

Program EVALPLOT  
(Version 2021-1)

by

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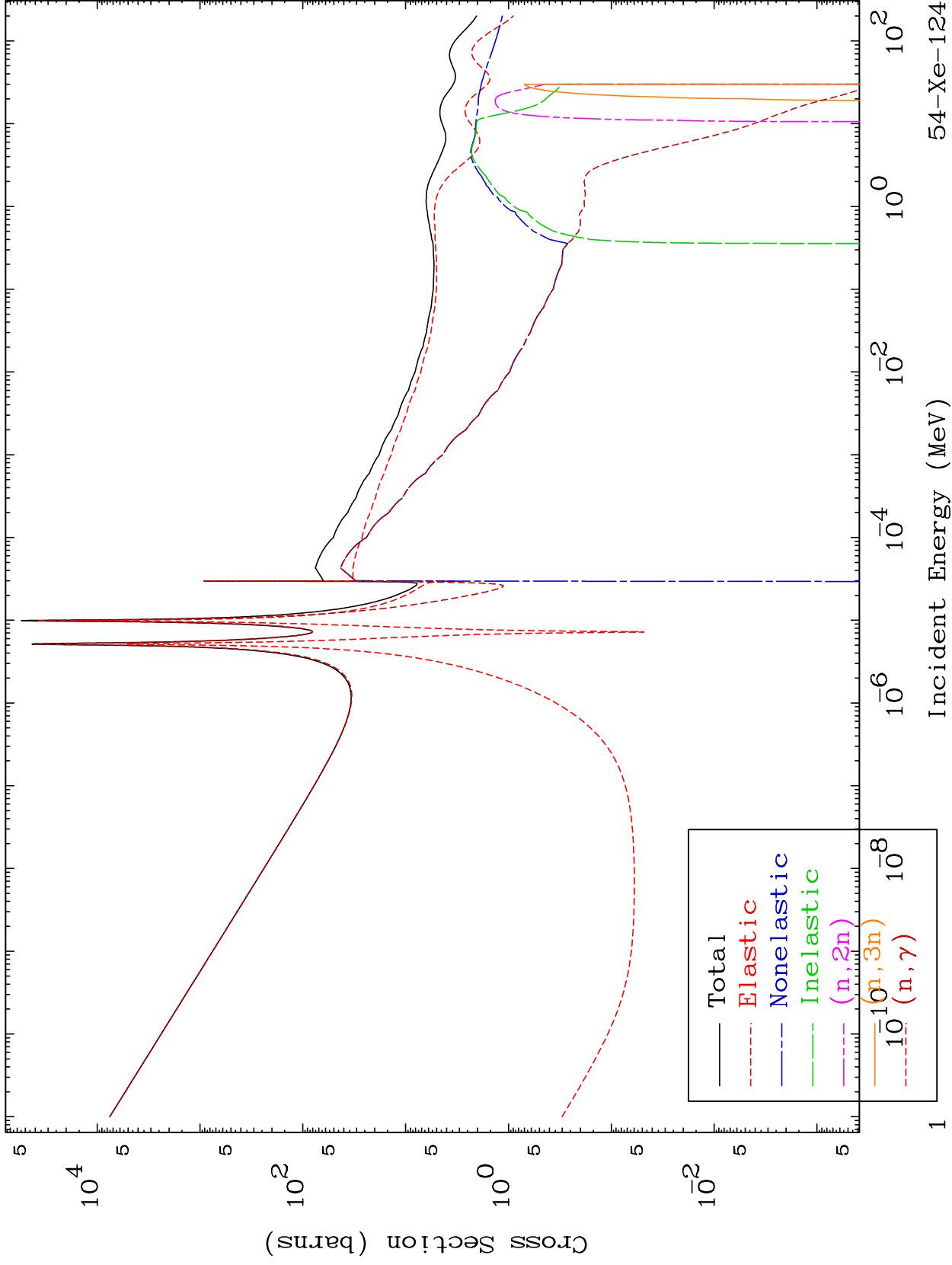
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5425

Neutron Major  
293 Kelvin Cross Sections

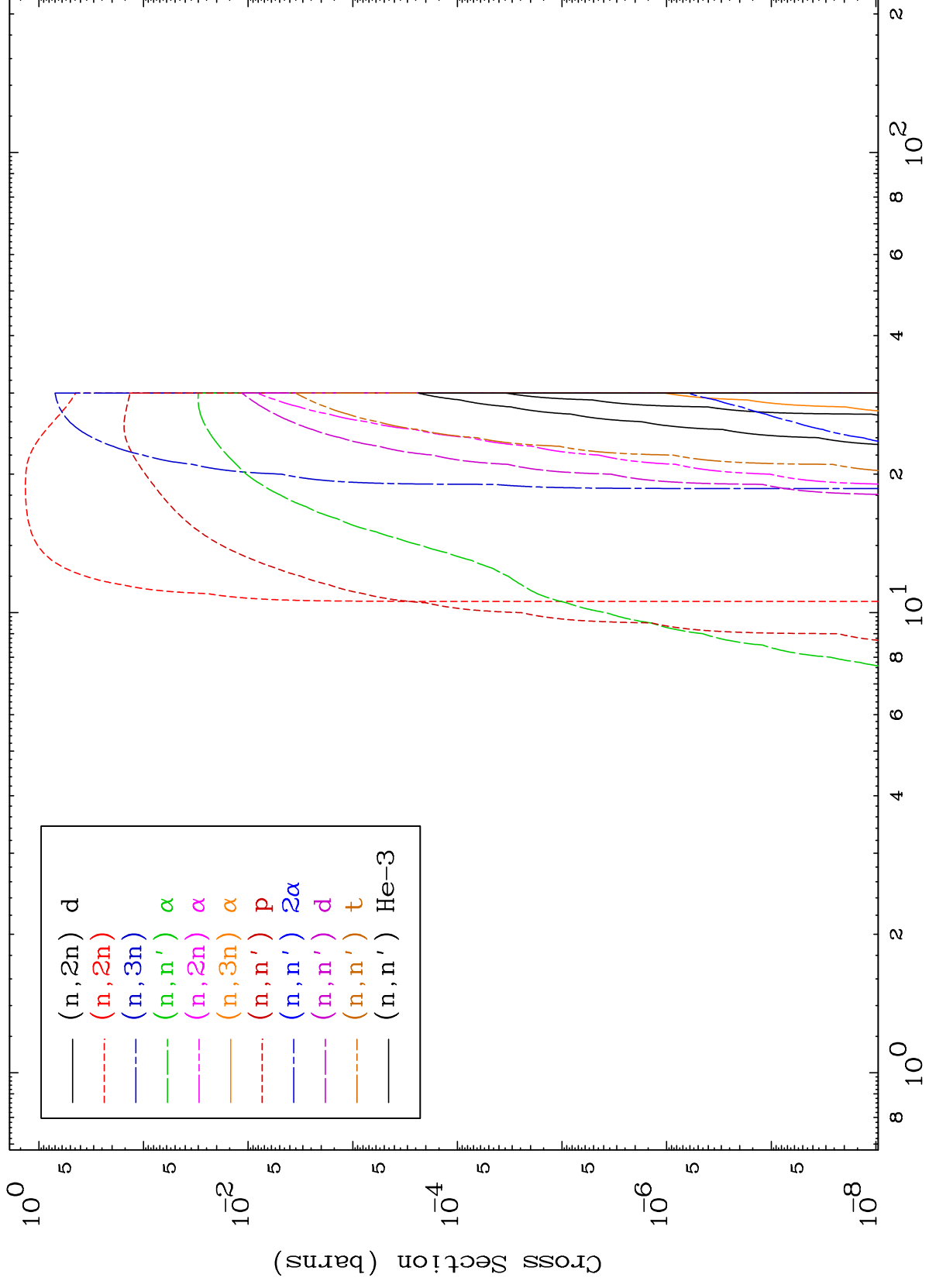
54-Xe-124



MAT 5425

Neutron Absorption  
293 Kelvin Cross Sections

54-Xe-124



54-Xe-124

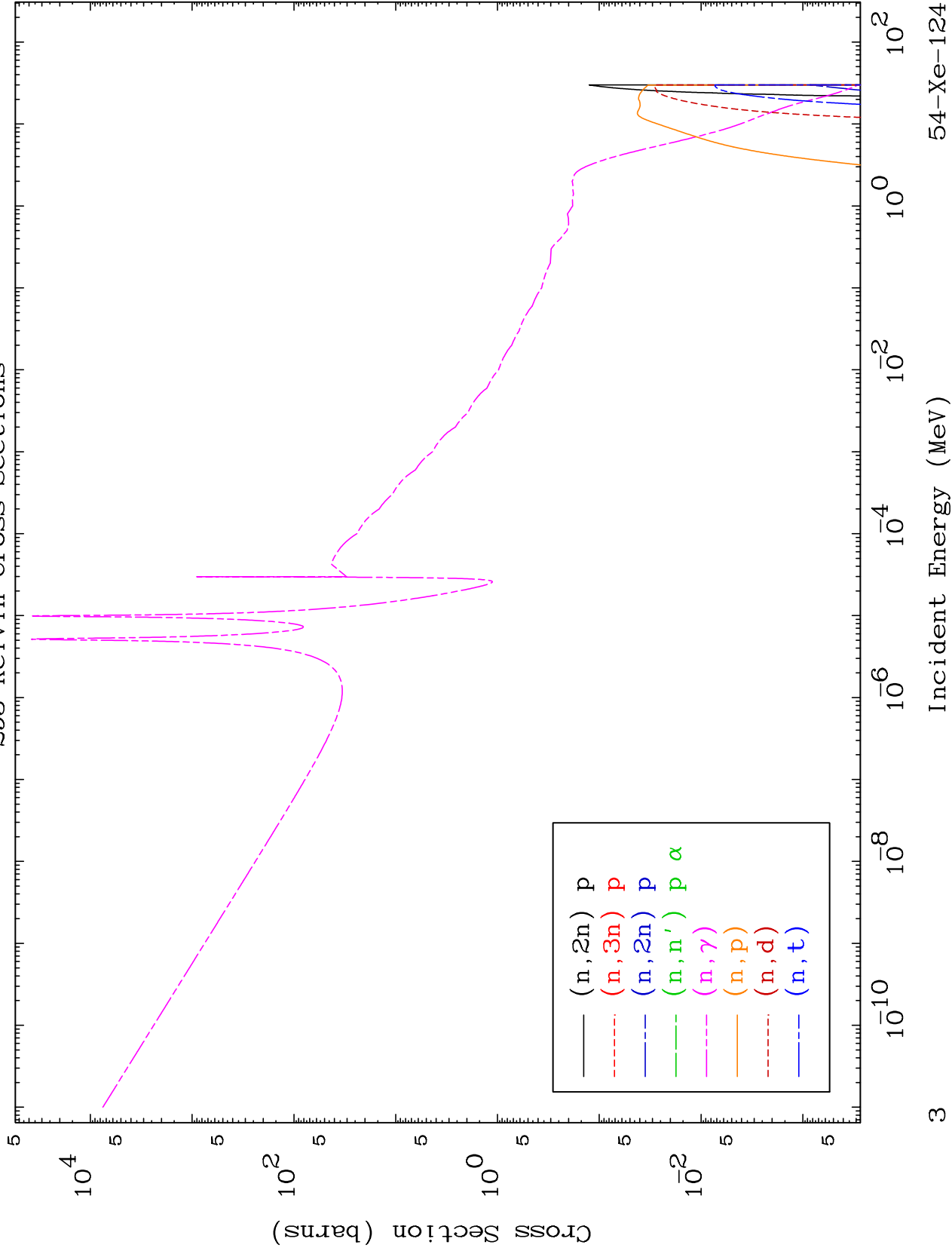
Incident Energy (MeV)

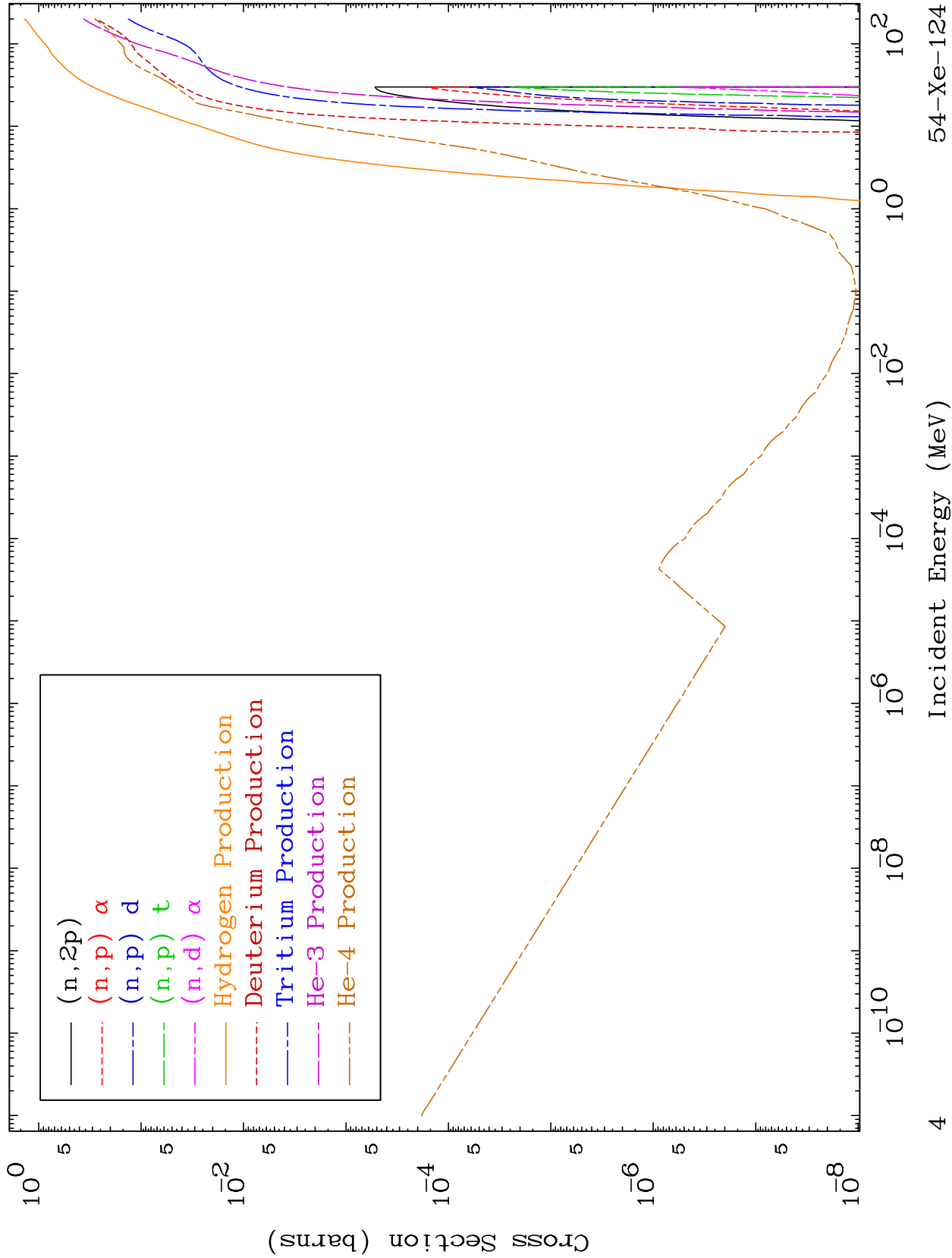
2

MAT 5425

Neutron Absorption  
293 Kelvin Cross Sections

54-Xe-124

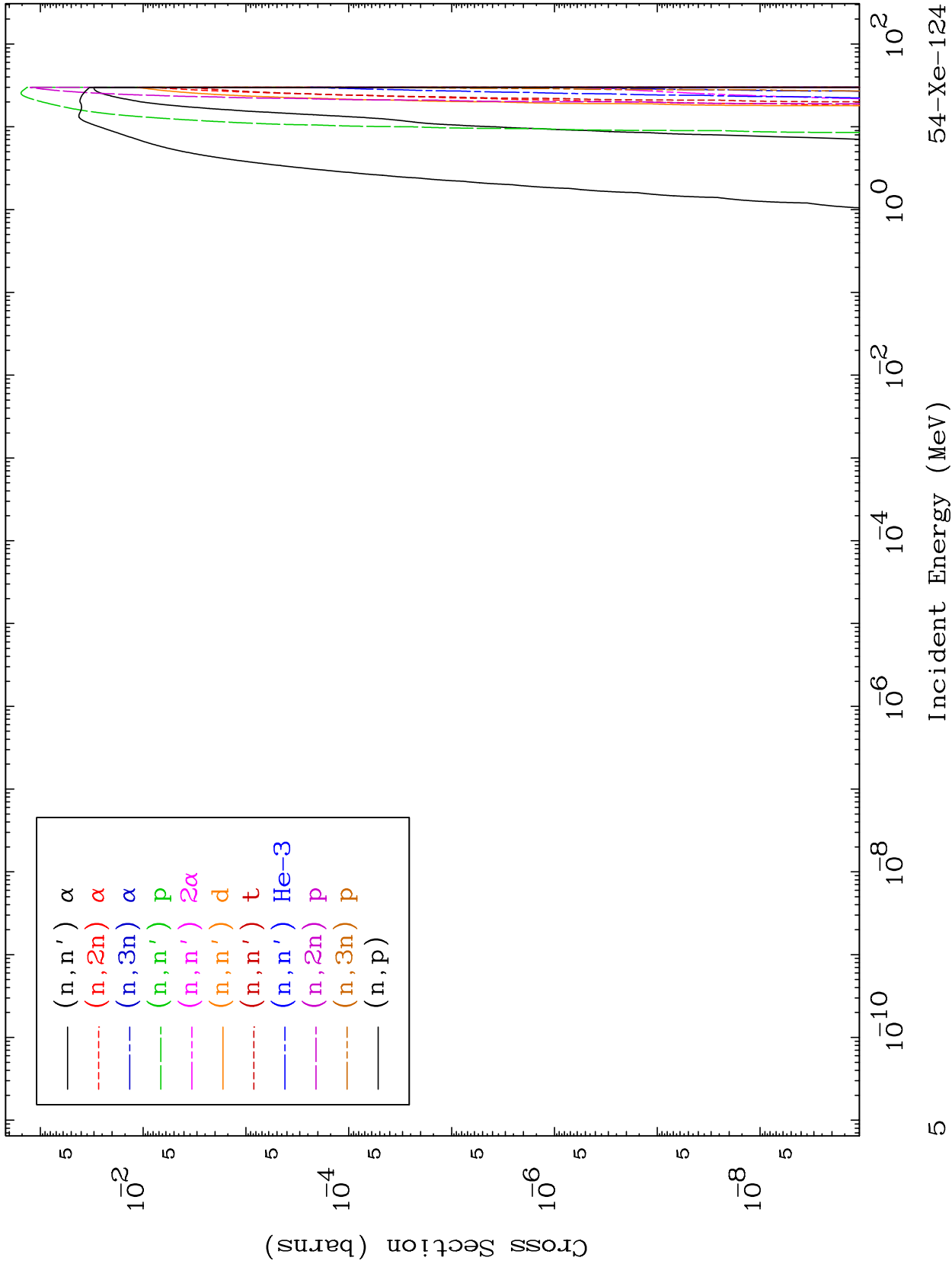




MAT 5425

Charged Particle  
293 Kelvin Cross Sections

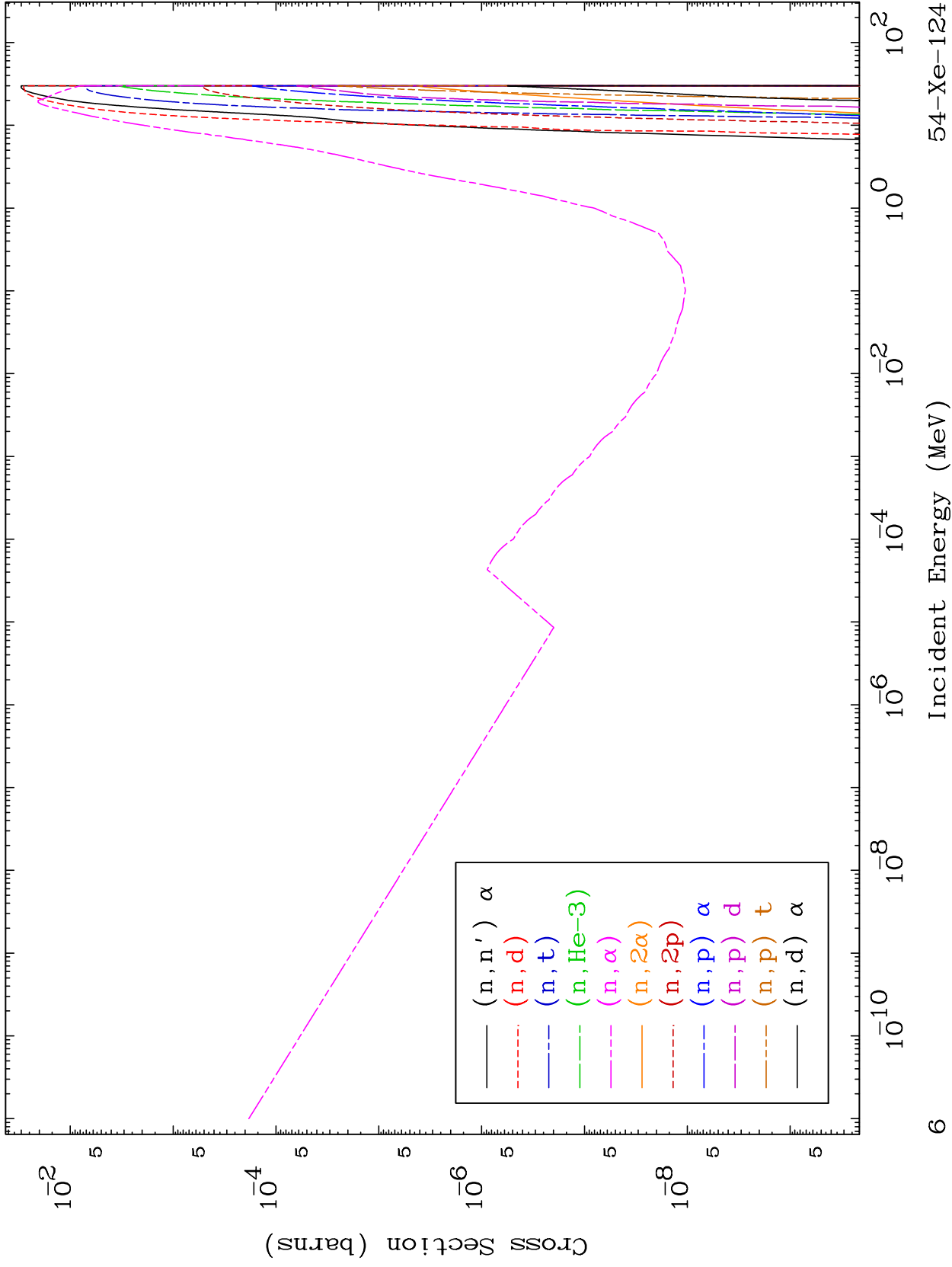
54-Xe-124



MAT 5425

Charged Particle  
293 Kelvin Cross Sections

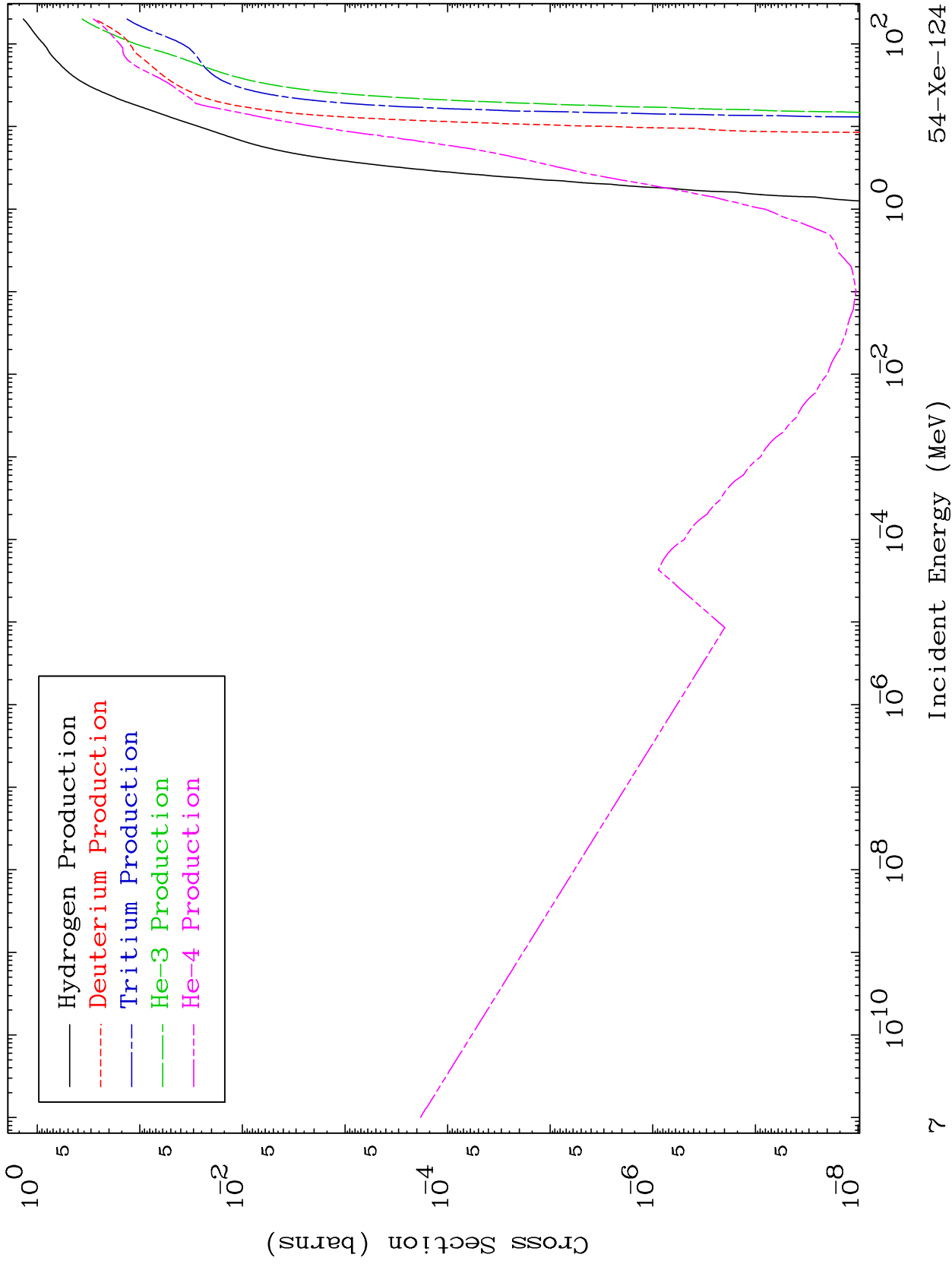
54-Xe-124



MAT 5425

Particle Production  
293 Kelvin Cross Sections

54-Xe-124

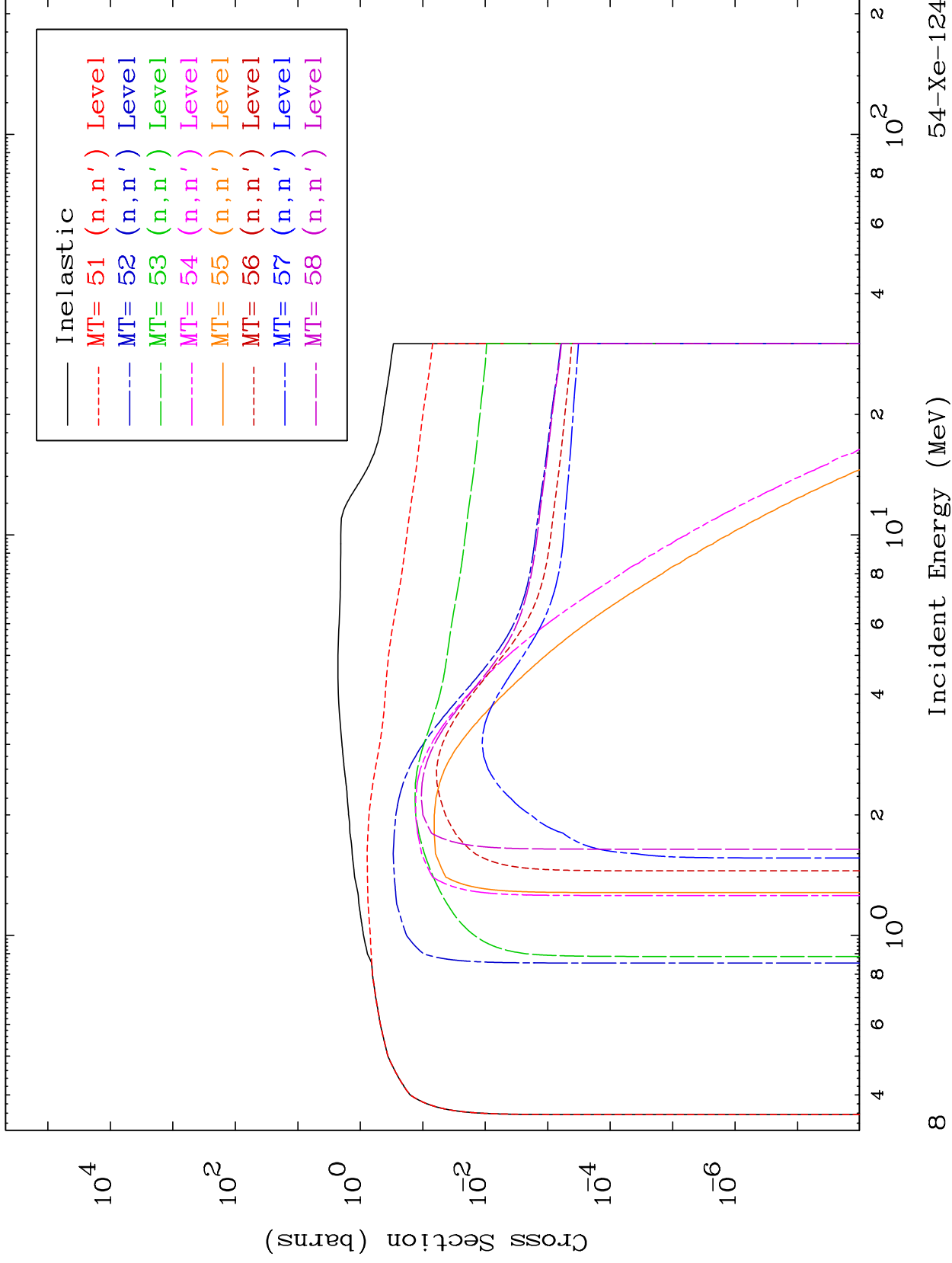




MAT 5425

(n,n') Levels  
293 Kelvin Cross Sections

54-Xe-124

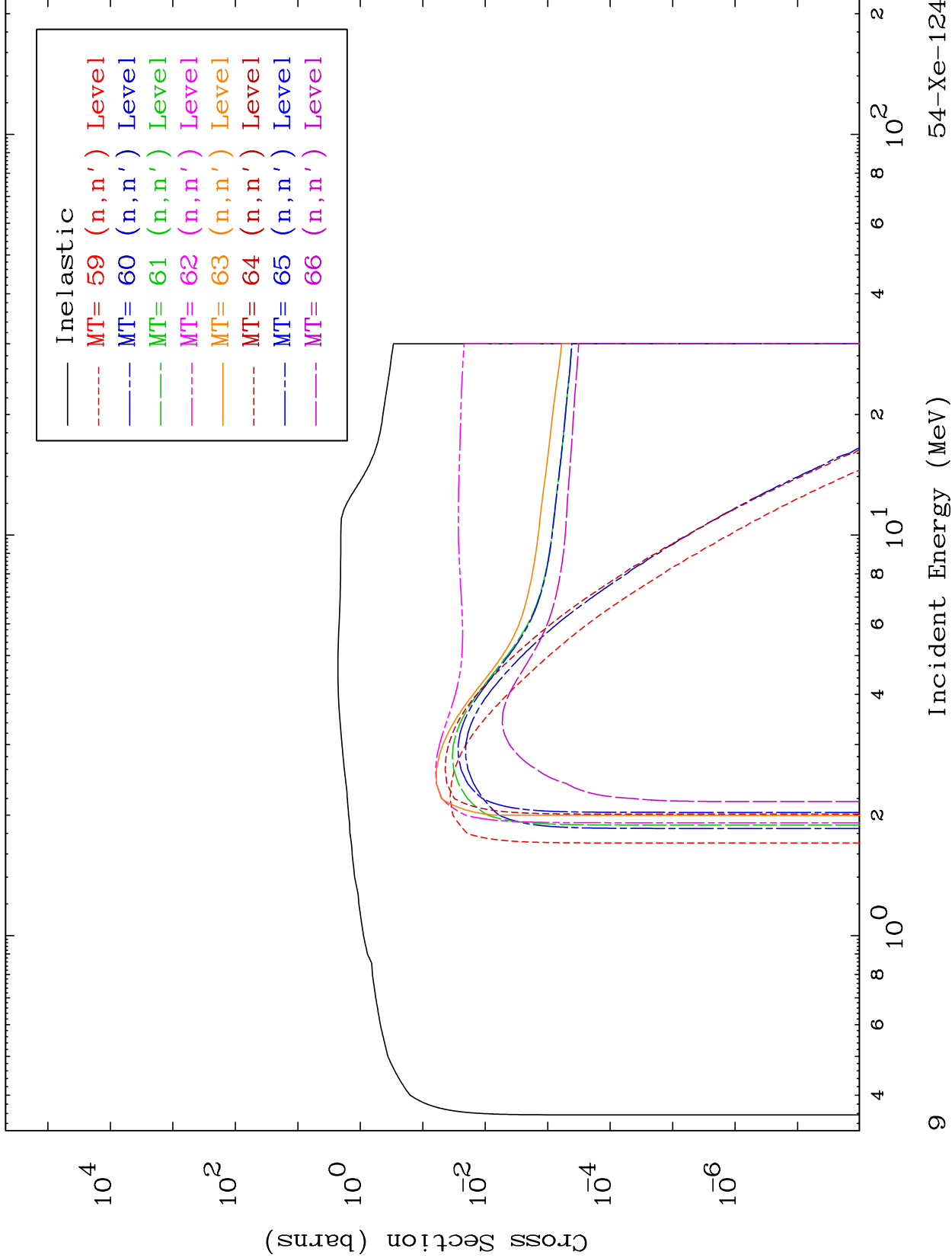


8

MAT 5425

(n,n') Levels  
293 Kelvin Cross Sections

54-Xe-124

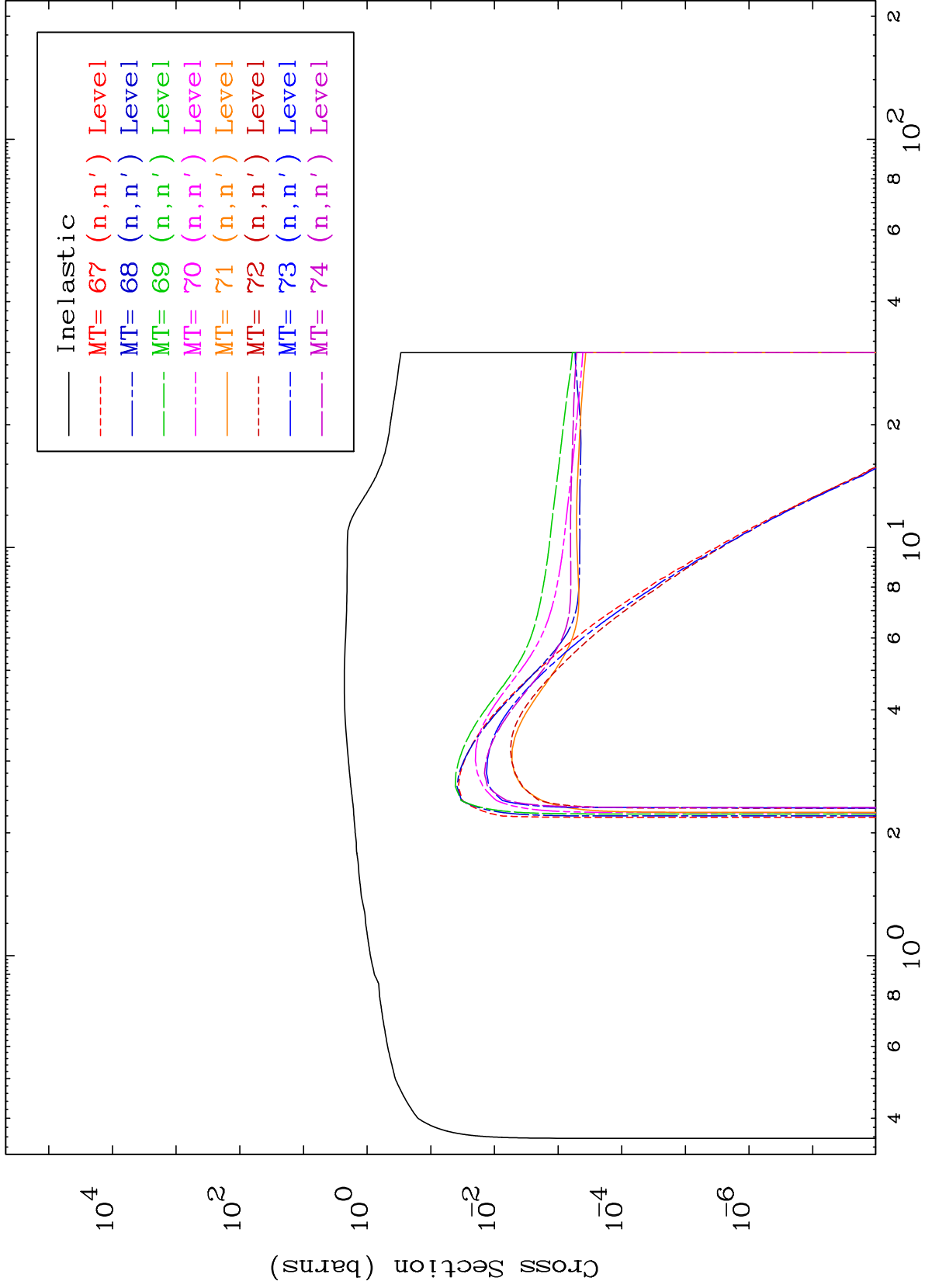


MAT 5425

(n,n') Levels

293 Kelvin Cross Sections

54-Xe-124



10

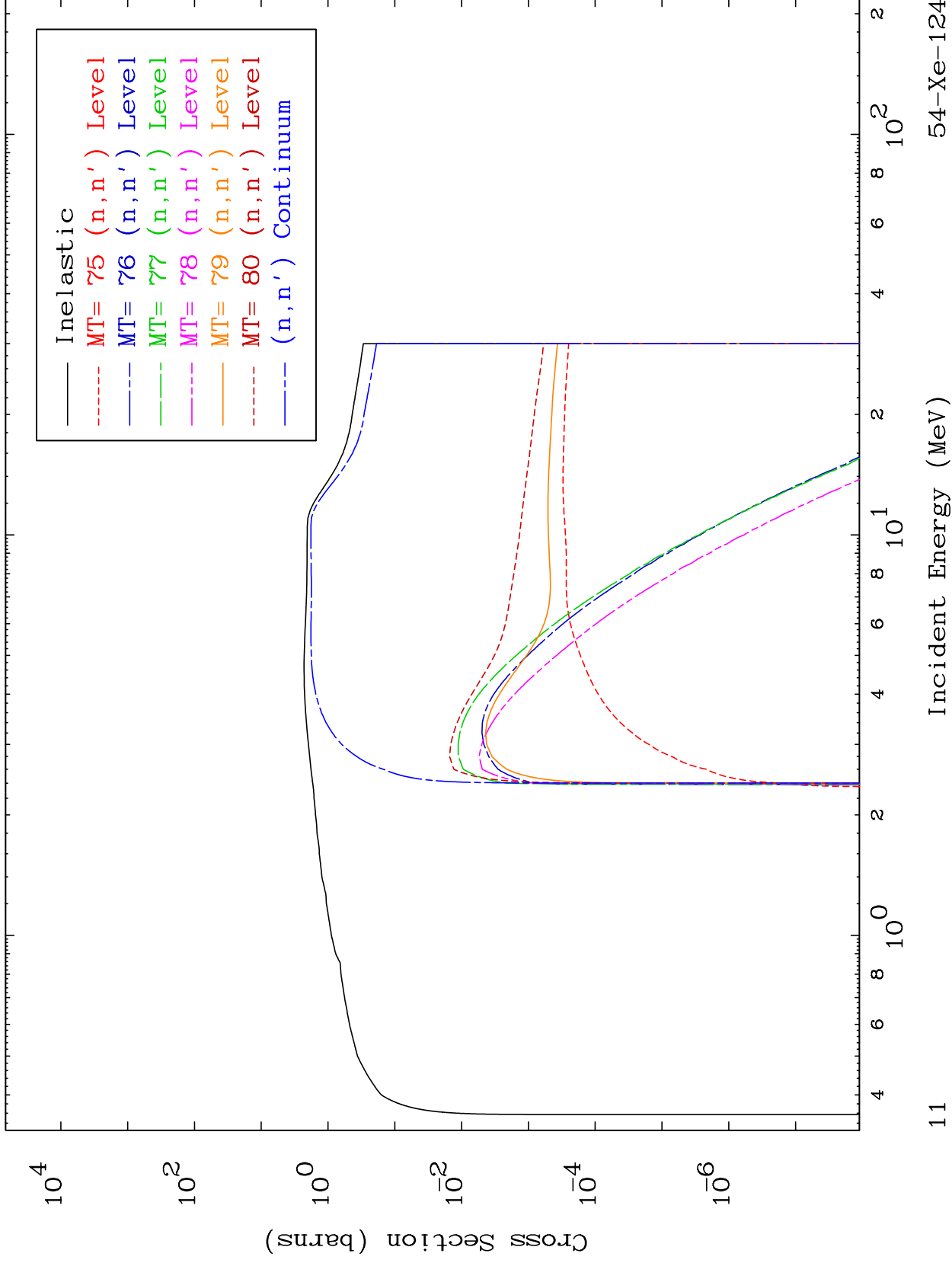
Incident Energy (MeV)

54-Xe-124

MAT 5425

(n,n') Levels  
293 Kelvin Cross Sections

54-Xe-124



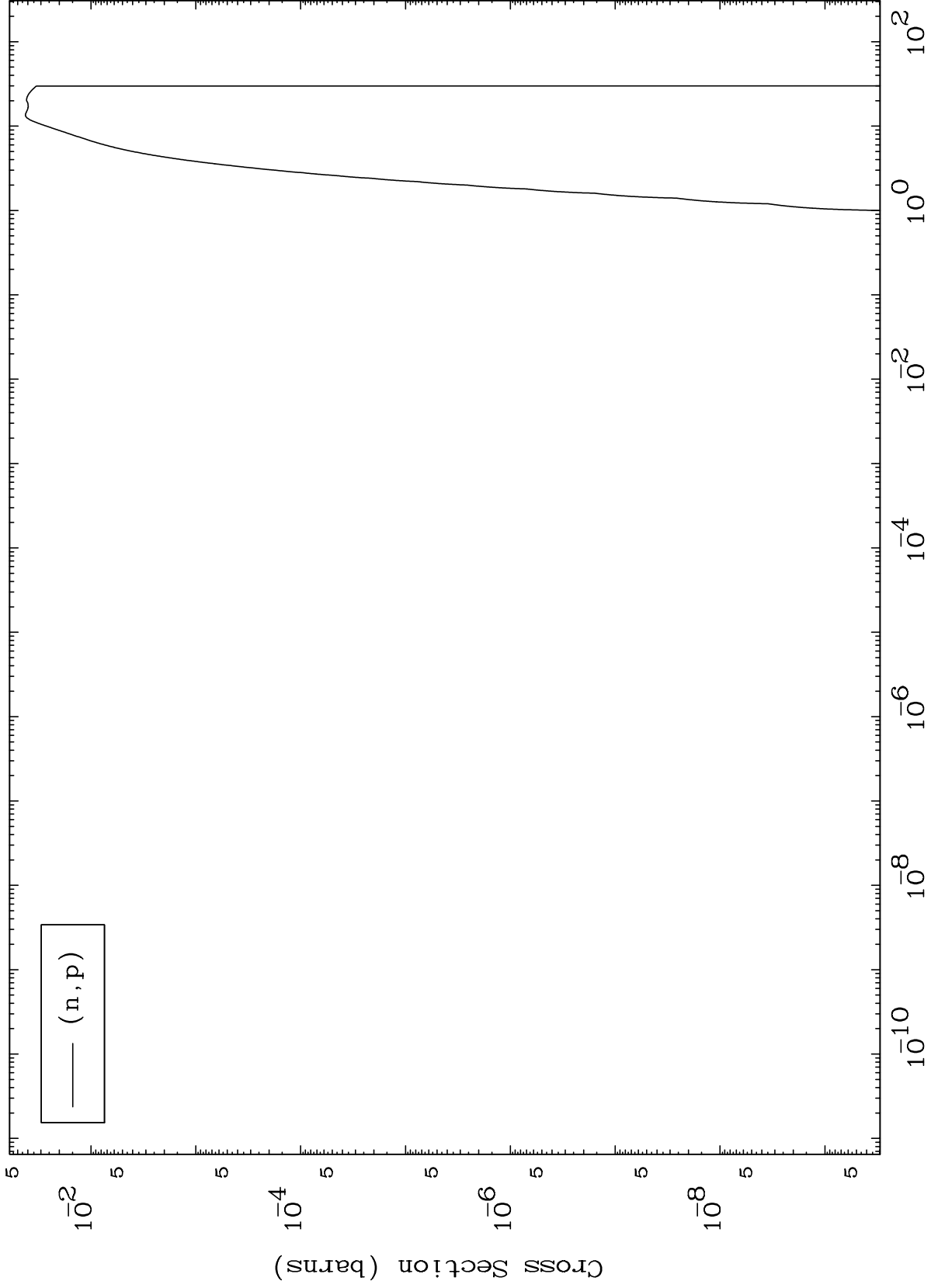
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54-Xe-124

MAT 5425

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-124



12

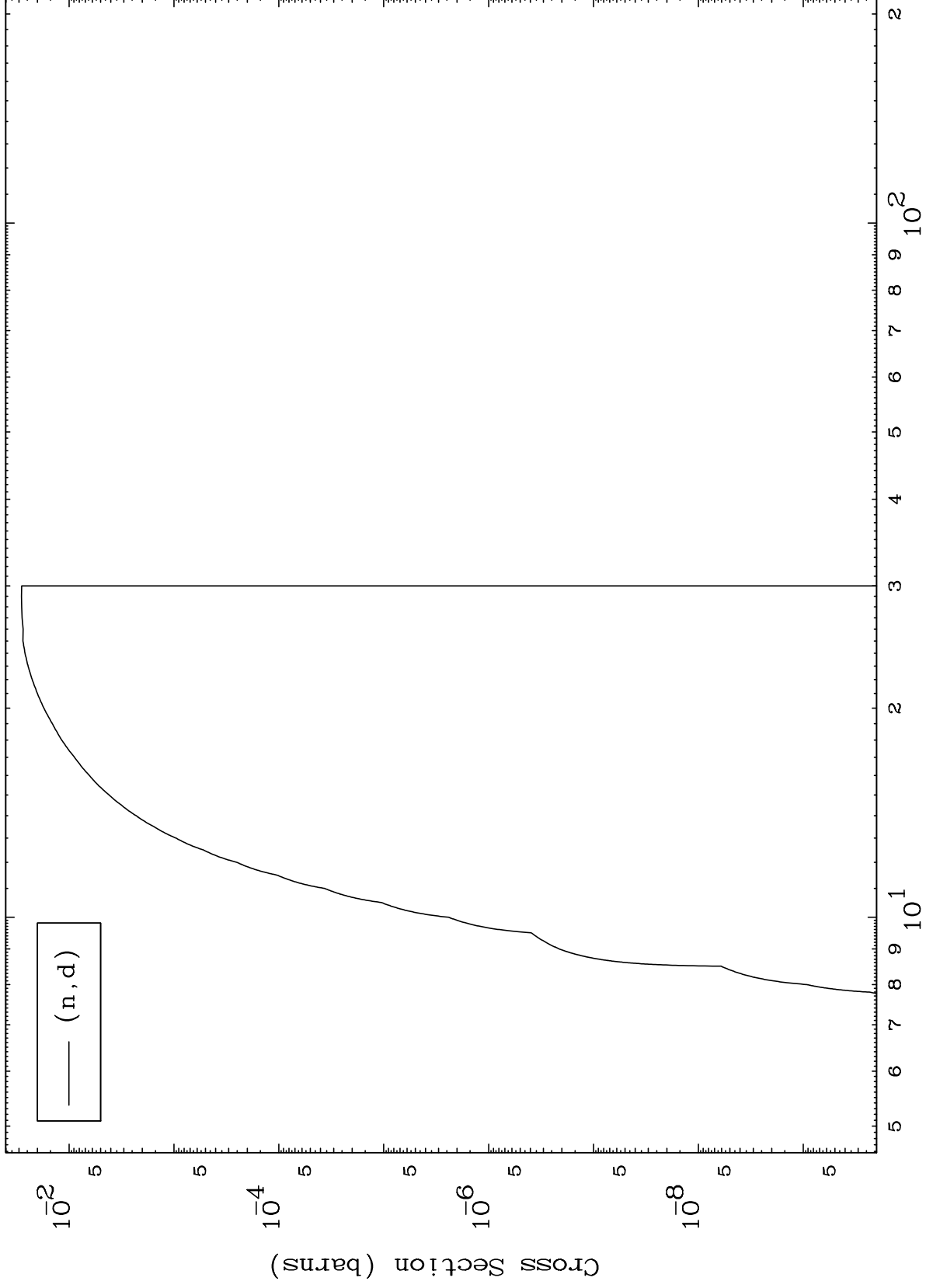
Incident Energy (MeV)

54-Xe-124

MAT 5425

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-124



13

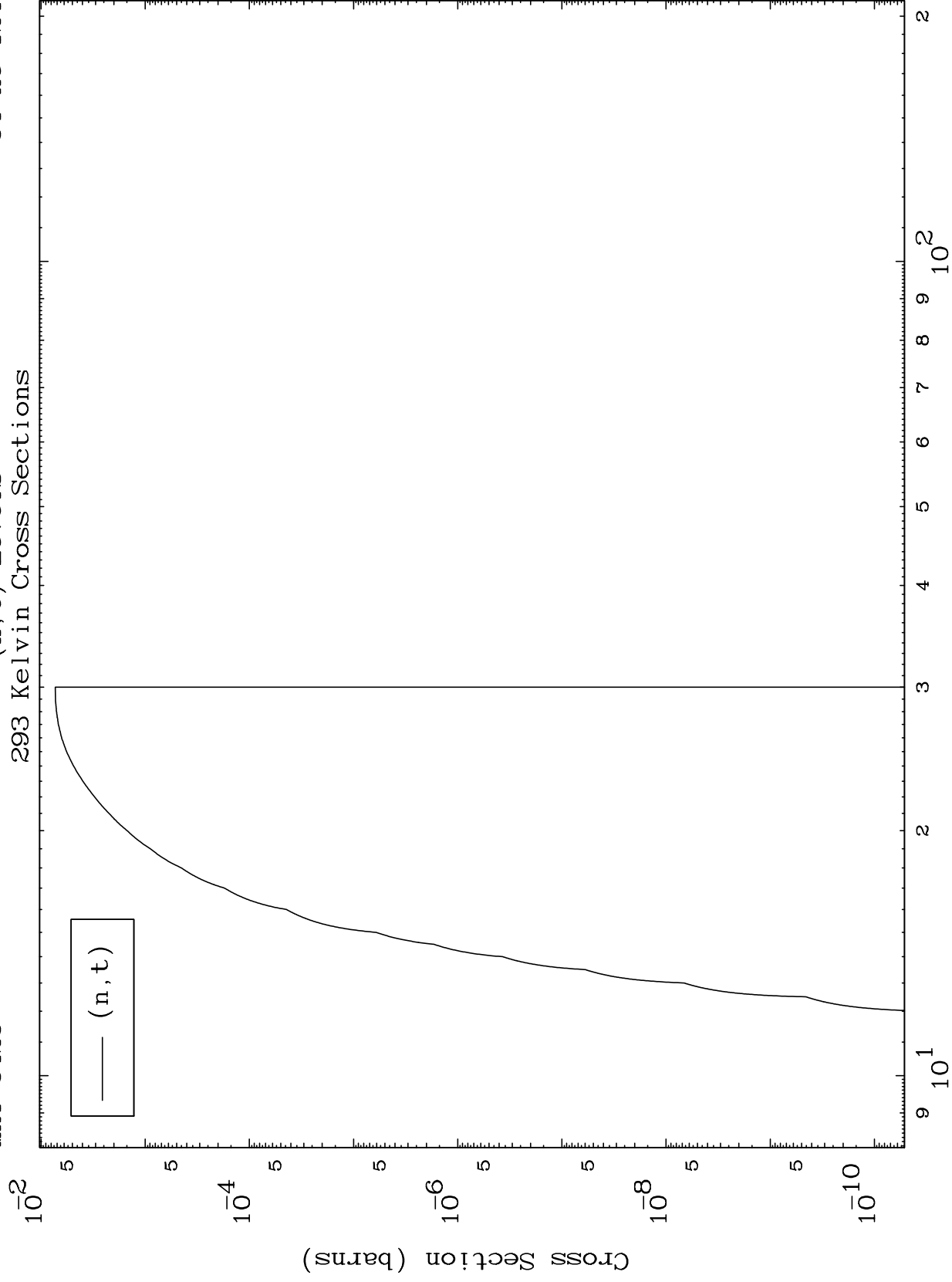
Incident Energy (MeV)

54-Xe-124

MAT 5425

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-124



14

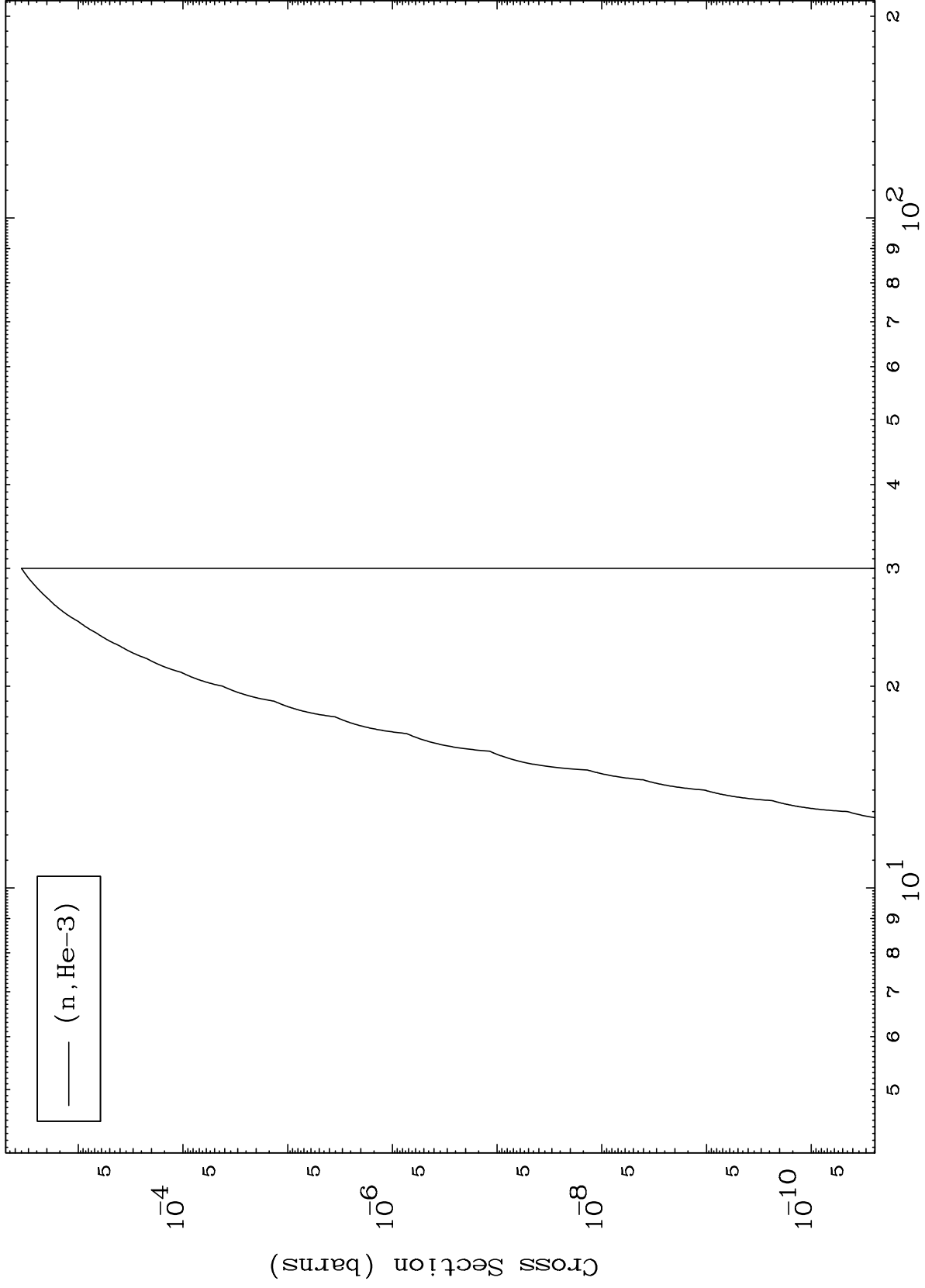
Incident Energy (MeV)

54-Xe-124

MAT 5425

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-124



15

Incident Energy (MeV)

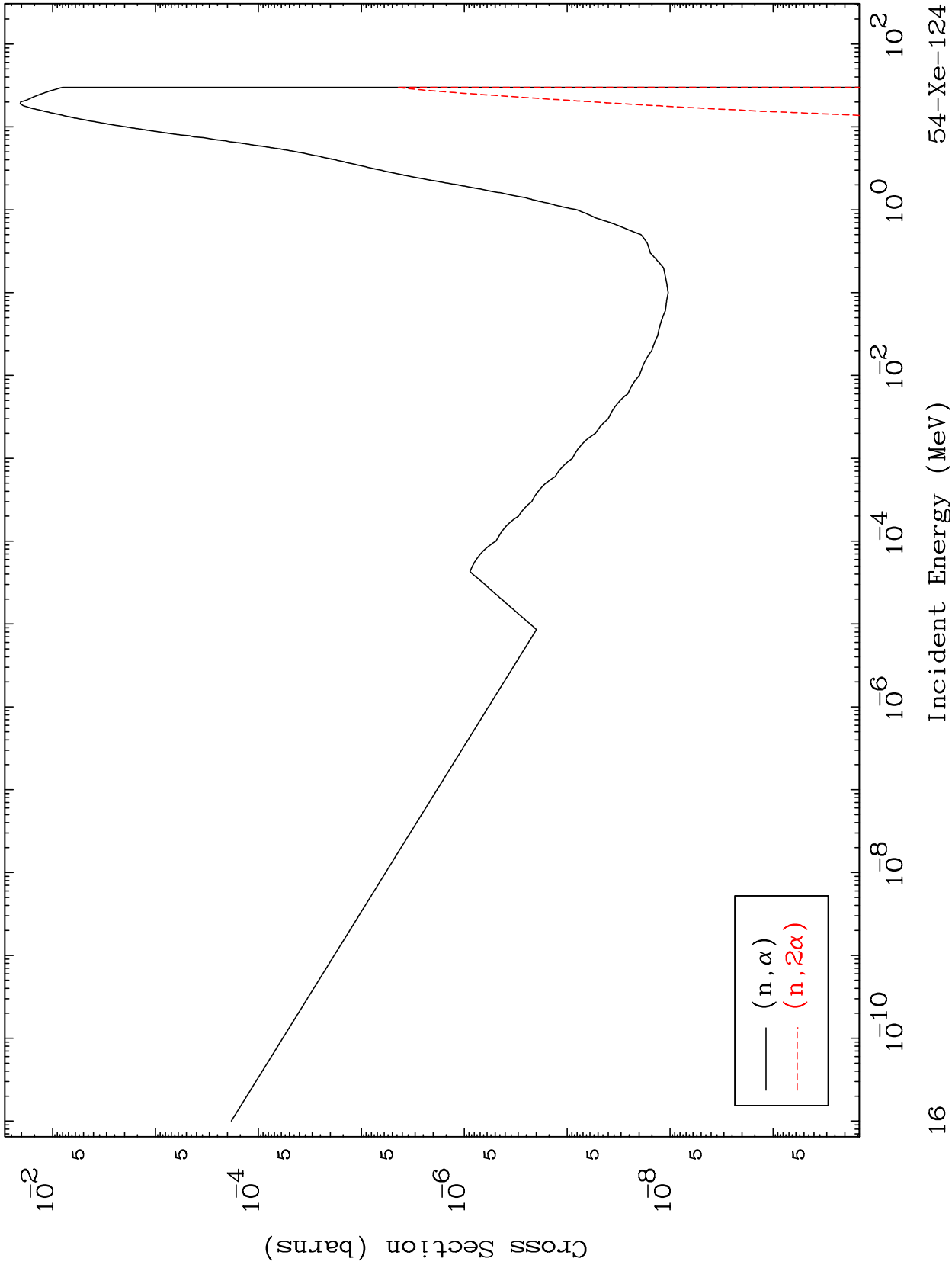
54-Xe-124



MAT 5425

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

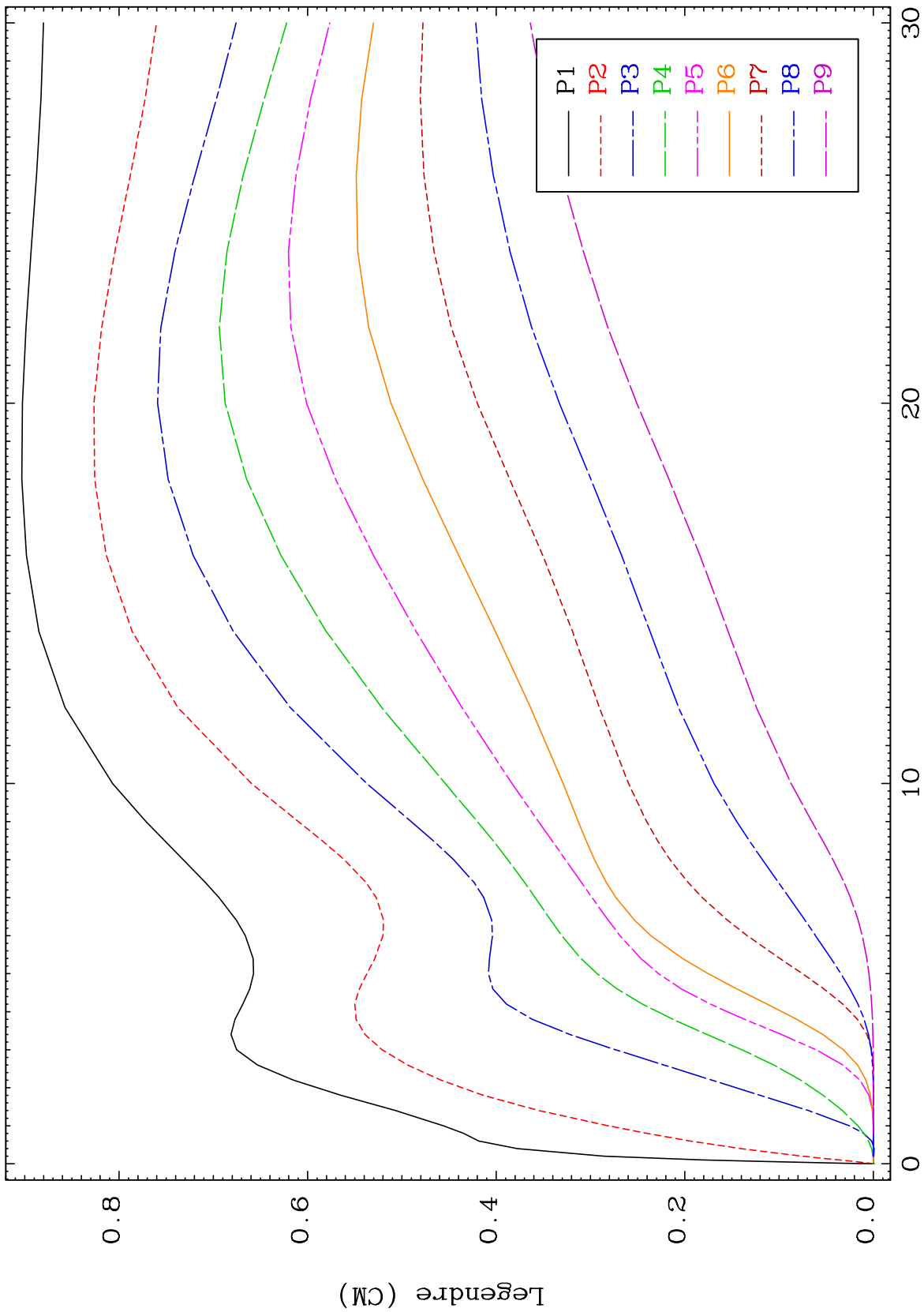
54-Xe-124



MAT 5425

54-Xe-124

Elastic Legendre Coefficients



17

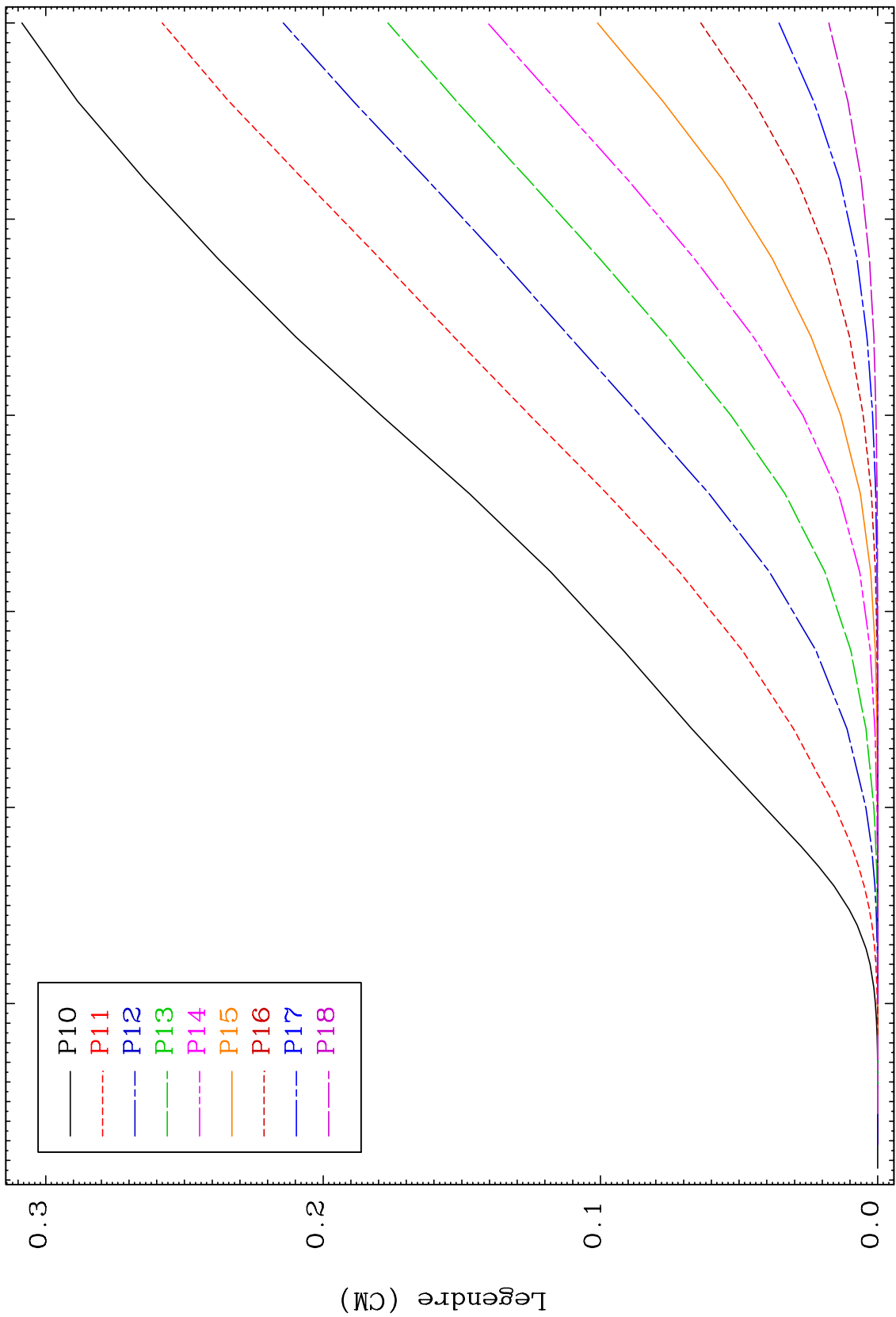
Incident Energy (MeV)

54-Xe-124

MAT 5425

Elastic Legendre Coefficients

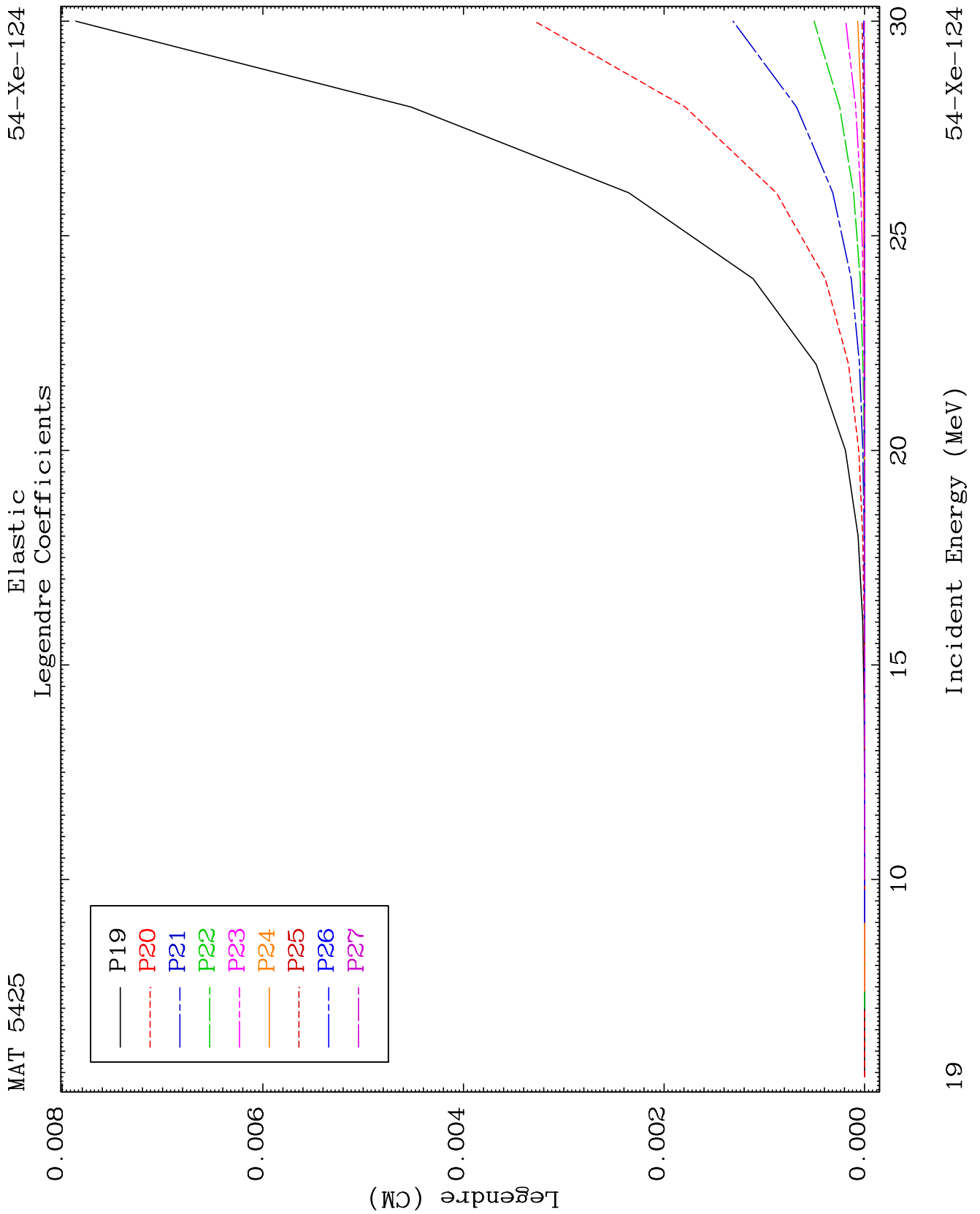
54-Xe-124



18

Incident Energy (MeV)

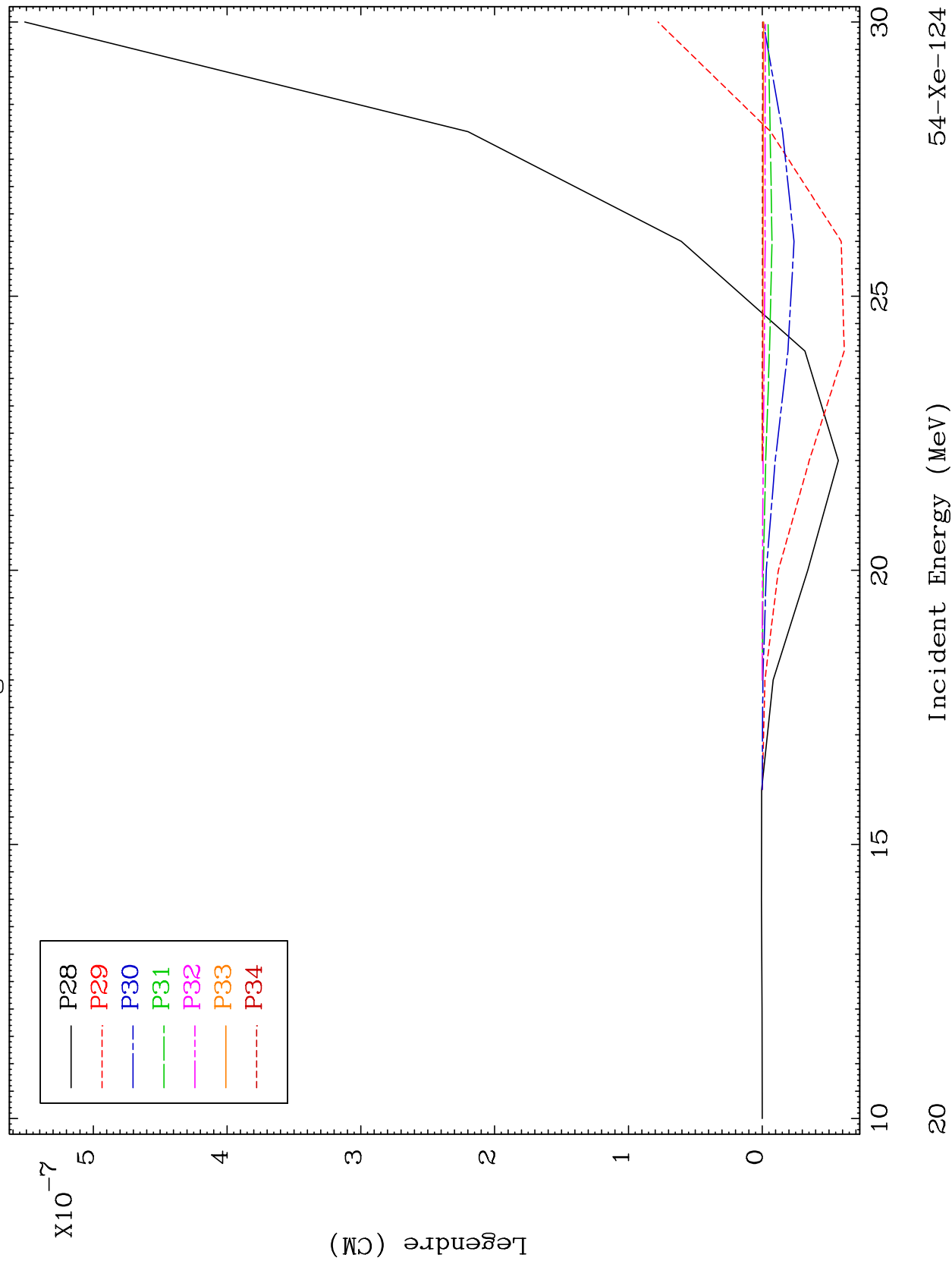
54-Xe-124



MAT 5425

Elastic Legendre Coefficients

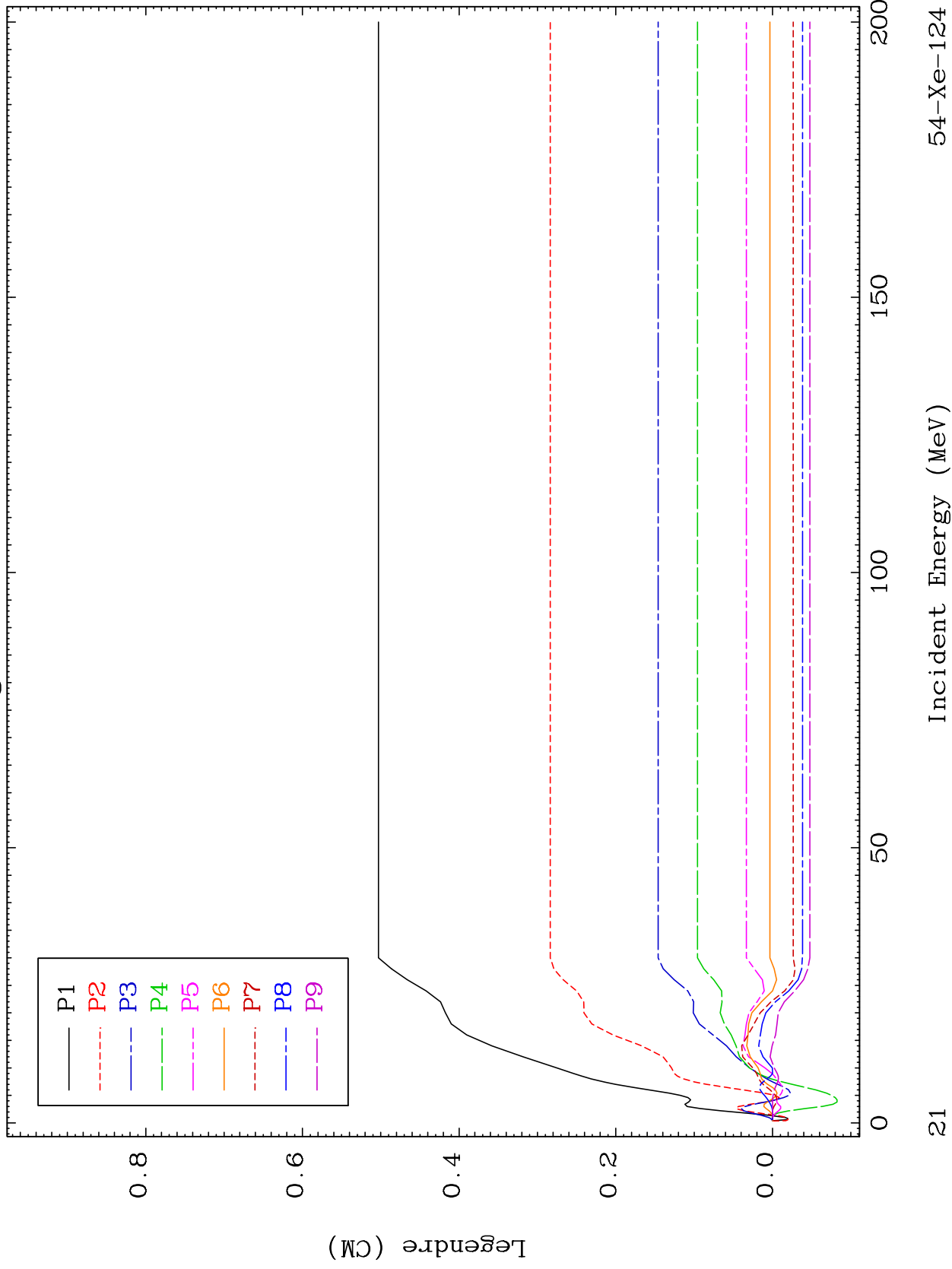
54-Xe-124



MAT 5425

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

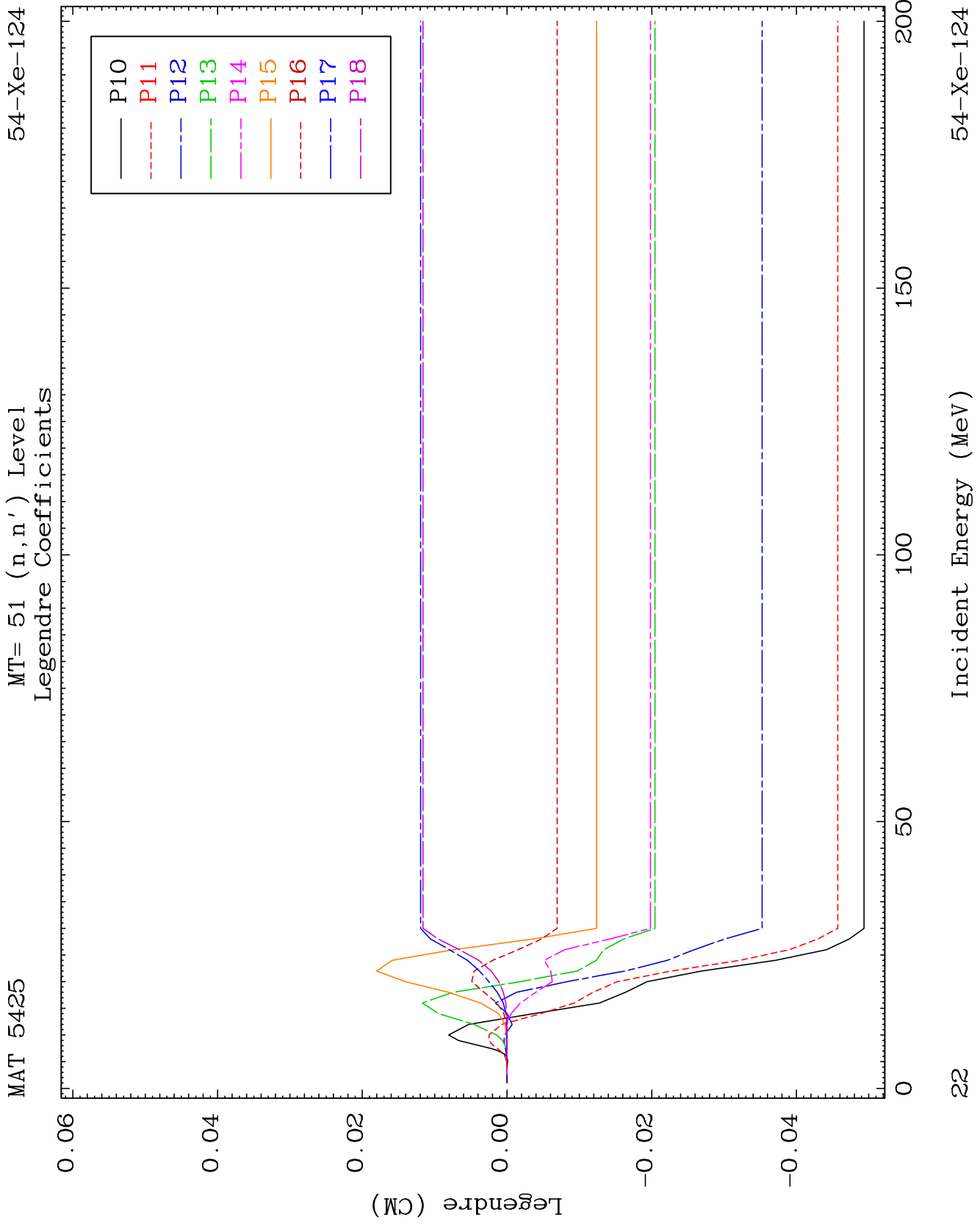
54-Xe-124



21

Incident Energy (MeV)

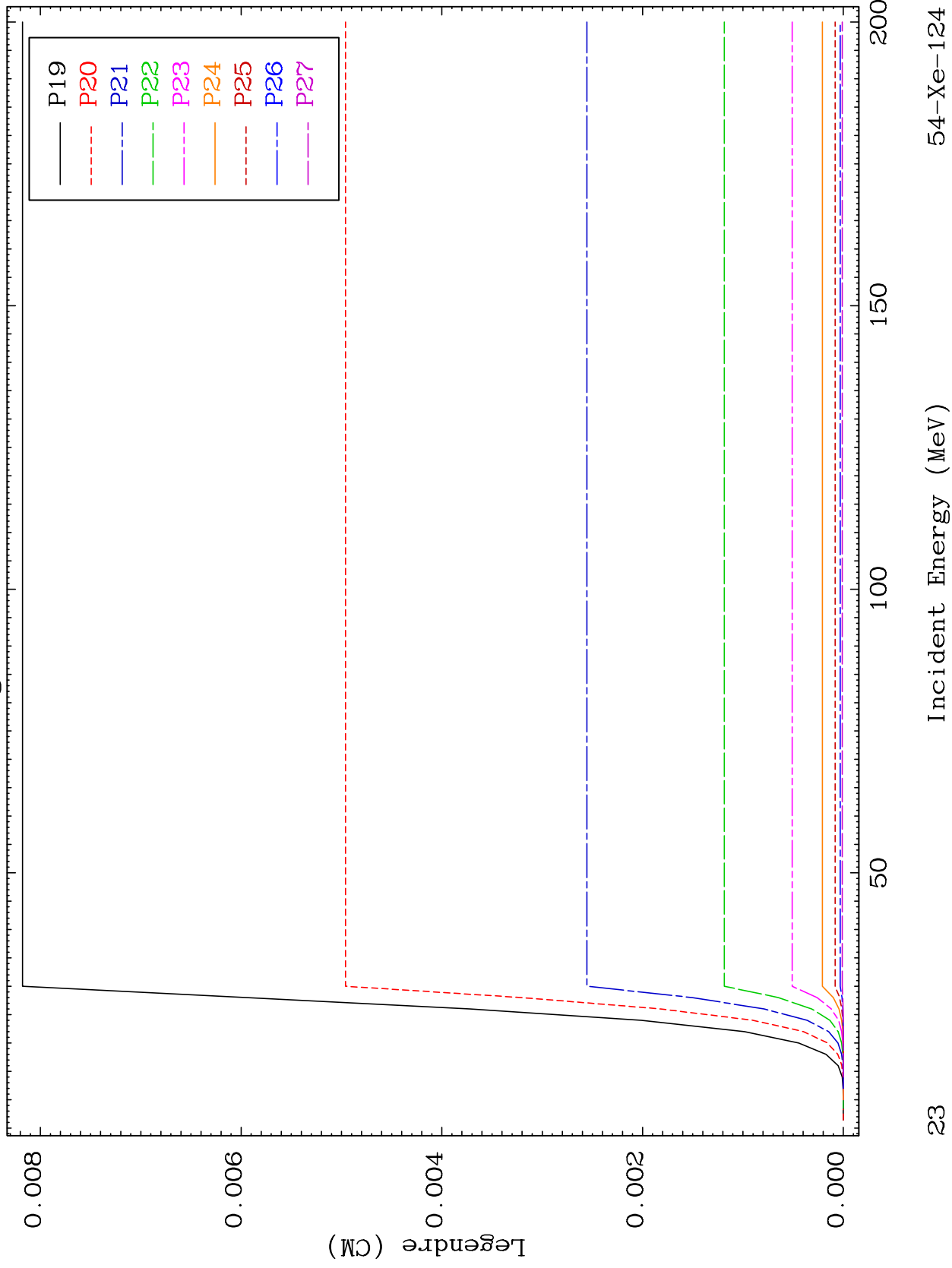
54-Xe-124



MAT 5425

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

54-Xe-124



23

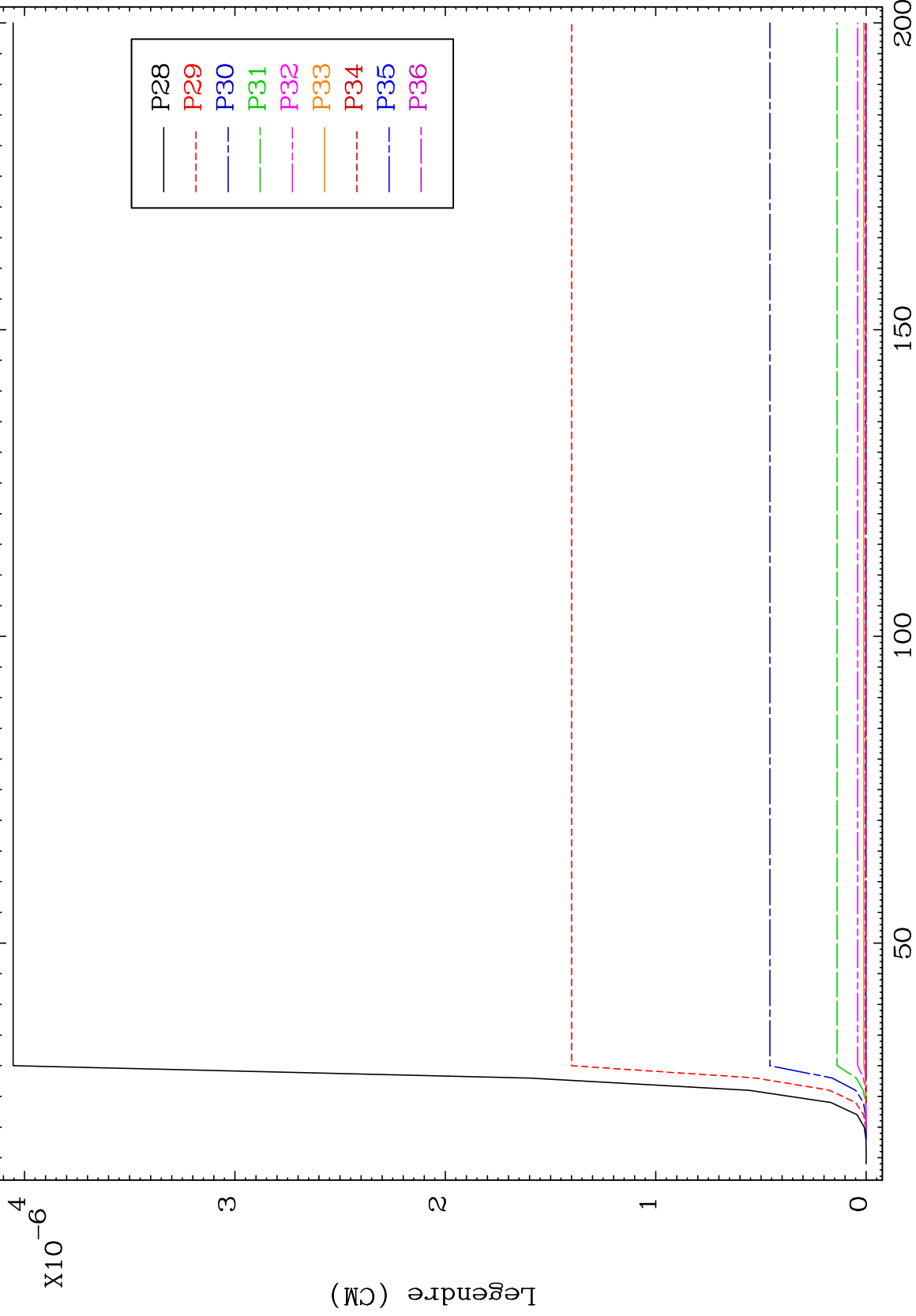
54-Xe-124



MAT 5425

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

54-Xe-124

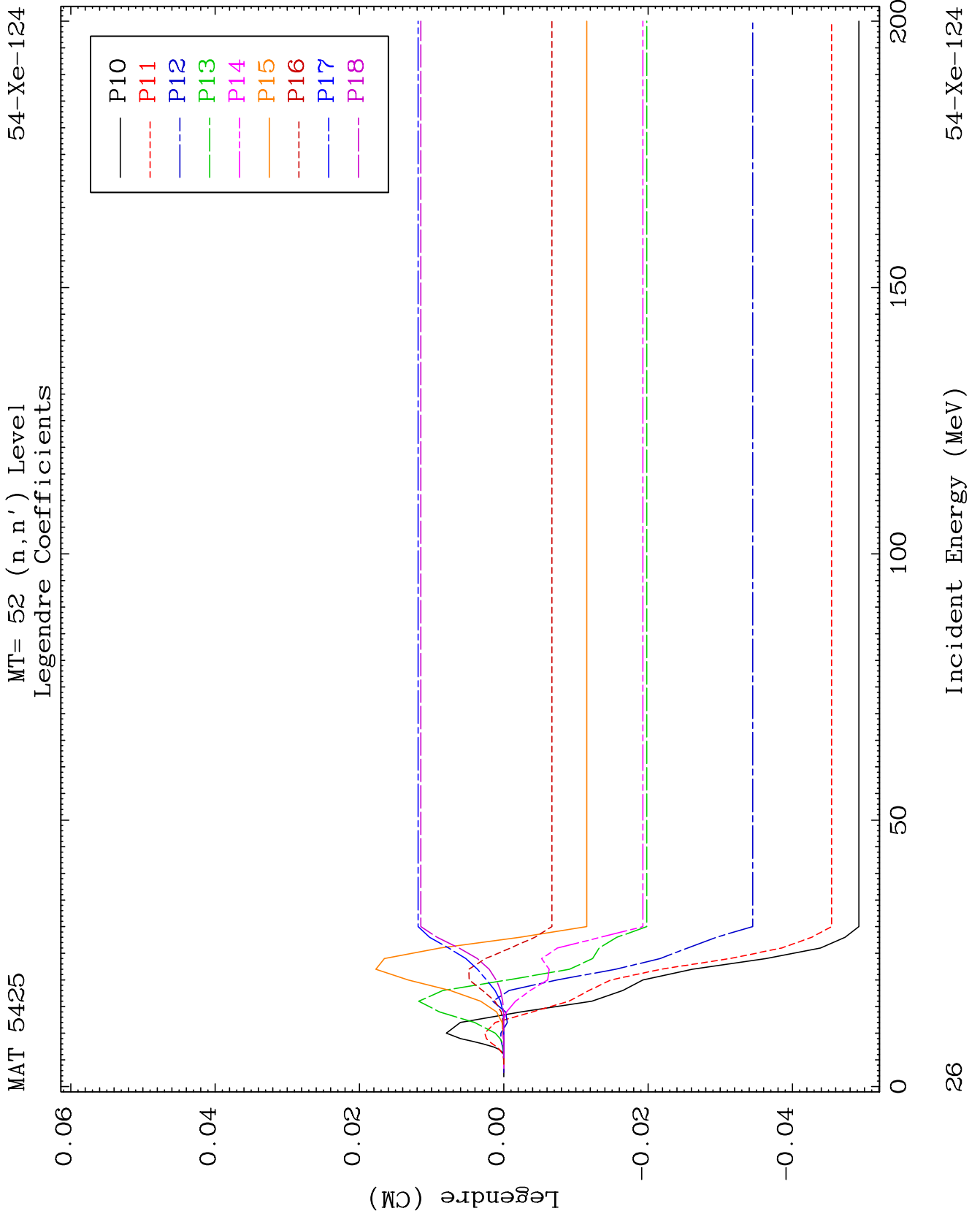


24

Incident Energy (MeV)

54-Xe-124

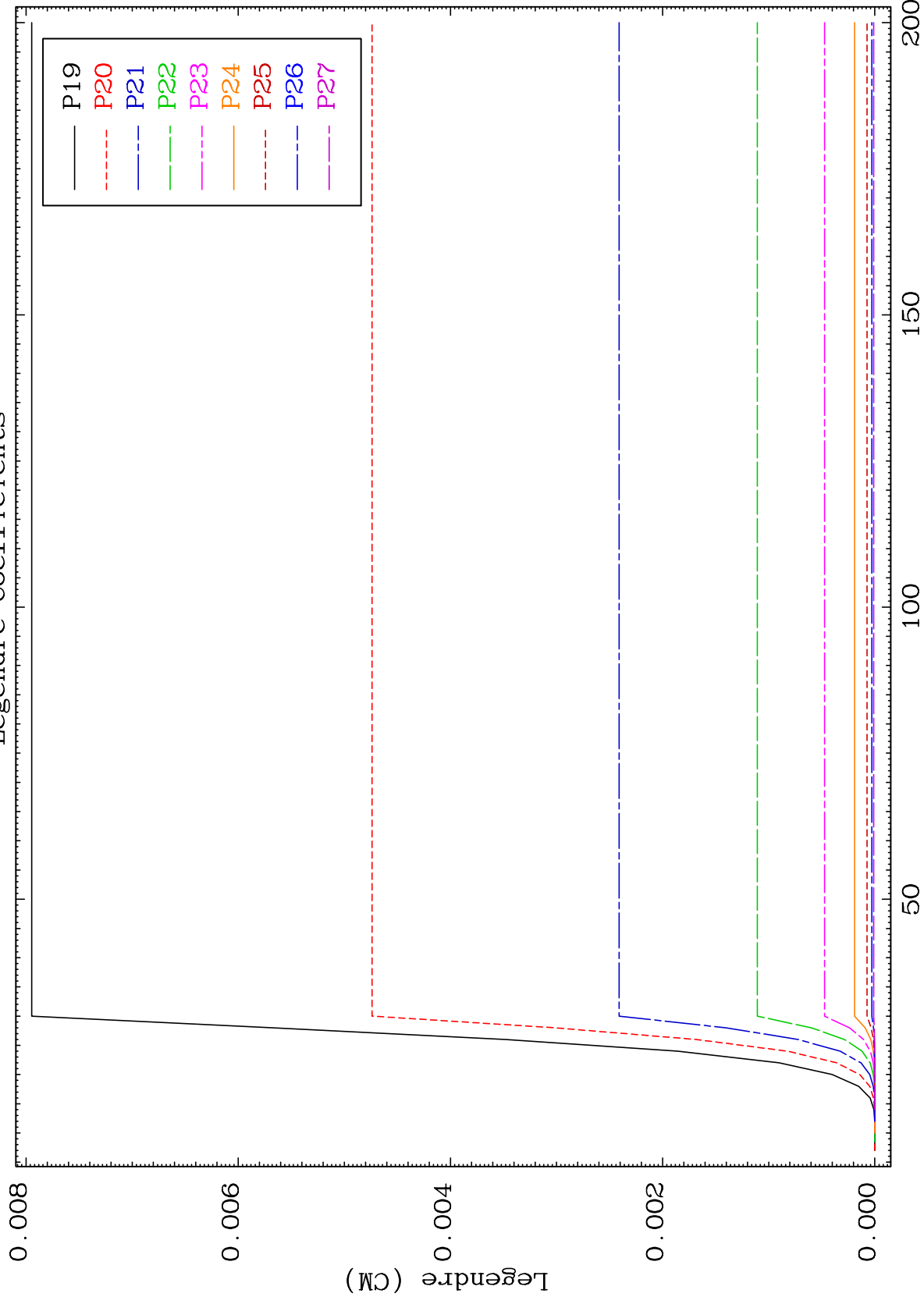




MAT 5425

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

54-Xe-124



27

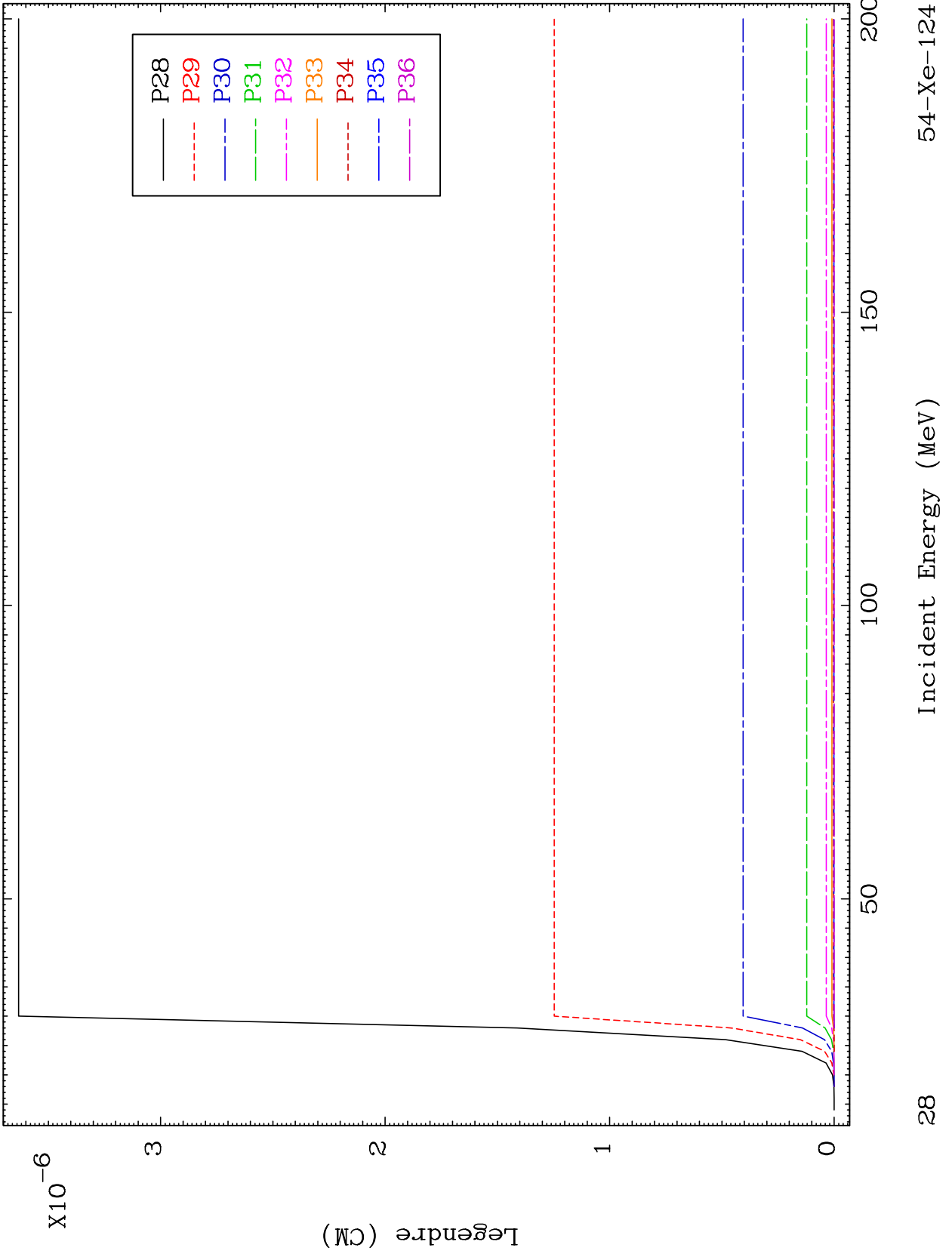
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



28

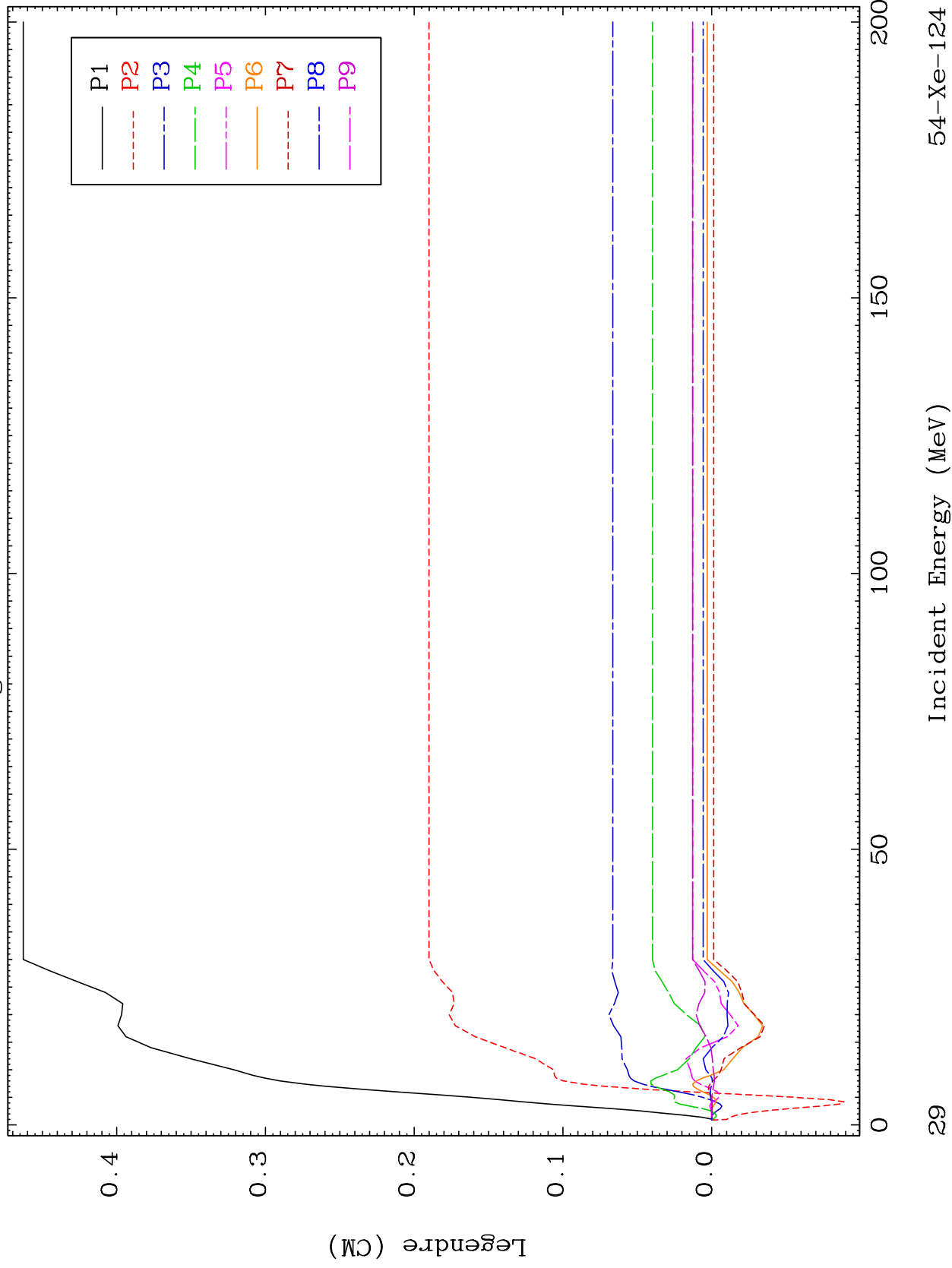
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



54-Xe-124

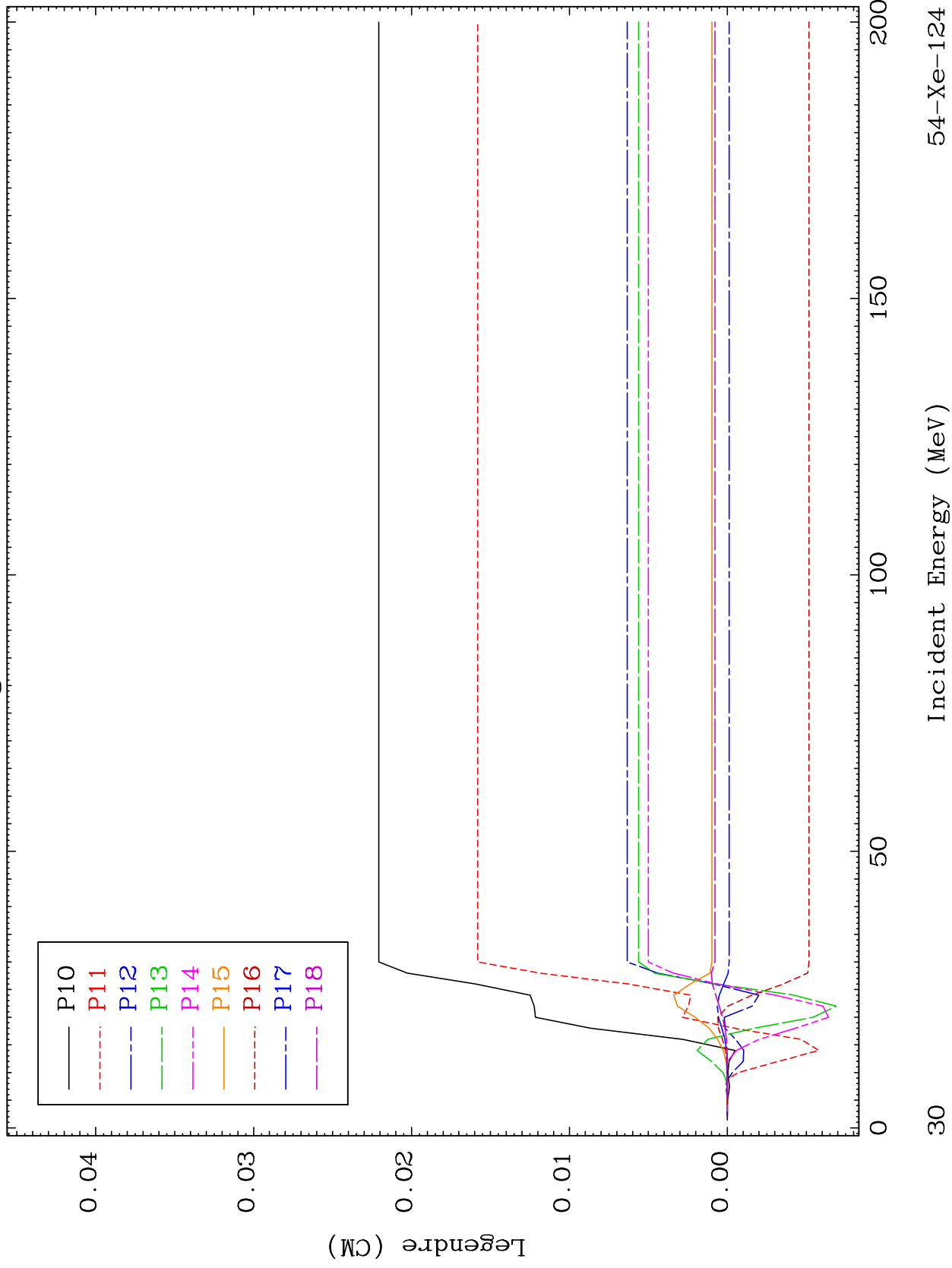
Incident Energy (MeV)

29

MAT 5425

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

54-Xe-124



54-Xe-124

Incident Energy (MeV)

30

200

150

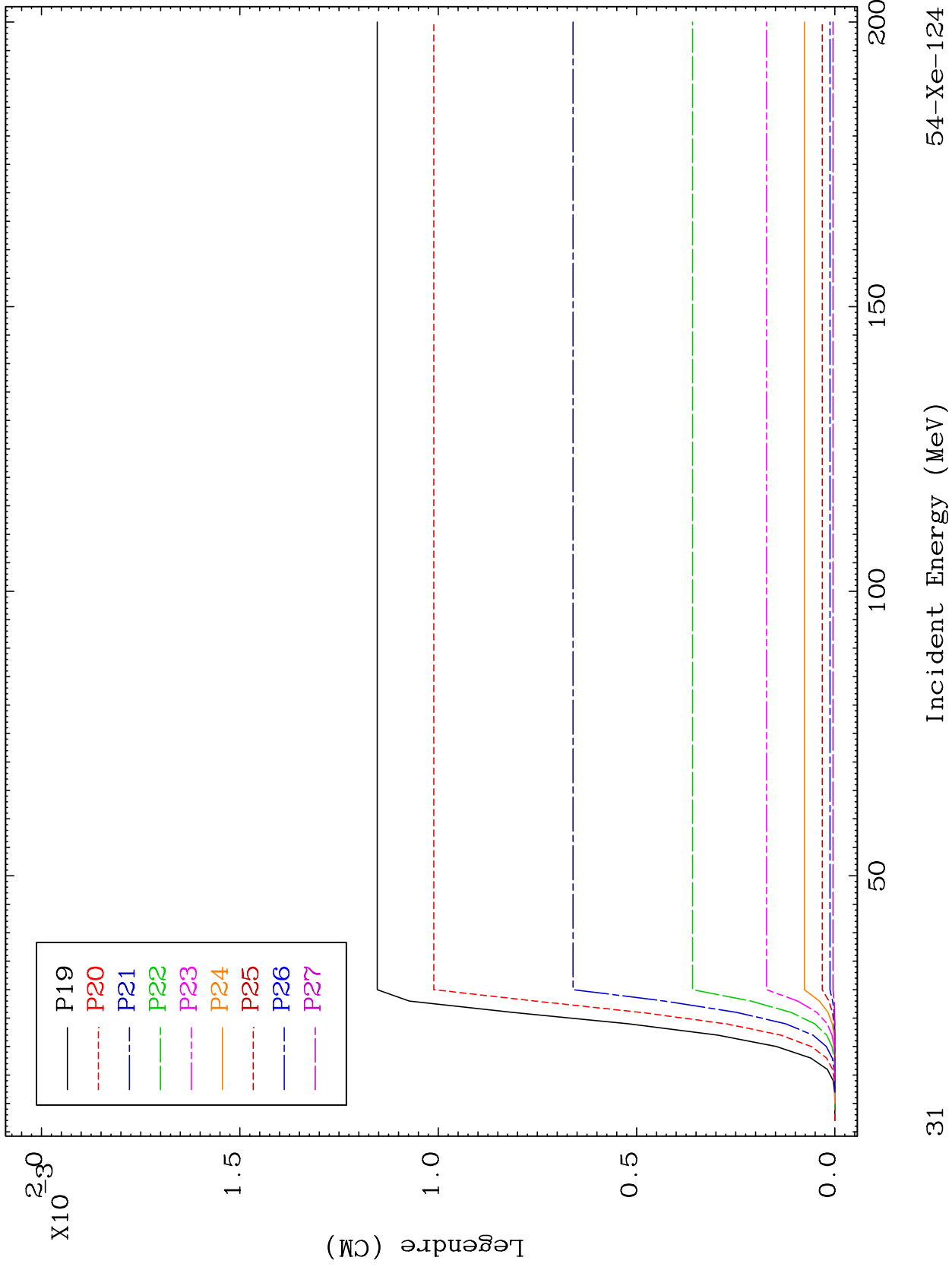
100

50

MAT 5425

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

54-Xe-124



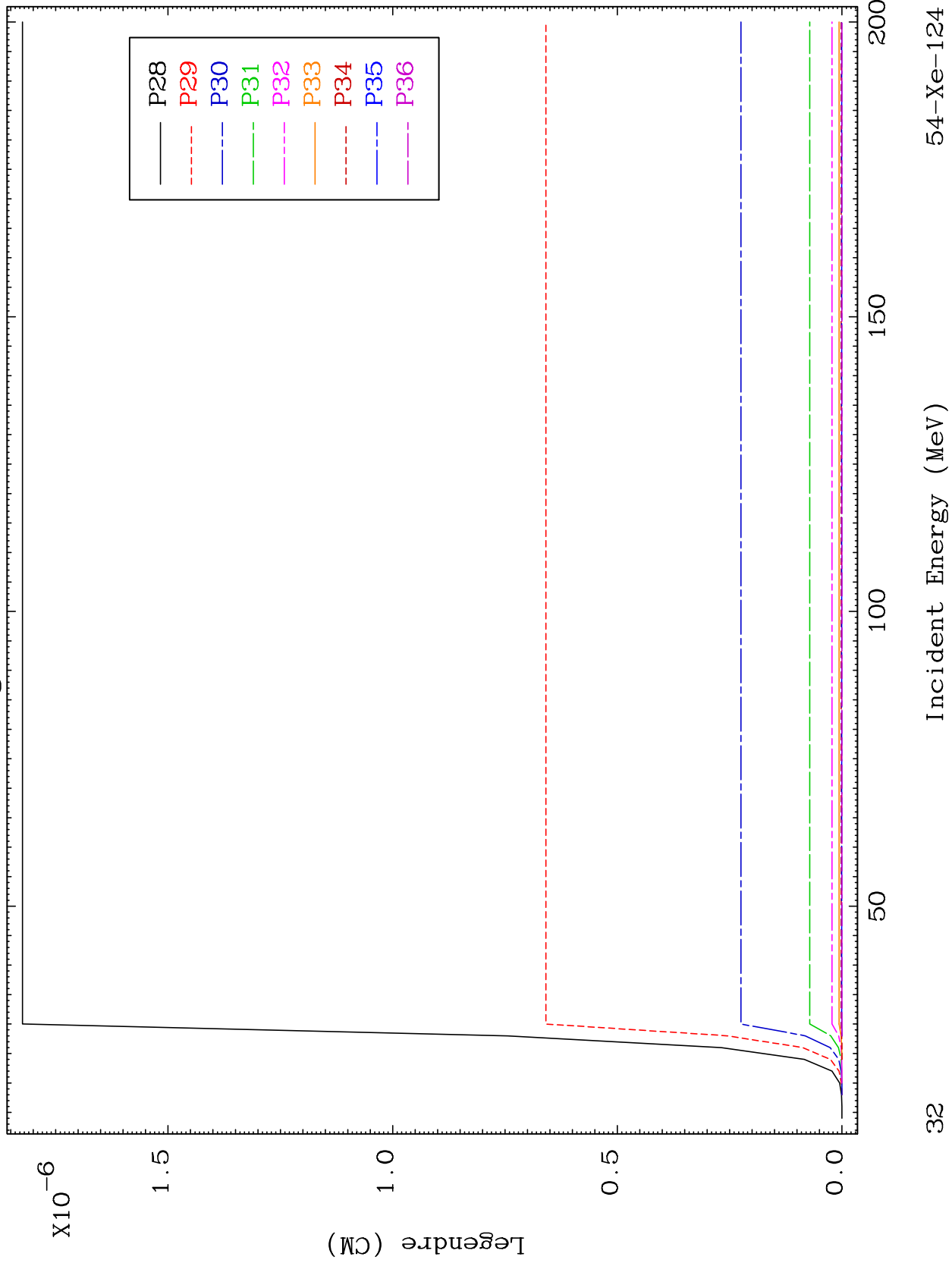
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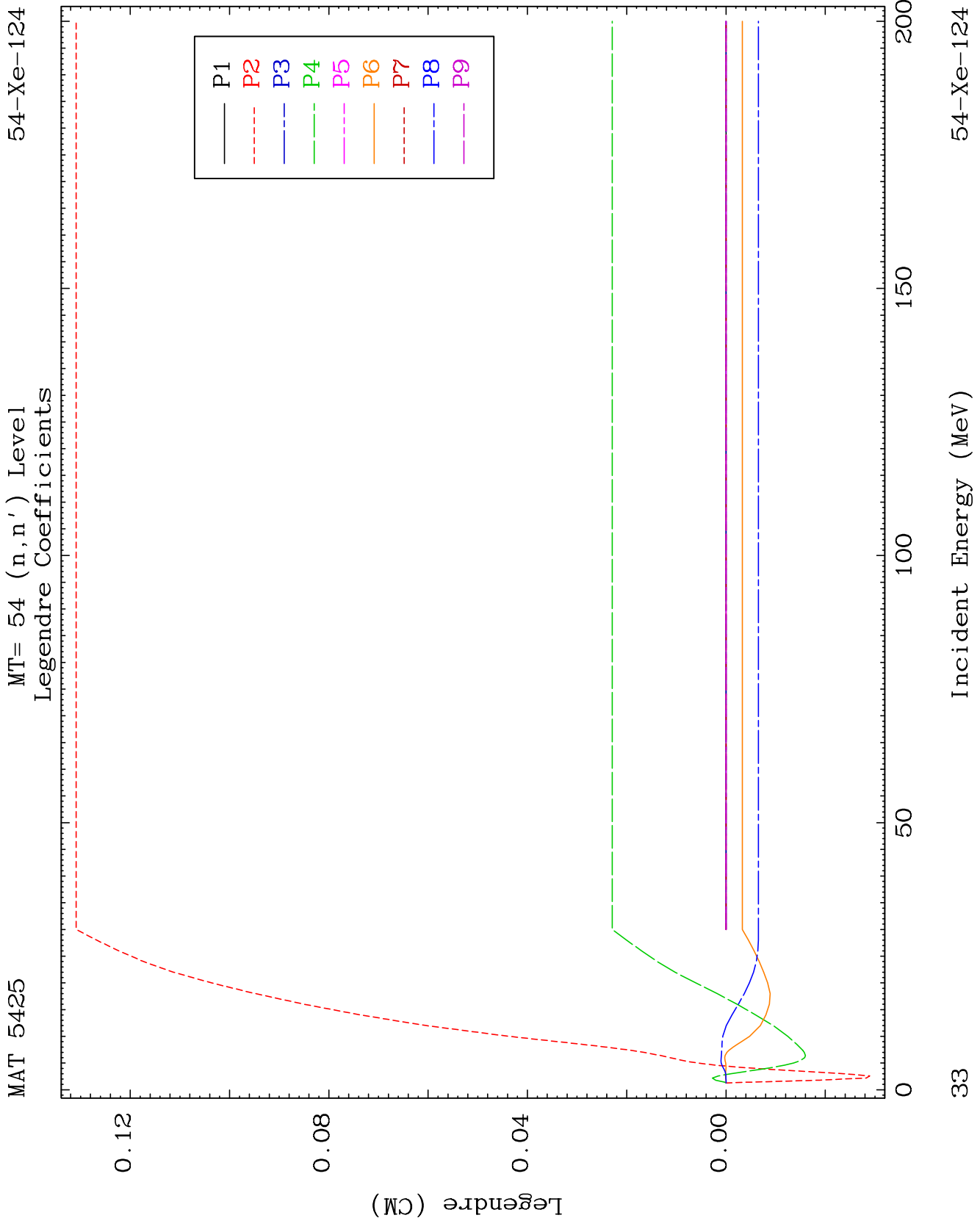
MAT 5425

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

54-Xe-124



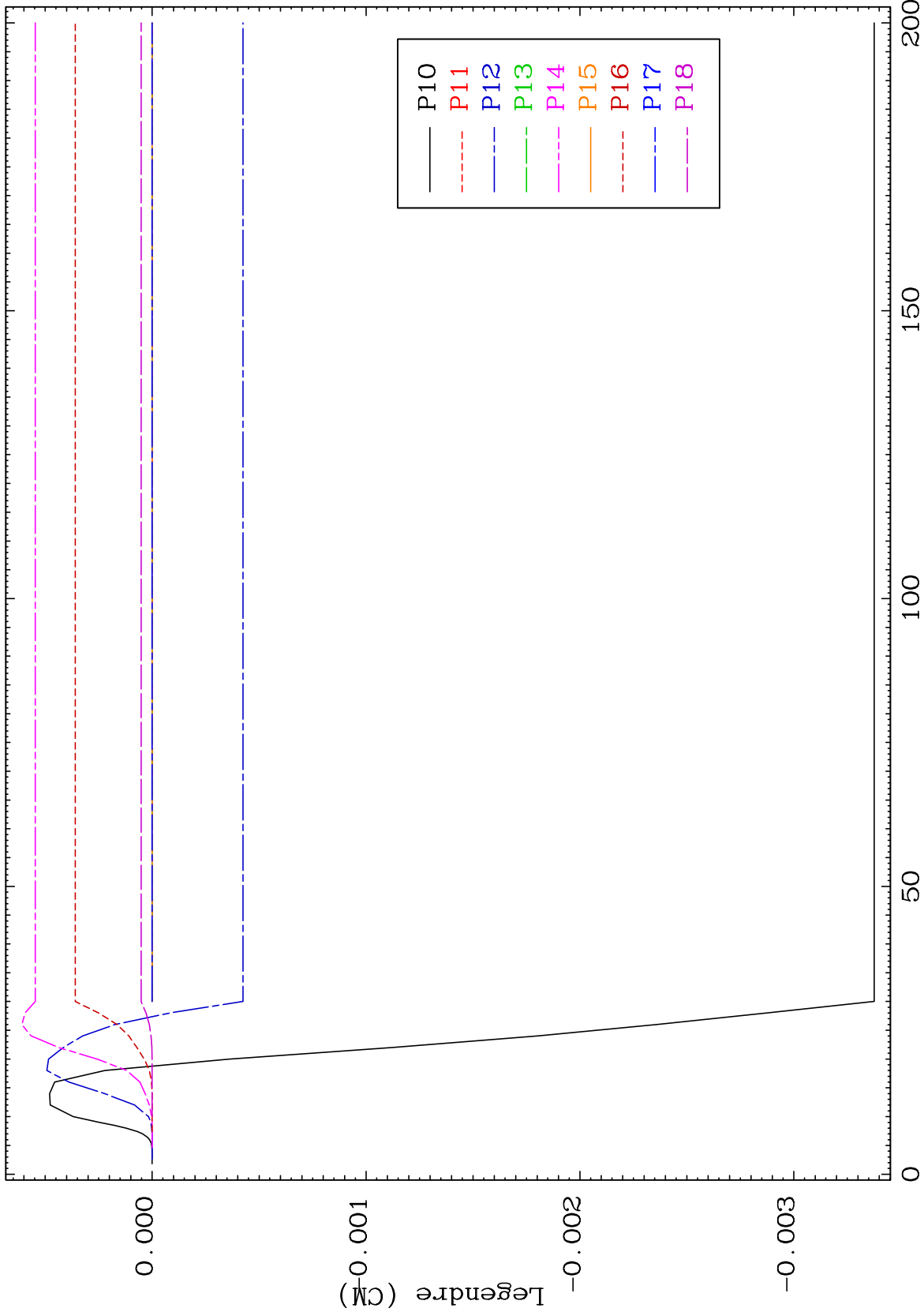
32



MAT 5425

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

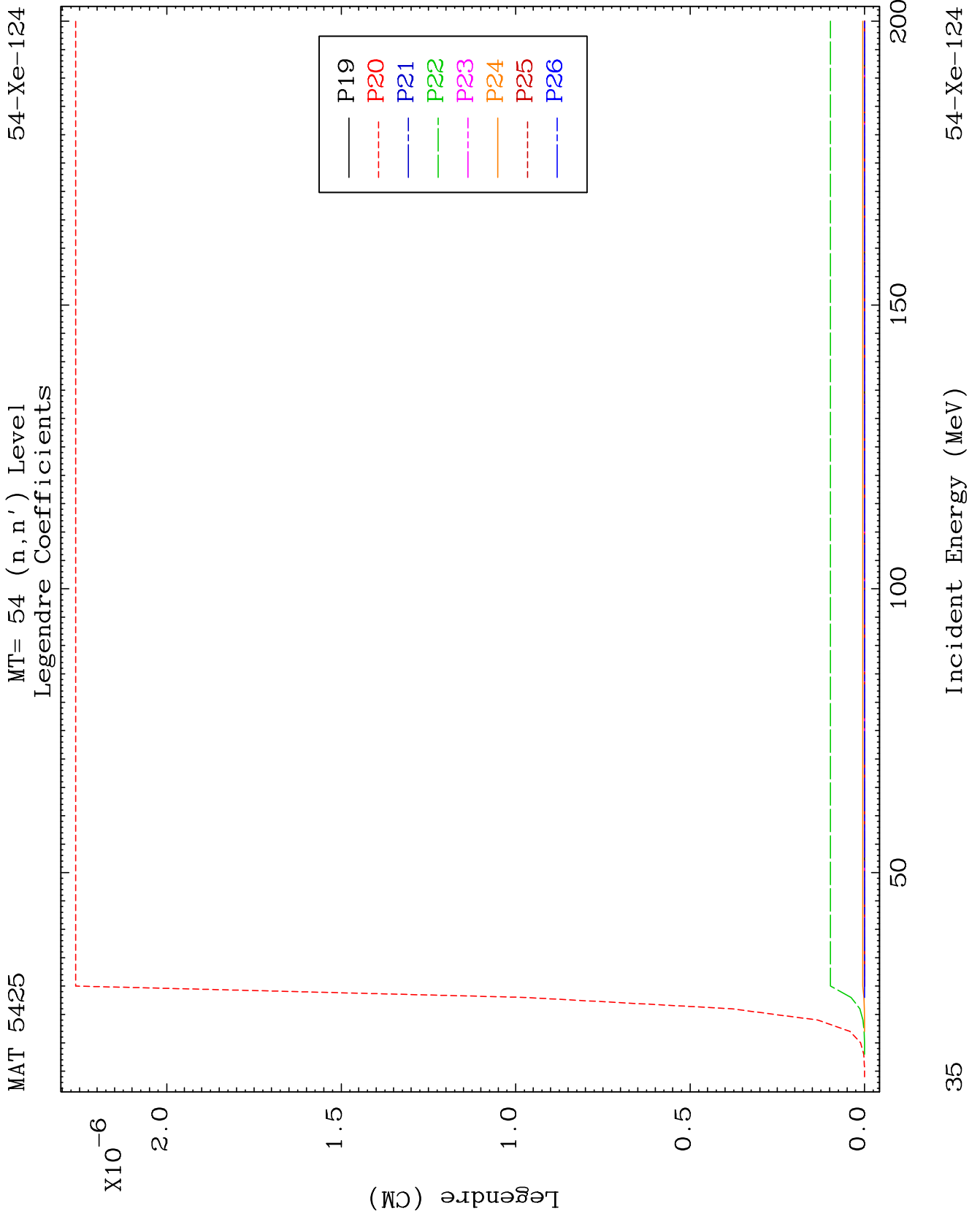
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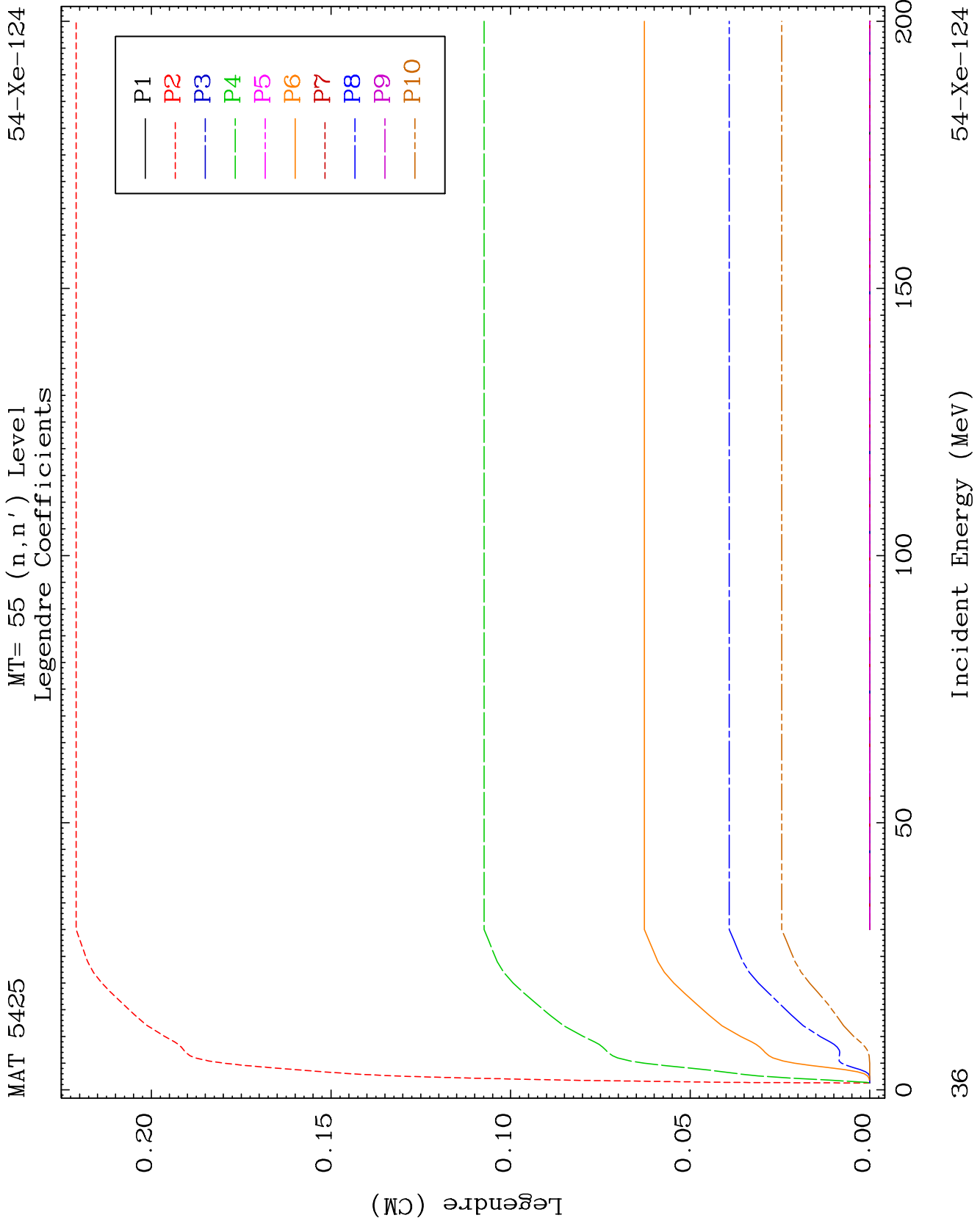


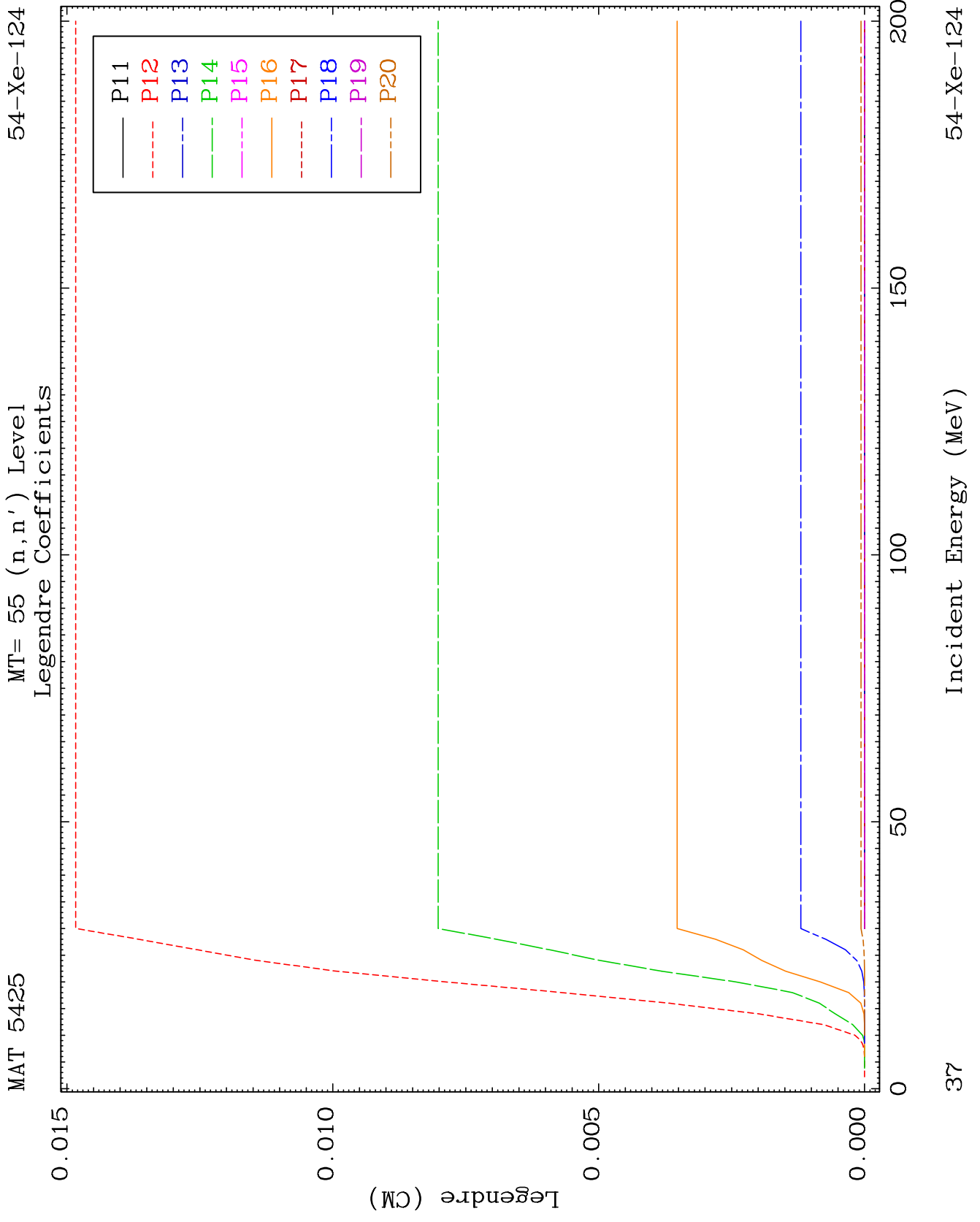
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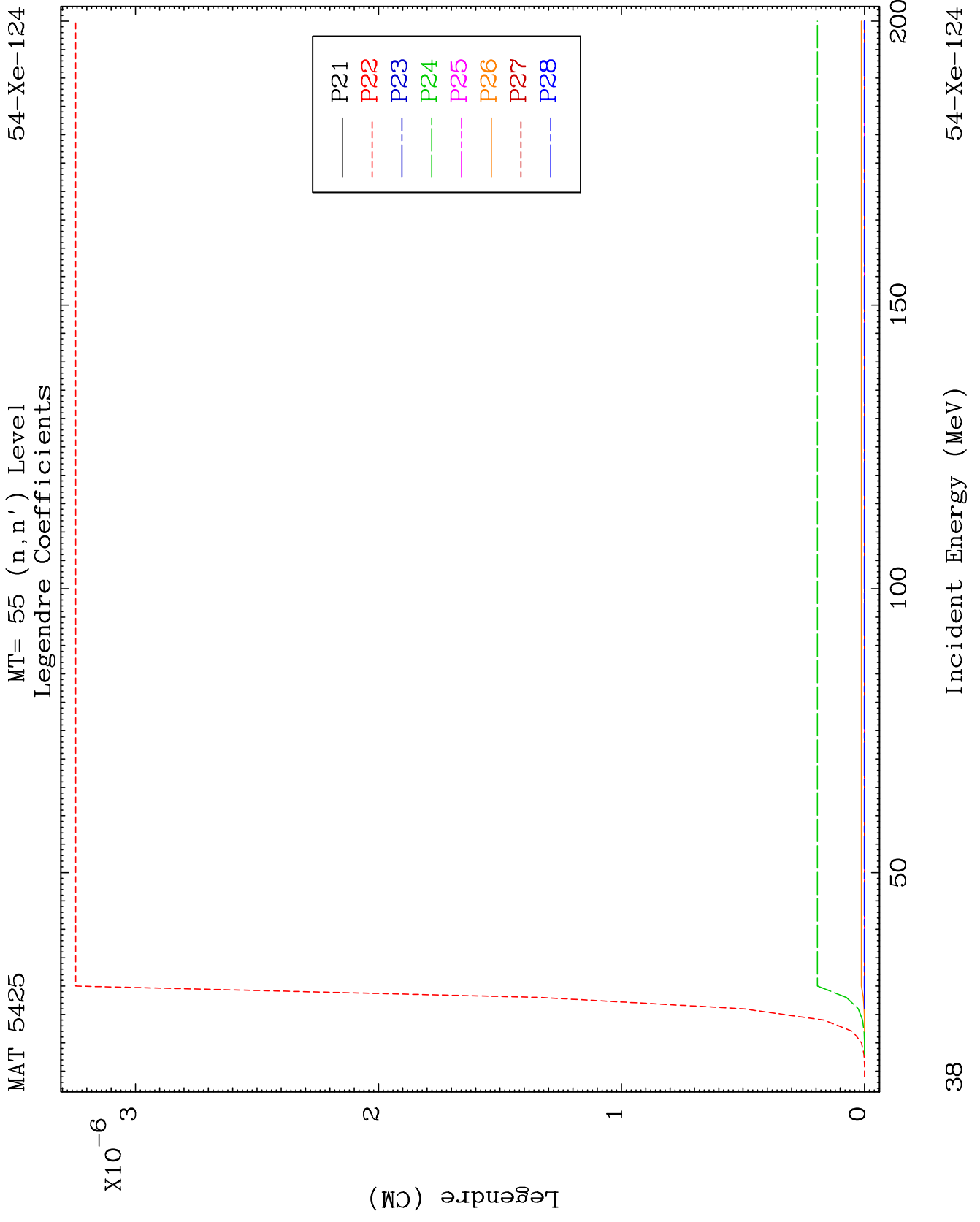
Incident Energy (MeV)

54-Xe-124





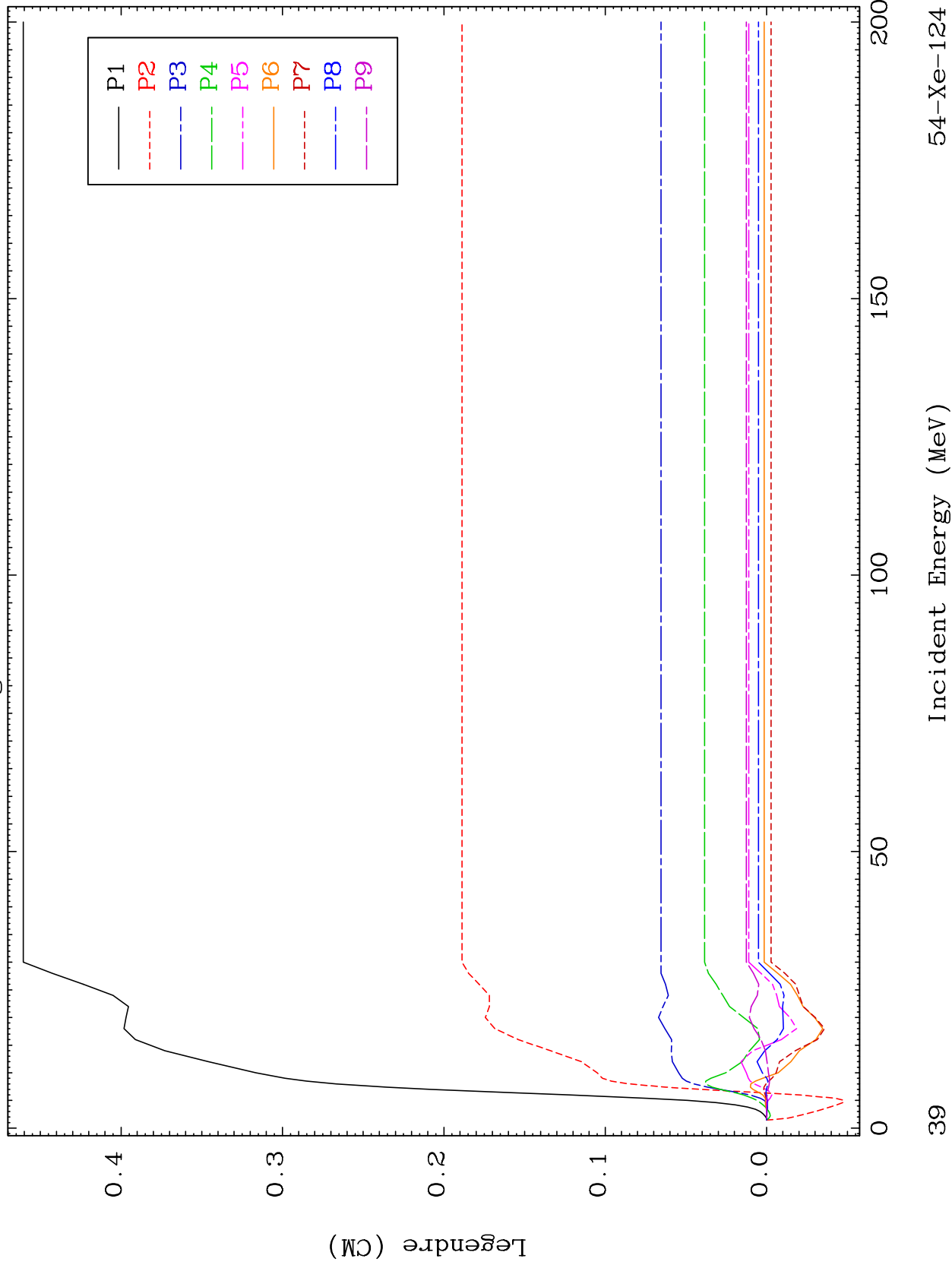




MAT 5425

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

54-Xe-124



54-Xe-124

Incident Energy (MeV)

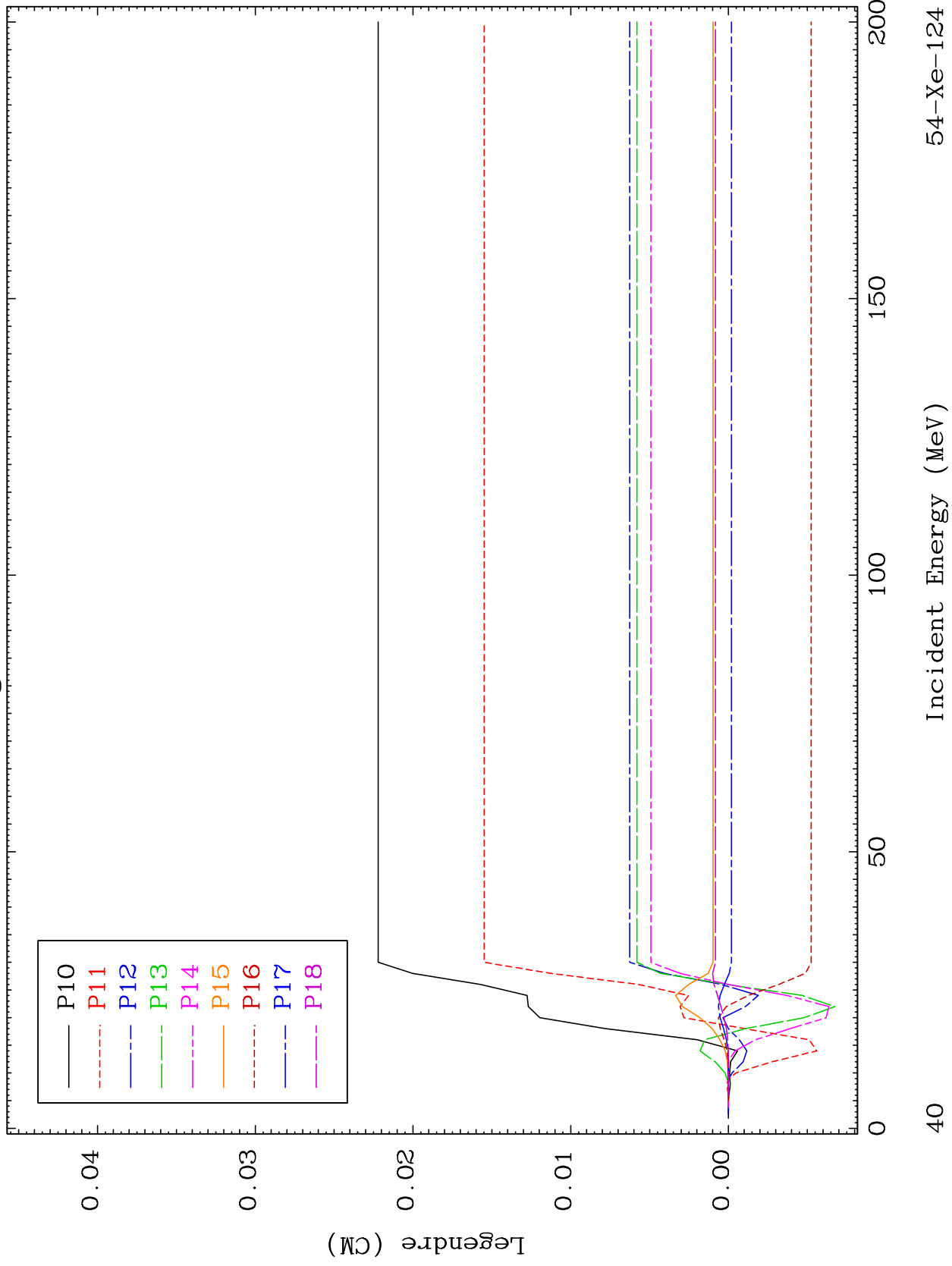
39



MAT 5425

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

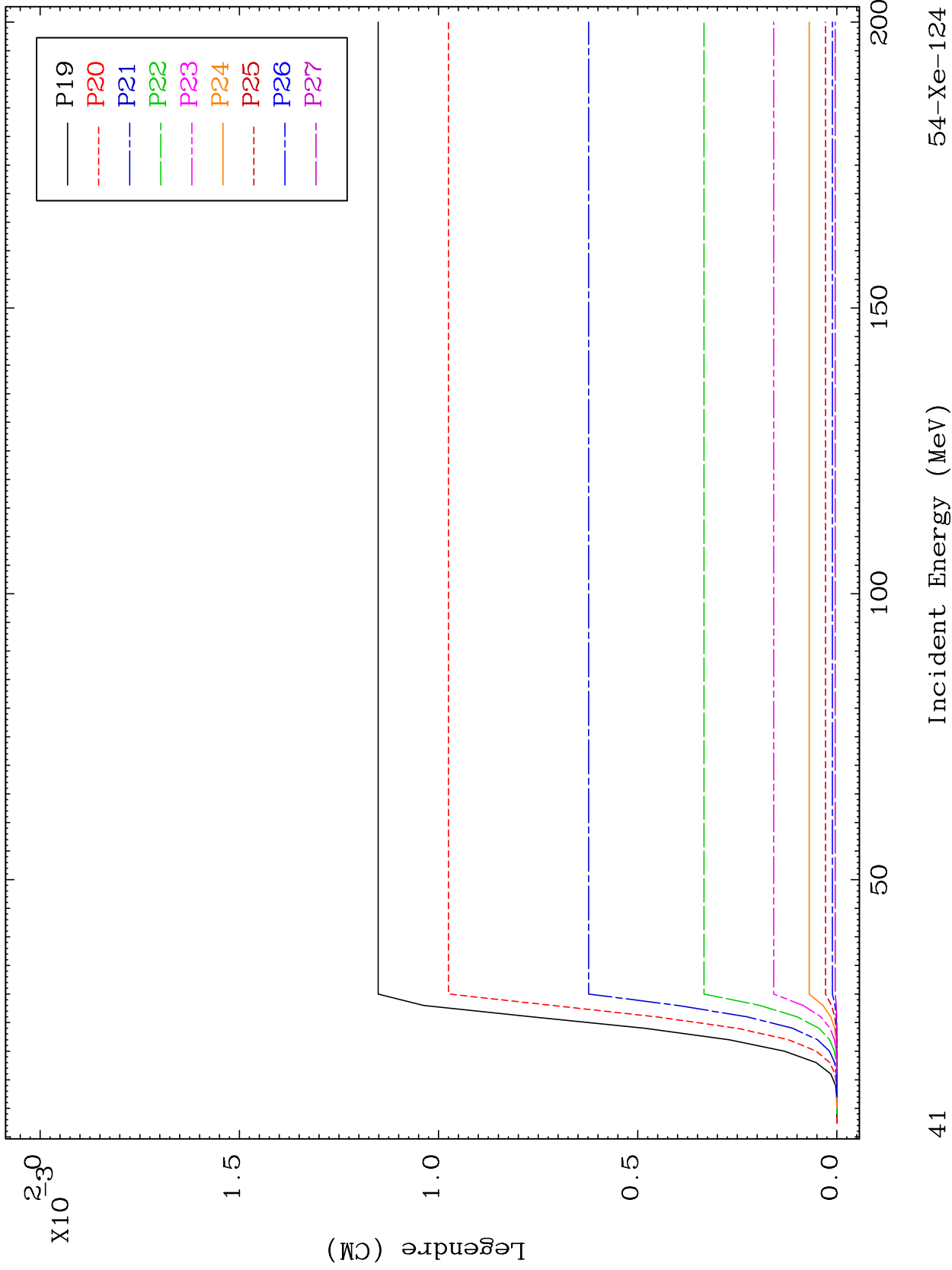
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MAT 5425

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

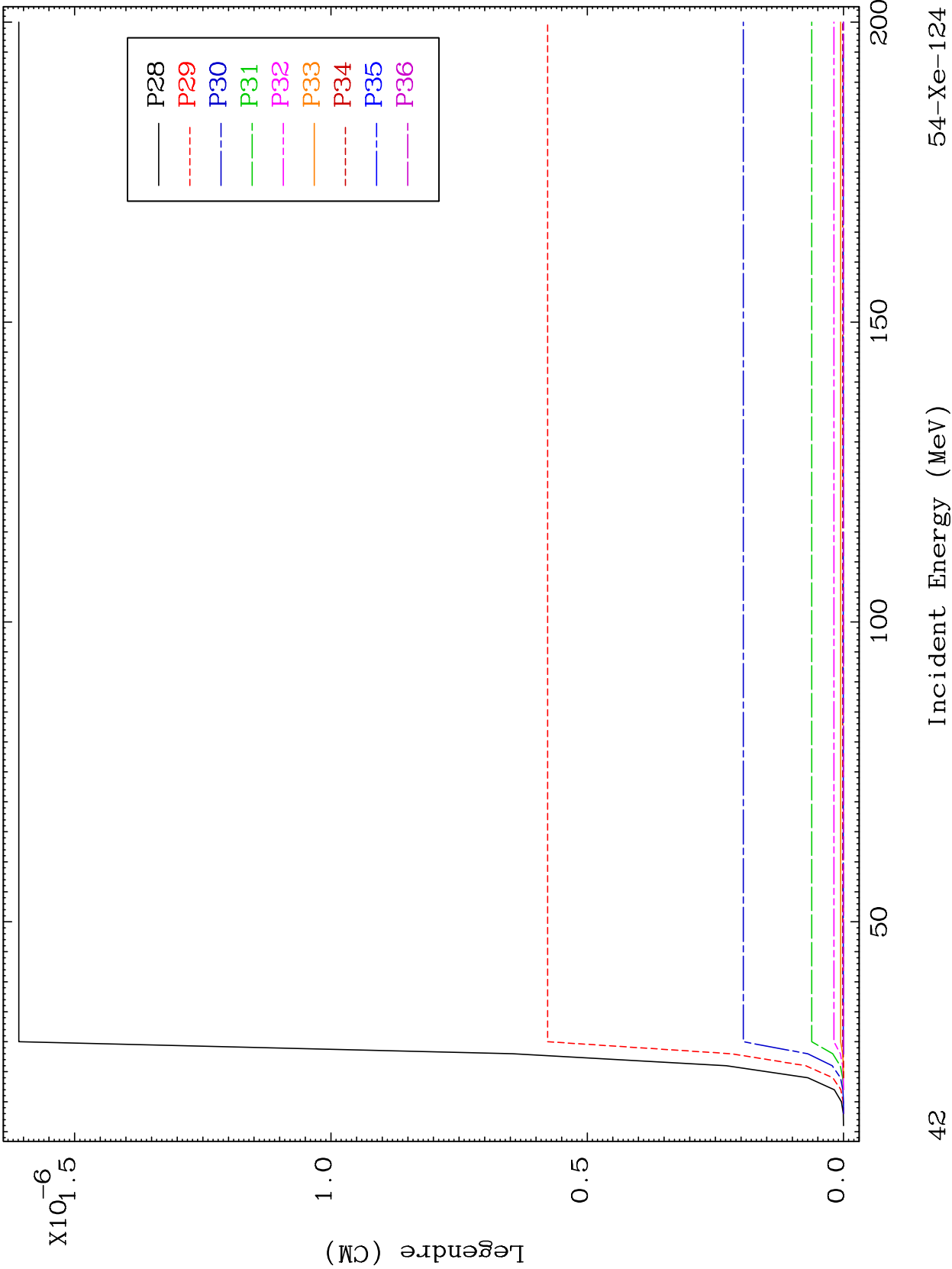
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MAT 5425

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

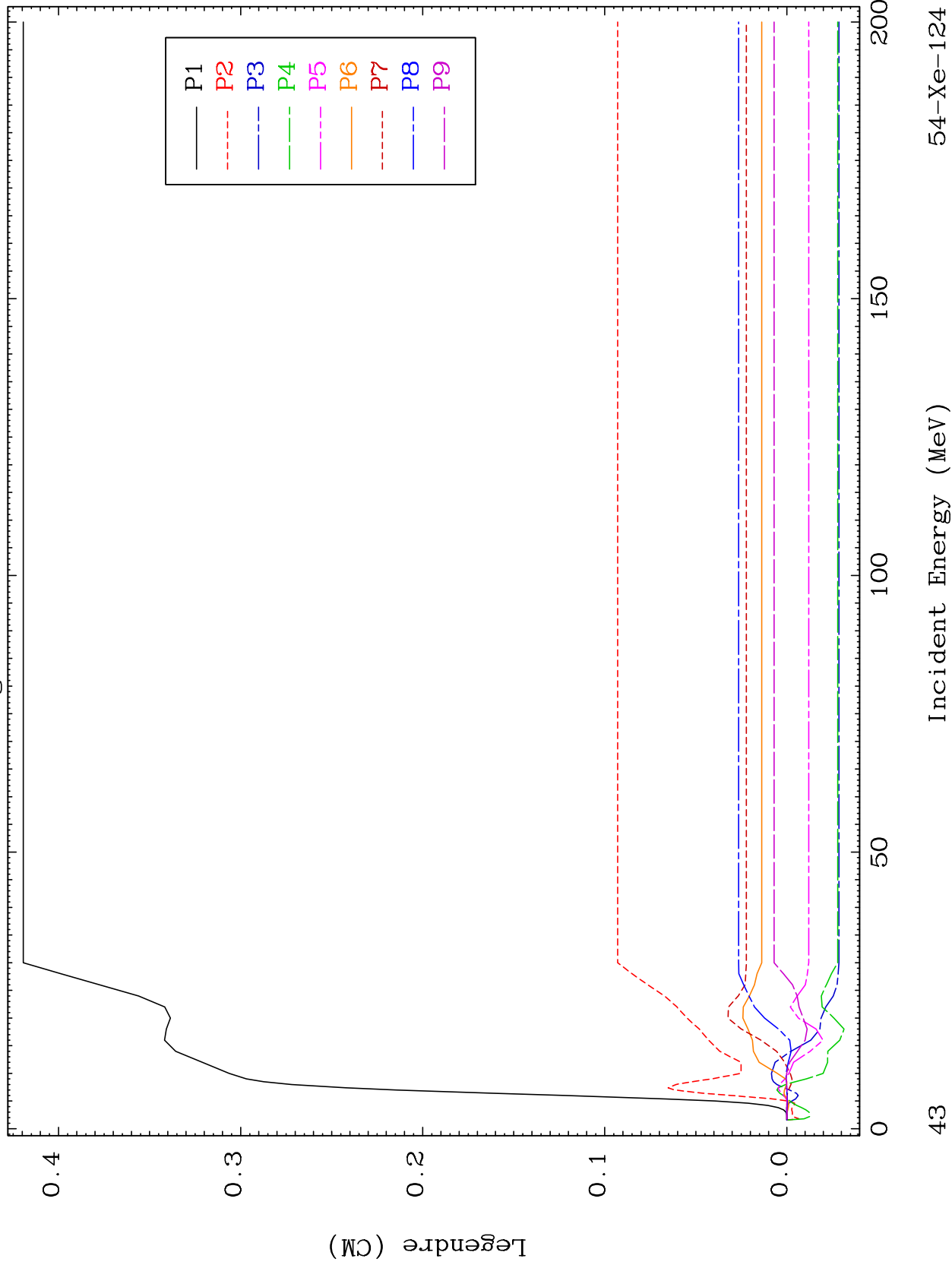
54-Xe-124



MAT 5425

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

54-Xe-124



54-Xe-124

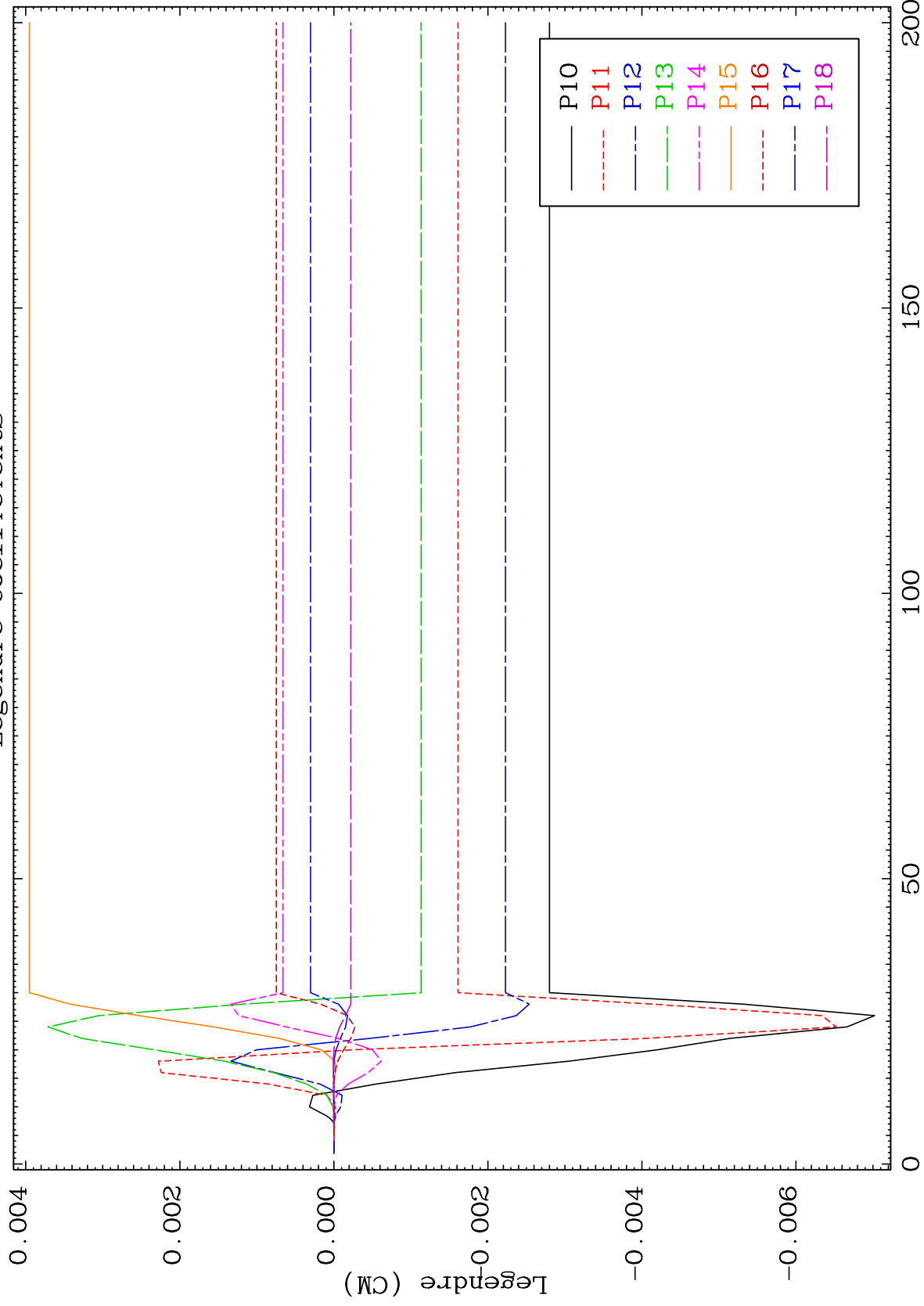
Incident Energy (MeV)

43

MAT 5425

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

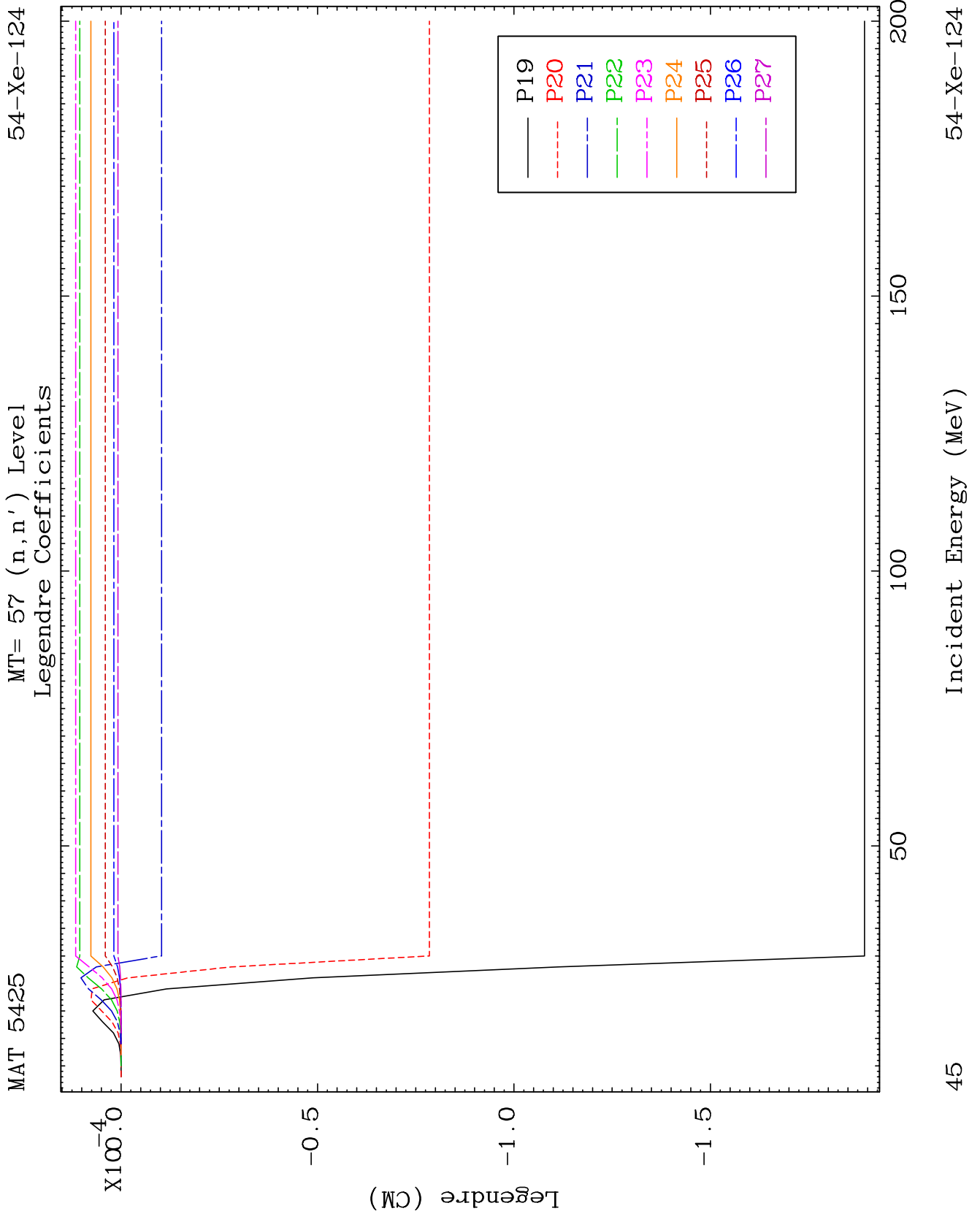
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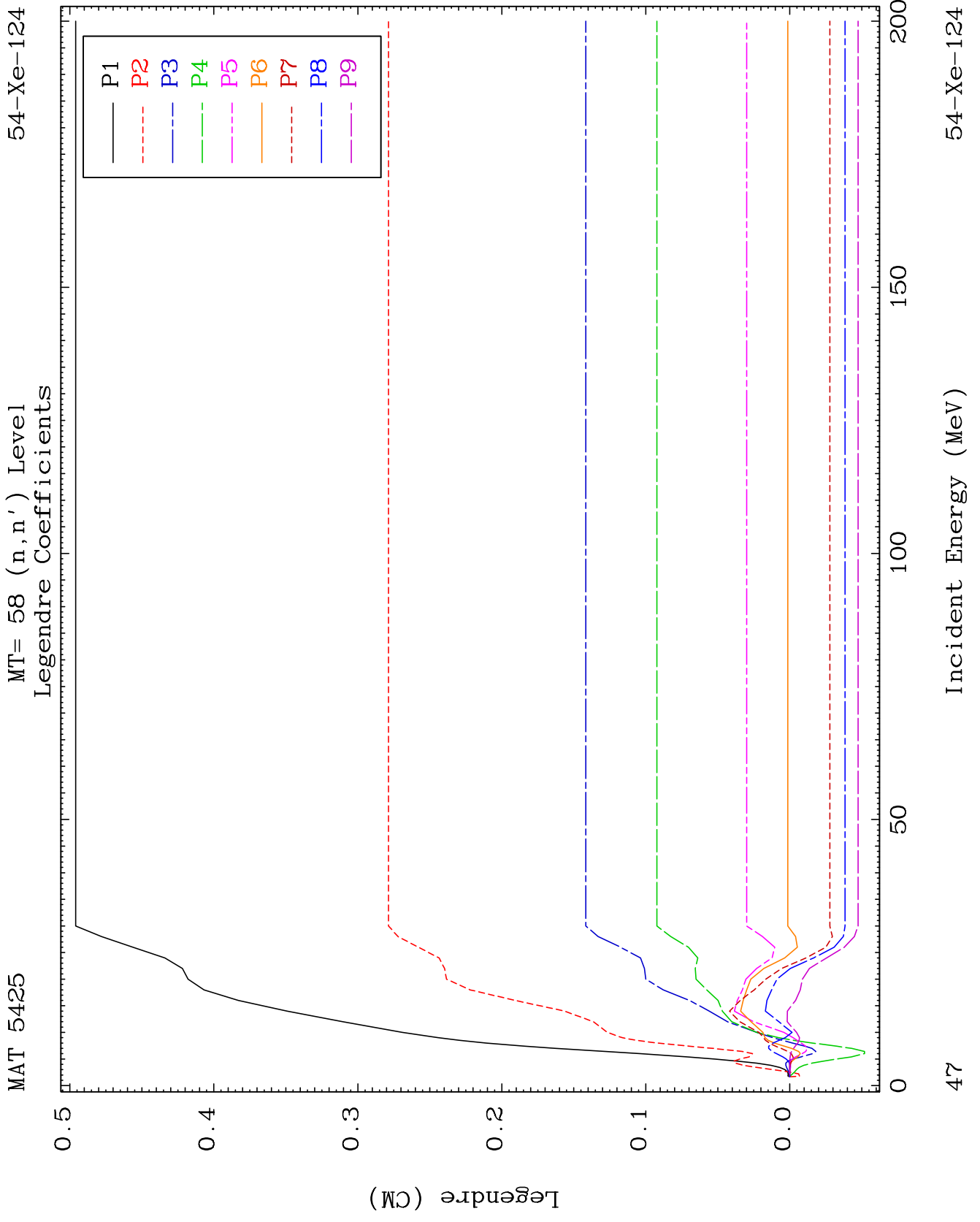
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Incident Energy (MeV)

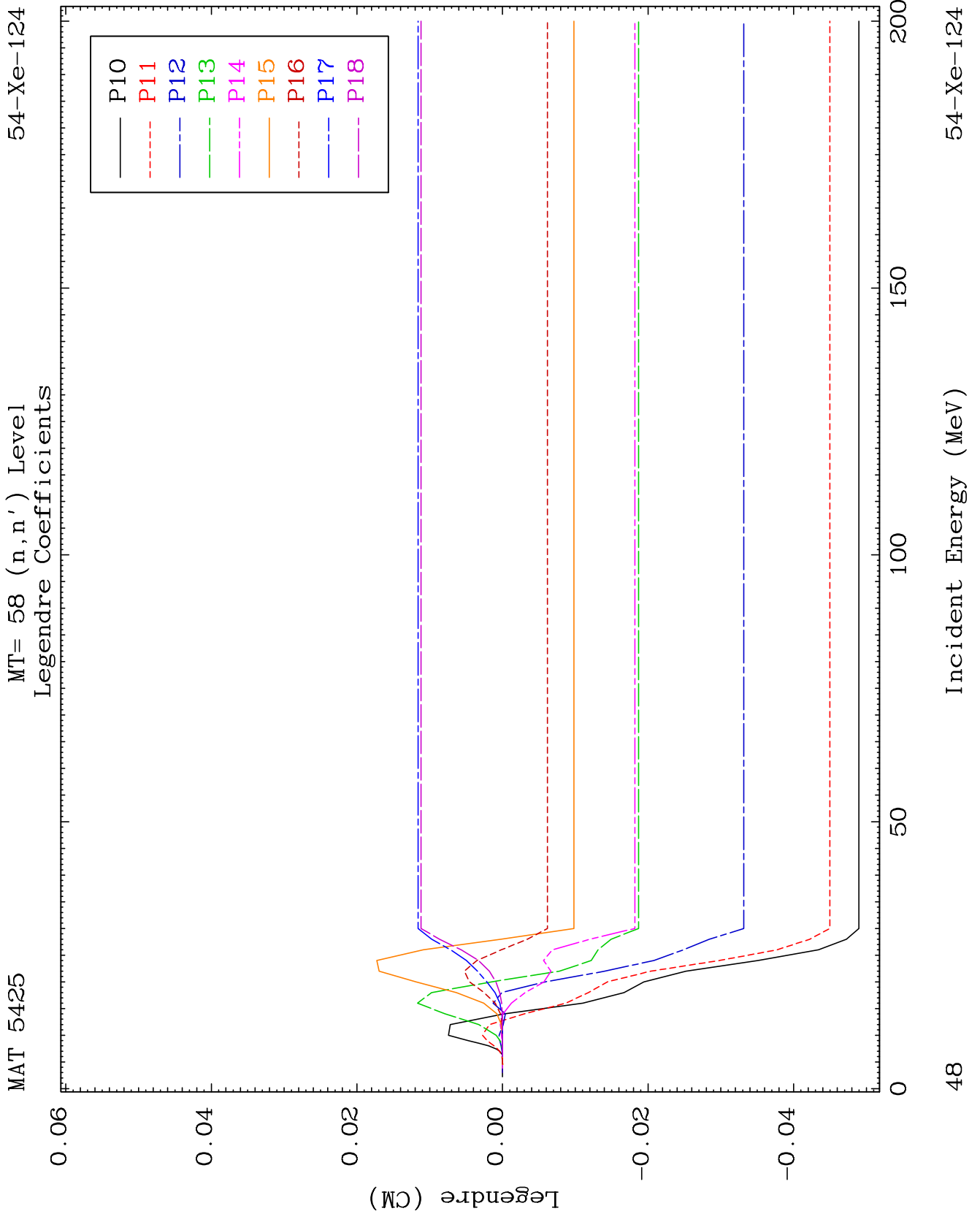
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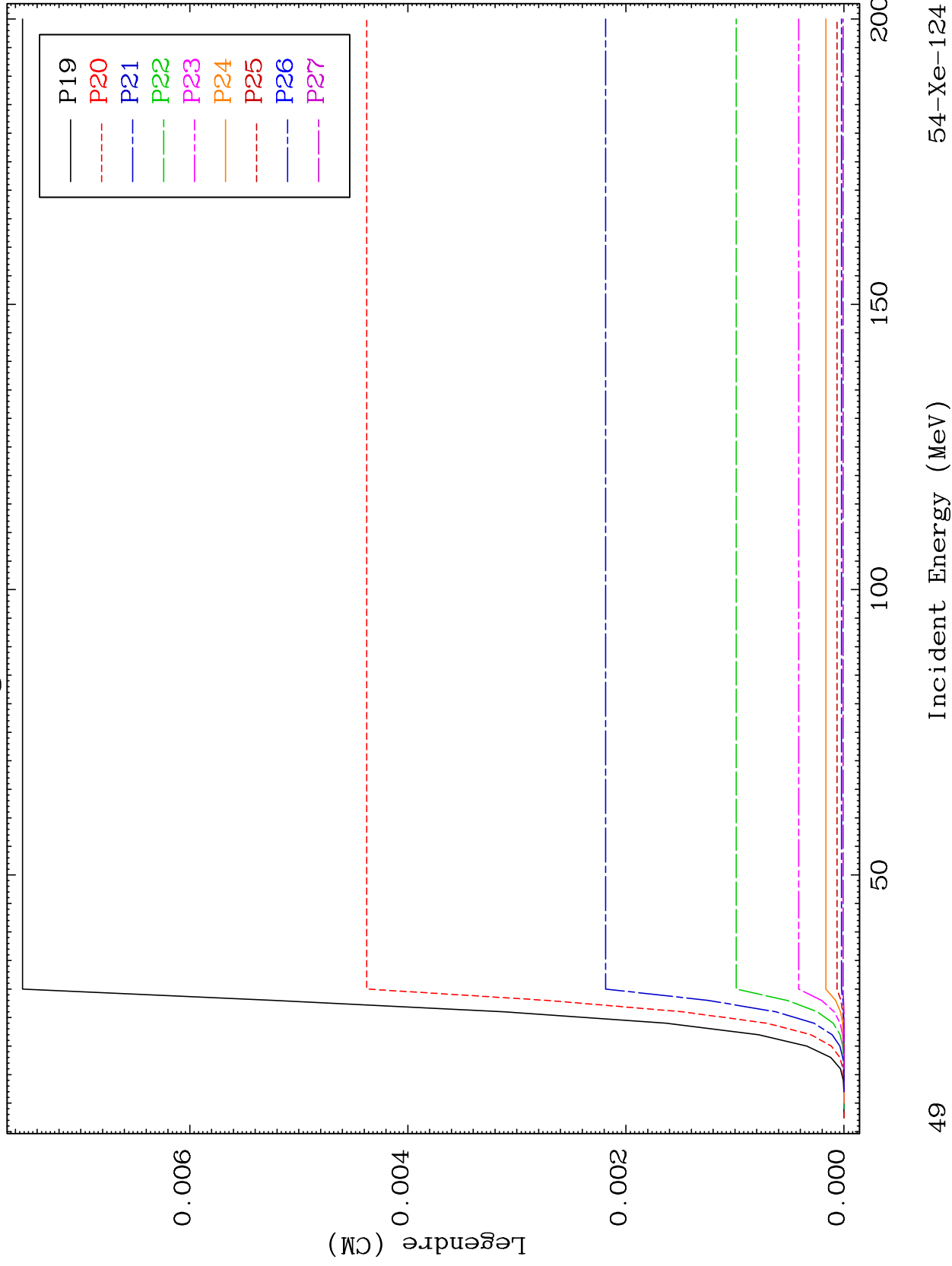




MAT 5425

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

54-Xe-124



49

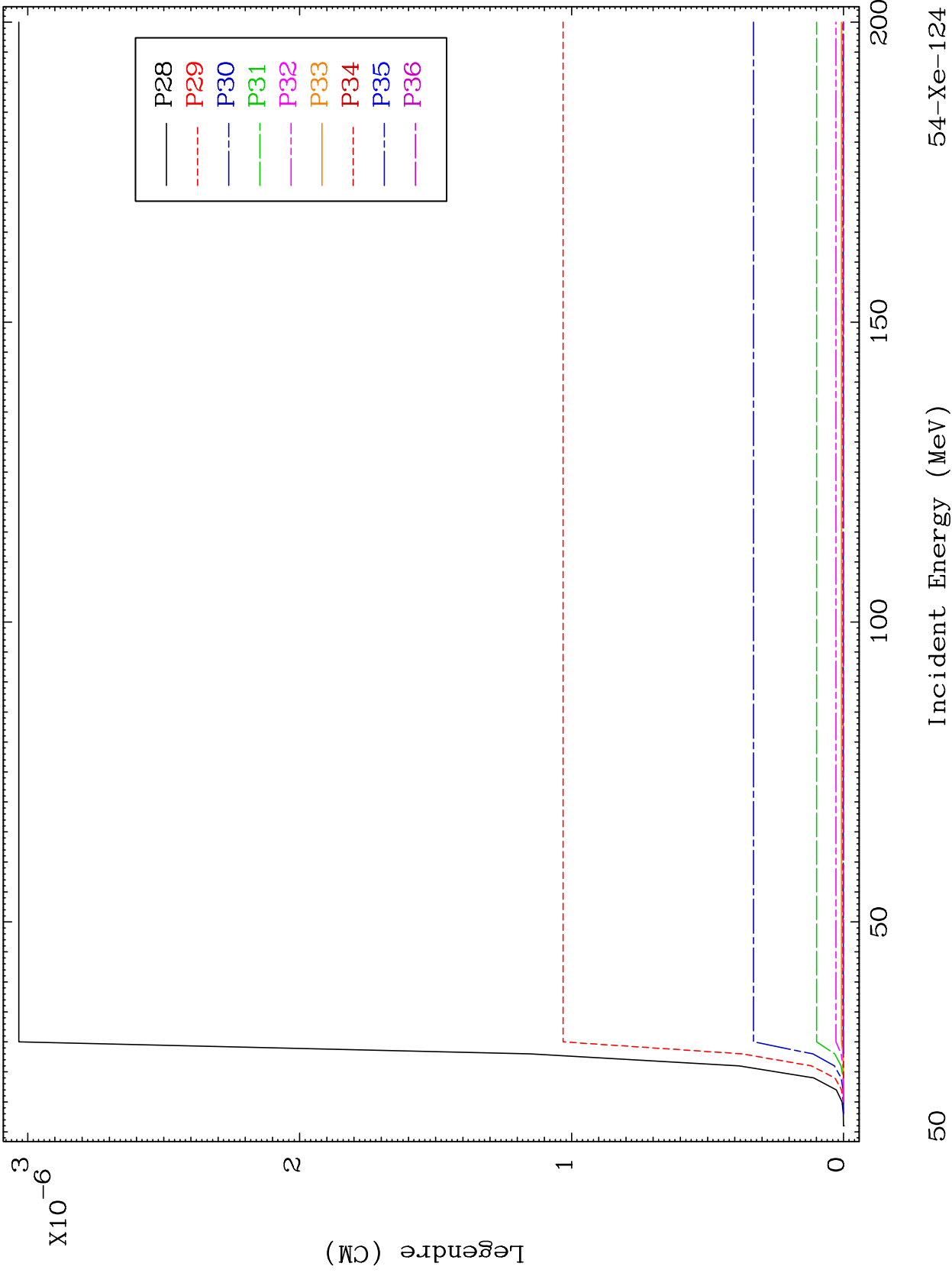
Incident Energy (MeV)

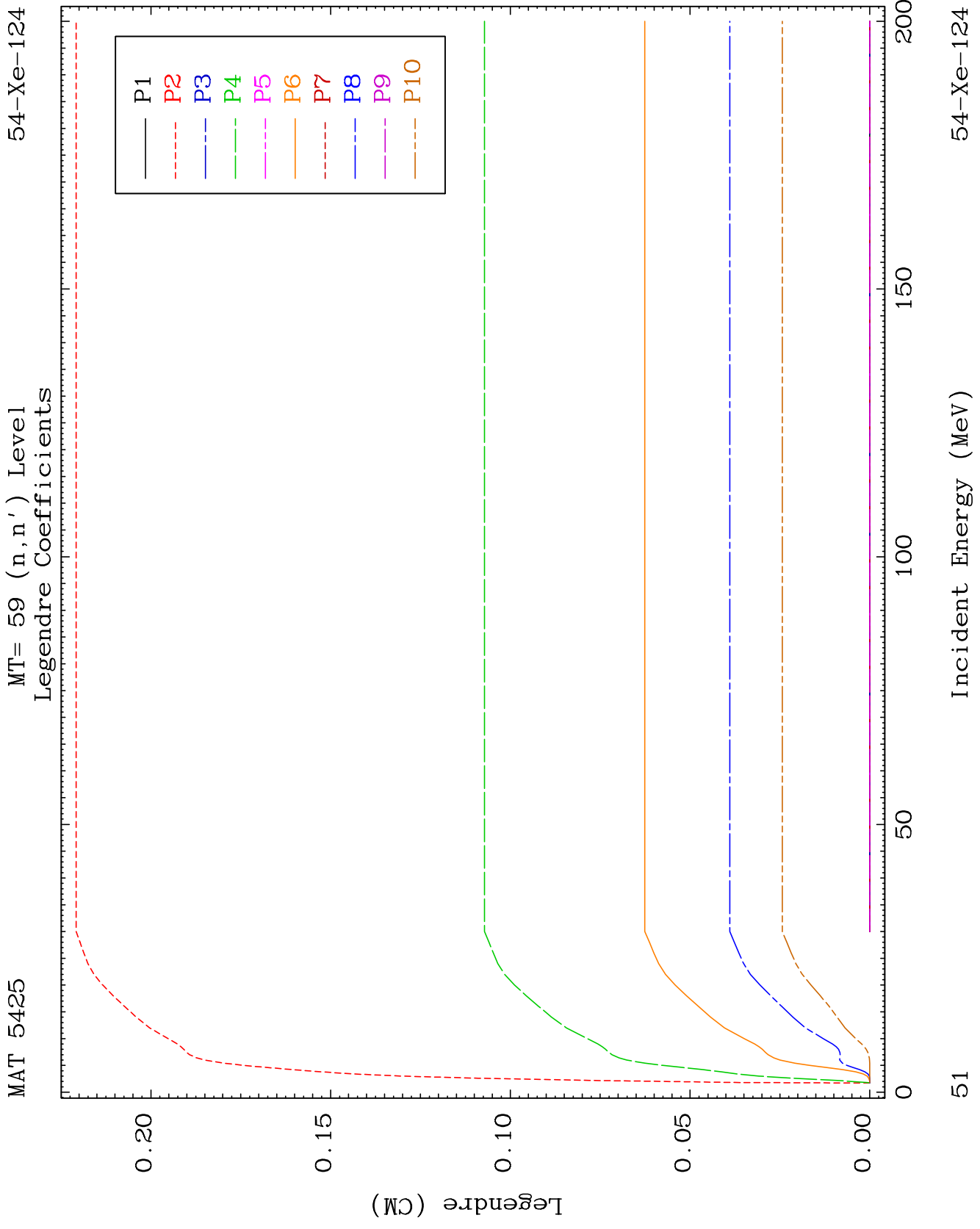
54-Xe-124

MAT 5425

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

54-Xe-124

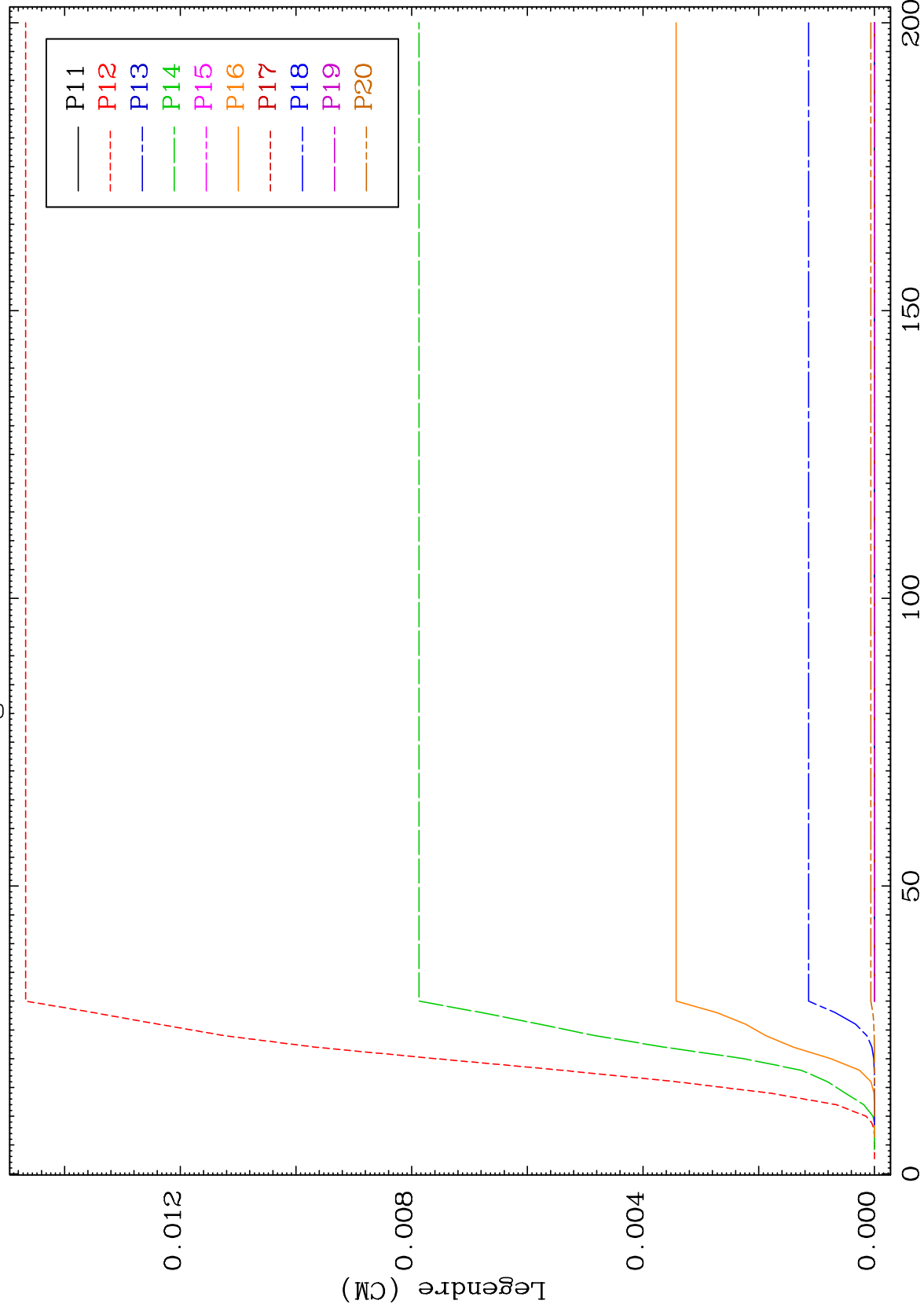




MAT 5425

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

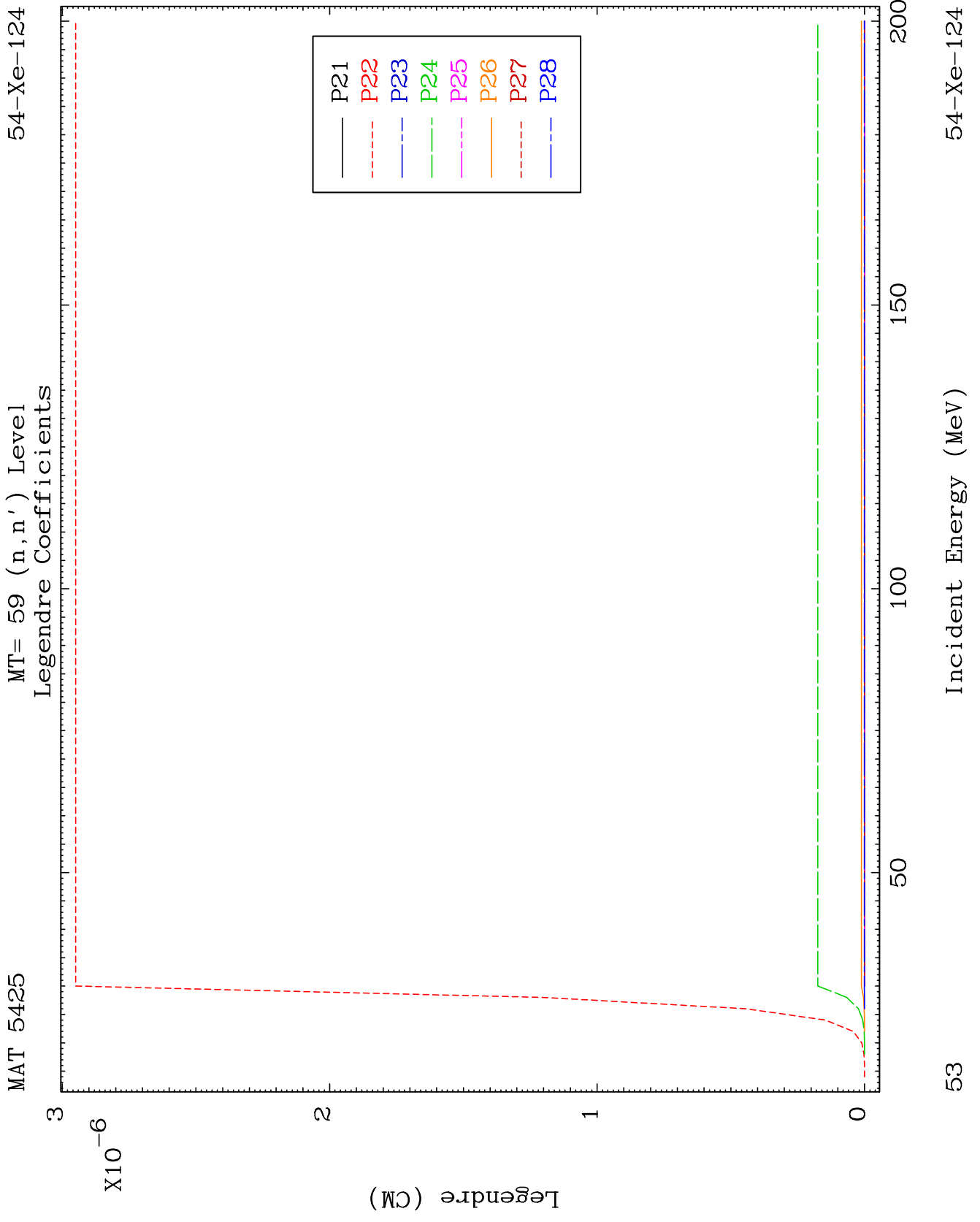
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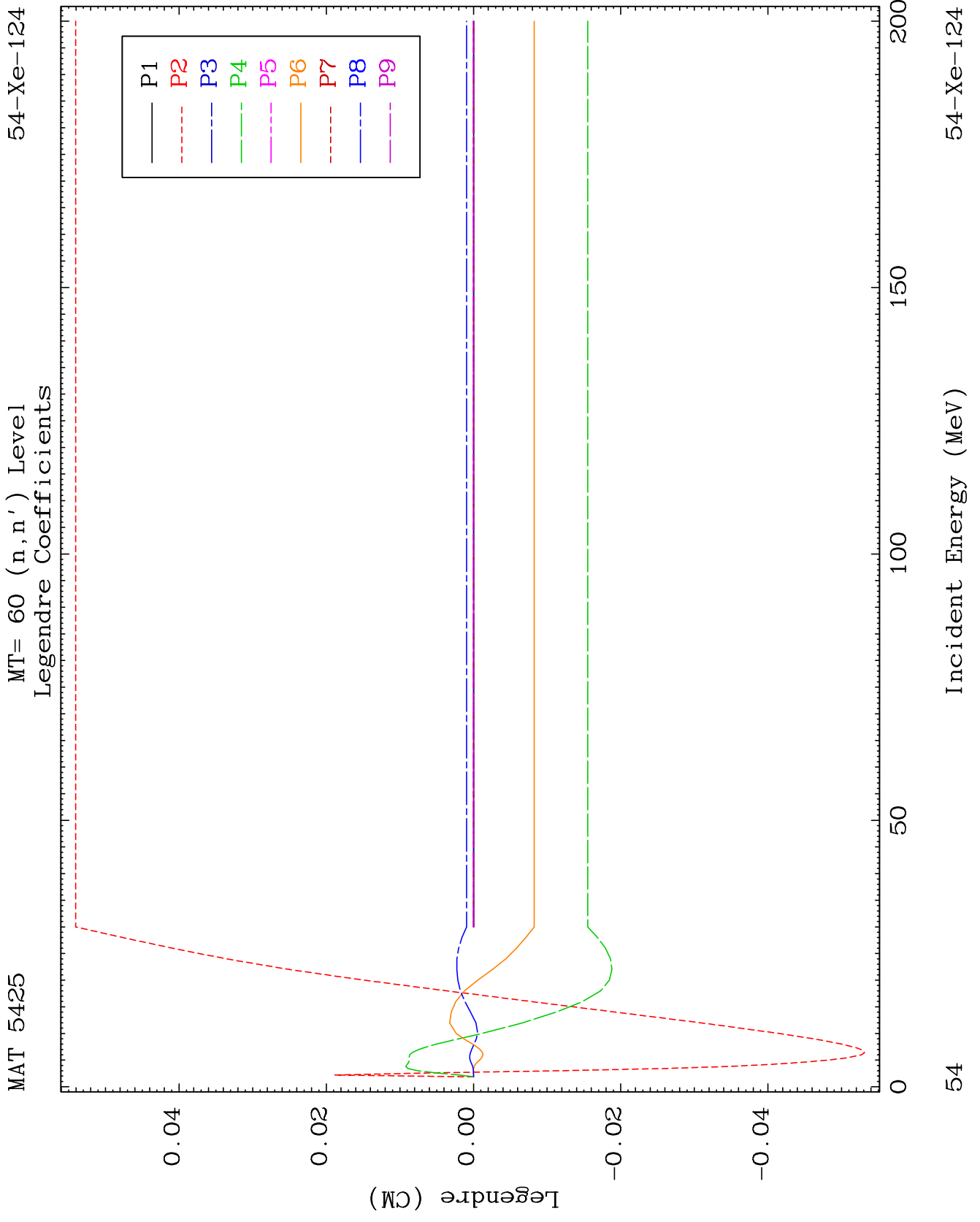


54-Xe-124

Incident Energy (MeV)

52

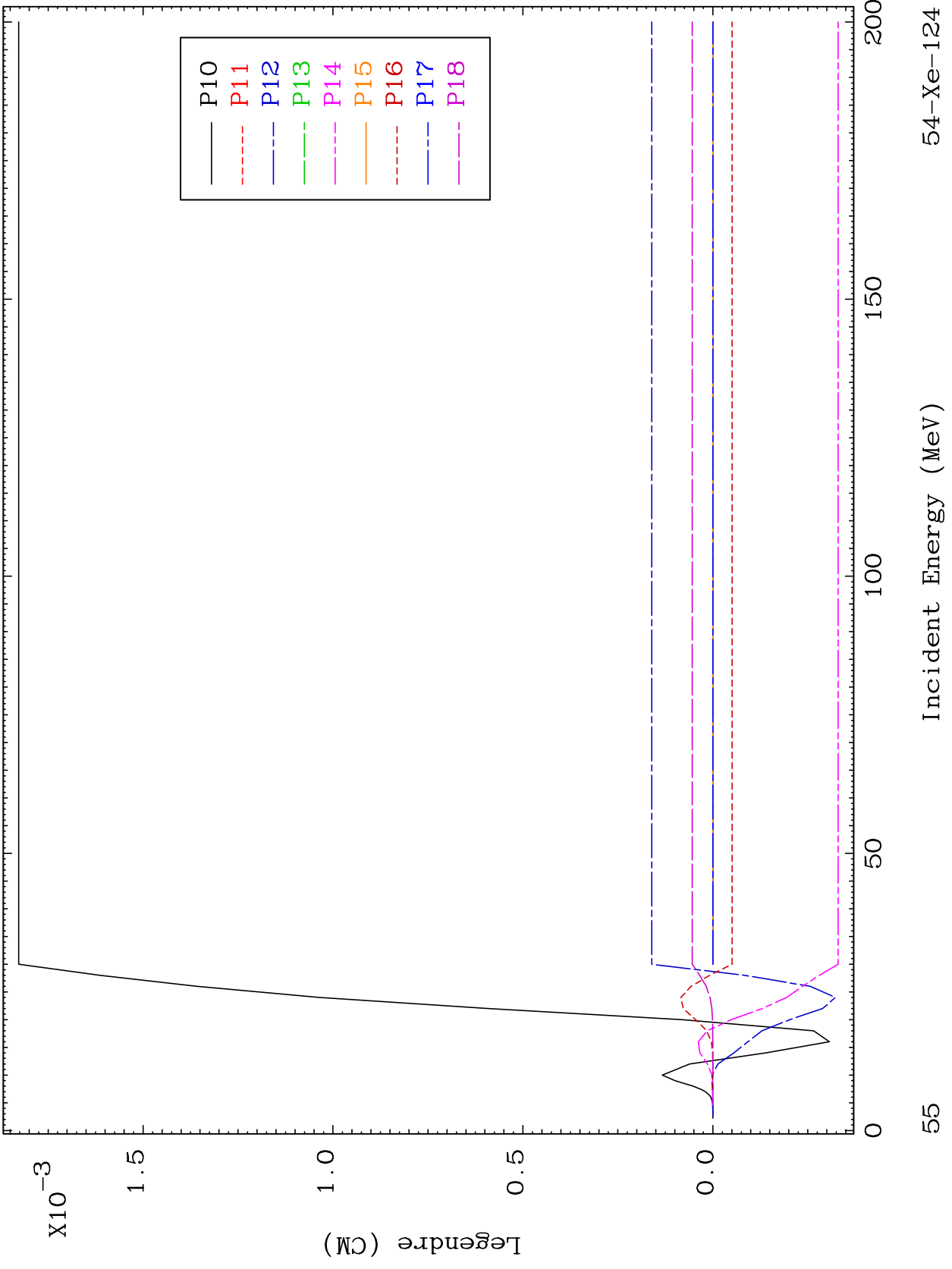




MAT 5425

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

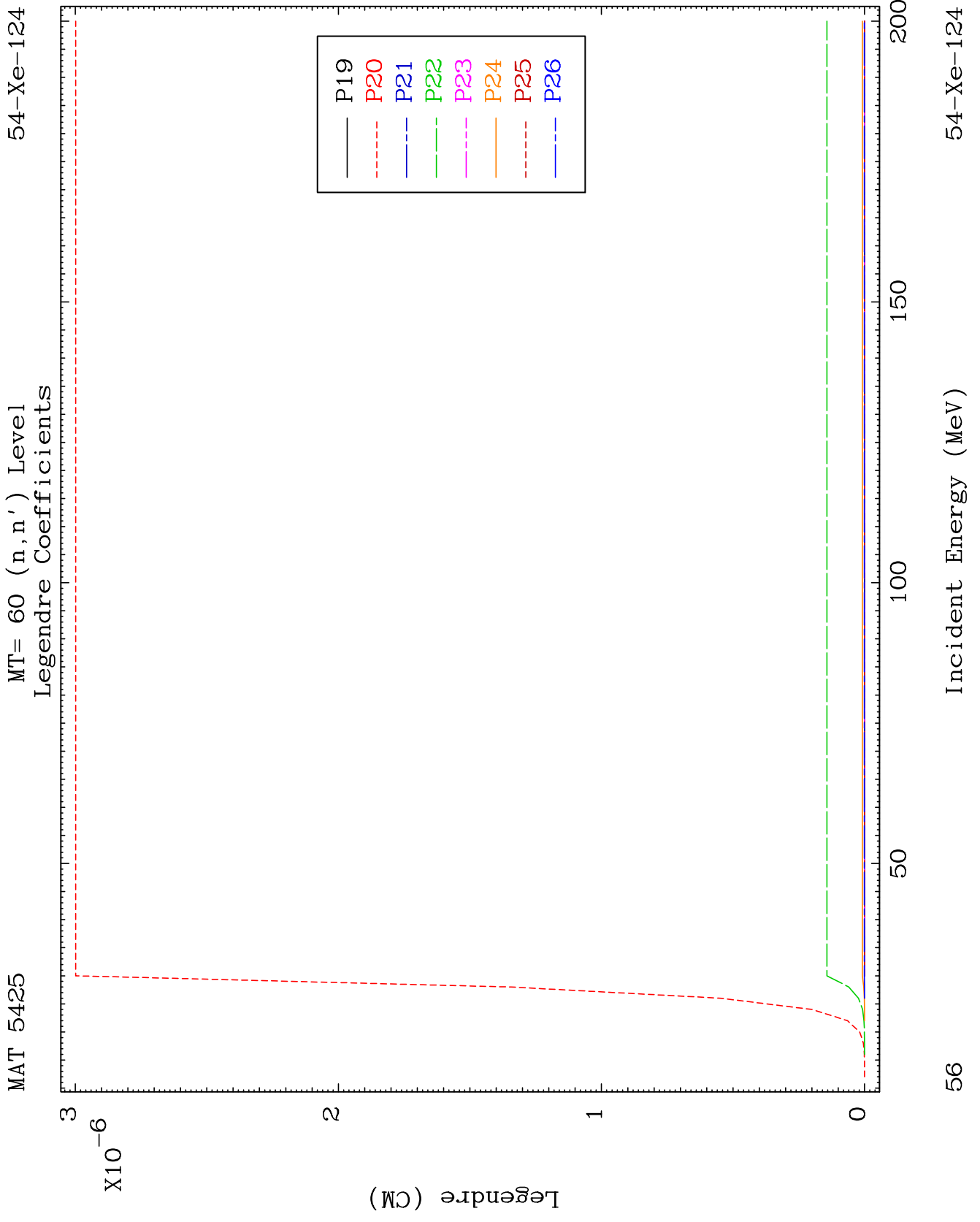
54-Xe-124



55

54-Xe-124

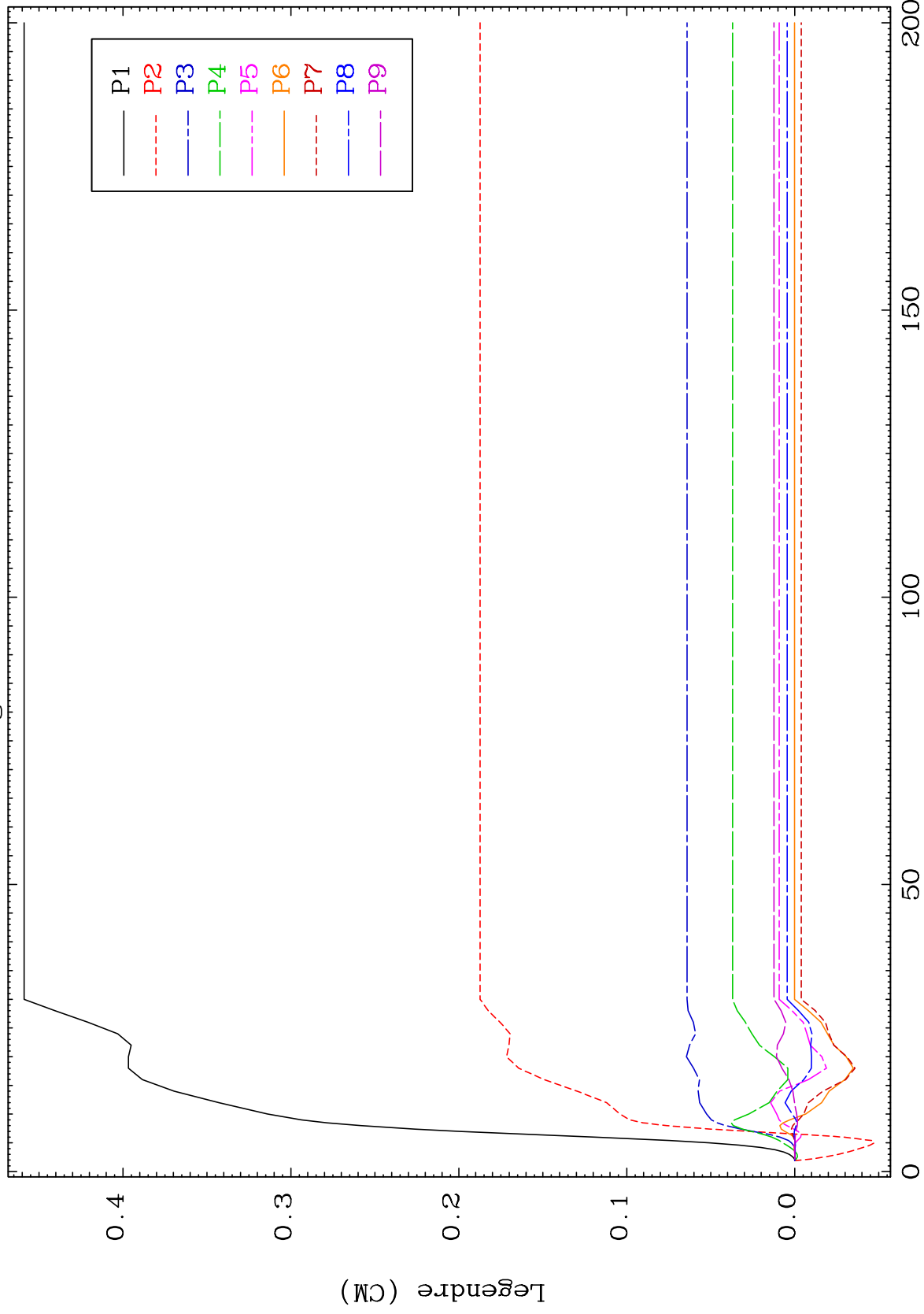




MAT 5425

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

54-Xe-124



57

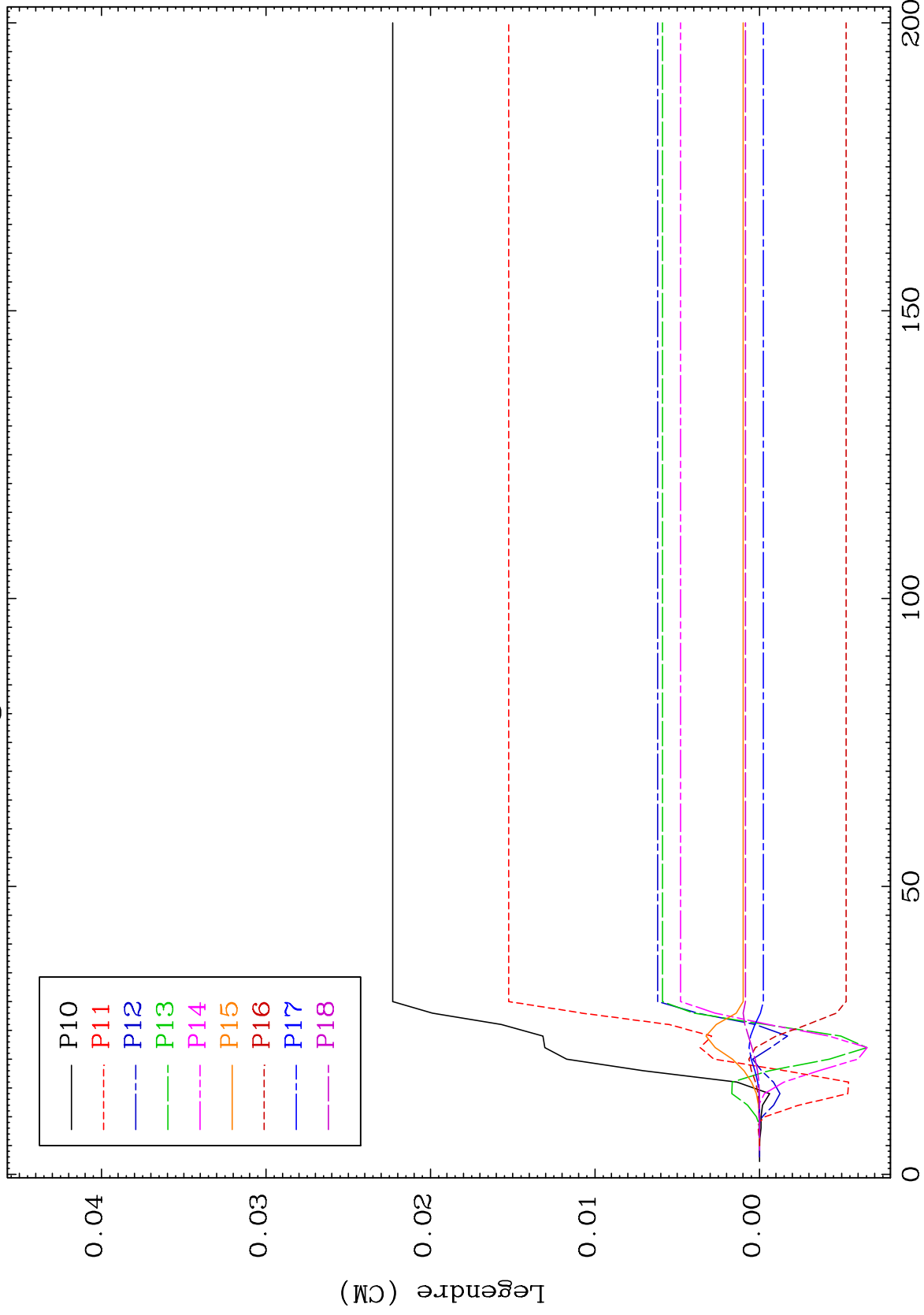
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



54-Xe-124

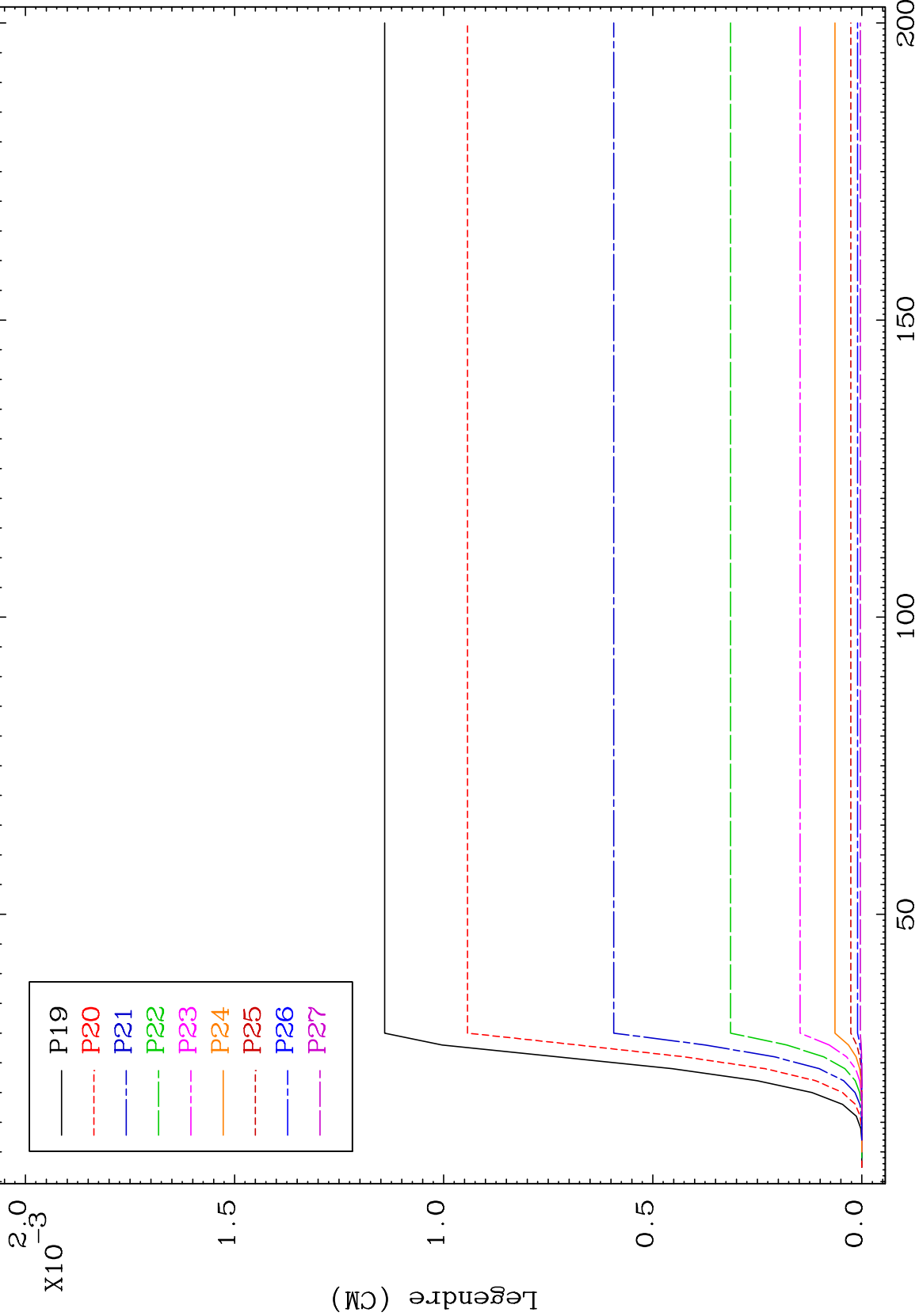
Incident Energy (MeV)

58

MAT 5425

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

54-Xe-124



59

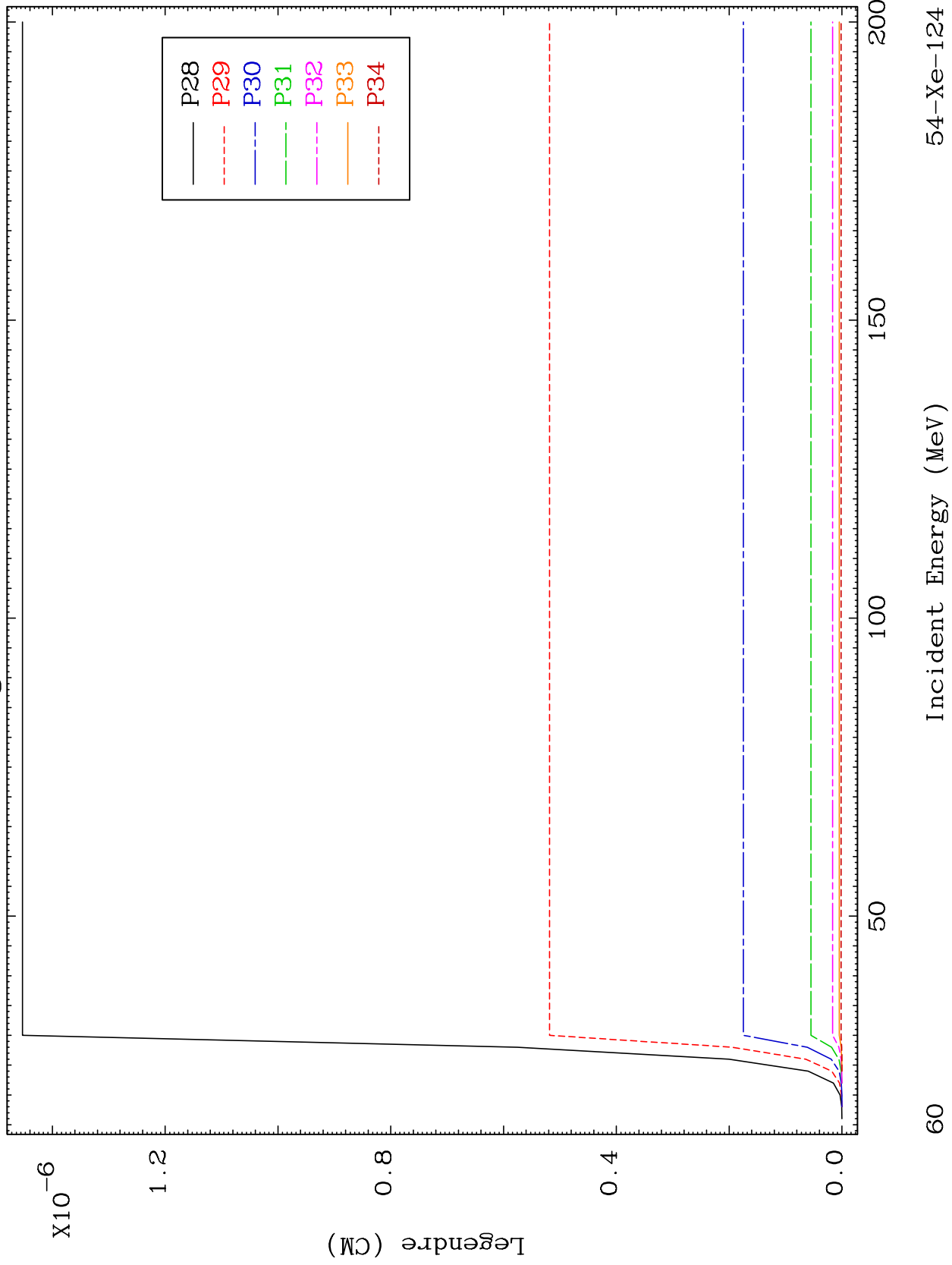
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

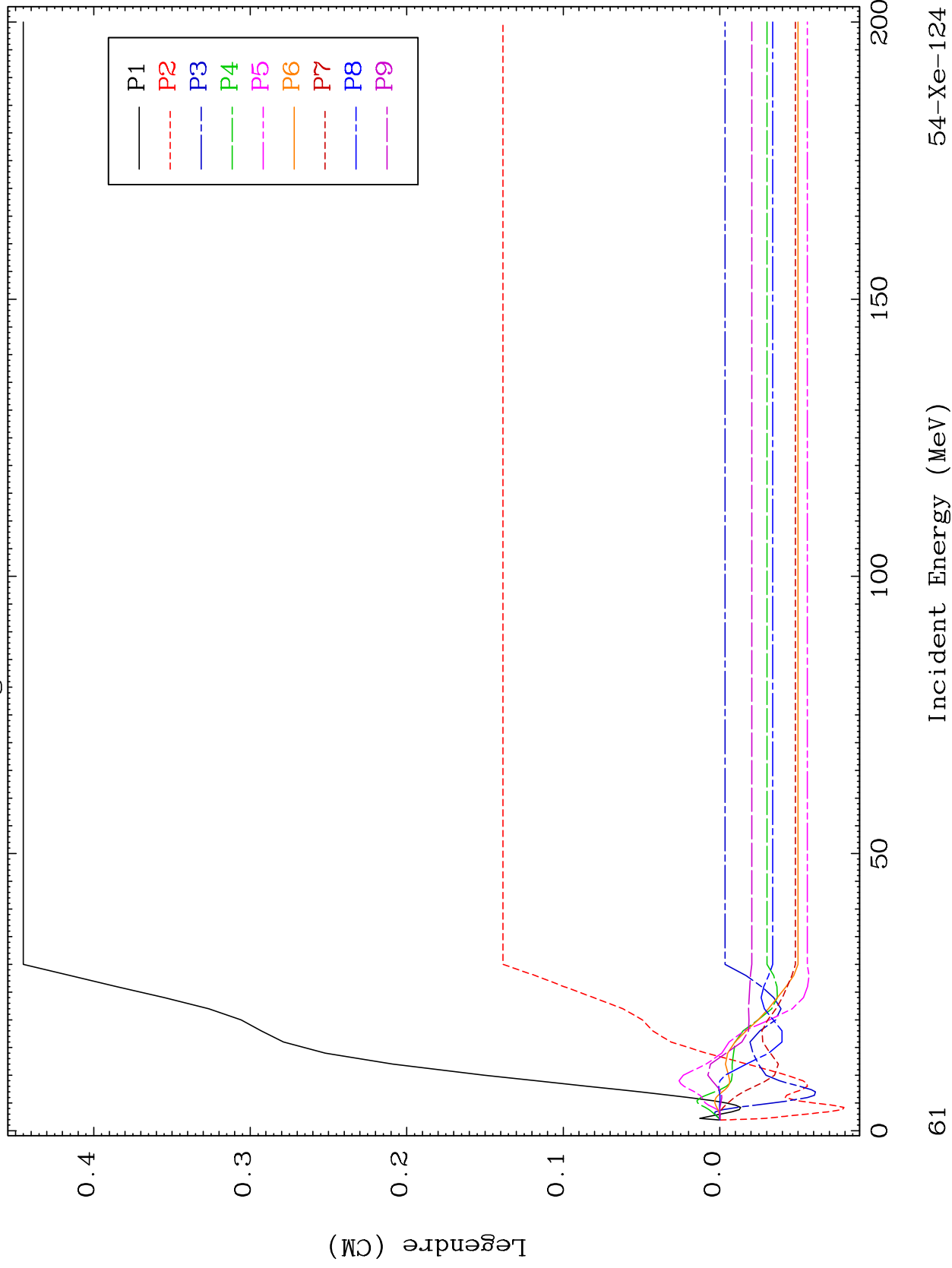
54-Xe-124



MAT 5425

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

54-Xe-124



54-Xe-124

Incident Energy (MeV)

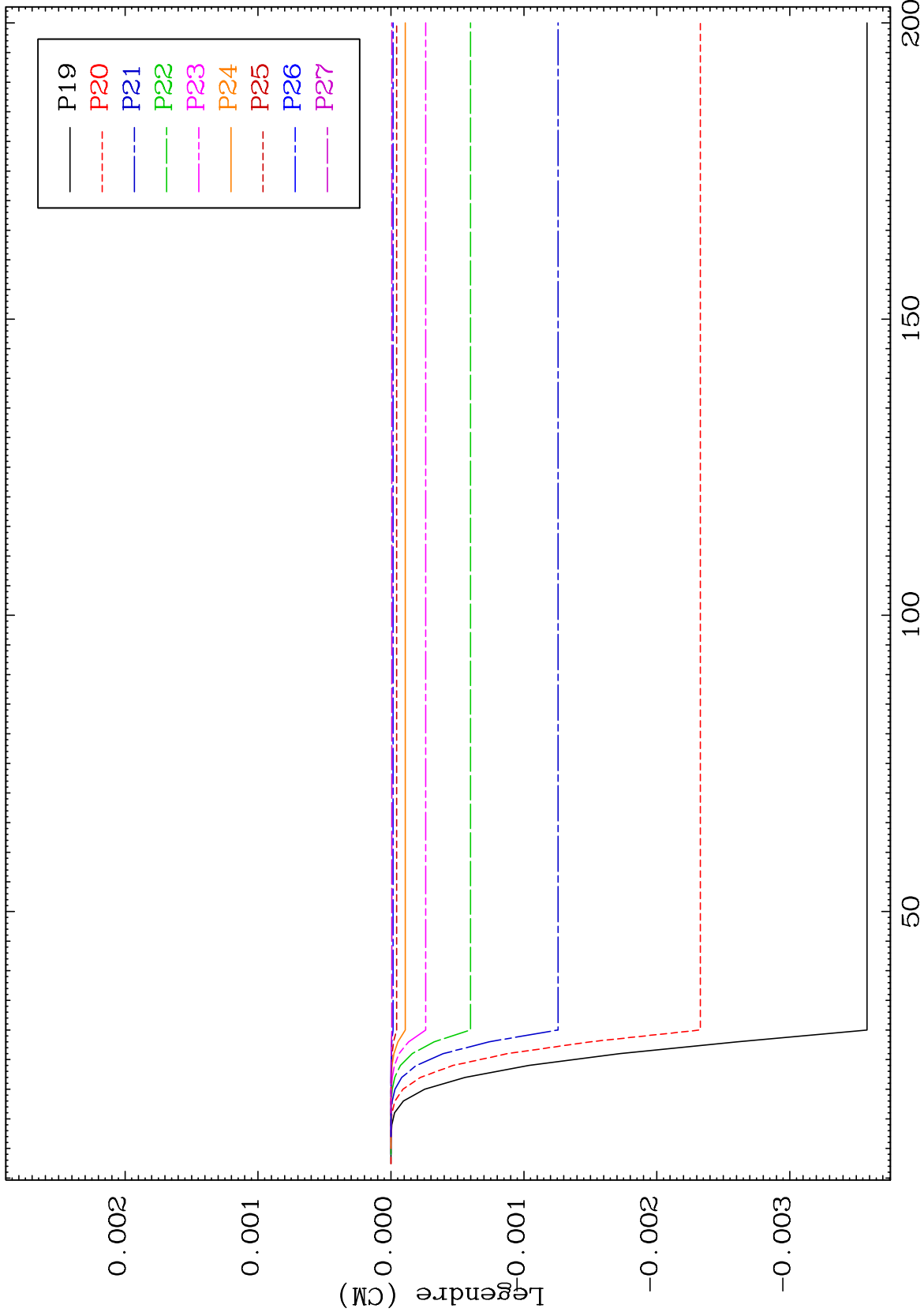
61



MAT 5425

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

54-Xe-124

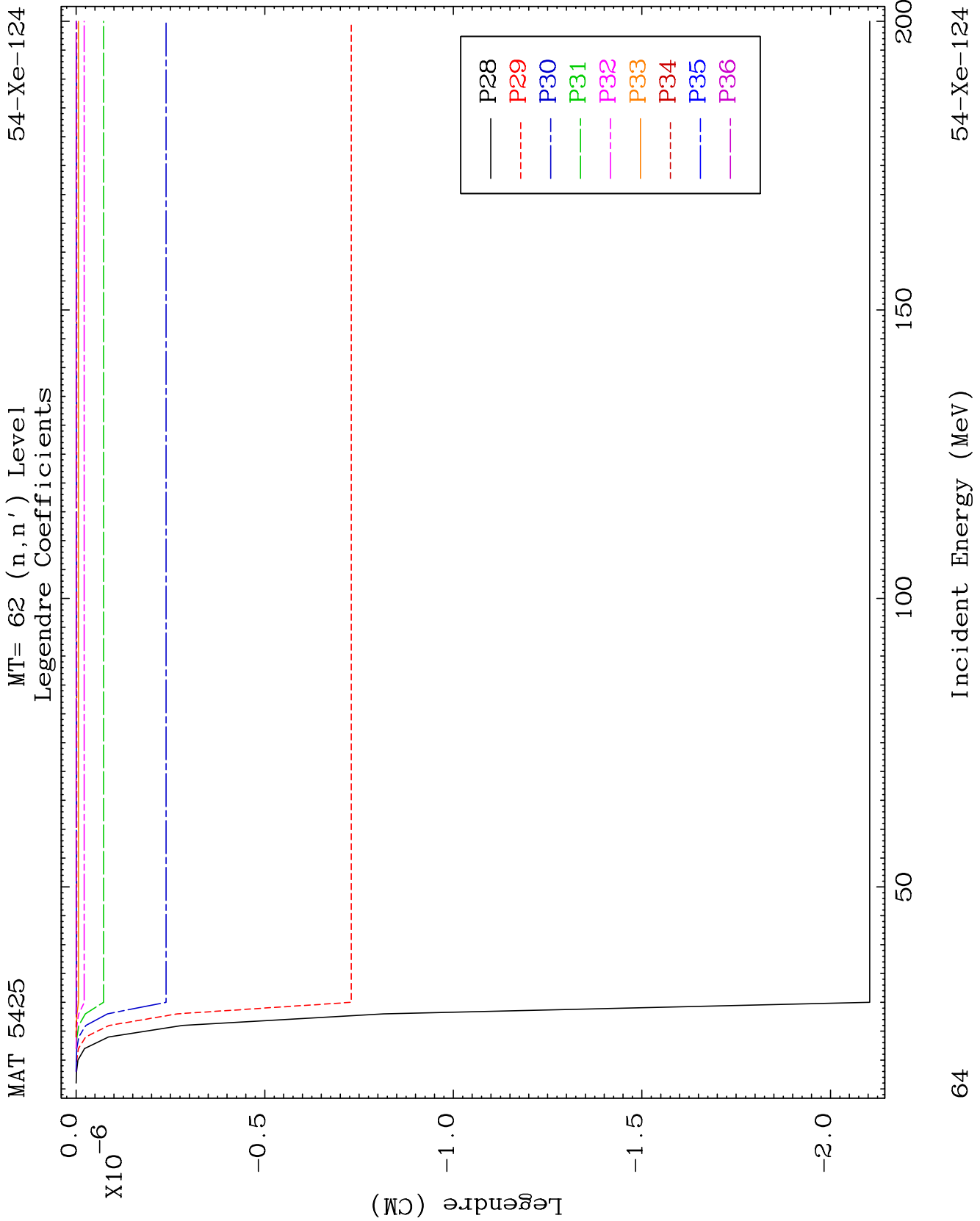


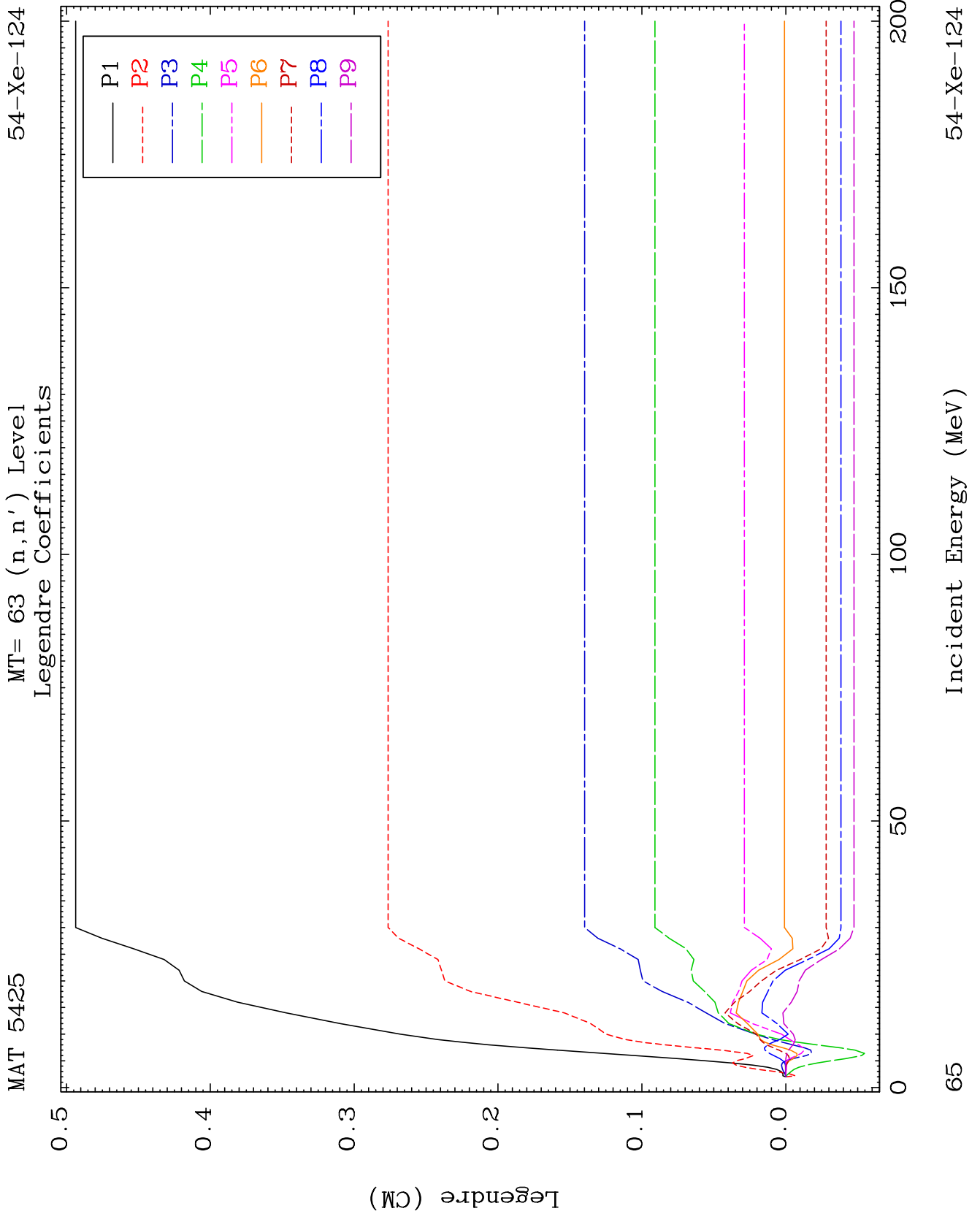
63

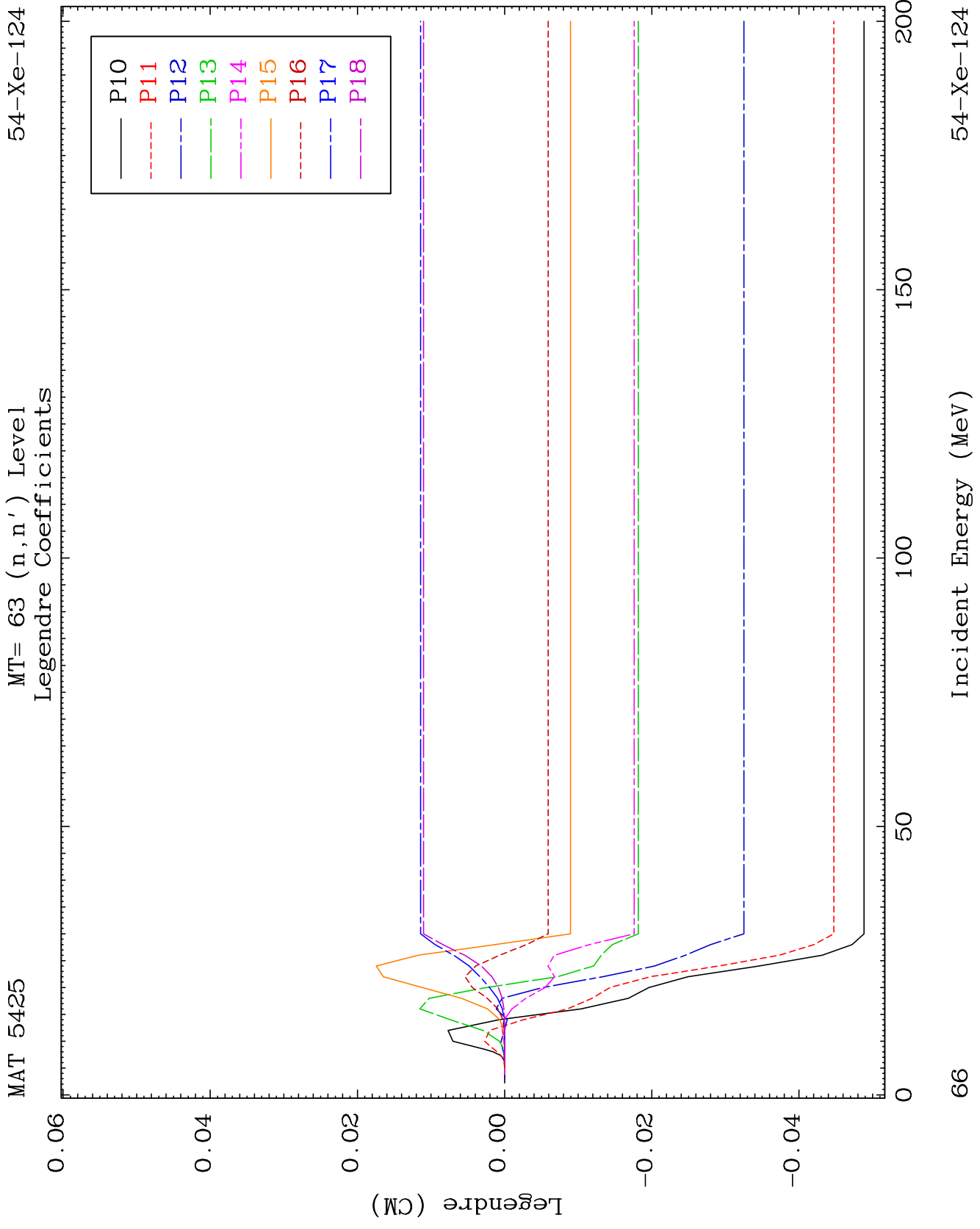
Incident Energy (MeV)

54-Xe-124





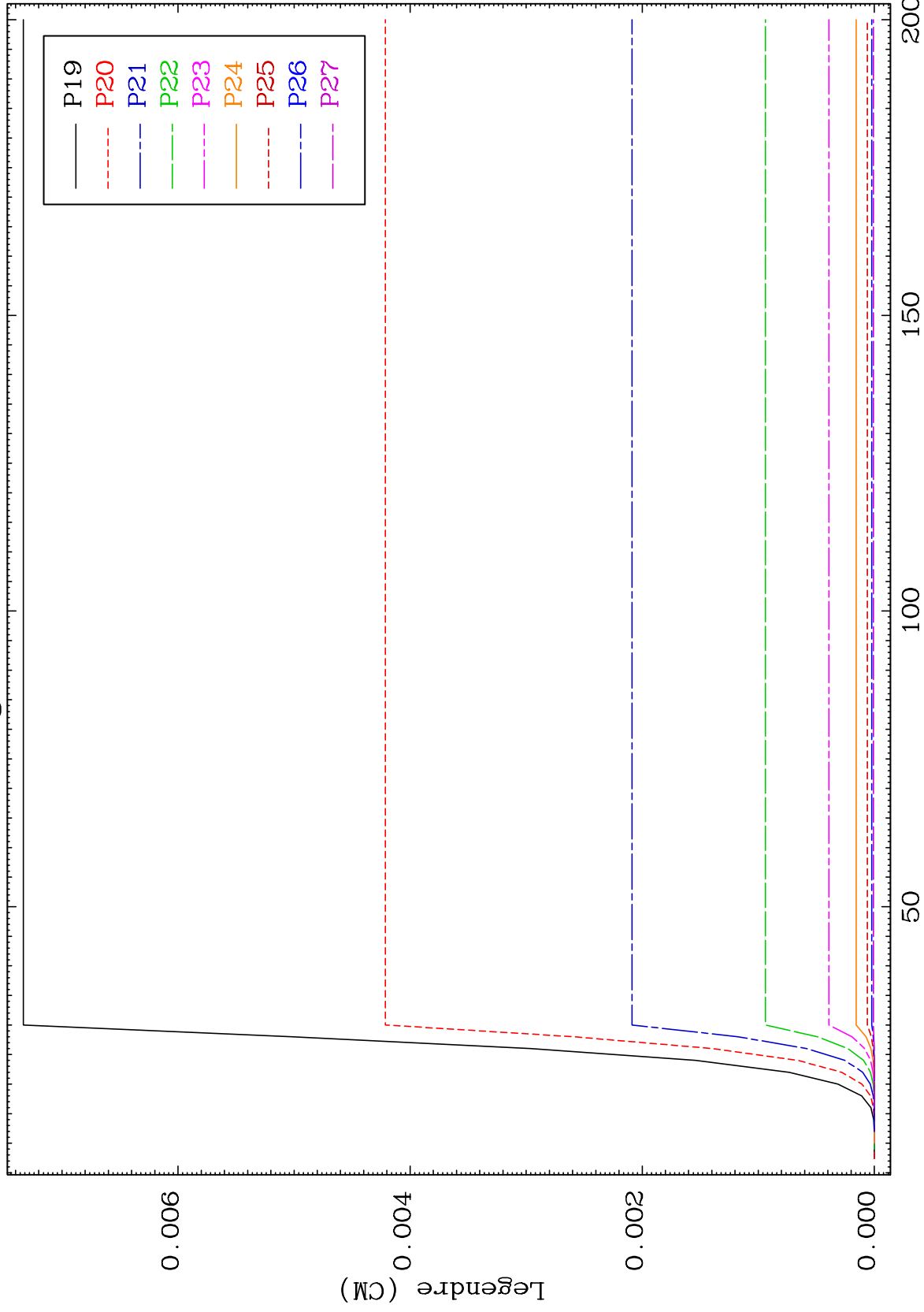




MAT 5425

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

54-Xe-124



67

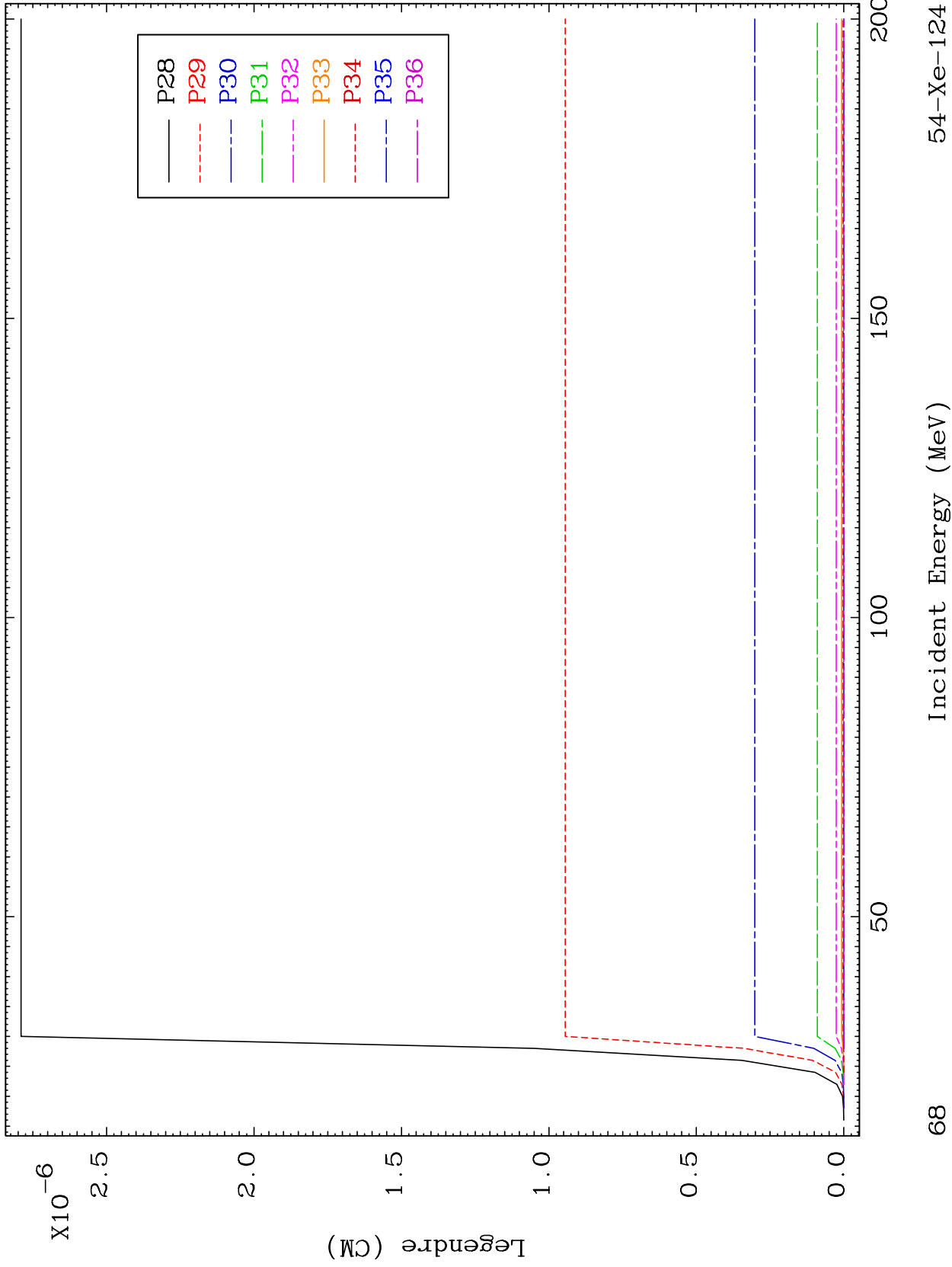
Incident Energy (MeV)

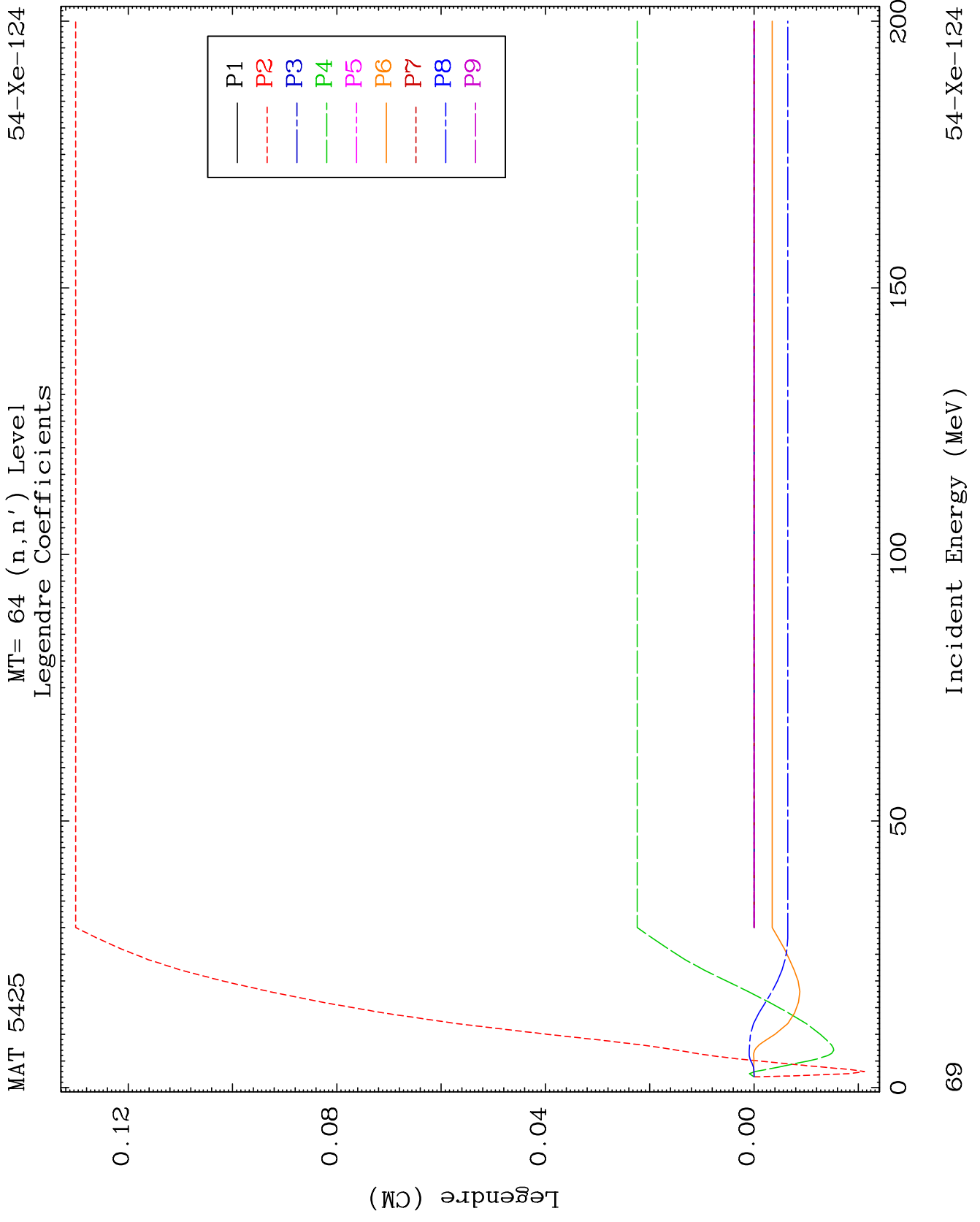
54-Xe-124

MAT 5425

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

54-Xe-124

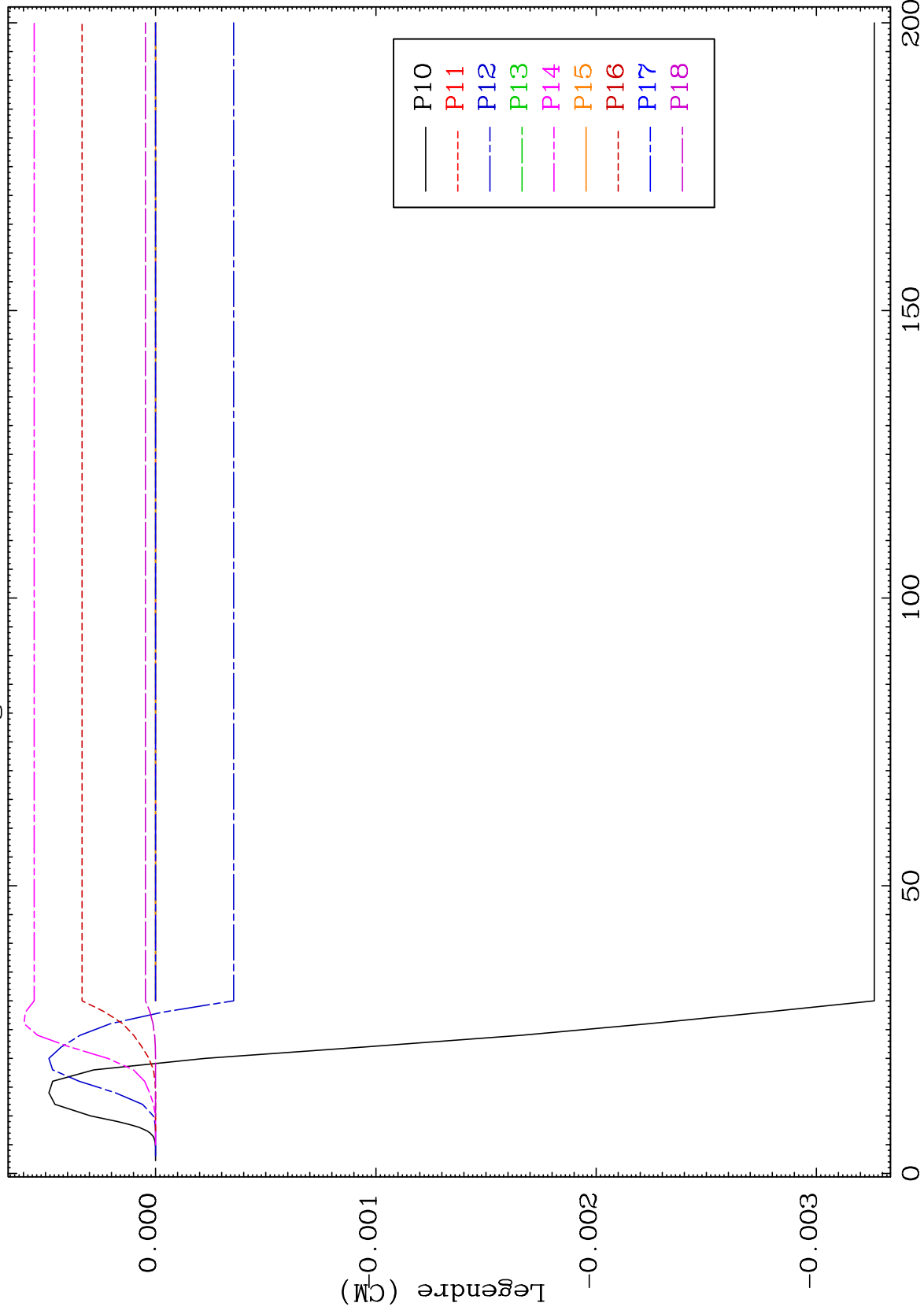




MAT 5425

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

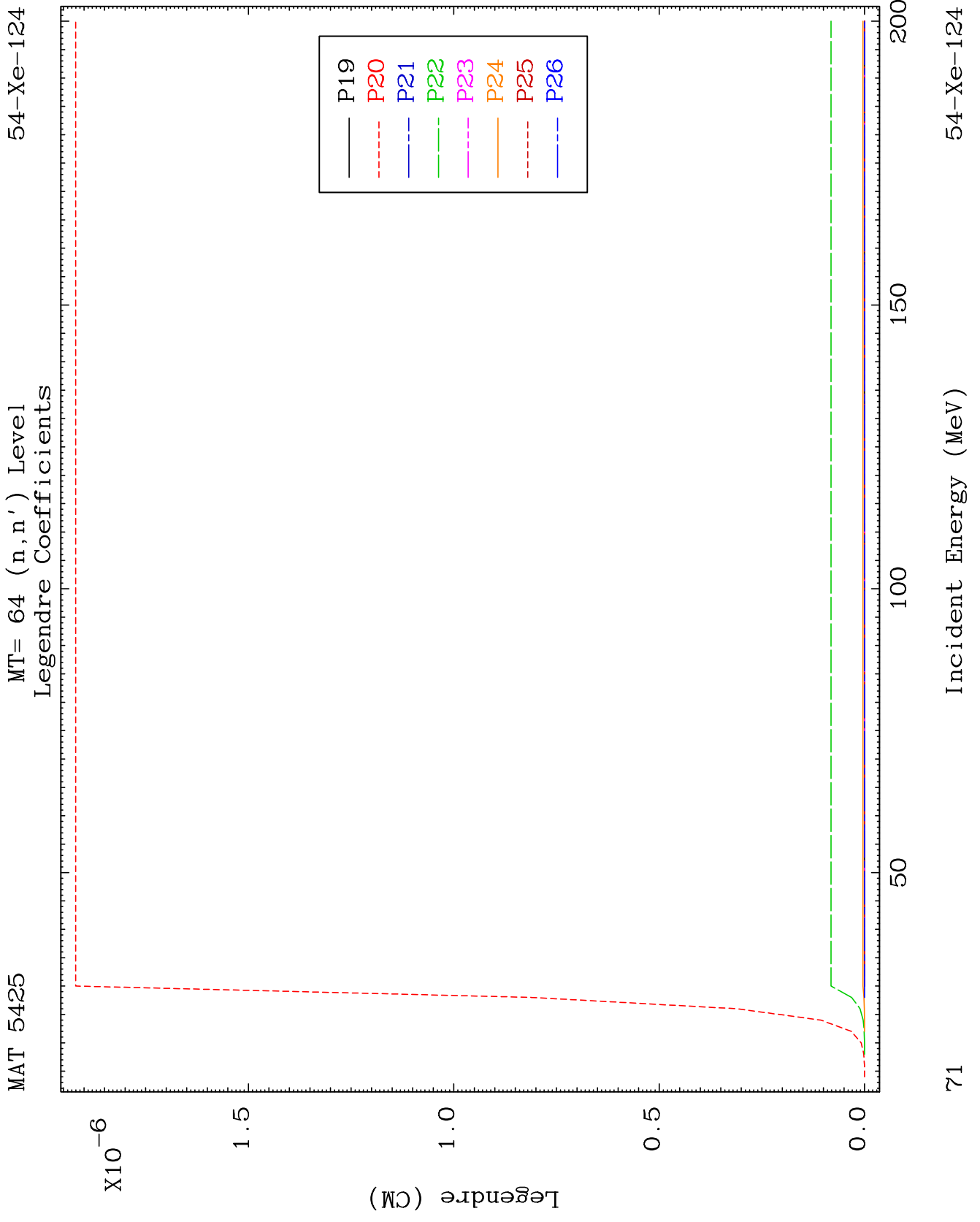
54-Xe-124



70

Incident Energy (MeV)

54-Xe-124

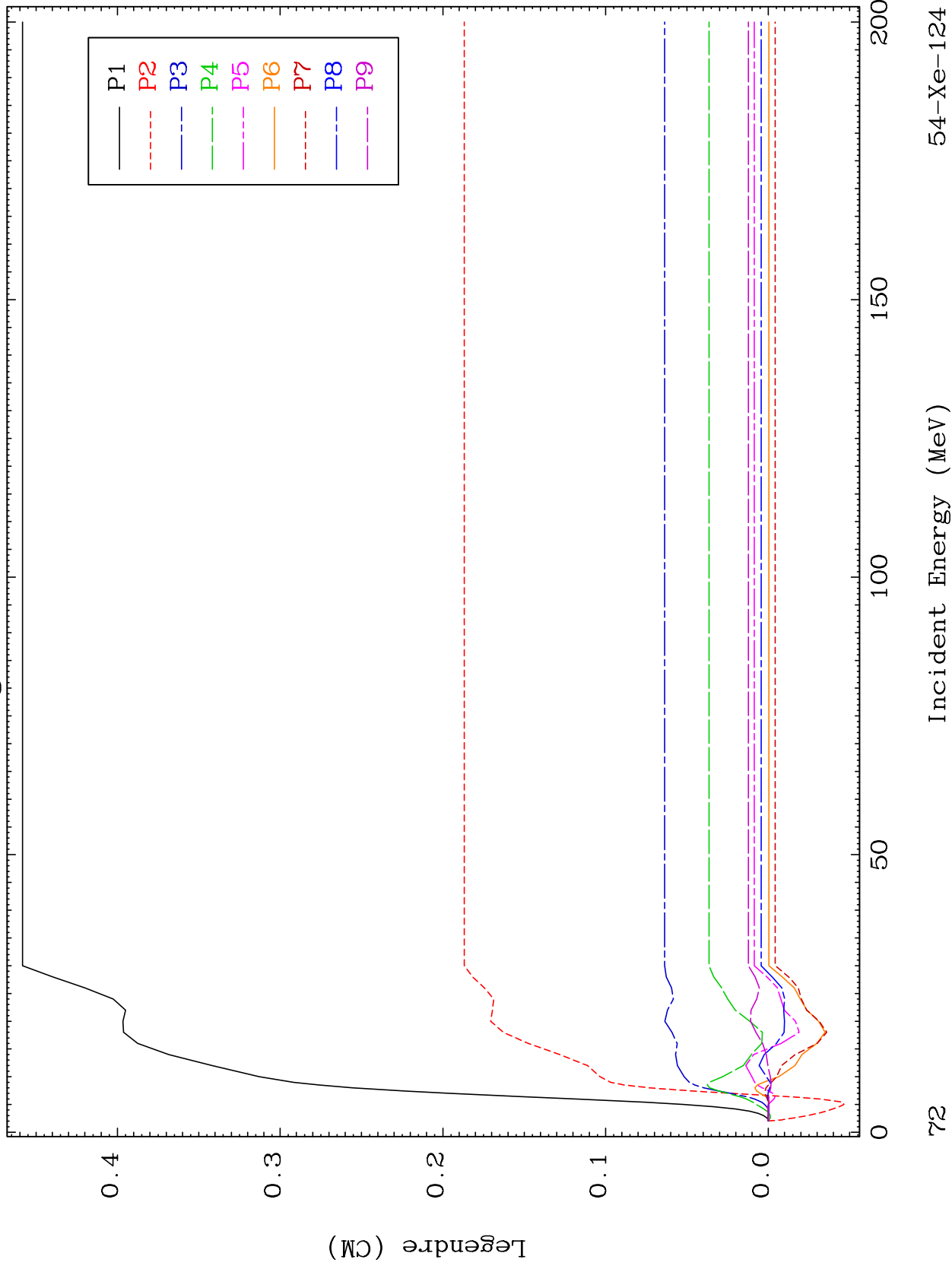




MAT 5425

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

54-Xe-124



54-Xe-124

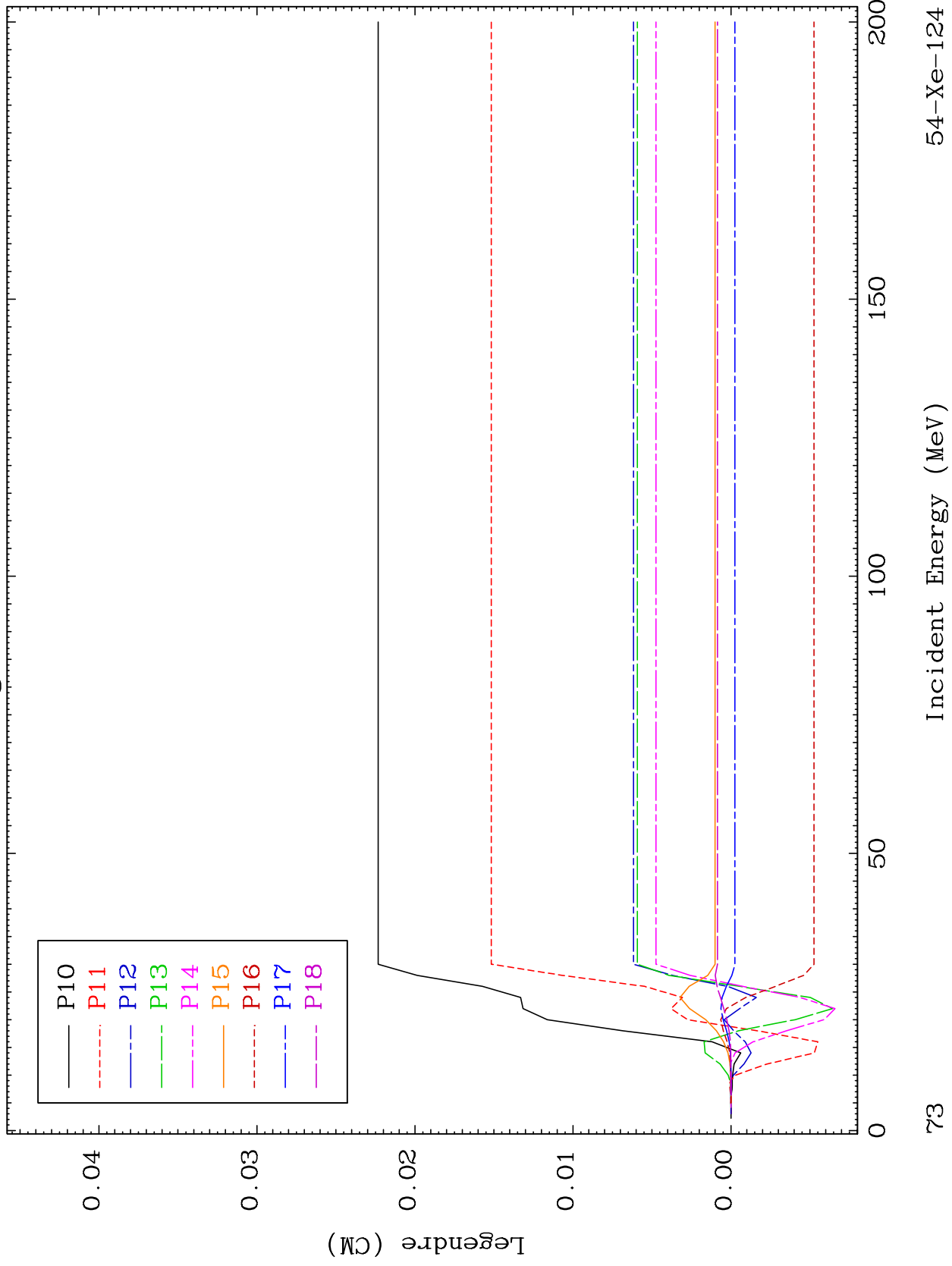
Incident Energy (MeV)

72

MAT 5425

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

54-Xe-124



73

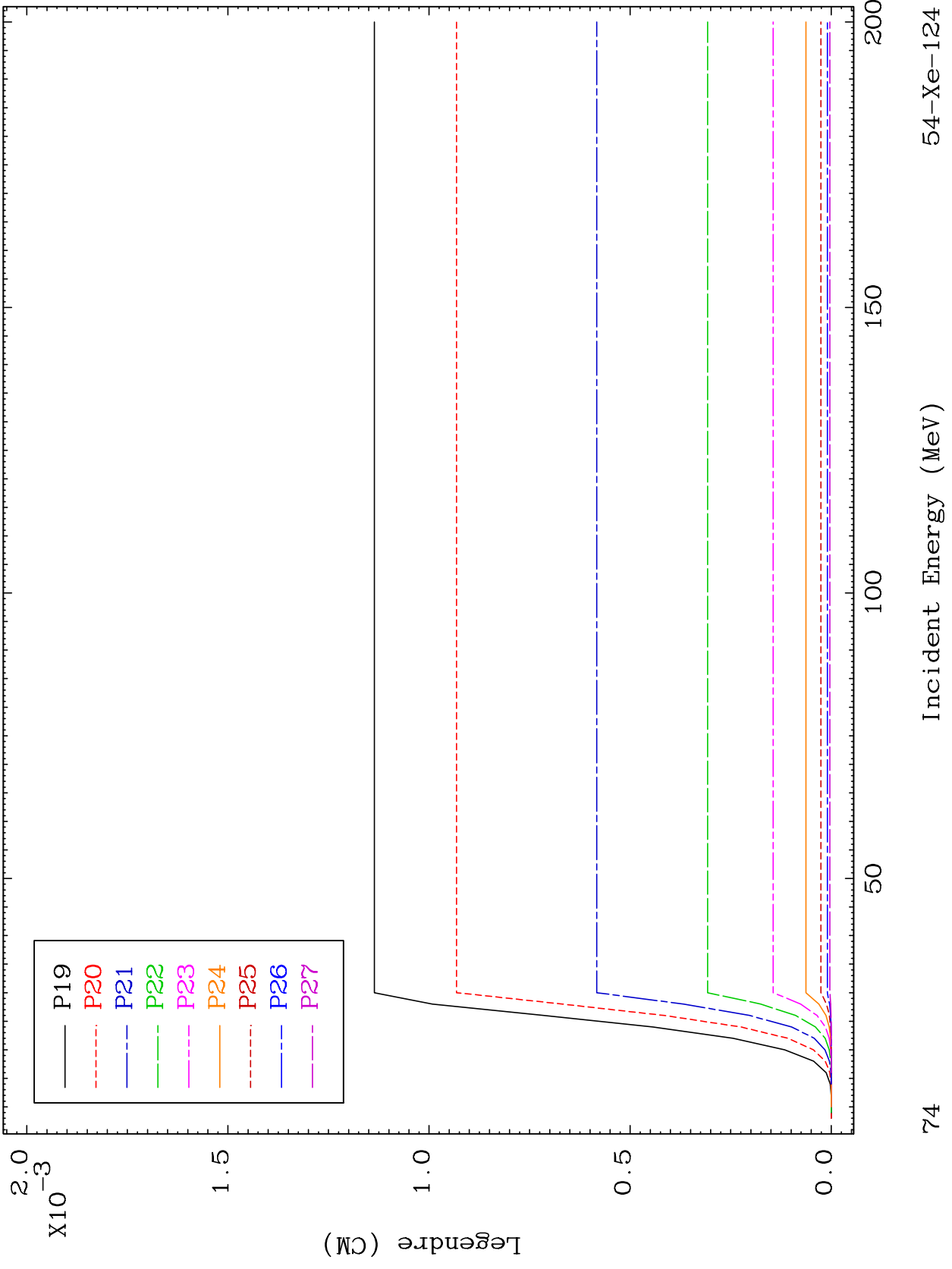
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



74

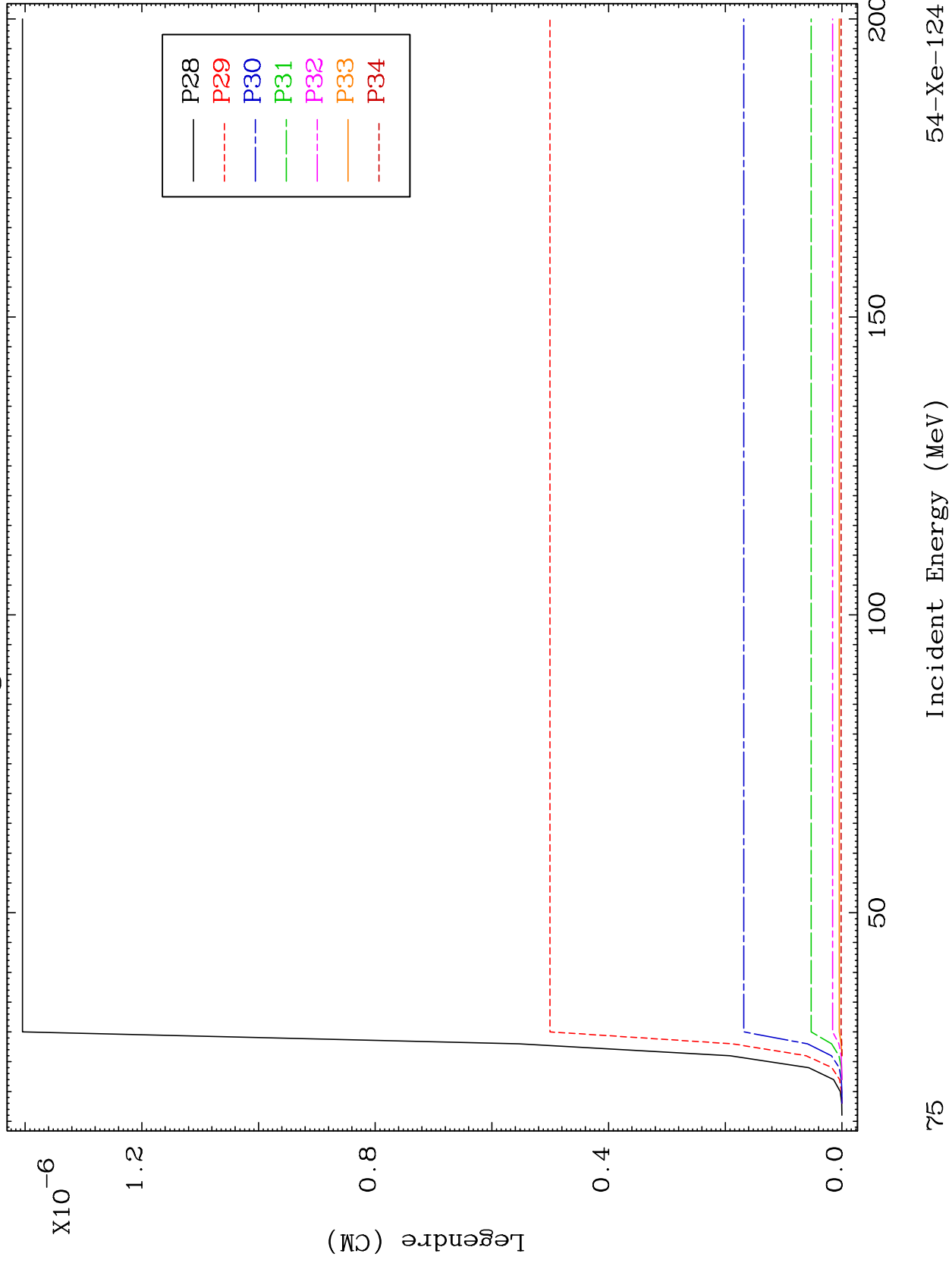
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

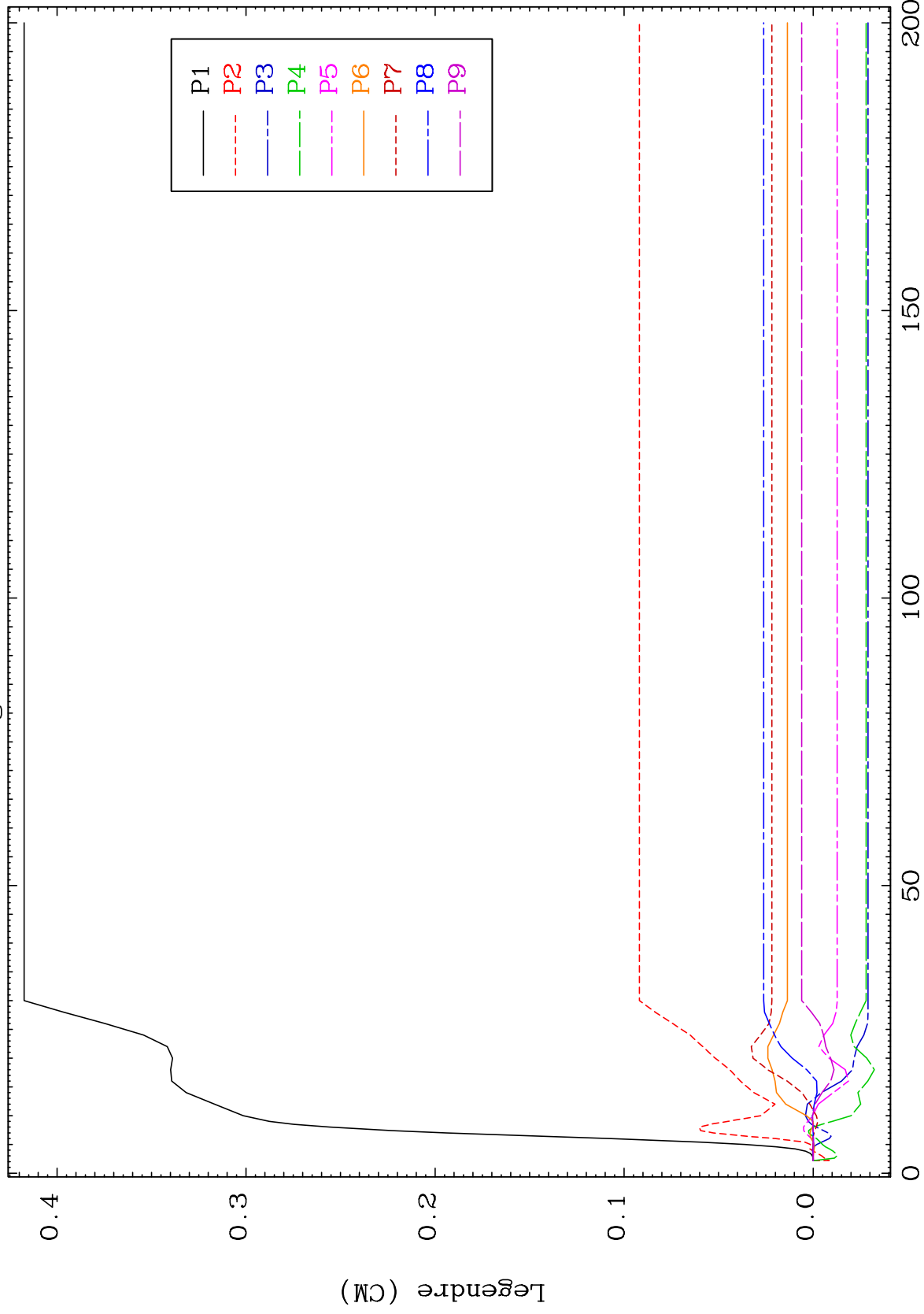
54-Xe-124



MAT 5425

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

54-Xe-124



76

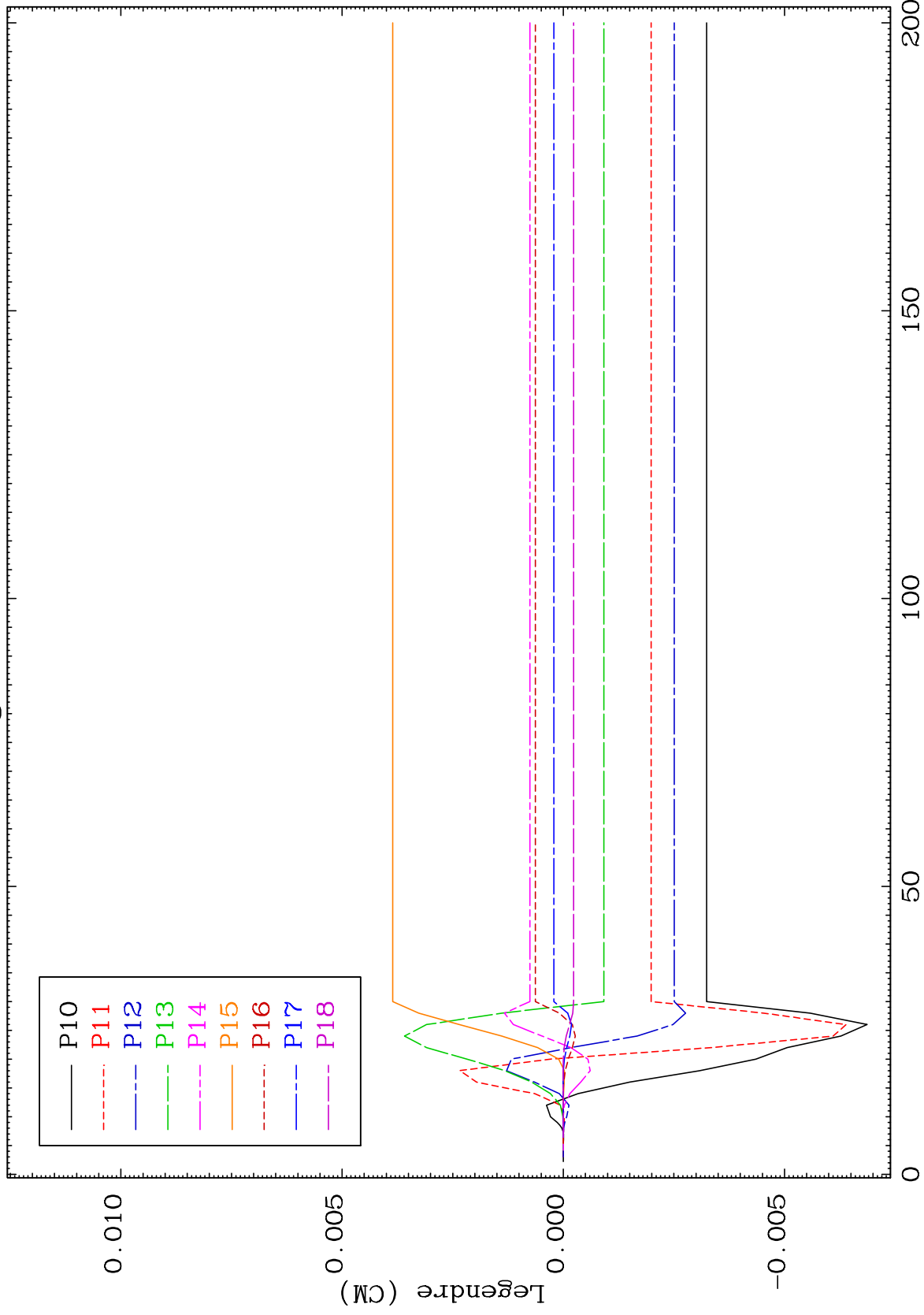
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

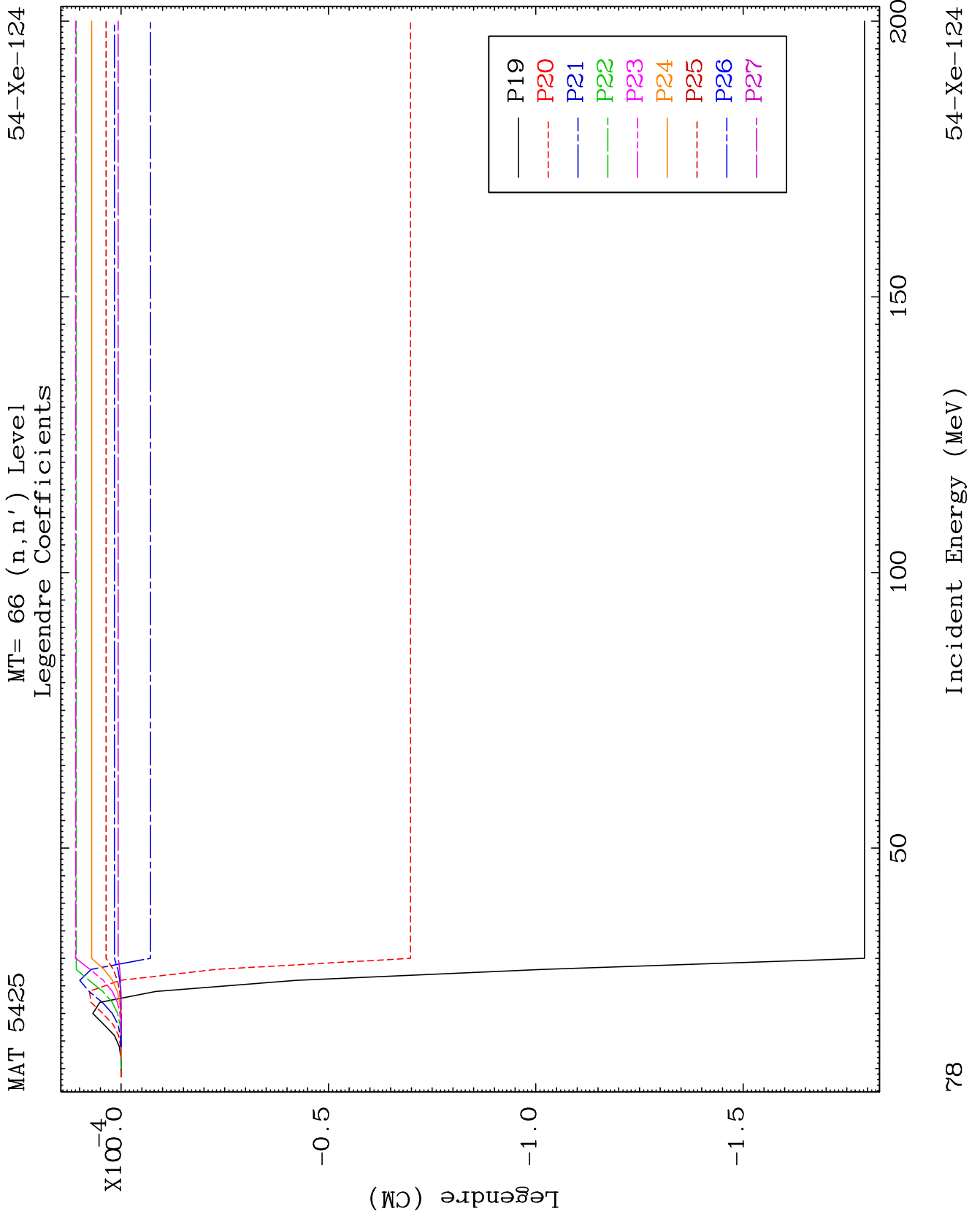
54-Xe-124



77

Incident Energy (MeV)

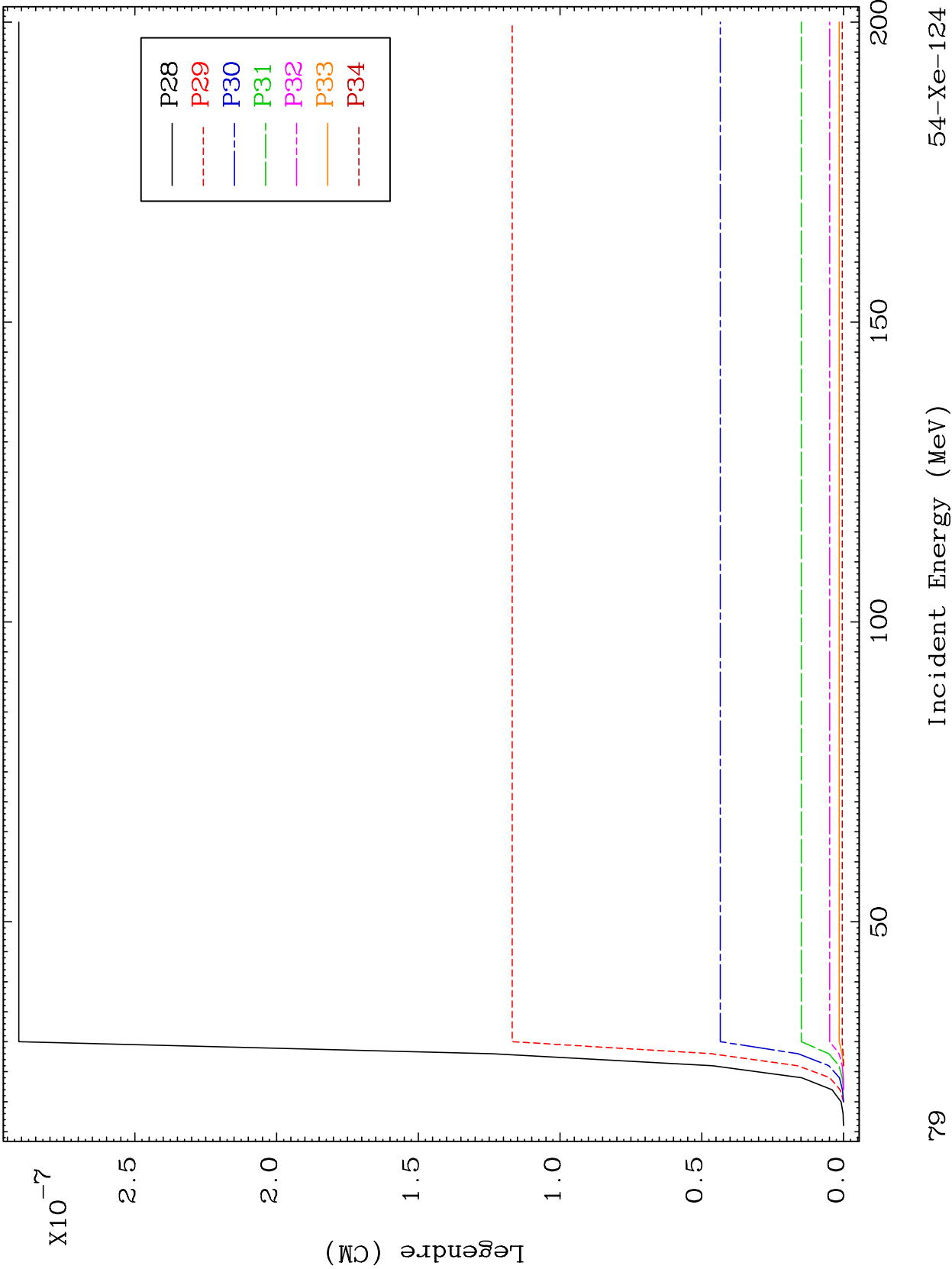
54-Xe-124



MAT 5425

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

54-Xe-124

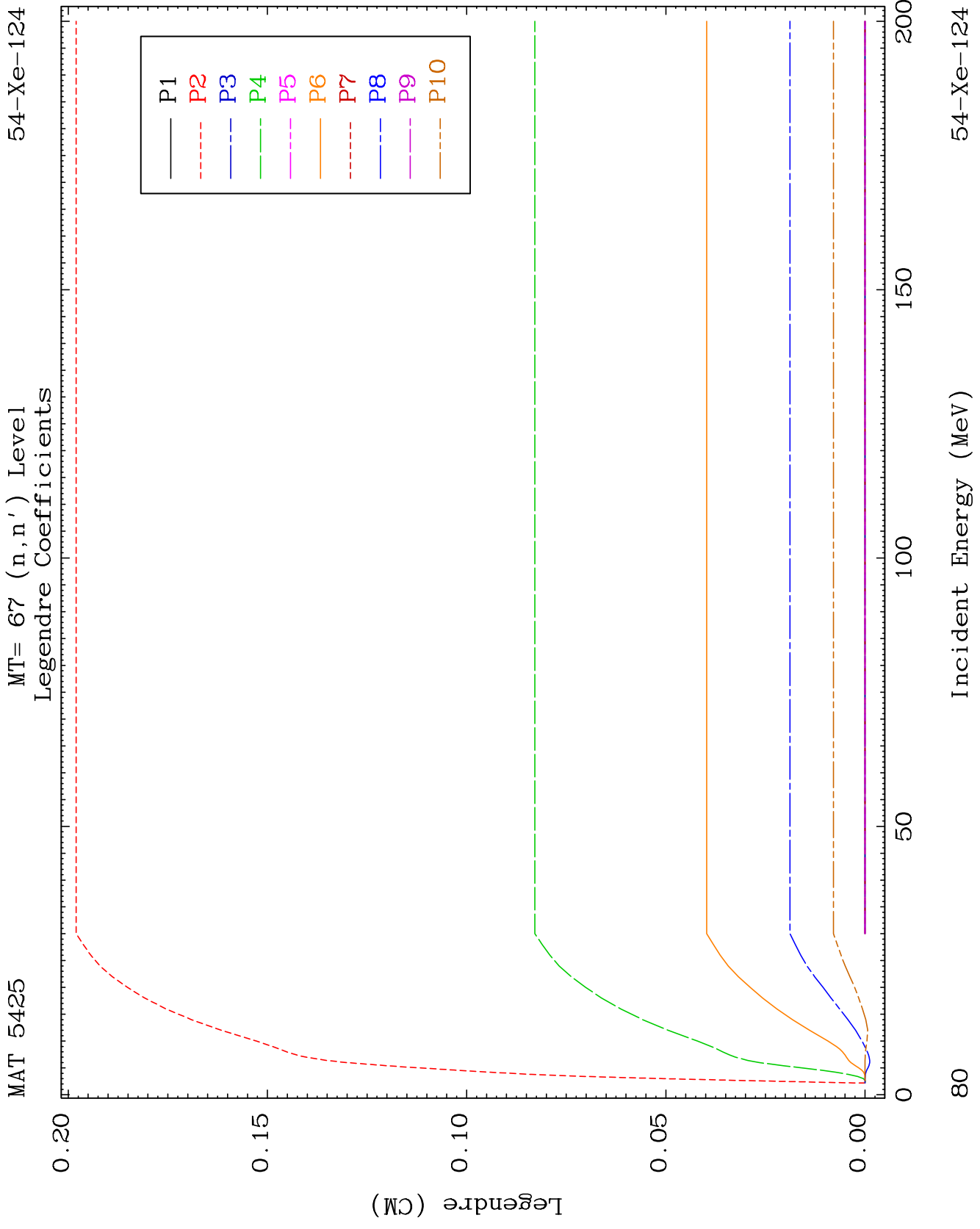


79

Incident Energy (MeV)

54-Xe-124

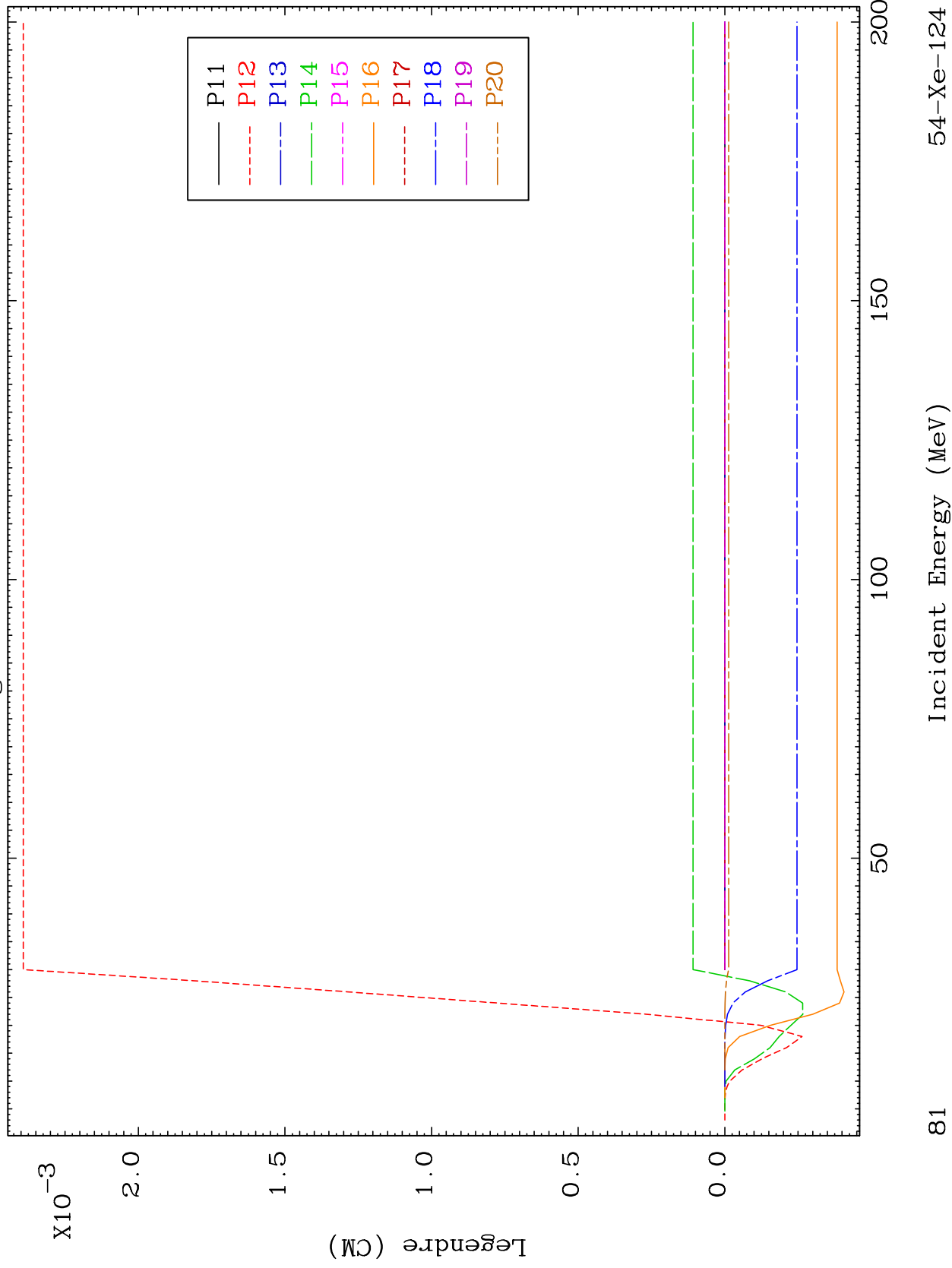


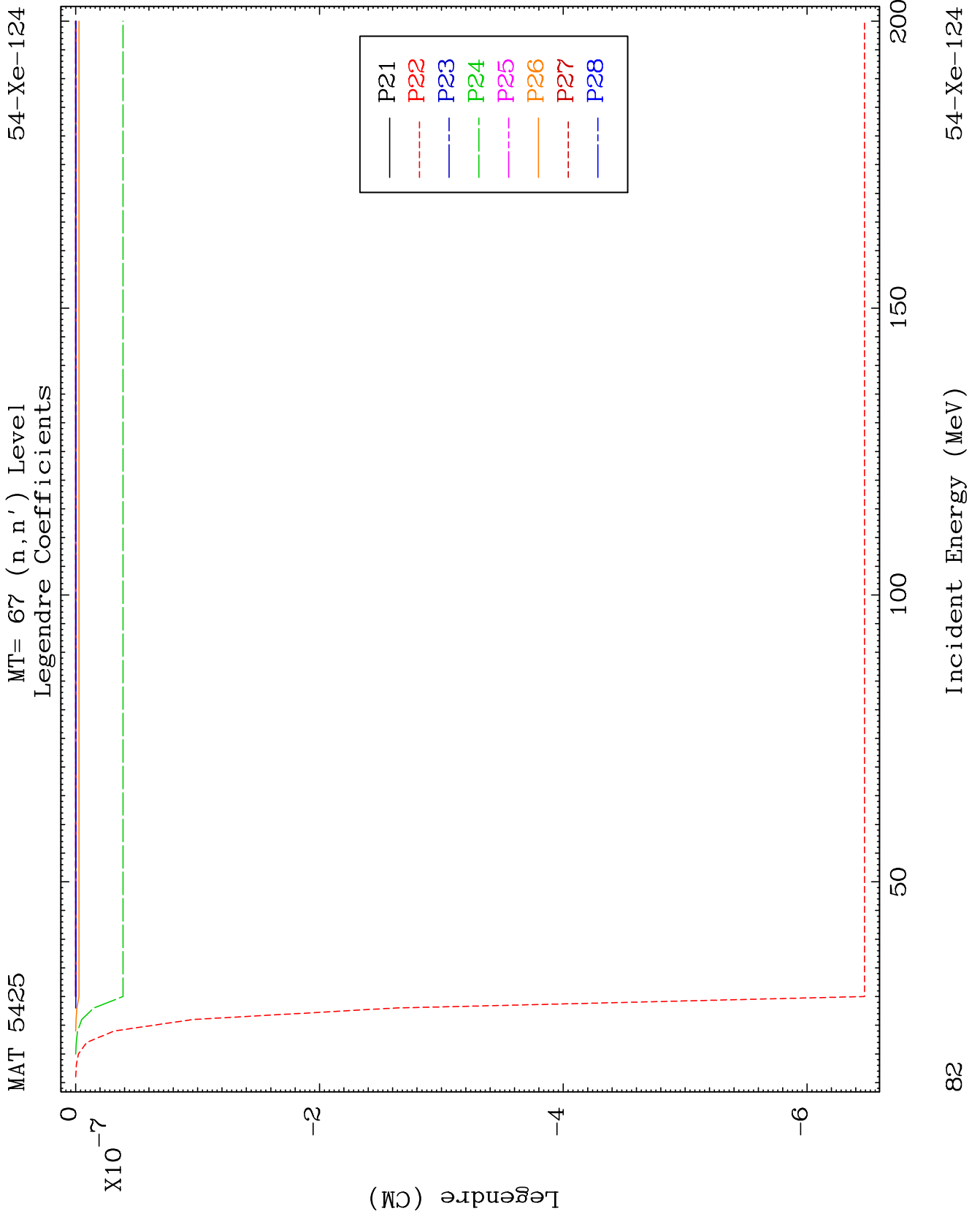


MAT 5425

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

54-Xe-124

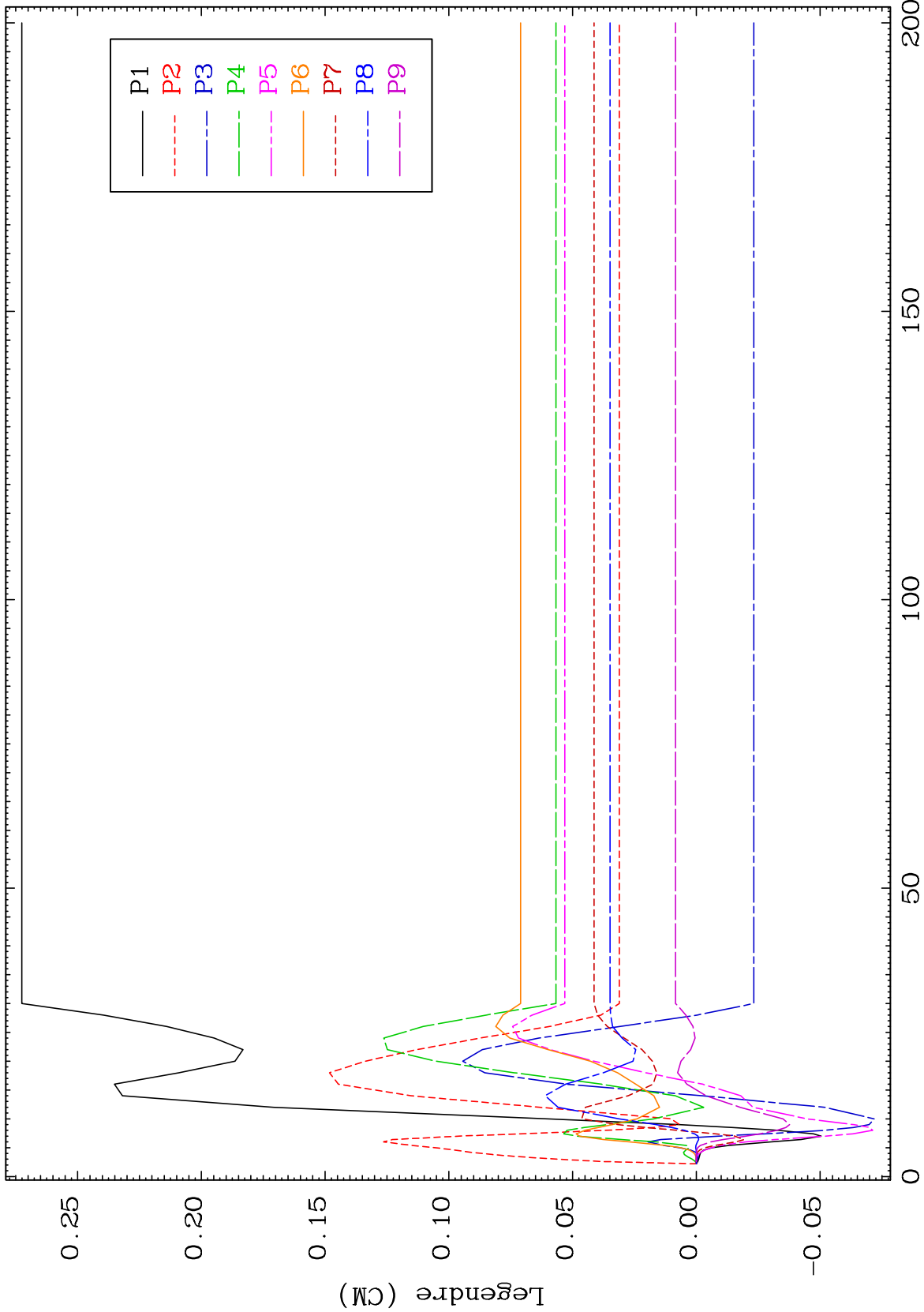




MAT 5425

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

54-Xe-124



83

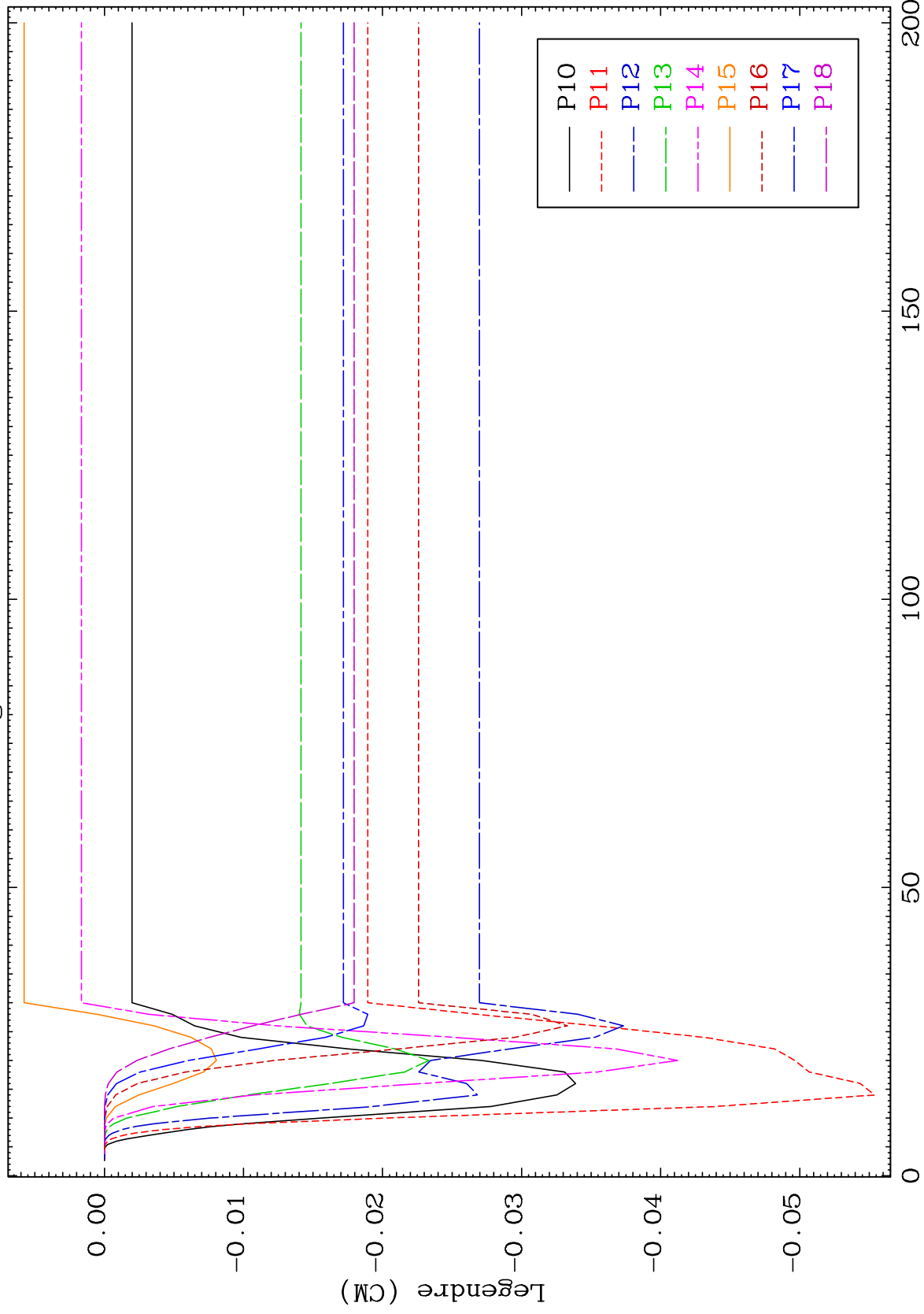
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

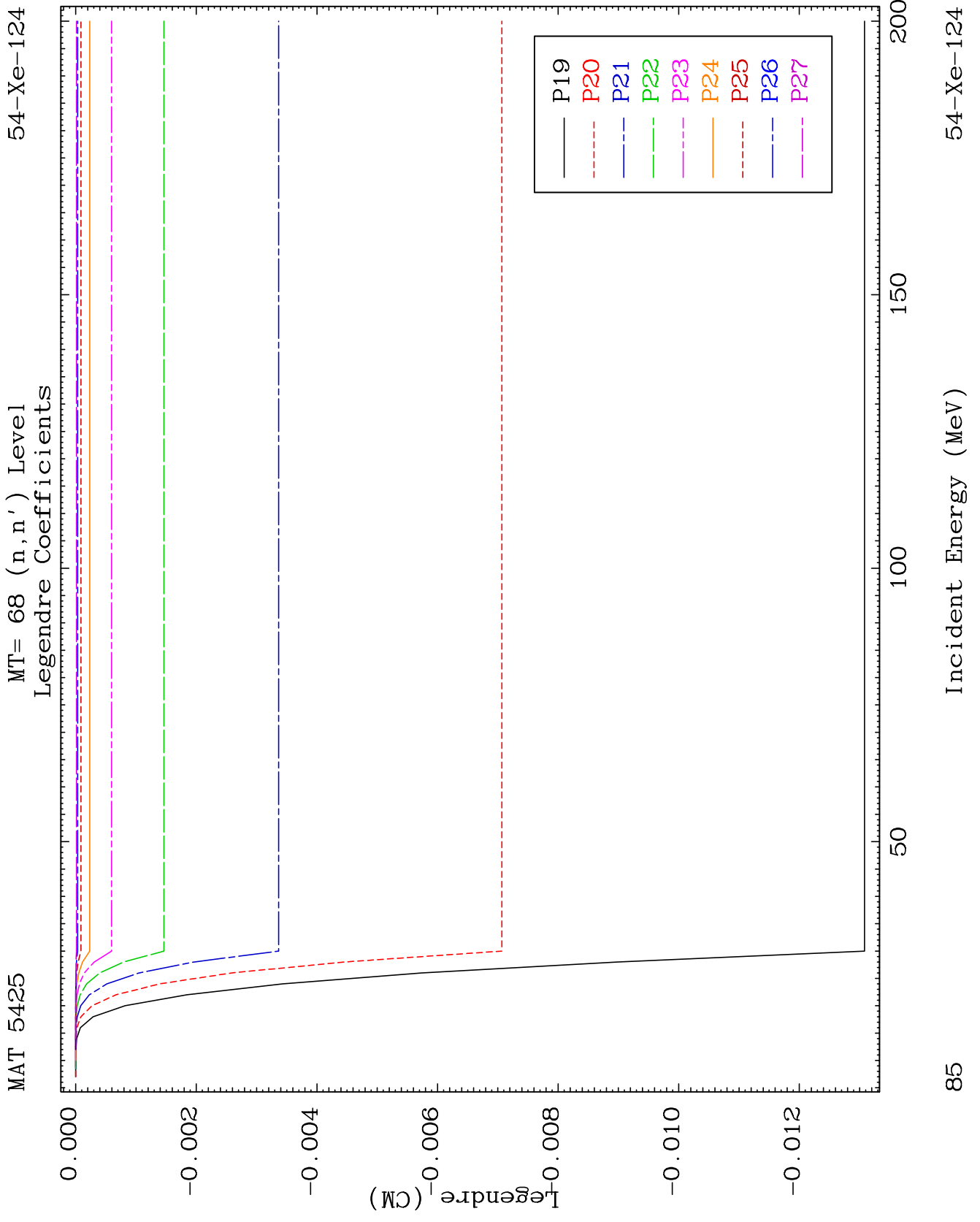
54-Xe-124

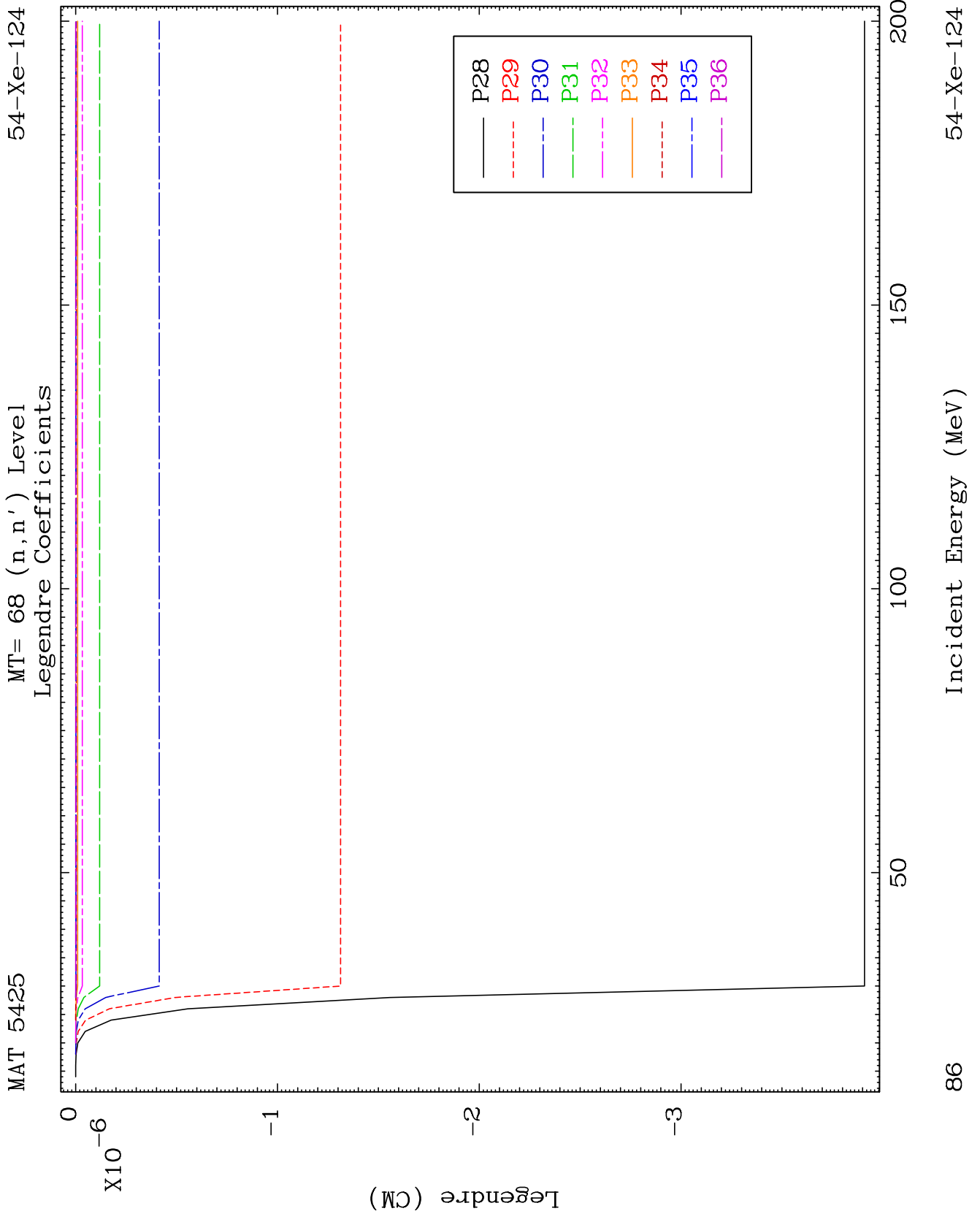


84

Incident Energy (MeV)

54-Xe-124





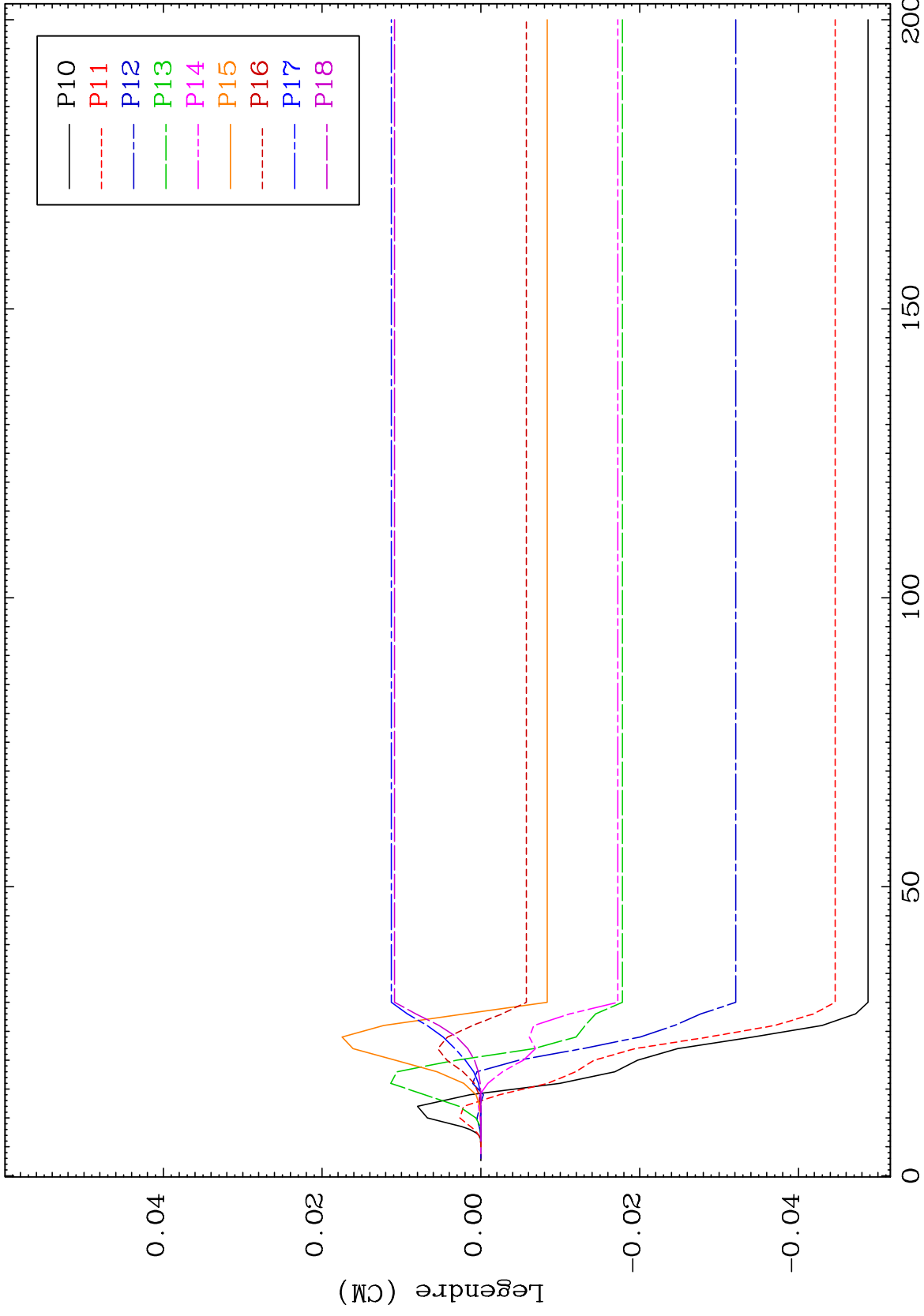




MAT 5425

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

54-Xe-124



88

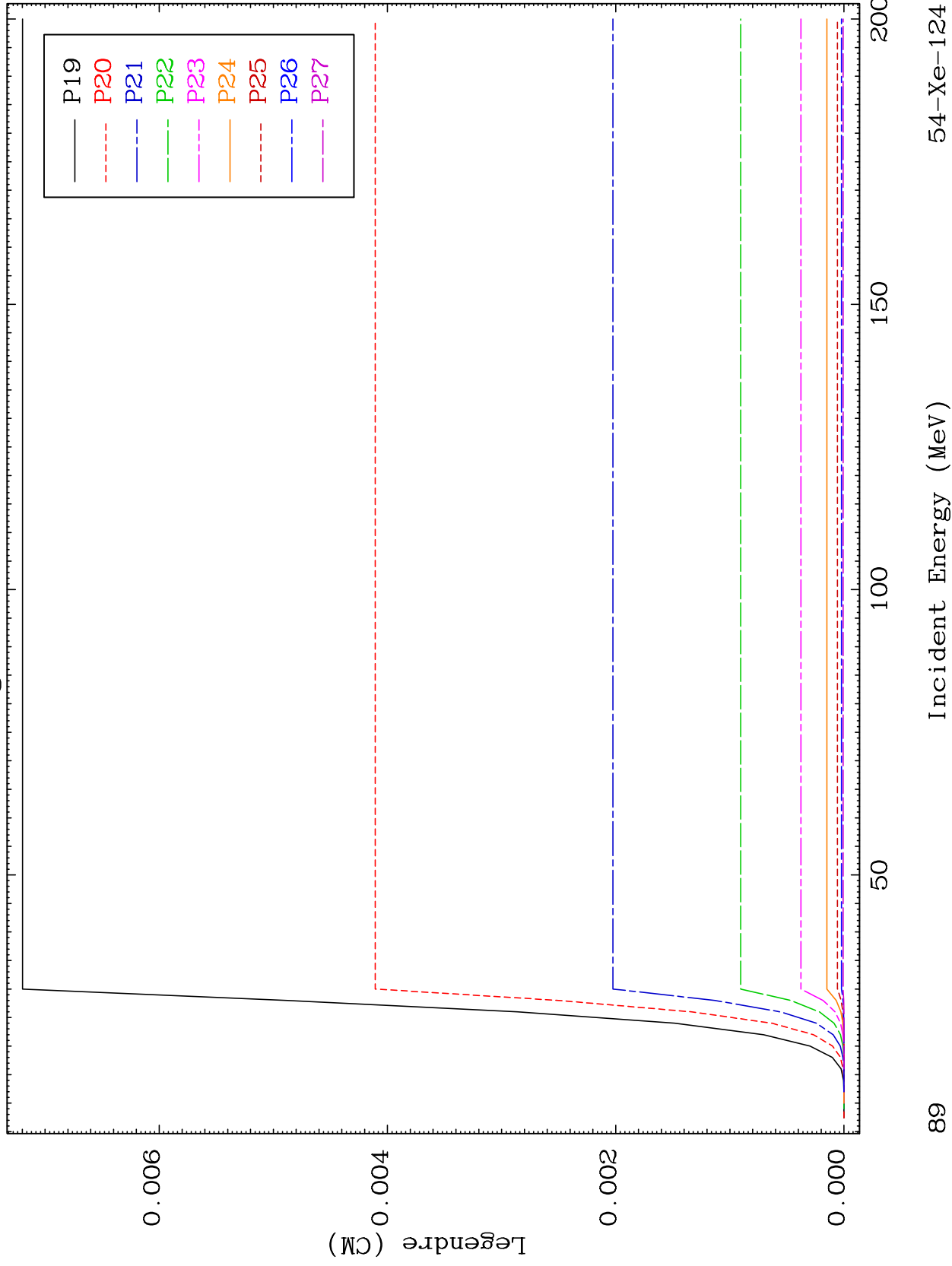
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



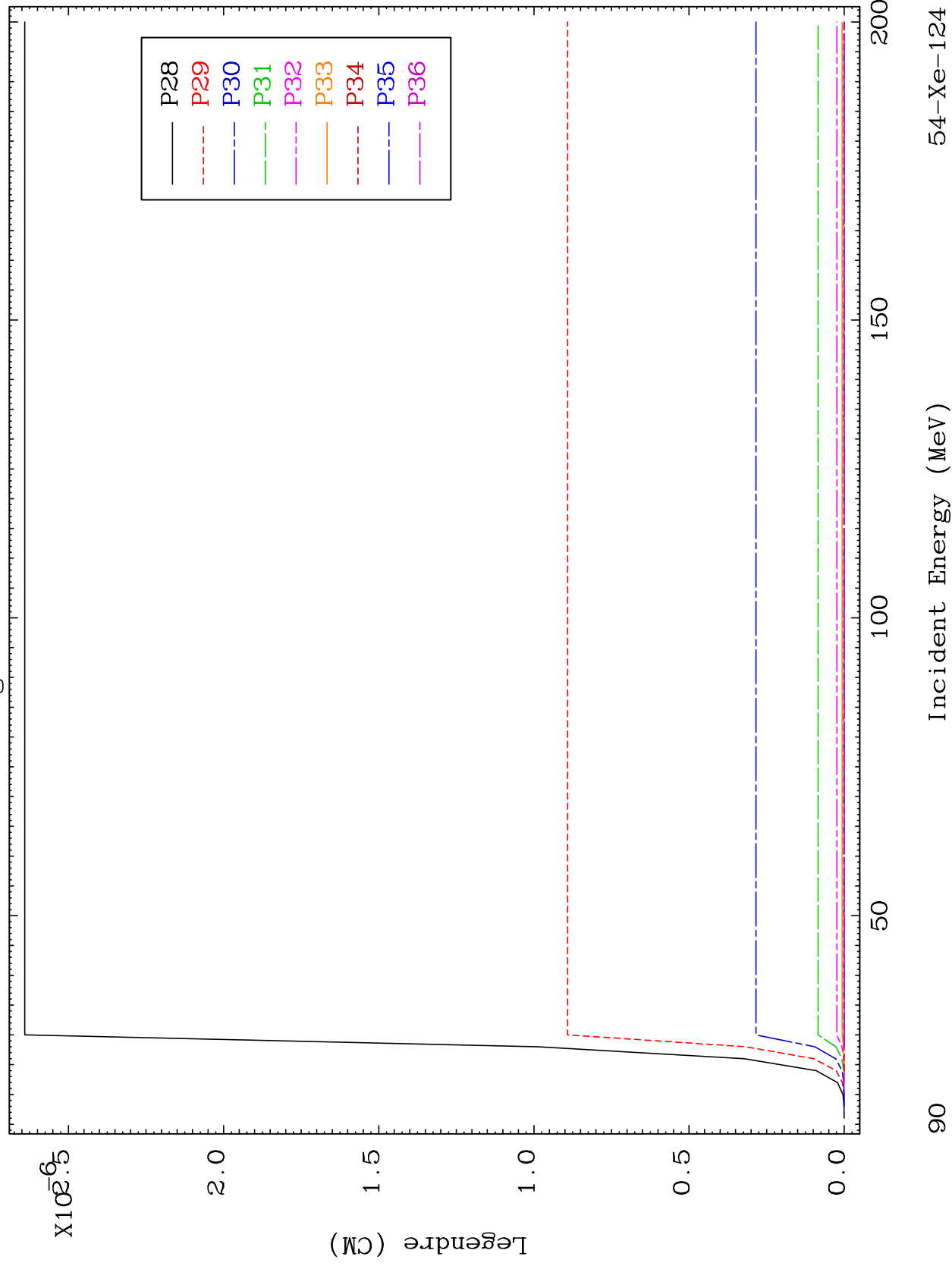
89

54-Xe-124

MAT 5425

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

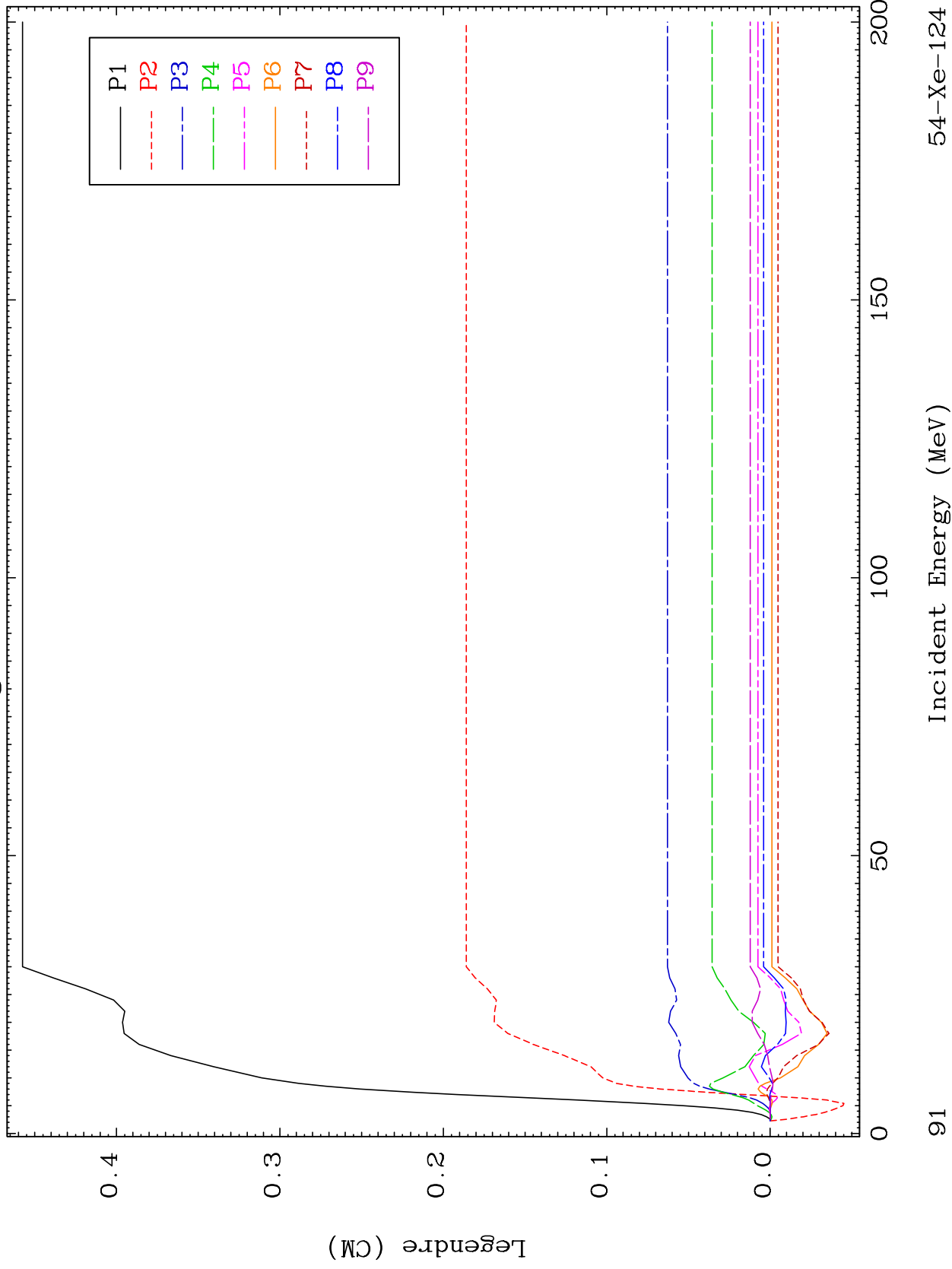
54-Xe-124



MAT 5425

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

54-Xe-124



54-Xe-124

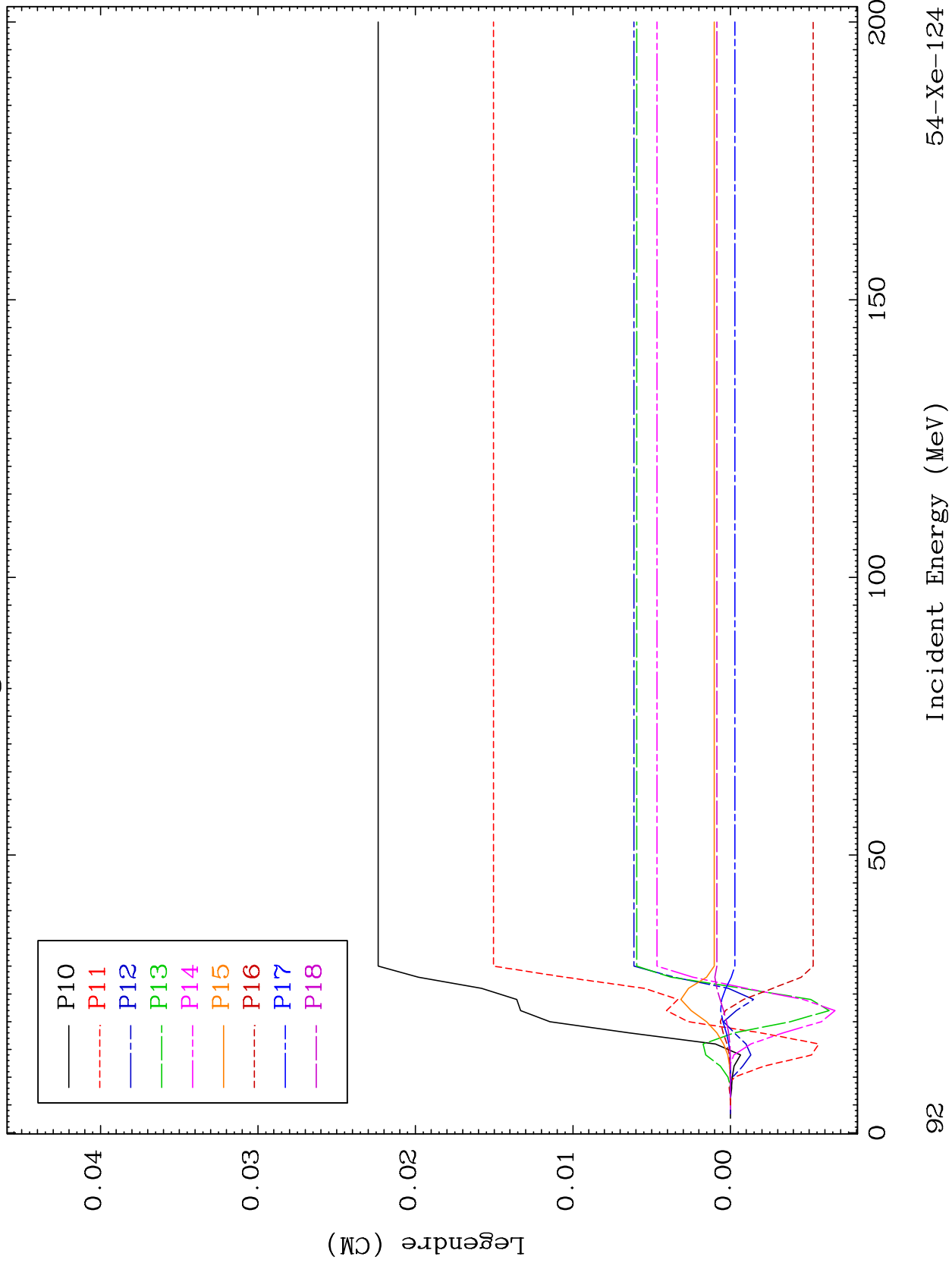
Incident Energy (MeV)

91

MAT 5425

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

54-Xe-124



92

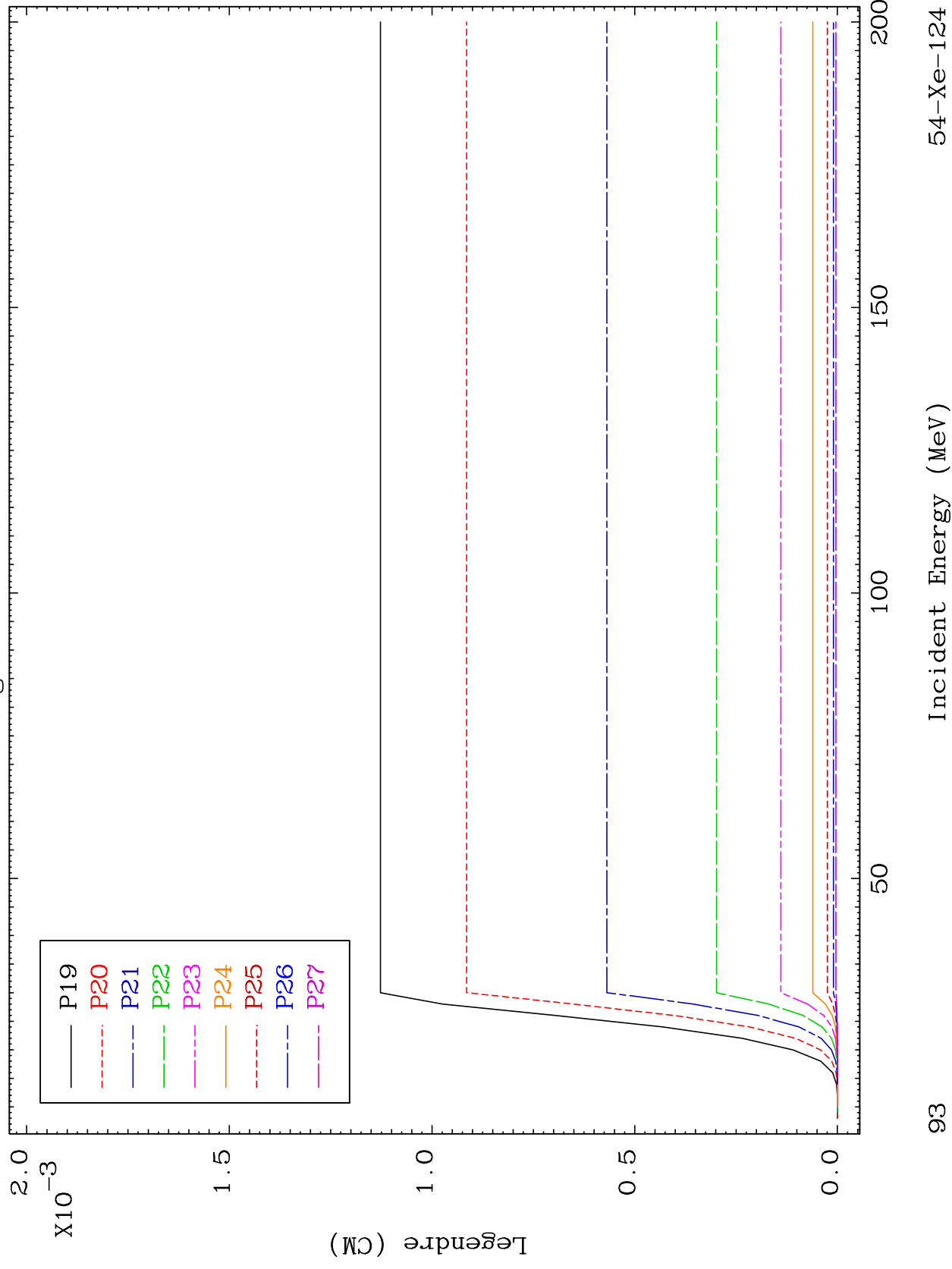
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



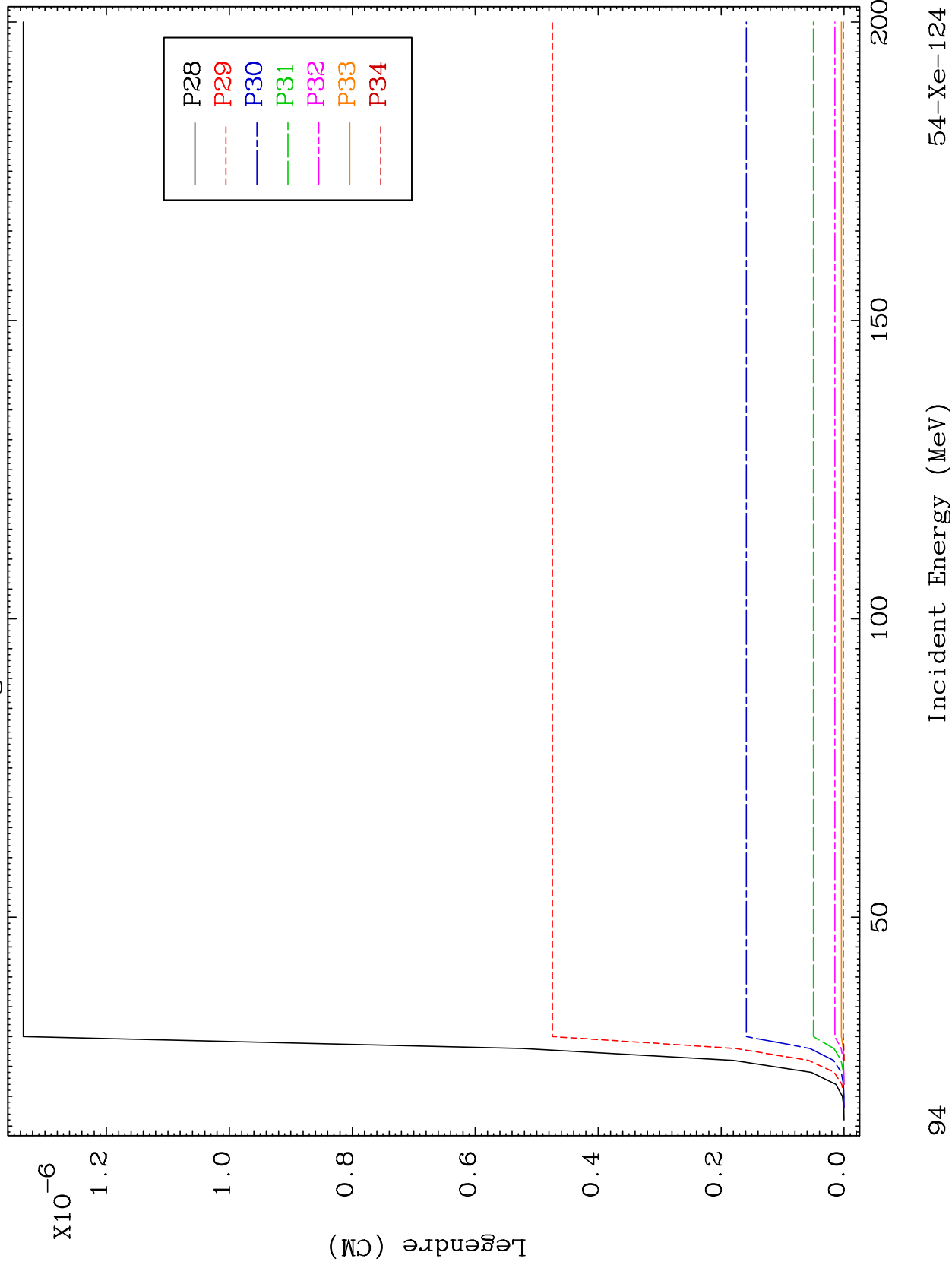
93

54-Xe-124

MAT 5425

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

54-Xe-124



94

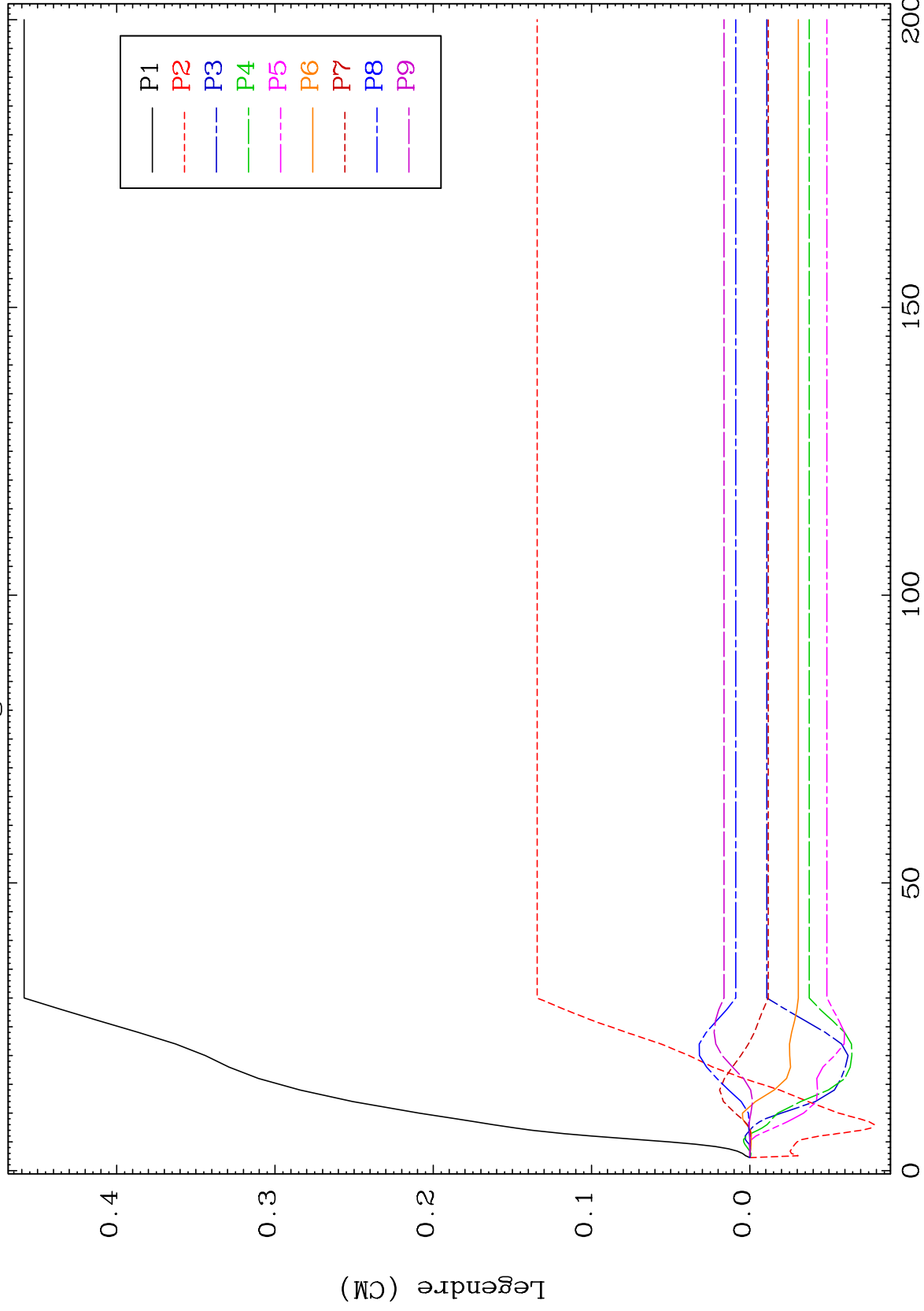
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



95

Incident Energy (MeV)

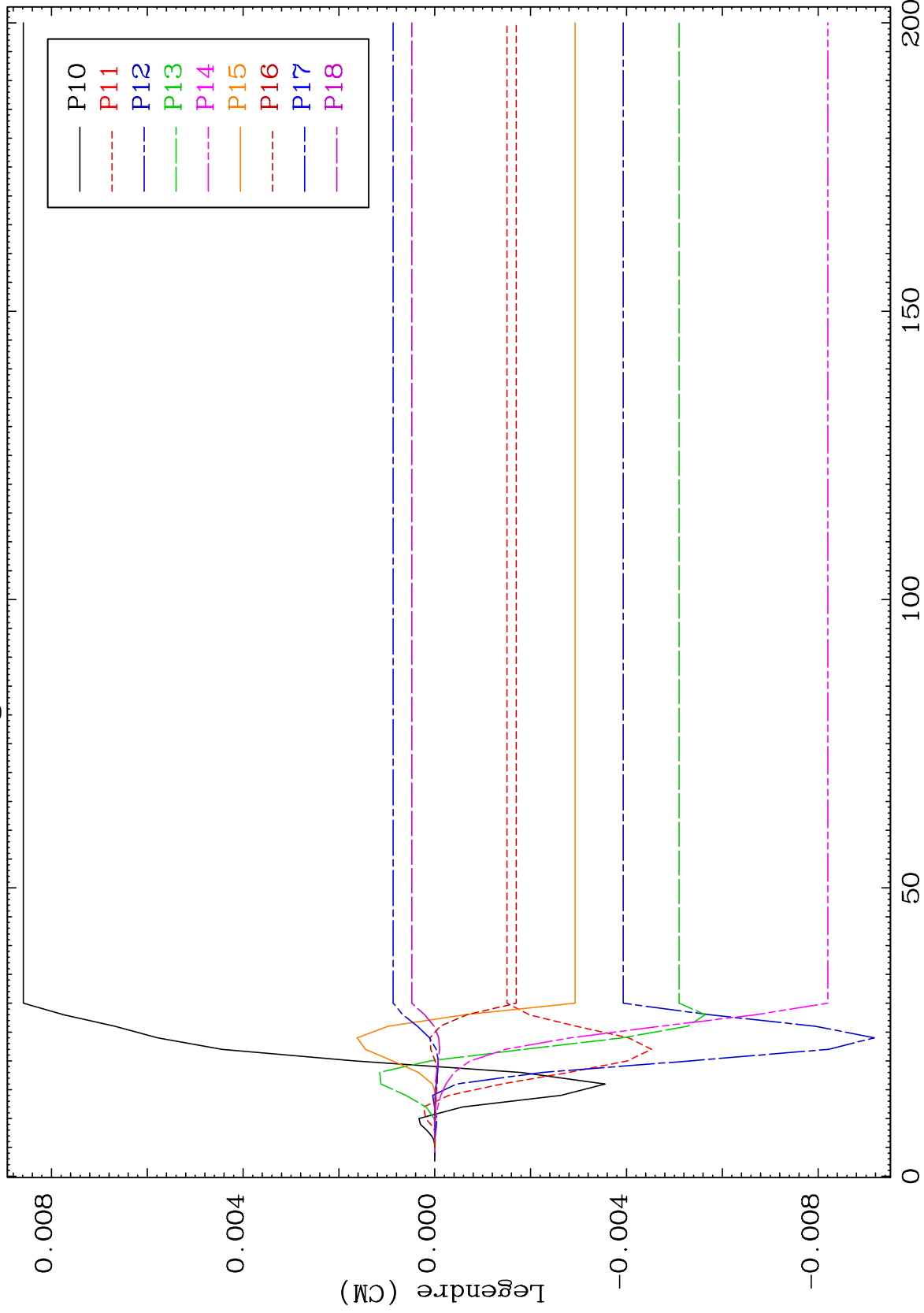
54-Xe-124



MAT 5425

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

54-Xe-124



96

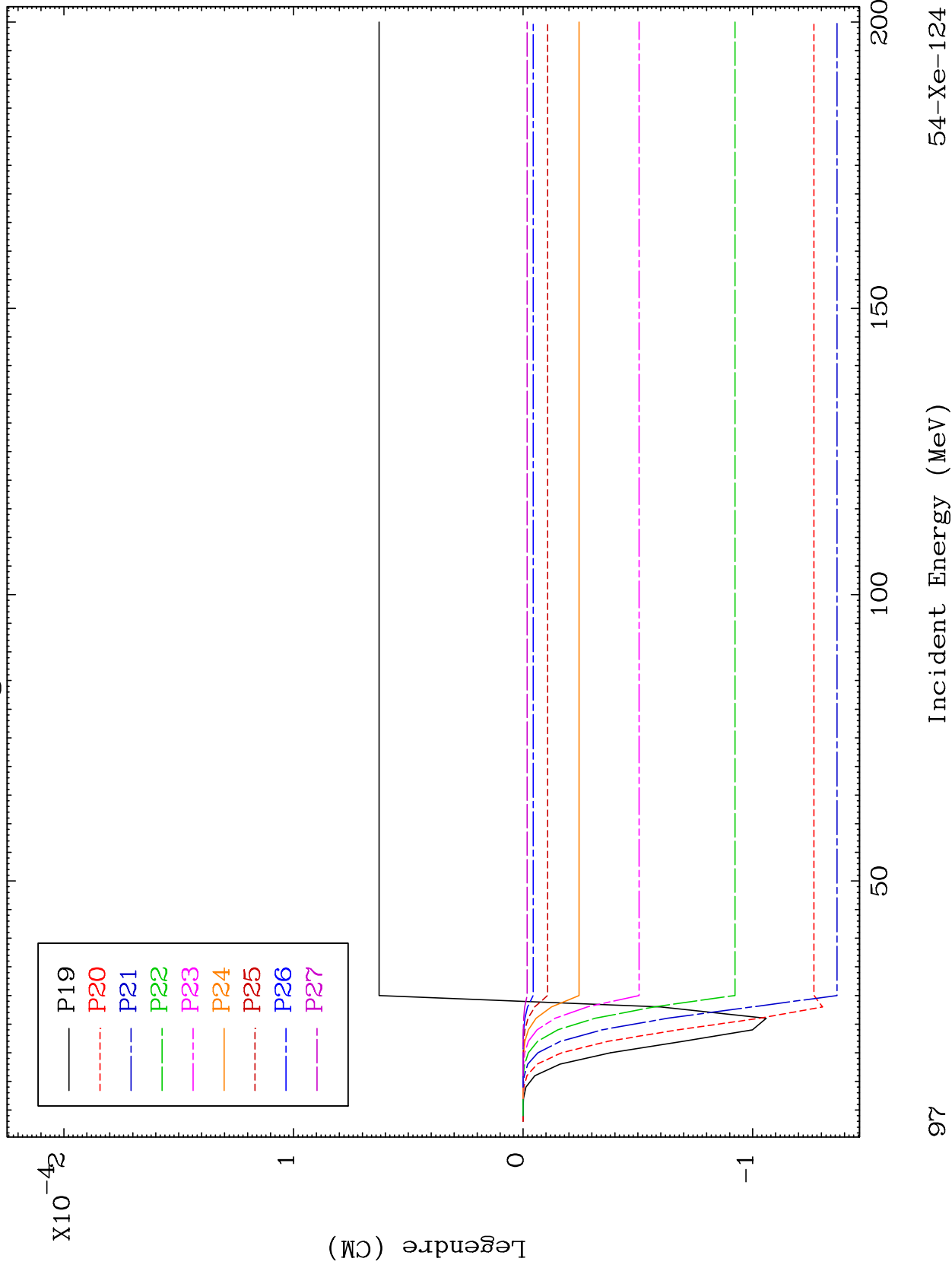
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124

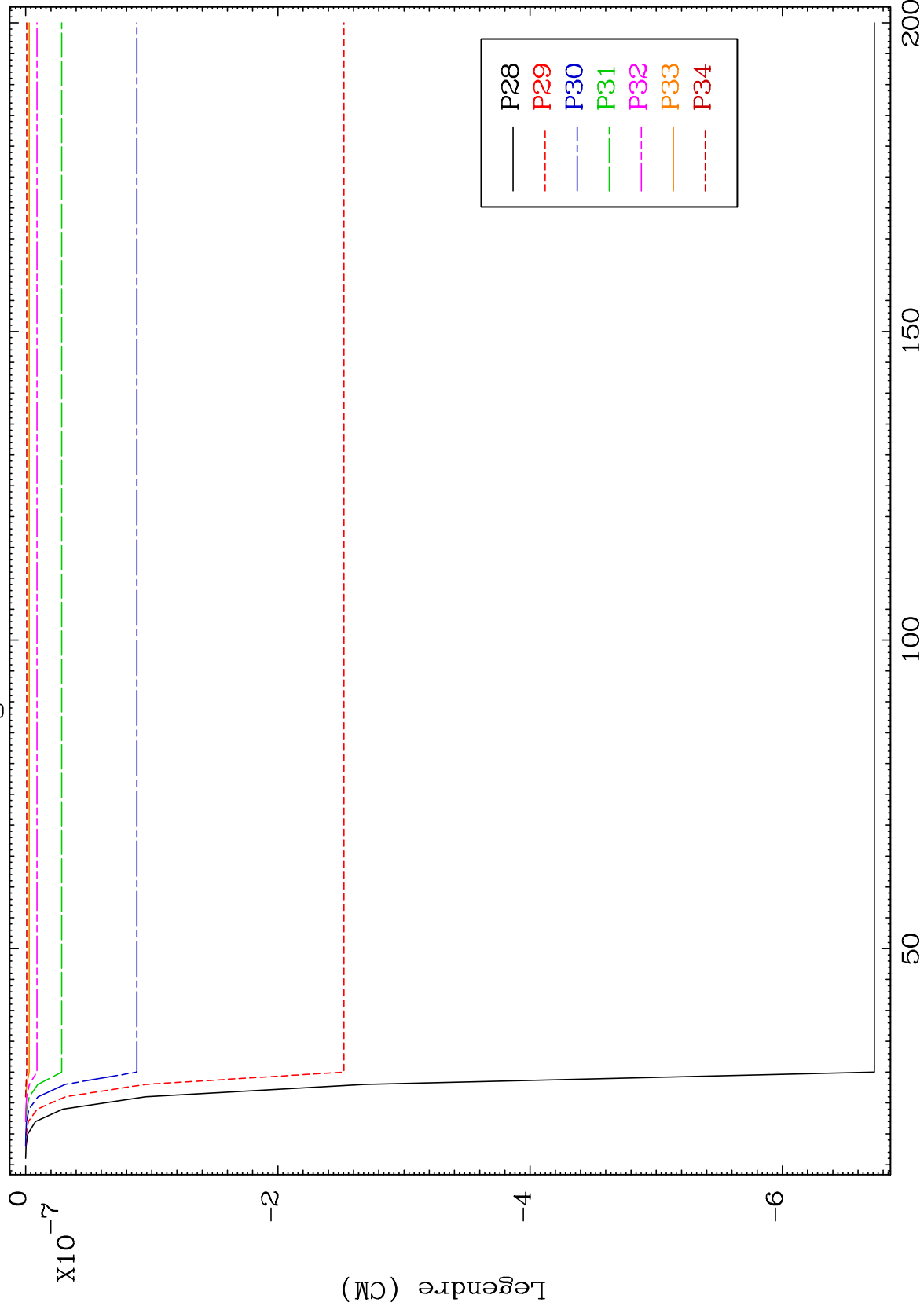


MAT 5425

MT= 71 (n,n') Level

54-Xe-124

Legendre Coefficients



98

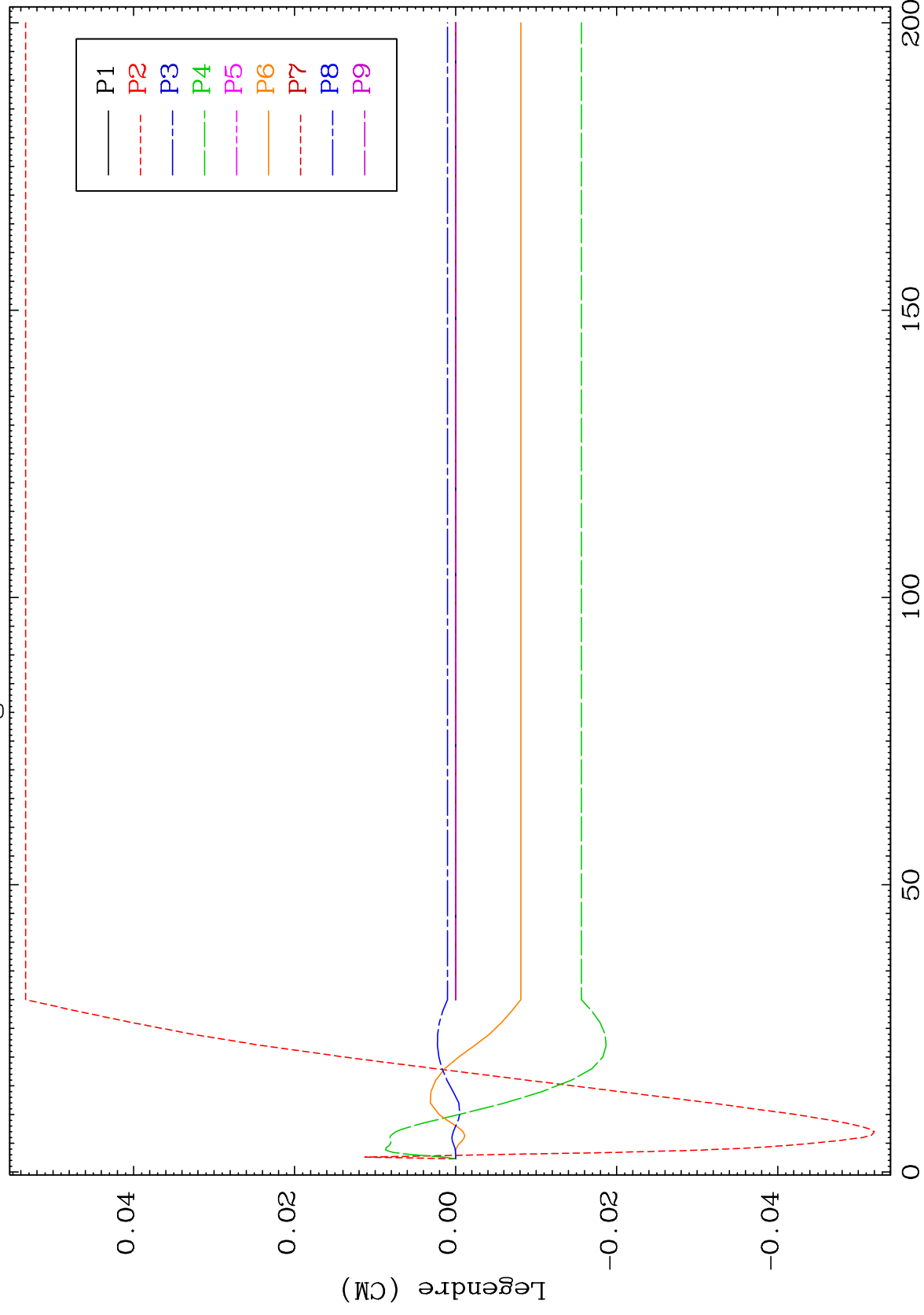
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



99

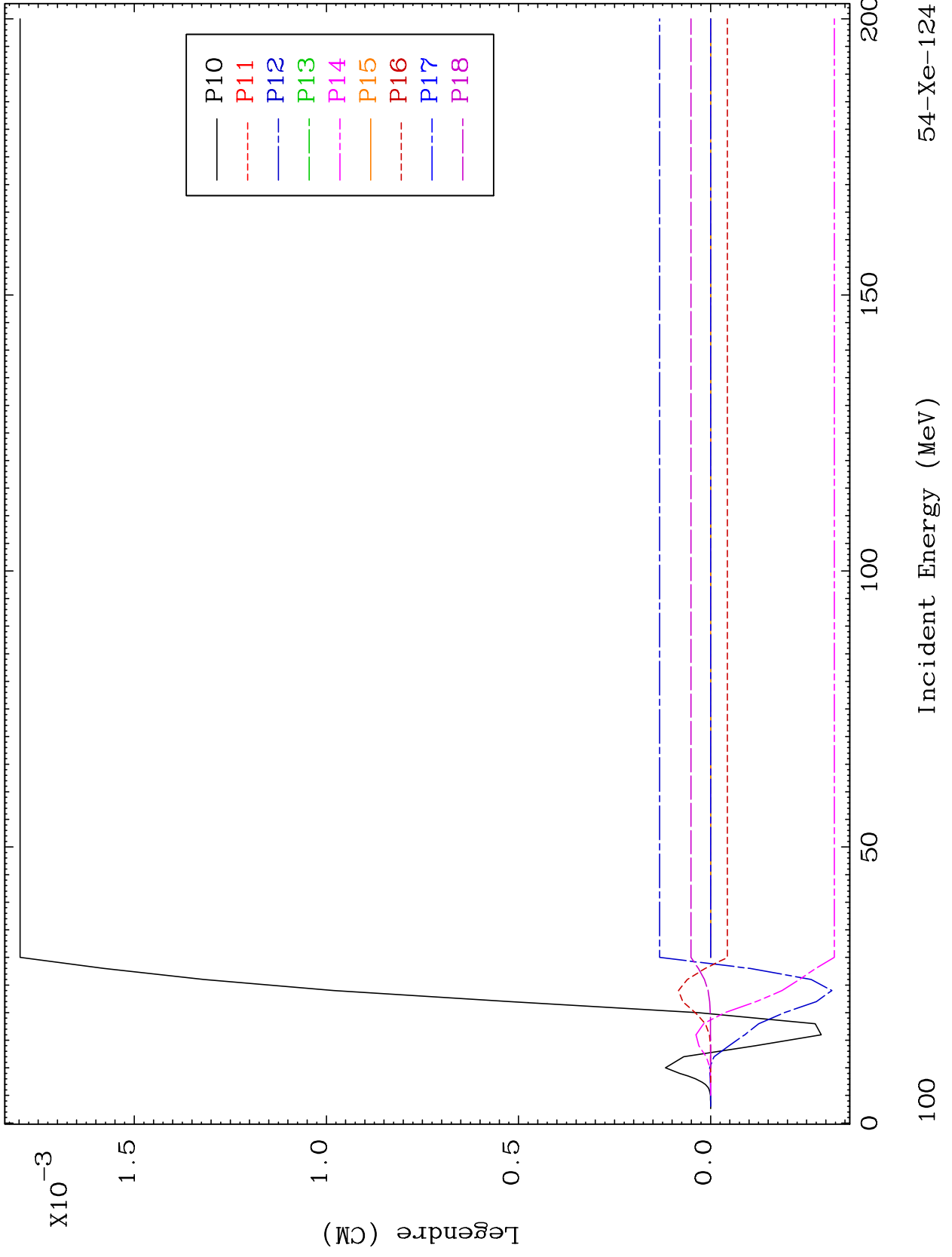
Incident Energy (MeV)

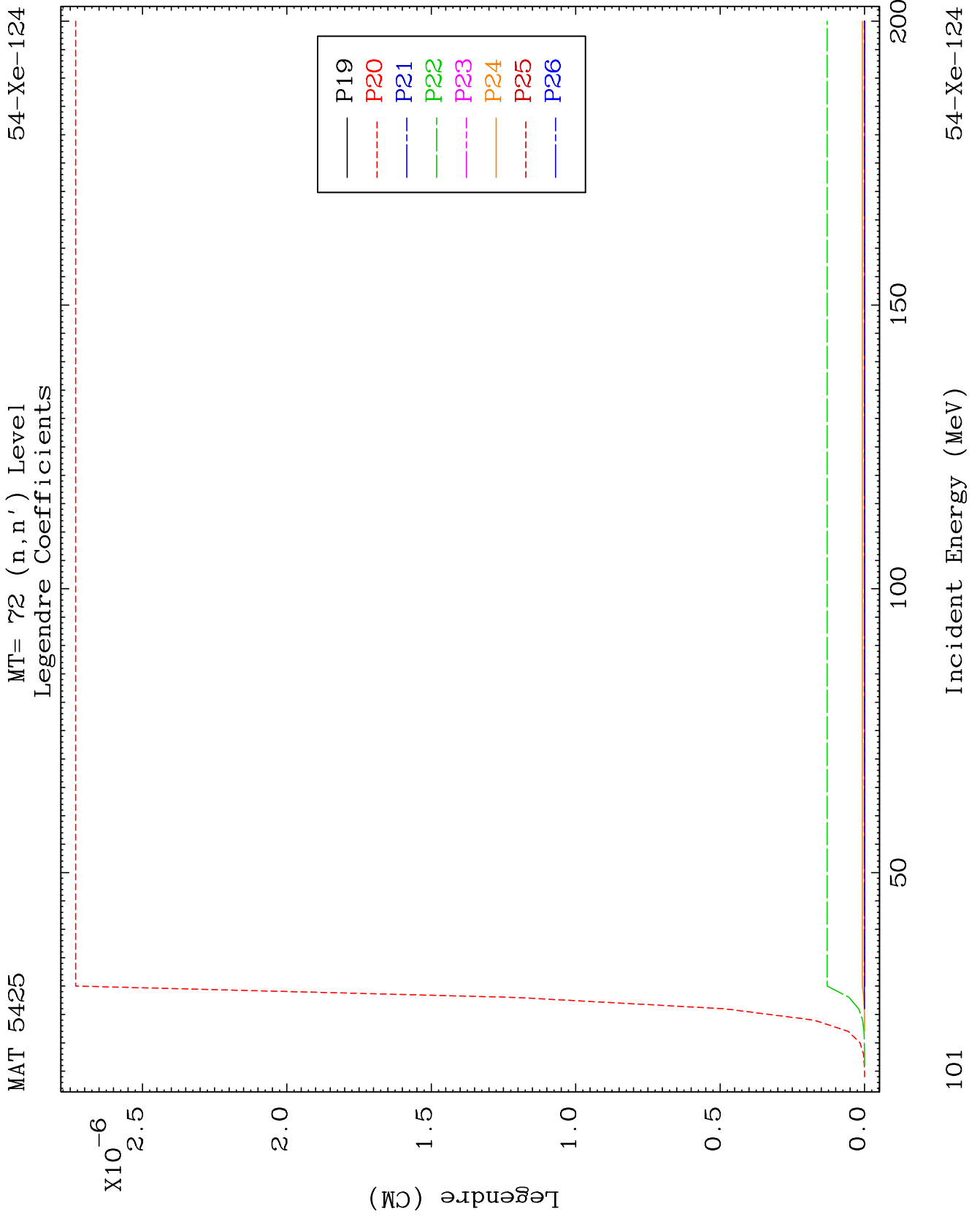
54-Xe-124

MAT 5425

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

54-Xe-124

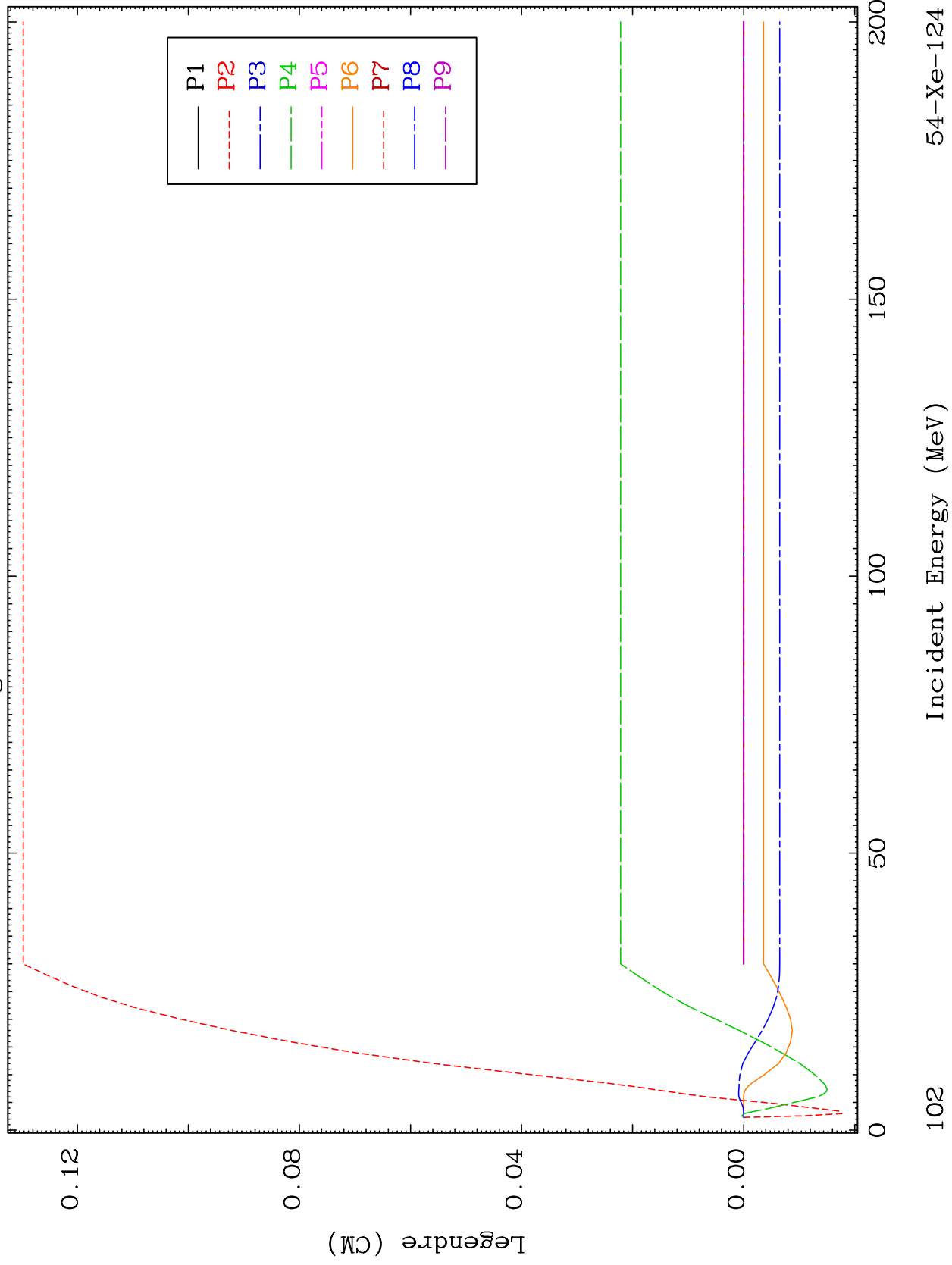




MAT 5425

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

54-Xe-124



54-Xe-124

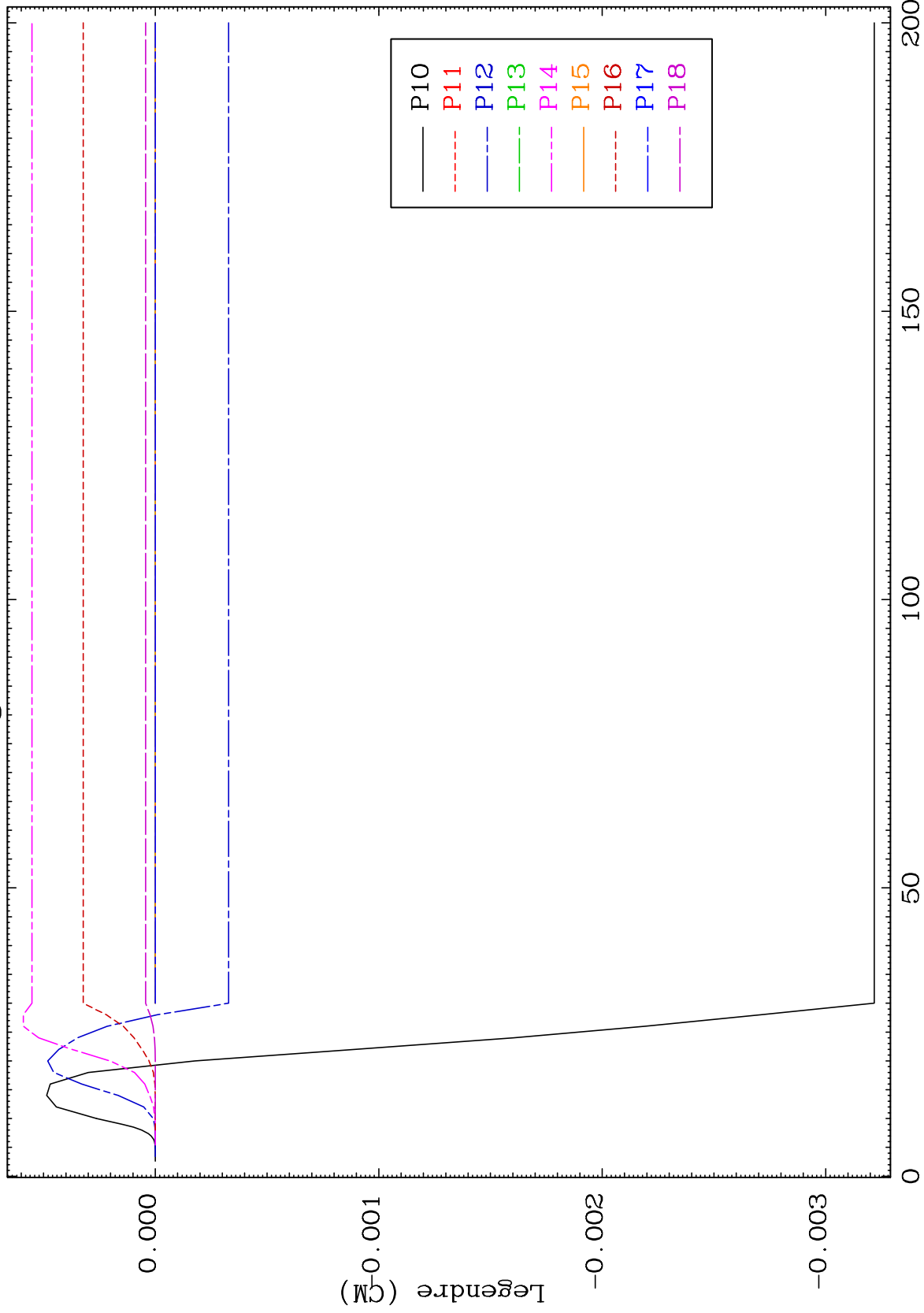
Incident Energy (MeV)

102

MAT 5425

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

54-Xe-124



103

Incident Energy (MeV)

54-Xe-124

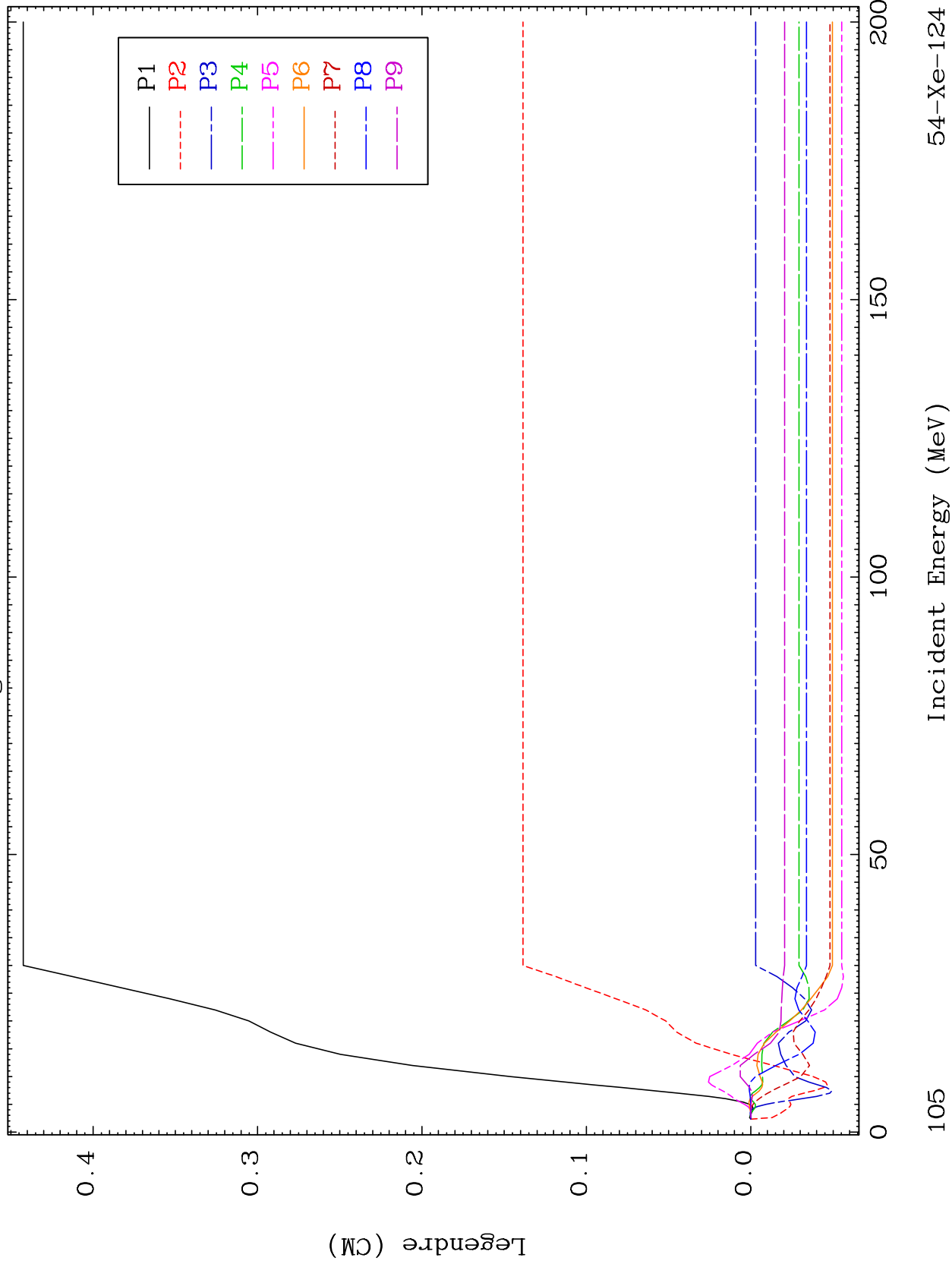




MAT 5425

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

54-Xe-124



54-Xe-124

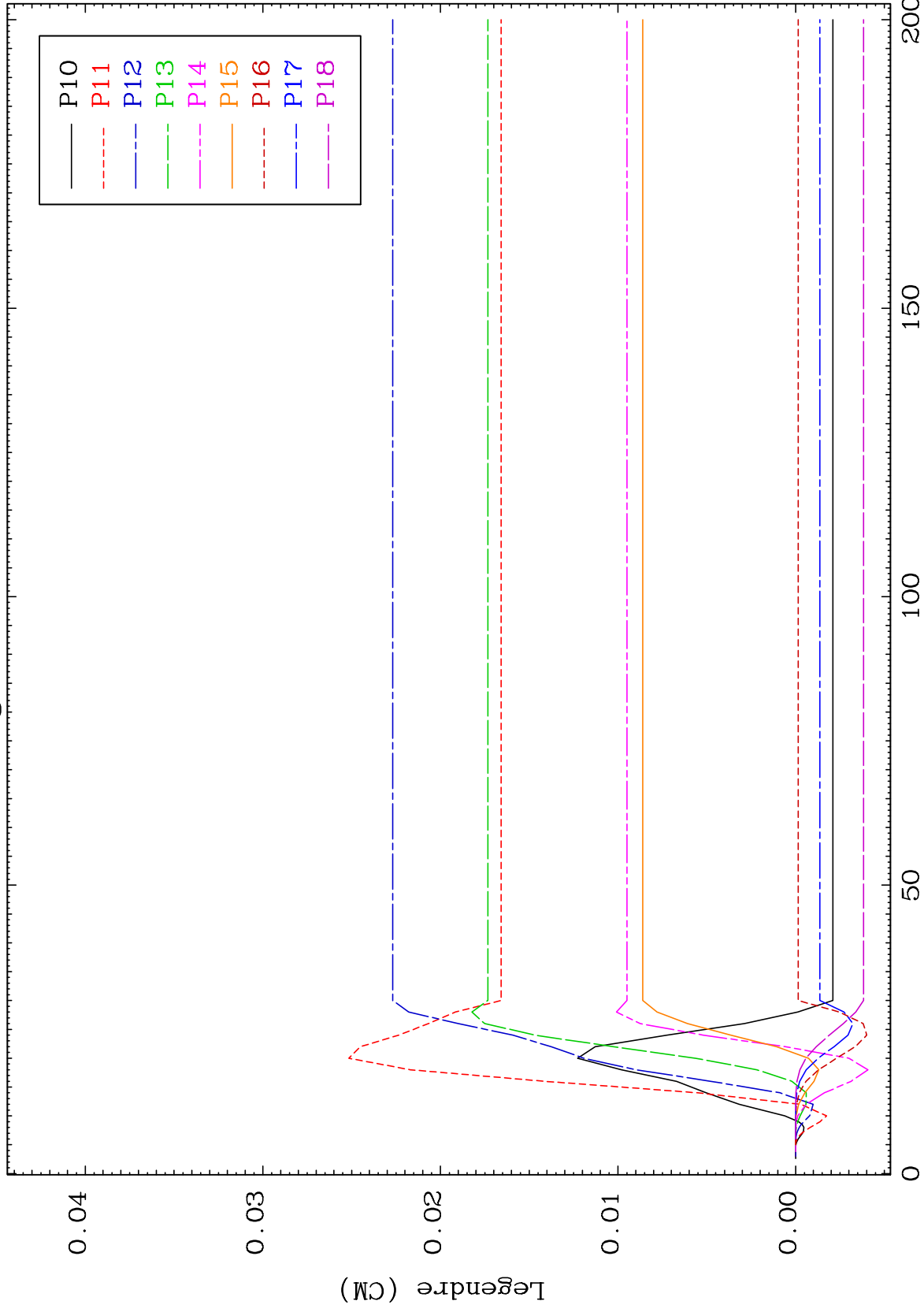
Incident Energy (MeV)

105

MAT 5425

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

54-Xe-124



106

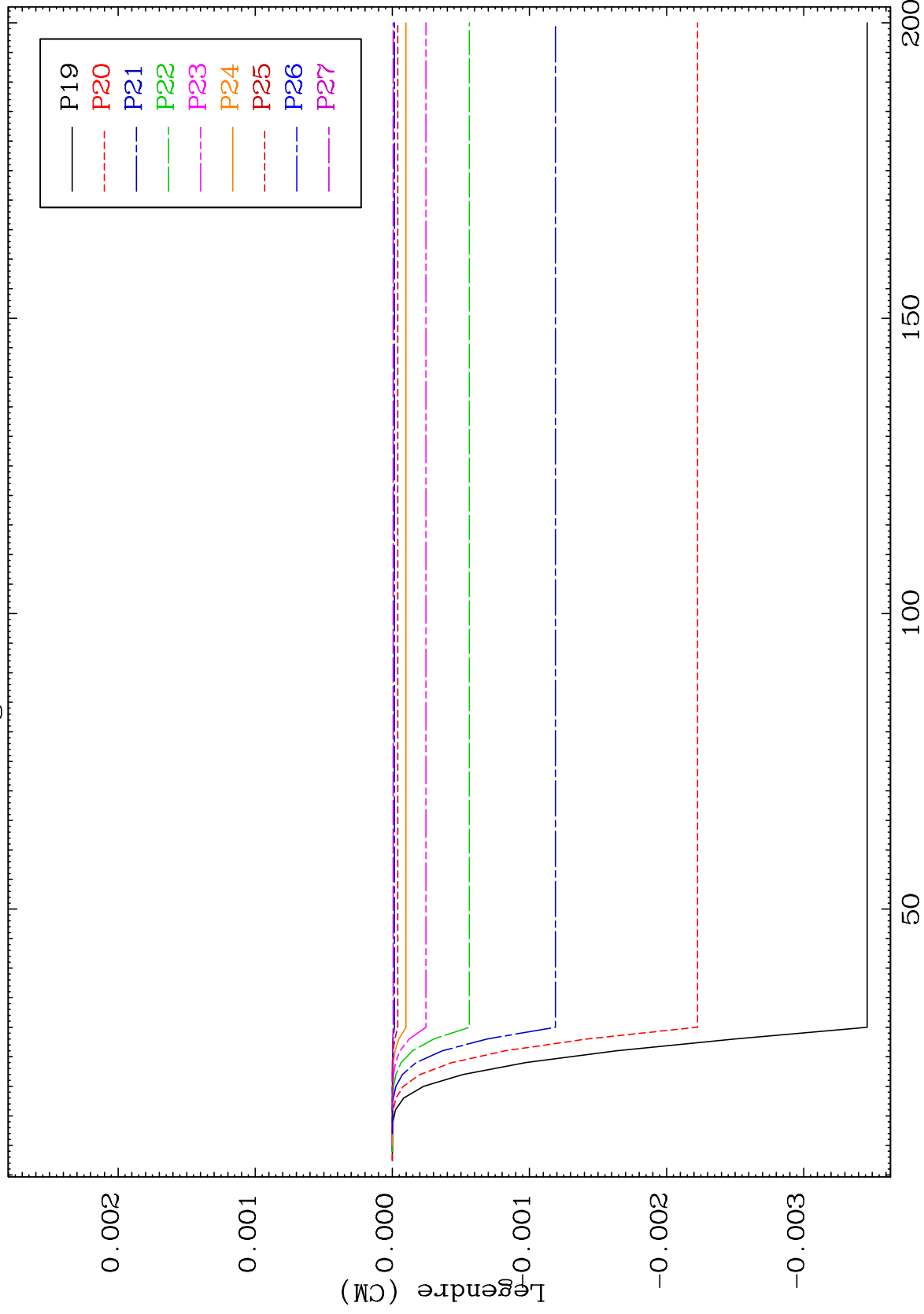
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

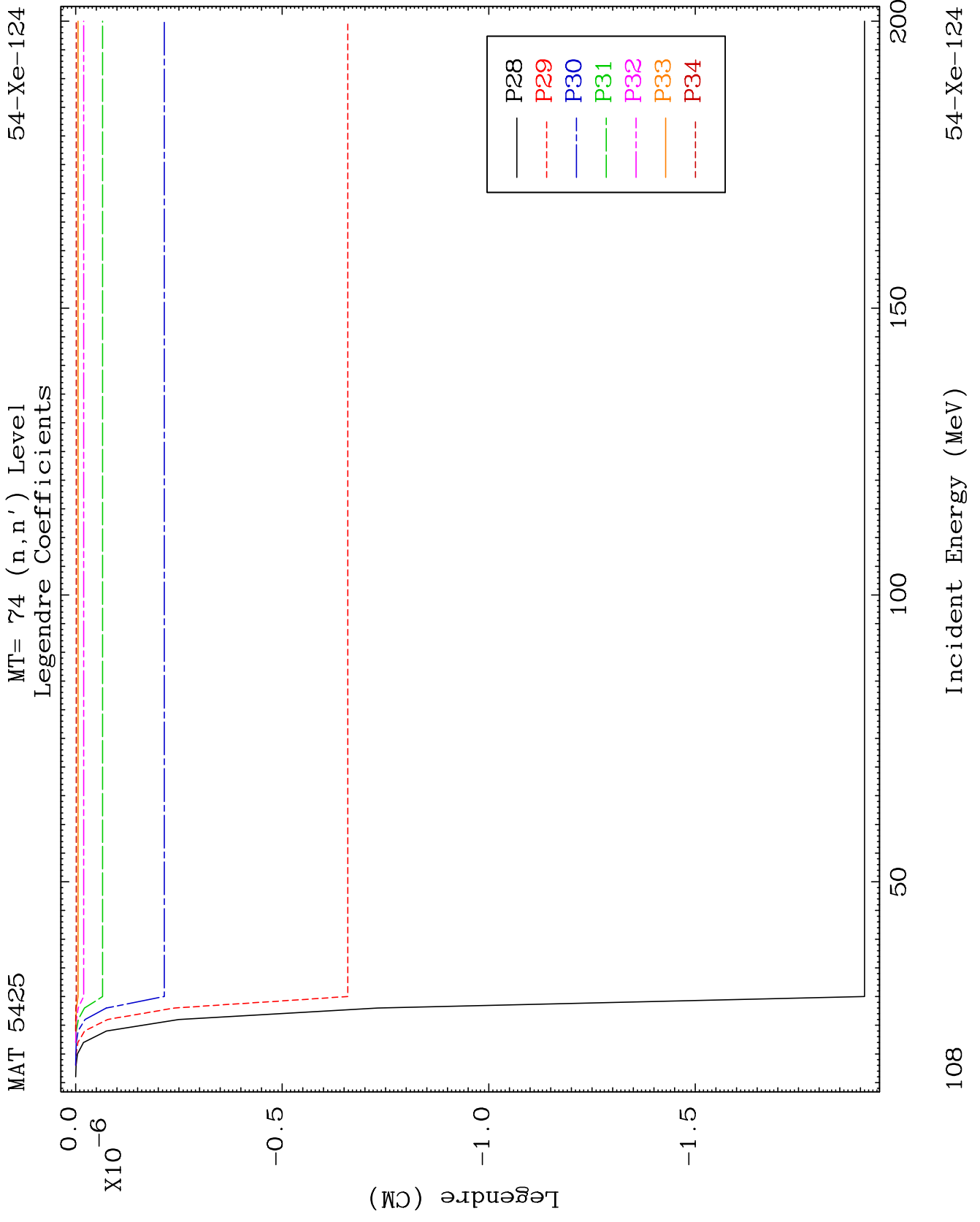
54-Xe-124



107

Incident Energy (MeV)

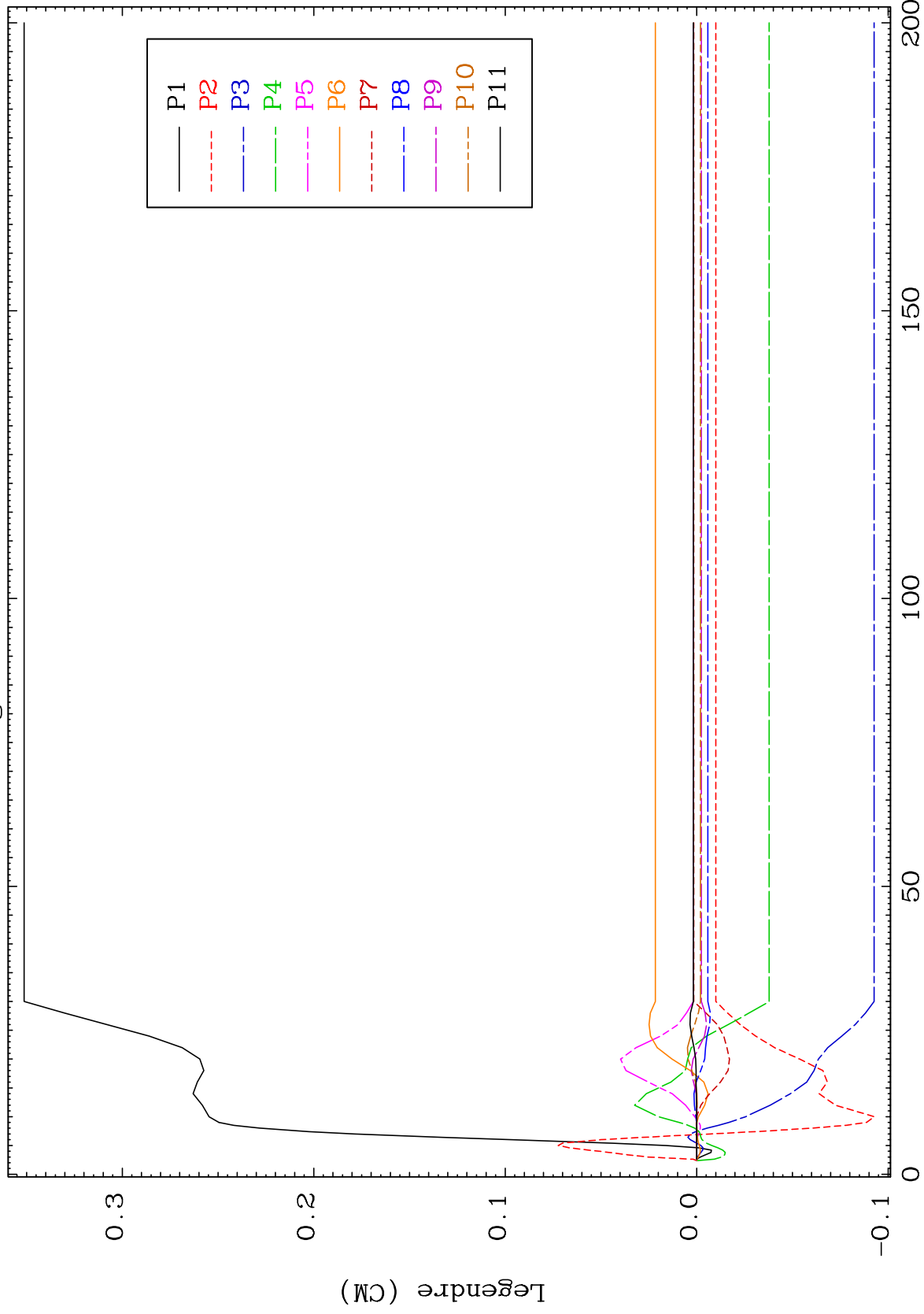
54-Xe-124



MAT 5425

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

54-Xe-124



54-Xe-124

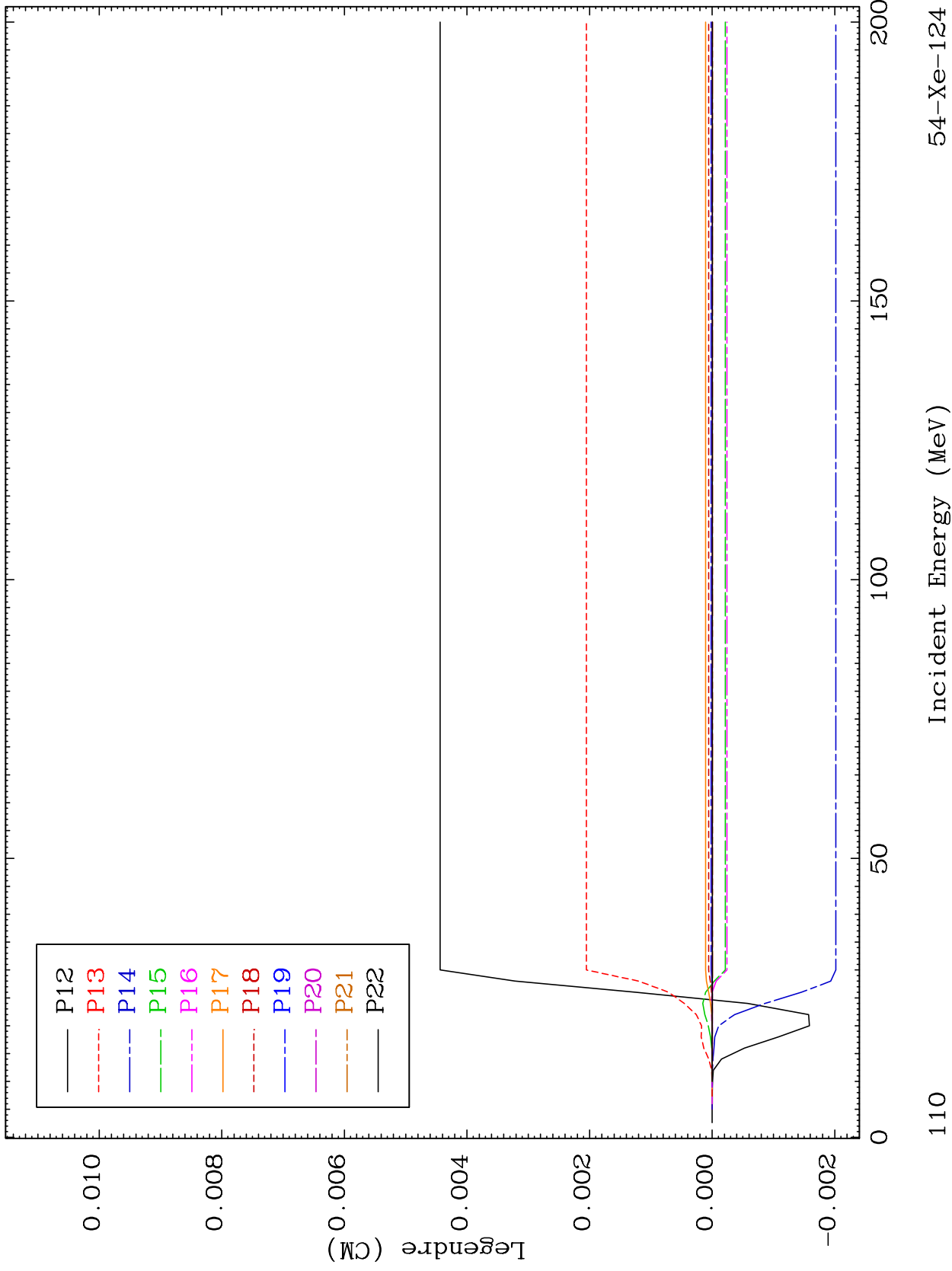
Incident Energy (MeV)

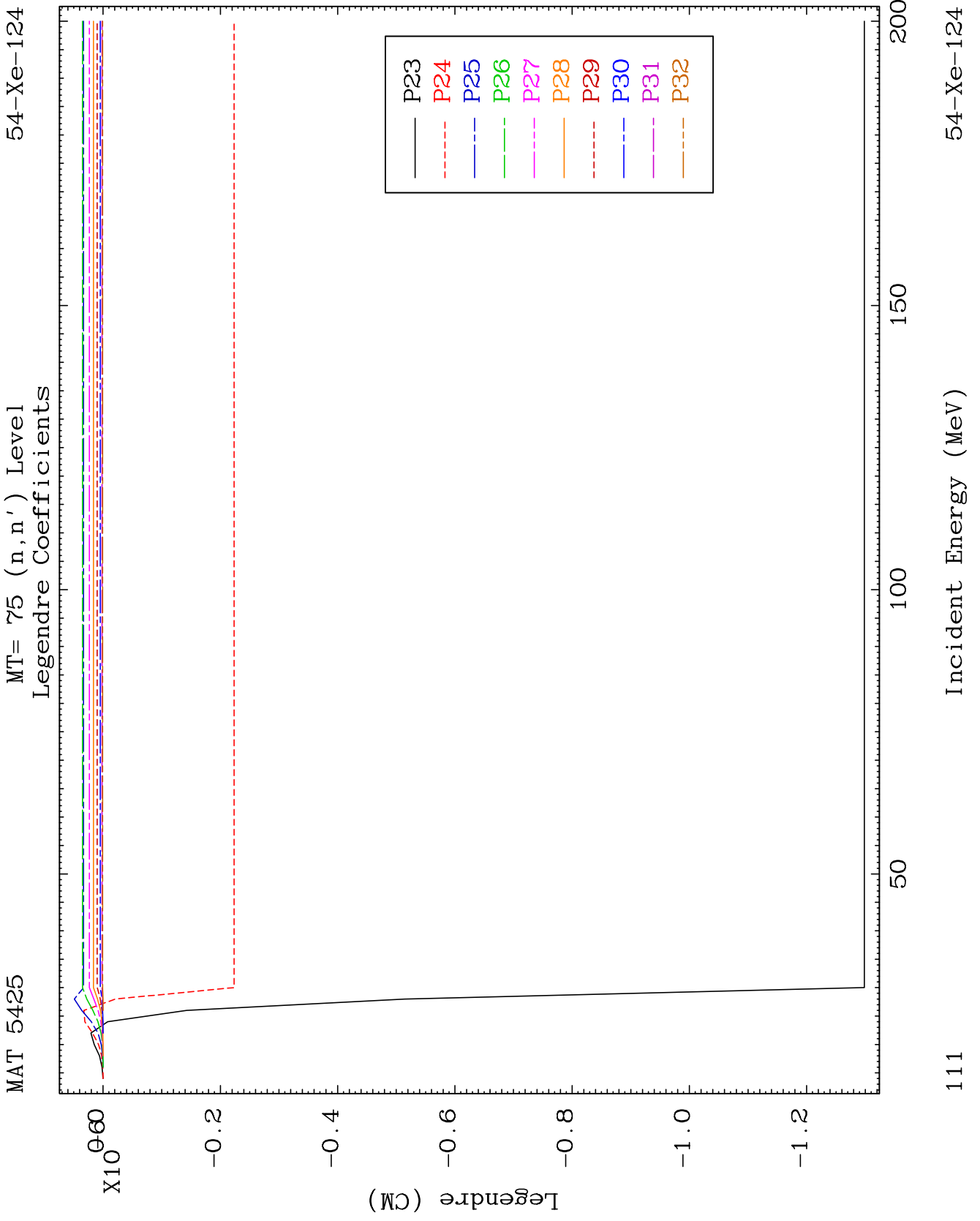
109

MAT 5425

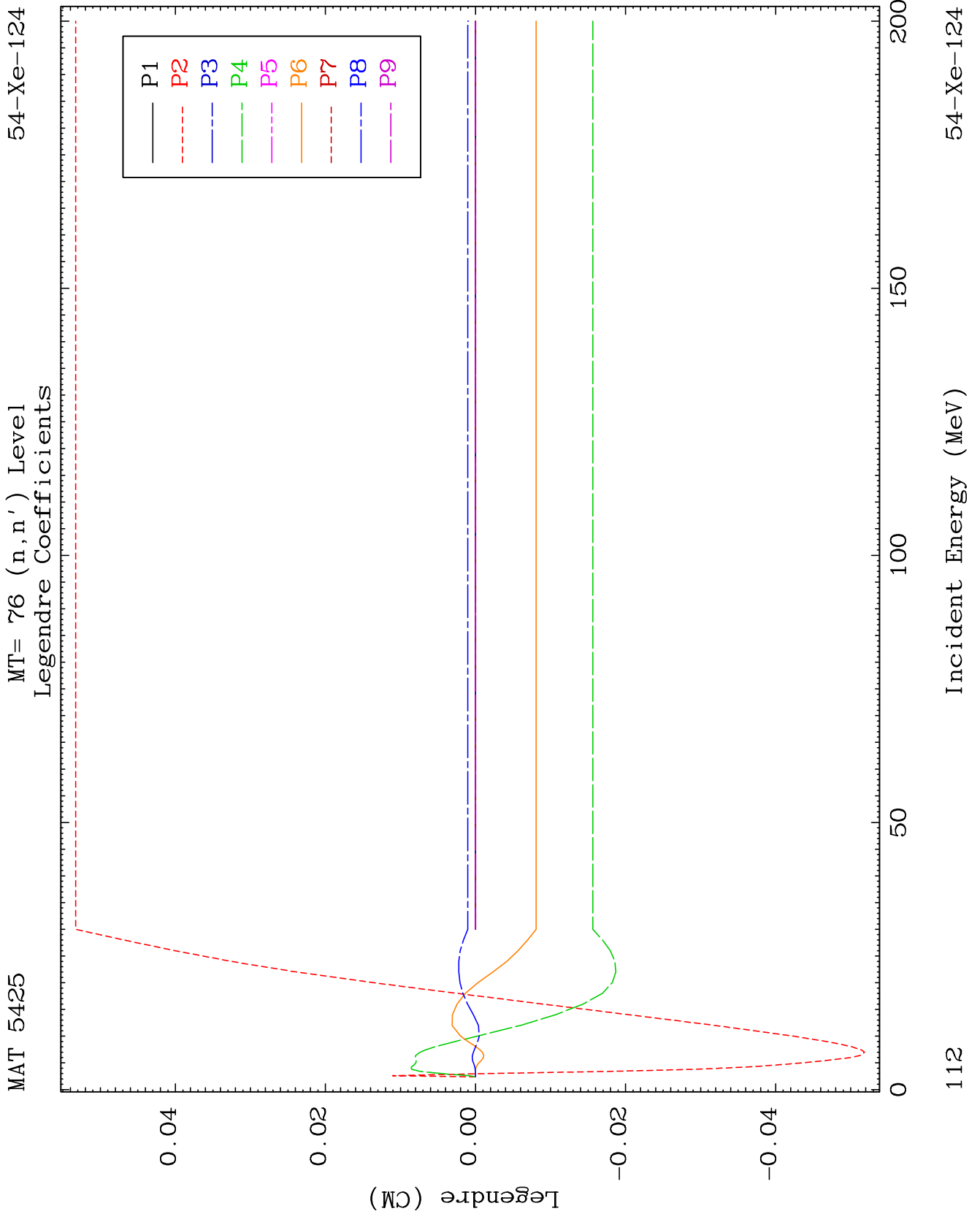
MT= 75 (n,n') Level  
Legendre Coefficients

54-Xe-124





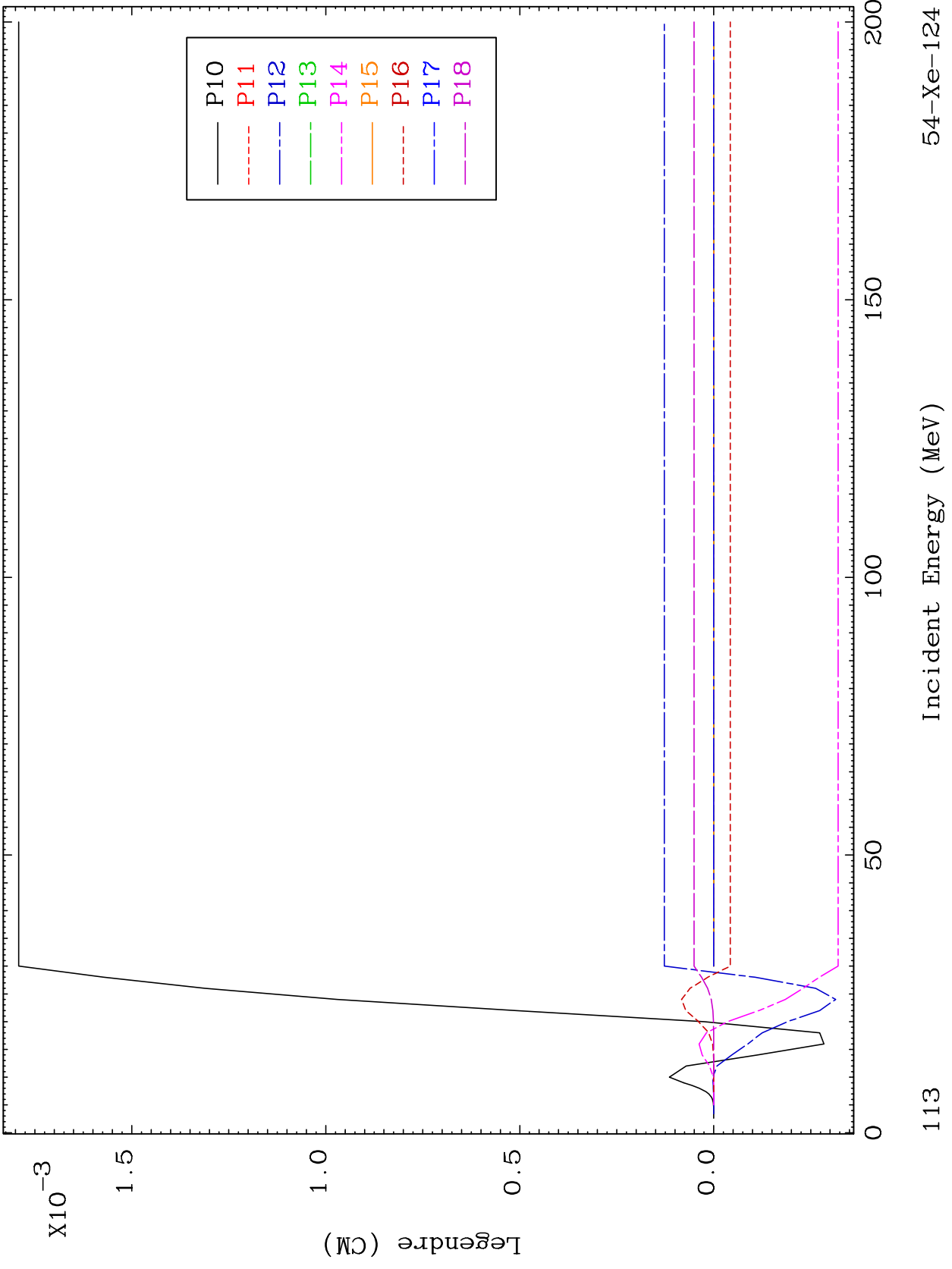




MAT 5425

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

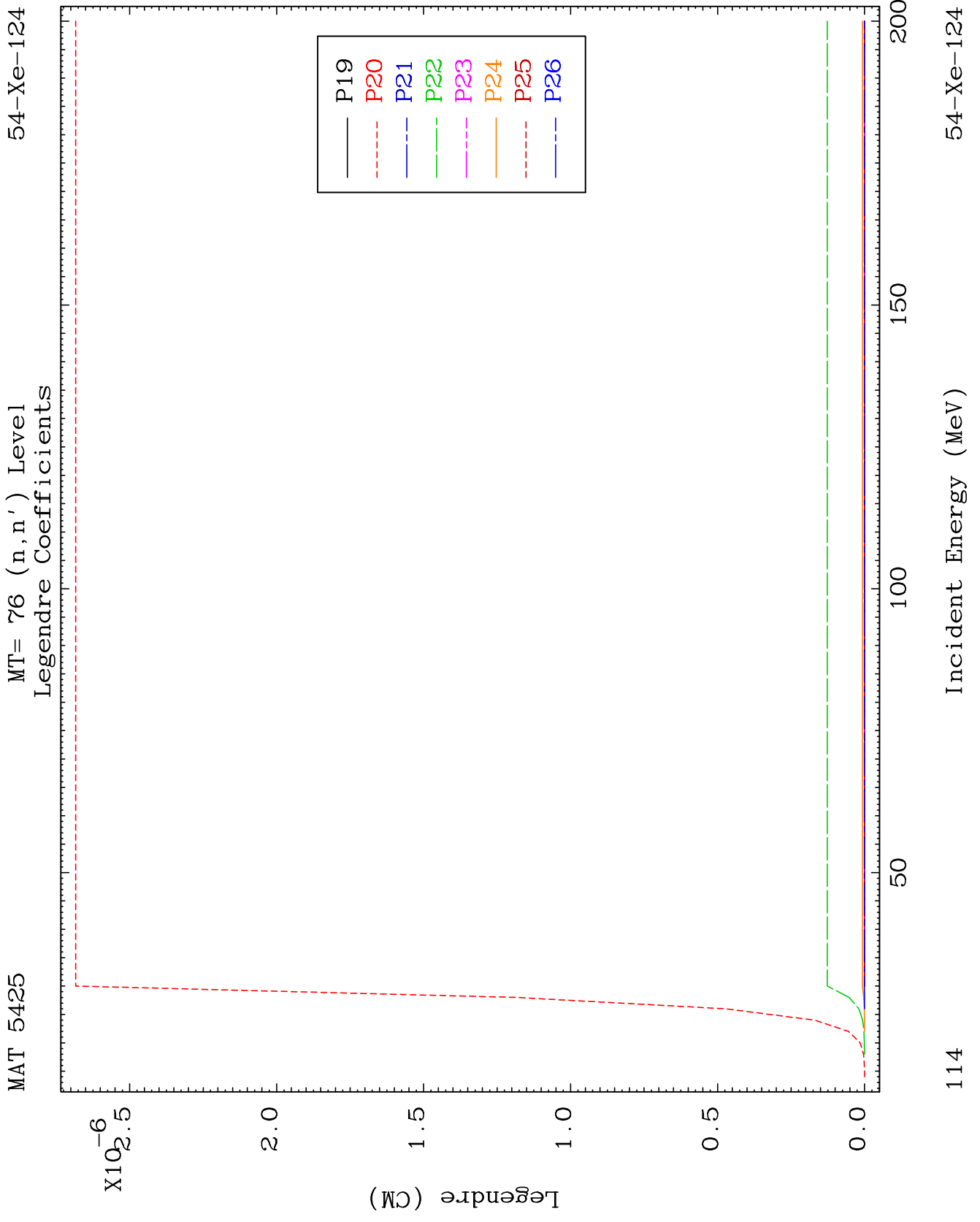
54-Xe-124

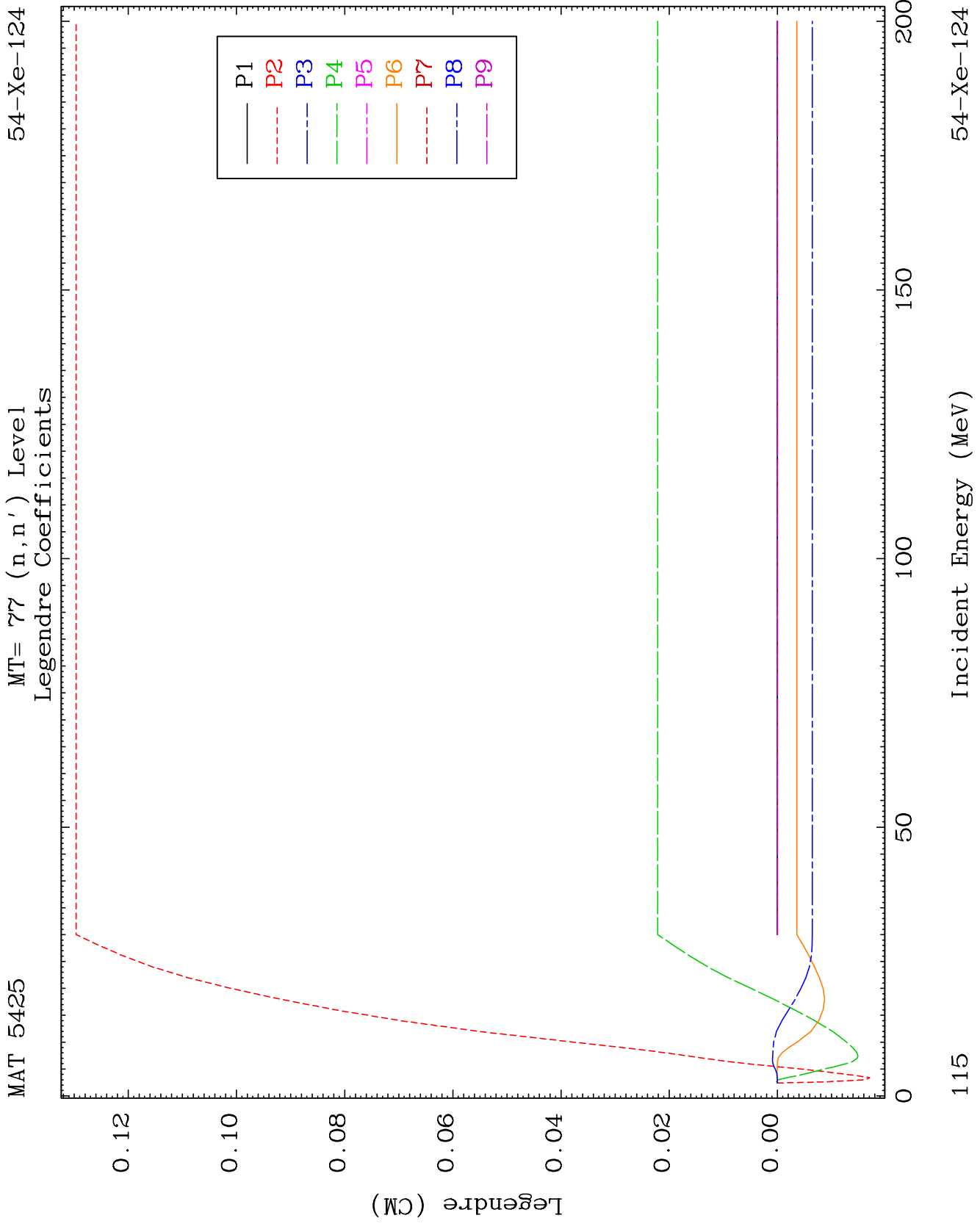


54-Xe-124

Incident Energy (MeV)

113

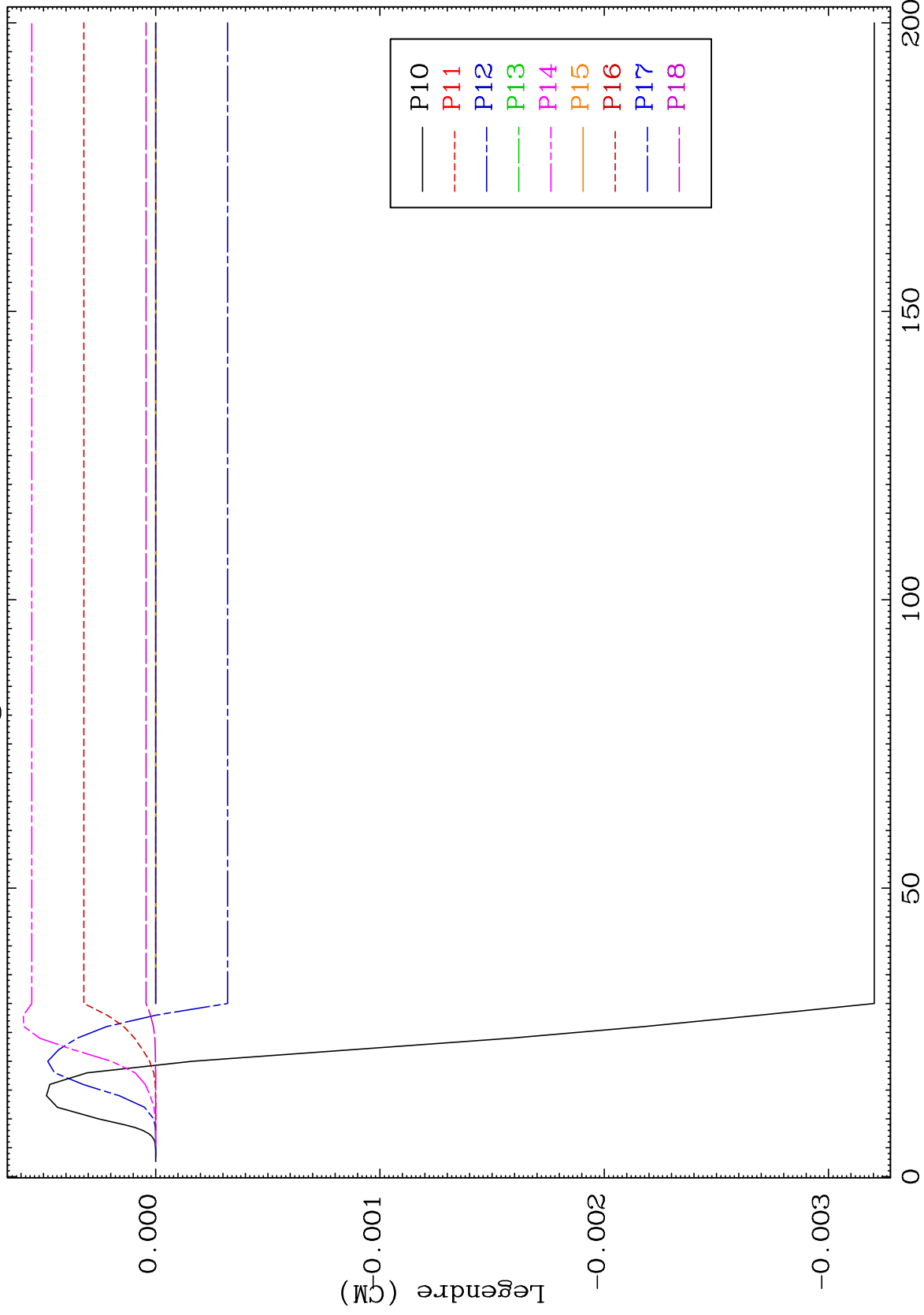




MAT 5425

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

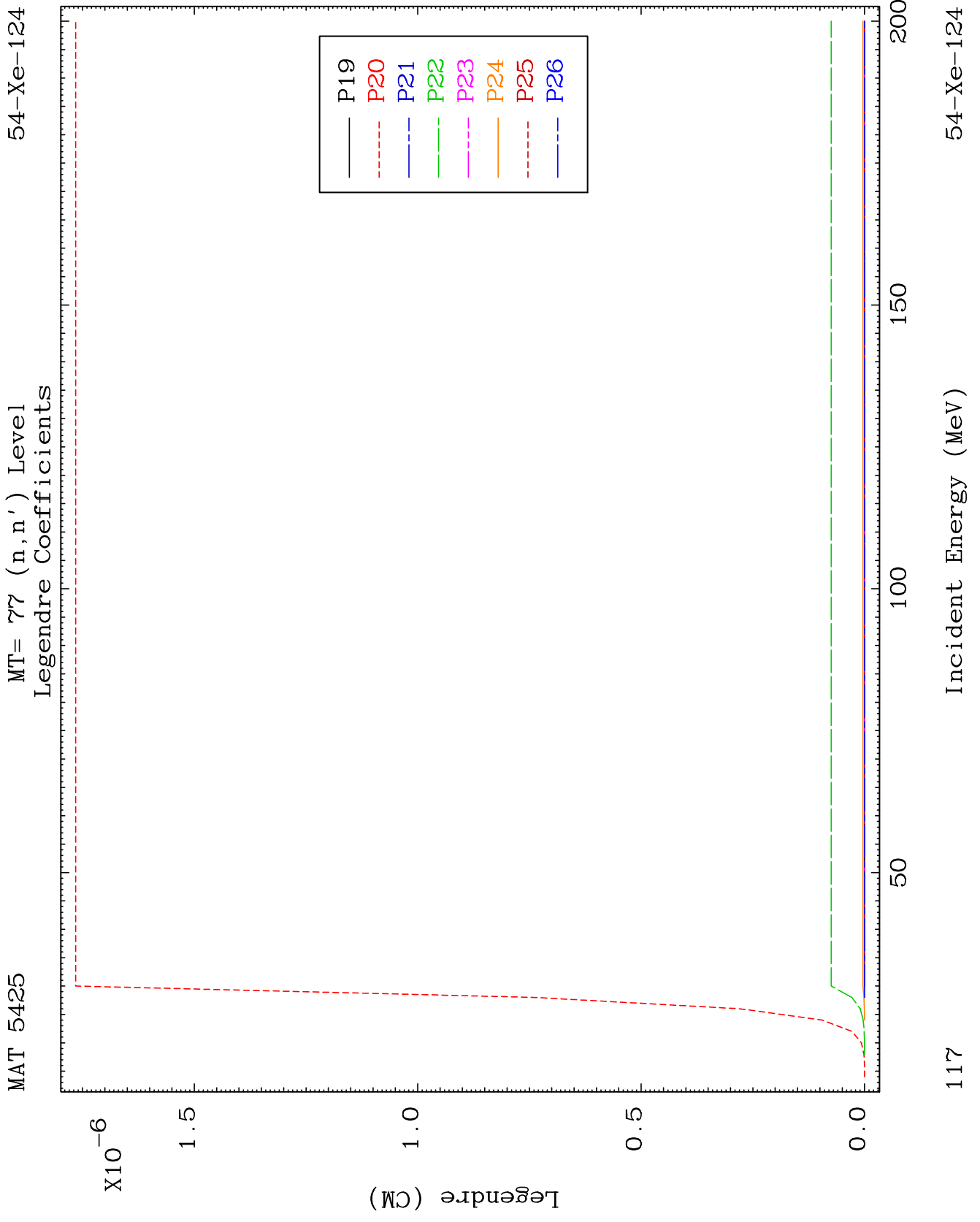
54-Xe-124



116

Incident Energy (MeV)

54-Xe-124

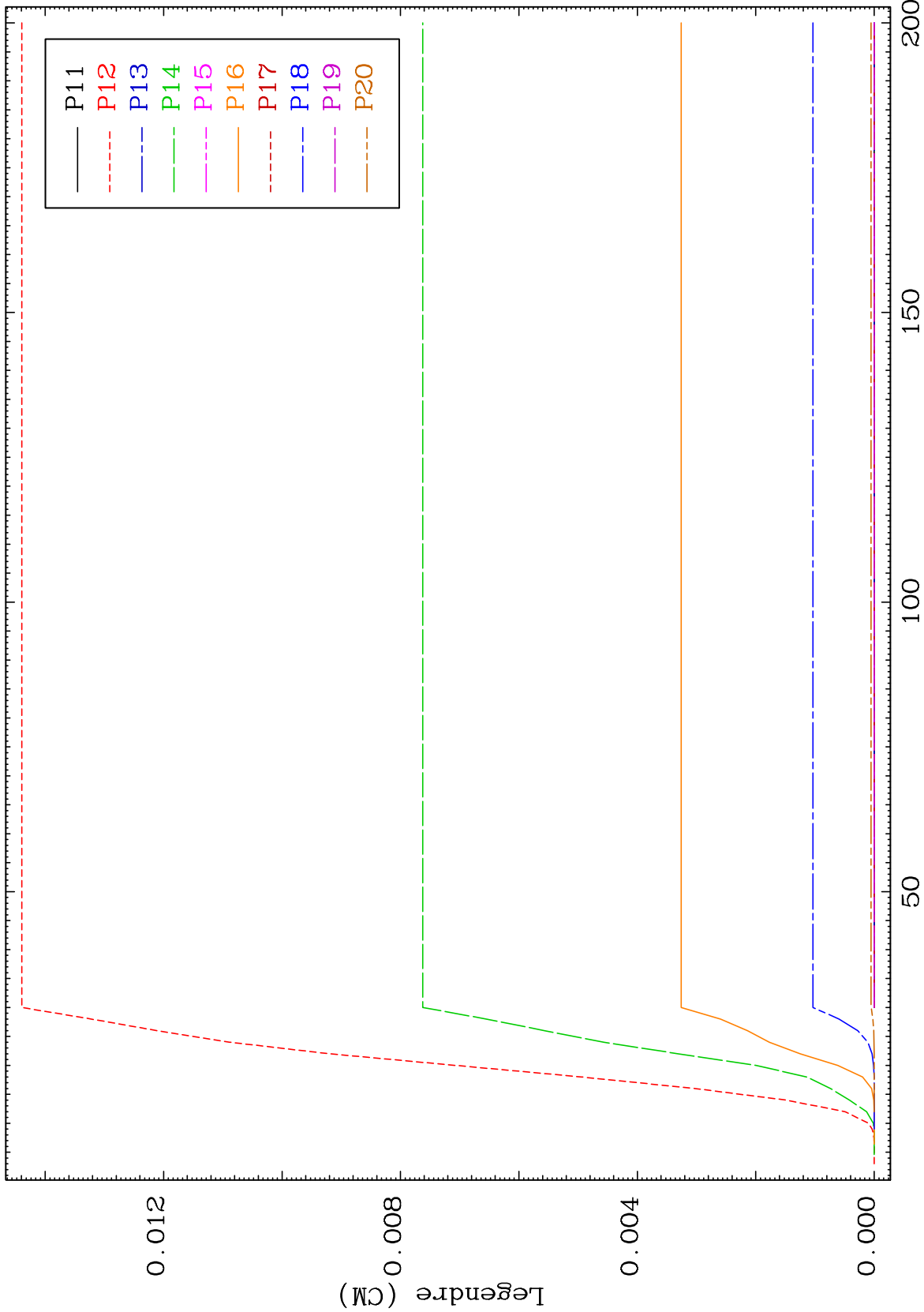




MAT 5425

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

54-Xe-124

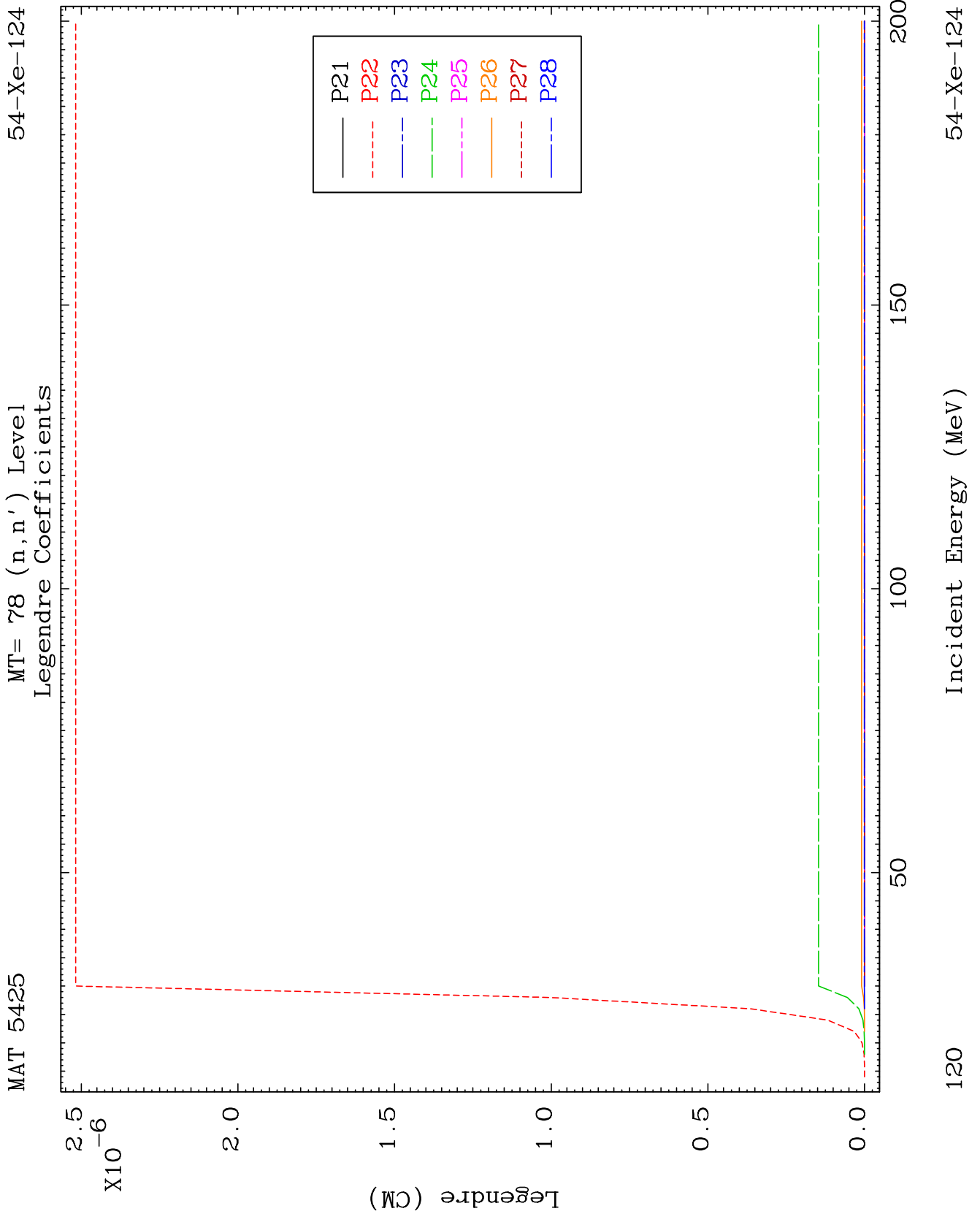


119

Incident Energy (MeV)

54-Xe-124

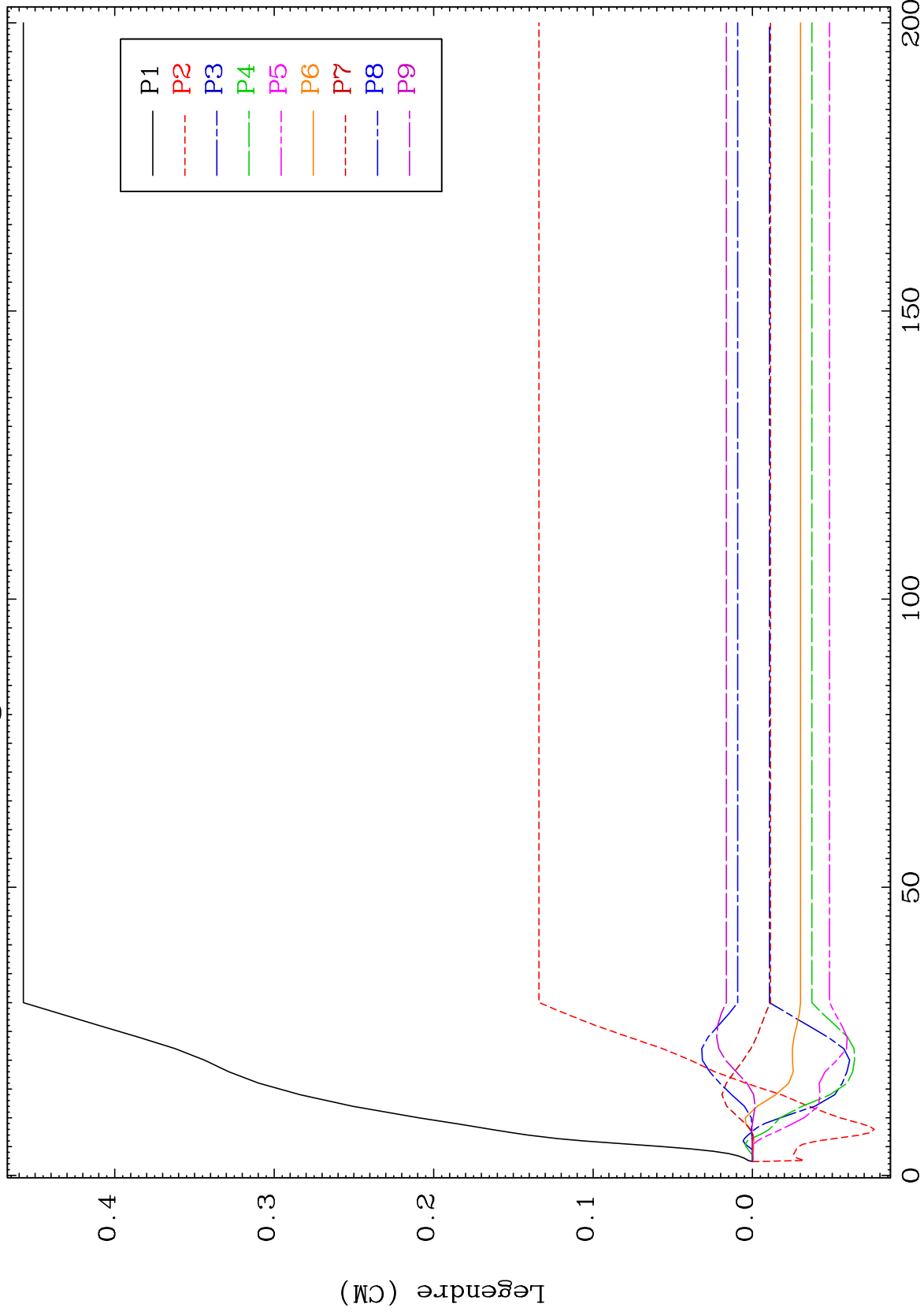




MAT 5425

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

54-Xe-124



121

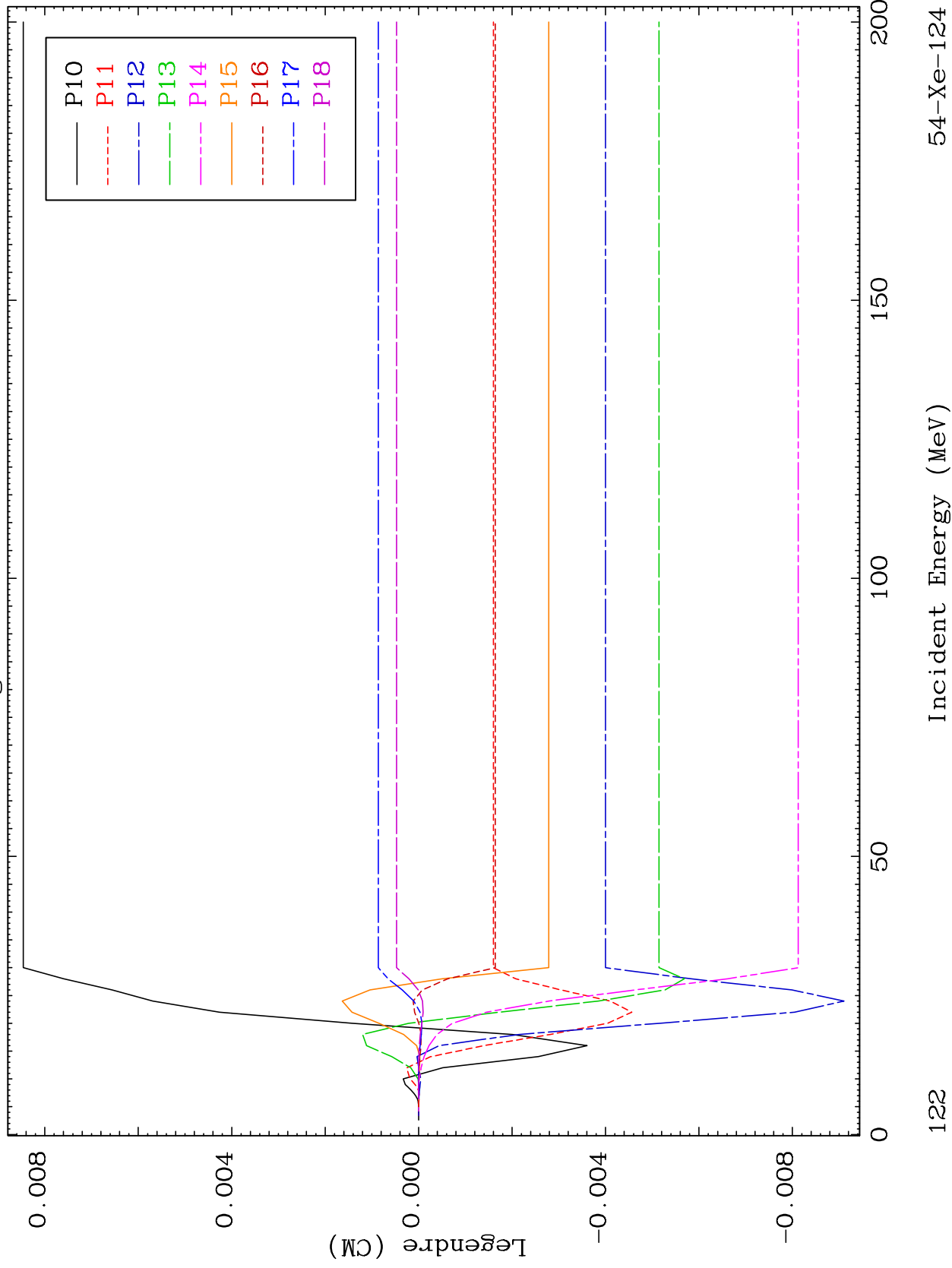
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124

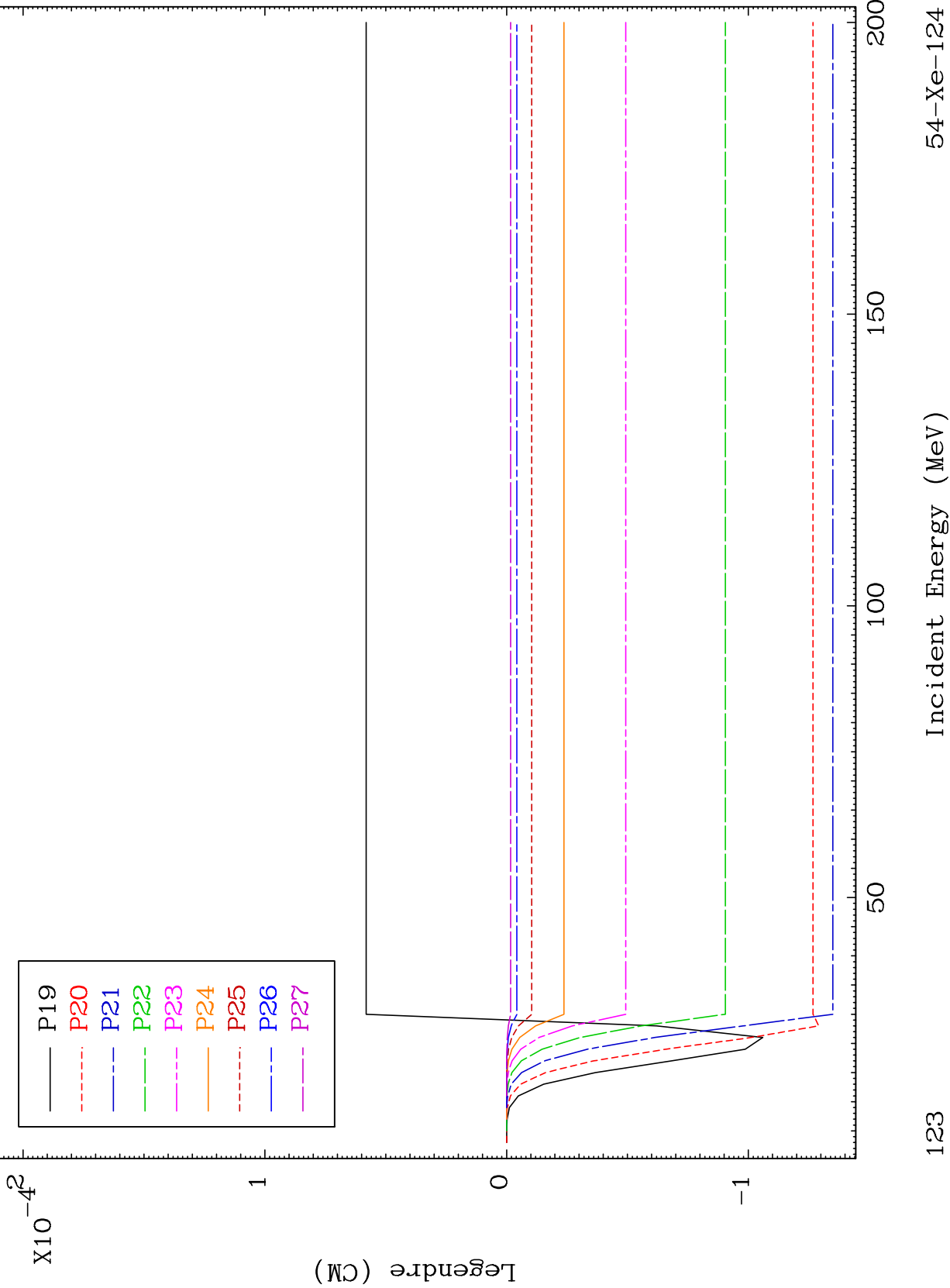


122

MAT 5425

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

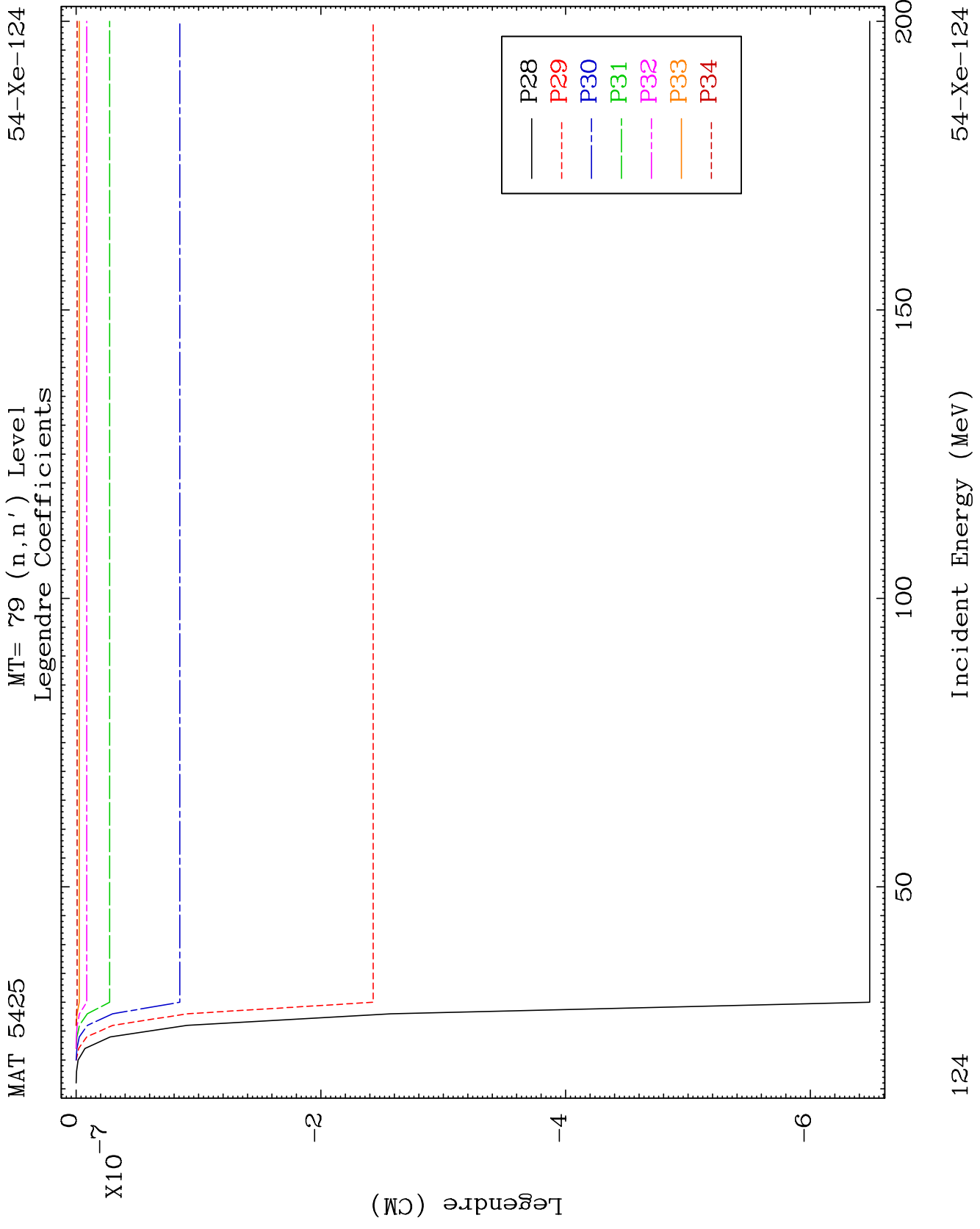
54-Xe-124

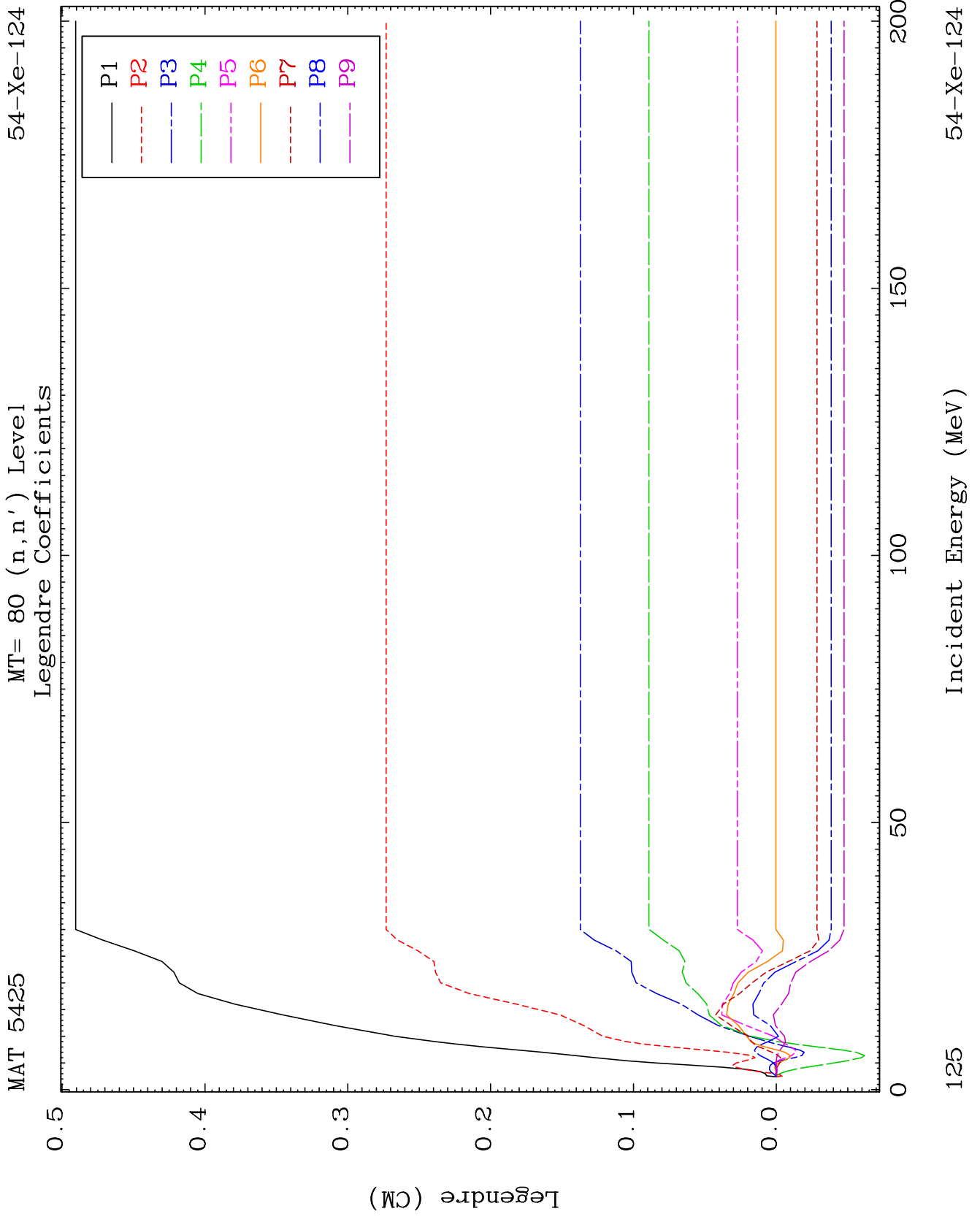


123

Incident Energy (MeV)

54-Xe-124

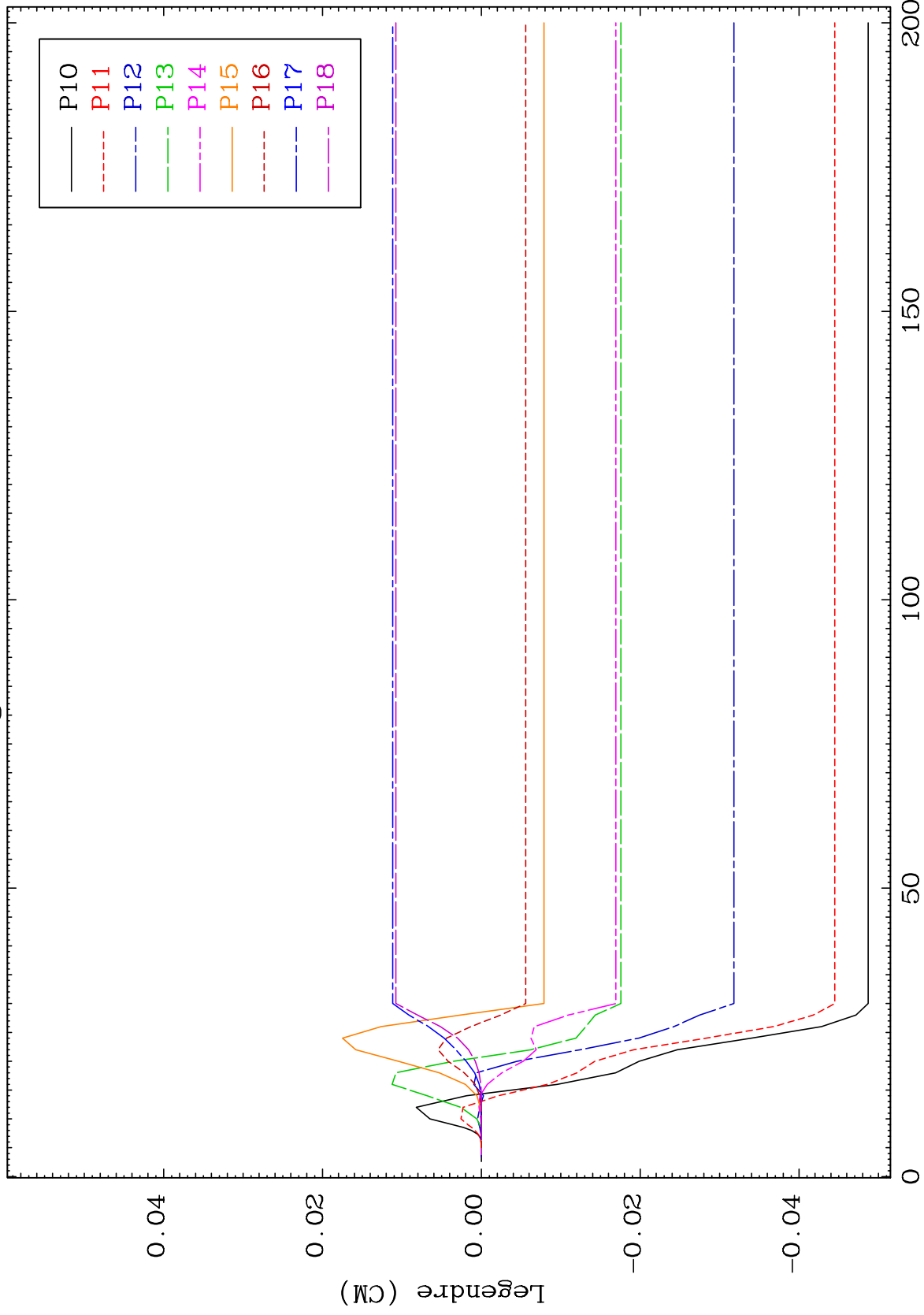




MAT 5425

MT= 80 (n,n') Level  
Legendre Coefficients

54-Xe-124



126

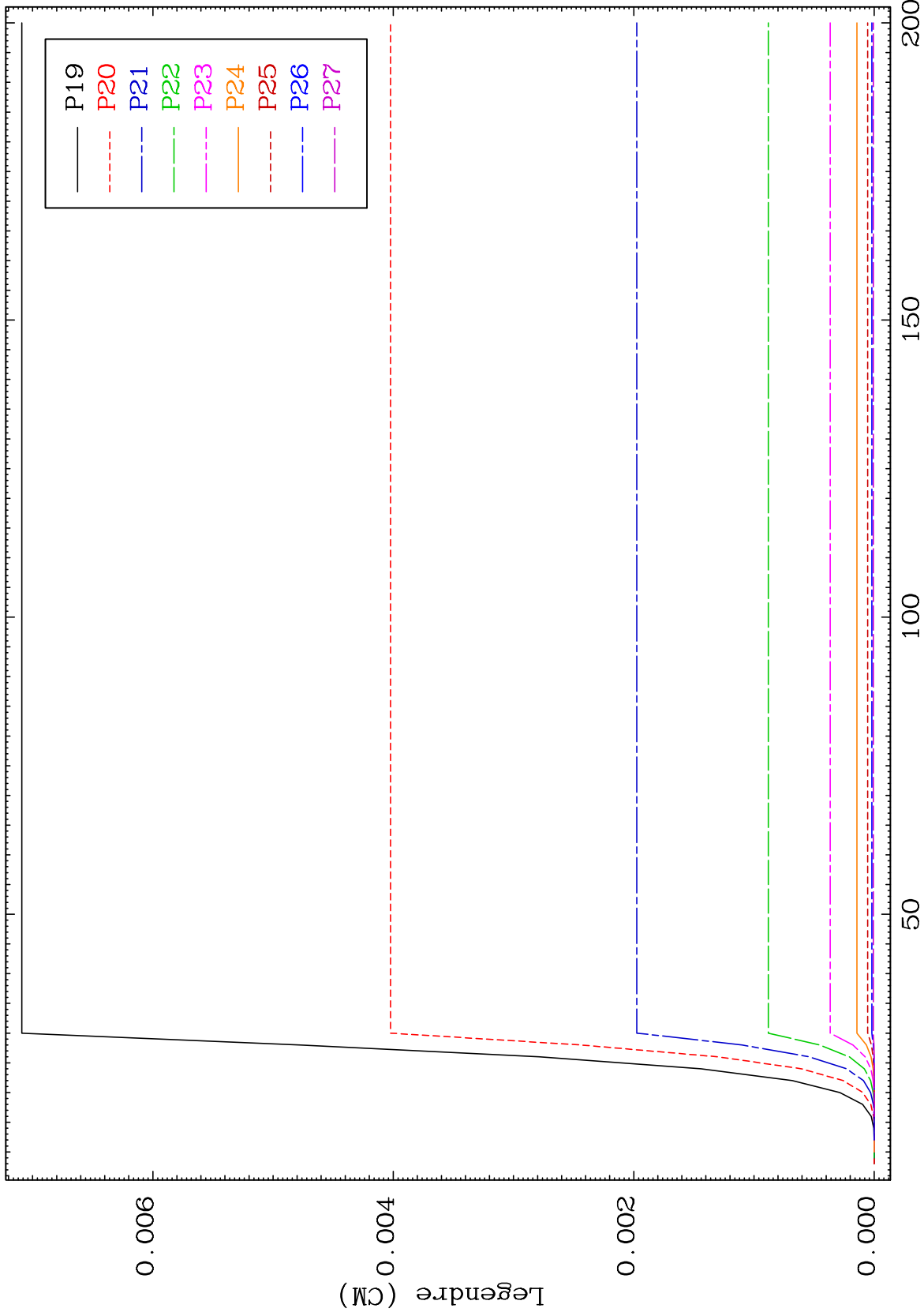
Incident Energy (MeV)

54-Xe-124

MAT 5425

MT= 80 (n,n') Level  
Legendre Coefficients

54-Xe-124



127

Incident Energy (MeV)

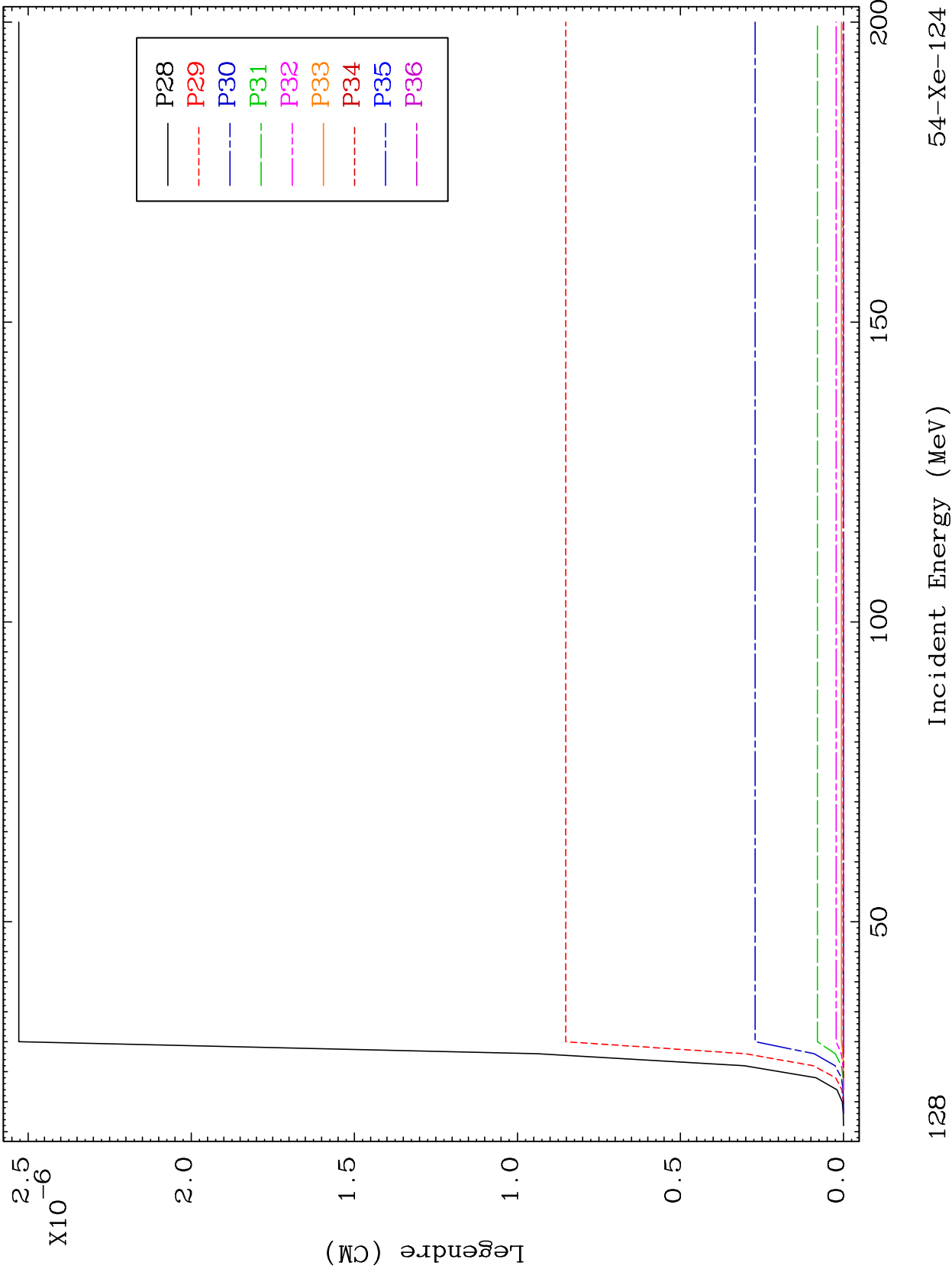
54-Xe-124



MAT 5425

MT= 80 (n,n') Level  
Legendre Coefficients

54-Xe-124



128

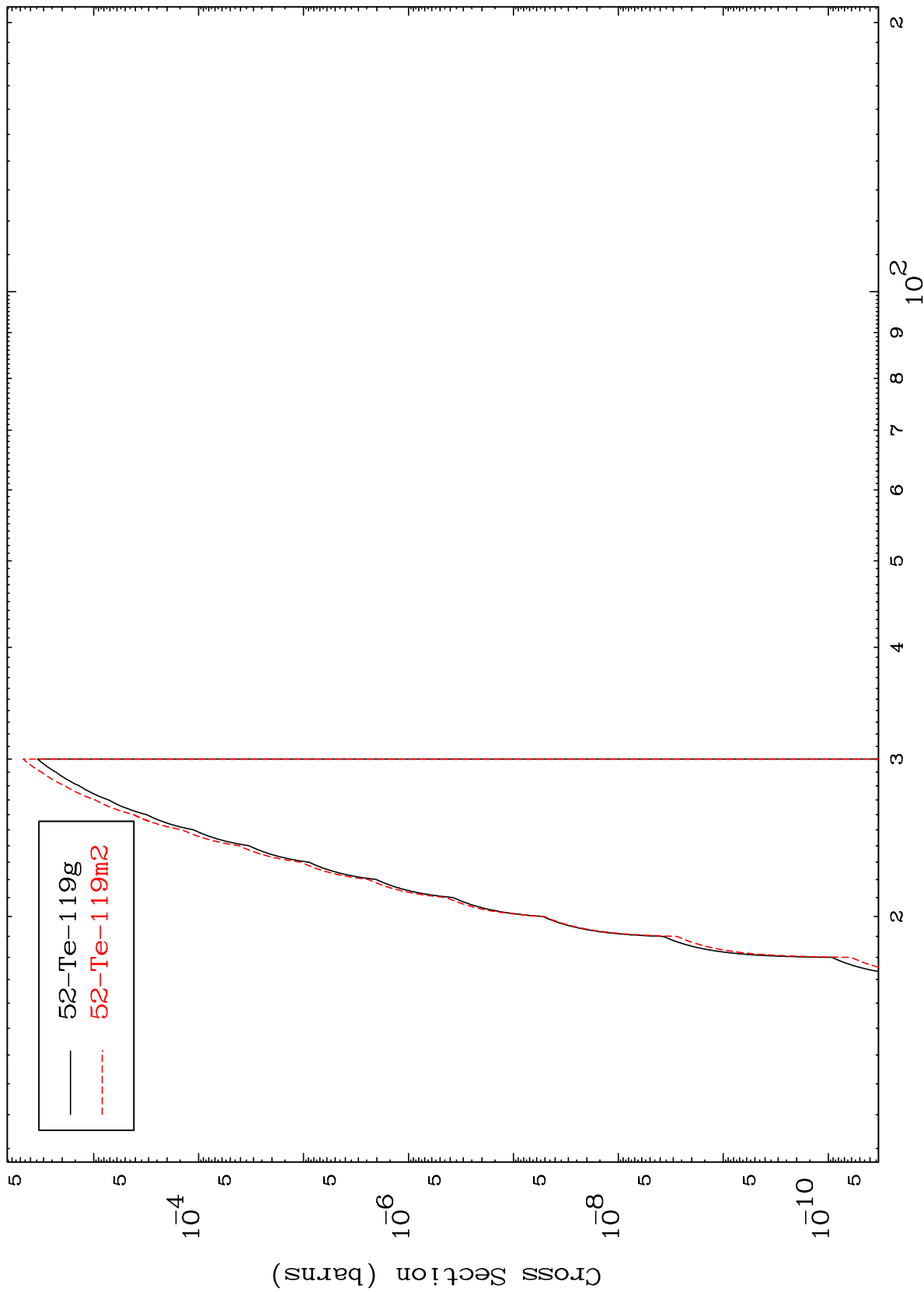
54-Xe-124

MAT 5425

(n,2n)  $\alpha$

54-Xe-124

Radionuclide Production Cross Section



129

Incident Energy (MeV)

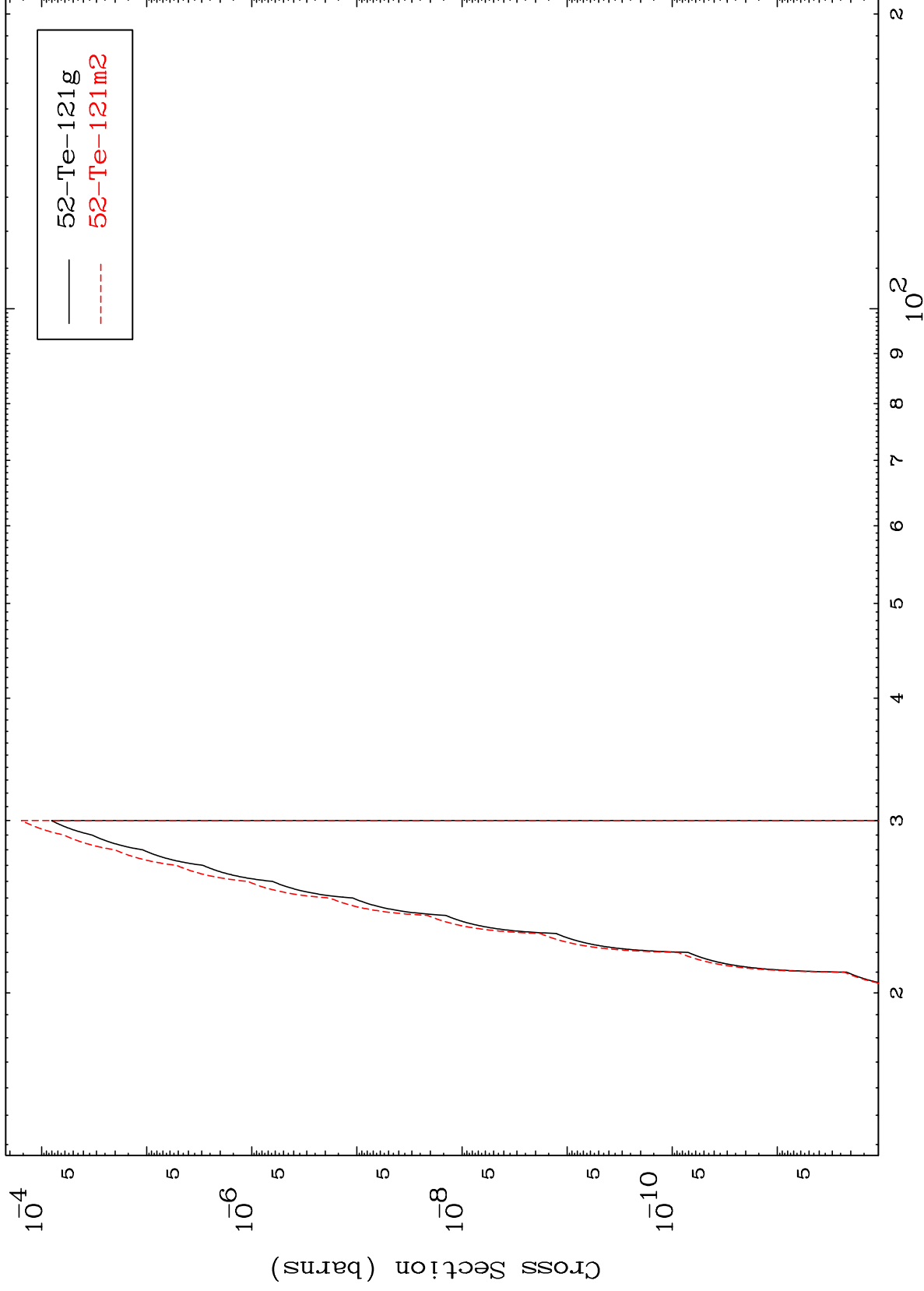
54-Xe-124

MAT 5425

(n,n') He-3

54-Xe-124

Radionuclide Production Cross Section



130

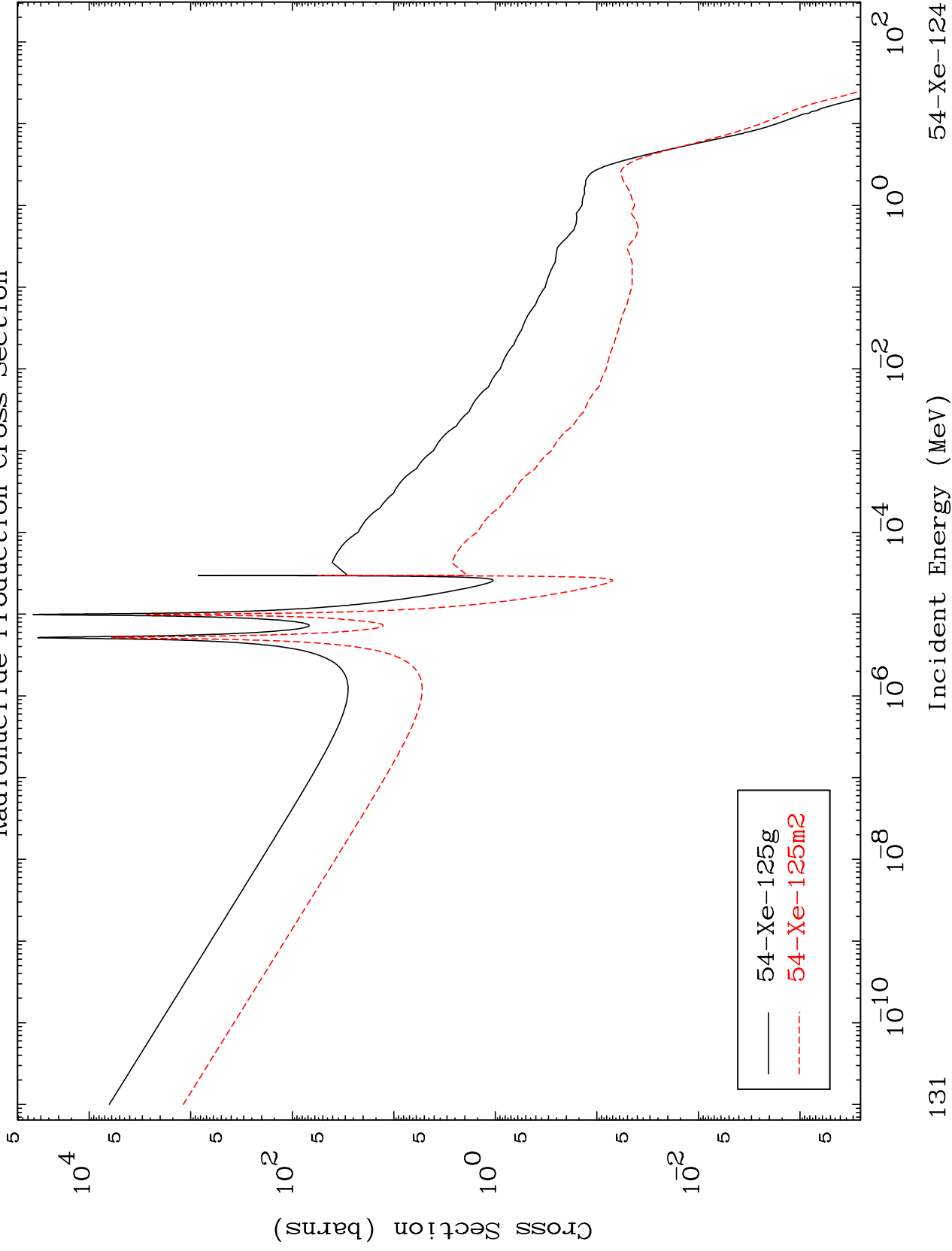
Incident Energy (MeV)

54-Xe-124

MAT 5425

54-Xe-124

(n,γ)  
Radionuclide Production Cross Section

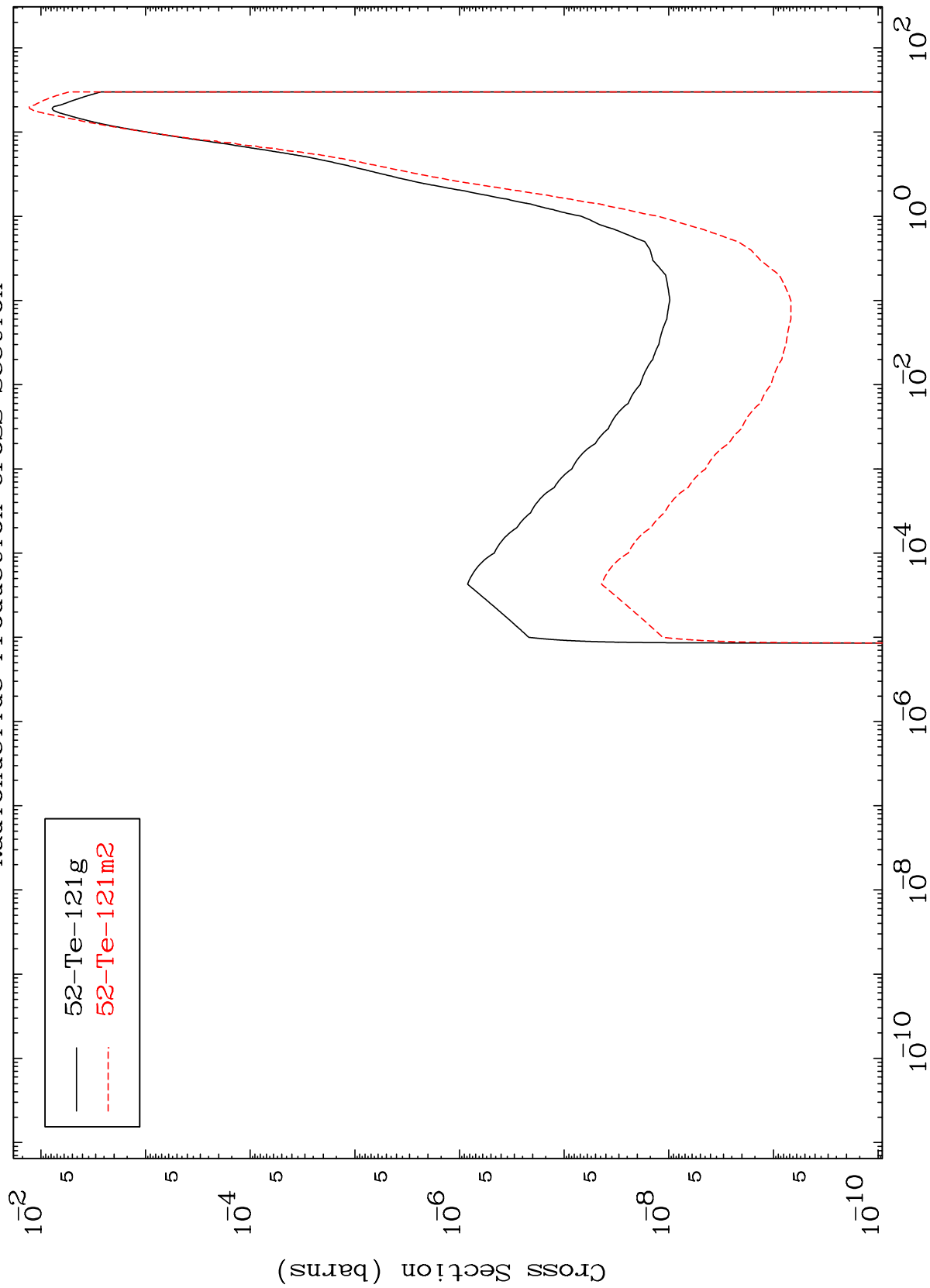


131

MAT 5425

54-Xe-124

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



132

54-Xe-124

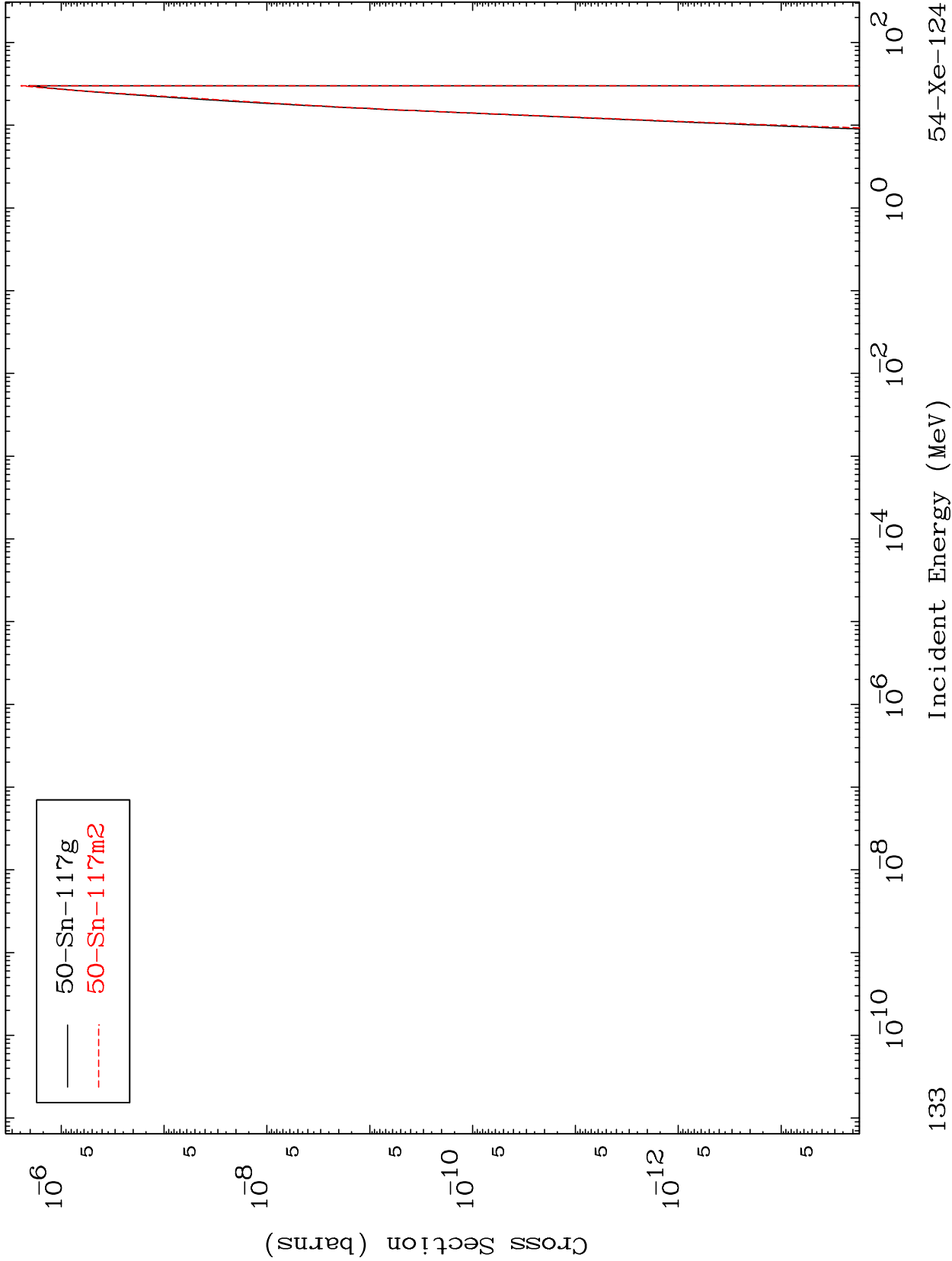
Incident Energy (MeV)

MAT 5425

(n,2α)

54-Xe-124

Radionuclide Production Cross Section

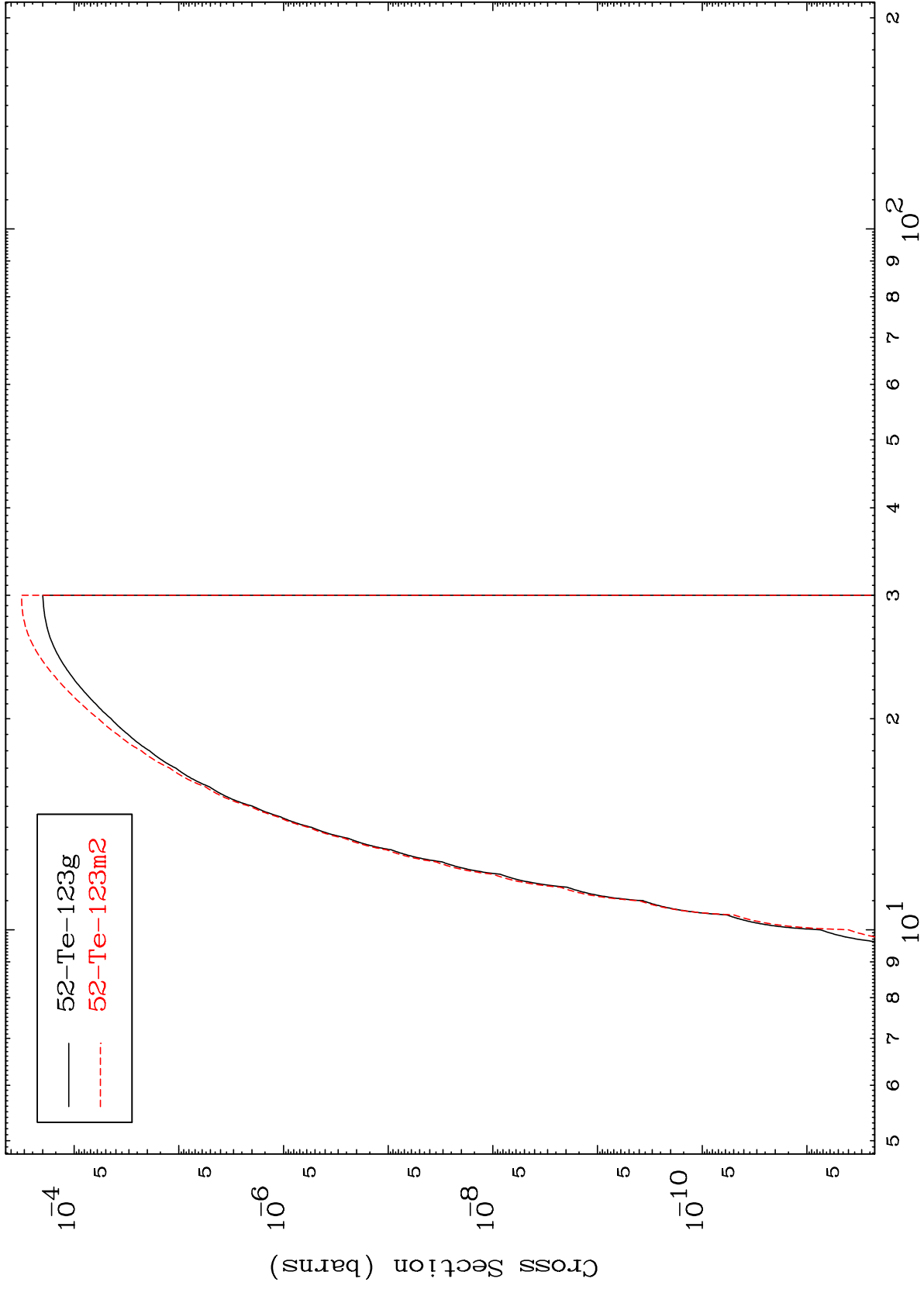


50-Sn-117g  
50-Sn-117m2

MAT 5425

54-Xe-124

(n,2p)  
Radionuclide Production Cross Section



134

Incident Energy (MeV)

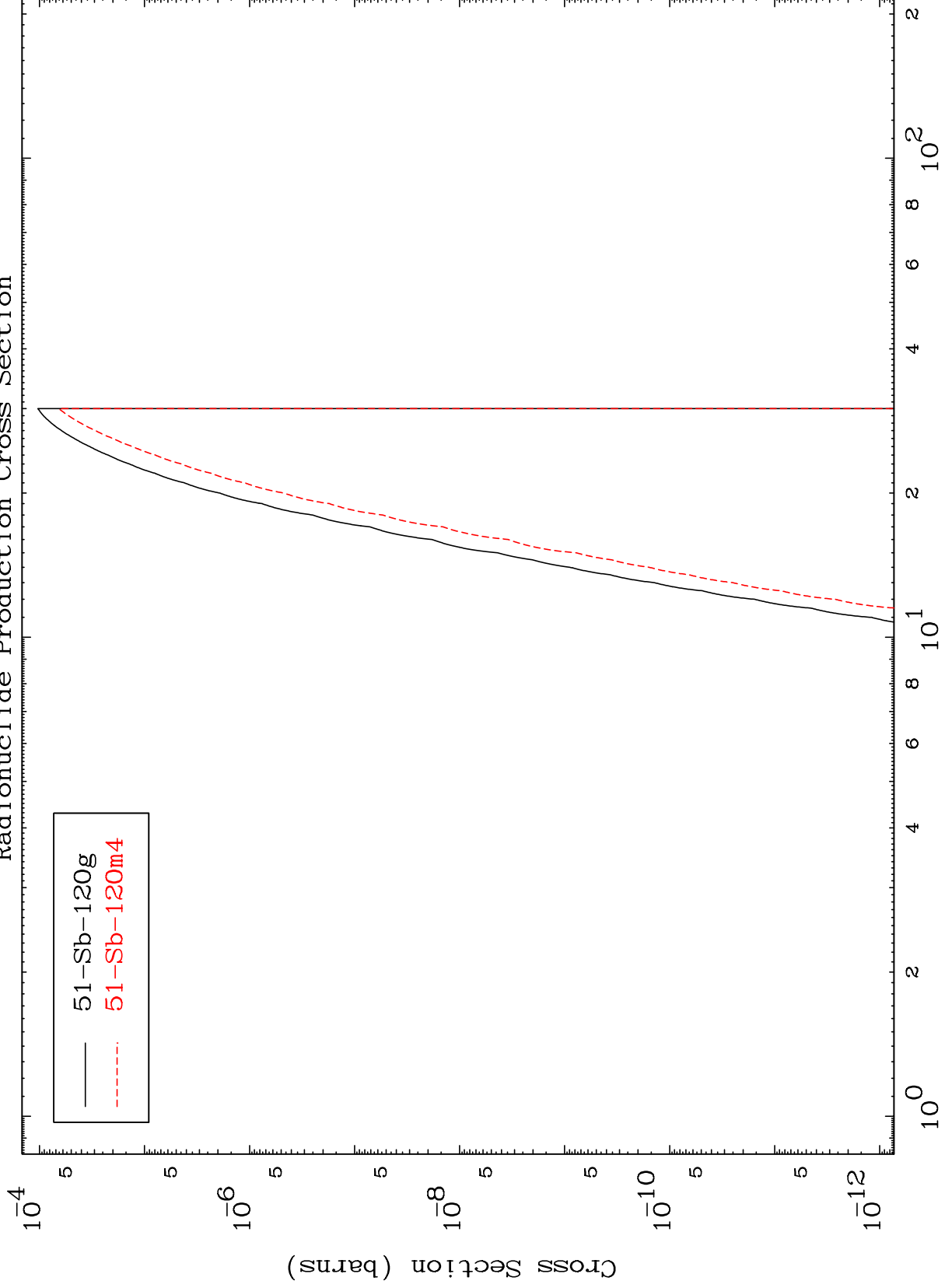
54-Xe-124

MAT 5425

(n,p)  $\alpha$

54-Xe-124

Radionuclide Production Cross Section



51-Sb-120g  
51-Sb-120m4

Incident Energy (MeV)

54-Xe-124

135

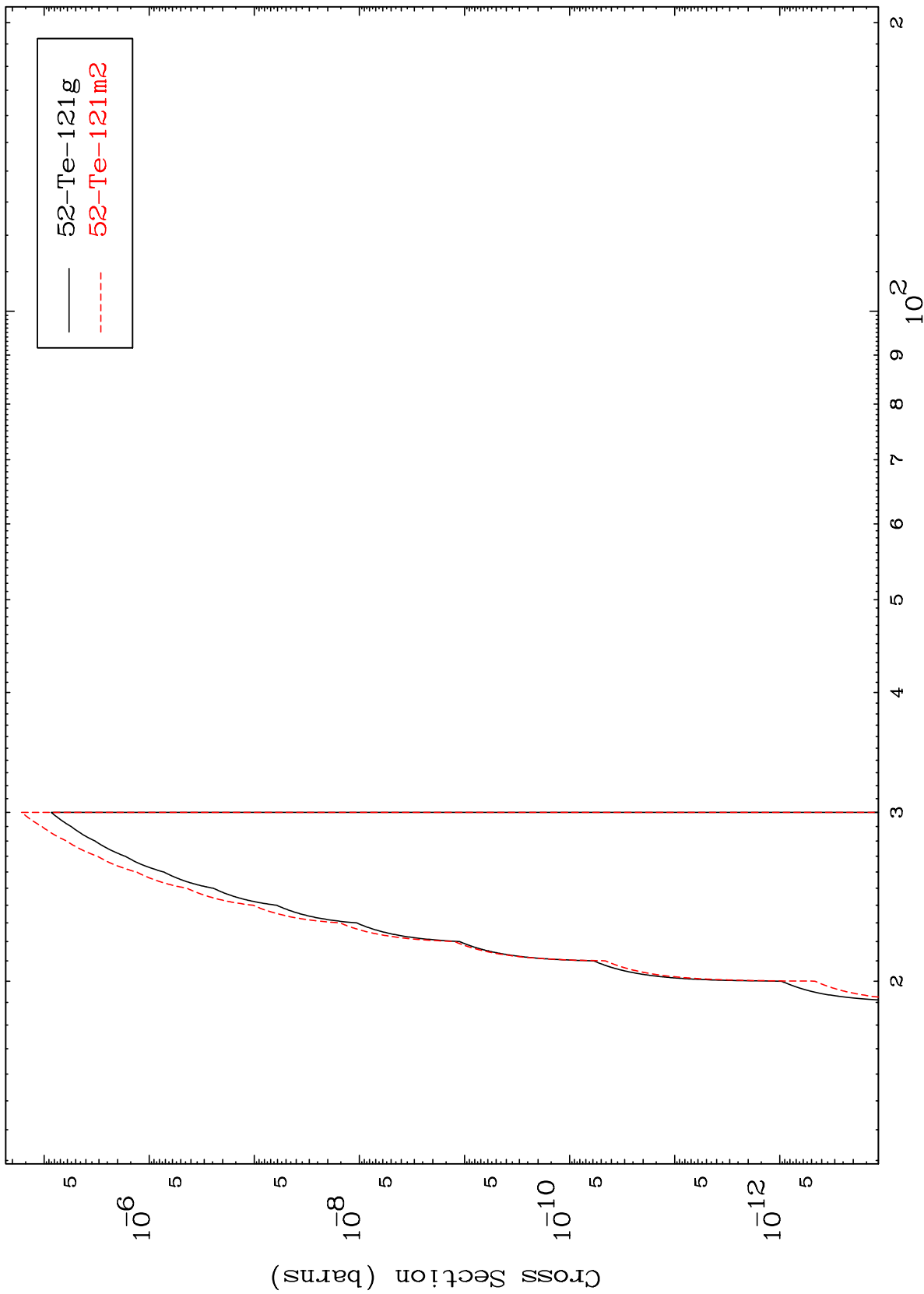


MAT 5425

(n,p) t

54-Xe-124

Radionuclide Production Cross Section



136

Incident Energy (MeV)

54-Xe-124