

Program EVALPLOT
(Version 2018-1)

by

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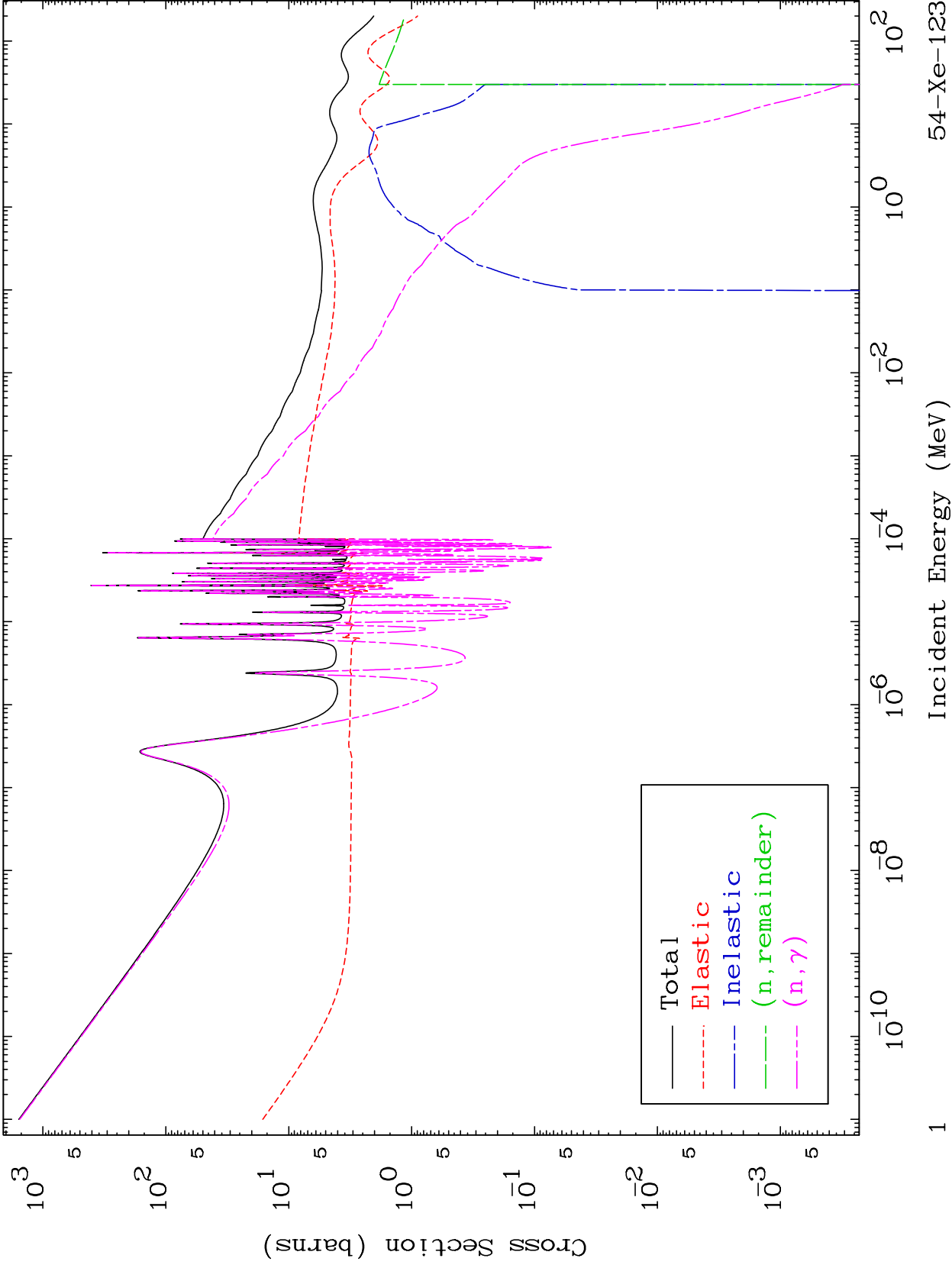
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5422

Major
293 Kelvin Cross Sections

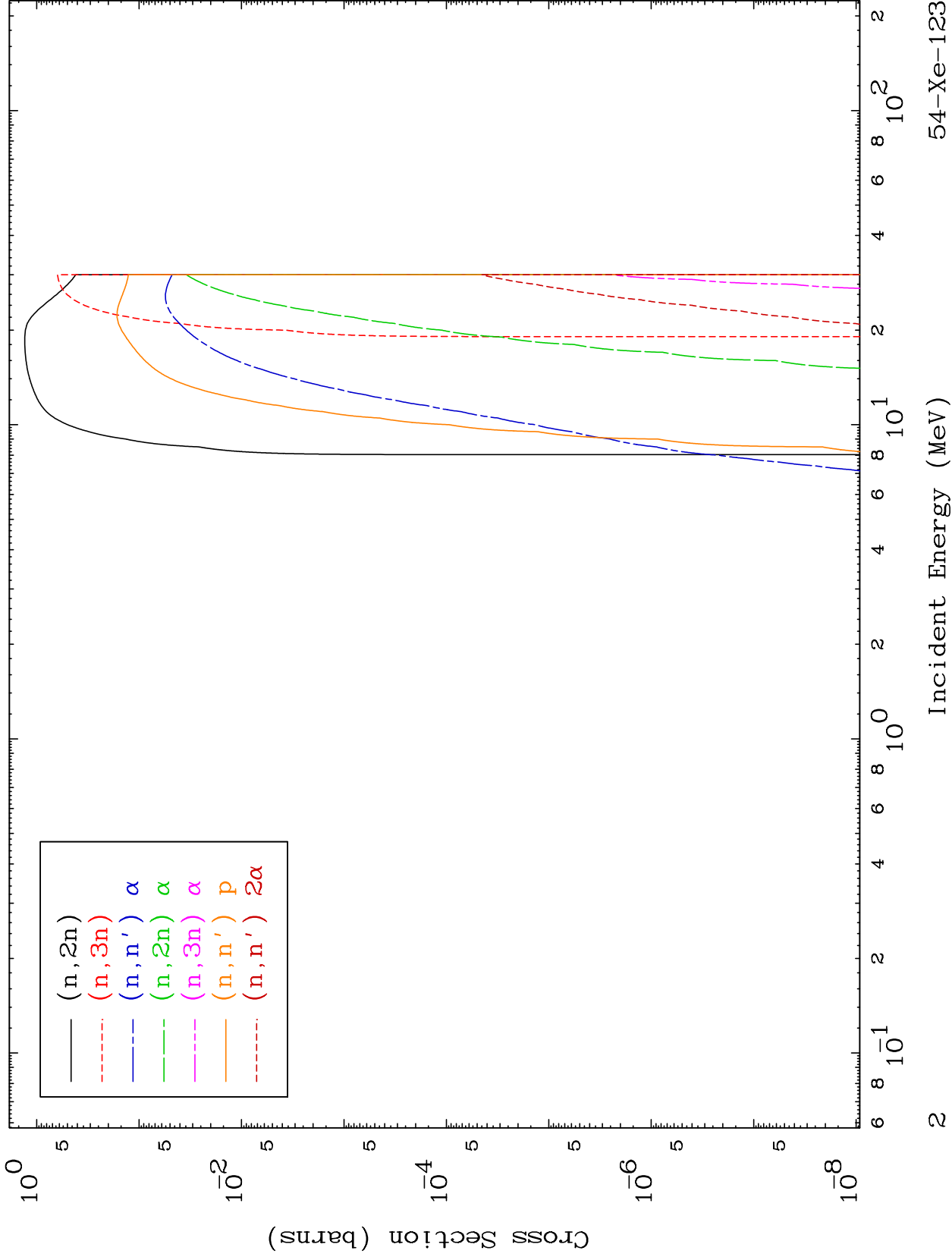
54-Xe-123

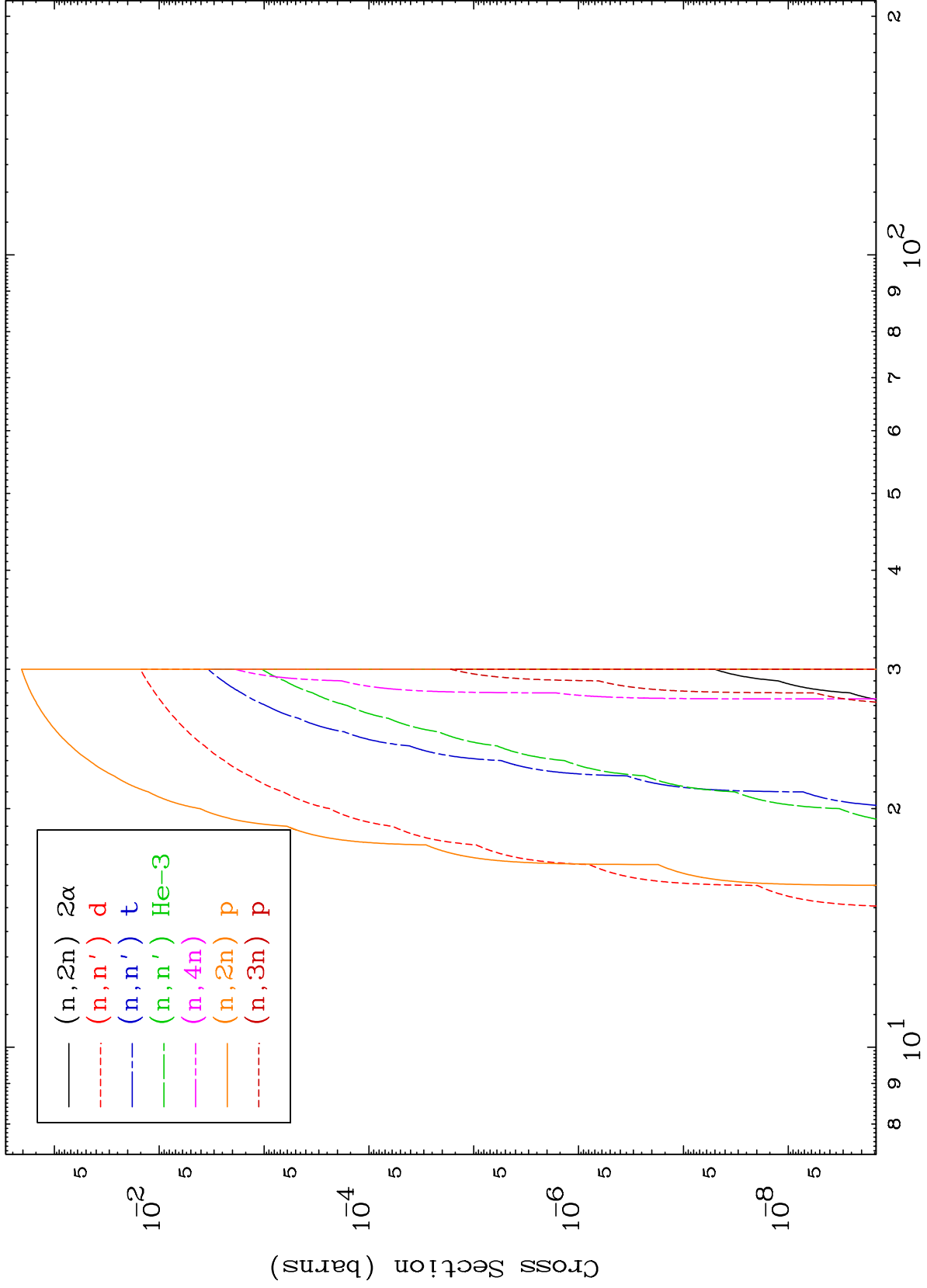


MAT 5422

Neutron Production
293 Kelvin Cross Sections

54-Xe-123

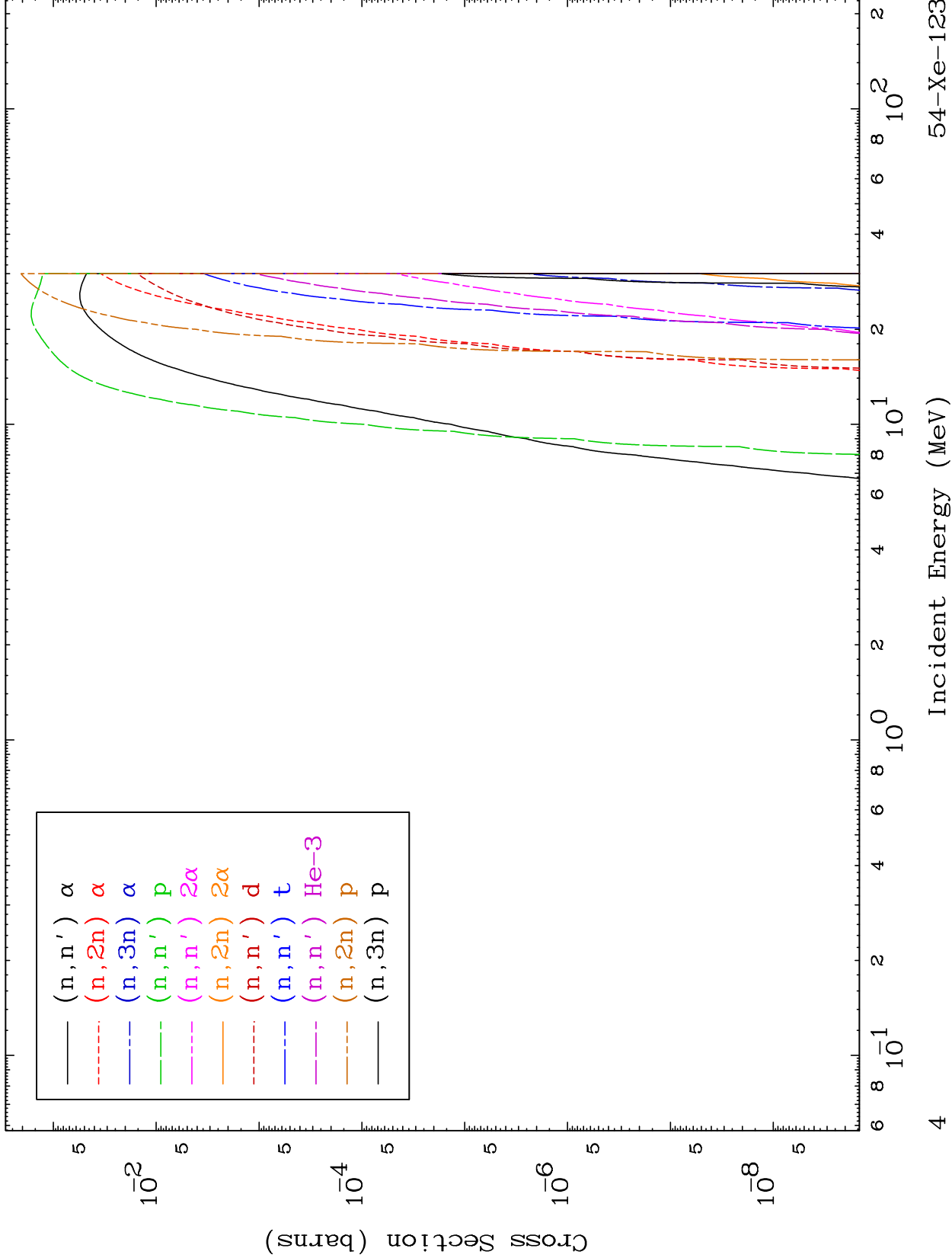


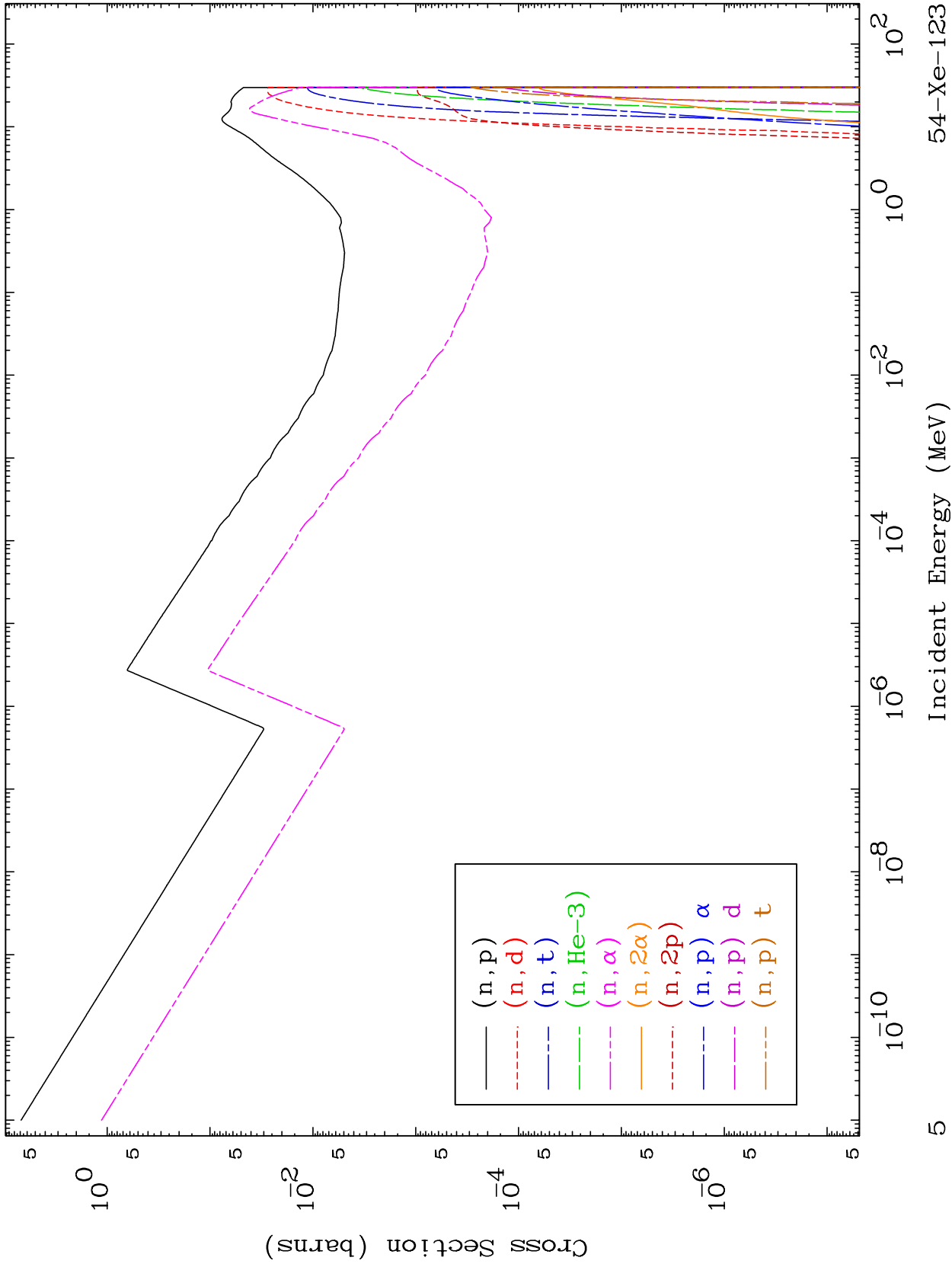


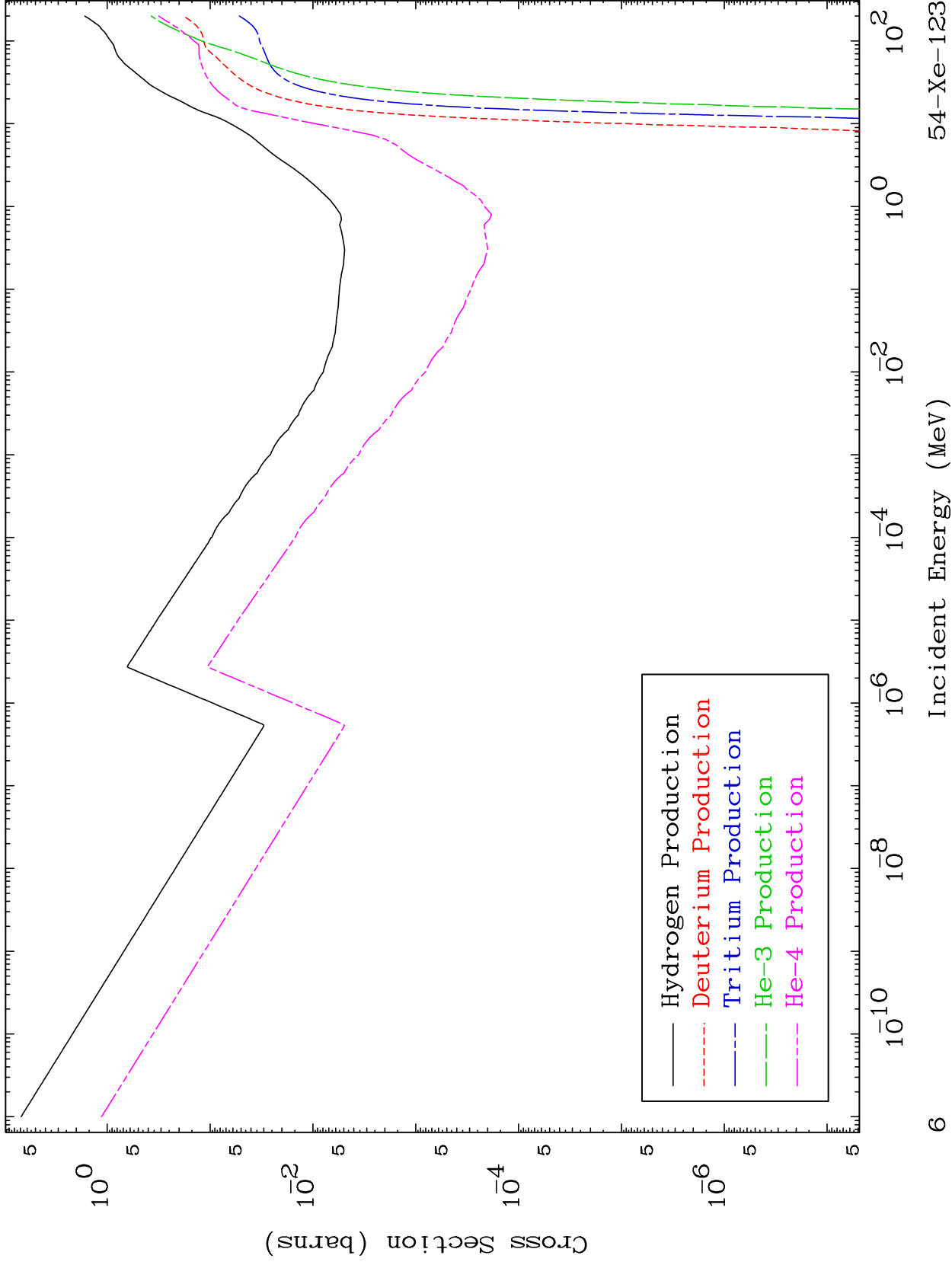
MAT 5422

Charged Particle
293 Kelvin Cross Sections

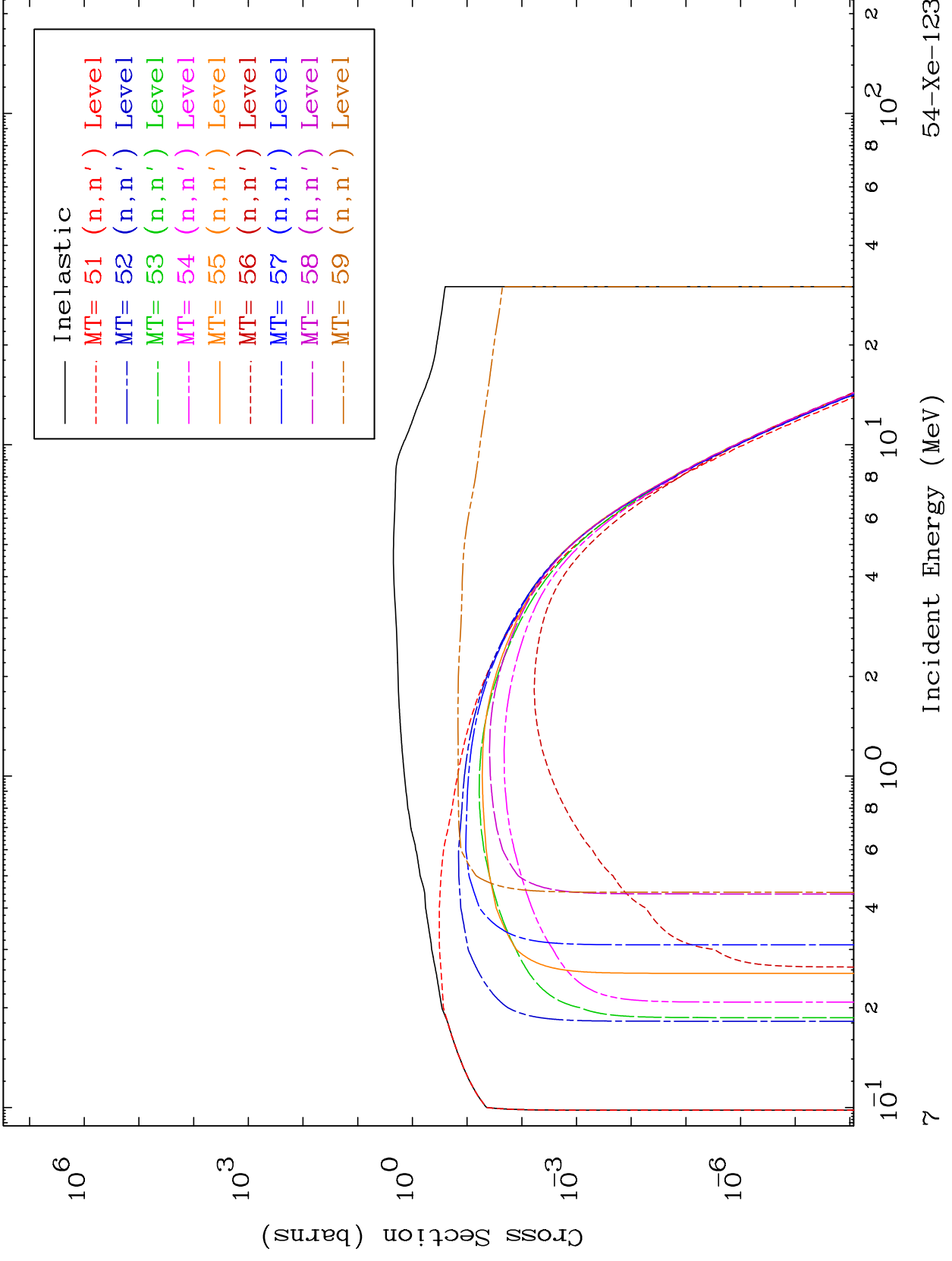
54-Xe-123



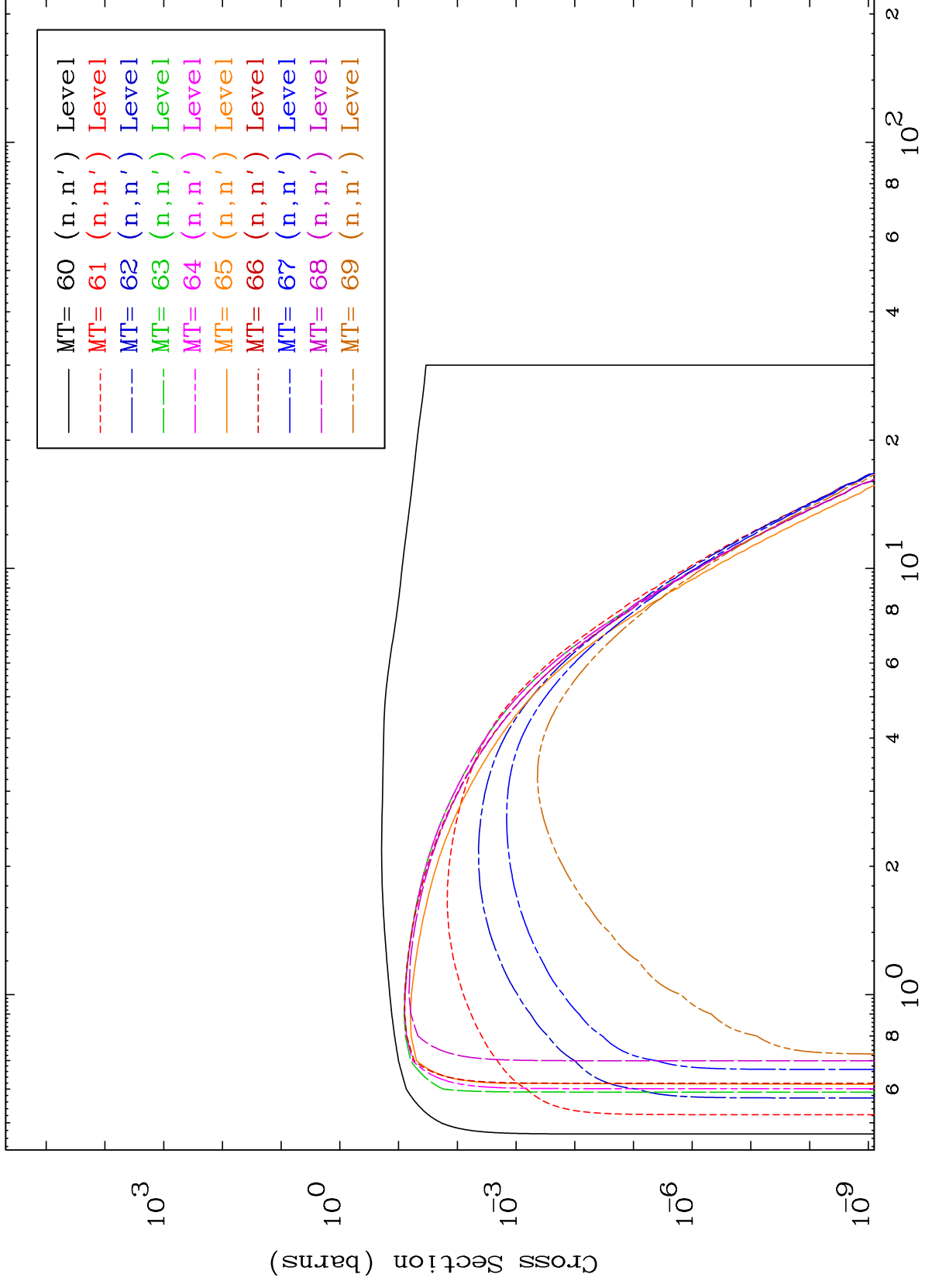




293 Kelvin Cross Sections



293 Kelvin Cross Sections

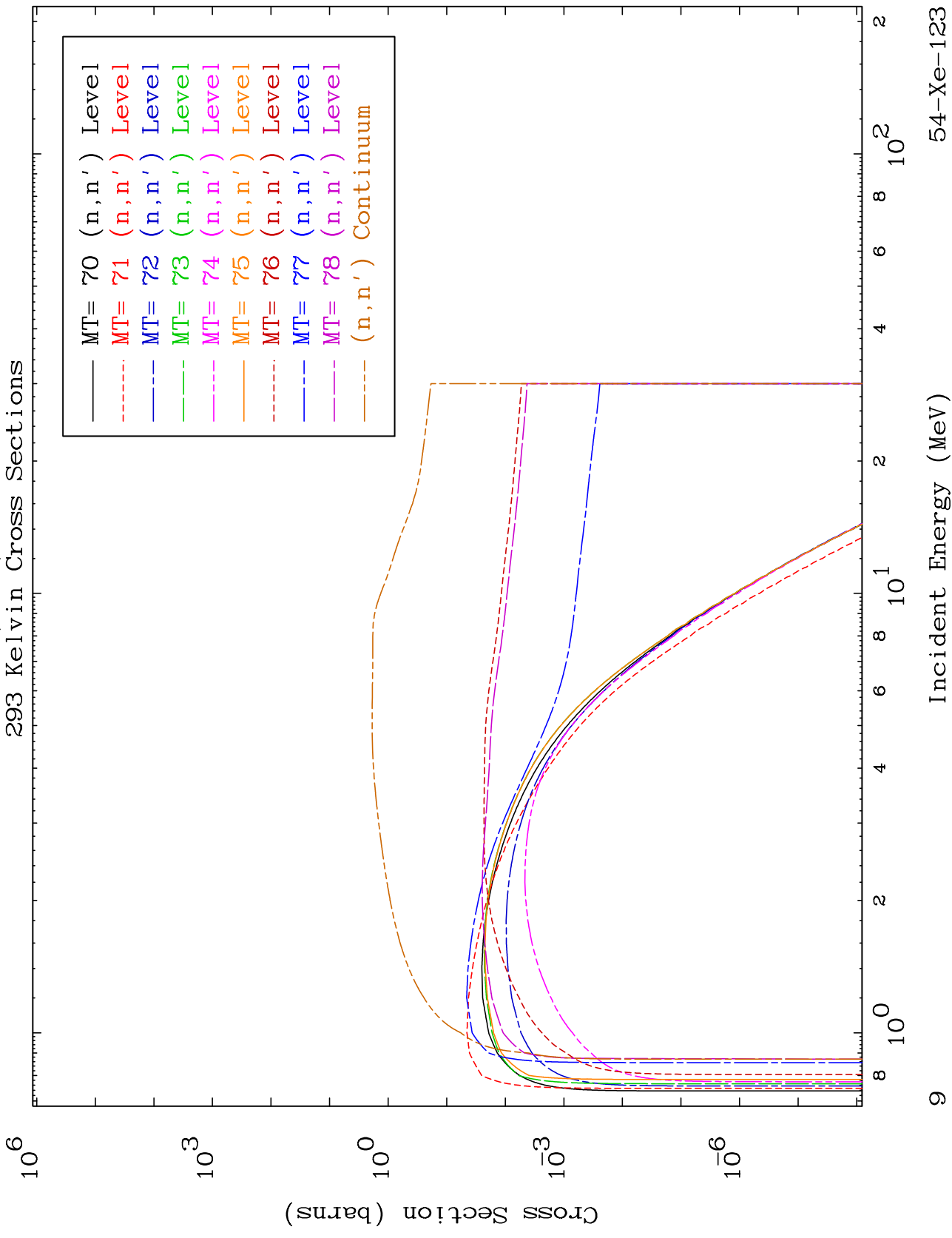


MAT 5422

(n,n') Level

54-Xe-123

293 Kelvin Cross Sections



9

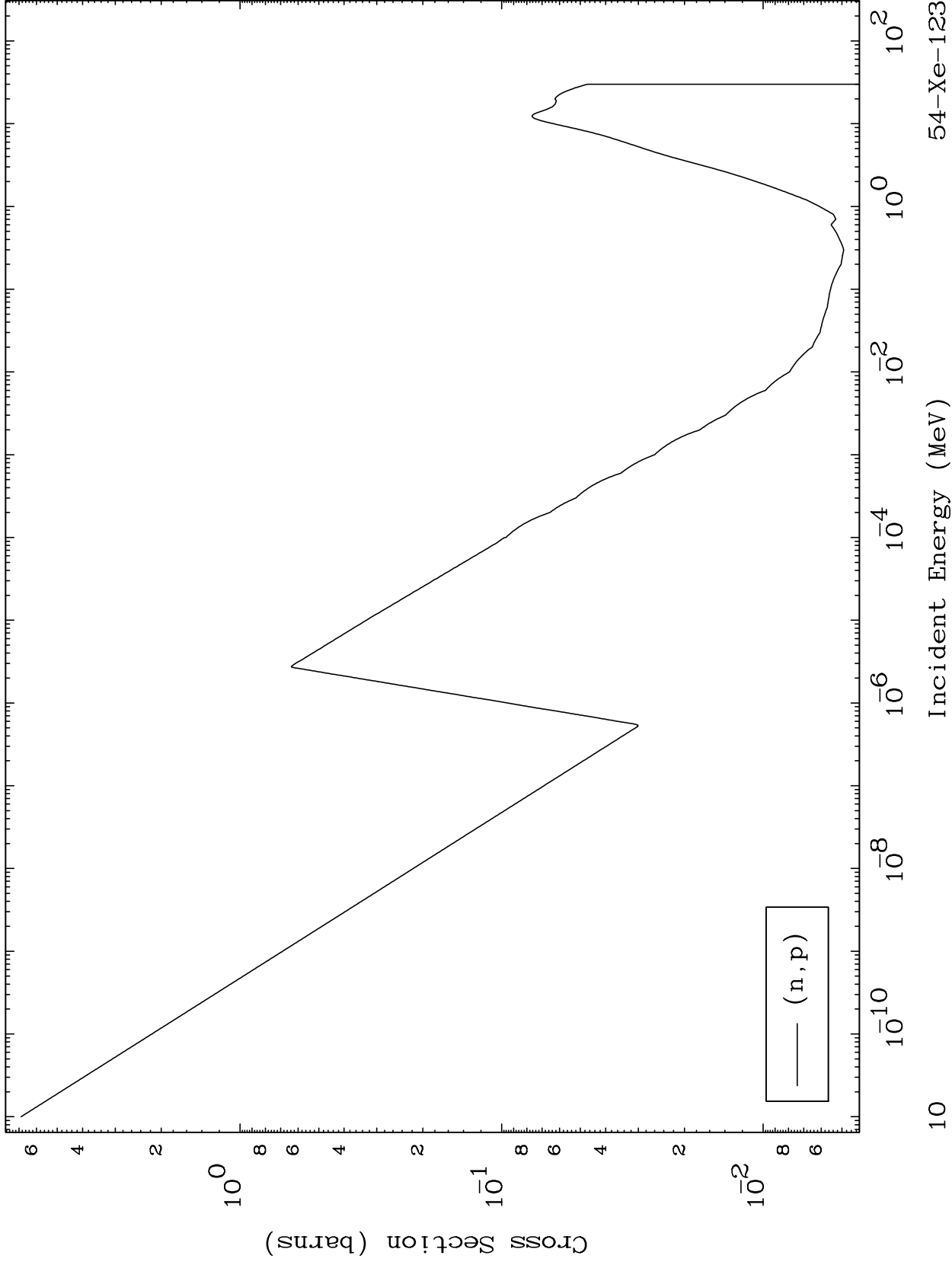
Incident Energy (MeV)

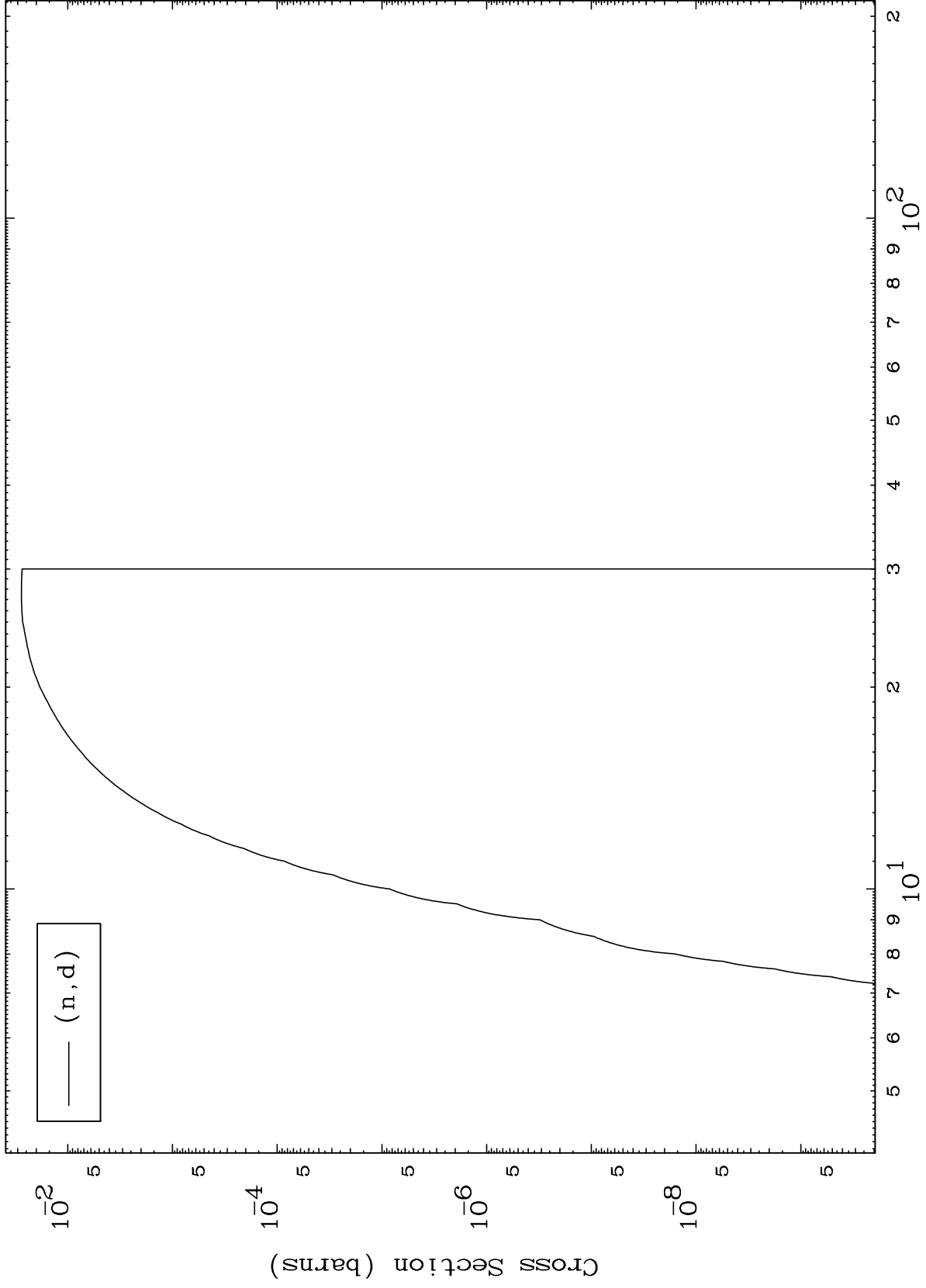
54-Xe-123

MAT 5422

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-123

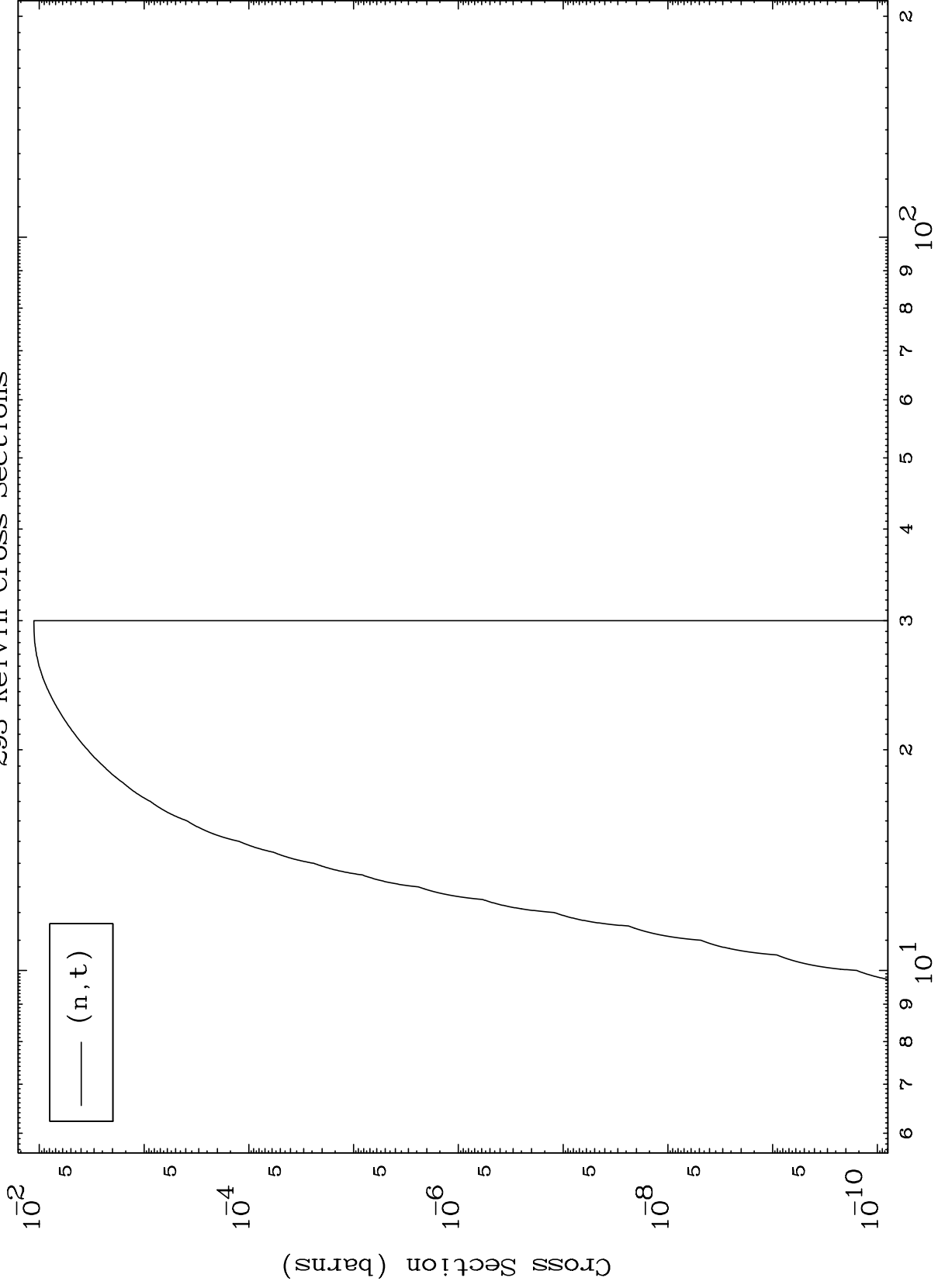




MAT 5422

(n, t) Levels
293 Kelvin Cross Sections

54-Xe-123



12

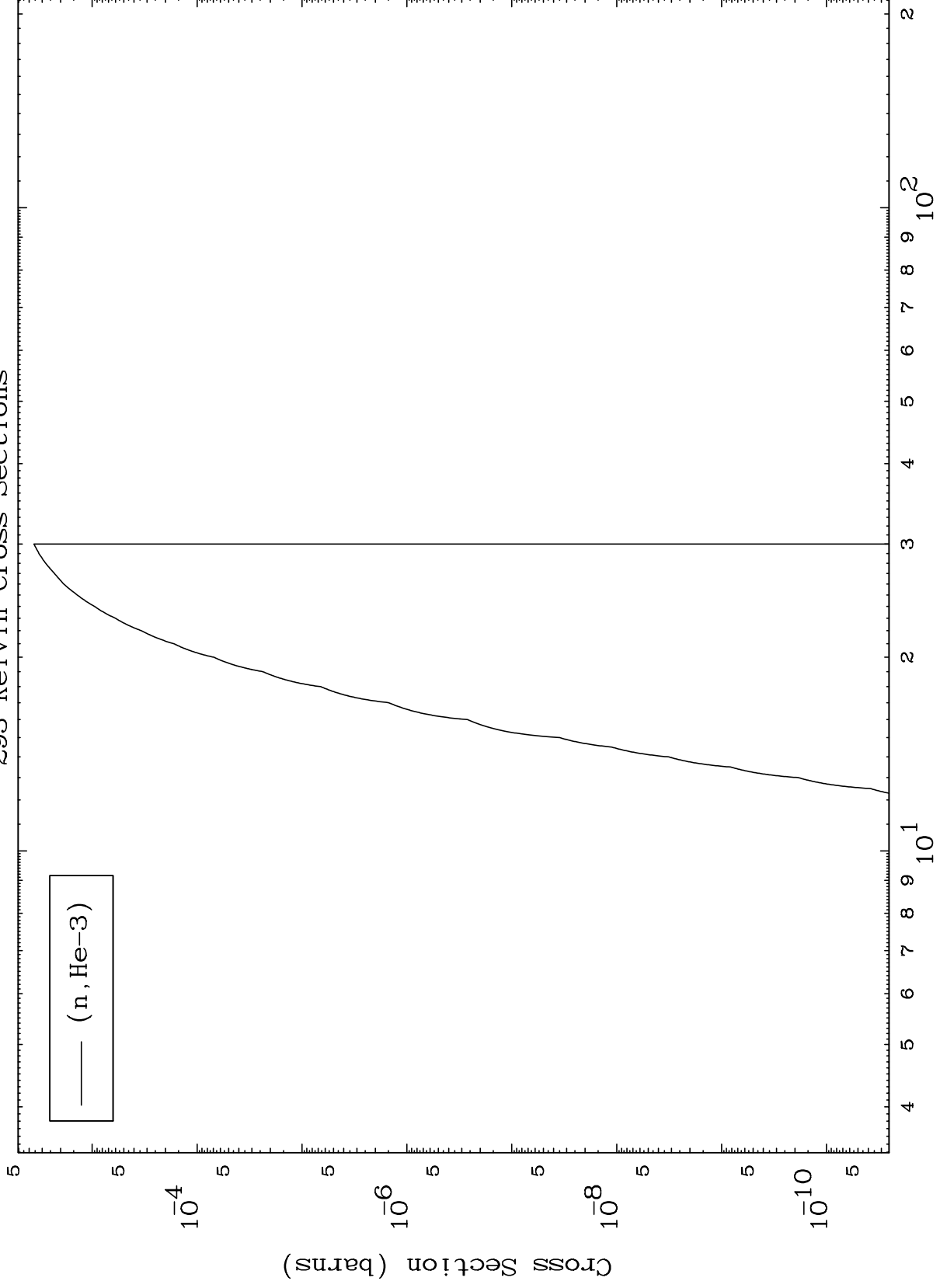
Incident Energy (MeV)

54-Xe-123

MAT 5422

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-123



13

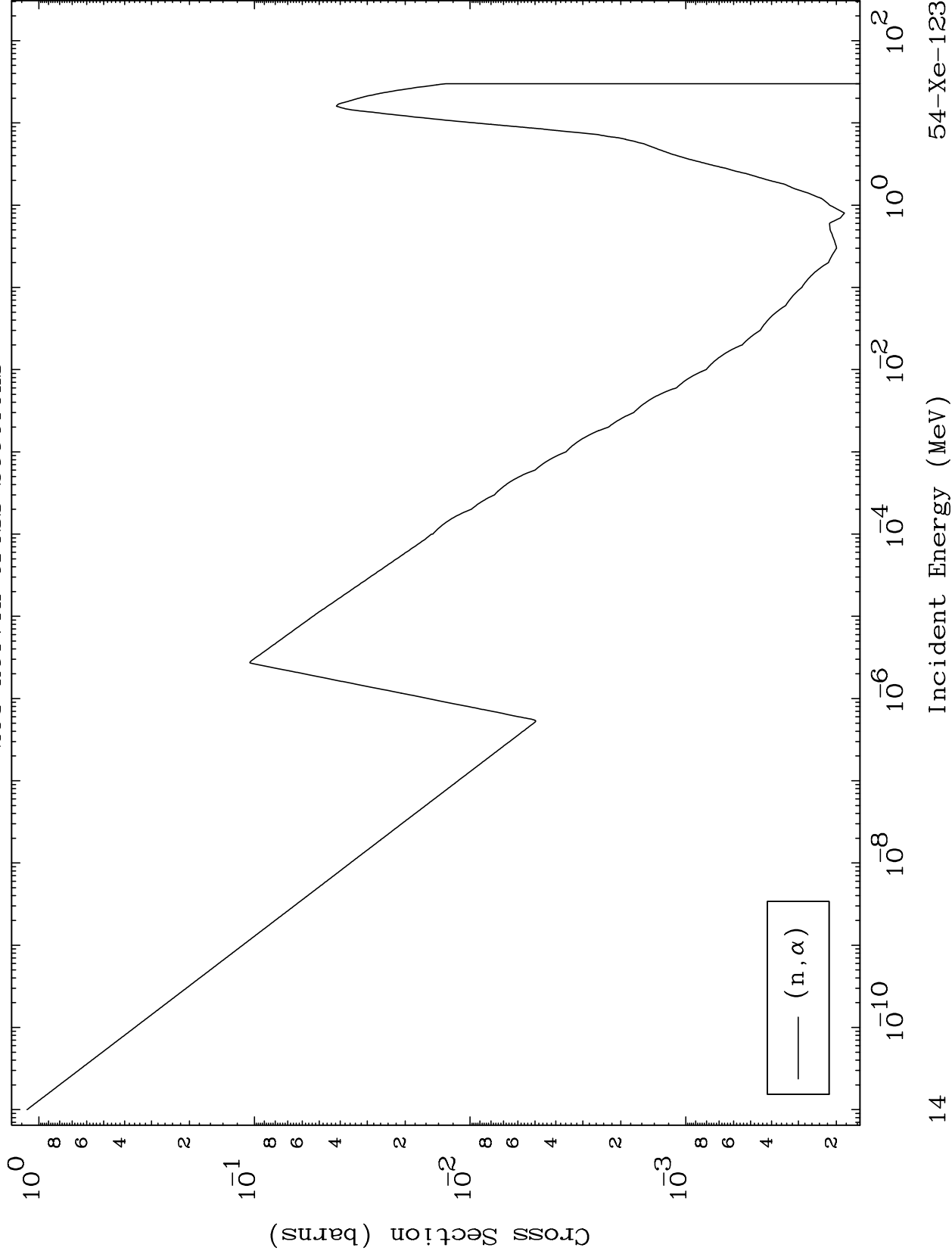
Incident Energy (MeV)

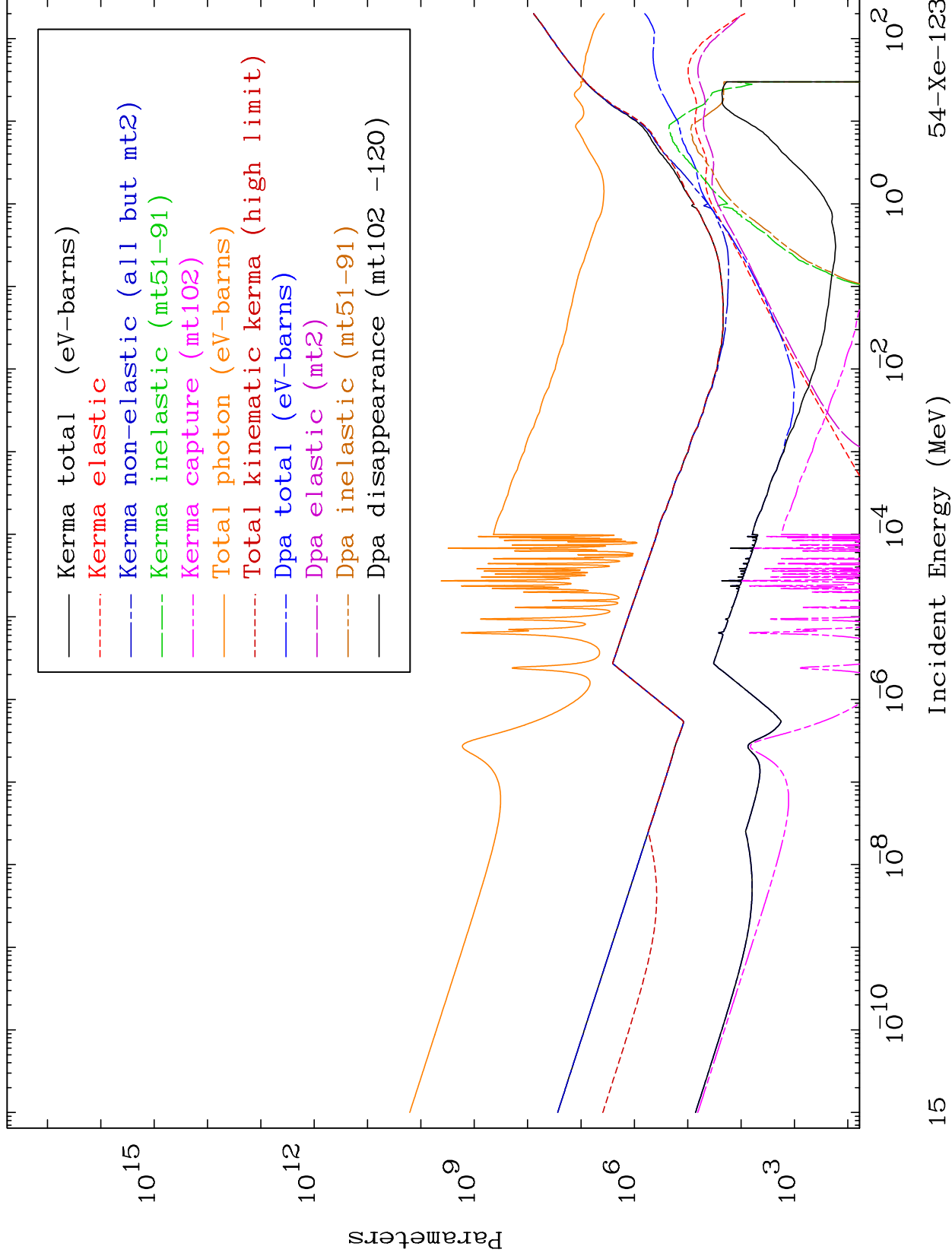
54-Xe-123

MAT 5422

(n,α) Levels
293 Kelvin Cross Sections

54-Xe-123

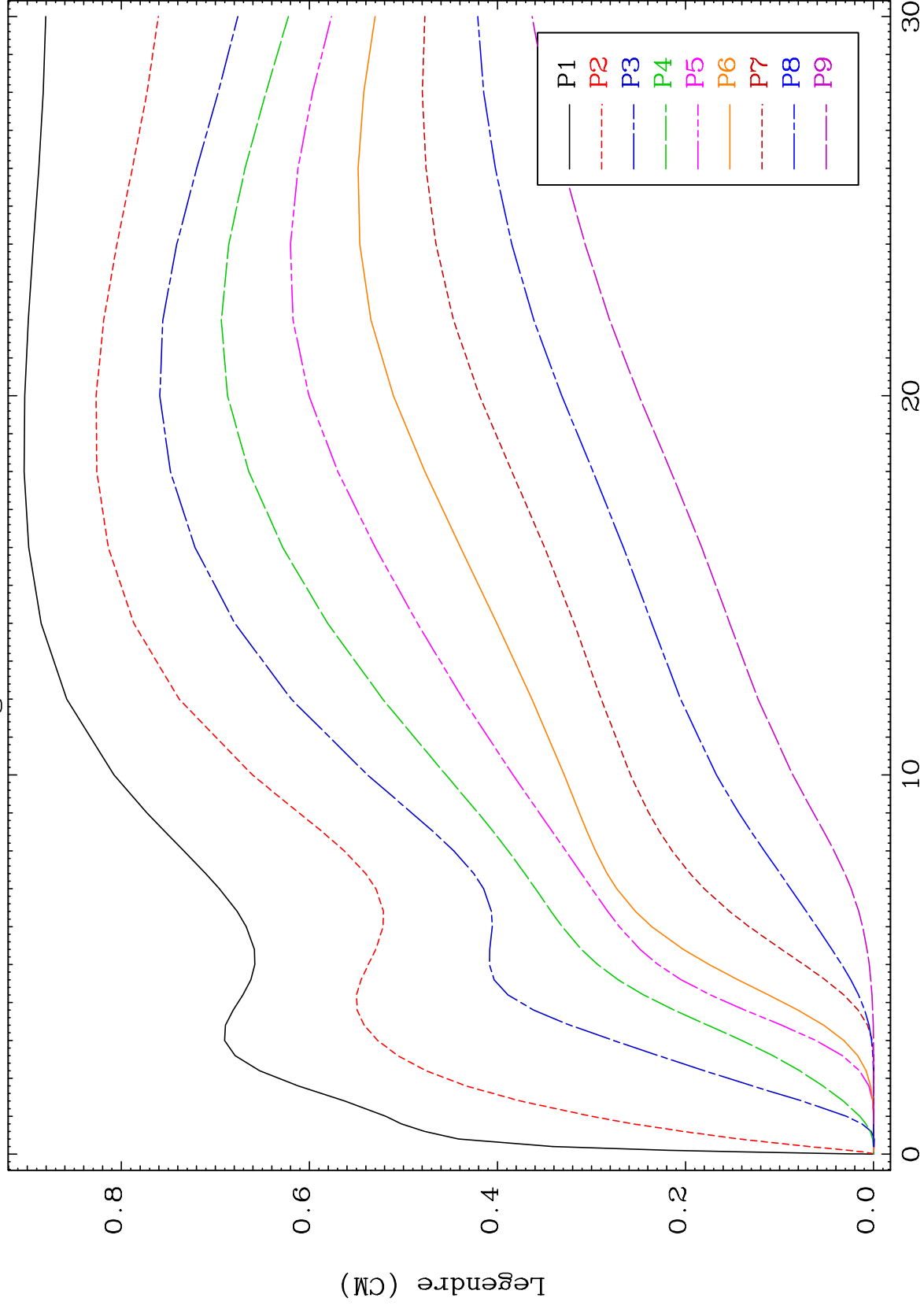




MAT 5422

Elastic Legendre Coefficients

54-Xe-123



16

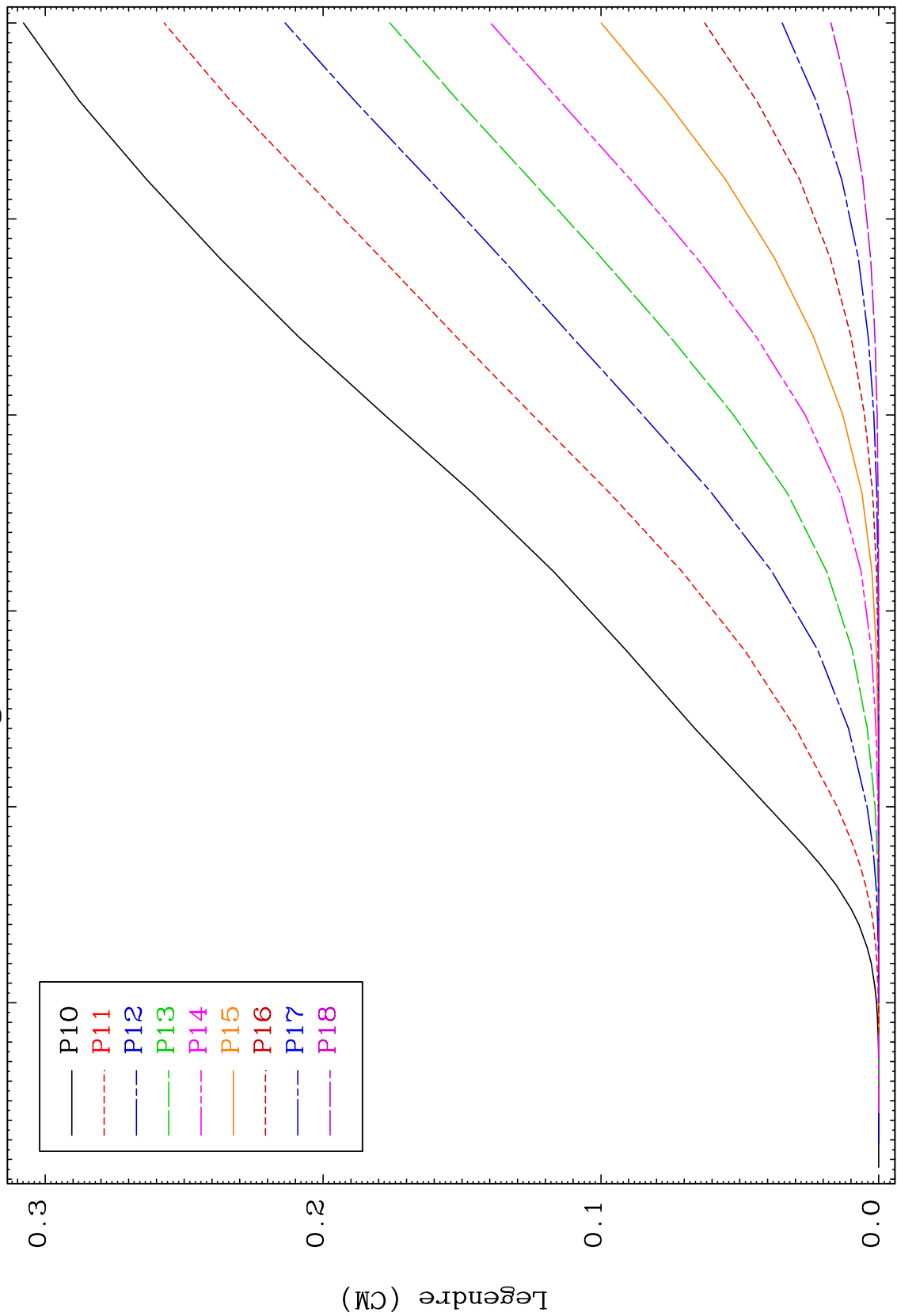
Incident Energy (MeV)

54-Xe-123

MAT 5422

Elastic Legendre Coefficients

54-Xe-123



17

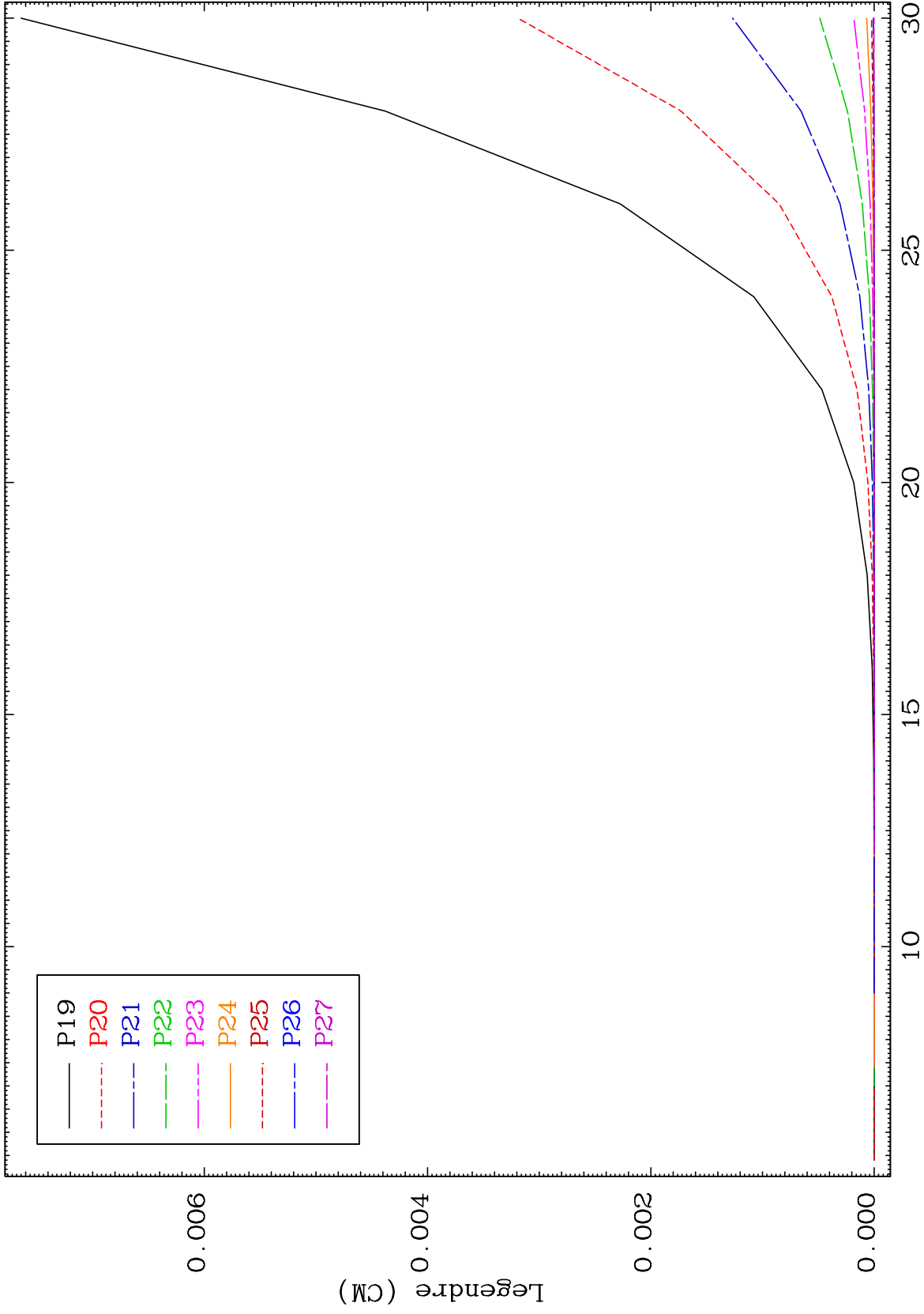
54-Xe-123

Incident Energy (MeV)

MAT 5422

Elastic Legendre Coefficients

54-Xe-123



18

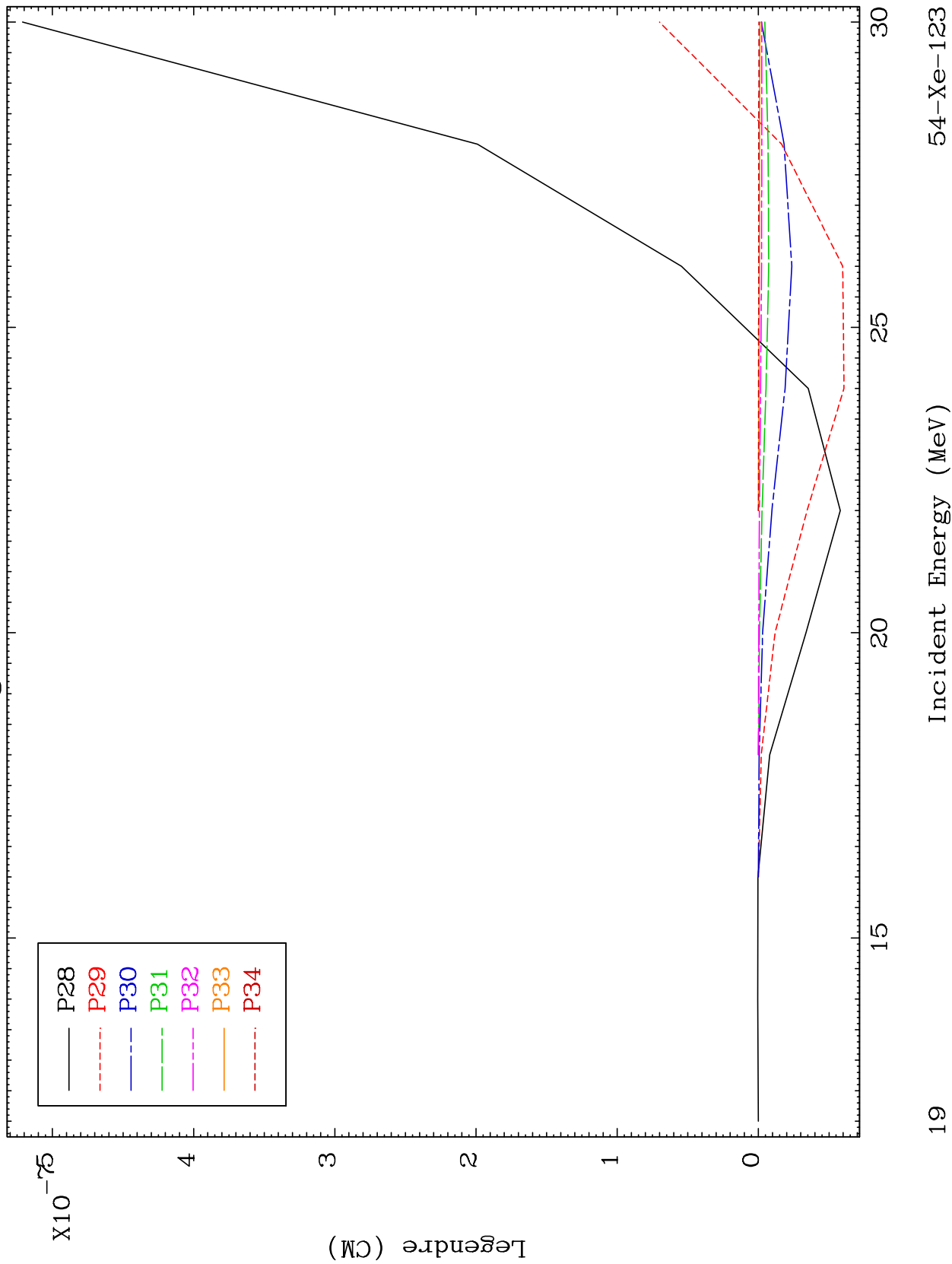
Incident Energy (MeV)

54-Xe-123

MAT 5422

Elastic Legendre Coefficients

54-Xe-123



19

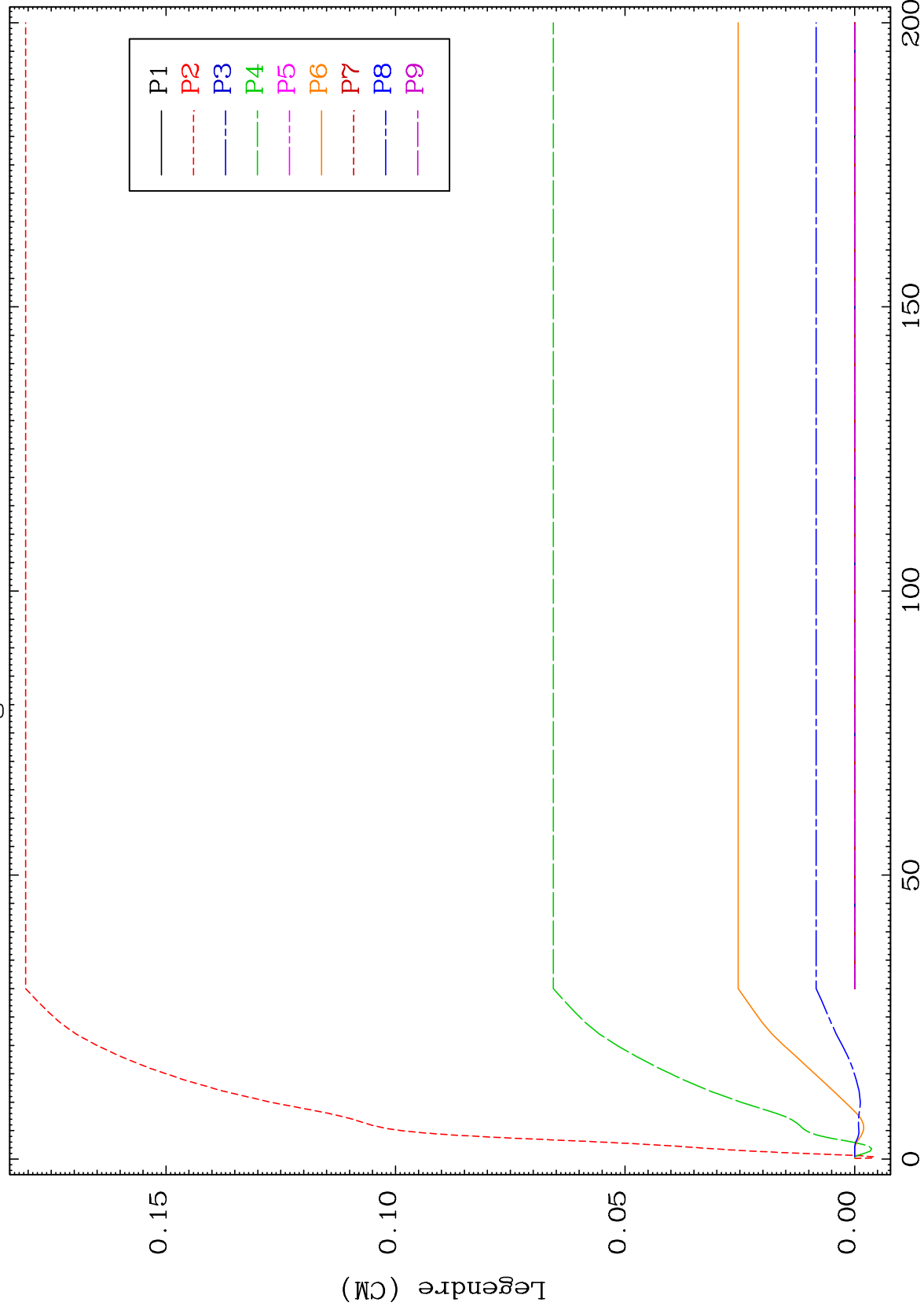
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

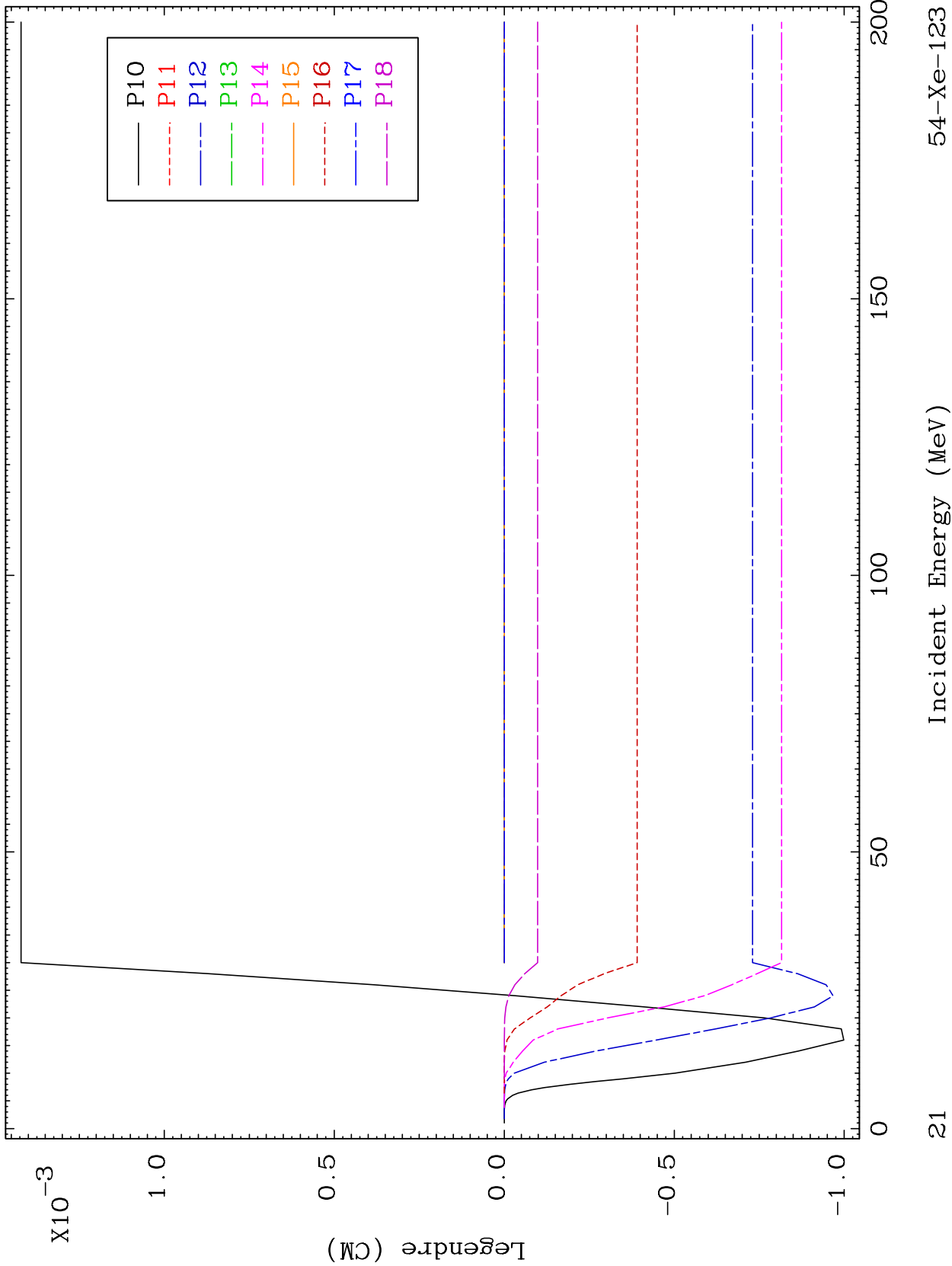
54-Xe-123



54-Xe-123

Incident Energy (MeV)

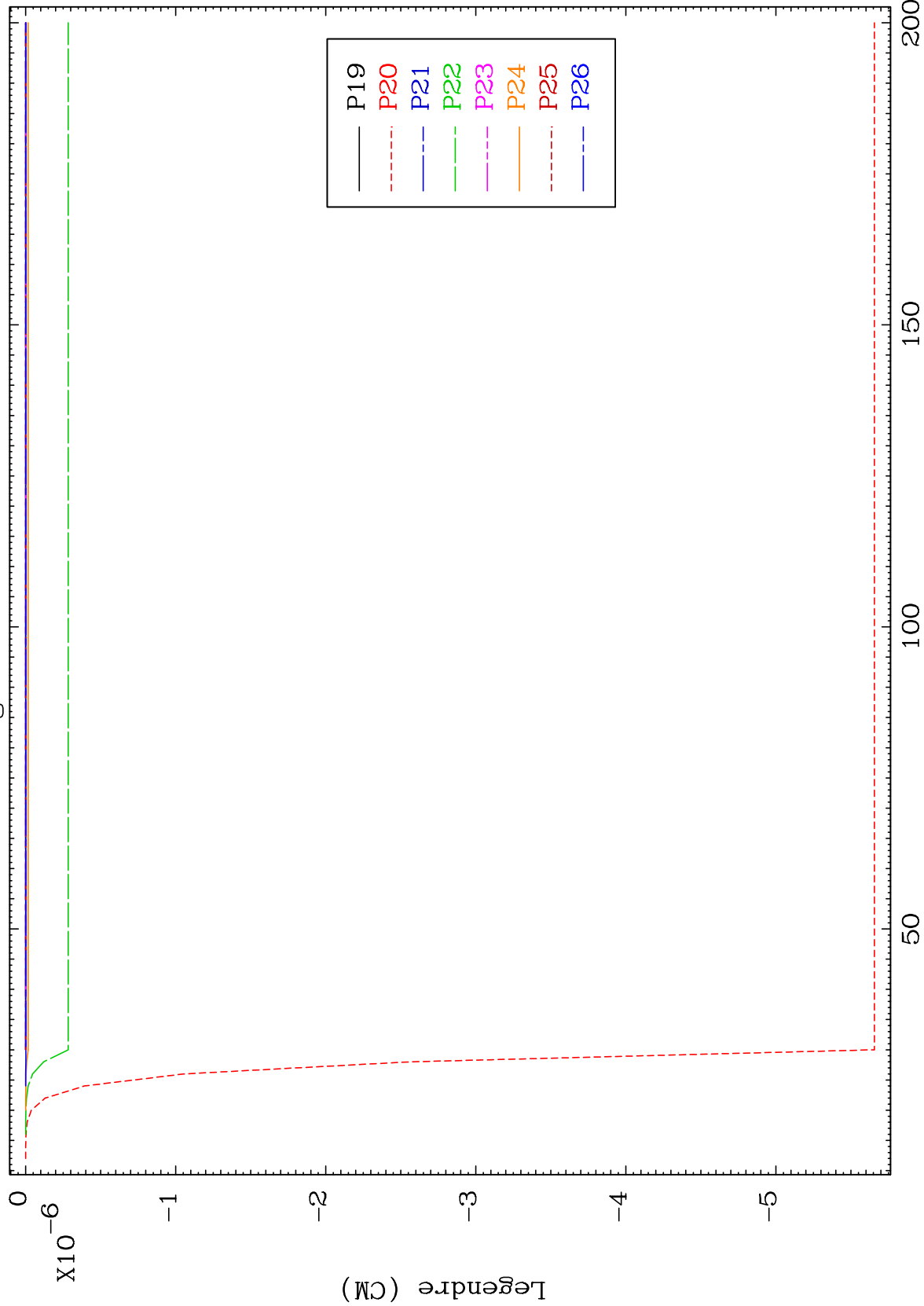
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MAT 5422

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

54-Xe-123



22

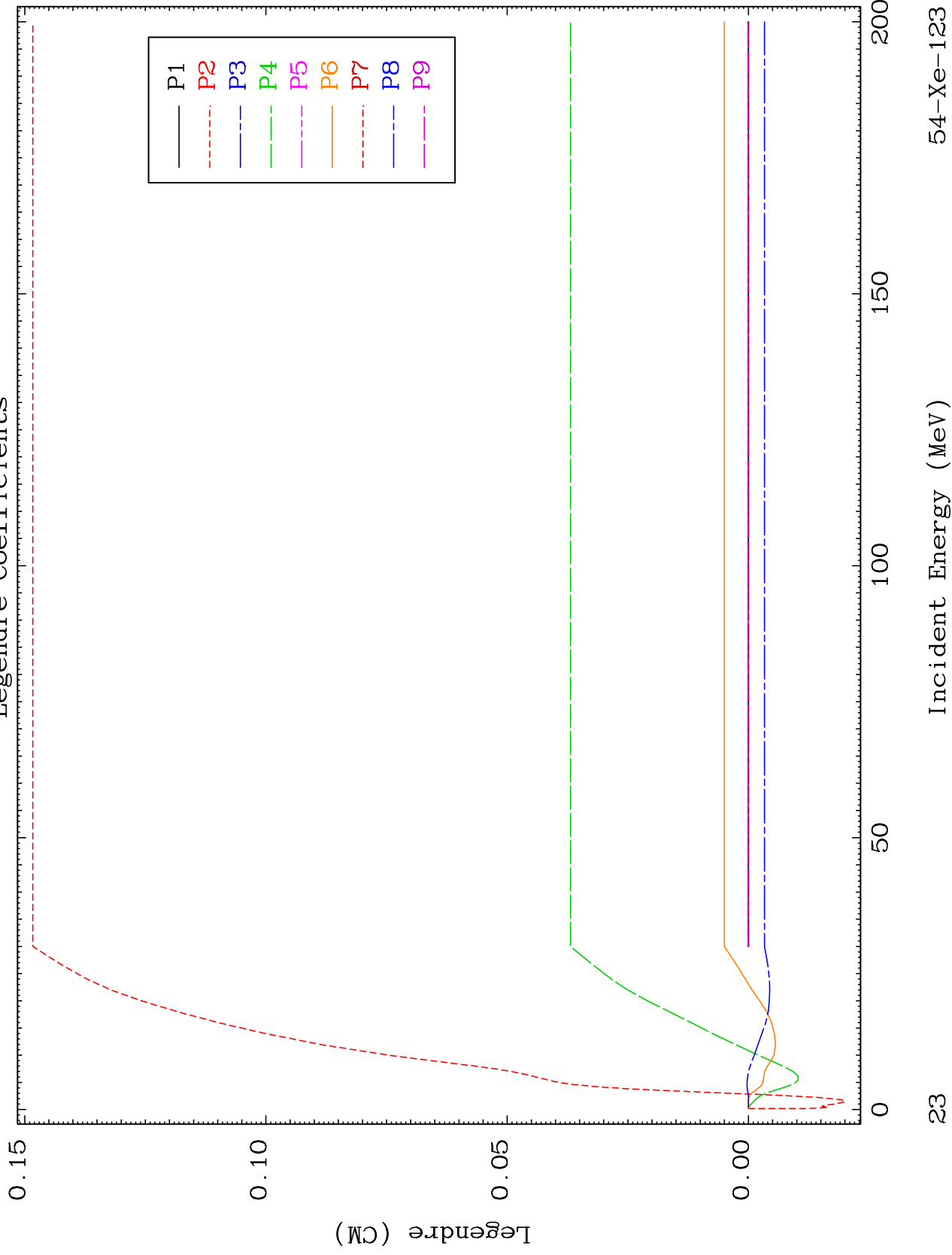
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

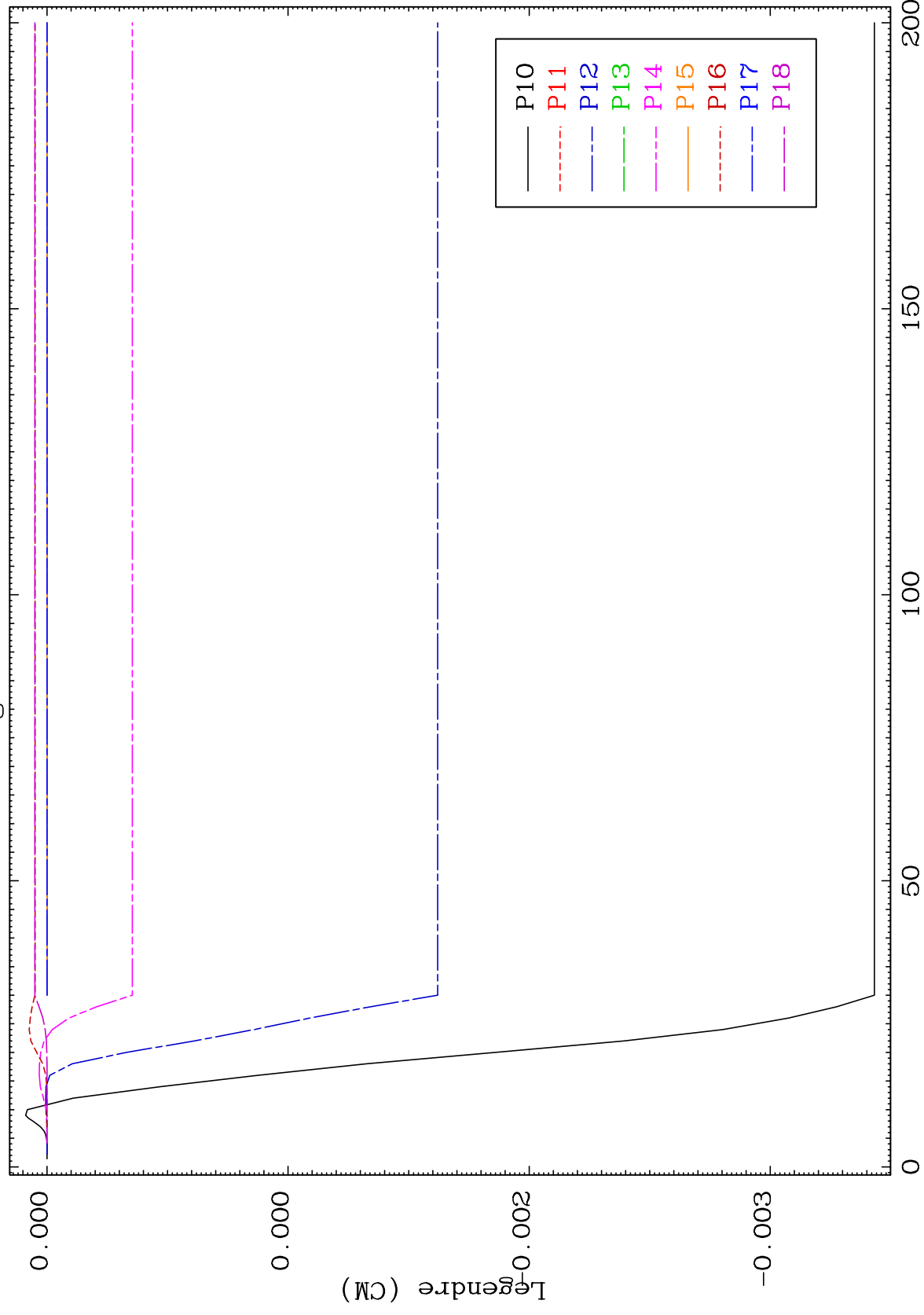
Incident Energy (MeV)

23

MAT 5422

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

54-Xe-123



24

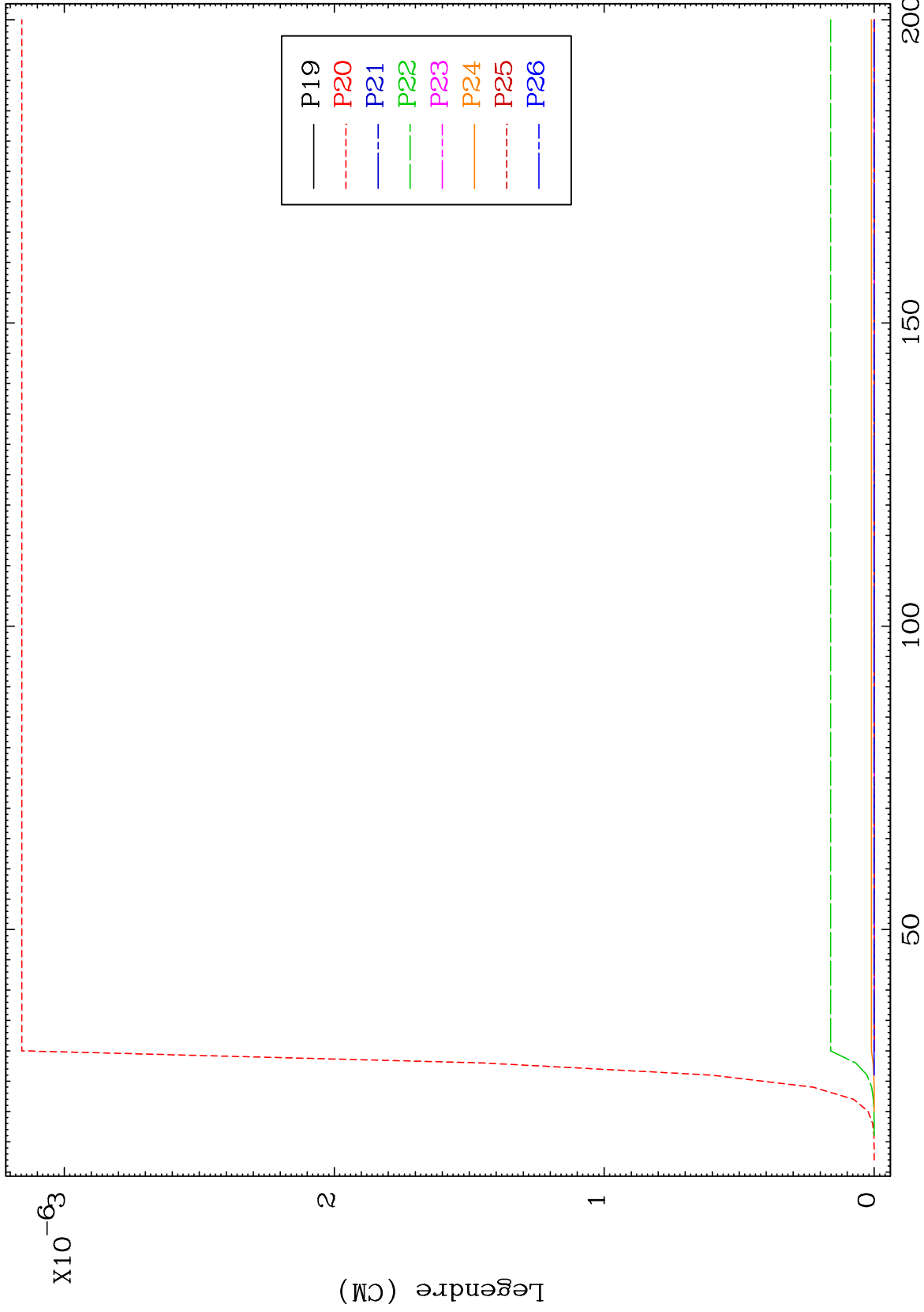
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



25

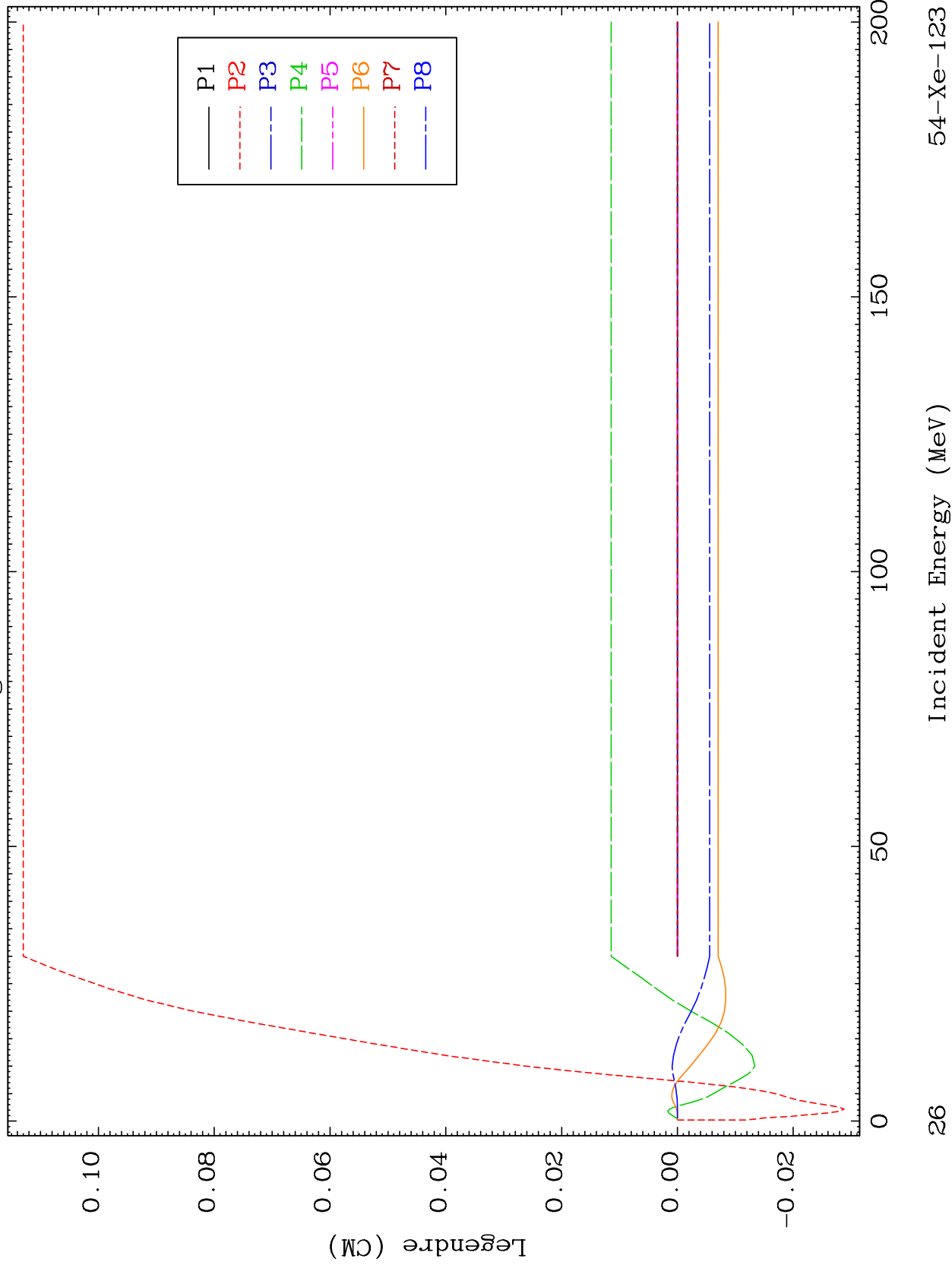
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

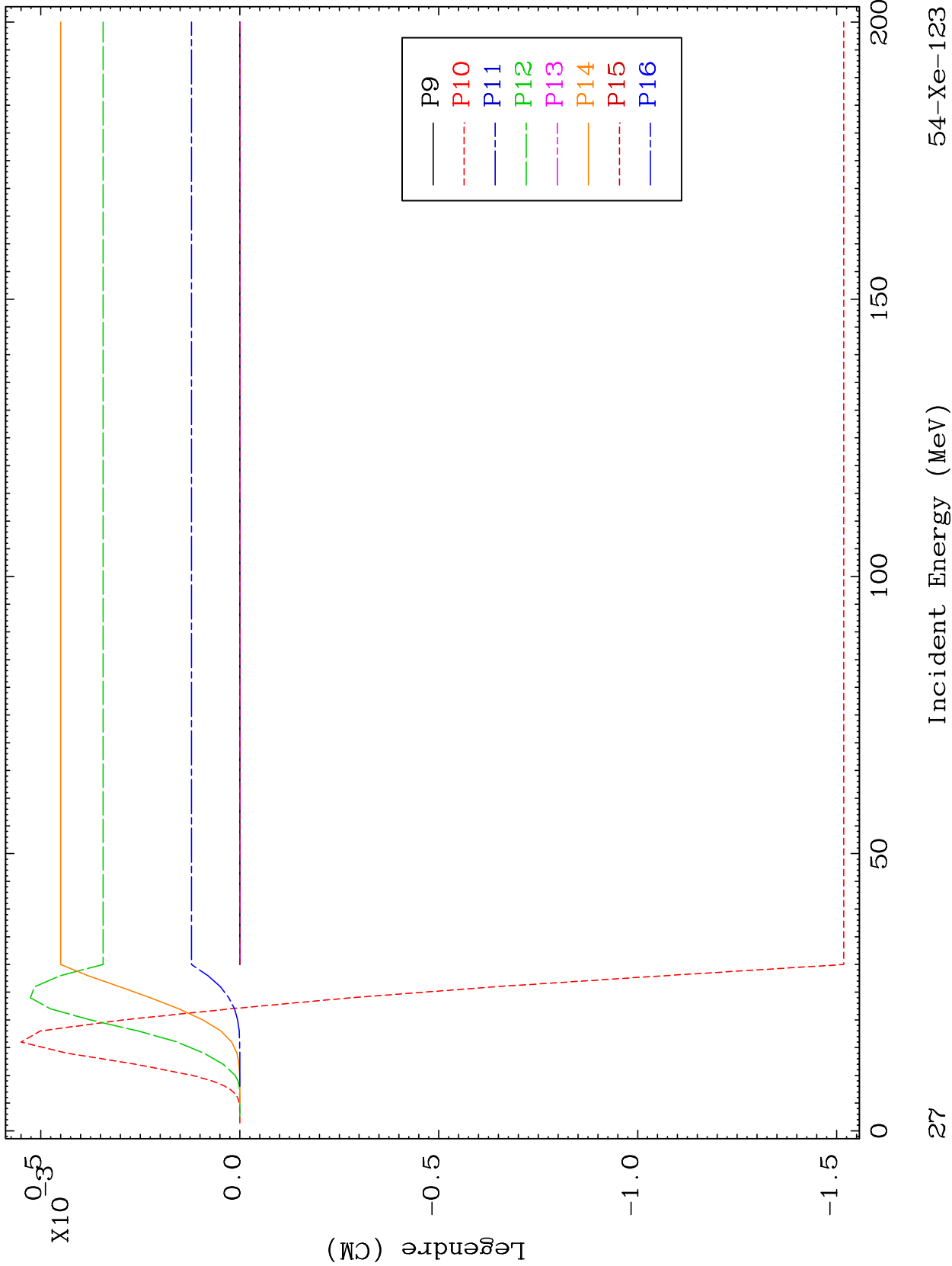
Incident Energy (MeV)

26

MAT 5422

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

54-Xe-123



27

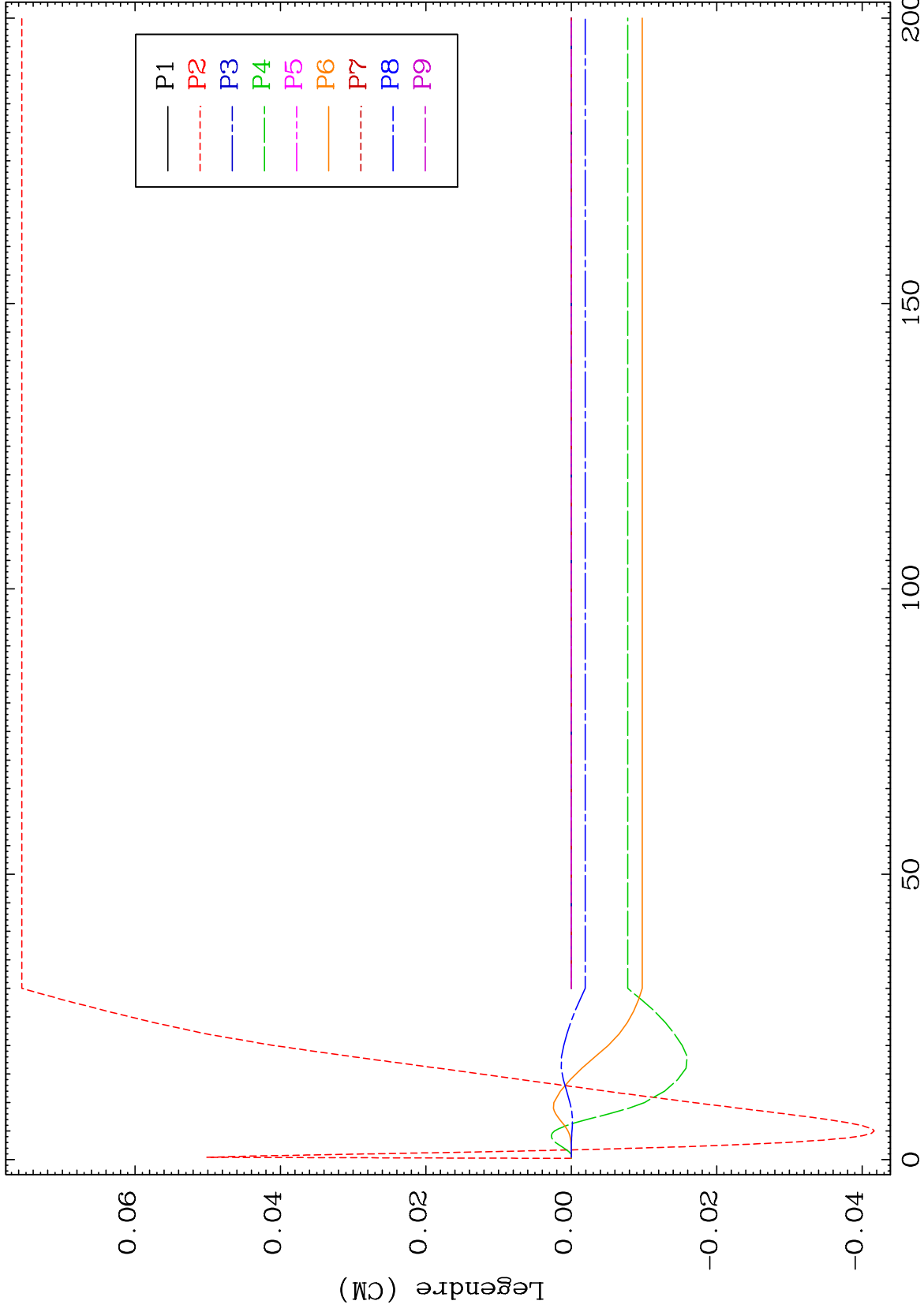
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



29

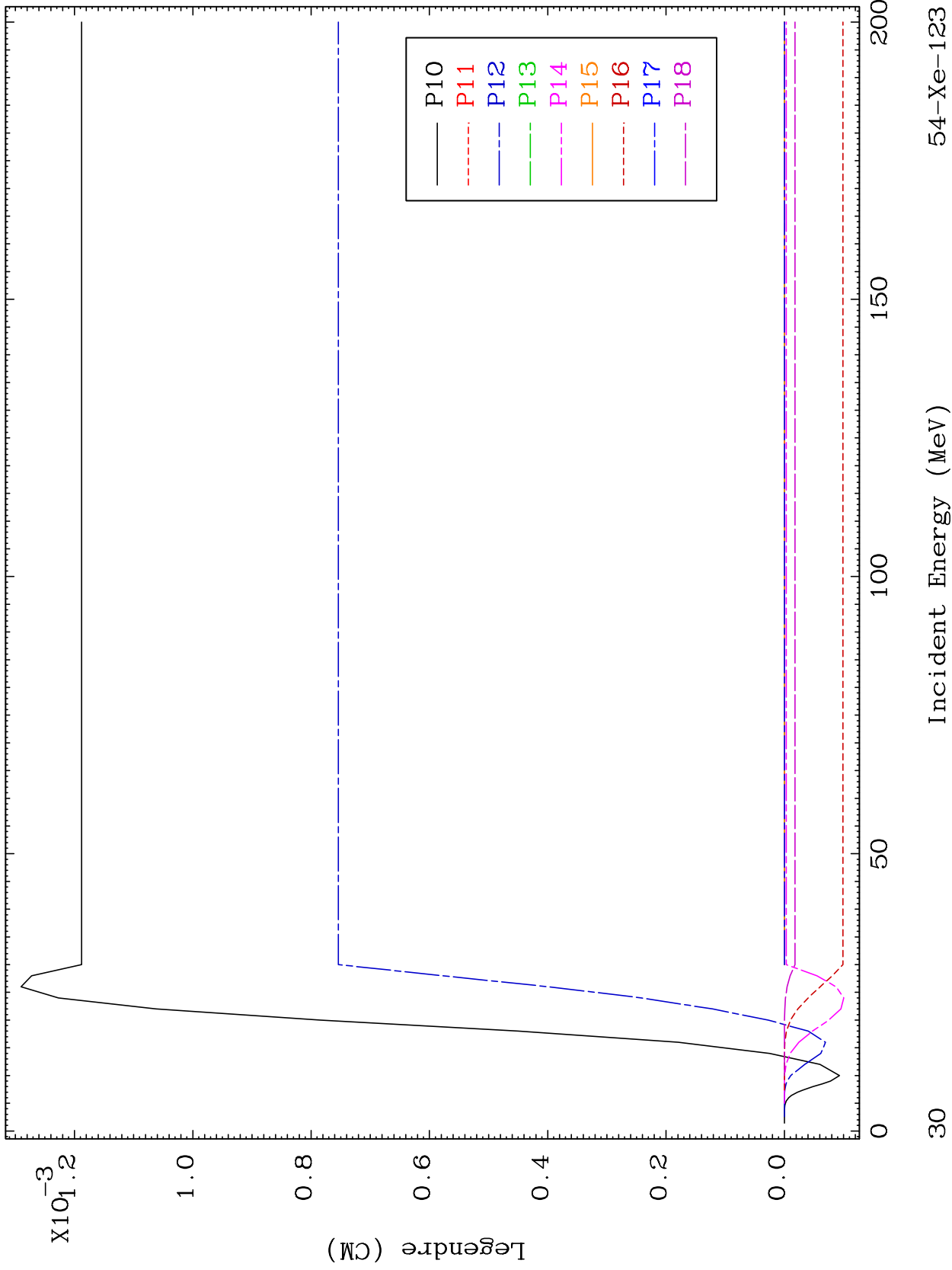
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

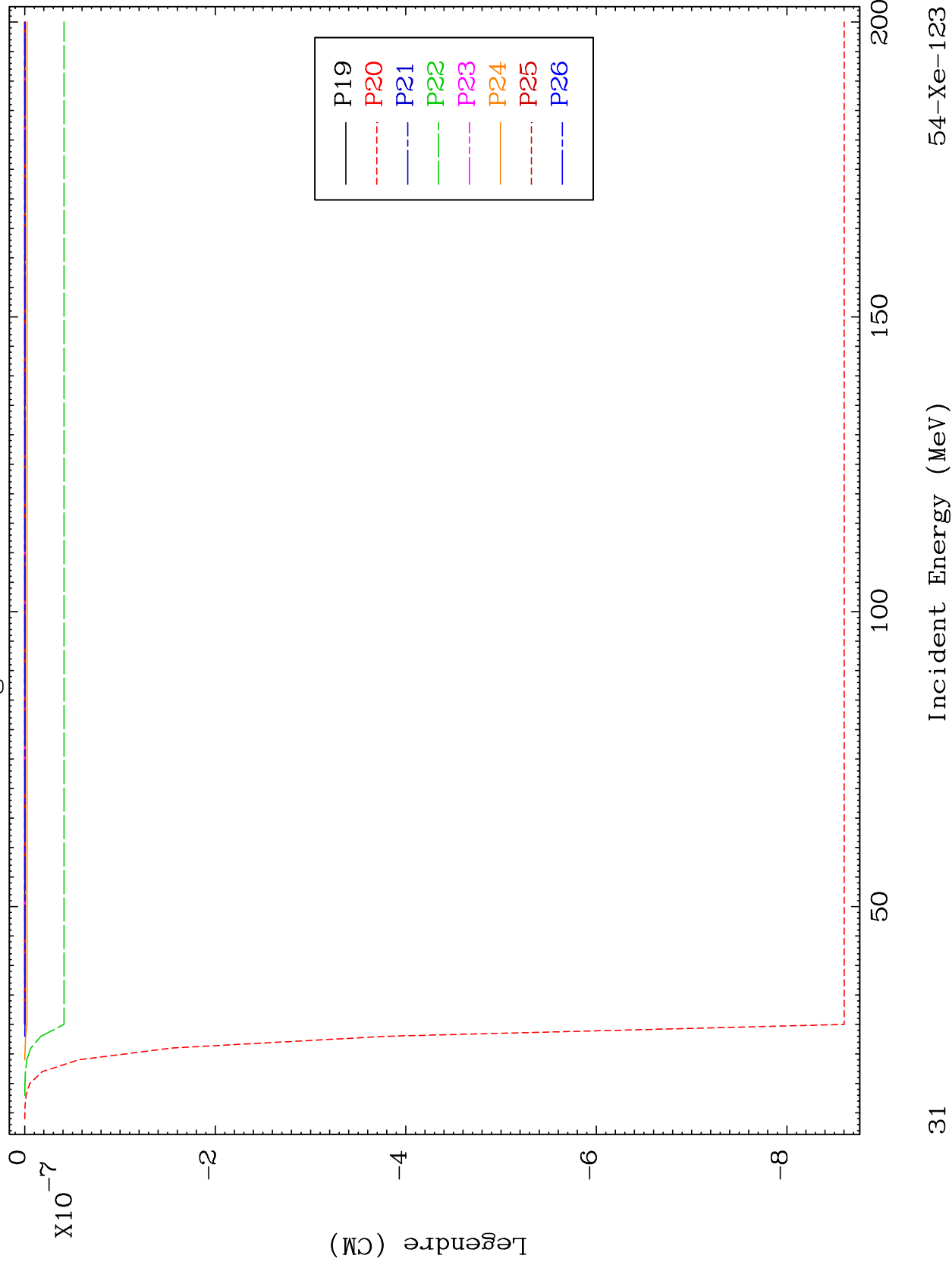
54-Xe-123



MAT 5422

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

54-Xe-123



31

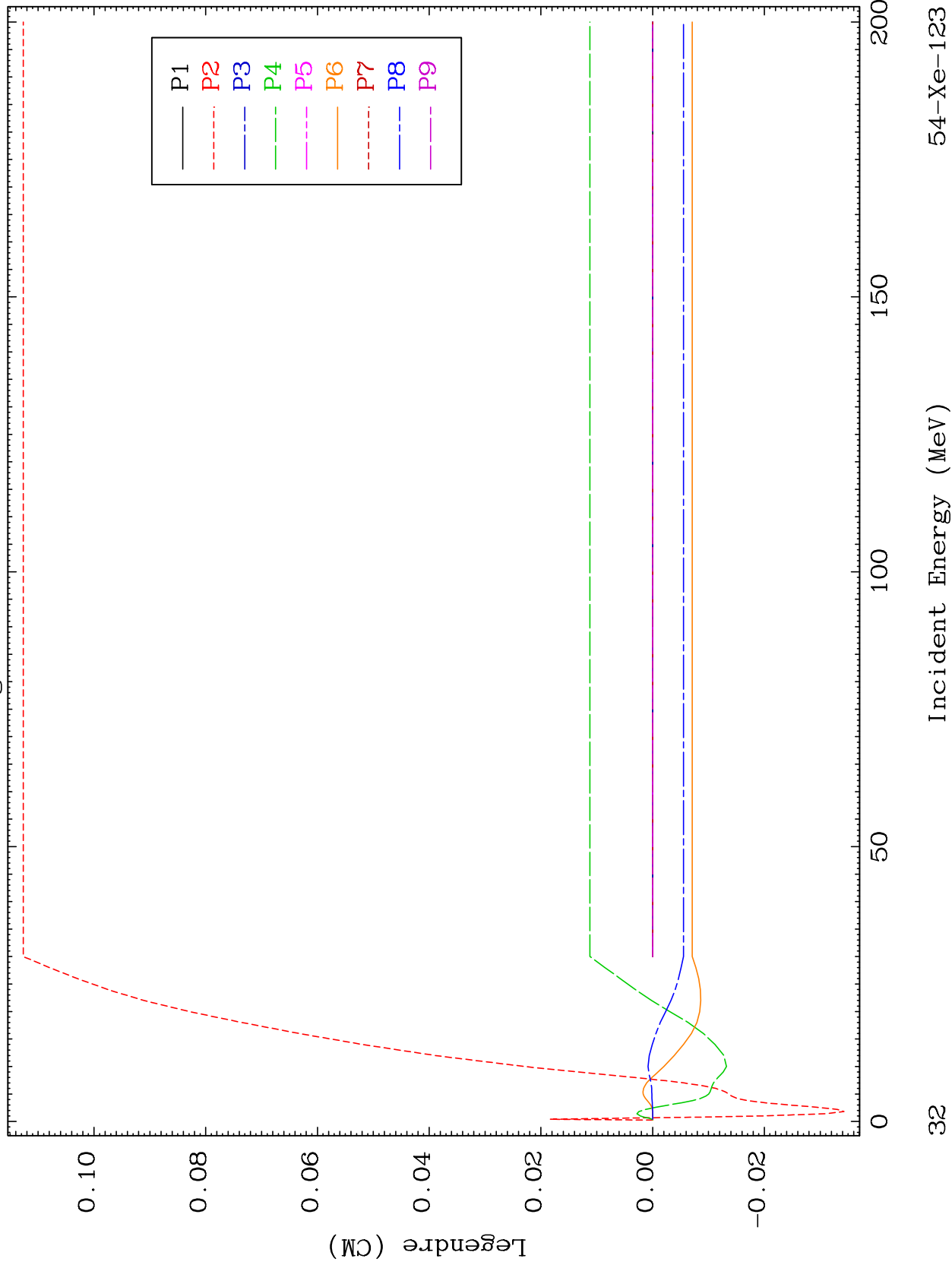
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

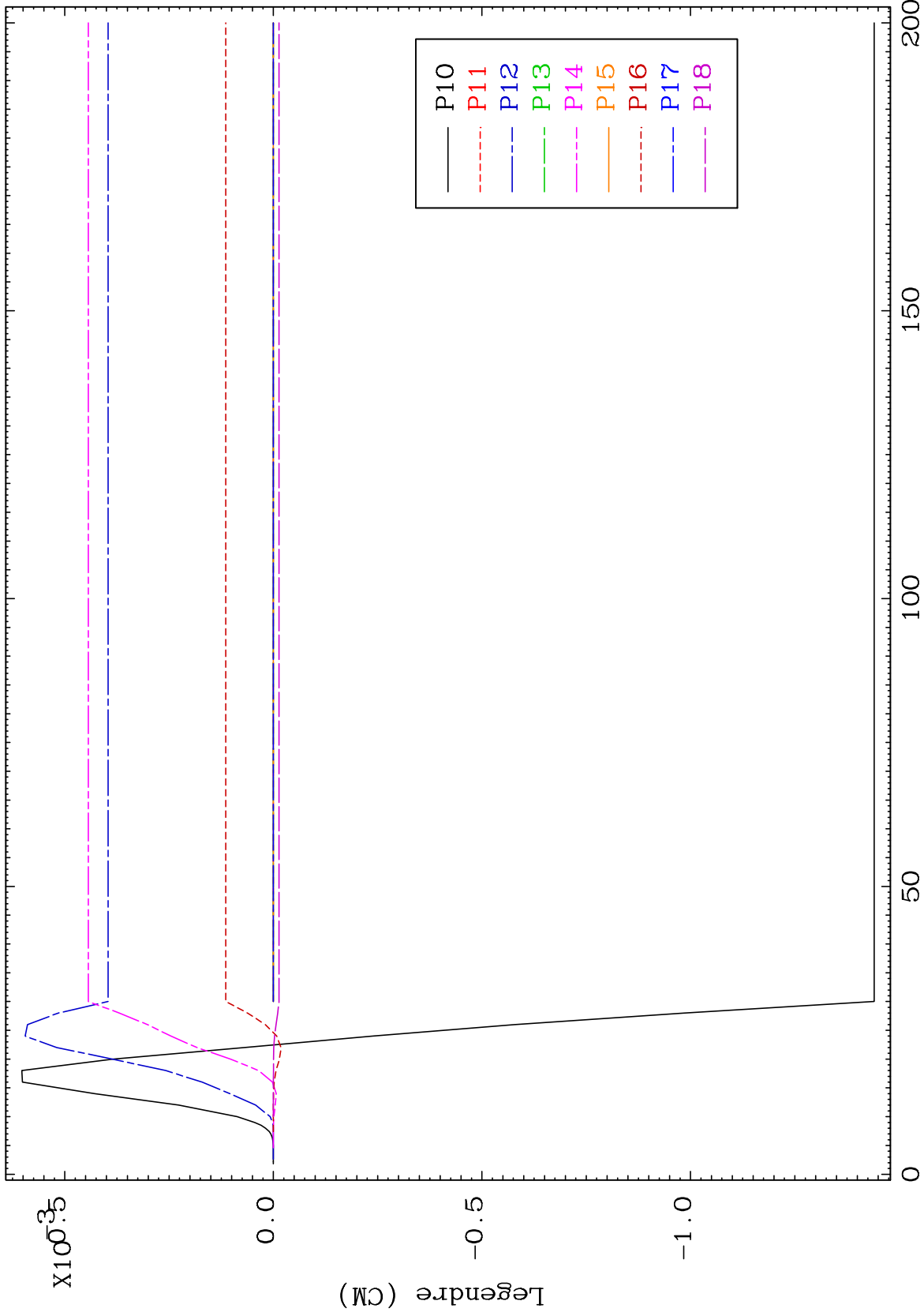
Incident Energy (MeV)

32

MAT 5422

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

54-Xe-123



33

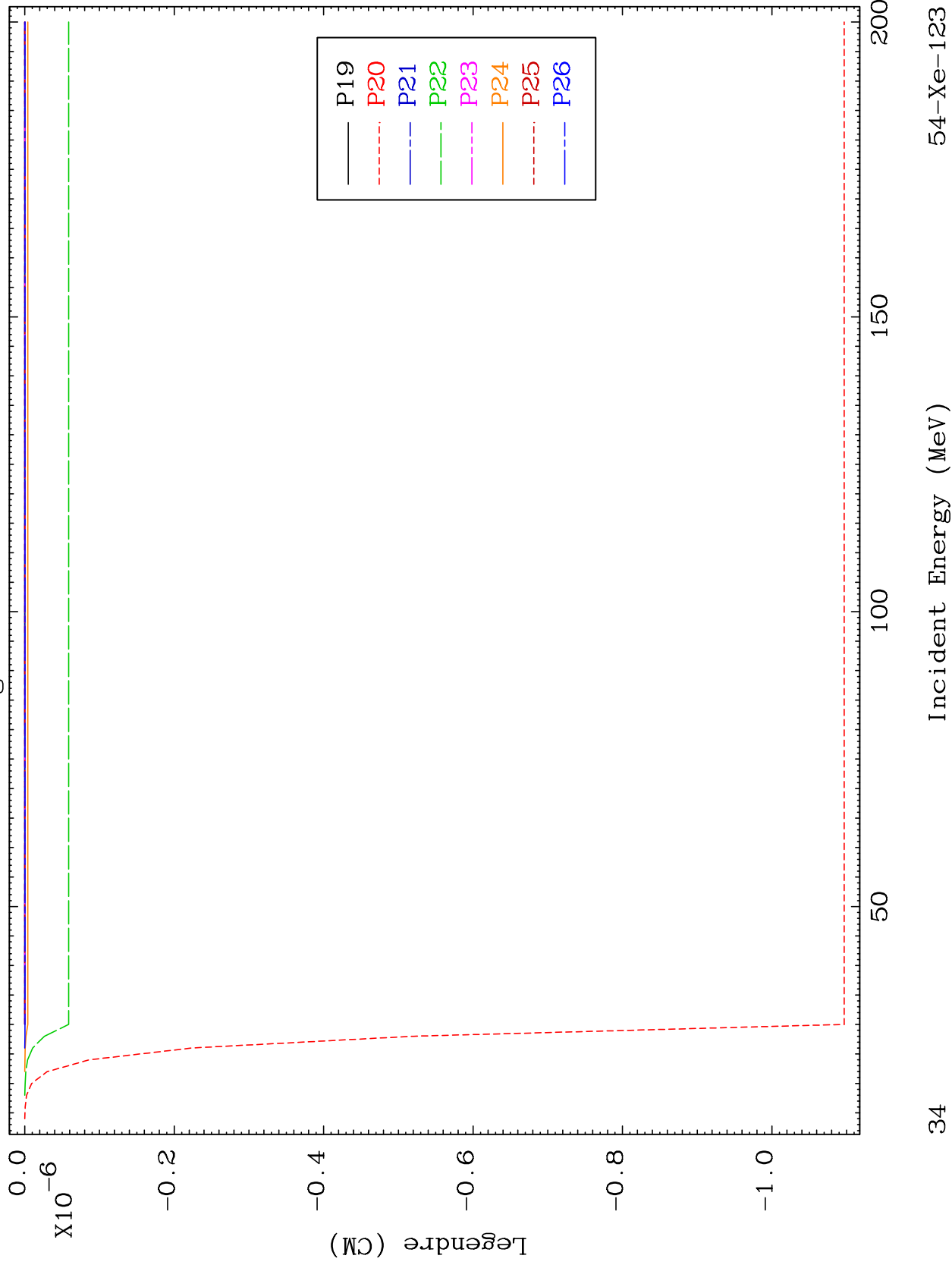
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



34

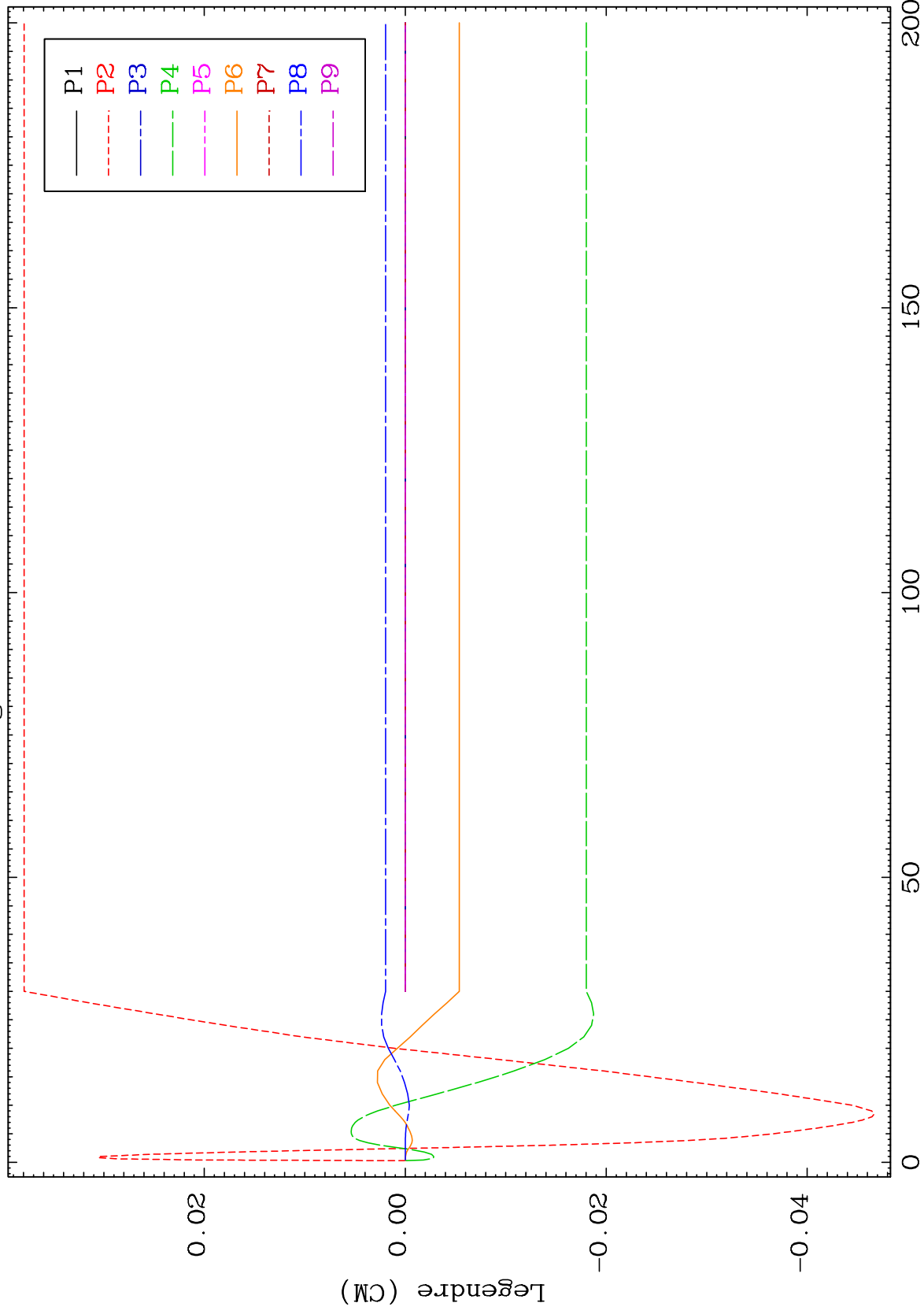
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

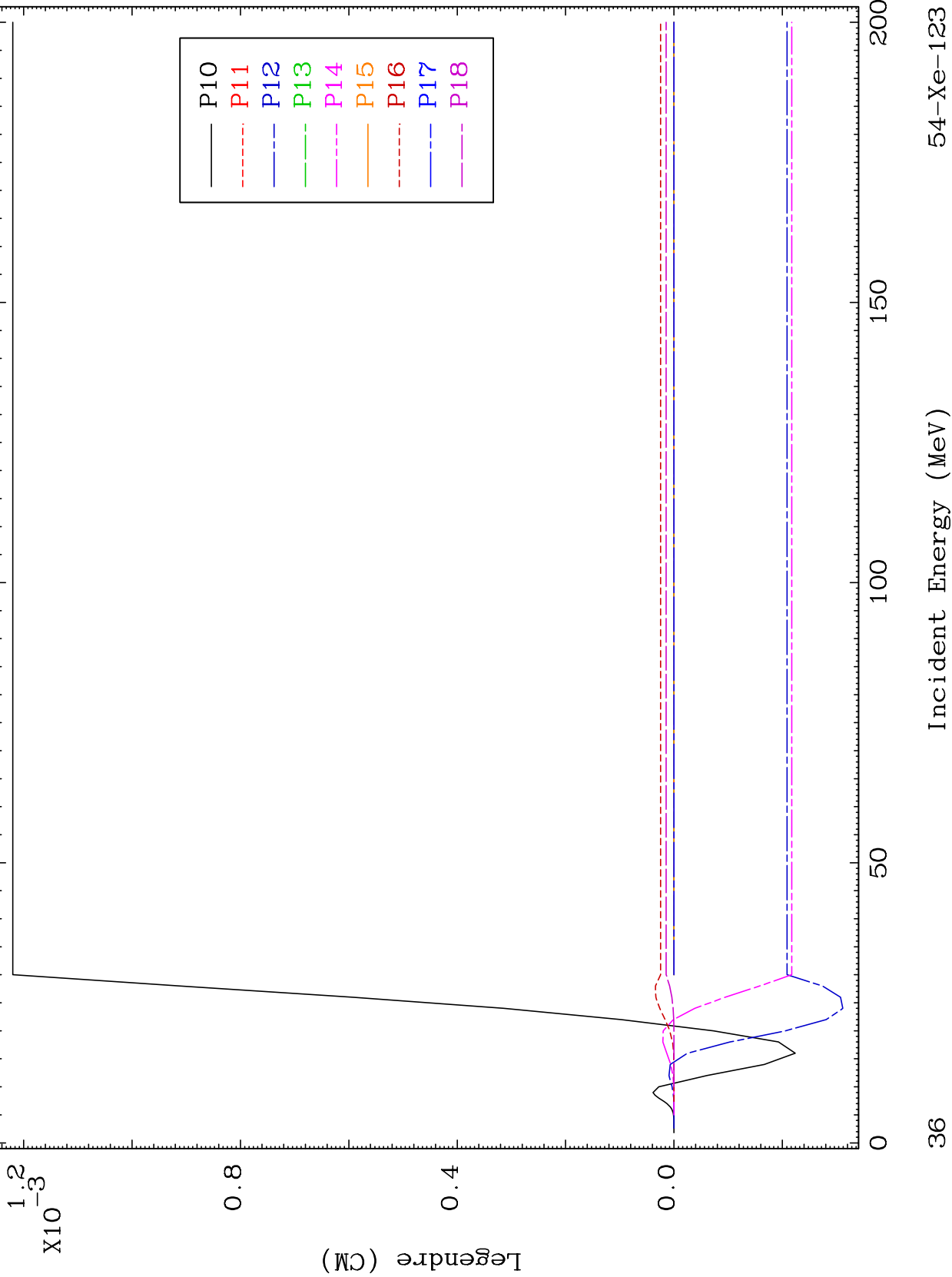
Incident Energy (MeV)

35

MAT 5422

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

54-Xe-123



54-Xe-123

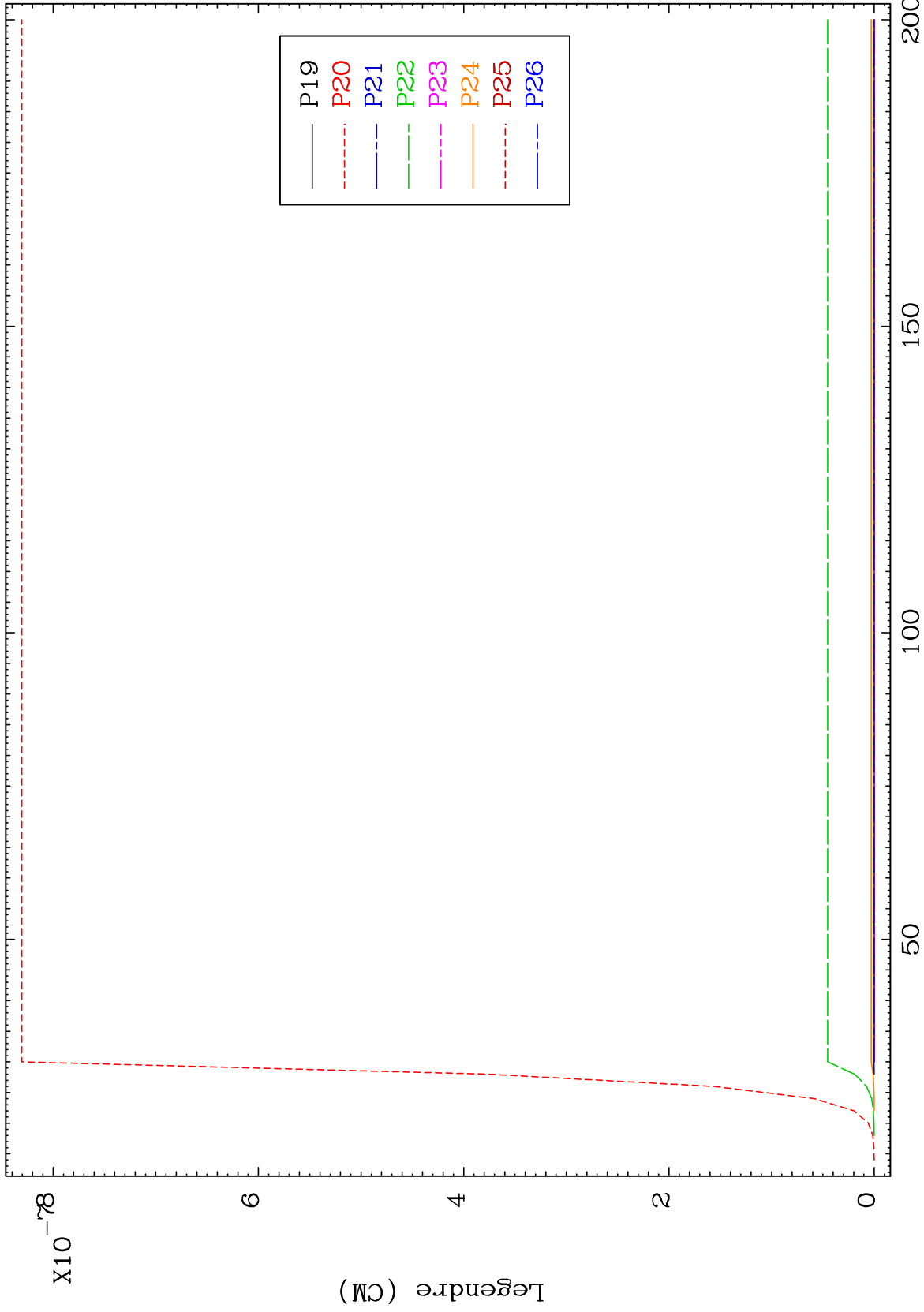
Incident Energy (MeV)

36

MAT 5422

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

54-Xe-123



37

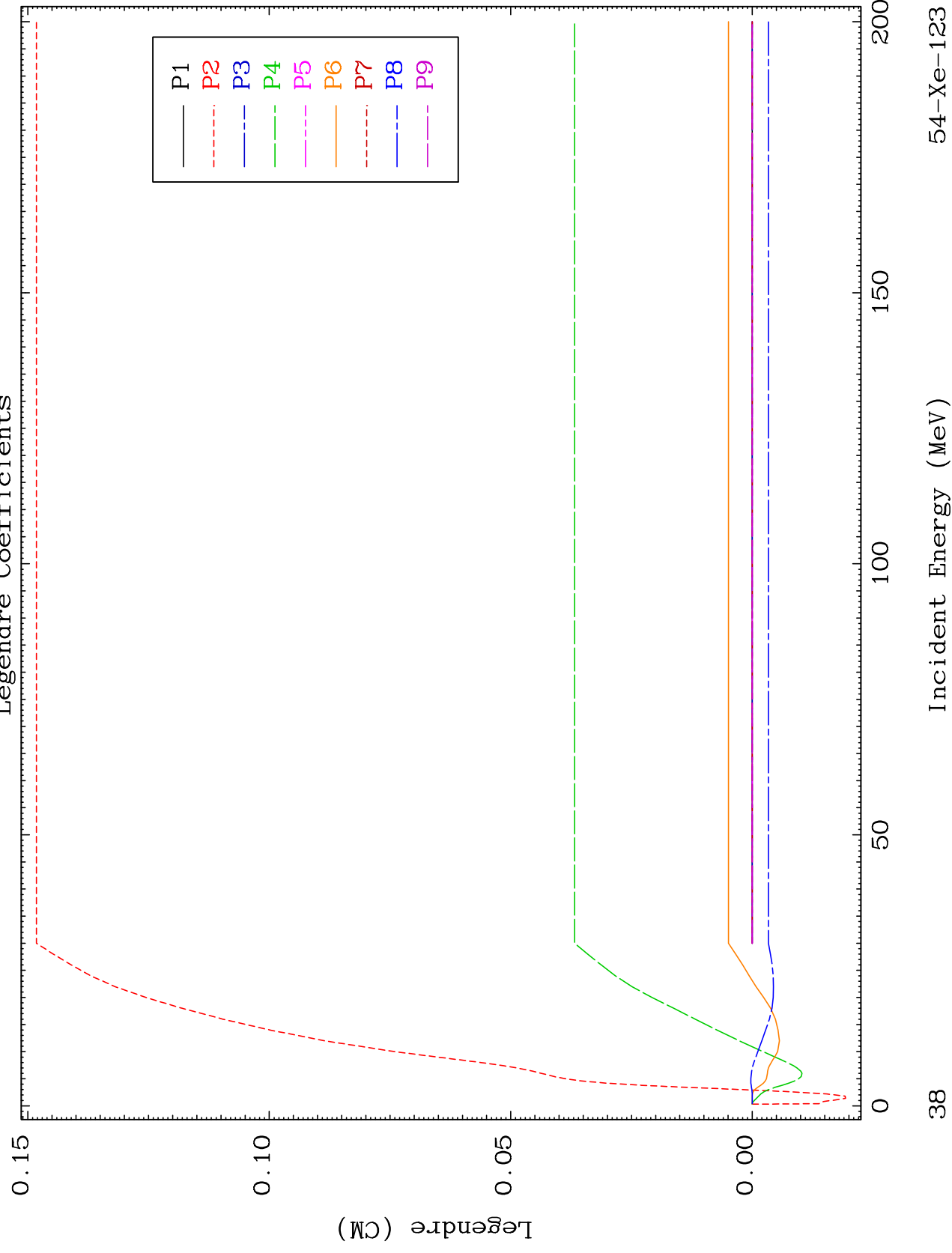
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

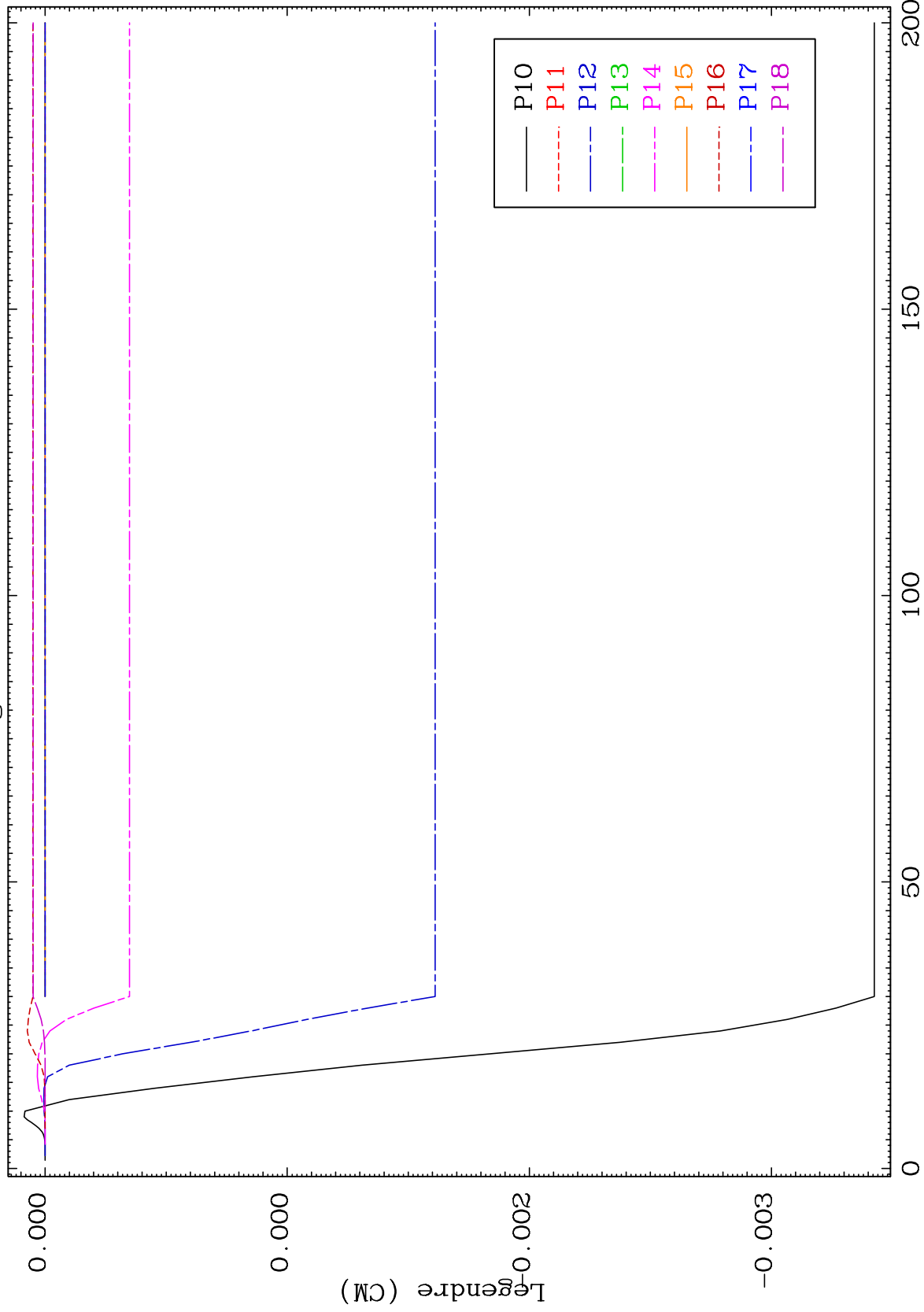
Incident Energy (MeV)

38

MAT 5422

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

54-Xe-123



39

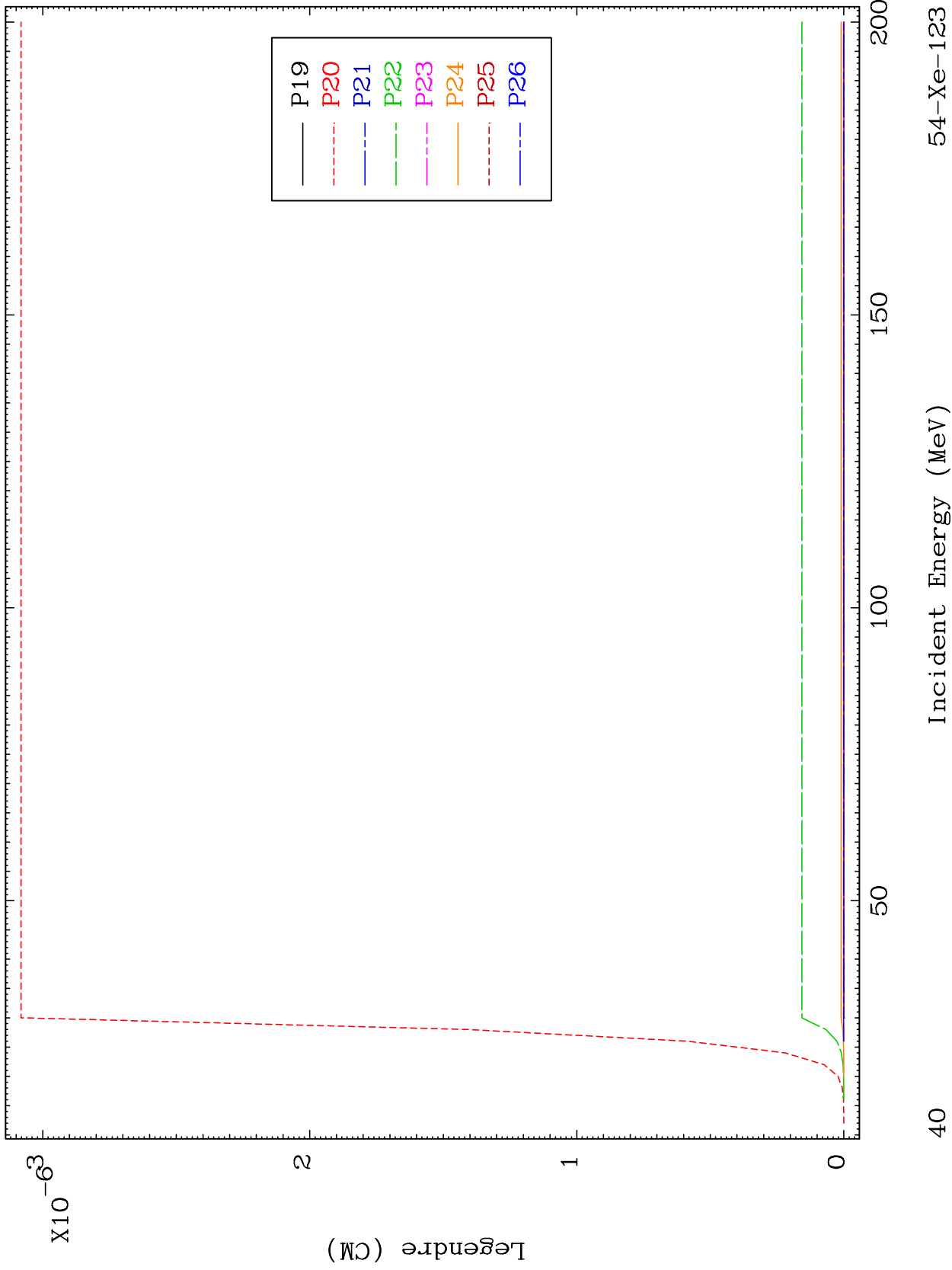
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

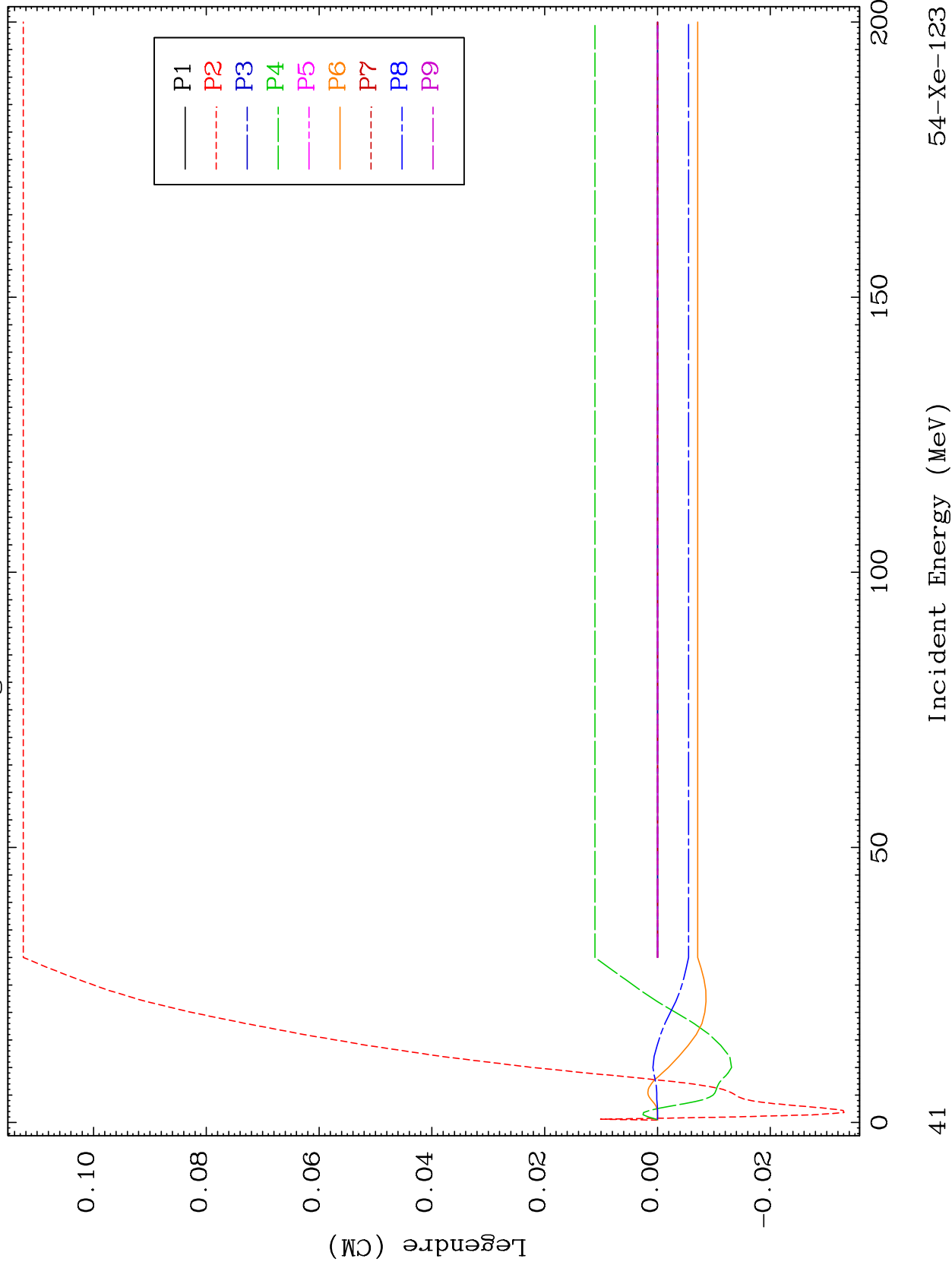
54-Xe-123



MAT 5422

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

54-Xe-123



54-Xe-123

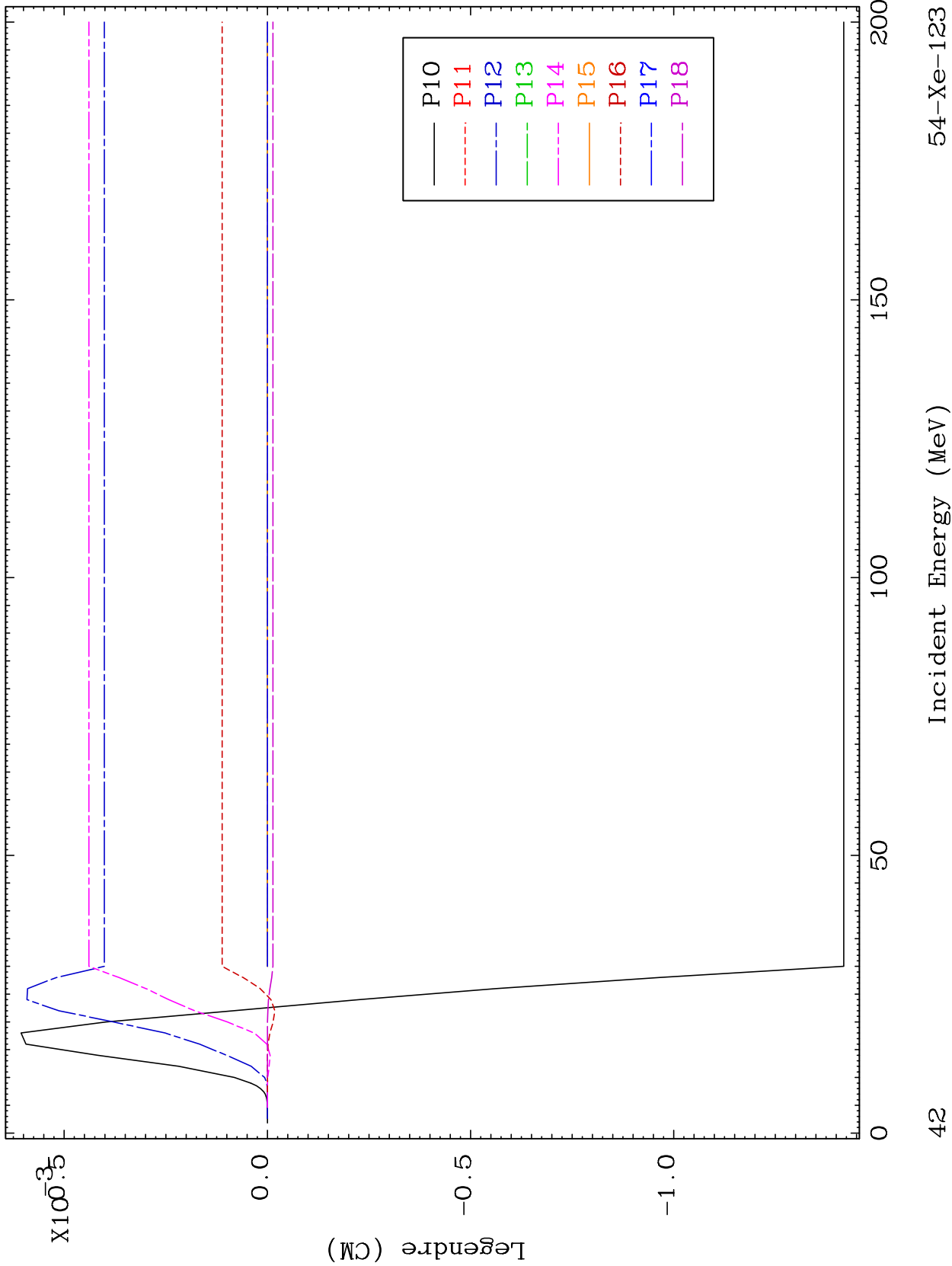
Incident Energy (MeV)

41

MAT 5422

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

54-Xe-123



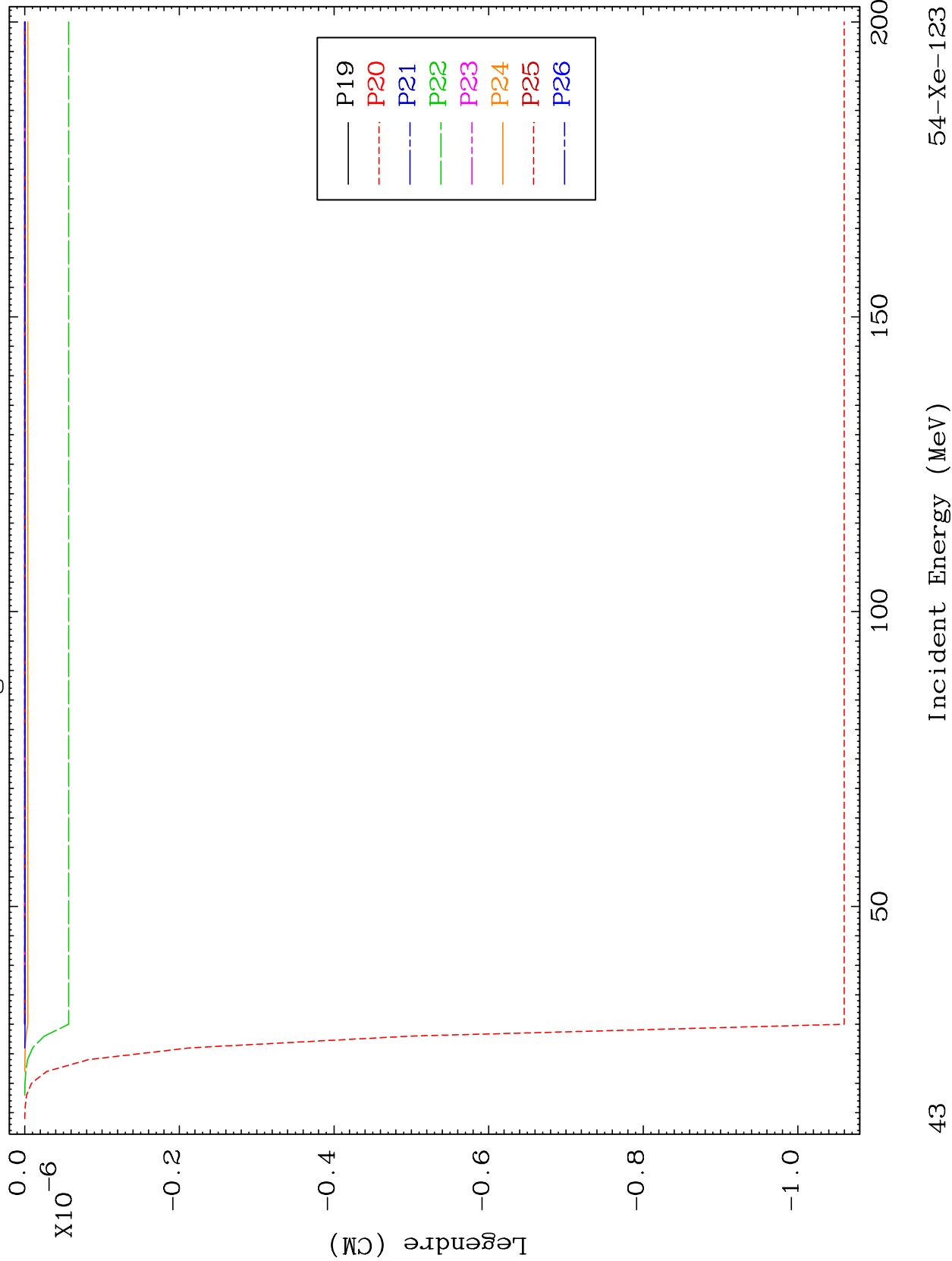
42

54-Xe-123

MAT 5422

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

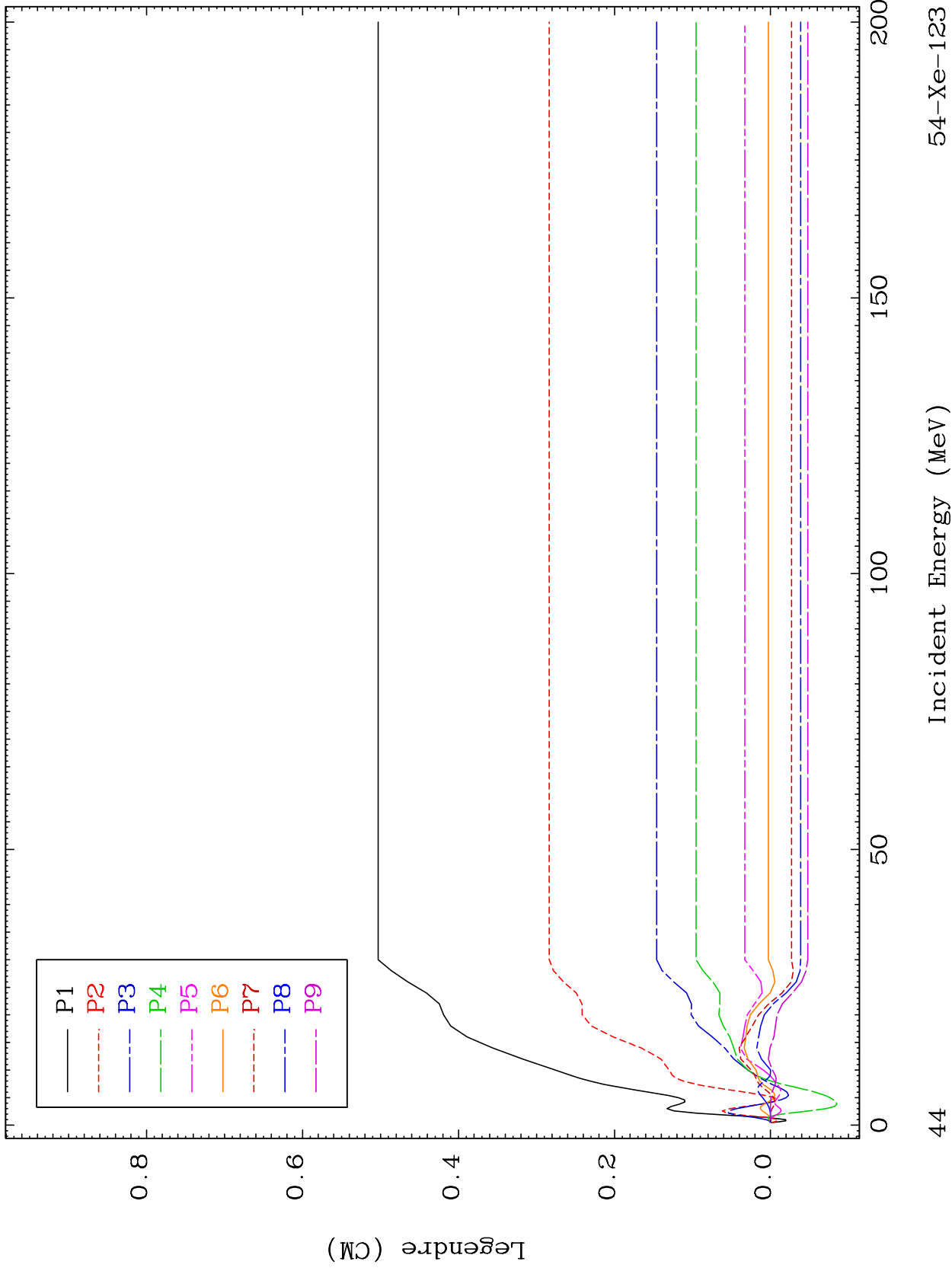
54-Xe-123



43

Incident Energy (MeV)

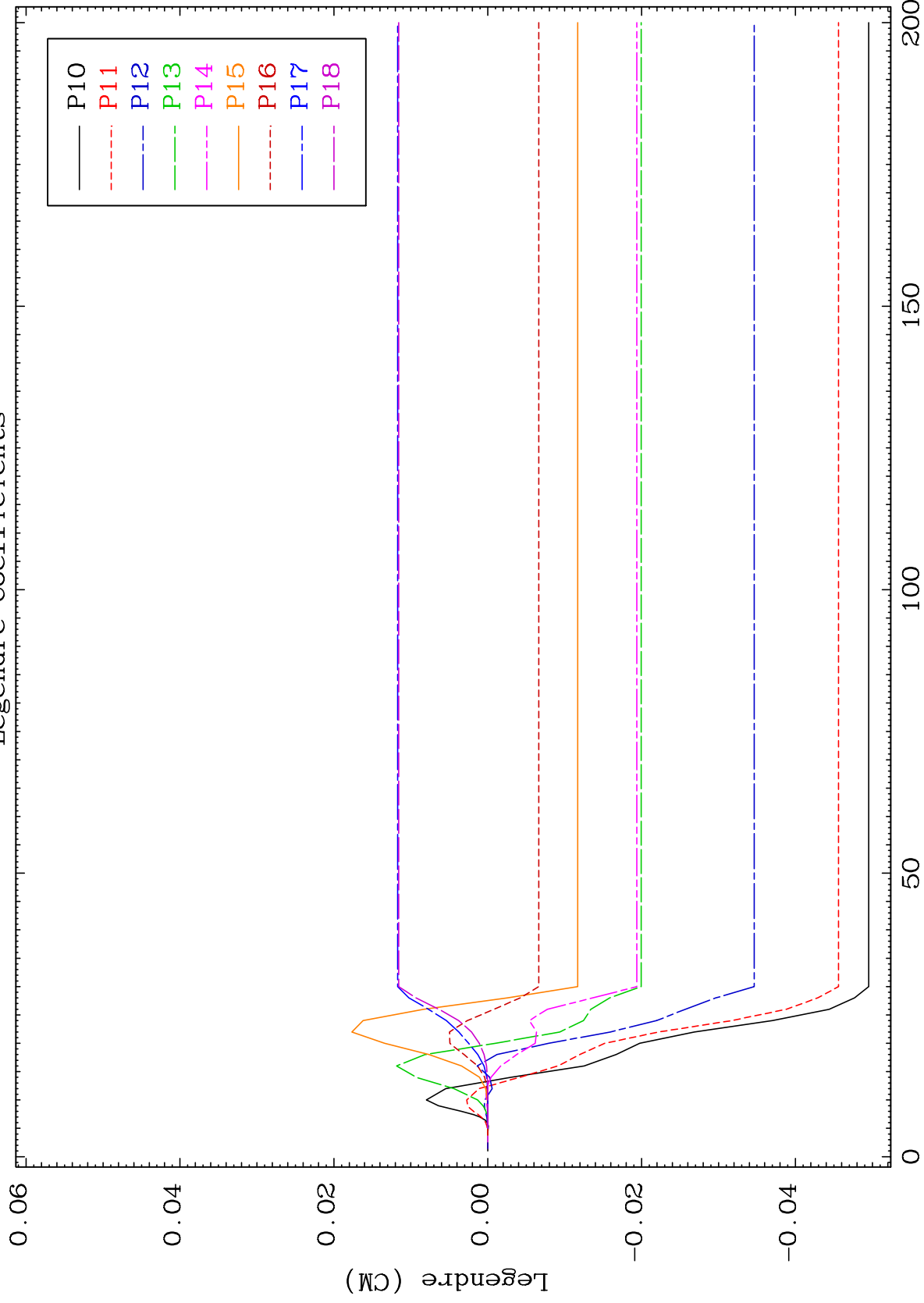
54-Xe-123



MAT 5422

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

54-Xe-123



45

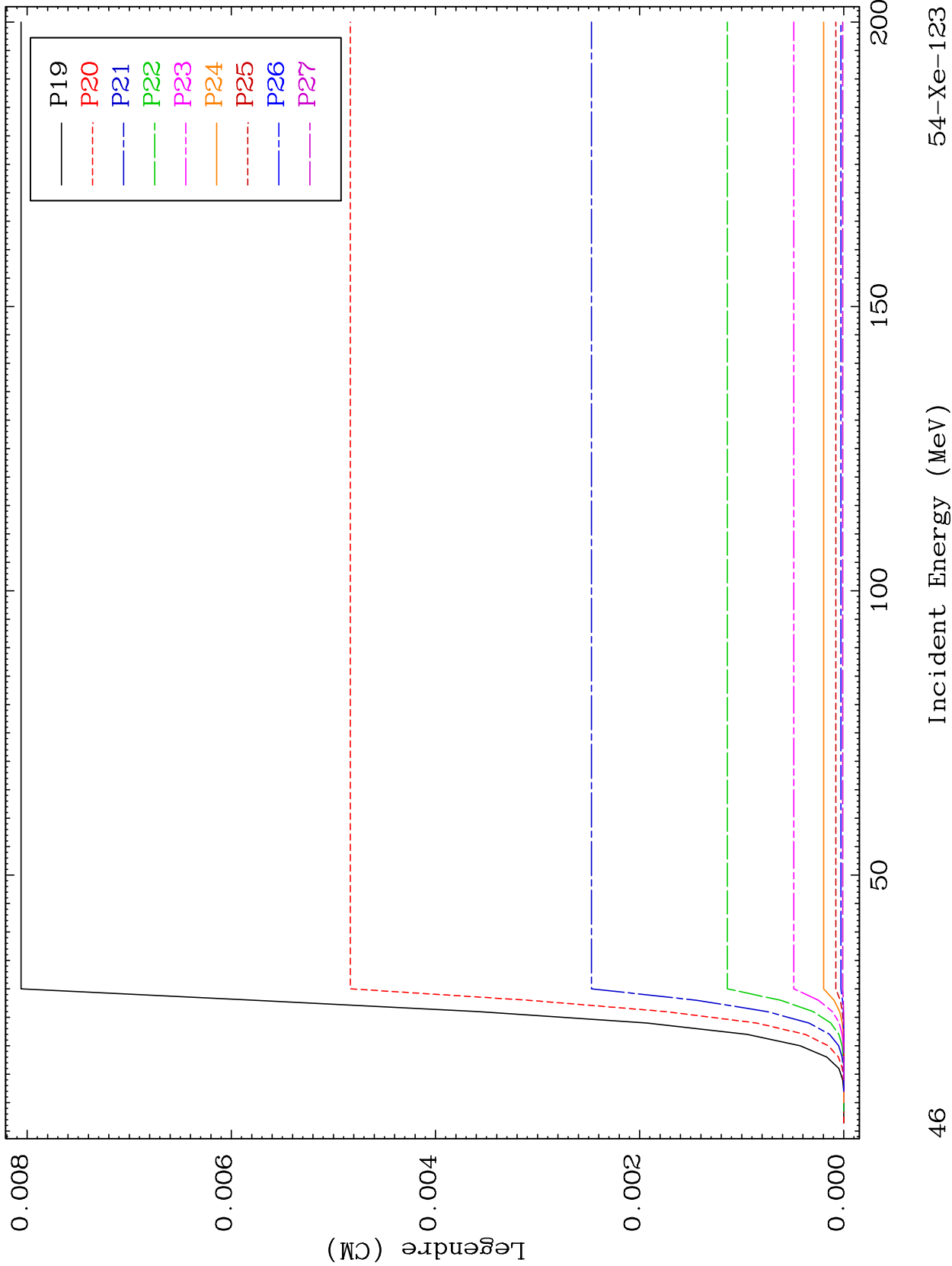
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



46

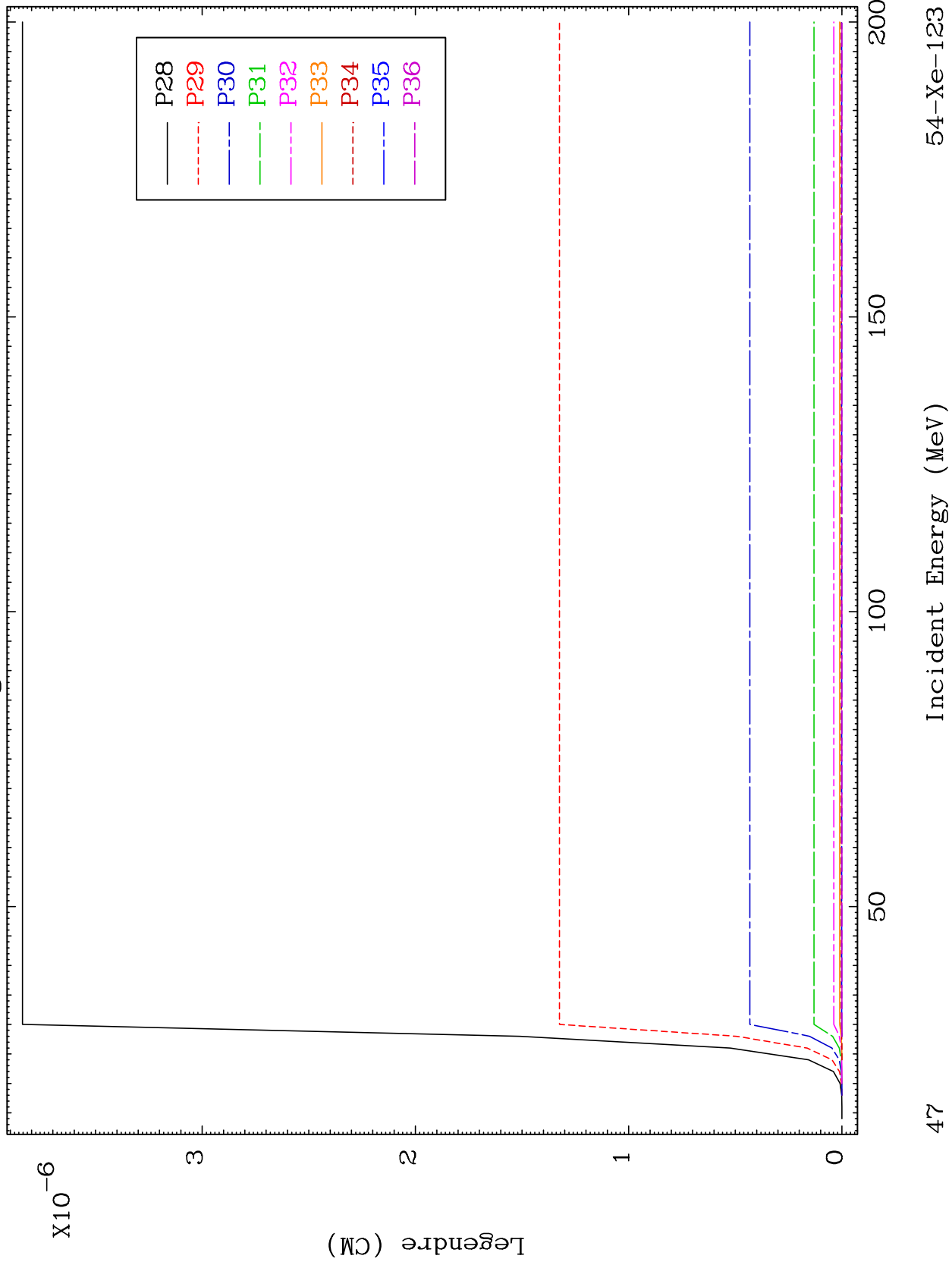
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

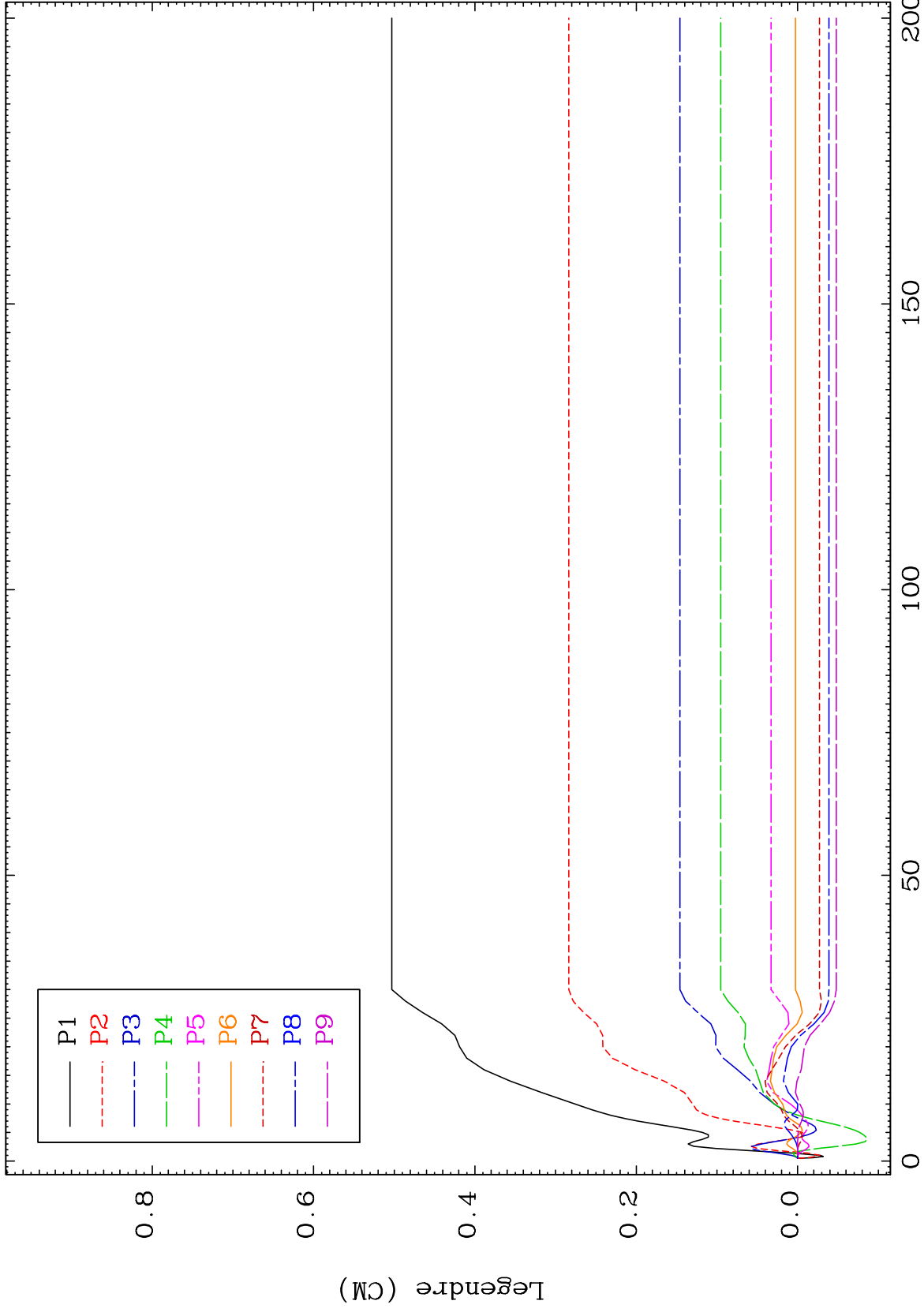
54-Xe-123



MAT 5422

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

54-Xe-123



48

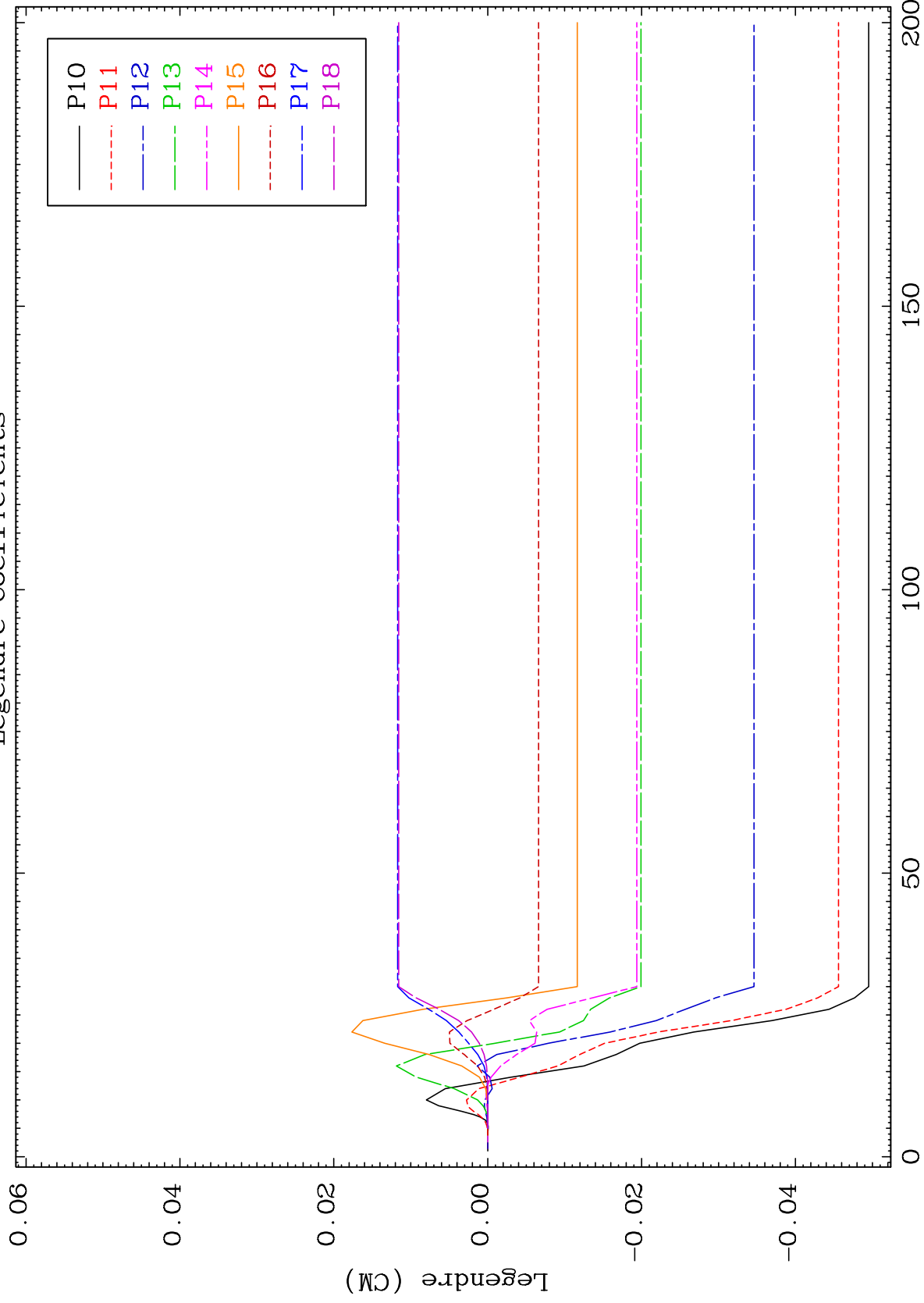
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



49

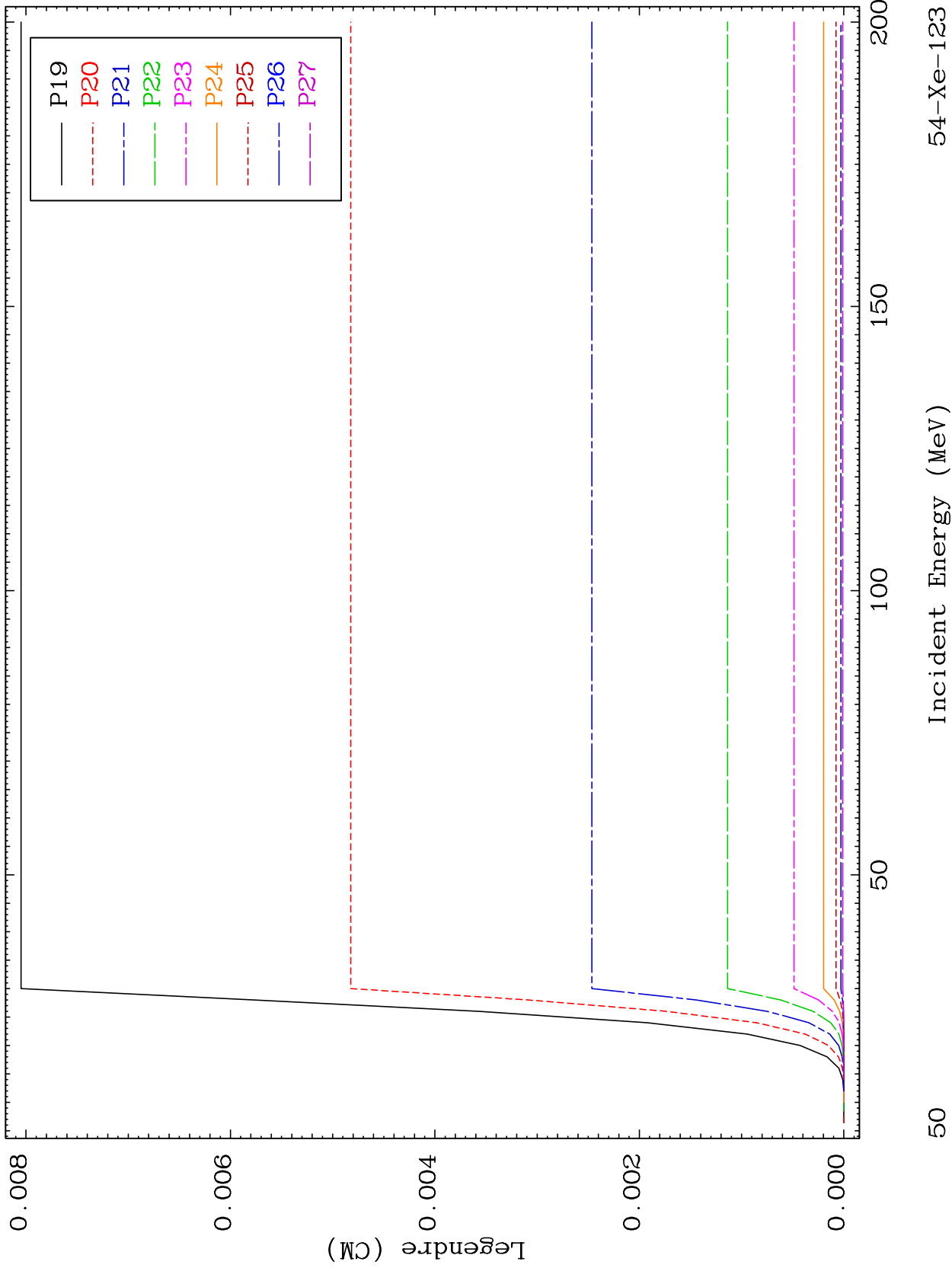
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

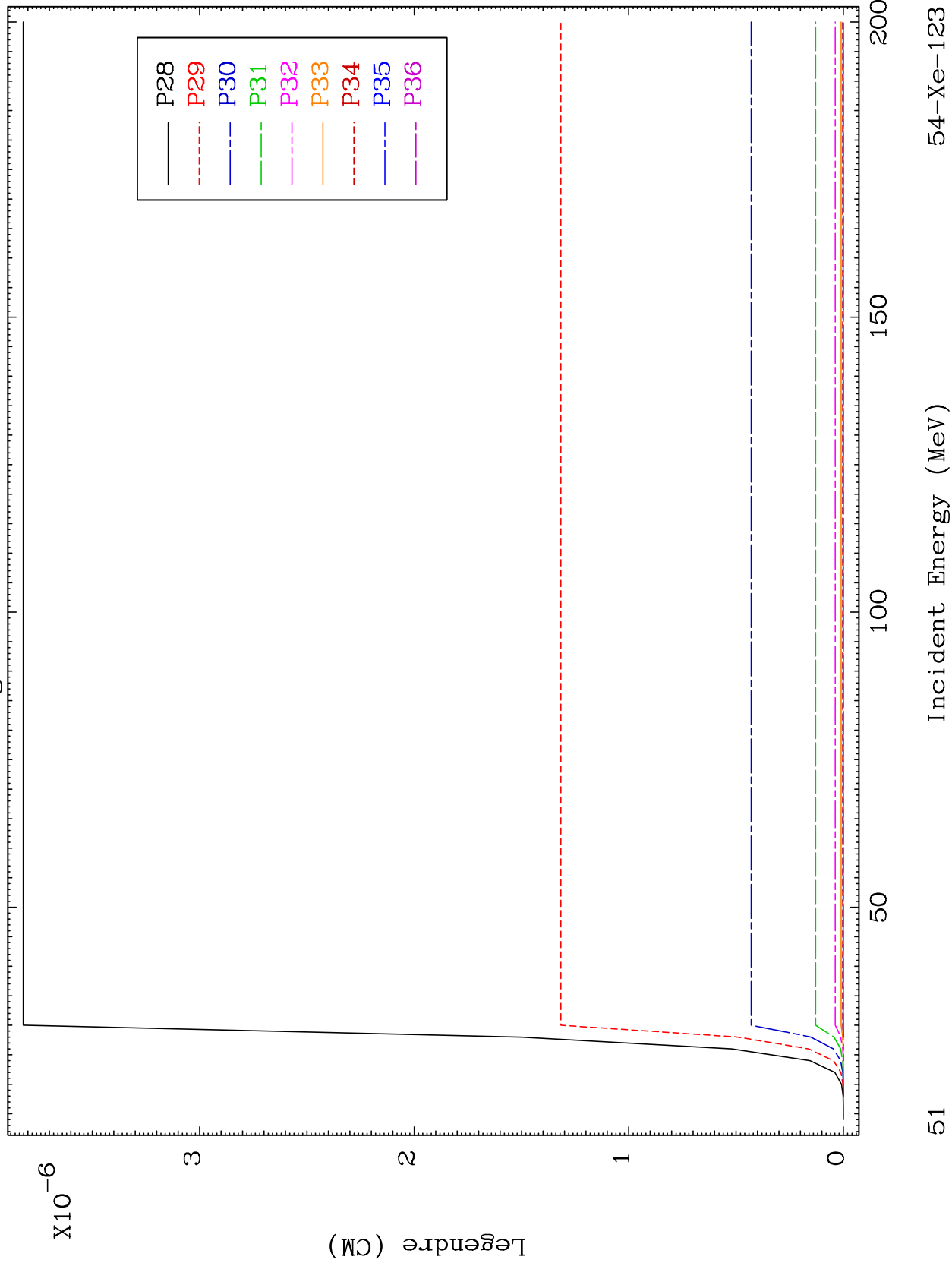
Incident Energy (MeV)

50

MAT 5422

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

54-Xe-123



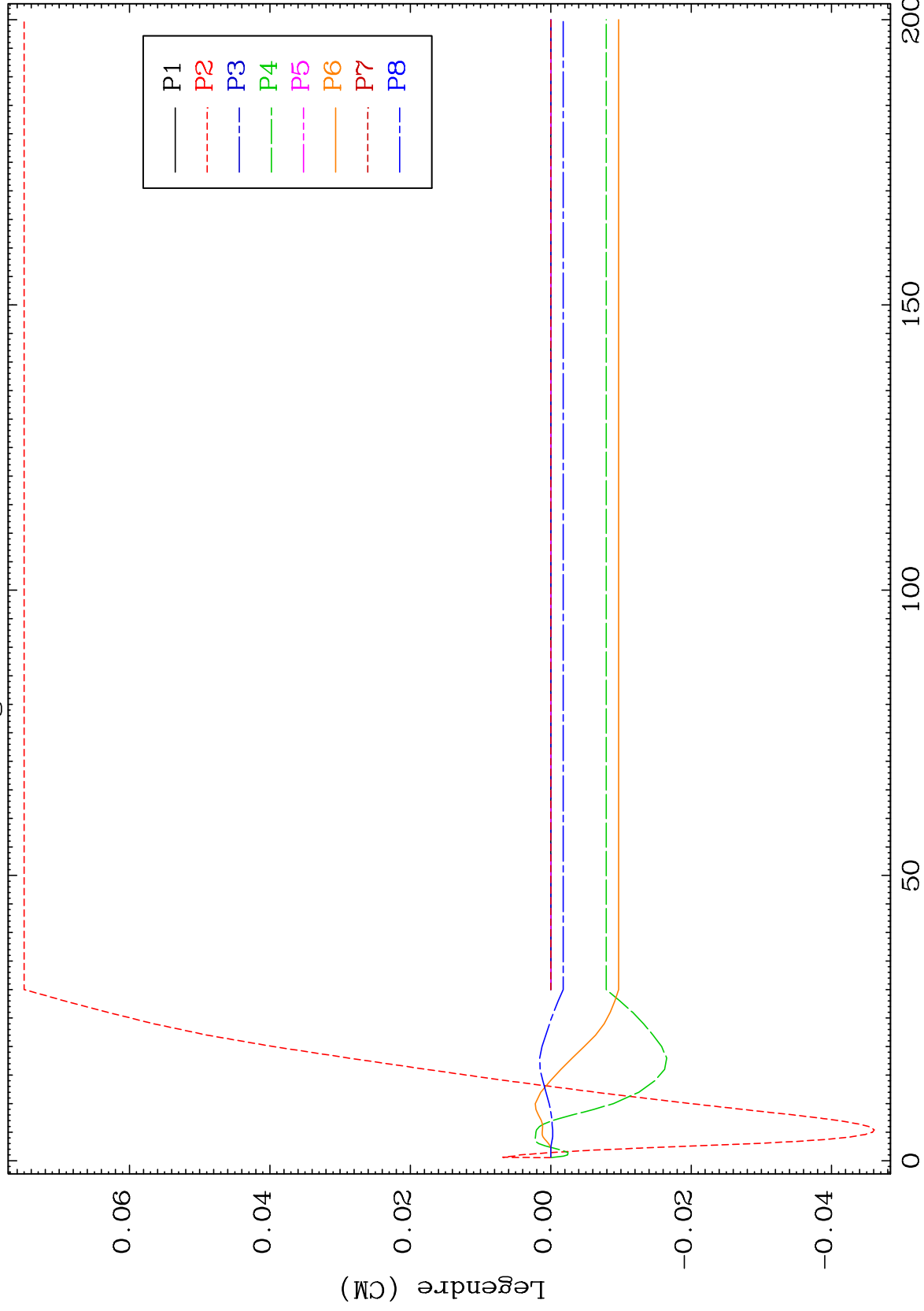
51

54-Xe-123

MAT 5422

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

54-Xe-123



52

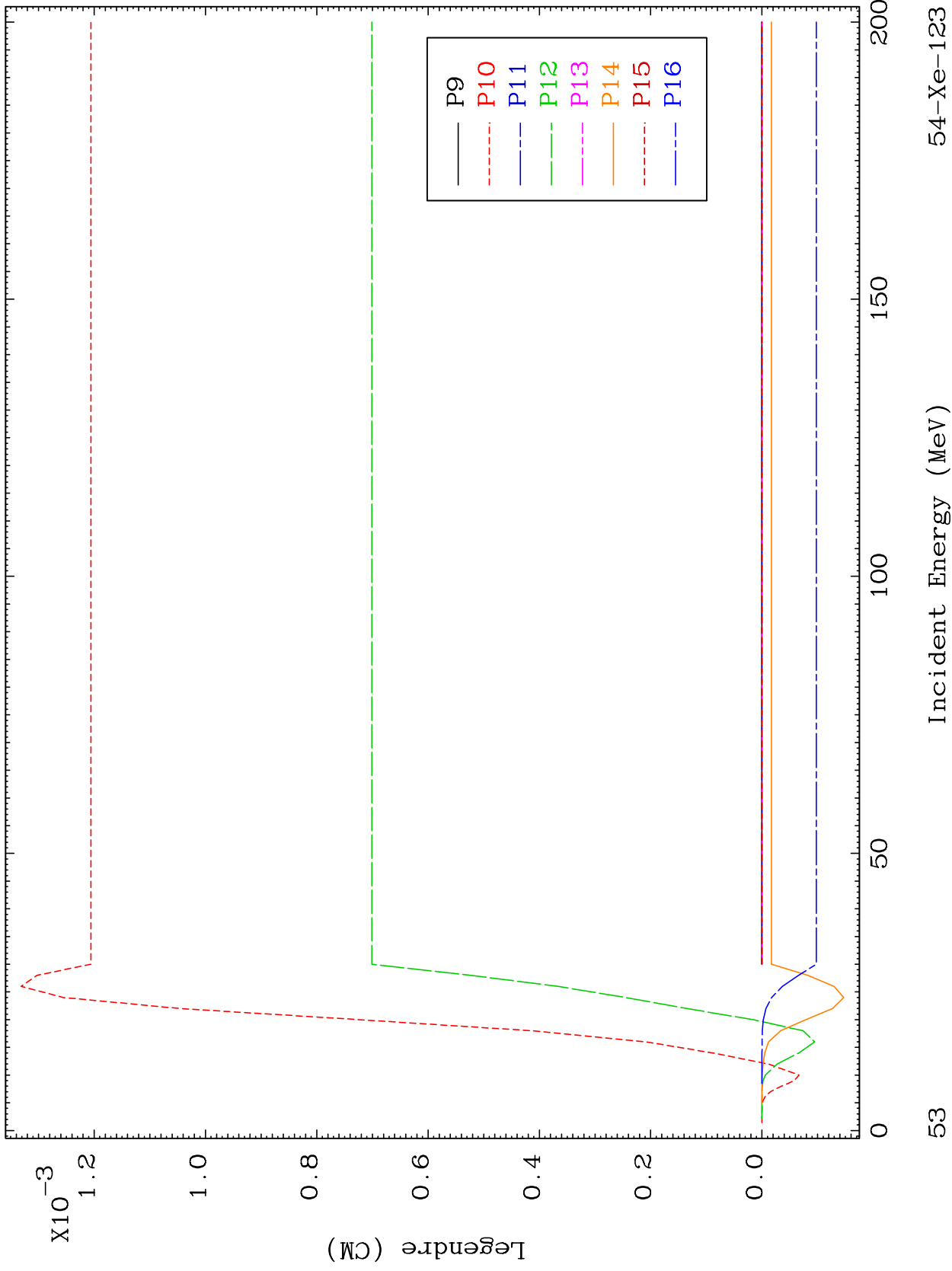
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

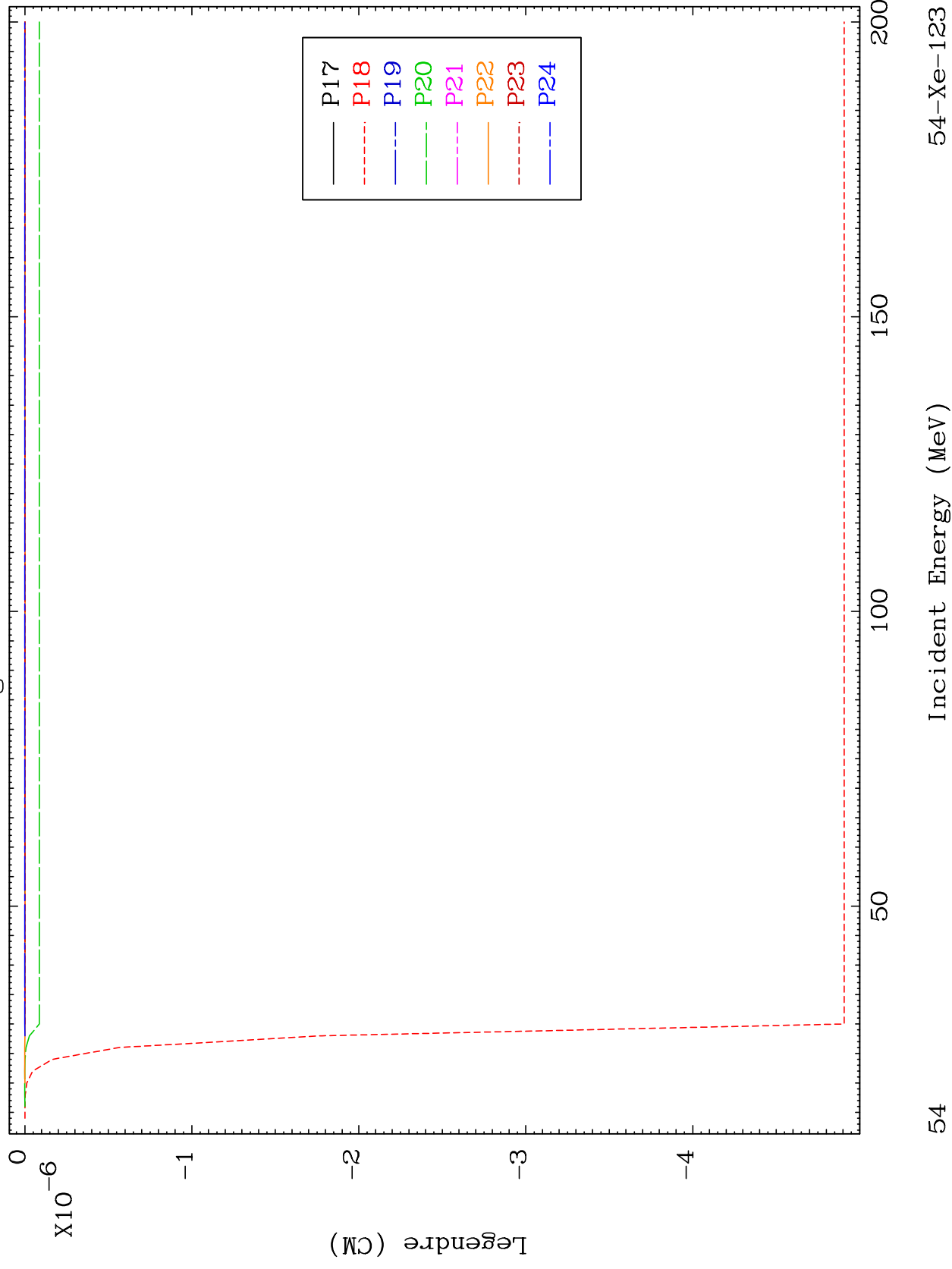
54-Xe-123



MAT 5422

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

54-Xe-123



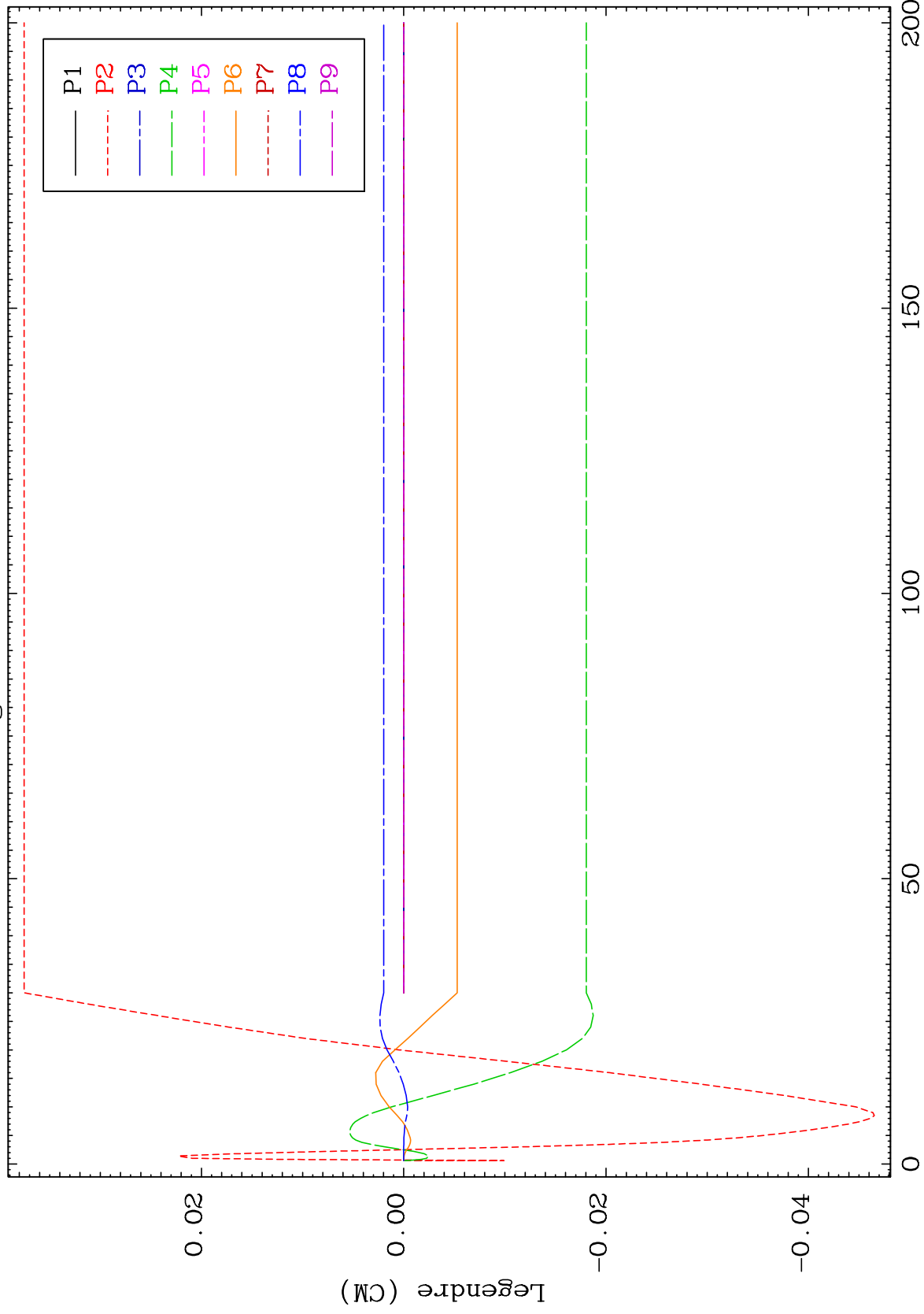
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54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

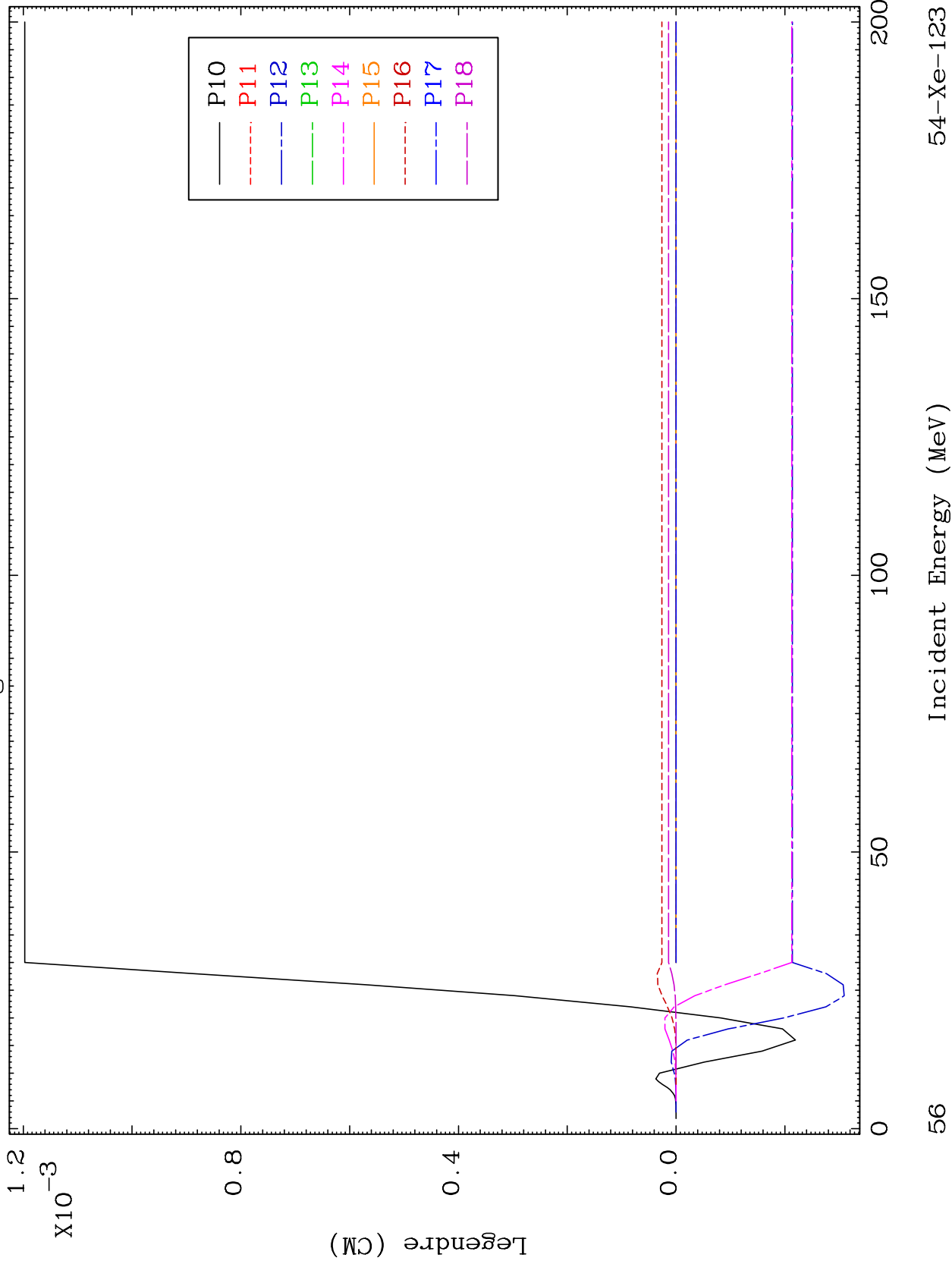
Incident Energy (MeV)

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MAT 5422

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

54-Xe-123



54-Xe-123

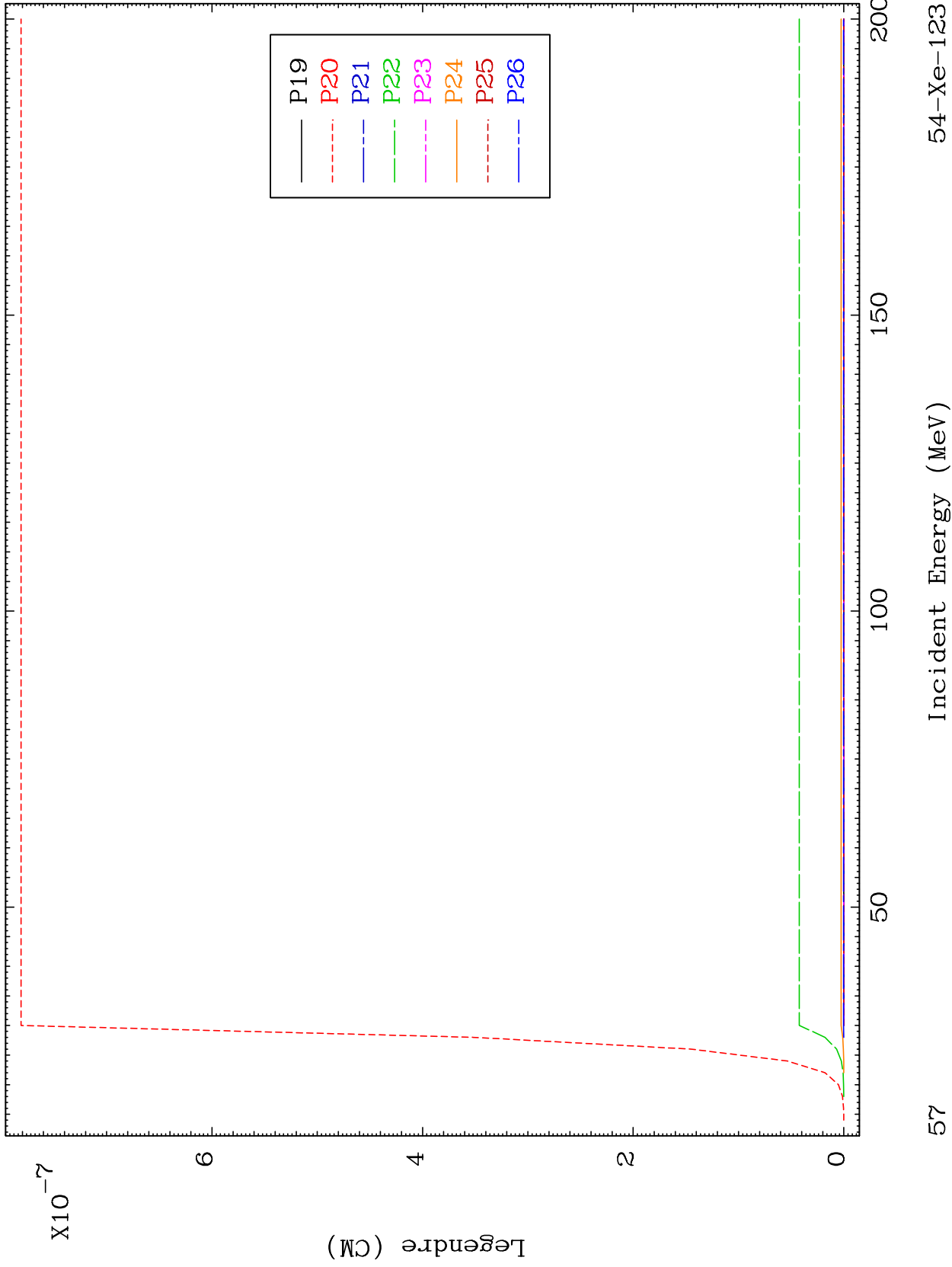
Incident Energy (MeV)

56

MAT 5422

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

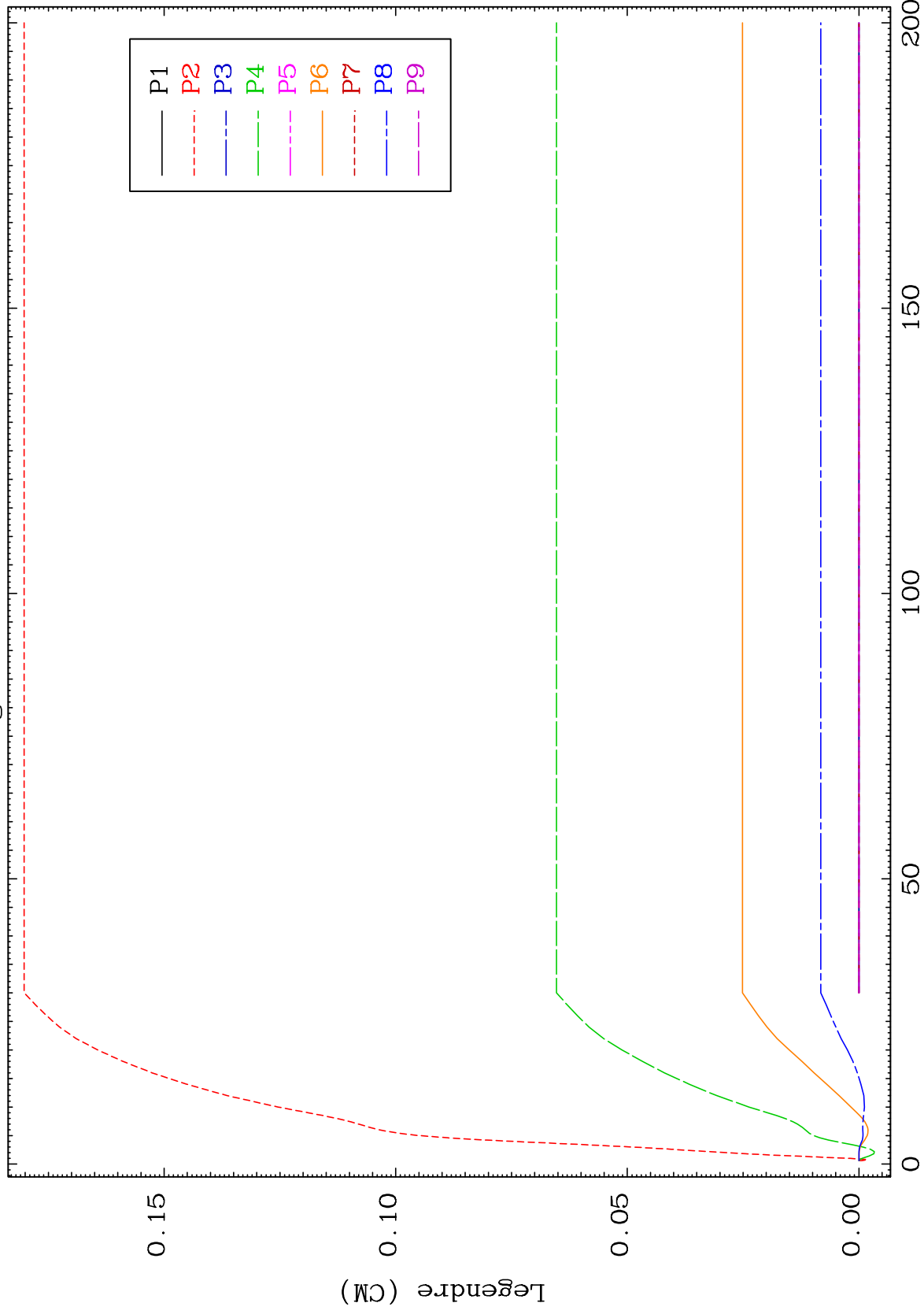
54-Xe-123



MAT 5422

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

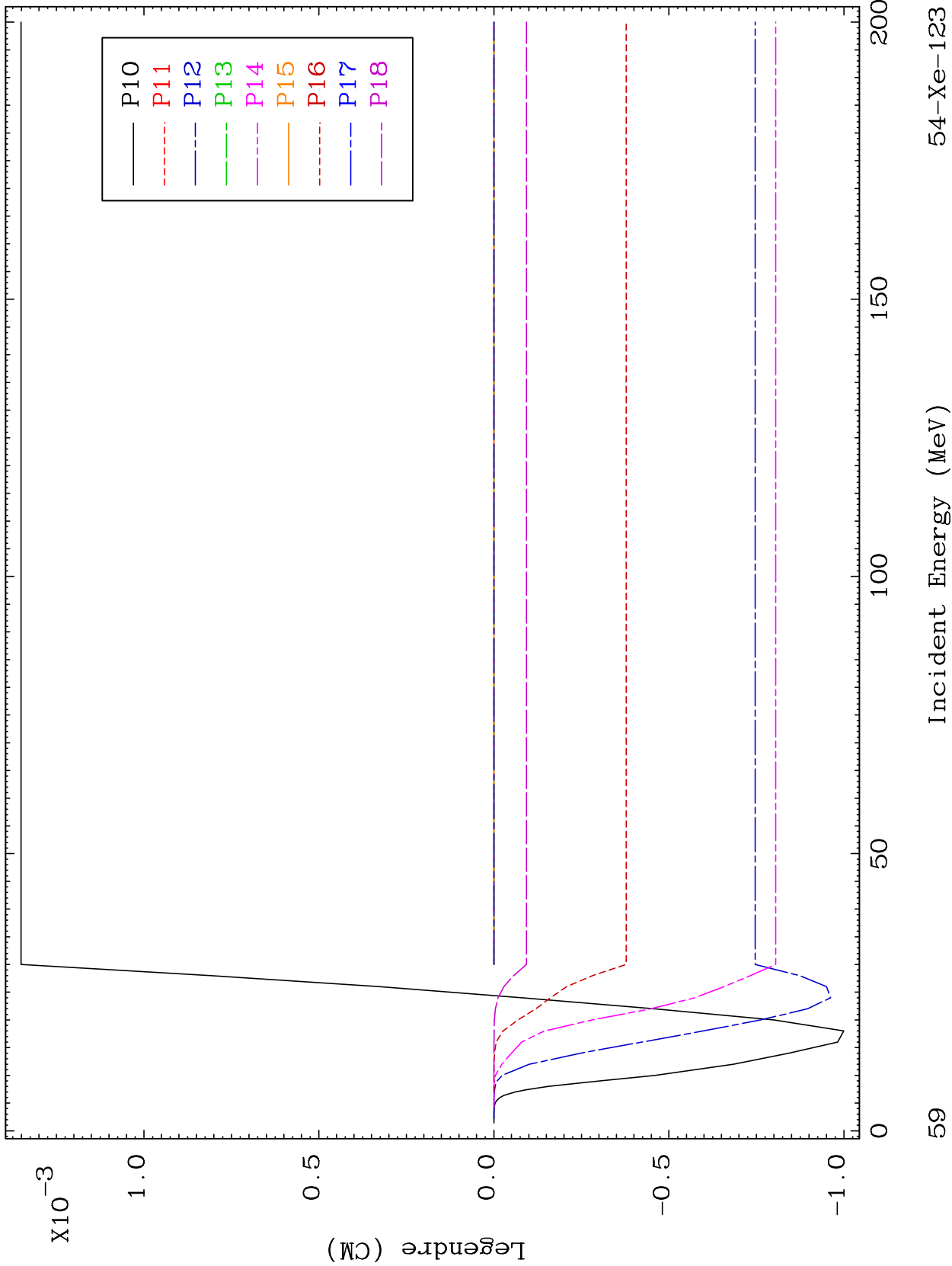
54-Xe-123



54-Xe-123

Incident Energy (MeV)

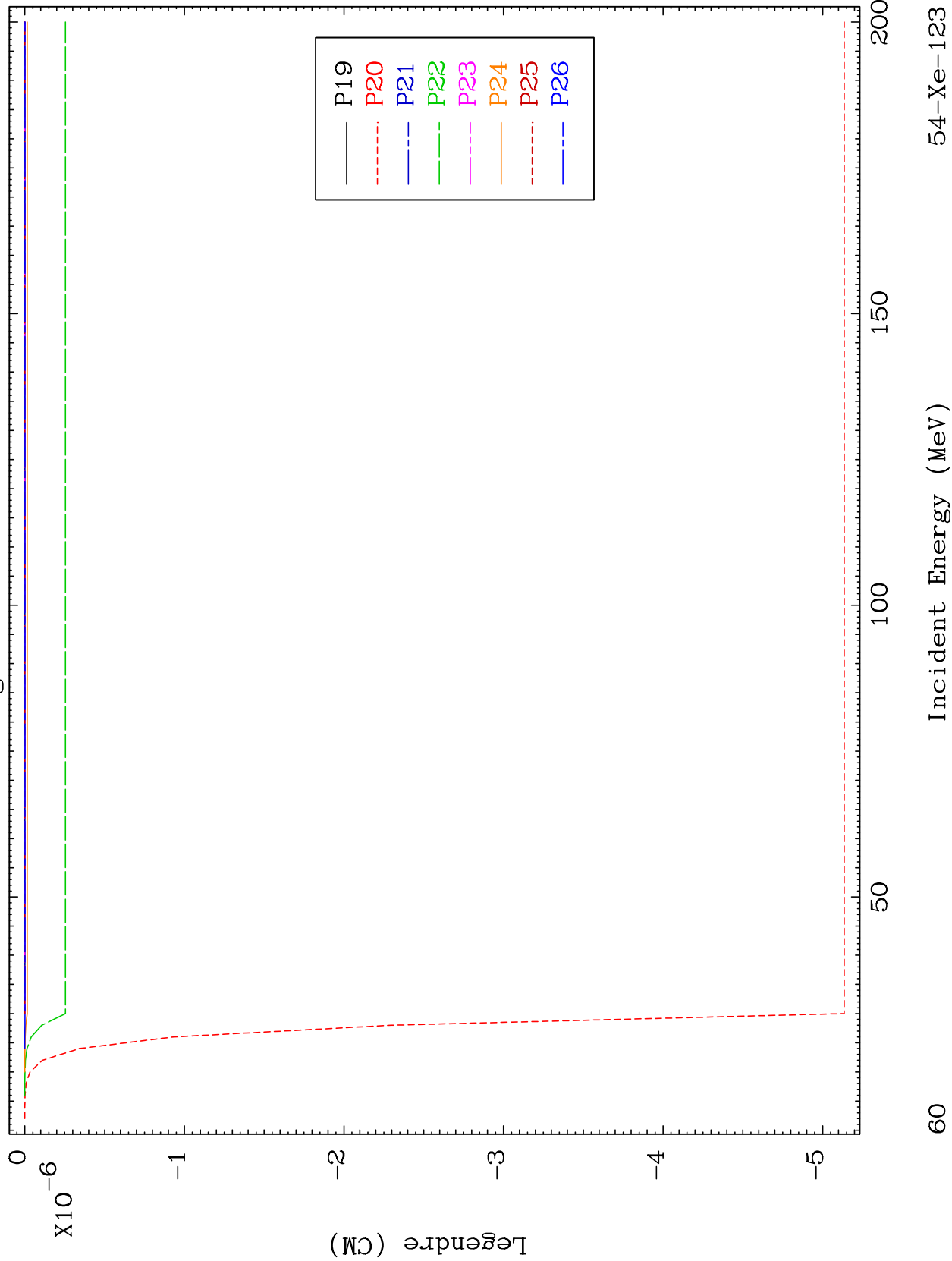
58



MAT 5422

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

54-Xe-123



54-Xe-123

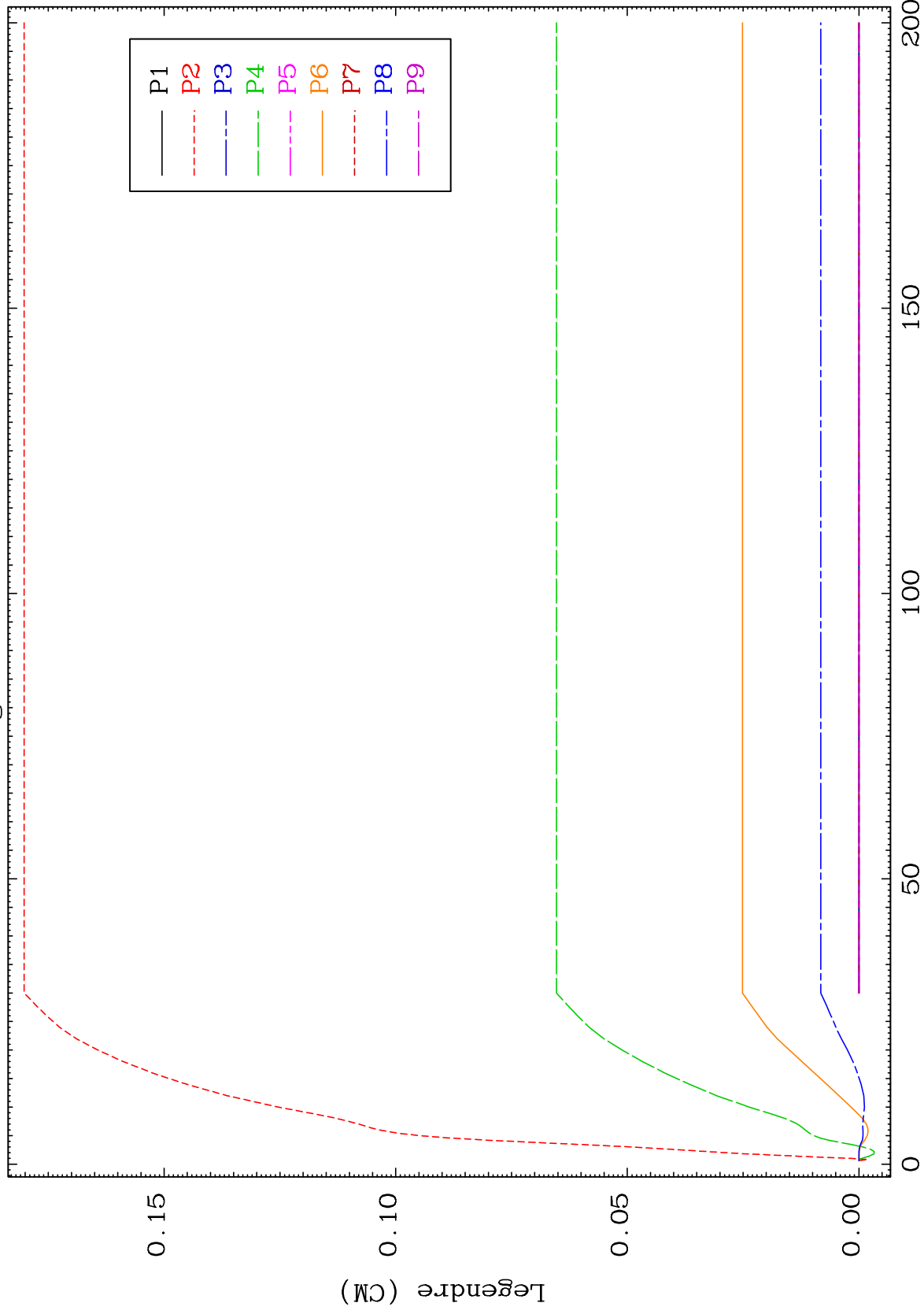
Incident Energy (MeV)

60

MAT 5422

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

54-Xe-123



61

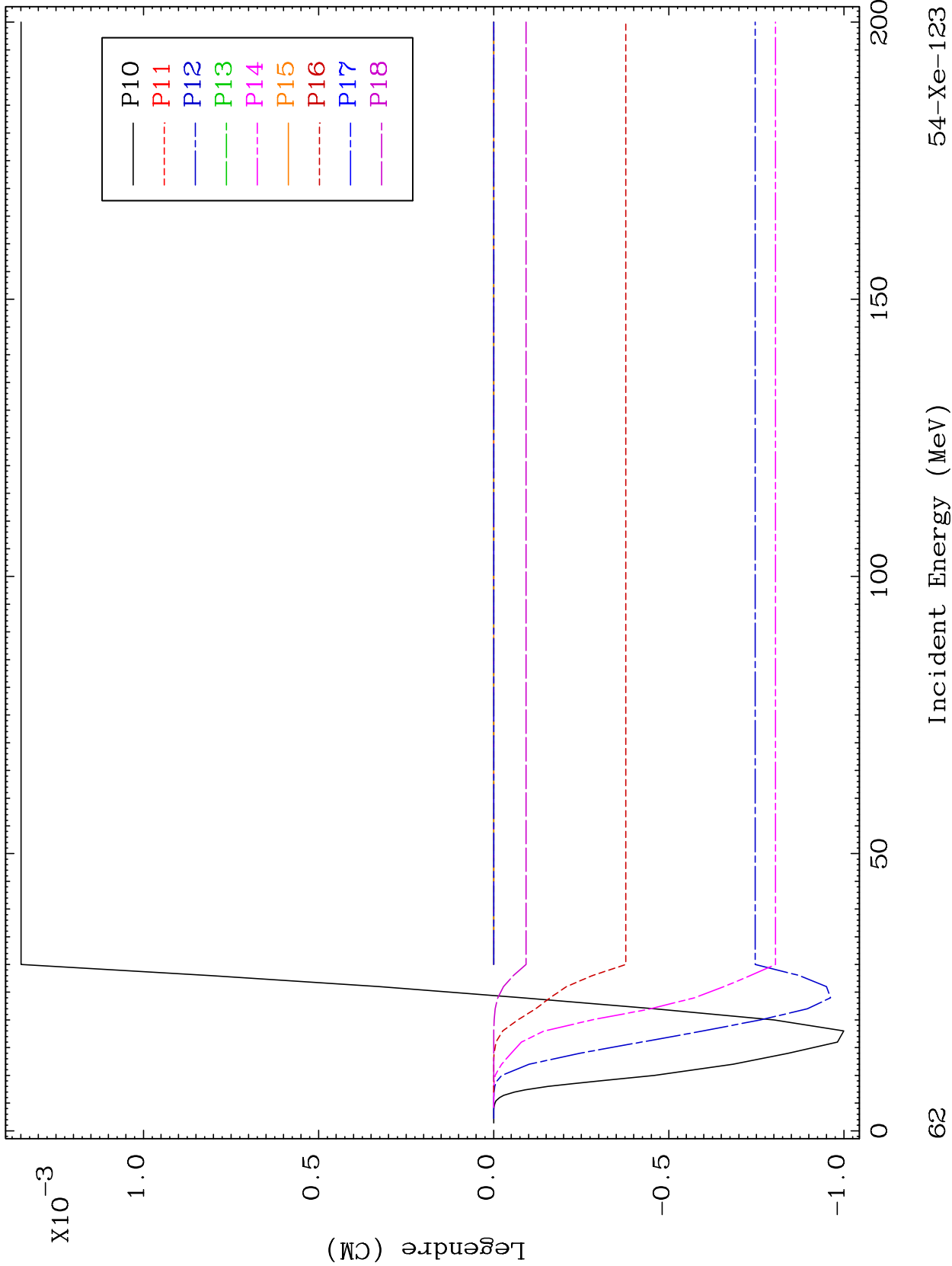
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

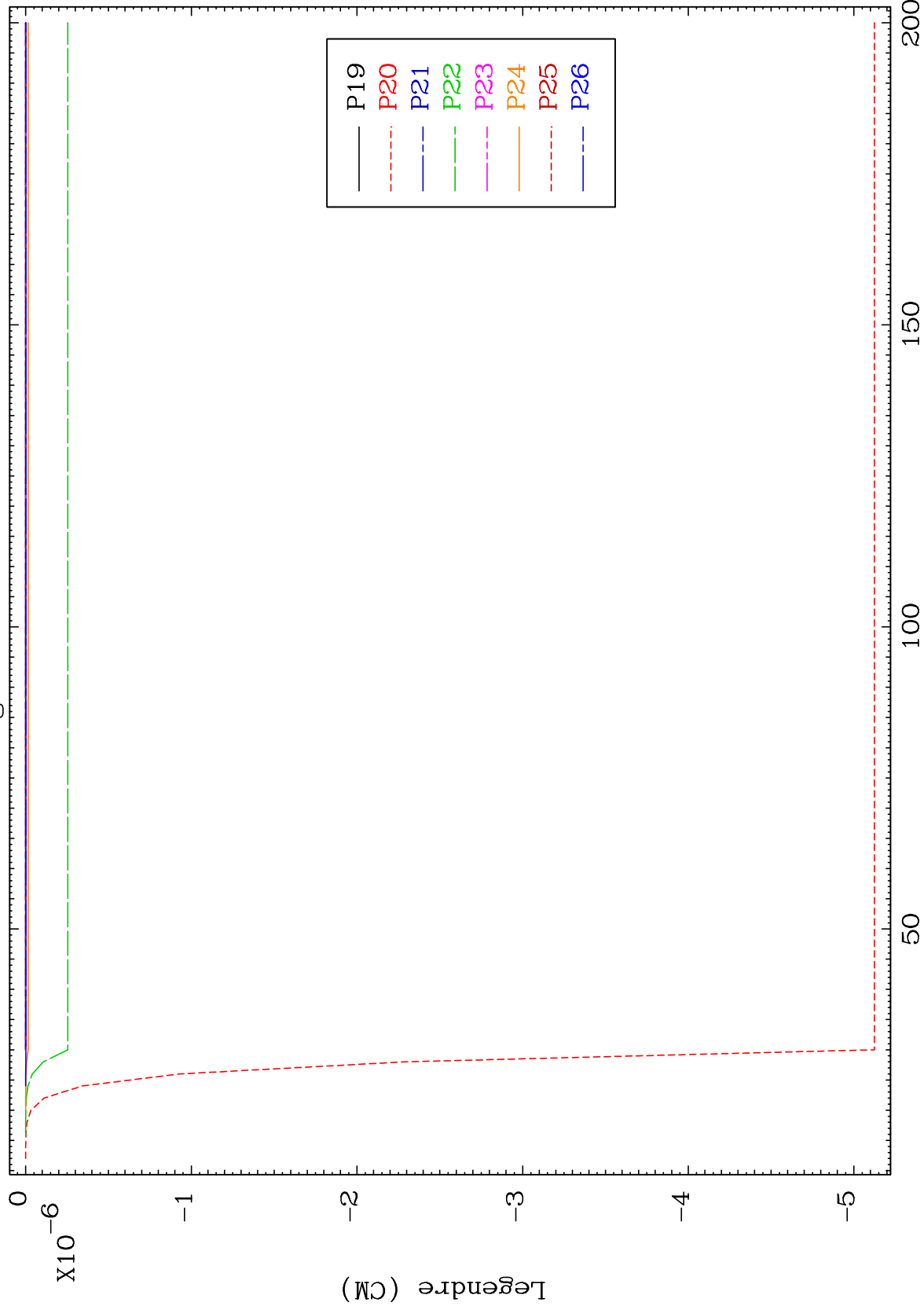
Incident Energy (MeV)

62

MAT 5422

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

54-Xe-123



63

Incident Energy (MeV)

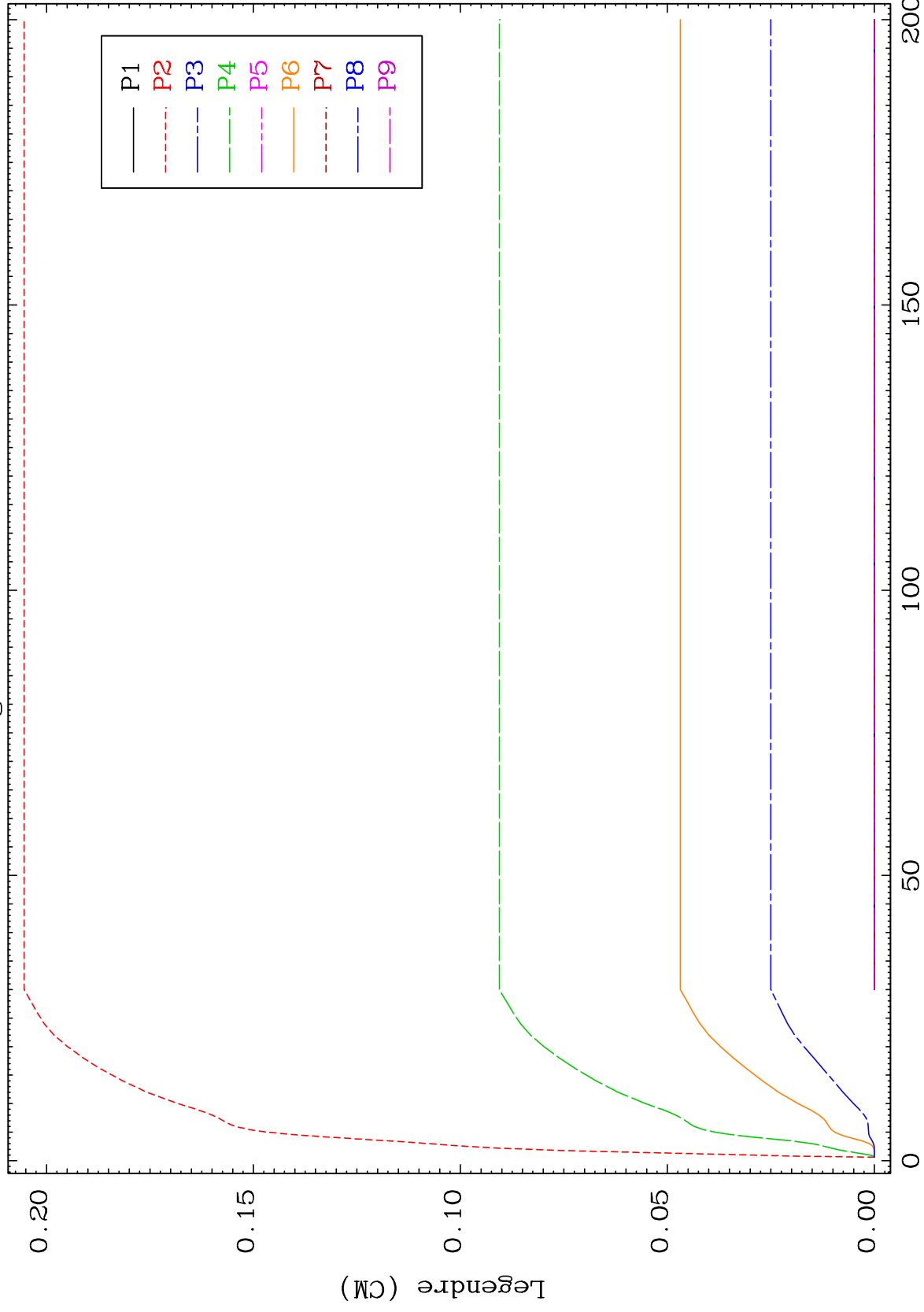
54-Xe-123

MAT 5422

MT= 65 (n,n') Level

54-Xe-123

Legendre Coefficients



64

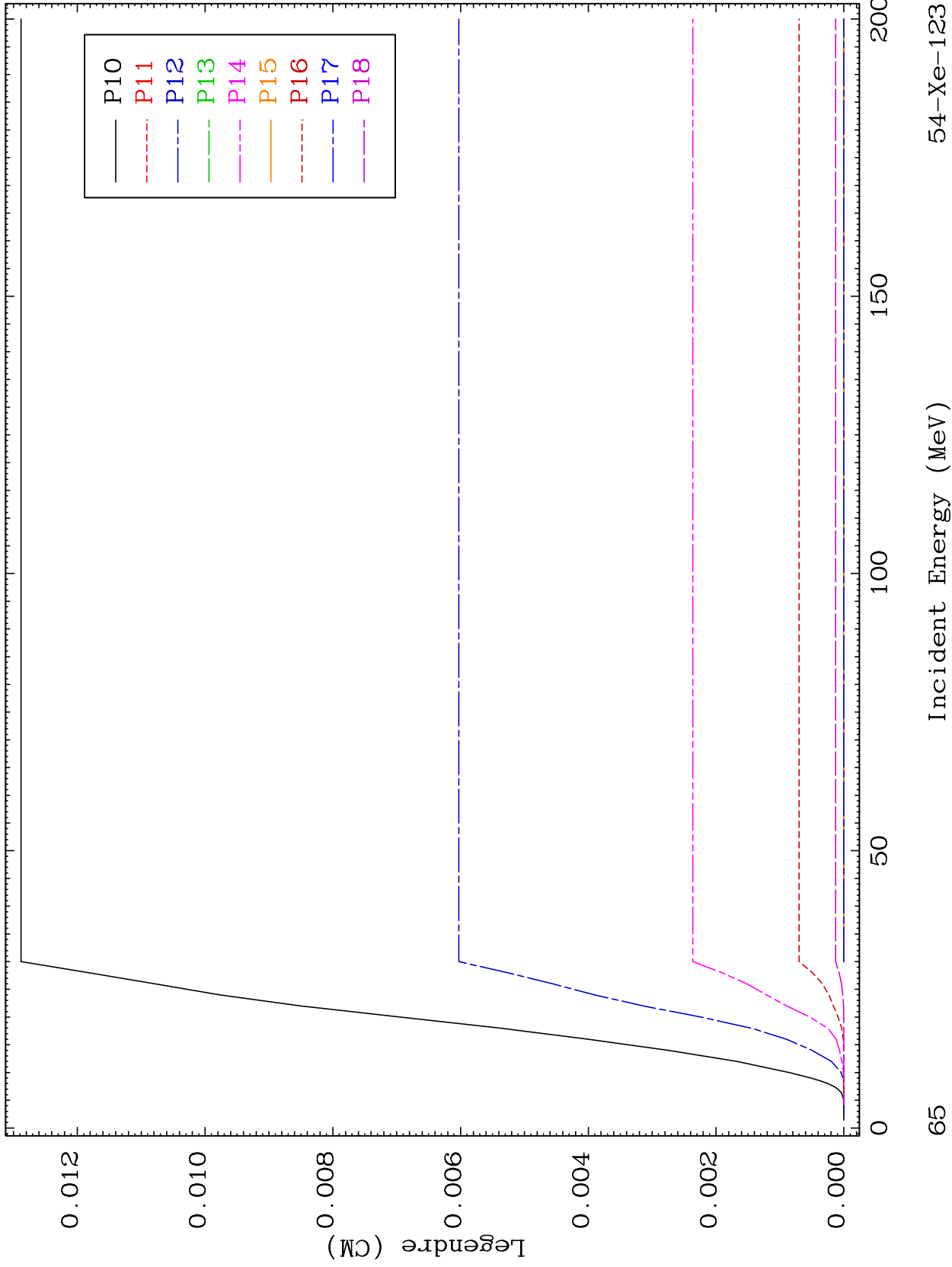
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

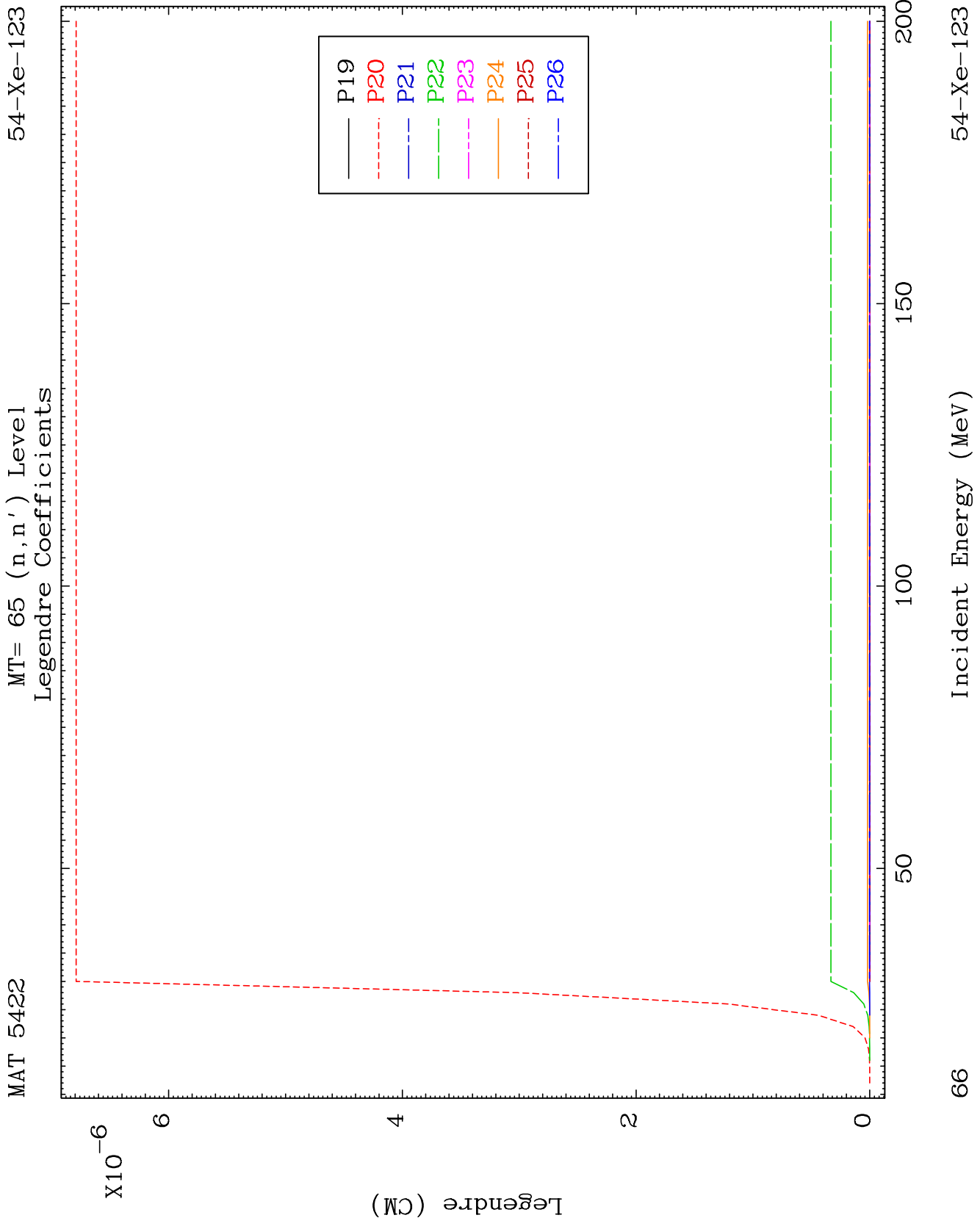
54-Xe-123



65

Incident Energy (MeV)

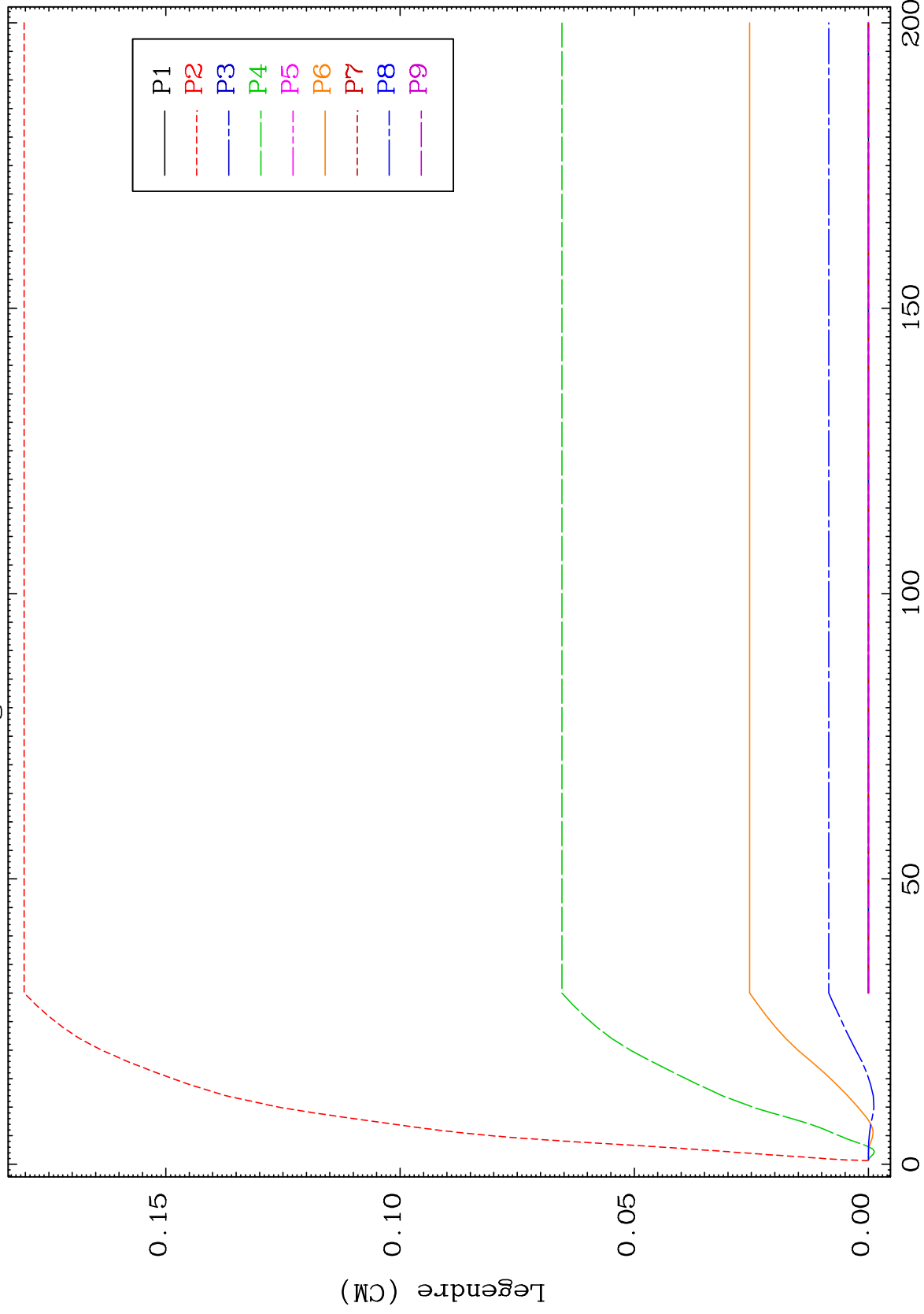
54-Xe-123



MAT 5422

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

54-Xe-123



67

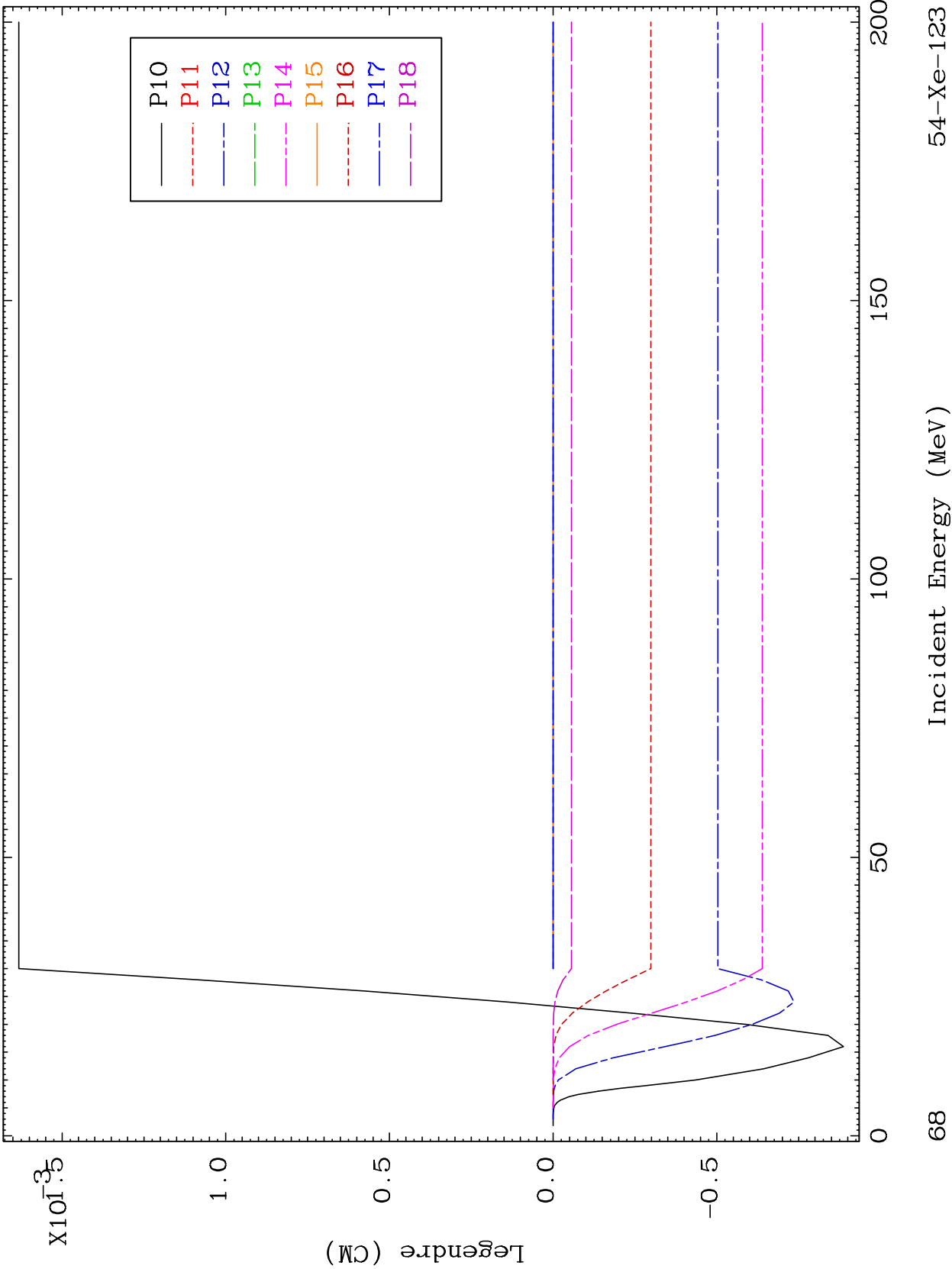
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



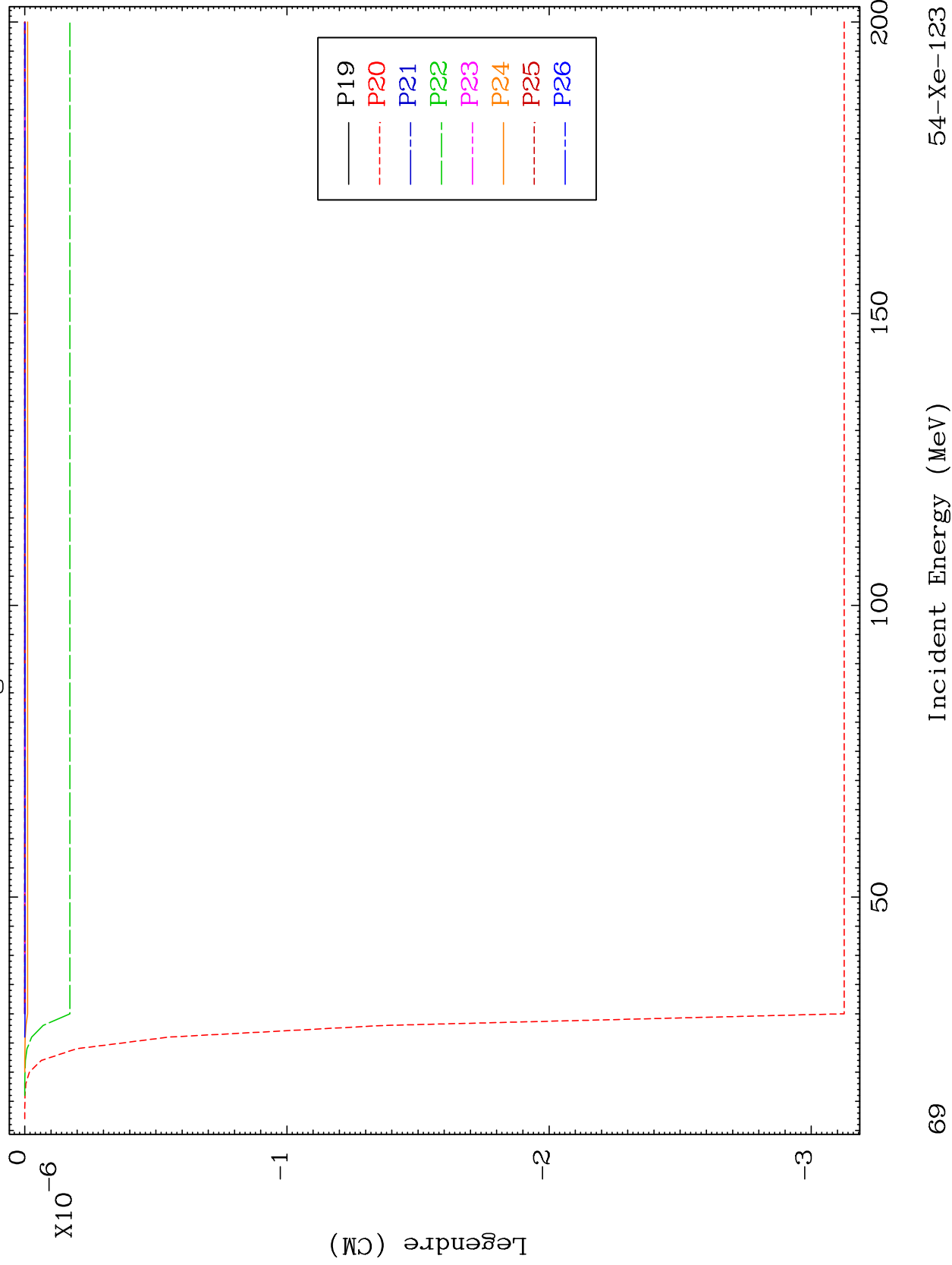
68

54-Xe-123

MAT 5422

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

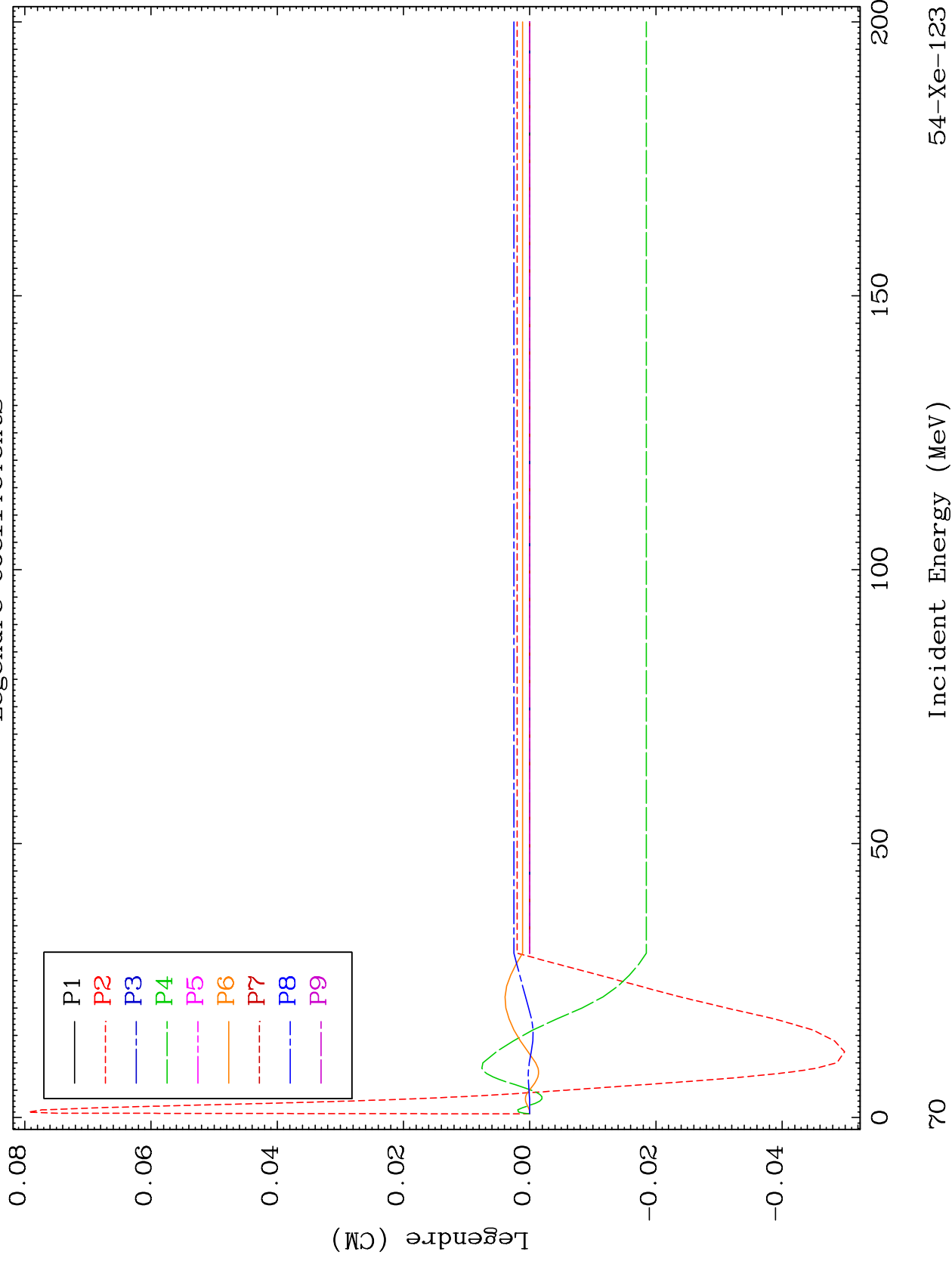
54-Xe-123



MAT 5422

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

54-Xe-123



54-Xe-123

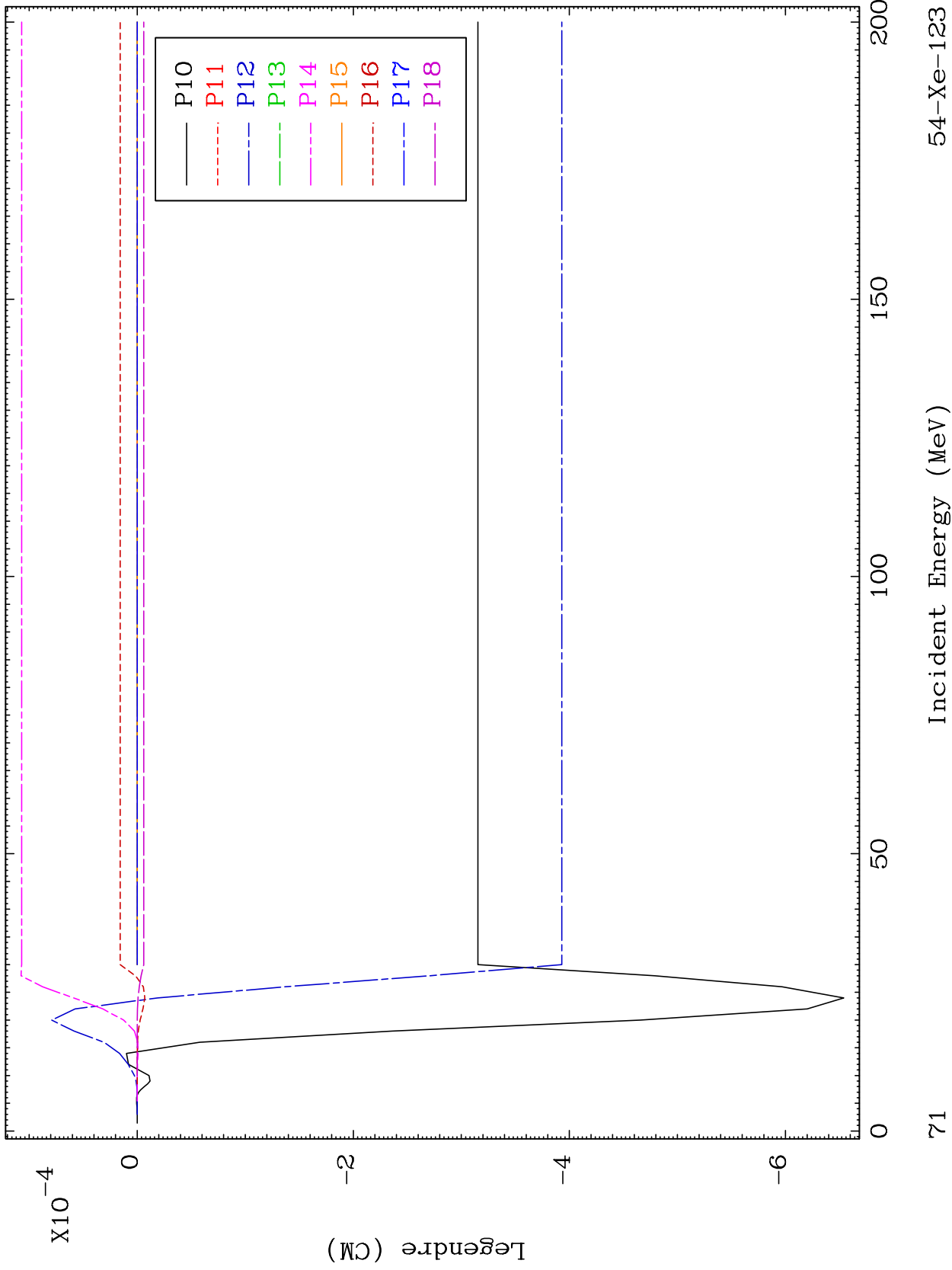
Incident Energy (MeV)

70

MAT 5422

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

54-Xe-123



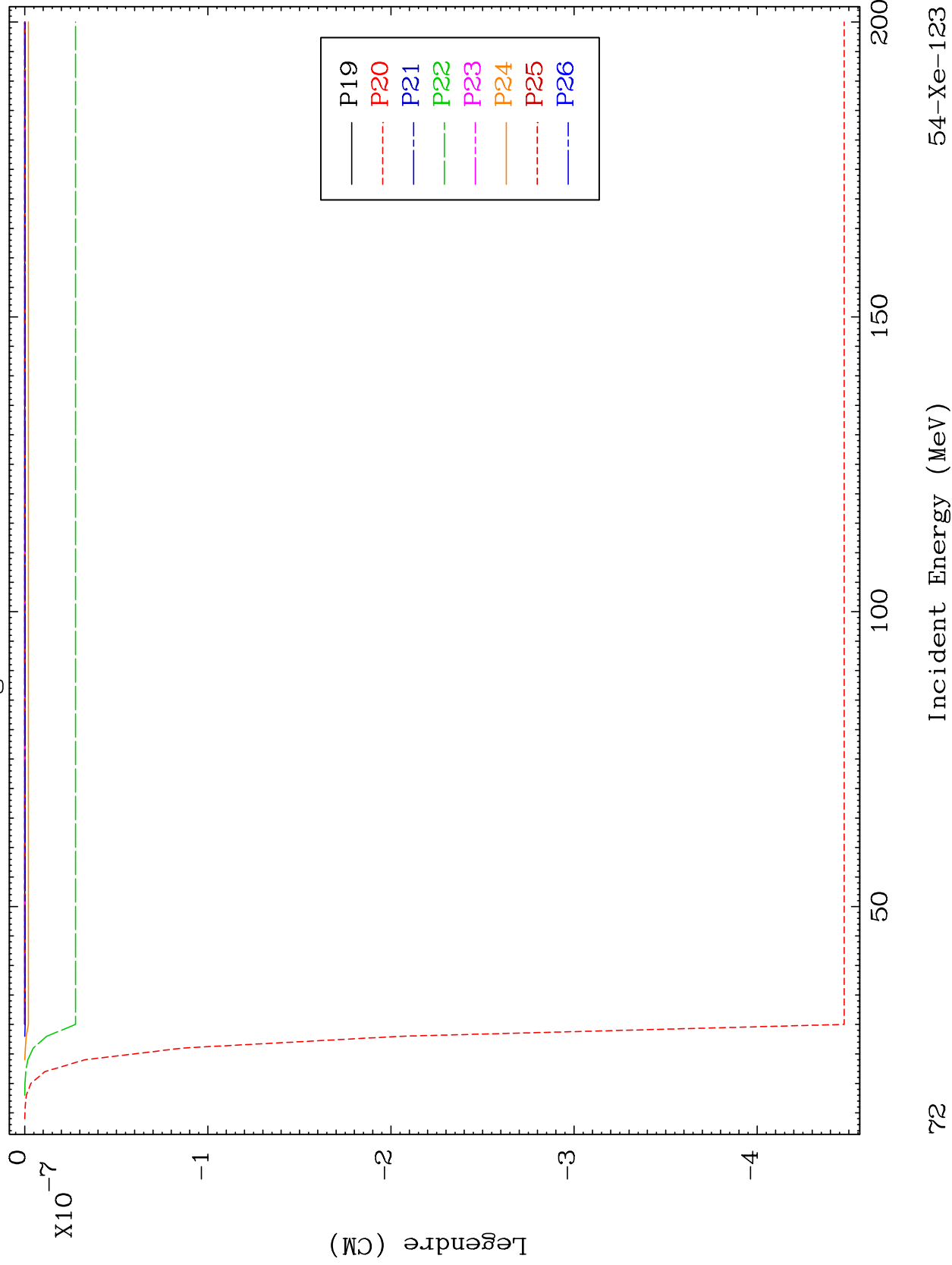
71

54-Xe-123

MAT 5422

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

54-Xe-123



72

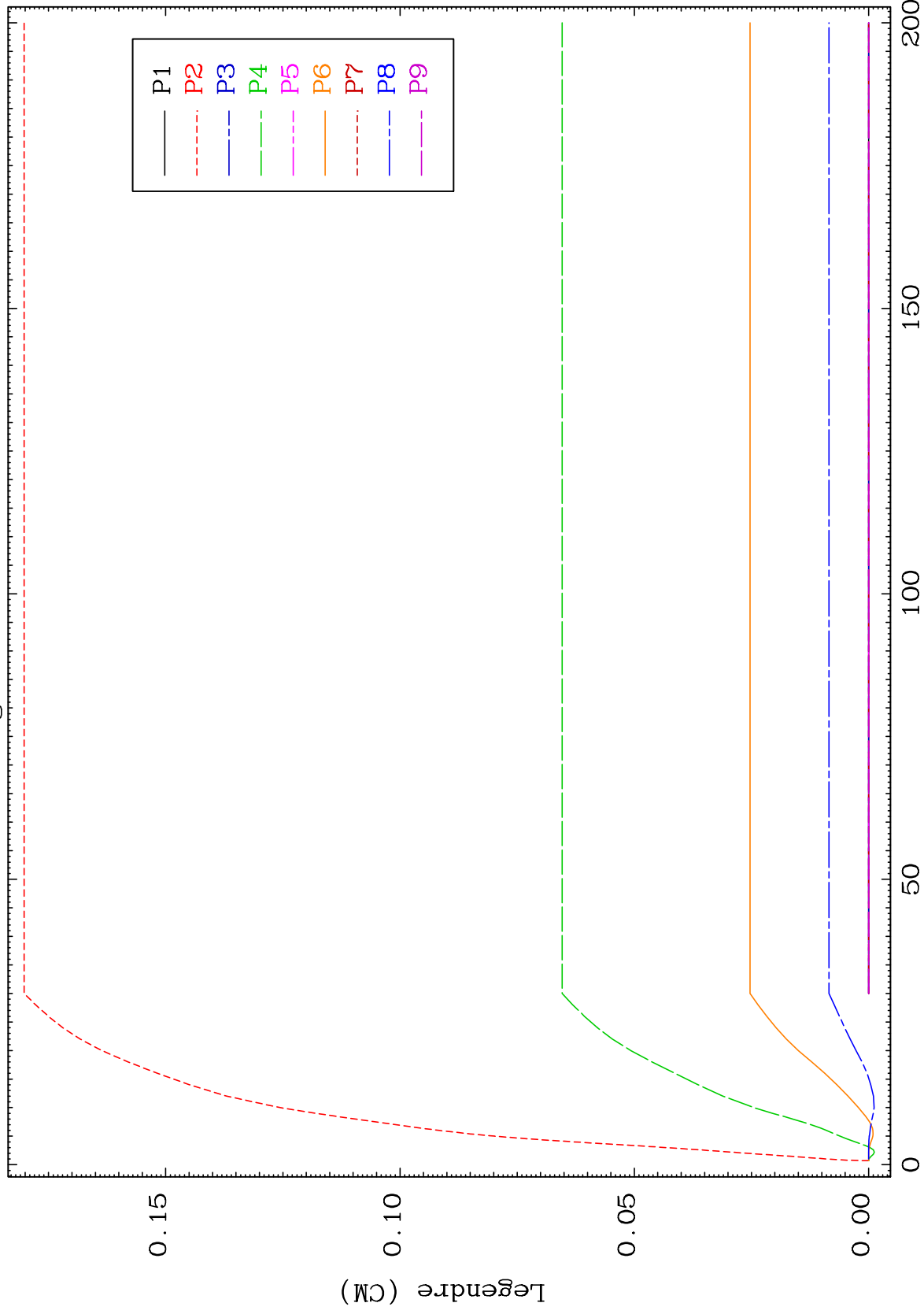
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

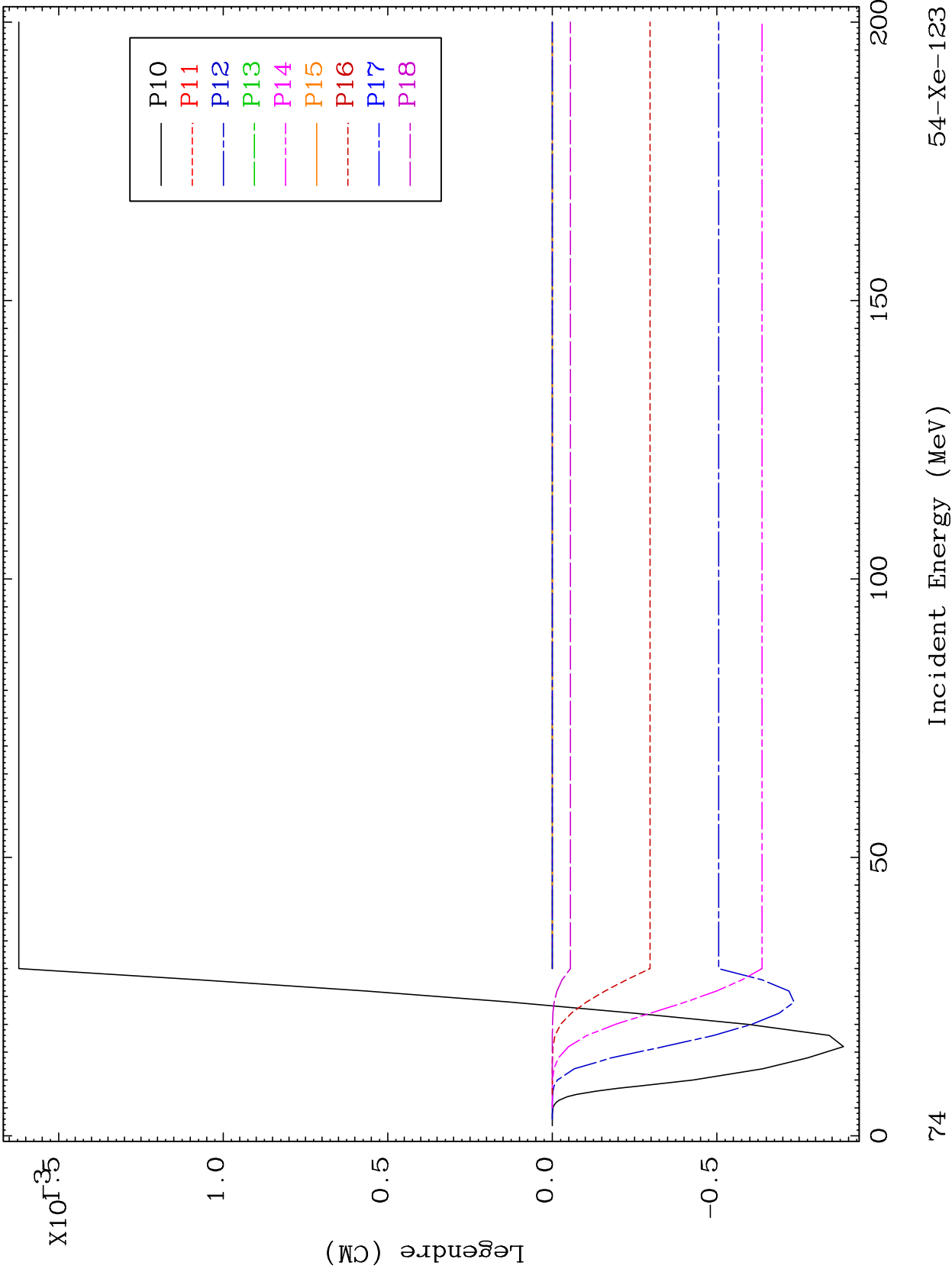
54-Xe-123



73

Incident Energy (MeV)

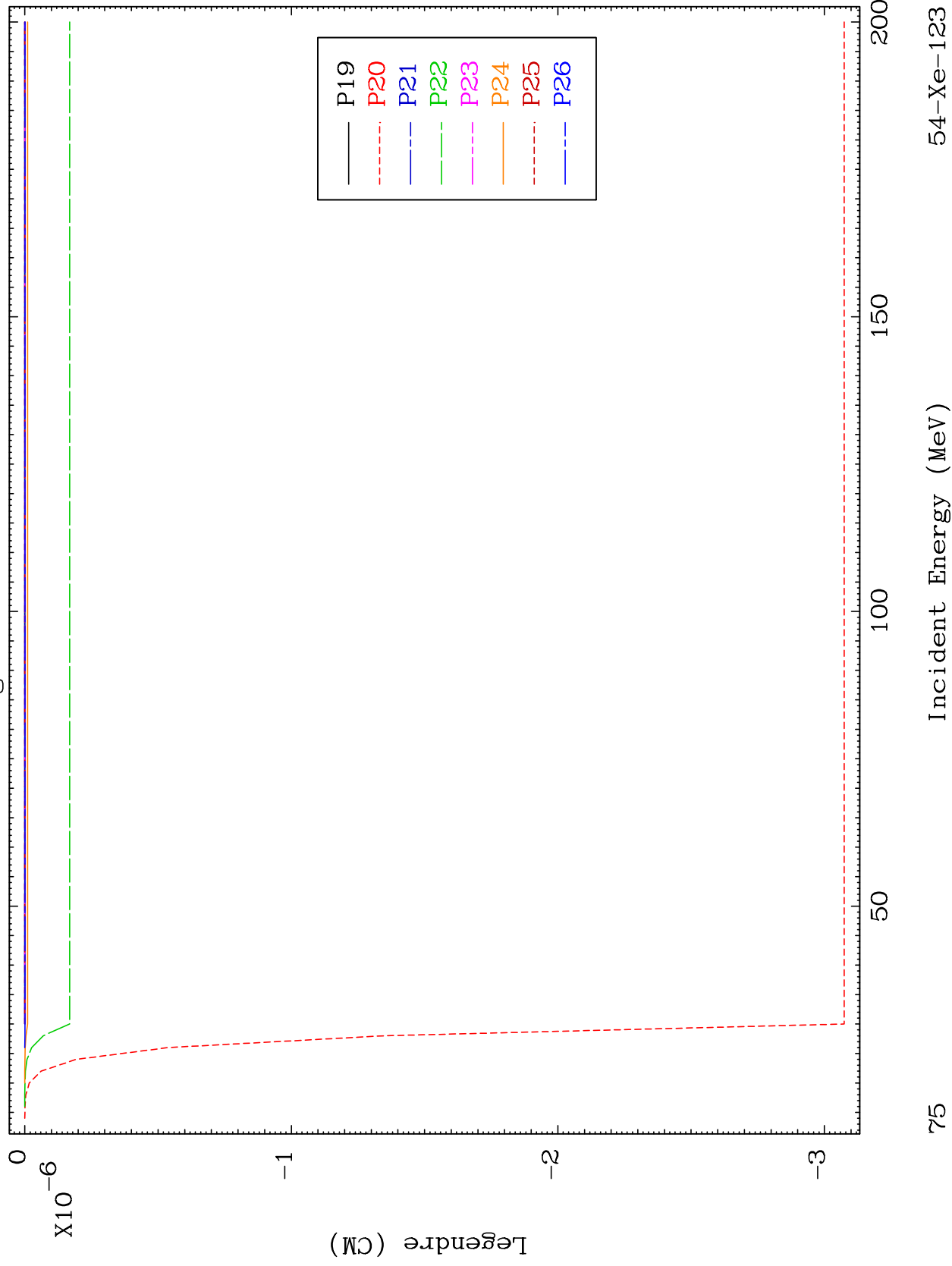
54-Xe-123



MAT 5422

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

54-Xe-123



75

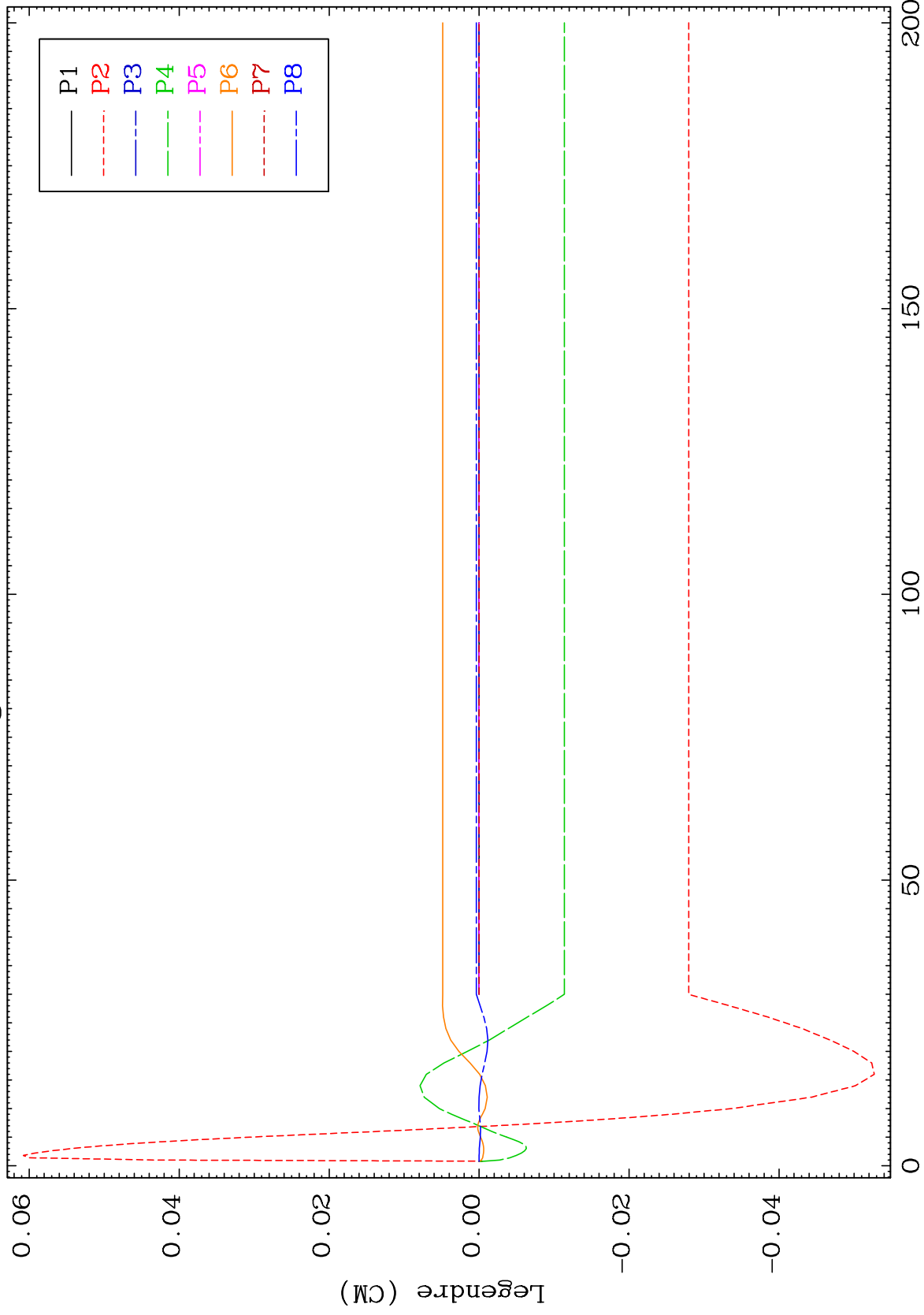
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

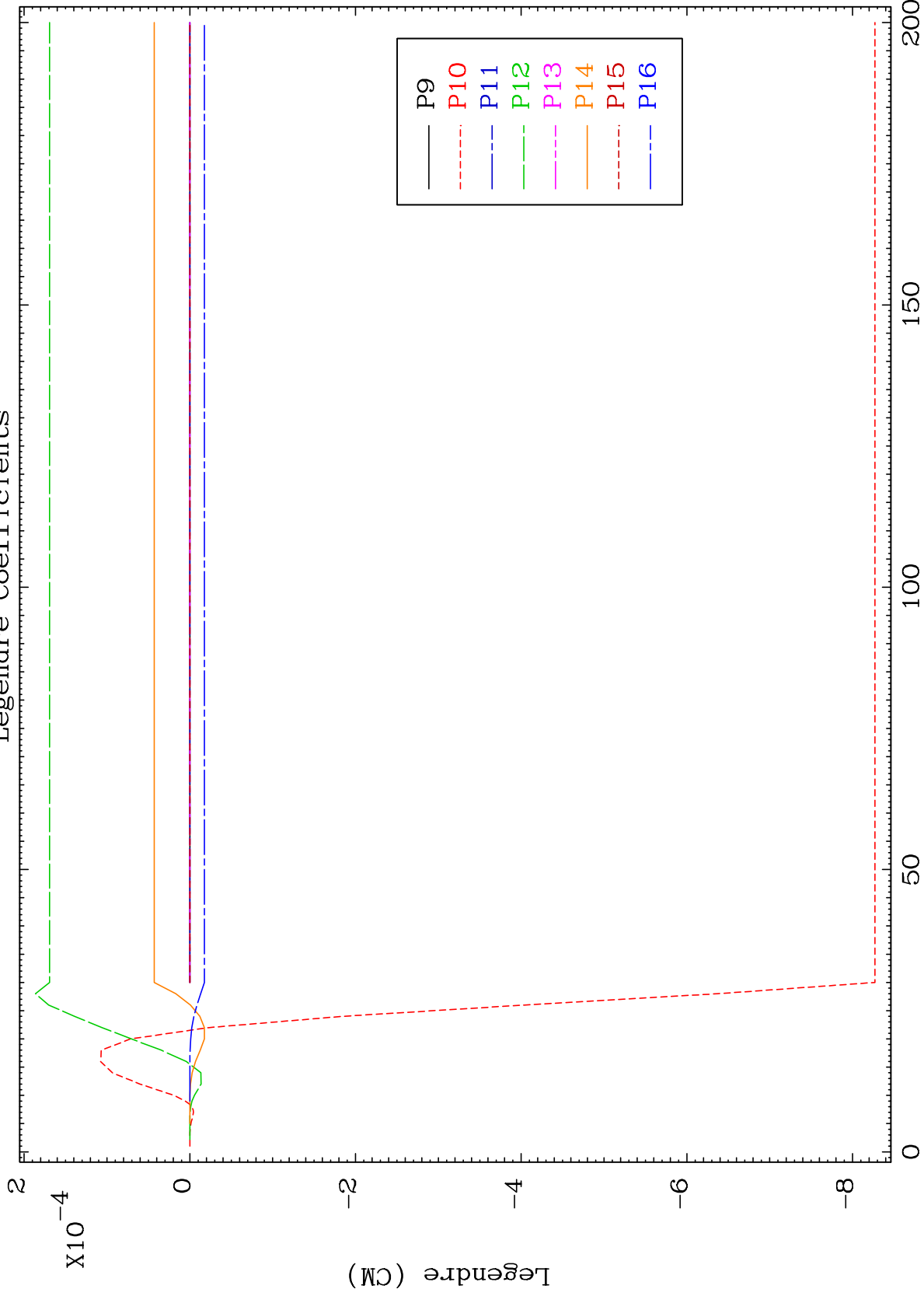
Incident Energy (MeV)

76

MAT 5422

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

54-Xe-123



77

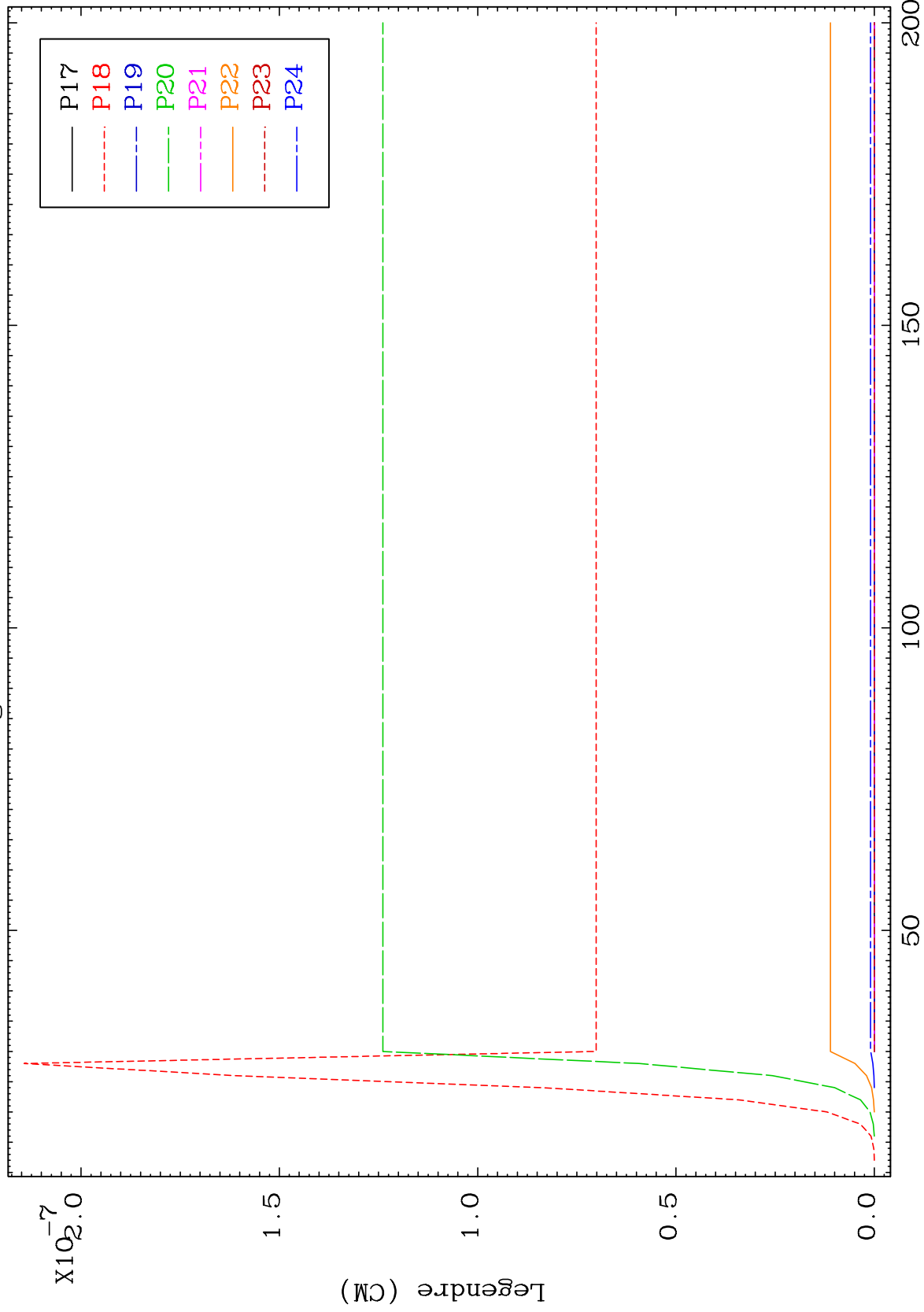
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



78

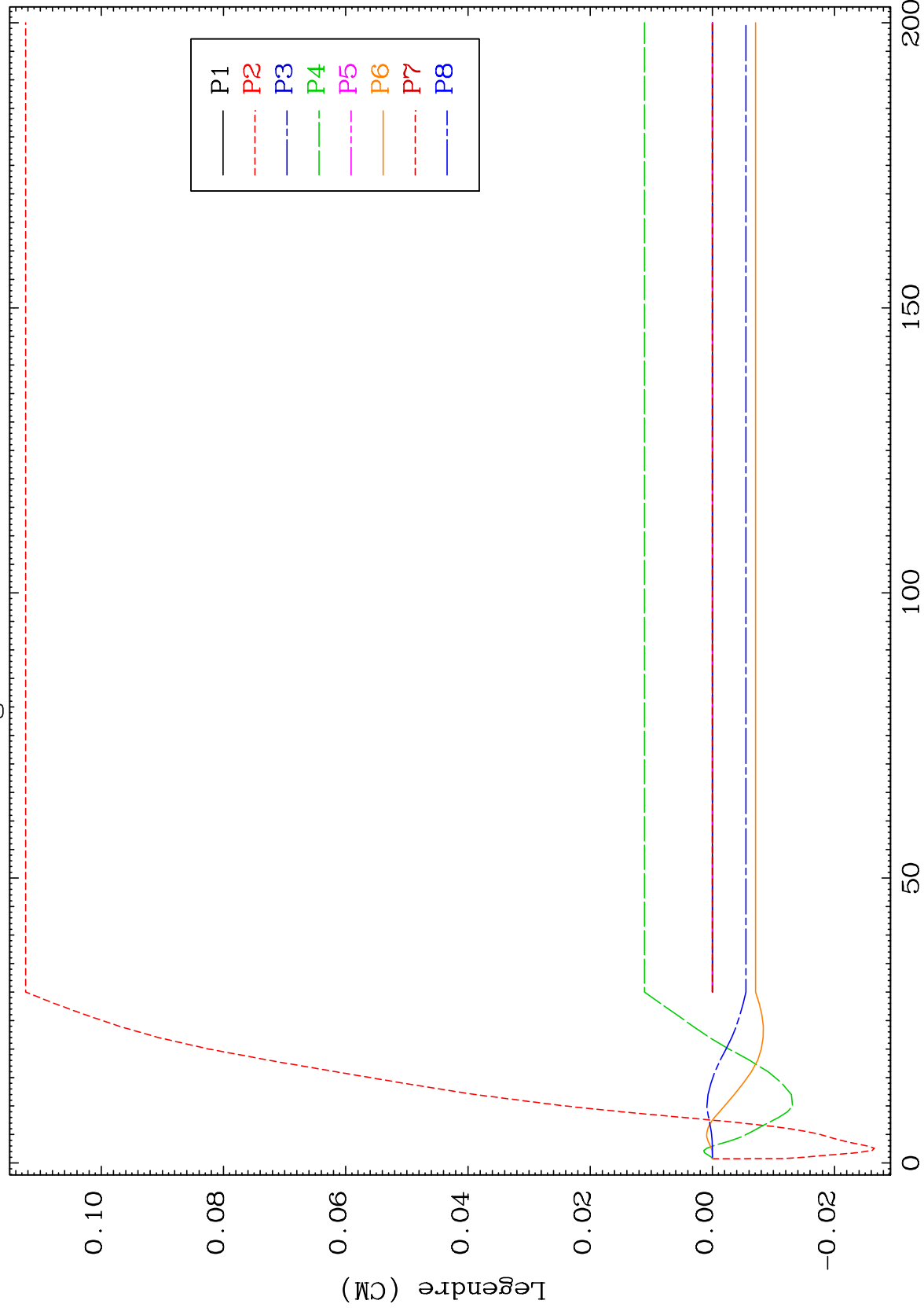
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

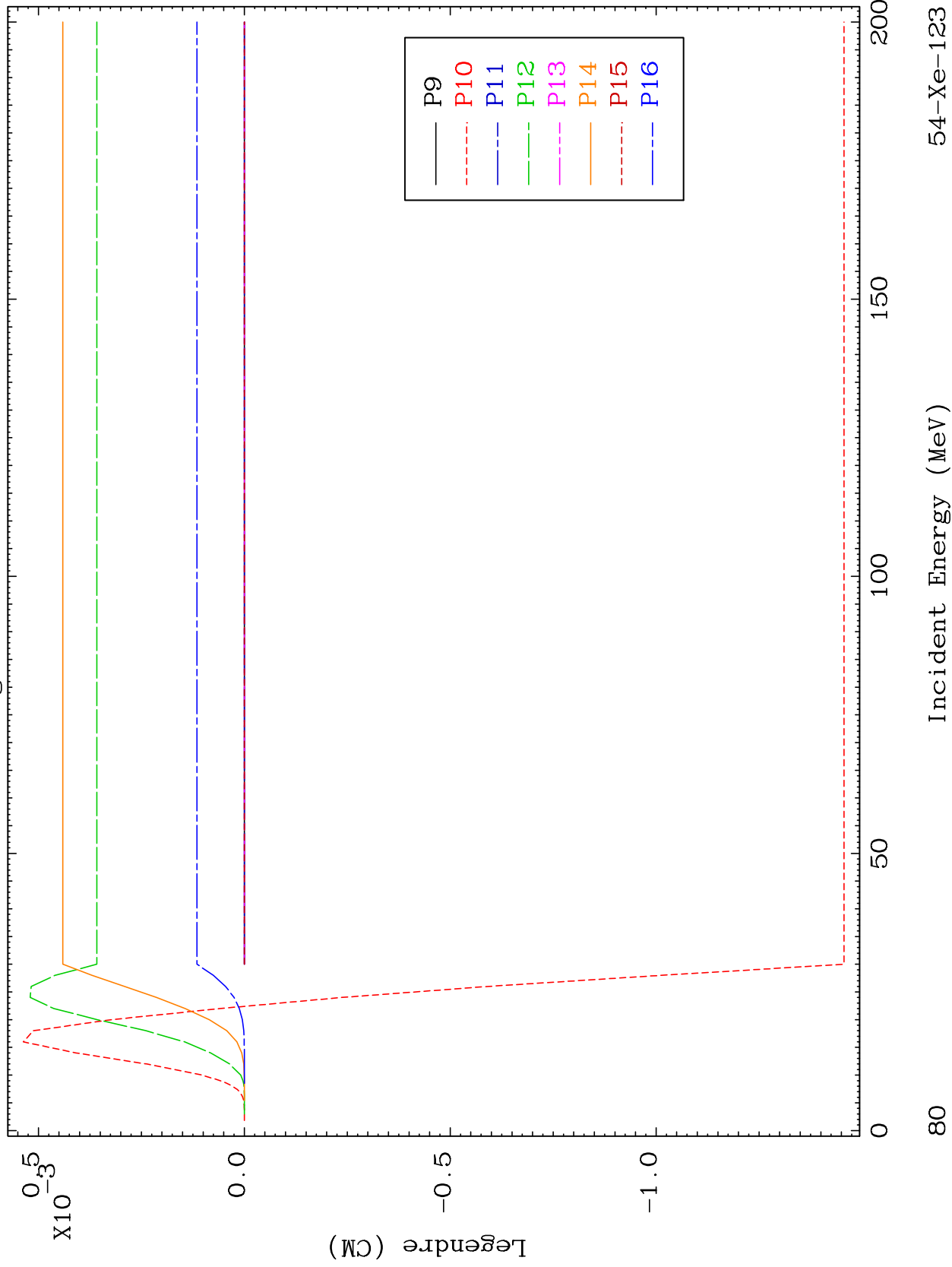
Incident Energy (MeV)

79

MAT 5422

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

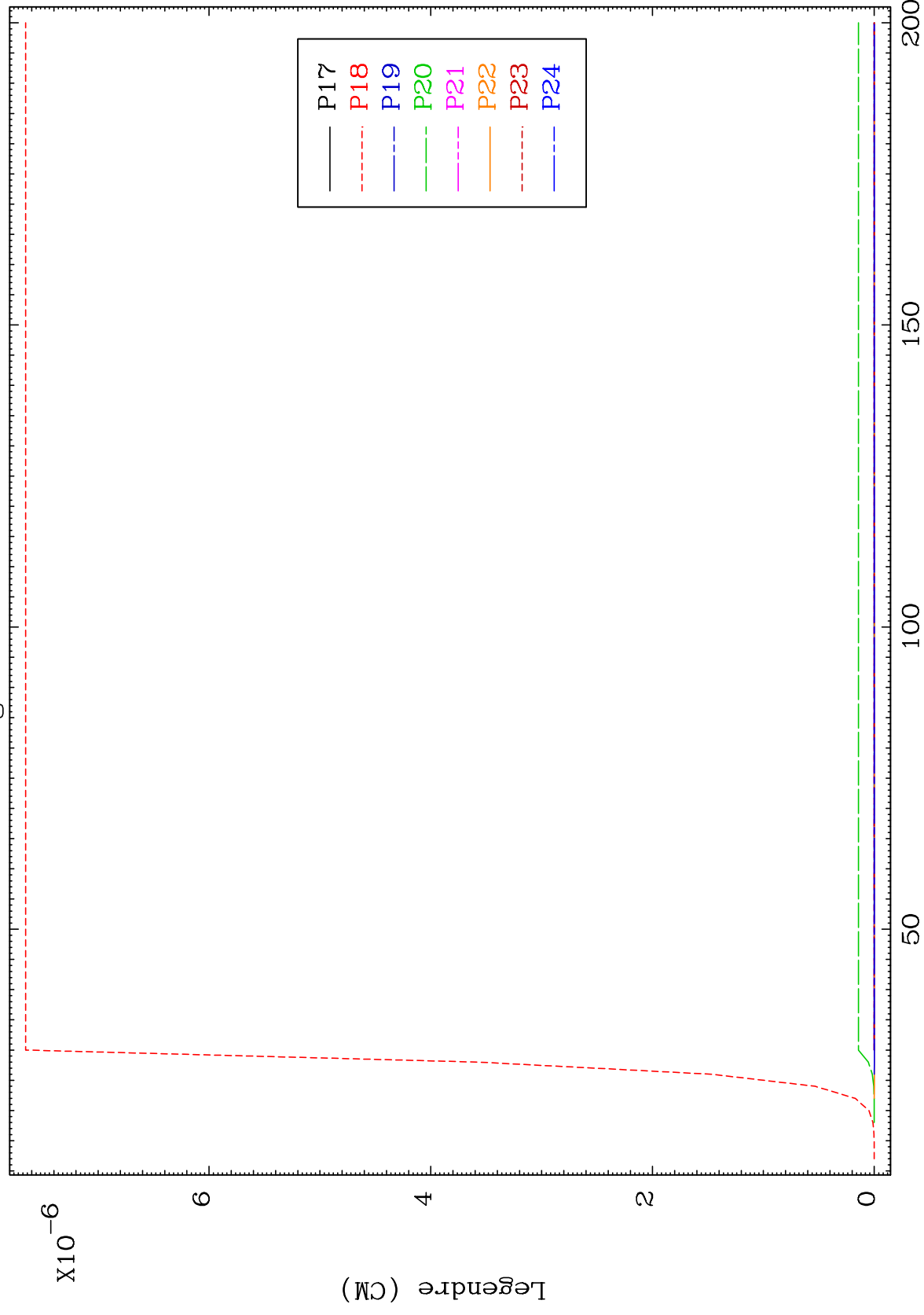
54-Xe-123



MAT 5422

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

54-Xe-123



81

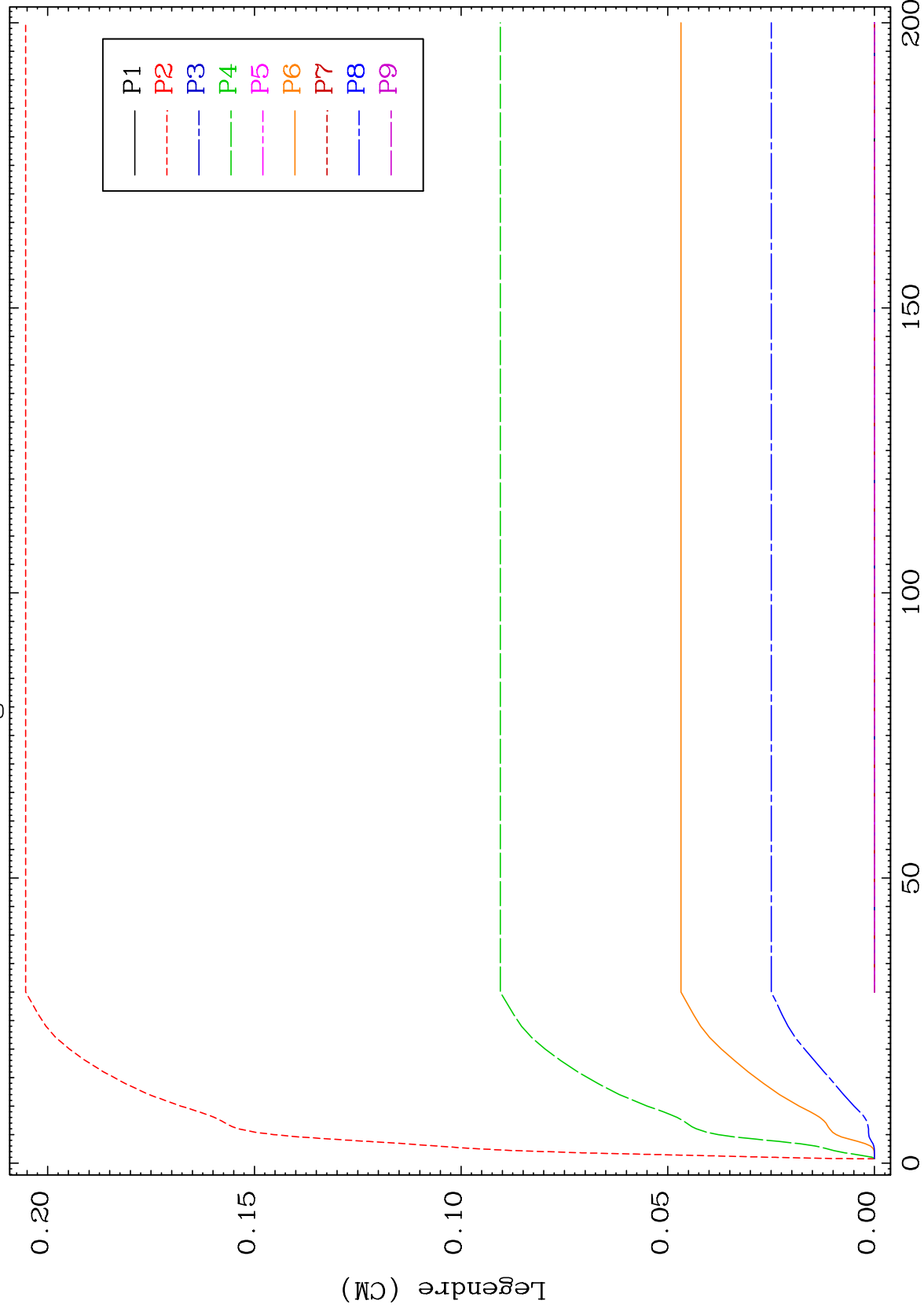
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

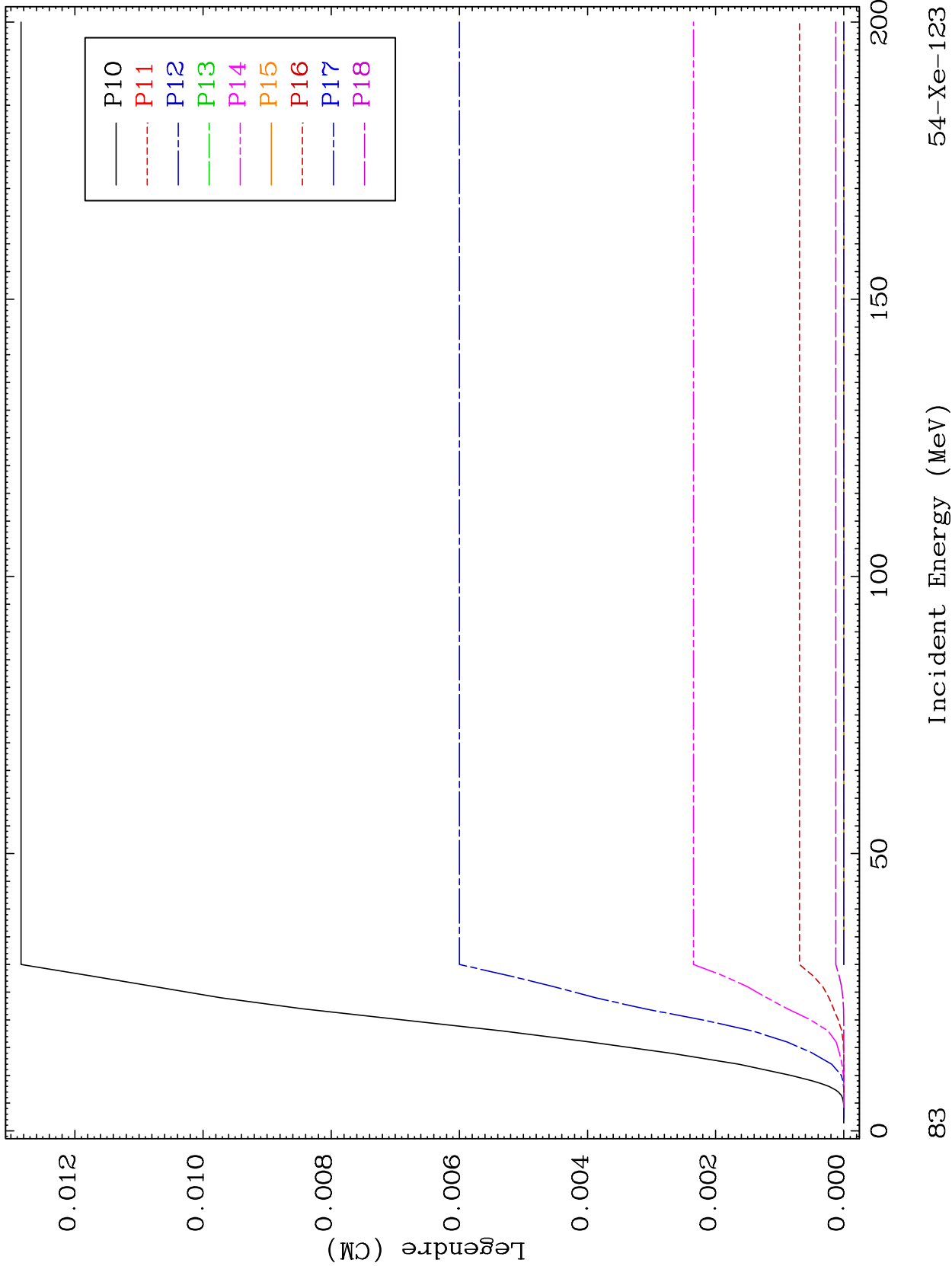
54-Xe-123



82

Incident Energy (MeV)

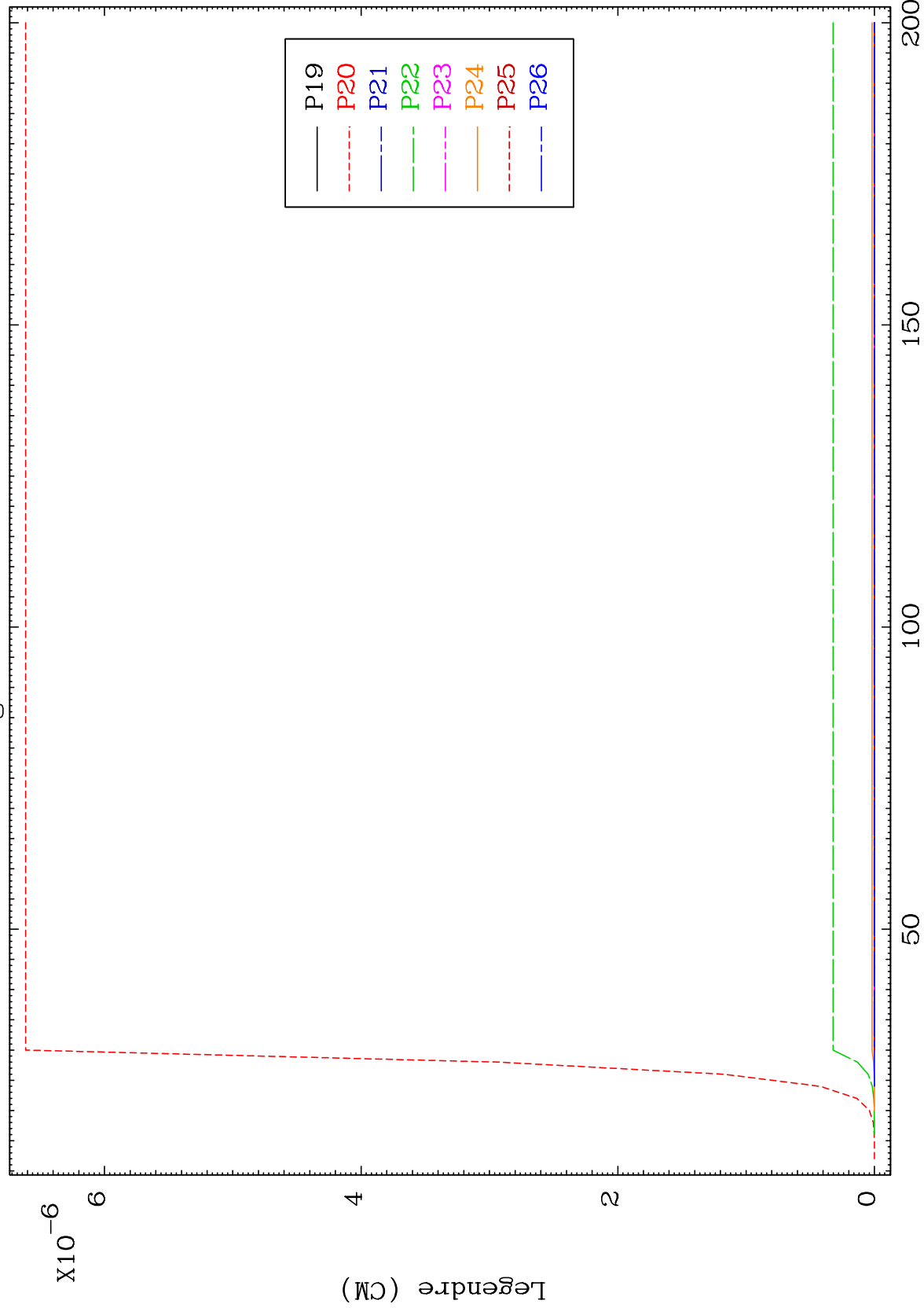
54-Xe-123



MAT 5422

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

54-Xe-123



54-Xe-123

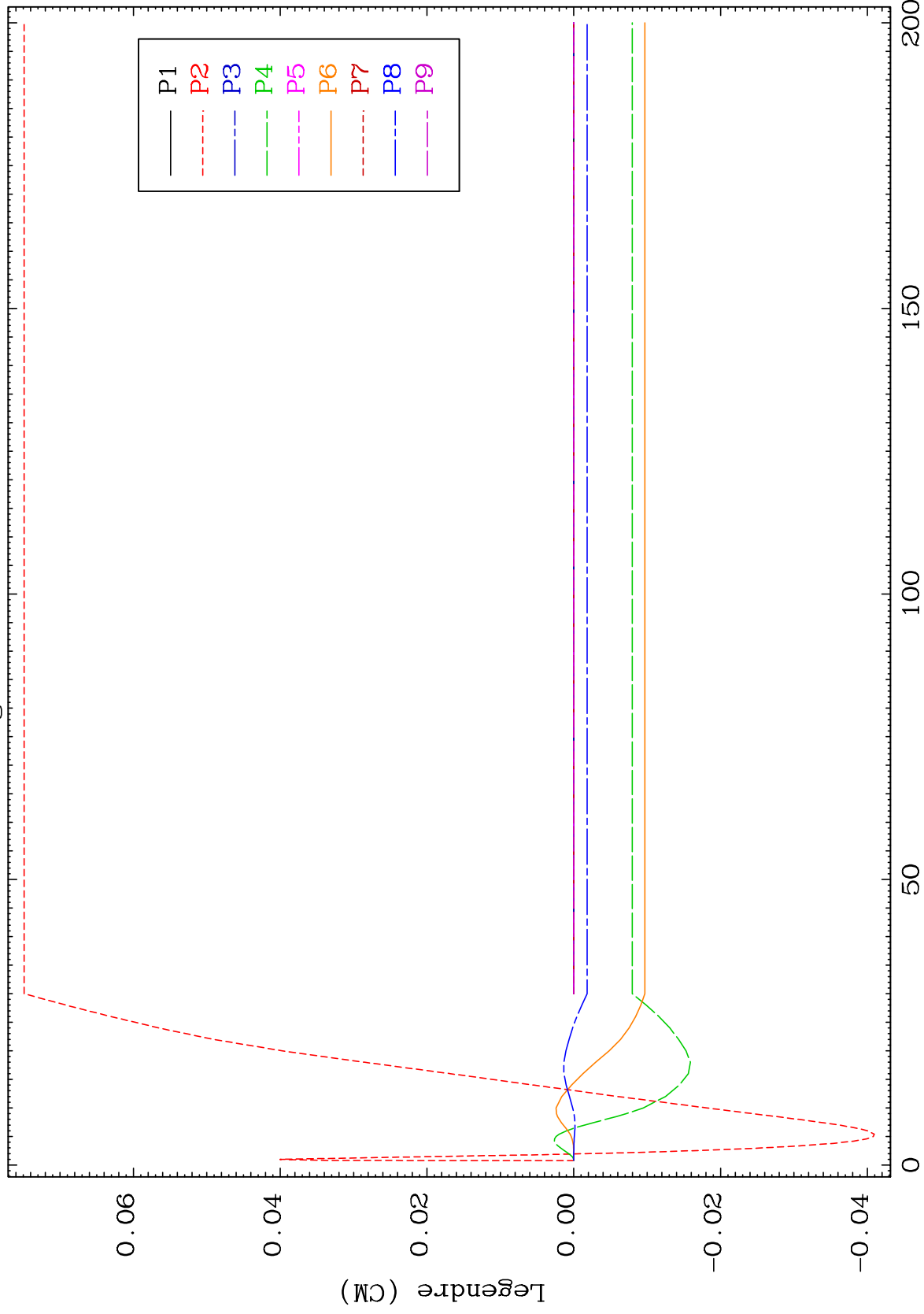
Incident Energy (MeV)

84

MAT 5422

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

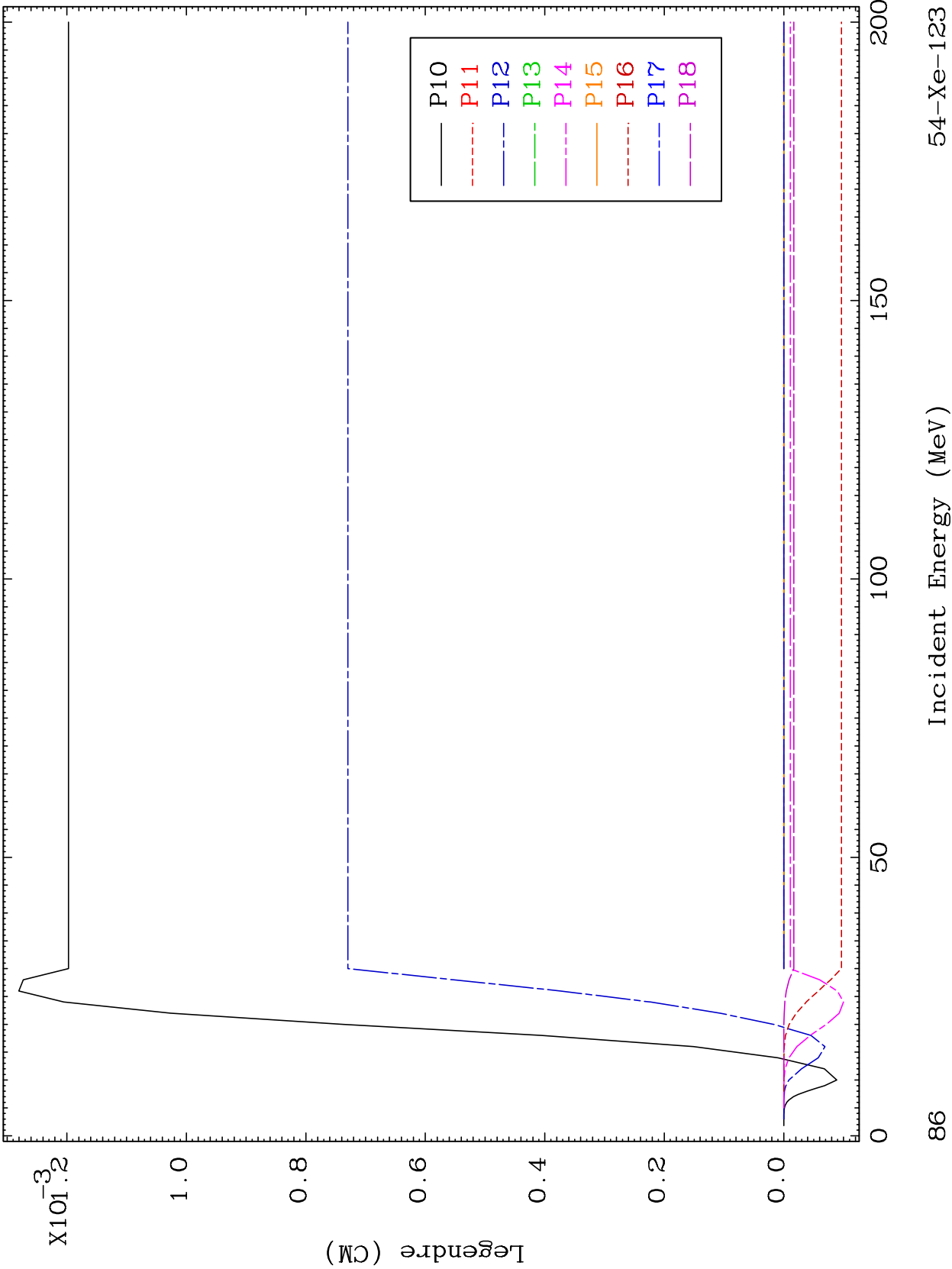
54-Xe-123



54-Xe-123

Incident Energy (MeV)

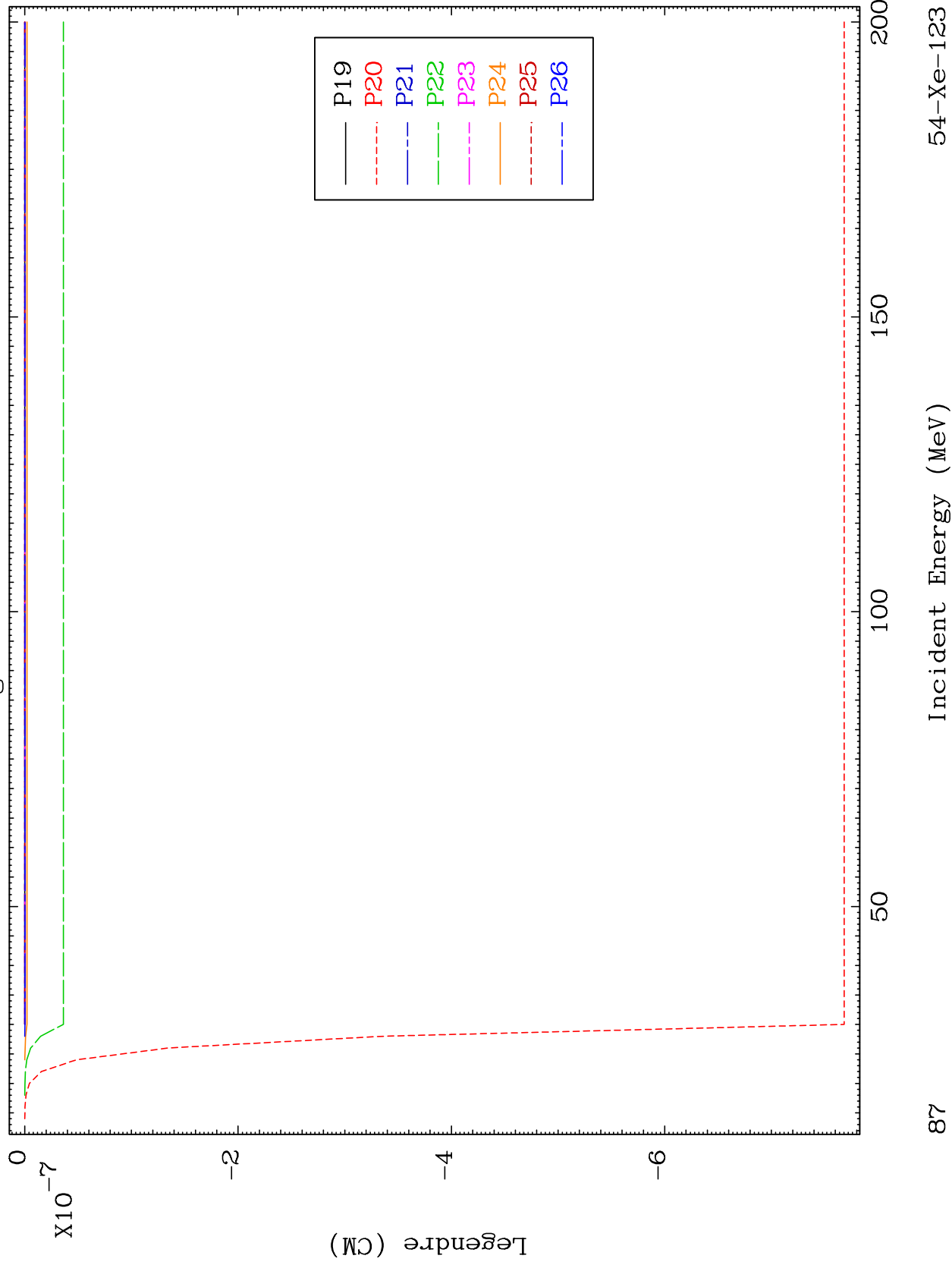
85



MAT 5422

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

54-Xe-123



87

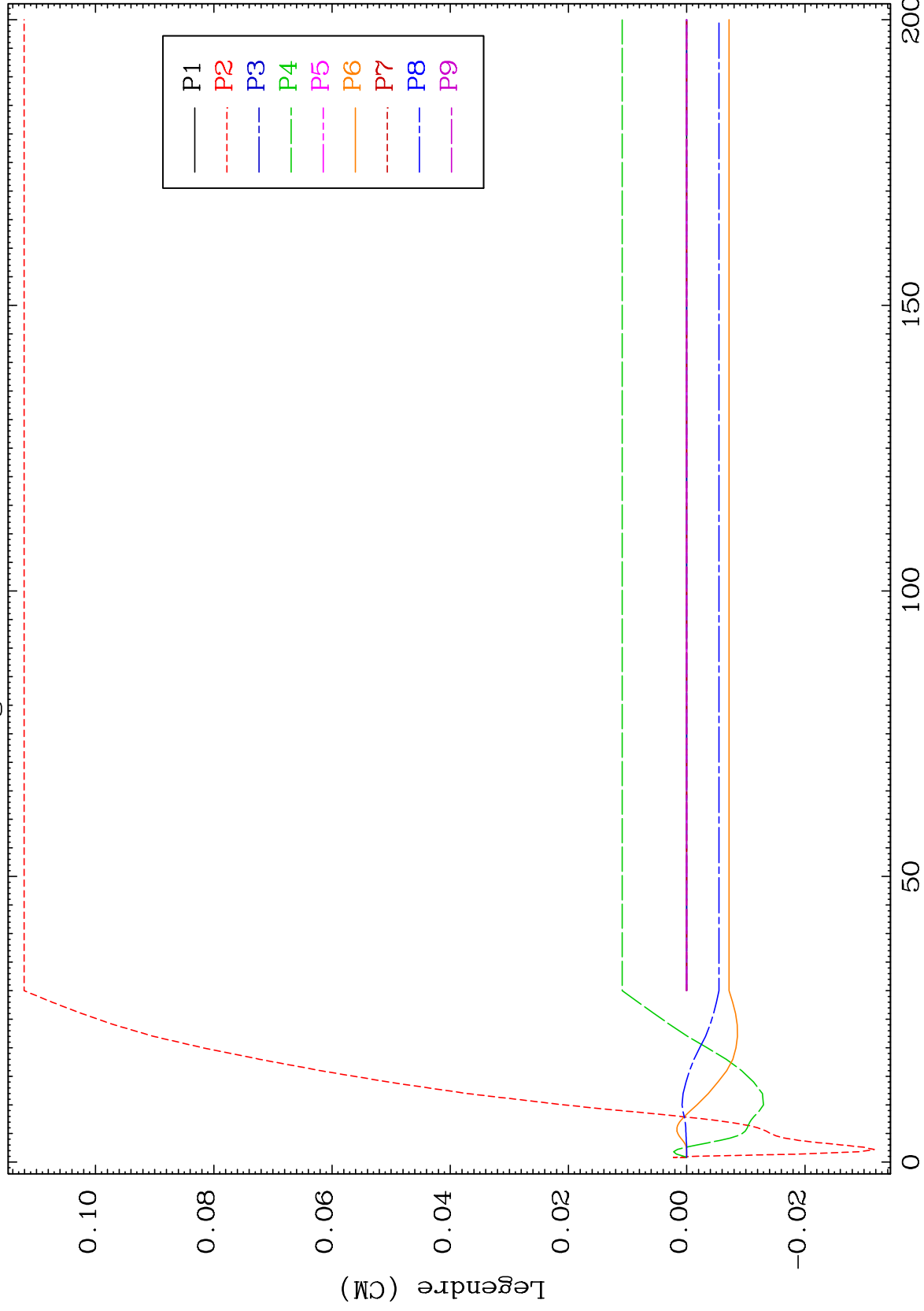
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

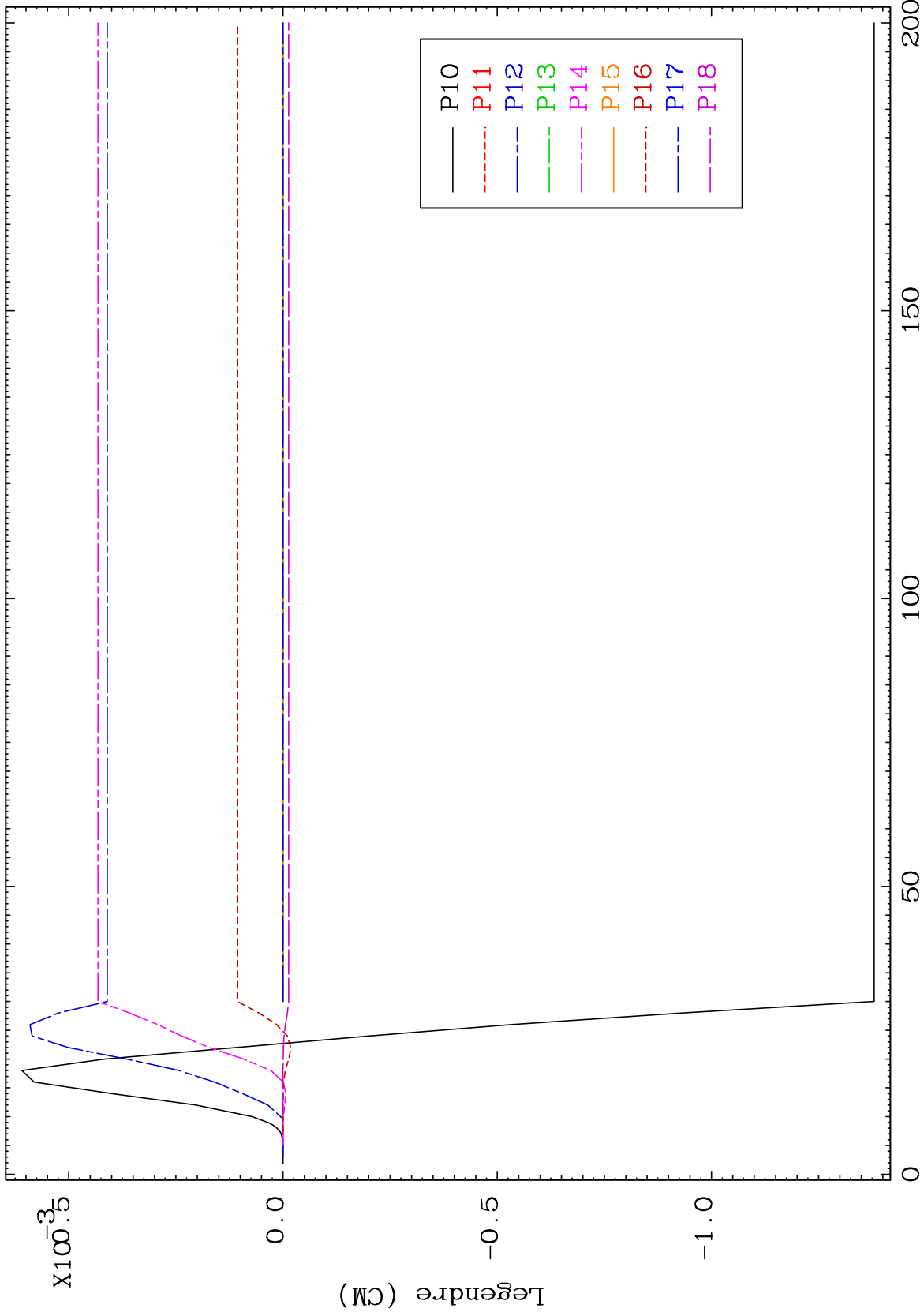
Incident Energy (MeV)

88

MAT 5422

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

54-Xe-123



89

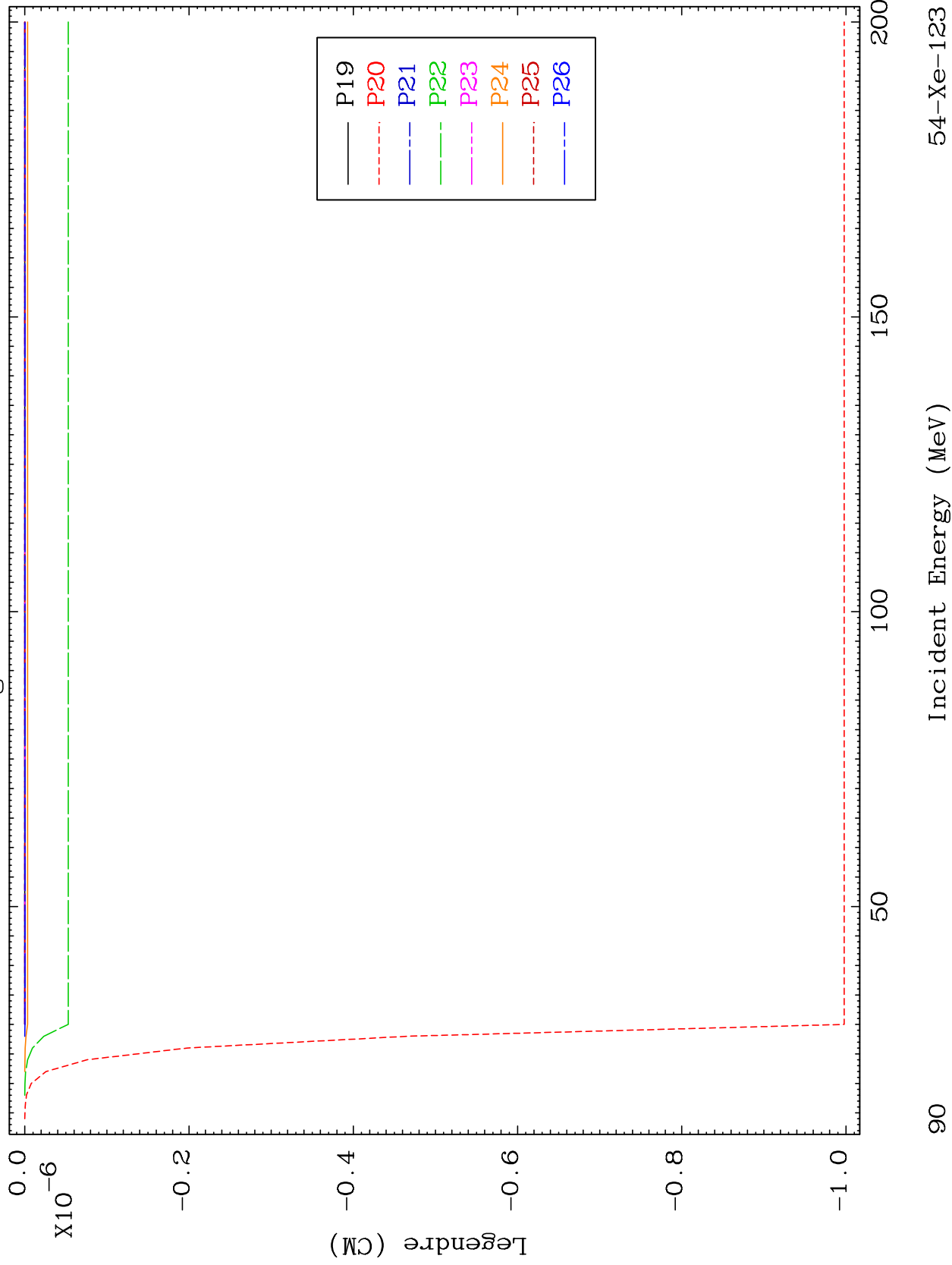
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



90

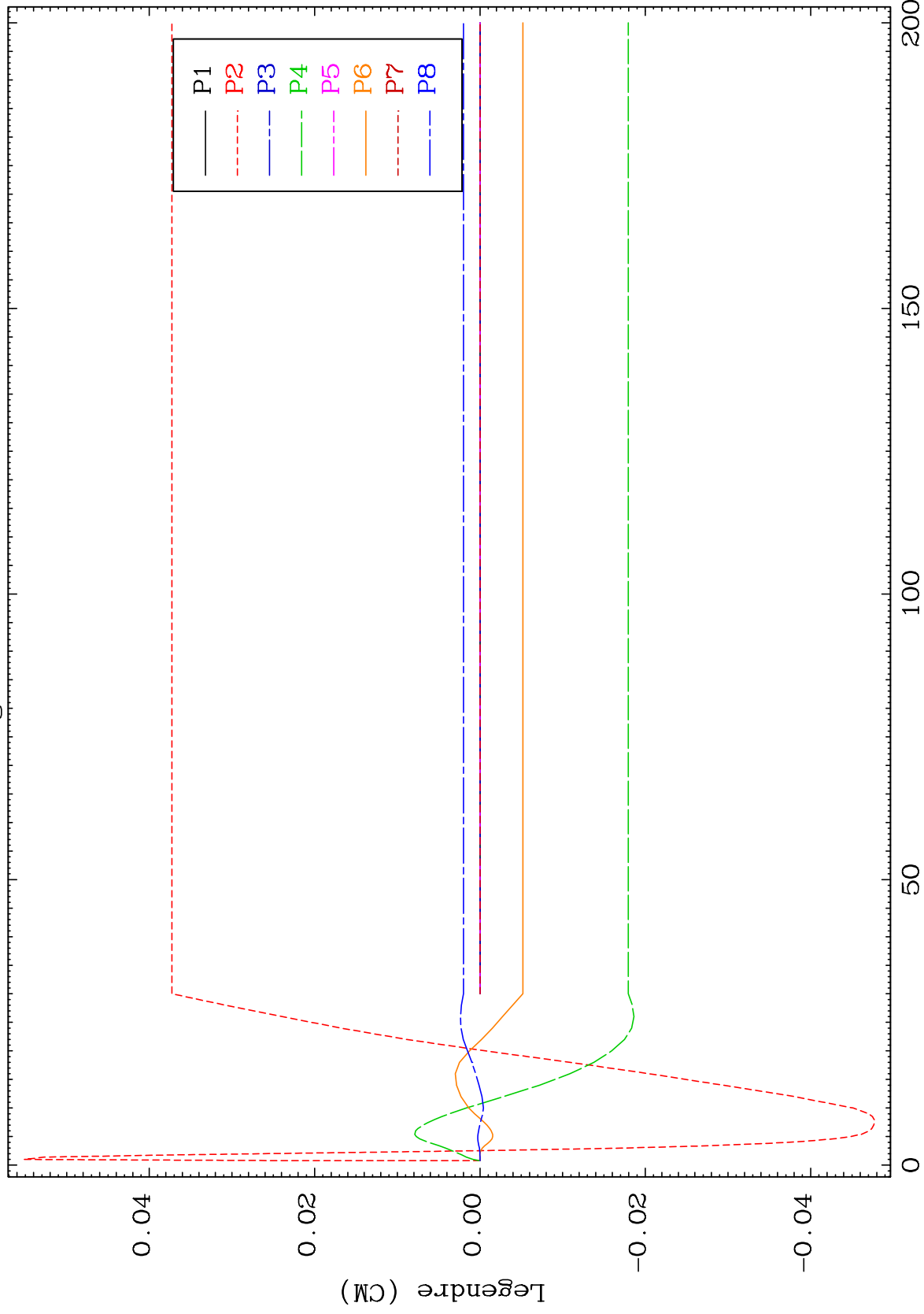
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



91

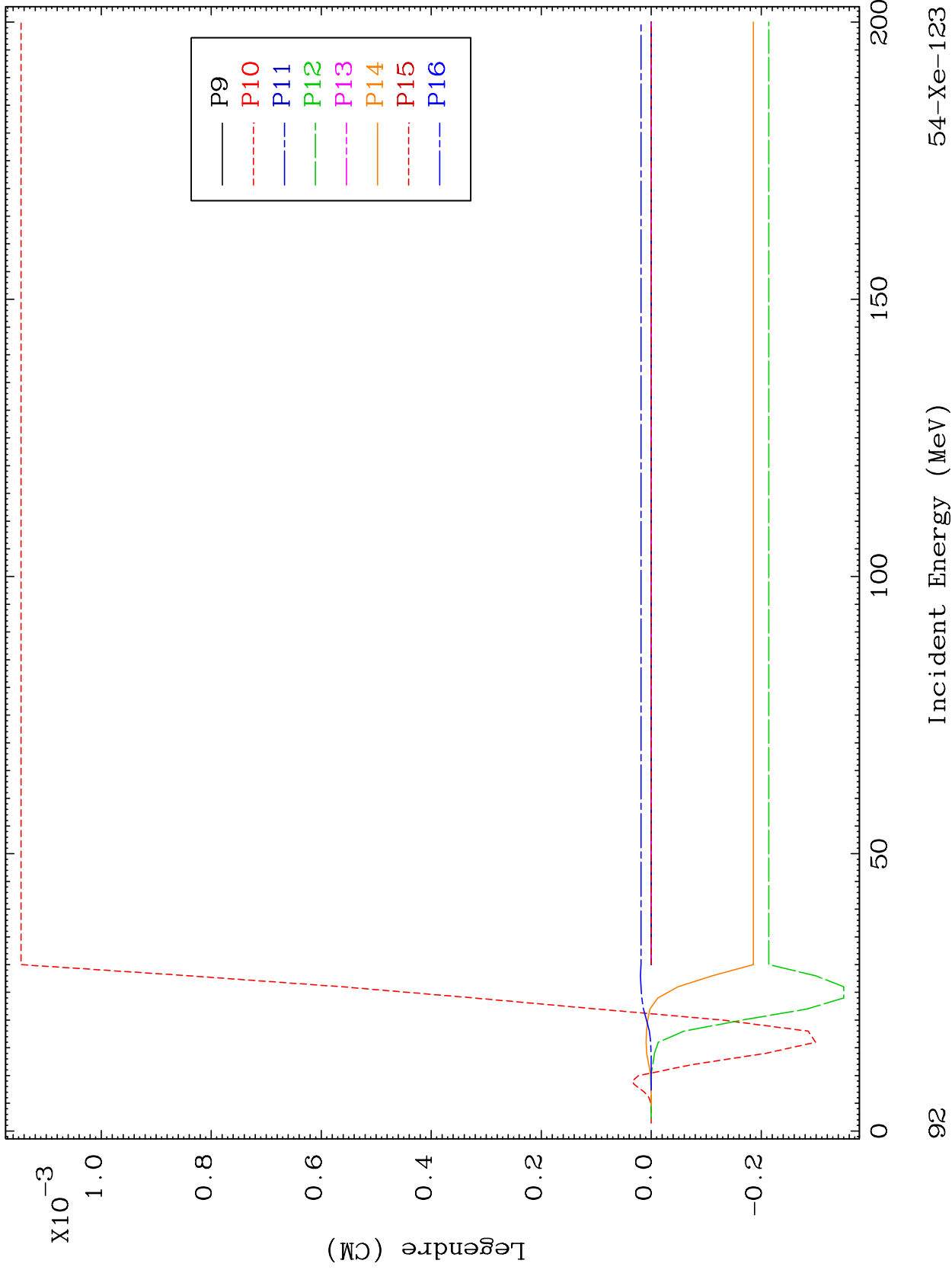
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



92

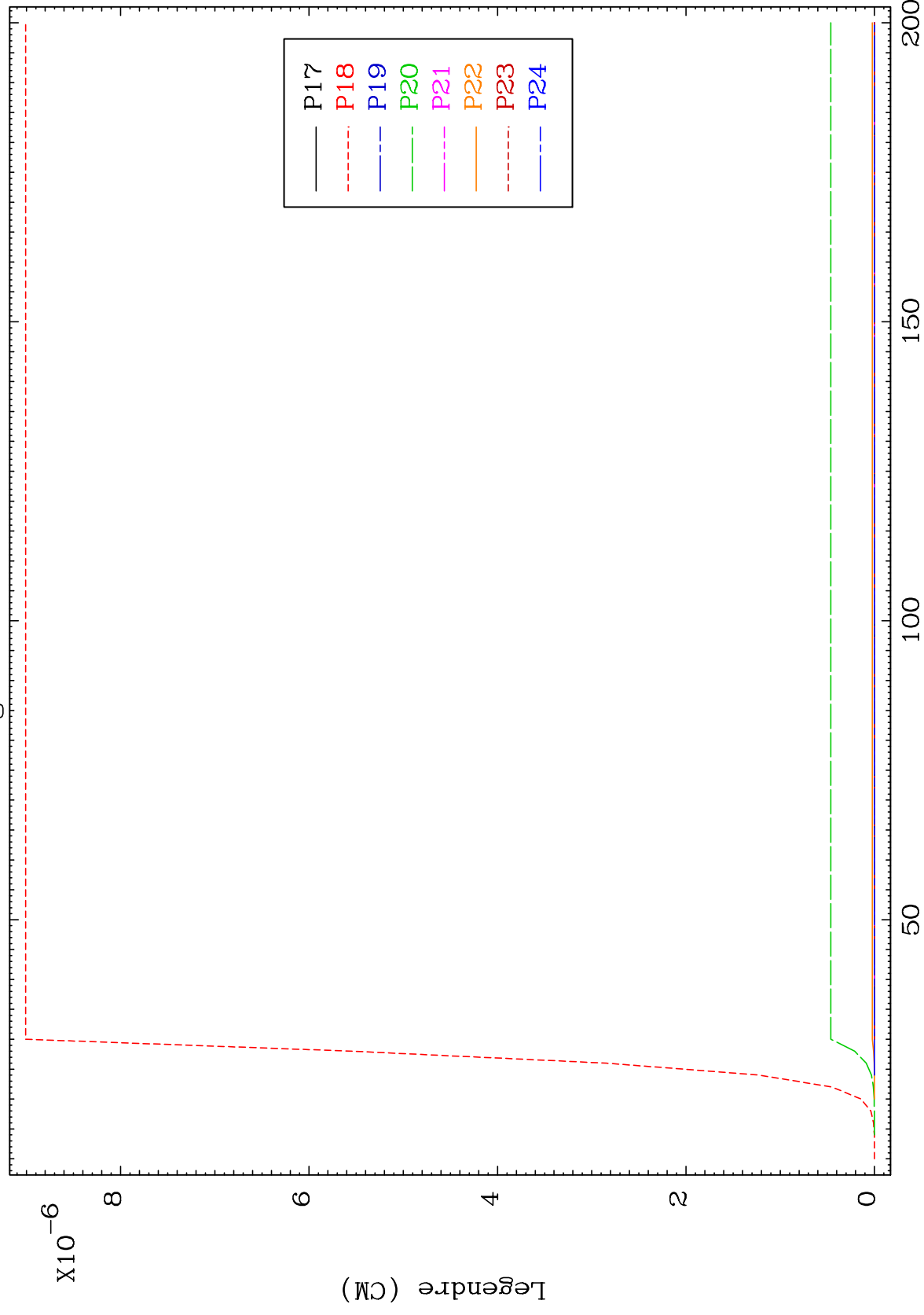
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



93

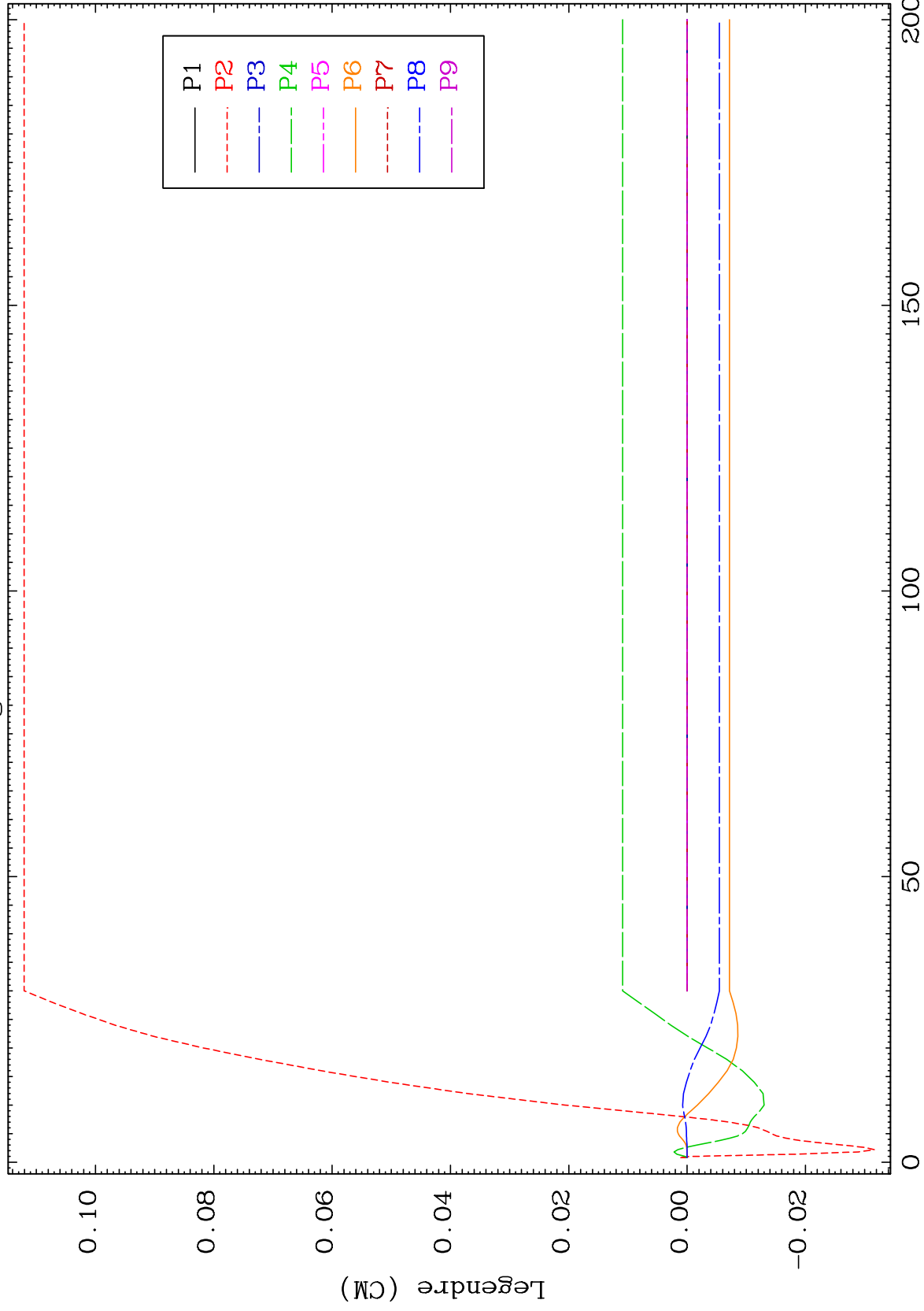
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

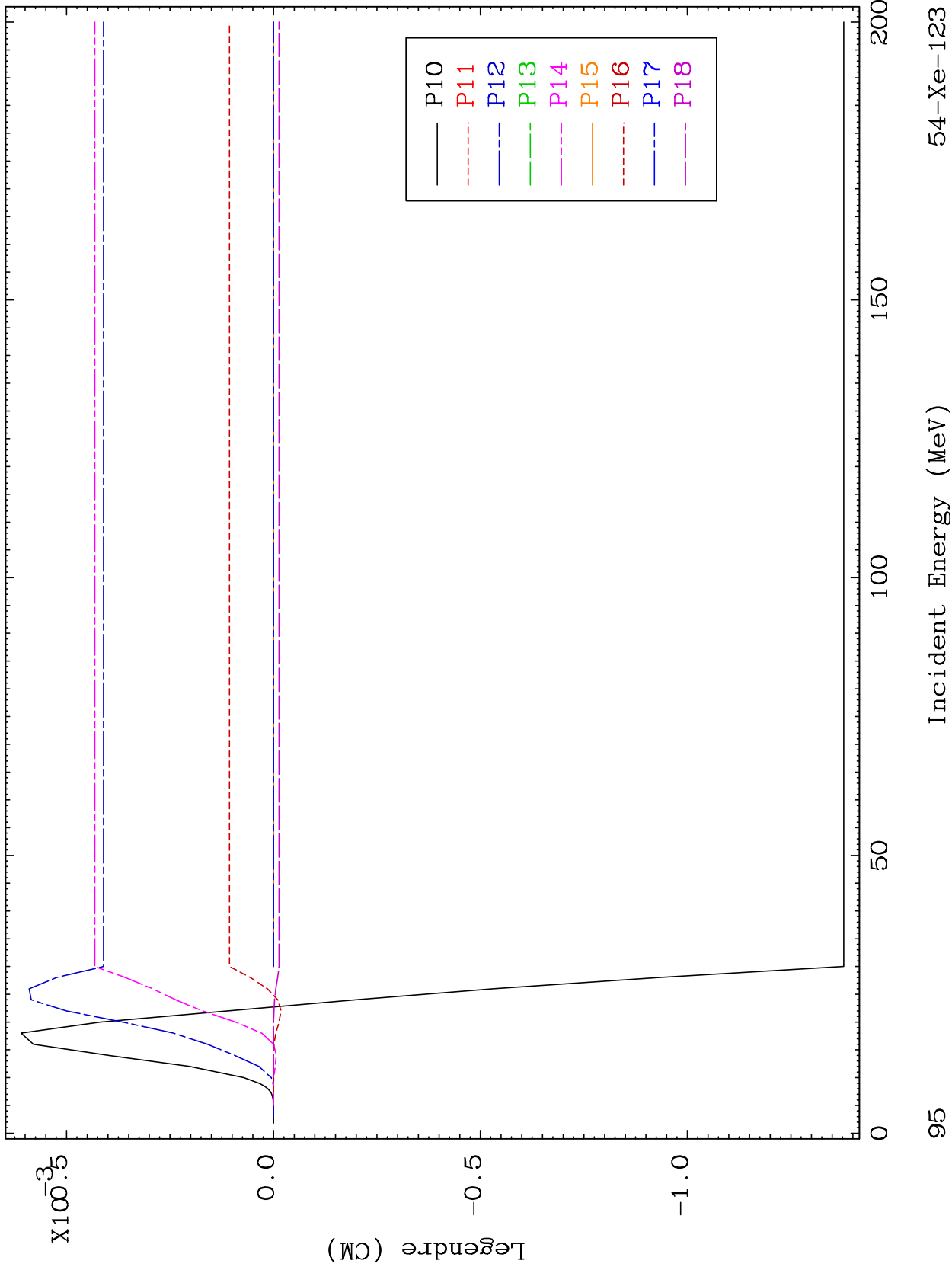
Incident Energy (MeV)

94

MAT 5422

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

54-Xe-123



54-Xe-123

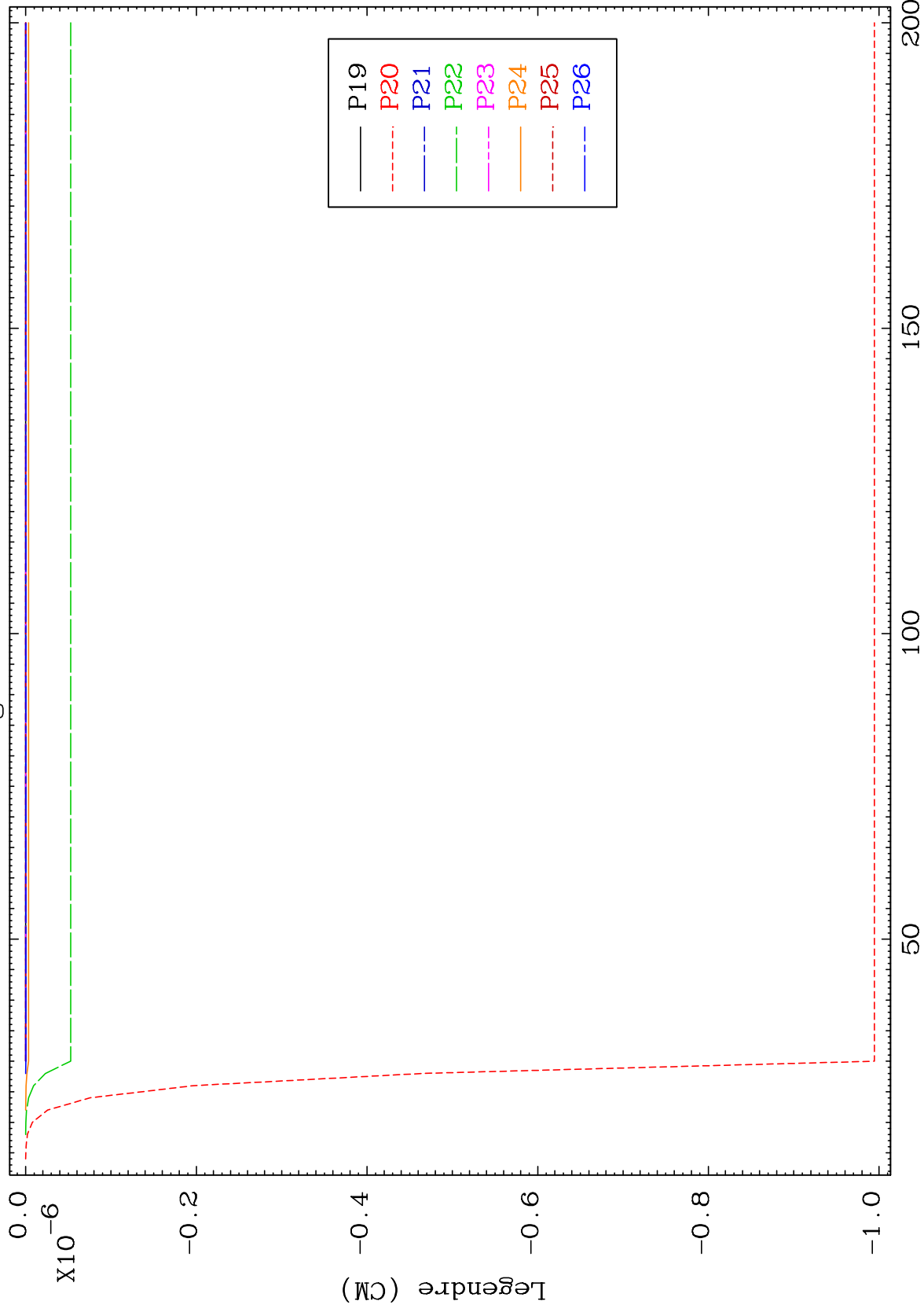
Incident Energy (MeV)

95

MAT 5422

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

54-Xe-123



96

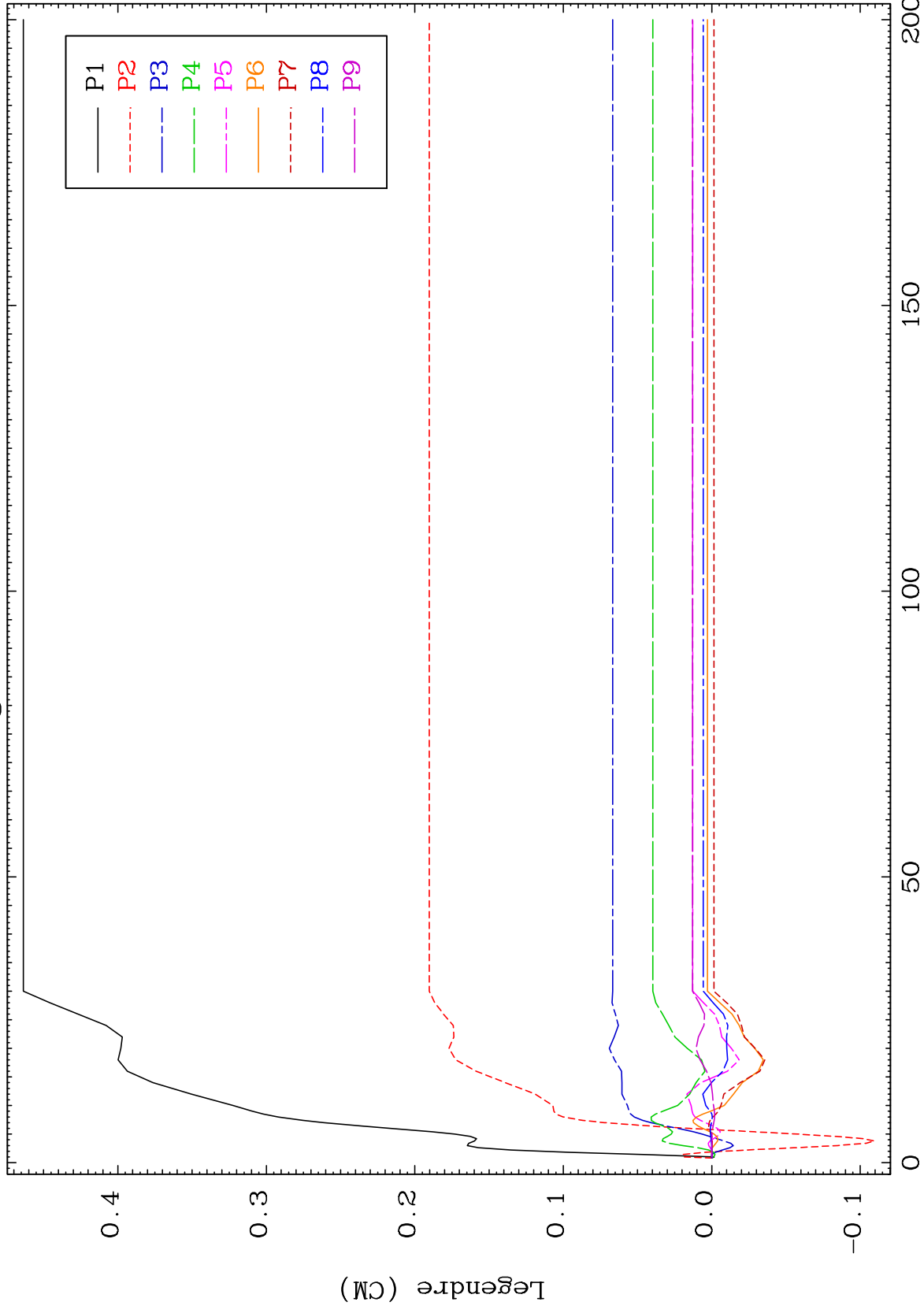
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



97

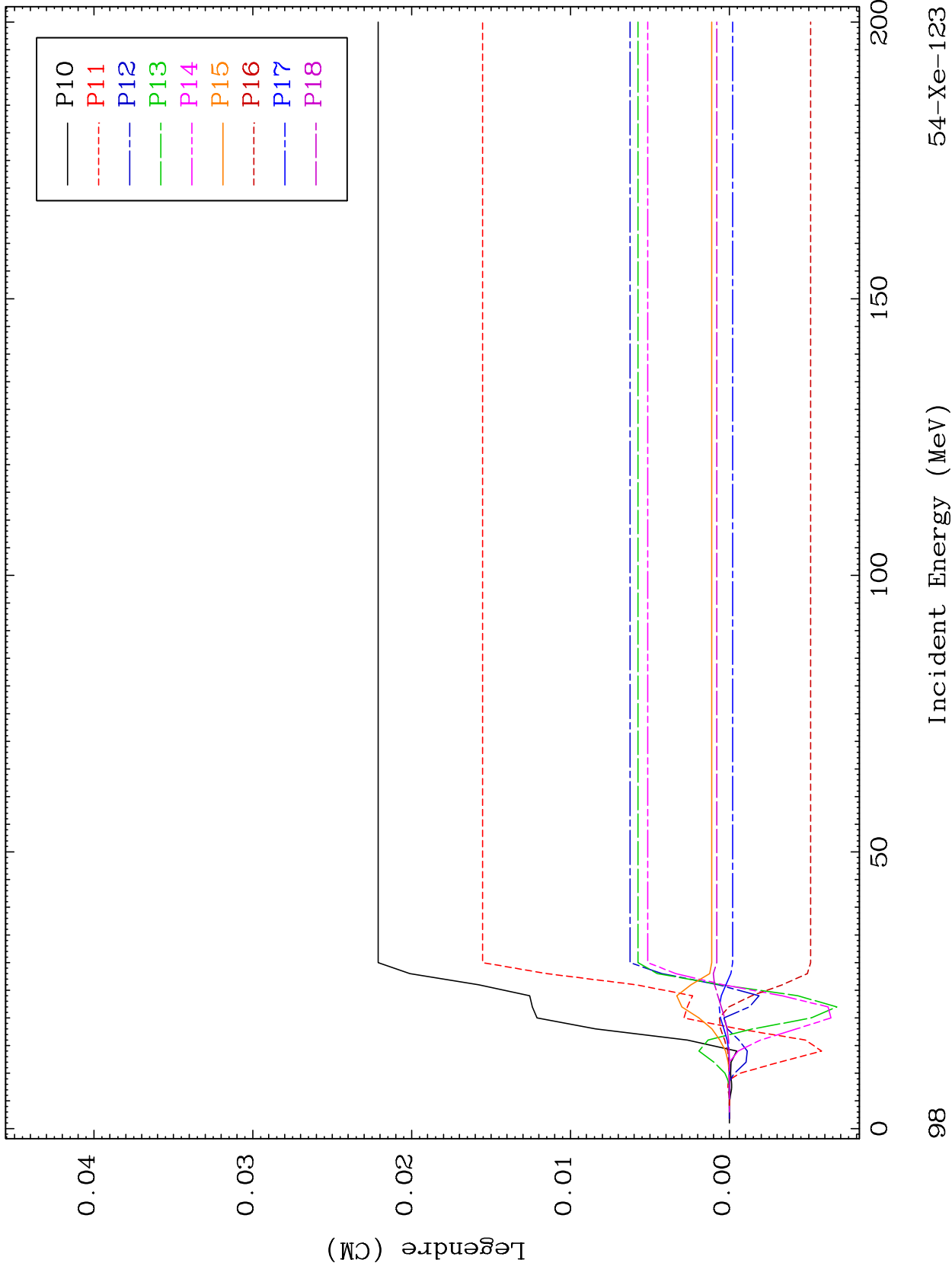
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

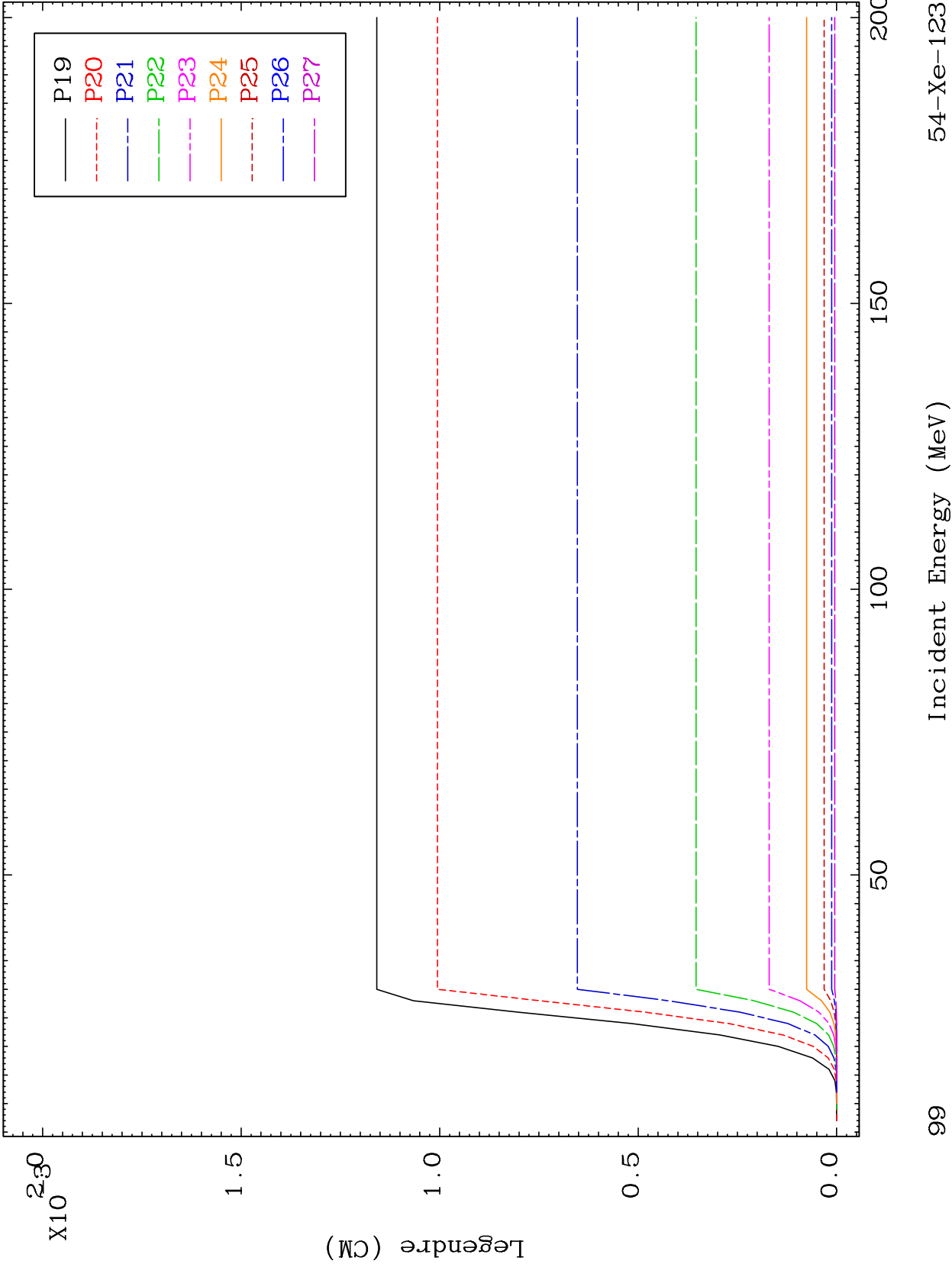
54-Xe-123



54-Xe-123

Incident Energy (MeV)

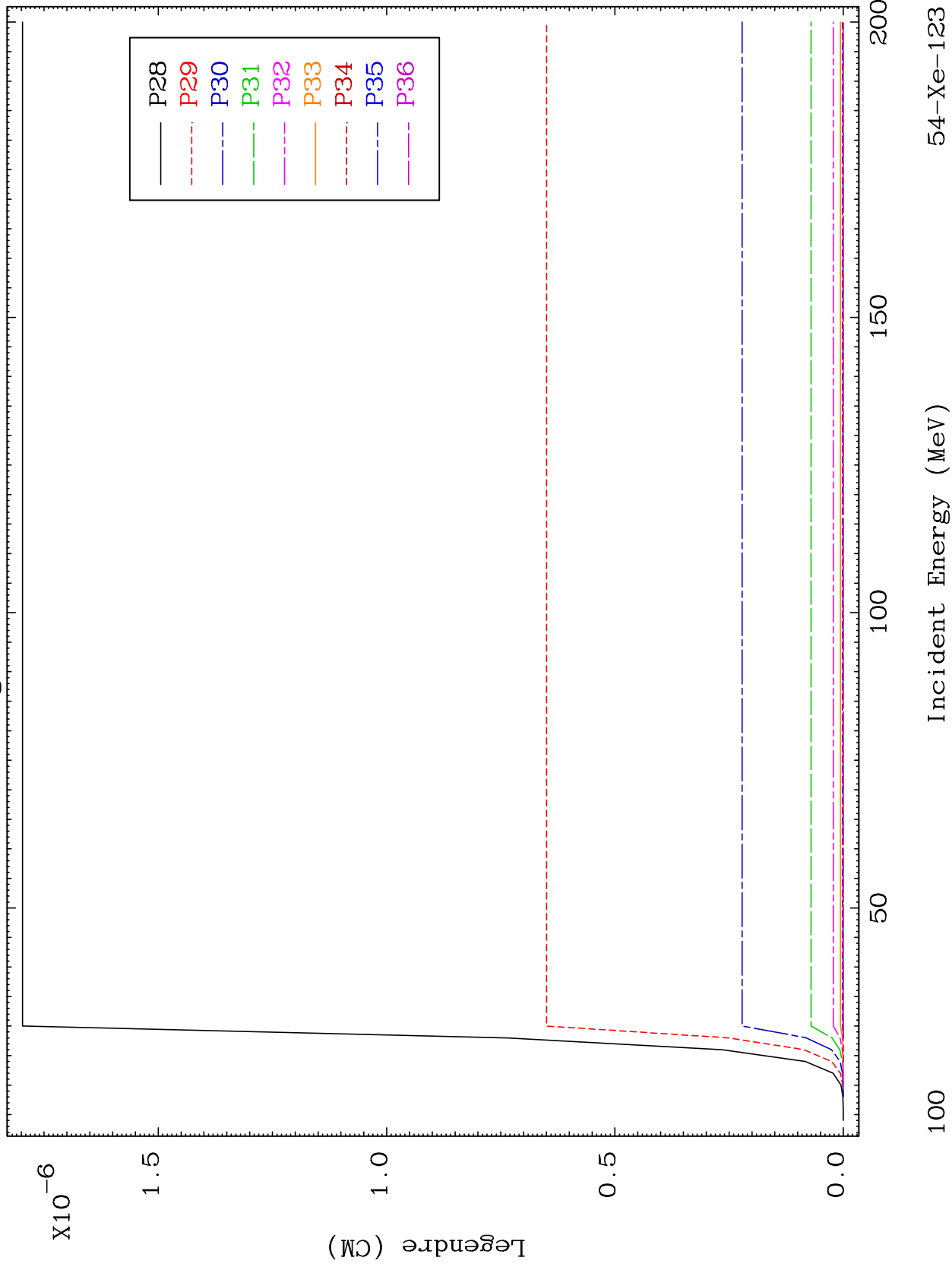
98



MAT 5422

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

54-Xe-123



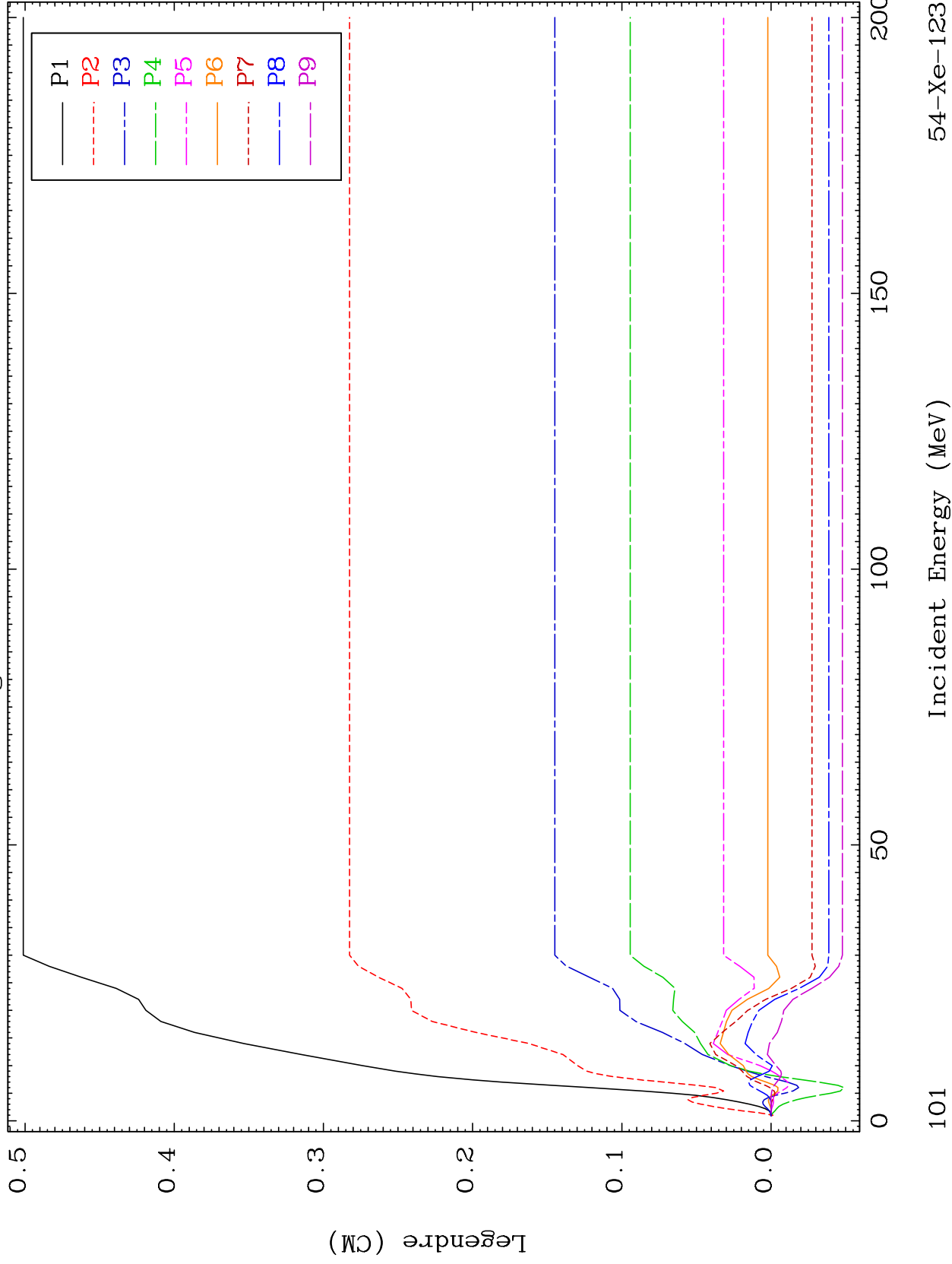
54-Xe-123

MAT 5422

MT= 77 (n,n') Level

54-Xe-123

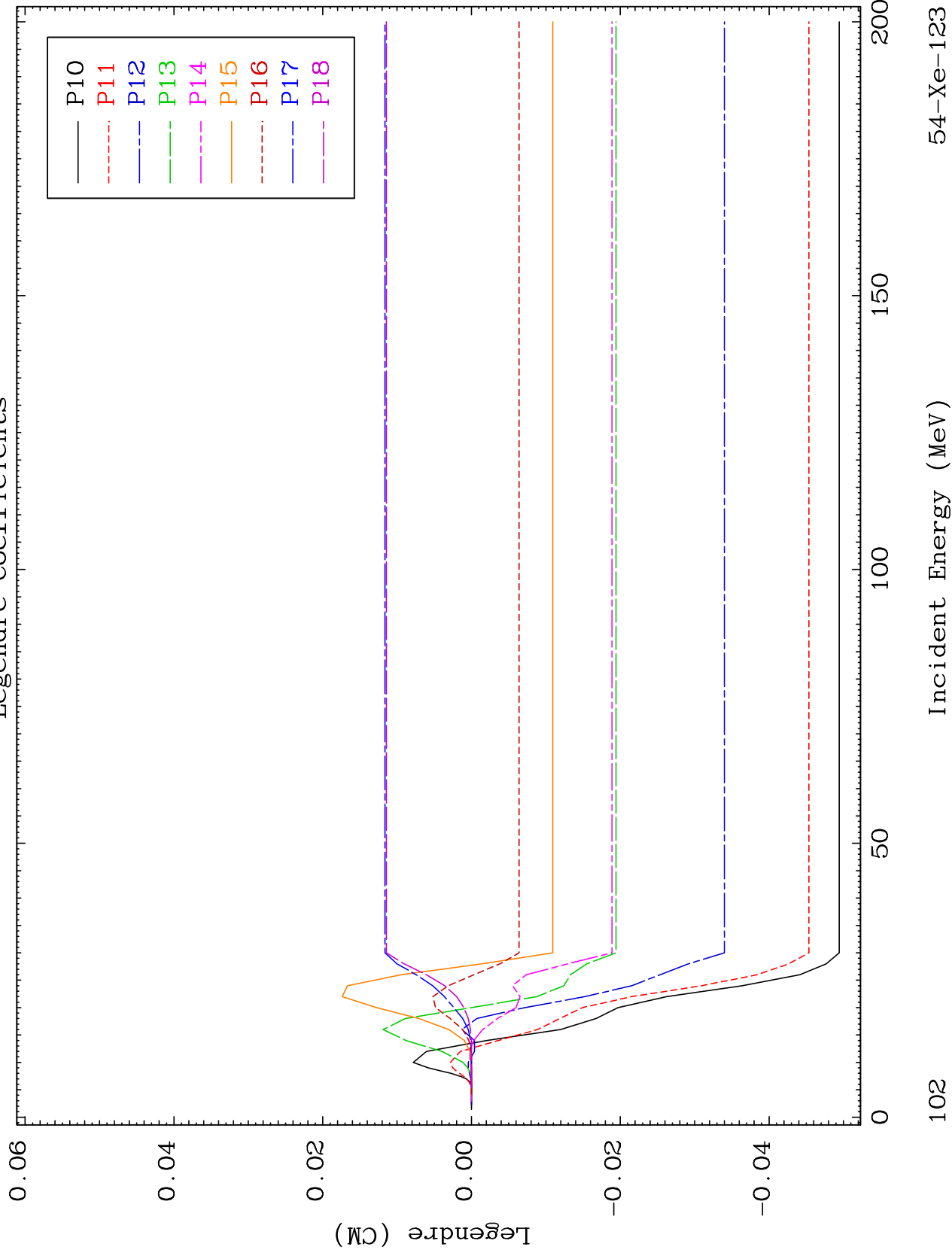
Legendre Coefficients



MAT 5422

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

54-Xe-123



102

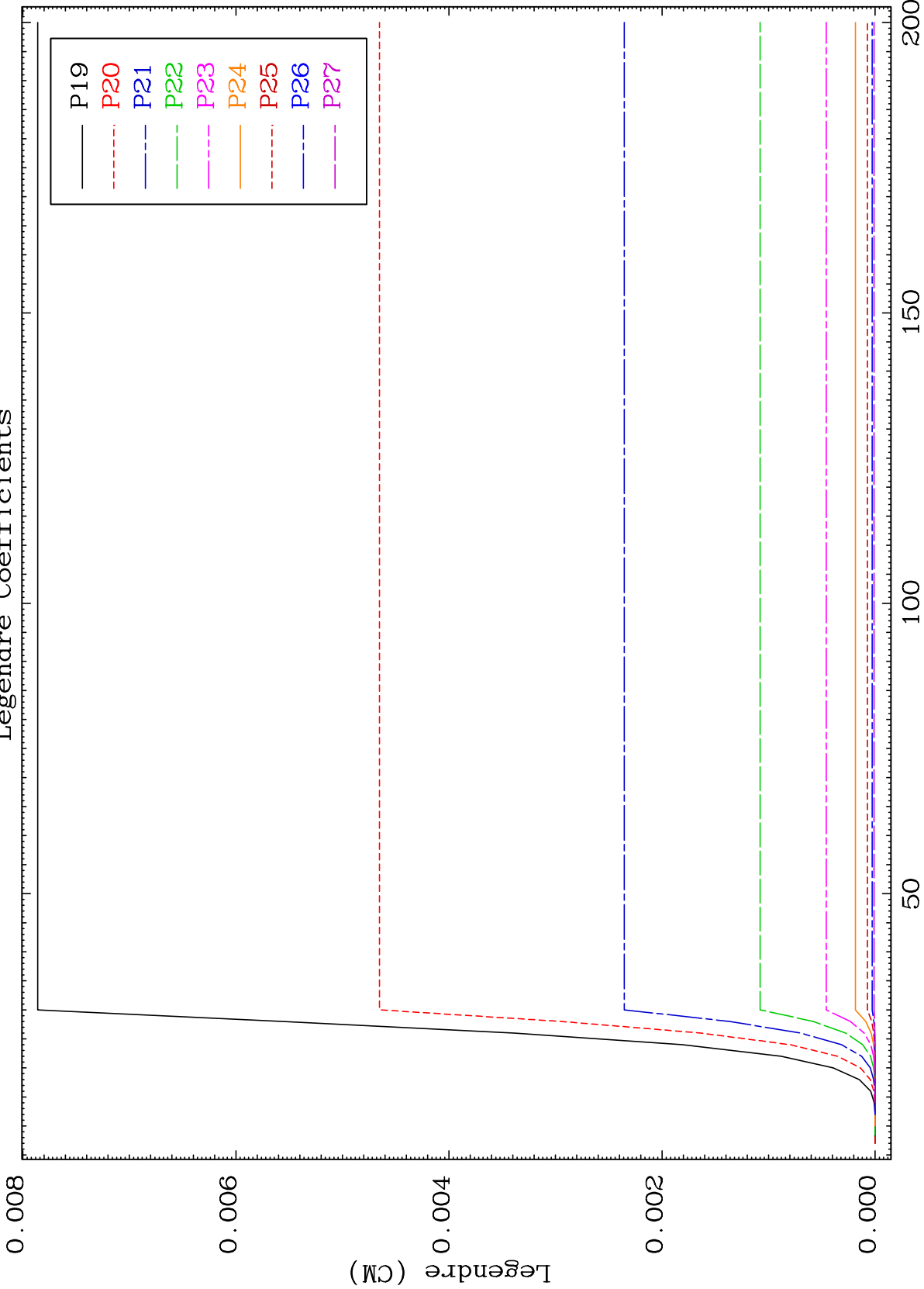
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



103

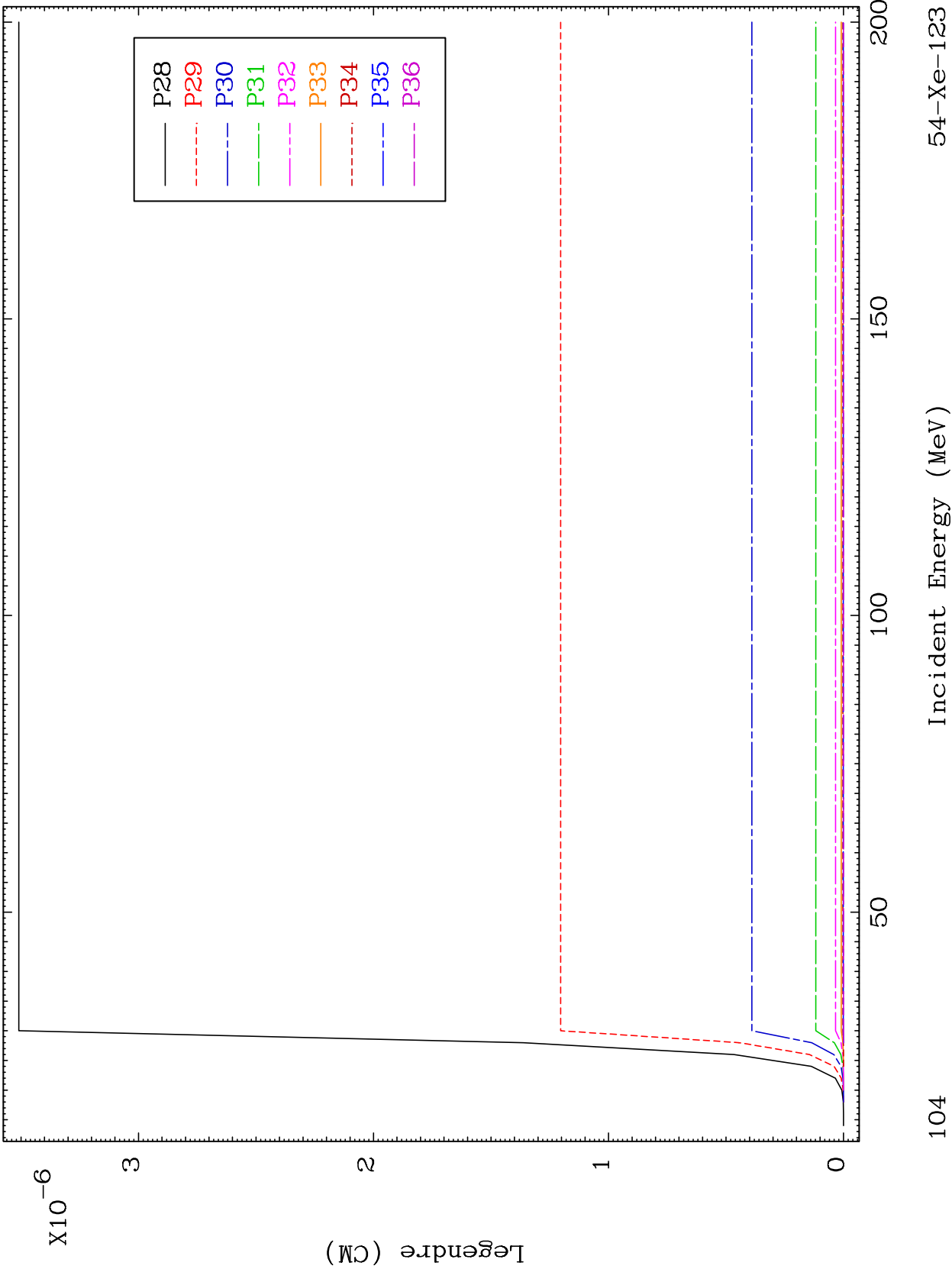
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



104

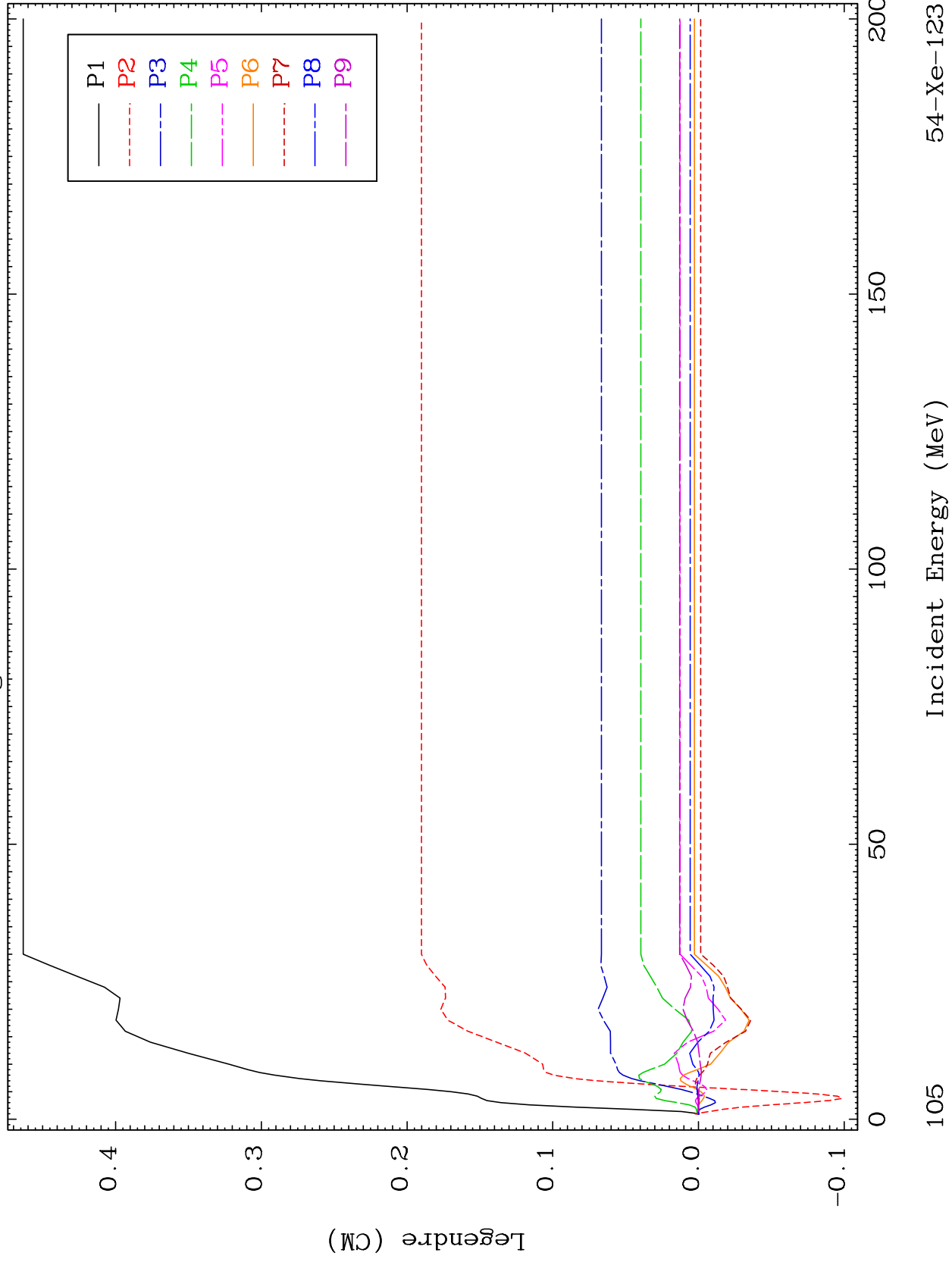
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

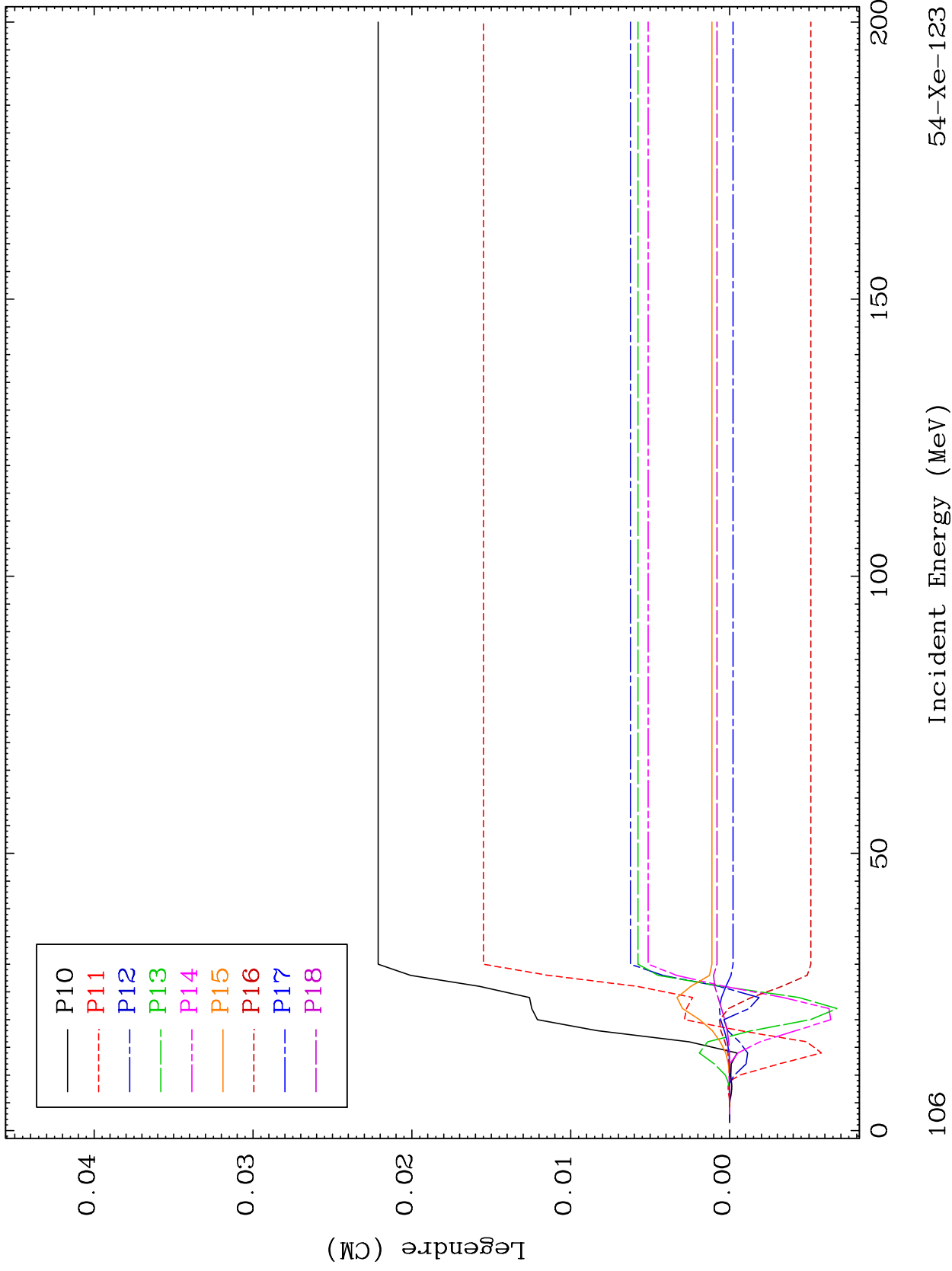
Incident Energy (MeV)

0

MAT 5422

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

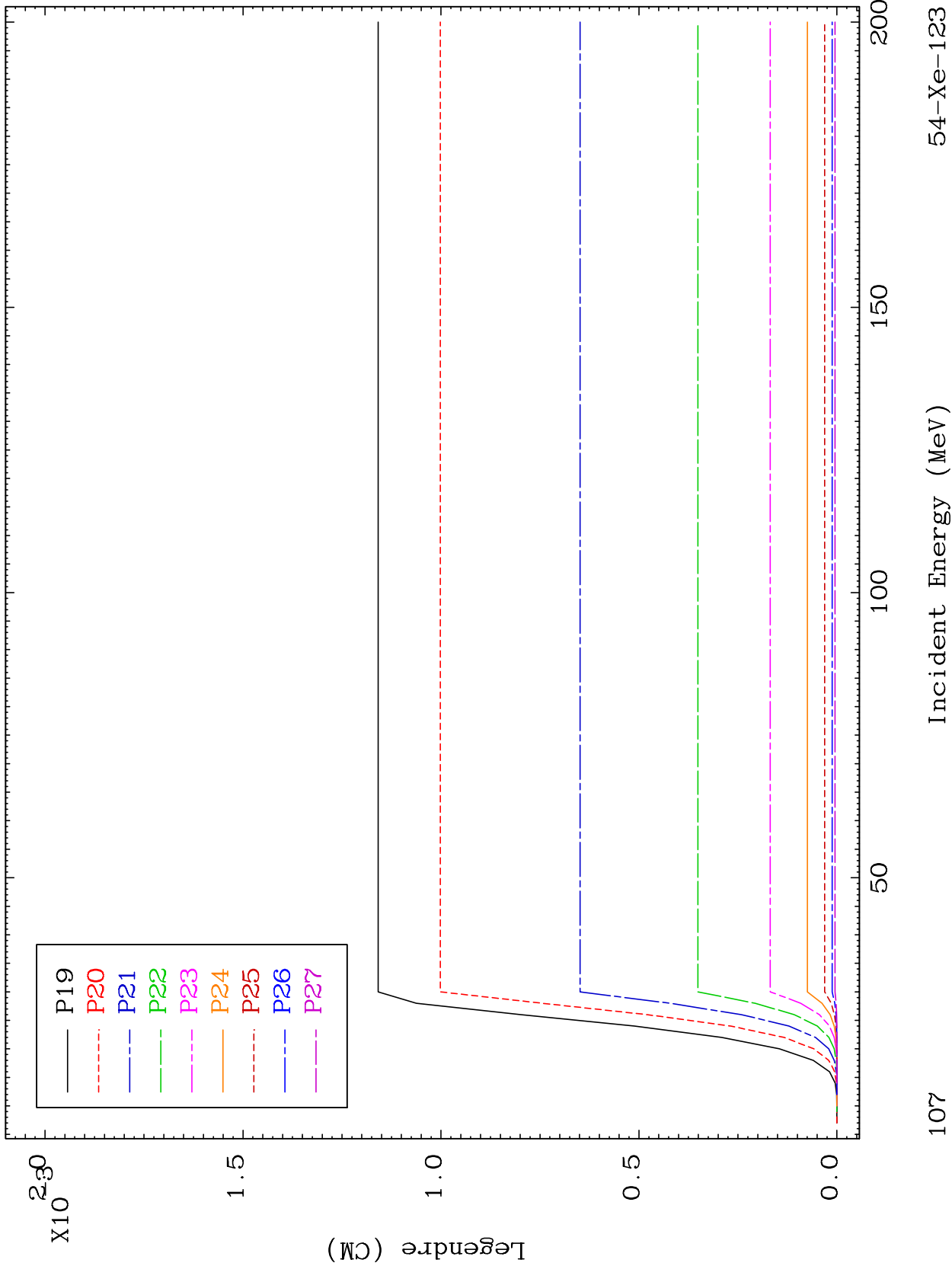
54-Xe-123



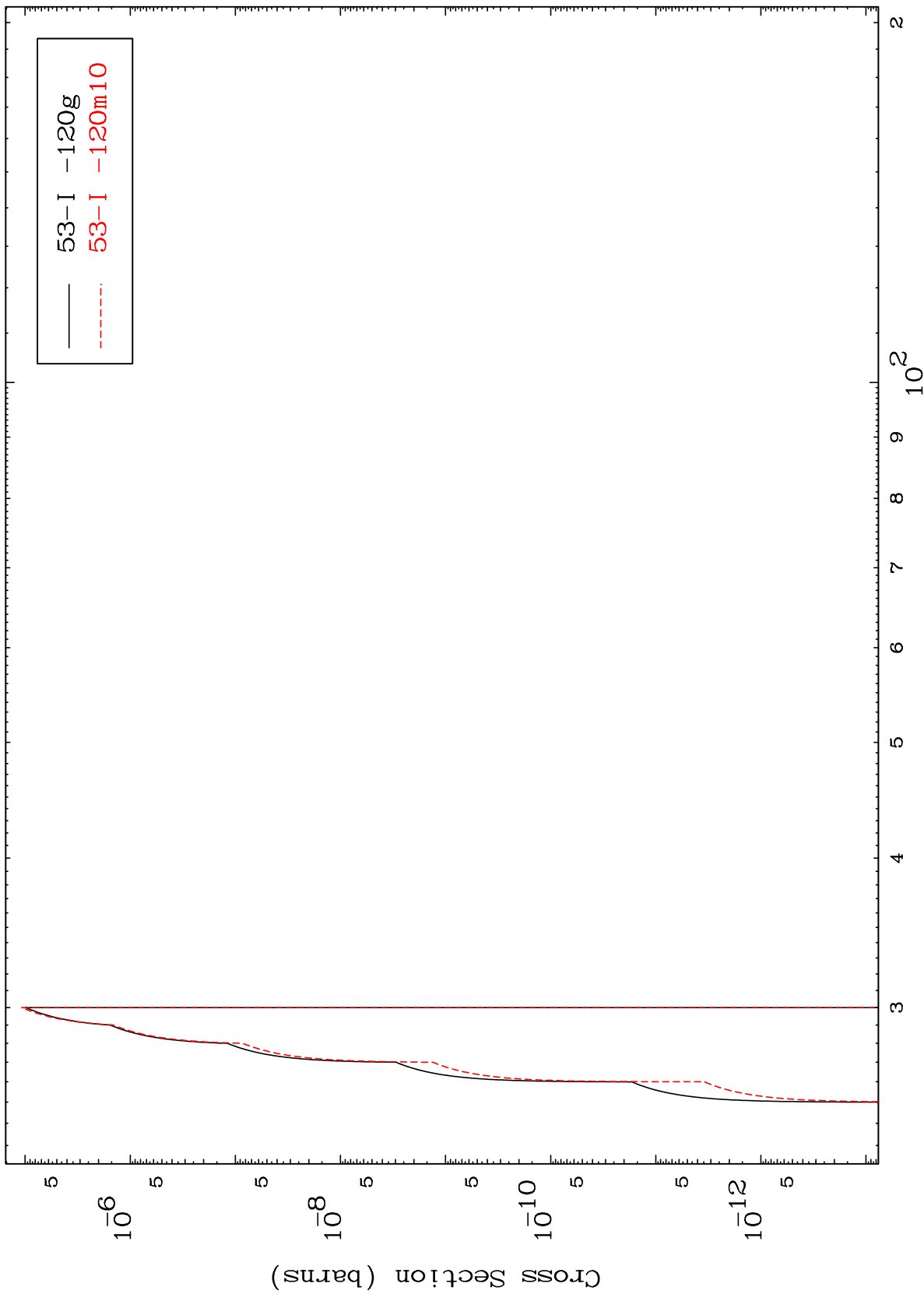
54-Xe-123

Incident Energy (MeV)

106



Radionuclide Production Cross Section



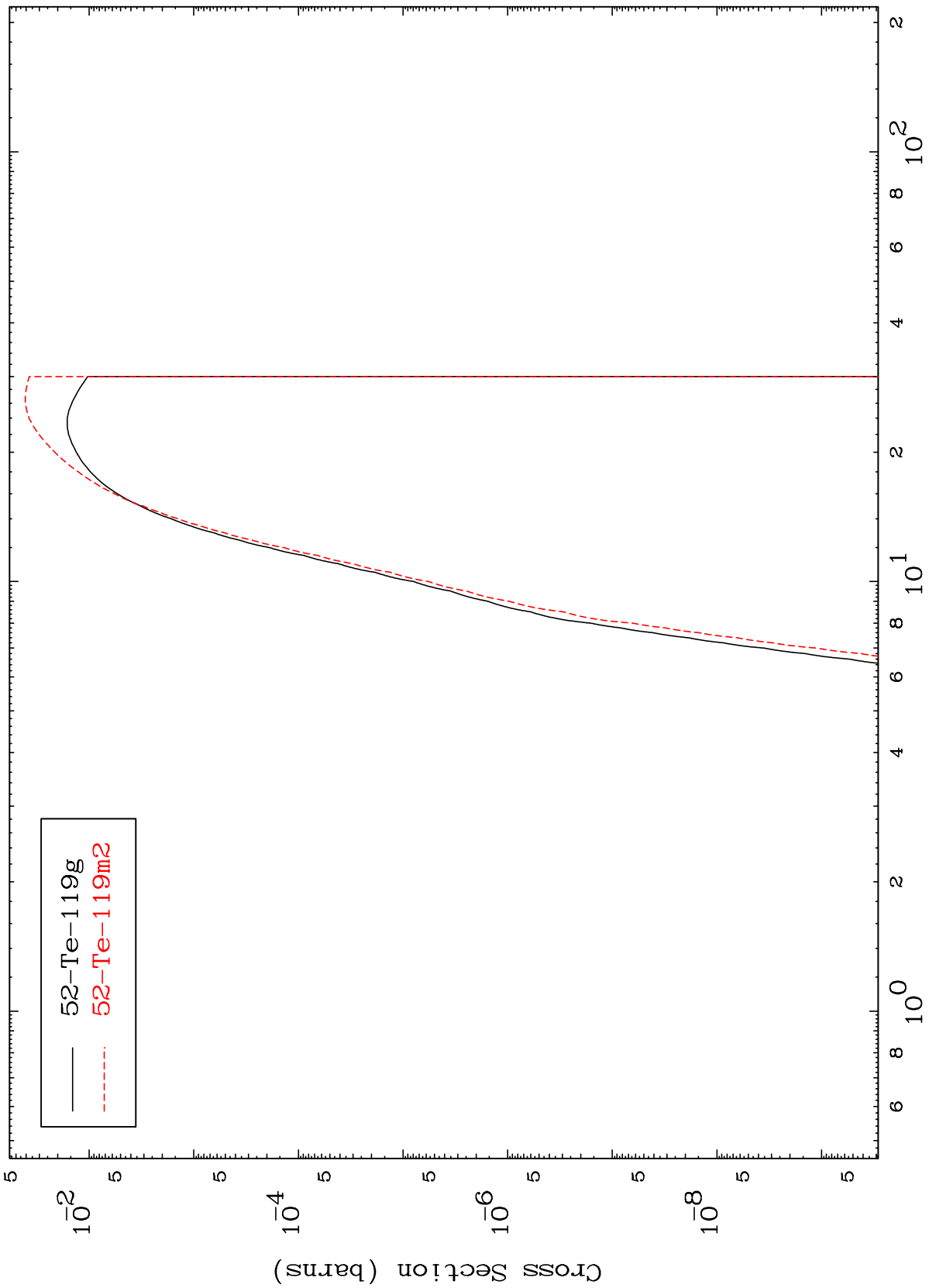
53-I -120g
53-I -120m10

MAT 5422

(n,n') α

54-Xe-123

Radionuclide Production Cross Section



110

Incident Energy (MeV)

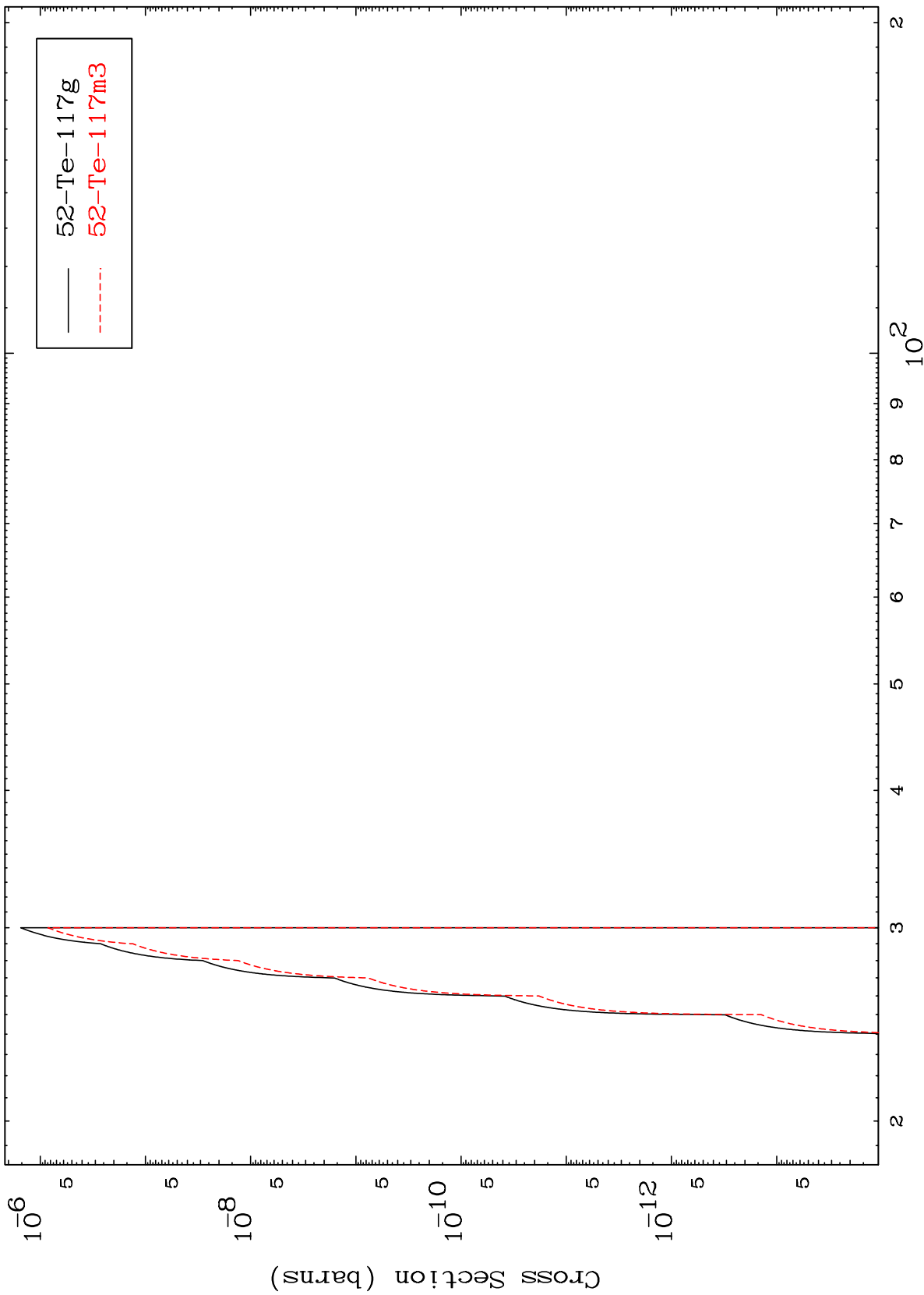
54-Xe-123

MAT 5422

(n,3n) α

54-Xe-123

Radionuclide Production Cross Section

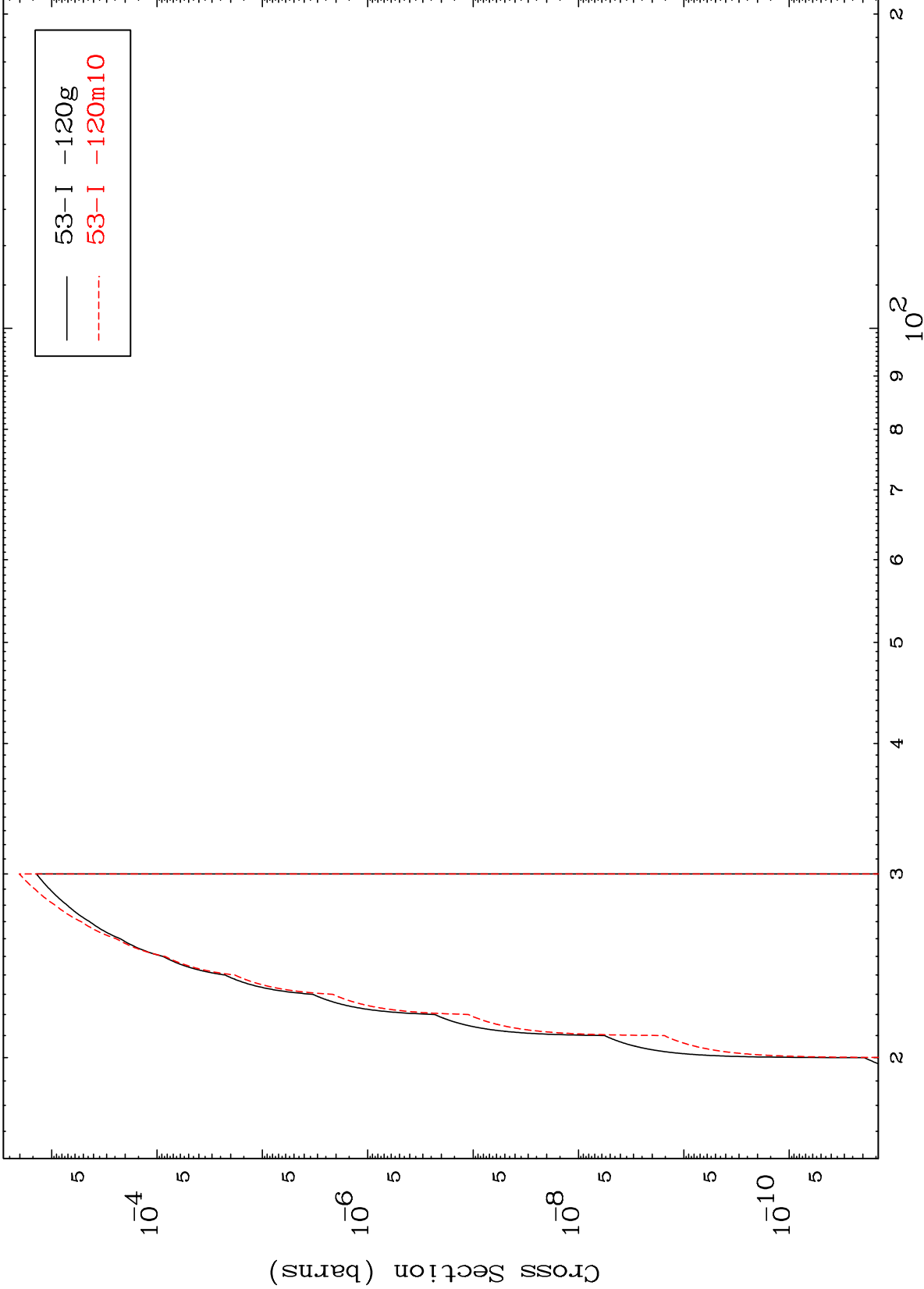


111

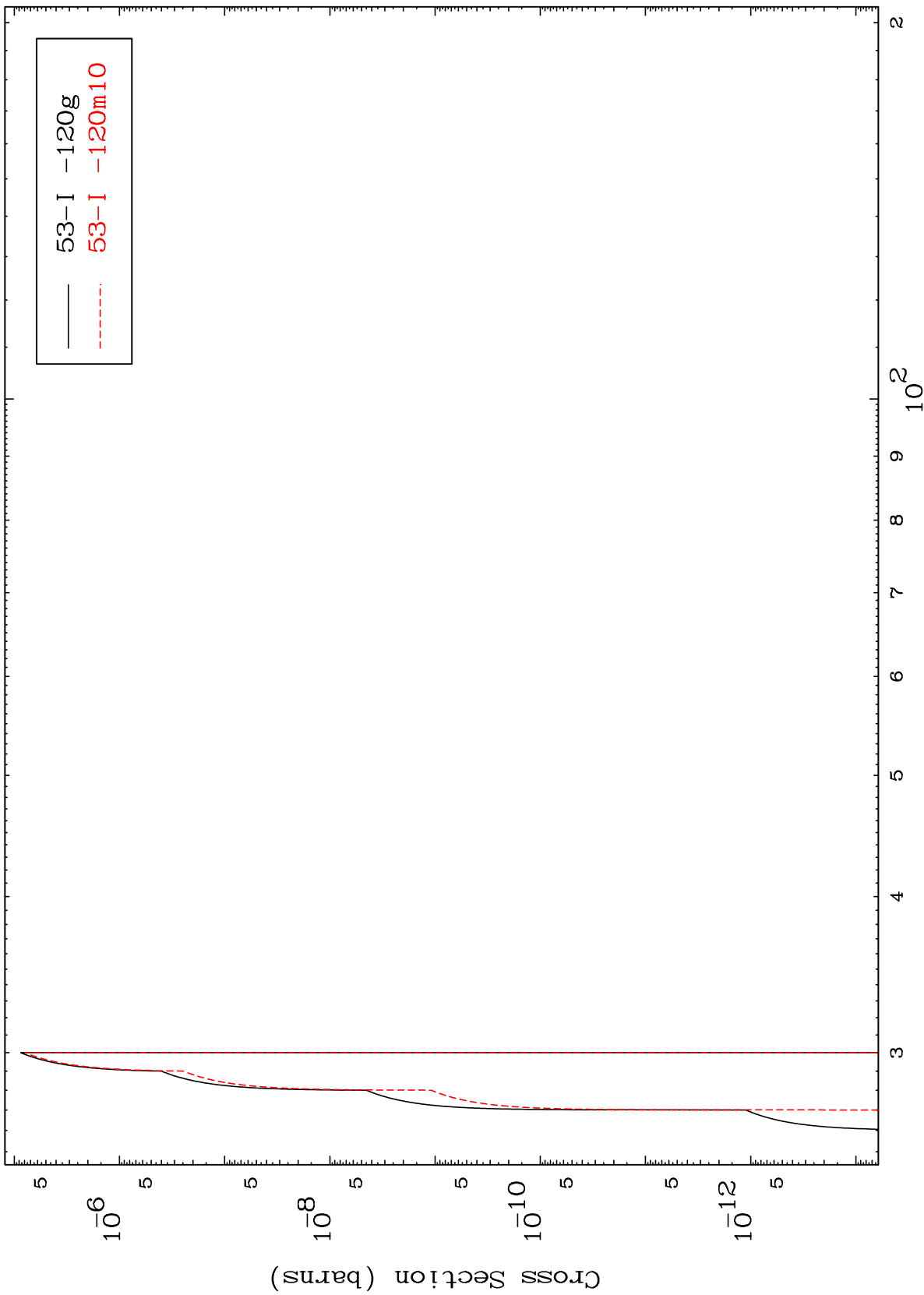
Incident Energy (MeV)

54-Xe-123

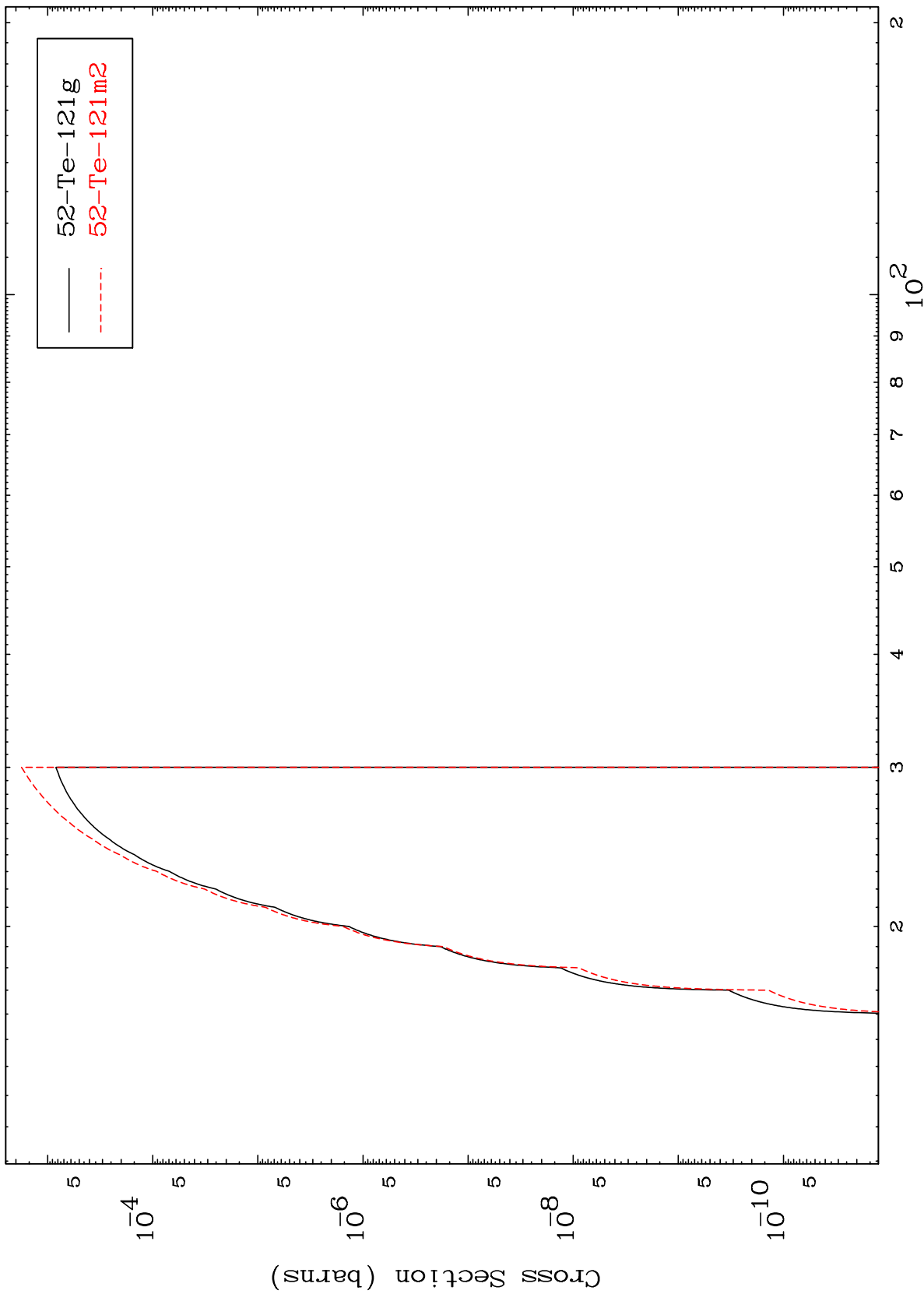
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

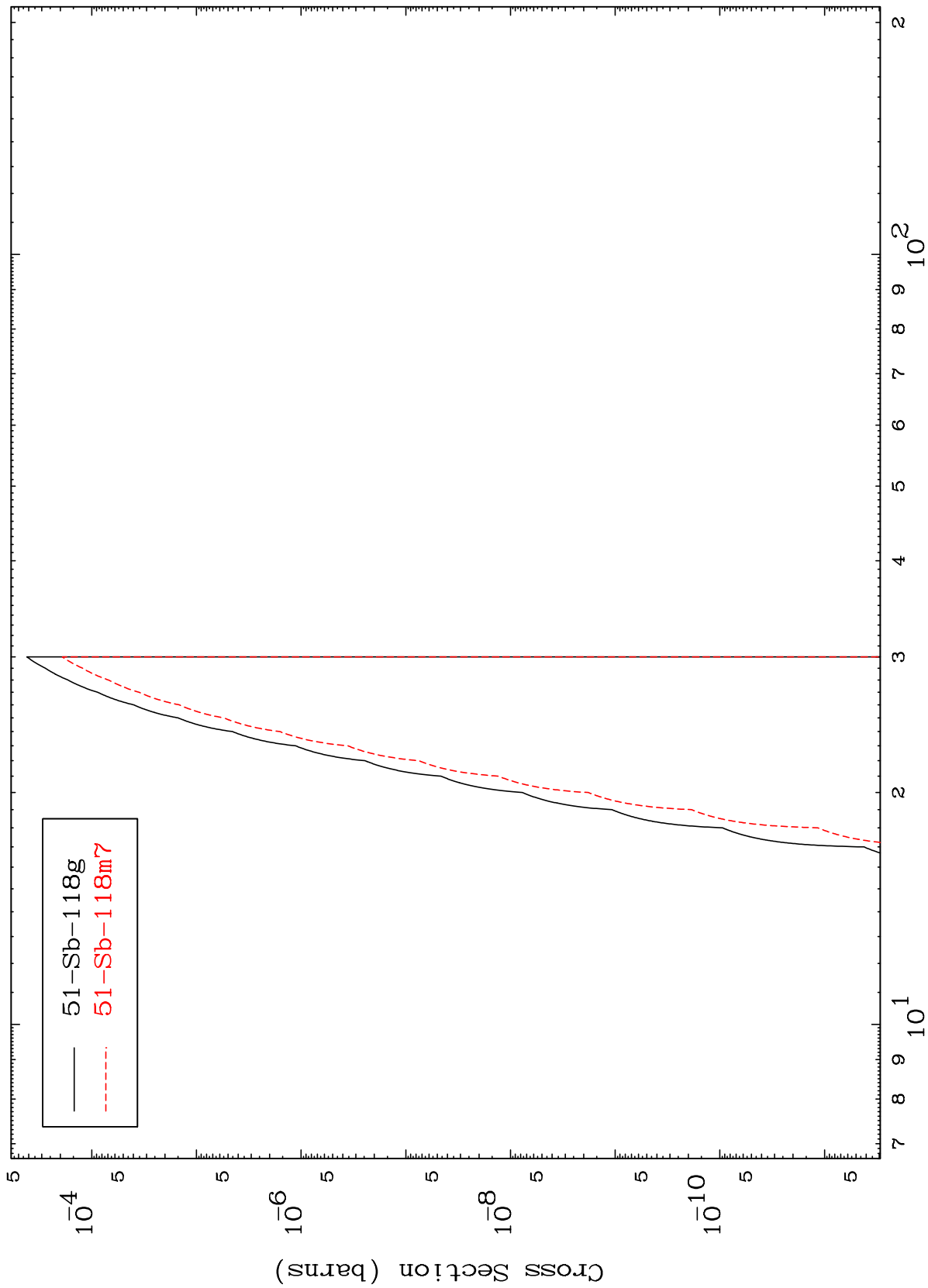


MAT 5422

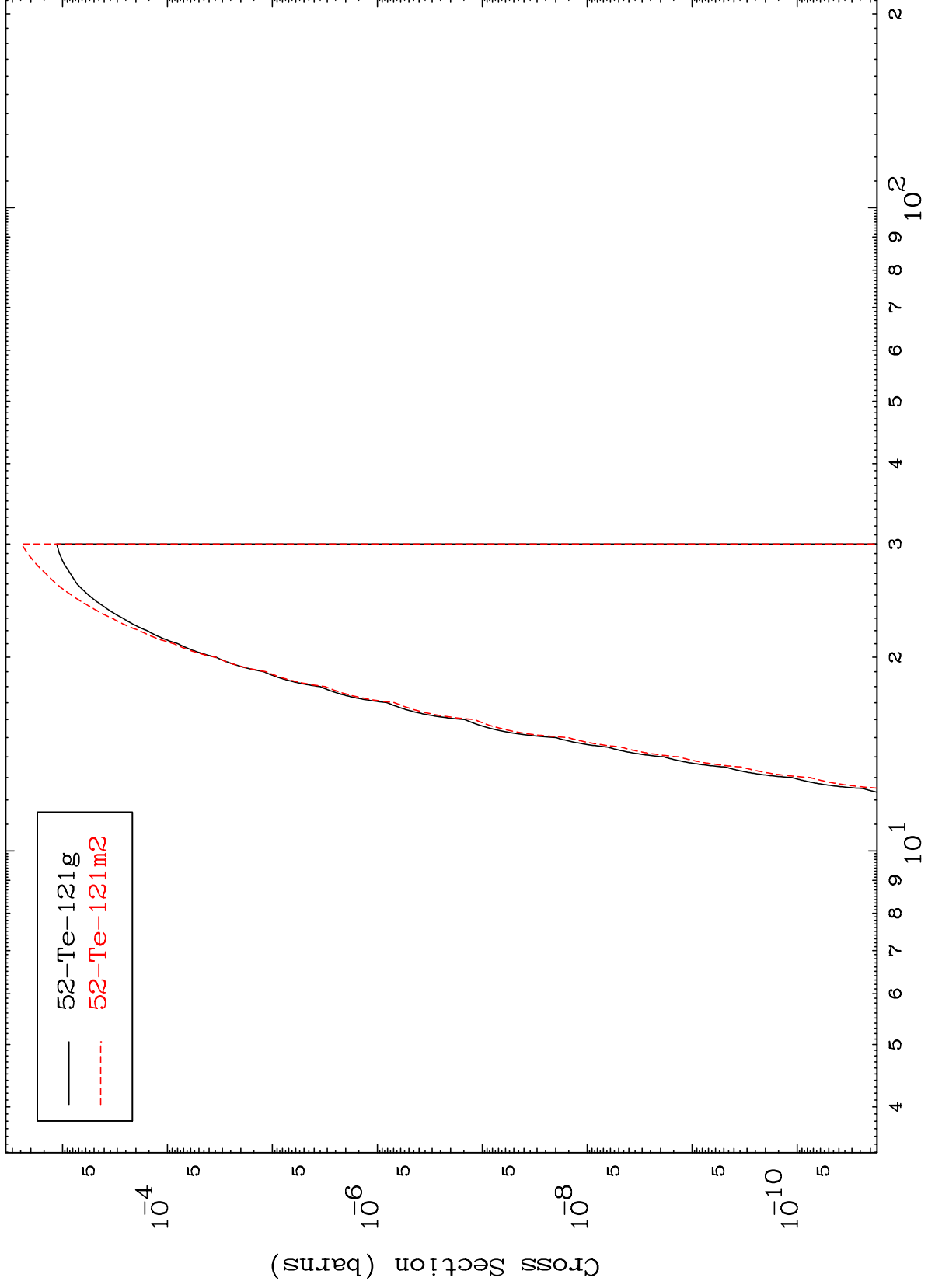
(n,n') p α

54-Xe-123

Radionuclide Production Cross Section



Radionuclide Production Cross Section



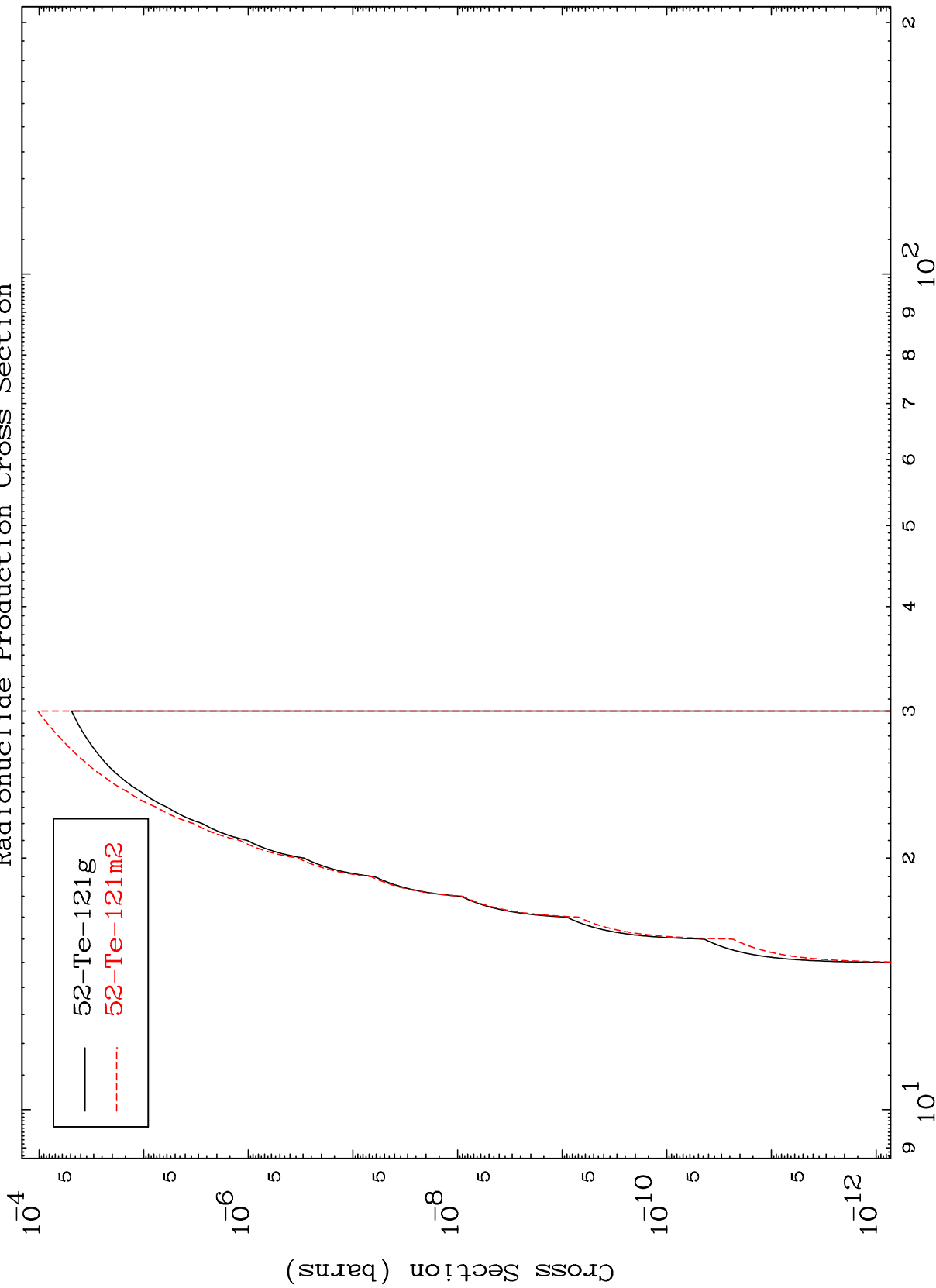
52-Te-121g
52-Te-121m2

MAT 5422

(n,p) d

54-Xe-123

Radionuclide Production Cross Section



117

Incident Energy (MeV)

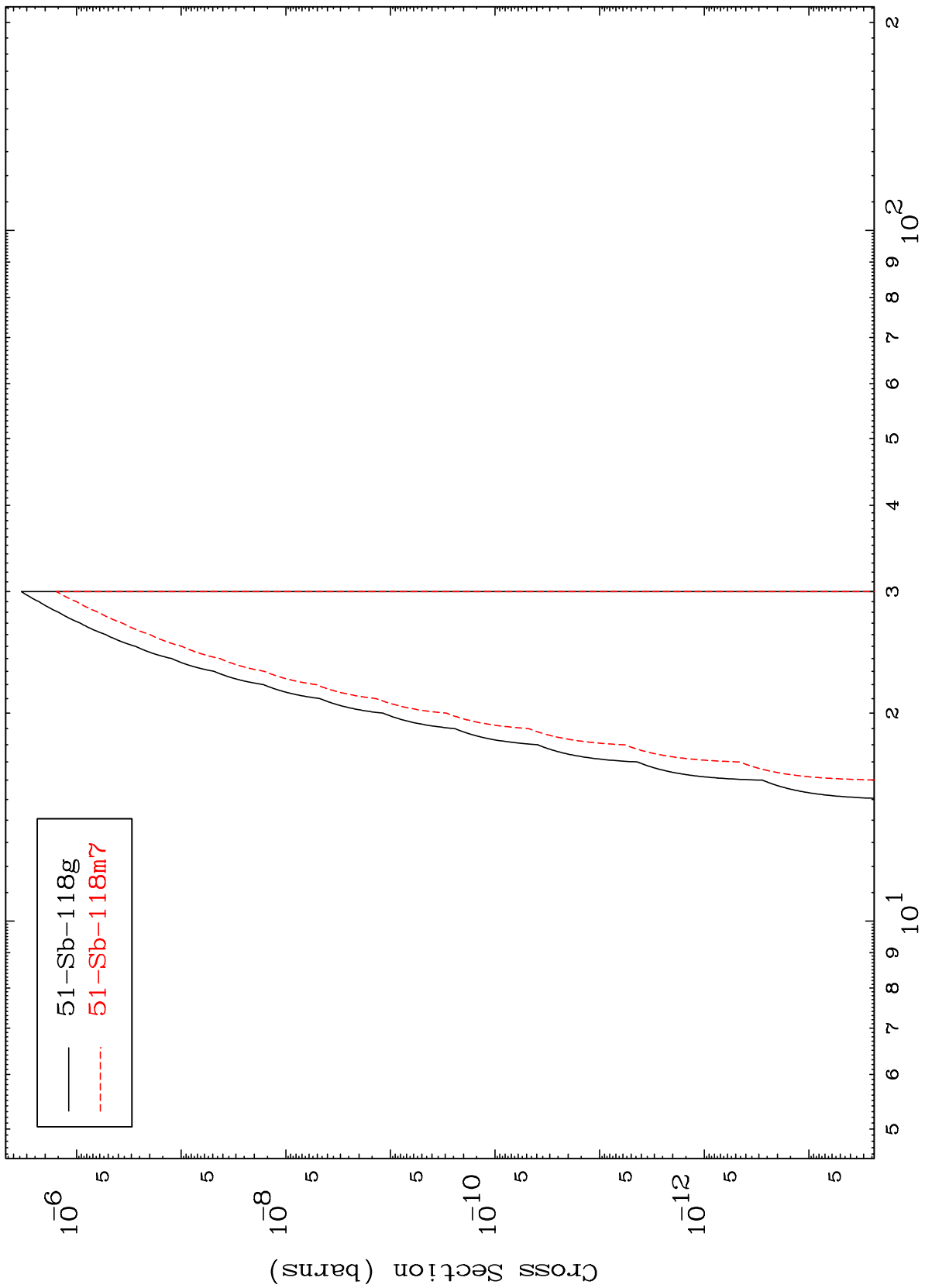
54-Xe-123

MAT 5422

(n,d) α

54-Xe-123

Radionuclide Production Cross Section



118

Incident Energy (MeV)

54-Xe-123