

Program EVALPLOT
(Version 2017-1)

by

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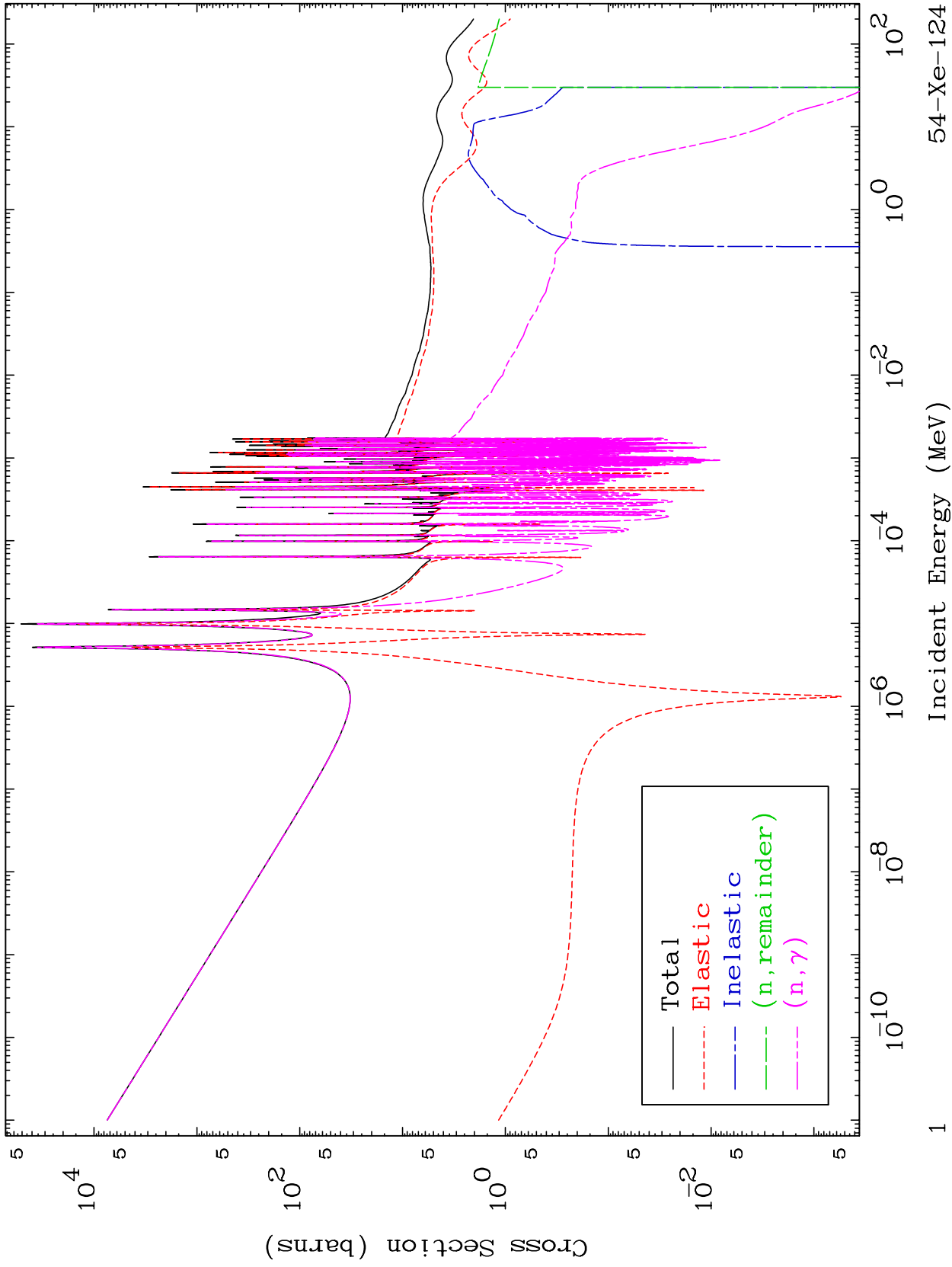
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5425

Major
293 Kelvin Cross Sections

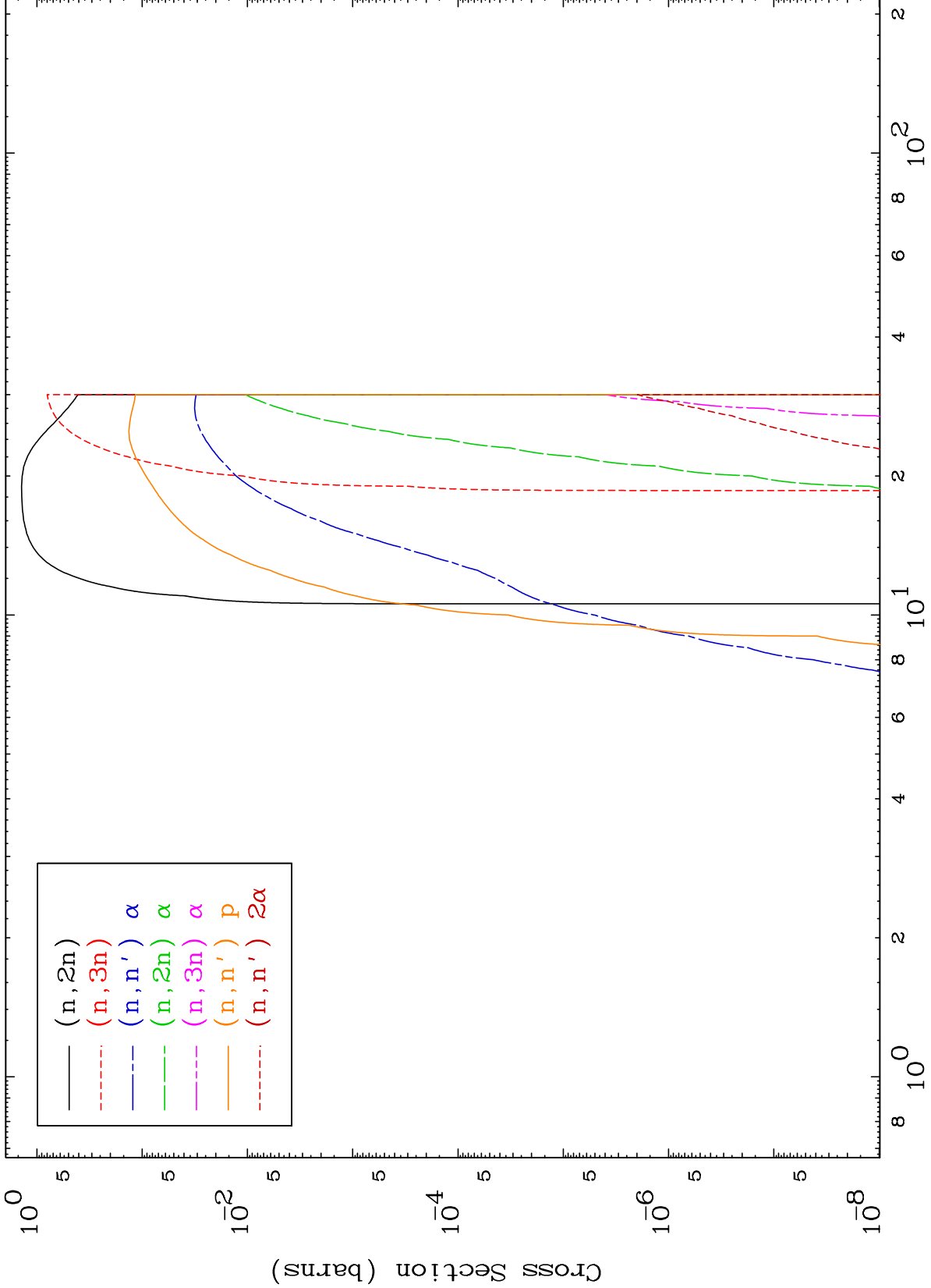
54-Xe-124



MAT 5425

Neutron Production
293 Kelvin Cross Sections

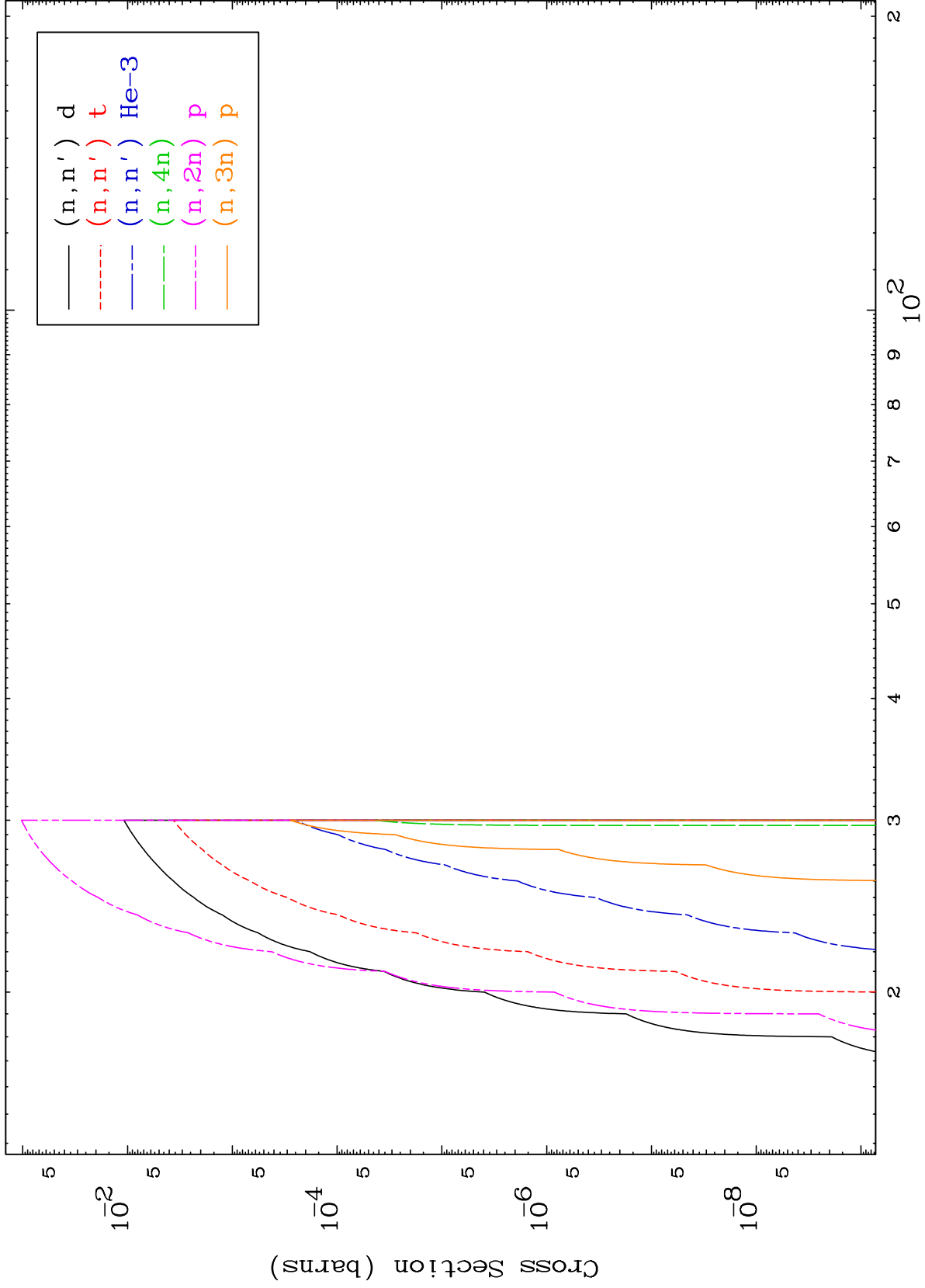
54-Xe-124



54-Xe-124

Incident Energy (MeV)

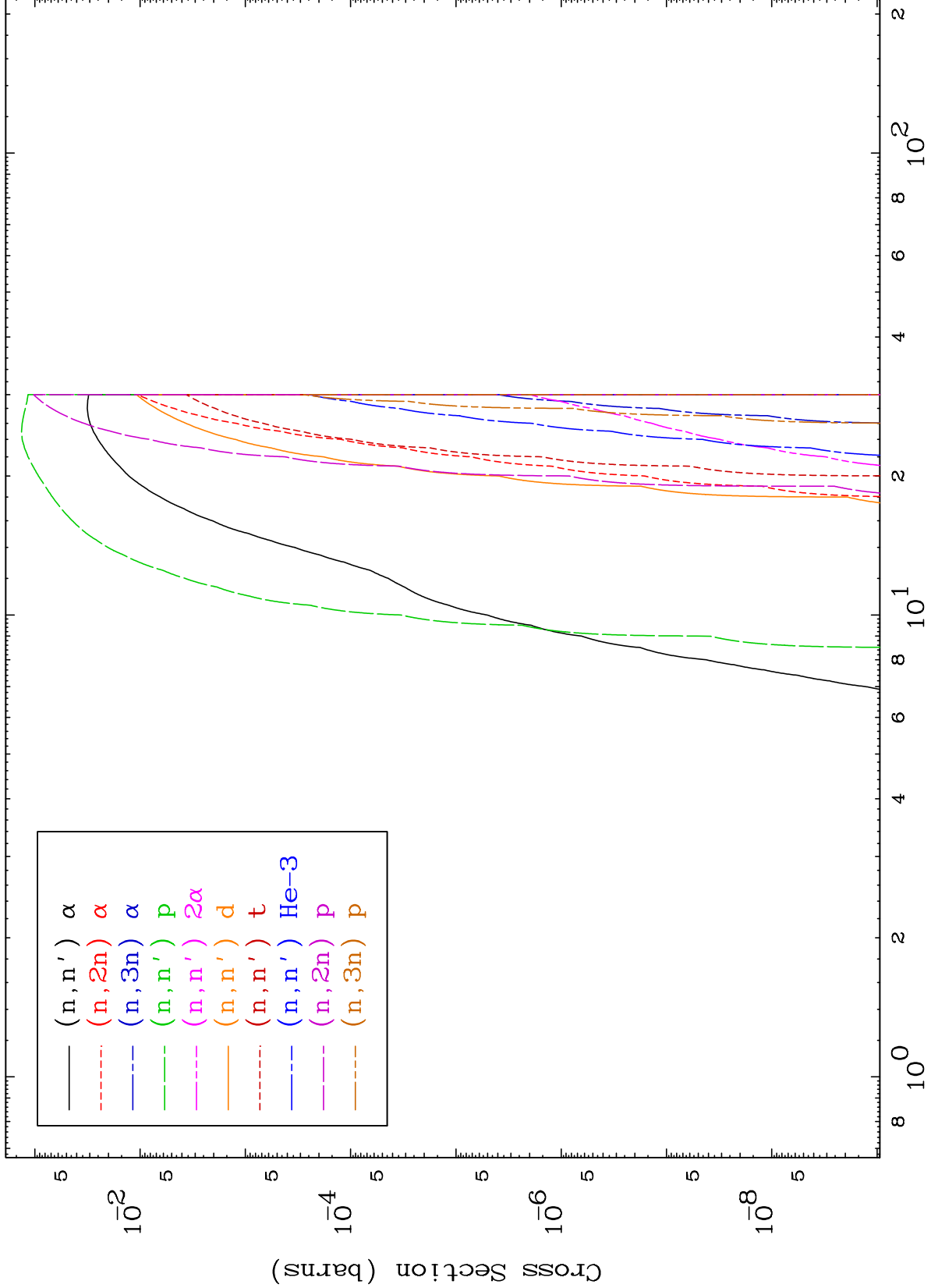
2



MAT 5425

Charged Particle
293 Kelvin Cross Sections

54-Xe-124



4

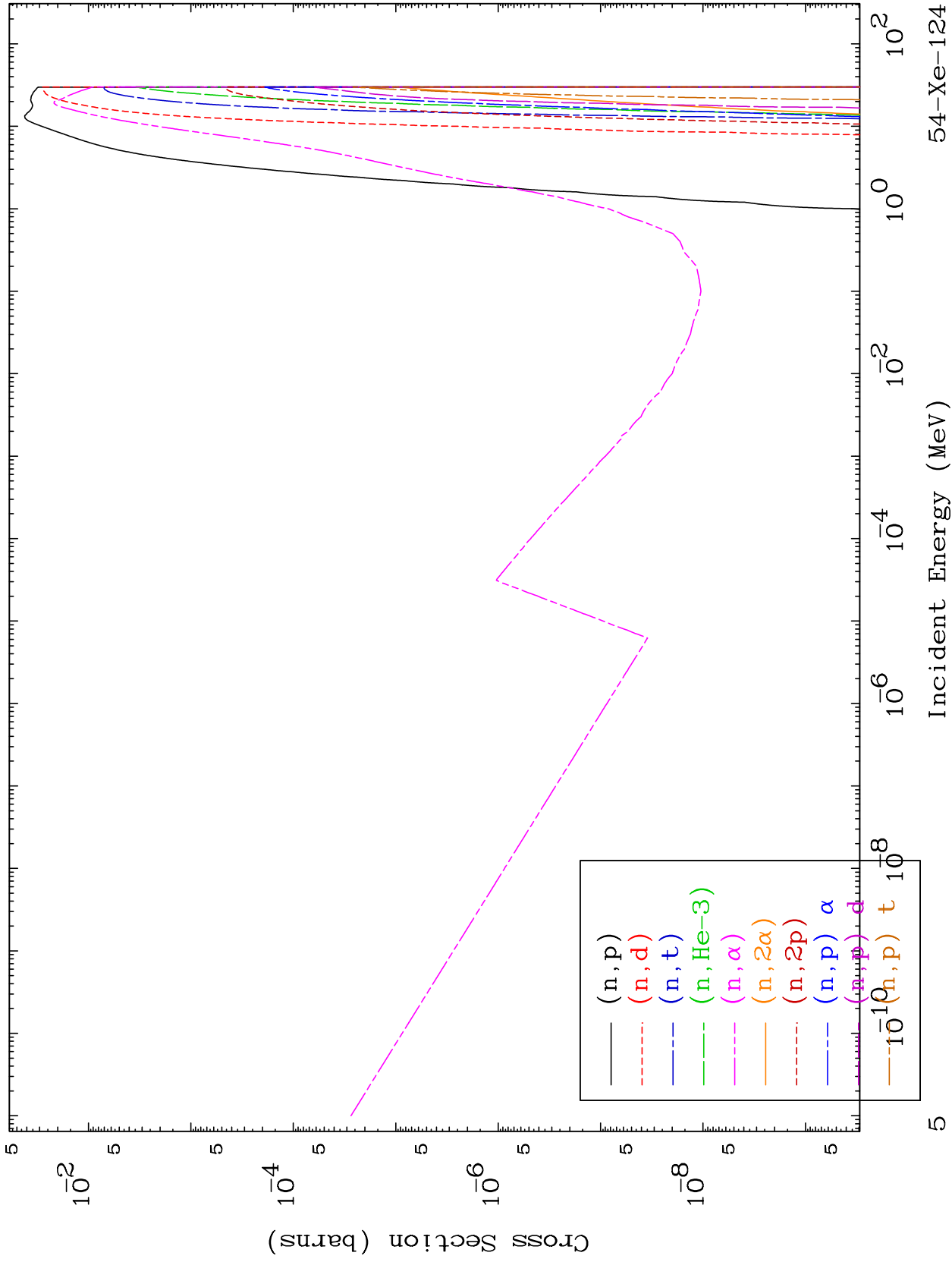
Incident Energy (MeV)

54-Xe-124

MAT 5425

Charged Particle
293 Kelvin Cross Sections

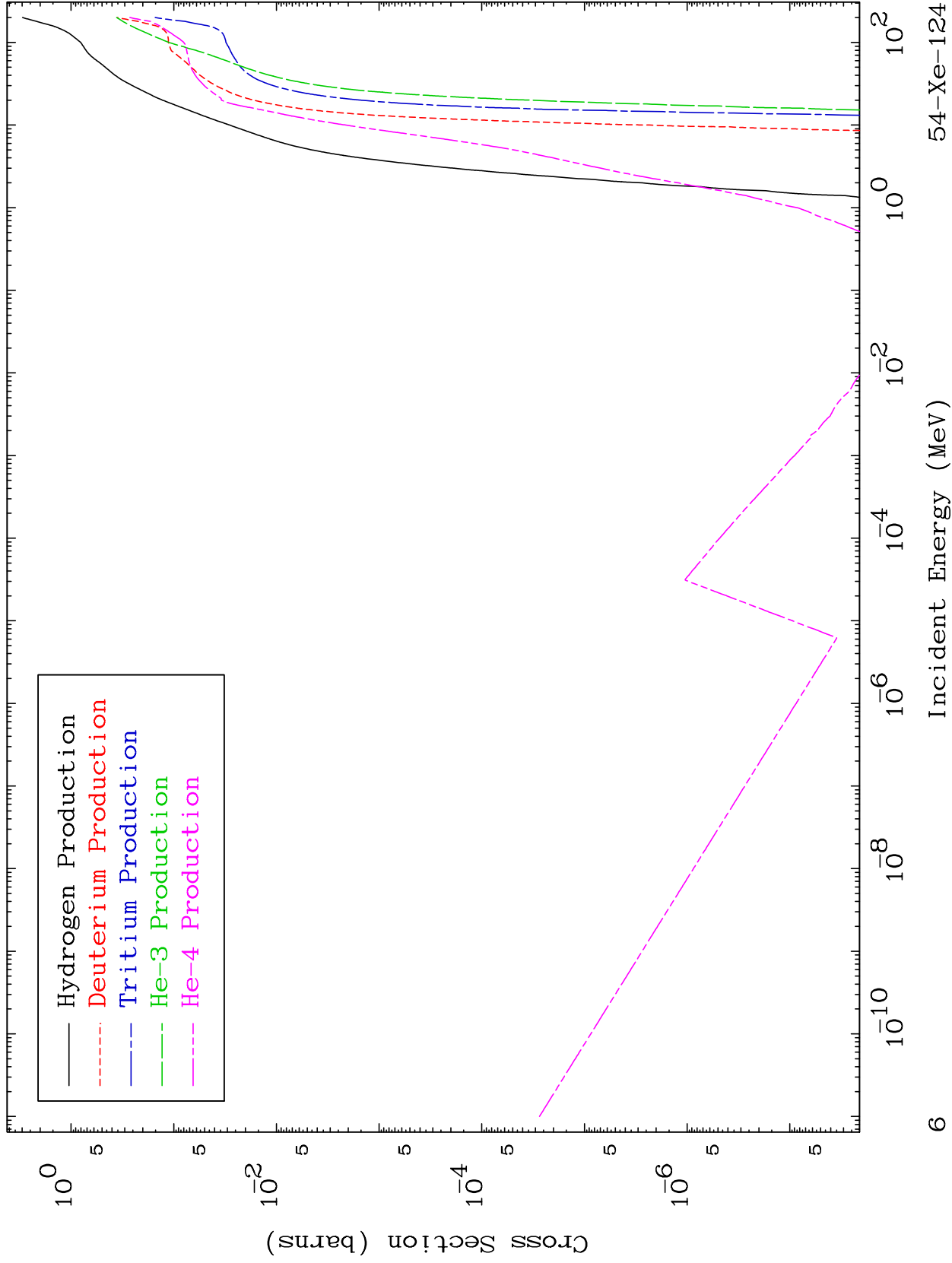
54-Xe-124



54-Xe-124

Incident Energy (MeV)

5

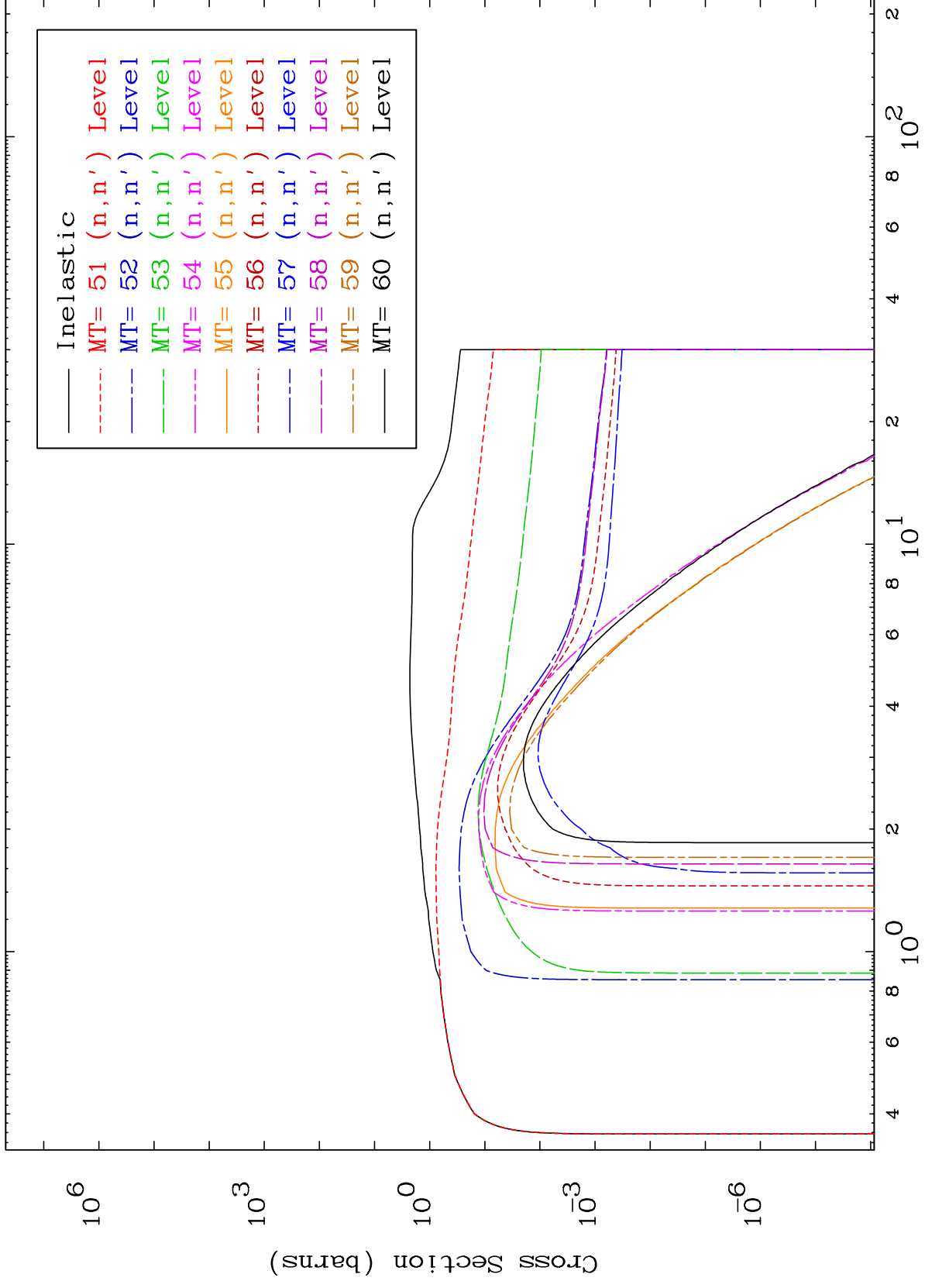


MAT 5425

(n,n') Level

54-Xe-124

293 Kelvin Cross Sections

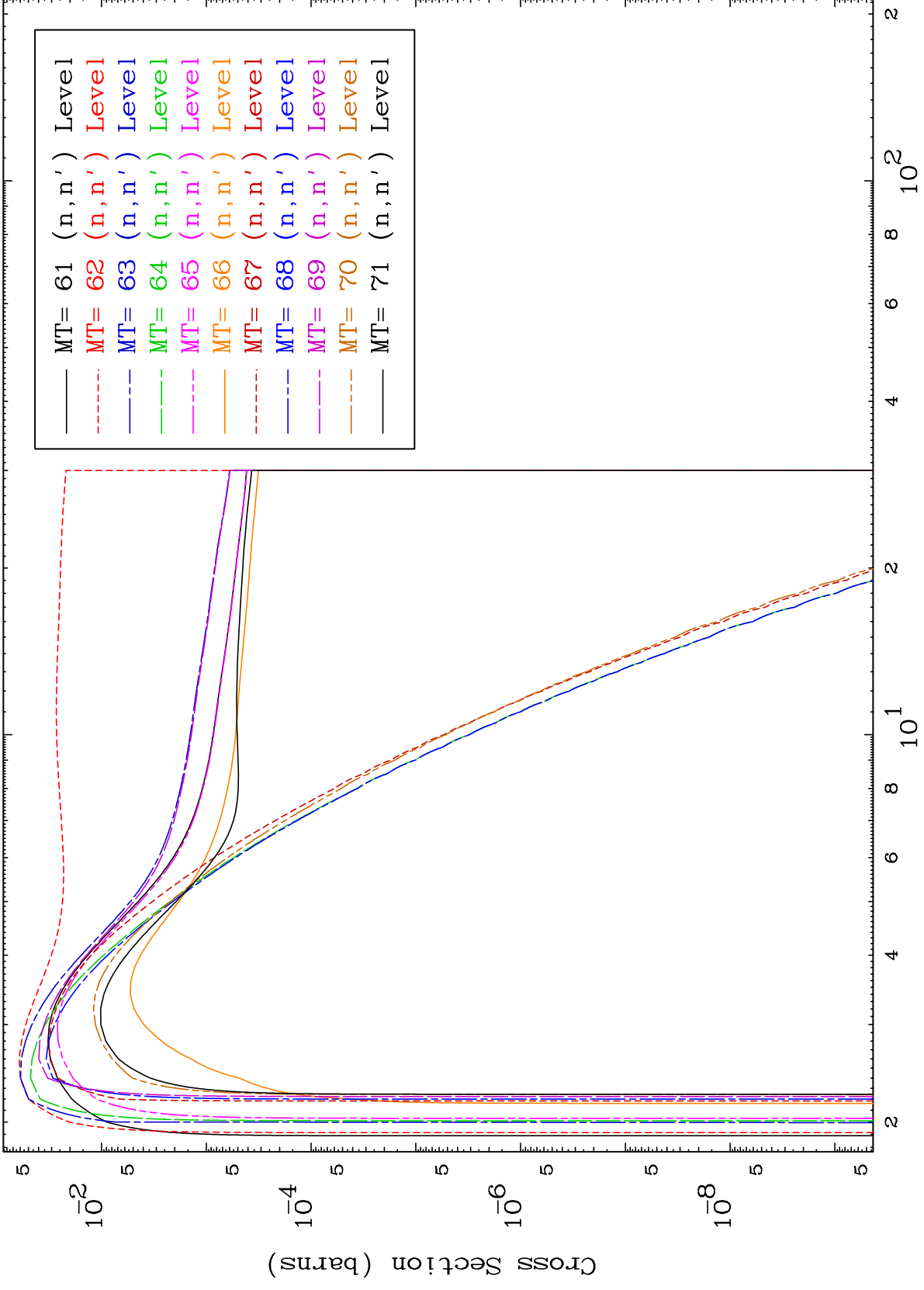


MAT 5425

(n,n') Level

54-Xe-124

293 Kelvin Cross Sections



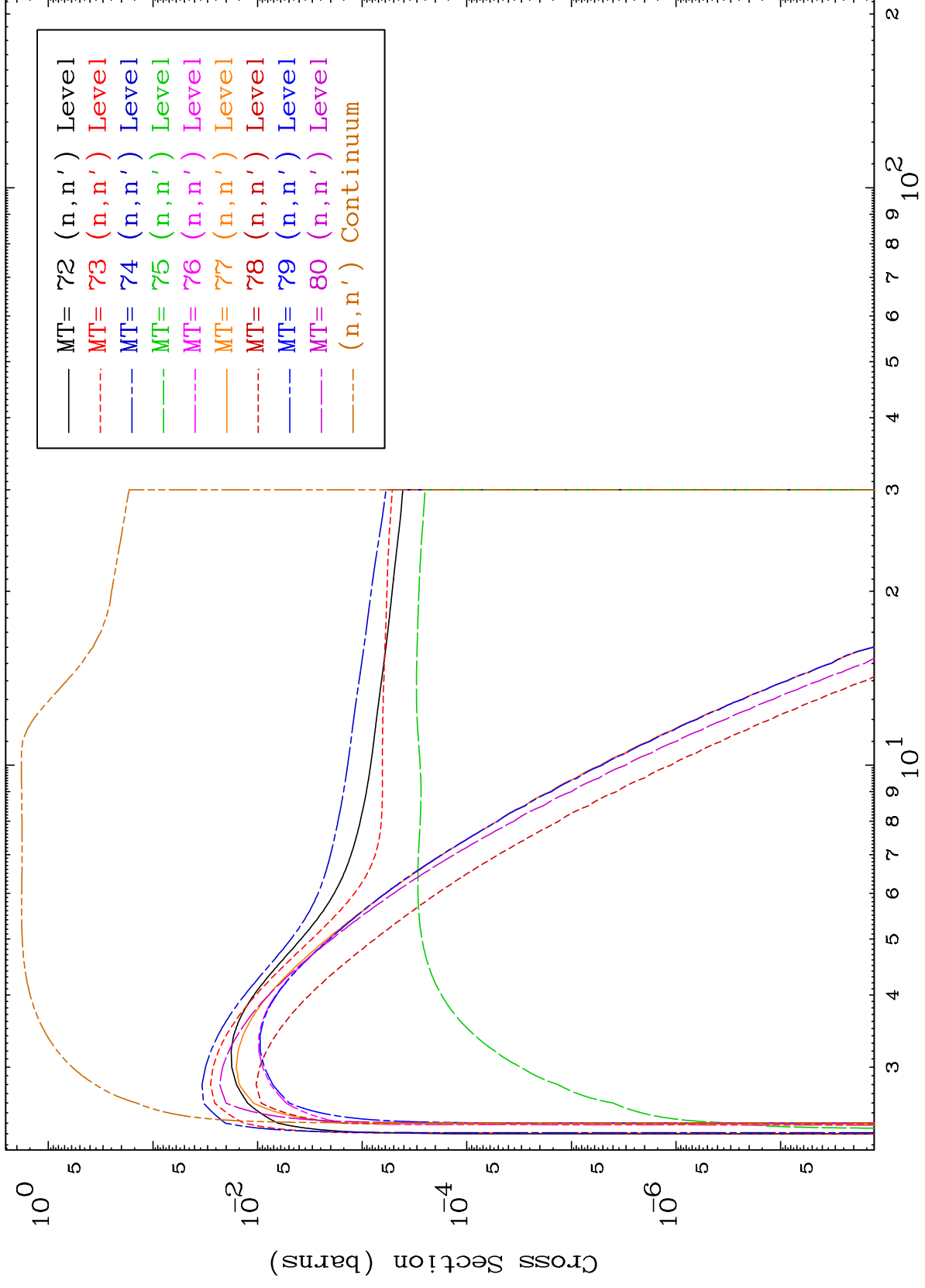
Line Style	MT=	(n, n')	Level
Solid	61	(n, n')	Level
Dashed	62	(n, n')	Level
Solid	63	(n, n')	Level
Solid	64	(n, n')	Level
Solid	65	(n, n')	Level
Solid	66	(n, n')	Level
Dashed	67	(n, n')	Level
Solid	68	(n, n')	Level
Solid	69	(n, n')	Level
Solid	70	(n, n')	Level
Solid	71	(n, n')	Level

8

Incident Energy (MeV)

54-Xe-124

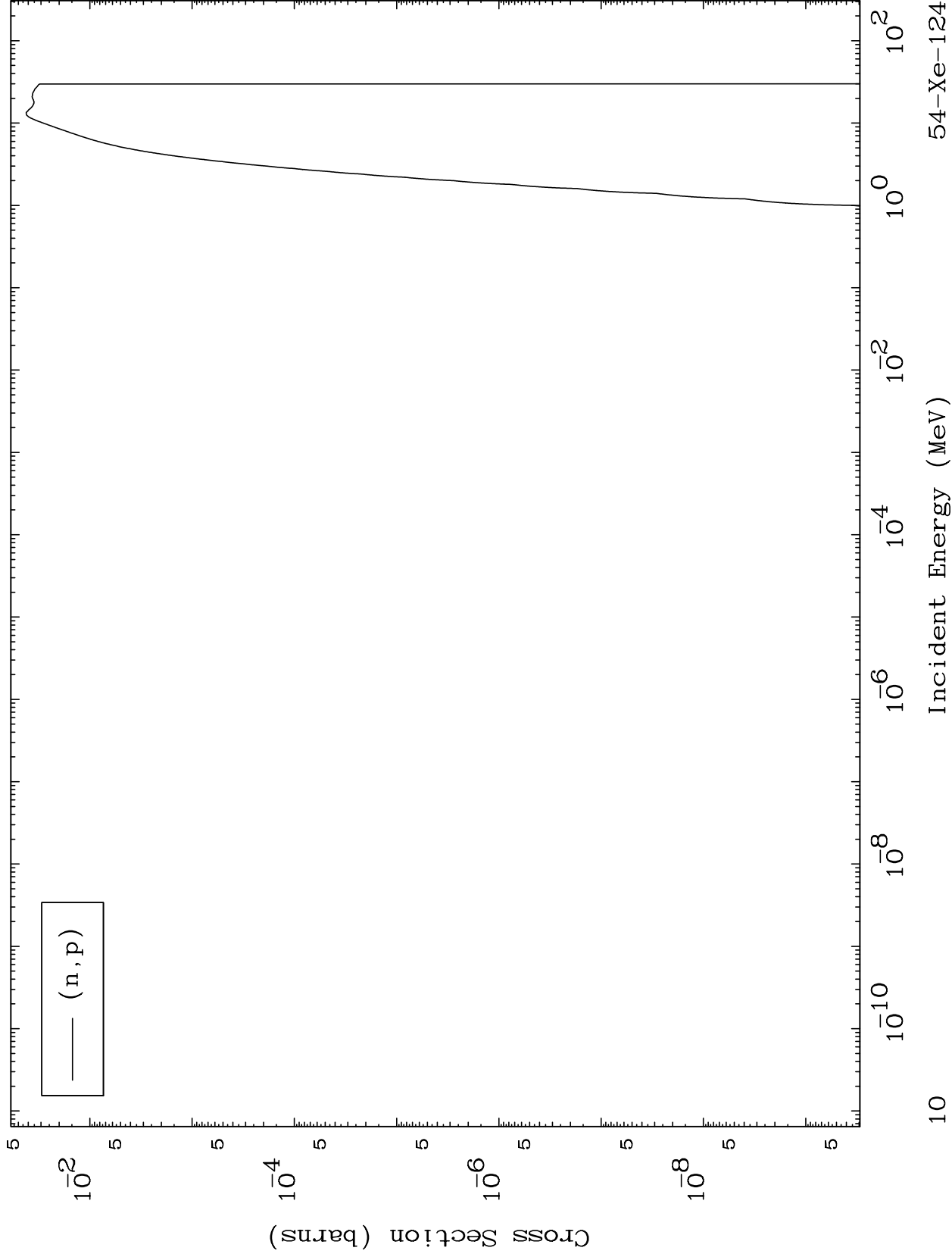
293 Kelvin Cross Sections



MAT 5425

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-124



10

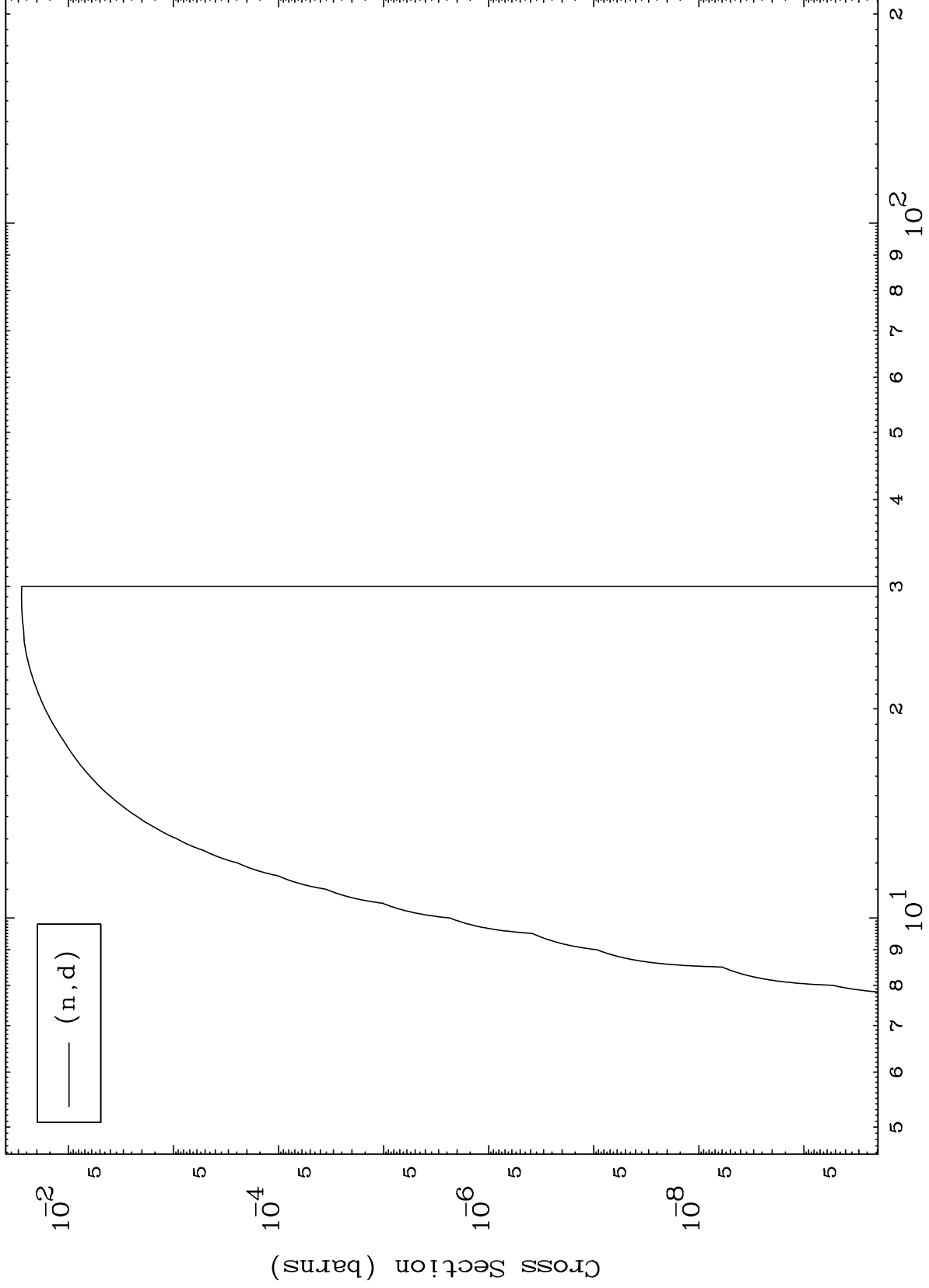
Incident Energy (MeV)

54-Xe-124

MAT 5425

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-124



11

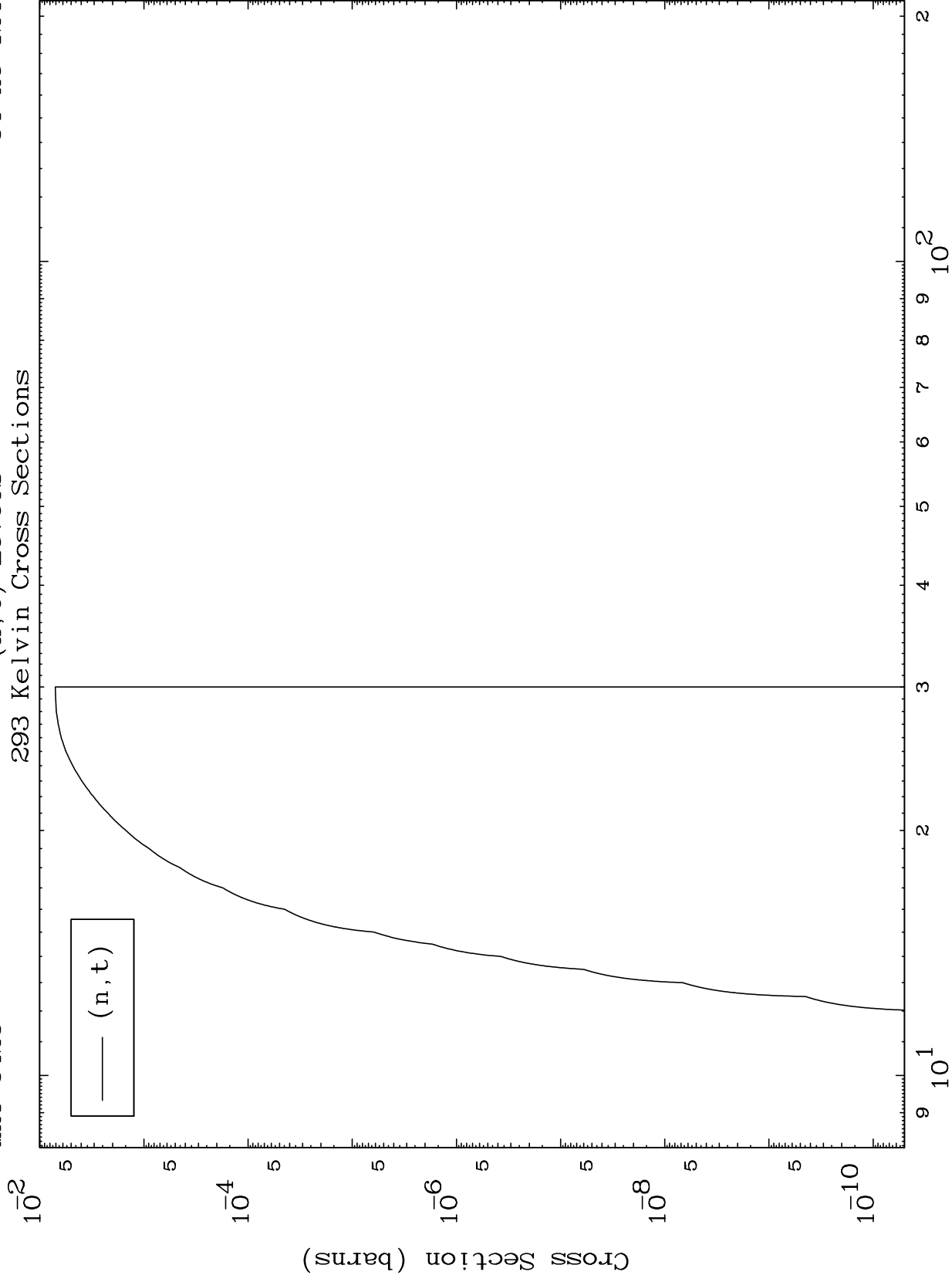
Incident Energy (MeV)

54-Xe-124

MAT 5425

(n,t) Levels
293 Kelvin Cross Sections

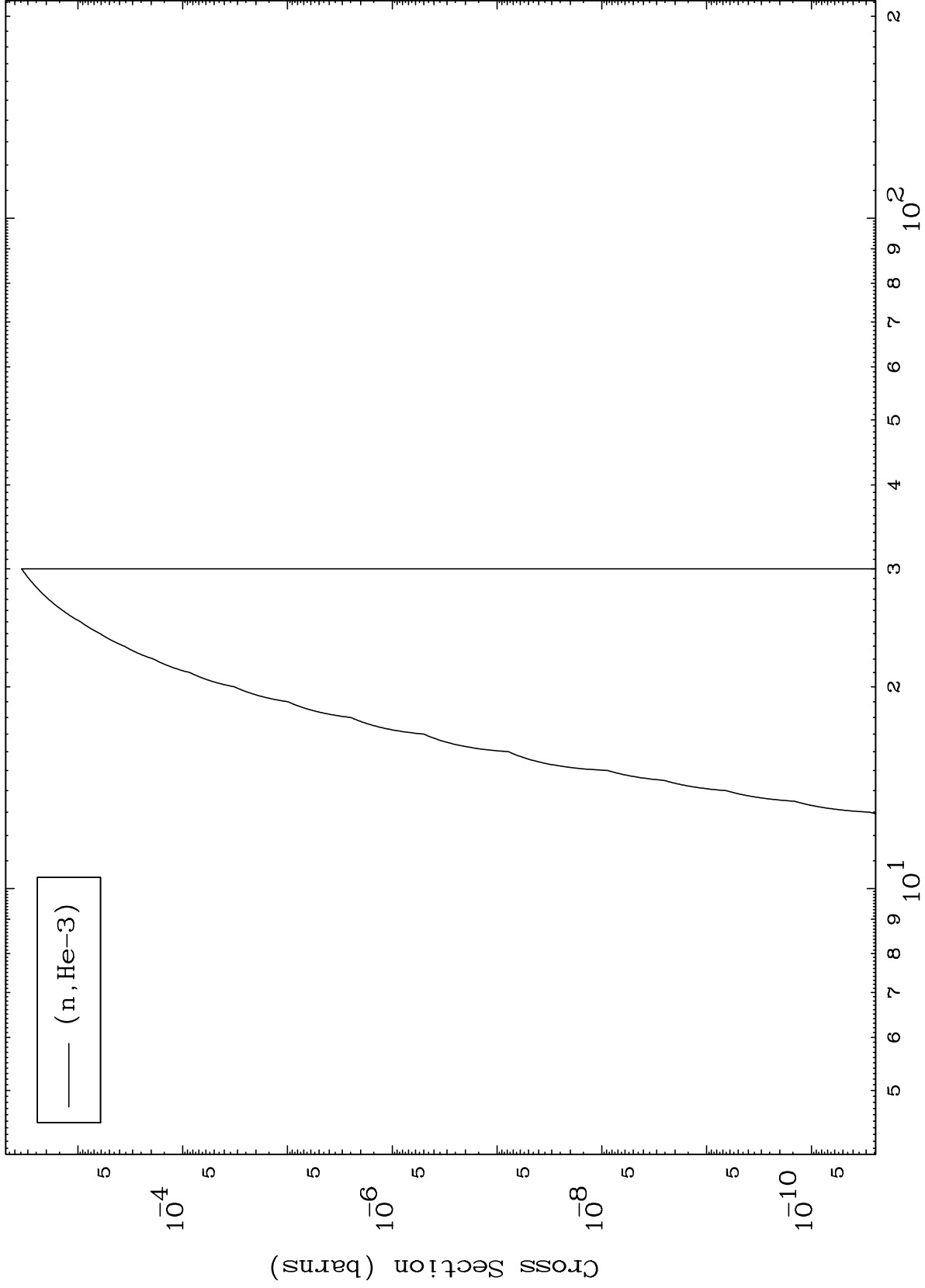
54-Xe-124



12

Incident Energy (MeV)

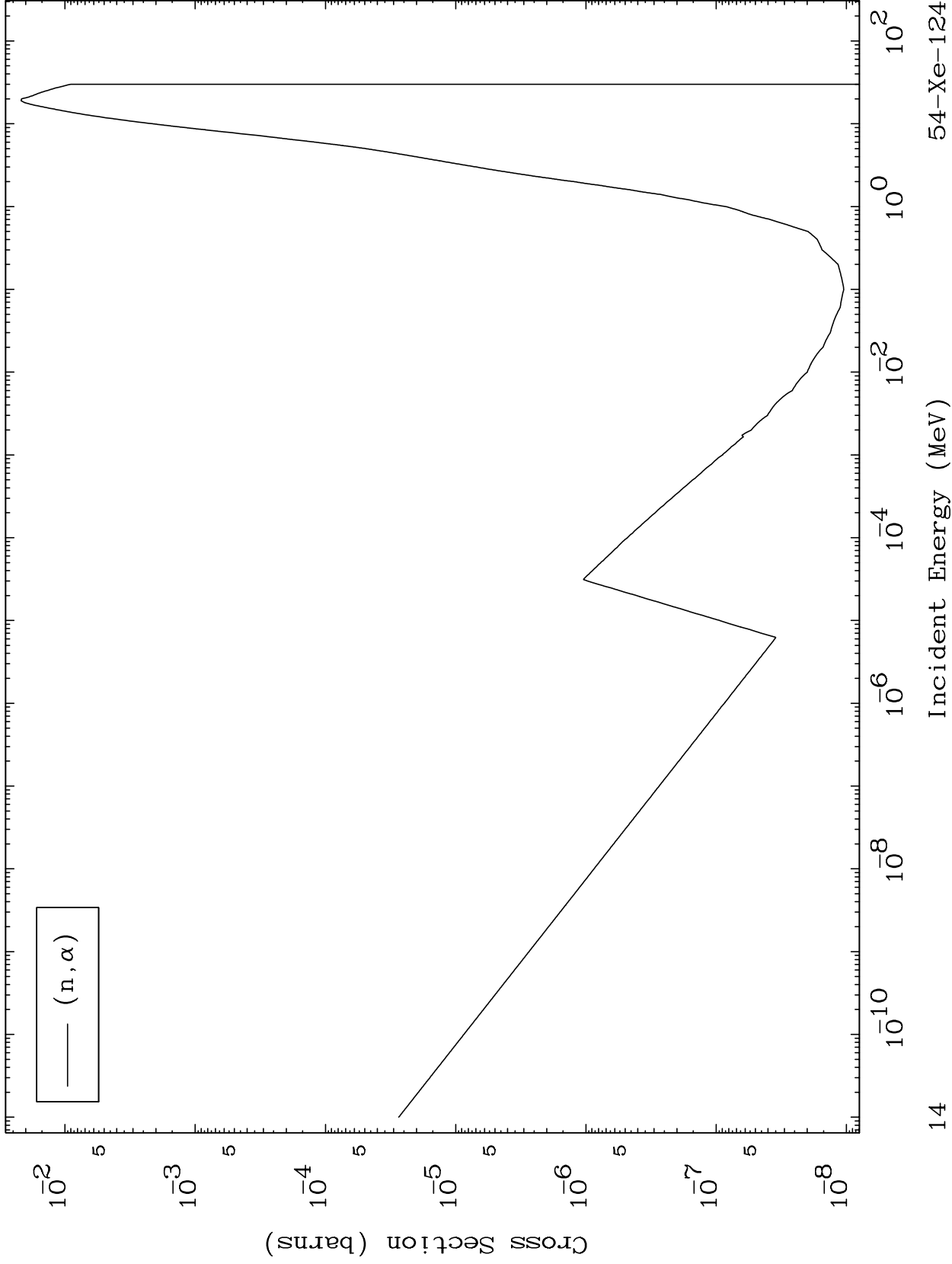
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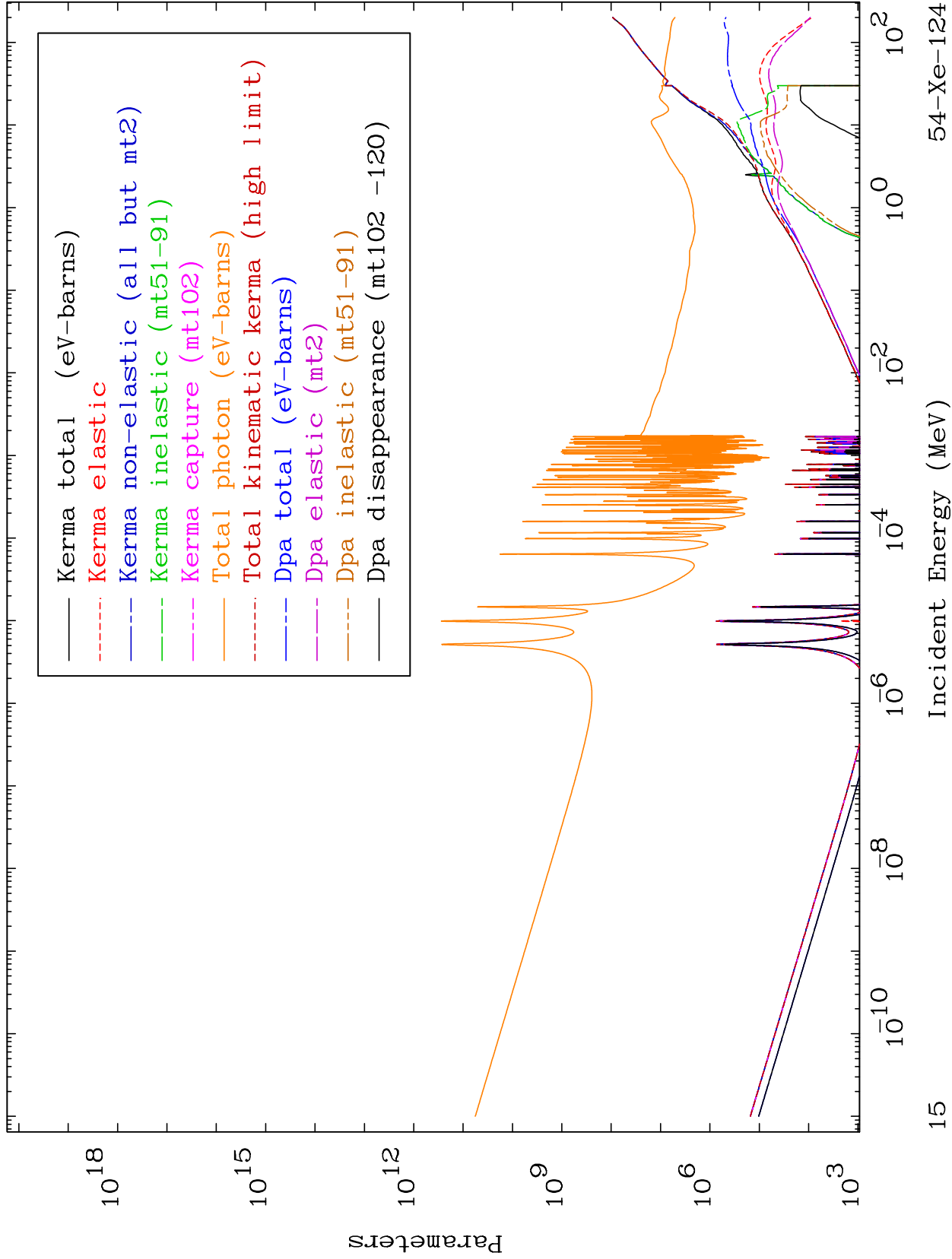


MAT 5425

(n, α) Levels
293 Kelvin Cross Sections

54-Xe-124

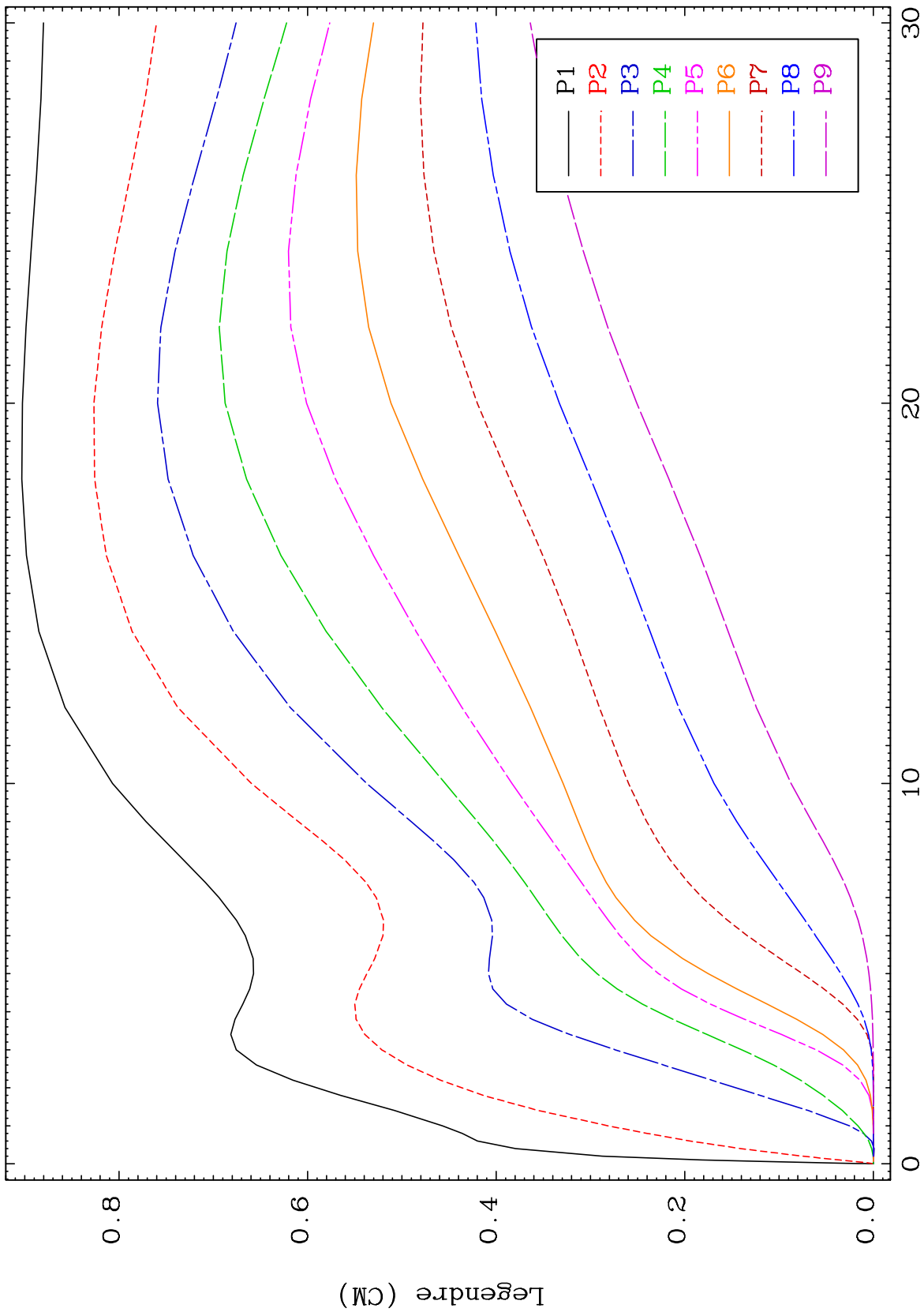




MAT 5425

54-Xe-124

Elastic Legendre Coefficients



16

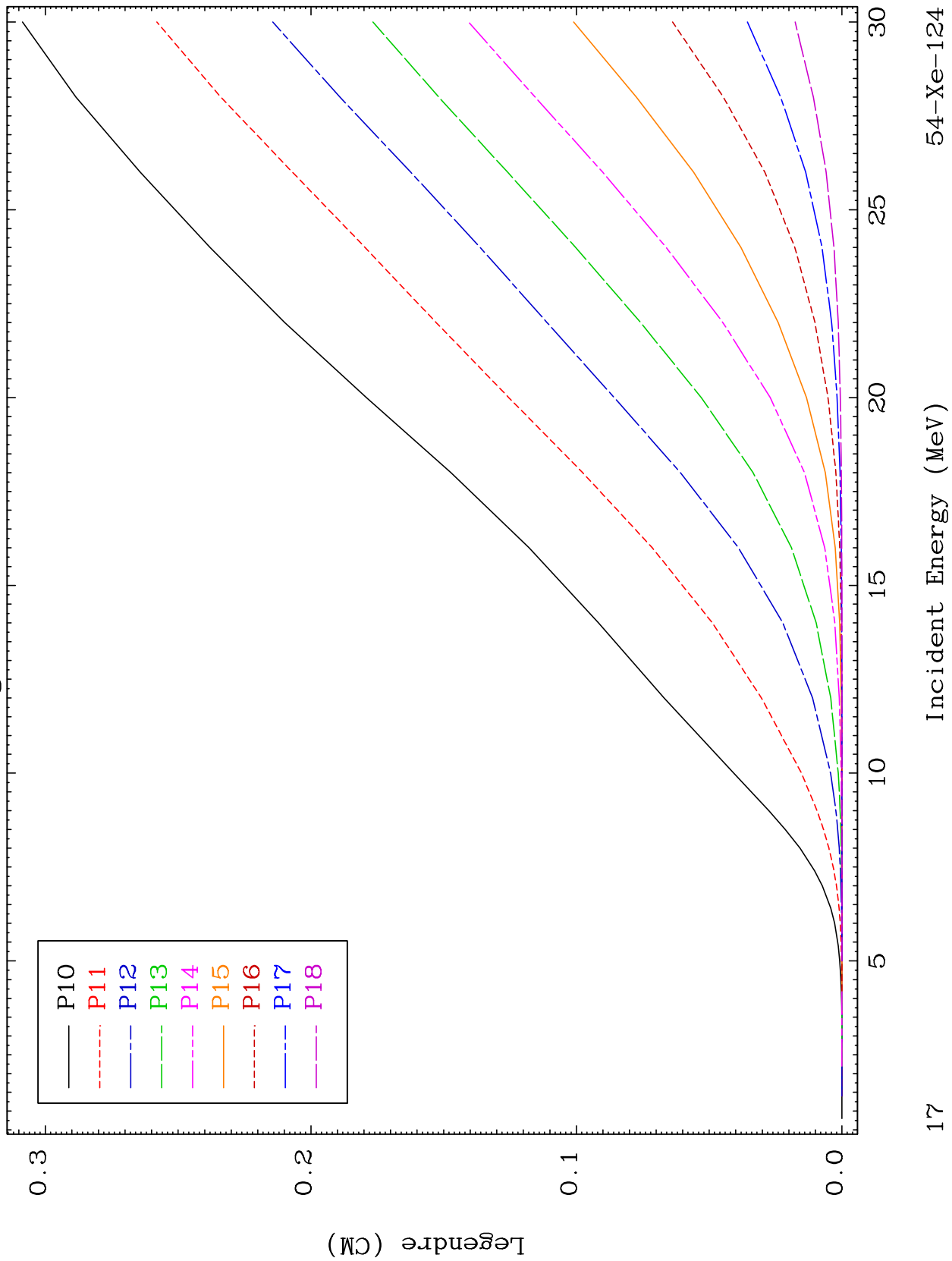
Incident Energy (MeV)

54-Xe-124

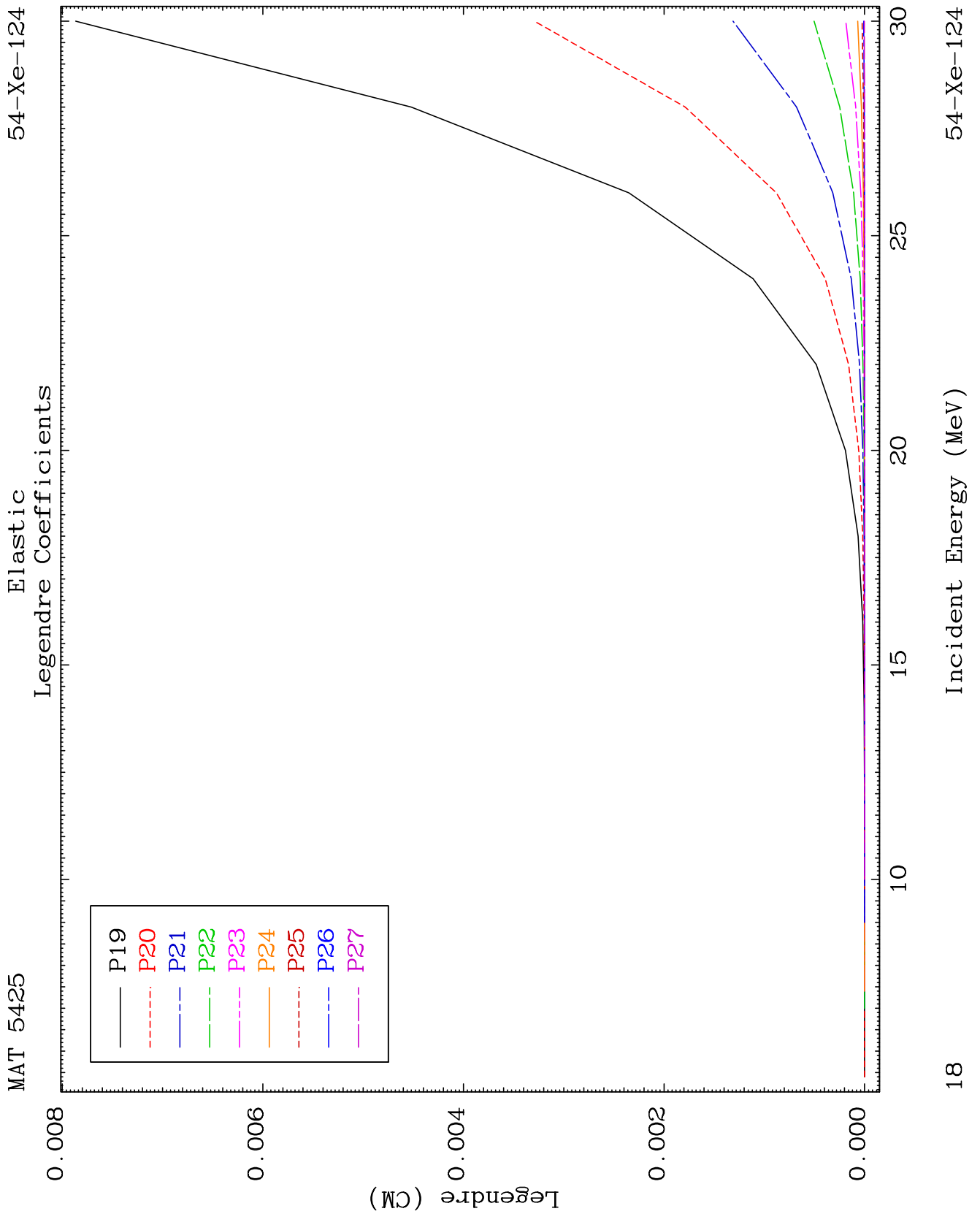
MAT 5425

Elastic Legendre Coefficients

54-Xe-124



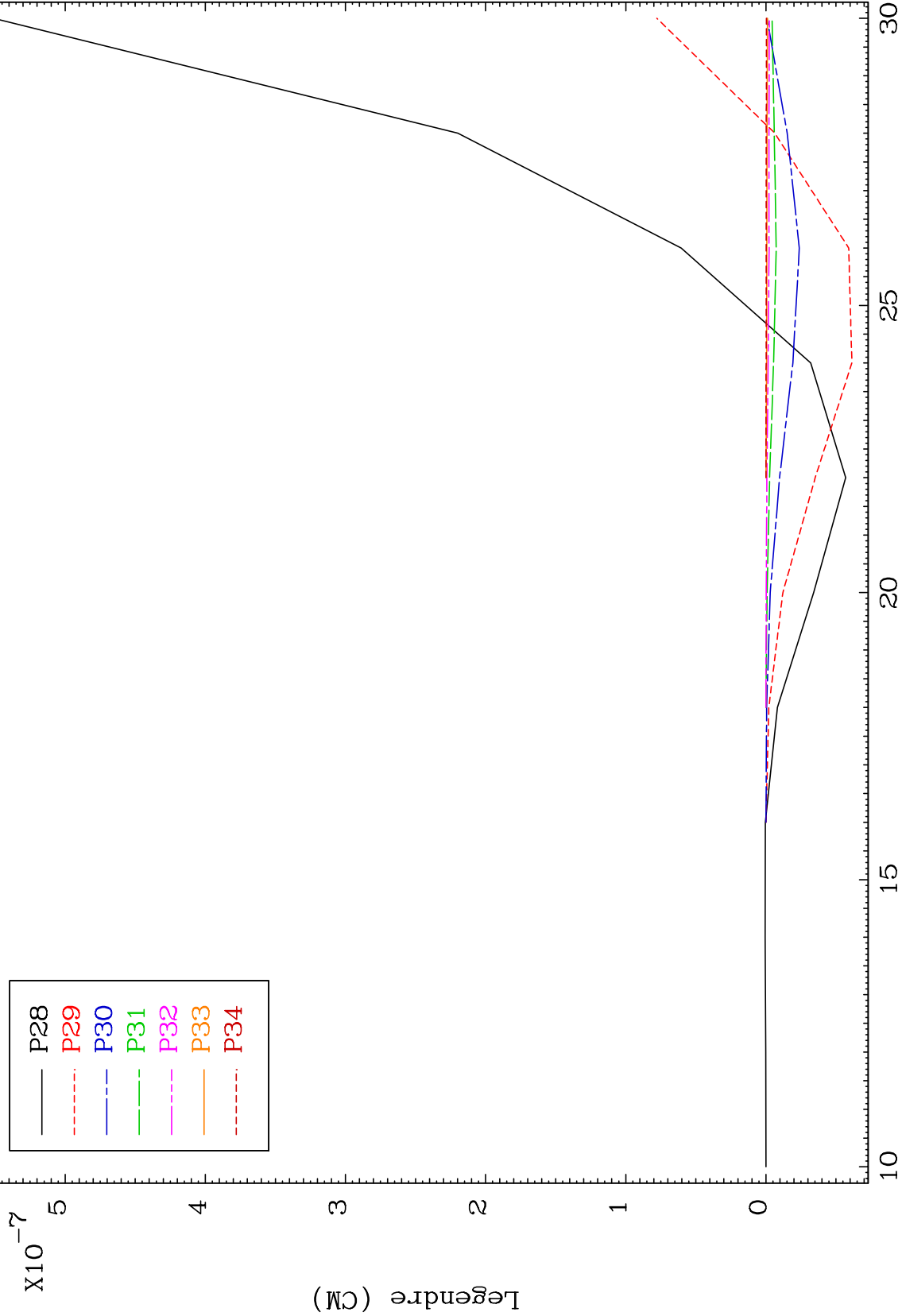
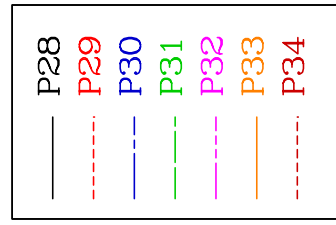
17



MAT 5425

Elastic Legendre Coefficients

54-Xe-124



19

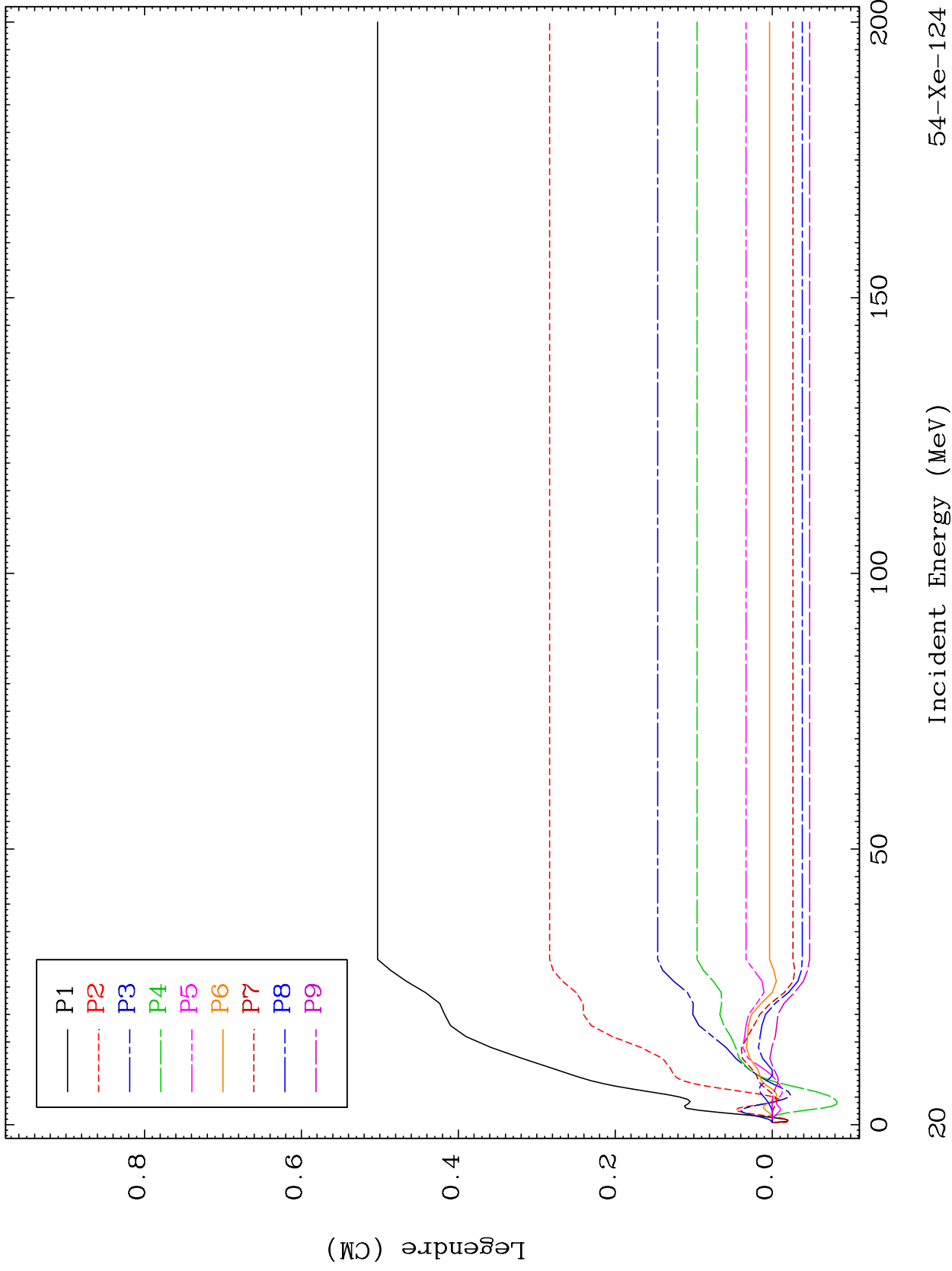
Incident Energy (MeV)

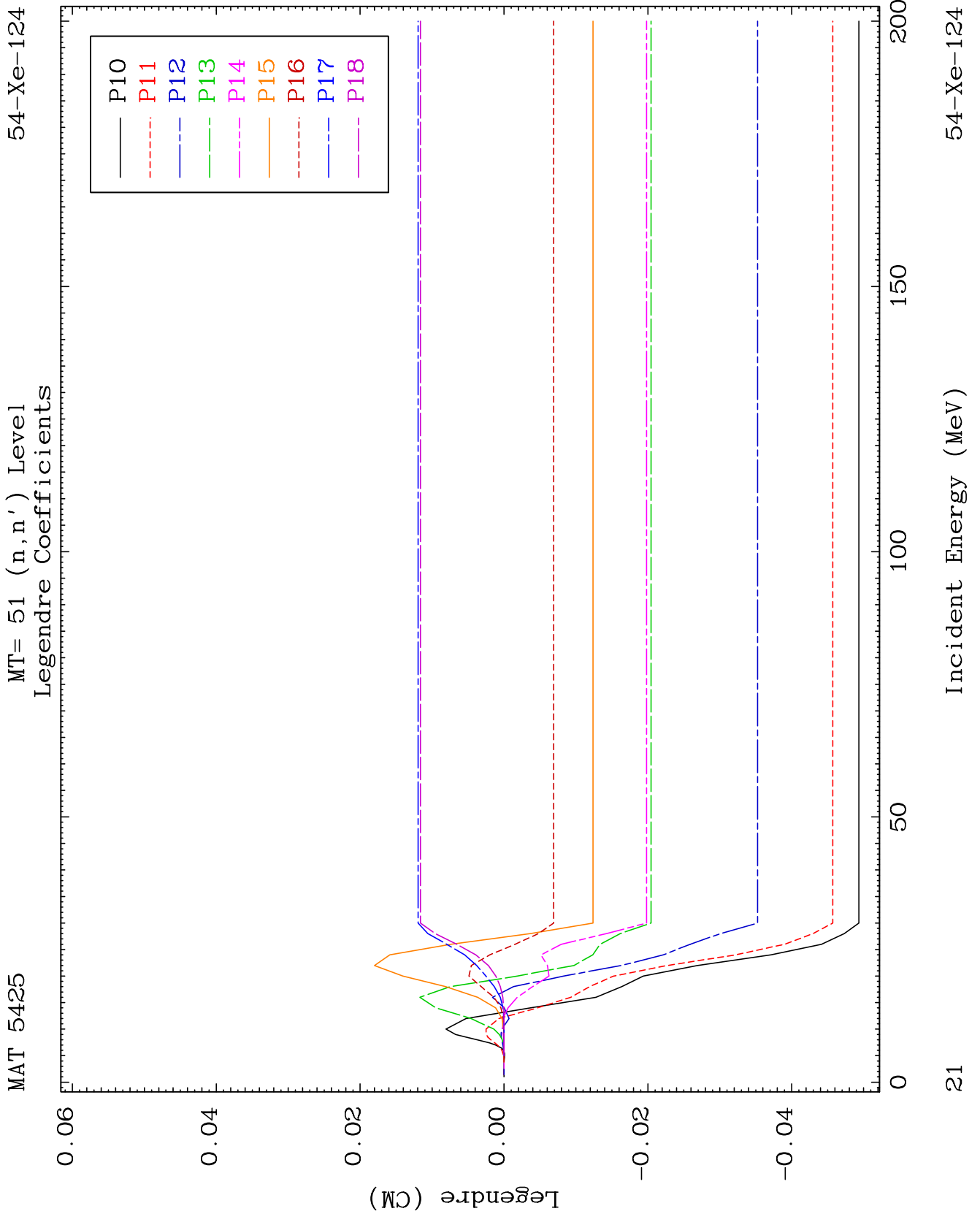
54-Xe-124

MAT 5425

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

54-Xe-124

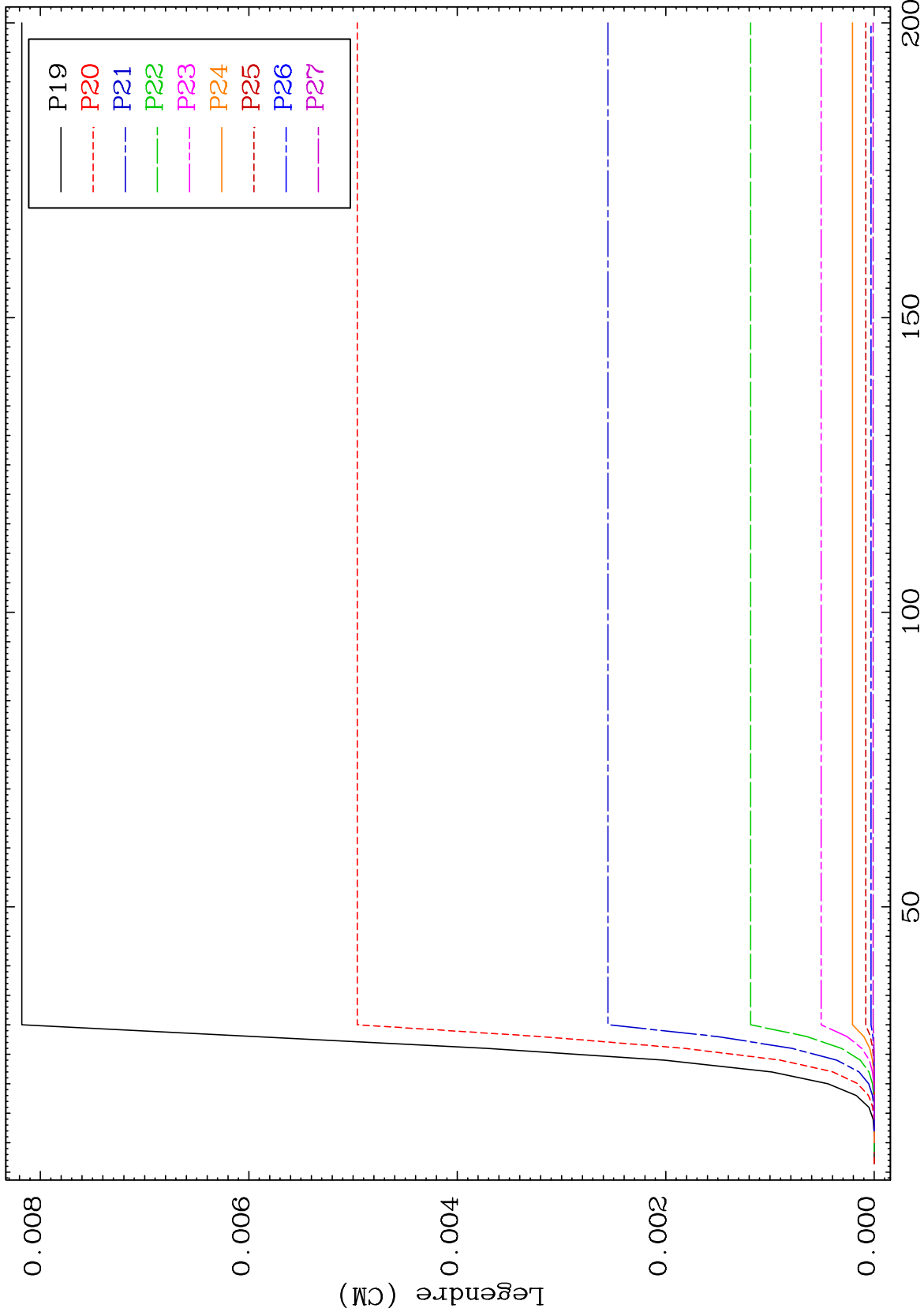




MAT 5425

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

54-Xe-124



22

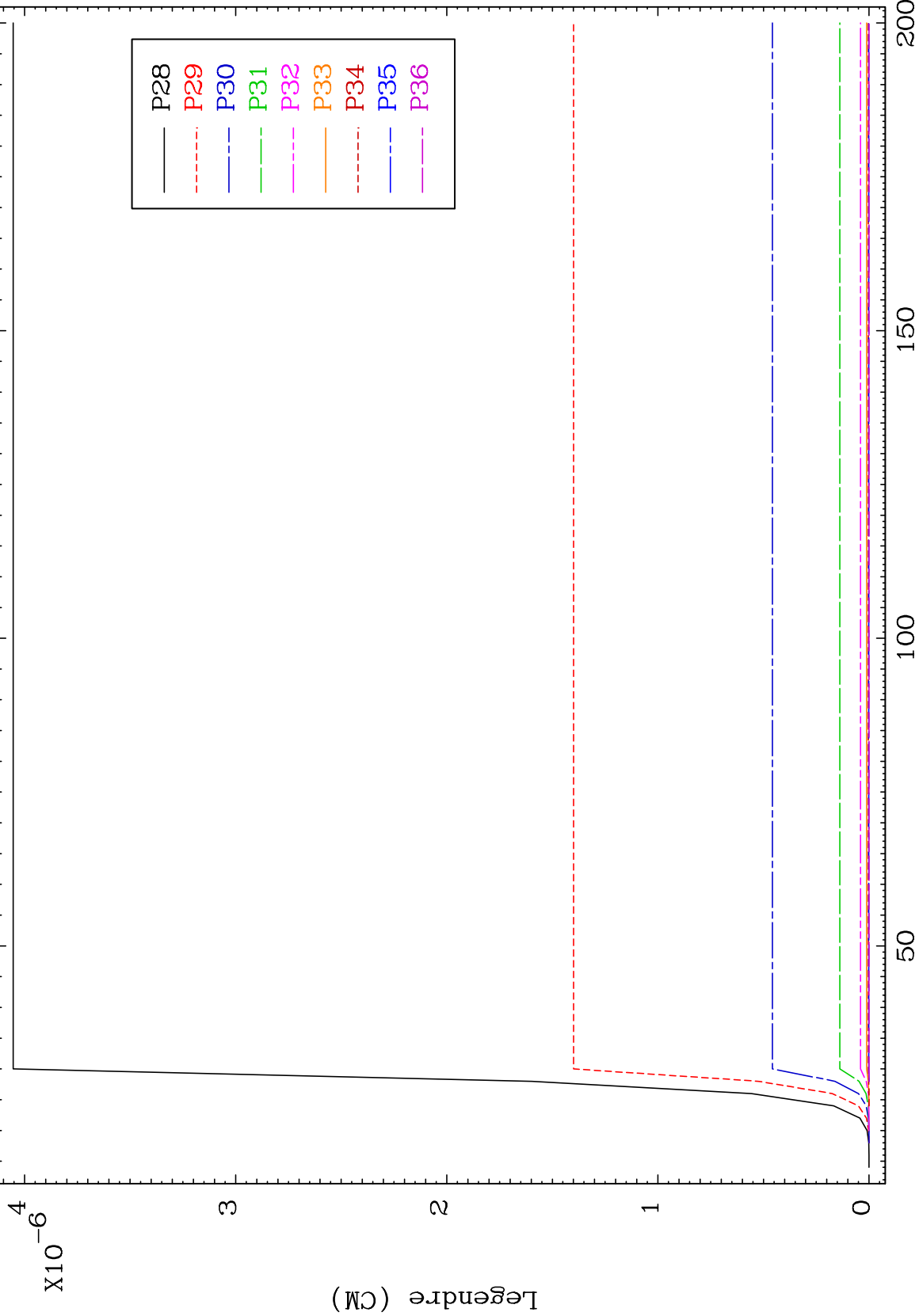
Incident Energy (MeV)

54-Xe-124

MAT 5425

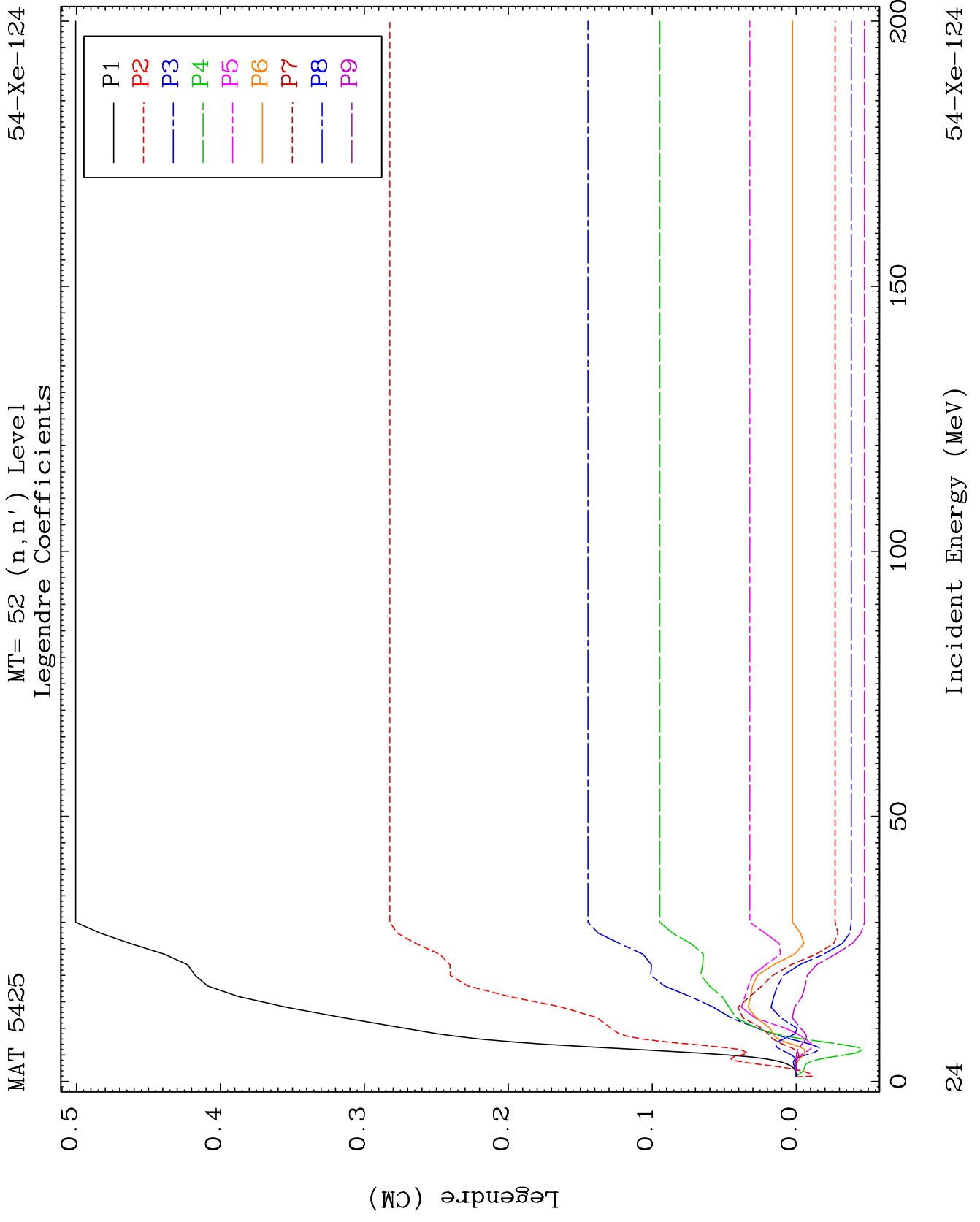
MT= 51 (n,n') Level
Legendre Coefficients

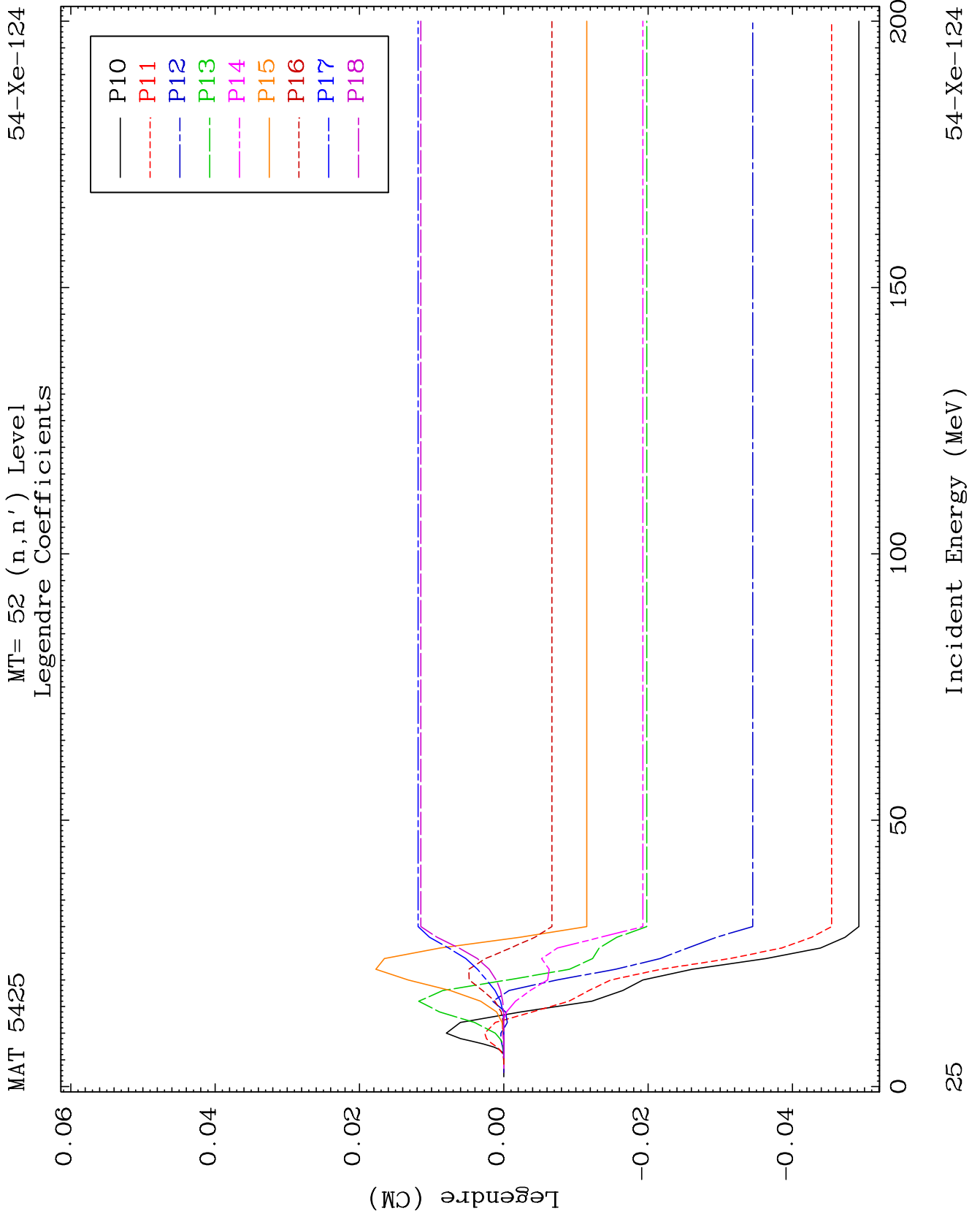
54-Xe-124



23

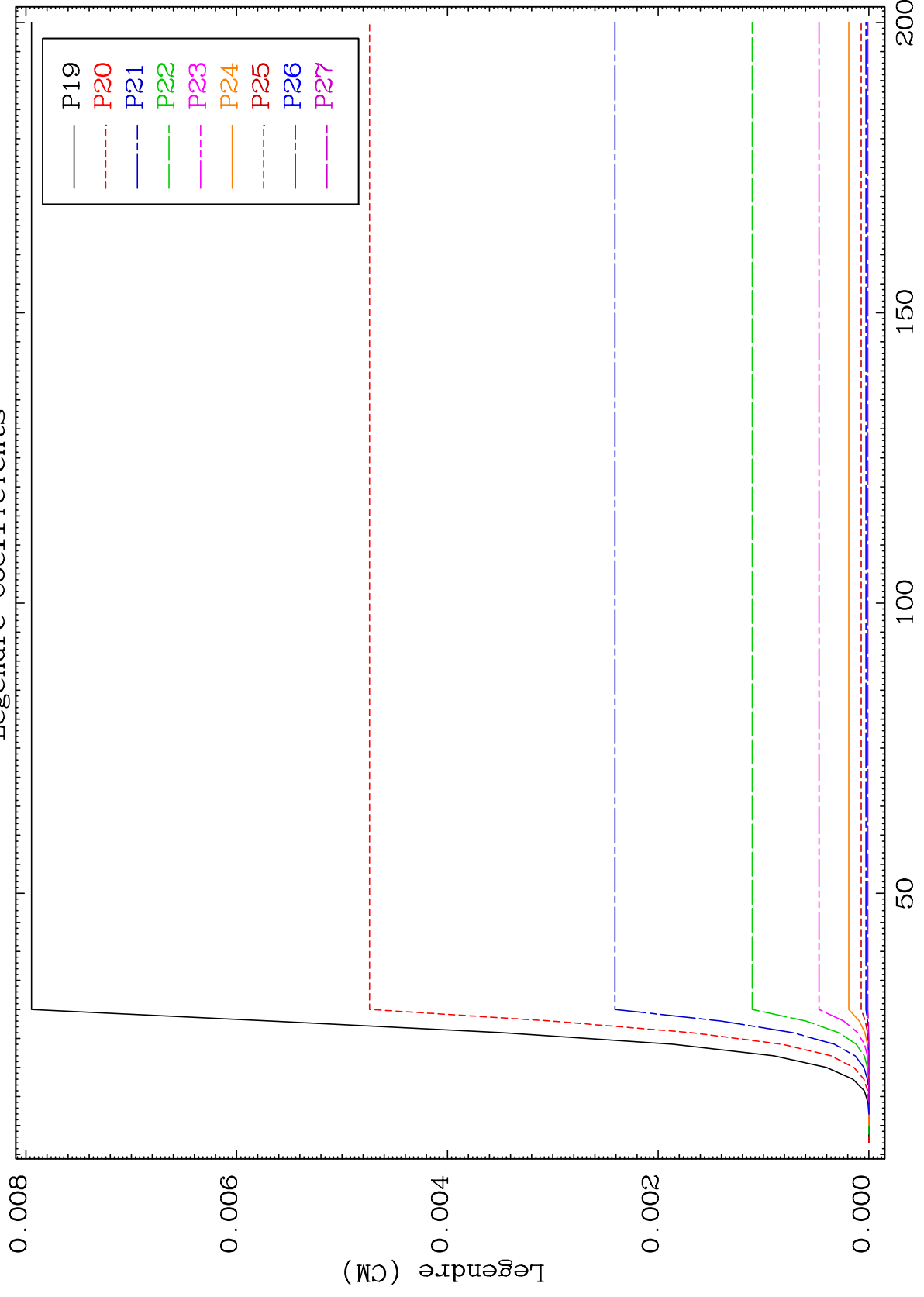
54-Xe-124





MAT 5425 MT= 52 (n,n') Level Legendre Coefficients

54-Xe-124



54-Xe-124

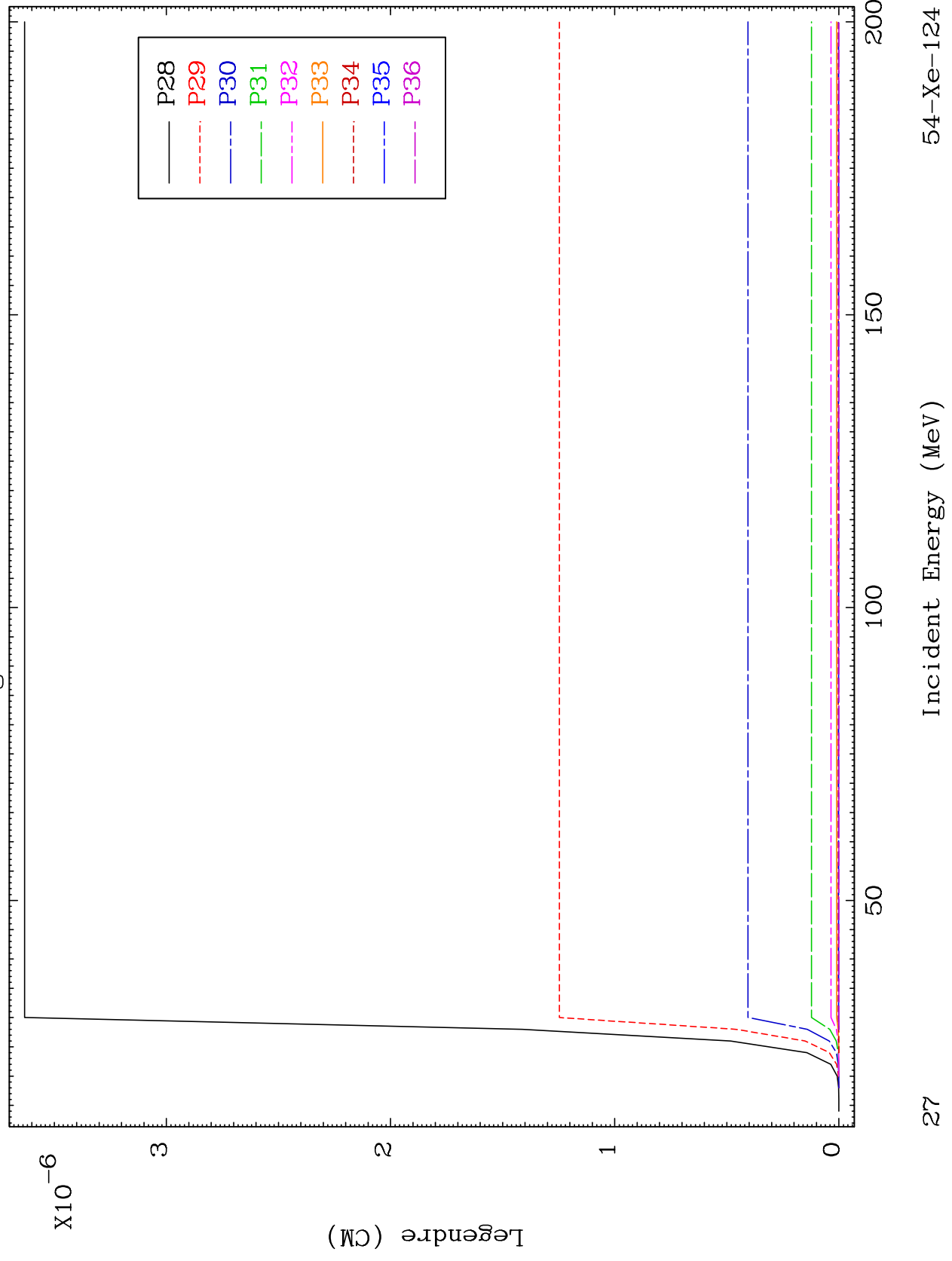
Incident Energy (MeV)

26

MAT 5425

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

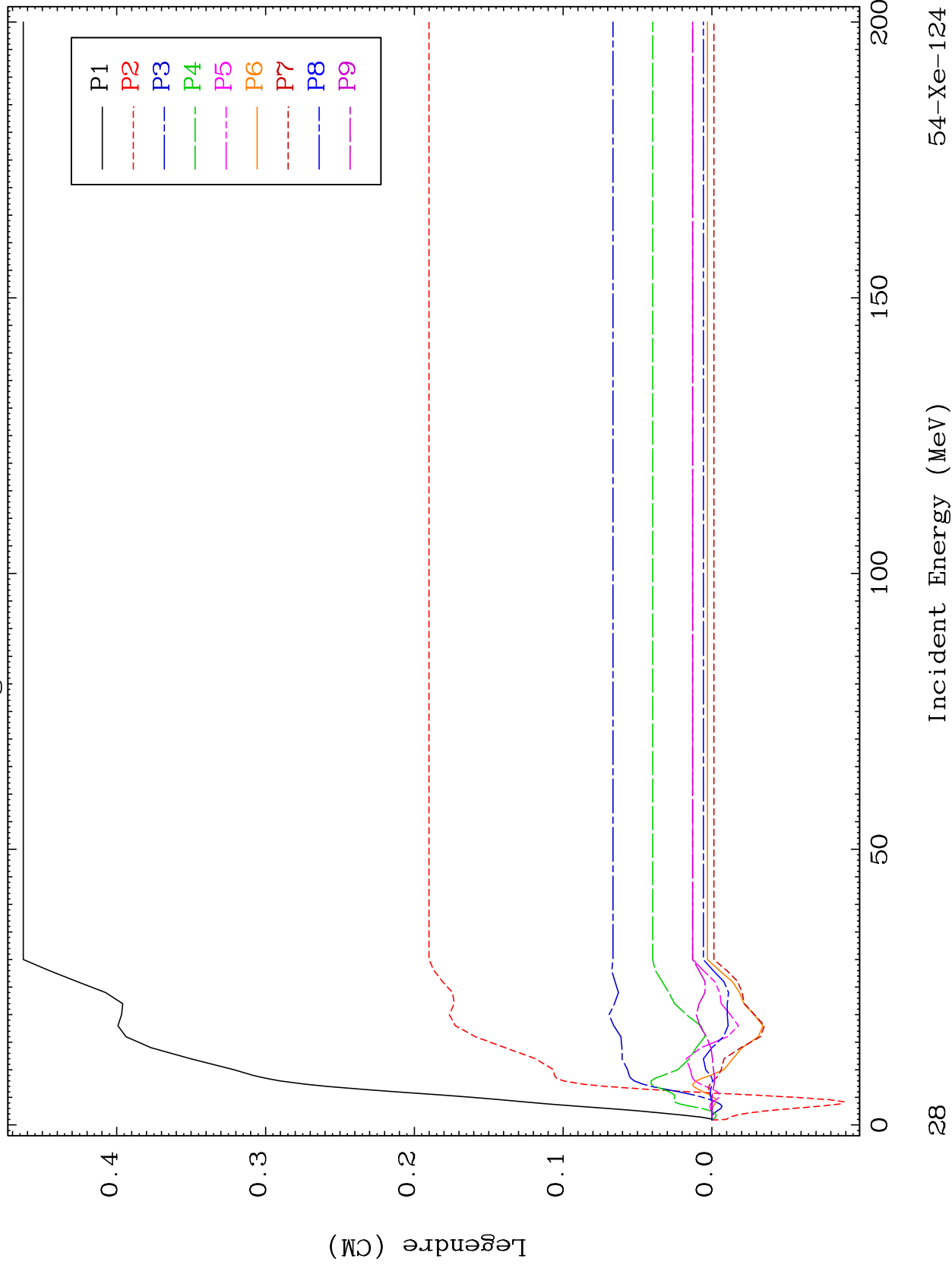
54-Xe-124



MAT 5425

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

54-Xe-124



54-Xe-124

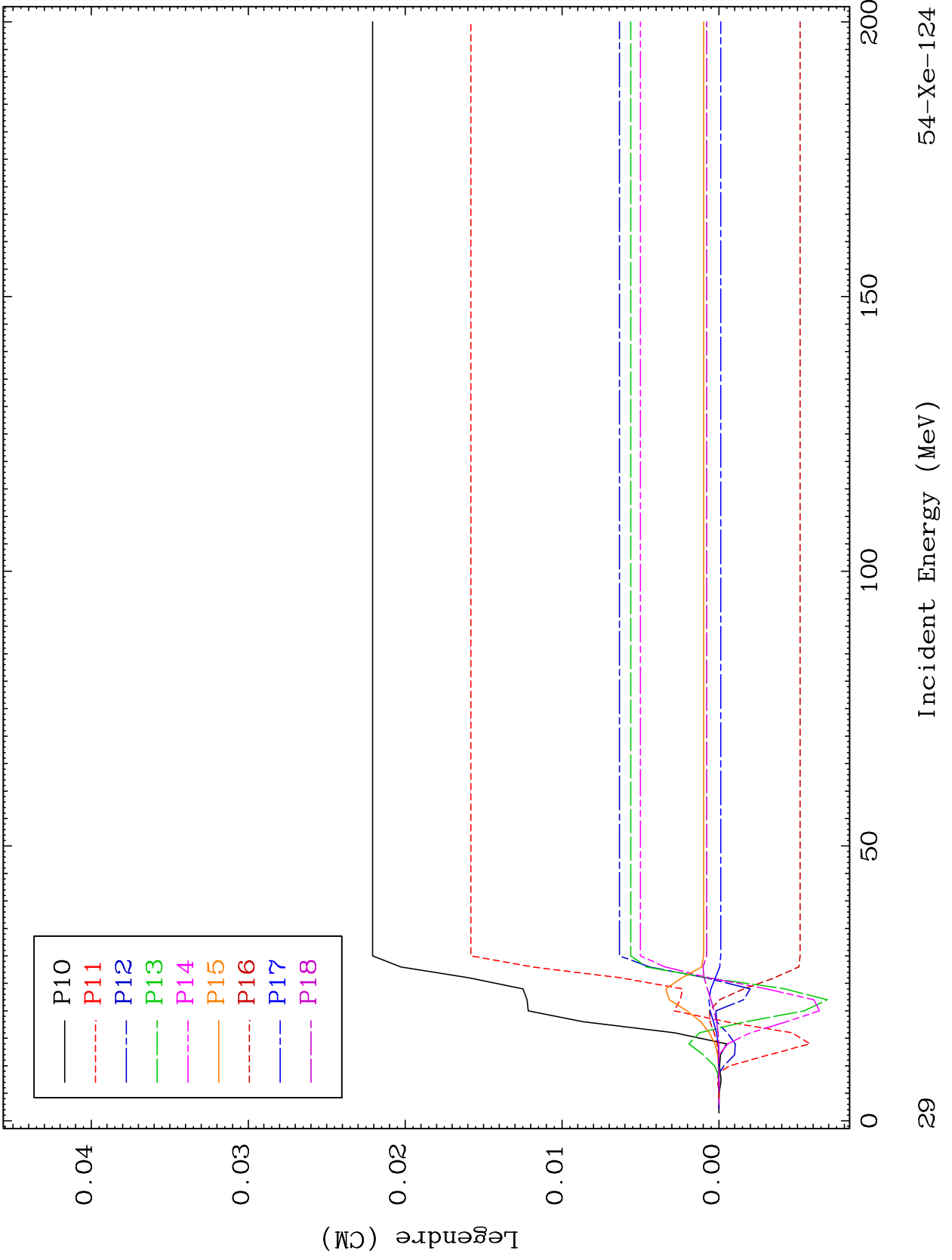
Incident Energy (MeV)

28

MAT 5425

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

54-Xe-124



29

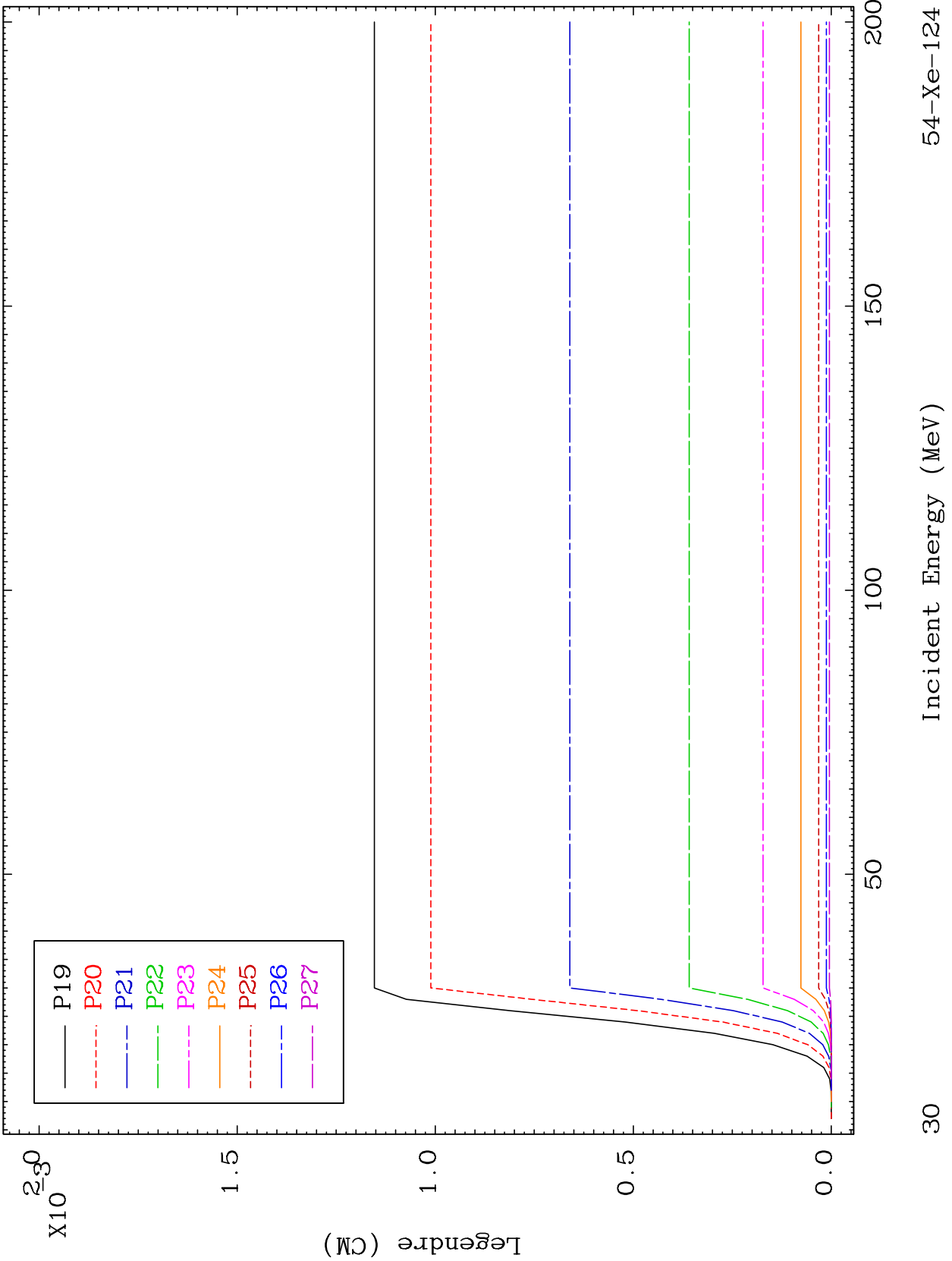
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

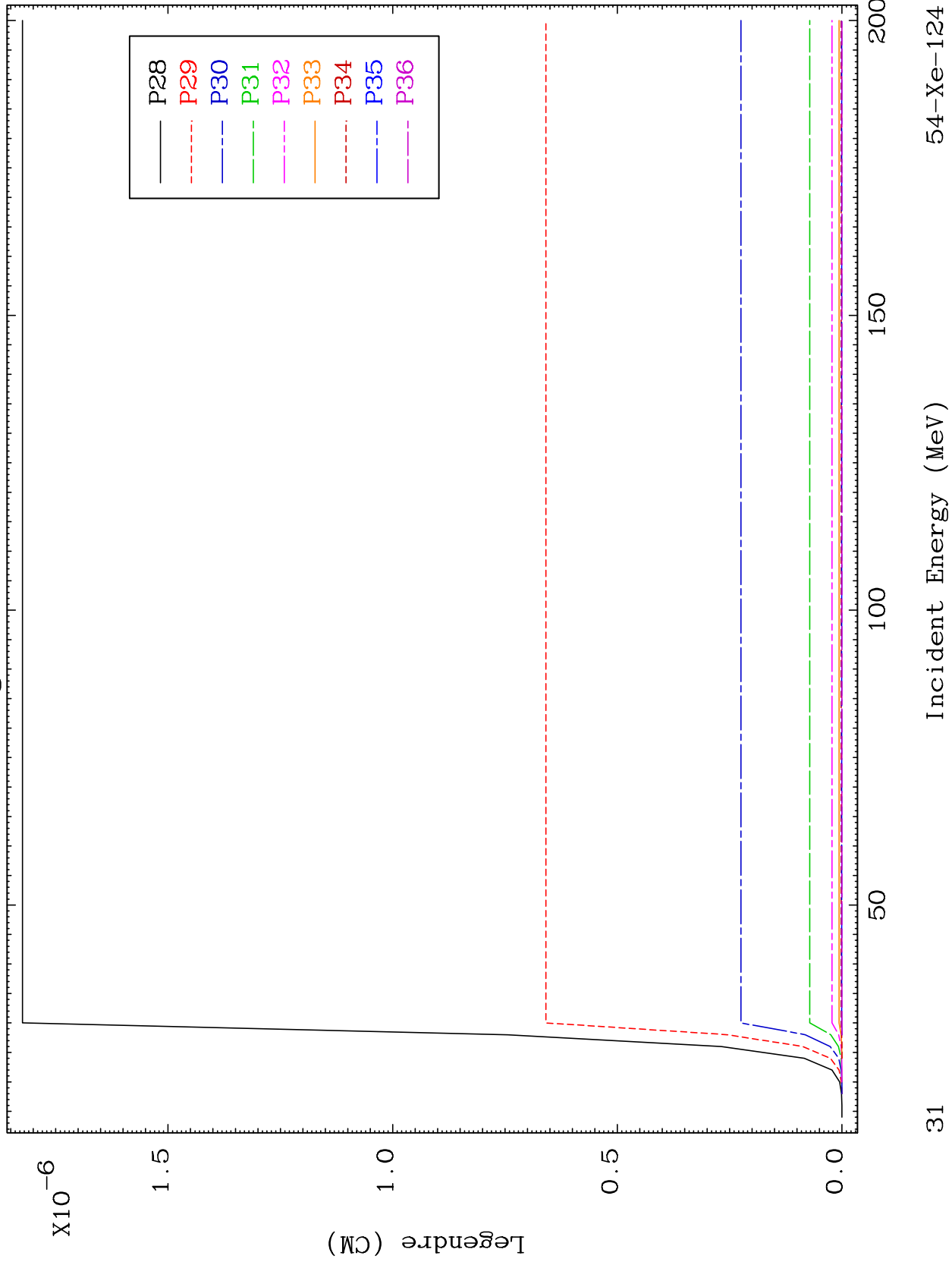
54-Xe-124



MAT 5425

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

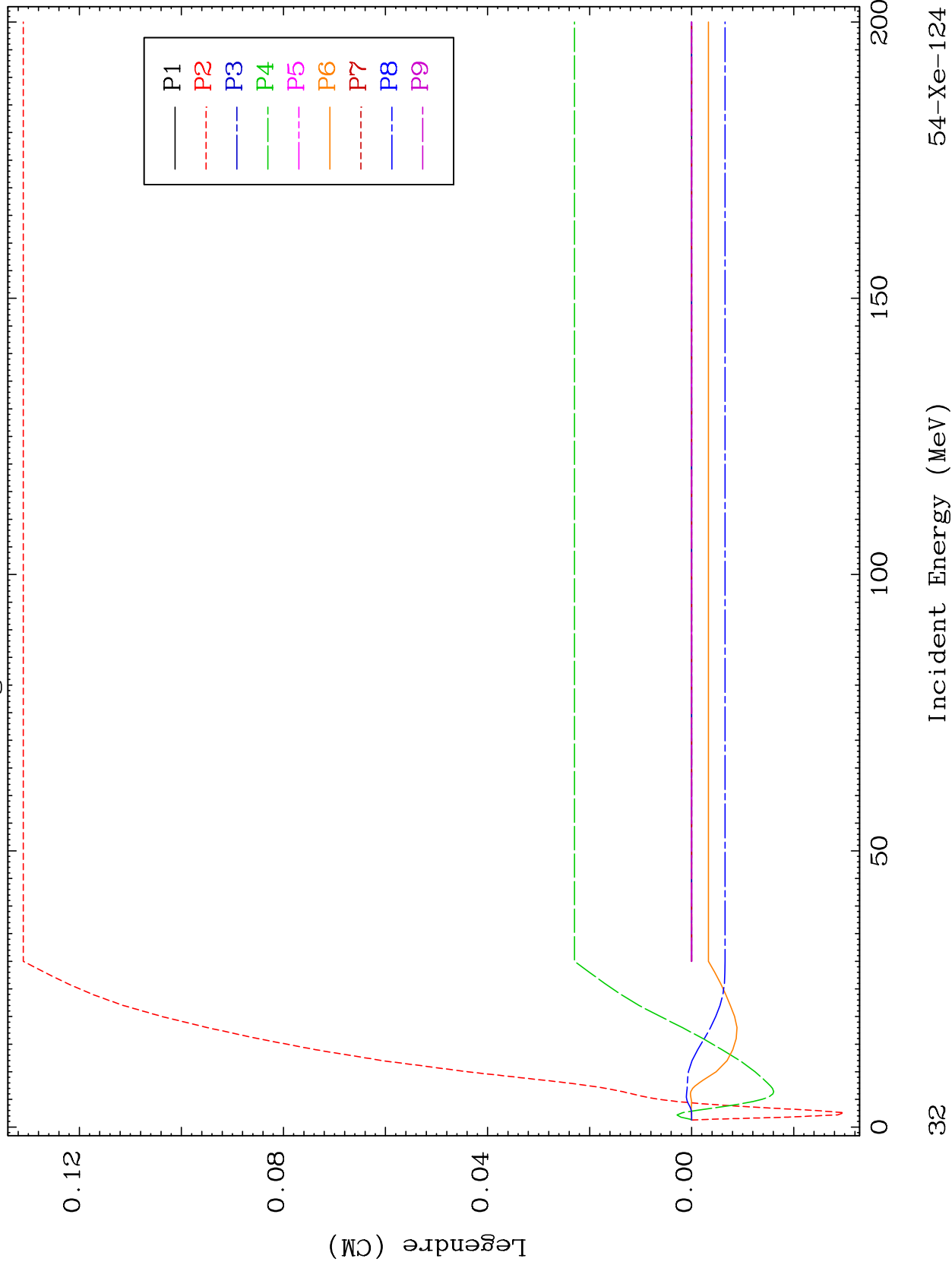
54-Xe-124



MAT 5425

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

54-Xe-124



54-Xe-124

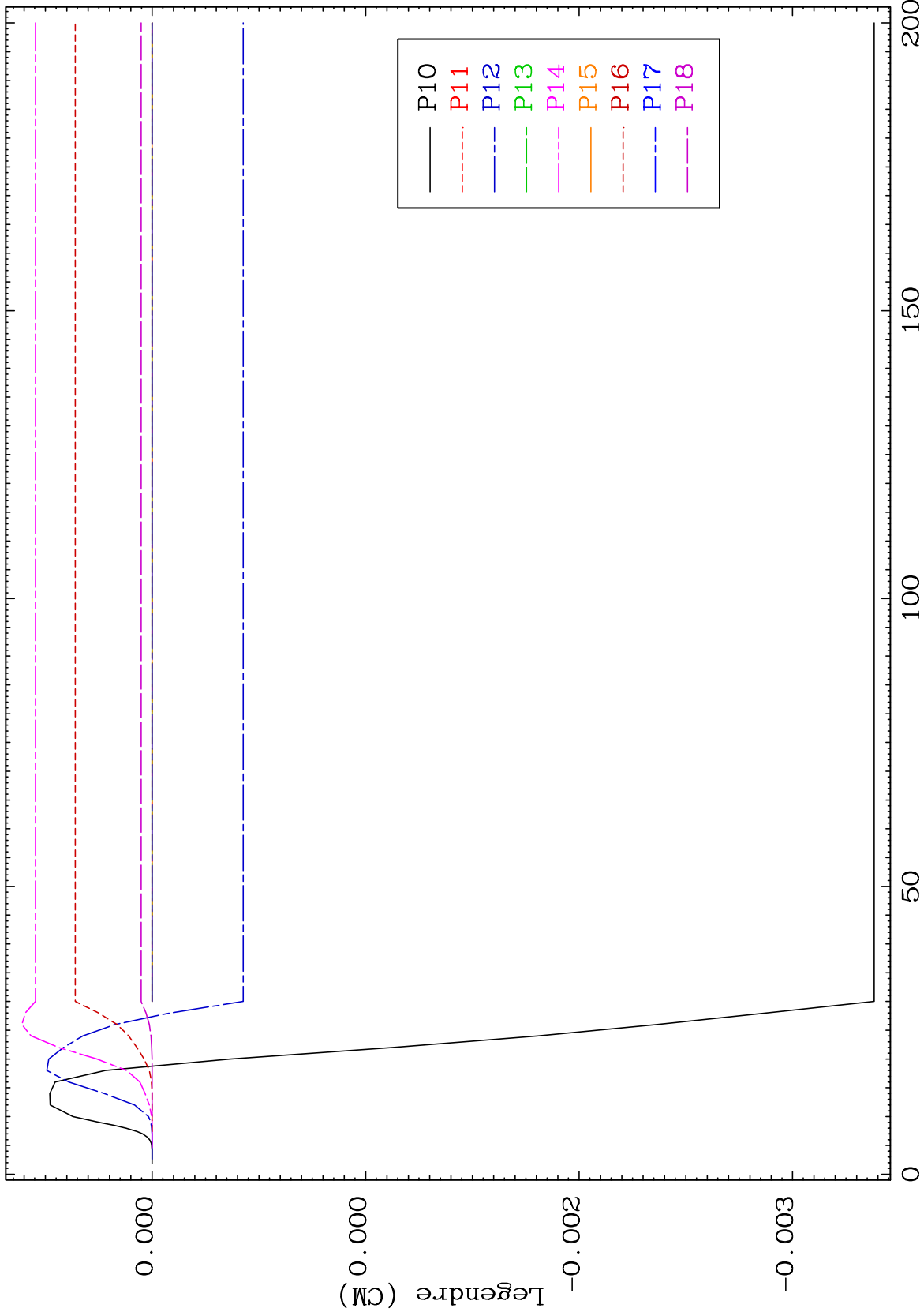
Incident Energy (MeV)

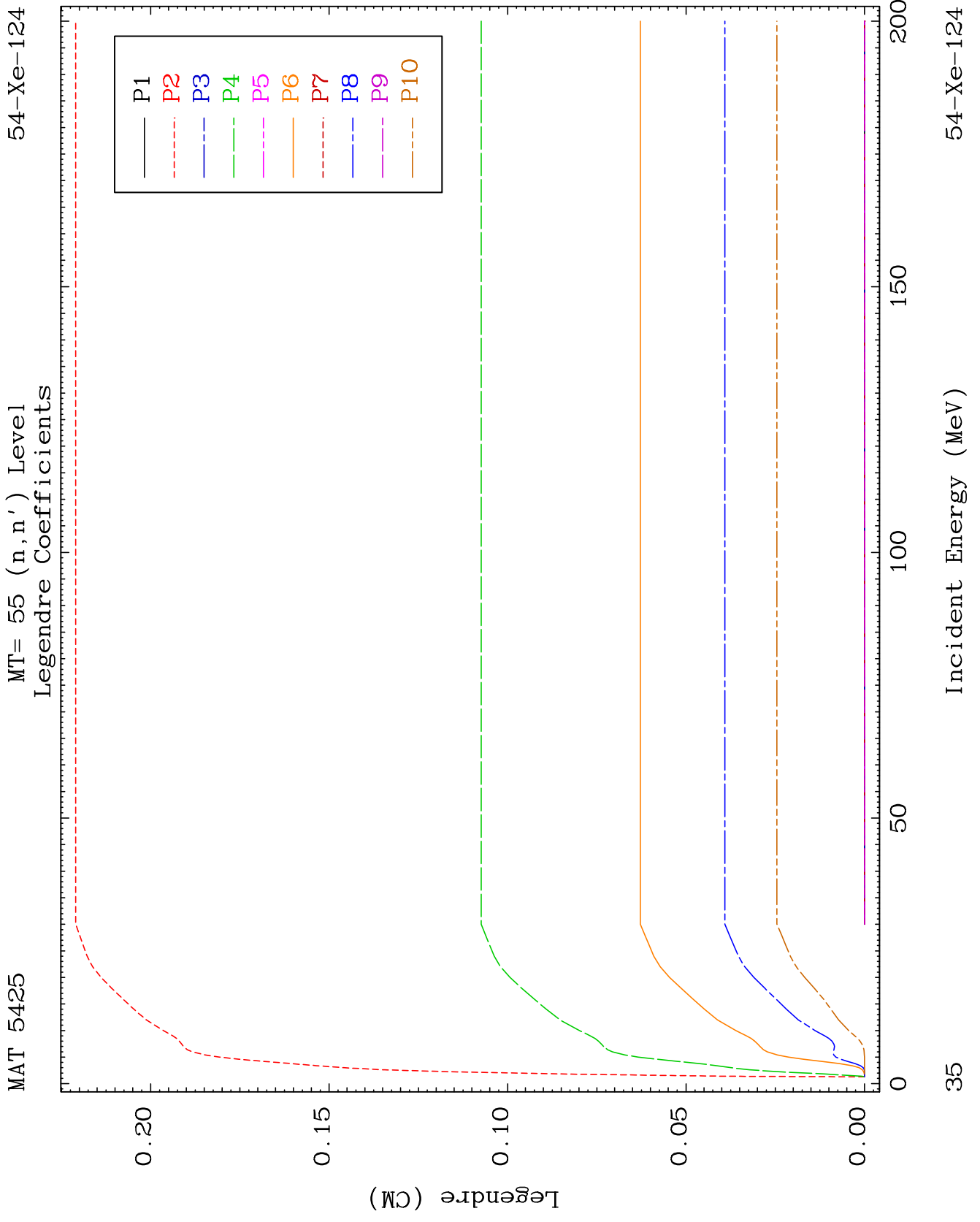
32

MAT 5425

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

54-Xe-124

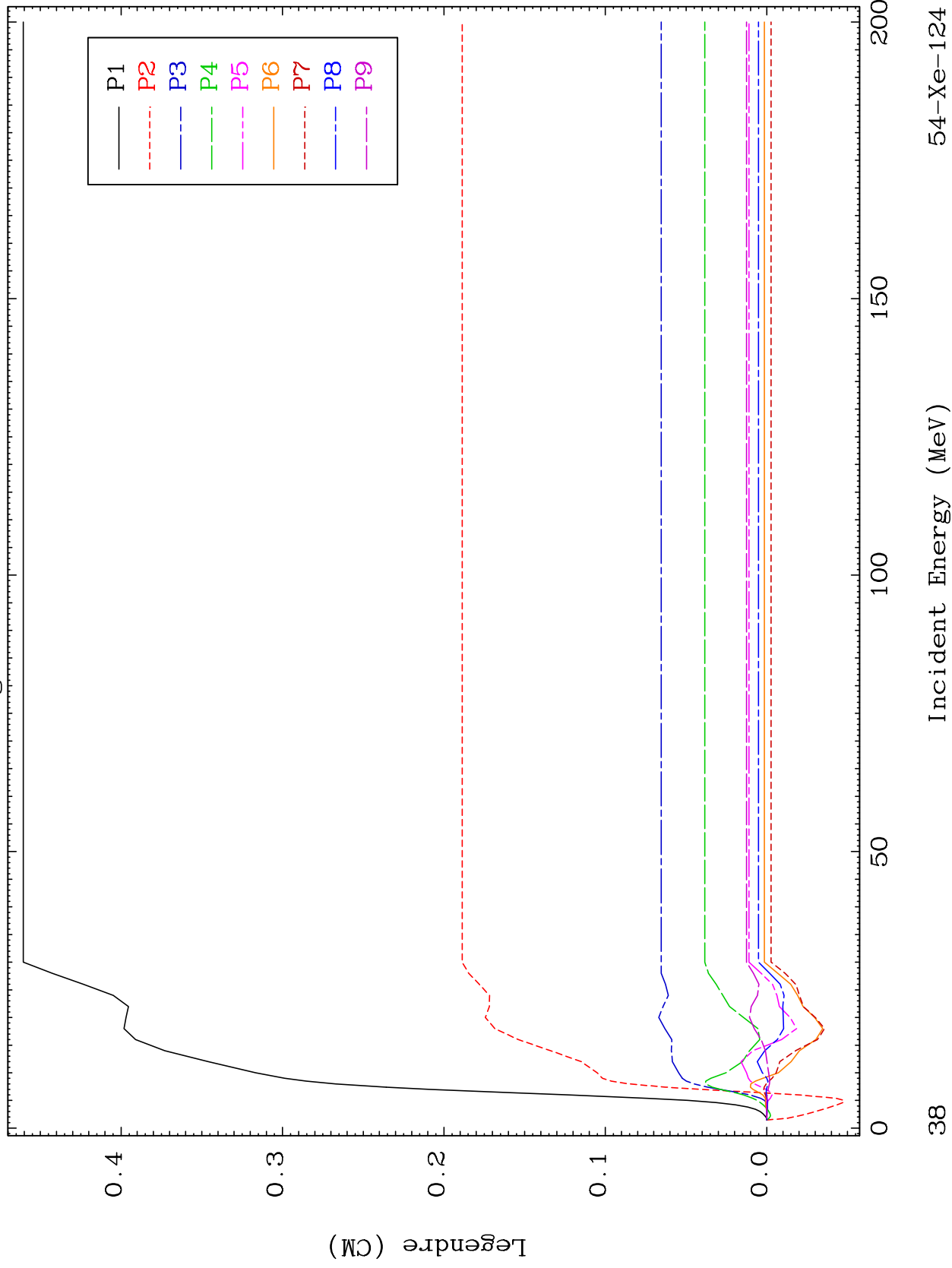




MAT 5425

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

54-Xe-124



54-Xe-124

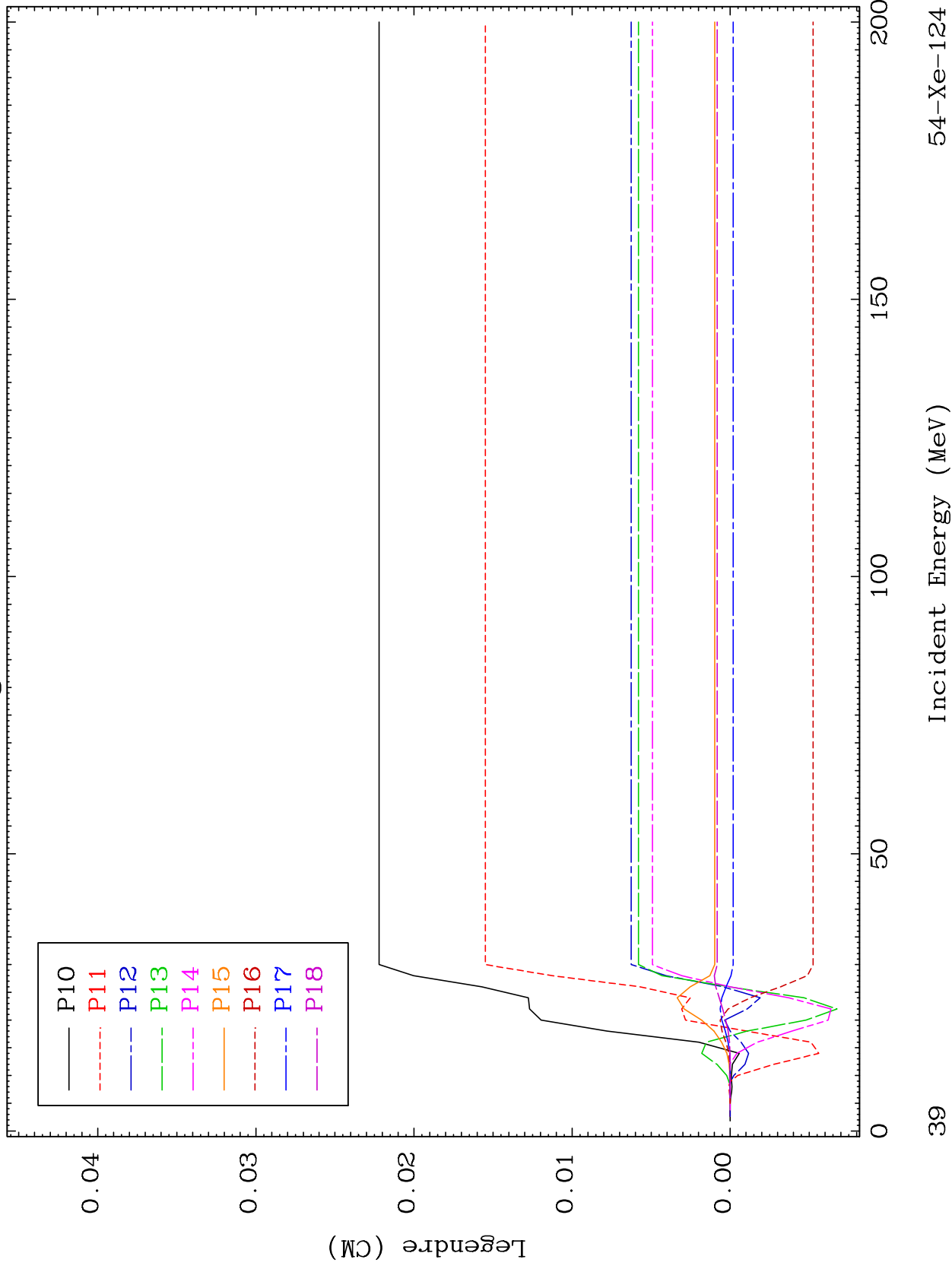
Incident Energy (MeV)

38

MAT 5425

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

54-Xe-124



39

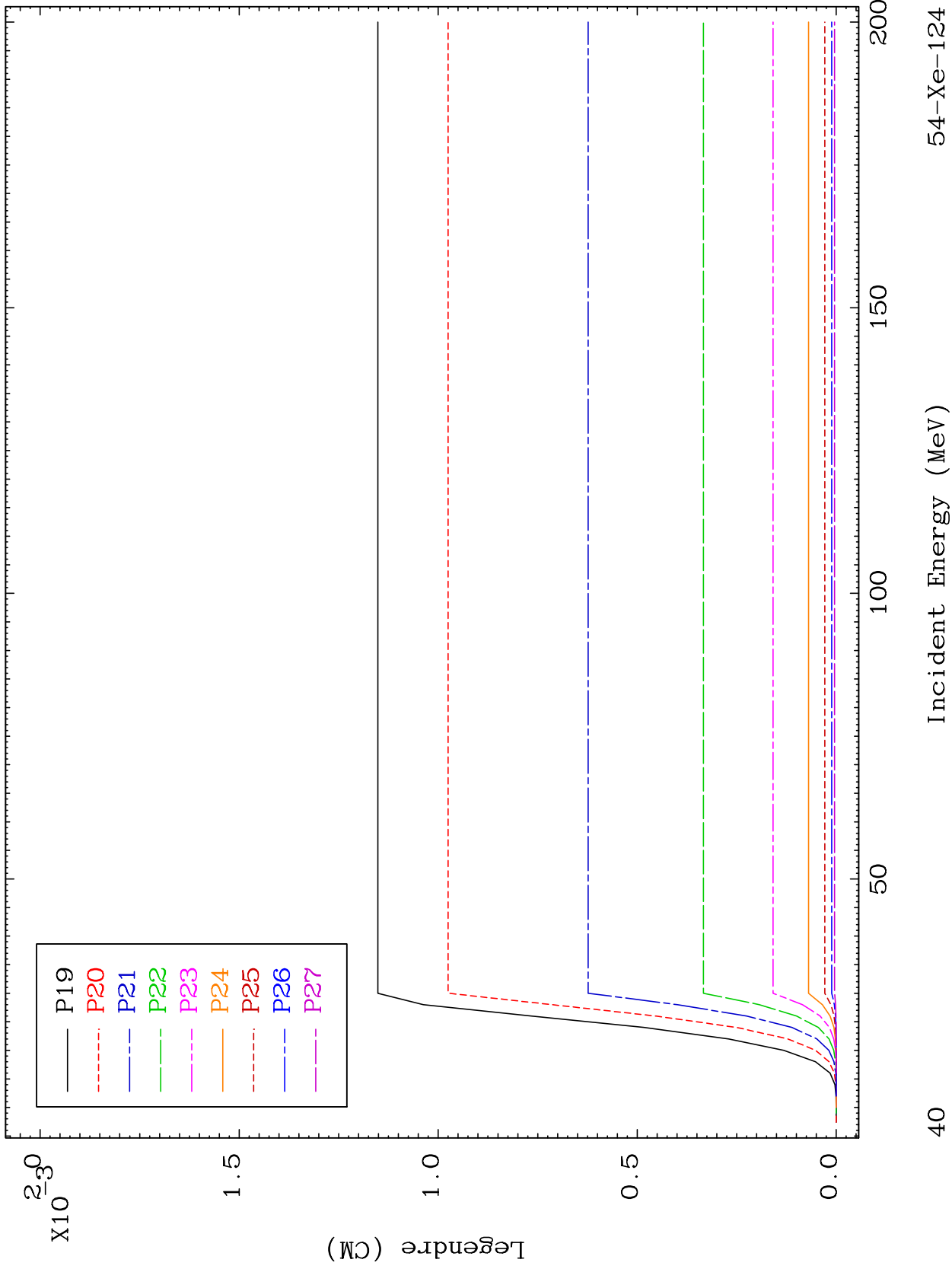
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

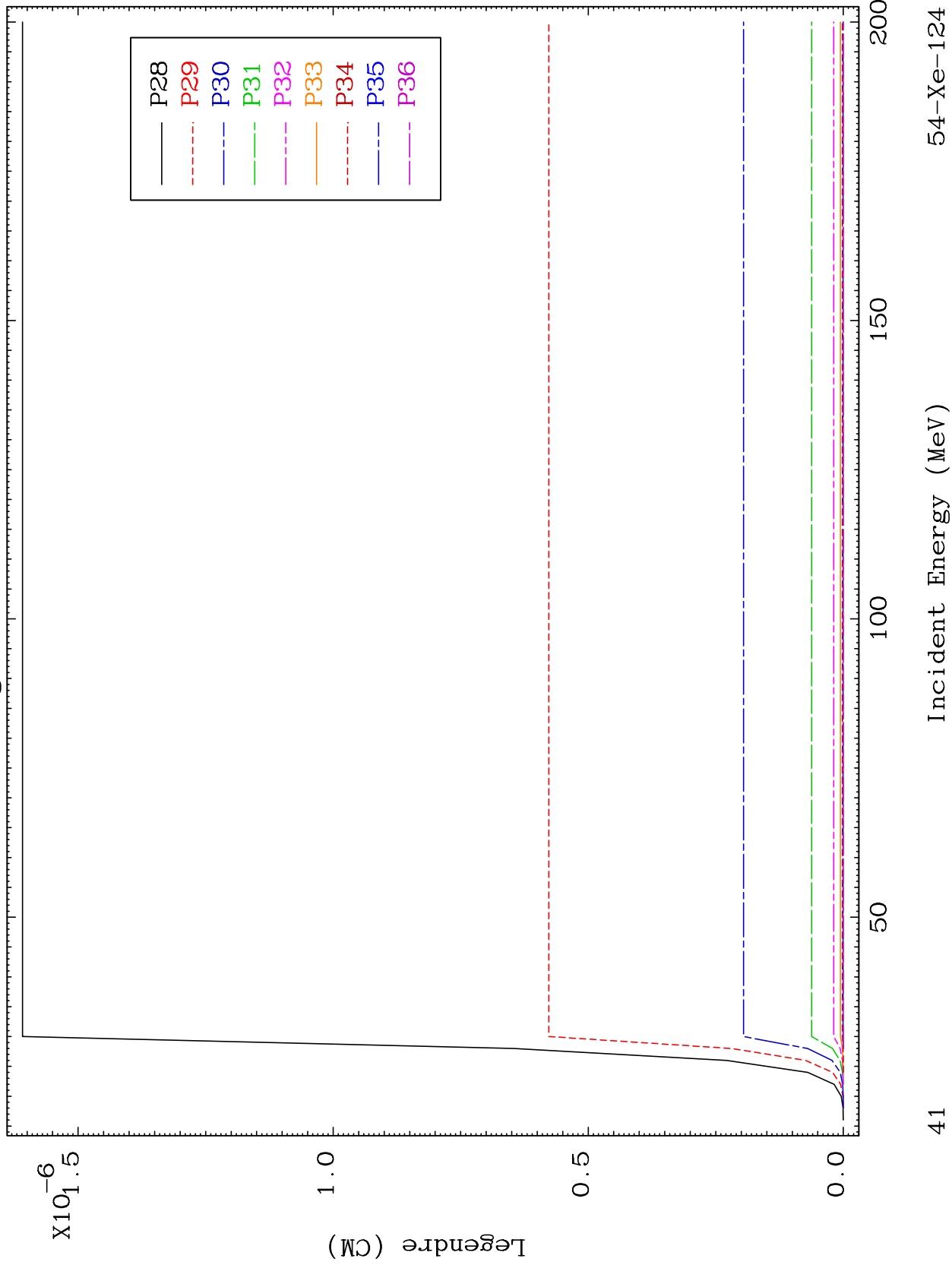
54-Xe-124



MAT 5425

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

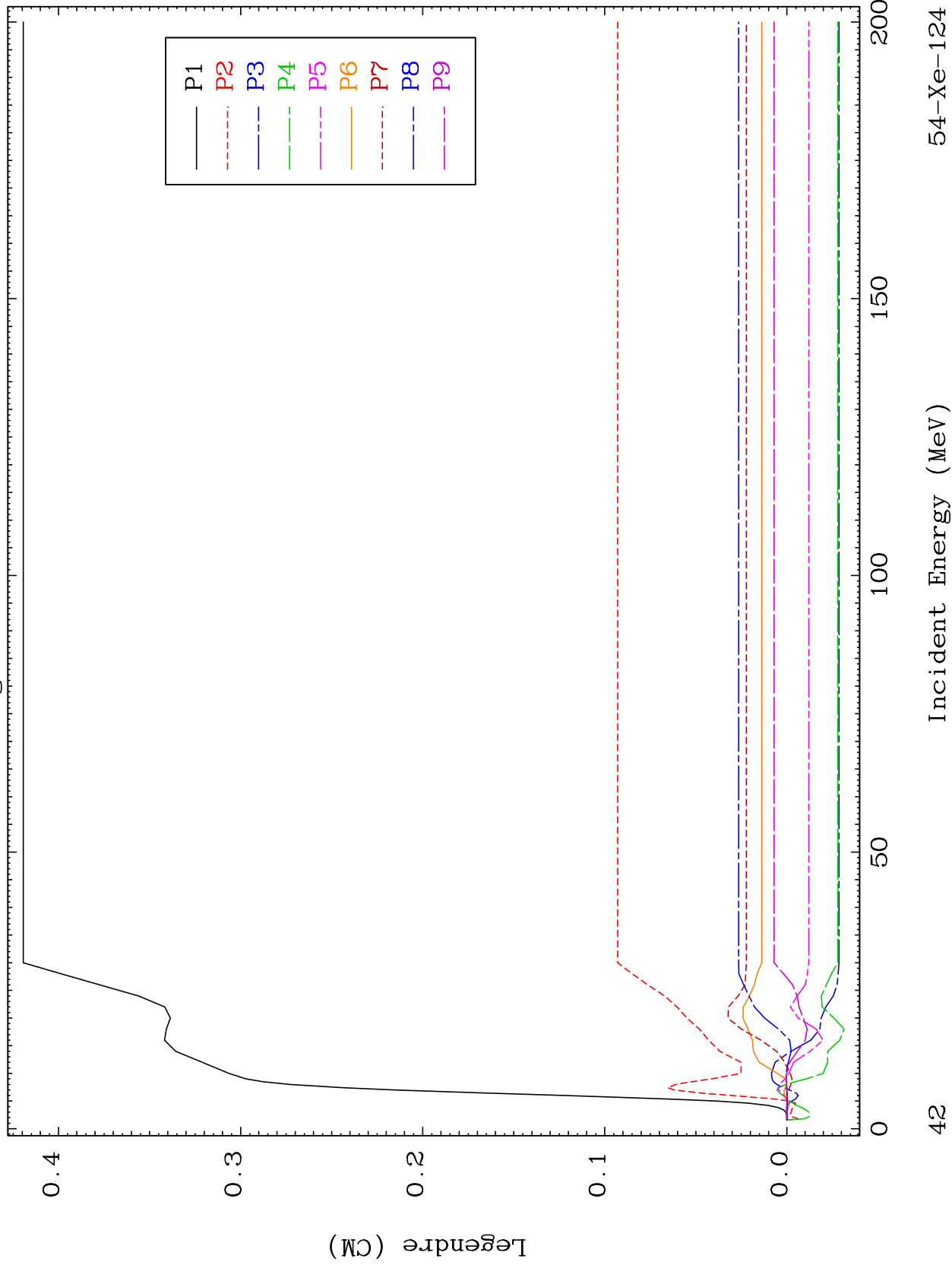
54-Xe-124



MAT 5425

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

54-Xe-124



54-Xe-124

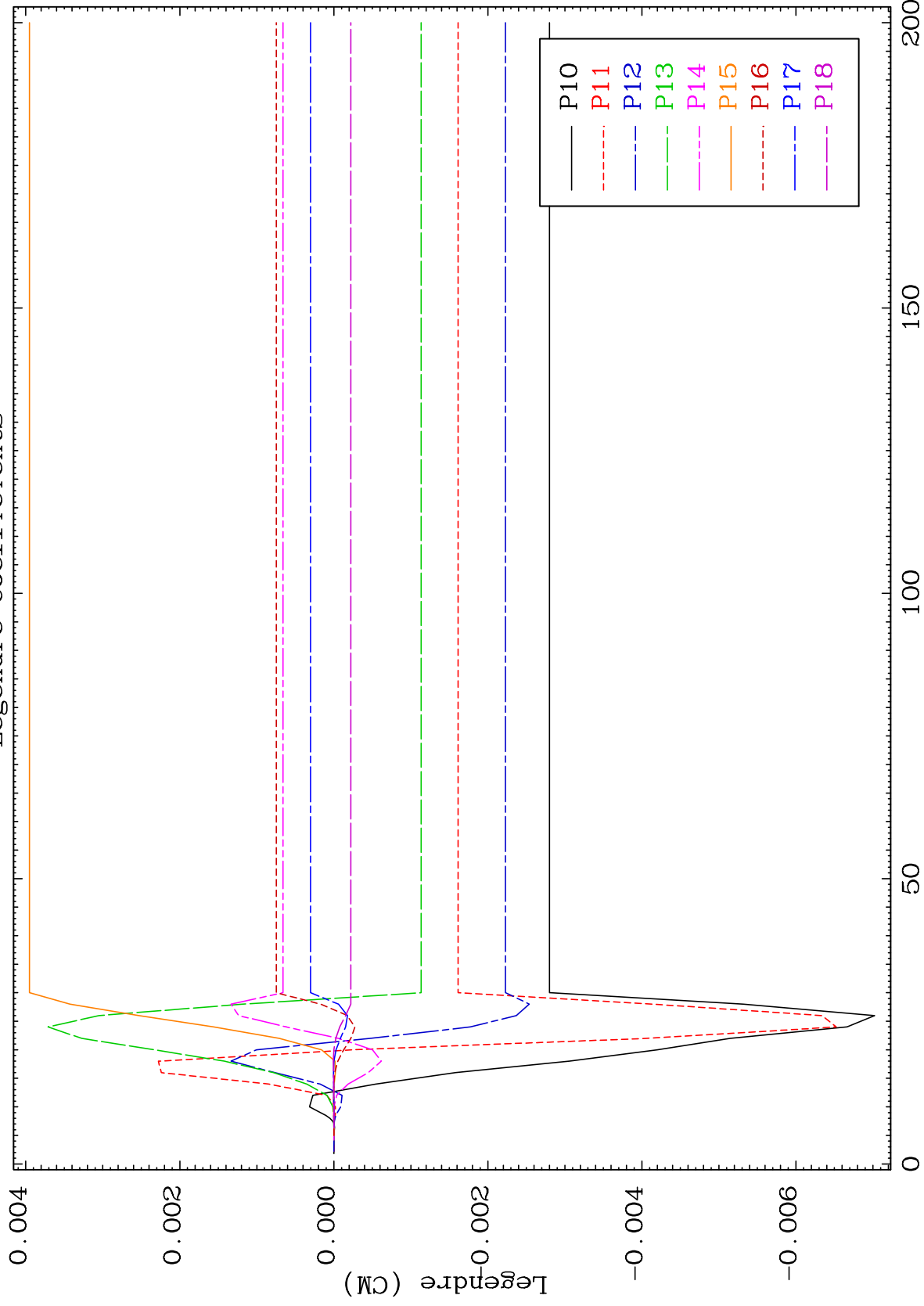
Incident Energy (MeV)

42

MAT 5425

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

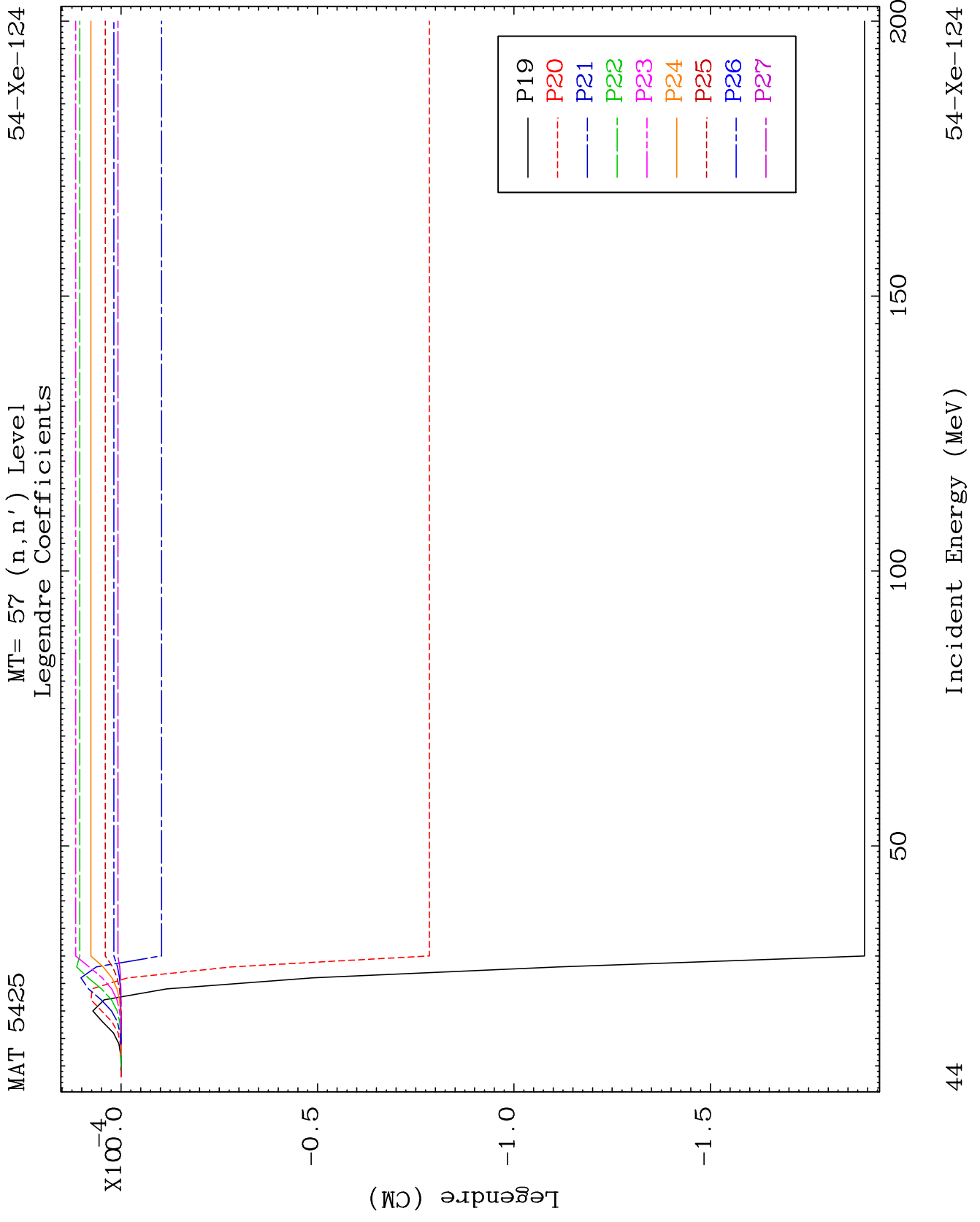
54-Xe-124



43

Incident Energy (MeV)

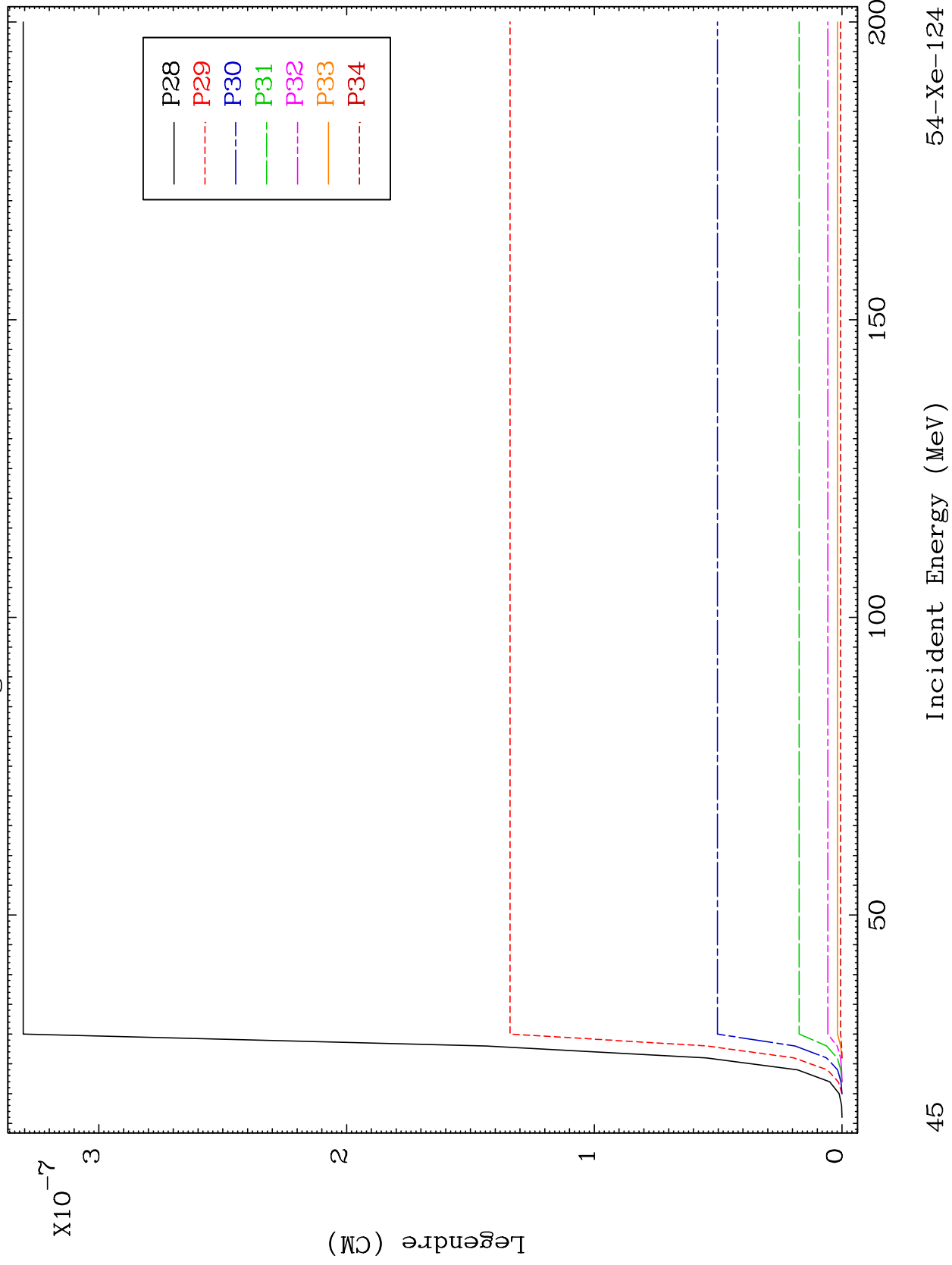
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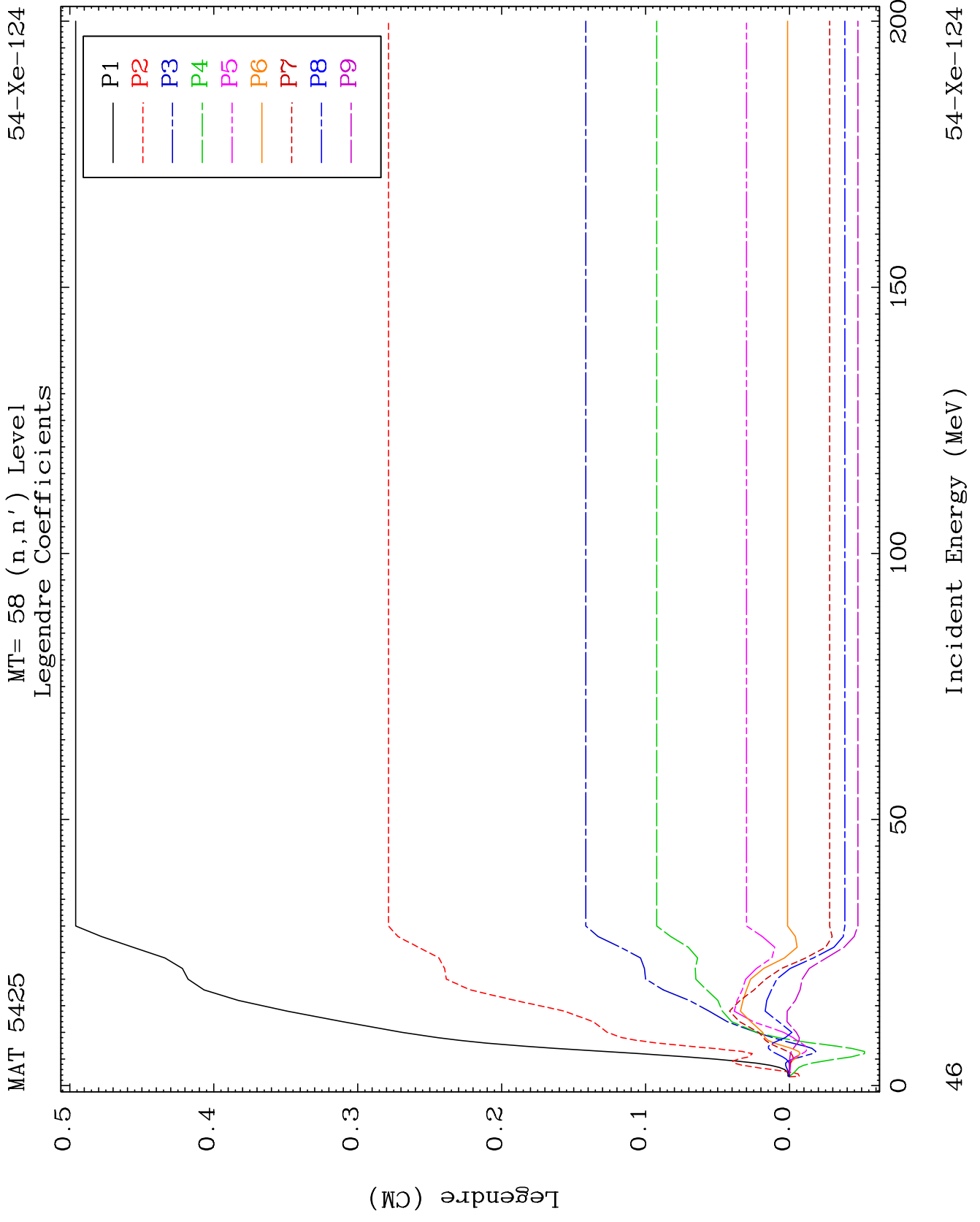


MAT 5425

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

54-Xe-124

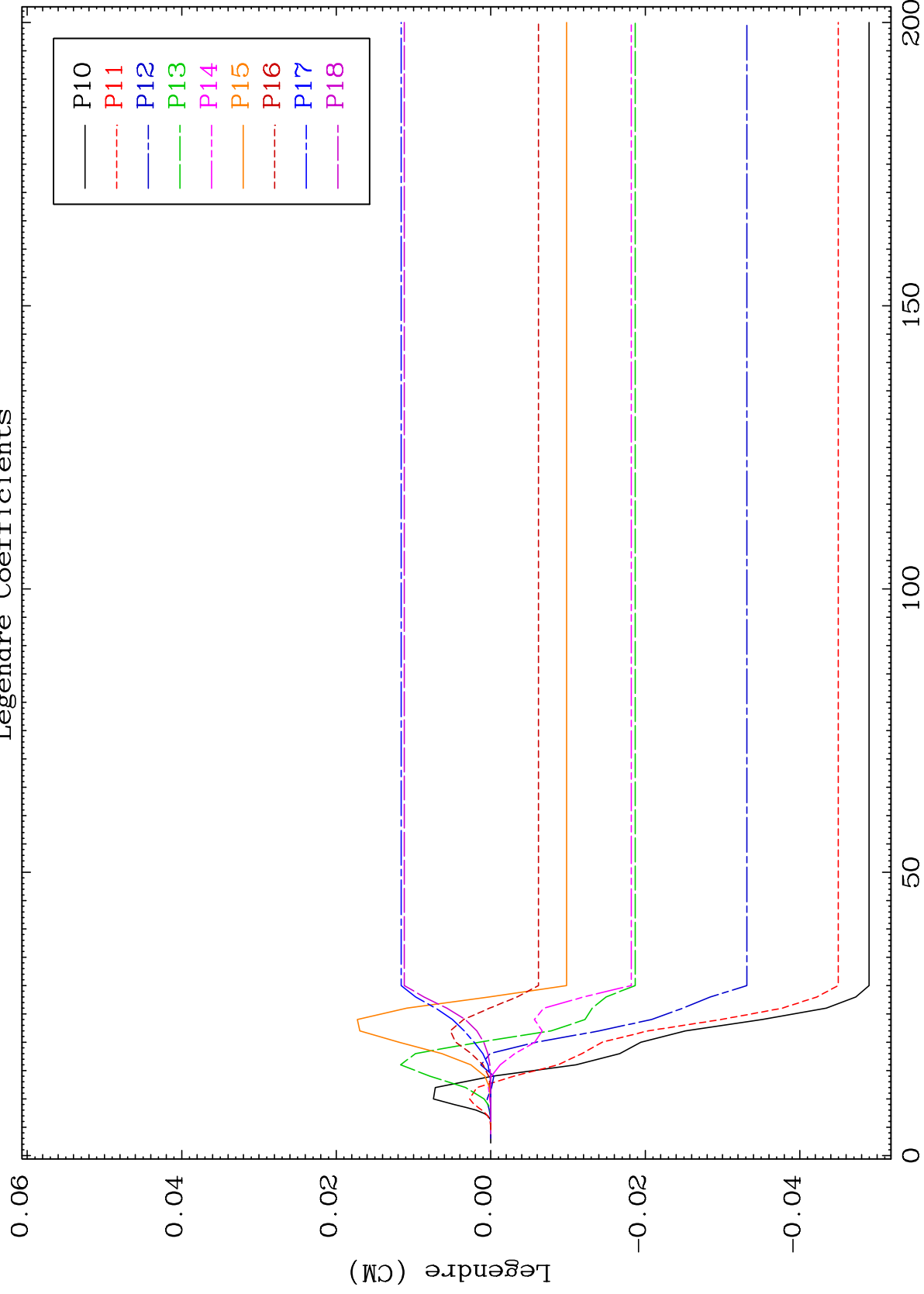




MAT 5425

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

54-Xe-124



47

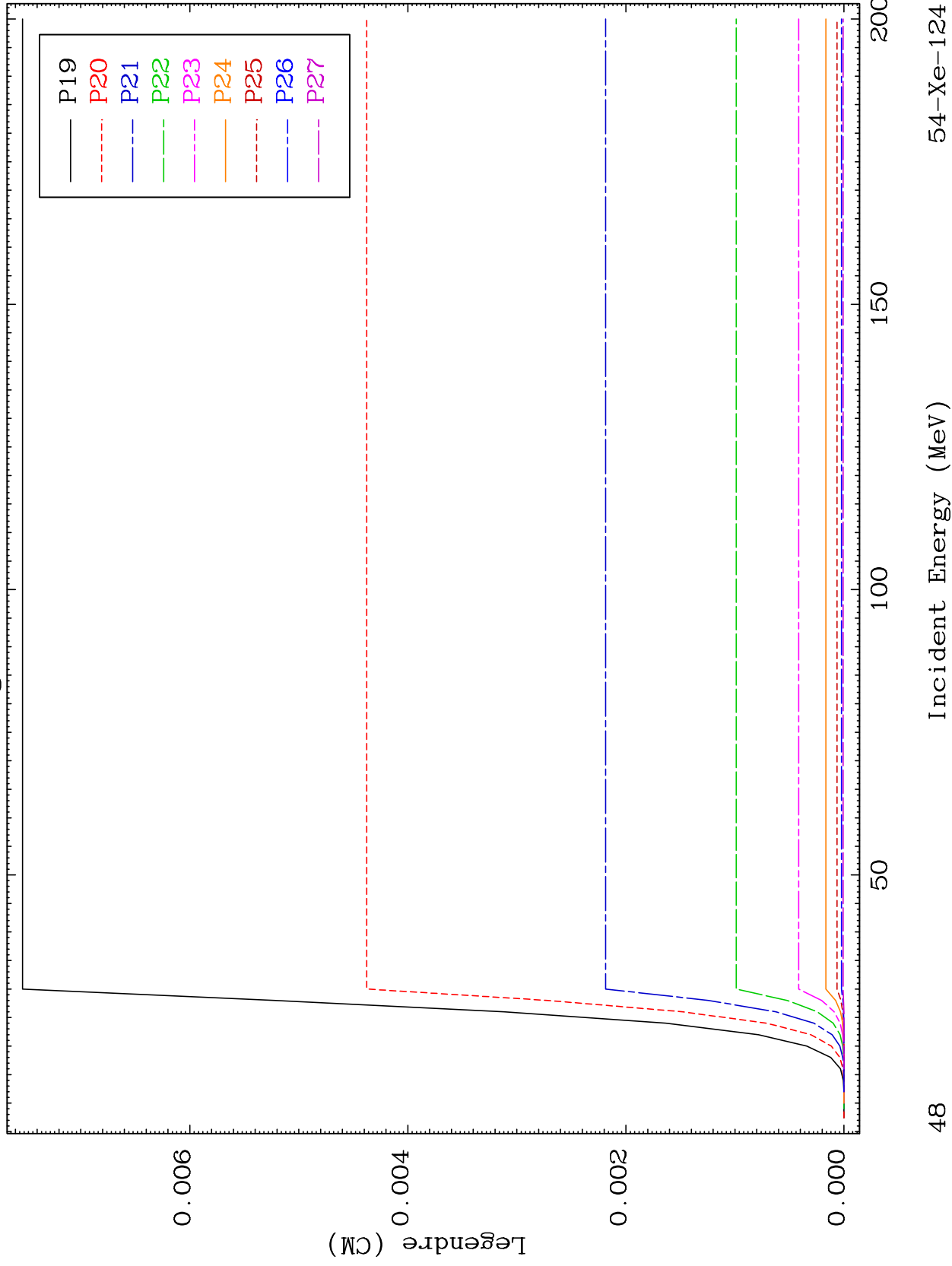
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



48

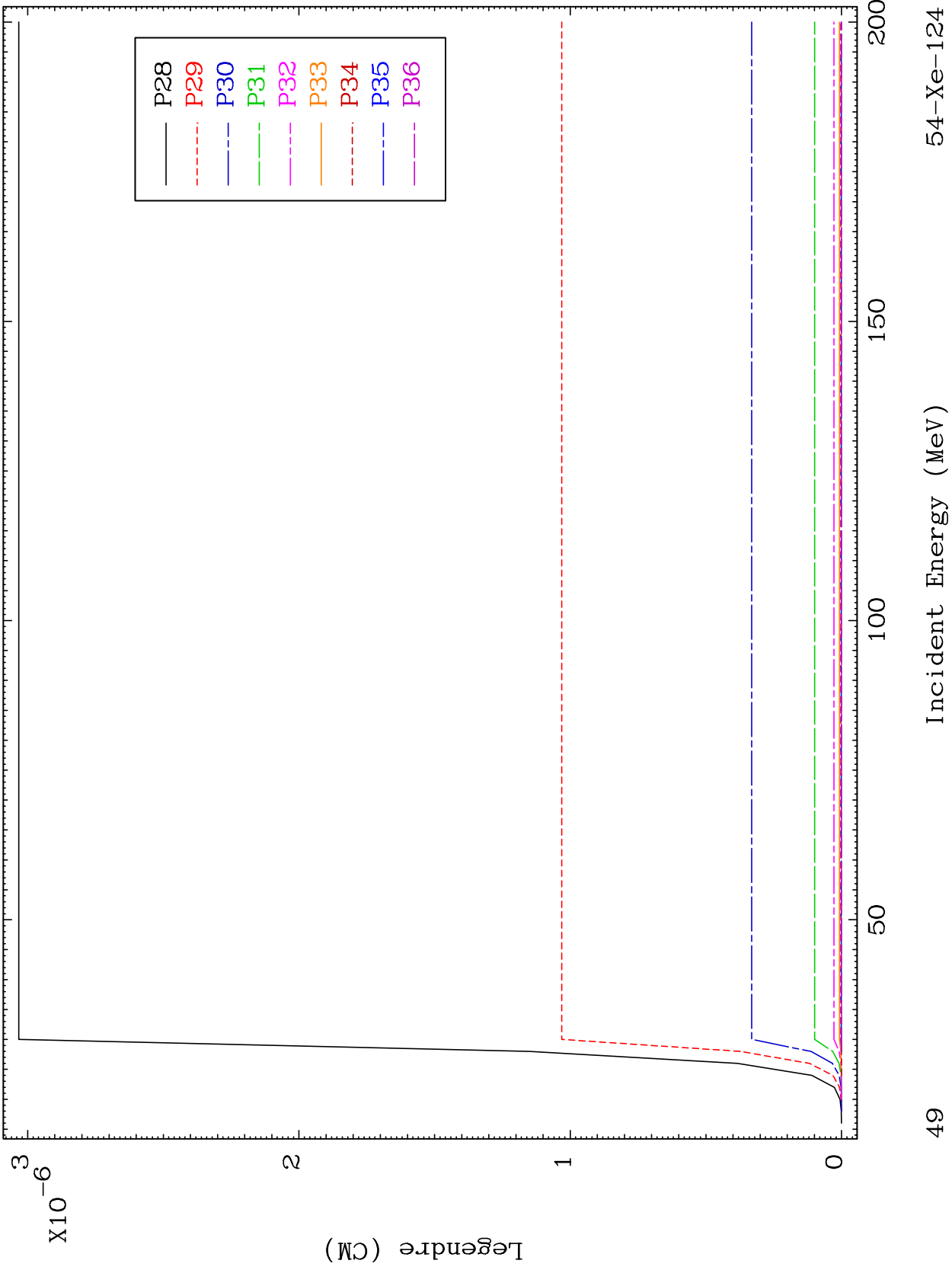
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



49

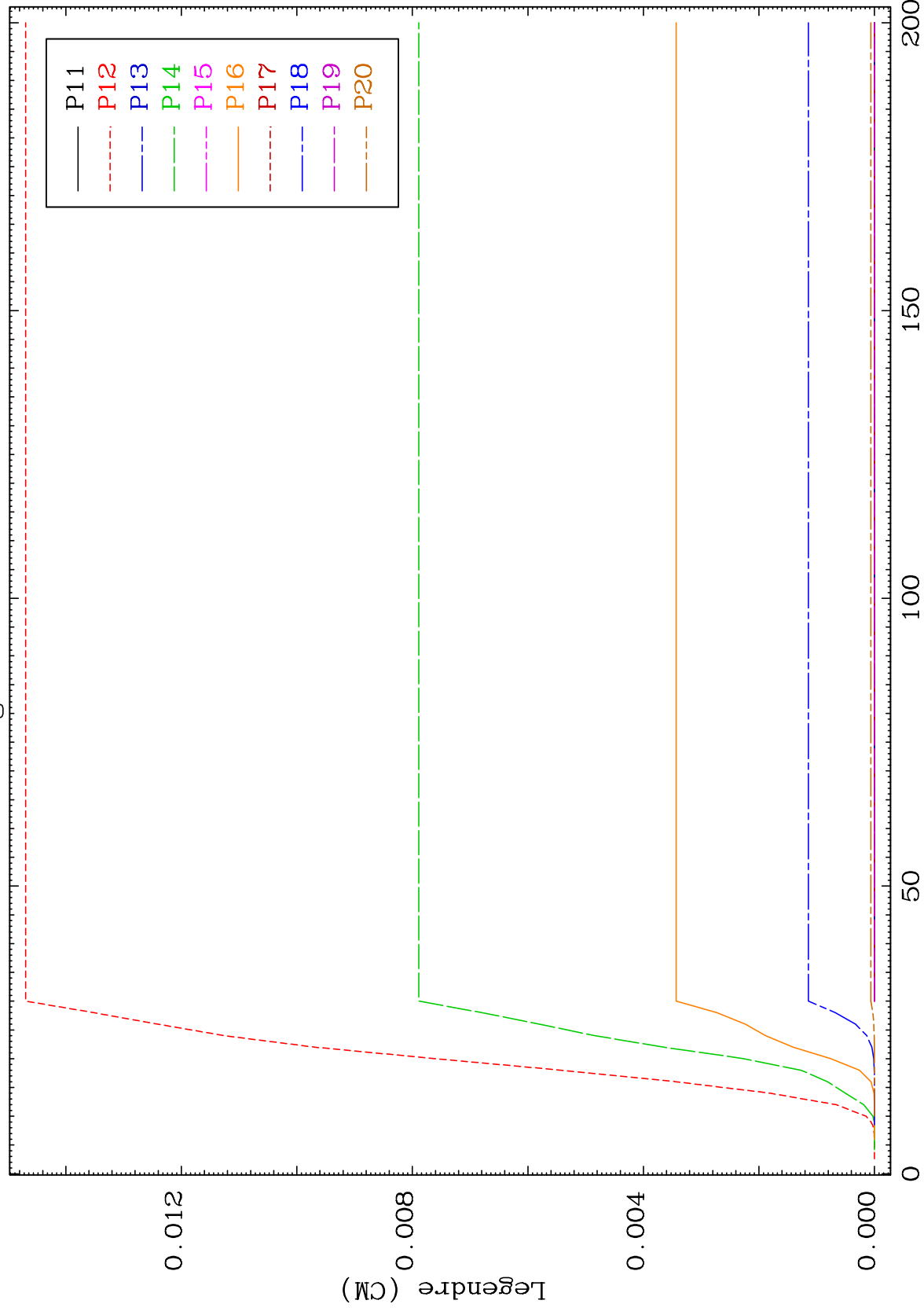
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

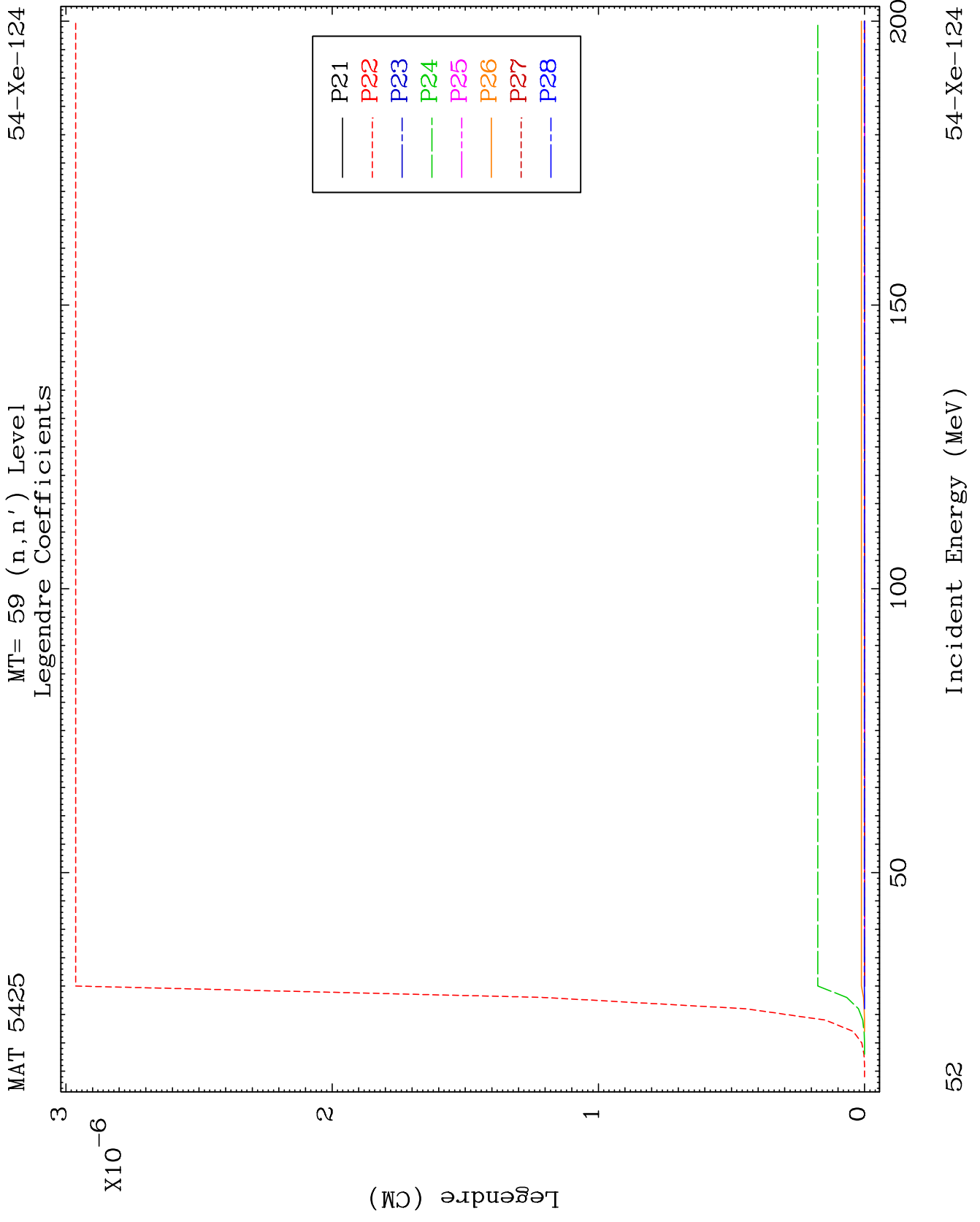
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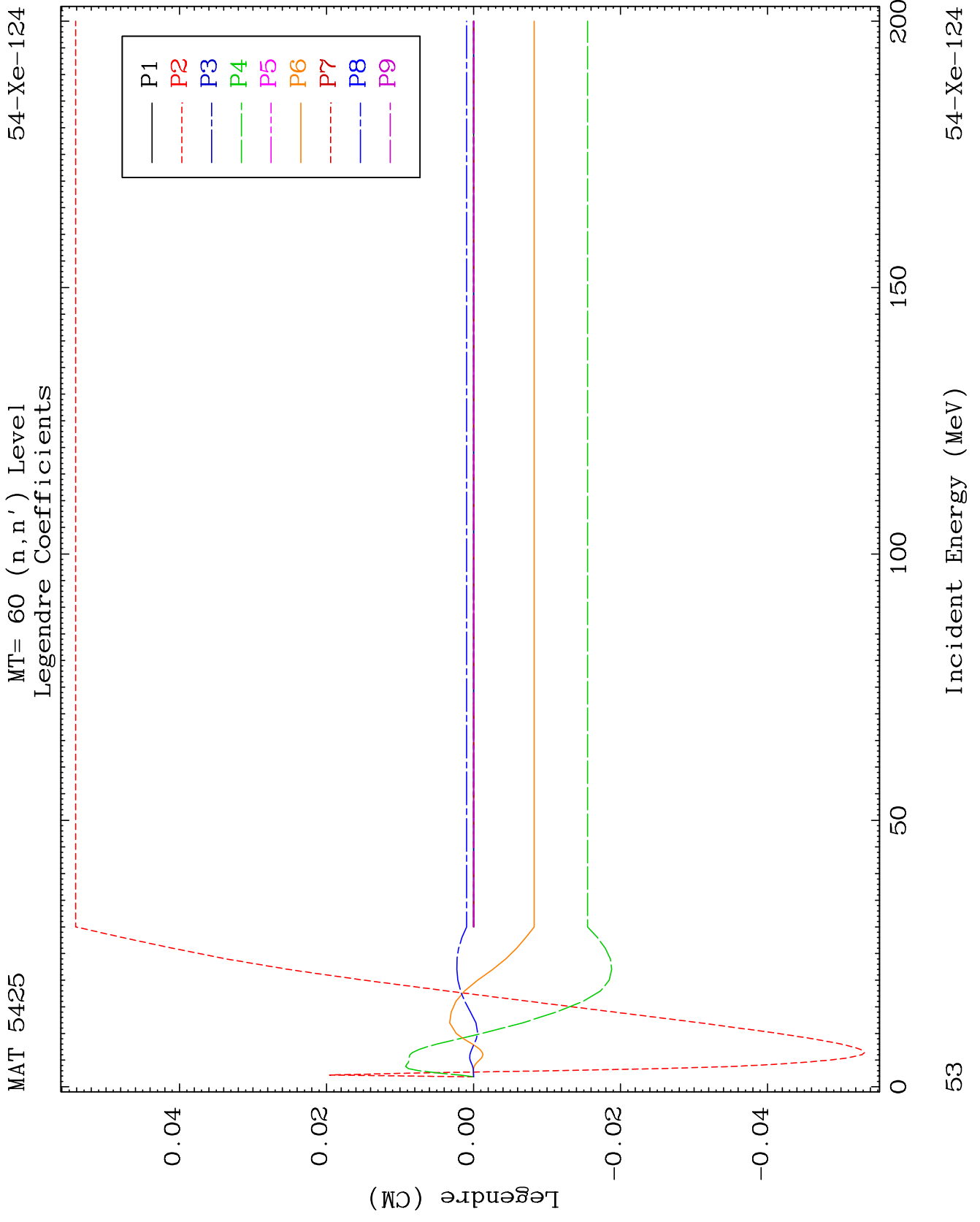


51

Incident Energy (MeV)

54-Xe-124

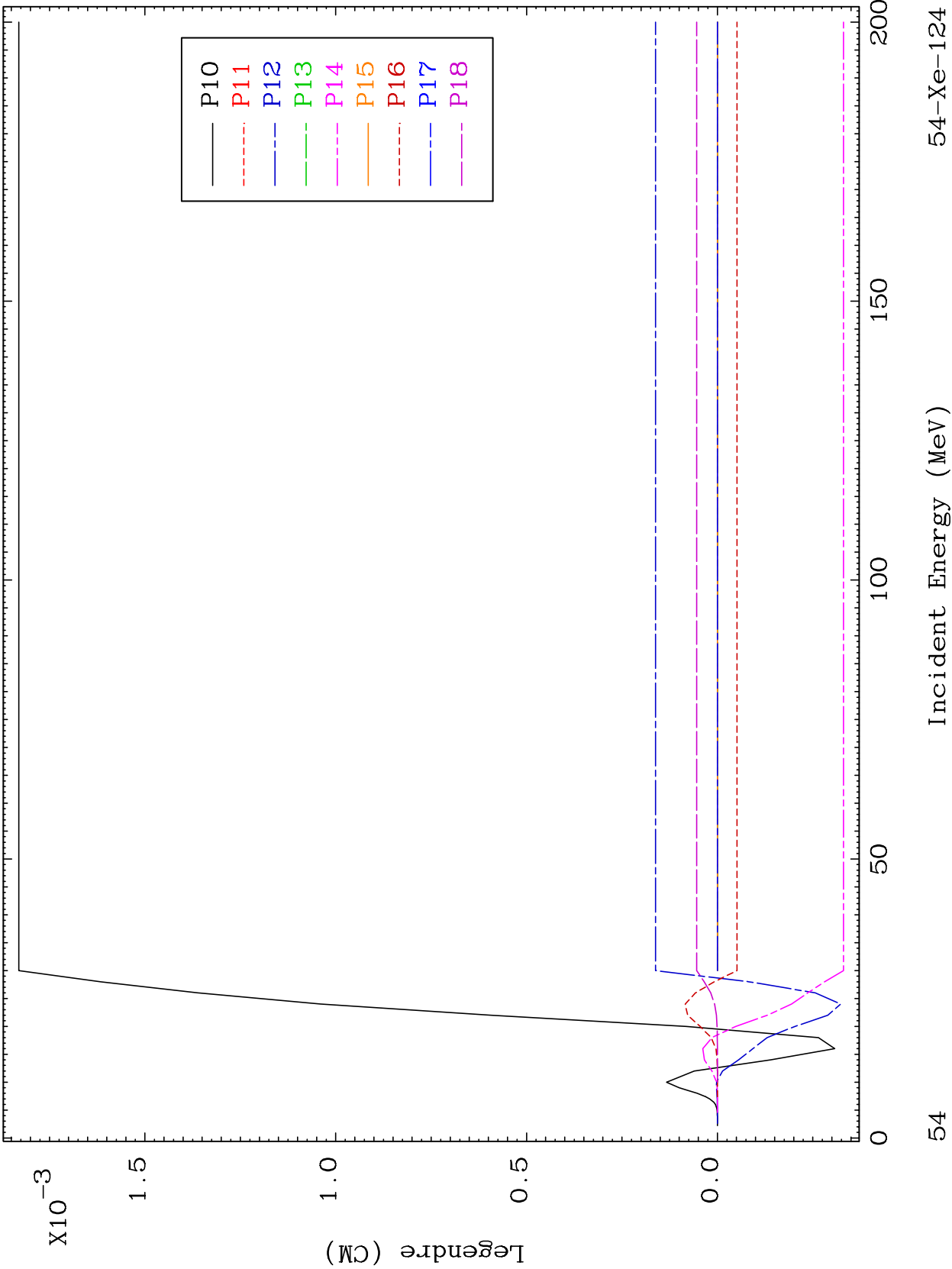




MAT 5425

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

54-Xe-124



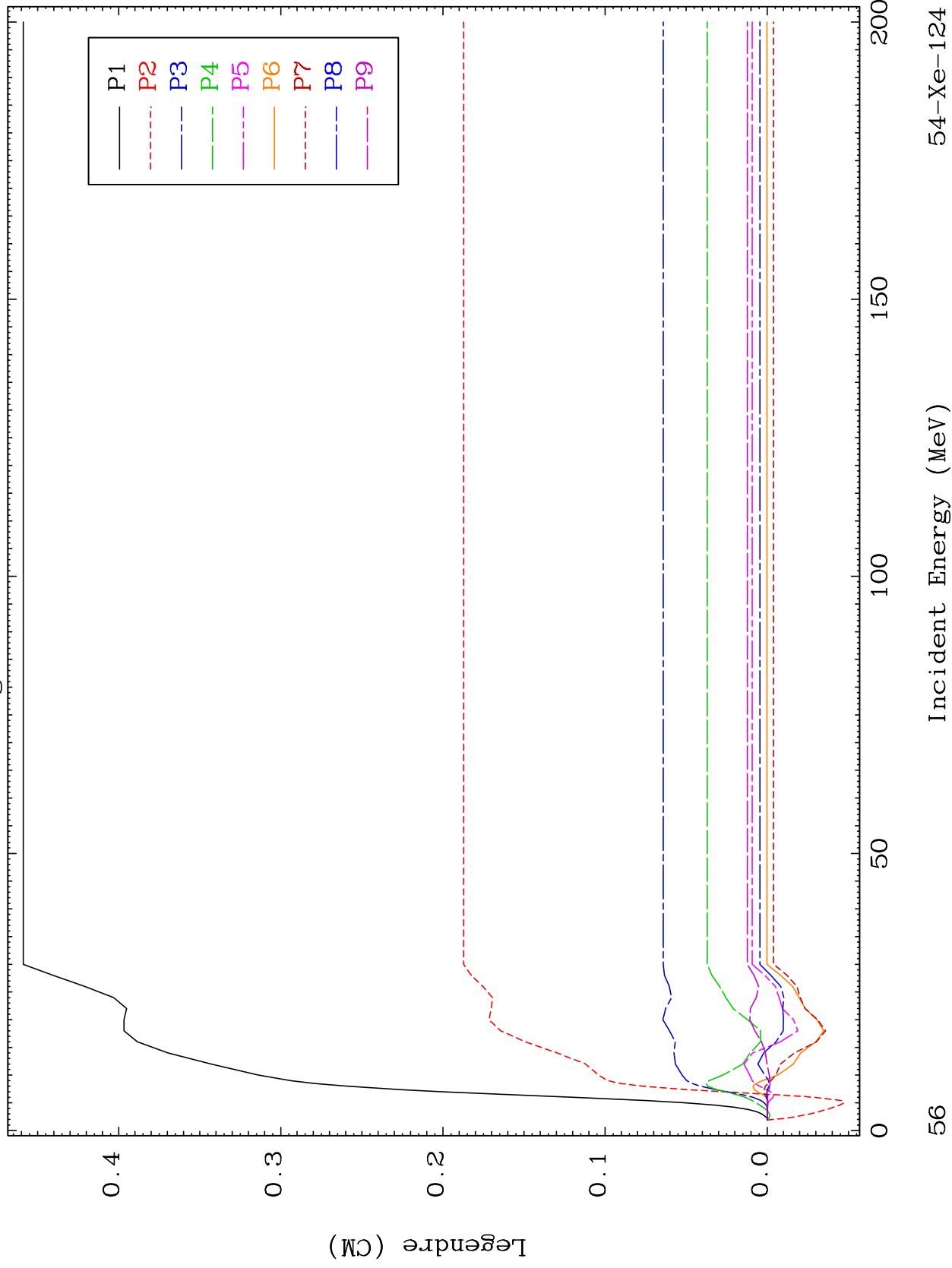
54

54-Xe-124

MAT 5425

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

54-Xe-124



54-Xe-124

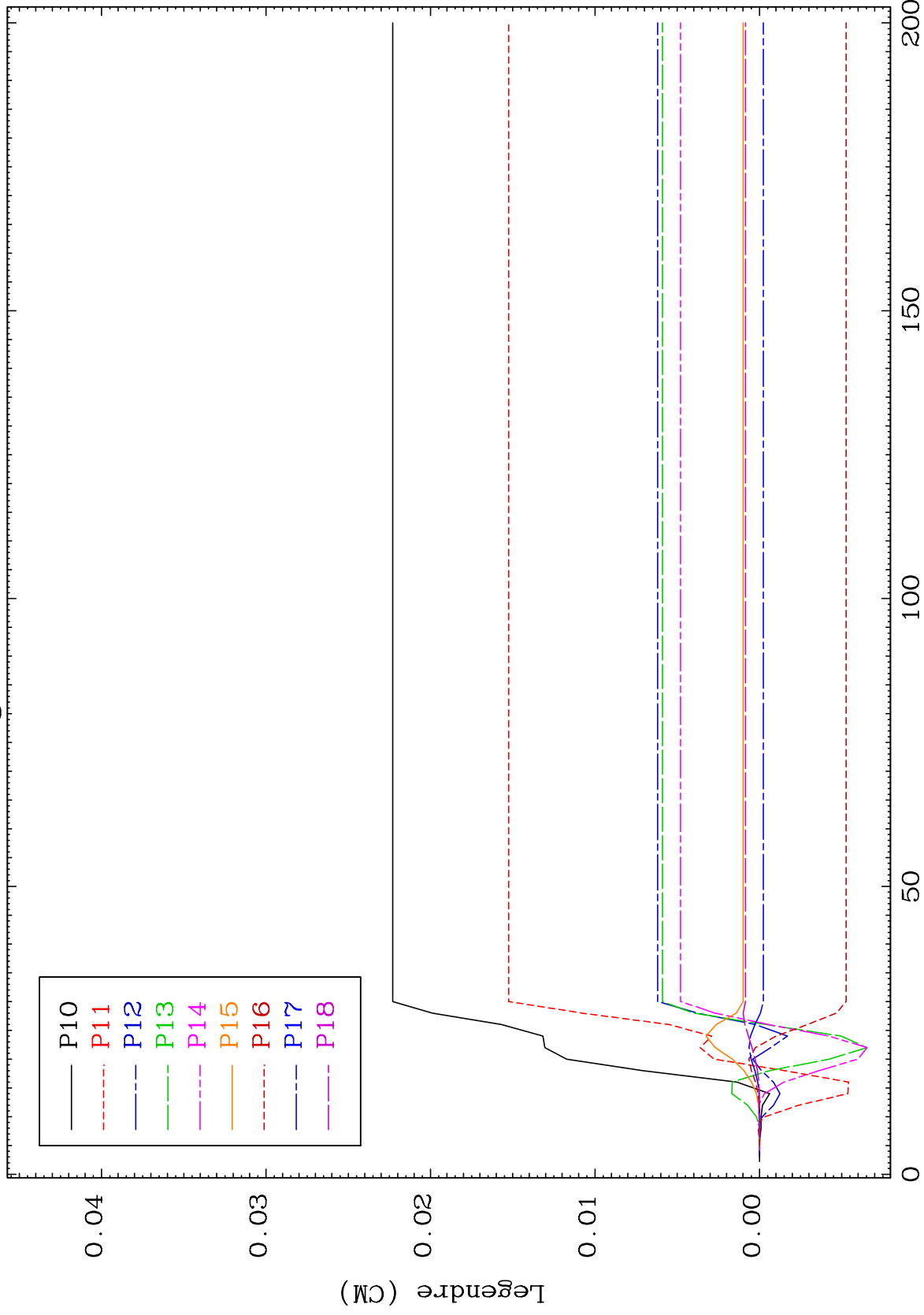
Incident Energy (MeV)

56

MAT 5425

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

54-Xe-124



54-Xe-124

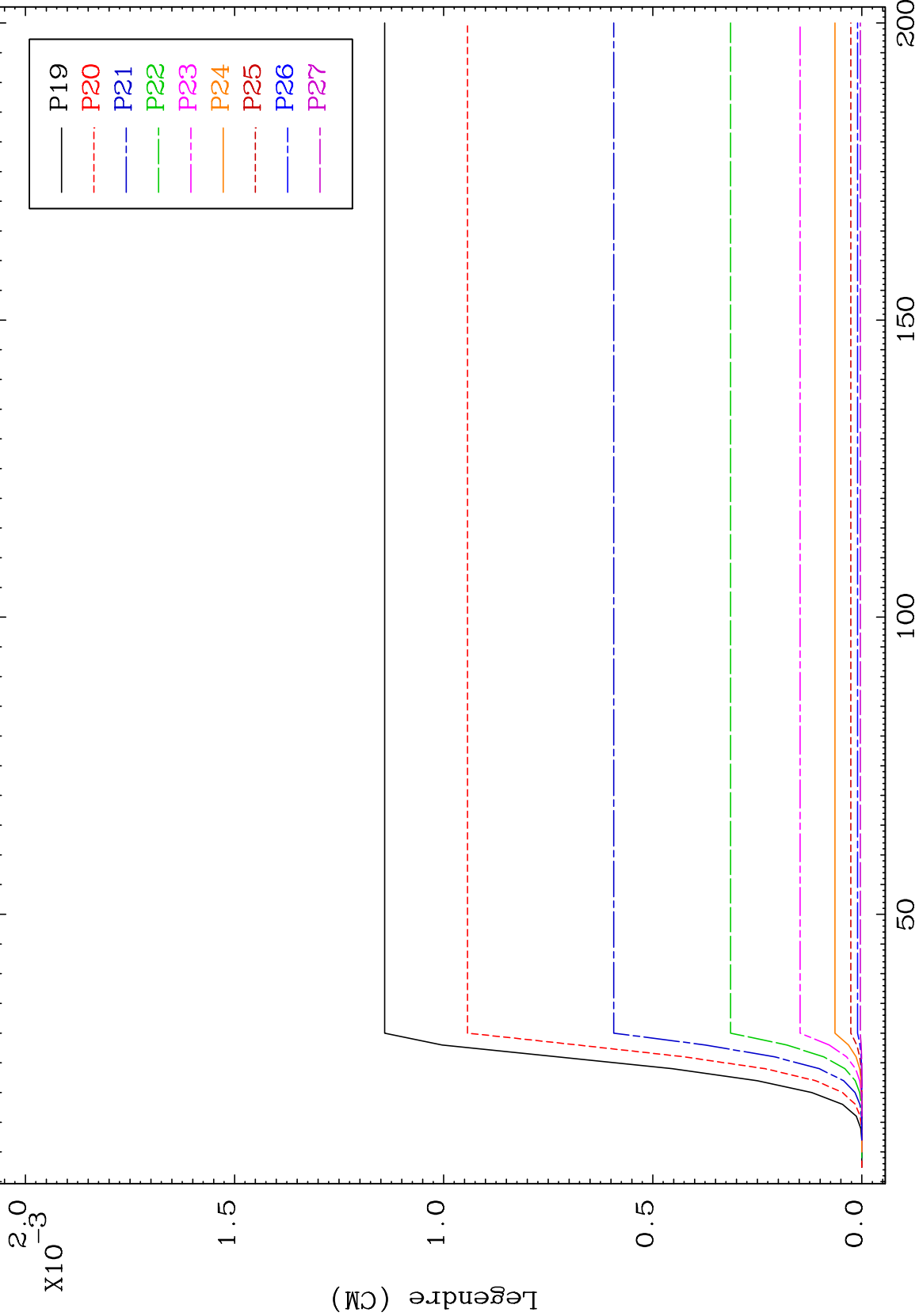
Incident Energy (MeV)

57

MAT 5425

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

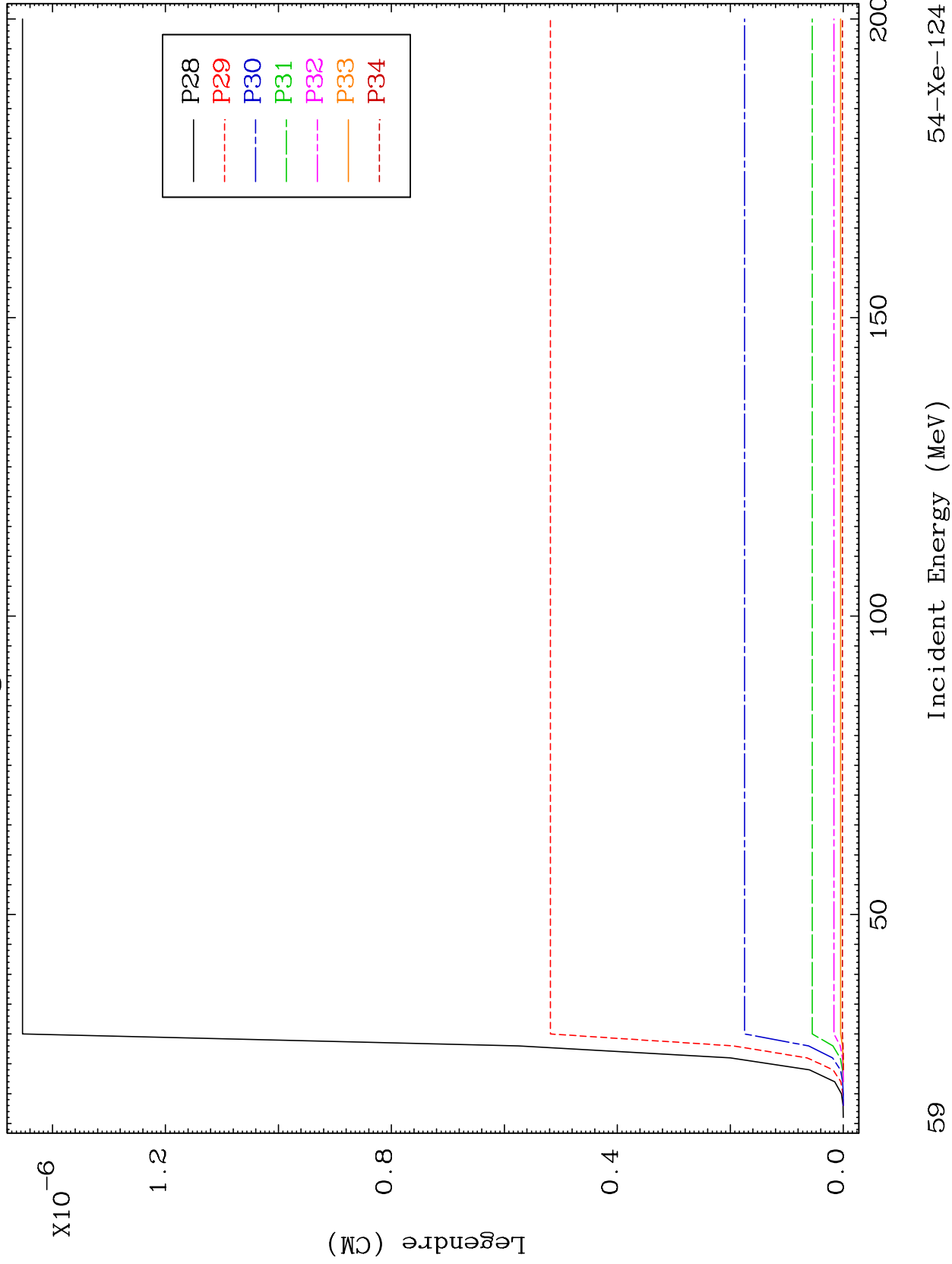
54-Xe-124



MAT 5425

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

54-Xe-124



54-Xe-124

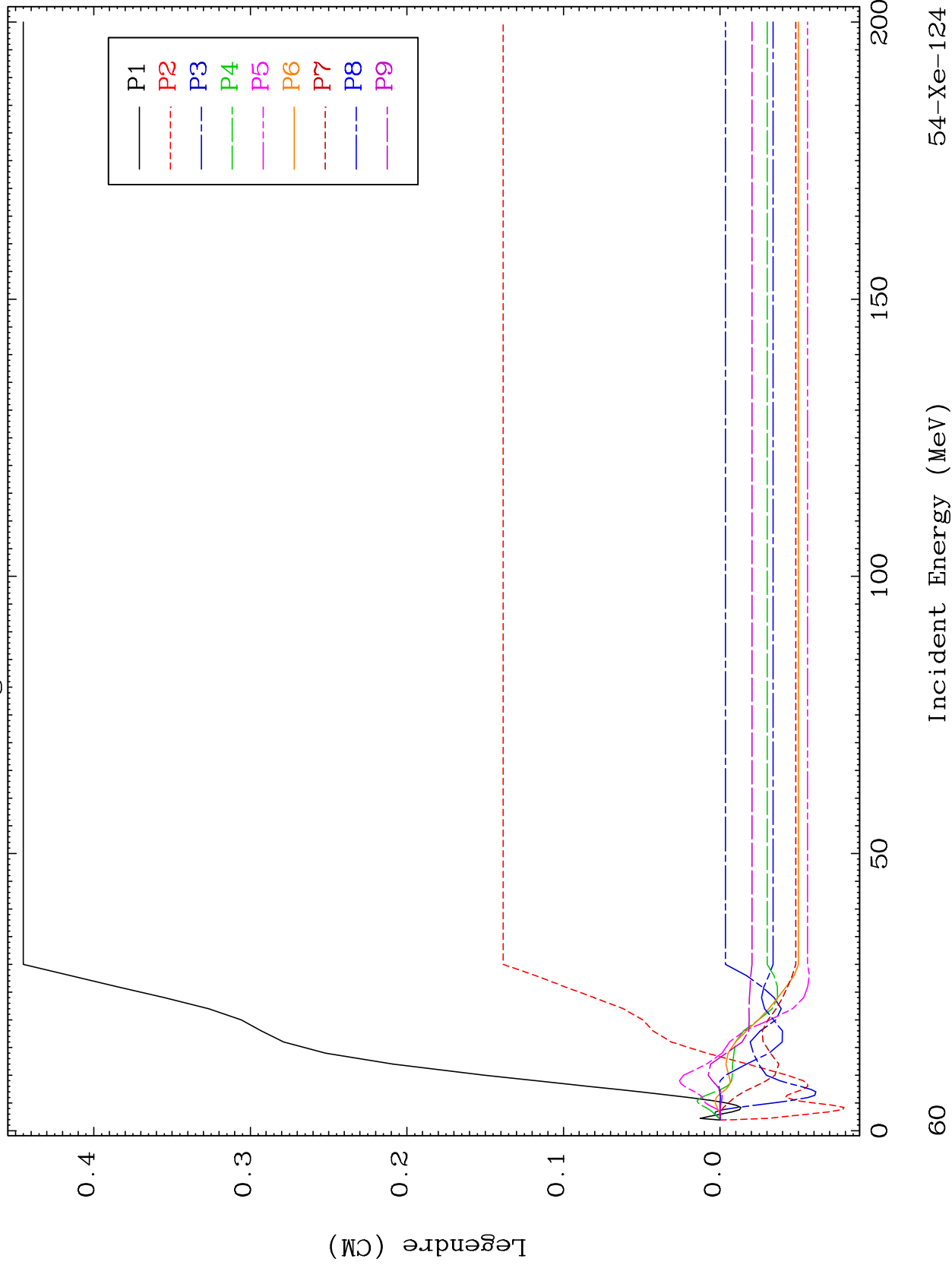
Incident Energy (MeV)

59

MAT 5425

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

54-Xe-124



54-Xe-124

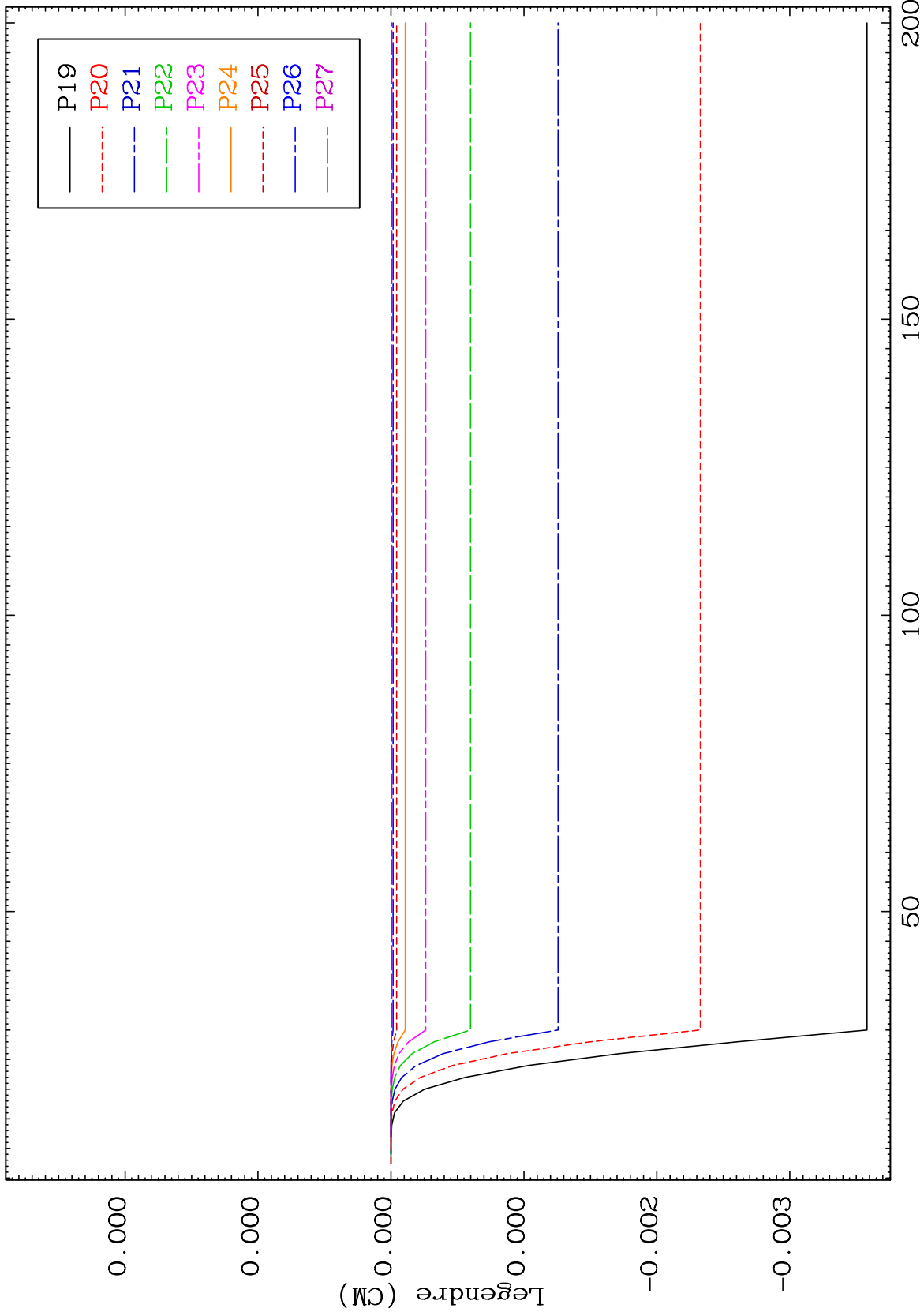
Incident Energy (MeV)

60

MAT 5425

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

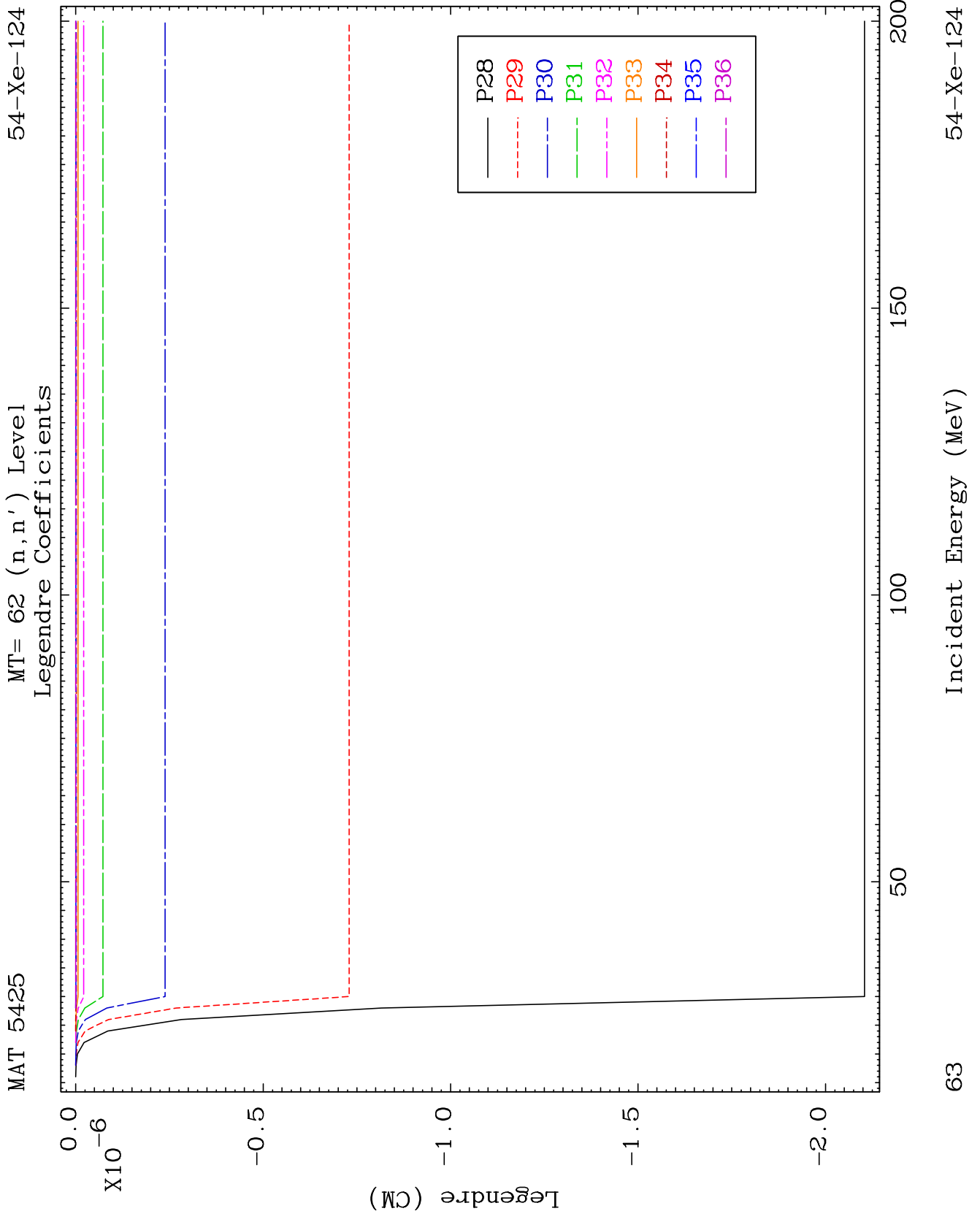
54-Xe-124

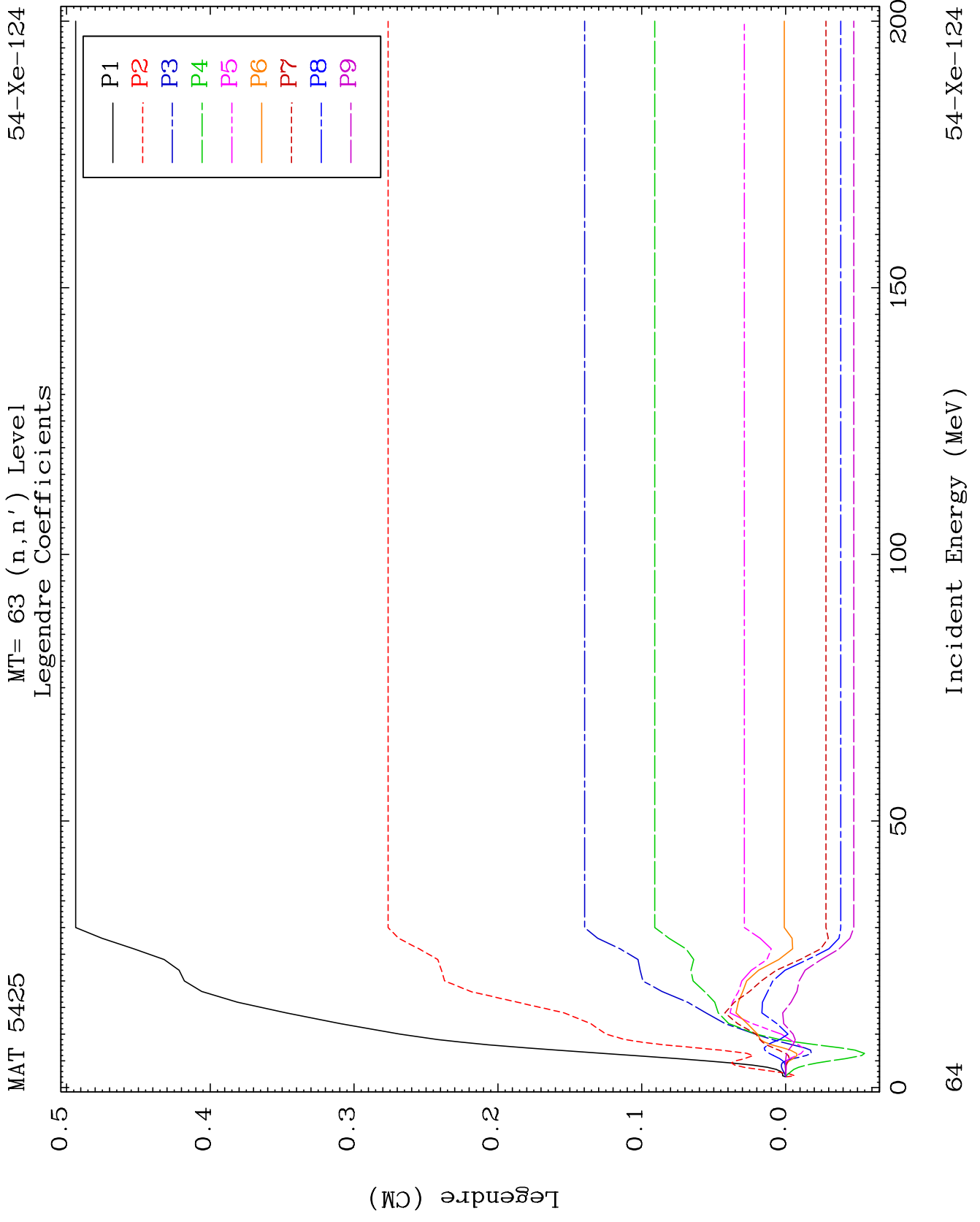


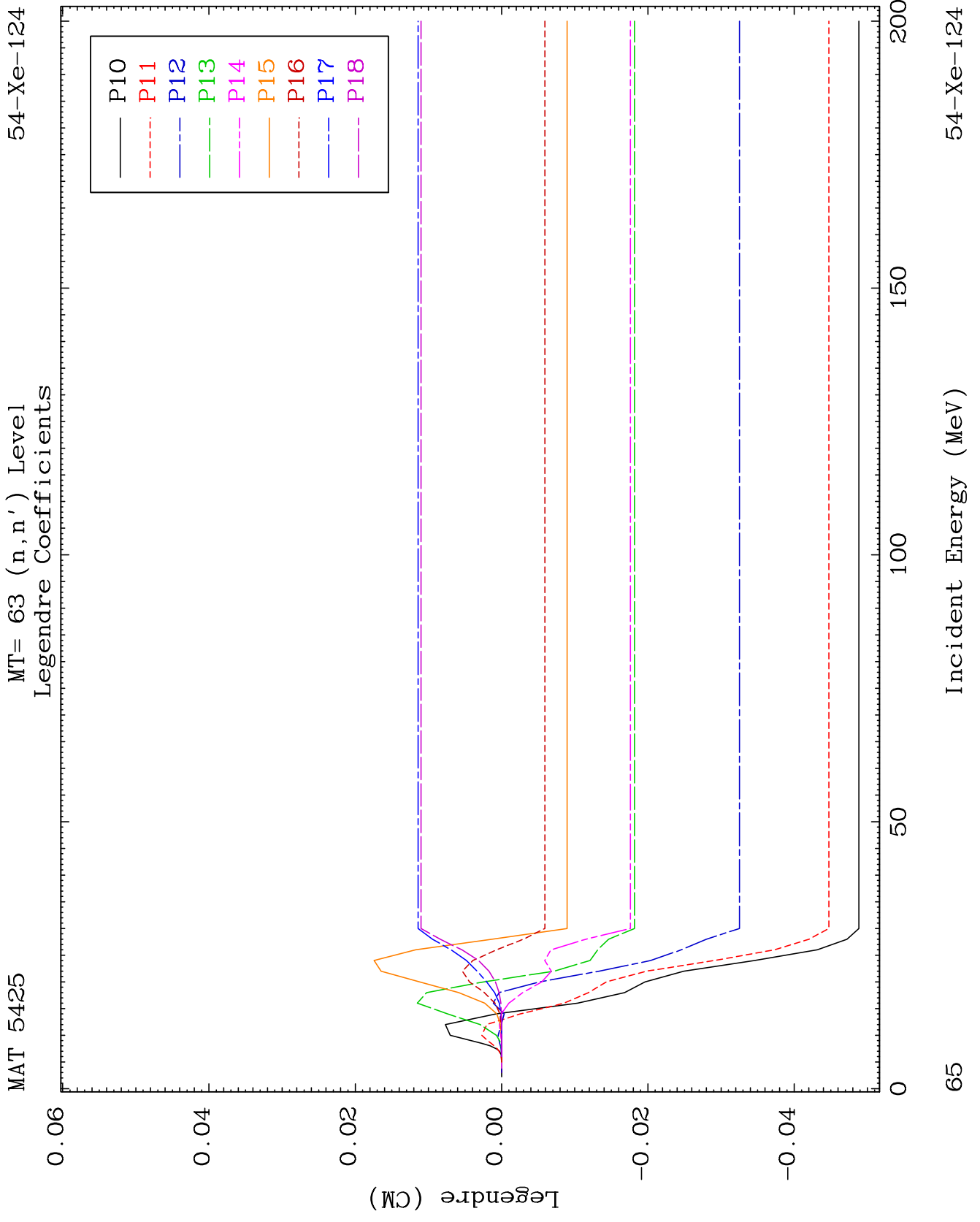
62

Incident Energy (MeV)

54-Xe-124



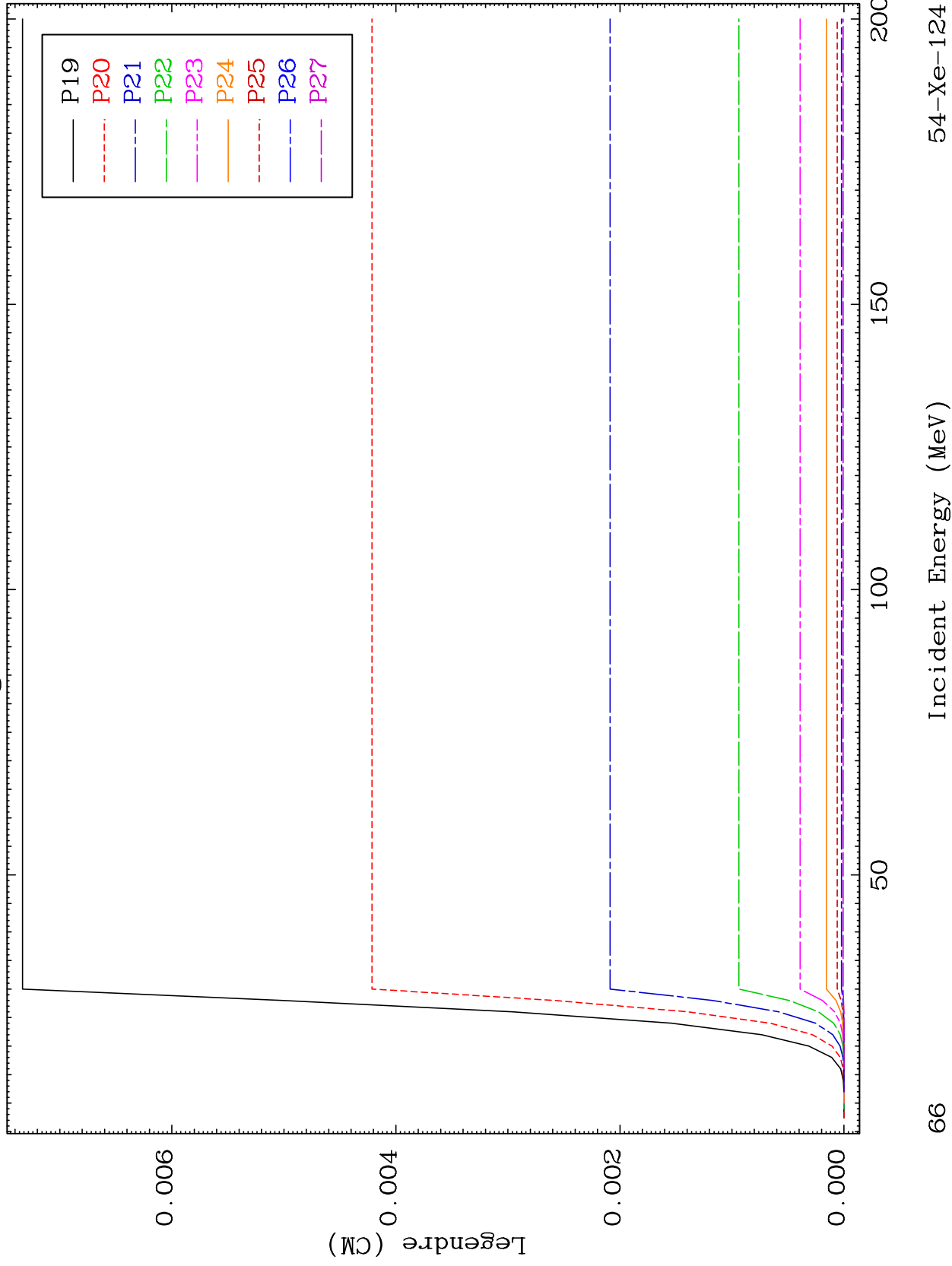




MAT 5425

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

54-Xe-124



66

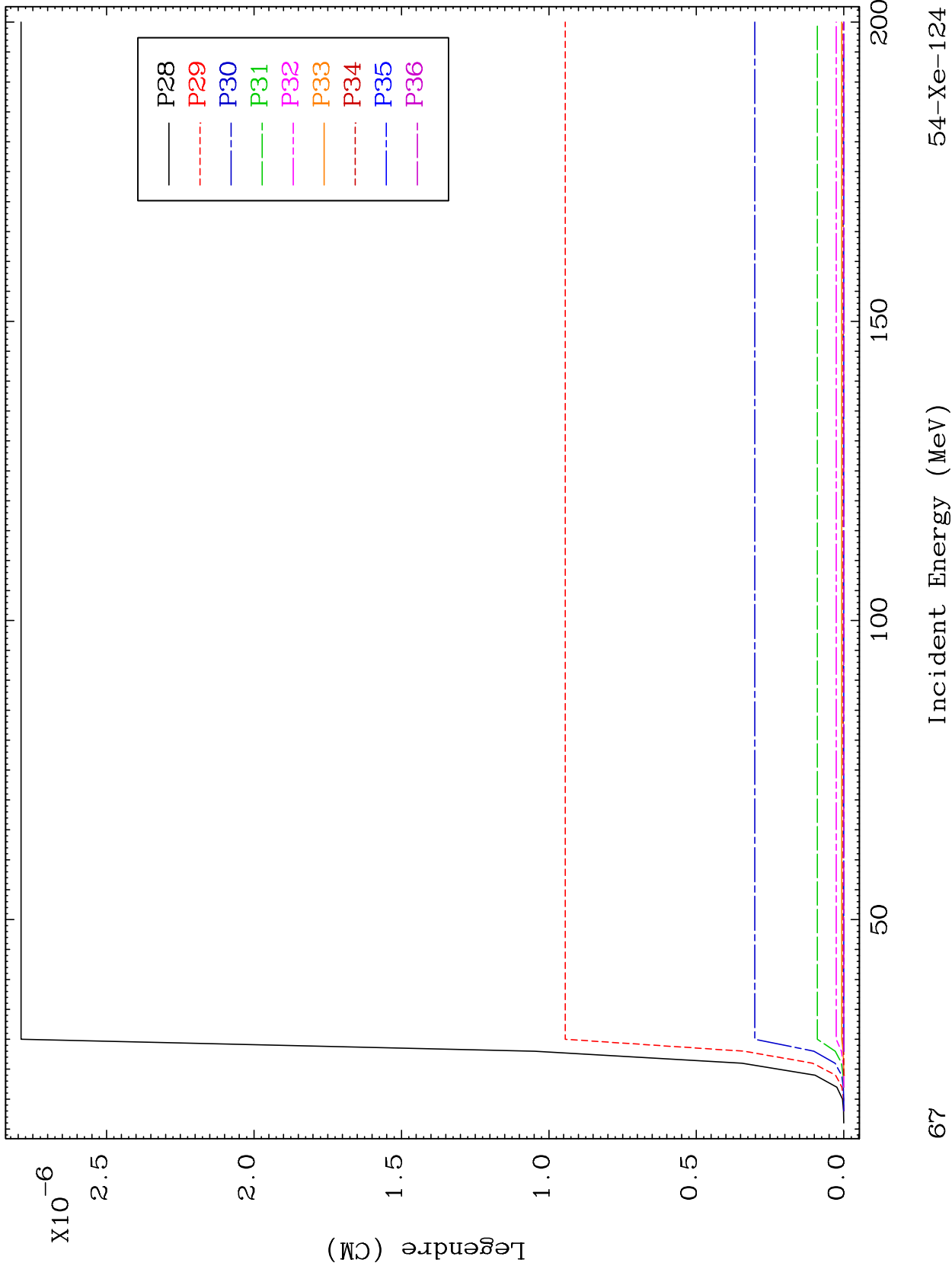
Incident Energy (MeV)

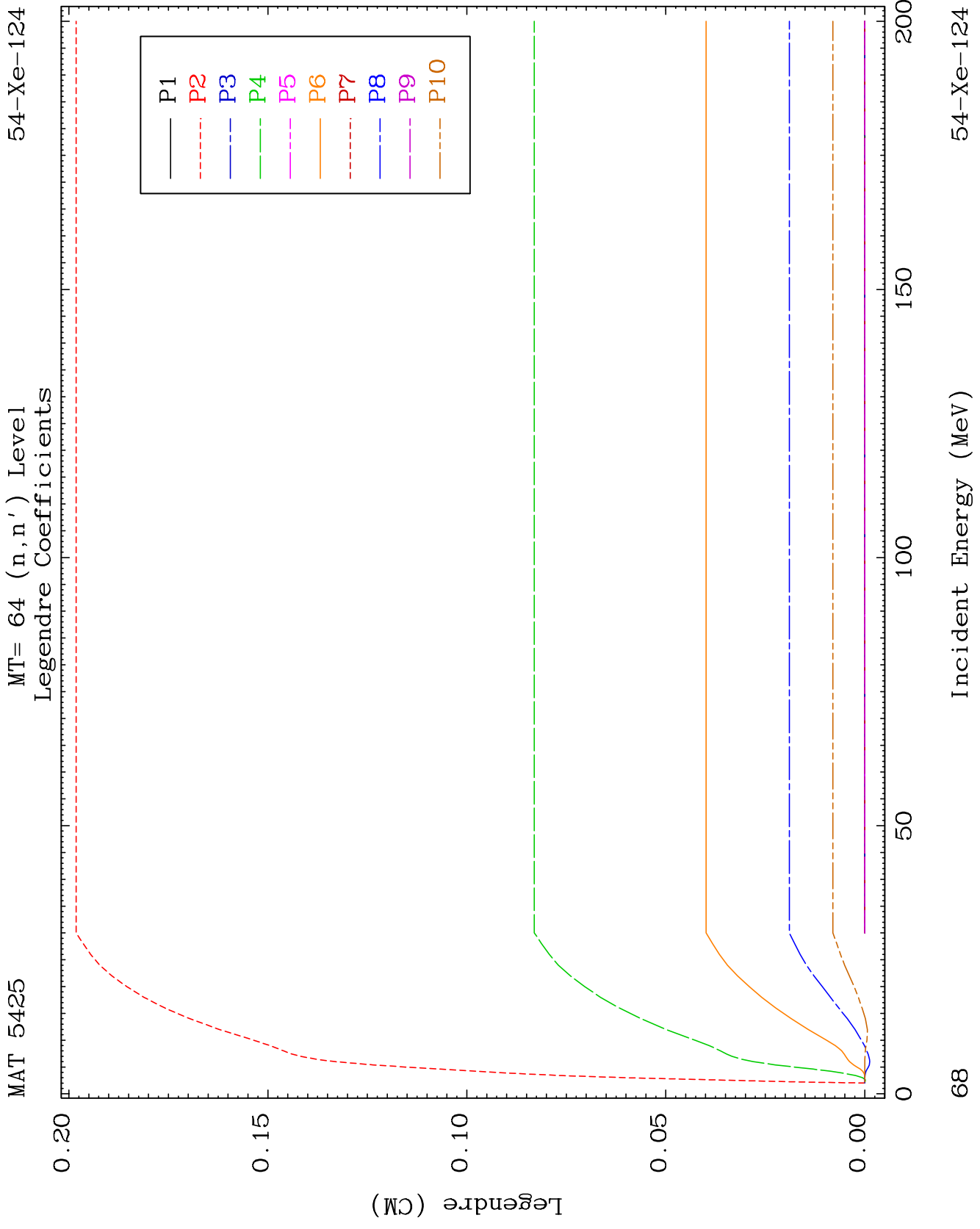
54-Xe-124

MAT 5425

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

54-Xe-124

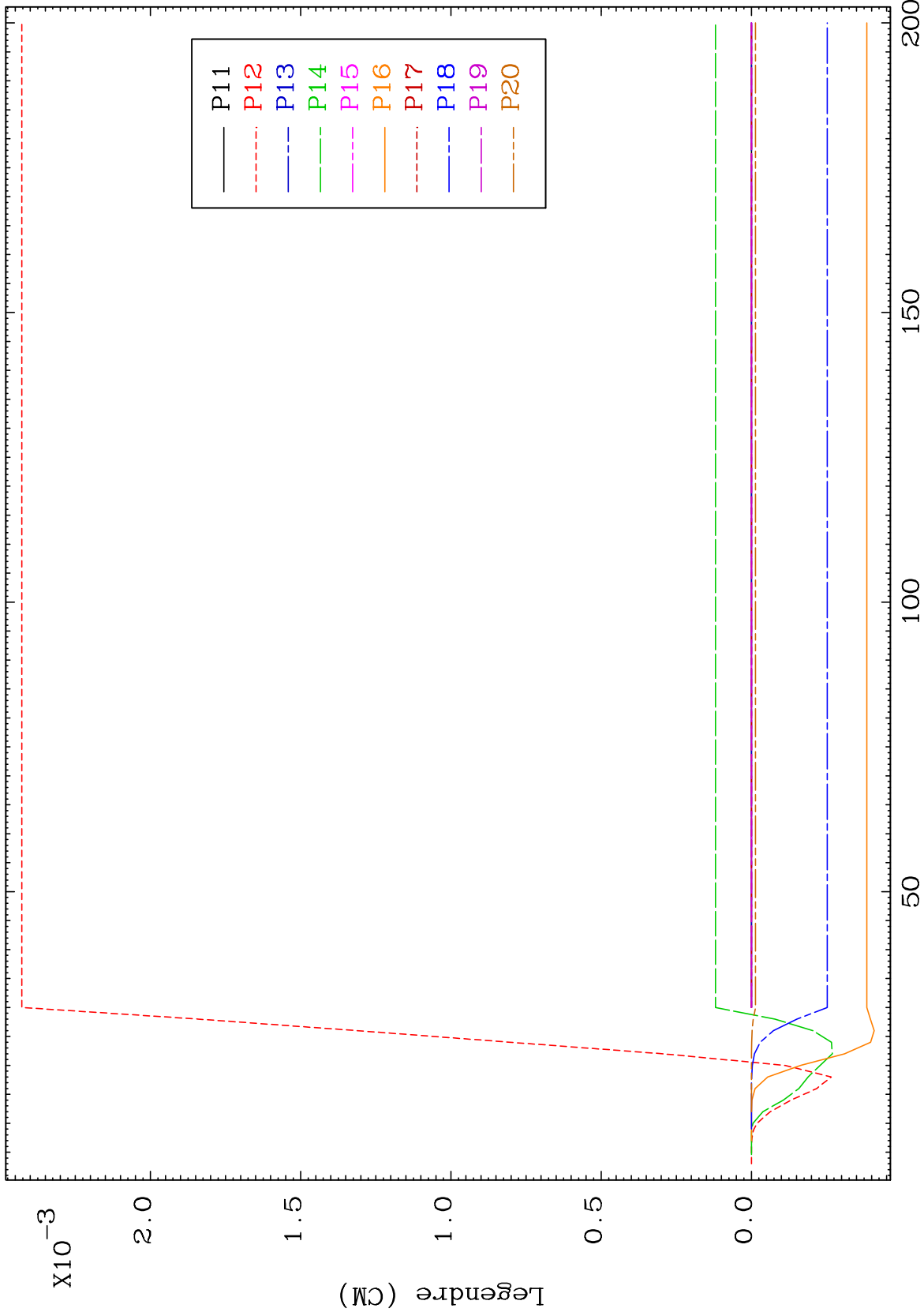




MAT 5425

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

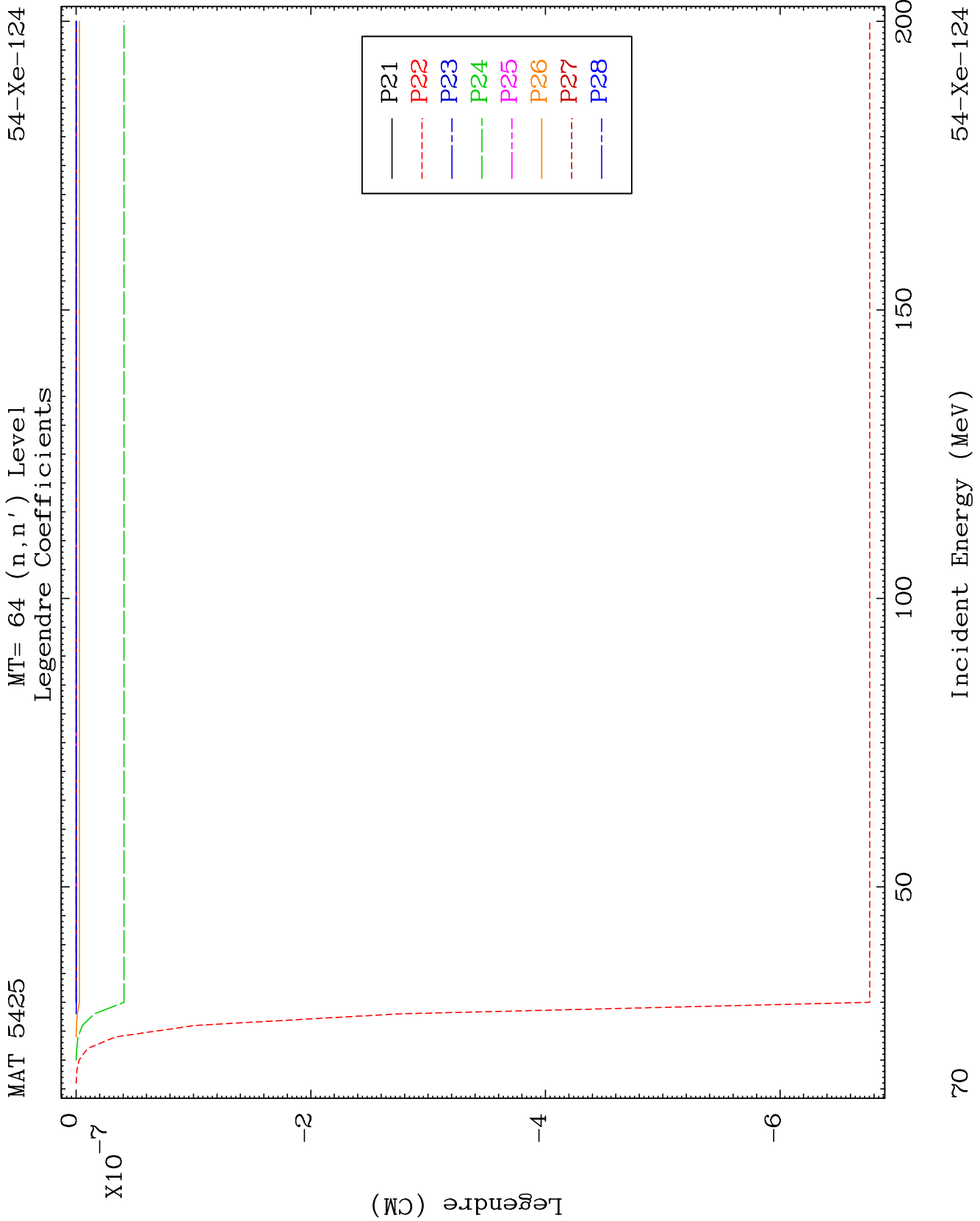
54-Xe-124



69

Incident Energy (MeV)

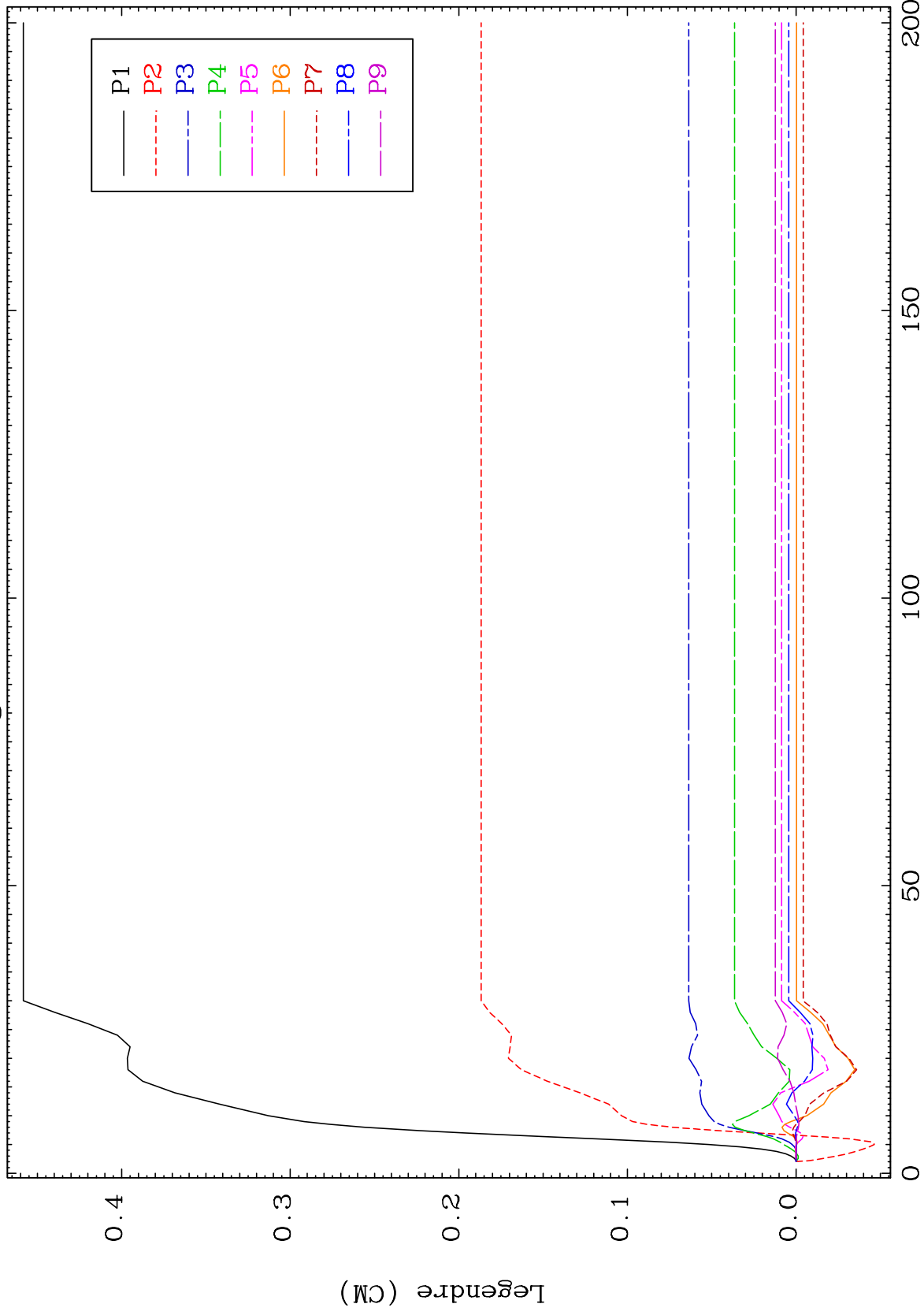
54-Xe-124



MAT 5425

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

54-Xe-124



71

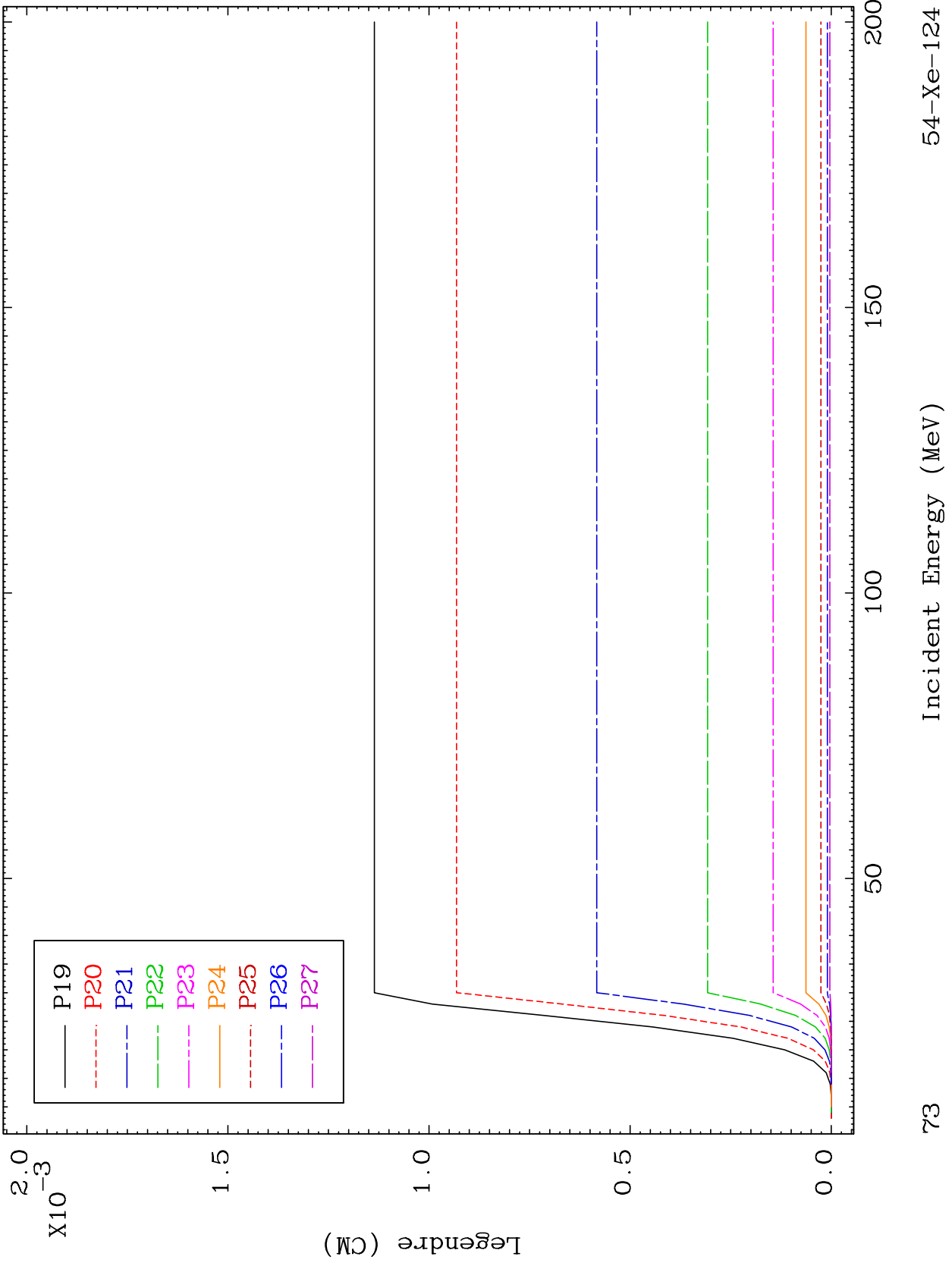
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

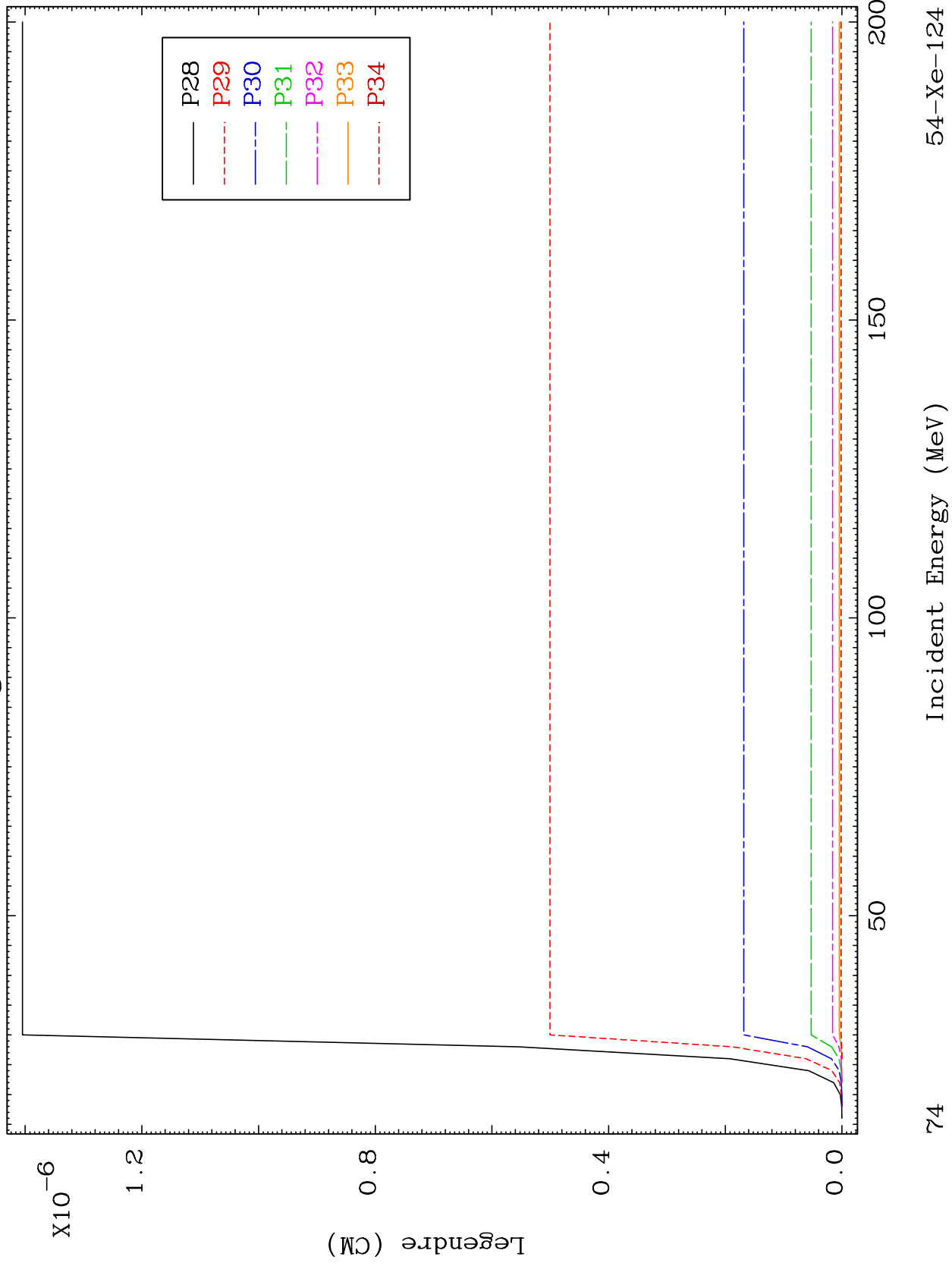
54-Xe-124



MAT 5425

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

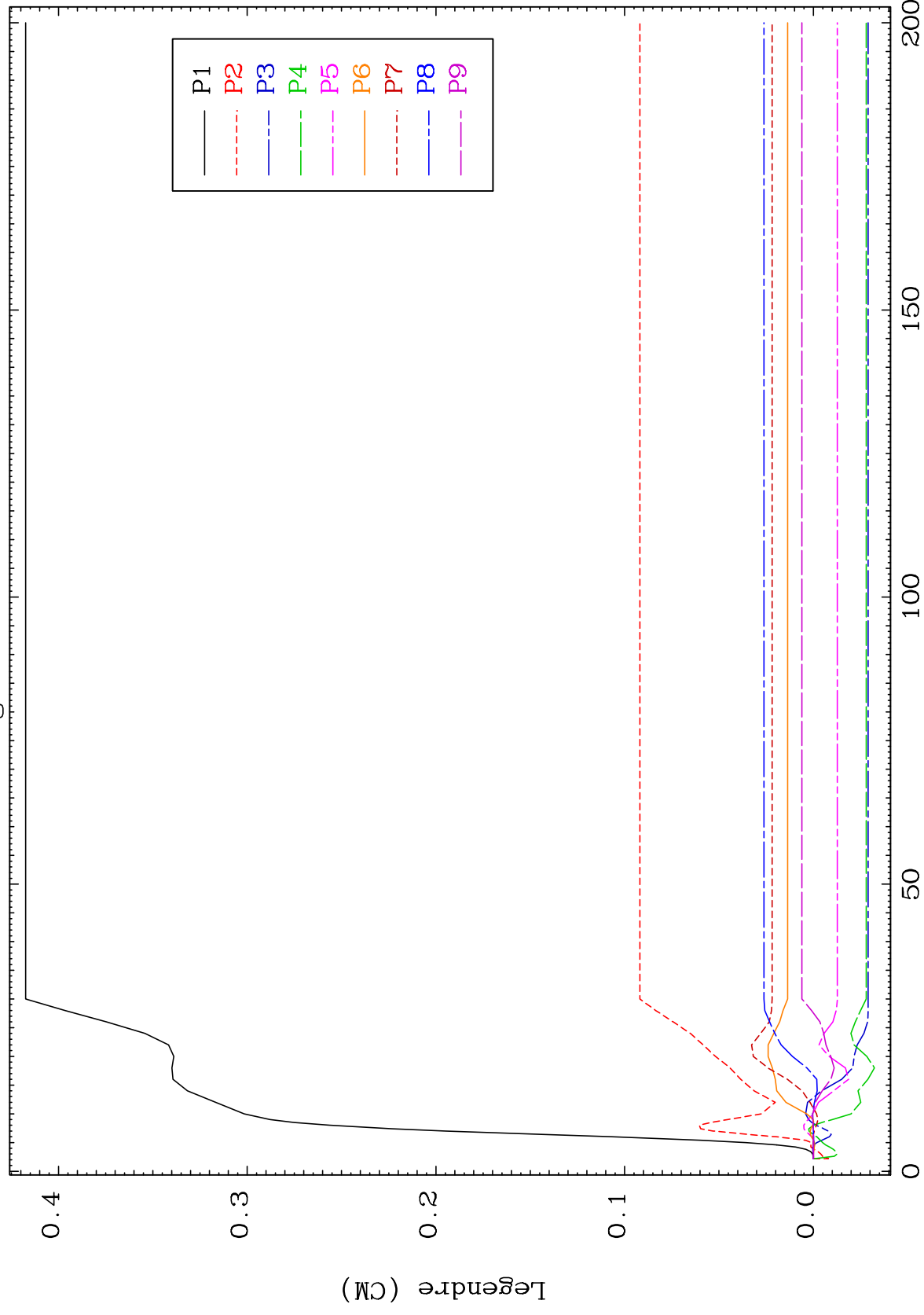
54-Xe-124



MAT 5425

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

54-Xe-124



75

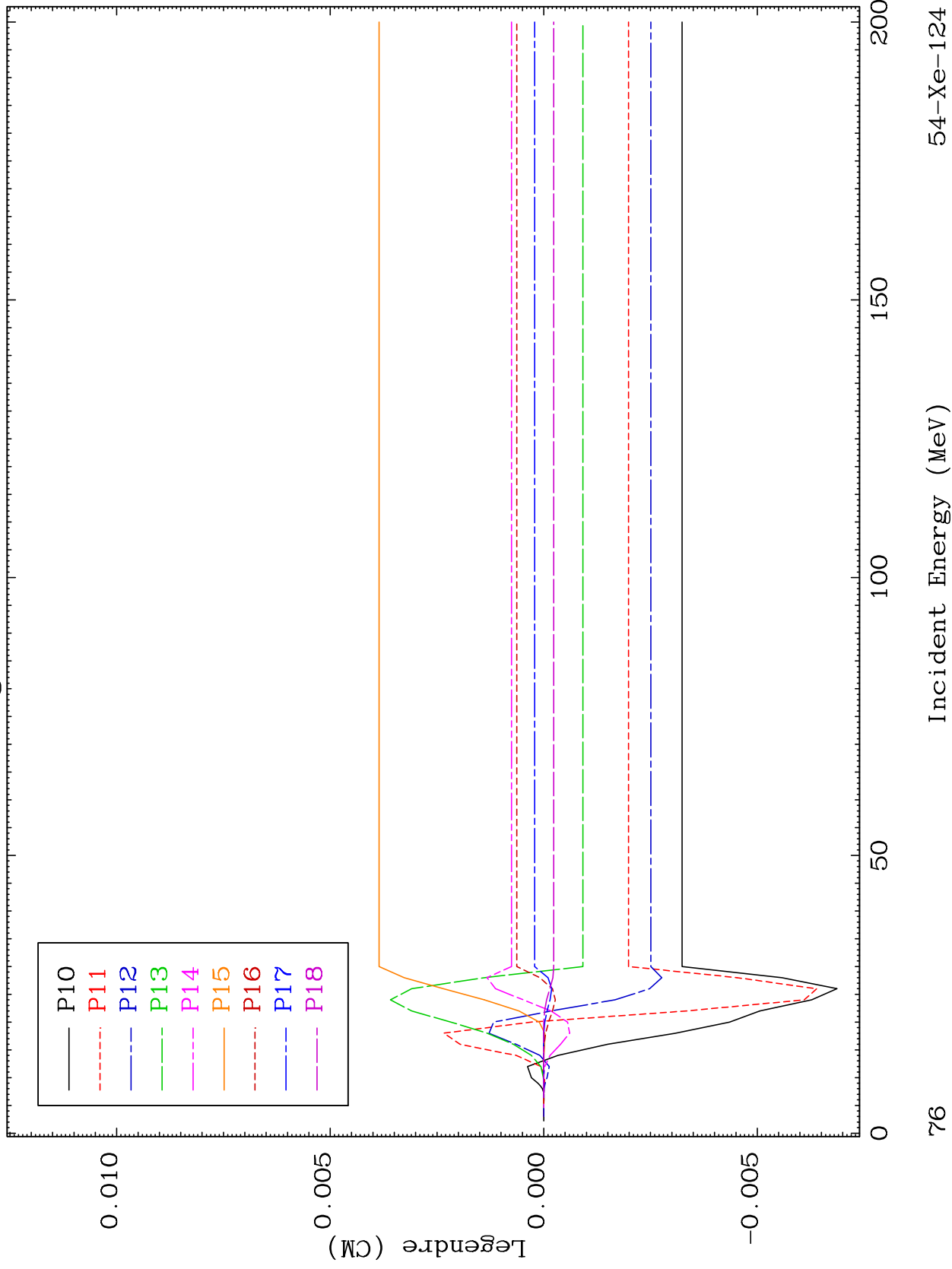
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



76

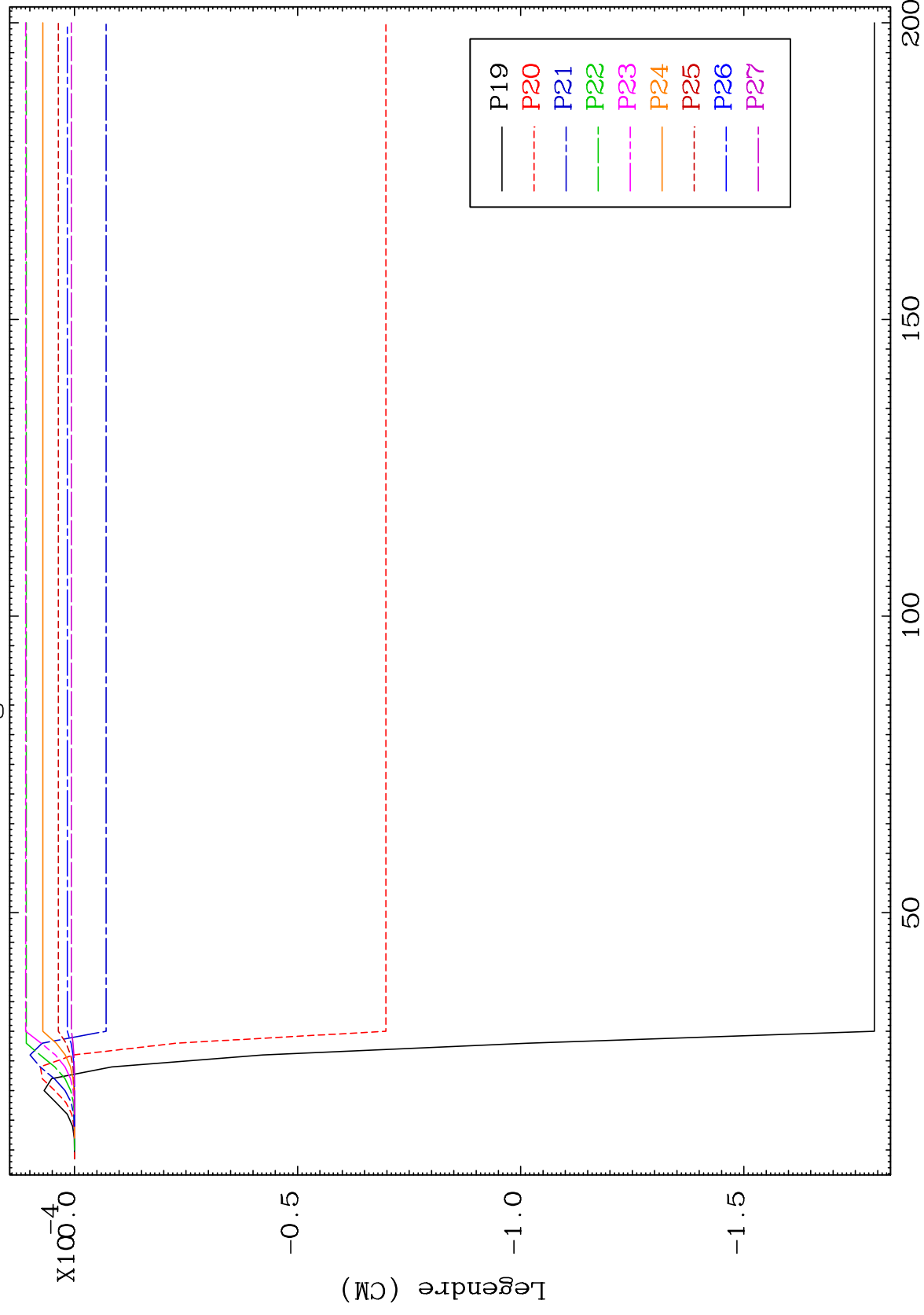
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

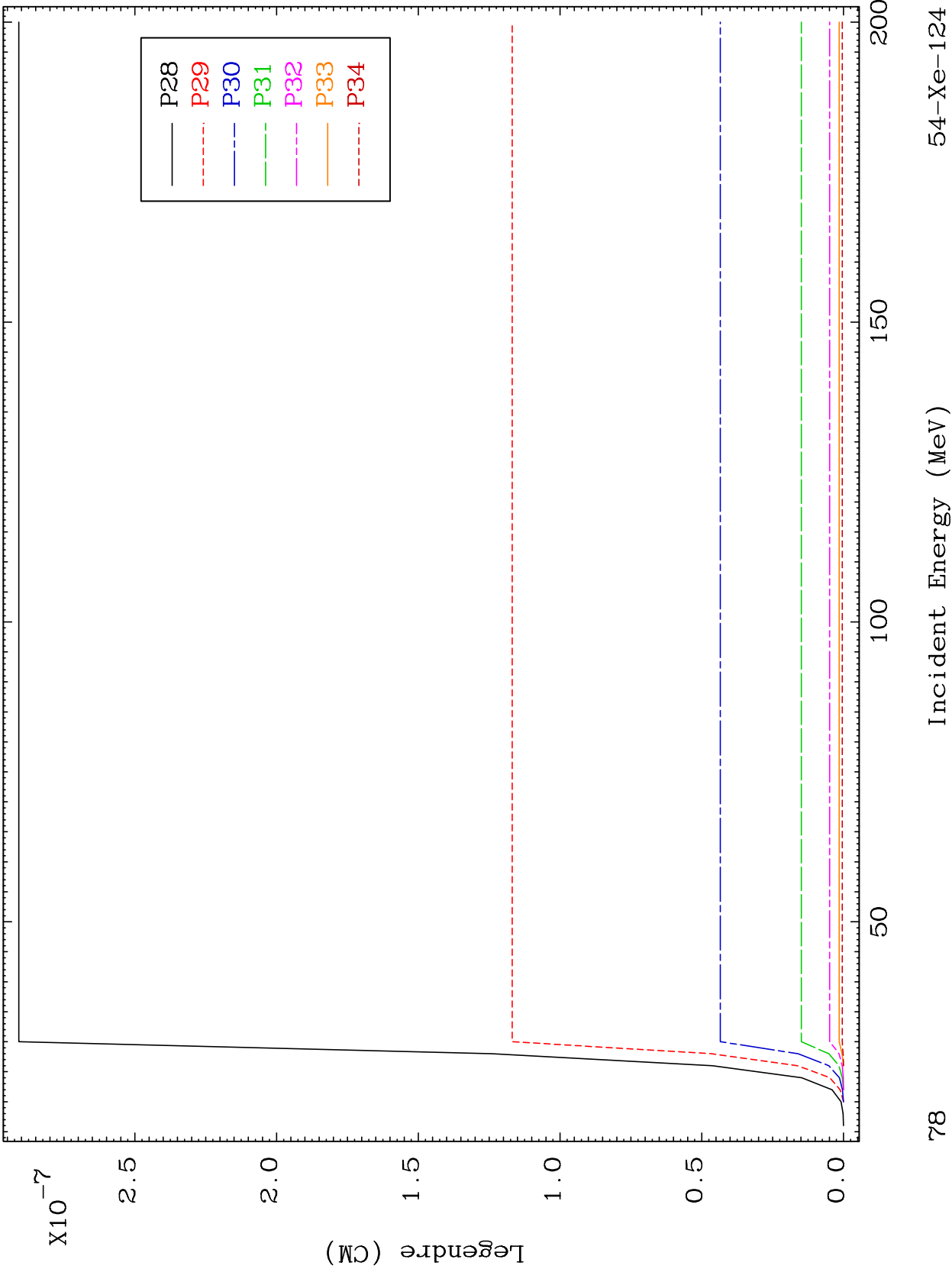
54-Xe-124

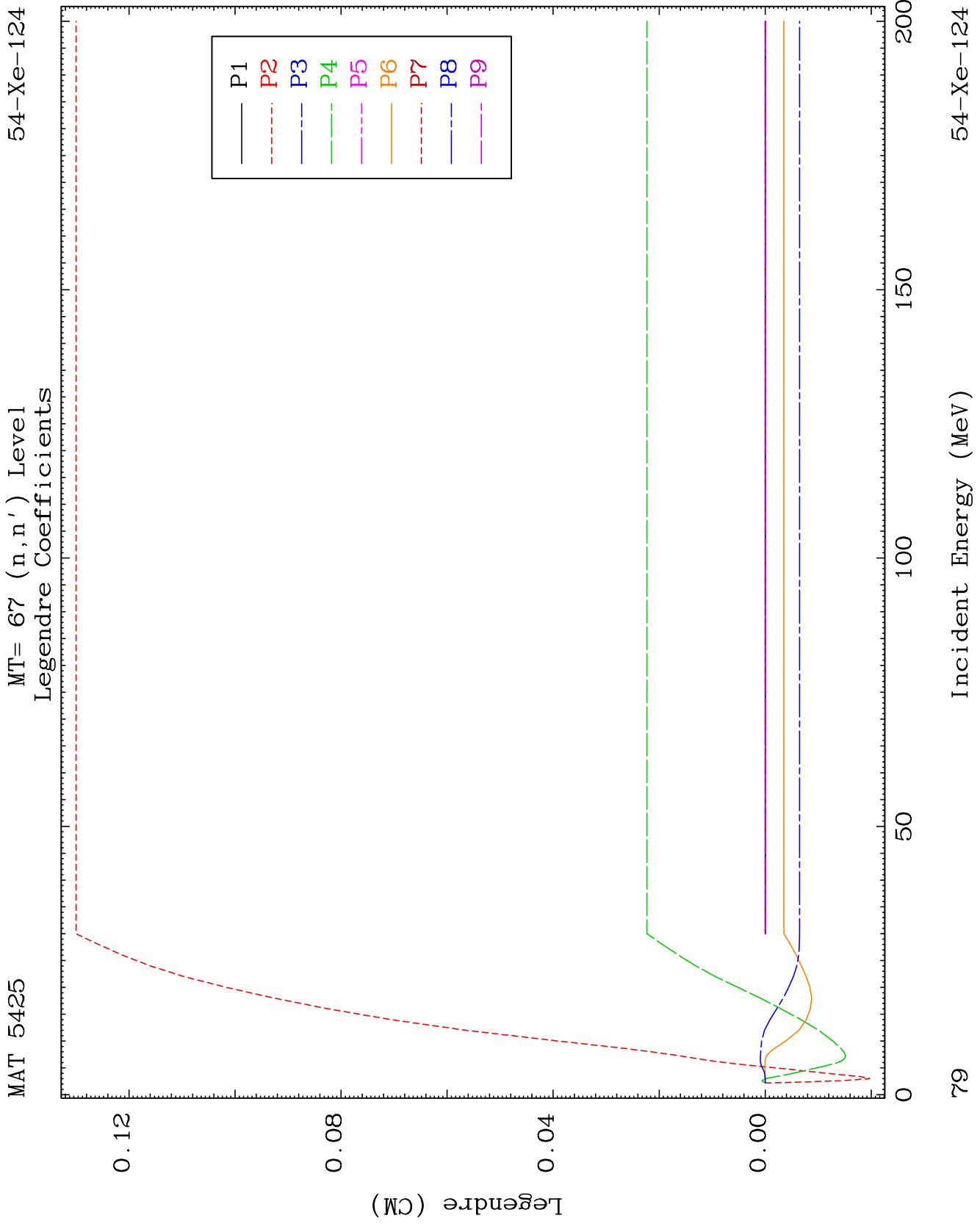


MAT 5425

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

54-Xe-124

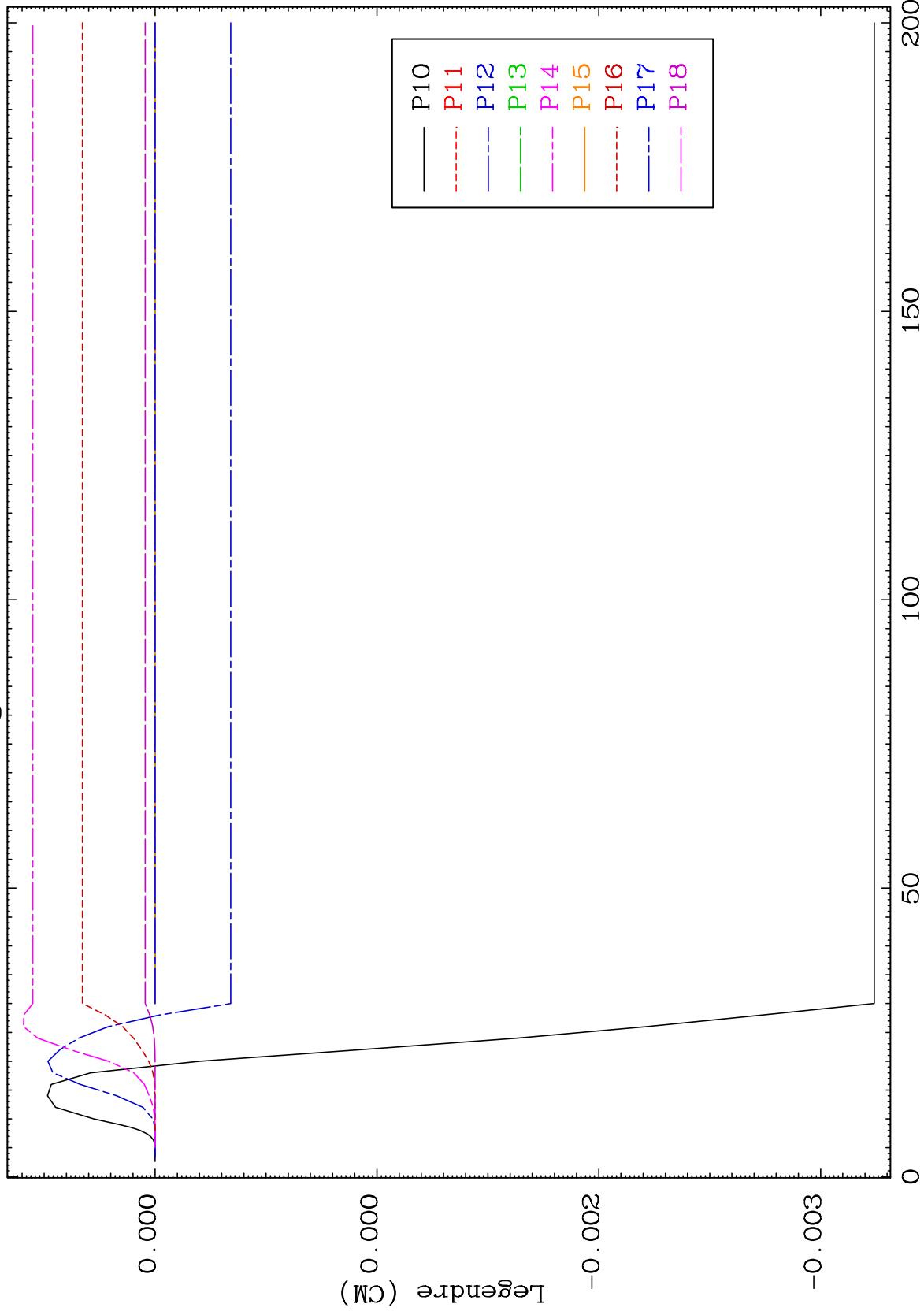




MAT 5425

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

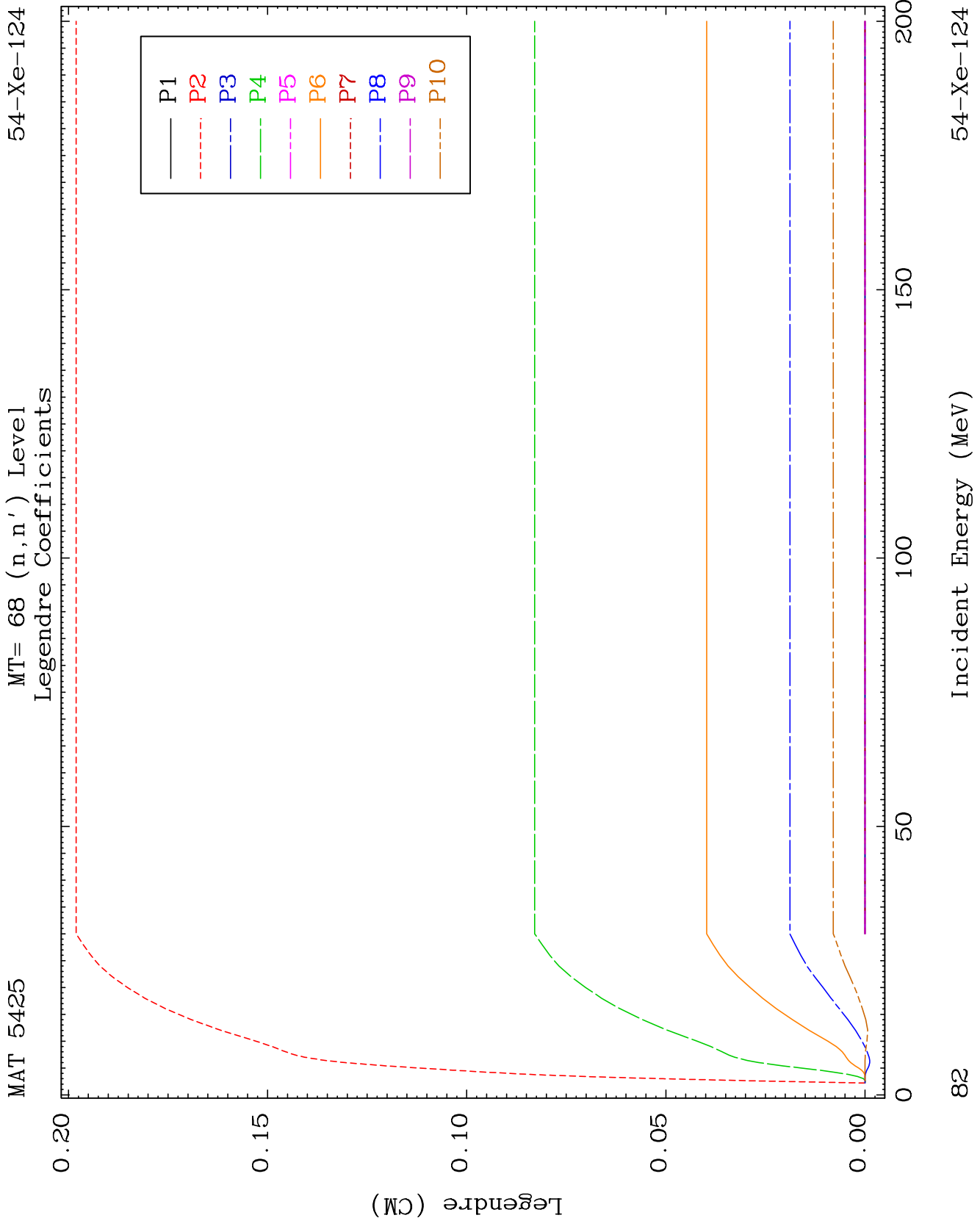
54-Xe-124



80

Incident Energy (MeV)

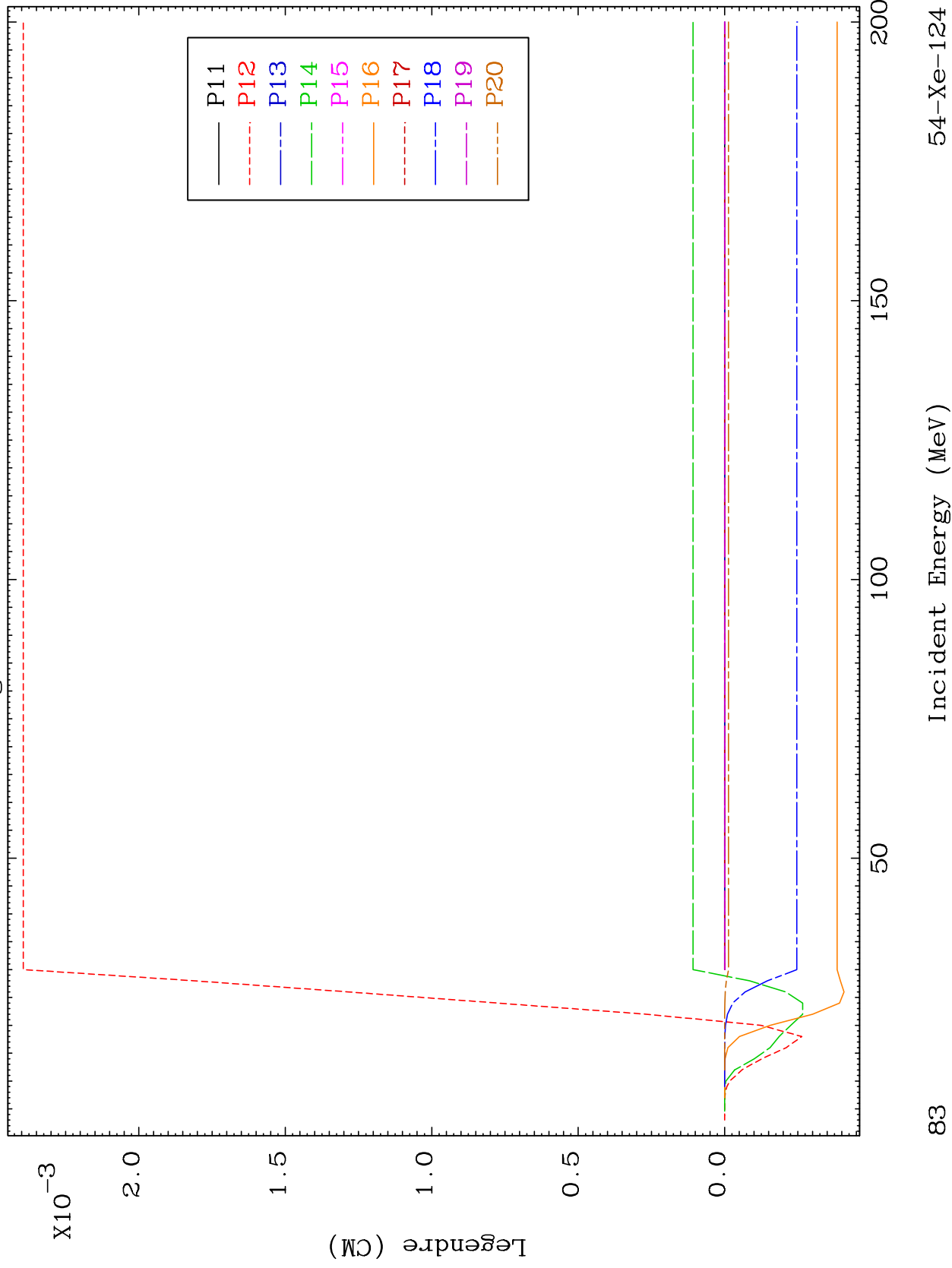
54-Xe-124



MAT 5425

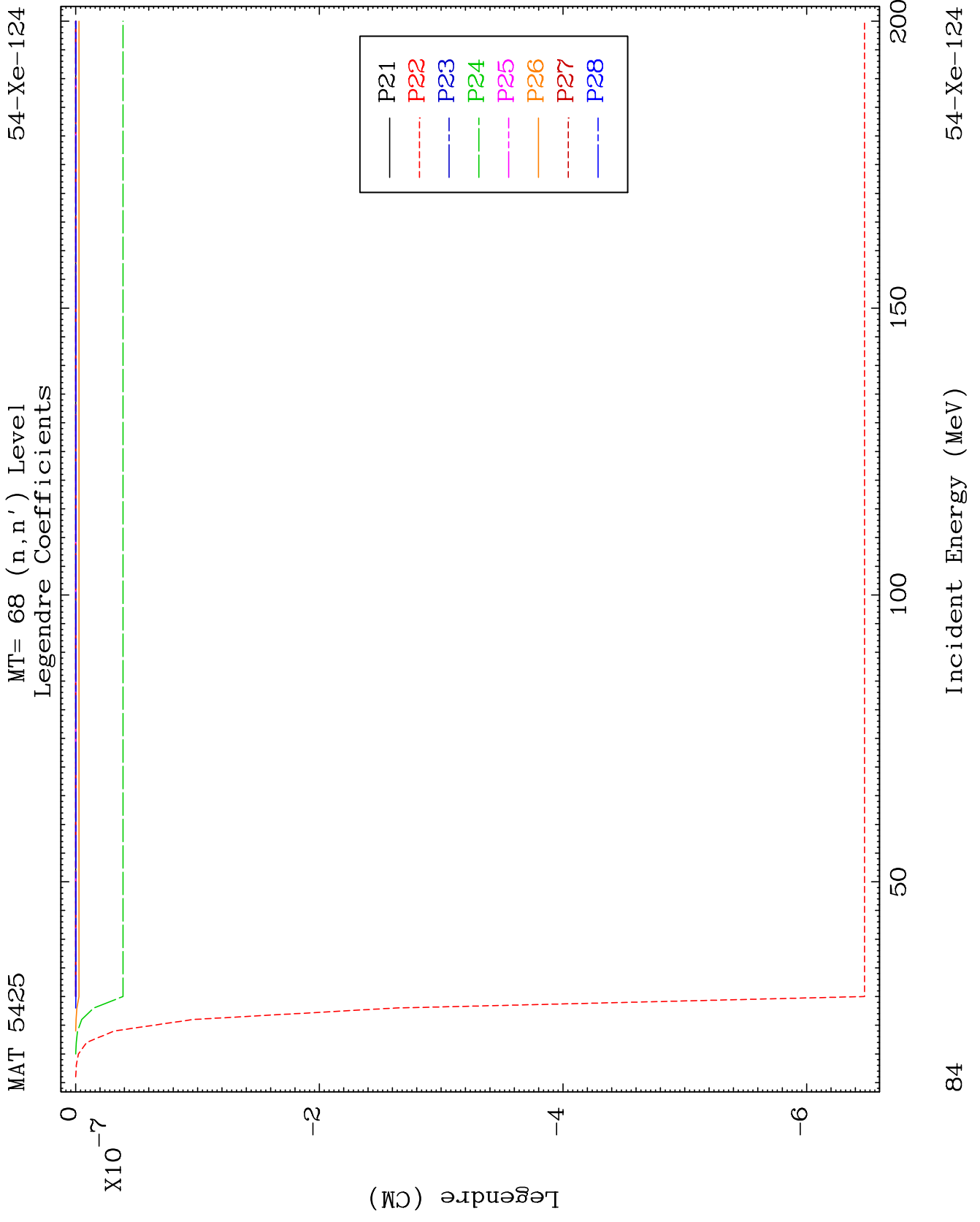
MT= 68 (n,n') Level
Legendre Coefficients

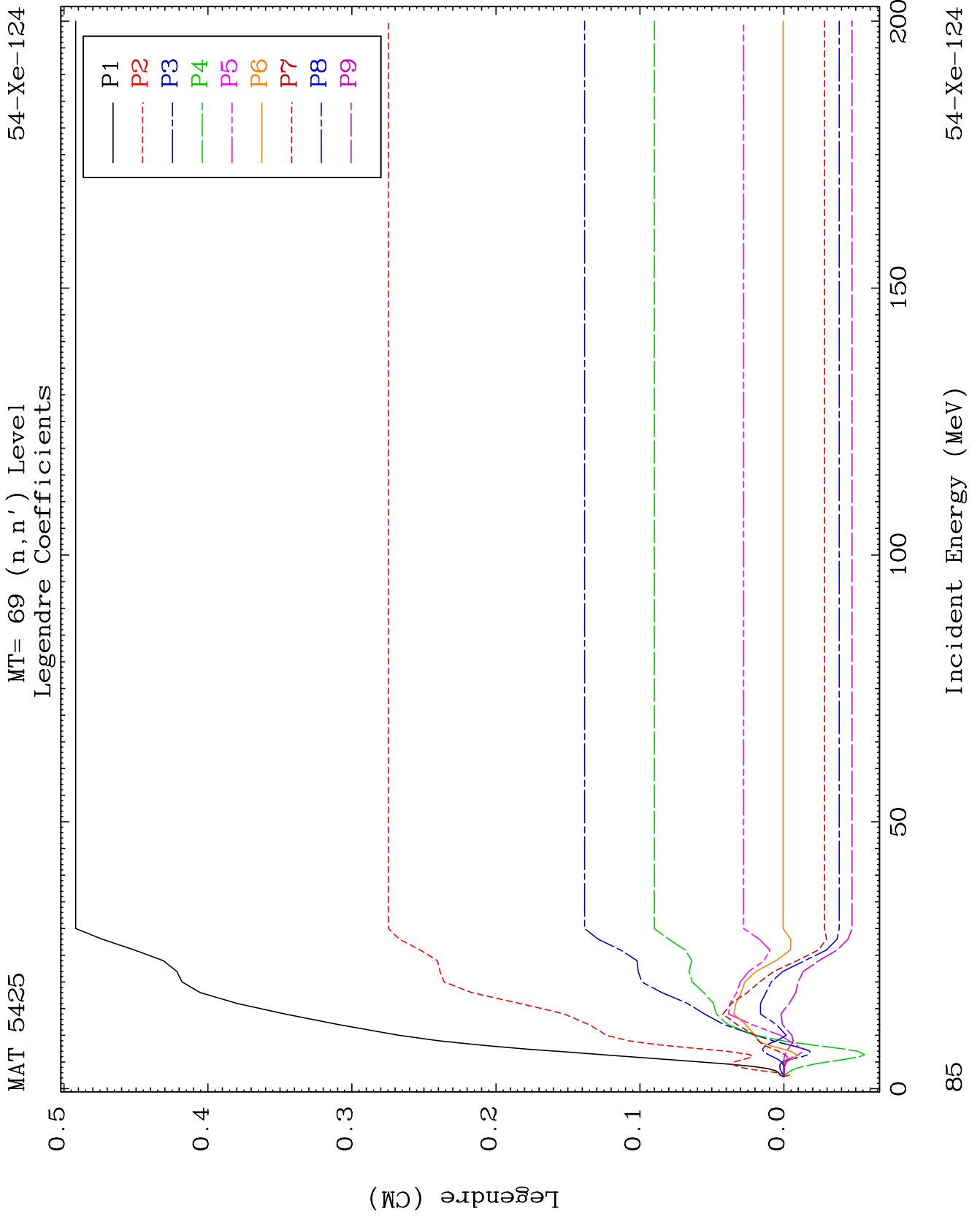
54-Xe-124



83

54-Xe-124

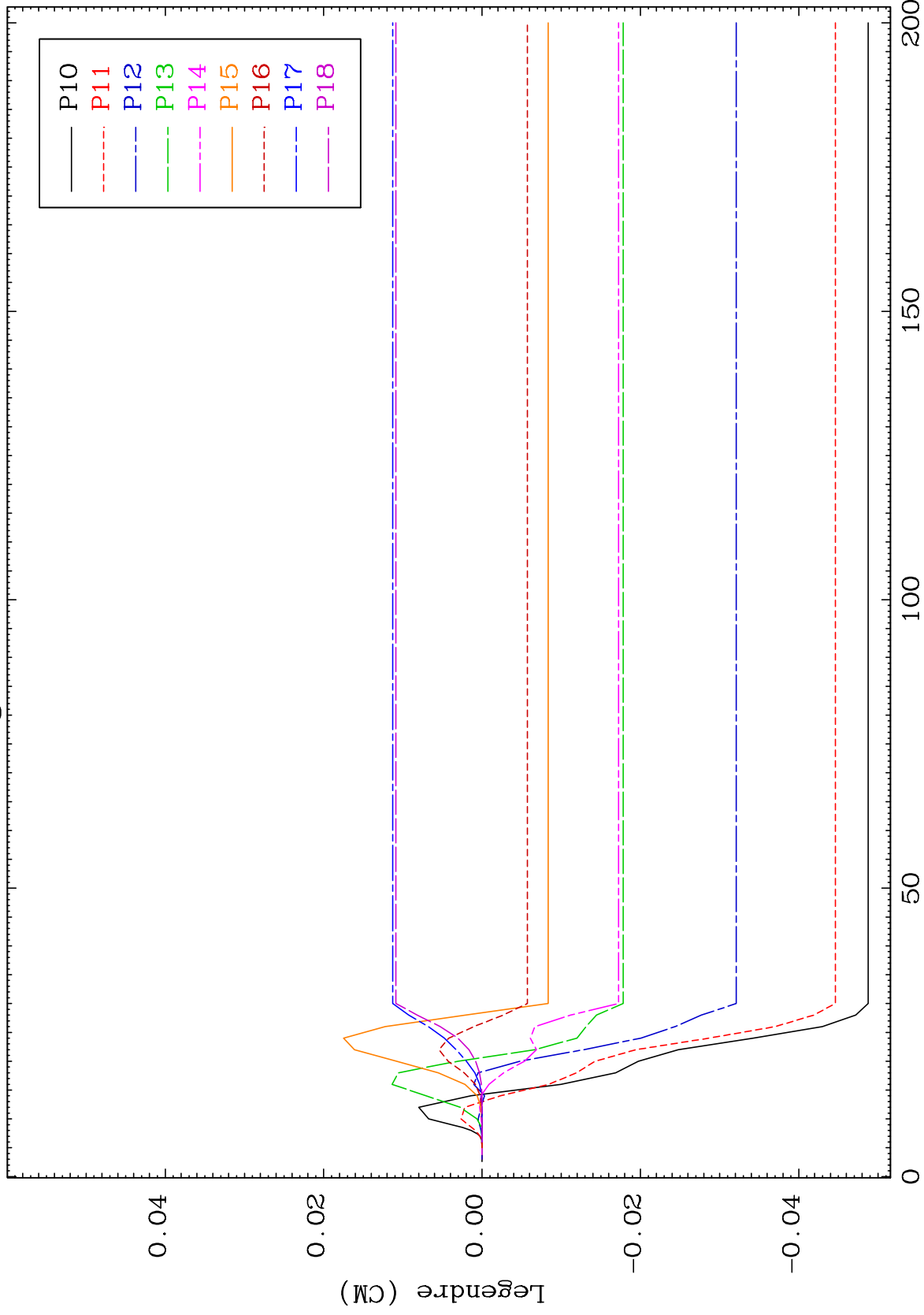




MAT 5425

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

54-Xe-124



86

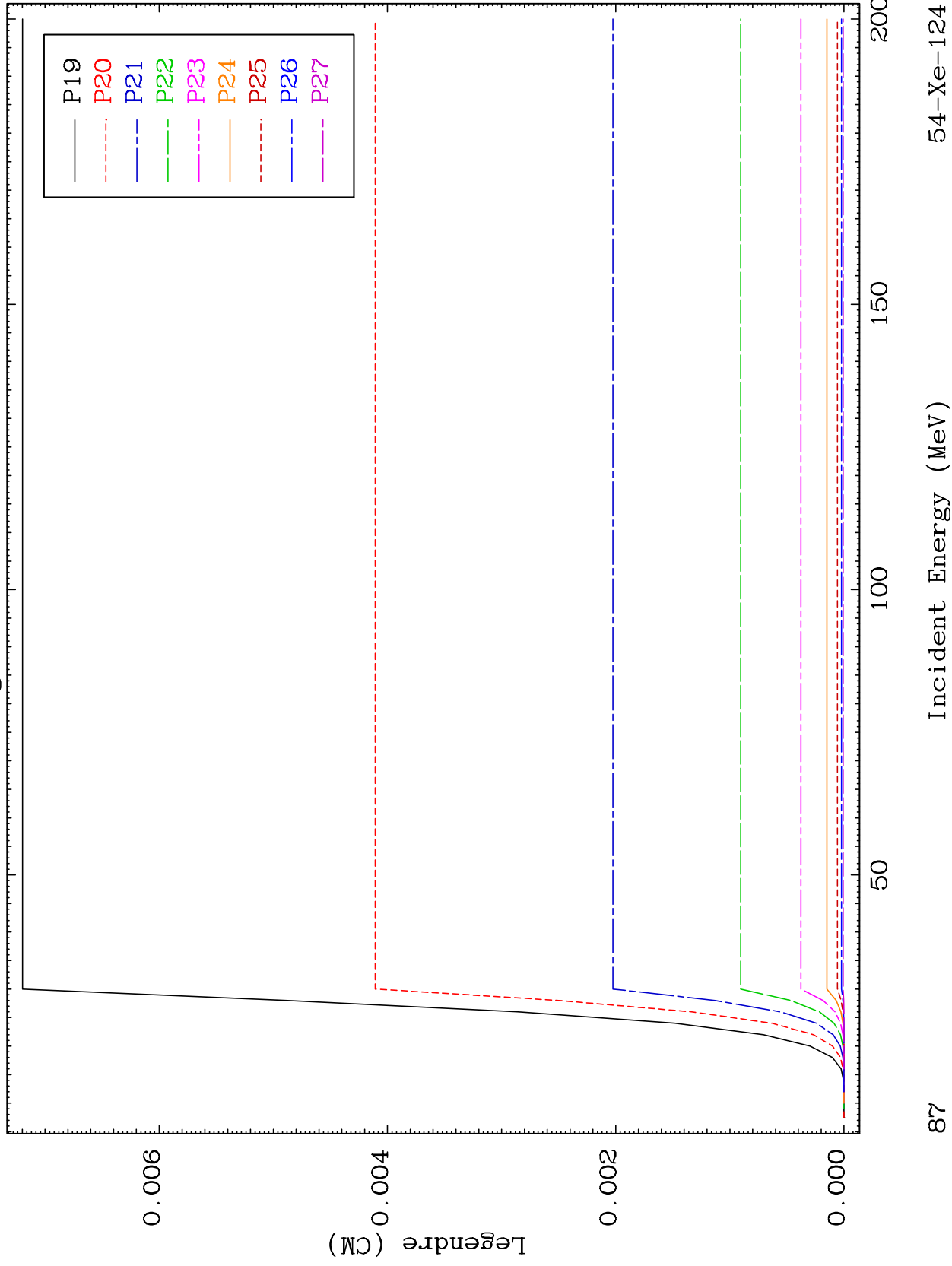
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



87

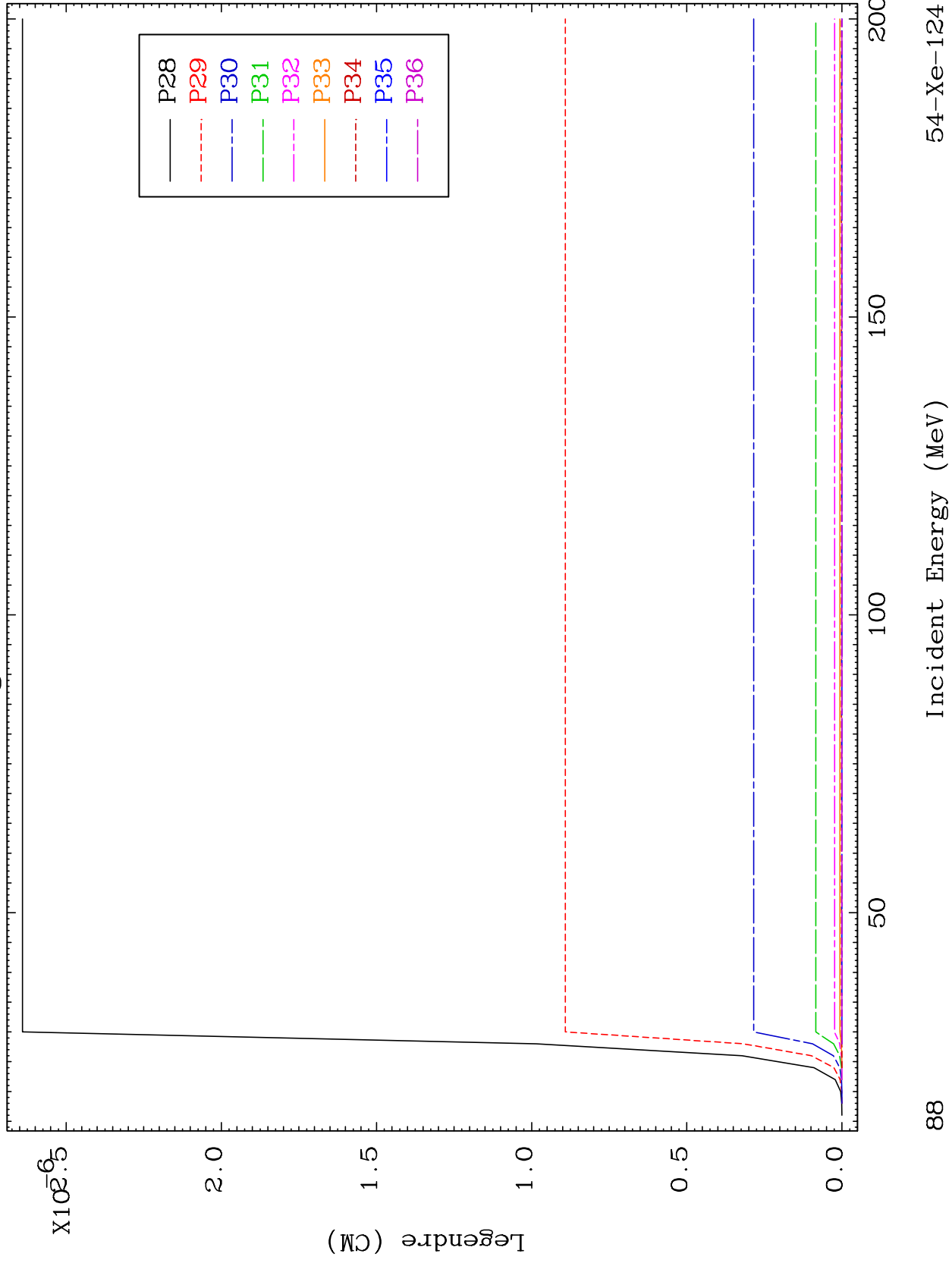
Incident Energy (MeV)

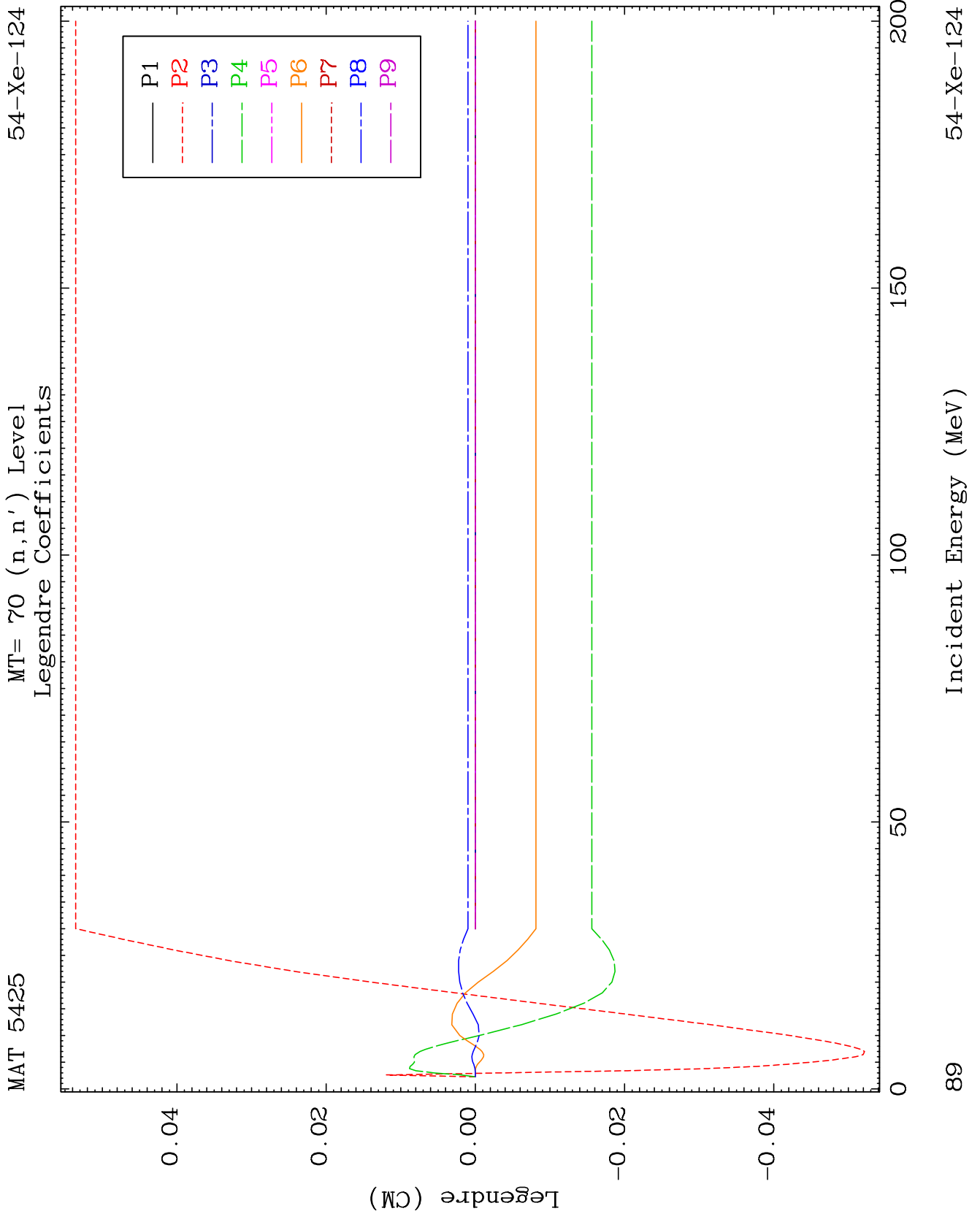
54-Xe-124

MAT 5425

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

54-Xe-124

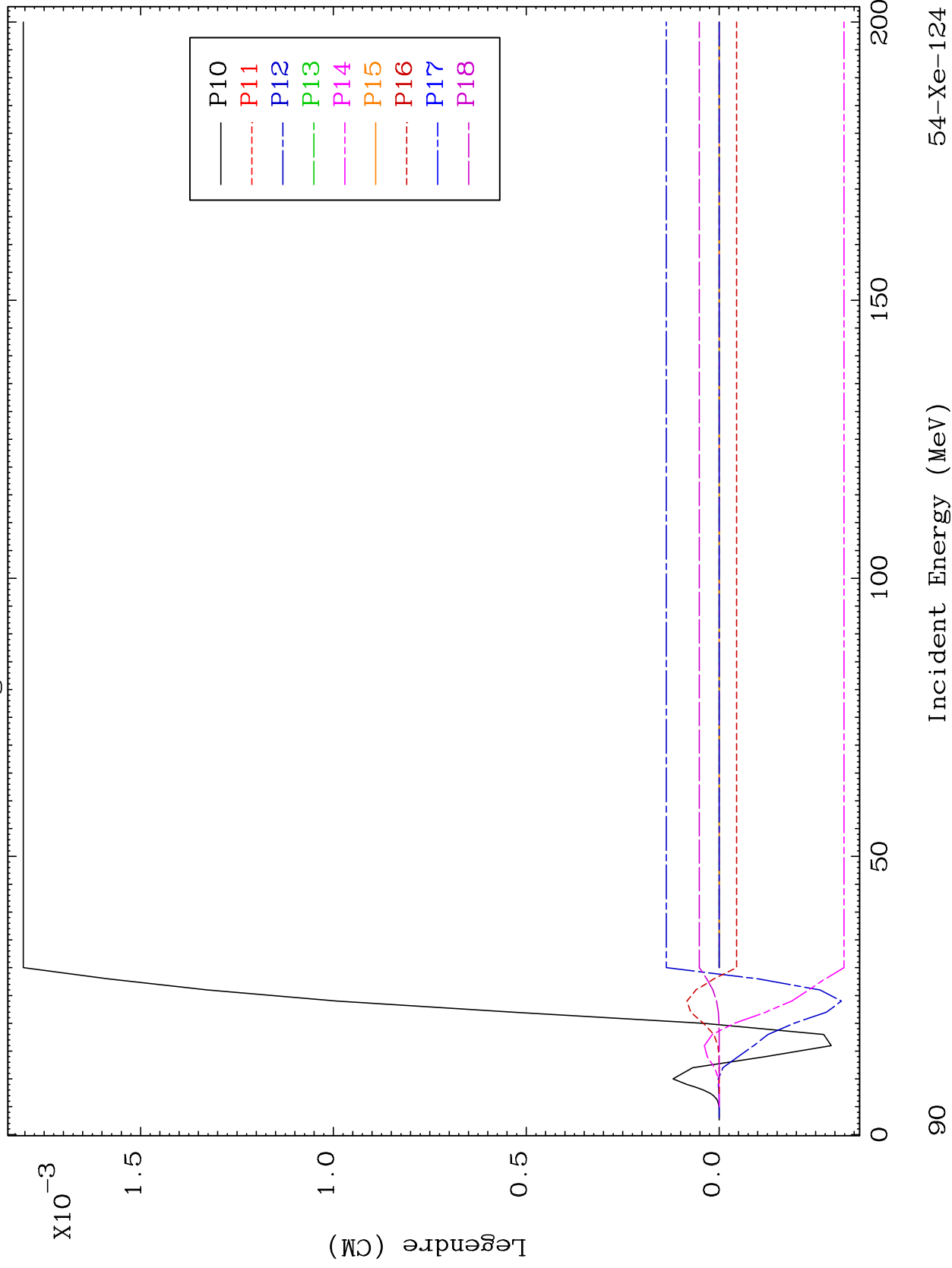


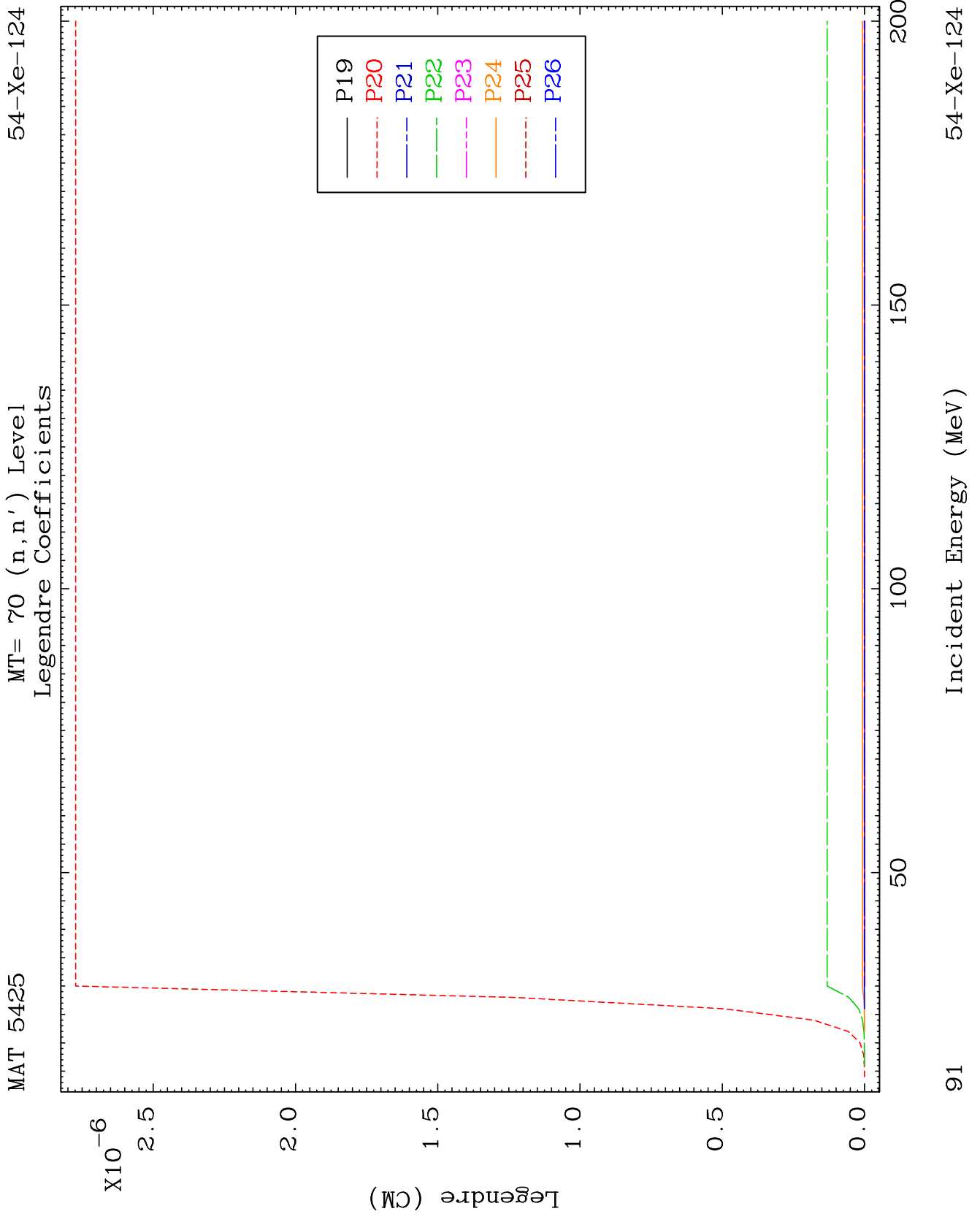


MAT 5425

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

54-Xe-124

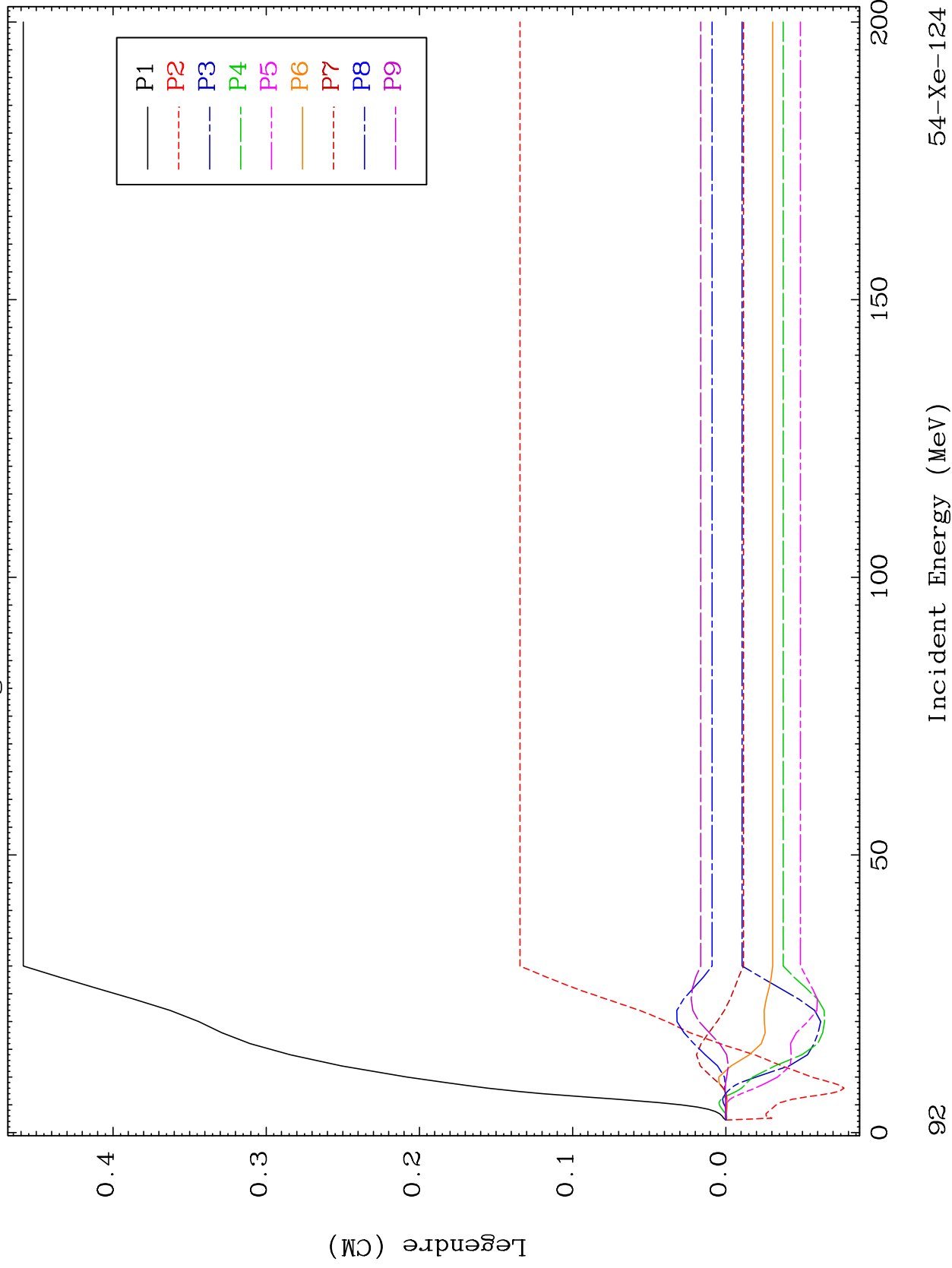




MAT 5425

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

54-Xe-124



92

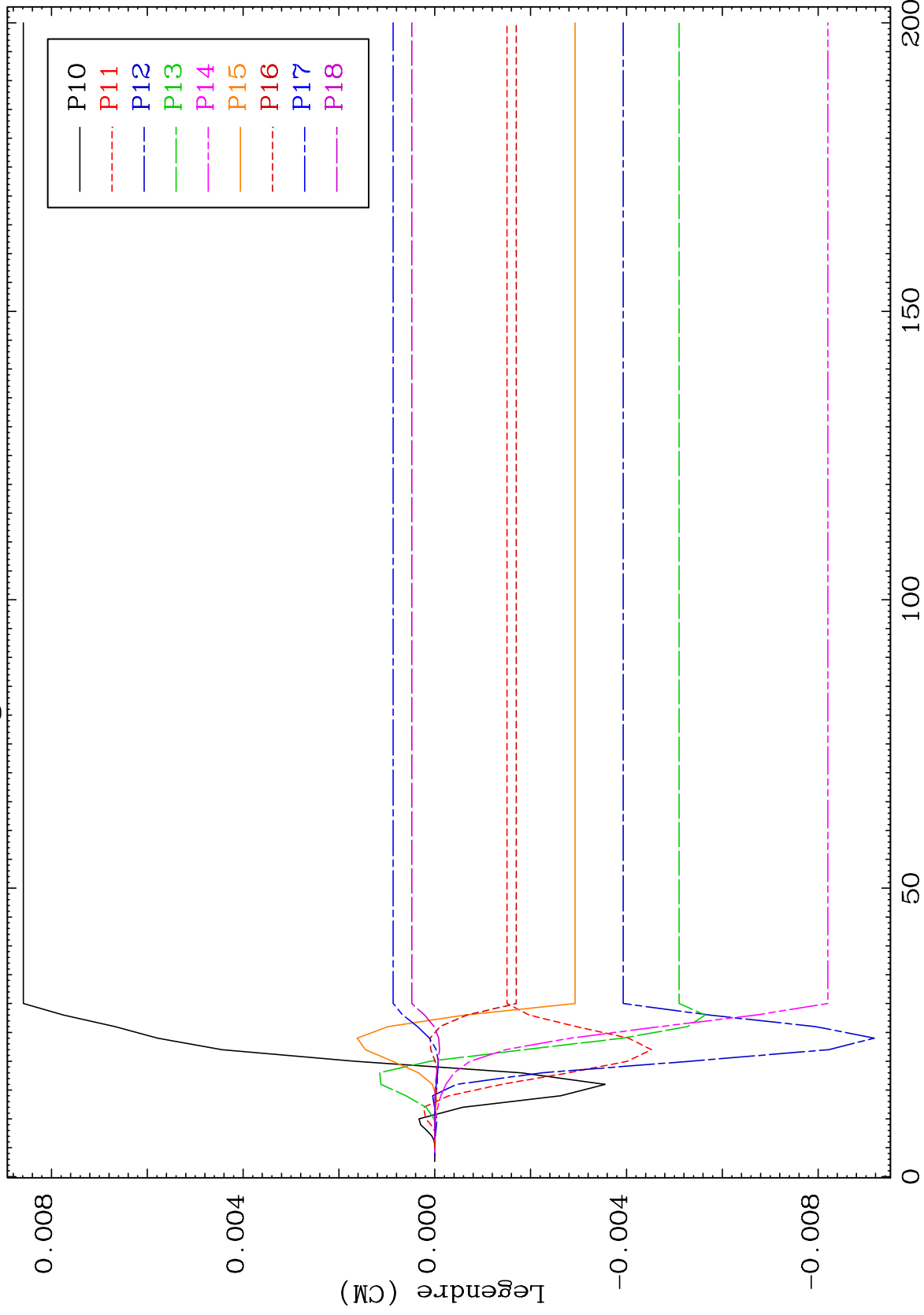
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



93

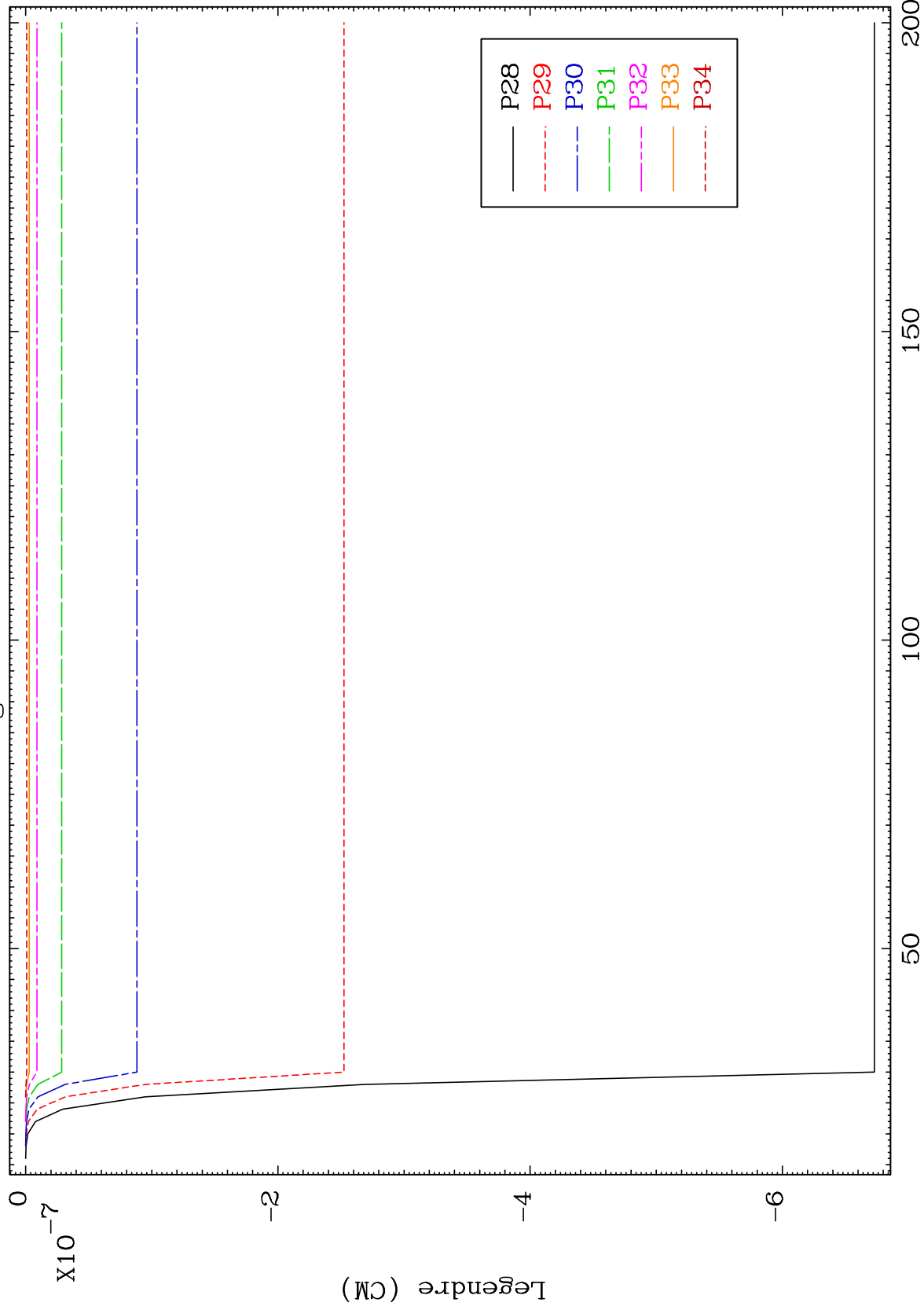
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



95

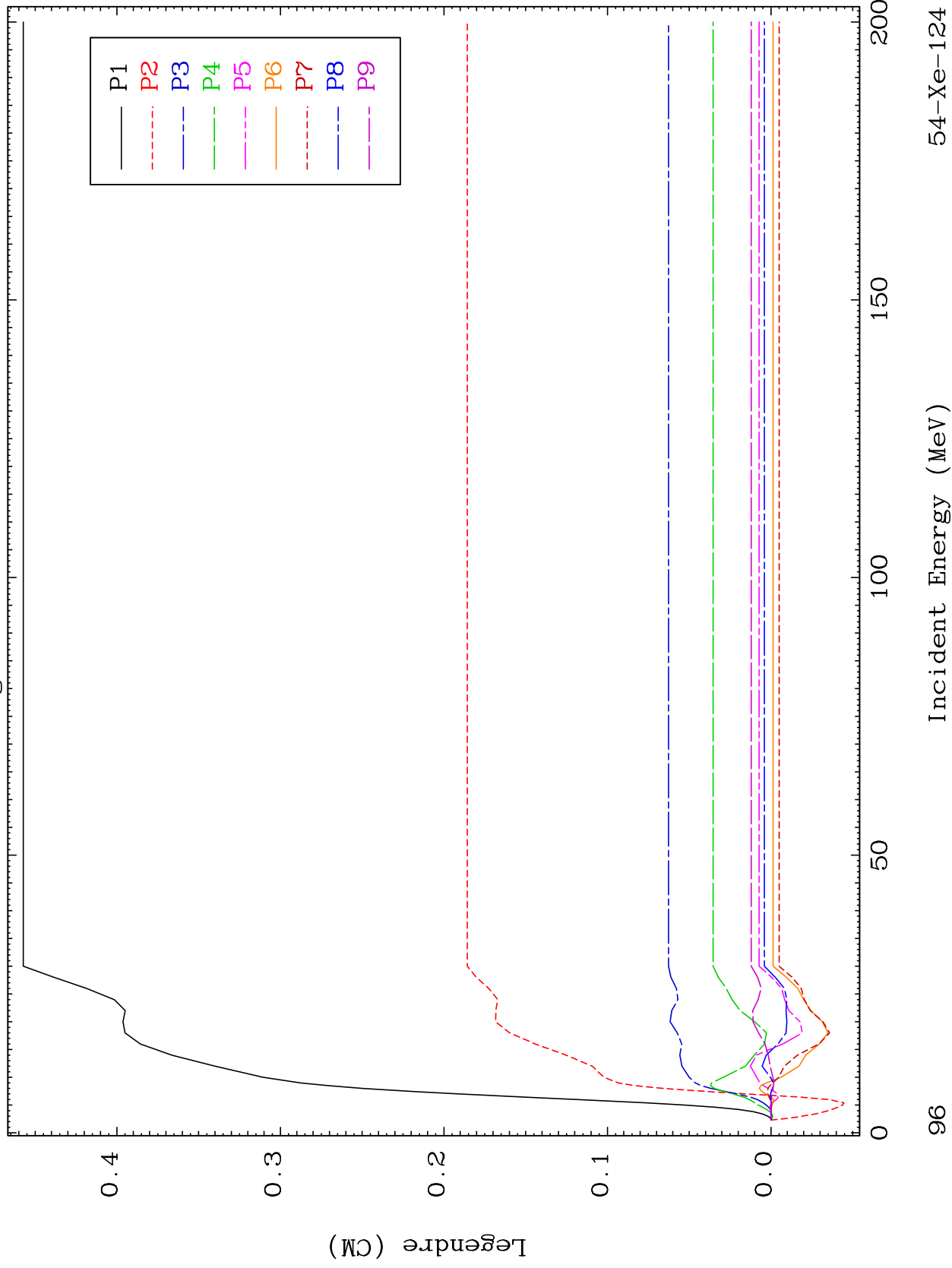
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



54-Xe-124

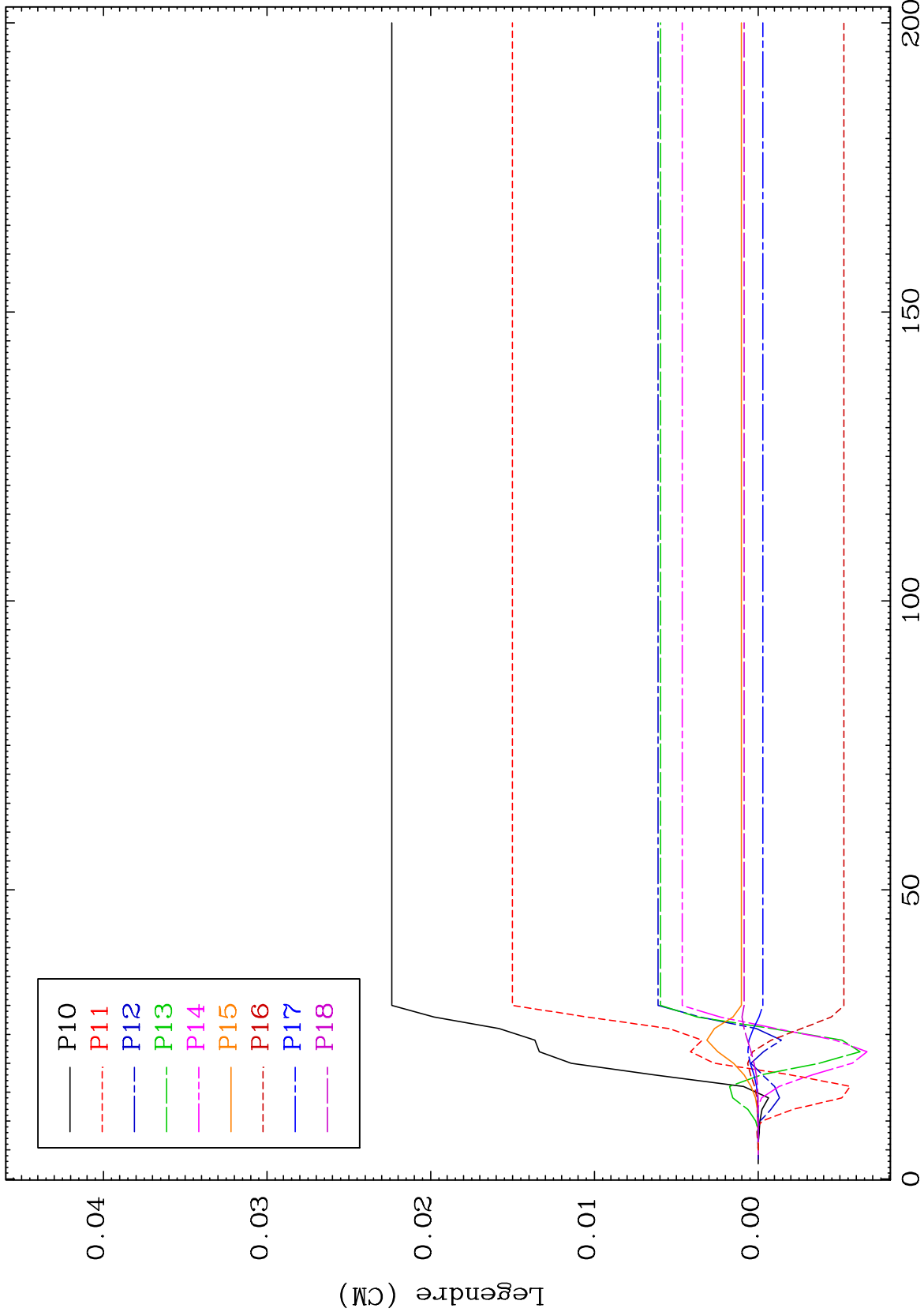
Incident Energy (MeV)

96

MAT 5425

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

54-Xe-124



97

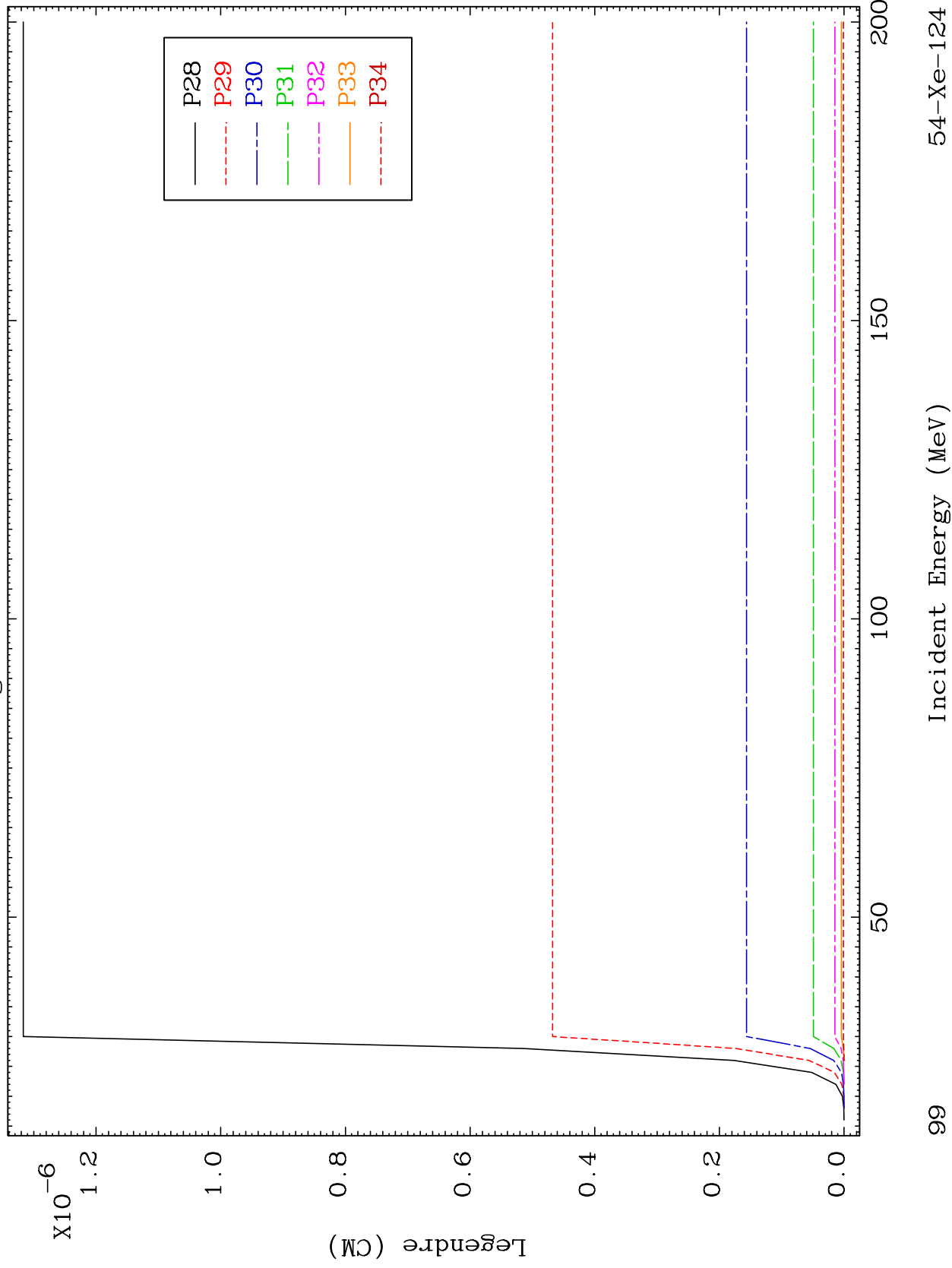
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



99

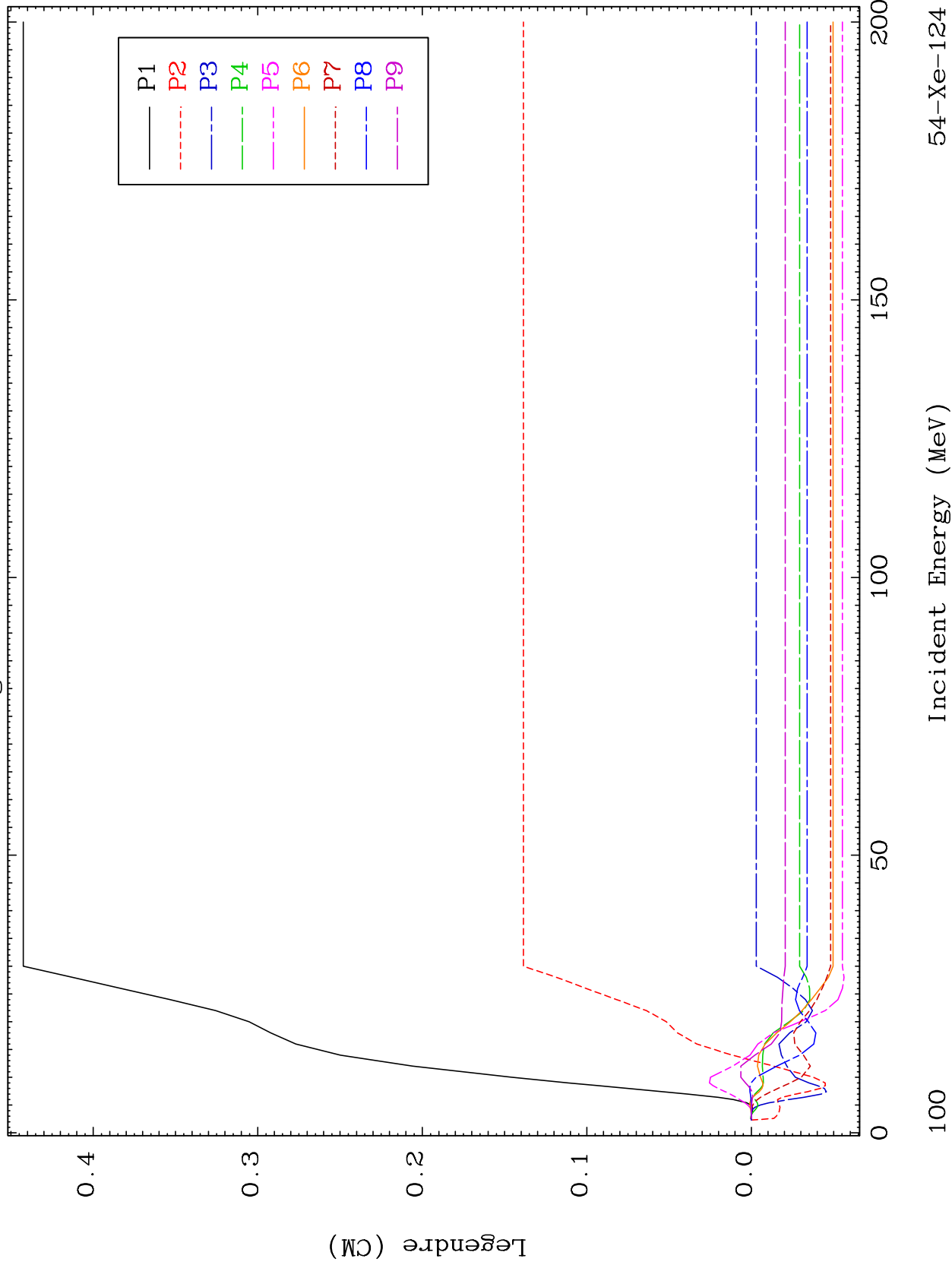
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



54-Xe-124

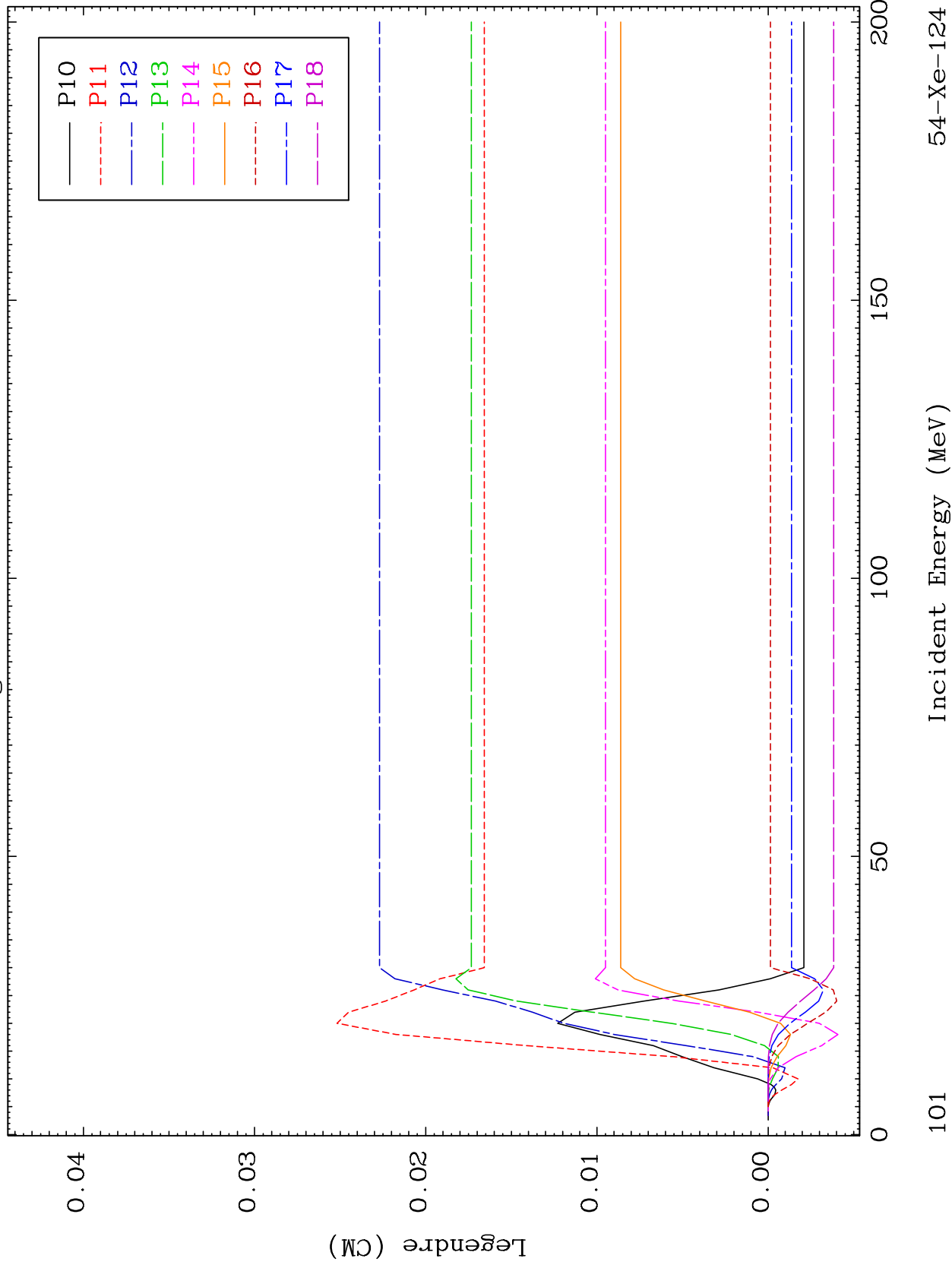
Incident Energy (MeV)

0

MAT 5425

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

54-Xe-124



54-Xe-124

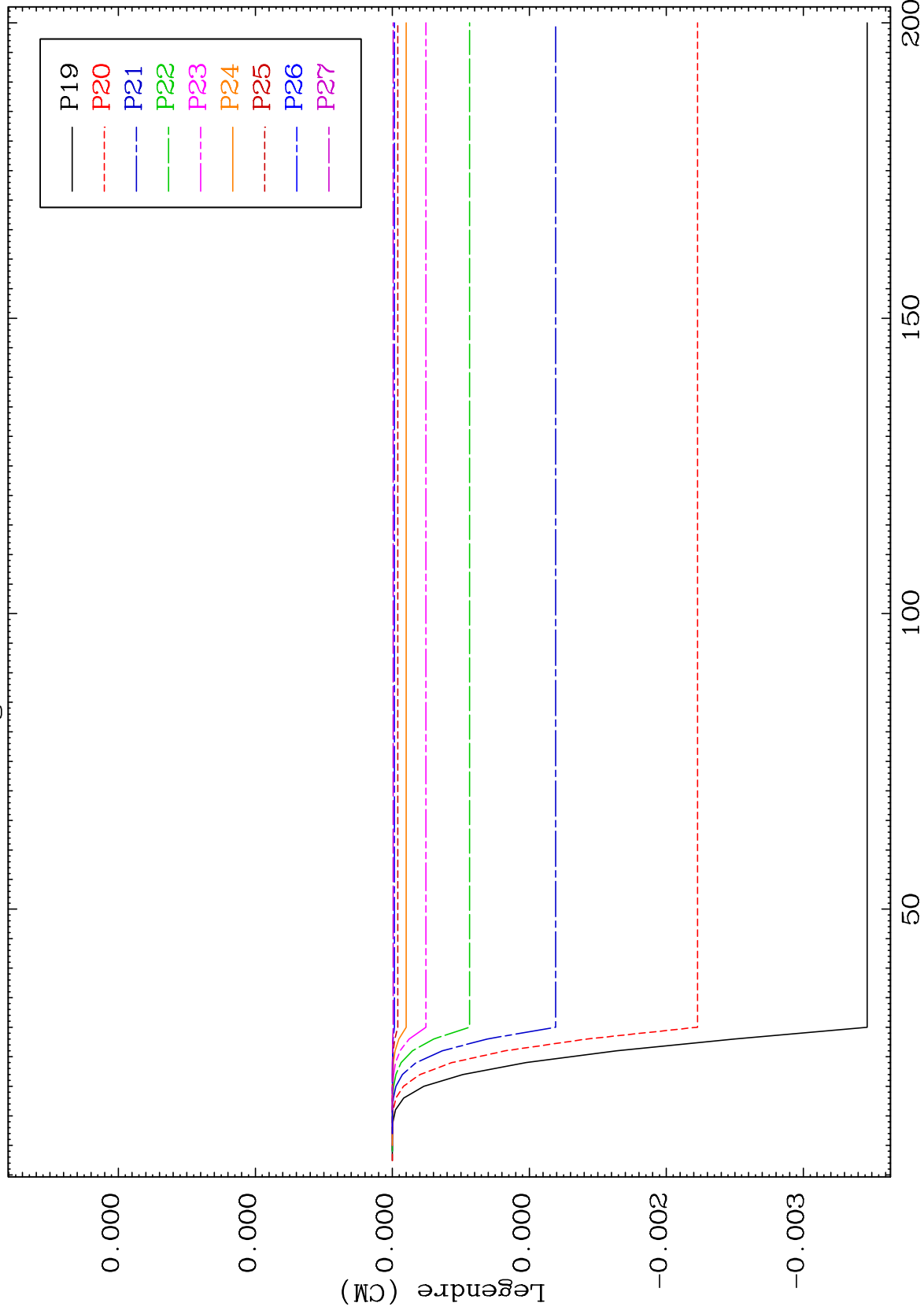
Incident Energy (MeV)

101

MAT 5425

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

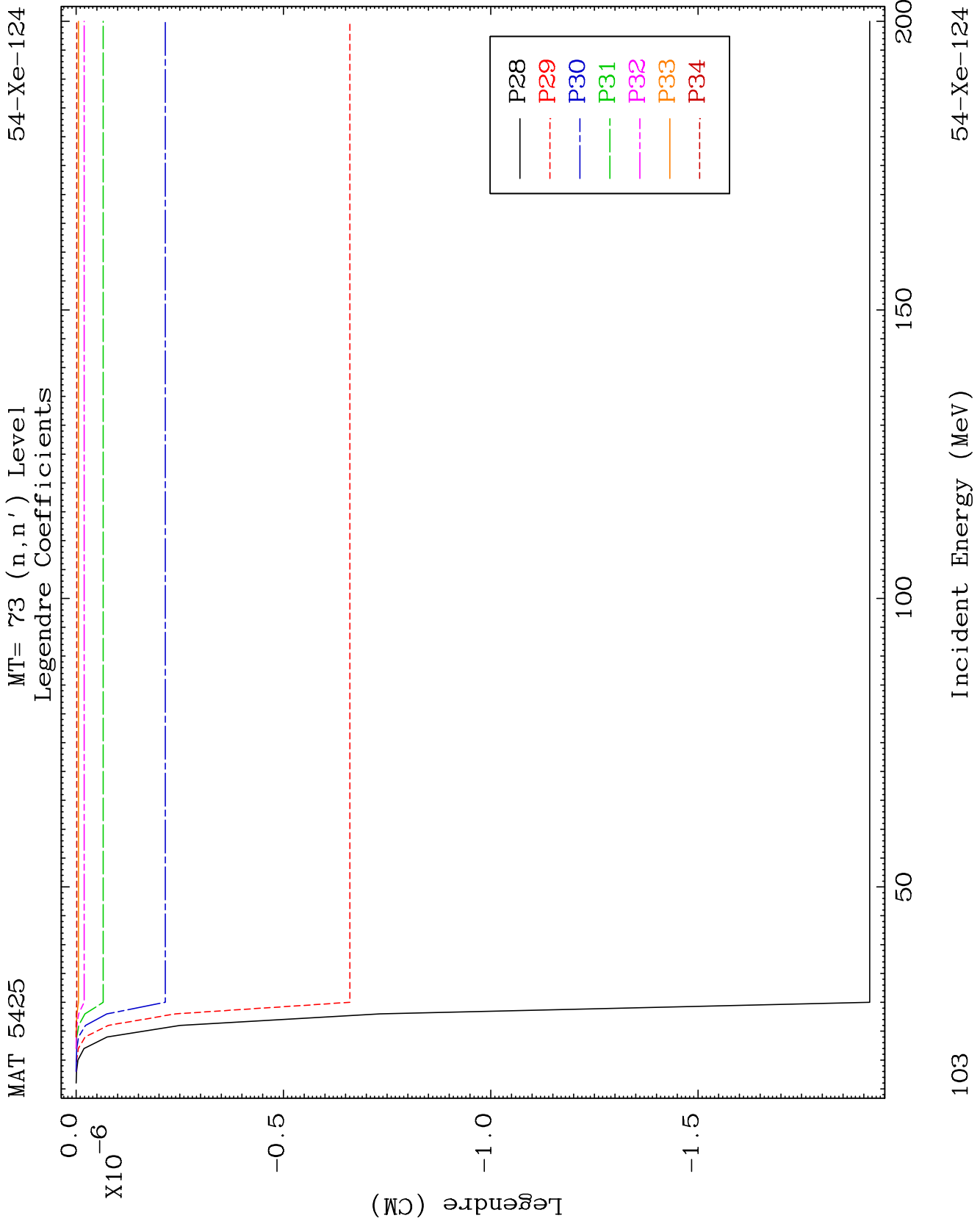
54-Xe-124



102

Incident Energy (MeV)

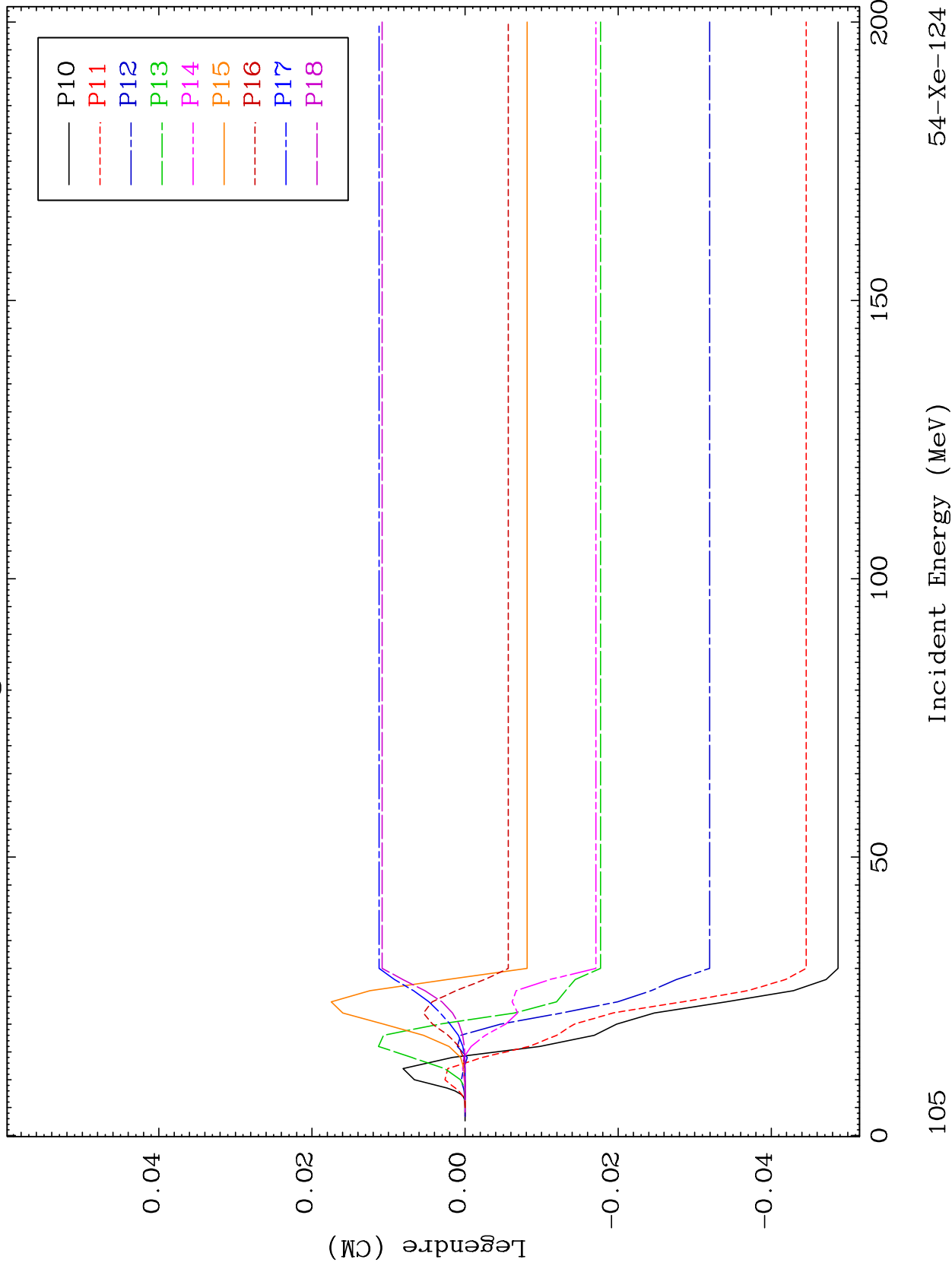
54-Xe-124



MAT 5425

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

54-Xe-124



54-Xe-124

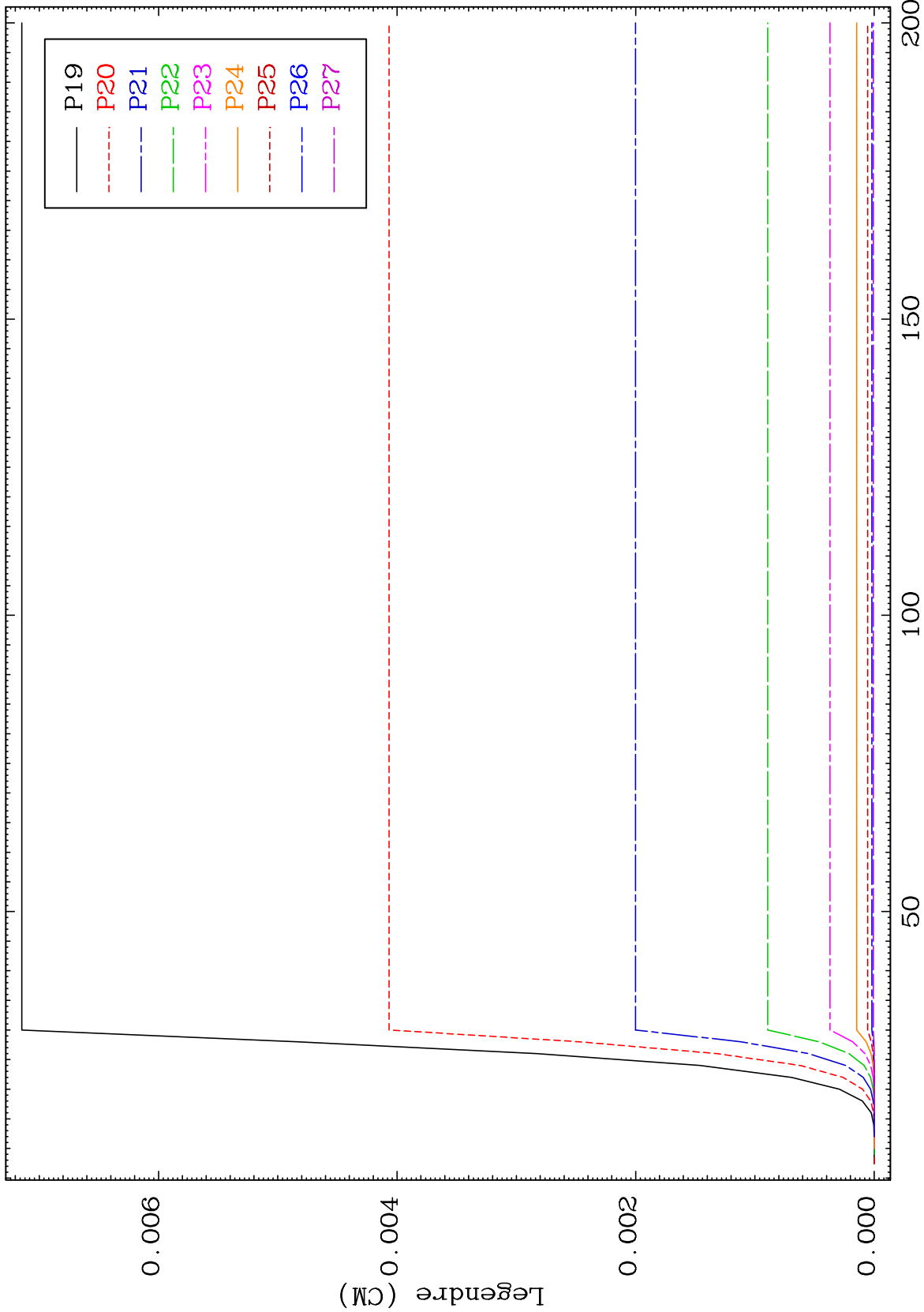
Incident Energy (MeV)

105

MAT 5425

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

54-Xe-124



106

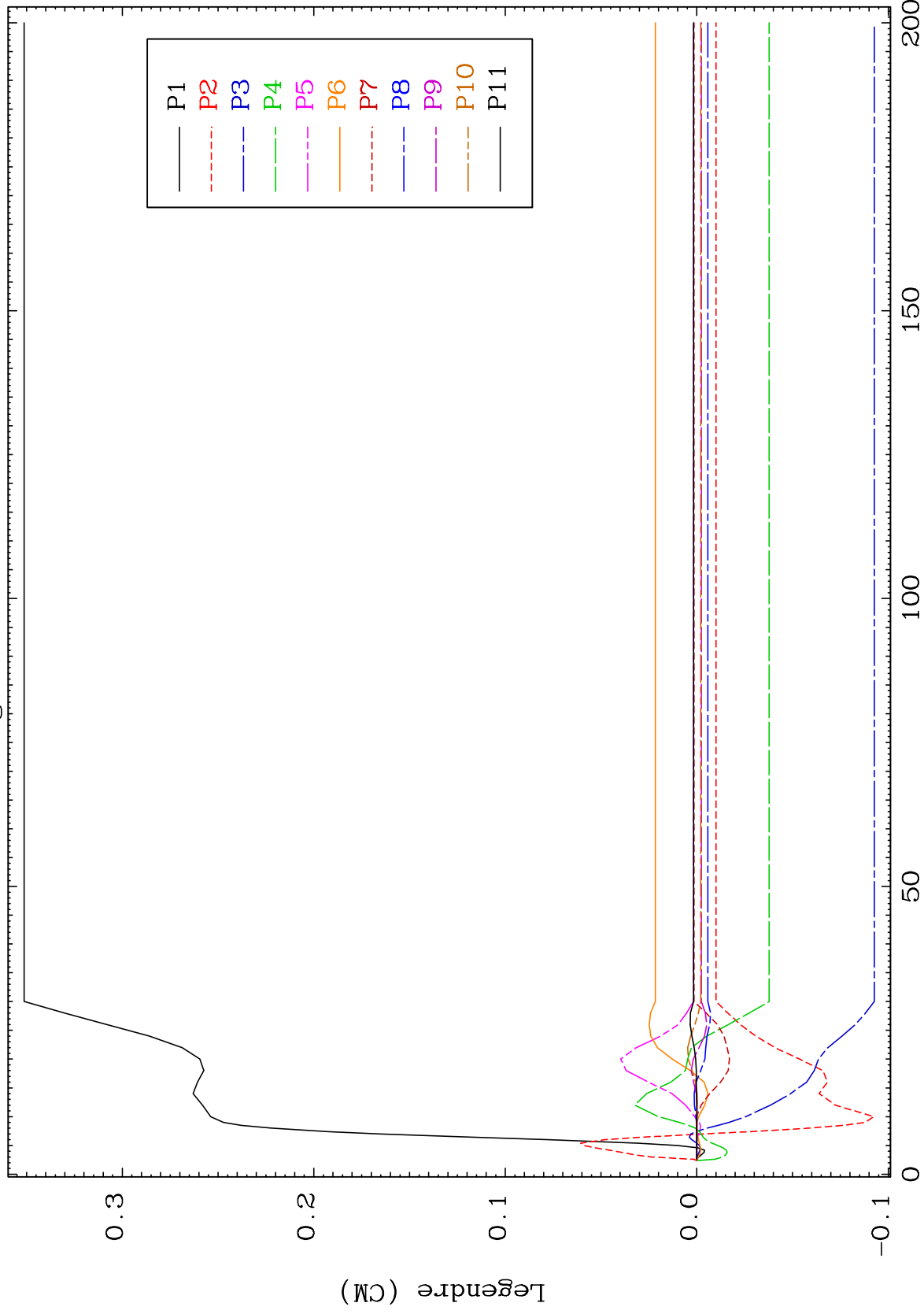
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



108

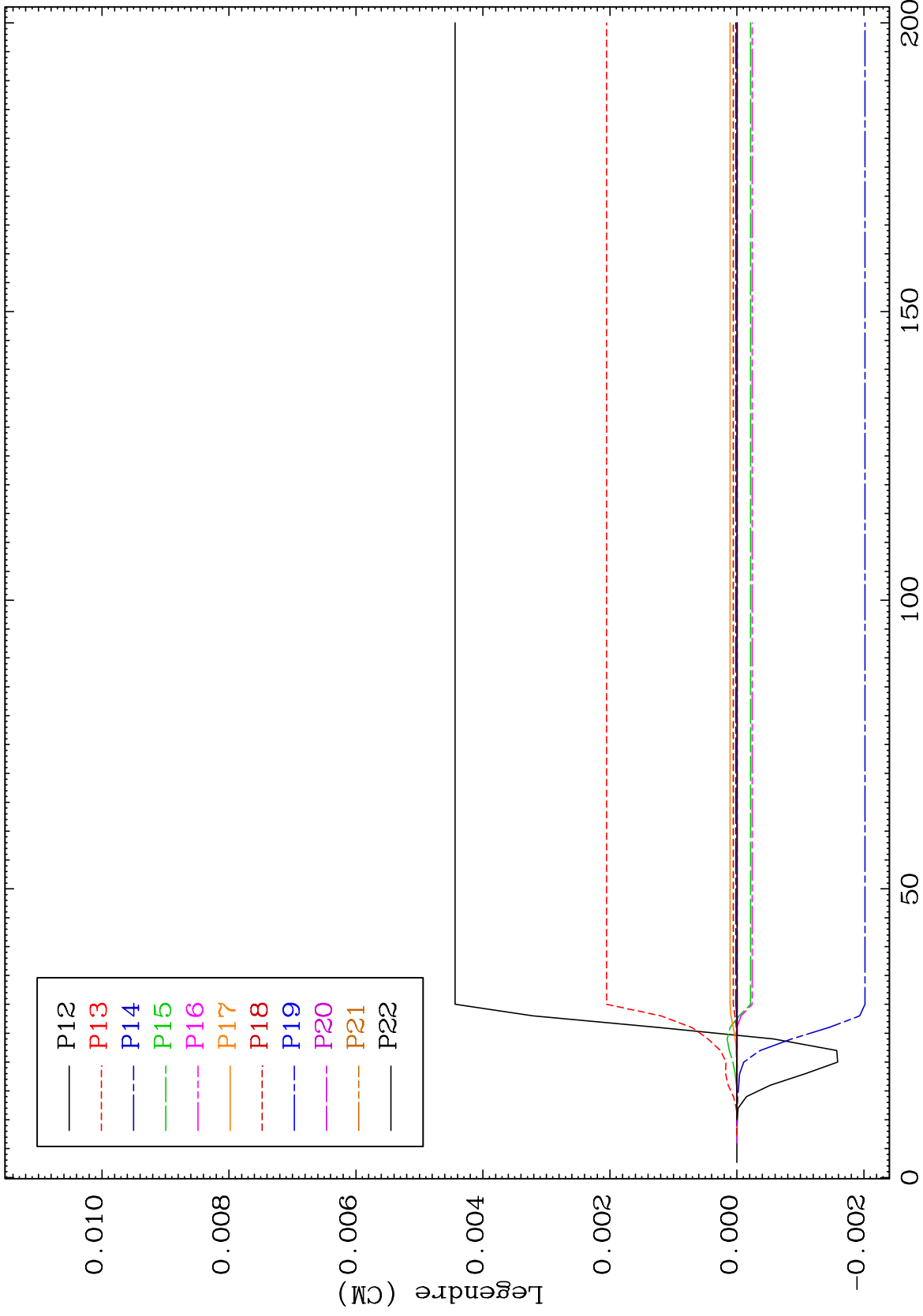
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

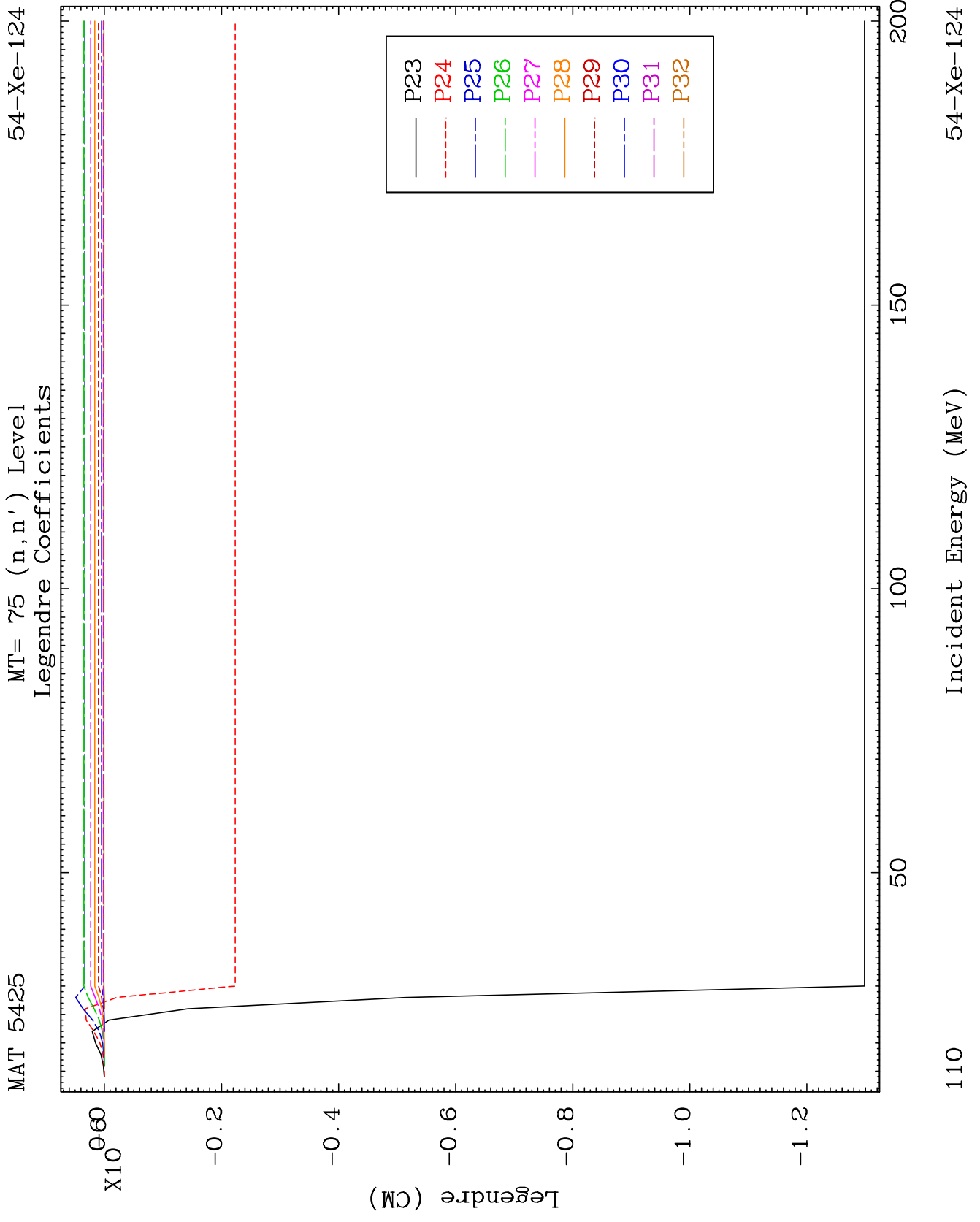
54-Xe-124

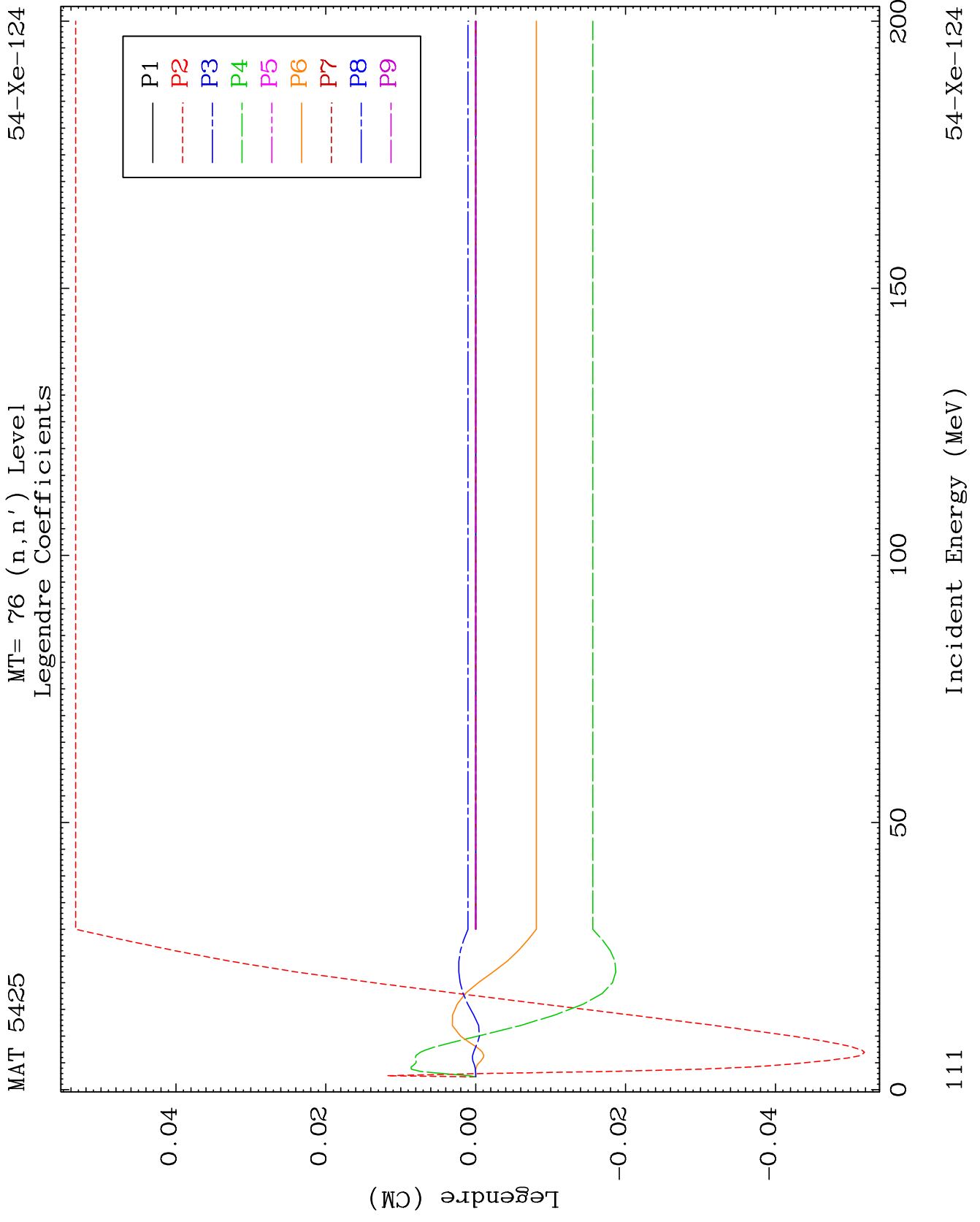


109

Incident Energy (MeV)

54-Xe-124

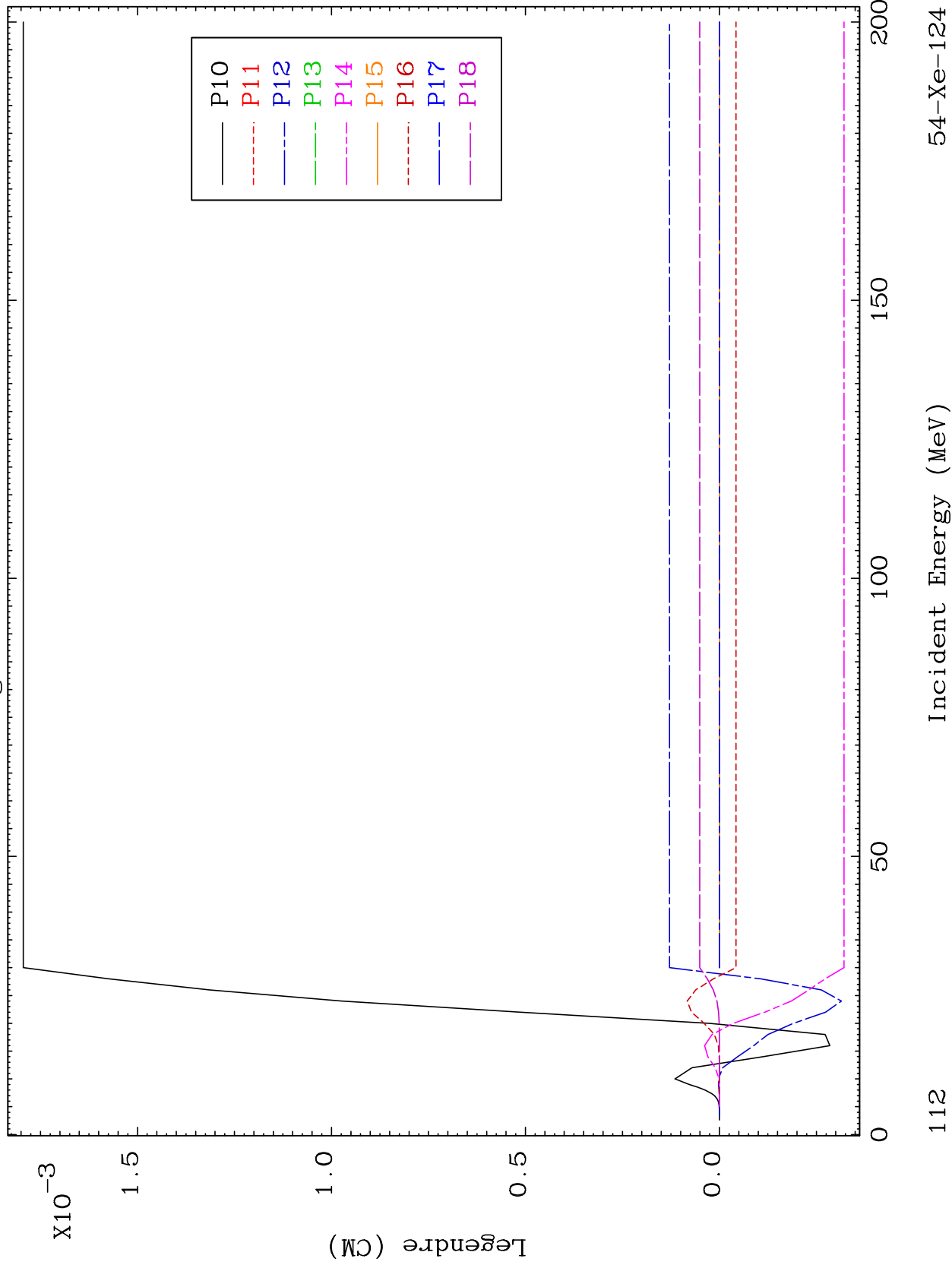




MAT 5425

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

54-Xe-124



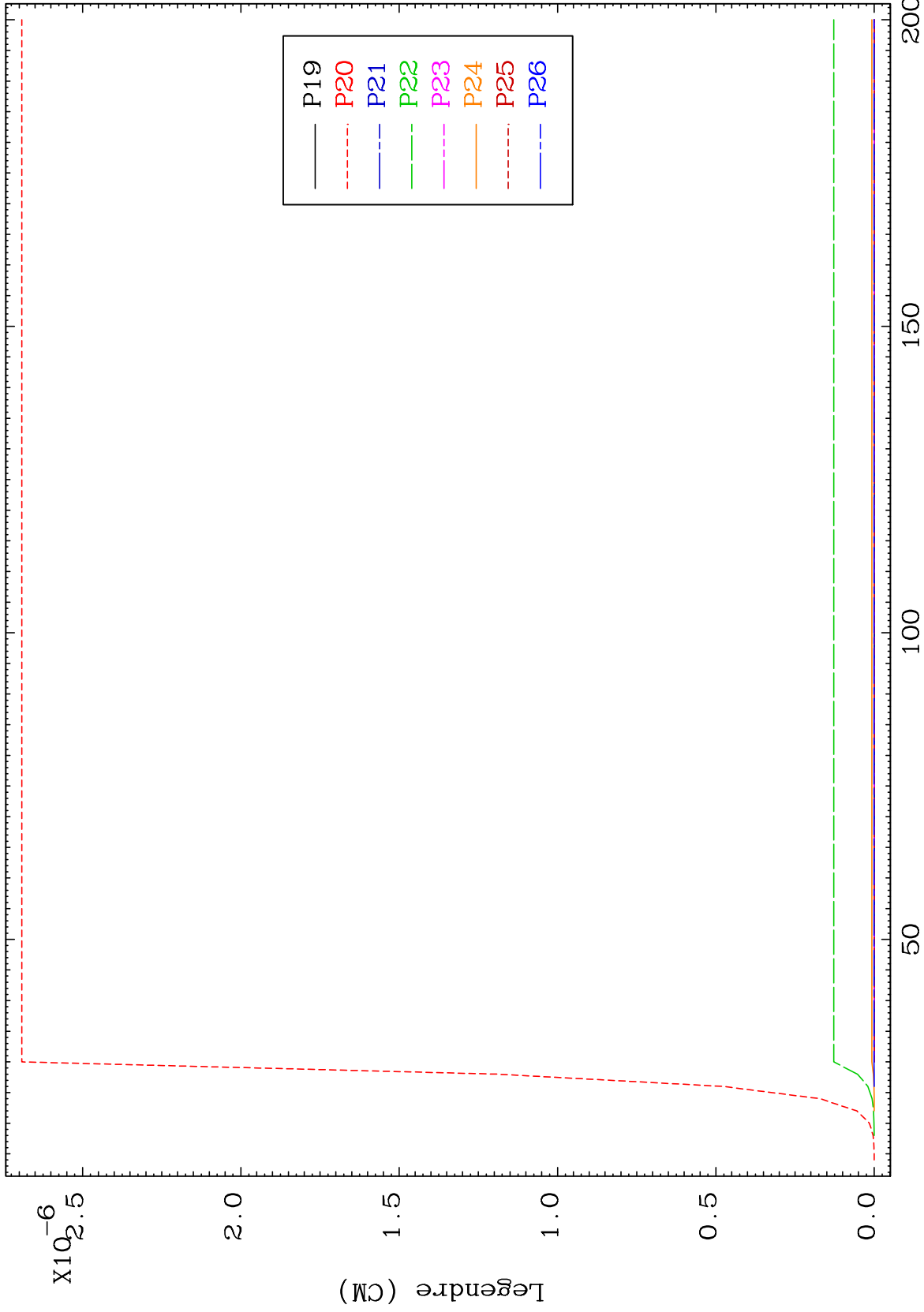
112

54-Xe-124

MAT 5425

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

54-Xe-124



113

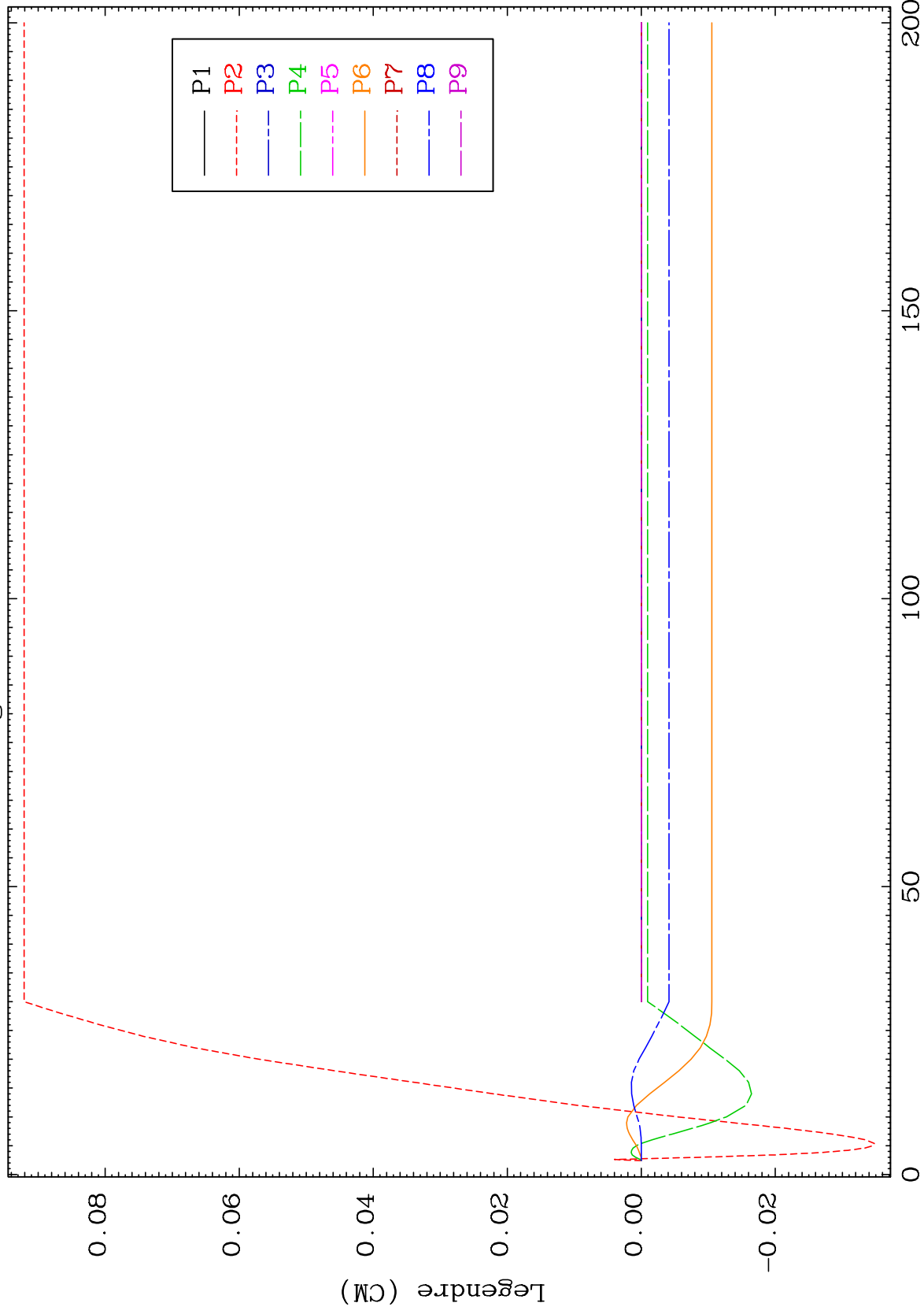
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



114

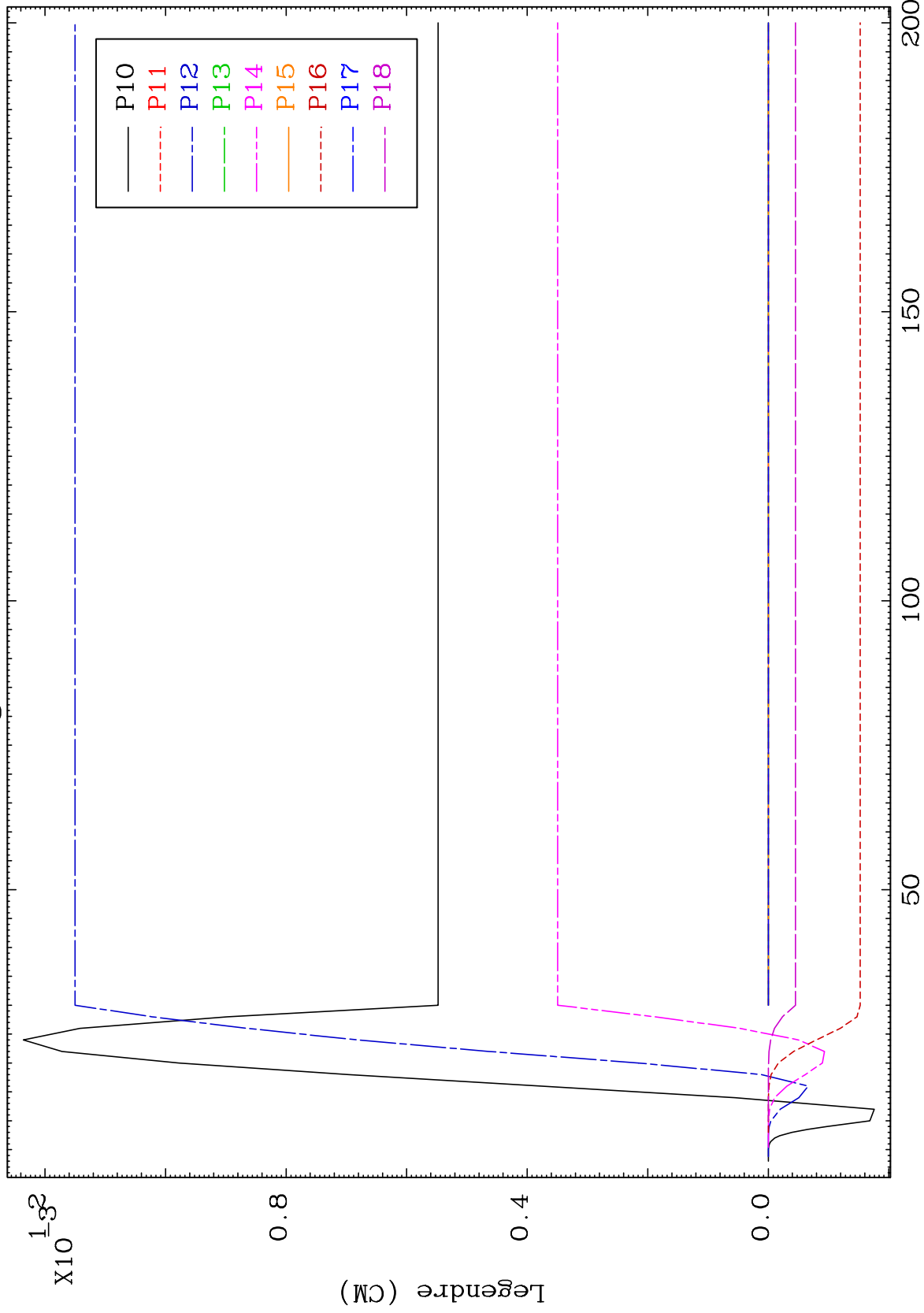
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

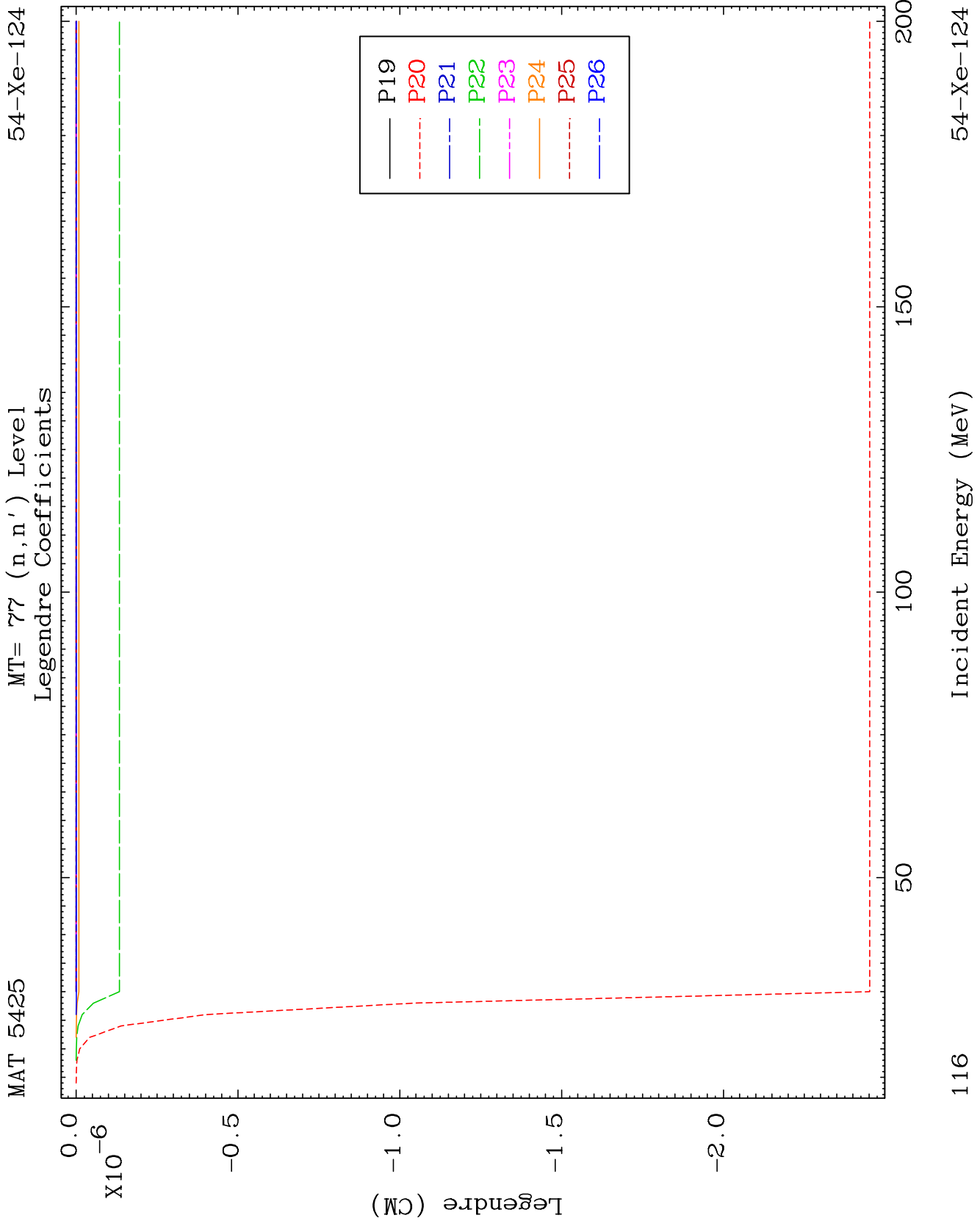
54-Xe-124

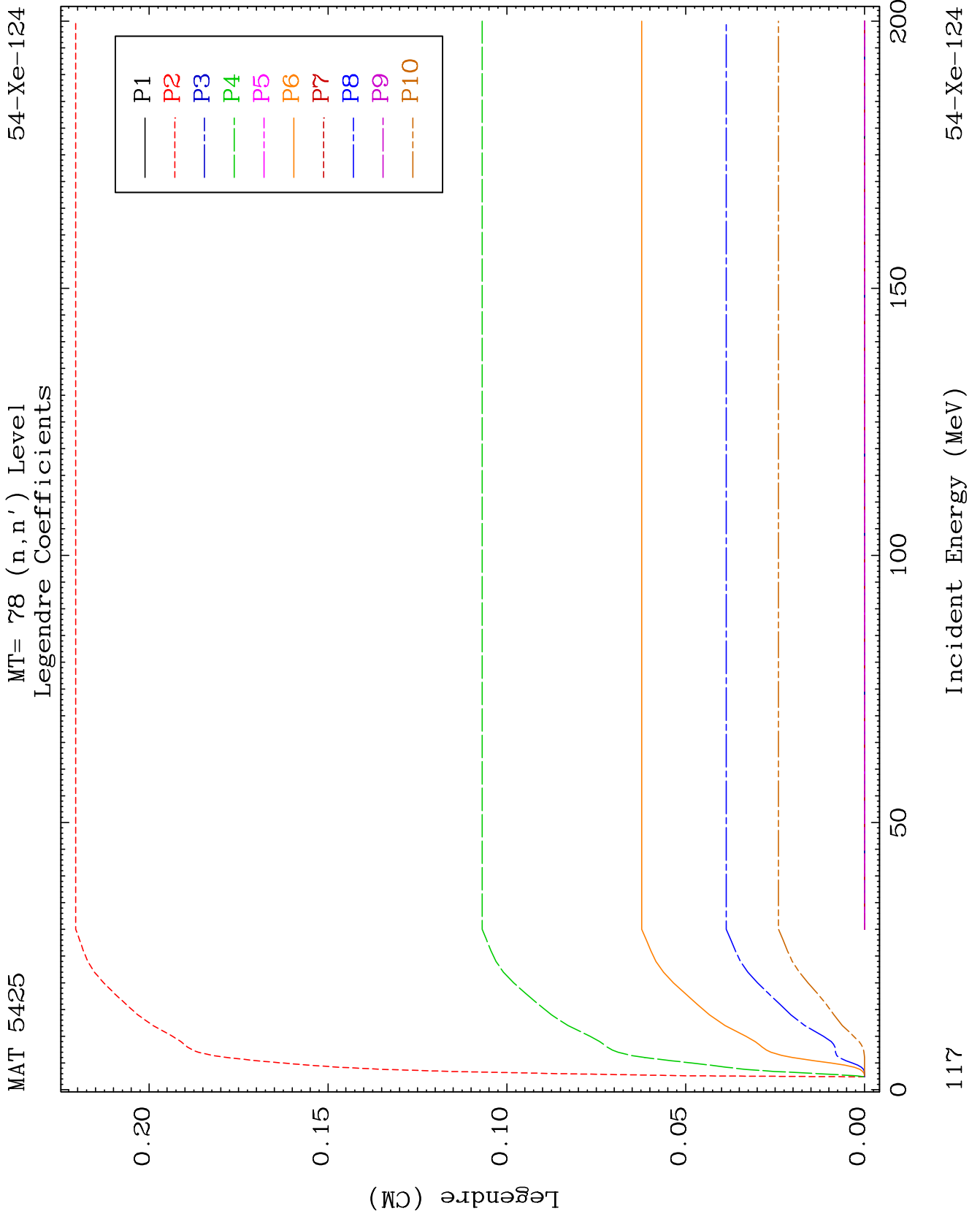


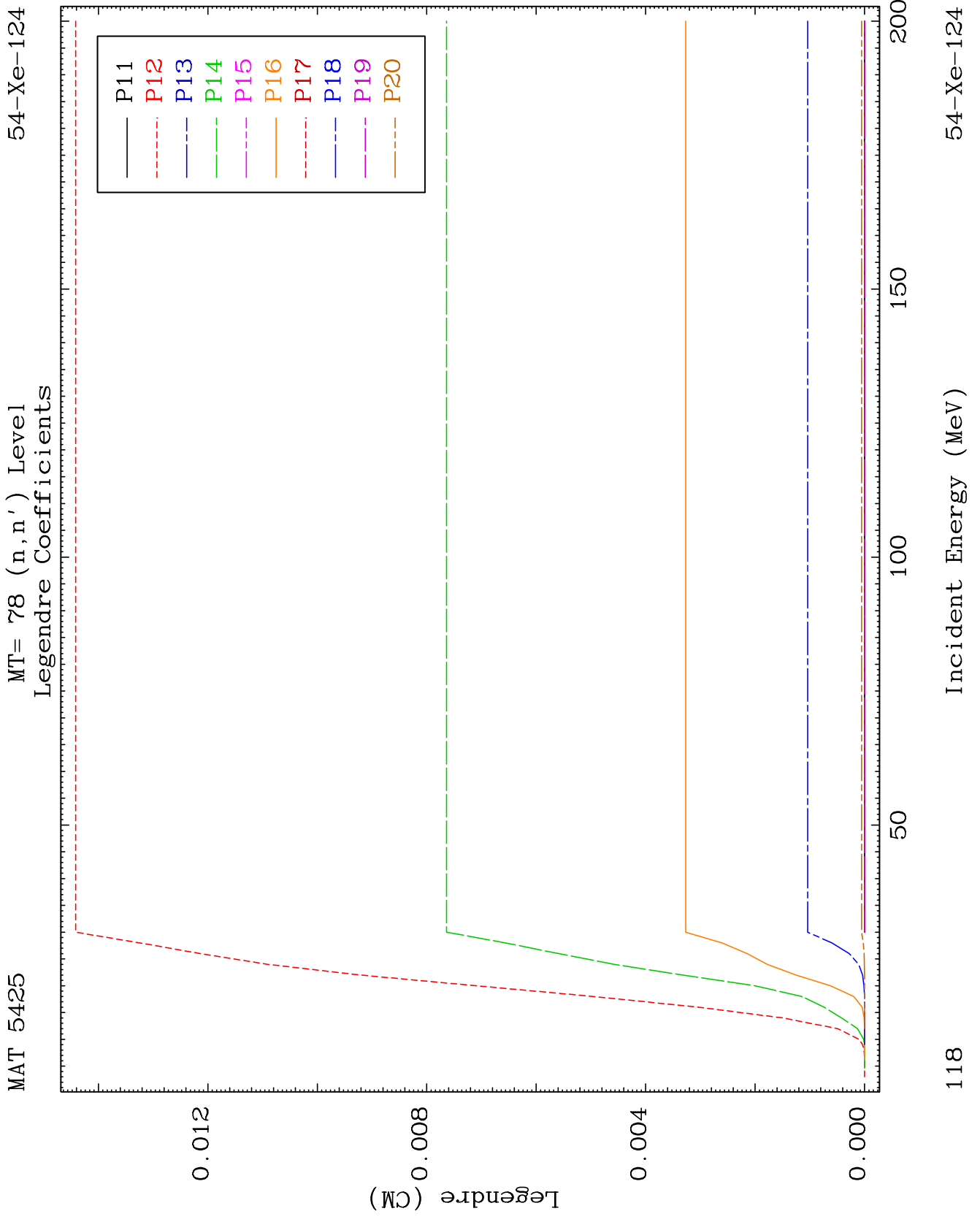
115

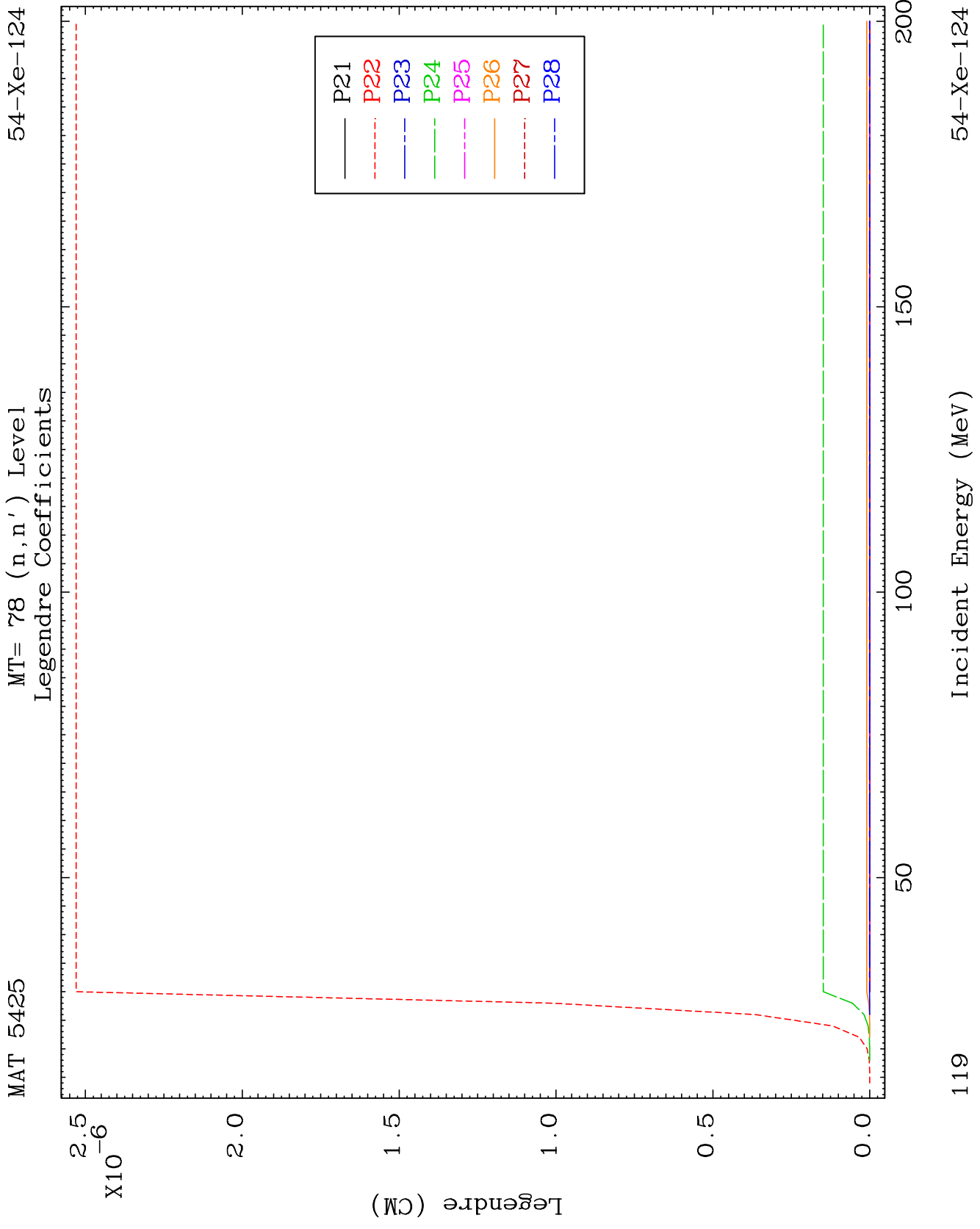
Incident Energy (MeV)

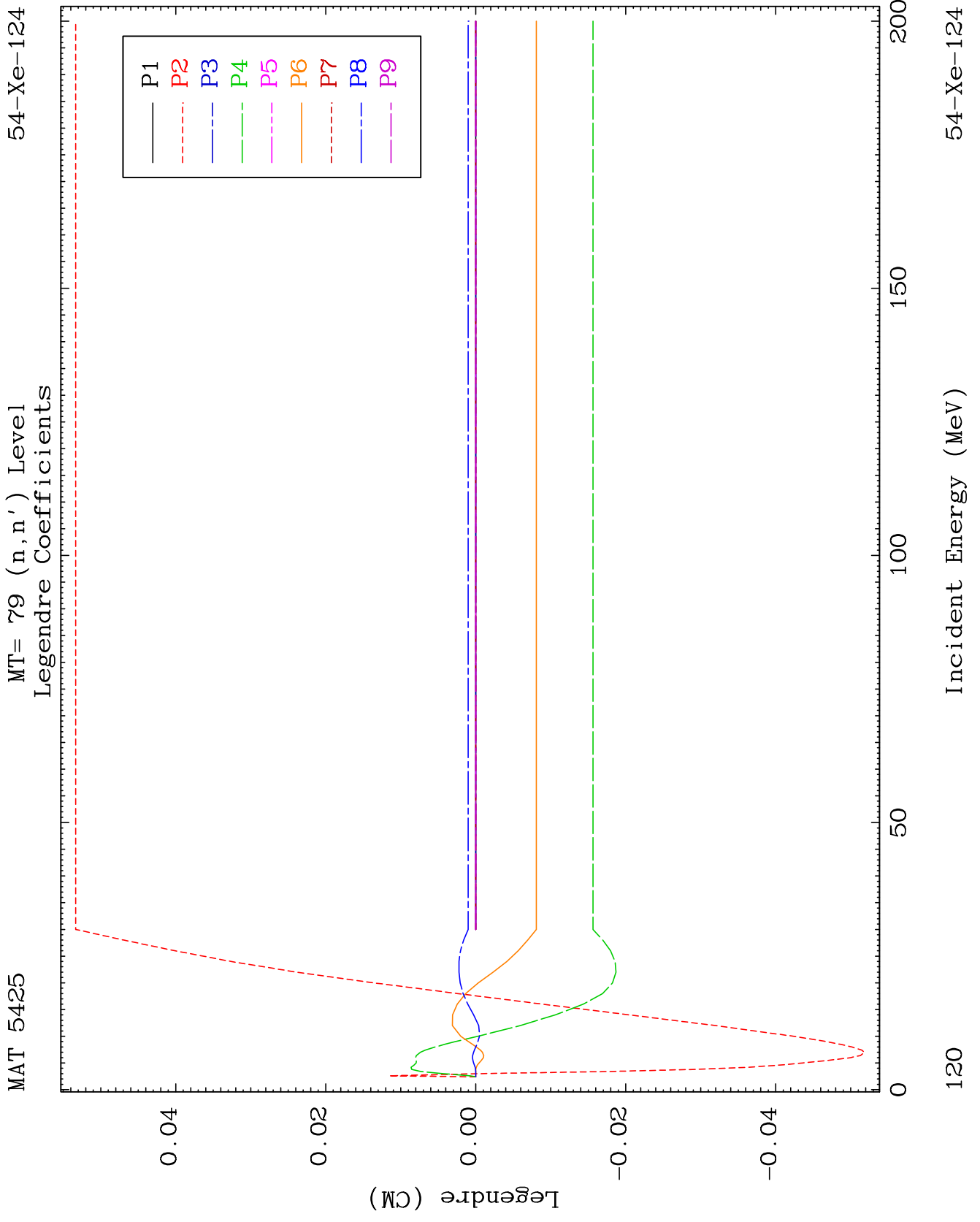
54-Xe-124







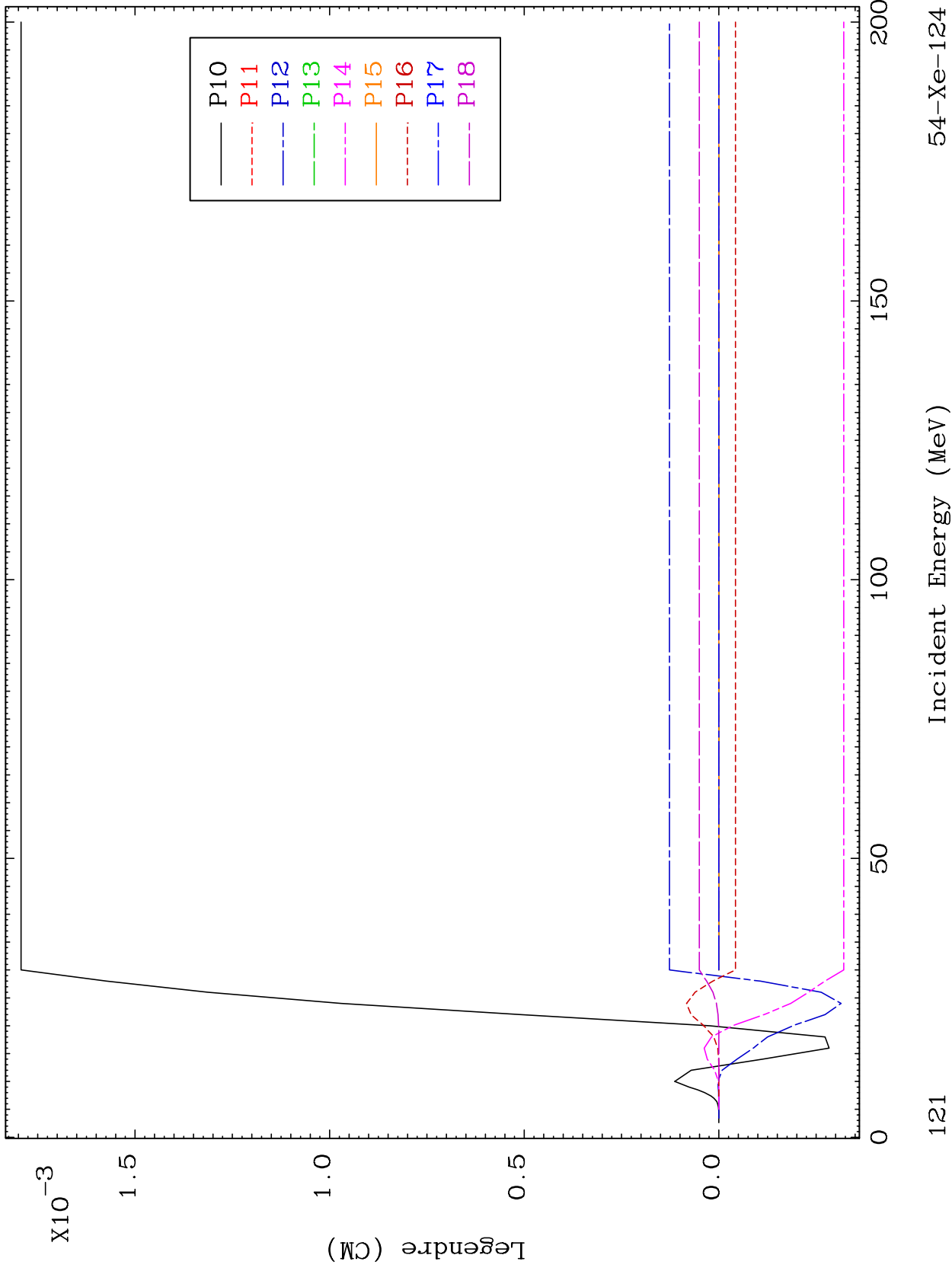




MAT 5425

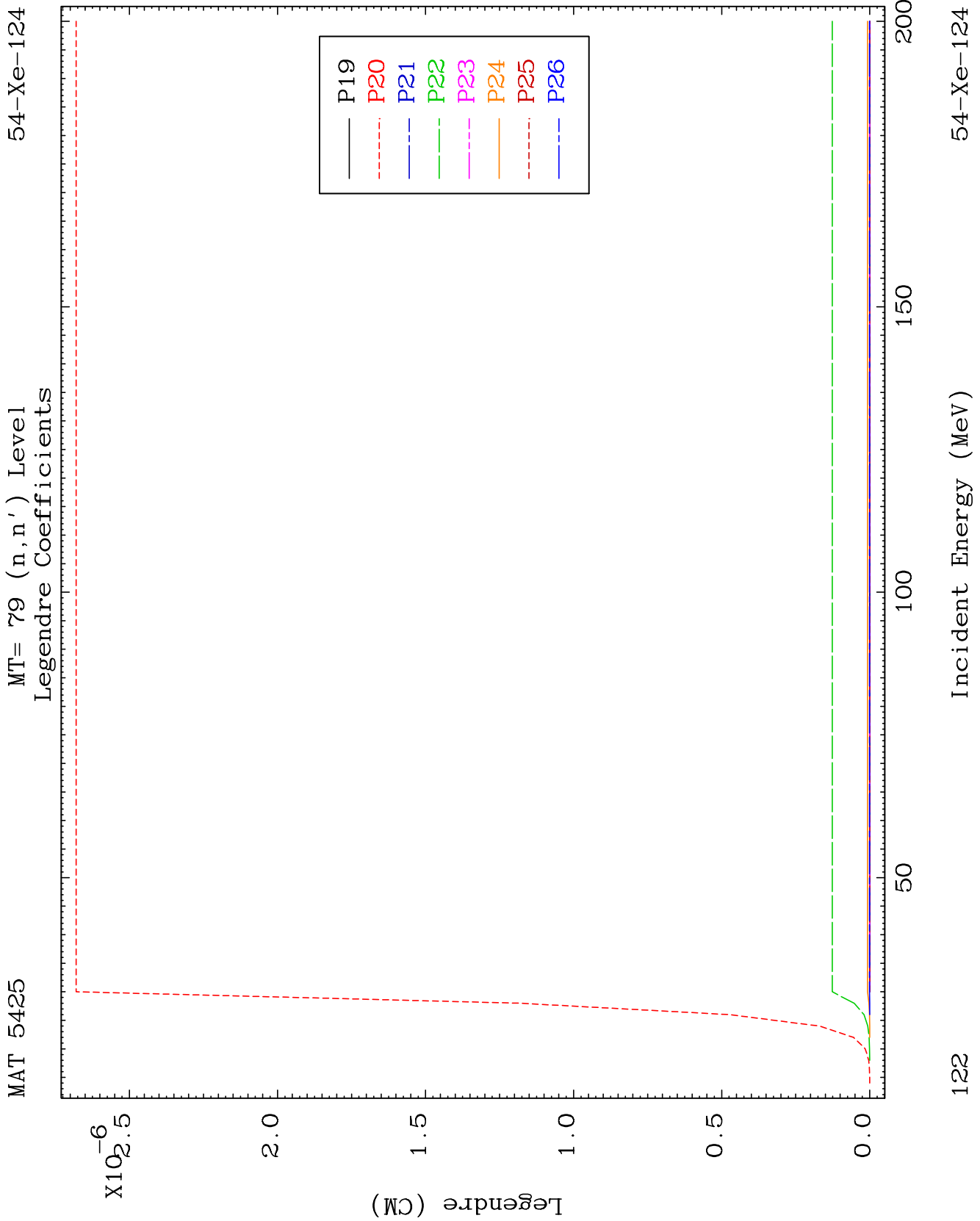
MT= 79 (n,n') Level
Legendre Coefficients

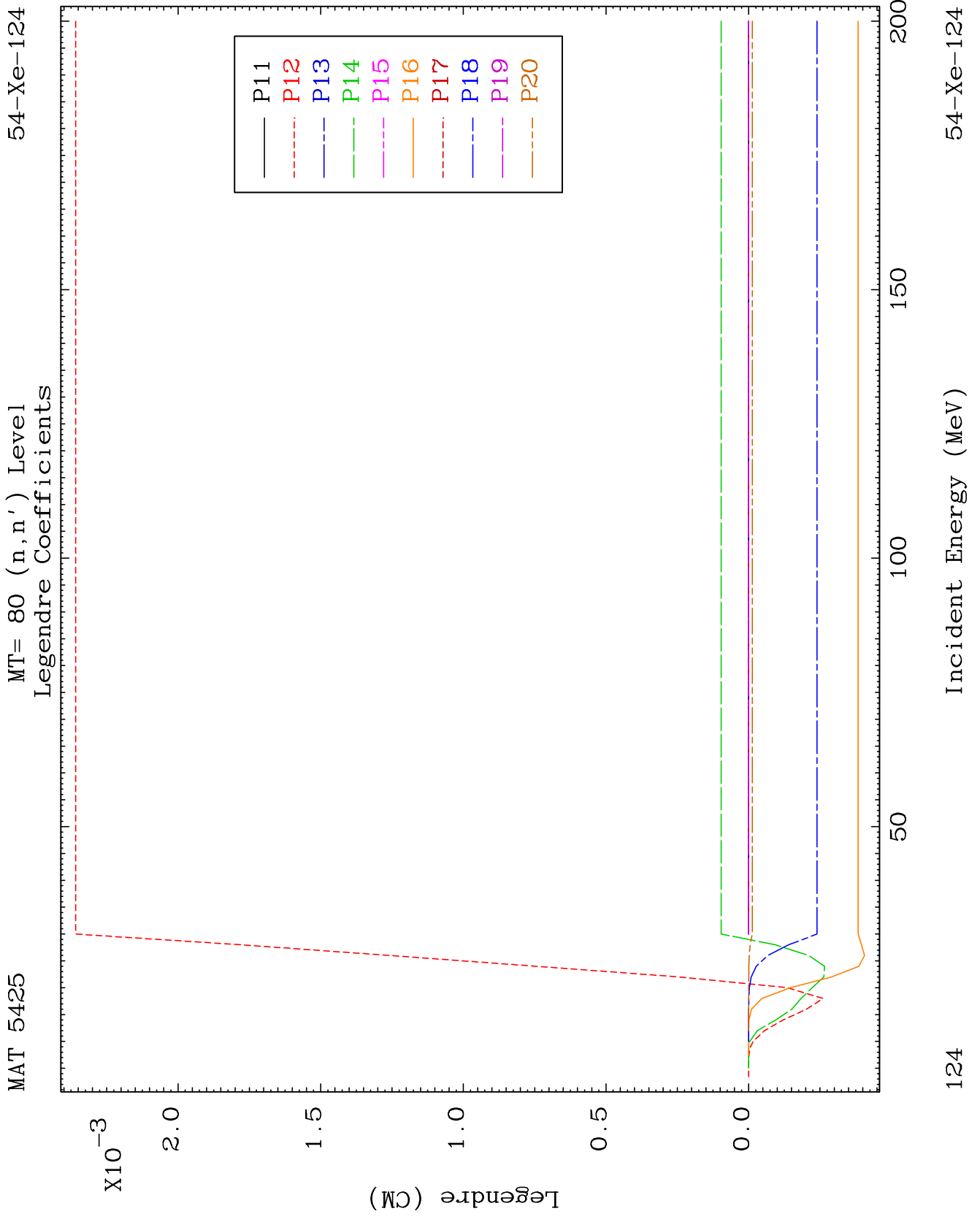
54-Xe-124



121

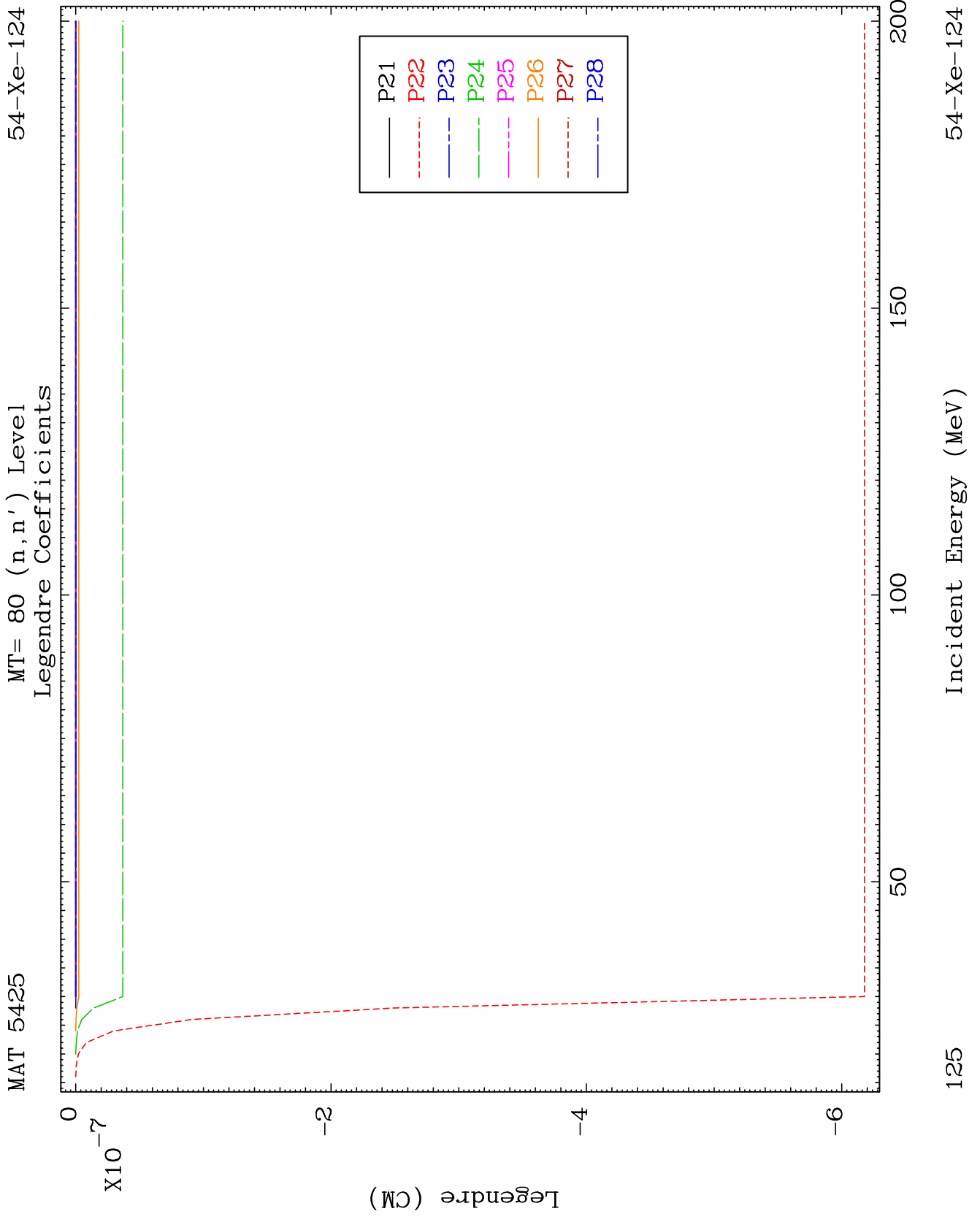
54-Xe-124

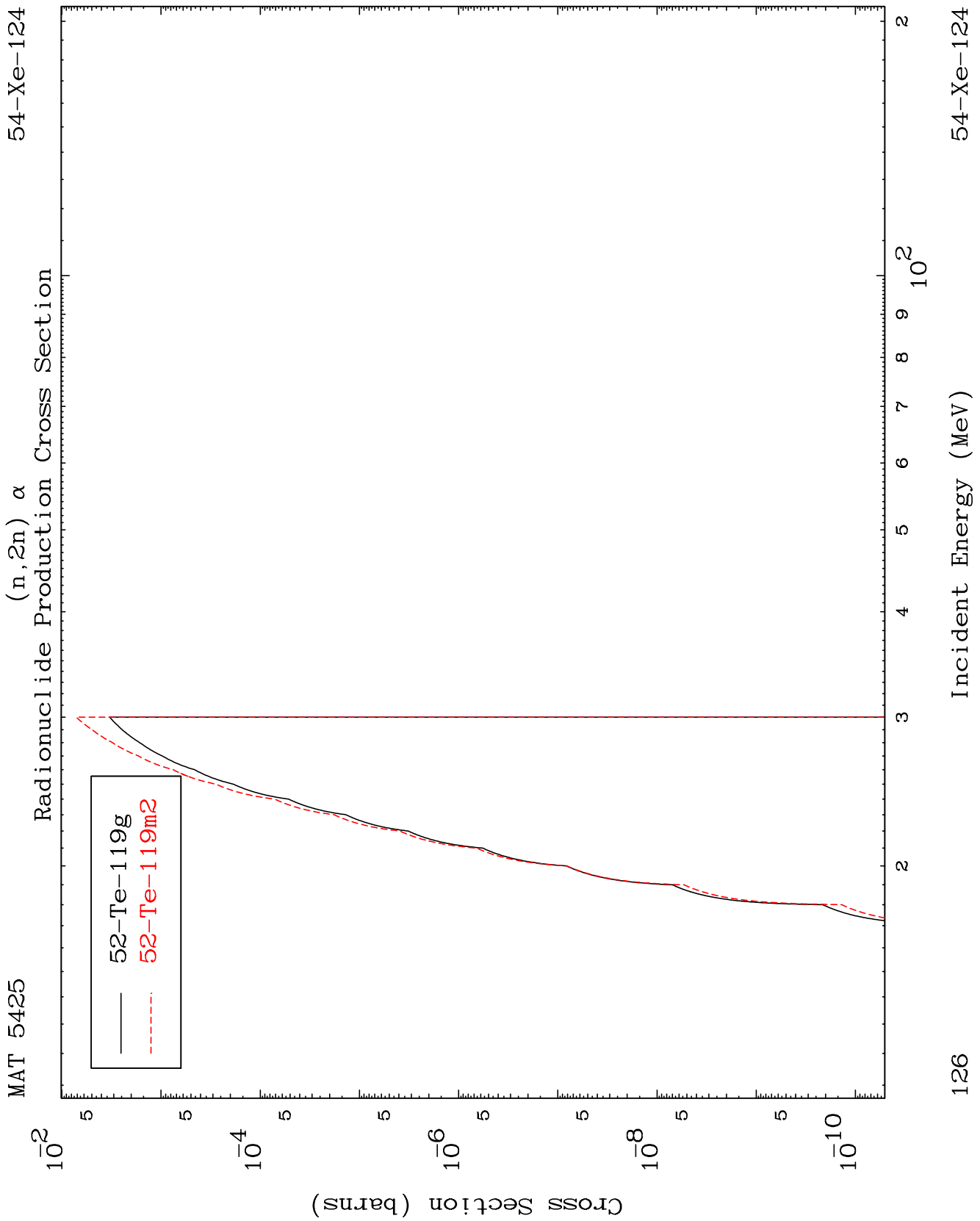




124

54-Xe-124



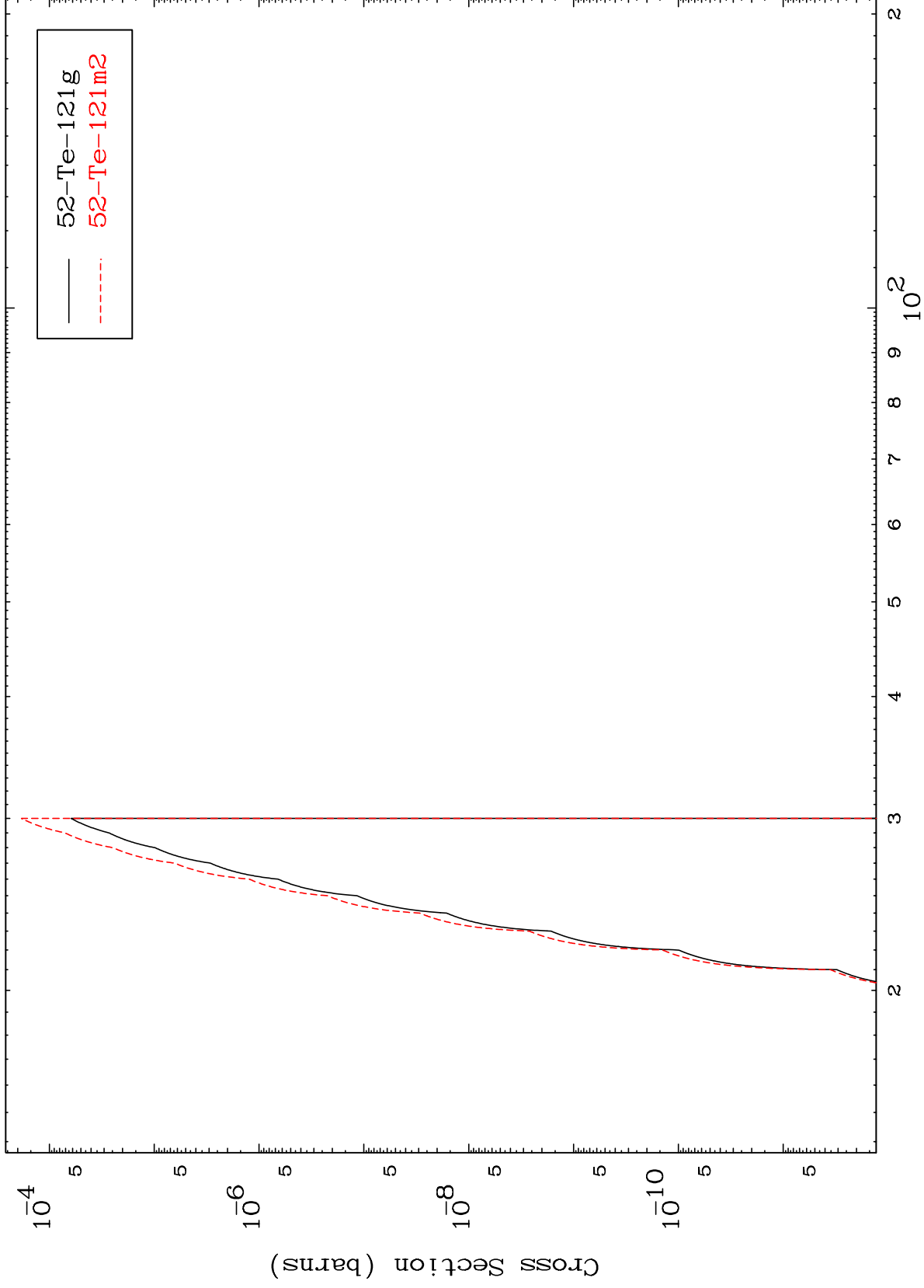


MAT 5425

(n,n') He-3

54-Xe-124

Radionuclide Production Cross Section

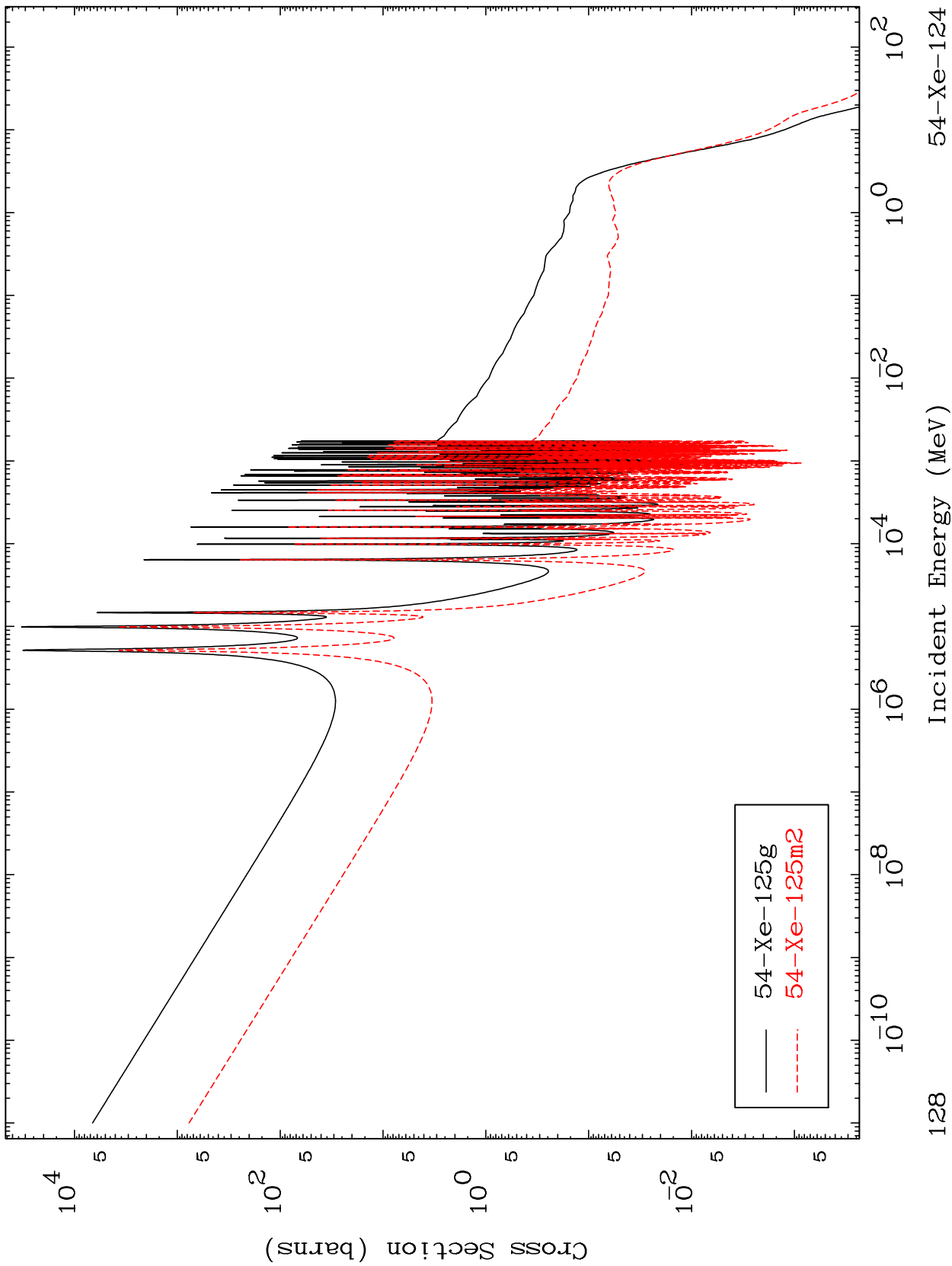


127

Incident Energy (MeV)

54-Xe-124

(n, γ)
Radionuclide Production Cross Section

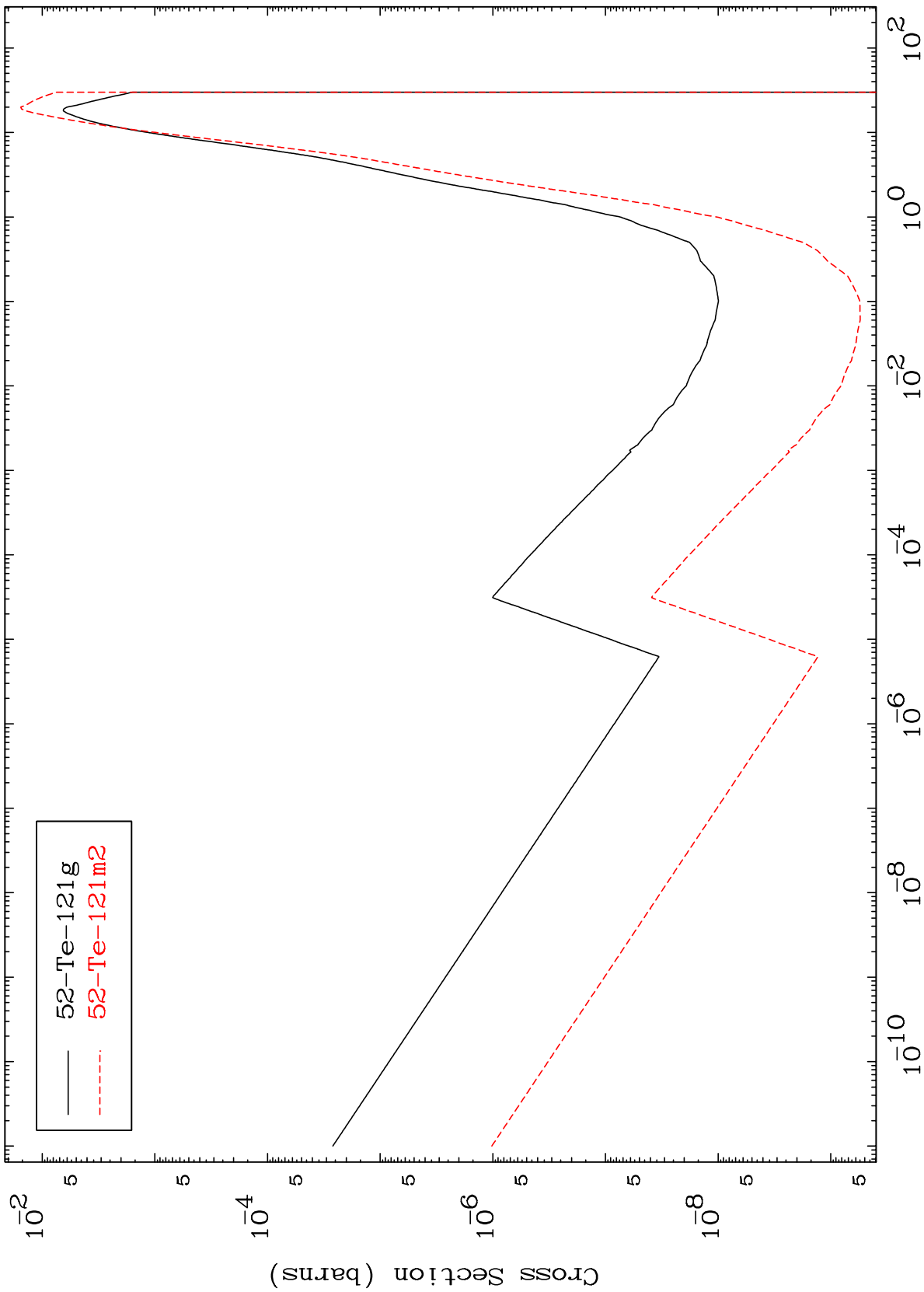


MAT 5425

(n, α)

54-Xe-124

Radionuclide Production Cross Section



129

Incident Energy (MeV)

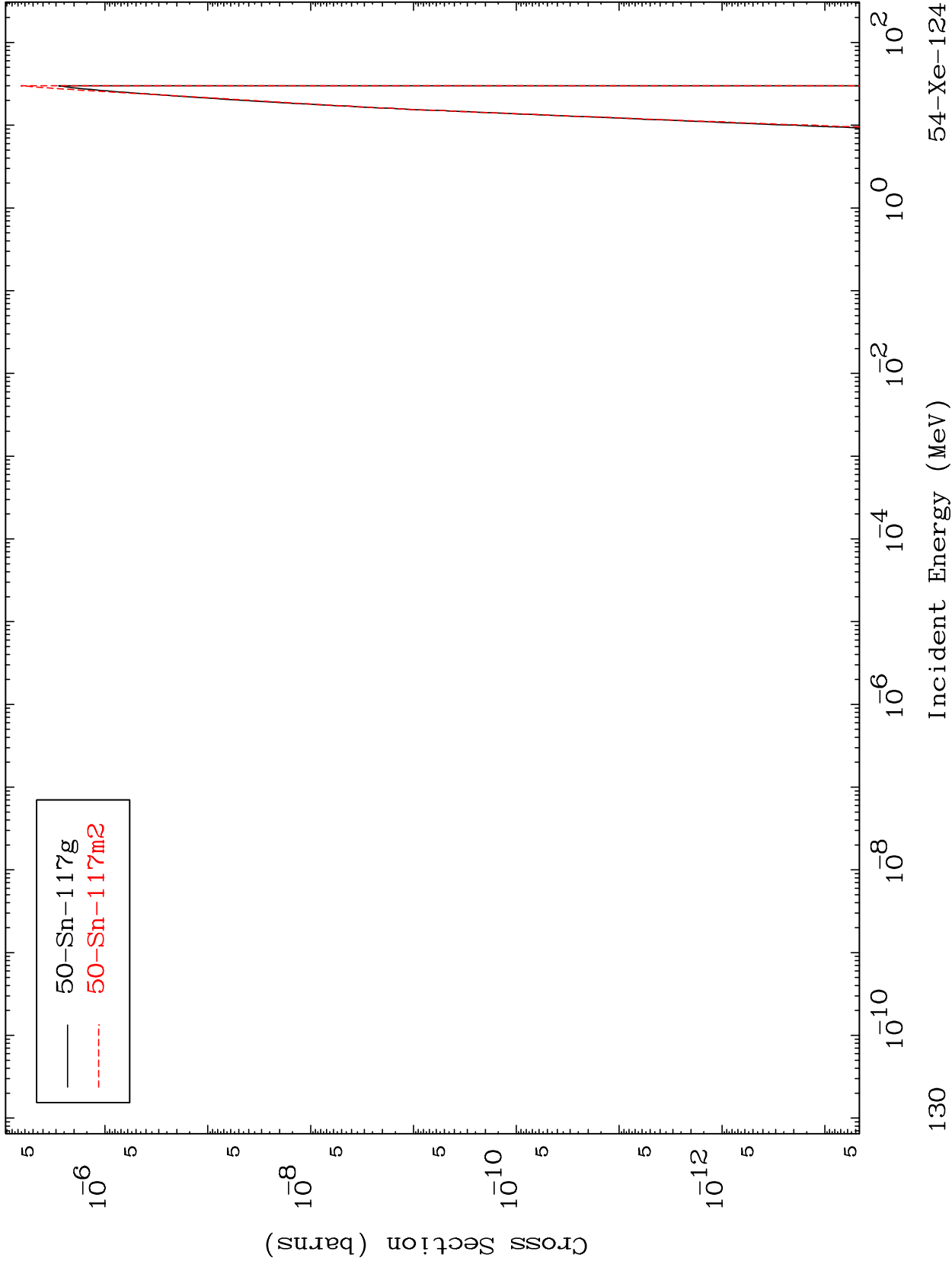
54-Xe-124

MAT 5425

(n,2α)

54-Xe-124

Radionuclide Production Cross Section

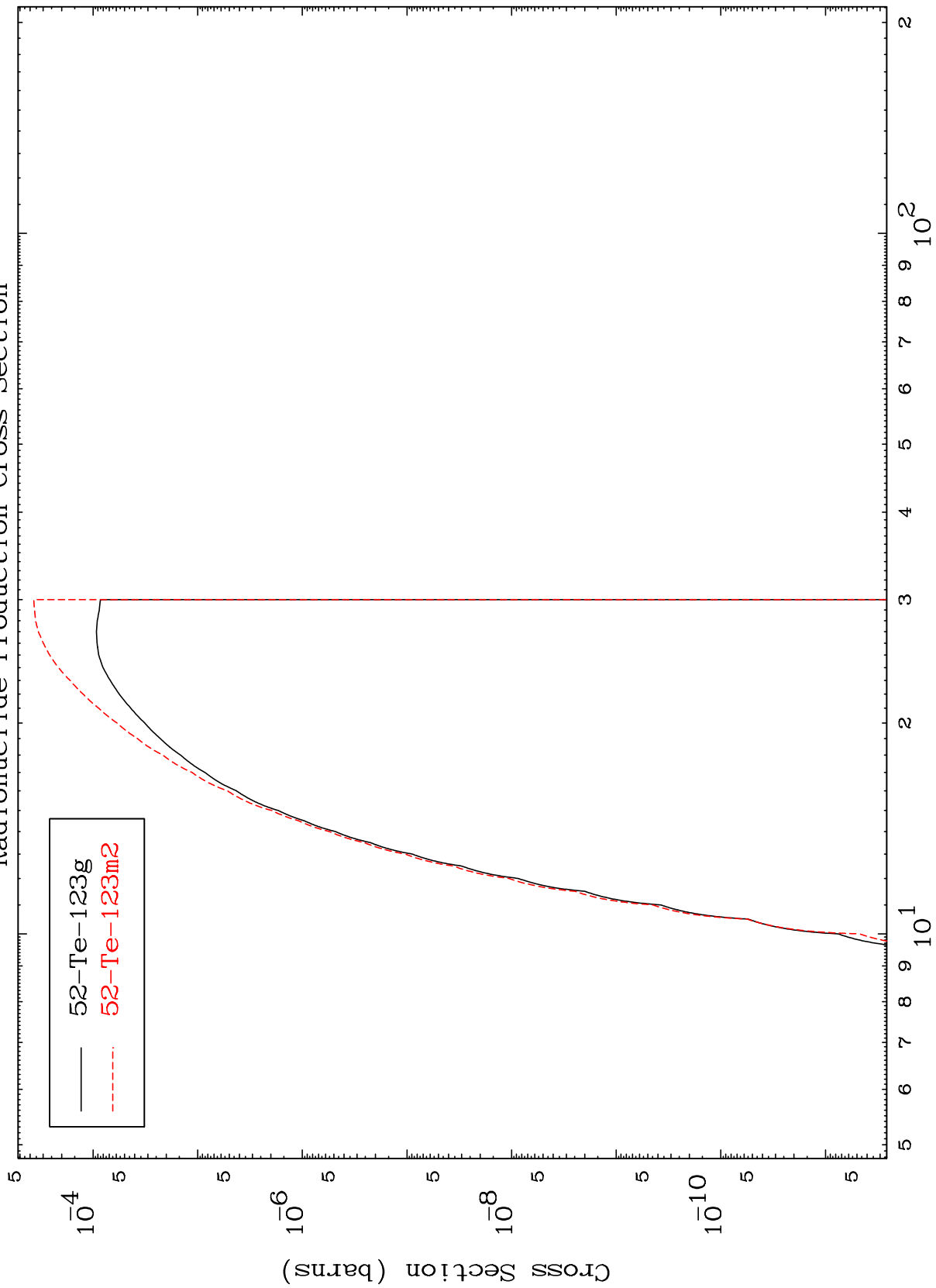


50-Sn-117g
50-Sn-117m2

MAT 5425

54-Xe-124

(n,2p)
Radionuclide Production Cross Section



131

Incident Energy (MeV)

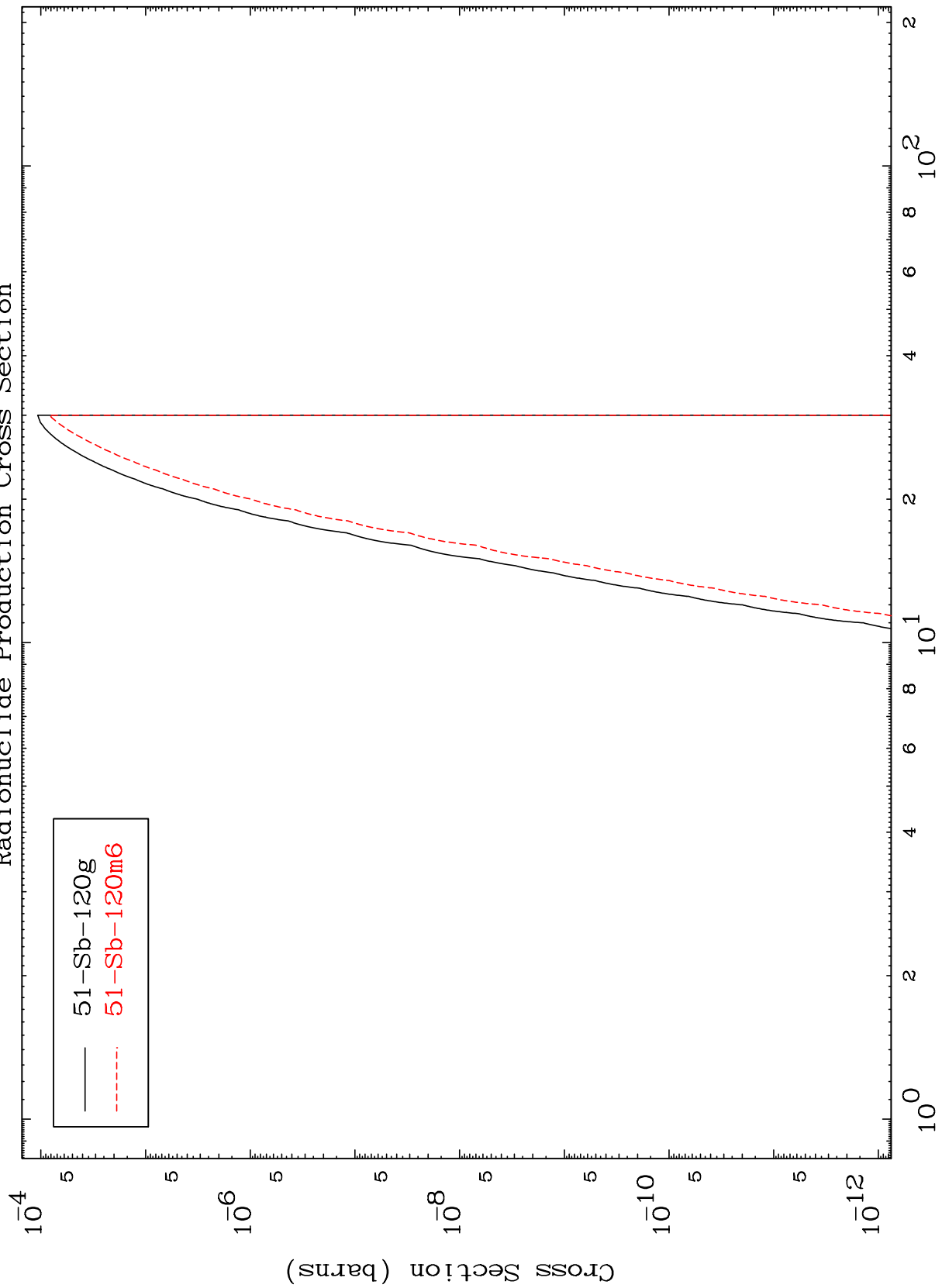
54-Xe-124

MAT 5425

(n,p) α

54-Xe-124

Radionuclide Production Cross Section



— 51-Sb-120g
- - - 51-Sb-120m6

Incident Energy (MeV)

54-Xe-124

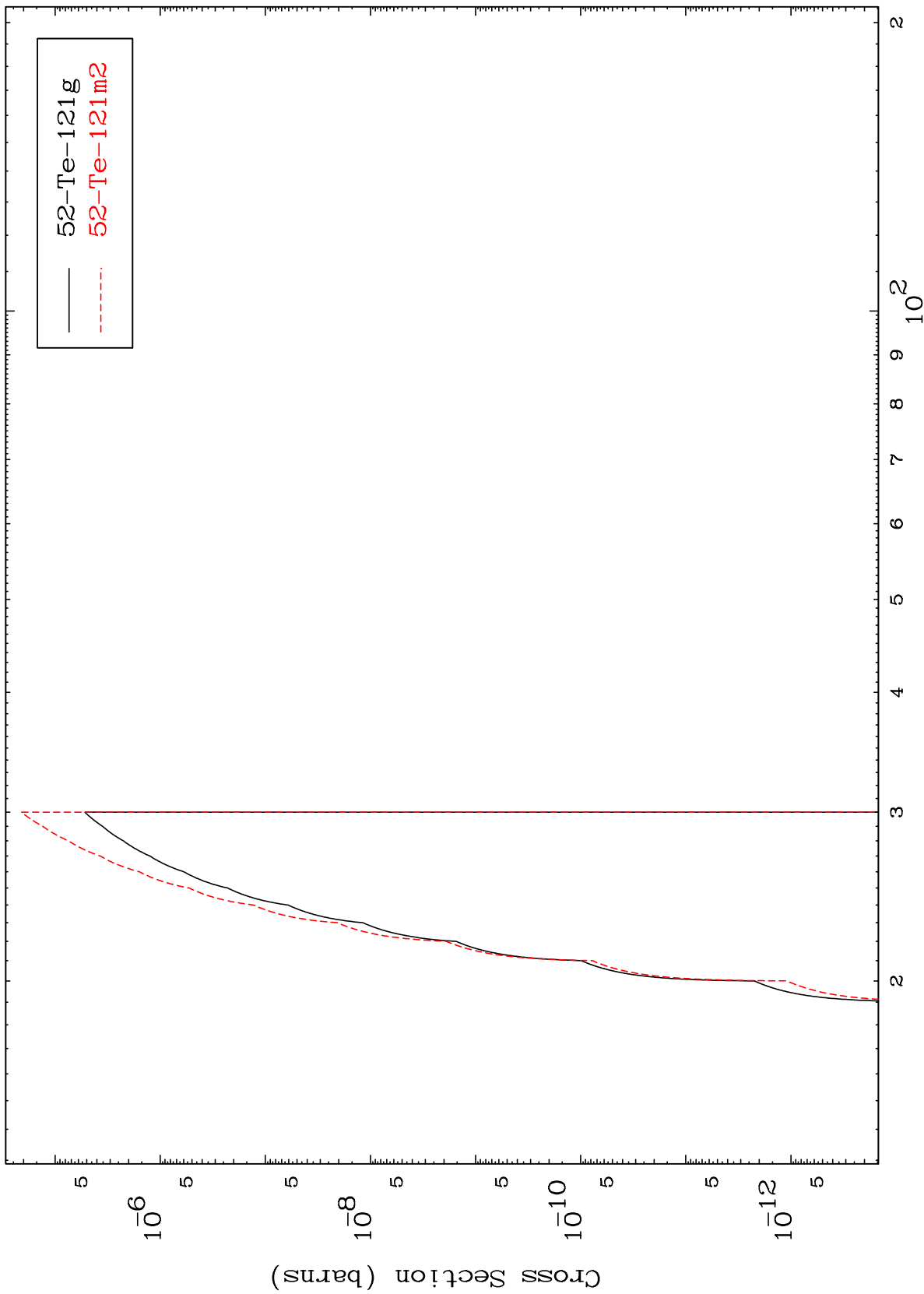
132

MAT 5425

(n,p) t

54-Xe-124

Radionuclide Production Cross Section



133

Incident Energy (MeV)

54-Xe-124