

Program EVALPLOT  
(Version 2018-1)

by

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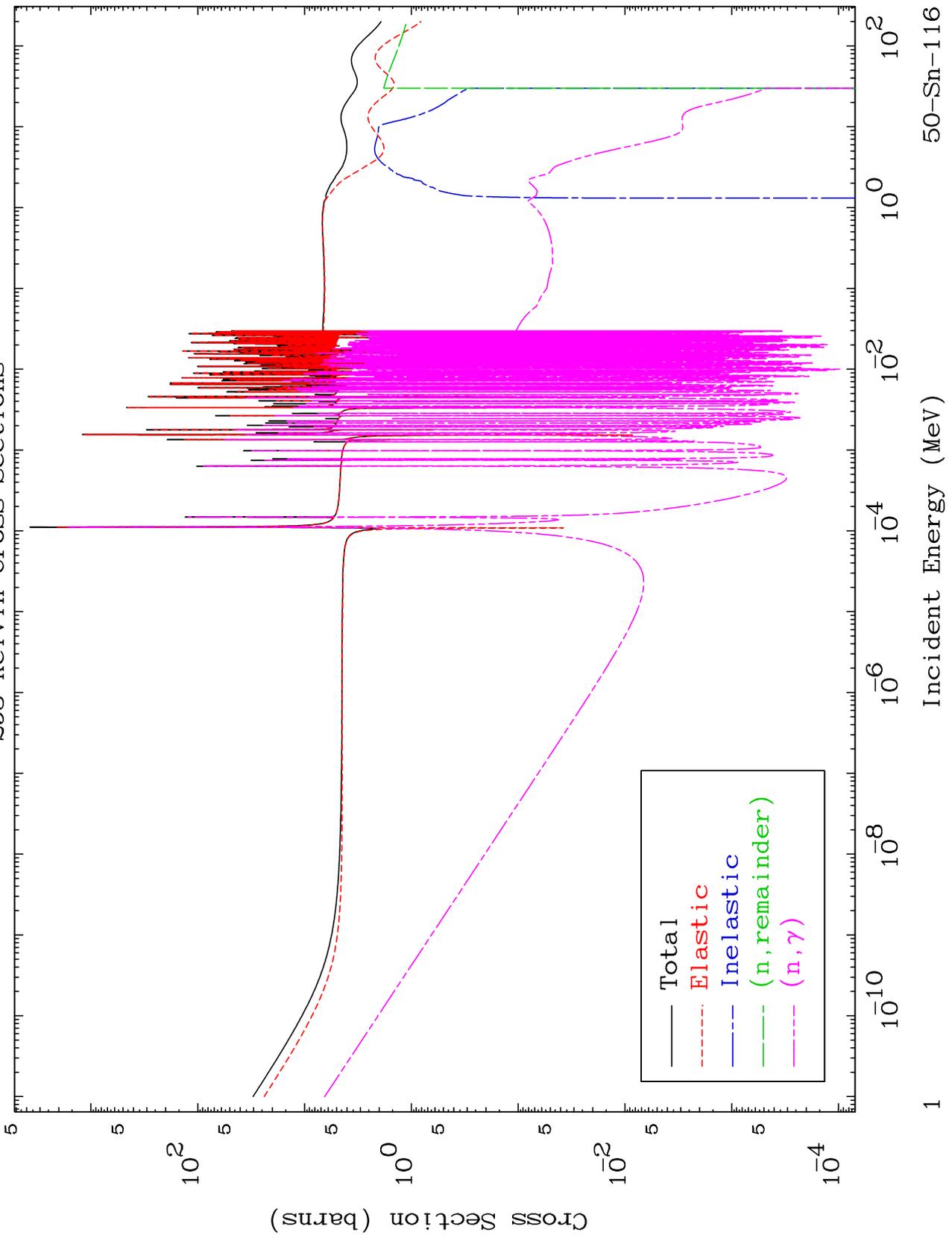
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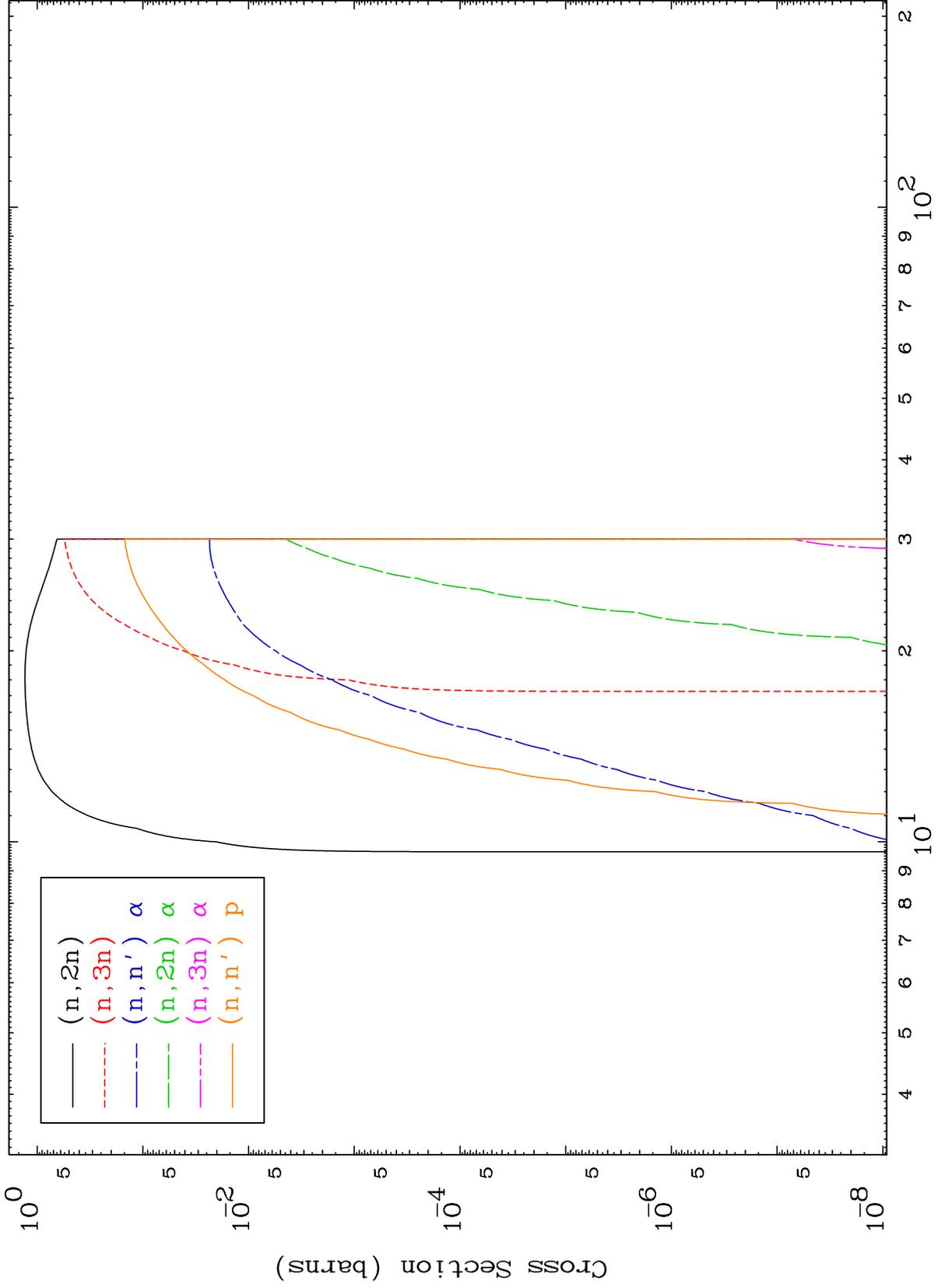
MAT 5037

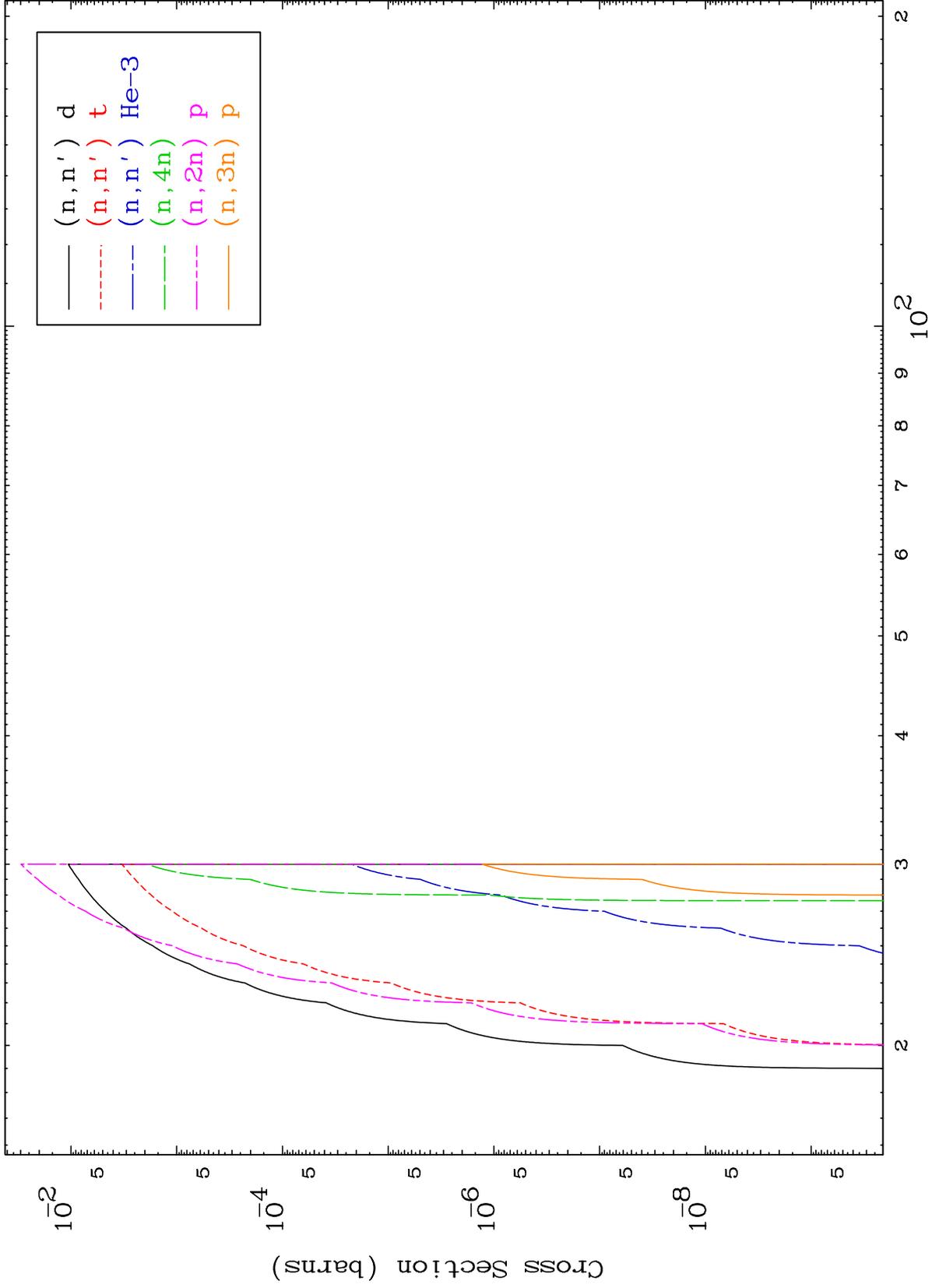
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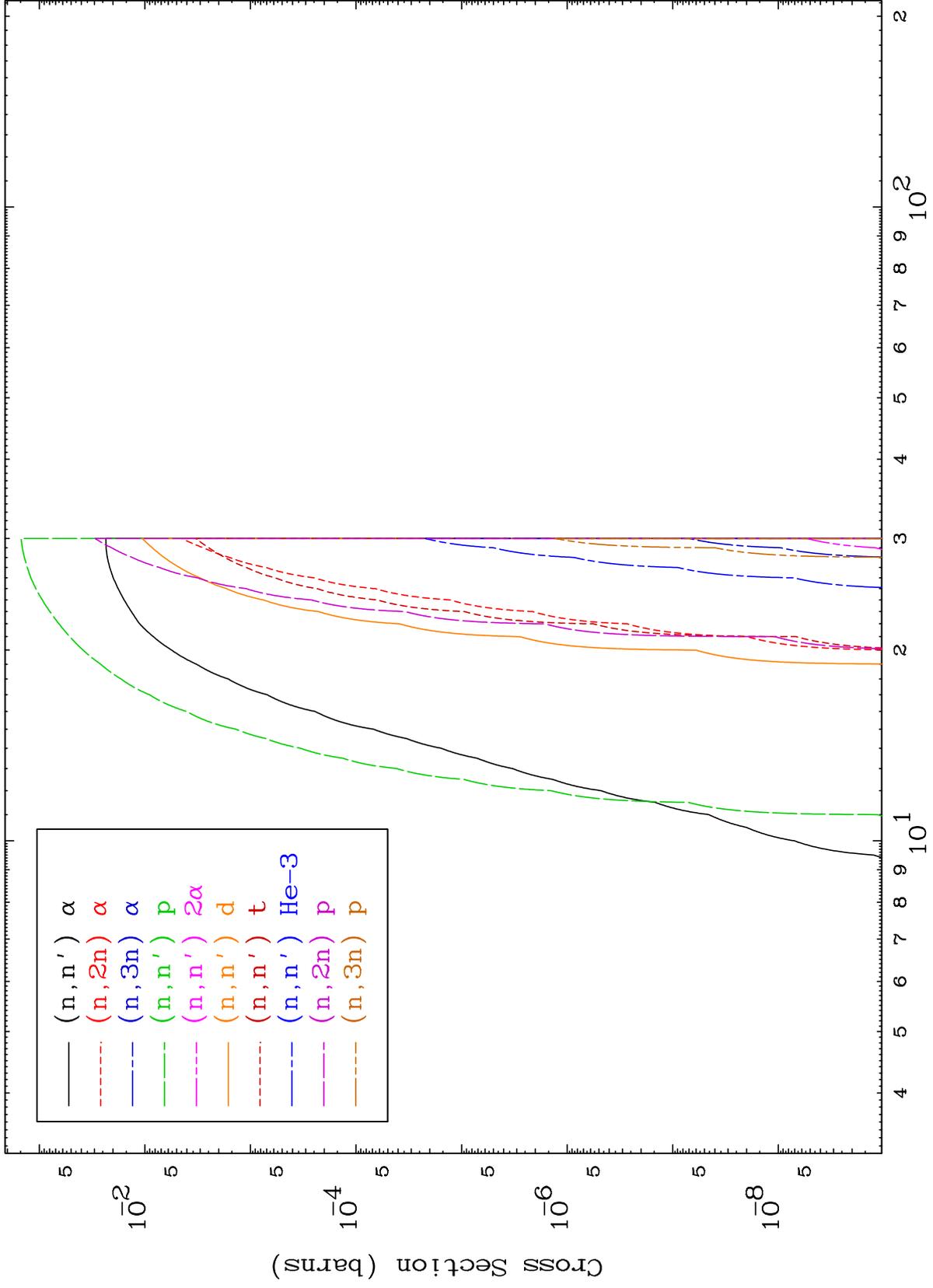
293 Kelvin Cross Sections

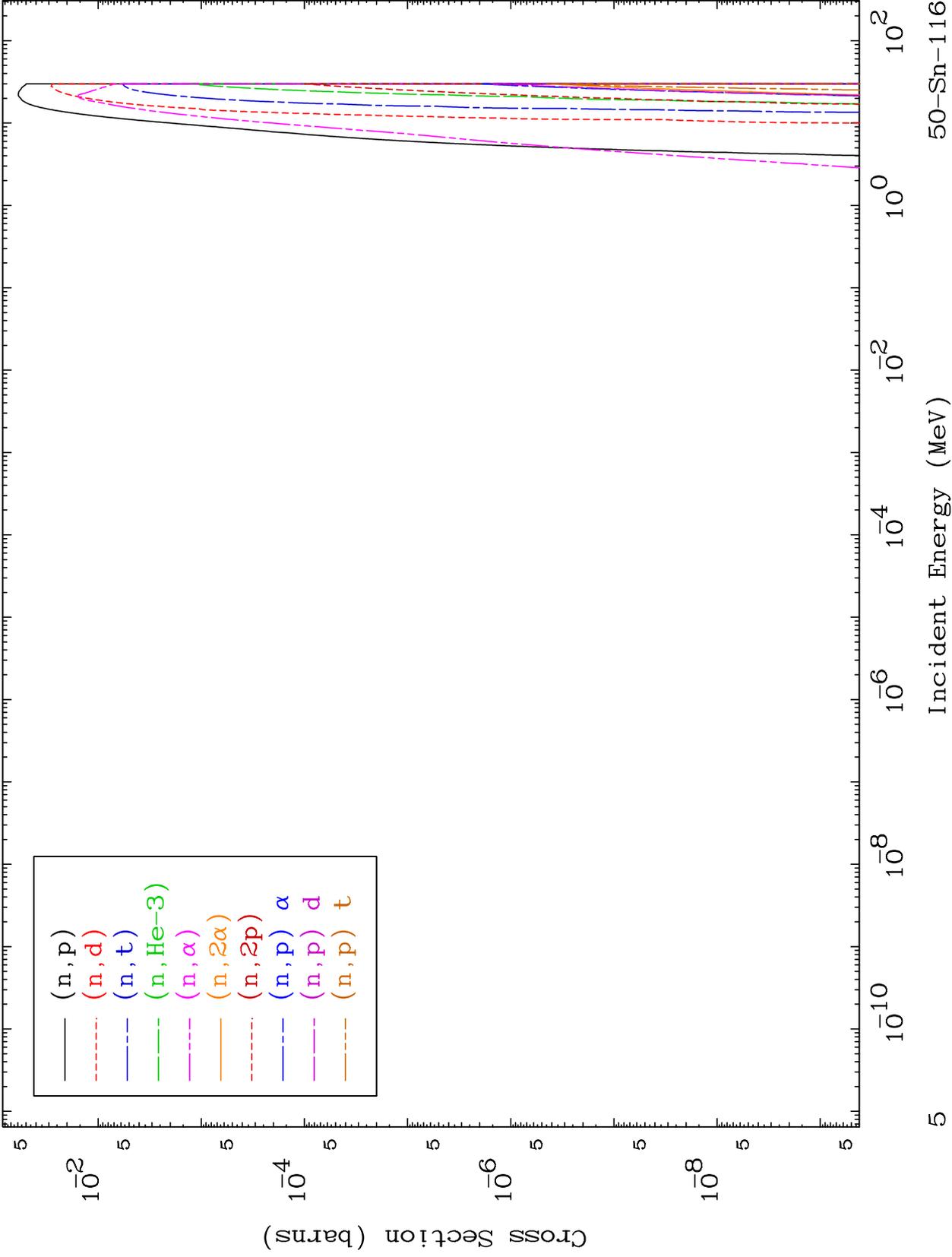
50-Sn-116







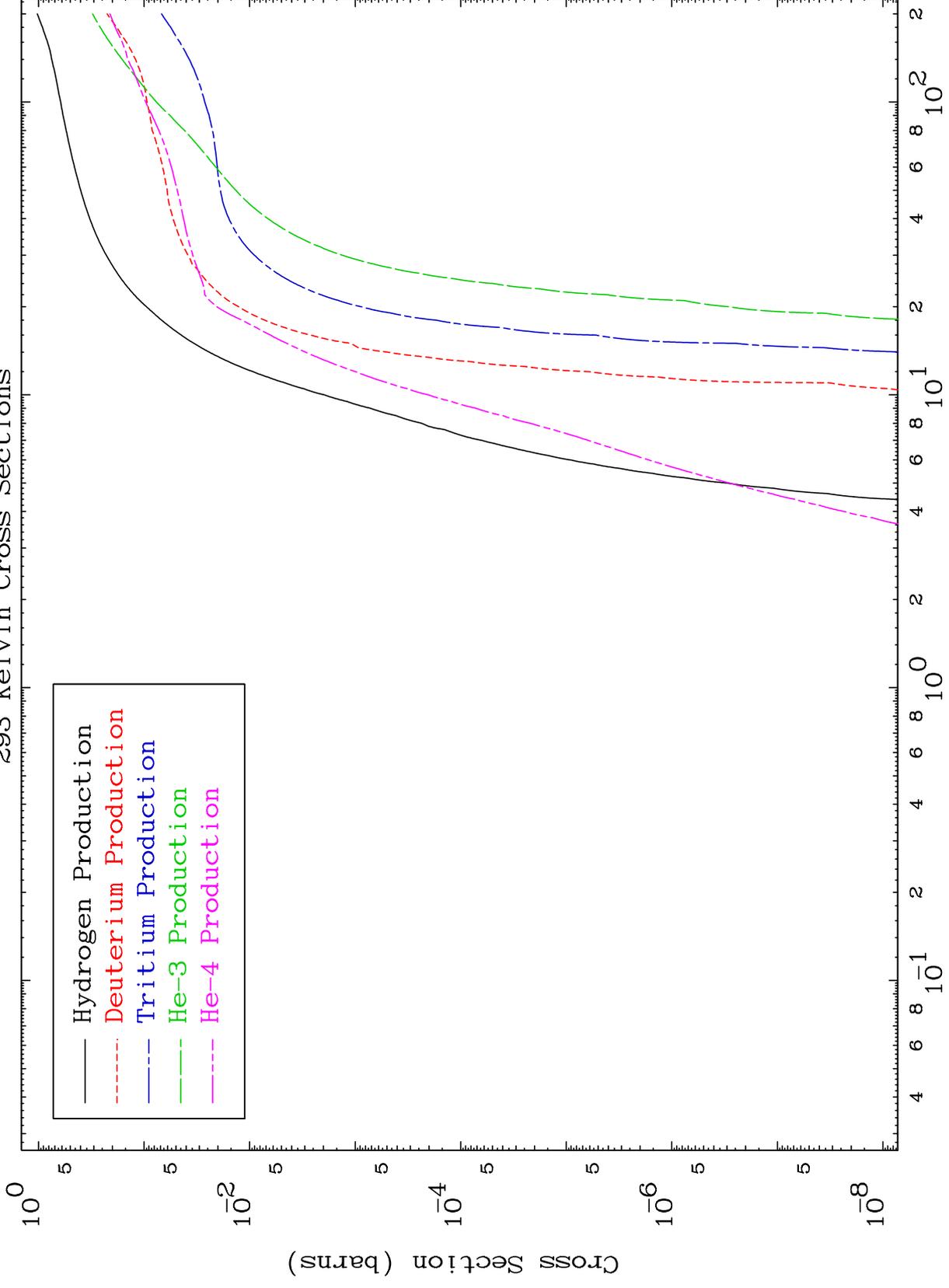




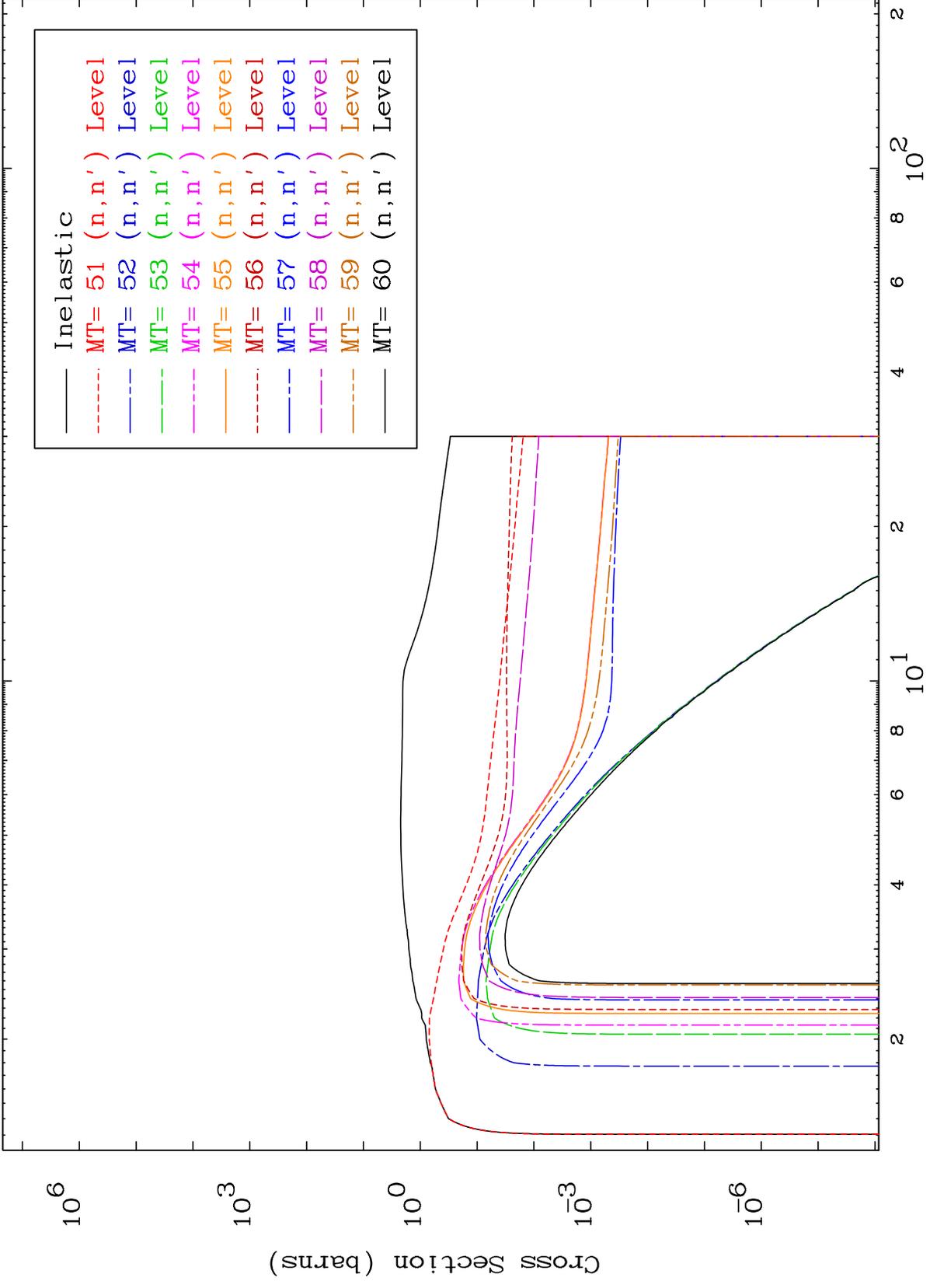
MAT 5037

Particle Production  
293 Kelvin Cross Sections

50-Sn-116



293 Kelvin Cross Sections

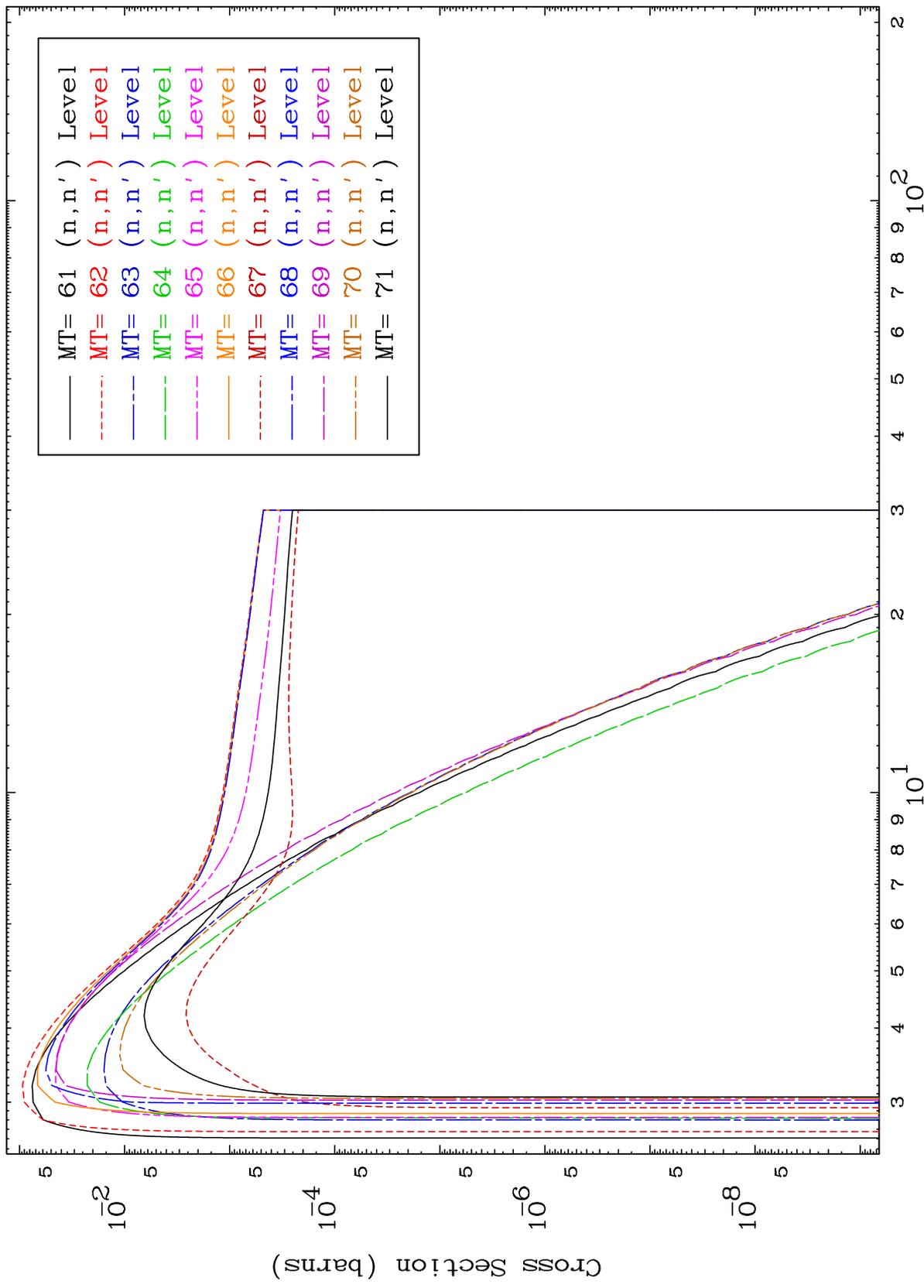


MAT 5037

(n,n') Level

50-Sn-116

293 Kelvin Cross Sections



8

Incident Energy (MeV)

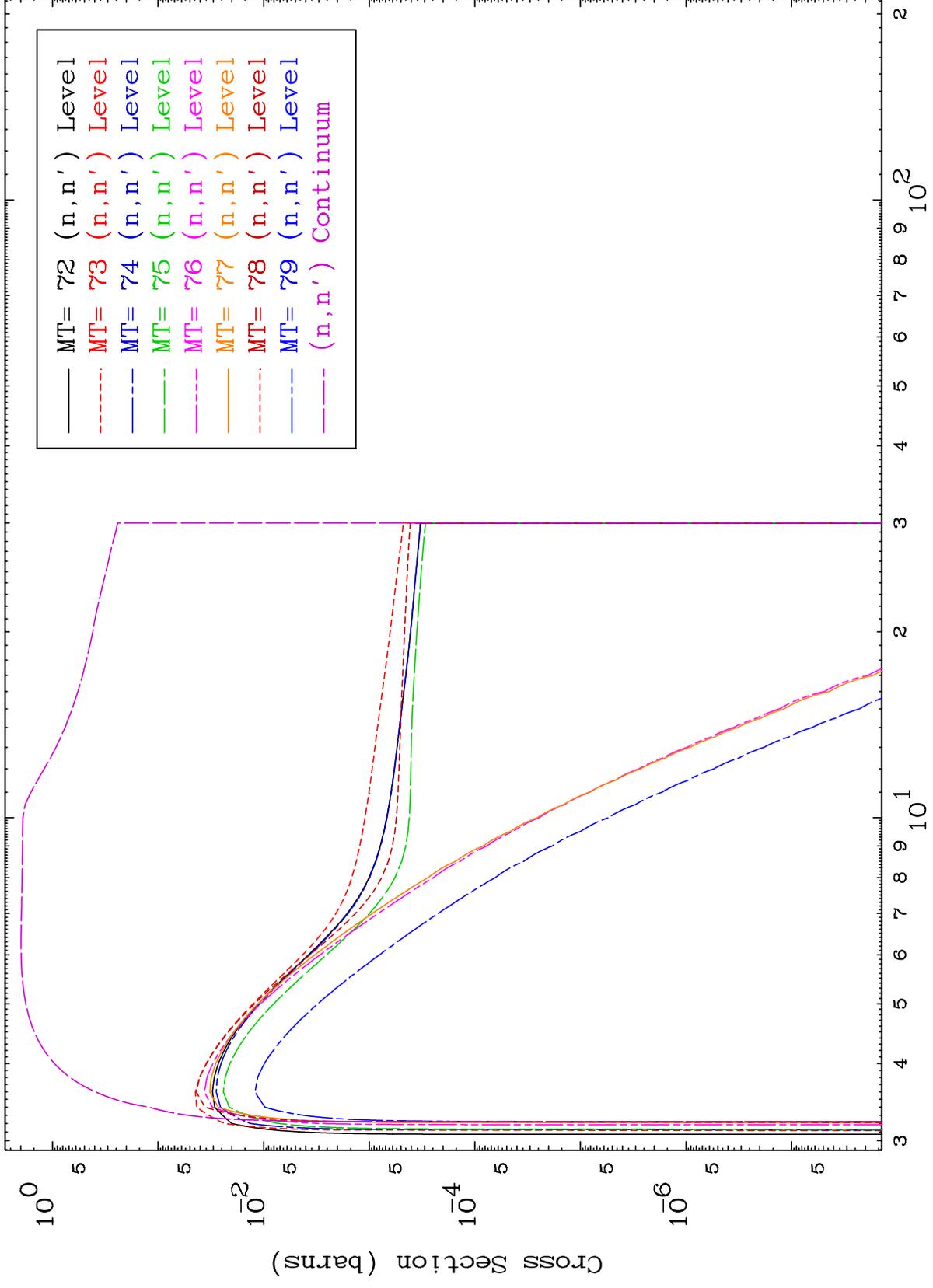
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MAT 5037

(n,n') Level

50-Sn-116

293 Kelvin Cross Sections



9

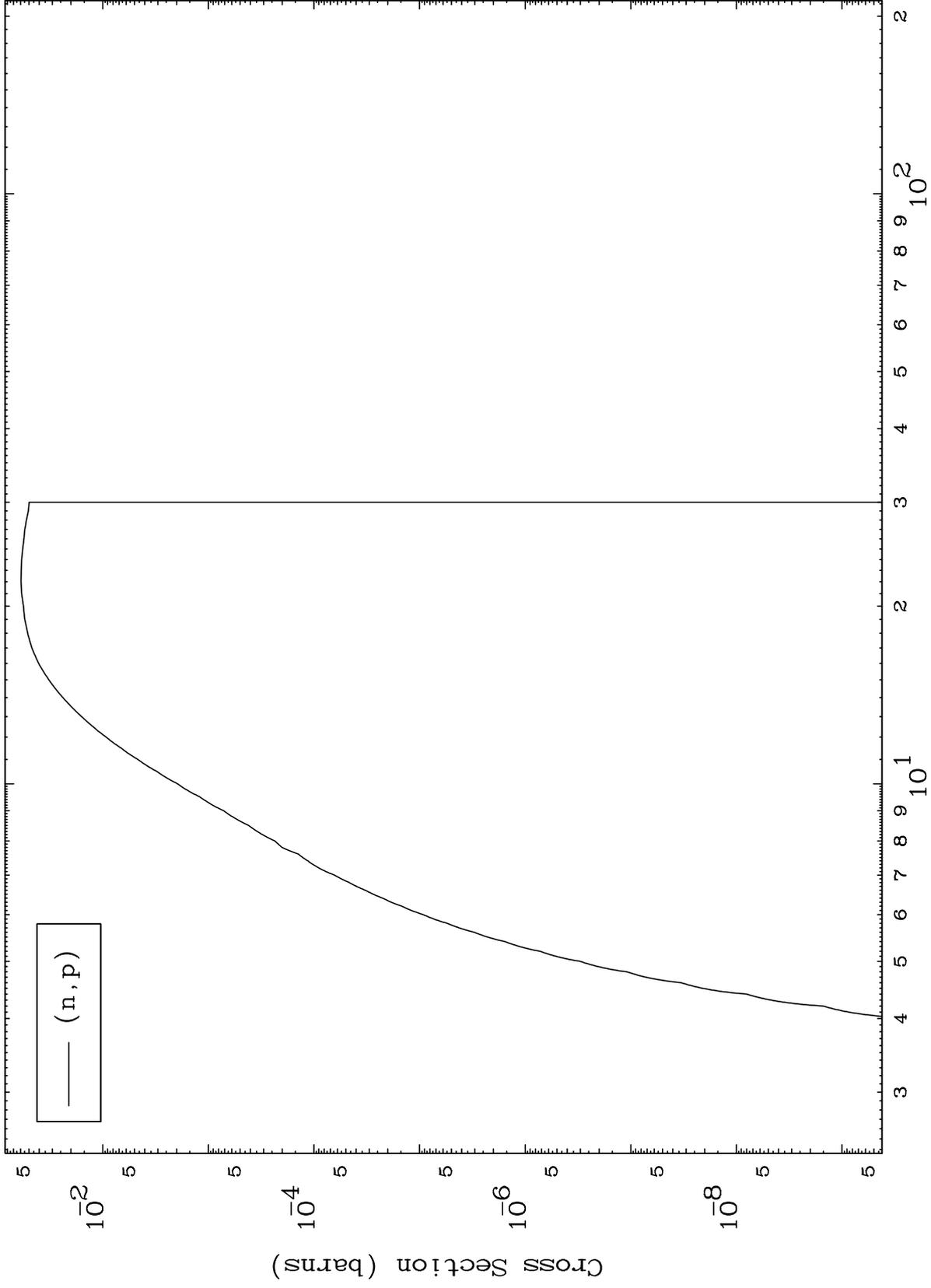
Incident Energy (MeV)

50-Sn-116

MAT 5037

(n,p) Levels  
293 Kelvin Cross Sections

50-Sn-116



10

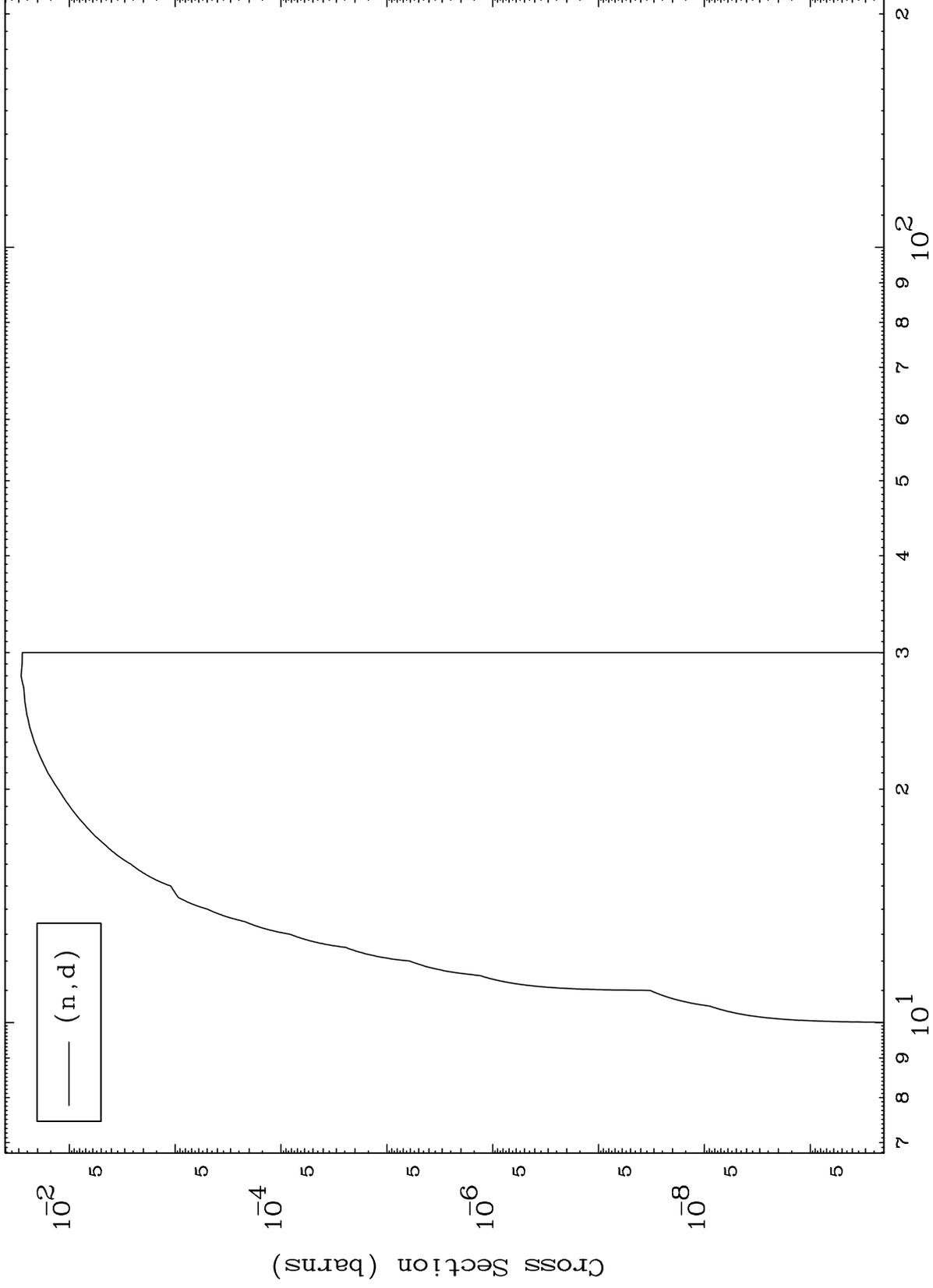
Incident Energy (MeV)

50-Sn-116

MAT 5037

(n,d) Levels  
293 Kelvin Cross Sections

50-Sn-116



11

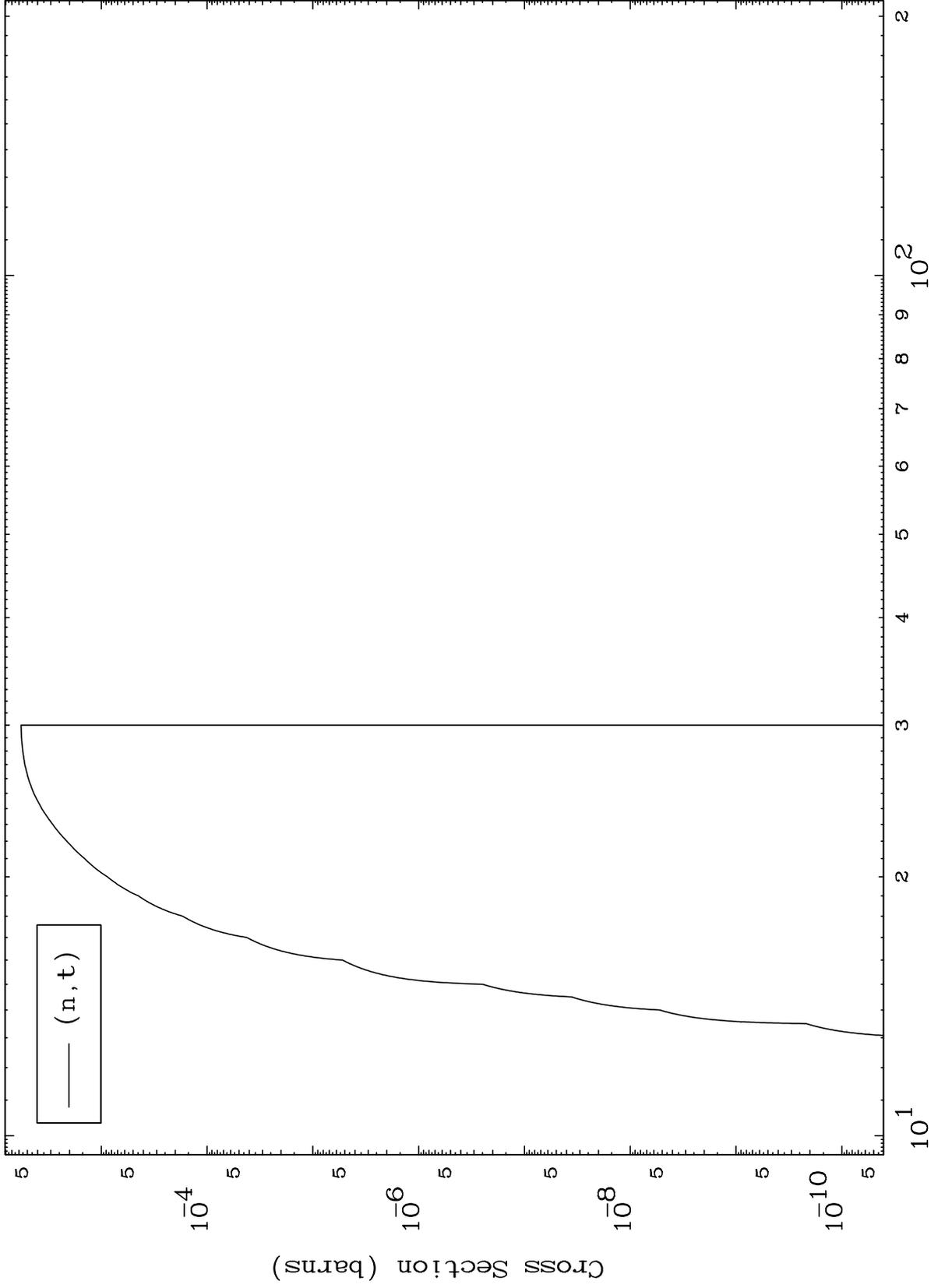
Incident Energy (MeV)

50-Sn-116

MAT 5037

(n,t) Levels  
293 Kelvin Cross Sections

50-Sn-116



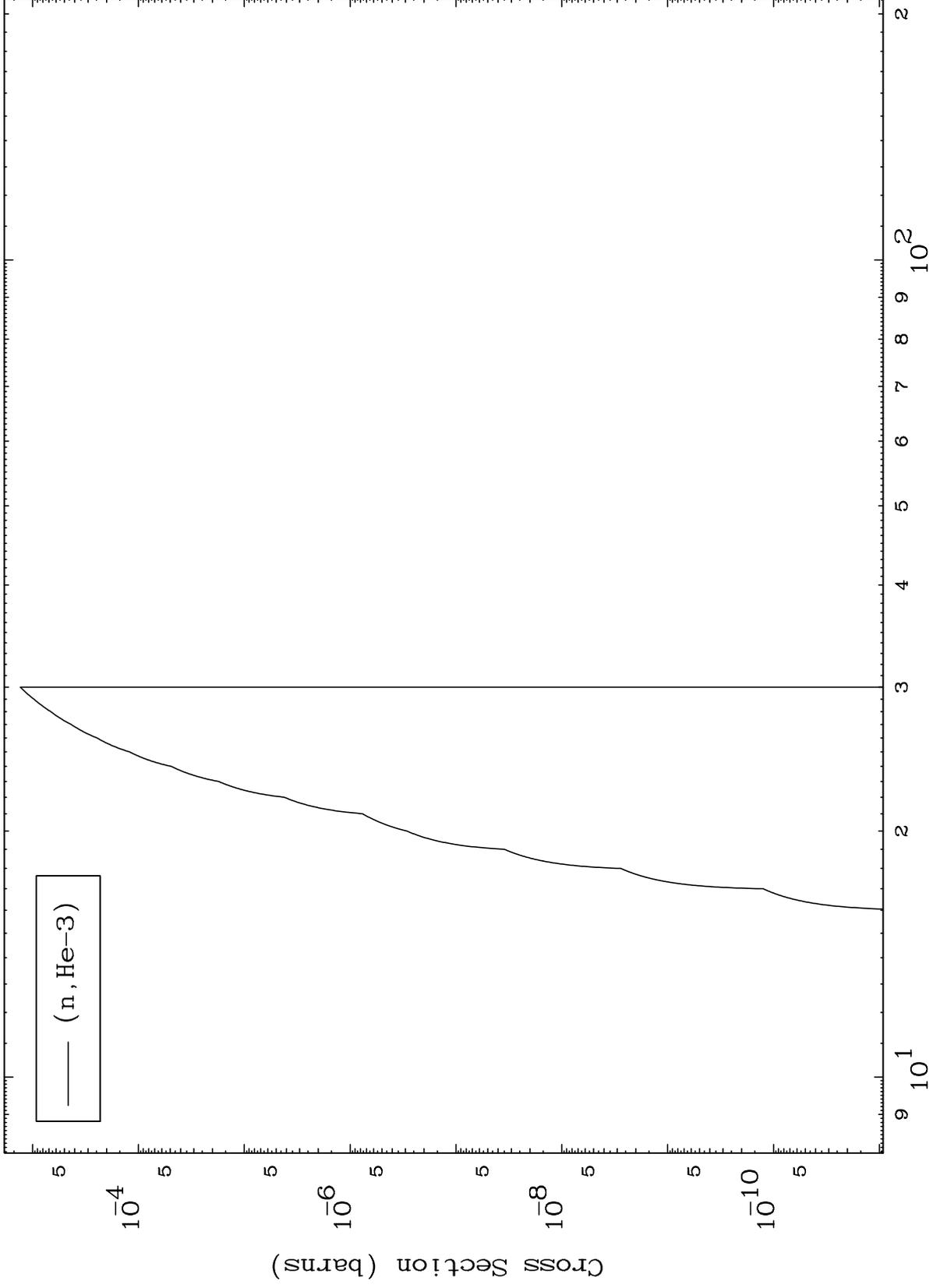
Incident Energy (MeV)

50-Sn-116

MAT 5037

(n,He3) Levels  
293 Kelvin Cross Sections

50-Sn-116



13

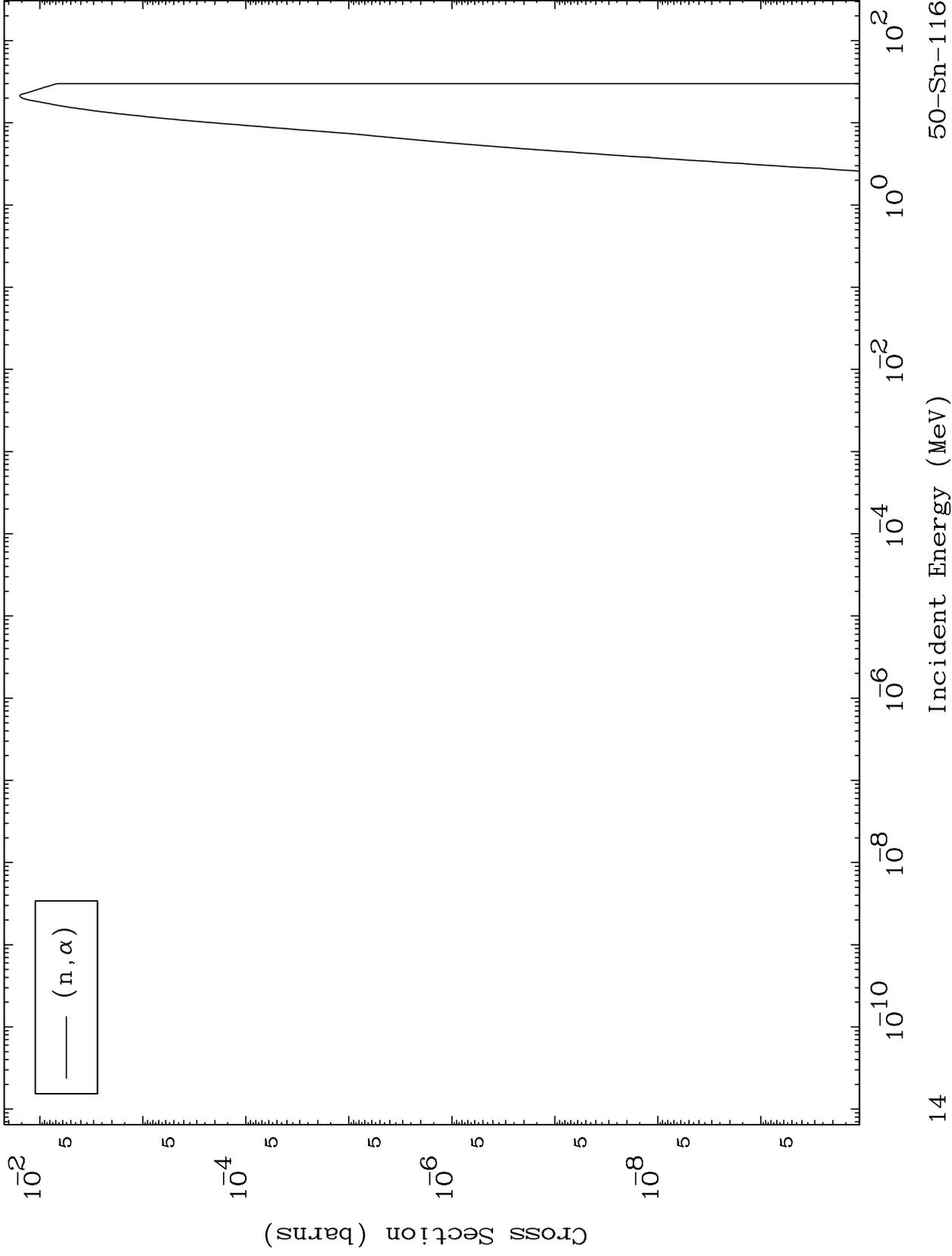
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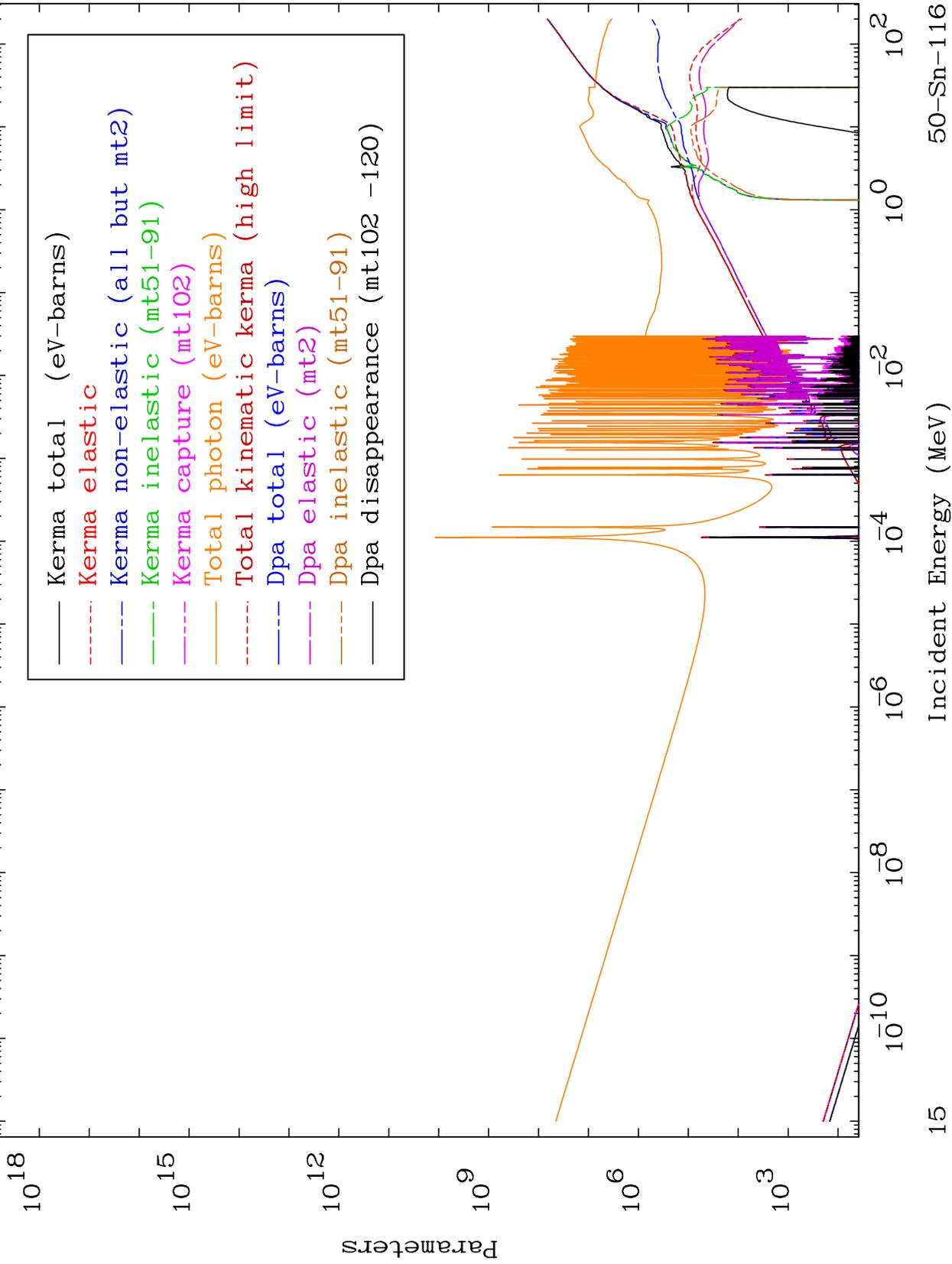
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MAT 5037

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

50-Sn-116

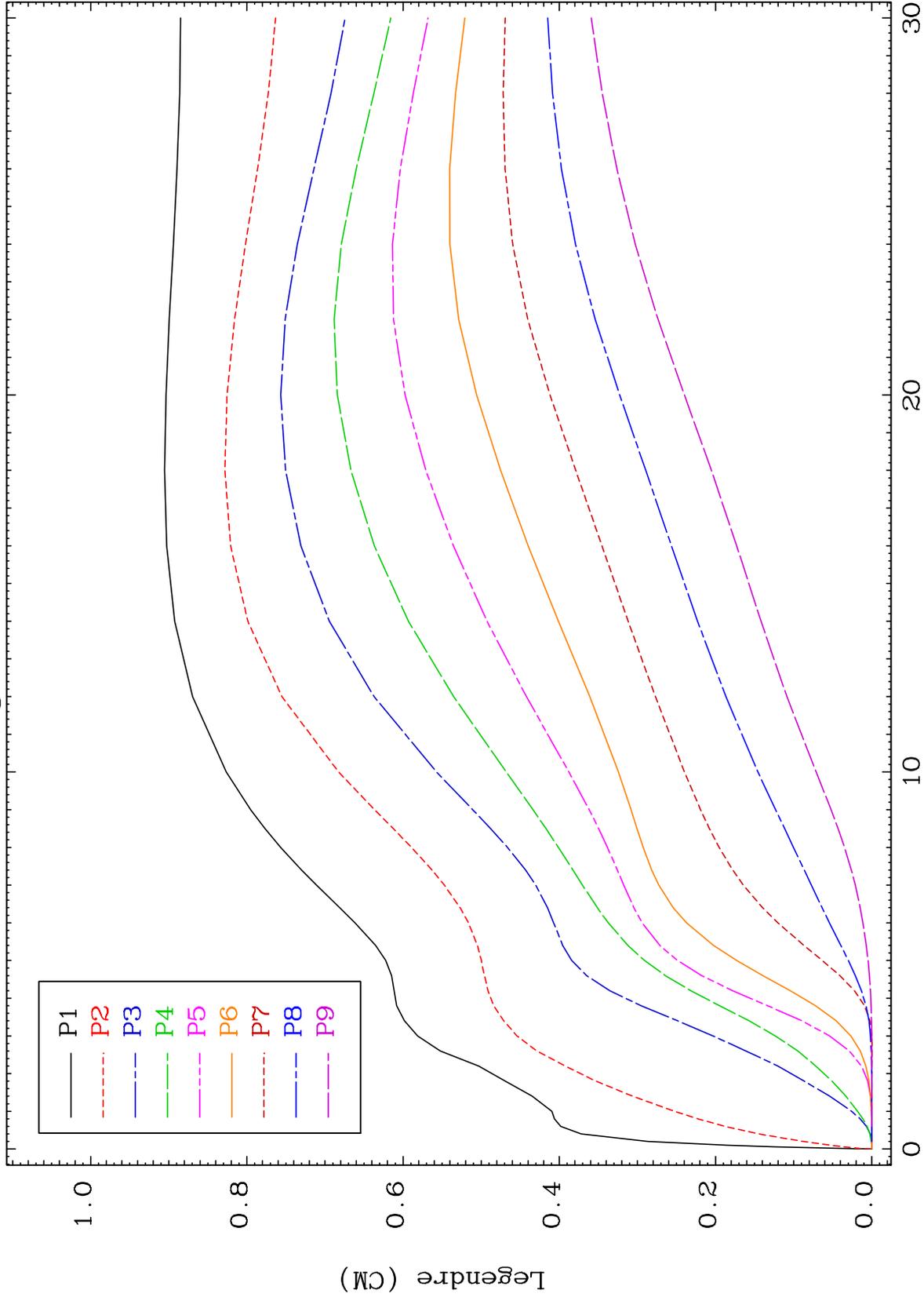




MAT 5037

Elastic Legendre Coefficients

50-Sn-116



16

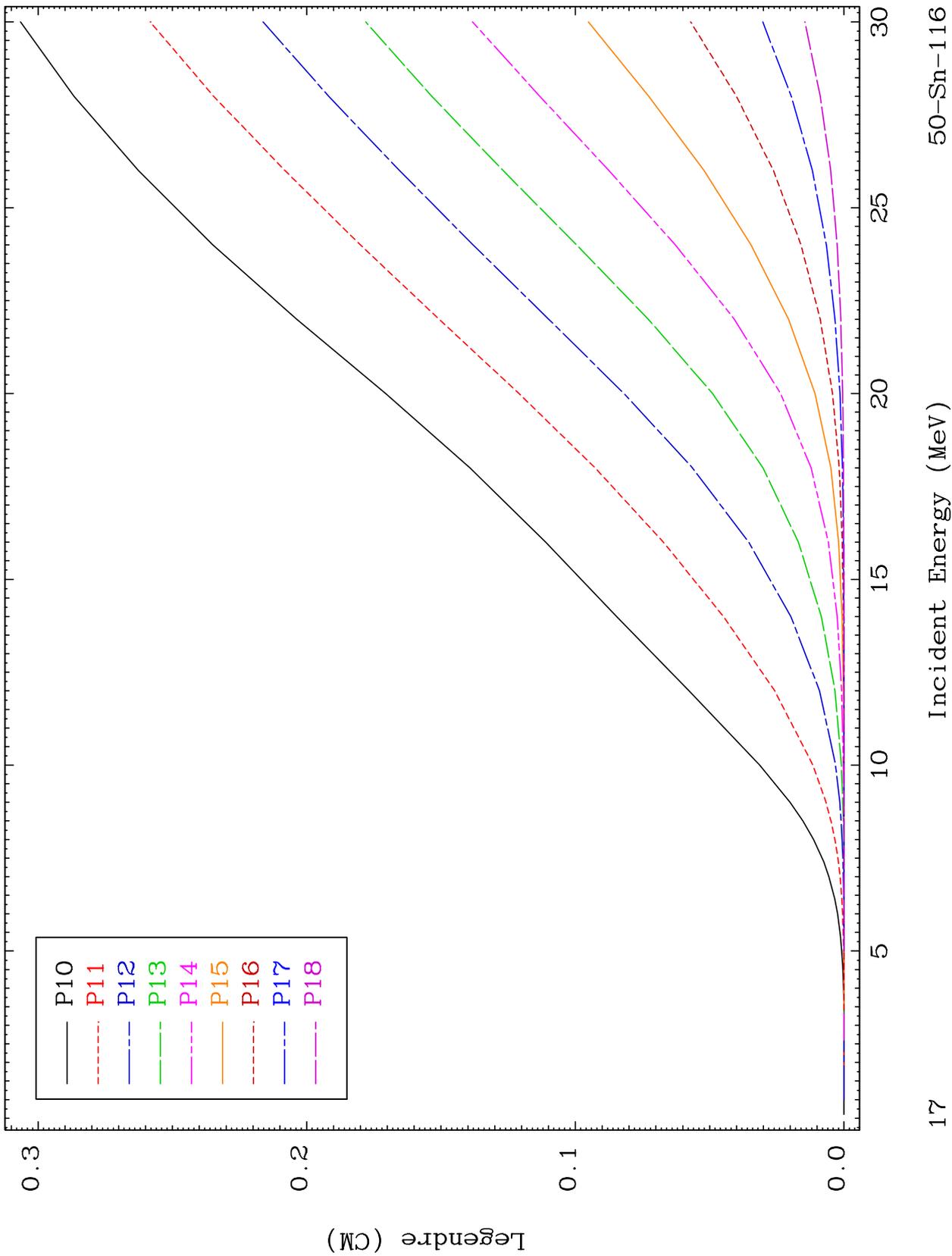
Incident Energy (MeV)

50-Sn-116

MAT 5037

Elastic Legendre Coefficients

50-Sn-116

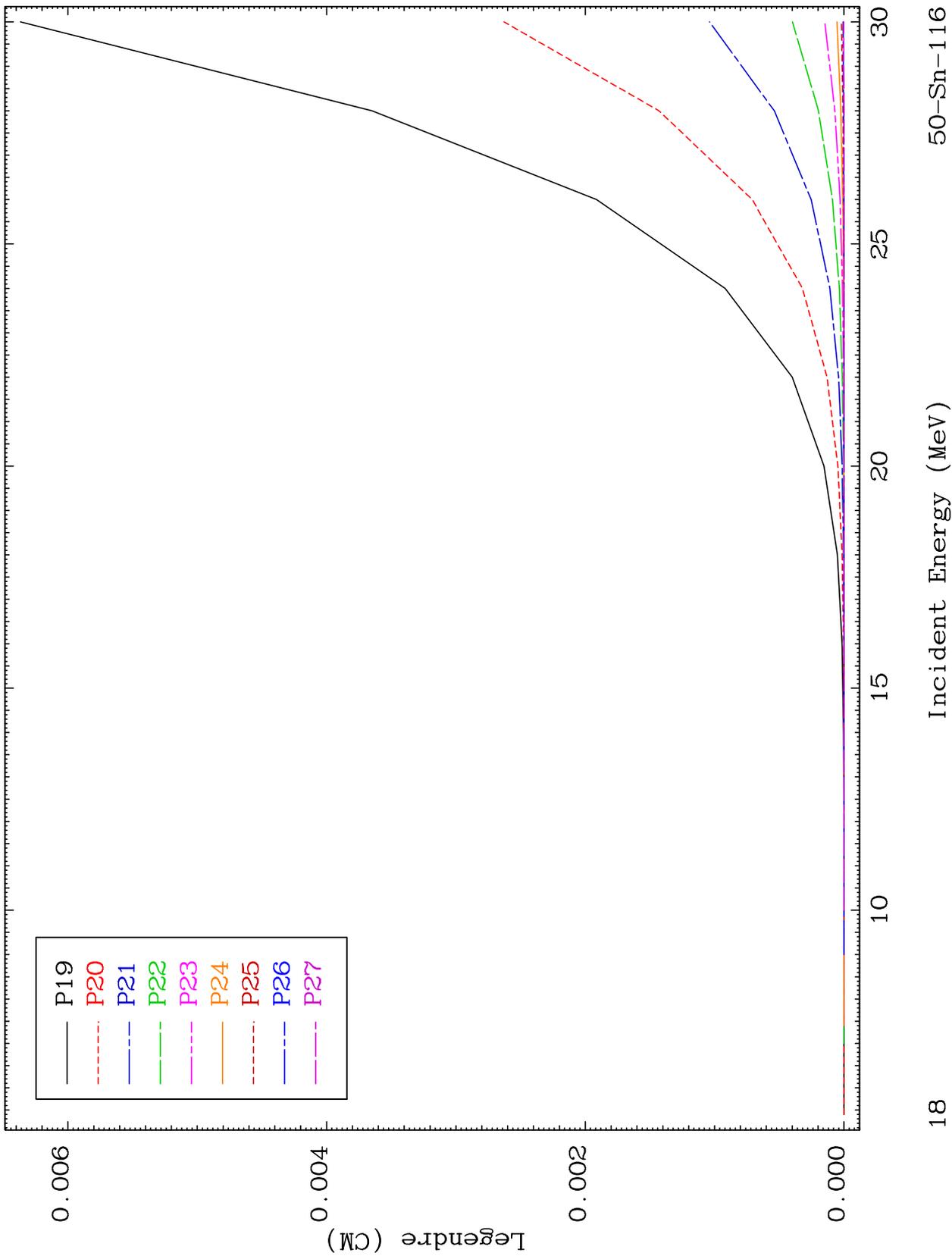


17

MAT 5037

Elastic Legendre Coefficients

50-Sn-116



18

50-Sn-116

Incident Energy (MeV)

10

15

20

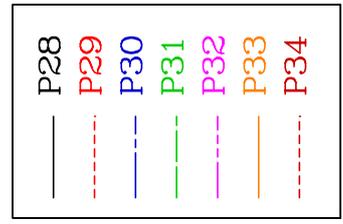
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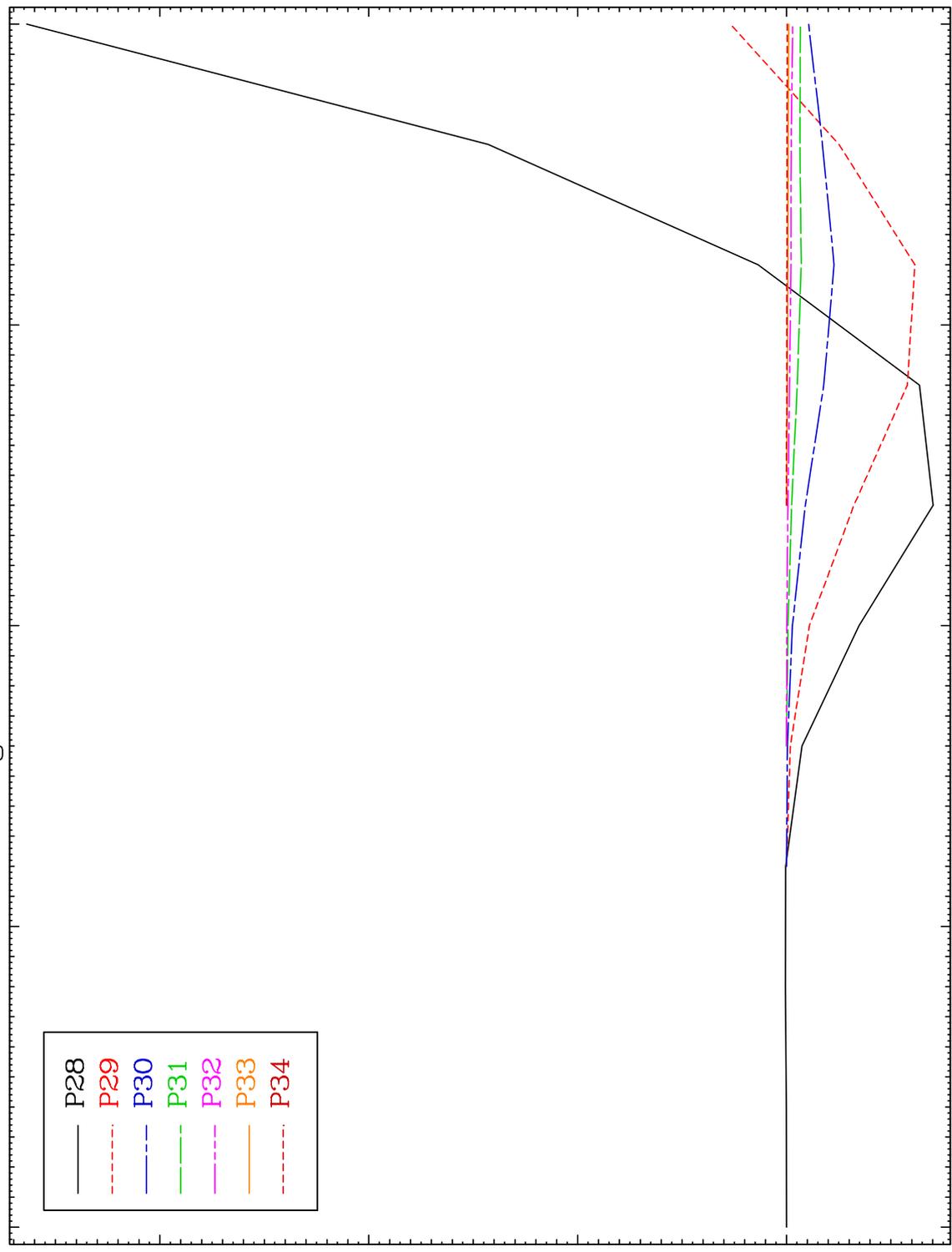
Elastic  
Legendre Coefficients

50-Sn-116



$\times 10^{-7}$

Legendre (CM)



10

15

20

25

30

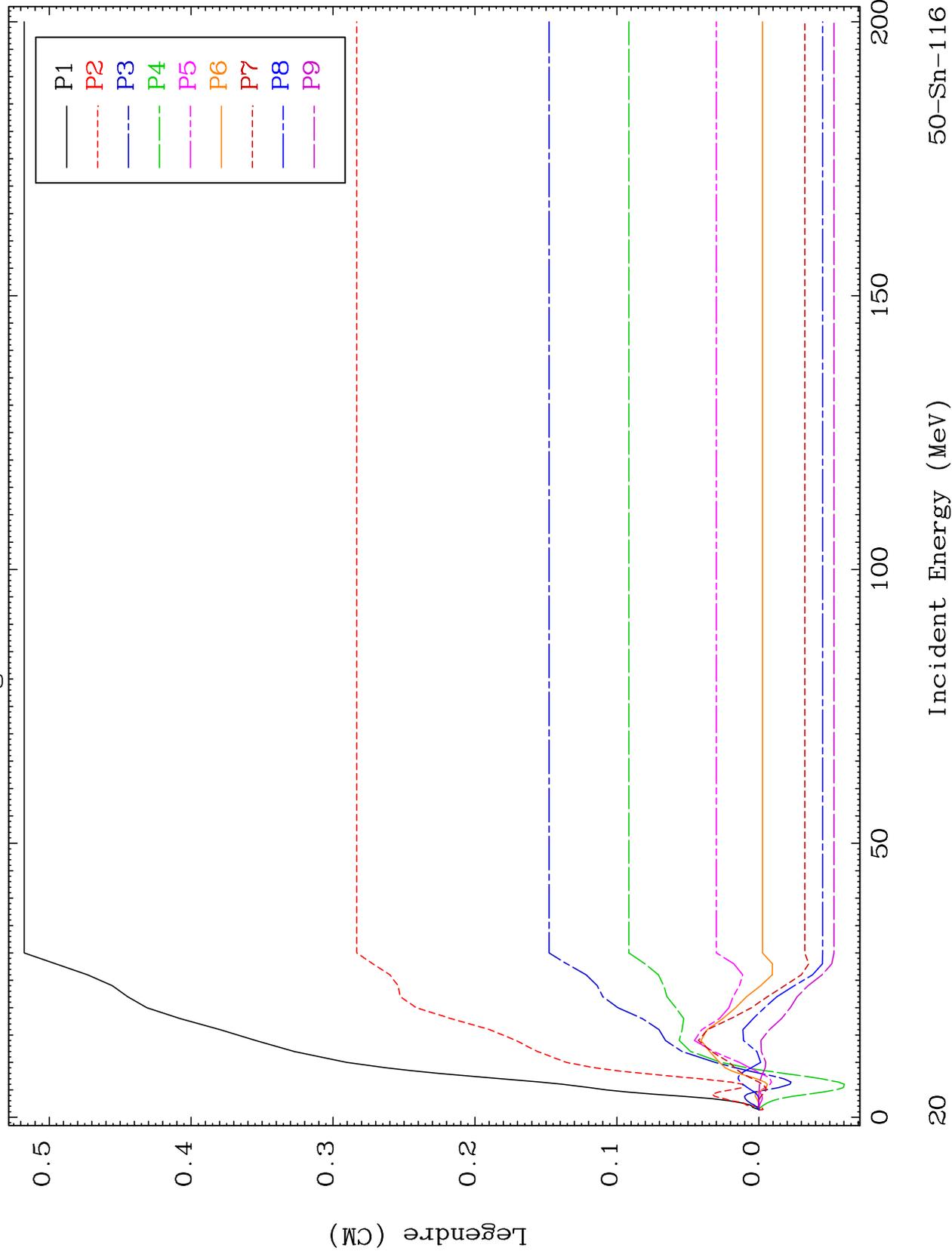
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



50-Sn-116

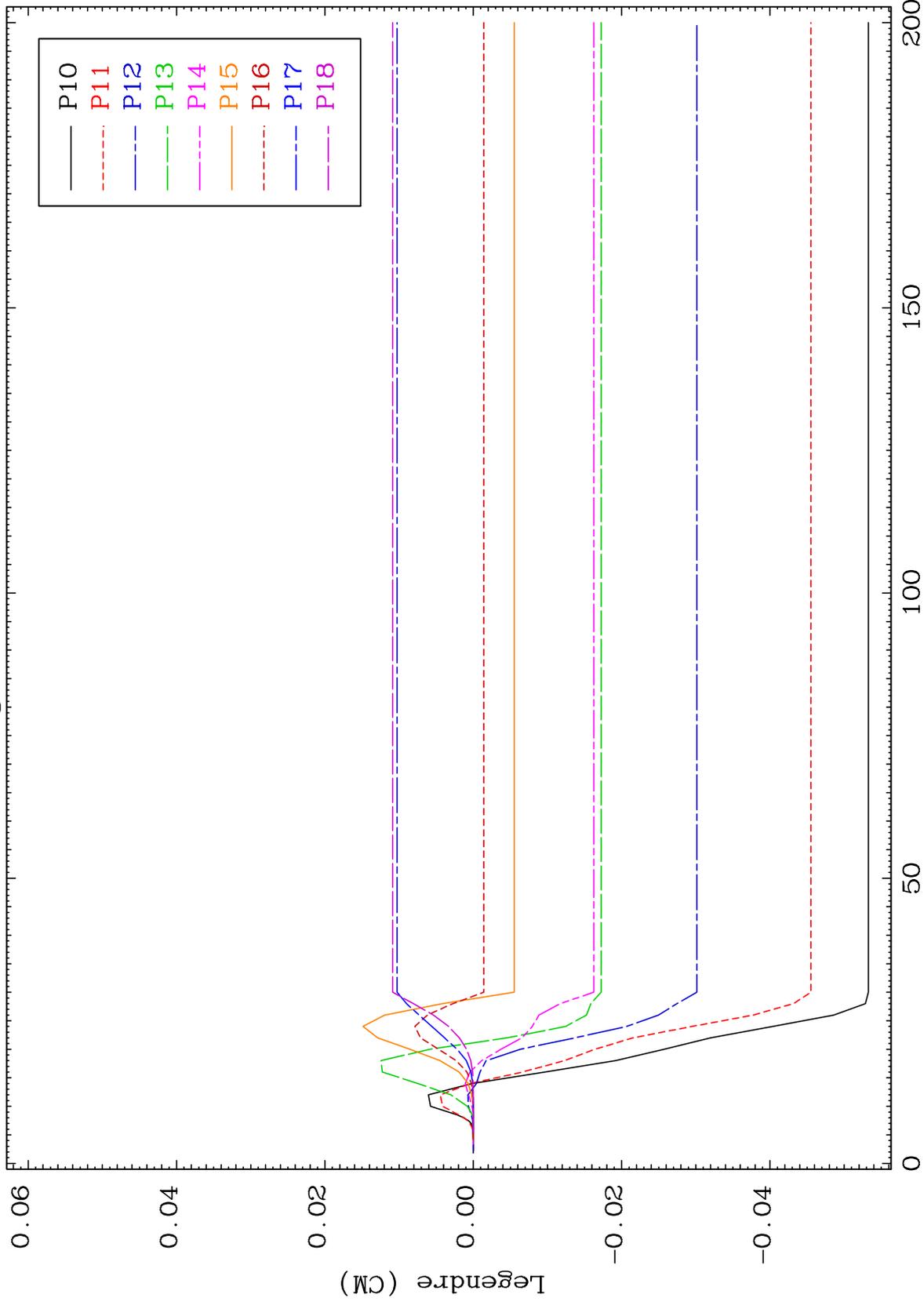
Incident Energy (MeV)

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MAT 5037

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

50-Sn-116



21

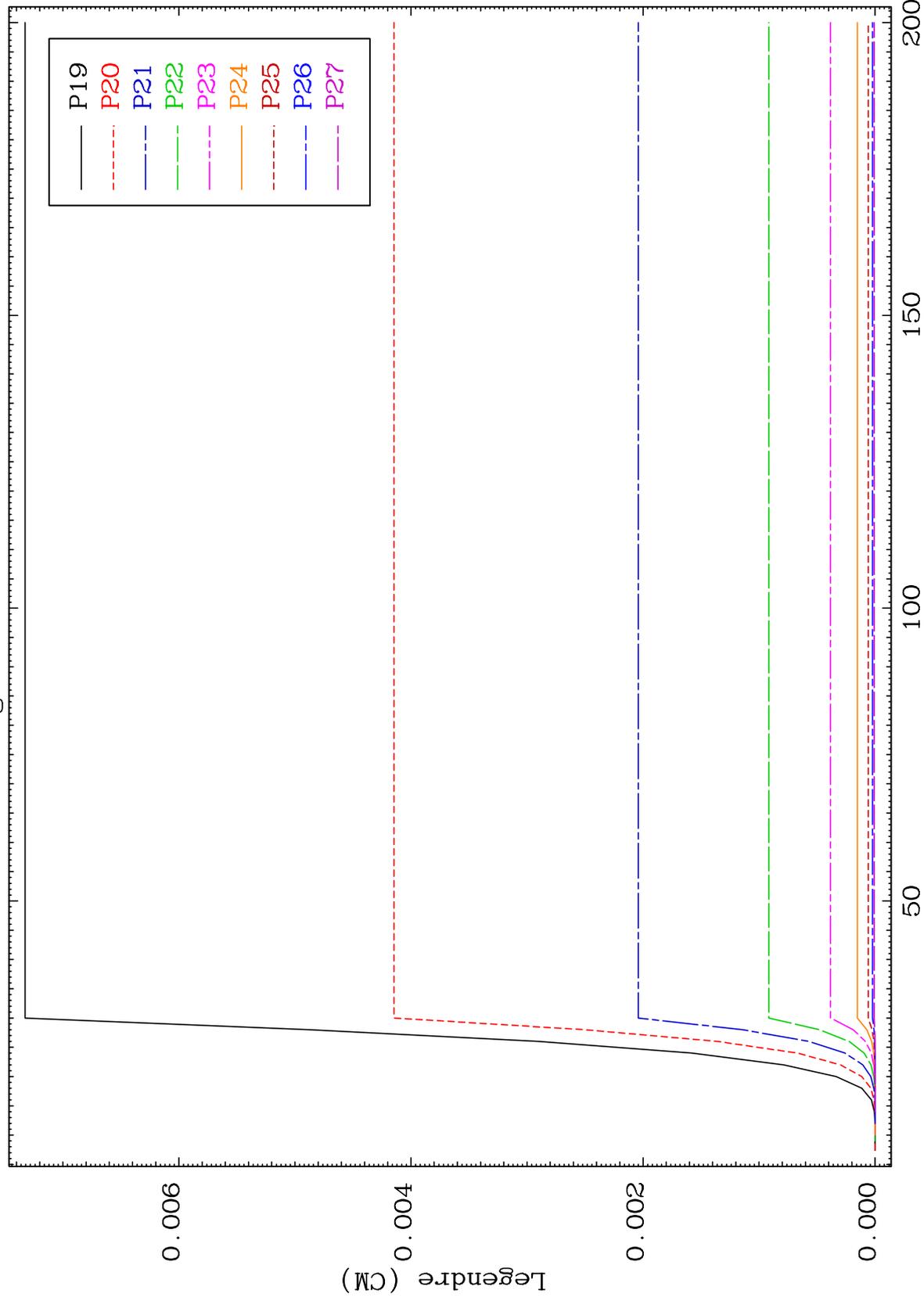
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



22

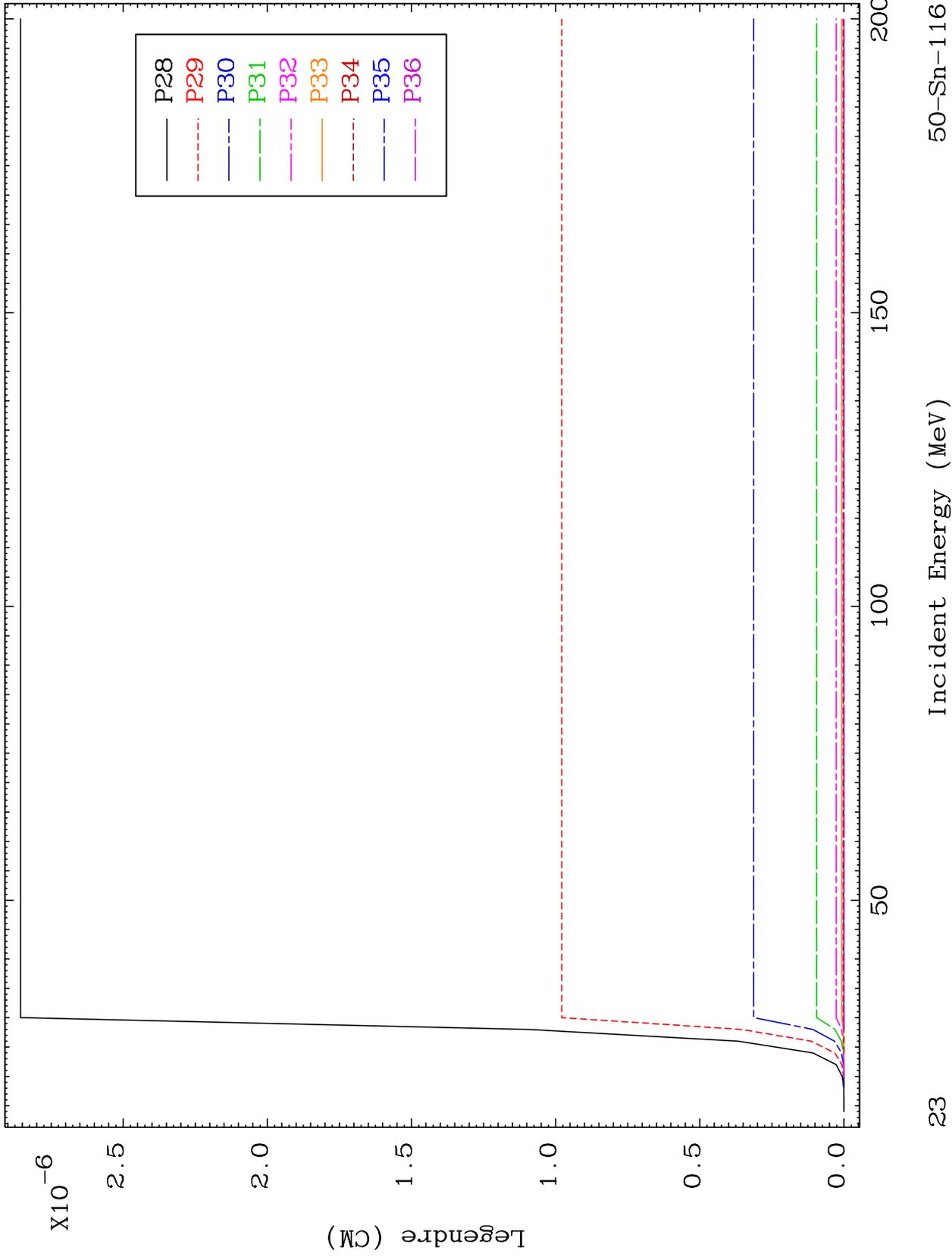
Incident Energy (MeV)

50-Sn-116

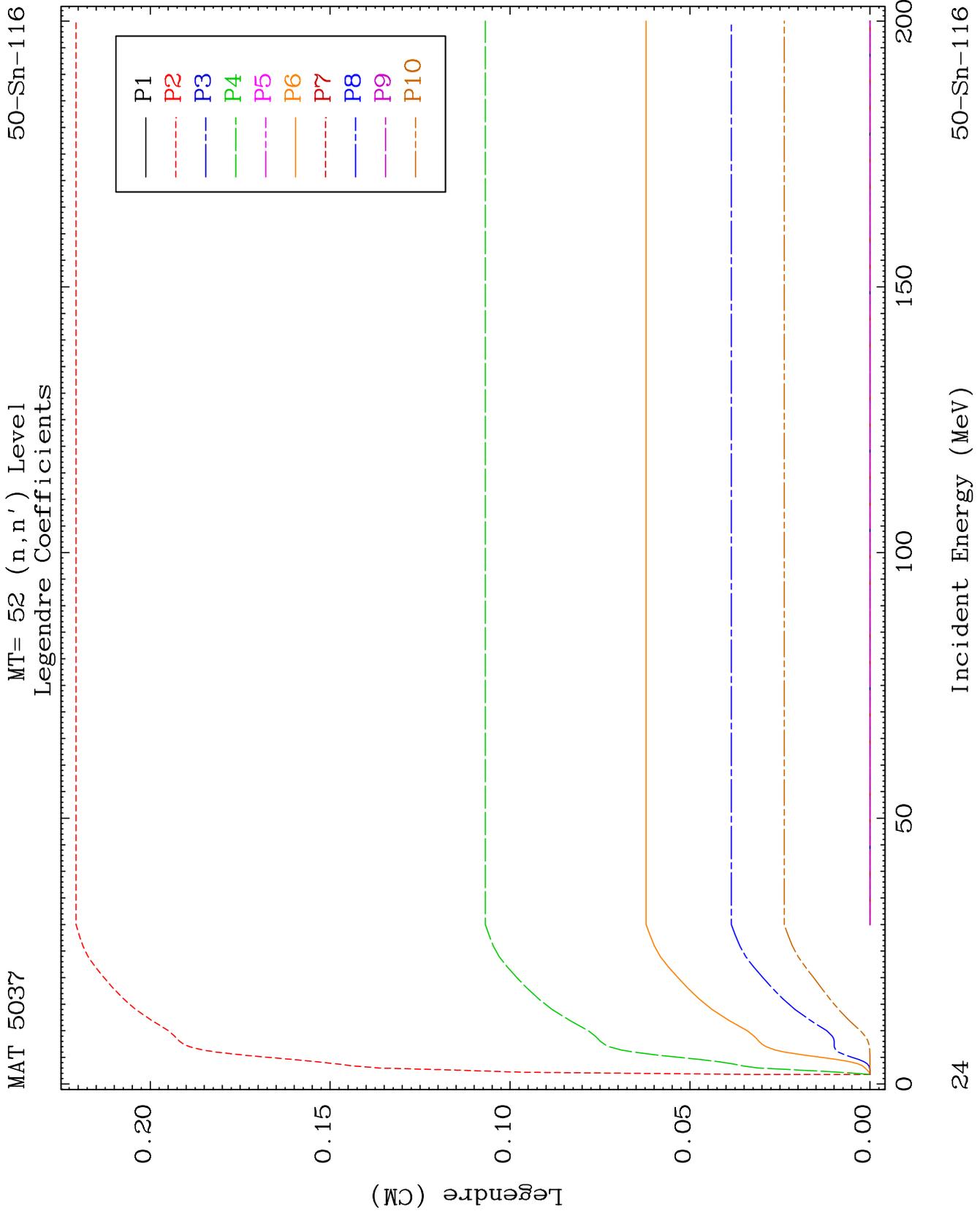
MAT 5037

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

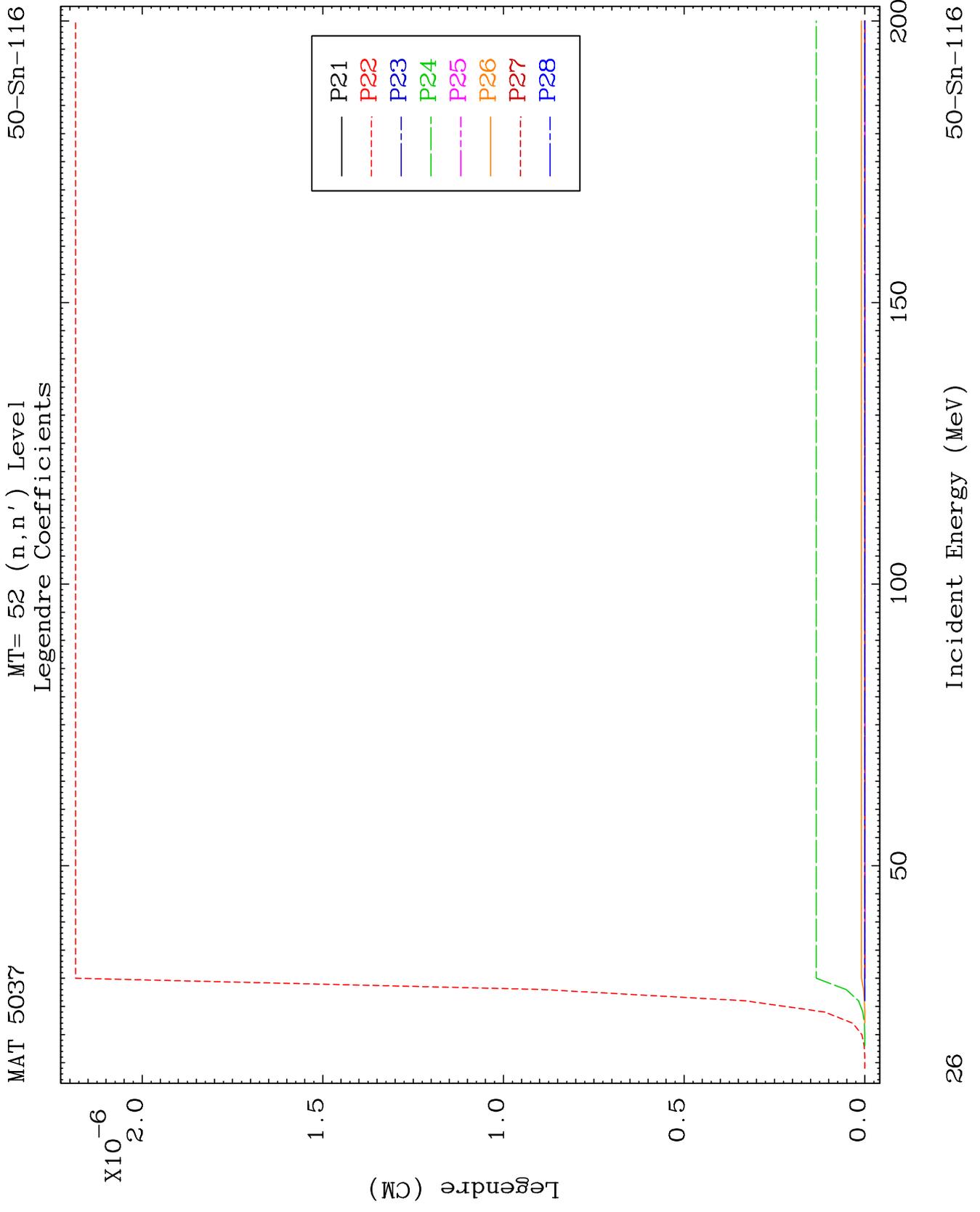
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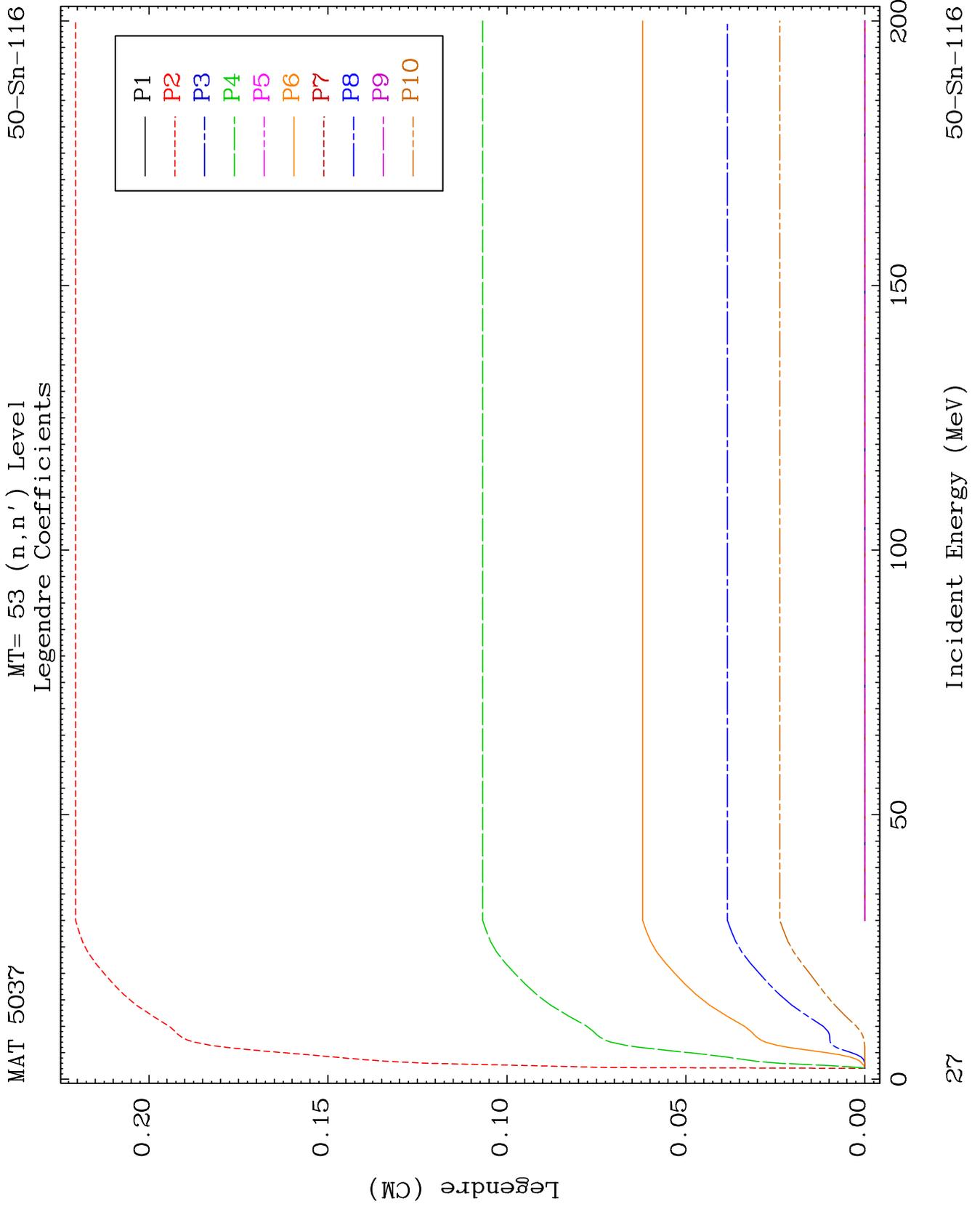


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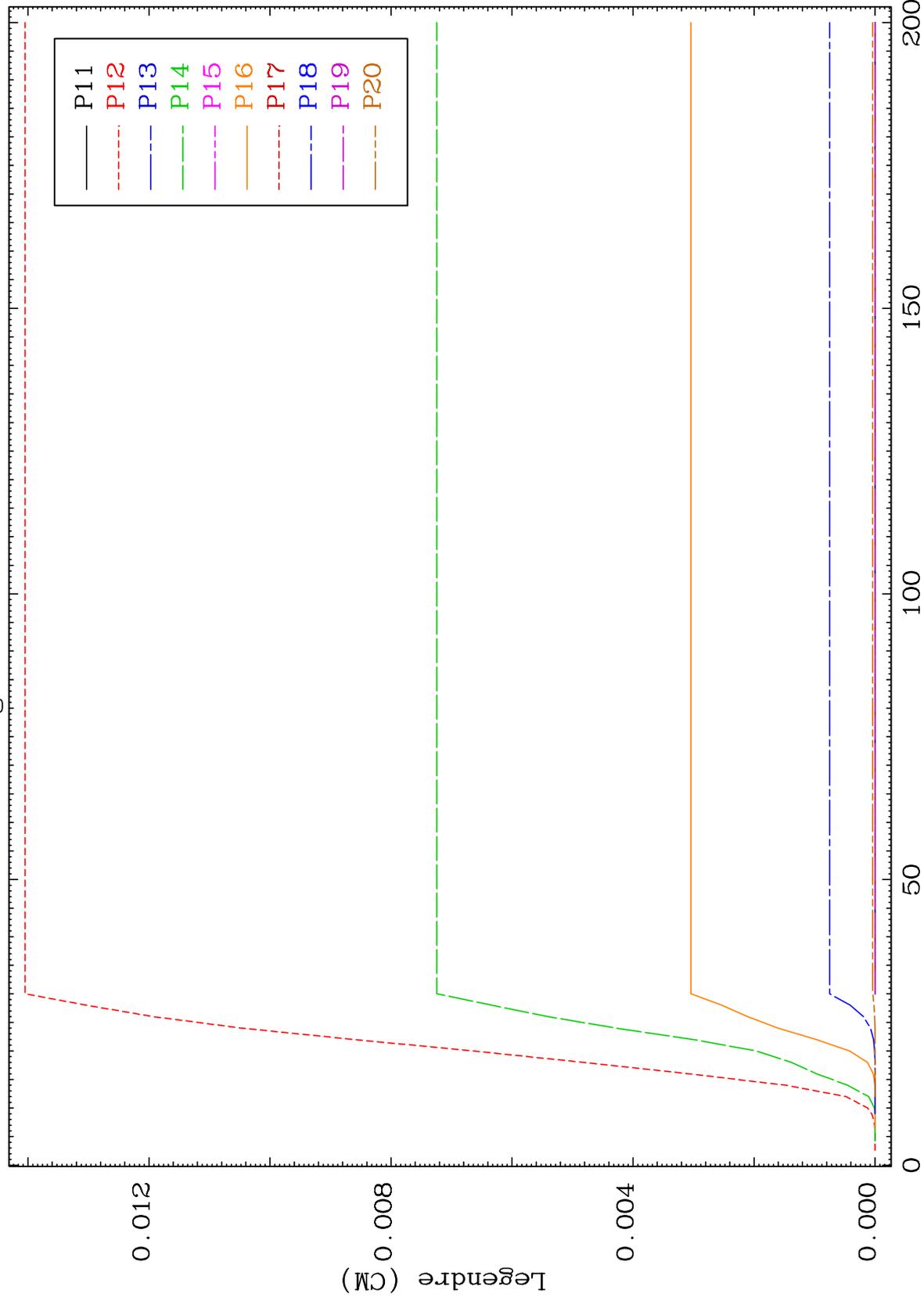




MAT 5037

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

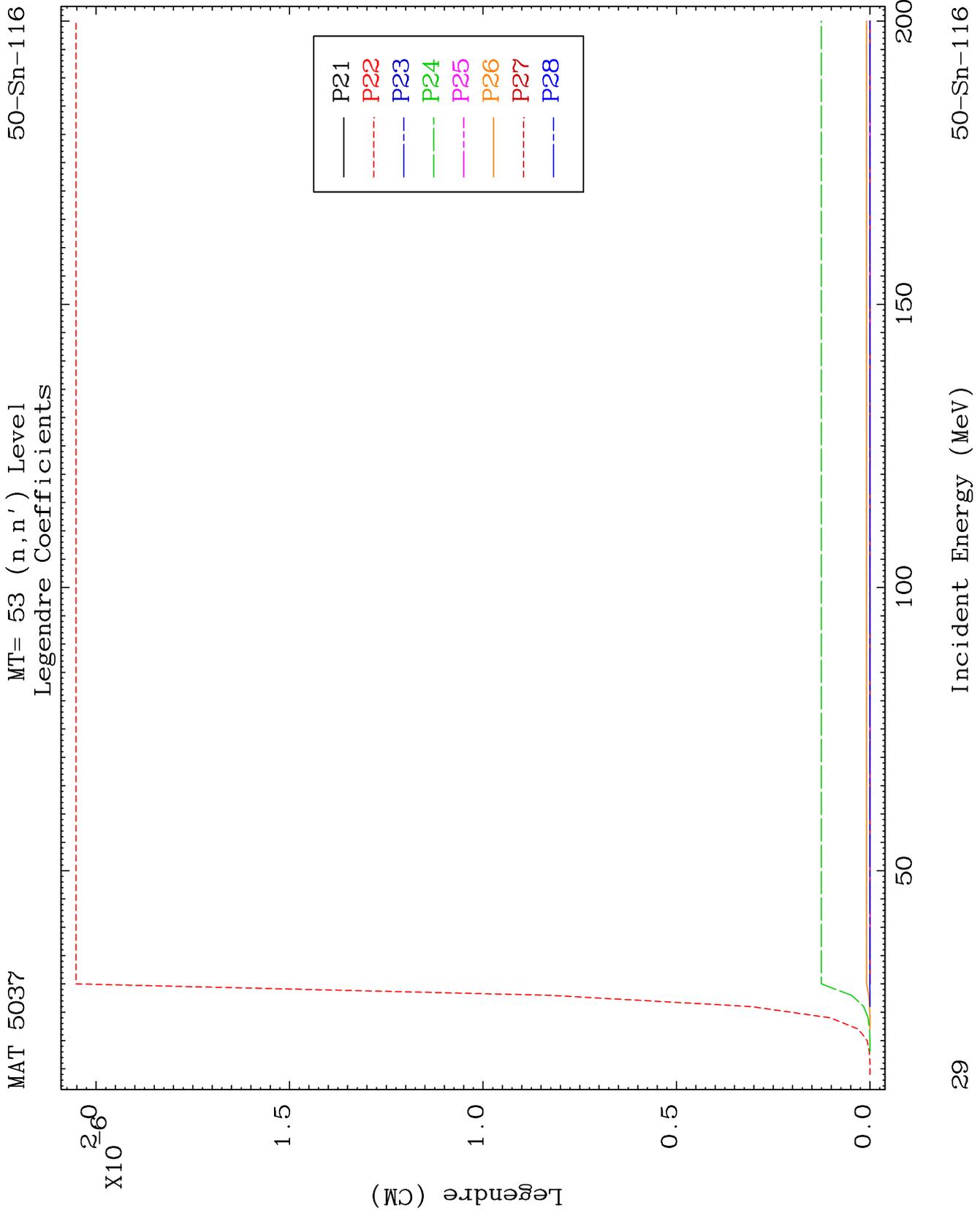
50-Sn-116



28

Incident Energy (MeV)

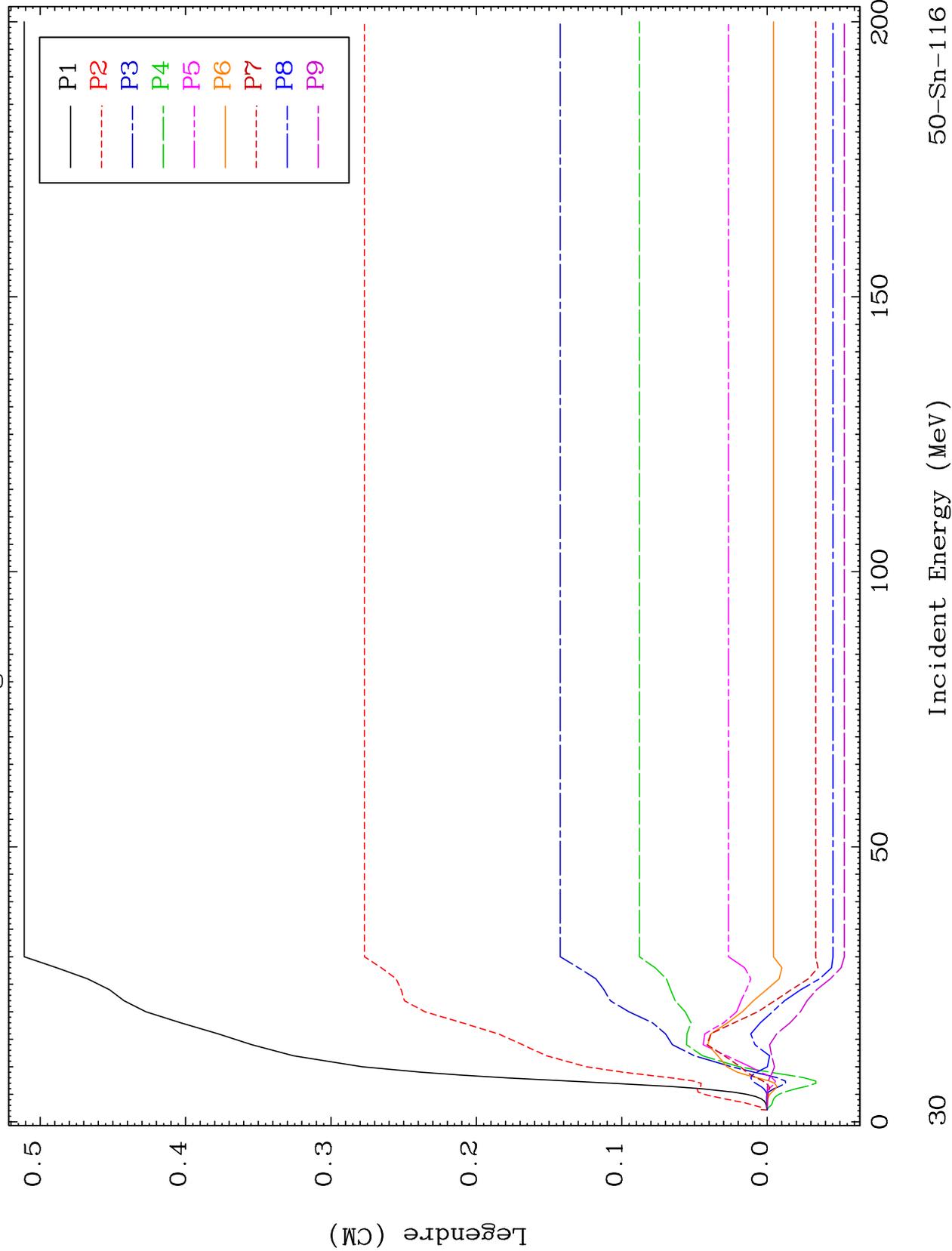
50-Sn-116



MAT 5037

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

50-Sn-116



50-Sn-116

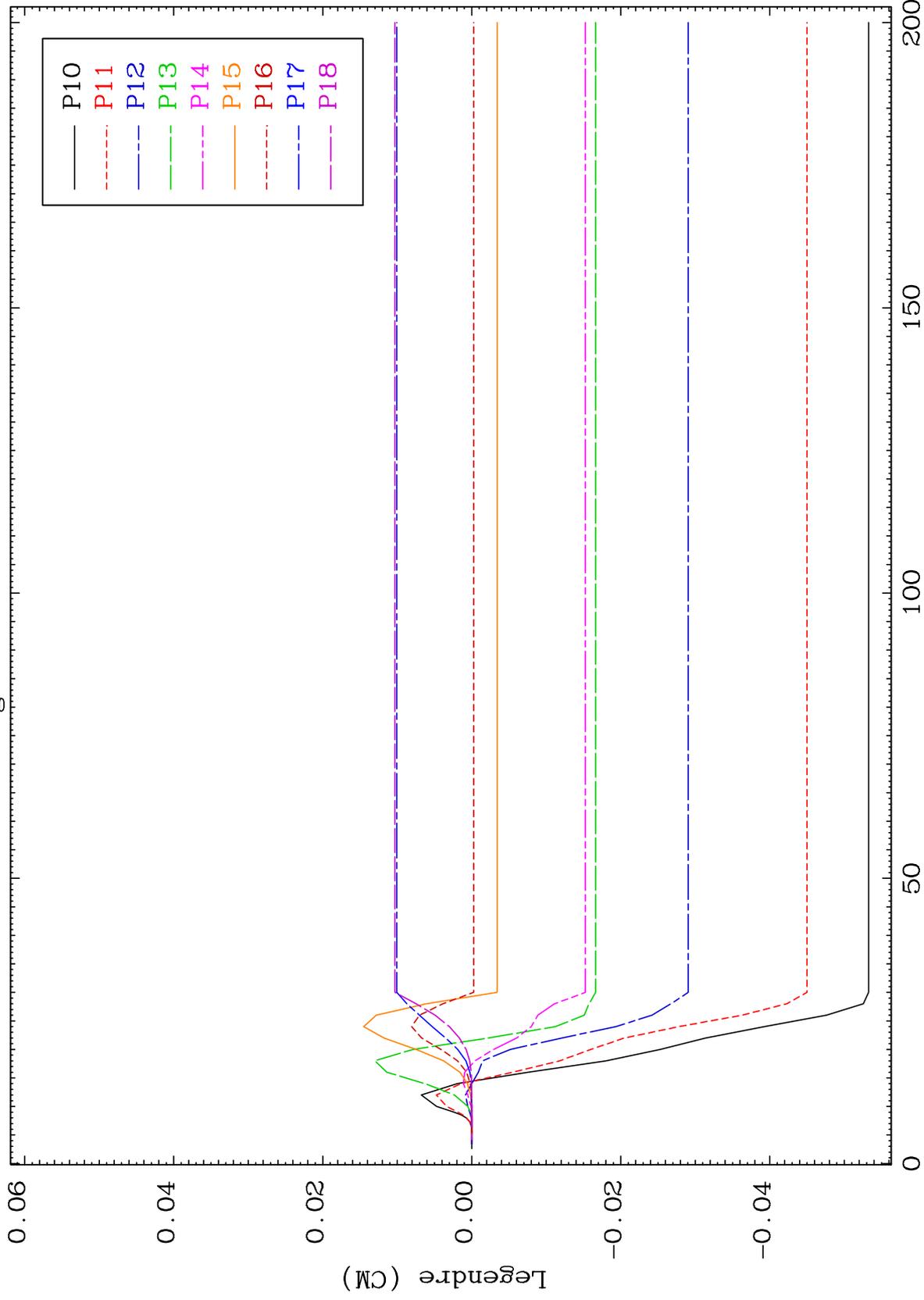
Incident Energy (MeV)

30

MAT 5037

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

50-Sn-116



31

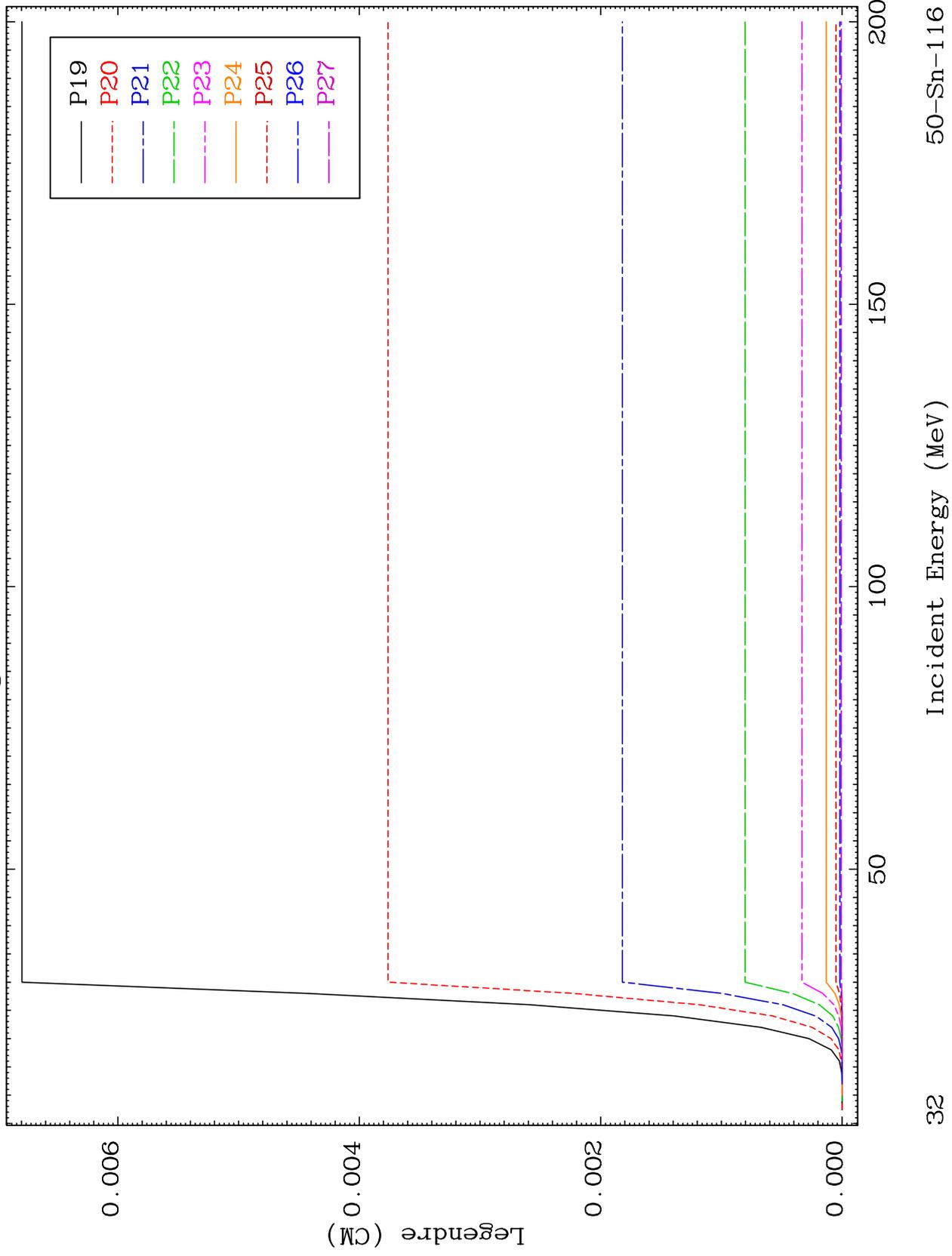
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



32

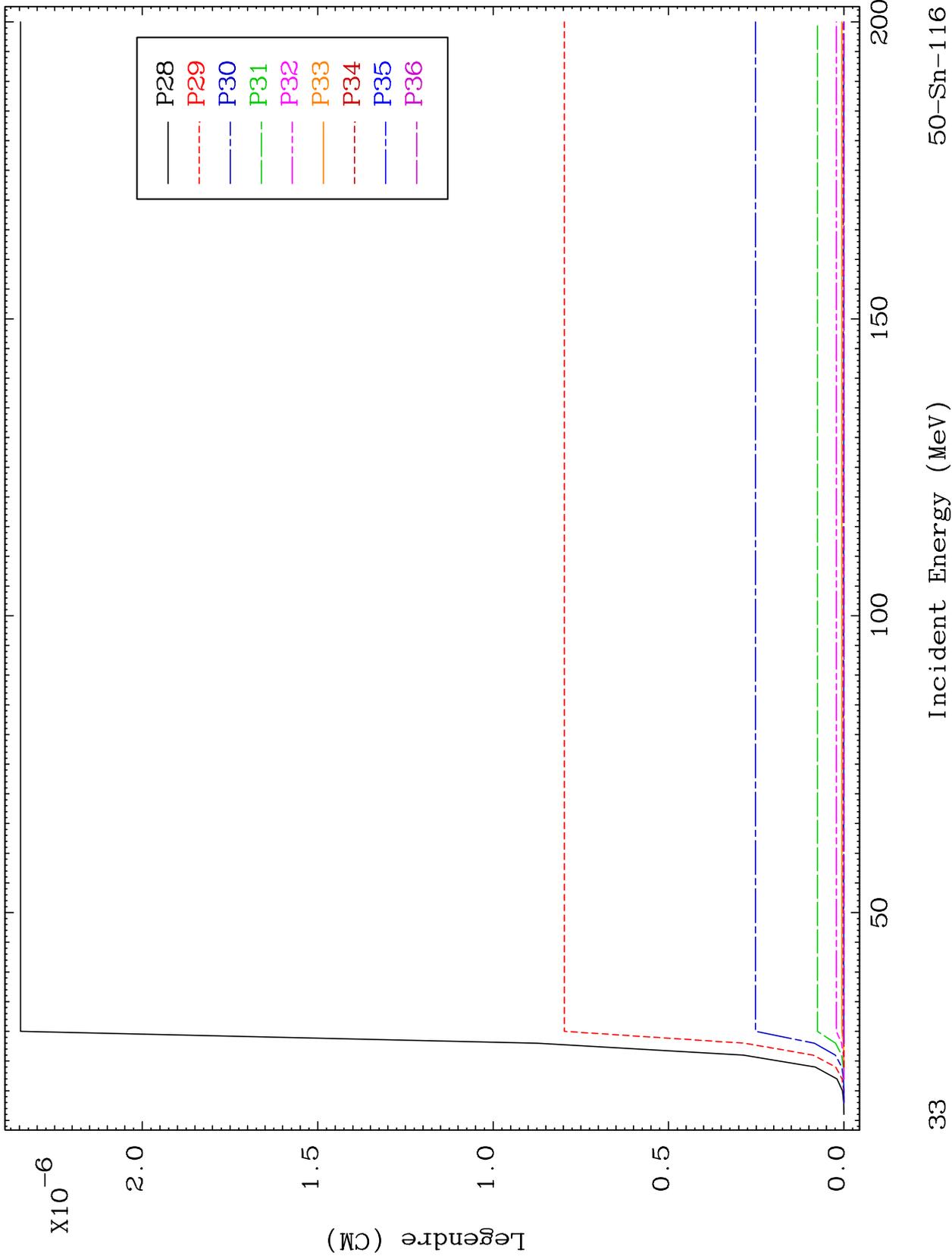
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

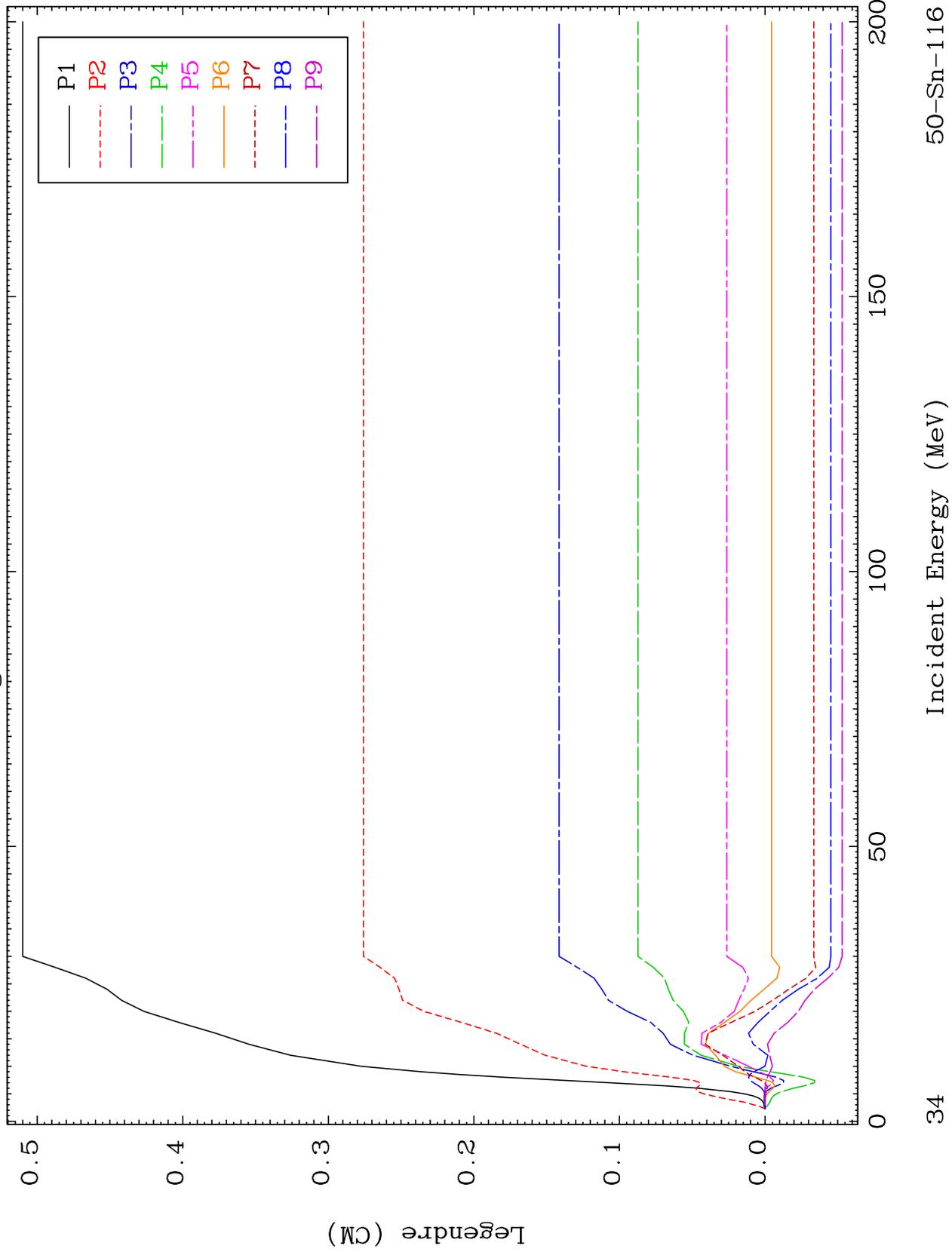
50-Sn-116



MAT 5037

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

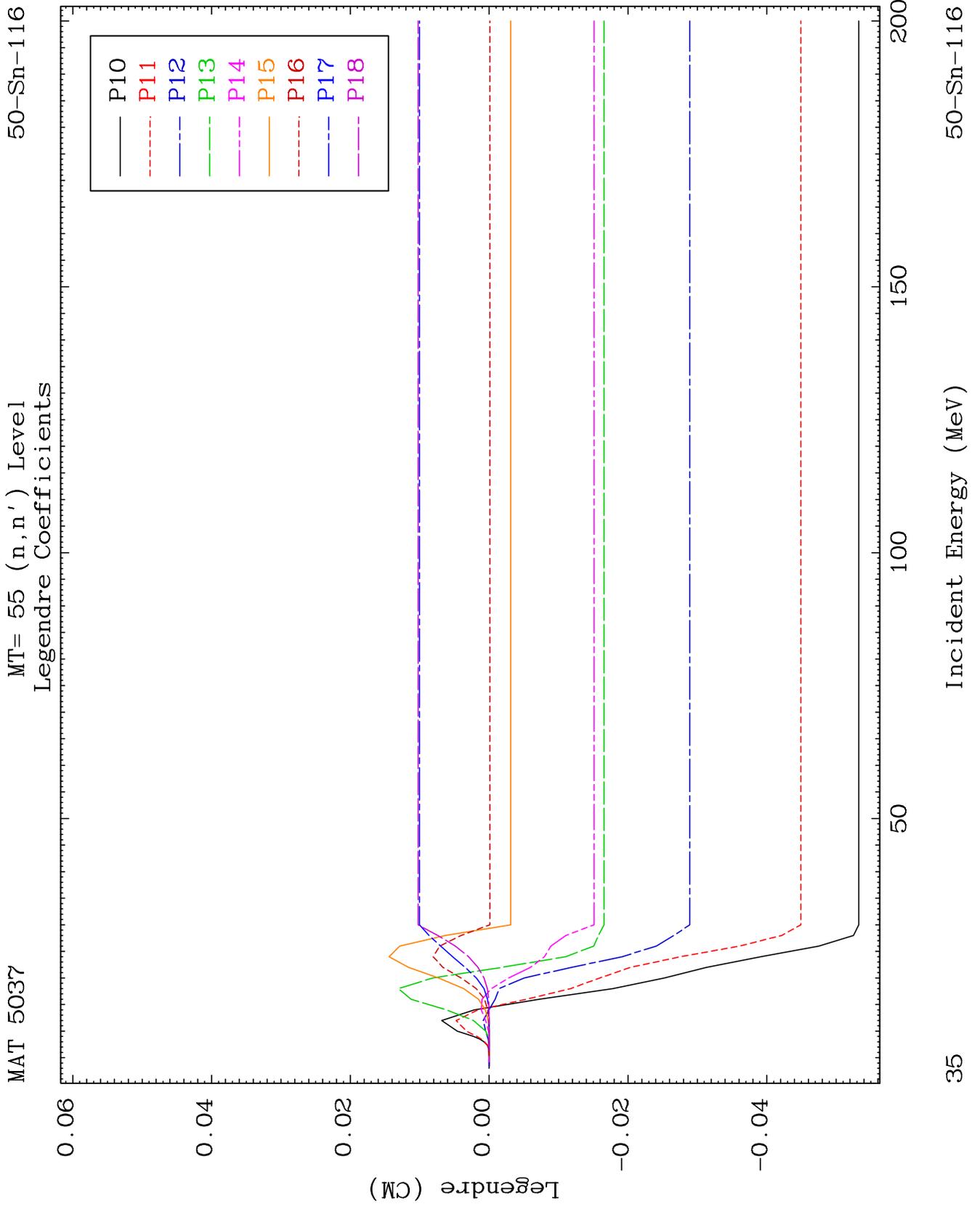
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34

Incident Energy (MeV)

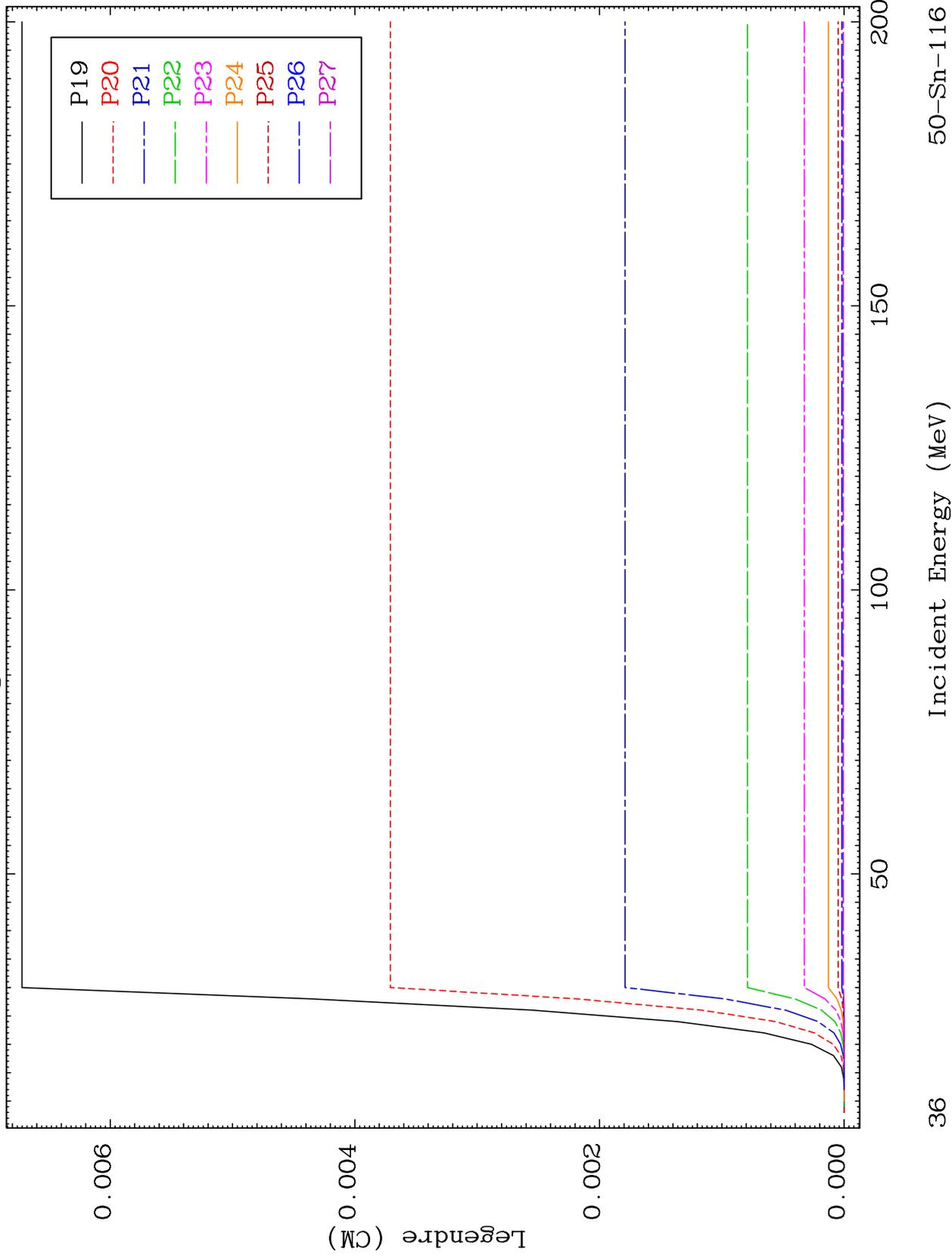
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MAT 5037

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

50-Sn-116



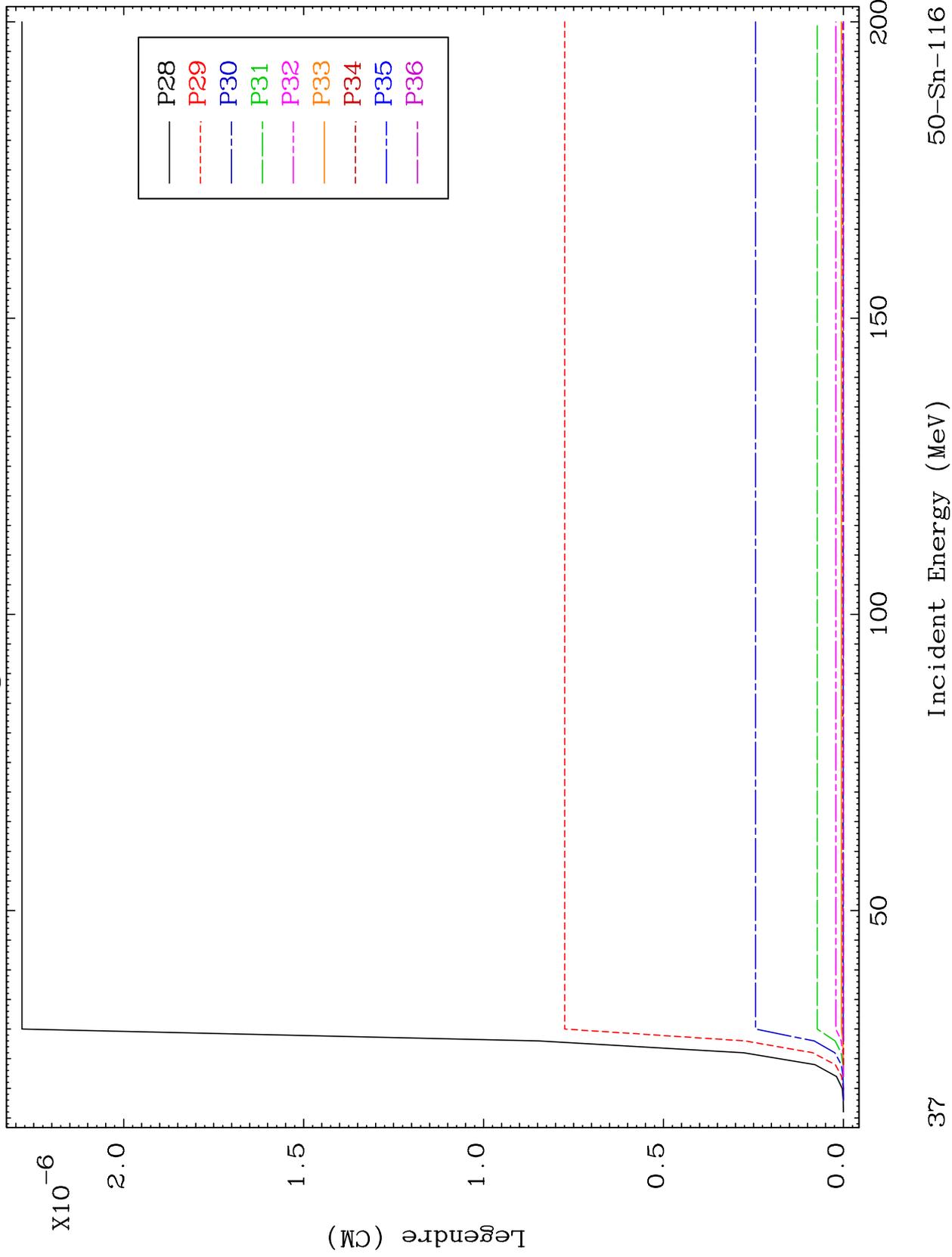
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50-Sn-116

MAT 5037

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

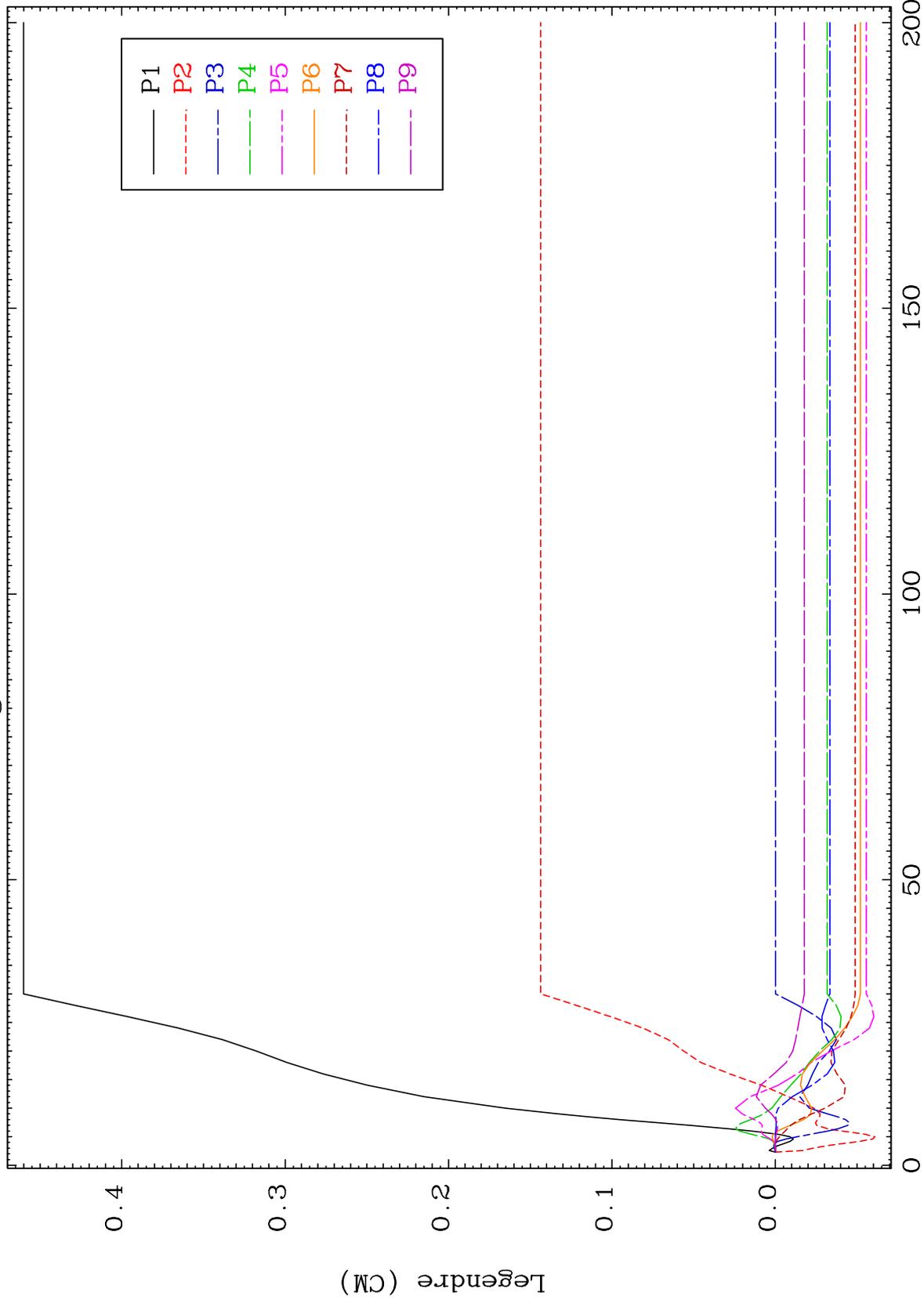
50-Sn-116



MAT 5037

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

50-Sn-116



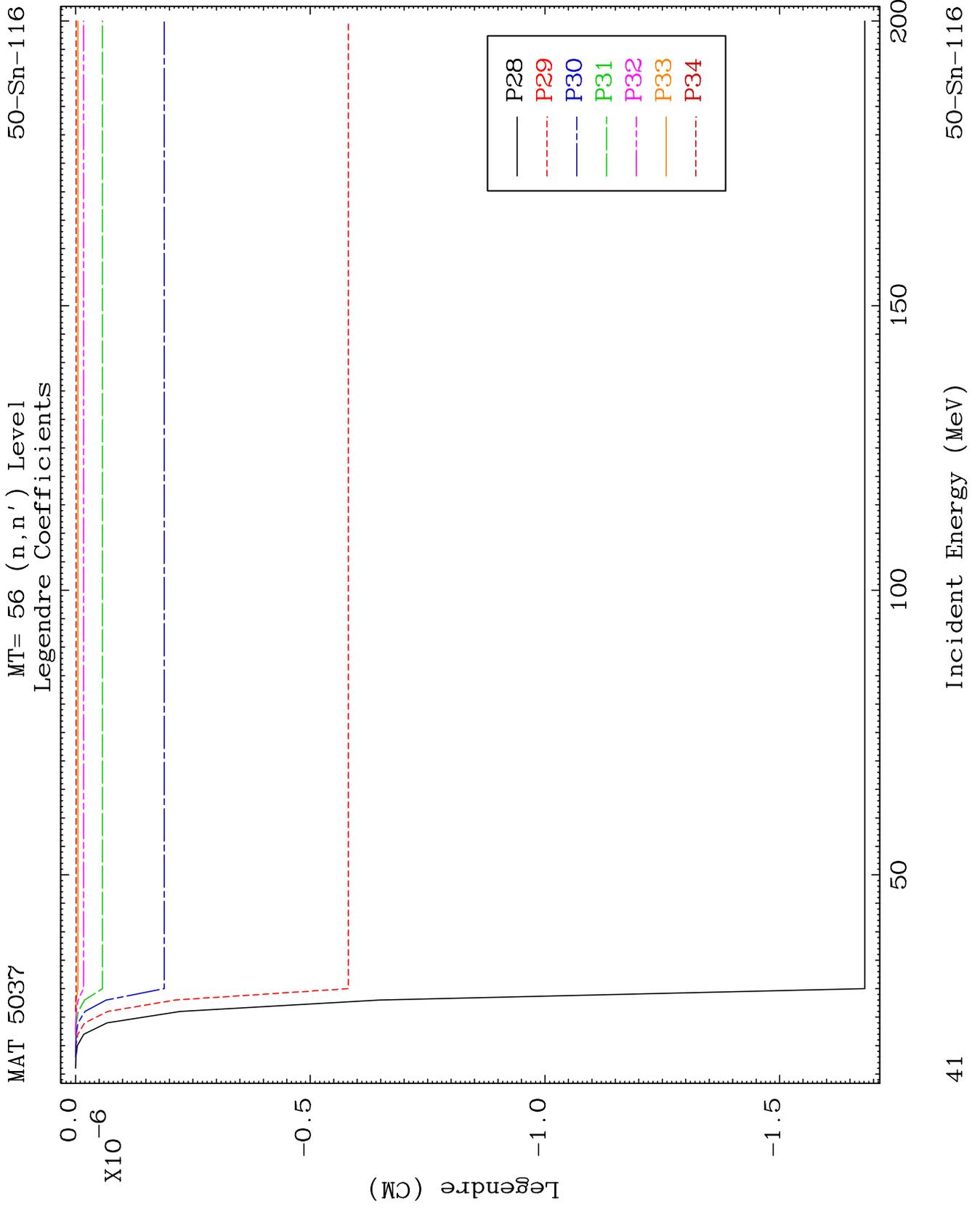
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Incident Energy (MeV)

50-Sn-116



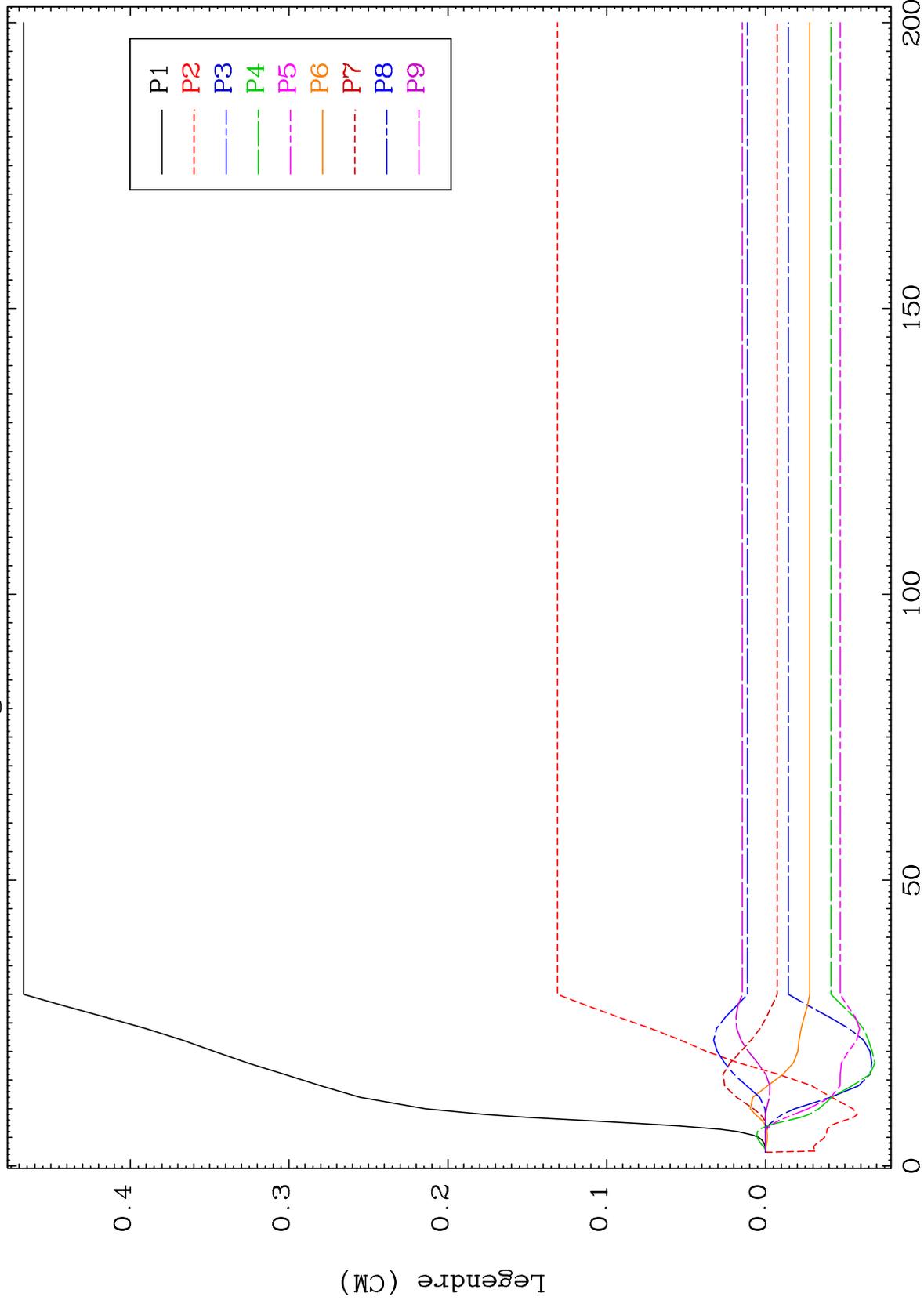




MAT 5037

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

50-Sn-116



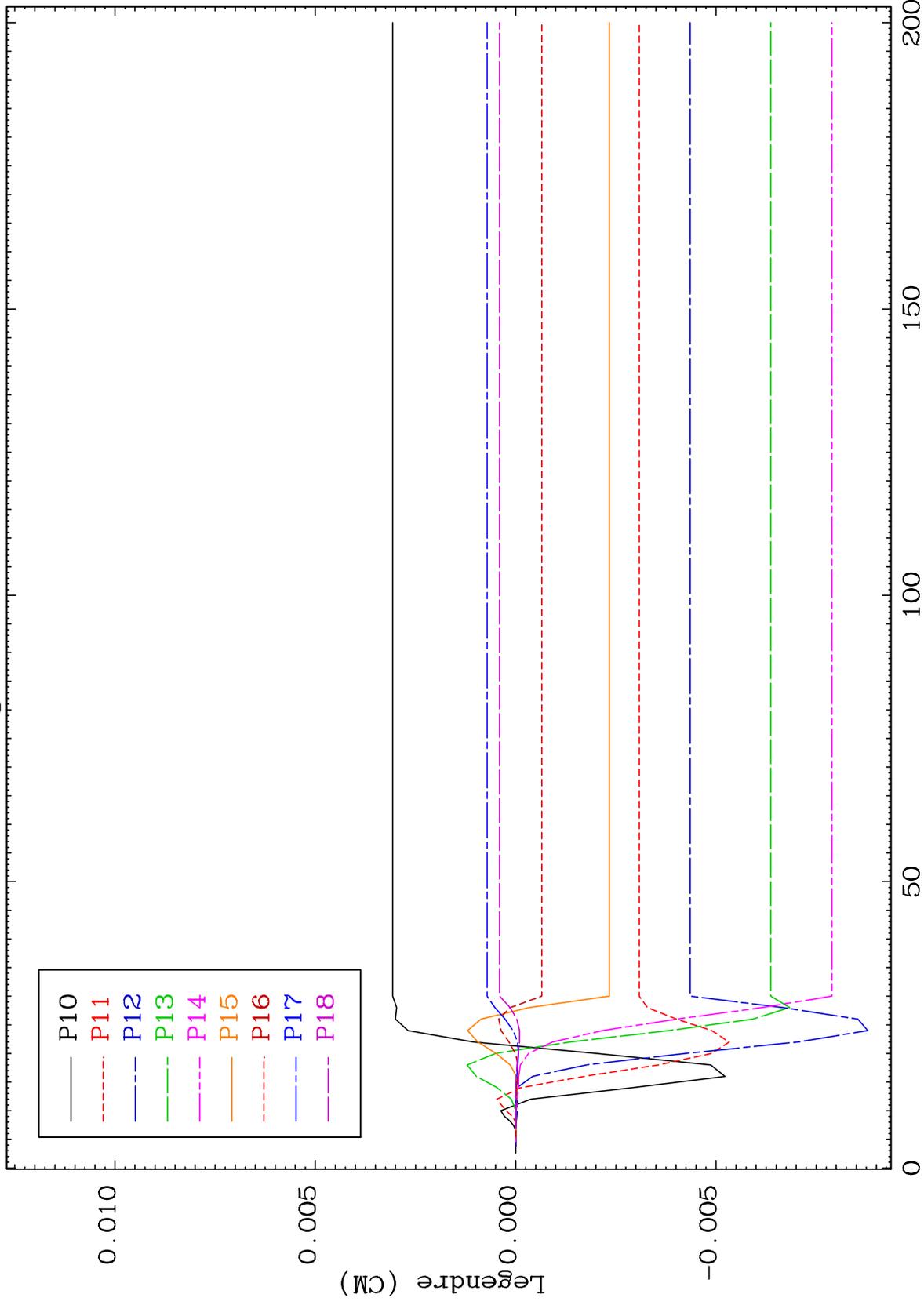
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50-Sn-116

MAT 5037

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

50-Sn-116



43

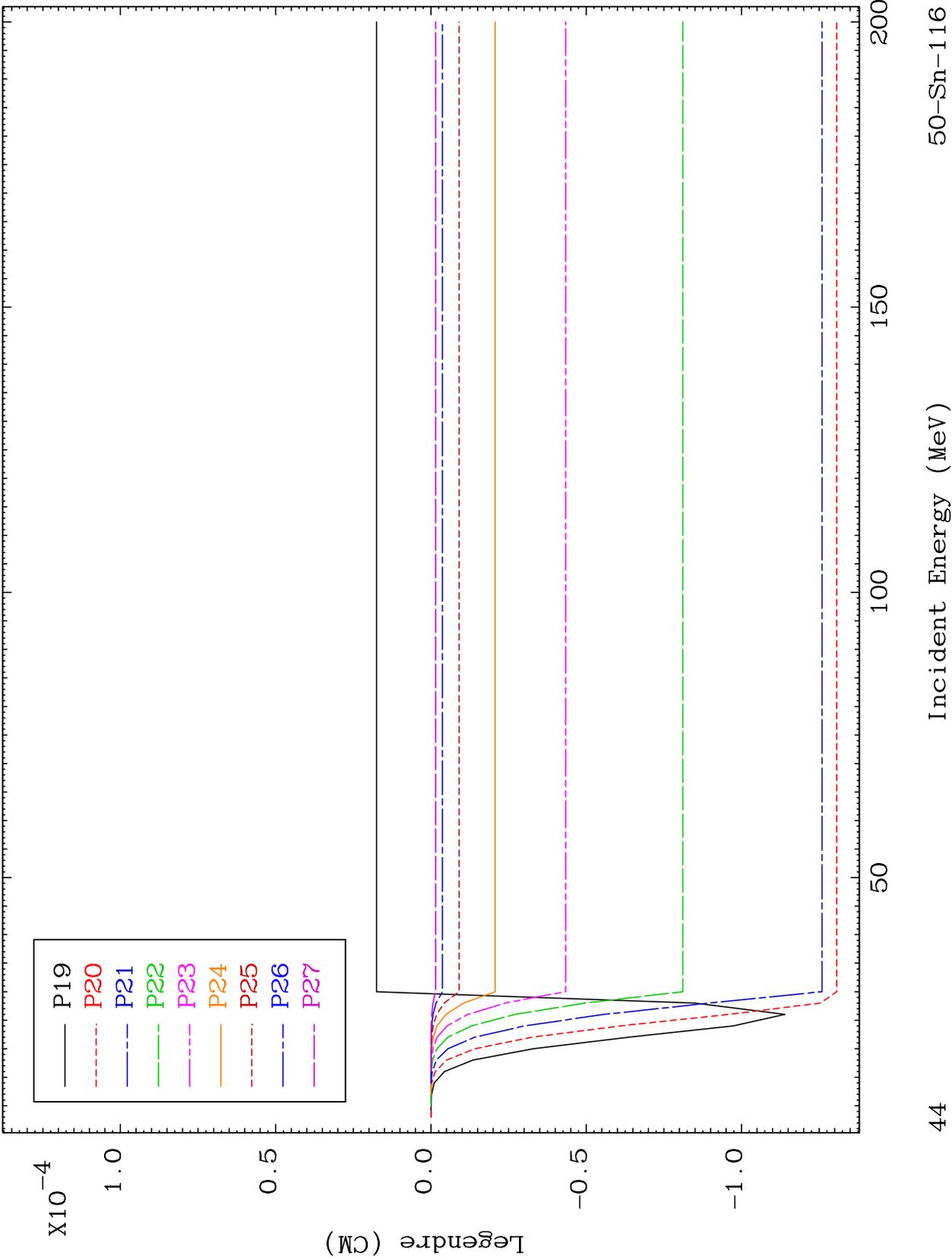
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116

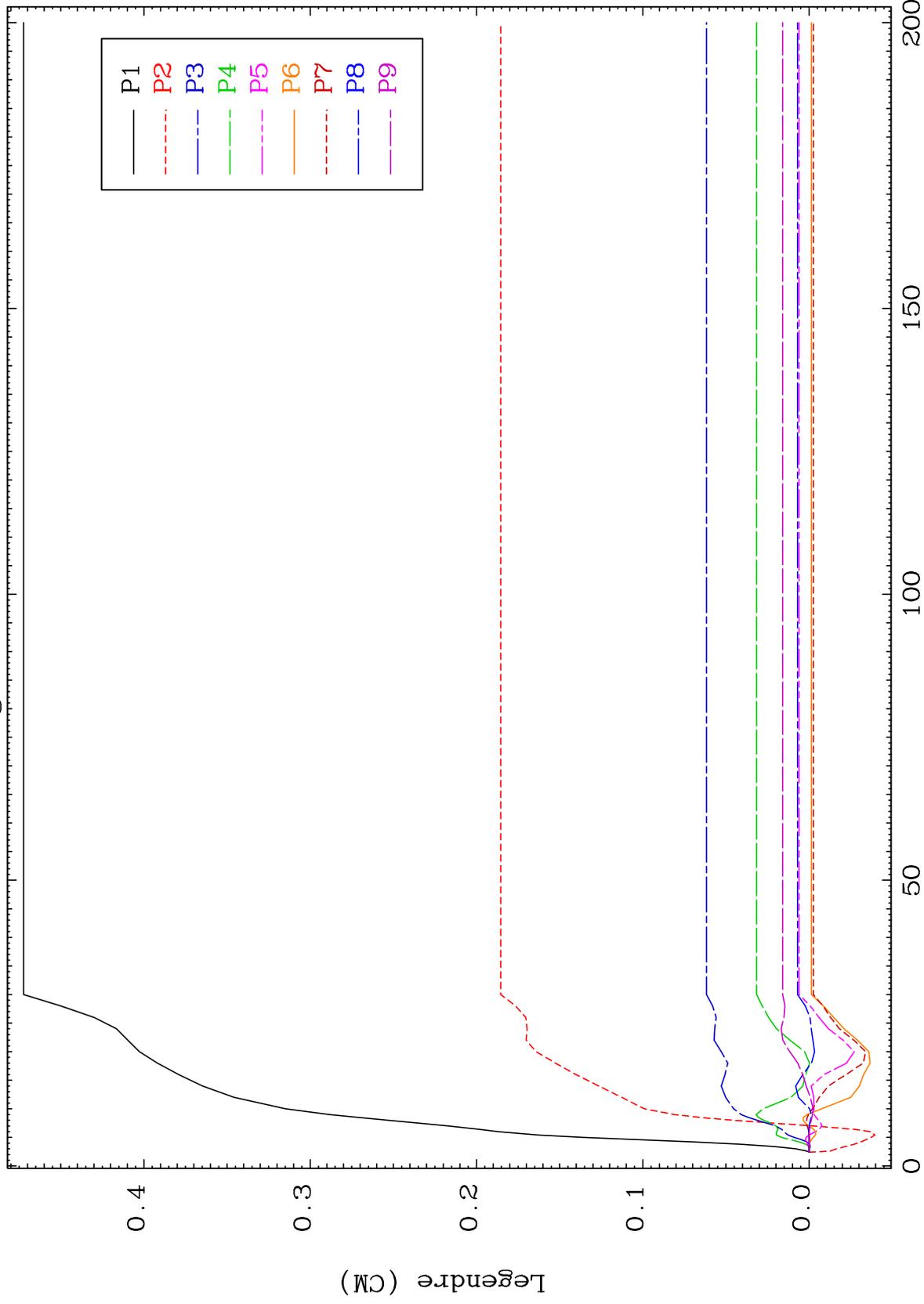




MAT 5037

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

50-Sn-116



50-Sn-116

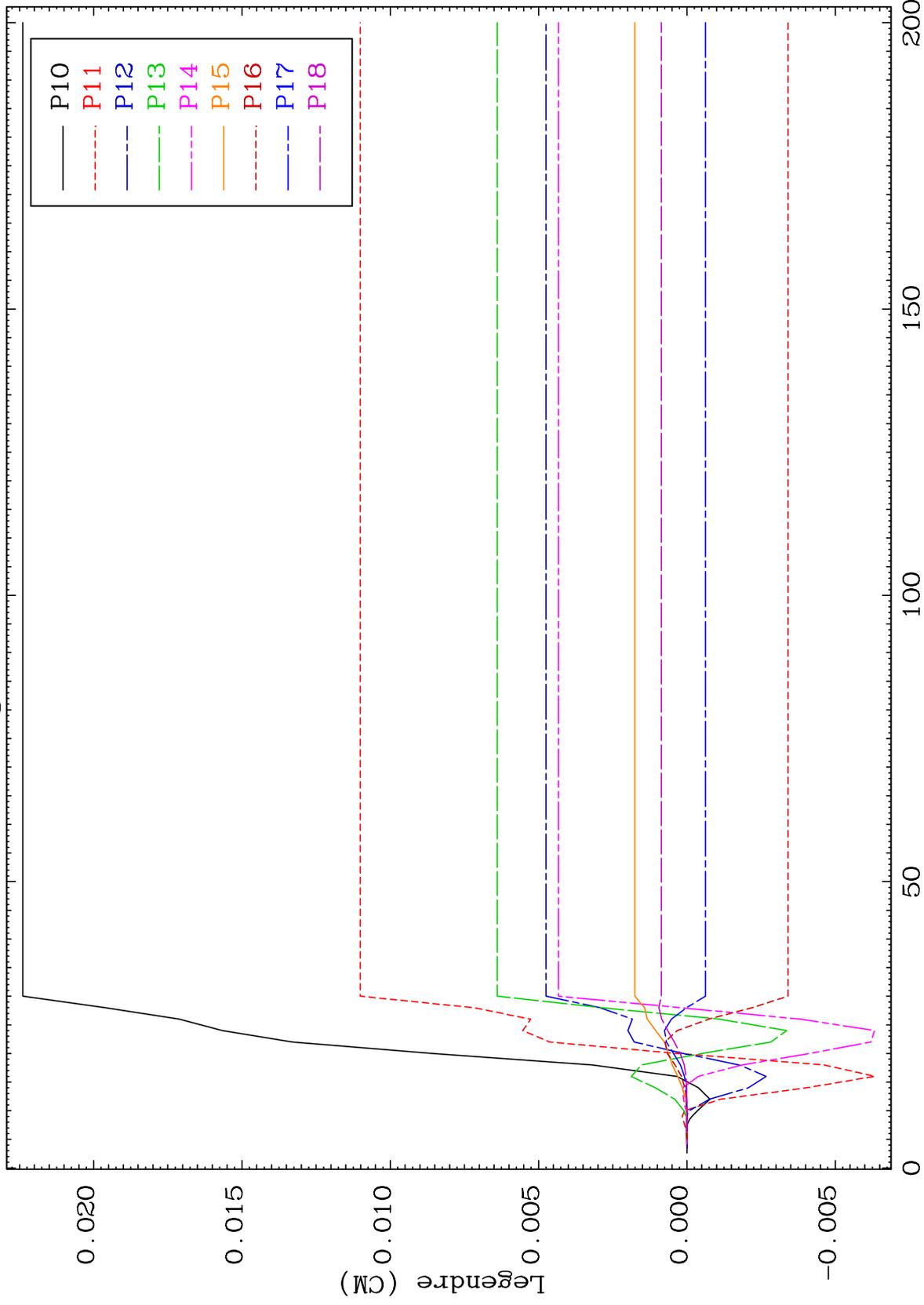
Incident Energy (MeV)

46

MAT 5037

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

50-Sn-116



47

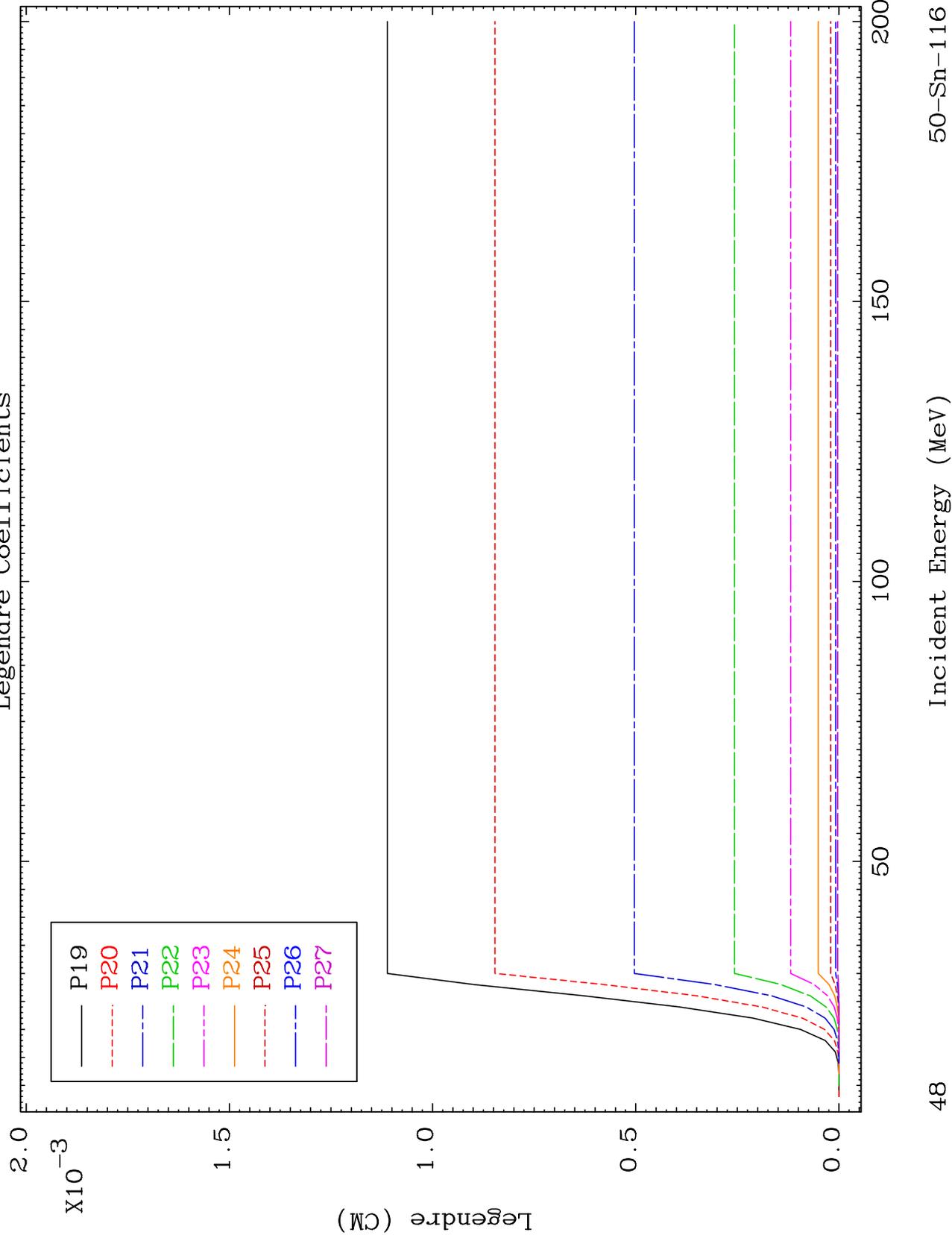
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



48

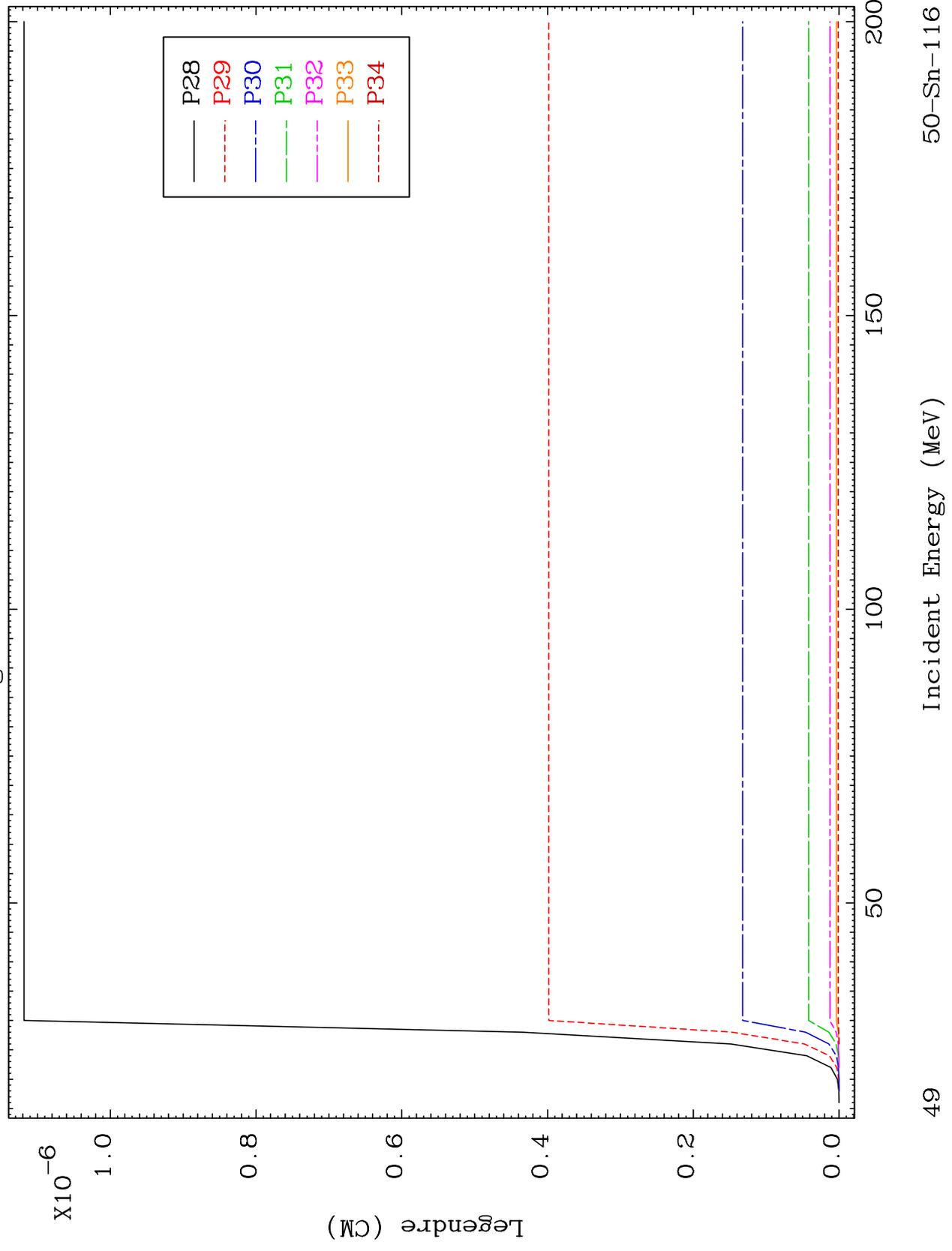
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



49

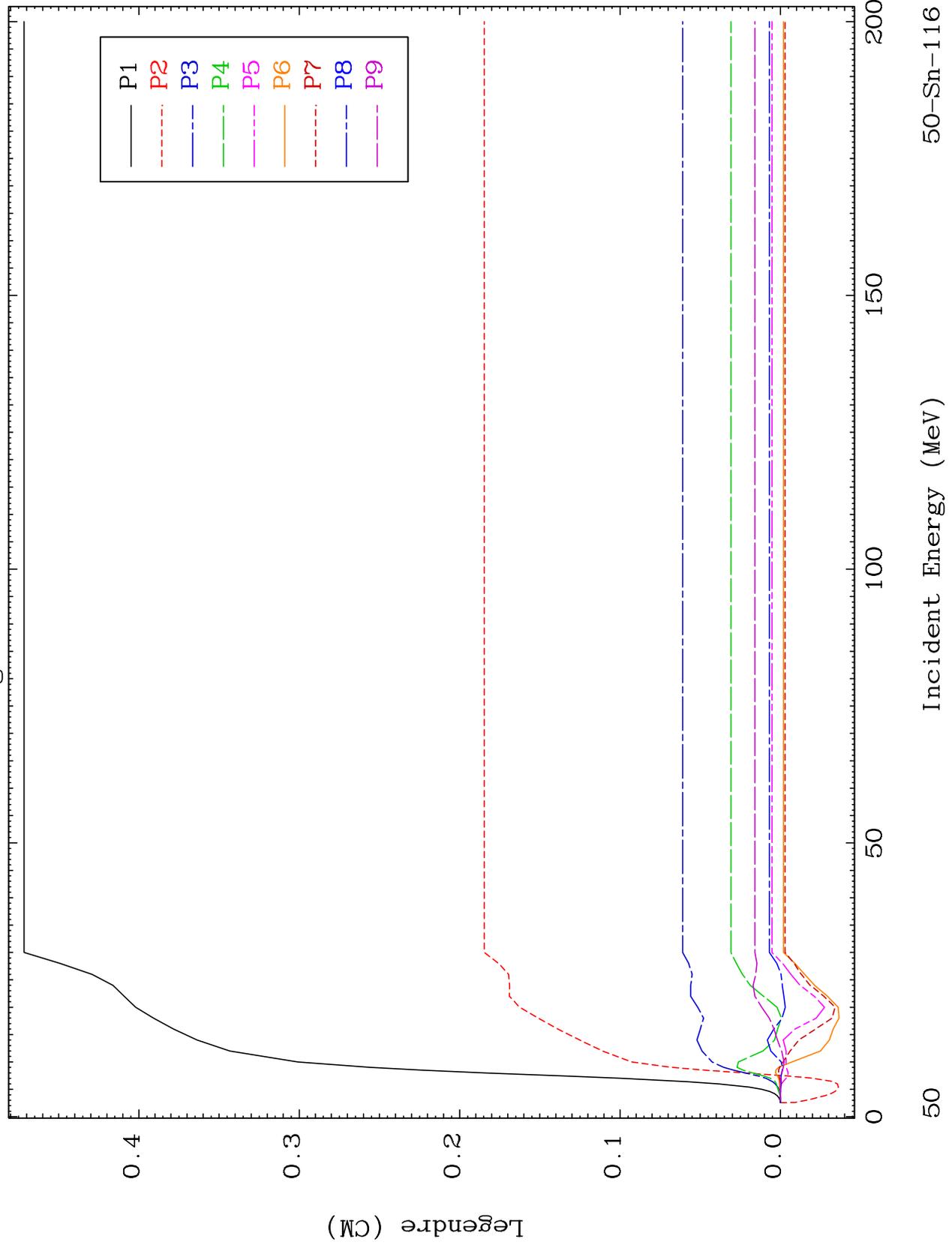
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



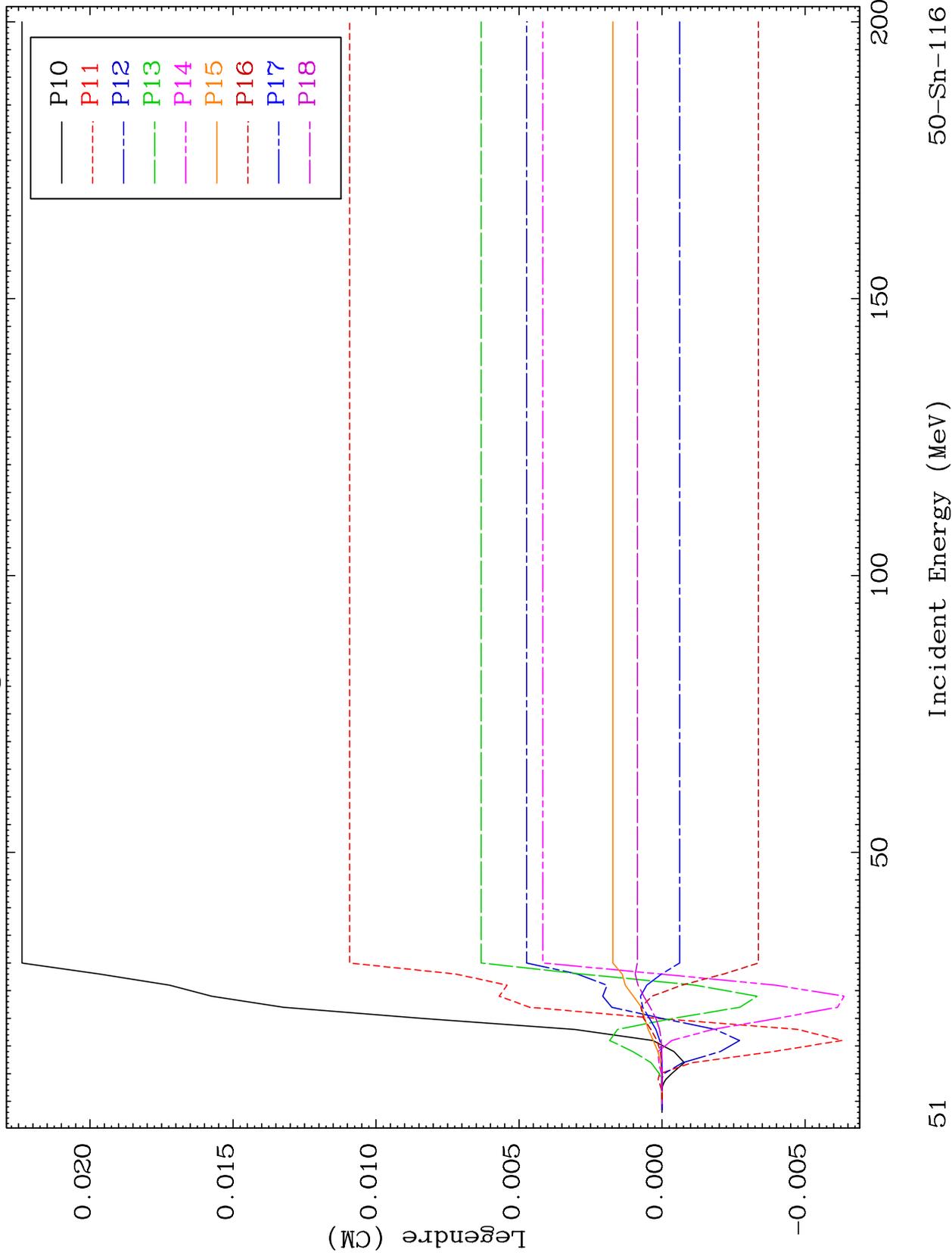
50-Sn-116

Incident Energy (MeV)

MAT 5037

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

50-Sn-116



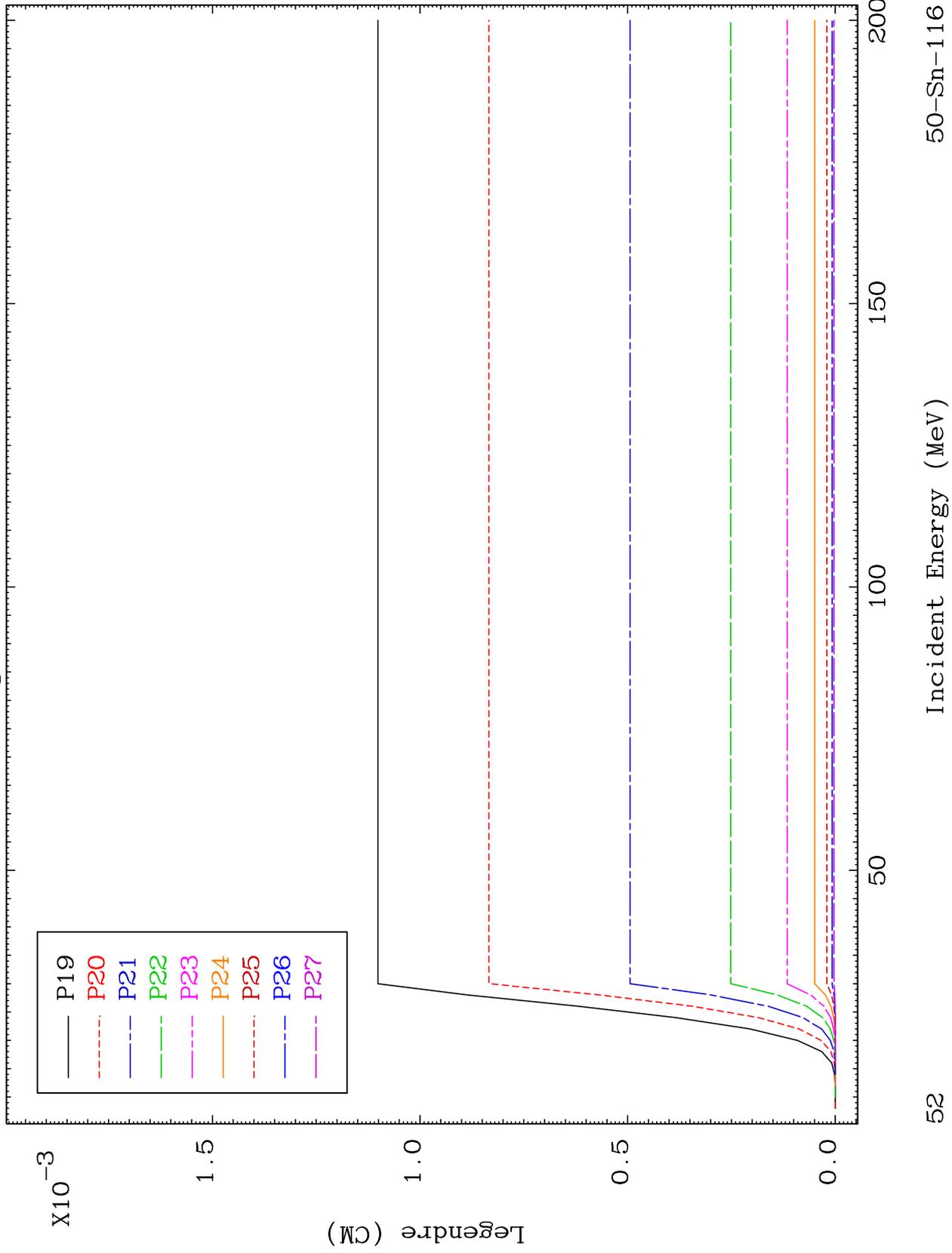
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50-Sn-116

MAT 5037

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

50-Sn-116



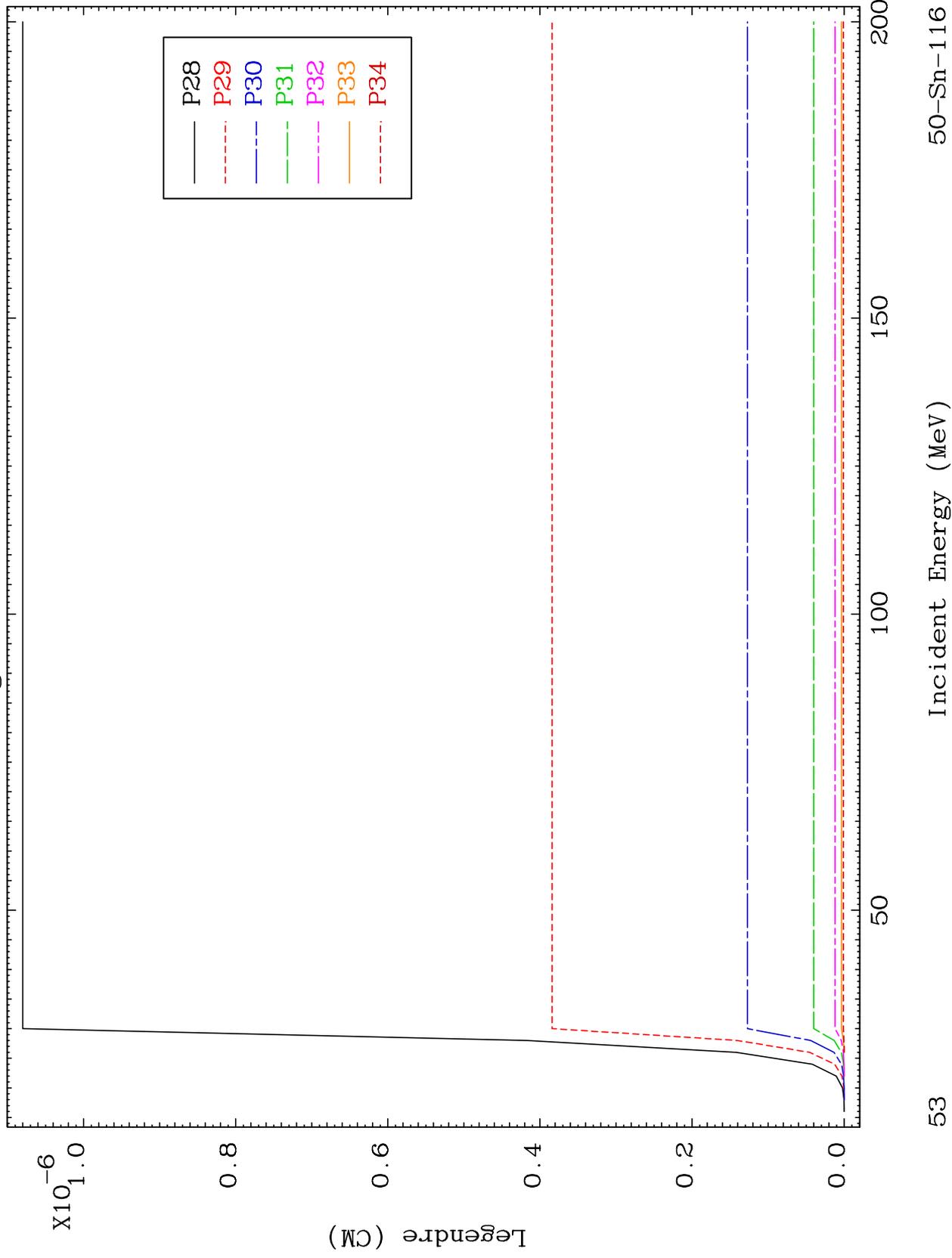
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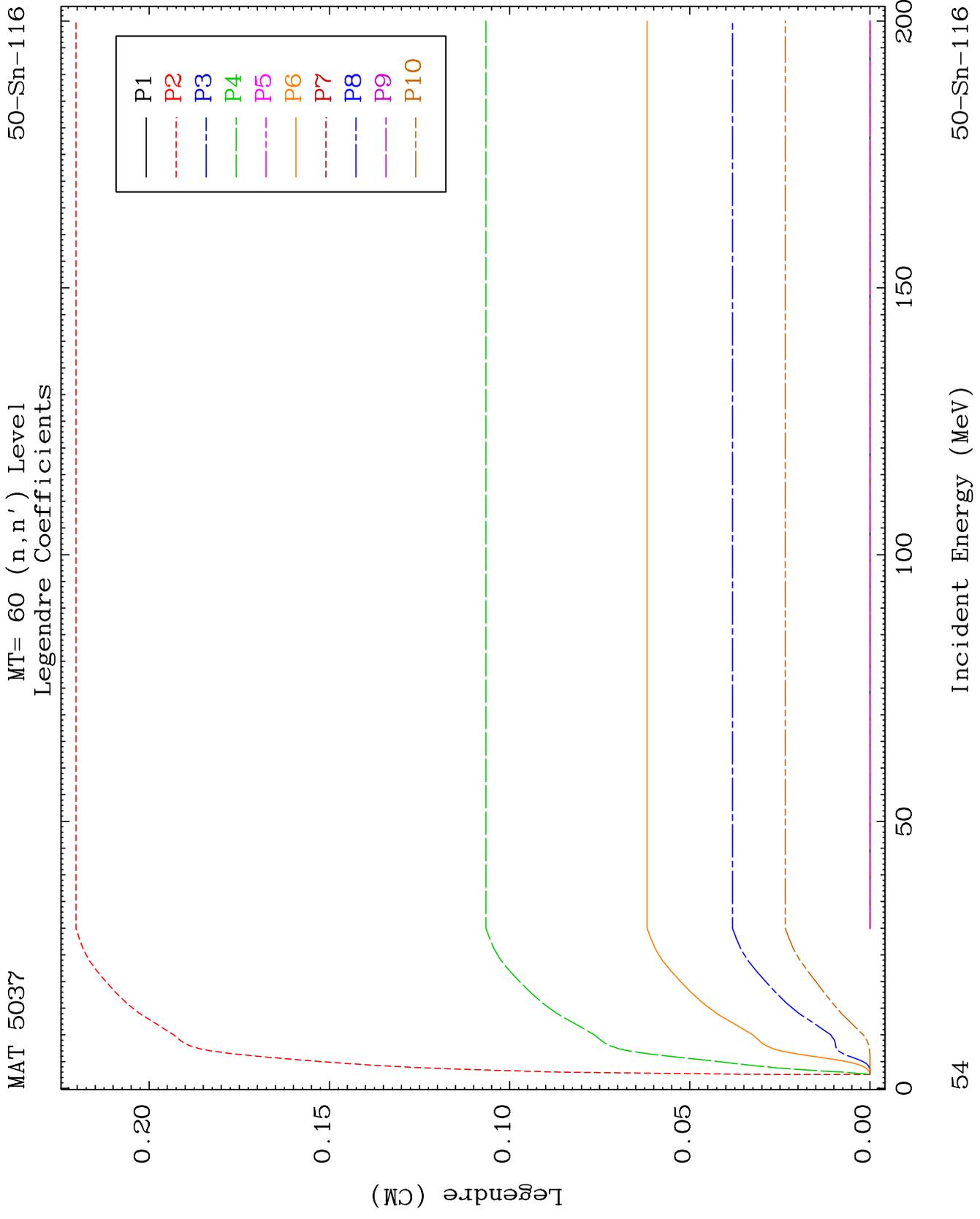
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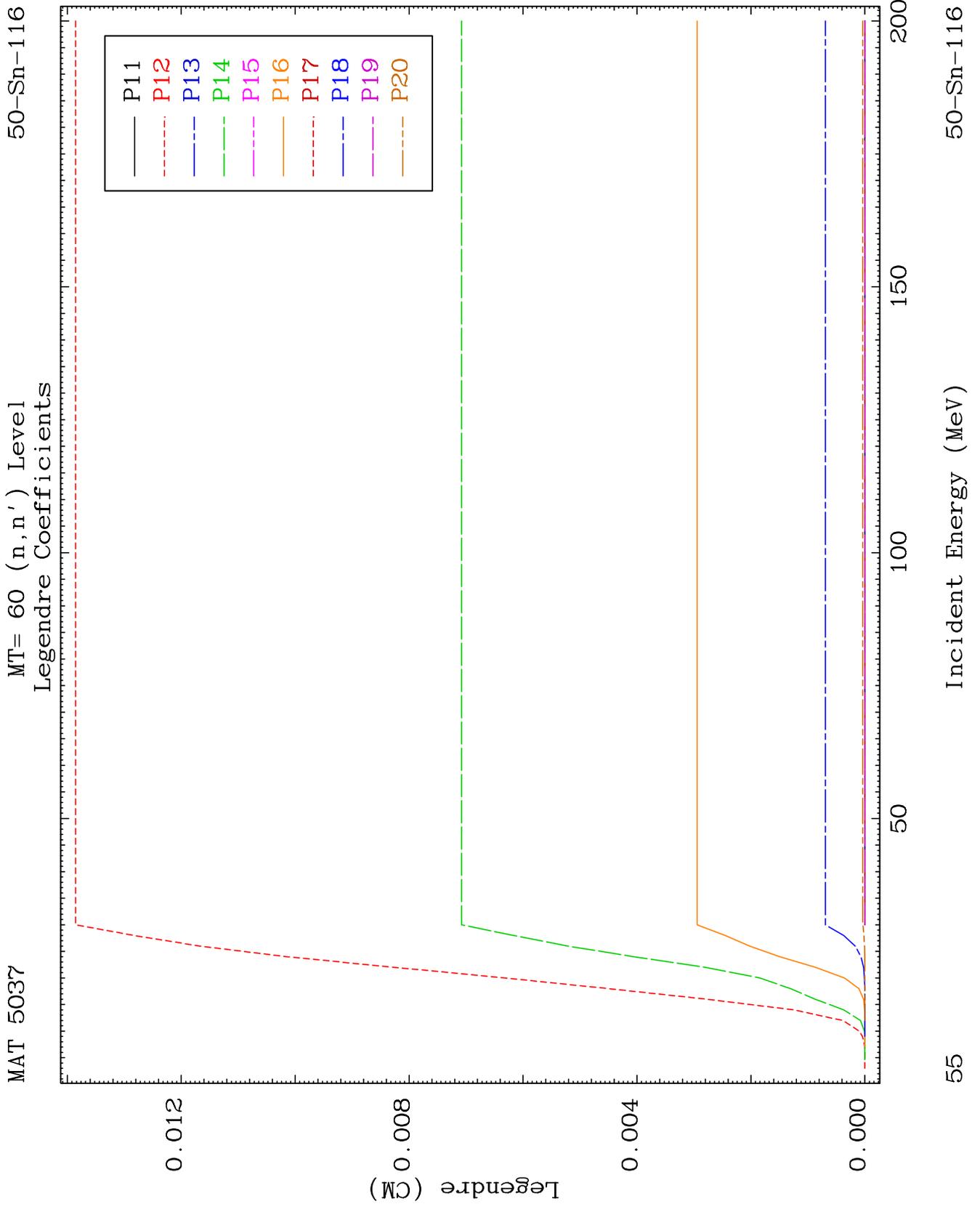
MT= 59 (n,n') Level  
Legendre Coefficients

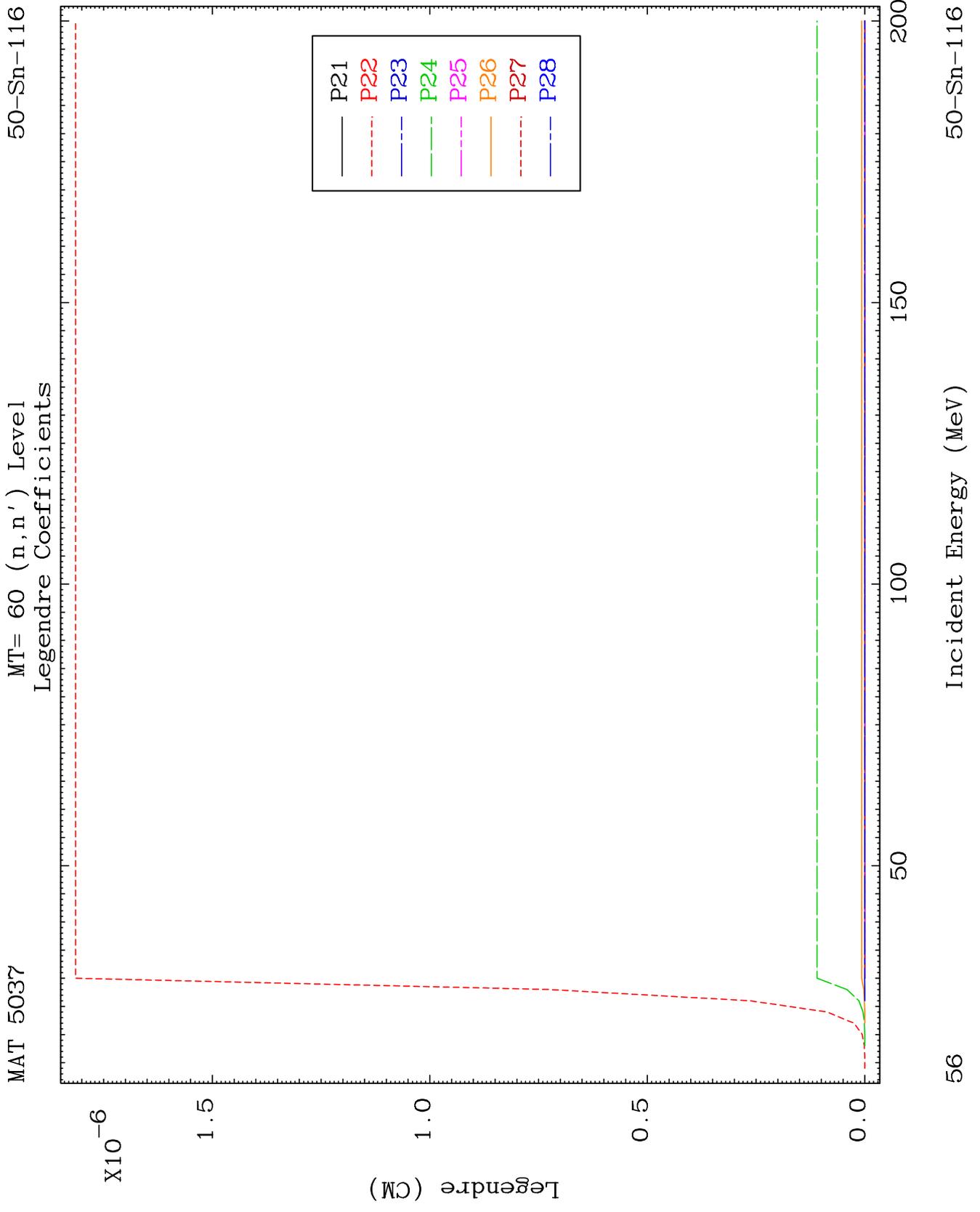
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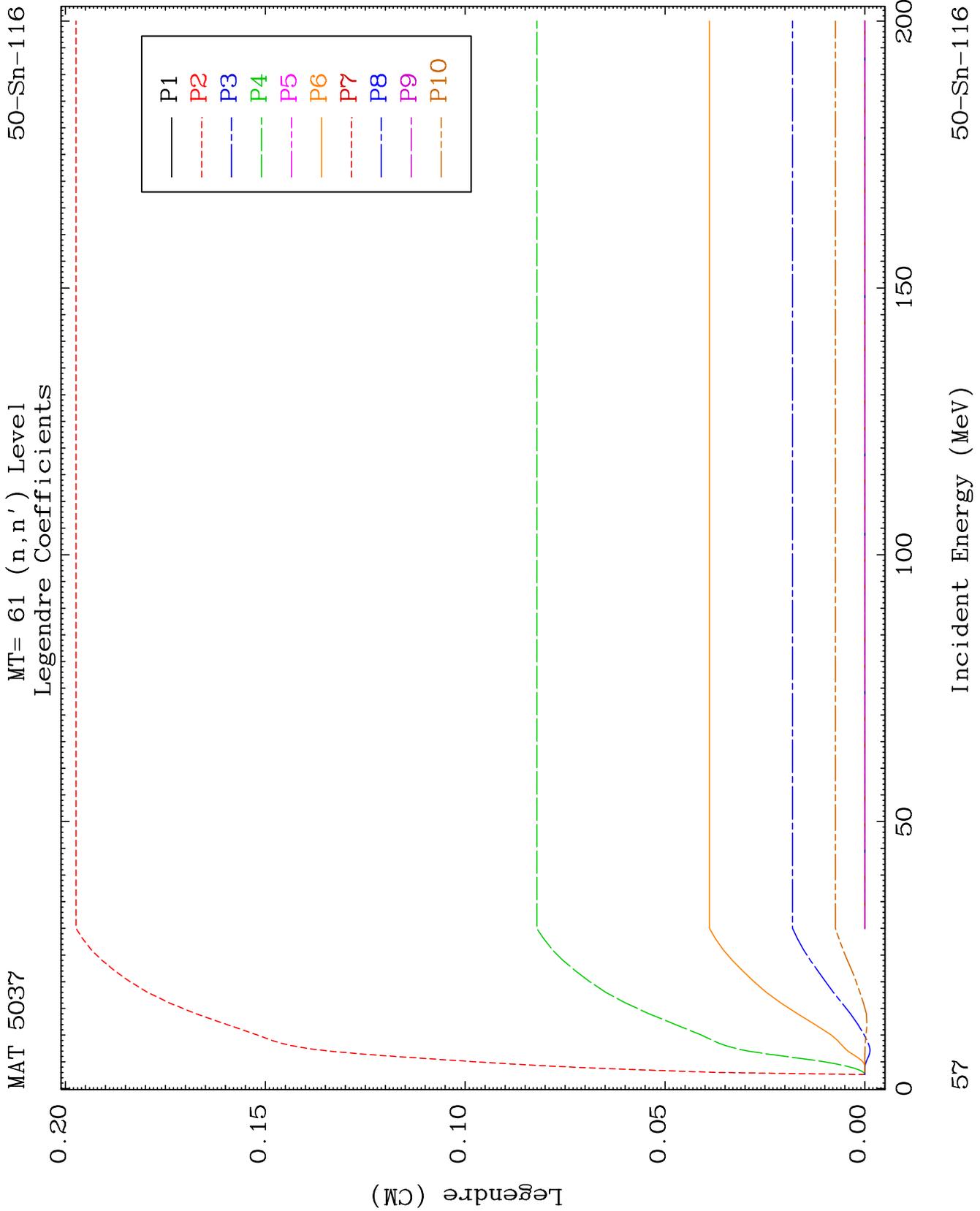


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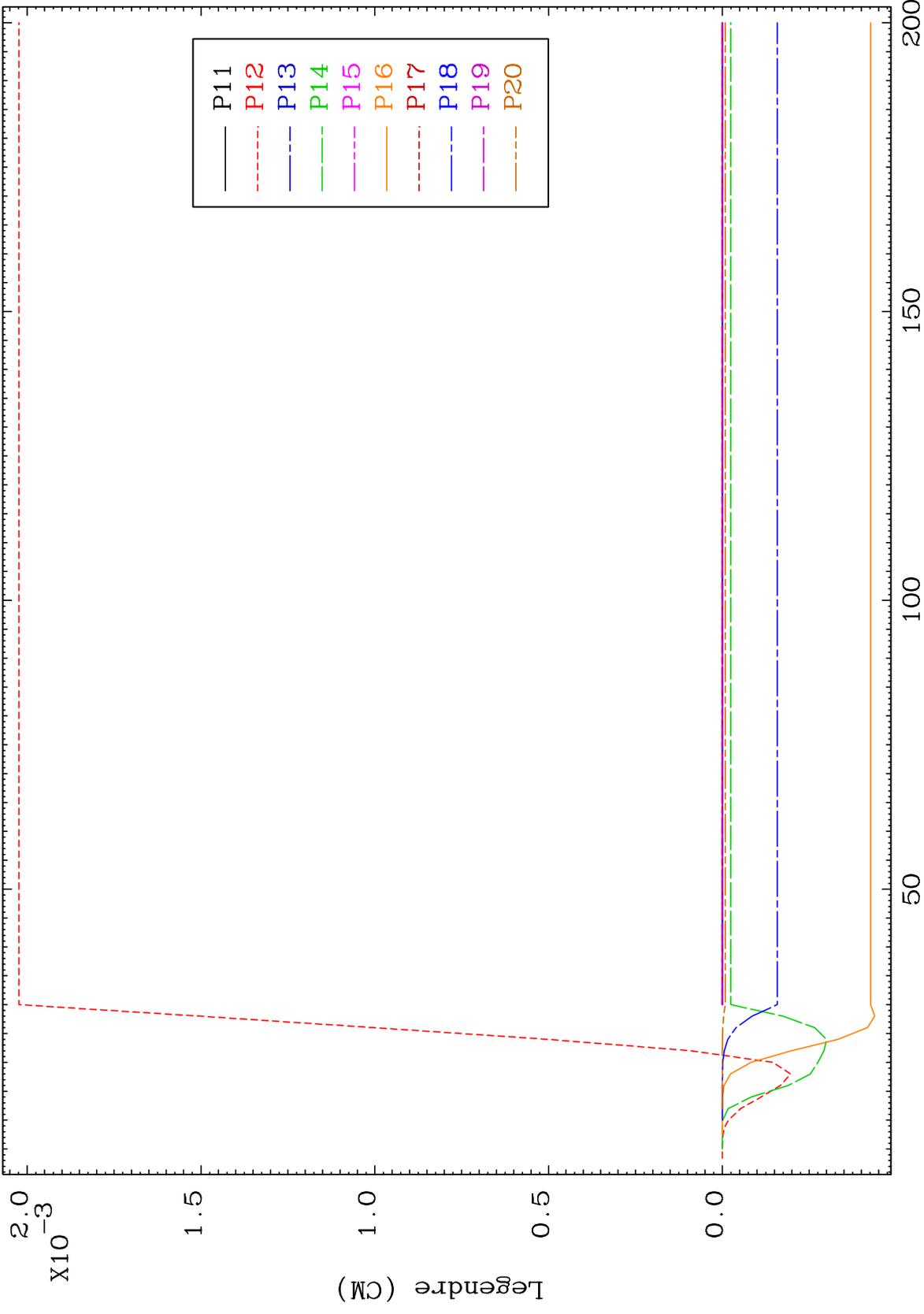




MAT 5037

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

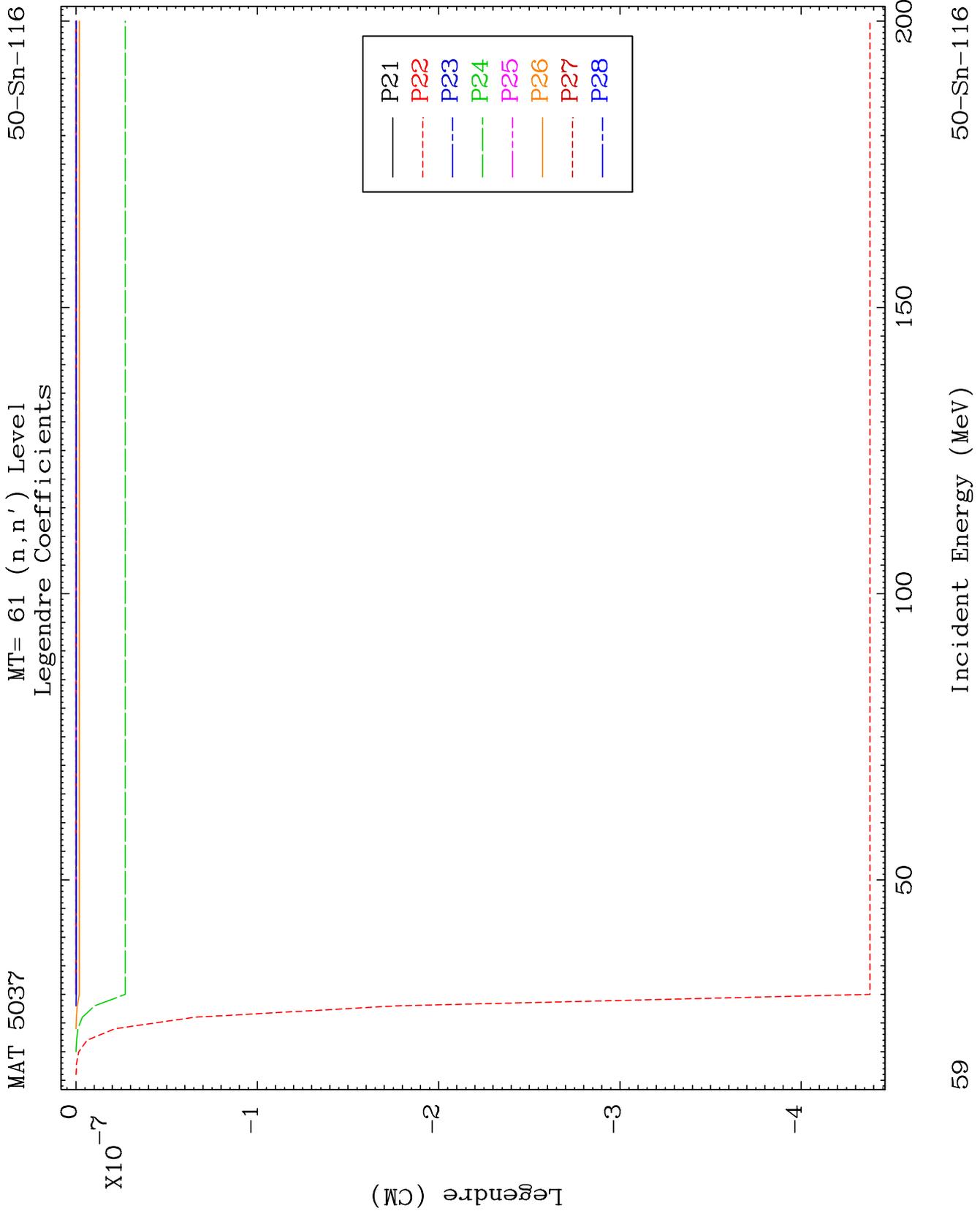
50-Sn-116



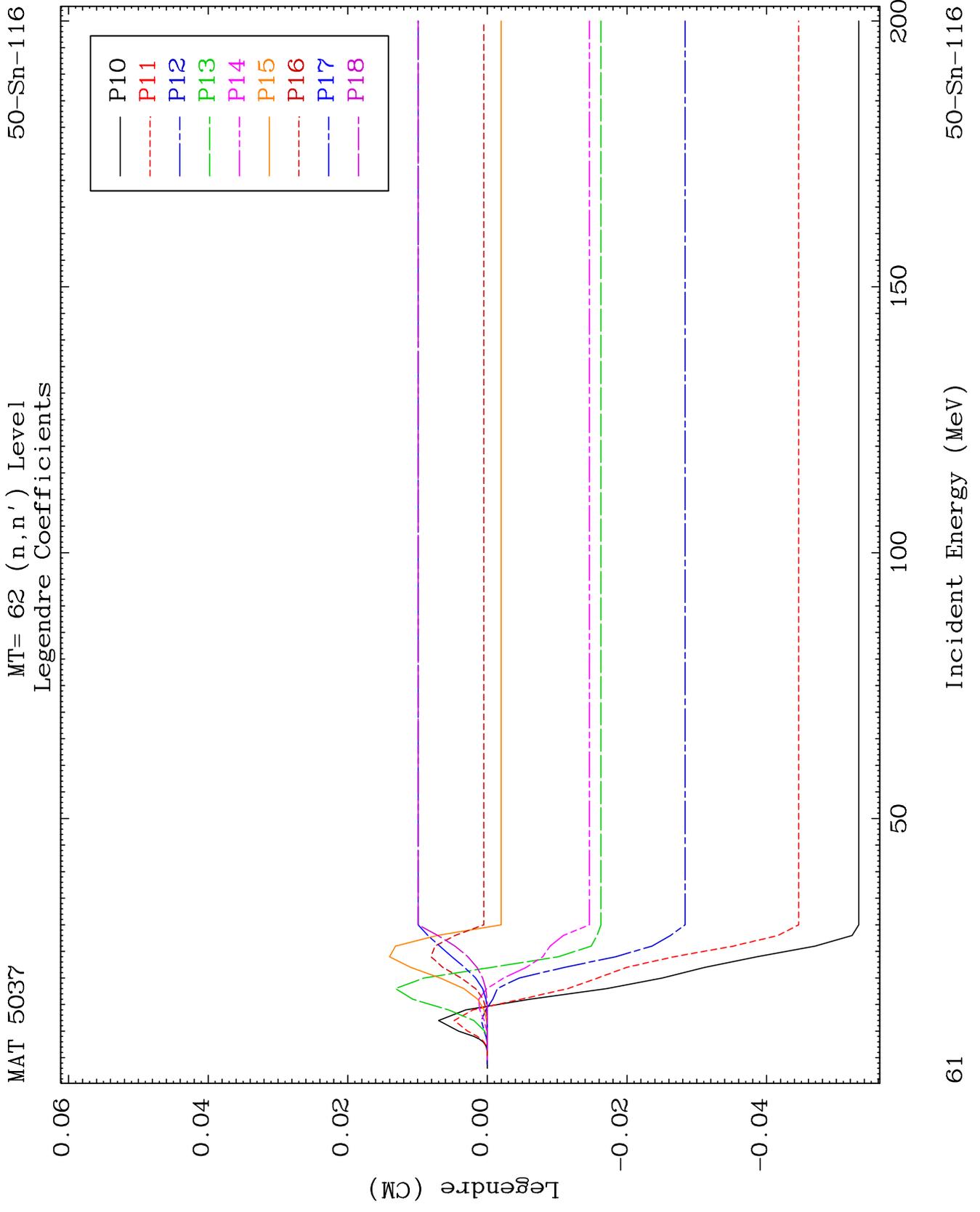
58

Incident Energy (MeV)

50-Sn-116



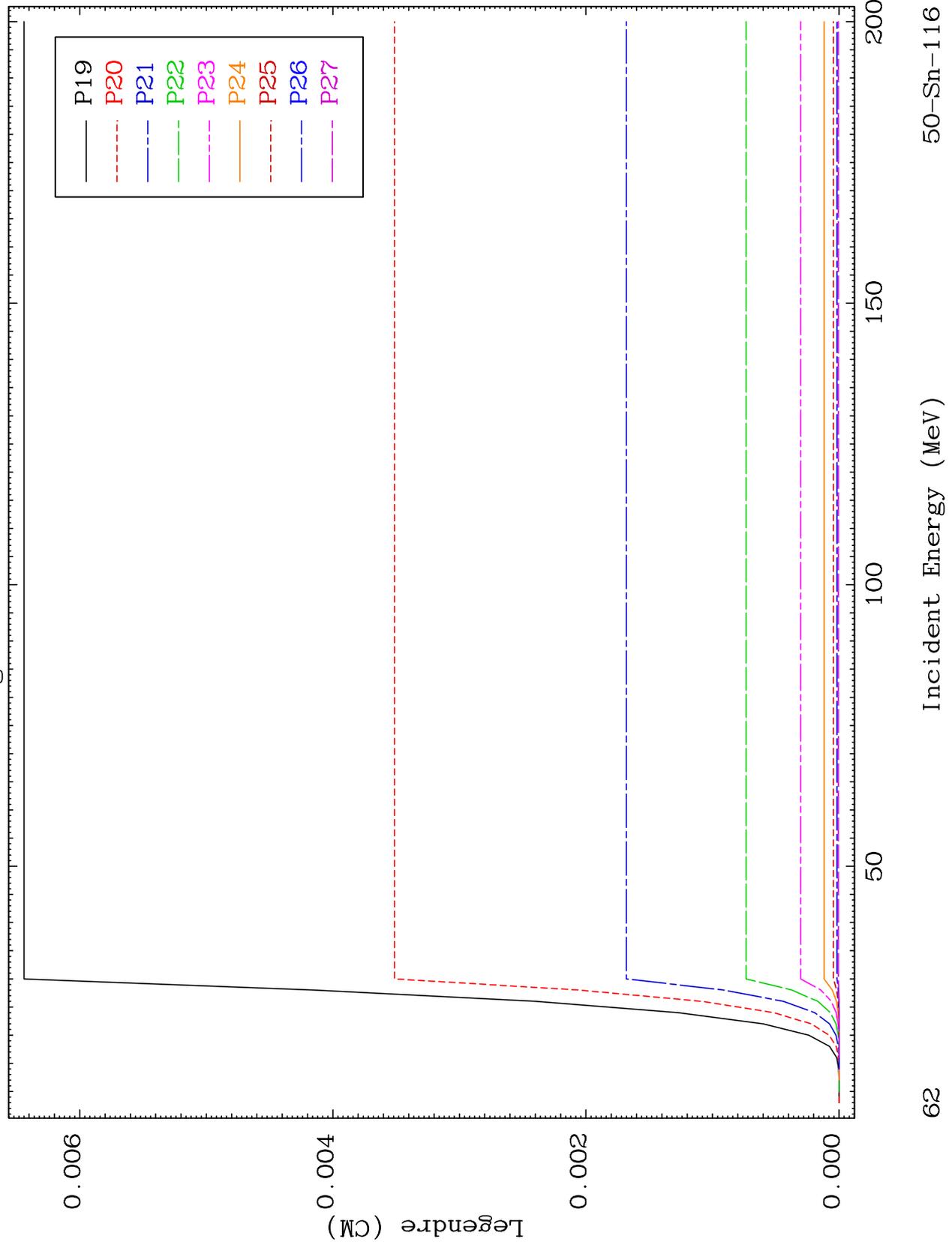




MAT 5037

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

50-Sn-116



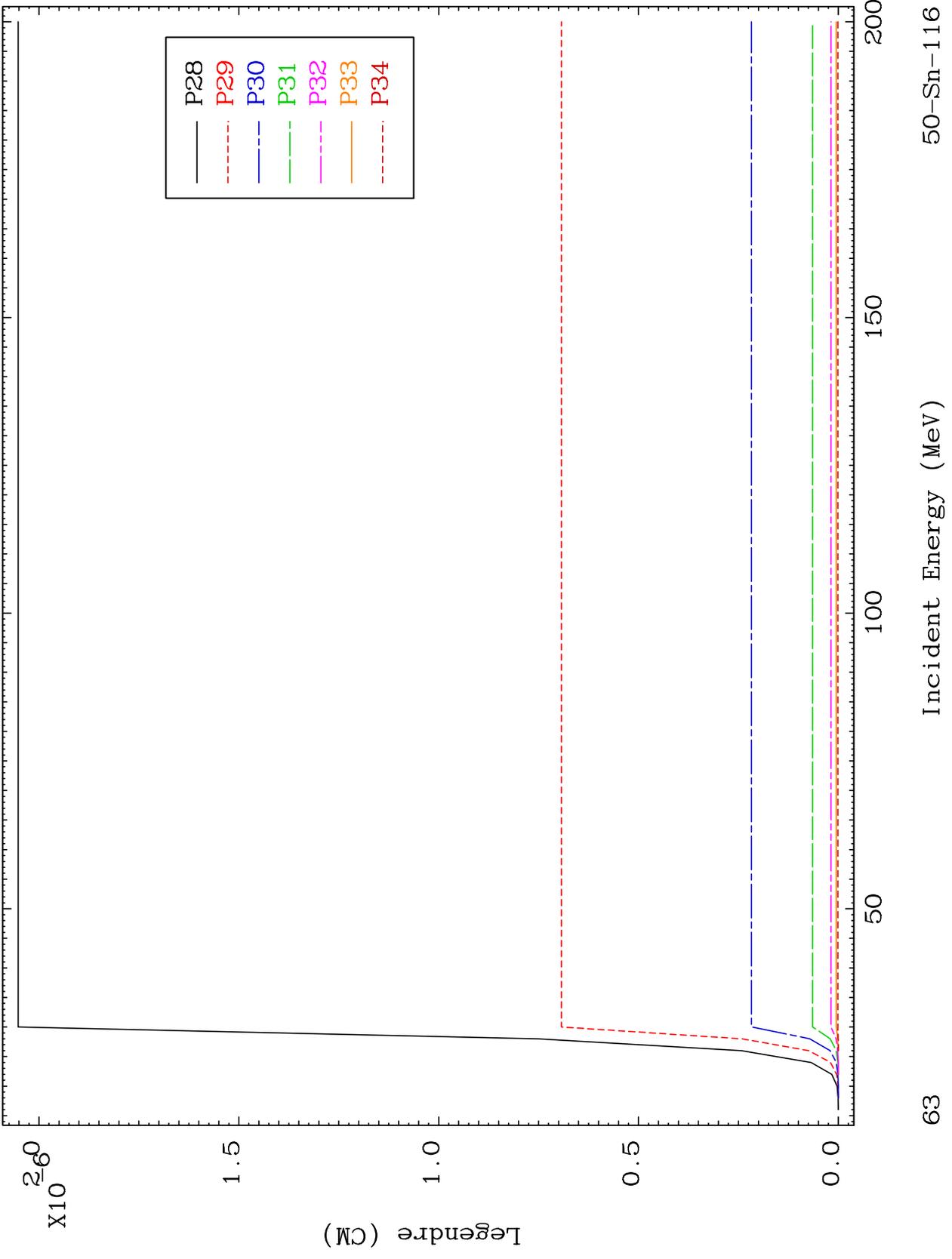
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50-Sn-116

MAT 5037

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

50-Sn-116

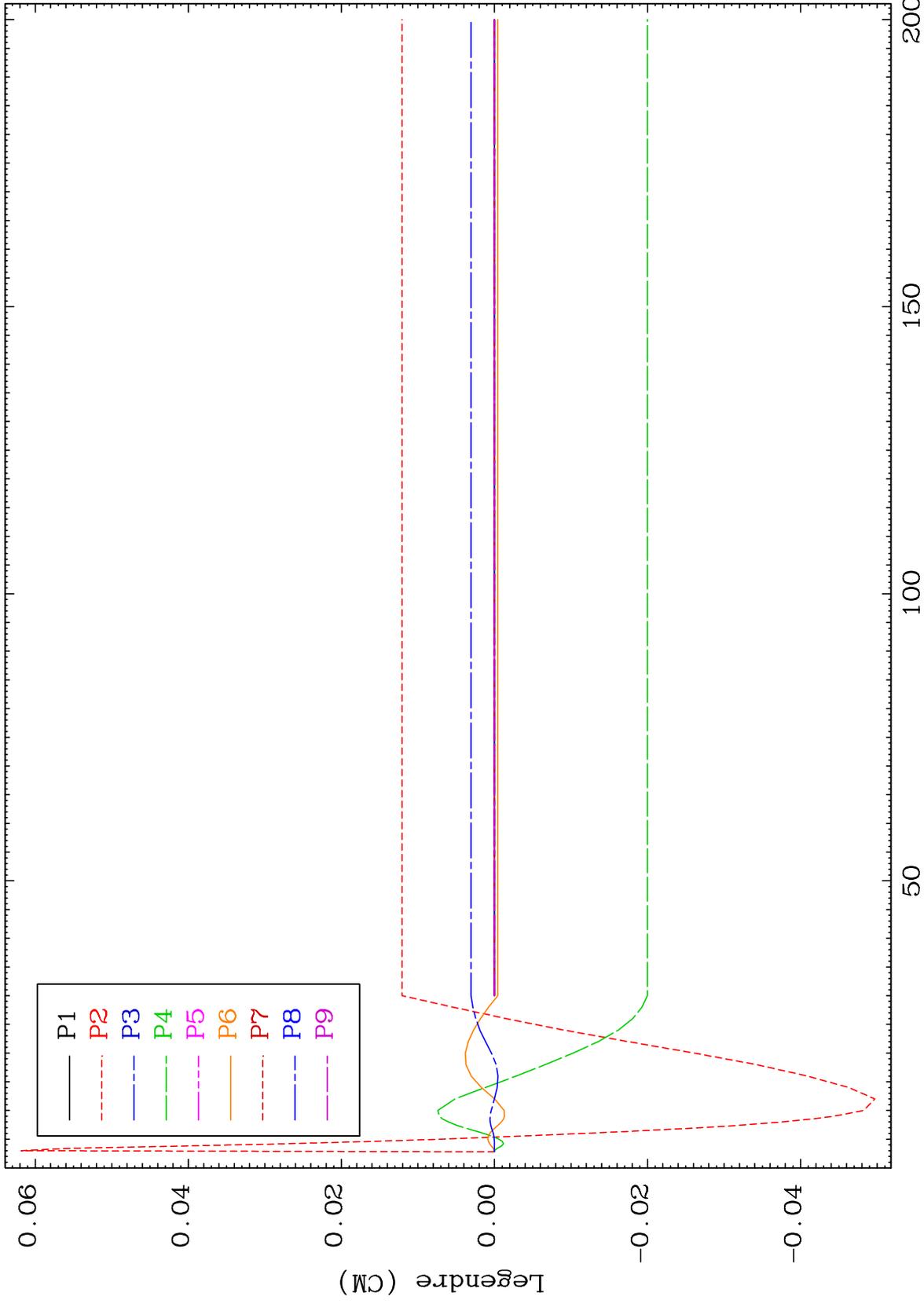


63

MAT 5037

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

50-Sn-116



64

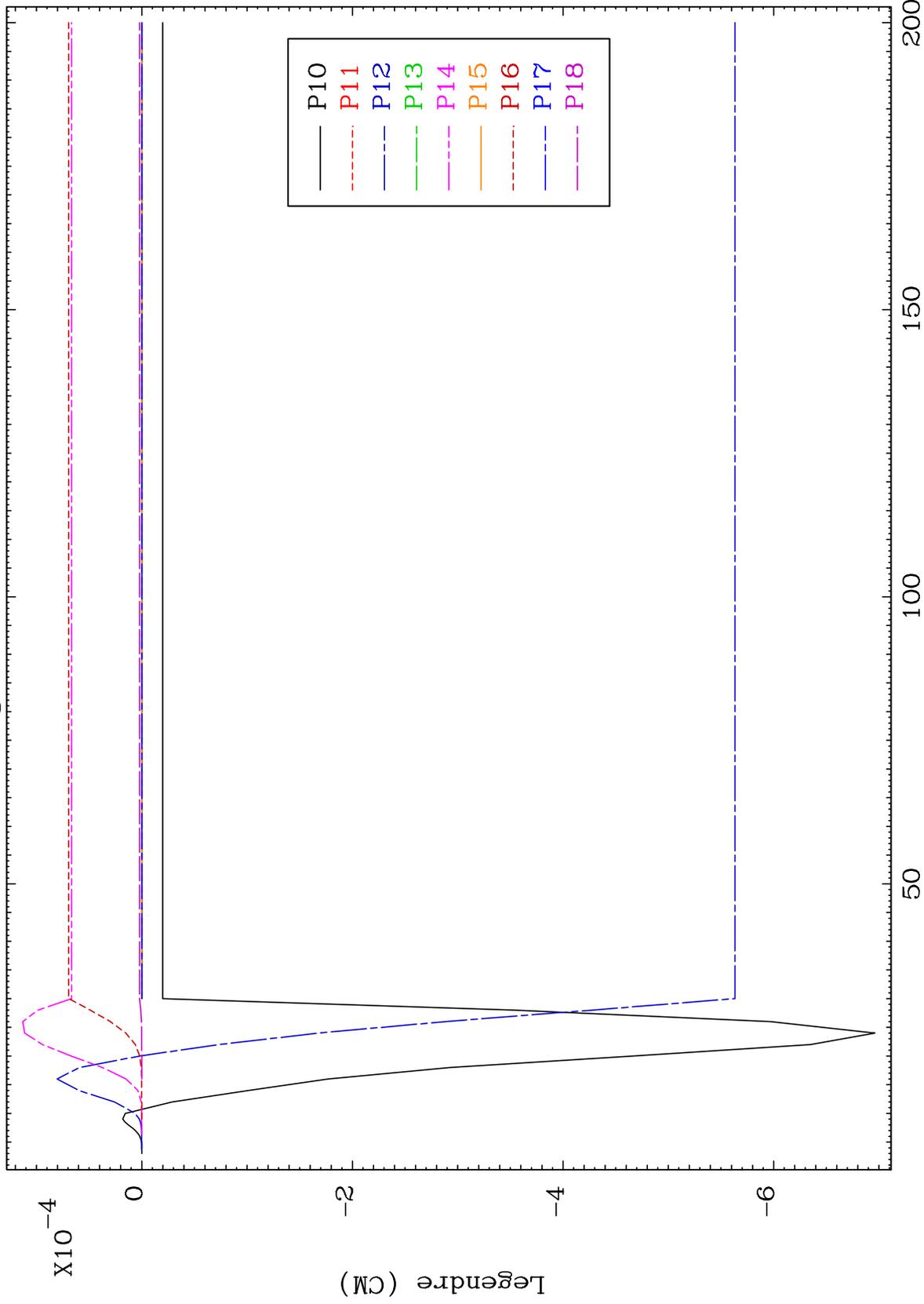
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



65

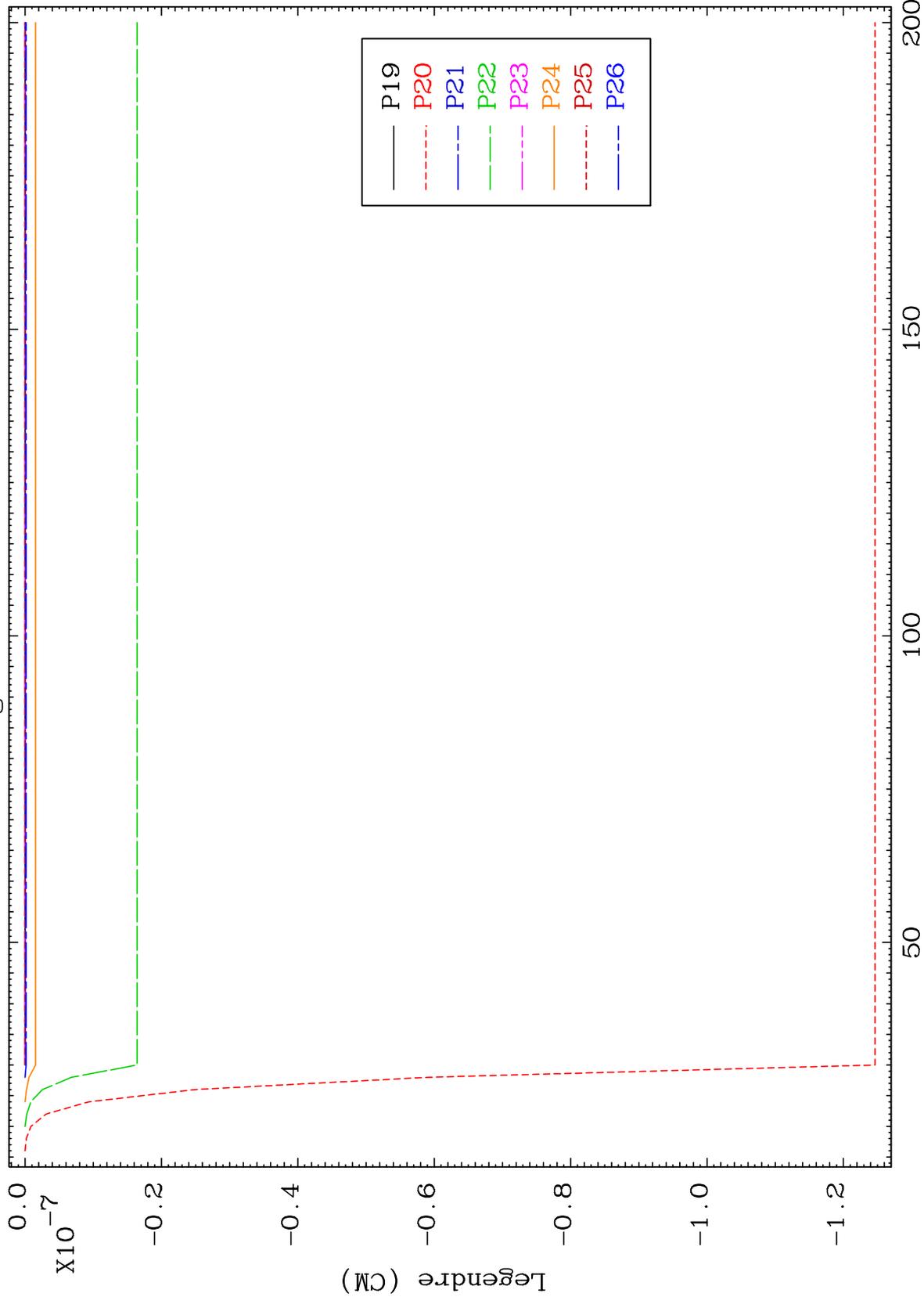
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116

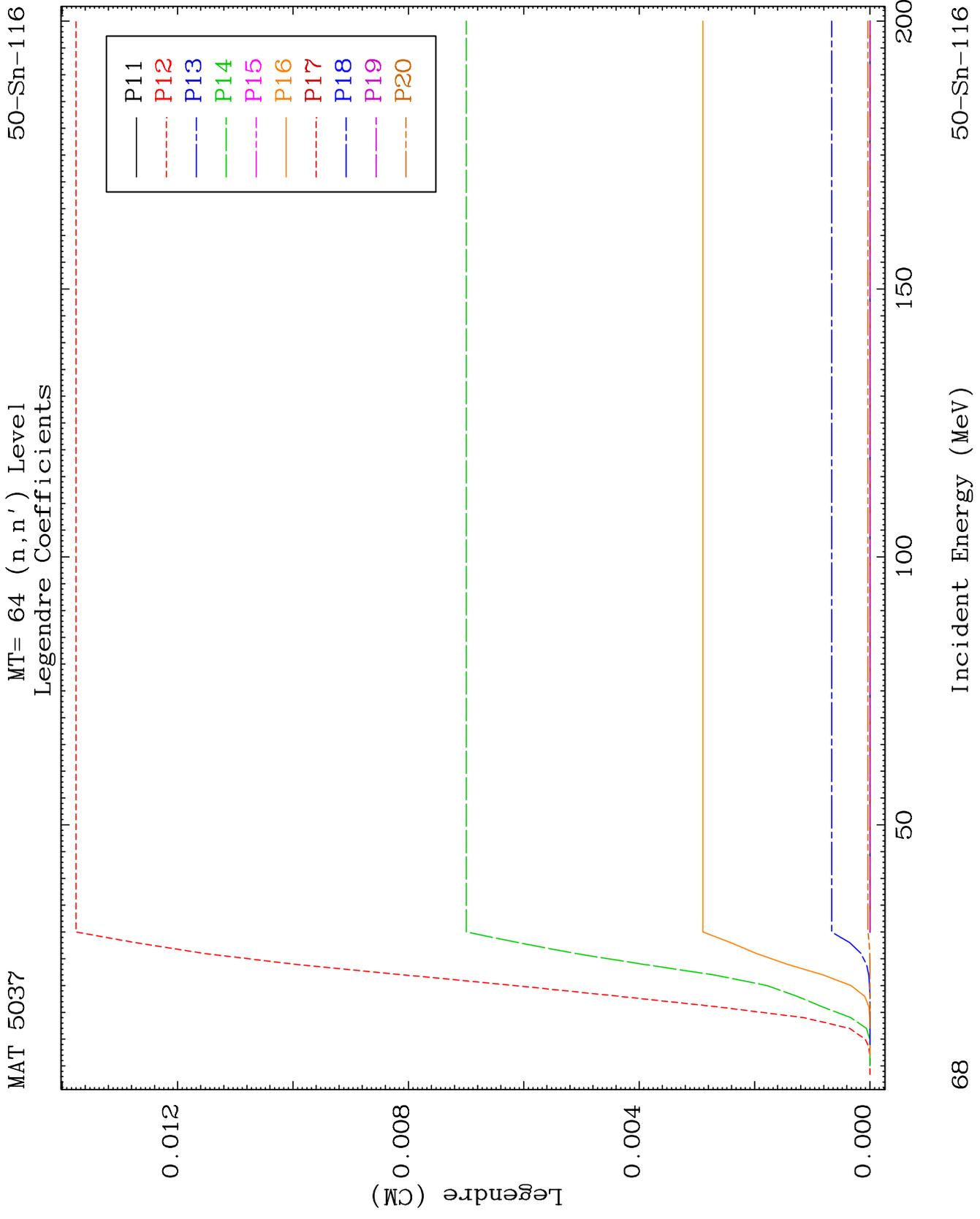


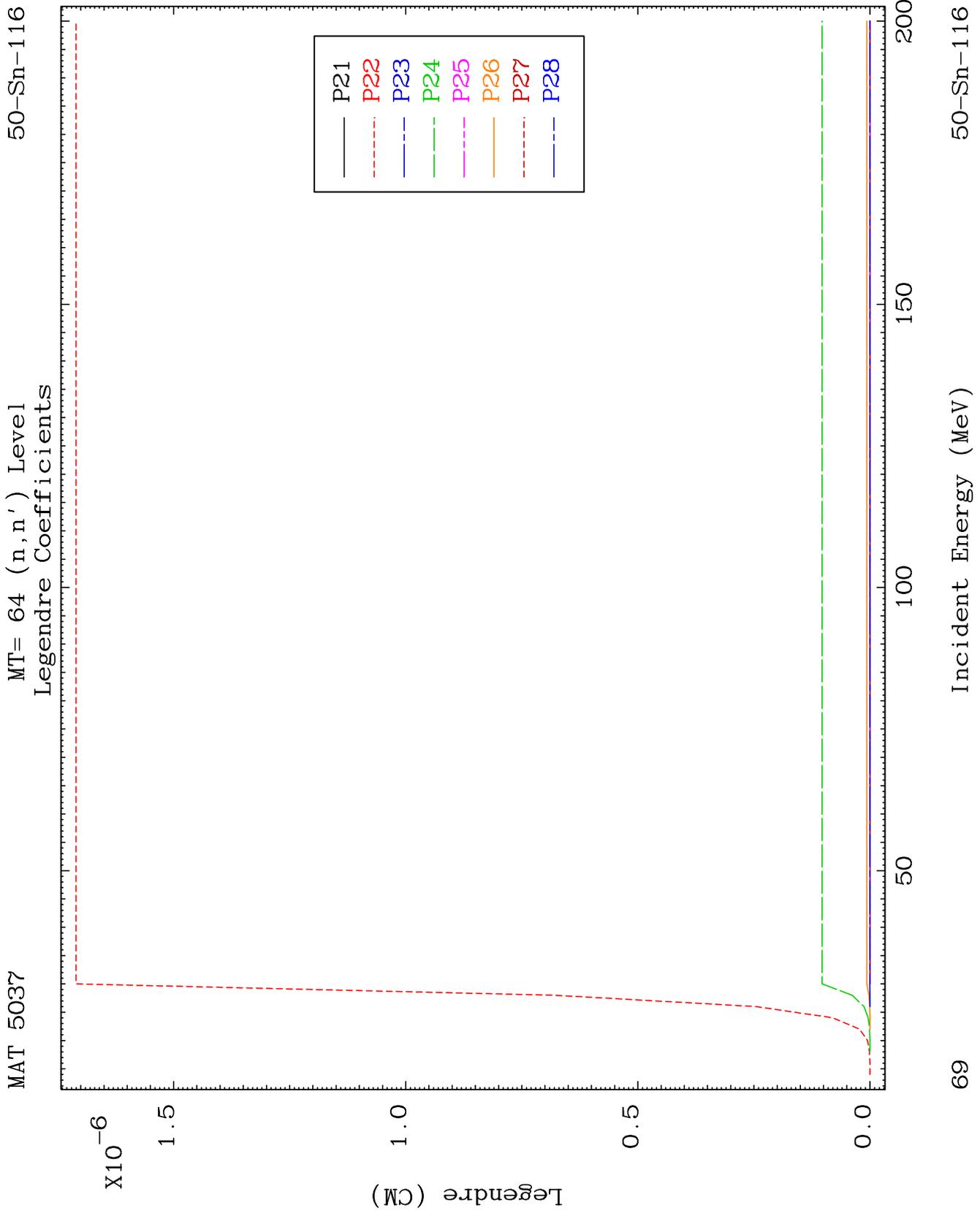
50-Sn-116

Incident Energy (MeV)

66



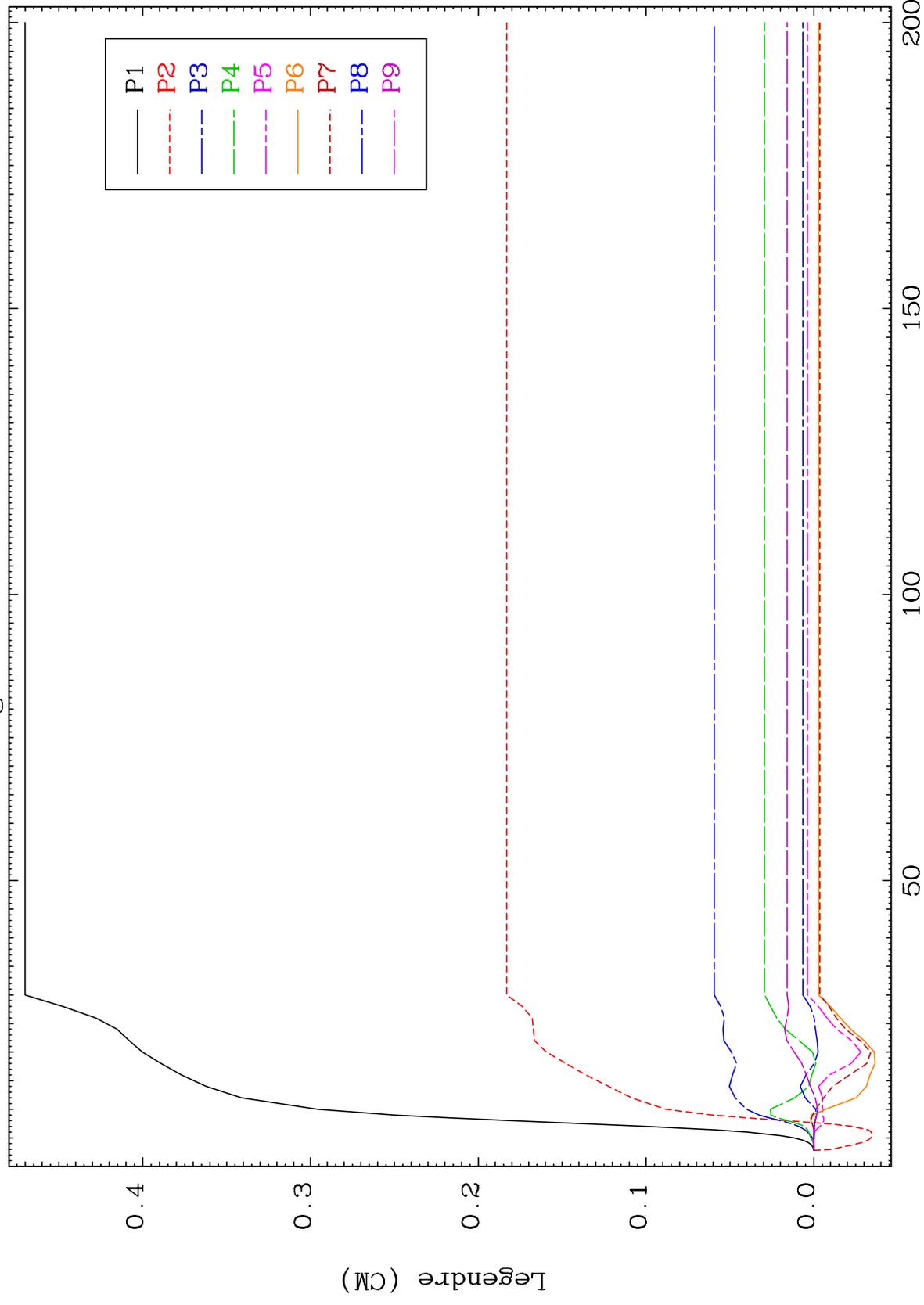




MAT 5037

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

50-Sn-116



50-Sn-116

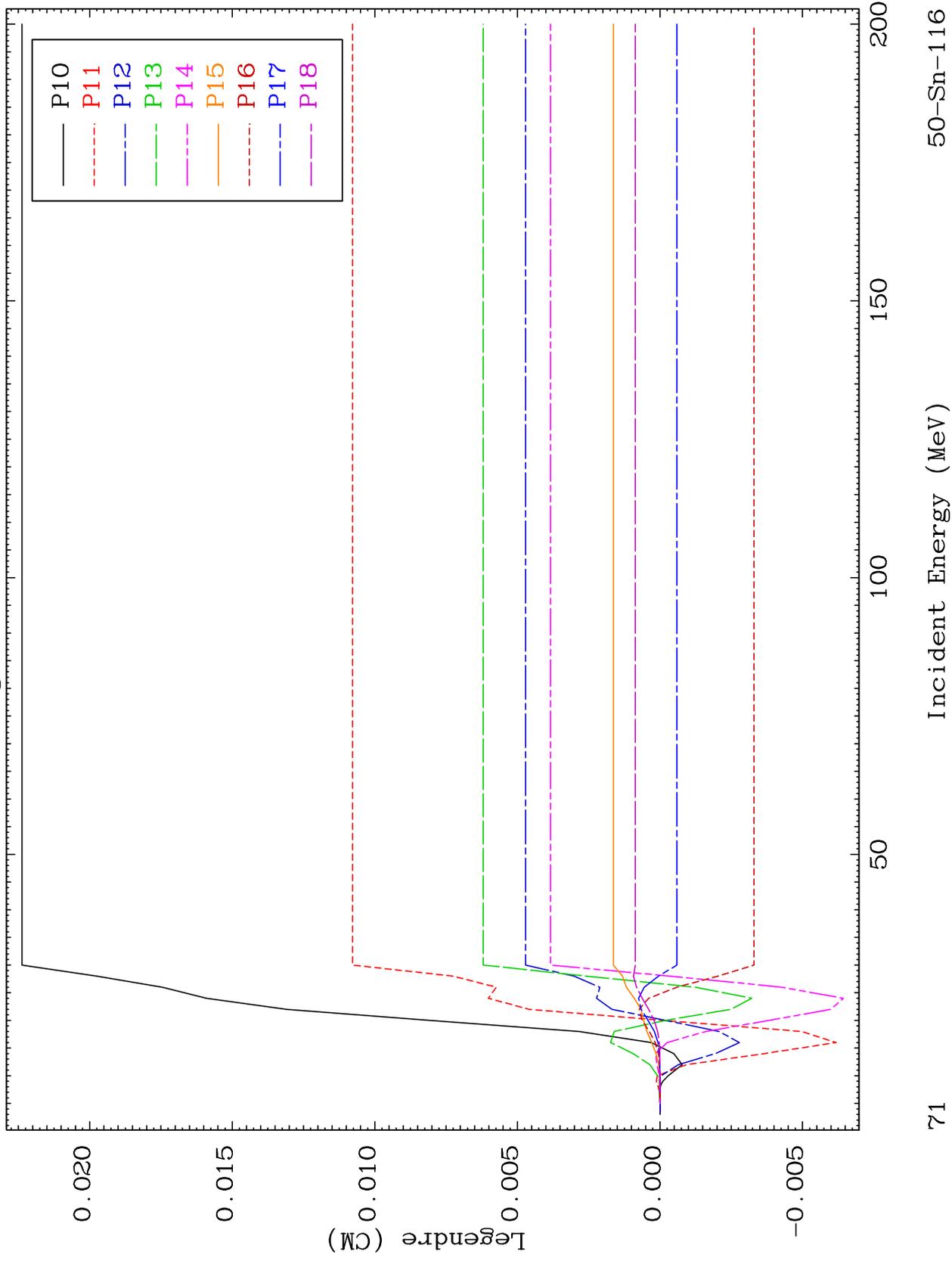
Incident Energy (MeV)

70

MAT 5037

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

50-Sn-116



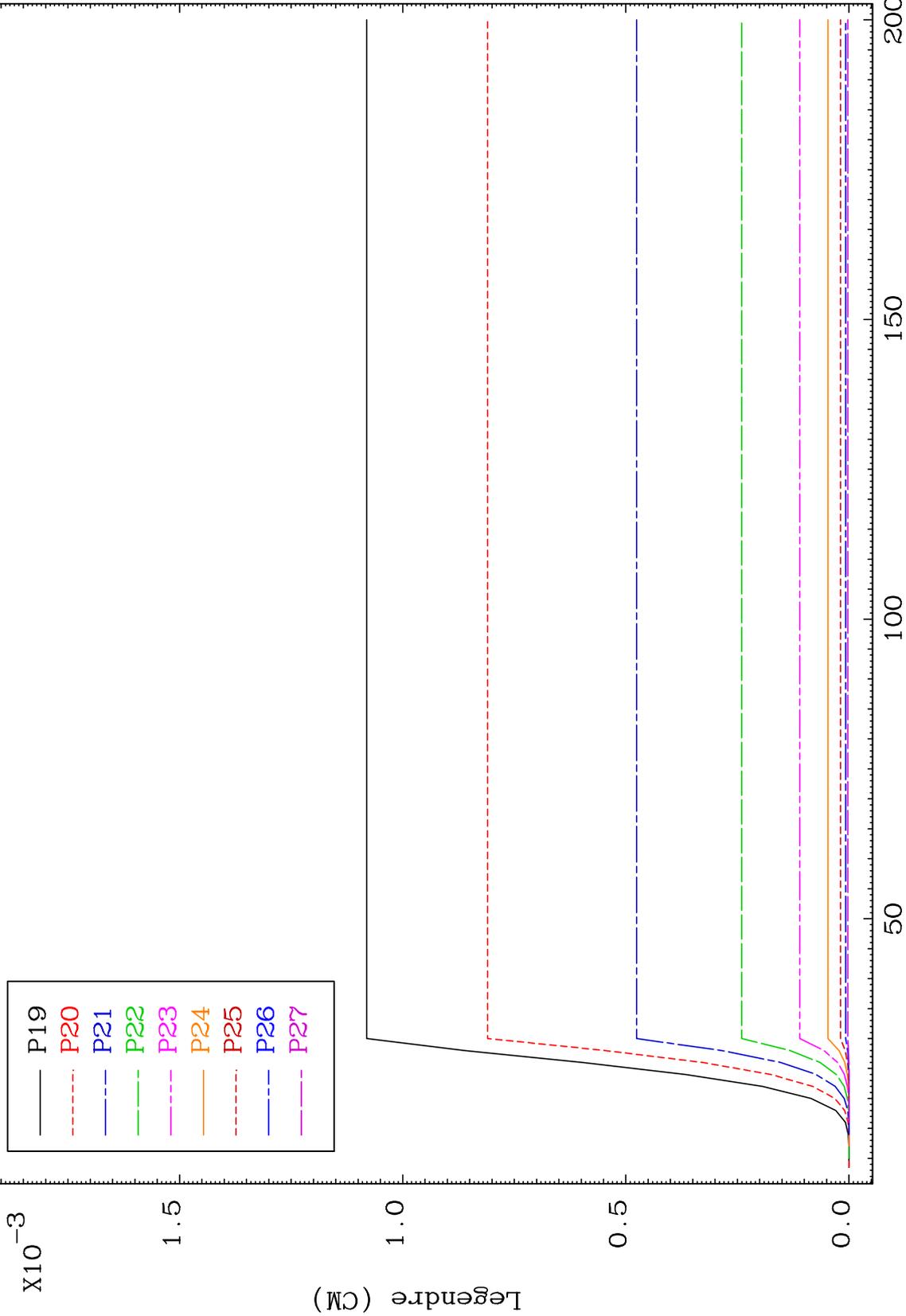
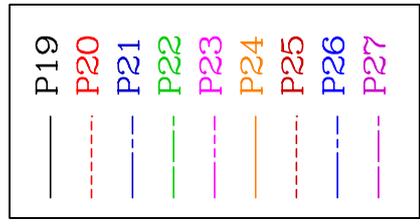
71

50-Sn-116

MAT 5037

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

50-Sn-116



72

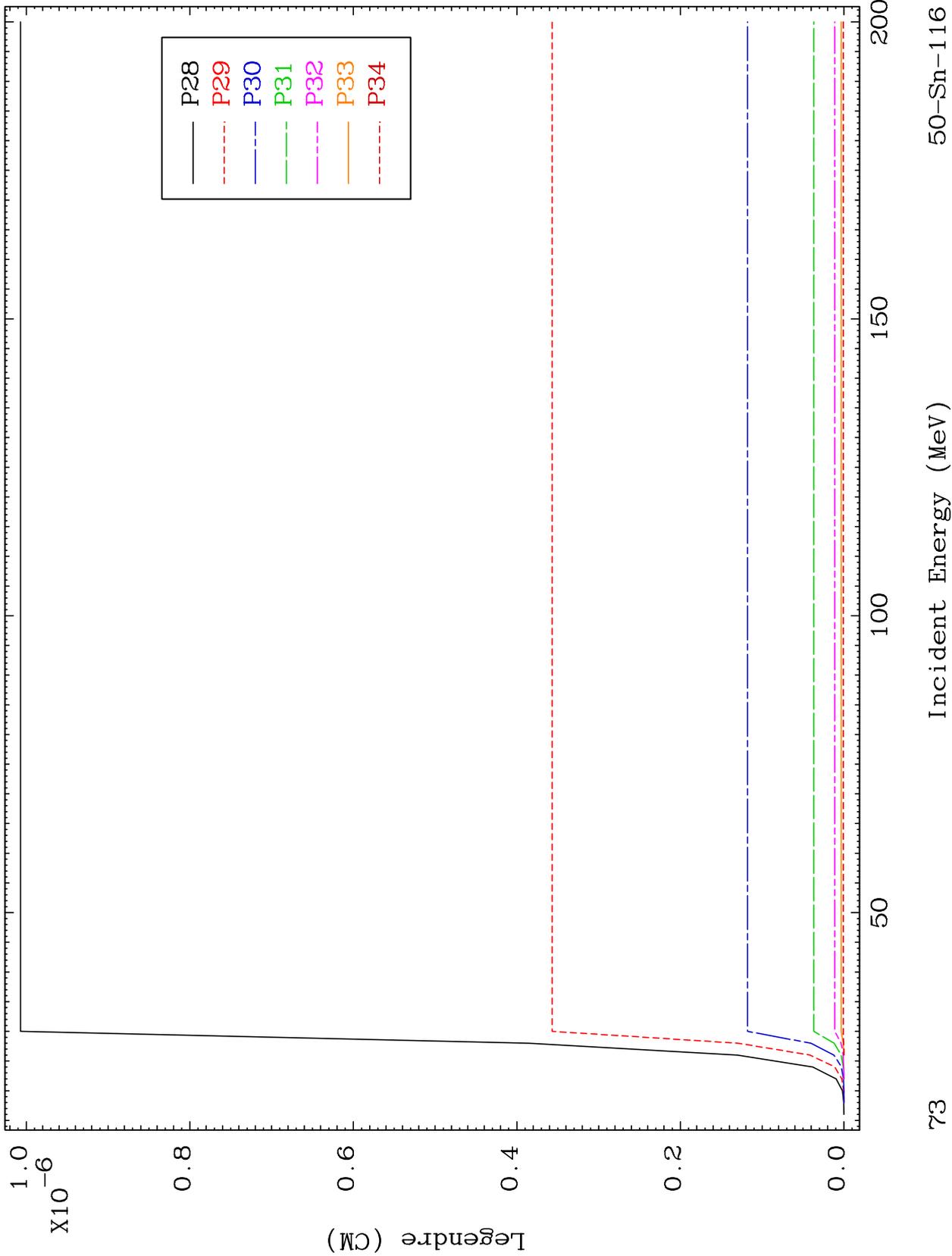
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



73

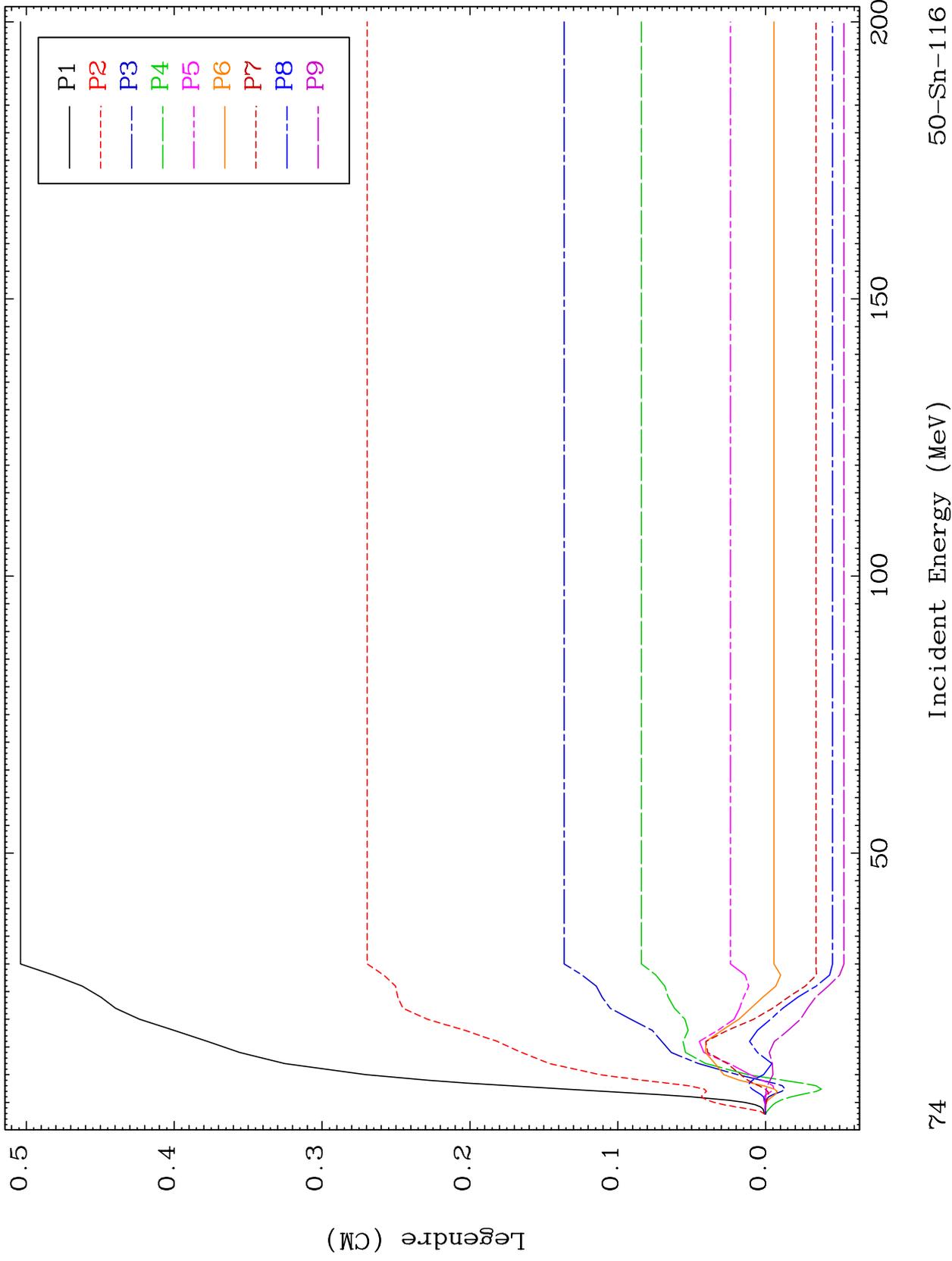
Incident Energy (MeV)

50-Sn-116

MAT 5037

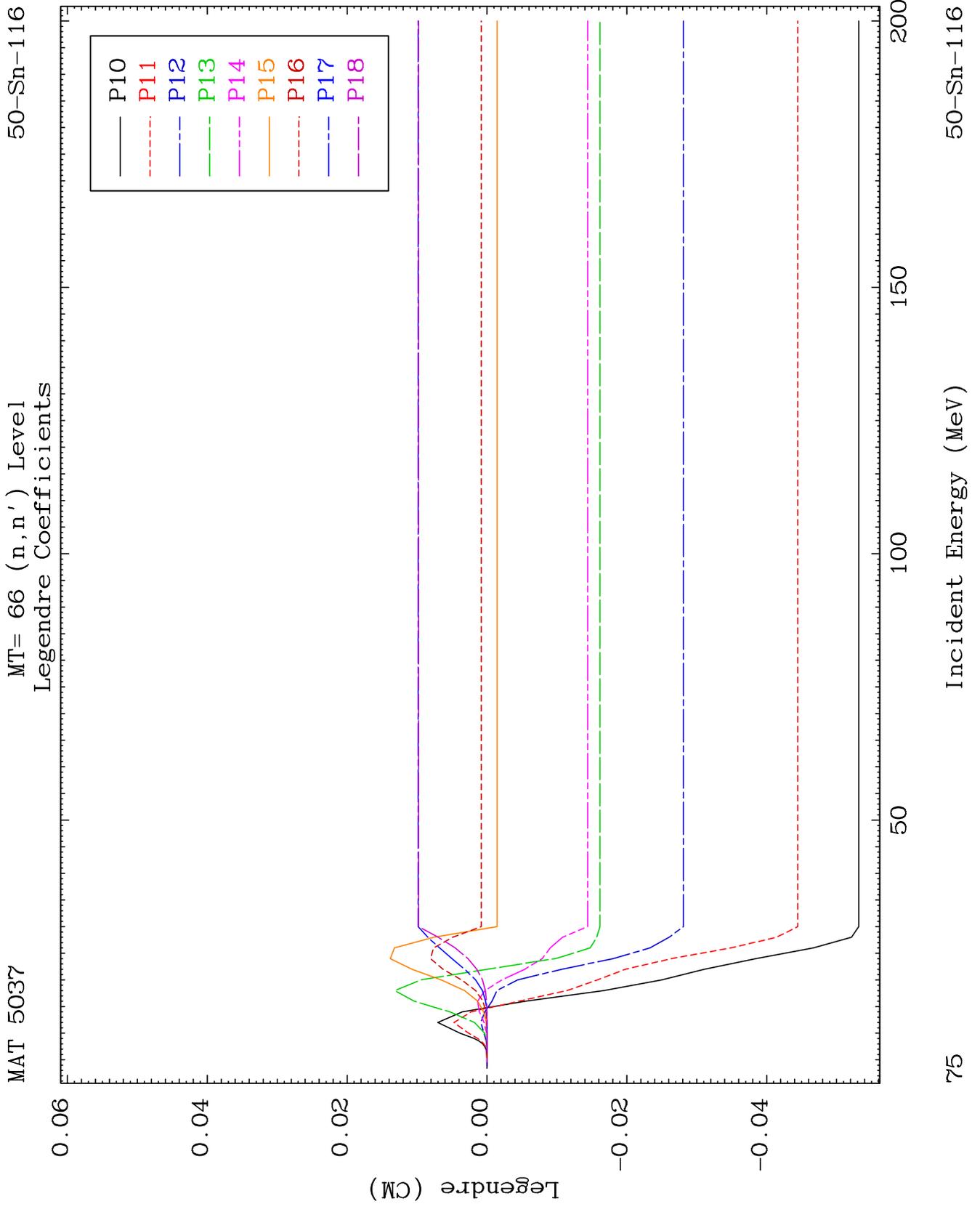
MT= 66 (n,n') Level  
Legendre Coefficients

50-Sn-116



74

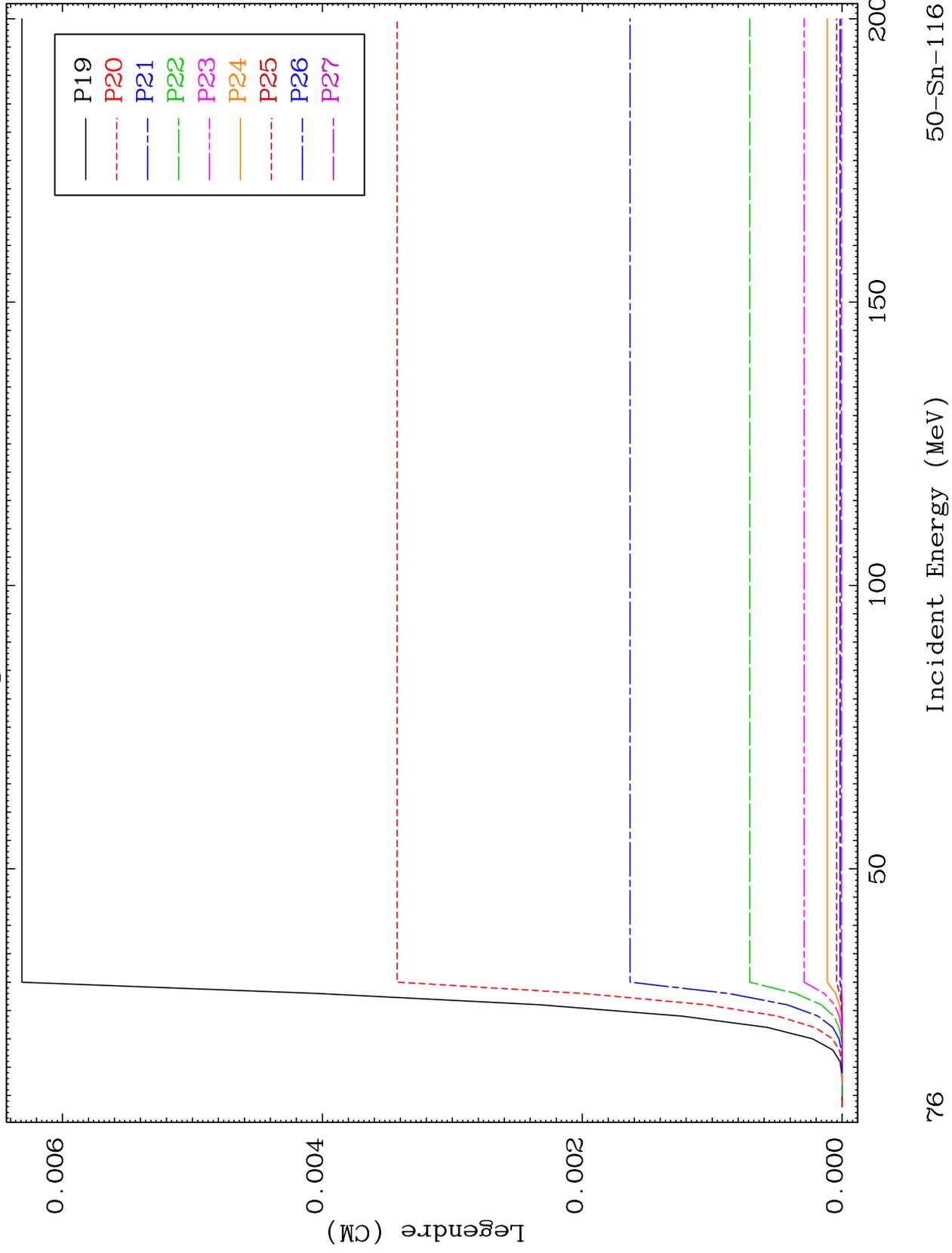
50-Sn-116



MAT 5037

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

50-Sn-116



76

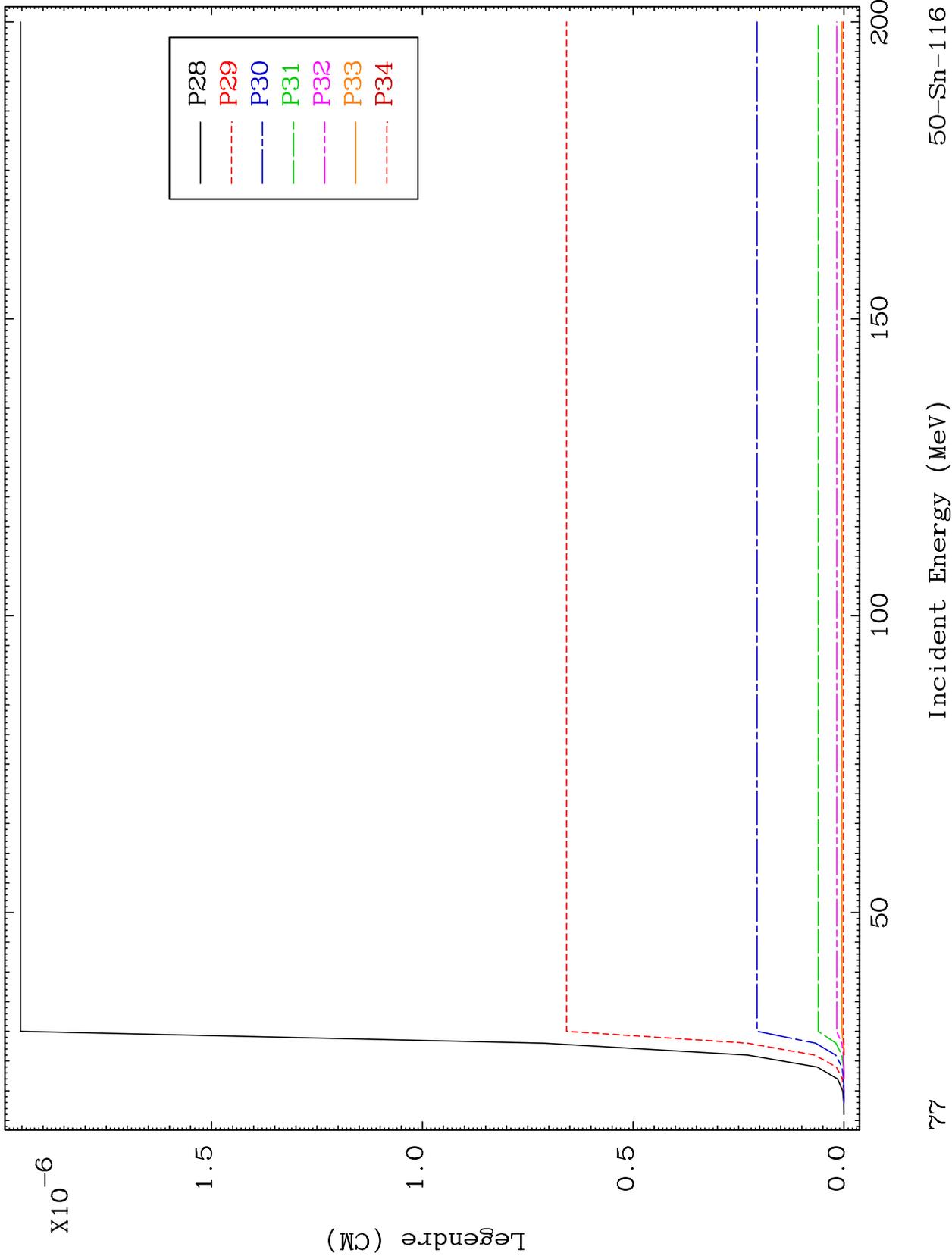
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



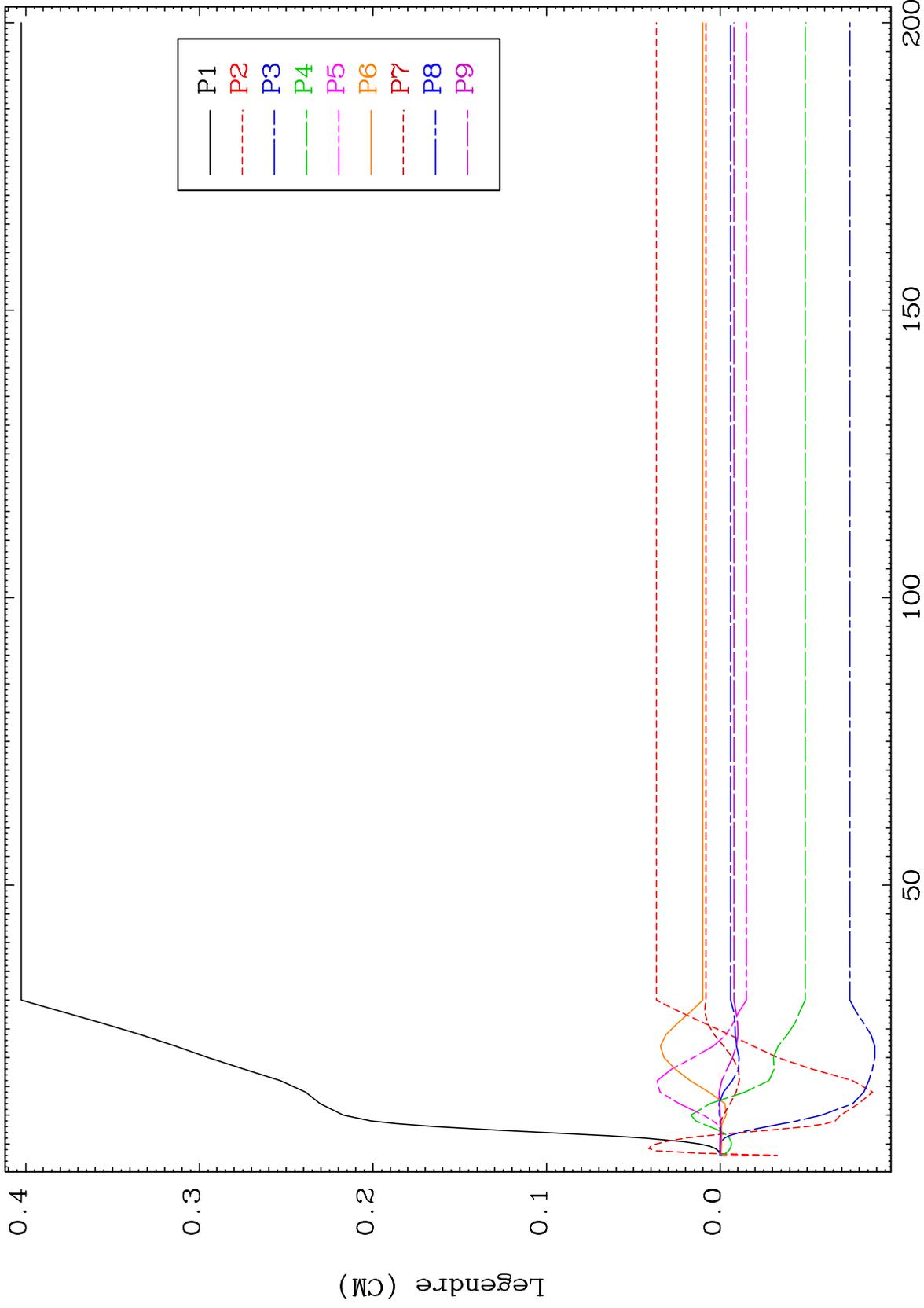
77

50-Sn-116

MAT 5037

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

50-Sn-116



78

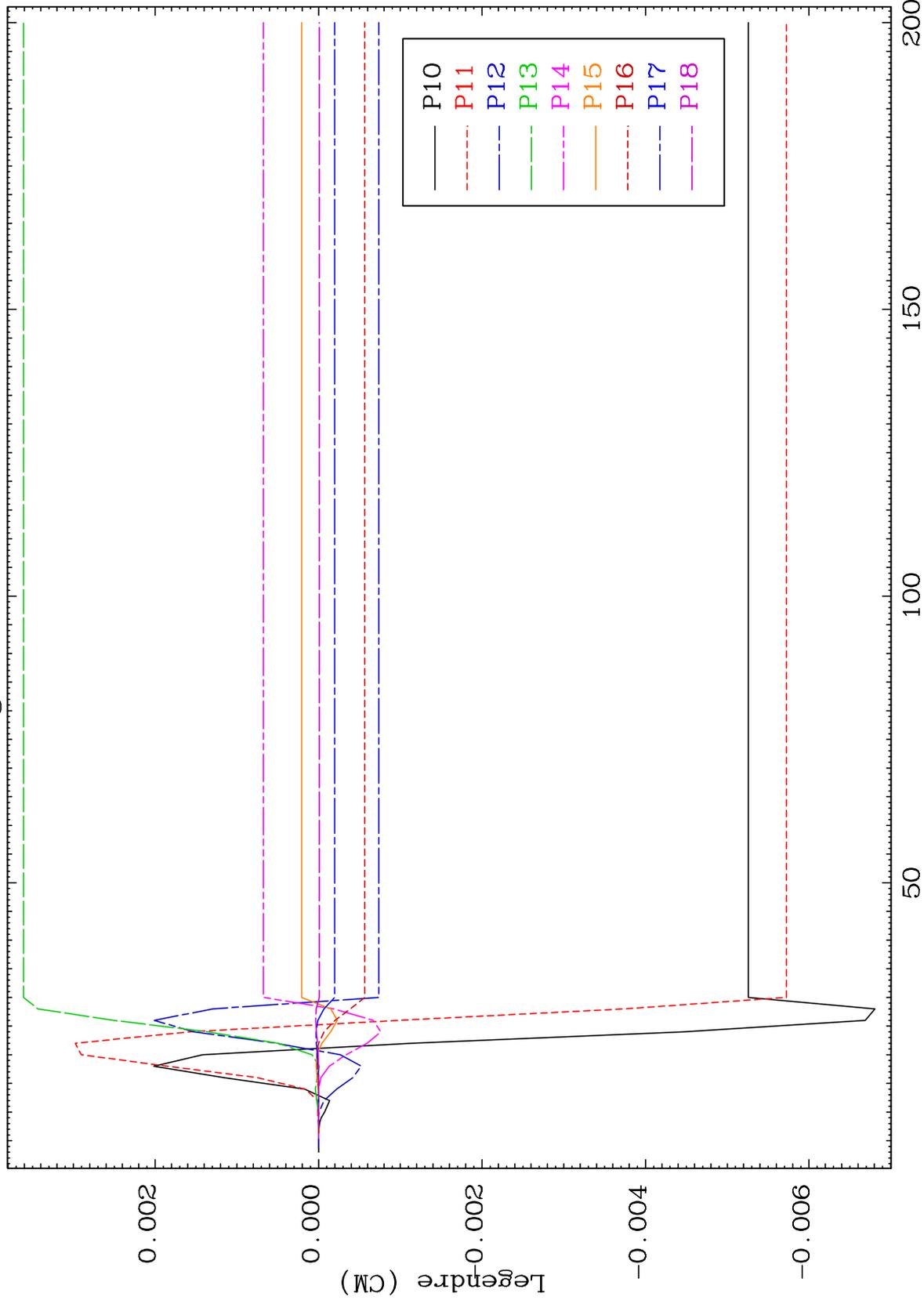
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



79

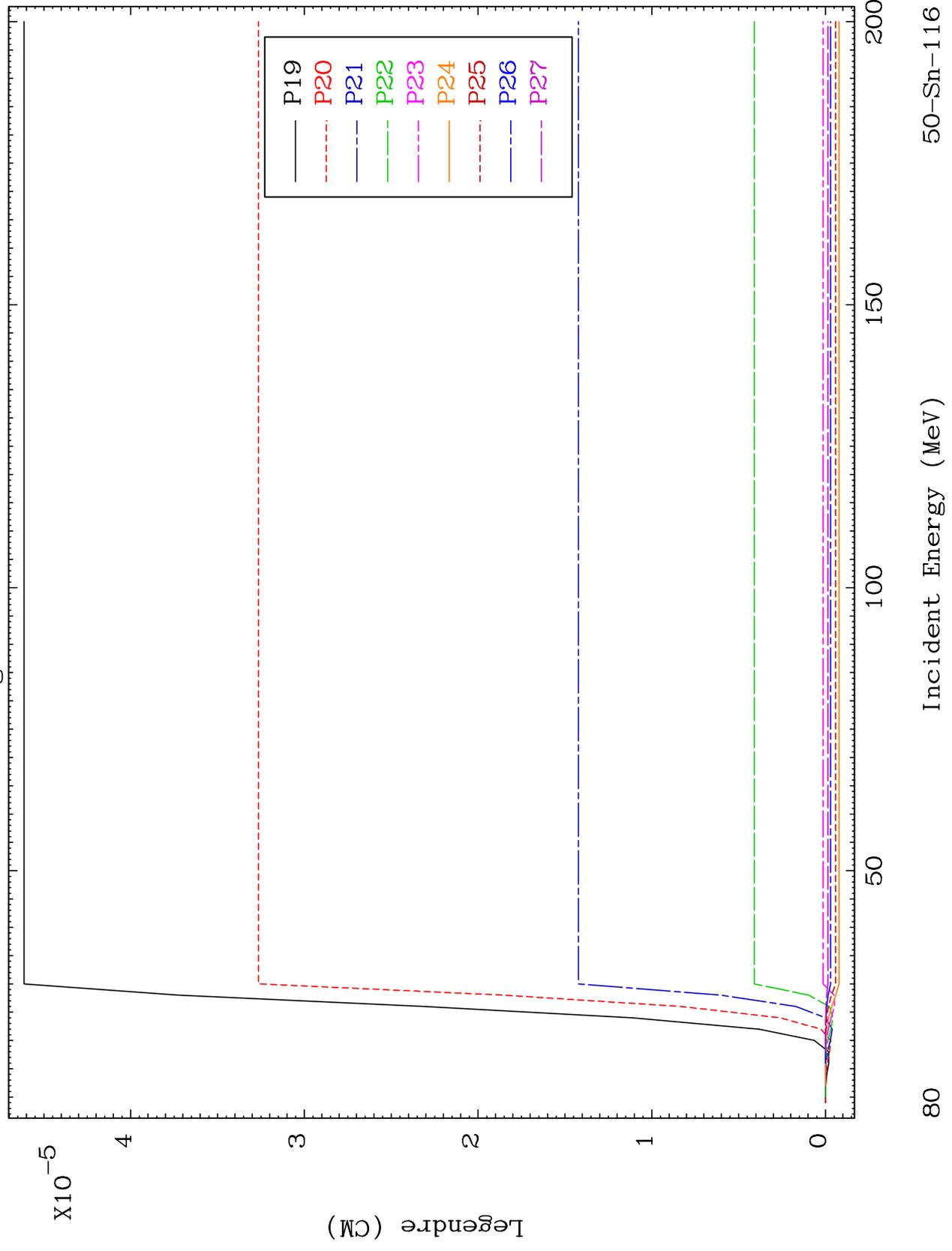
Incident Energy (MeV)

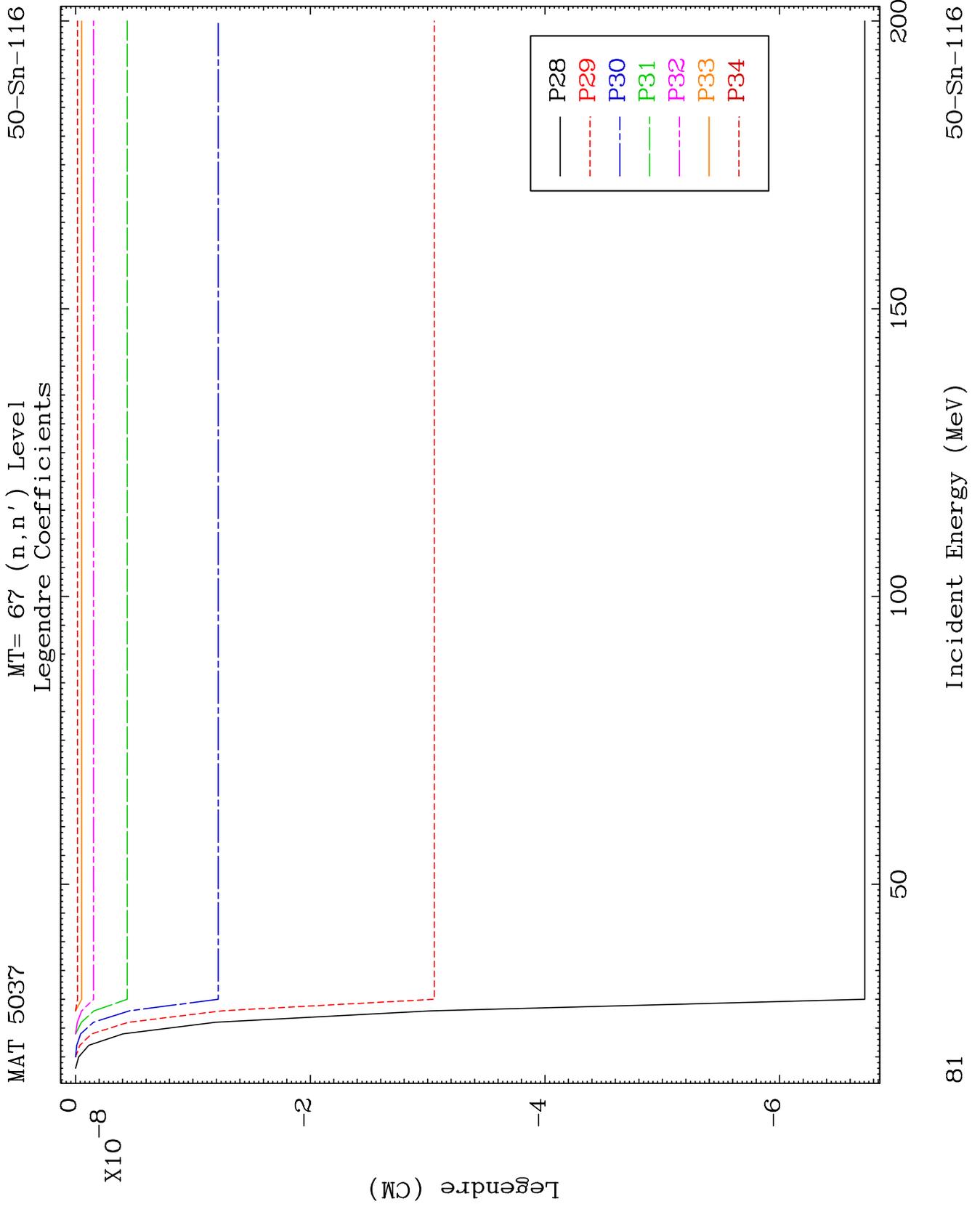
50-Sn-116

MAT 5037

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

50-Sn-116

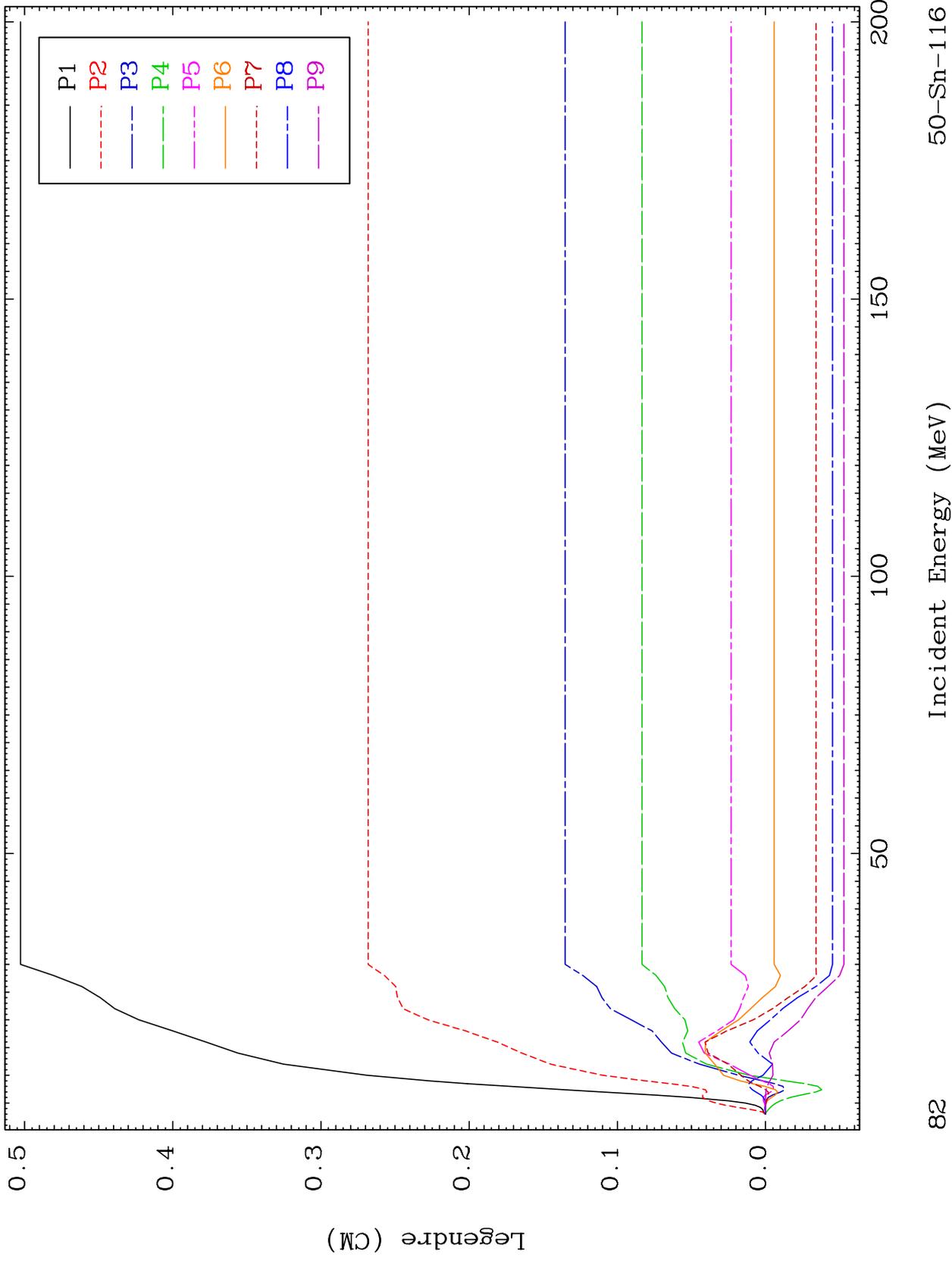


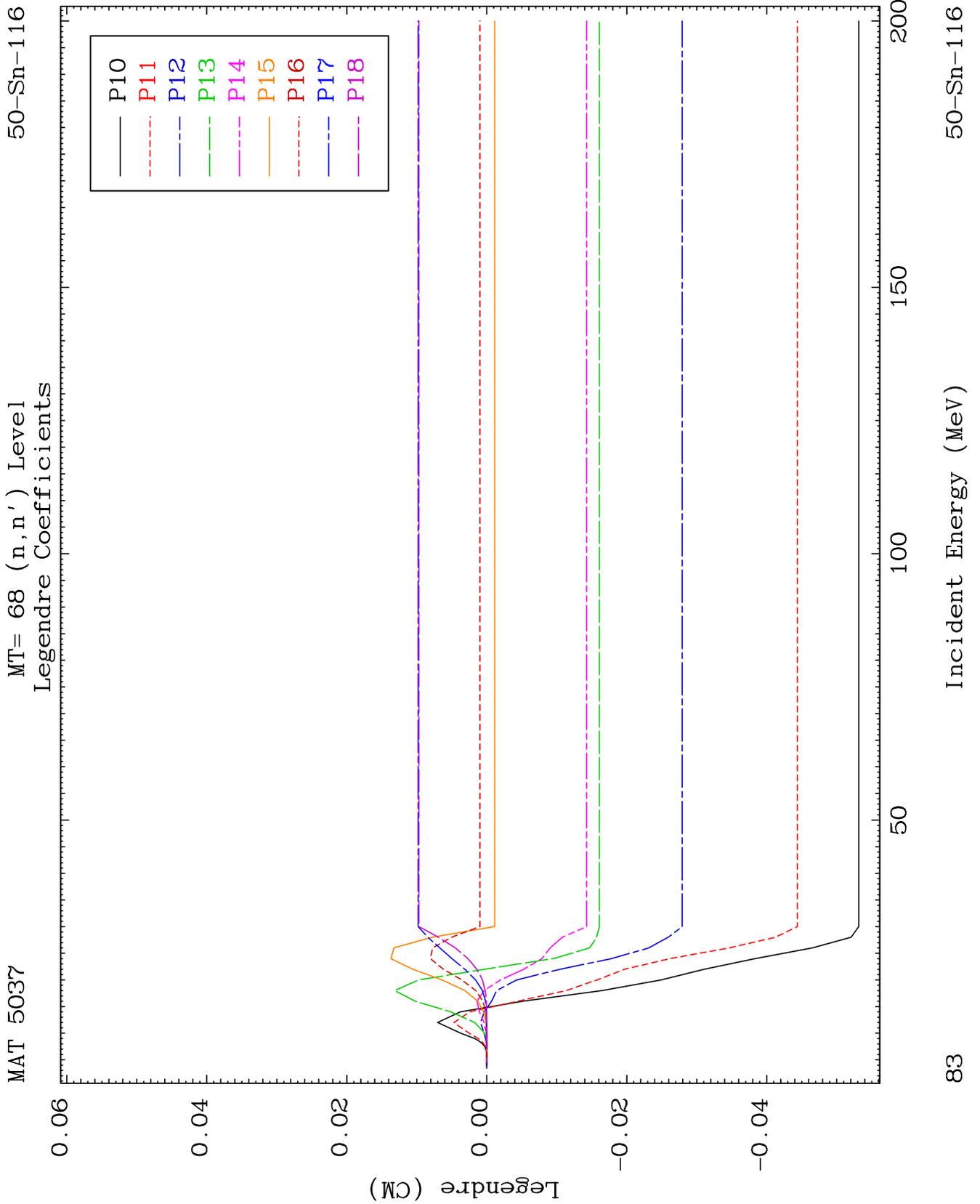


MAT 5037

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

50-Sn-116

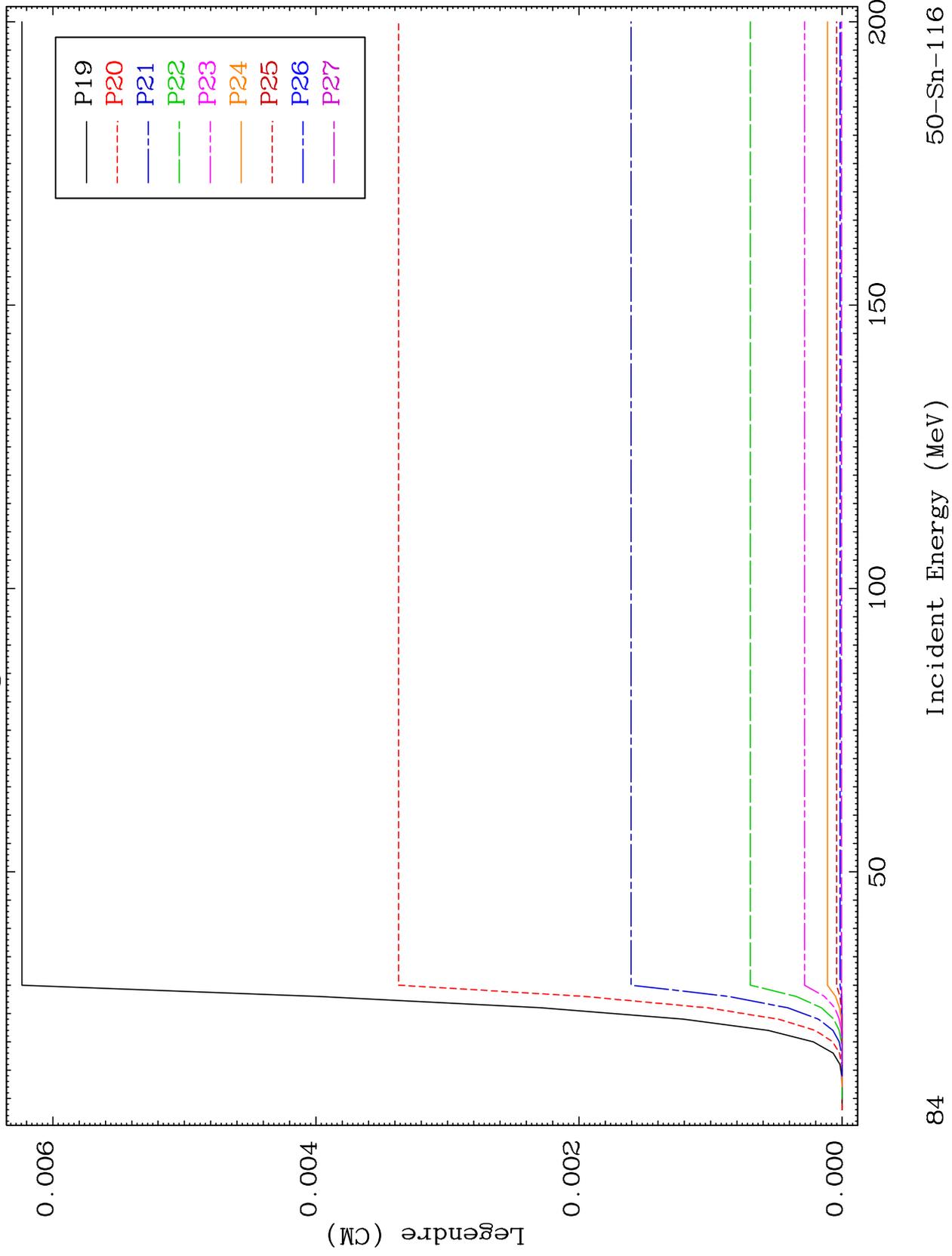




MAT 5037

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

50-Sn-116



84

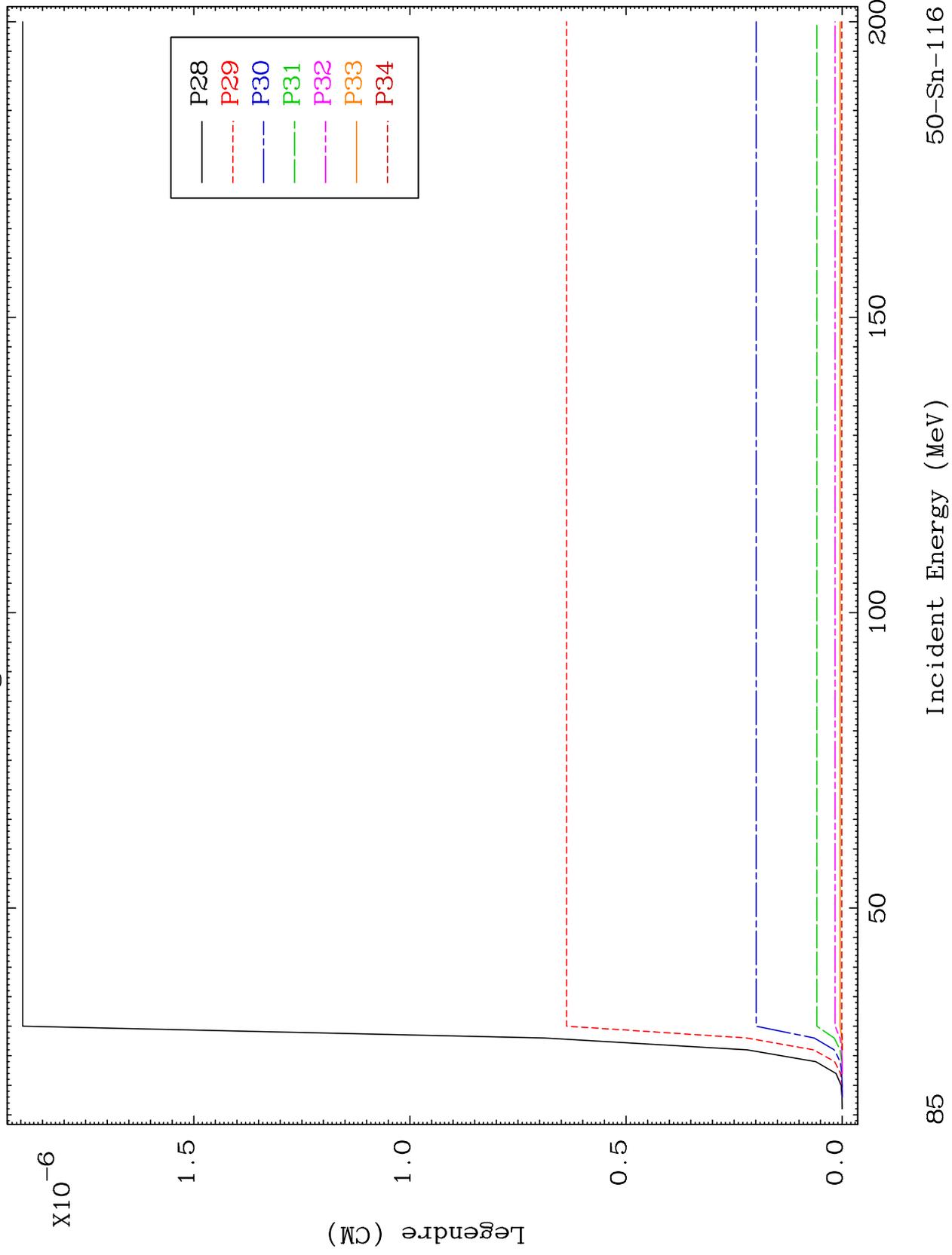
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



85

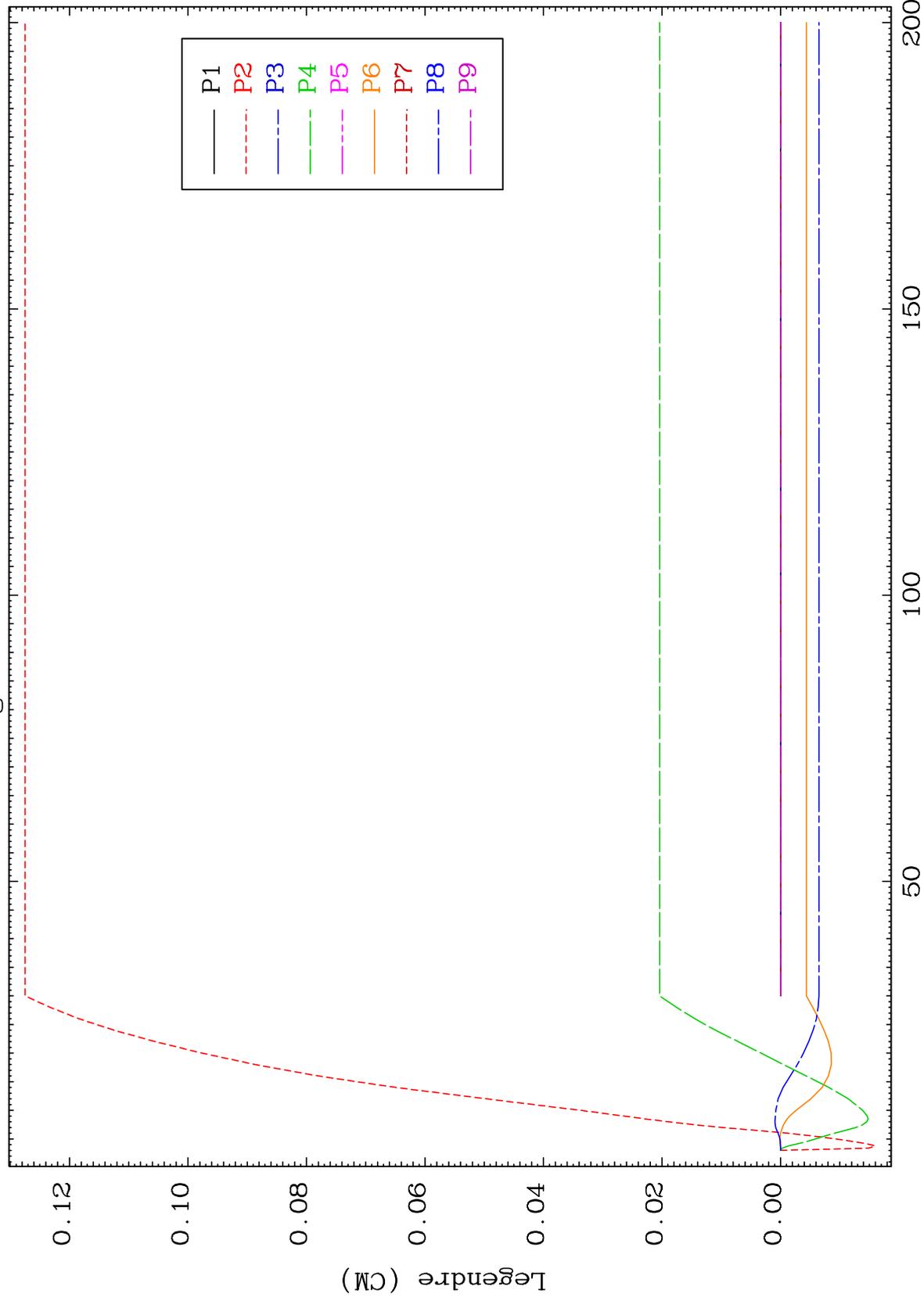
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

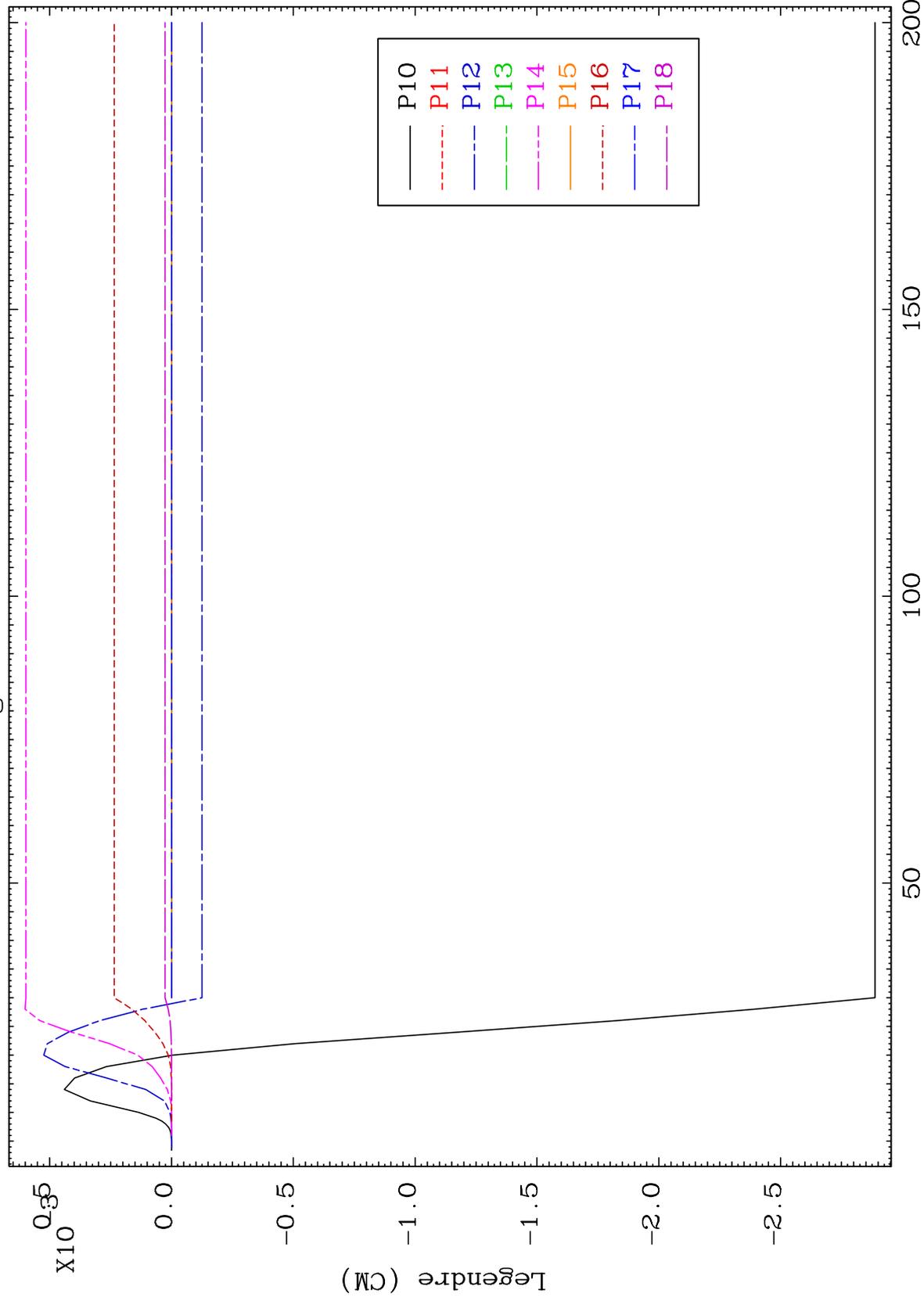
50-Sn-116



MAT 5037

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

50-Sn-116

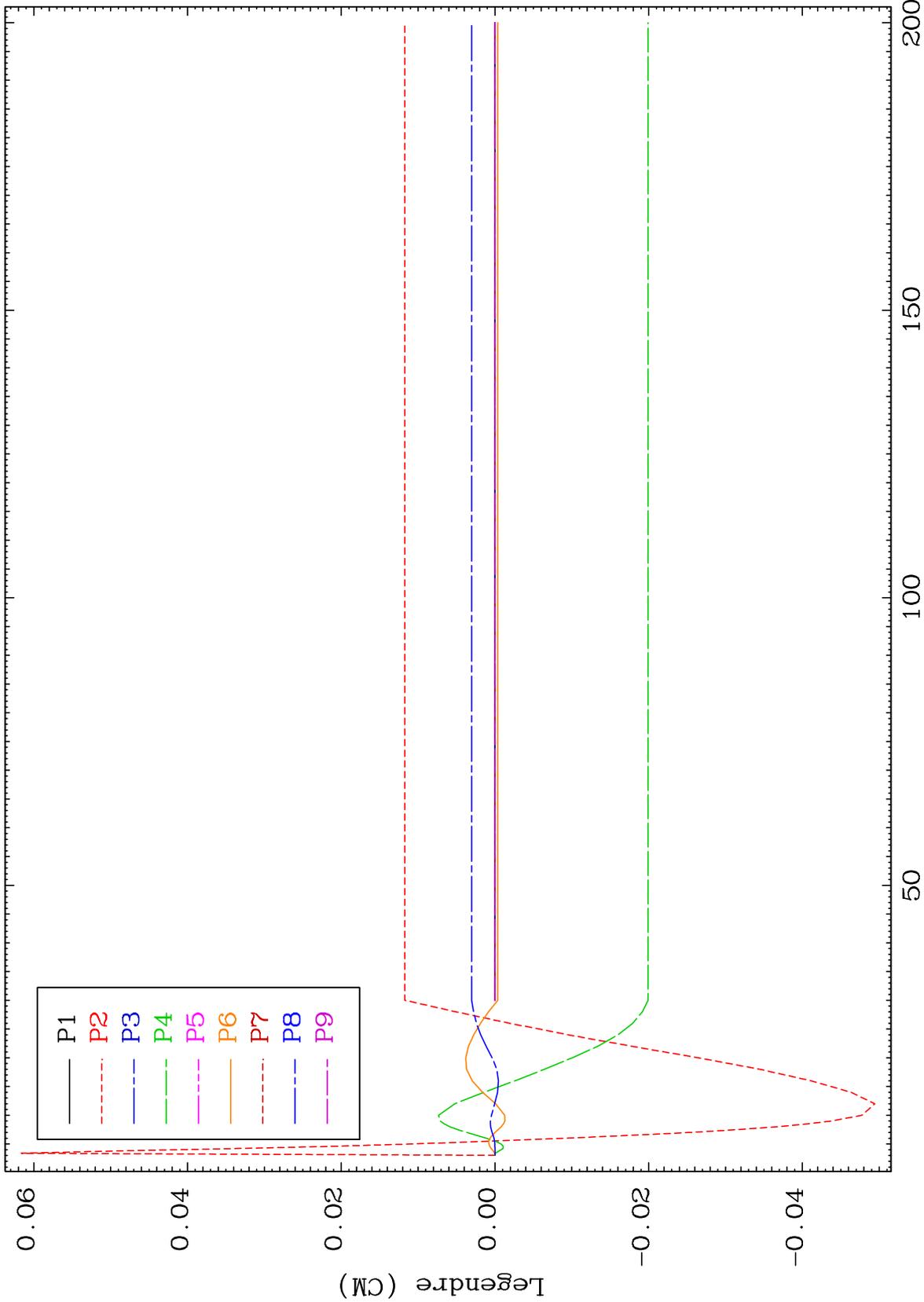




MAT 5037

50-Sn-116

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



89

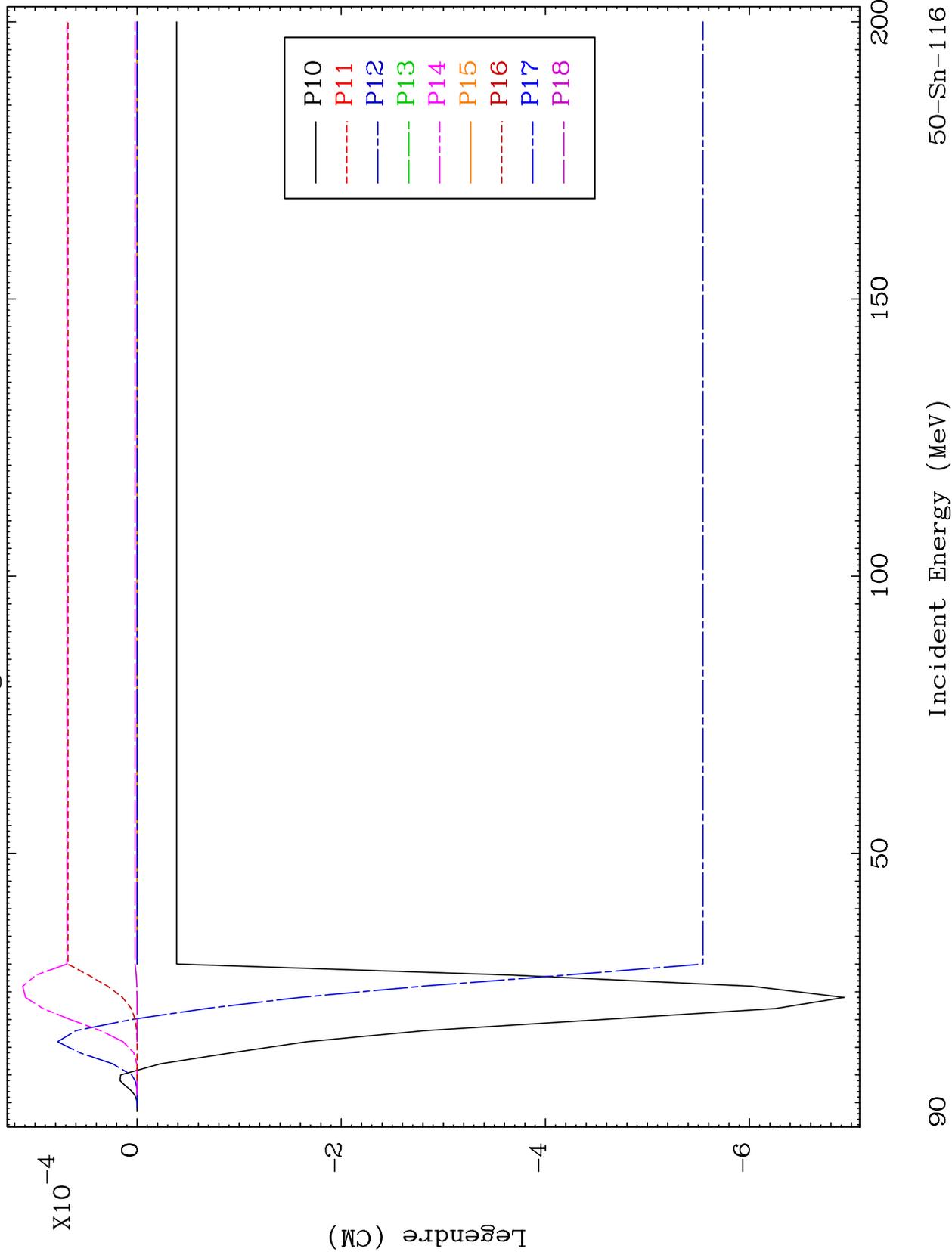
50-Sn-116

Incident Energy (MeV)

MAT 5037

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

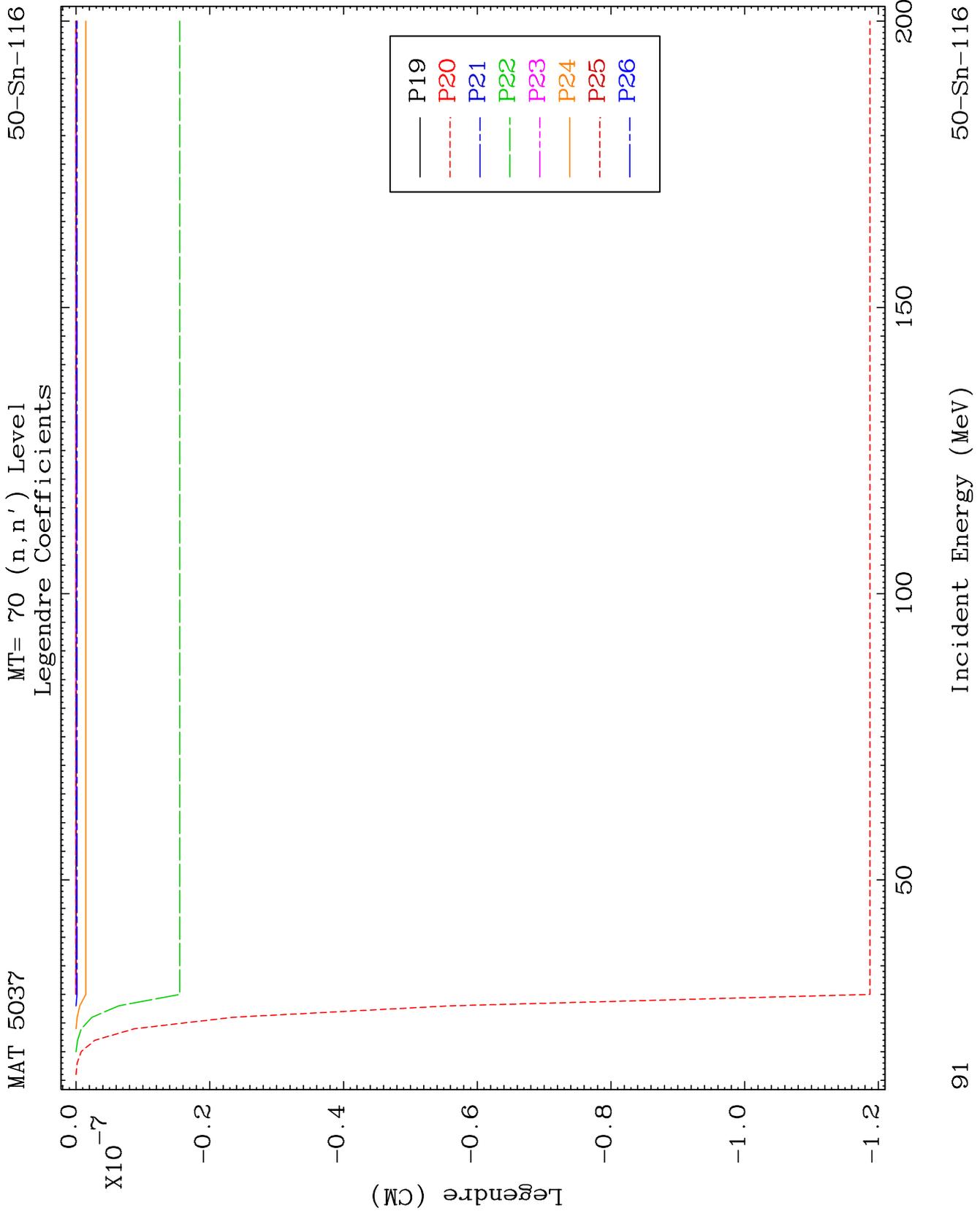
50-Sn-116



90

Incident Energy (MeV)

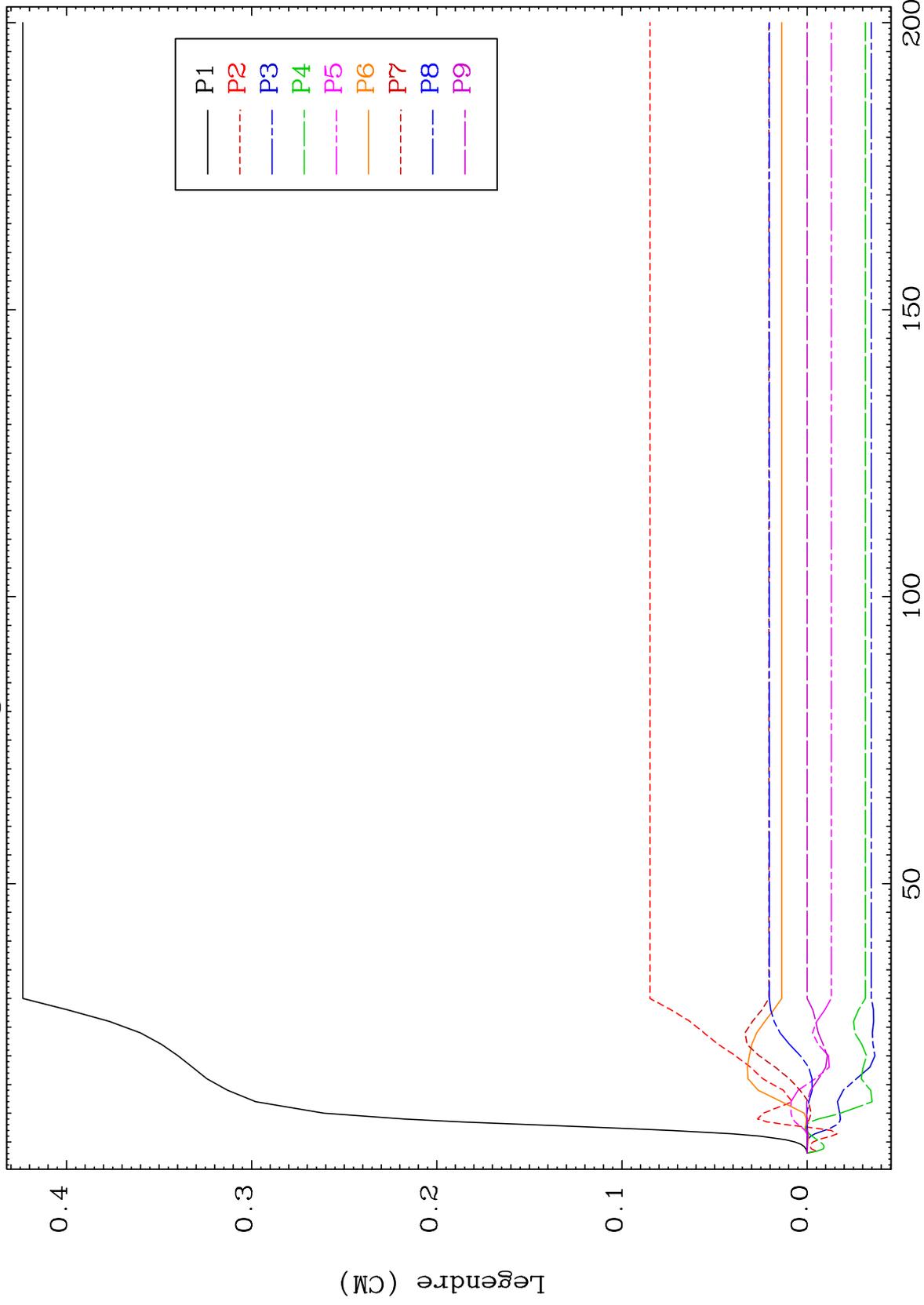
50-Sn-116



MAT 5037

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

50-Sn-116



92

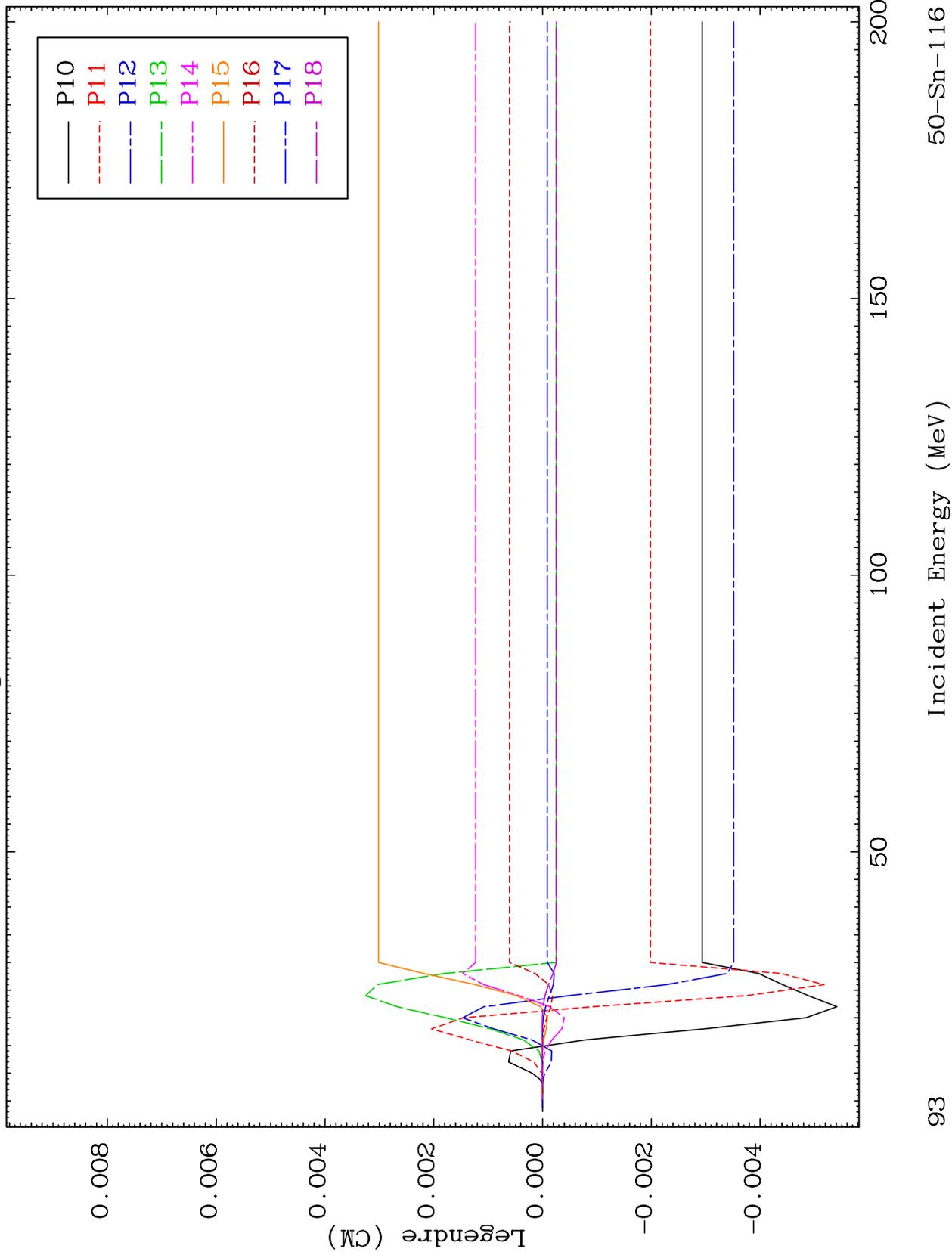
Incident Energy (MeV)

50-Sn-116

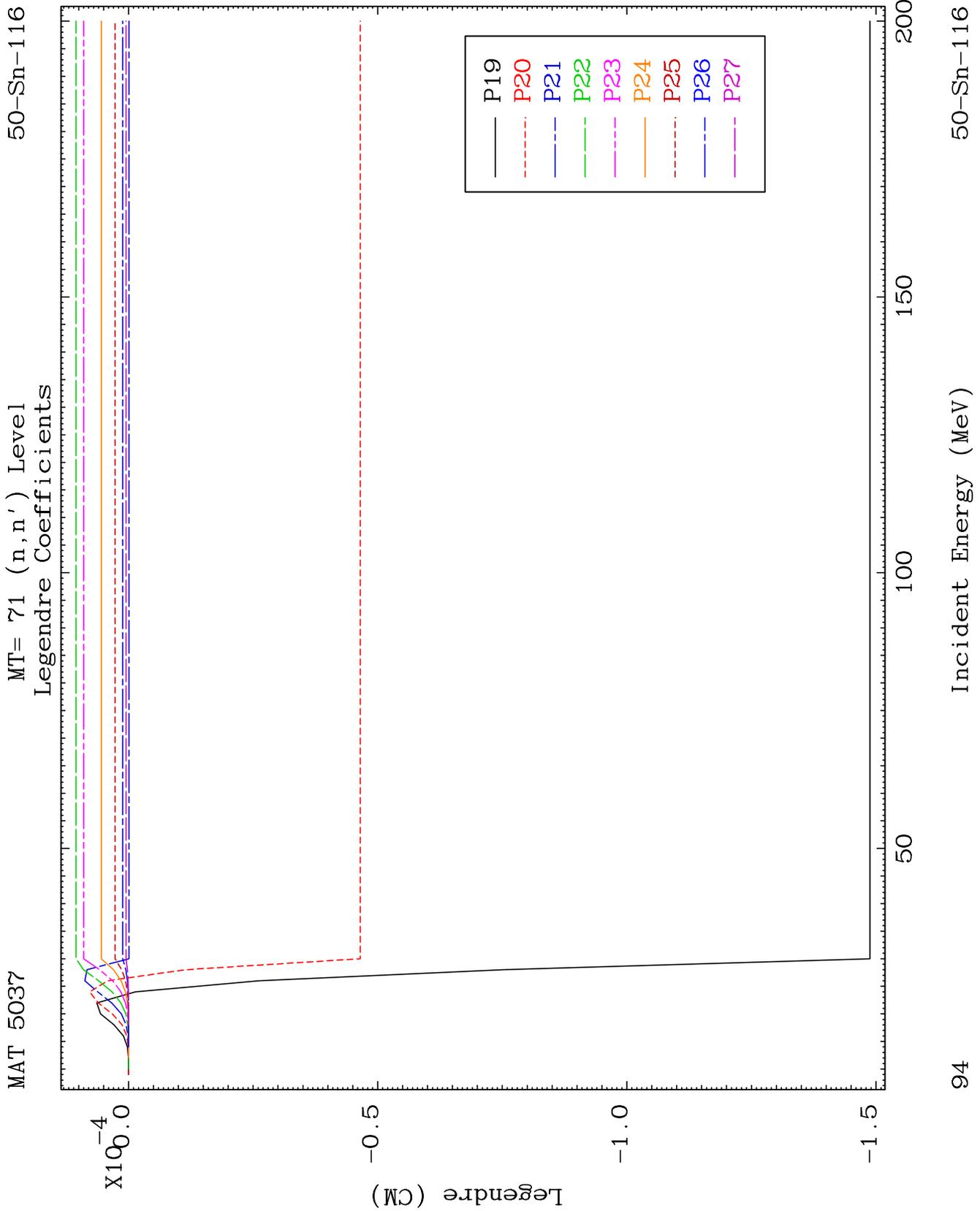
MAT 5037

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

50-Sn-116



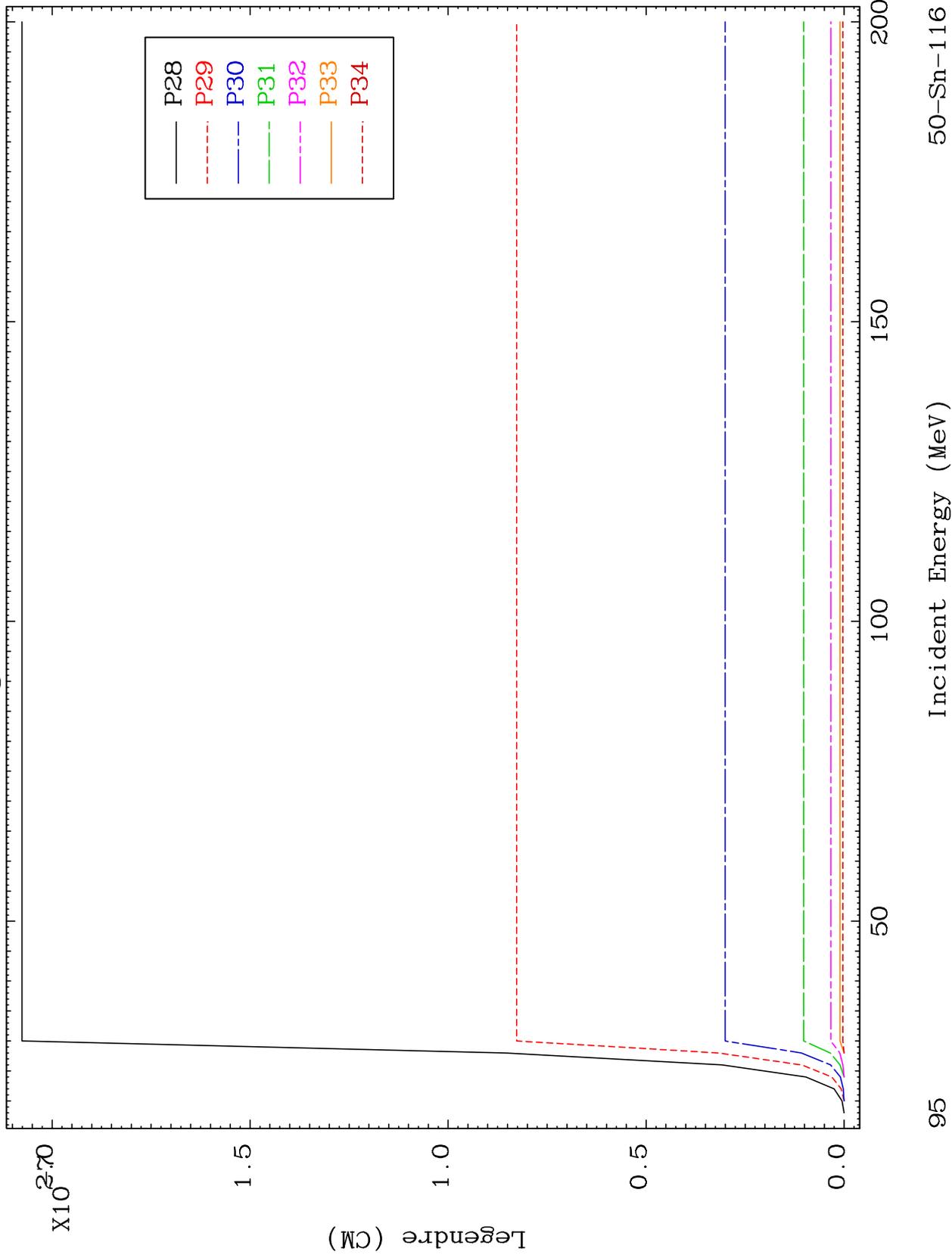
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MAT 5037

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

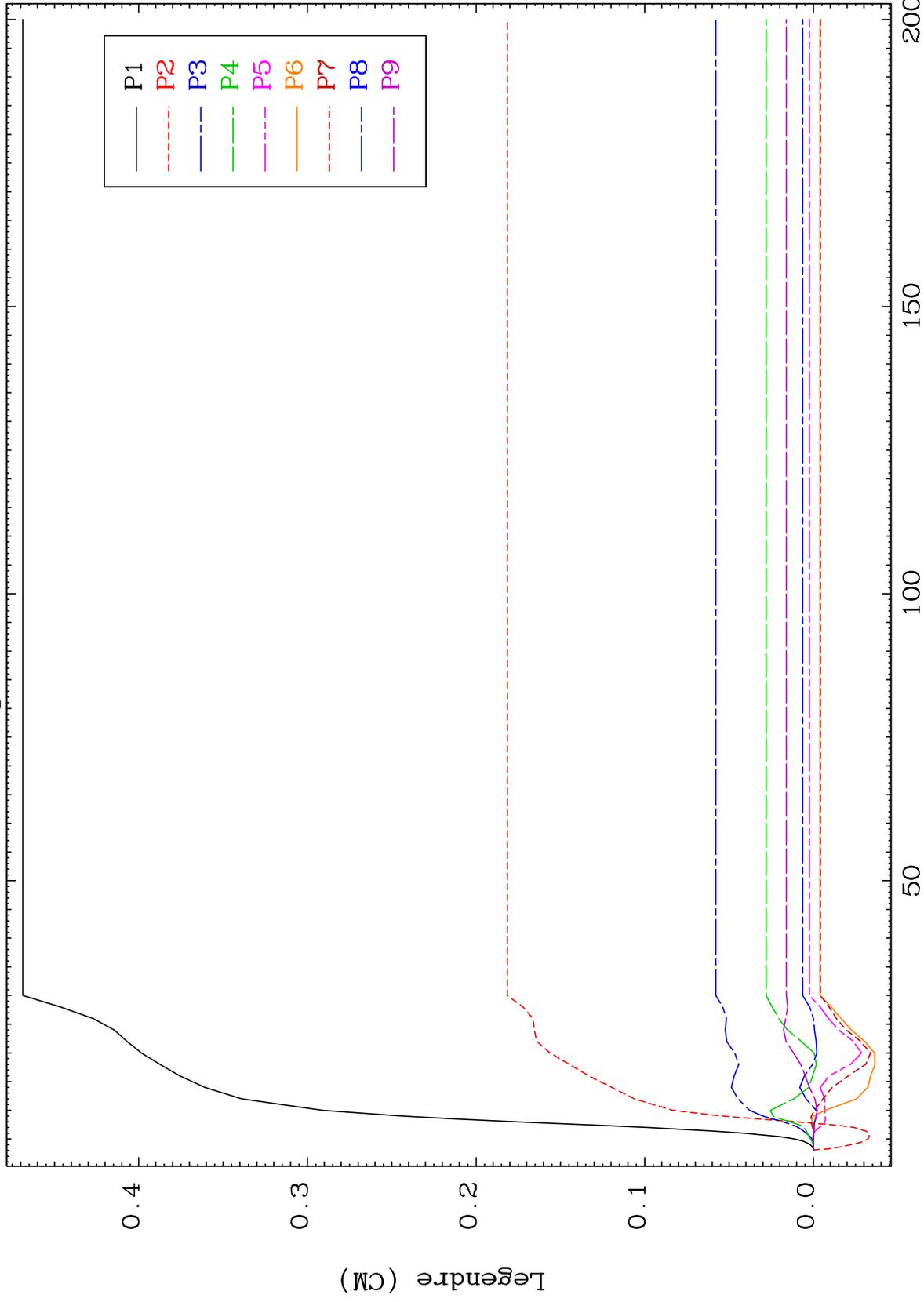
50-Sn-116



MAT 5037

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

50-Sn-116



96

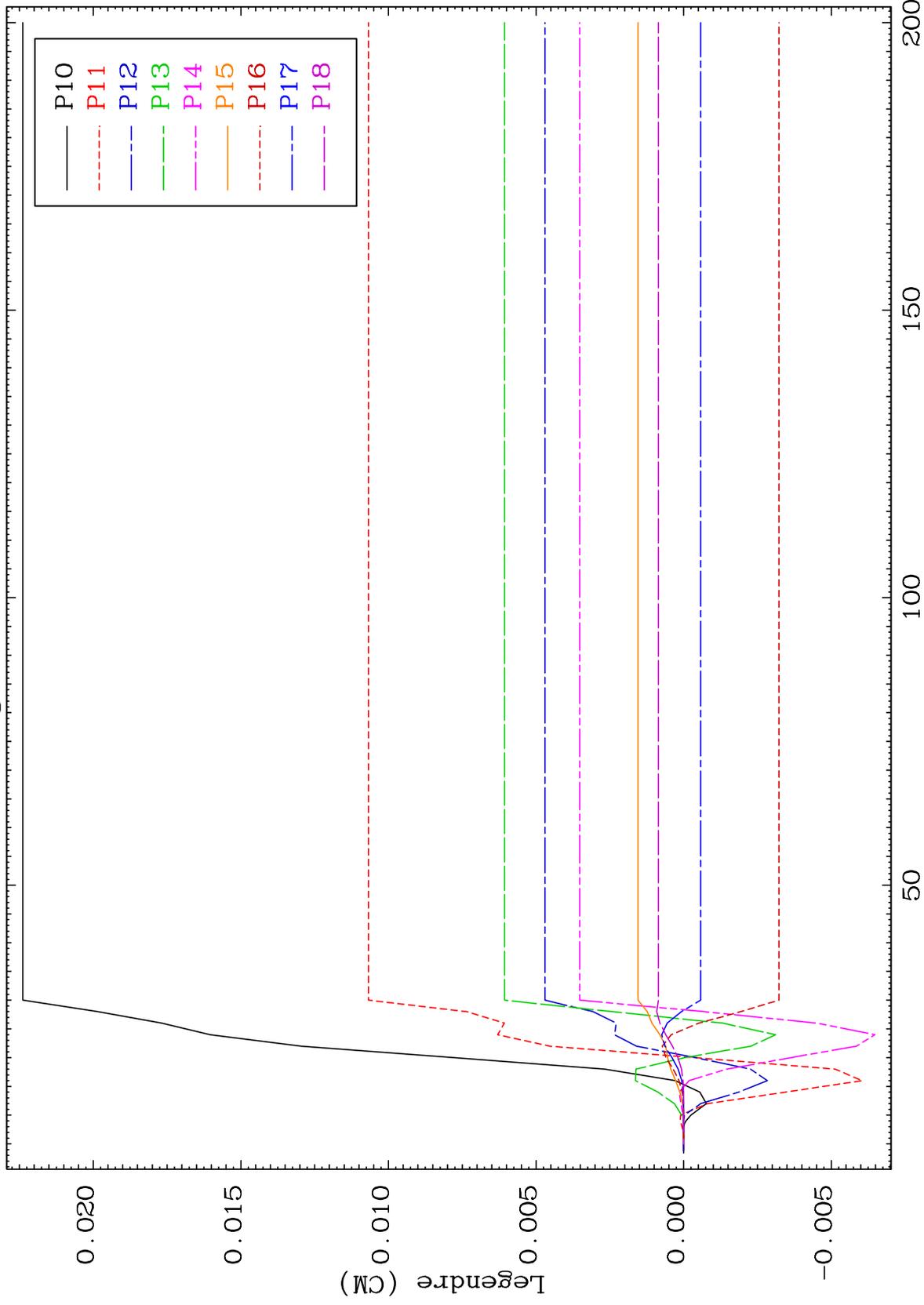
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



97

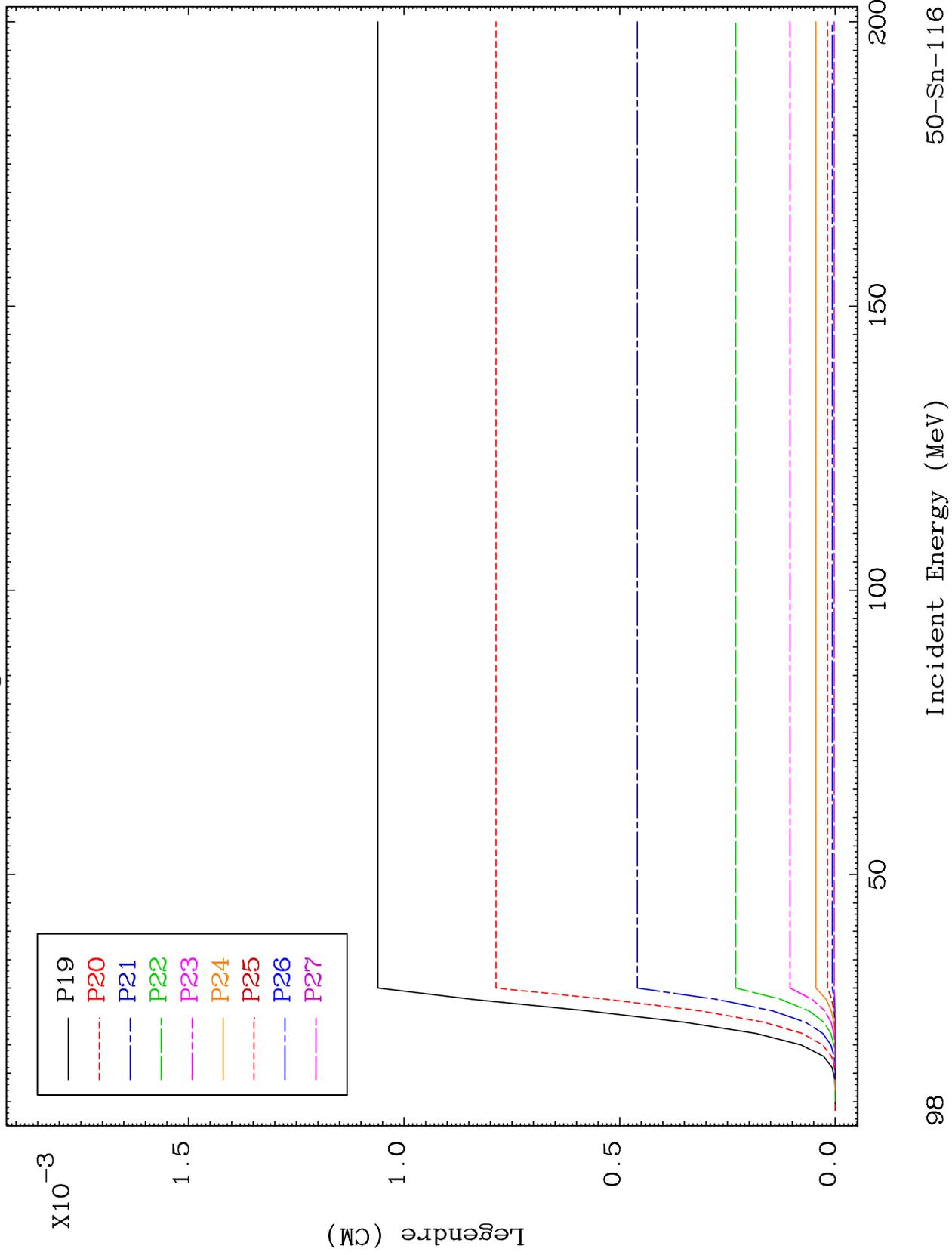
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



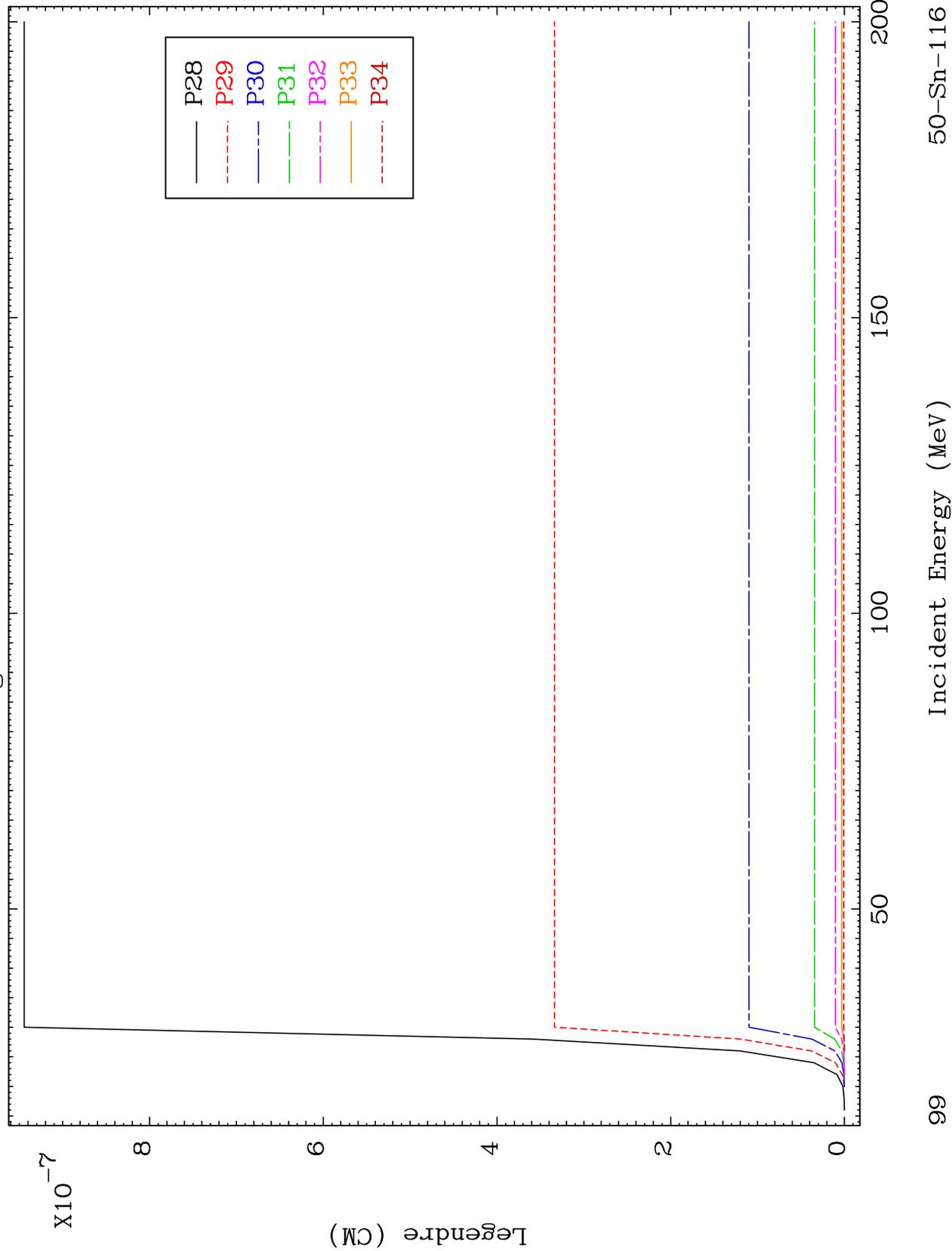
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50-Sn-116

MAT 5037

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

50-Sn-116

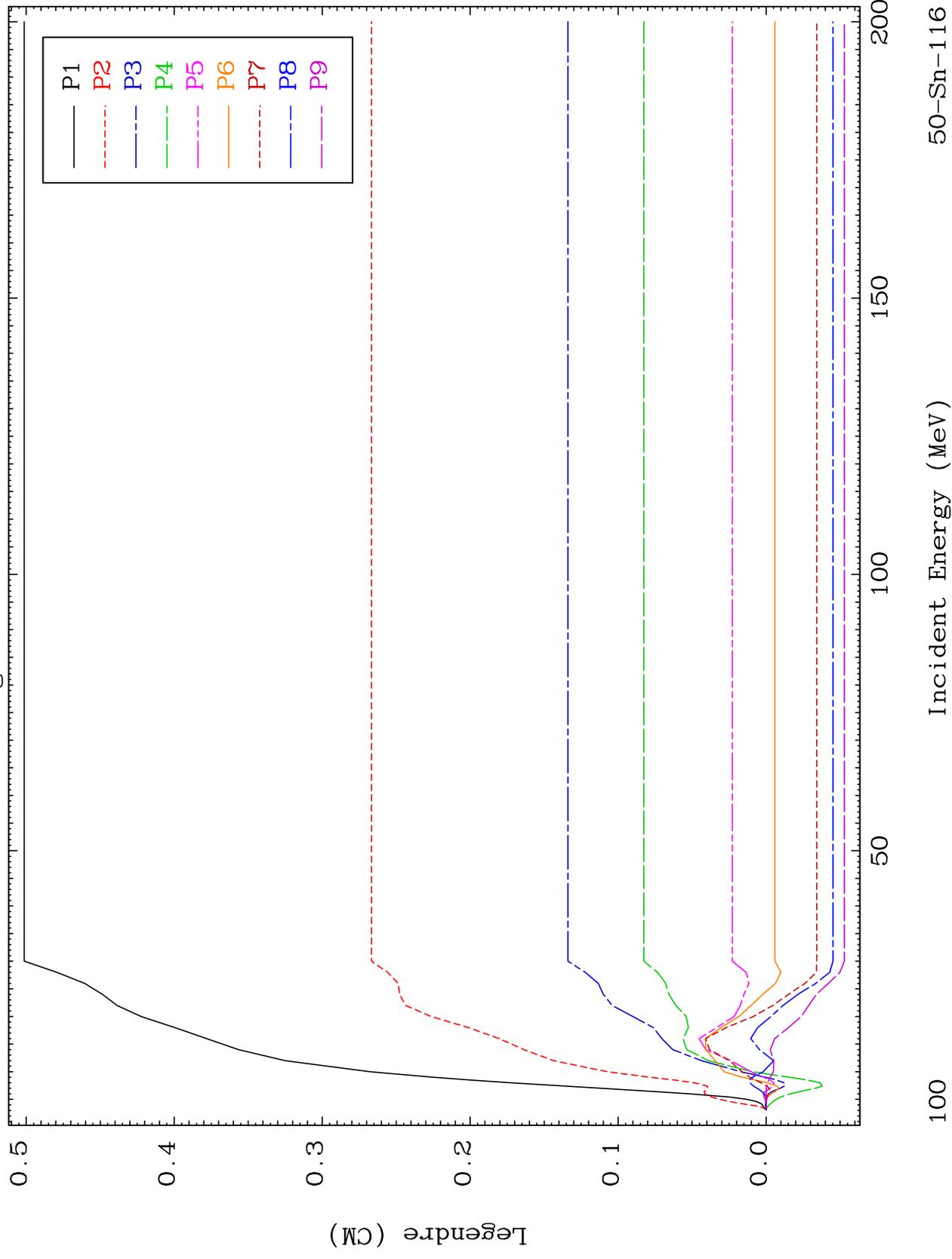


99

MAT 5037

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

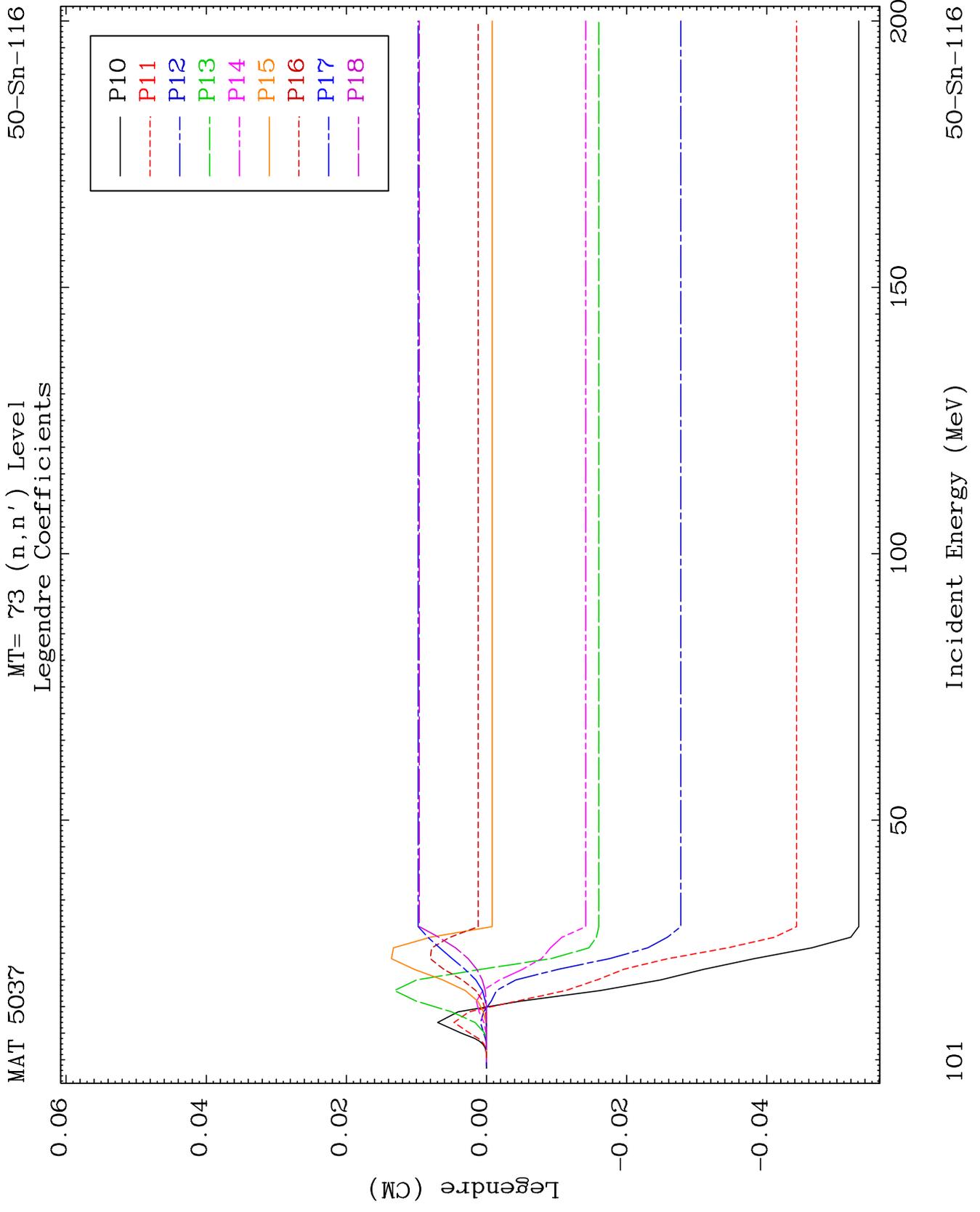
50-Sn-116



50-Sn-116

Incident Energy (MeV)

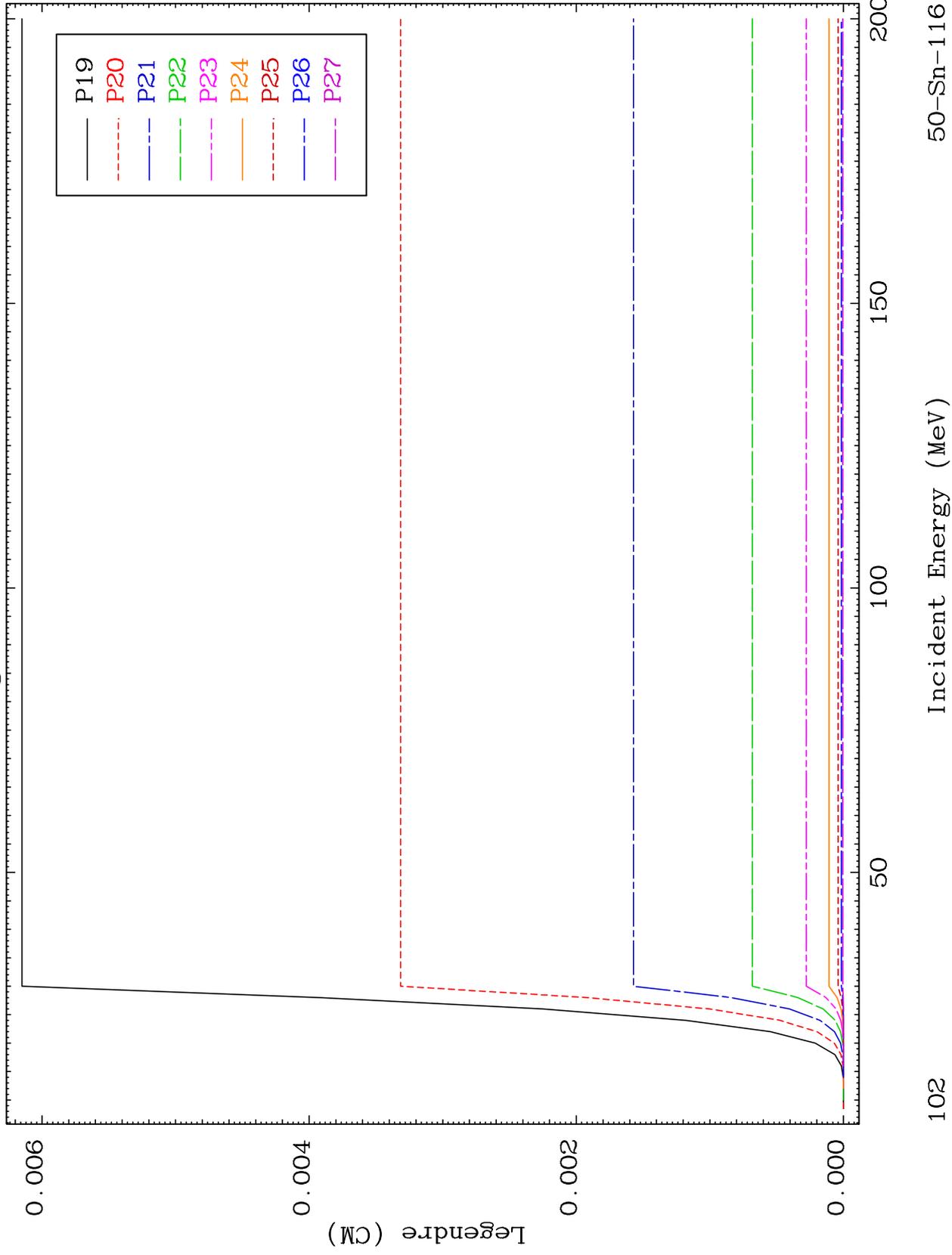
100



MAT 5037

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

50-Sn-116



102

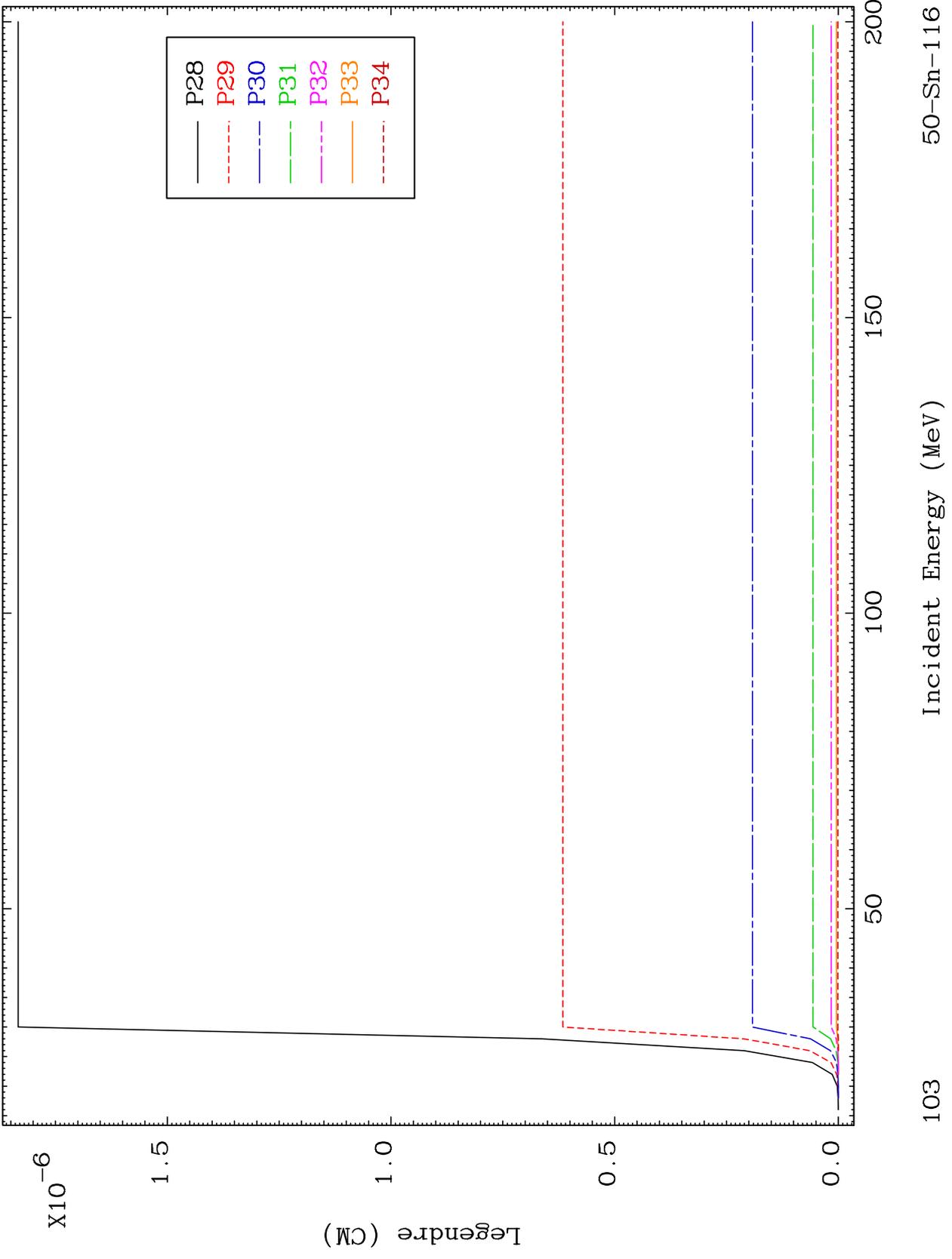
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

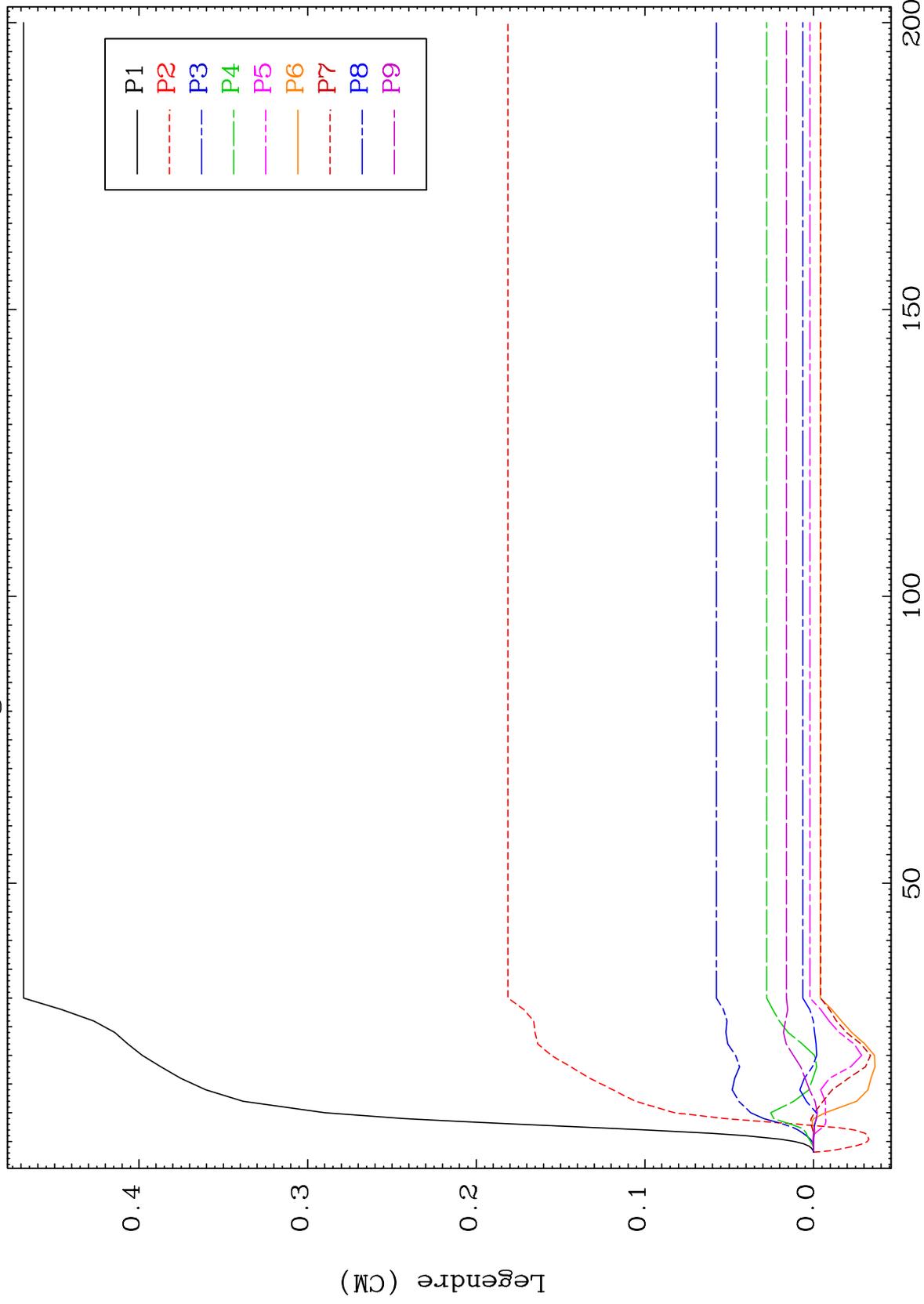
50-Sn-116



MAT 5037

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

50-Sn-116



104

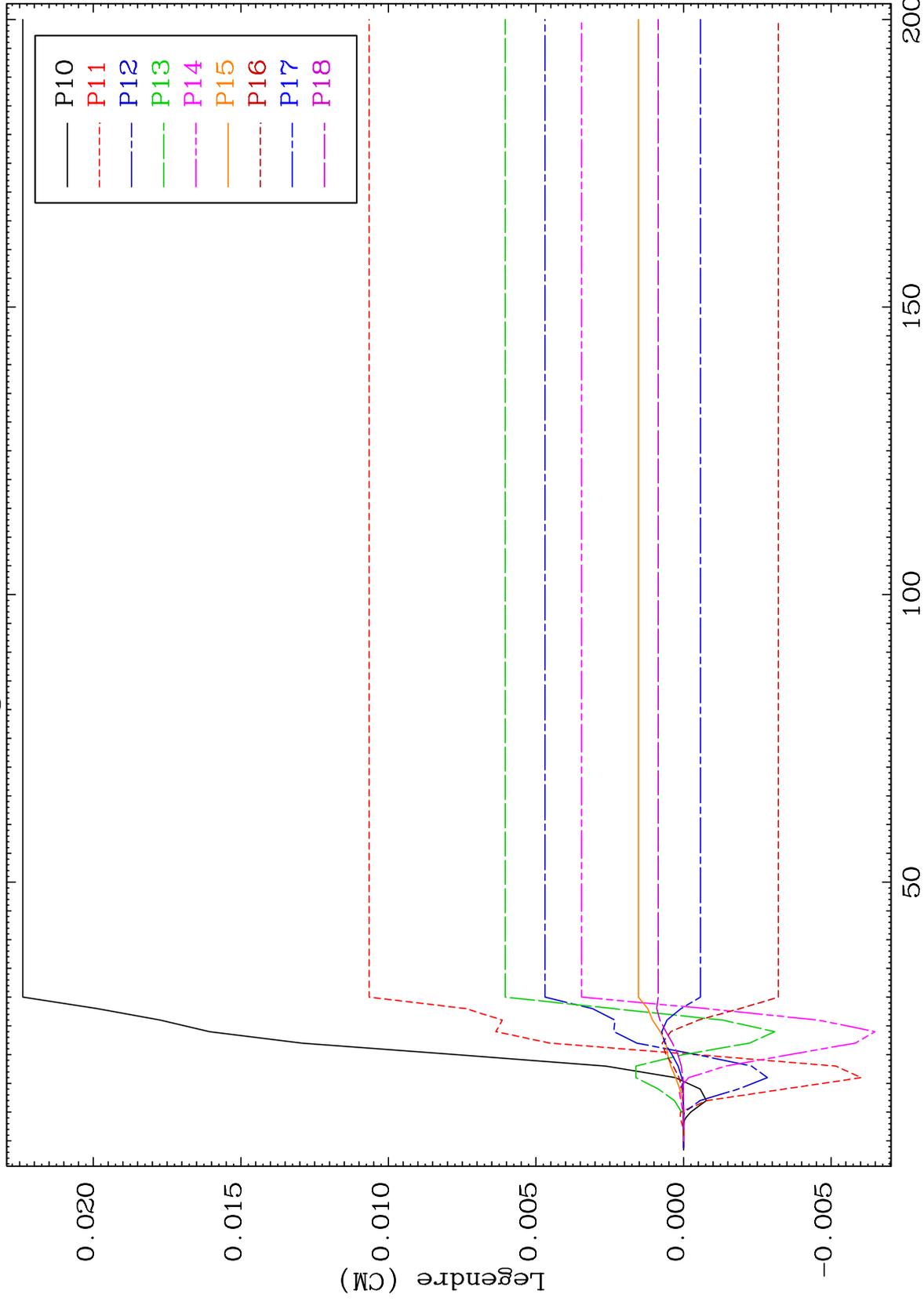
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



105

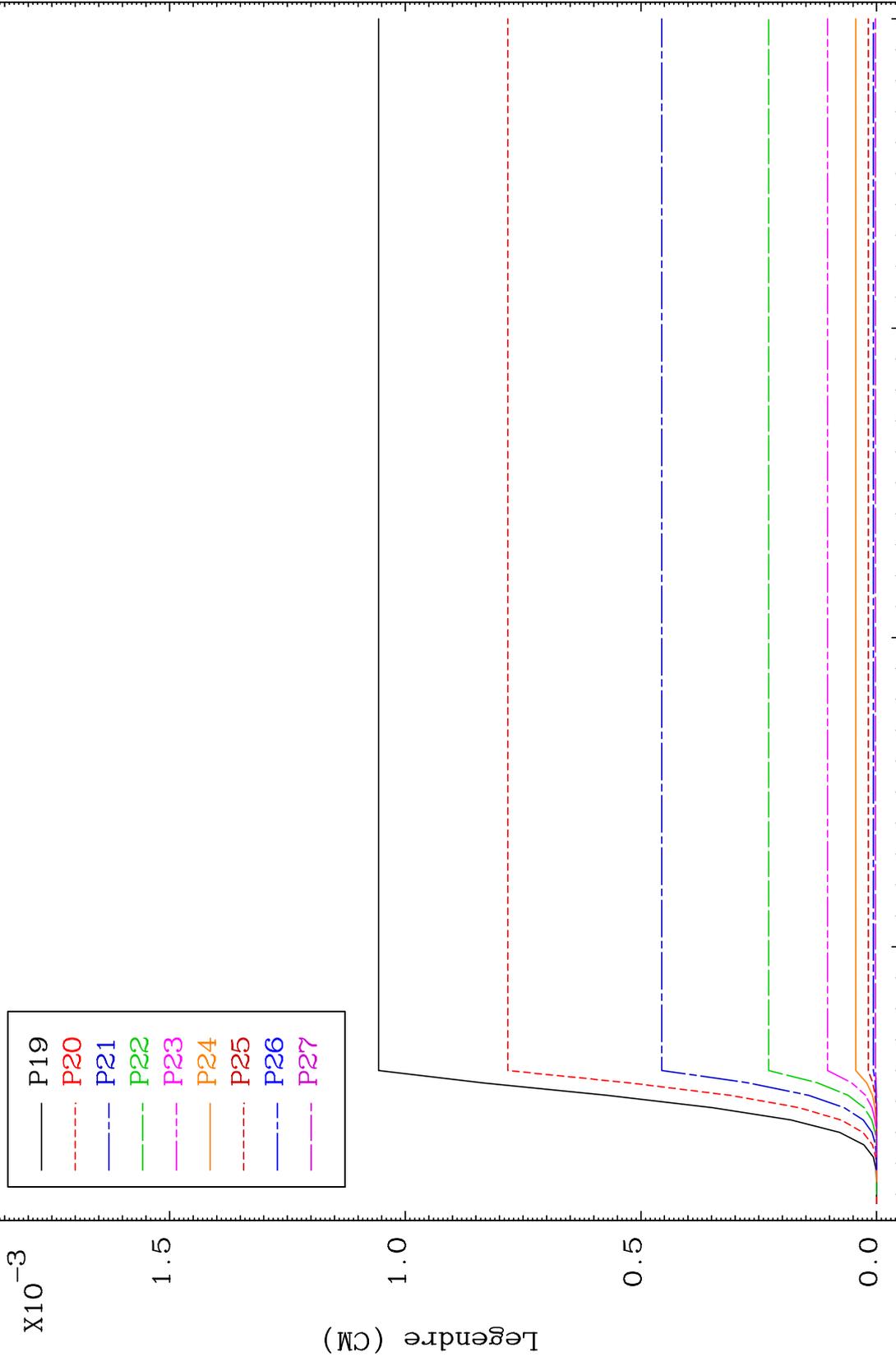
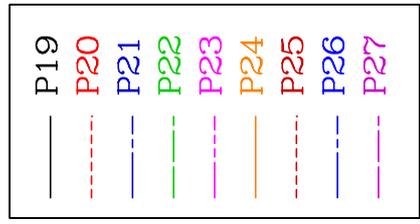
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



106

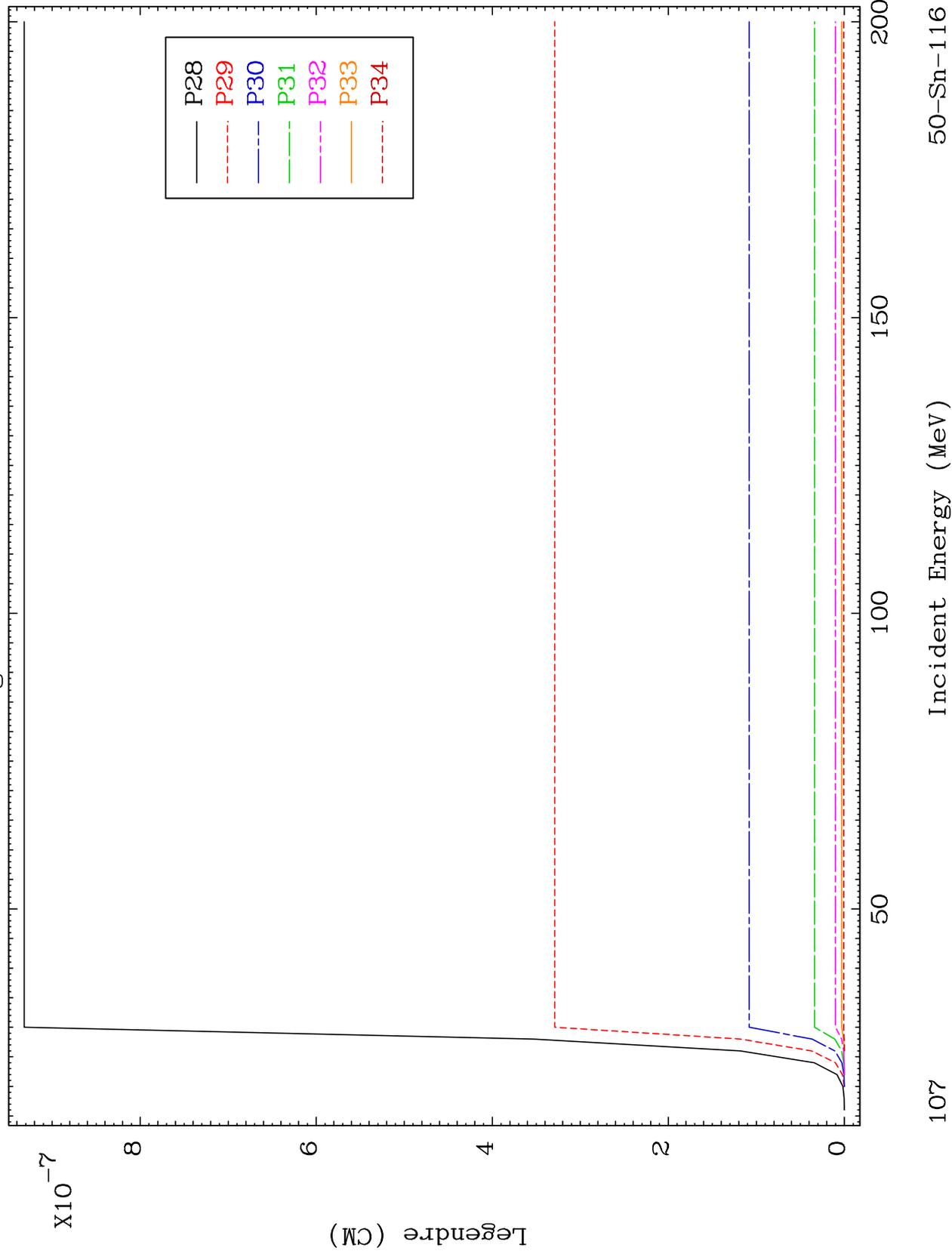
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

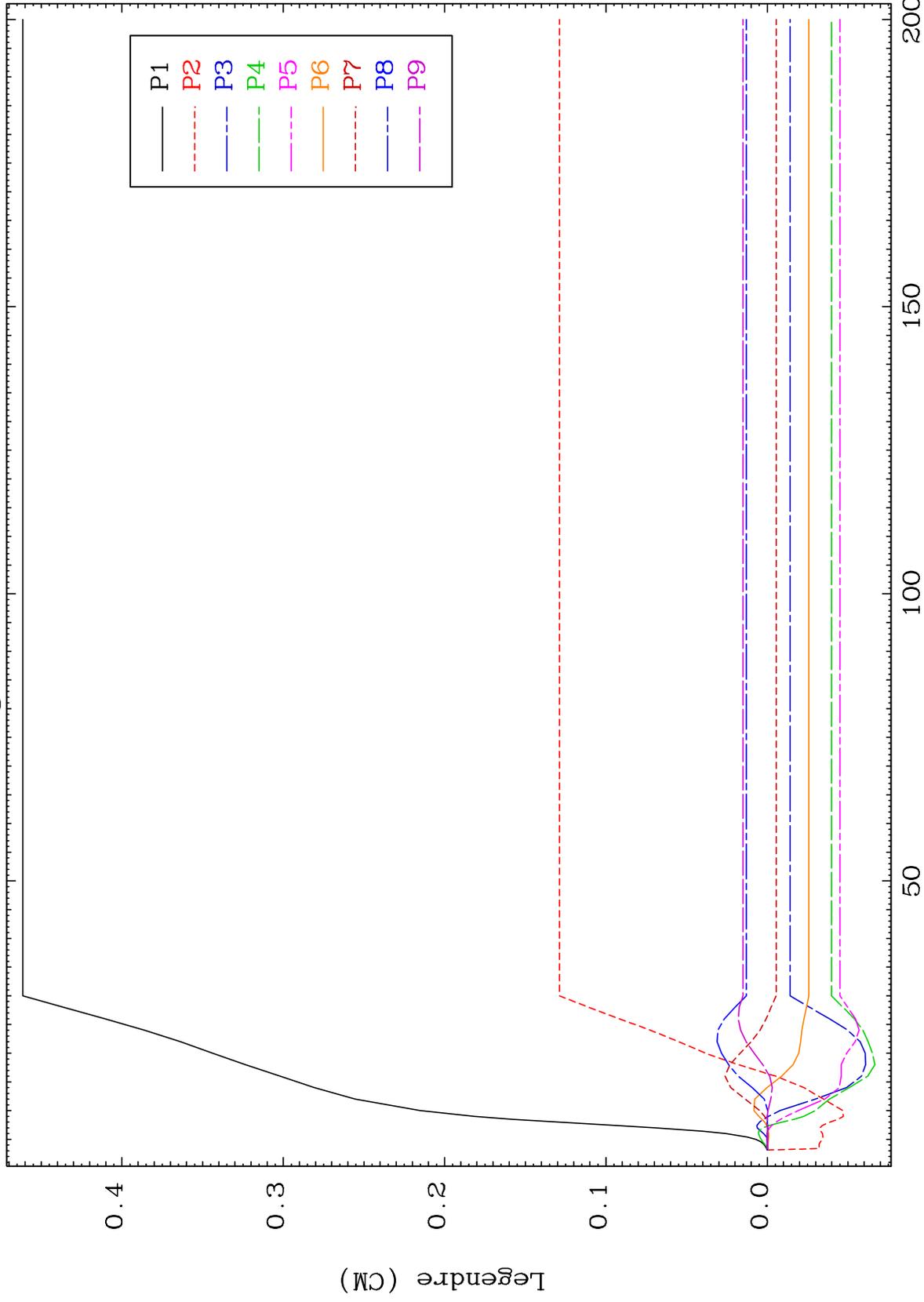
50-Sn-116



MAT 5037

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

50-Sn-116



108

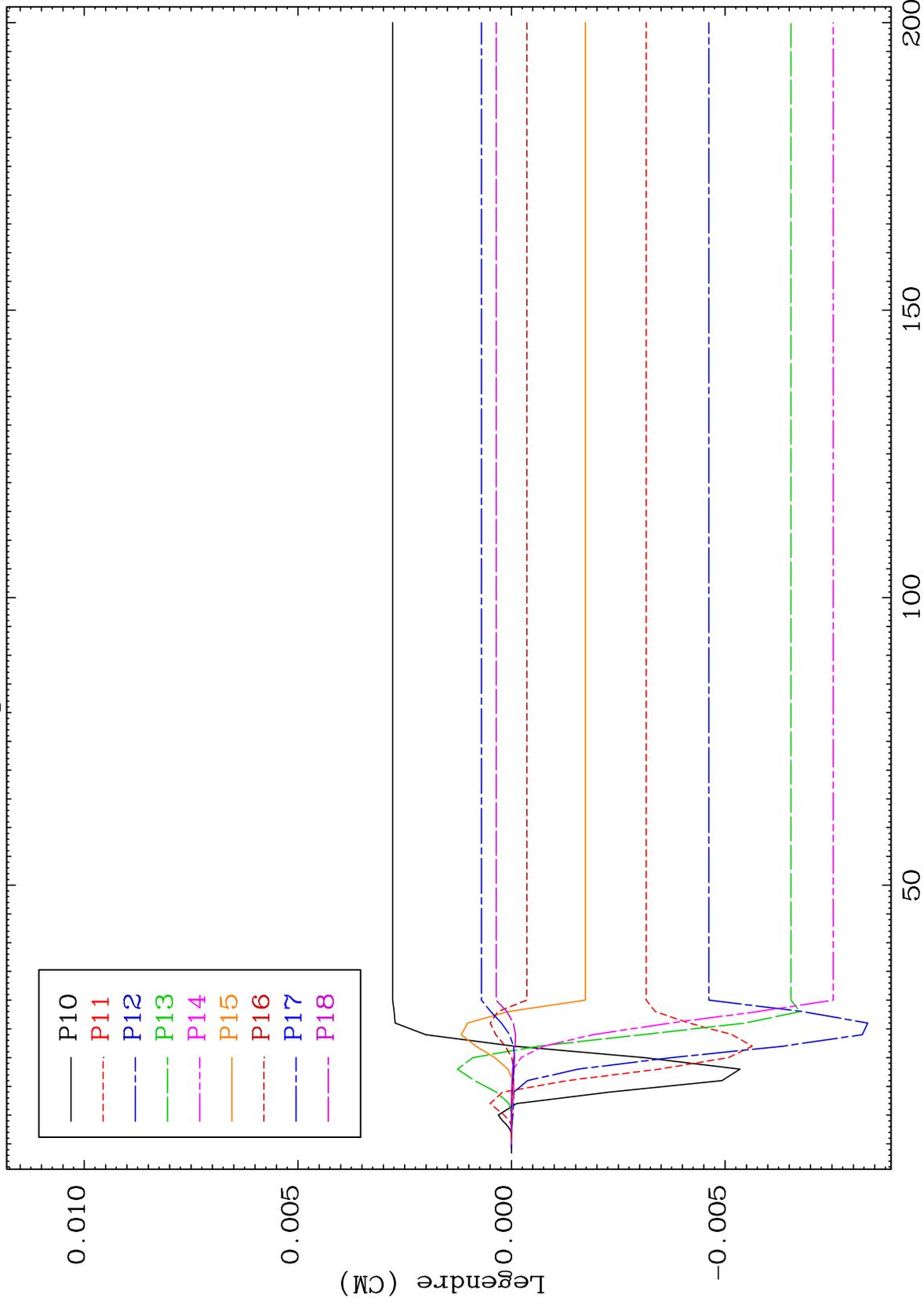
Incident Energy (MeV)

50-Sn-116

MAT 5037

50-Sn-116

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

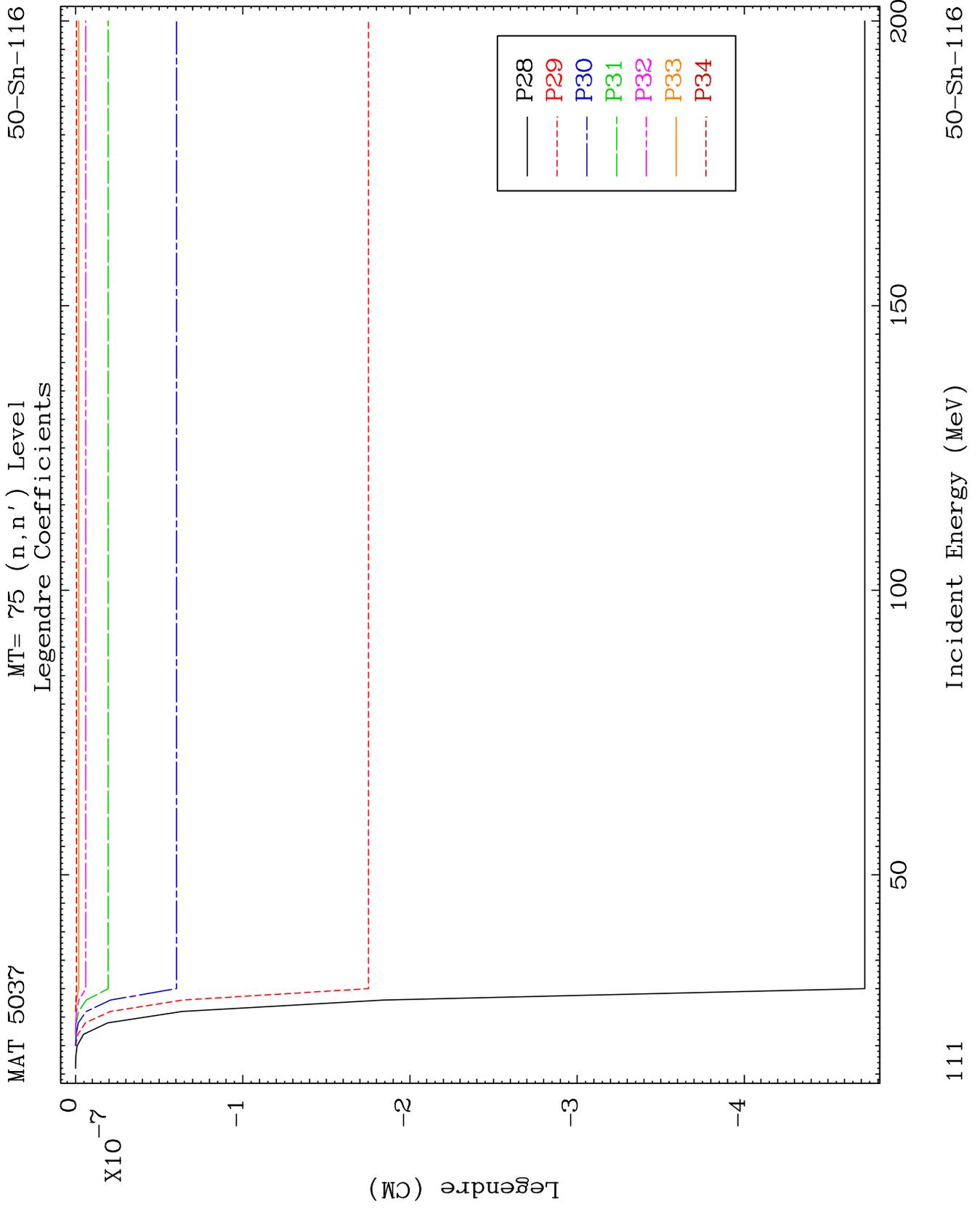


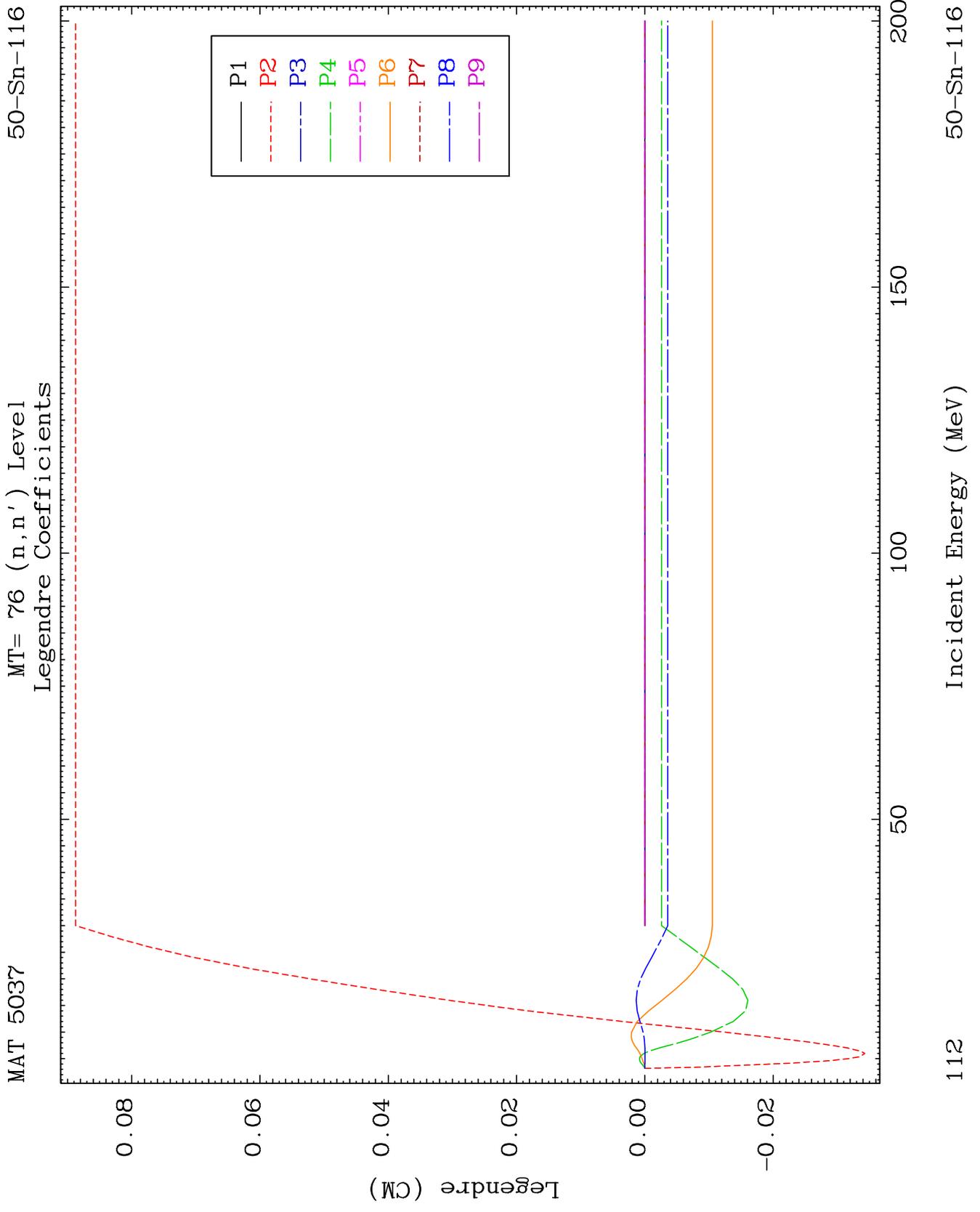
109

50-Sn-116

Incident Energy (MeV)



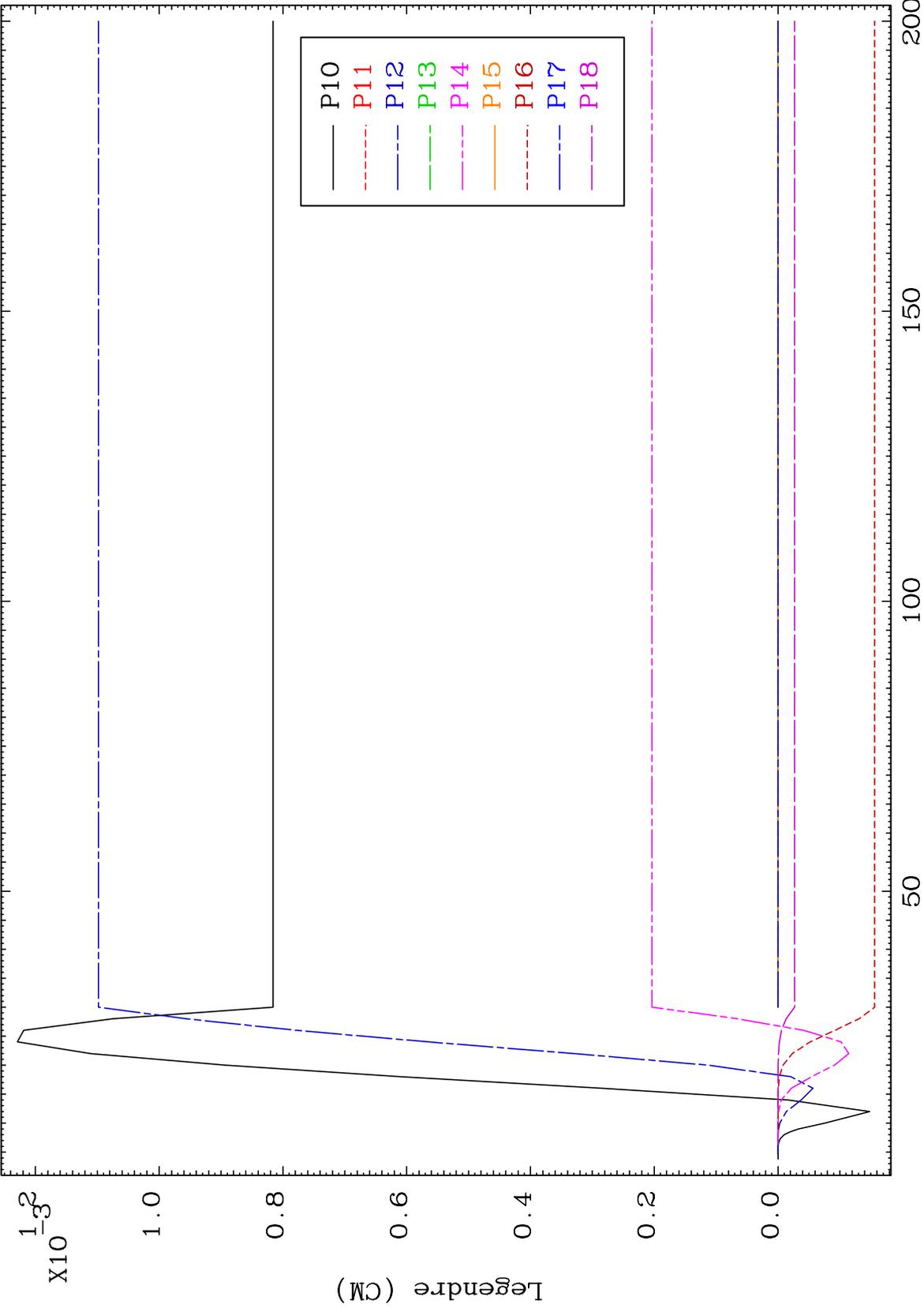




MAT 5037

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

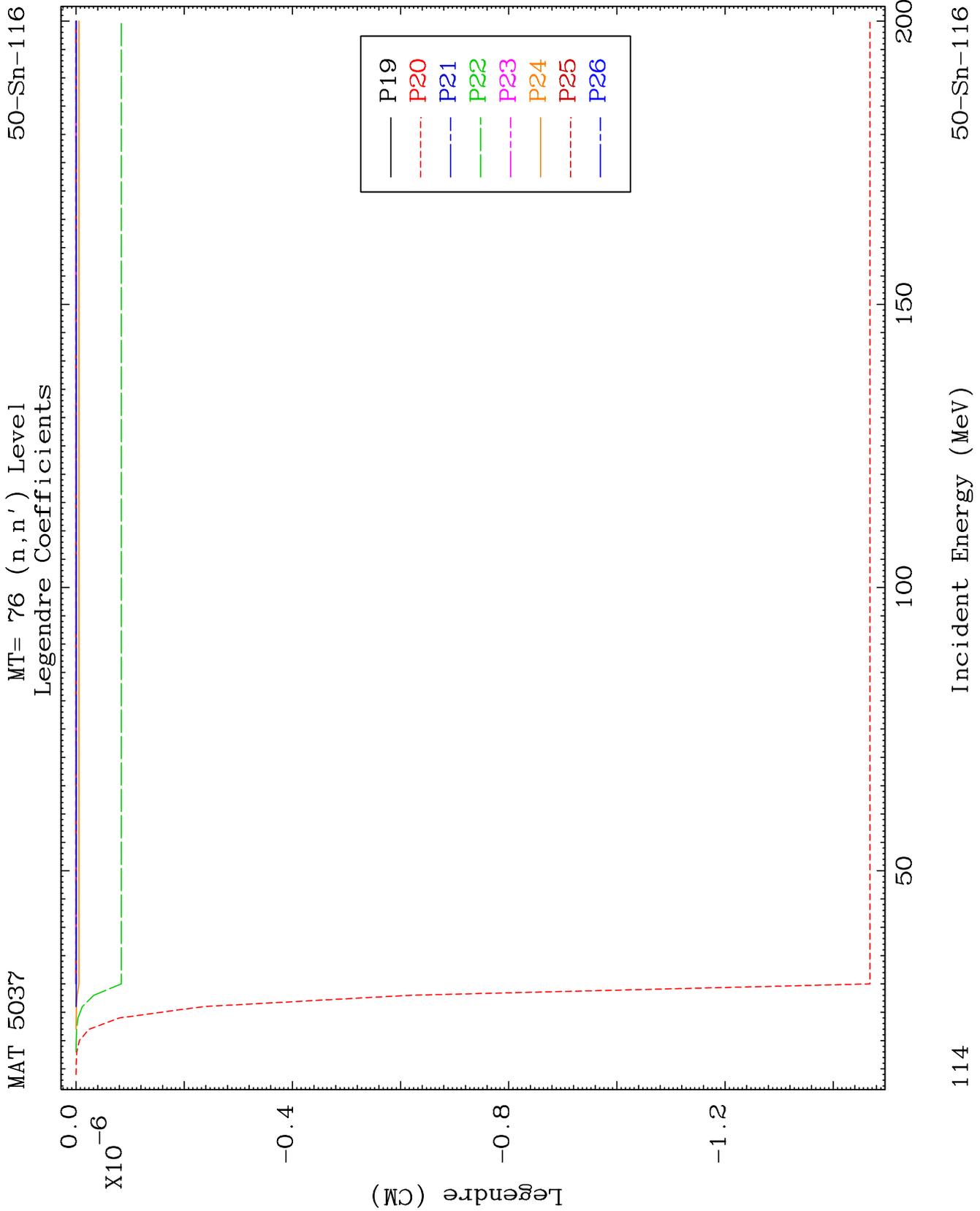
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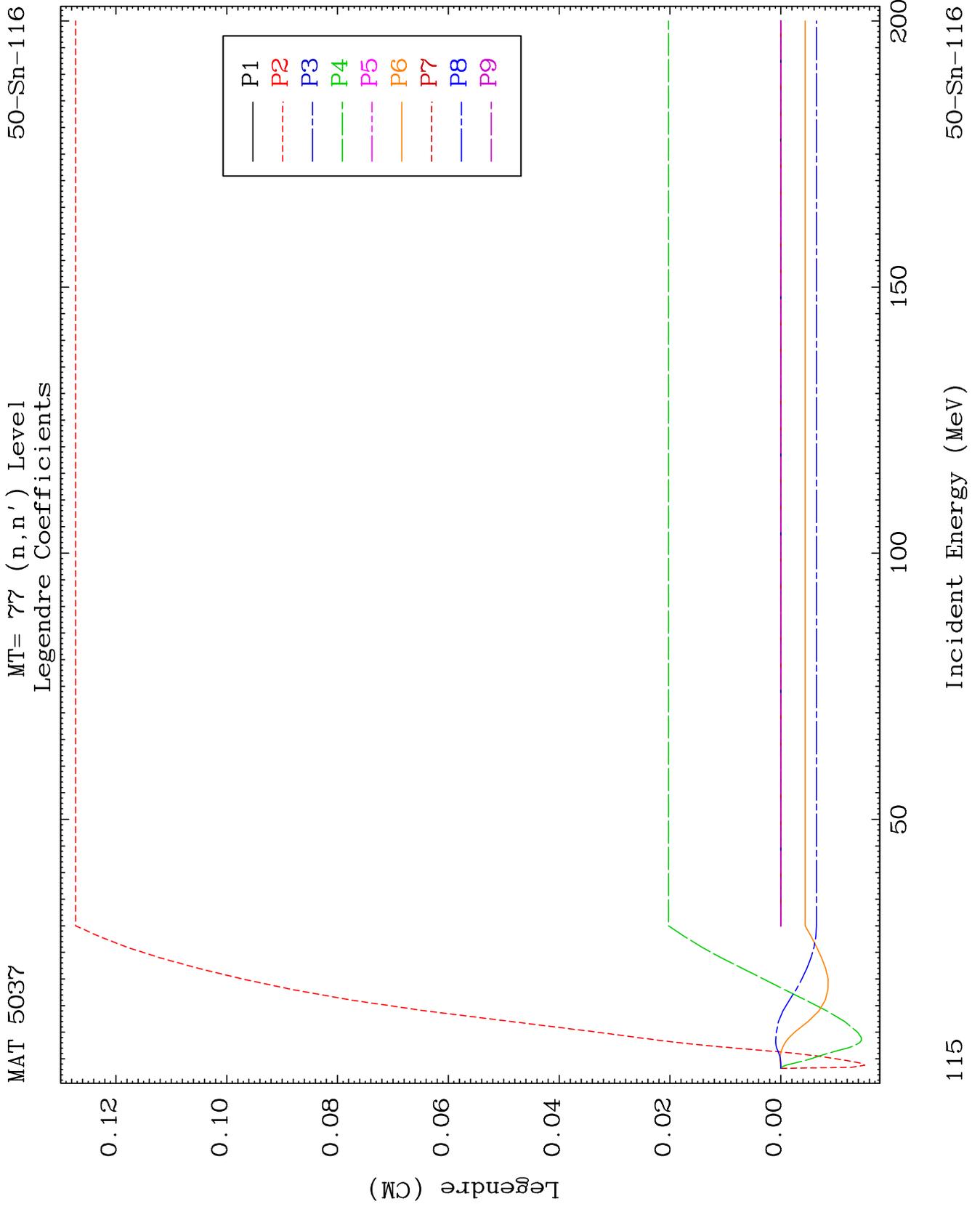


113

Incident Energy (MeV)

50-Sn-116

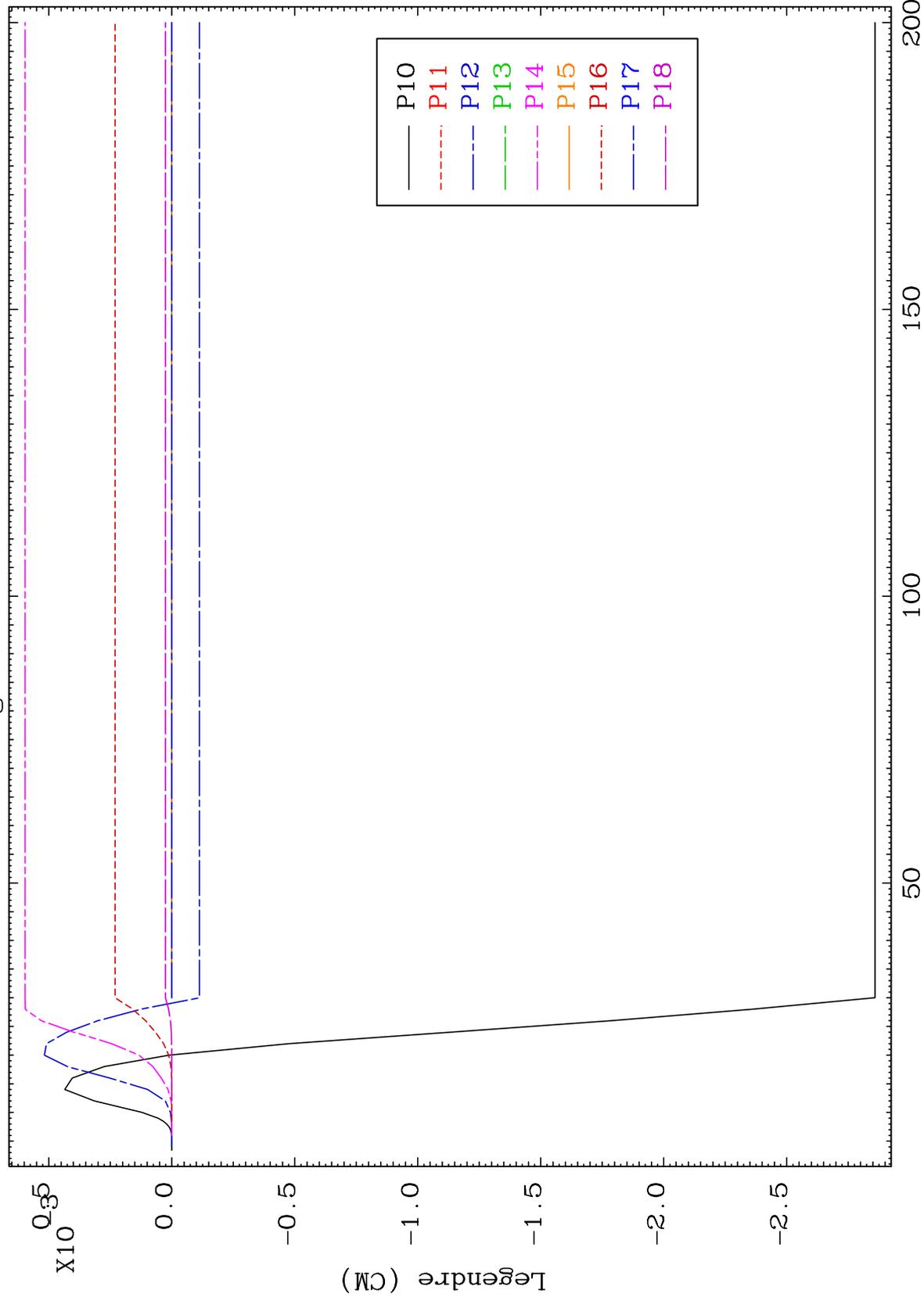




MAT 5037

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

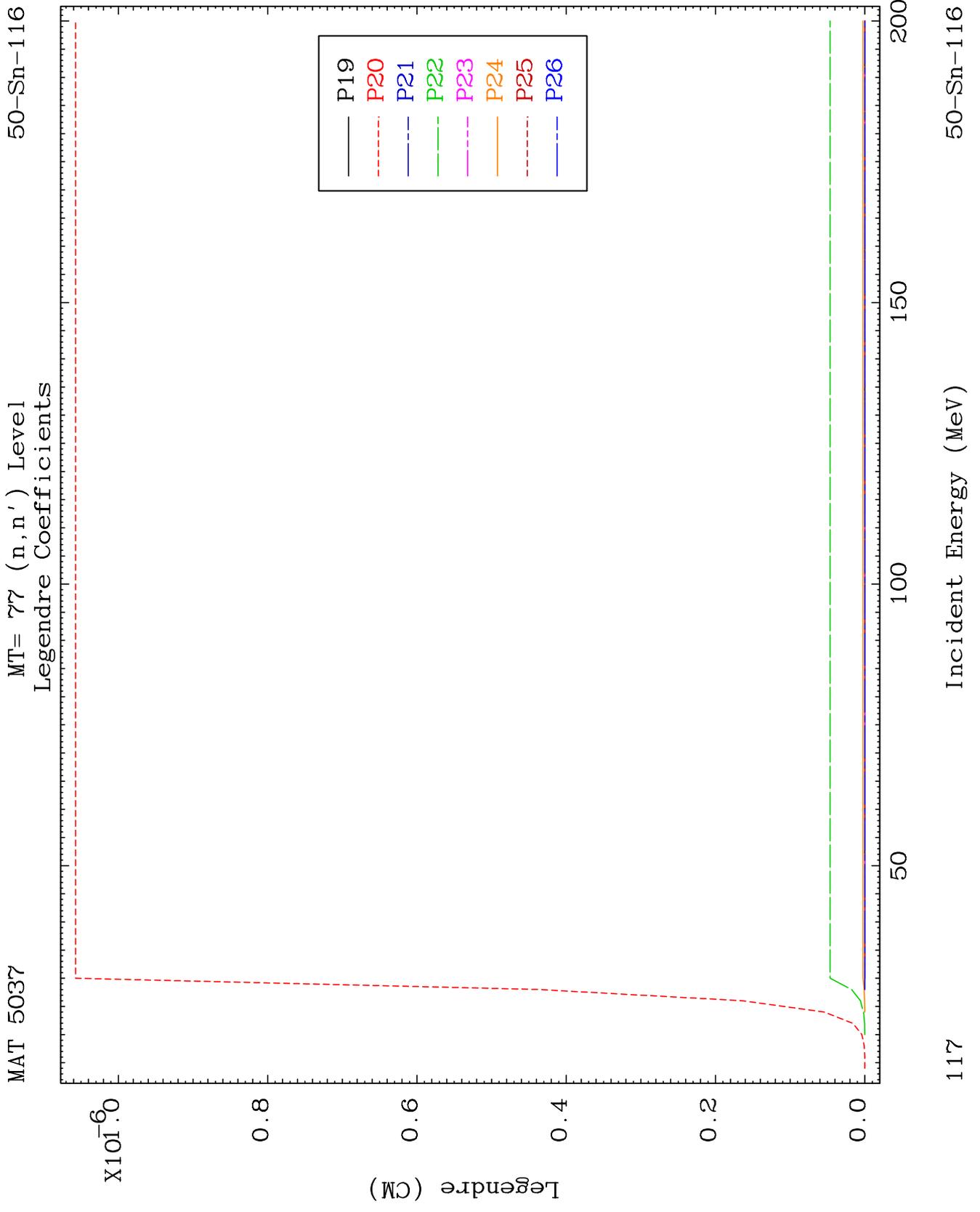
50-Sn-116



116

Incident Energy (MeV)

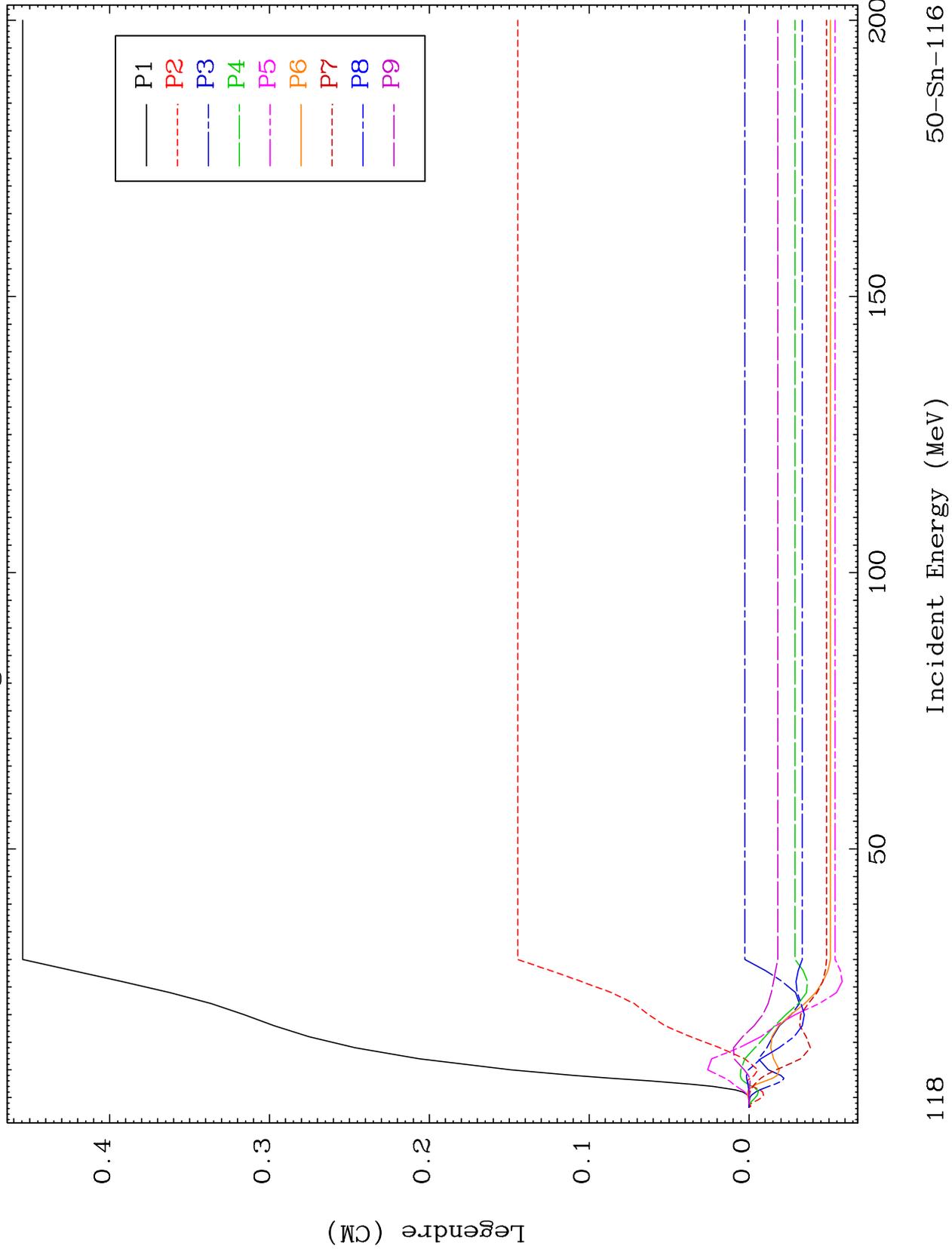
50-Sn-116



MAT 5037

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

50-Sn-116



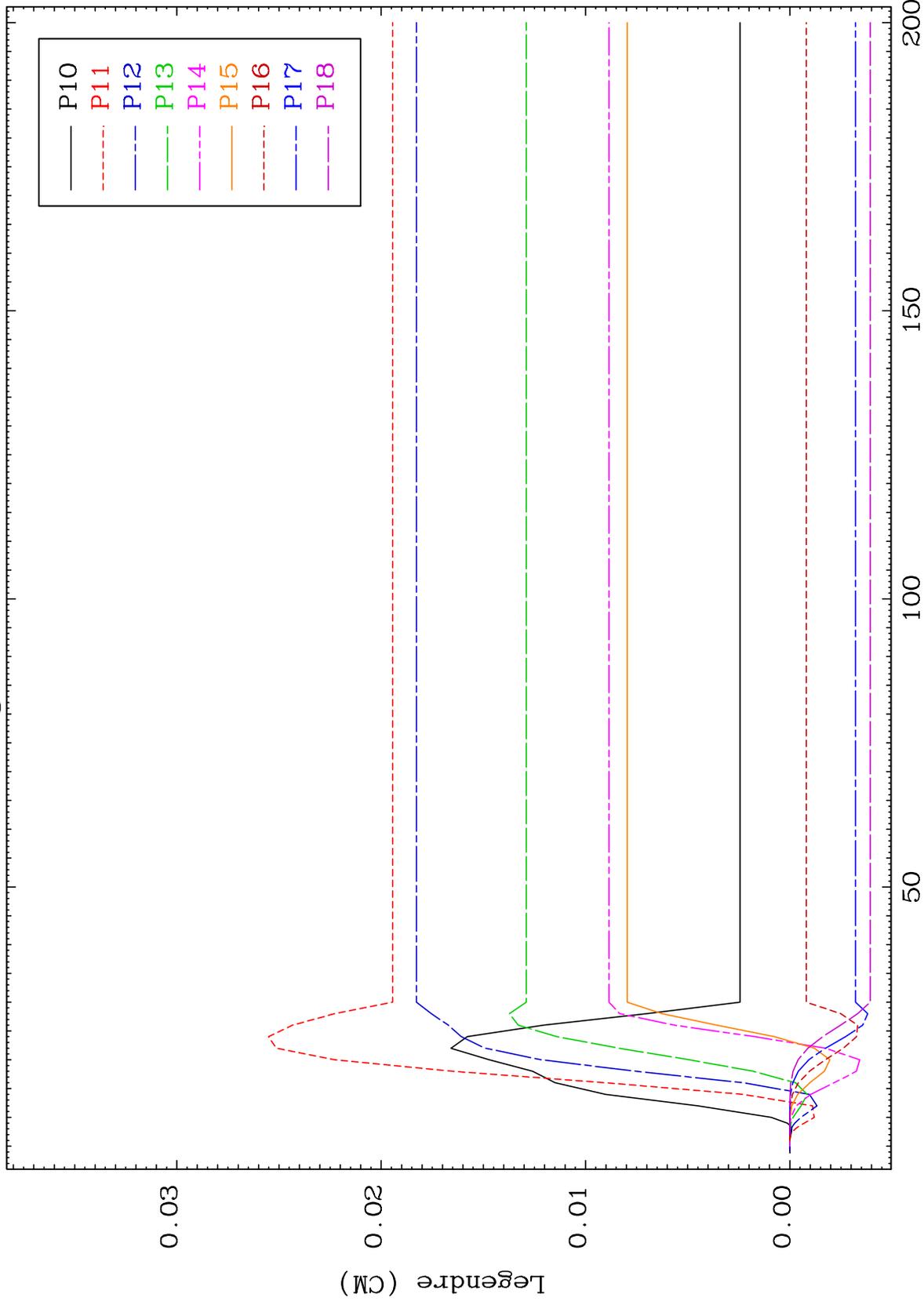
118

50-Sn-116

MAT 5037

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

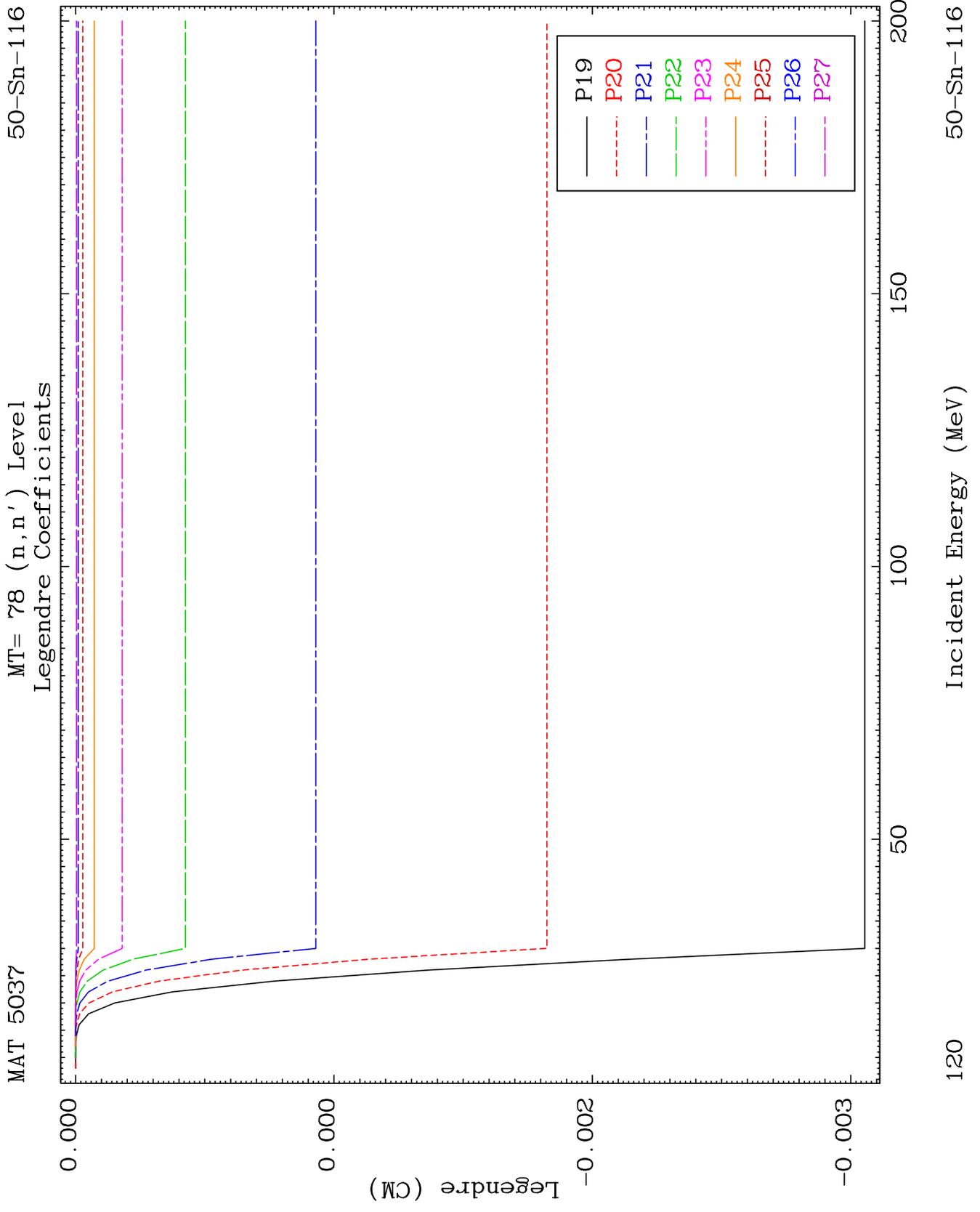
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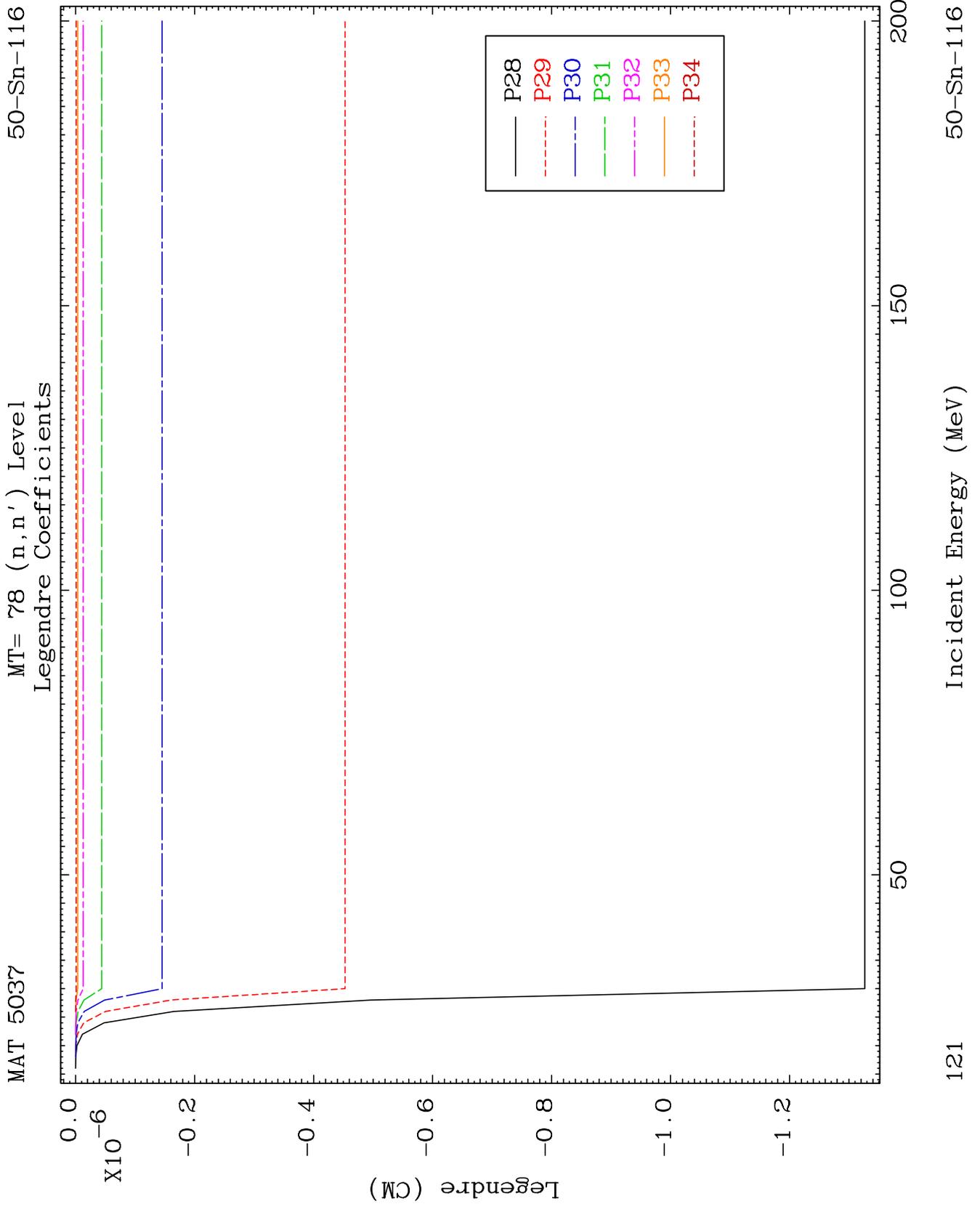


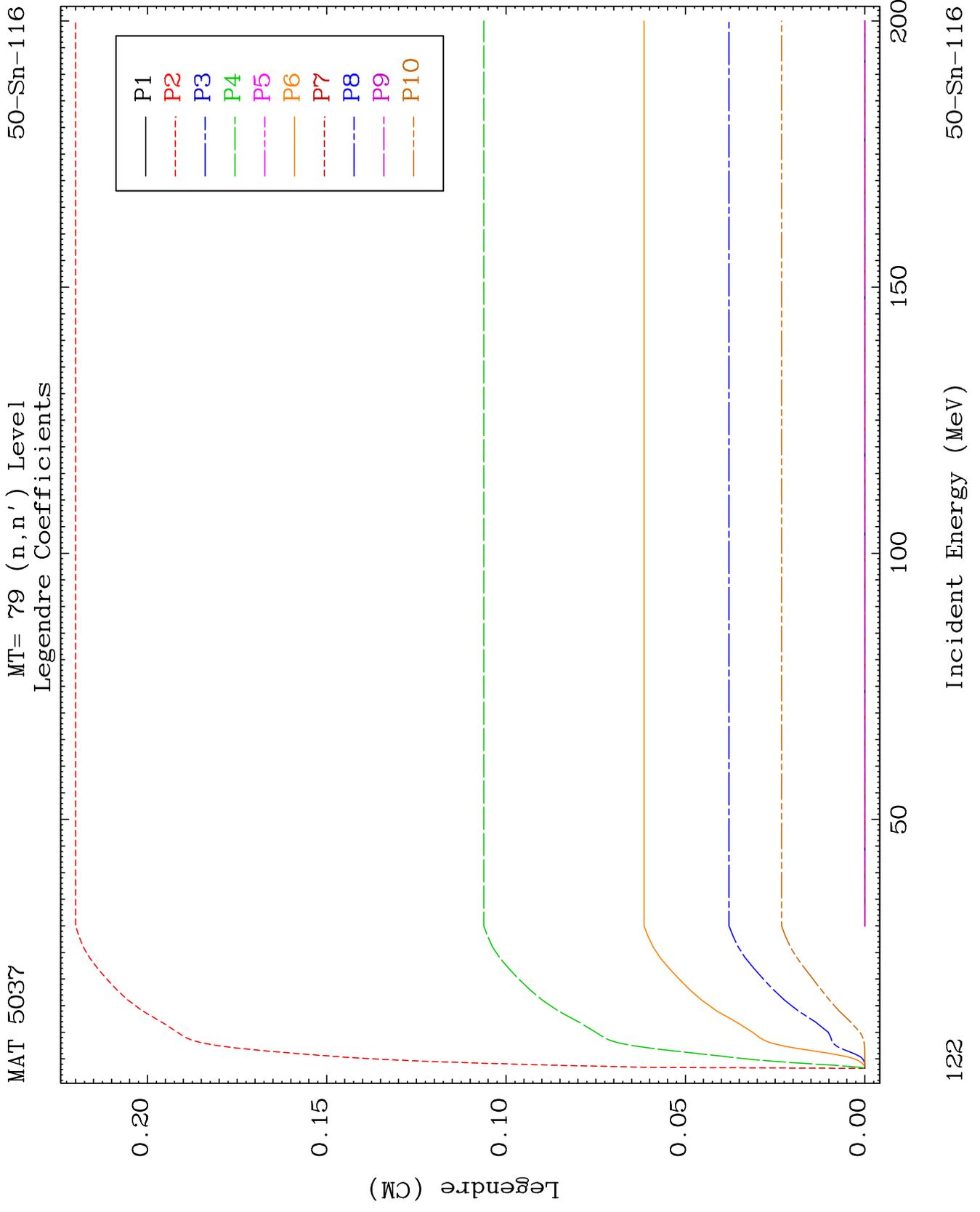
119

Incident Energy (MeV)

50-Sn-116



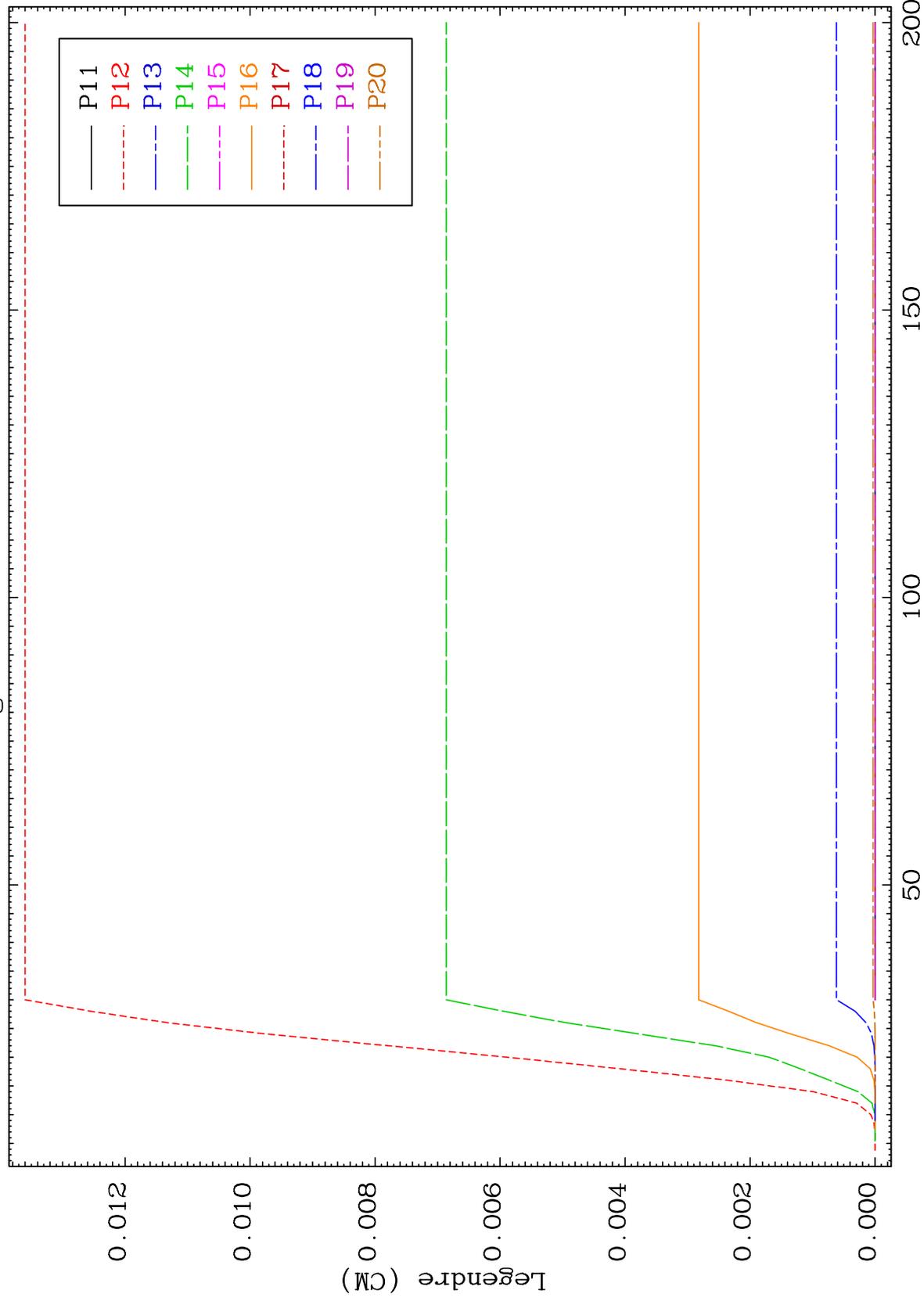




MAT 5037

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

50-Sn-116



123

50-Sn-116

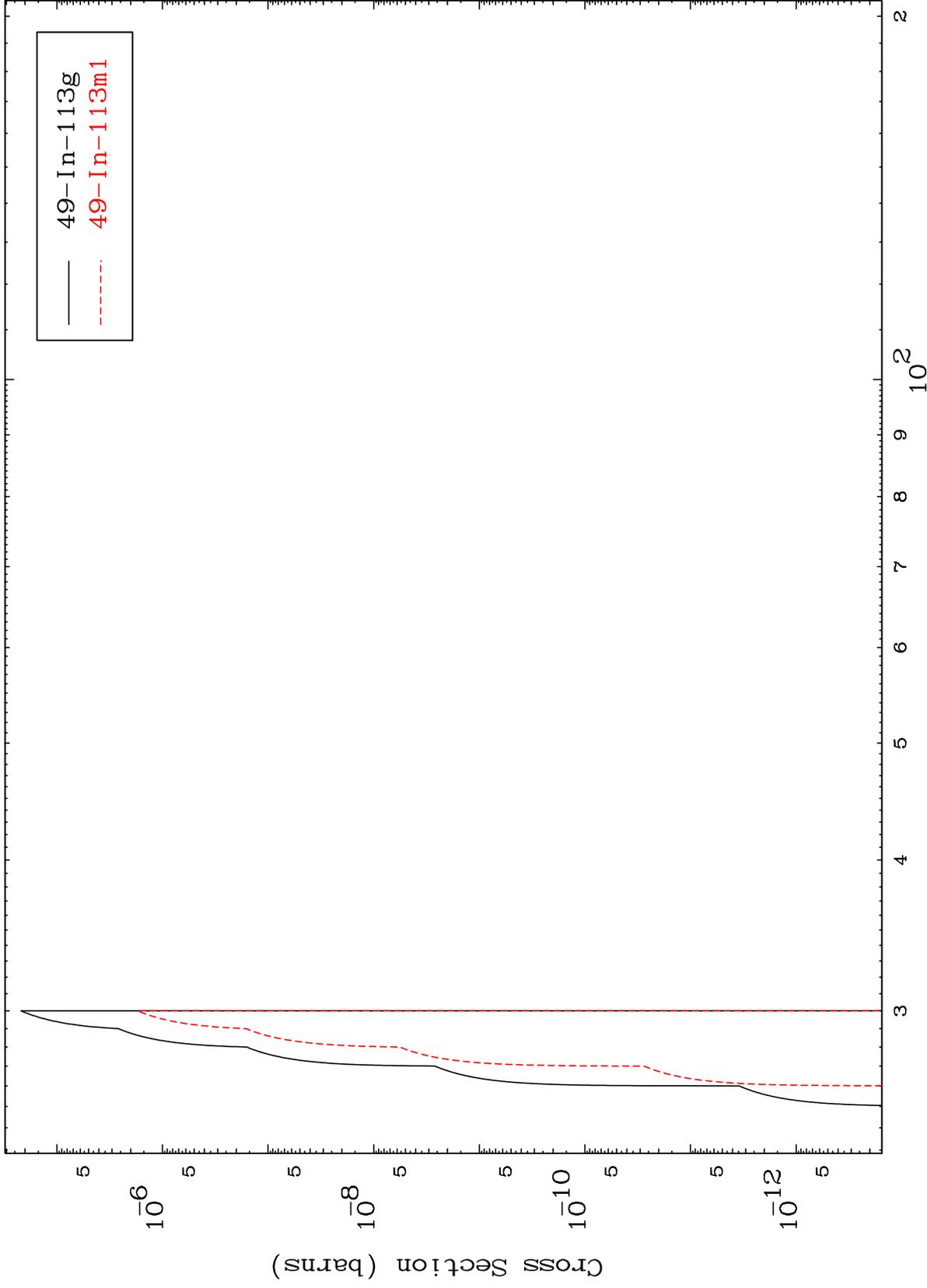


MAT 5037

(n,2n) d

50-Sn-116

Radionuclide Production Cross Section

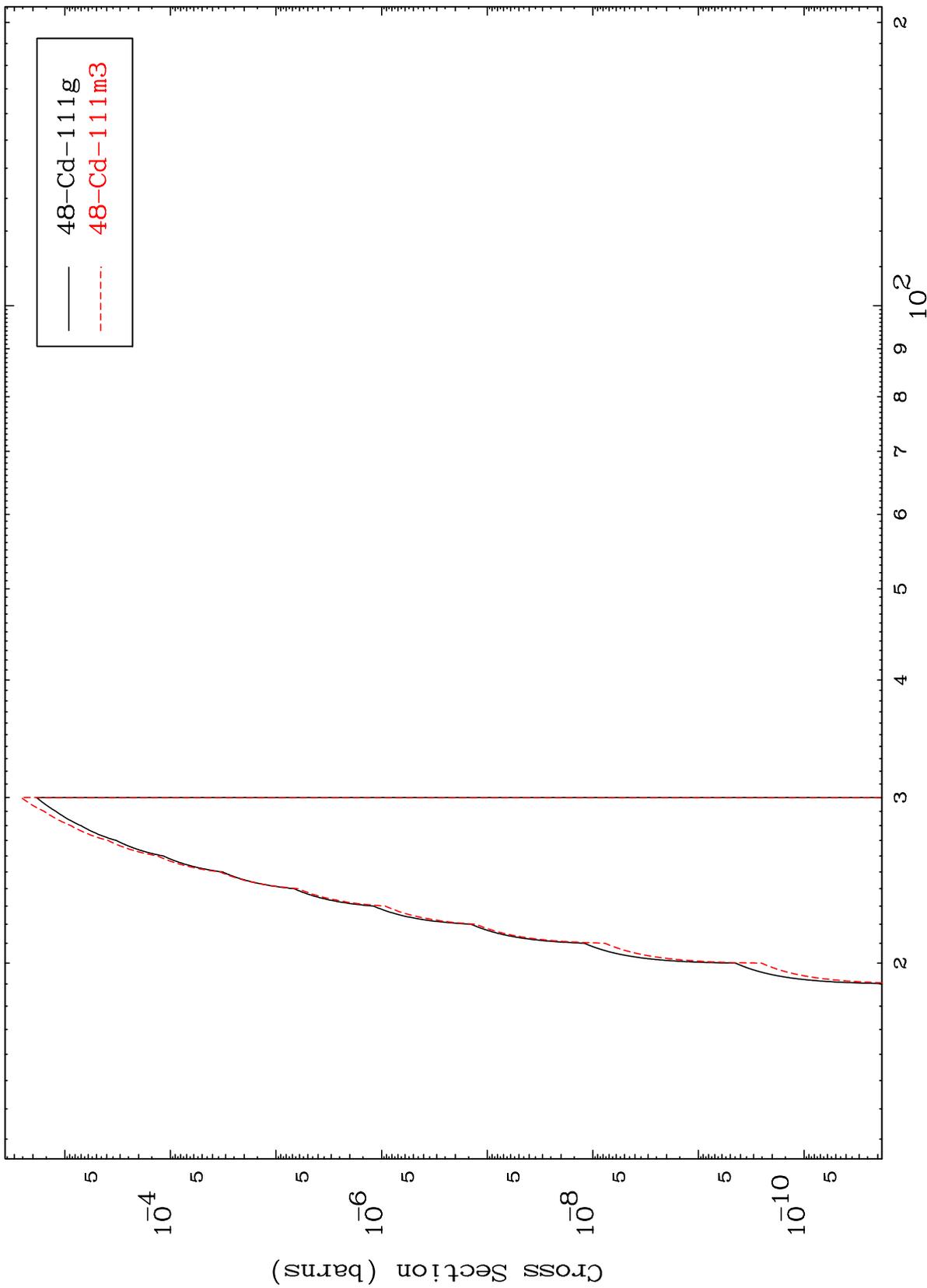


125

Incident Energy (MeV)

50-Sn-116

Radionuclide Production Cross Section

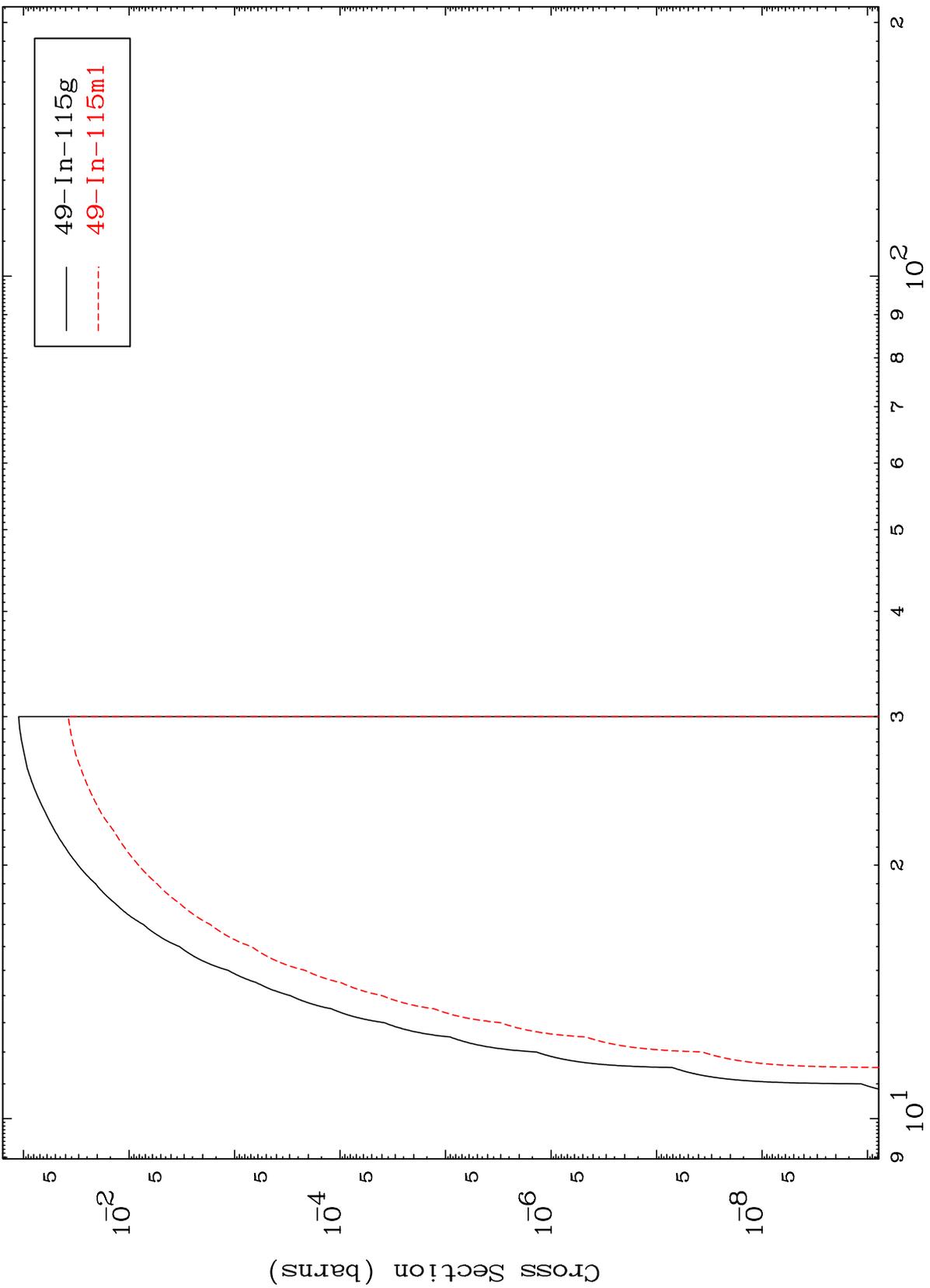


MAT 5037

(n,n') p

50-Sn-116

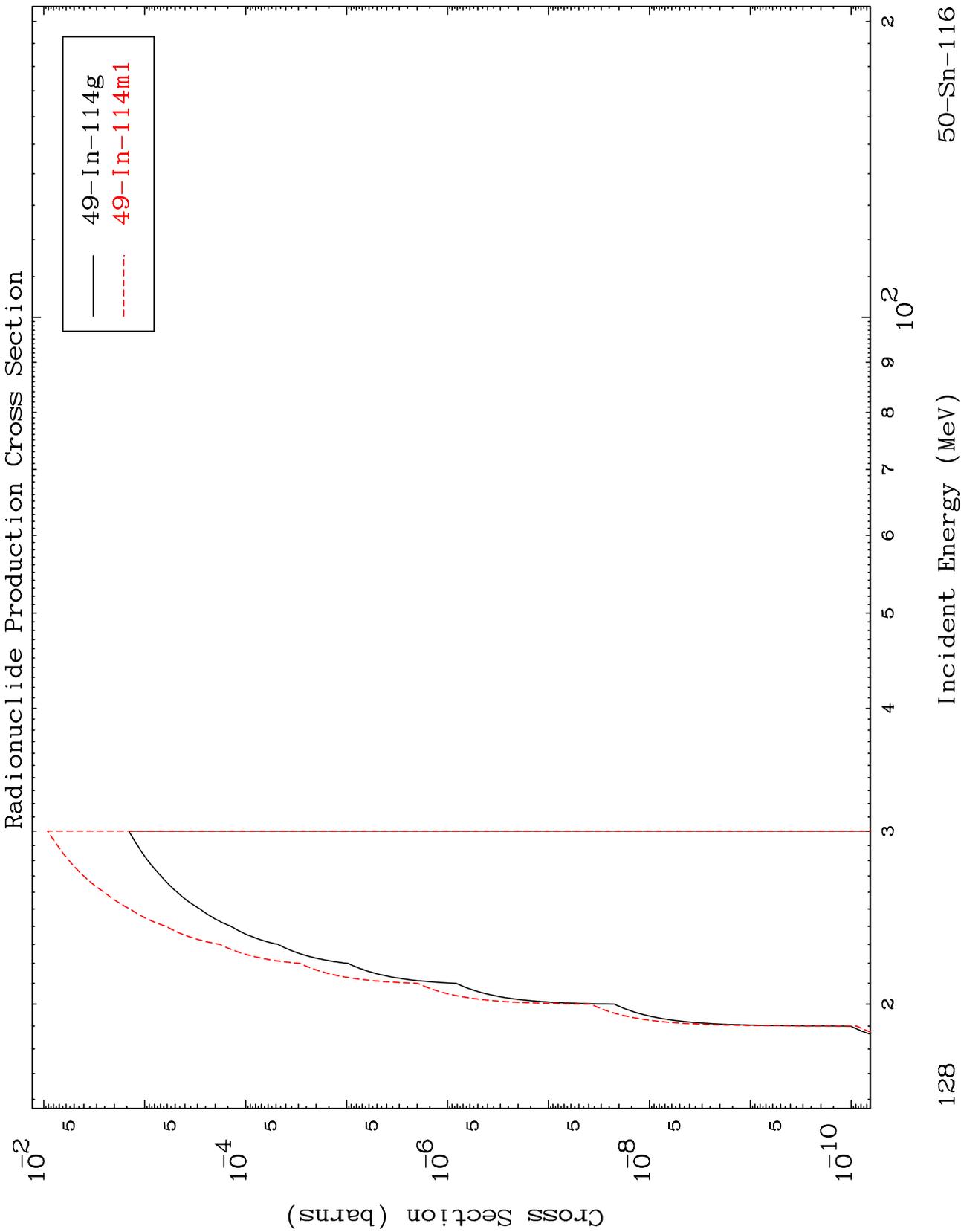
Radionuclide Production Cross Section



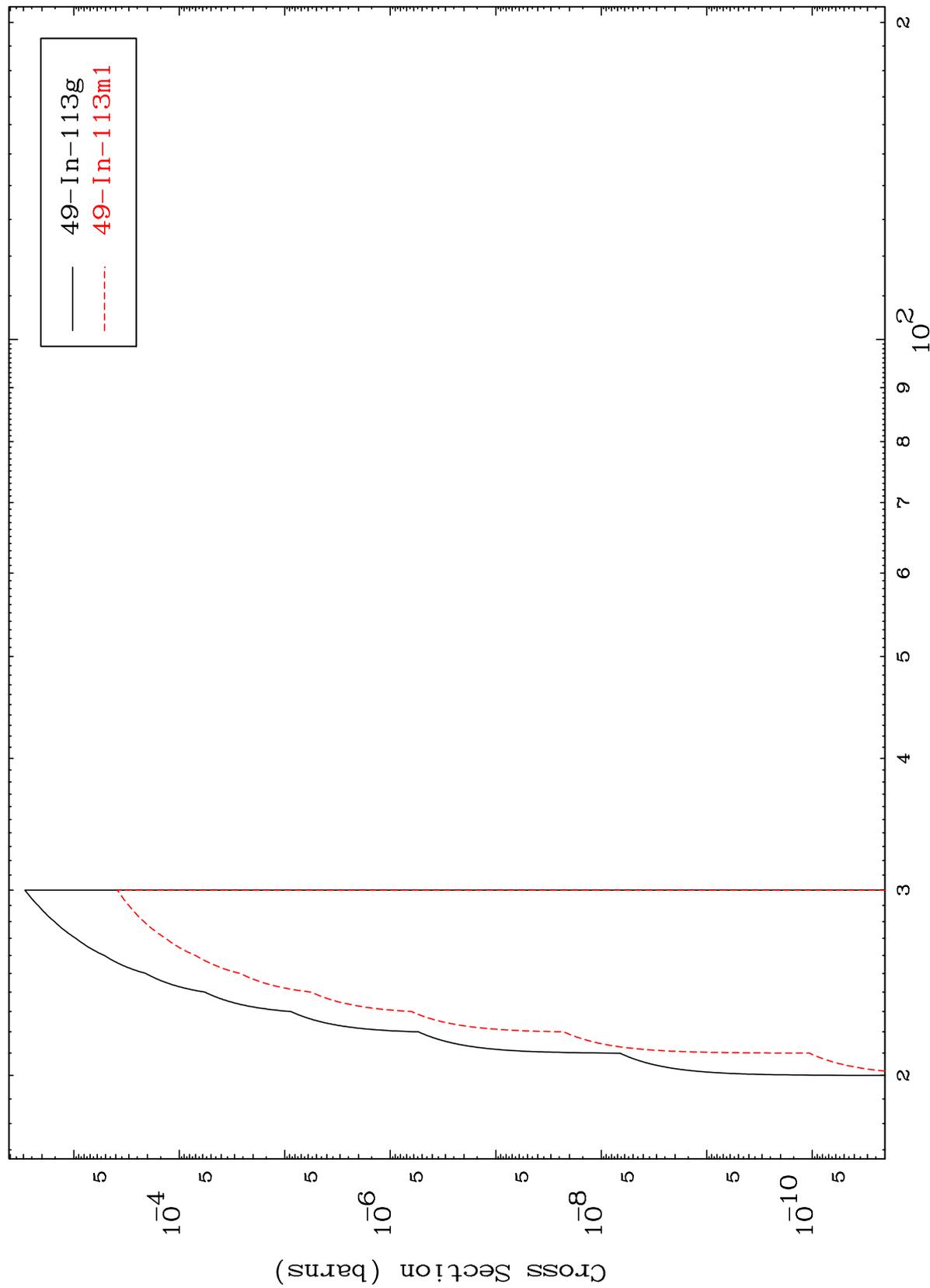
127

Incident Energy (MeV)

50-Sn-116



Radionuclide Production Cross Section

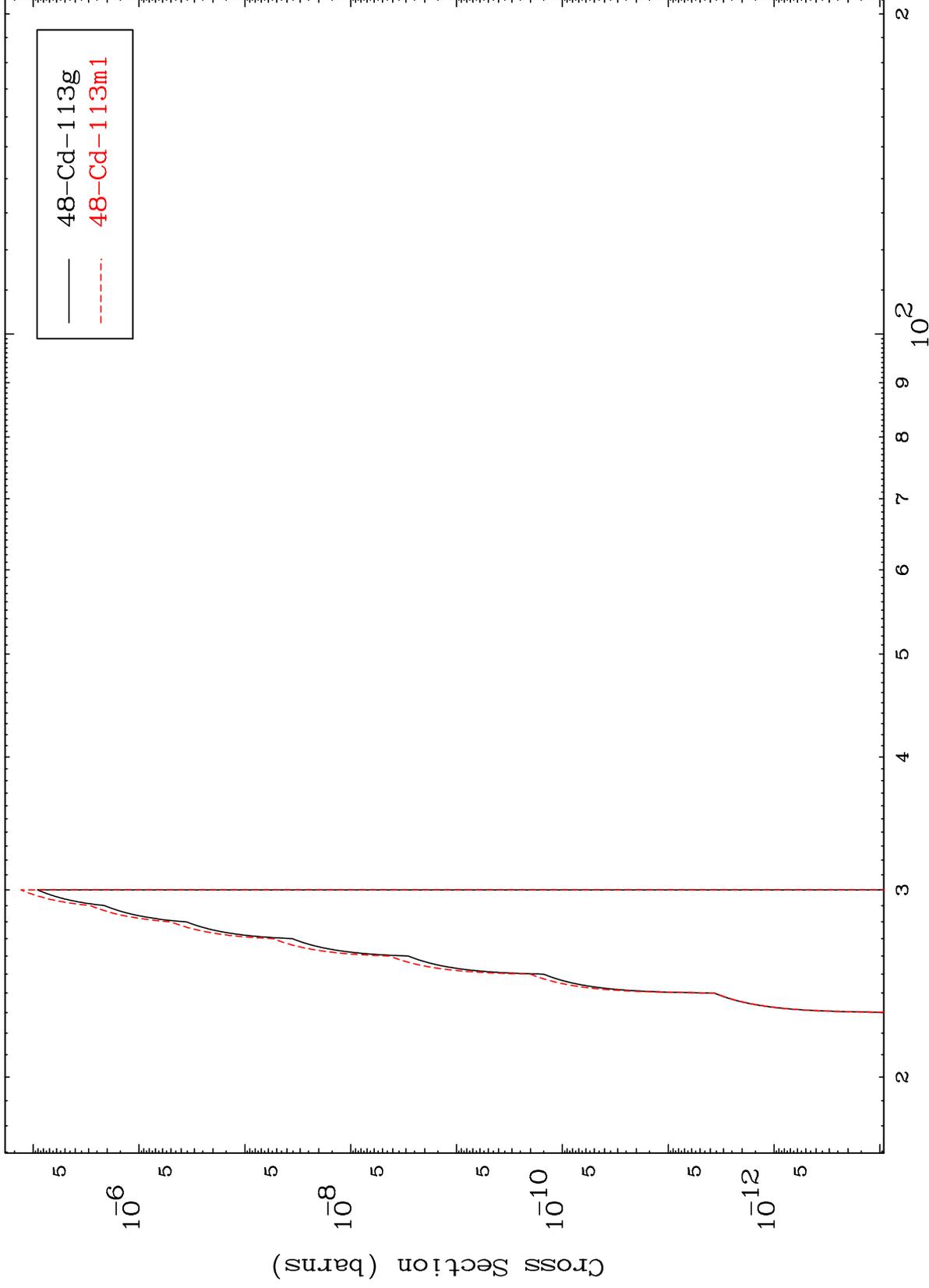


MAT 5037

(n,n') He-3

50-Sn-116

Radionuclide Production Cross Section



130

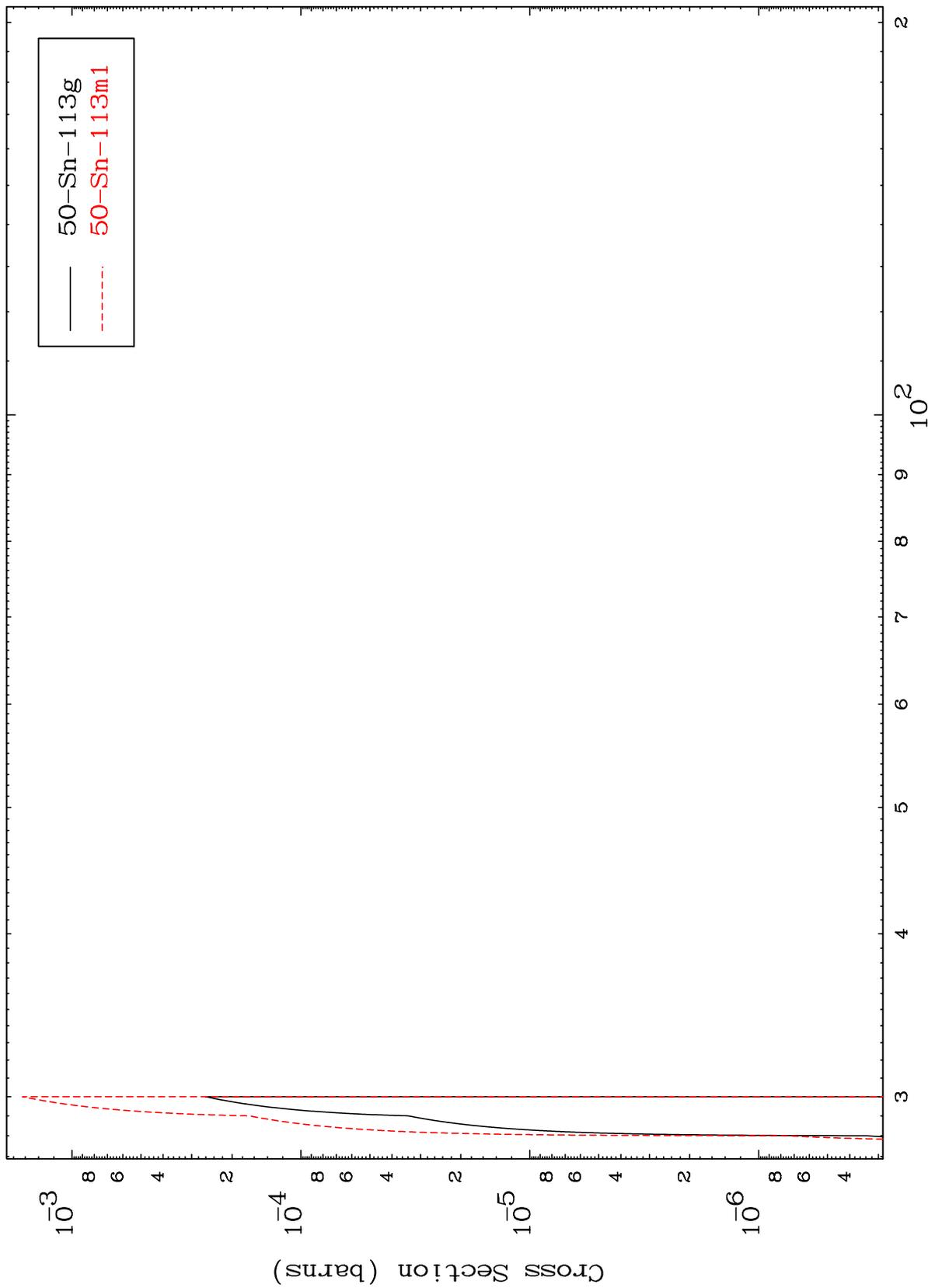
Incident Energy (MeV)

50-Sn-116

MAT 5037

50-Sn-116

(n,4n)  
Radionuclide Production Cross Section



50-Sn-116

Incident Energy (MeV)

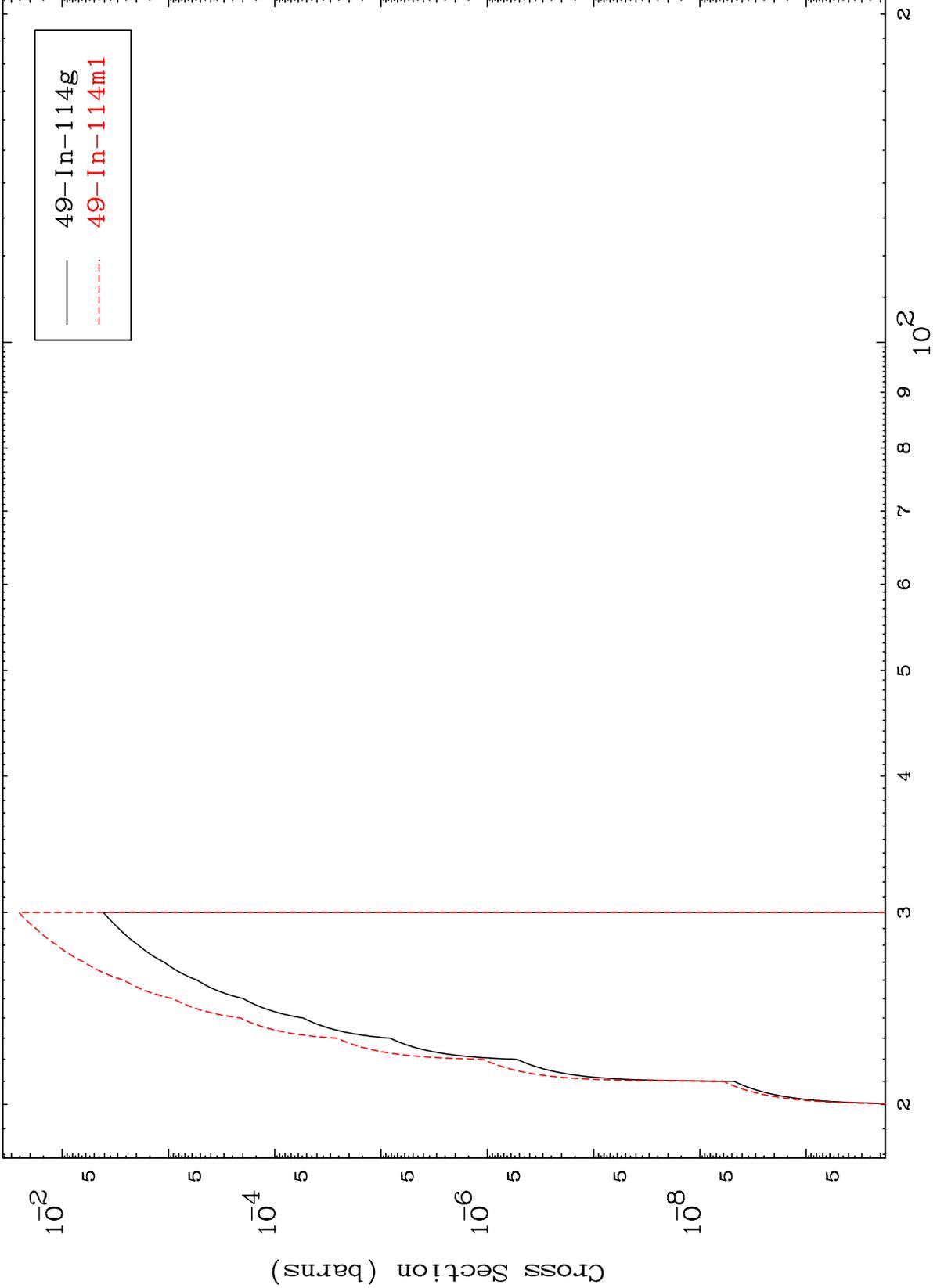
131

MAT 5037

(n,2n) p

50-Sn-116

Radionuclide Production Cross Section



49-In-114g  
49-In-114m1

132

Incident Energy (MeV)

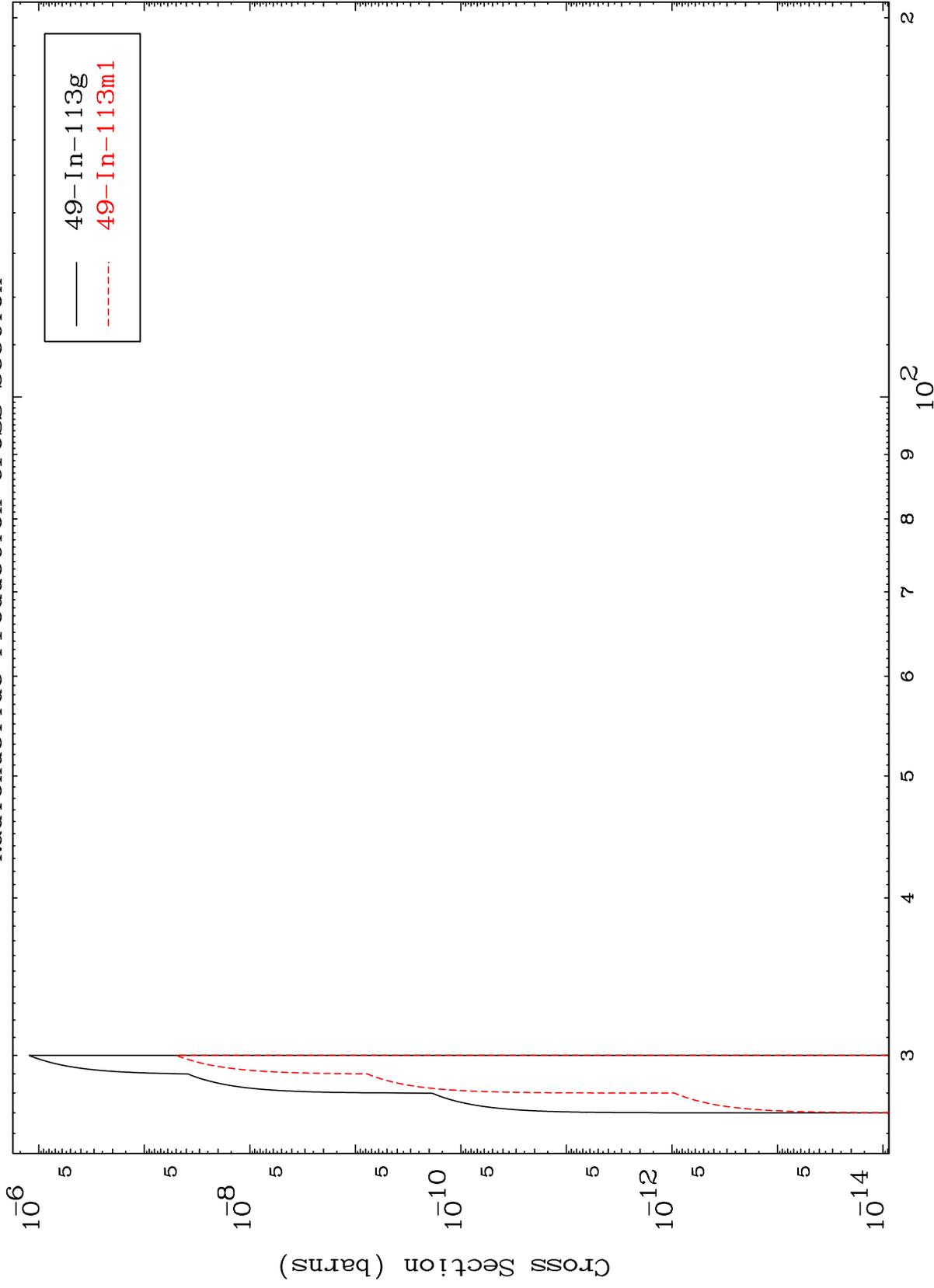
50-Sn-116

MAT 5037

(n,3n) p

50-Sn-116

Radionuclide Production Cross Section



133

Incident Energy (MeV)

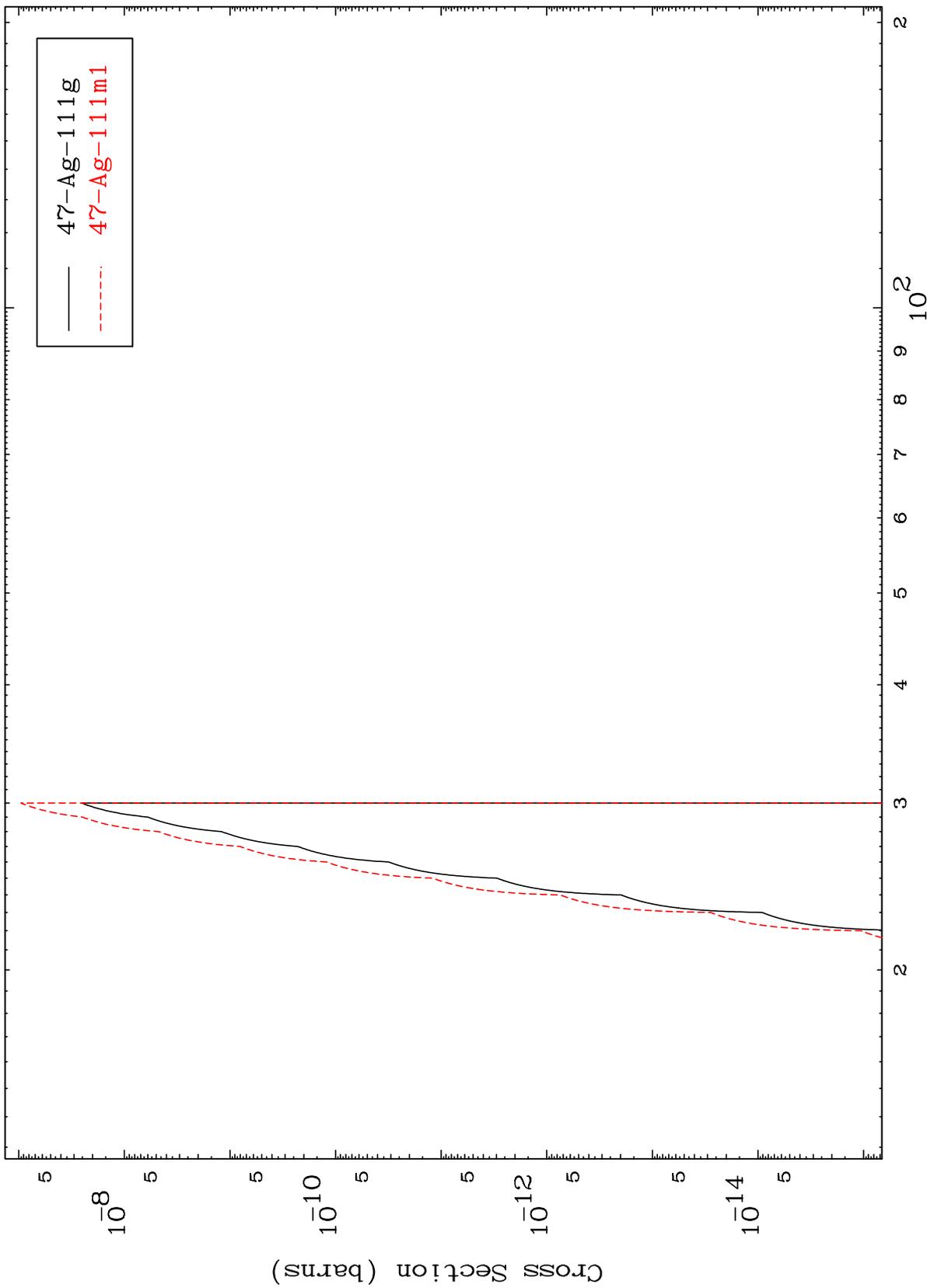
50-Sn-116

MAT 5037

(n,n') p  $\alpha$

50-Sn-116

Radionuclide Production Cross Section



134

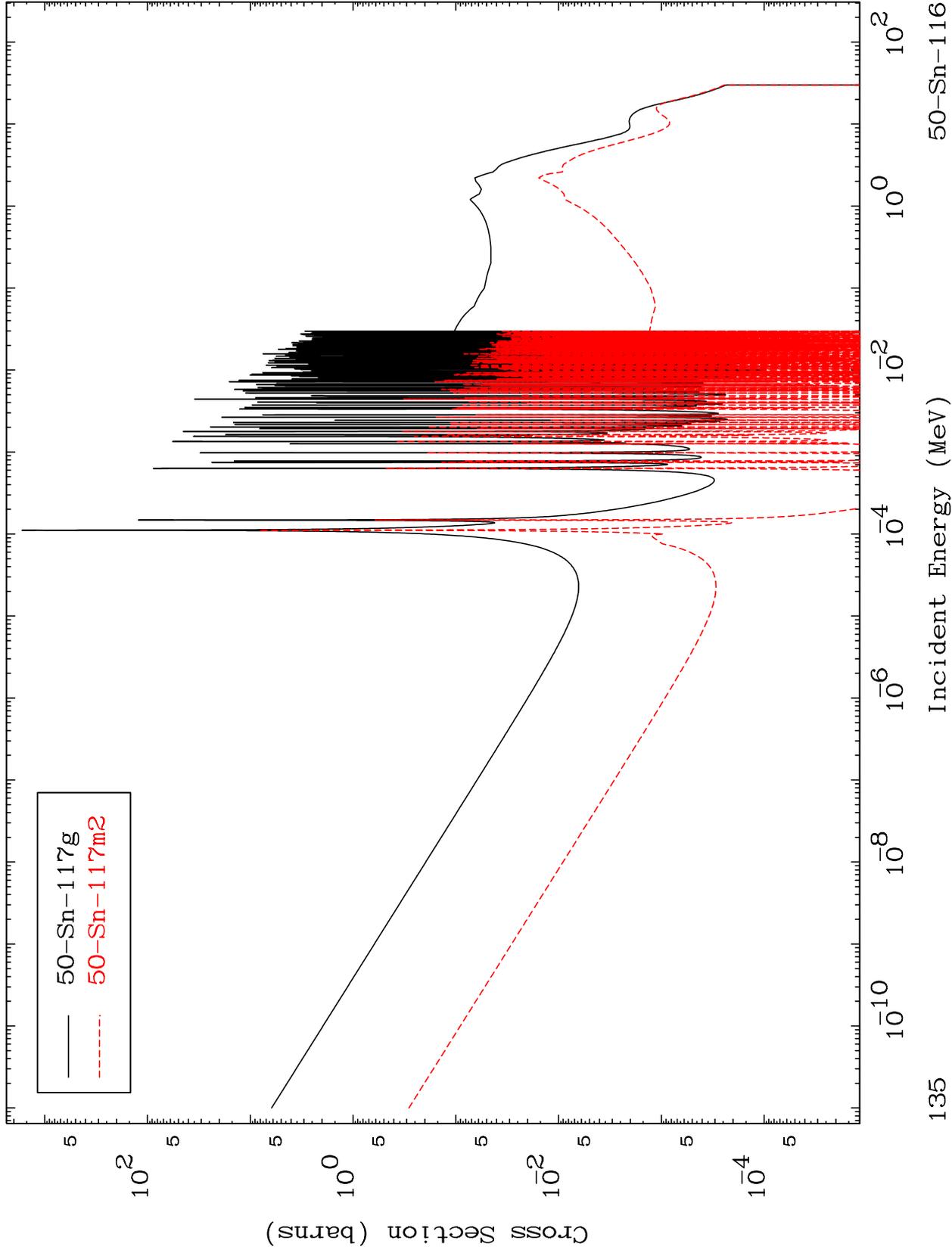
Incident Energy (MeV)

50-Sn-116

MAT 5037

50-Sn-116

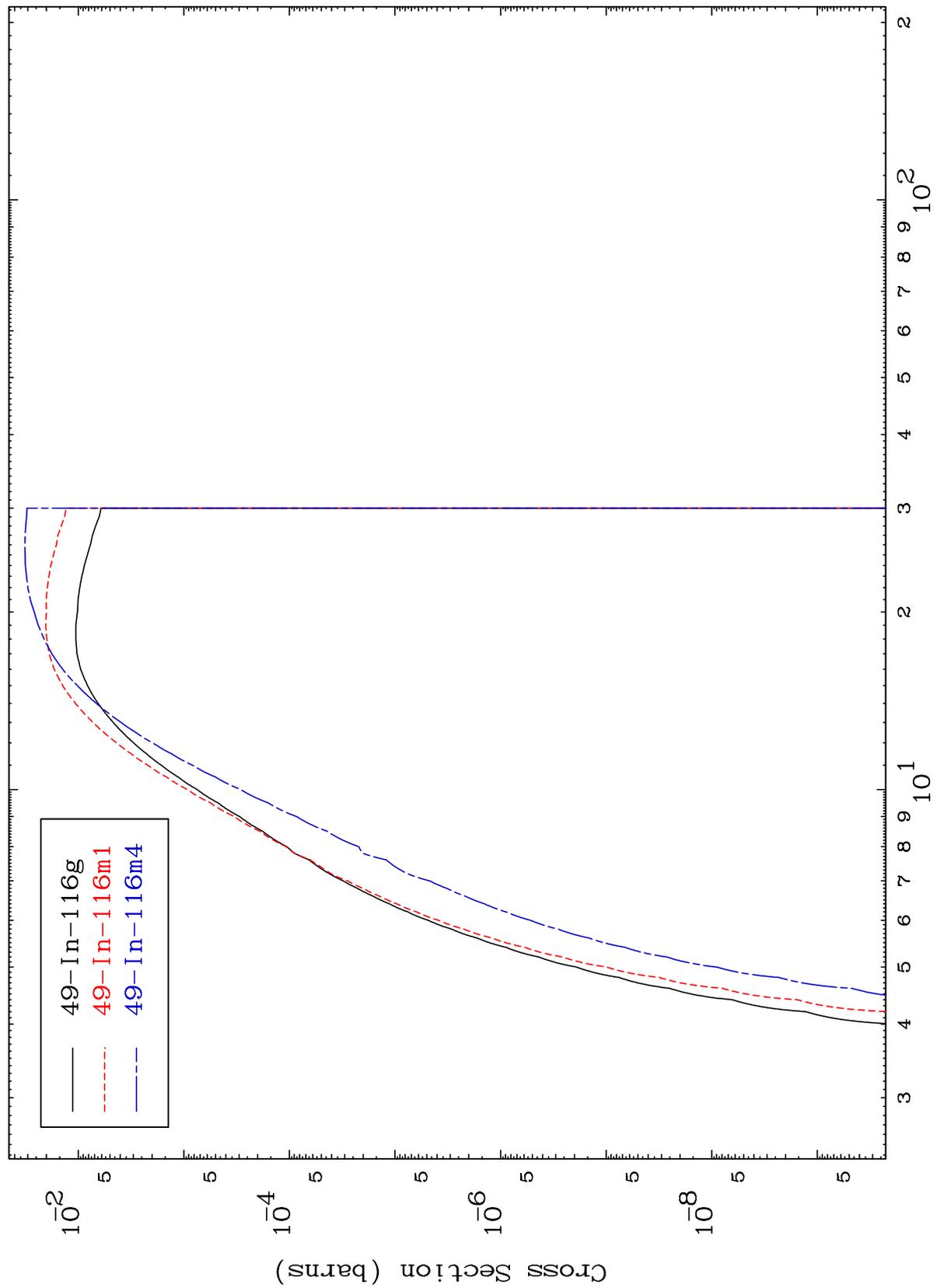
(n,γ)  
Radionuclide Production Cross Section



MAT 5037

50-Sn-116

(n,p)  
Radionuclide Production Cross Section



136

Incident Energy (MeV)

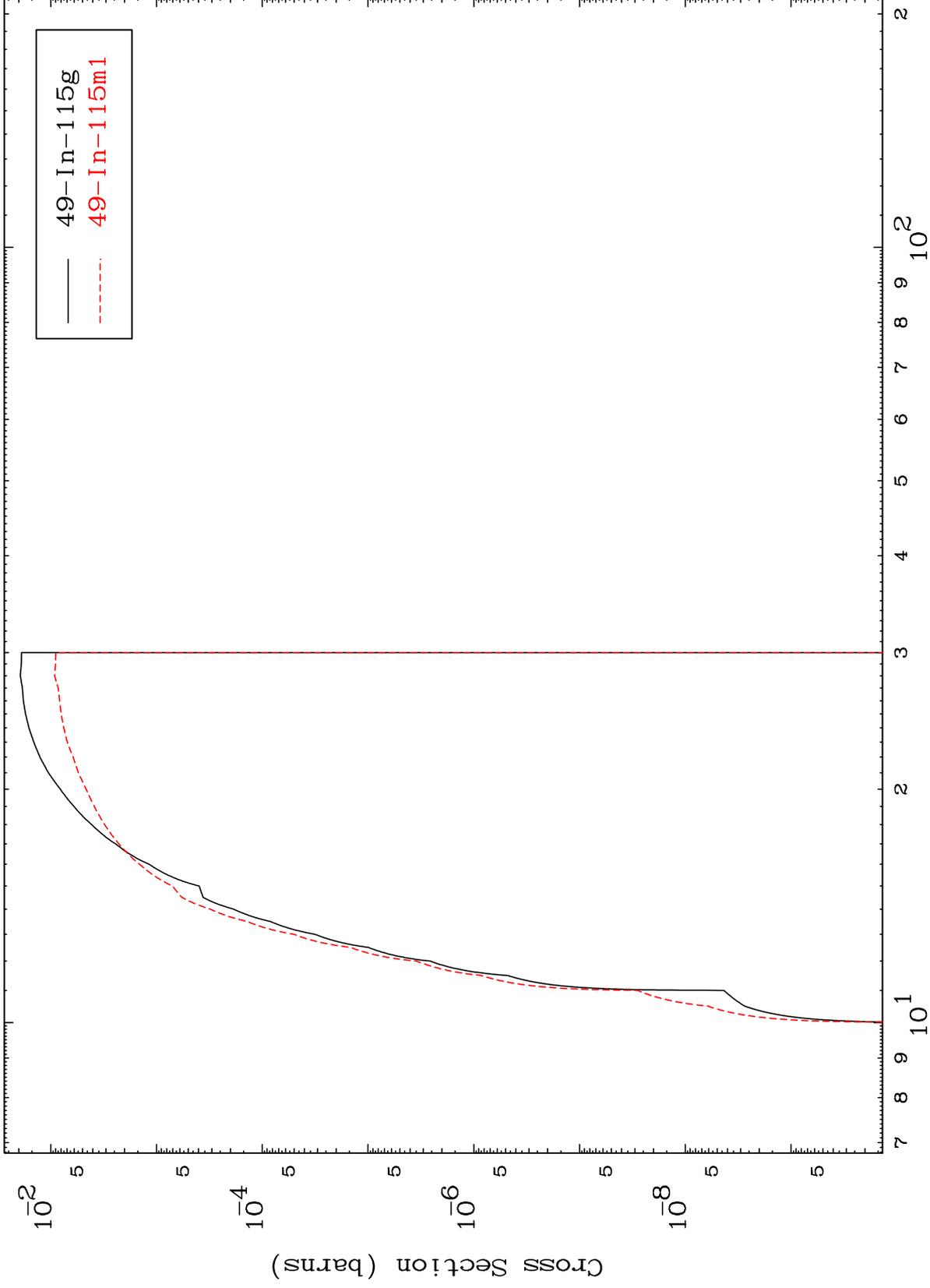
50-Sn-116

MAT 5037

(n,d)

50-Sn-116

Radionuclide Production Cross Section



137

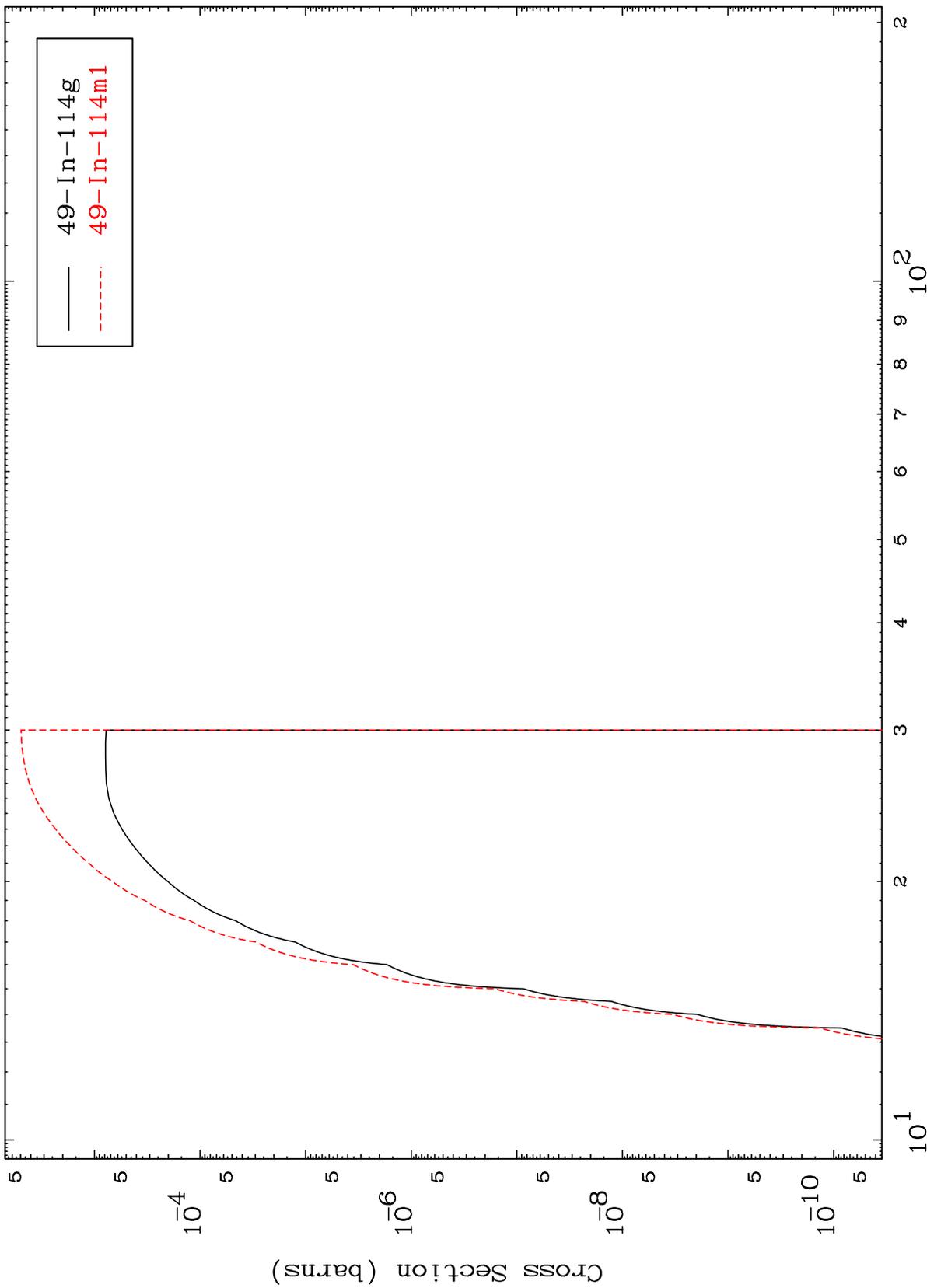
Incident Energy (MeV)

50-Sn-116

MAT 5037

50-Sn-116

(n,t)  
Radionuclide Production Cross Section



50-Sn-116

Incident Energy (MeV)

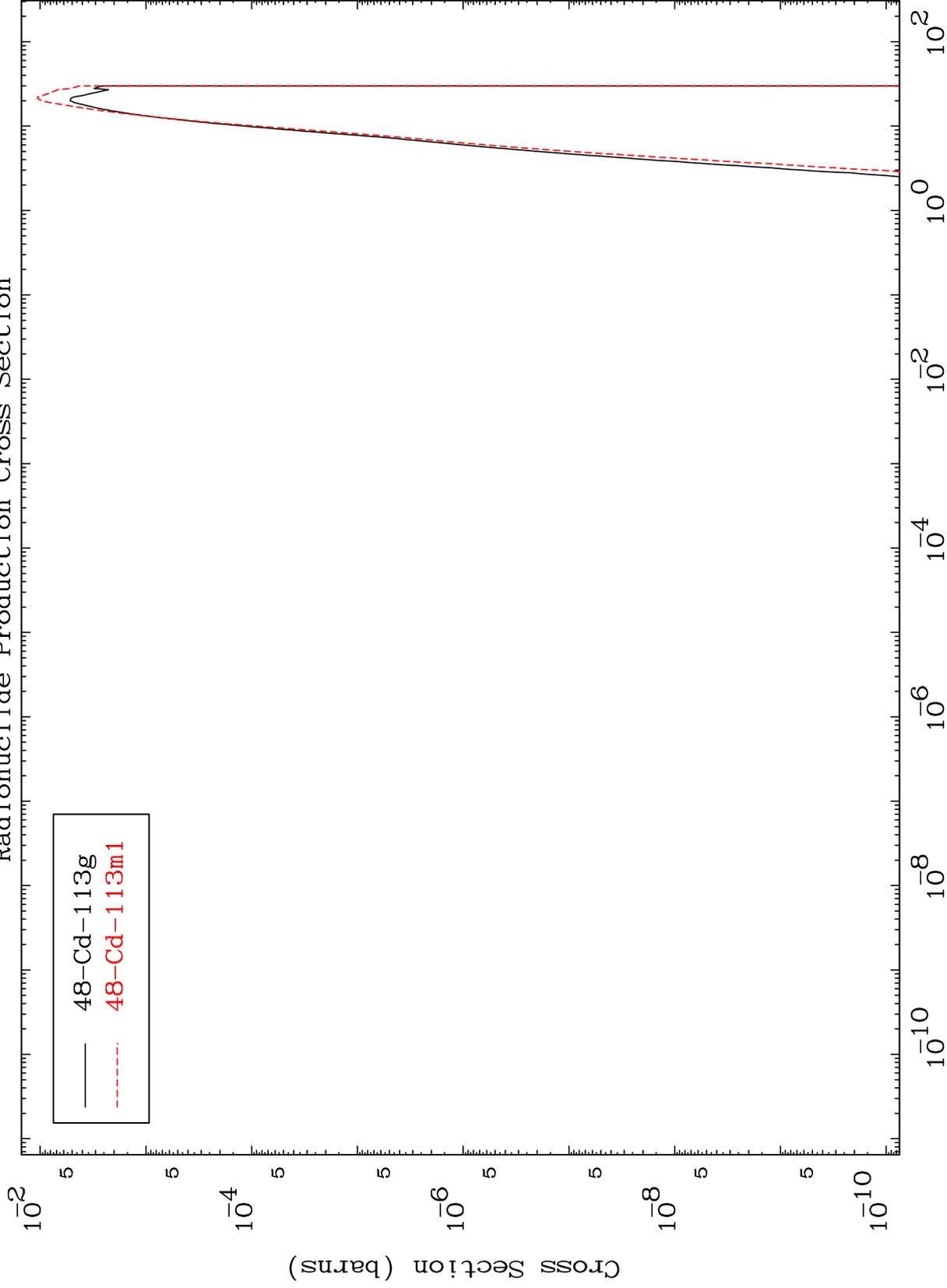
138

MAT 5037

(n,  $\alpha$ )

50-Sn-116

Radionuclide Production Cross Section



139

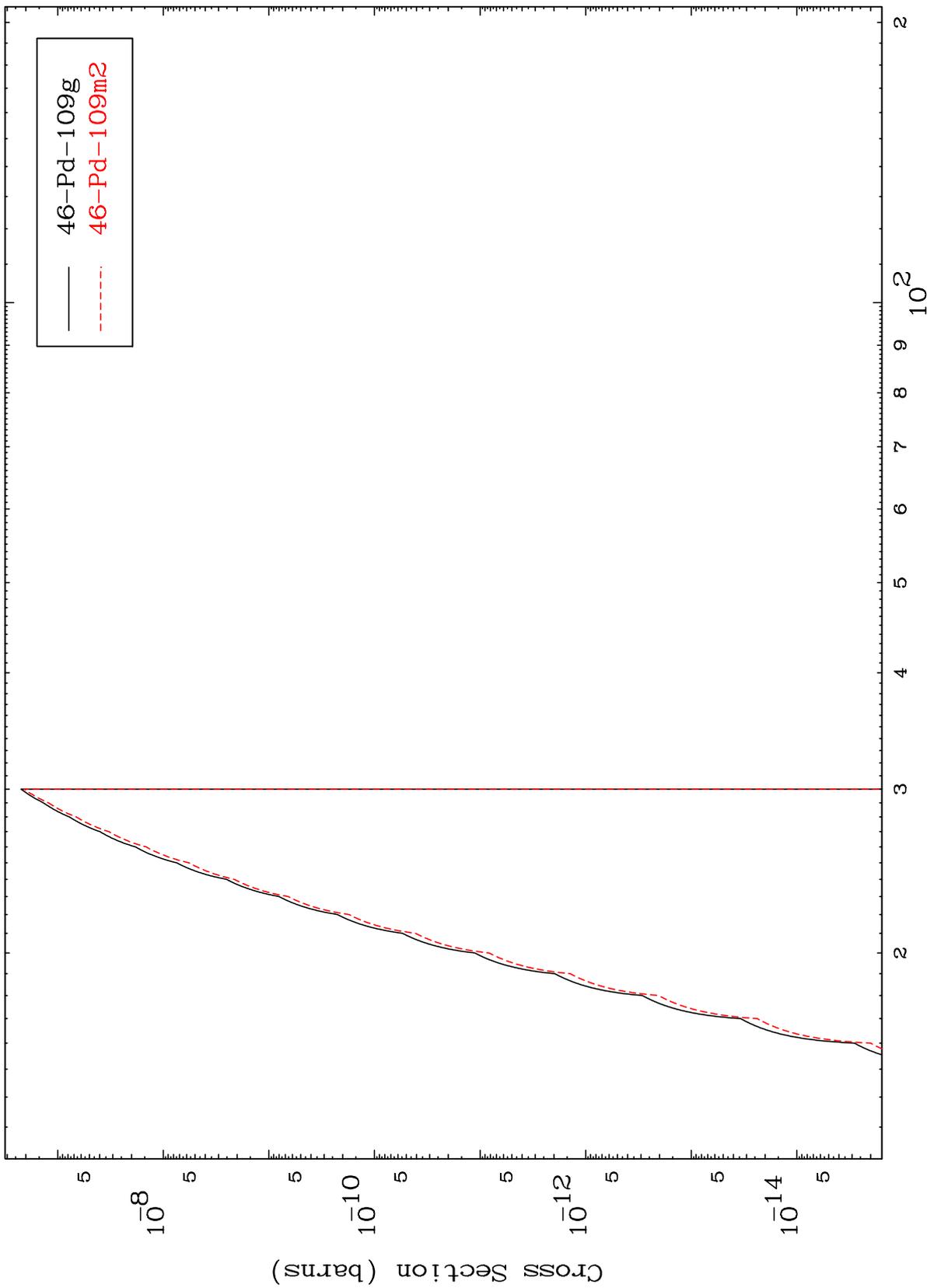
Incident Energy (MeV)

50-Sn-116

MAT 5037

50-Sn-116

Radionuclide Production Cross Section  
(n,2α)



140

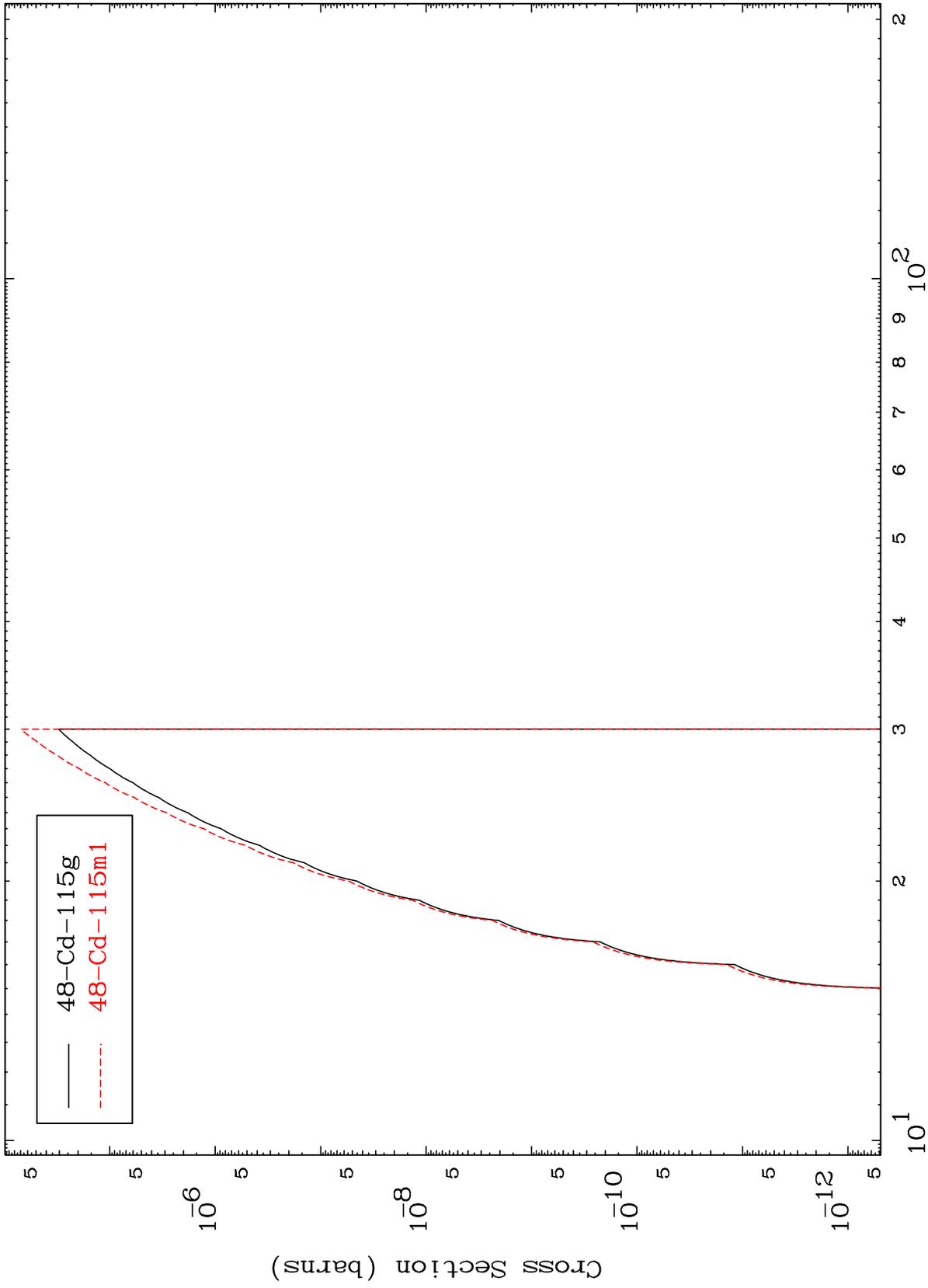
Incident Energy (MeV)

50-Sn-116

MAT 5037

50-Sn-116

(n,2p)  
Radionuclide Production Cross Section

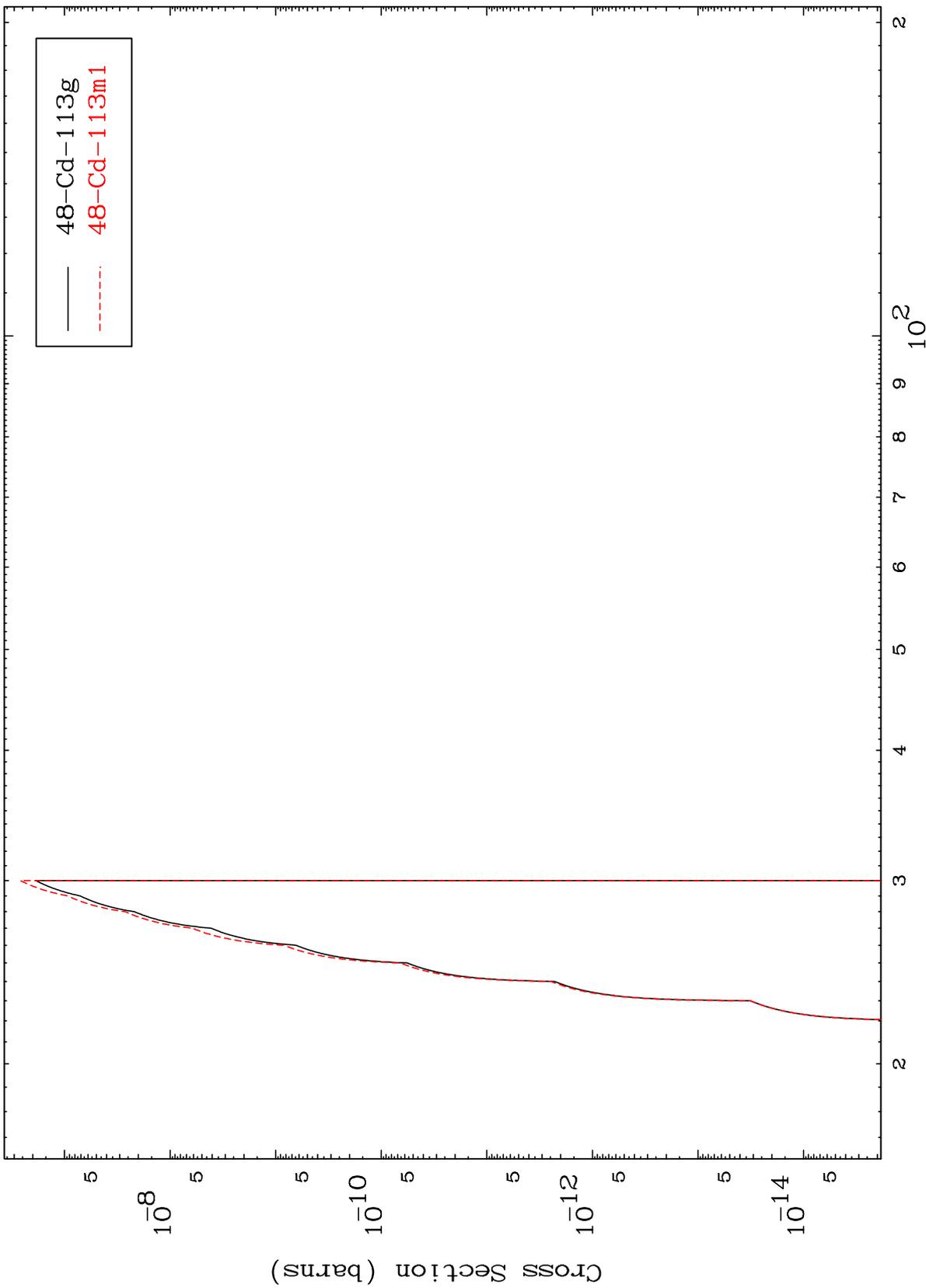


50-Sn-116

Incident Energy (MeV)

141

Radionuclide Production Cross Section

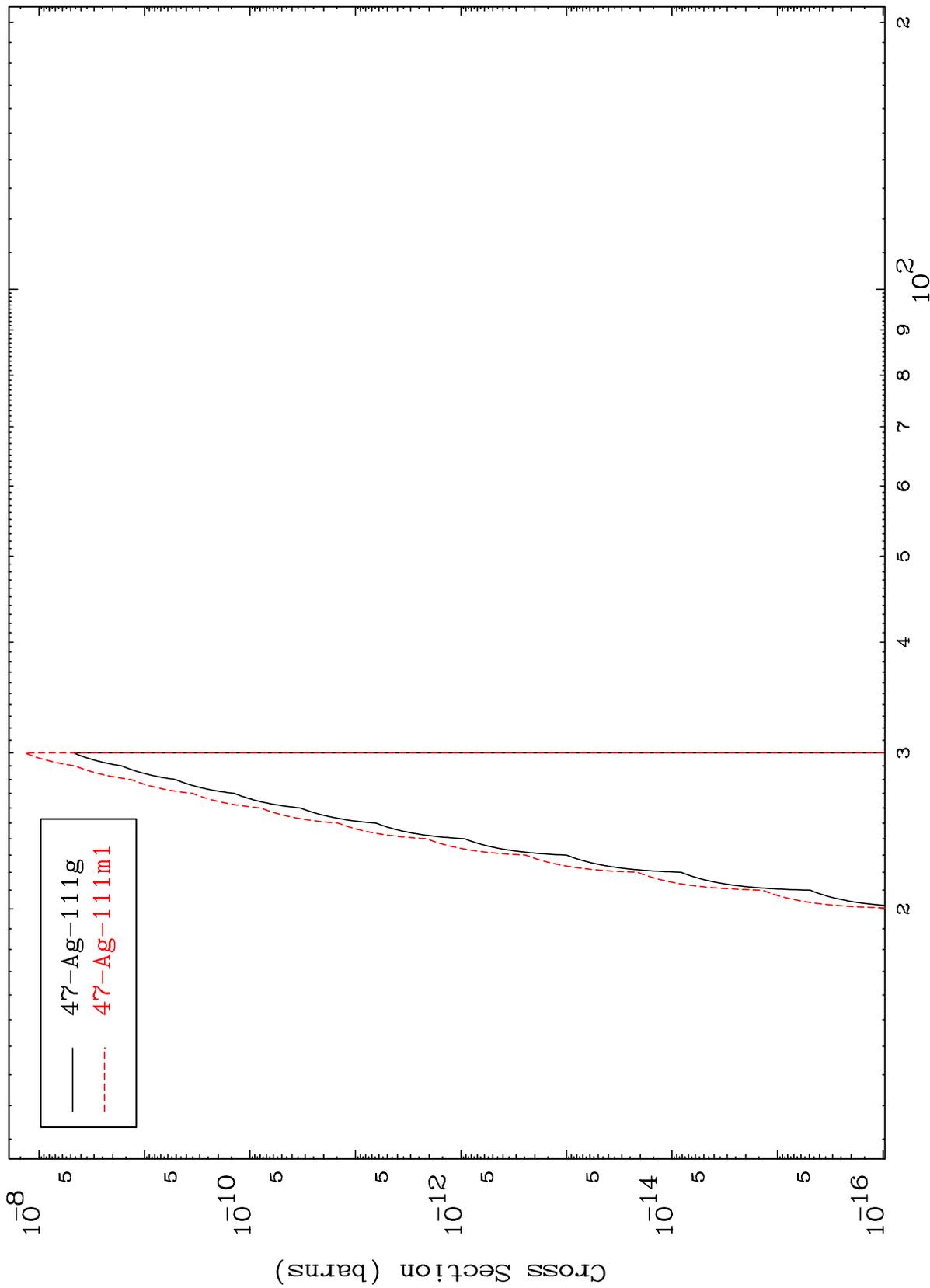


MAT 5037

(n,d)  $\alpha$

50-Sn-116

Radionuclide Production Cross Section



143

Incident Energy (MeV)

50-Sn-116