

Program EVALPLOT
(Version 2018-1)

by

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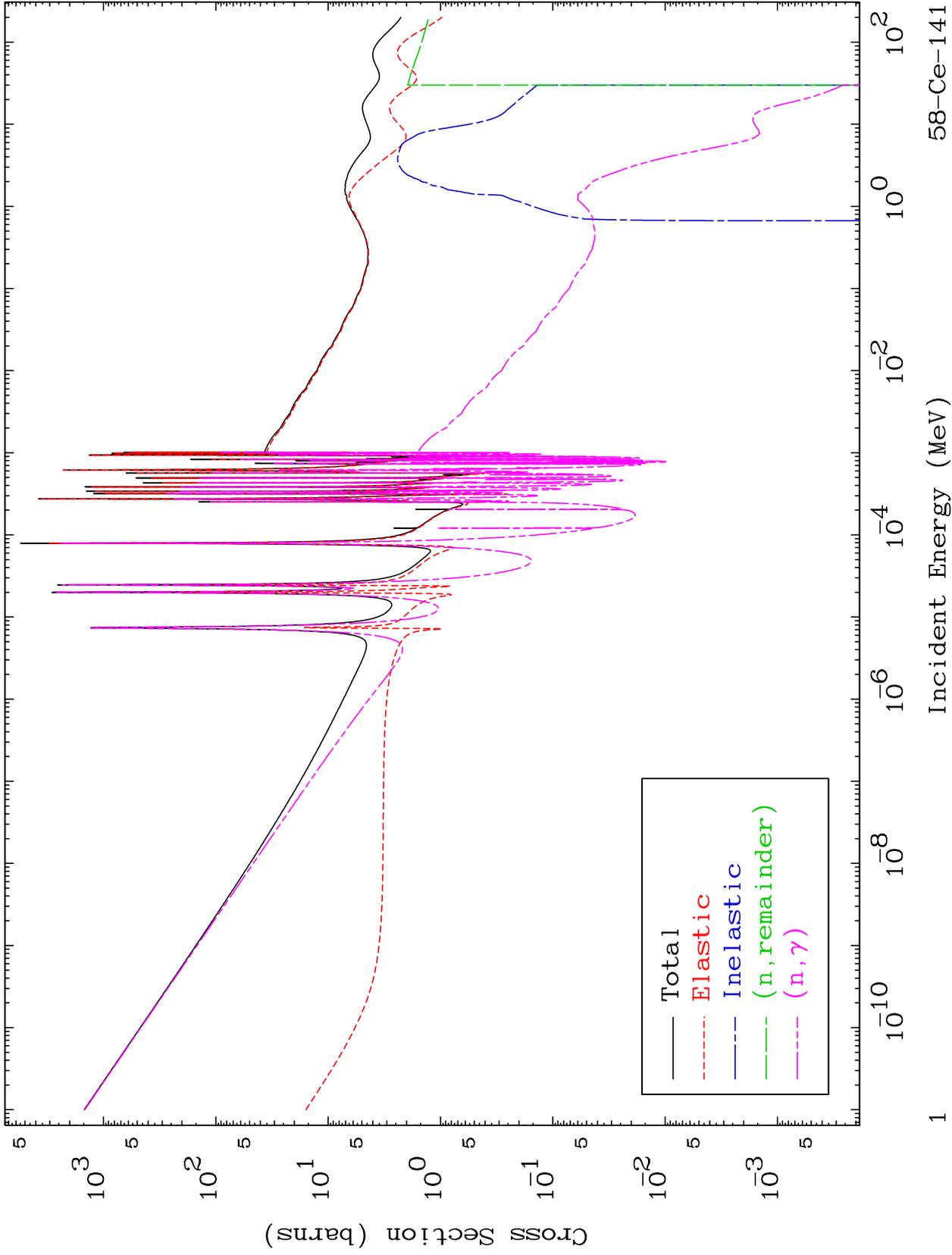
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Press Mouse Button to Start

MAT 5840

Major
293 Kelvin Cross Sections

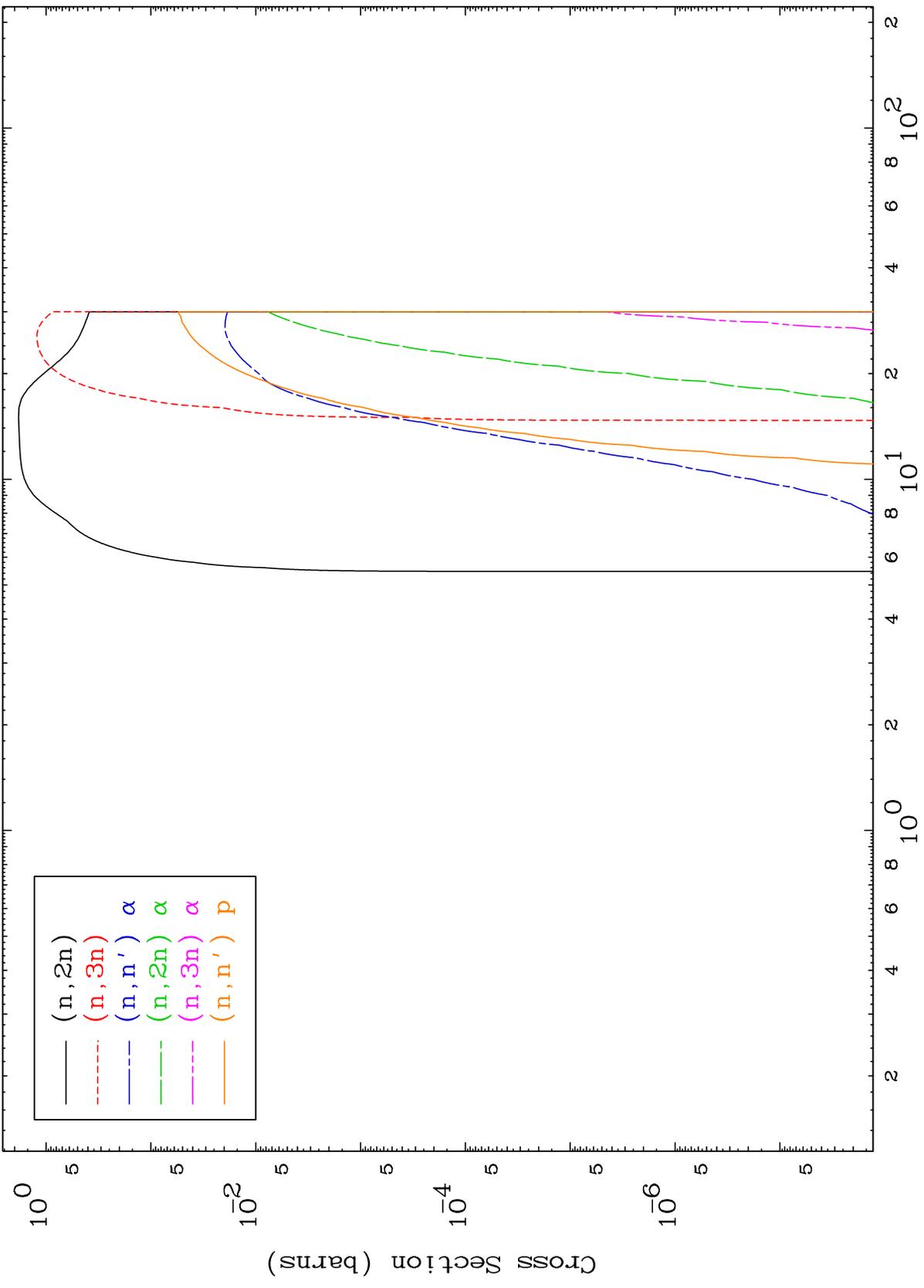
58-Ce-141

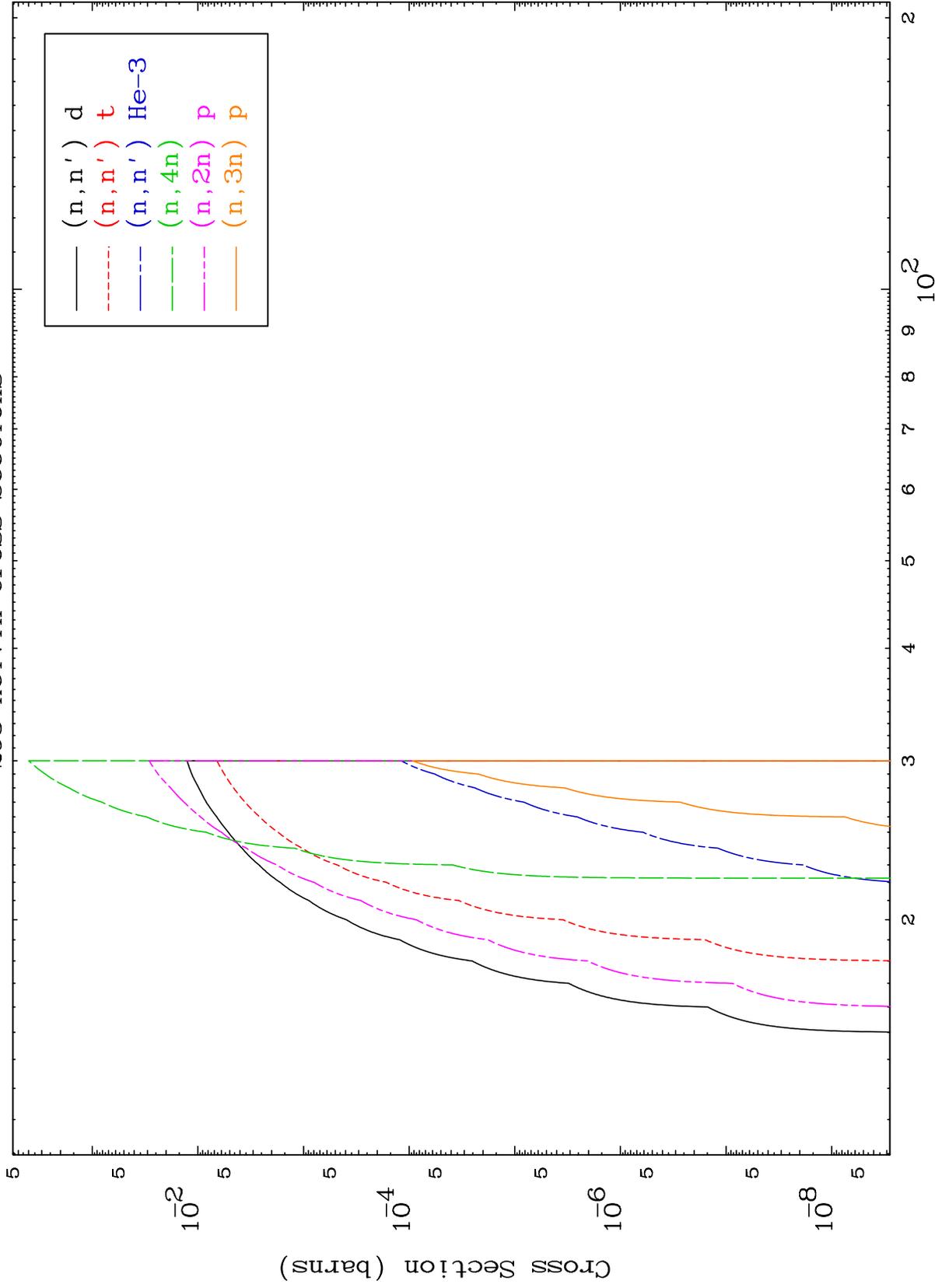


MAT 5840

Neutron Production
293 Kelvin Cross Sections

58-Ce-141

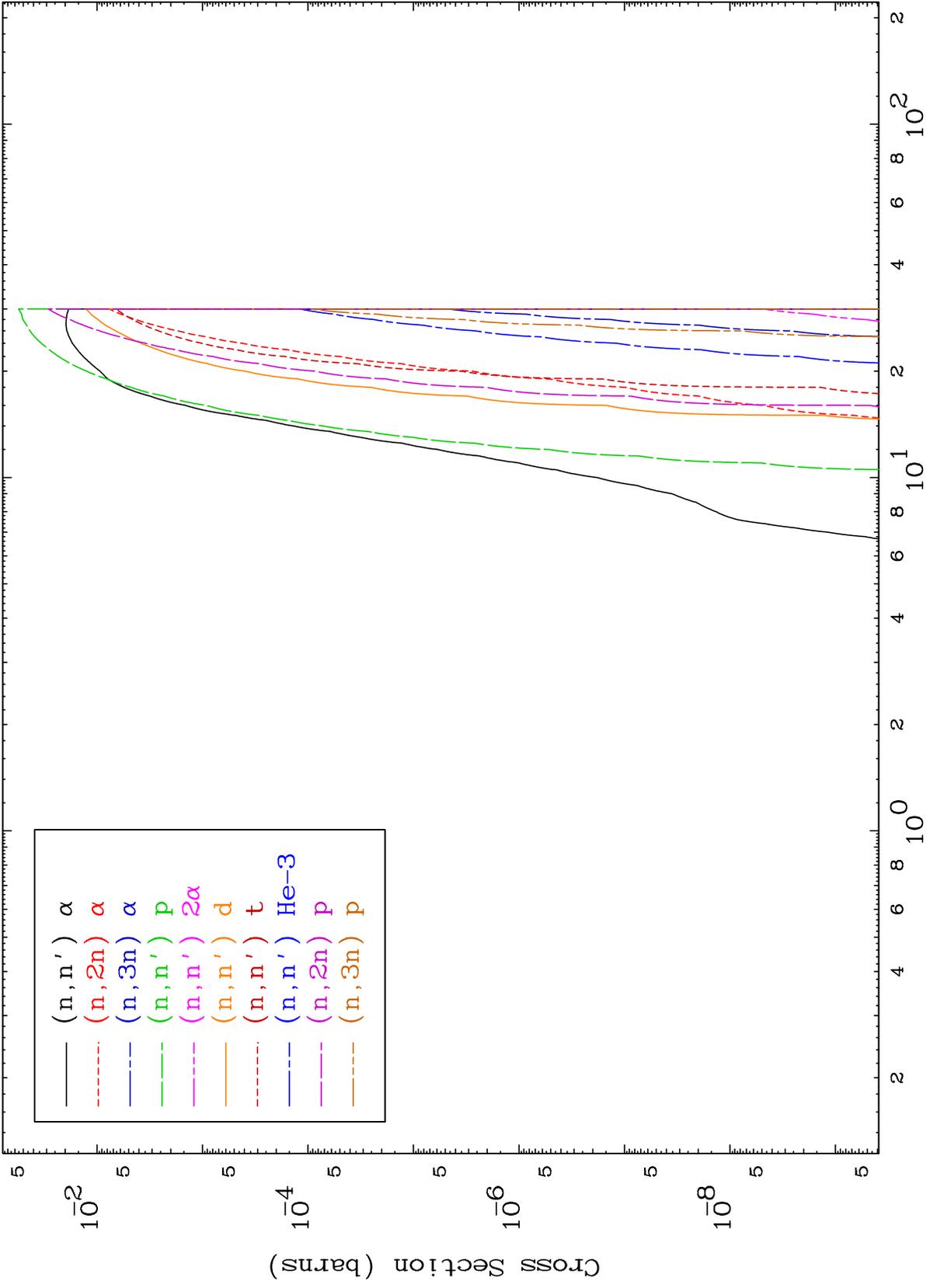




MAT 5840

Charged Particle
293 Kelvin Cross Sections

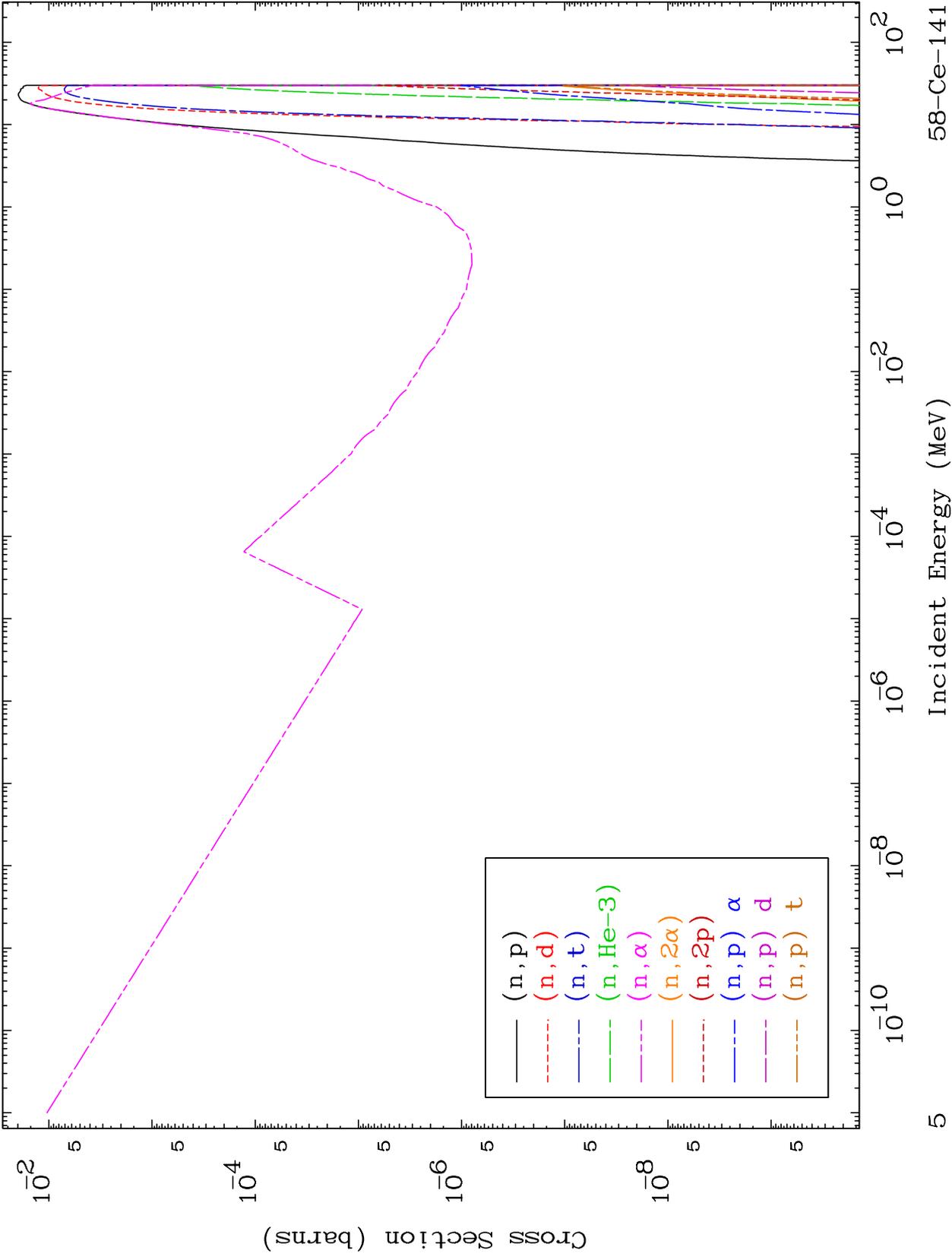
58-Ce-141



MAT 5840

Charged Particle
293 Kelvin Cross Sections

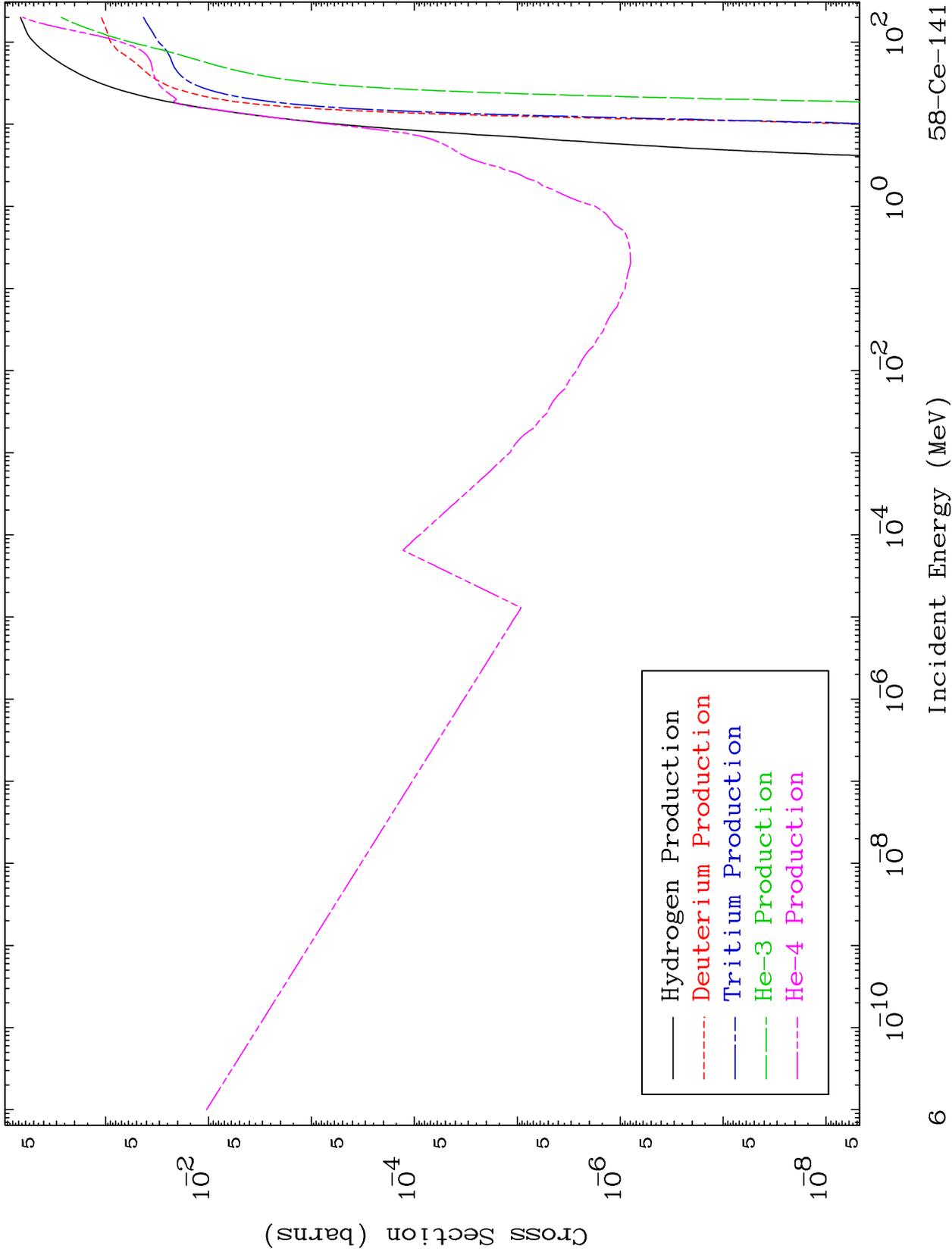
58-Ce-141



MAT 5840

Particle Production
293 Kelvin Cross Sections

58-Ce-141

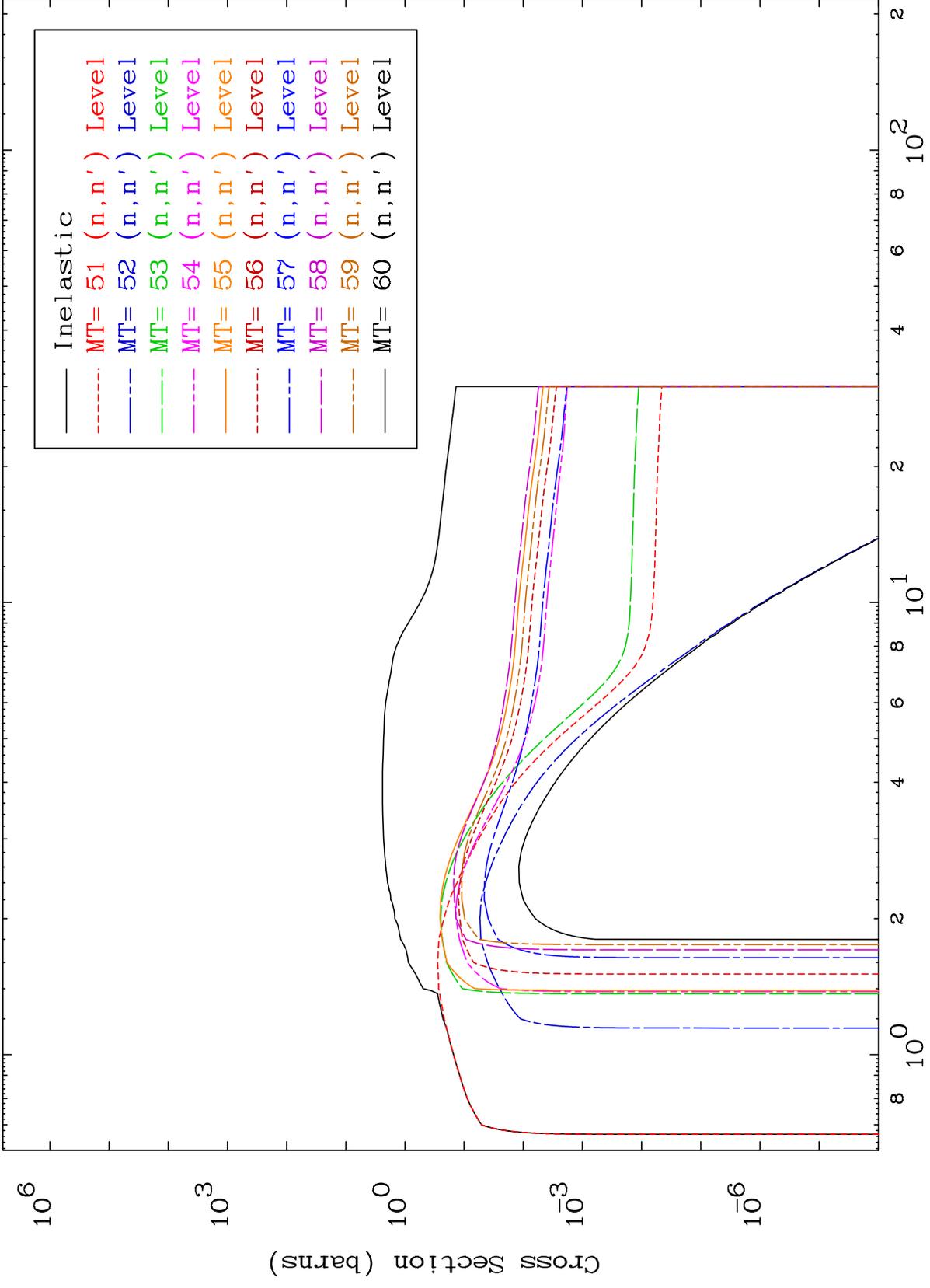


MAT 5840

(n,n') Level

58-Ce-141

293 Kelvin Cross Sections

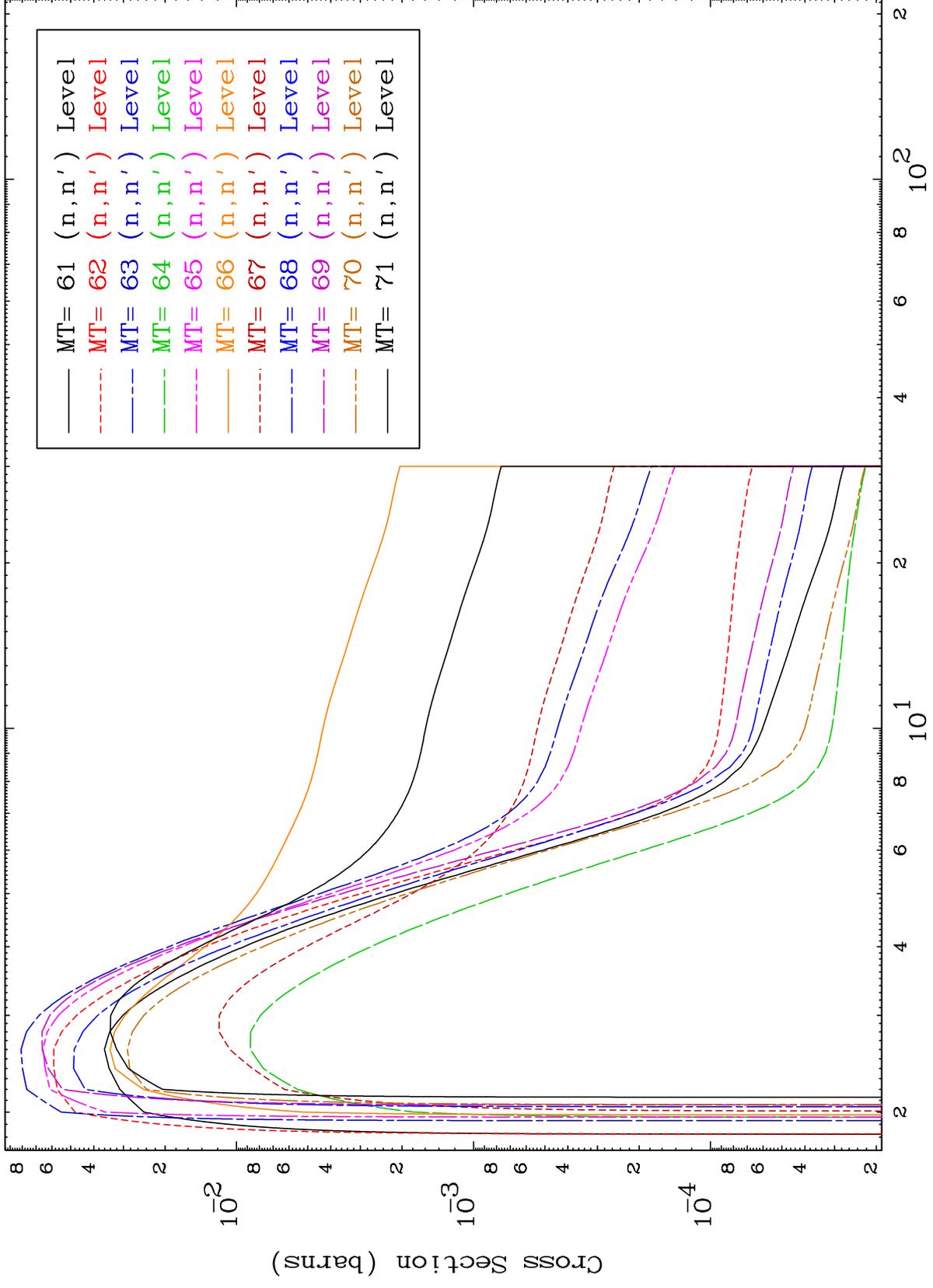


MAT 5840

(n,n') Level

58-Ce-141

293 Kelvin Cross Sections

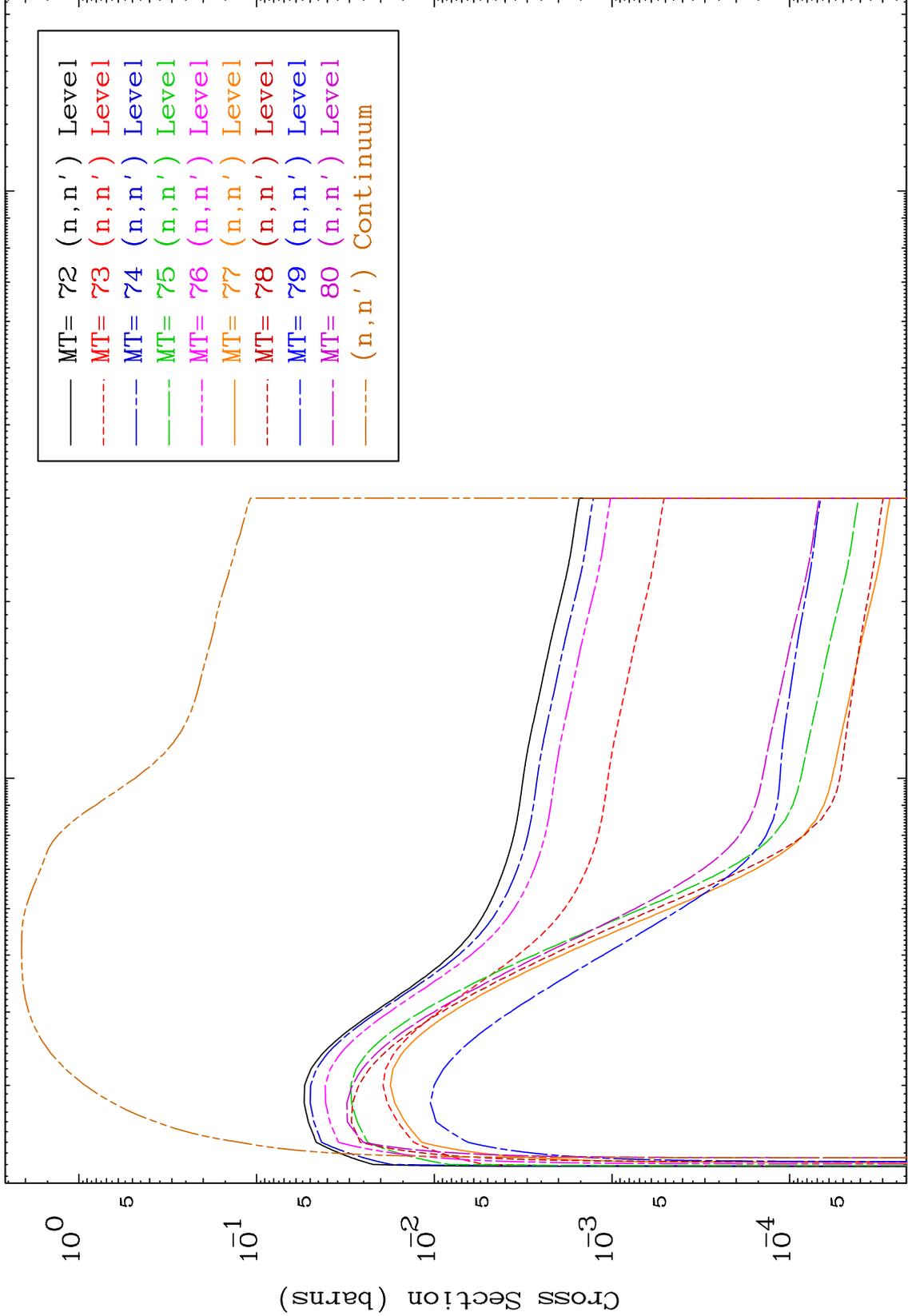


8

Incident Energy (MeV)

58-Ce-141

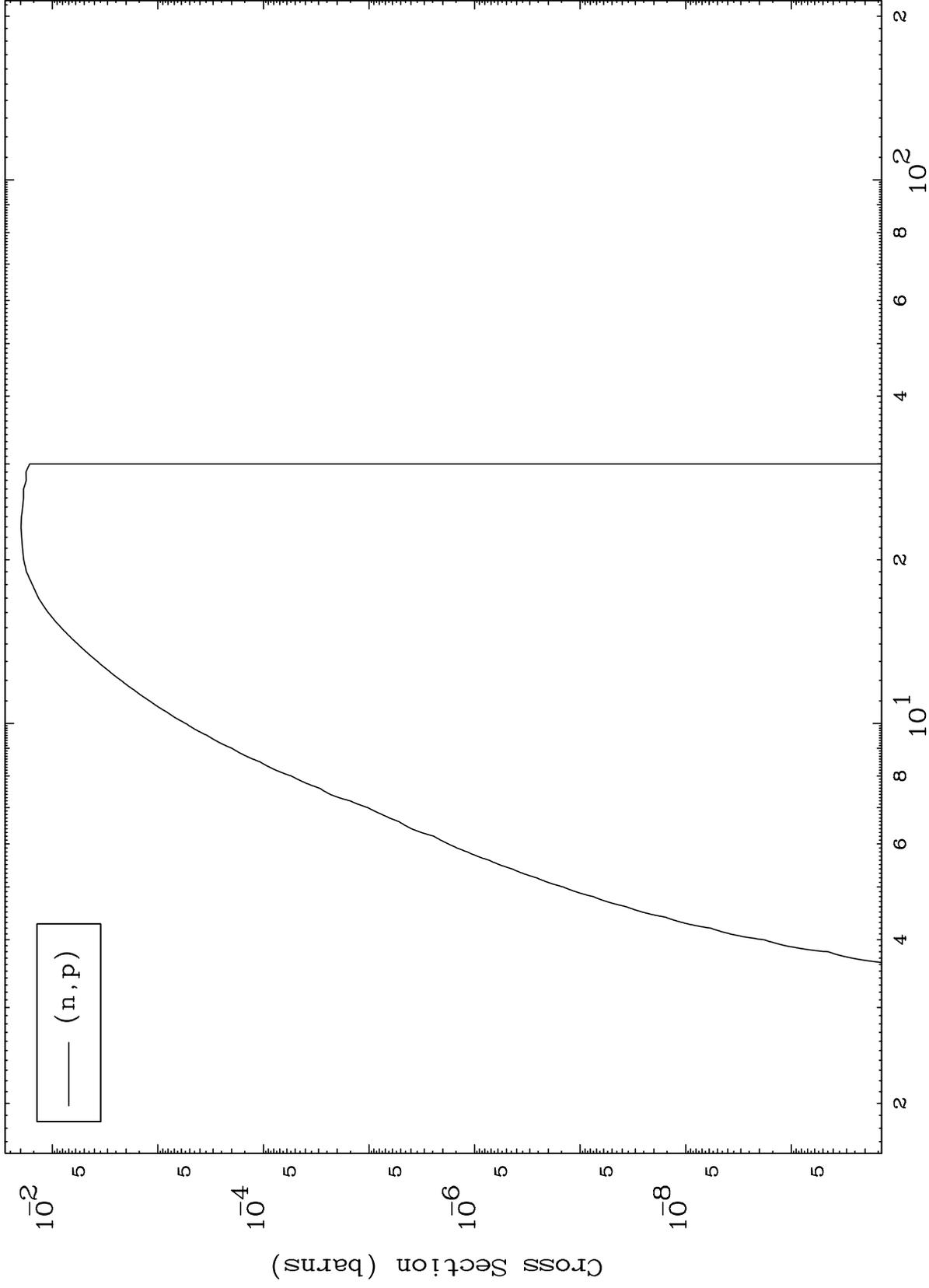
293 Kelvin Cross Sections



MAT 5840

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-141



10

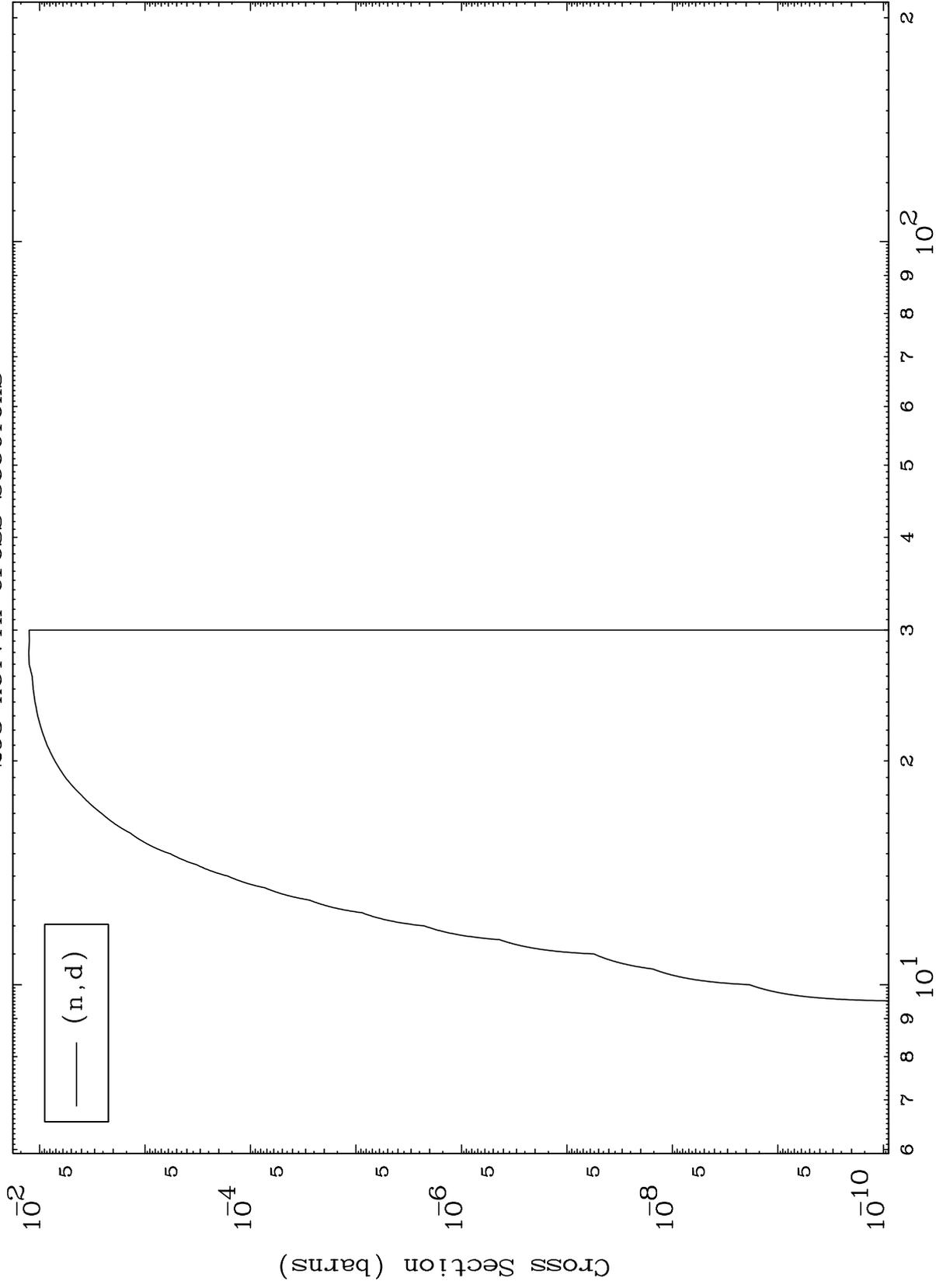
Incident Energy (MeV)

58-Ce-141

MAT 5840

(n,d) Levels
293 Kelvin Cross Sections

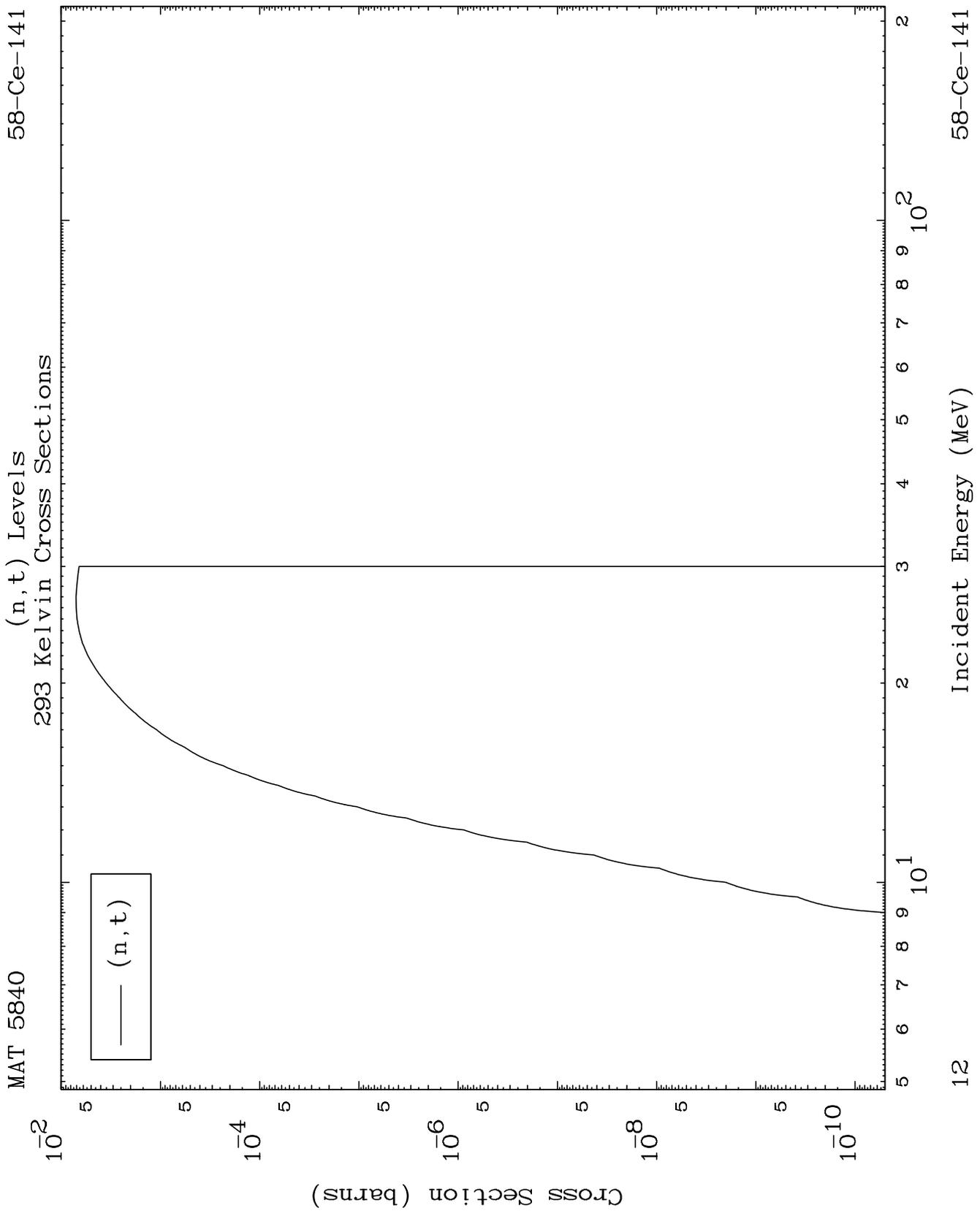
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11

Incident Energy (MeV)

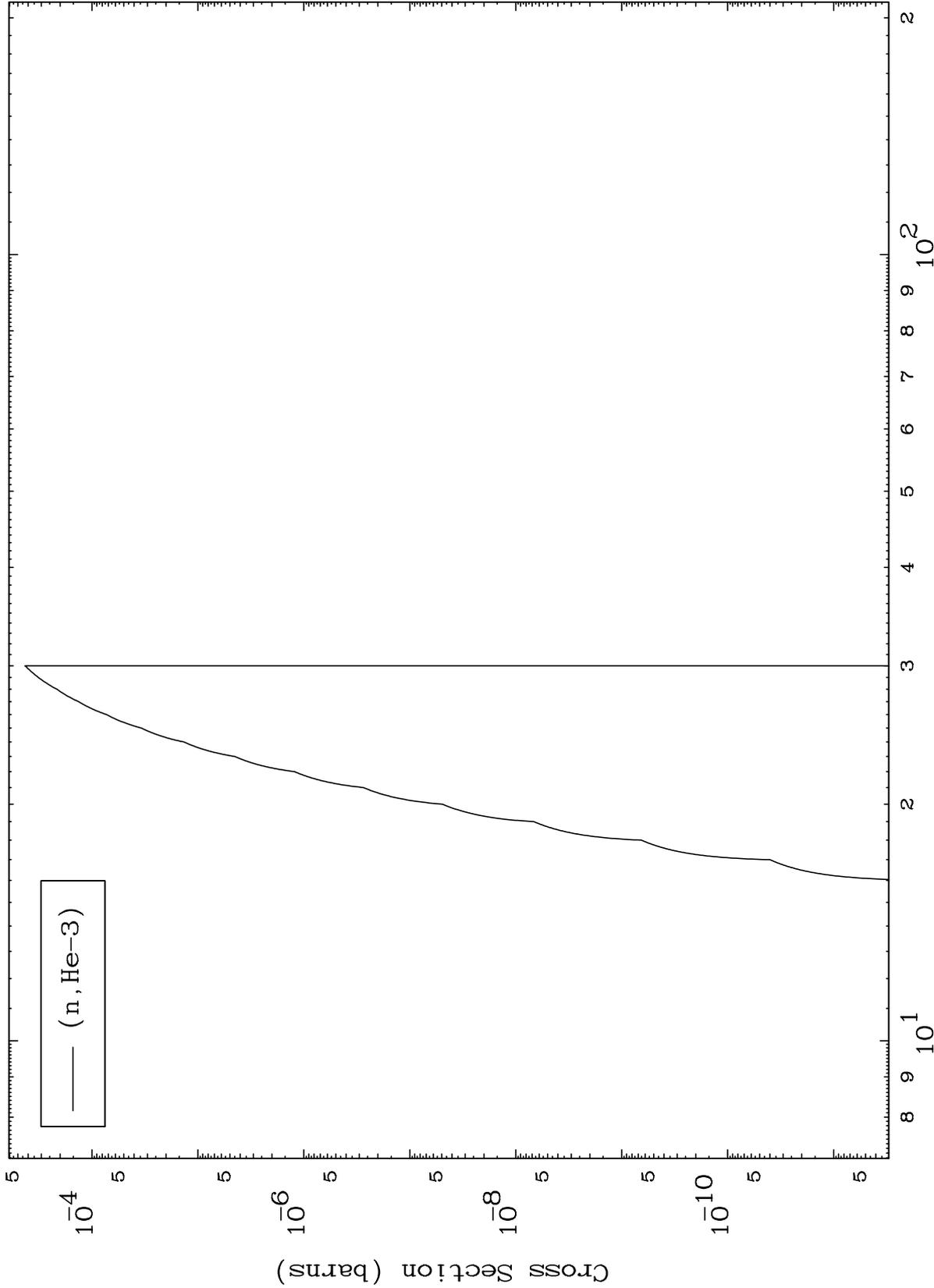
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MAT 5840

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-141



13

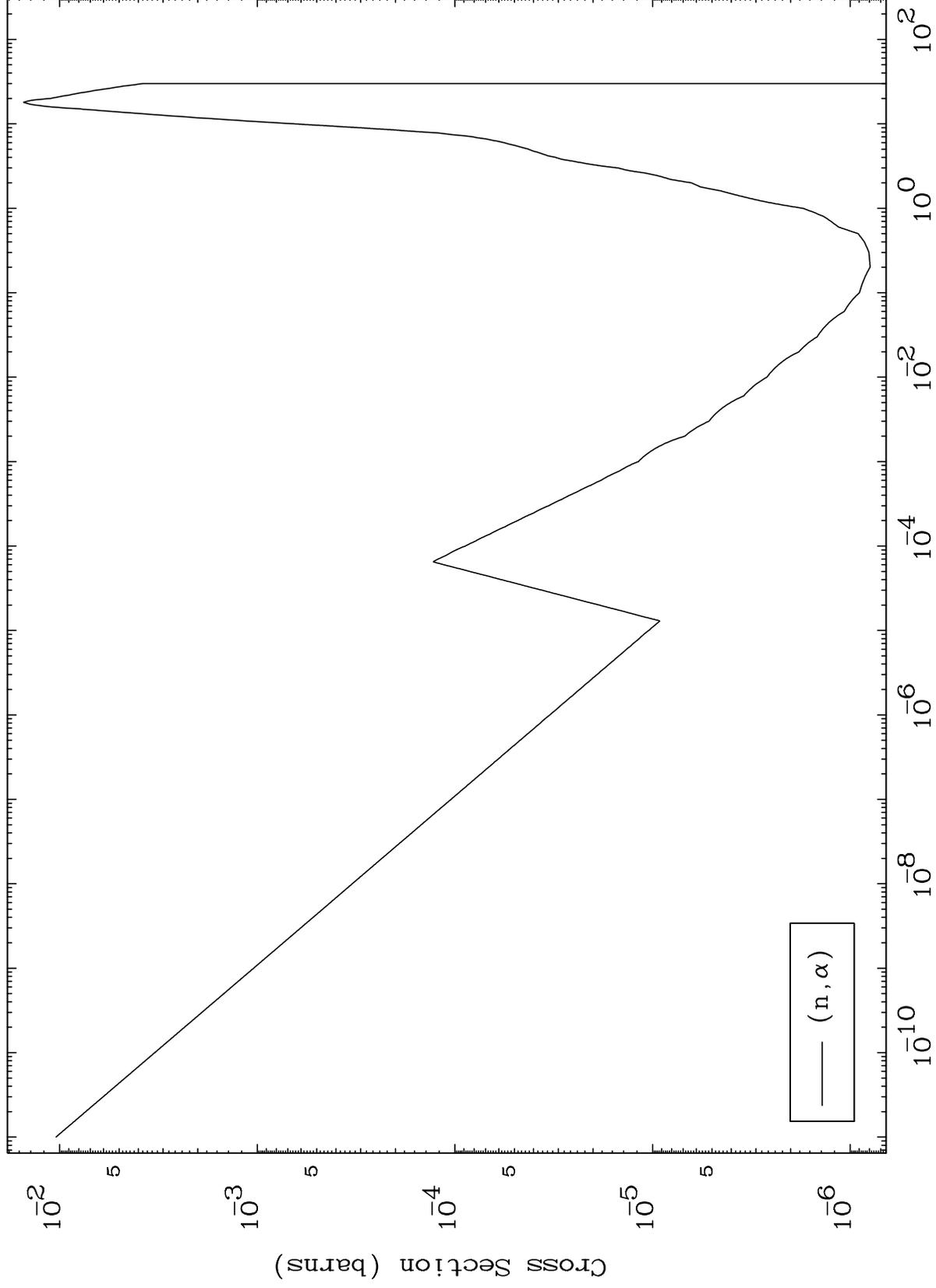
Incident Energy (MeV)

58-Ce-141

MAT 5840

(n, α) Levels
293 Kelvin Cross Sections

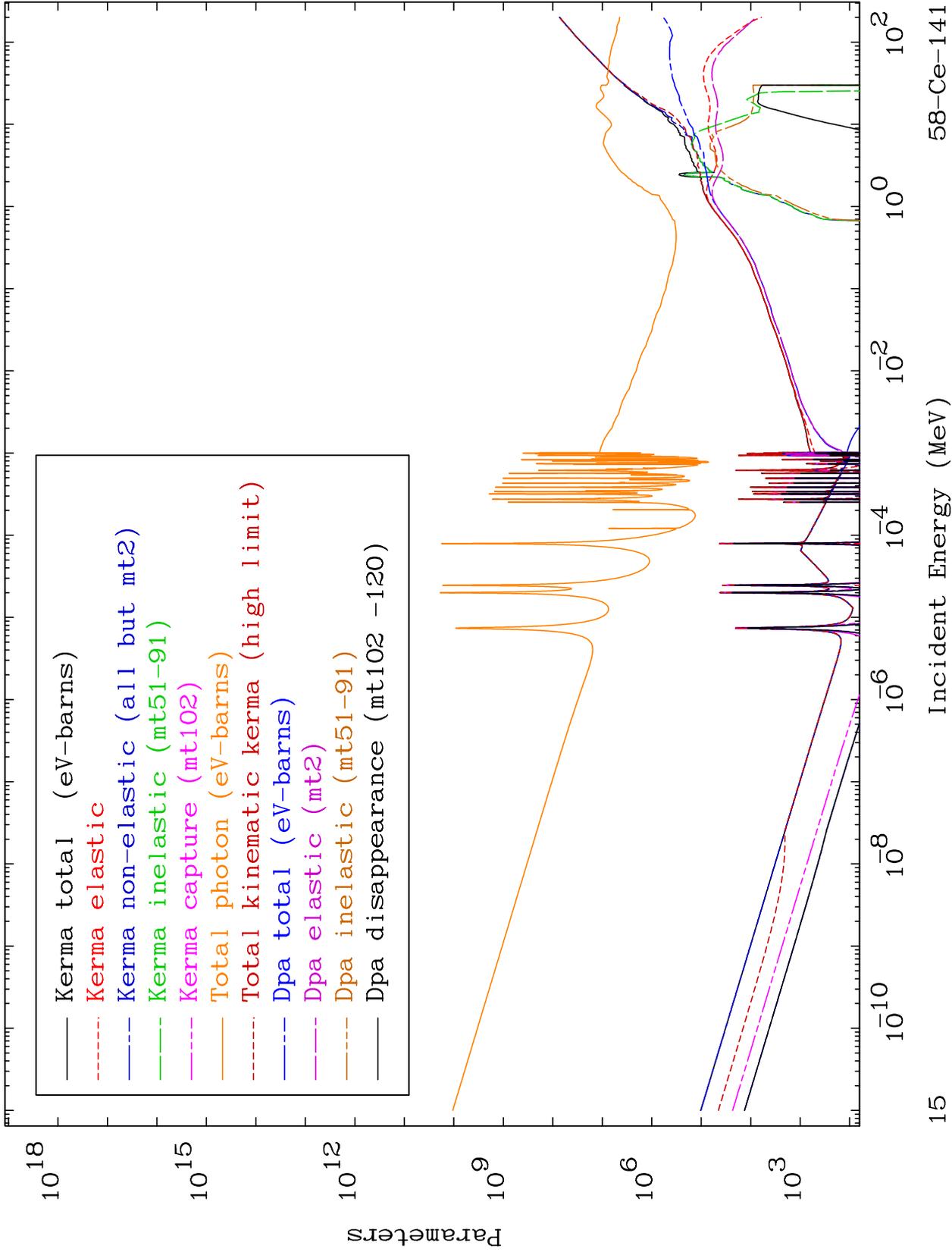
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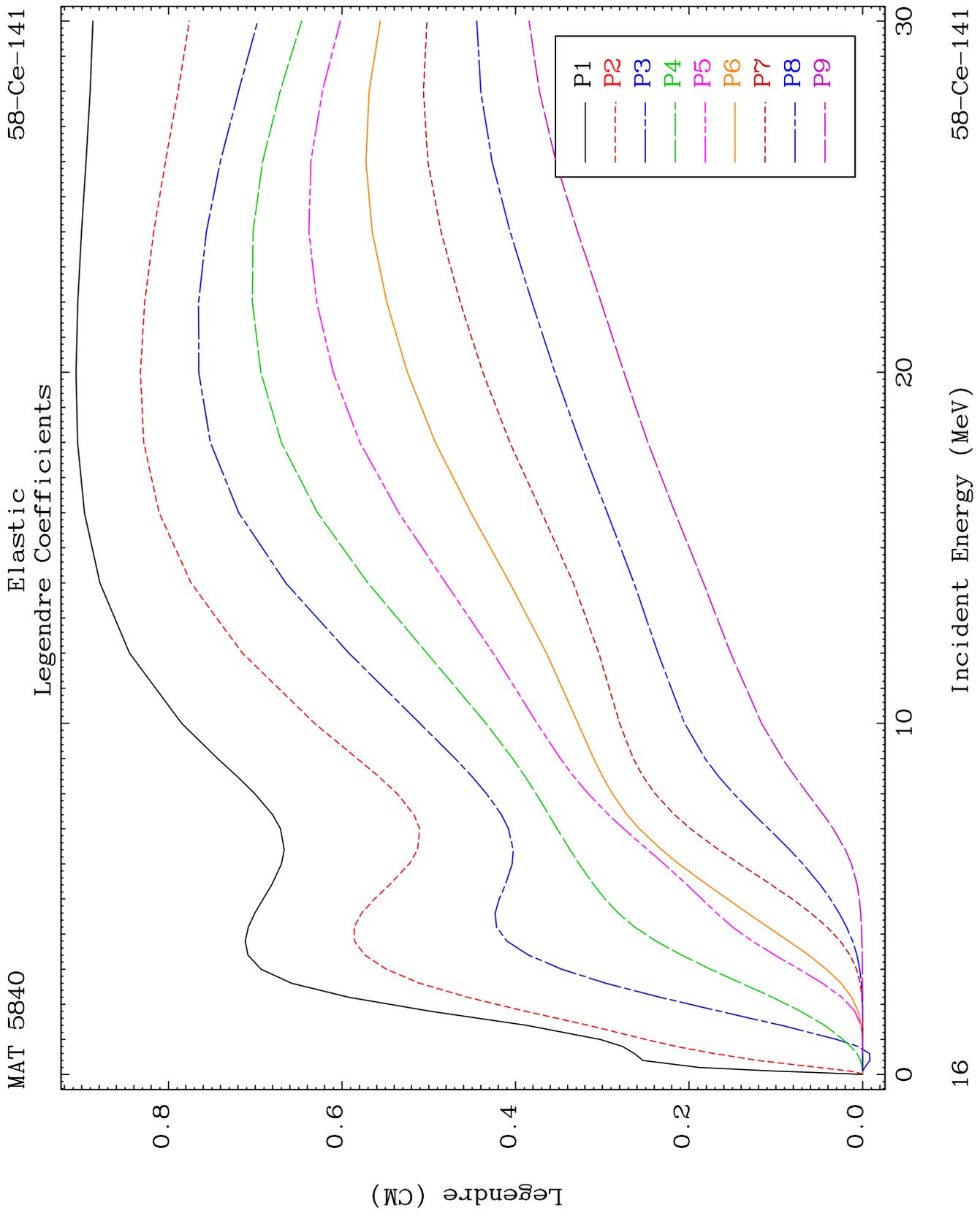


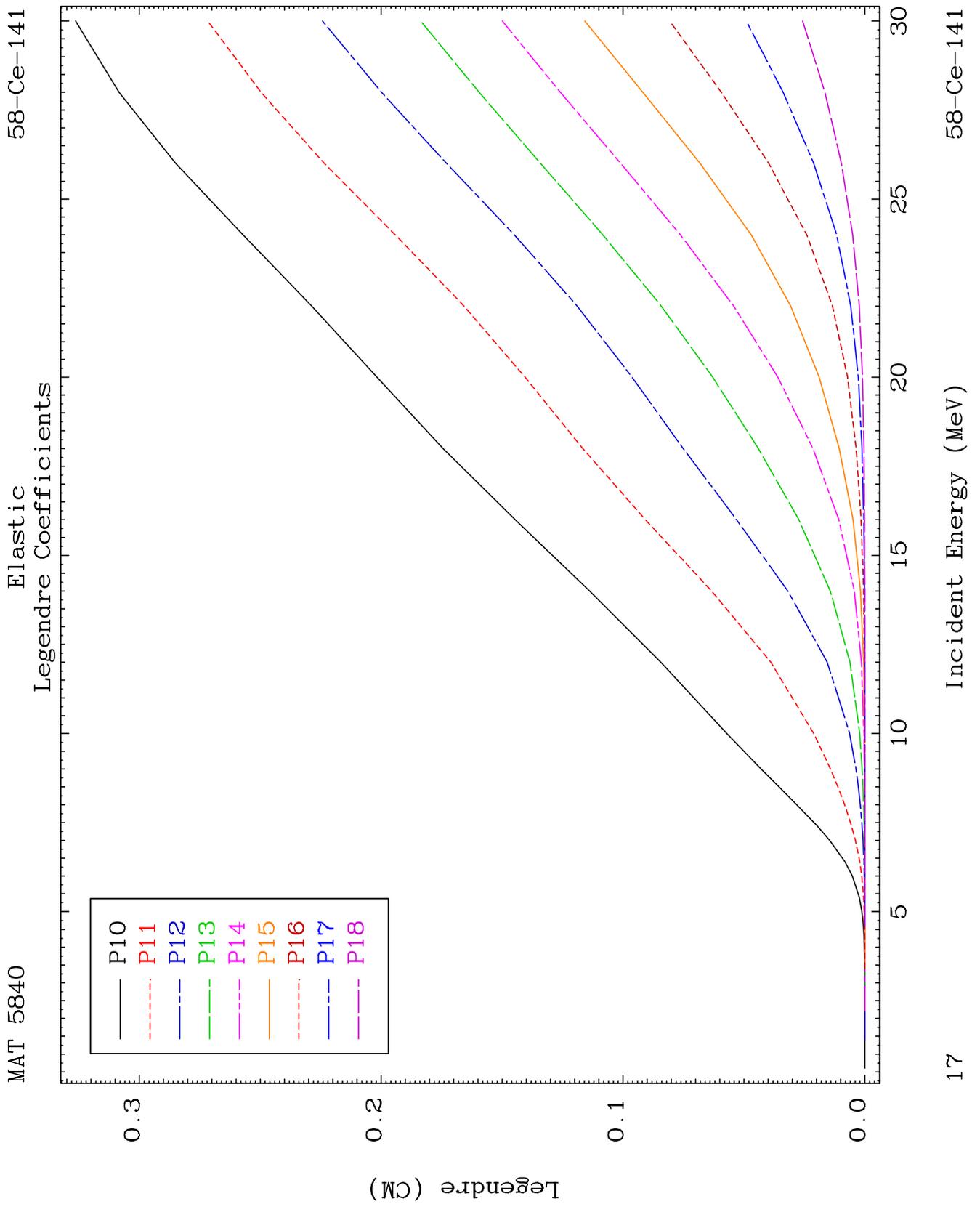
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Incident Energy (MeV)

58-Ce-141



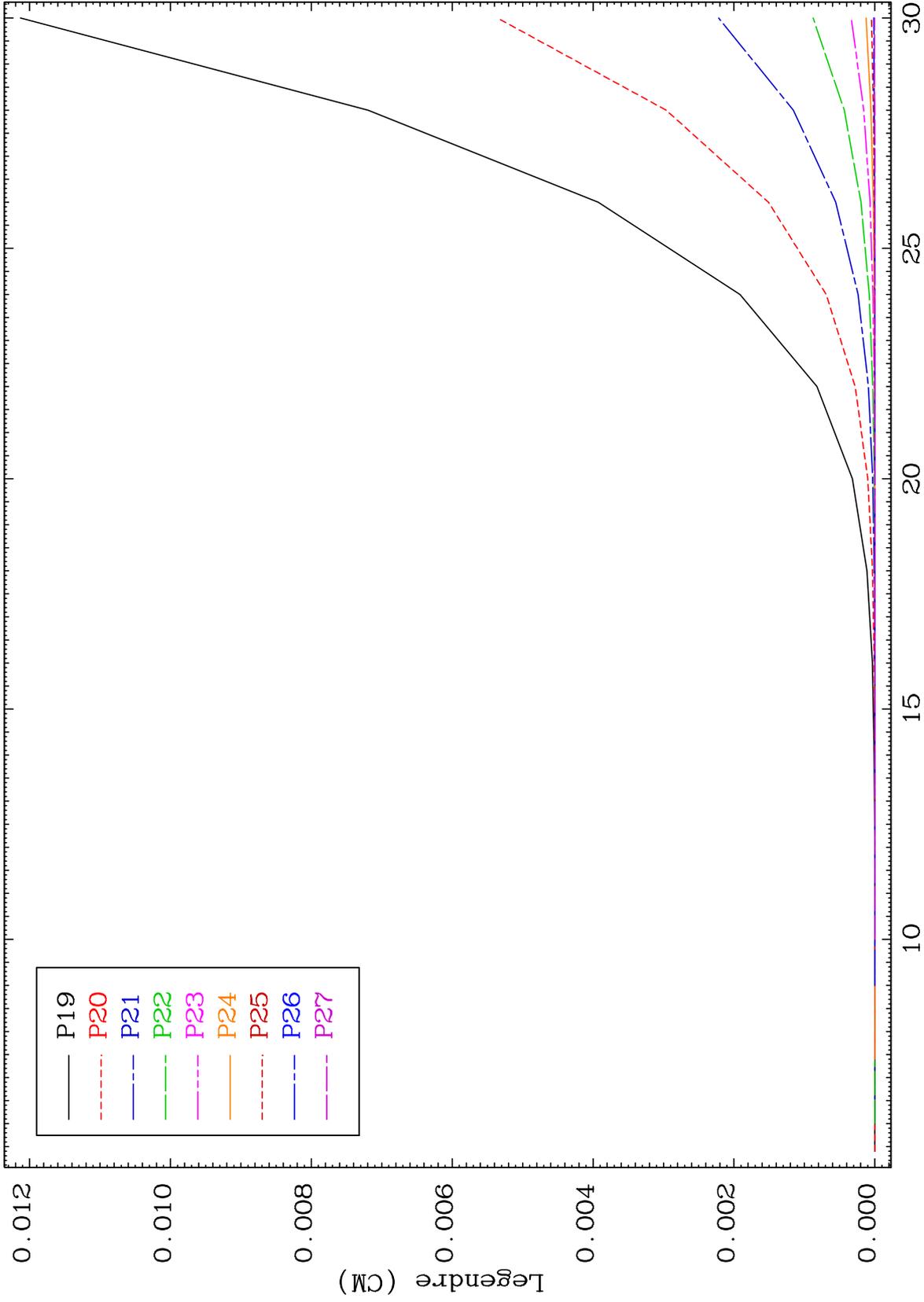




MAT 5840

Elastic
Legendre Coefficients

58-Ce-141



18

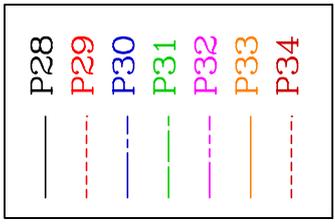
Incident Energy (MeV)

58-Ce-141

MAT 5840

Elastic
Legendre Coefficients

58-Ce-141



$\times 10^{-6}$

1.2

0.8

0.4

0.0

Legendre (CM)

15

20

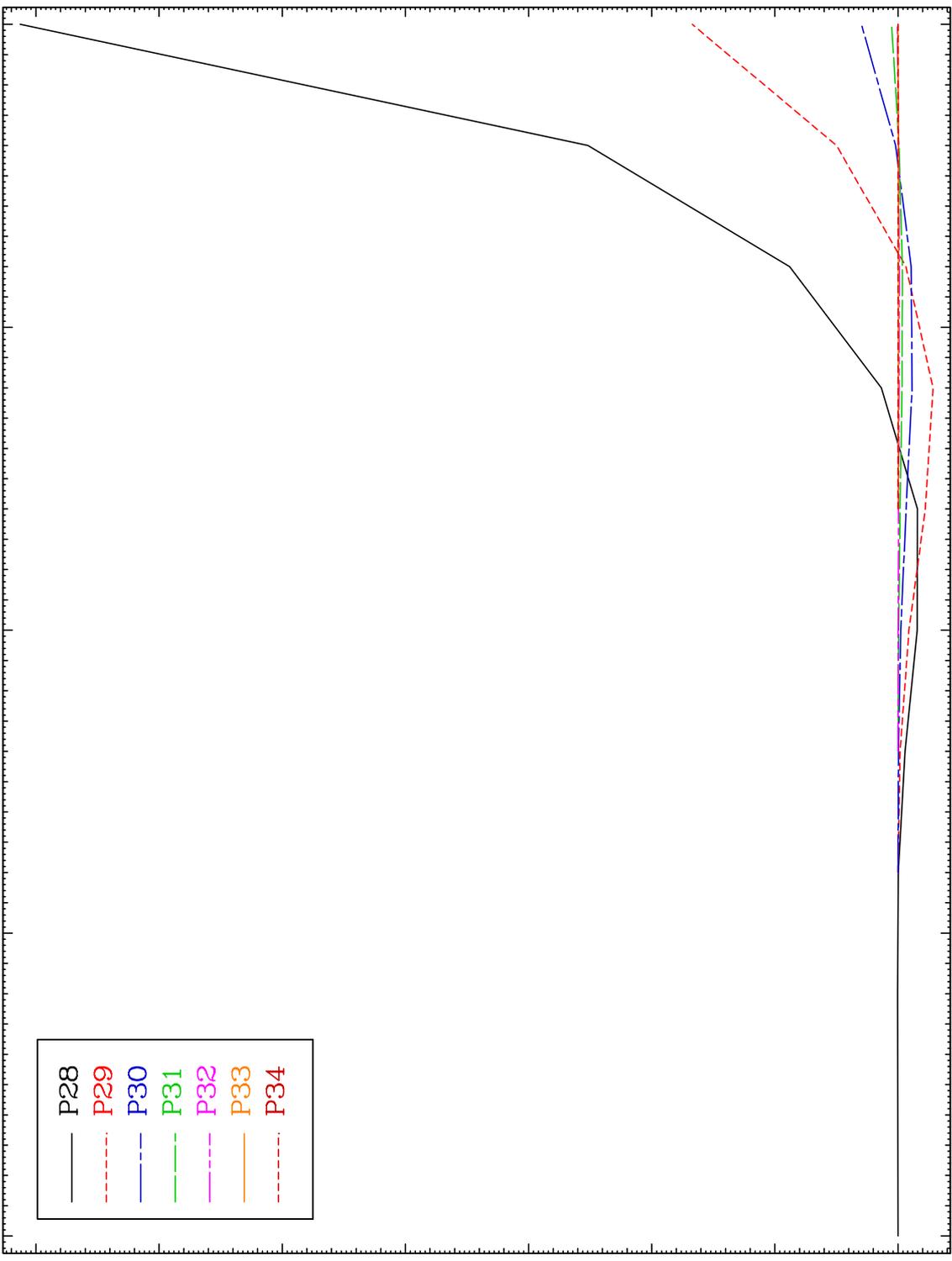
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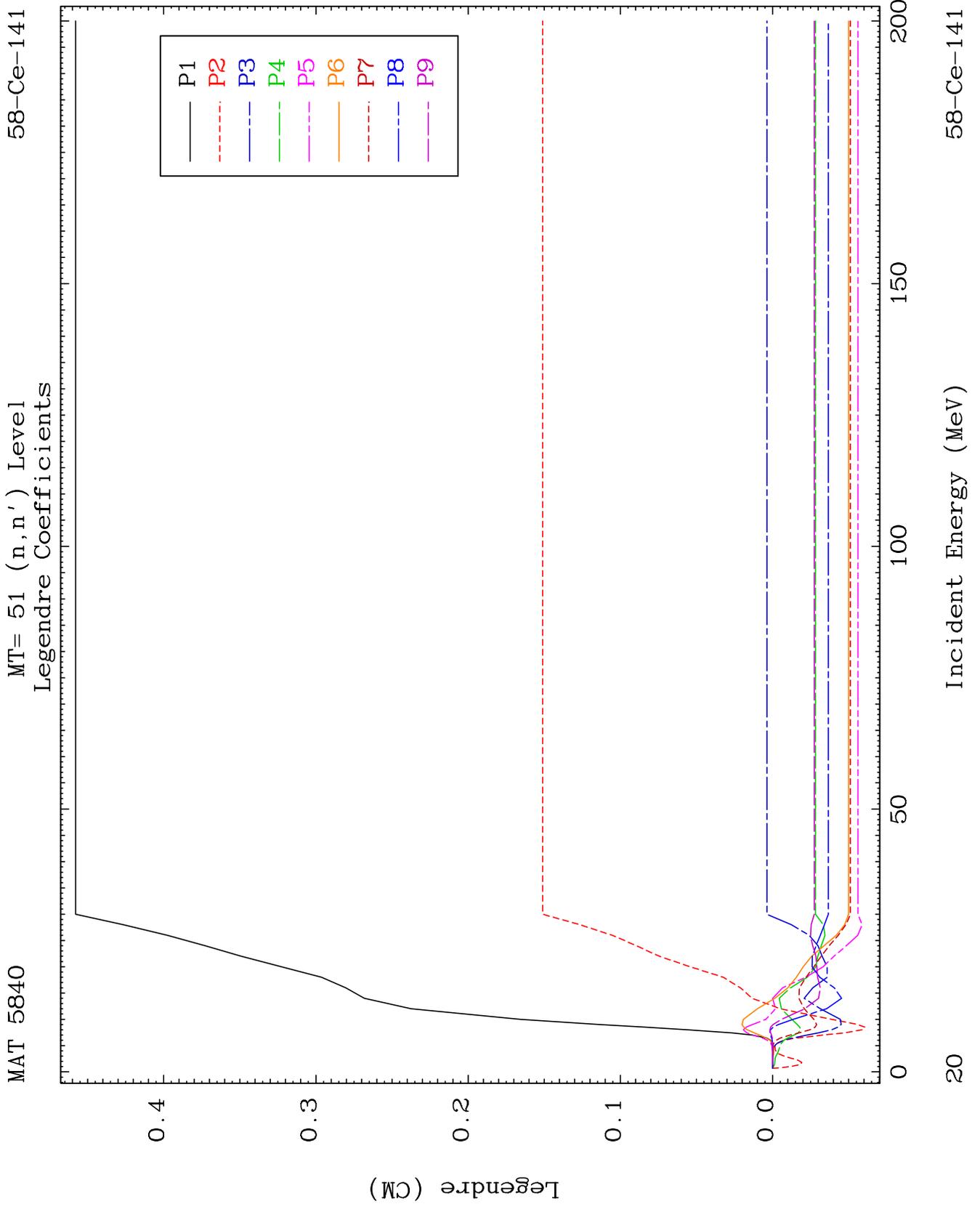
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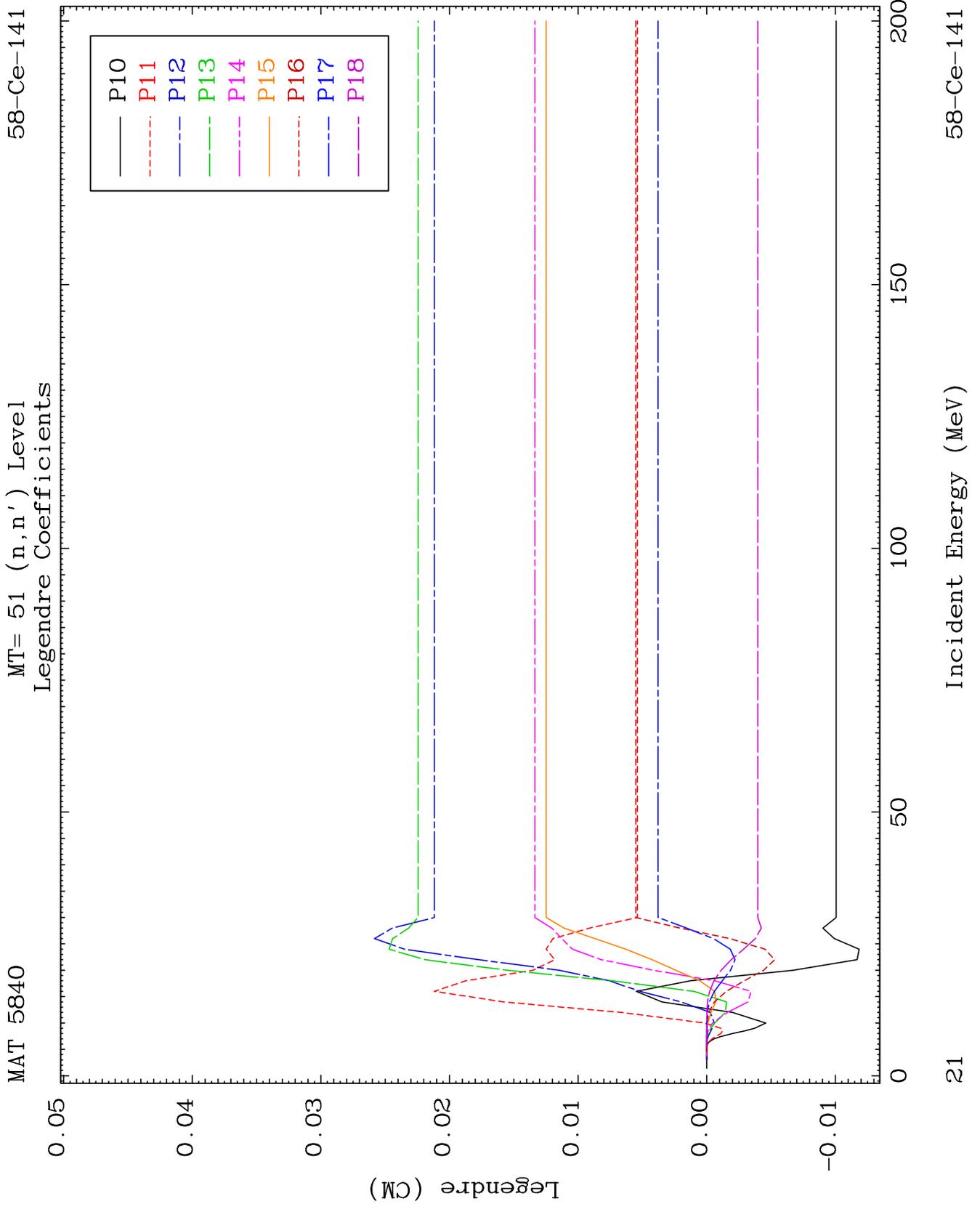
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Incident Energy (MeV)

58-Ce-141



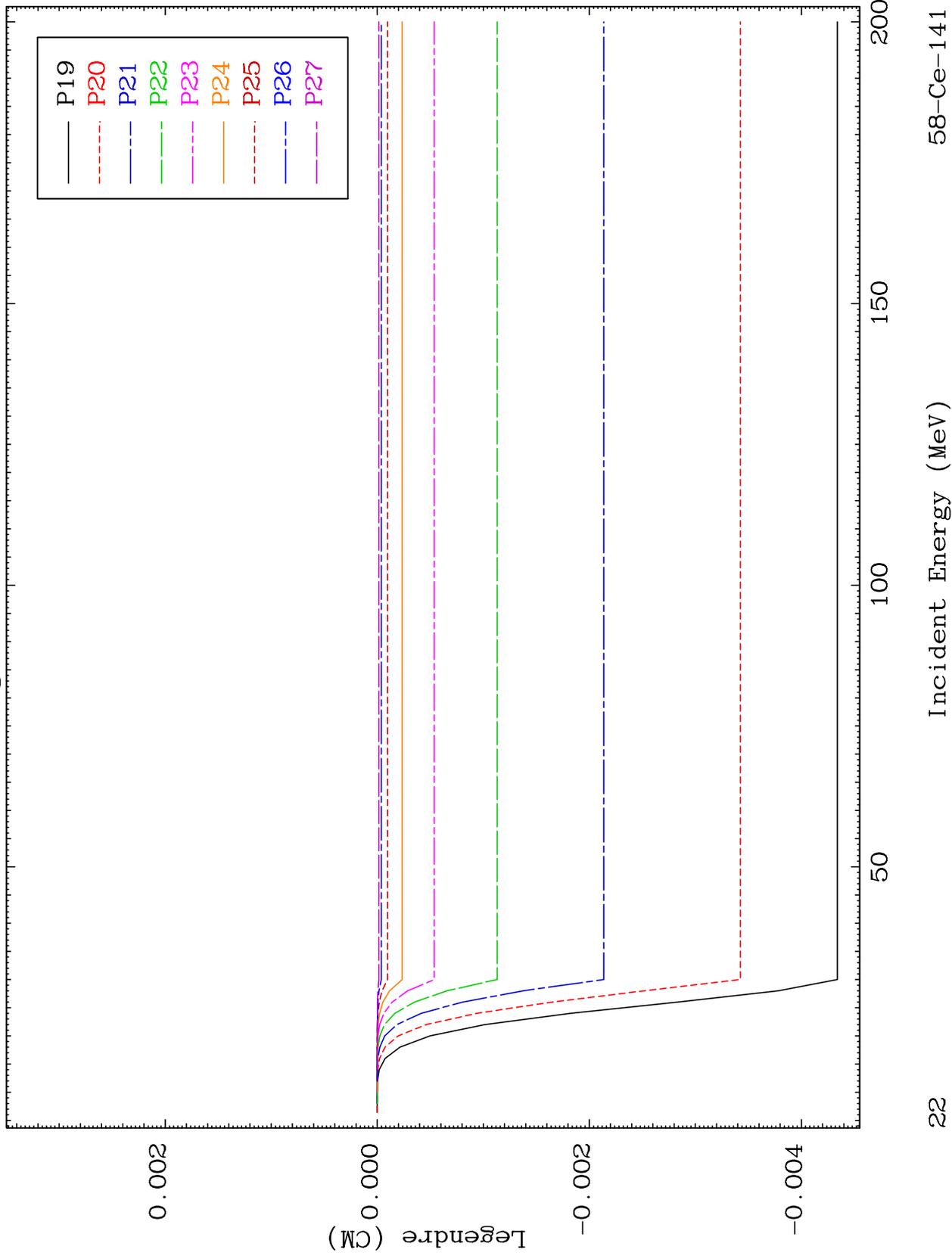




MAT 5840

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

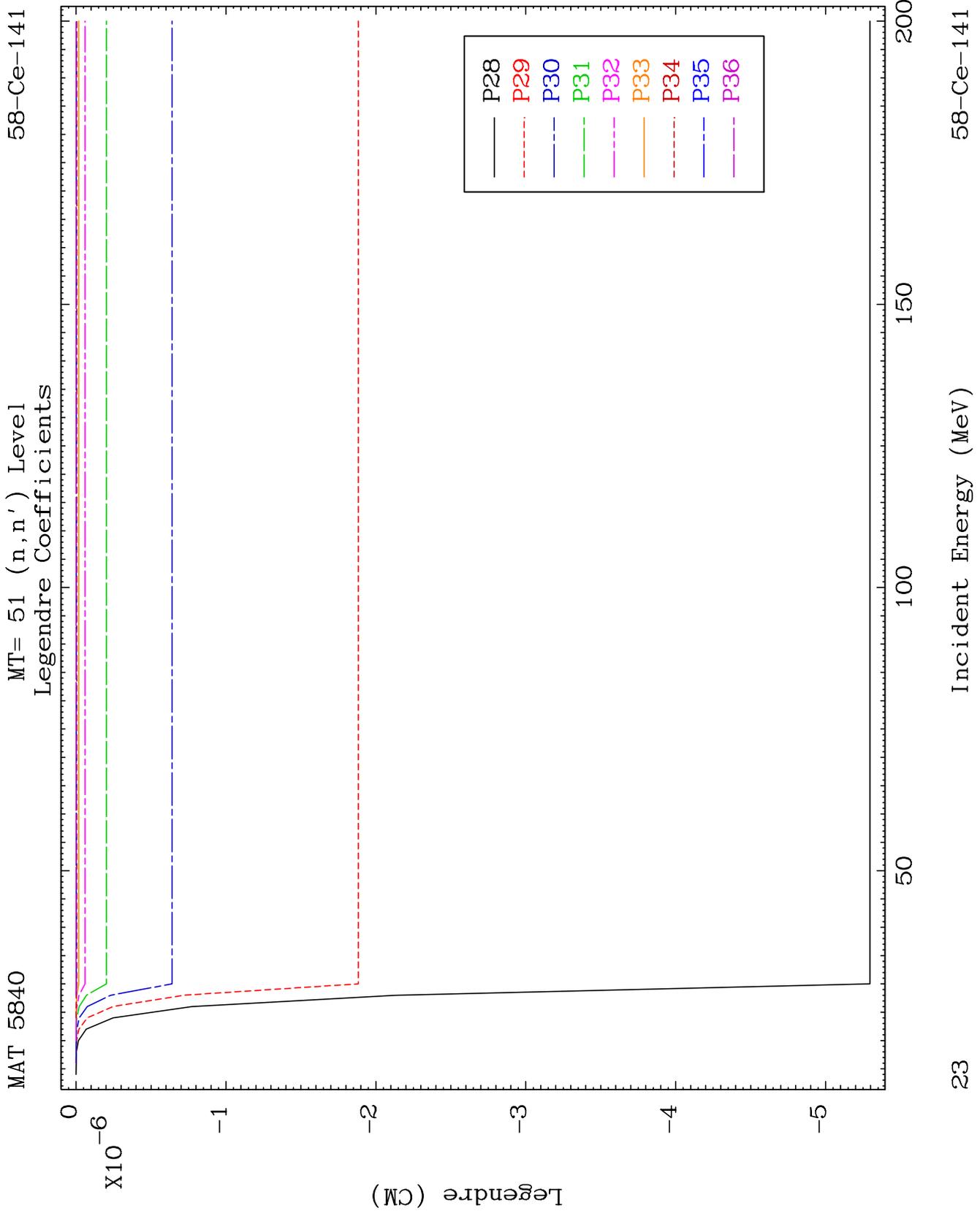
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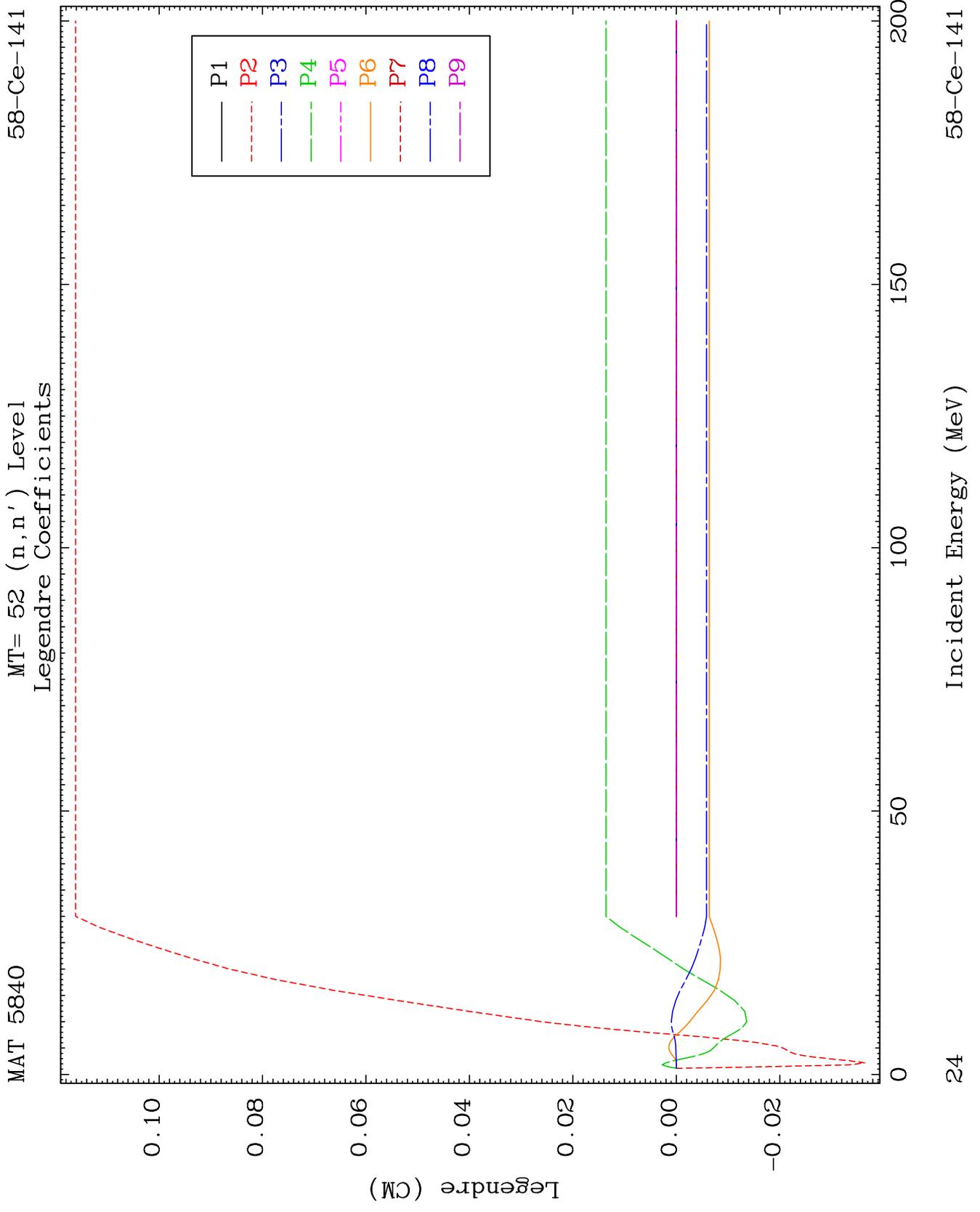


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Incident Energy (MeV)

58-Ce-141

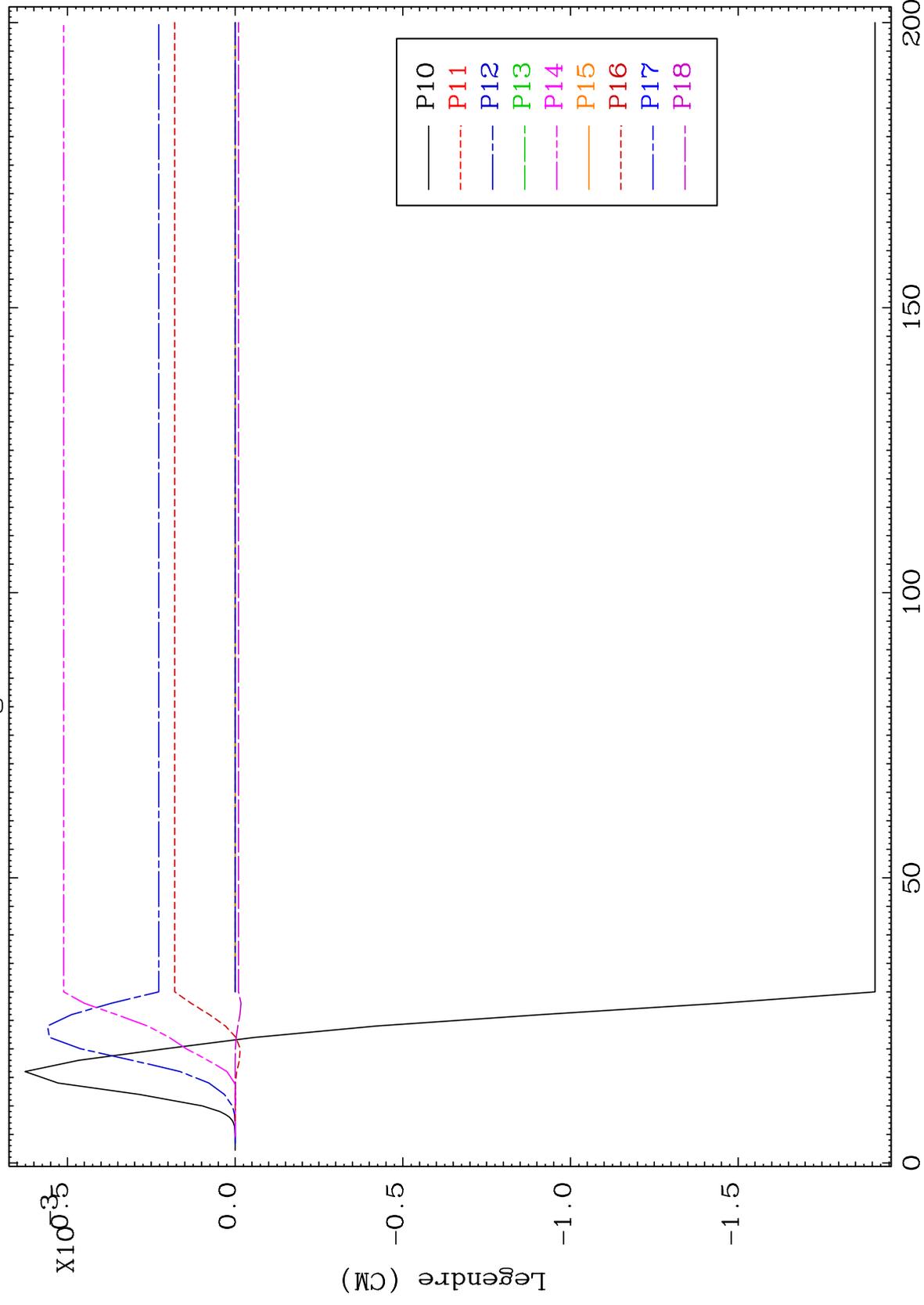




MAT 5840

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Legendre Coefficients

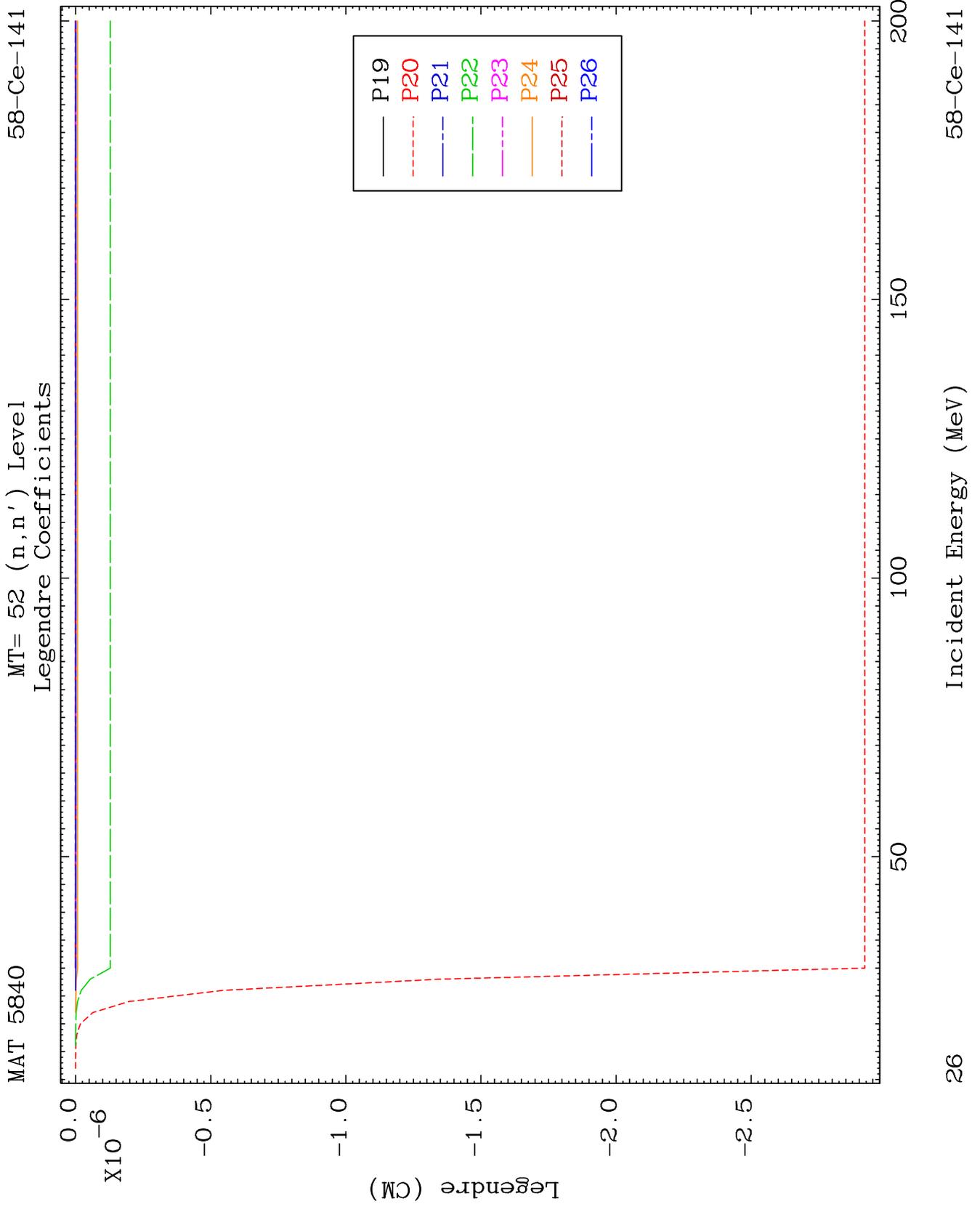
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25

Incident Energy (MeV)

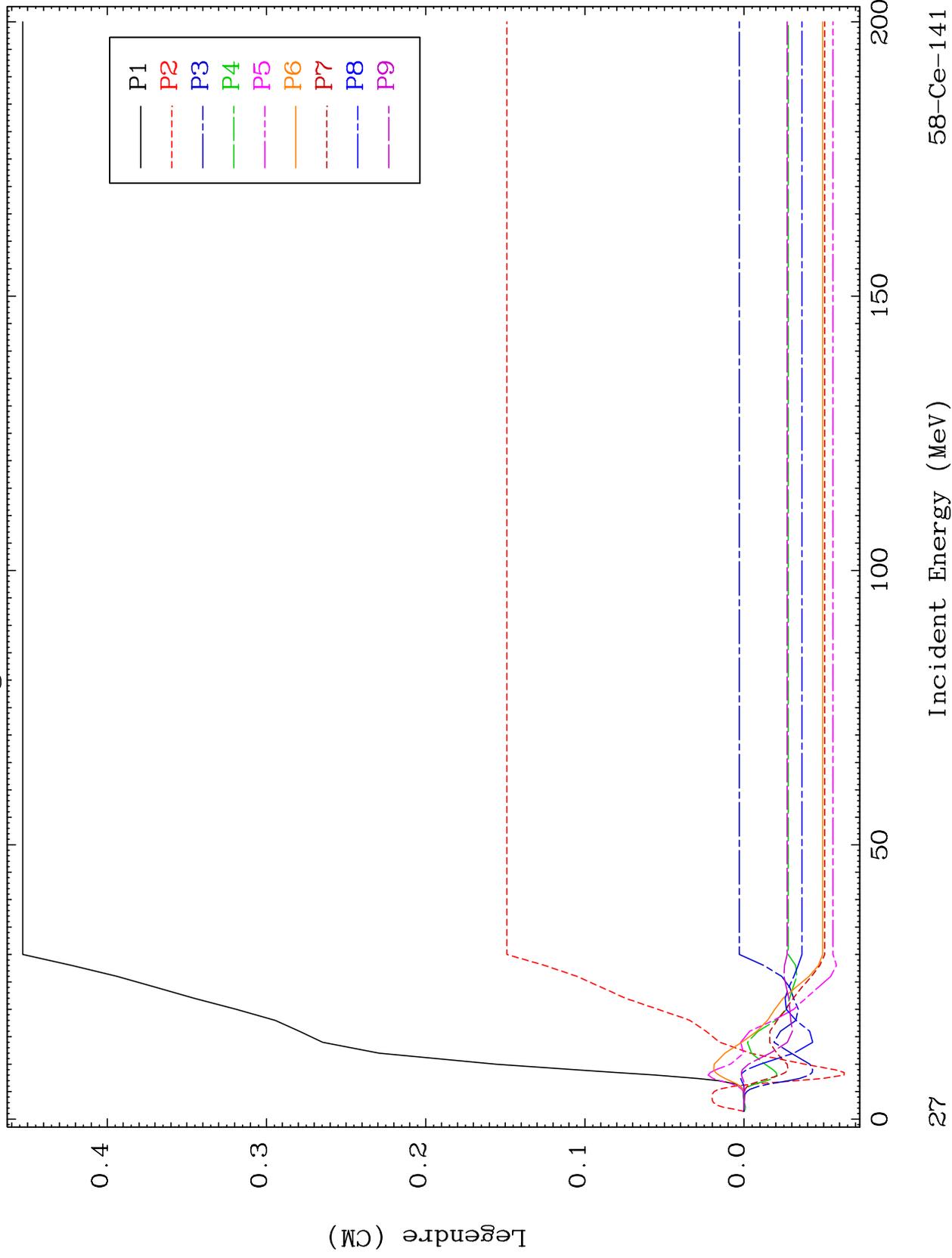
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MAT 5840

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

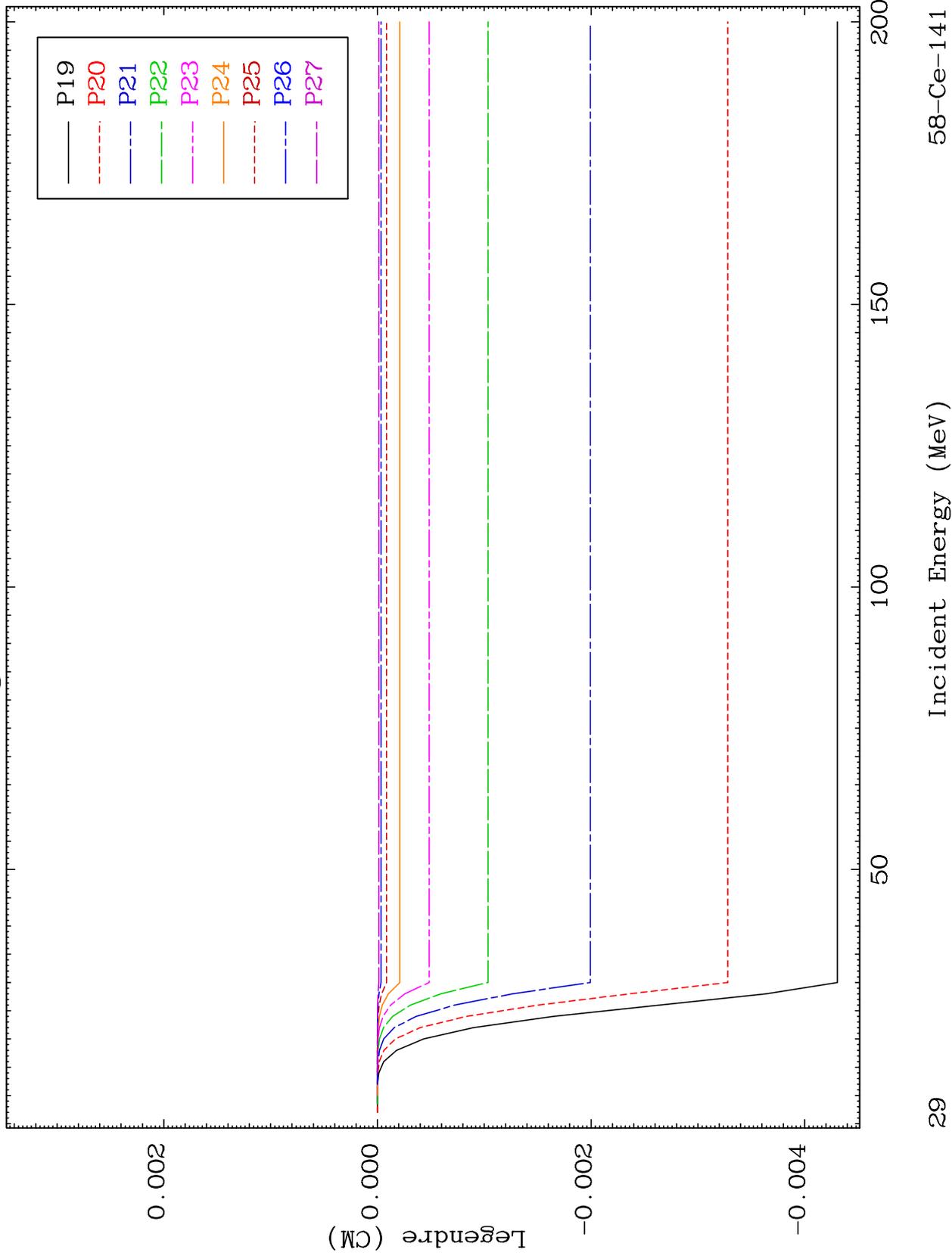
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MAT 5840

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

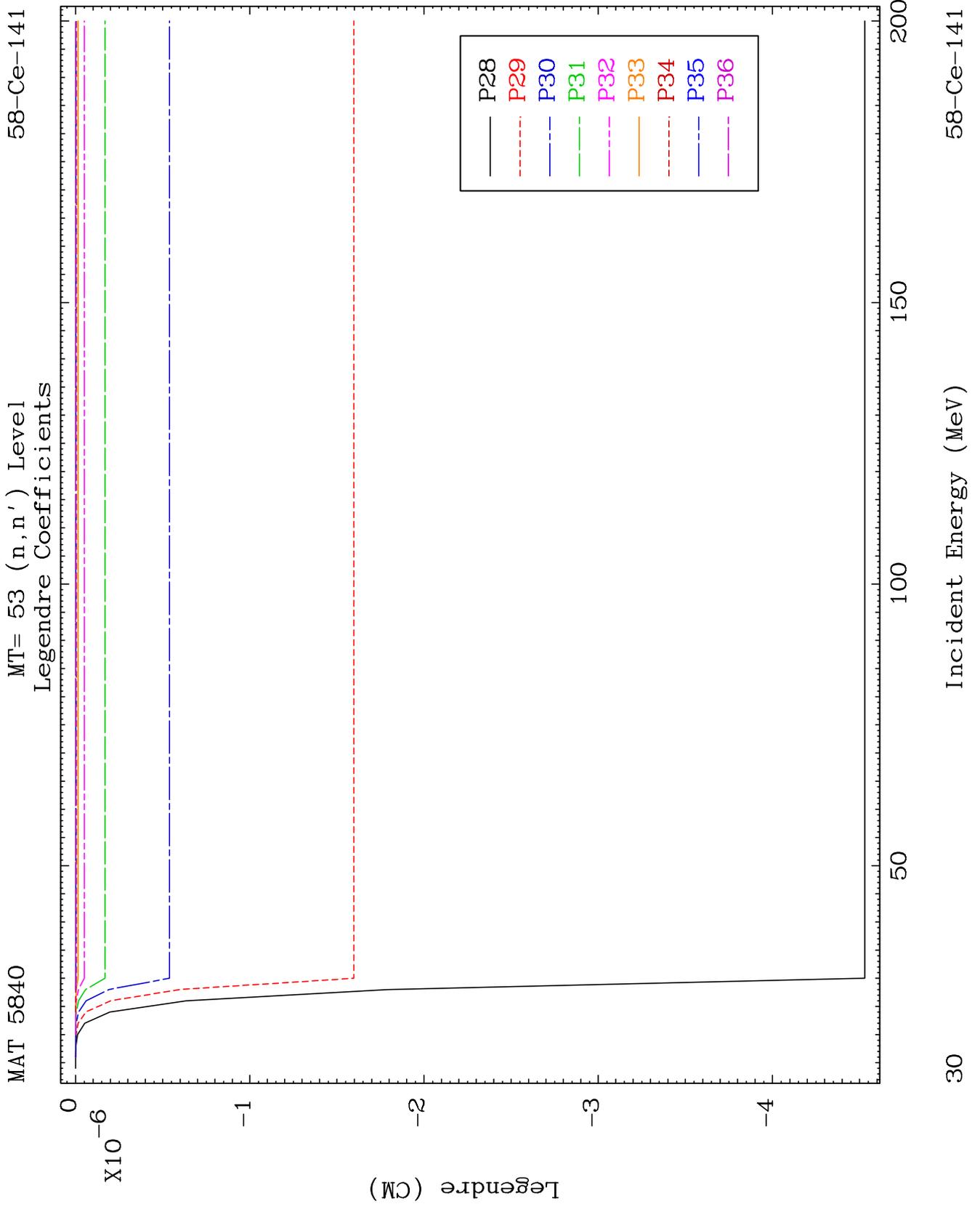
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29

Incident Energy (MeV)

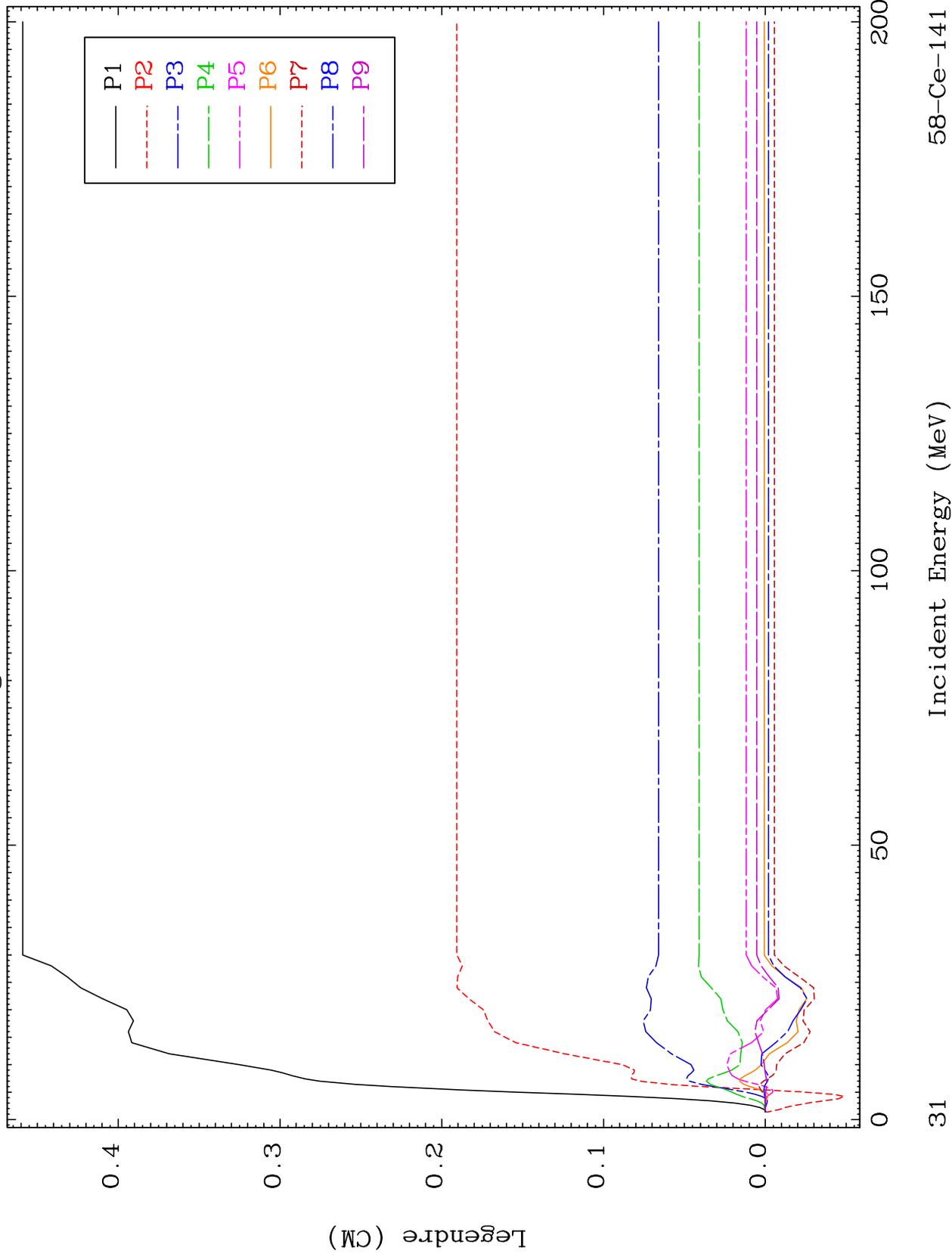
58-Ce-141



MAT 5840

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

58-Ce-141



58-Ce-141

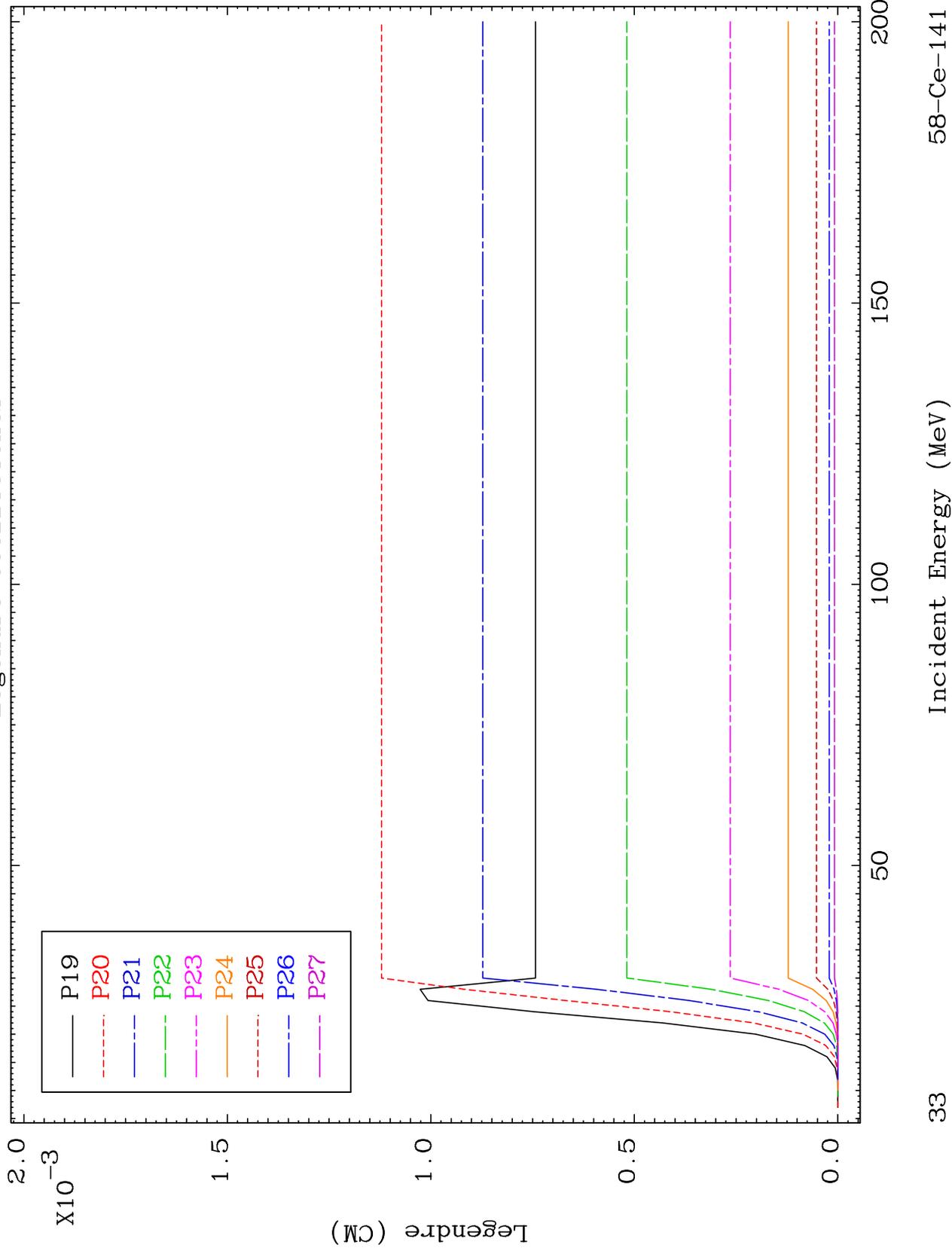
Incident Energy (MeV)

31

MAT 5840

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

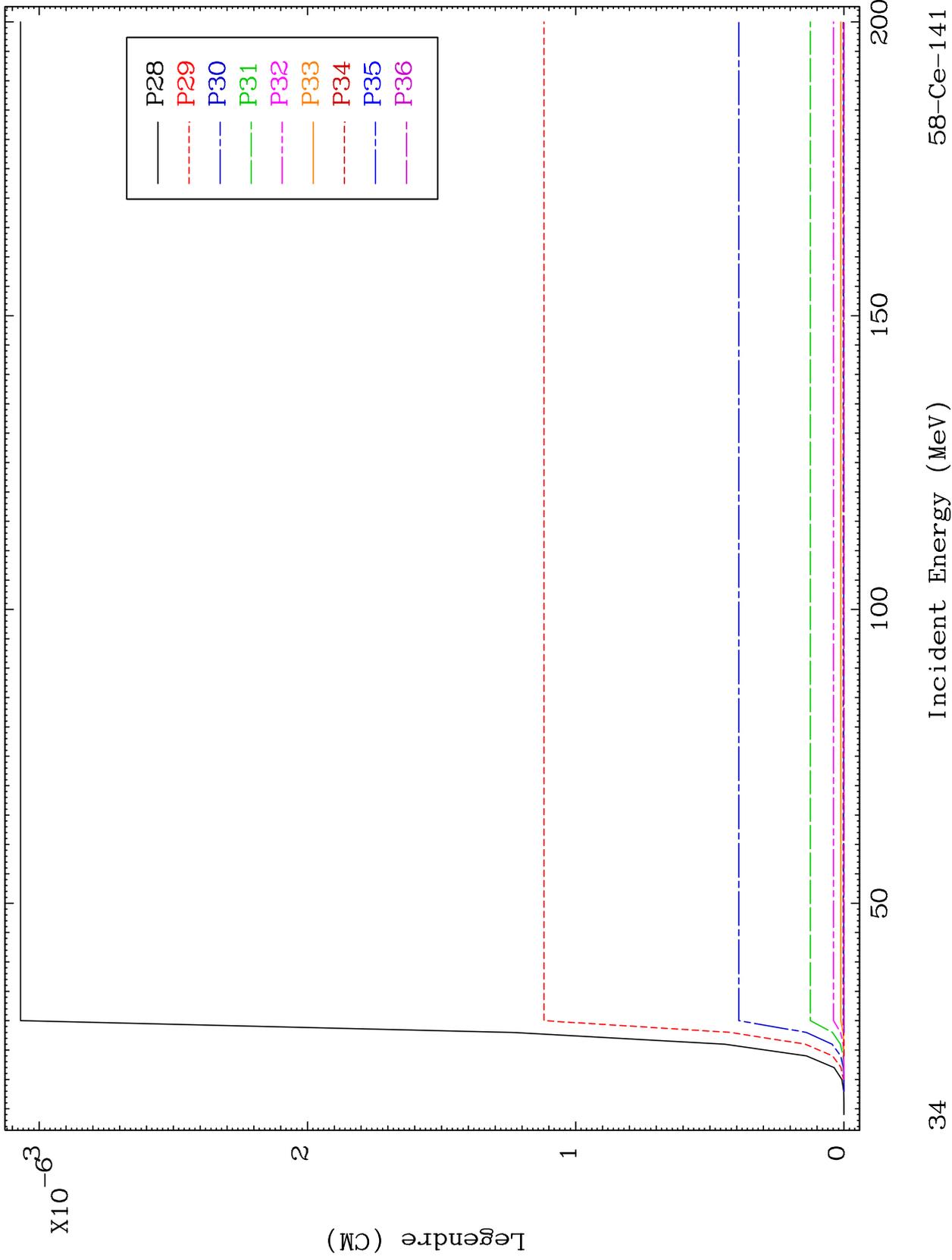
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MAT 5840

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

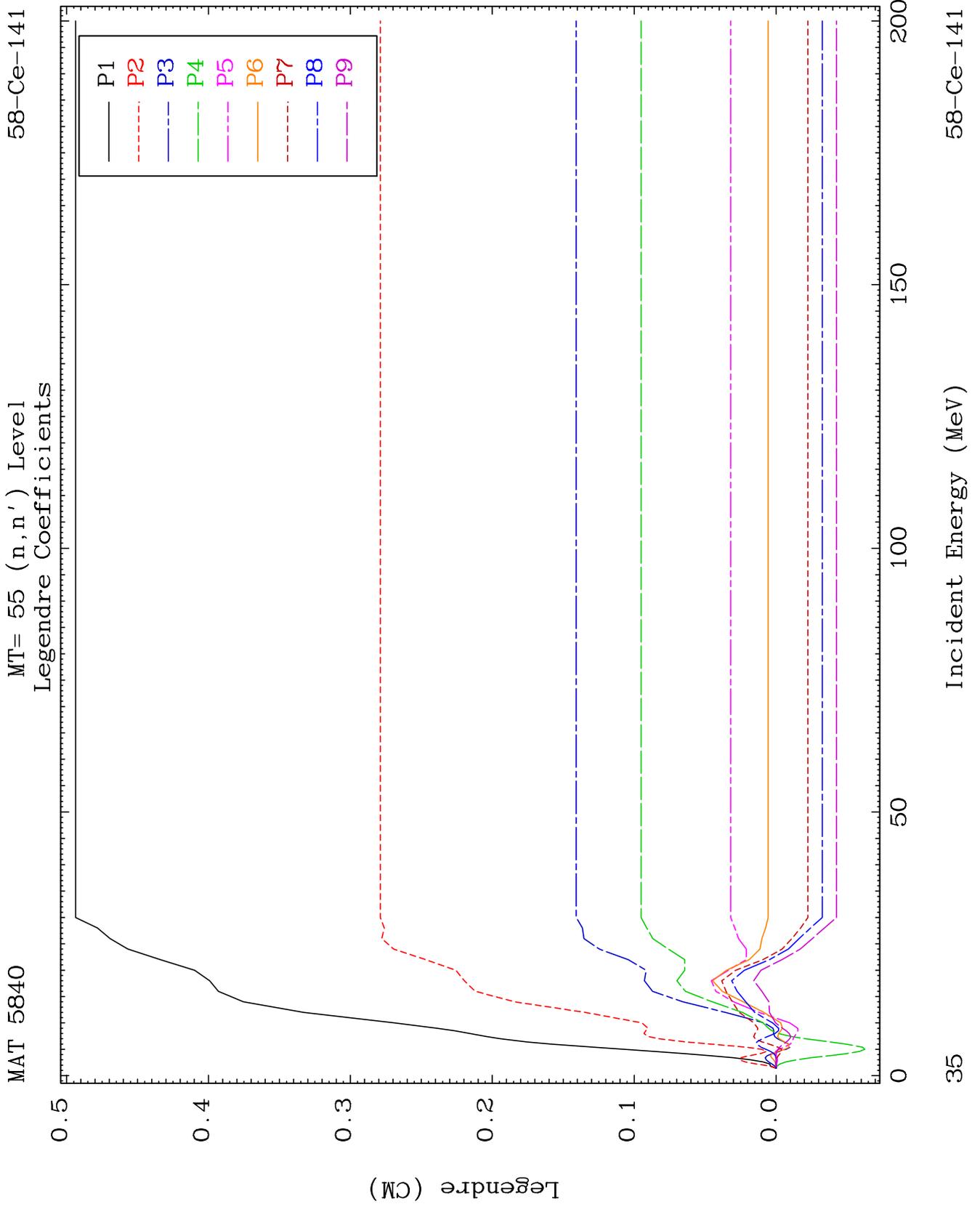
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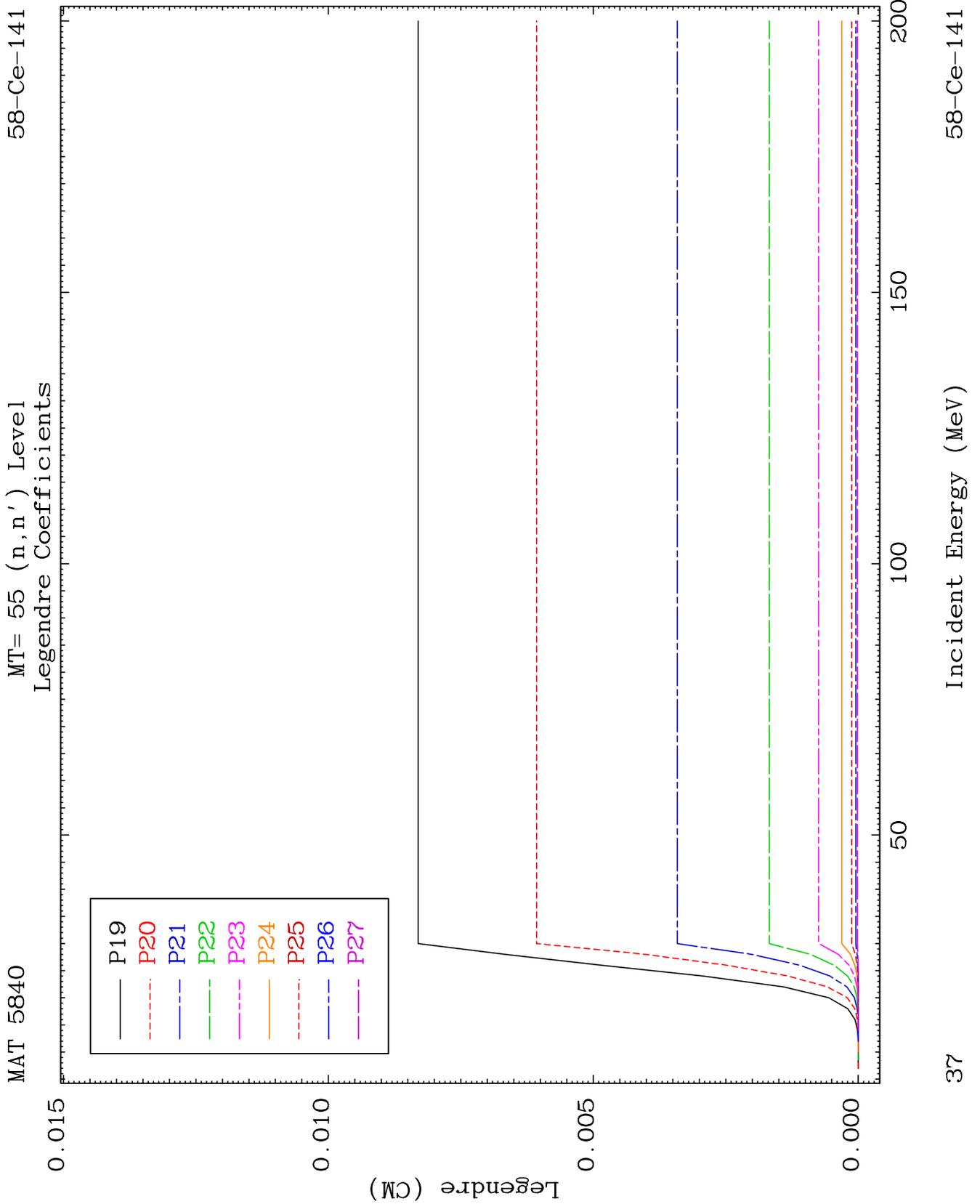


34

Incident Energy (MeV)

58-Ce-141

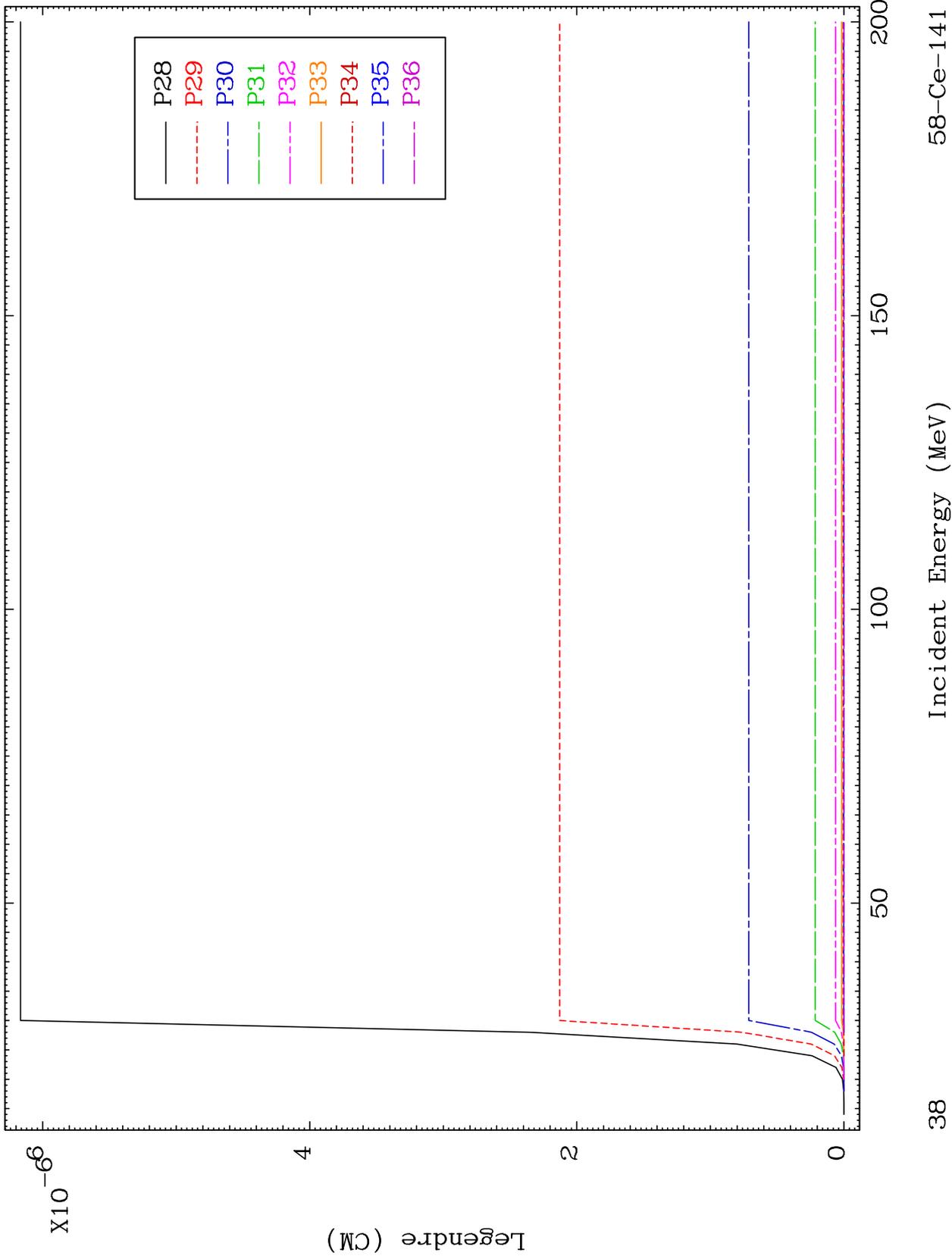




MAT 5840

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

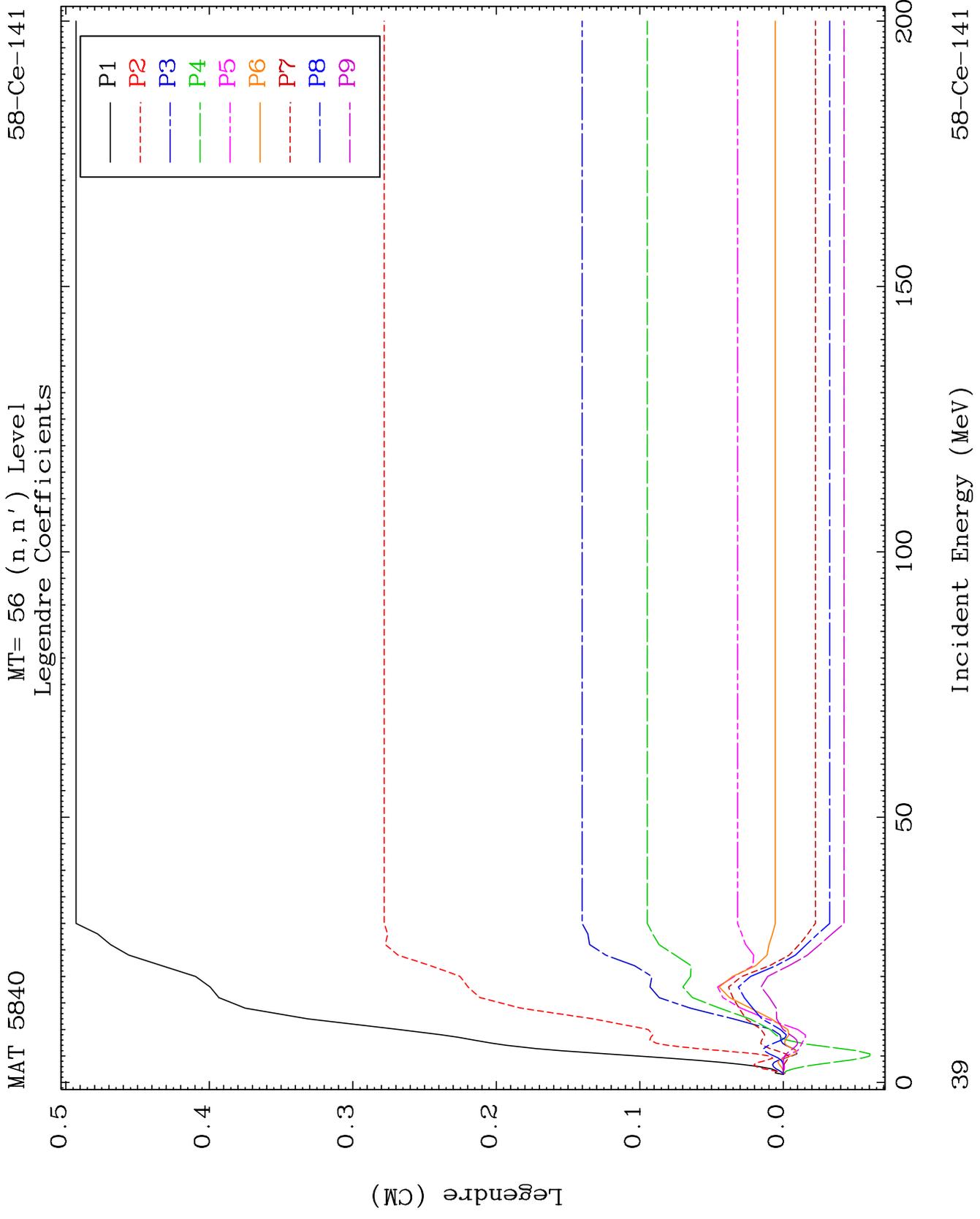
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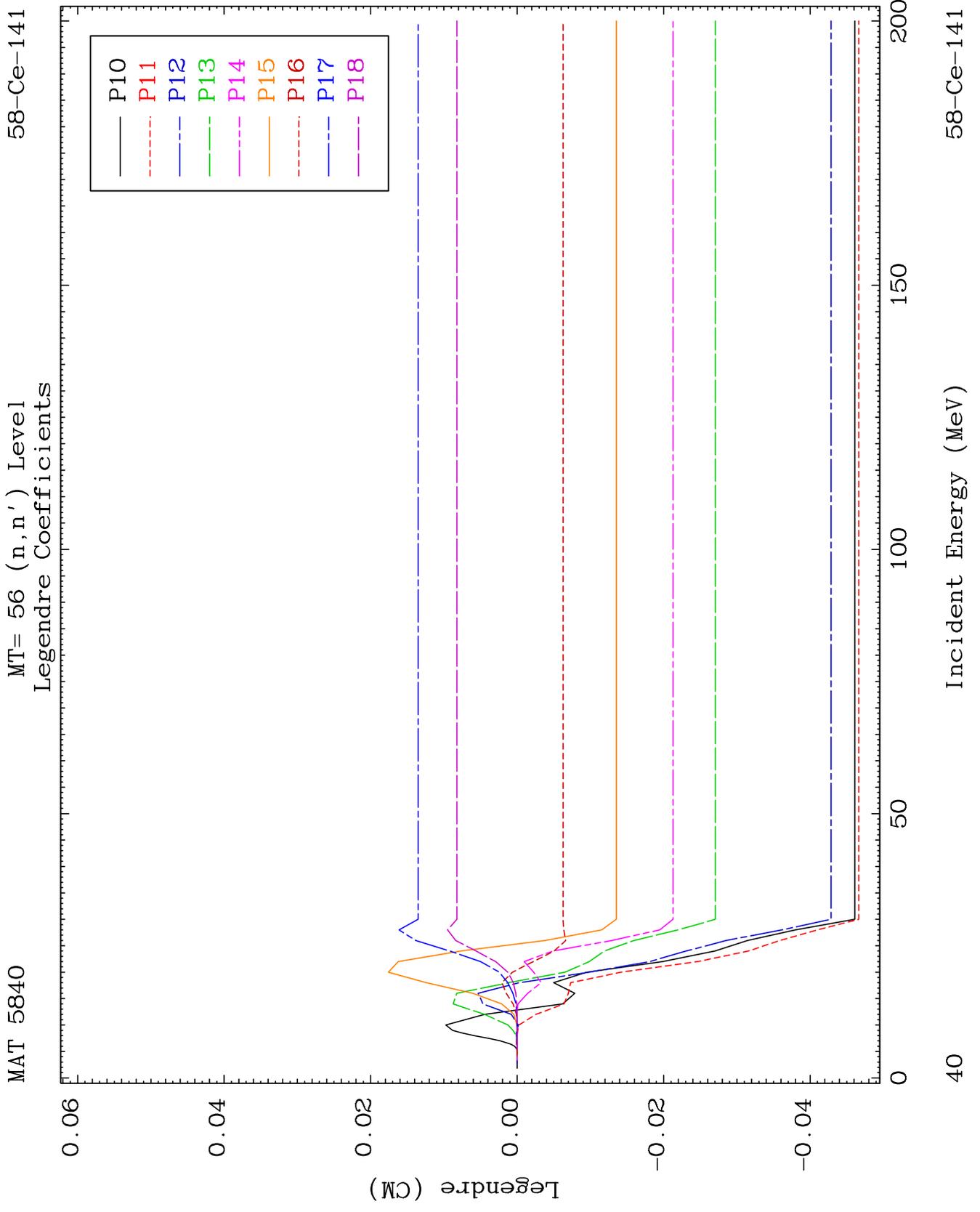


38

Incident Energy (MeV)

58-Ce-141

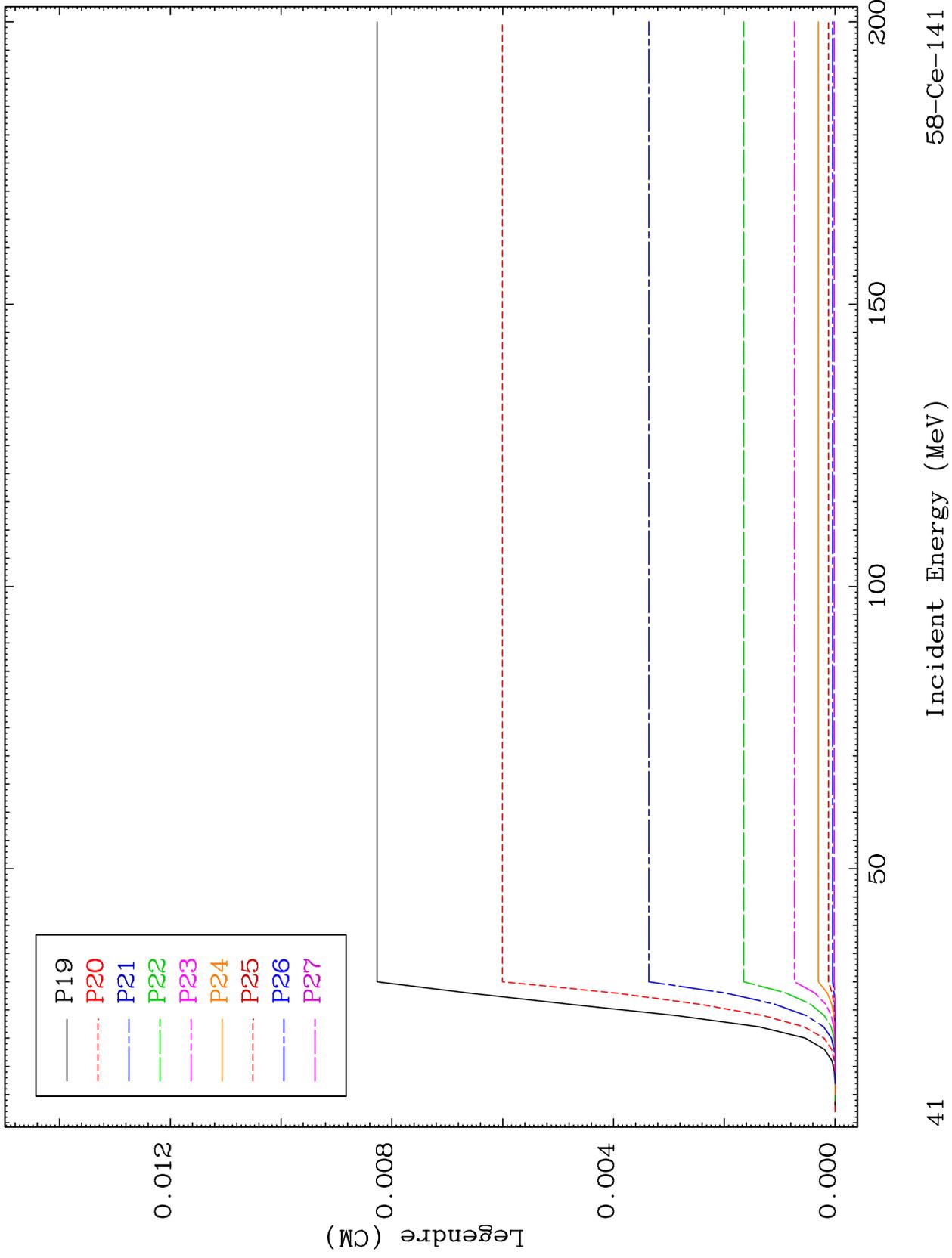




MAT 5840

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

58-Ce-141



41

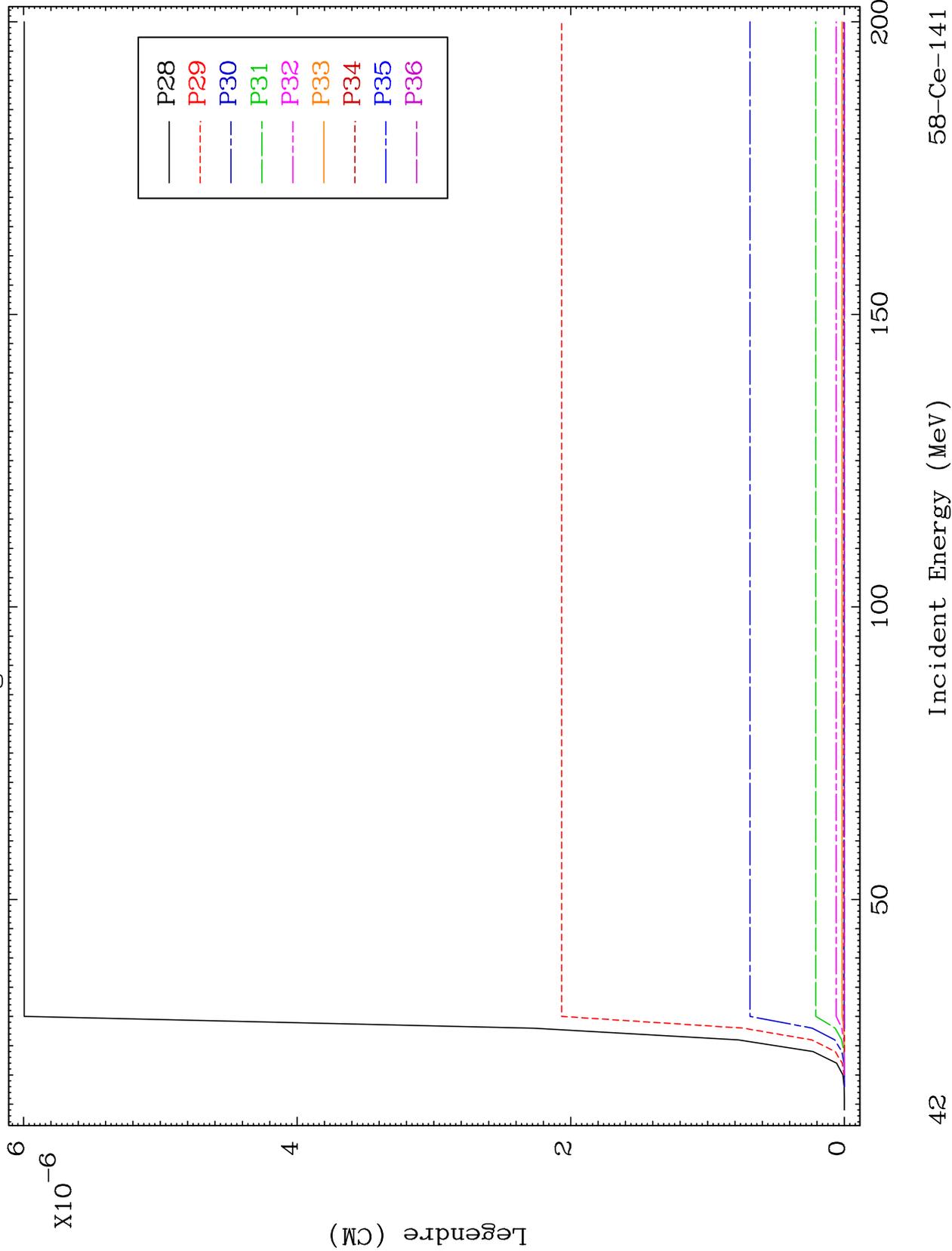
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

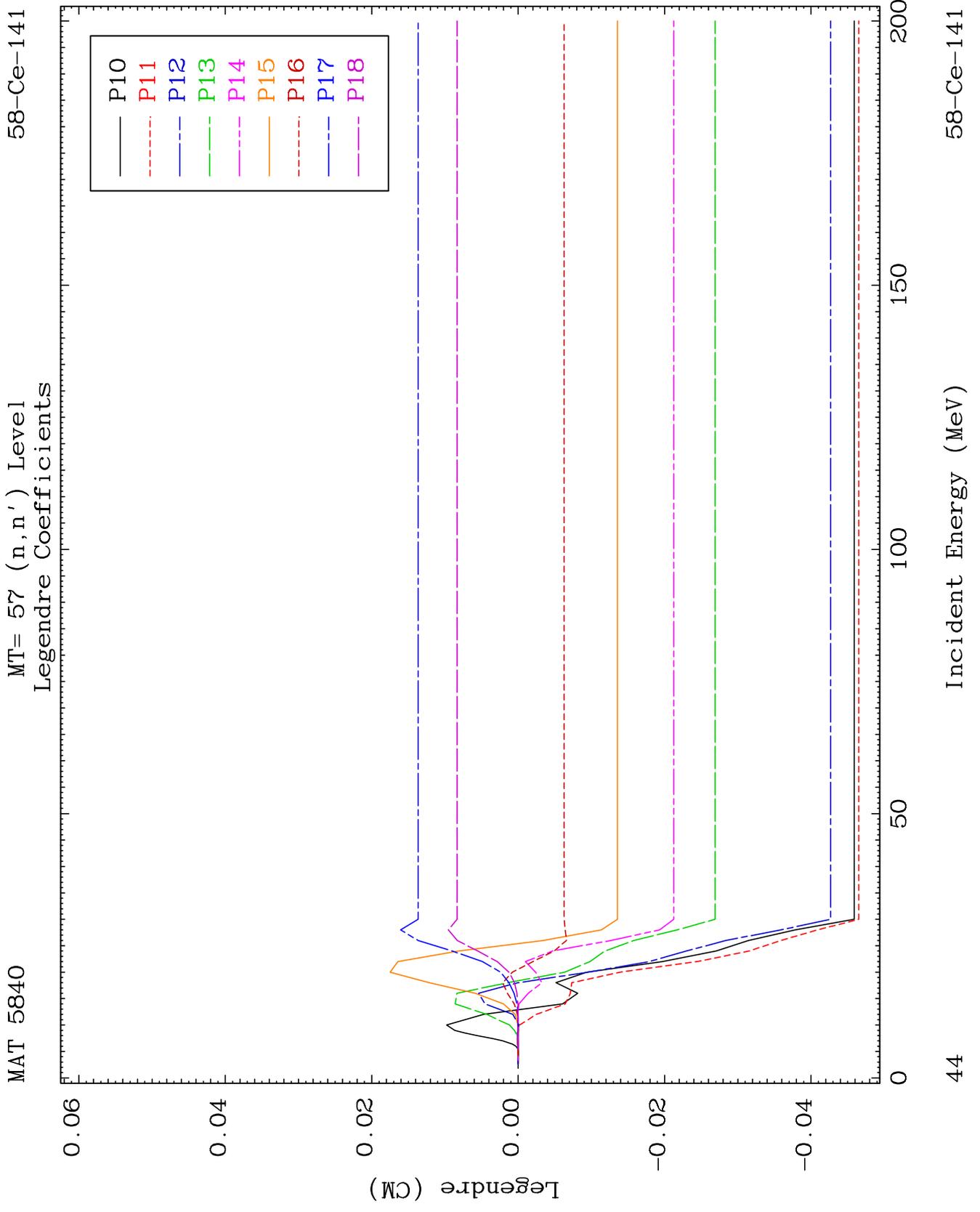
58-Ce-141



42

Incident Energy (MeV)

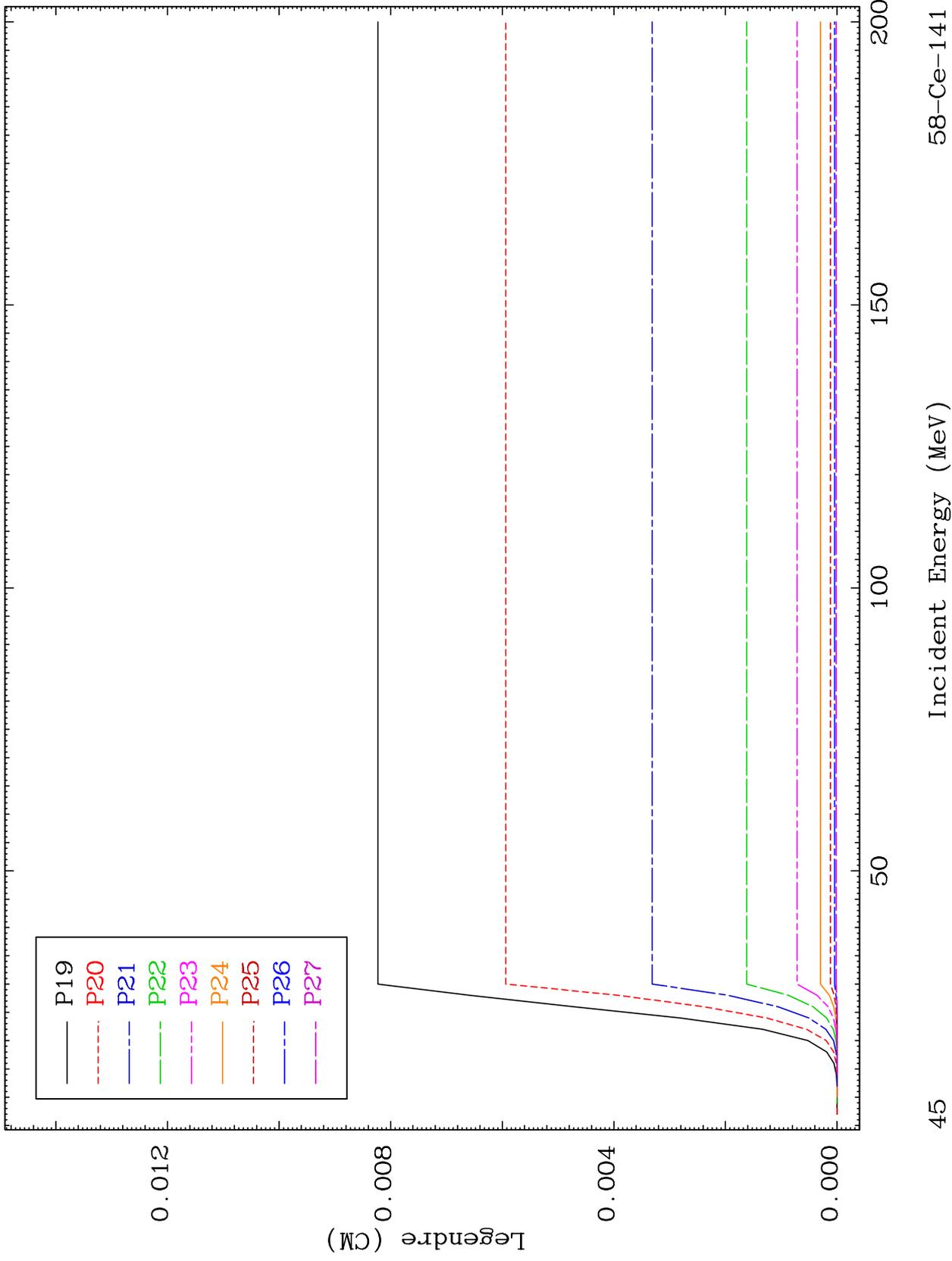
58-Ce-141



MAT 5840

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

58-Ce-141



58-Ce-141

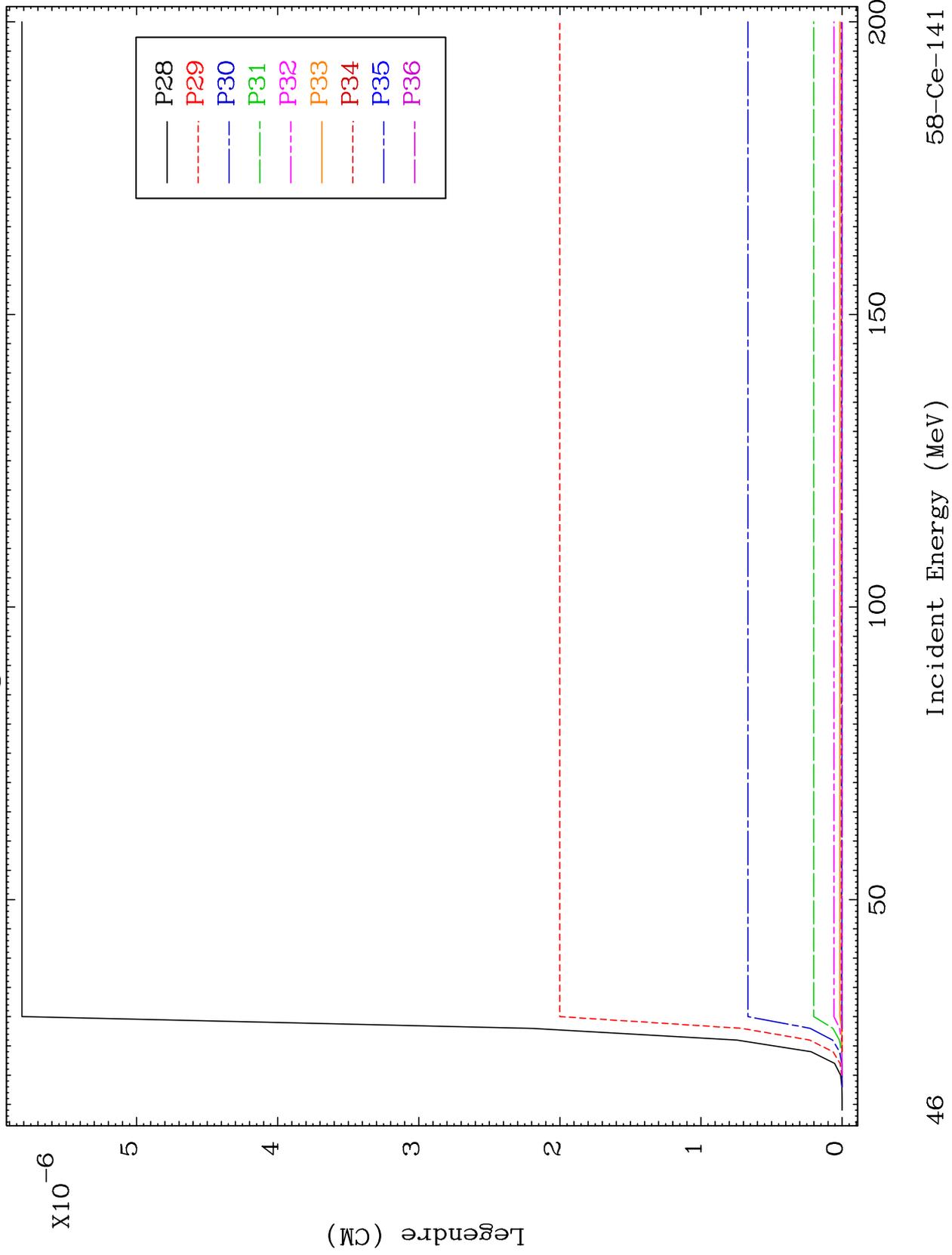
Incident Energy (MeV)

45

MAT 5840

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

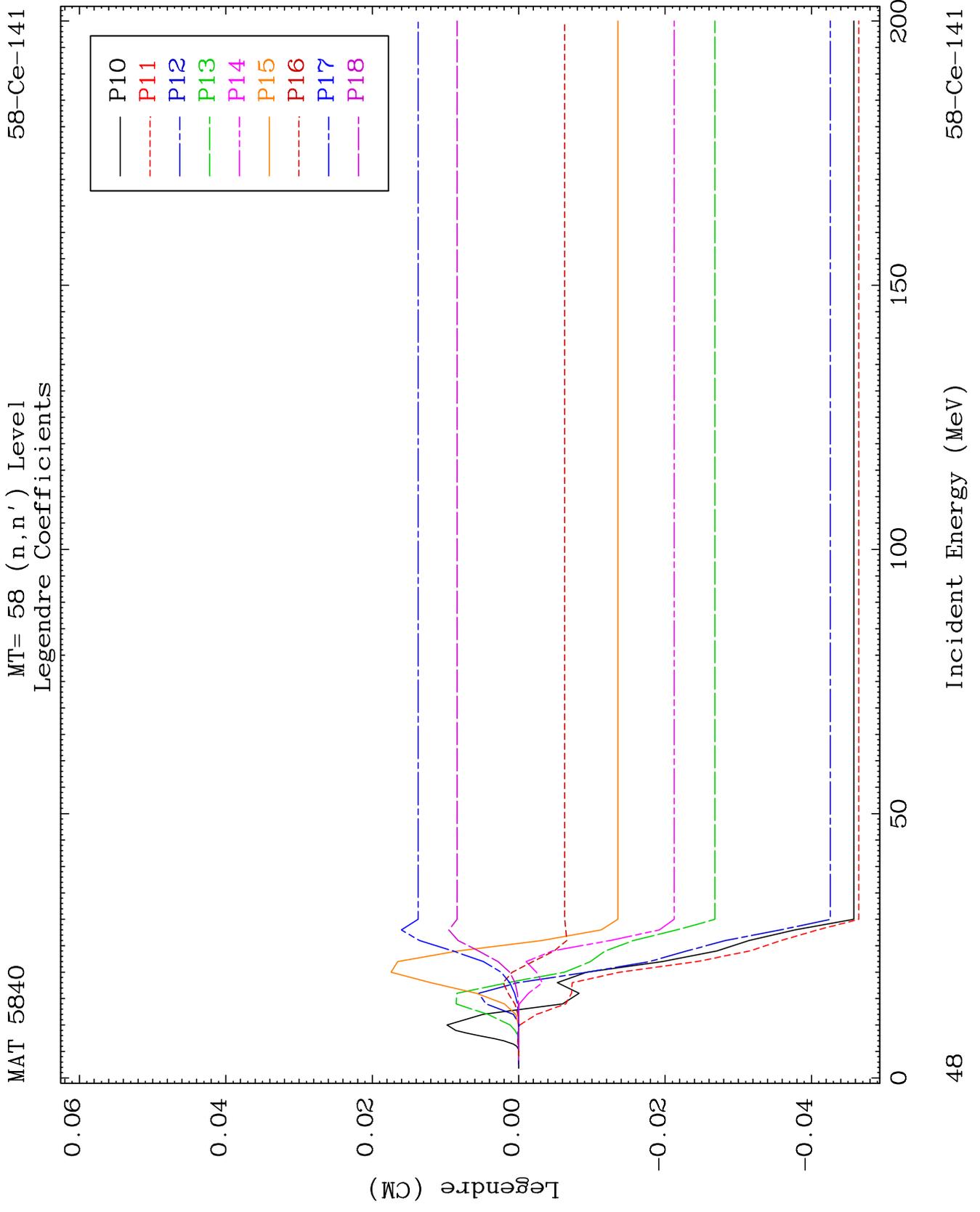
58-Ce-141



46

Incident Energy (MeV)

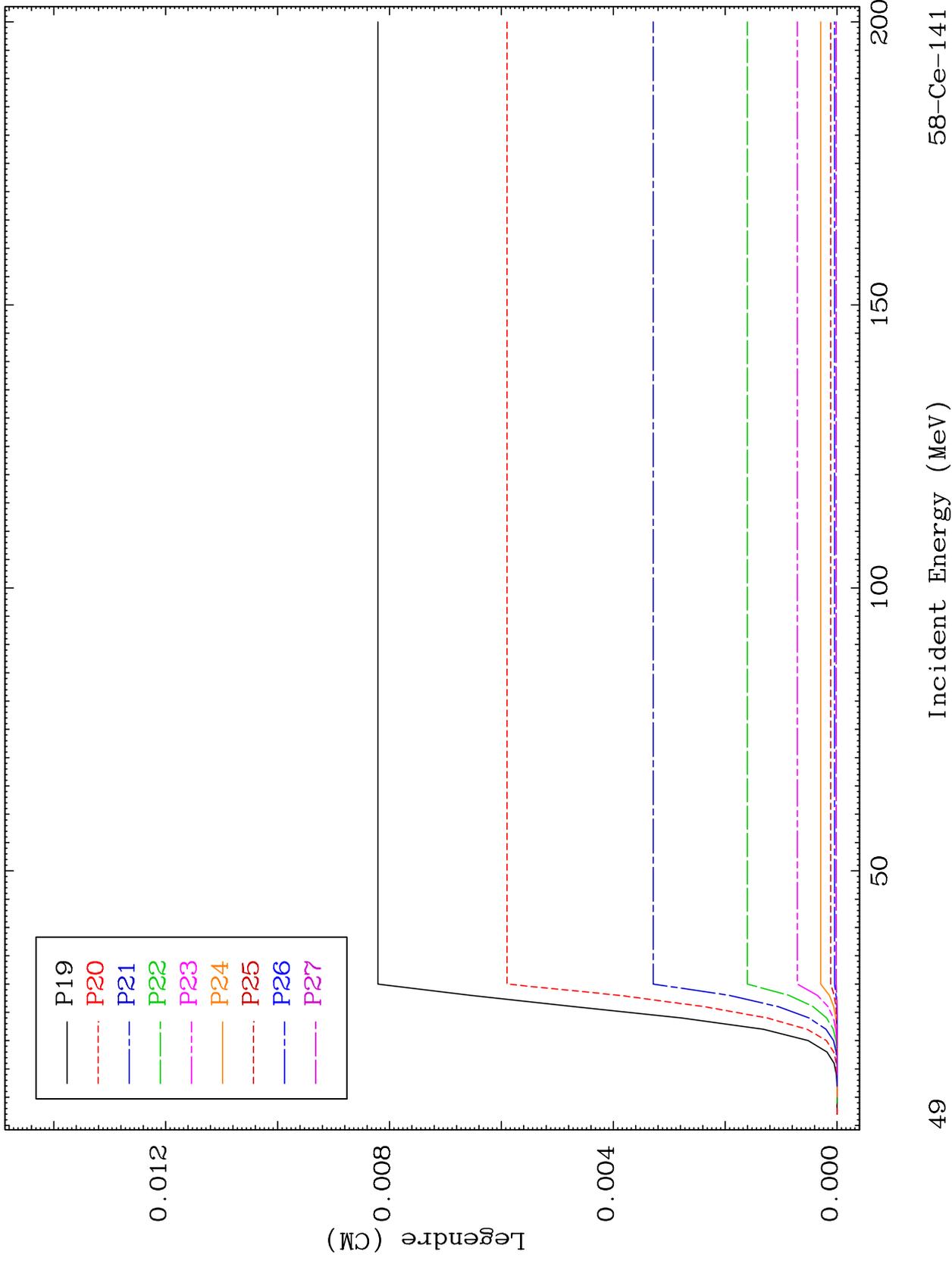
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MAT 5840

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

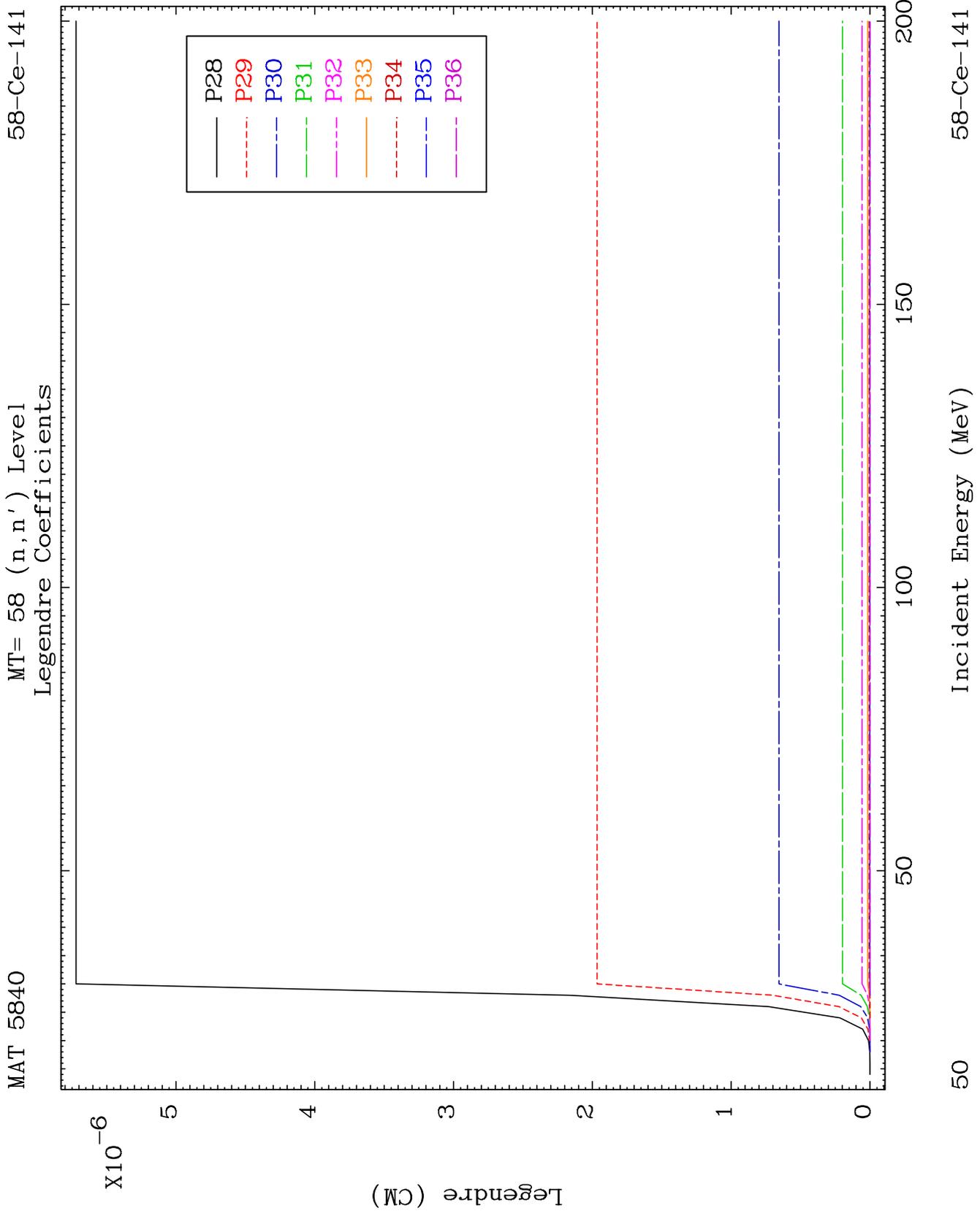
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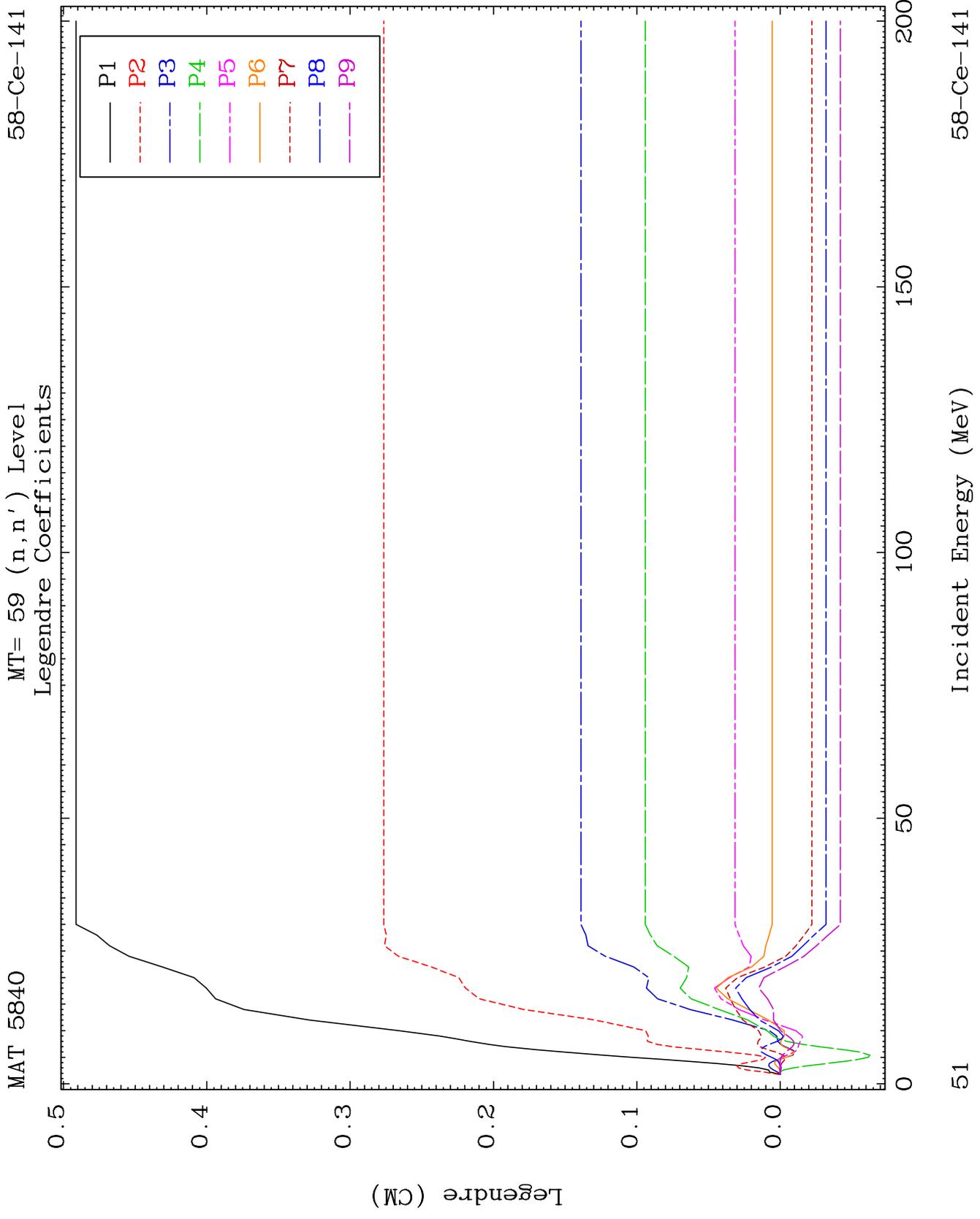


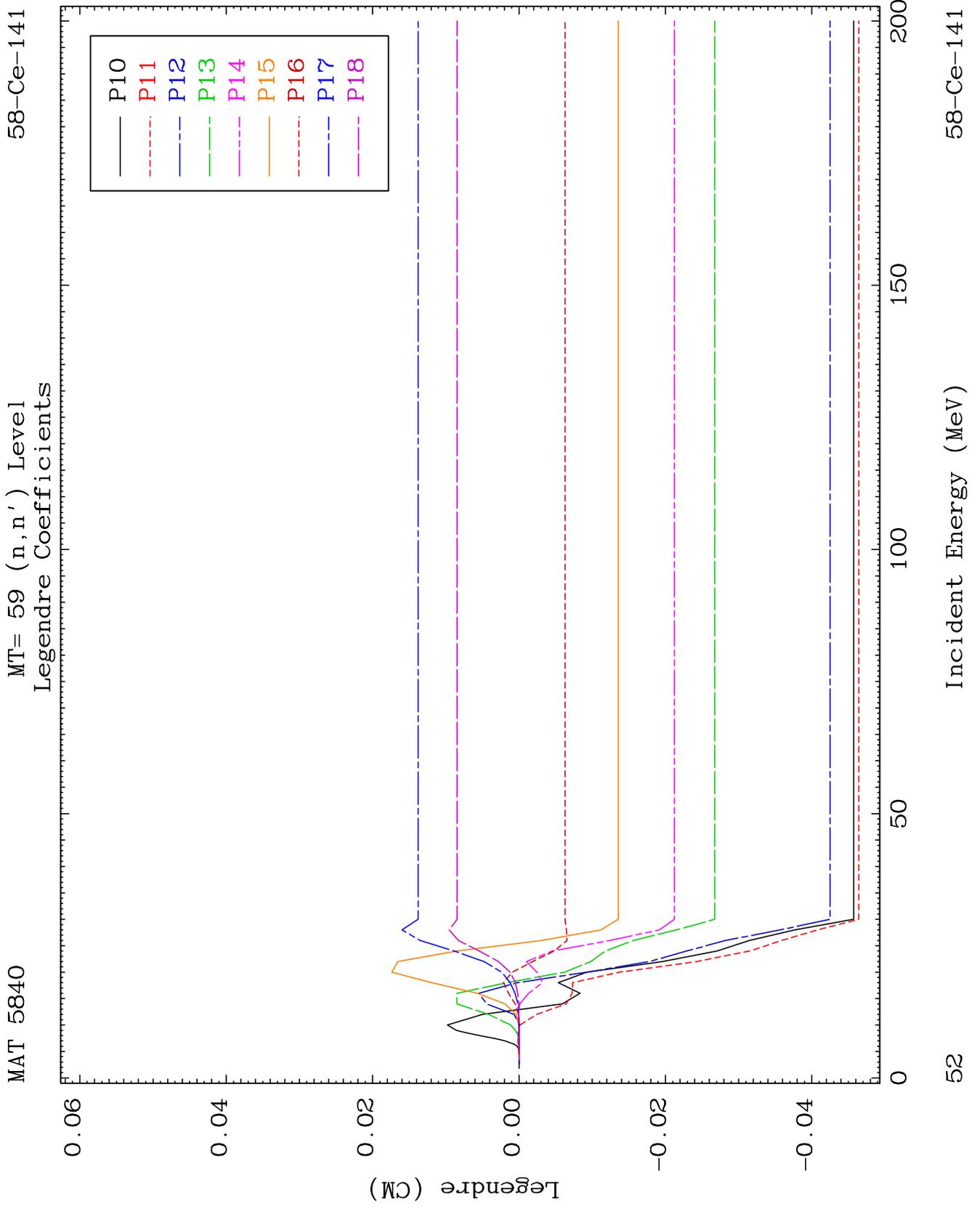
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Incident Energy (MeV)

58-Ce-141







58-Ce-141

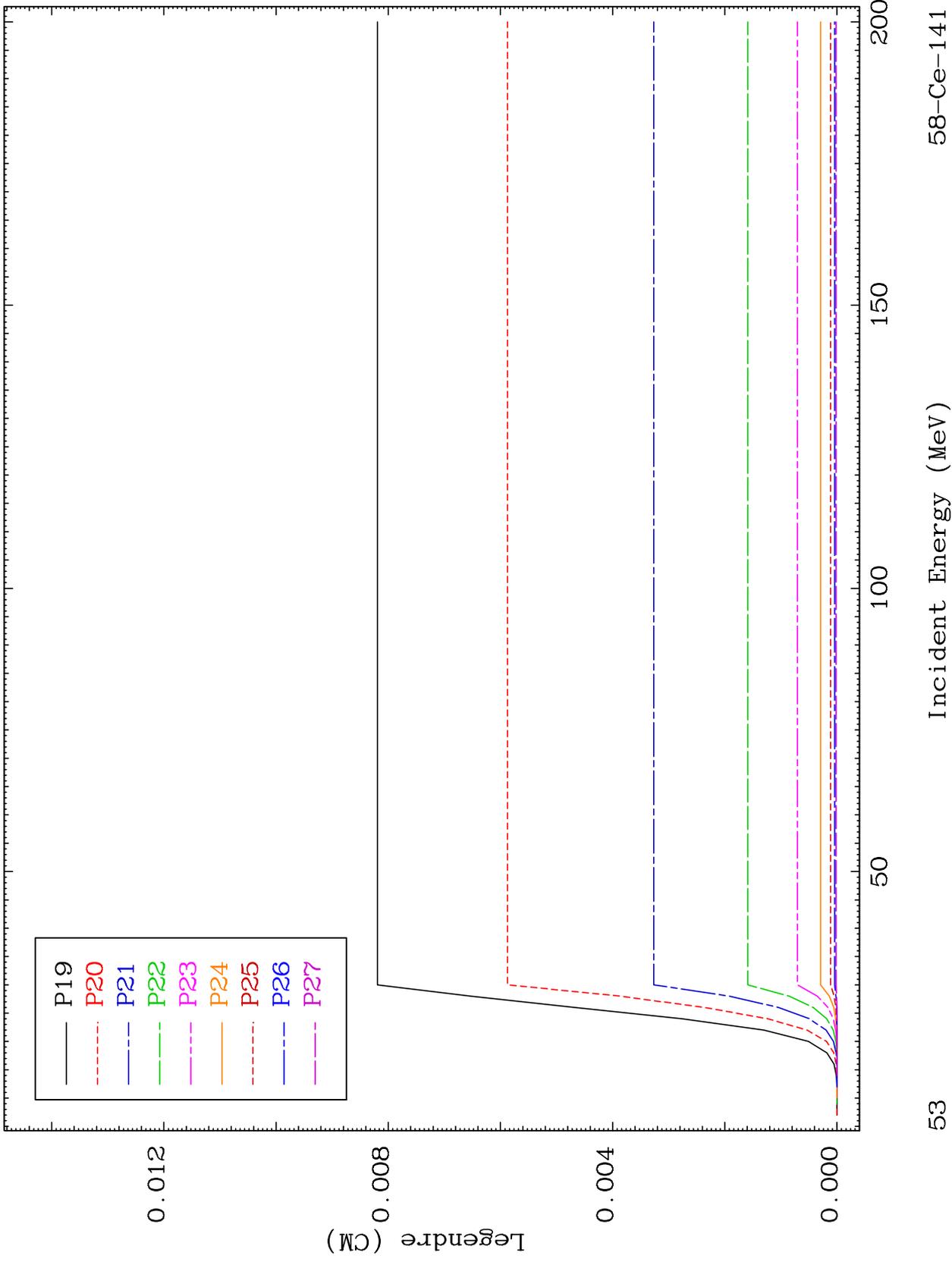
Incident Energy (MeV)

52

MAT 5840

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

58-Ce-141



53

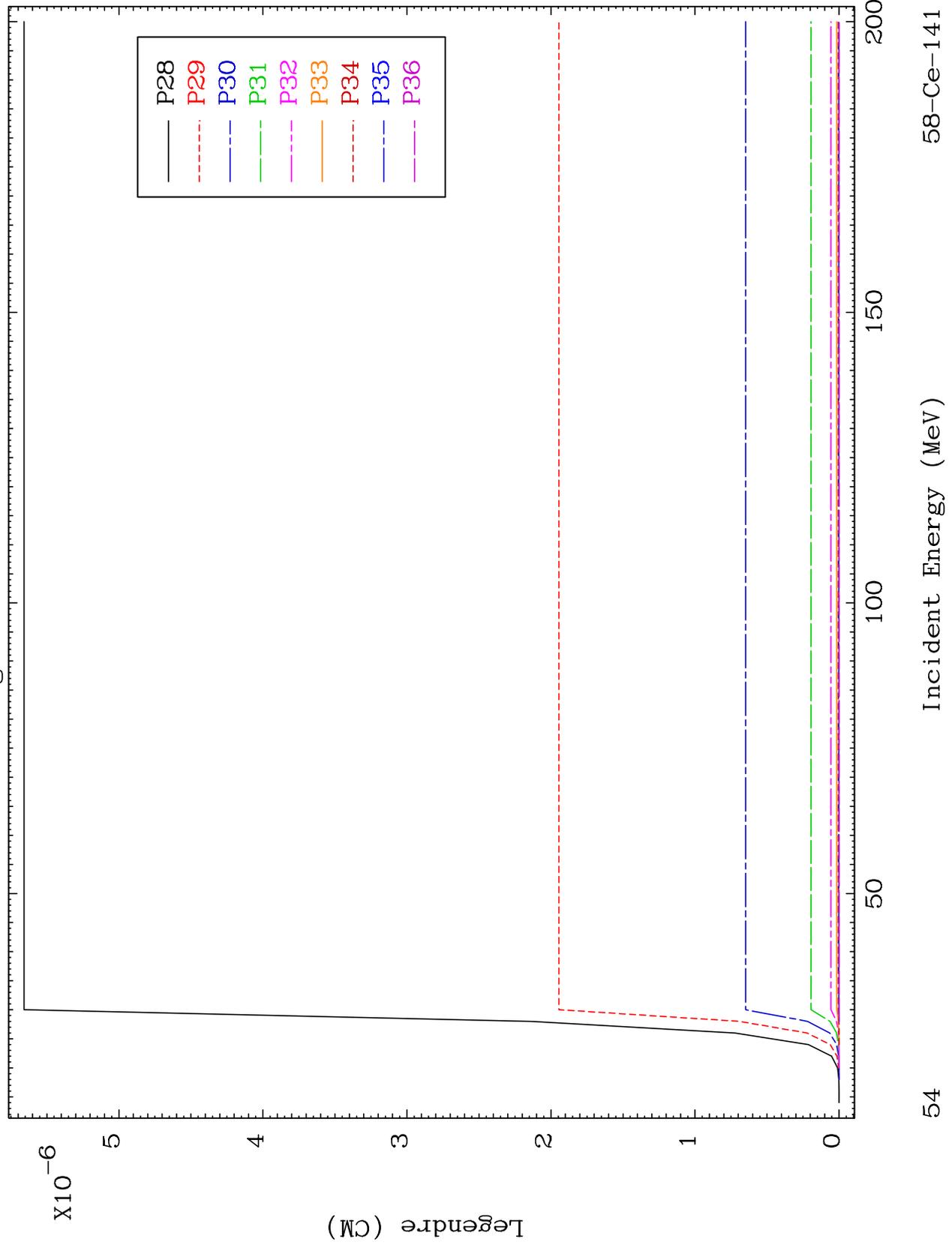
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

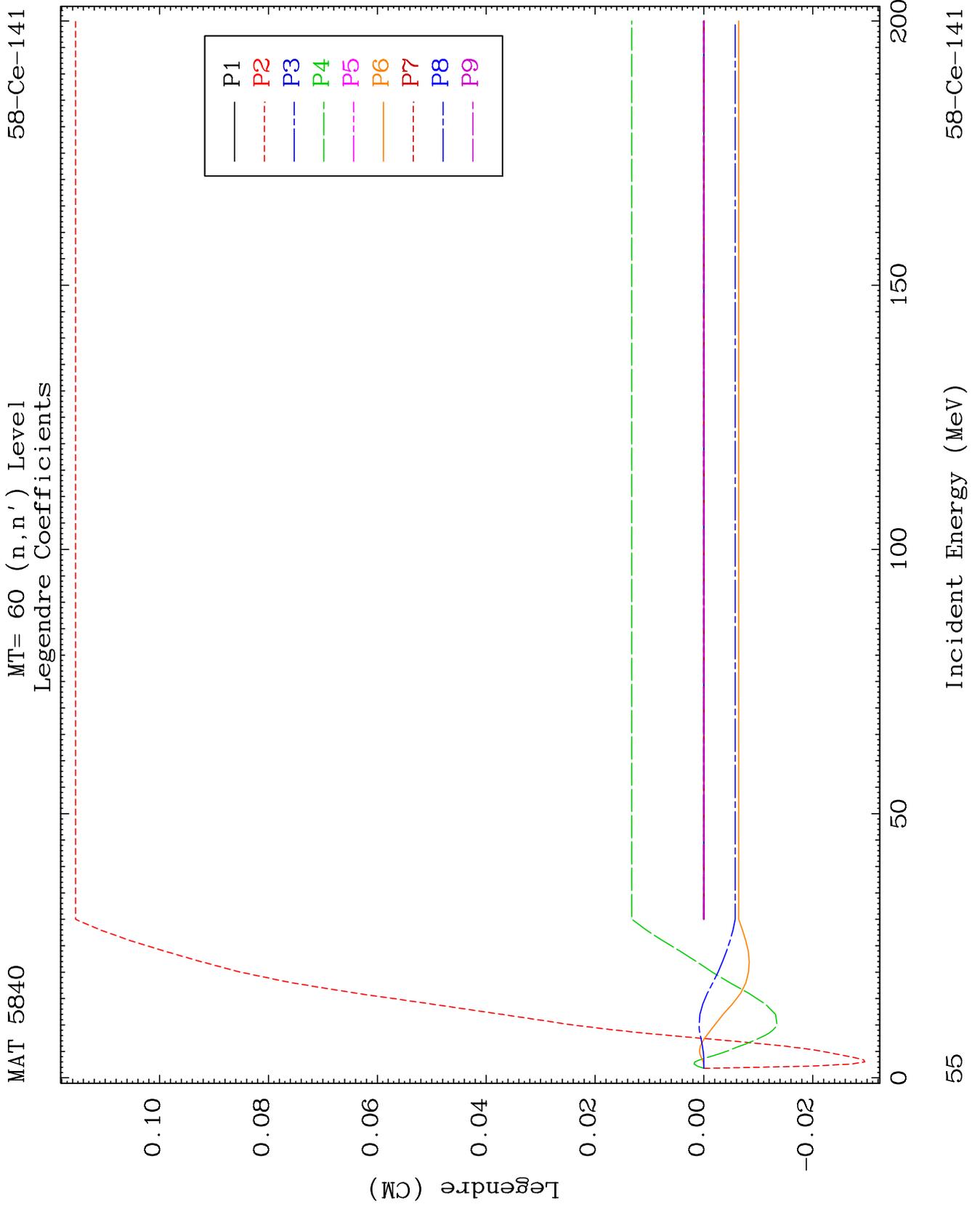
58-Ce-141



54

Incident Energy (MeV)

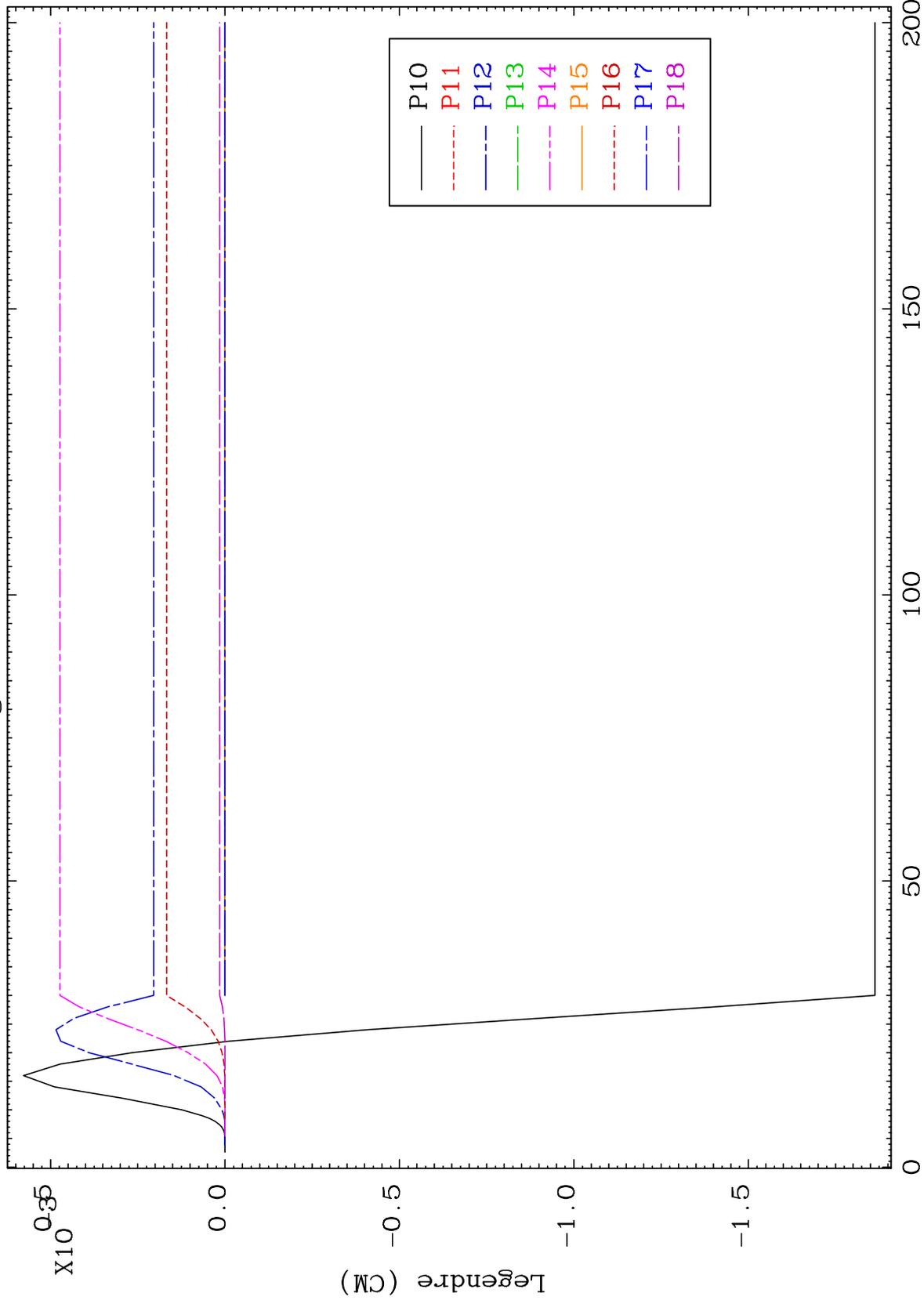
58-Ce-141



MAT 5840

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

58-Ce-141



56

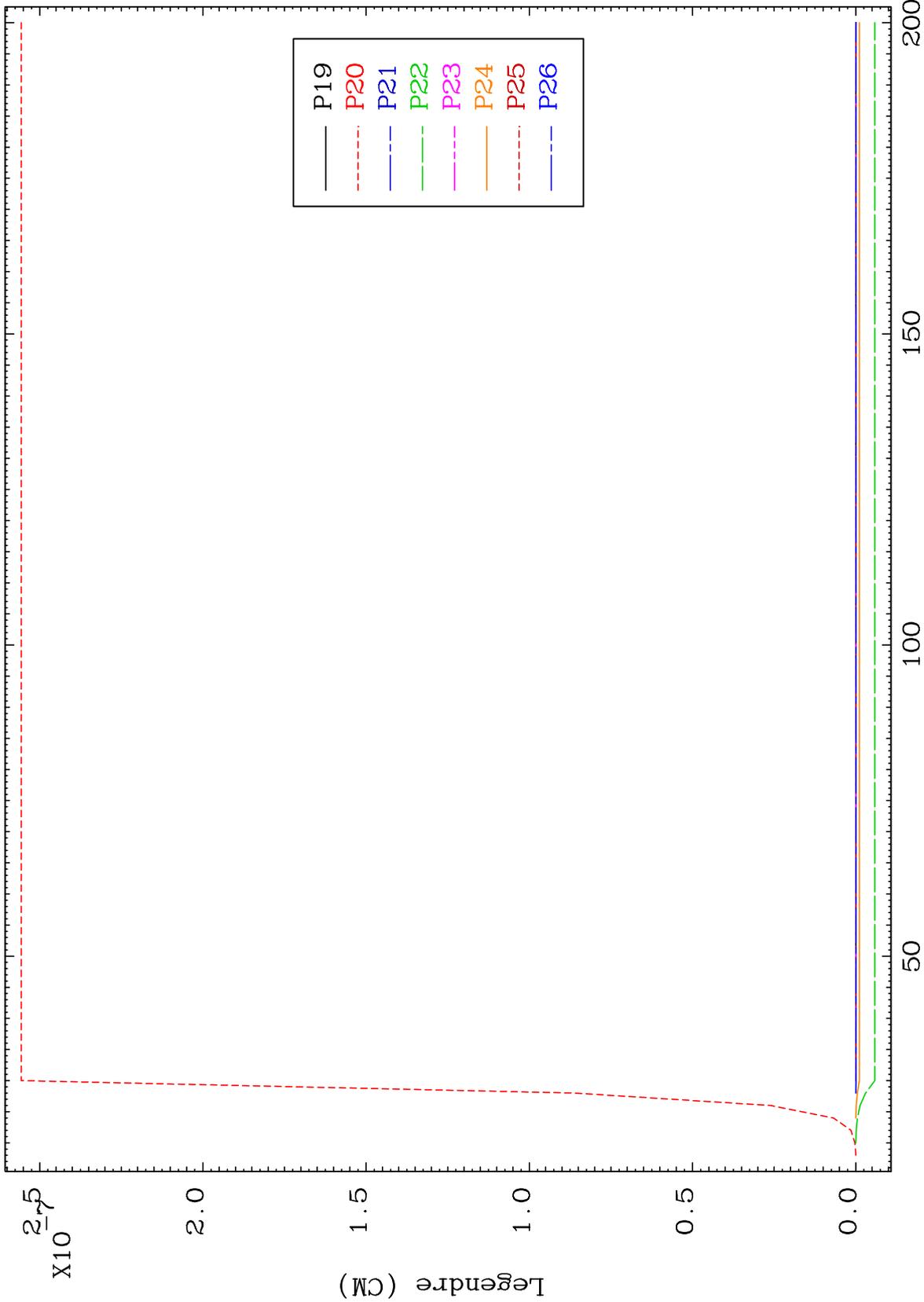
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

58-Ce-141



57

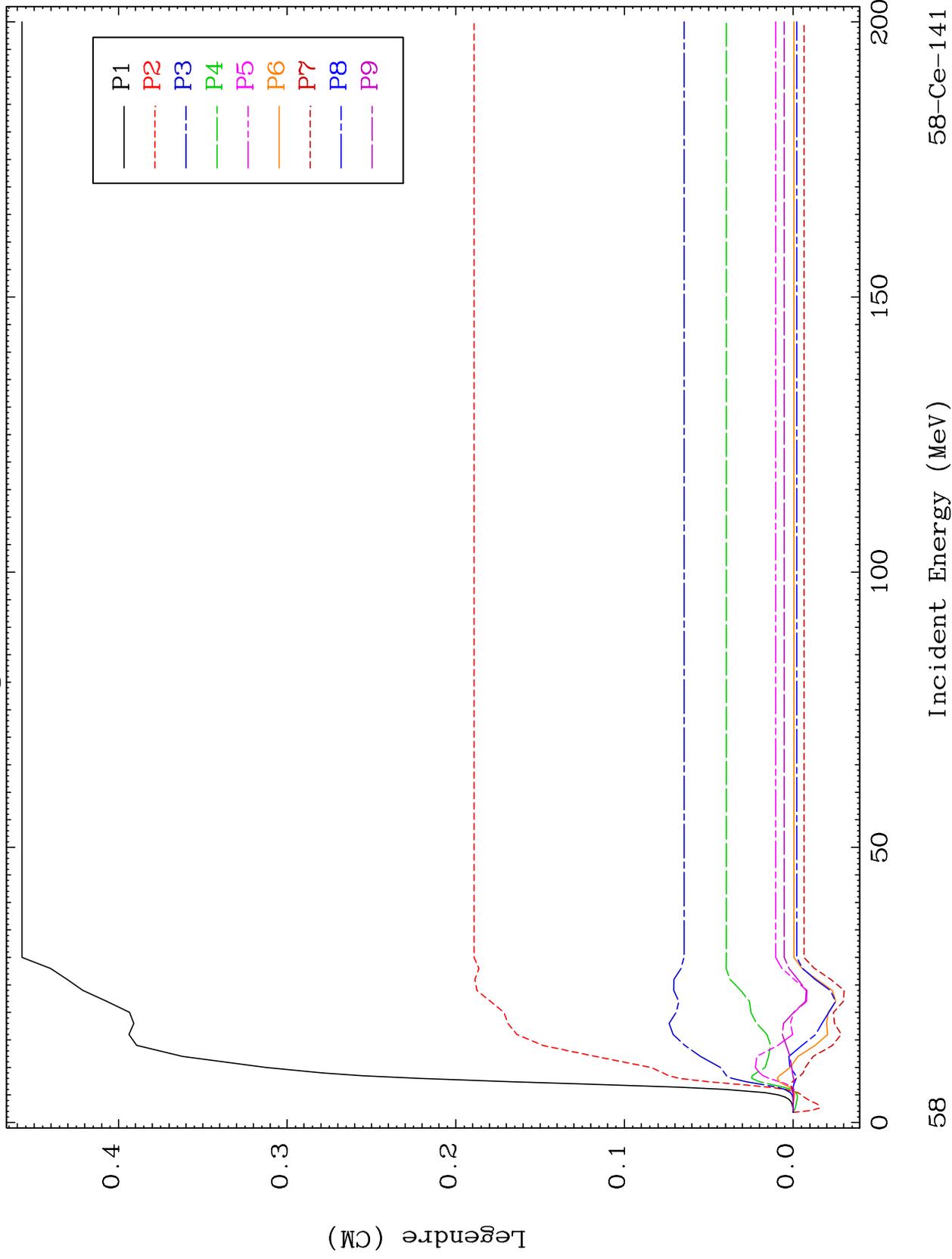
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

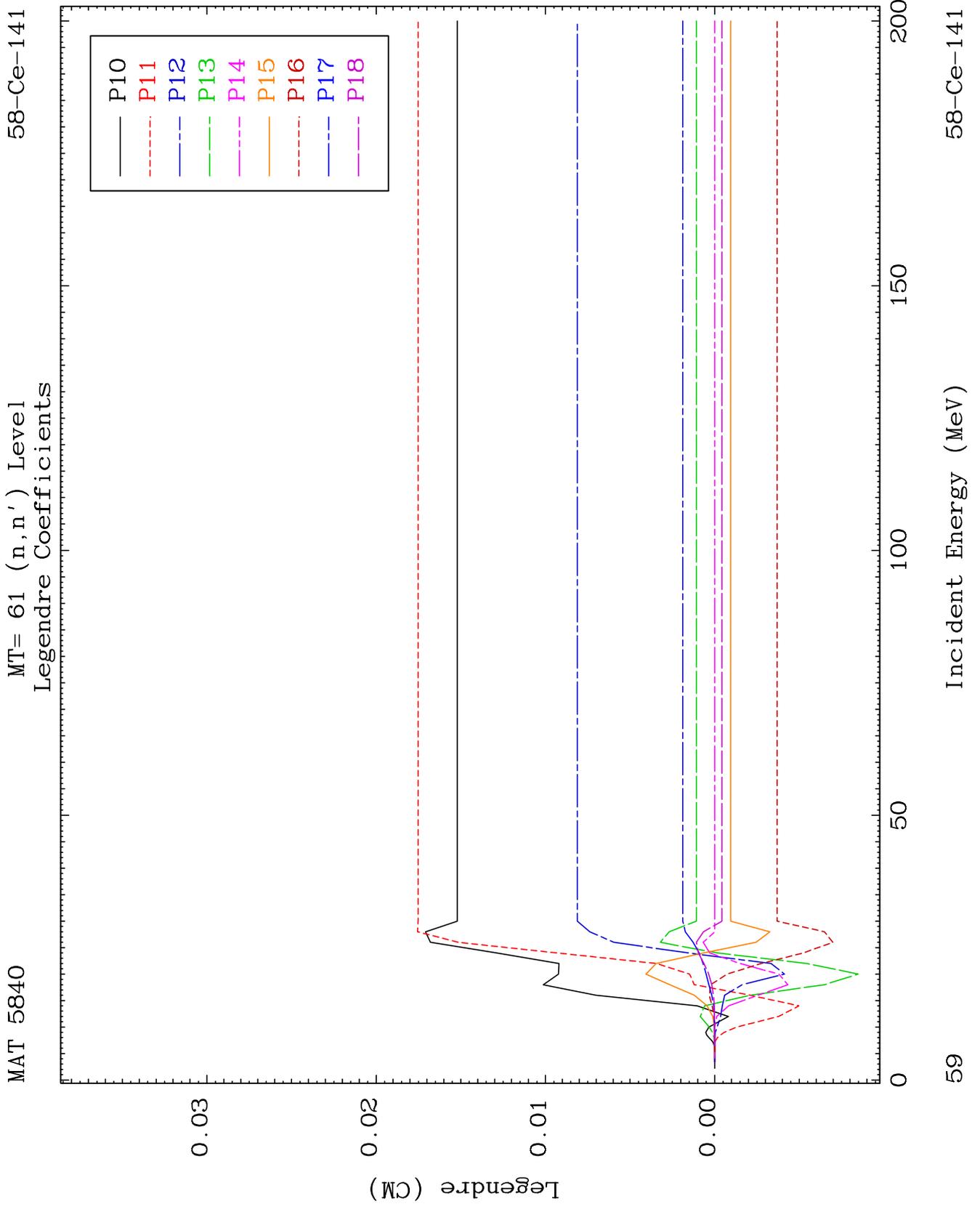
58-Ce-141



58-Ce-141

Incident Energy (MeV)

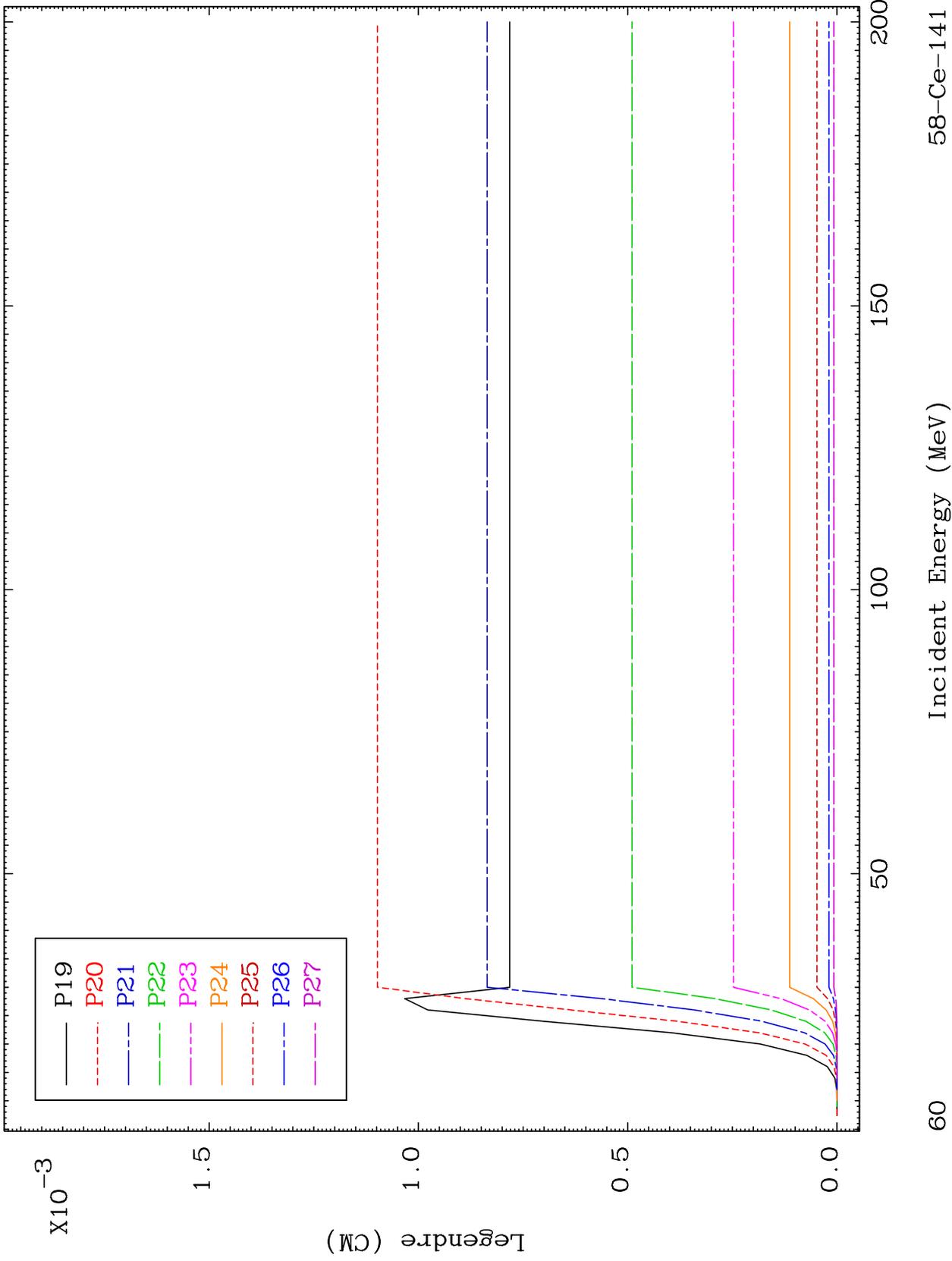
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MAT 5840

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

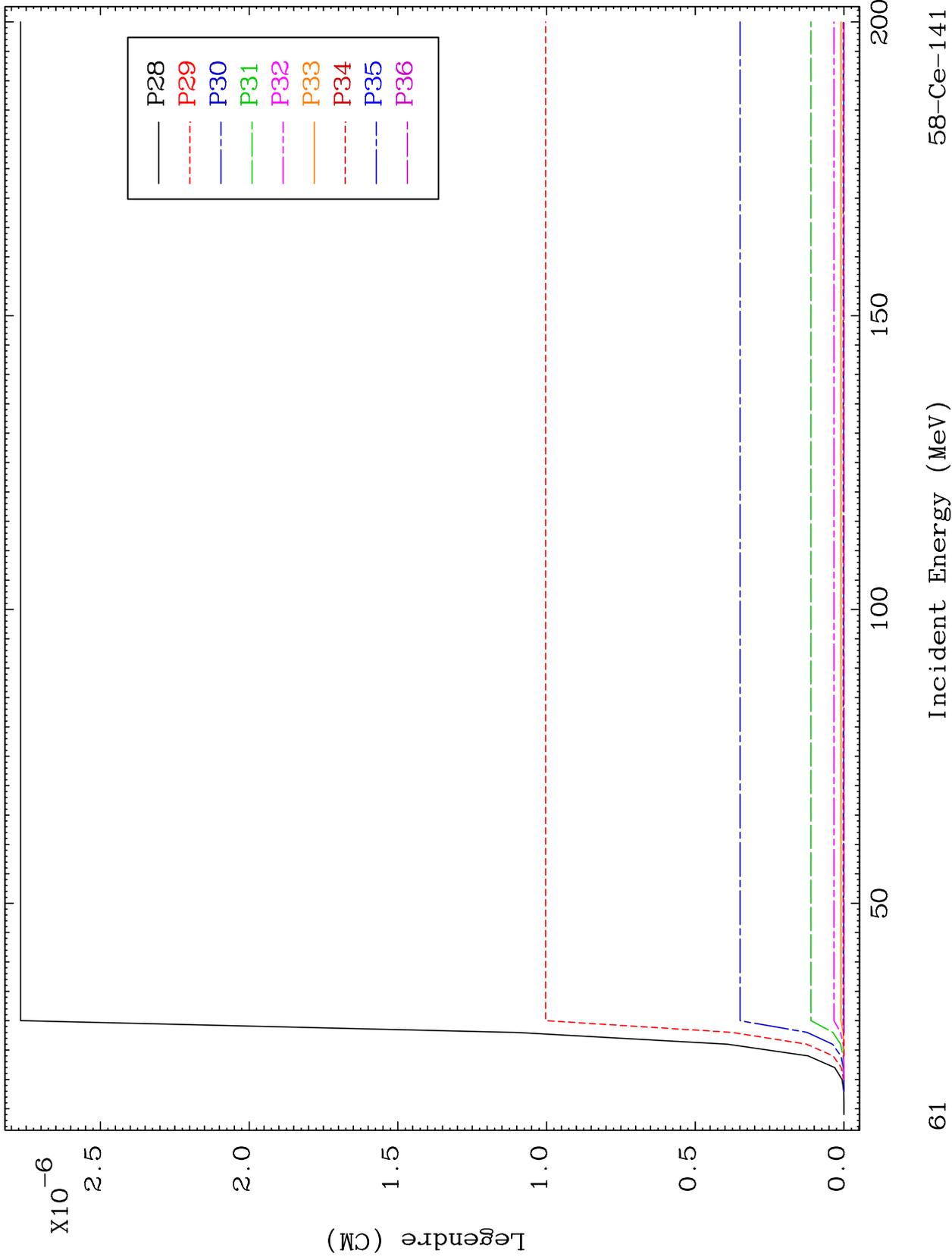
58-Ce-141



MAT 5840

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

58-Ce-141



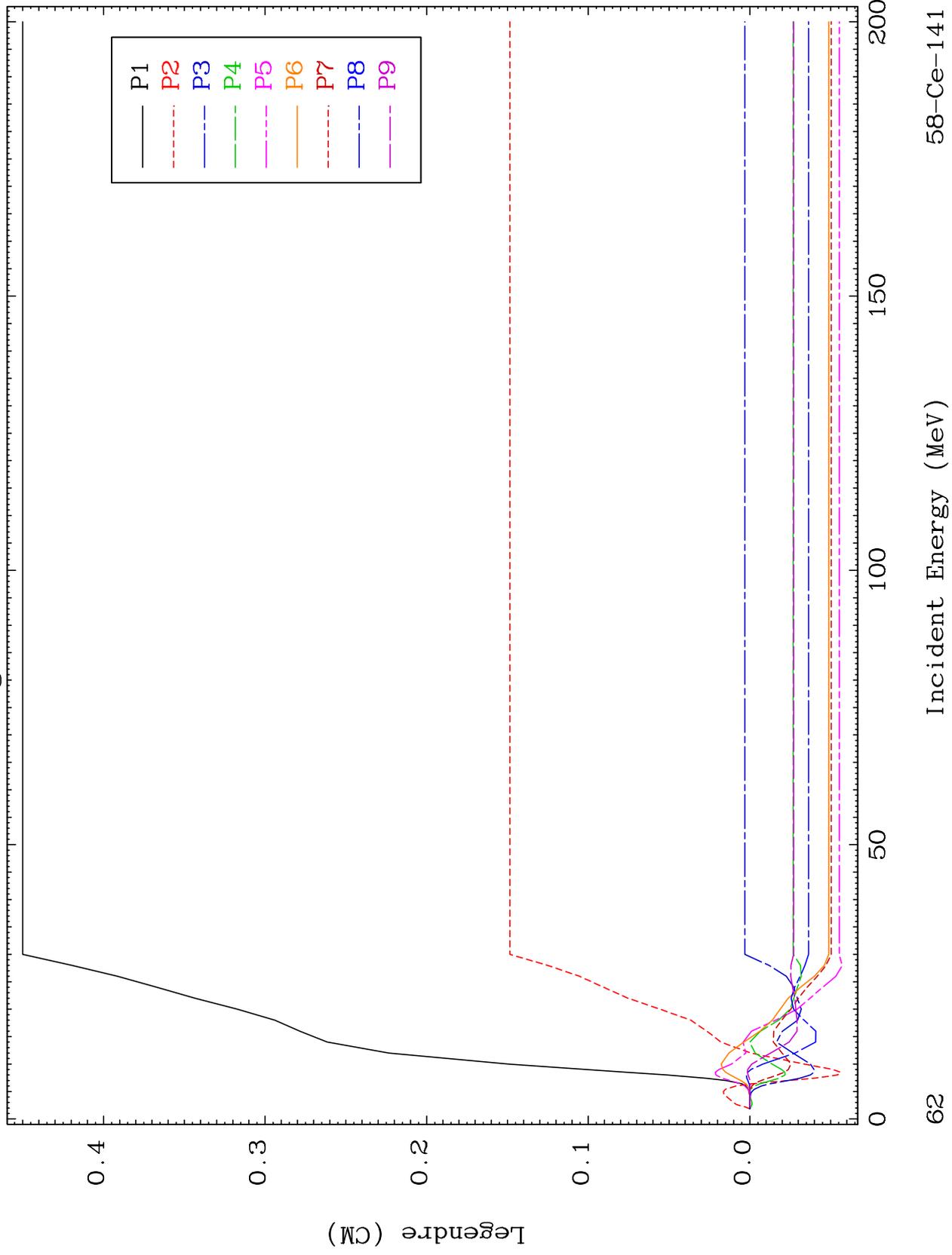
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58-Ce-141

MAT 5840

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

58-Ce-141



58-Ce-141

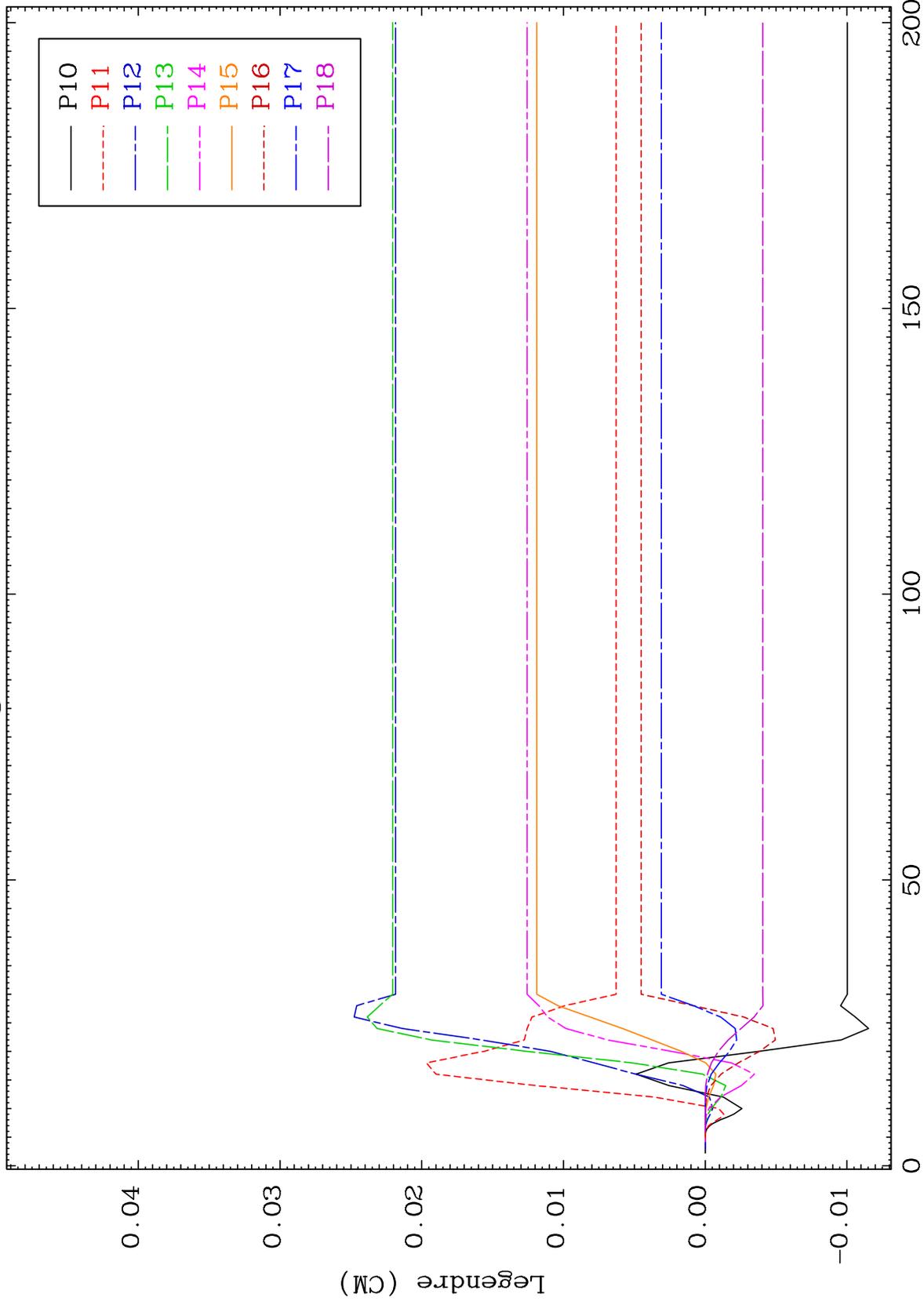
Incident Energy (MeV)

62

MAT 5840

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

58-Ce-141



63

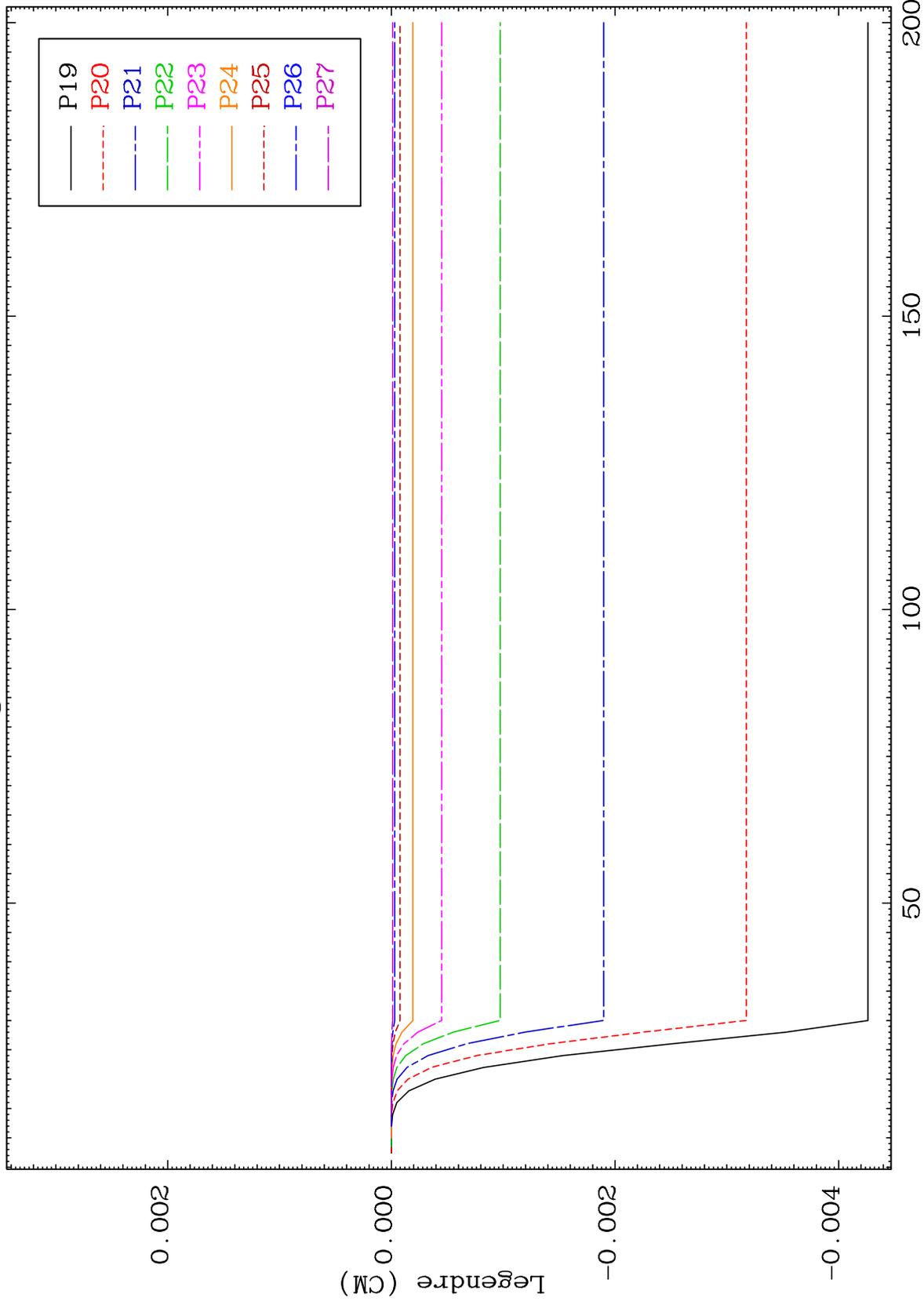
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

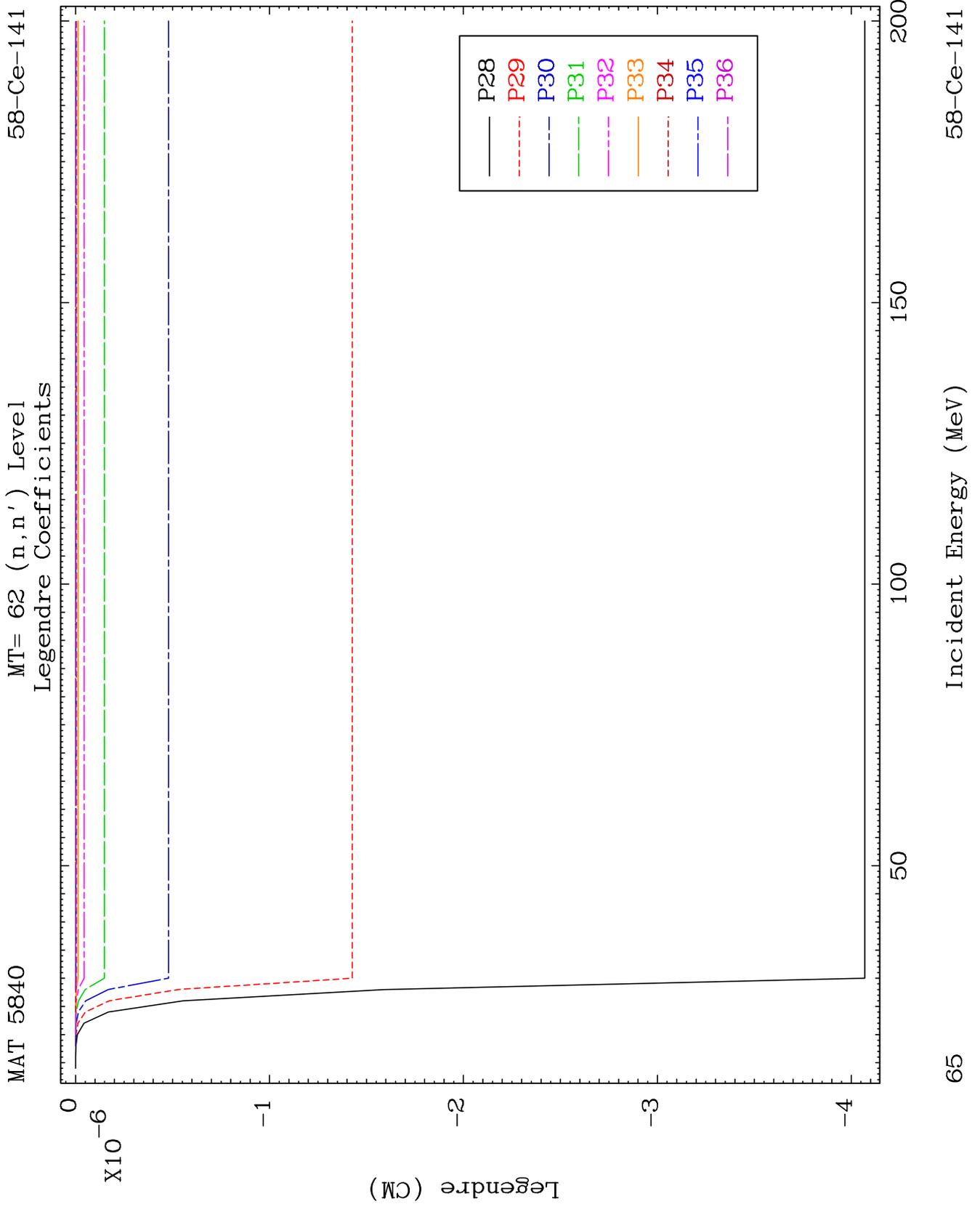
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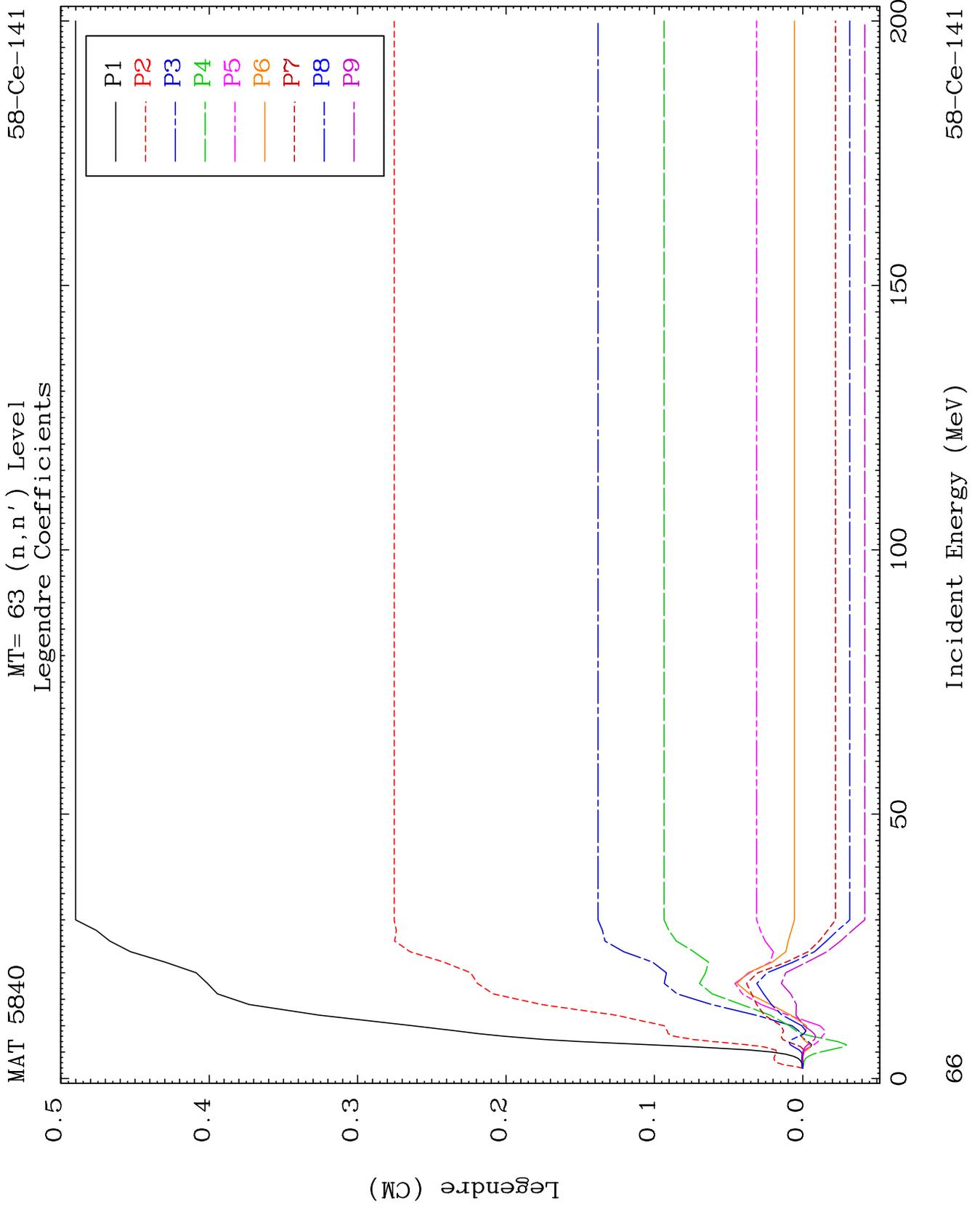


64

Incident Energy (MeV)

58-Ce-141

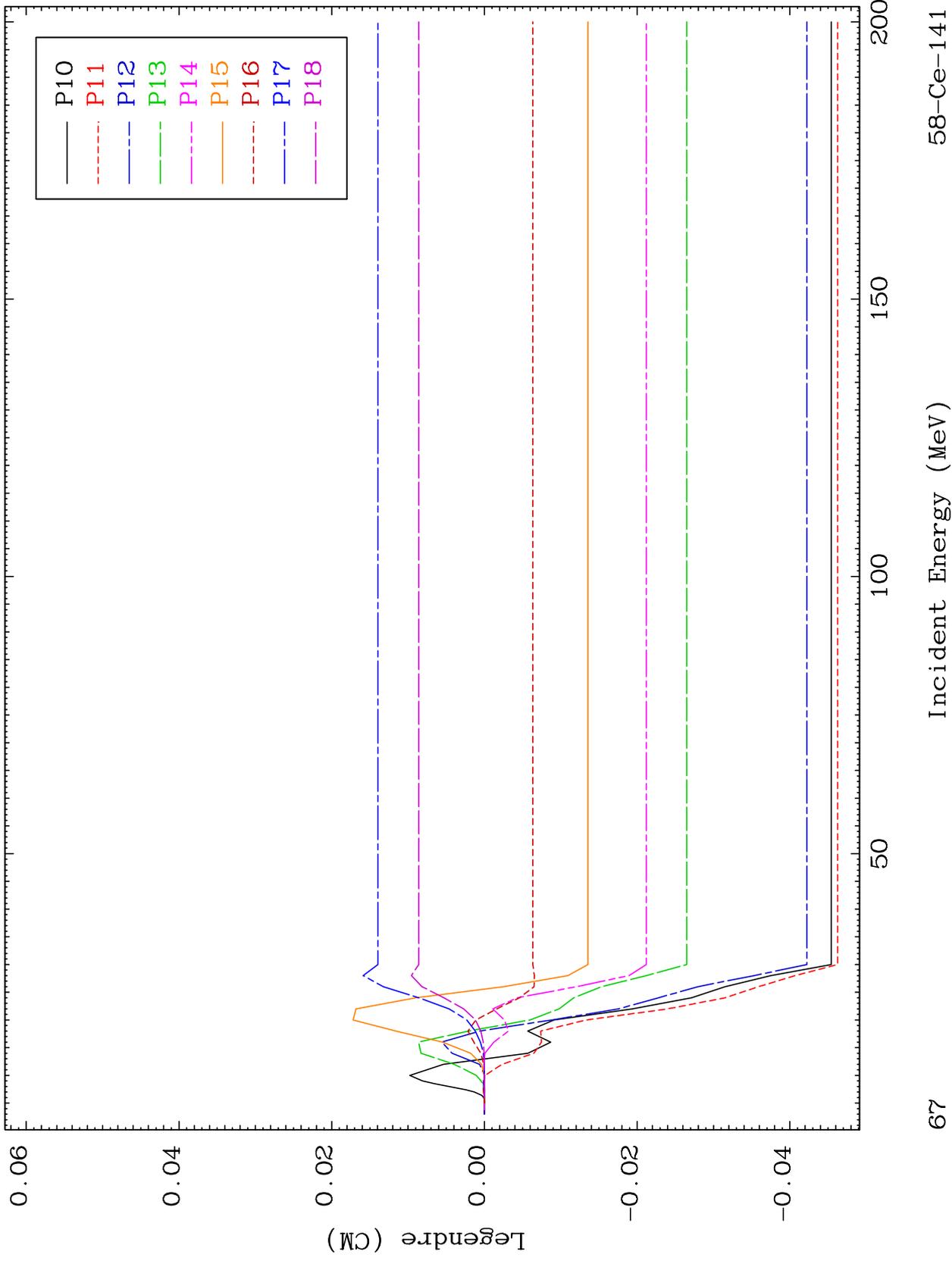




MAT 5840

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

58-Ce-141



67

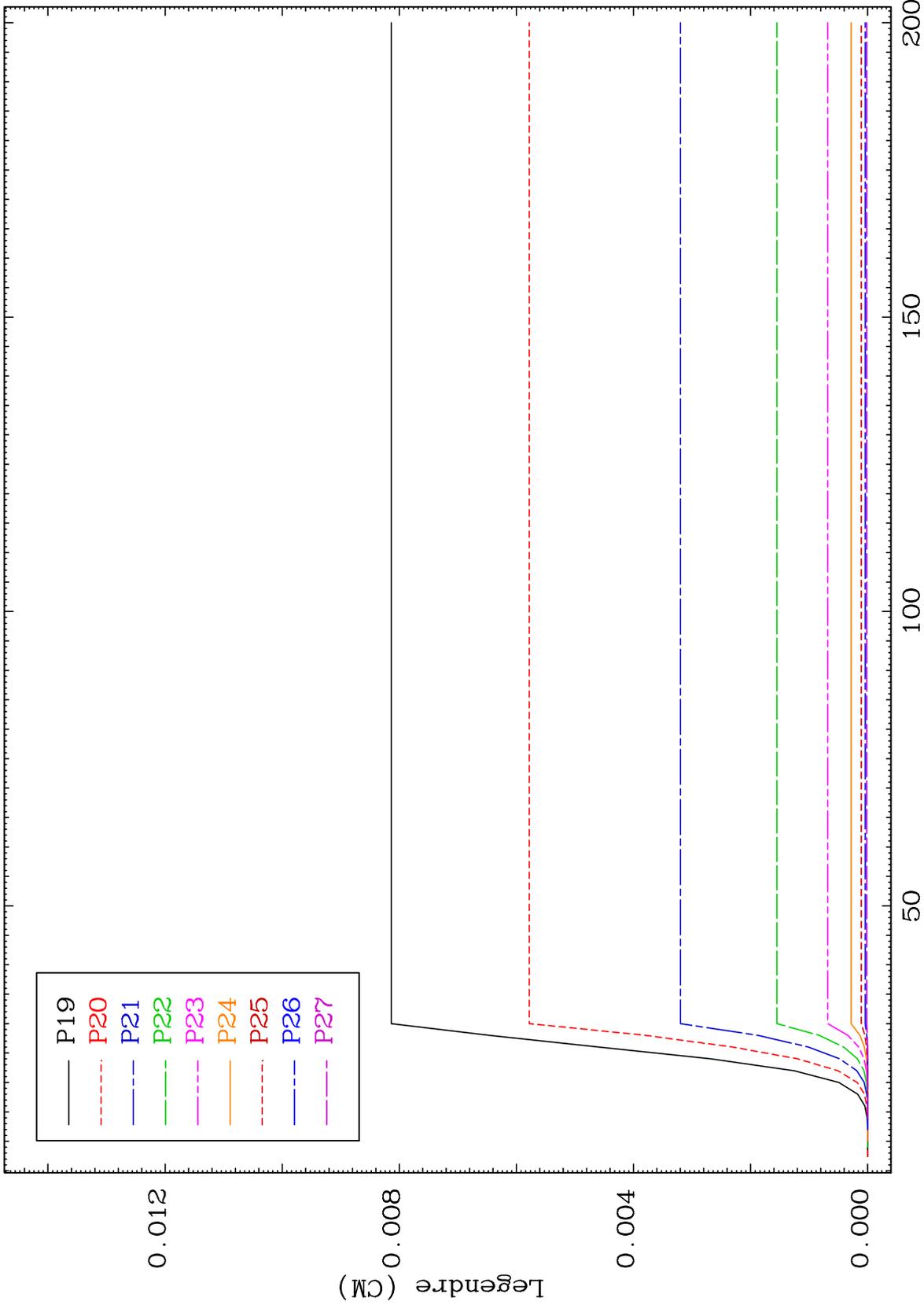
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

58-Ce-141



68

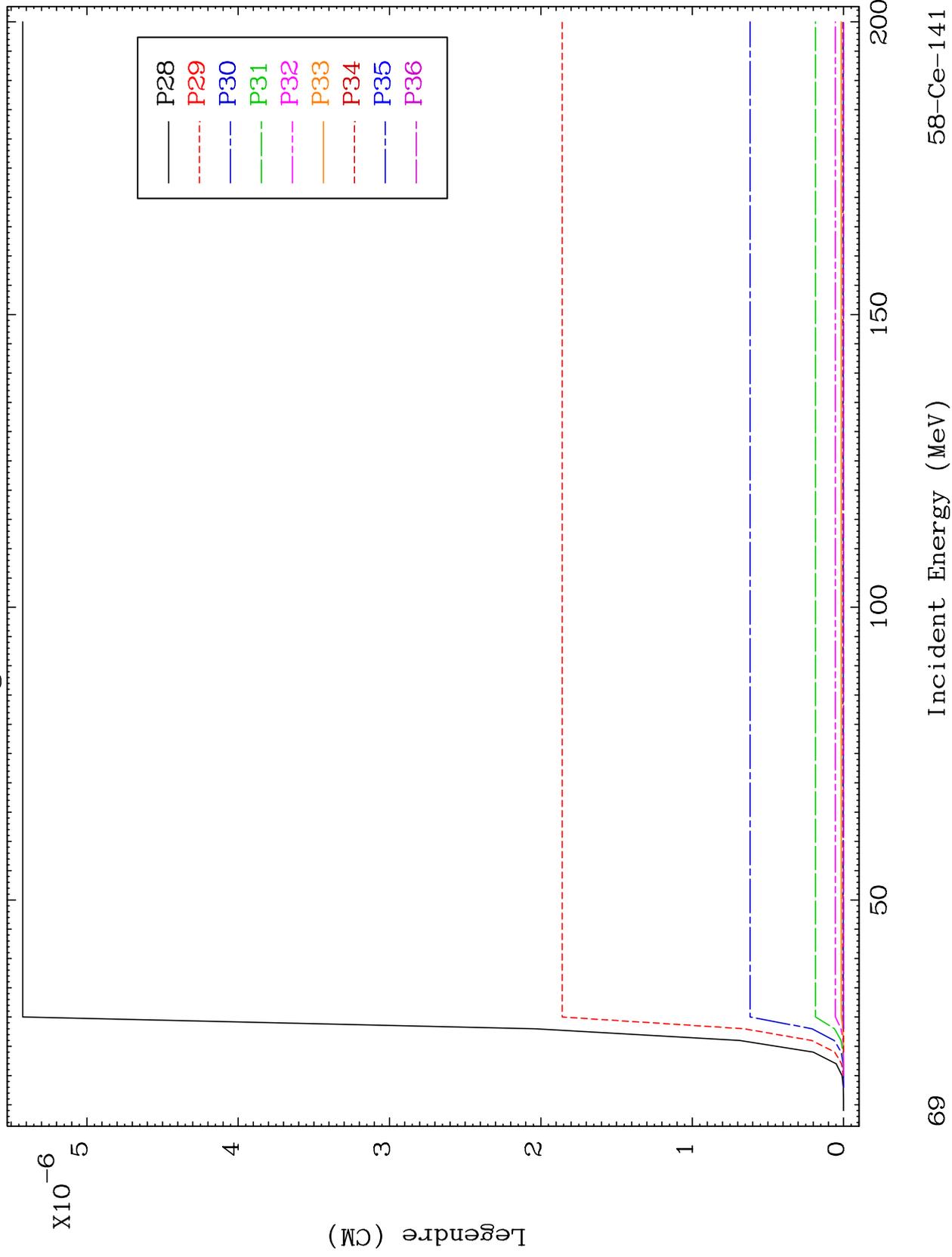
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

58-Ce-141

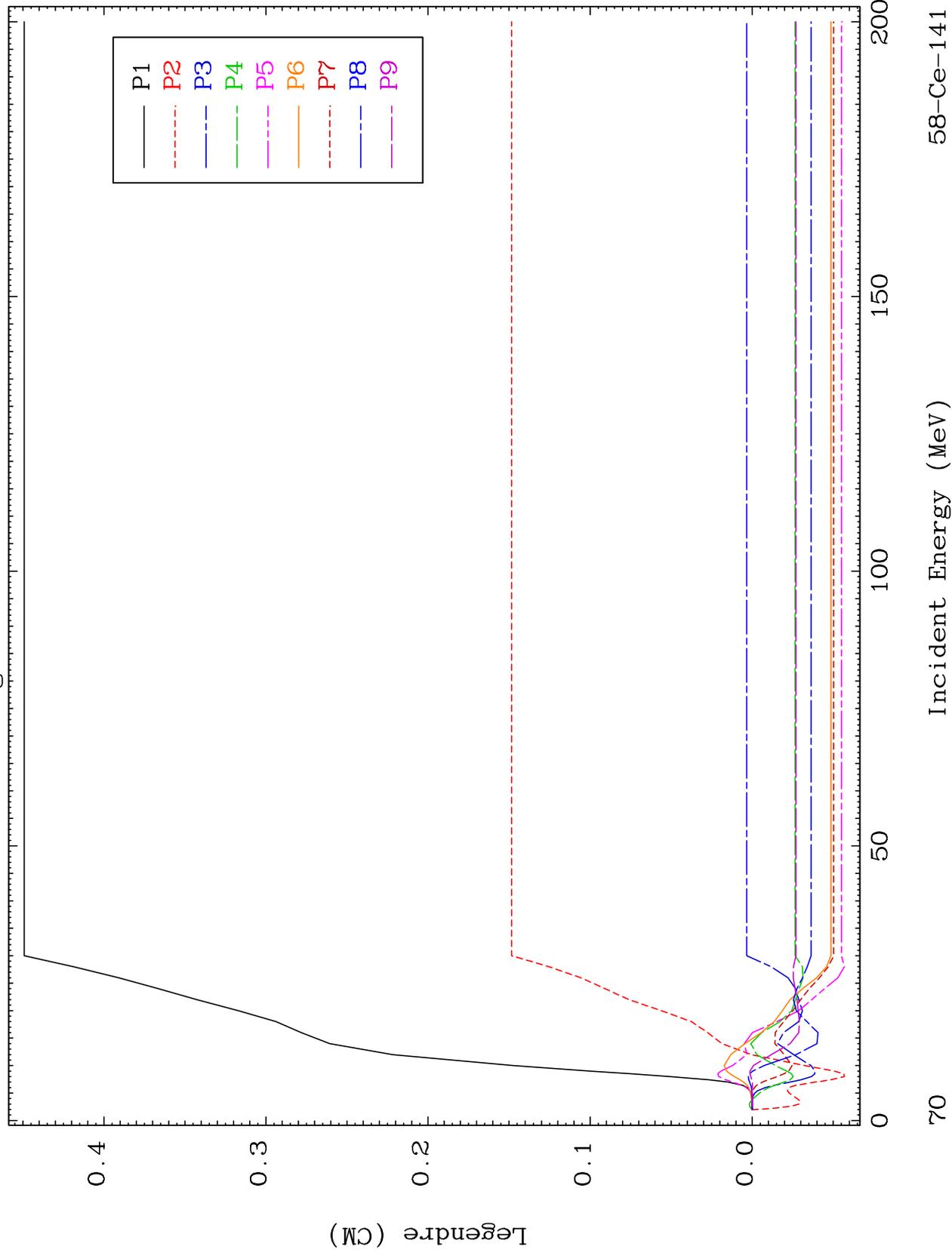


69

MAT 5840

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

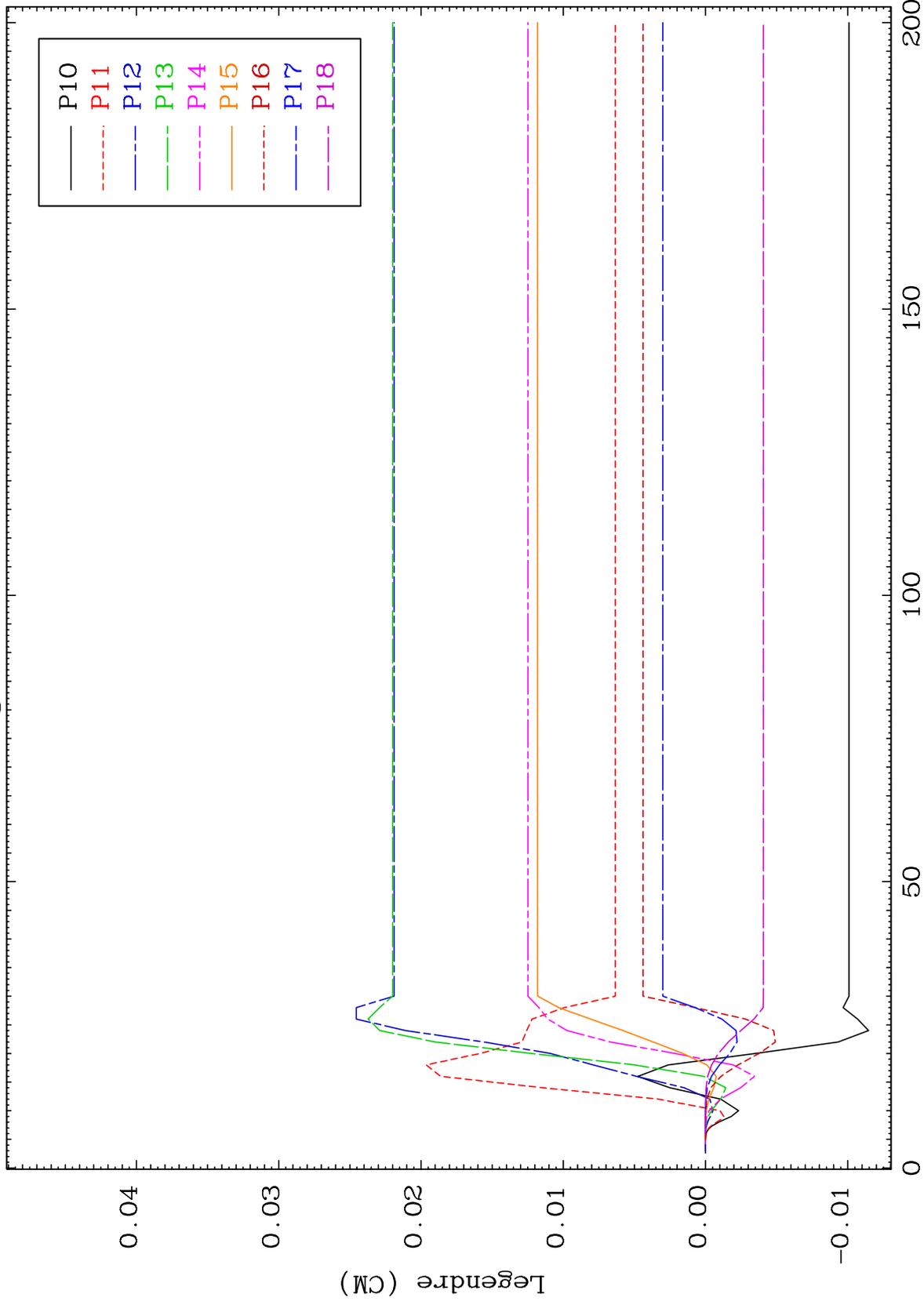
58-Ce-141



MAT 5840

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

58-Ce-141



71

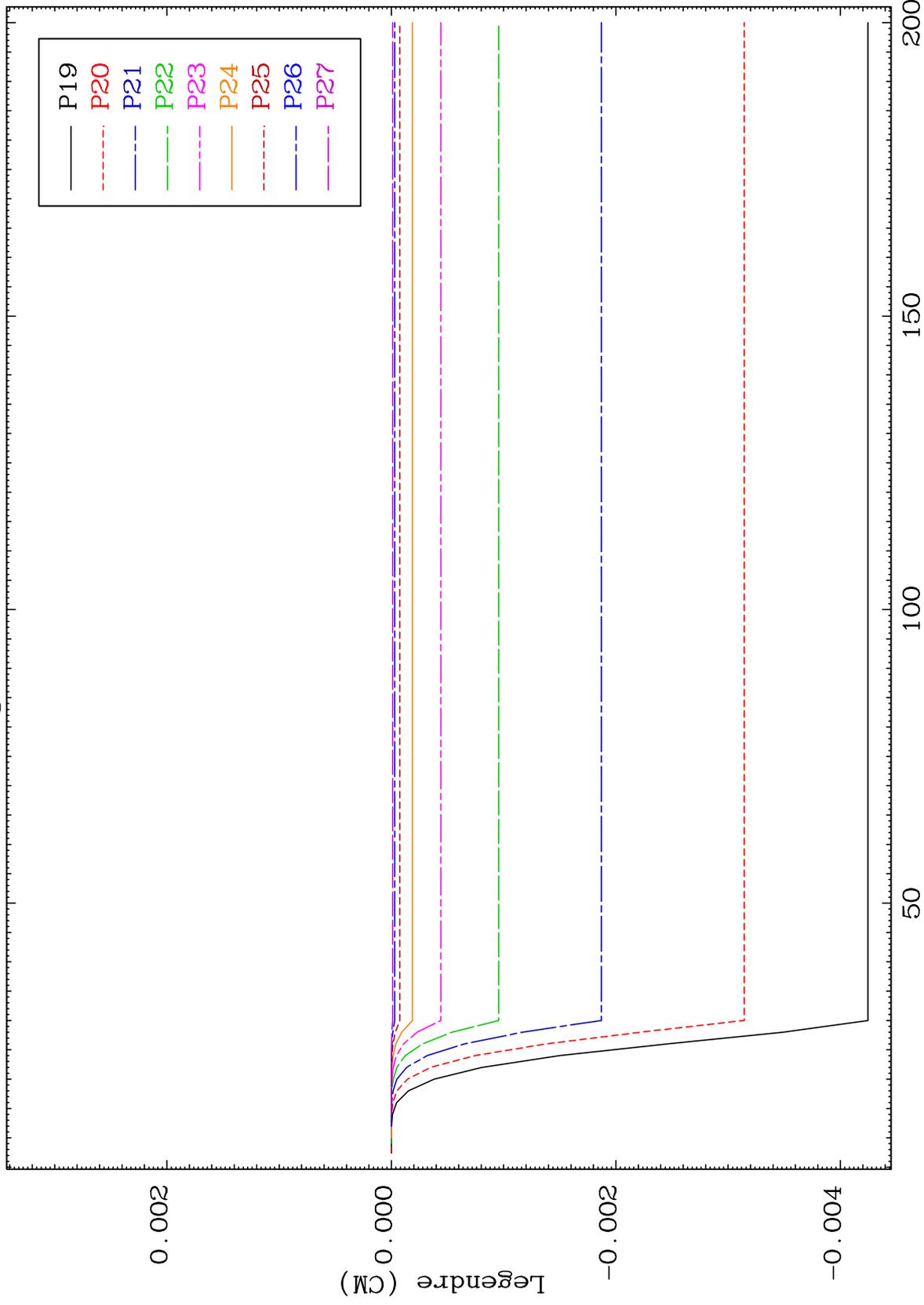
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

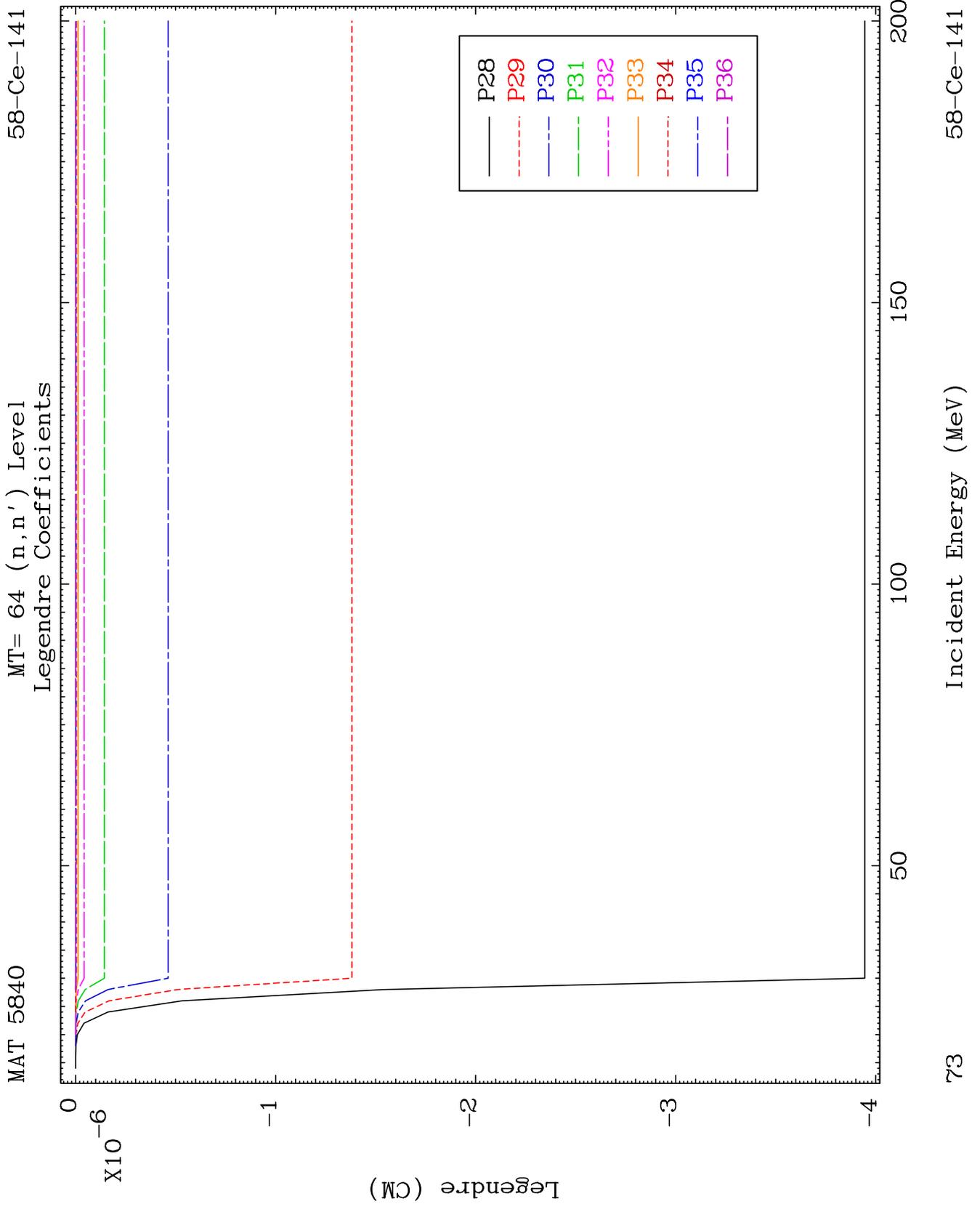
58-Ce-141

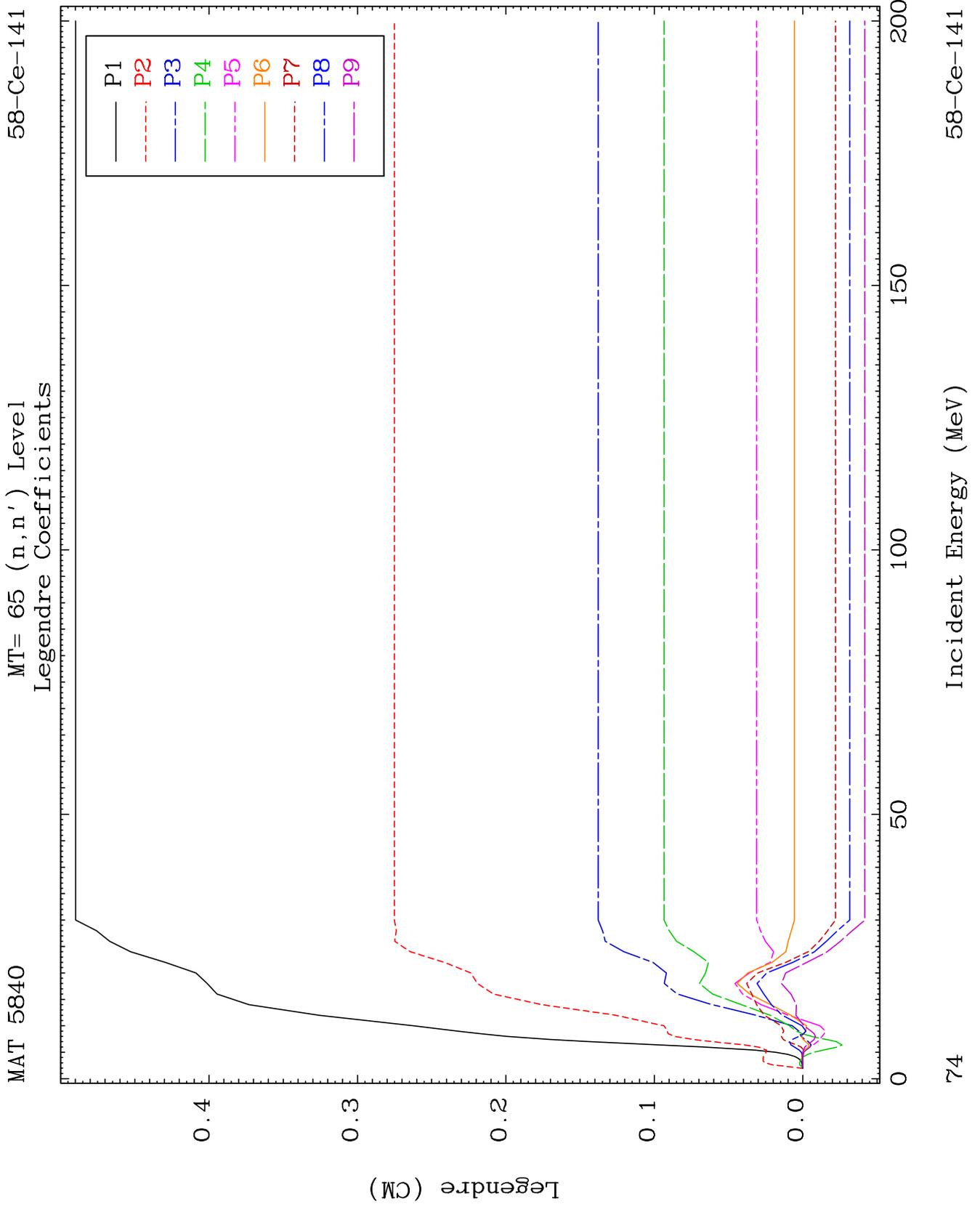


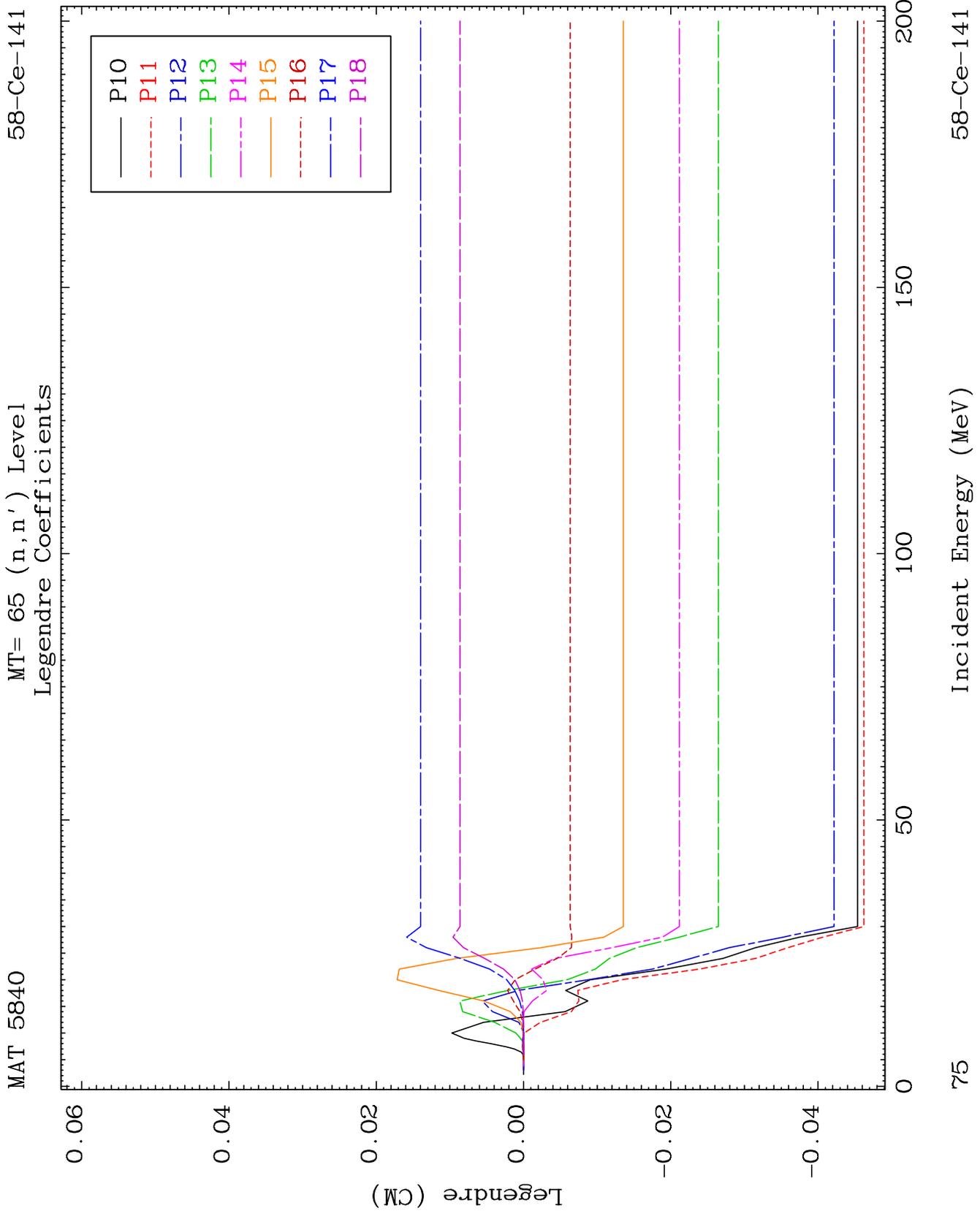
72

Incident Energy (MeV)

58-Ce-141



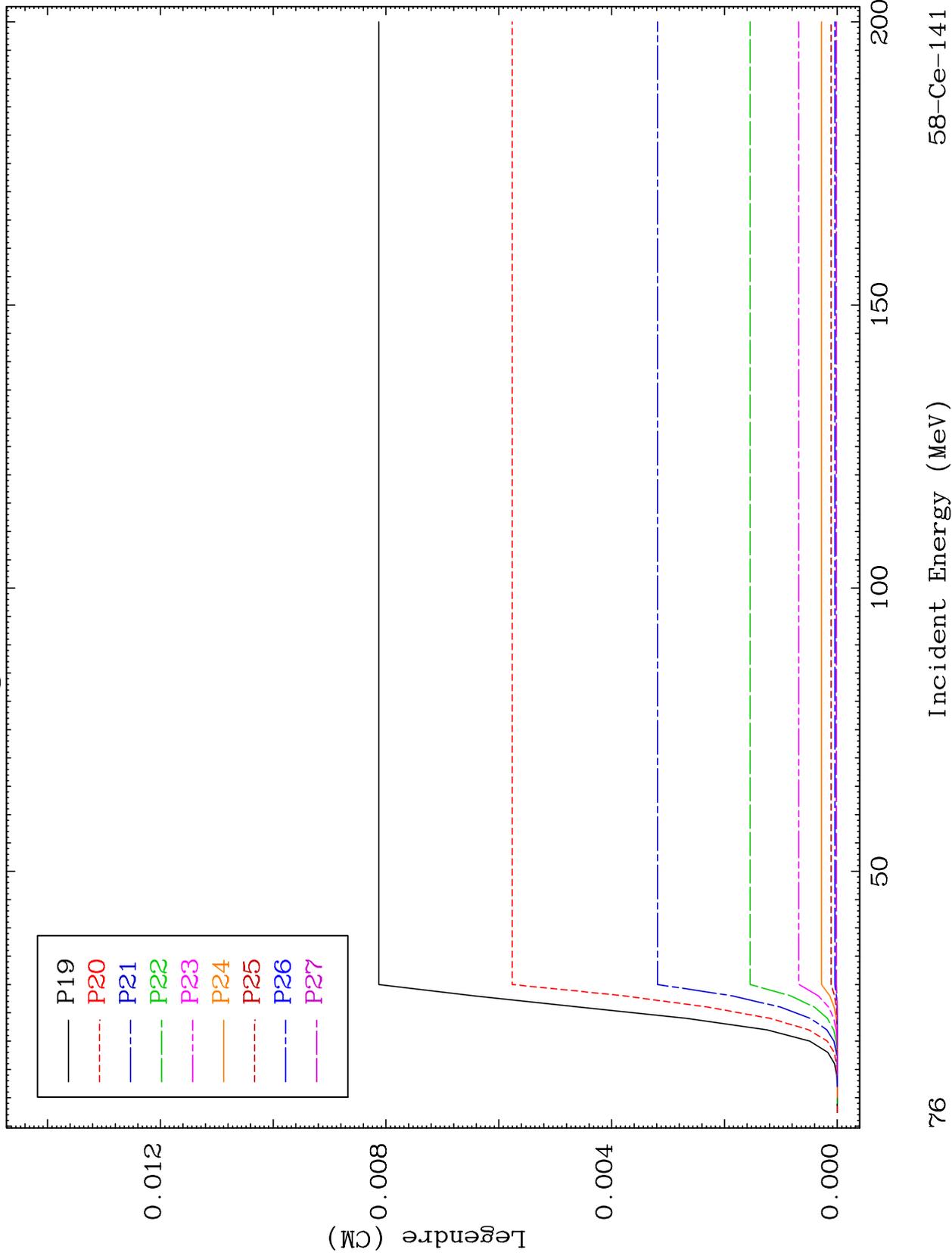




MAT 5840

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

58-Ce-141



76

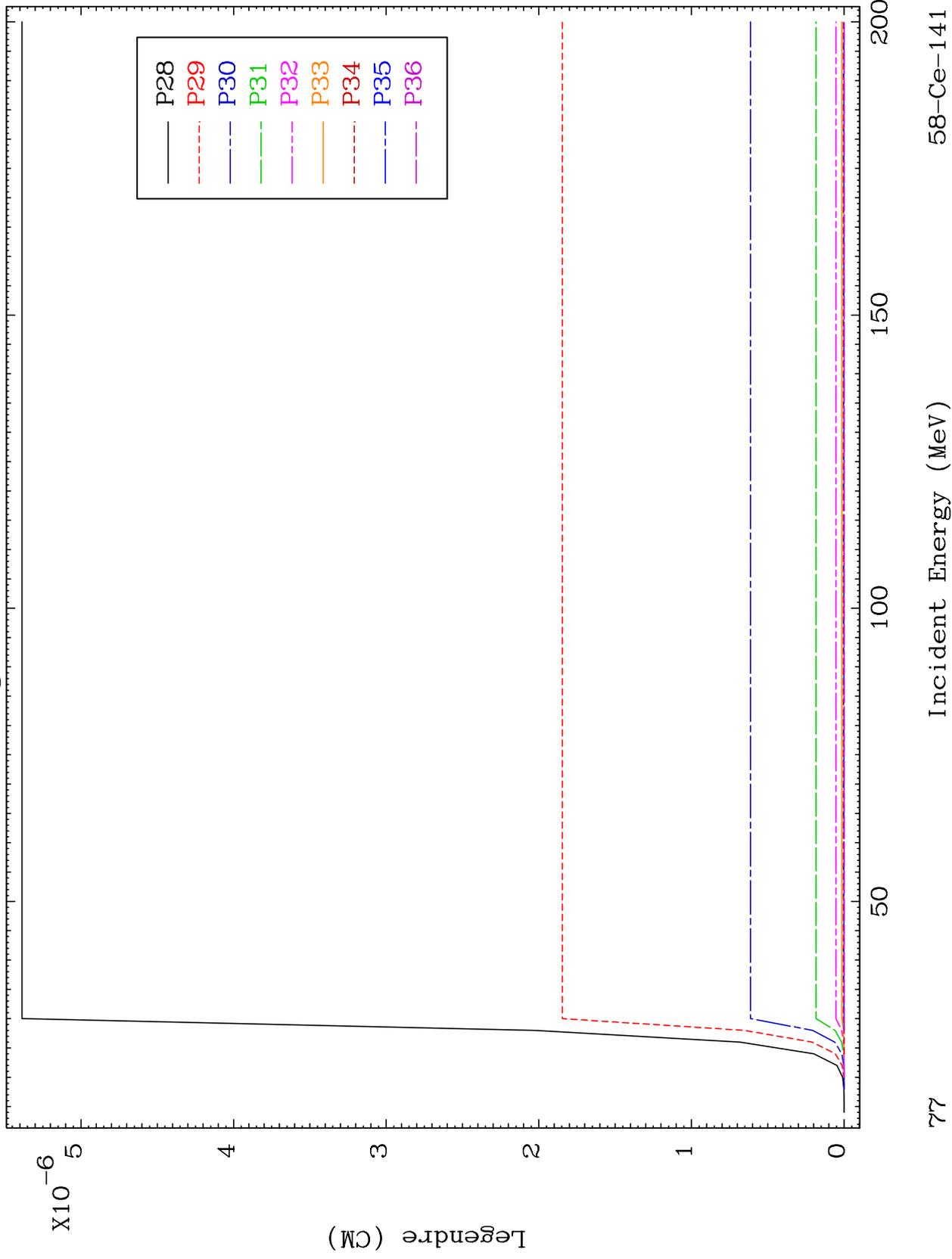
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

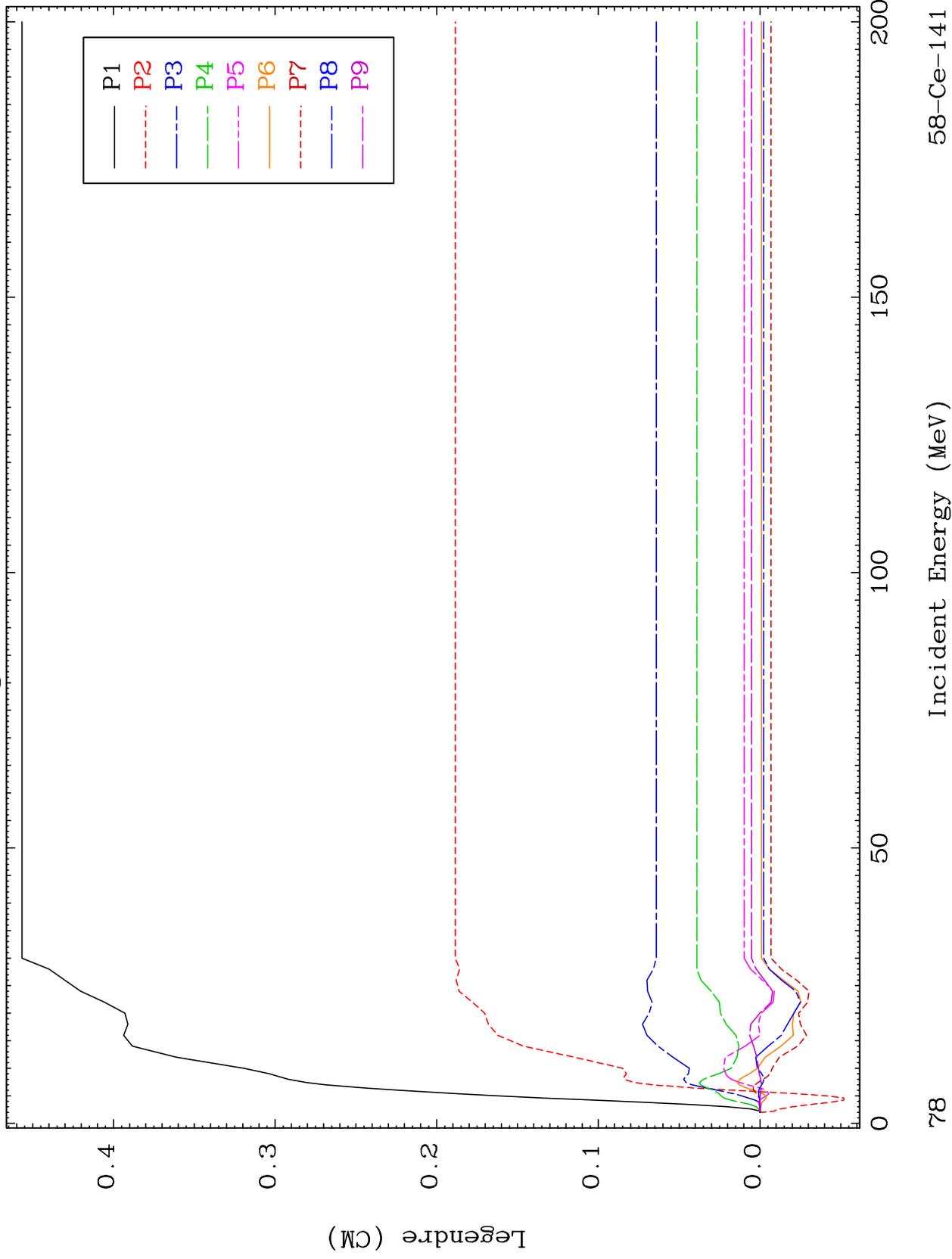
58-Ce-141



MAT 5840

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

58-Ce-141



58-Ce-141

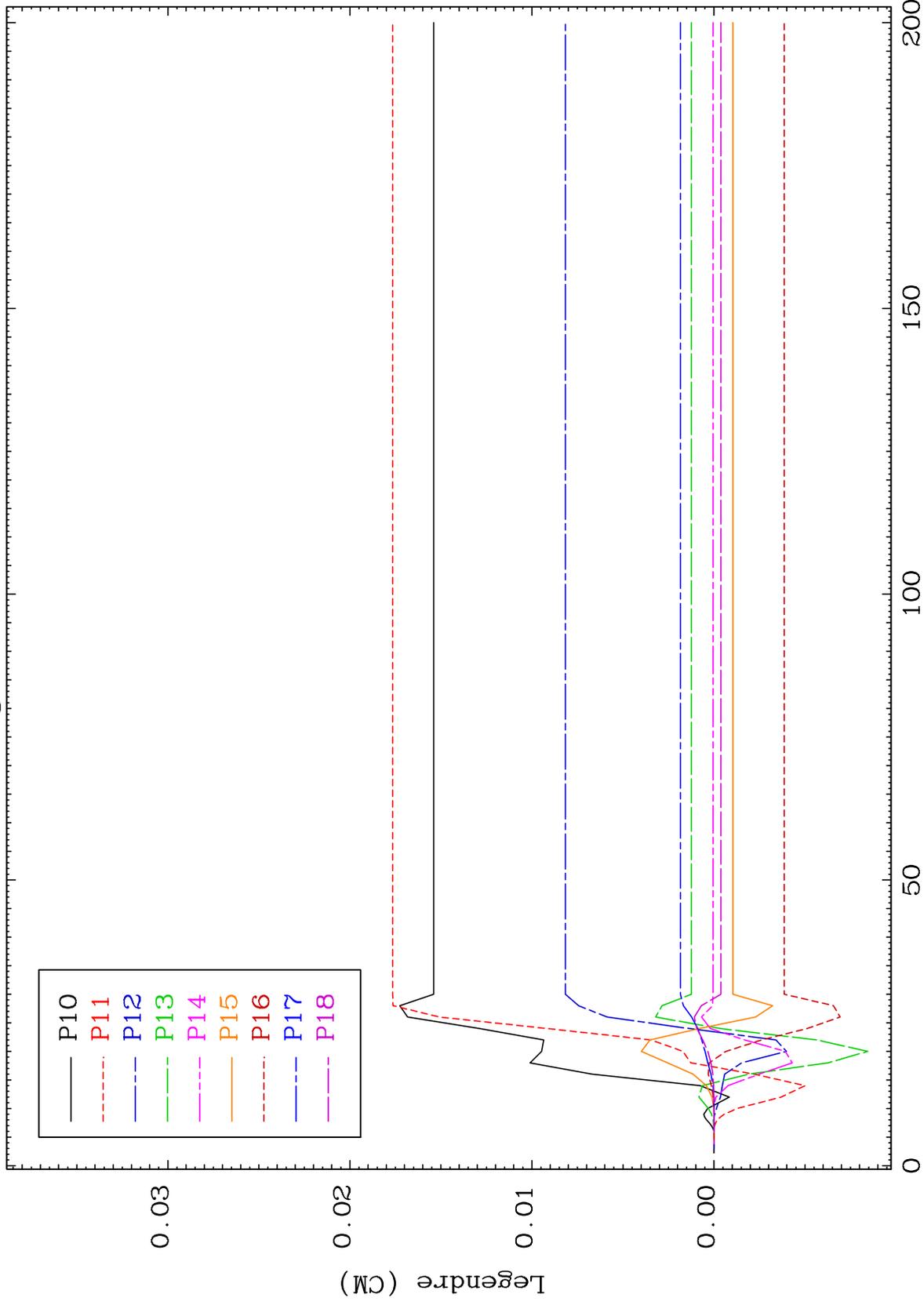
Incident Energy (MeV)

78

MAT 5840

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

58-Ce-141



79

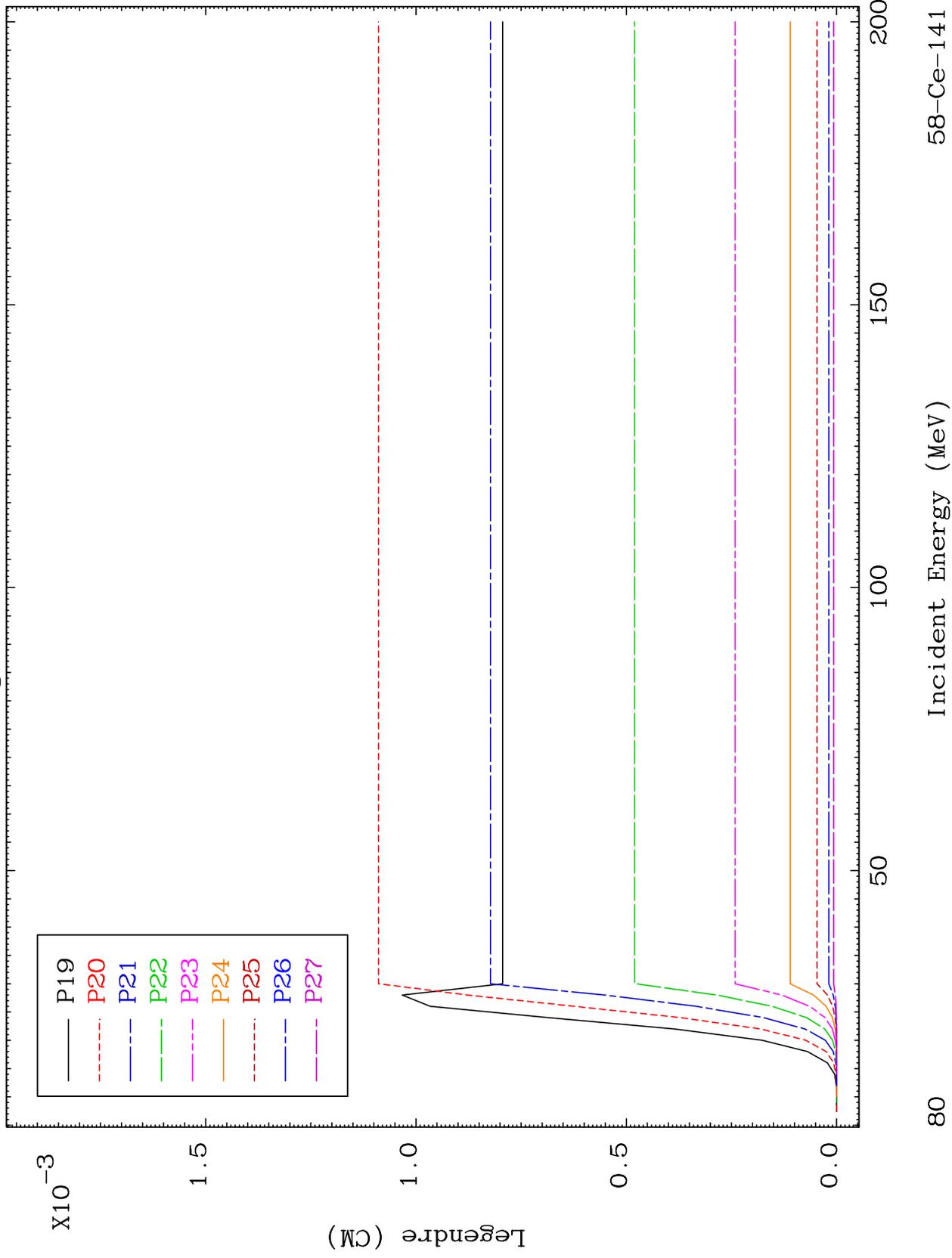
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

58-Ce-141



80

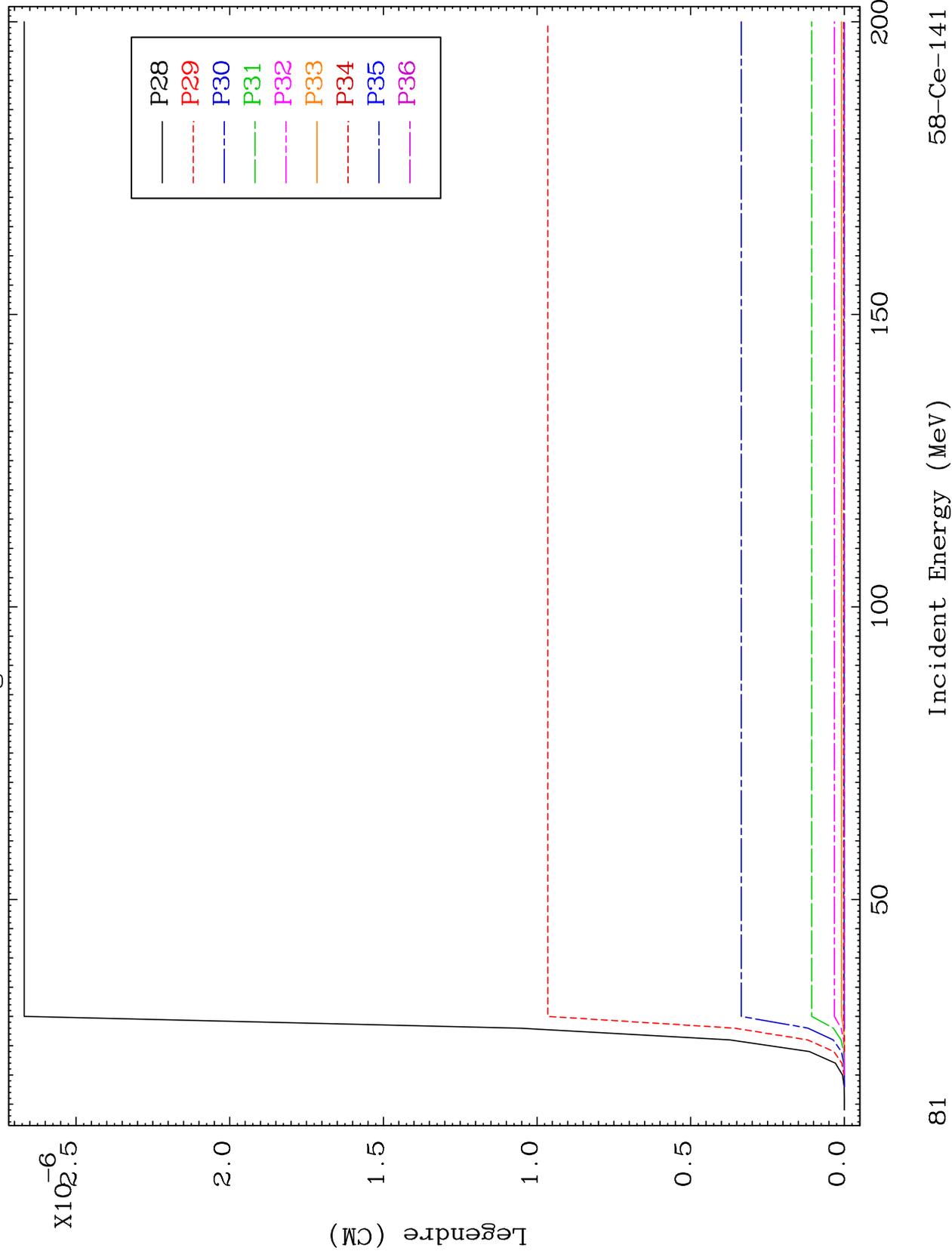
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

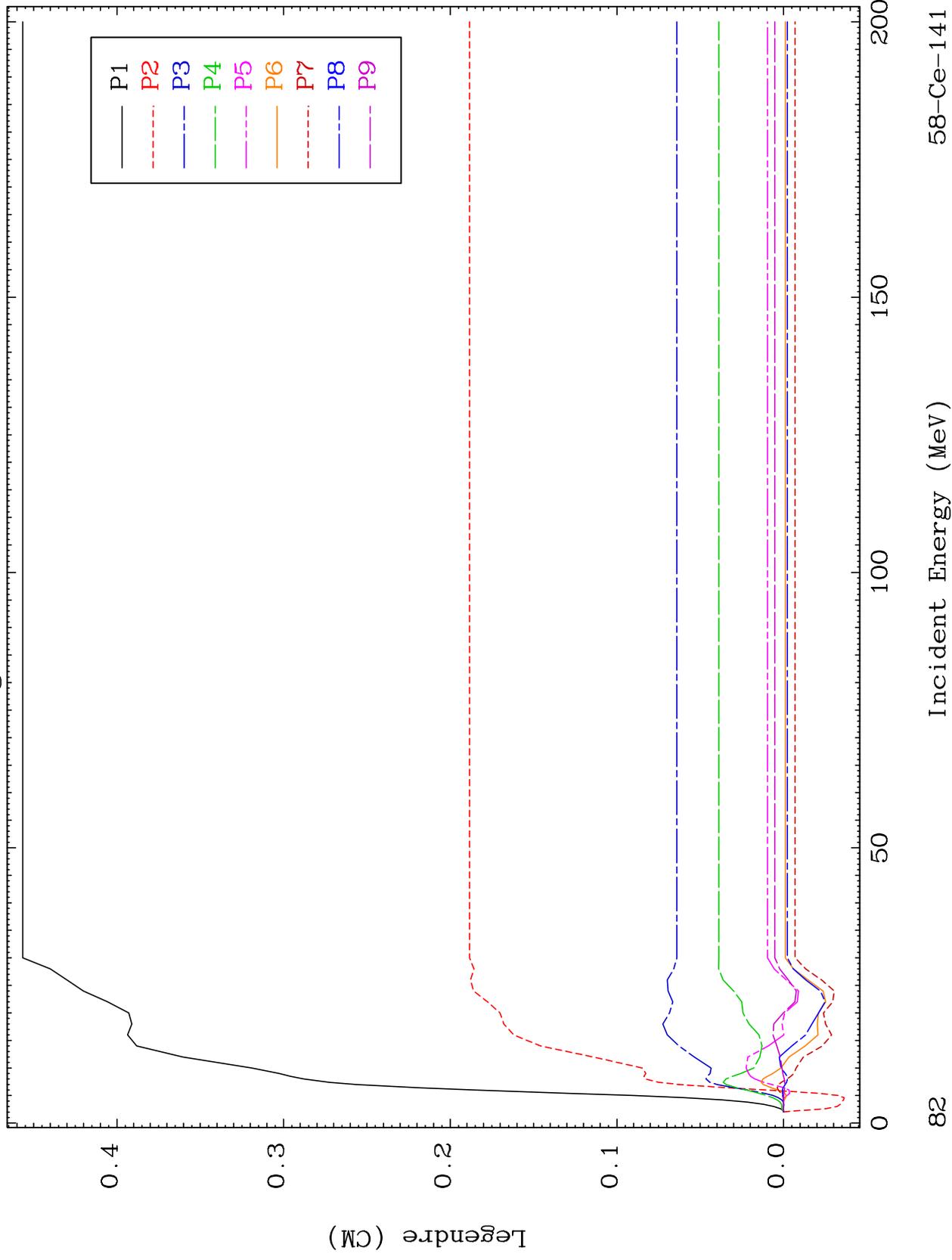
58-Ce-141



MAT 5840

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

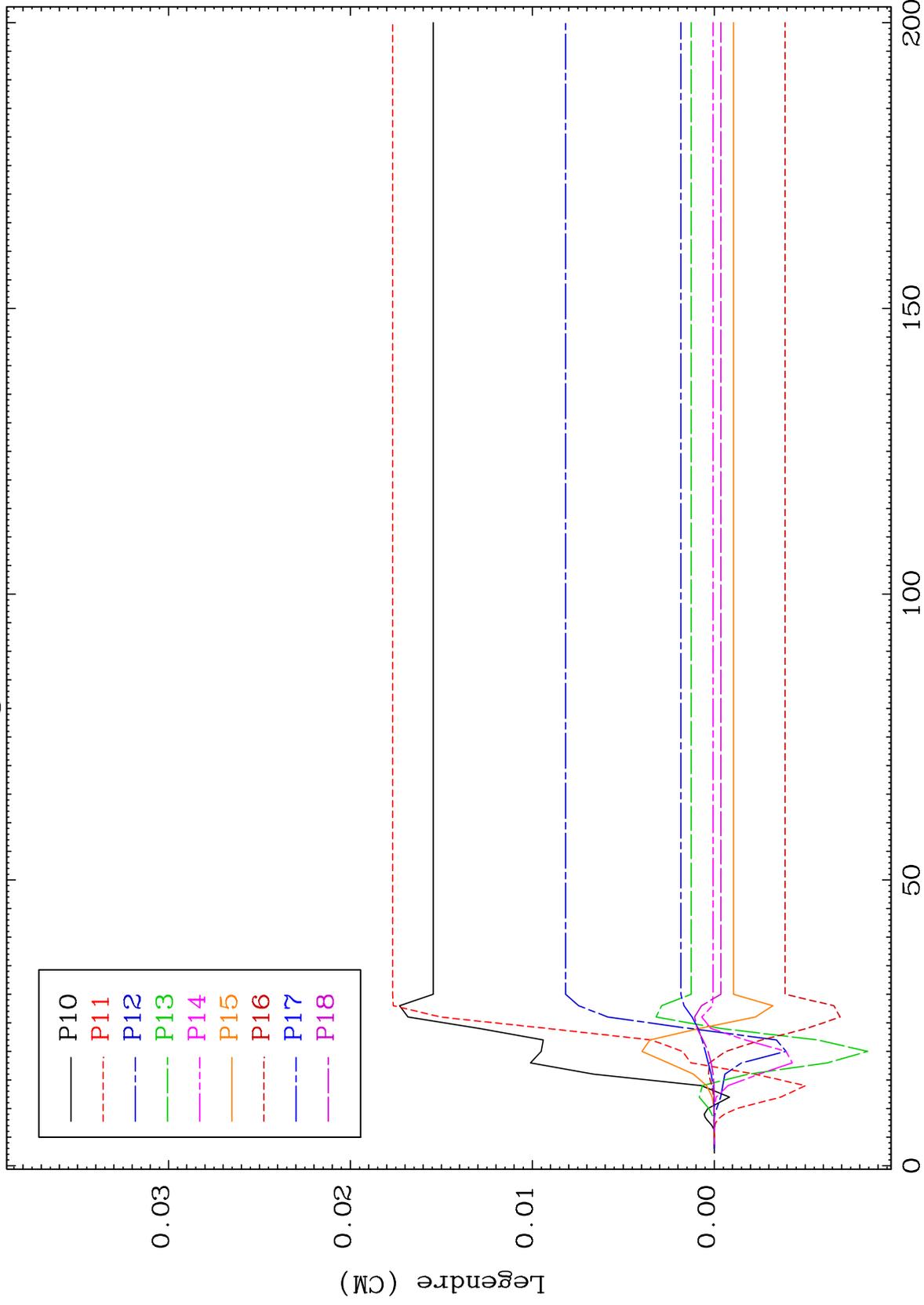
58-Ce-141



MAT 5840

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

58-Ce-141



83

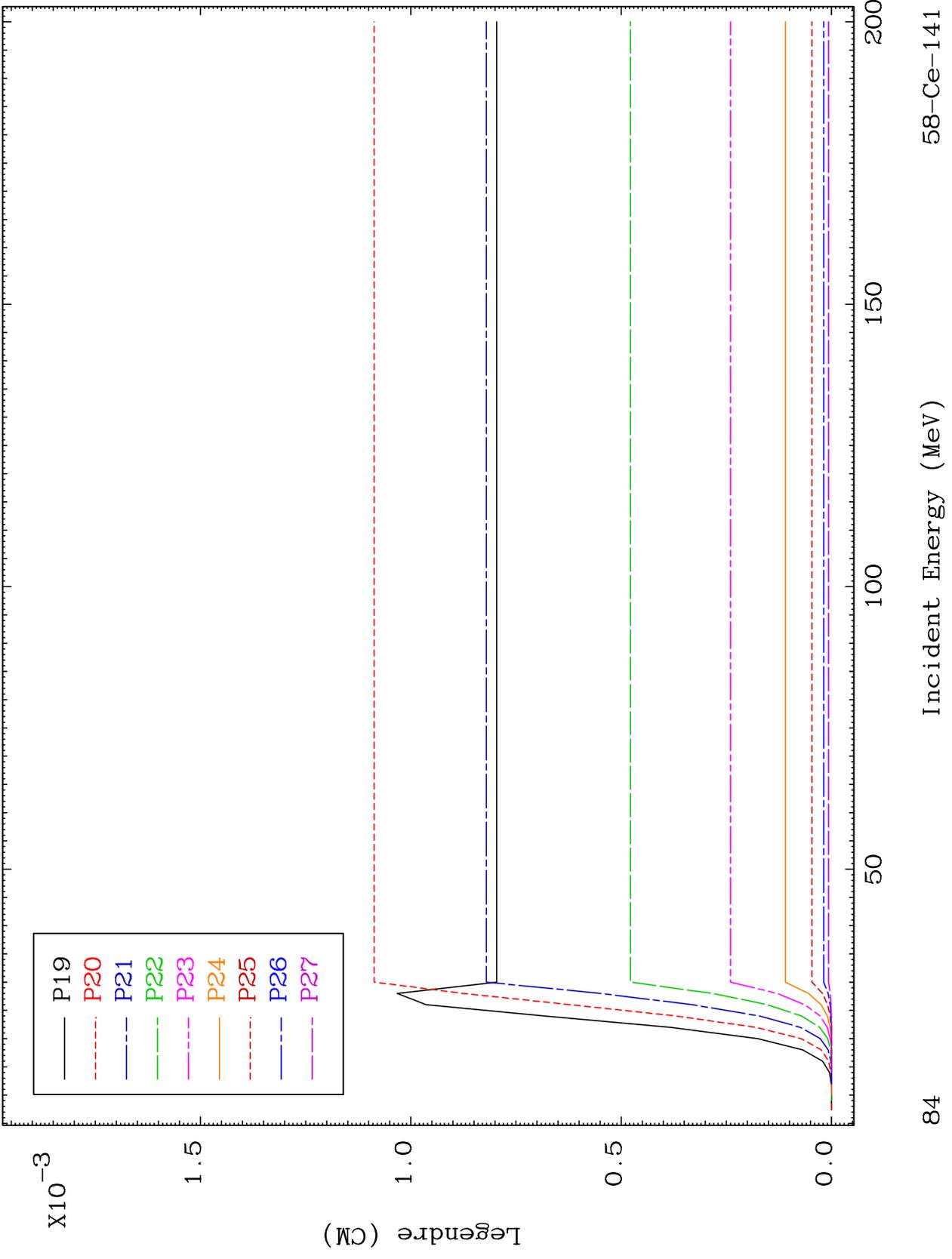
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

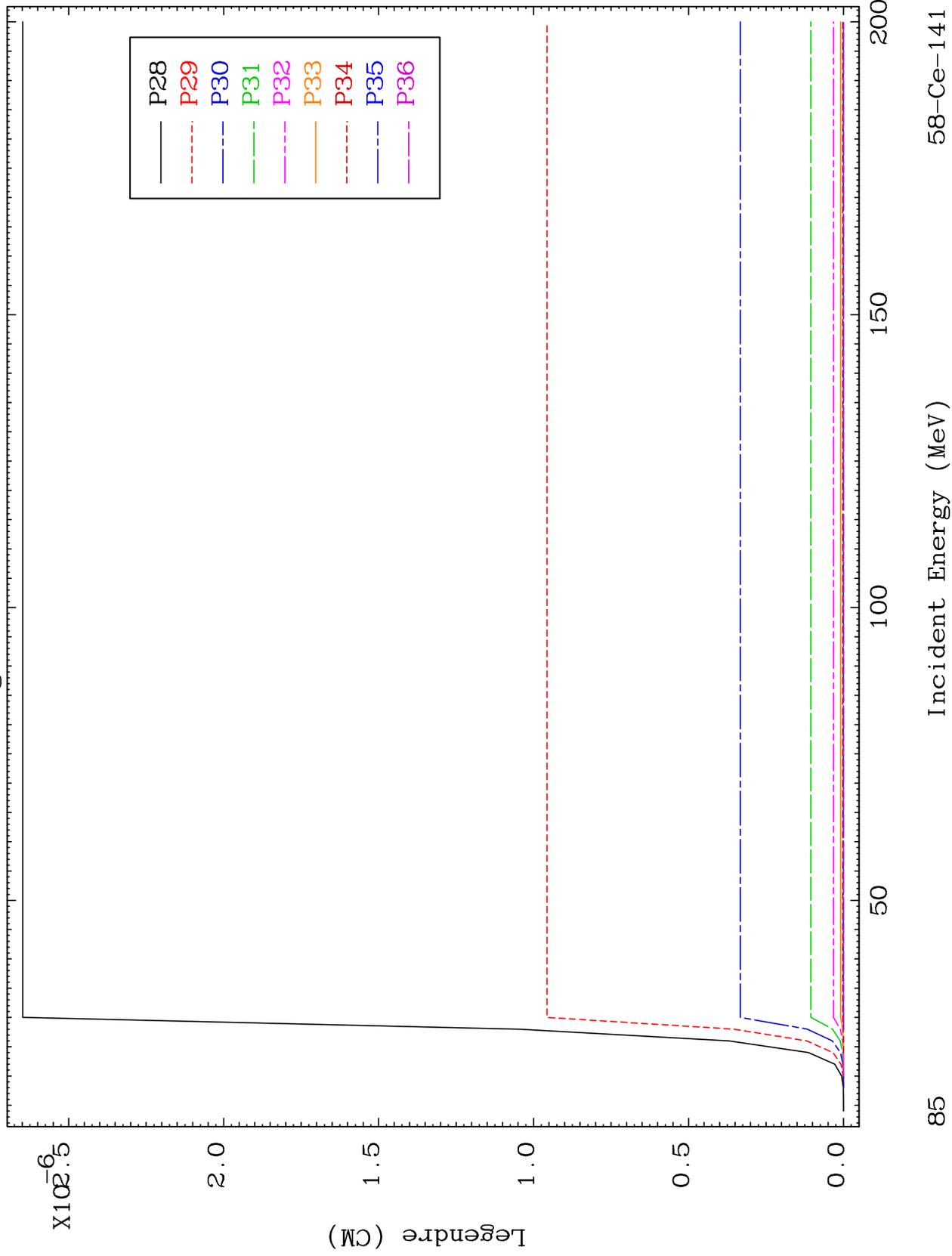
58-Ce-141



MAT 5840

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

58-Ce-141



85

Incident Energy (MeV)

58-Ce-141

200

150

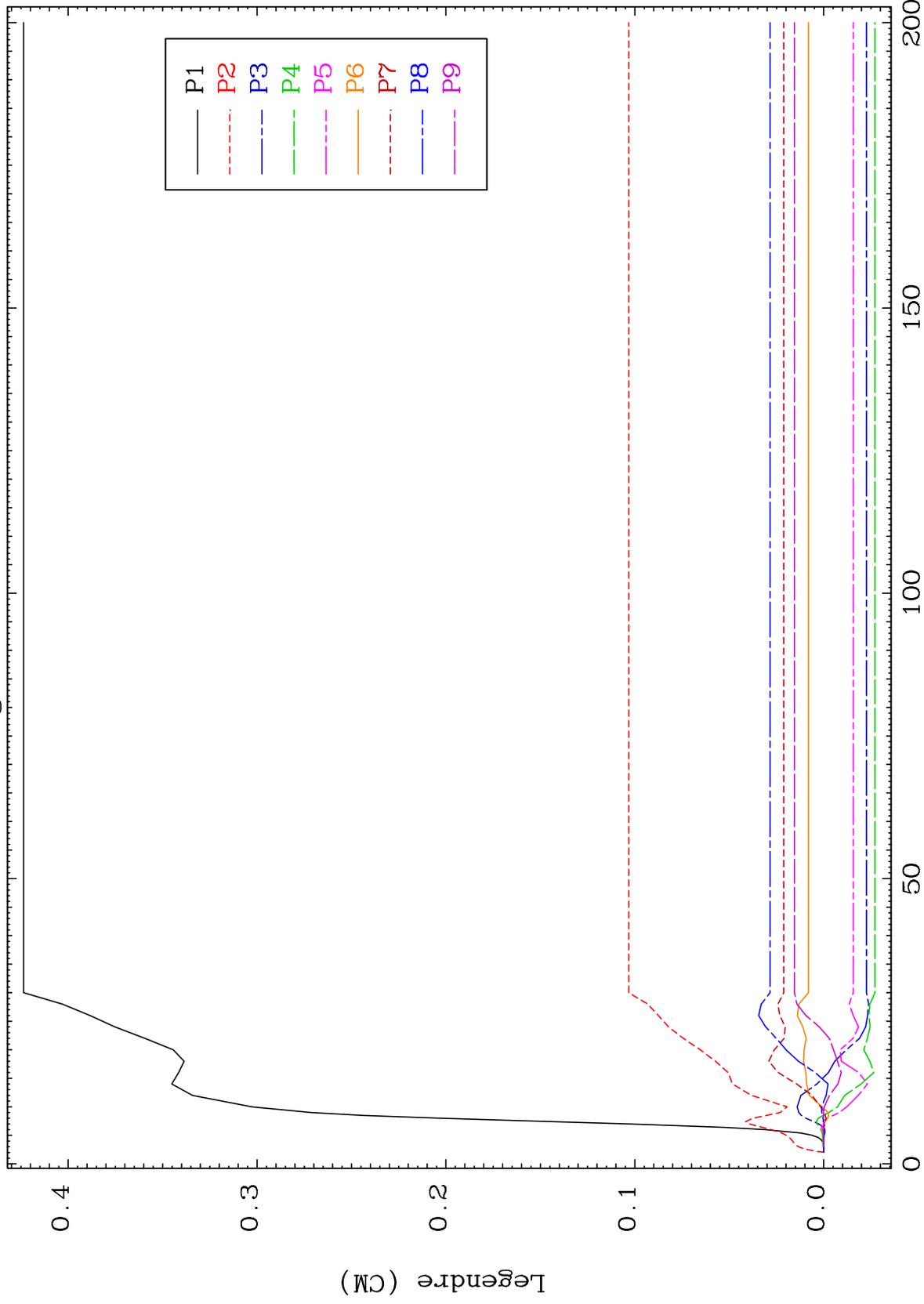
100

50

MAT 5840

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

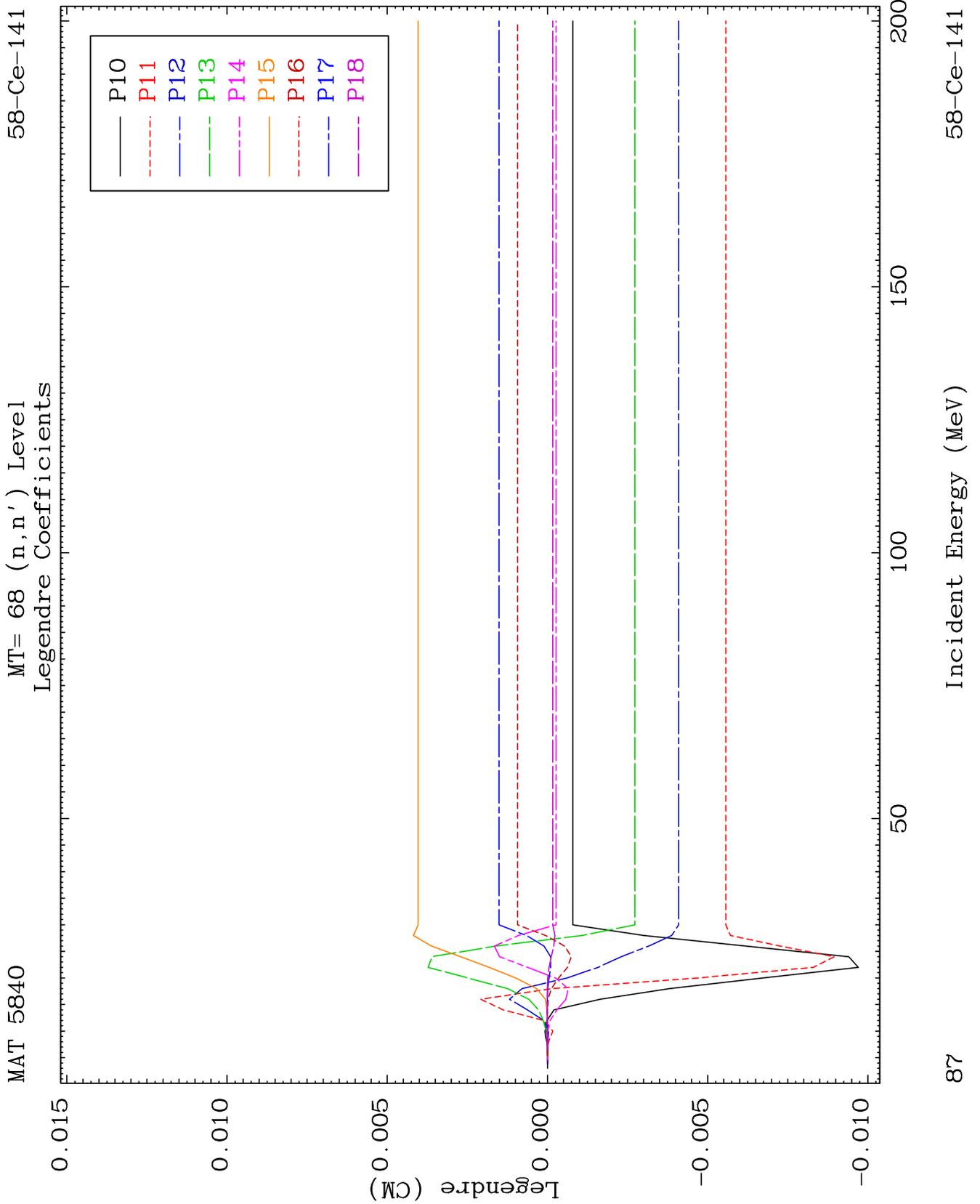
58-Ce-141

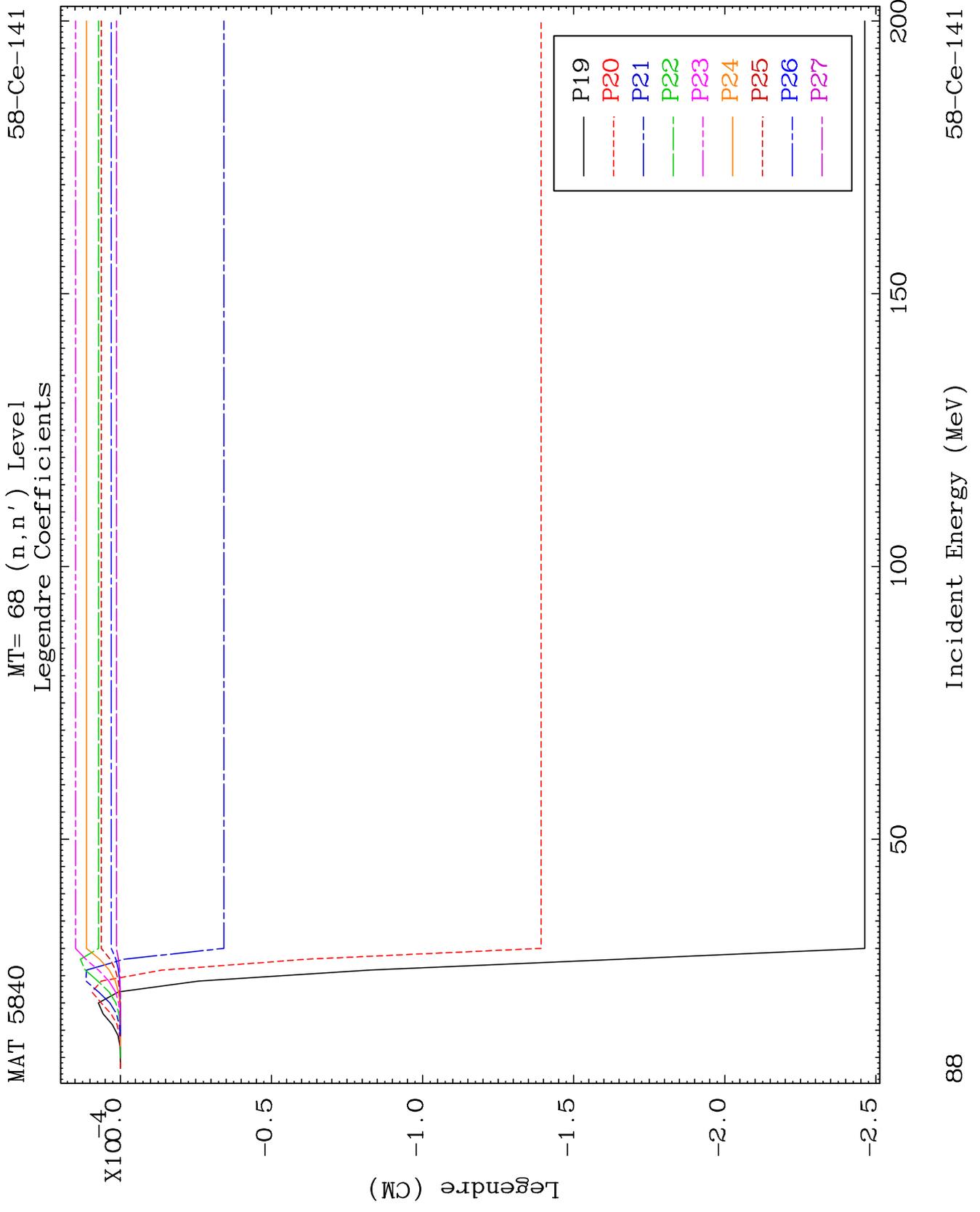


86

Incident Energy (MeV)

58-Ce-141

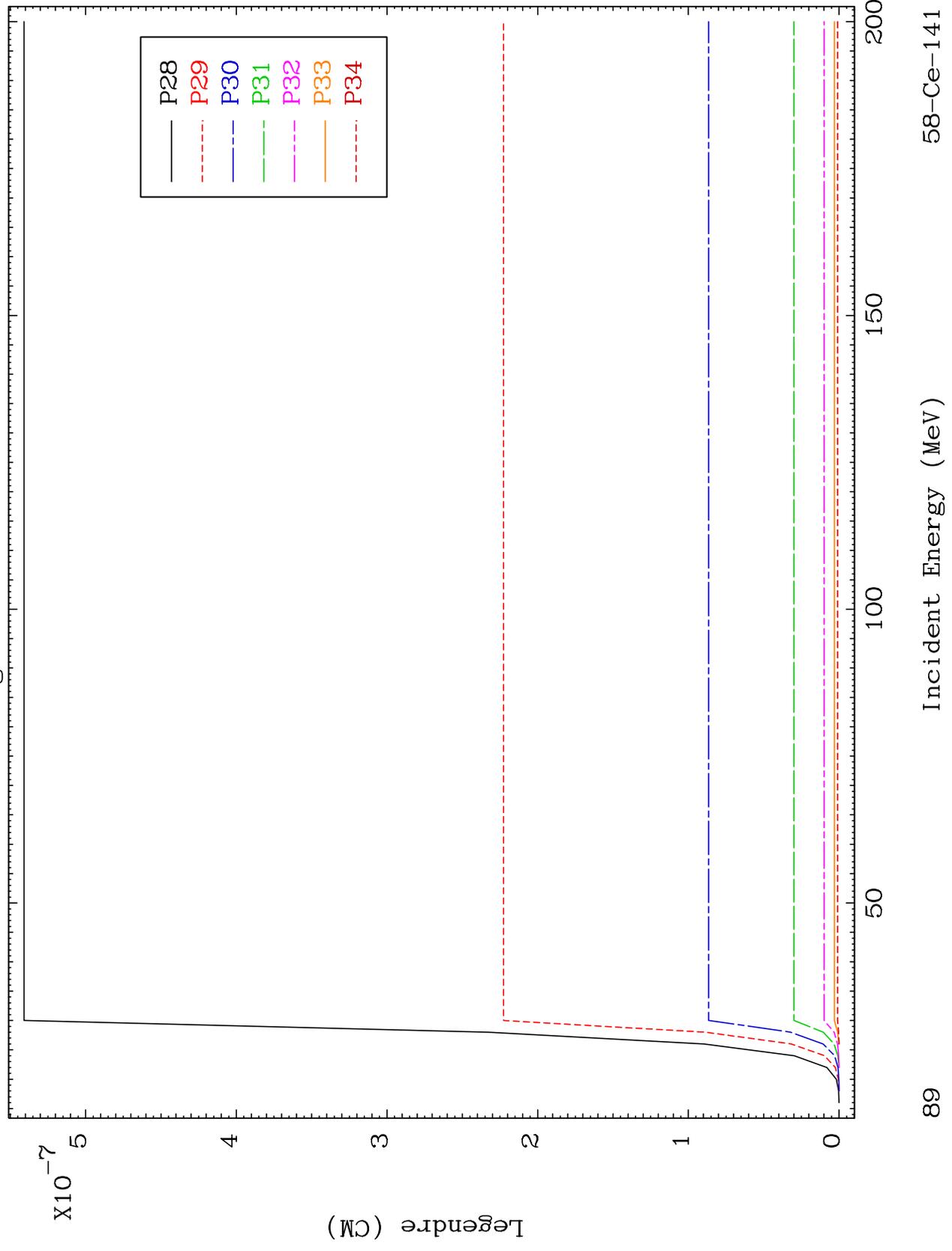




MAT 5840

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

58-Ce-141



89

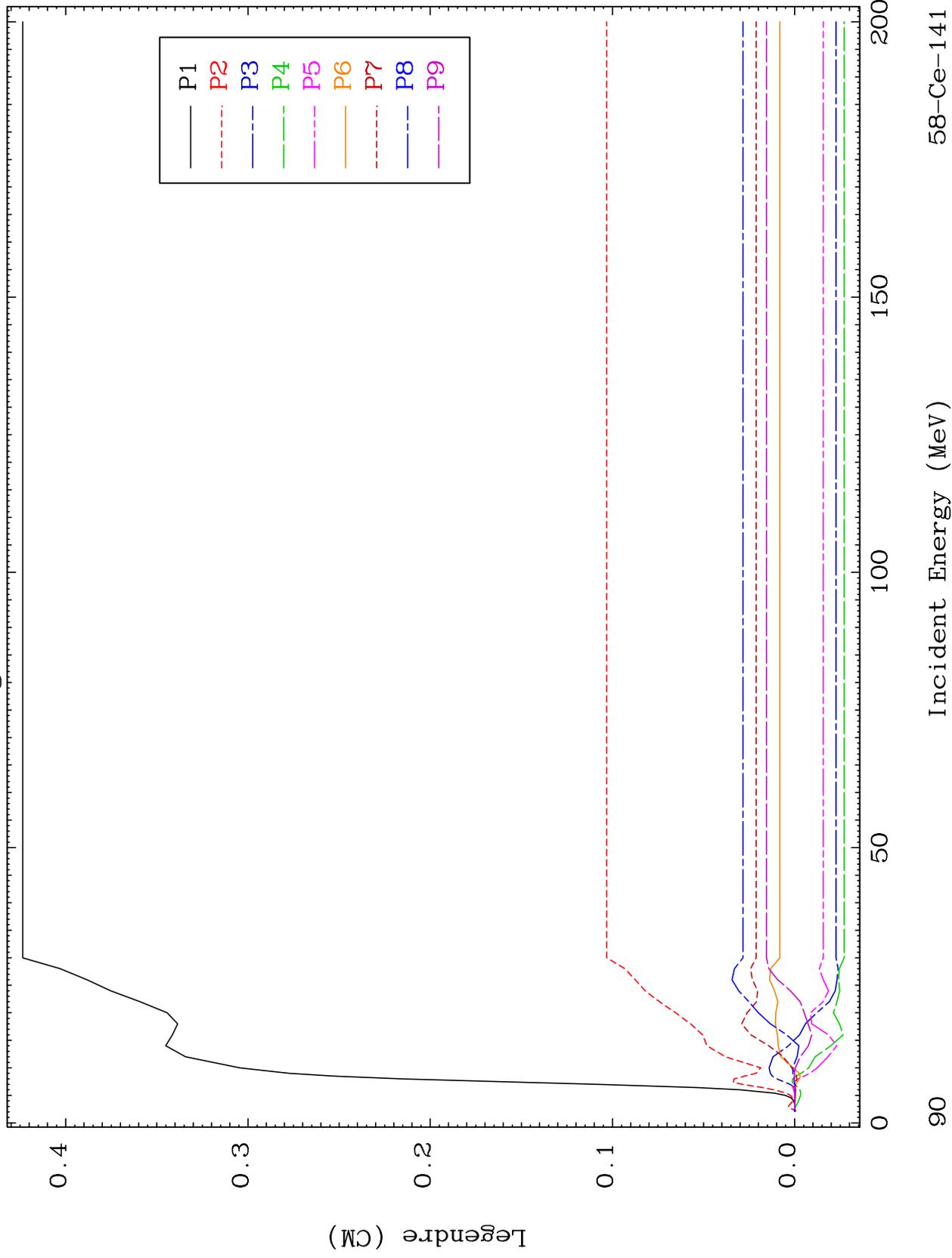
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

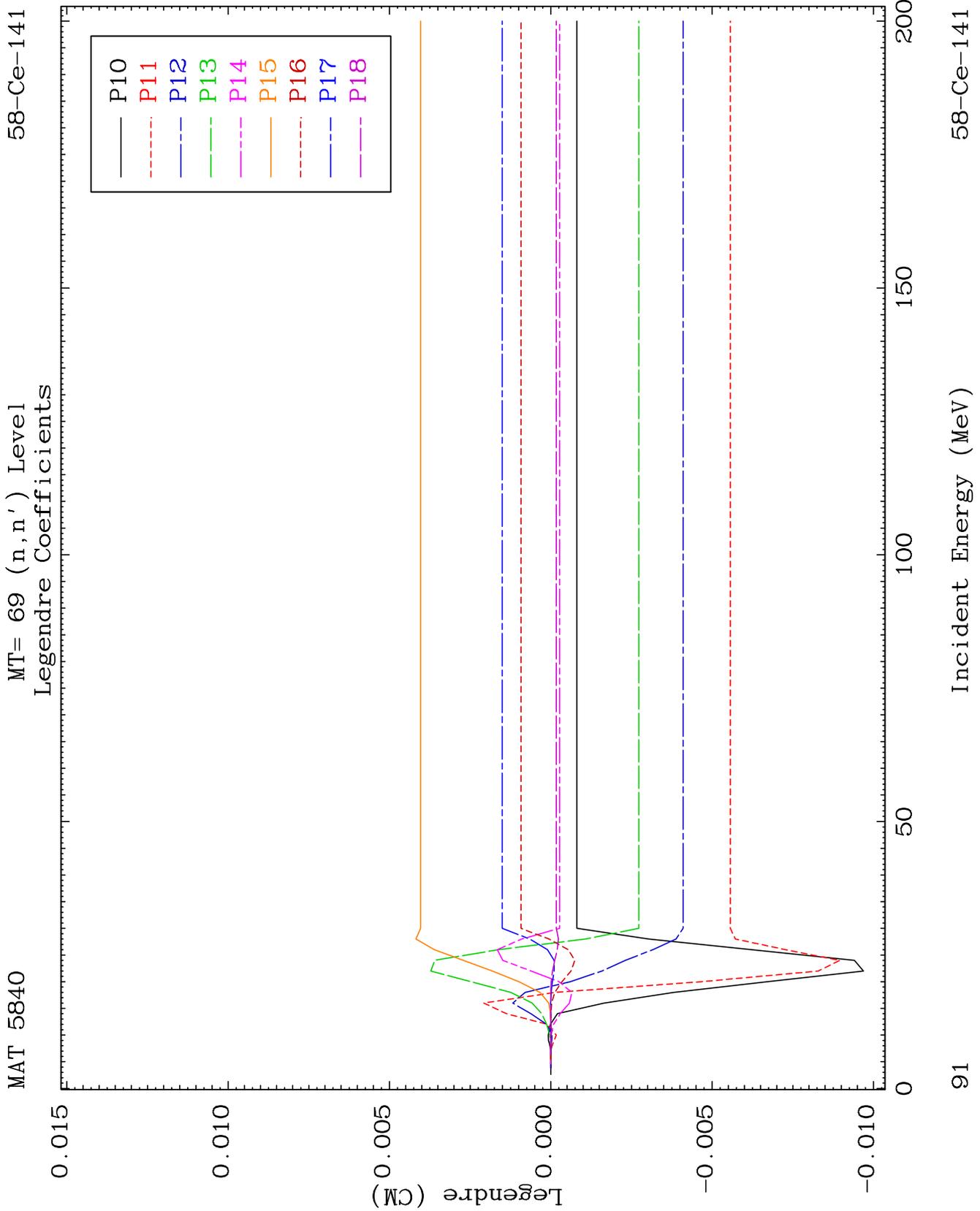
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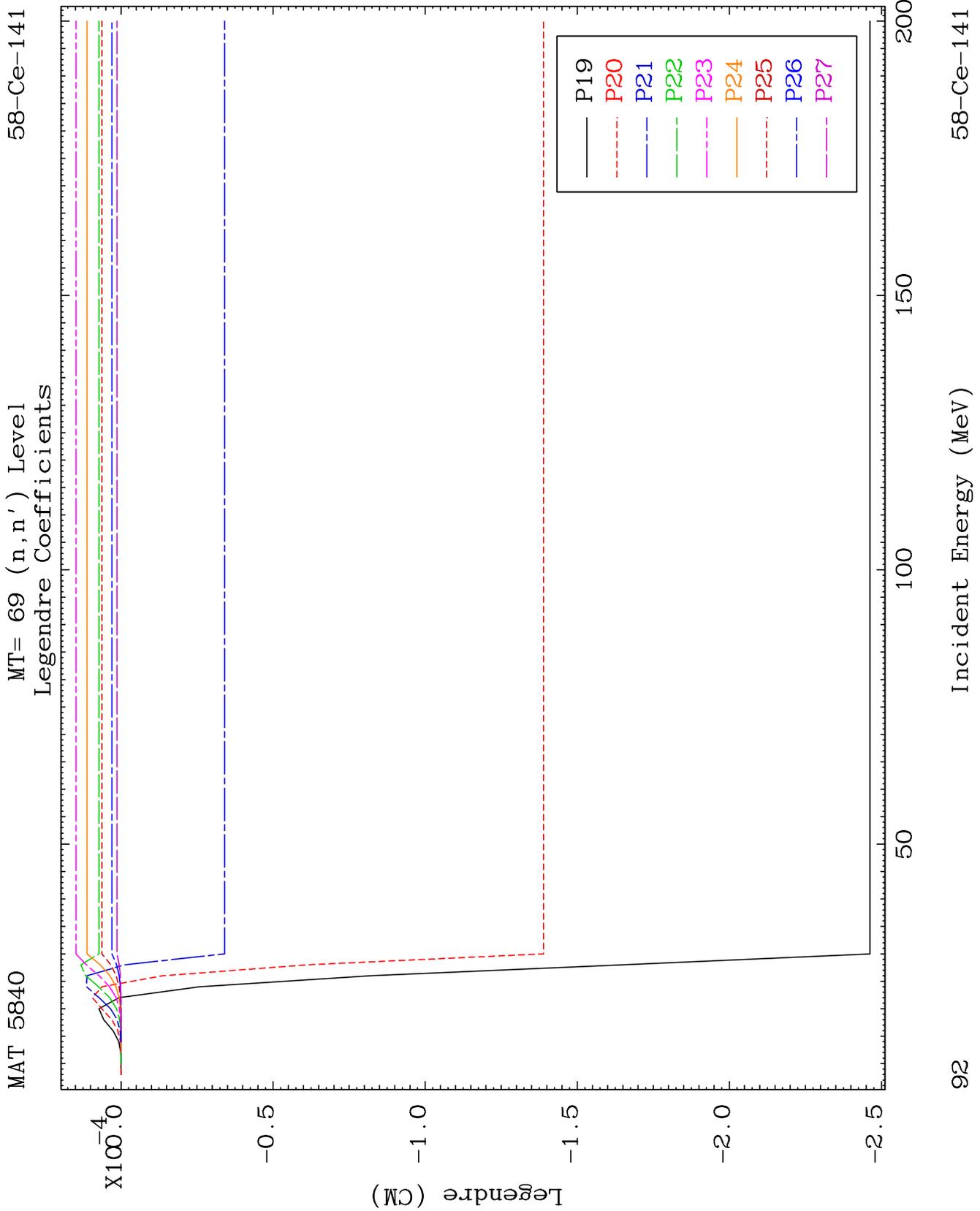


58-Ce-141

Incident Energy (MeV)

90

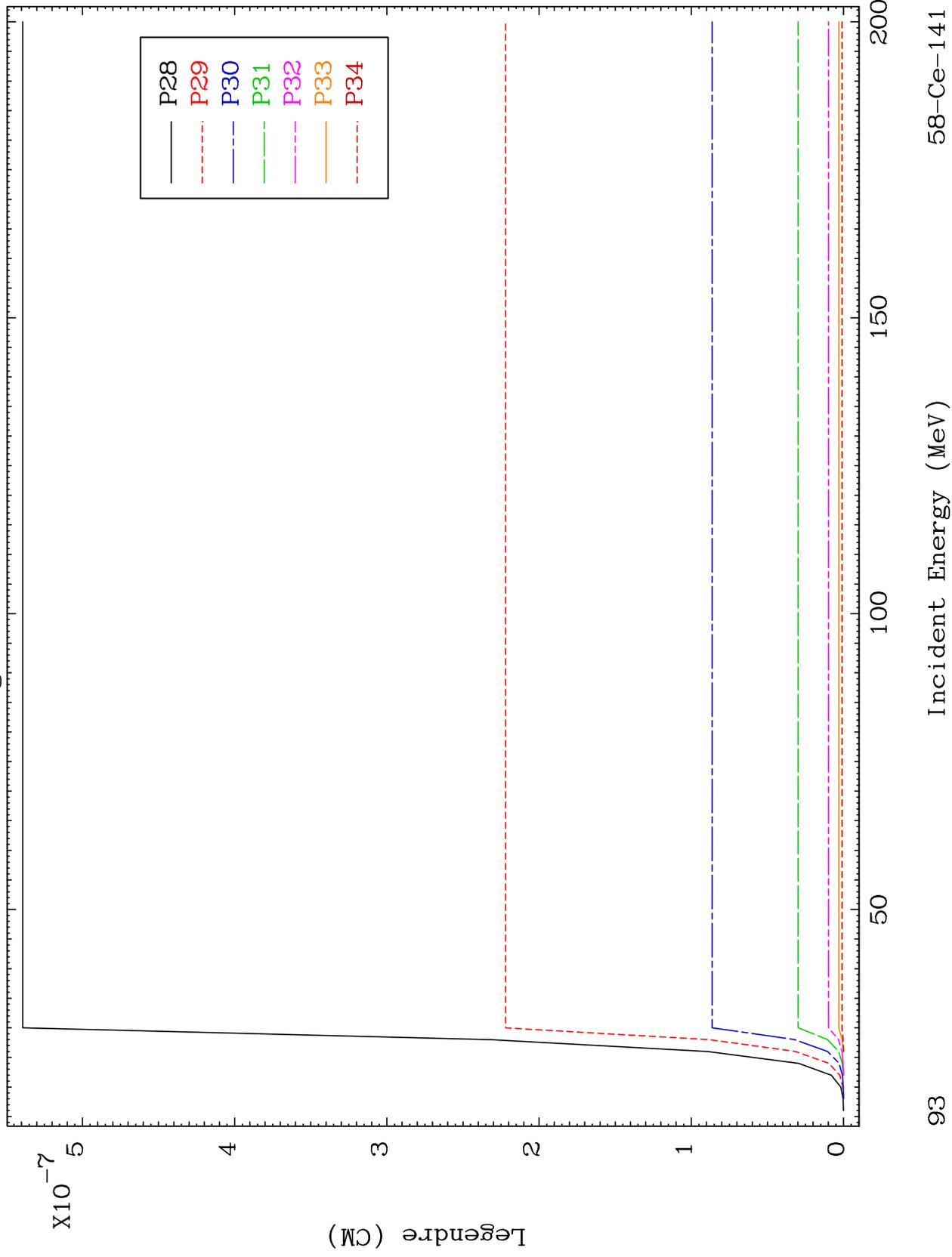




MAT 5840

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

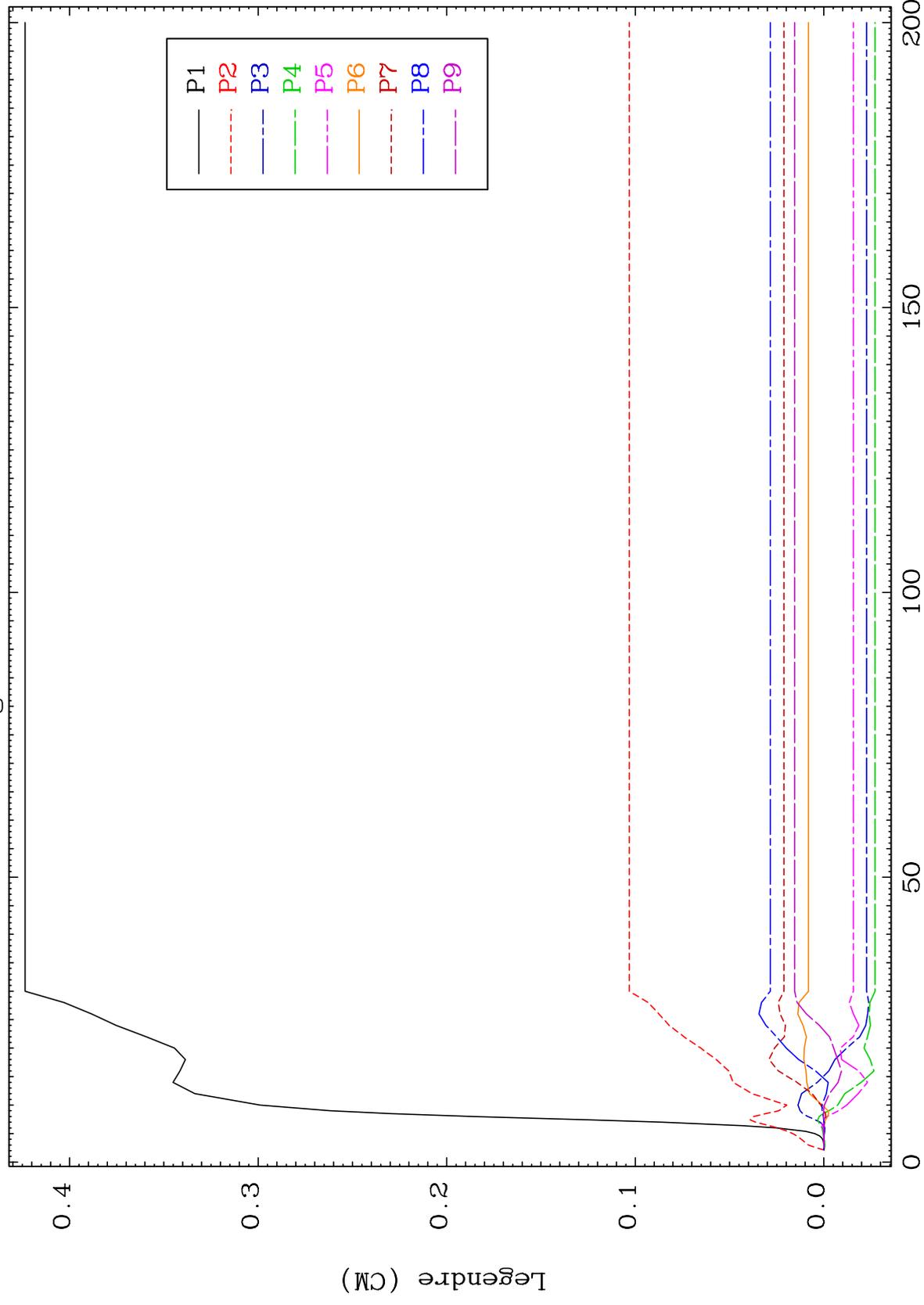
58-Ce-141



MAT 5840

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

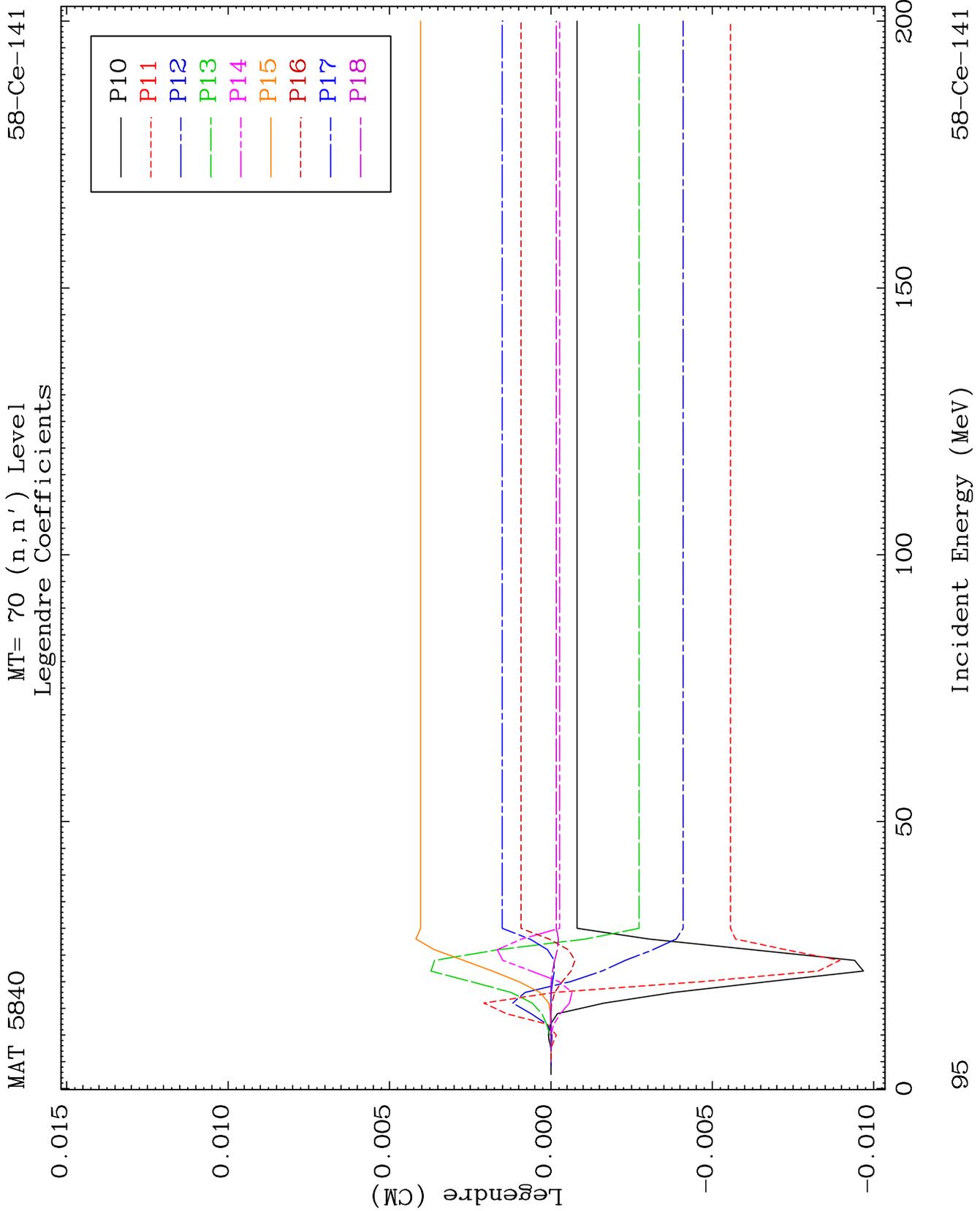
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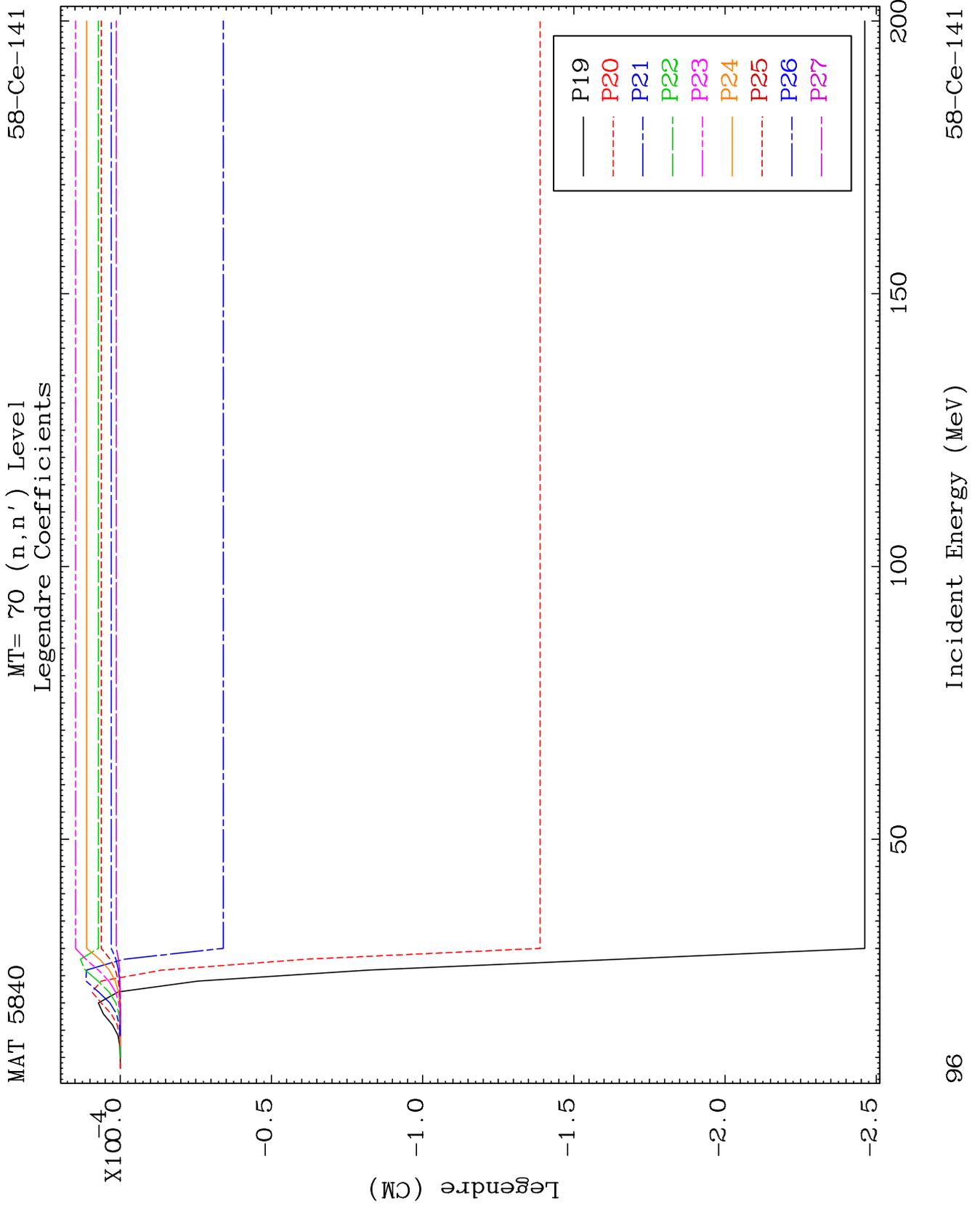


94

Incident Energy (MeV)

58-Ce-141

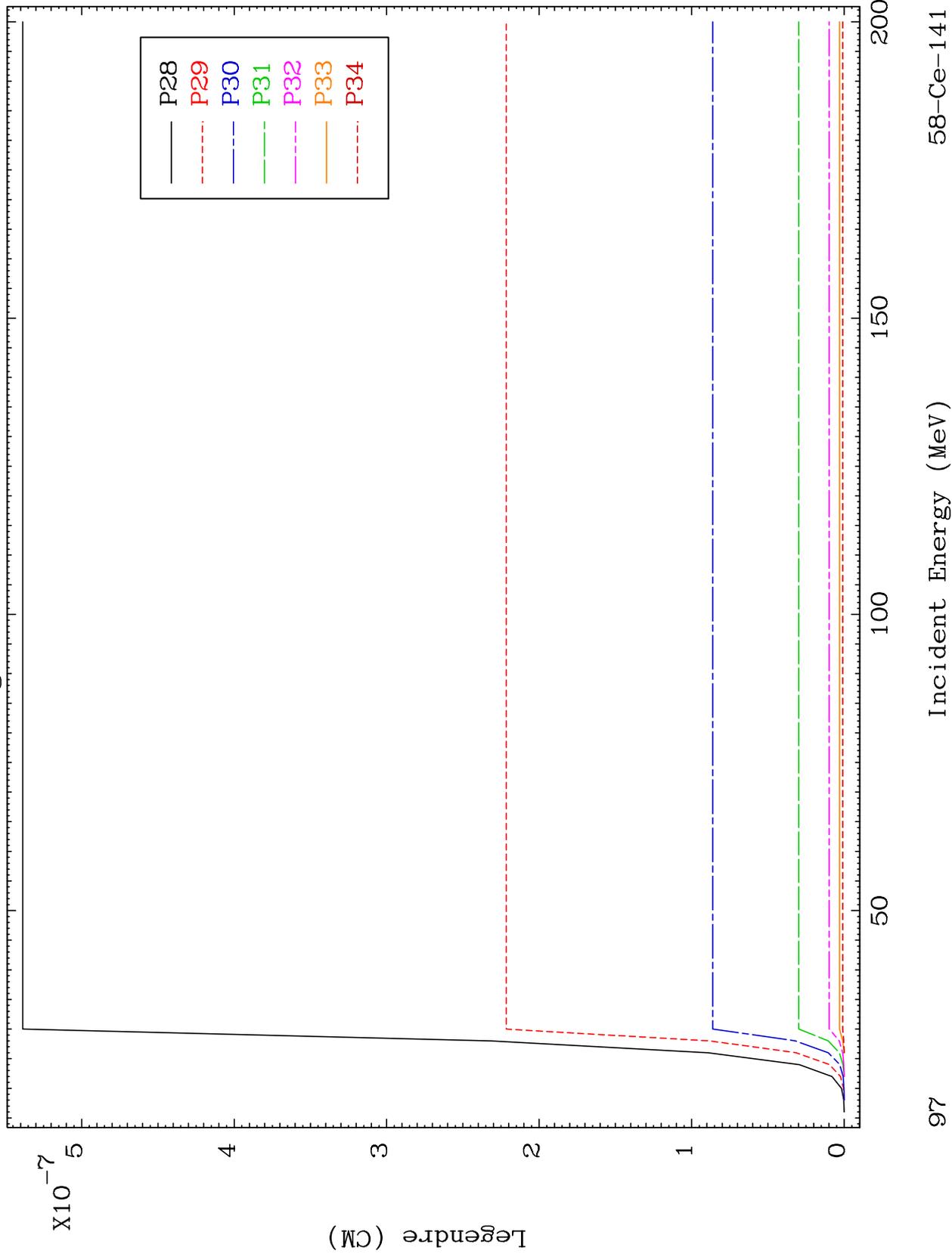




MAT 5840

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

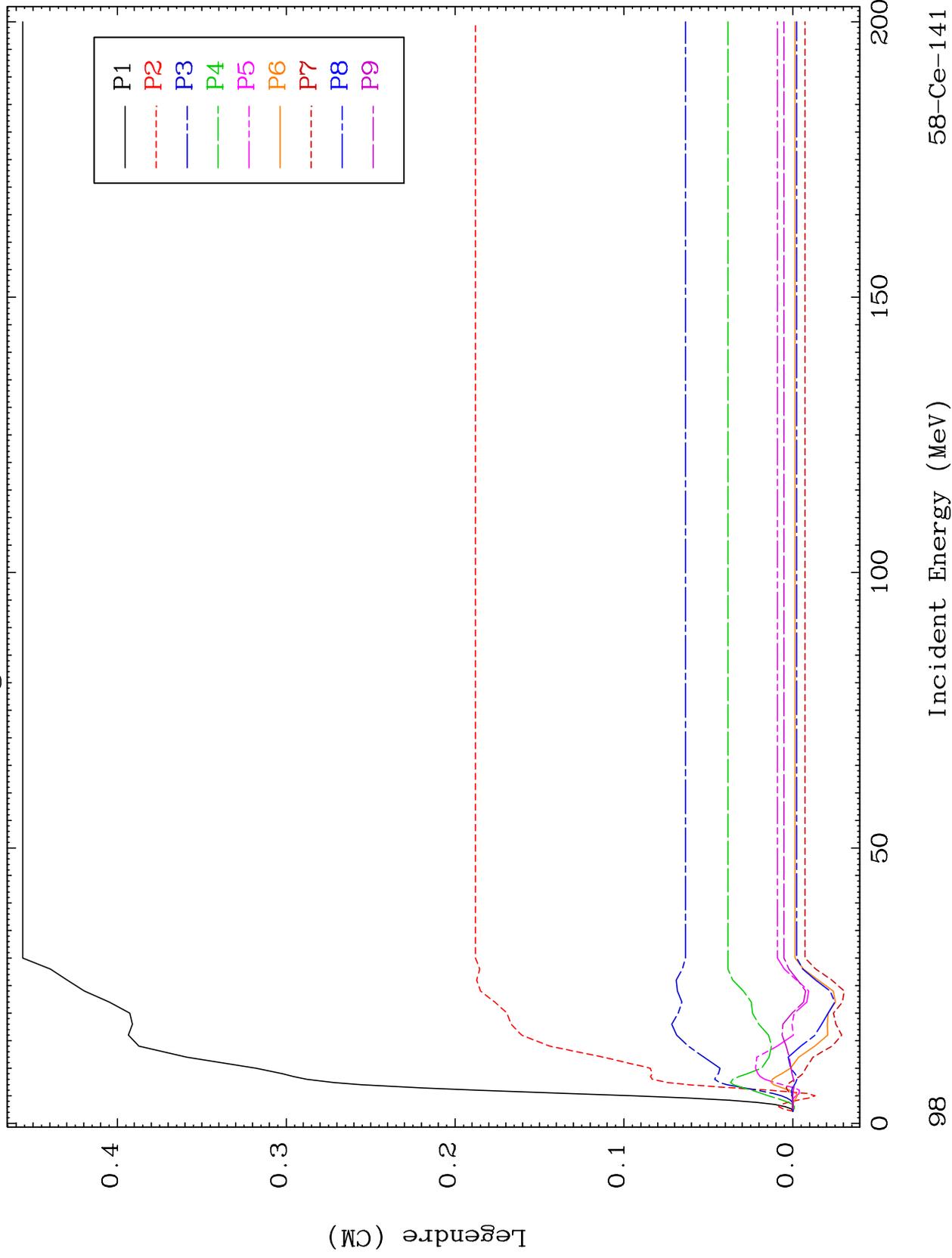
58-Ce-141



MAT 5840

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

58-Ce-141



58-Ce-141

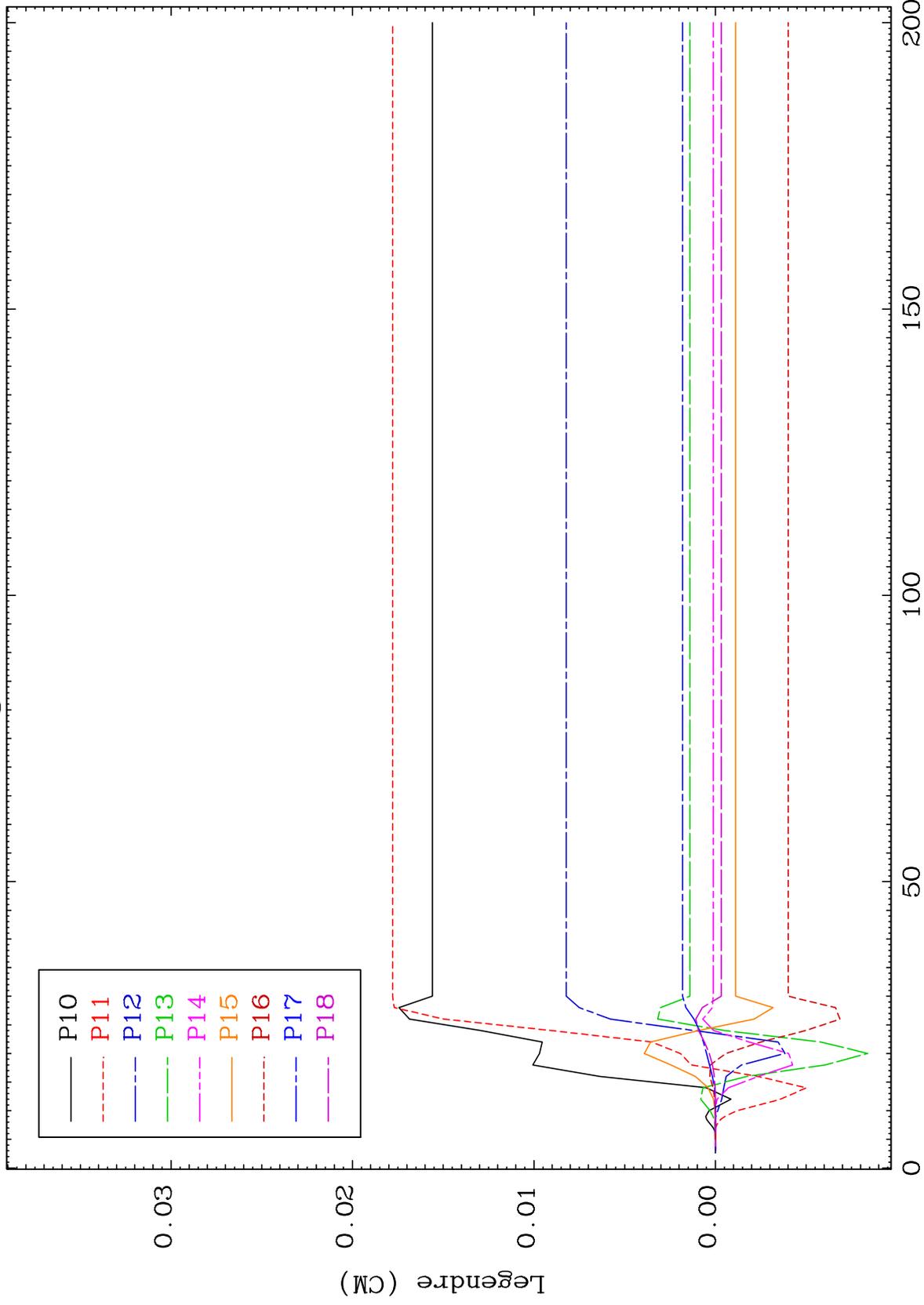
Incident Energy (MeV)

98

MAT 5840

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

58-Ce-141



99

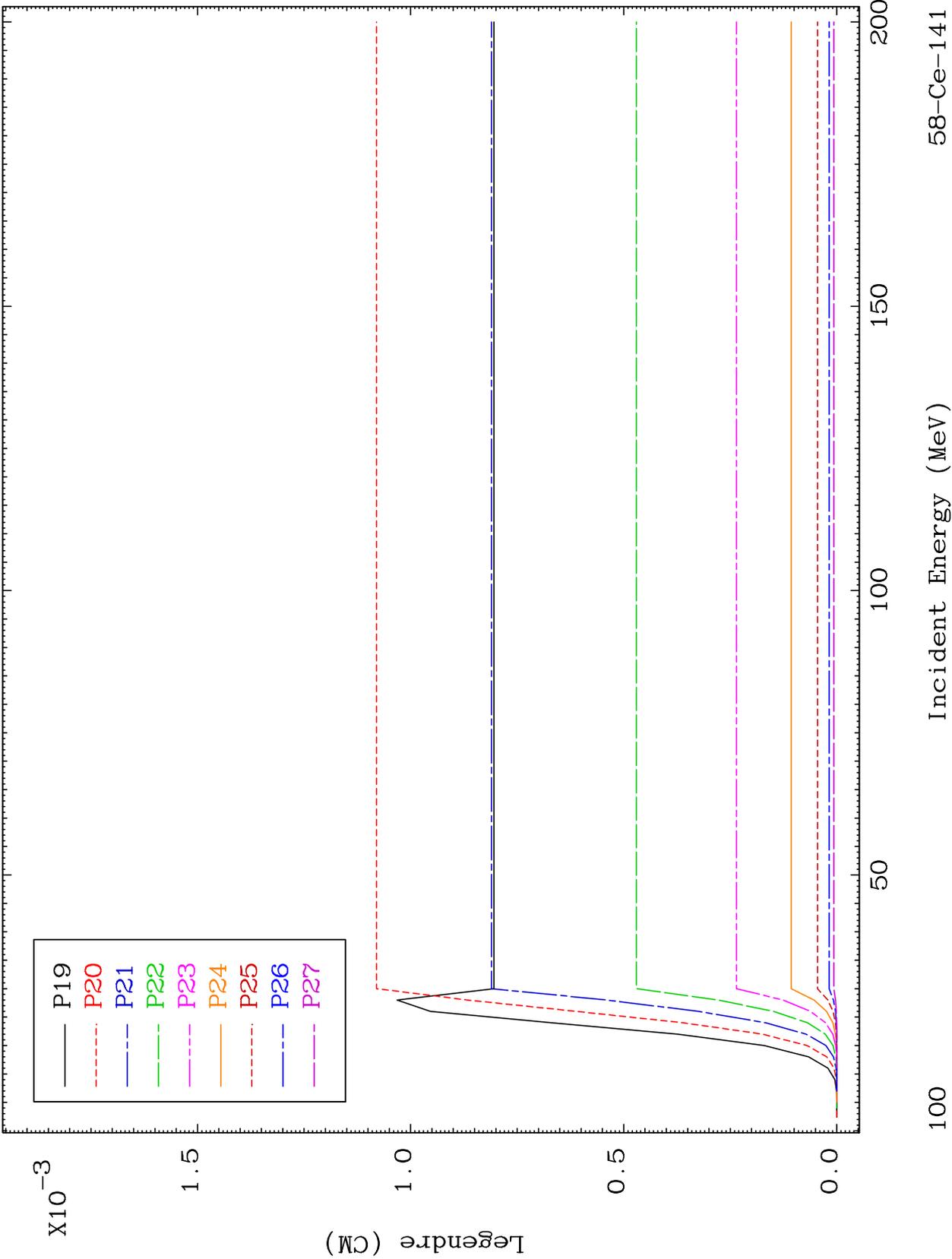
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

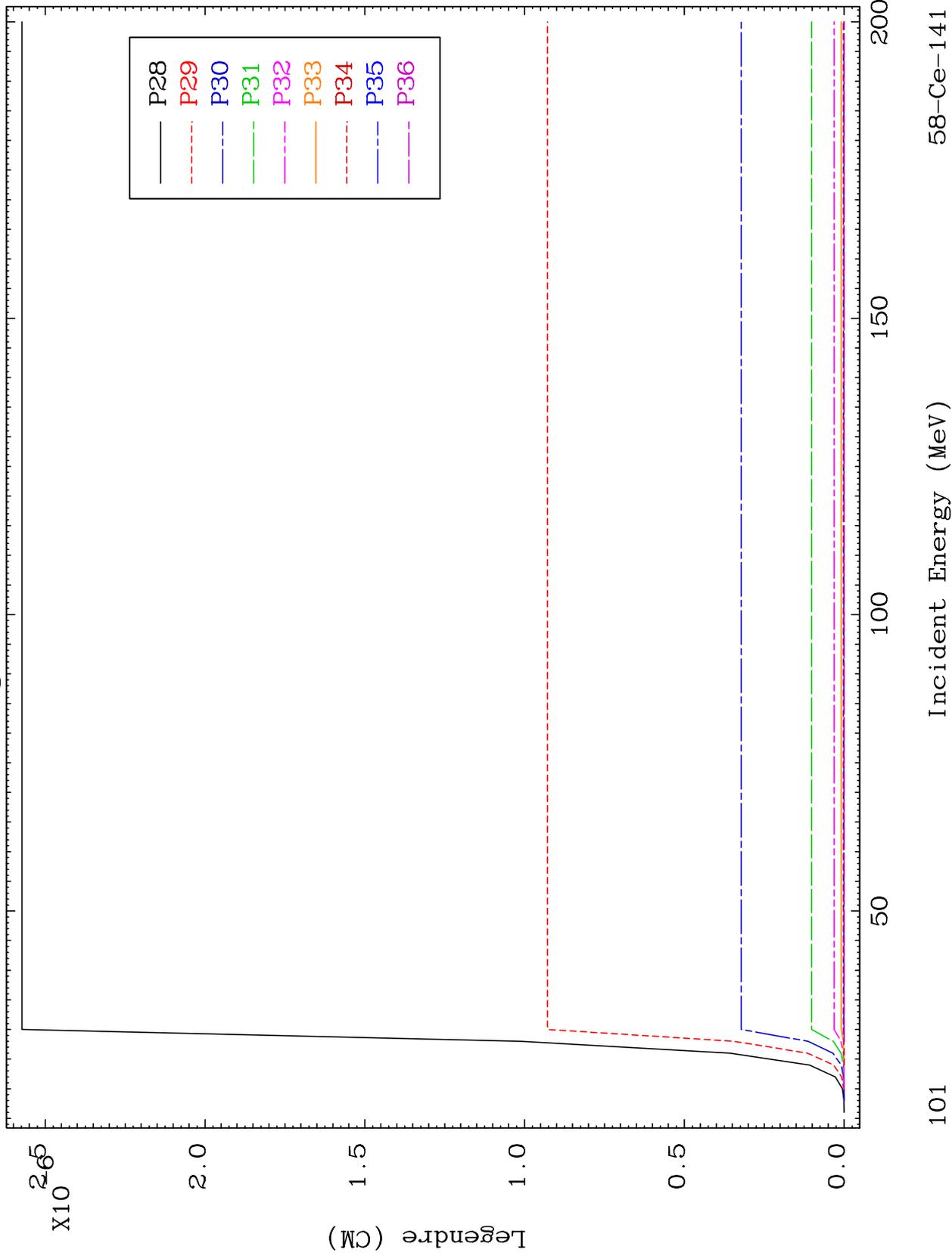
58-Ce-141



MAT 5840

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

58-Ce-141



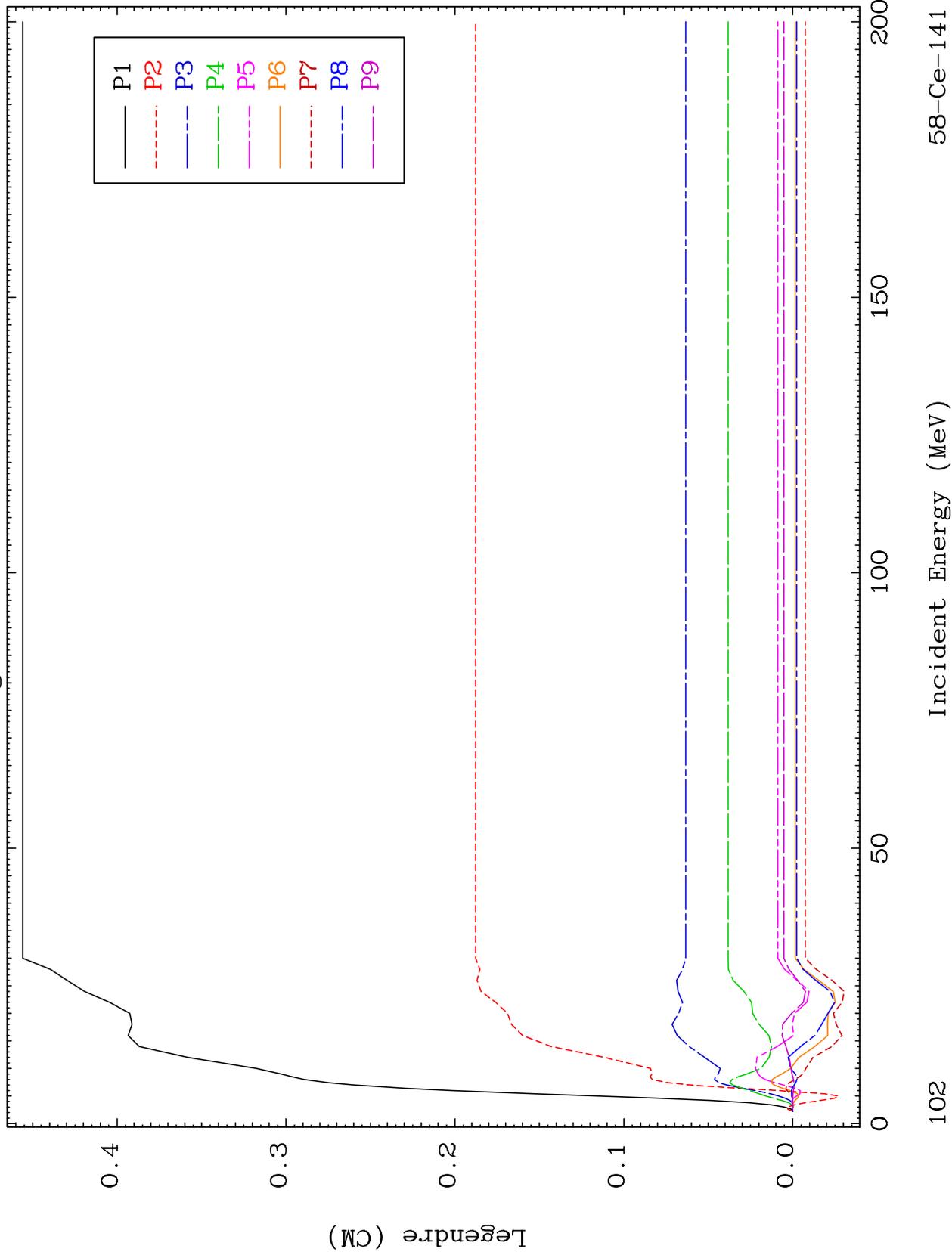
101

58-Ce-141

MAT 5840

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

58-Ce-141



58-Ce-141

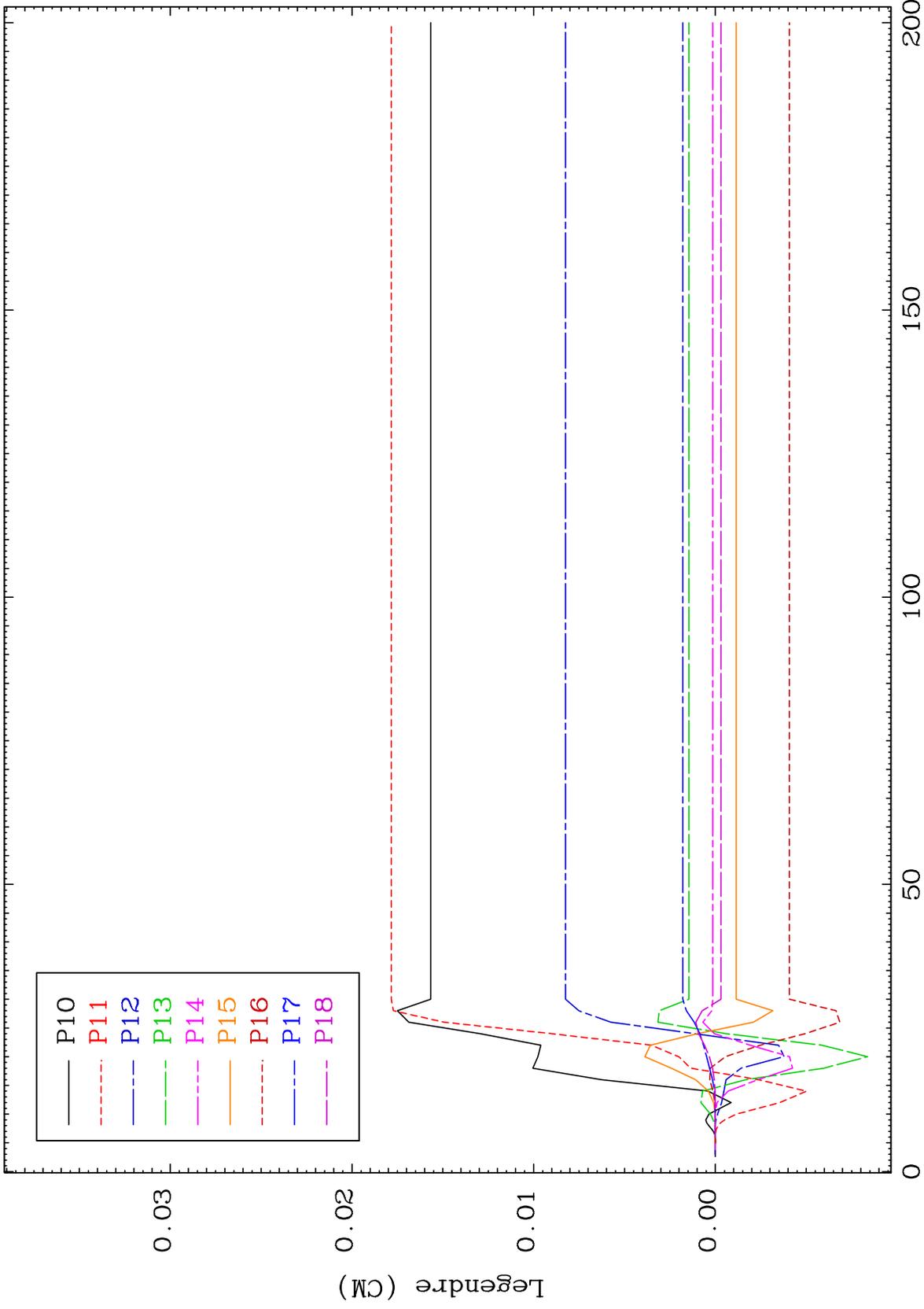
Incident Energy (MeV)

102

MAT 5840

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

58-Ce-141



103

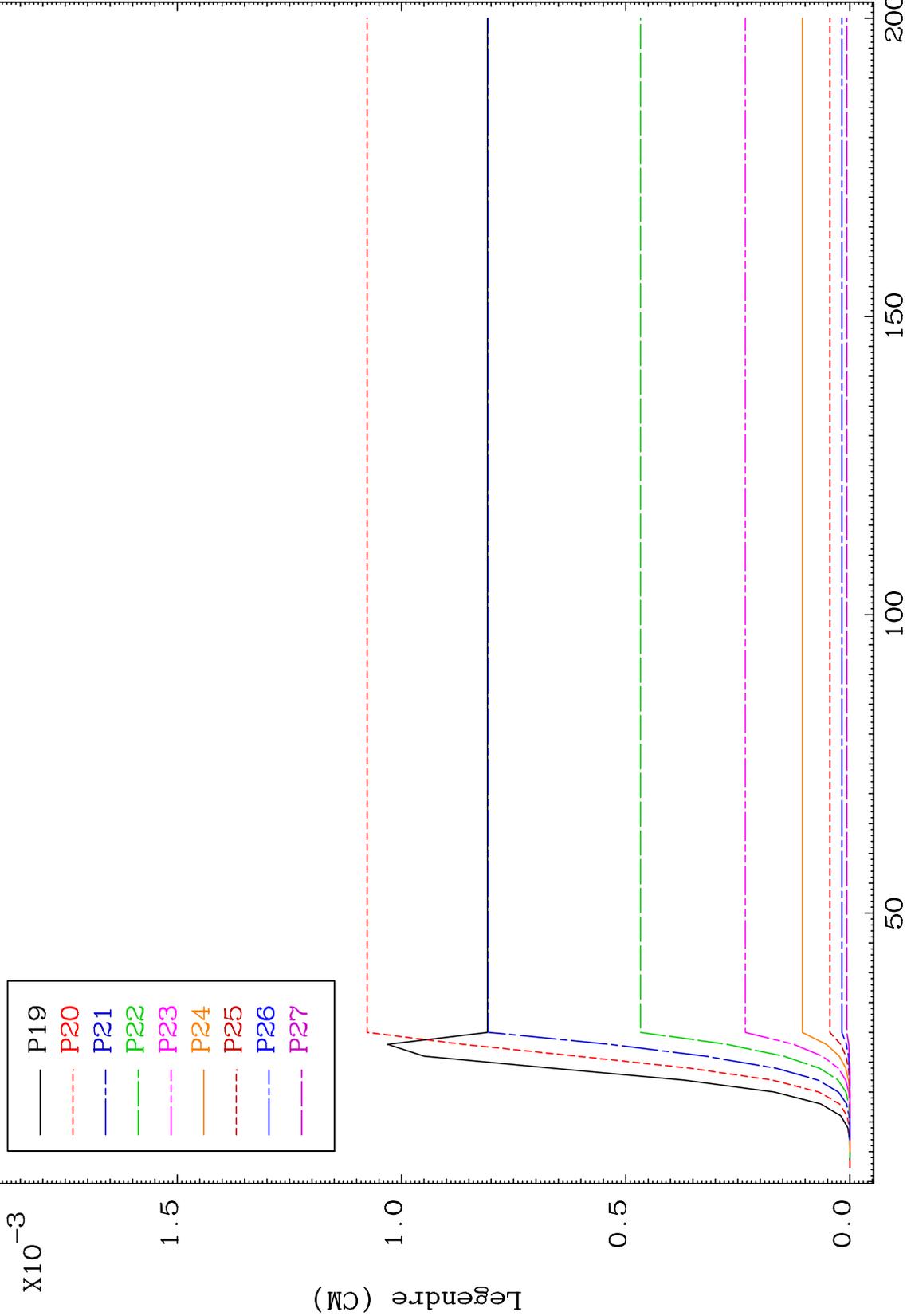
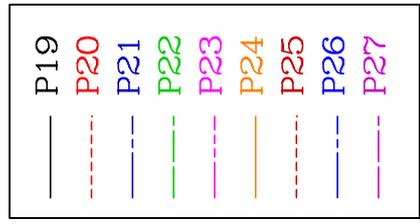
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

58-Ce-141



104

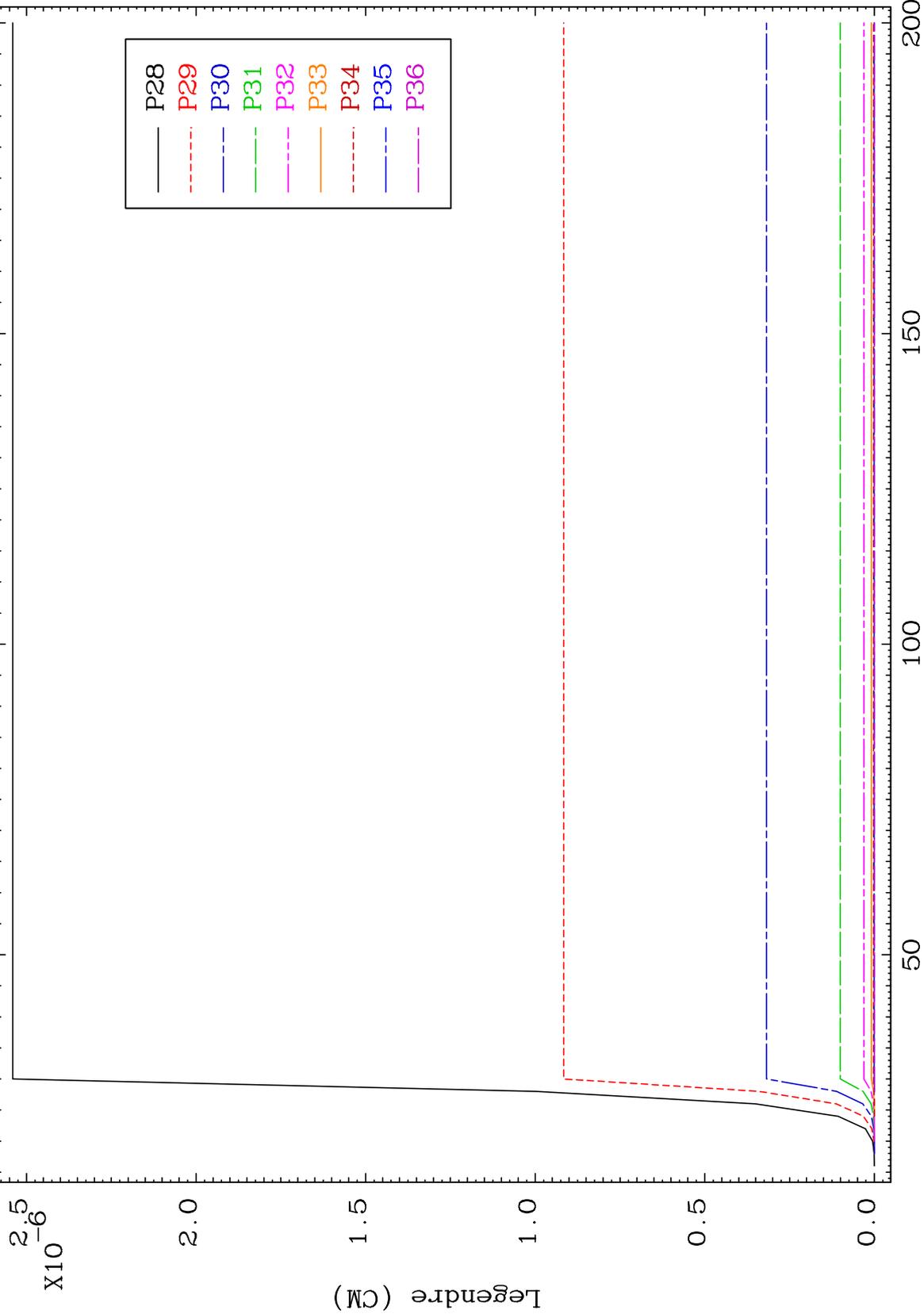
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

58-Ce-141



105

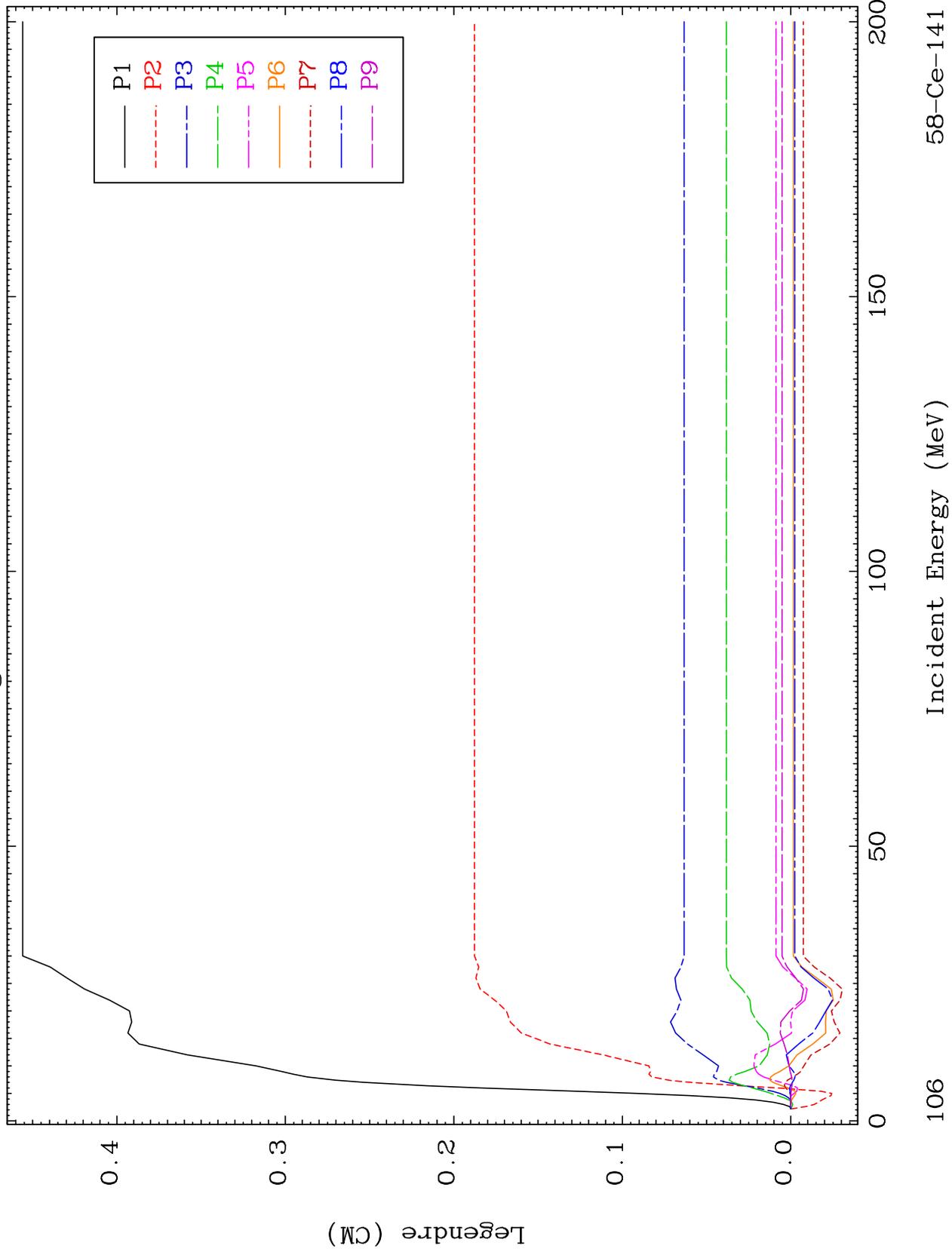
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

58-Ce-141



58-Ce-141

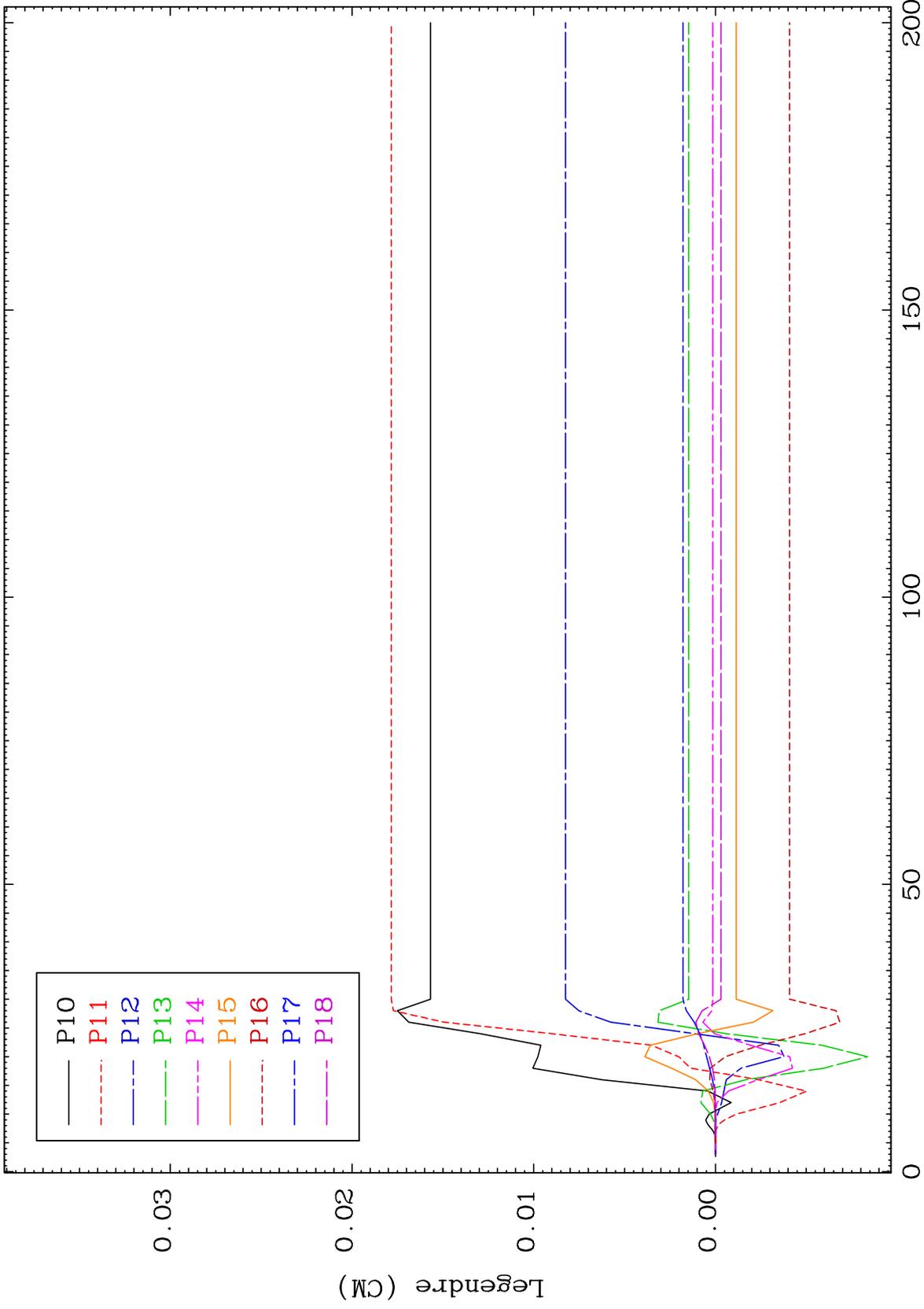
Incident Energy (MeV)

106

MAT 5840

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

58-Ce-141



107

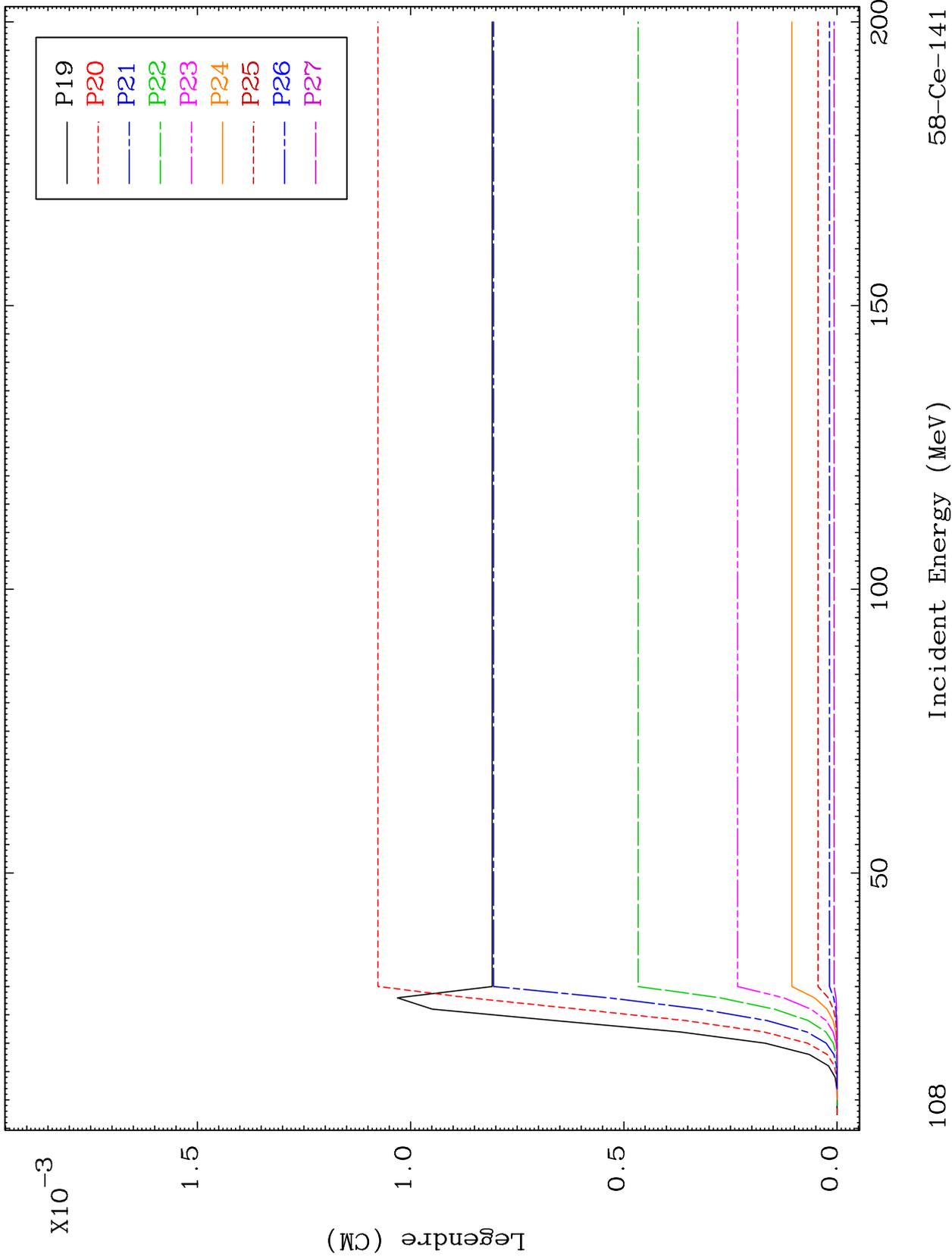
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

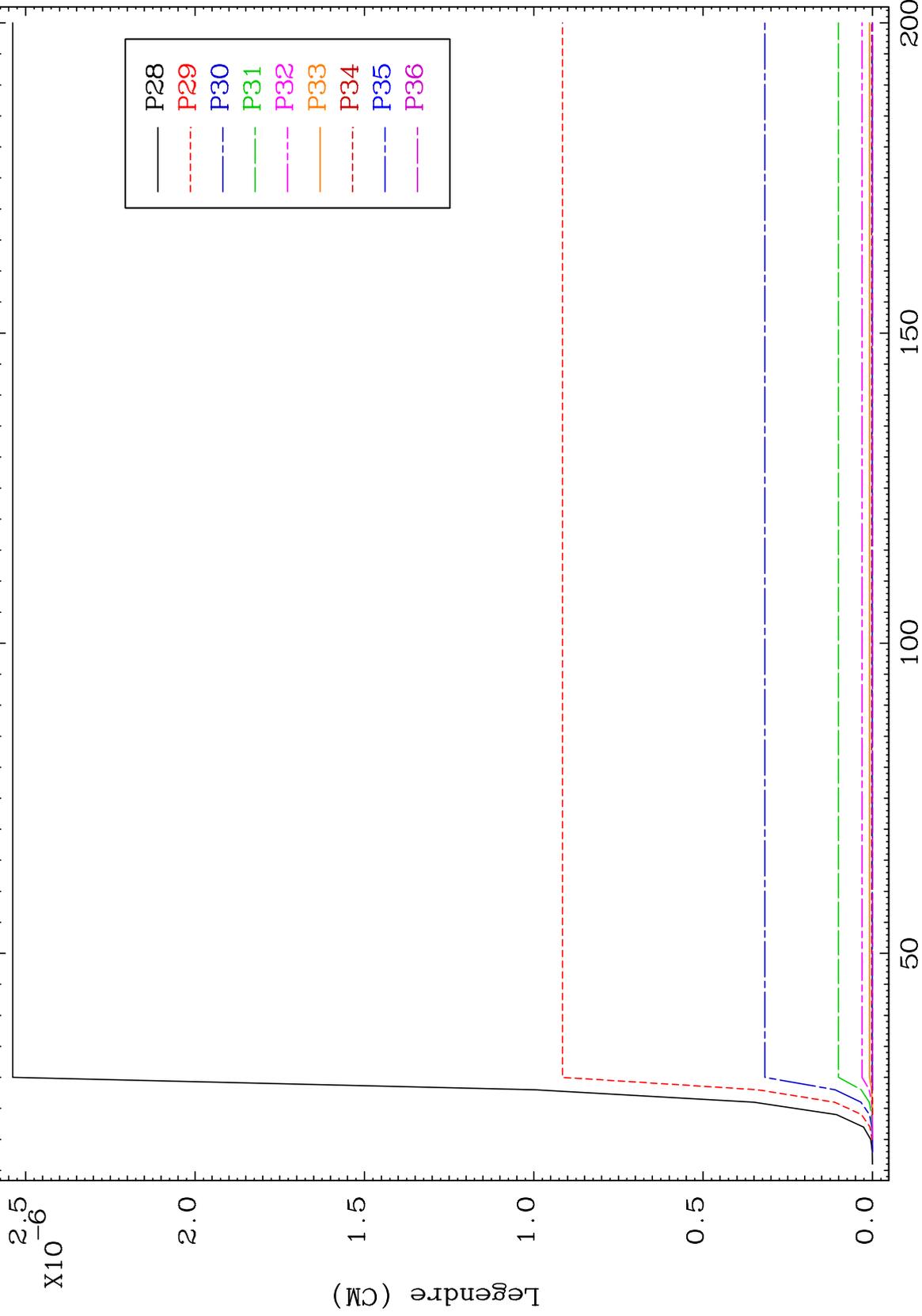
58-Ce-141



MAT 5840

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

58-Ce-141



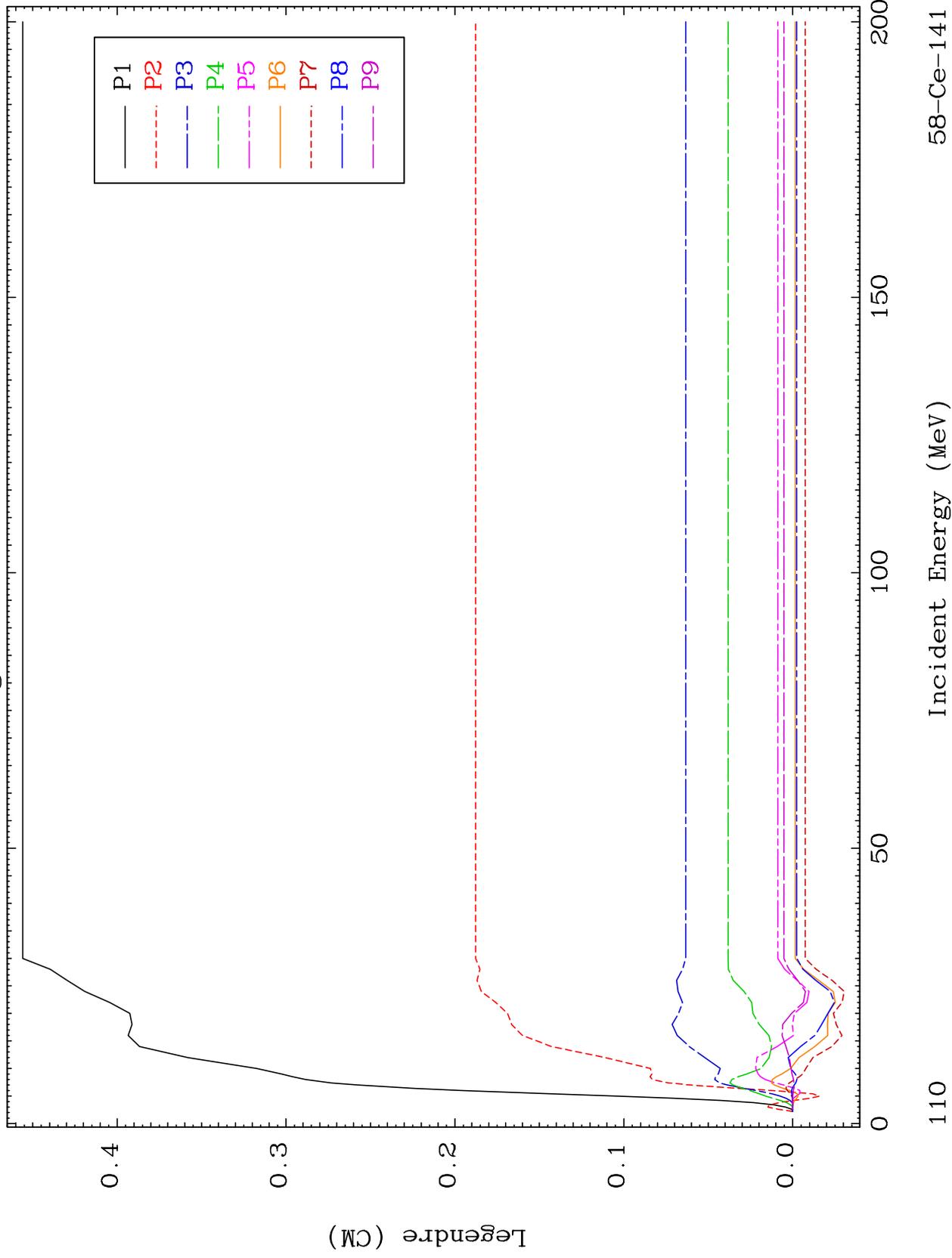
109

58-Ce-141

MAT 5840

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

58-Ce-141



58-Ce-141

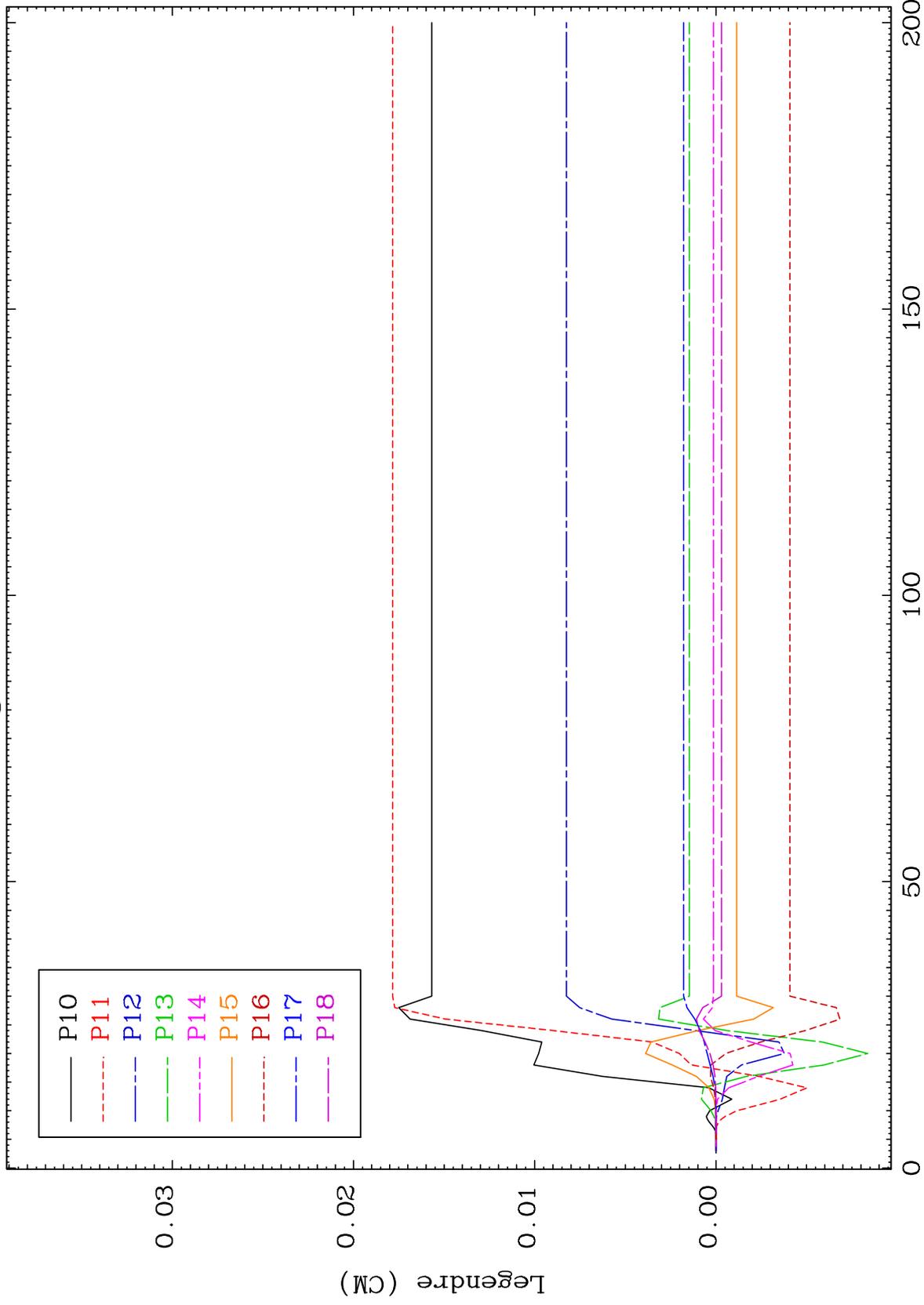
Incident Energy (MeV)

110

MAT 5840

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

58-Ce-141



111

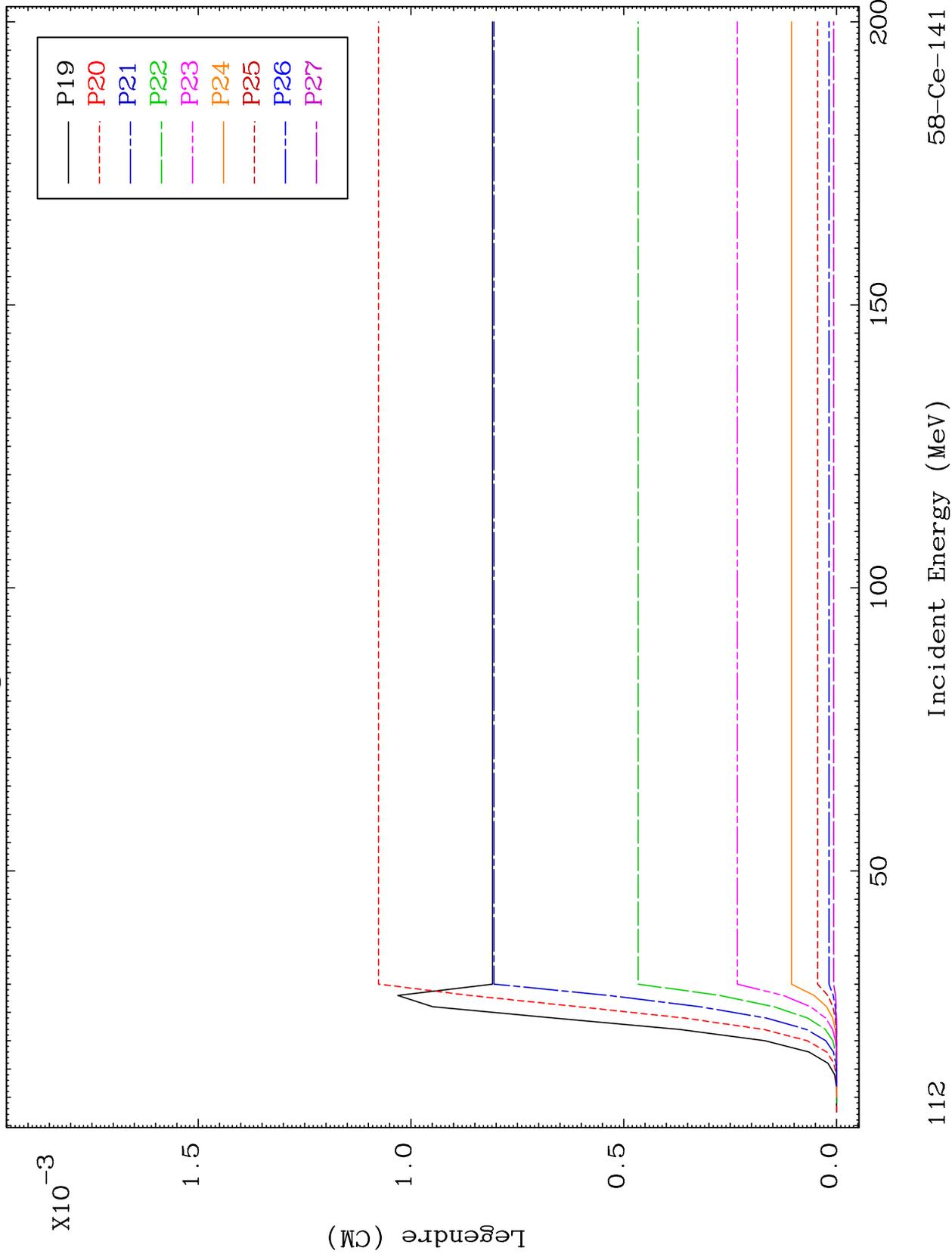
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

58-Ce-141



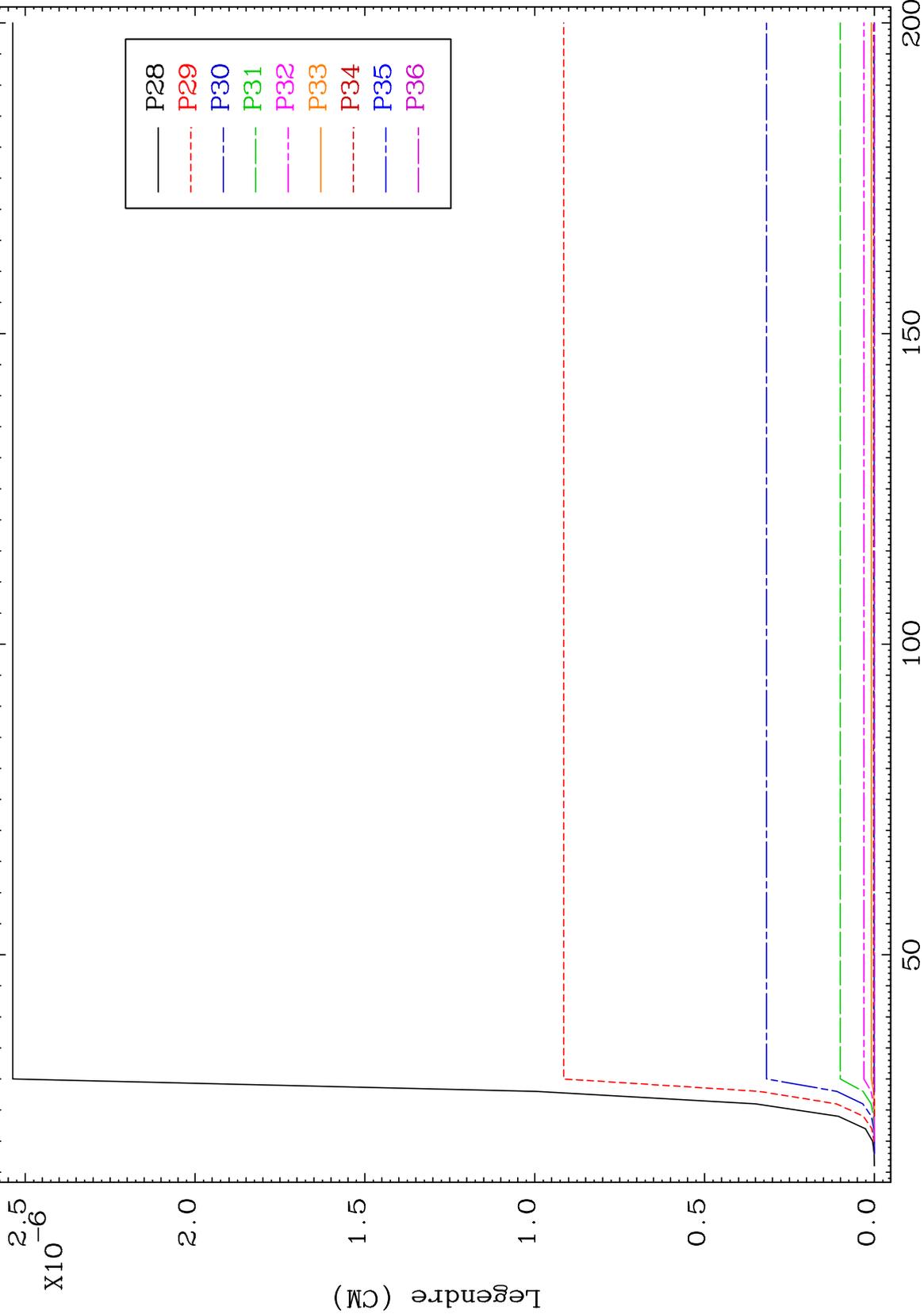
112

58-Ce-141

MAT 5840

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

58-Ce-141



113

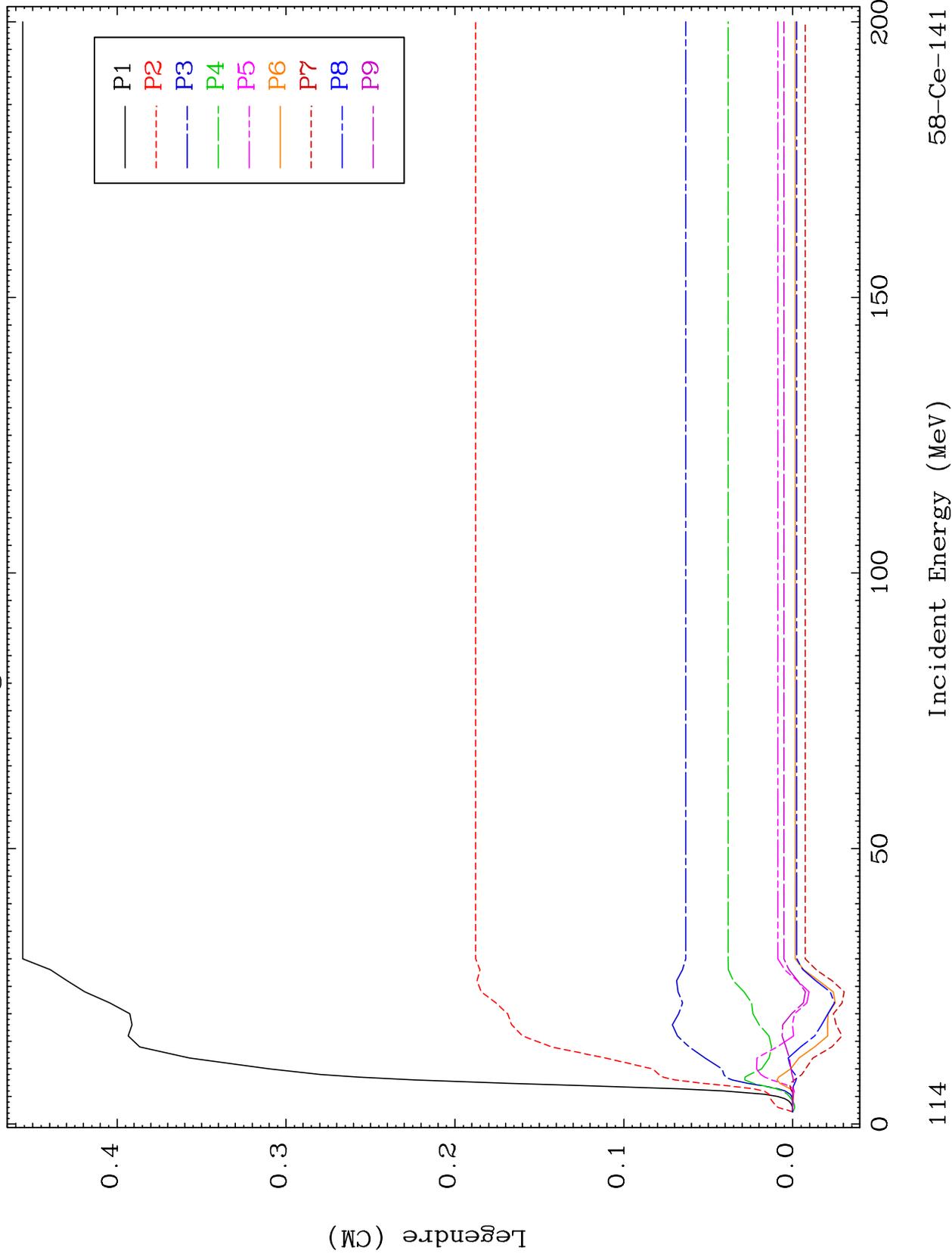
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

58-Ce-141



58-Ce-141

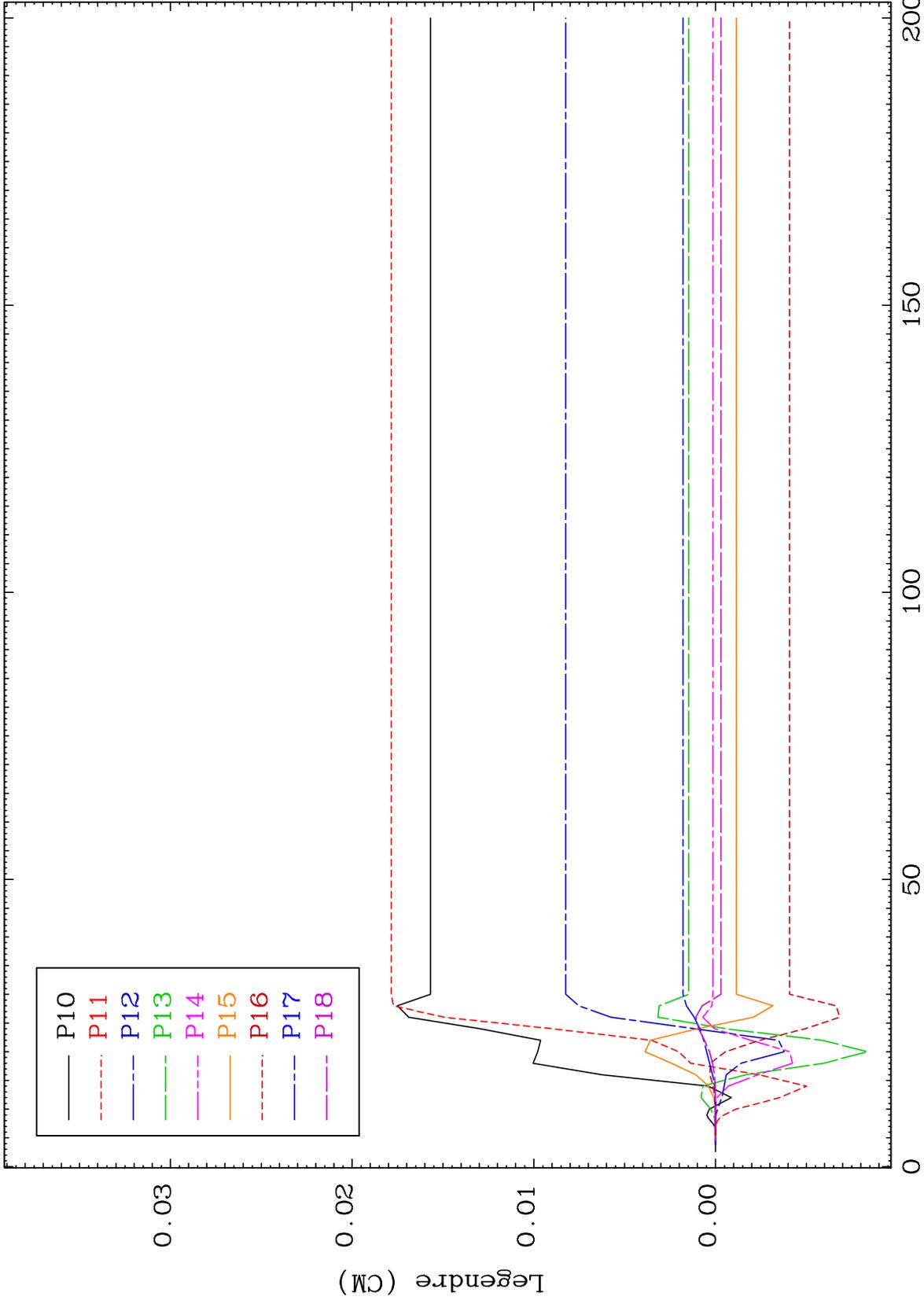
Incident Energy (MeV)

114

MAT 5840

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

58-Ce-141



115

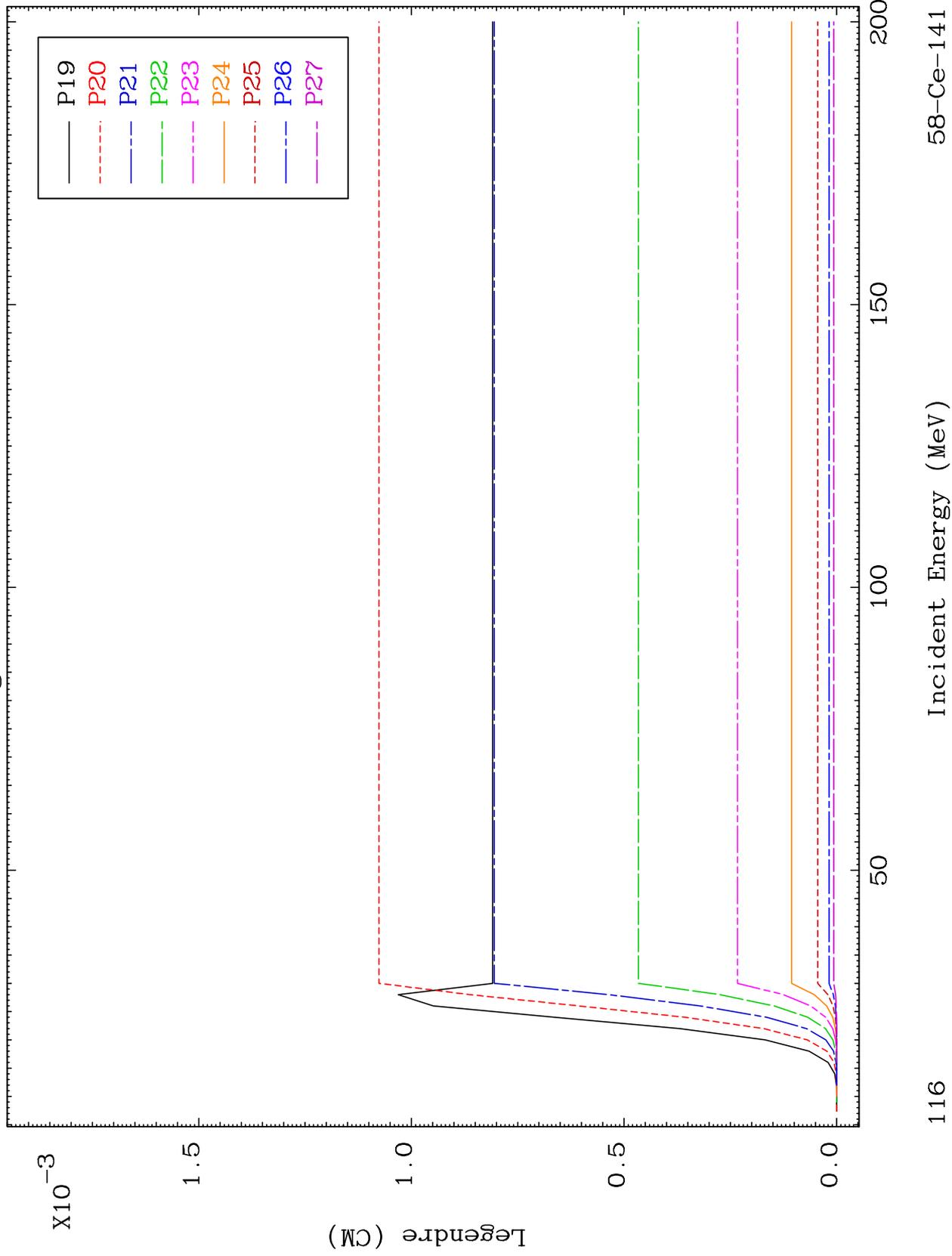
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

58-Ce-141



116

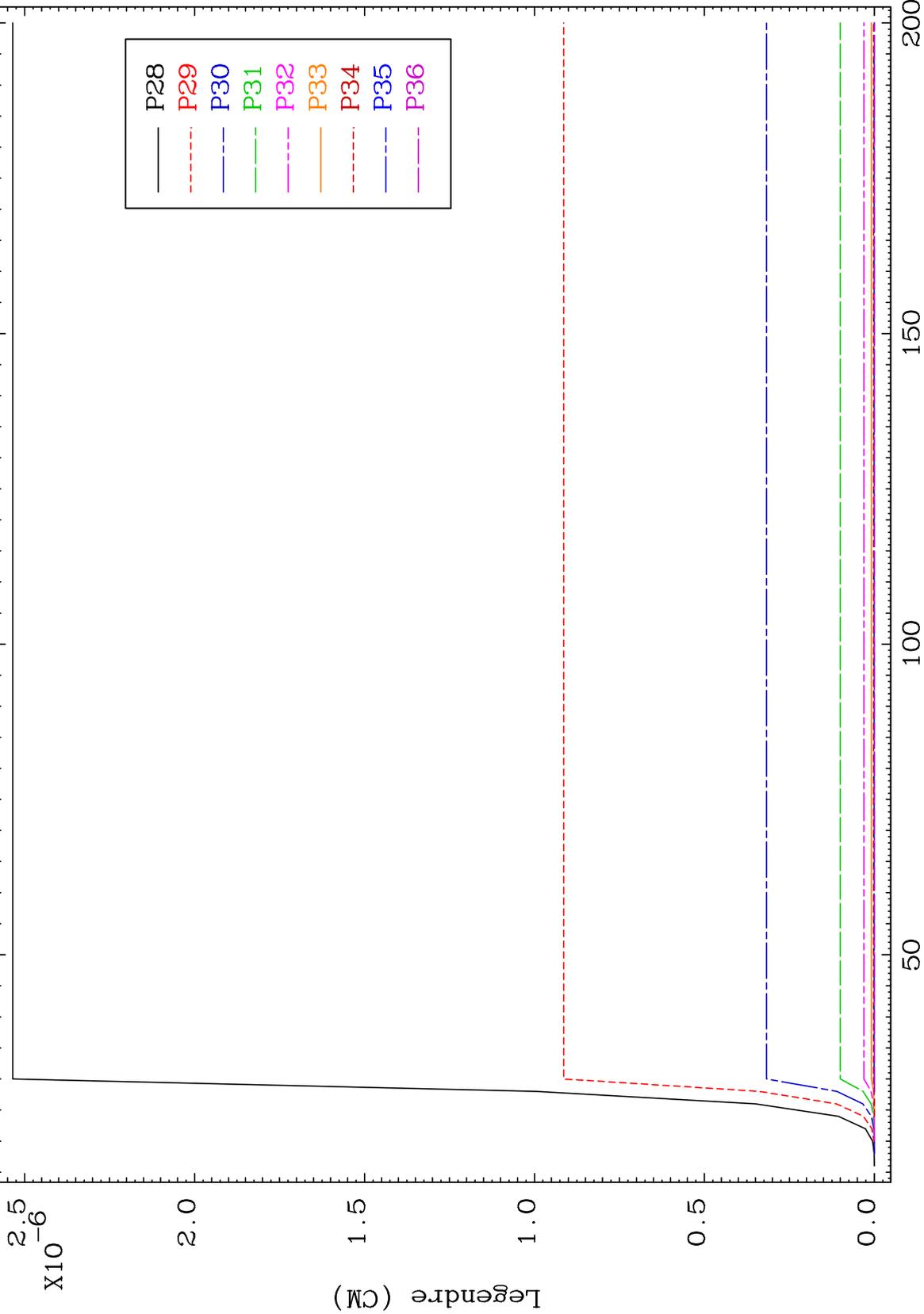
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

58-Ce-141



117

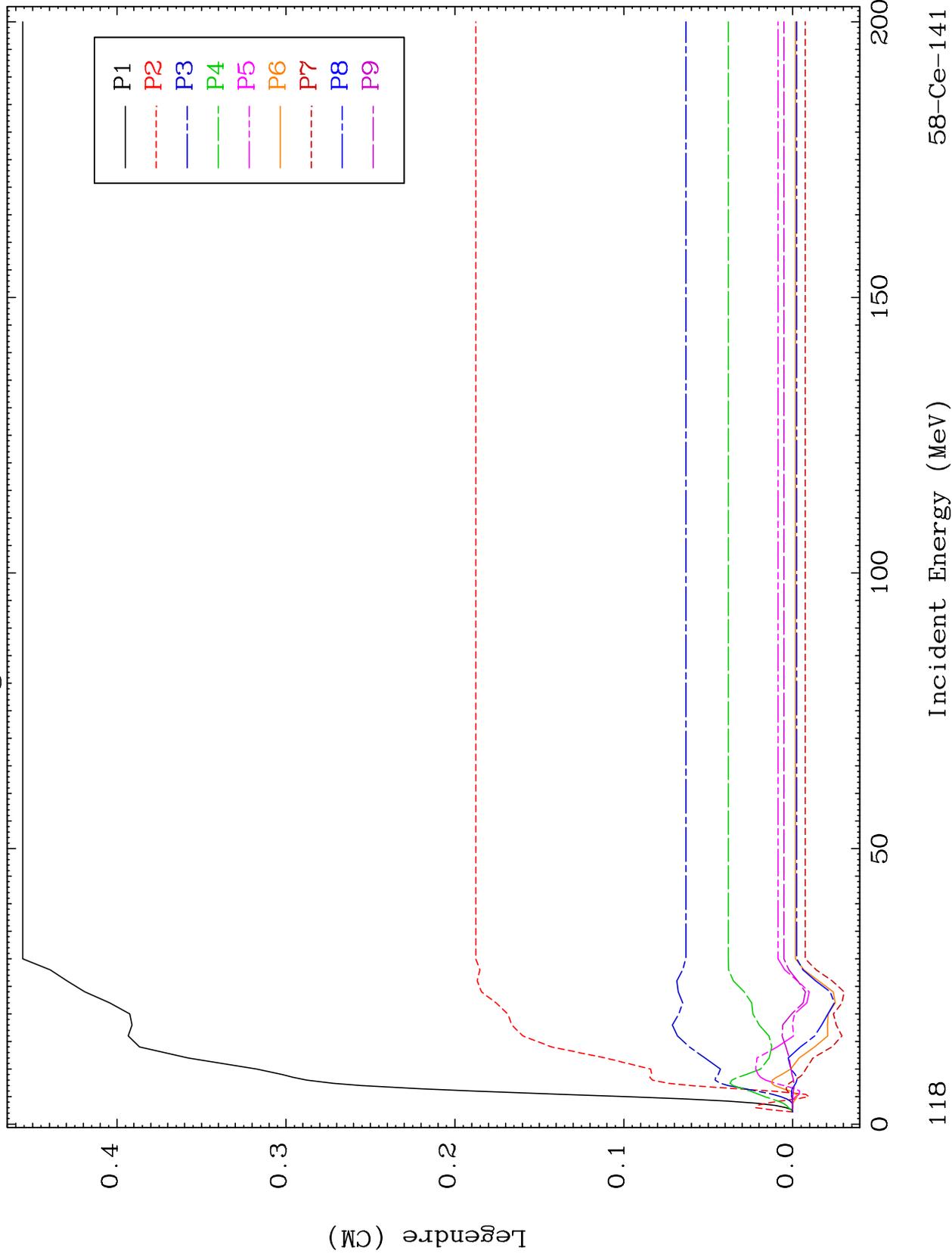
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

58-Ce-141



58-Ce-141

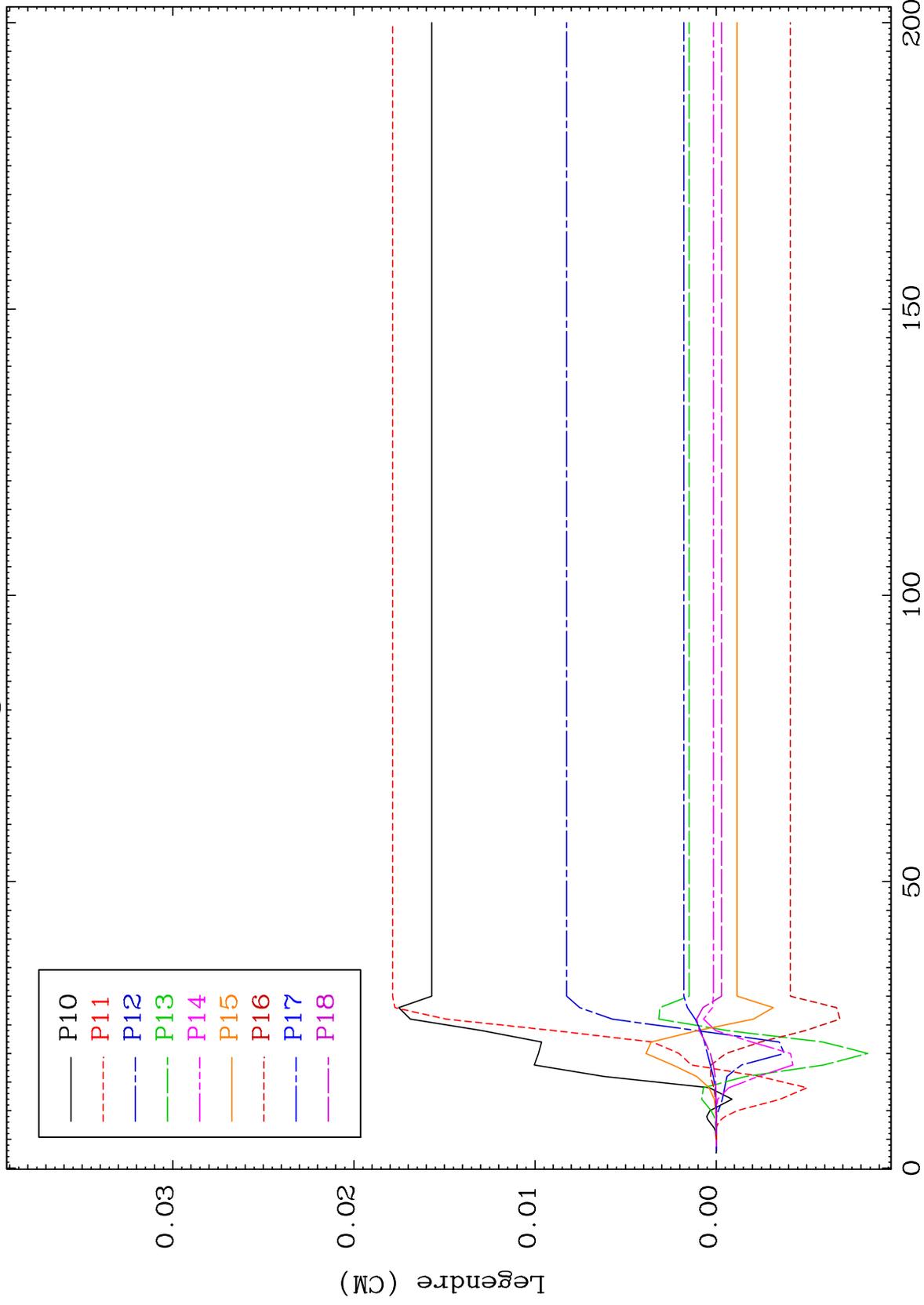
Incident Energy (MeV)

118

MAT 5840

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

58-Ce-141



119

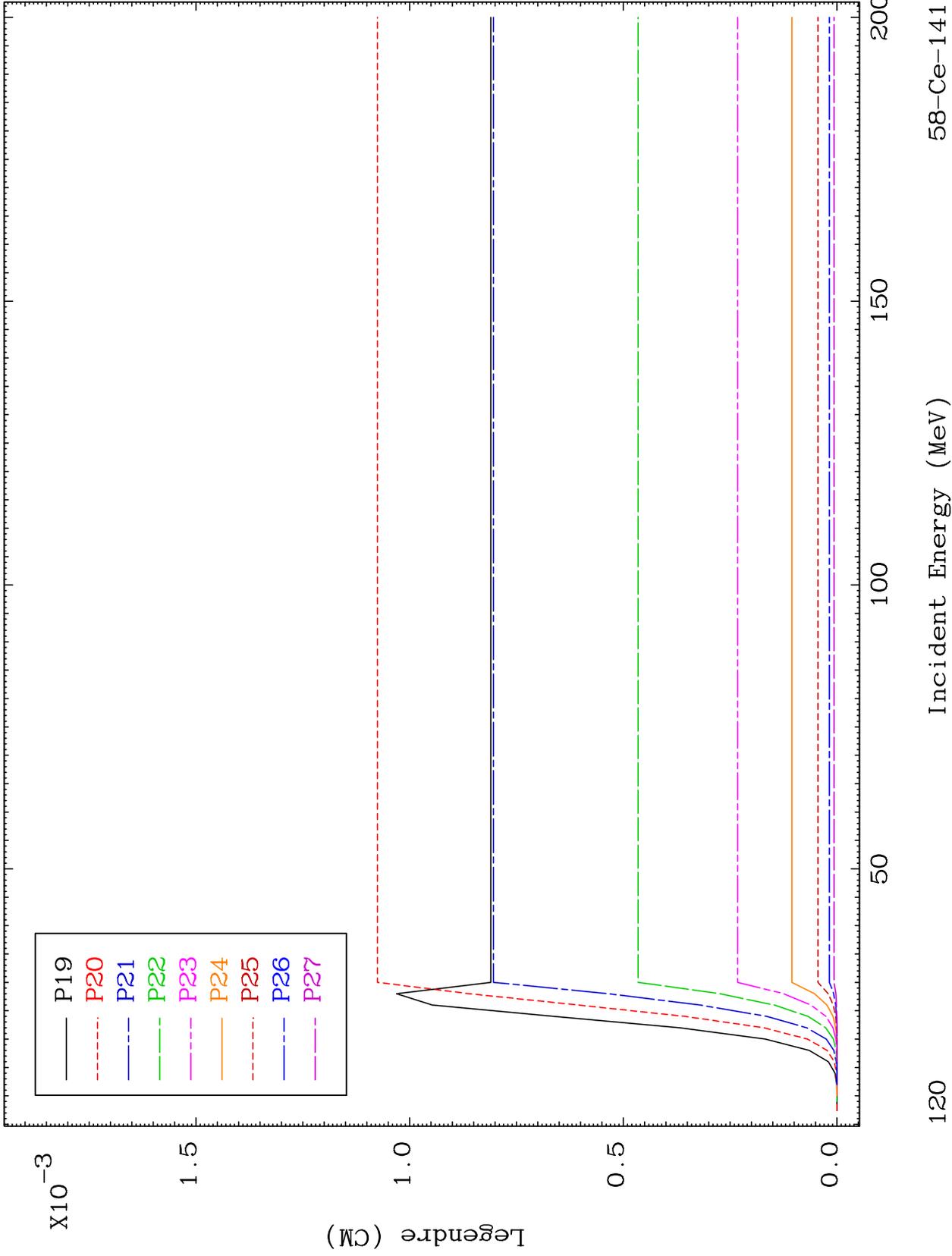
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

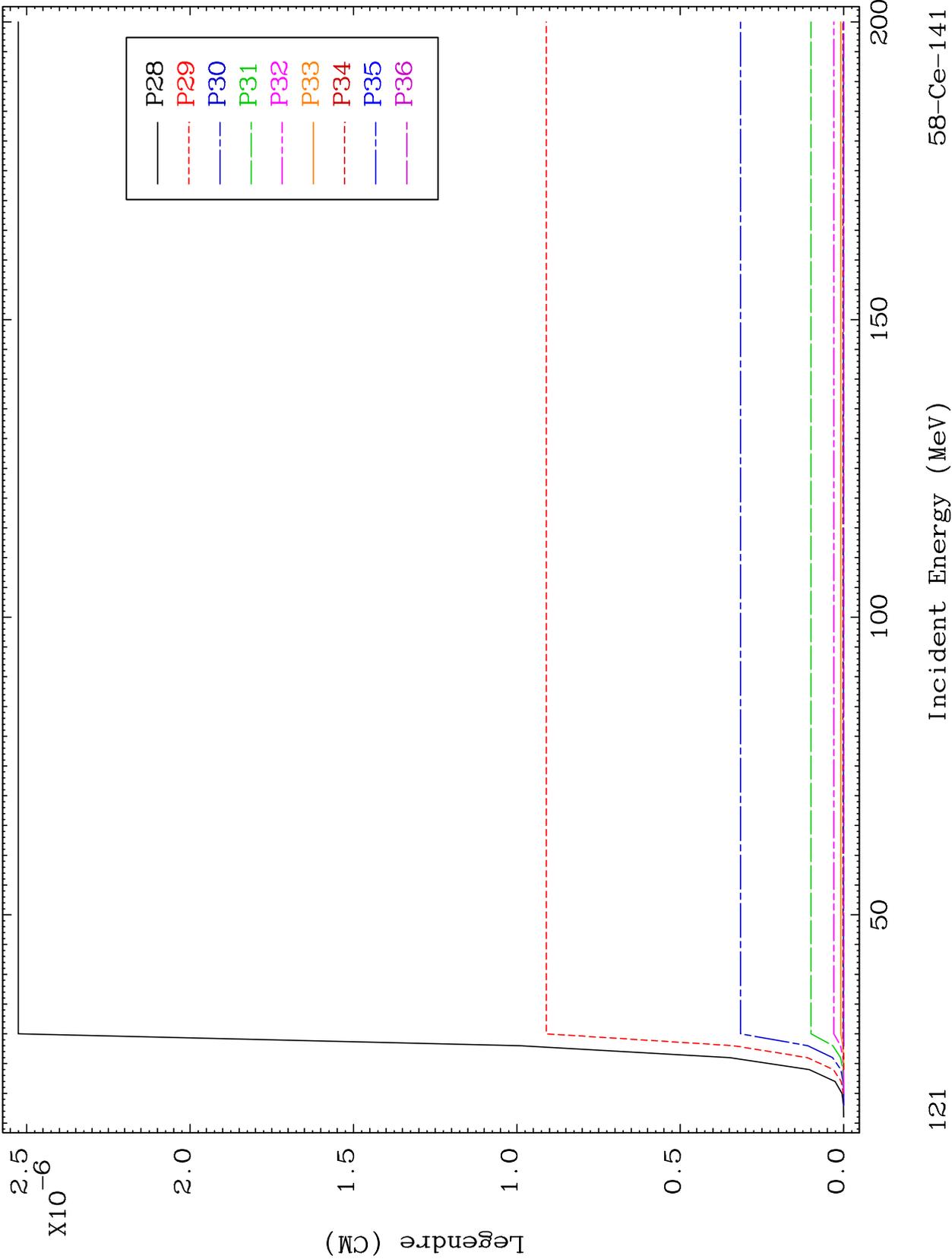
58-Ce-141



MAT 5840

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

58-Ce-141



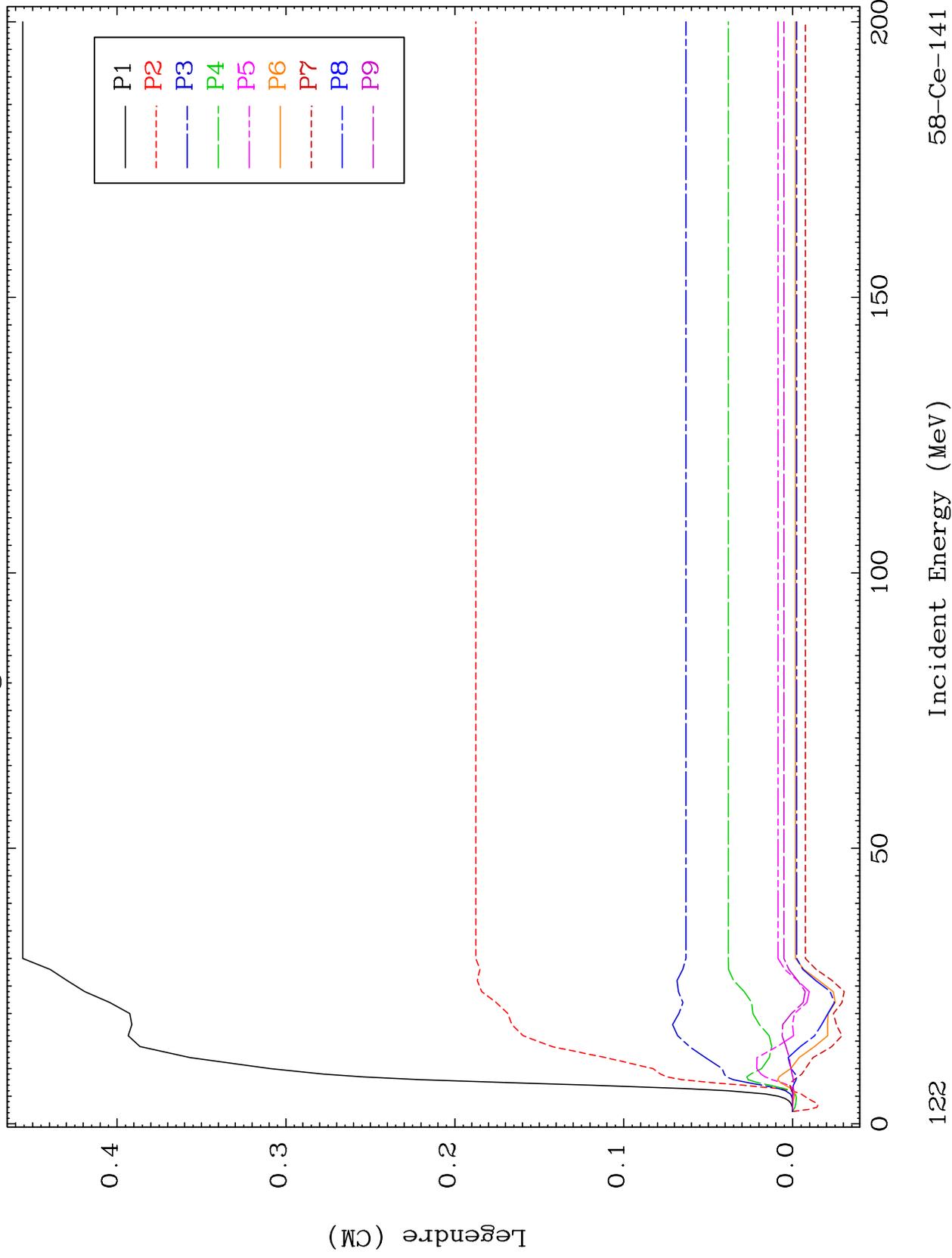
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58-Ce-141

MAT 5840

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

58-Ce-141



58-Ce-141

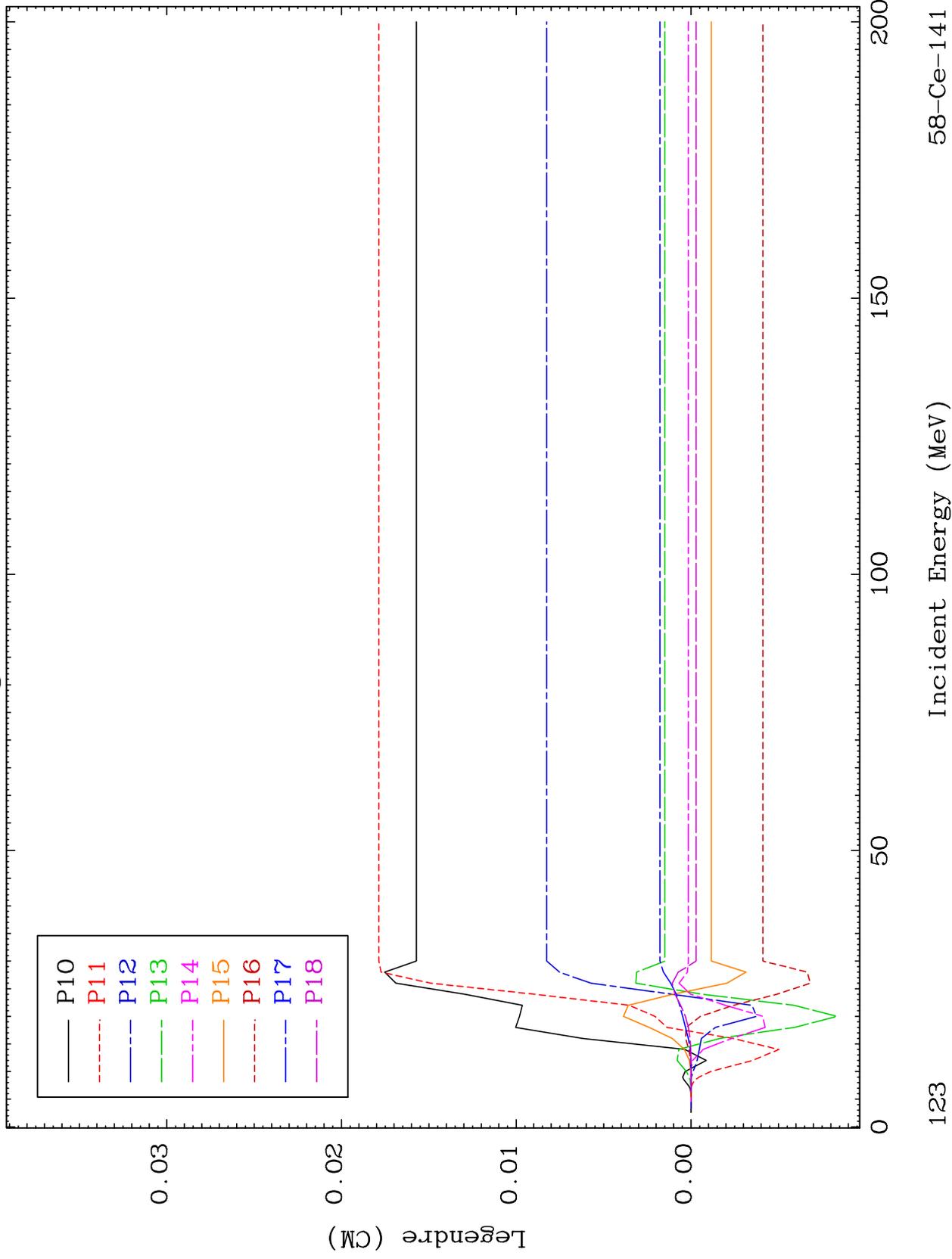
Incident Energy (MeV)

122

MAT 5840

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

58-Ce-141

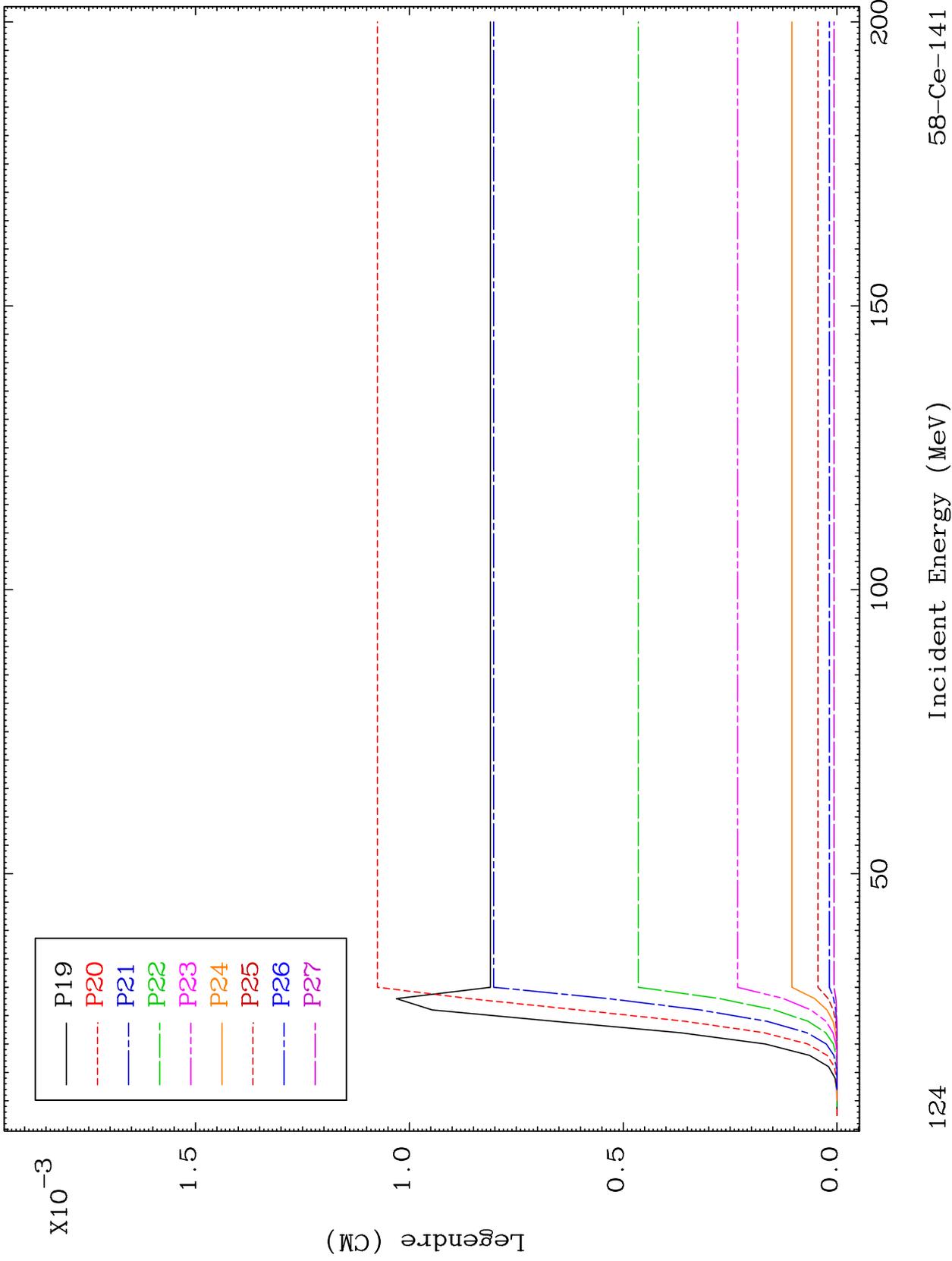


123

MAT 5840

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

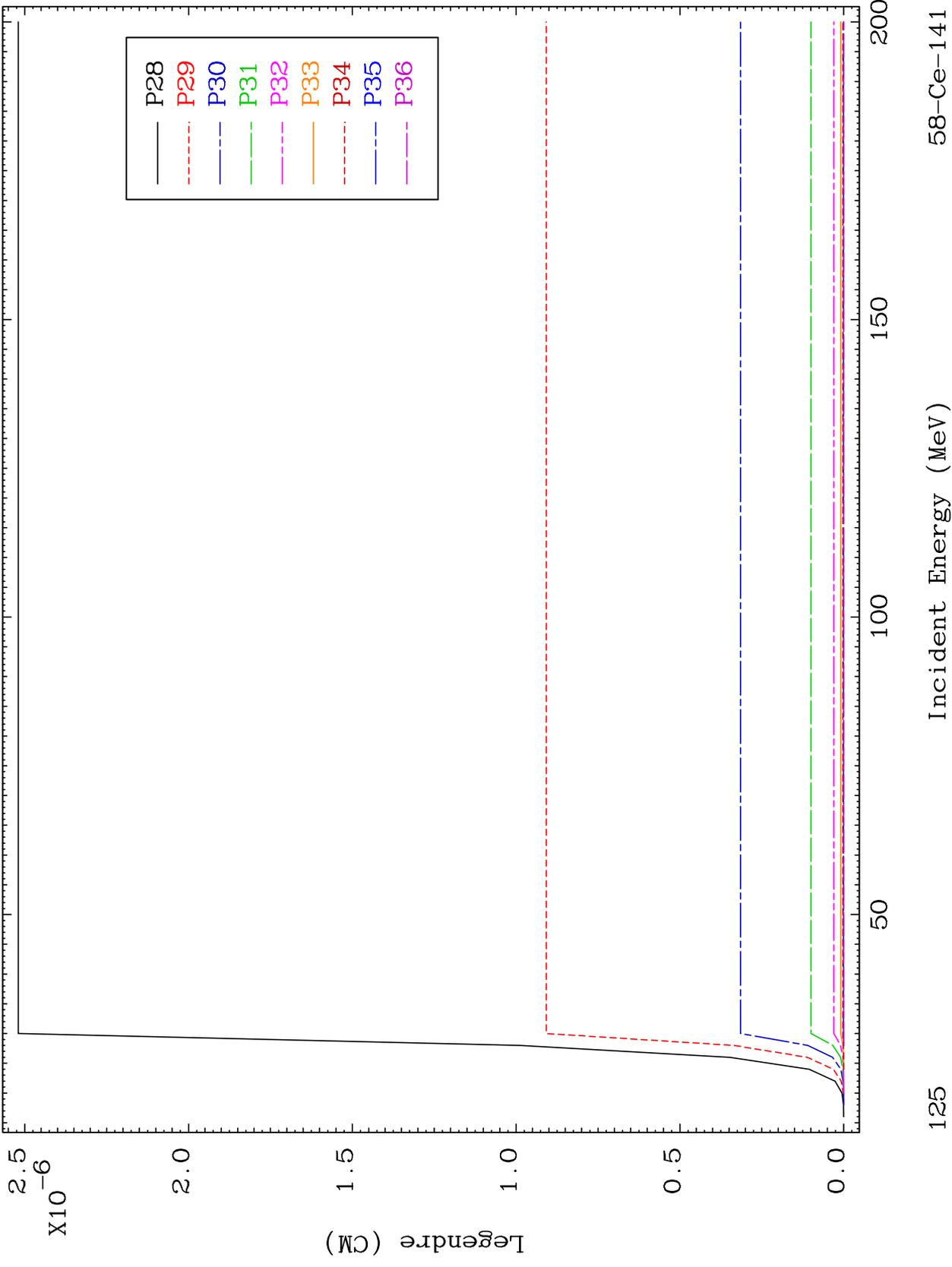
58-Ce-141



MAT 5840

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

58-Ce-141



125

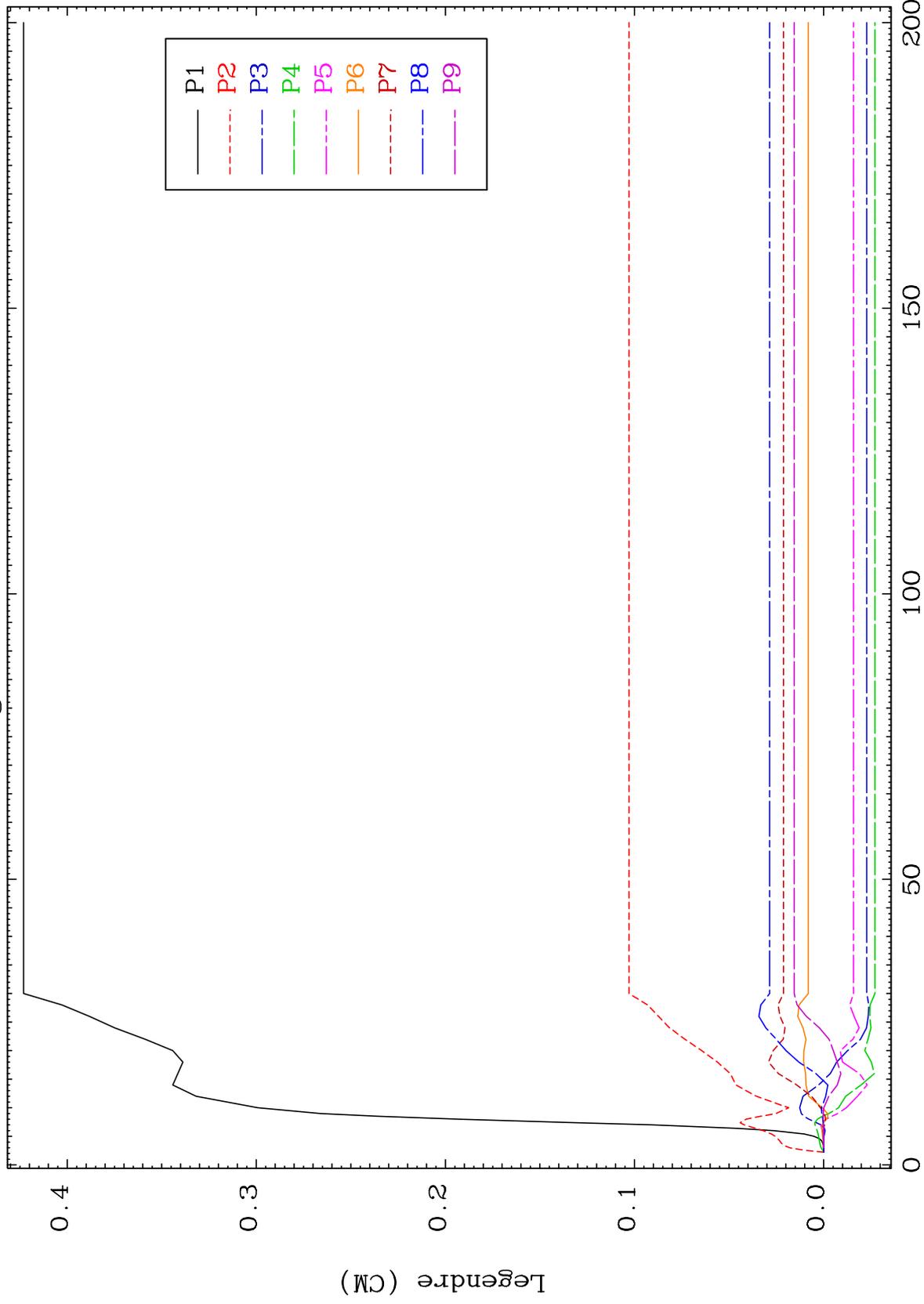
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

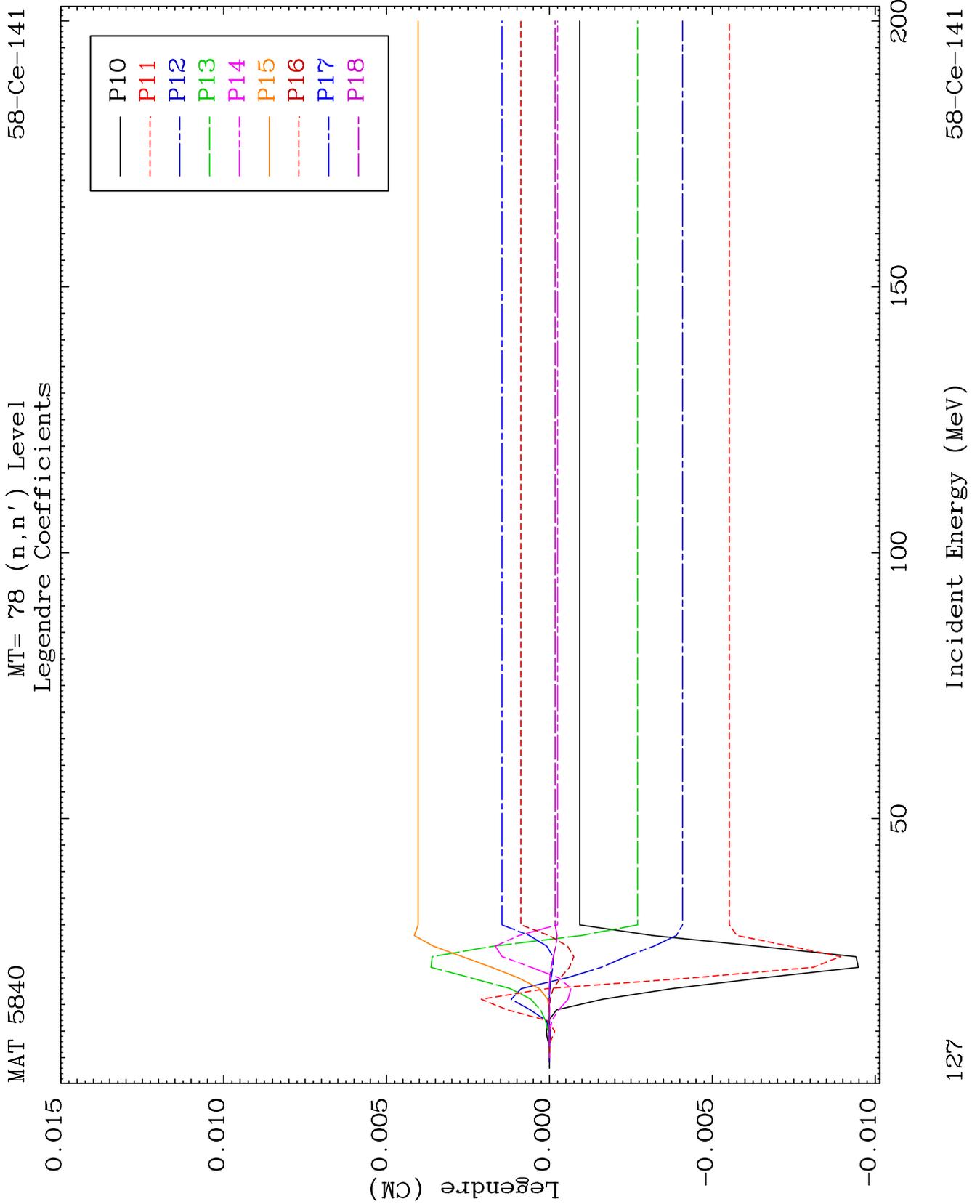
58-Ce-141

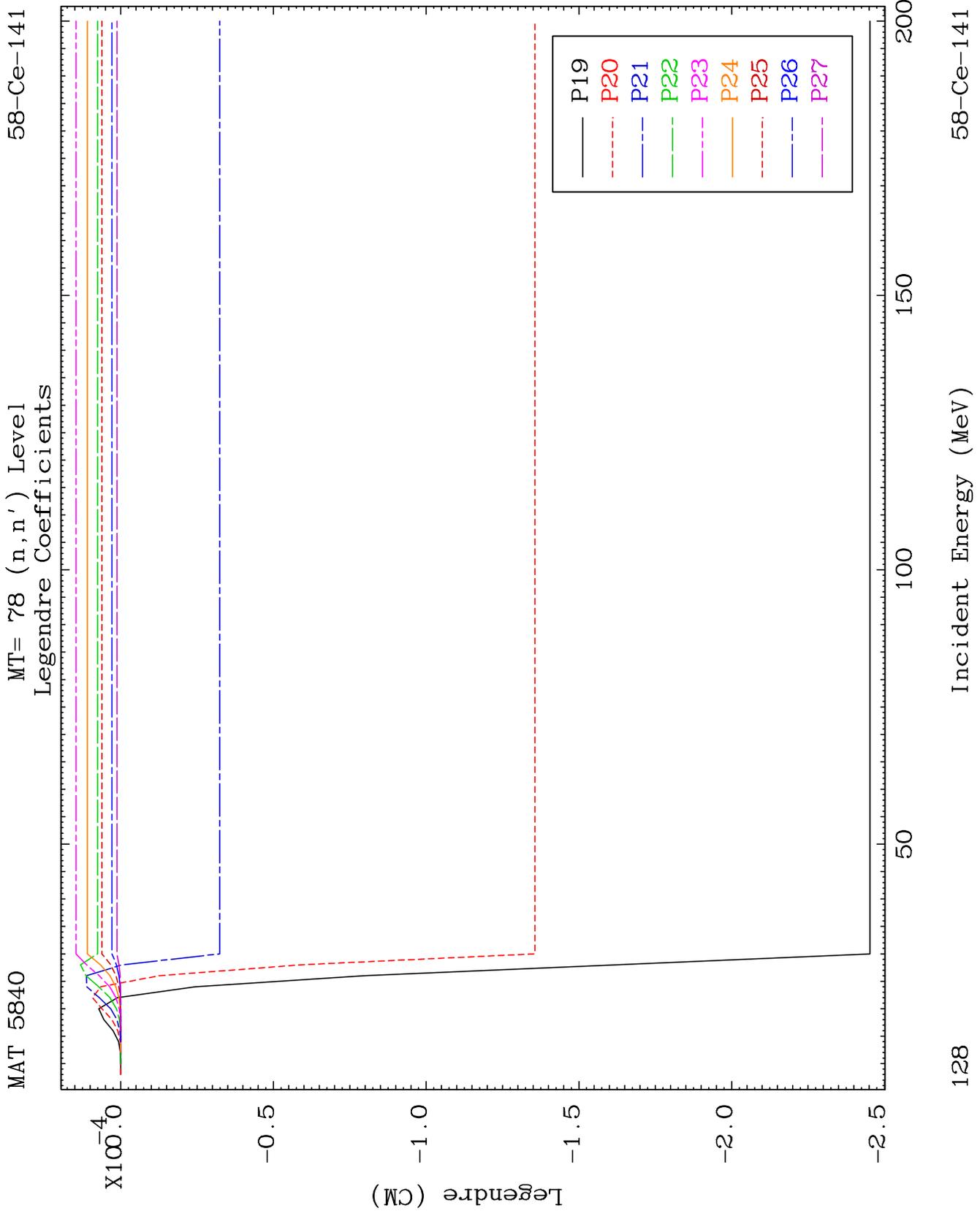


58-Ce-141

Incident Energy (MeV)

126

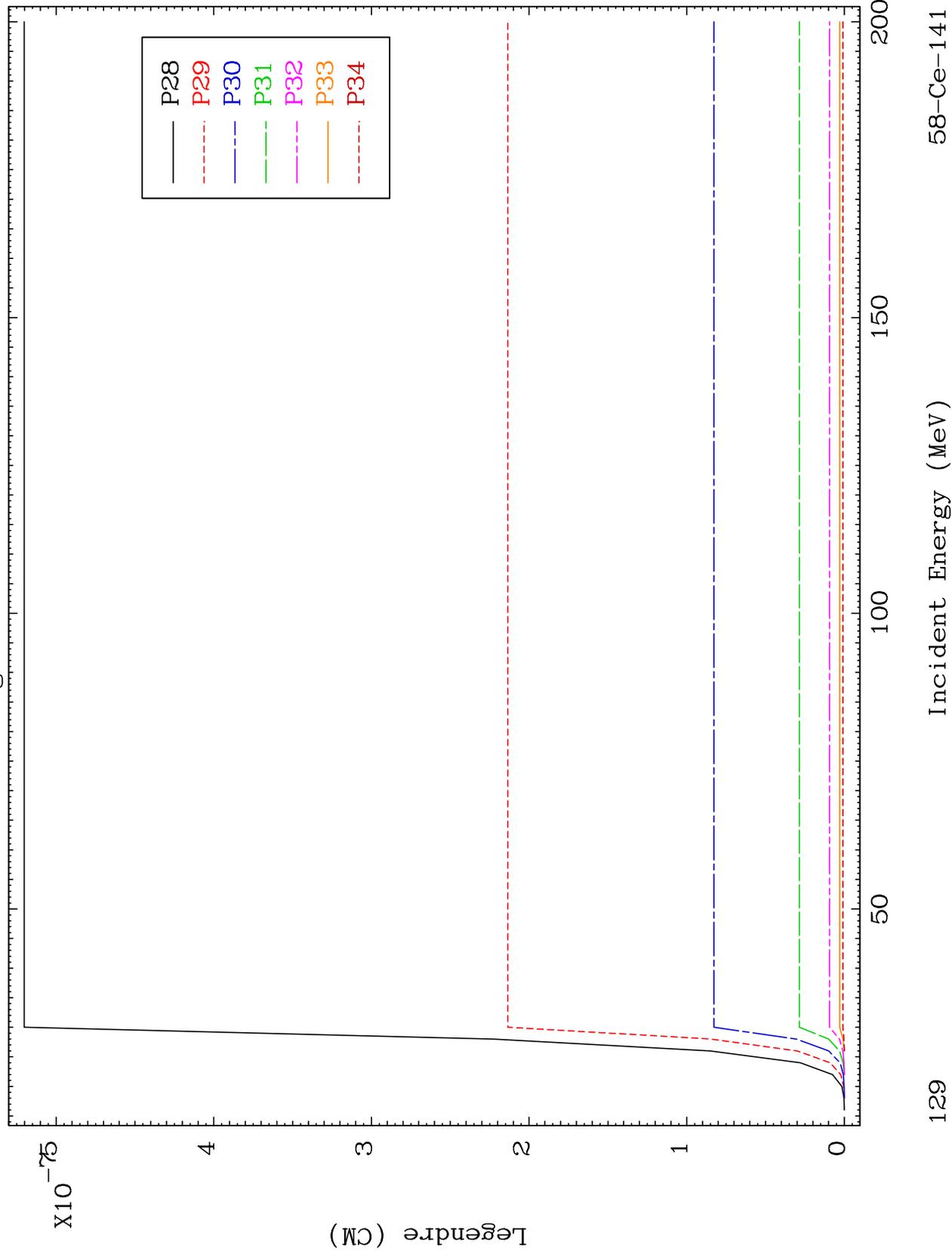




MAT 5840

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

58-Ce-141



129

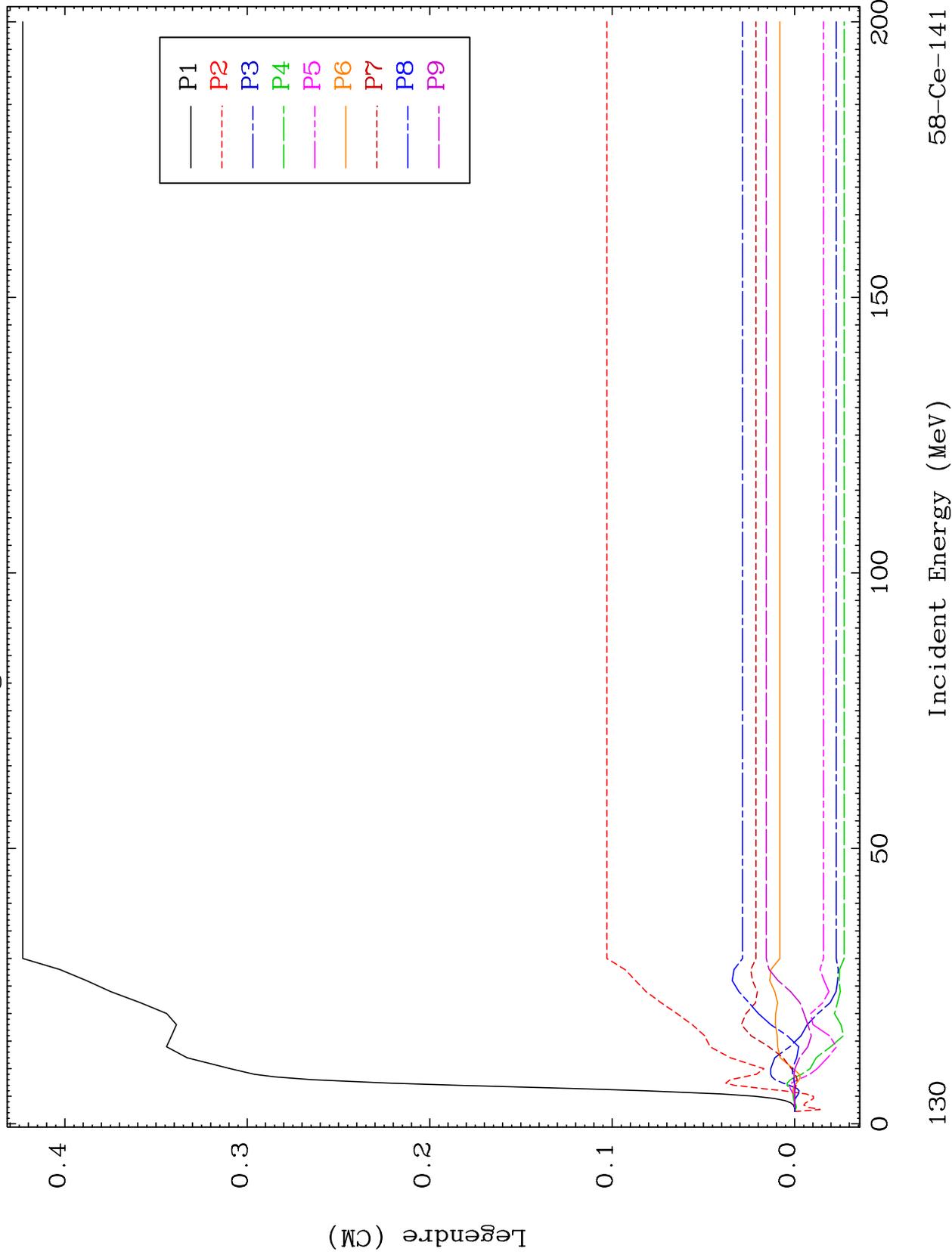
Incident Energy (MeV)

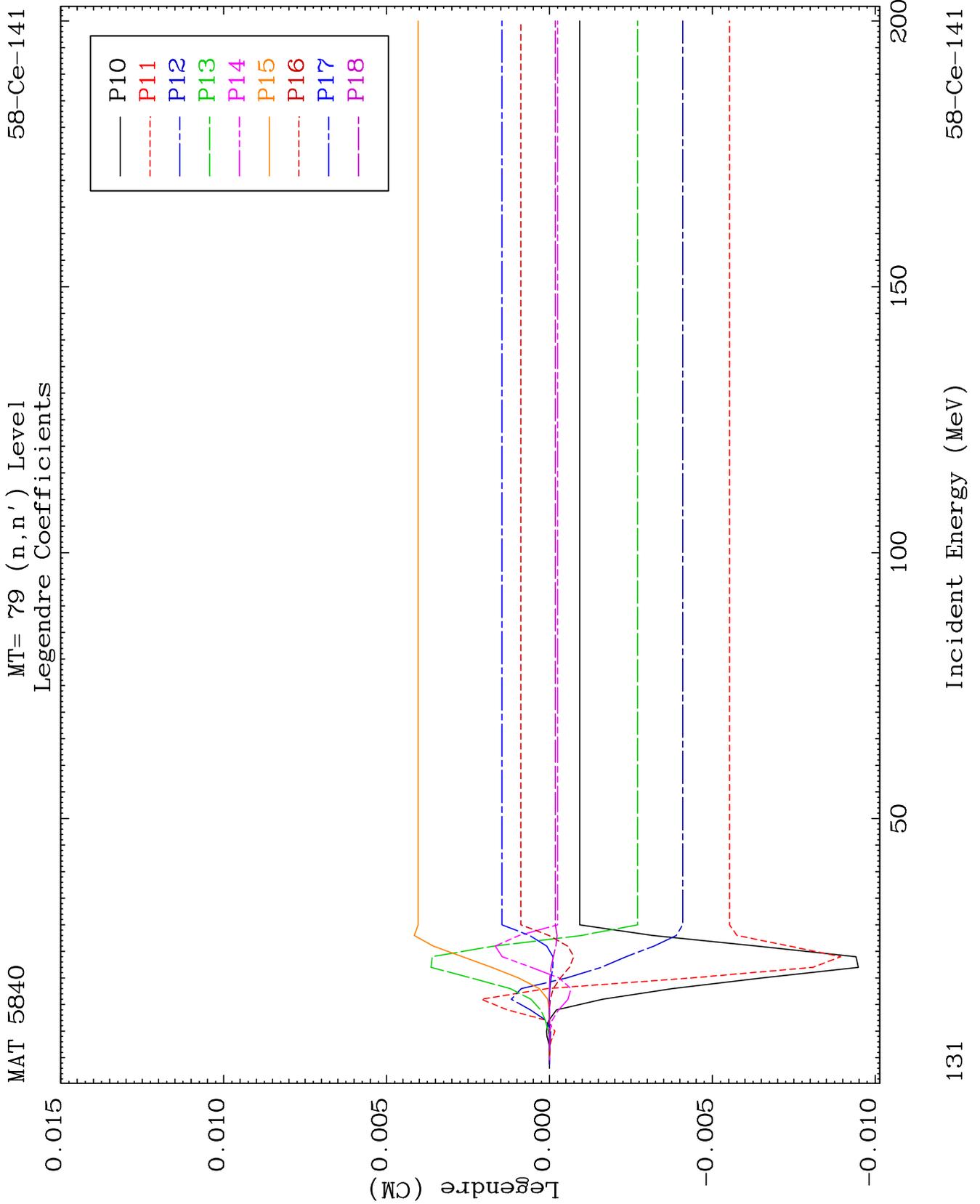
58-Ce-141

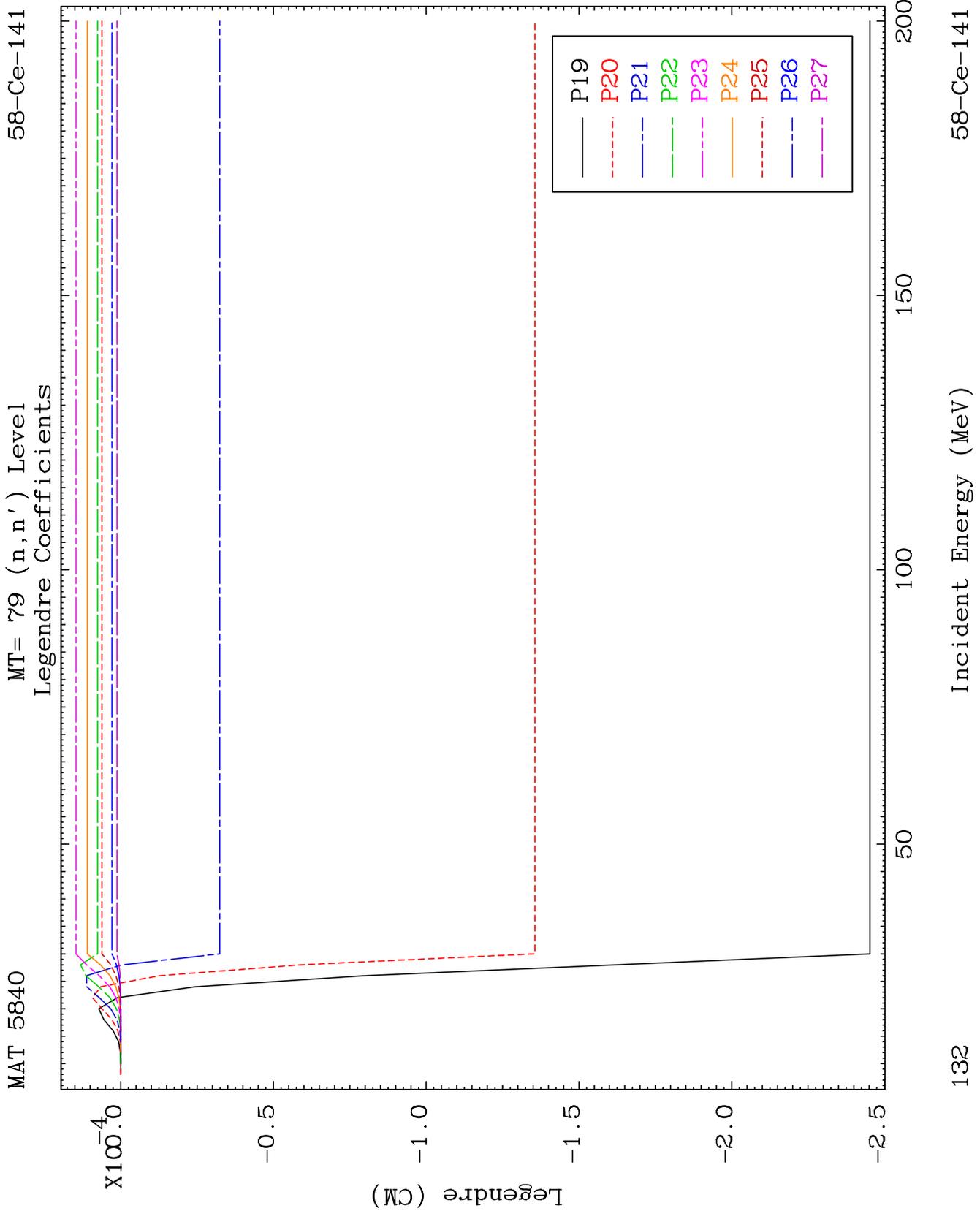
MAT 5840

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

58-Ce-141



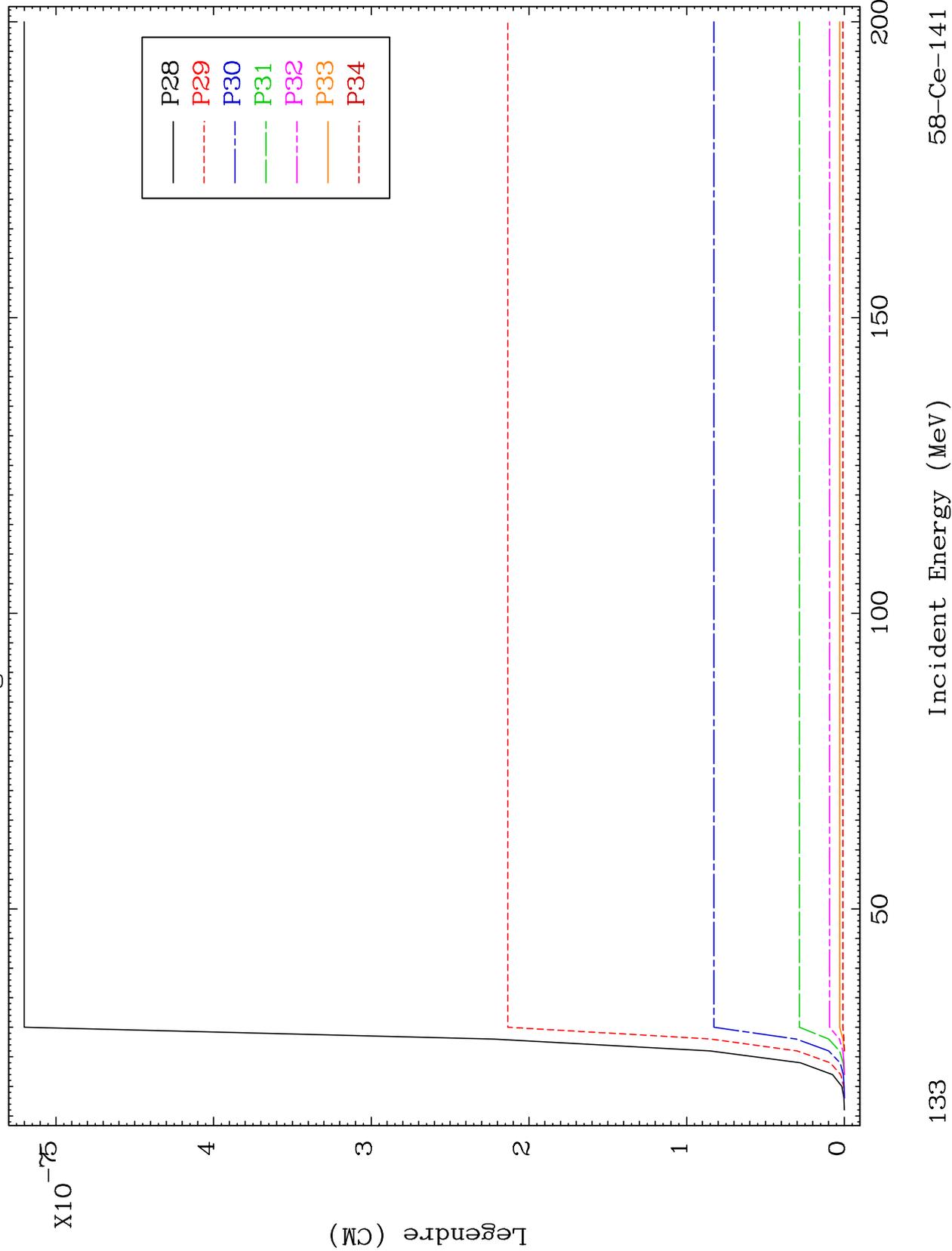




MAT 5840

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

58-Ce-141

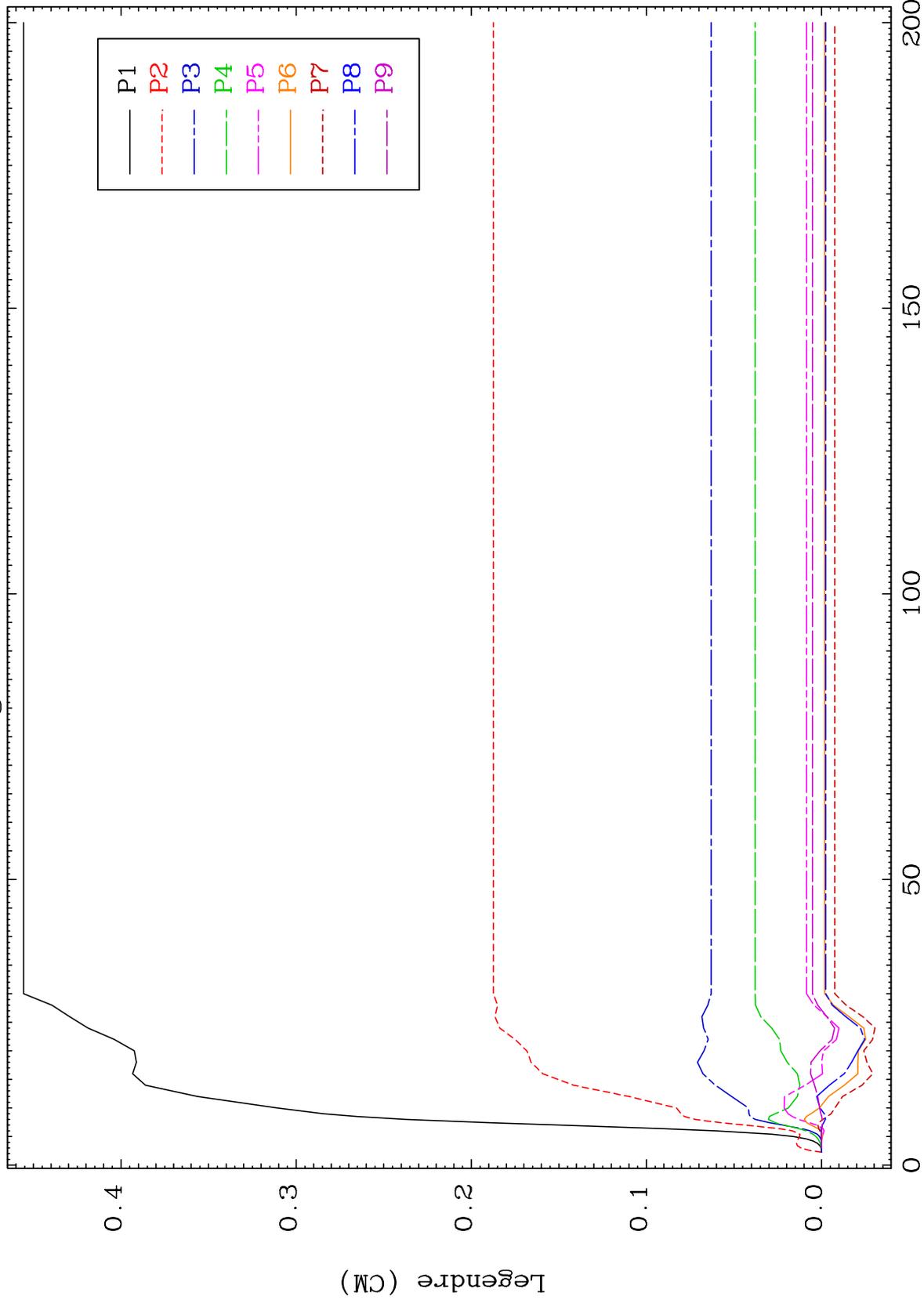


133

MAT 5840

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

58-Ce-141



134

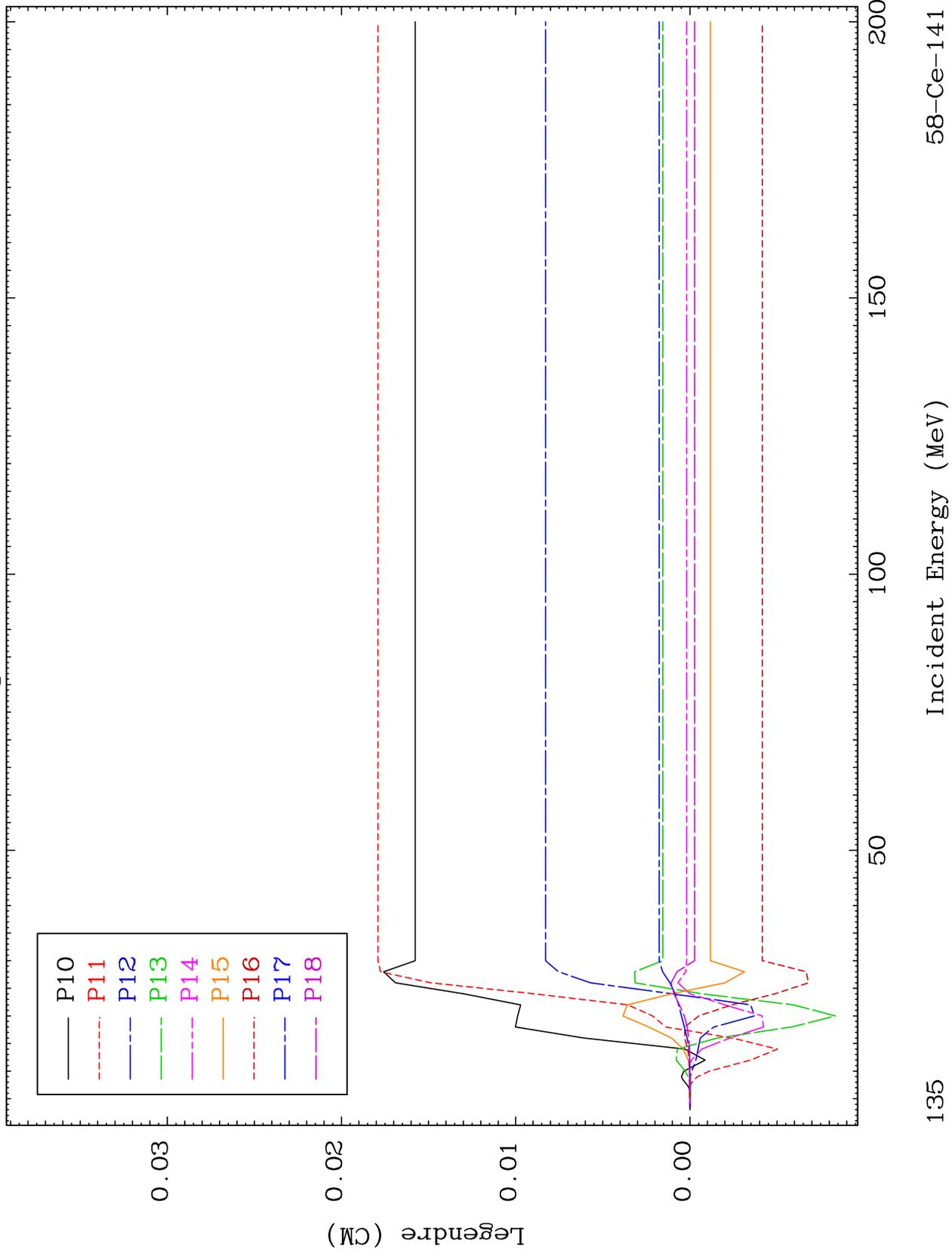
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

58-Ce-141



135

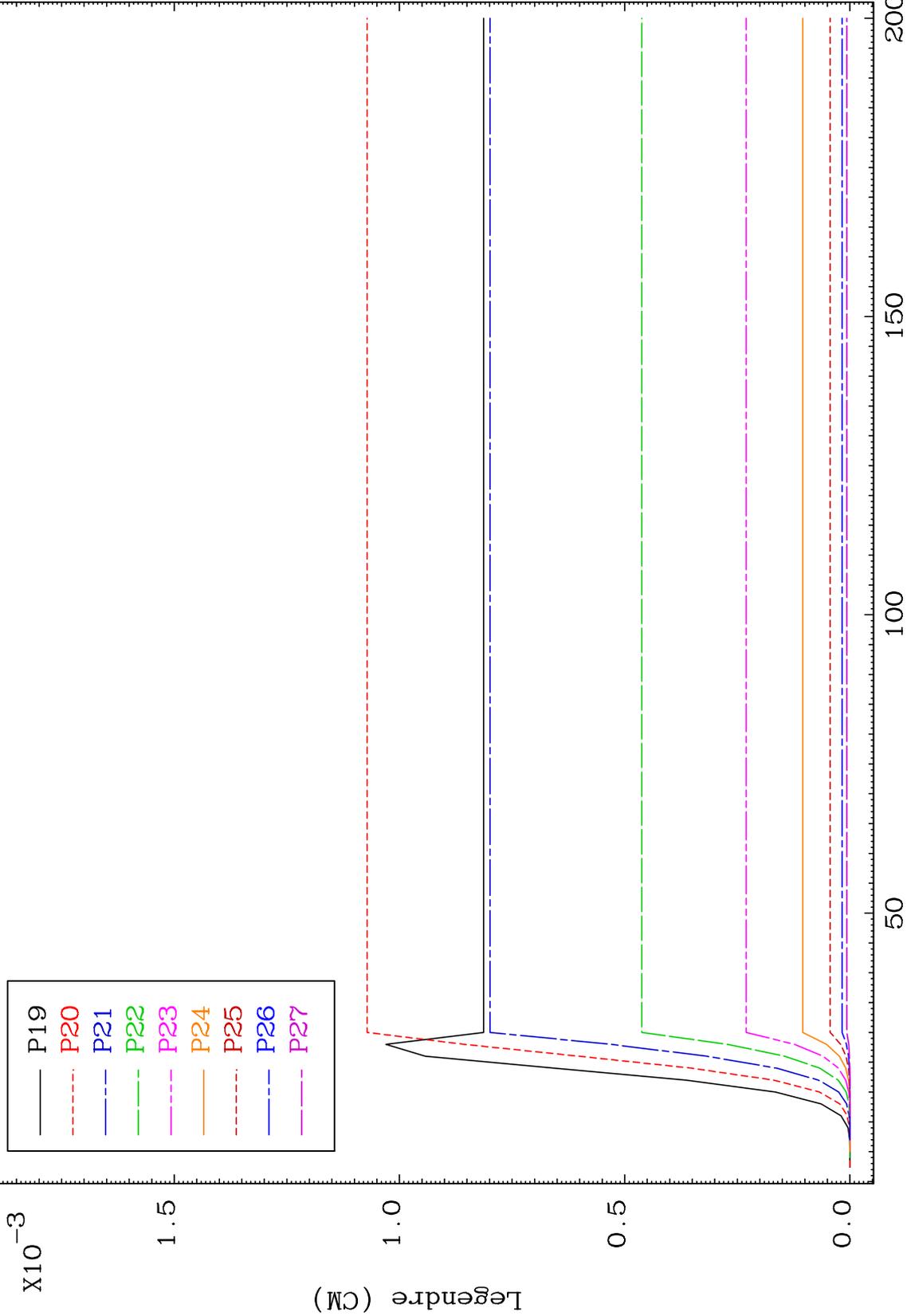
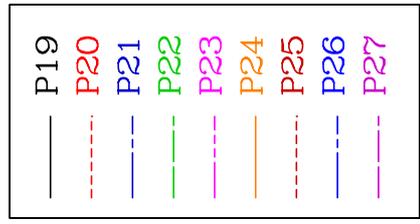
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

58-Ce-141



136

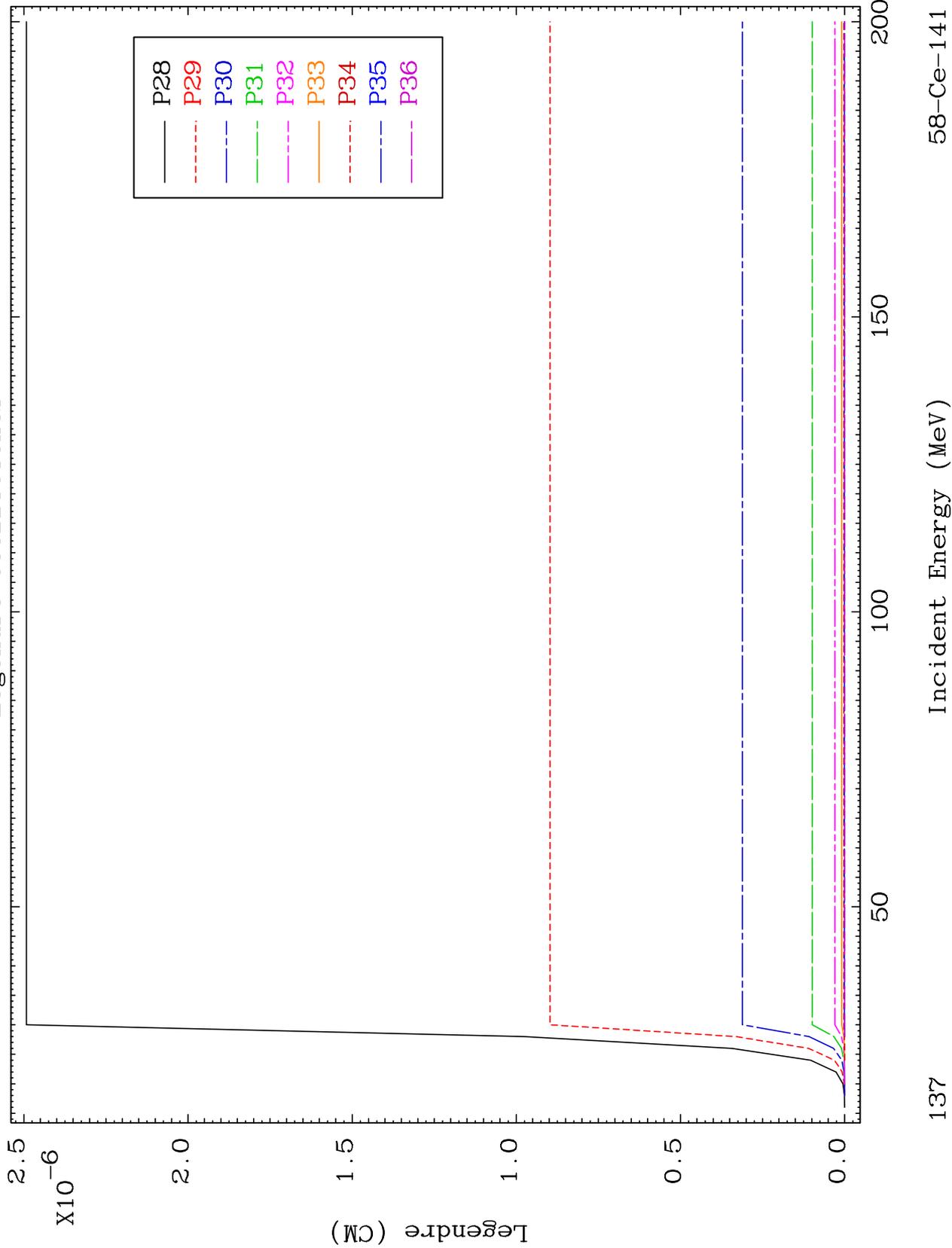
Incident Energy (MeV)

58-Ce-141

MAT 5840

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

58-Ce-141



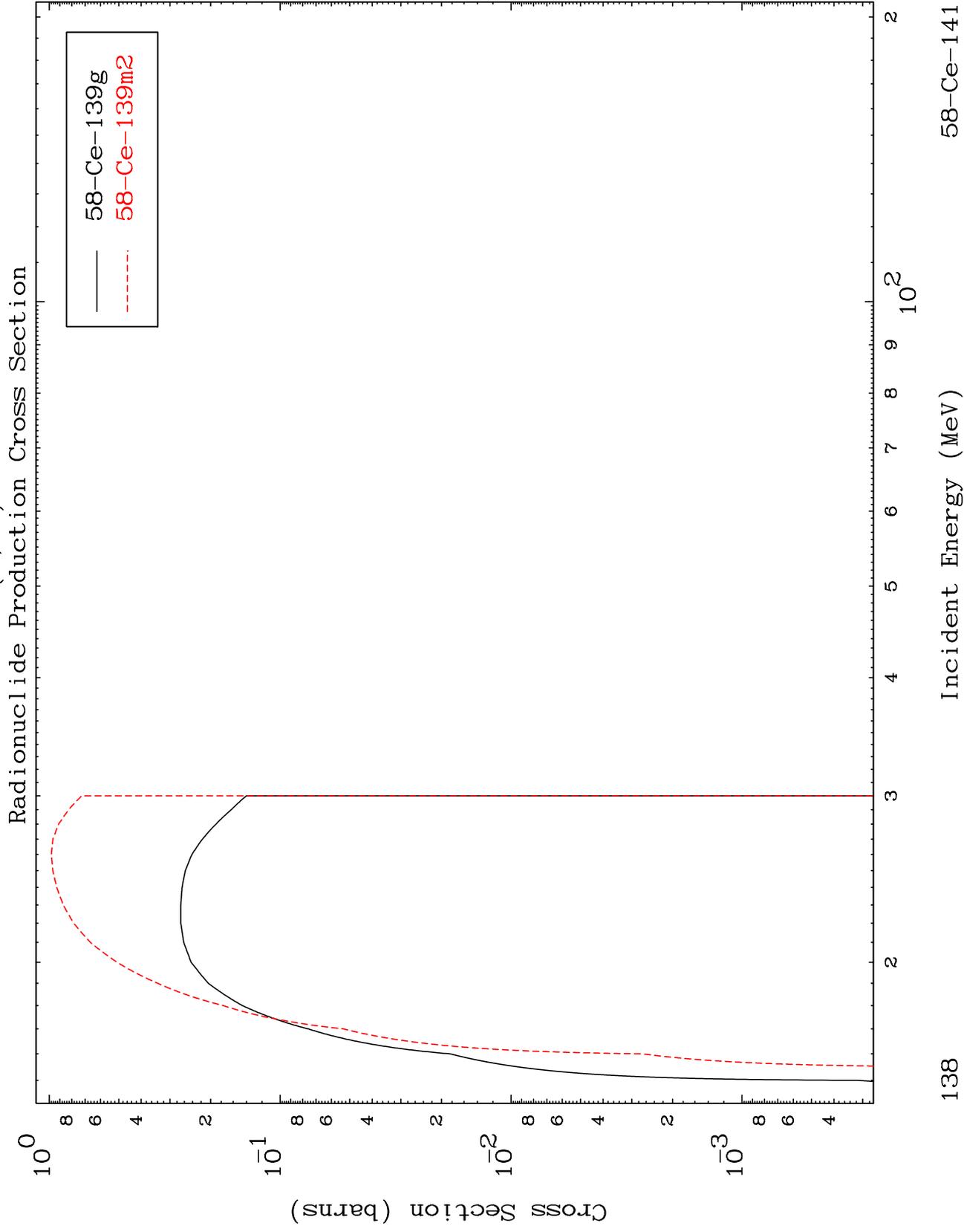
137

58-Ce-141

MAT 5840

(n,3n)

58-Ce-141



138

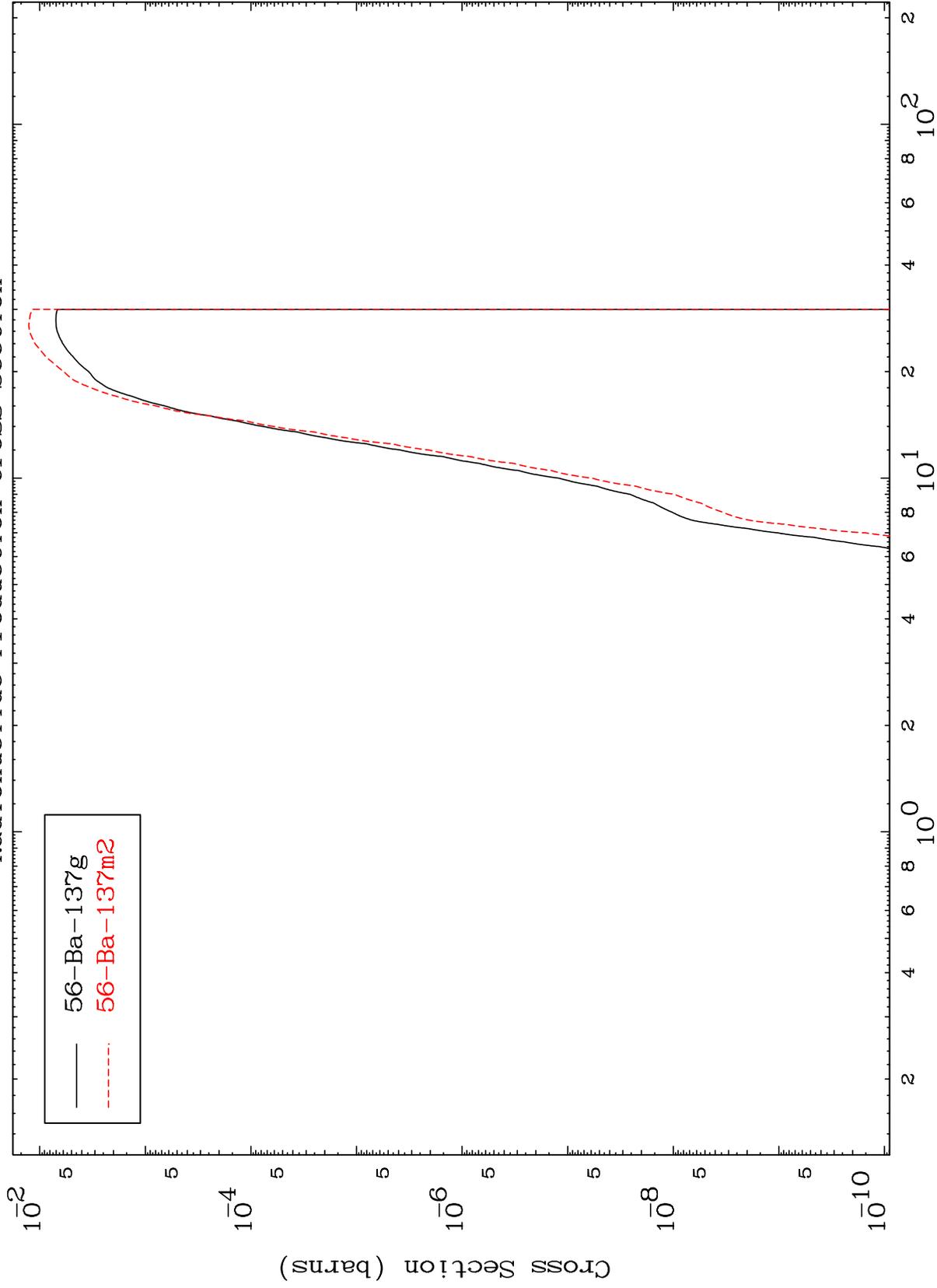
58-Ce-141

MAT 5840

$(n, n') \alpha$

58-Ce-141

Radionuclide Production Cross Section



139

Incident Energy (MeV)

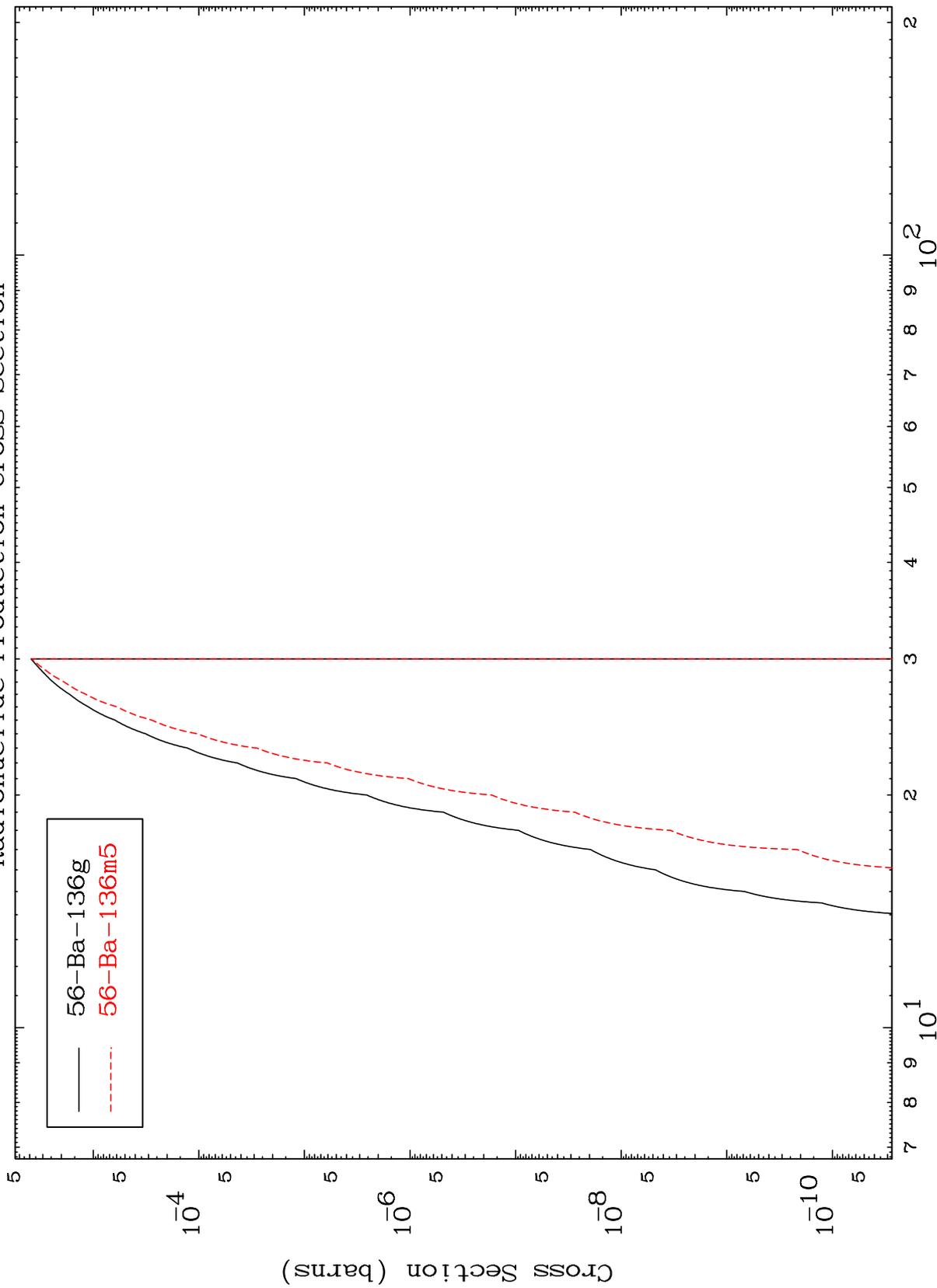
58-Ce-141

MAT 5840

(n,2n) α

58-Ce-141

Radionuclide Production Cross Section



56-Ba-136g
56-Ba-136m5

140

Incident Energy (MeV)

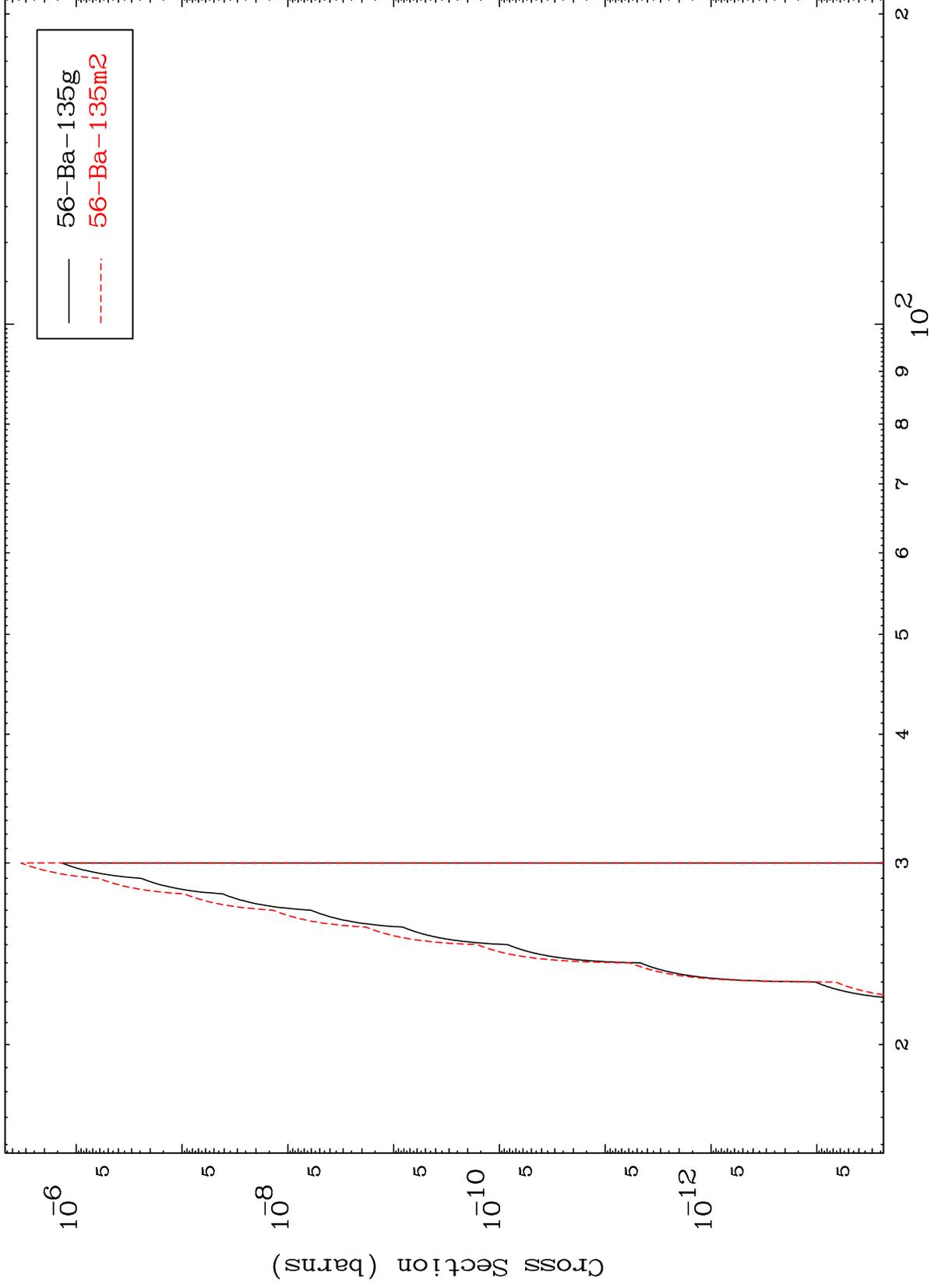
58-Ce-141

MAT 5840

(n,3n) α

58-Ce-141

Radionuclide Production Cross Section



141

Incident Energy (MeV)

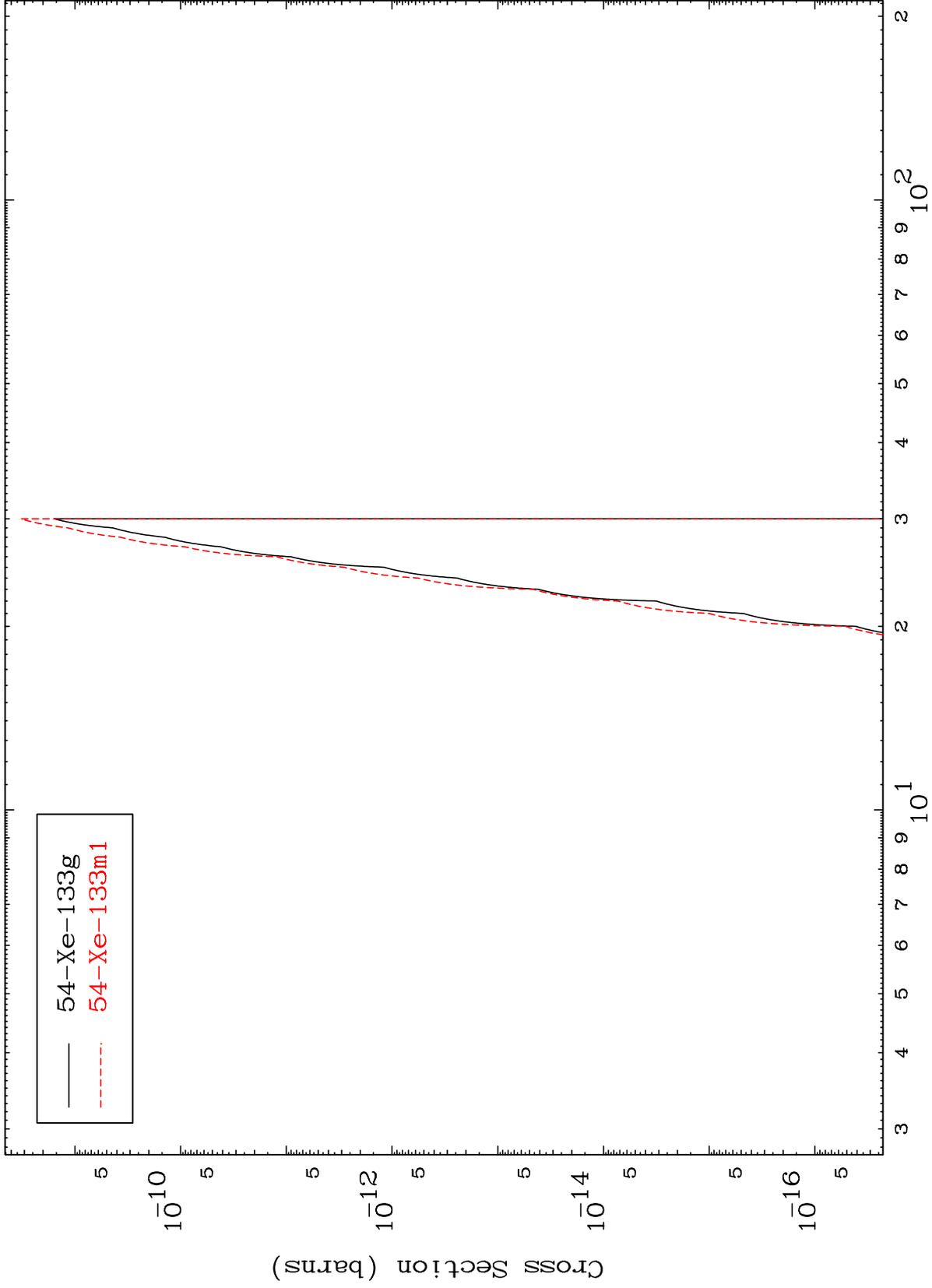
58-Ce-141

MAT 5840

(n,n') 2α

58-Ce-141

Radionuclide Production Cross Section



142

Incident Energy (MeV)

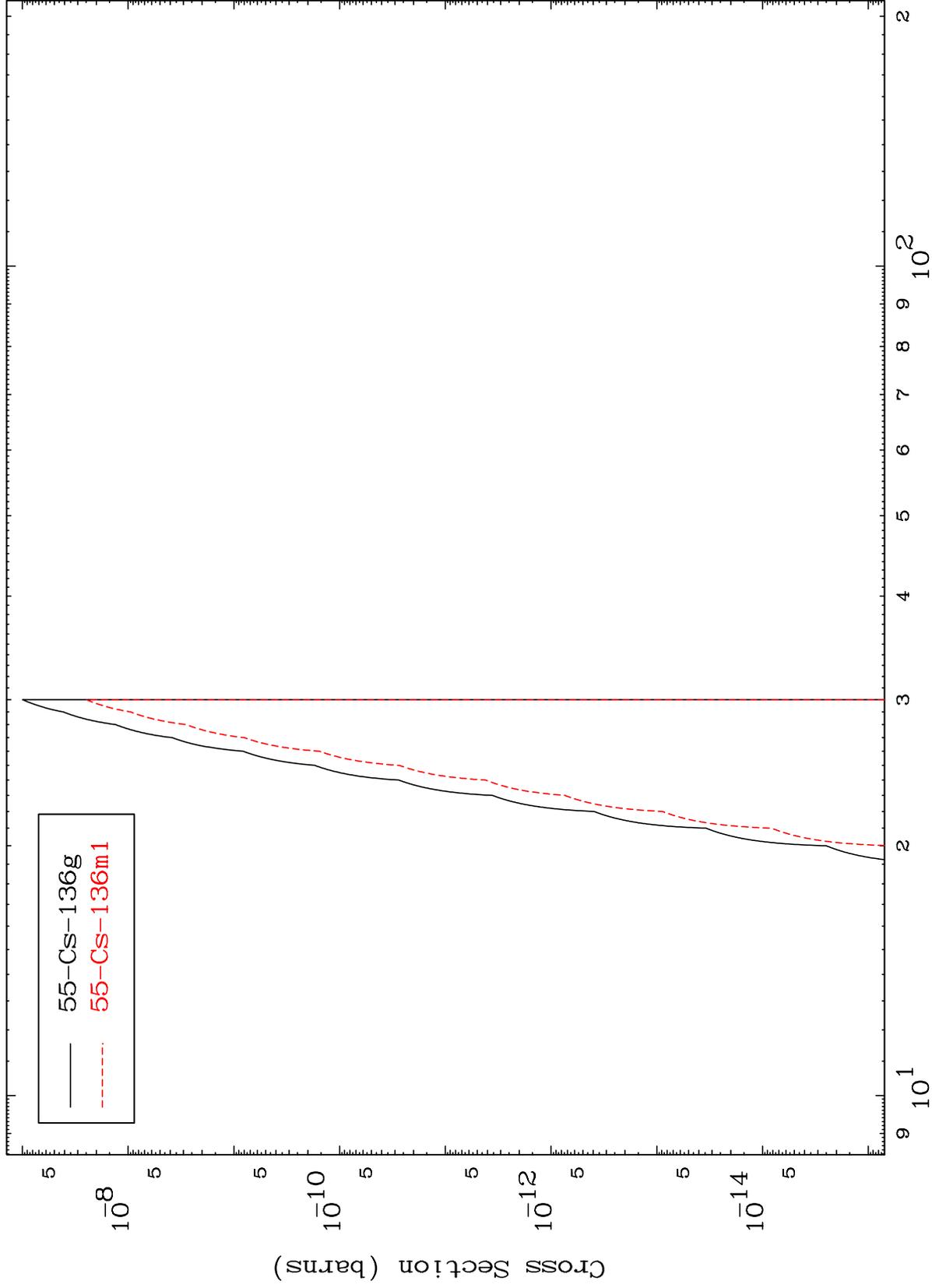
58-Ce-141

MAT 5840

(n,n') p α

58-Ce-141

Radionuclide Production Cross Section



143

Incident Energy (MeV)

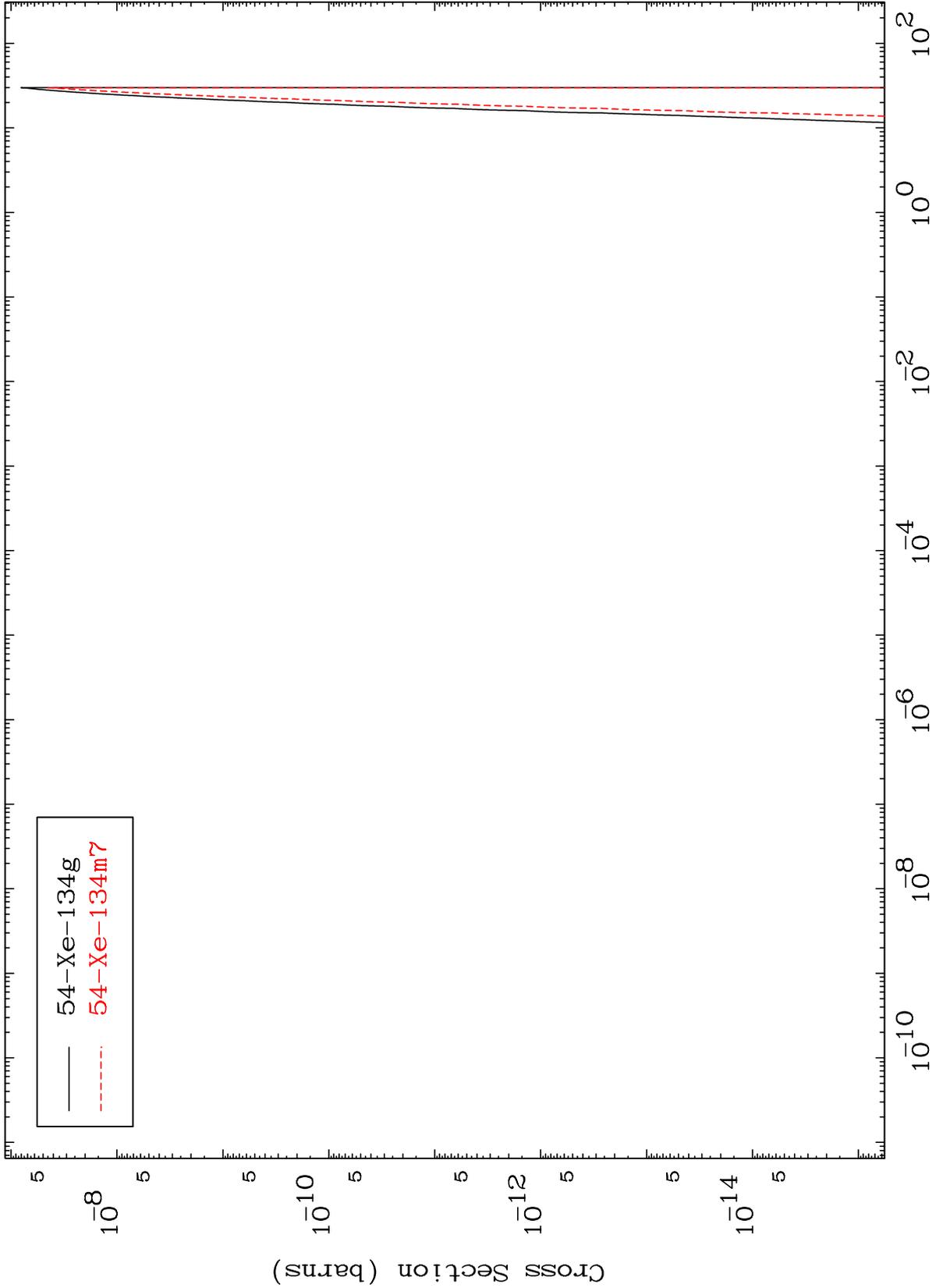
58-Ce-141

MAT 5840

(n,2α)

58-Ce-141

Radionuclide Production Cross Section



54-Xe-134g
54-Xe-134m7

MAT 5840

(n,d) α

58-Ce-141

Radionuclide Production Cross Section

