

Program EVALPLOT  
(Version 2018-1)

by

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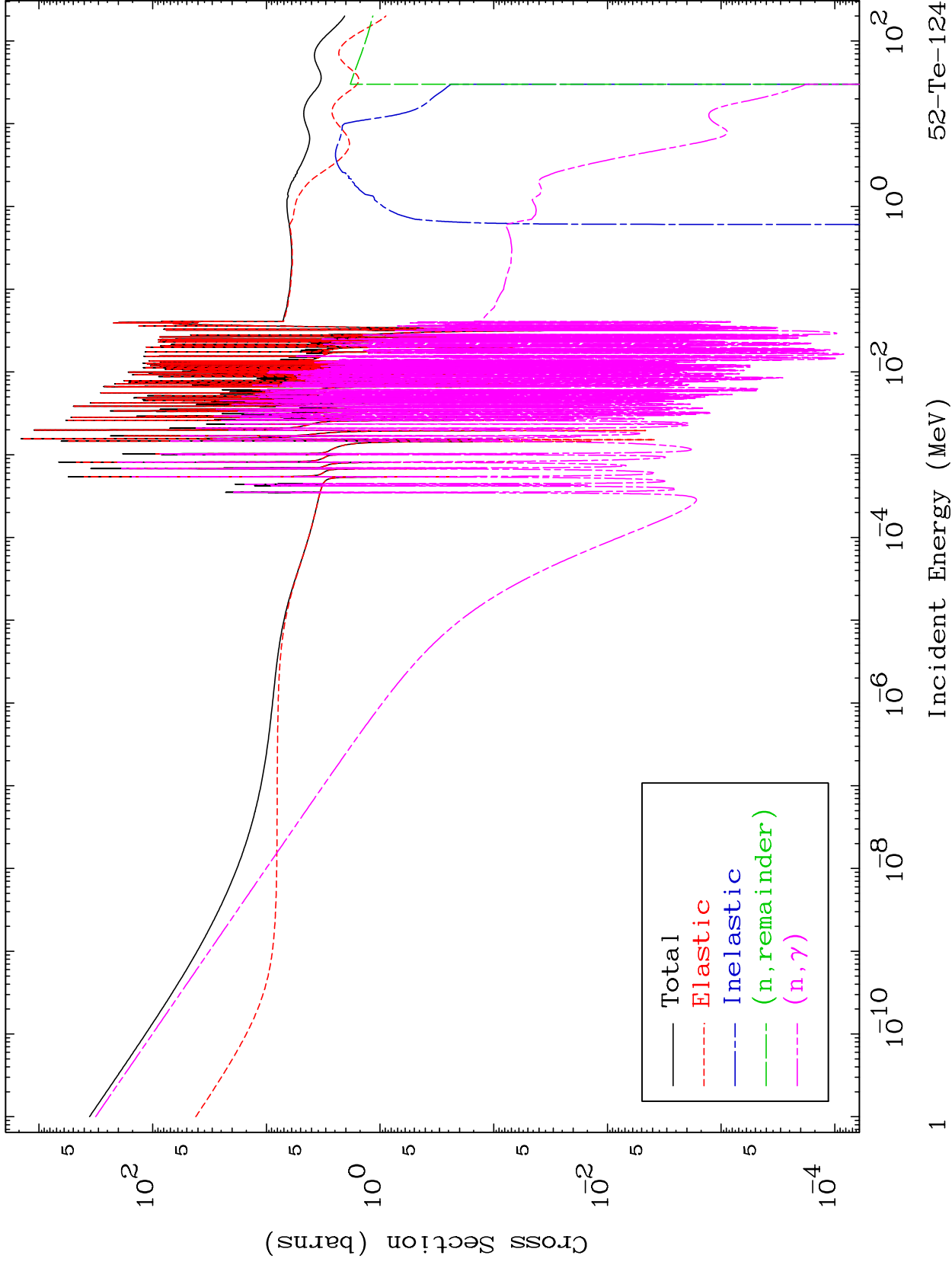
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5237

Major  
293 Kelvin Cross Sections

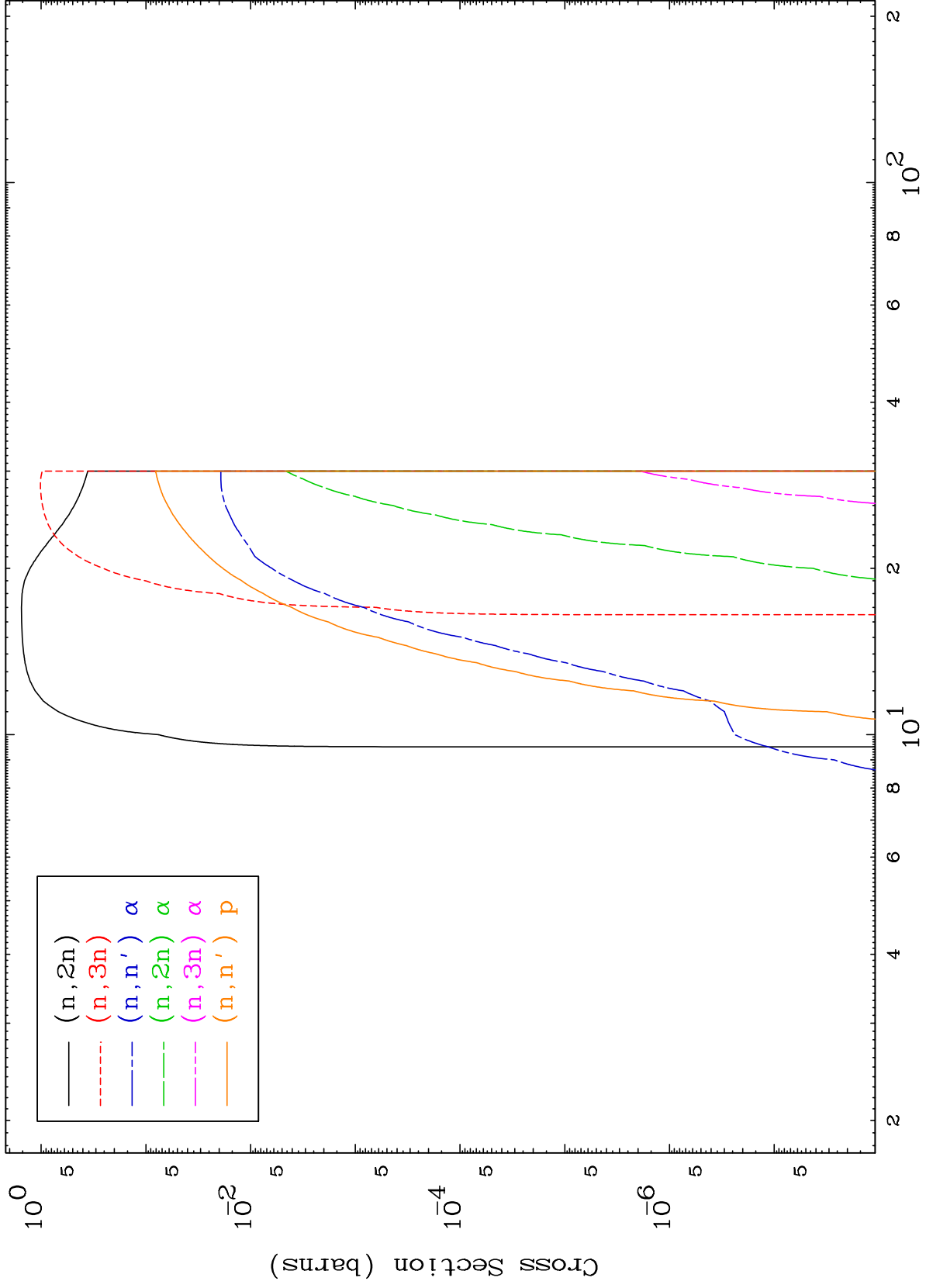
52-Te-124



MAT 5237

Neutron Production  
293 Kelvin Cross Sections

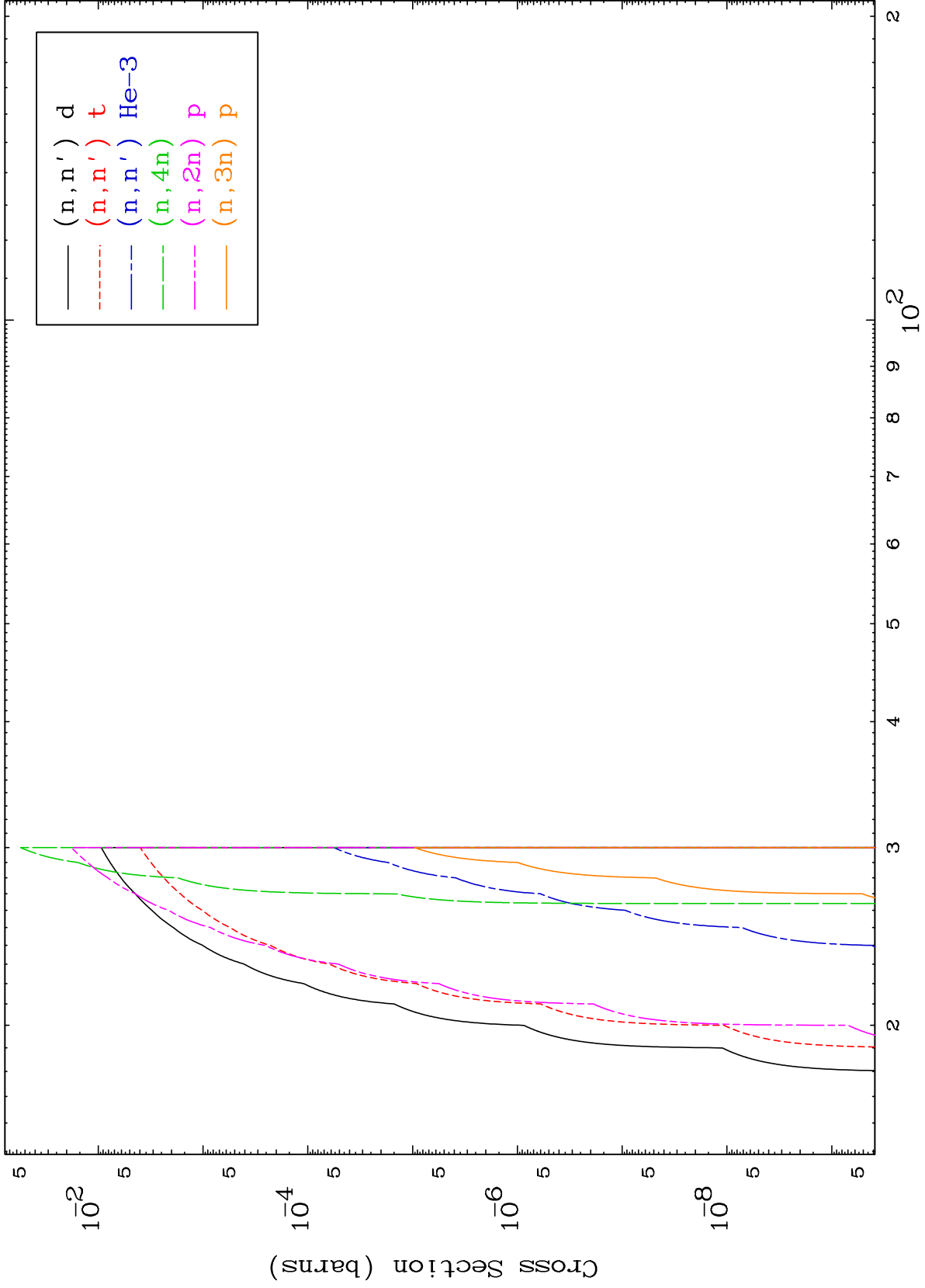
52-Te-124



2

Incident Energy (MeV)

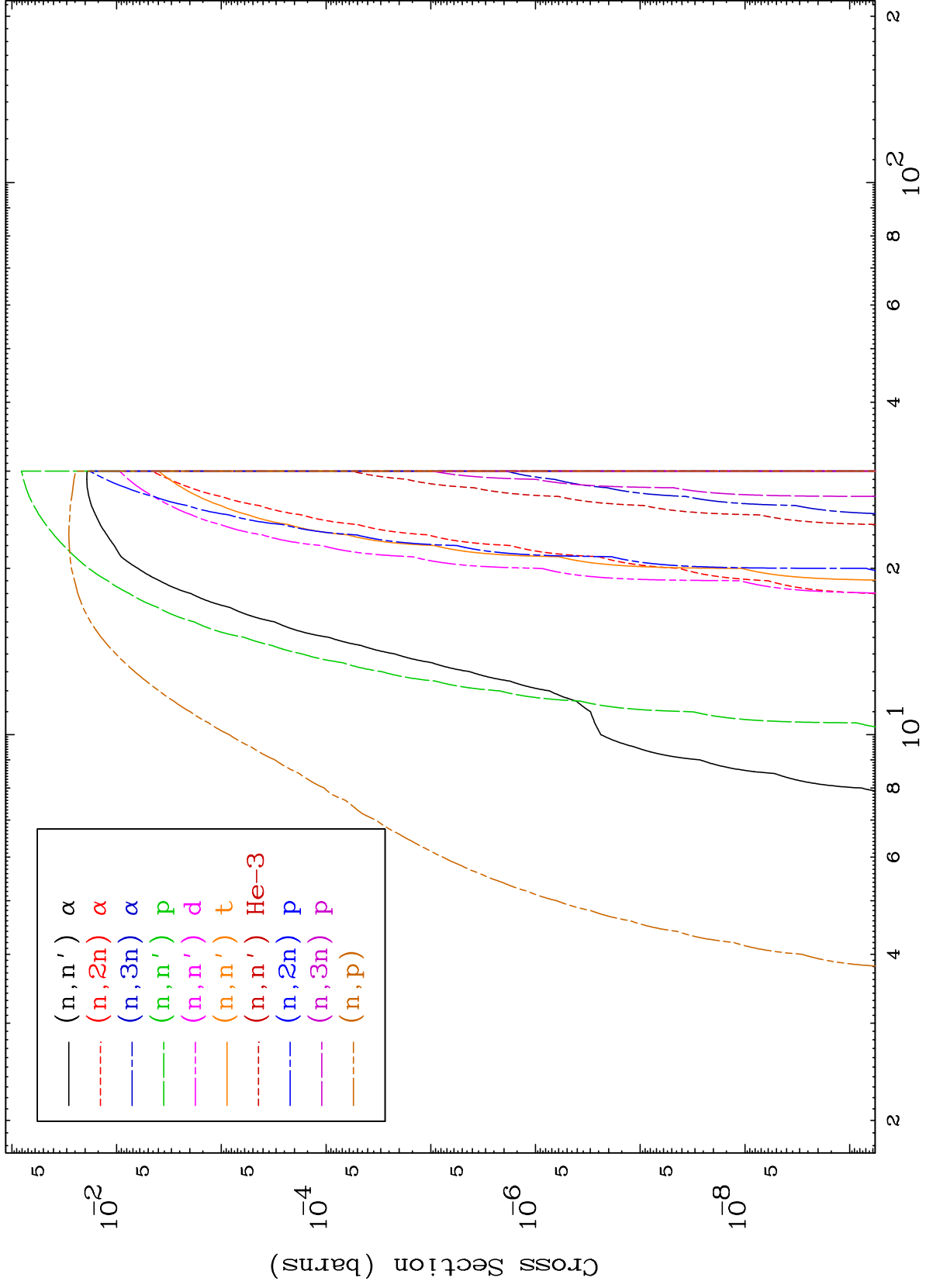
52-Te-124



MAT 5237

Charged Particle  
293 Kelvin Cross Sections

52-Te-124



4

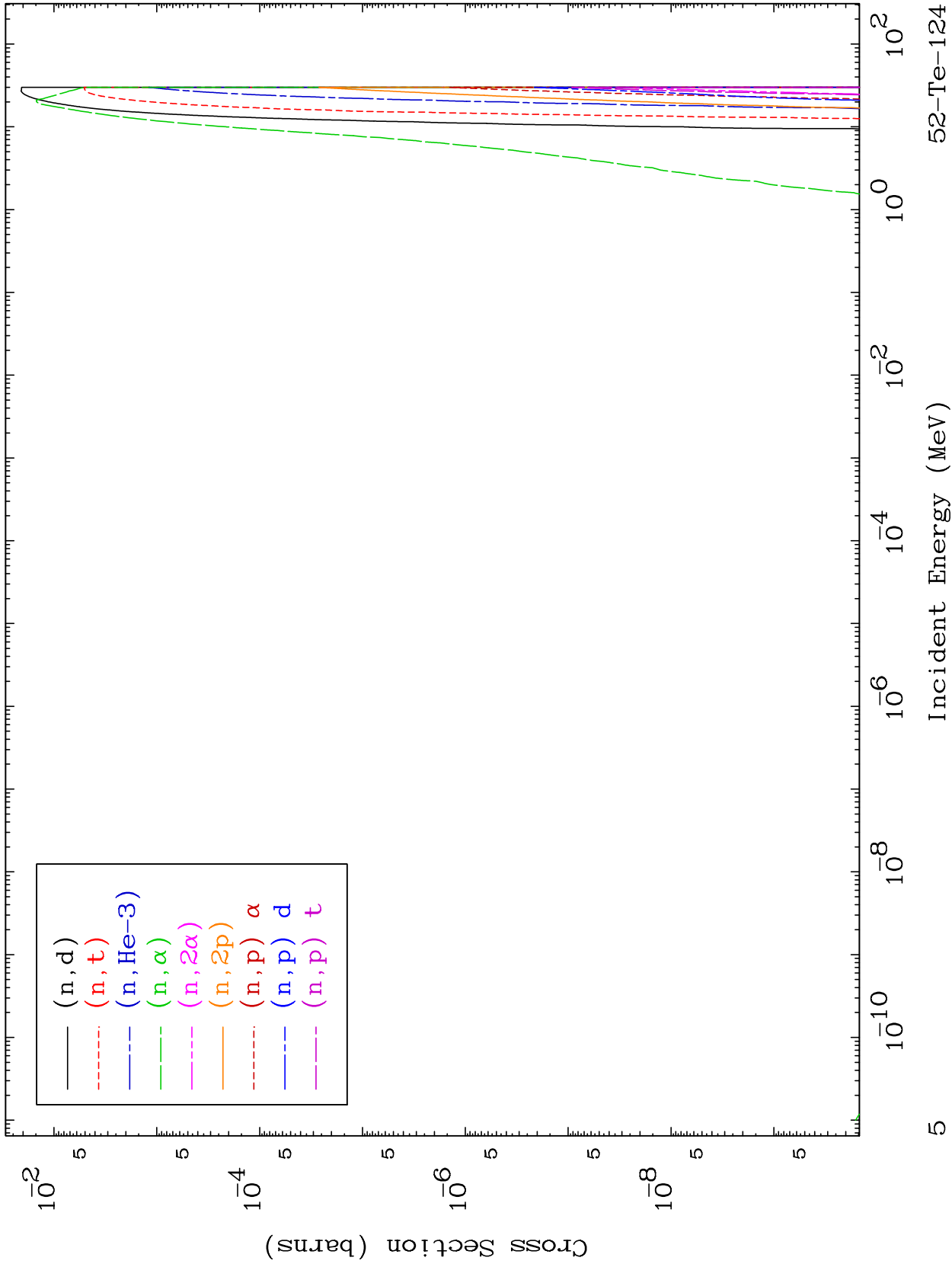
Incident Energy (MeV)

52-Te-124

MAT 5237

Charged Particle  
293 Kelvin Cross Sections

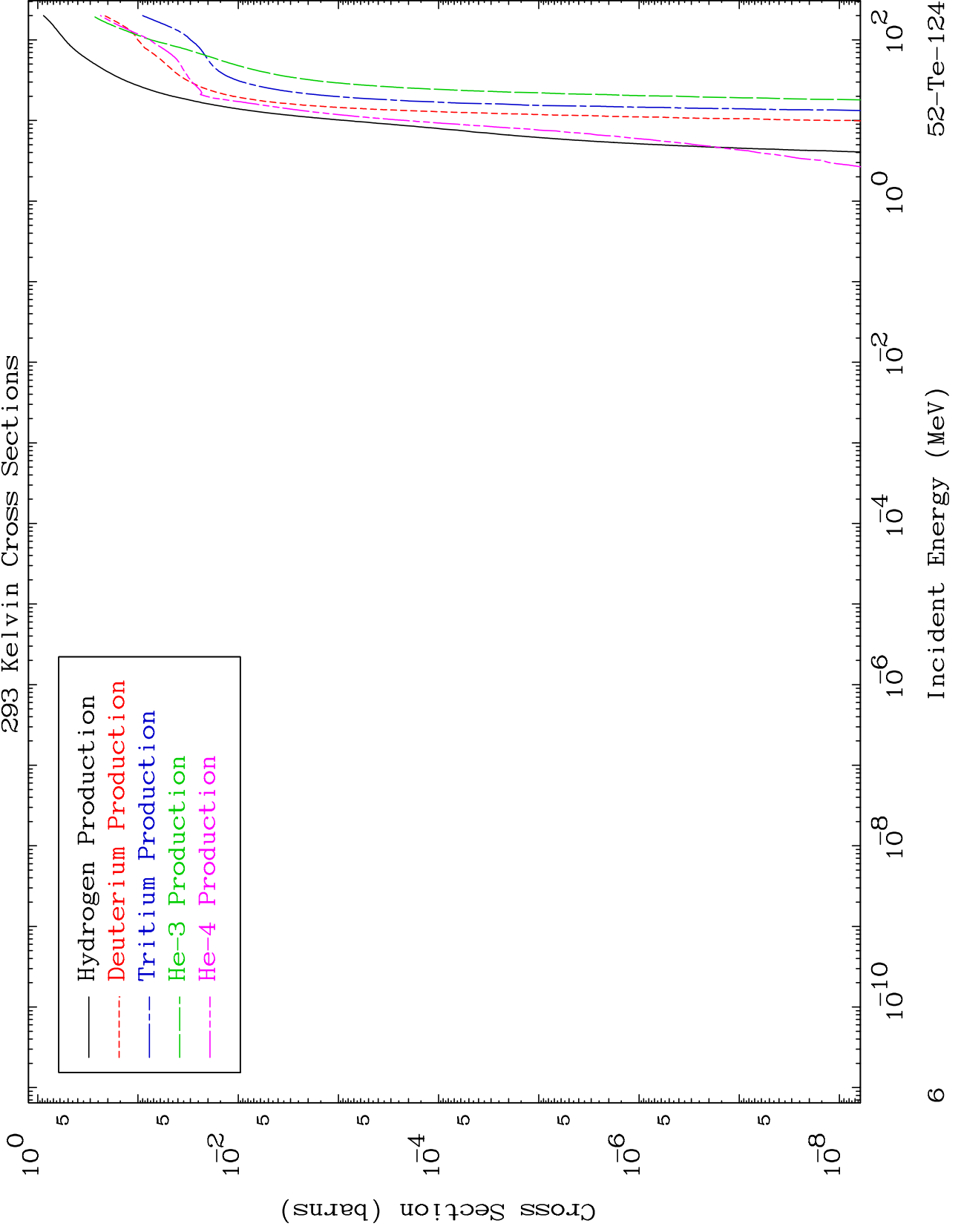
52-Te-124



MAT 5237

Particle Production  
293 Kelvin Cross Sections

52-Te-124

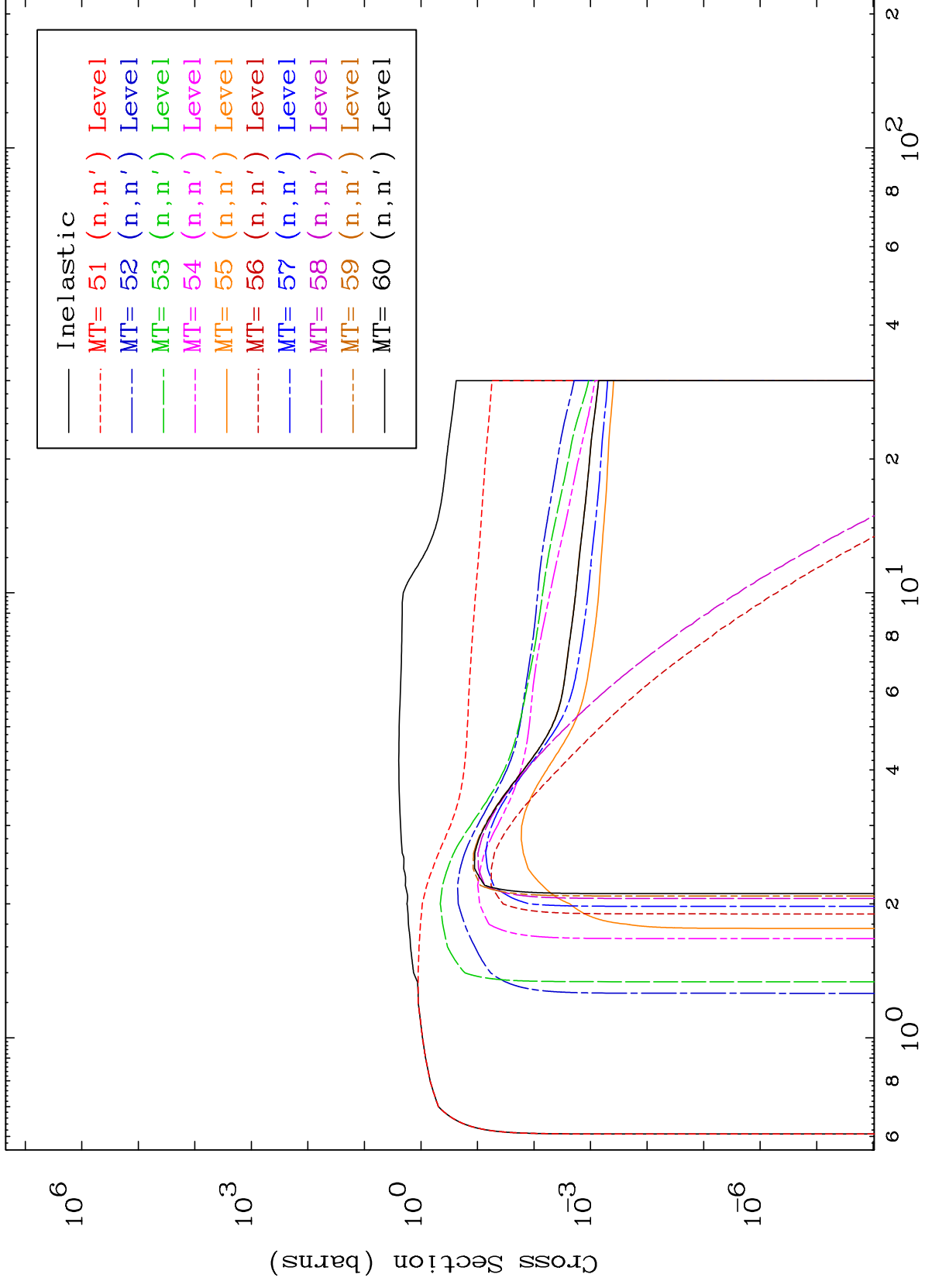


MAT 5237

(n,n') Level

52-Te-124

293 Kelvin Cross Sections



7

Incident Energy (MeV)

52-Te-124

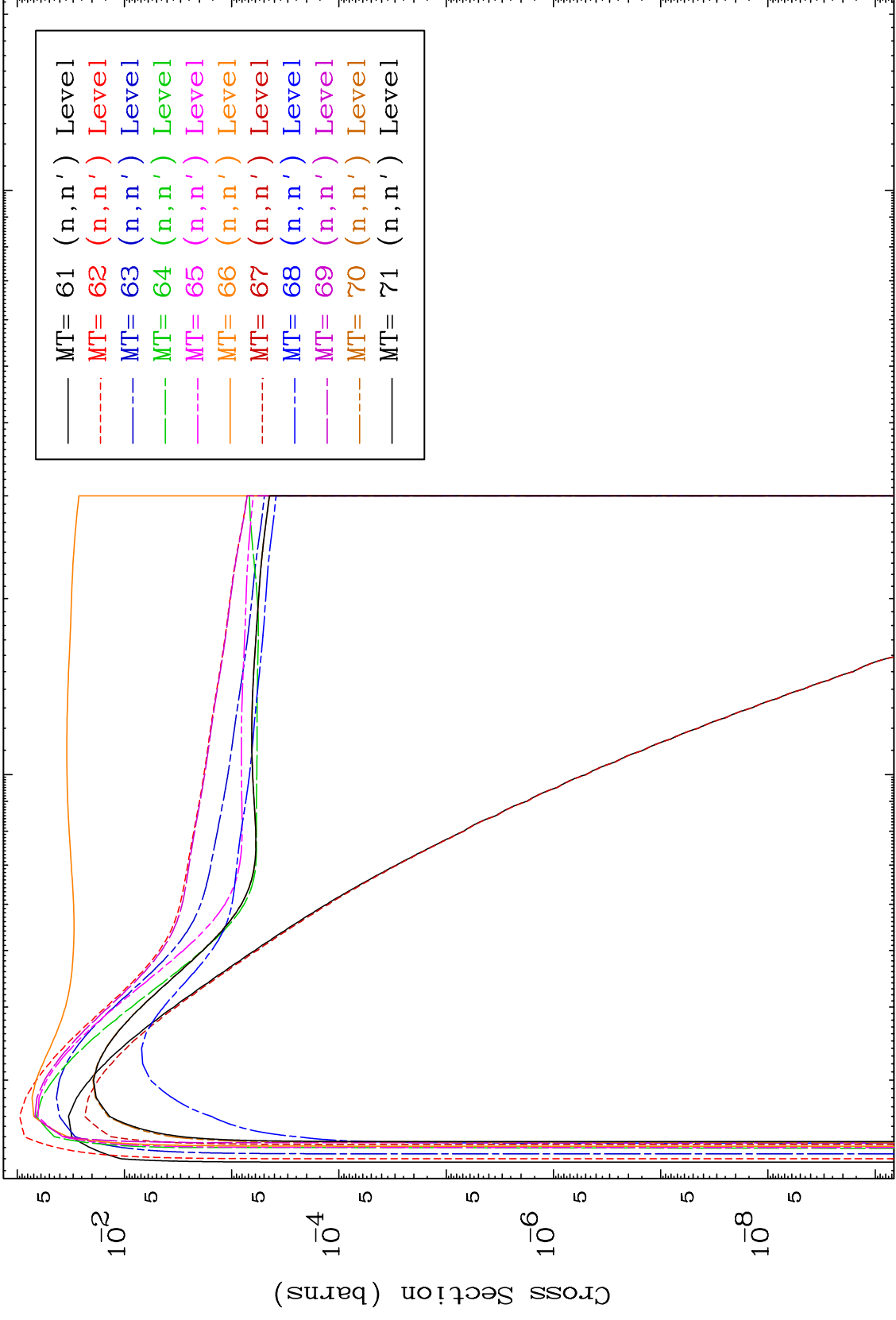


MAT 5237

(n,n') Level

52-Te-124

293 Kelvin Cross Sections



Line Style	MT=	Level
Solid	61	Level
Dashed	62	Level
Dash-dot	63	Level
Dotted	64	Level
Long-dash	65	Level
Solid	66	Level
Dashed	67	Level
Dash-dot	68	Level
Dotted	69	Level
Long-dash	70	Level
Solid	71	Level

8

Incident Energy (MeV)

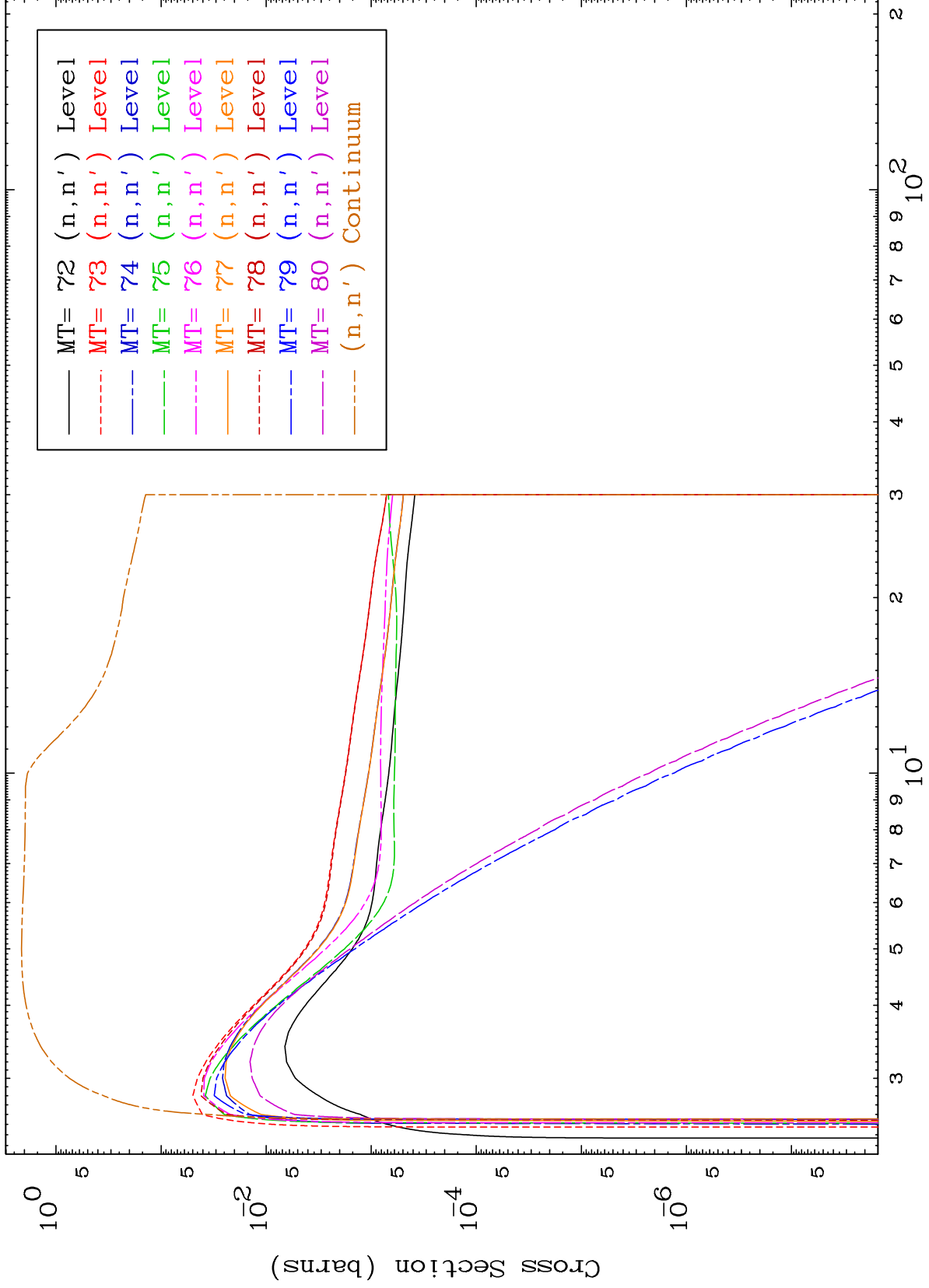
52-Te-124

MAT 5237

(n,n') Level

52-Te-124

293 Kelvin Cross Sections



9

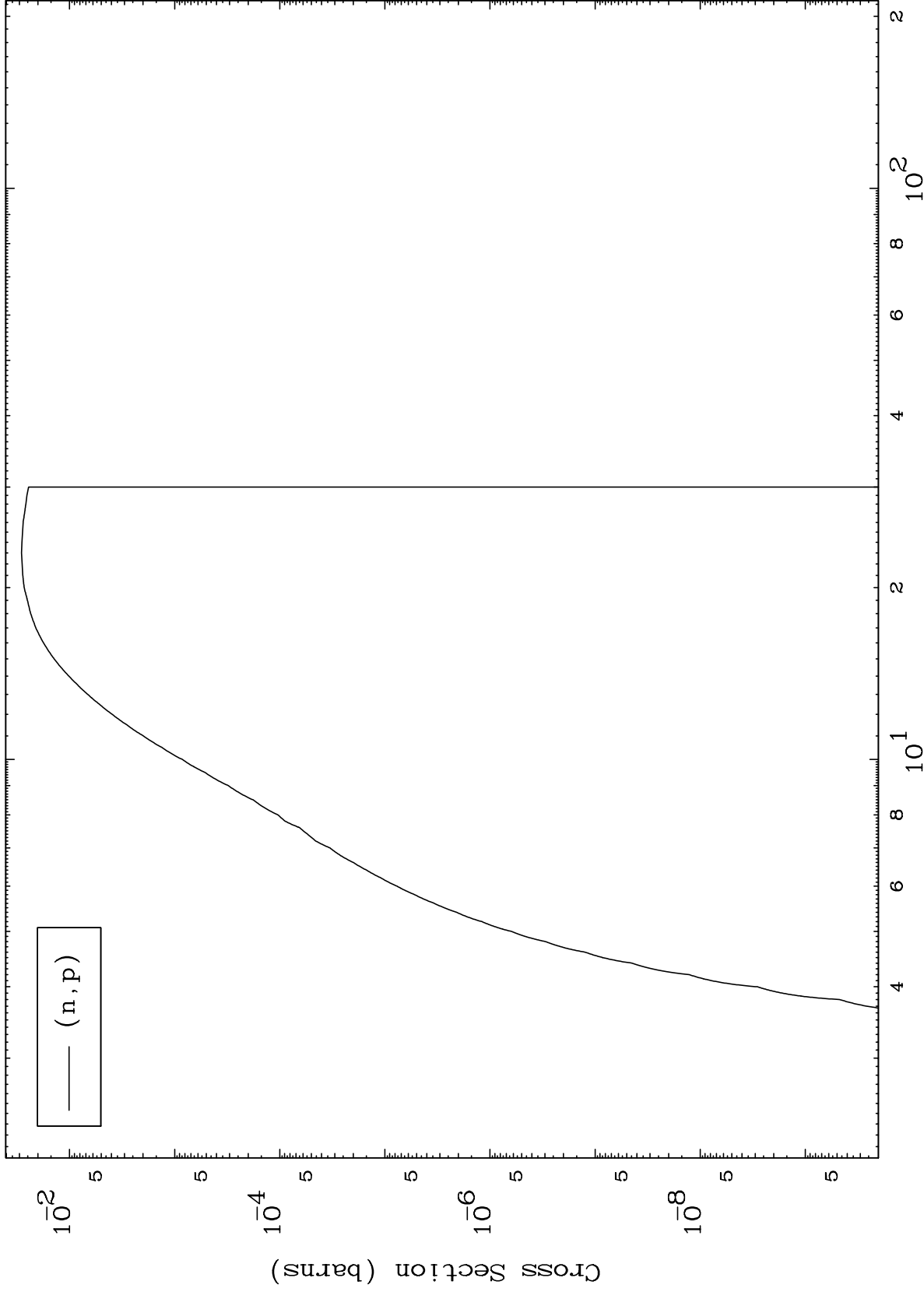
Incident Energy (MeV)

52-Te-124

MAT 5237

(n,p) Levels  
293 Kelvin Cross Sections

52-Te-124



10

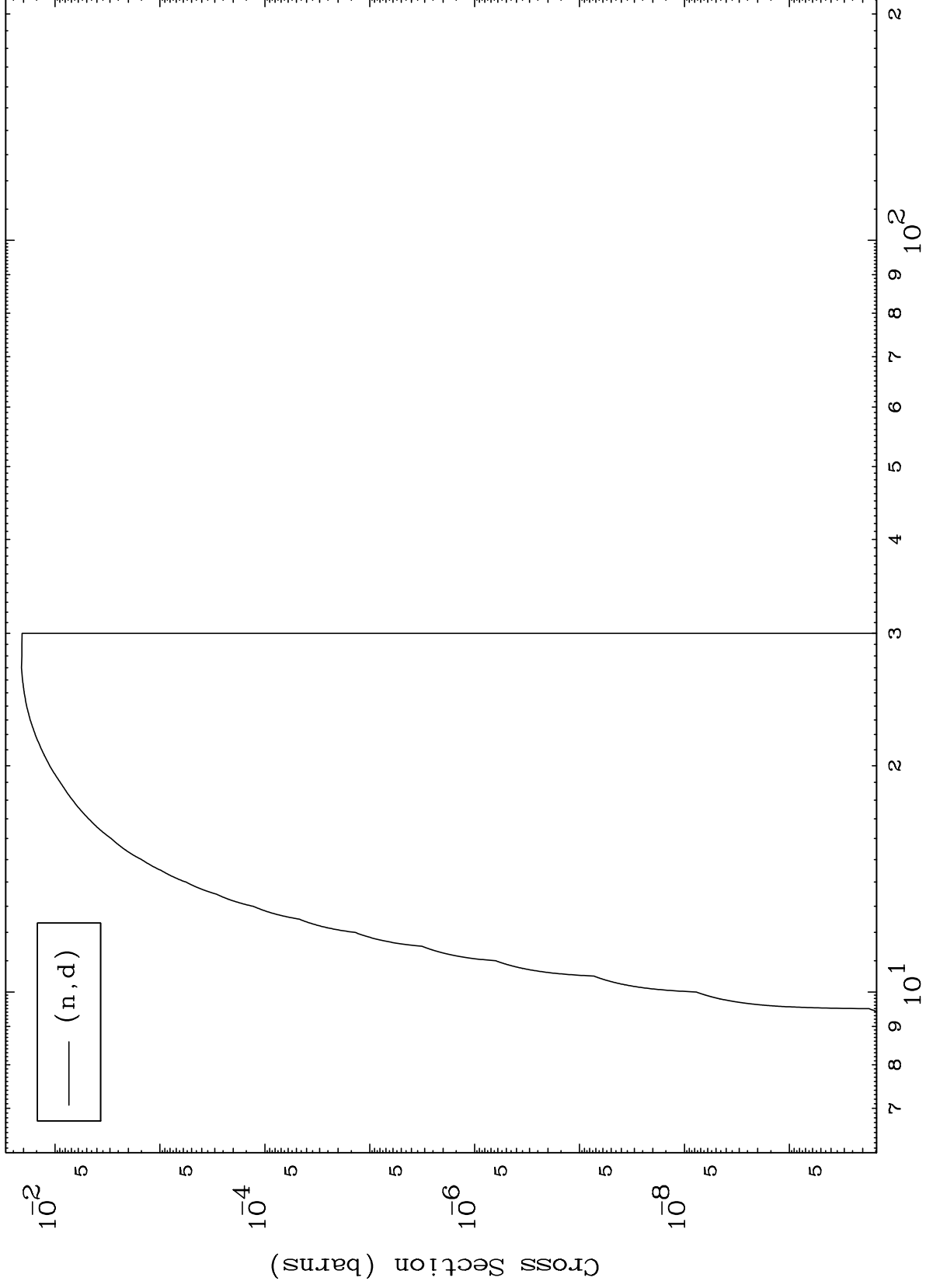
Incident Energy (MeV)

52-Te-124

MAT 5237

(n,d) Levels  
293 Kelvin Cross Sections

52-Te-124



11

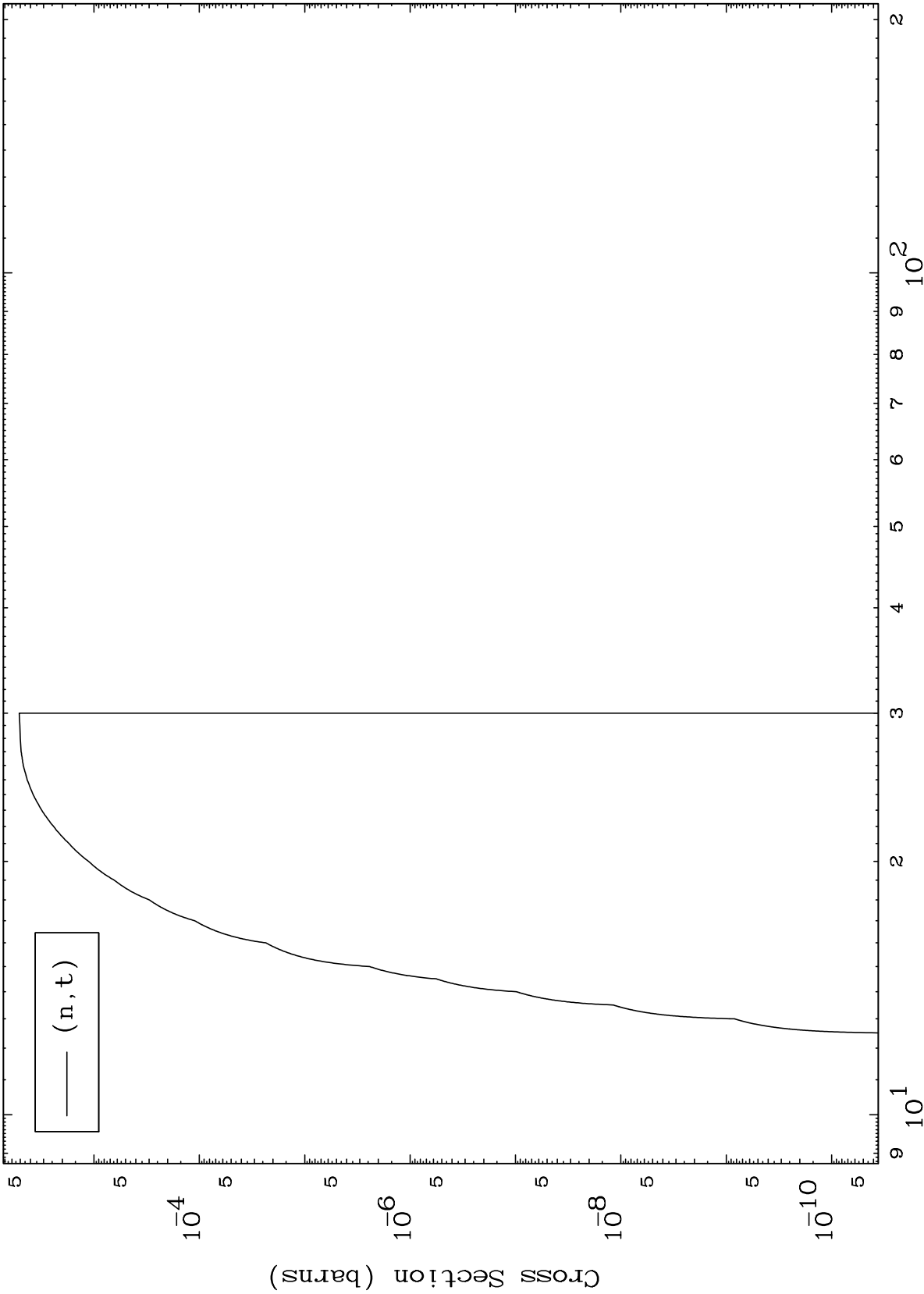
Incident Energy (MeV)

52-Te-124

MAT 5237

(n,t) Levels  
293 Kelvin Cross Sections

52-Te-124



12

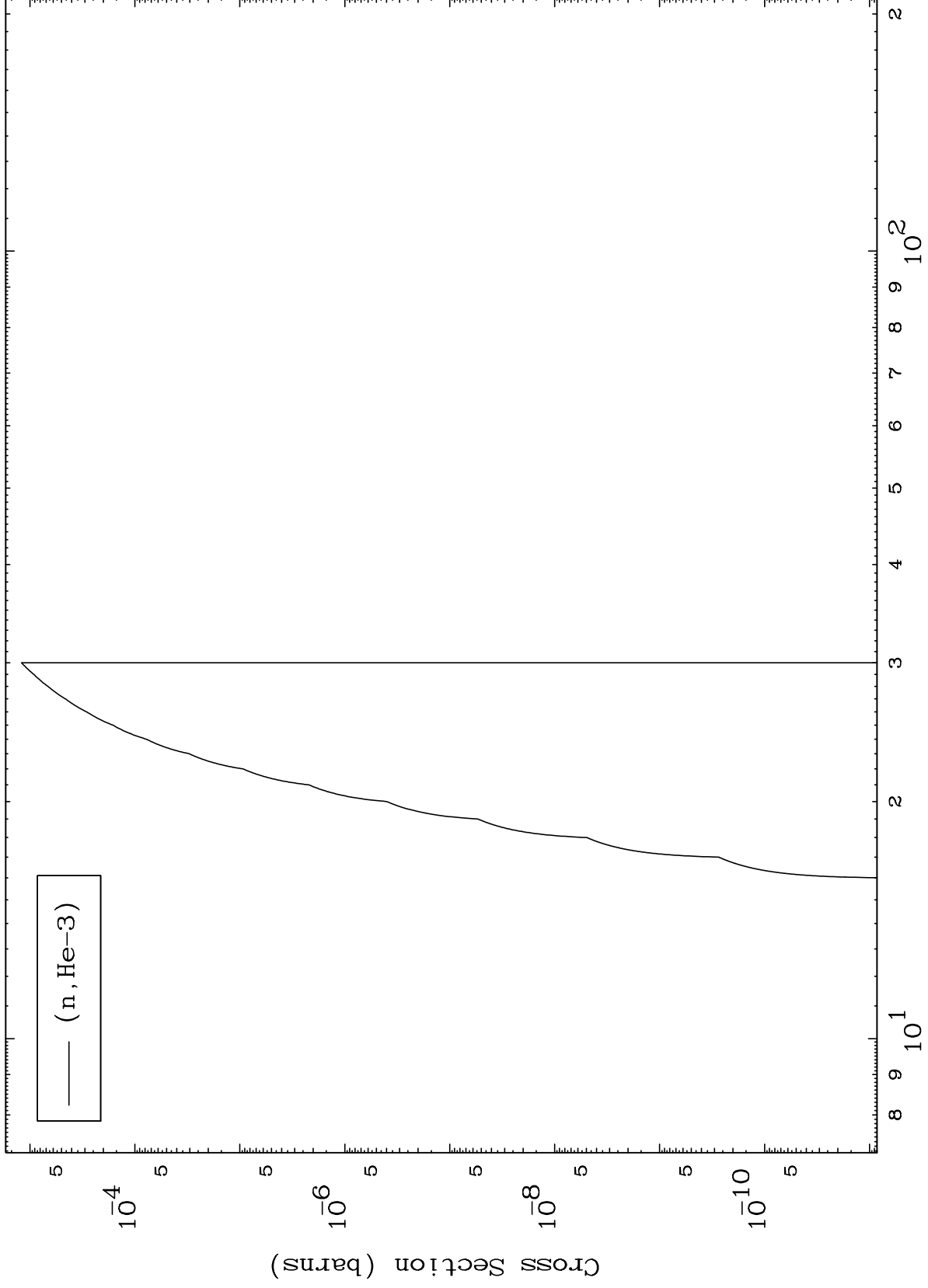
Incident Energy (MeV)

52-Te-124

MAT 5237

(n,He3) Levels  
293 Kelvin Cross Sections

52-Te-124



13

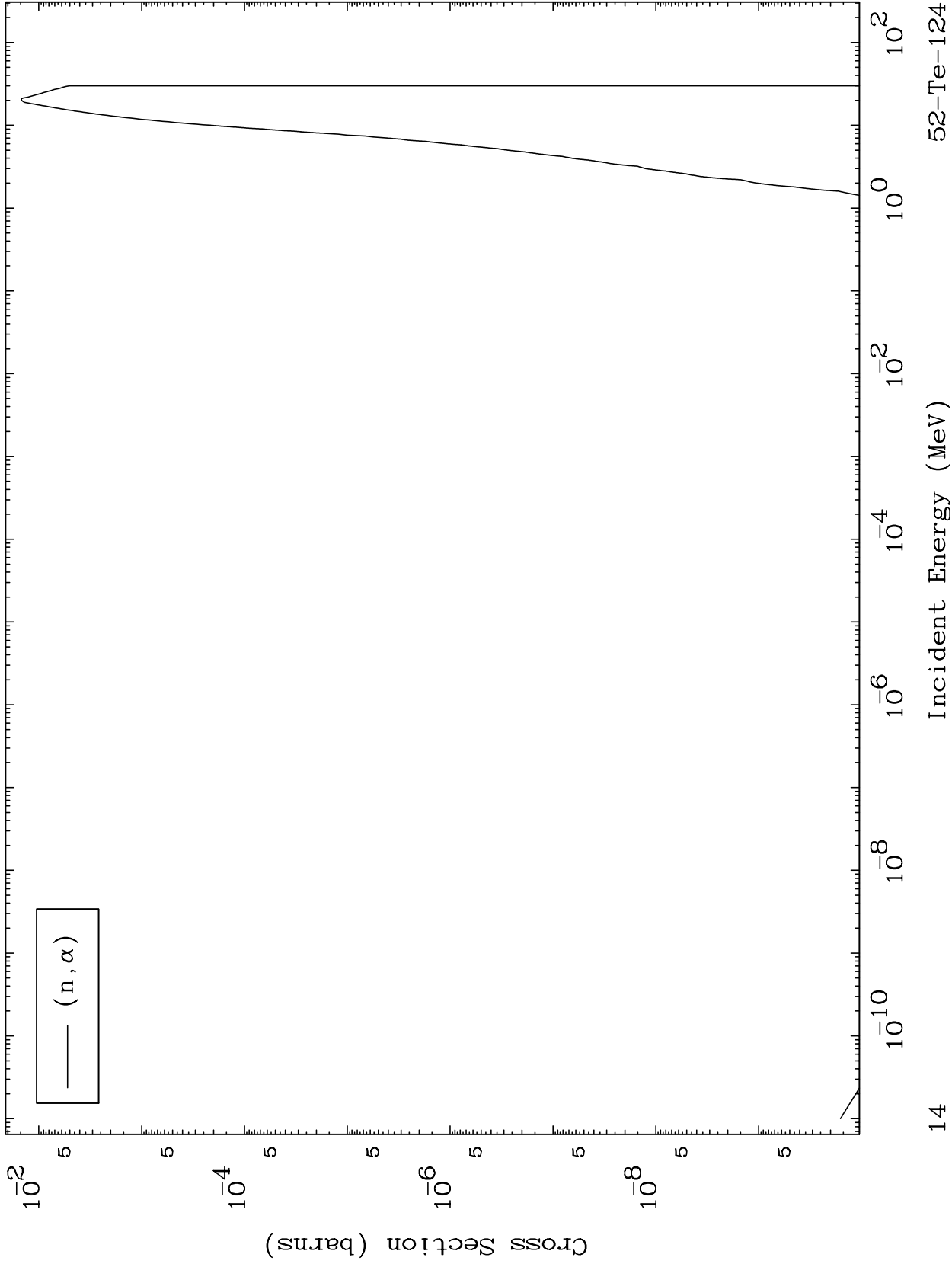
Incident Energy (MeV)

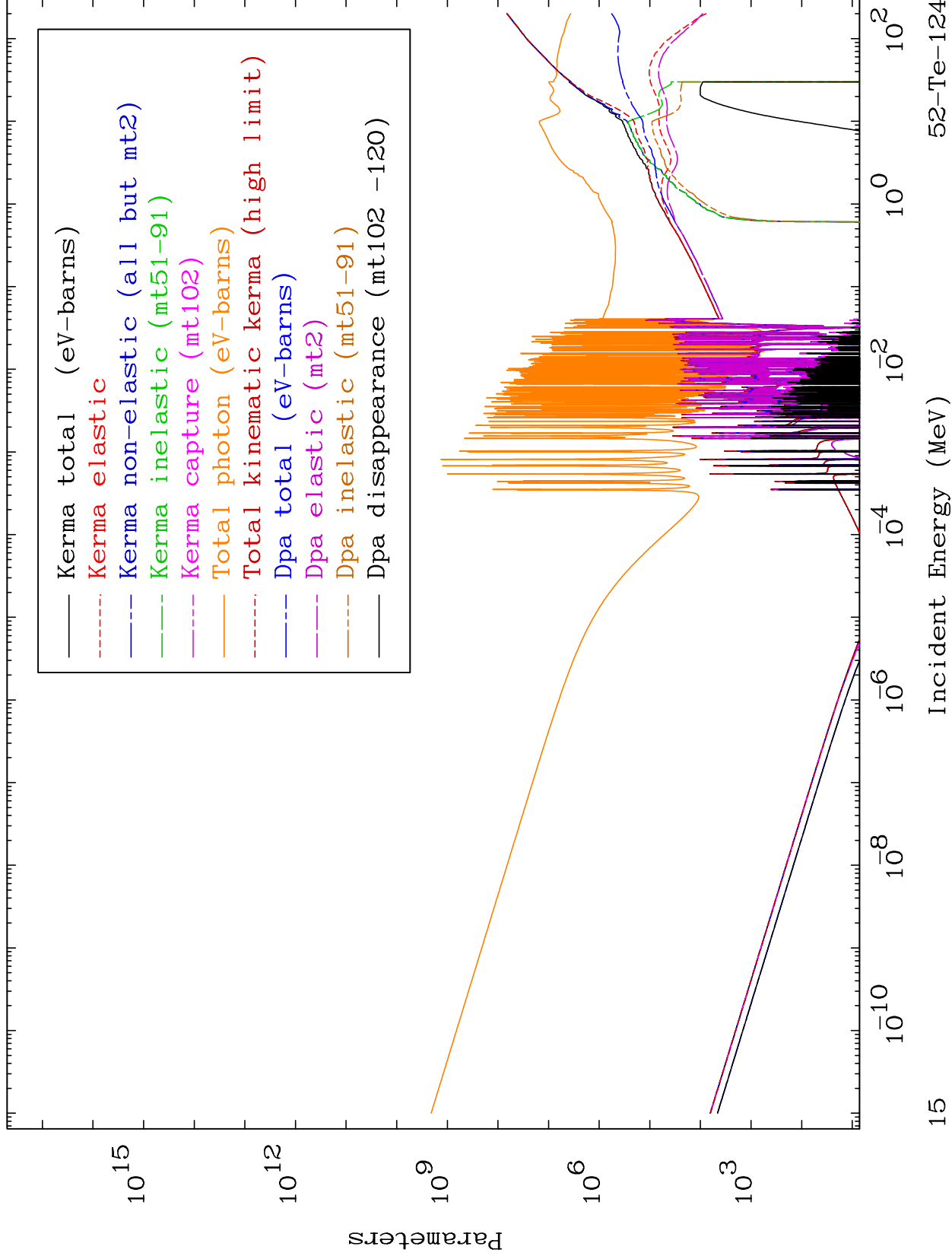
52-Te-124

MAT 5237

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

52-Te-124



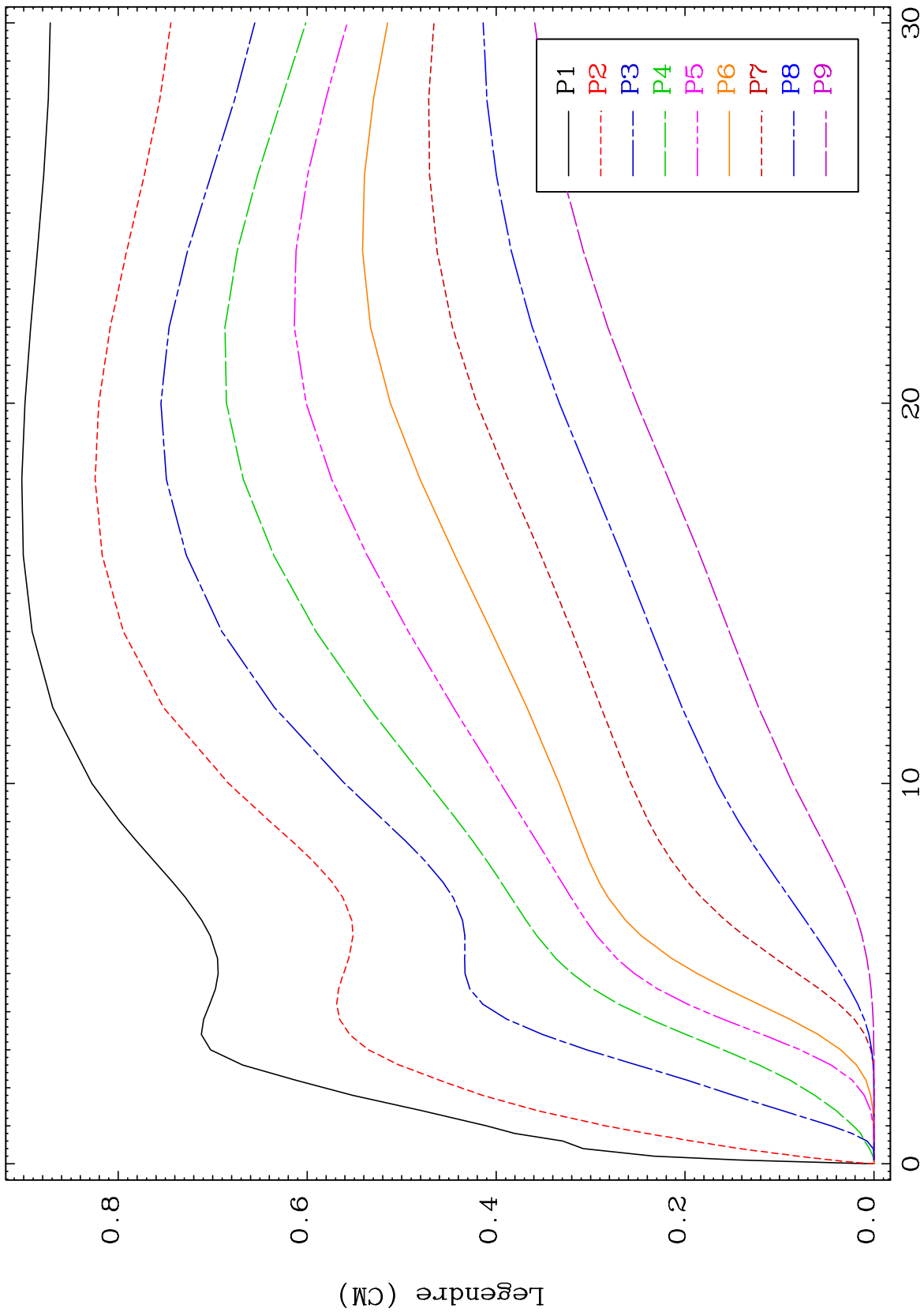




MAT 5237

Elastic Legendre Coefficients

52-Te-124



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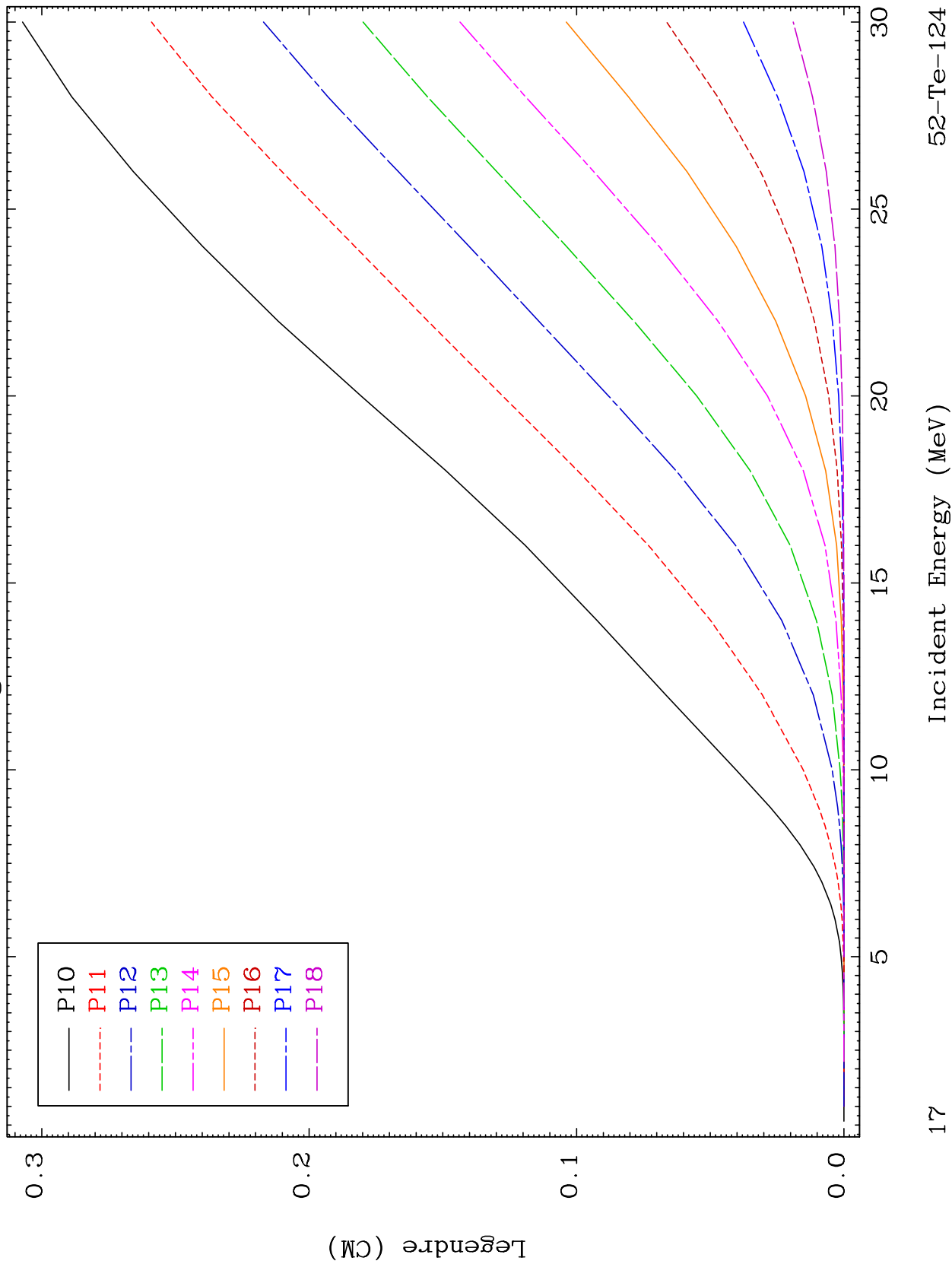
Incident Energy (MeV)

52-Te-124

MAT 5237

Elastic Legendre Coefficients

52-Te-124



17

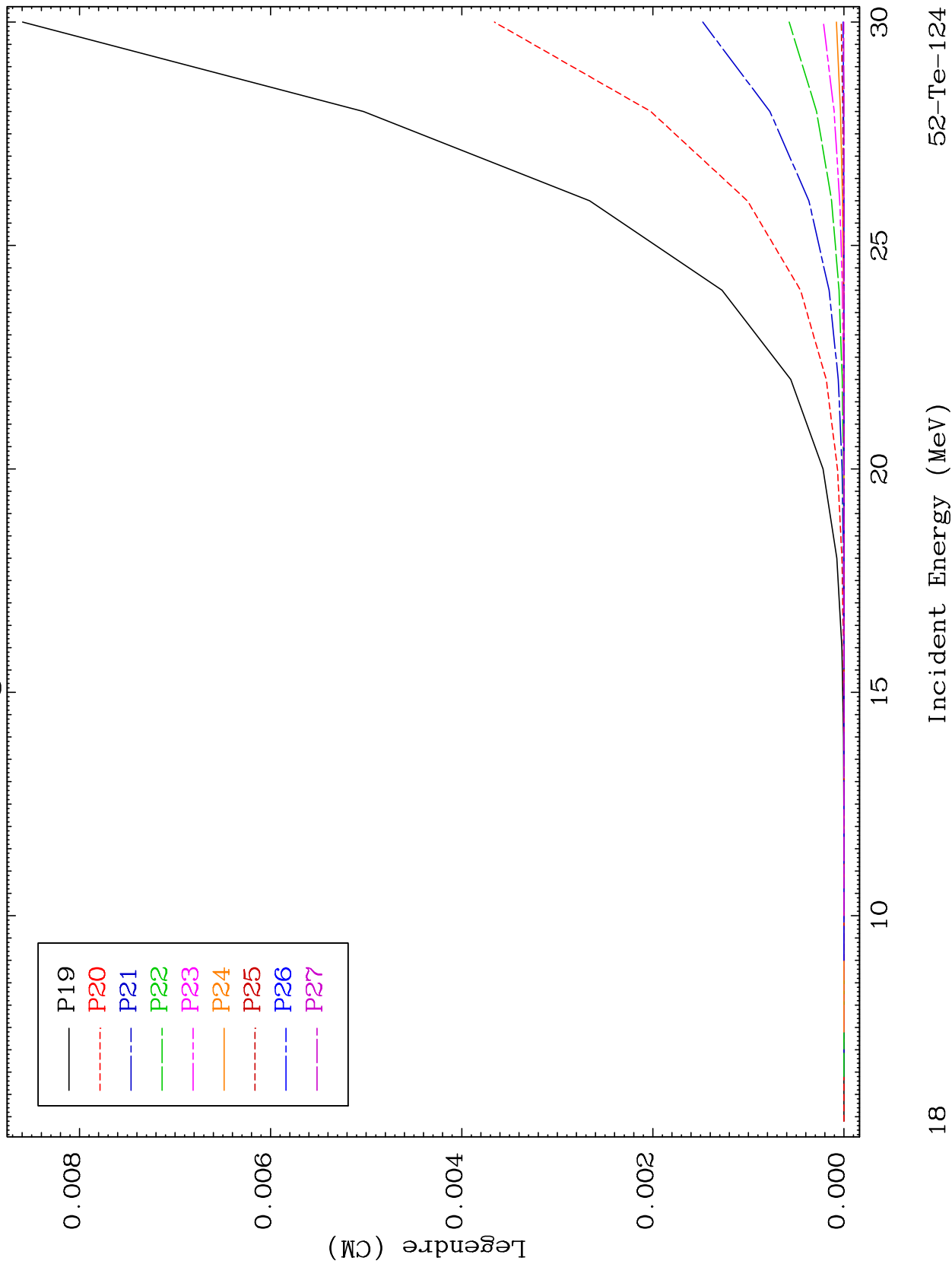
Incident Energy (MeV)

52-Te-124

MAT 5237

### Elastic Legendre Coefficients

52-Te-124



18

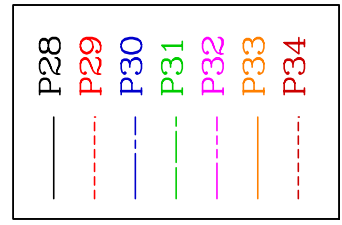
Incident Energy (MeV)

52-Te-124

MAT 5237

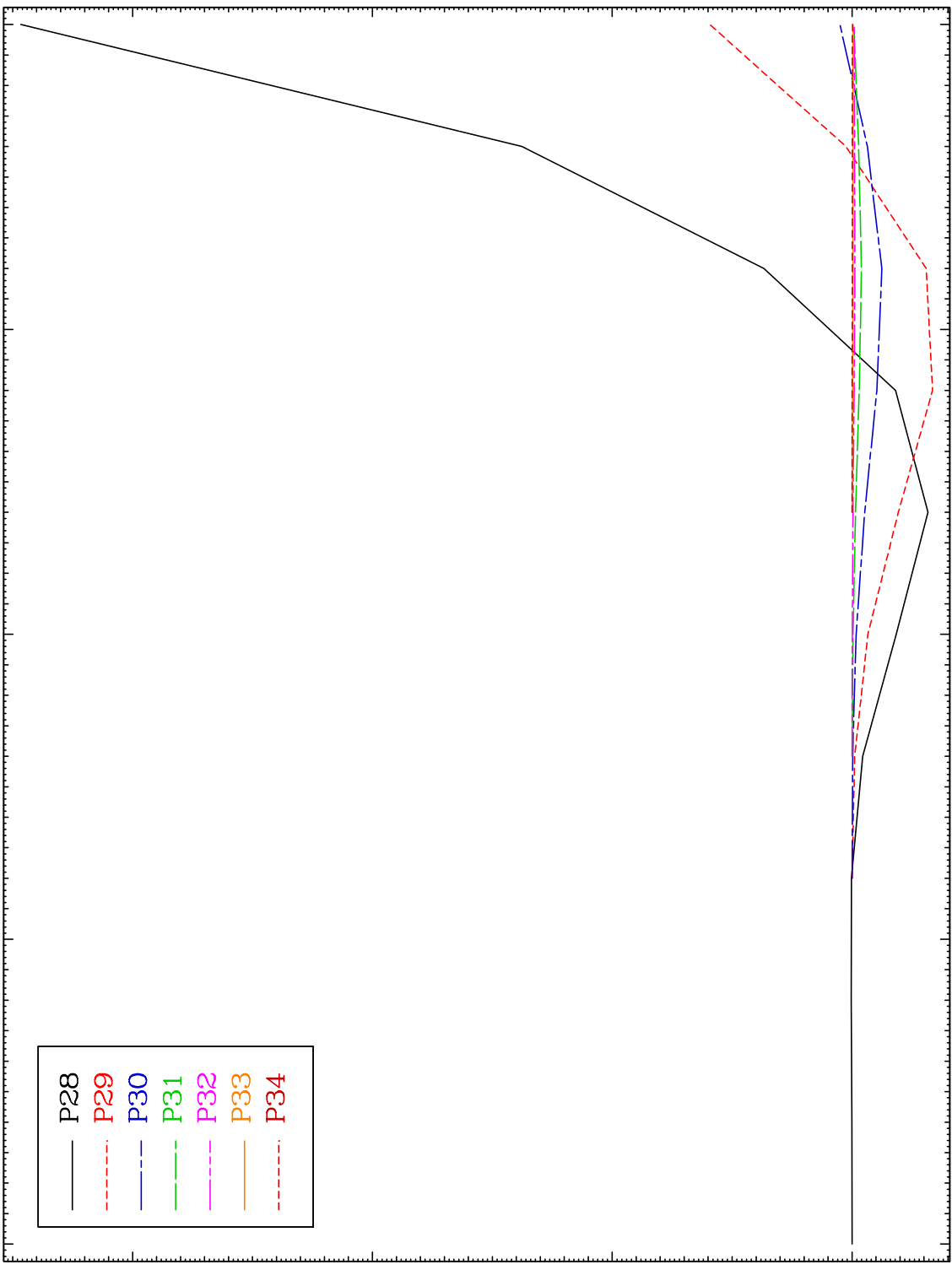
Elastic  
Legendre Coefficients

52-Te-124



$\times 10^{-7}$

Legendre (CM)



10

15

20

25

30

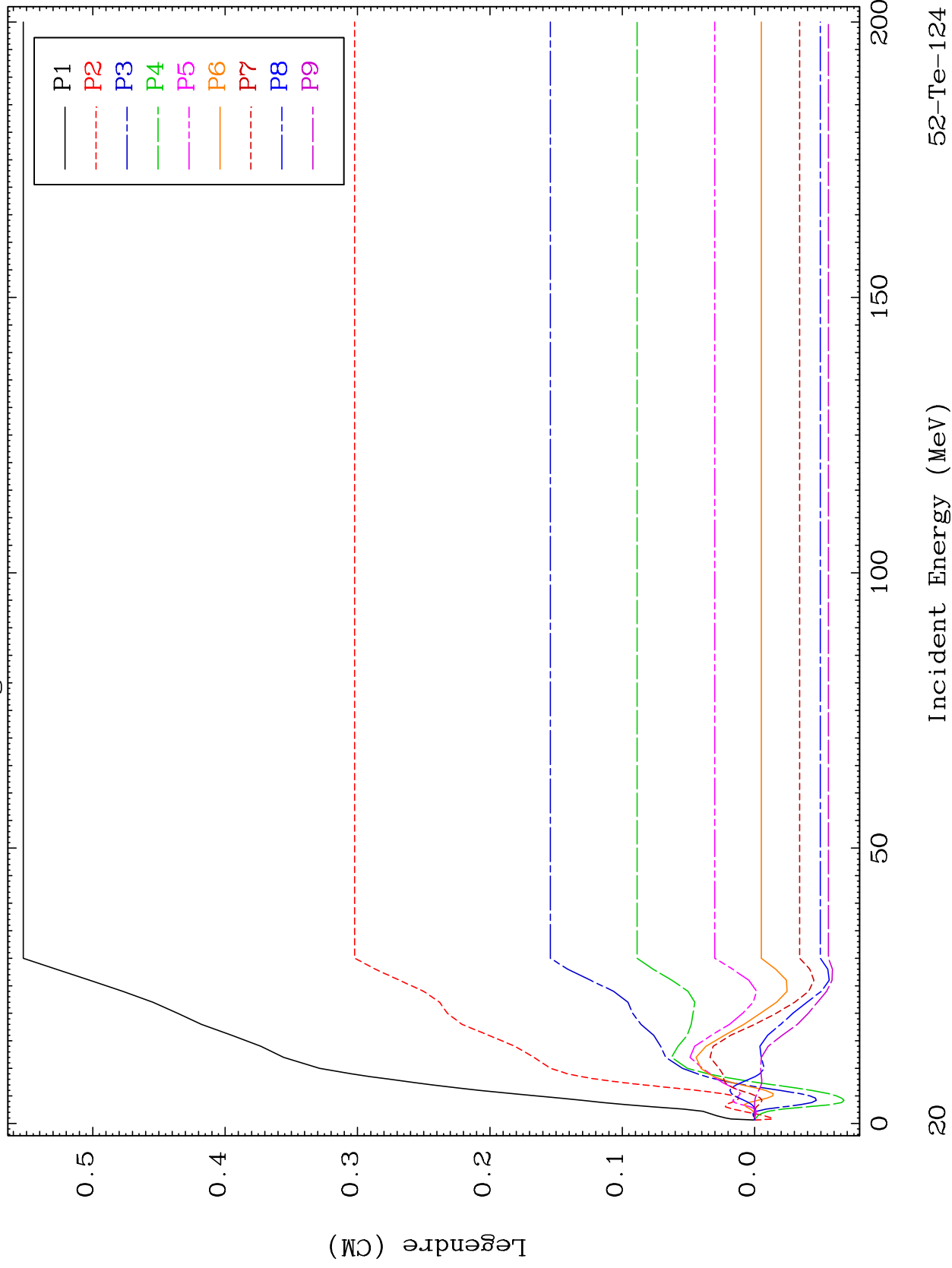
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124

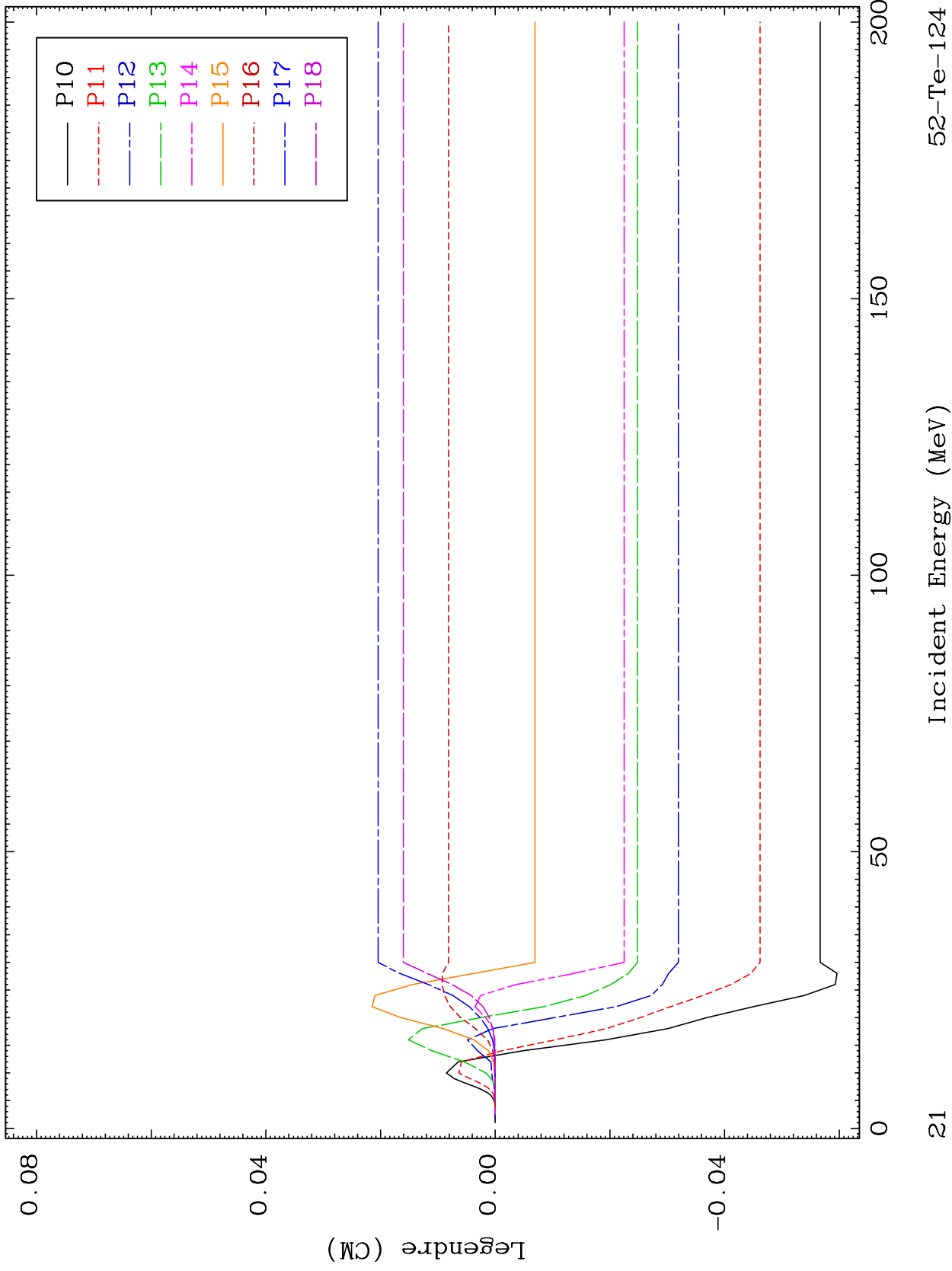


52-Te-124

MAT 5237

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

52-Te-124



21

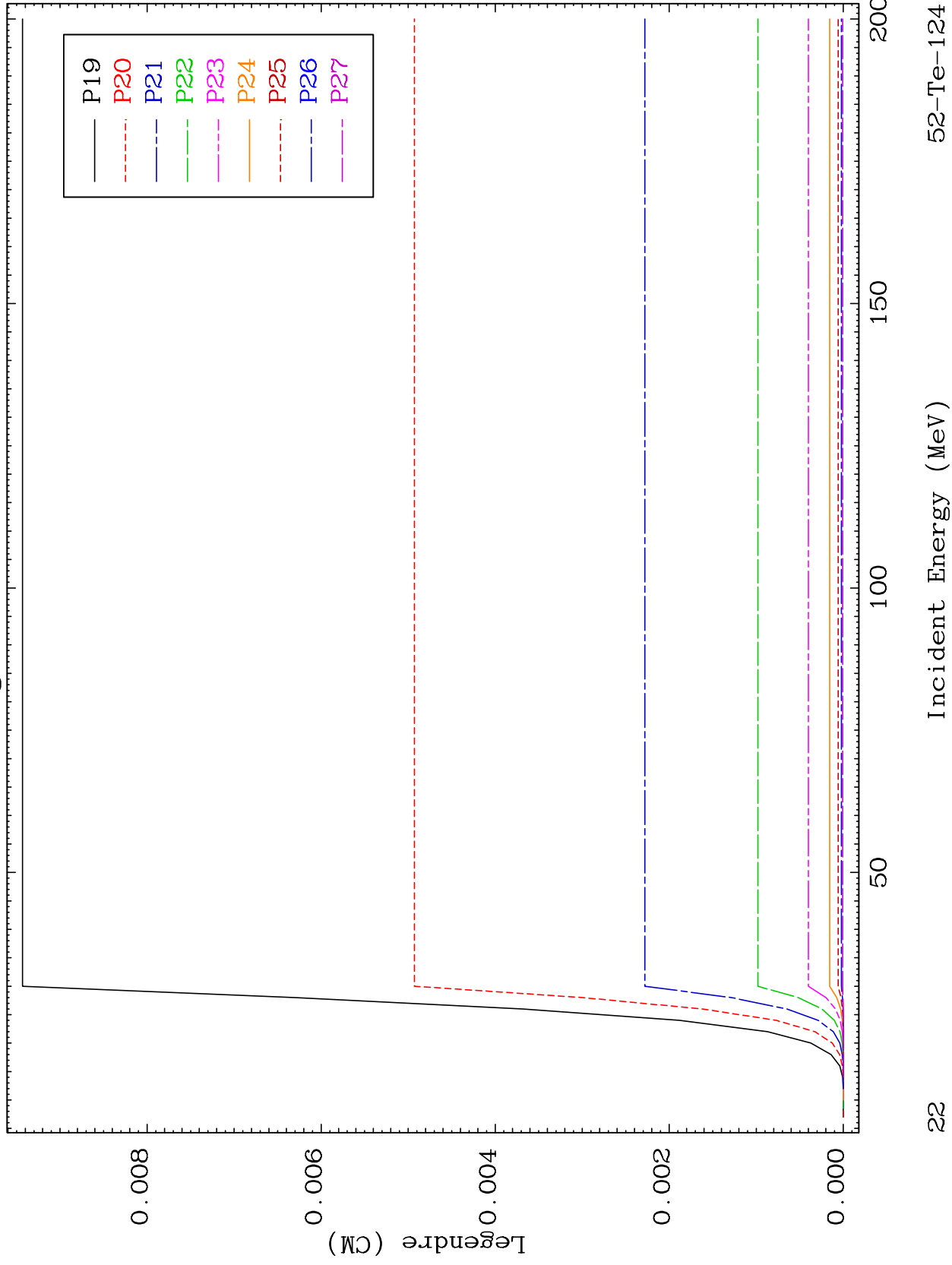
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



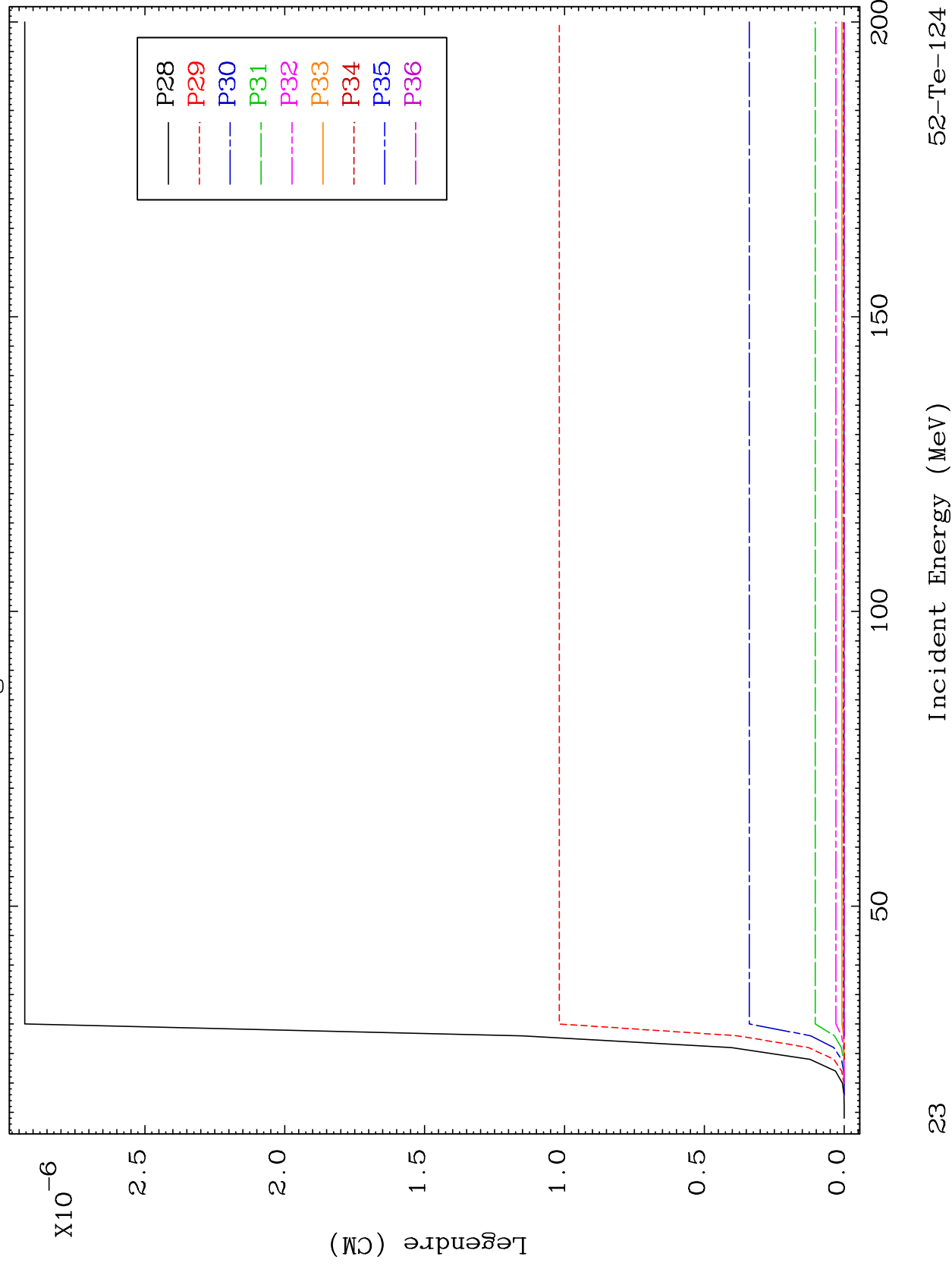
22

52-Te-124

MAT 5237

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

52-Te-124



23

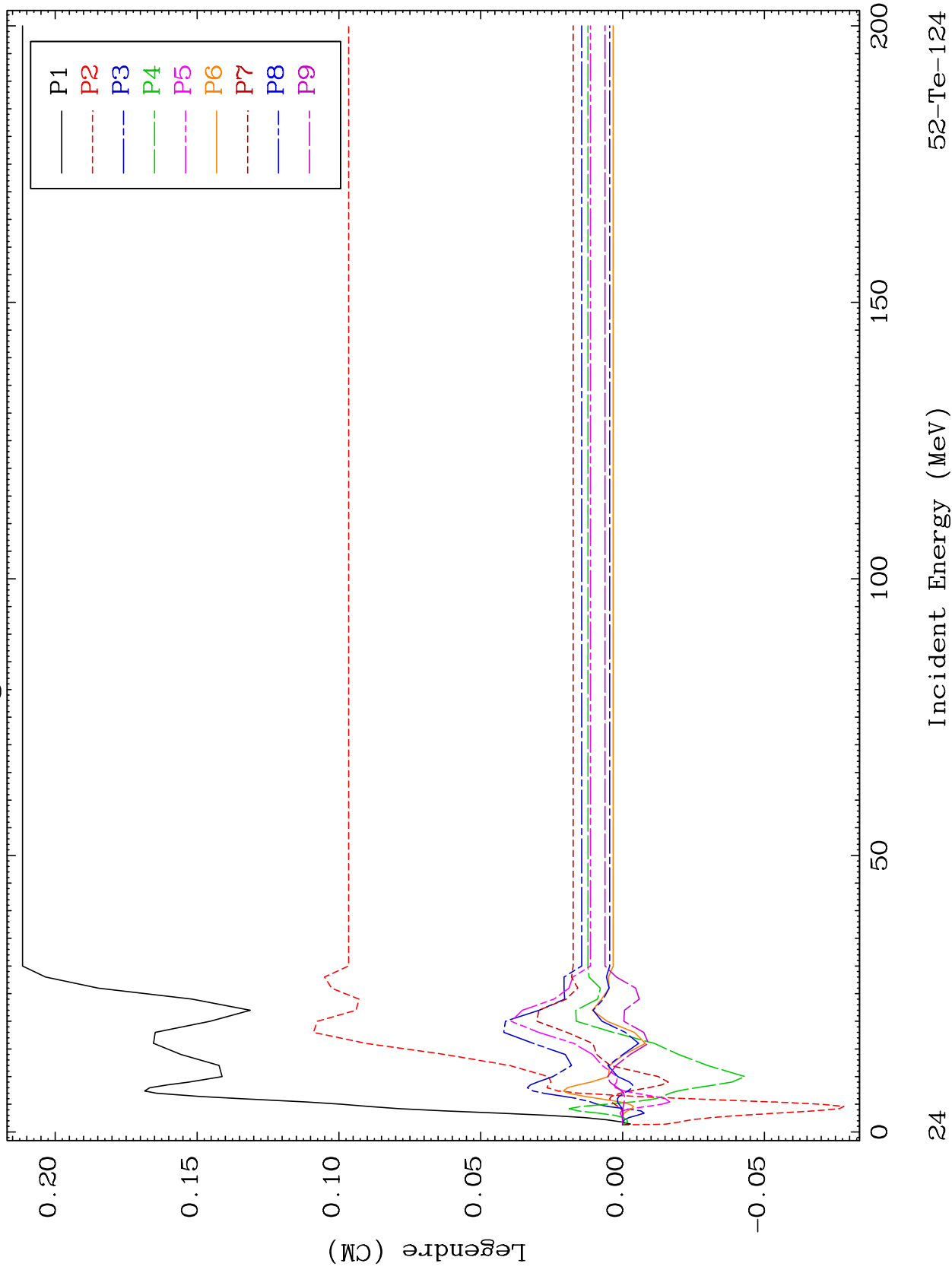
52-Te-124



MAT 5237

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

52-Te-124



24

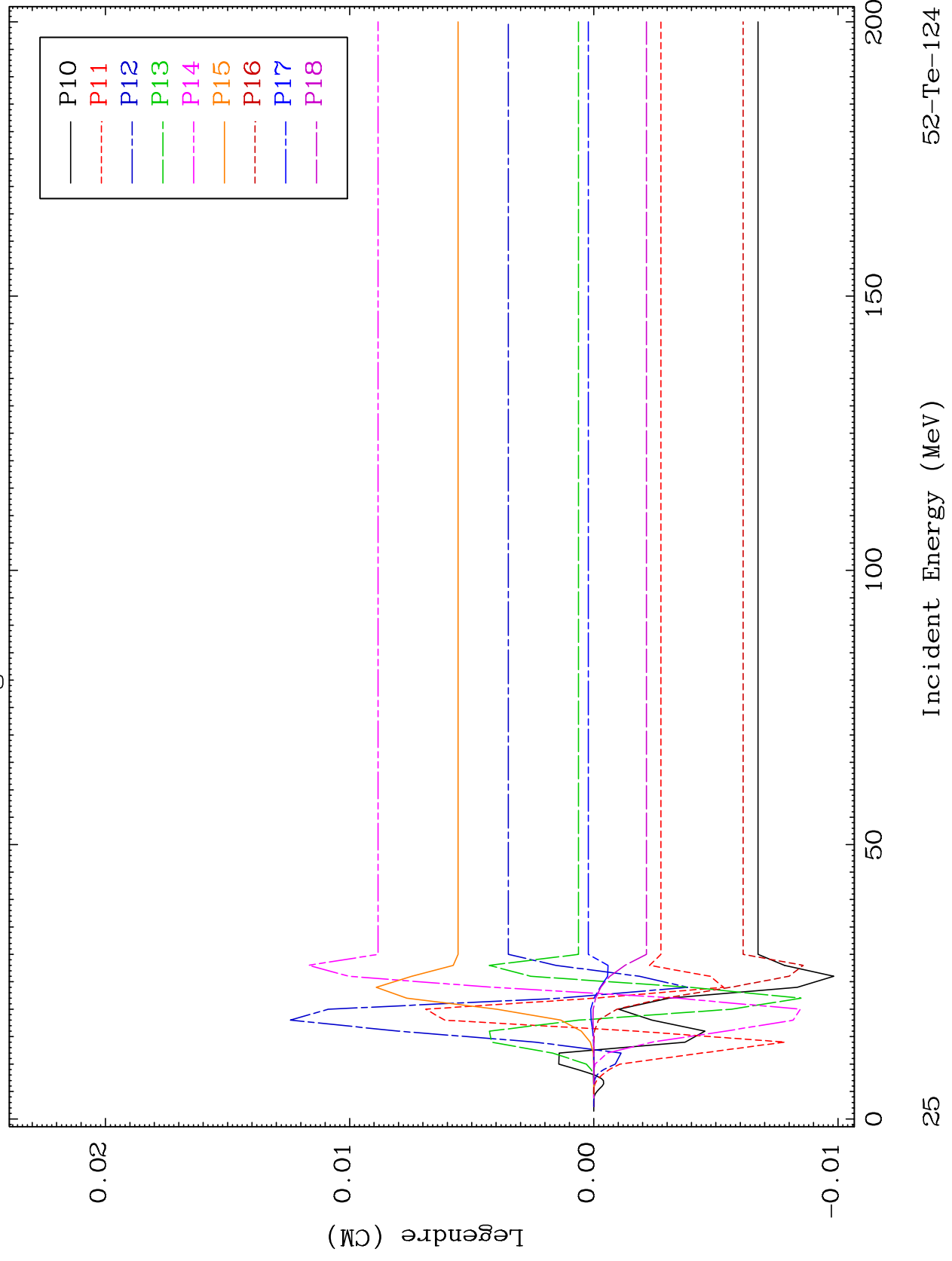
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



52-Te-124

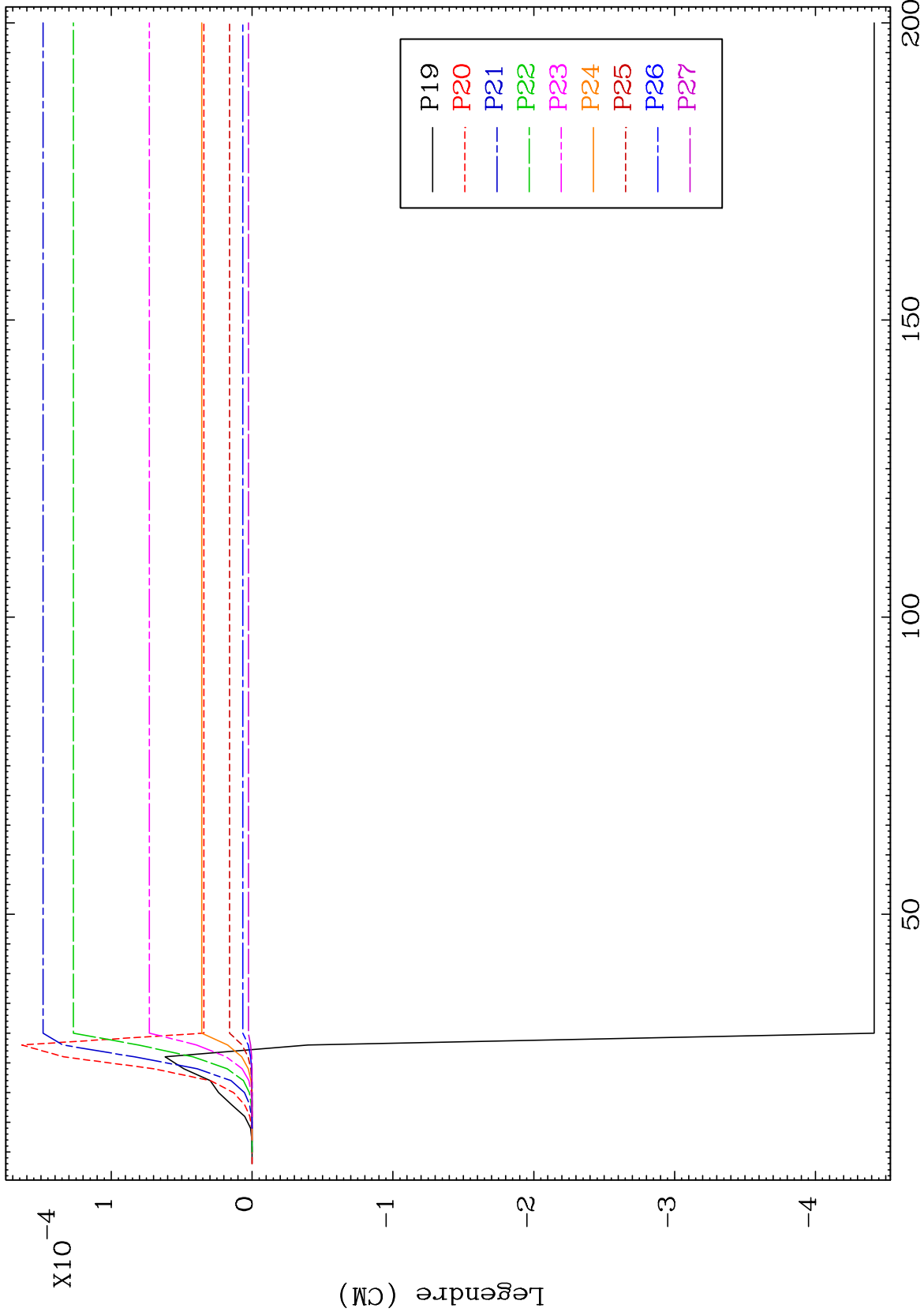
Incident Energy (MeV)

25

MAT 5237

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

52-Te-124



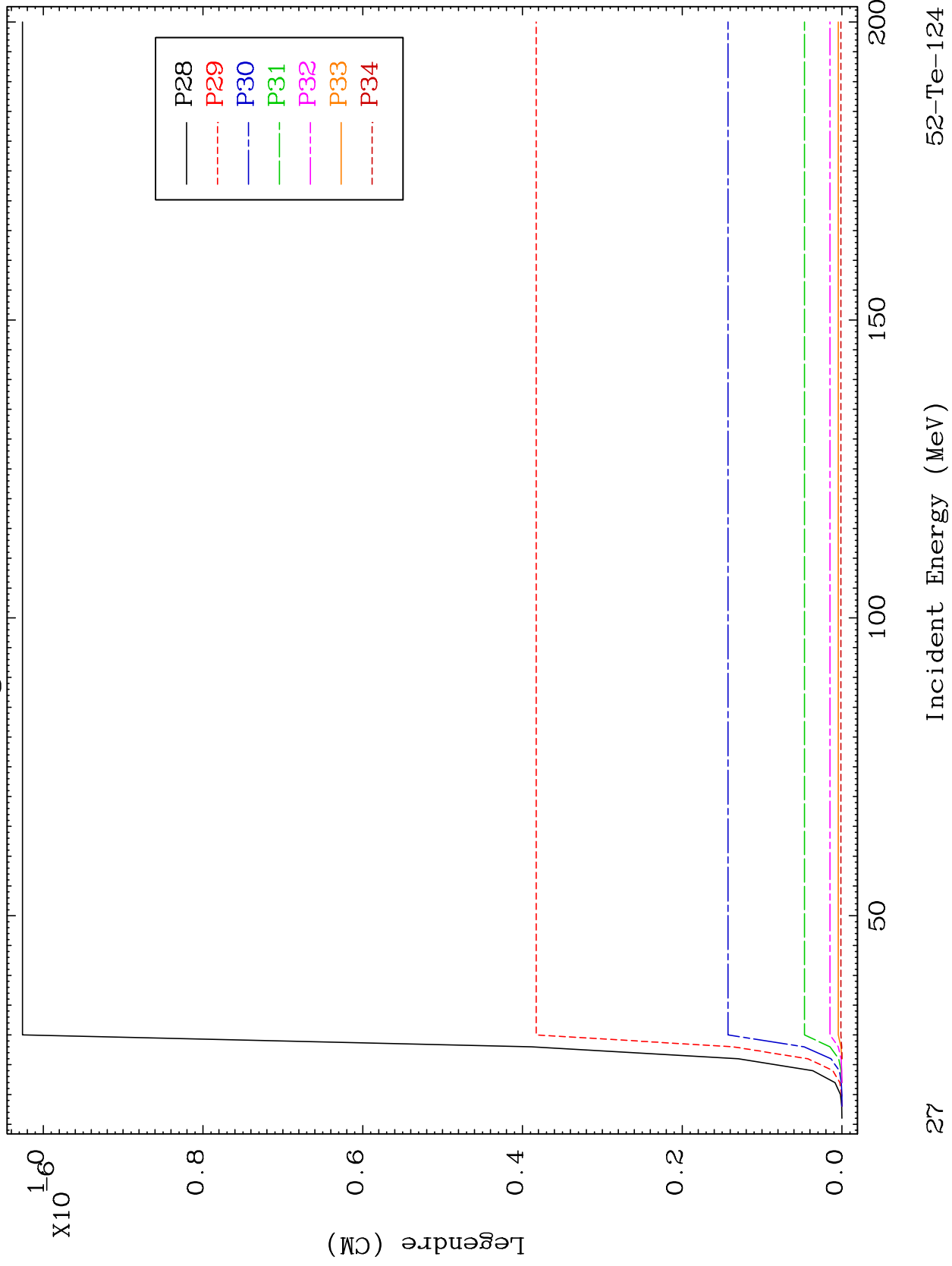
26

52-Te-124

MAT 5237

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

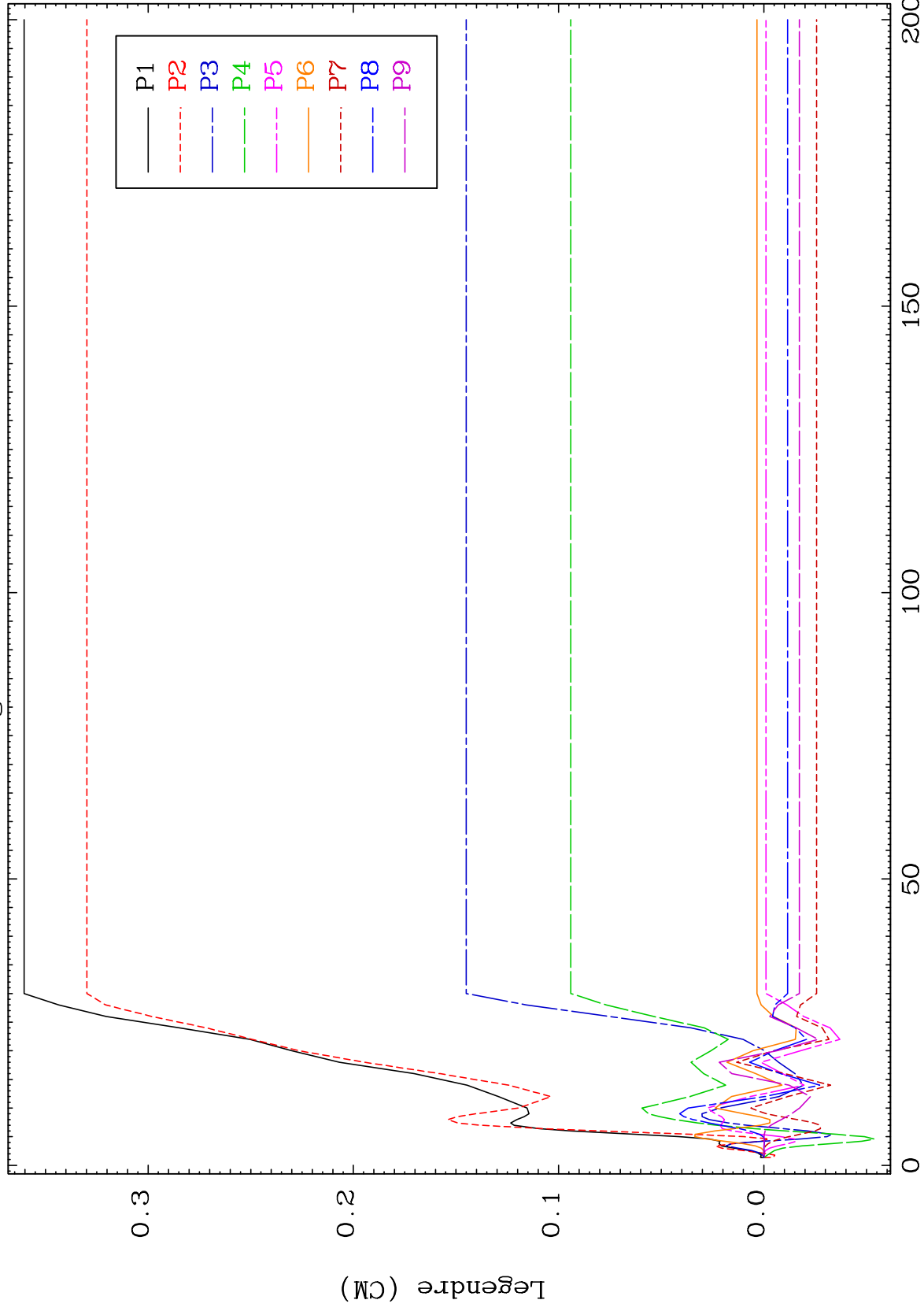
52-Te-124



MAT 5237

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

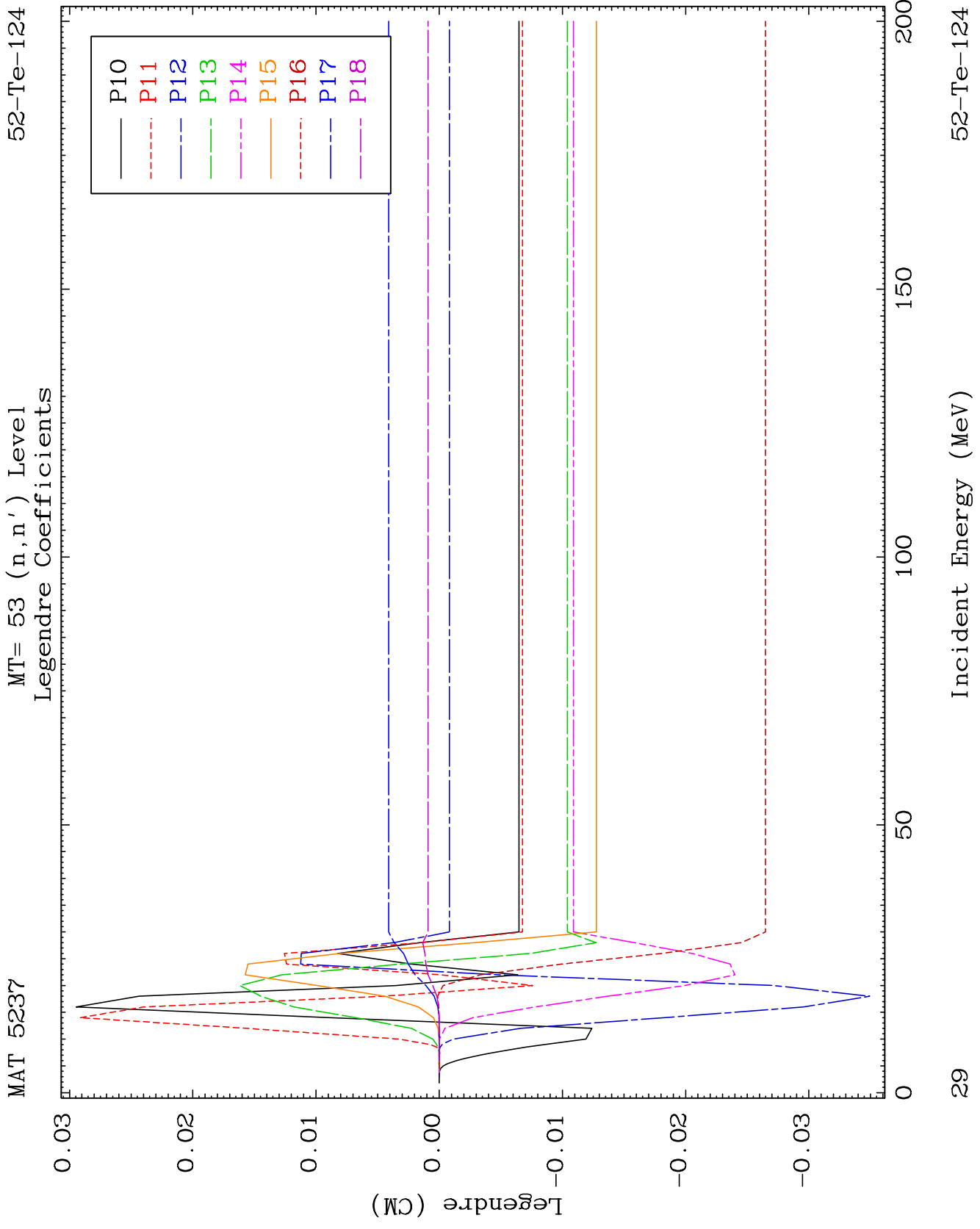
52-Te-124



28

Incident Energy (MeV)

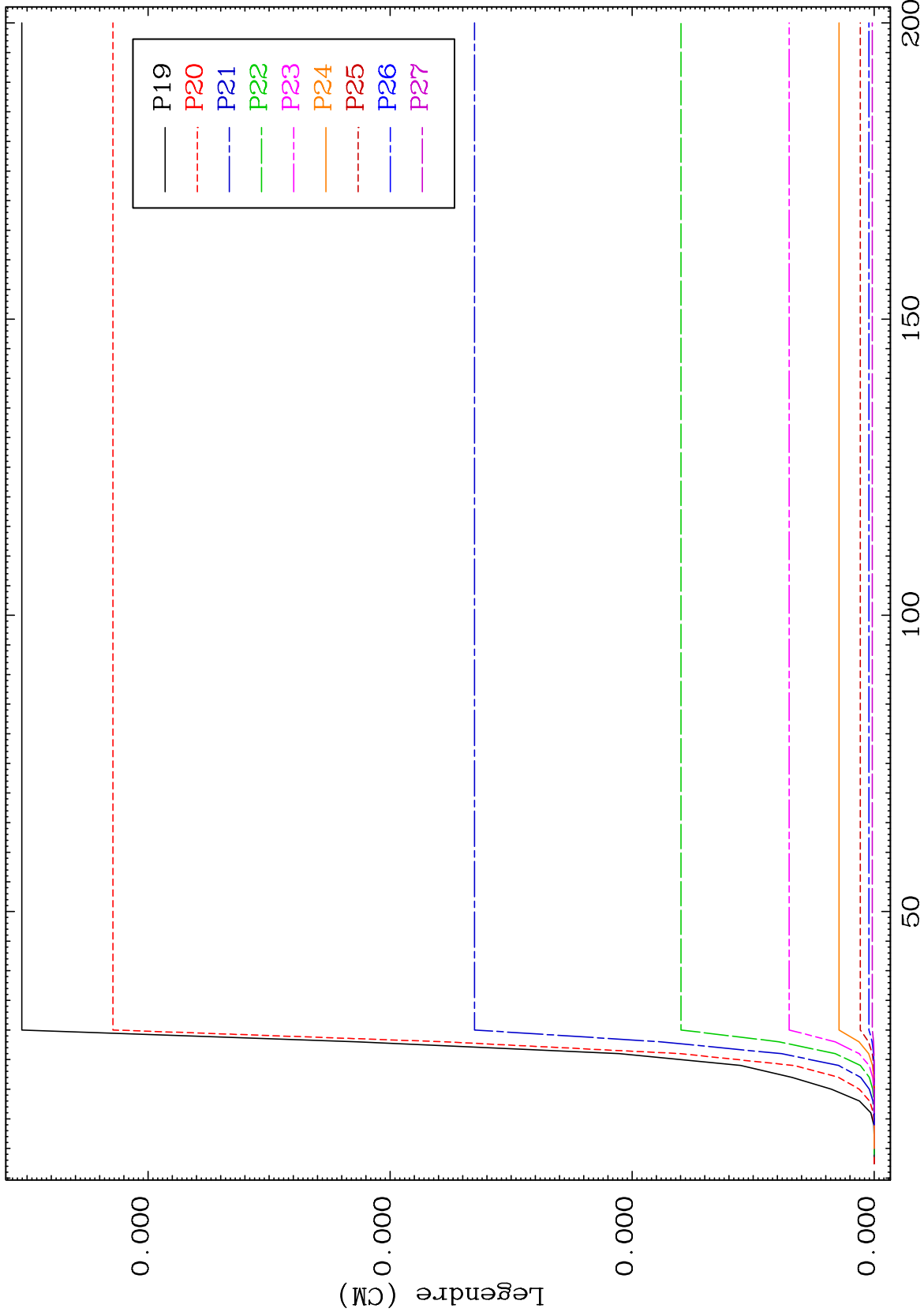
52-Te-124



MAT 5237

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

52-Te-124



30

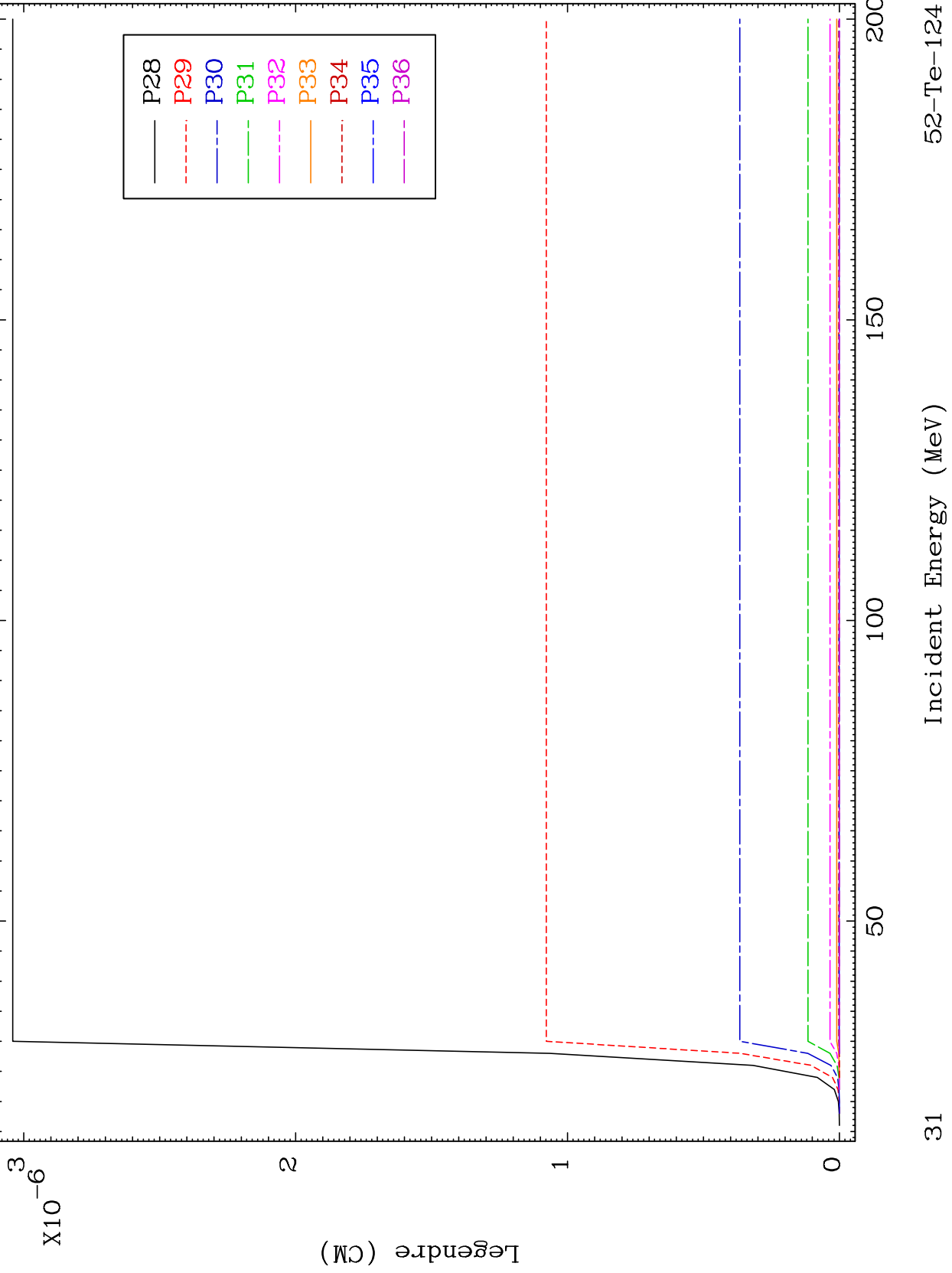
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124

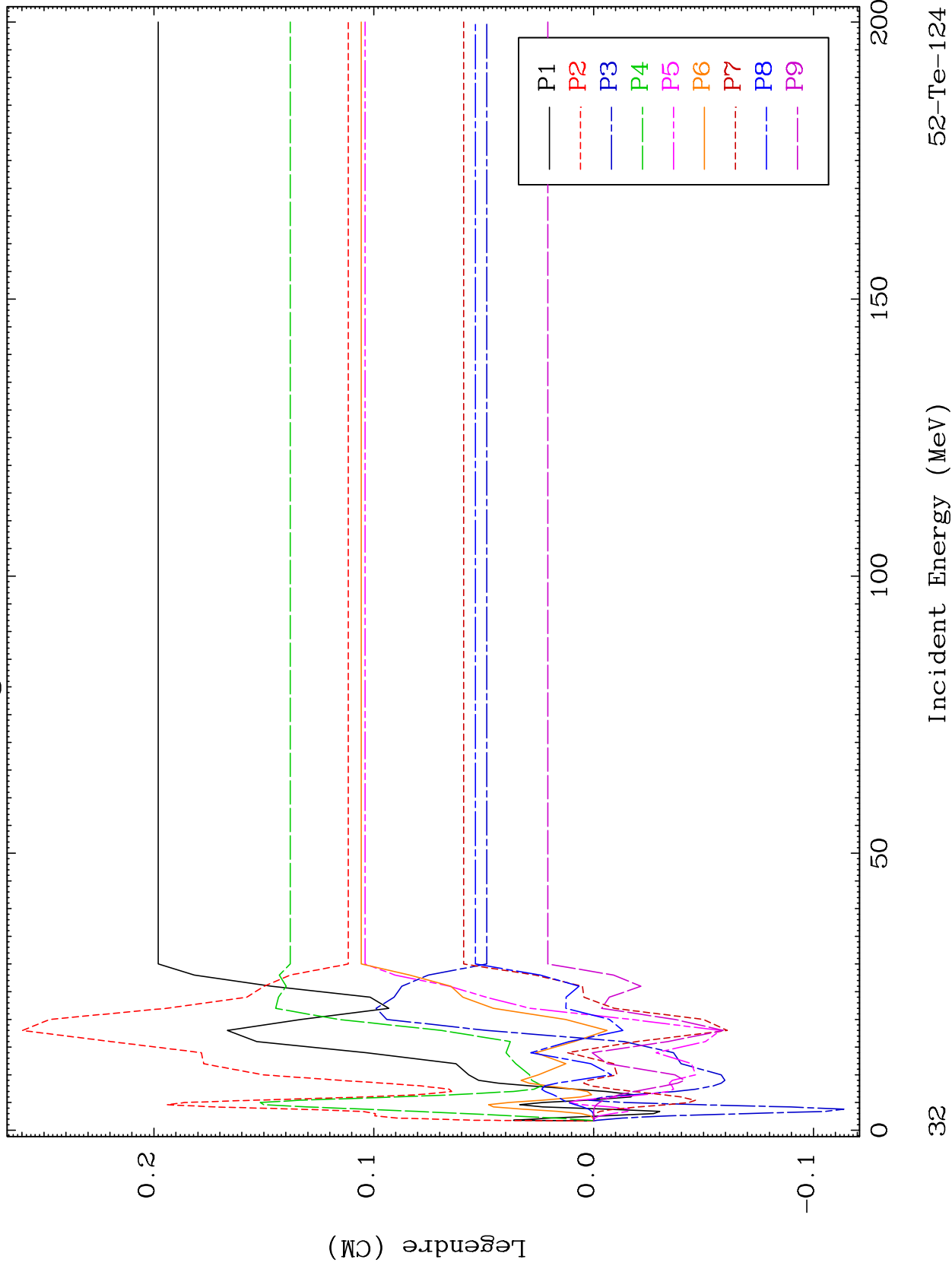




MAT 5237

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

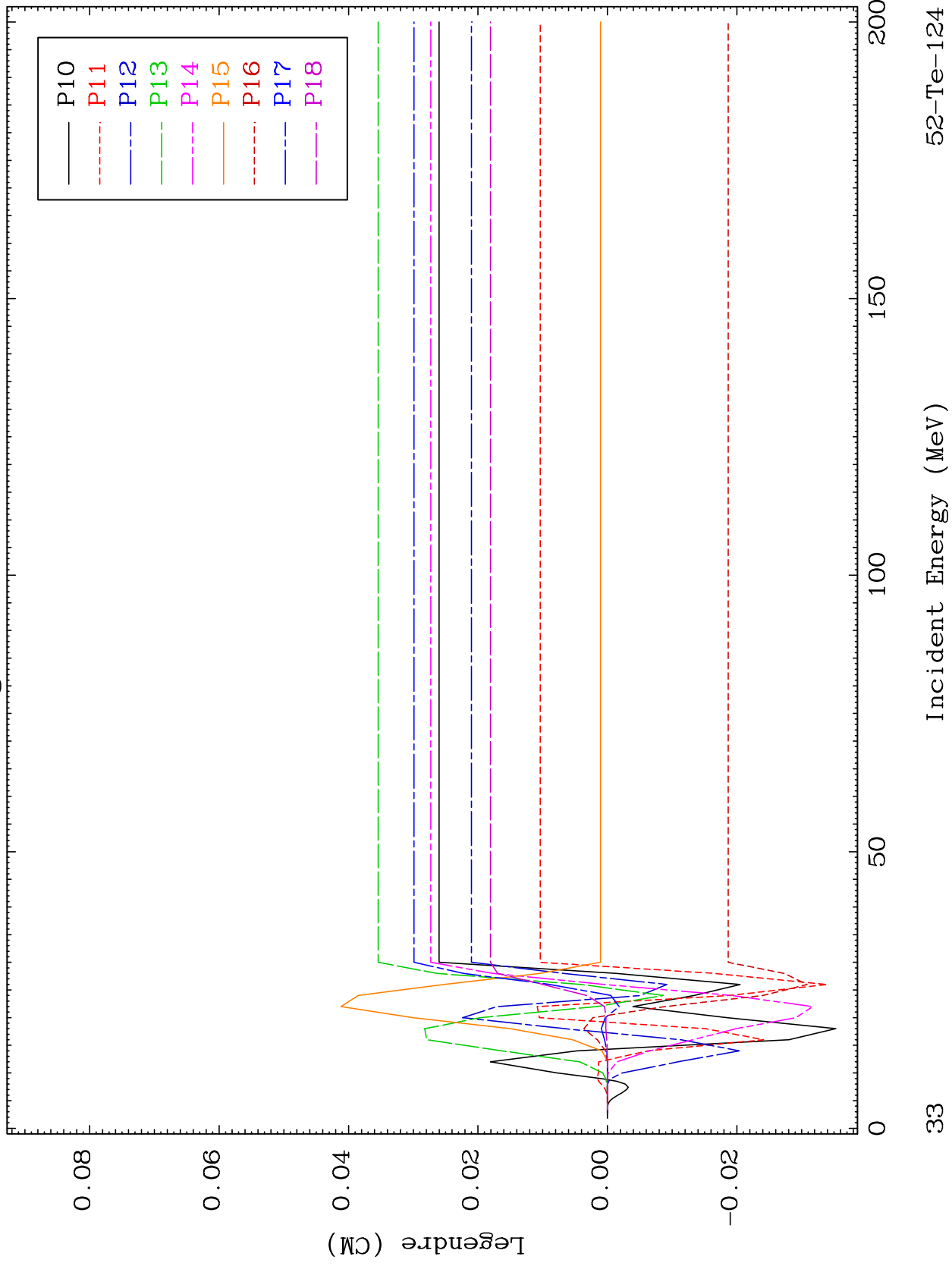
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MAT 5237

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

52-Te-124



33

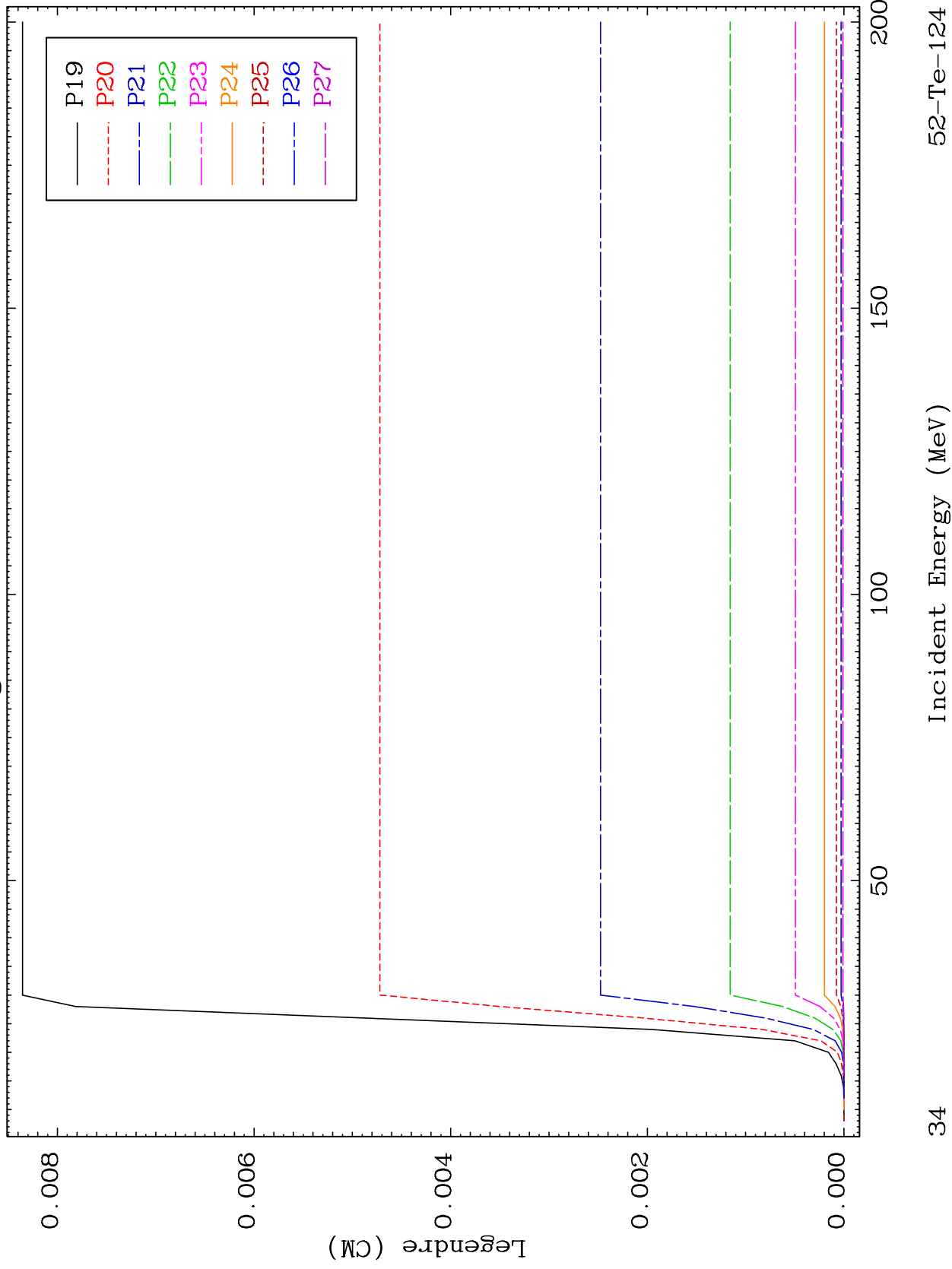
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



34

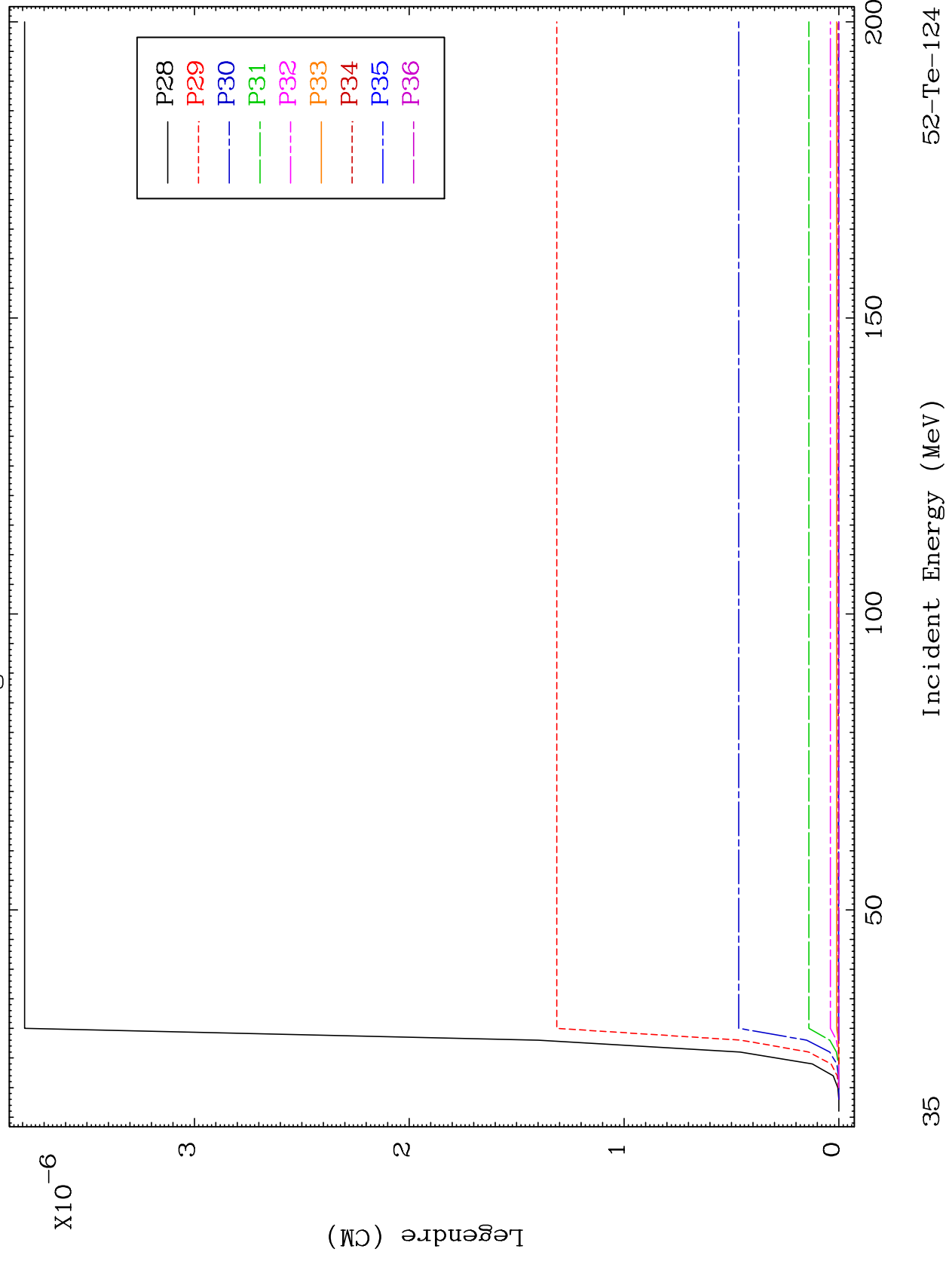
Incident Energy (MeV)

52-Te-124

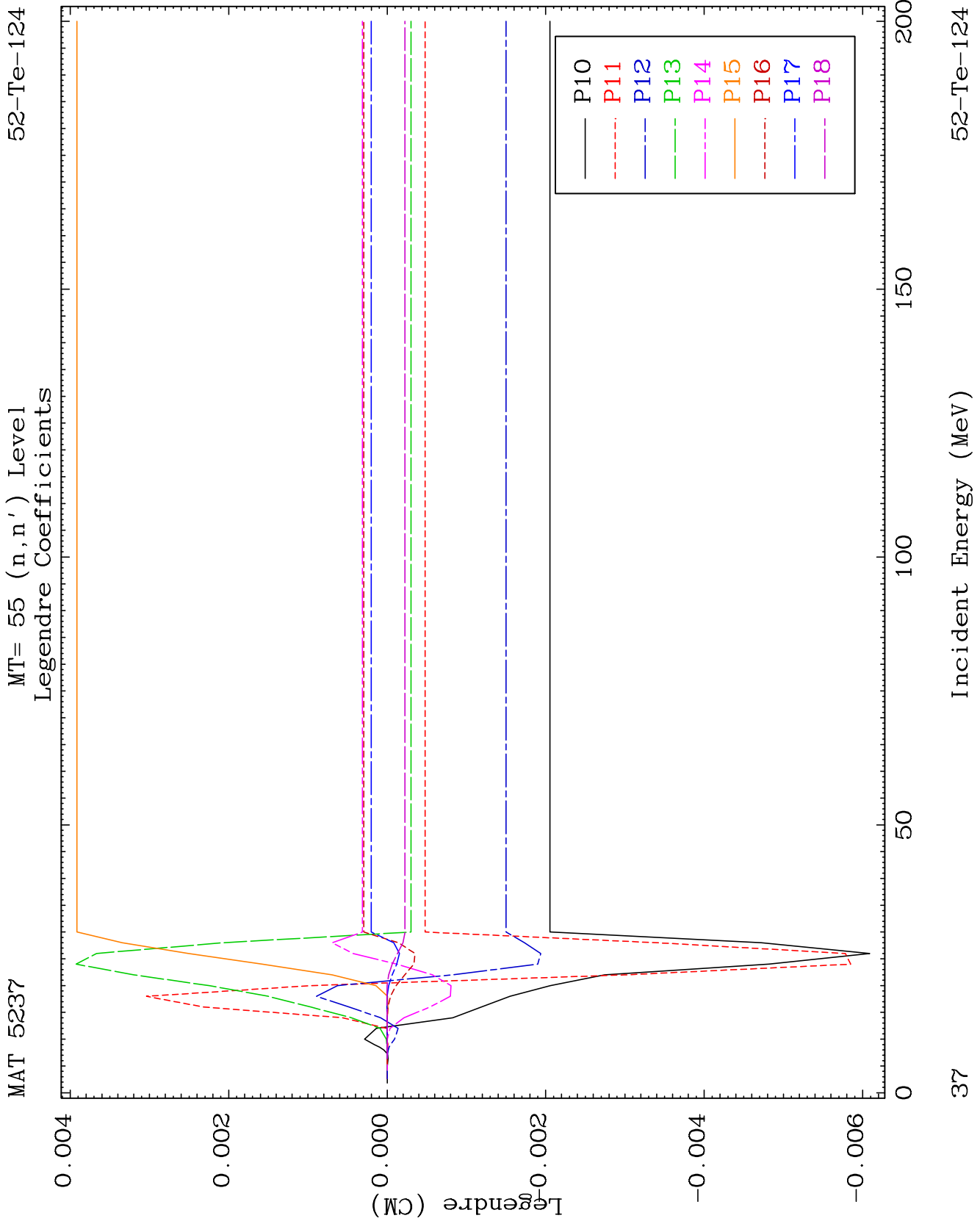
MAT 5237

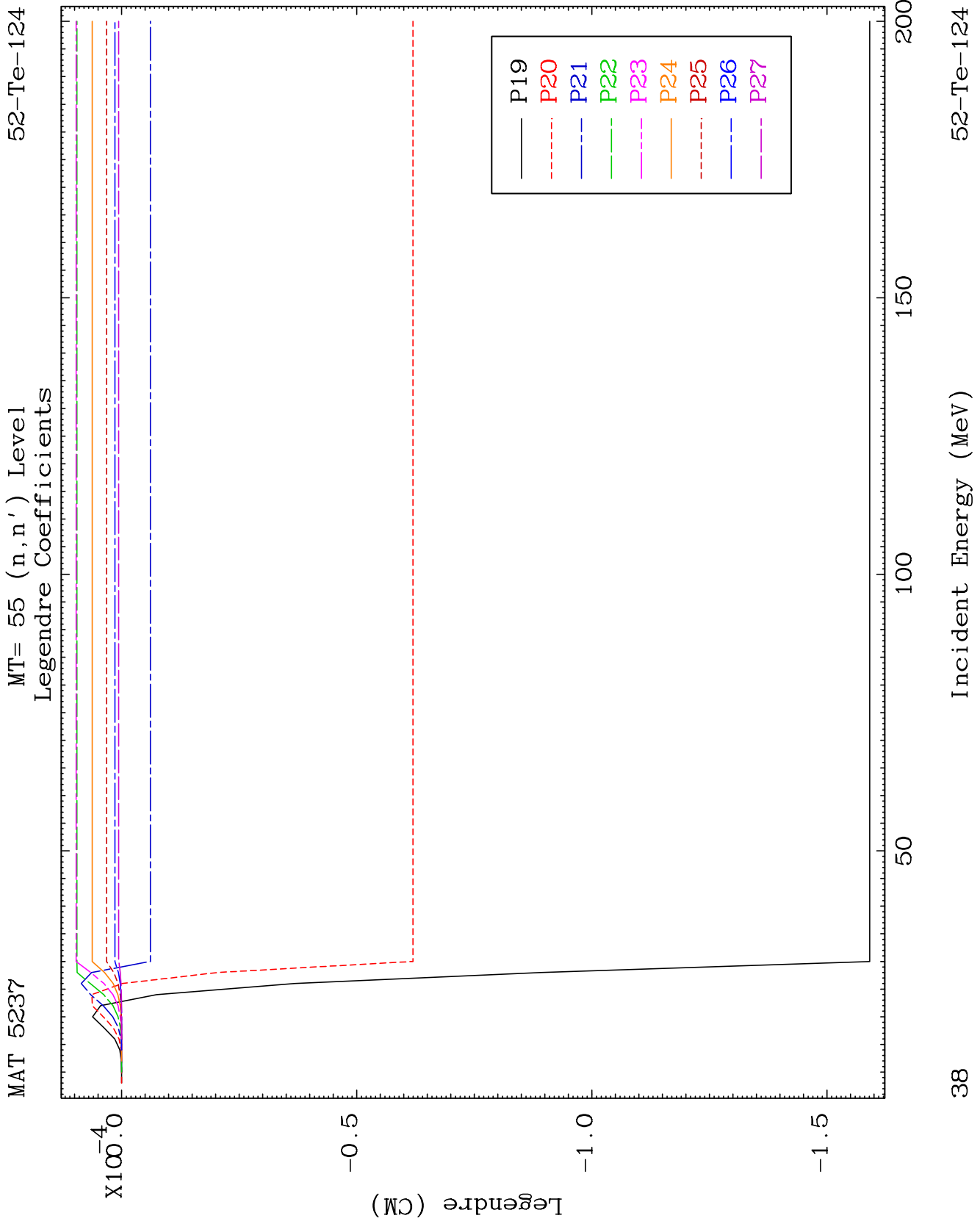
MT= 54 (n,n') Level  
Legendre Coefficients

52-Te-124





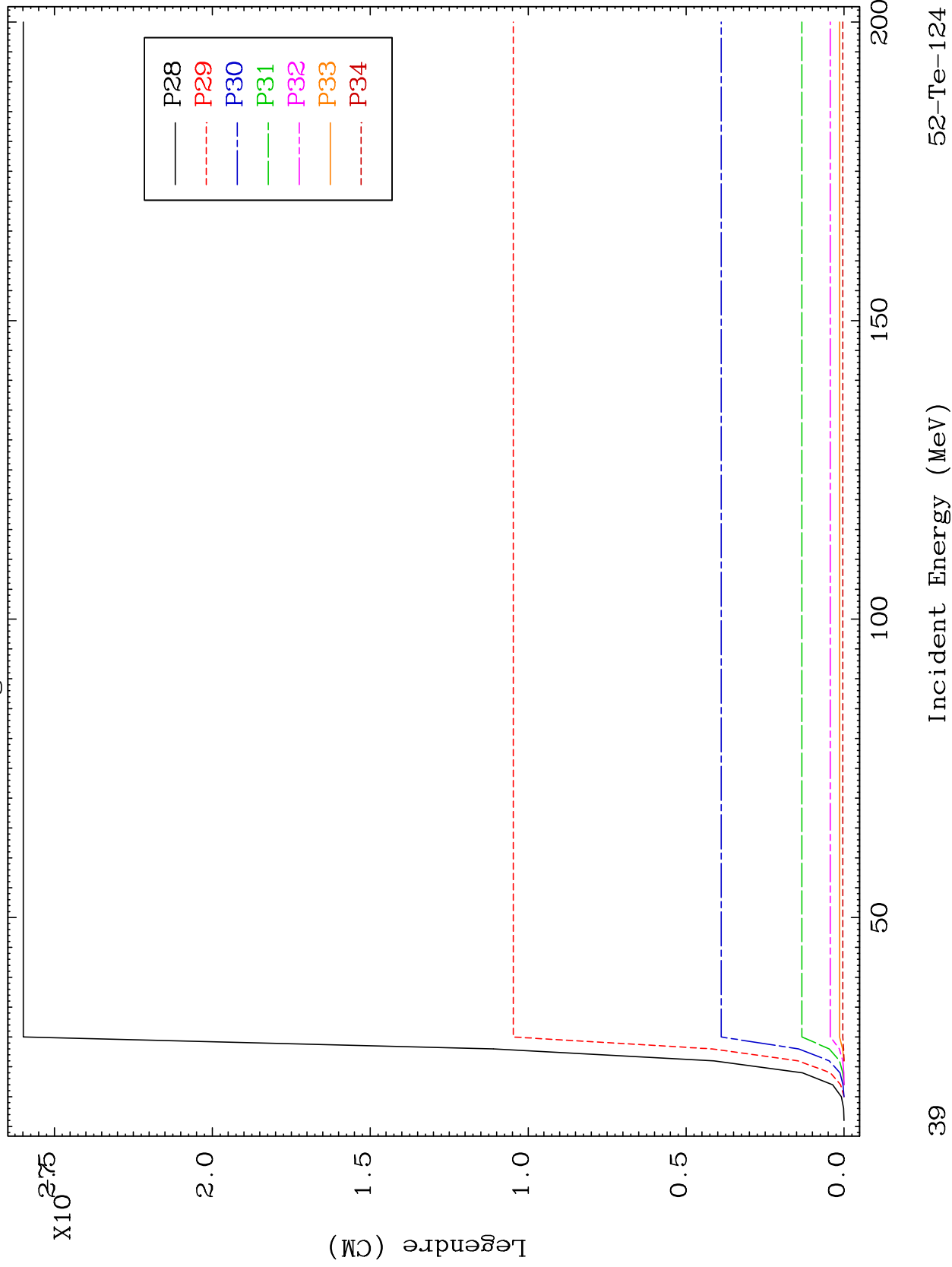




MAT 5237

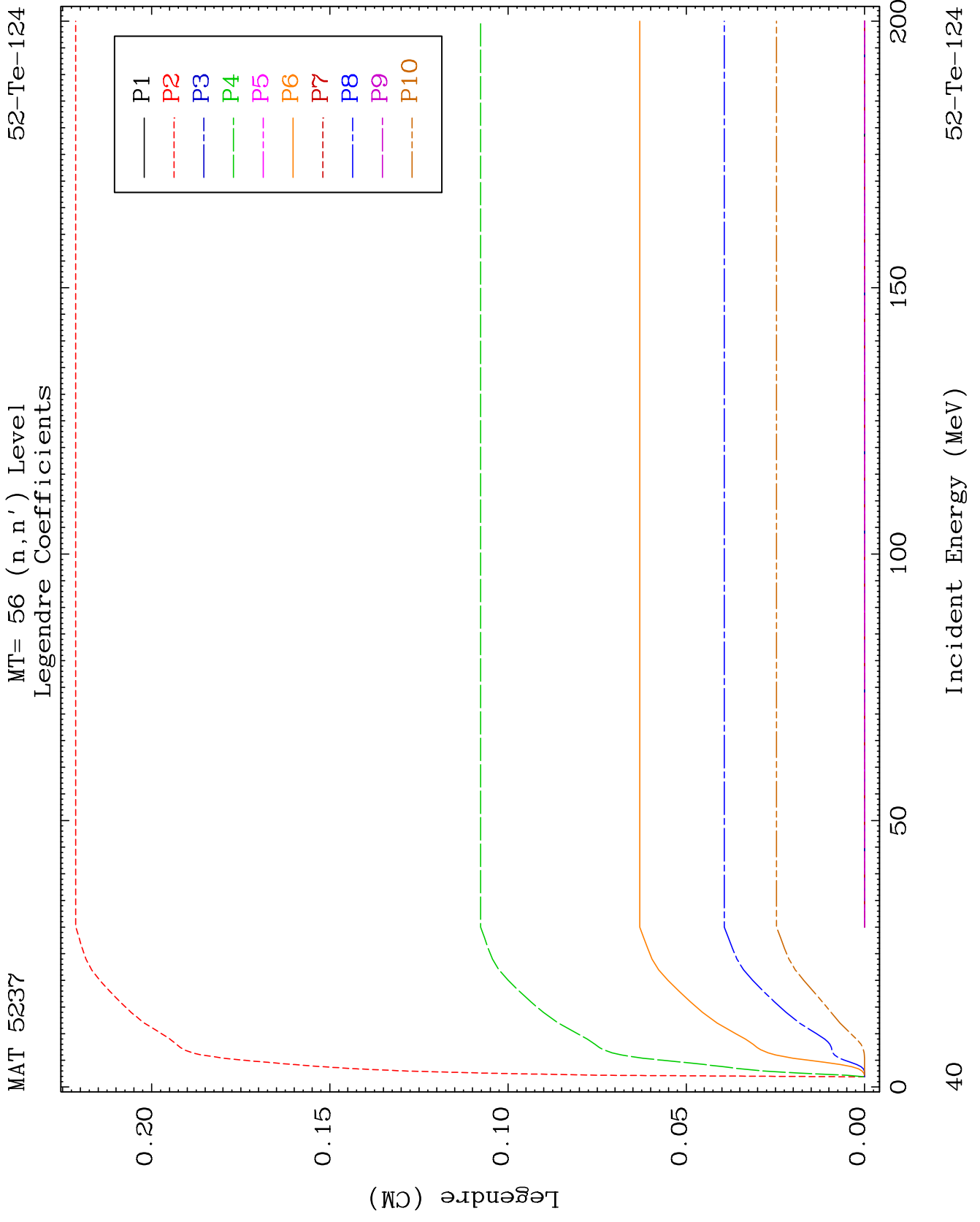
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Legendre Coefficients

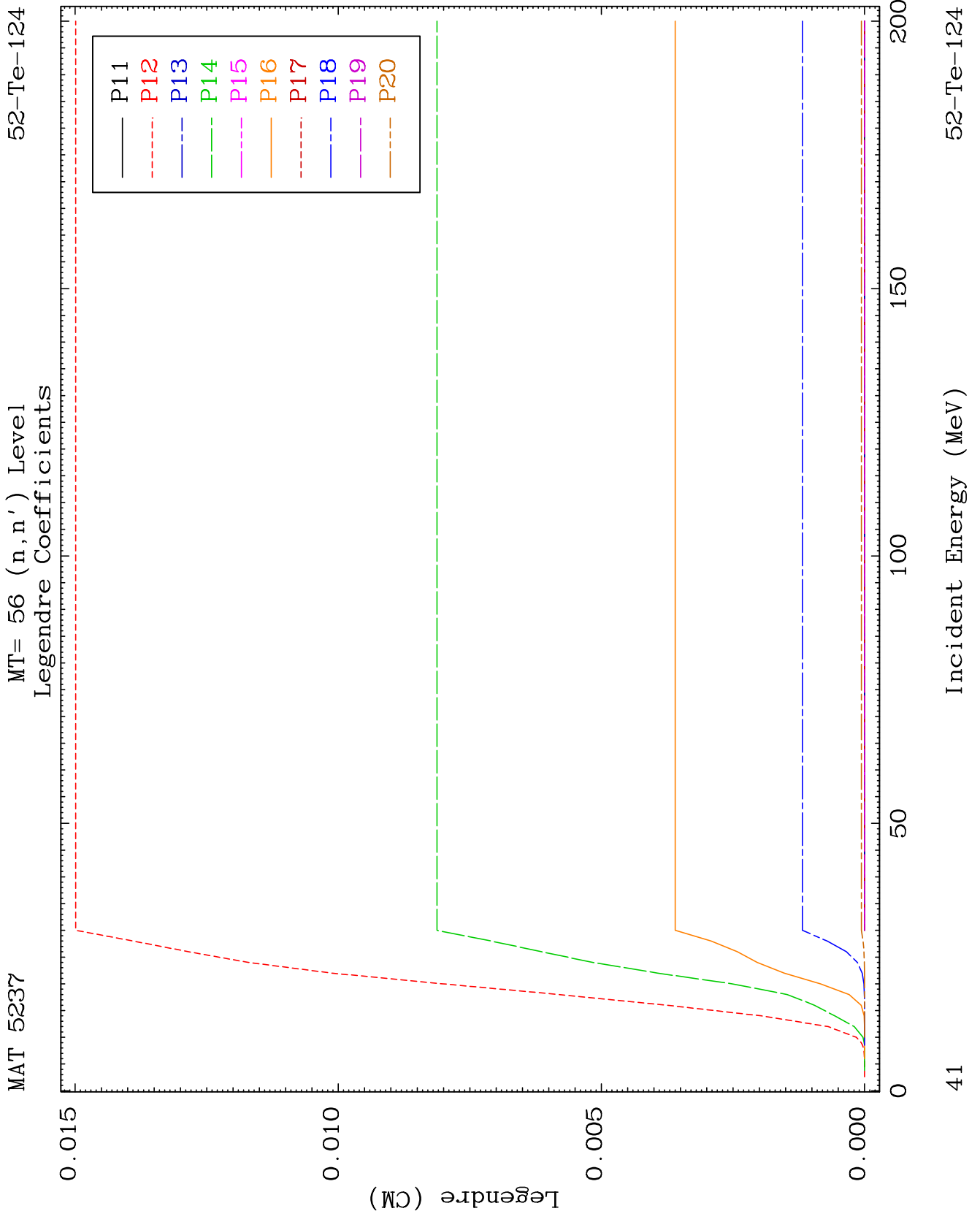
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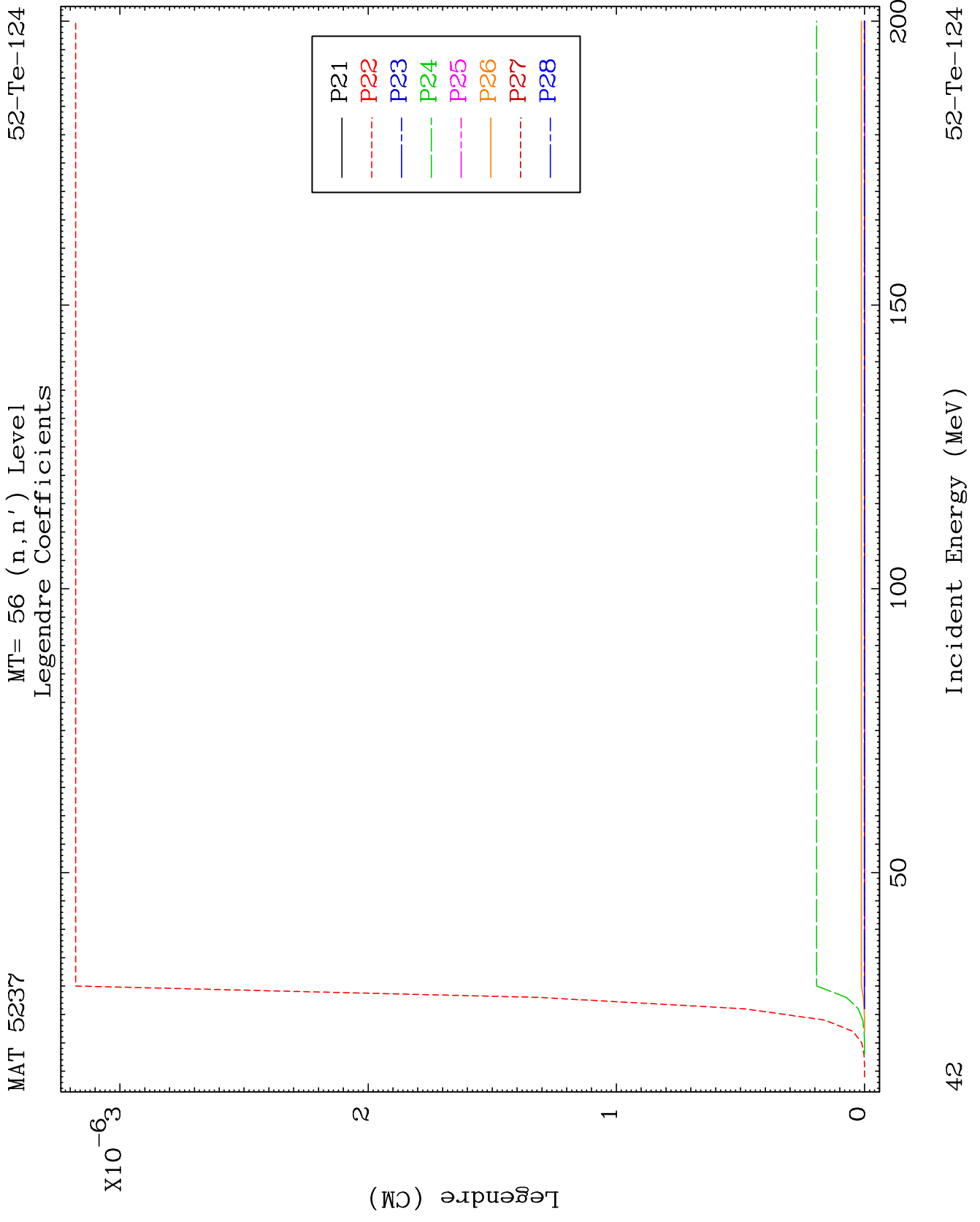


39





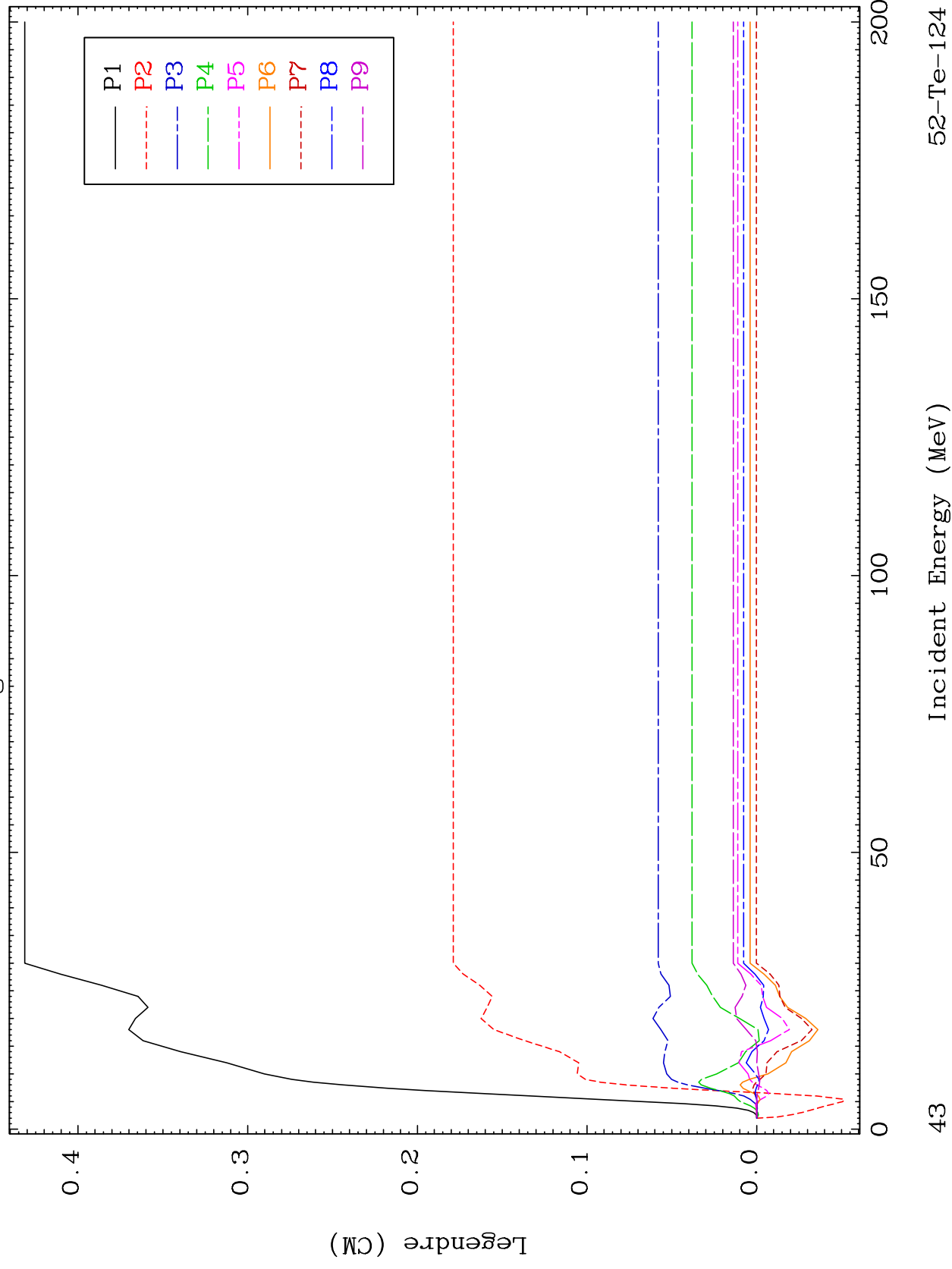




MAT 5237

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

52-Te-124



52-Te-124

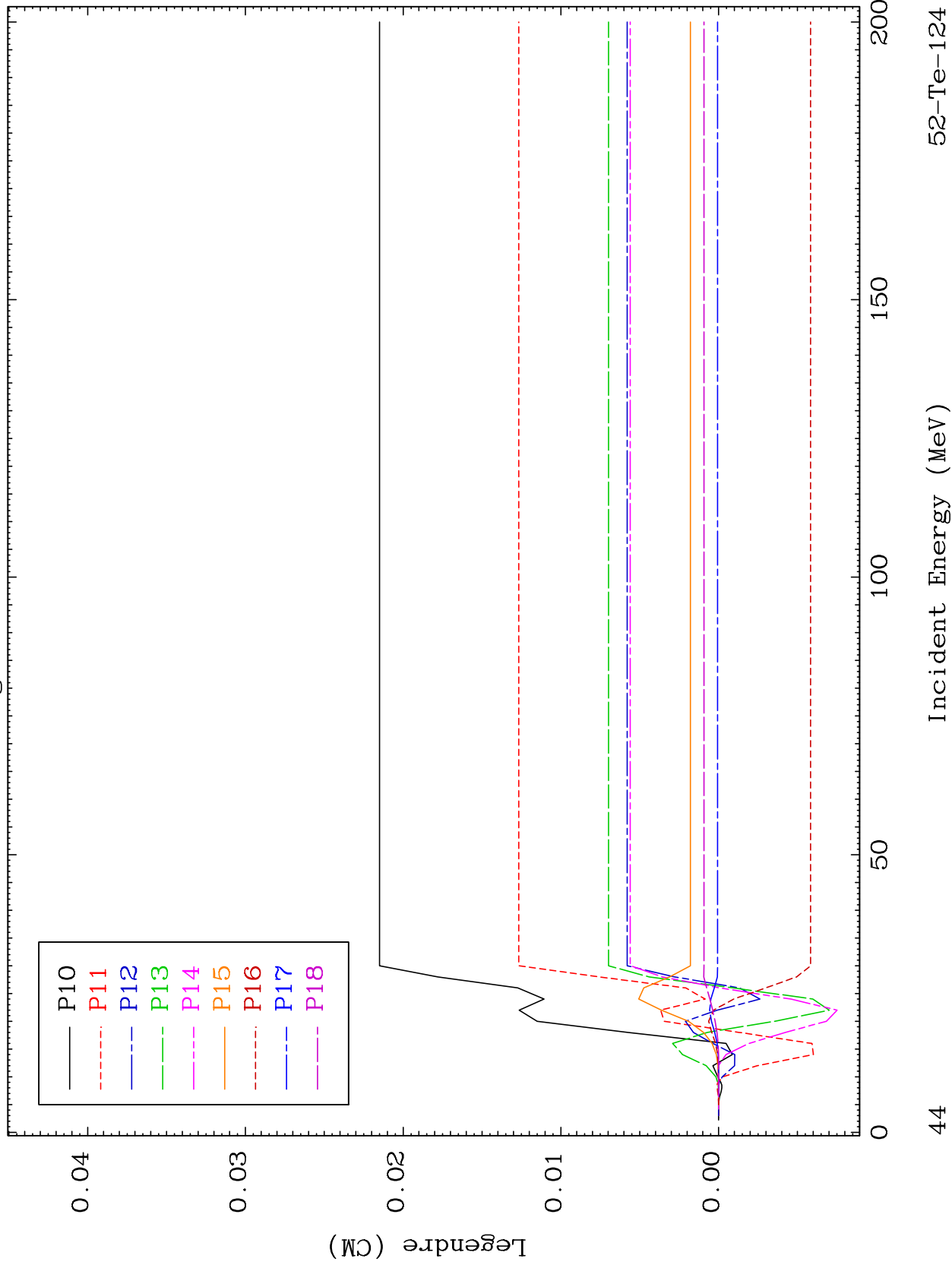
Incident Energy (MeV)

43

MAT 5237

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

52-Te-124



44

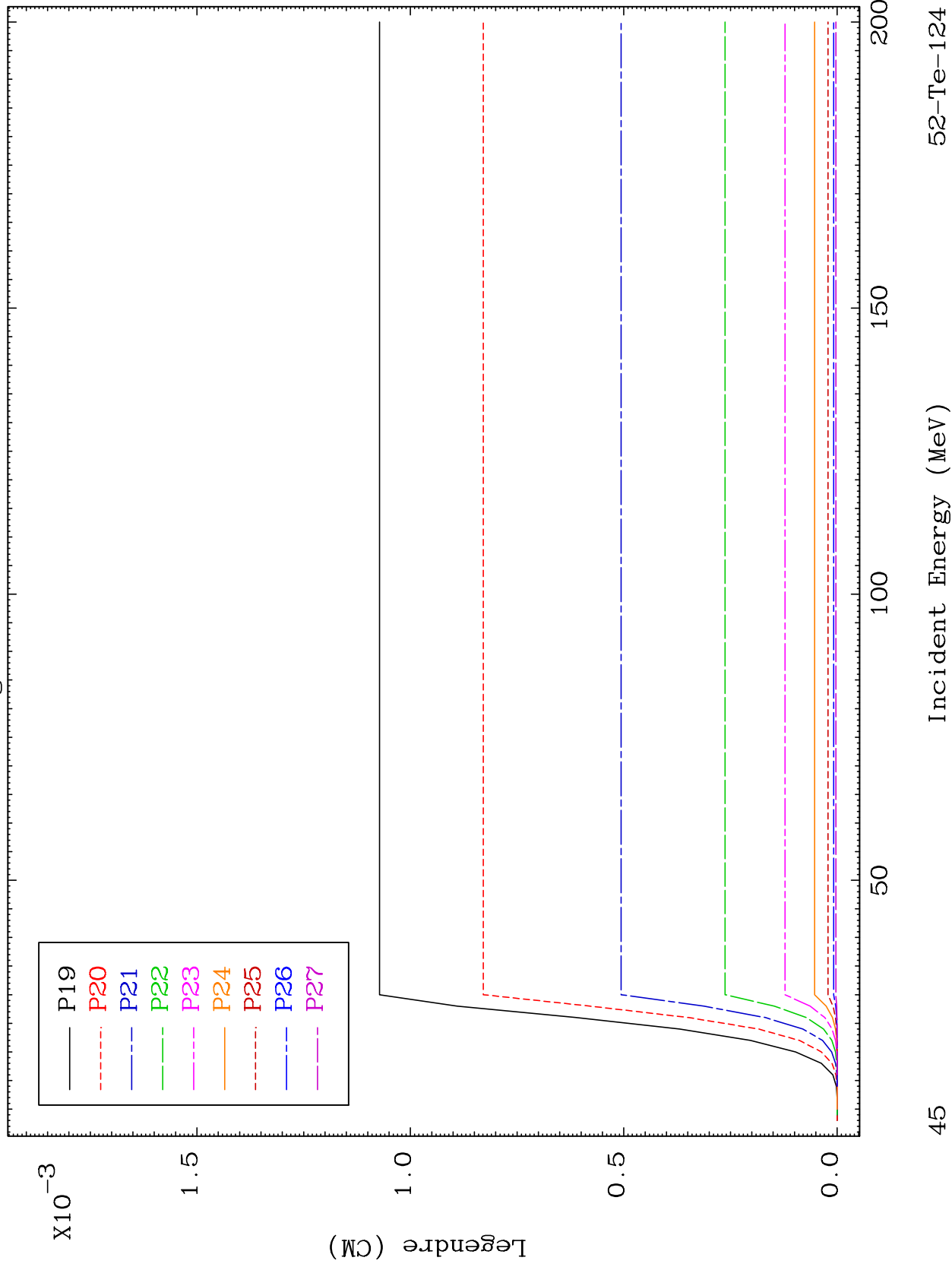
Incident Energy (MeV)

52-Te-124

MAT 5237

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

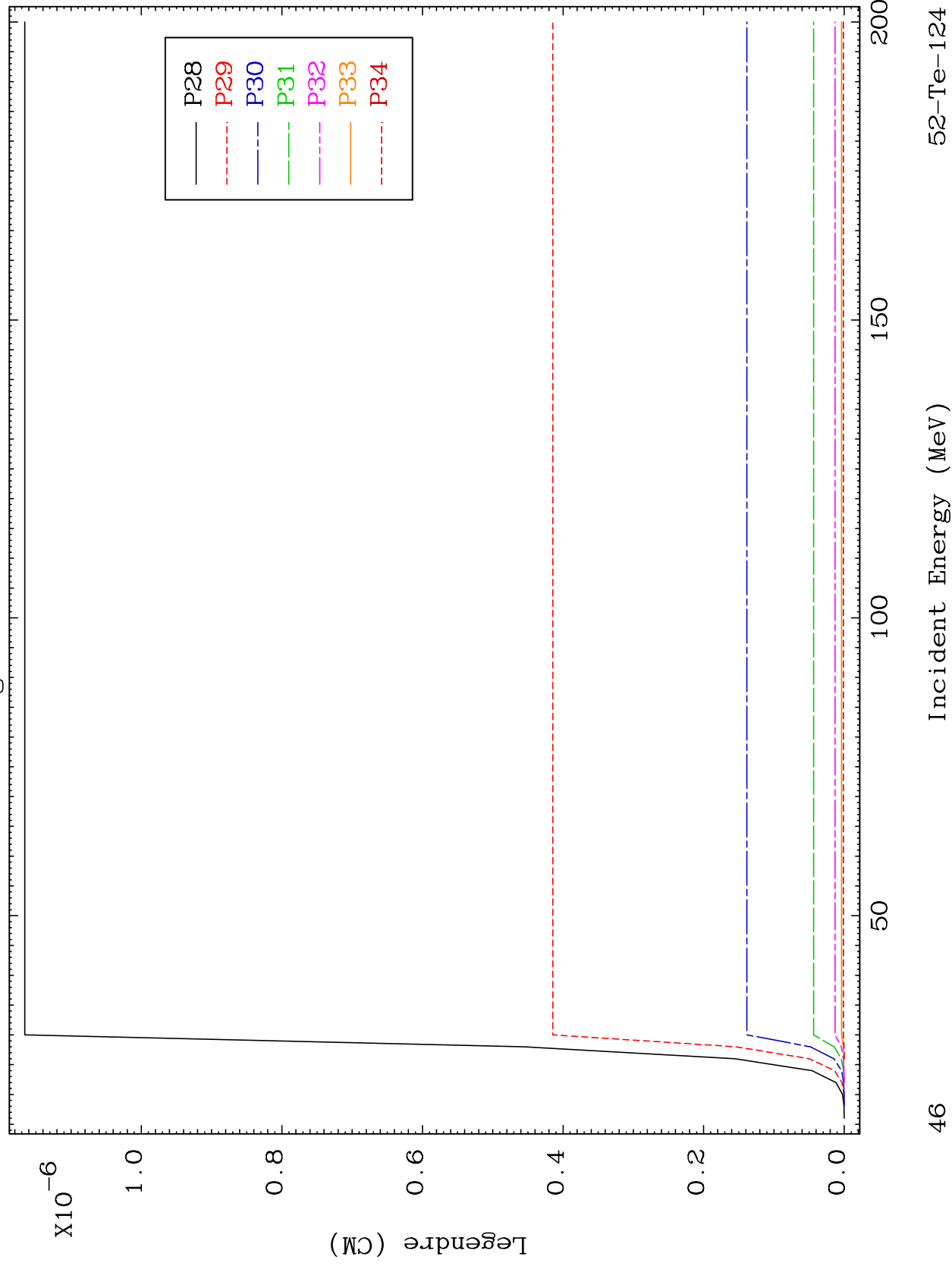
52-Te-124



MAT 5237

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

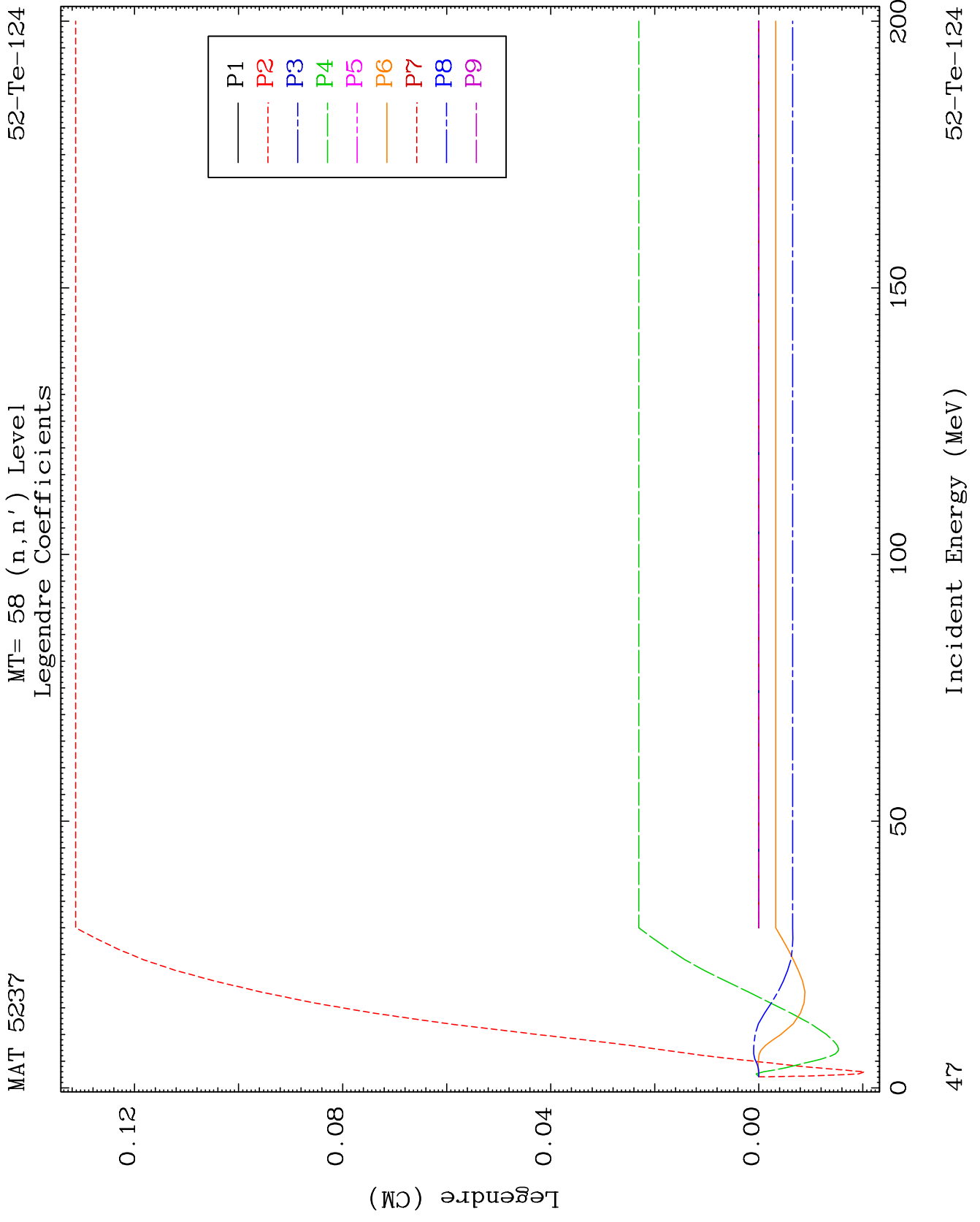
52-Te-124



46

Incident Energy (MeV)

52-Te-124

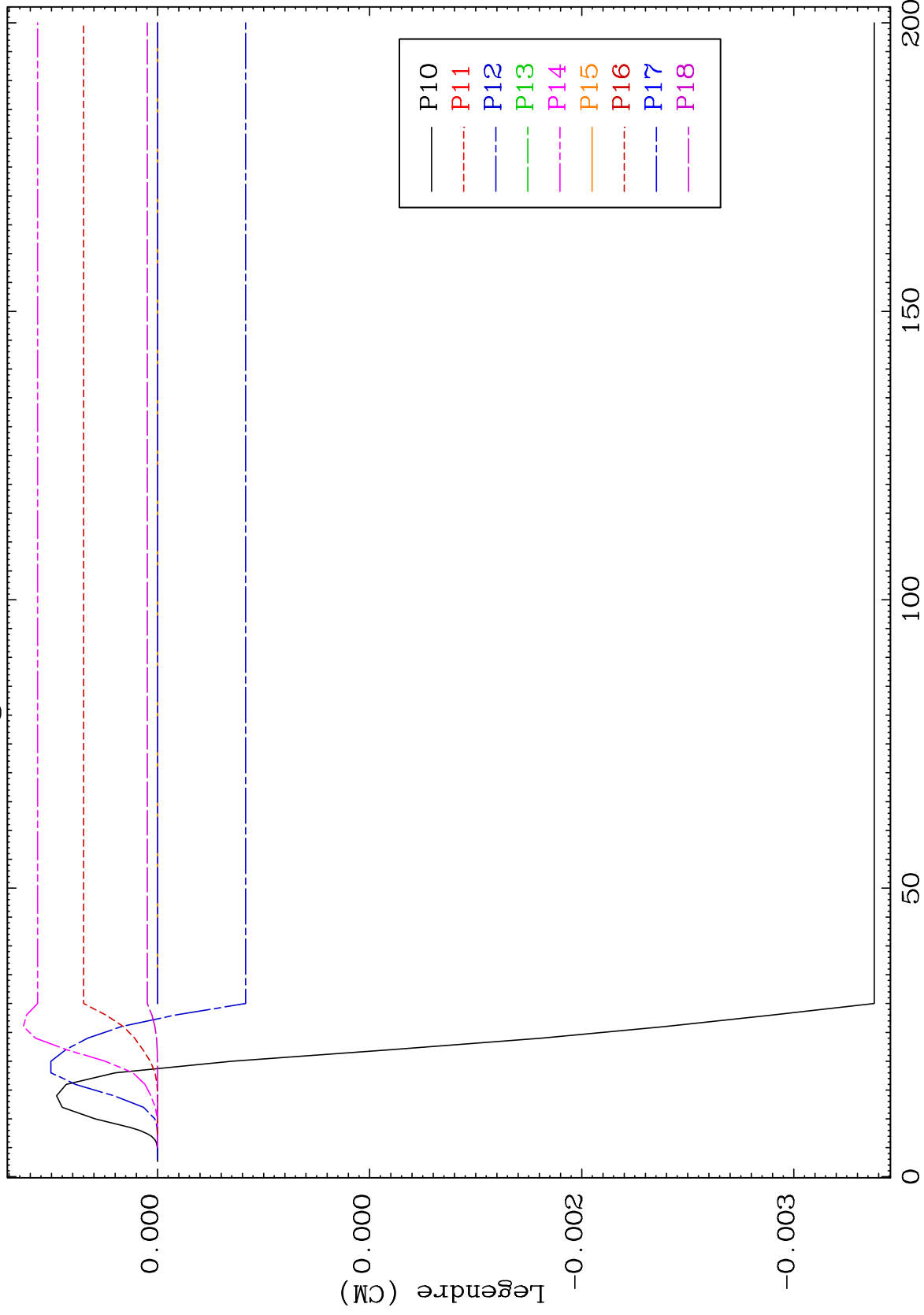




MAT 5237

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

52-Te-124



48

Incident Energy (MeV)

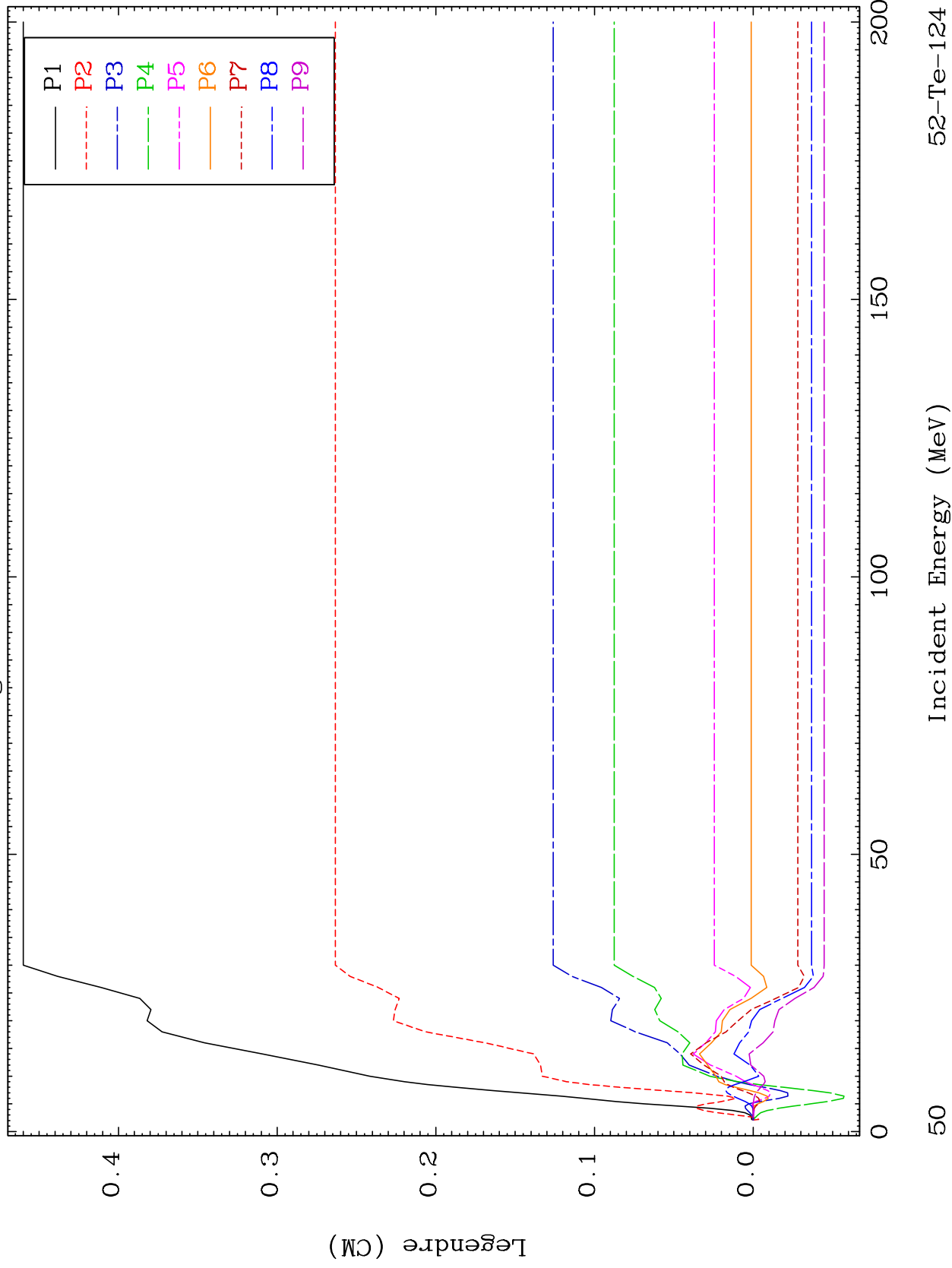
52-Te-124



MAT 5237

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

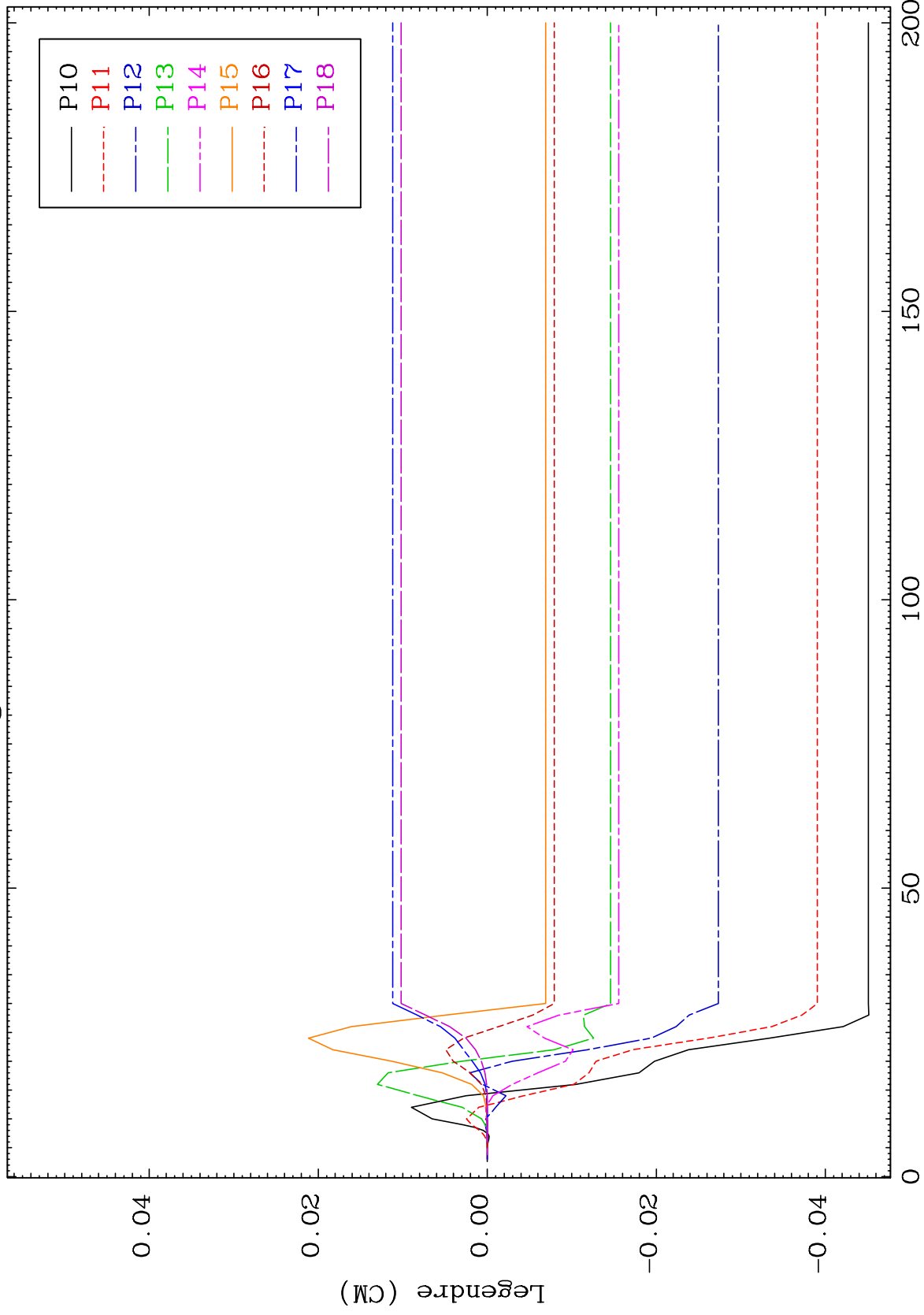
52-Te-124



MAT 5237

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

52-Te-124



51

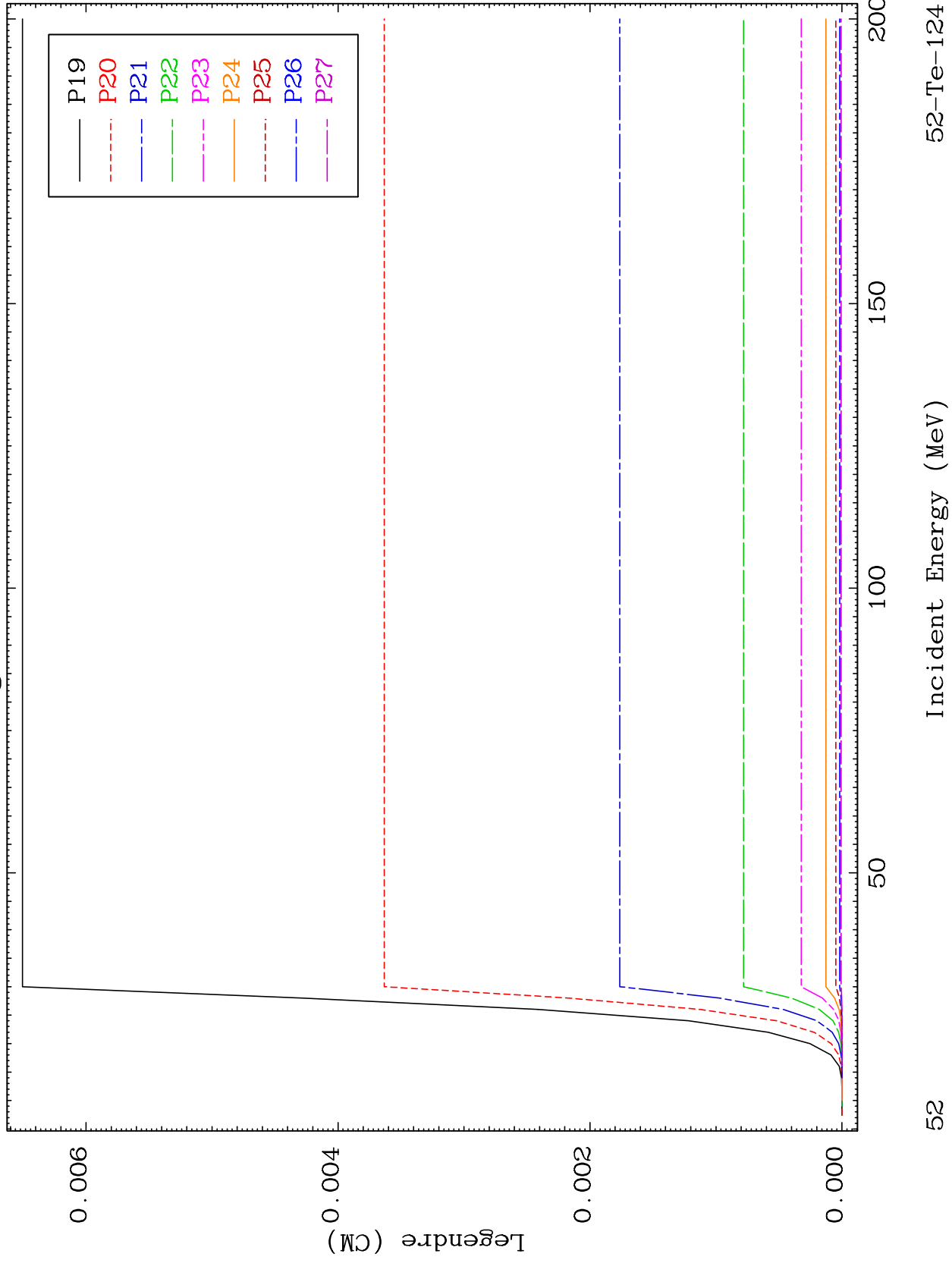
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



52

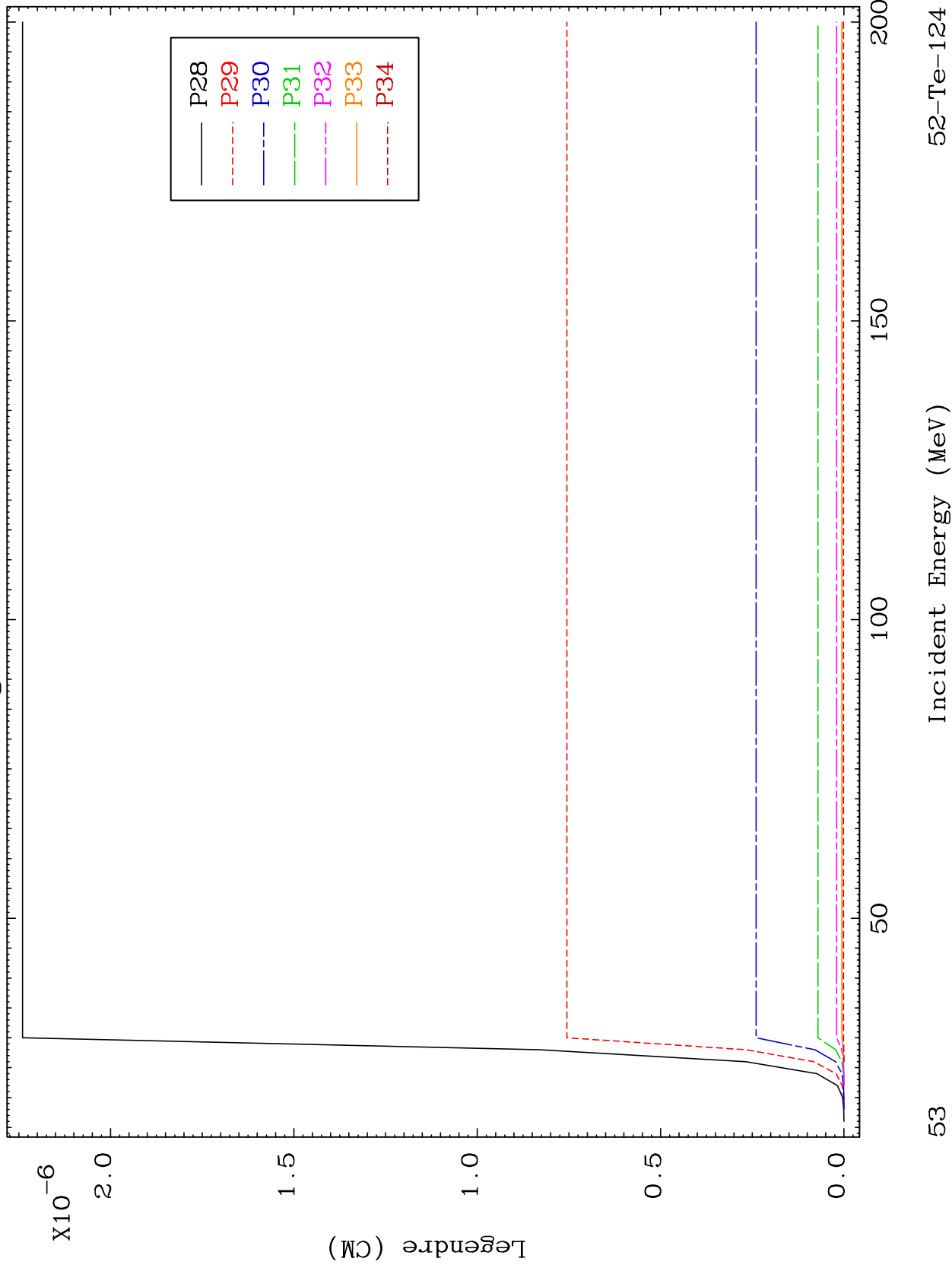
Incident Energy (MeV)

52-Te-124

MAT 5237

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

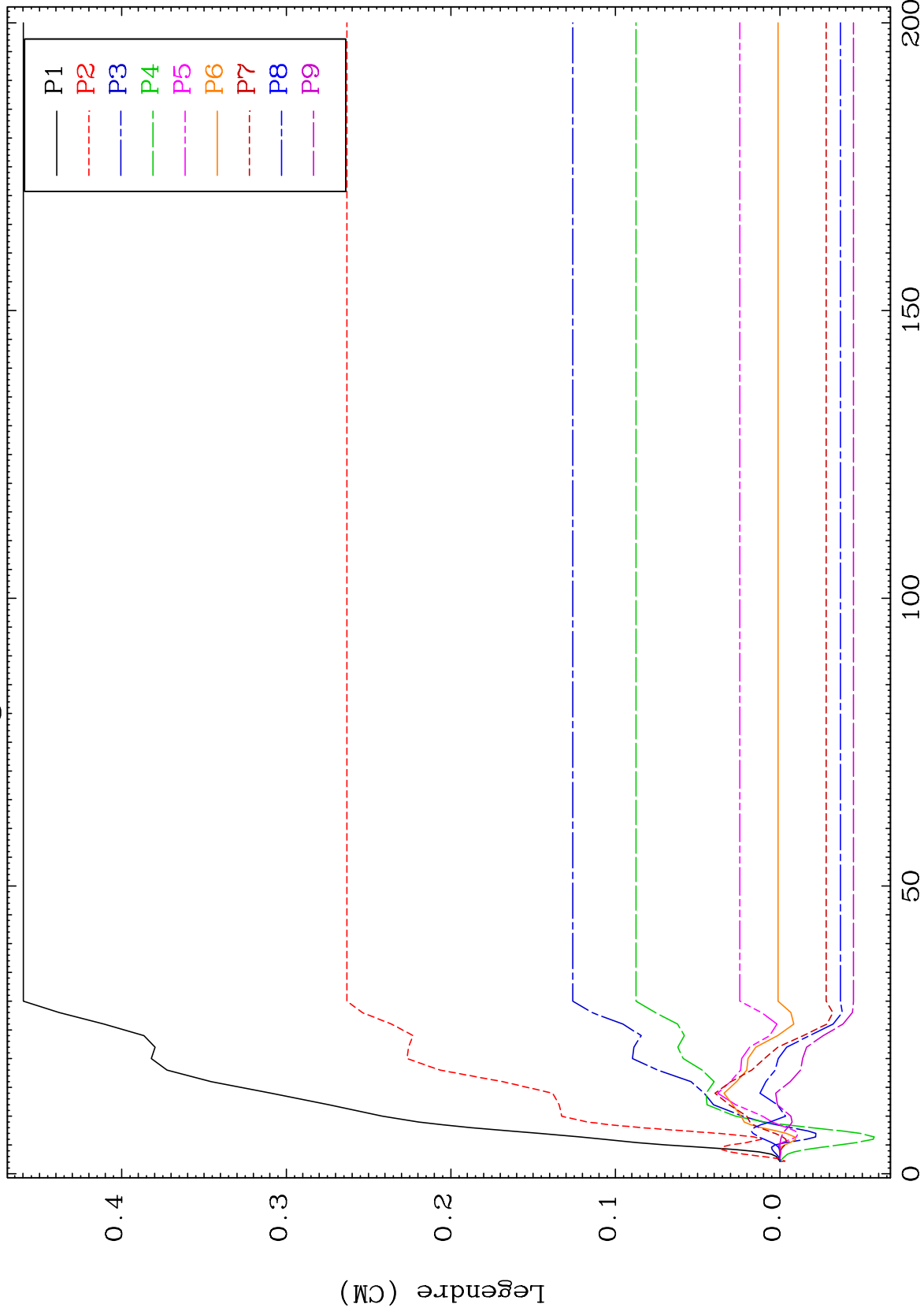
52-Te-124



MAT 5237

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

52-Te-124



54

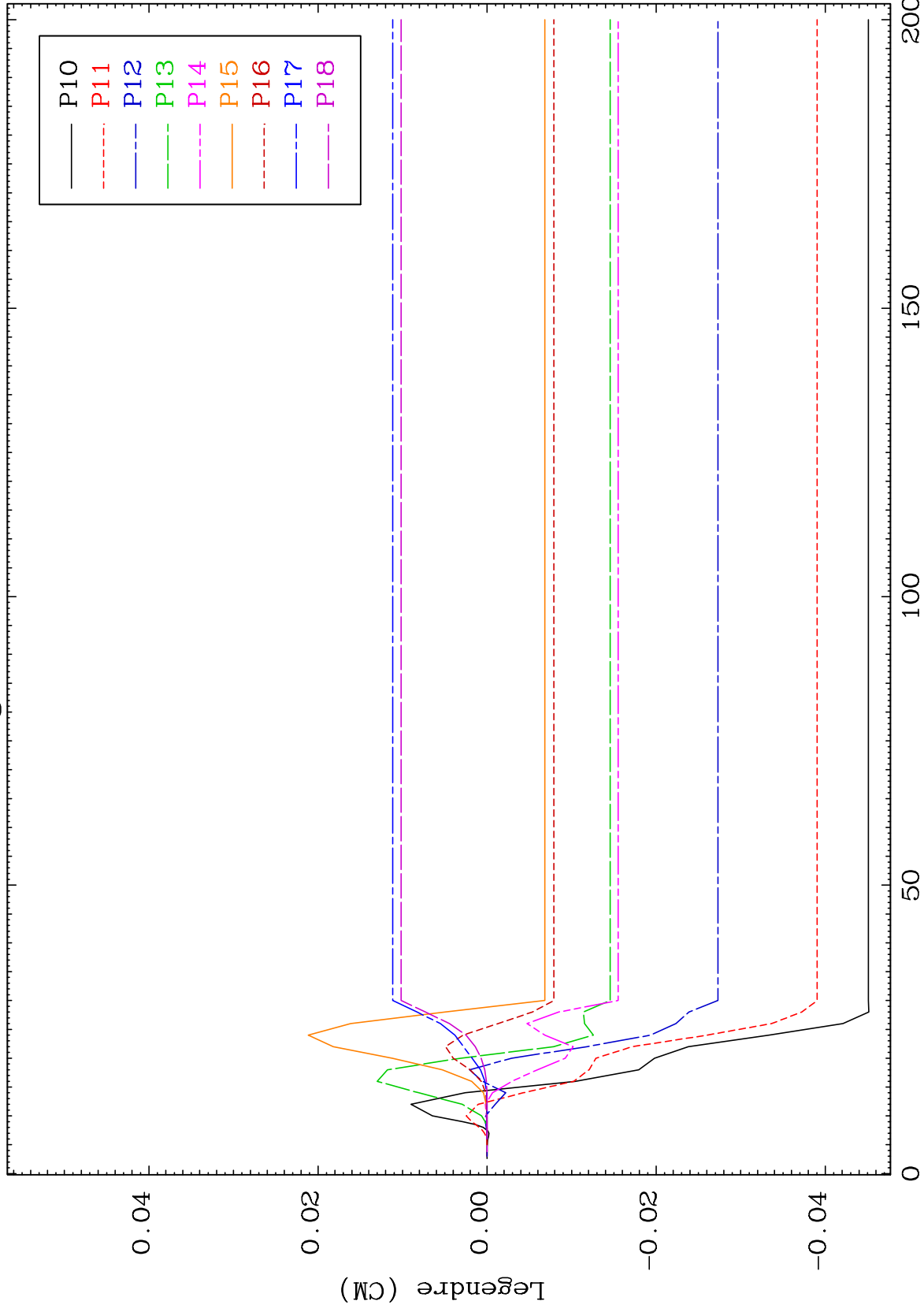
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



55

Incident Energy (MeV)

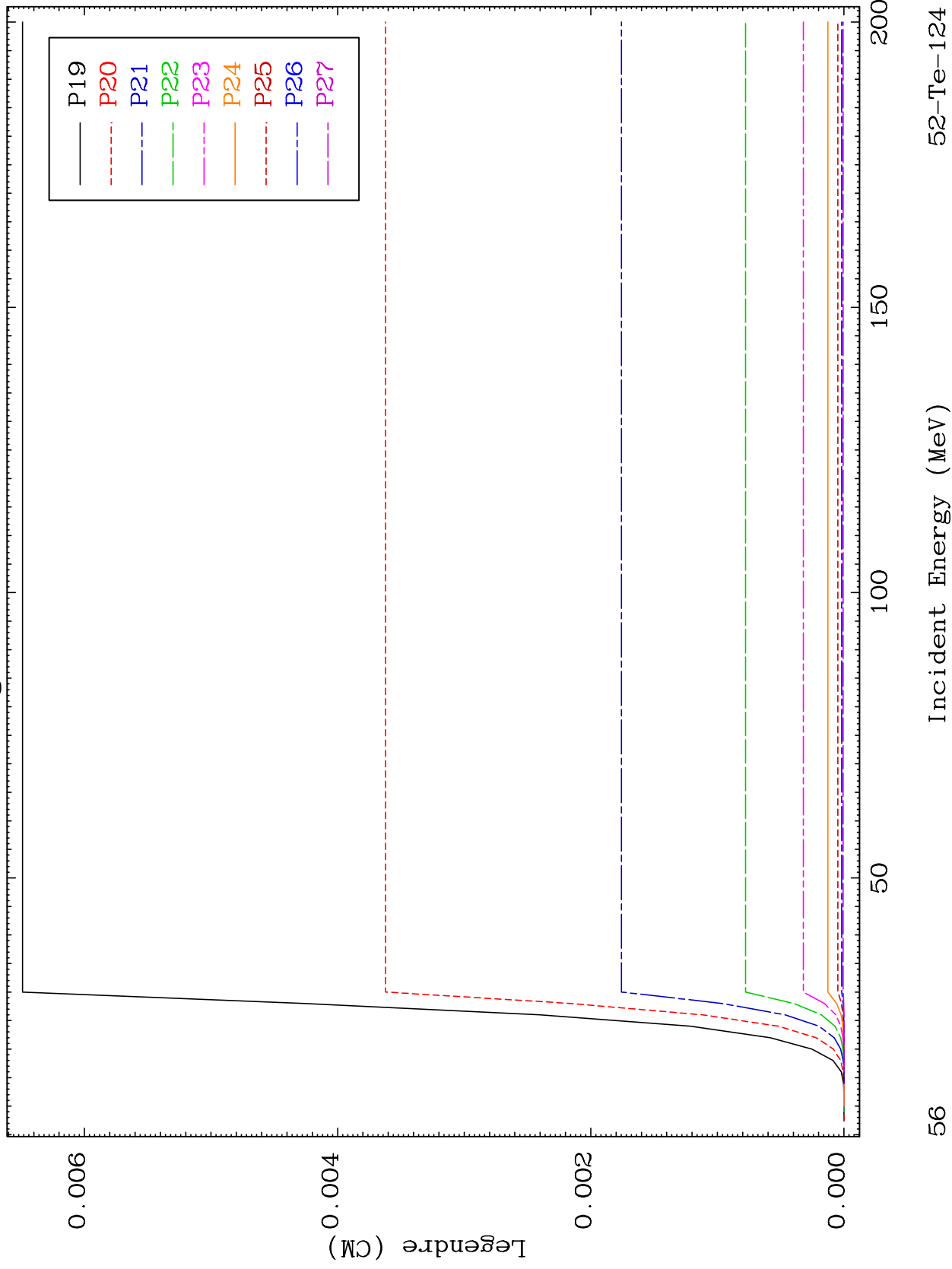
52-Te-124



MAT 5237

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

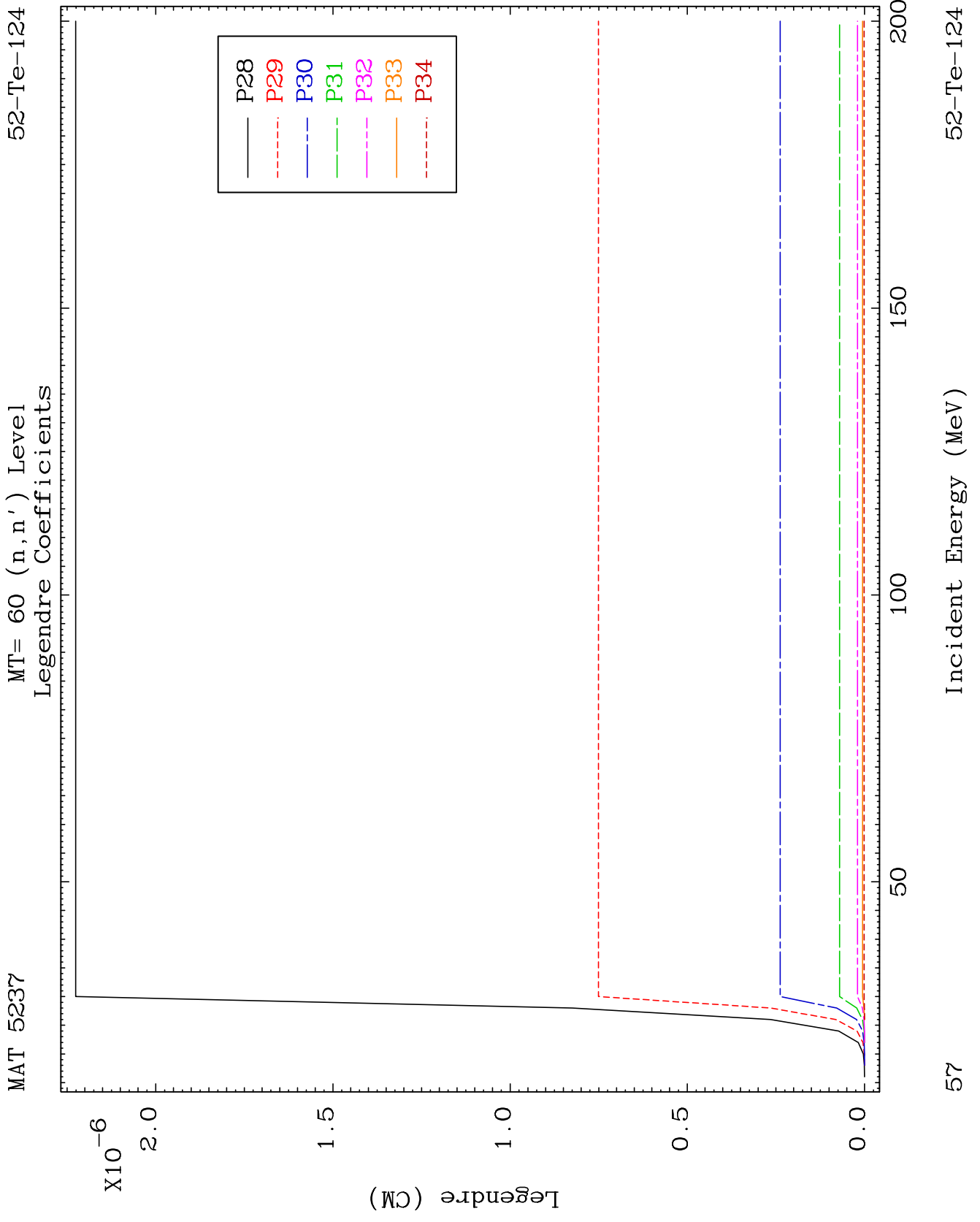
52-Te-124

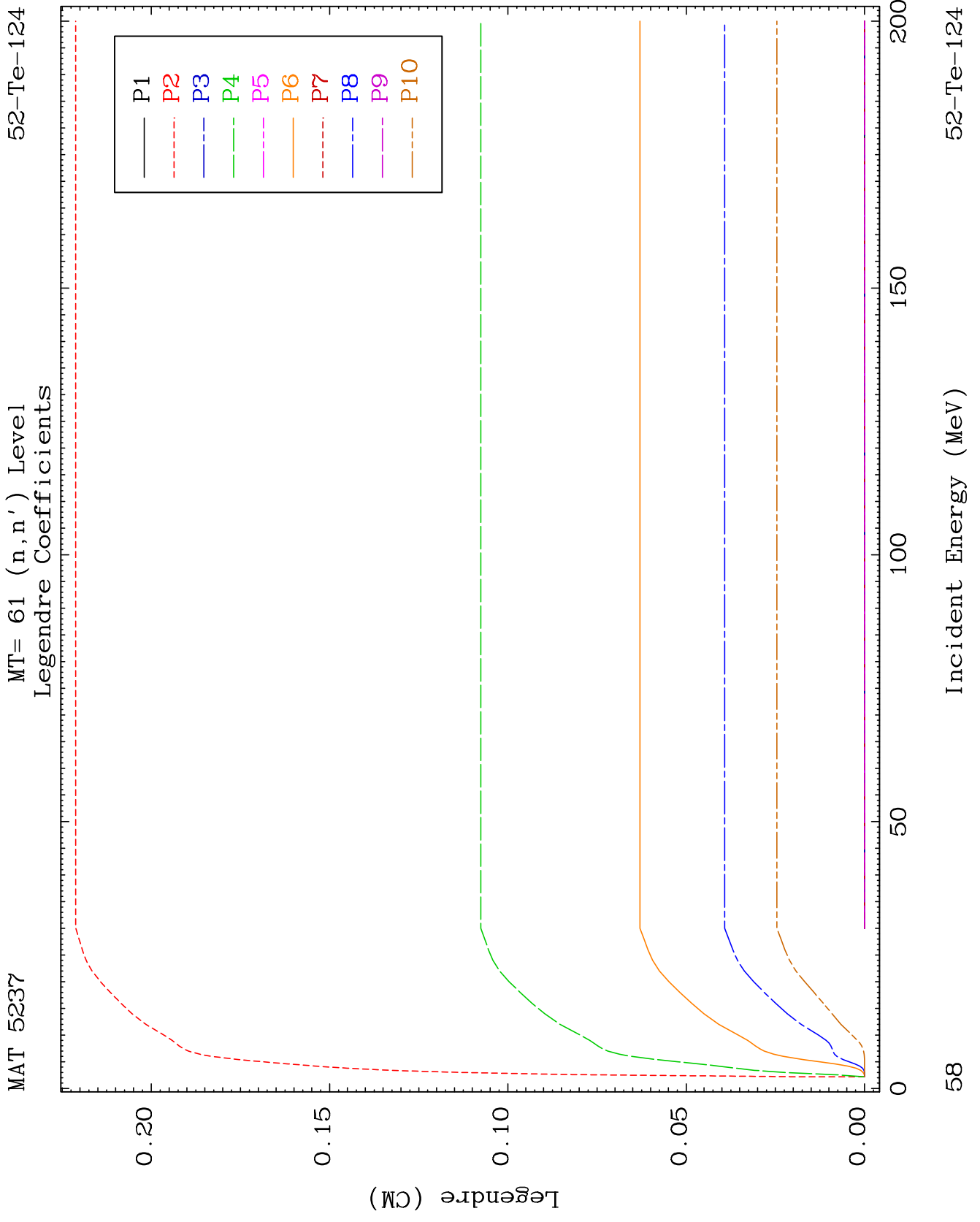


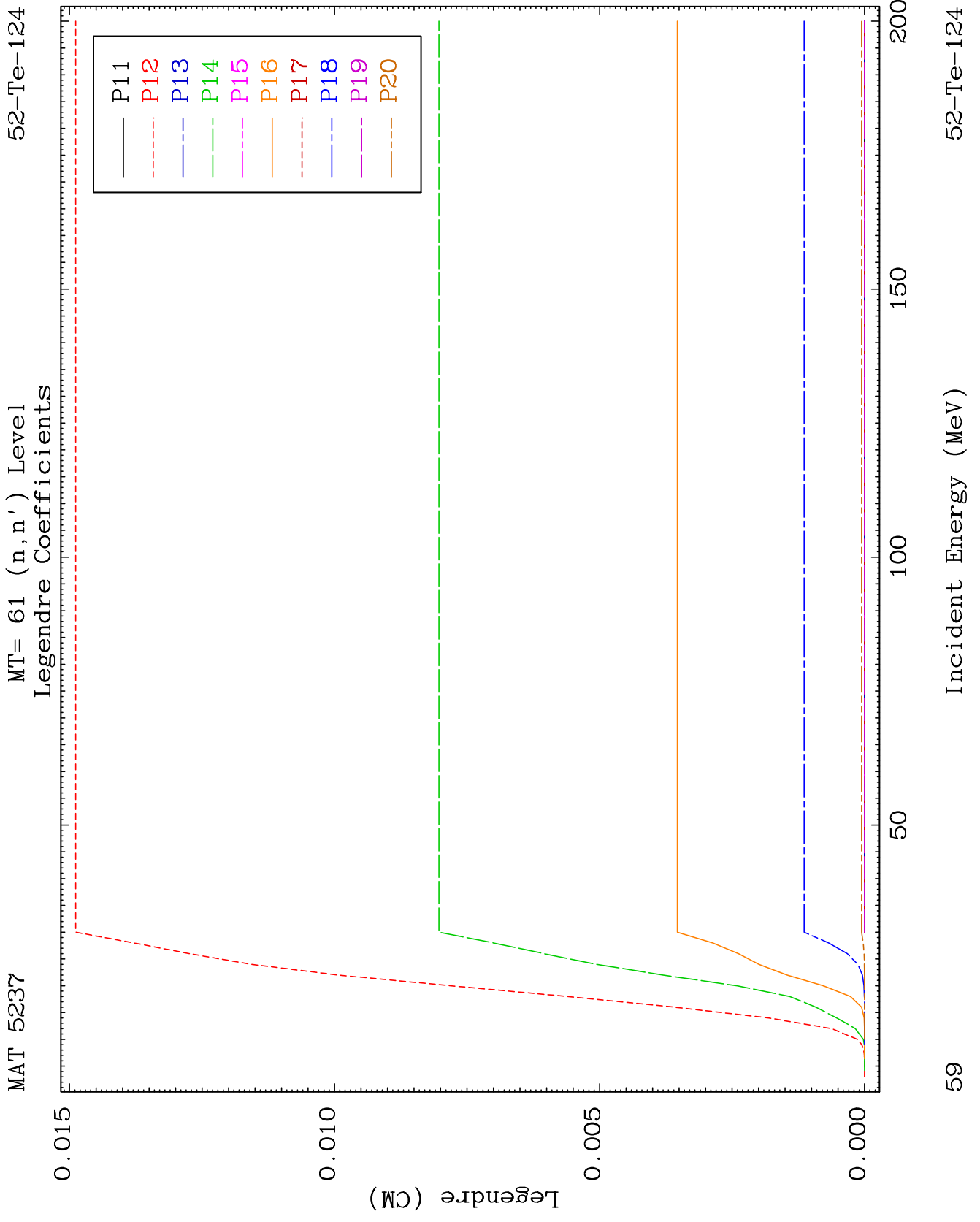
56

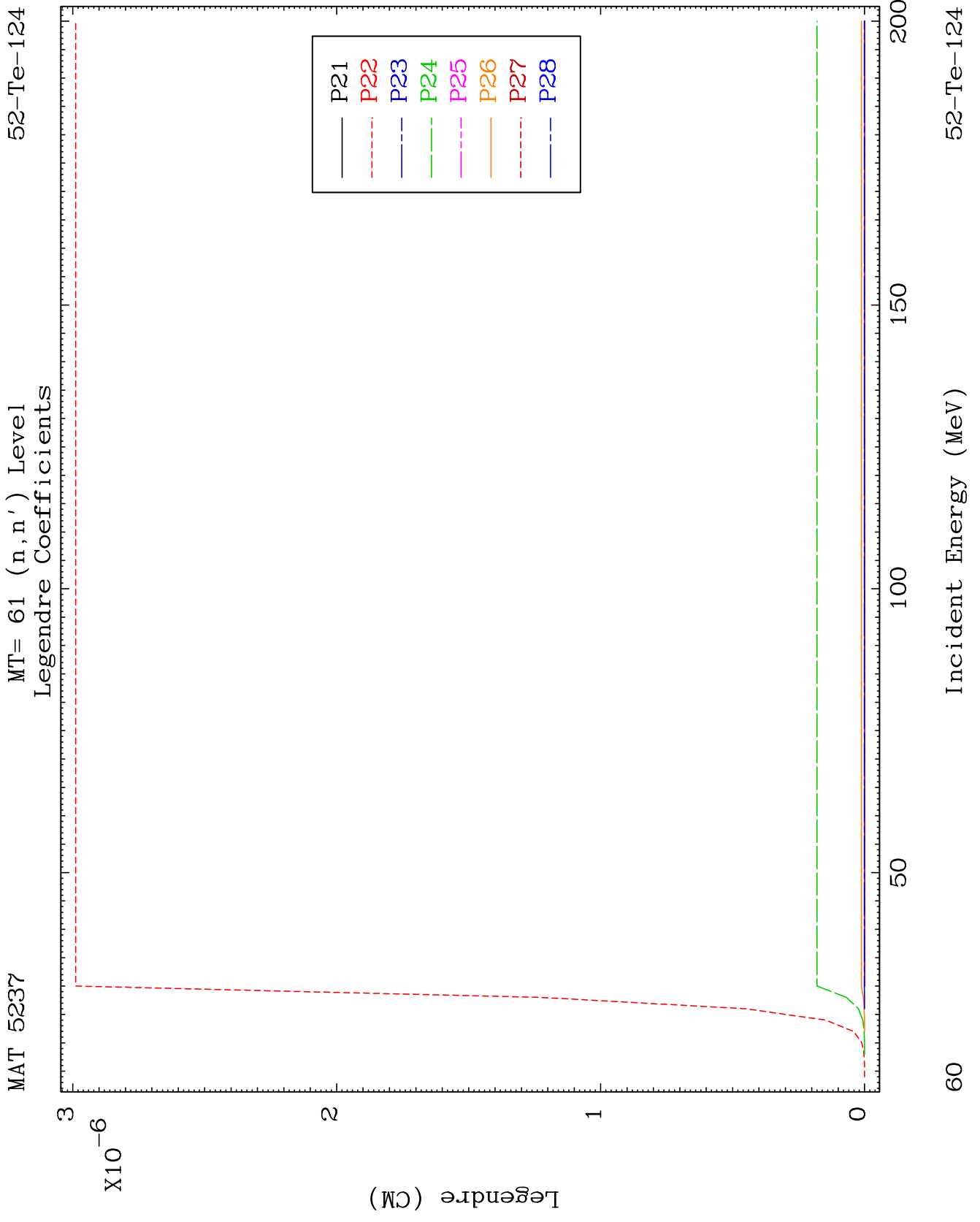
Incident Energy (MeV)

52-Te-124





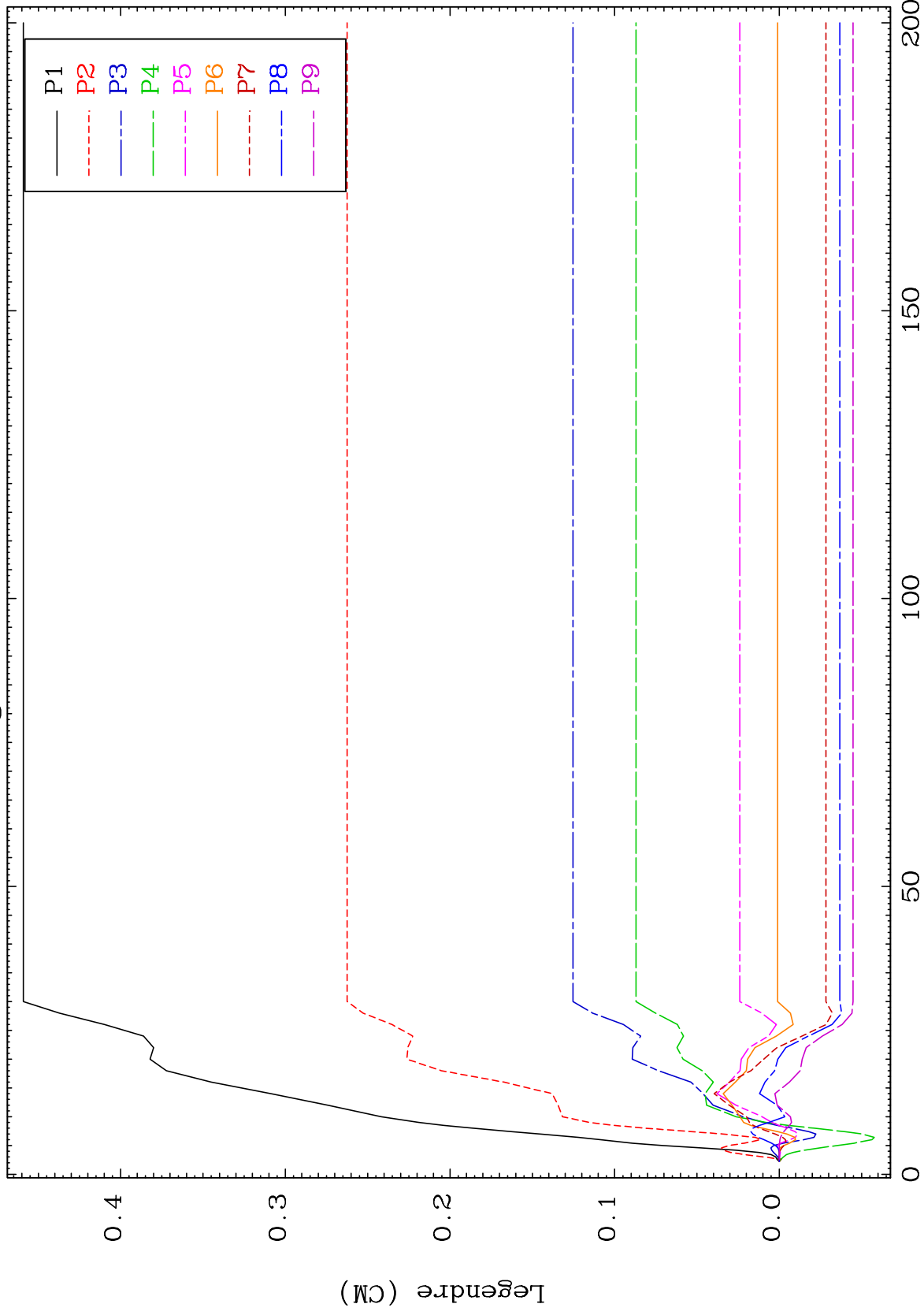




MAT 5237

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

52-Te-124



61

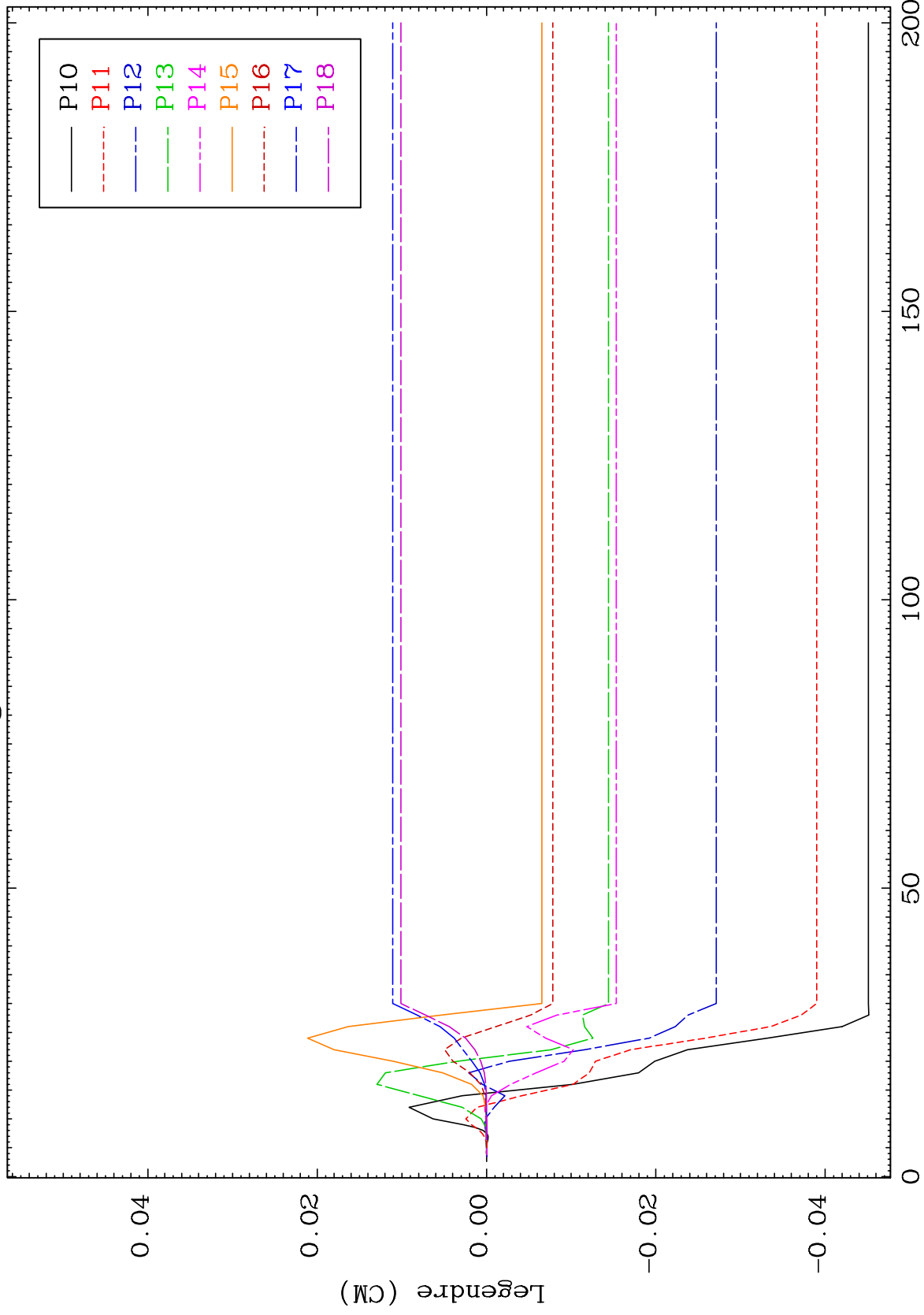
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



62

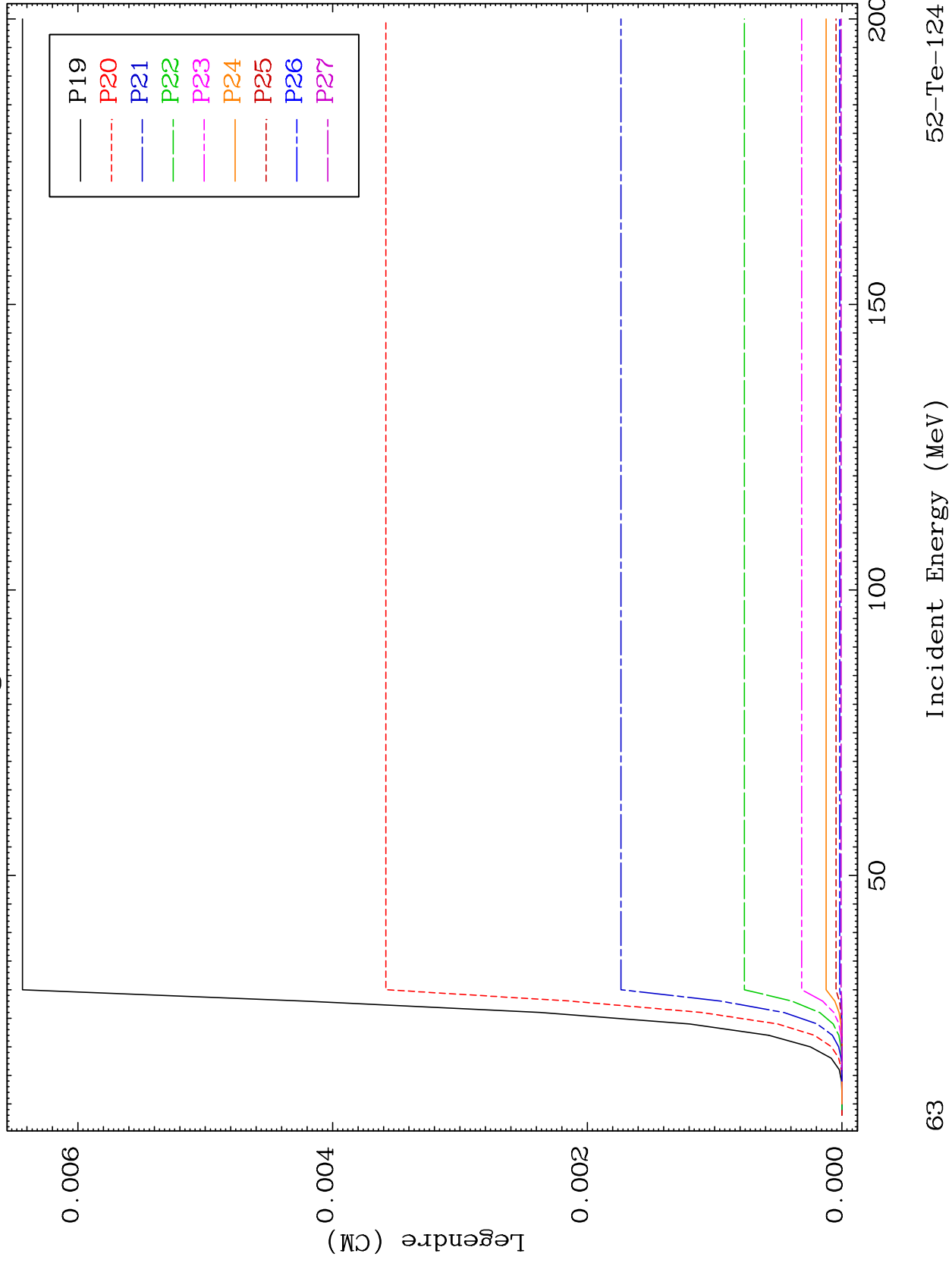
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



63

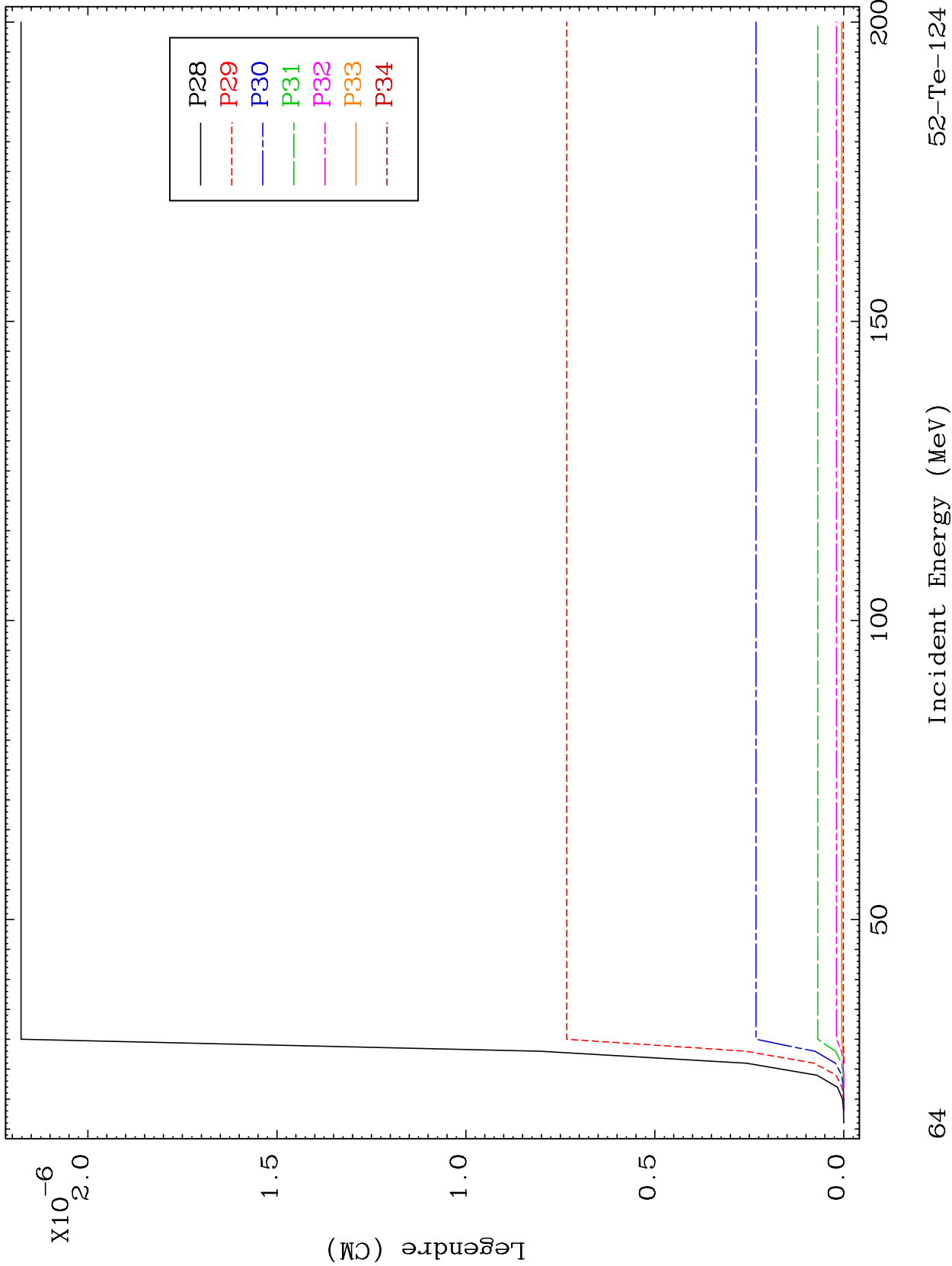
52-Te-124



MAT 5237

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

52-Te-124

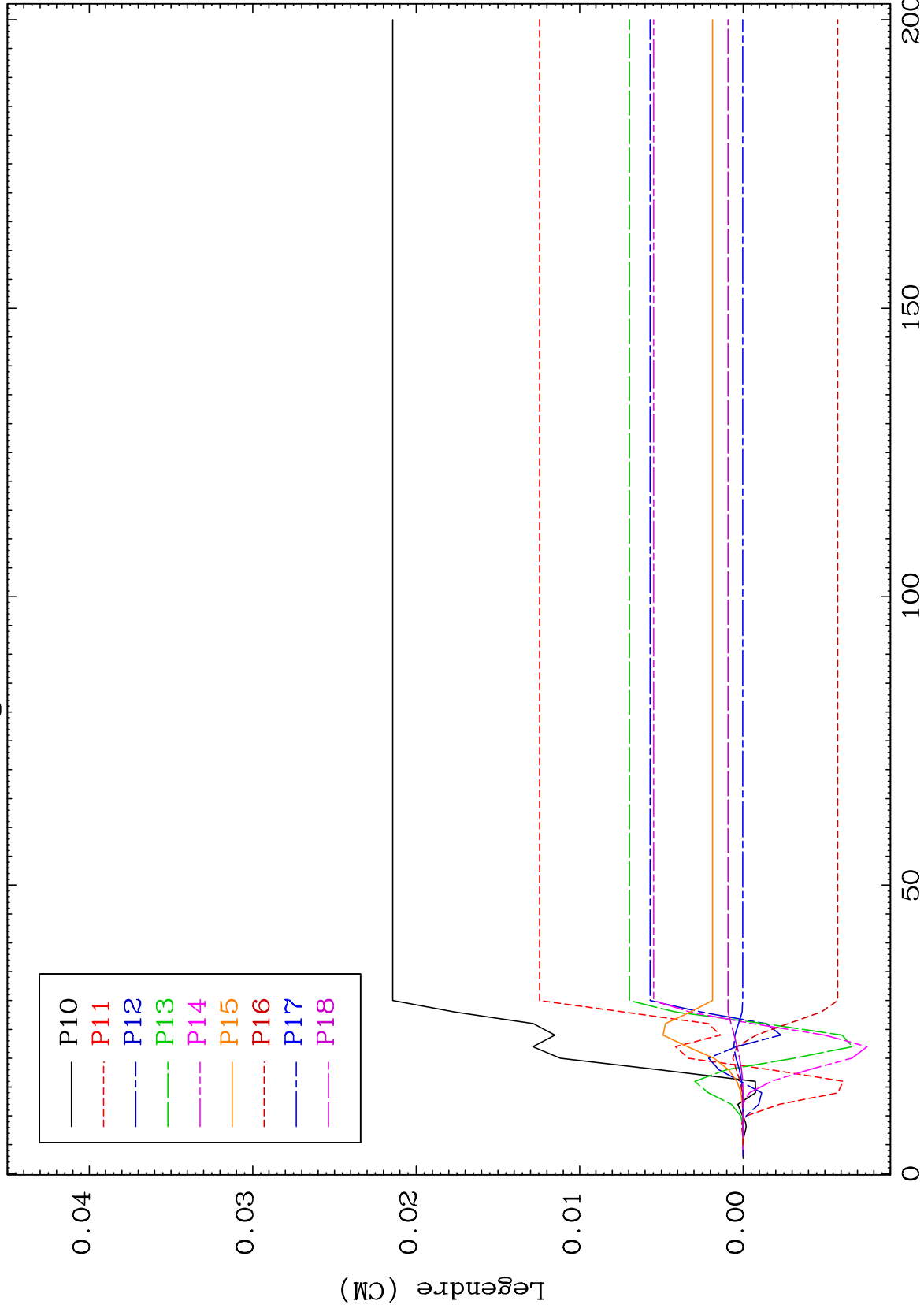




MAT 5237

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

52-Te-124



66

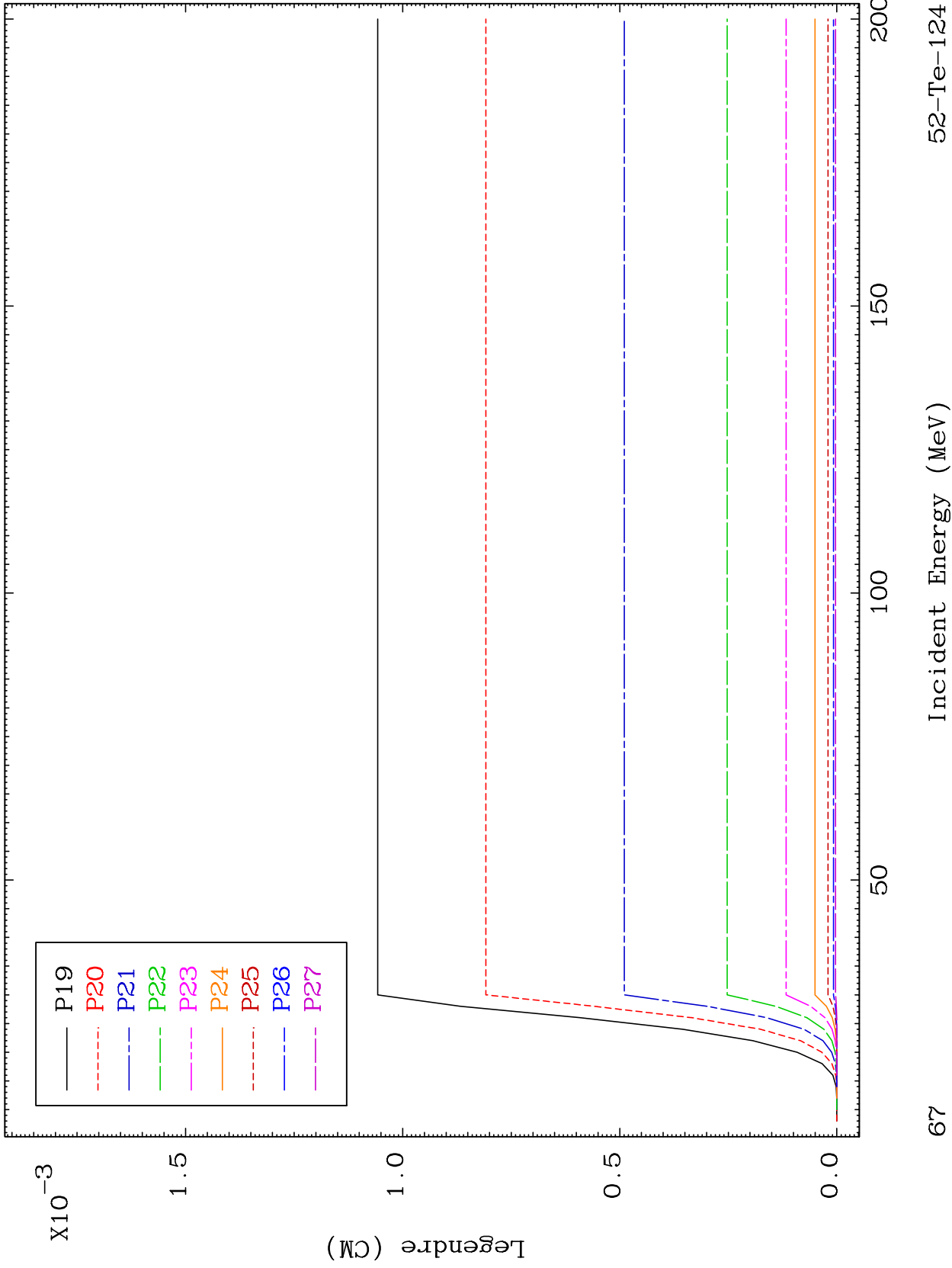
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



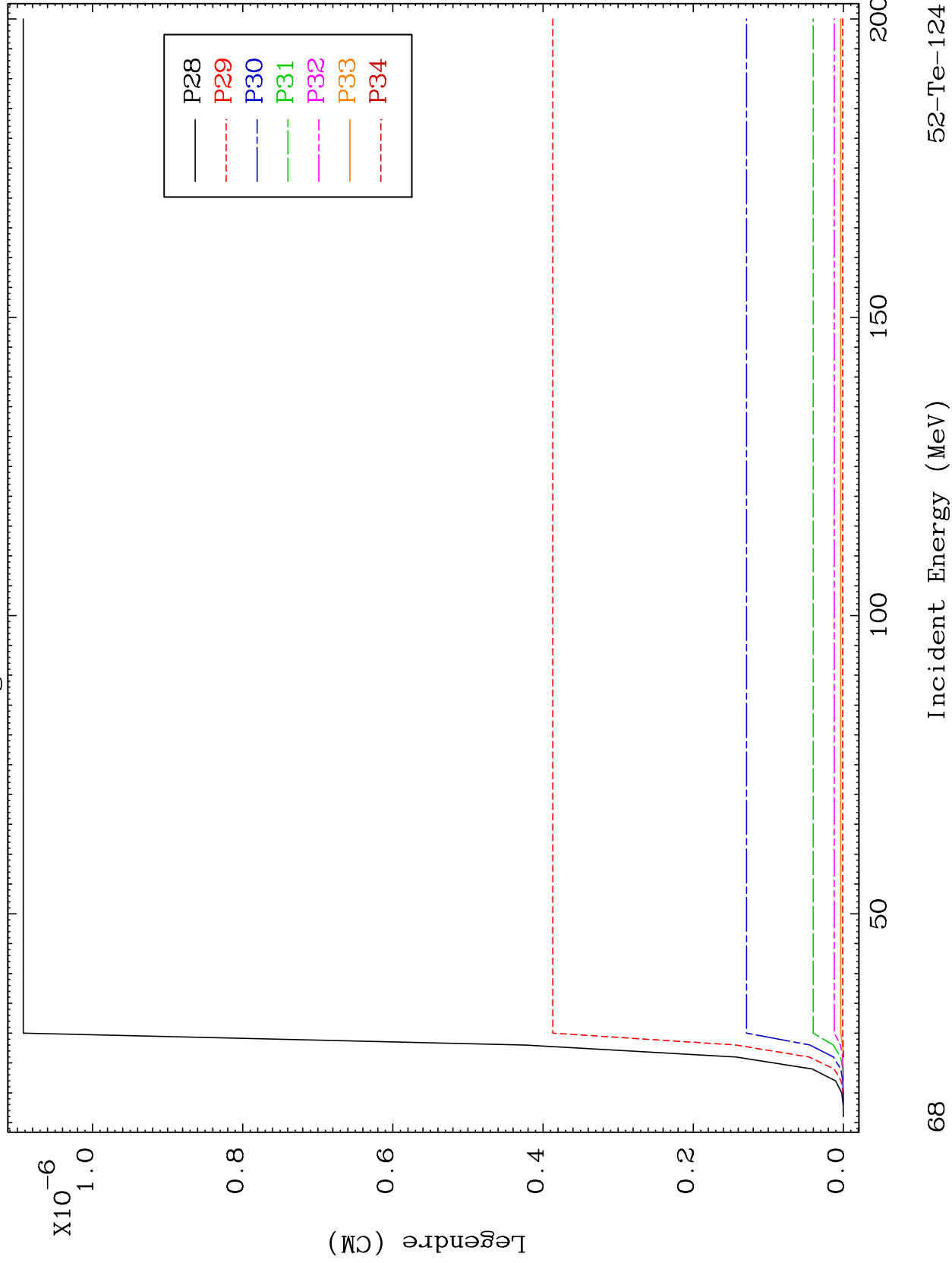
67

52-Te-124

MAT 5237

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

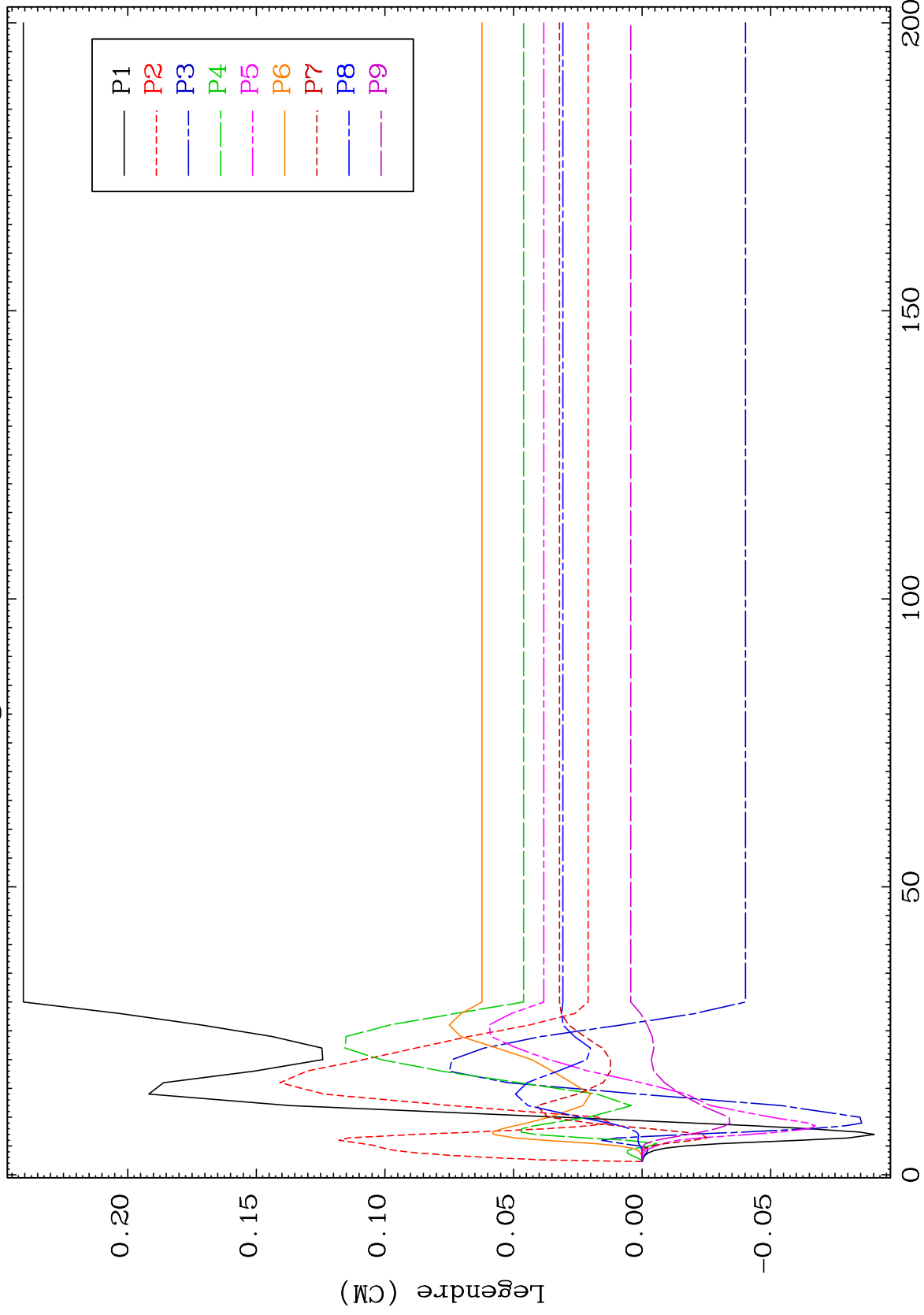
52-Te-124



MAT 5237

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

52-Te-124



69

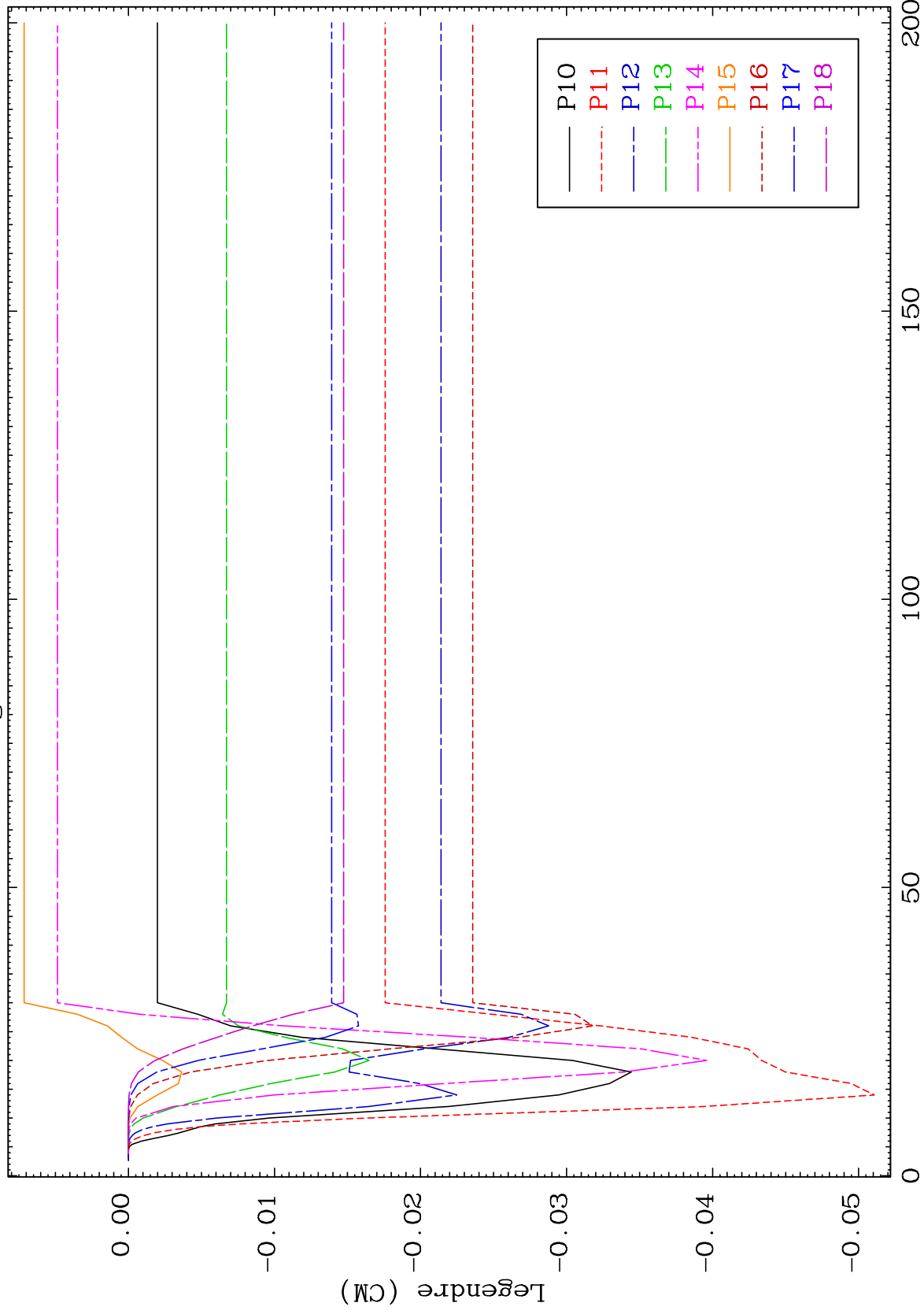
Incident Energy (MeV)

52-Te-124

MAT 5237

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

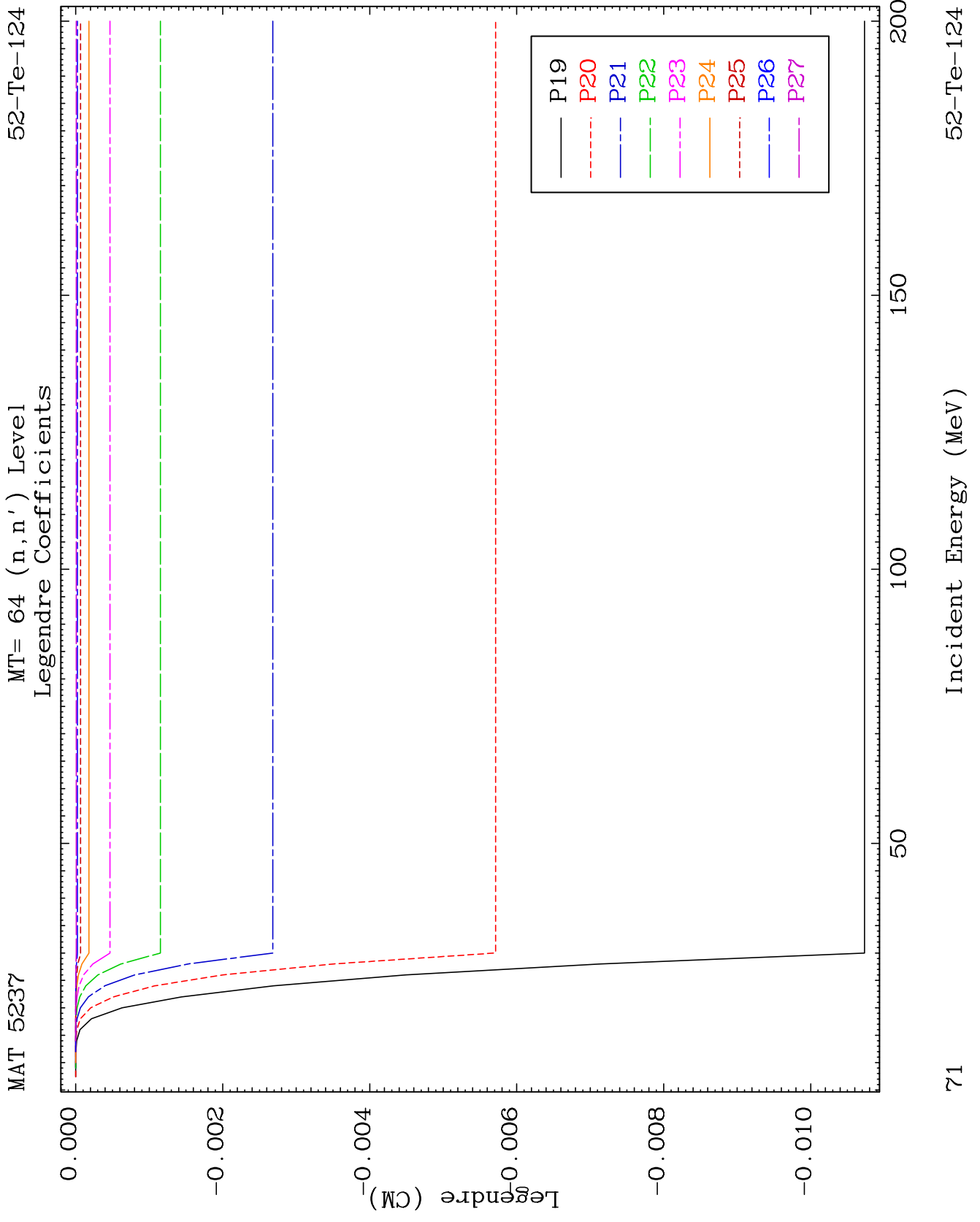
52-Te-124



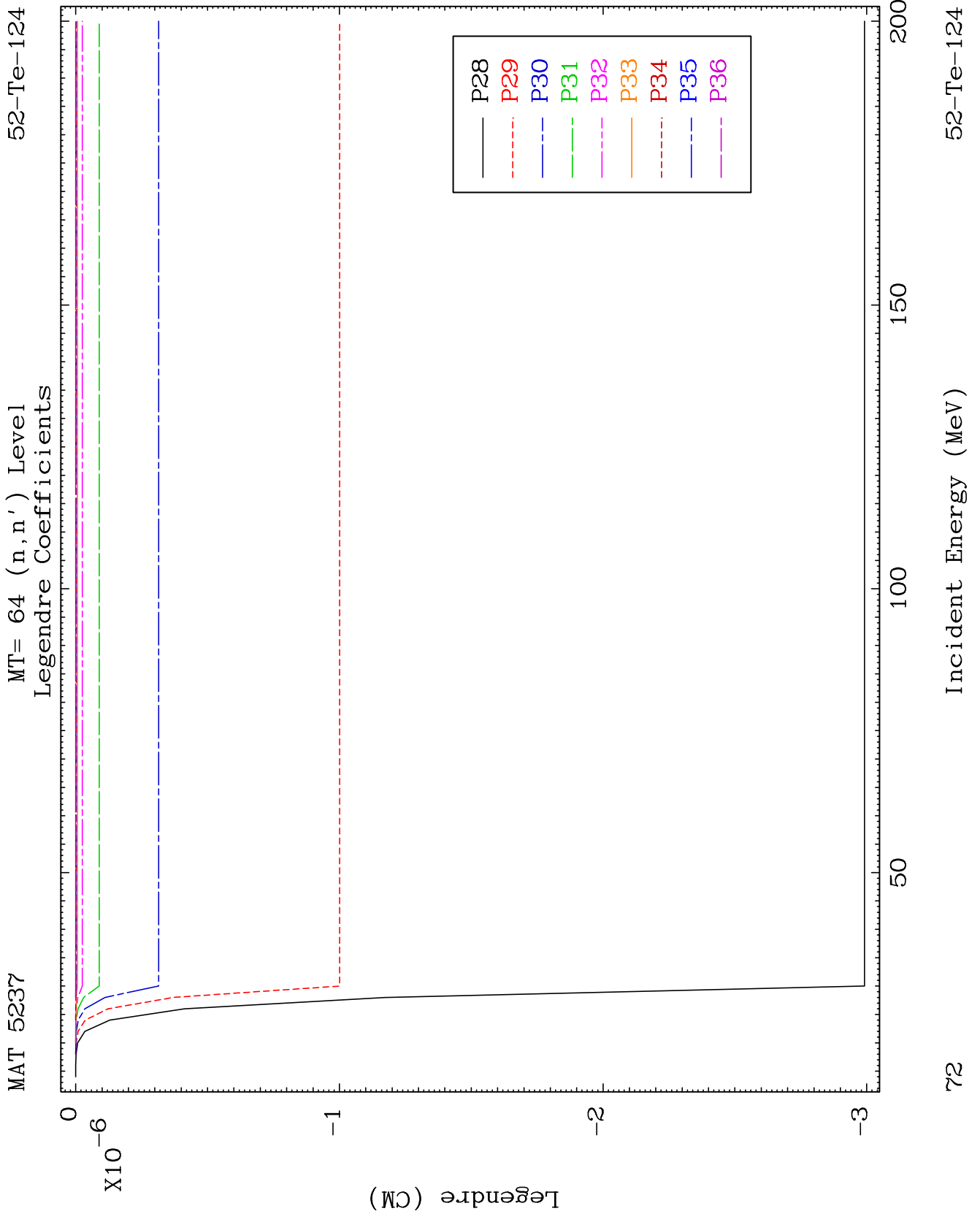
Incident Energy (MeV)

52-Te-124

70



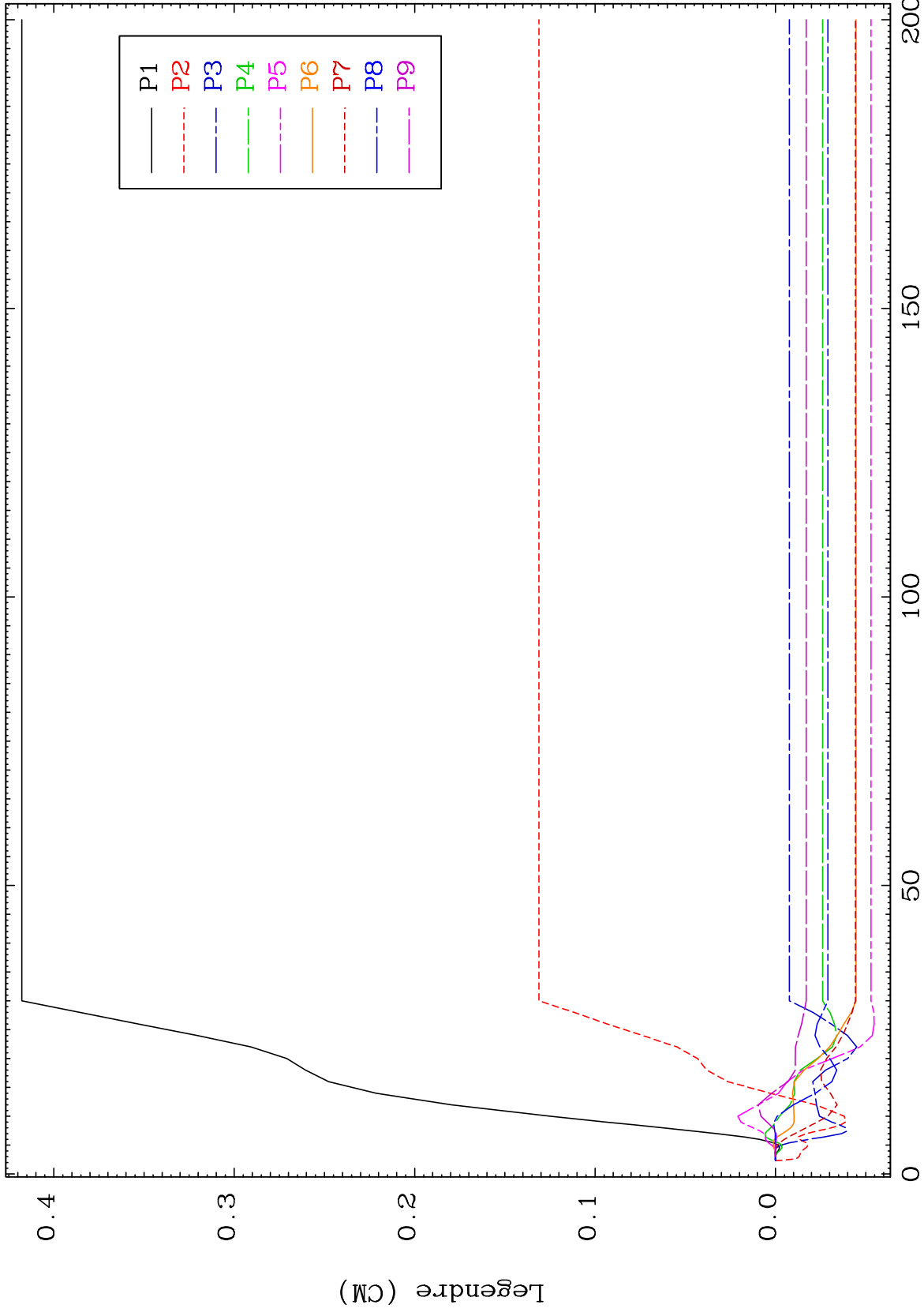




MAT 5237

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

52-Te-124



73

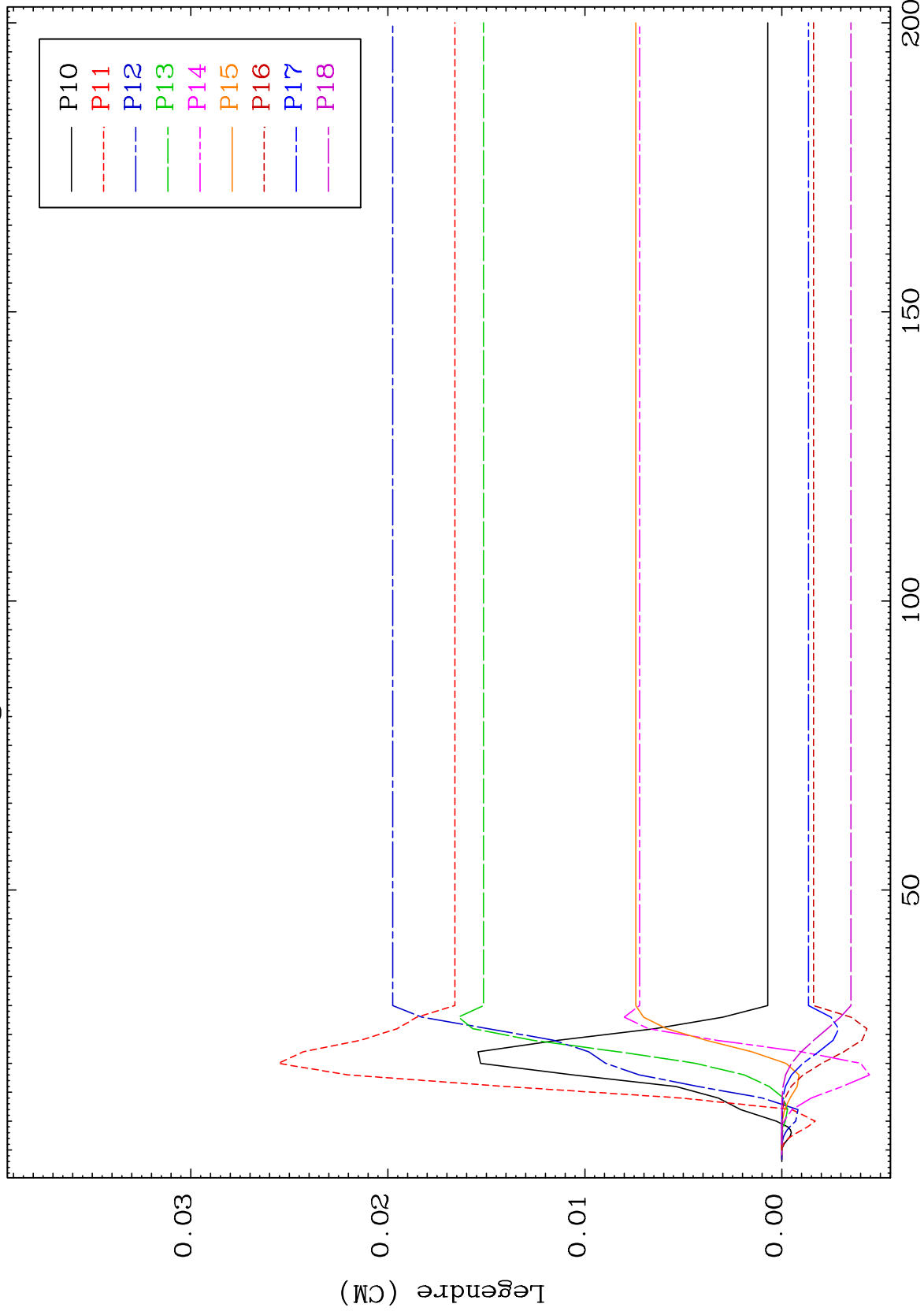
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



74

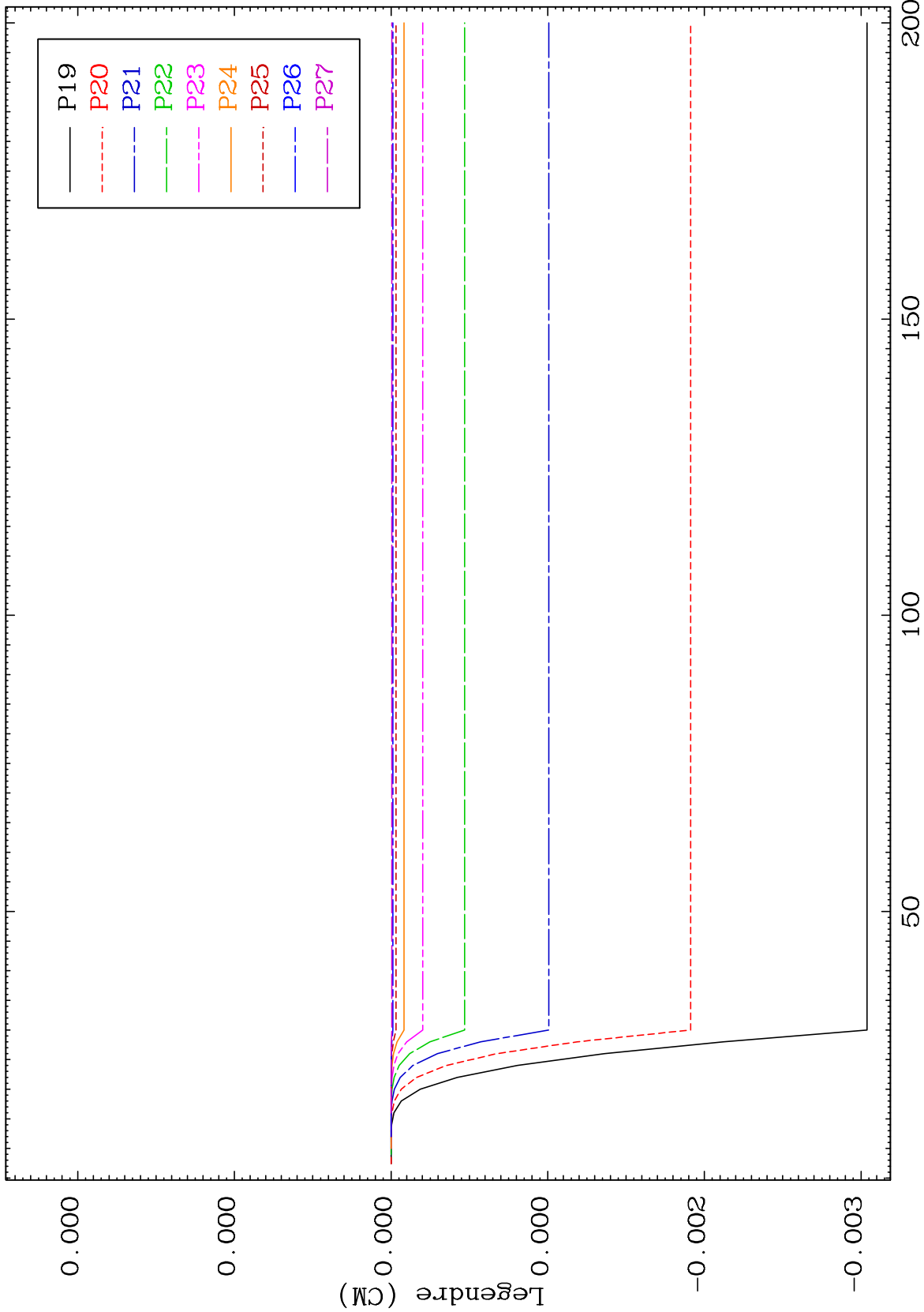
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



75

Incident Energy (MeV)

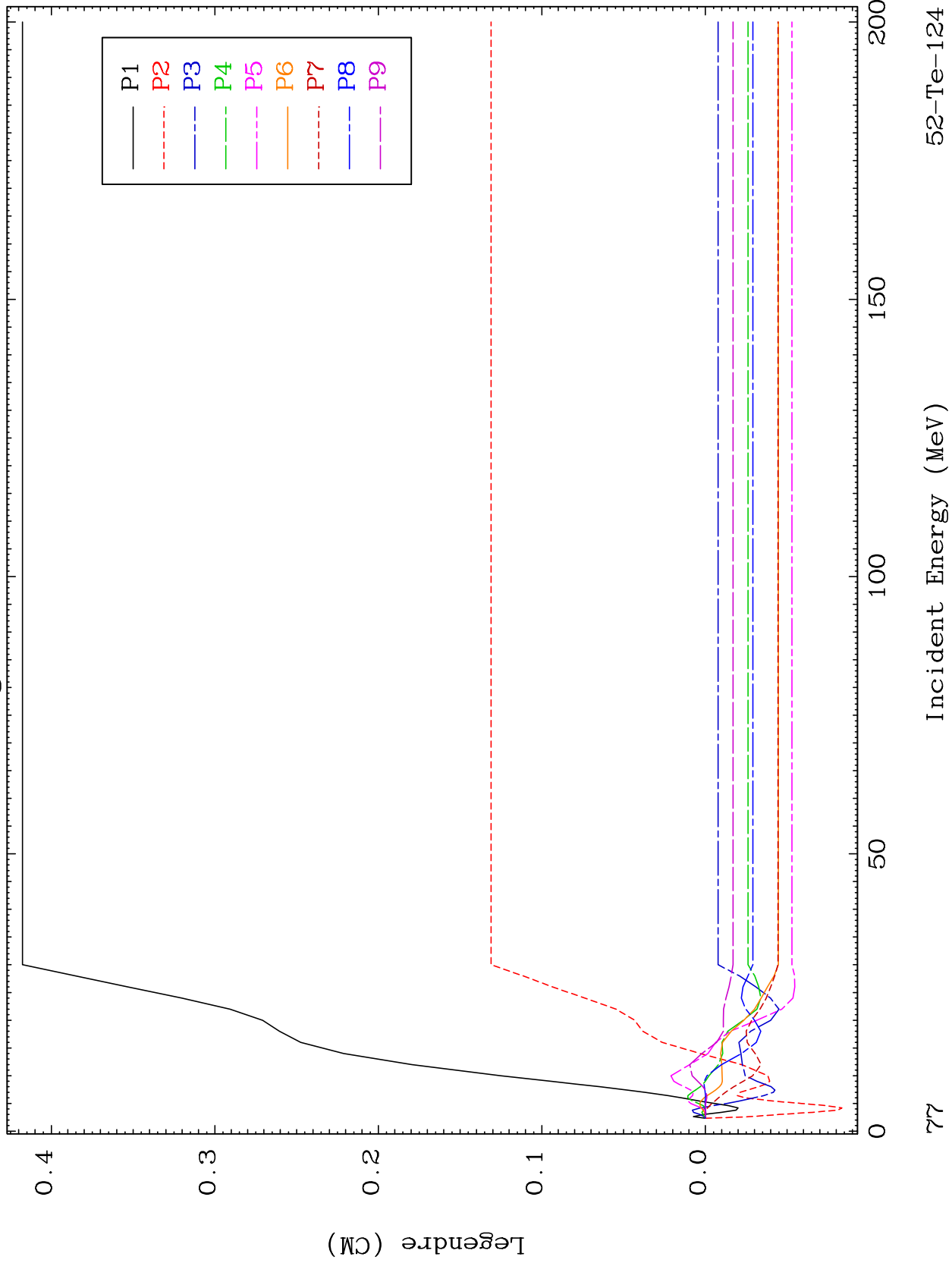
52-Te-124



MAT 5237

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

52-Te-124



77

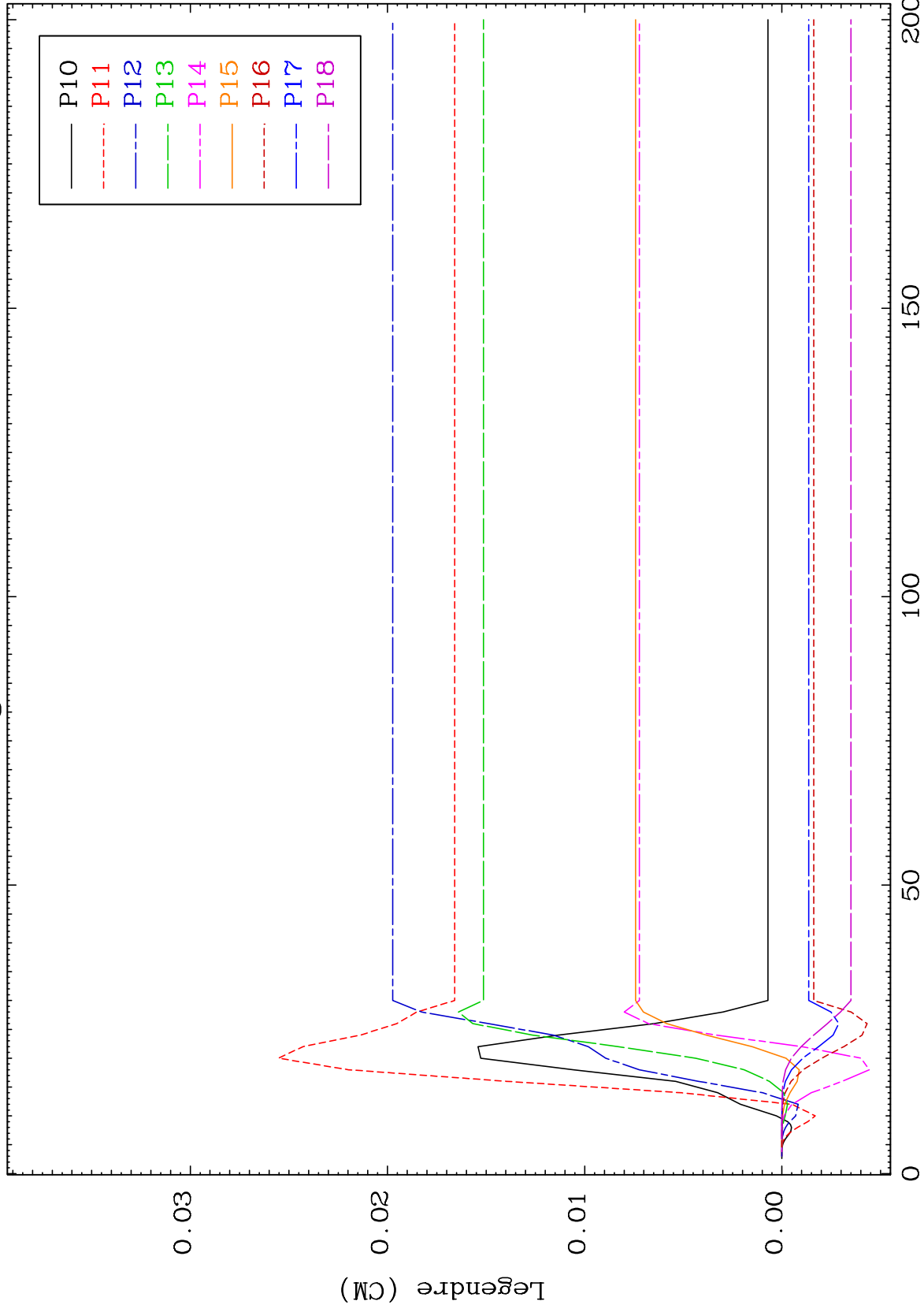
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



78

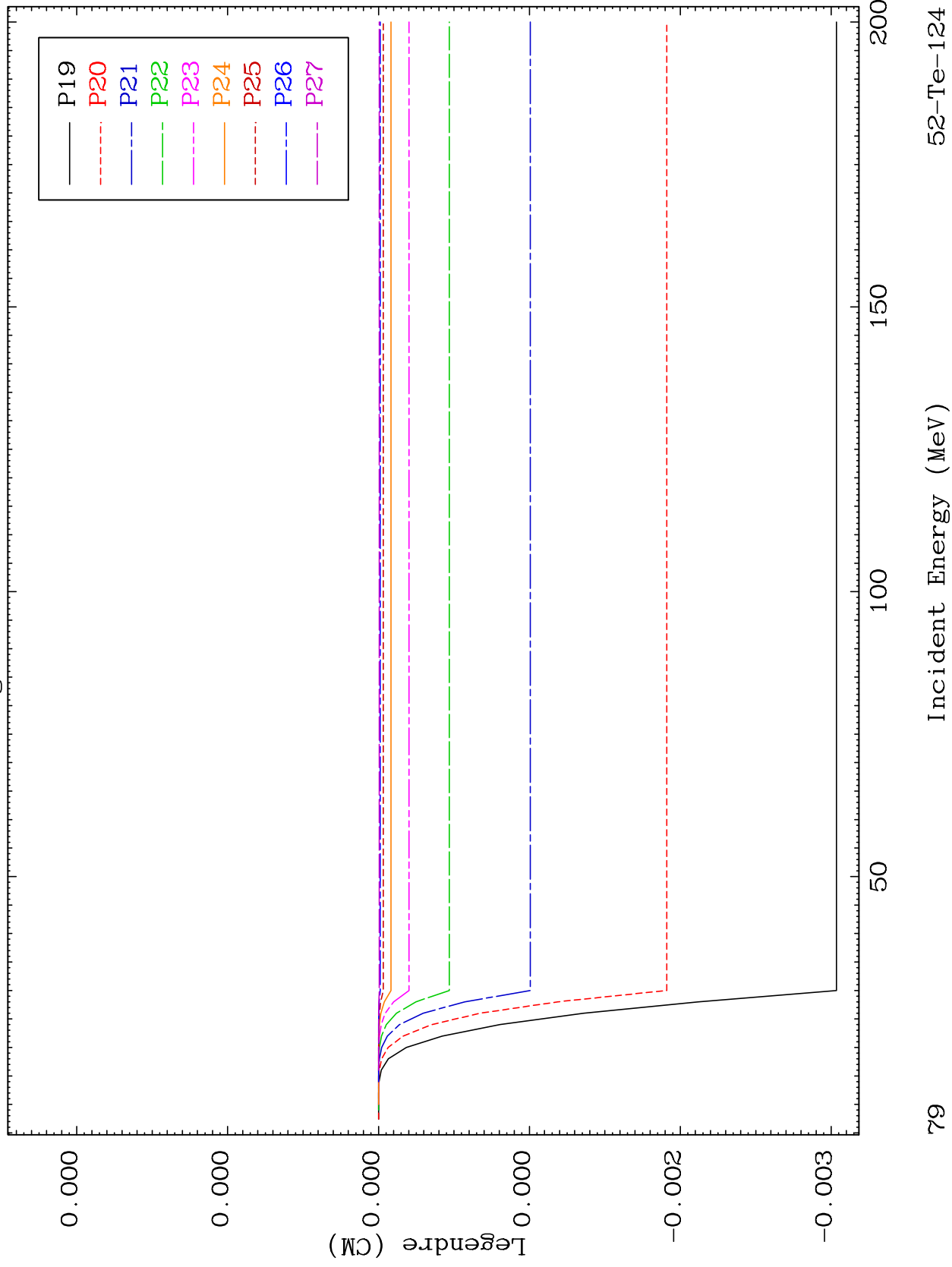
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124

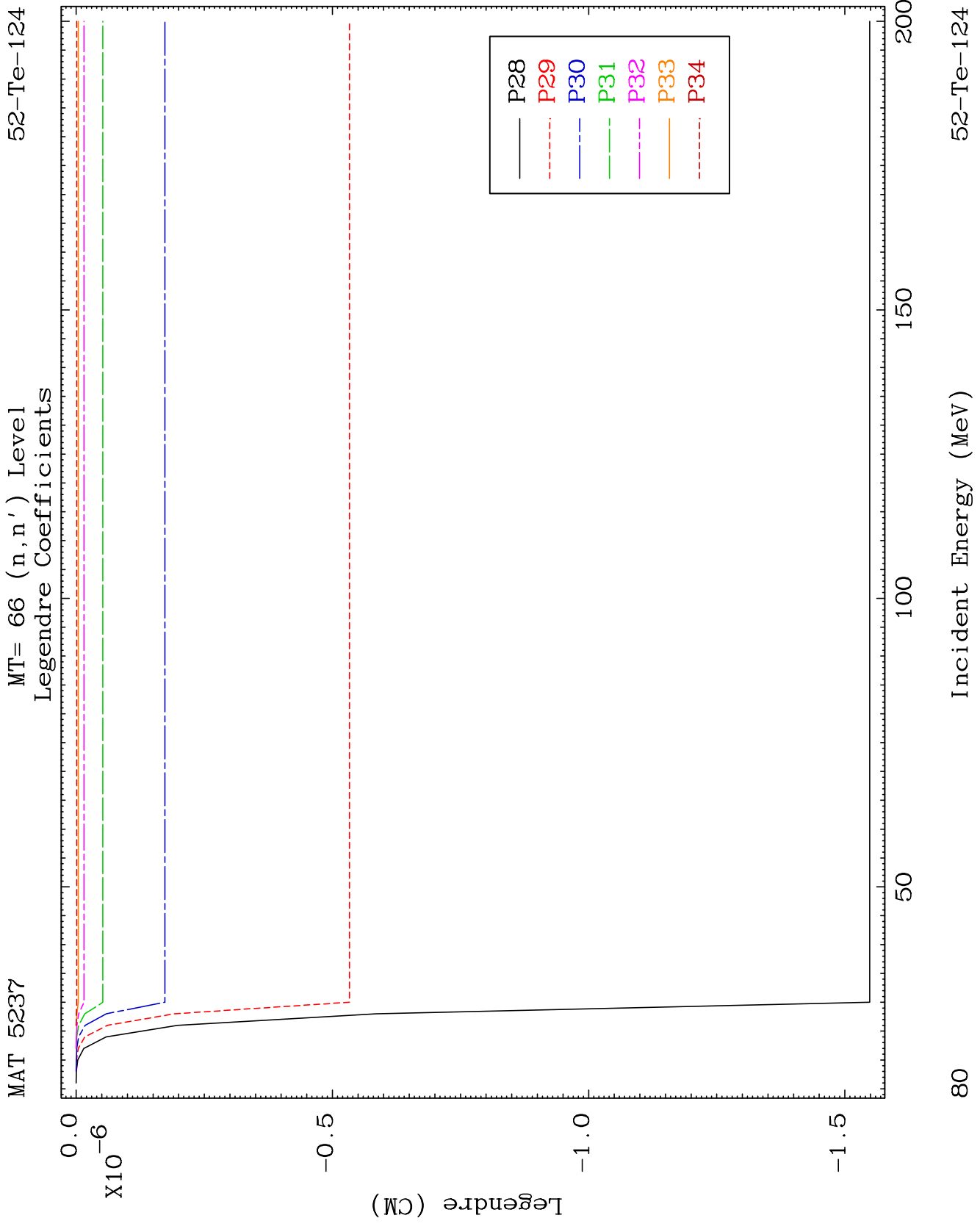


79

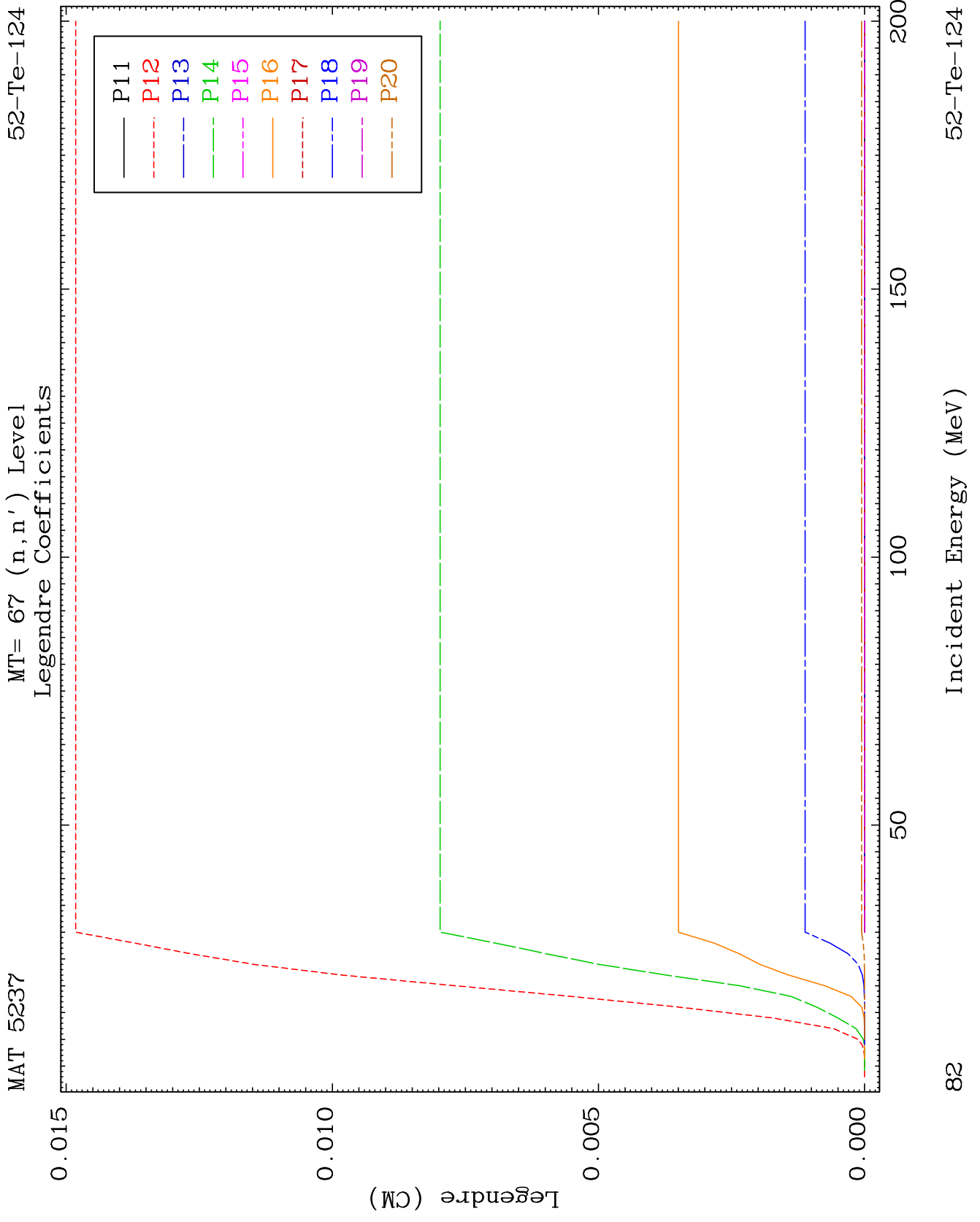
Incident Energy (MeV)

52-Te-124









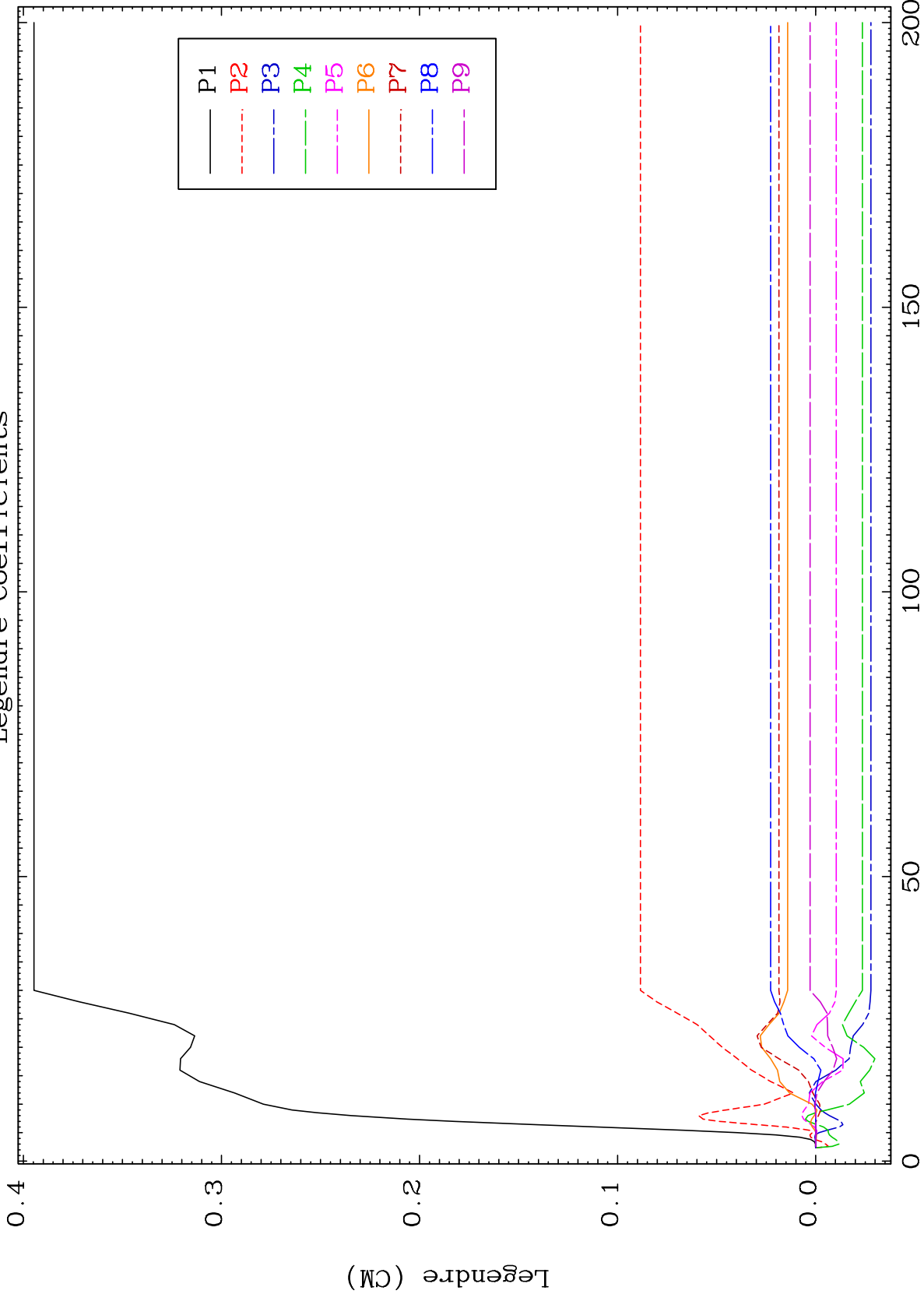


MAT 5237

MT= 68 (n,n') Level

52-Te-124

Legendre Coefficients



84

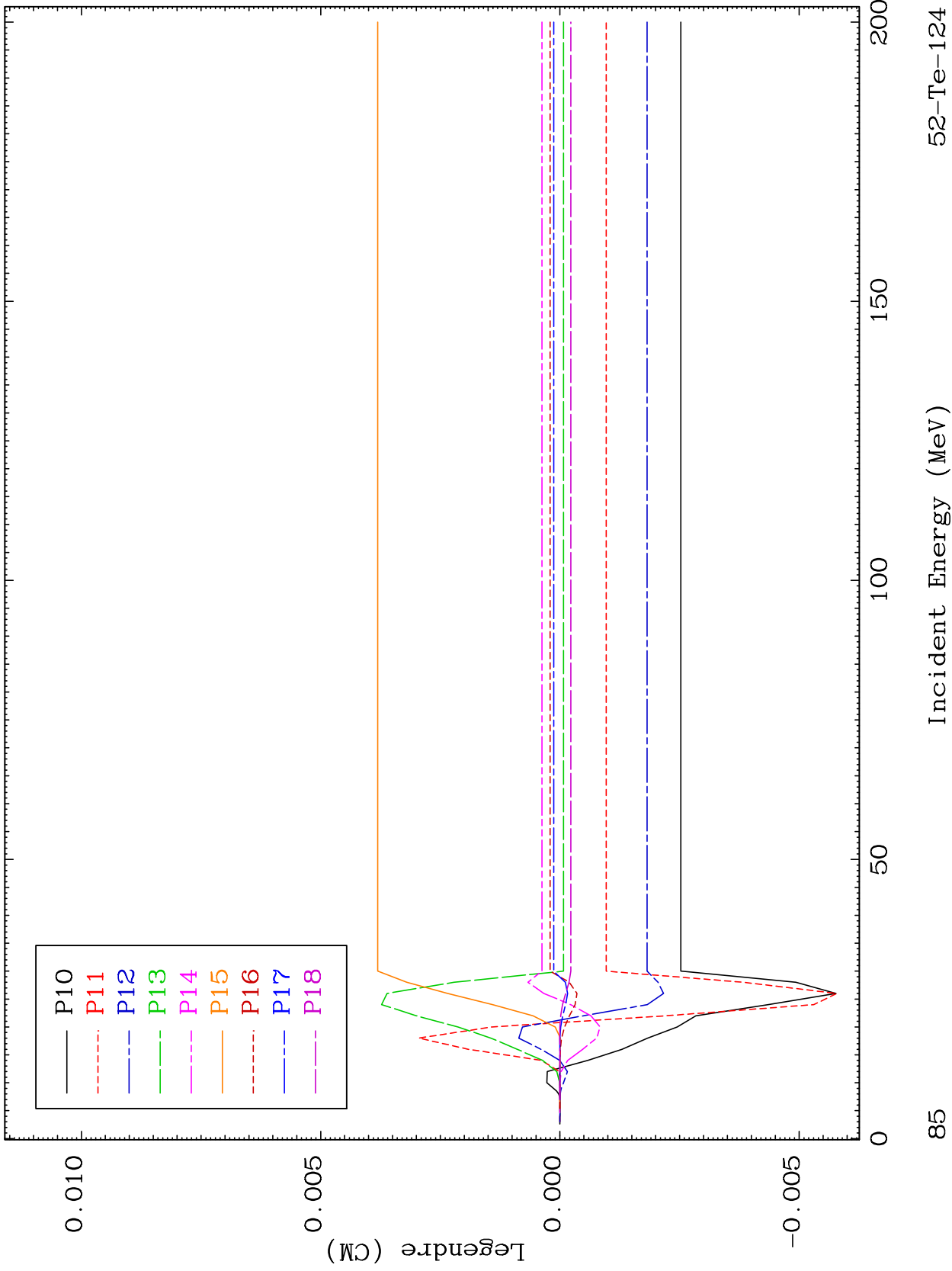
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124

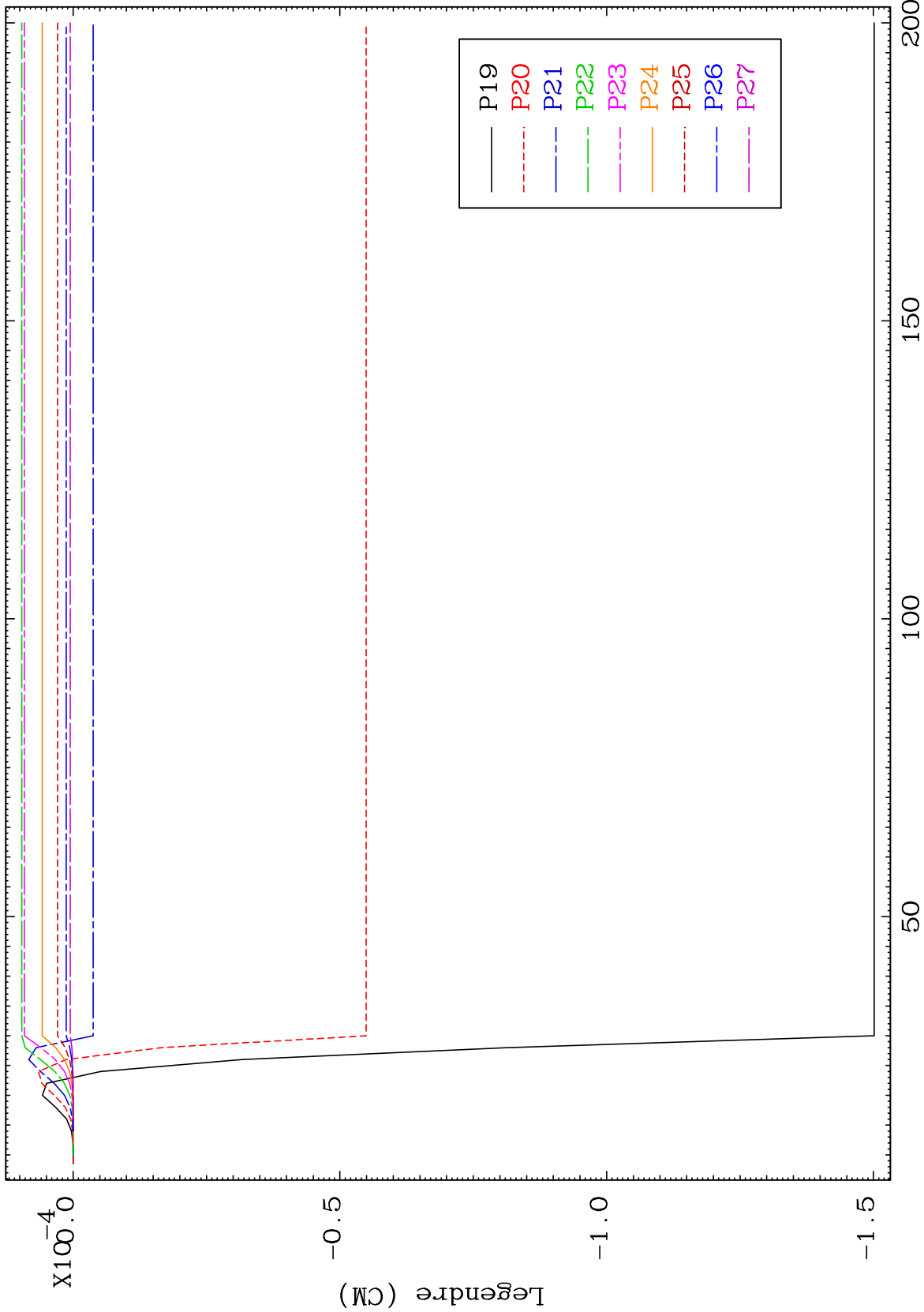


MAT 5237

MT= 68 (n,n') Level

52-Te-124

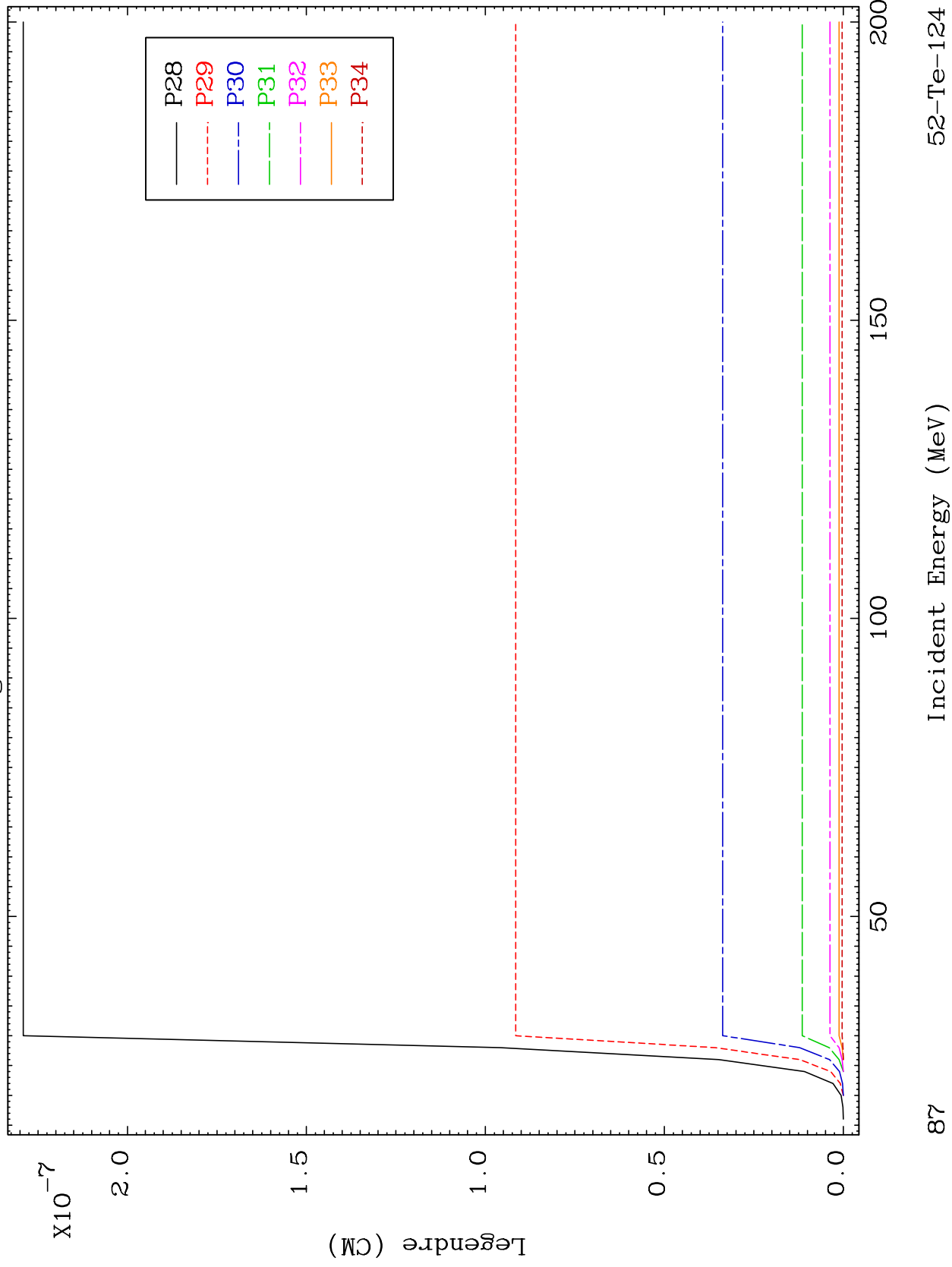
Legendre Coefficients



MAT 5237

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

52-Te-124

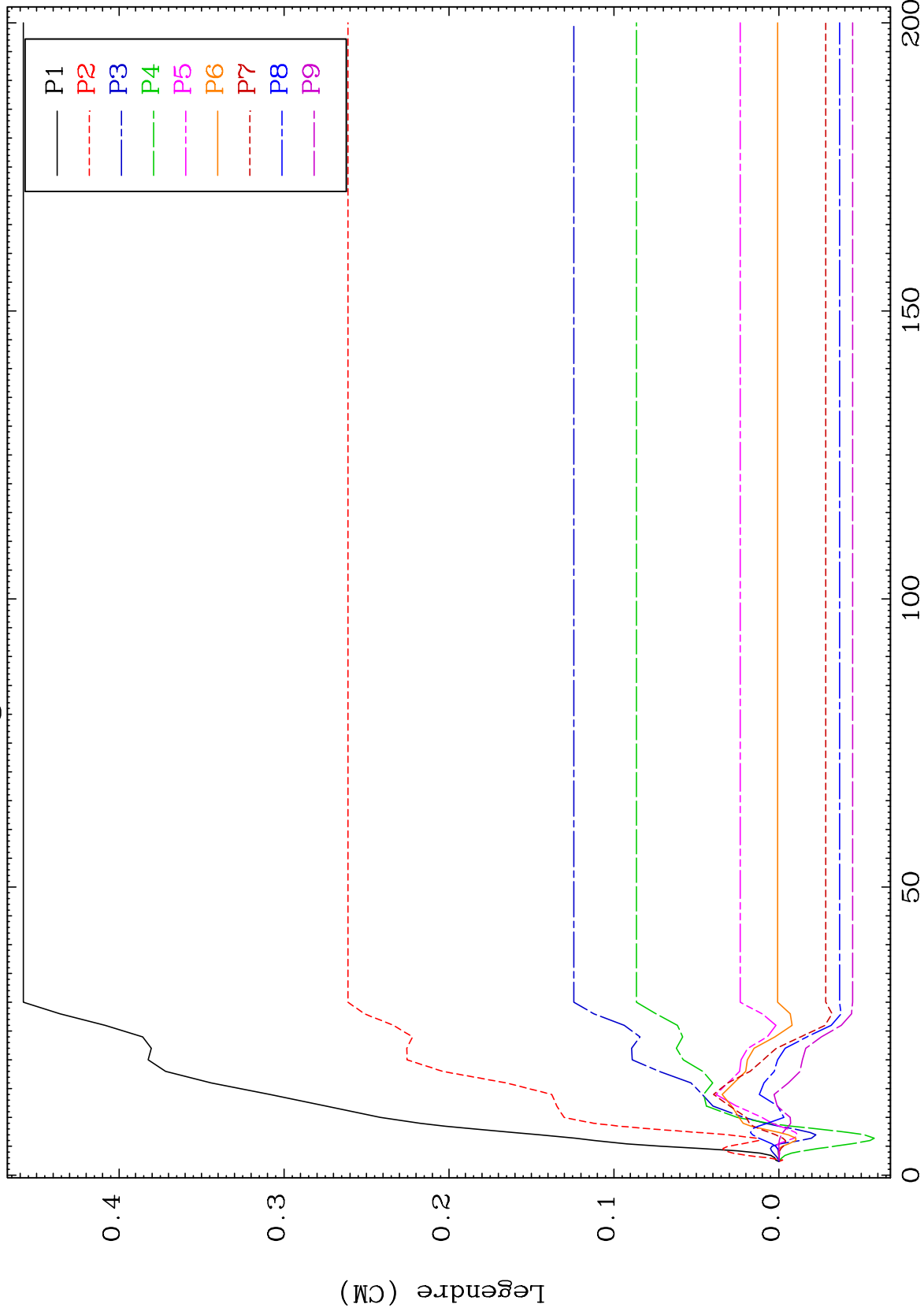




MAT 5237

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

52-Te-124



88

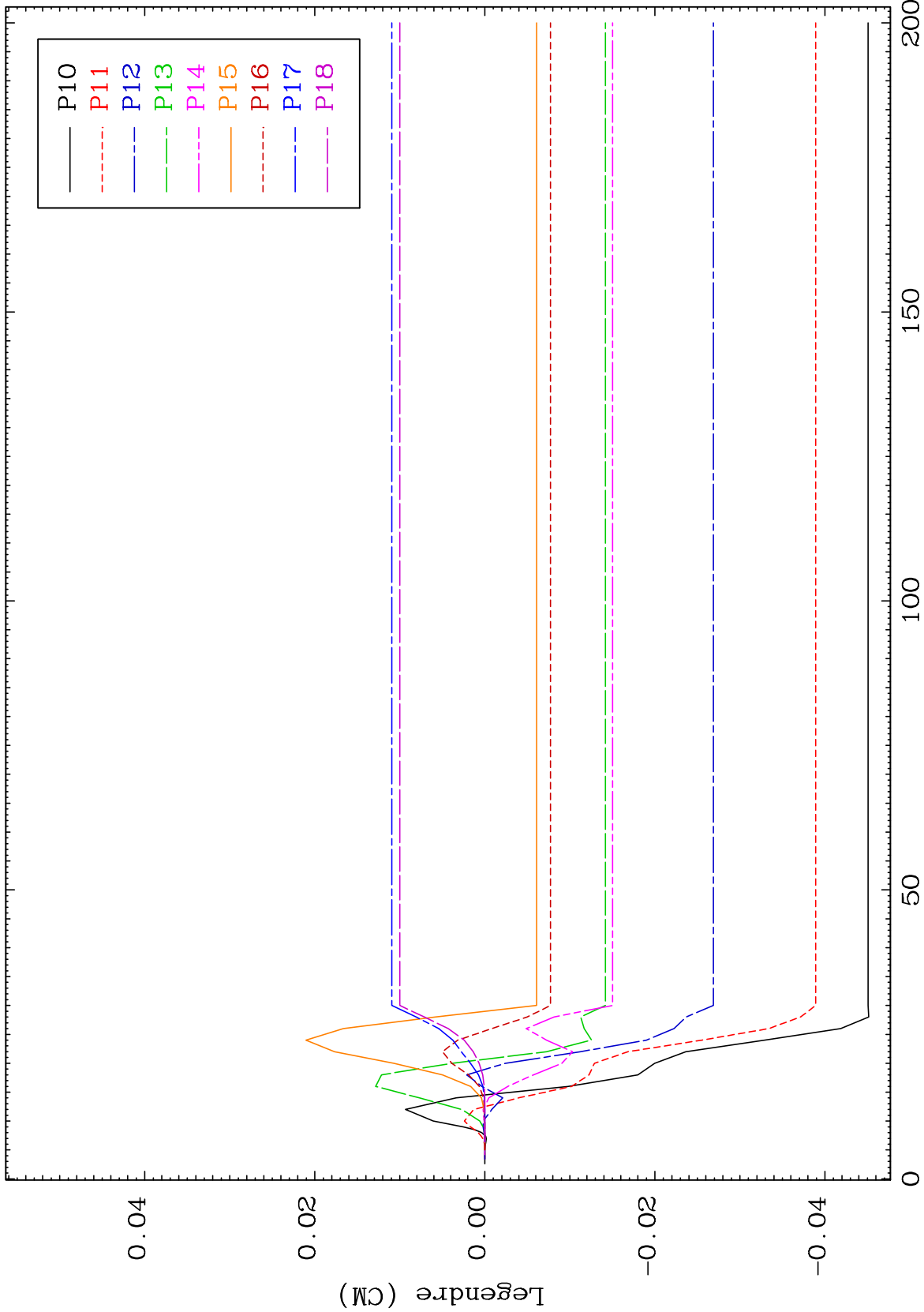
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



89

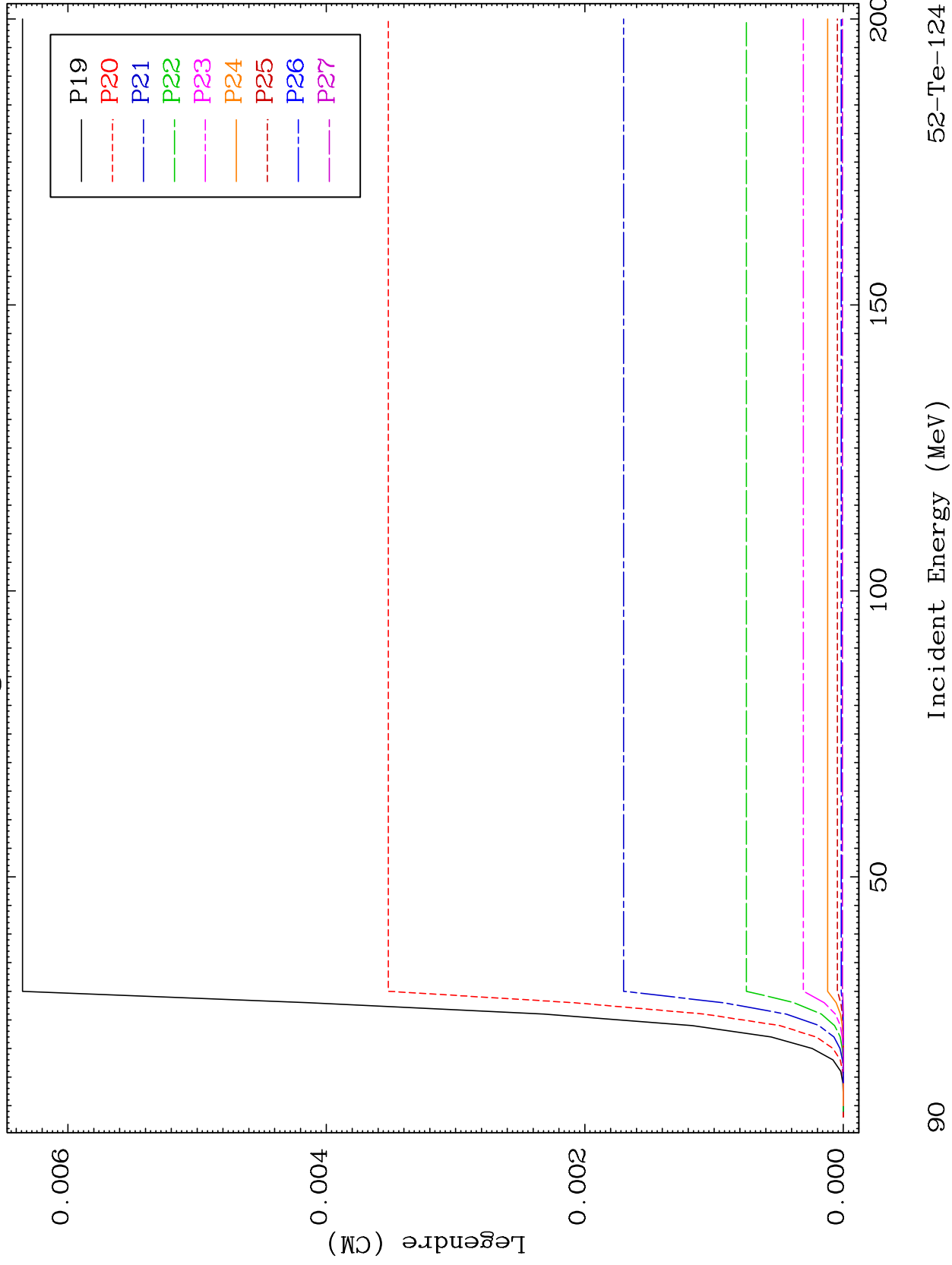
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



90

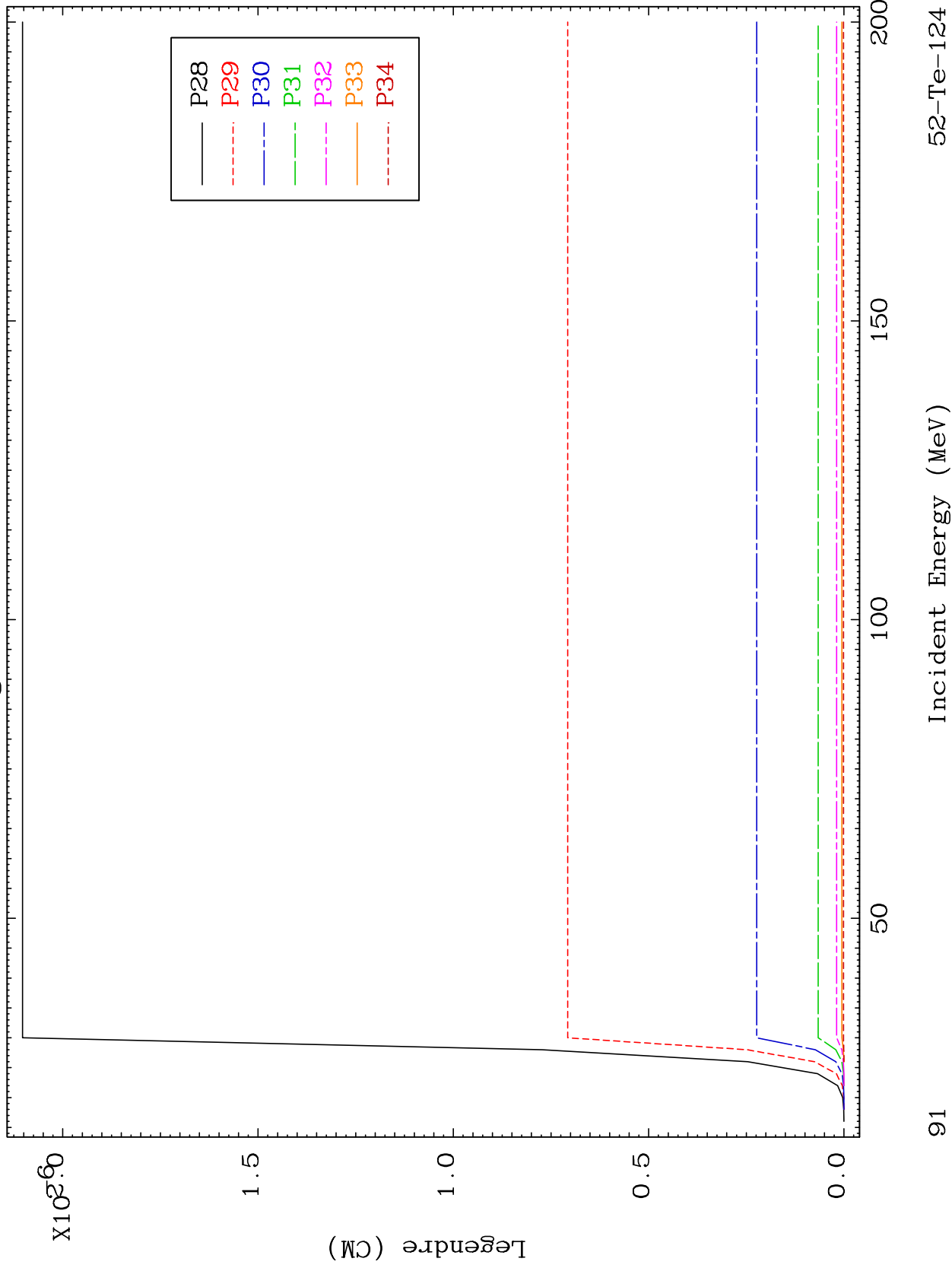
Incident Energy (MeV)

52-Te-124

MAT 5237

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

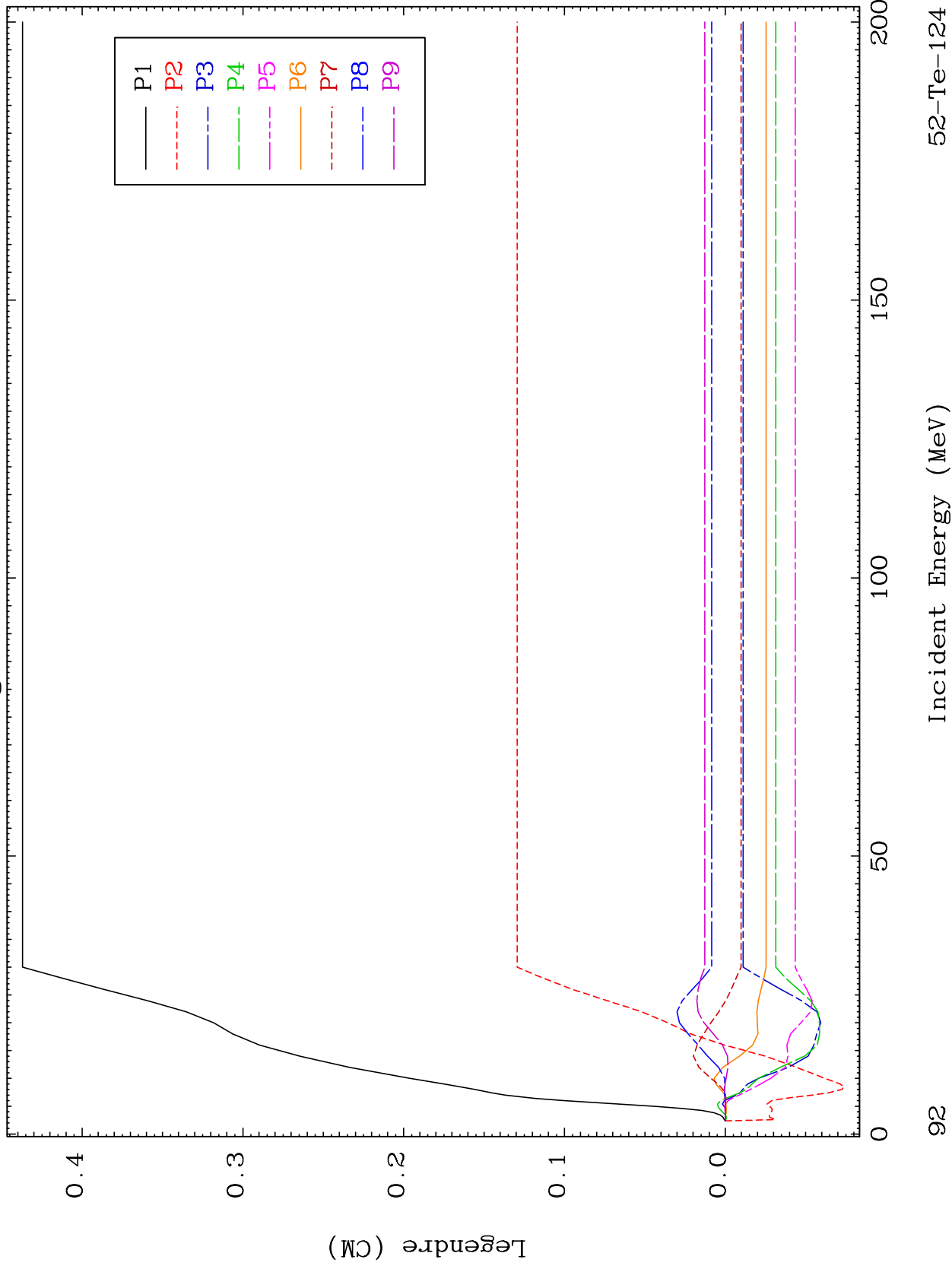
52-Te-124



MAT 5237

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

52-Te-124



92

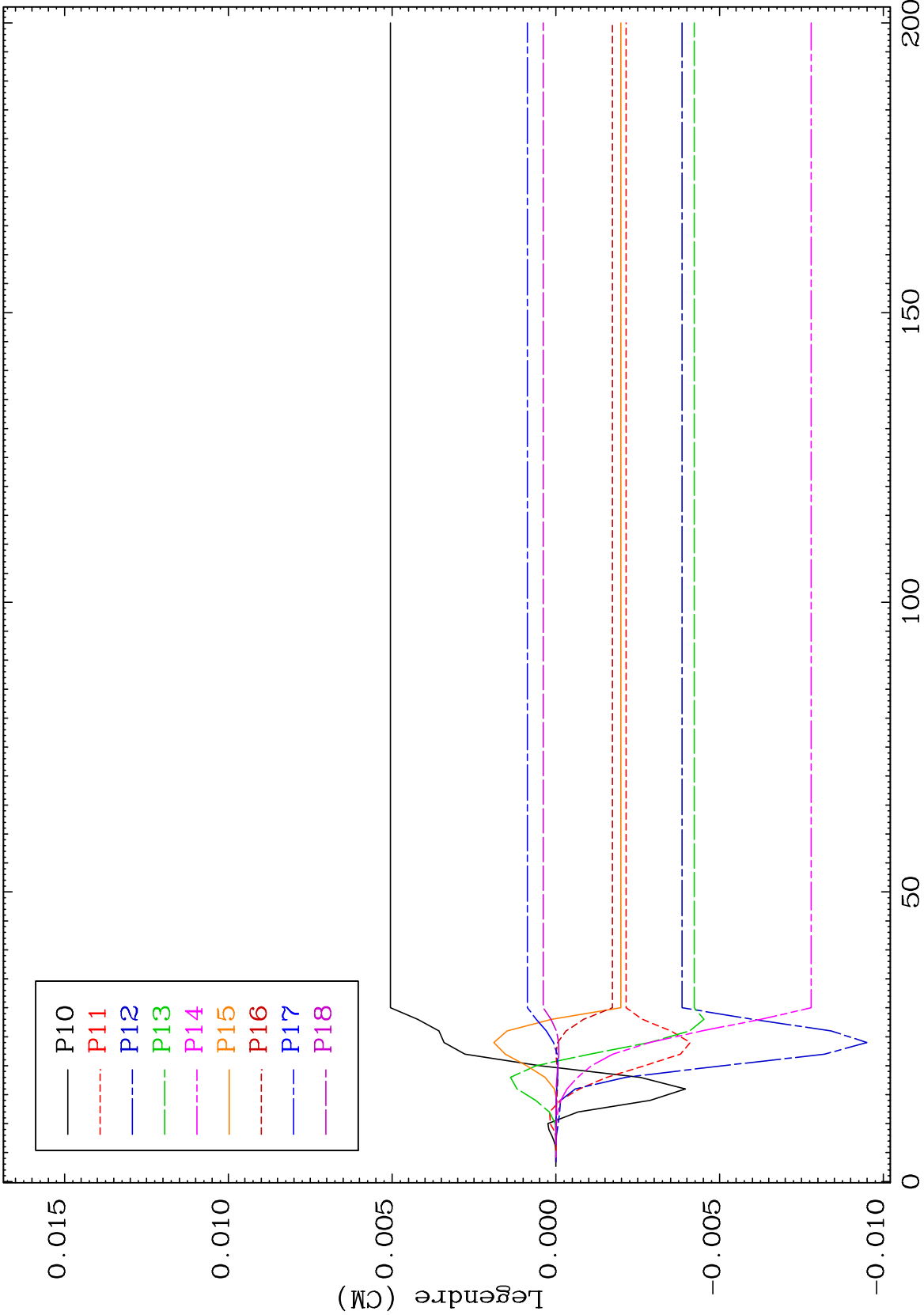
Incident Energy (MeV)

52-Te-124

MAT 5237

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

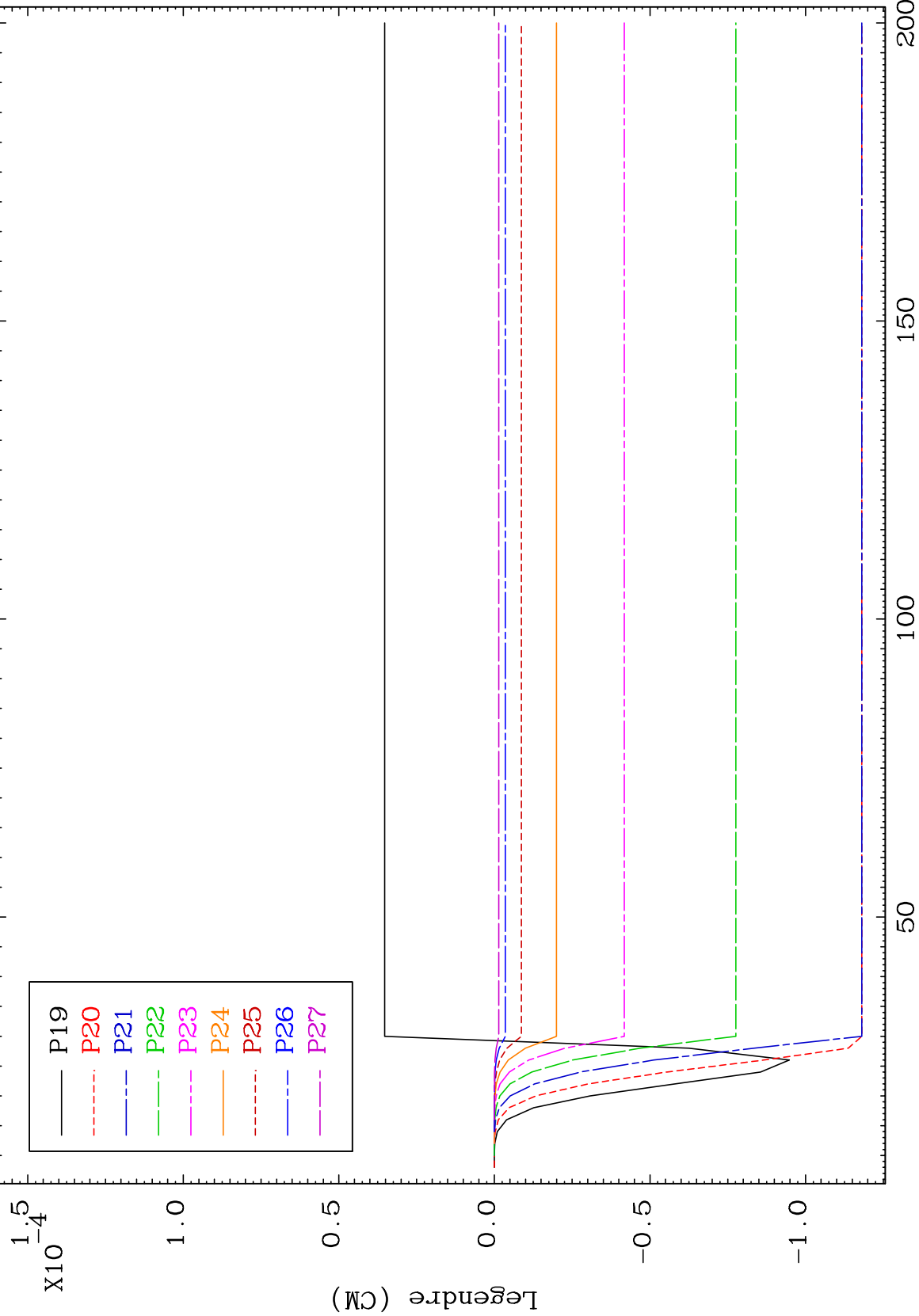
52-Te-124



MAT 5237

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

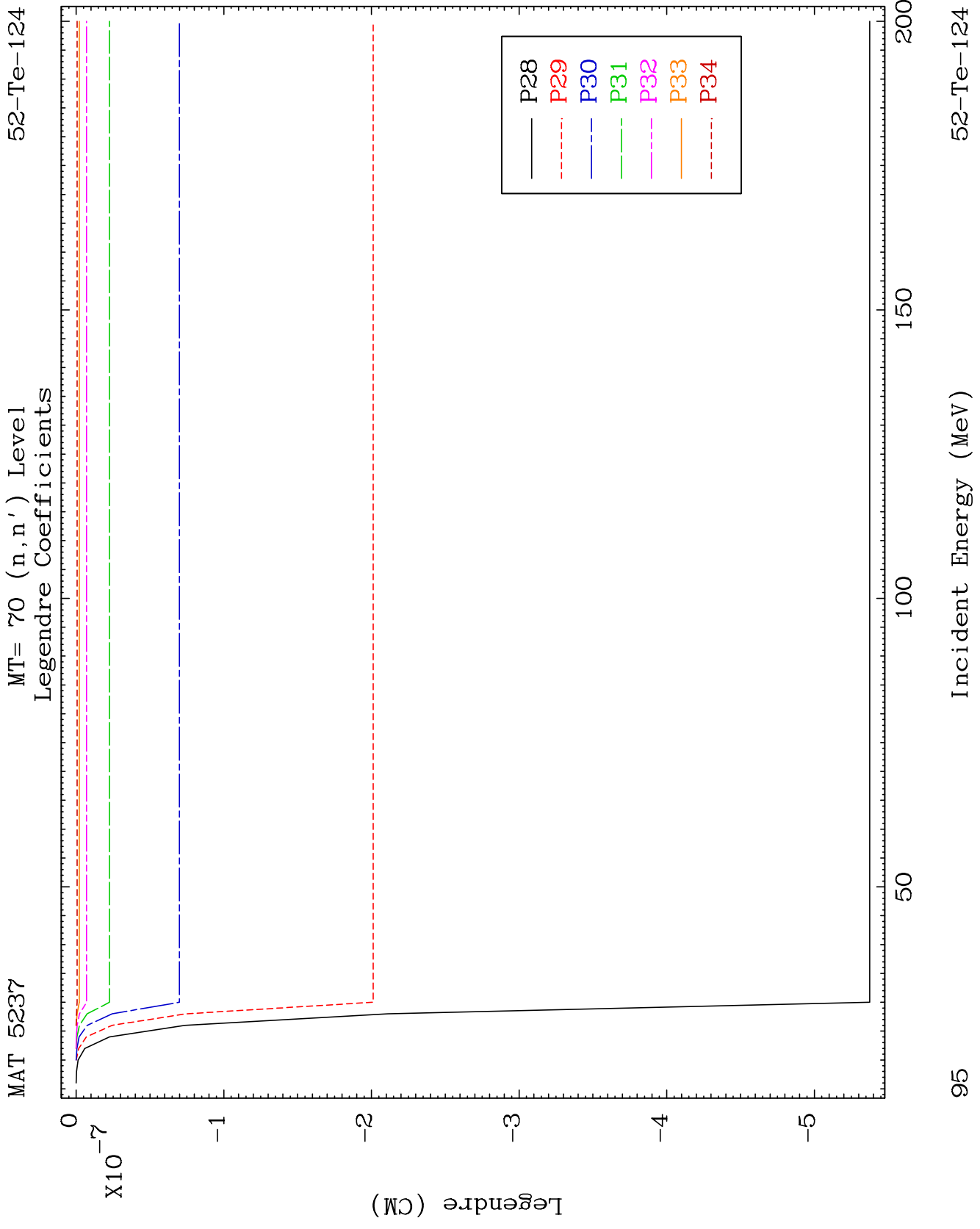
52-Te-124



94

Incident Energy (MeV)

52-Te-124

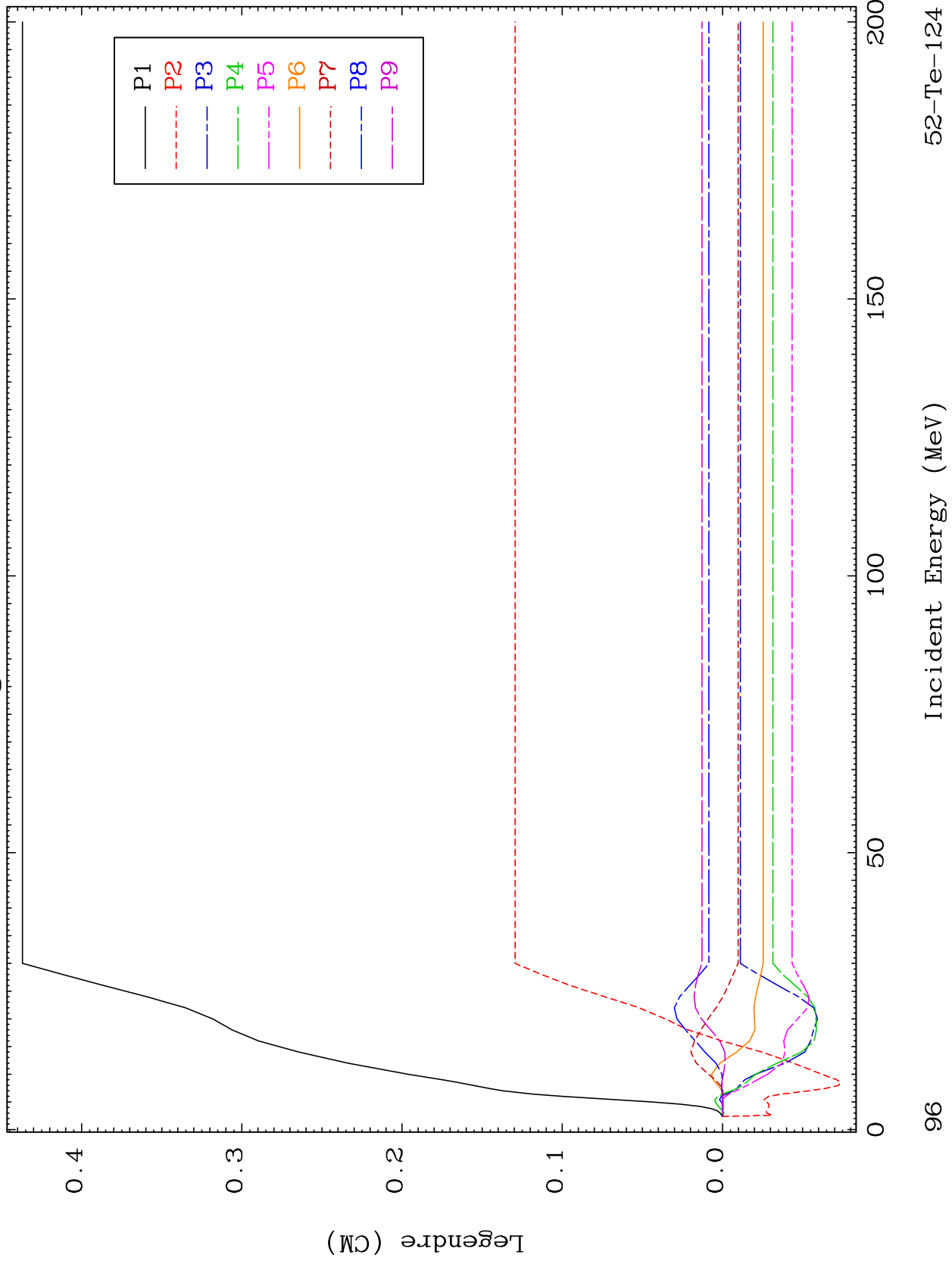




MAT 5237

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

52-Te-124



52-Te-124

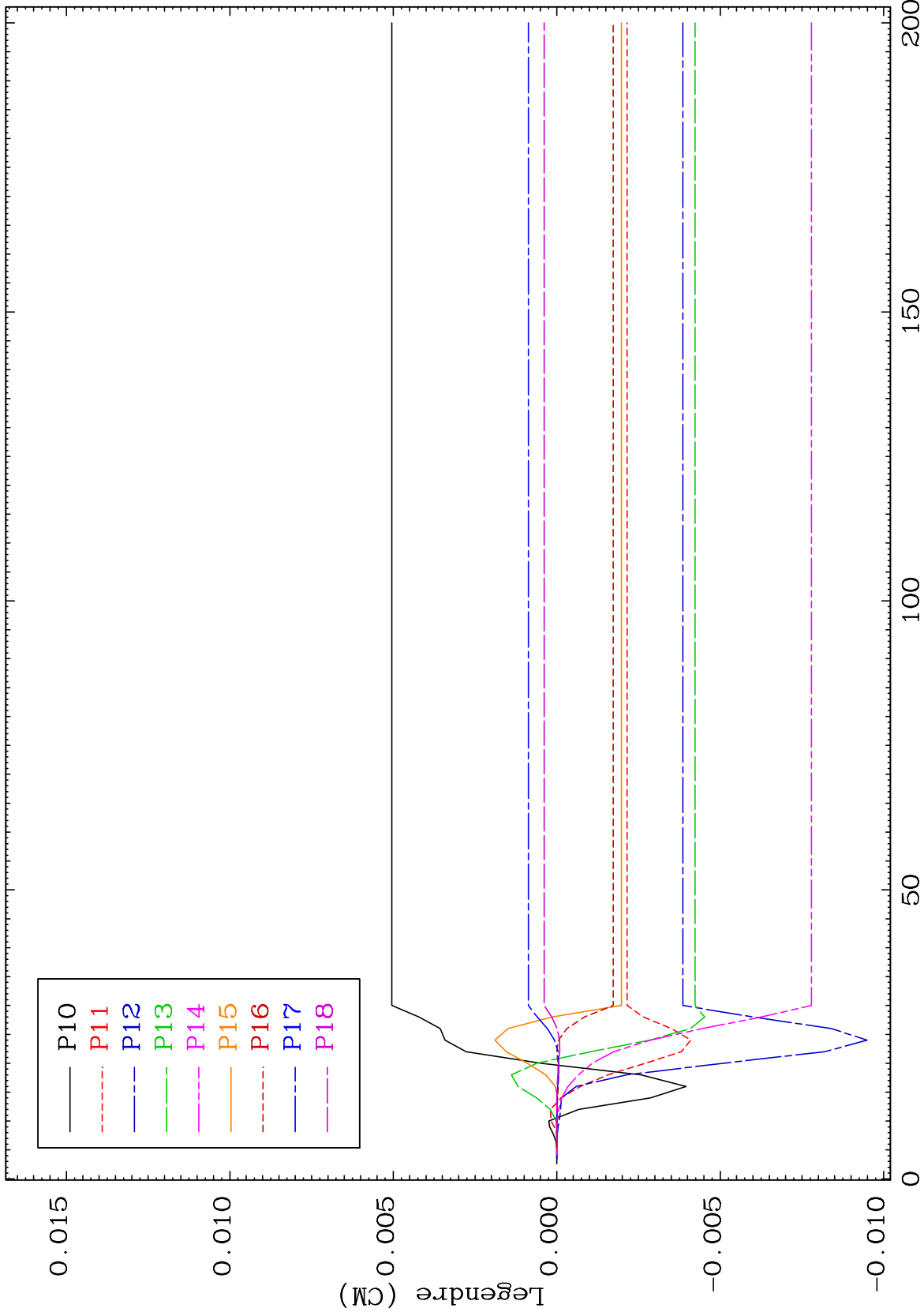
Incident Energy (MeV)

96

MAT 5237

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

52-Te-124



97

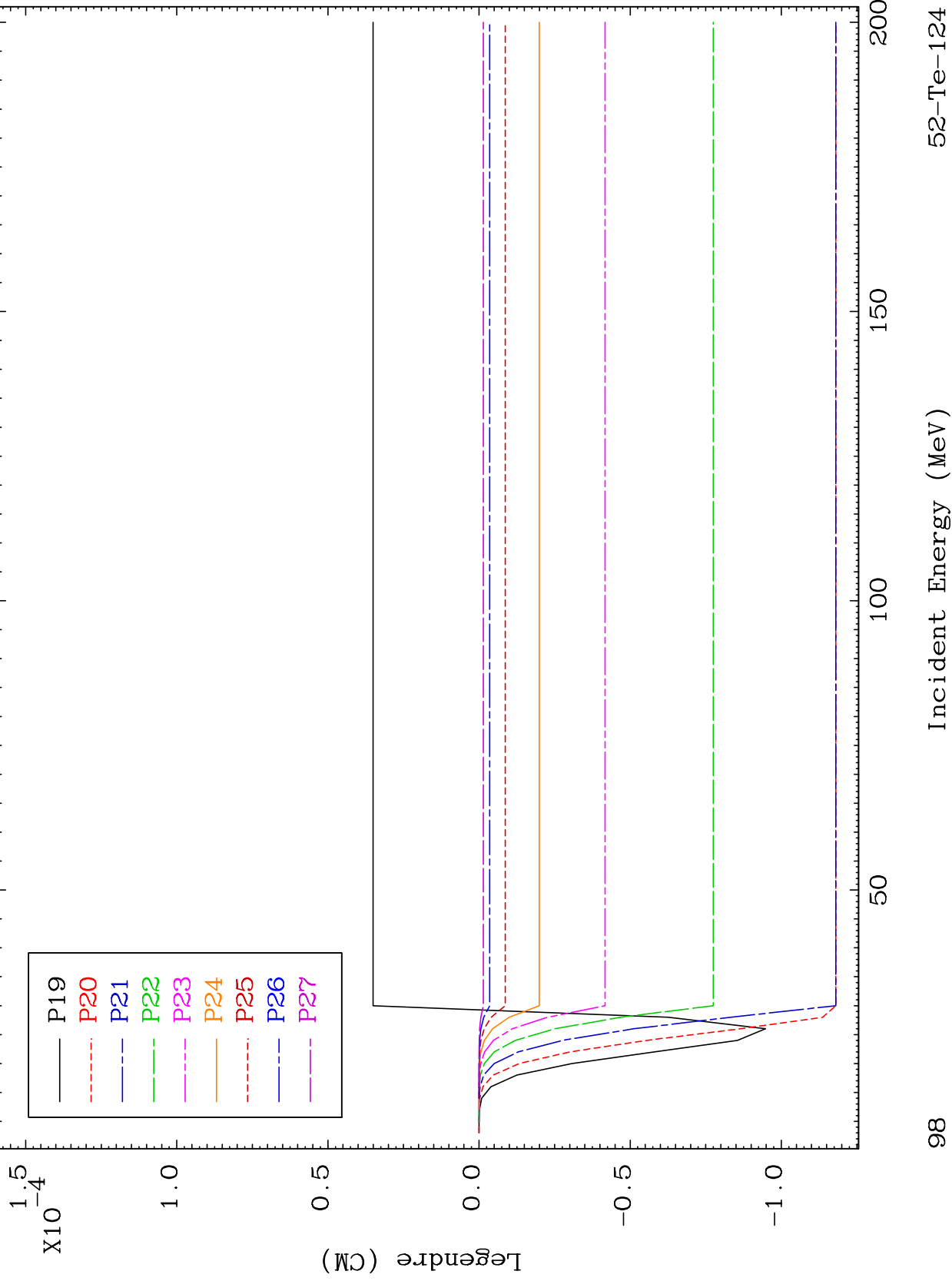
Incident Energy (MeV)

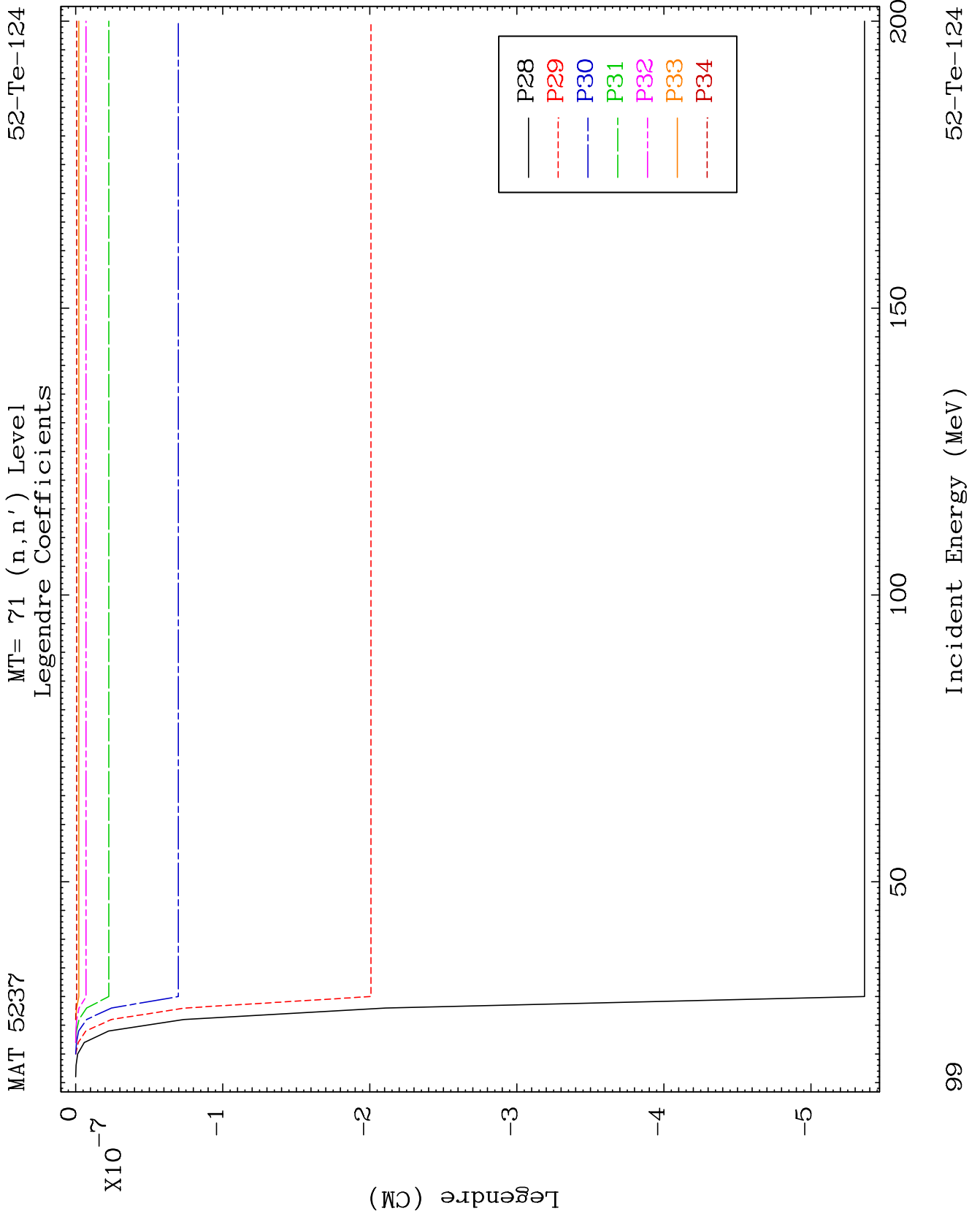
52-Te-124

MAT 5237

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

52-Te-124



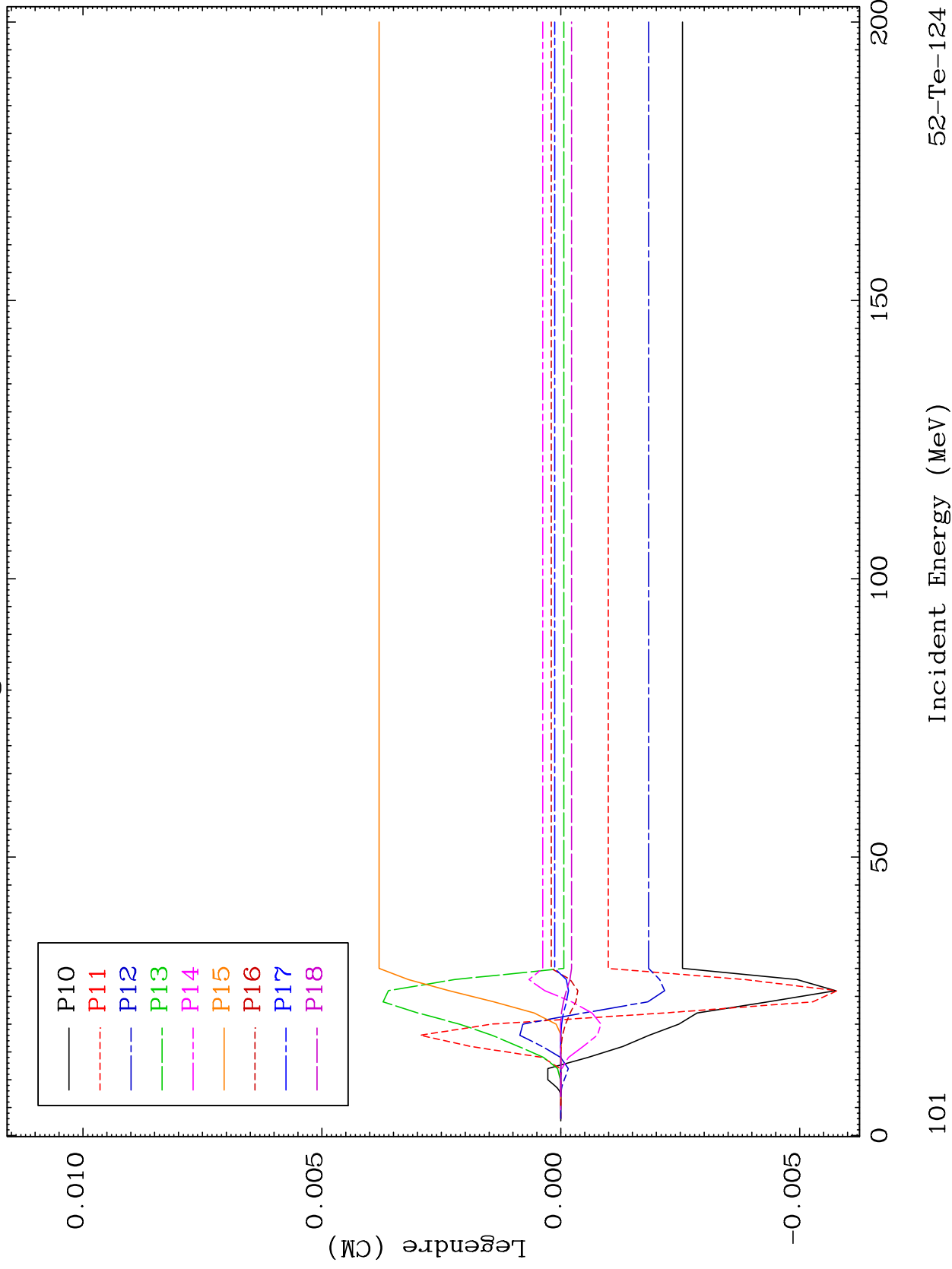




MAT 5237

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

52-Te-124



52-Te-124

Incident Energy (MeV)

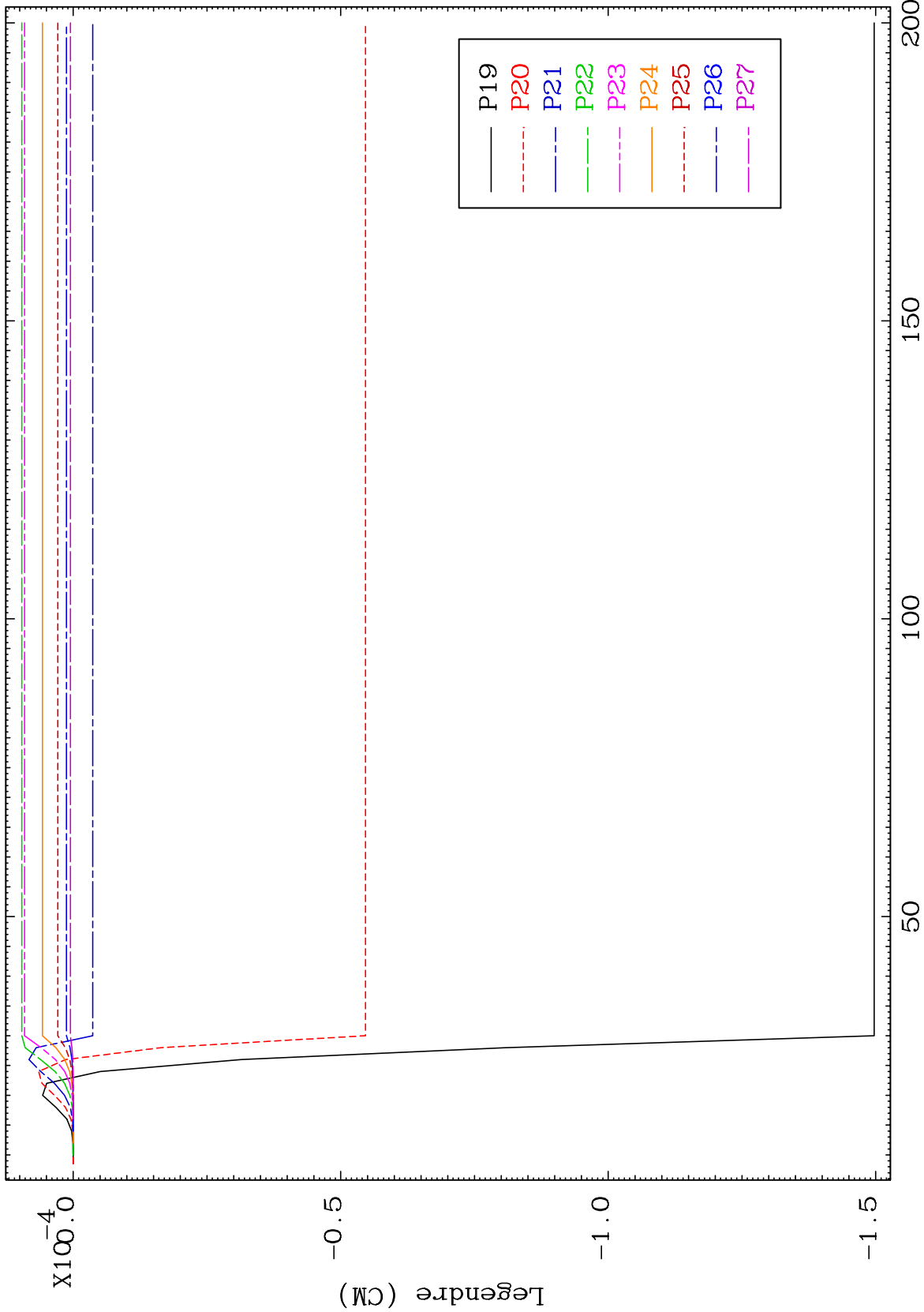
101

MAT 5237

MT= 72 (n,n') Level

52-Te-124

Legendre Coefficients



102

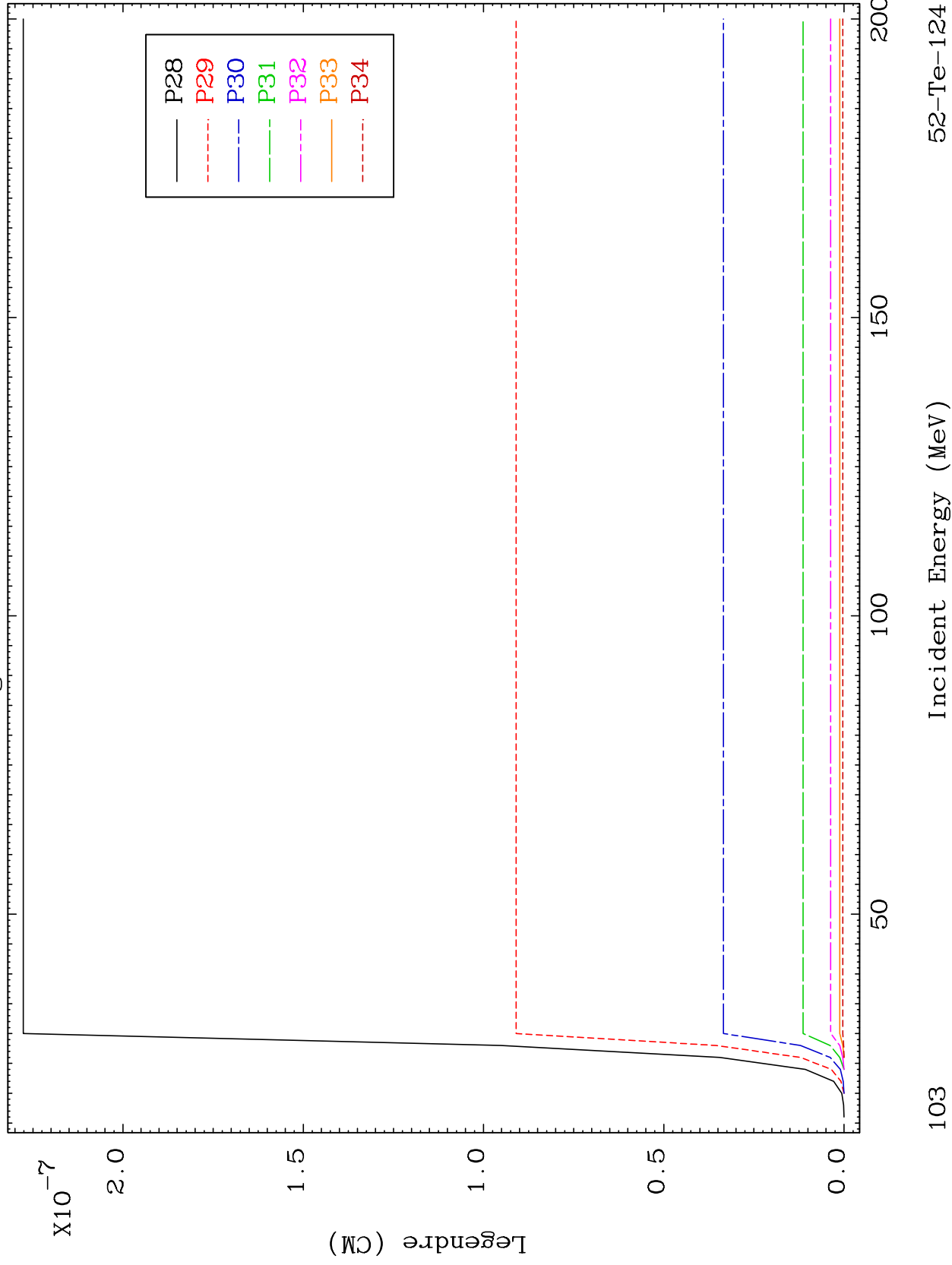
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



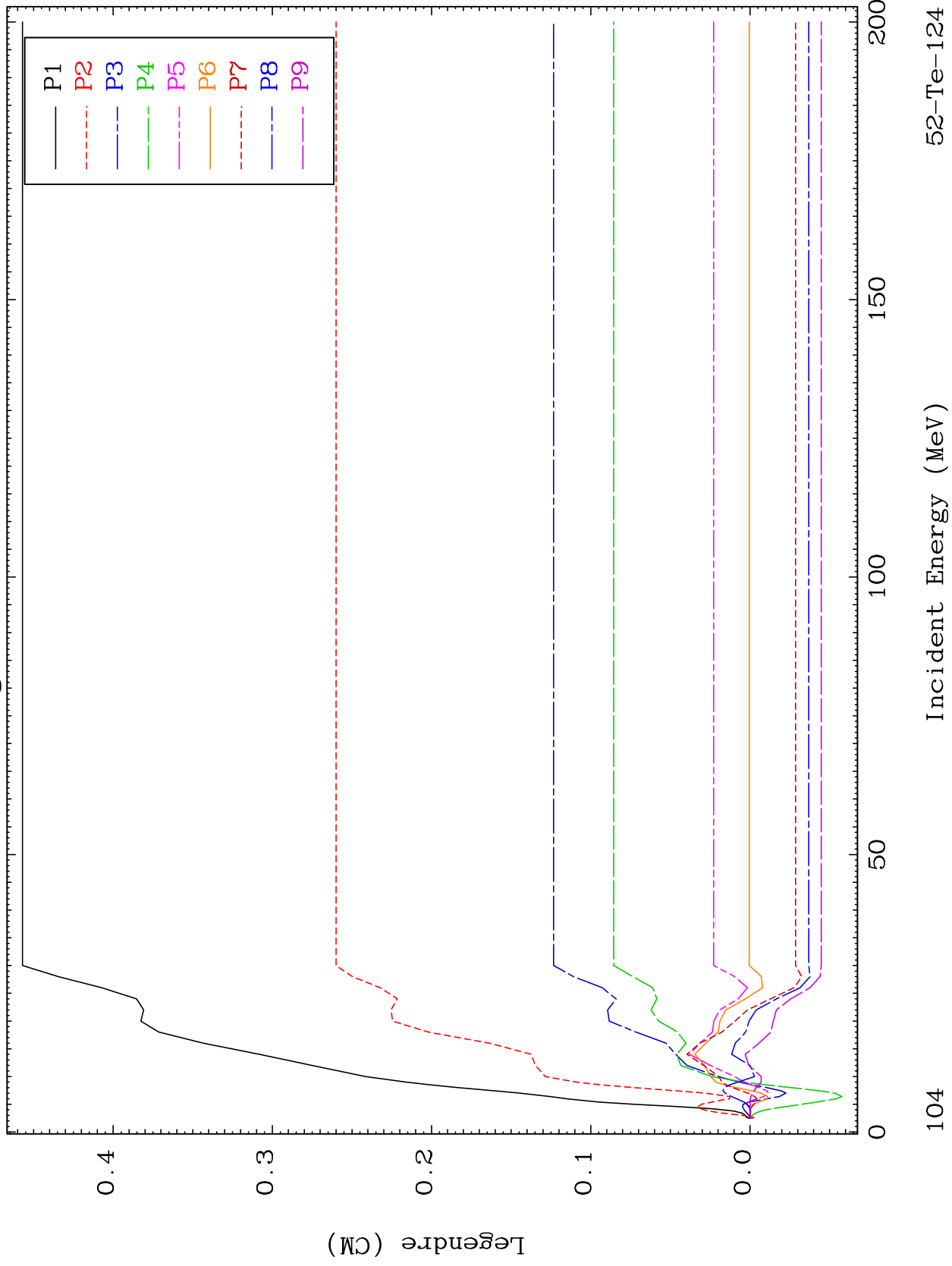
103



MAT 5237

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

52-Te-124



52-Te-124

Incident Energy (MeV)

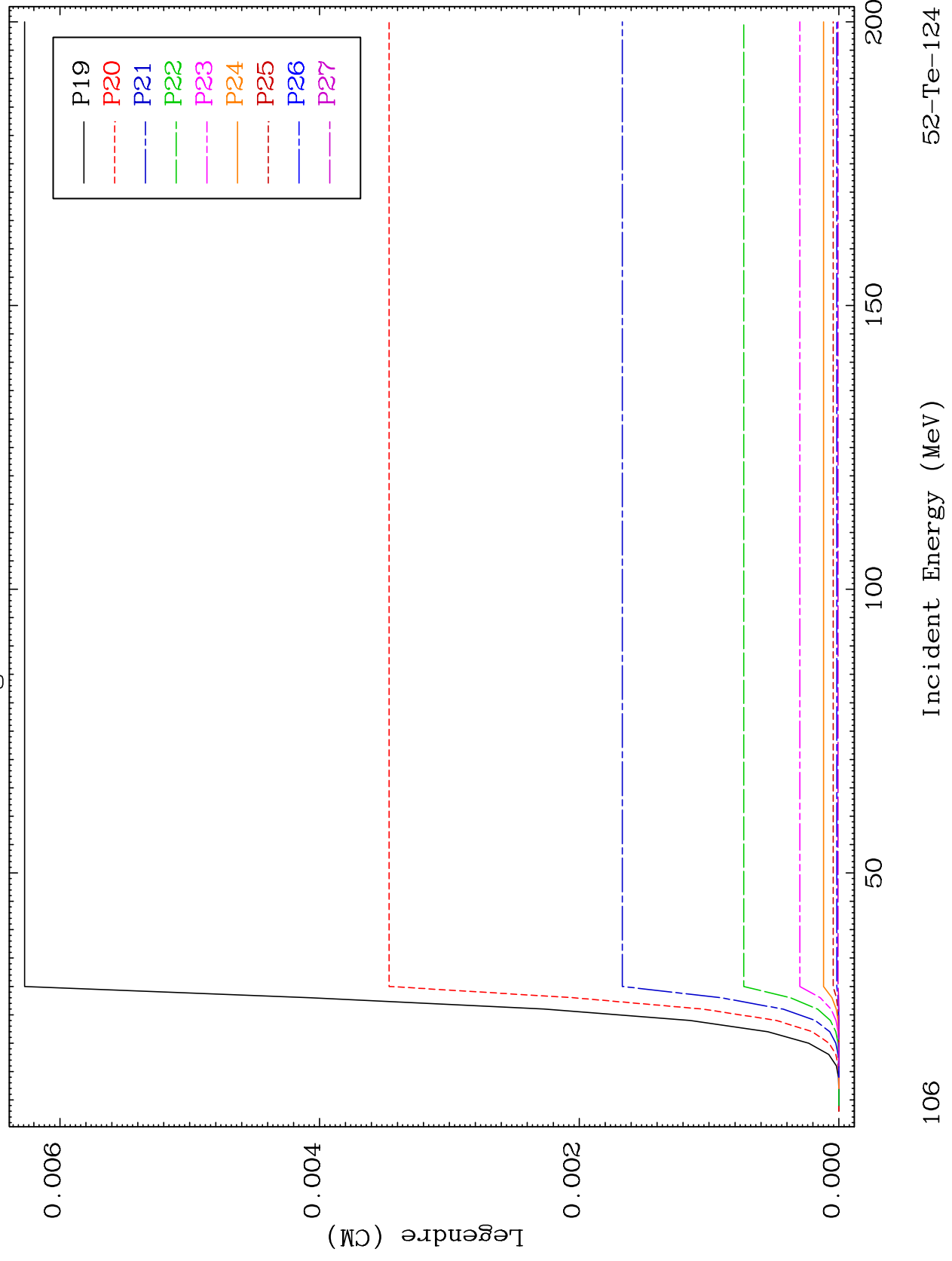
104



MAT 5237

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

52-Te-124



106

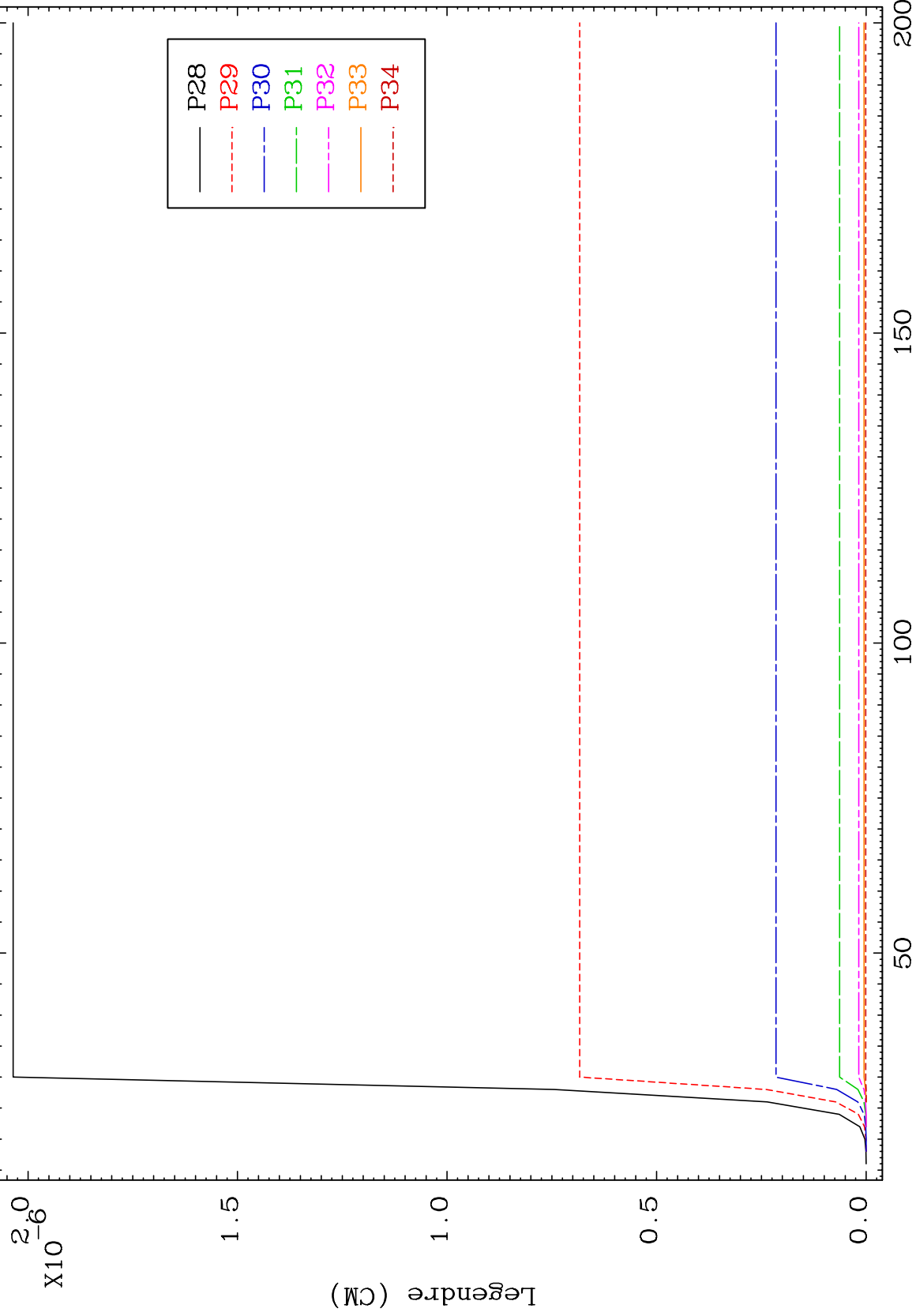
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



107

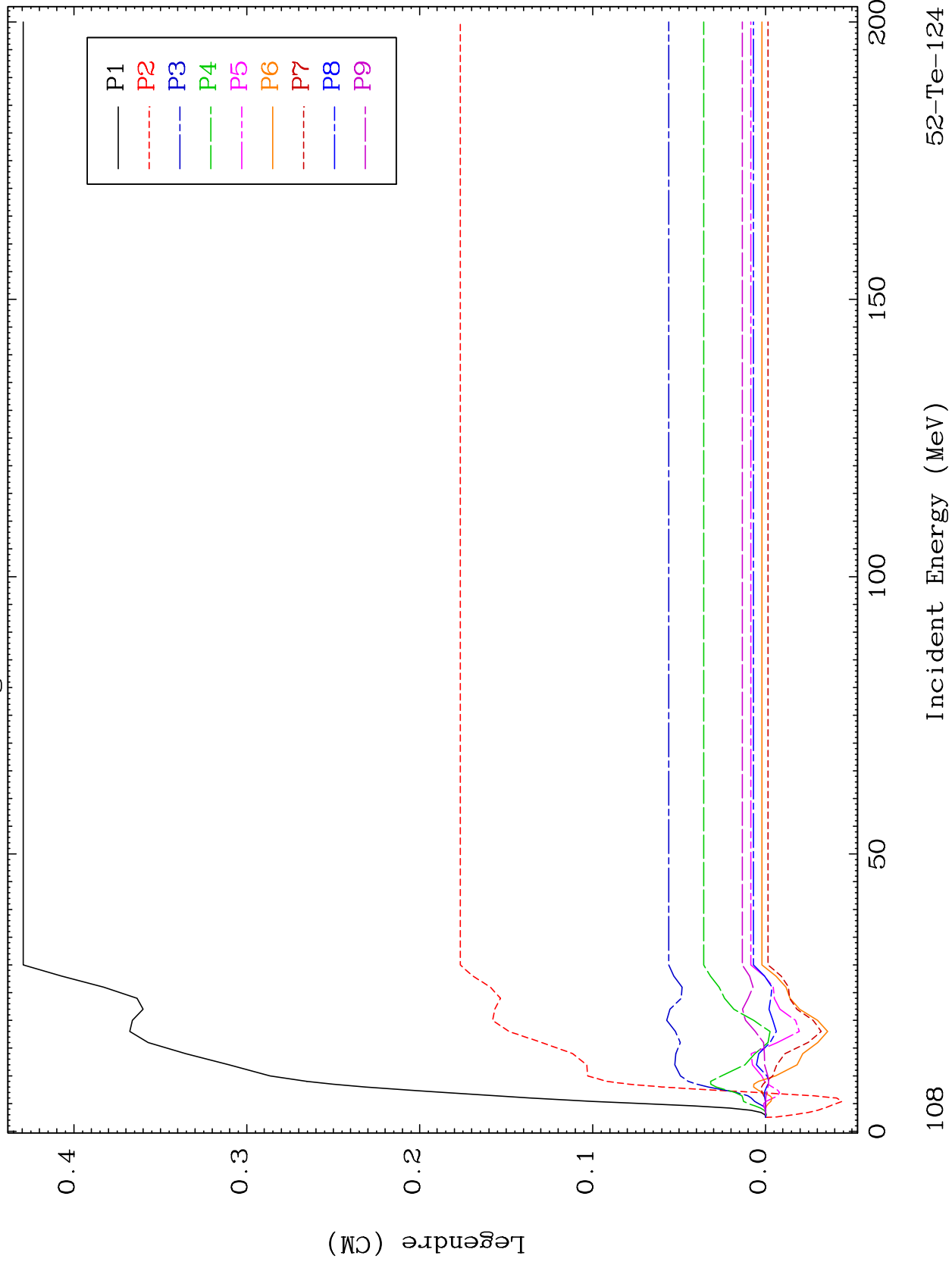
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



52-Te-124

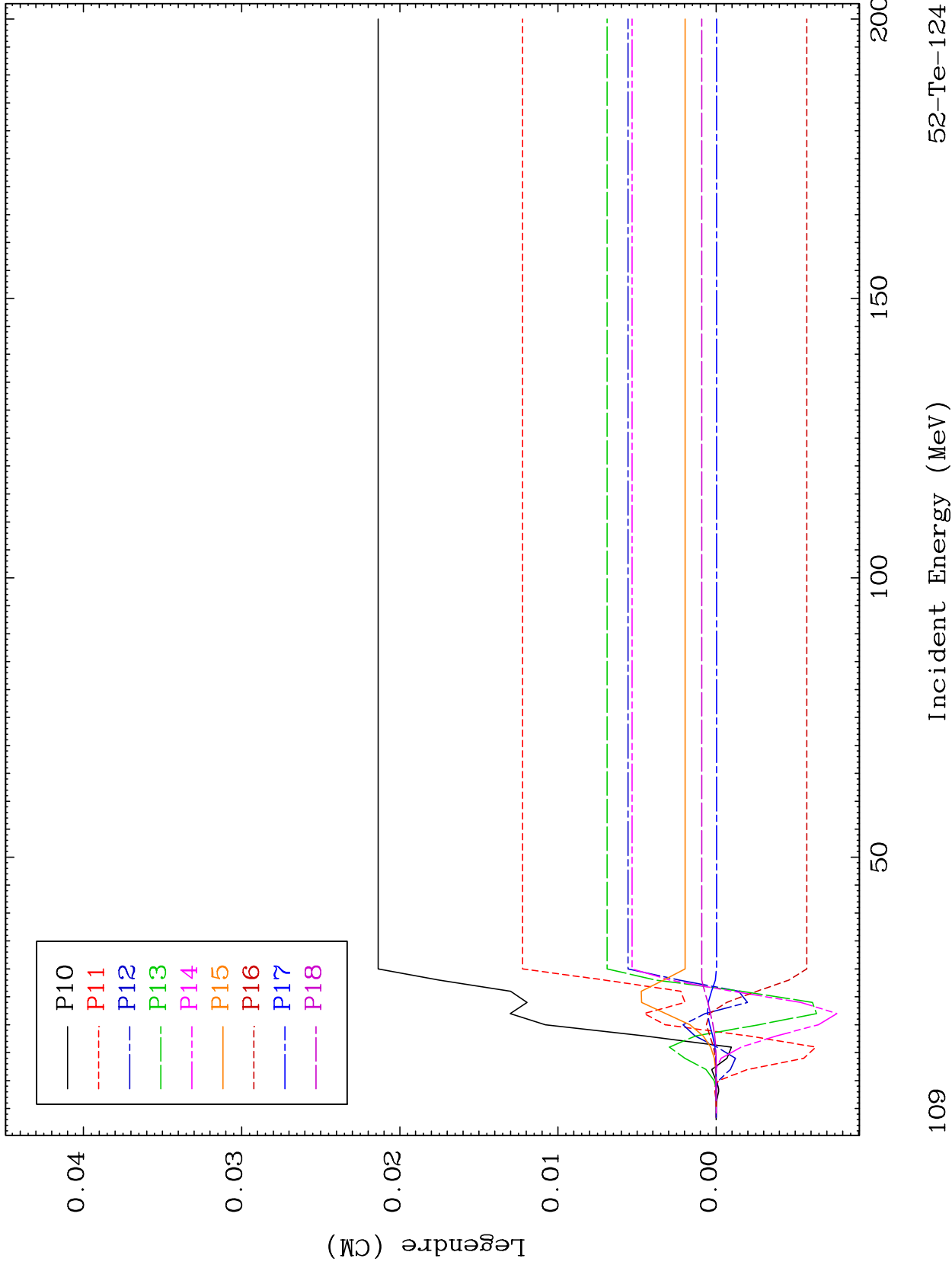
Incident Energy (MeV)

108

MAT 5237

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

52-Te-124



109

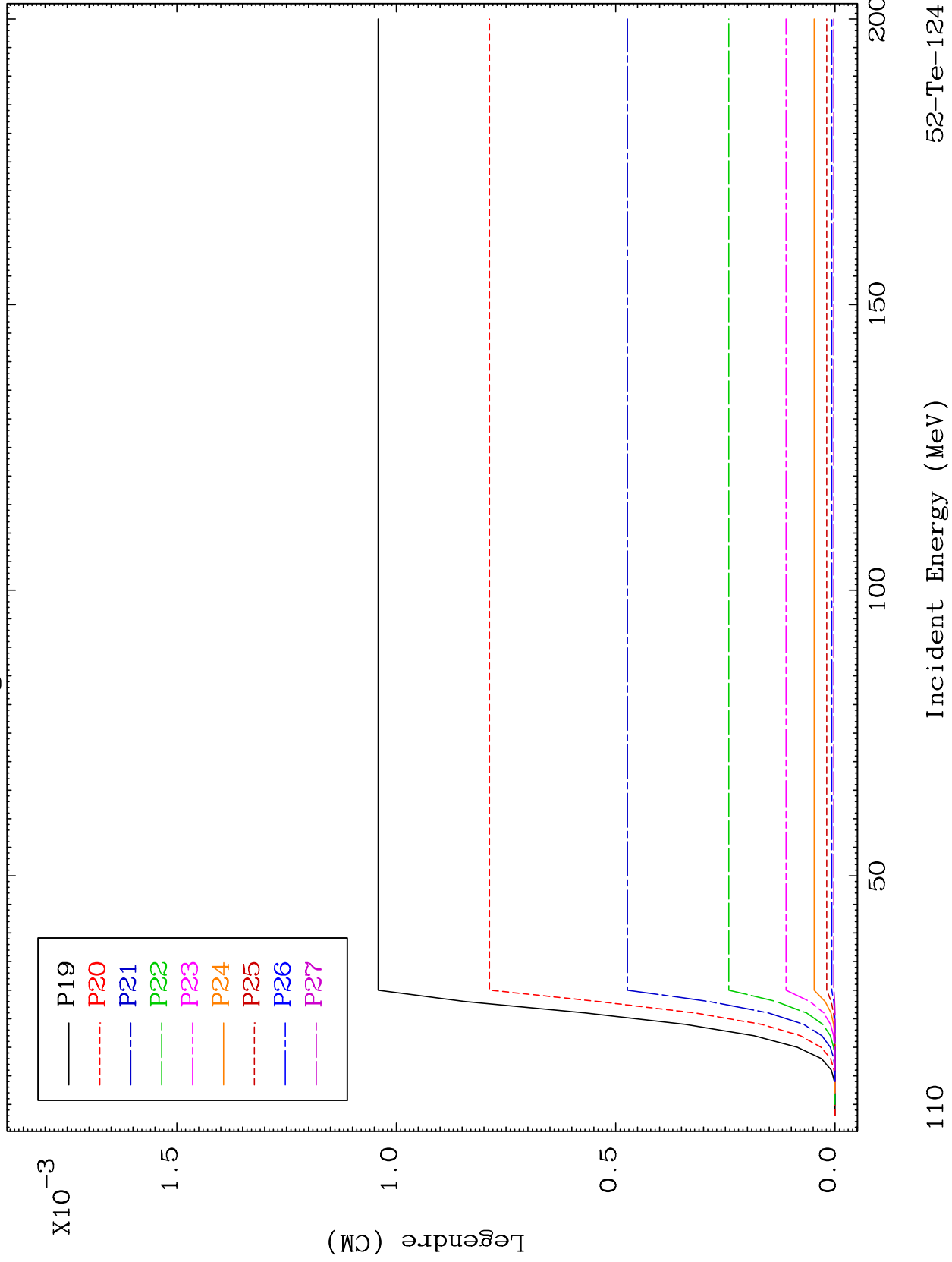
Incident Energy (MeV)

52-Te-124

MAT 5237

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

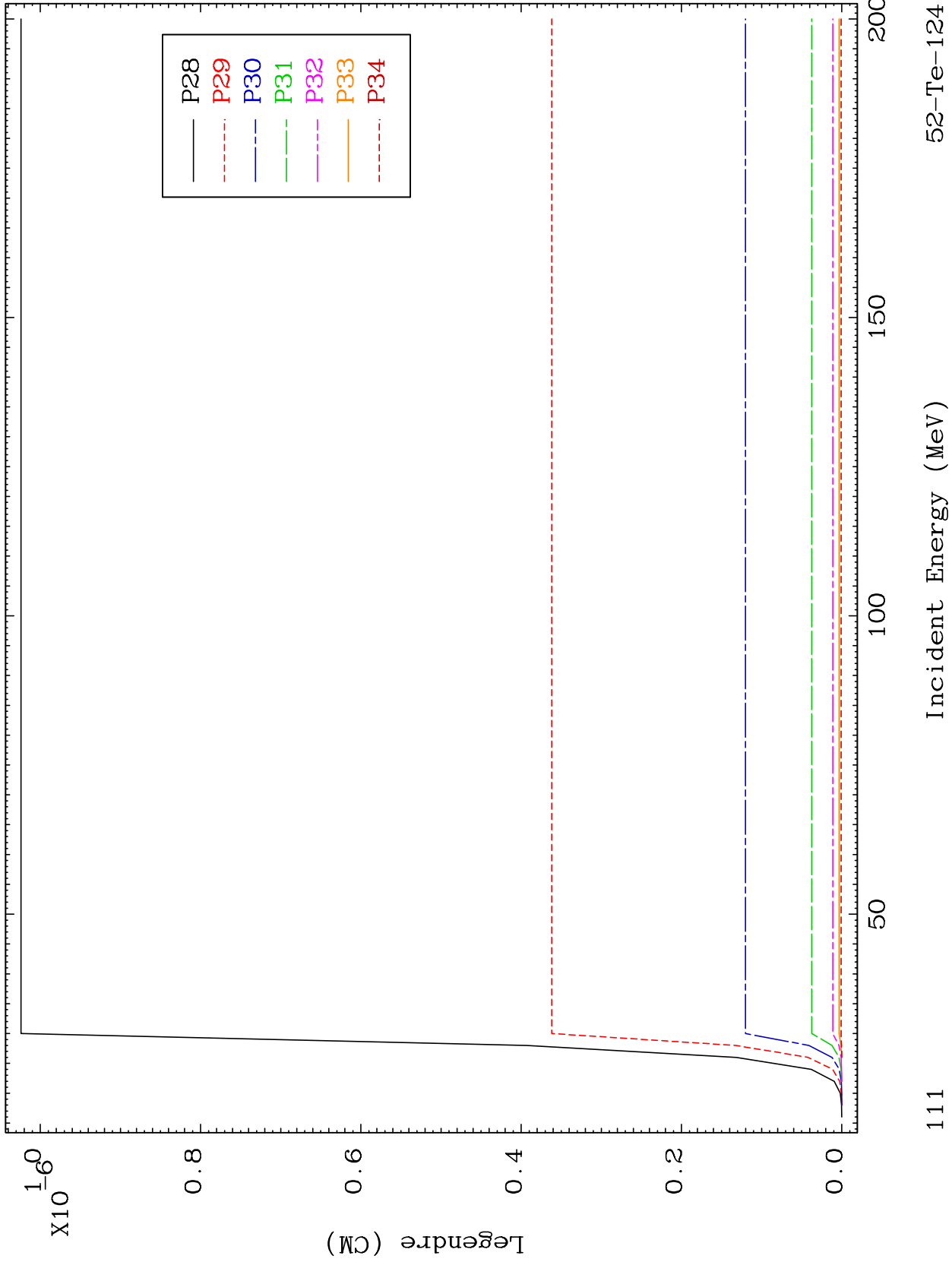
52-Te-124



MAT 5237

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

52-Te-124

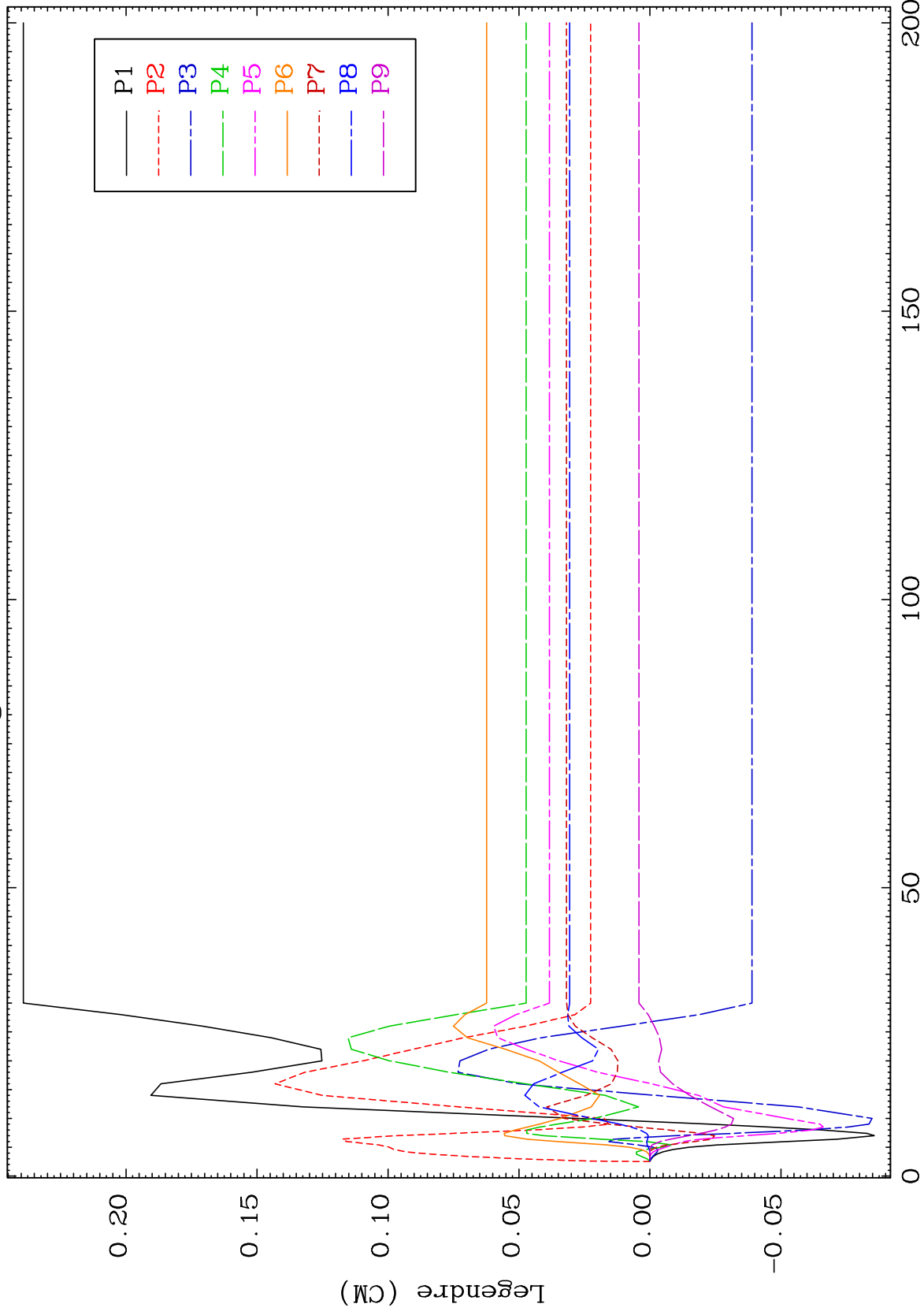




MAT 5237

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

52-Te-124



52-Te-124

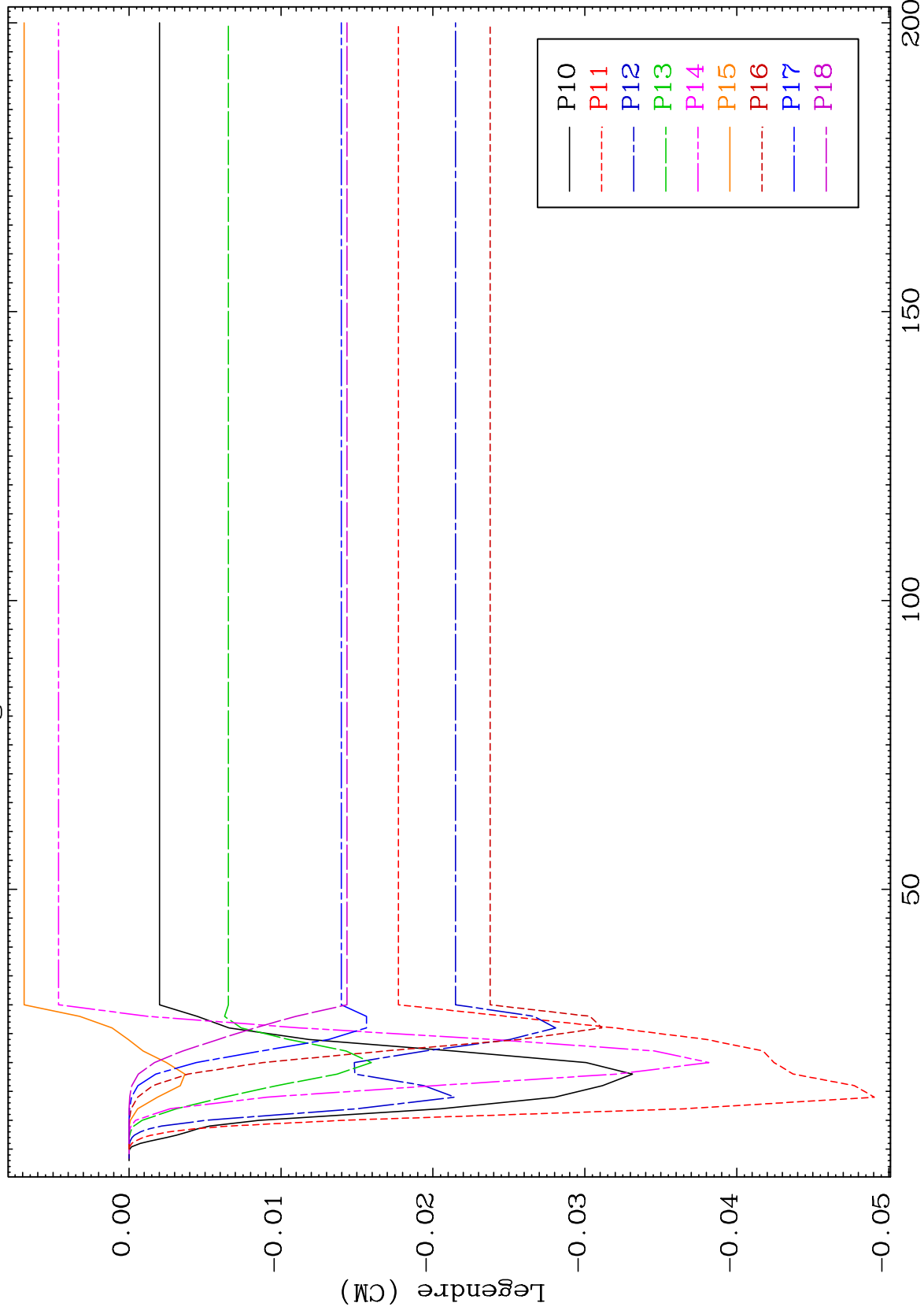
Incident Energy (MeV)

112

MAT 5237

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

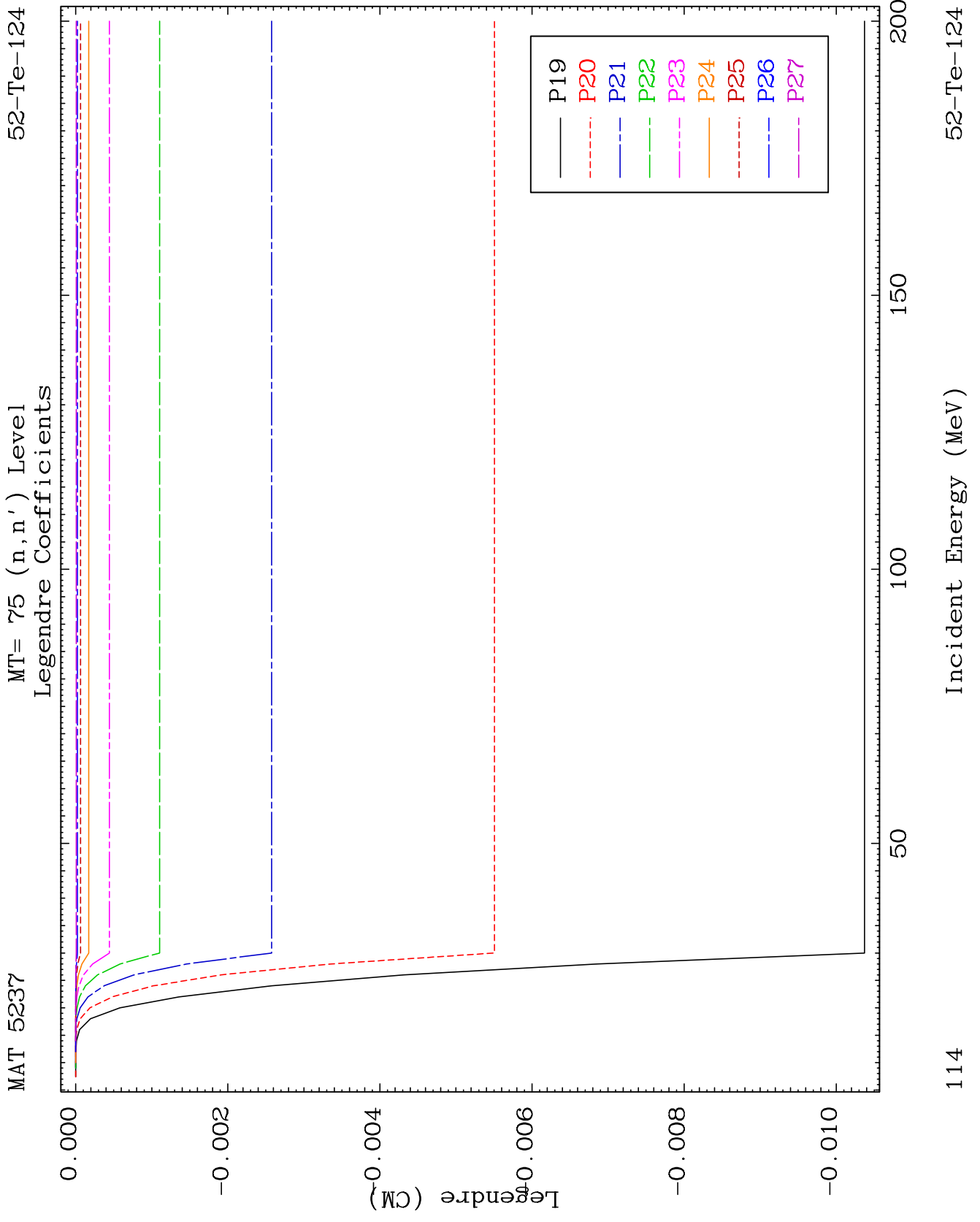
52-Te-124

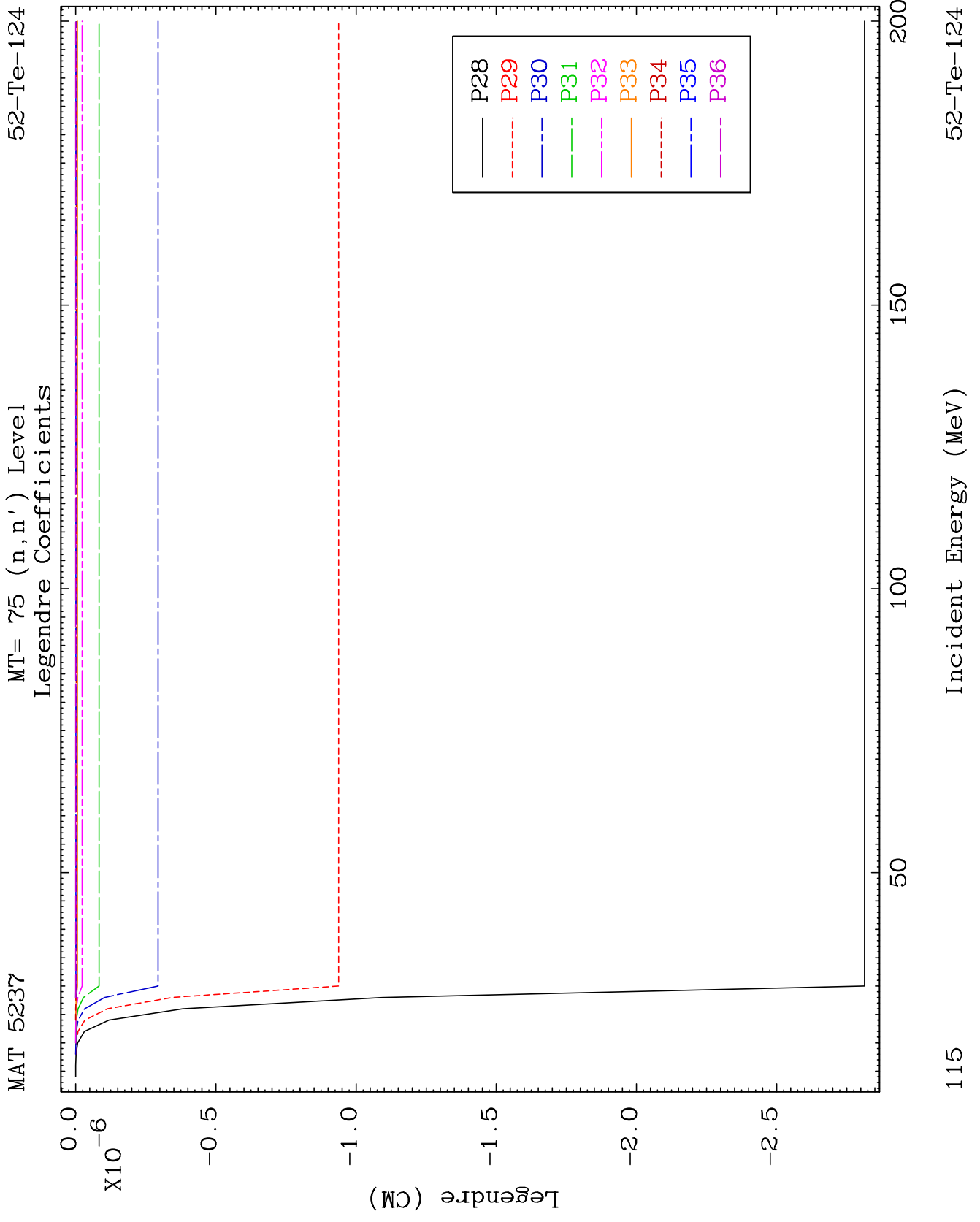


113

Incident Energy (MeV)

52-Te-124

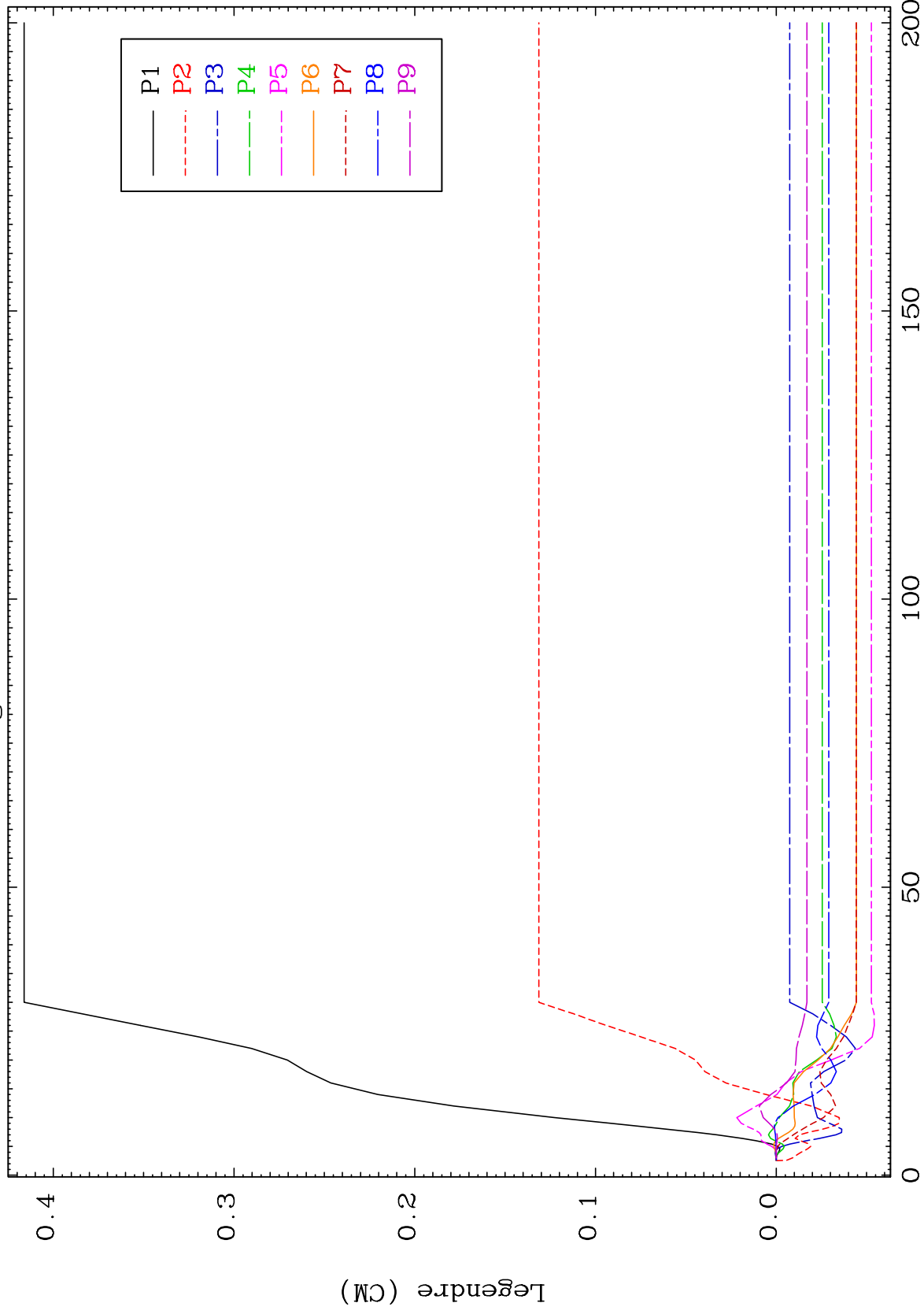




MAT 5237

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

52-Te-124



116

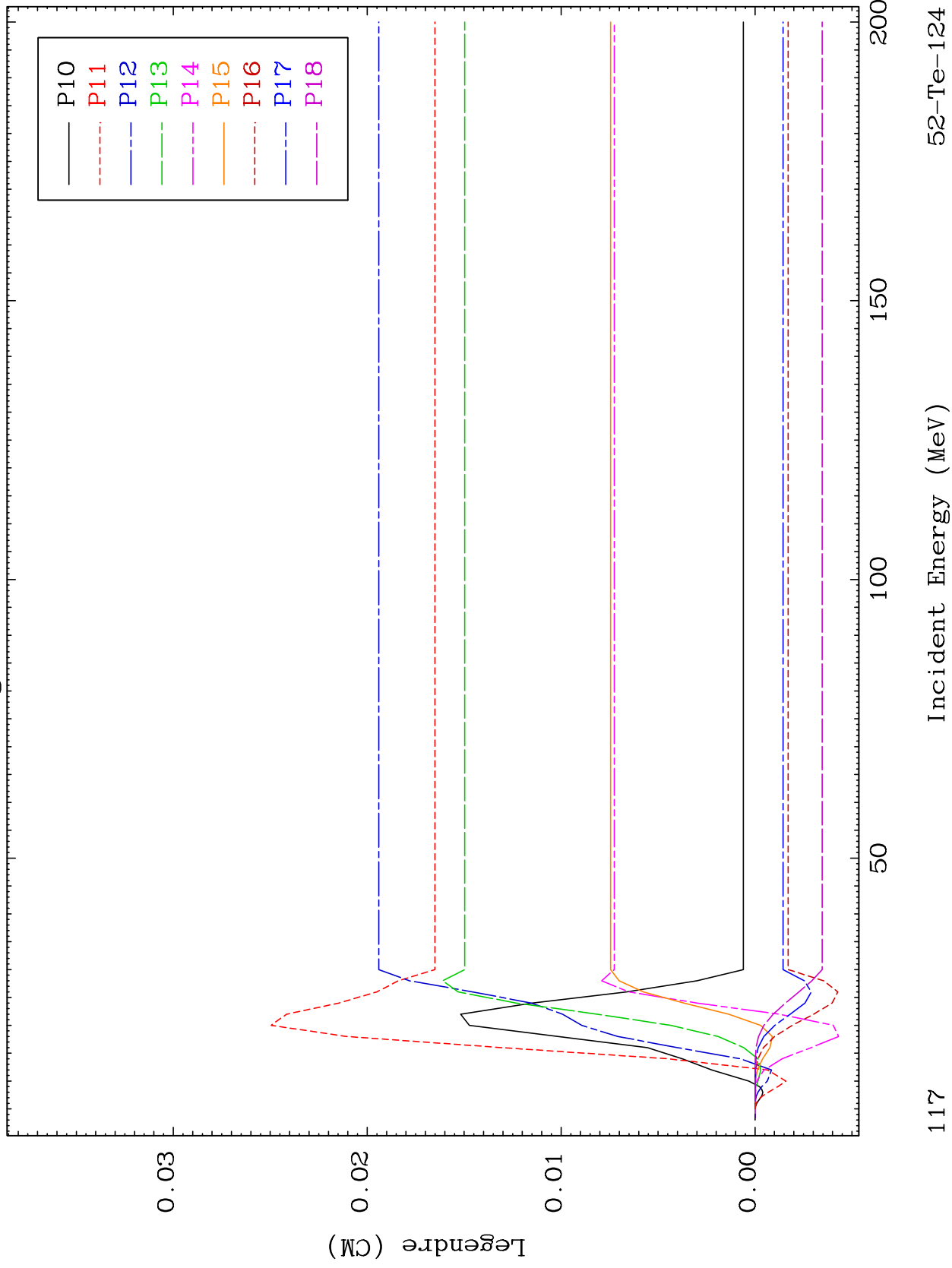
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



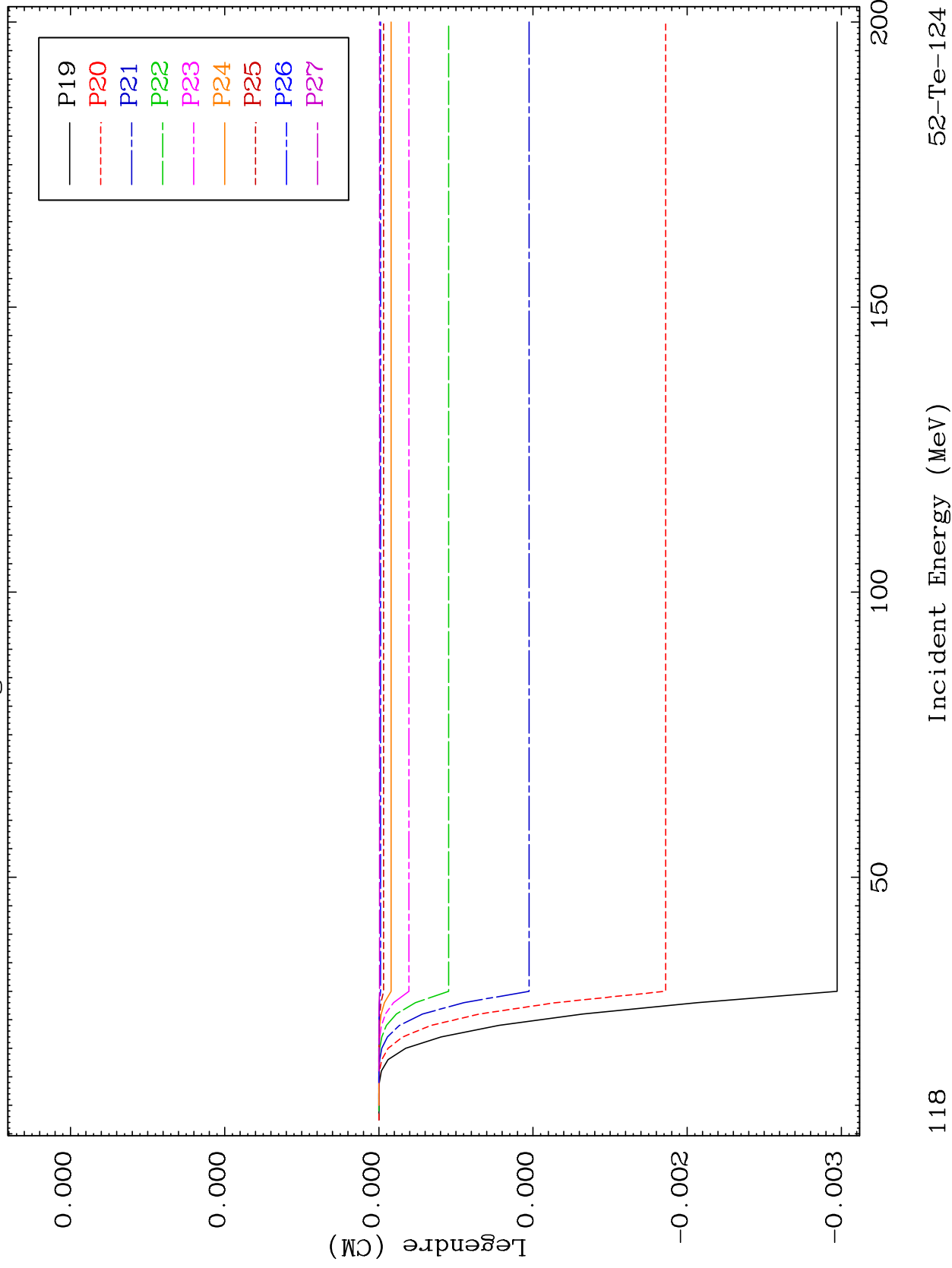
117

52-Te-124

MAT 5237

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

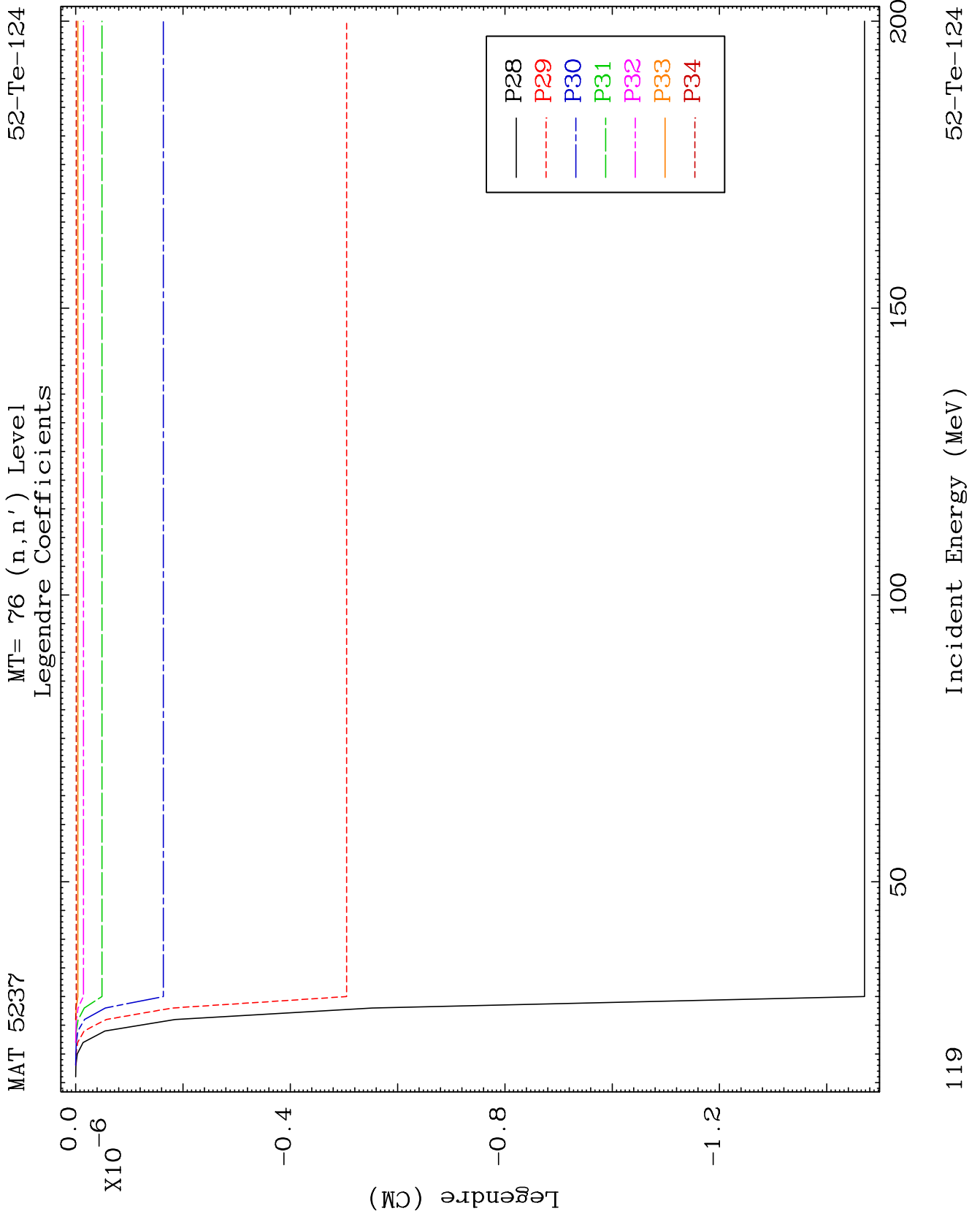
52-Te-124



118

Incident Energy (MeV)

52-Te-124

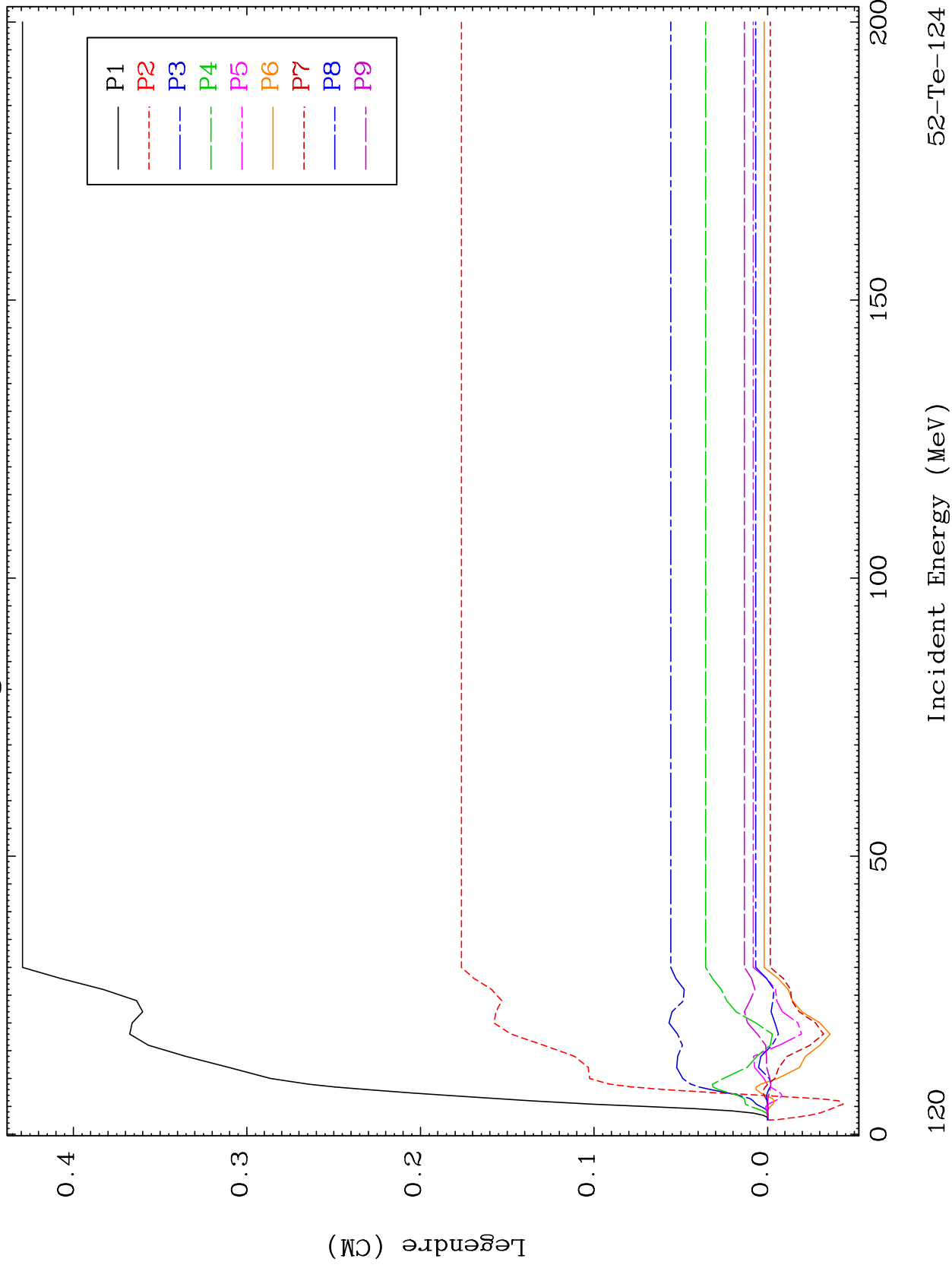




MAT 5237

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

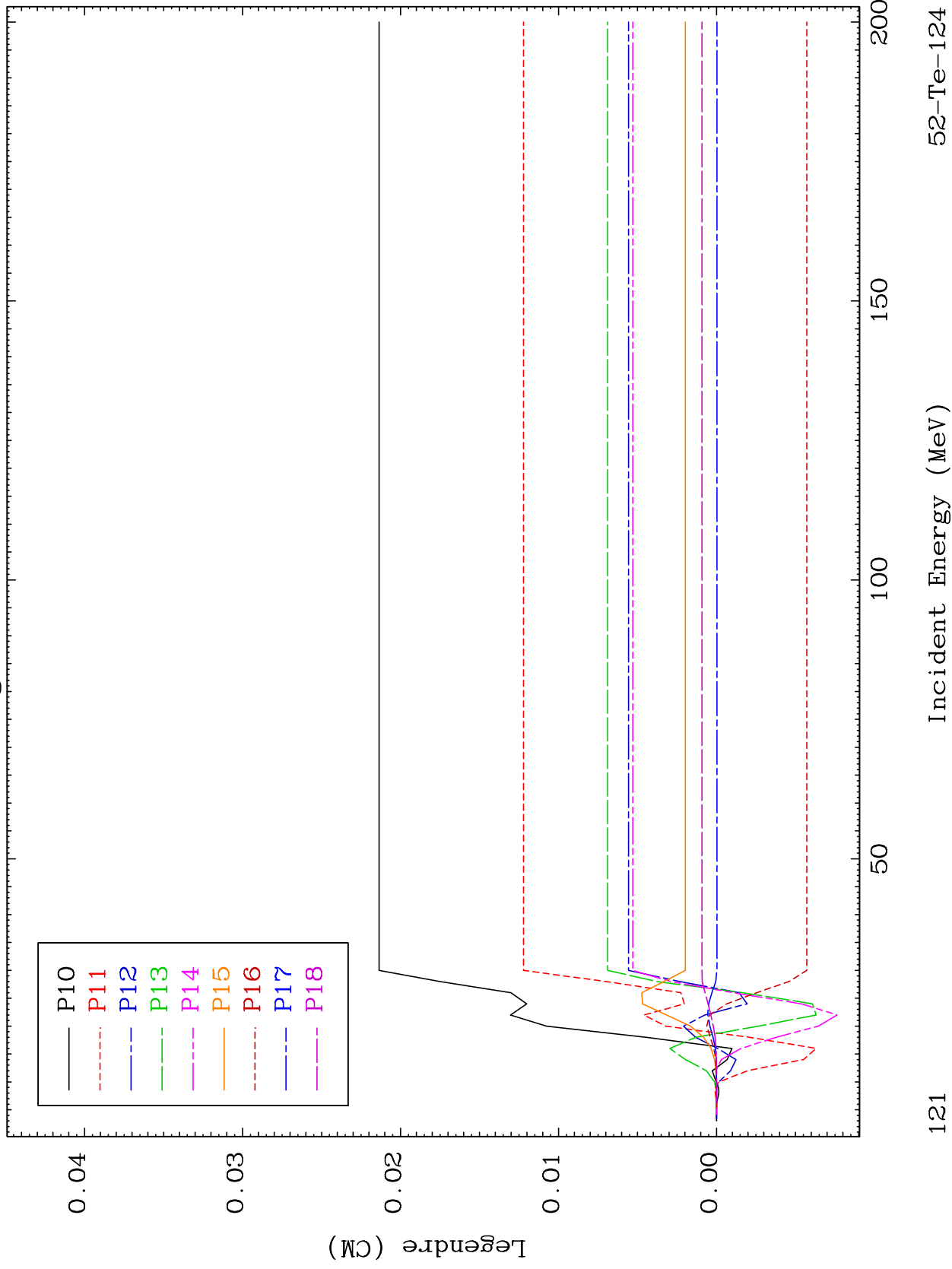
52-Te-124



MAT 5237

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

52-Te-124



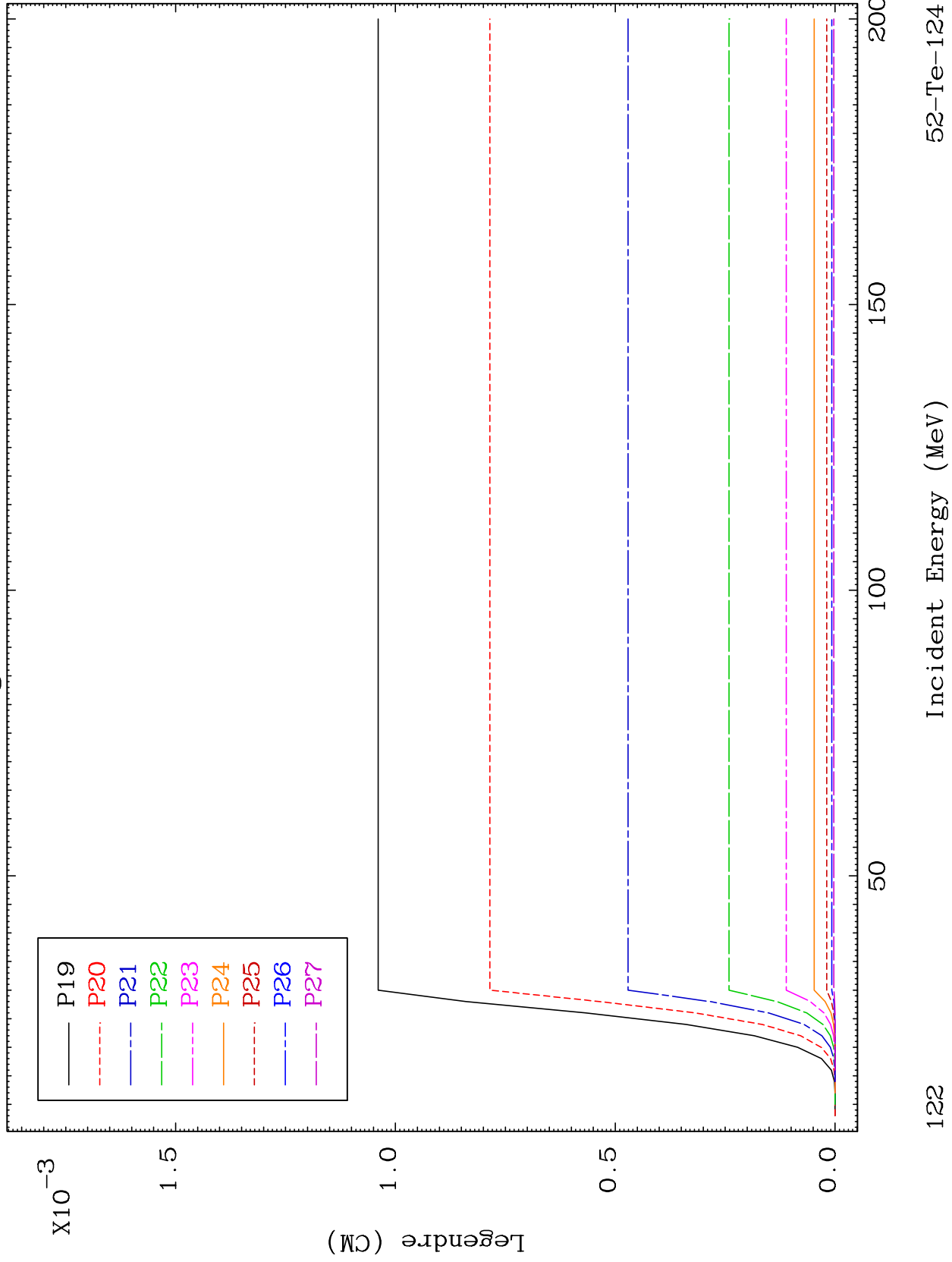
121

52-Te-124

MAT 5237

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

52-Te-124

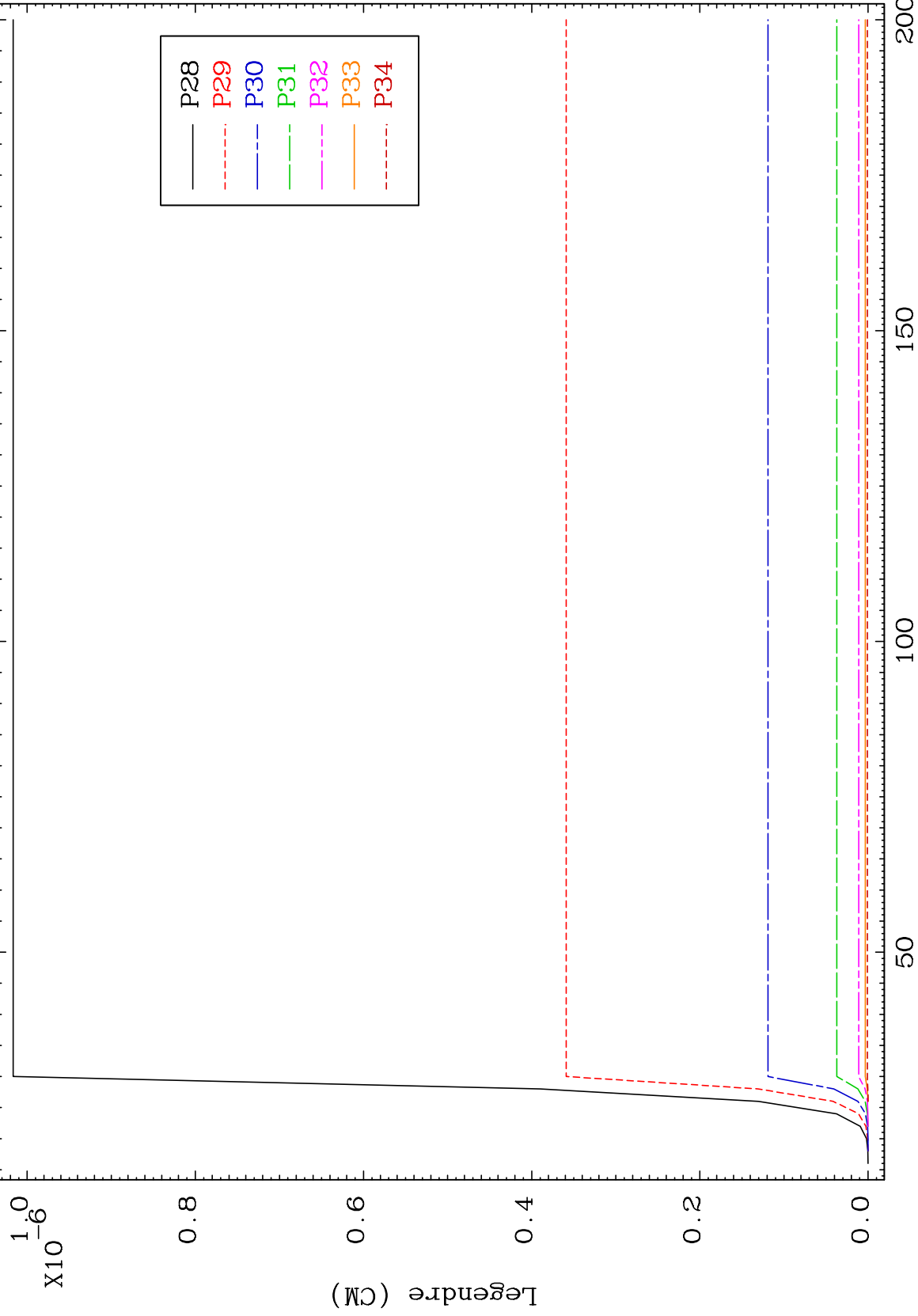


122

MAT 5237

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

52-Te-124



123

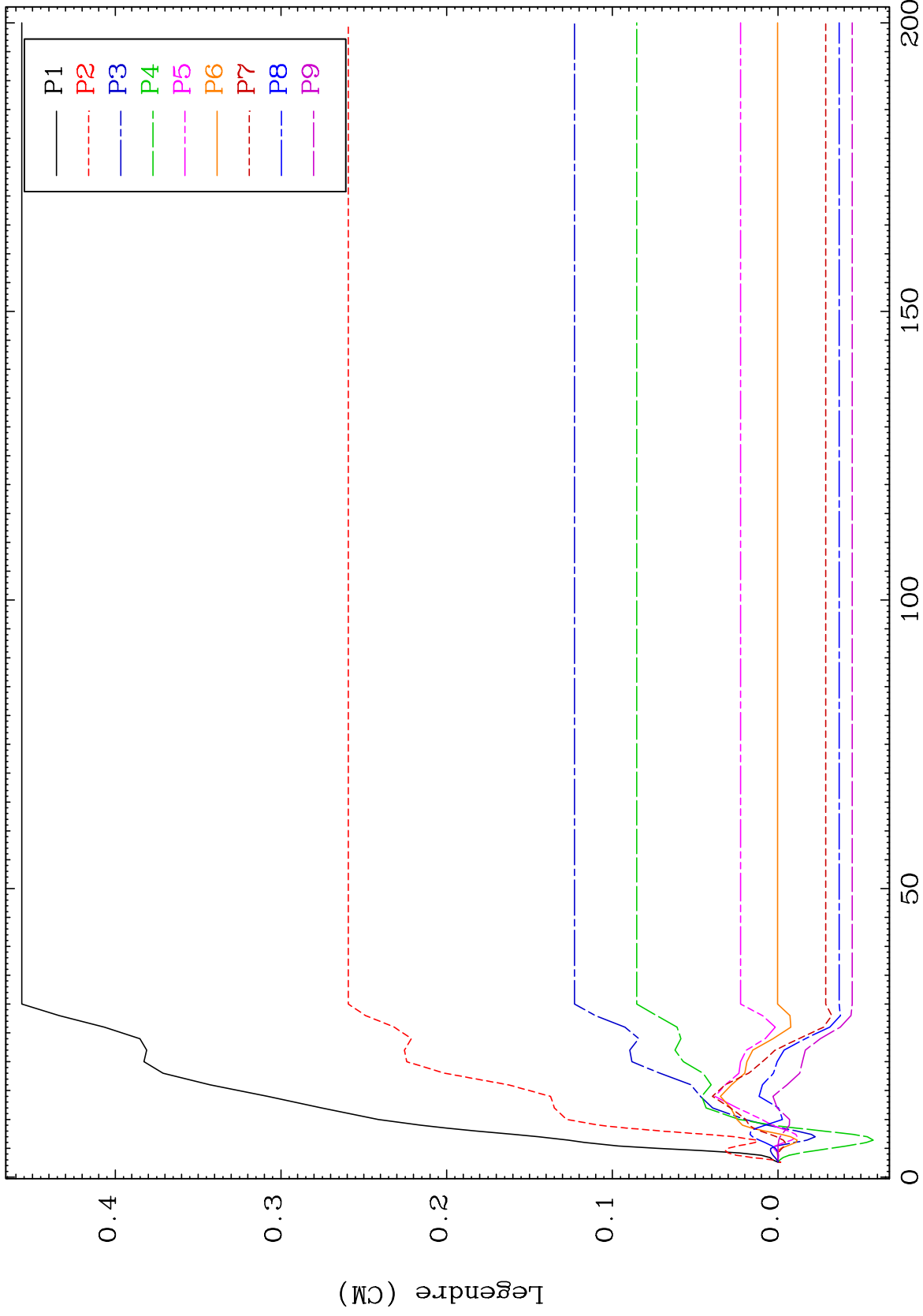
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



124

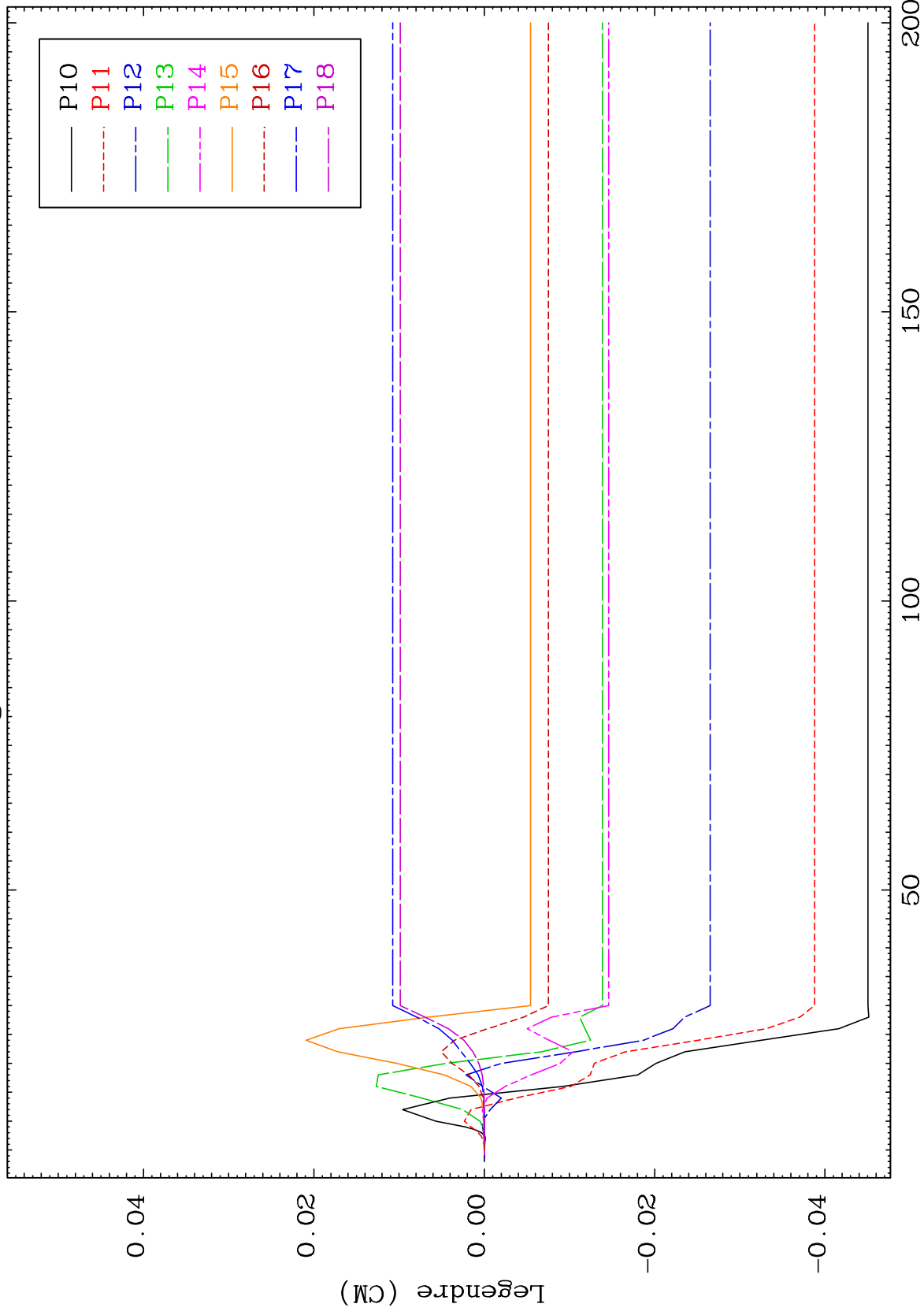
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



125

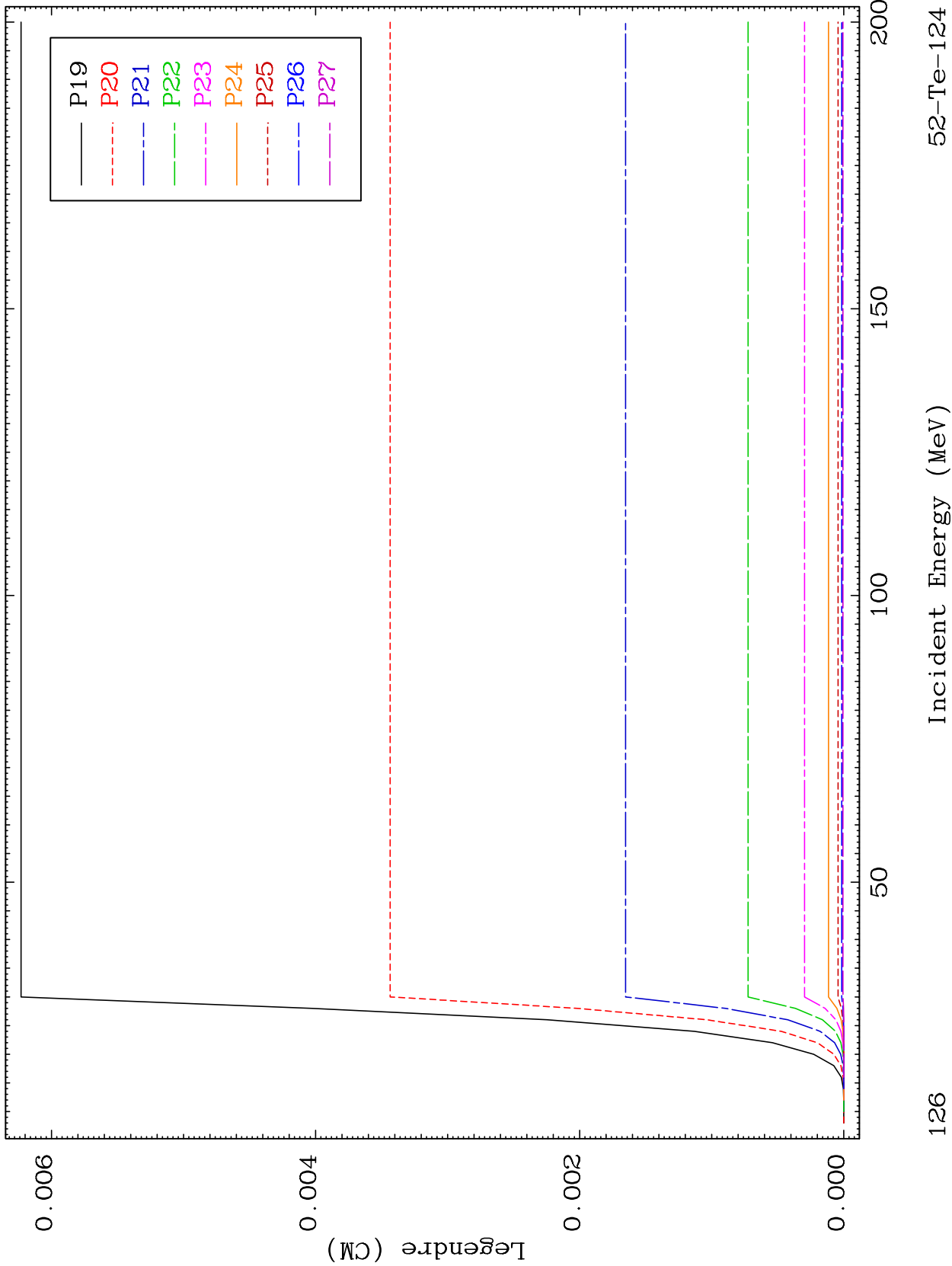
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



126

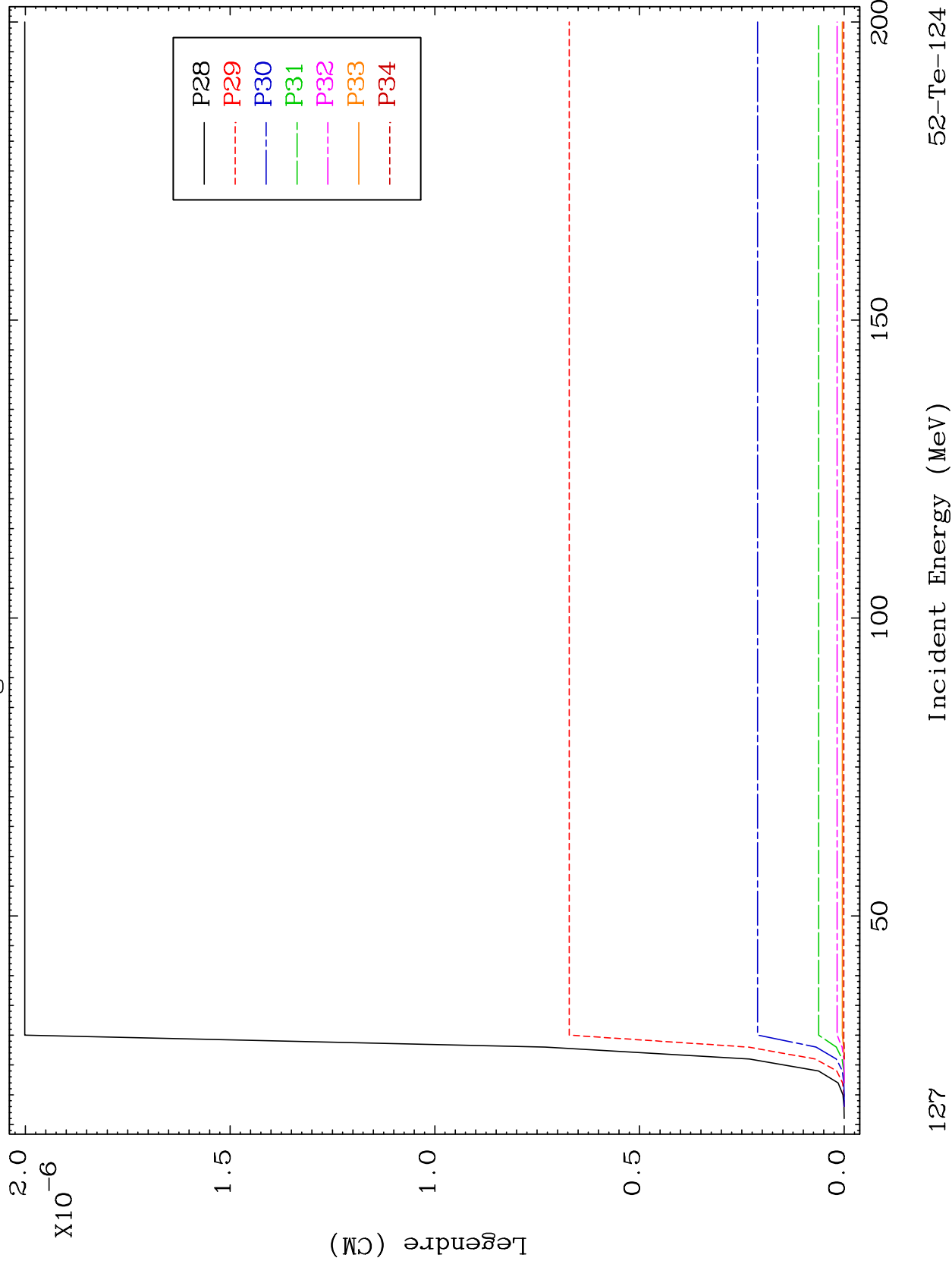
Incident Energy (MeV)

52-Te-124

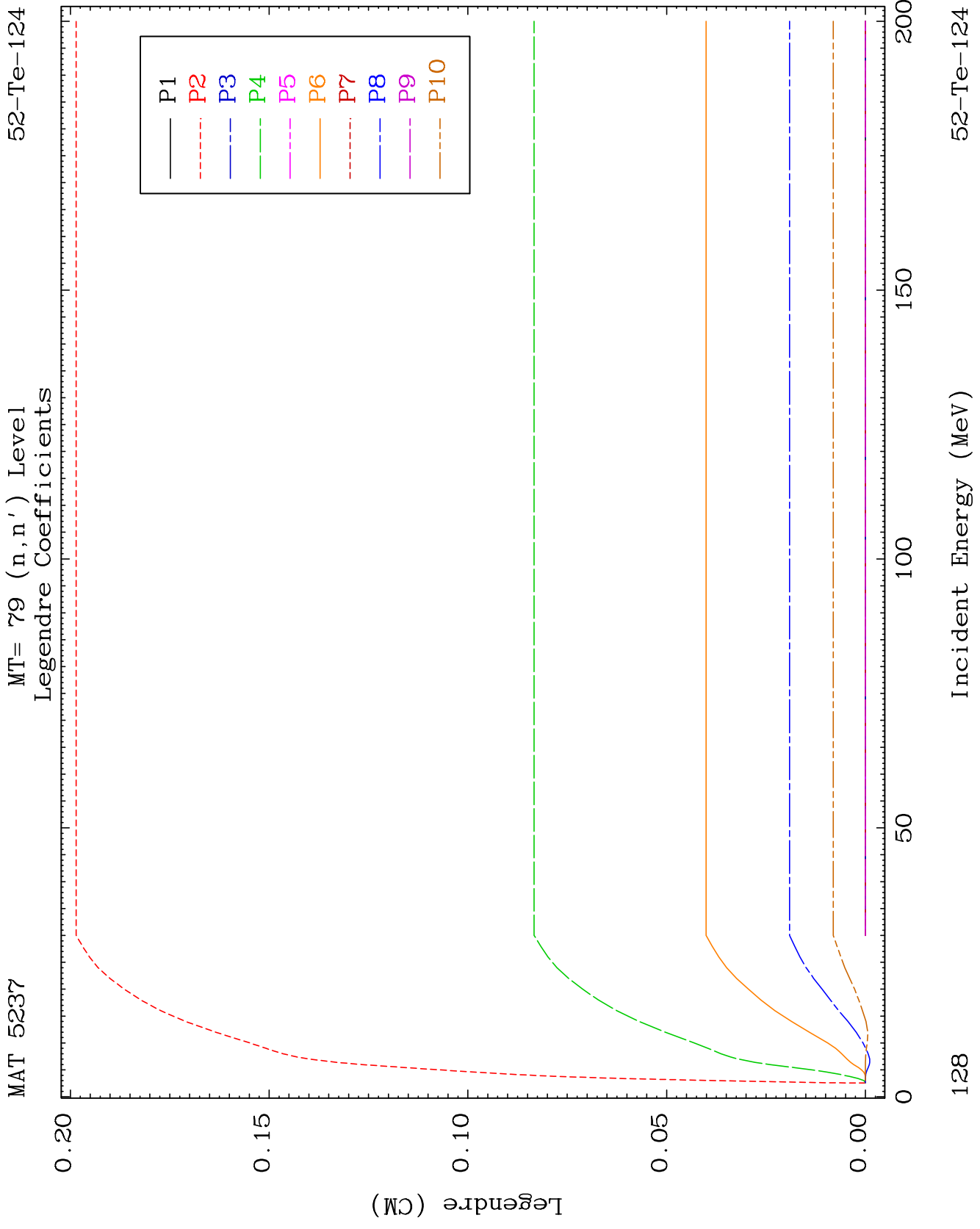
MAT 5237

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

52-Te-124



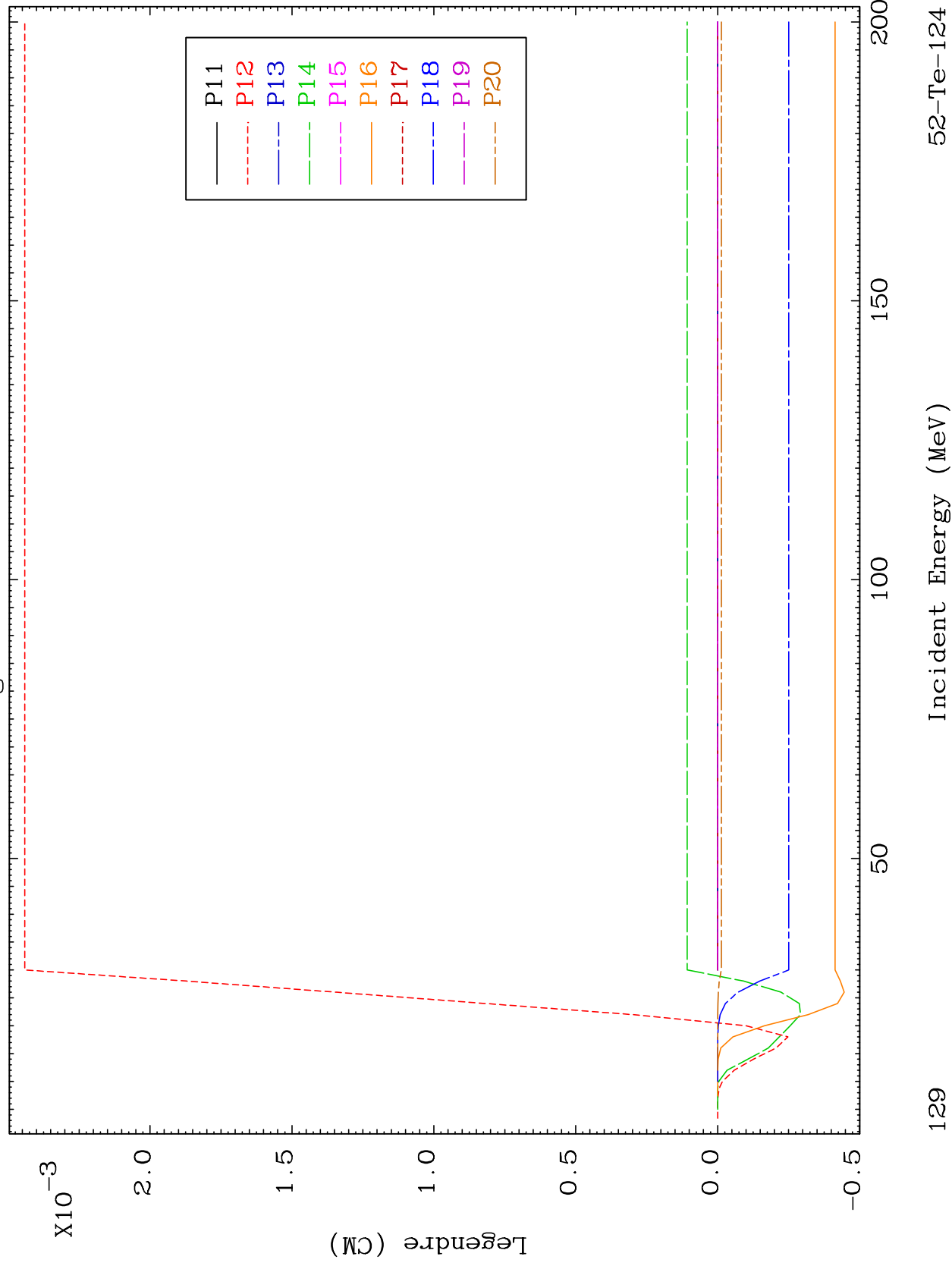




MAT 5237

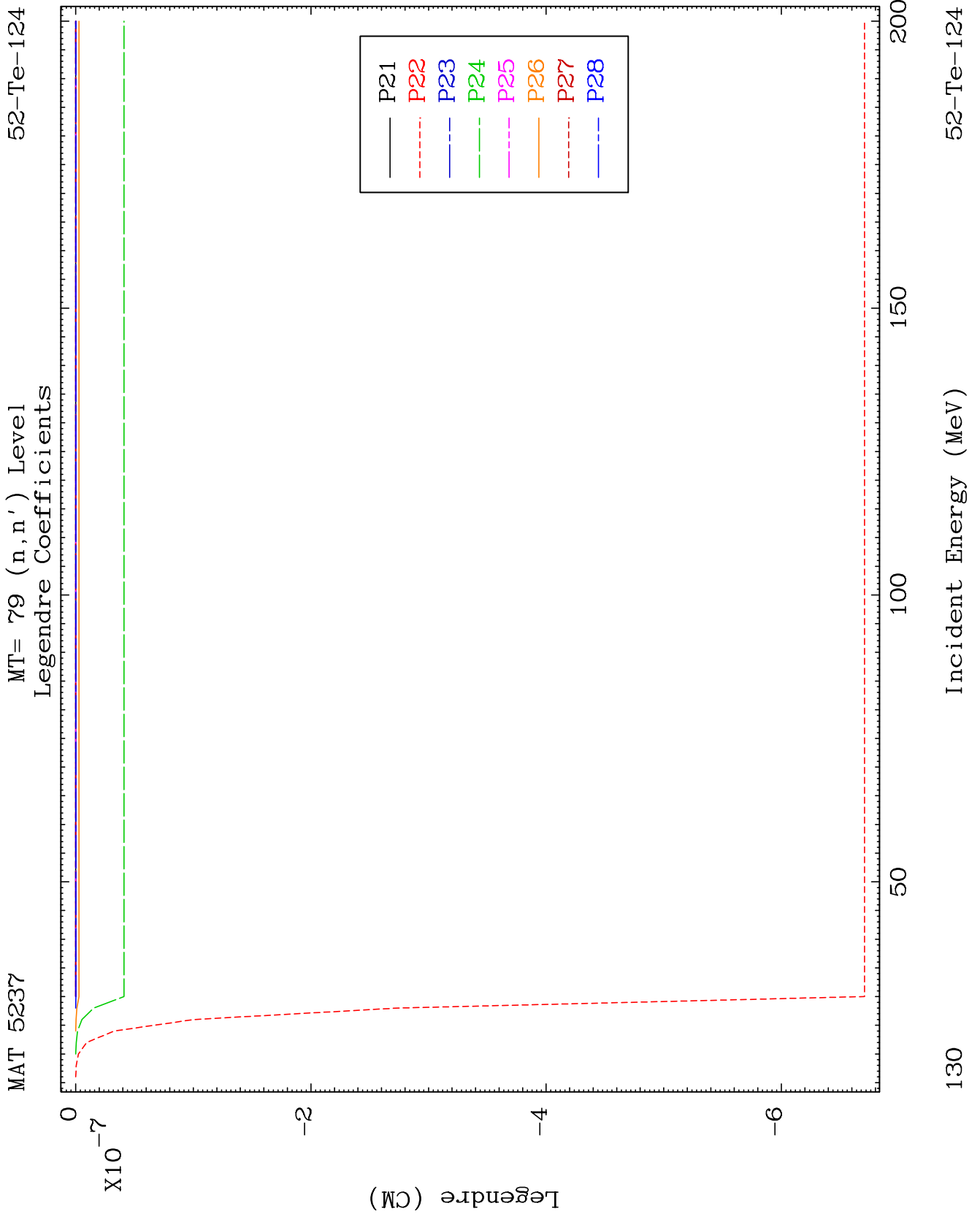
MT= 79 (n,n') Level  
Legendre Coefficients

52-Te-124

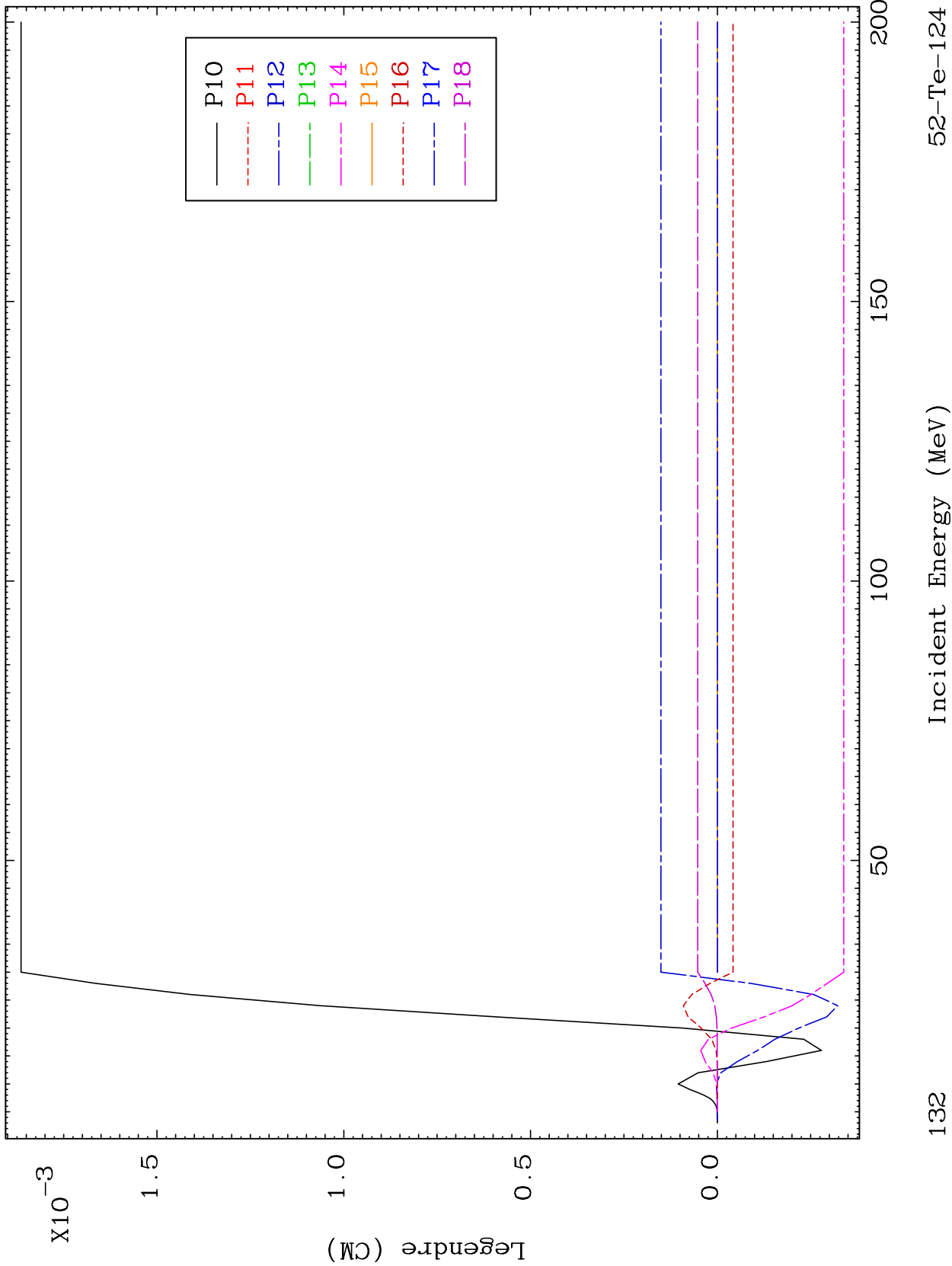


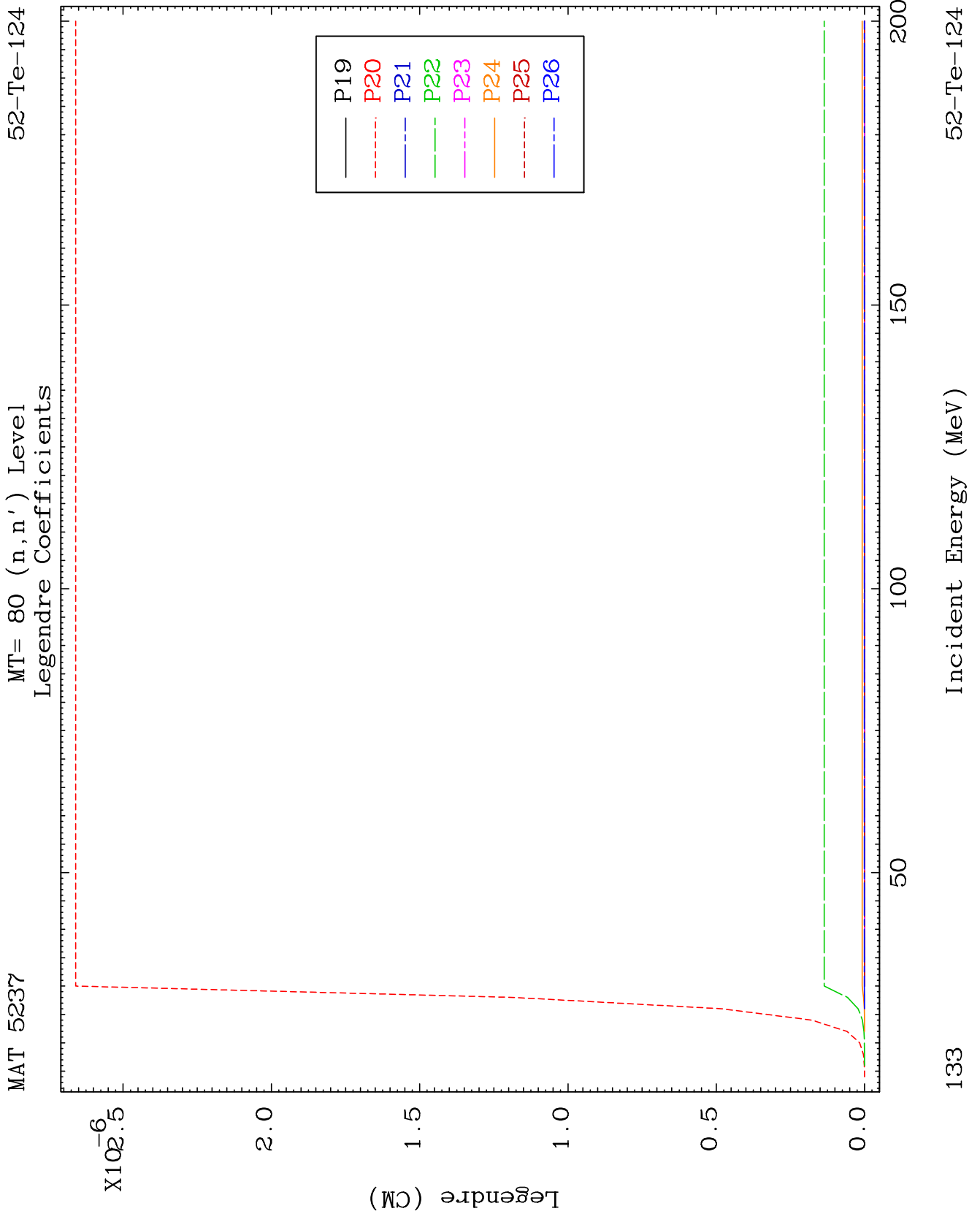
129

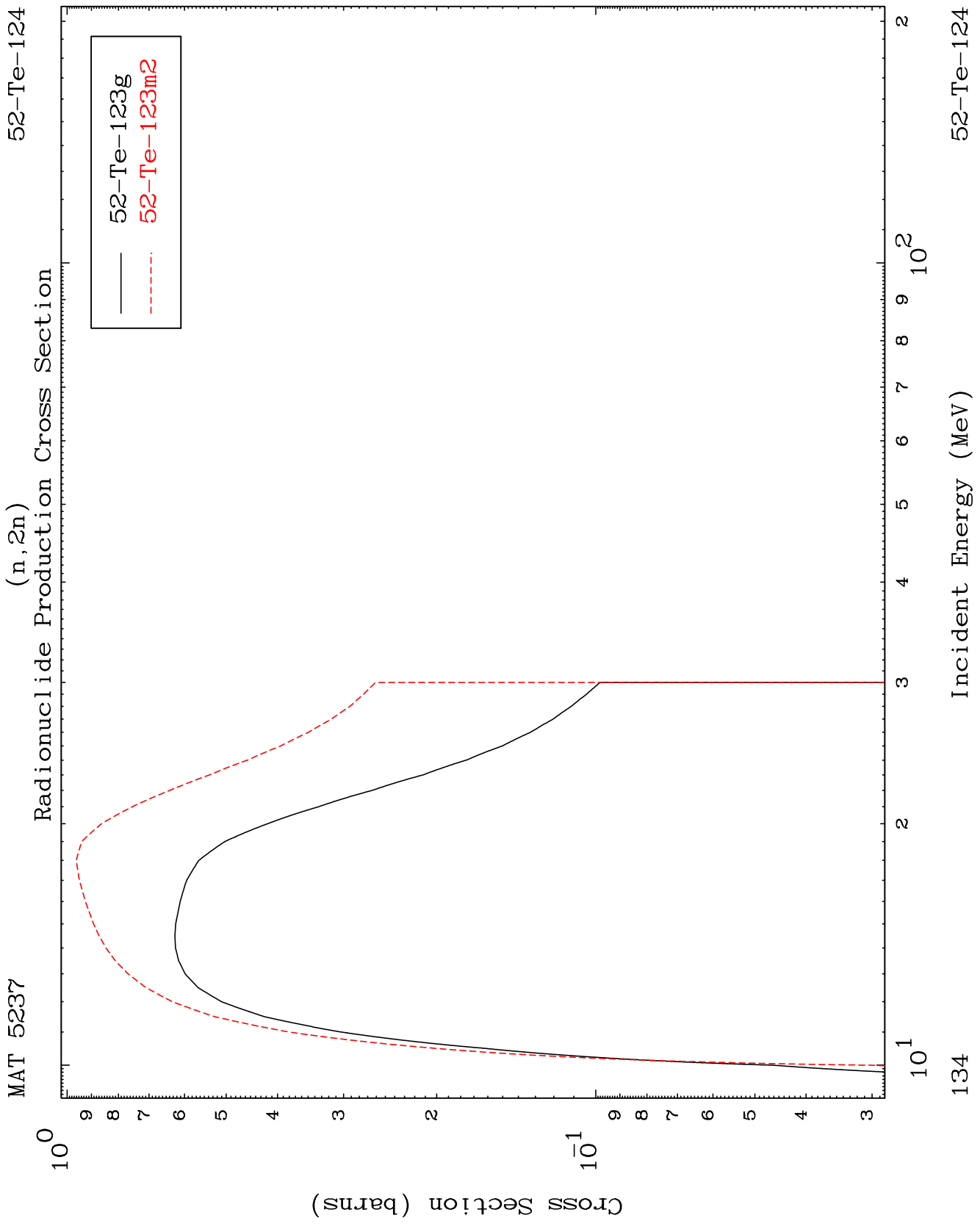
52-Te-124







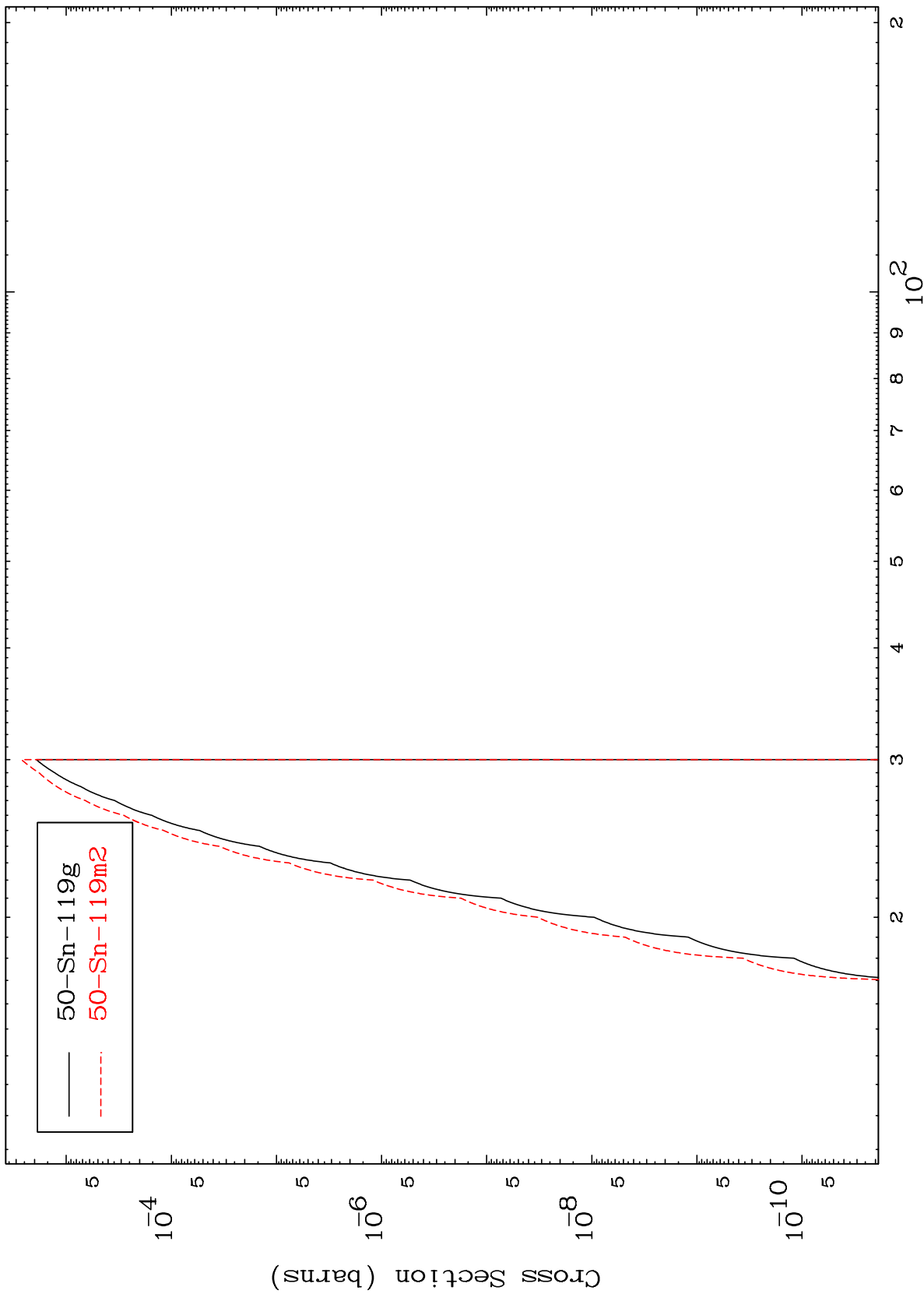




MAT 5237

52-Te-124

(n,2n)  $\alpha$   
Radionuclide Production Cross Section



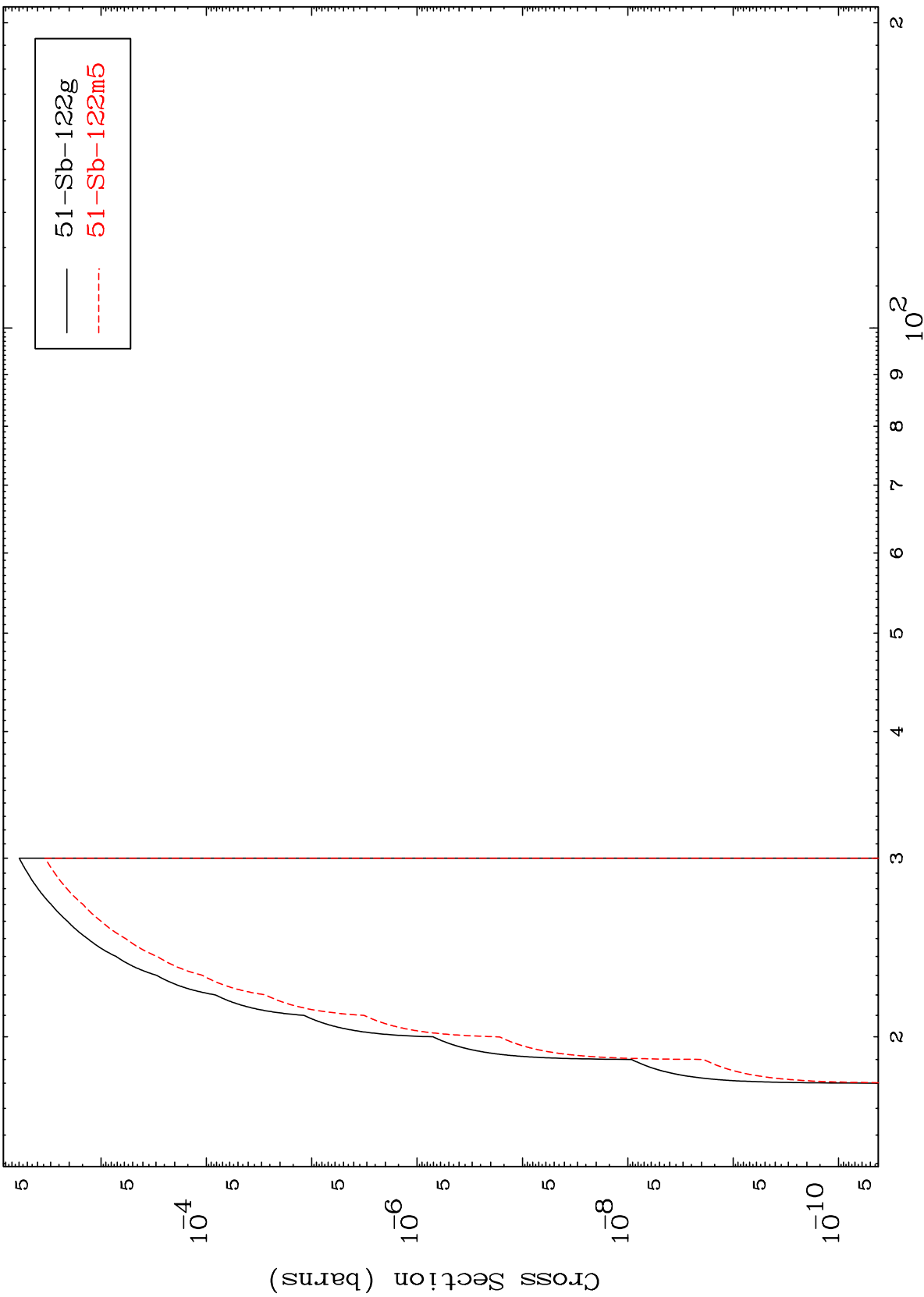
135

Incident Energy (MeV)

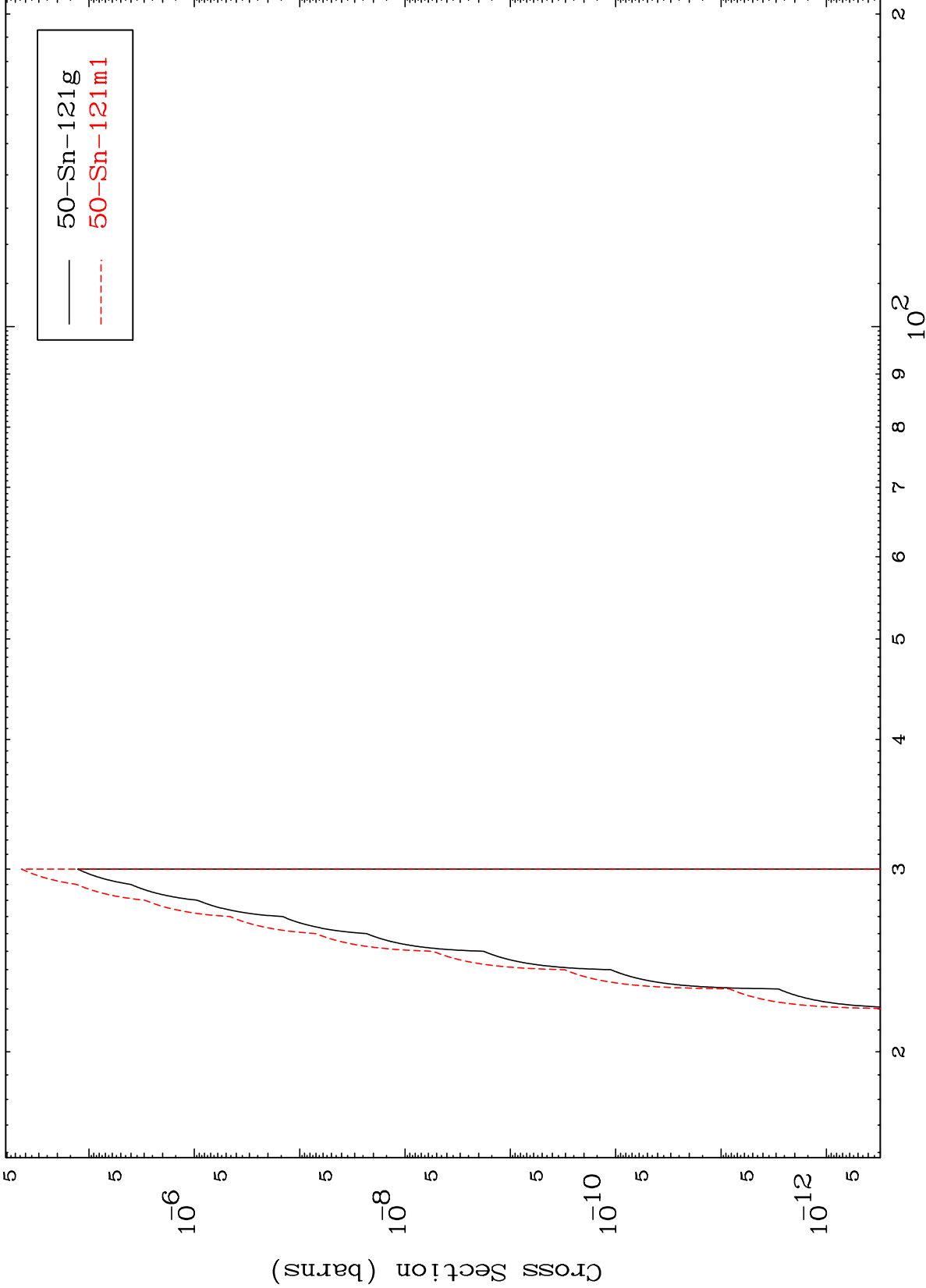
52-Te-124



Radionuclide Production Cross Section



Radionuclide Production Cross Section

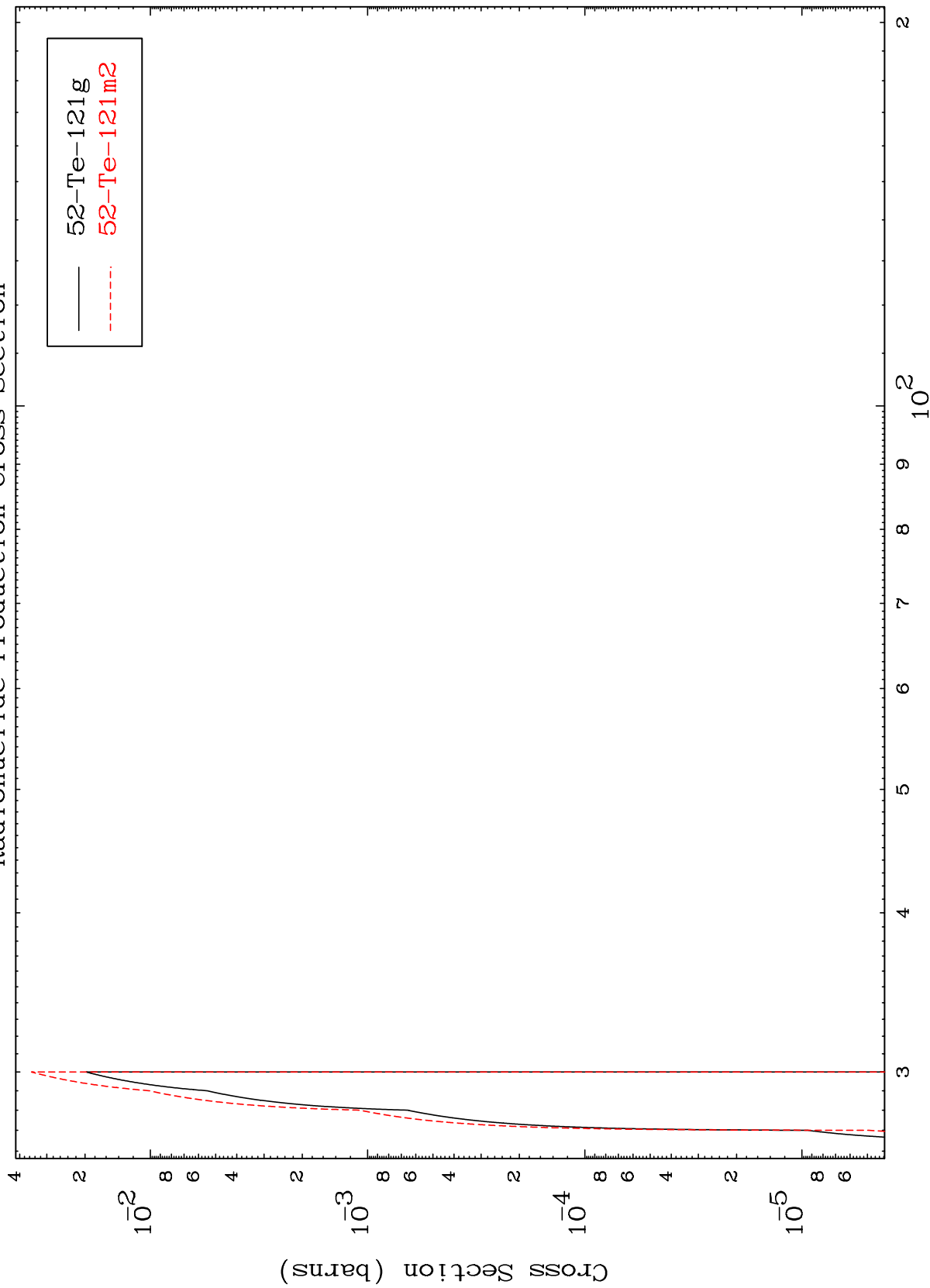


50-Sn-121g  
50-Sn-121m1

MAT 5237

52-Te-124

(n,4n)  
Radionuclide Production Cross Section

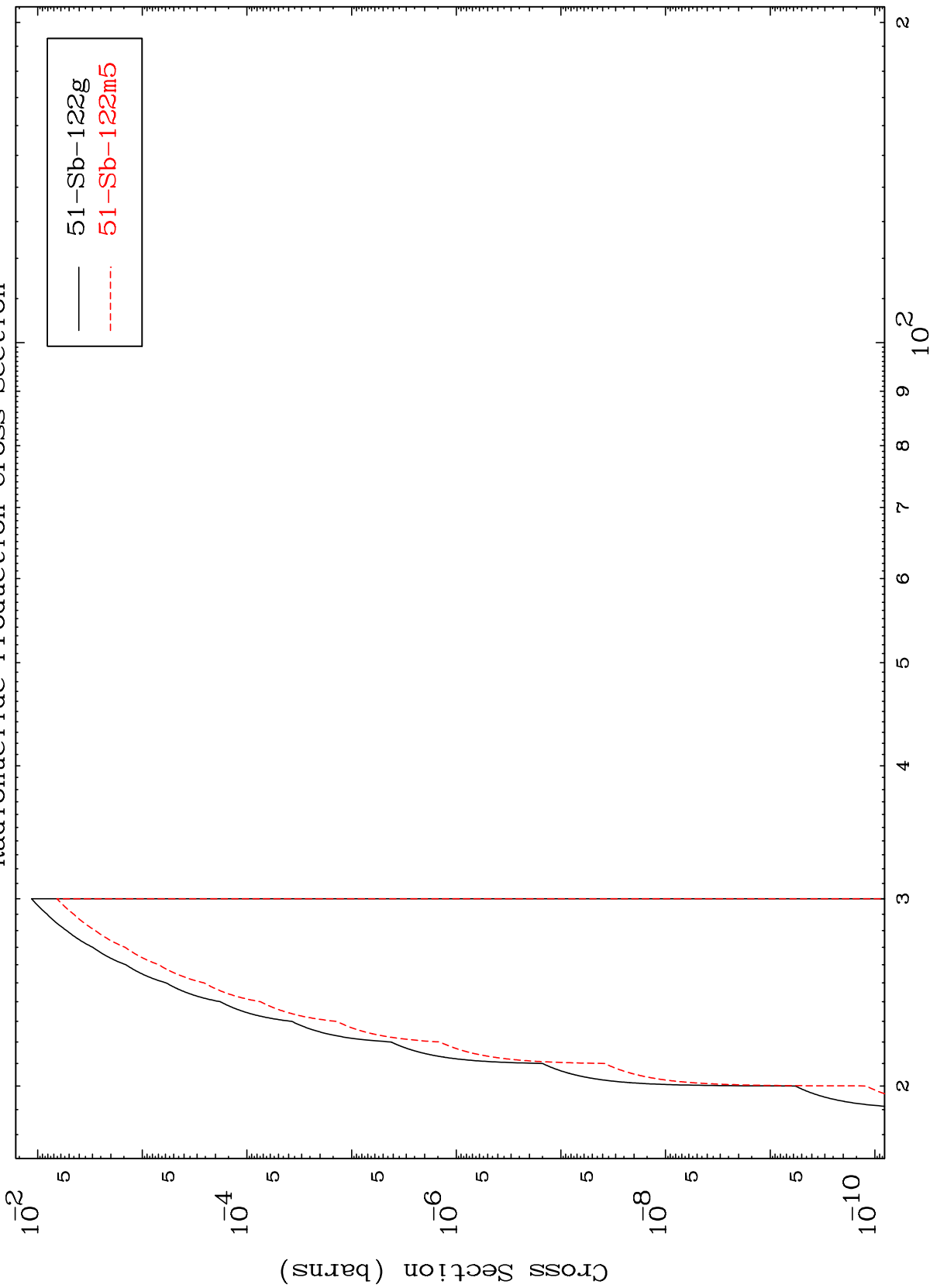


52-Te-124

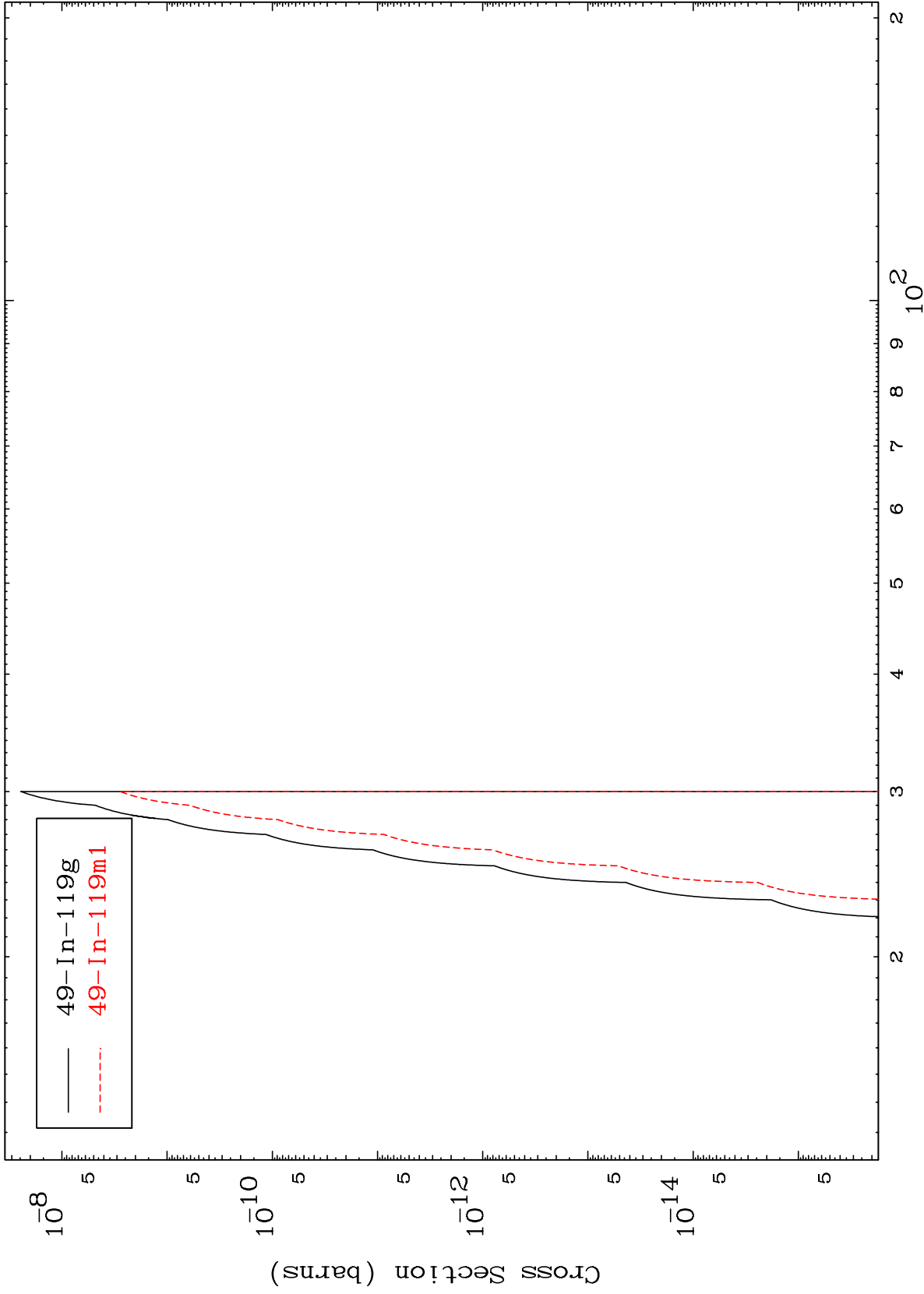
Incident Energy (MeV)

138

Radionuclide Production Cross Section



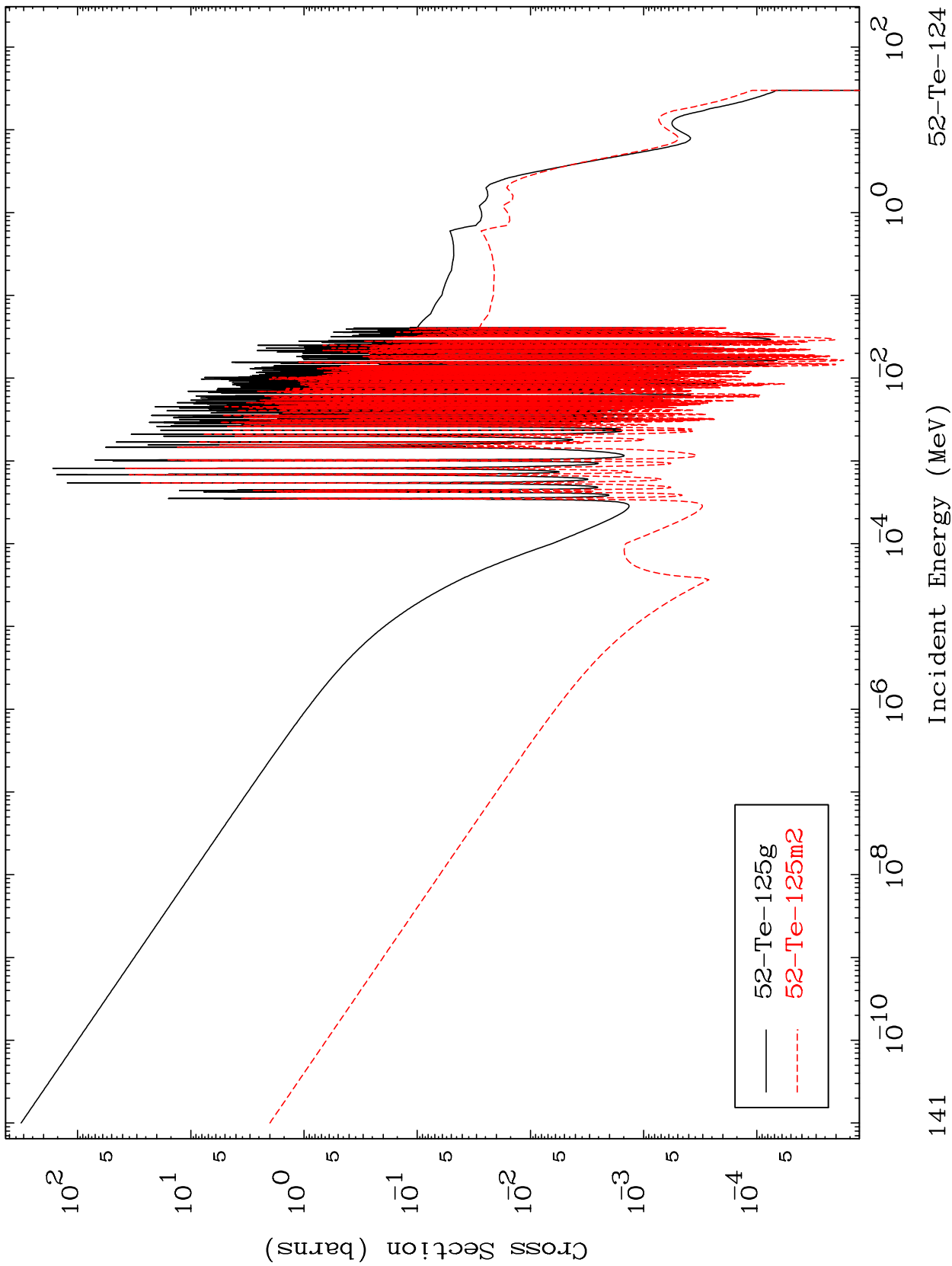
Radionuclide Production Cross Section



MAT 5237

52-Te-124

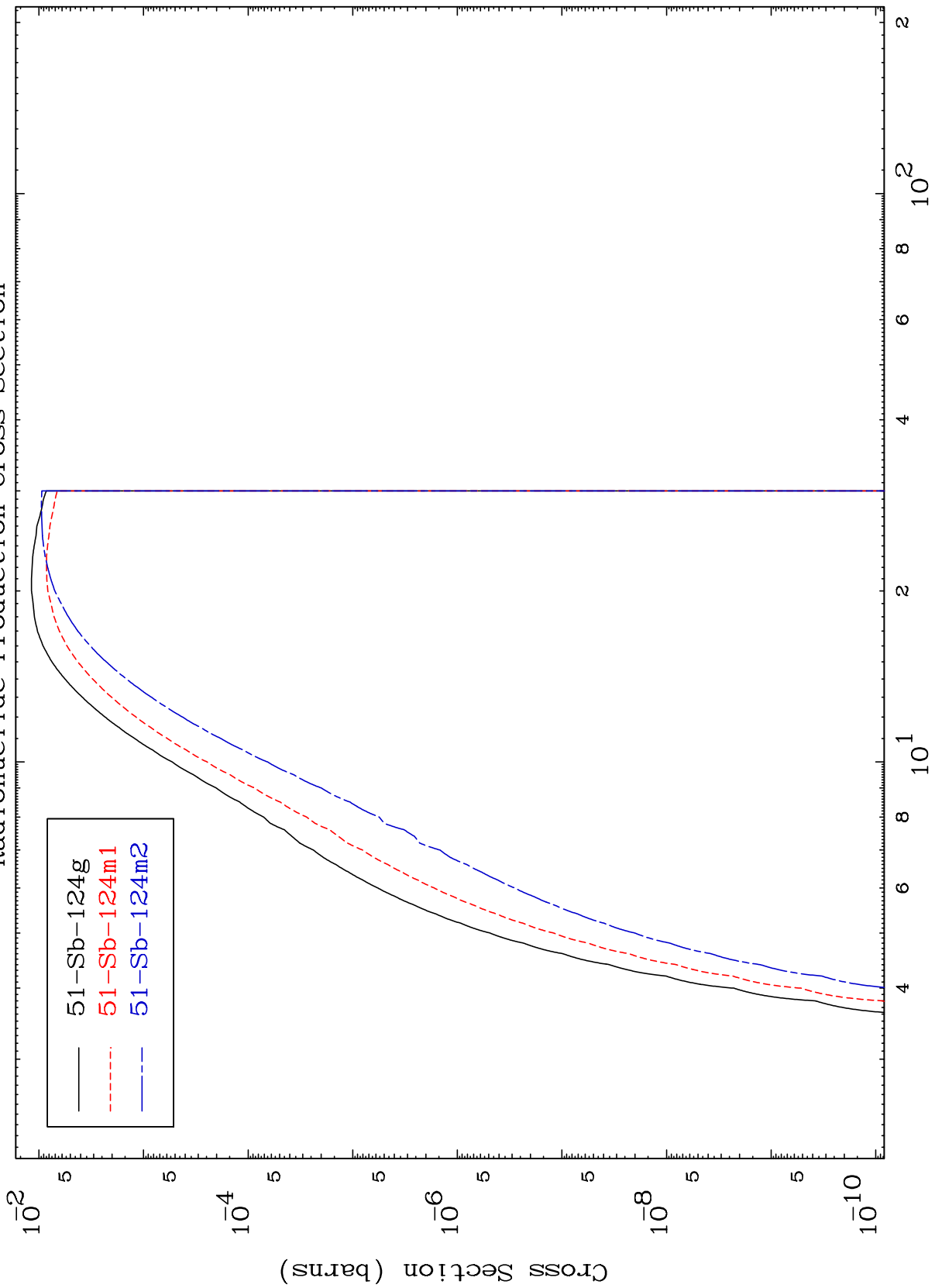
(n,  $\gamma$ )  
Radionuclide Production Cross Section



141

52-Te-124

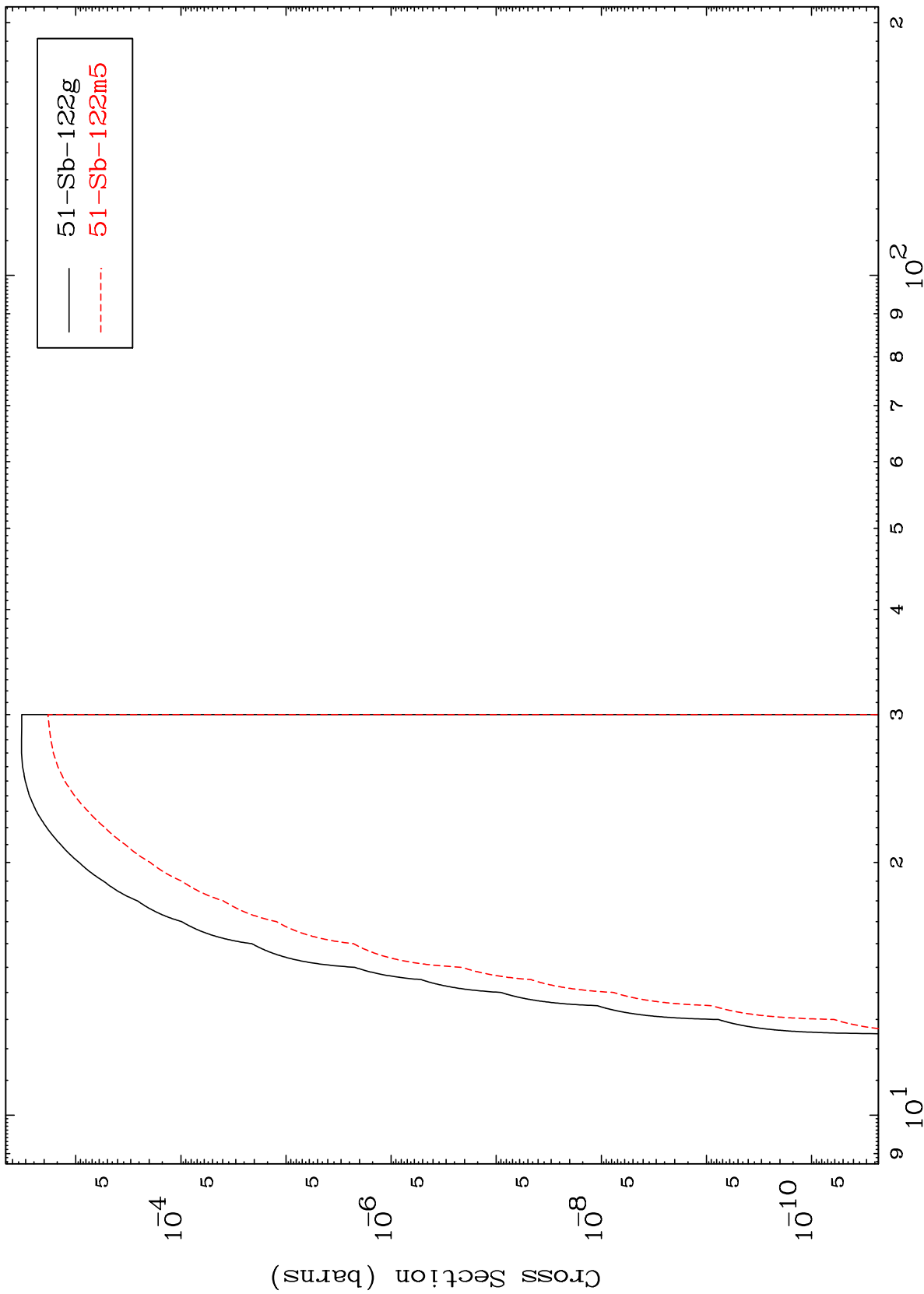
(n,p)  
Radionuclide Production Cross Section



MAT 5237

52-Te-124

(n,t)  
Radionuclide Production Cross Section



52-Te-124

Incident Energy (MeV)

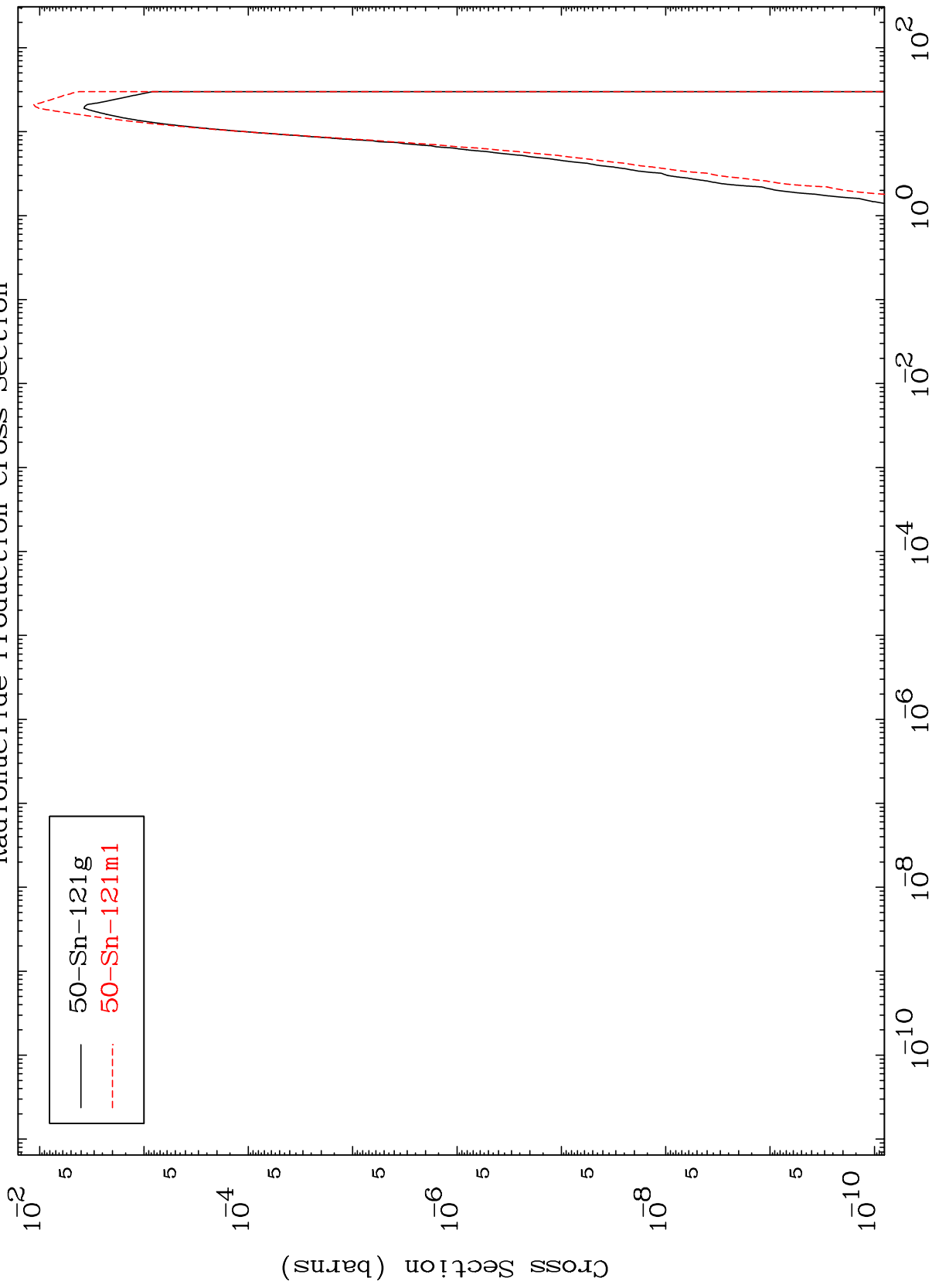
143



MAT 5237

52-Te-124

Radionuclide Production Cross Section



Incident Energy (MeV)

52-Te-124

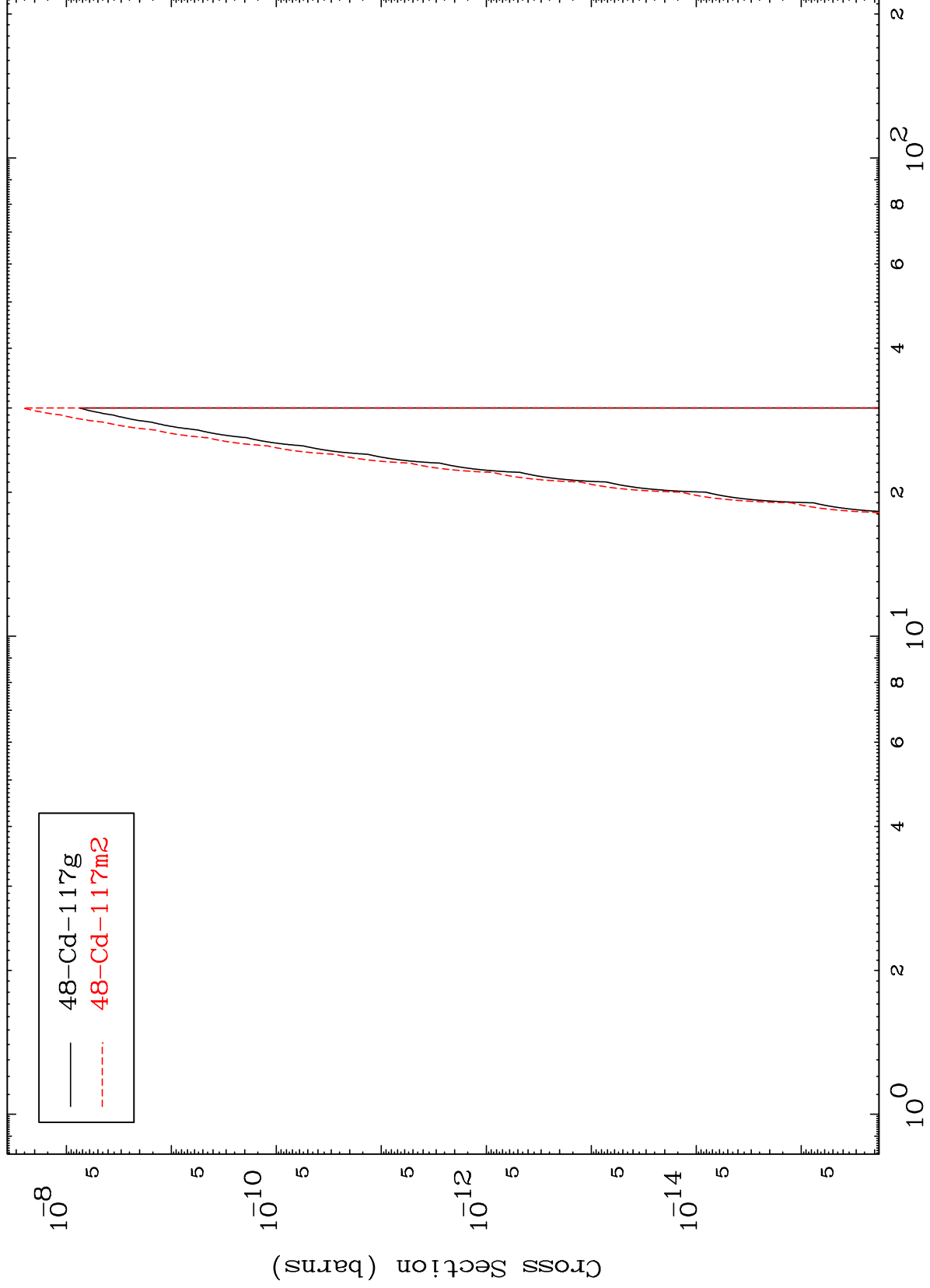
144

MAT 5237

(n,2α)

52-Te-124

Radionuclide Production Cross Section



145

Incident Energy (MeV)

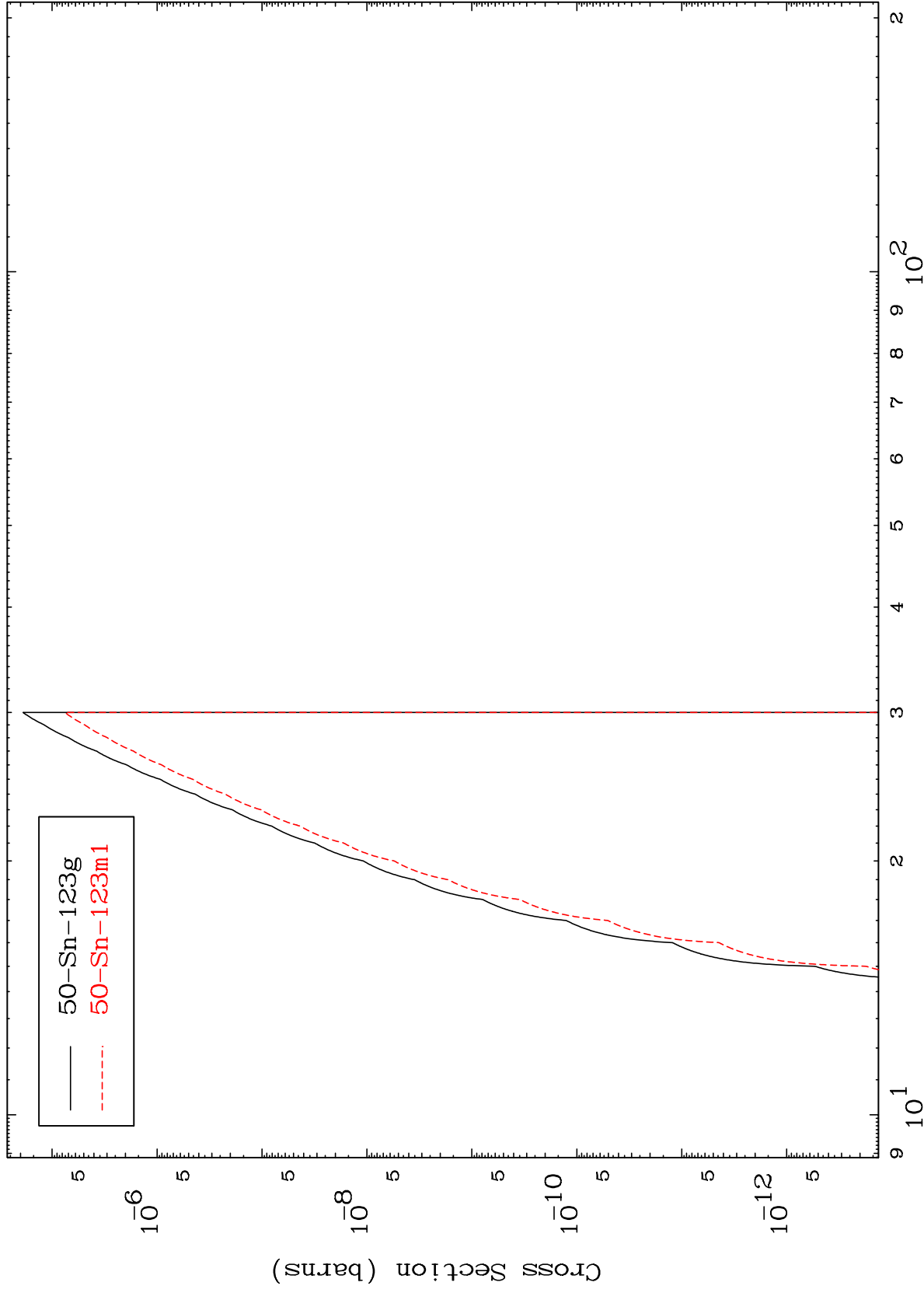
52-Te-124

MAT 5237

(n,2p)

52-Te-124

Radionuclide Production Cross Section



146

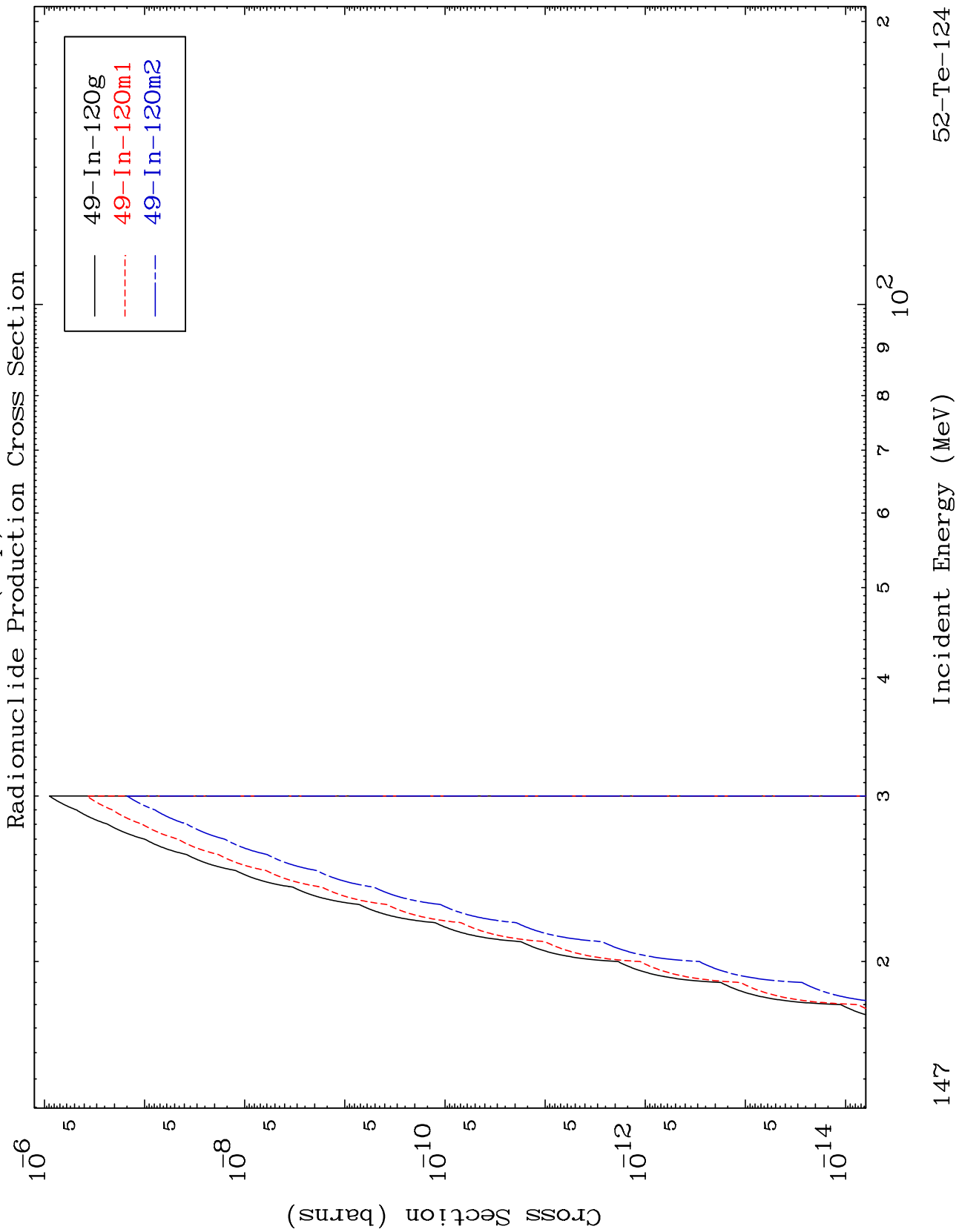
Incident Energy (MeV)

52-Te-124

MAT 5237

(n,p)  $\alpha$

52-Te-124



147

52-Te-124

Radionuclide Production Cross Section

