

Program EVALPLOT  
(Version 2021-1)

by

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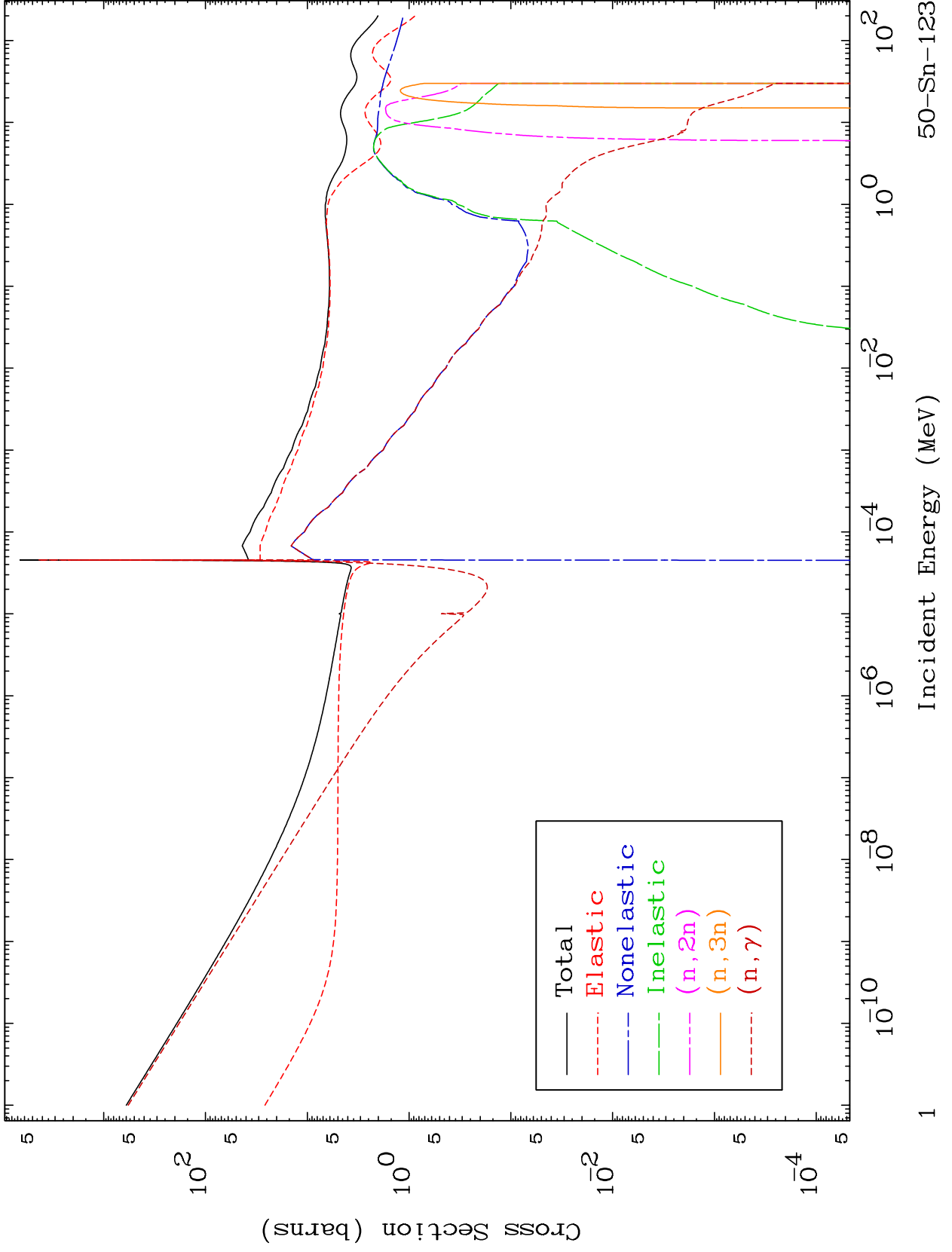
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Press Mouse Button to Start

MAT 5058

Neutron Major  
293 Kelvin Cross Sections

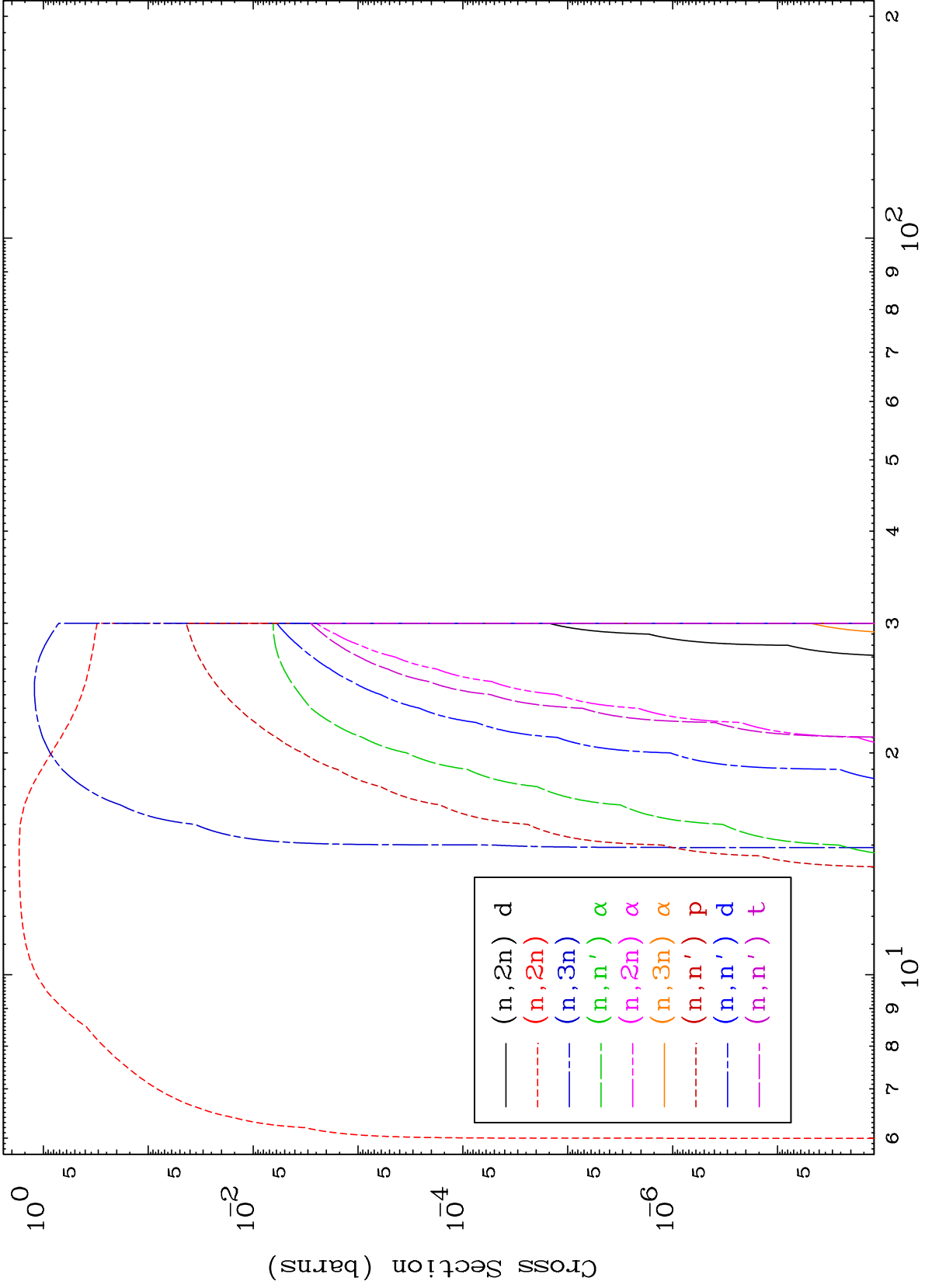
50-Sn-123



MAT 5058

Neutron Absorption  
293 Kelvin Cross Sections

50-Sn-123



2

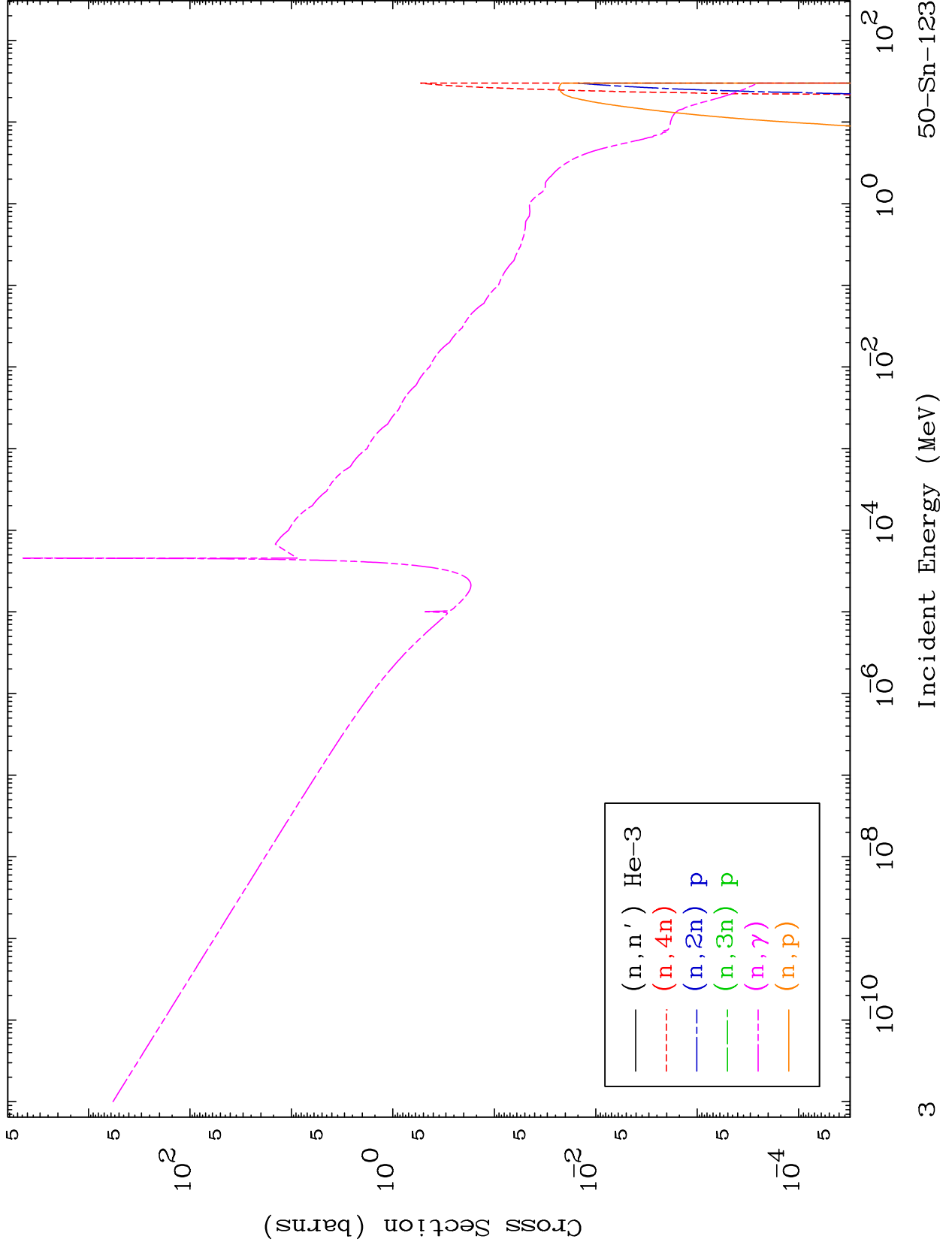
Incident Energy (MeV)

50-Sn-123

MAT 5058

Neutron Absorption  
293 Kelvin Cross Sections

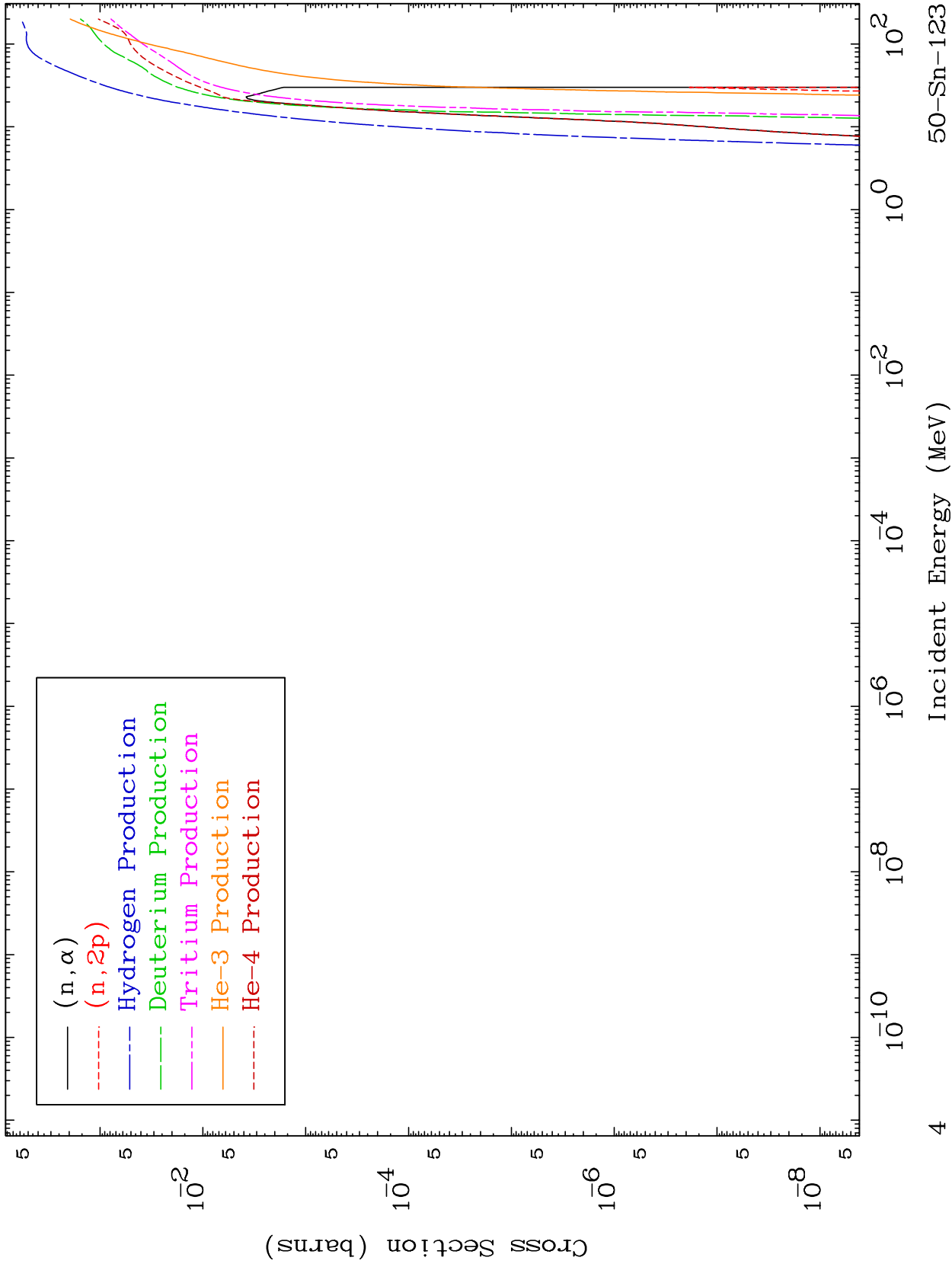
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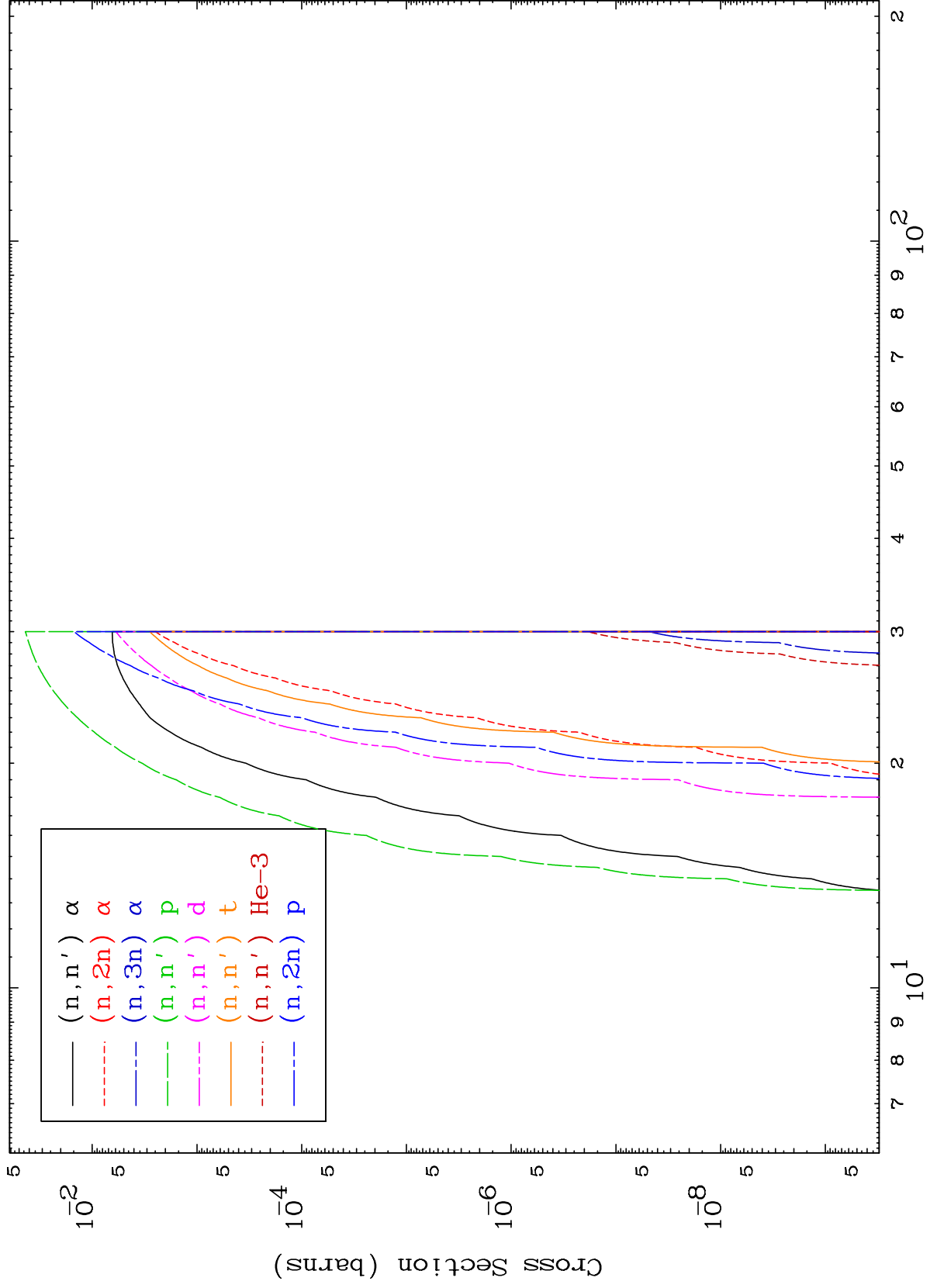


MAT 5058

Neutron Absorption  
293 Kelvin Cross Sections

50-Sn-123

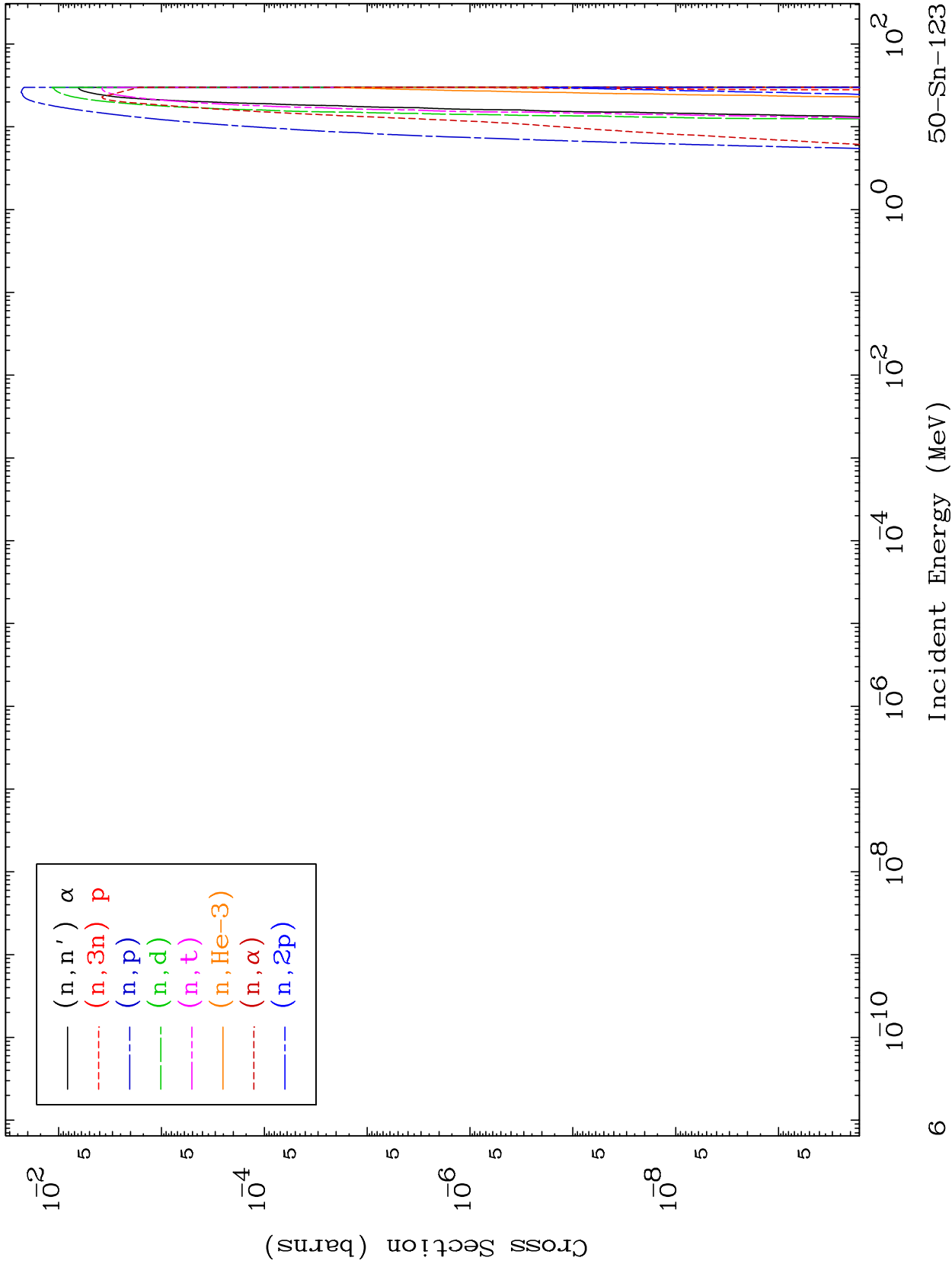




MAT 5058

Charged Particle  
293 Kelvin Cross Sections

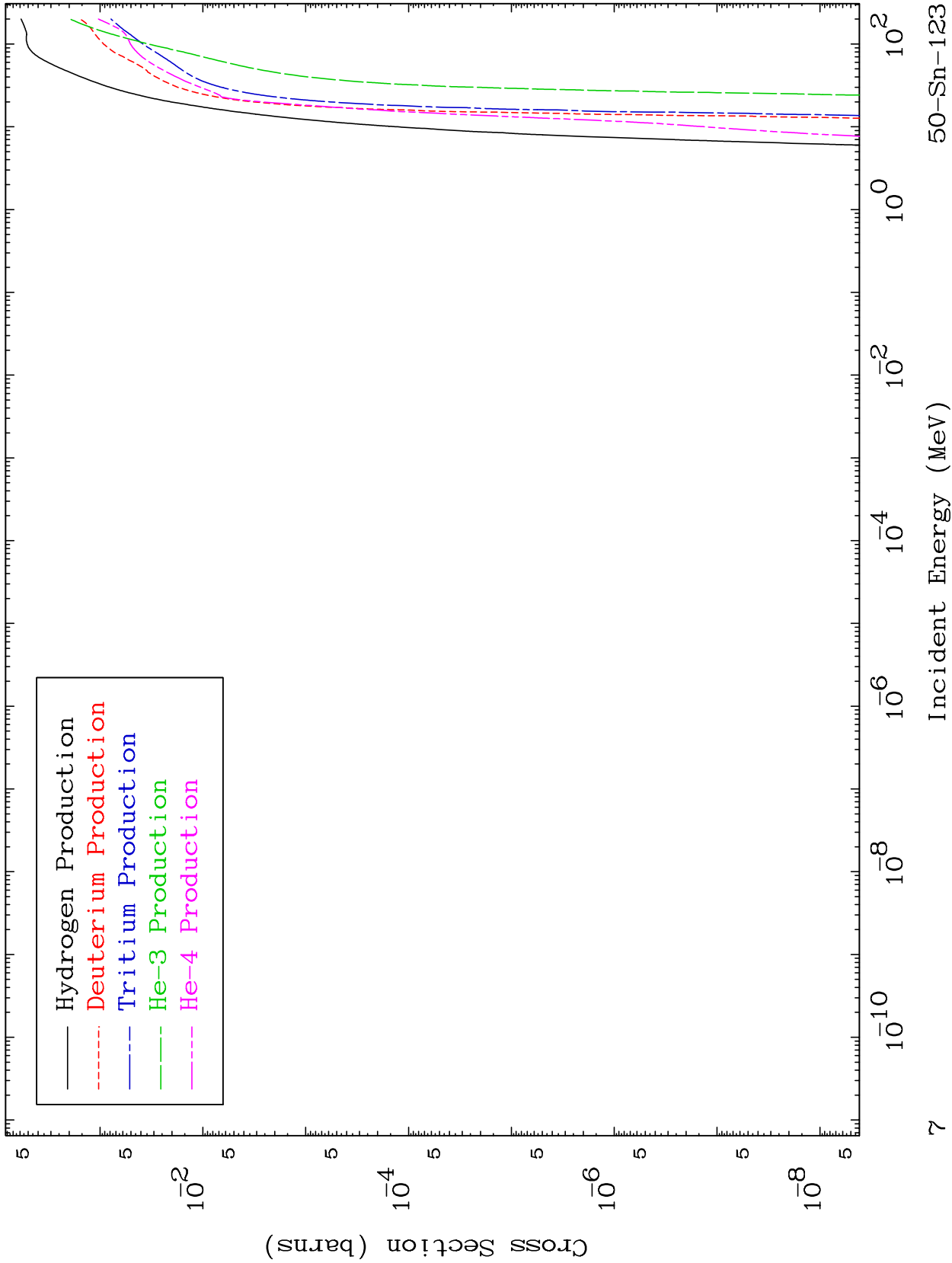
50-Sn-123



MAT 5058

Particle Production  
293 Kelvin Cross Sections

50-Sn-123

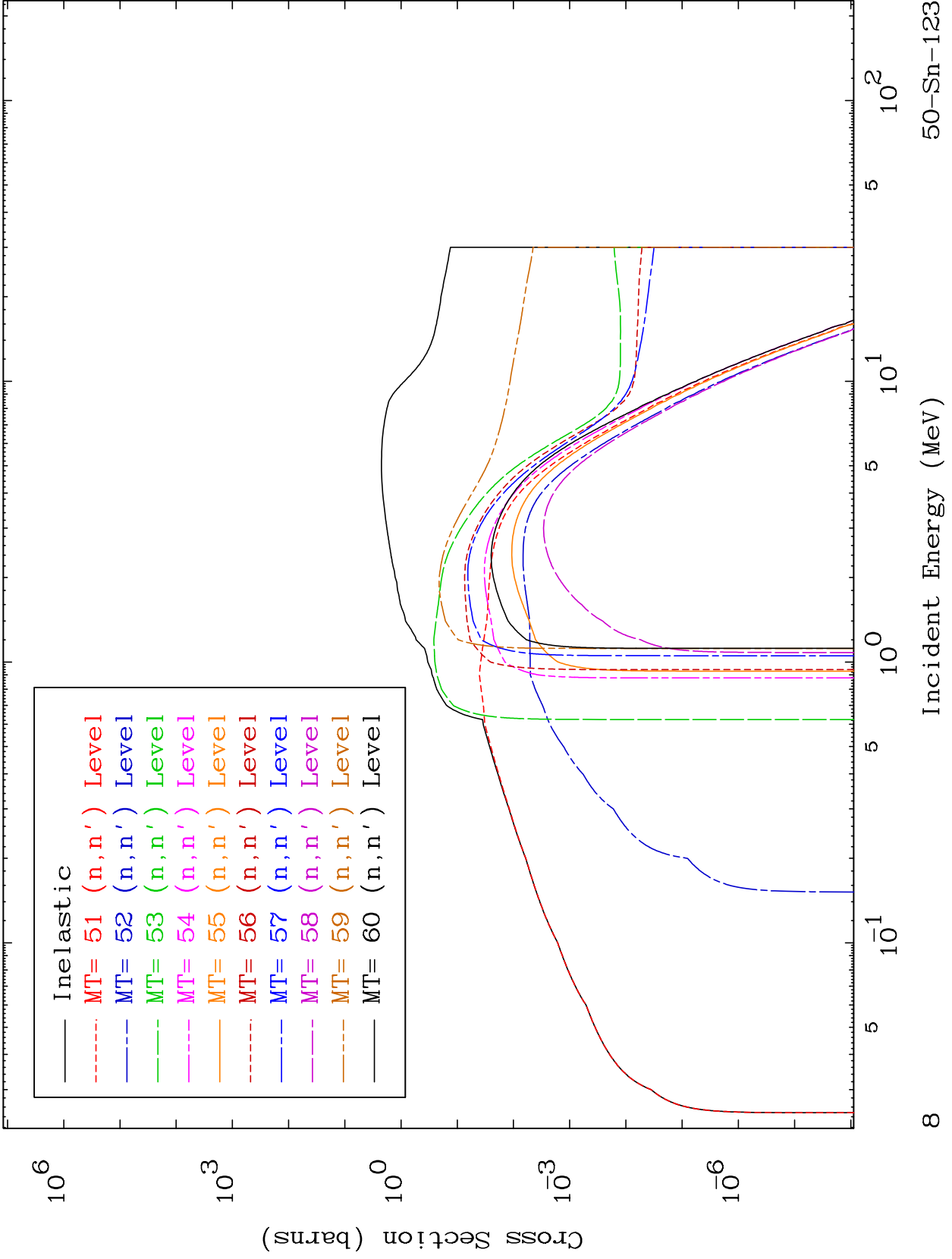




MAT 5058

(n,n') Levels  
293 Kelvin Cross Sections

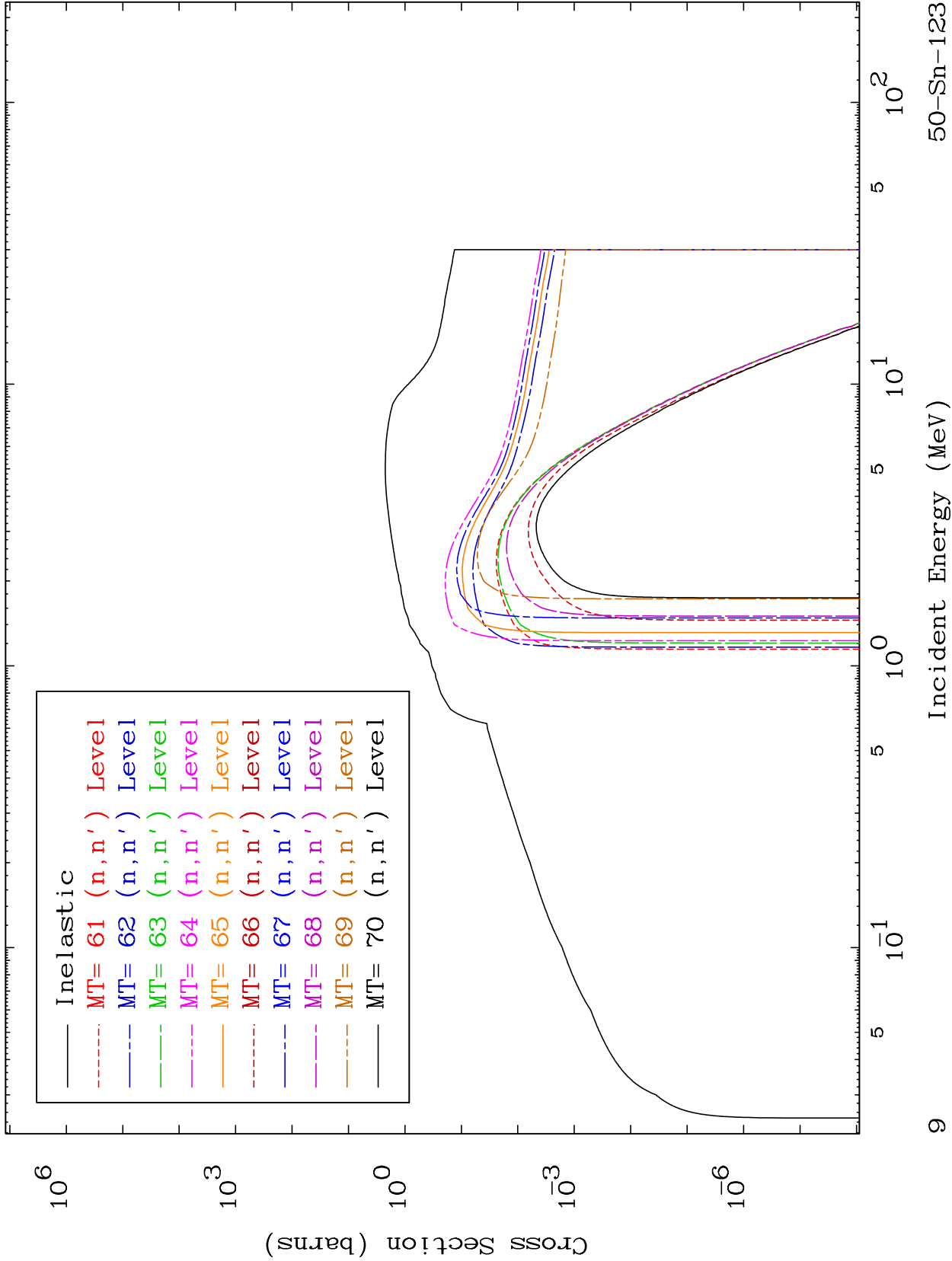
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MAT 5058

(n,n') Levels  
293 Kelvin Cross Sections

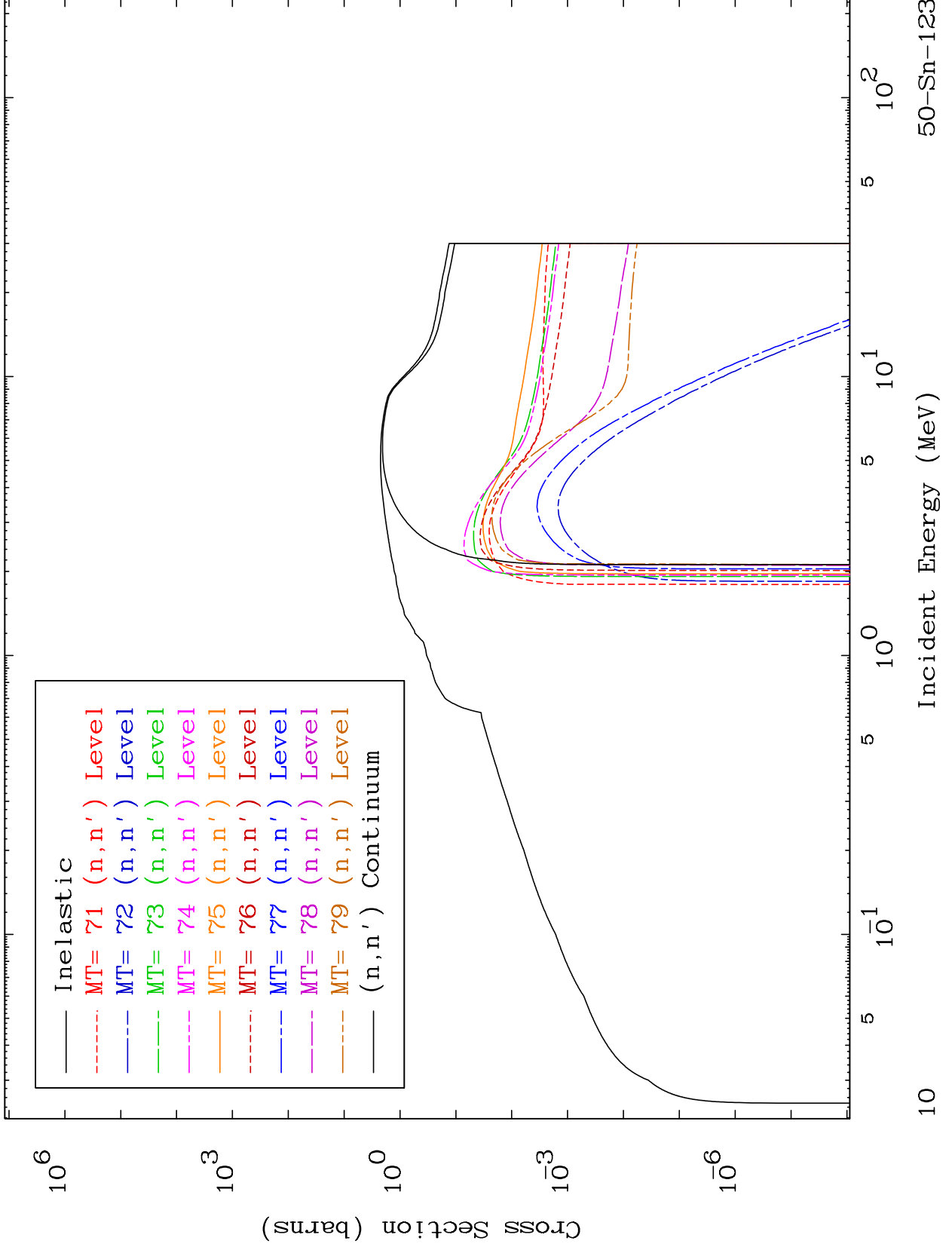
50-Sn-123



MAT 5058

293 Kelvin Cross Sections  
(n,n') Levels

50-Sn-123



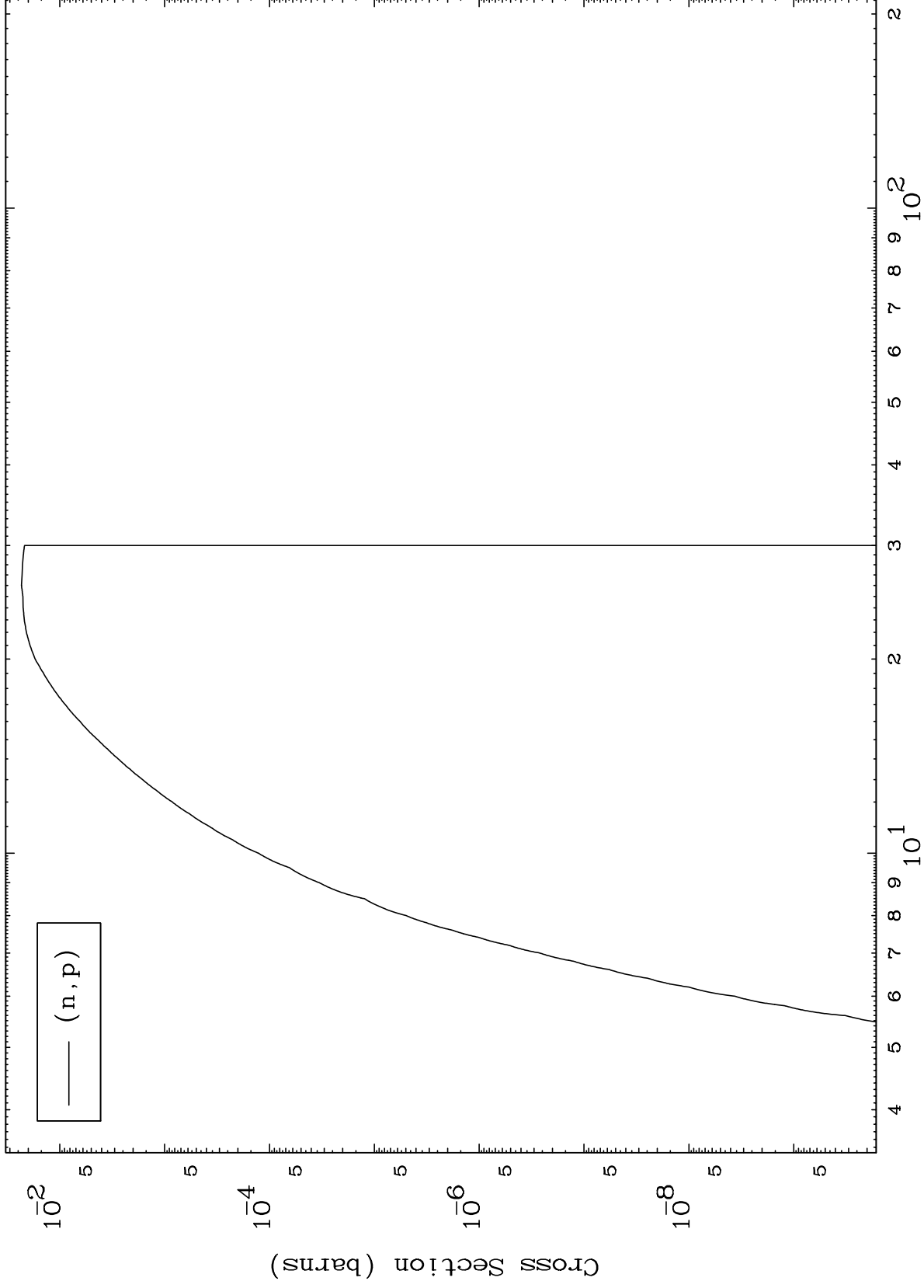
50-Sn-123

10

MAT 5058

(n,p) Levels  
293 Kelvin Cross Sections

50-Sn-123



11

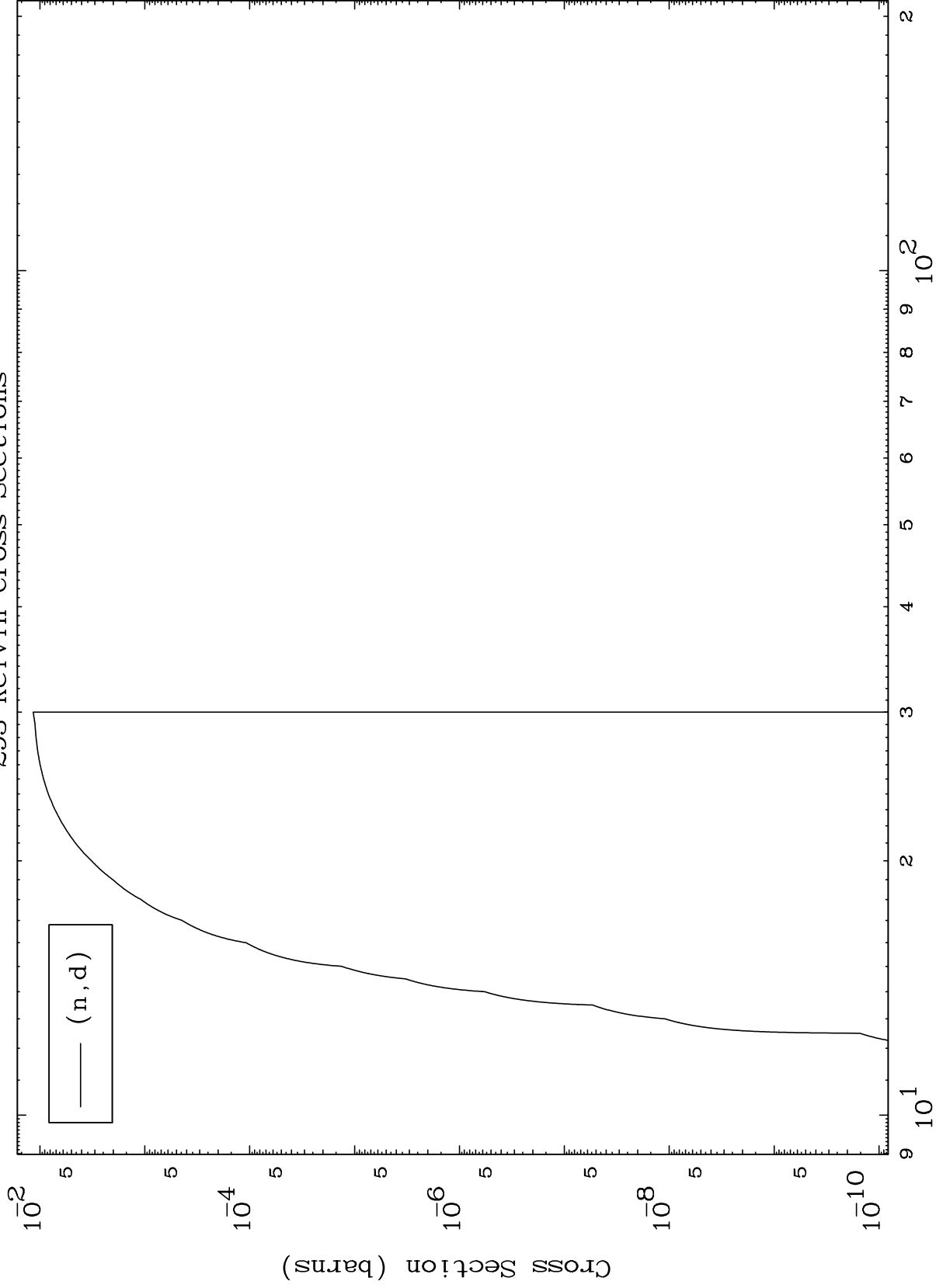
Incident Energy (MeV)

50-Sn-123

MAT 5058

(n,d) Levels  
293 Kelvin Cross Sections

50-Sn-123



12

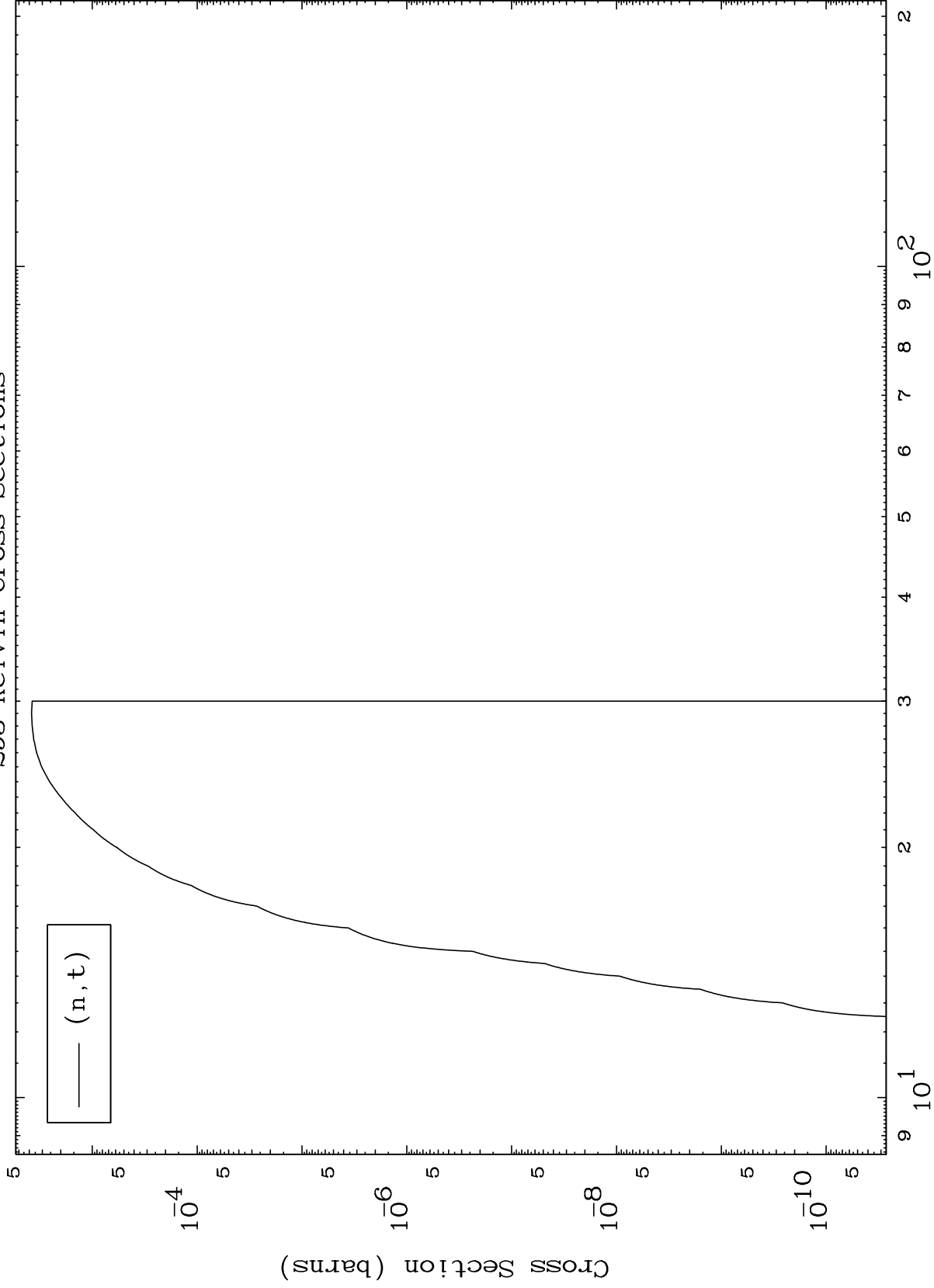
Incident Energy (MeV)

50-Sn-123

MAT 5058

(n,t) Levels  
293 Kelvin Cross Sections

50-Sn-123



Incident Energy (MeV)

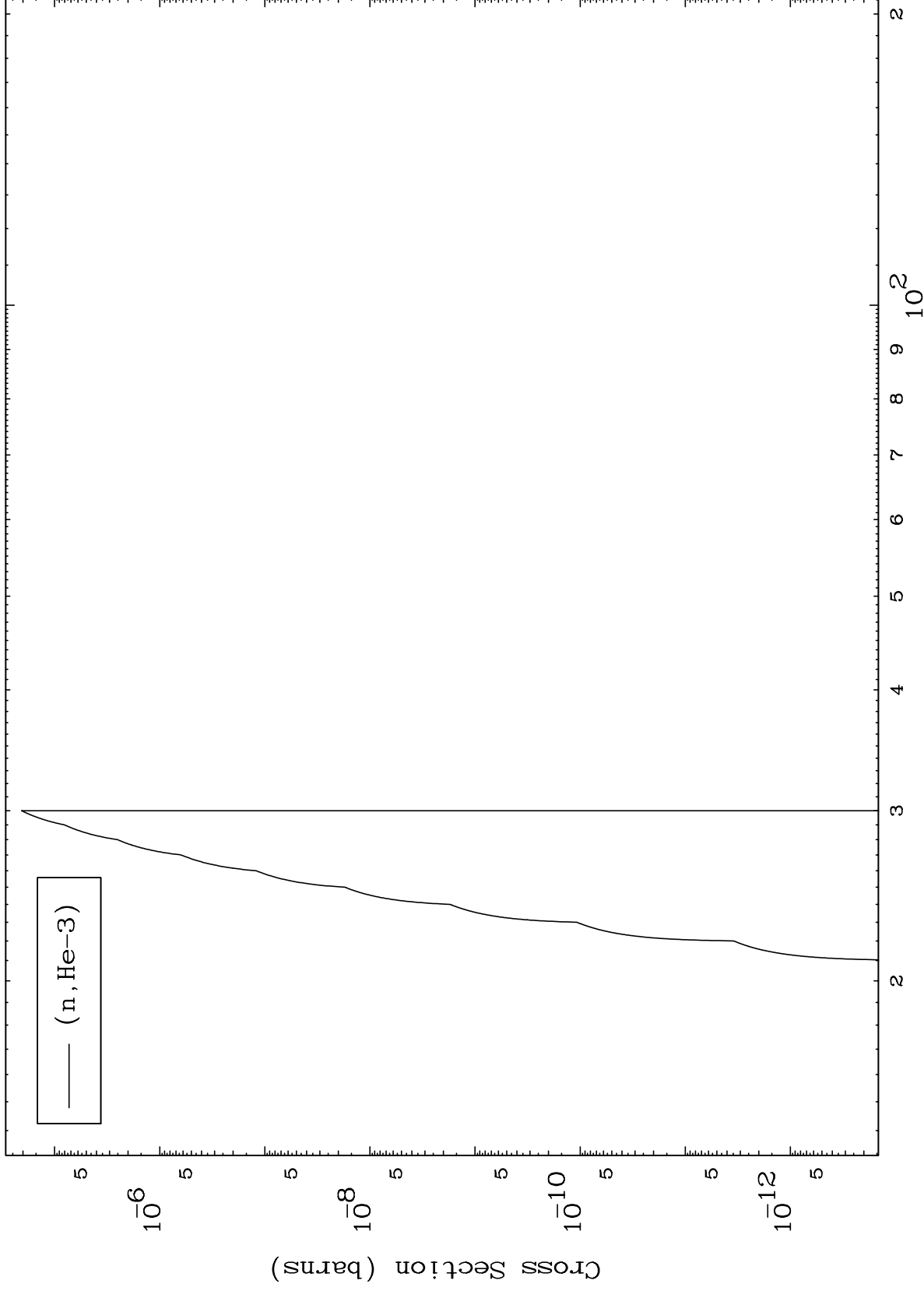
50-Sn-123

13

MAT 5058

(n,He3) Levels  
293 Kelvin Cross Sections

50-Sn-123



14

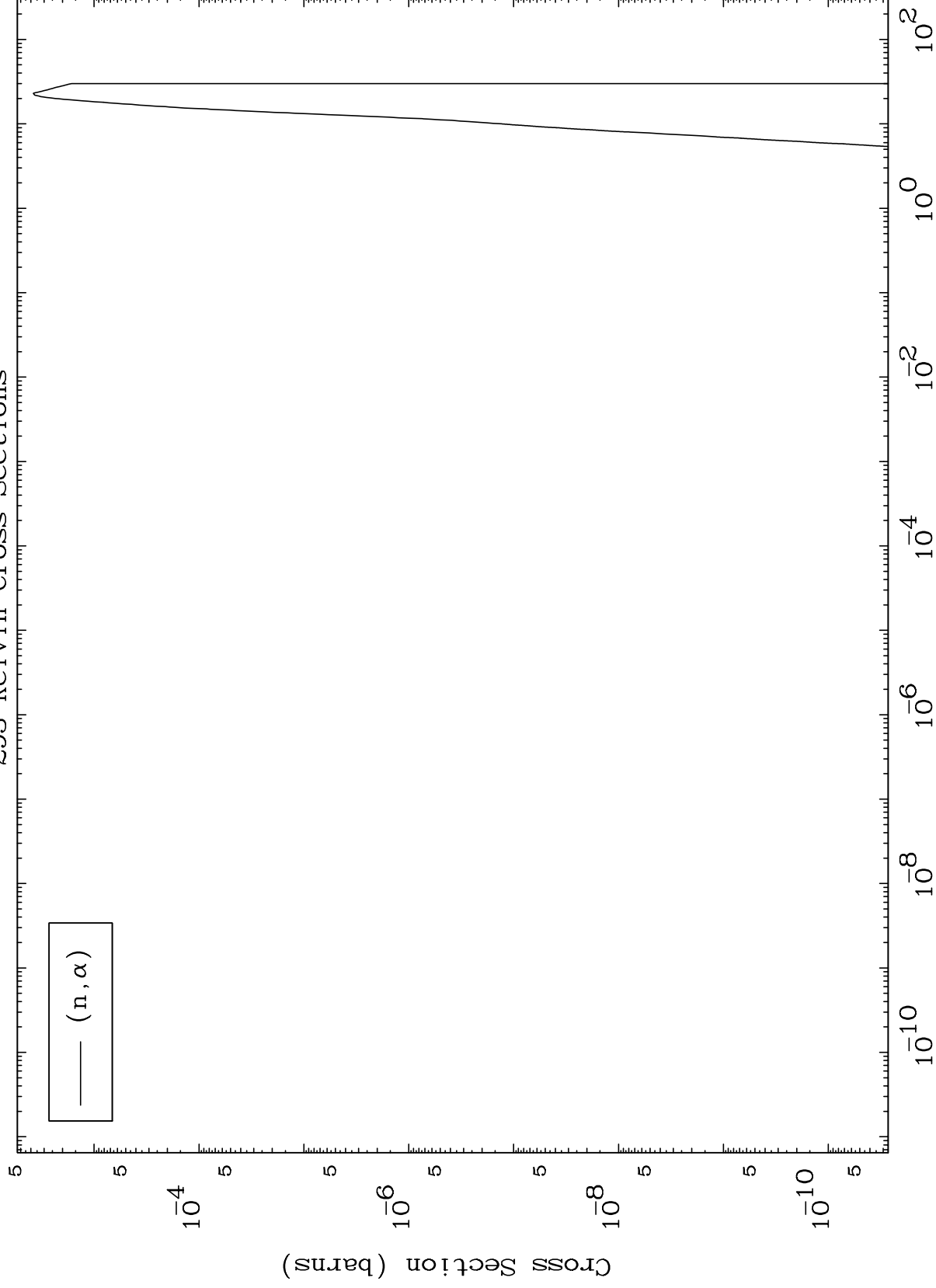
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



(n,  $\alpha$ )

15

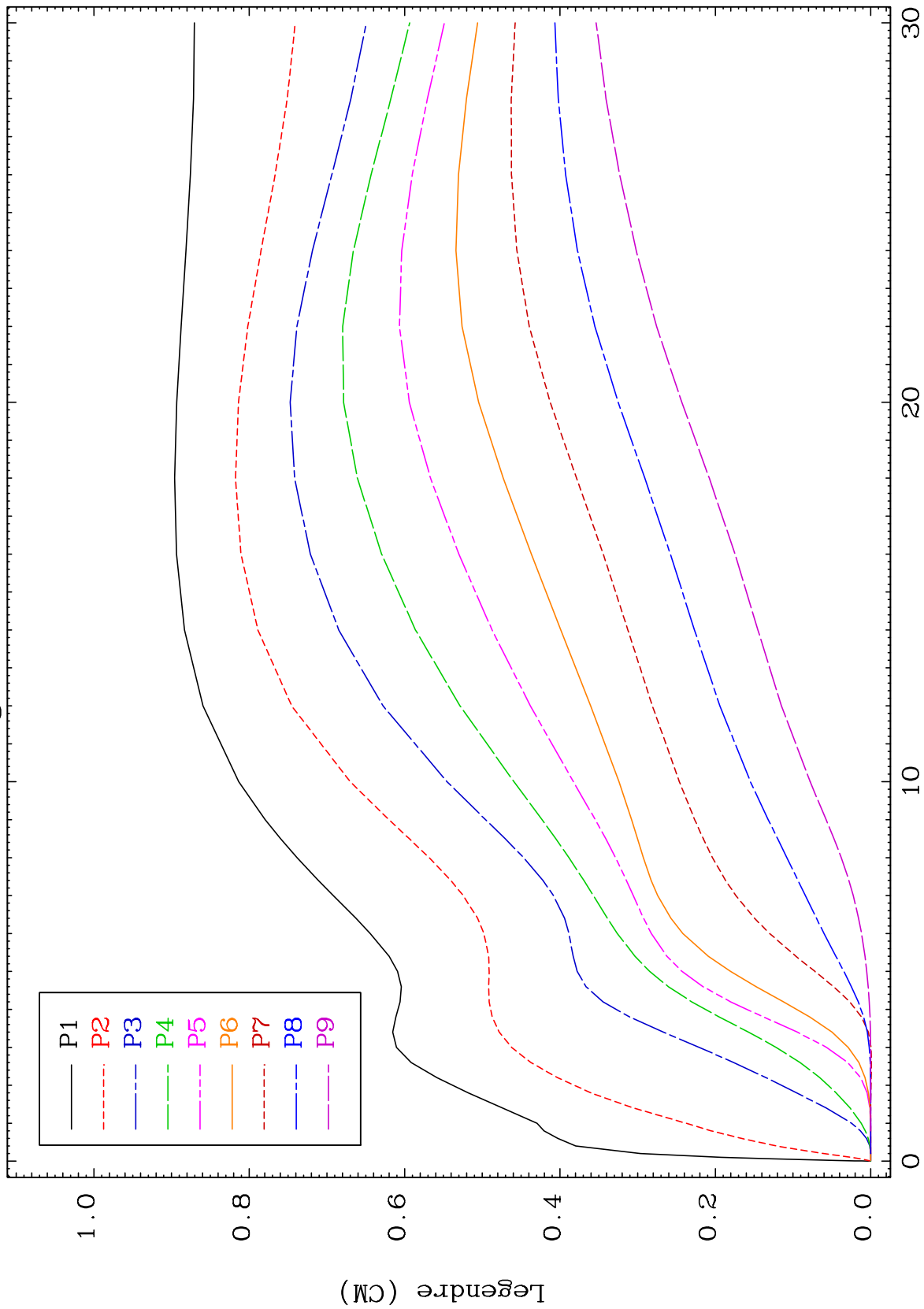
50-Sn-123



MAT 5058

Elastic Legendre Coefficients

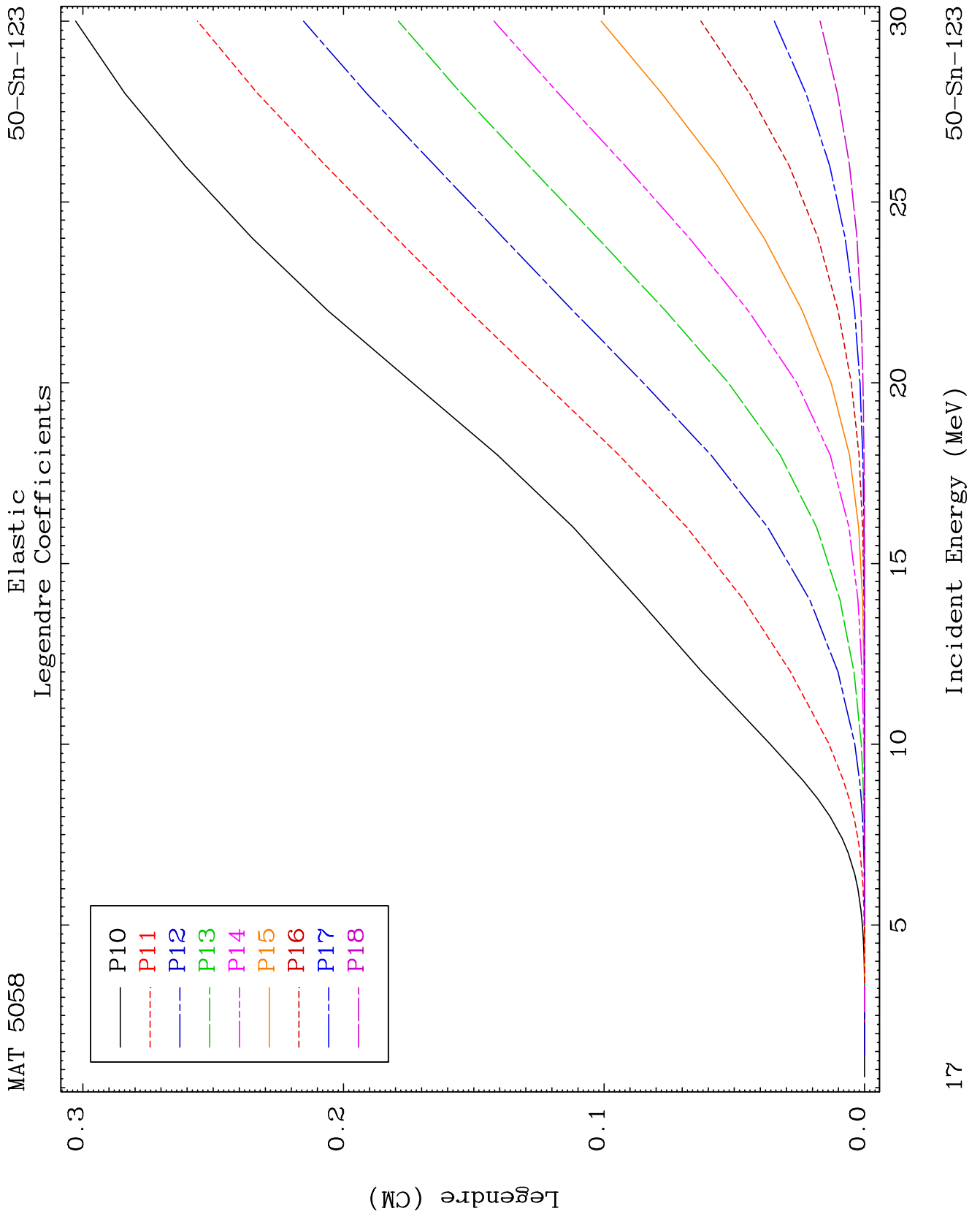
50-Sn-123



16

Incident Energy (MeV)

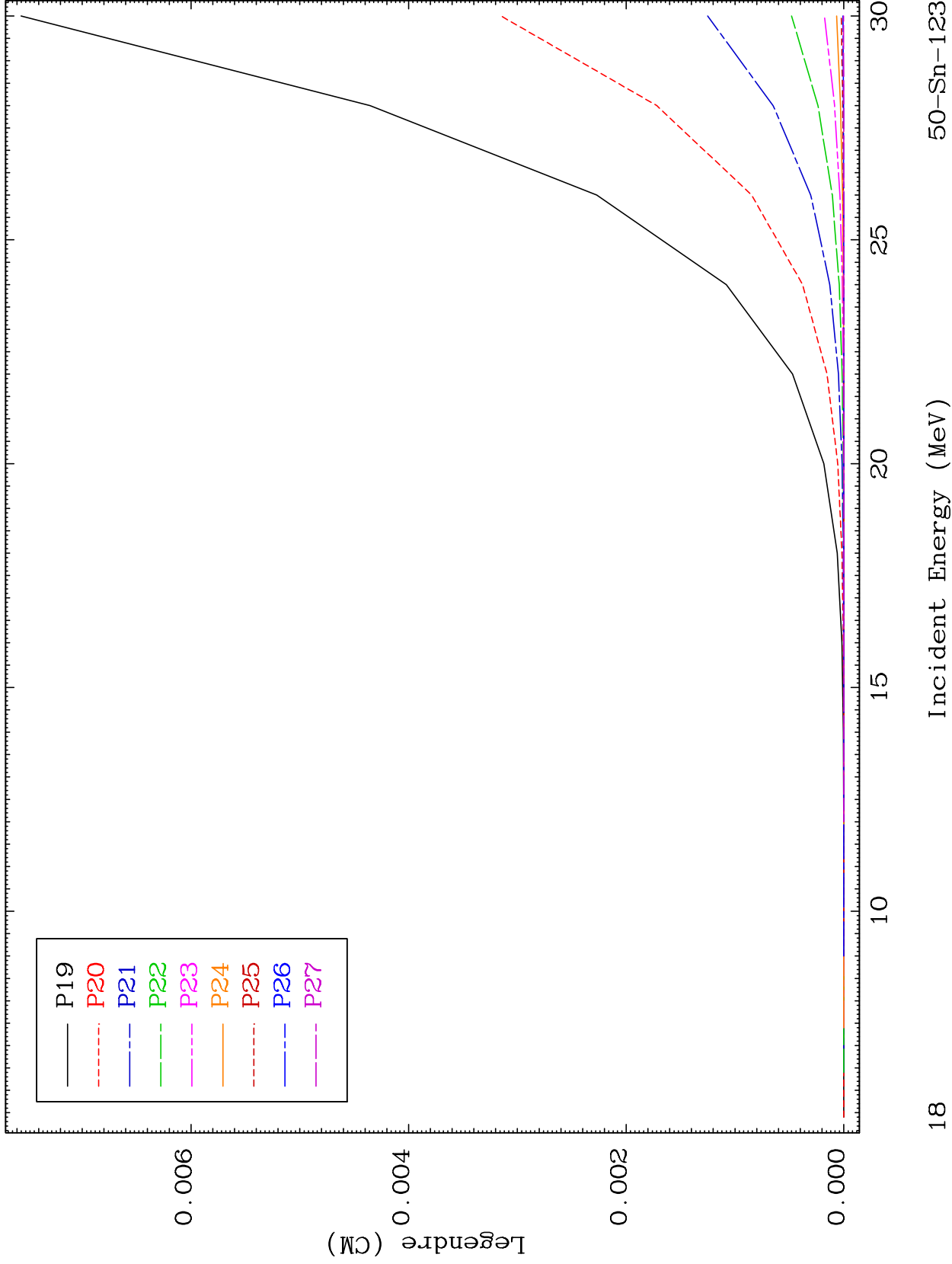
50-Sn-123



MAT 5058

### Elastic Legendre Coefficients

50-Sn-123

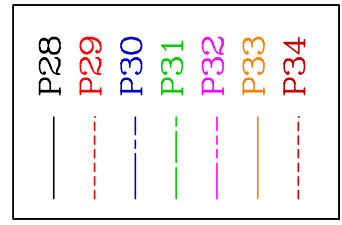


- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

MAT 5058

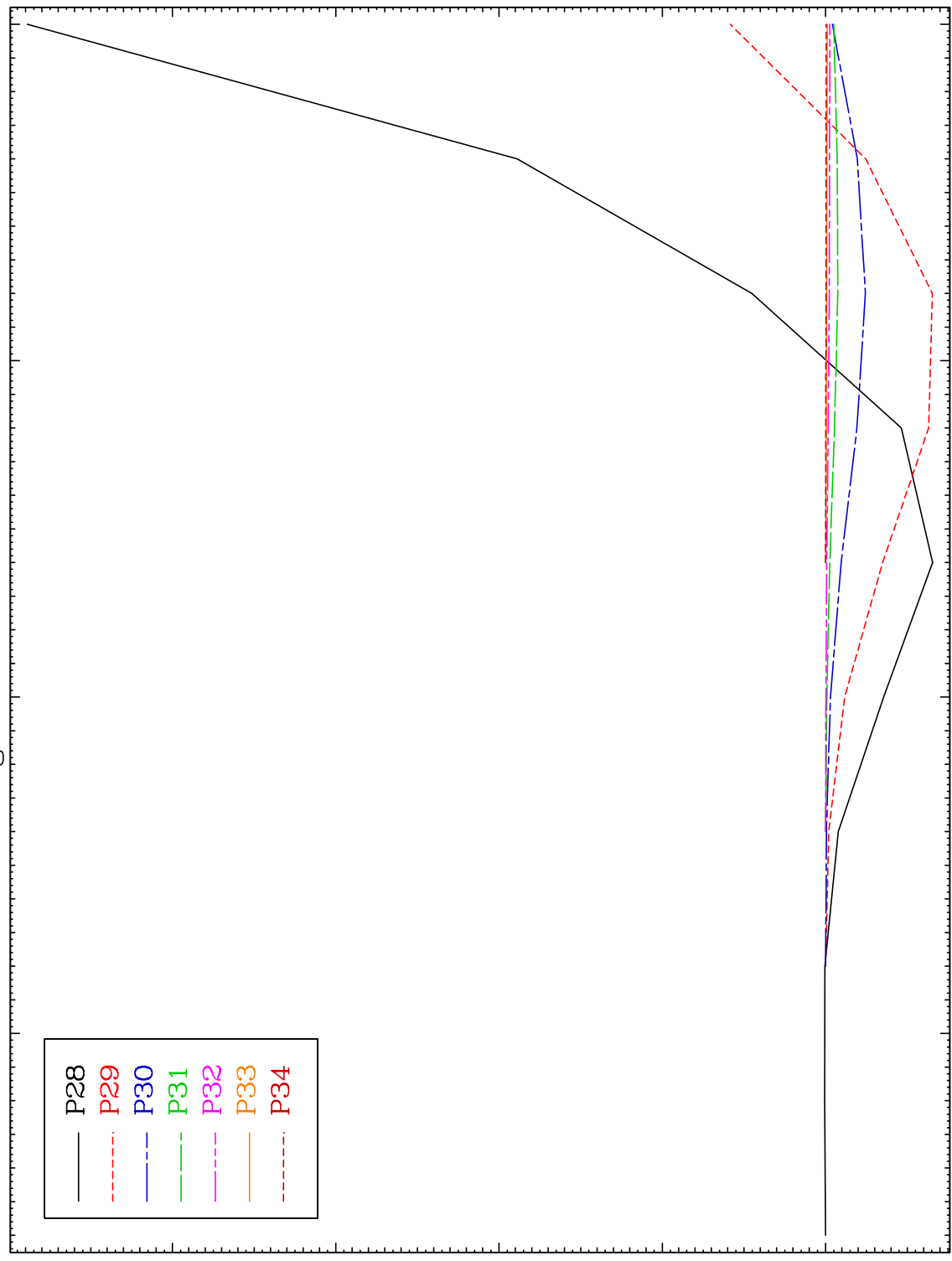
Elastic Legendre Coefficients

50-Sn-123



$\times 10^{-7}$

Legendre (CM)



19

Incident Energy (MeV)

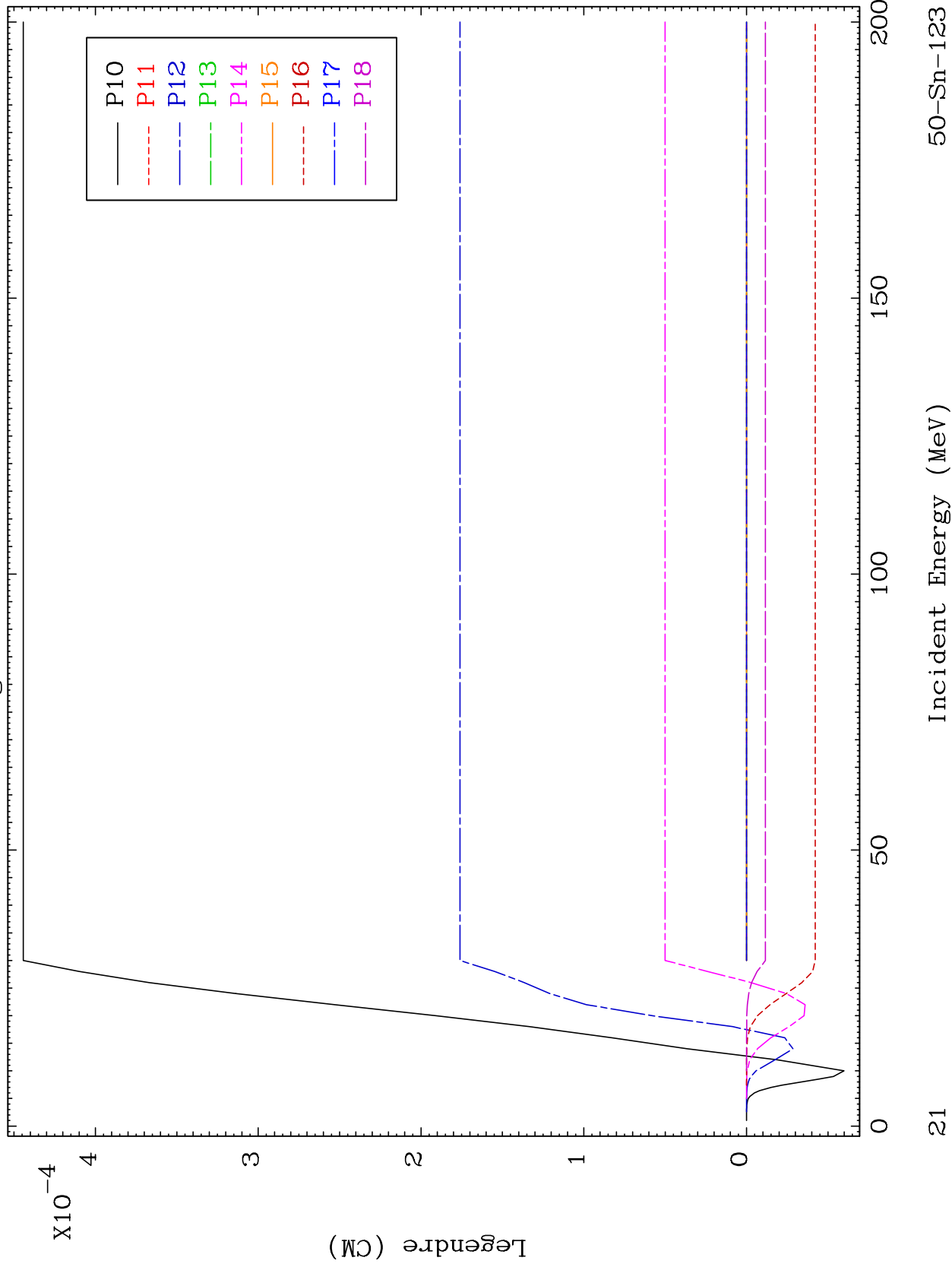
50-Sn-123



MAT 5058

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

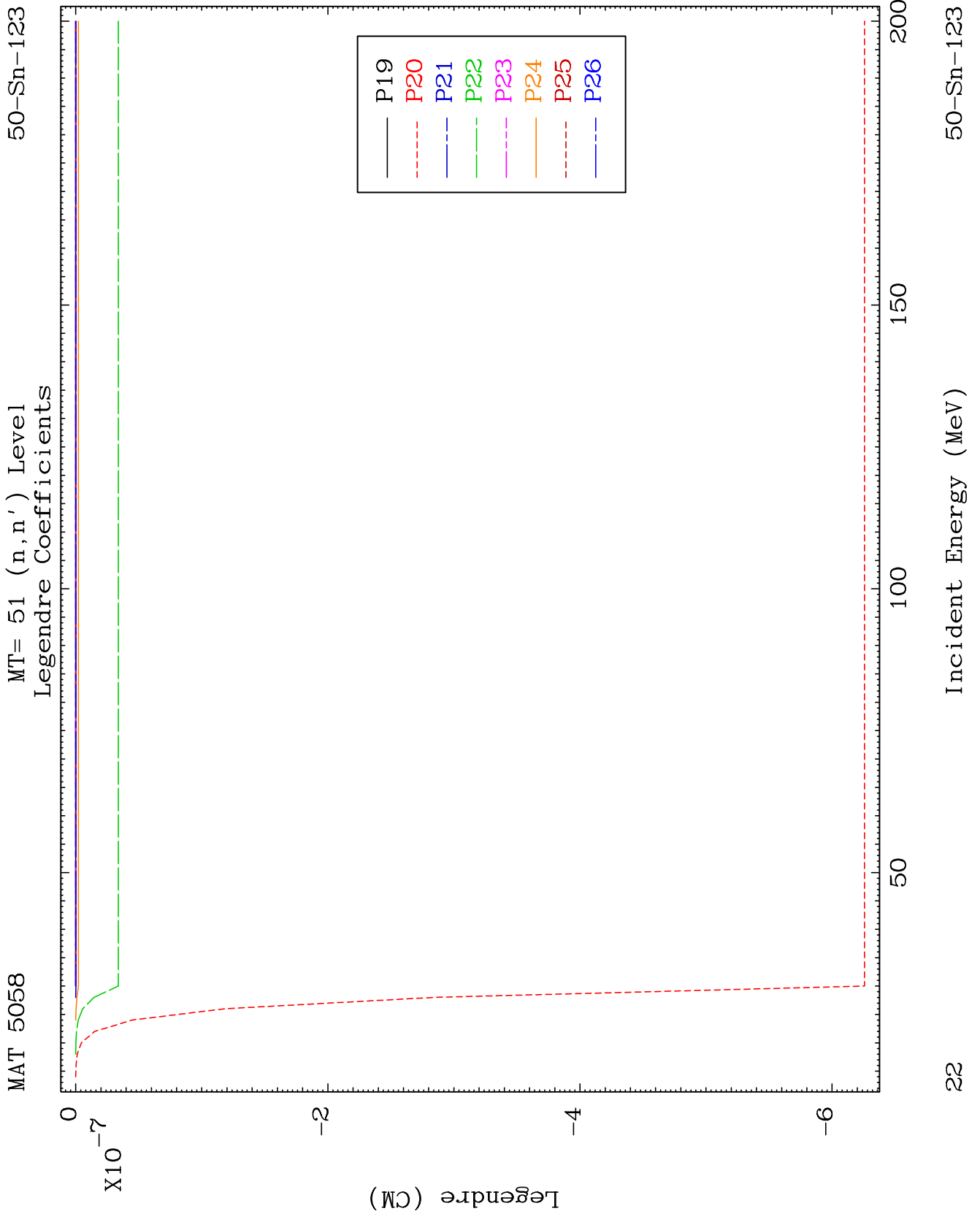
50-Sn-123



21

Incident Energy (MeV)

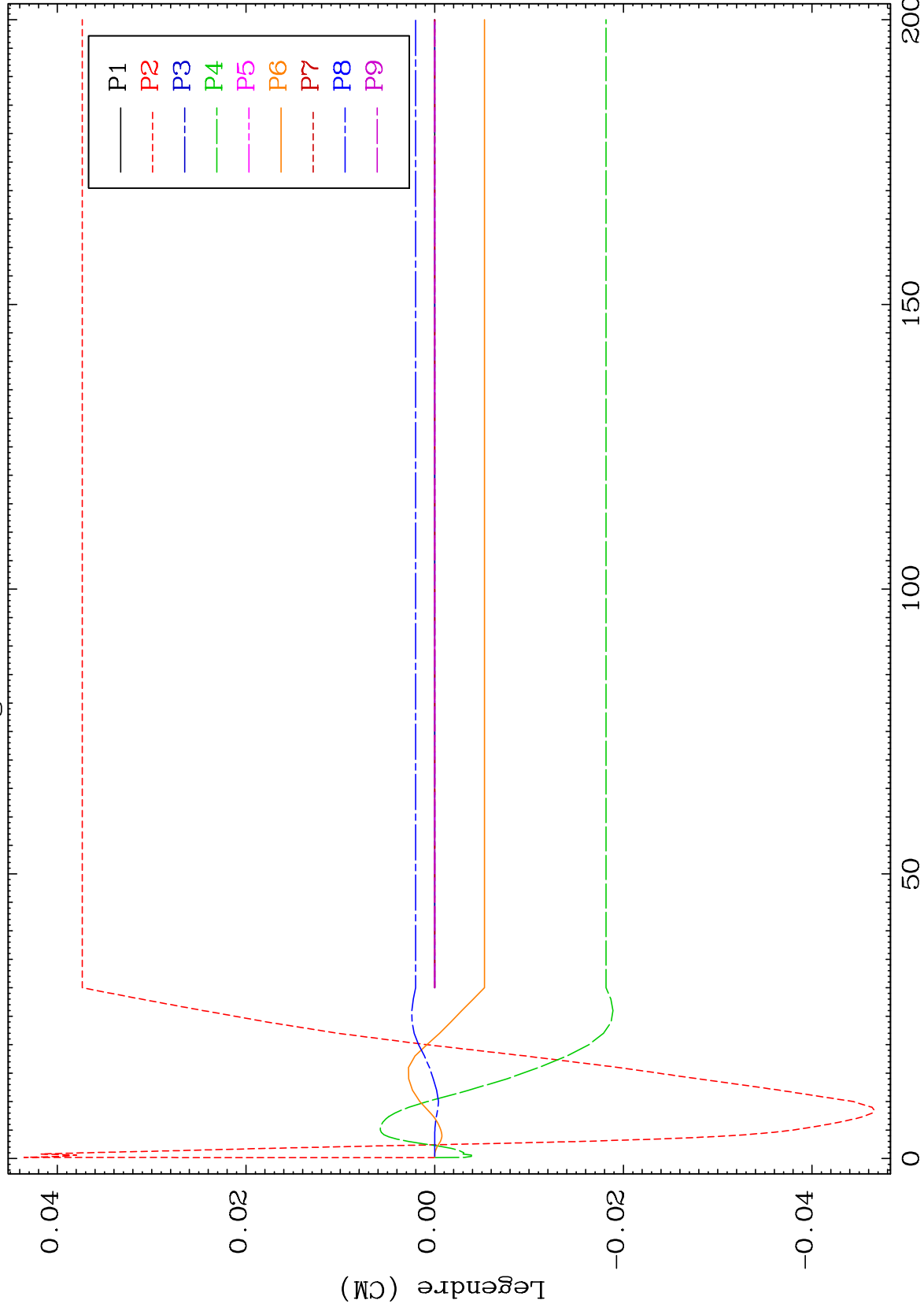
50-Sn-123



MAT 5058

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

50-Sn-123



50-Sn-123

Incident Energy (MeV)

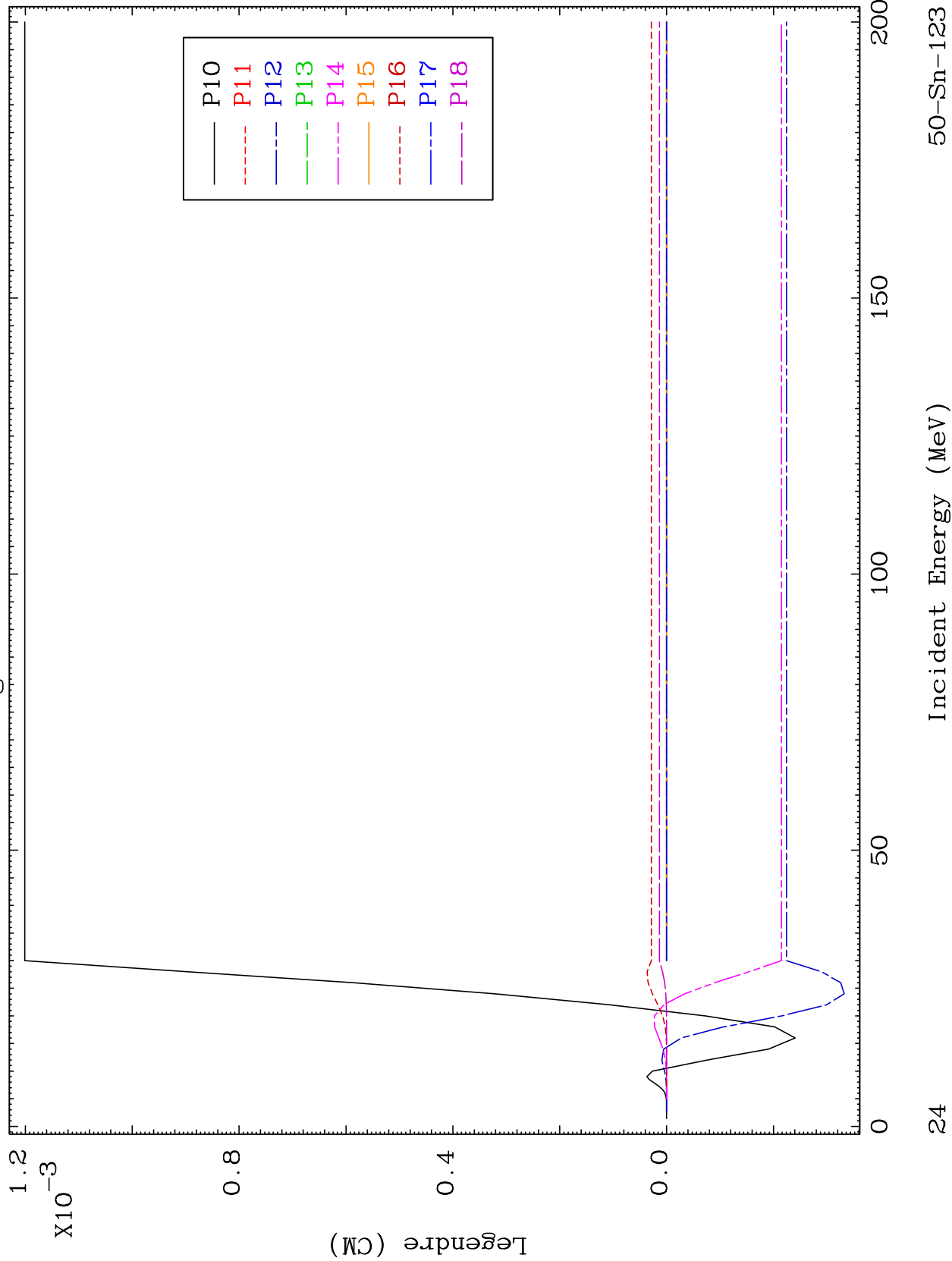
23



MAT 5058

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

50-Sn-123



24

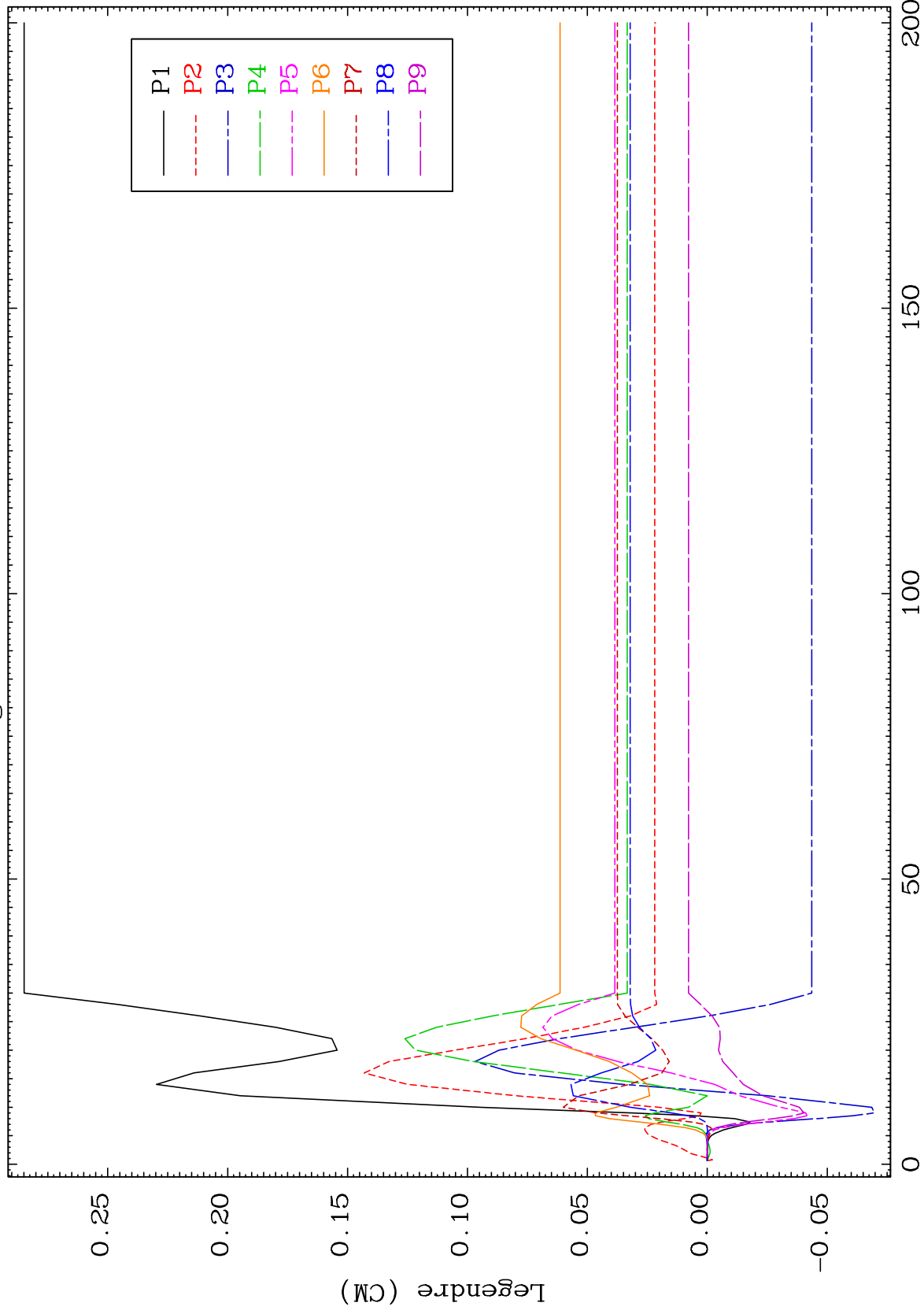
50-Sn-123



MAT 5058

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

50-Sn-123



26

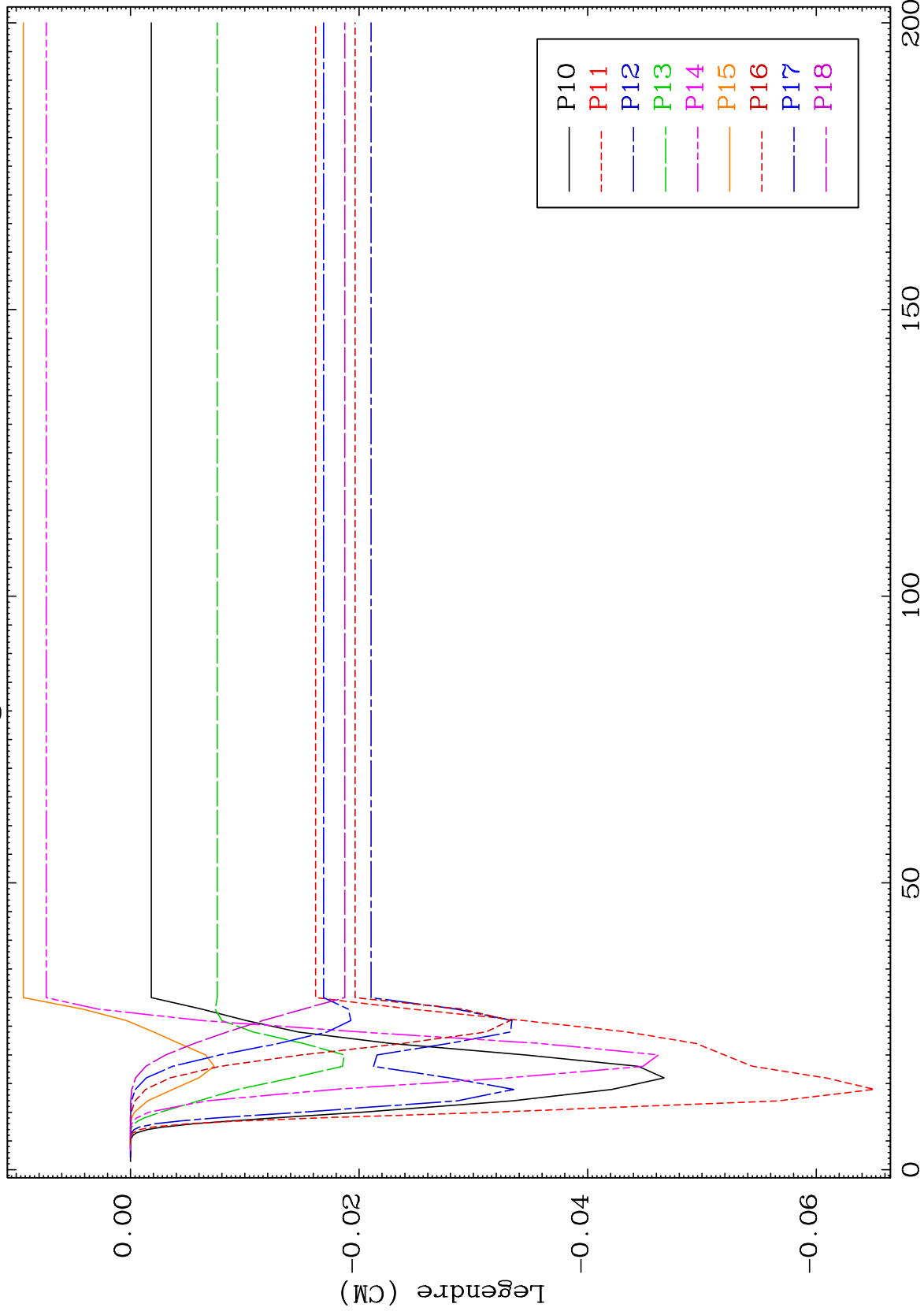
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

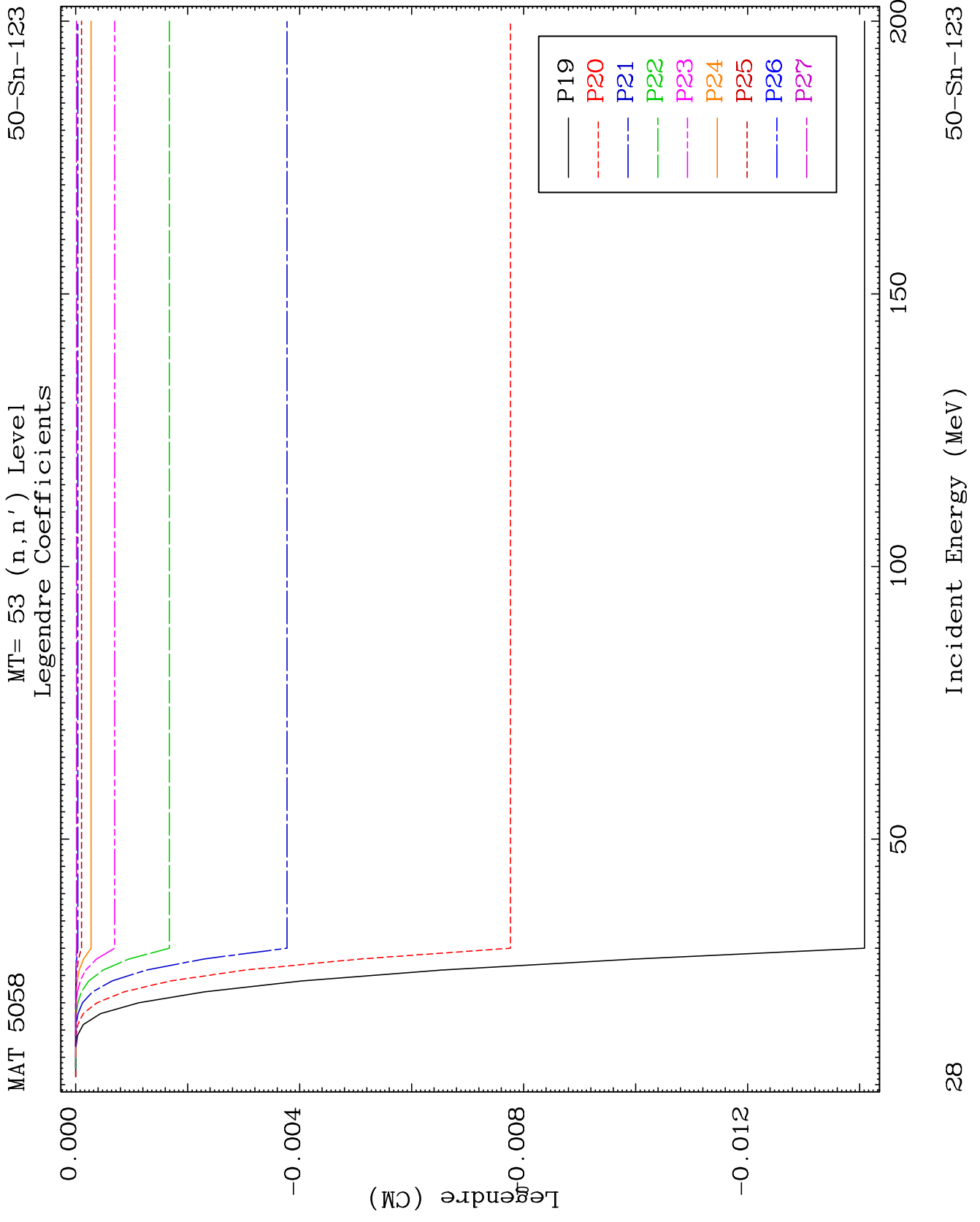
50-Sn-123

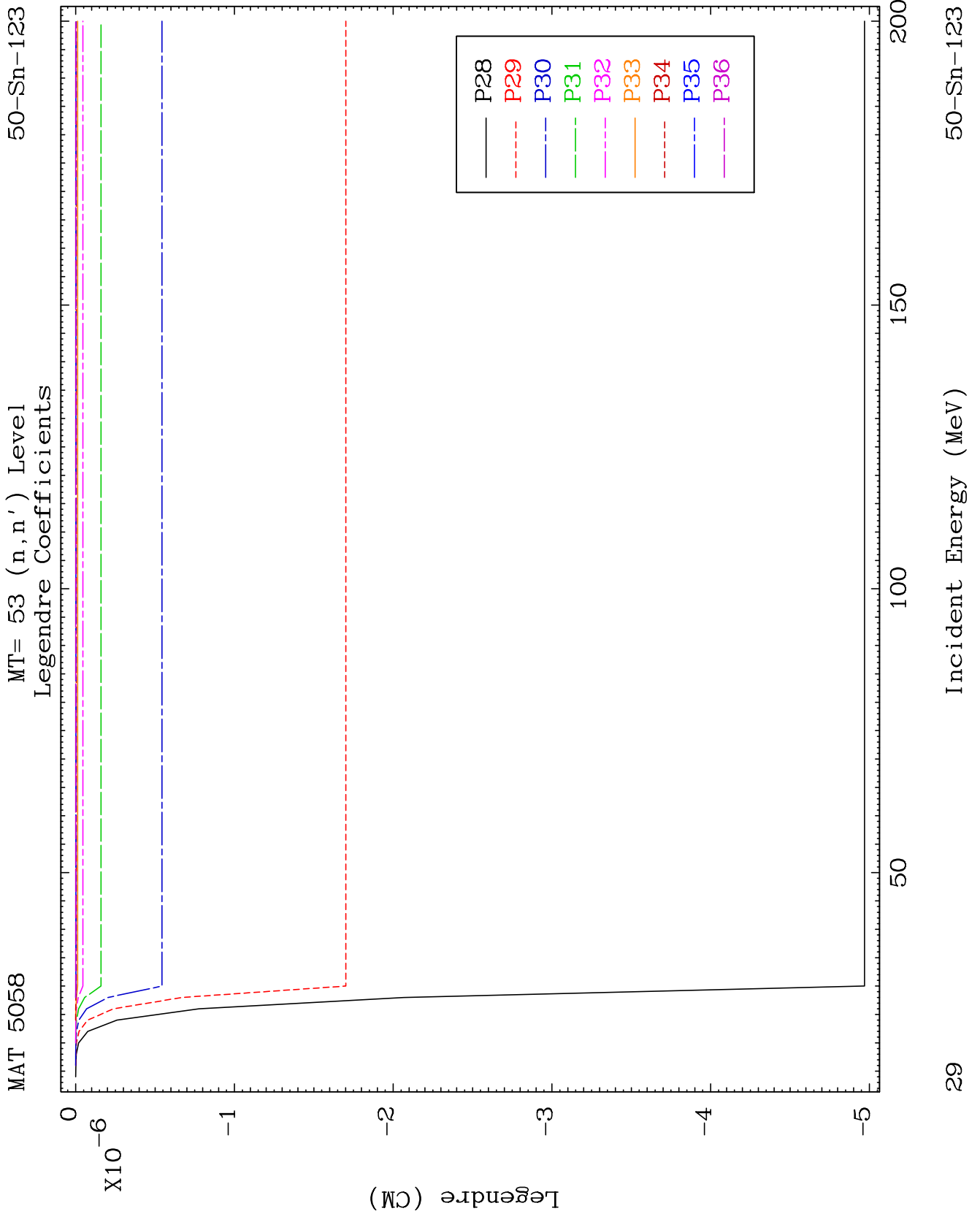


27

Incident Energy (MeV)

50-Sn-123



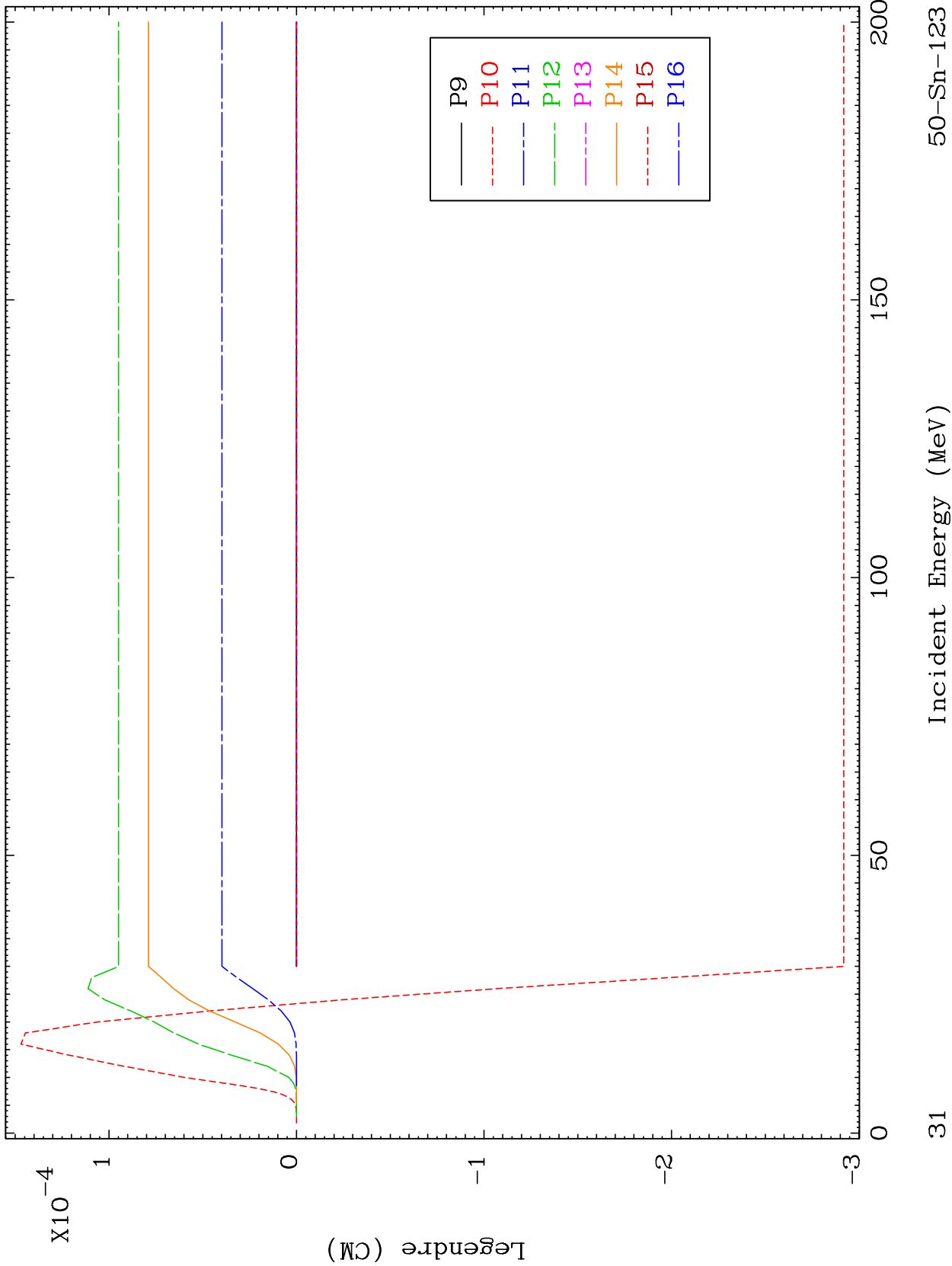




MAT 5058

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

50-Sn-123

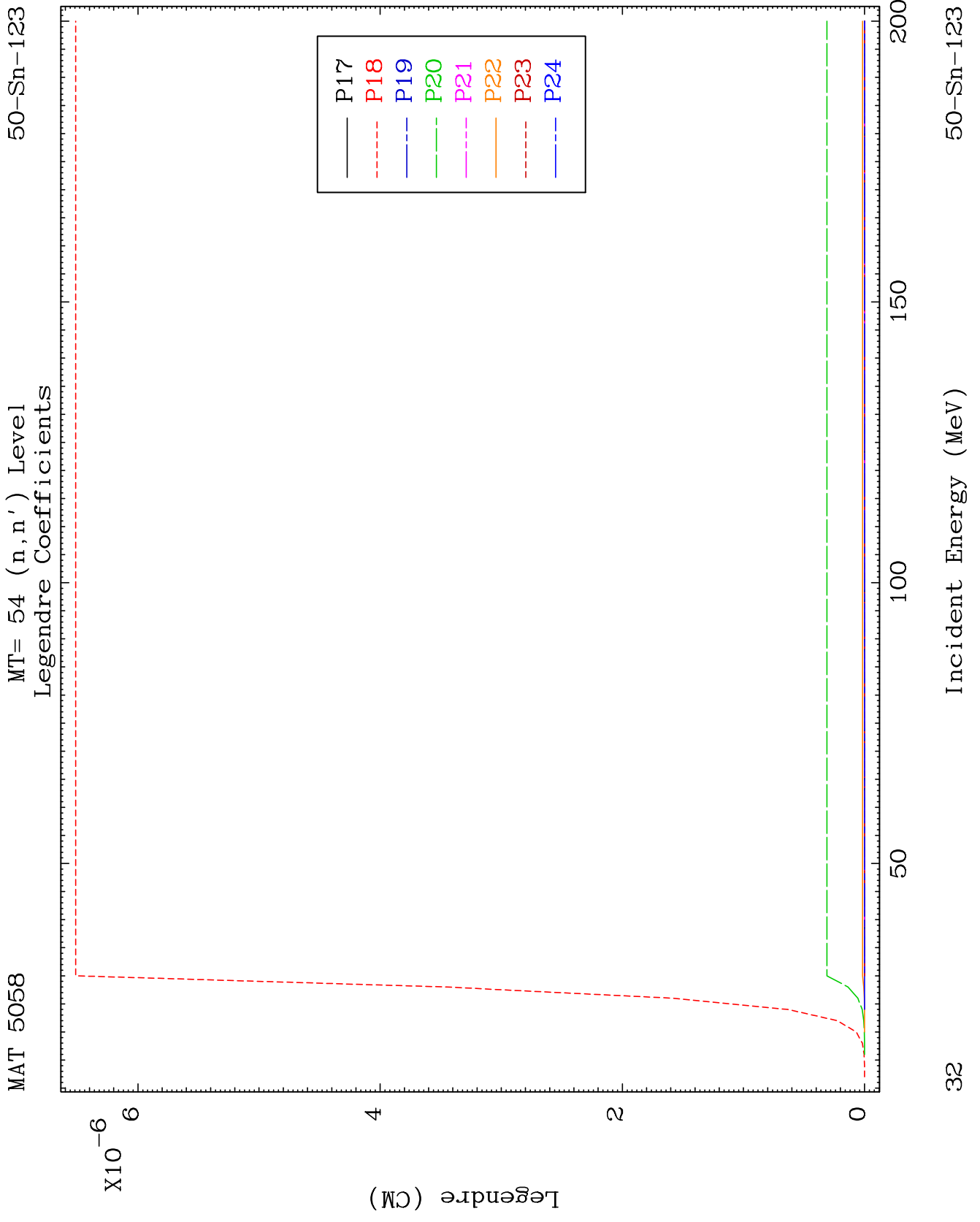


31

Incident Energy (MeV)

50-Sn-123

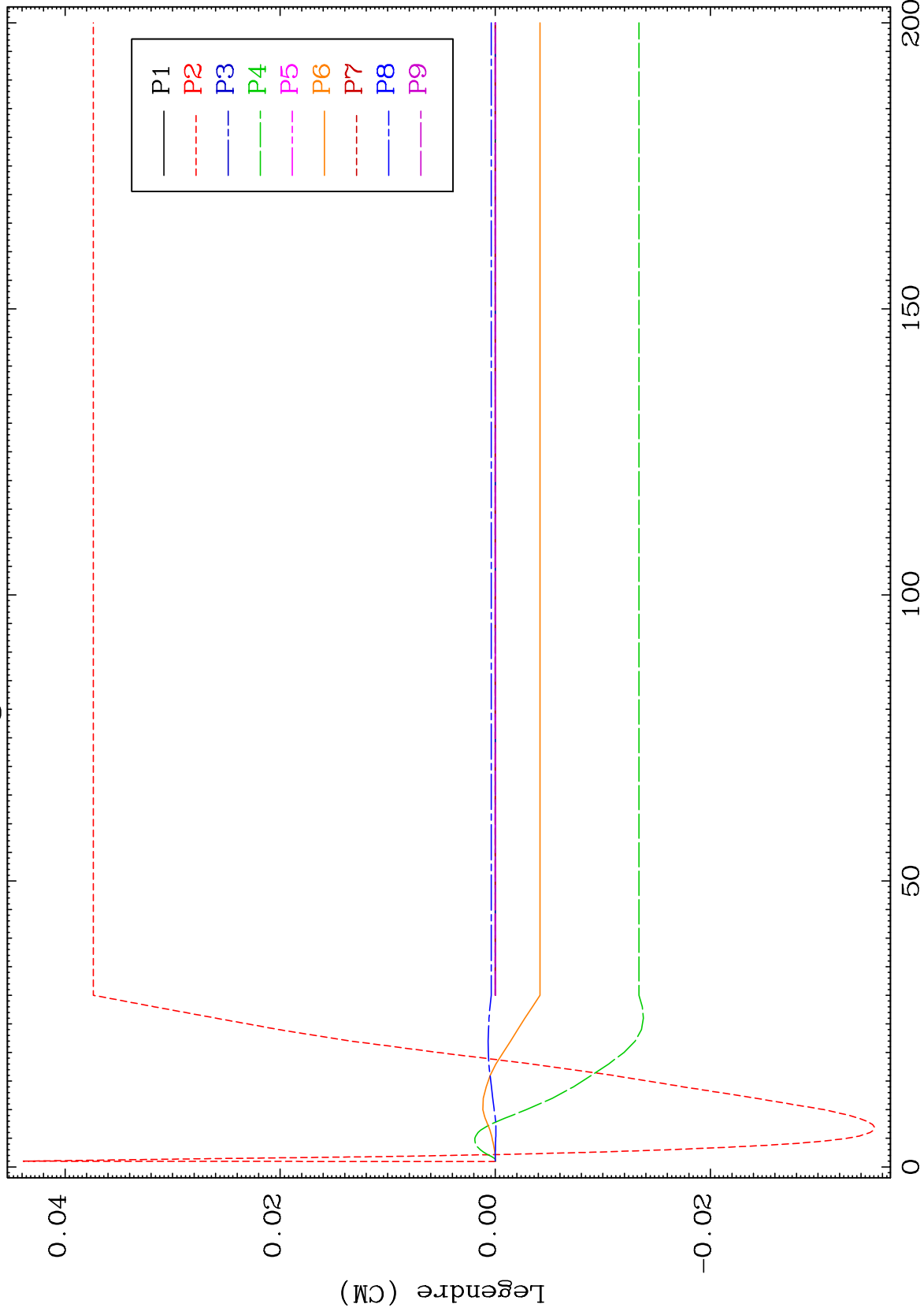




MAT 5058

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

50-Sn-123



33

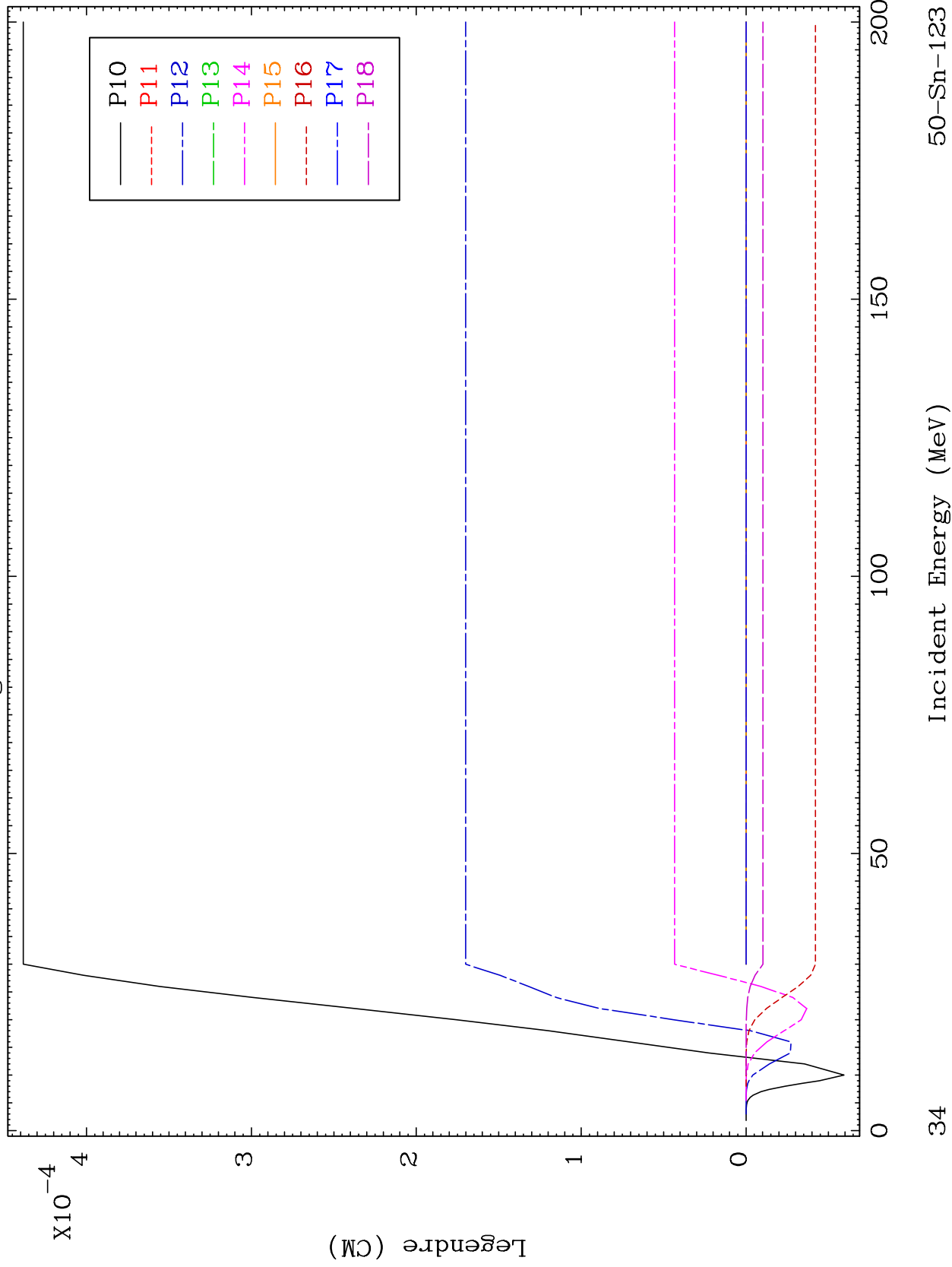
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

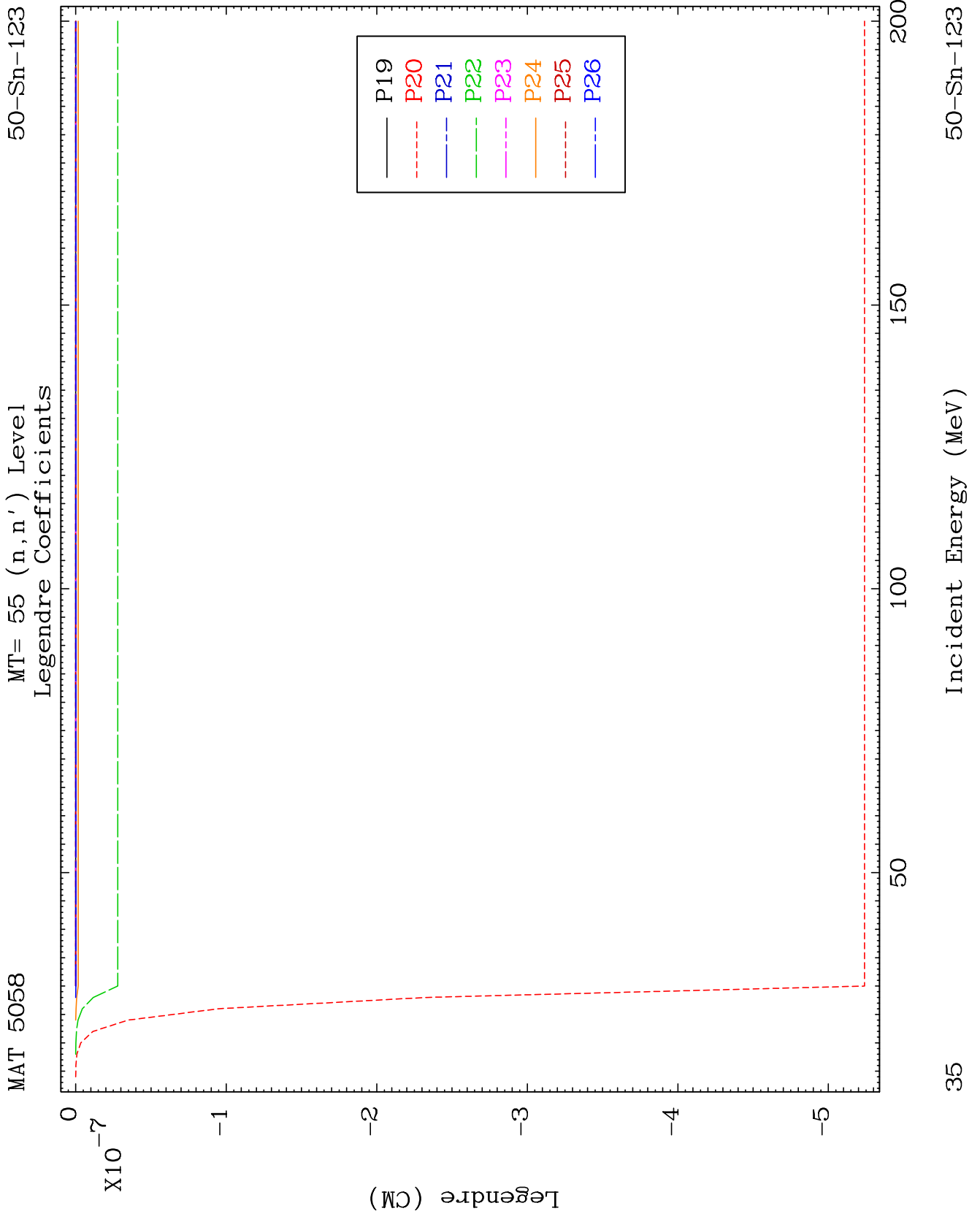
50-Sn-123



50-Sn-123

Incident Energy (MeV)

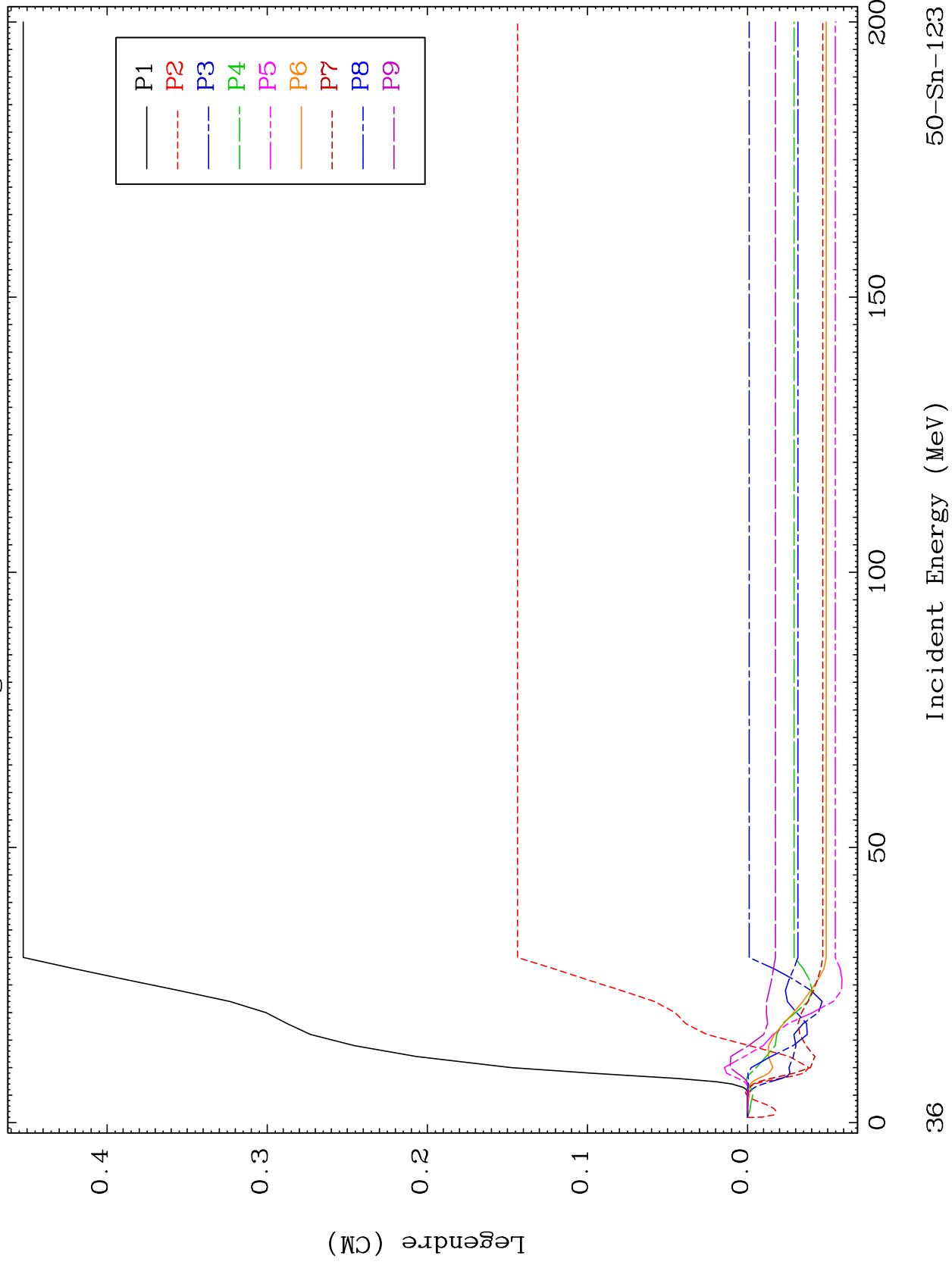
34



MAT 5058

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

50-Sn-123



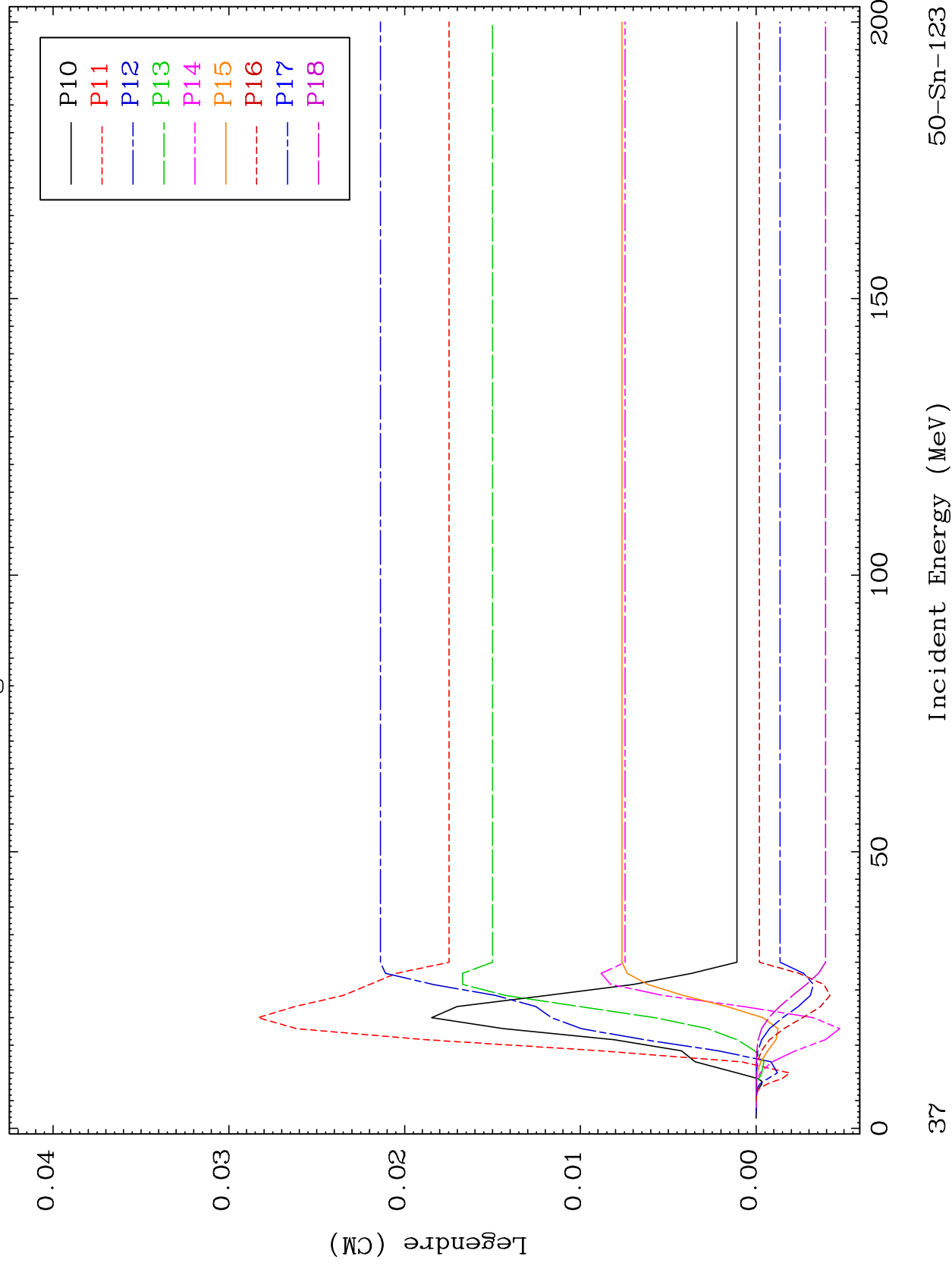
36

50-Sn-123

MAT 5058

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

50-Sn-123



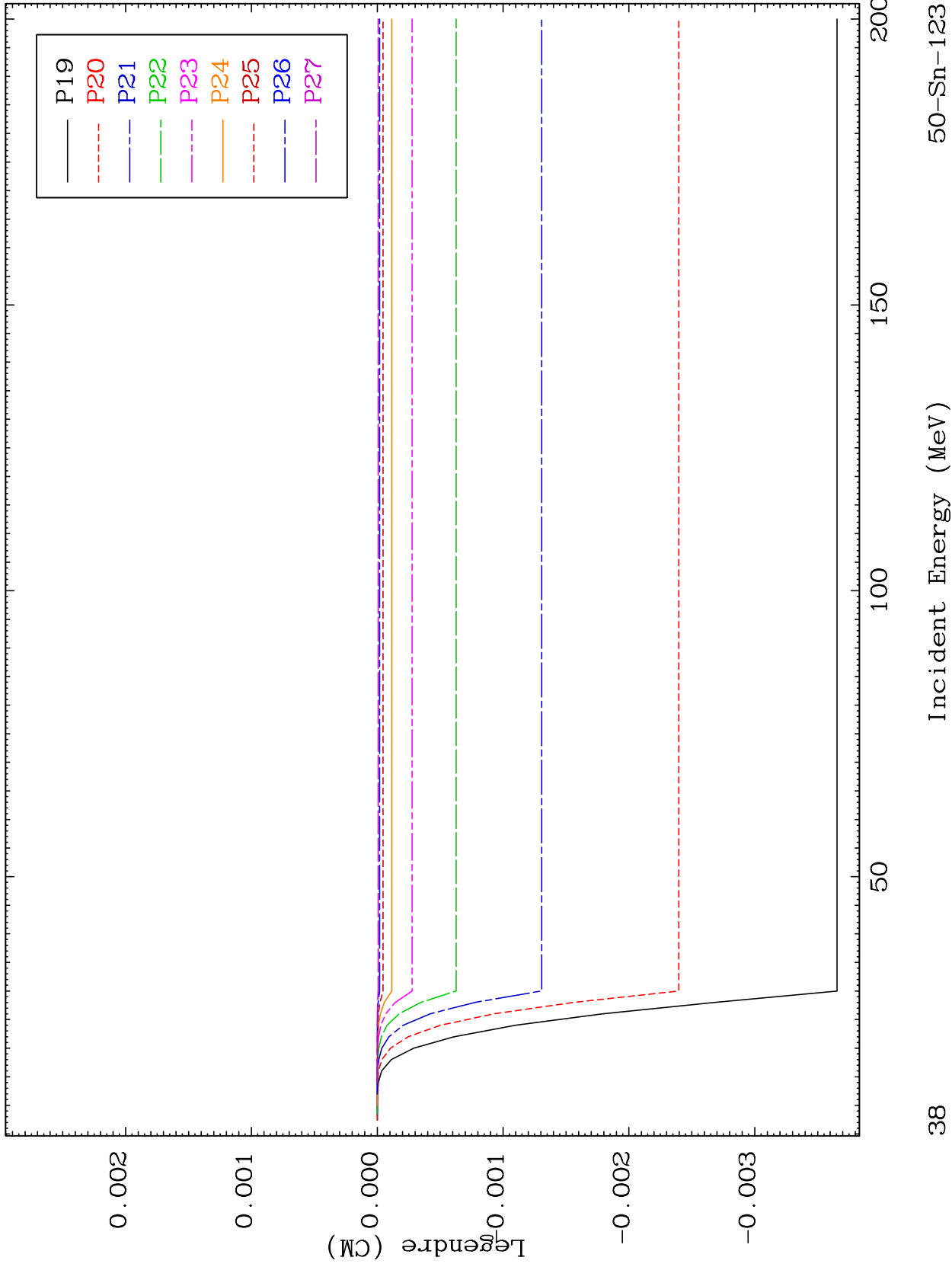
37

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MAT 5058

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

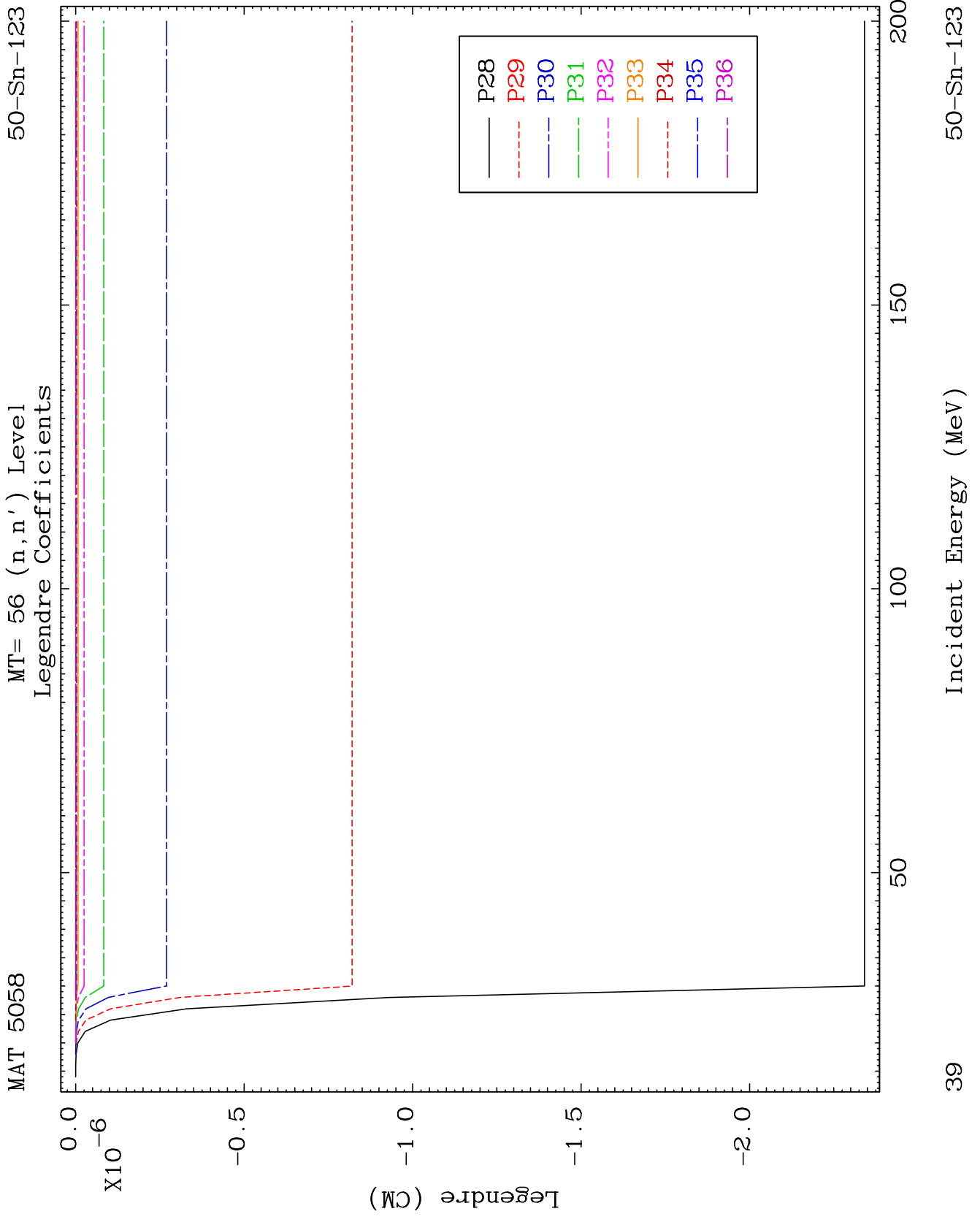
50-Sn-123



38

Incident Energy (MeV)

50-Sn-123



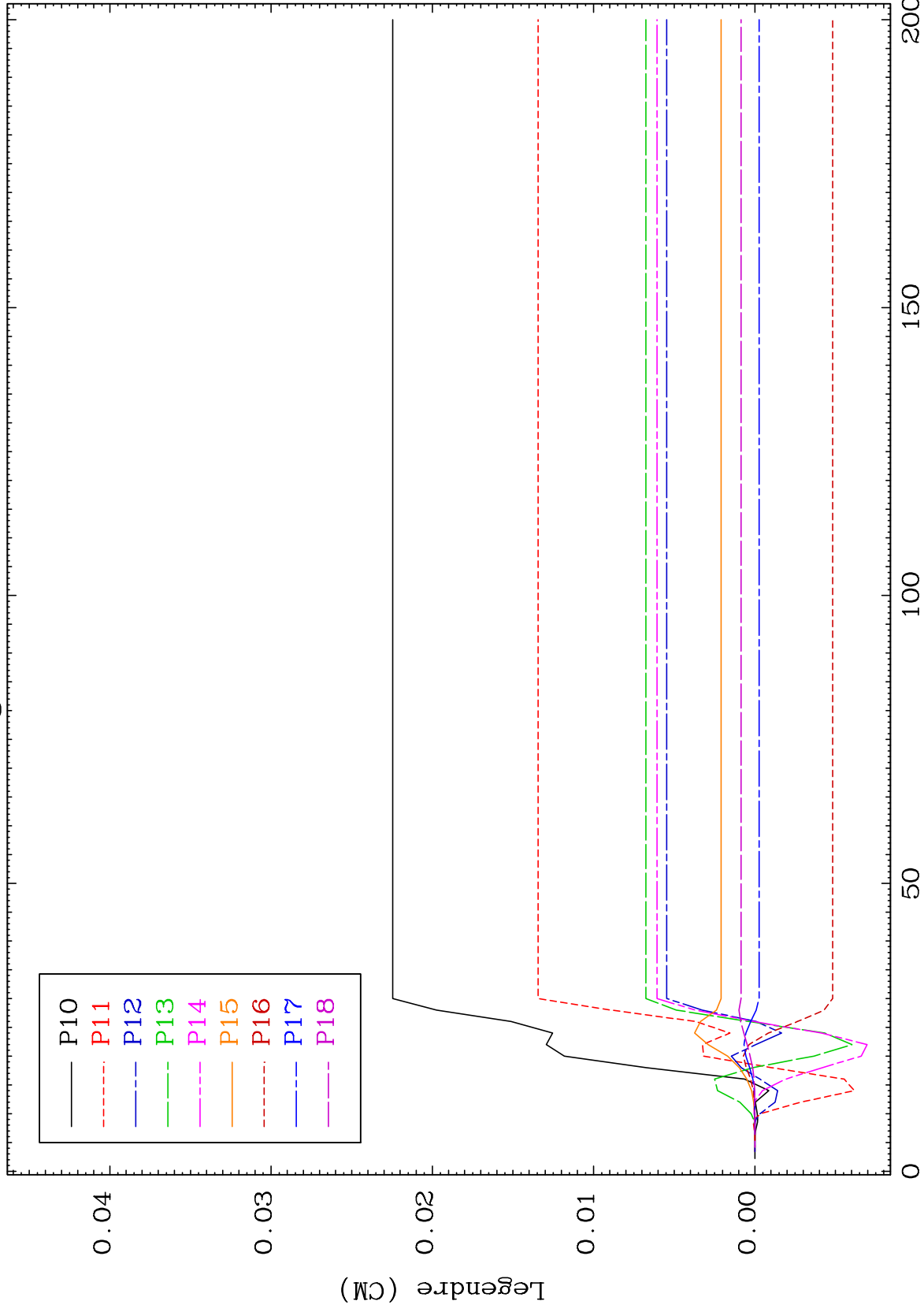




MAT 5058

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

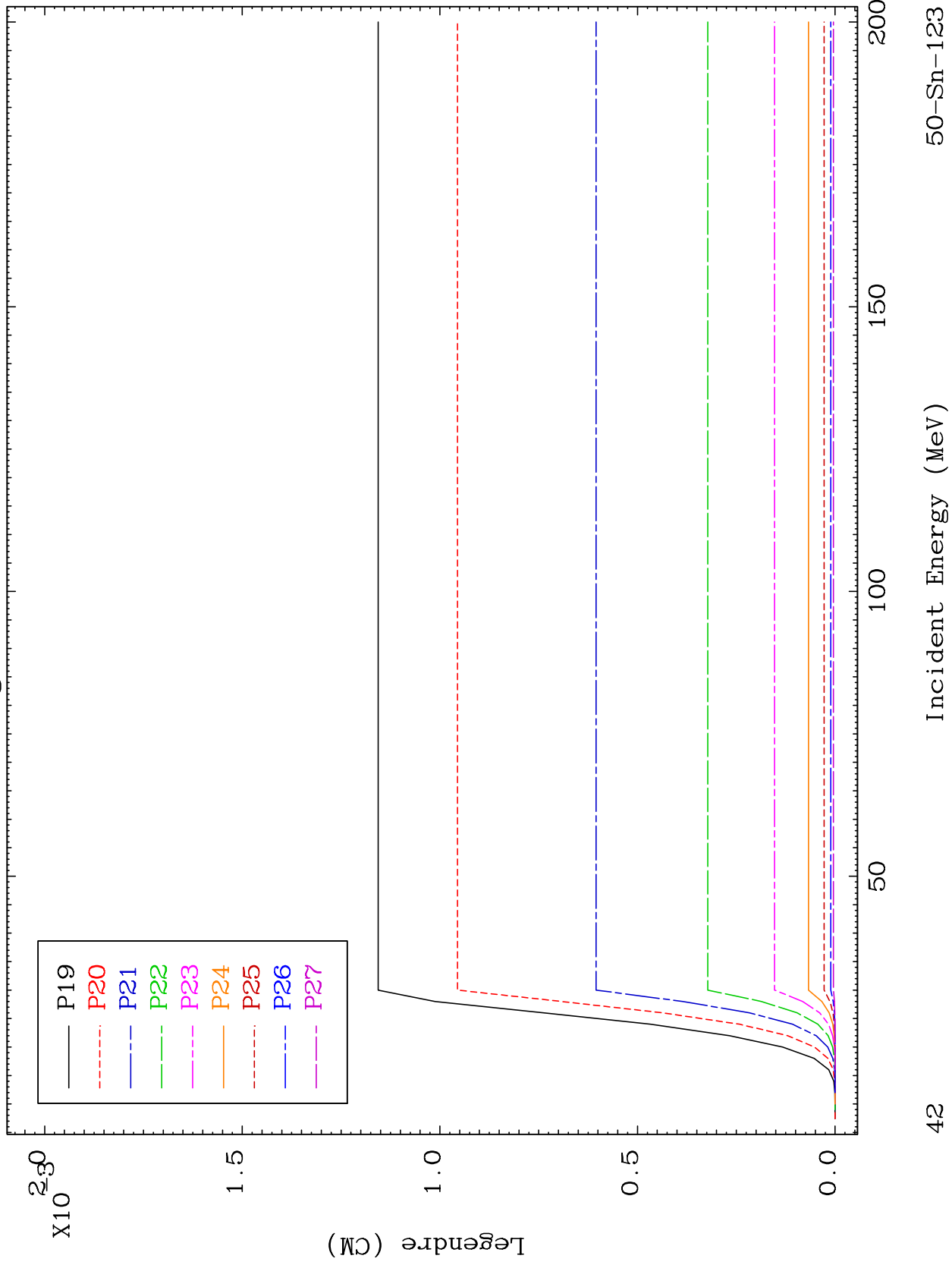
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MAT 5058

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

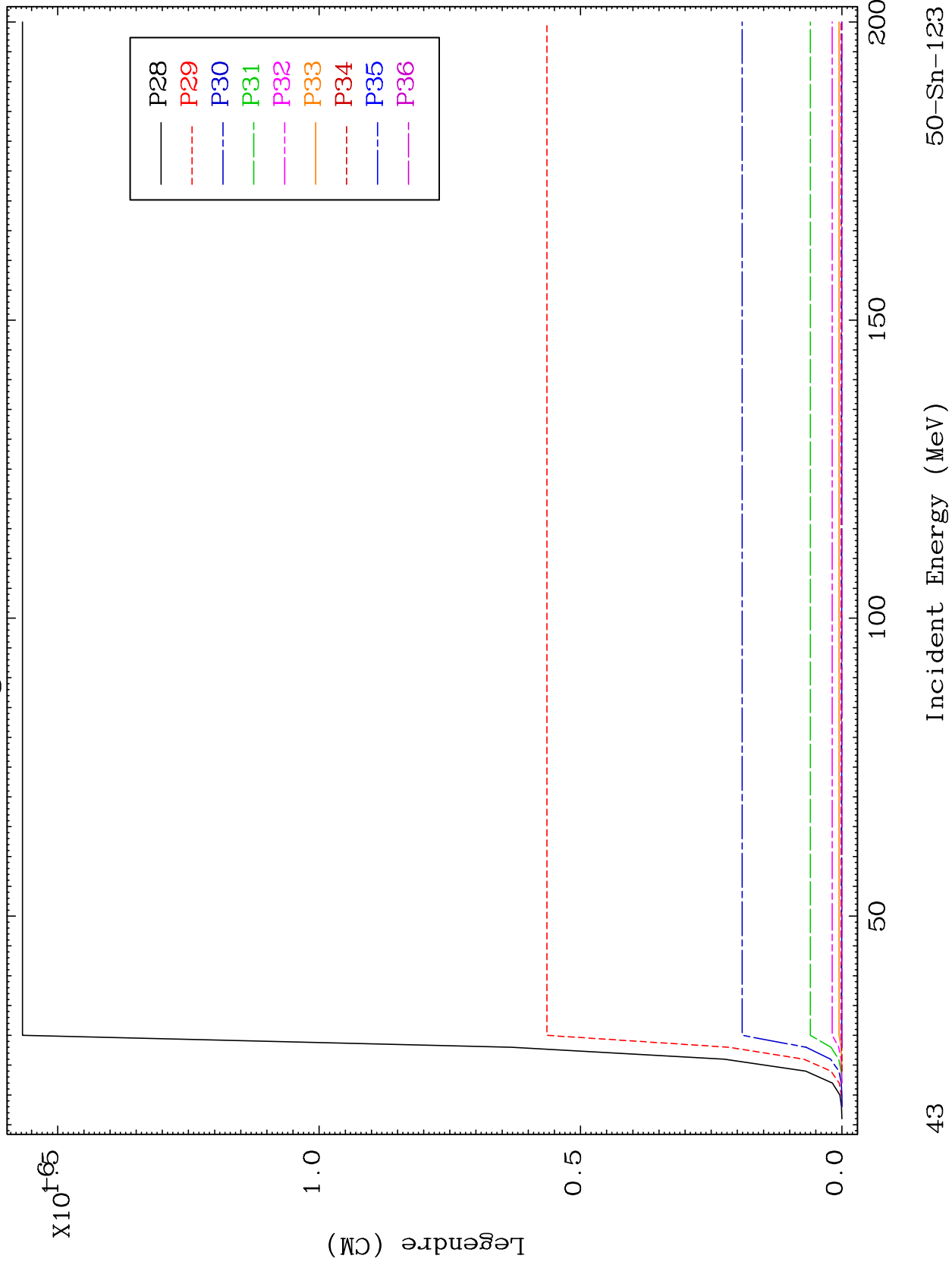
50-Sn-123



MAT 5058

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

50-Sn-123

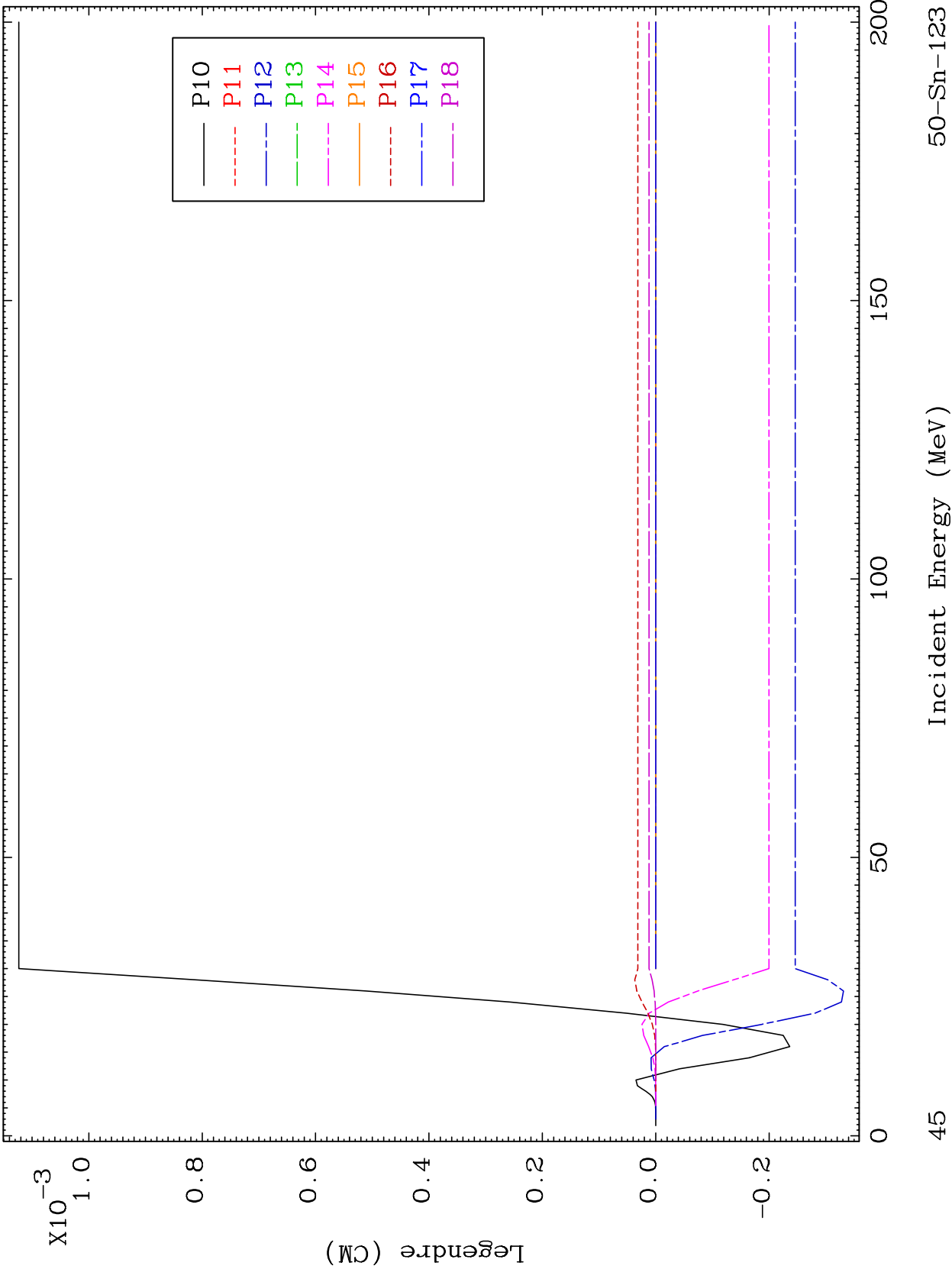




MAT 5058

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

50-Sn-123



50-Sn-123

Incident Energy (MeV)

45



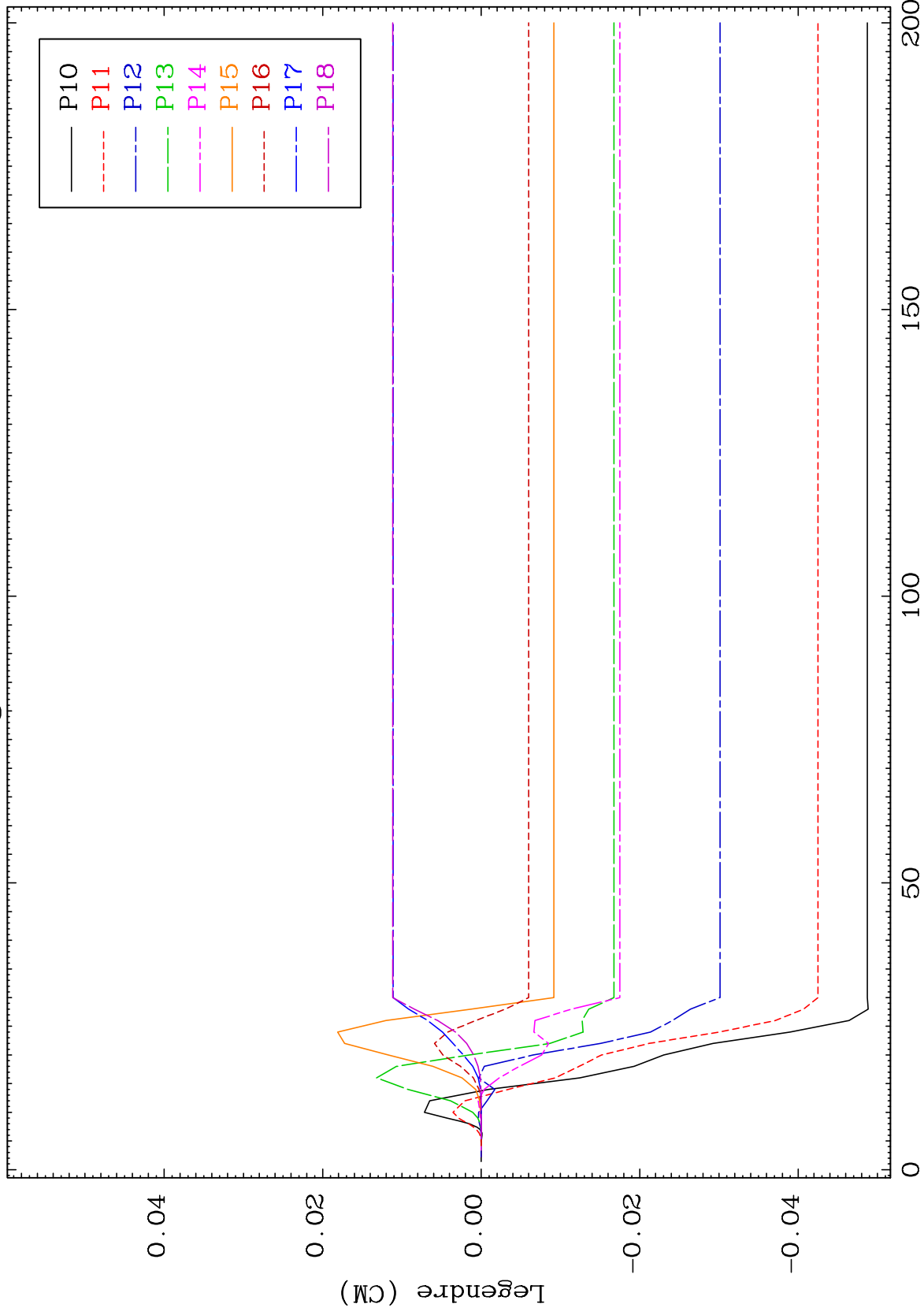




MAT 5058

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

50-Sn-123



48

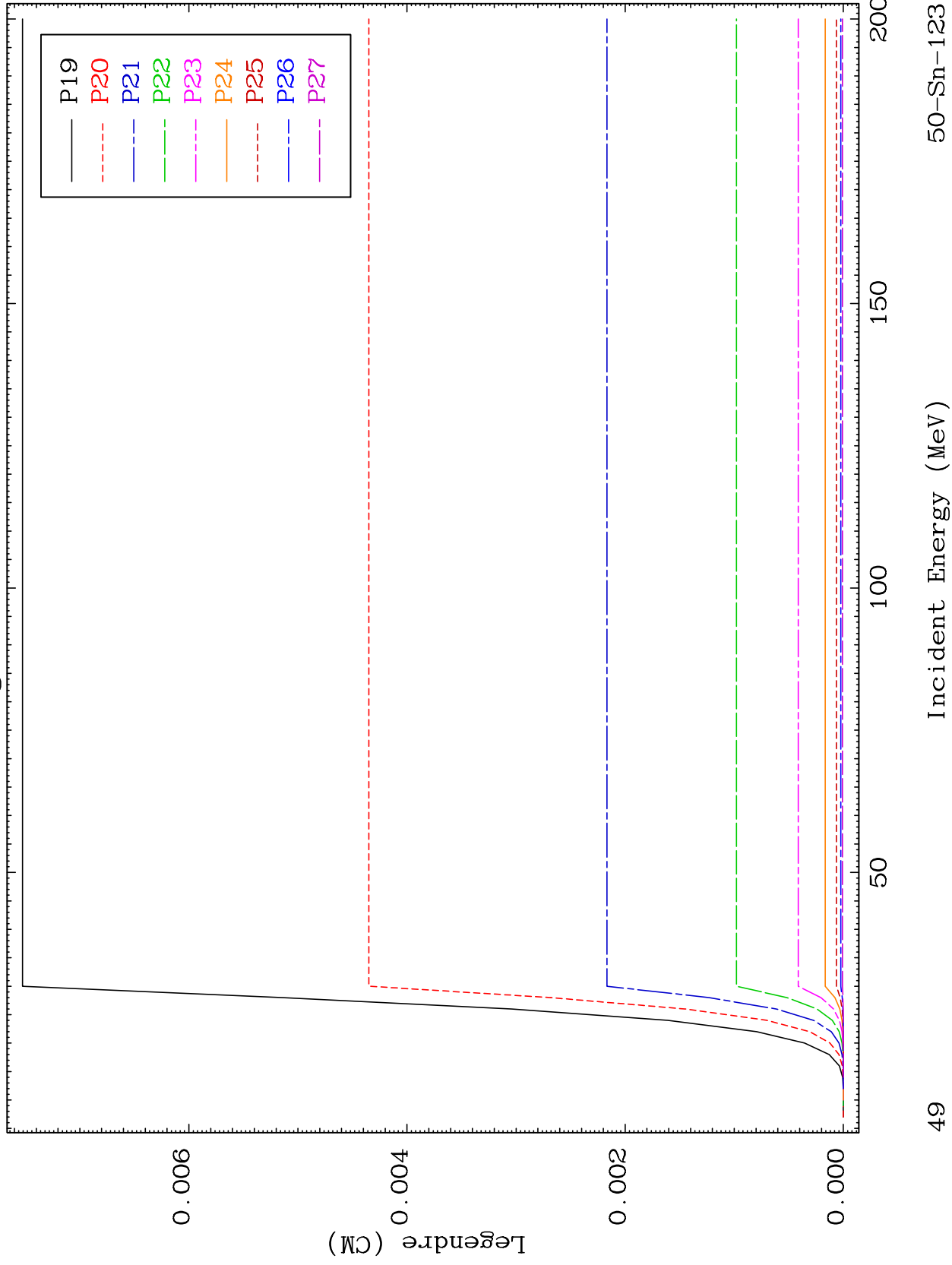
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



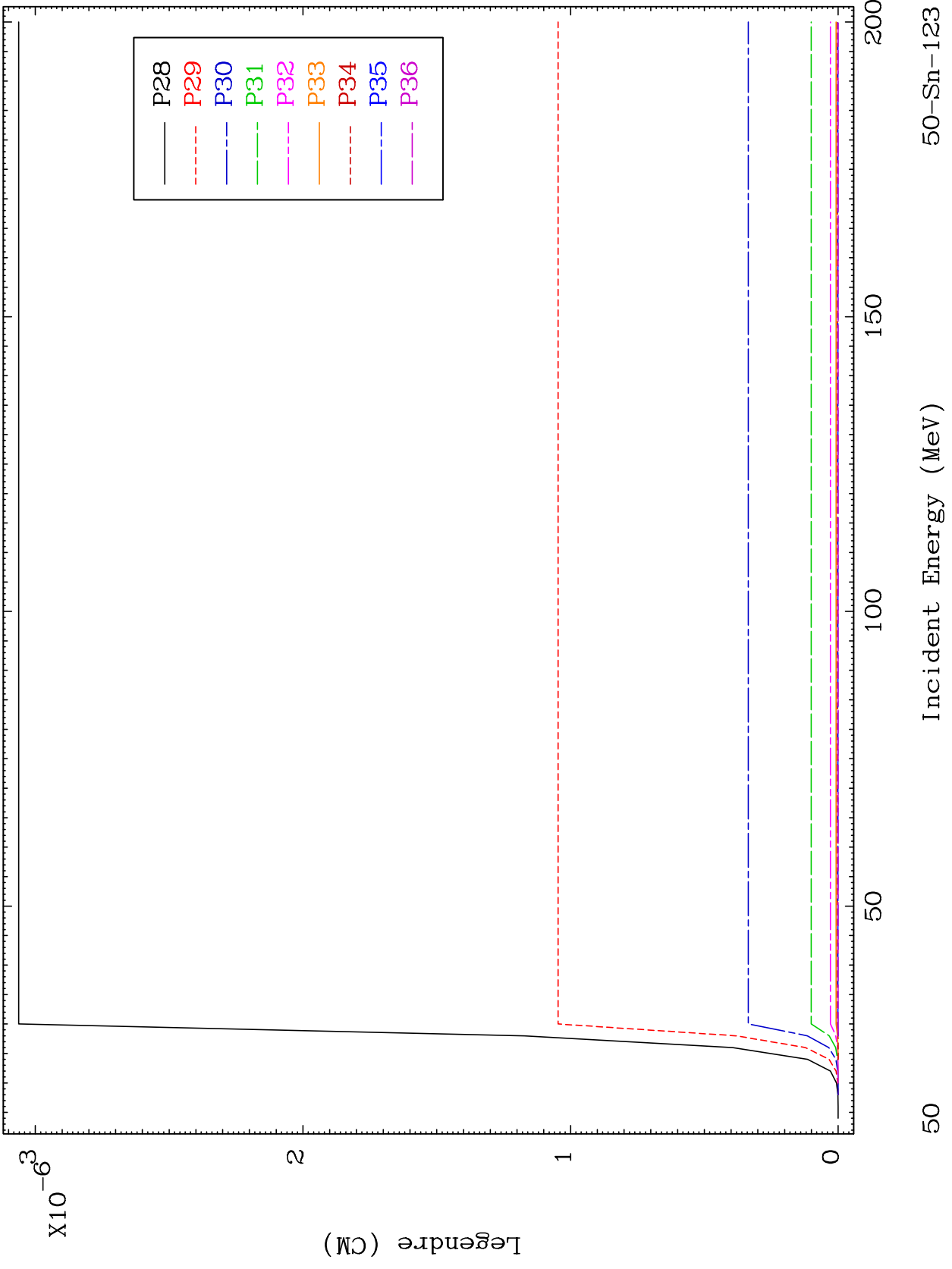
49

50-Sn-123

MAT 5058

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

50-Sn-123

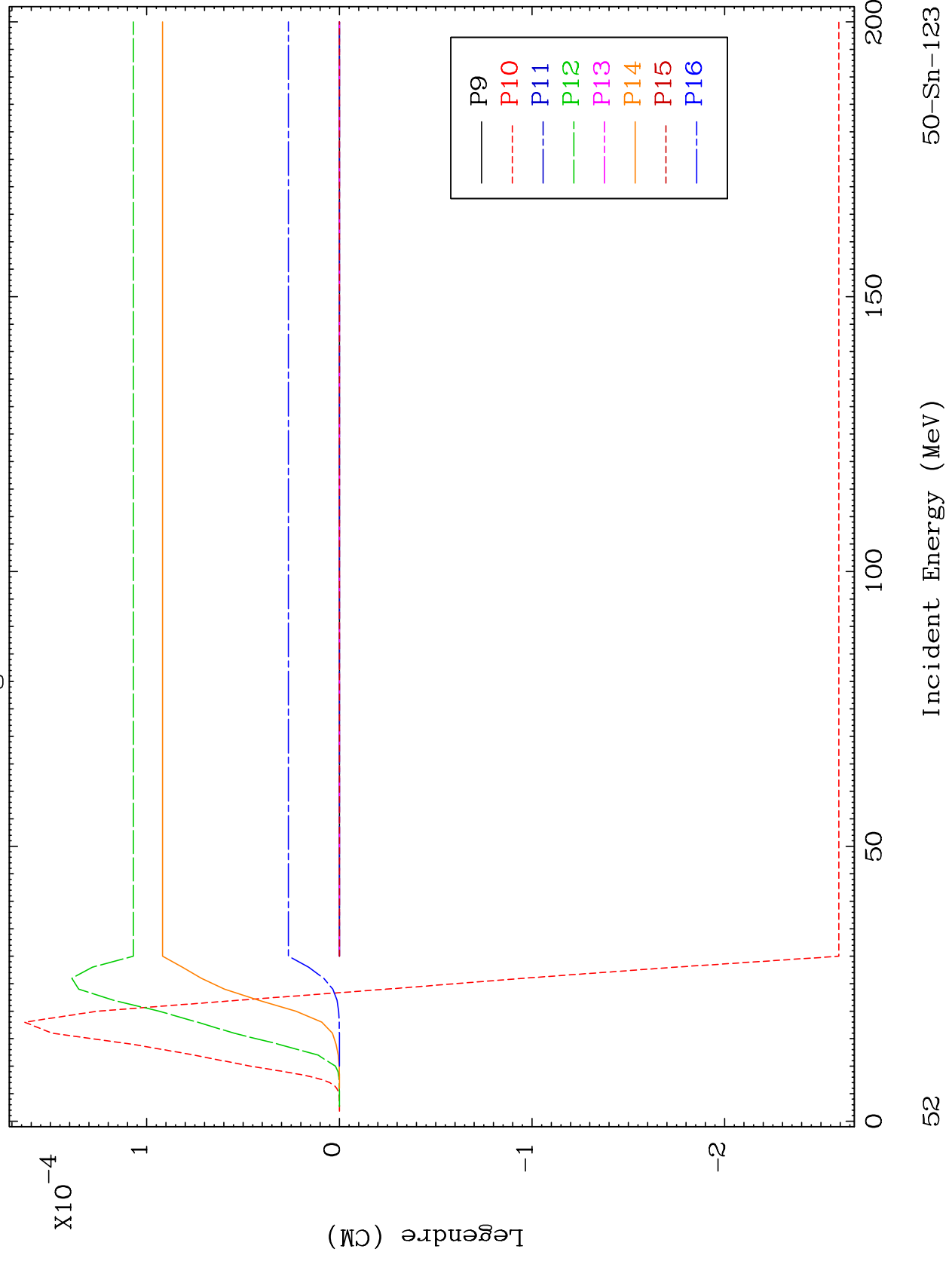




MAT 5058

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

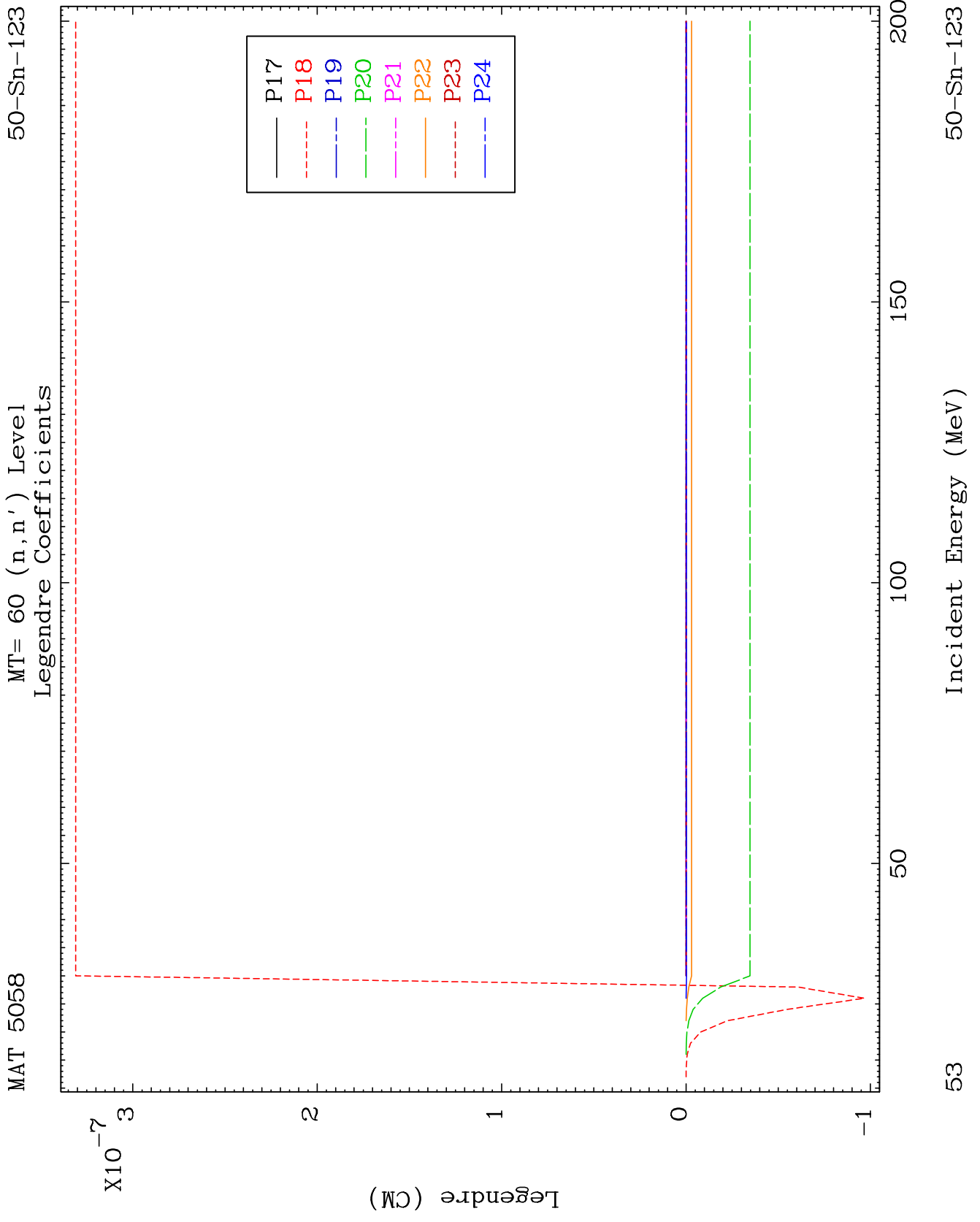
50-Sn-123



52

Incident Energy (MeV)

50-Sn-123

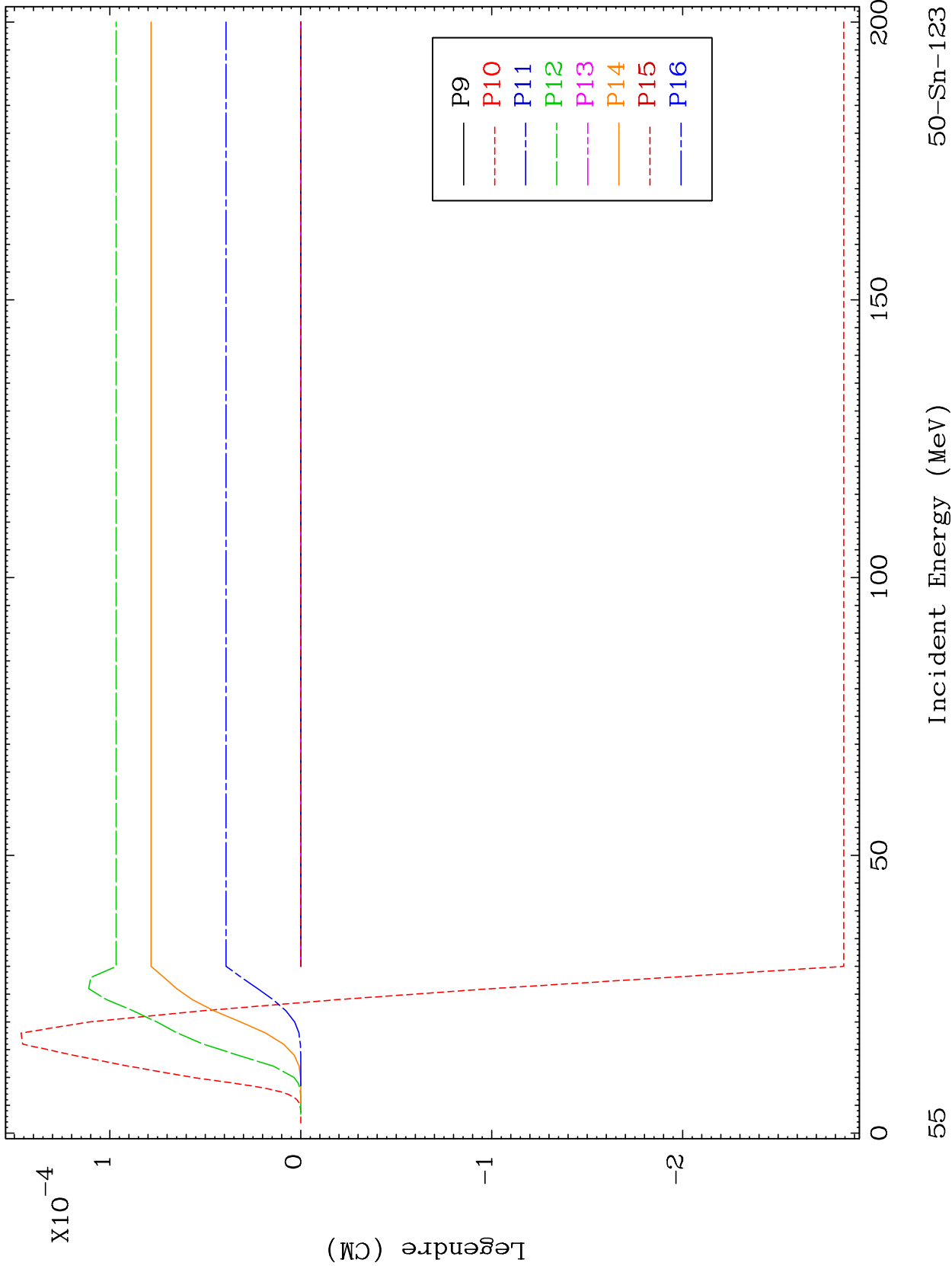




MAT 5058

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

50-Sn-123

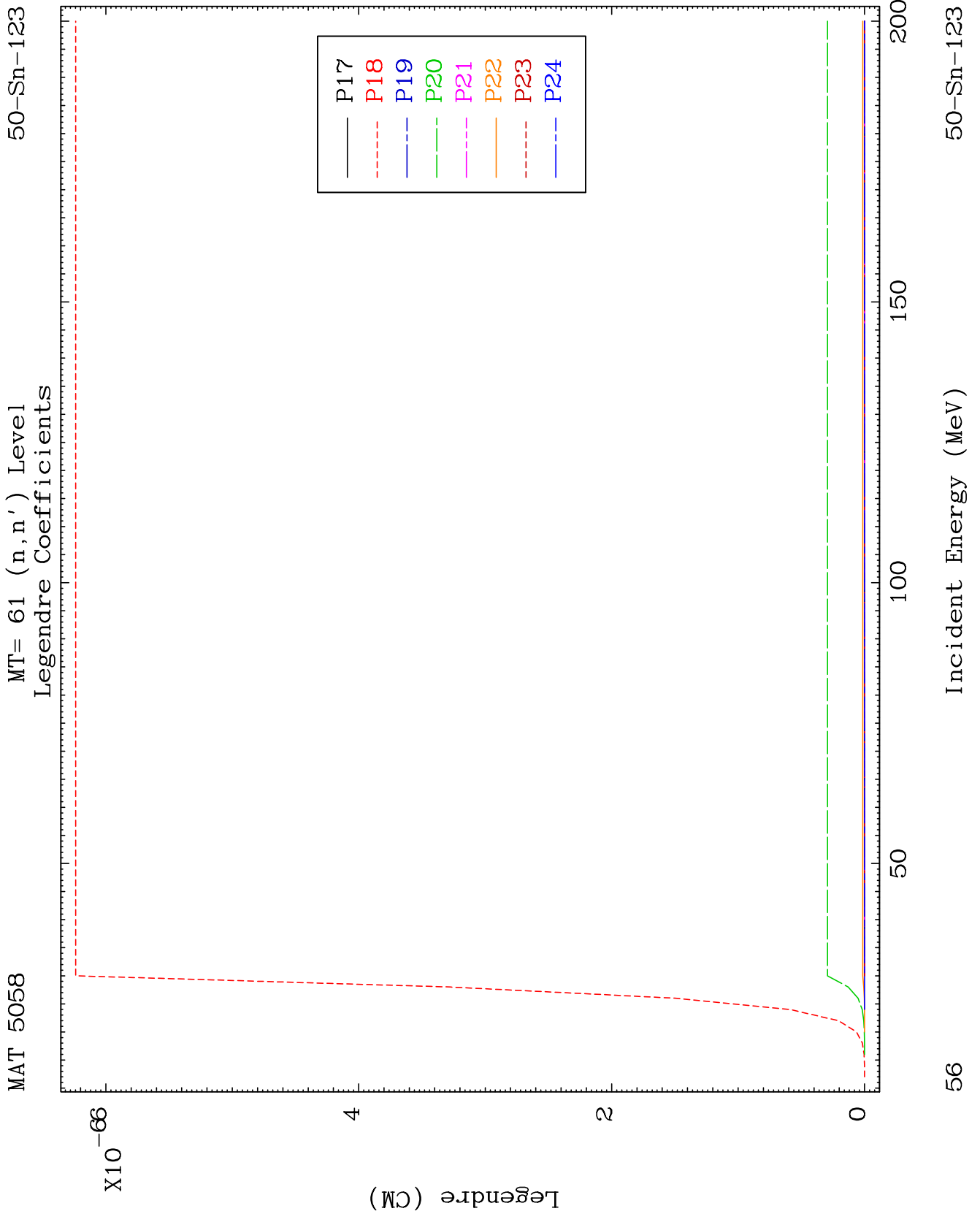


50-Sn-123

Incident Energy (MeV)

55



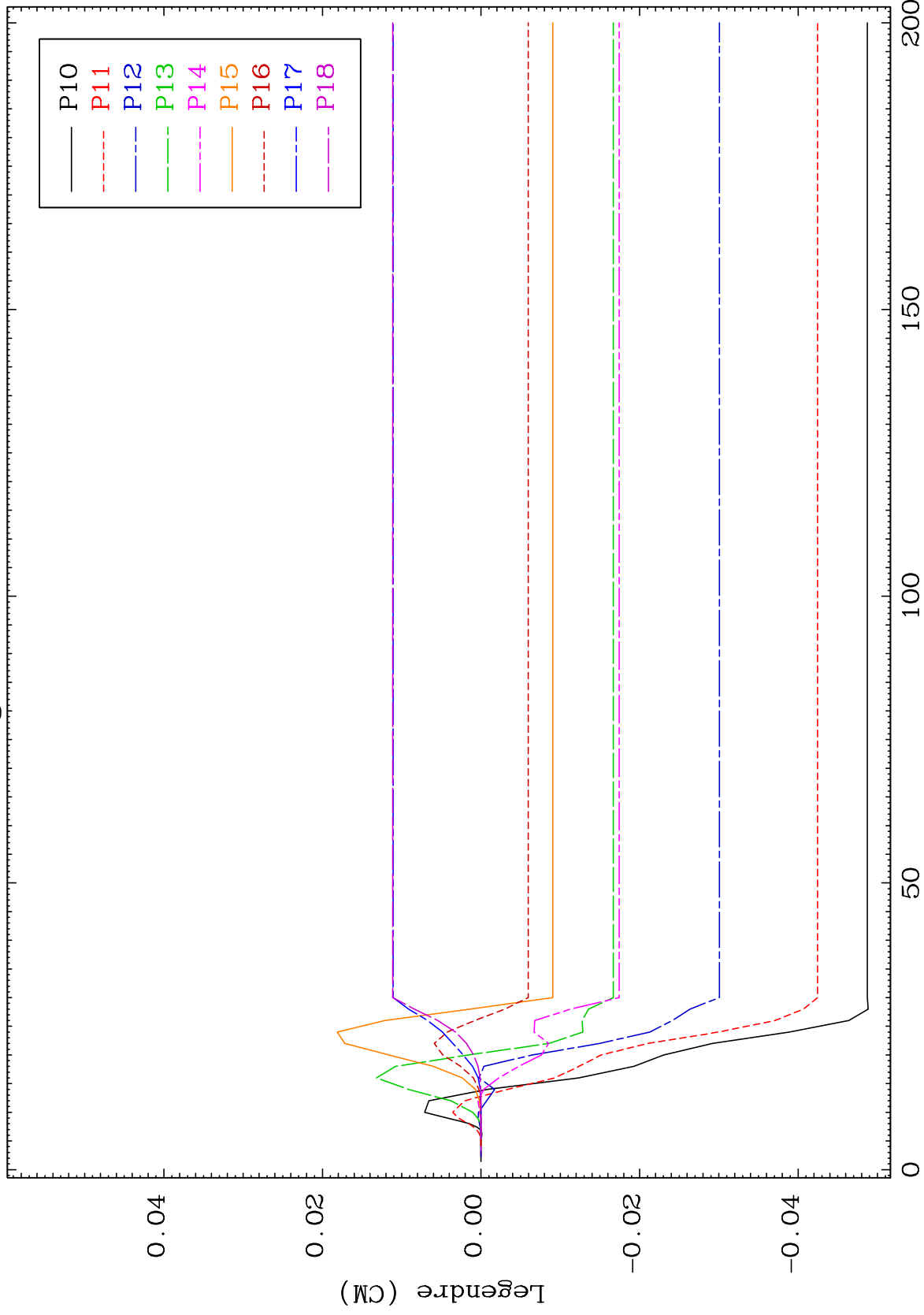




MAT 5058

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

50-Sn-123



58

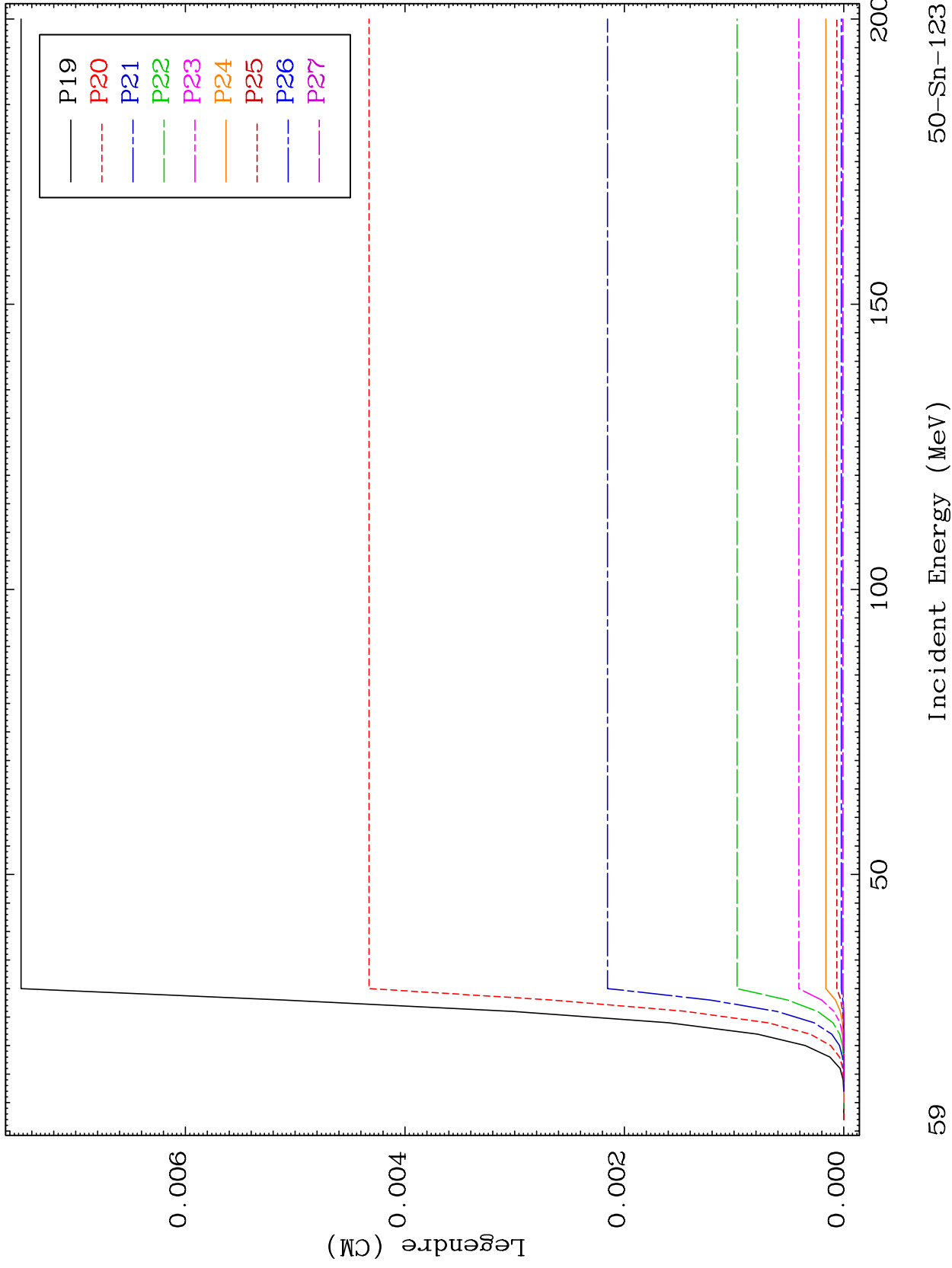
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



59

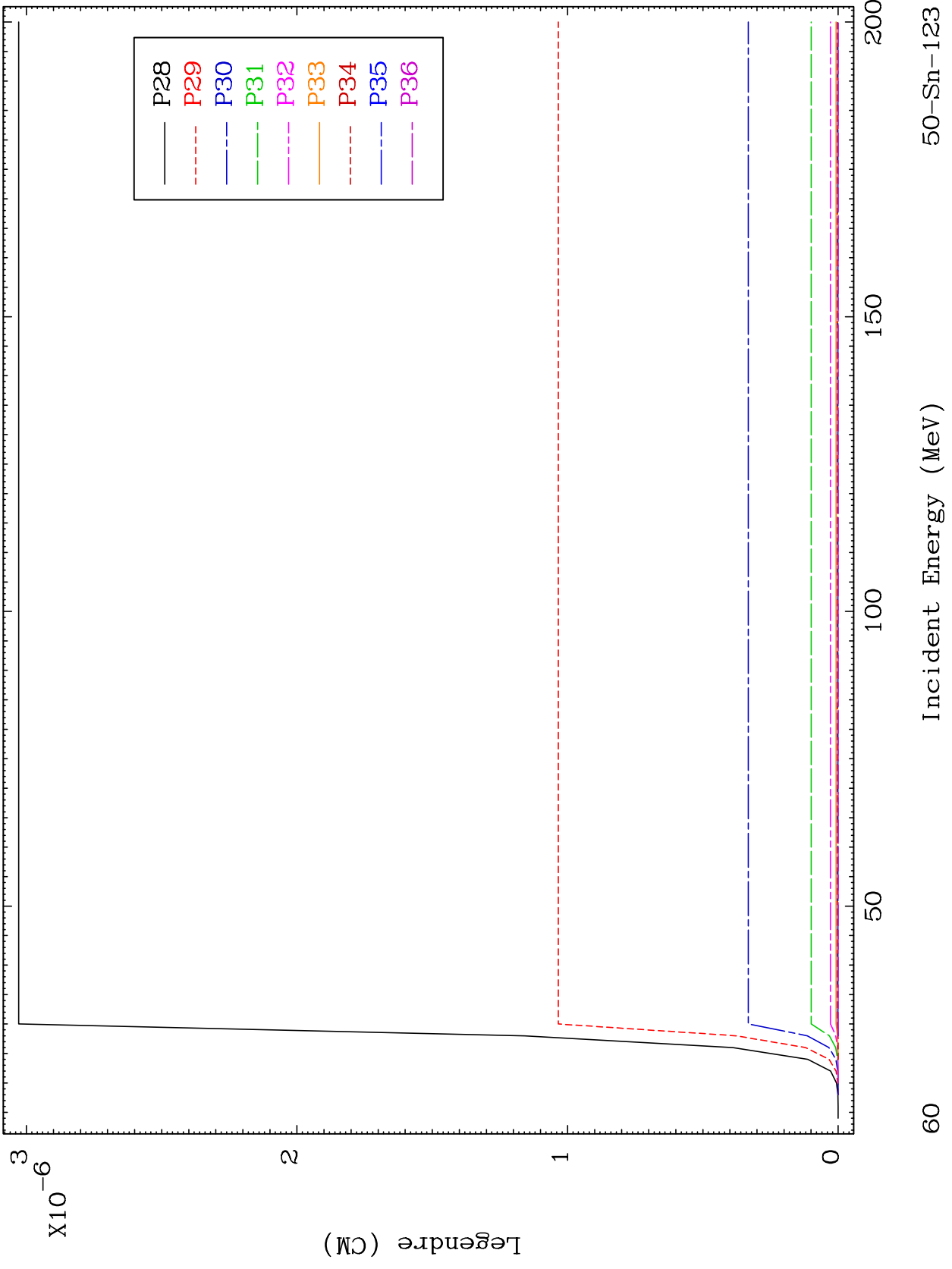
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123

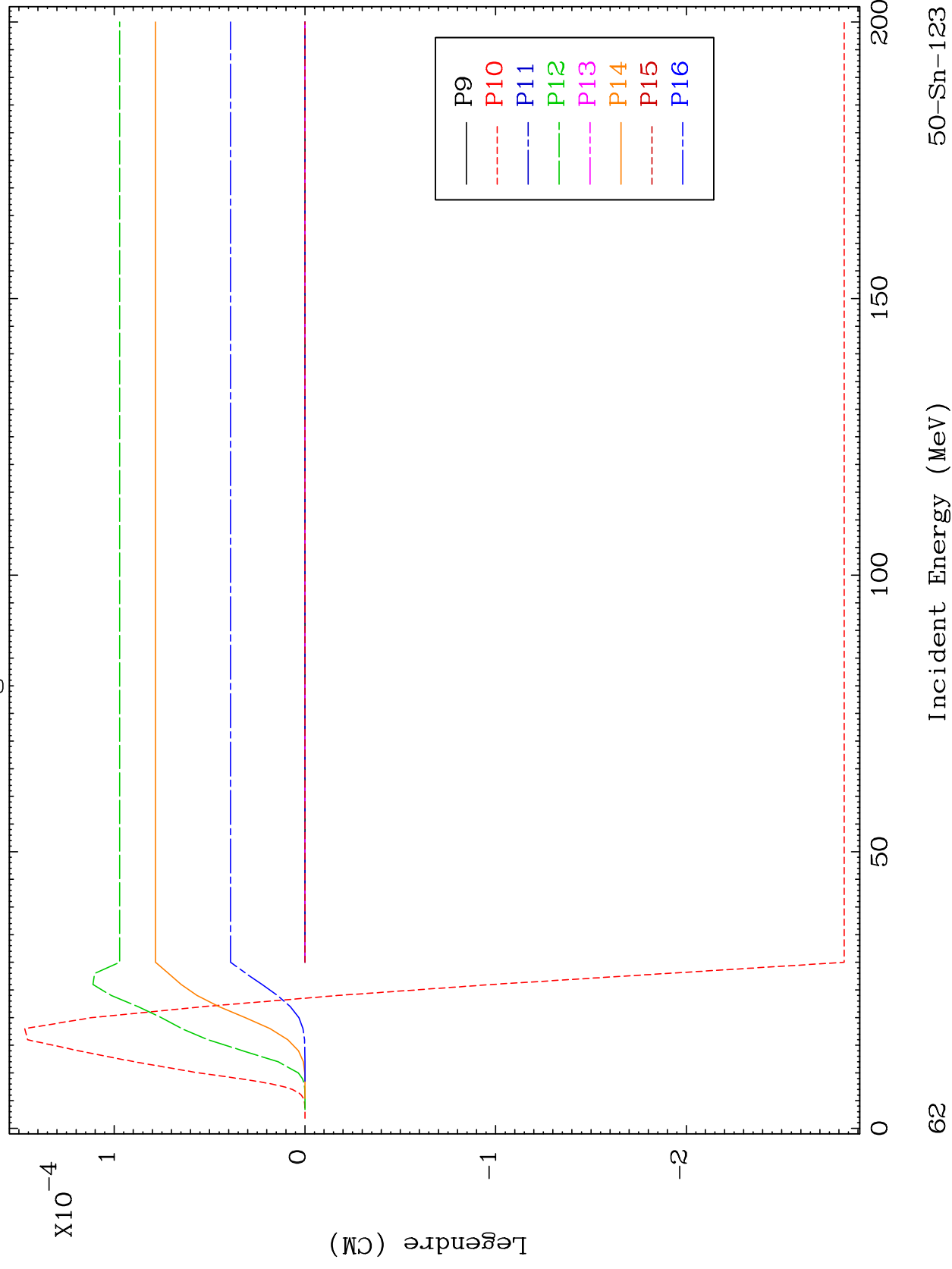




MAT 5058

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

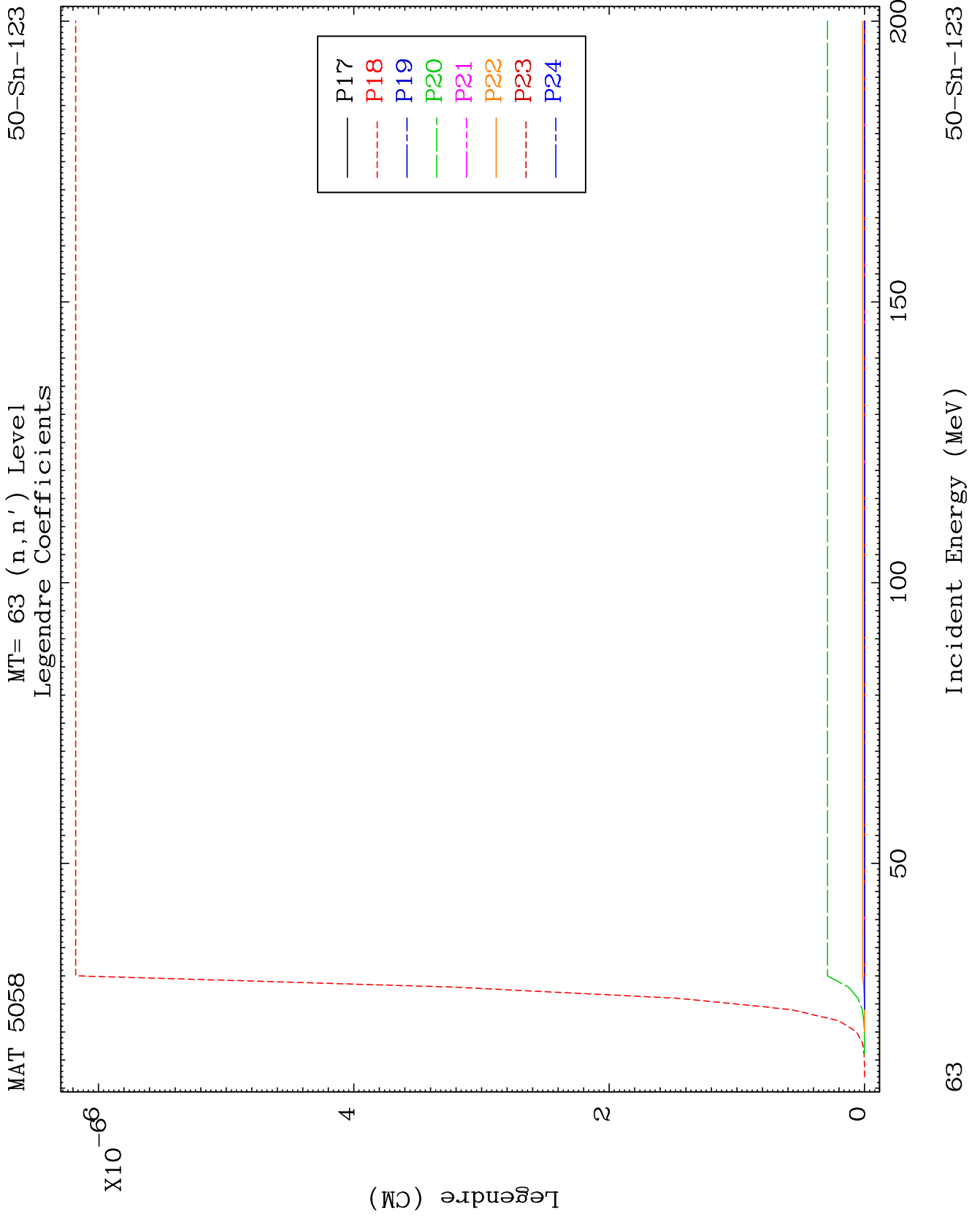
50-Sn-123



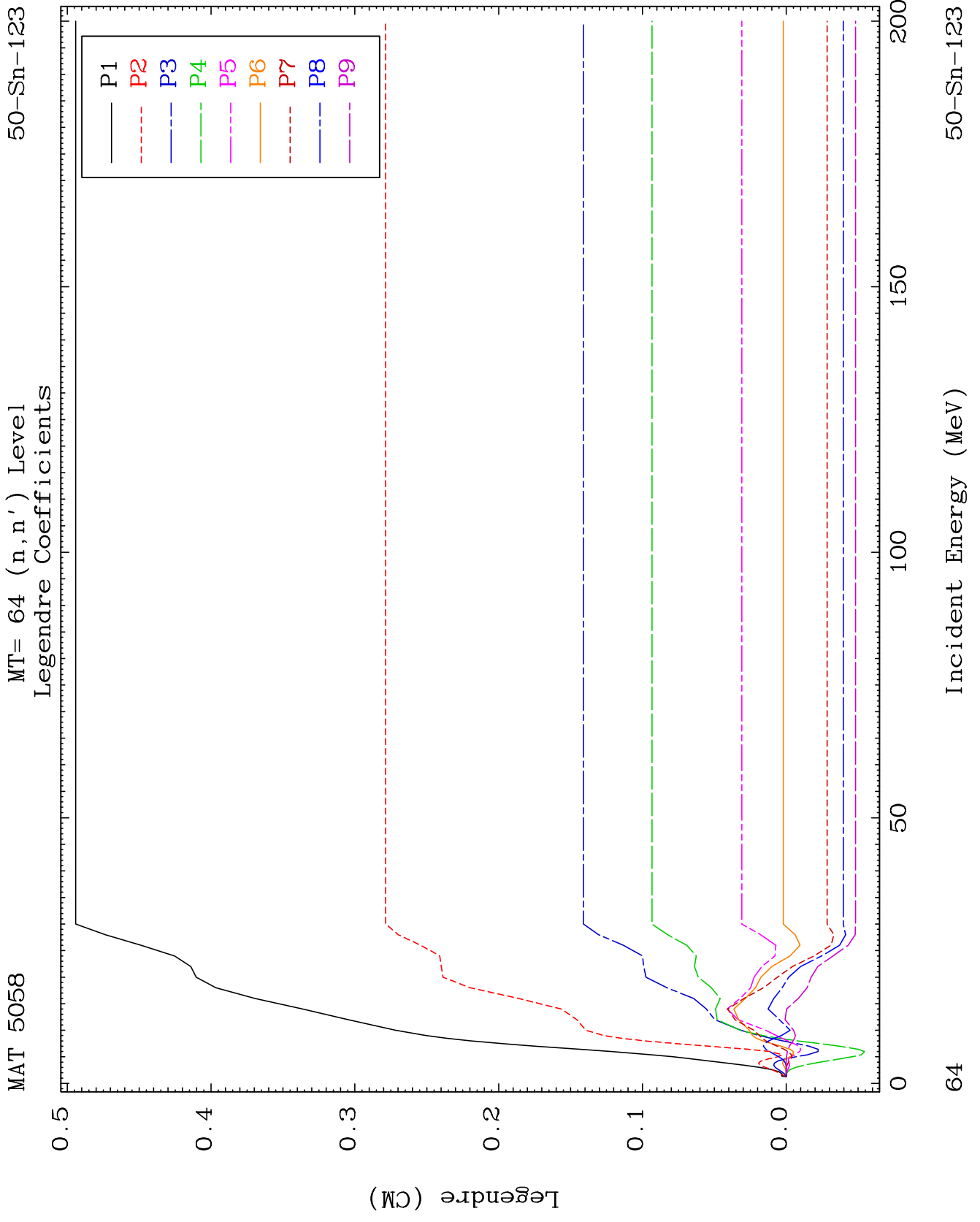
62

Incident Energy (MeV)

50-Sn-123



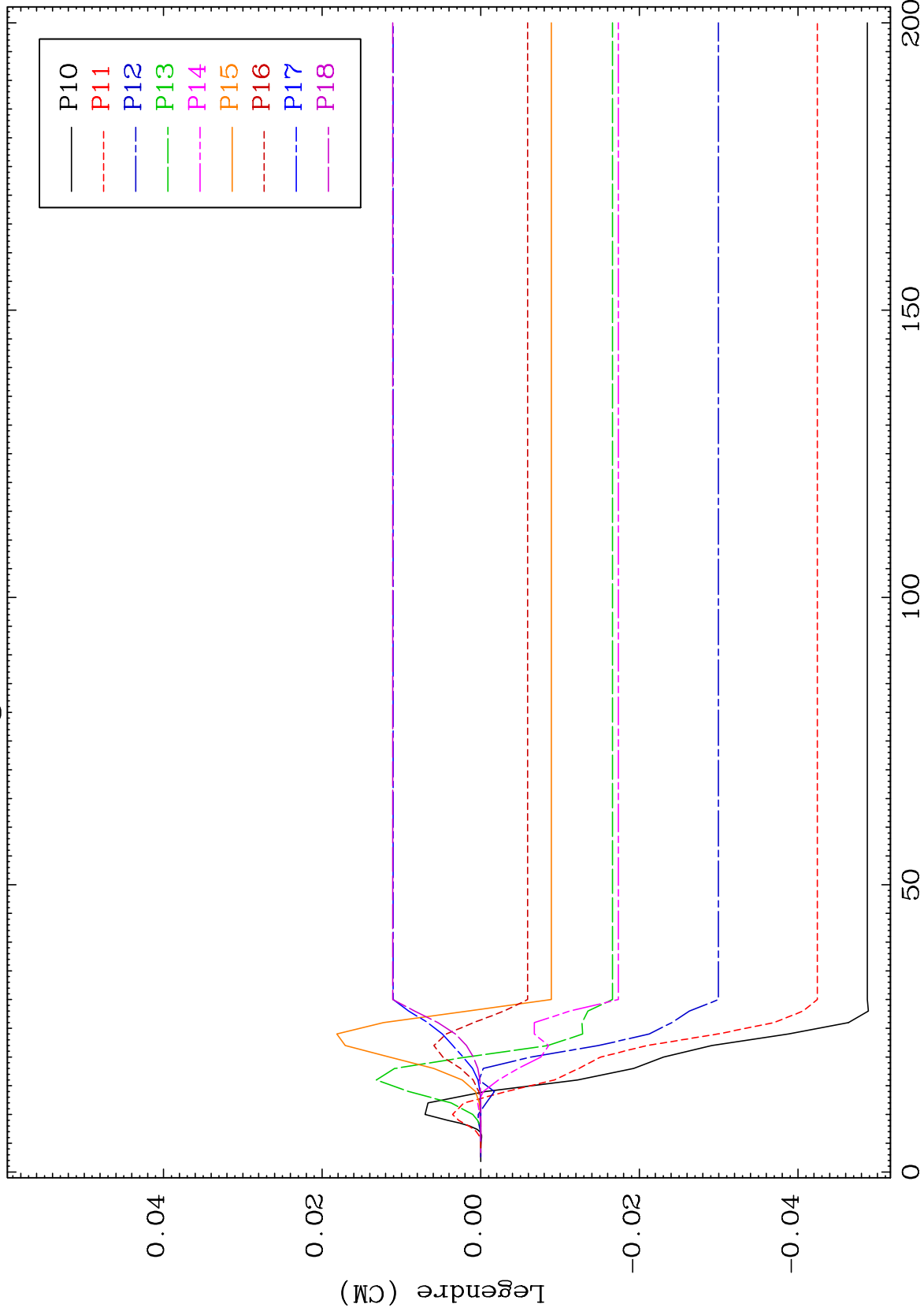




MAT 5058

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

50-Sn-123



65

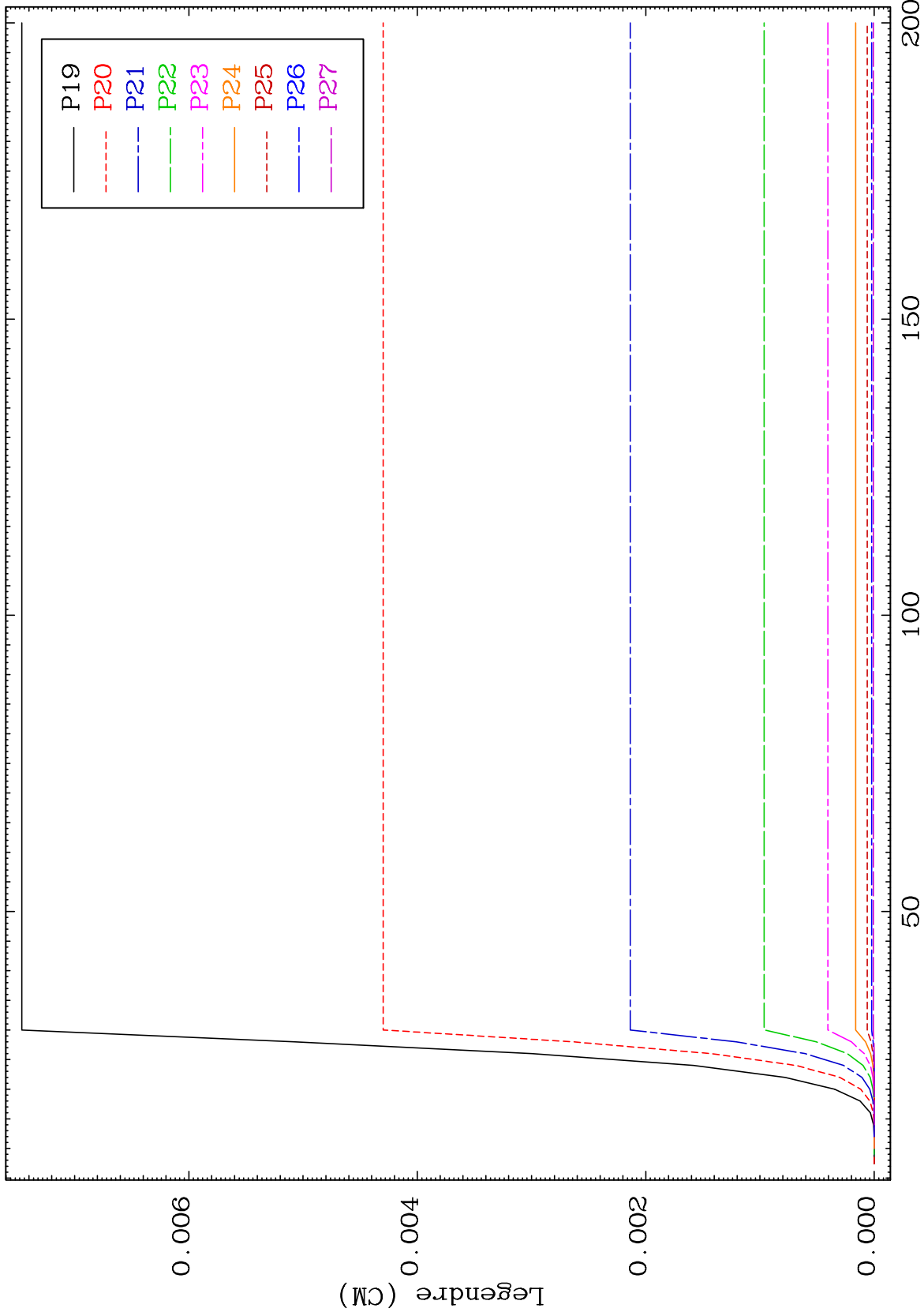
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



66

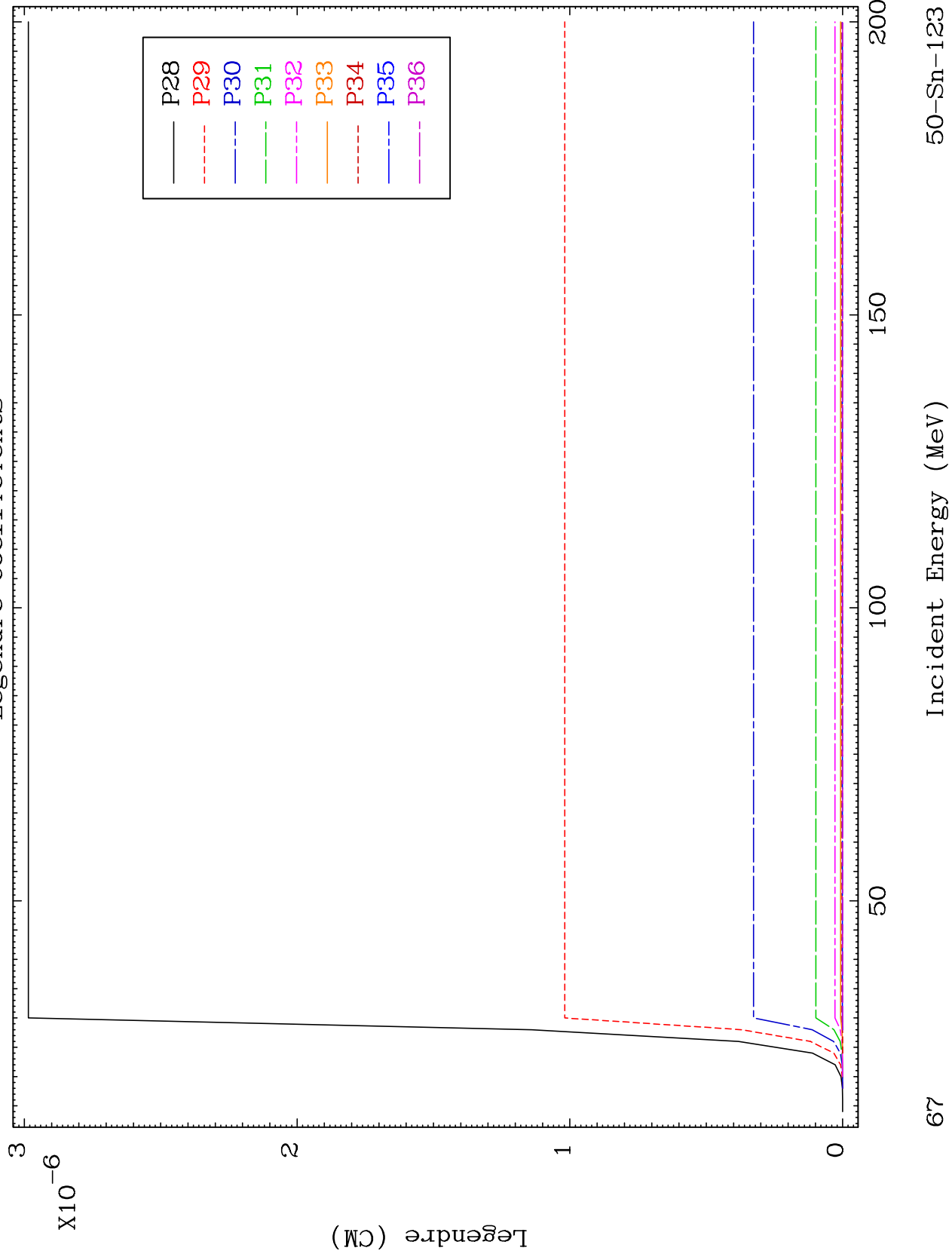
Incident Energy (MeV)

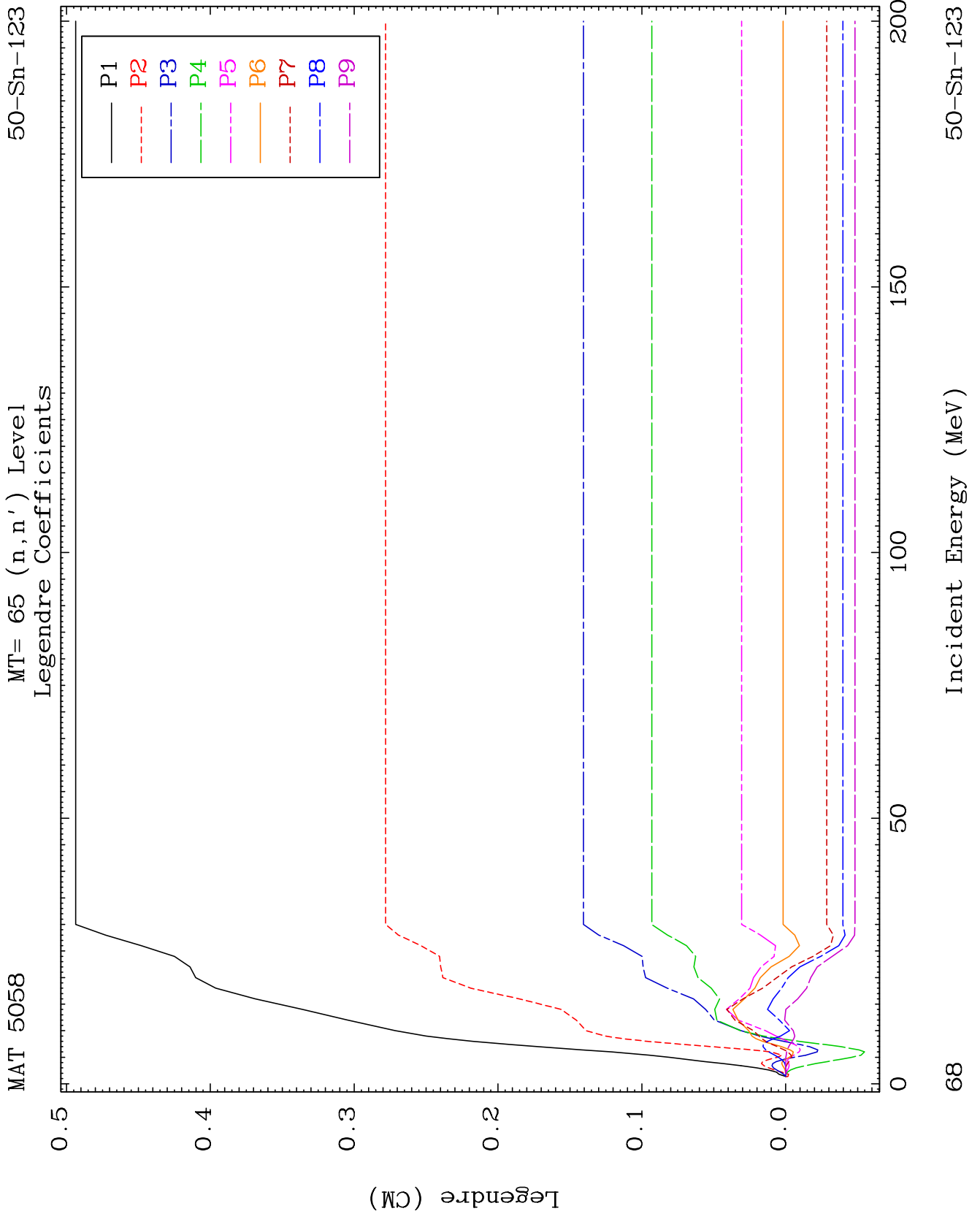
50-Sn-123

MAT 5058

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

50-Sn-123

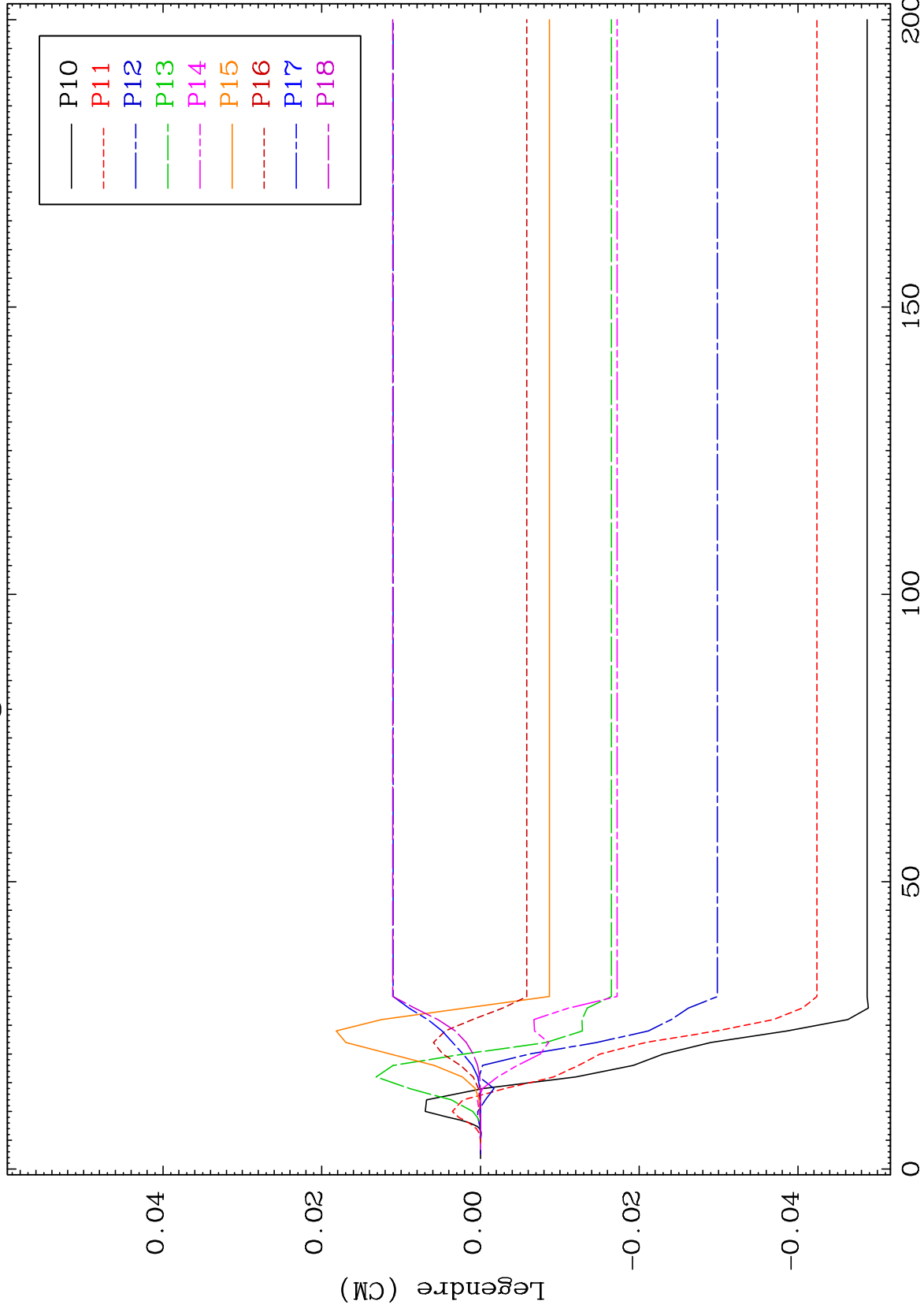




MAT 5058

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

50-Sn-123



69

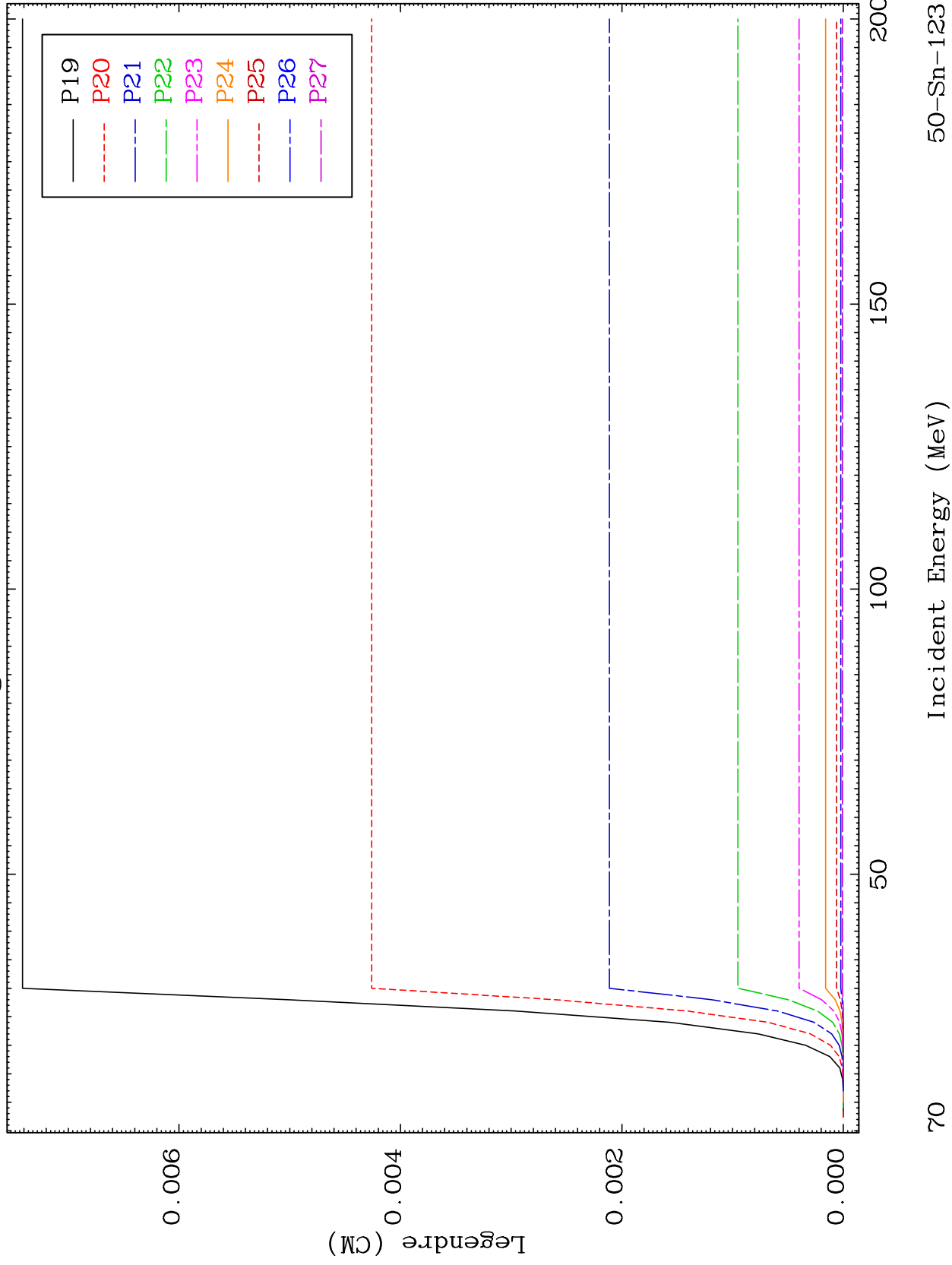
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



70

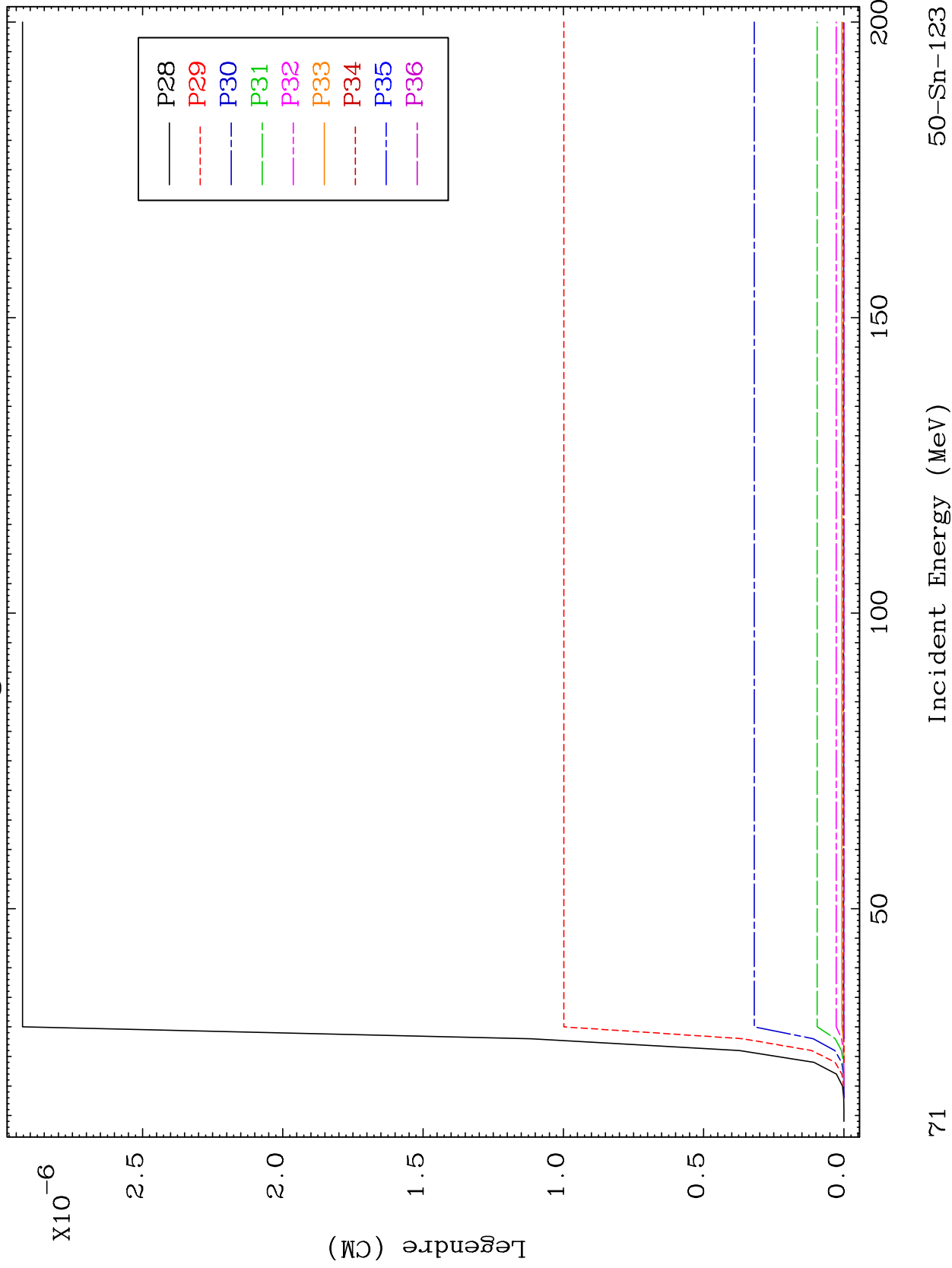
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123

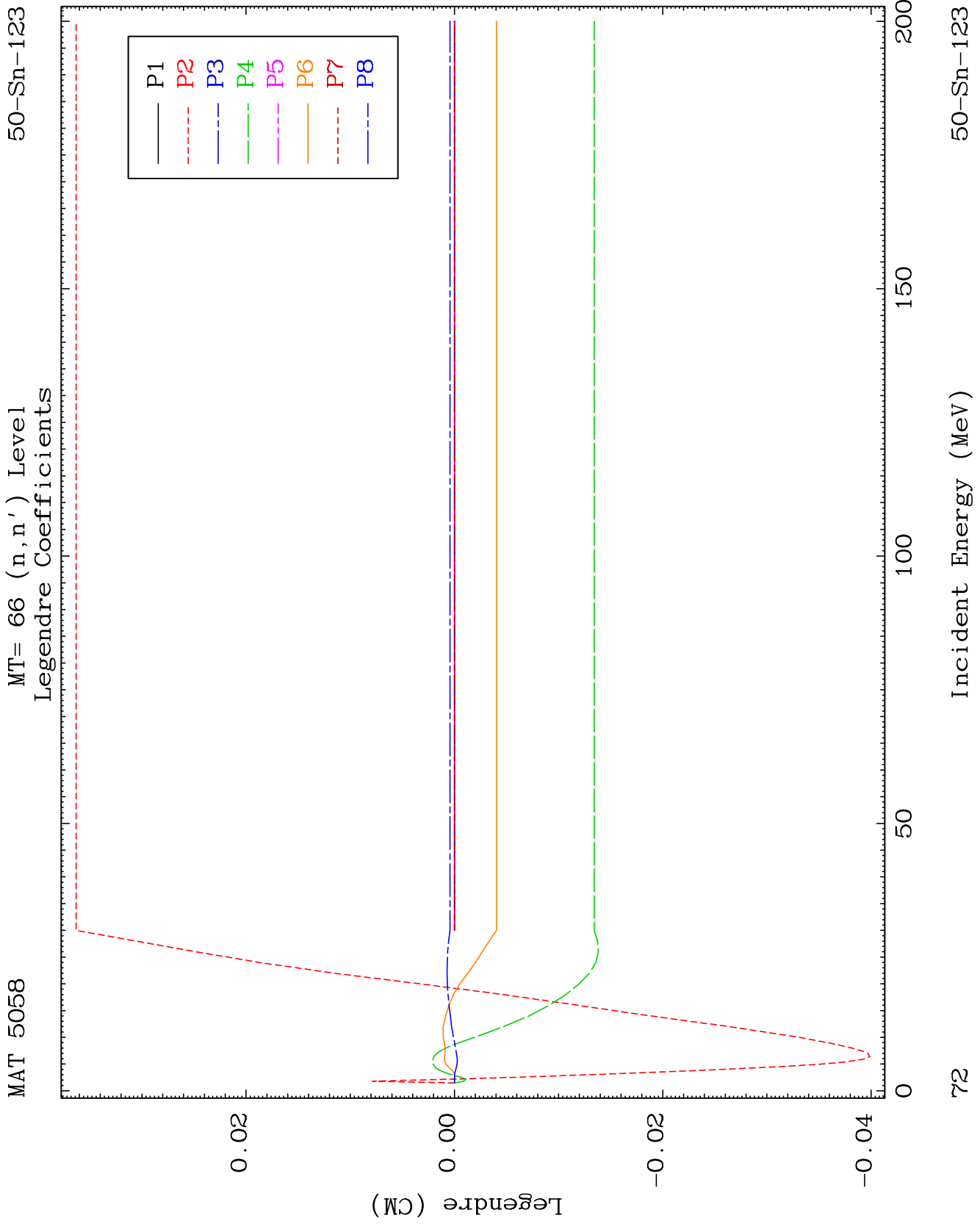


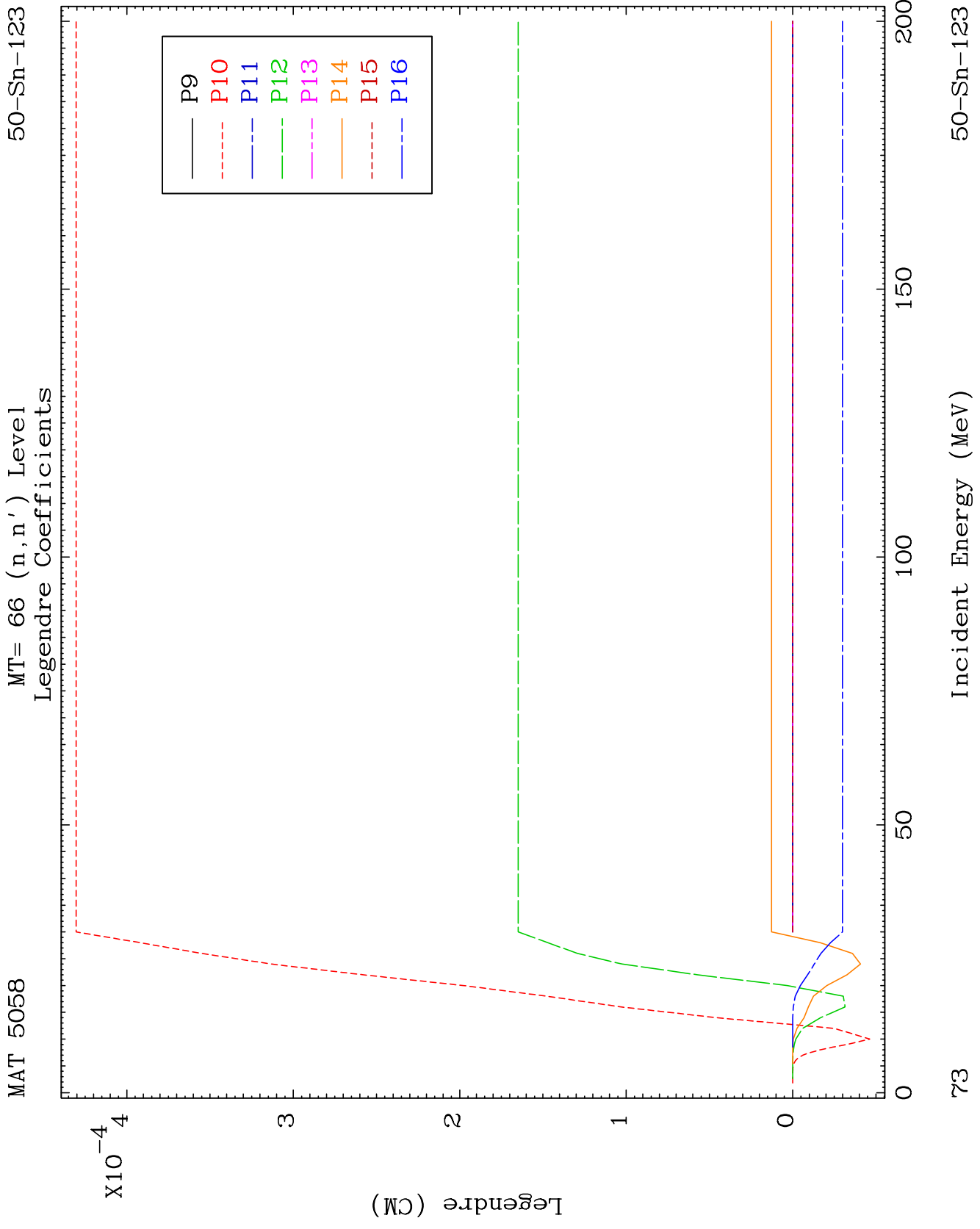
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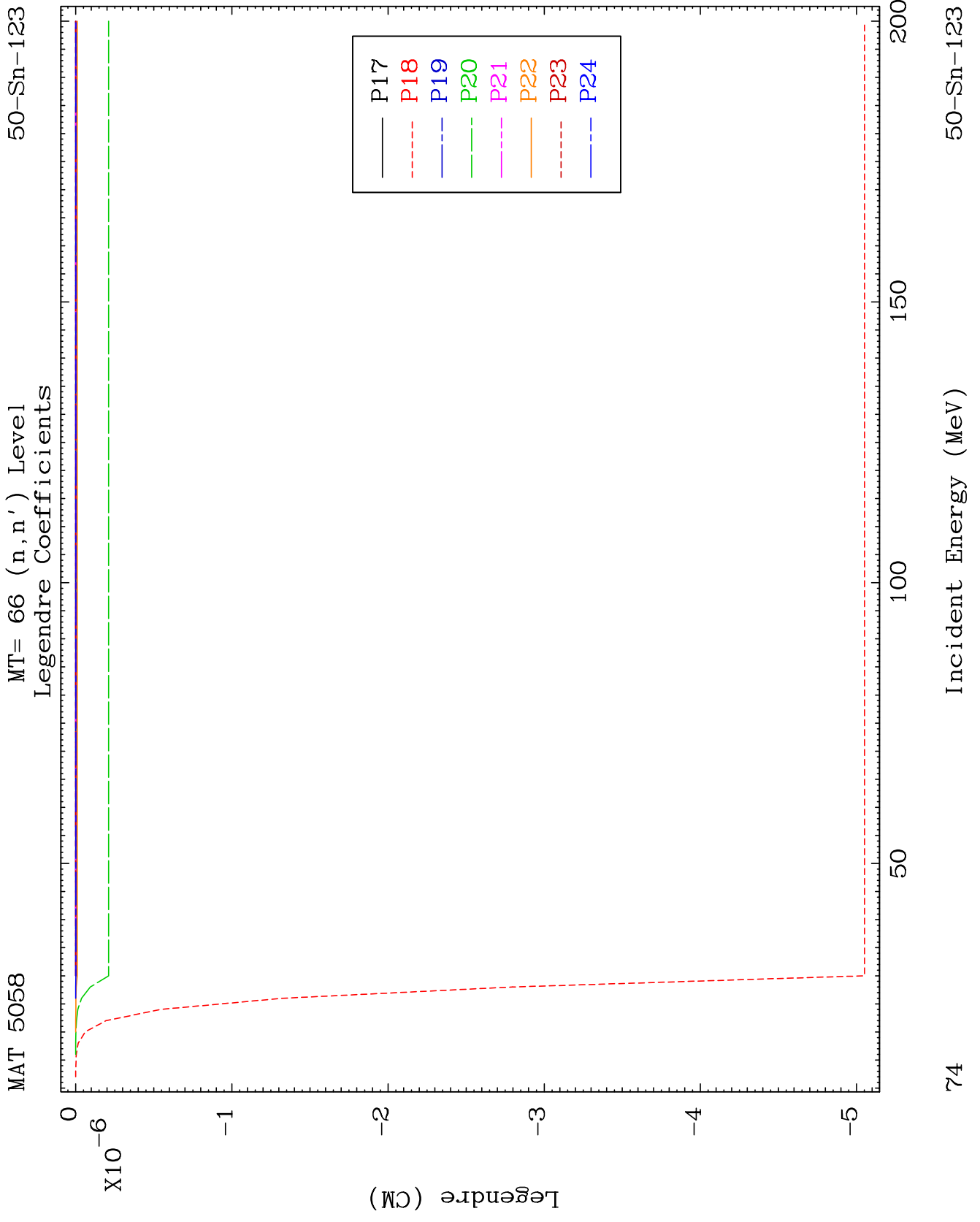
Incident Energy (MeV)

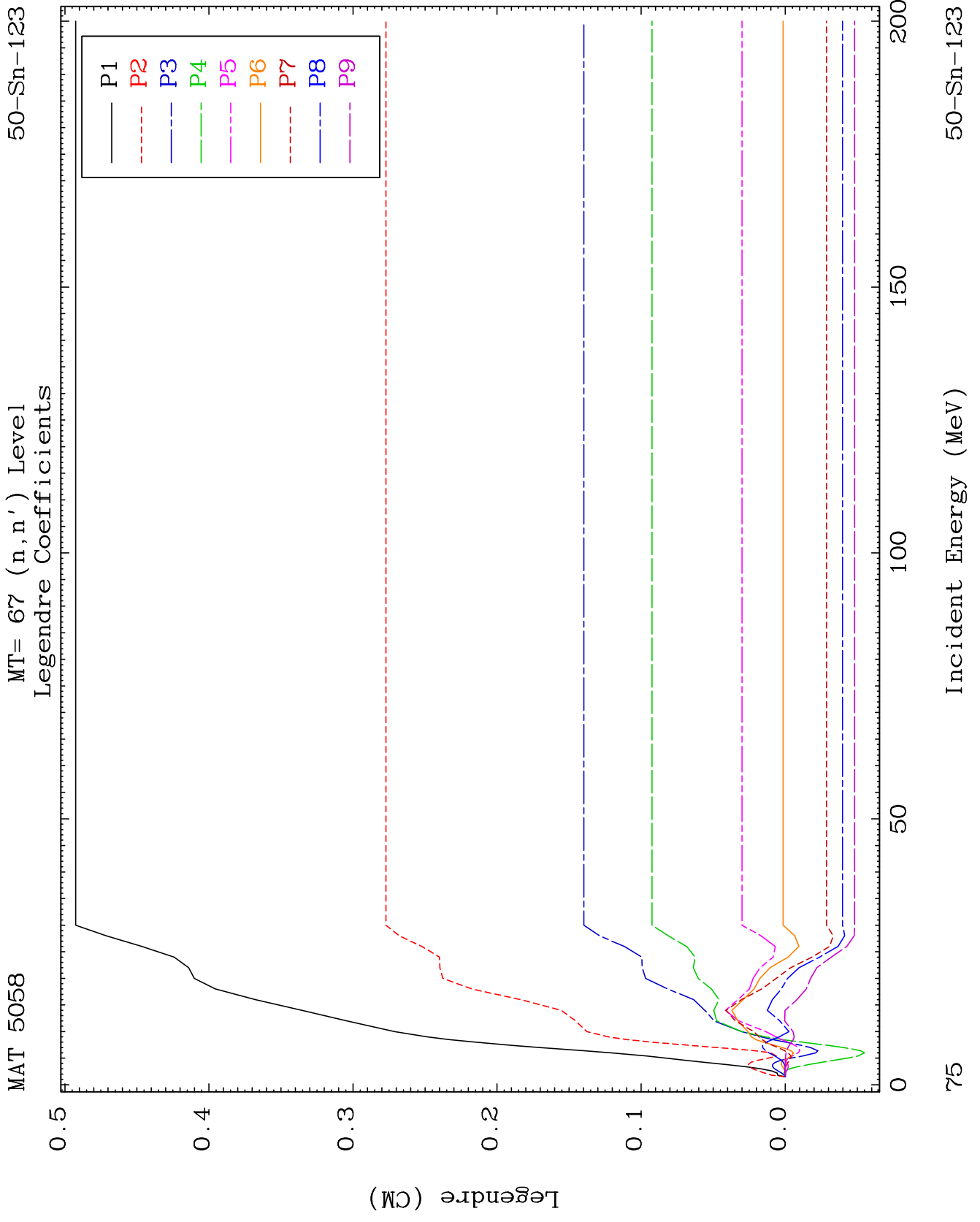
50-Sn-123







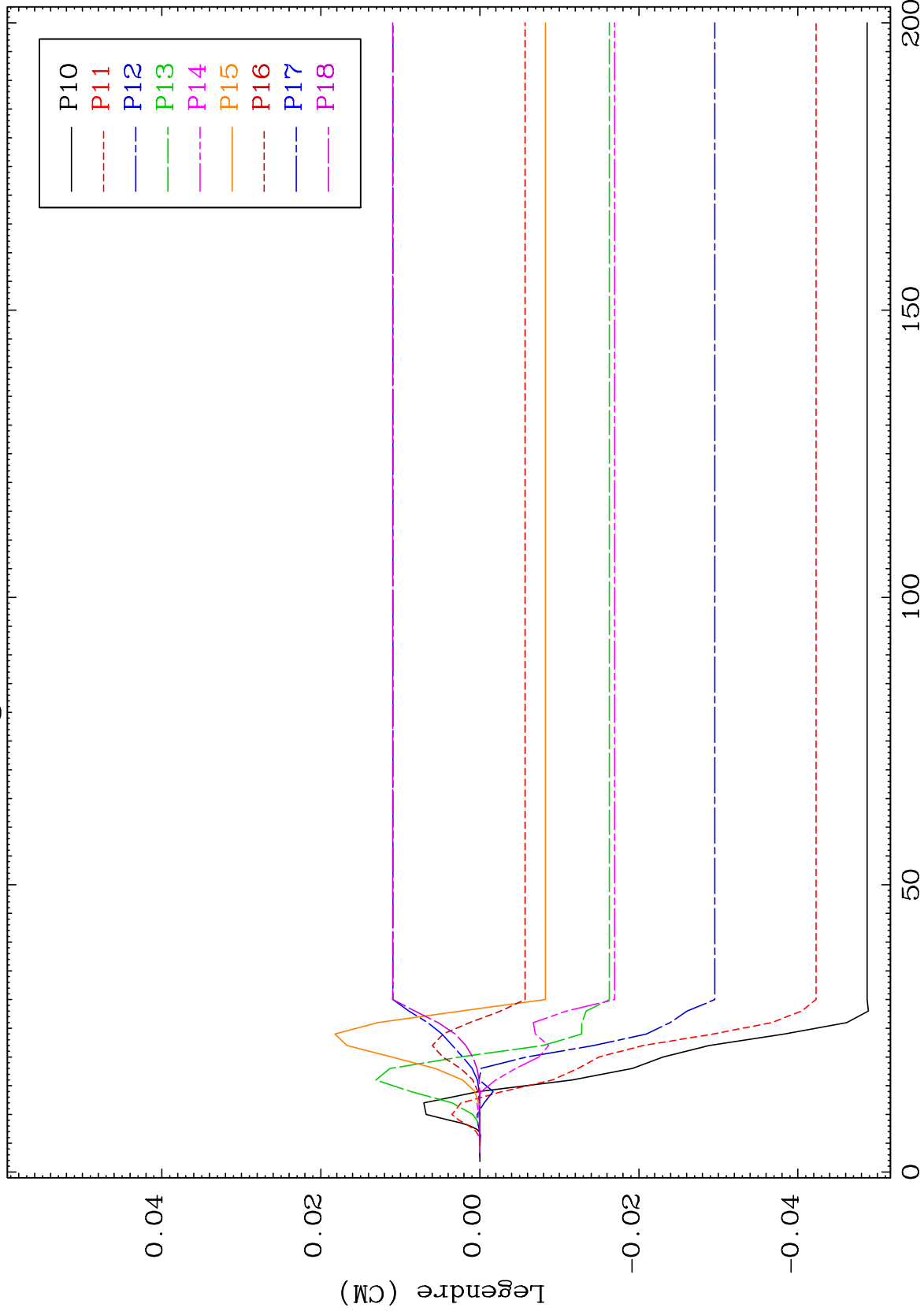




MAT 5058

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

50-Sn-123



76

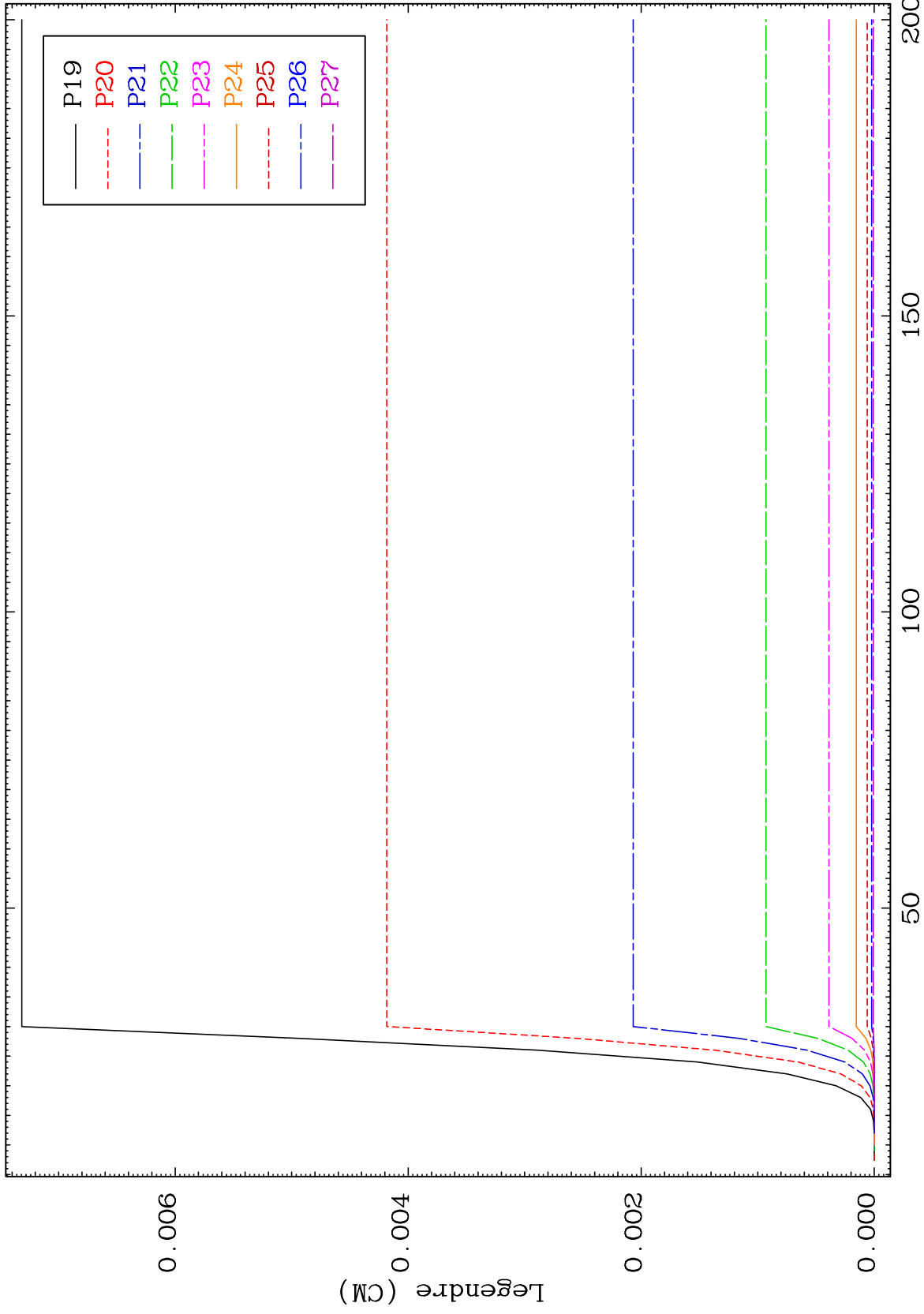
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



77

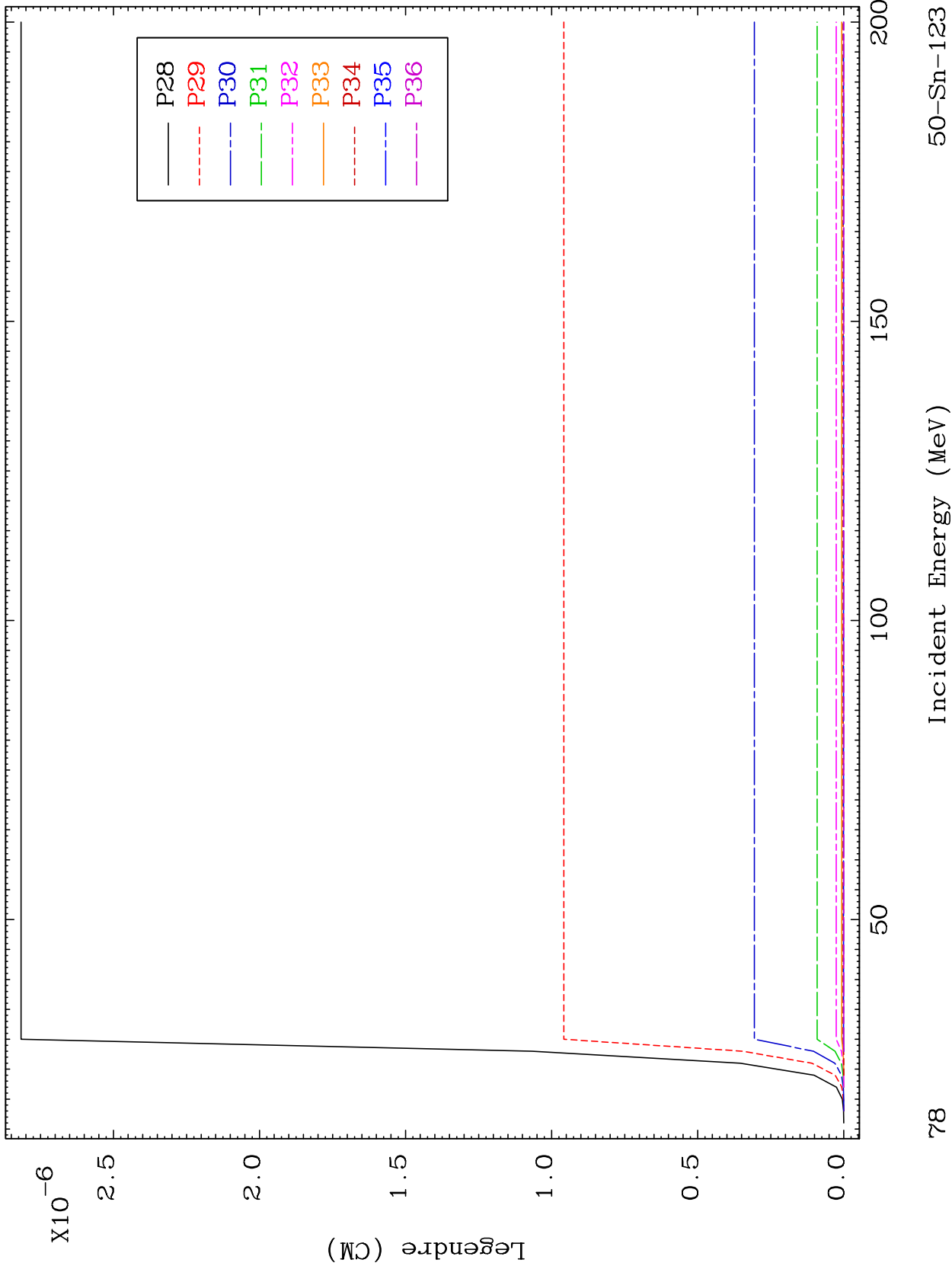
Incident Energy (MeV)

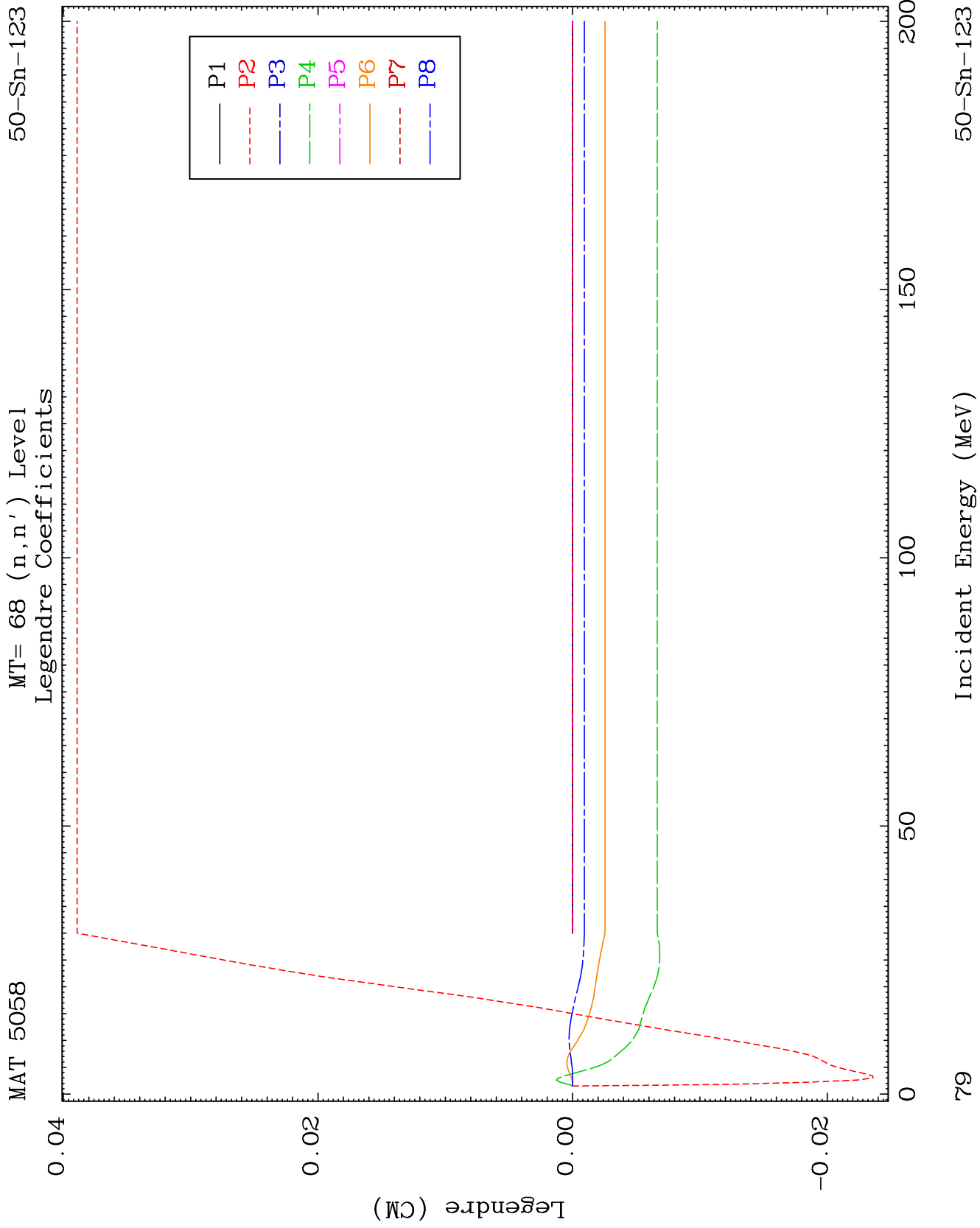
50-Sn-123

MAT 5058

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

50-Sn-123



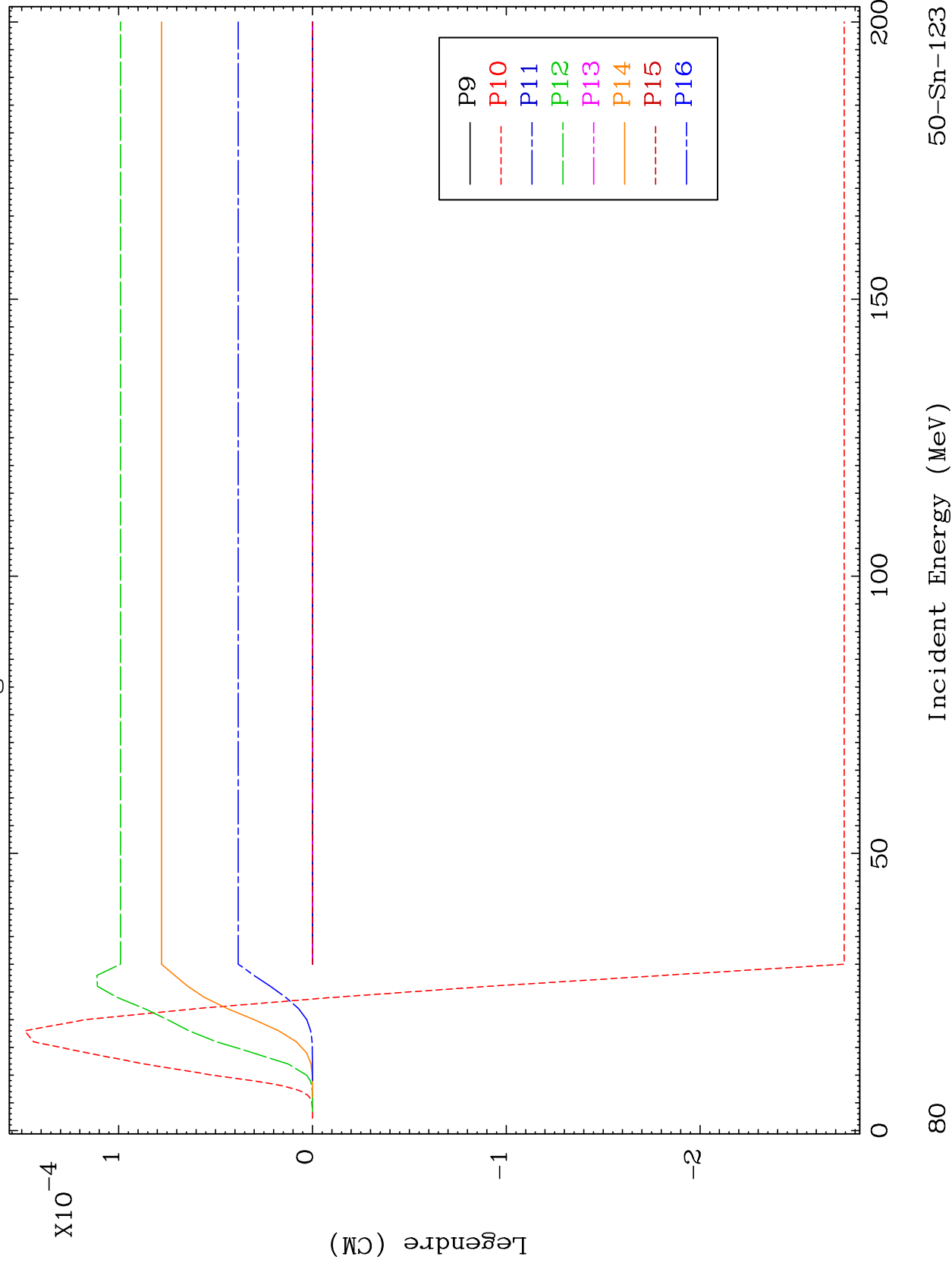




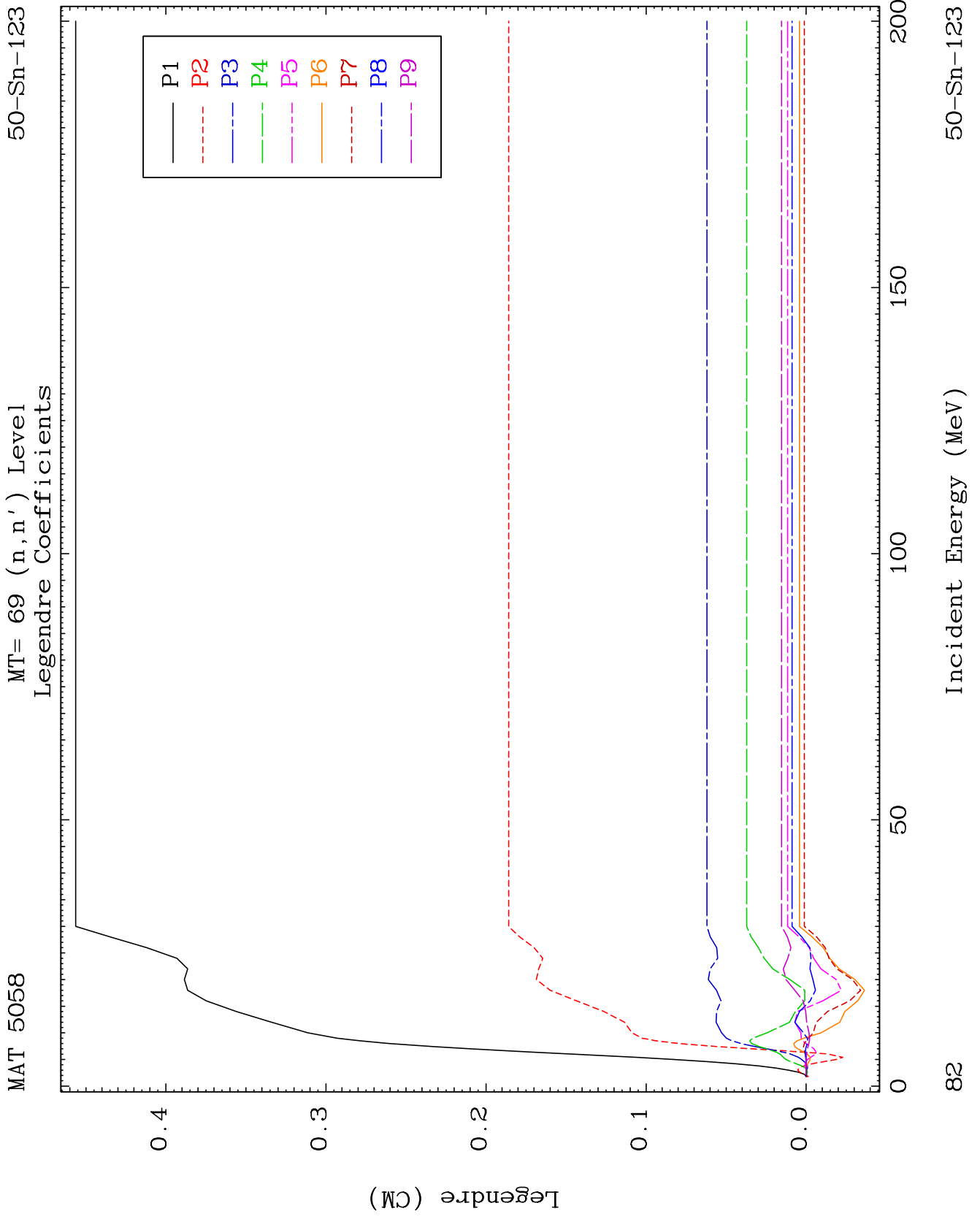
MAT 5058

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

50-Sn-123





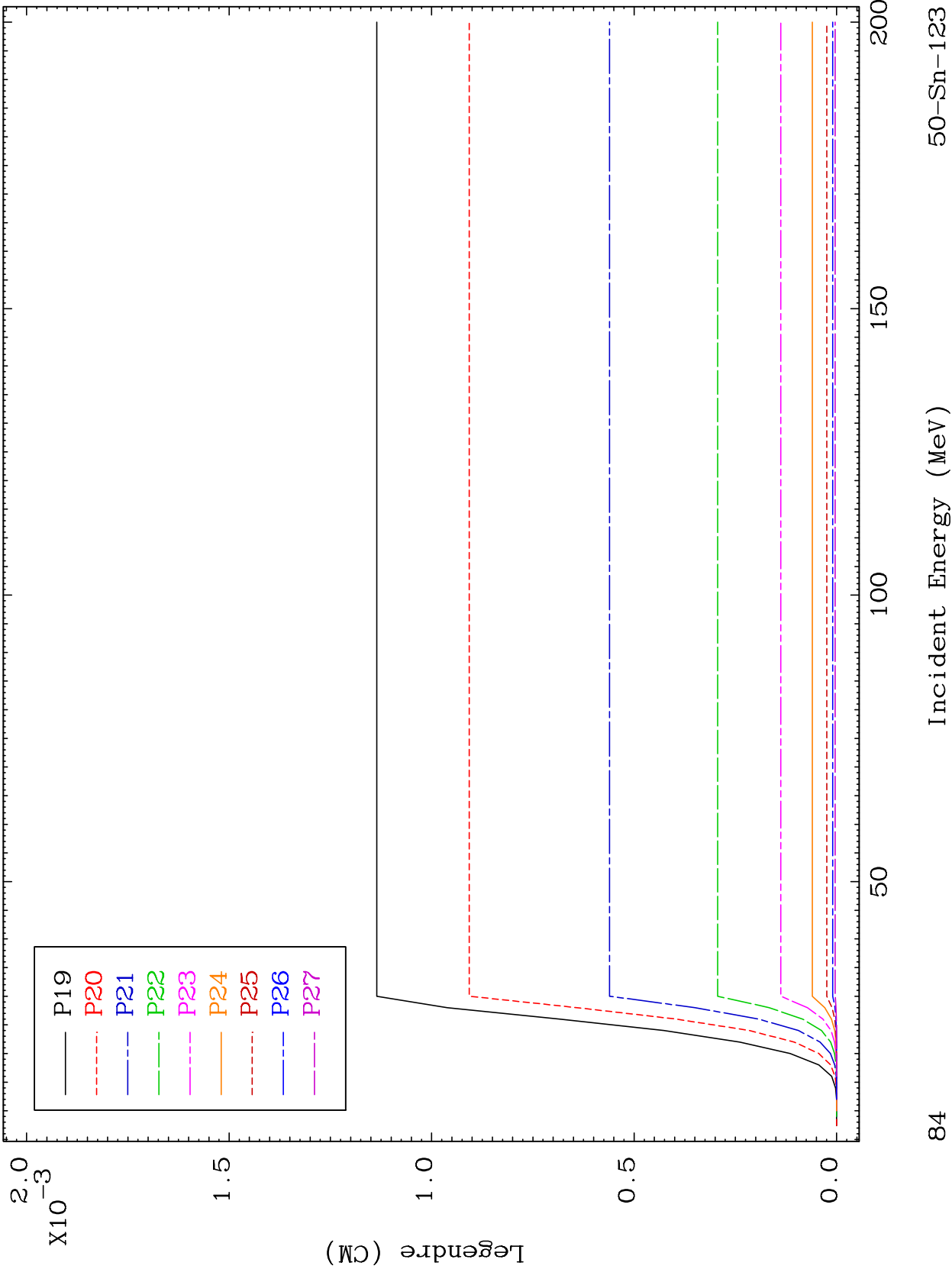




MAT 5058

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

50-Sn-123



84

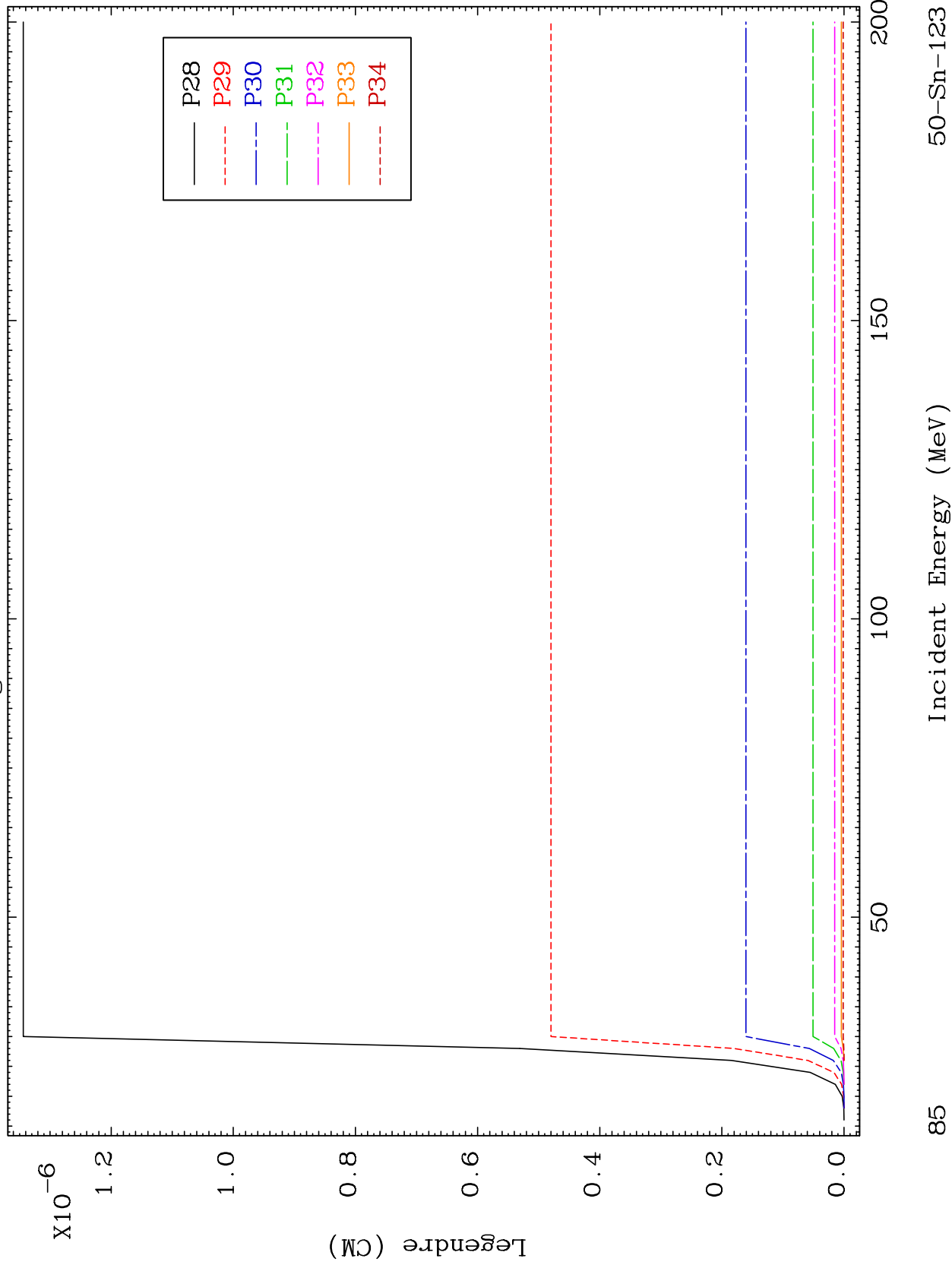
Incident Energy (MeV)

50-Sn-123

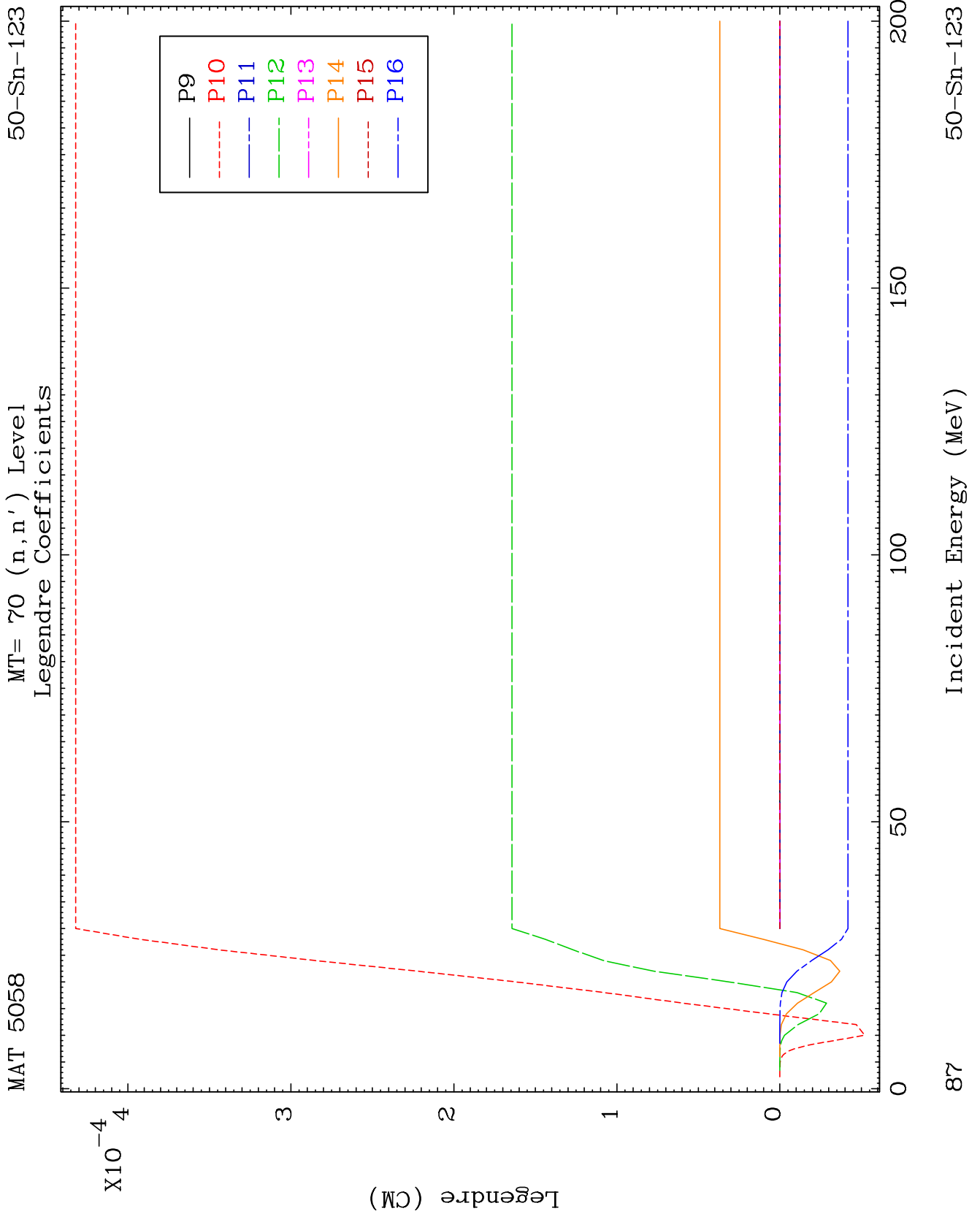
MAT 5058

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

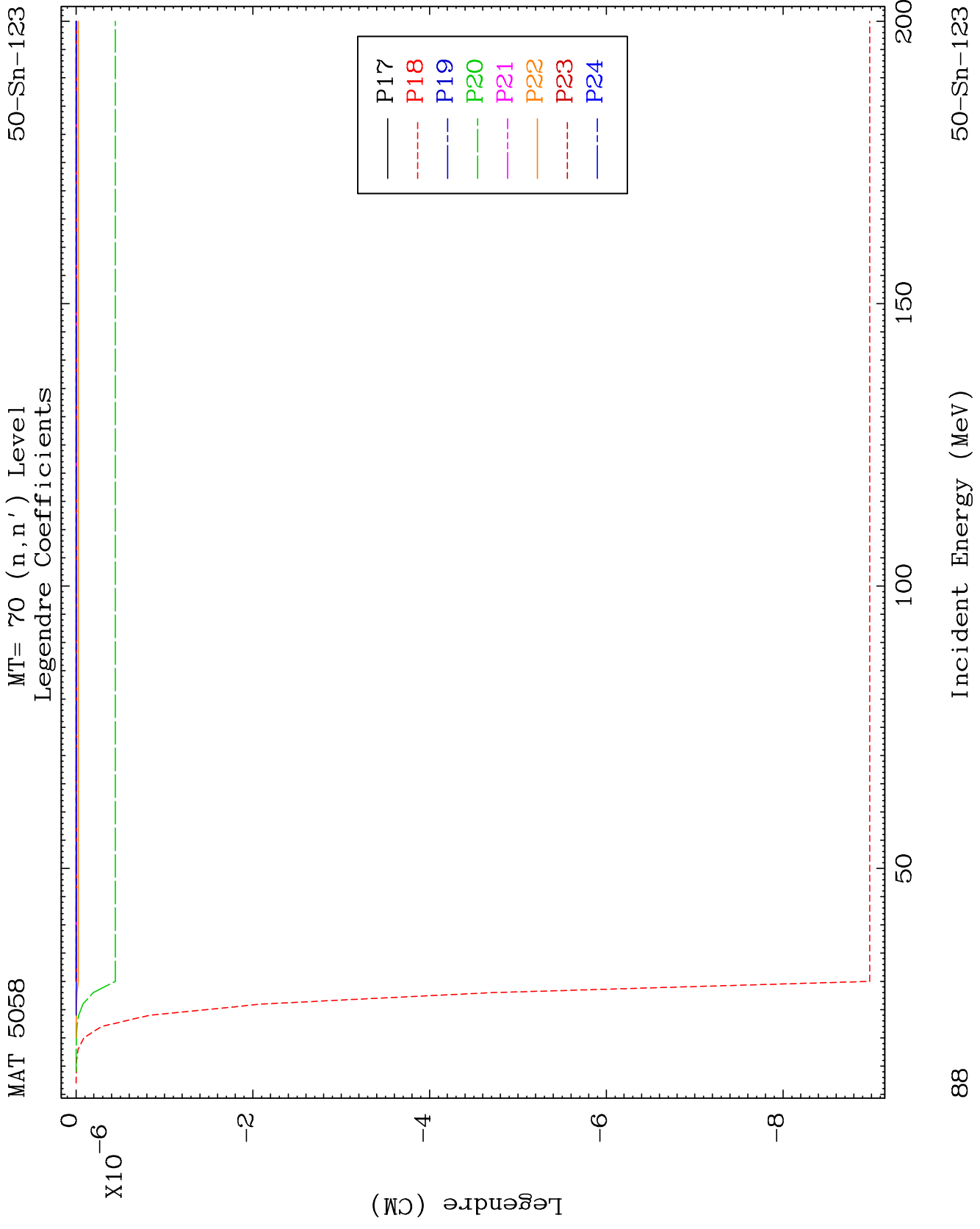
50-Sn-123







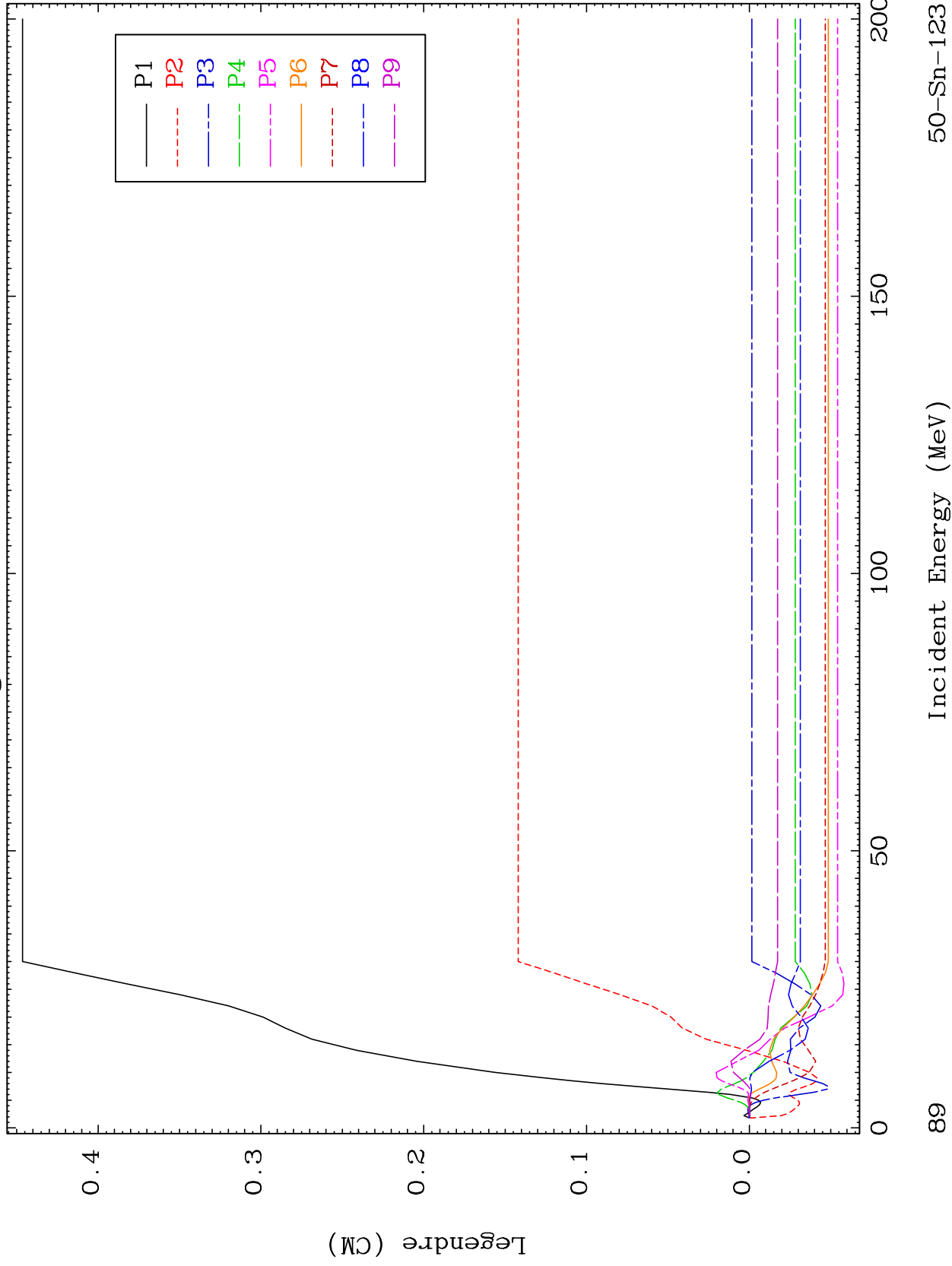




MAT 5058

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

50-Sn-123



89

Incident Energy (MeV)

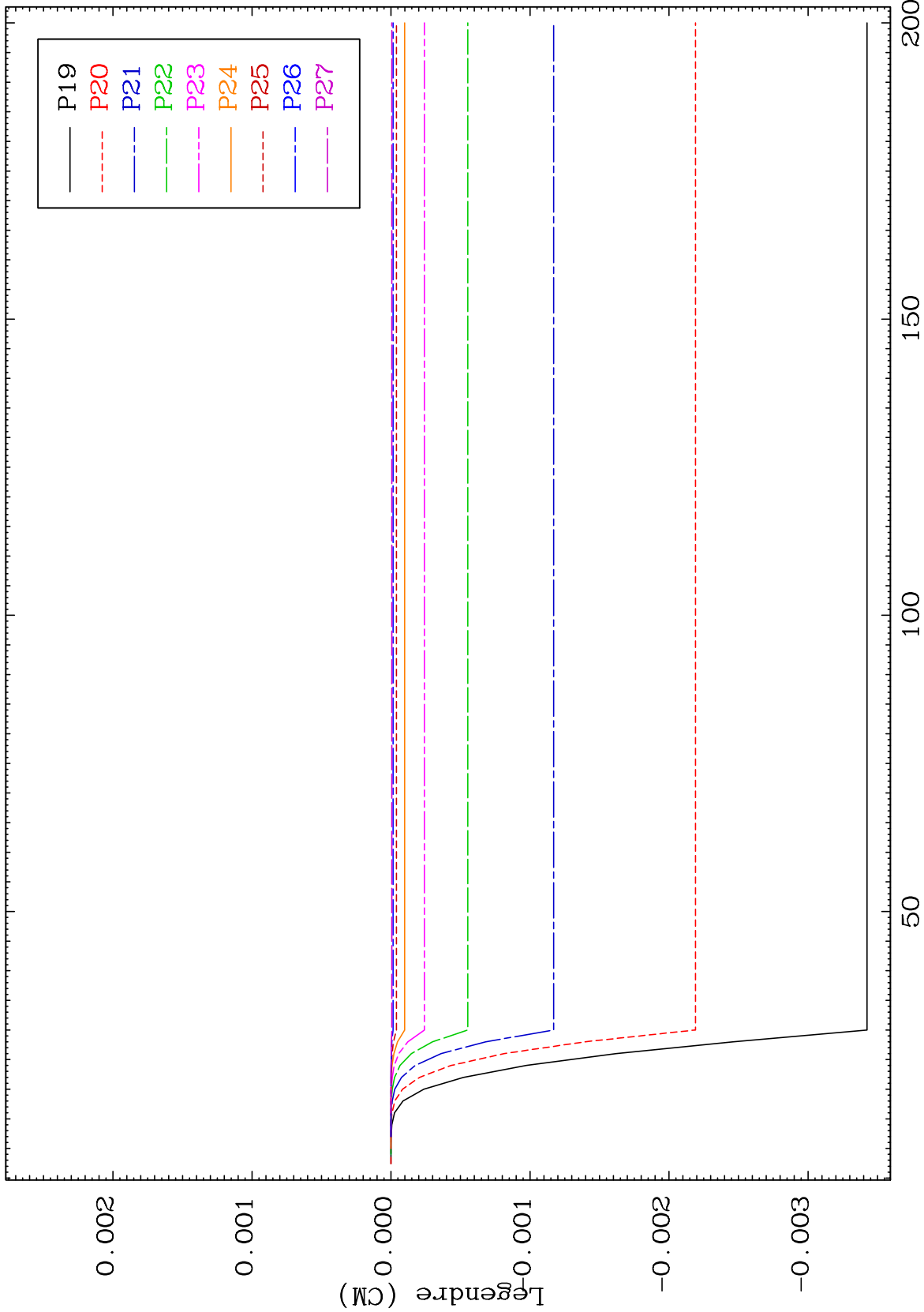
50-Sn-123

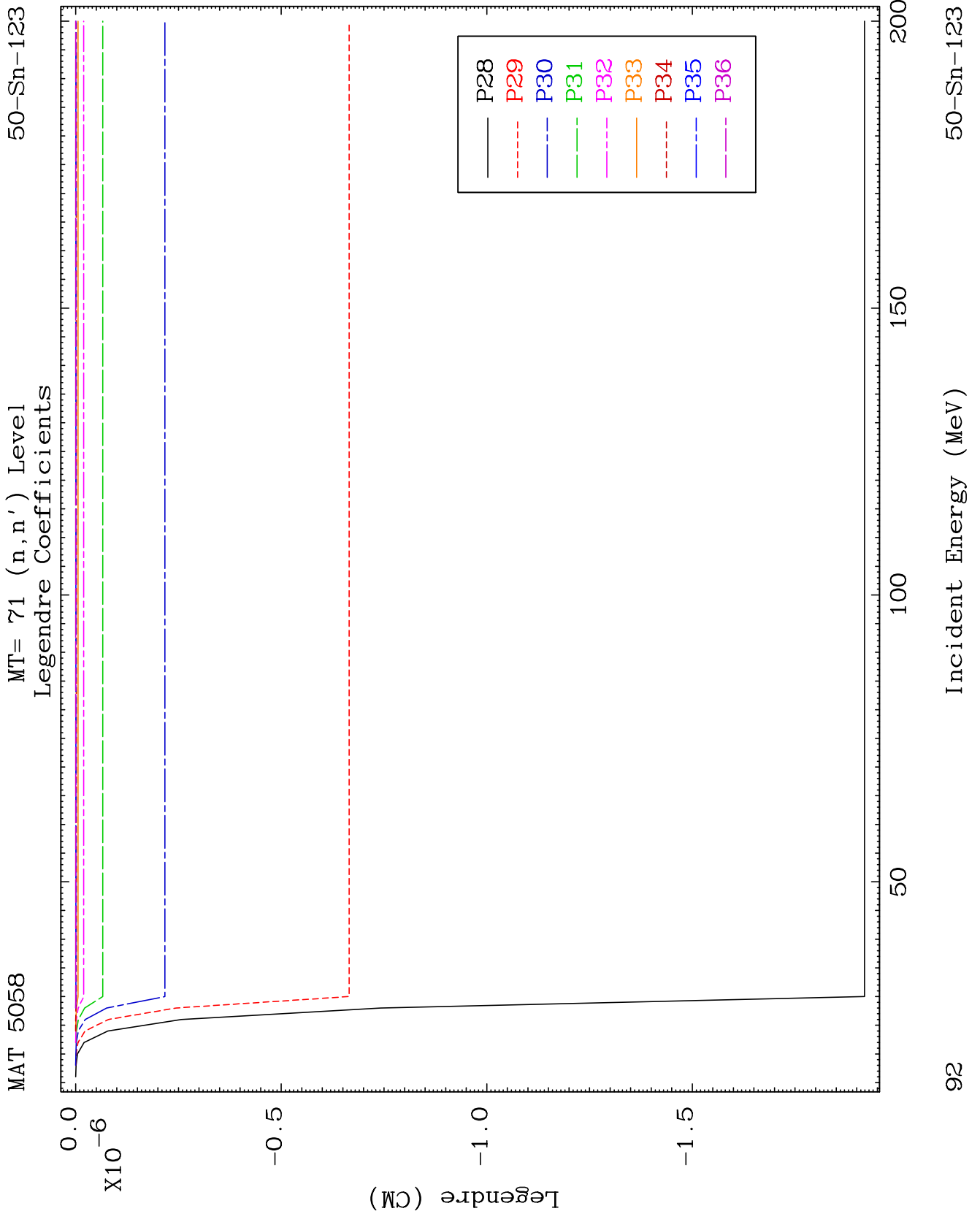


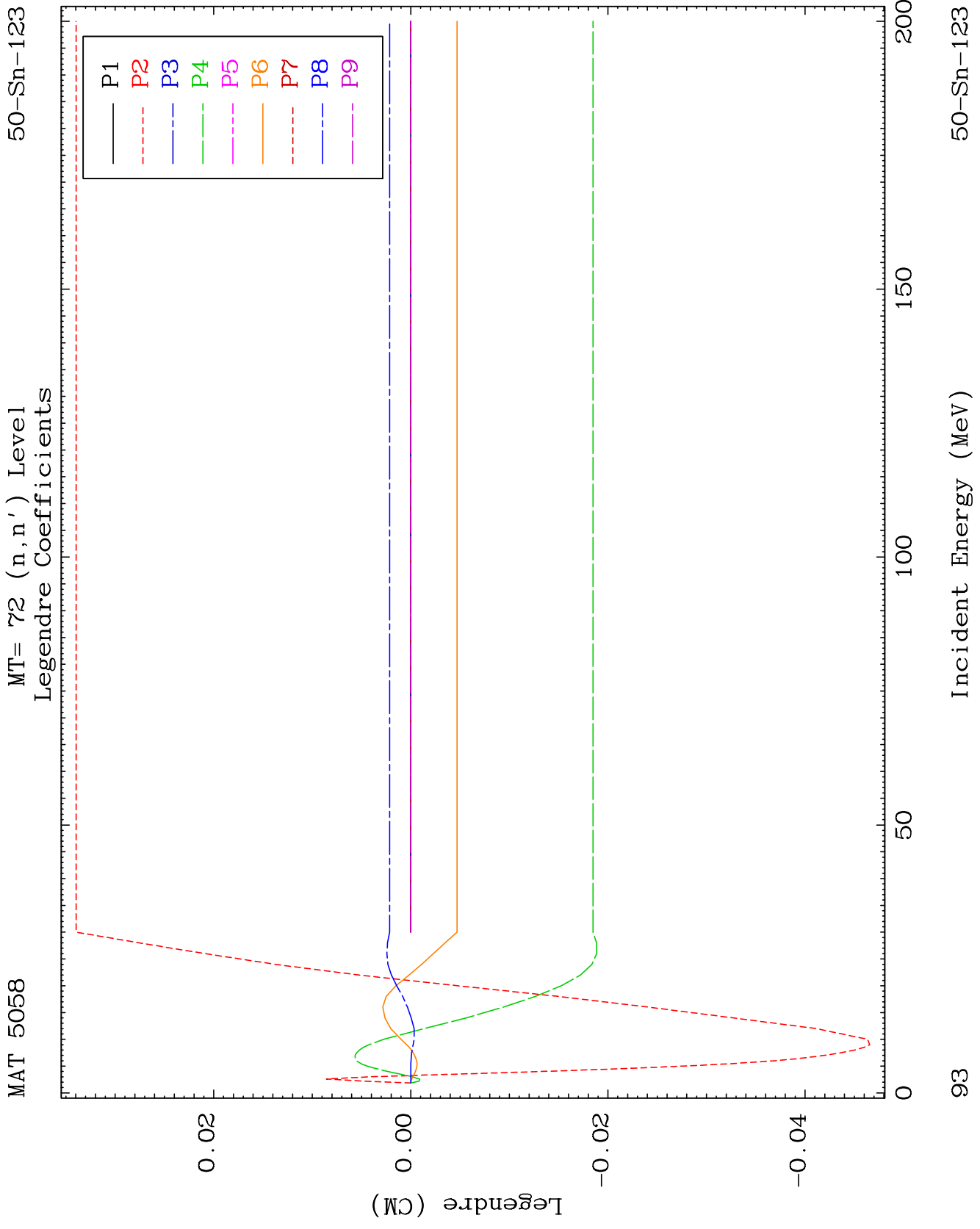
MAT 5058

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

50-Sn-123



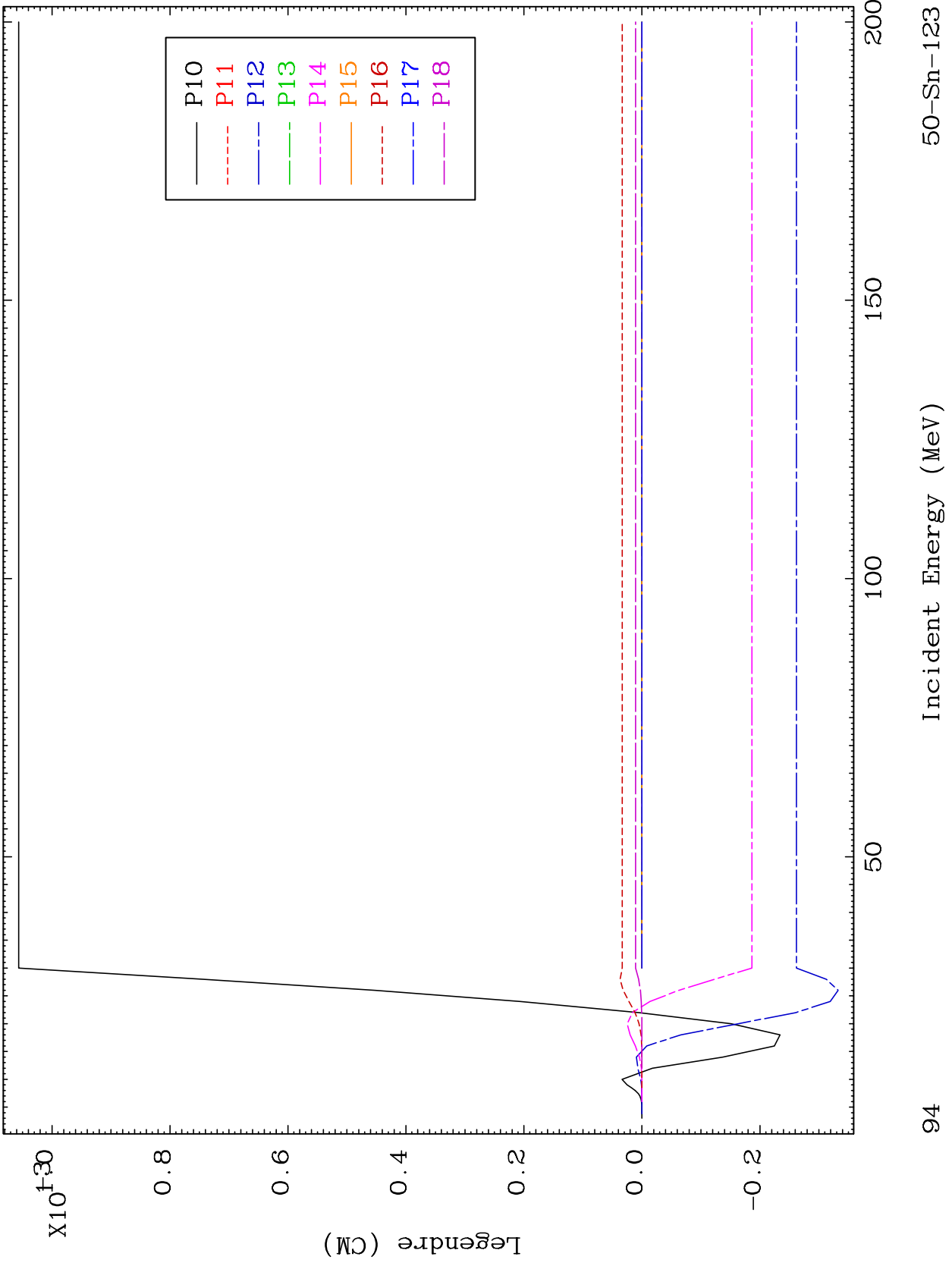


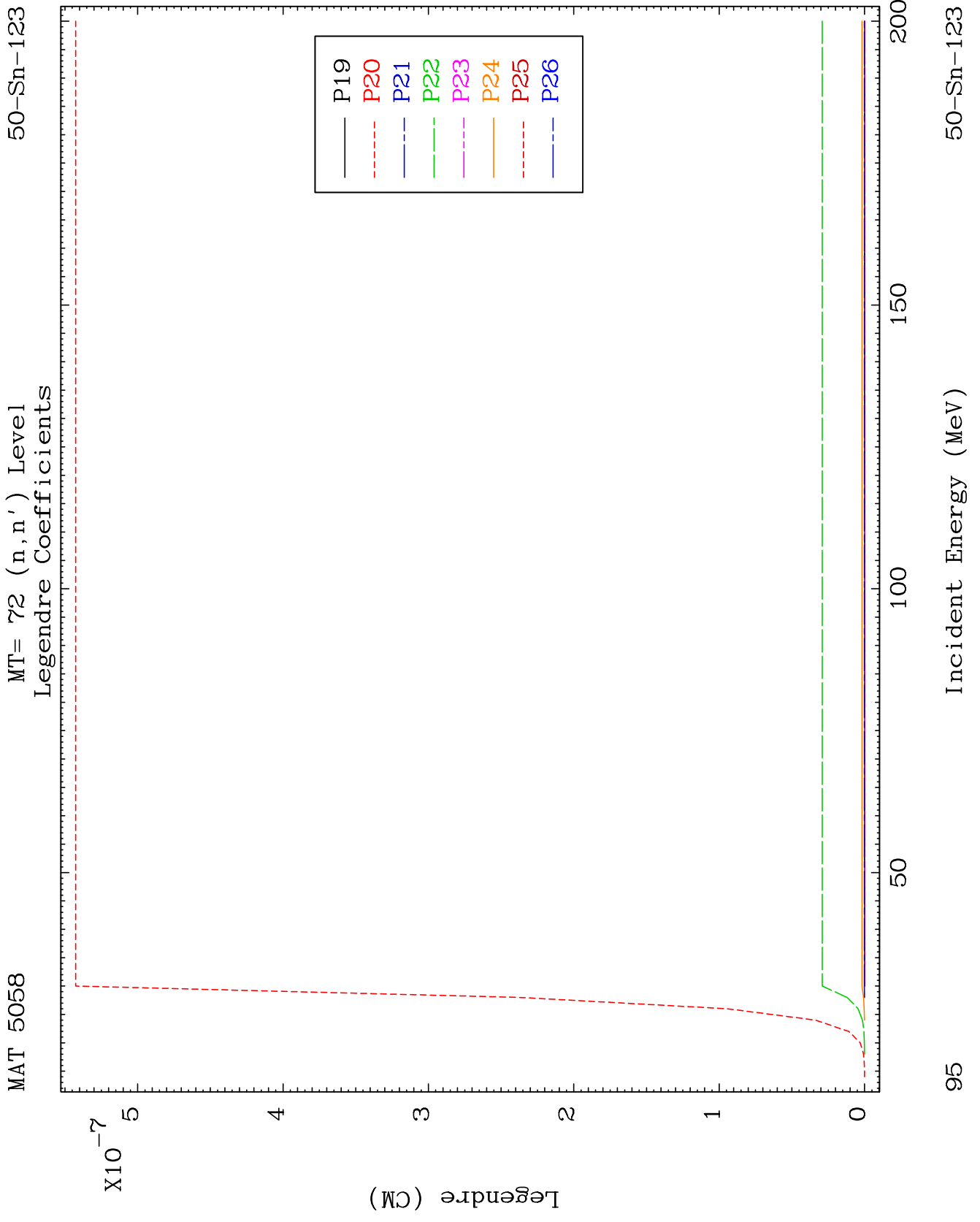


MAT 5058

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

50-Sn-123



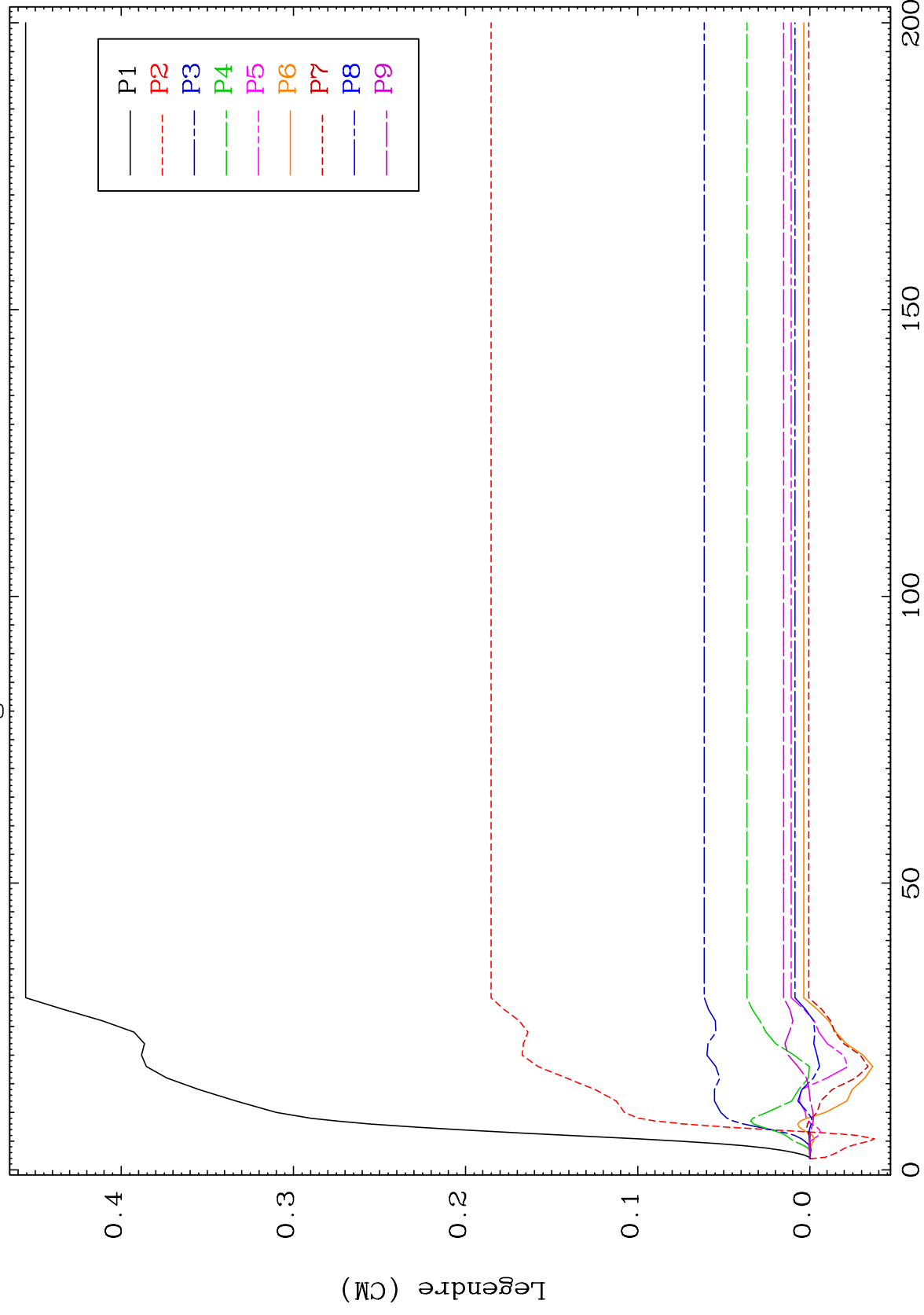




MAT 5058

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

50-Sn-123



50-Sn-123

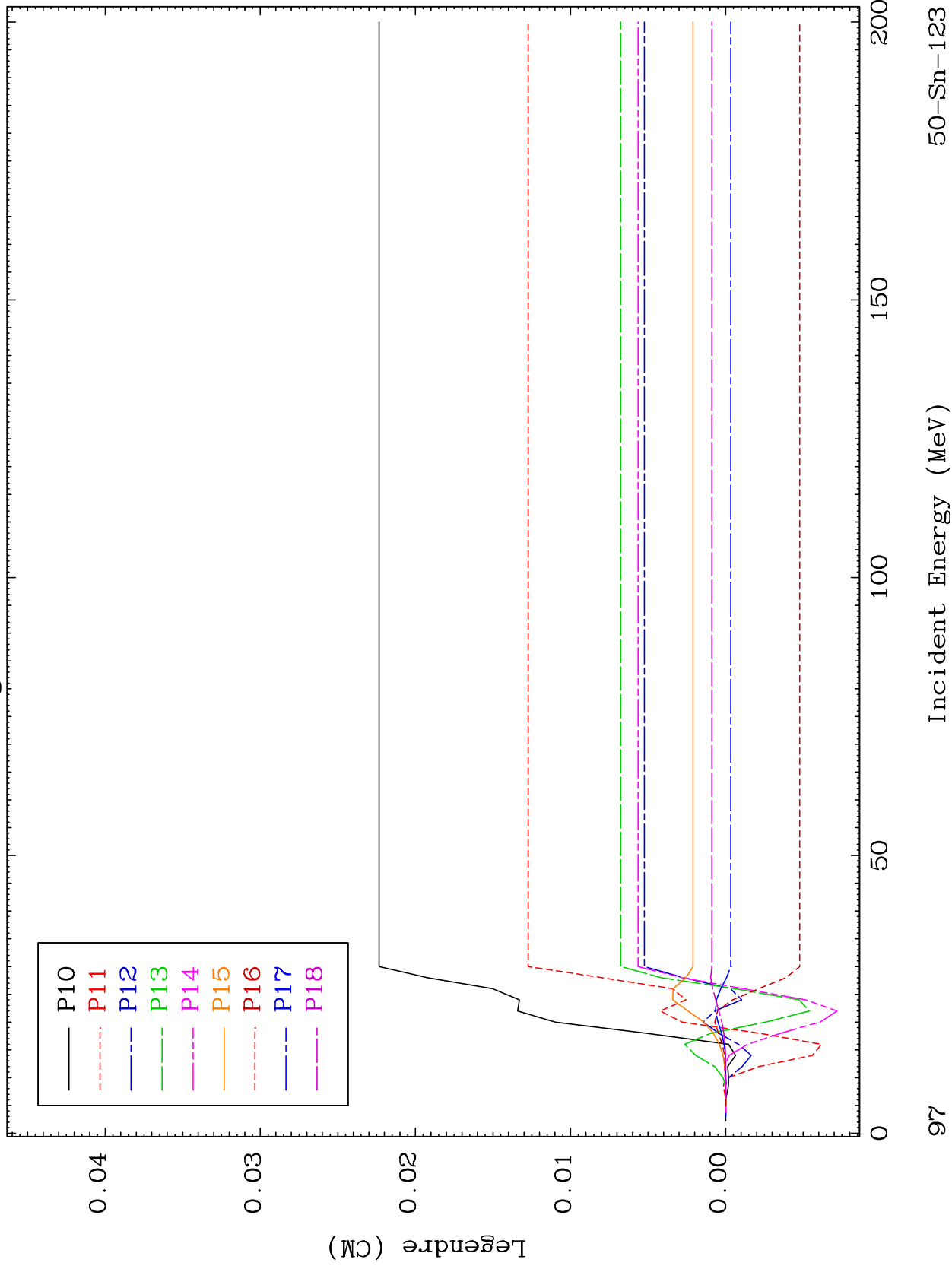
Incident Energy (MeV)

96

MAT 5058

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

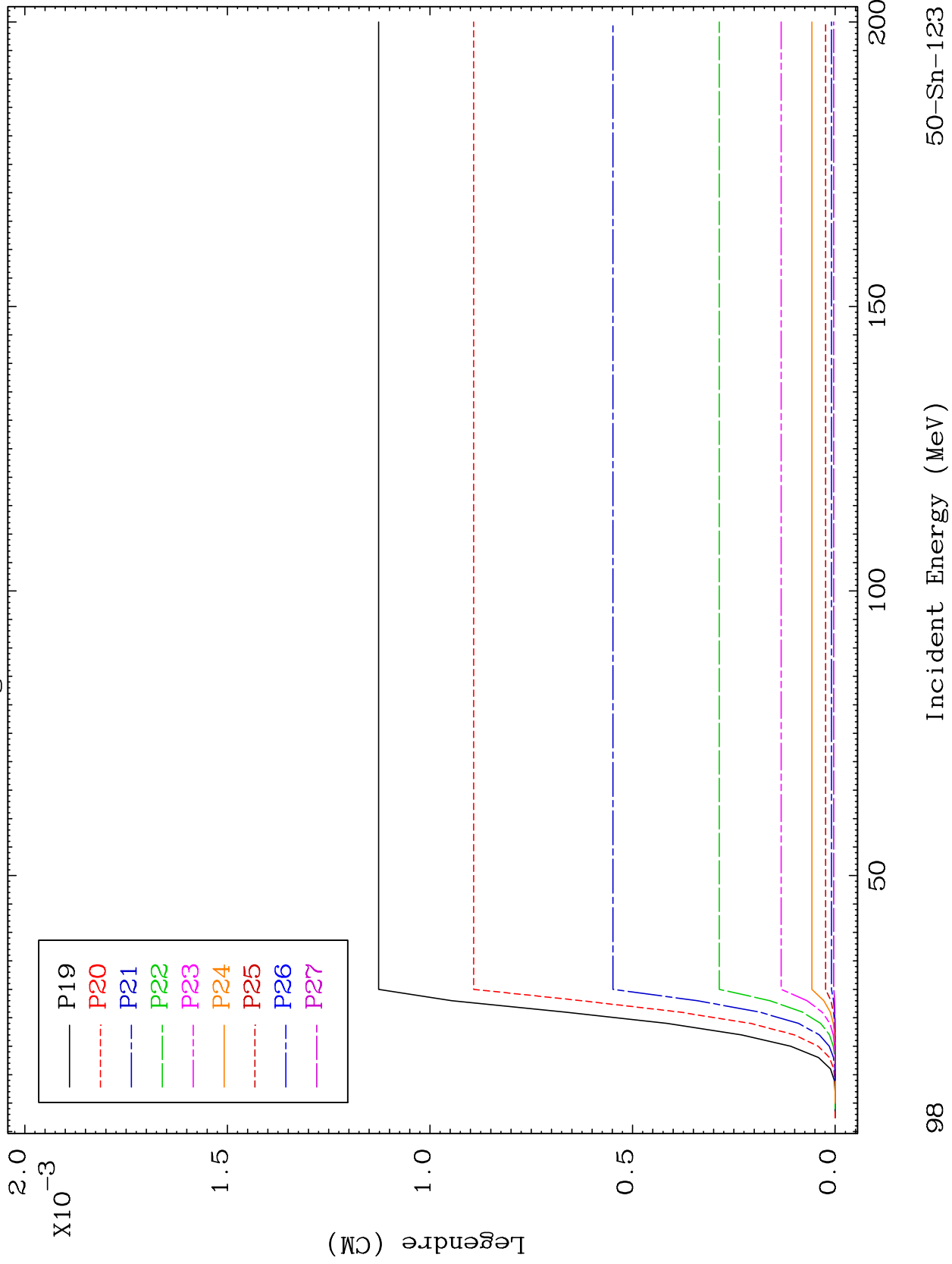
50-Sn-123



MAT 5058

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

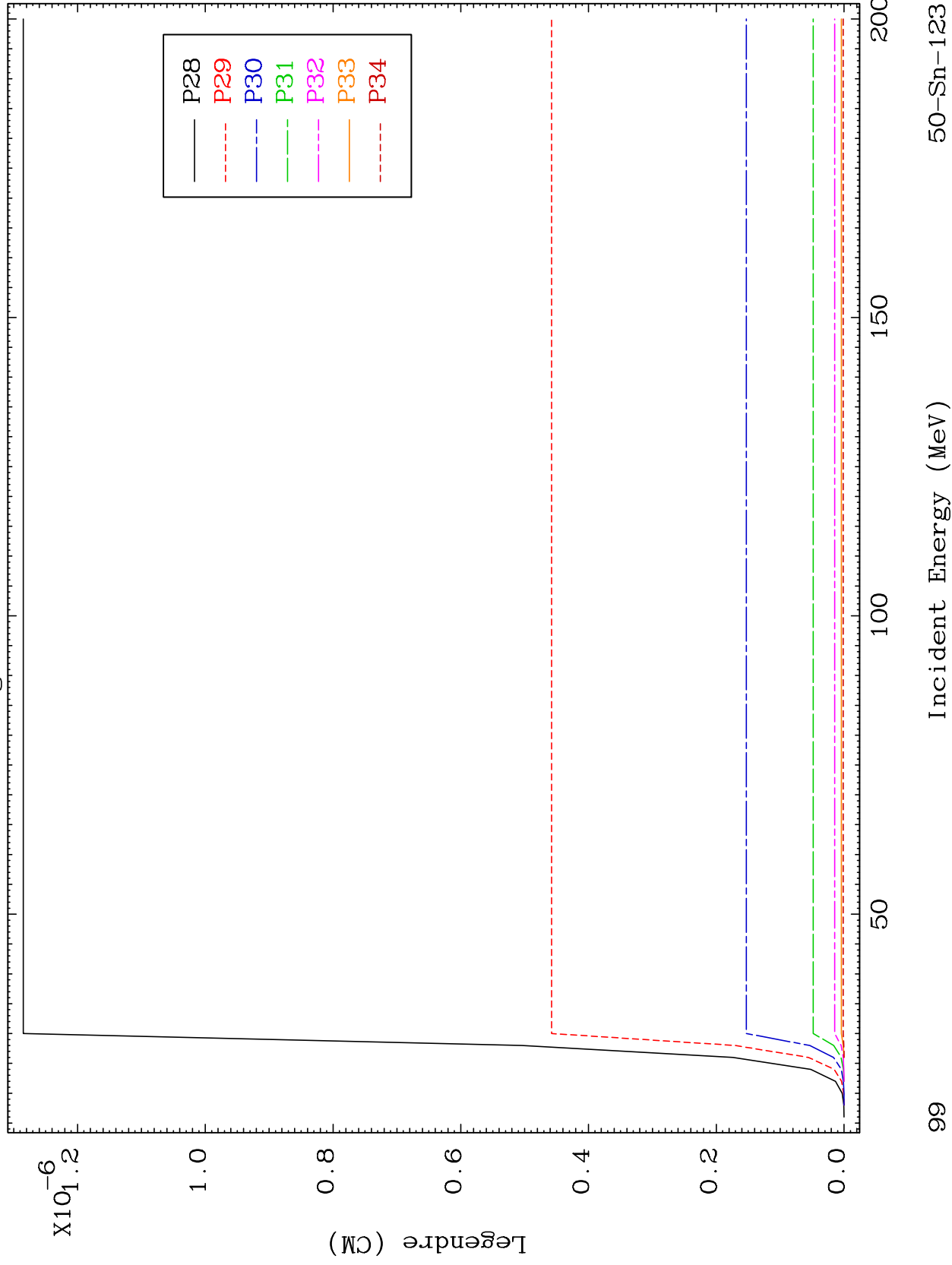
50-Sn-123



MAT 5058

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

50-Sn-123



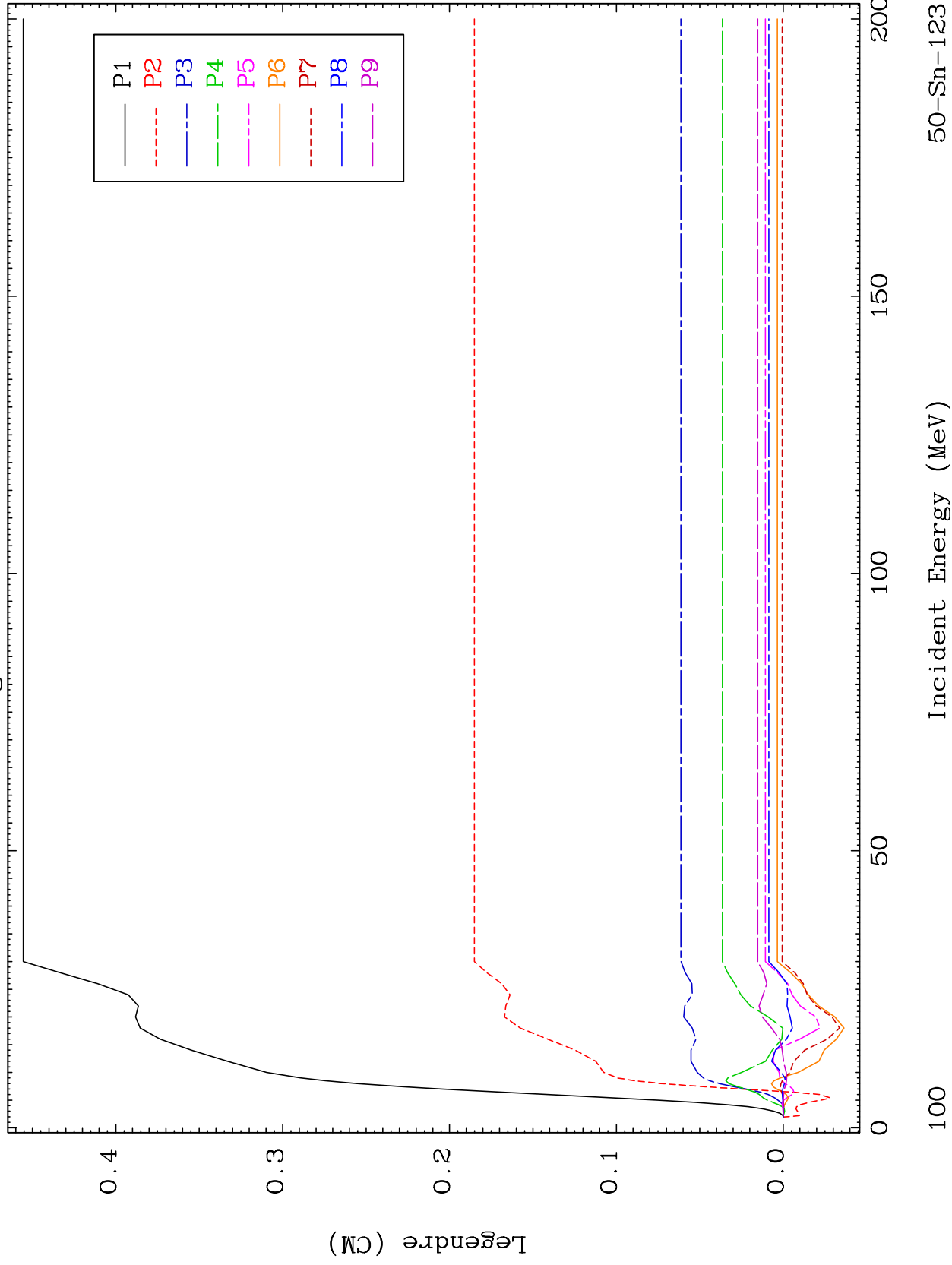
99

50-Sn-123

MAT 5058

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

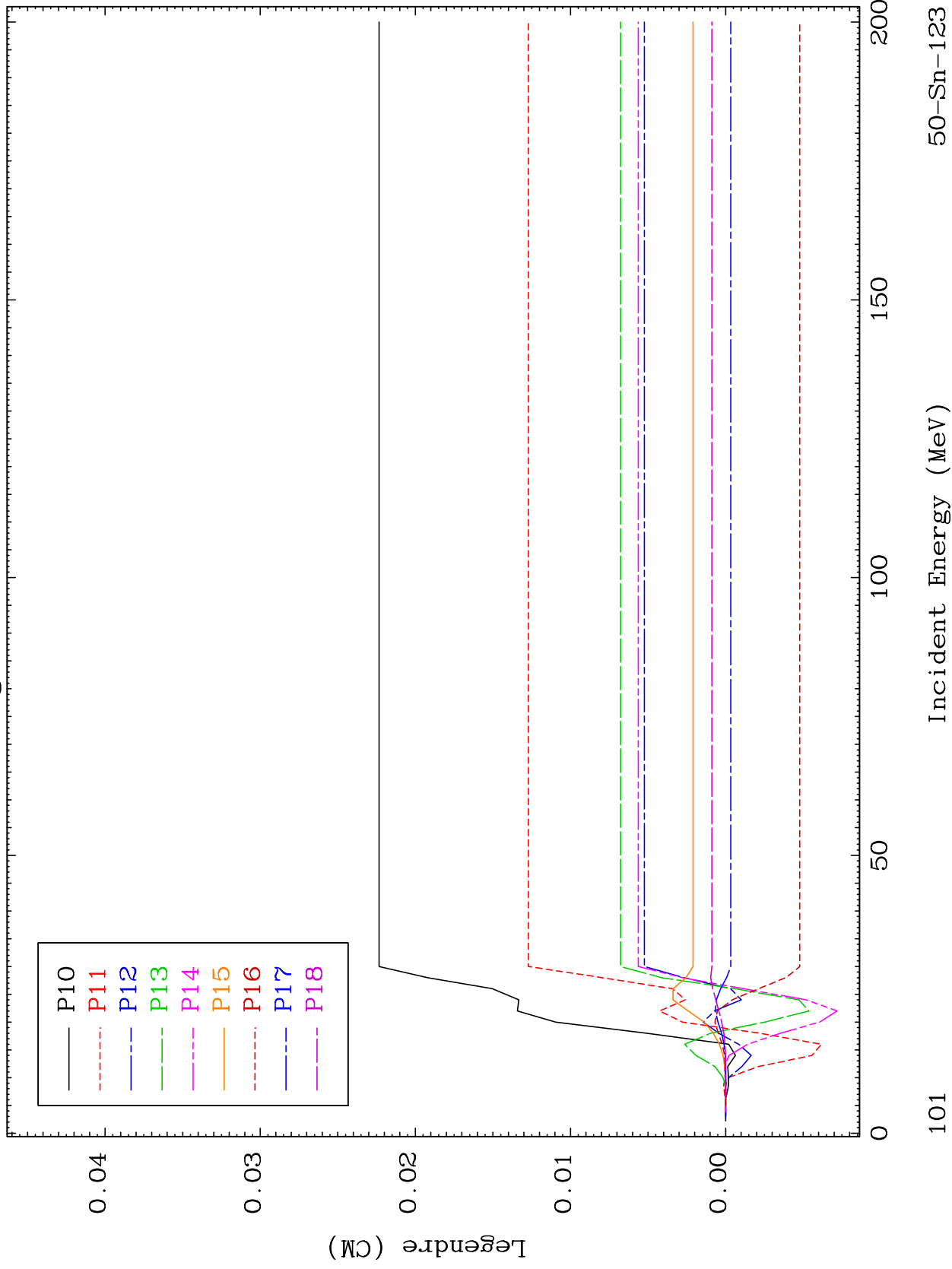
50-Sn-123



MAT 5058

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

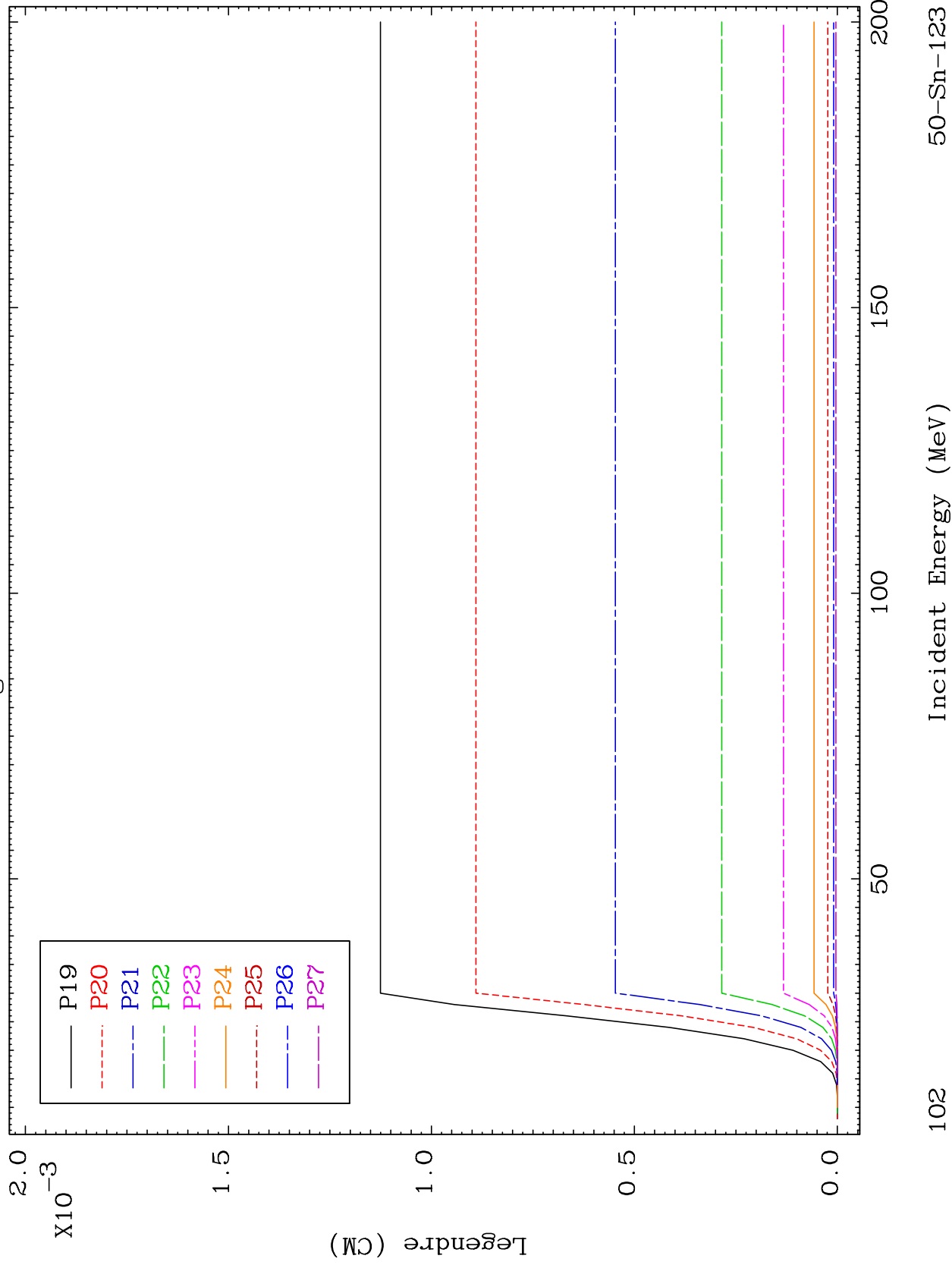
50-Sn-123



MAT 5058

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

50-Sn-123

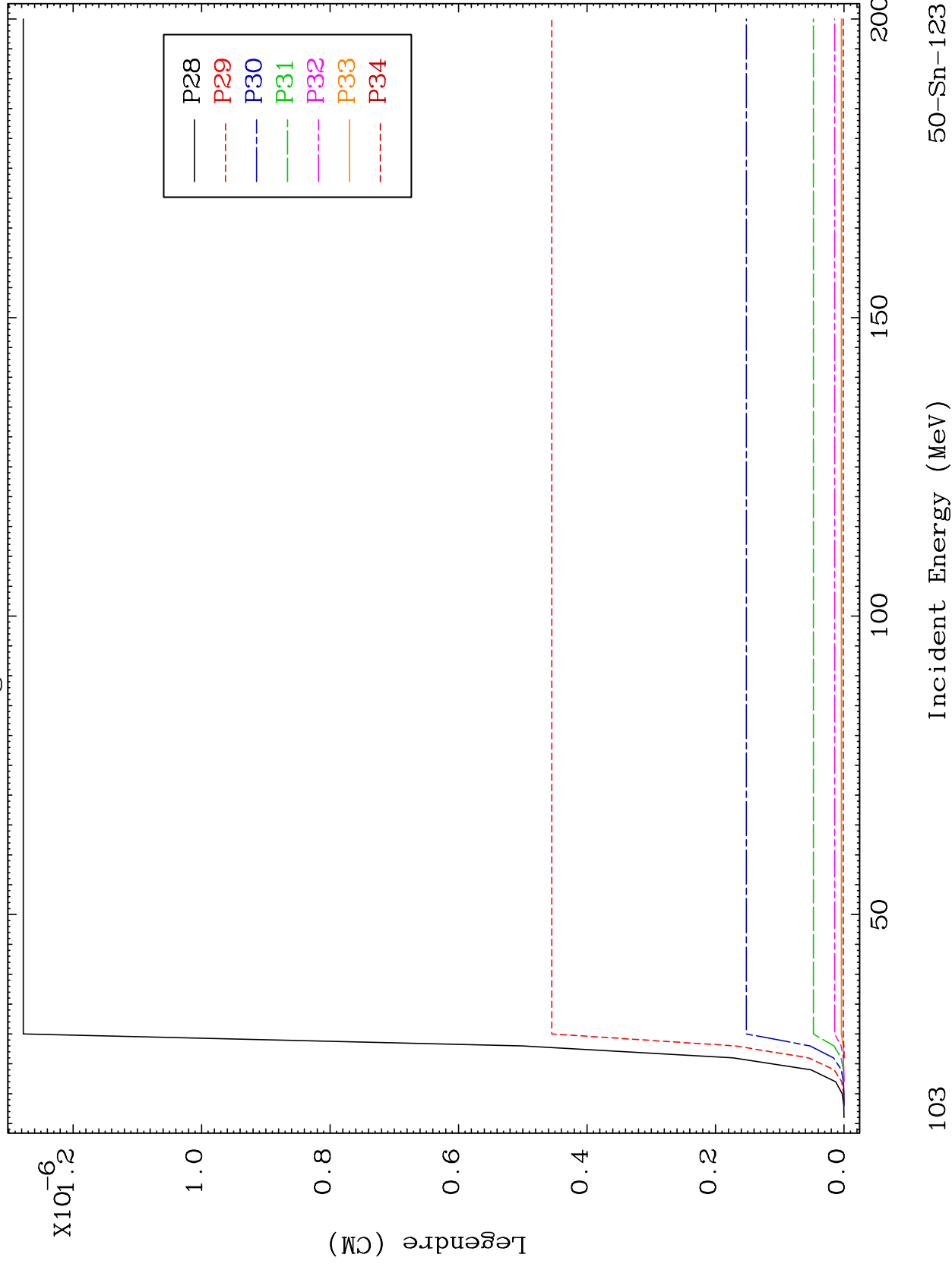


102

MAT 5058

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

50-Sn-123

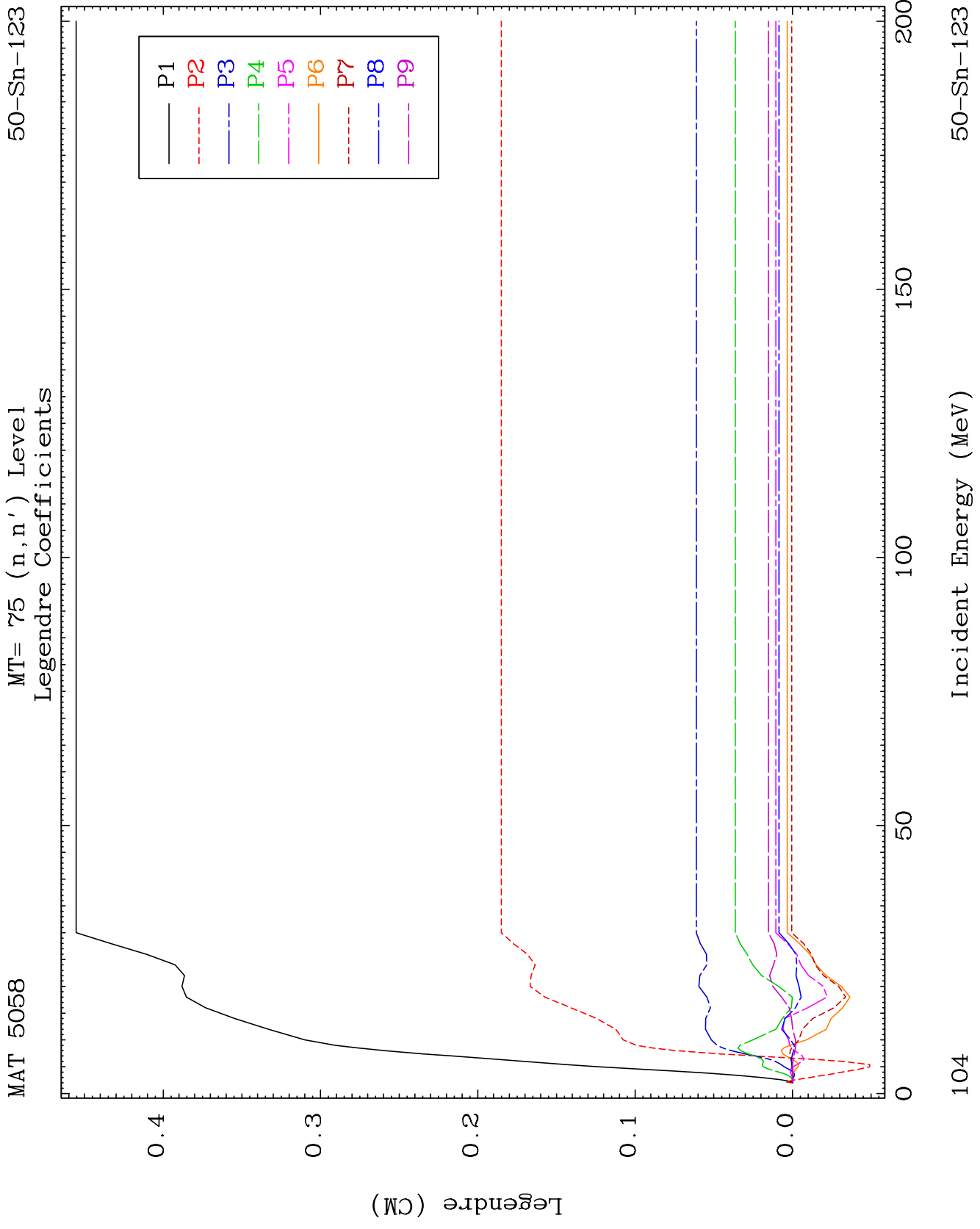


103

Incident Energy (MeV)

50-Sn-123



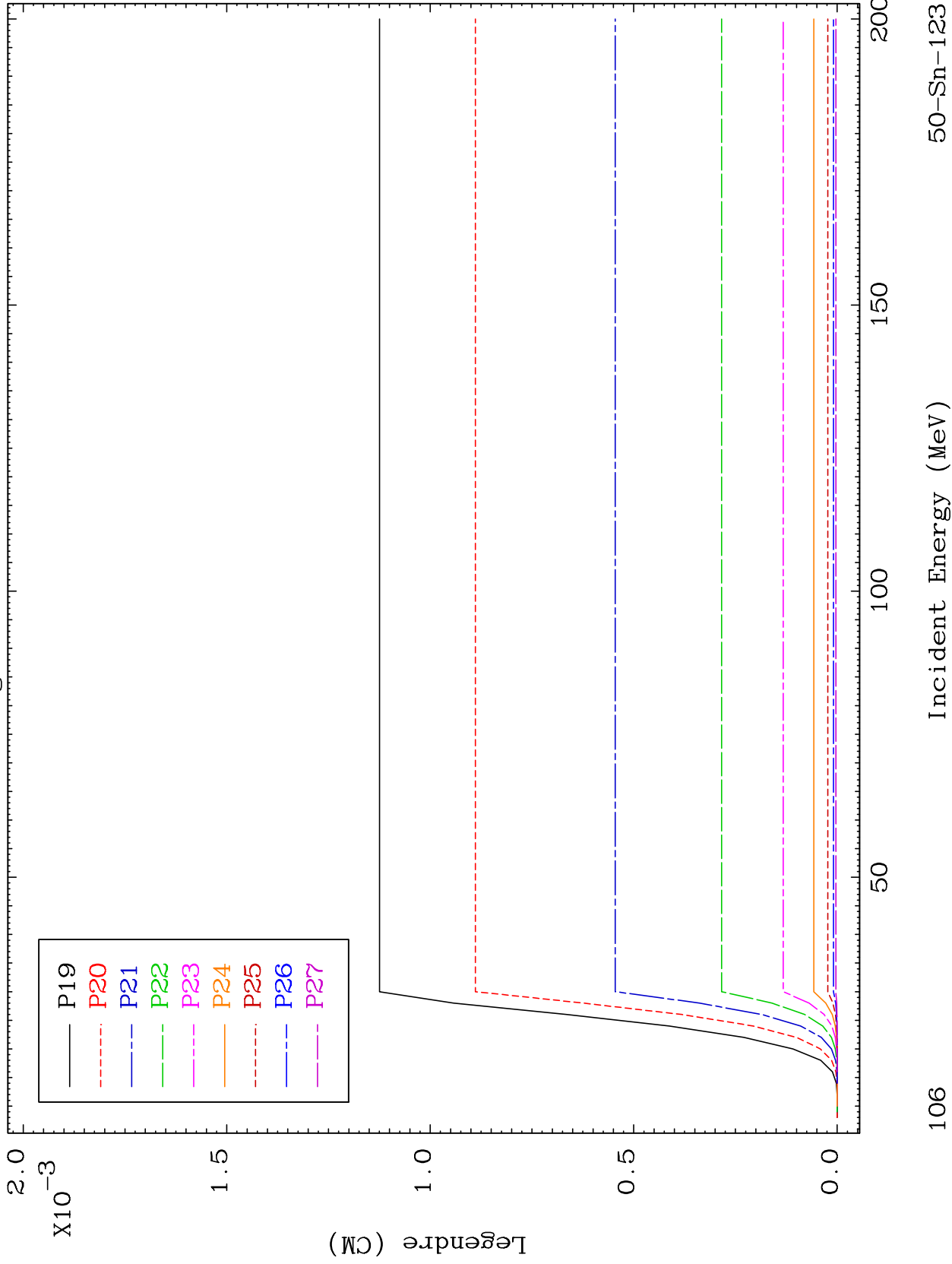




MAT 5058

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

50-Sn-123



106

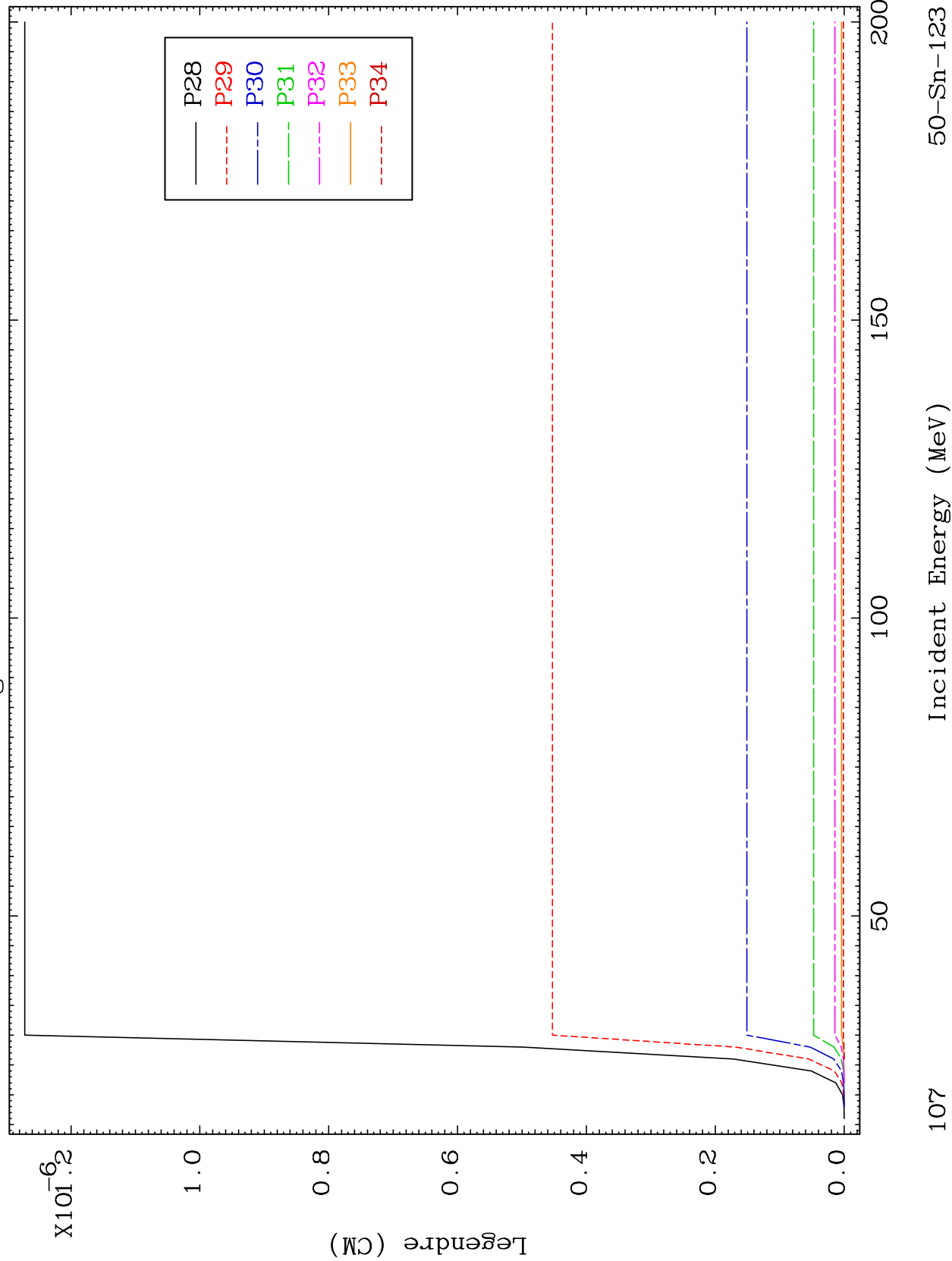
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



107

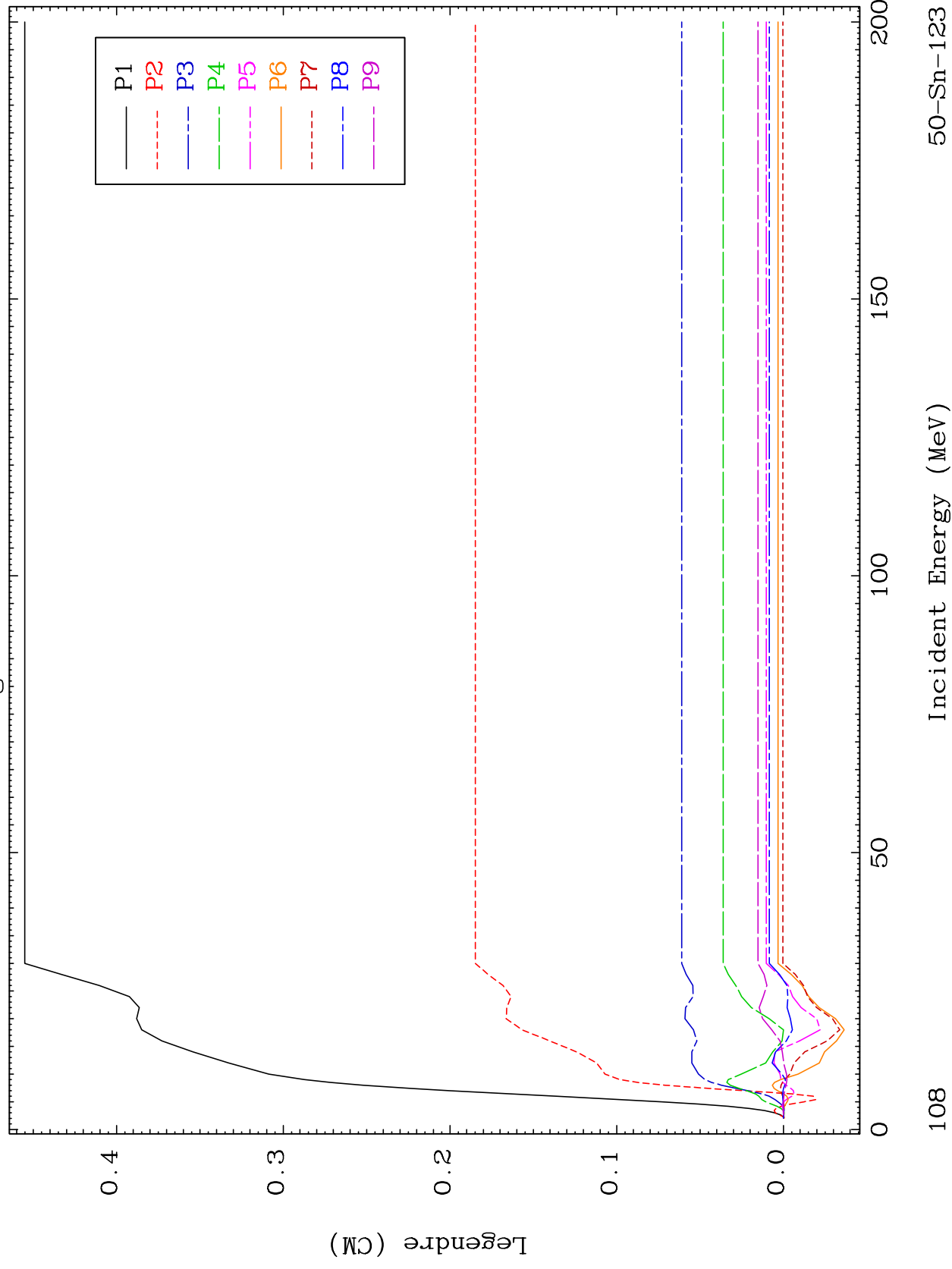
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



50-Sn-123

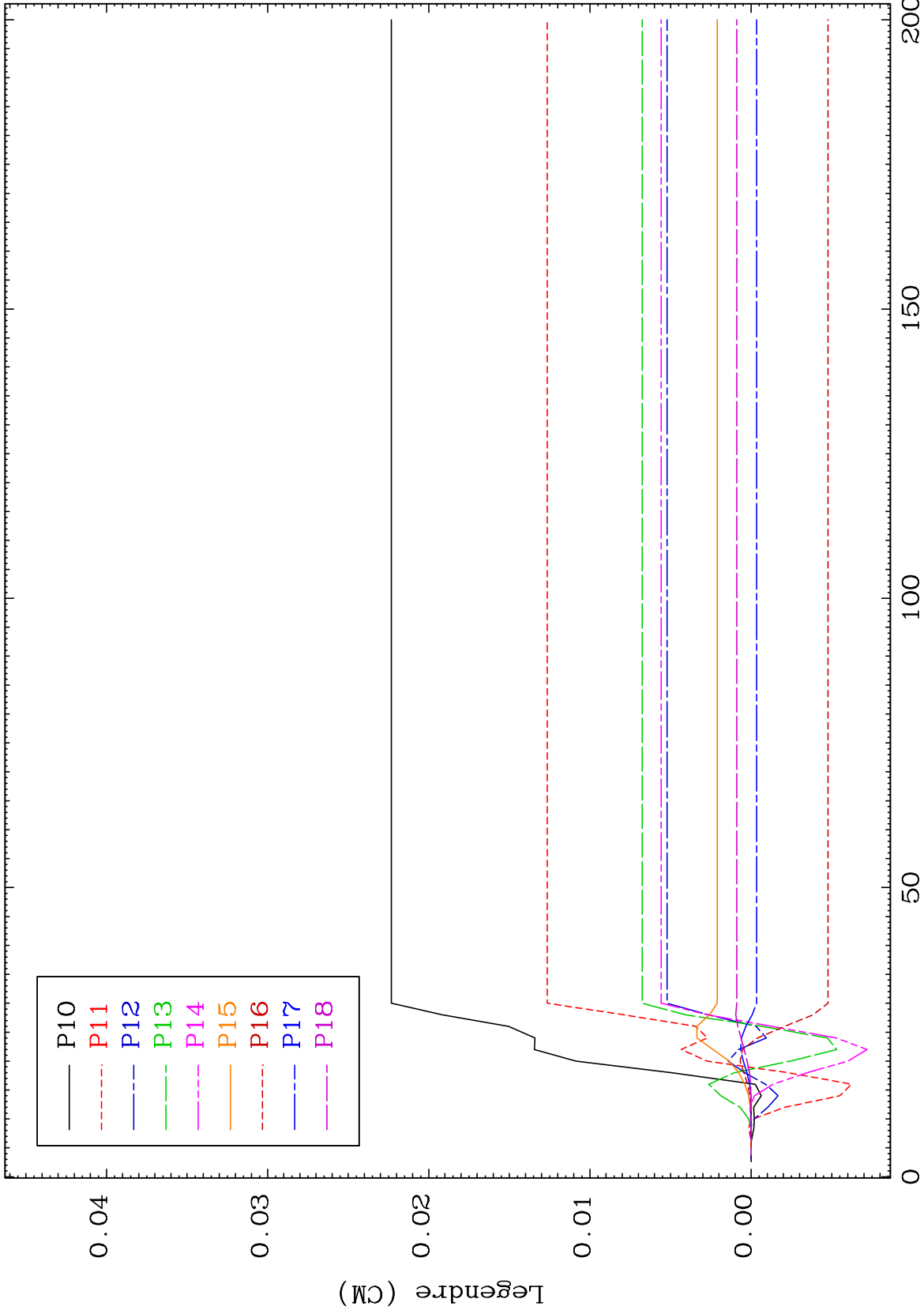
Incident Energy (MeV)

108

MAT 5058

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

50-Sn-123



109

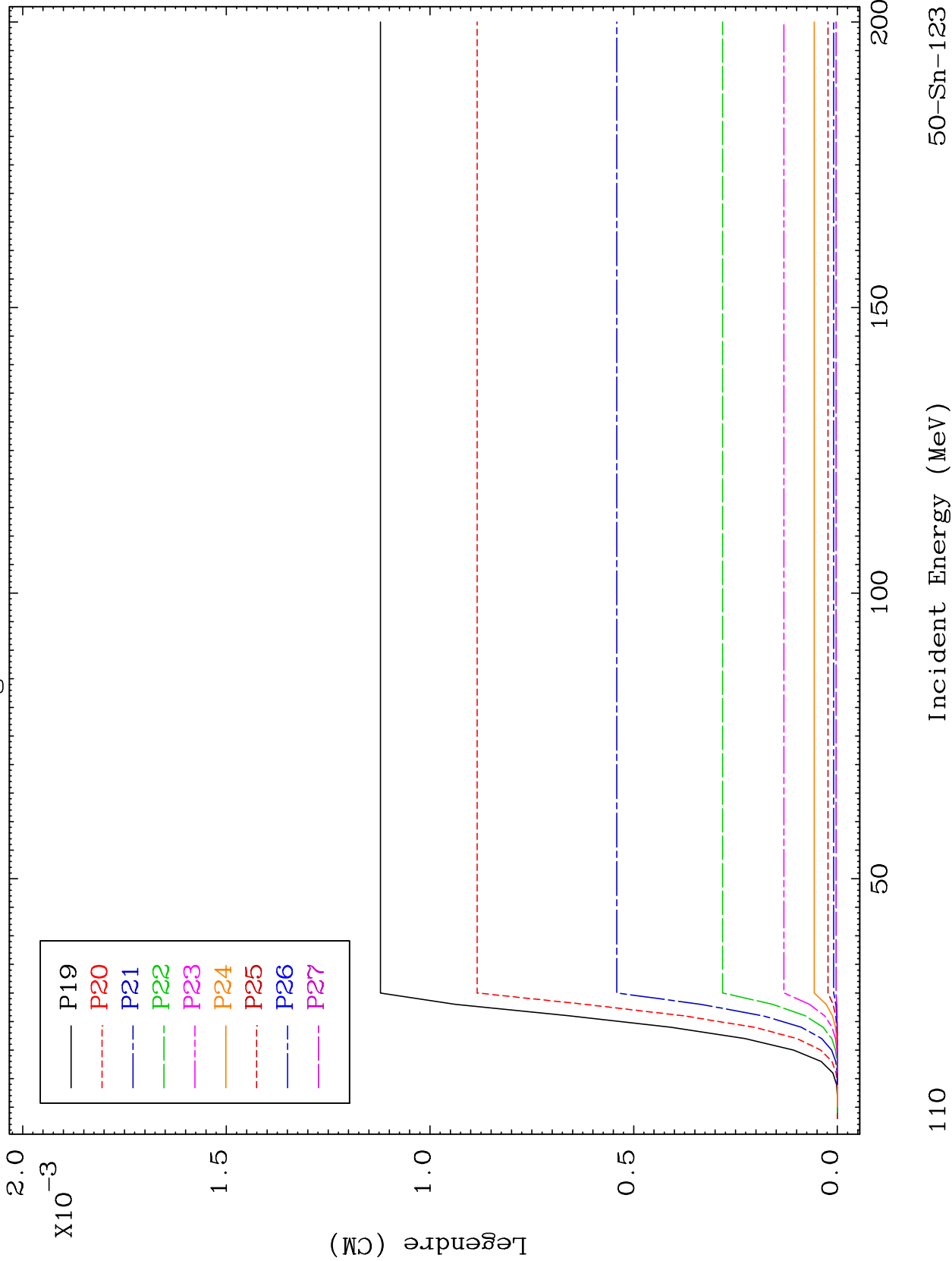
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



110

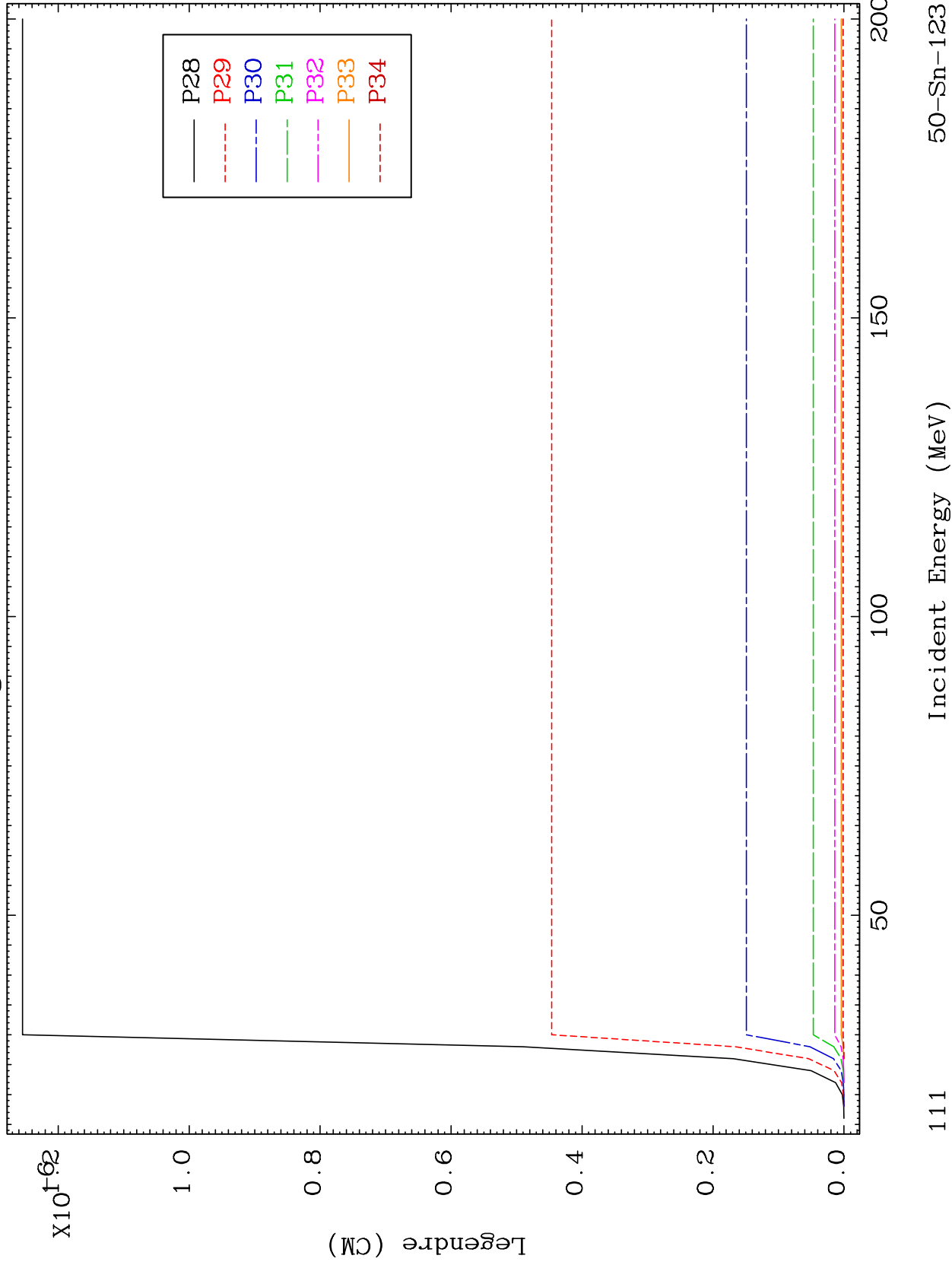
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

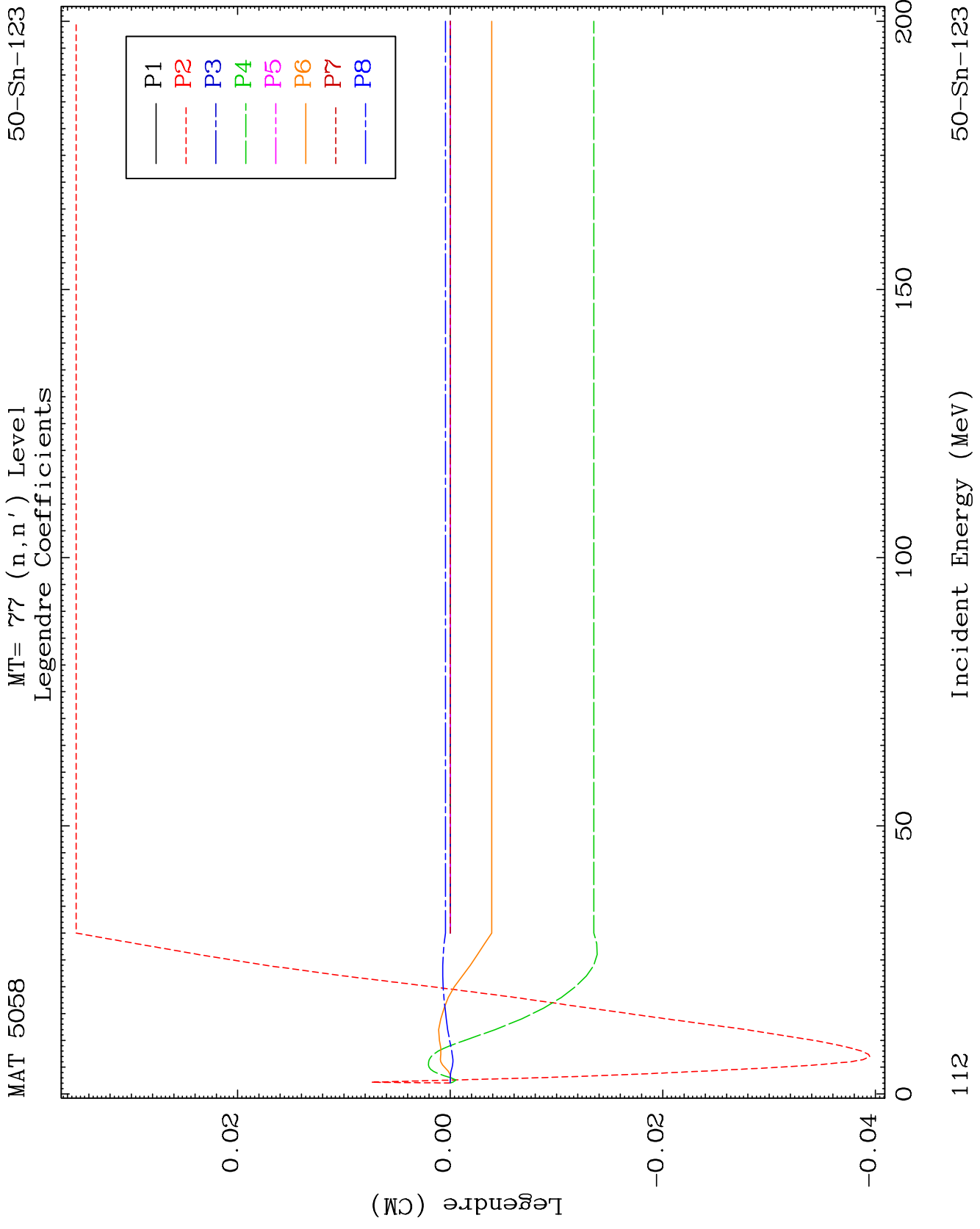
50-Sn-123



111

50-Sn-123

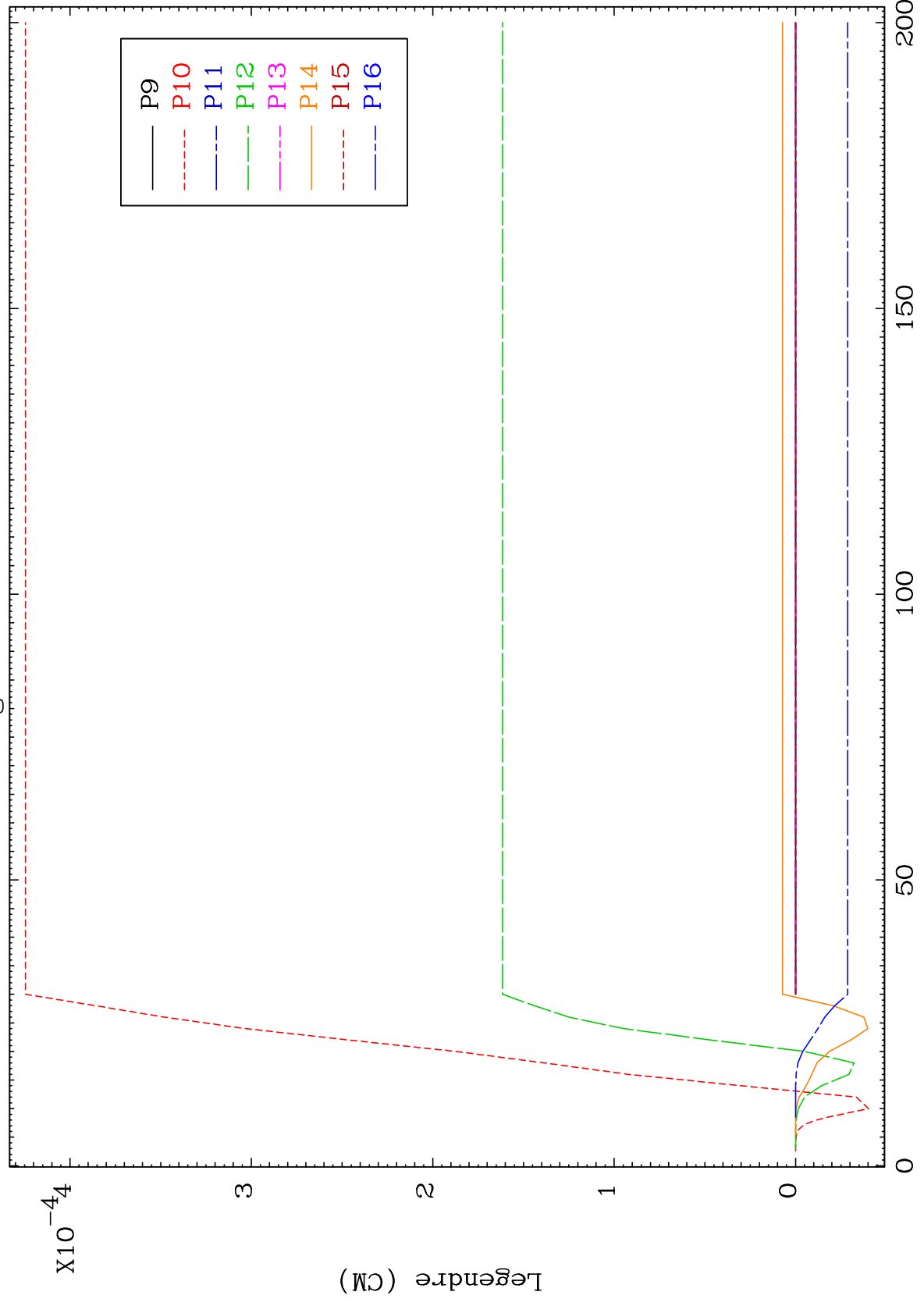




MAT 5058

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

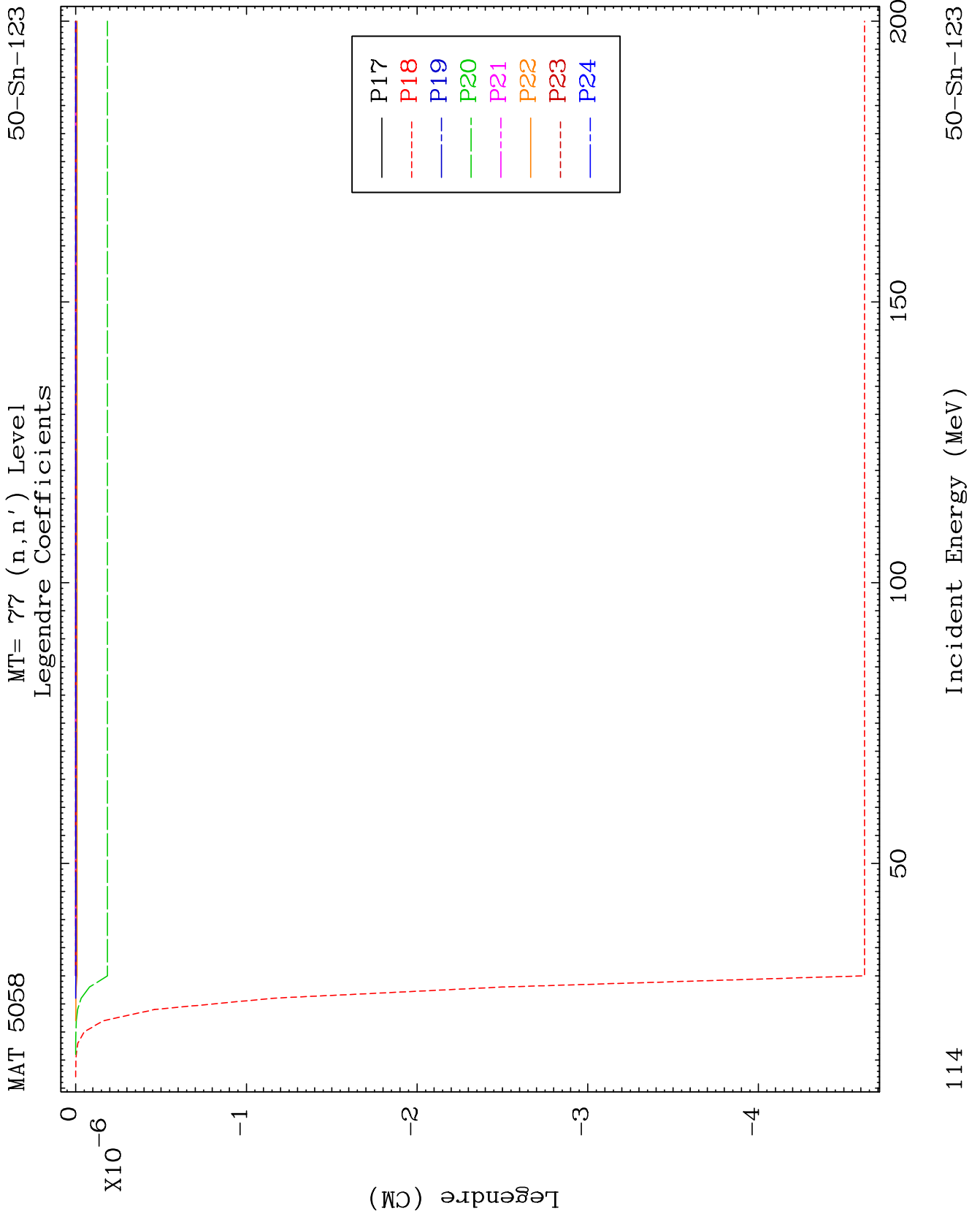
50-Sn-123



50-Sn-123

Incident Energy (MeV)

113

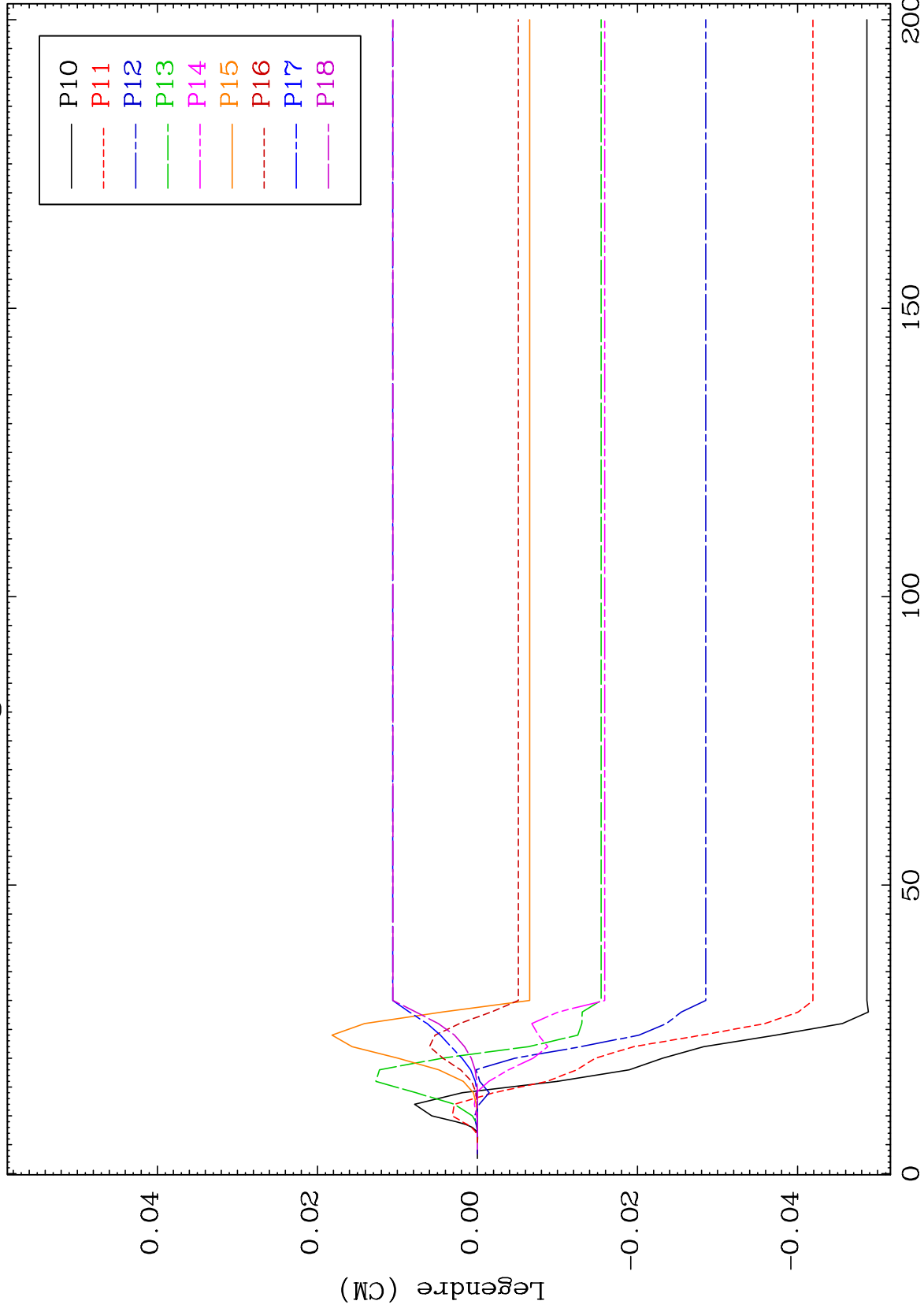




MAT 5058

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

50-Sn-123



116

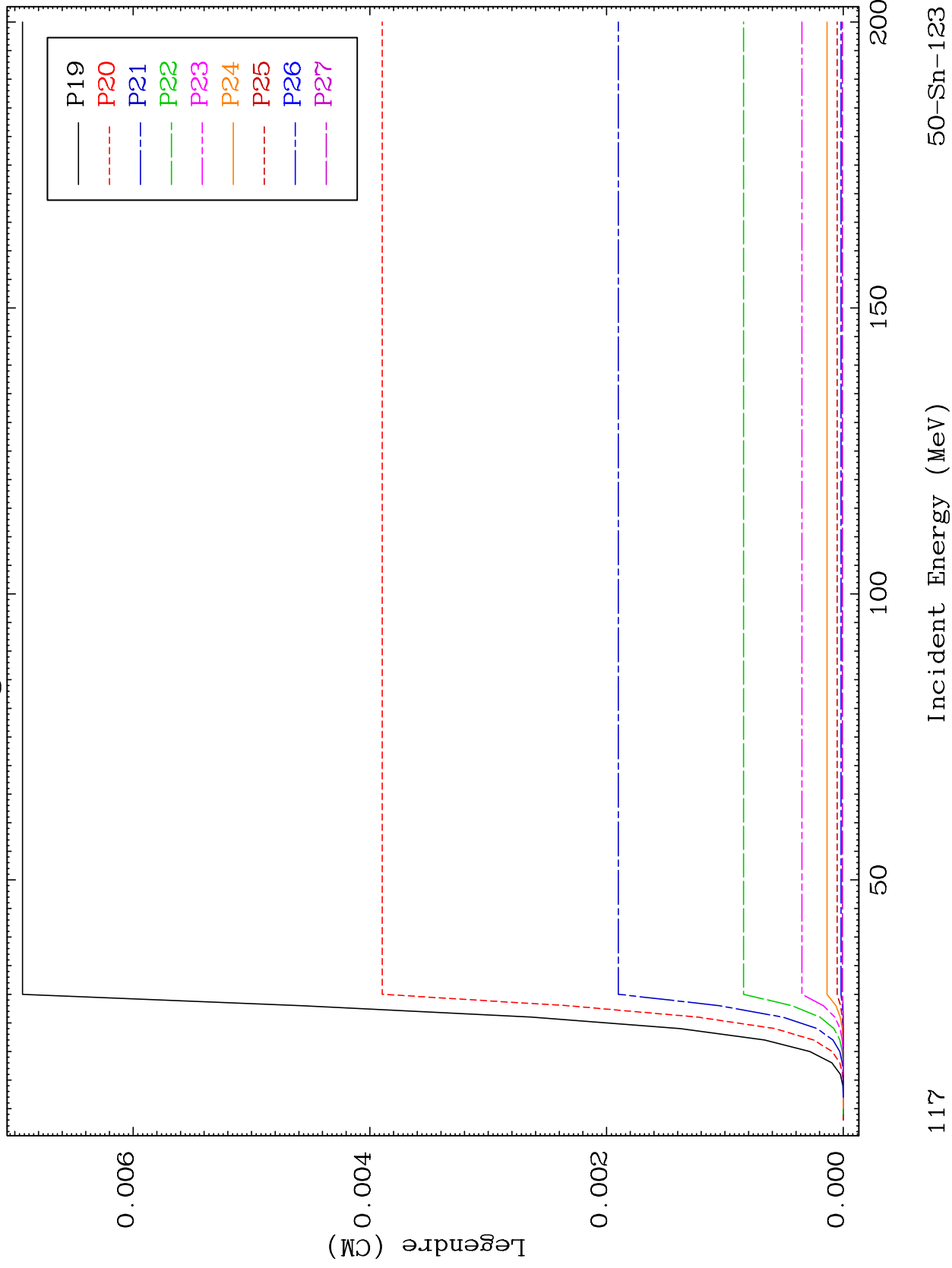
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



117

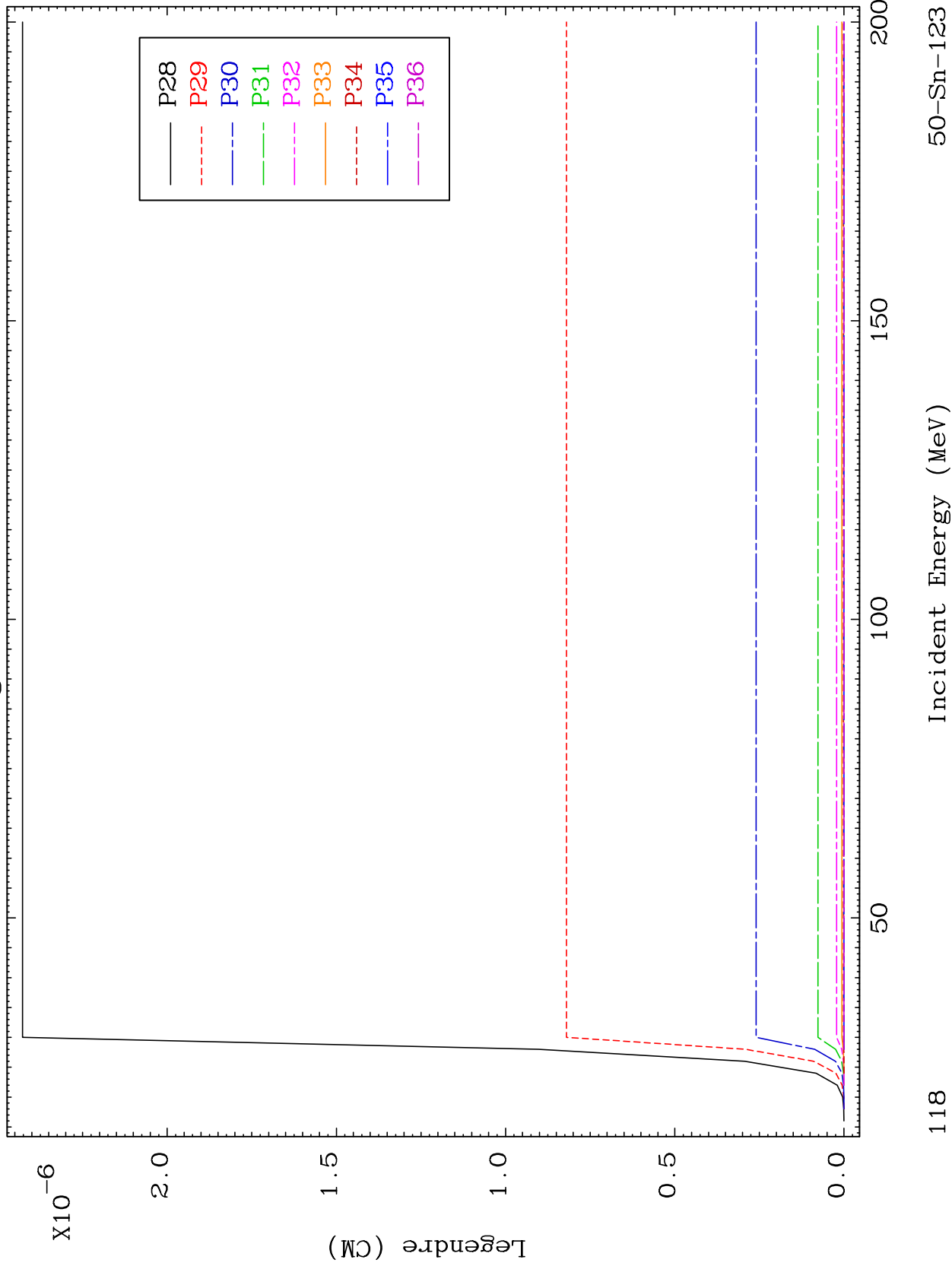
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123

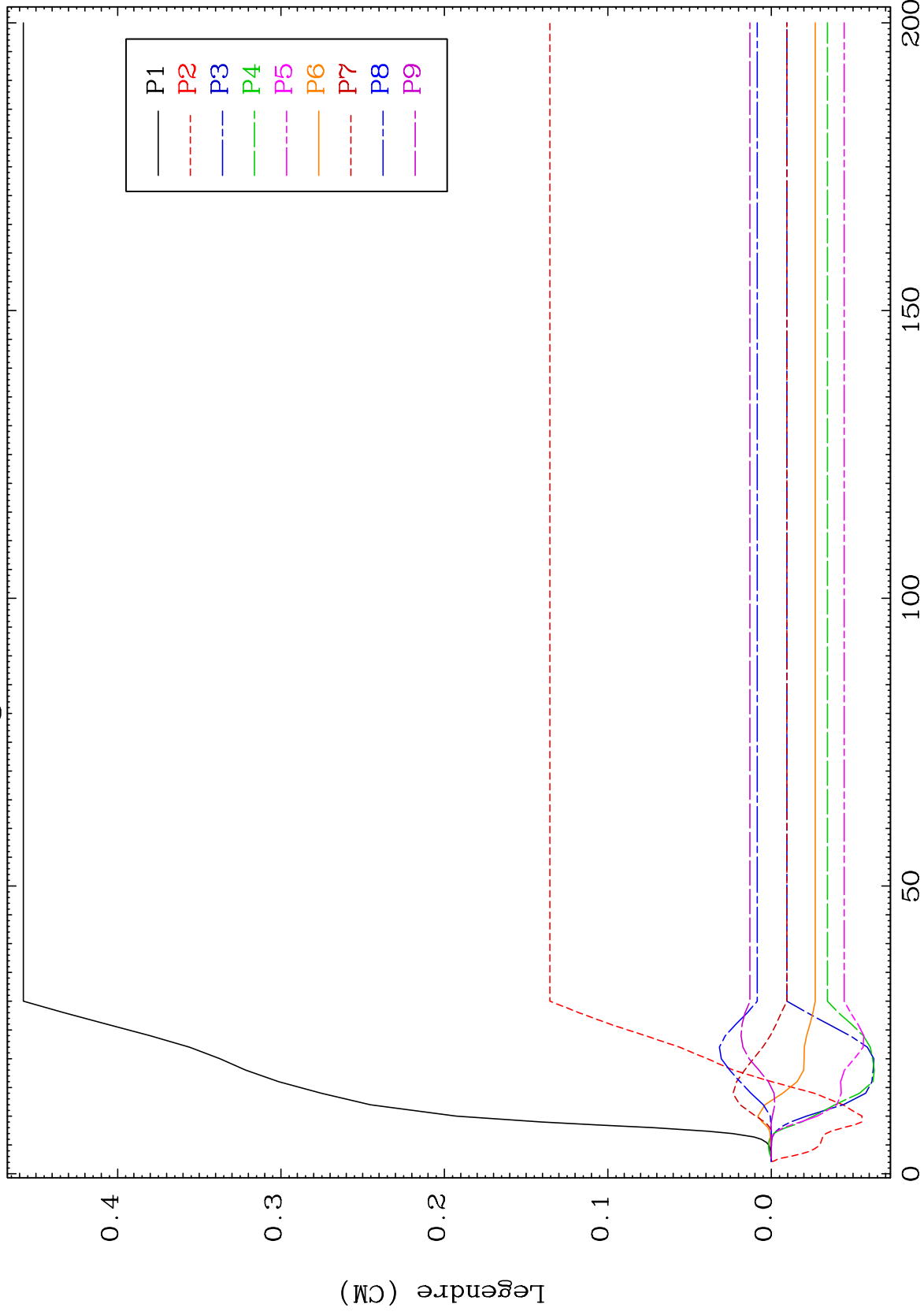


118

MAT 5058

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

50-Sn-123



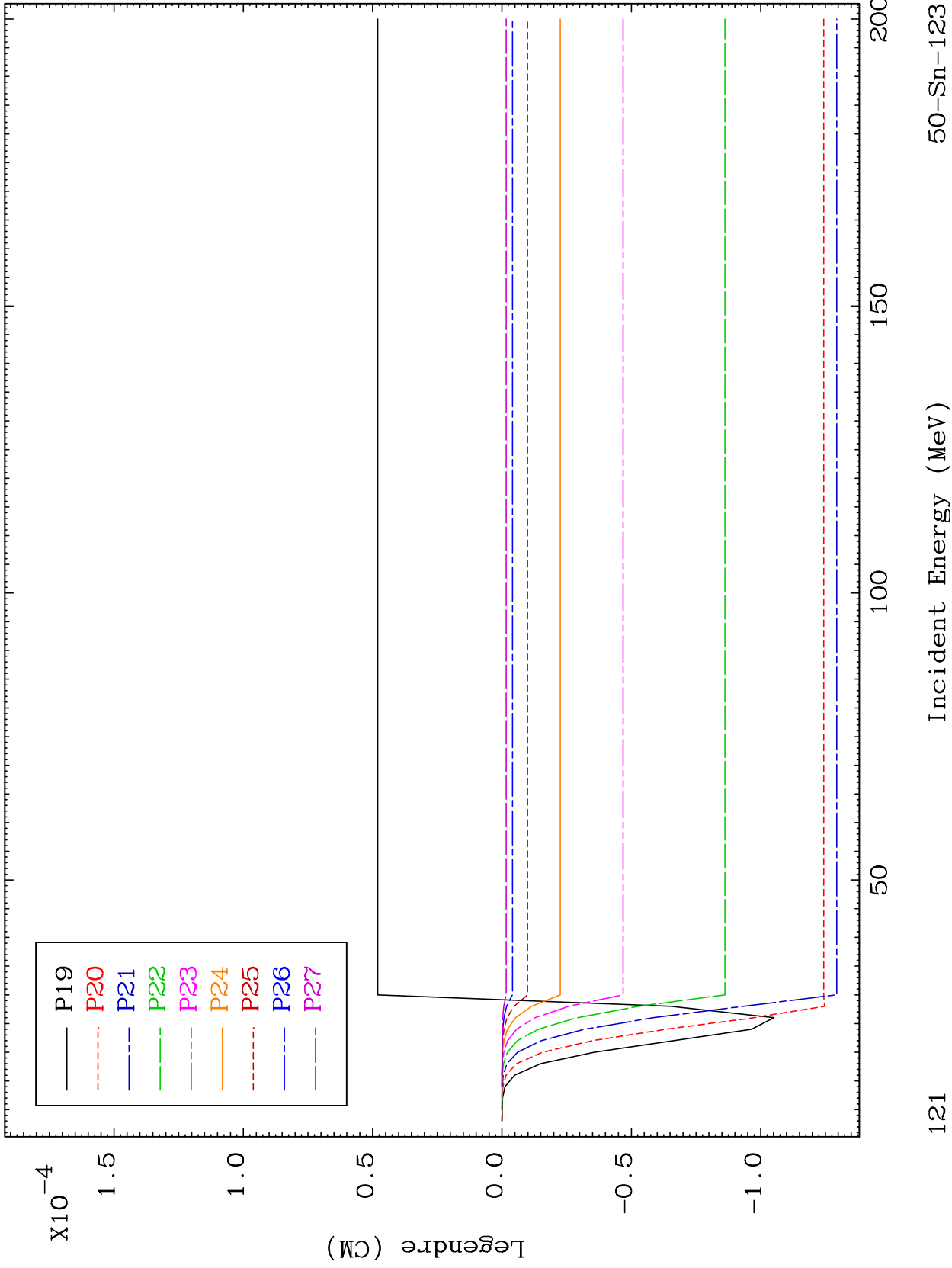
119

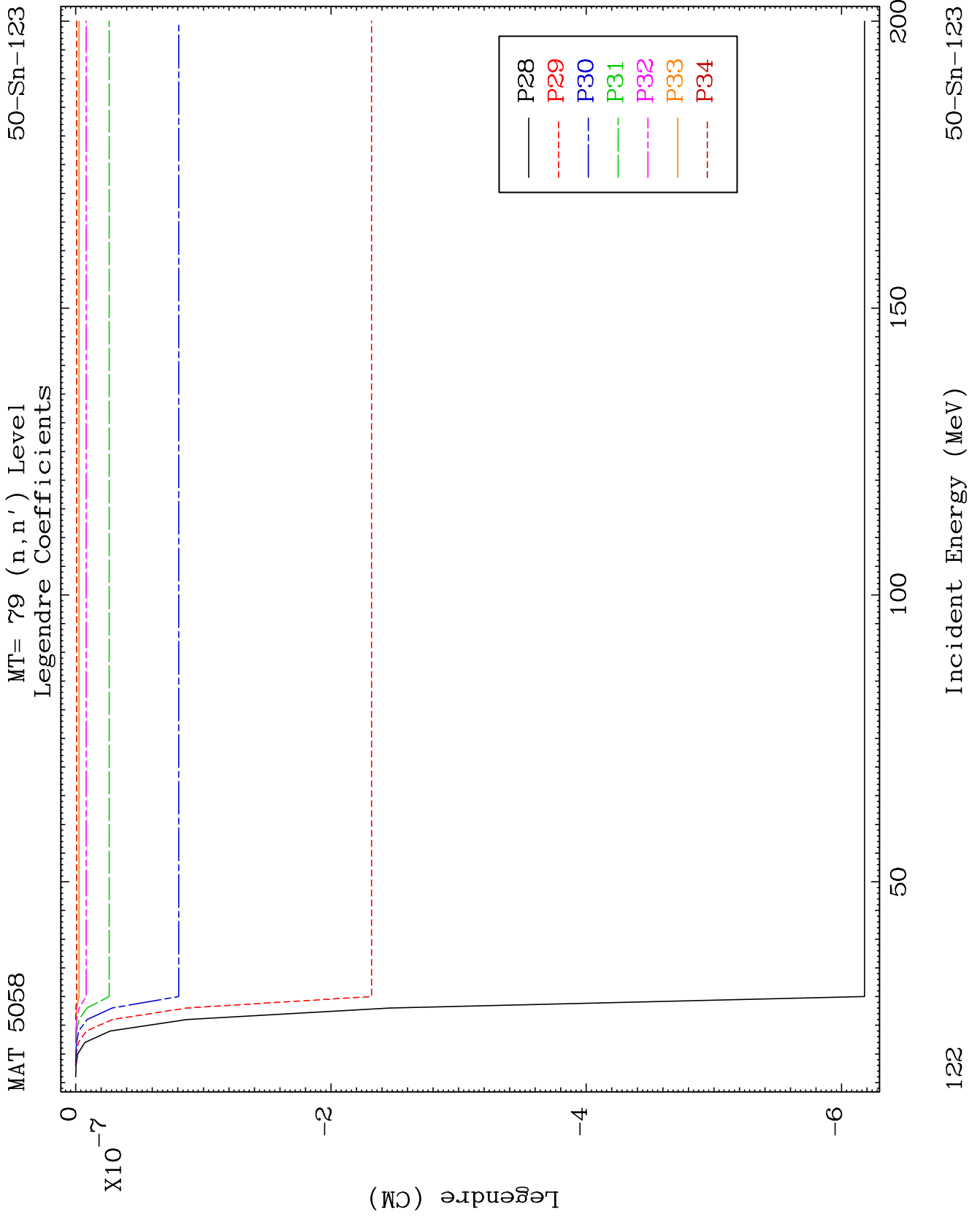
Incident Energy (MeV)

50-Sn-123





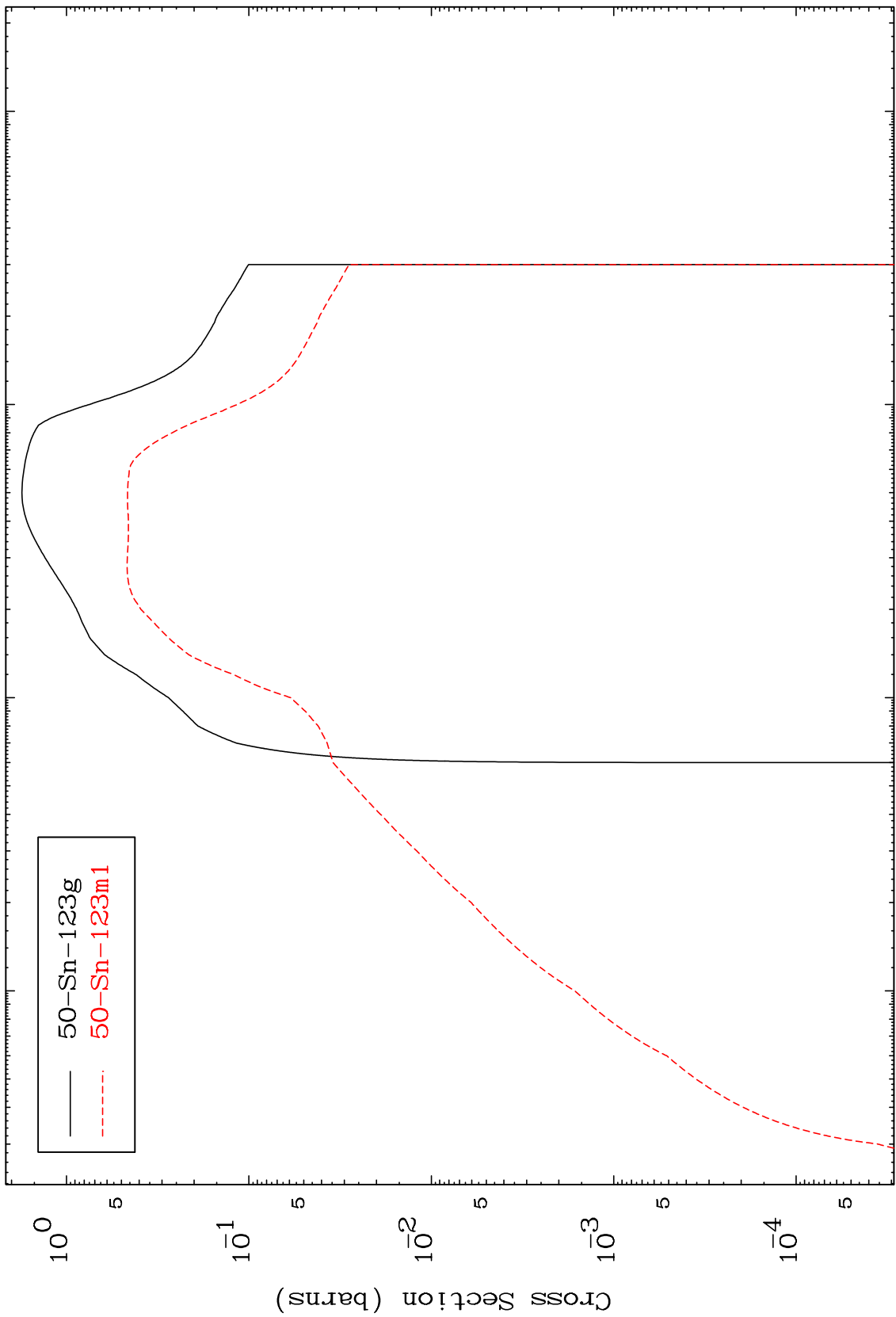




MAT 5058

50-Sn-123

Radionuclide Production Cross Section



123

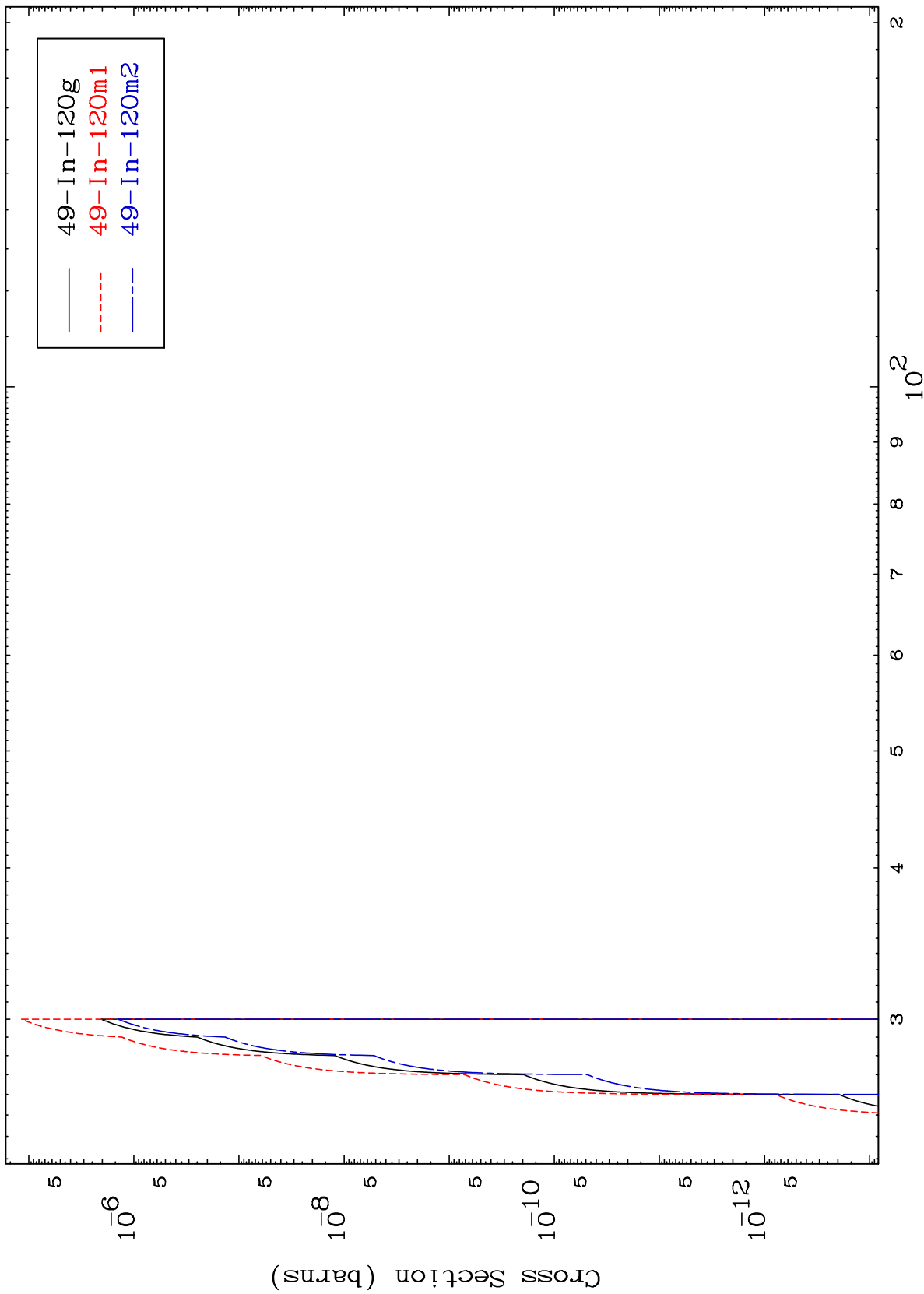
50-Sn-123

MAT 5058

(n,2n) d

50-Sn-123

Radionuclide Production Cross Section



124

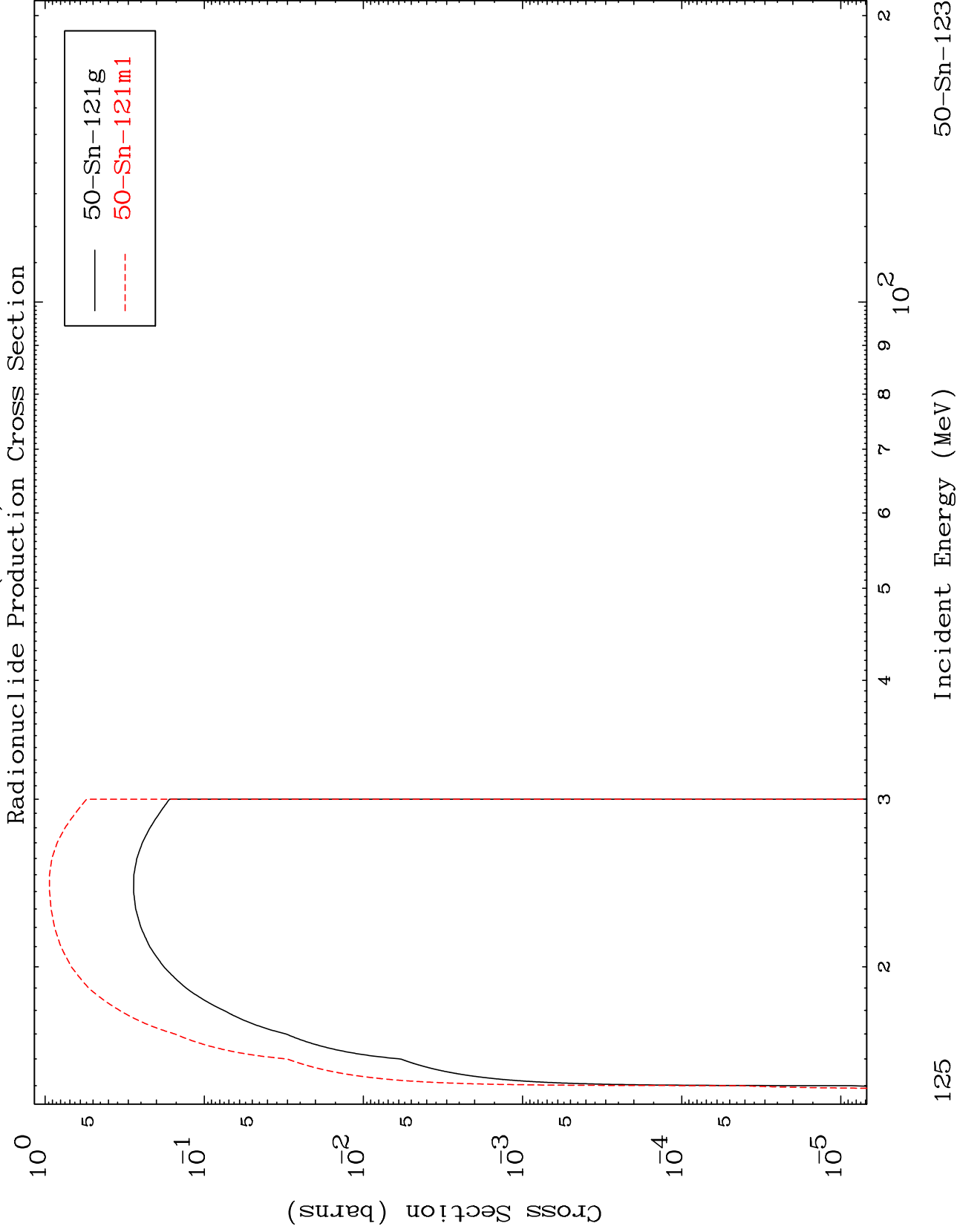
Incident Energy (MeV)

50-Sn-123

MAT 5058

(n,3n)

50-Sn-123



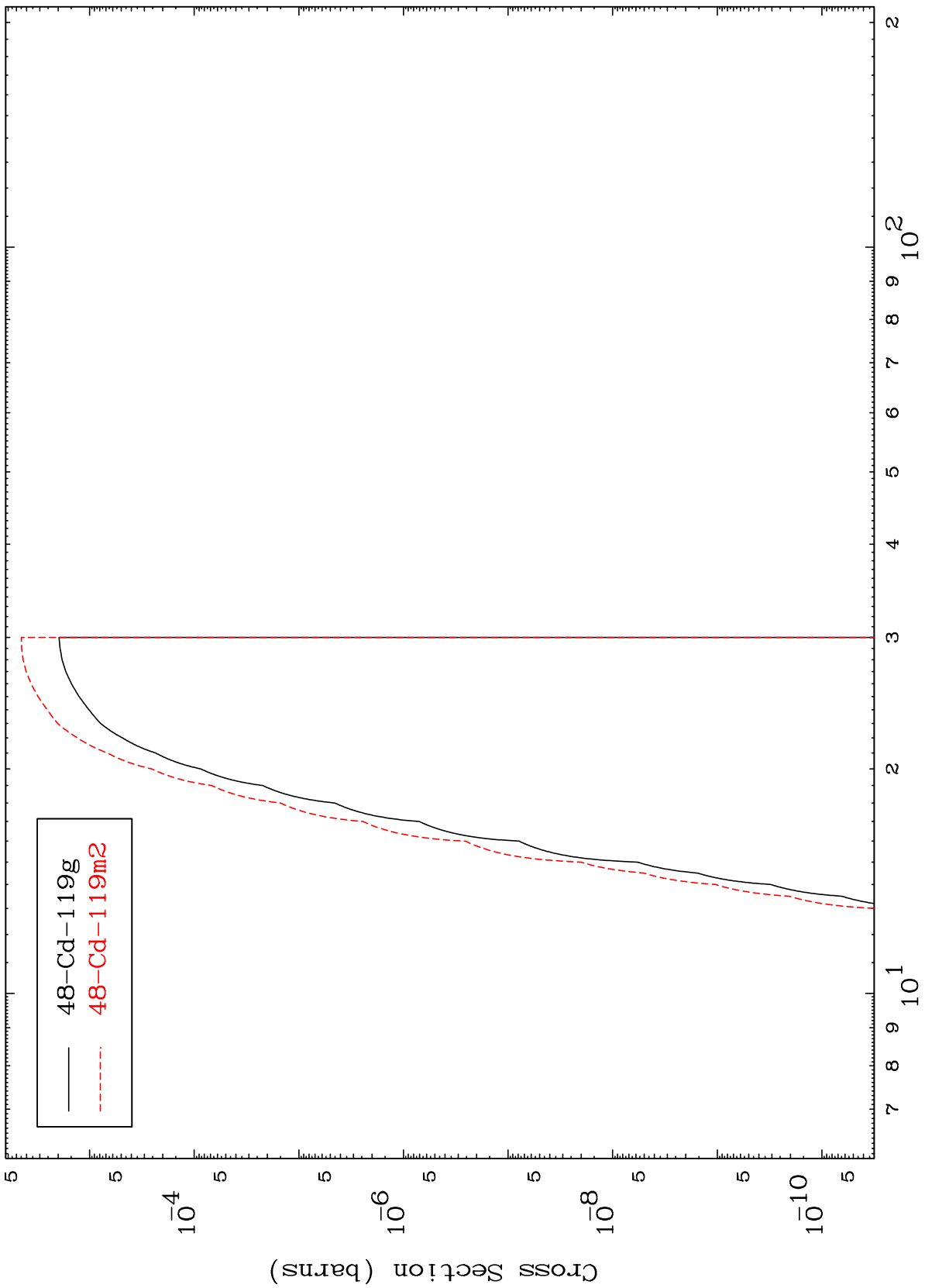
125

MAT 5058

50-Sn-123

(n,n')  $\alpha$

Radionuclide Production Cross Section



126

Incident Energy (MeV)

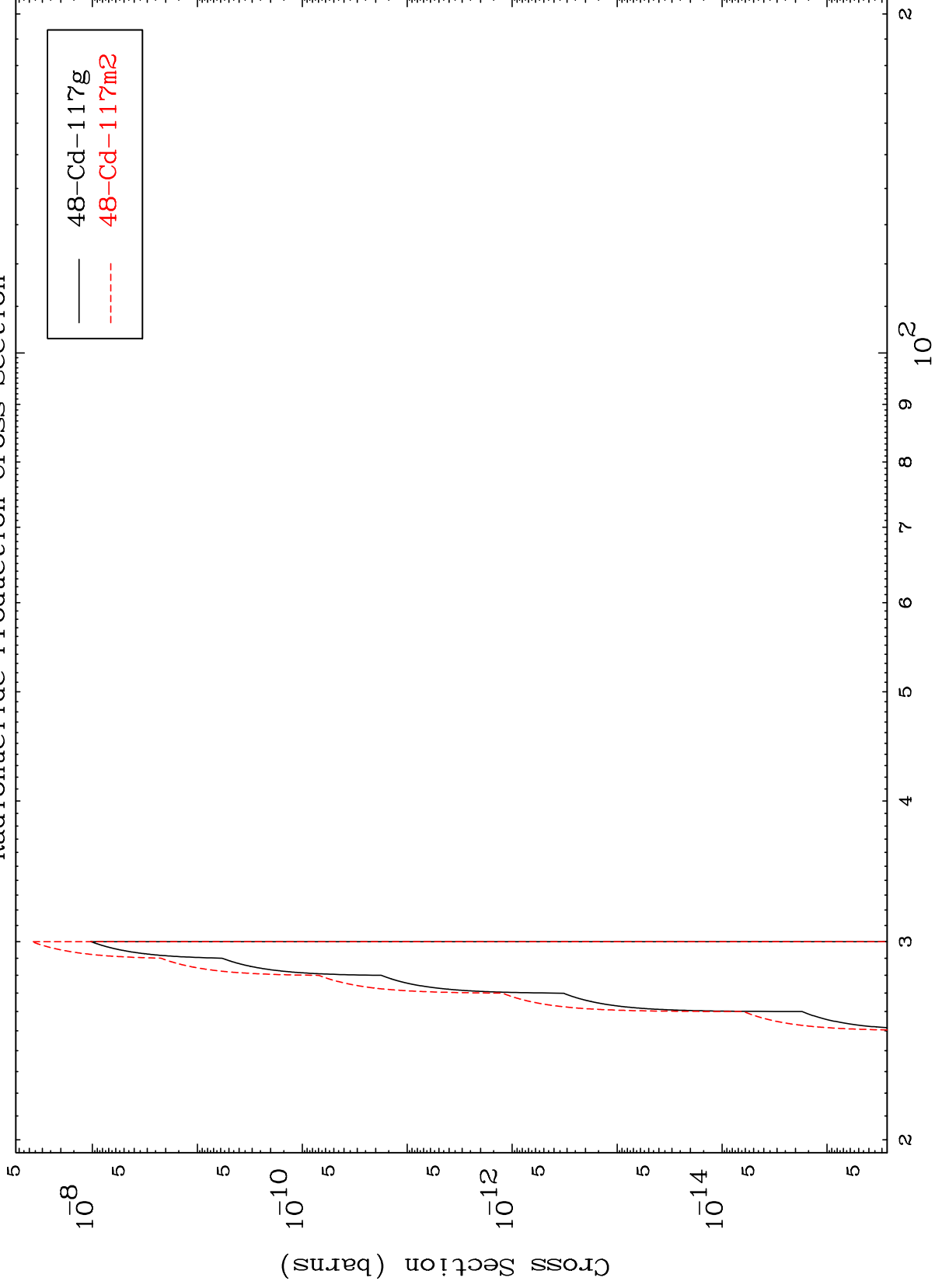
50-Sn-123

MAT 5058

$(n,3n) \alpha$

50-Sn-123

Radionuclide Production Cross Section



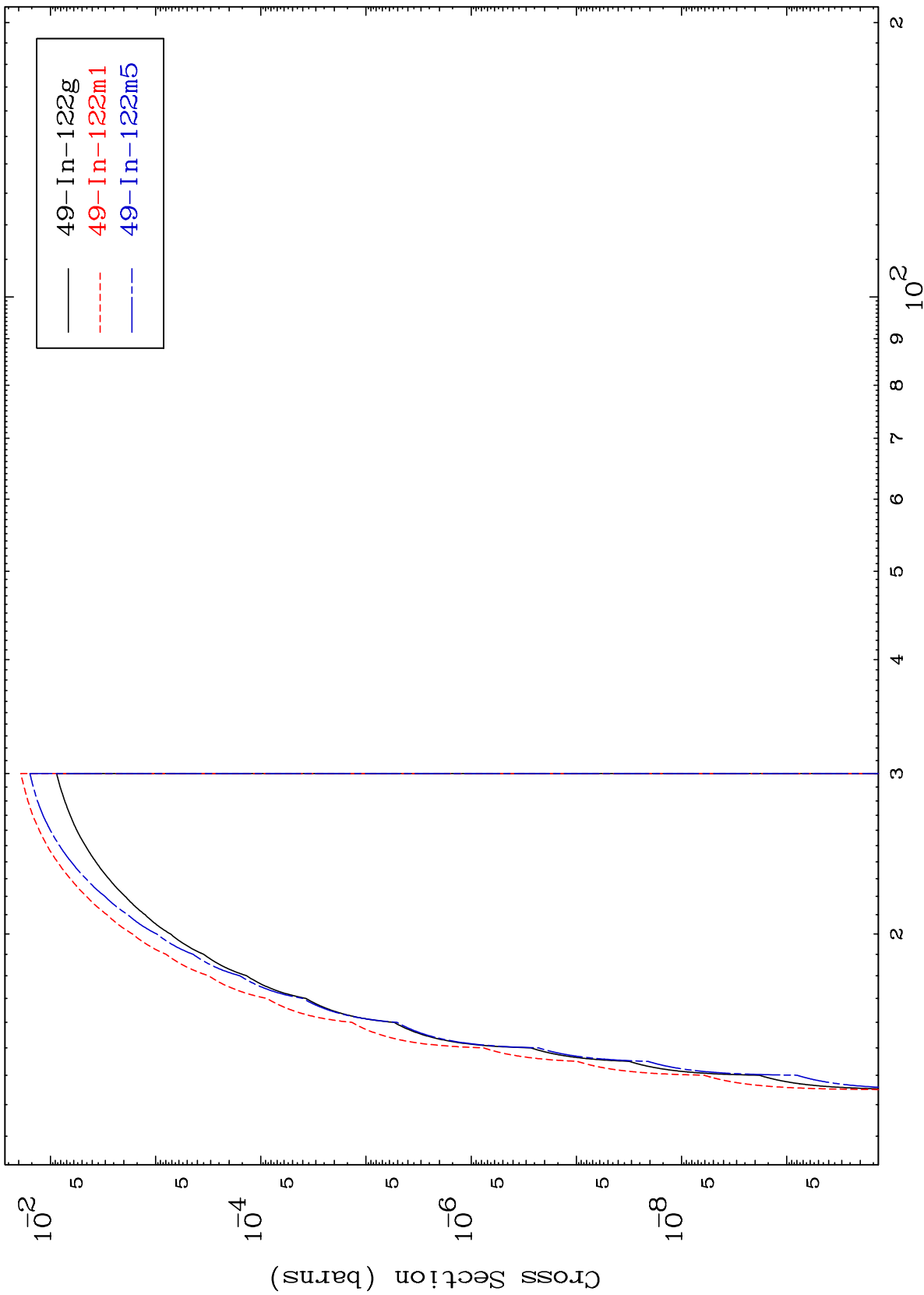
127

Incident Energy (MeV)

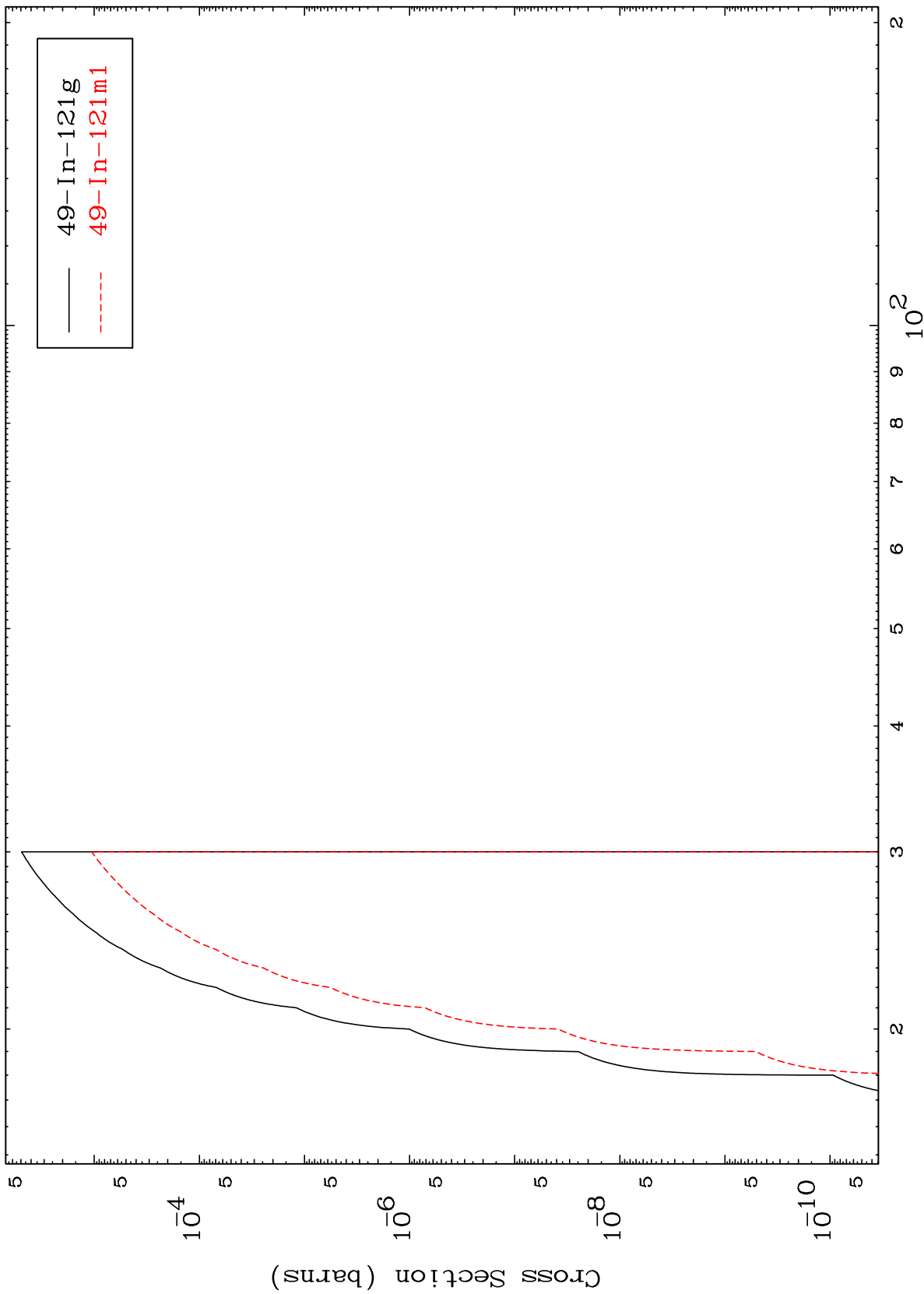
50-Sn-123



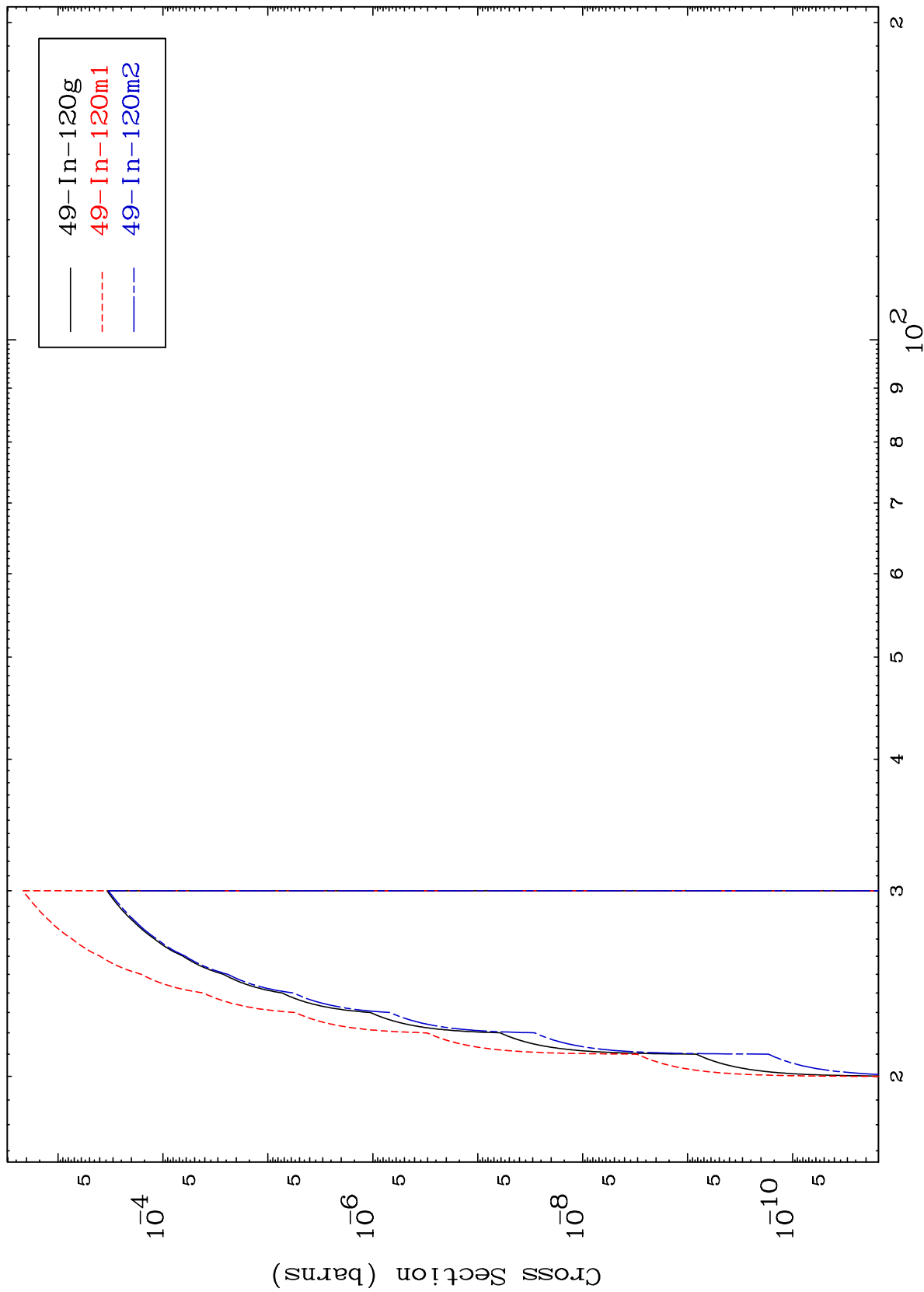
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

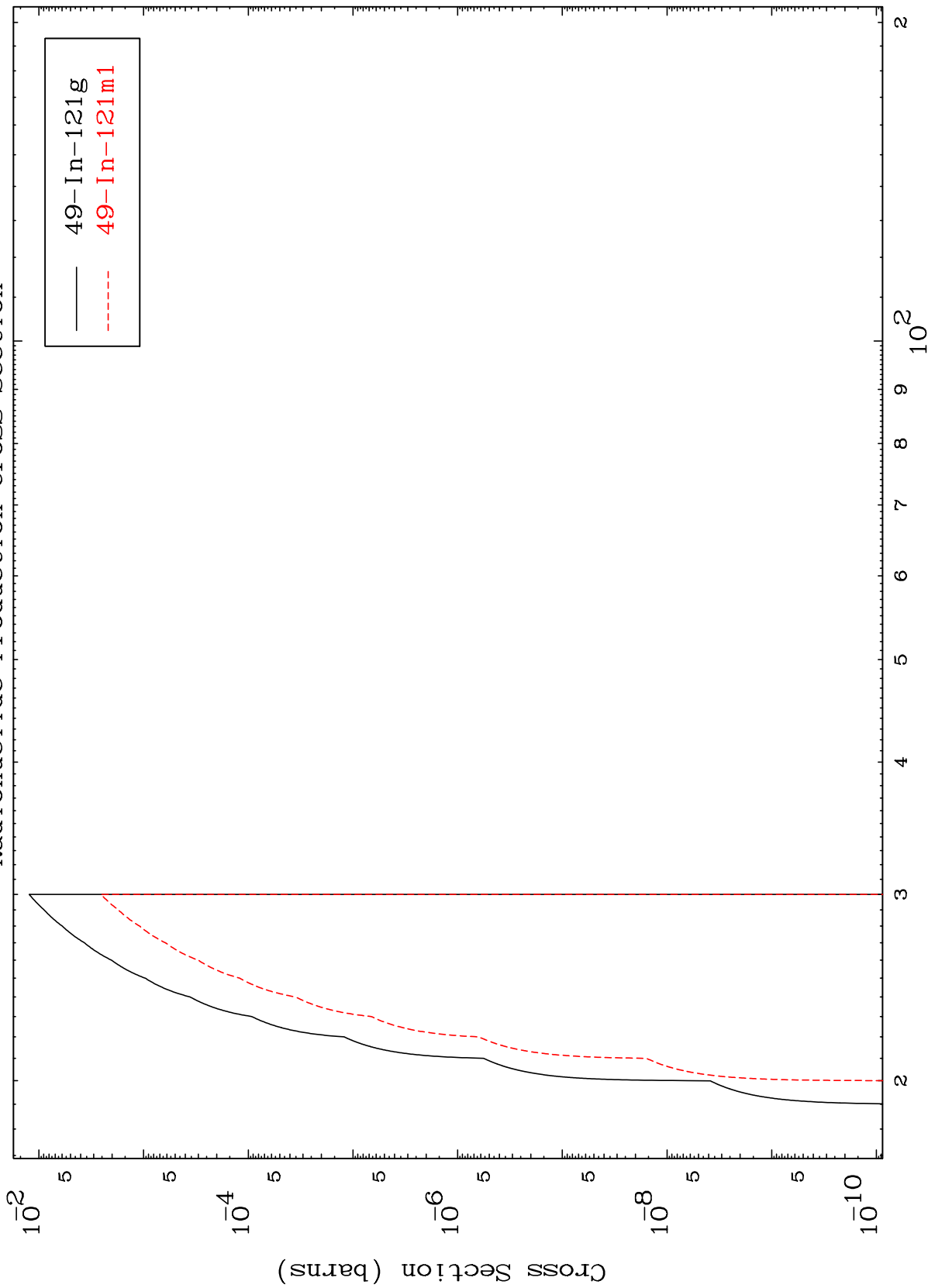


MAT 5058

(n,2n) p

50-Sn-123

Radionuclide Production Cross Section



131

Incident Energy (MeV)

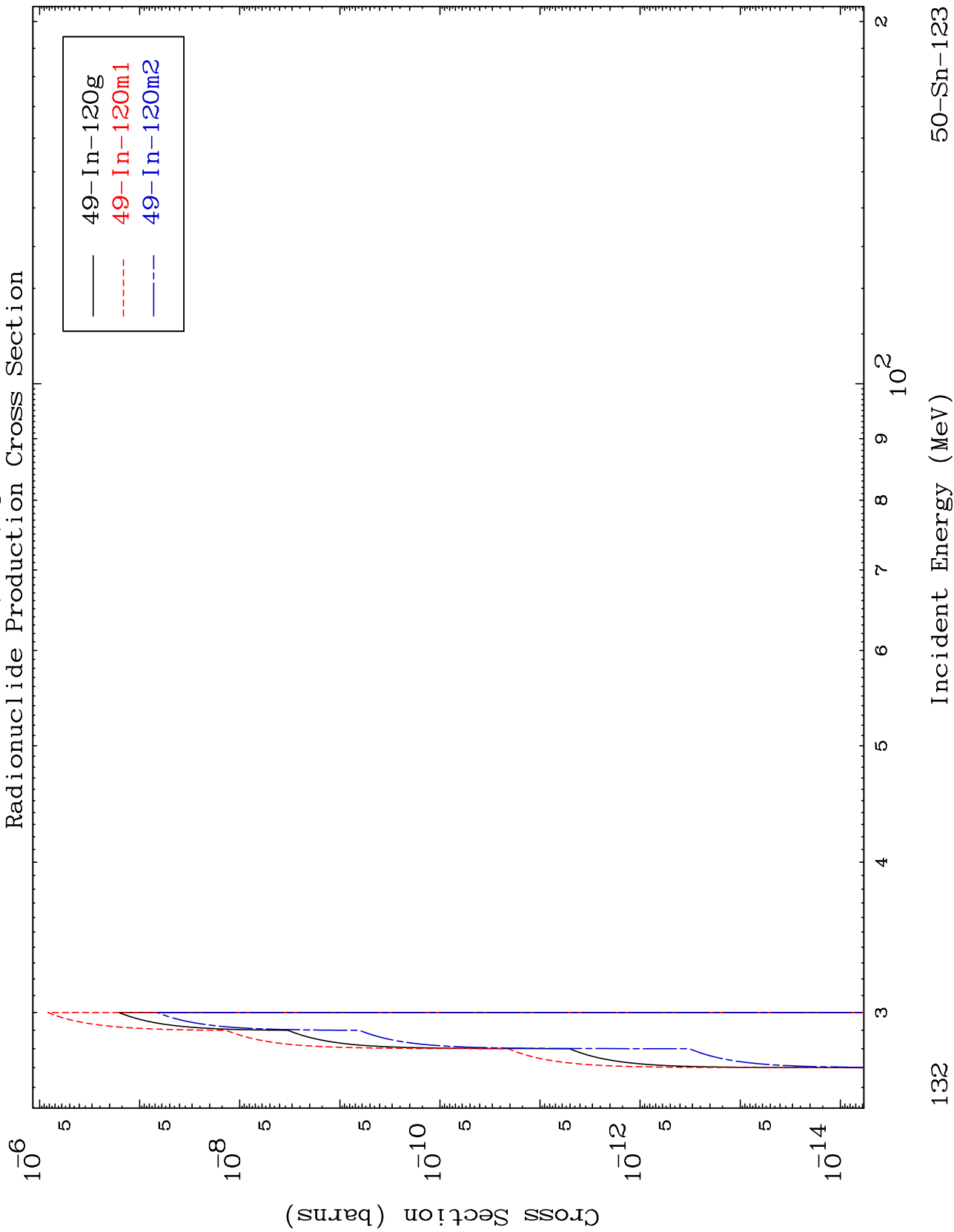
50-Sn-123

MAT 5058

(n,3n) p

50-Sn-123

Radionuclide Production Cross Section



132

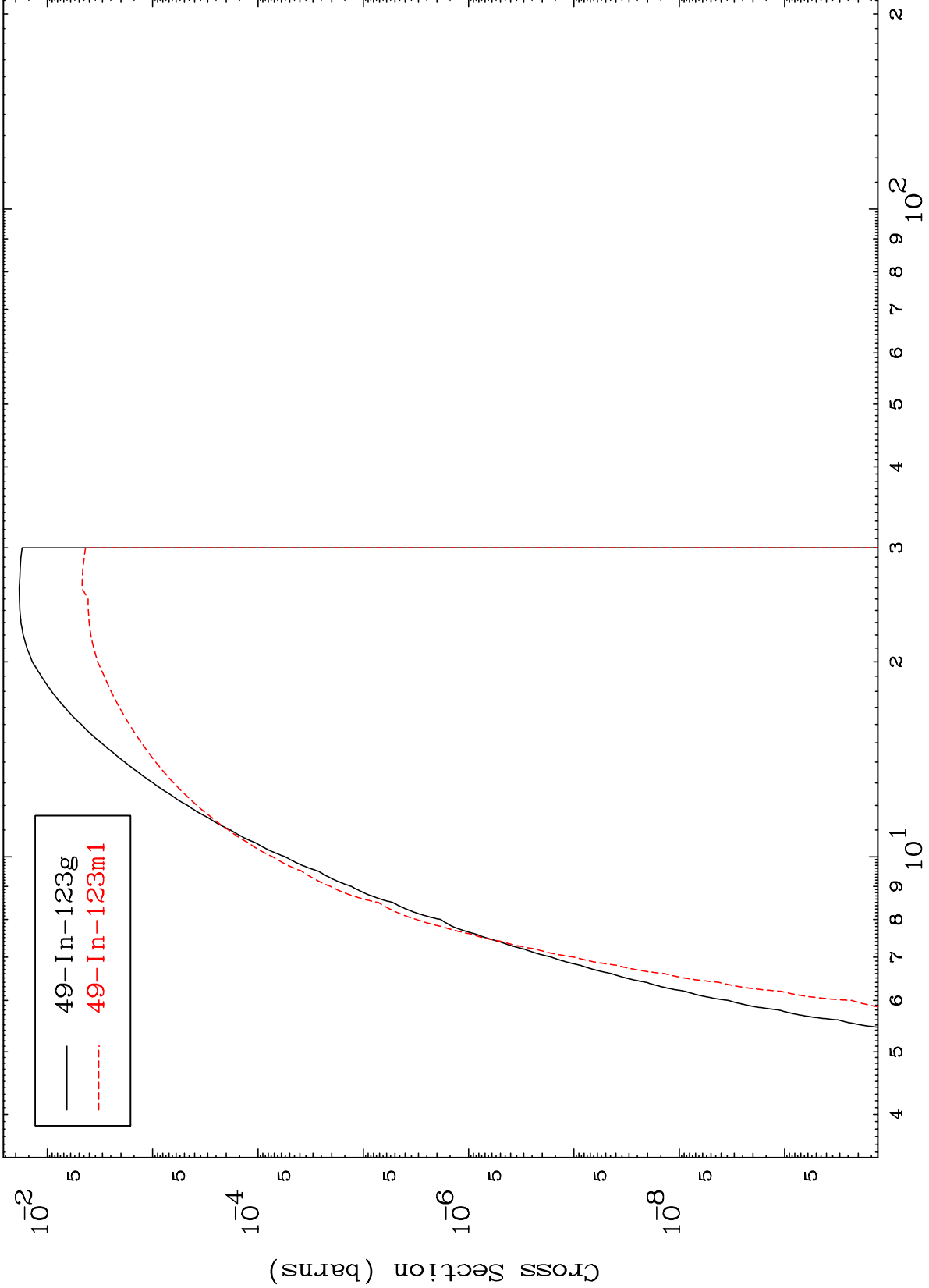
Incident Energy (MeV)

50-Sn-123

MAT 5058

50-Sn-123

(n,p)  
Radionuclide Production Cross Section



— 49-In-123g  
- - - 49-In-123m1

133

Incident Energy (MeV)

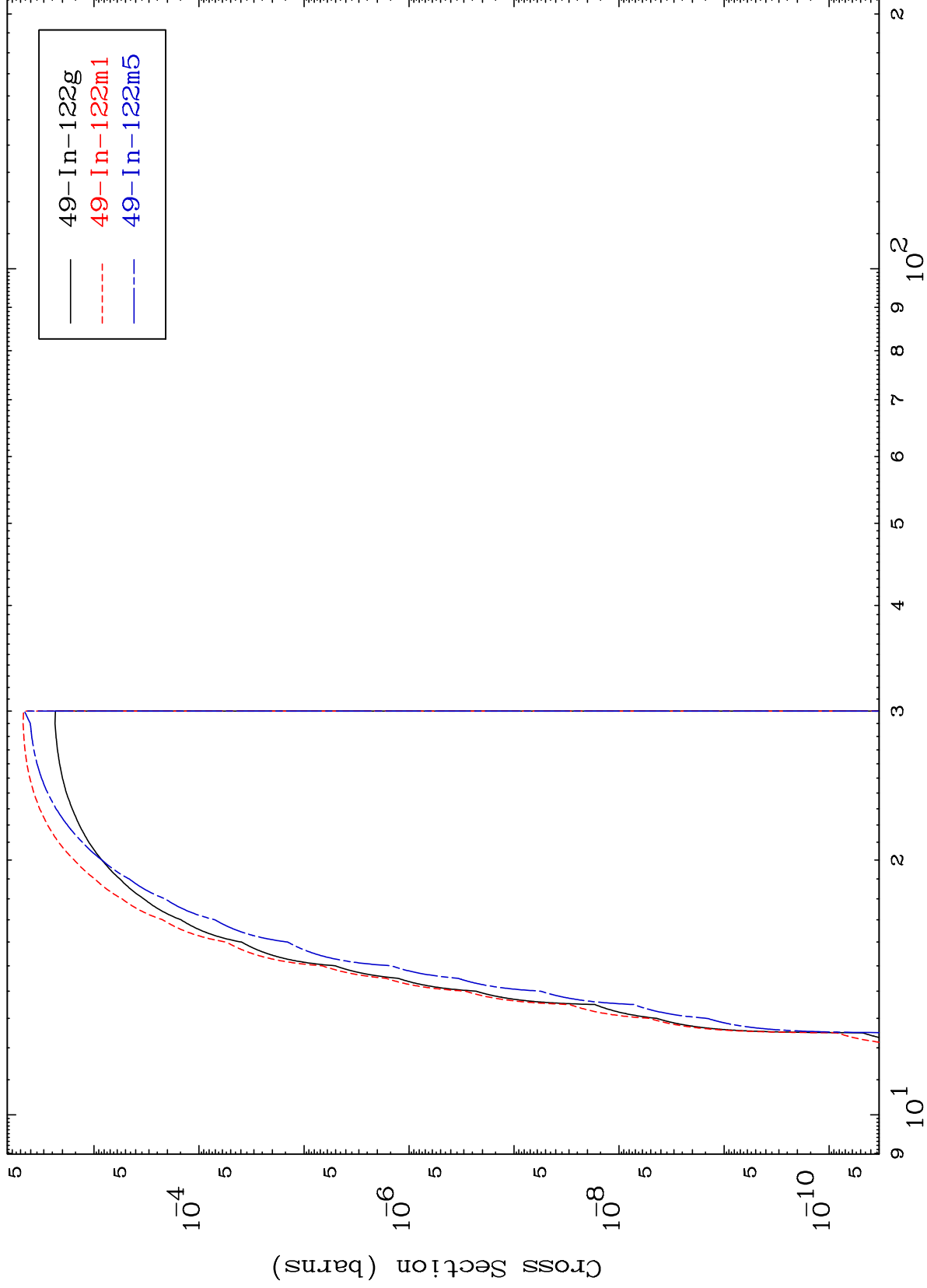
50-Sn-123

MAT 5058

(n,d)

50-Sn-123

Radionuclide Production Cross Section



134

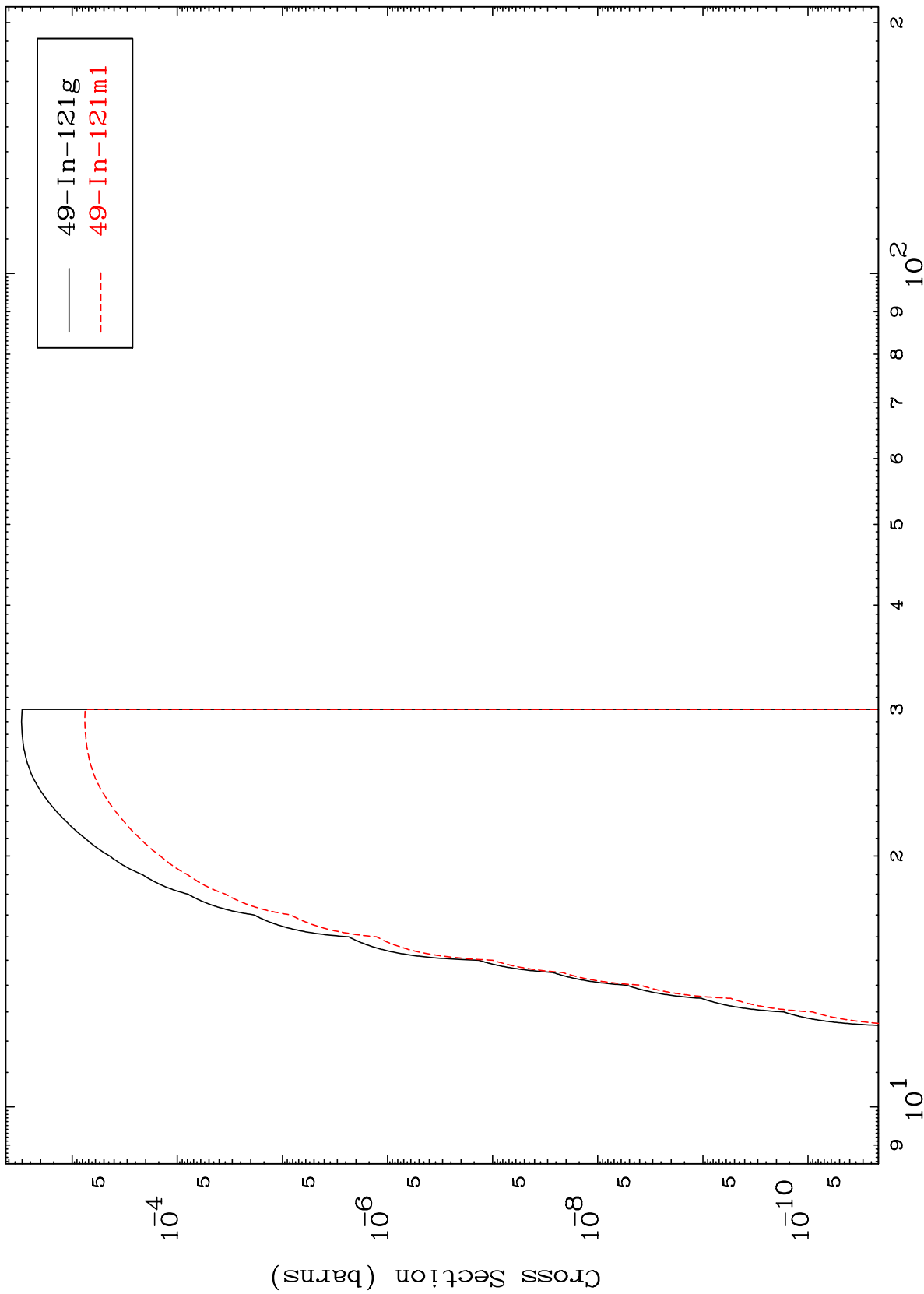
Incident Energy (MeV)

50-Sn-123

MAT 5058

50-Sn-123

(n,t)  
Radionuclide Production Cross Section



50-Sn-123

Incident Energy (MeV)

135



Radionuclide Production Cross Section

