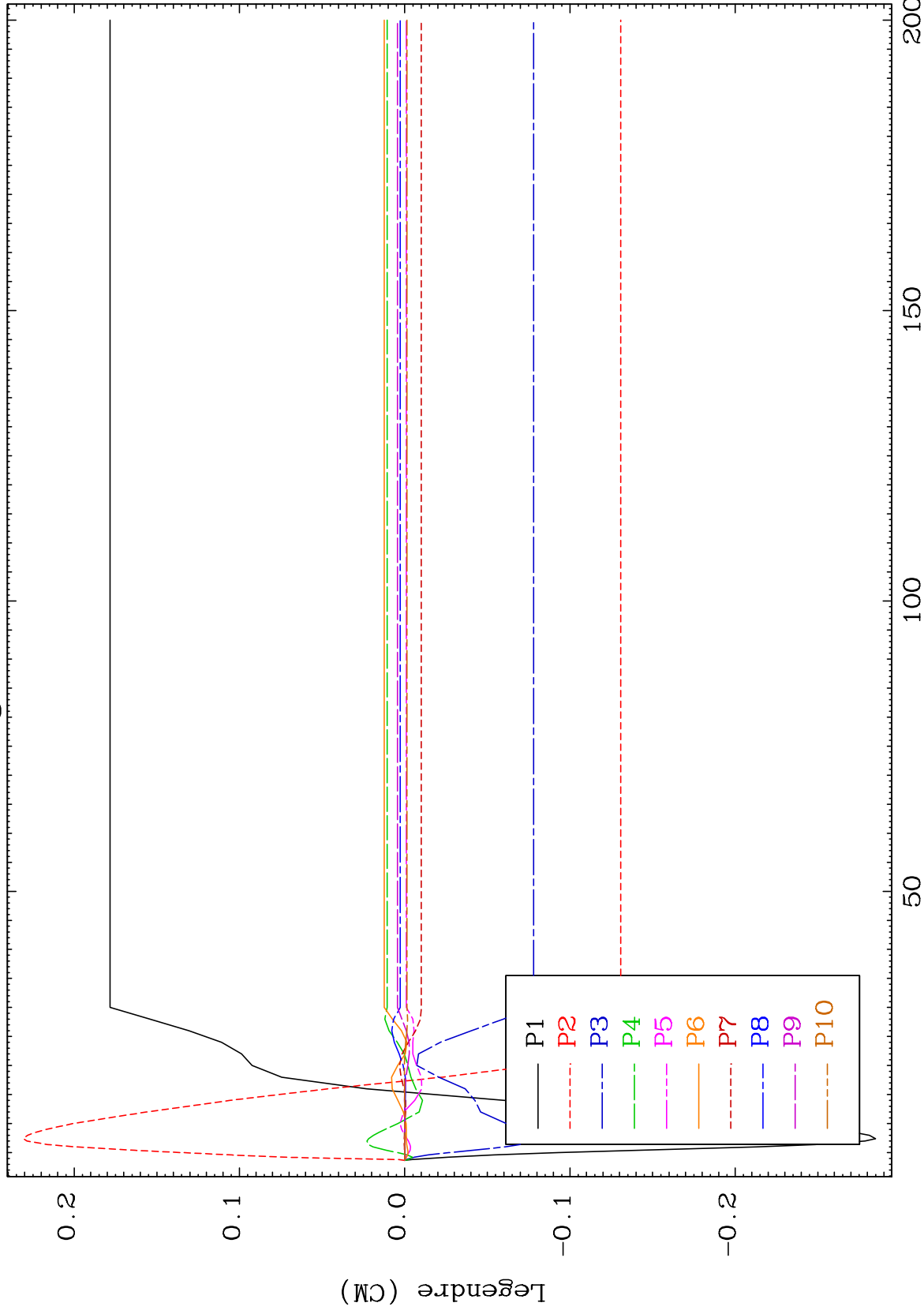
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



98

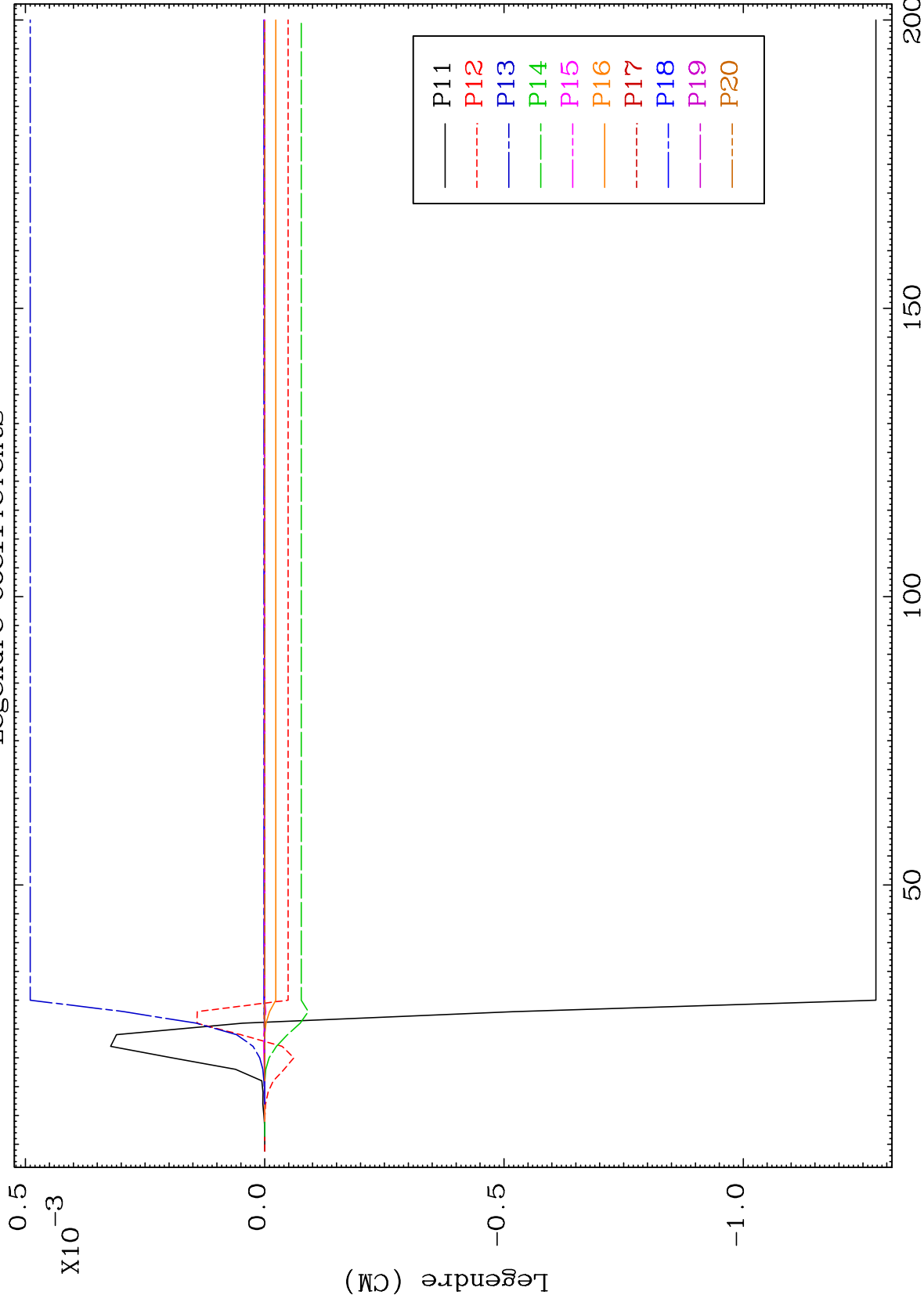
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



99

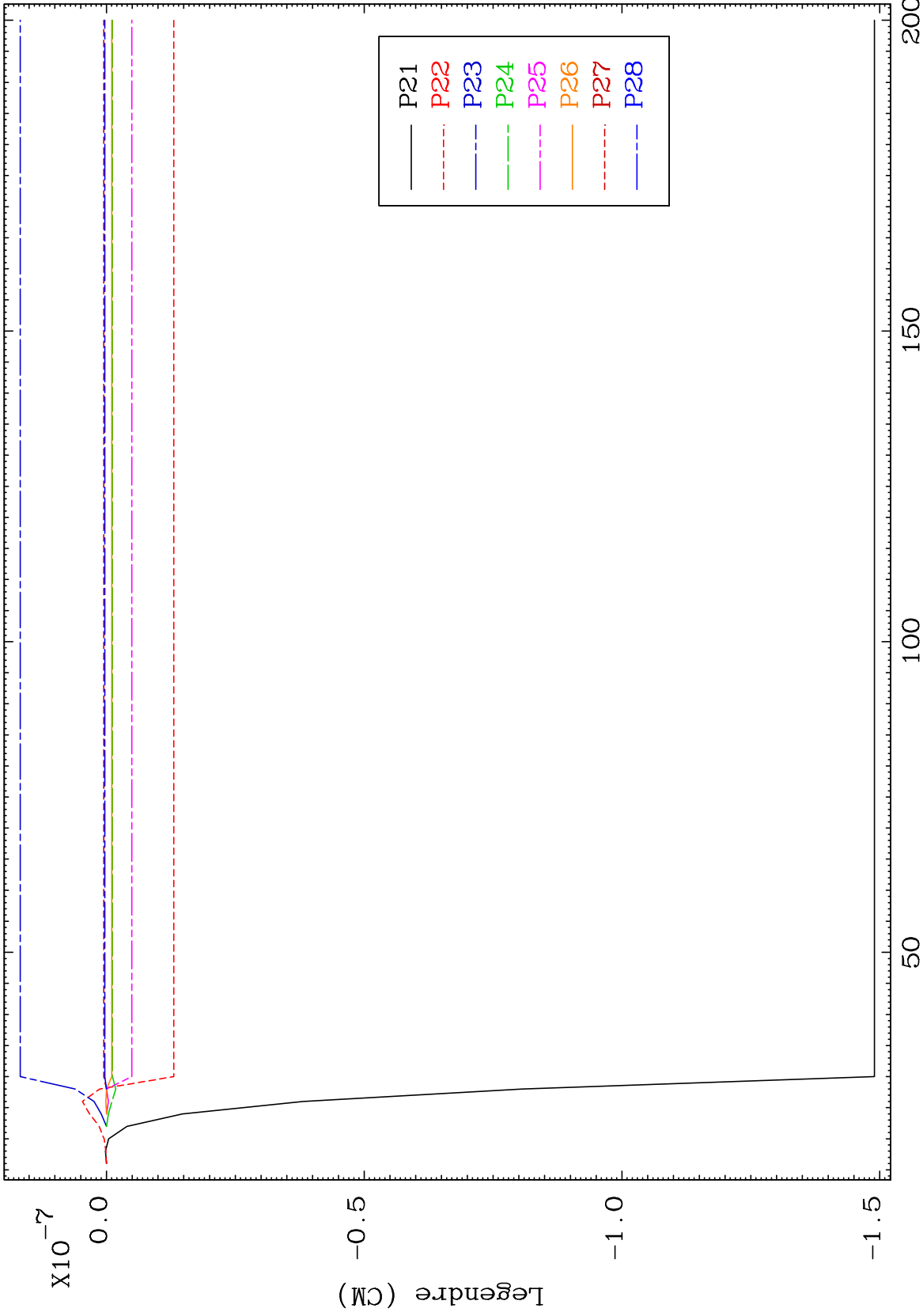
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



100

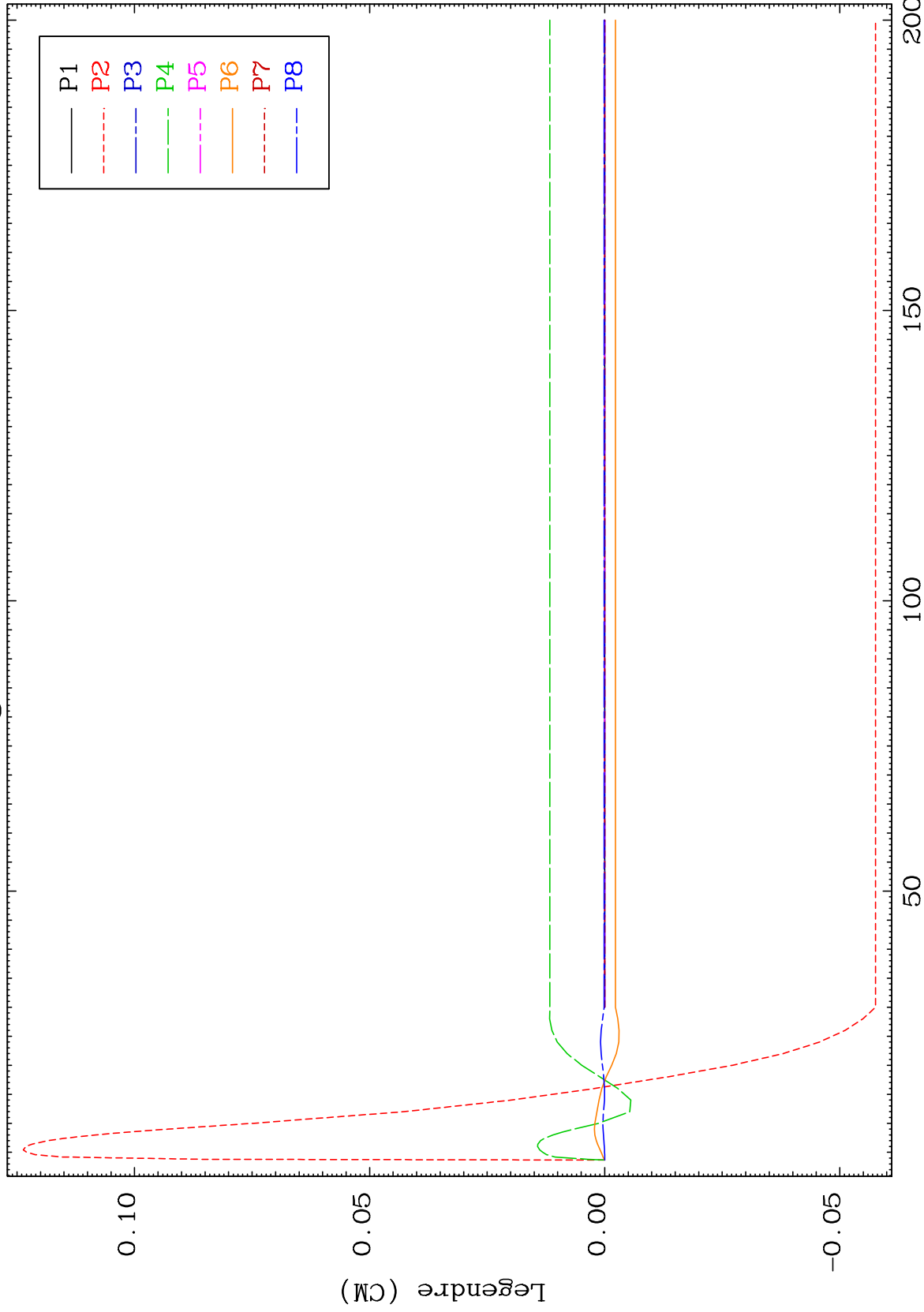
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



101

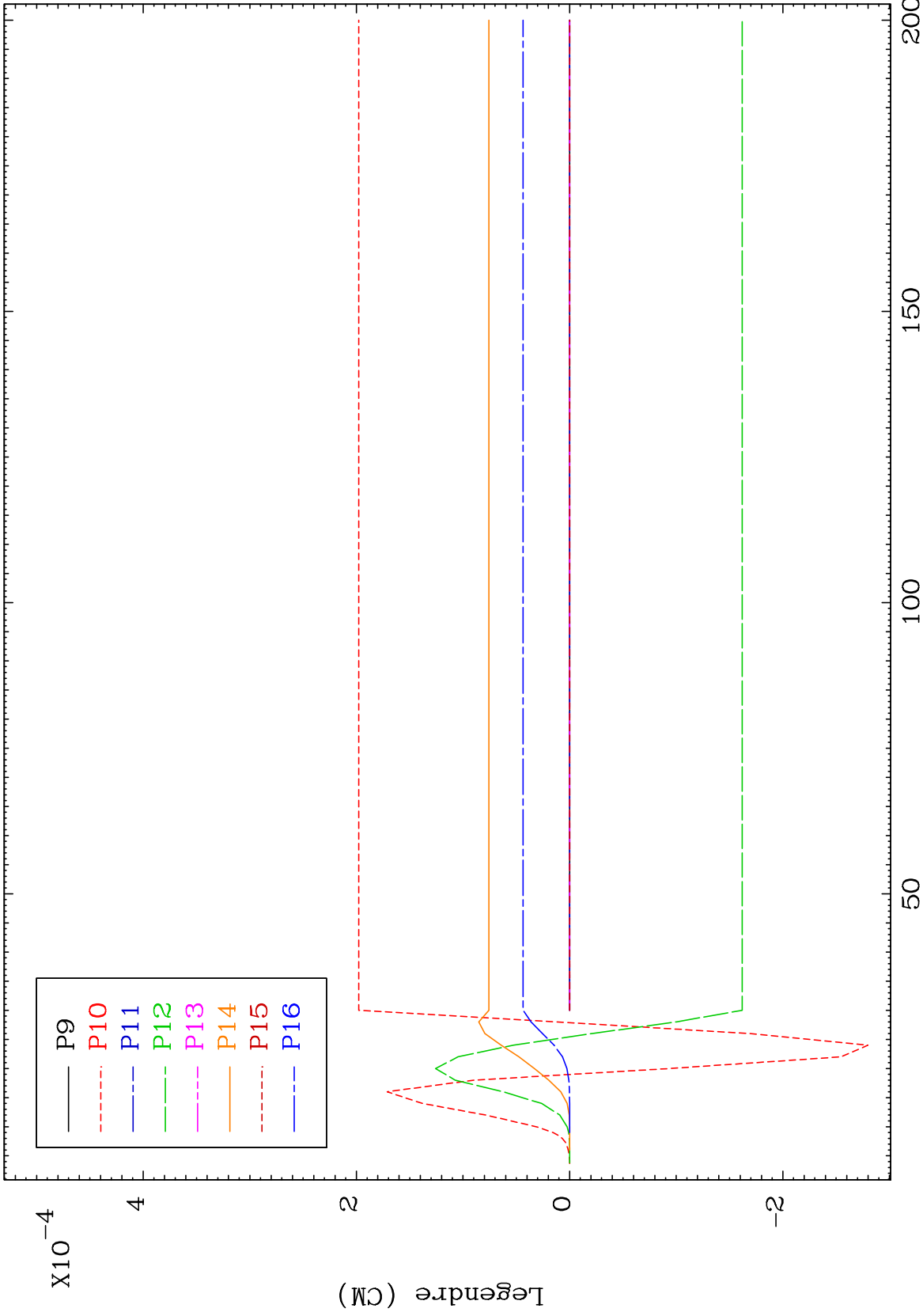
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116

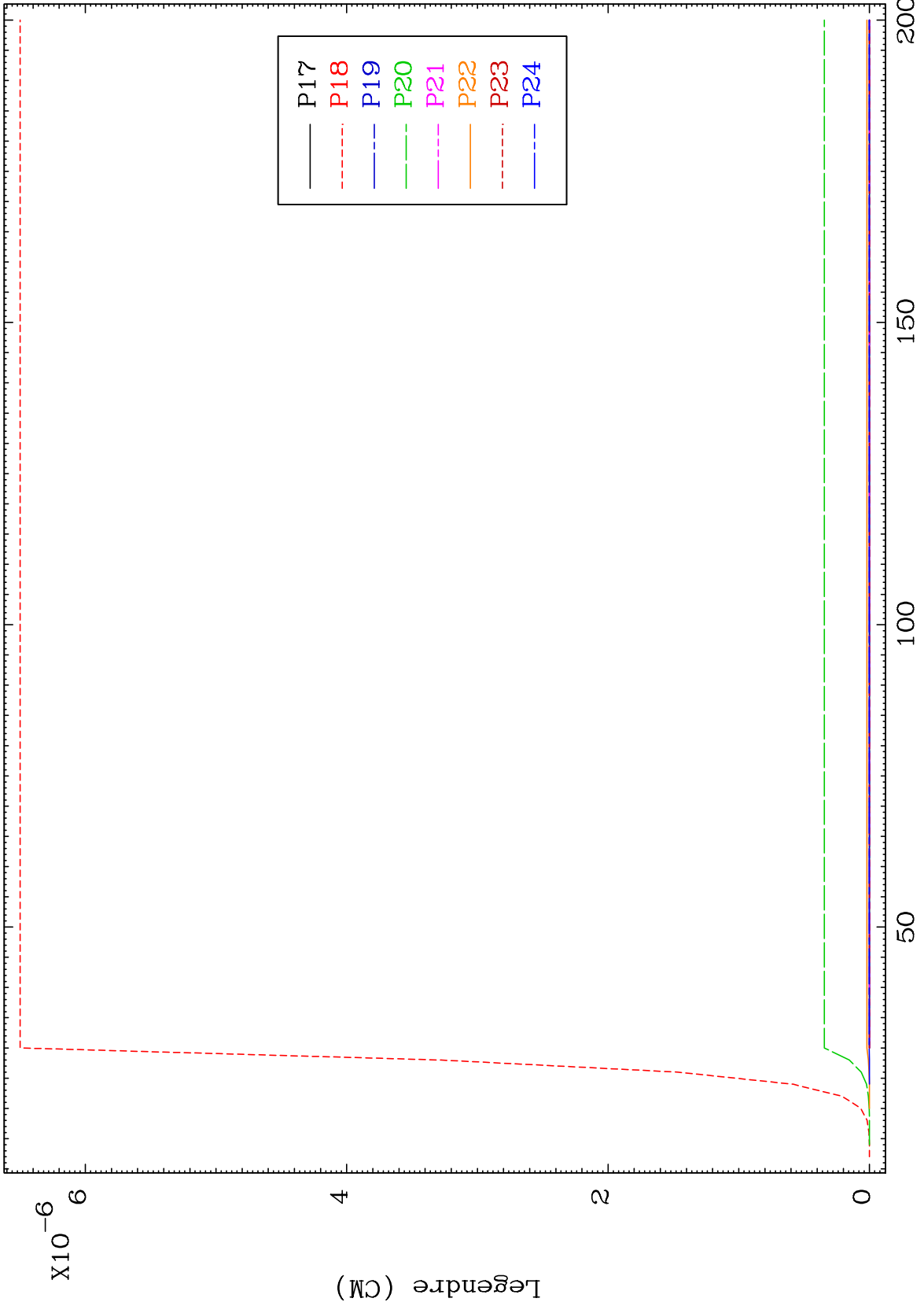


102

Incident Energy (MeV)

54-Xe-116

MAT 5401 MT= 74 (n,n') Level Legendre Coefficients 54-Xe-116

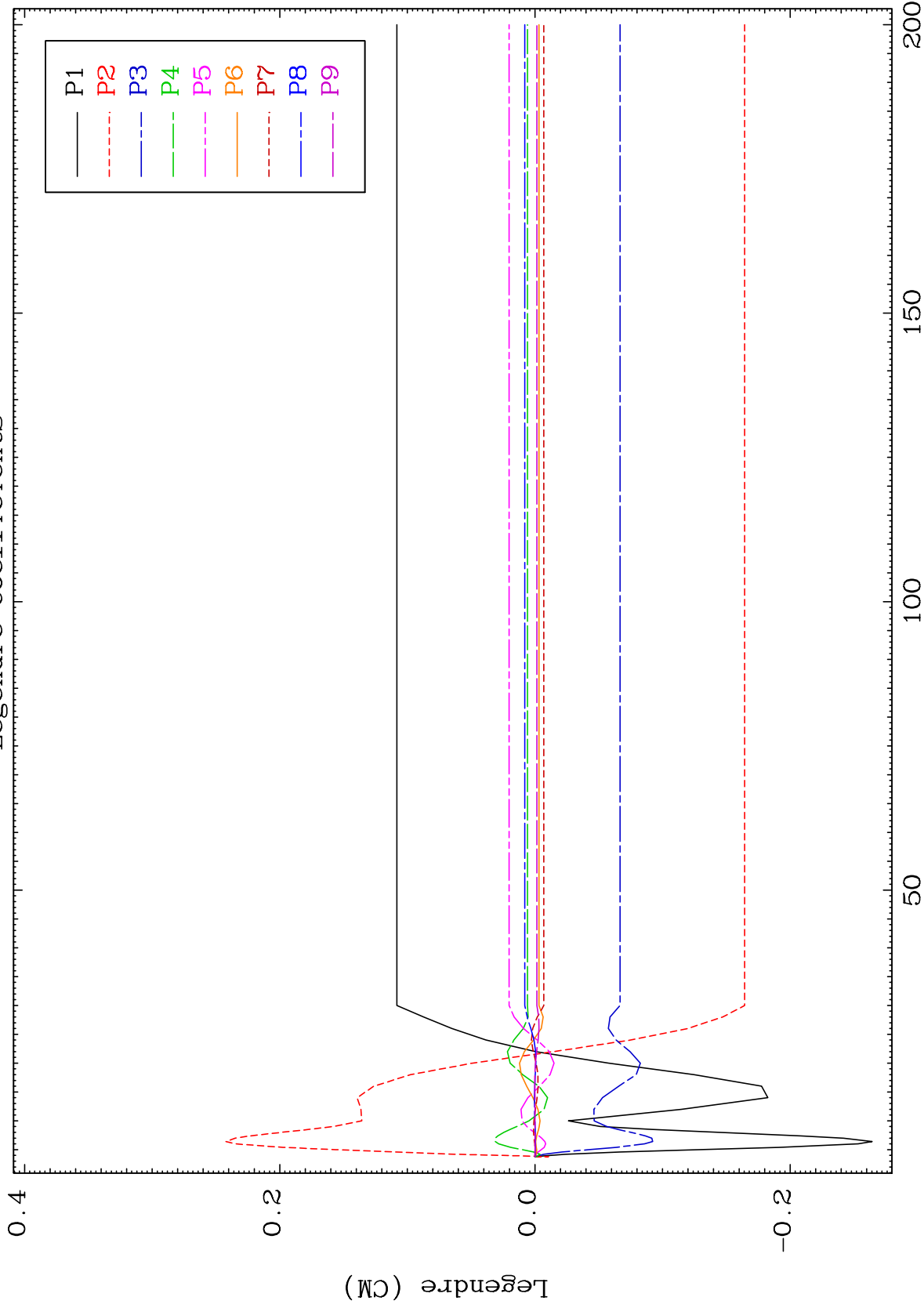


103 Incident Energy (MeV) 54-Xe-116

MAT 5401

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

54-Xe-116



104

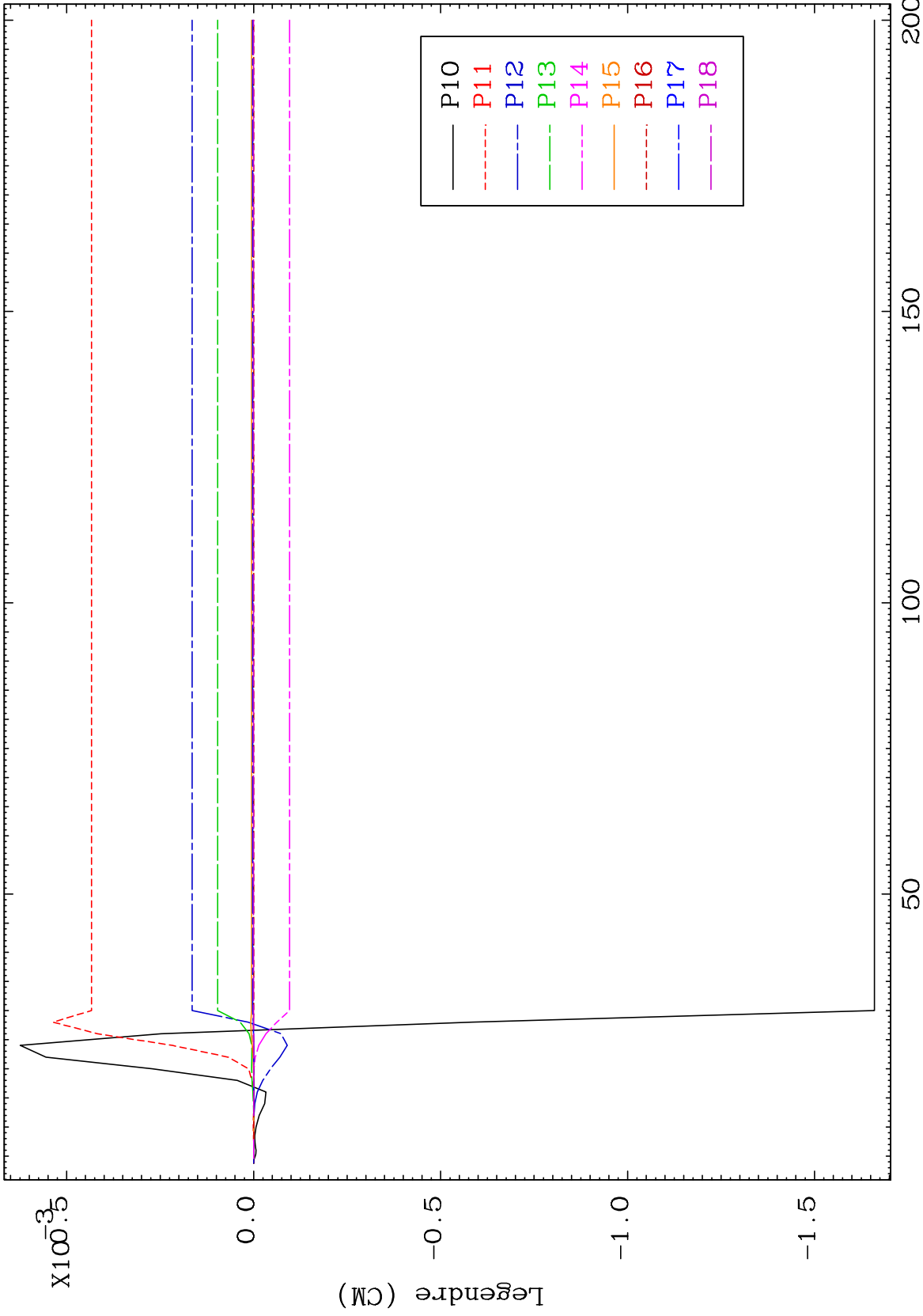
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



105

Incident Energy (MeV)

150

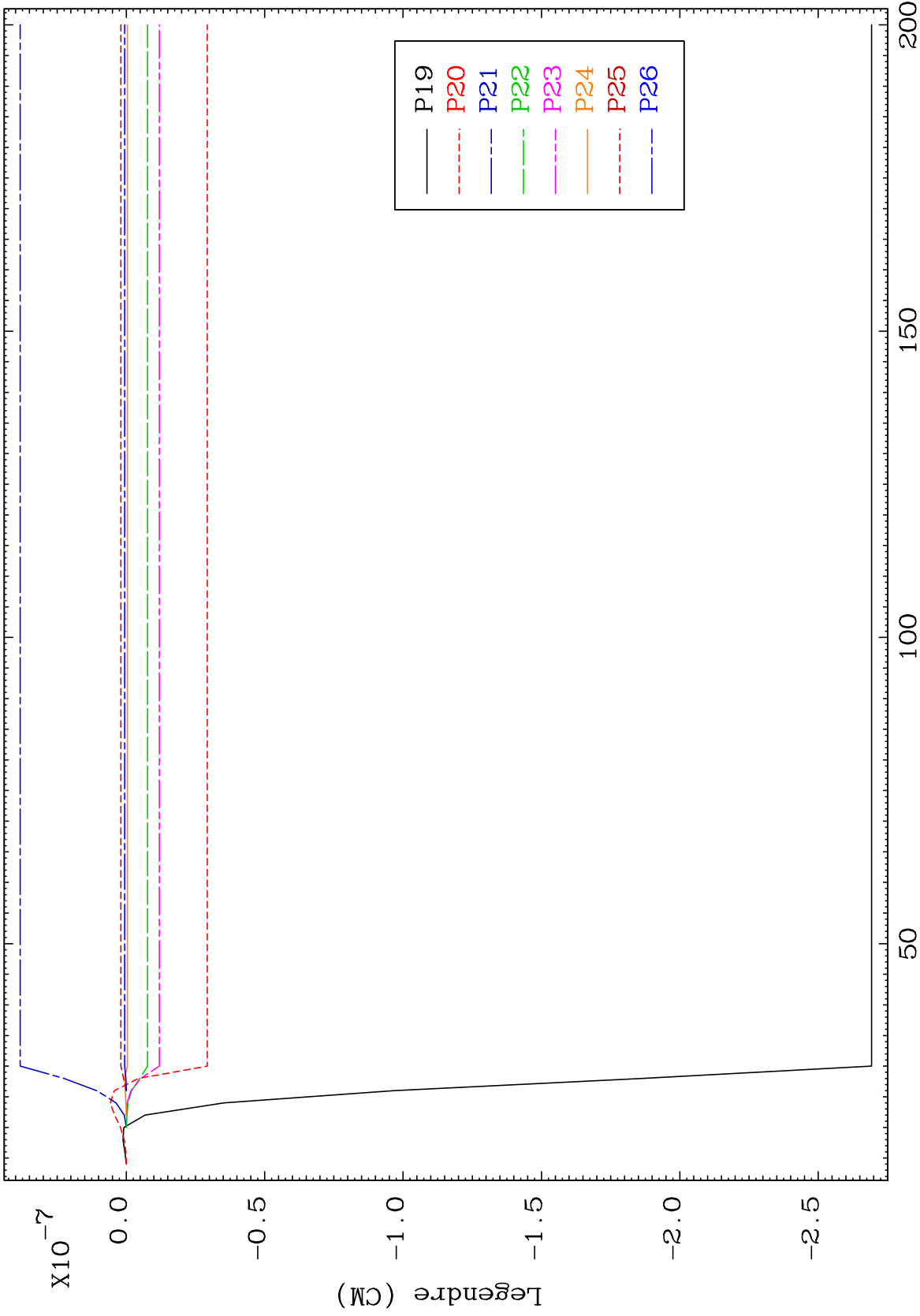
54-Xe-116

200

MAT 5401

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

54-Xe-116



106

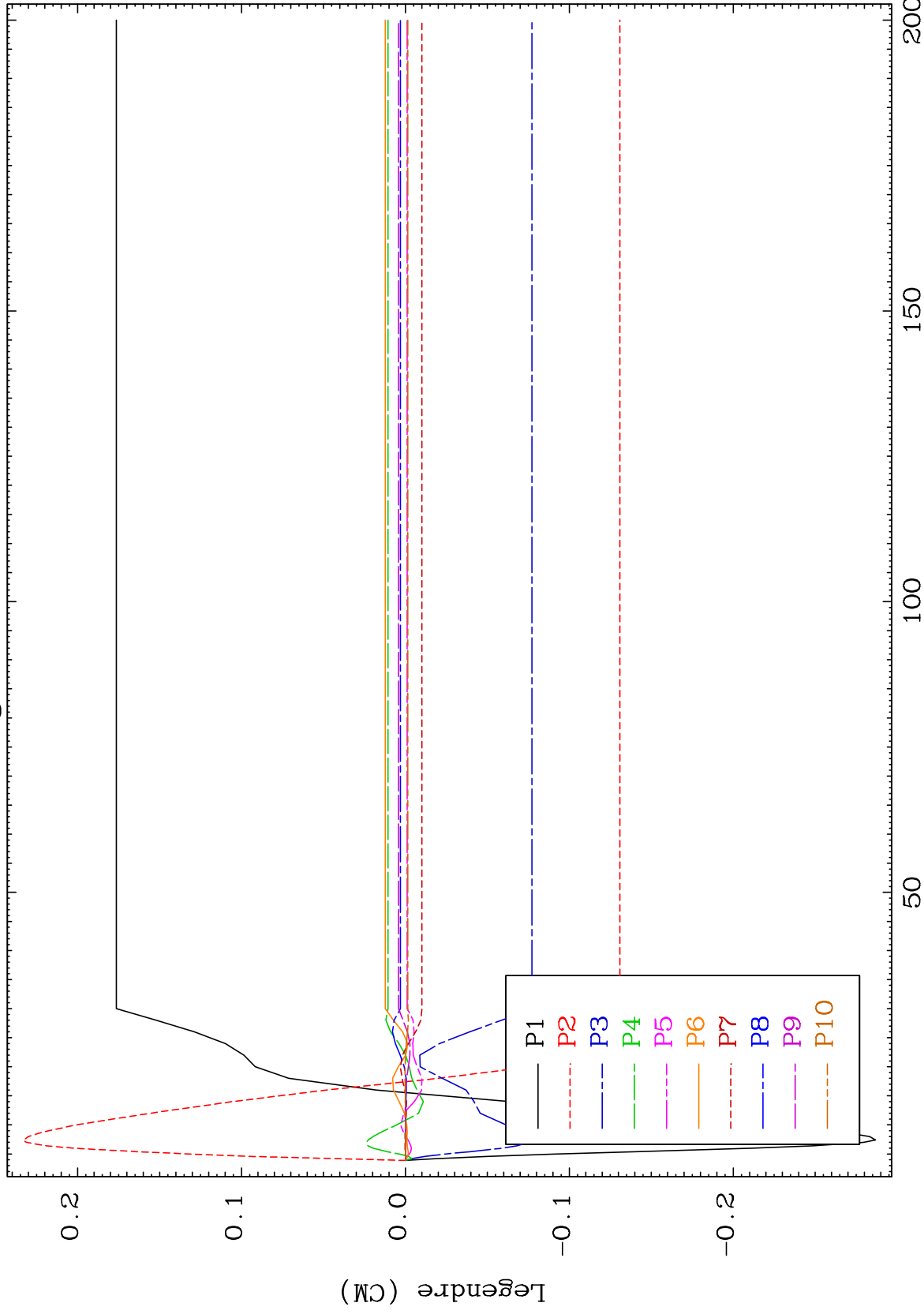
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



107

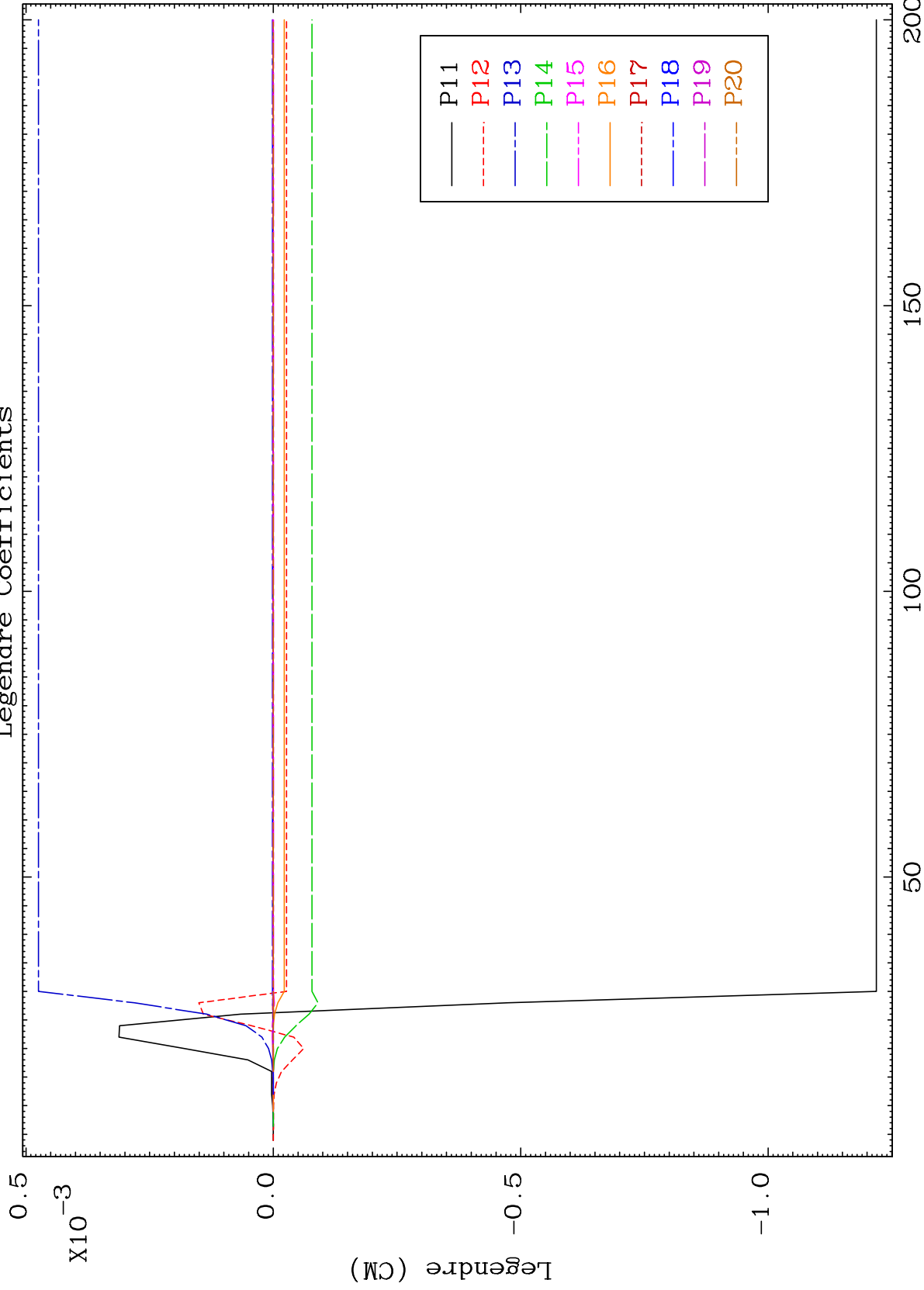
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



108

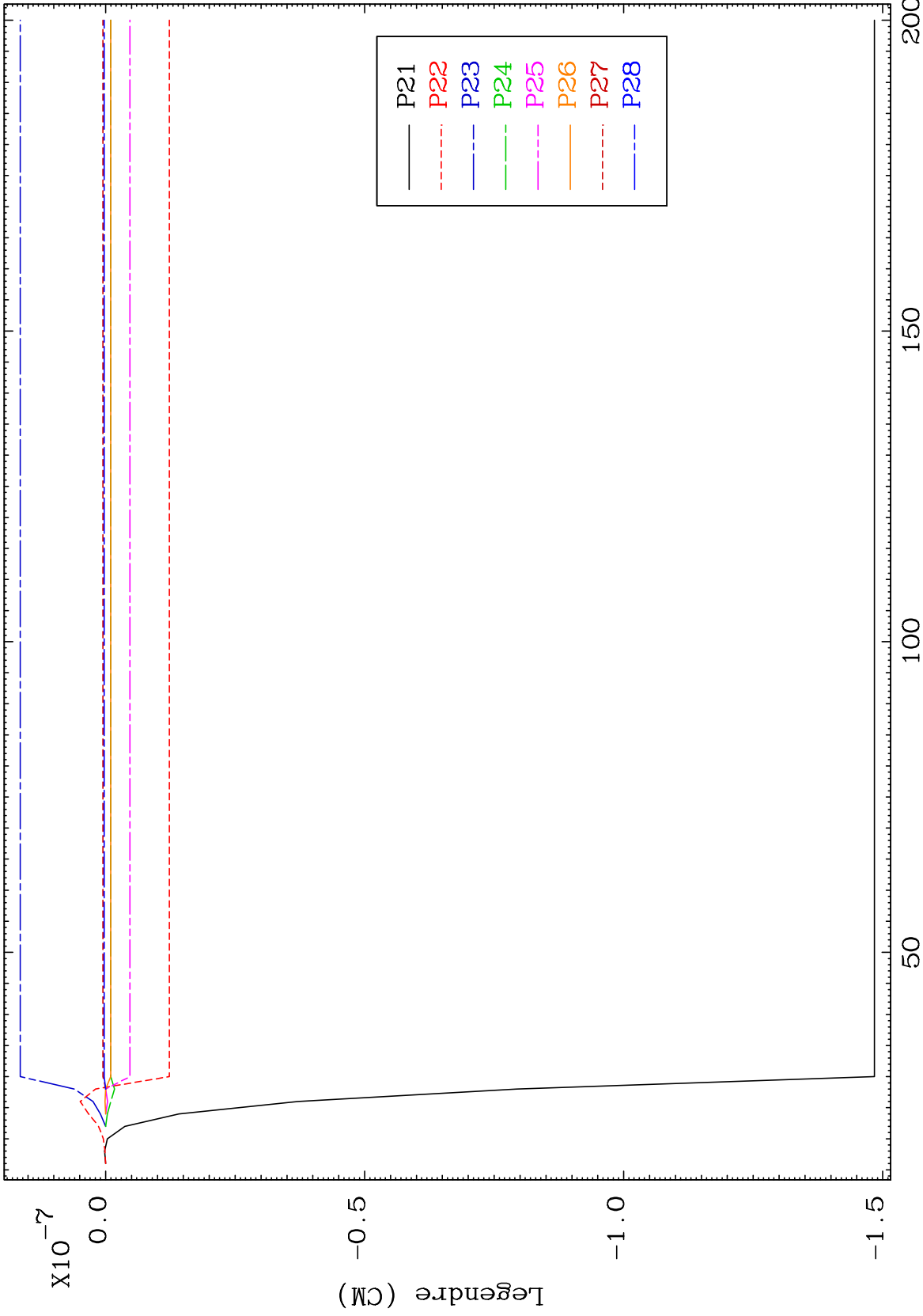
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



109

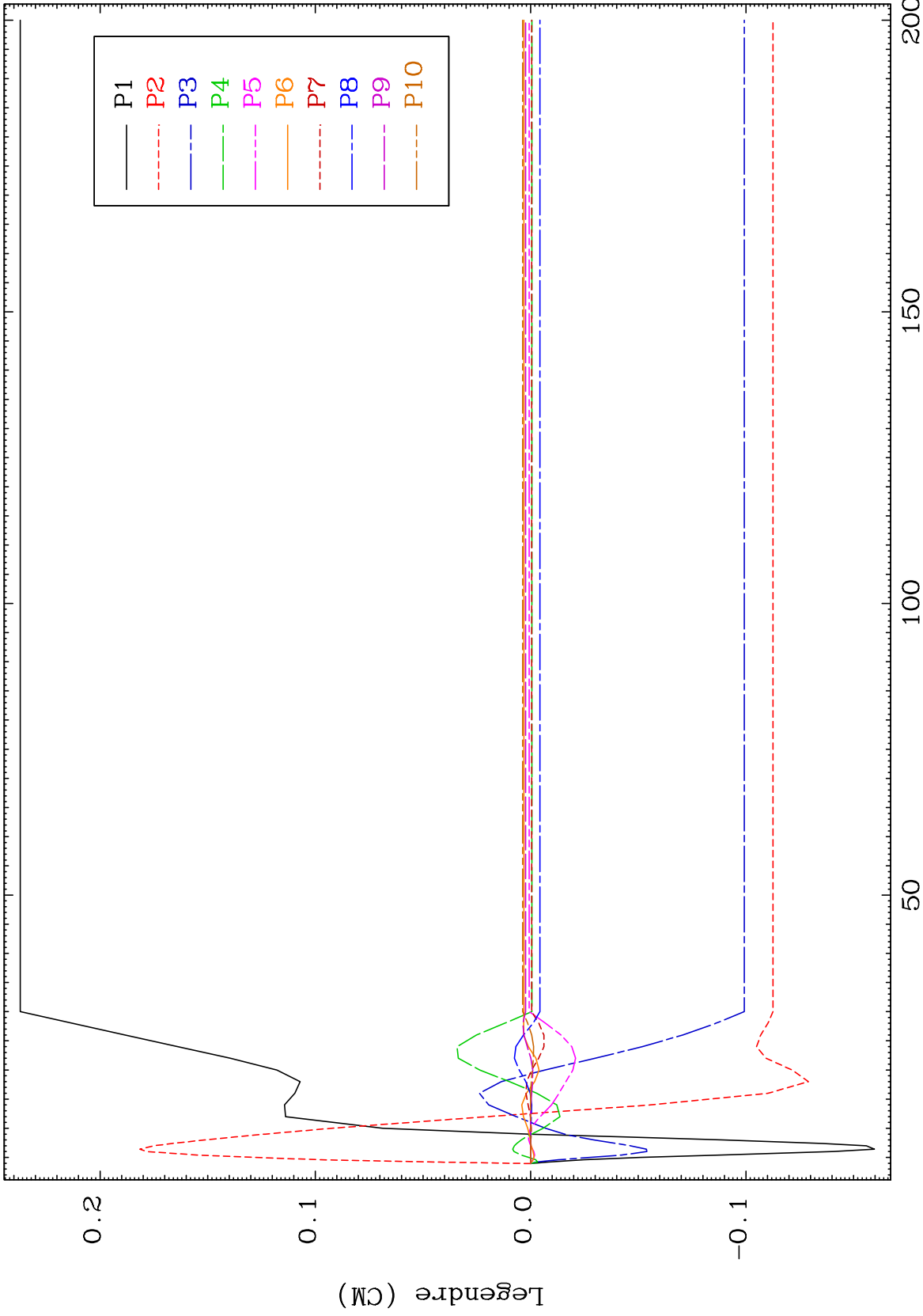
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



110

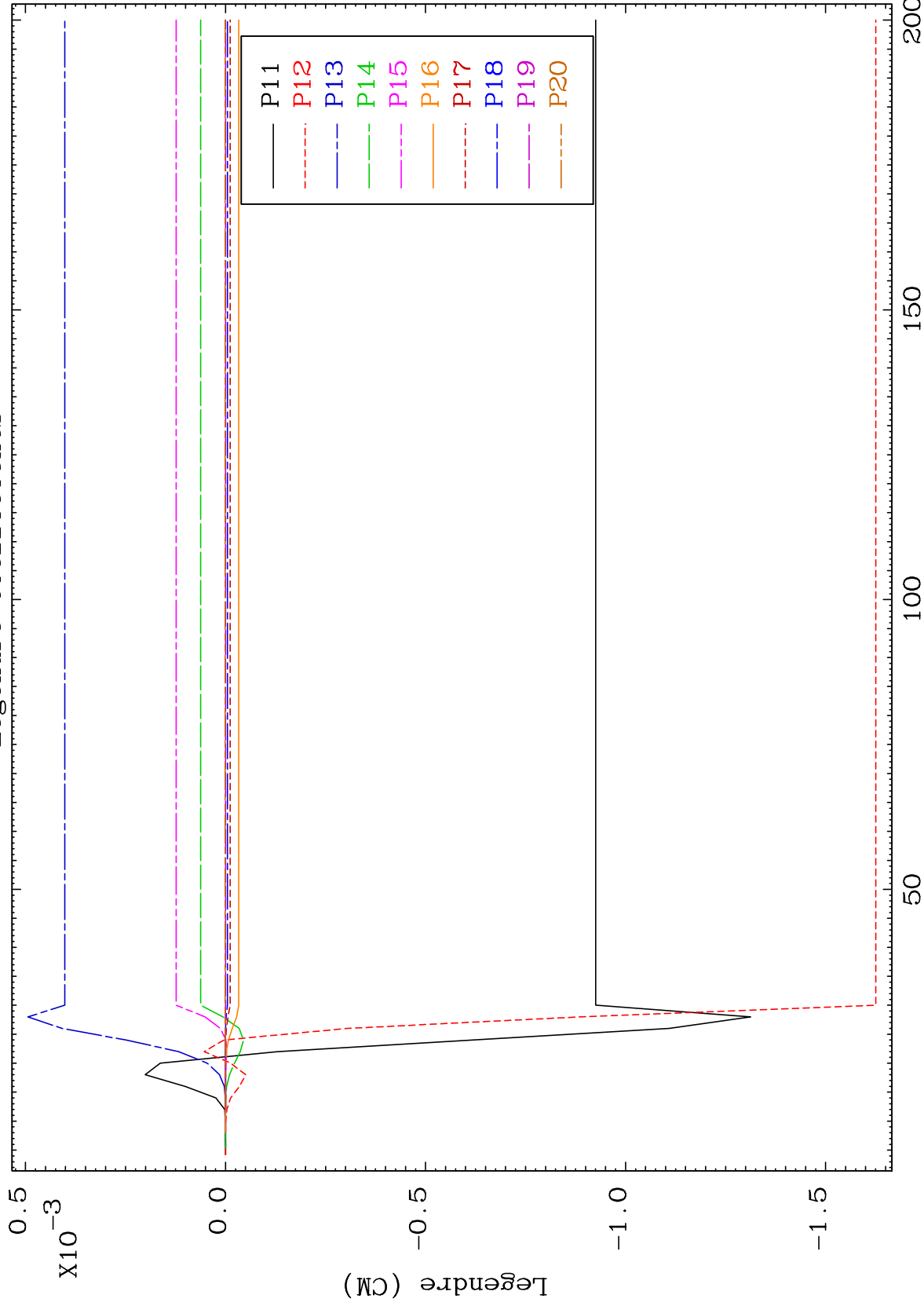
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



111

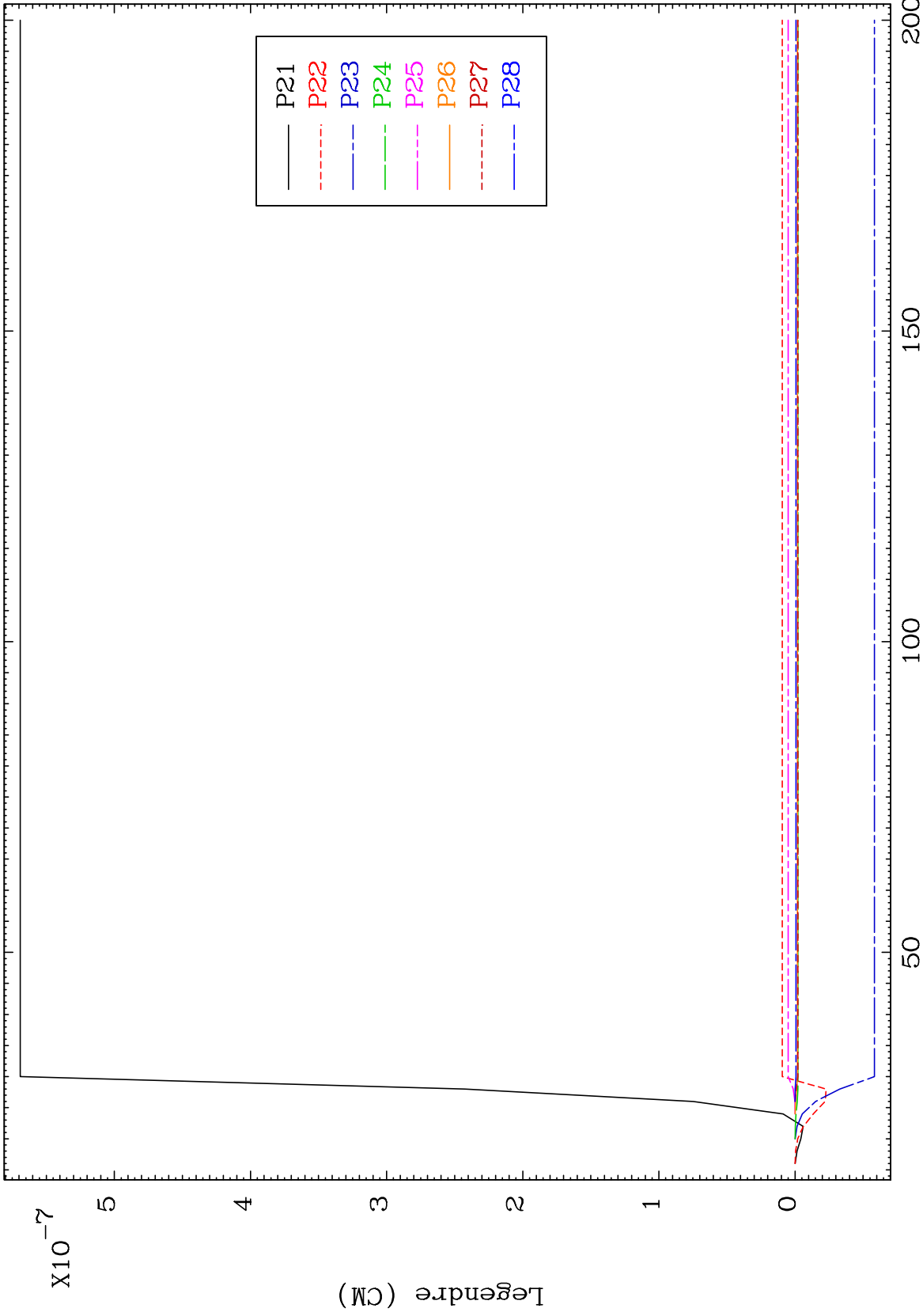
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



112

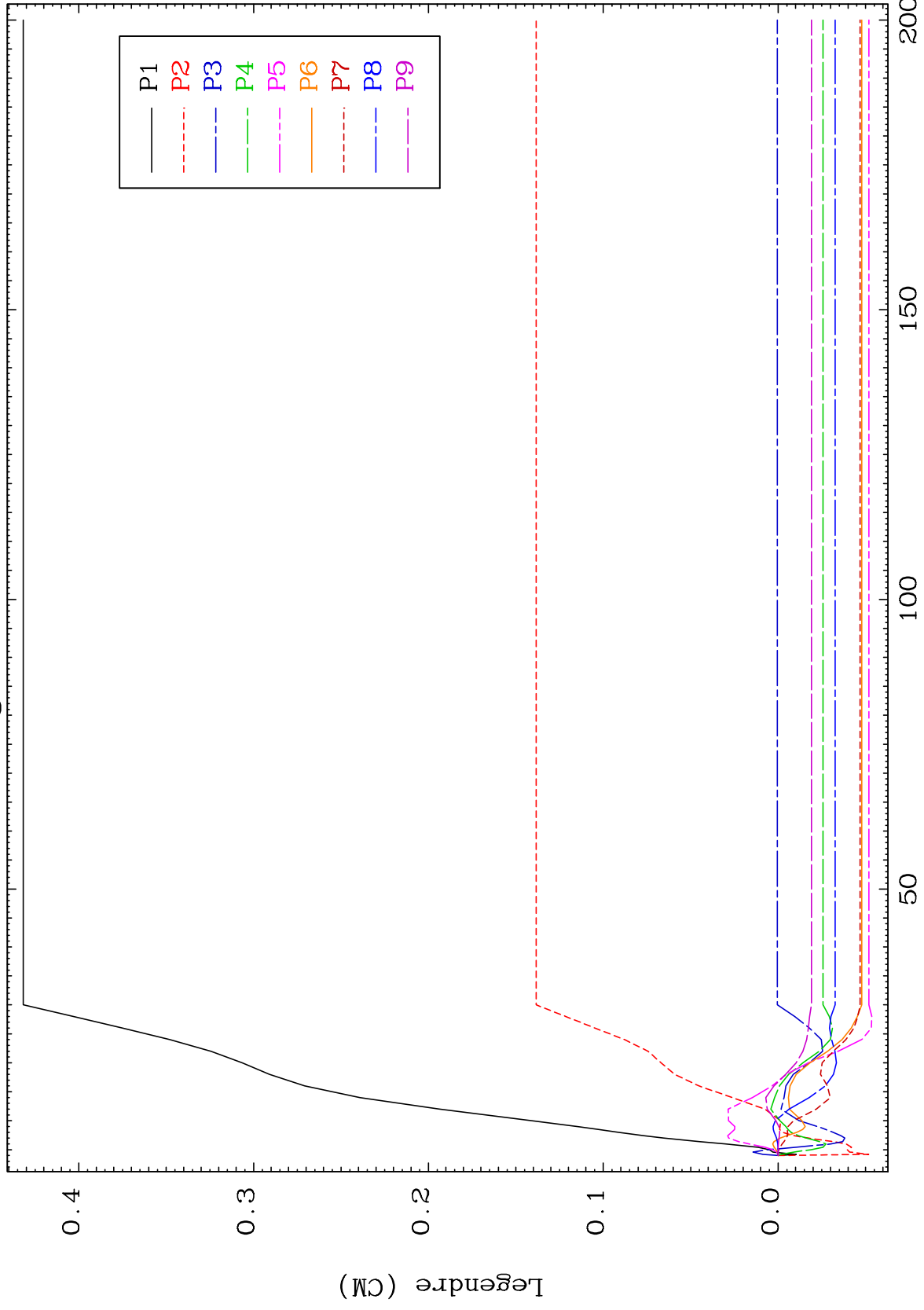
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



113

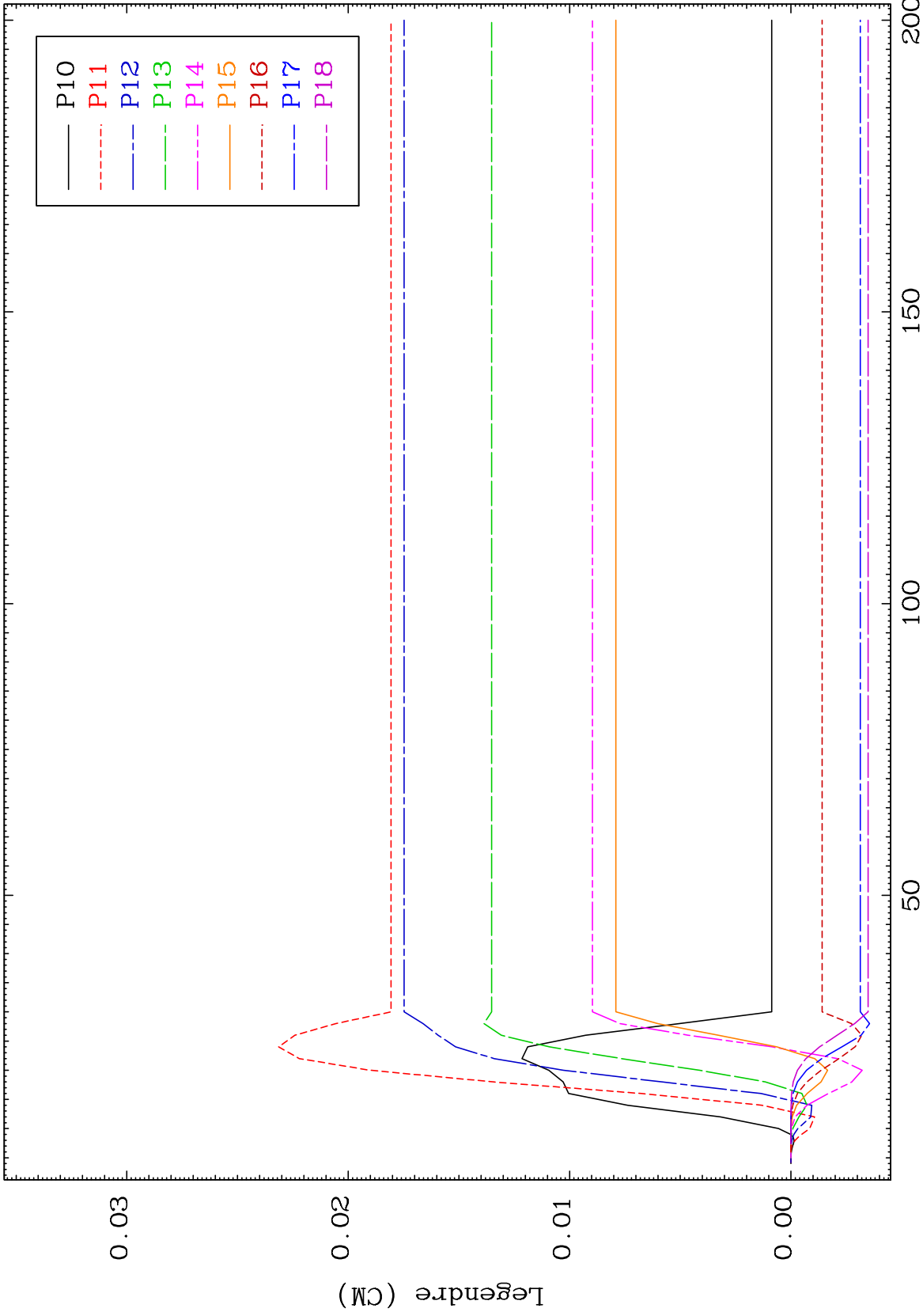
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



114

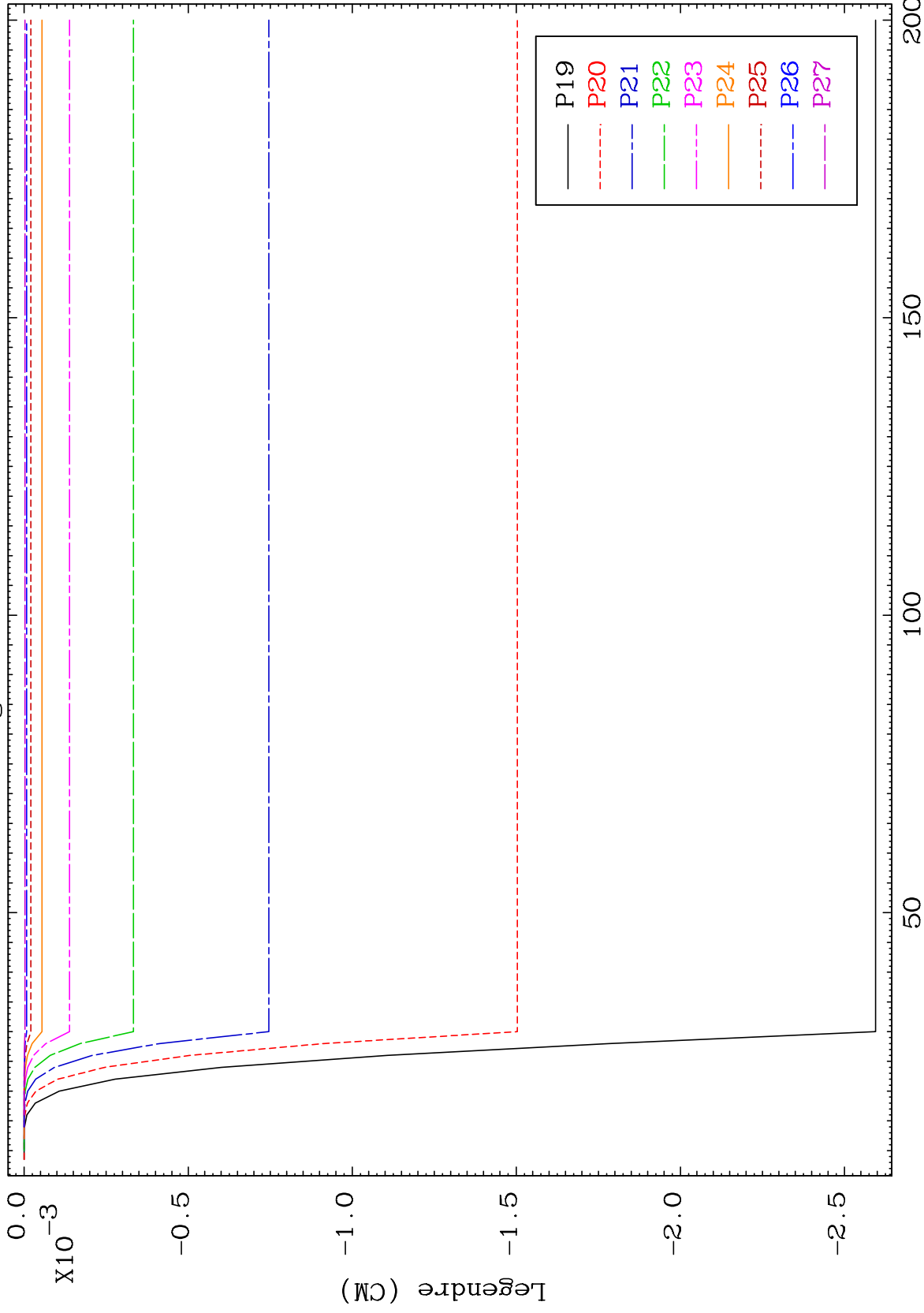
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



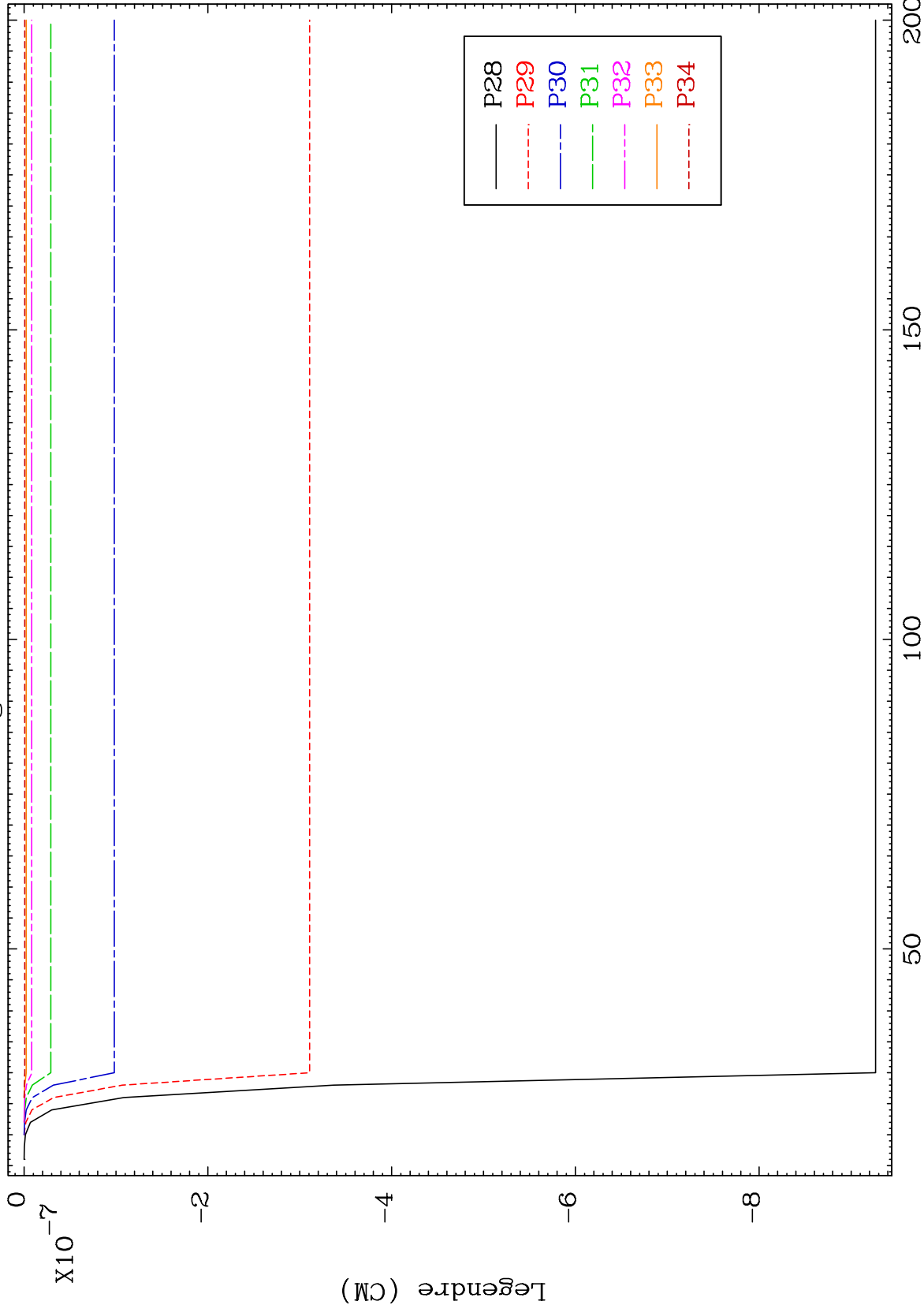
115

54-Xe-116

MAT 5401

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

54-Xe-116



116

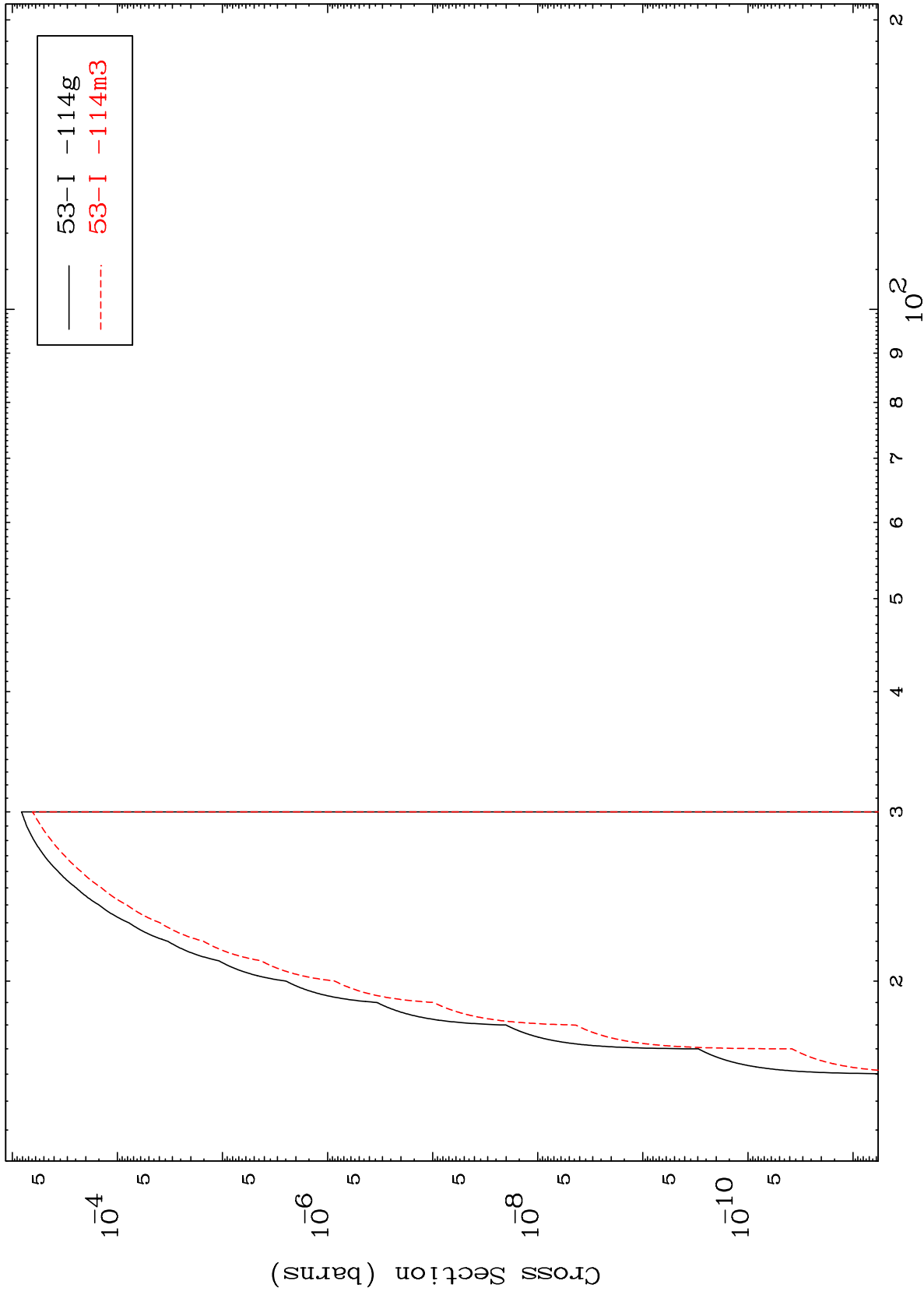
54-Xe-116

MAT 5401

(n,n') d

54-Xe-116

Radionuclide Production Cross Section



117

Incident Energy (MeV)

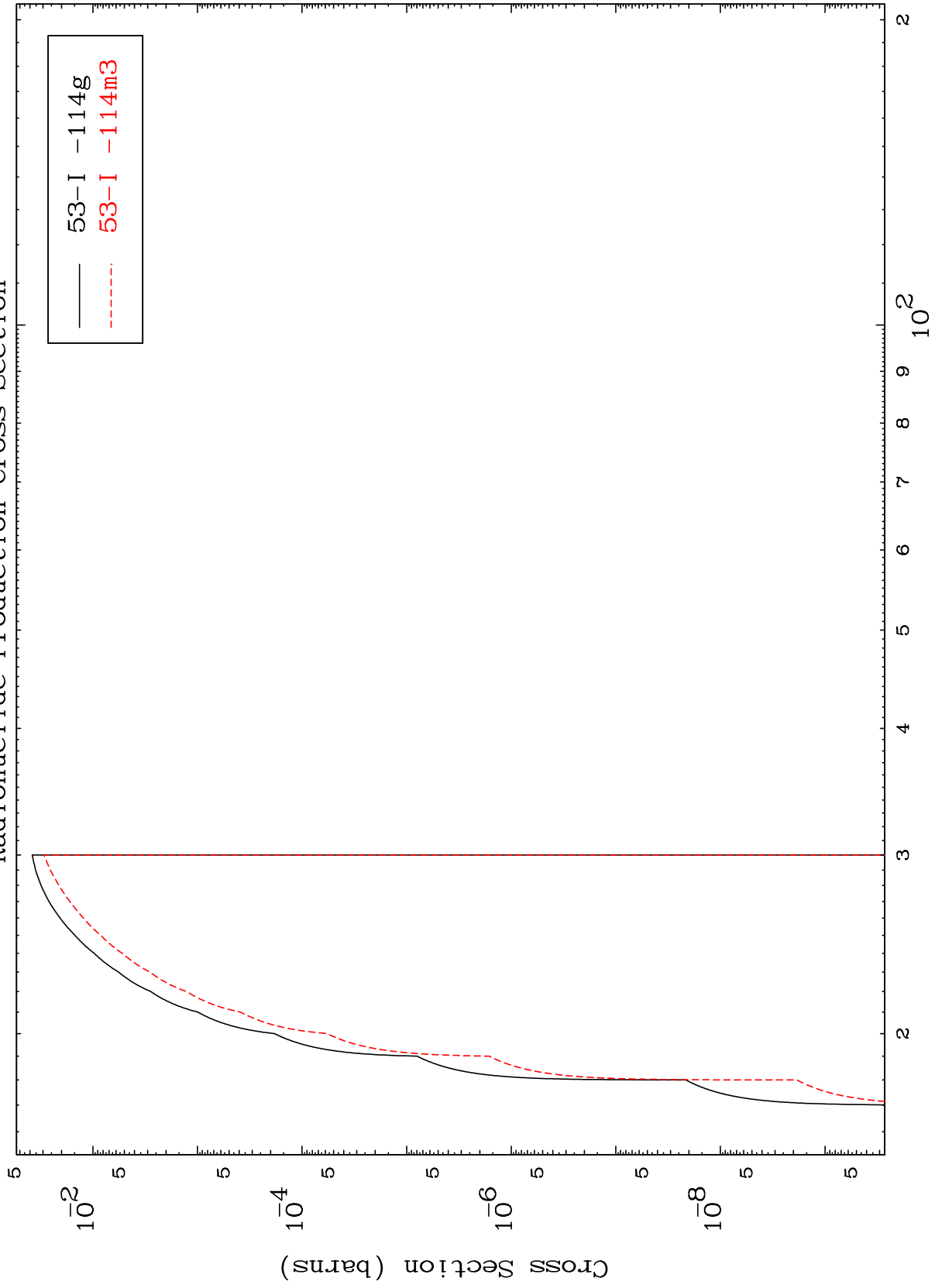
54-Xe-116

MAT 5401

(n,2n) p

54-Xe-116

Radionuclide Production Cross Section



118

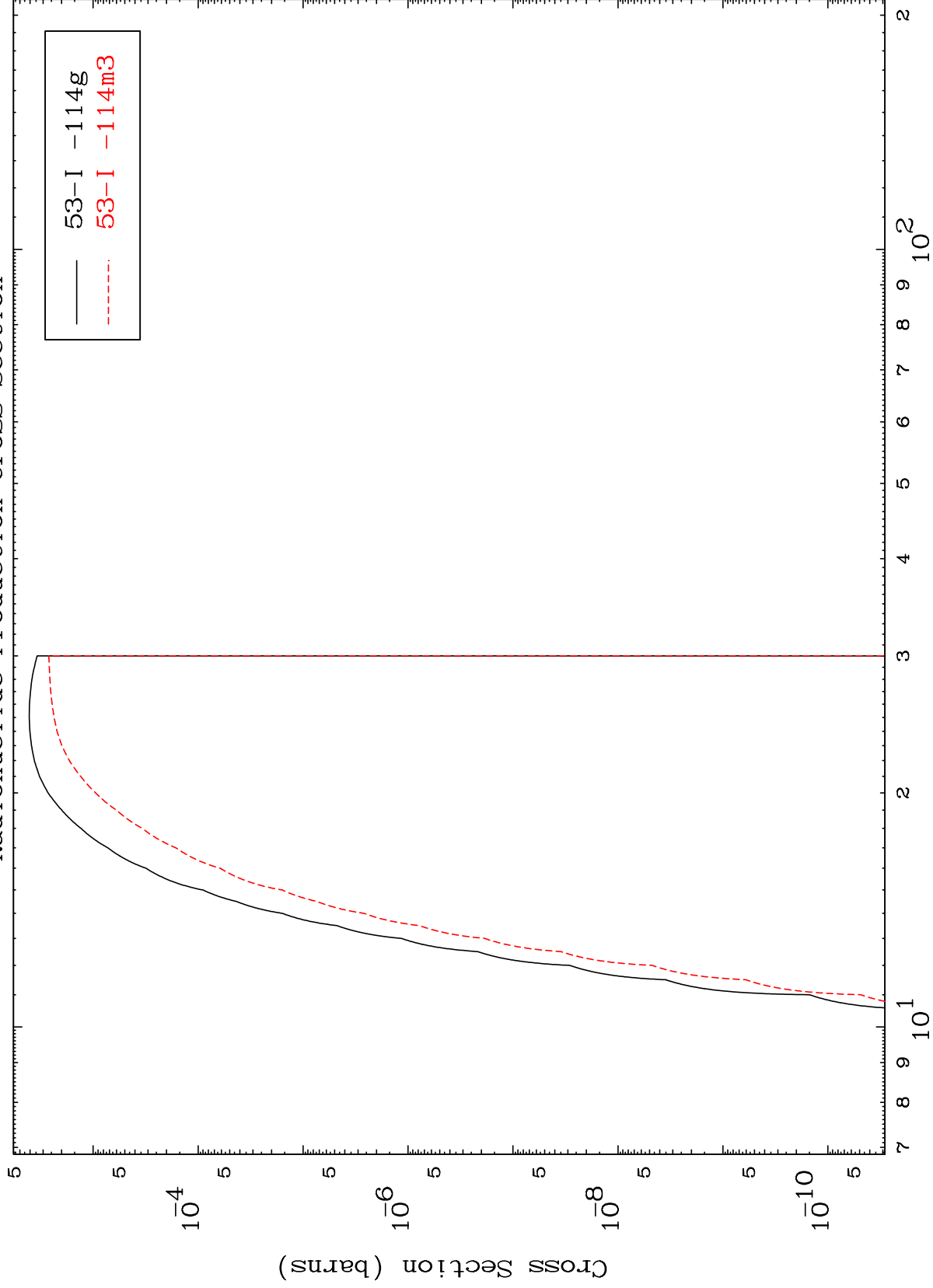
Incident Energy (MeV)

54-Xe-116

MAT 5401

54-Xe-116

(n,t)
Radionuclide Production Cross Section



119

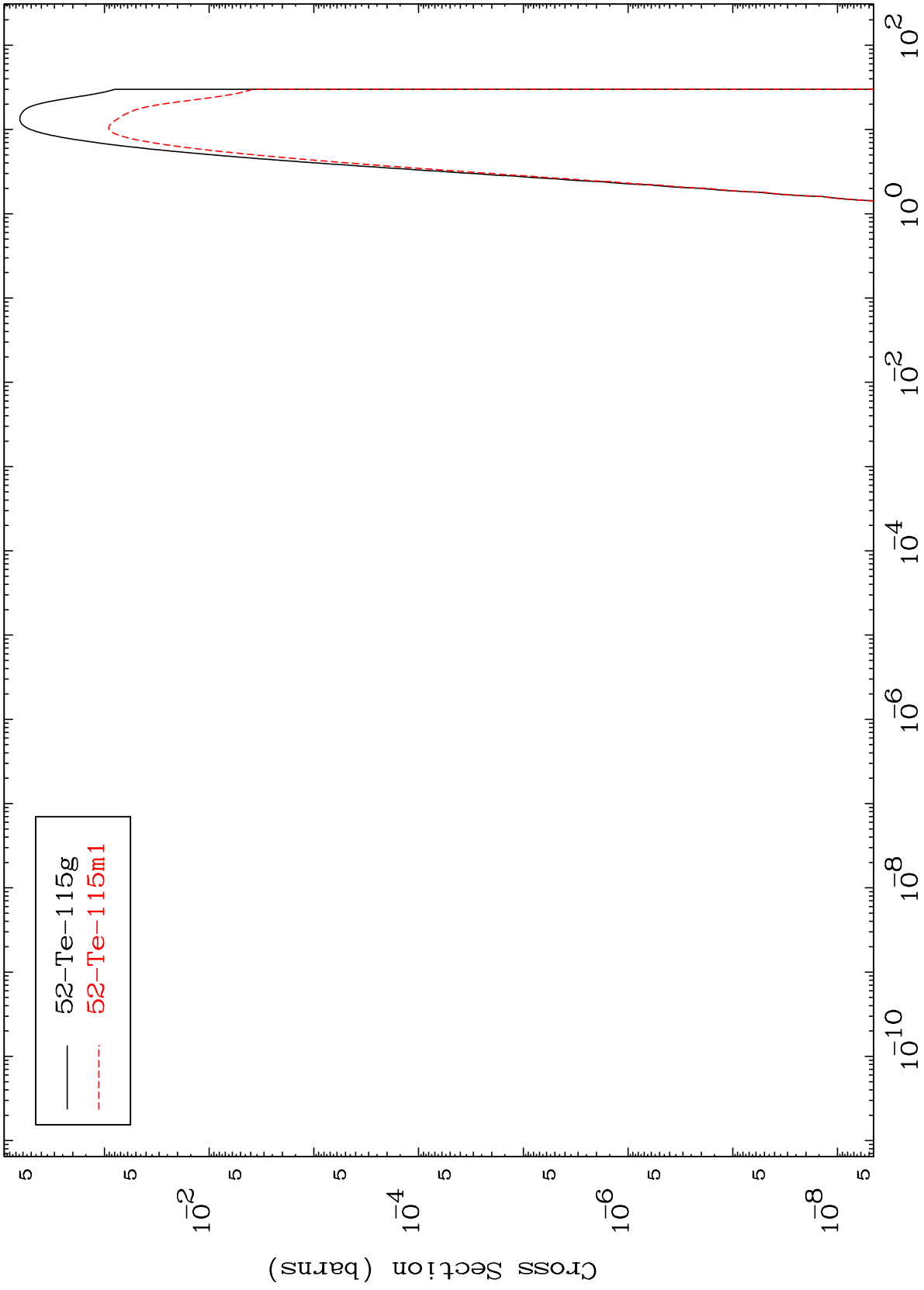
Incident Energy (MeV)

54-Xe-116

MAT 5401

(n,2p)
Radionuclide Production Cross Section

54-Xe-116



120

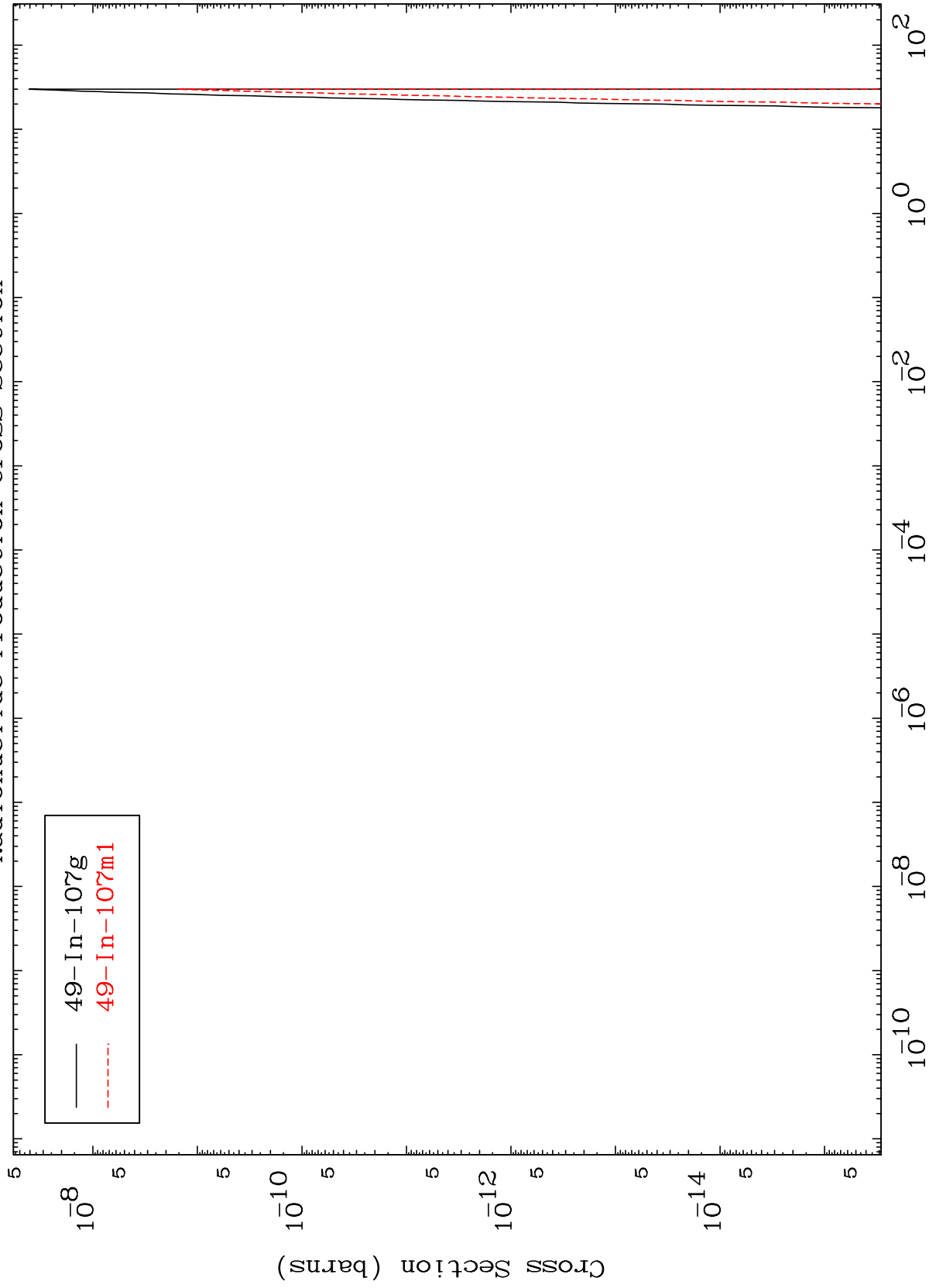
54-Xe-116

MAT 5401

(n,d) 2α

54-Xe-116

Radionuclide Production Cross Section



121

Incident Energy (MeV)

54-Xe-116