

Program EVALPLOT
(Version 2021-1)

by

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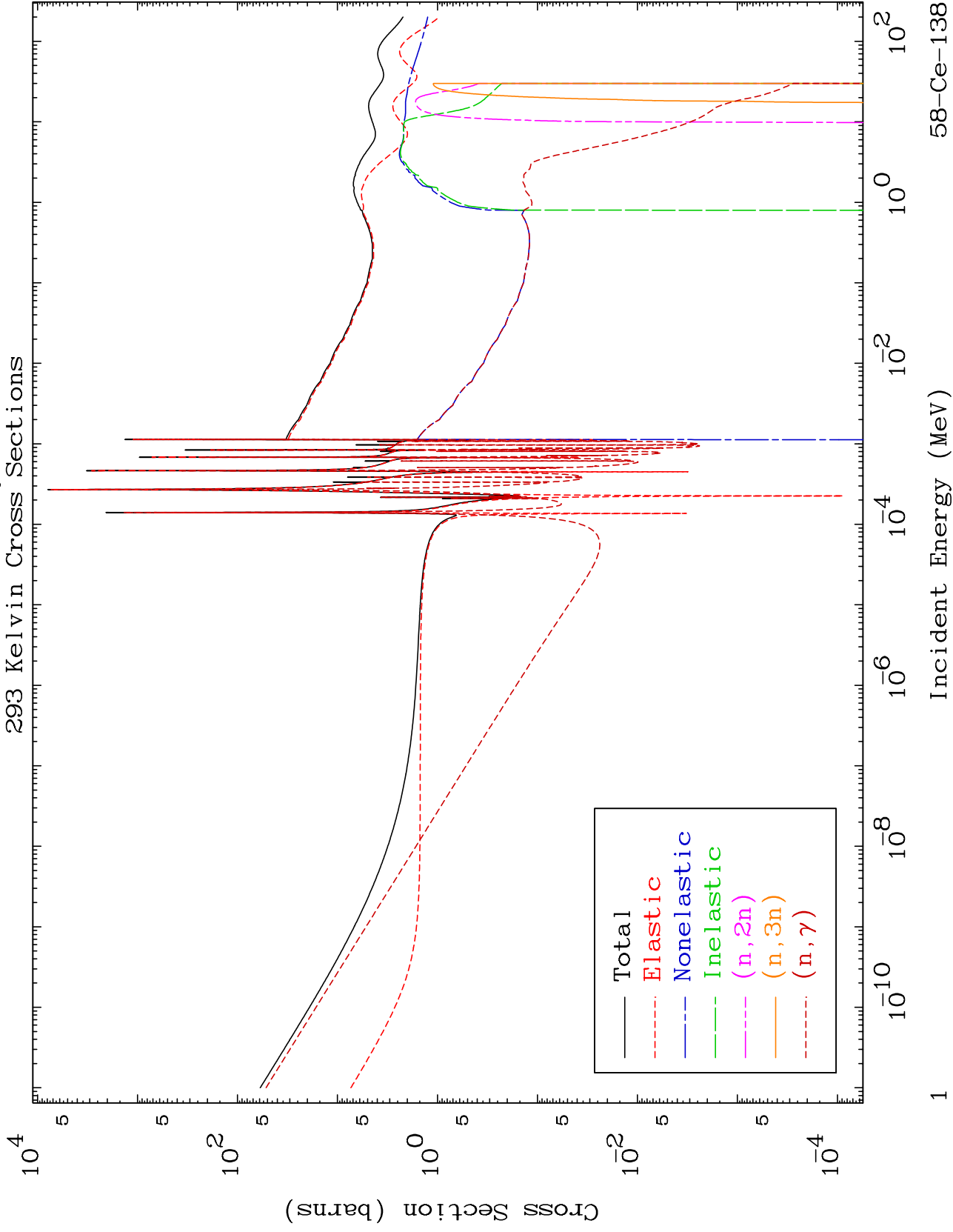
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Press Mouse Button to Start

MAT 5831

Neutron Major
293 Kelvin Cross Sections

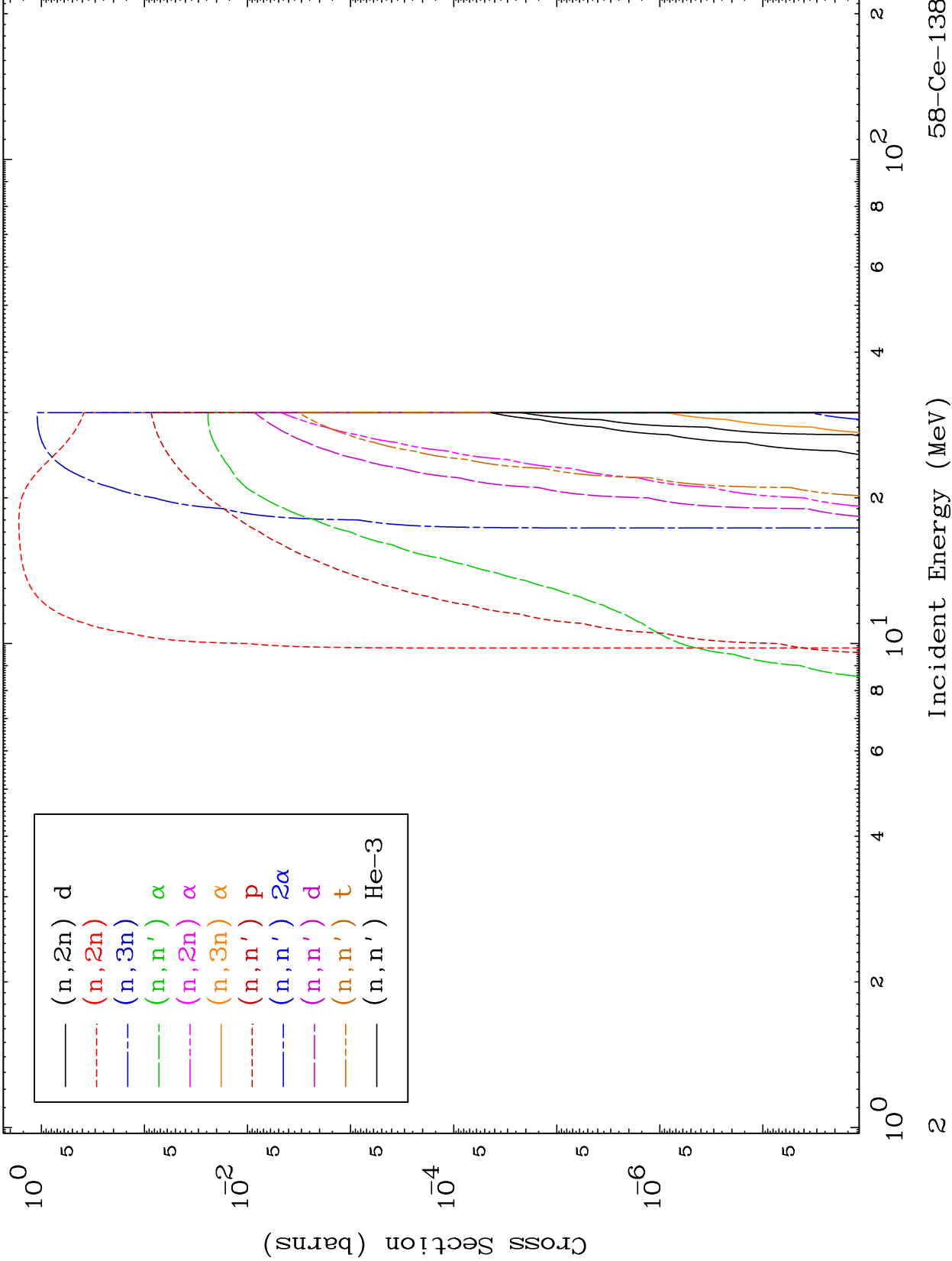
58-Ce-138



MAT 5831

Neutron Absorption
293 Kelvin Cross Sections

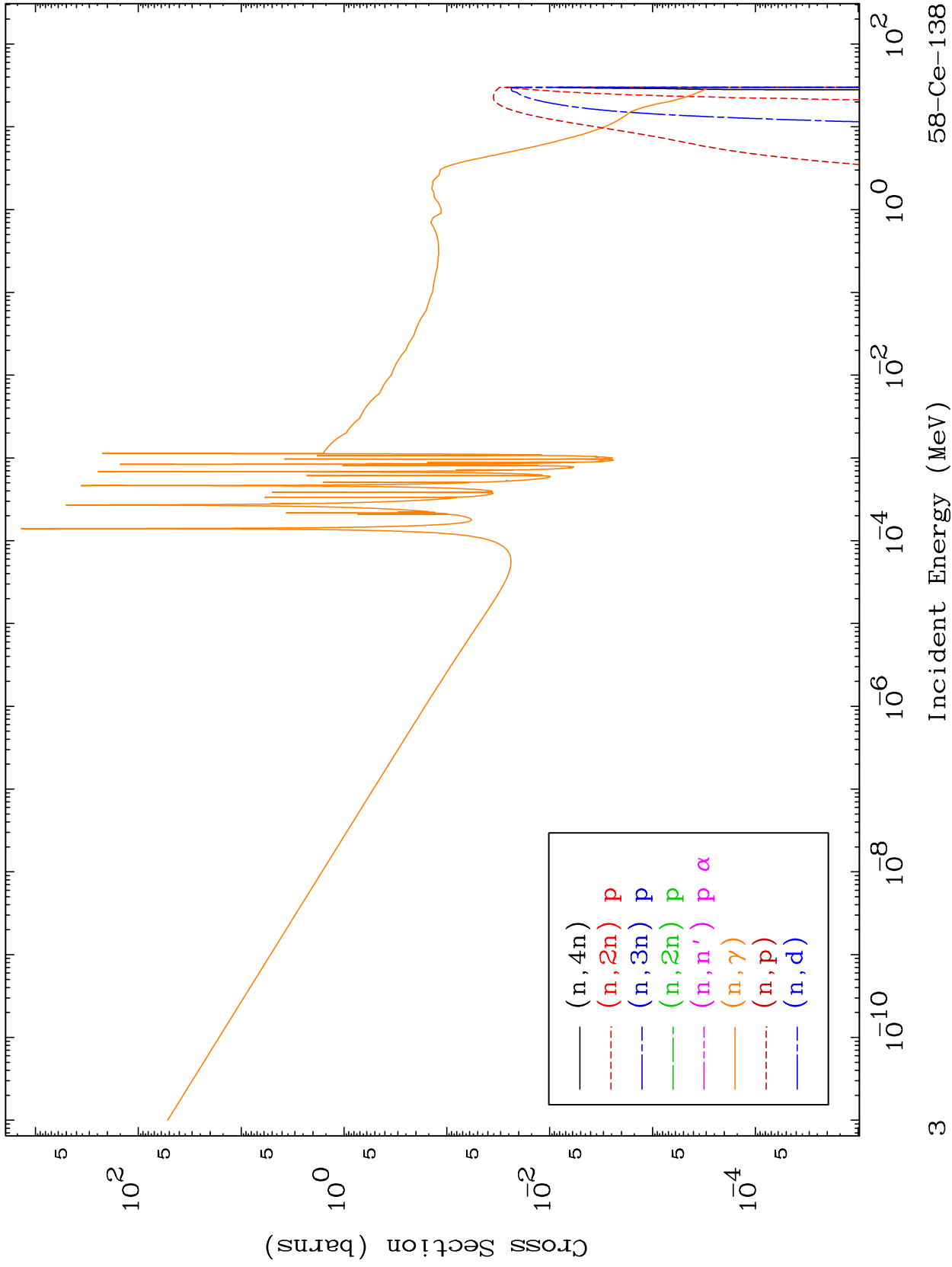
58-Ce-138



MAT 5831

Neutron Absorption
293 Kelvin Cross Sections

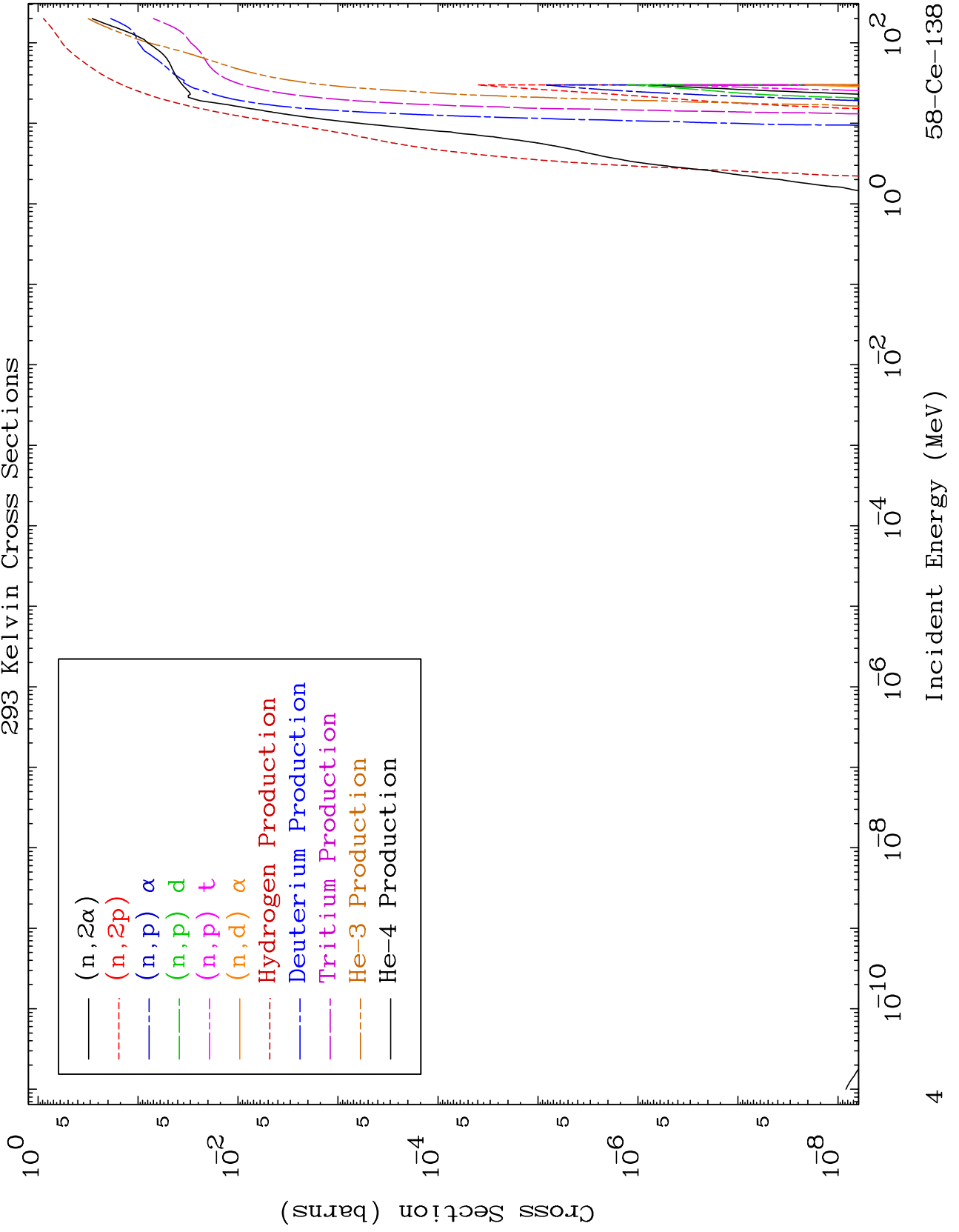
58-Ce-138

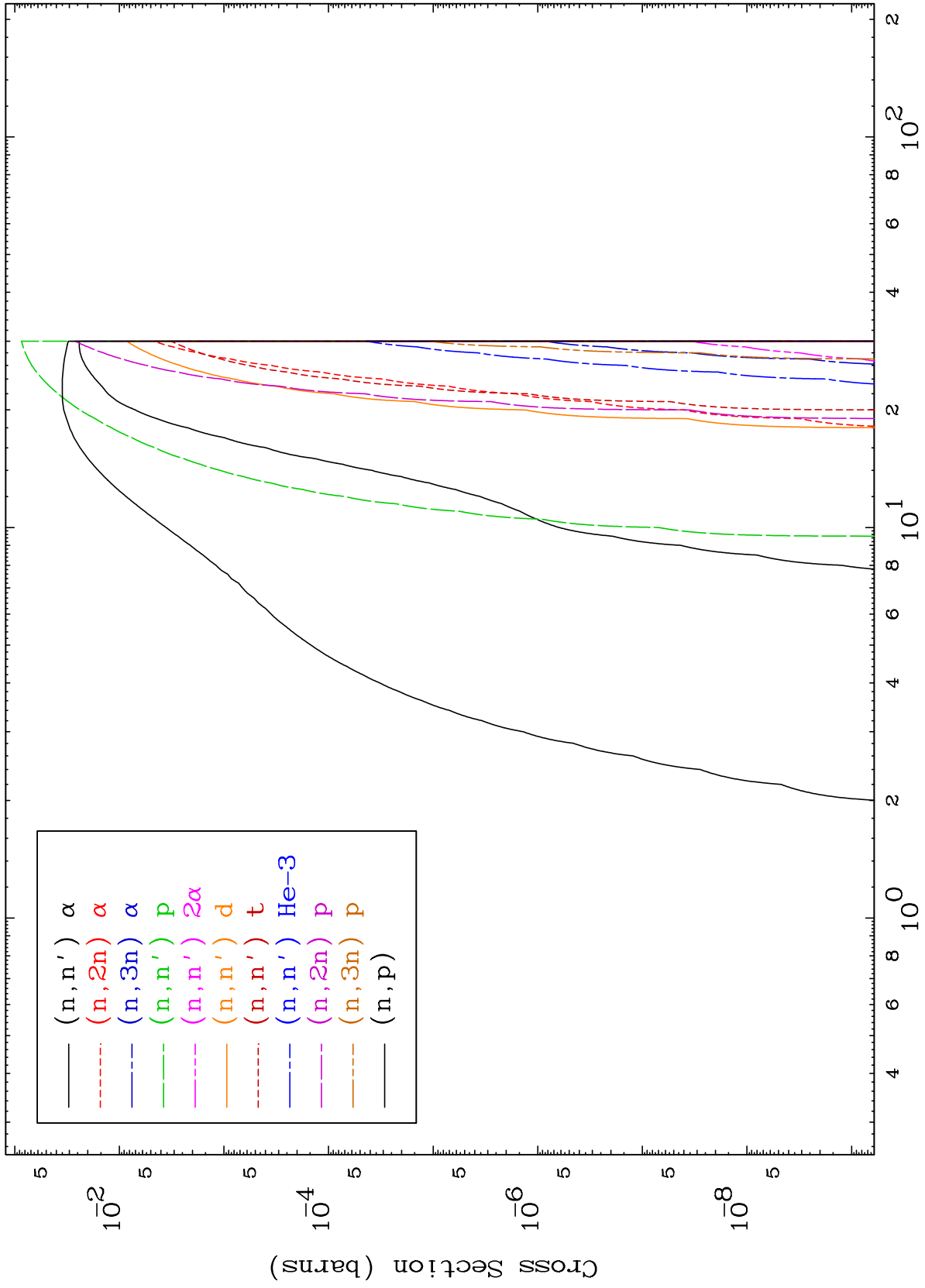


MAT 5831

Neutron Absorption
293 Kelvin Cross Sections

58-Ce-138

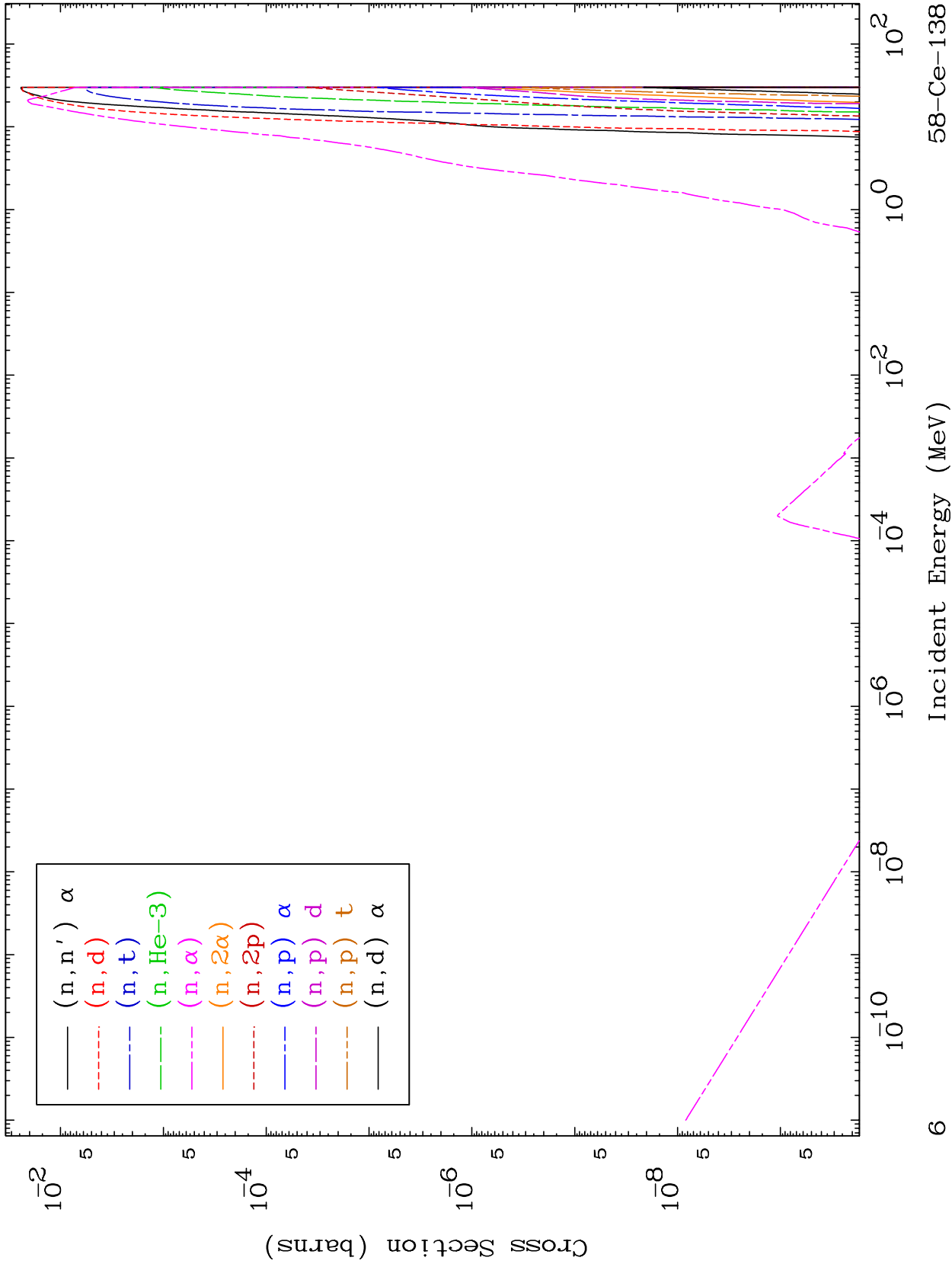




MAT 5831

Charged Particle
293 Kelvin Cross Sections

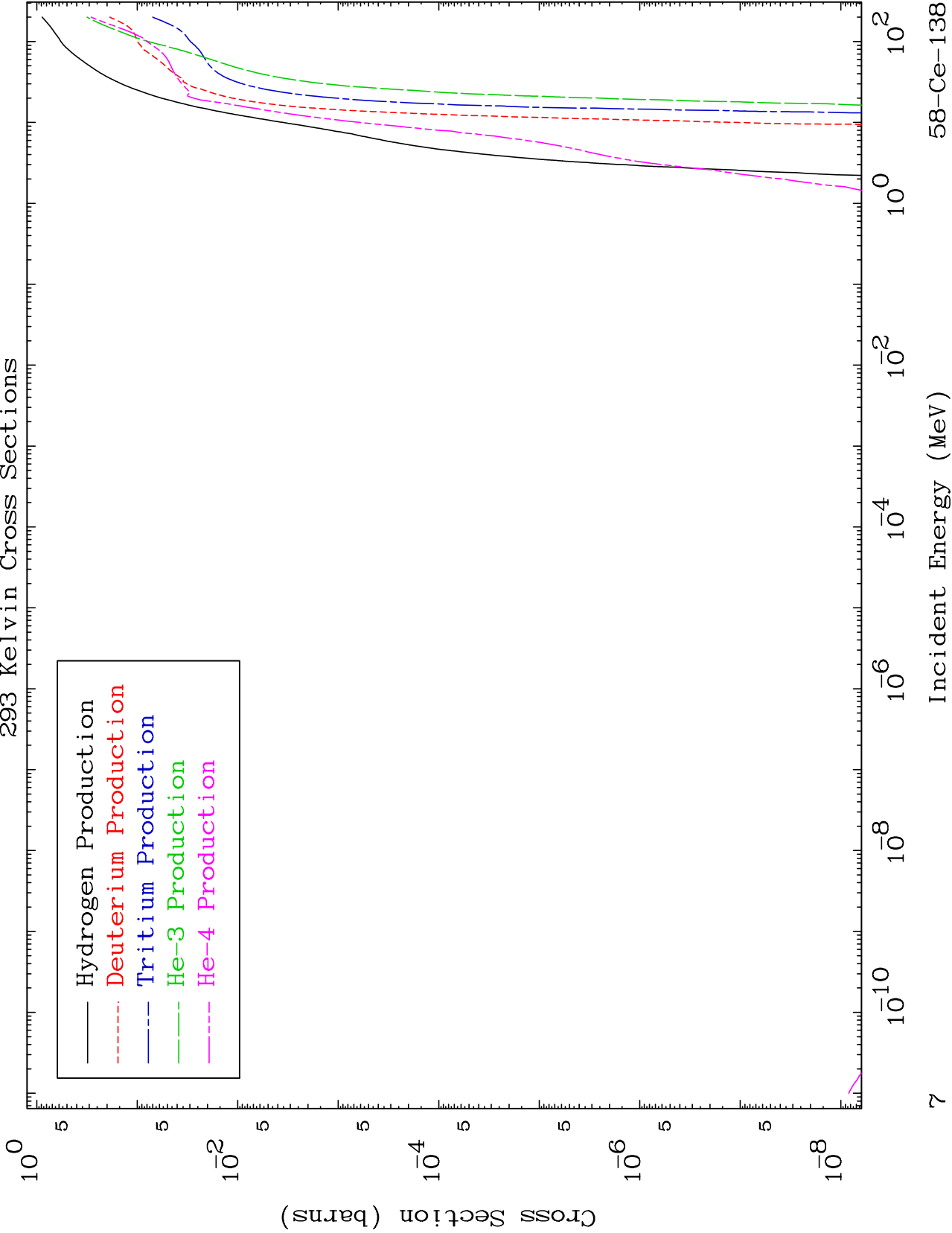
58-Ce-138



MAT 5831

Particle Production
293 Kelvin Cross Sections

58-Ce-138

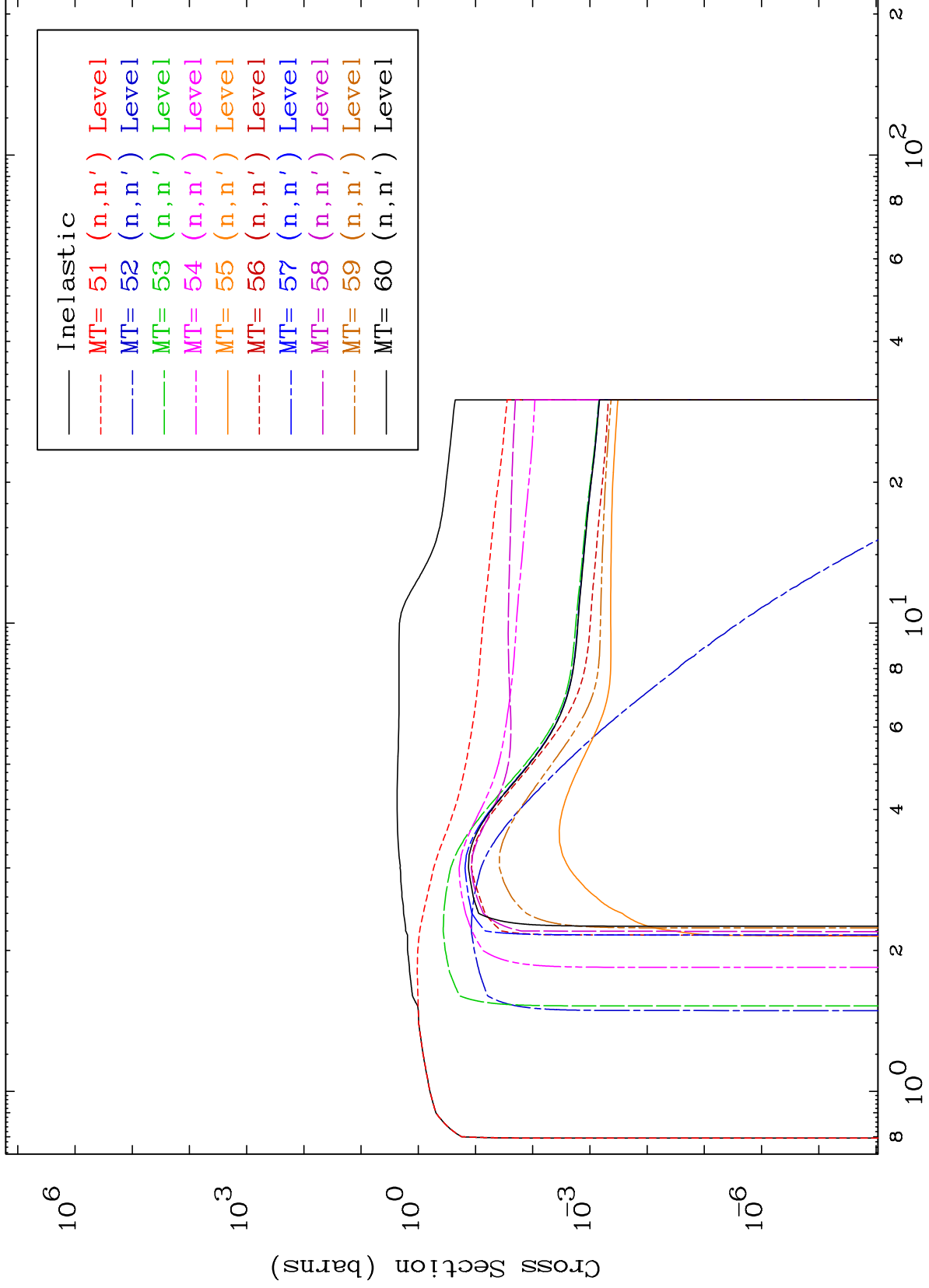


MAT 5831

(n,n') Levels

58-Ce-138

293 Kelvin Cross Sections



Incident Energy (MeV)

58-Ce-138

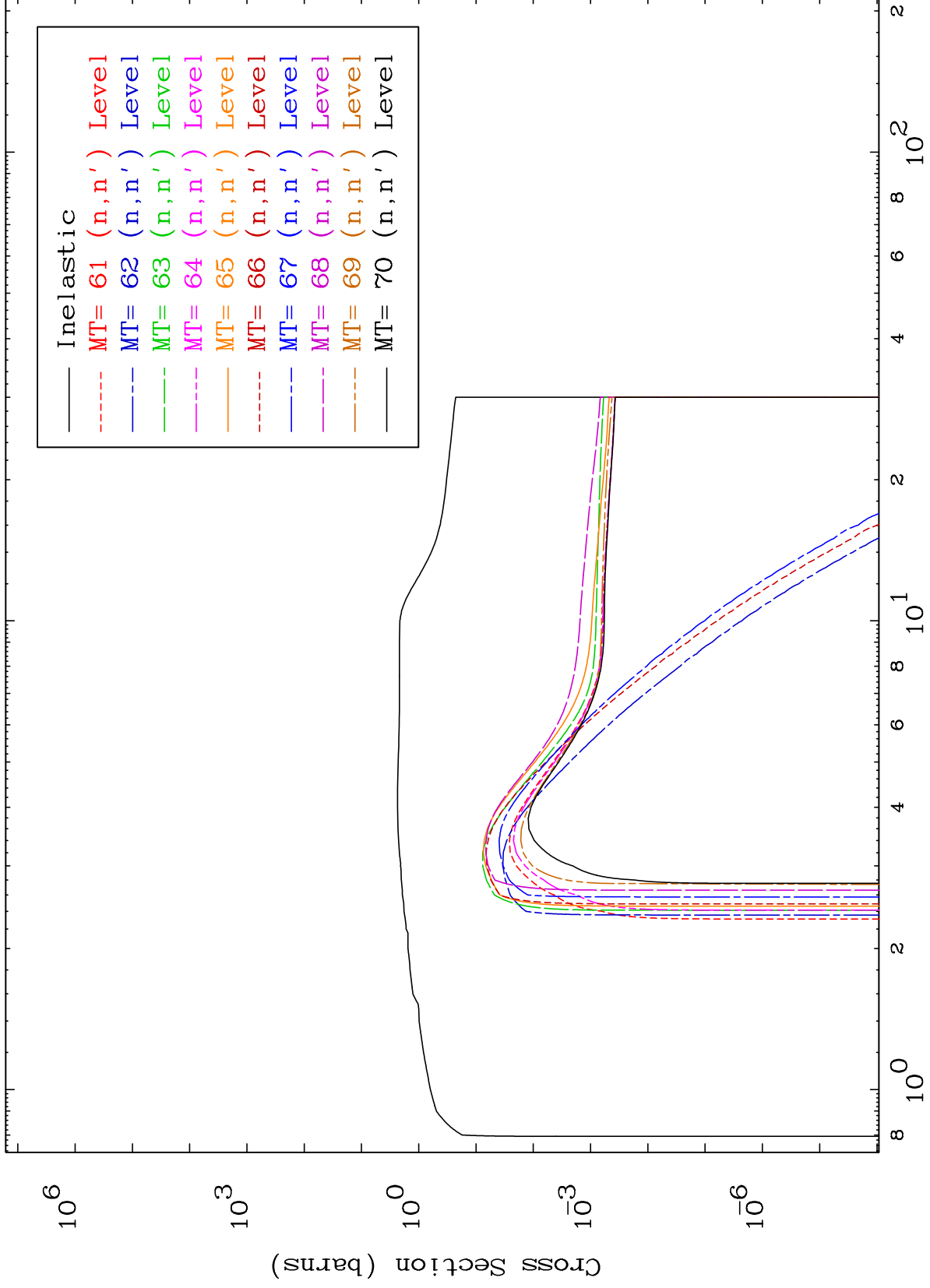
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MAT 5831

(n,n') Levels

58-Ce-138

293 Kelvin Cross Sections



9

Incident Energy (MeV)

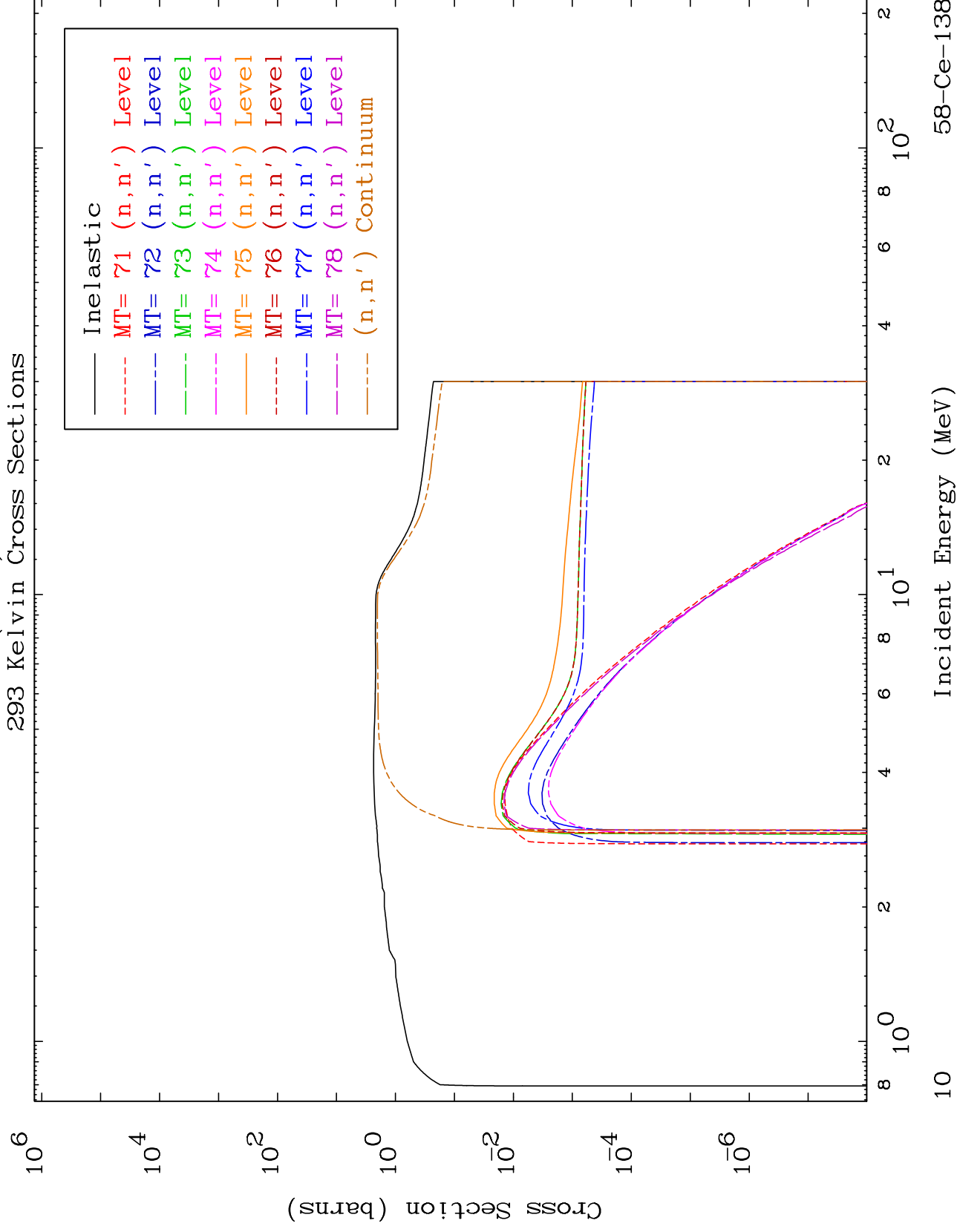
58-Ce-138

MAT 5831

(n,n') Levels

293 Kelvin Cross Sections

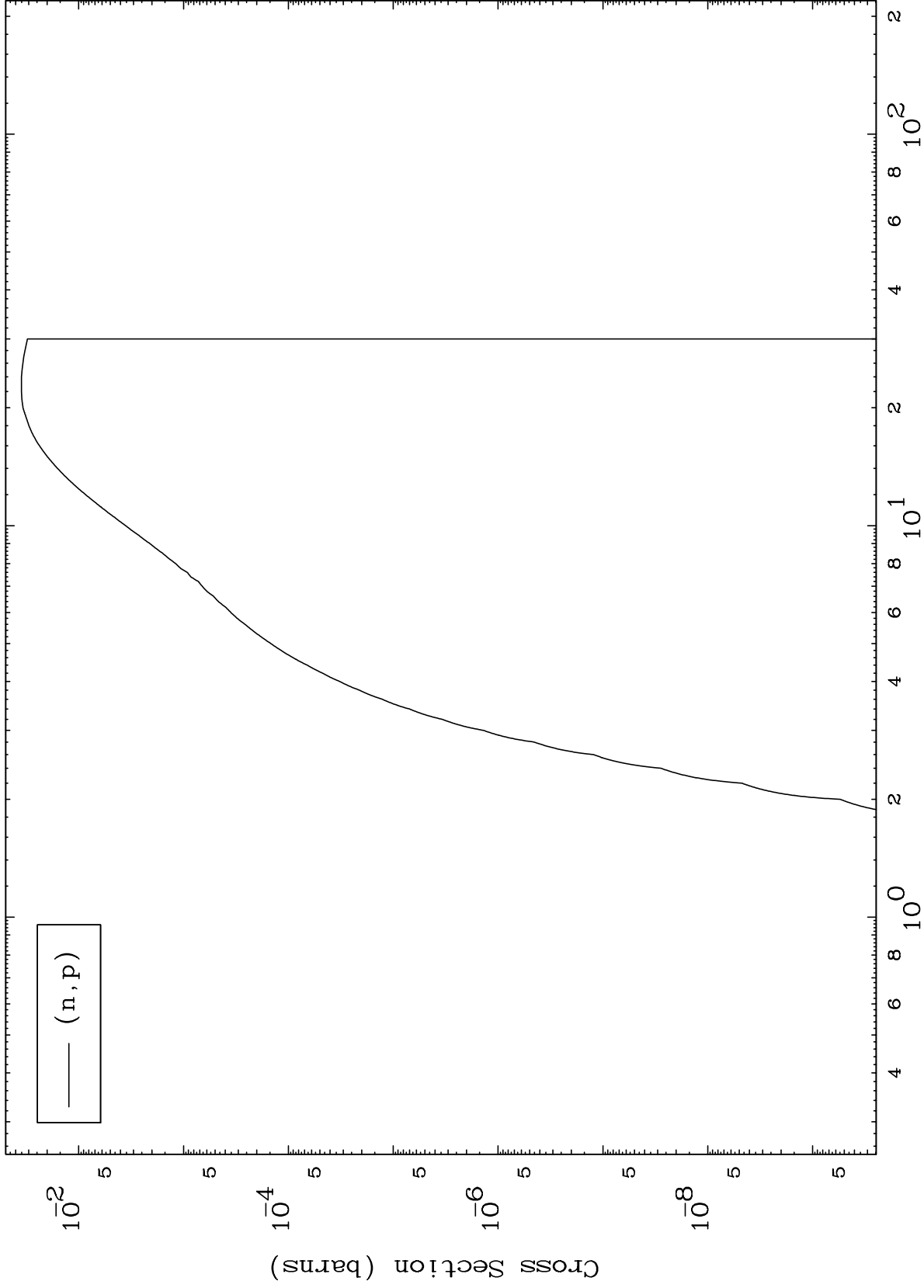
58-Ce-138



MAT 5831

(n,p) Levels
293 Kelvin Cross Sections

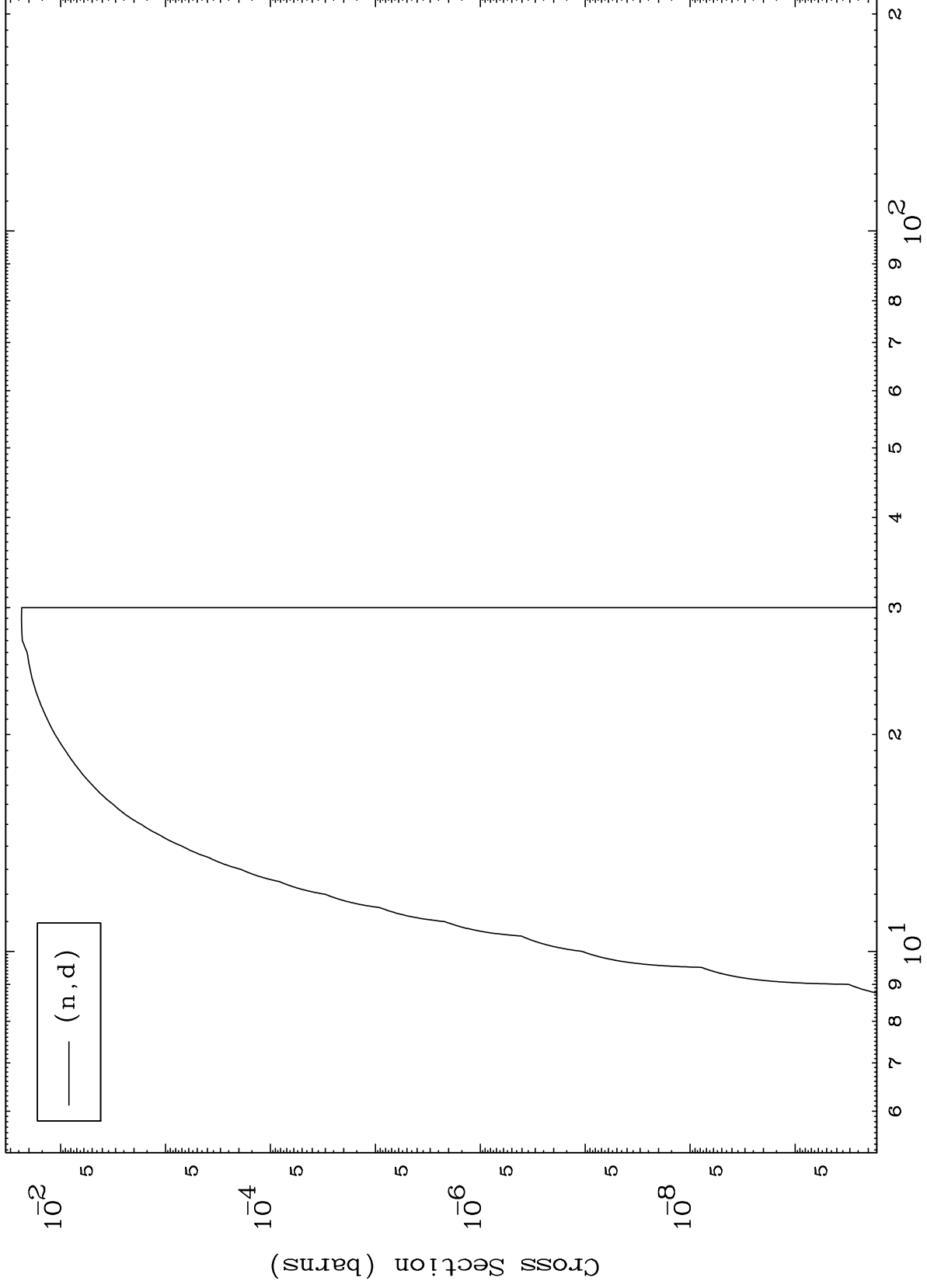
58-Ce-138



MAT 5831

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-138



12

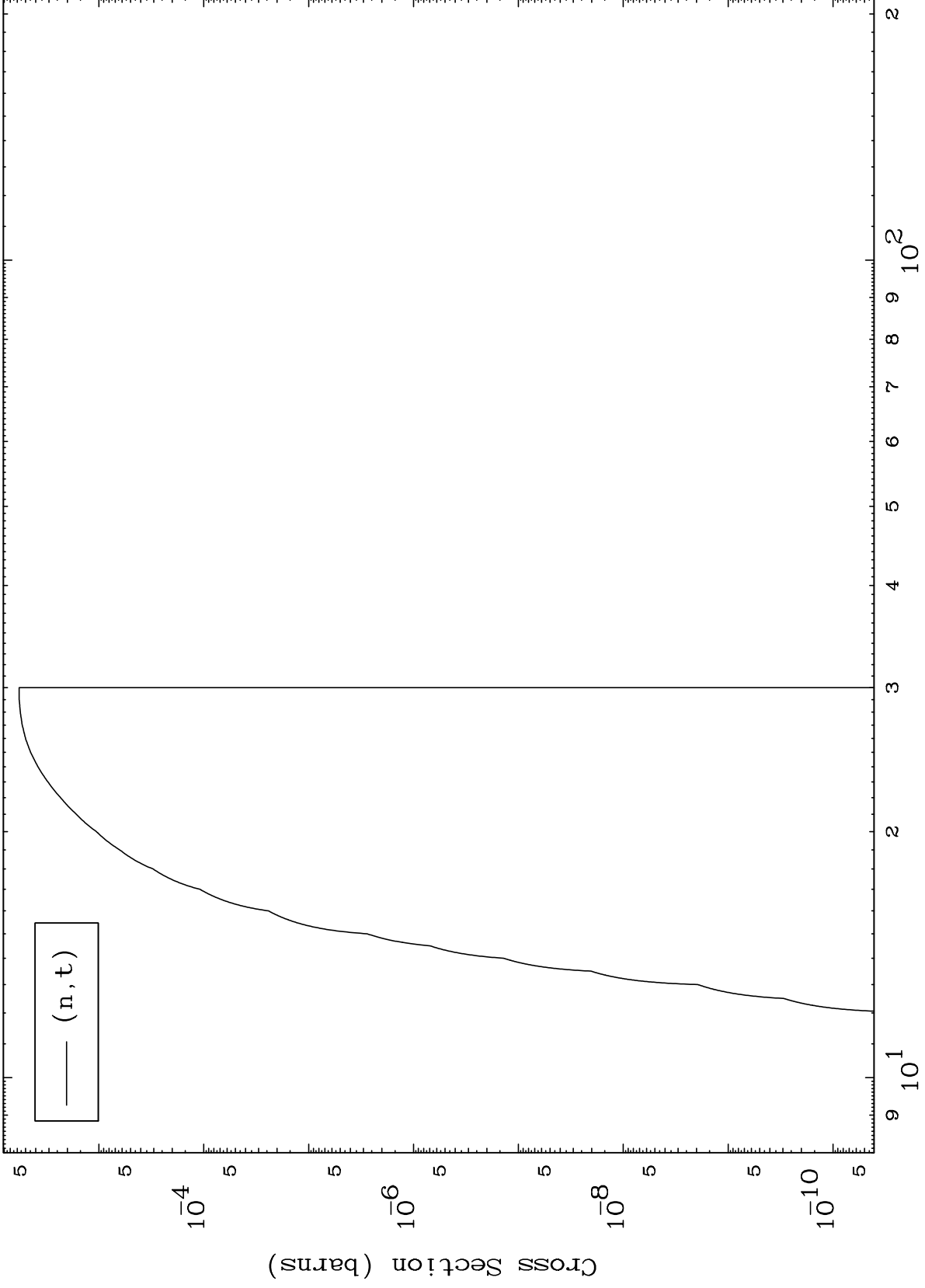
Incident Energy (MeV)

58-Ce-138

MAT 5831

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-138



13

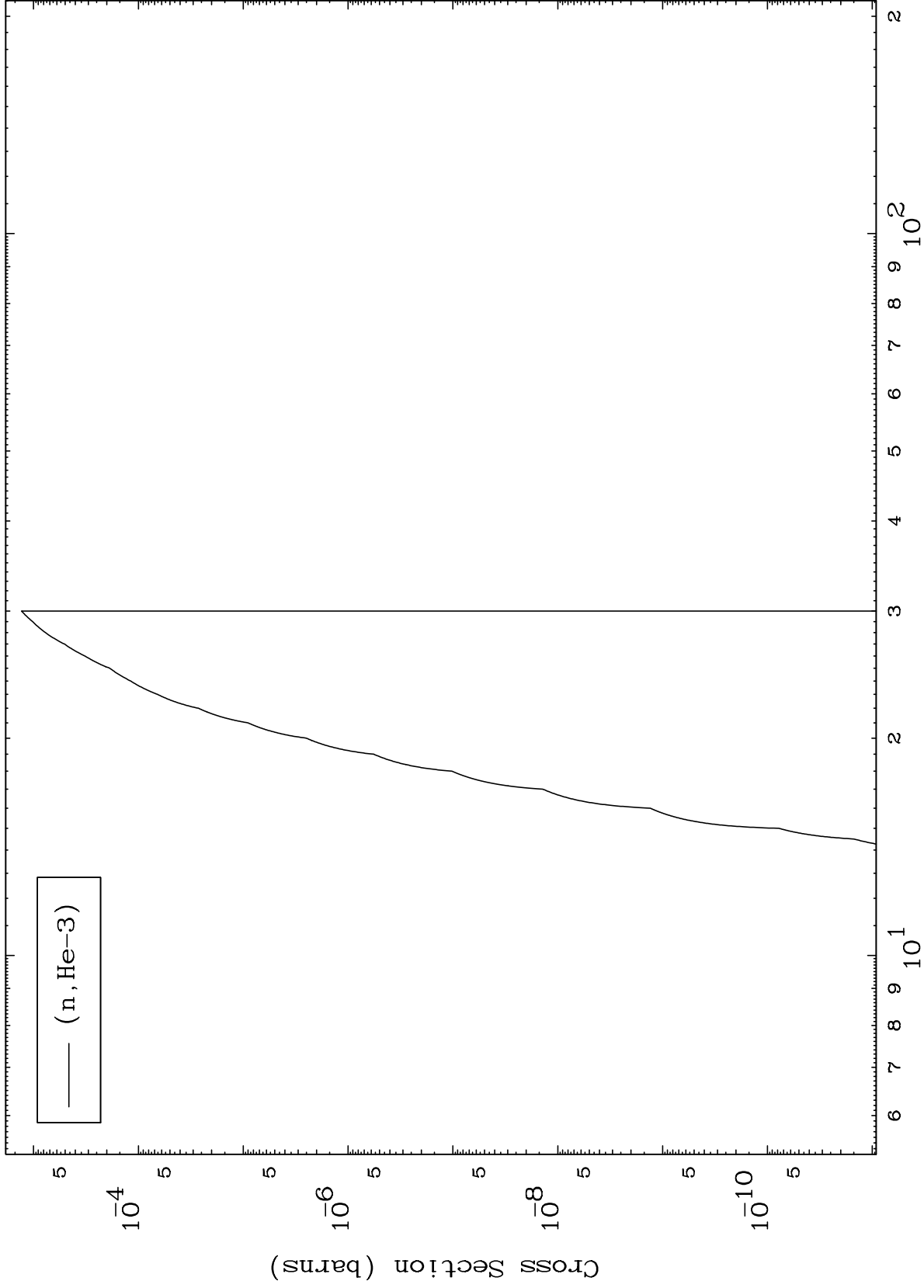
Incident Energy (MeV)

58-Ce-138

MAT 5831

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-138



14

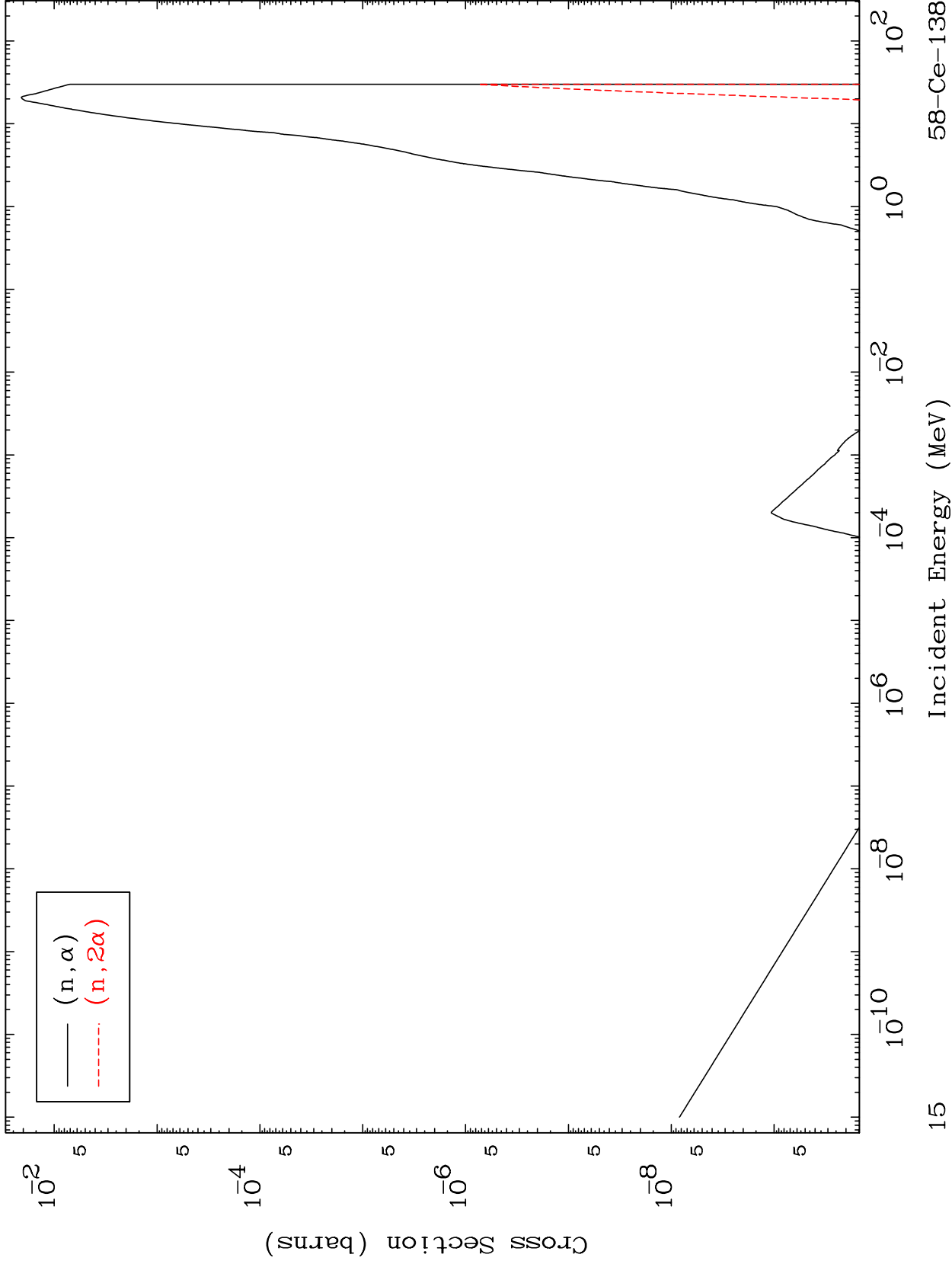
Incident Energy (MeV)

58-Ce-138

MAT 5831

(n, α) Levels
293 Kelvin Cross Sections

58-Ce-138

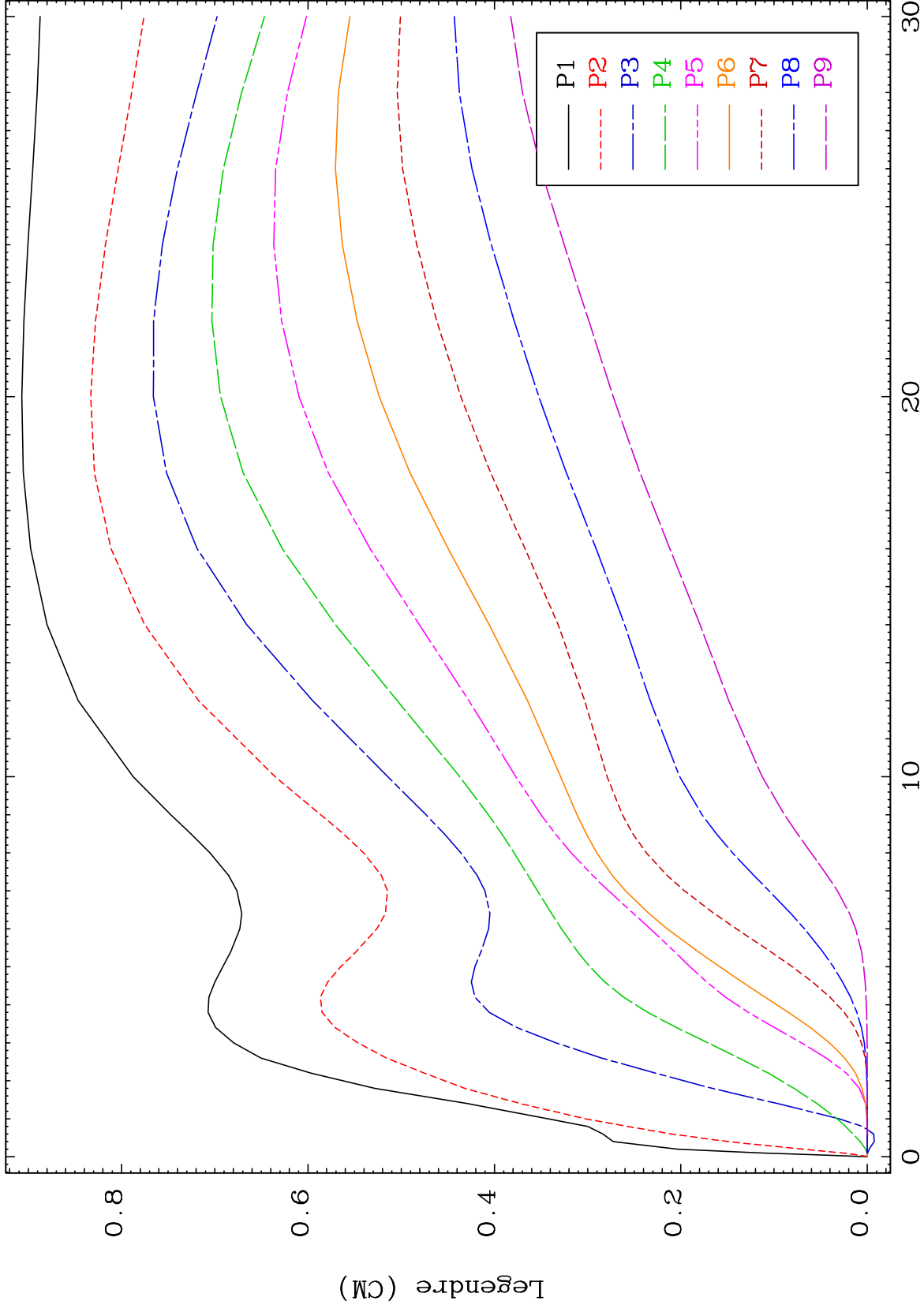


15

MAT 5831

Elastic Legendre Coefficients

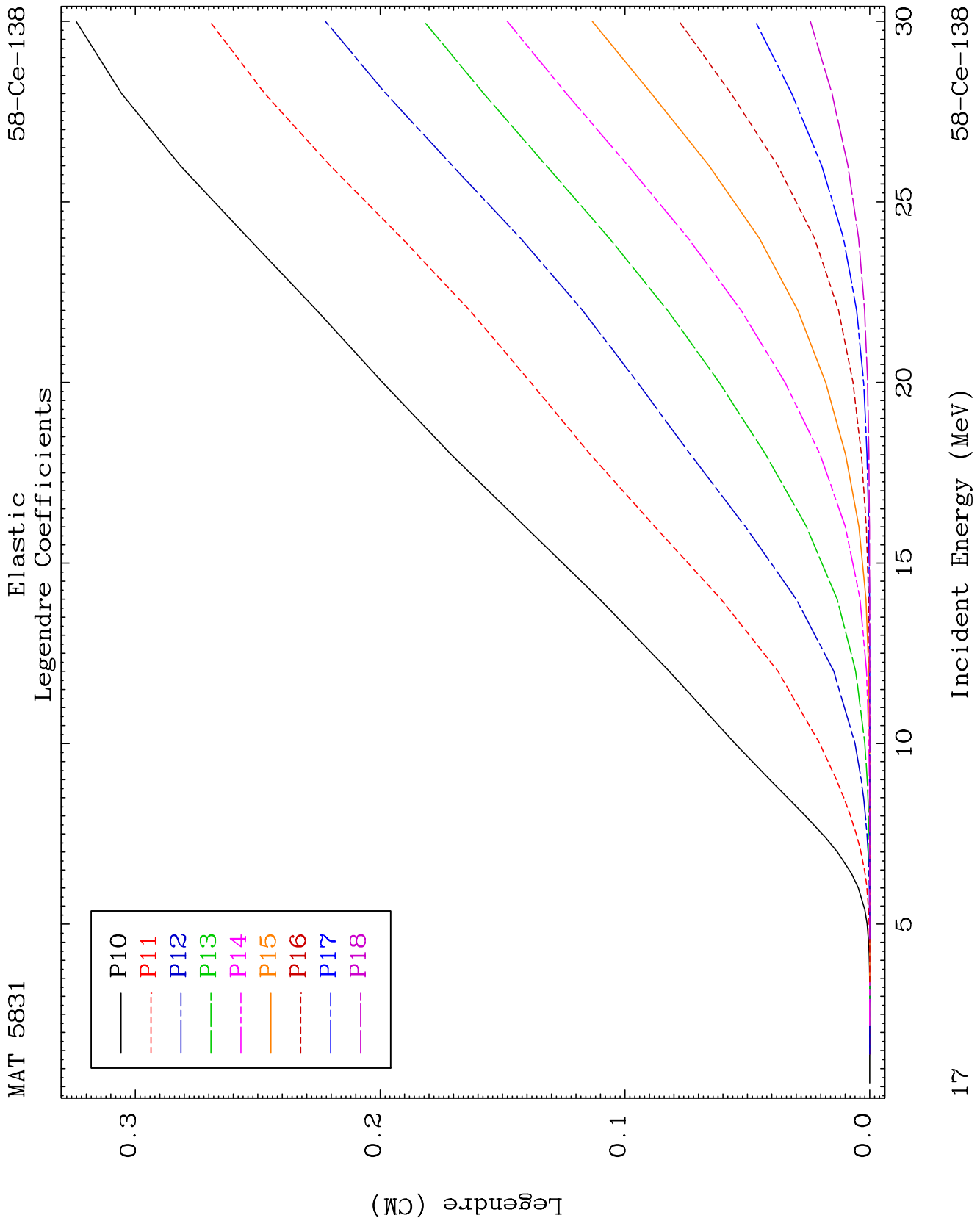
58-Ce-138



16

Incident Energy (MeV)

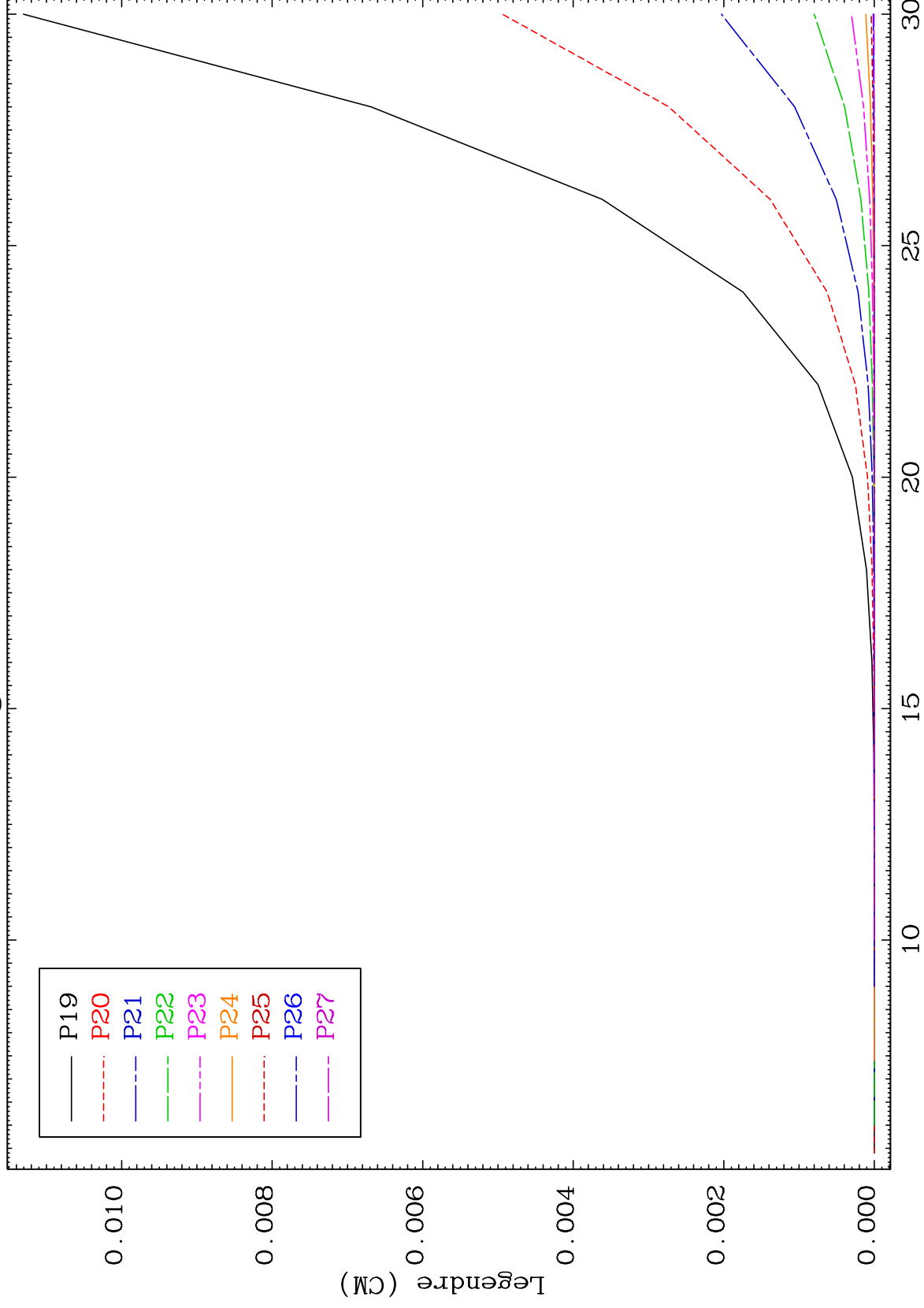
58-Ce-138



MAT 5831

Elastic Legendre Coefficients

58-Ce-138



18

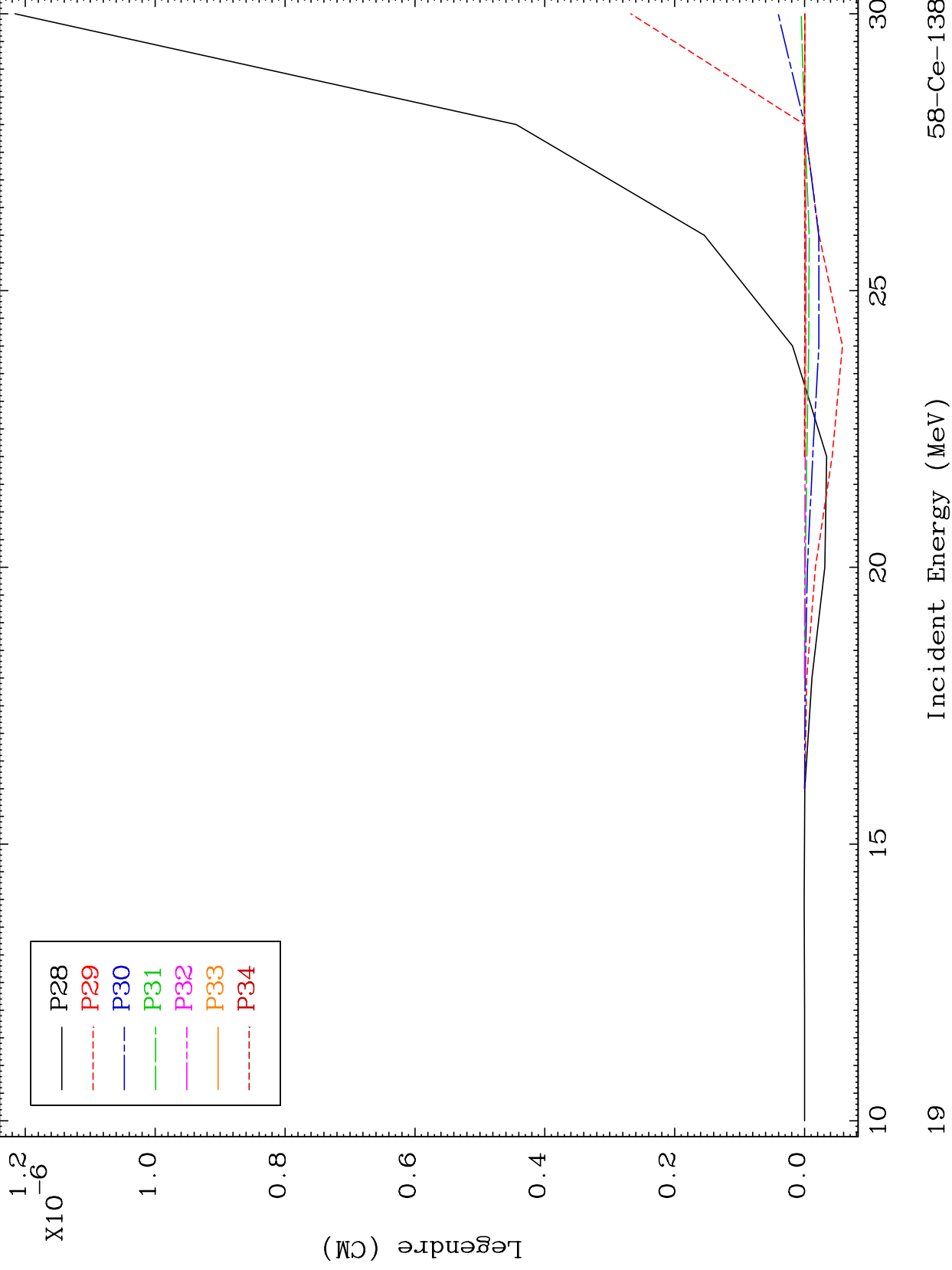
Incident Energy (MeV)

58-Ce-138

MAT 5831

Elastic
Legendre Coefficients

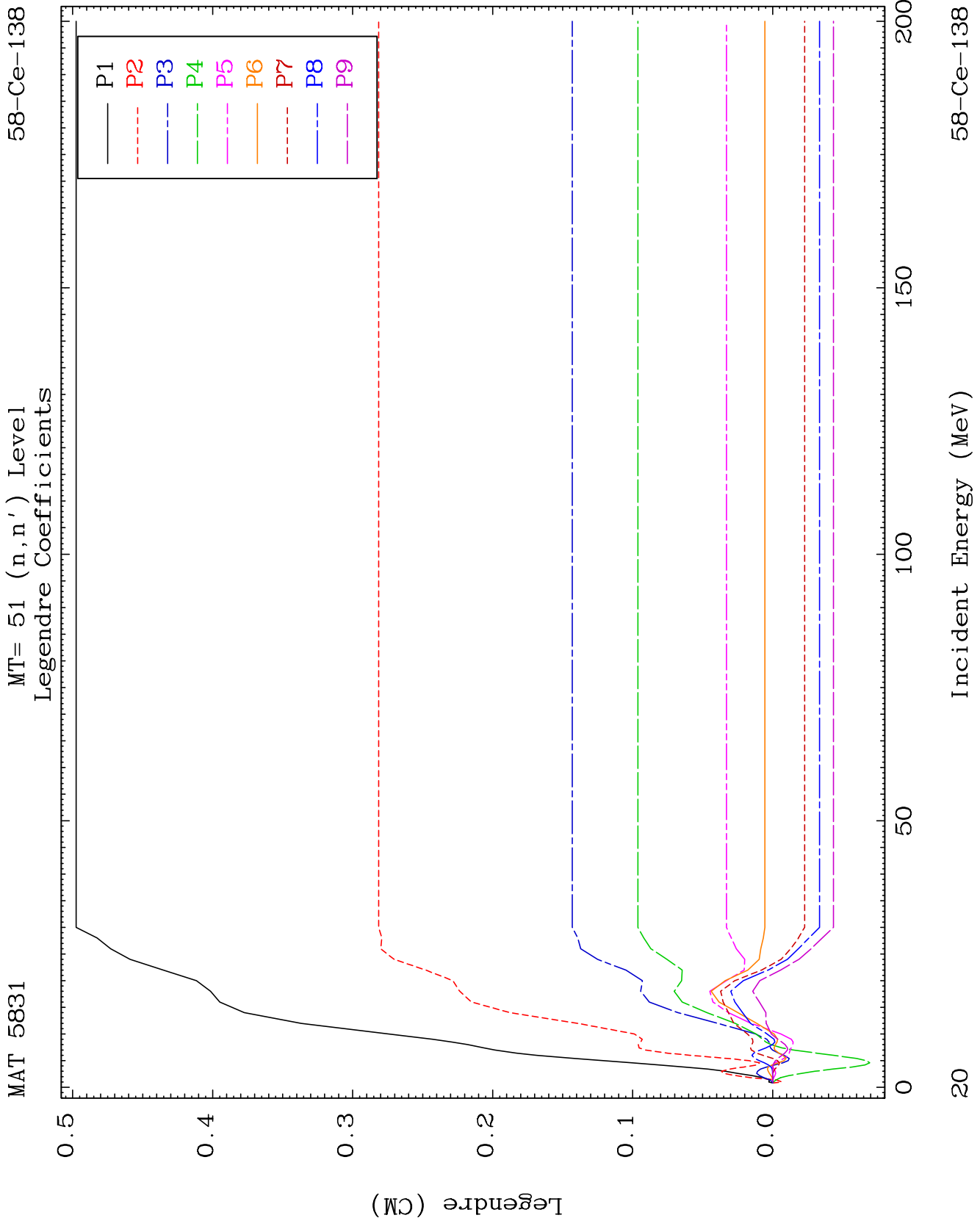
58-Ce-138



19

Incident Energy (MeV)

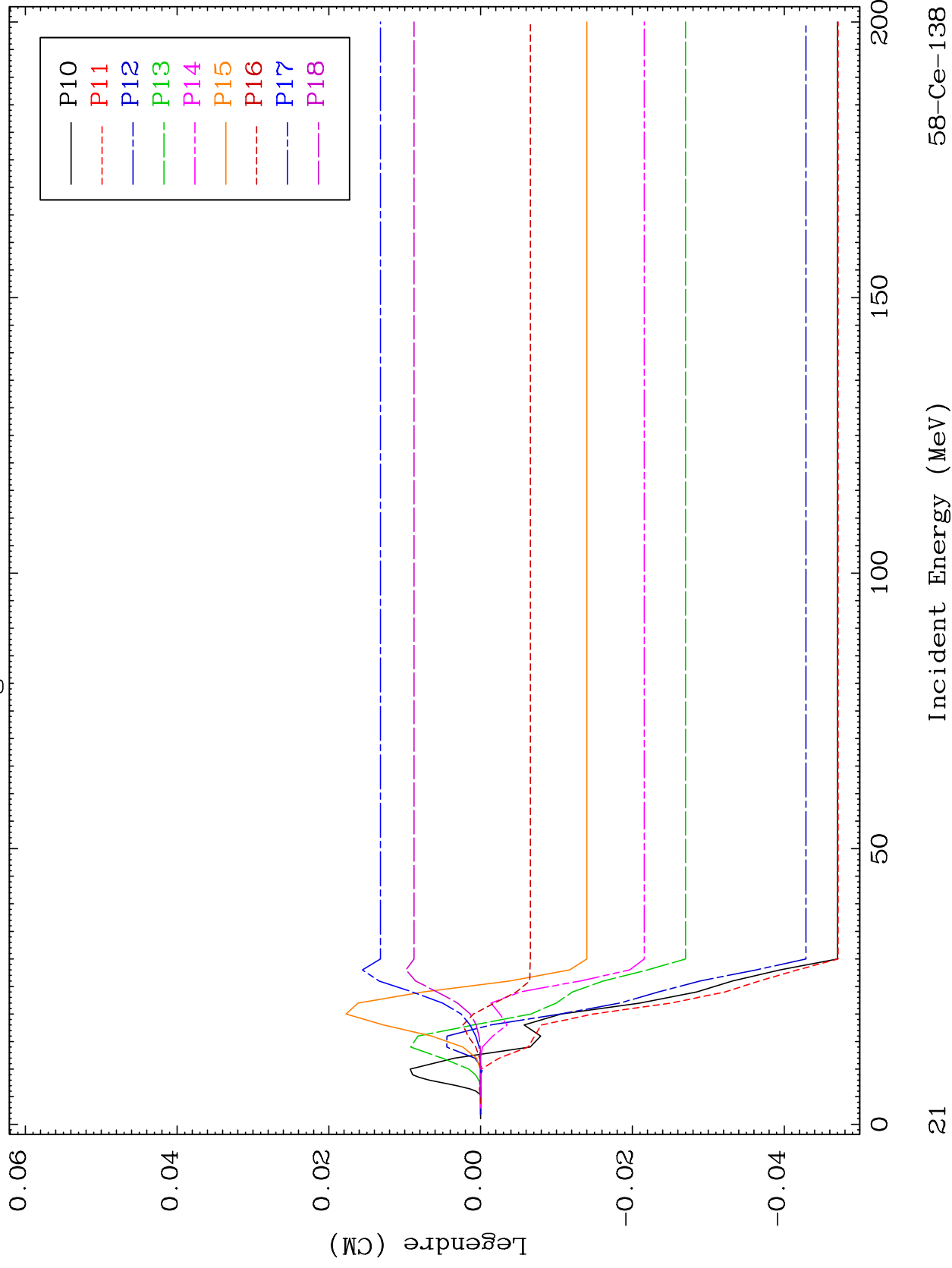
58-Ce-138



MAT 5831

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

58-Ce-138



58-Ce-138

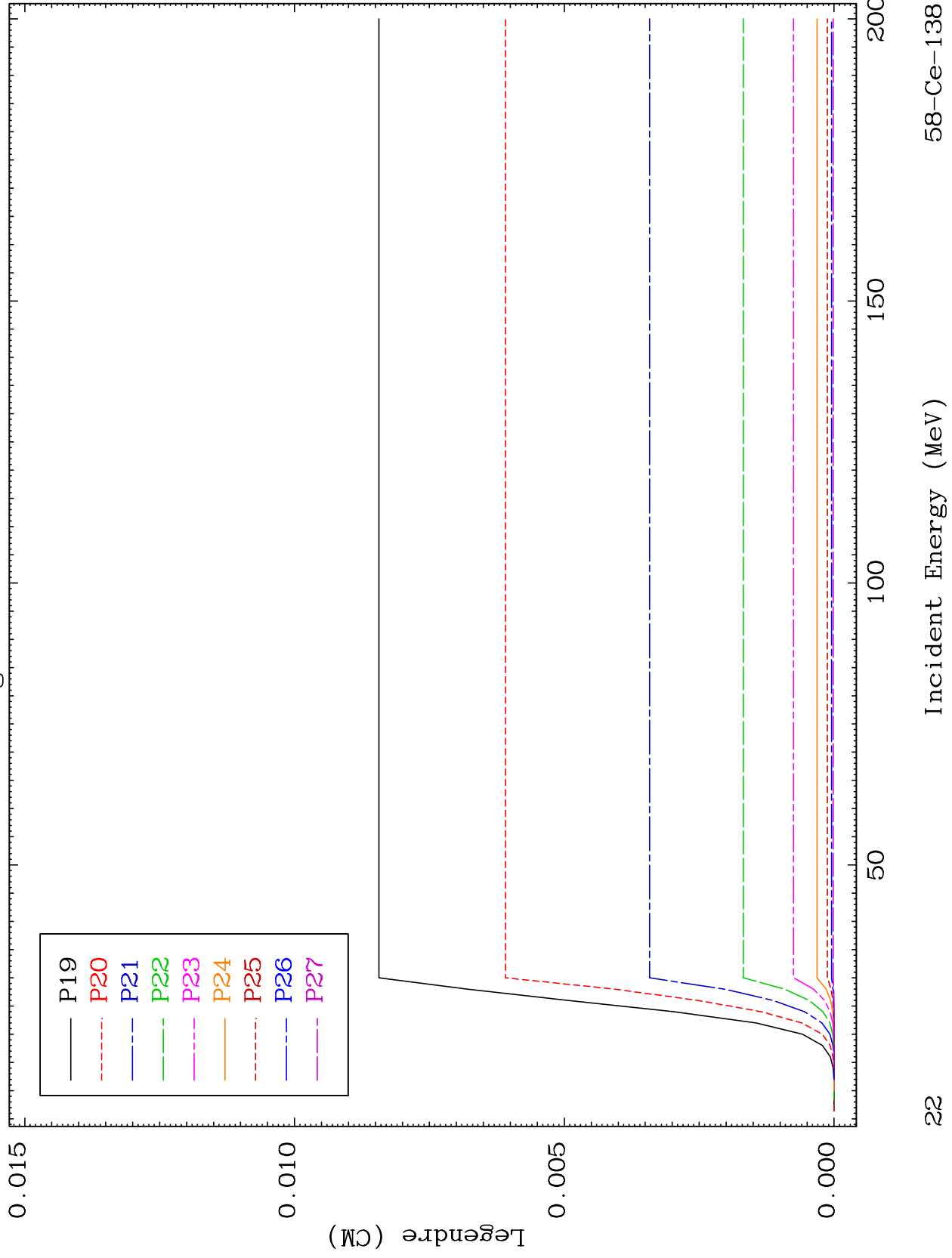
Incident Energy (MeV)

21

MAT 5831

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

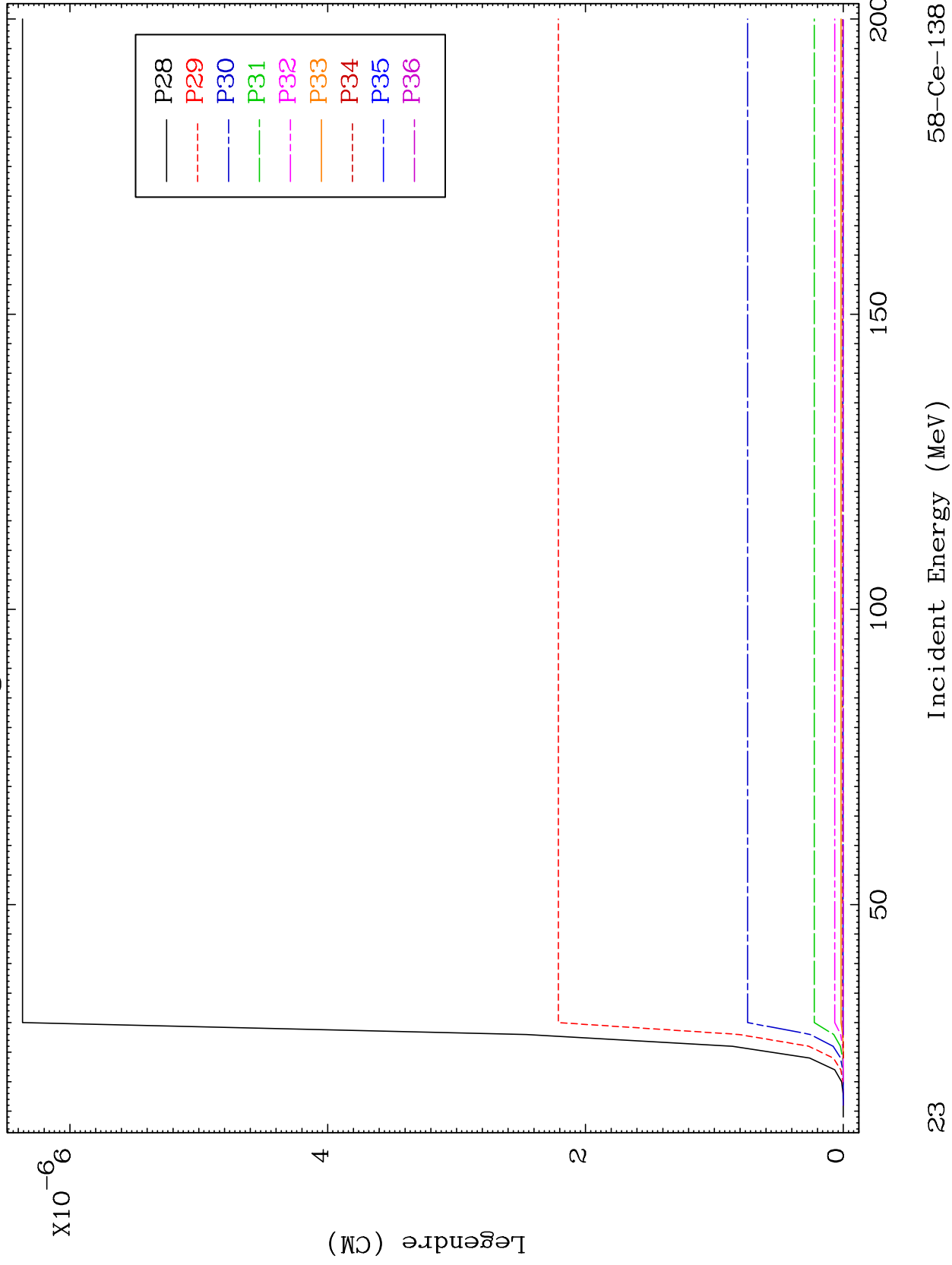
58-Ce-138



MAT 5831

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

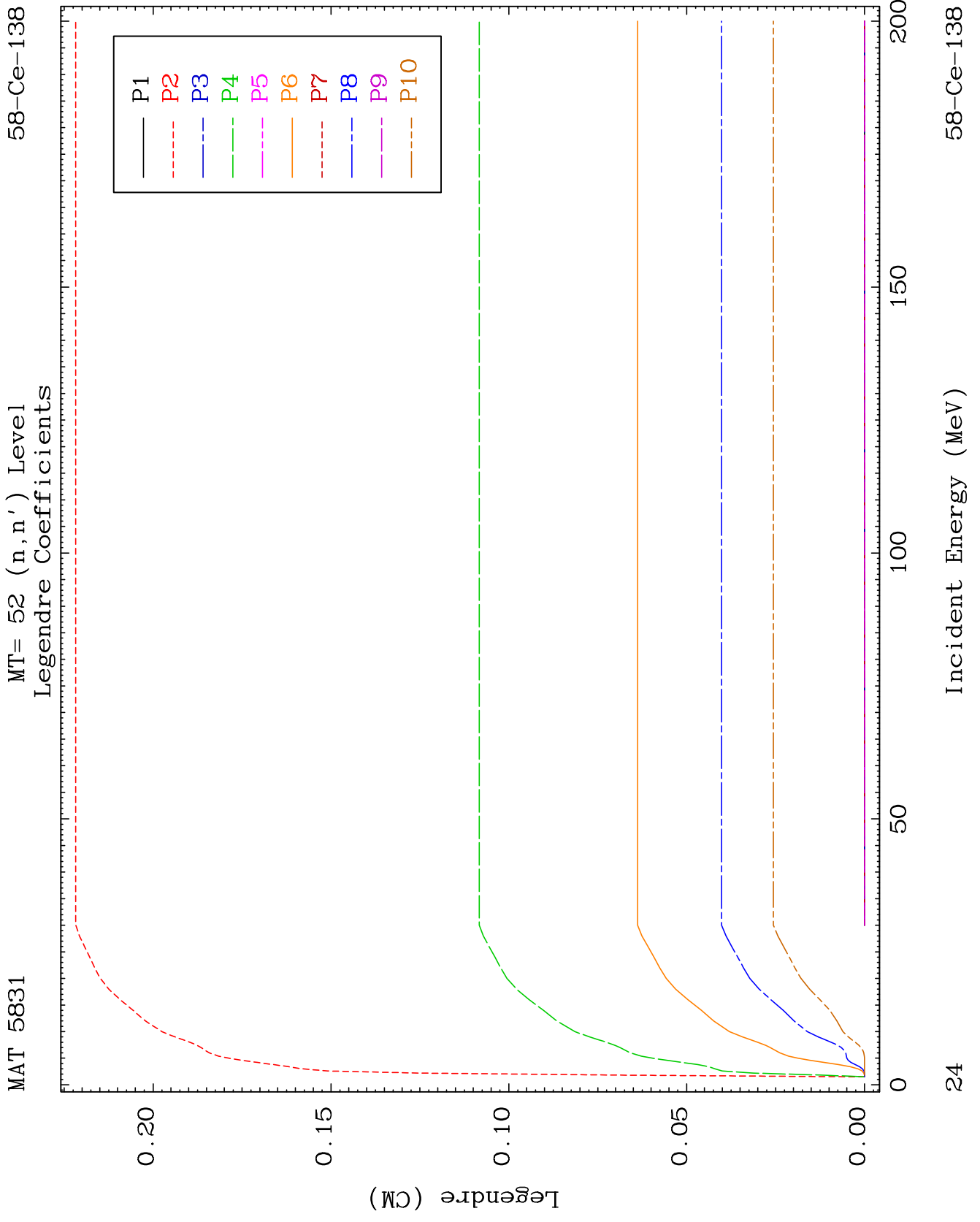
58-Ce-138

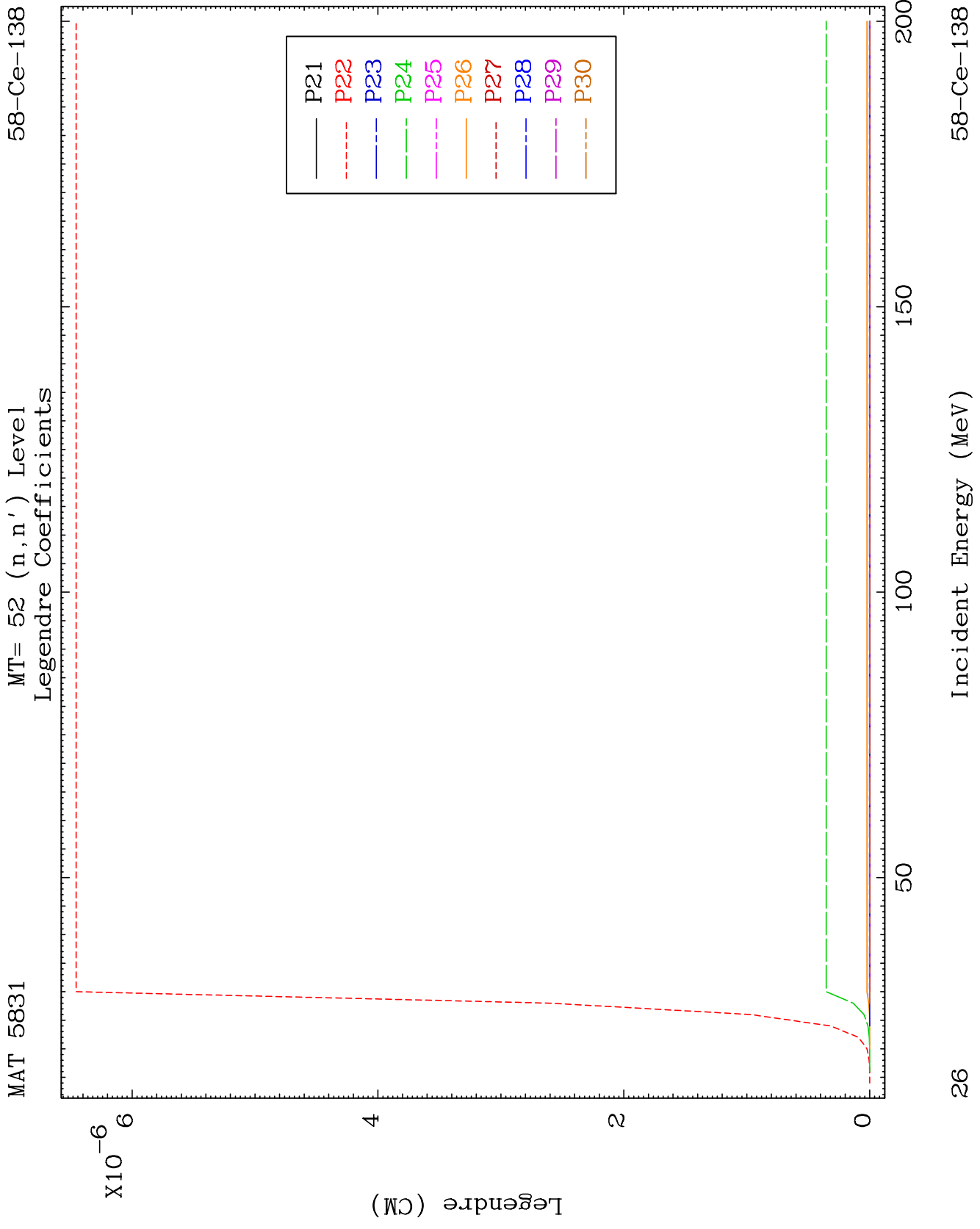


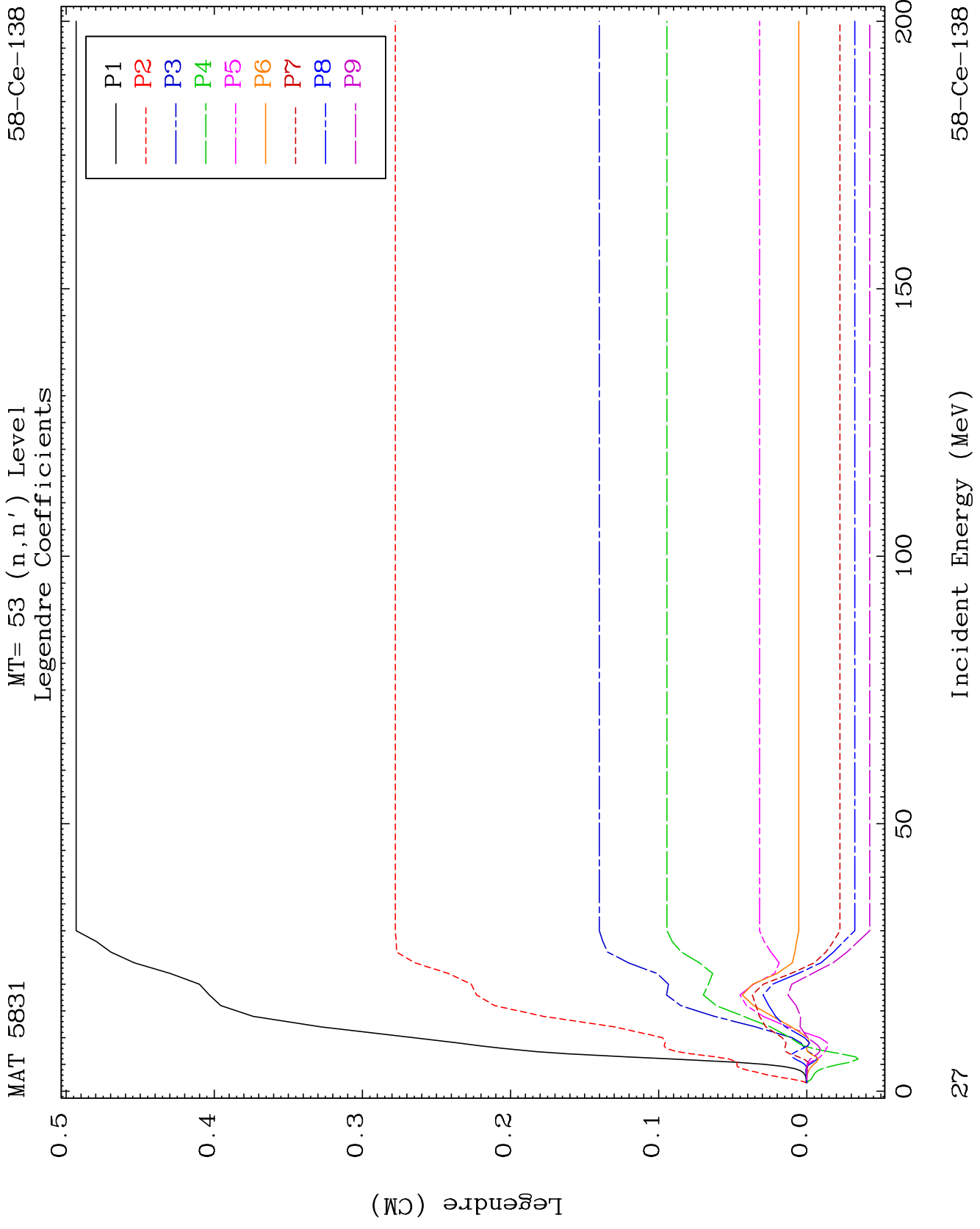
23

Incident Energy (MeV)

58-Ce-138



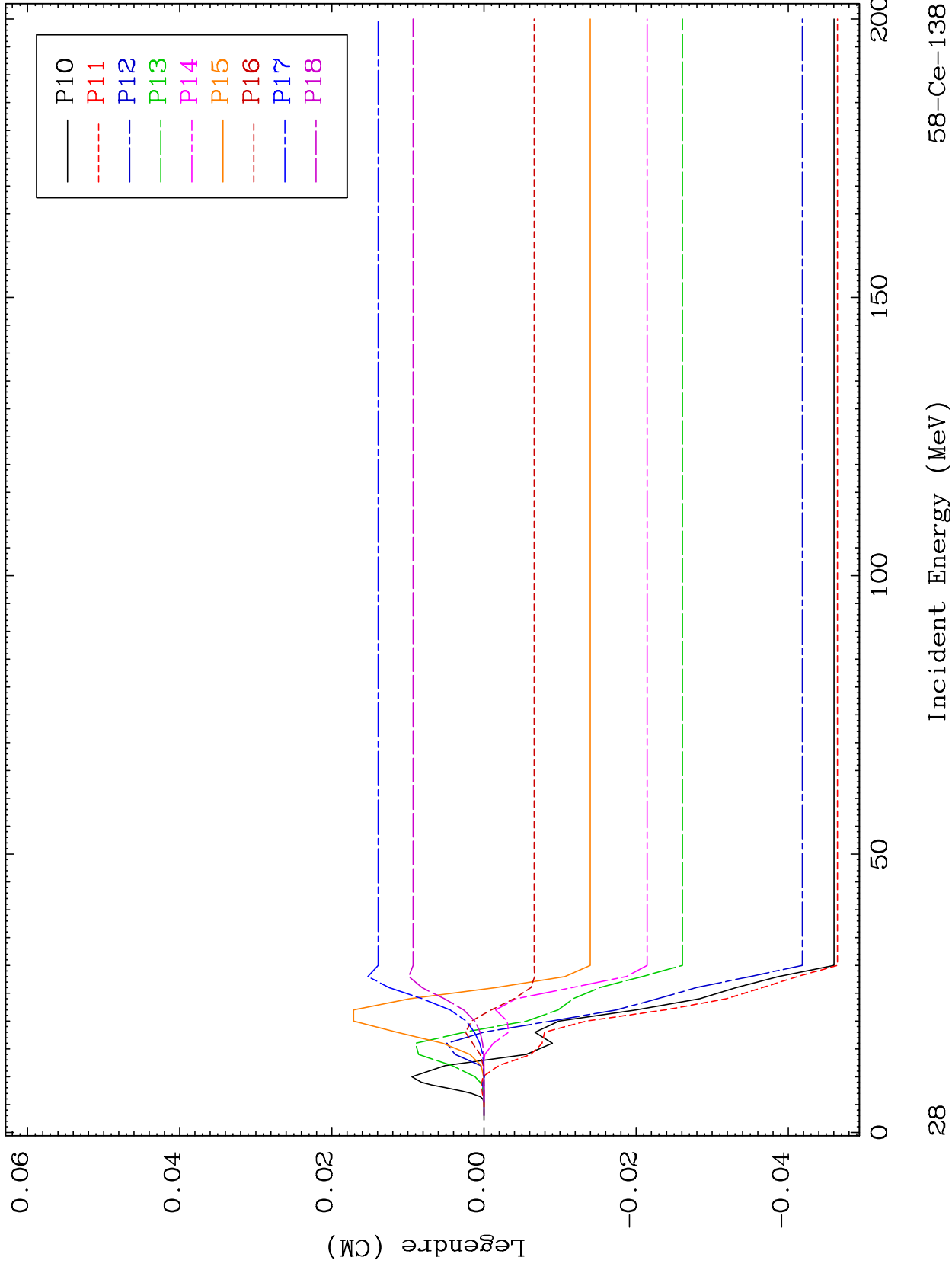




MAT 5831

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

58-Ce-138



58-Ce-138

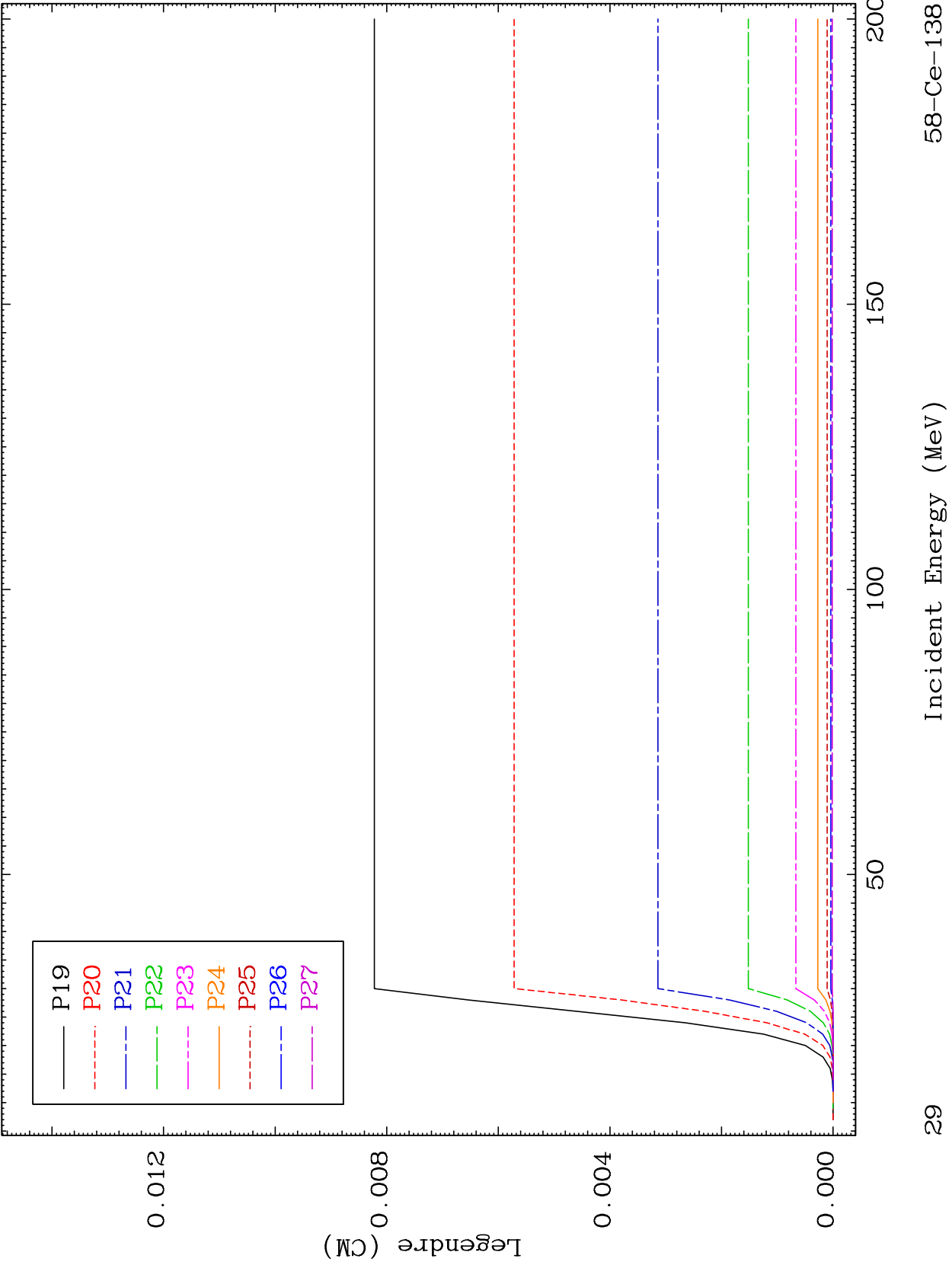
Incident Energy (MeV)

28

MAT 5831

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

58-Ce-138



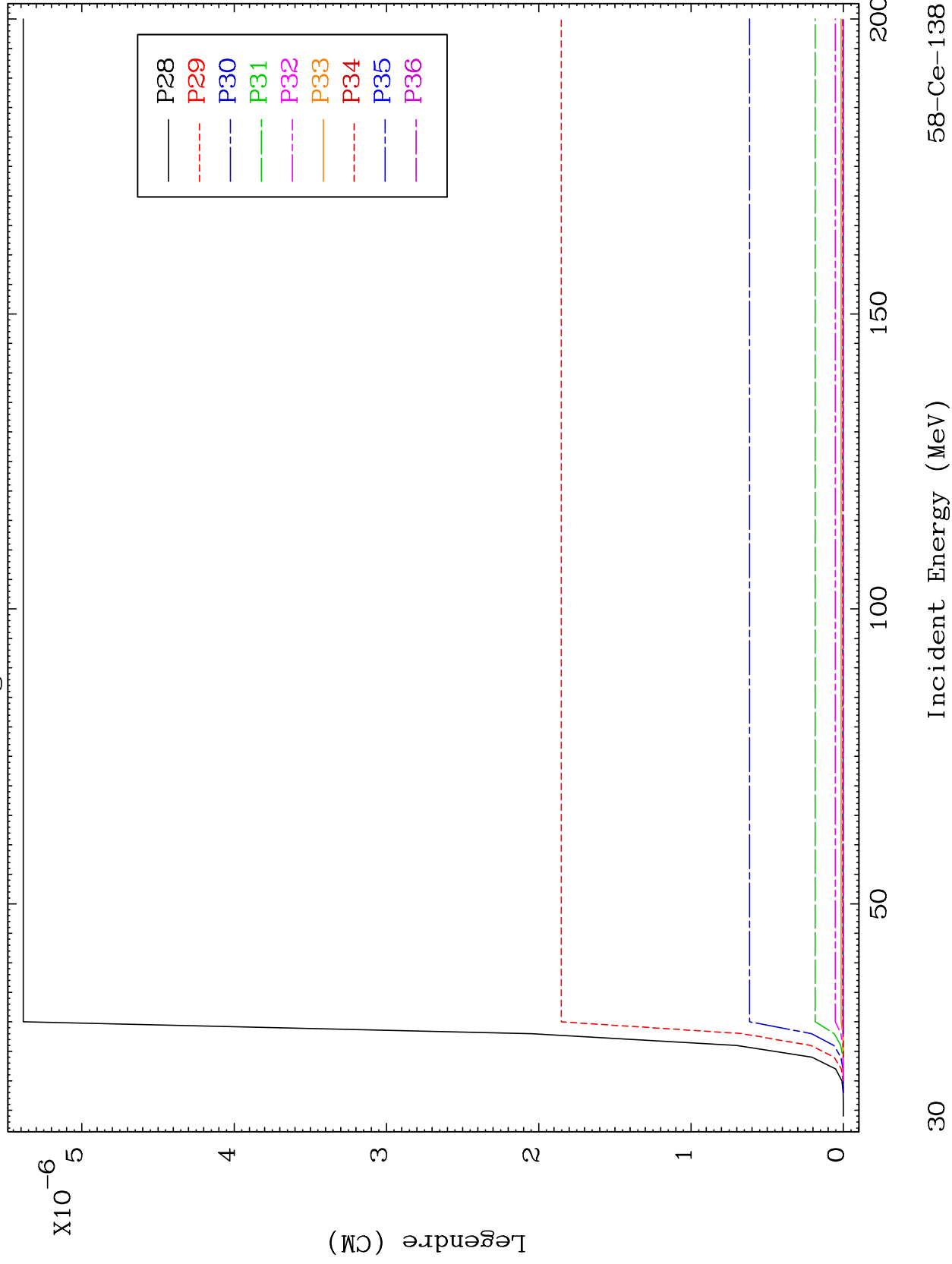
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58-Ce-138

MAT 5831

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

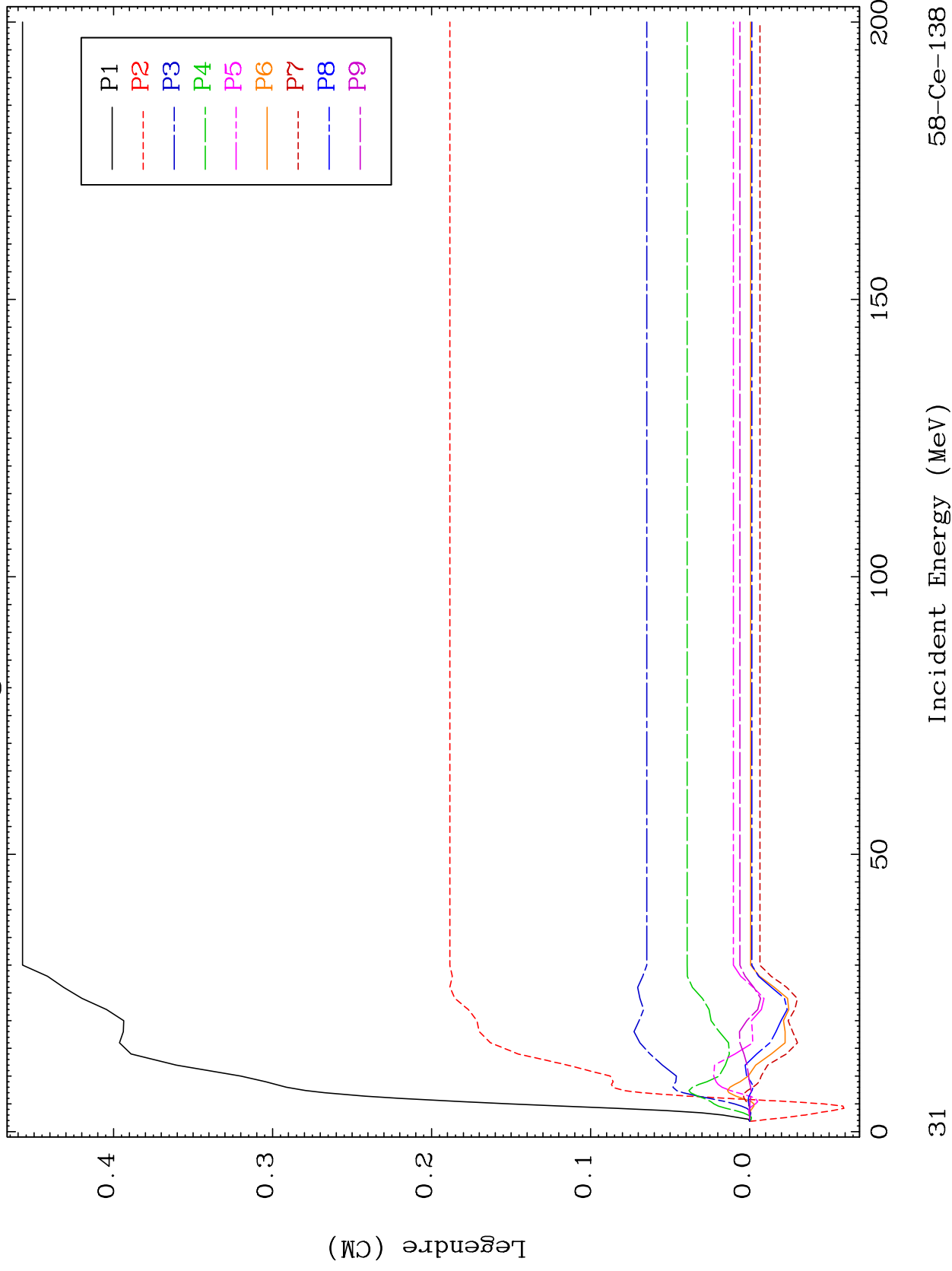
58-Ce-138



MAT 5831

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

58-Ce-138



58-Ce-138

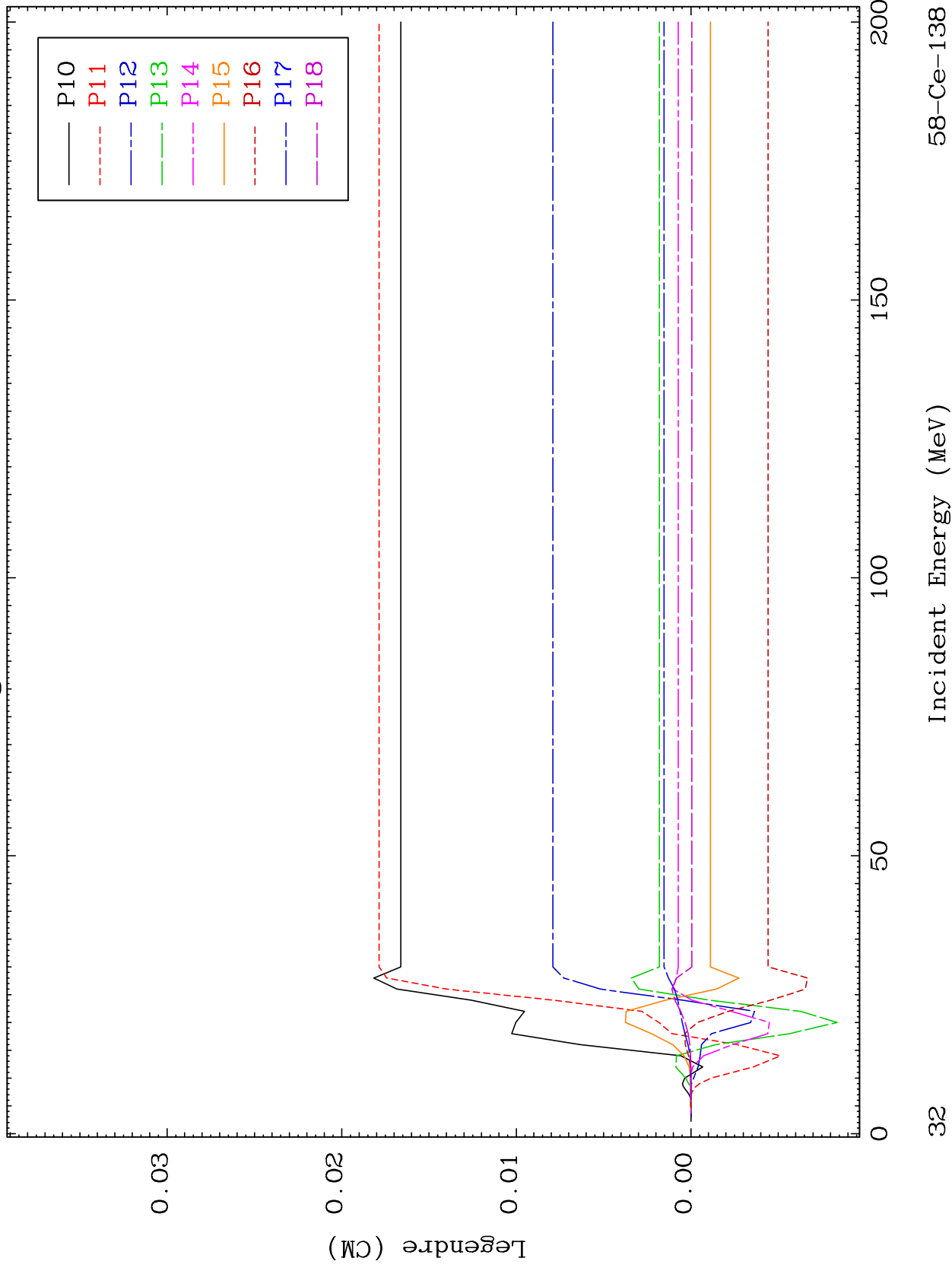
Incident Energy (MeV)

31

MAT 5831

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

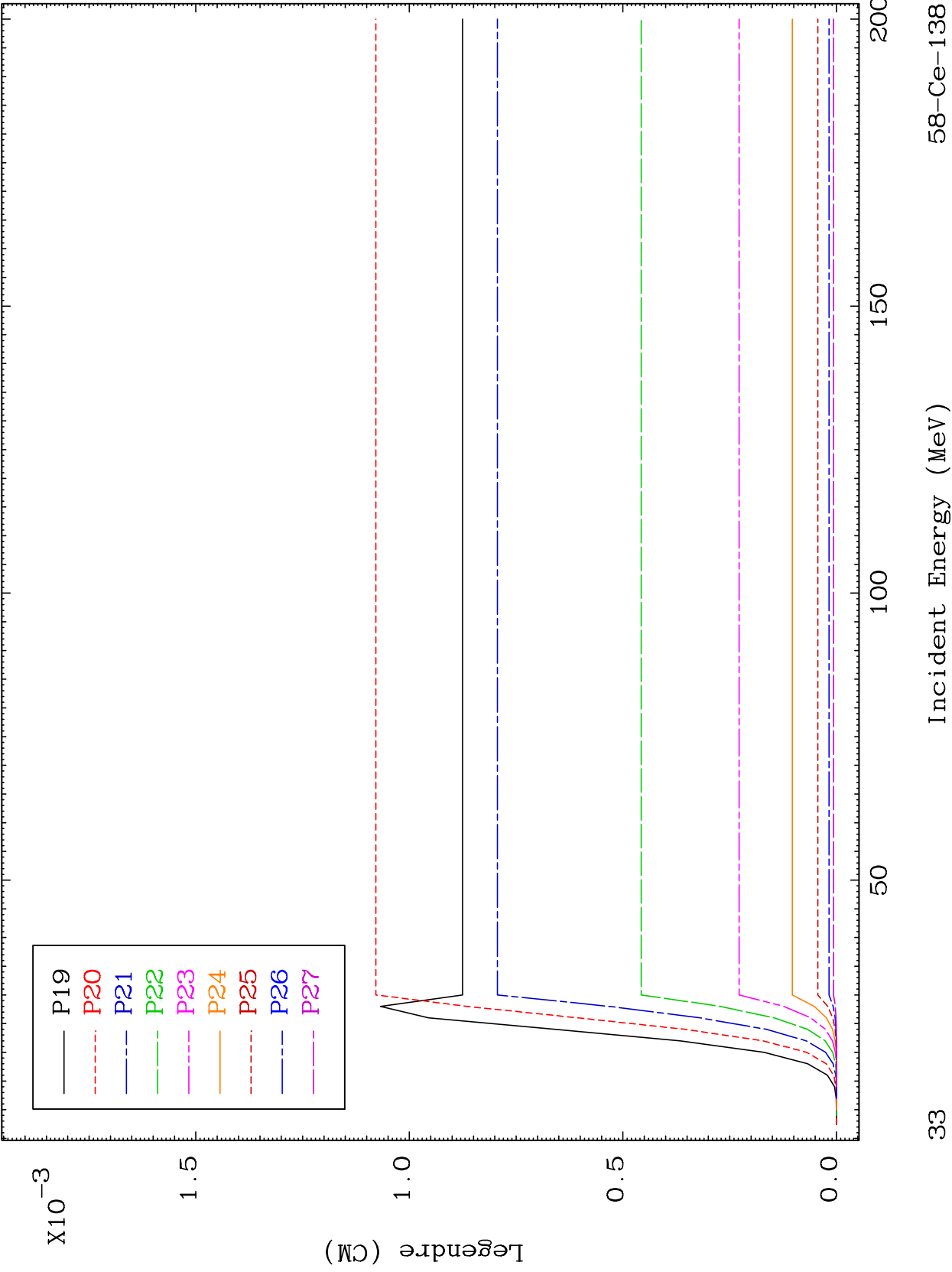
58-Ce-138



58-Ce-138

Incident Energy (MeV)

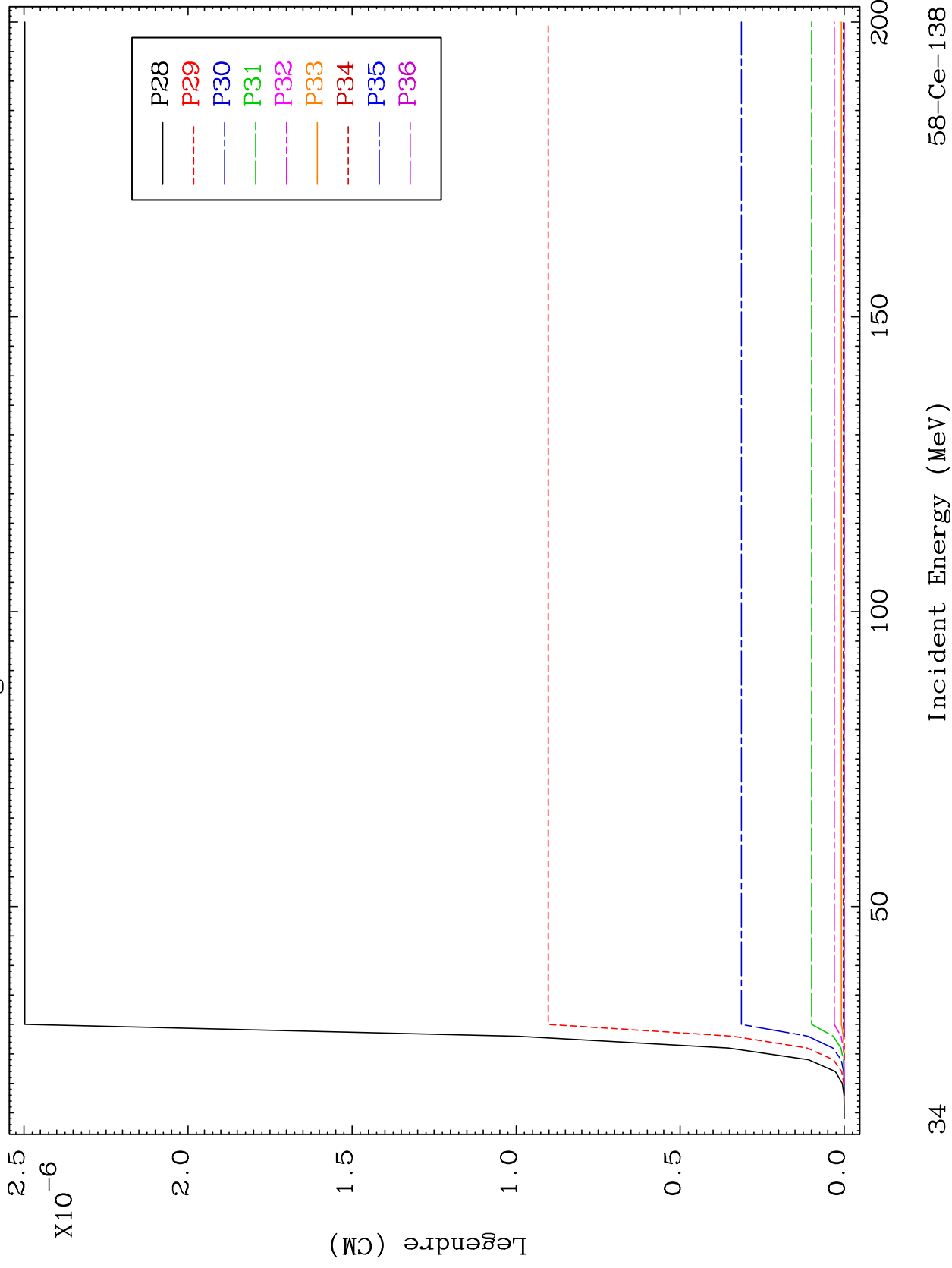
32



MAT 5831

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

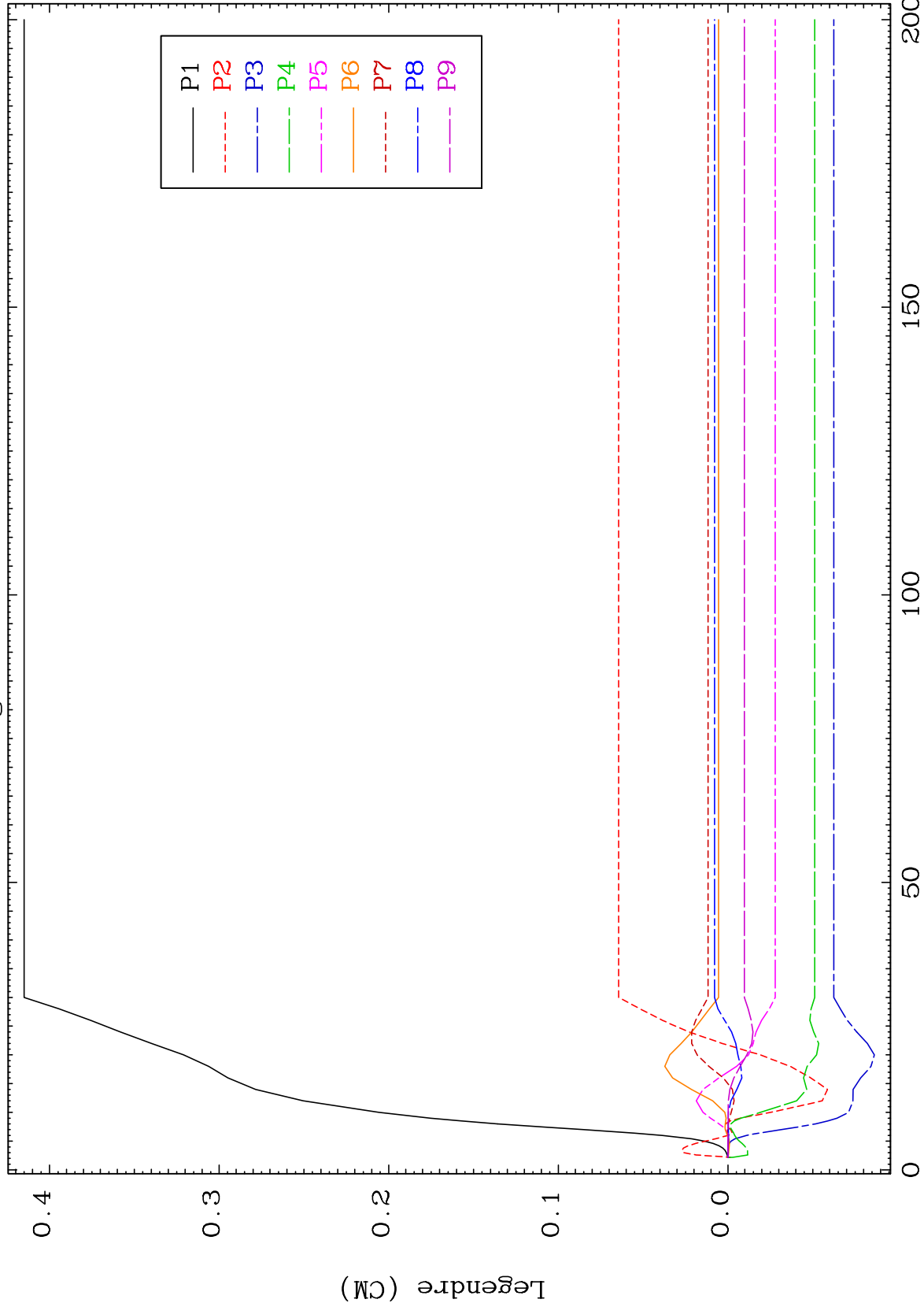
58-Ce-138



MAT 5831

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

58-Ce-138



58-Ce-138

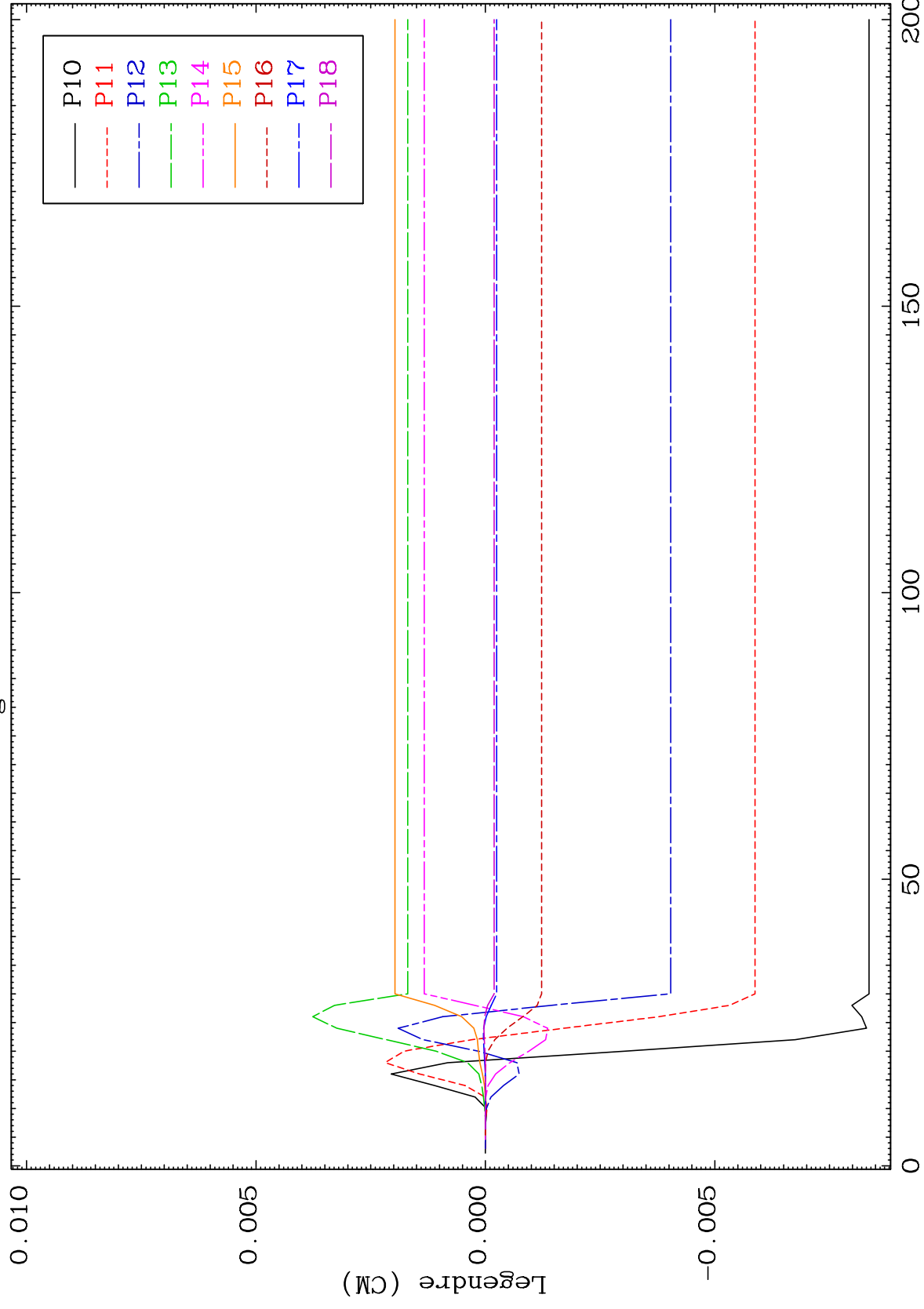
Incident Energy (MeV)

35

MAT 5831

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

58-Ce-138



36

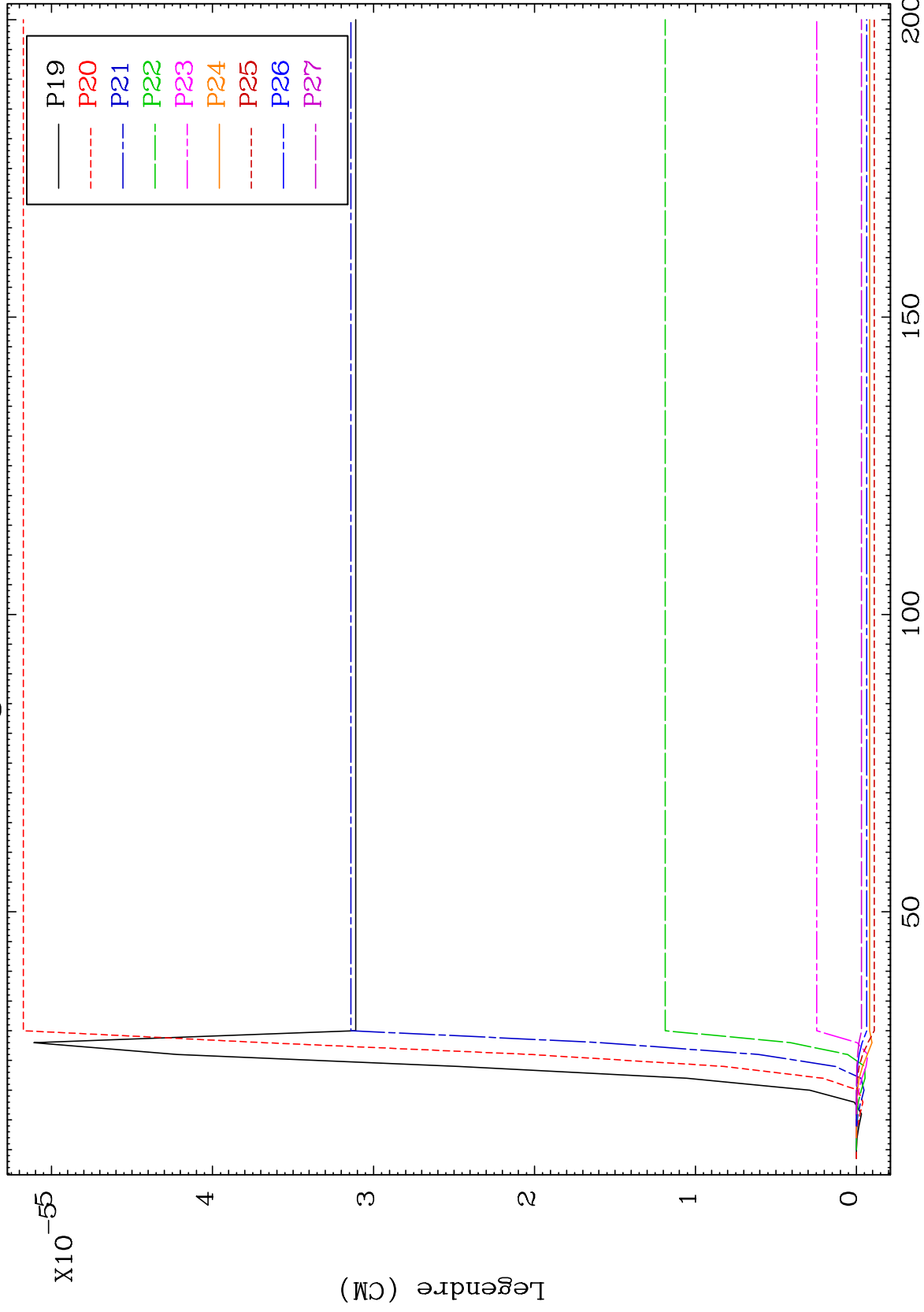
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

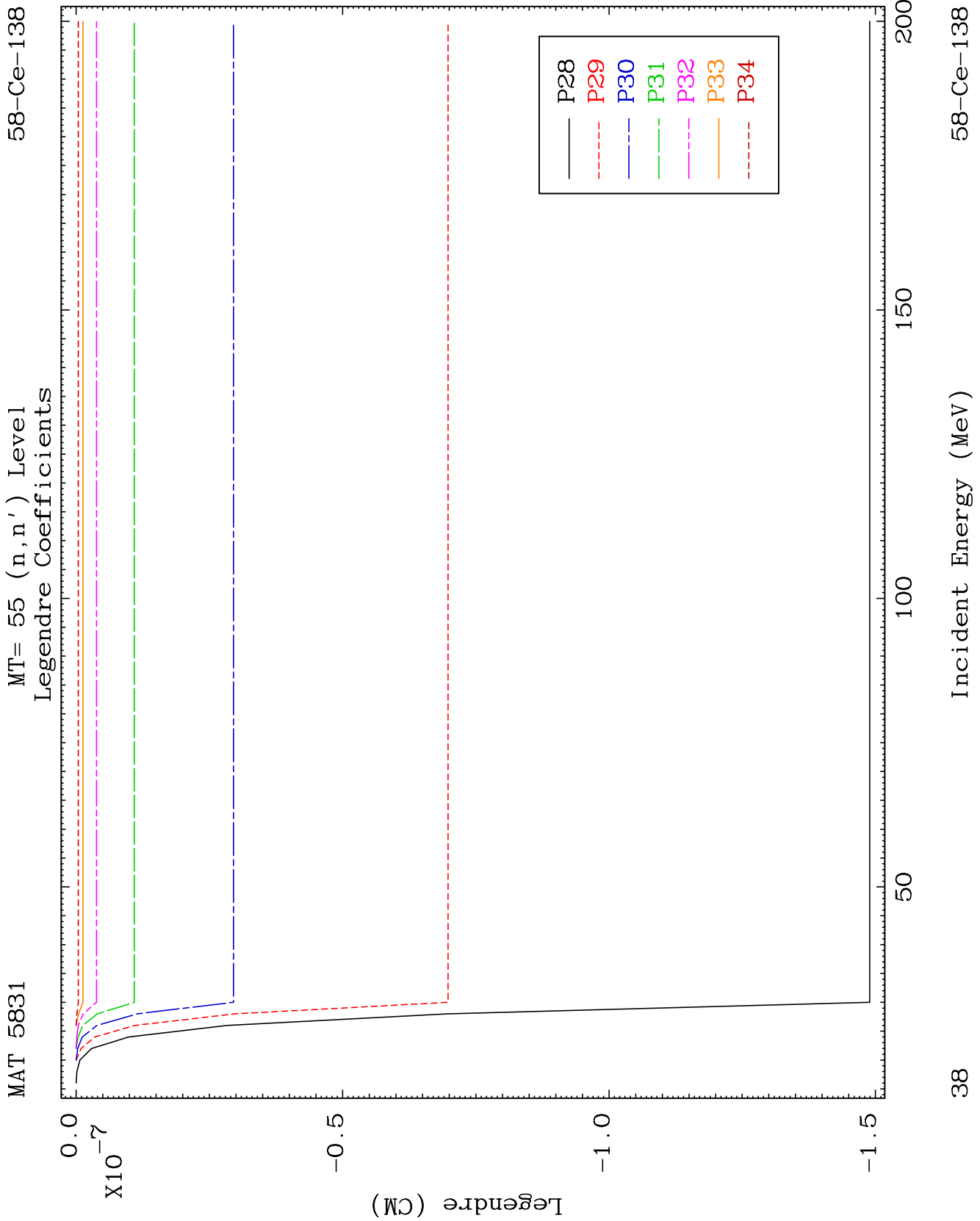
58-Ce-138



37

Incident Energy (MeV)

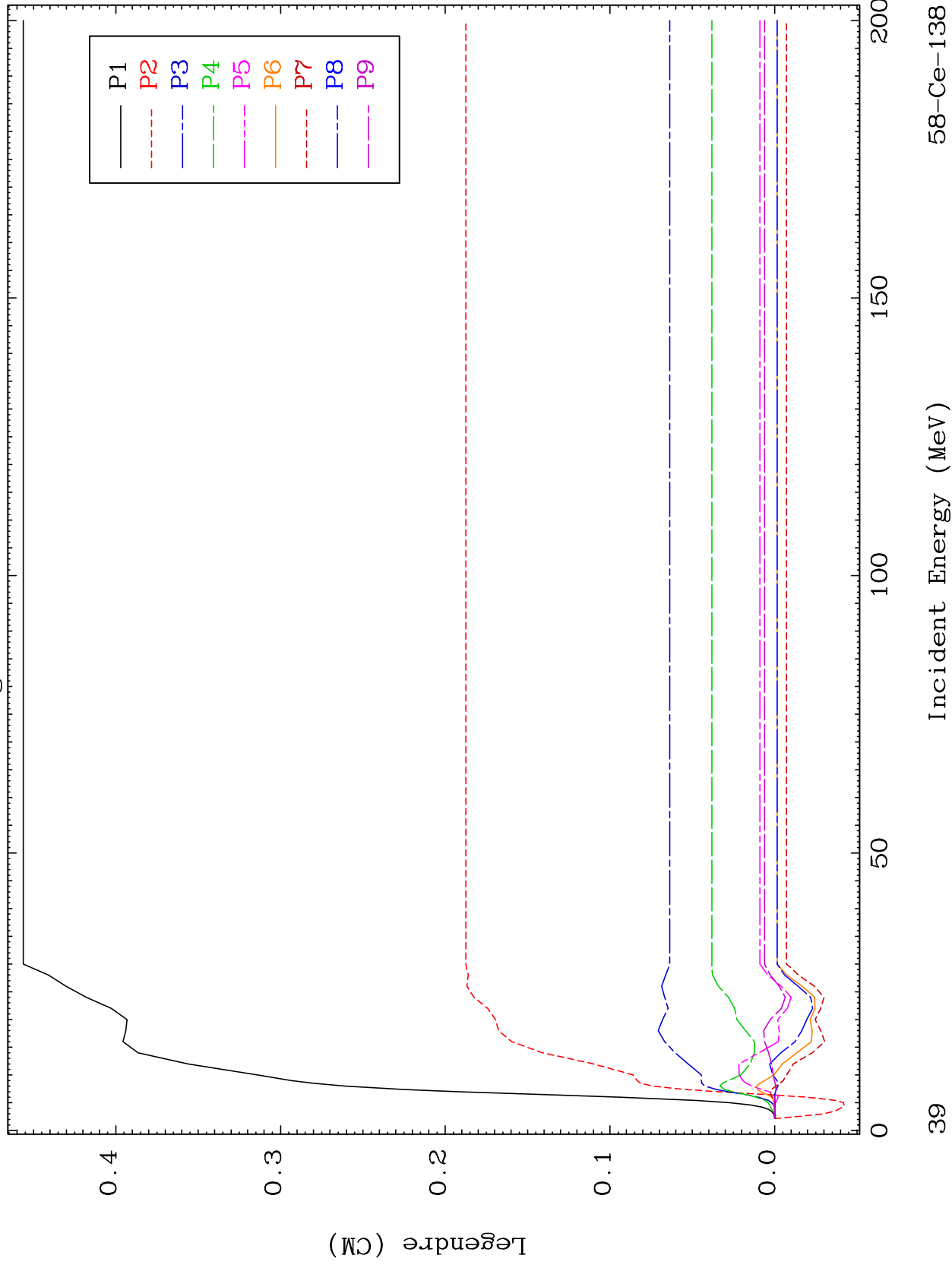
58-Ce-138



MAT 5831

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

58-Ce-138



58-Ce-138

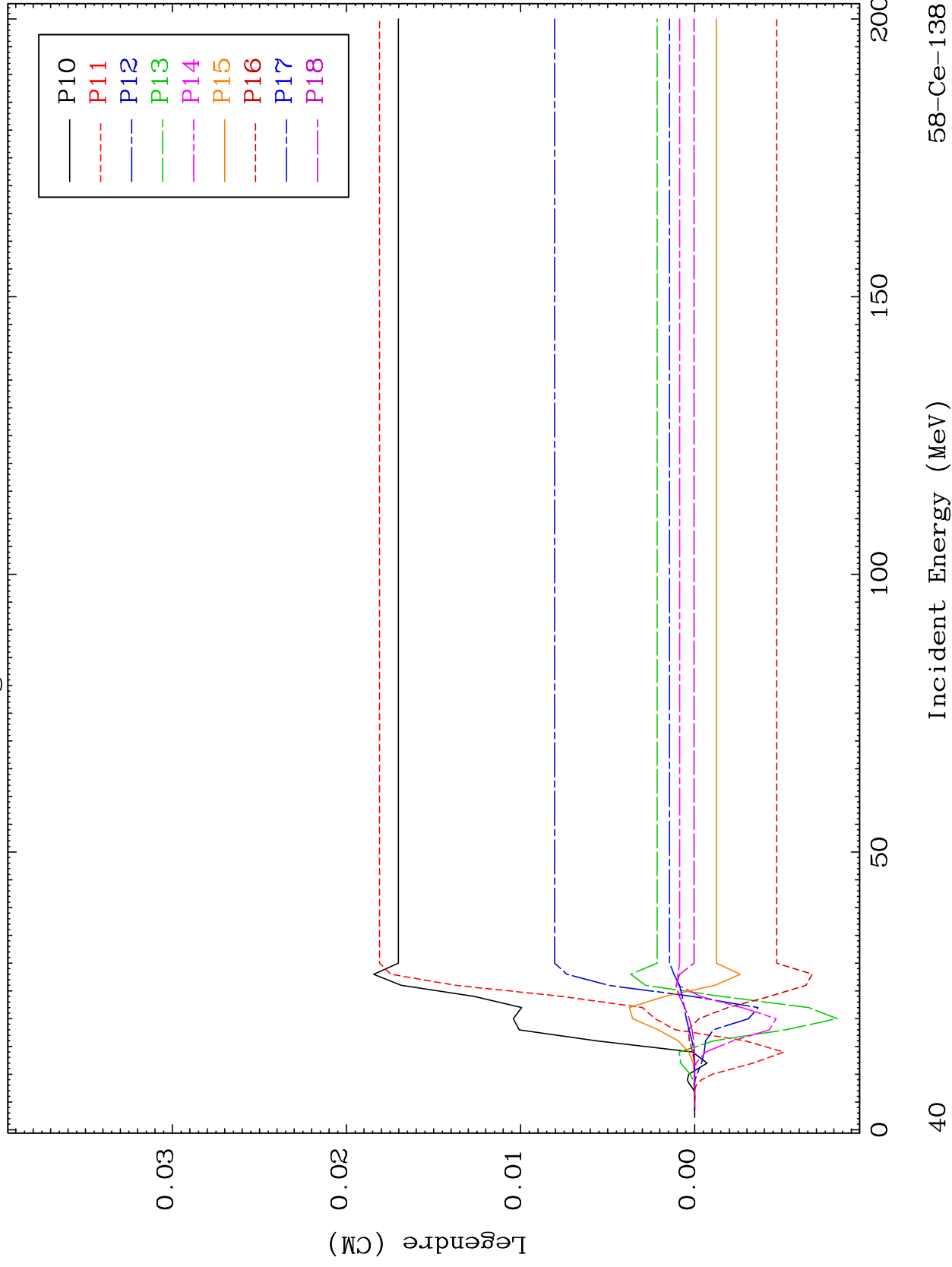
Incident Energy (MeV)

39

MAT 5831

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

58-Ce-138



58-Ce-138

Incident Energy (MeV)

40

50

100

150

200

Legendre (CM)

0.03

0.02

0.01

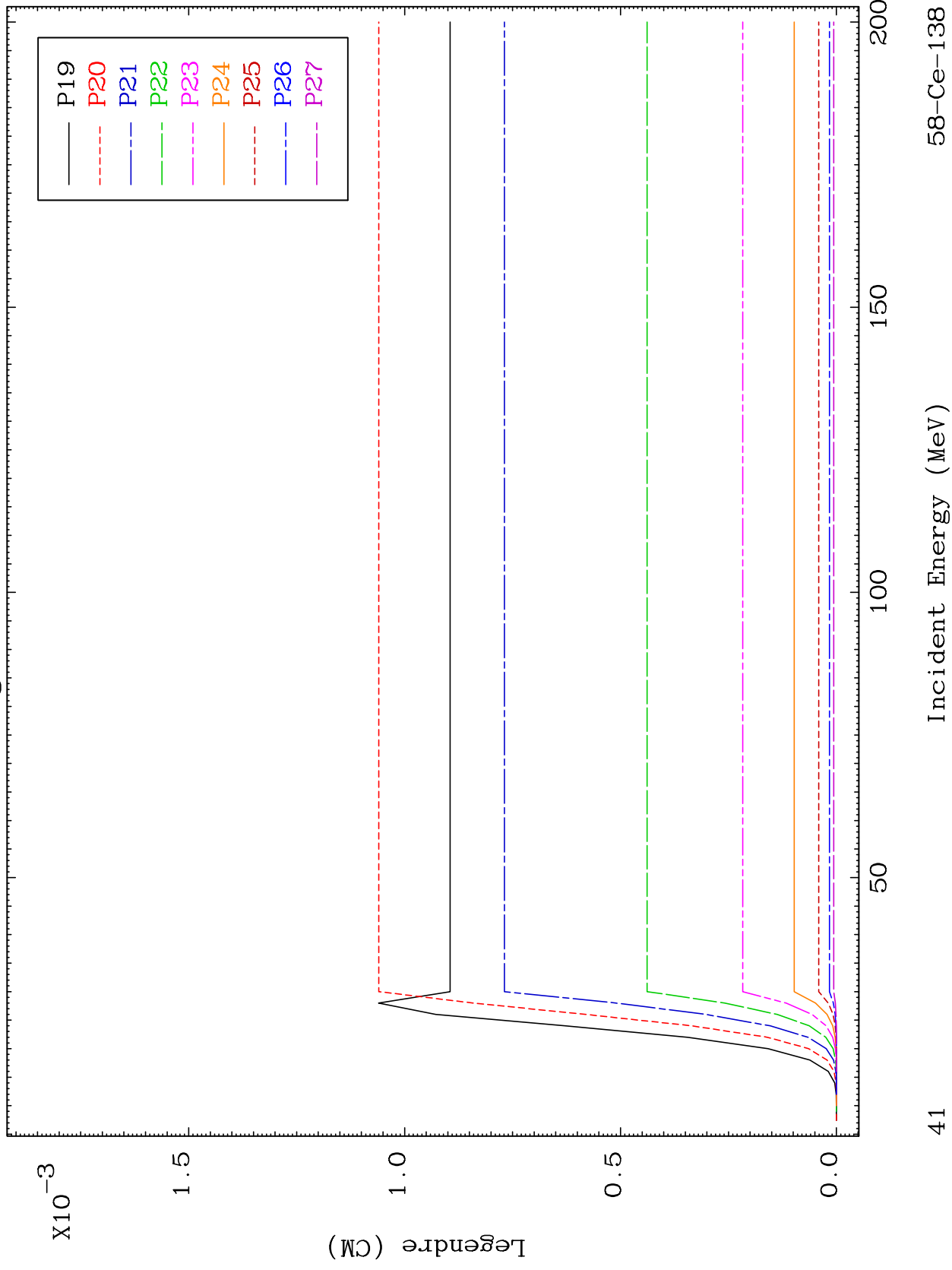
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MAT 5831

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

58-Ce-138

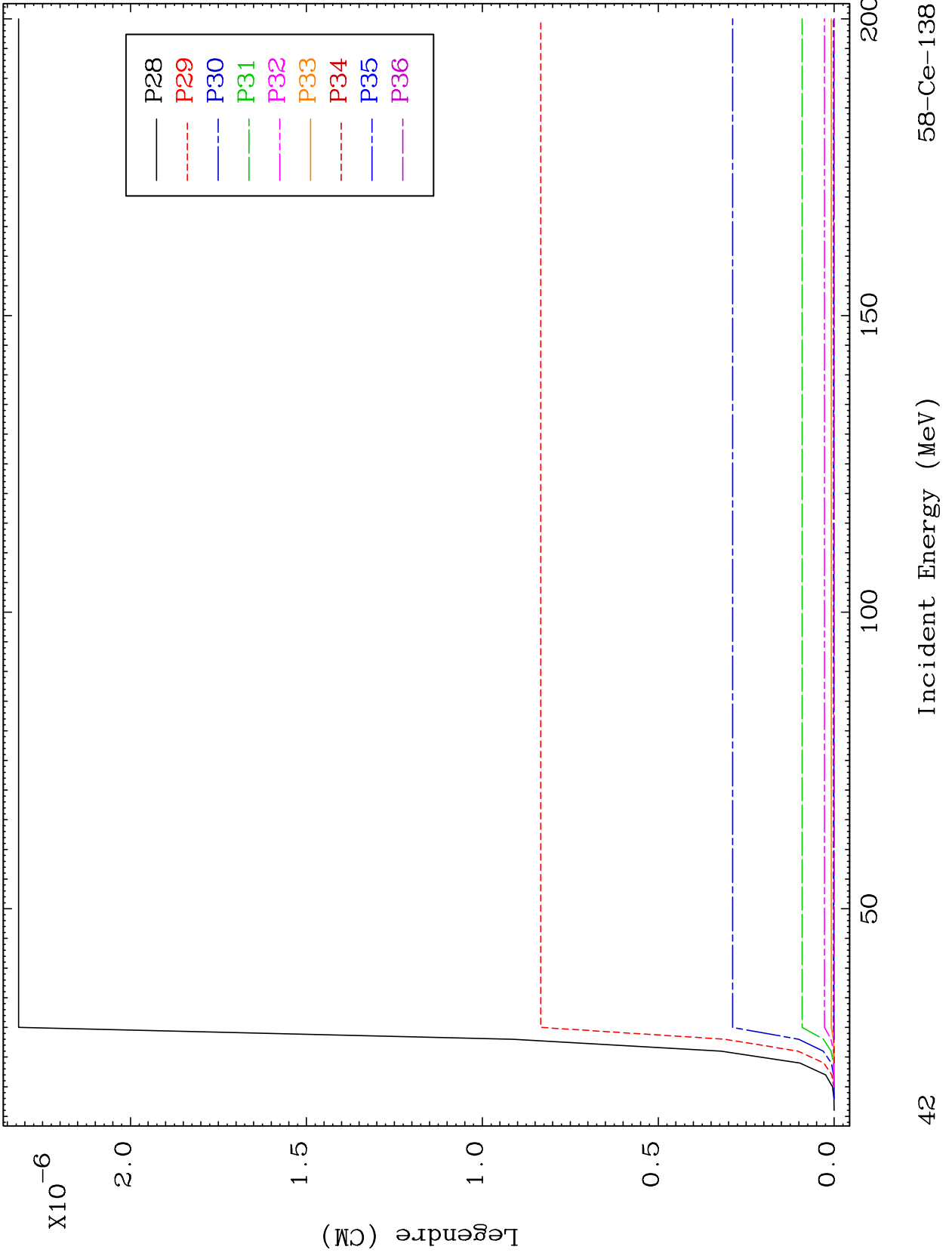


41

MAT 5831

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

58-Ce-138

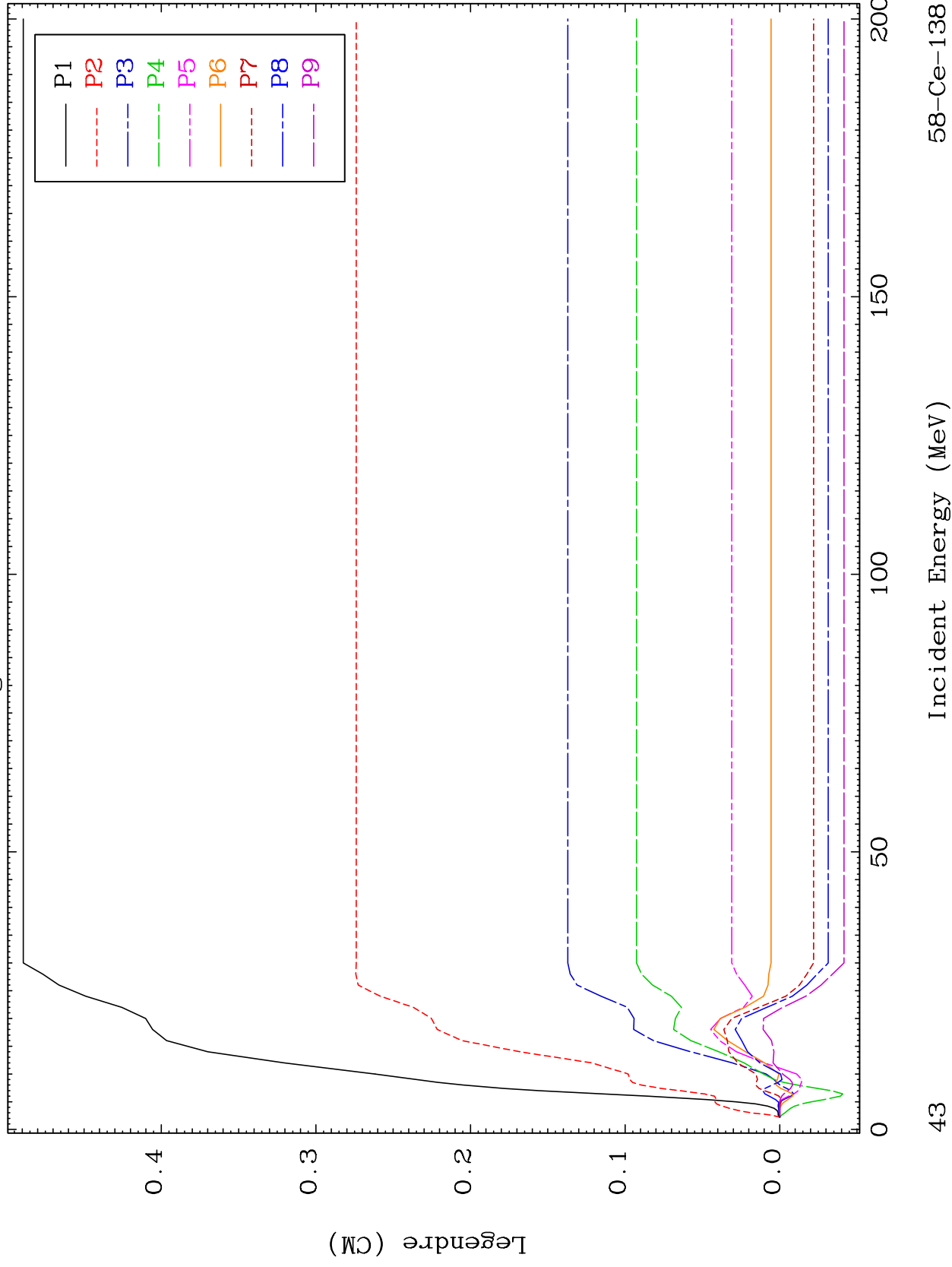


42

MAT 5831

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

58-Ce-138



58-Ce-138

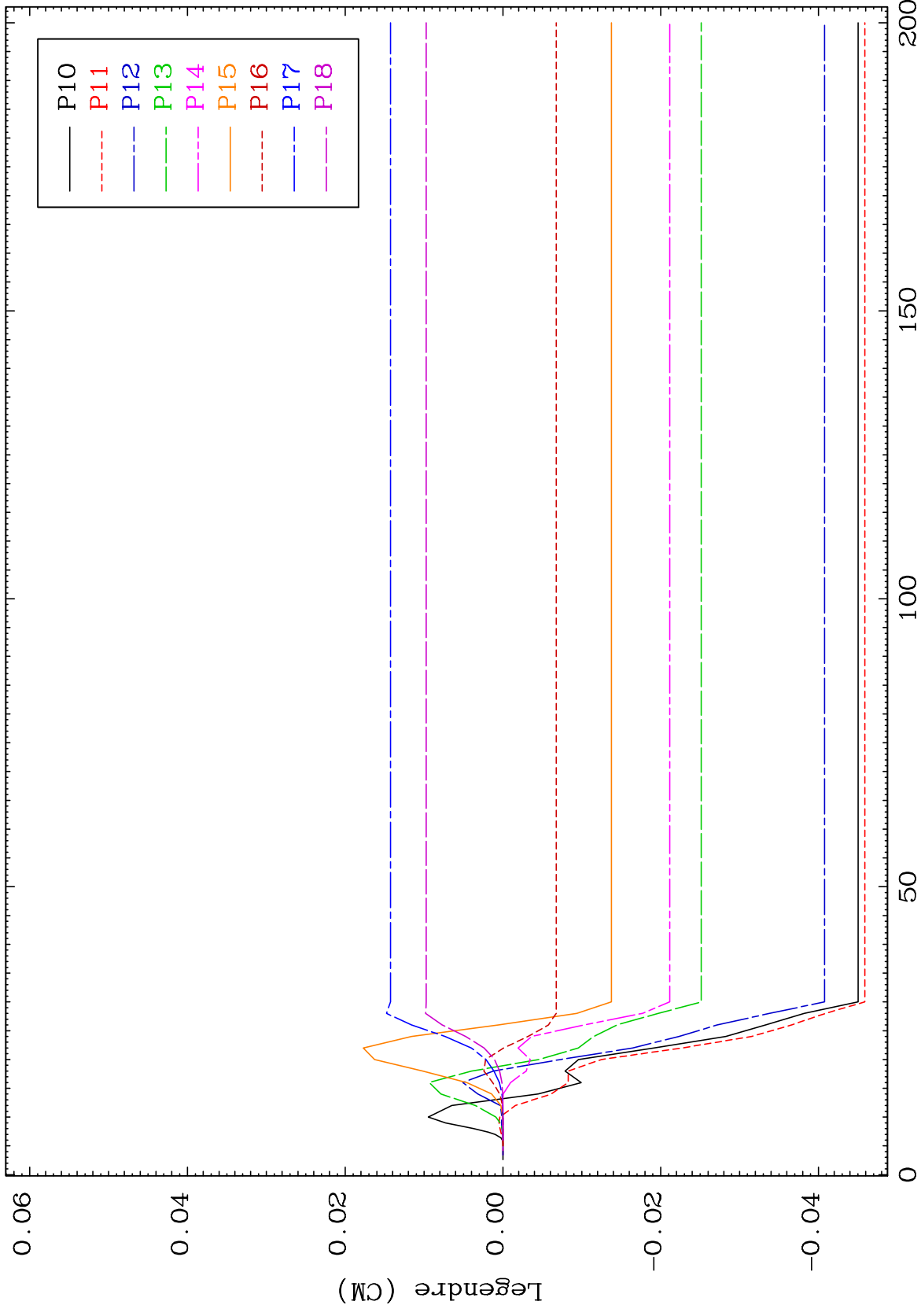
Incident Energy (MeV)

43

MAT 5831

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

58-Ce-138



44

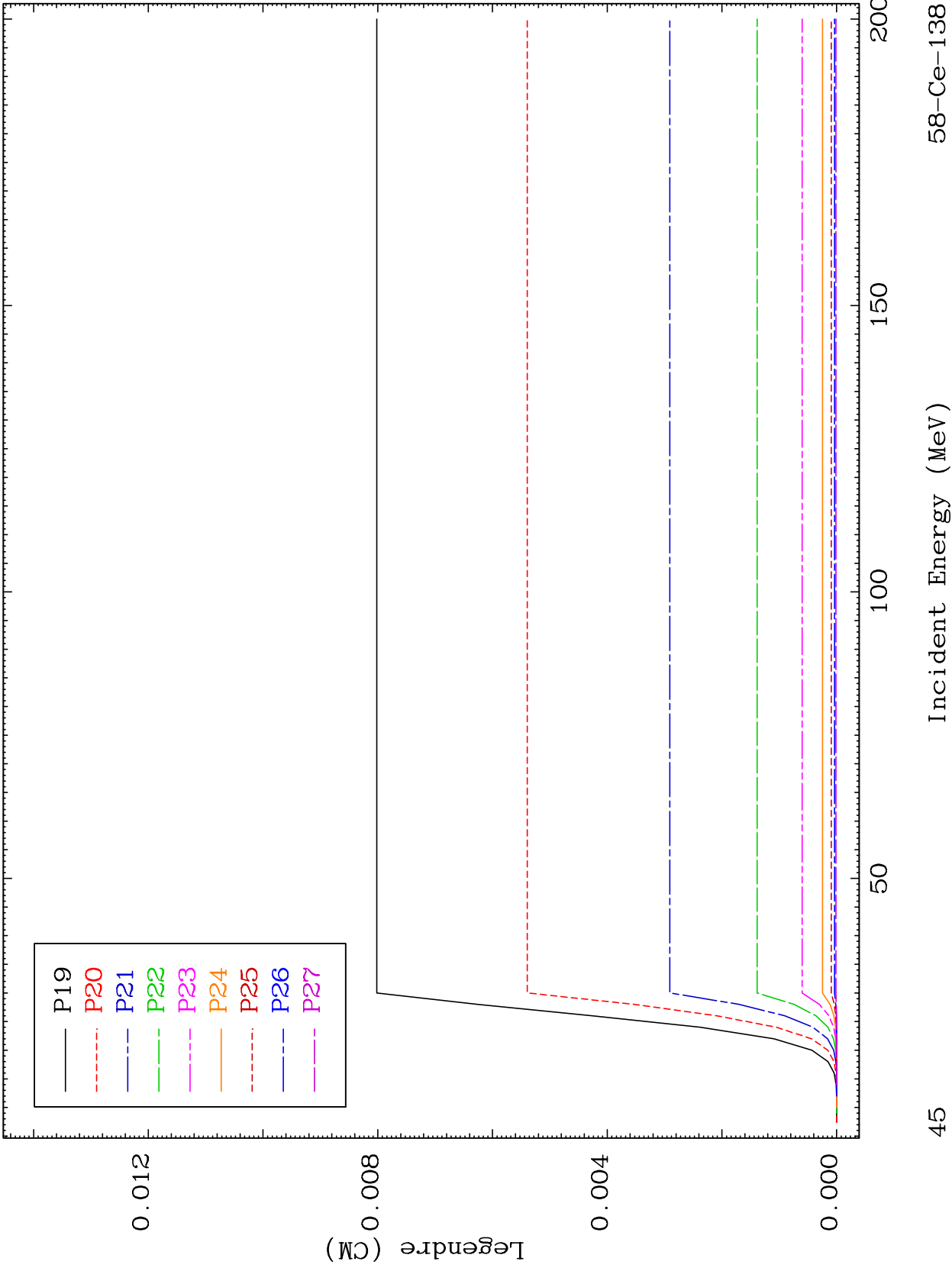
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

58-Ce-138



45

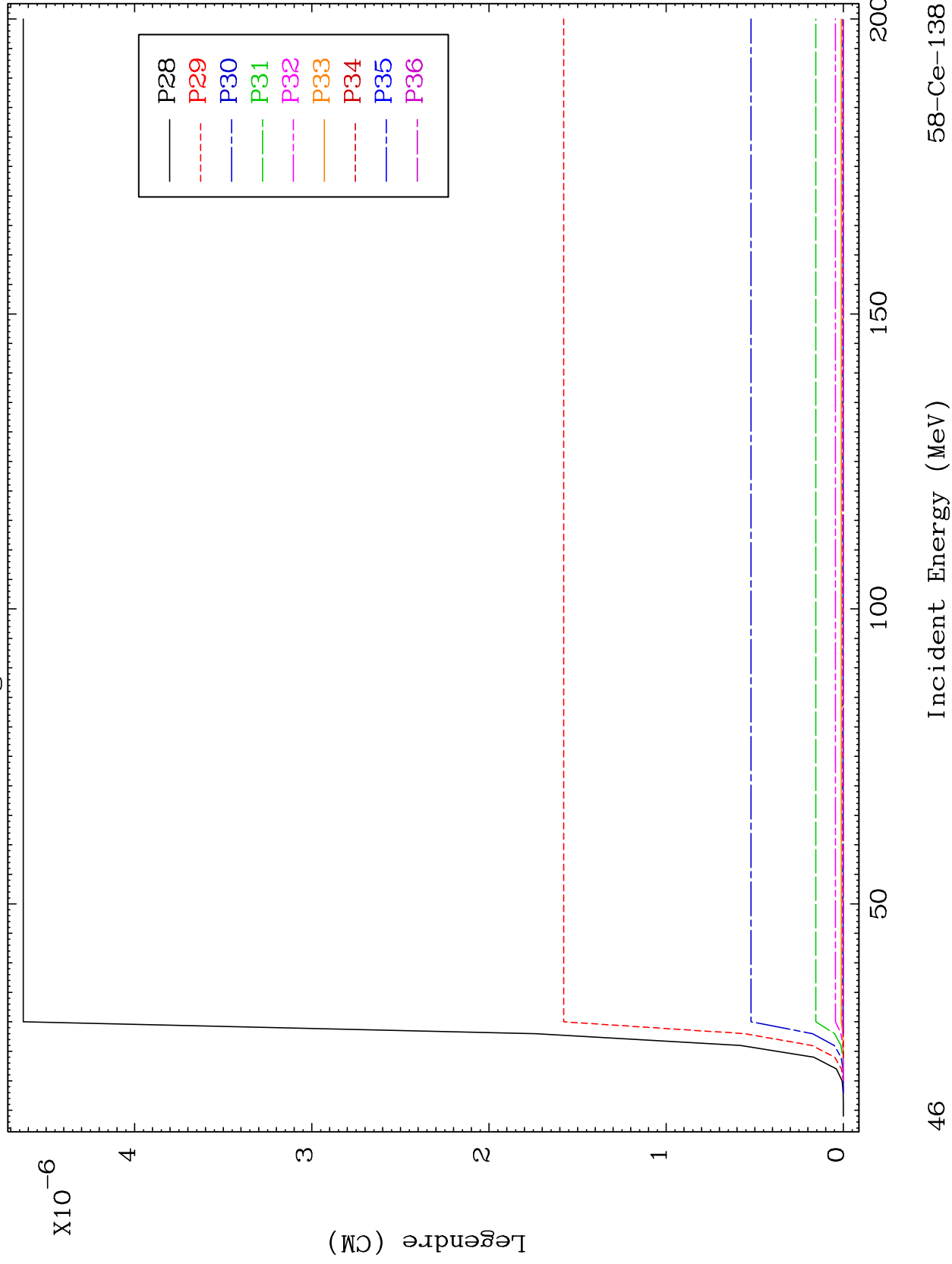
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

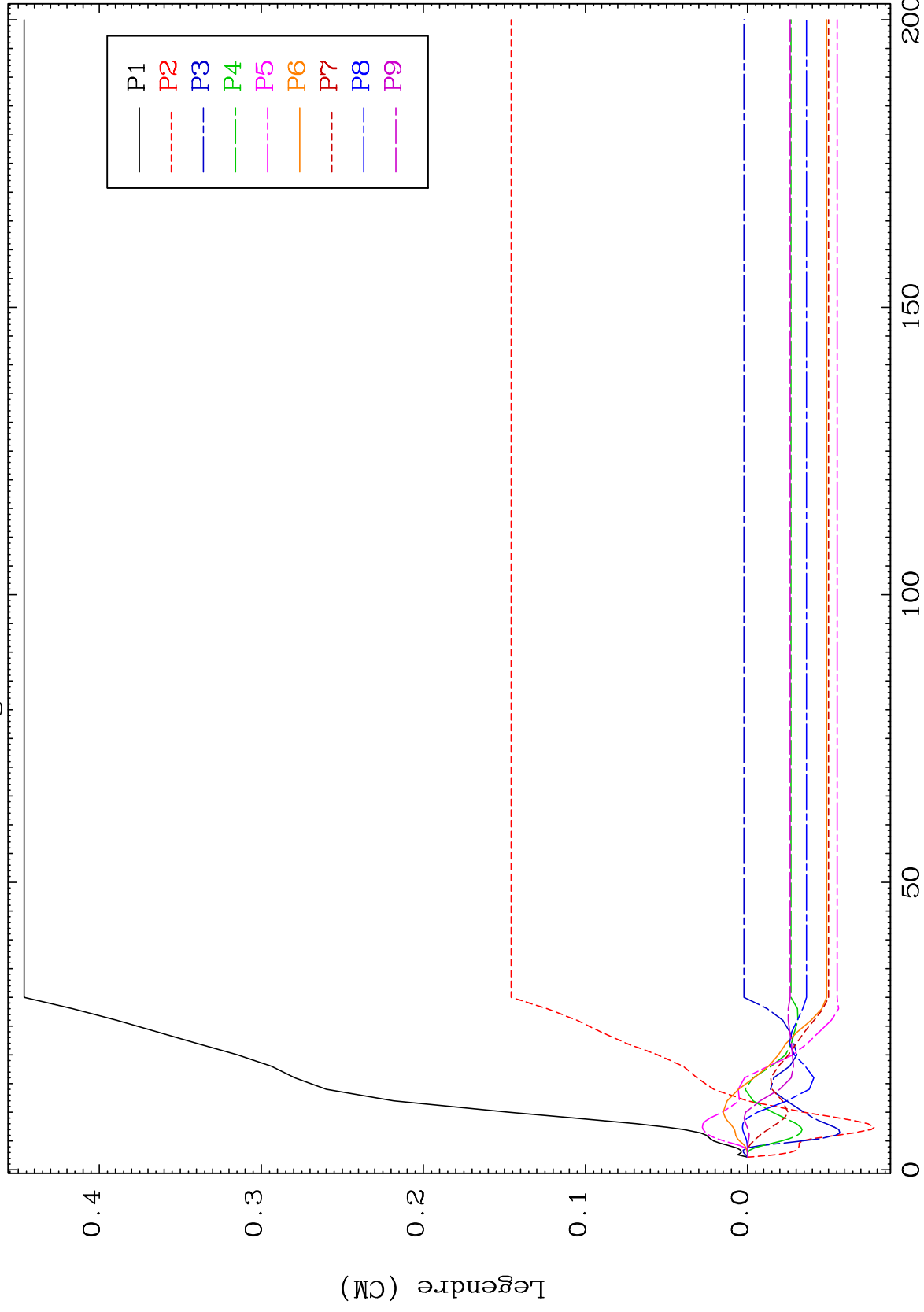
58-Ce-138



MAT 5831

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

58-Ce-138



47

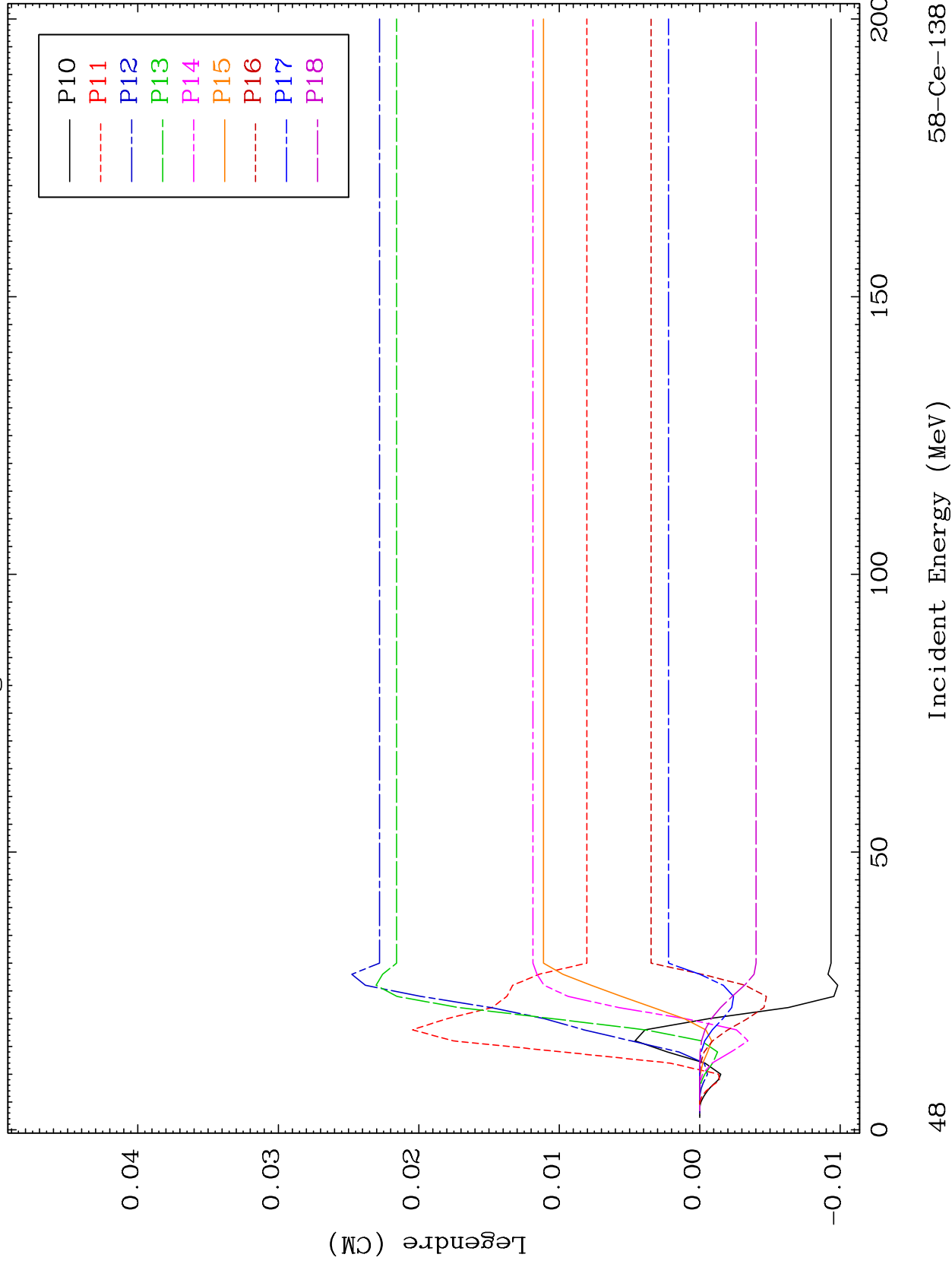
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

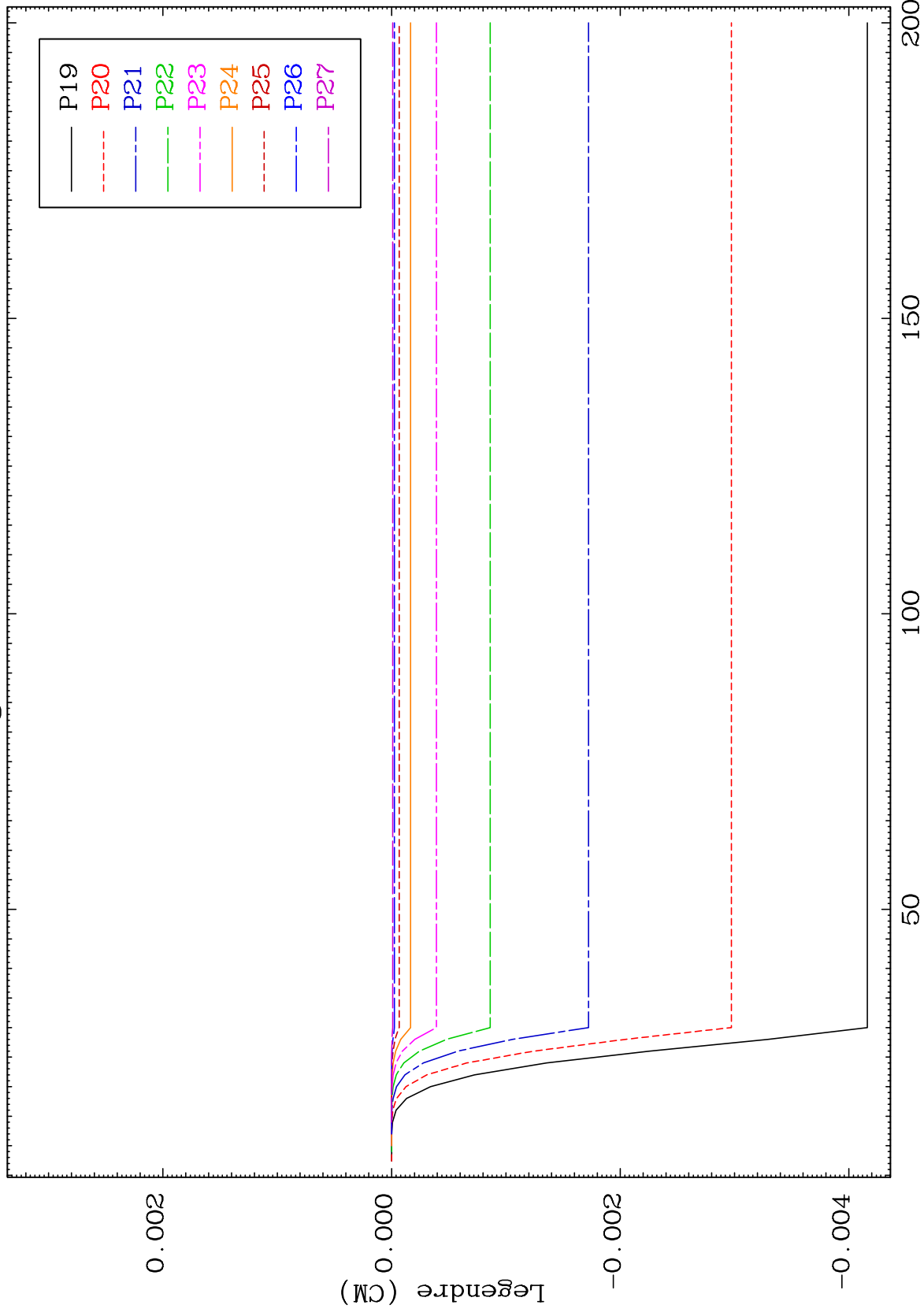
58-Ce-138



MAT 5831

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

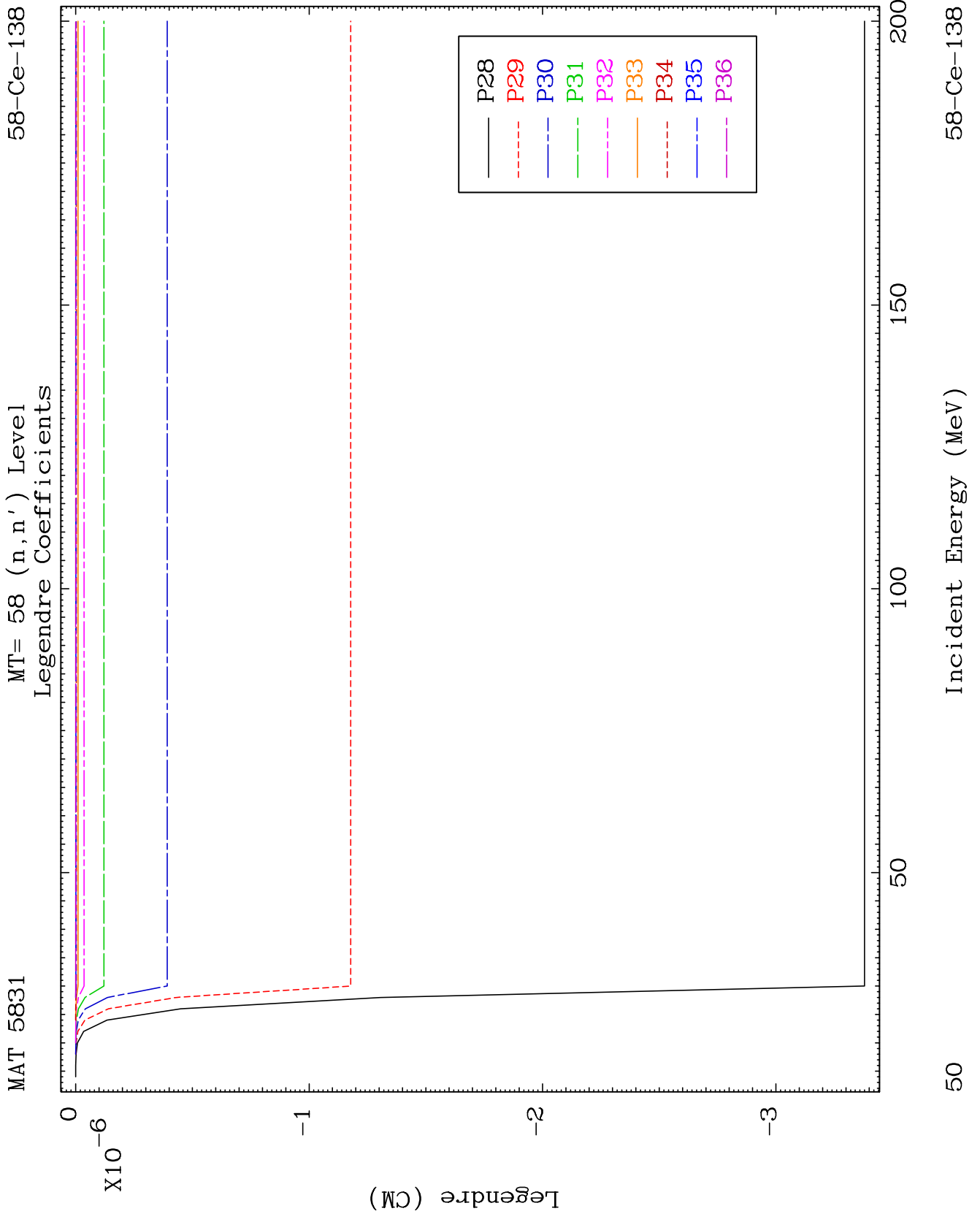
58-Ce-138



49

Incident Energy (MeV)

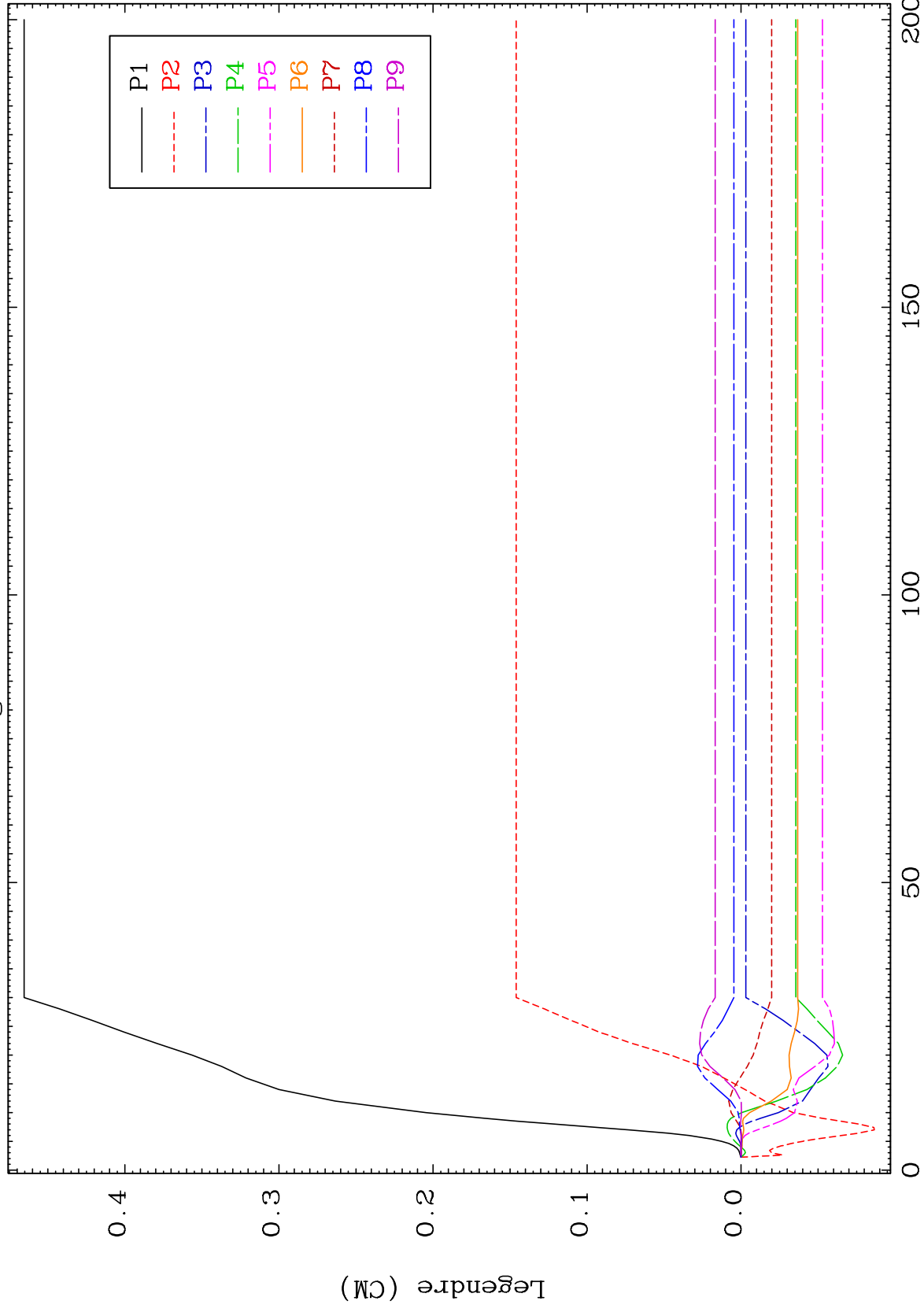
58-Ce-138



MAT 5831

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

58-Ce-138



51

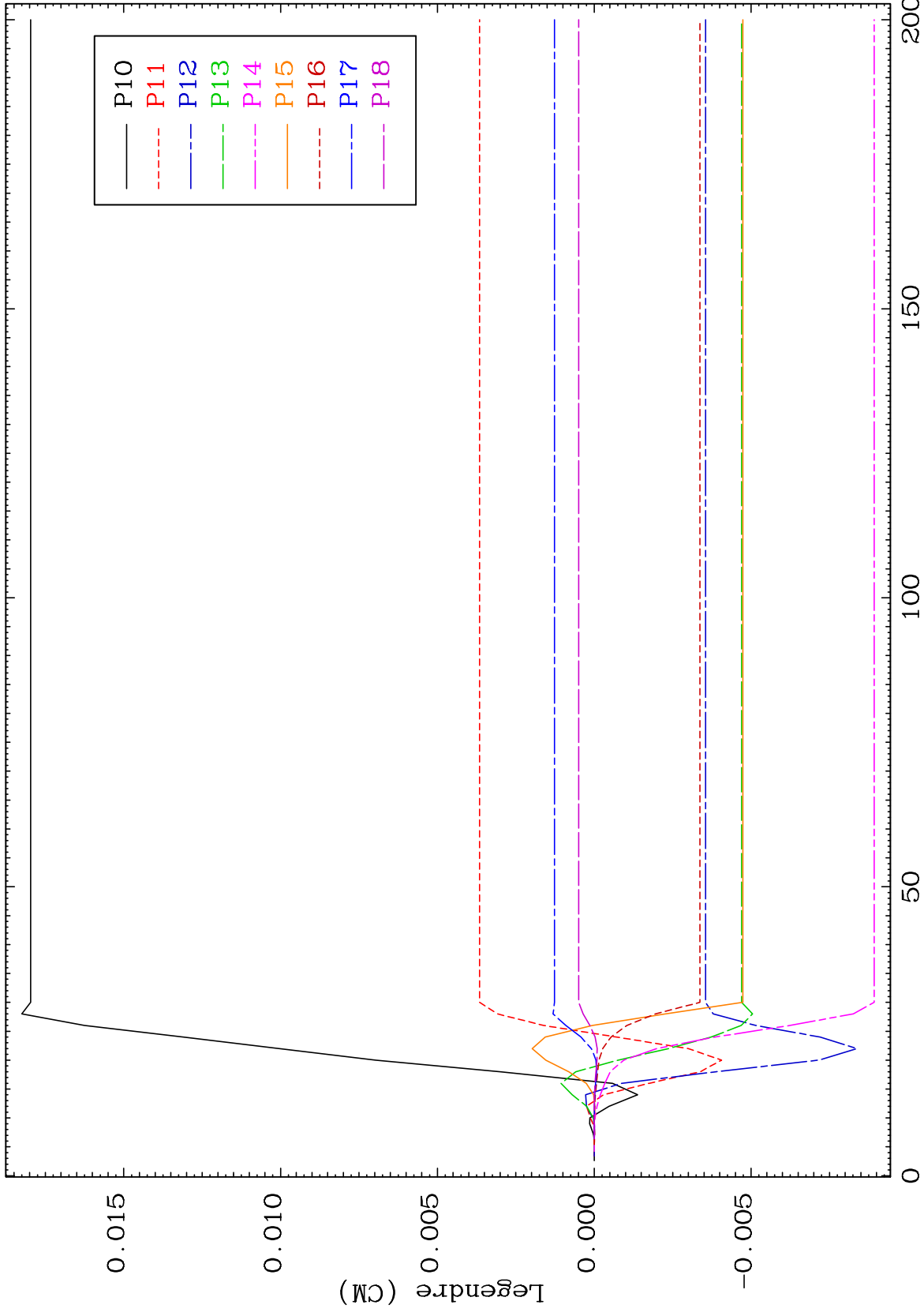
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

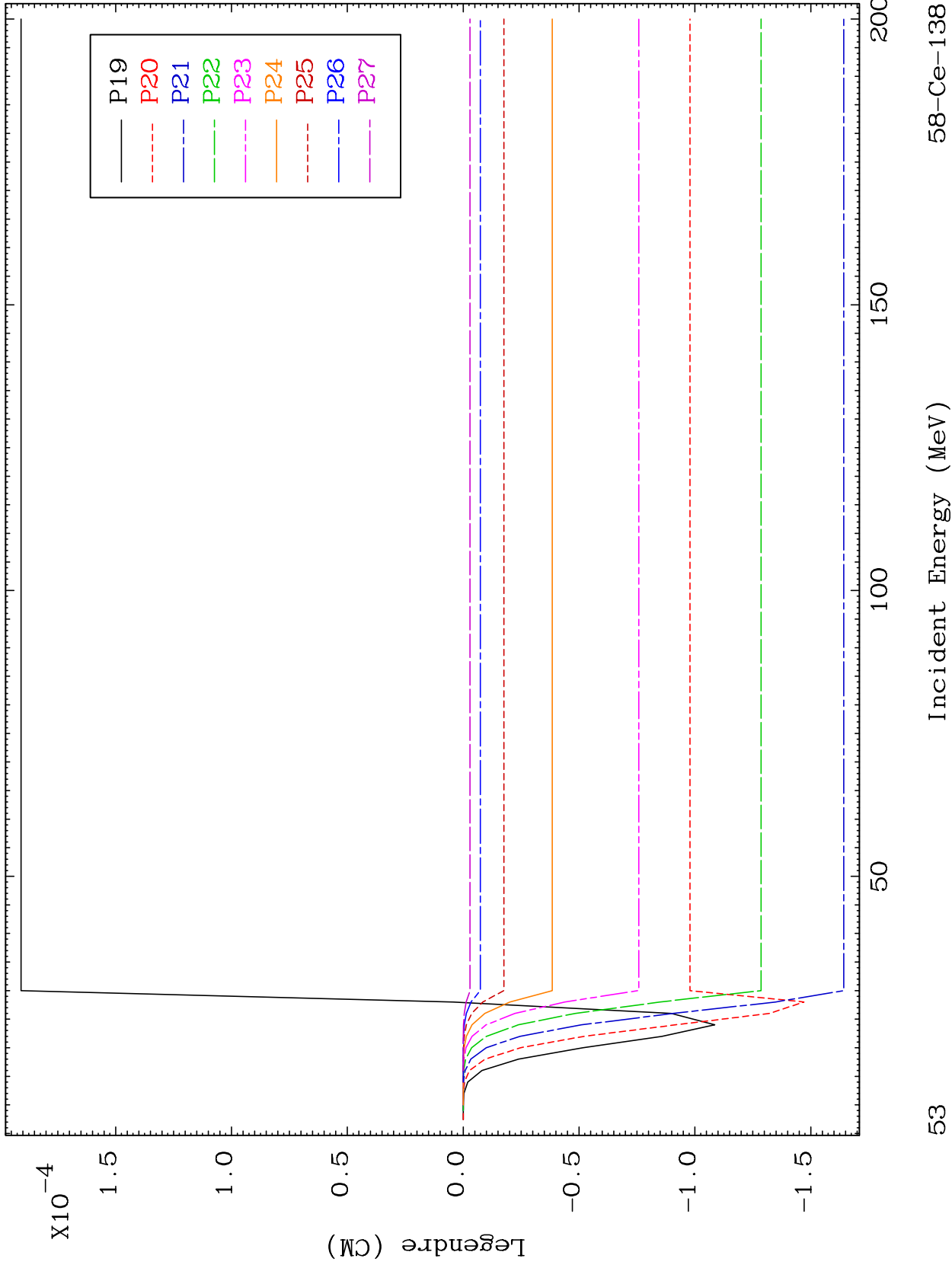
58-Ce-138

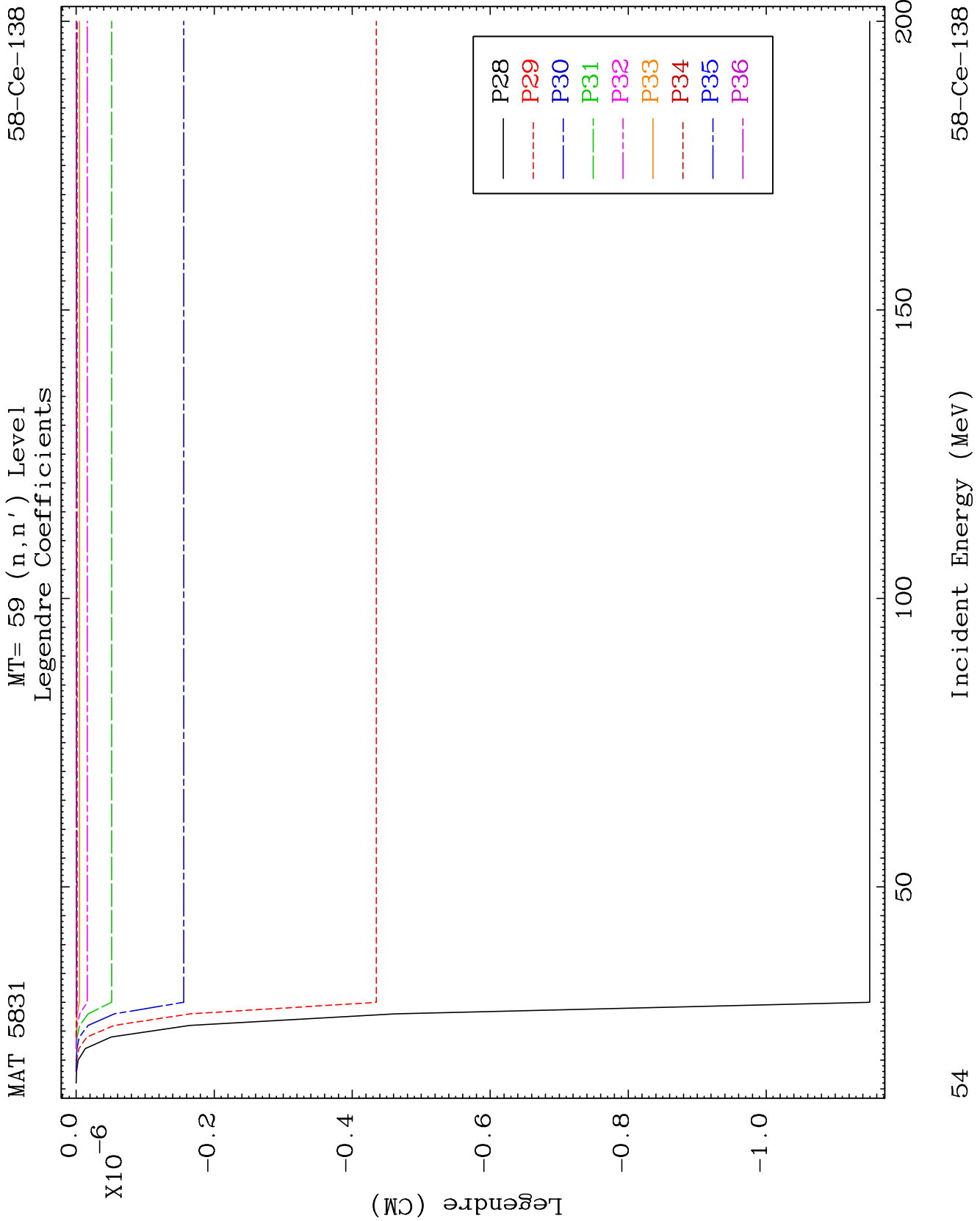


52

Incident Energy (MeV)

58-Ce-138

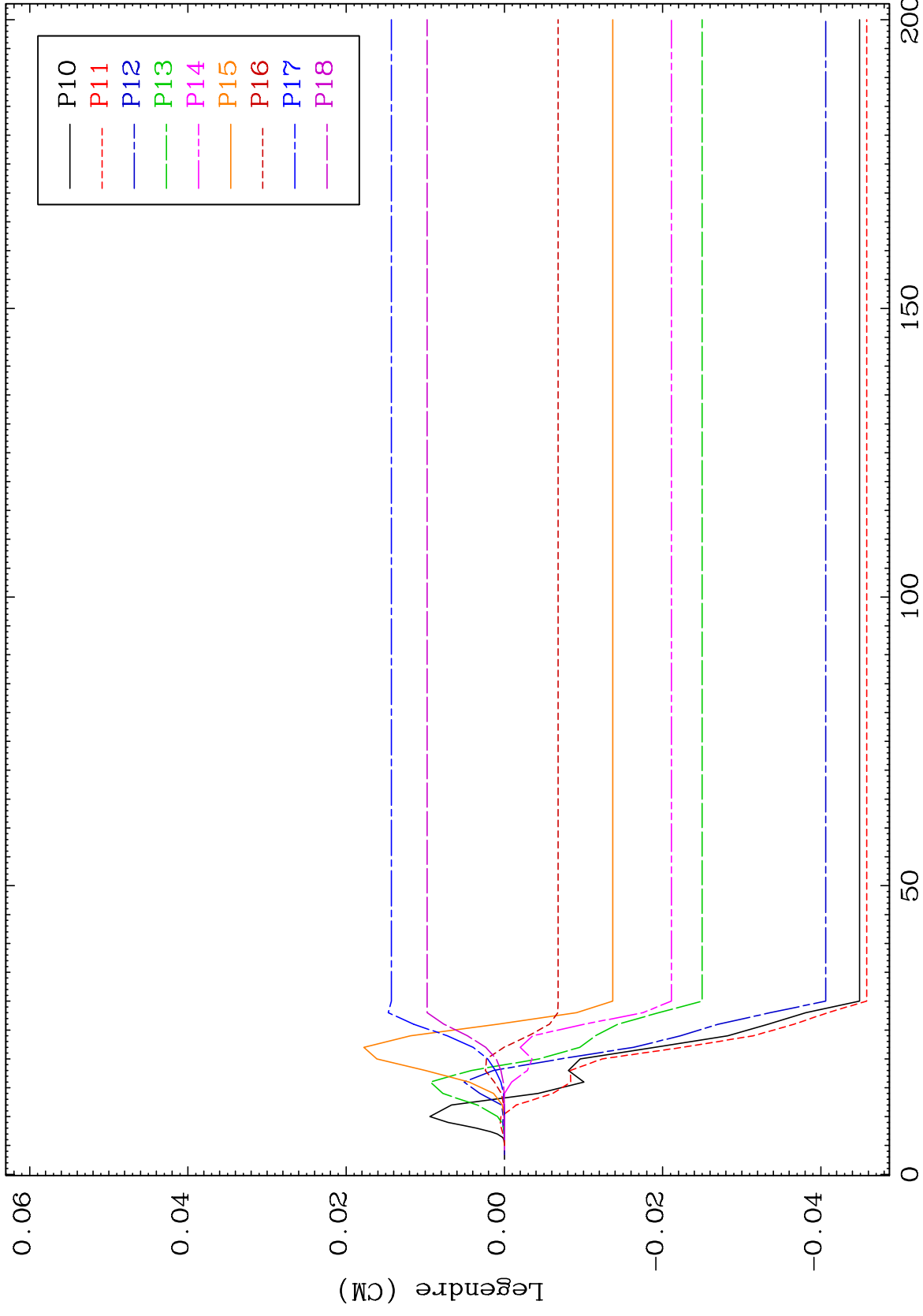




MAT 5831

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

58-Ce-138



56

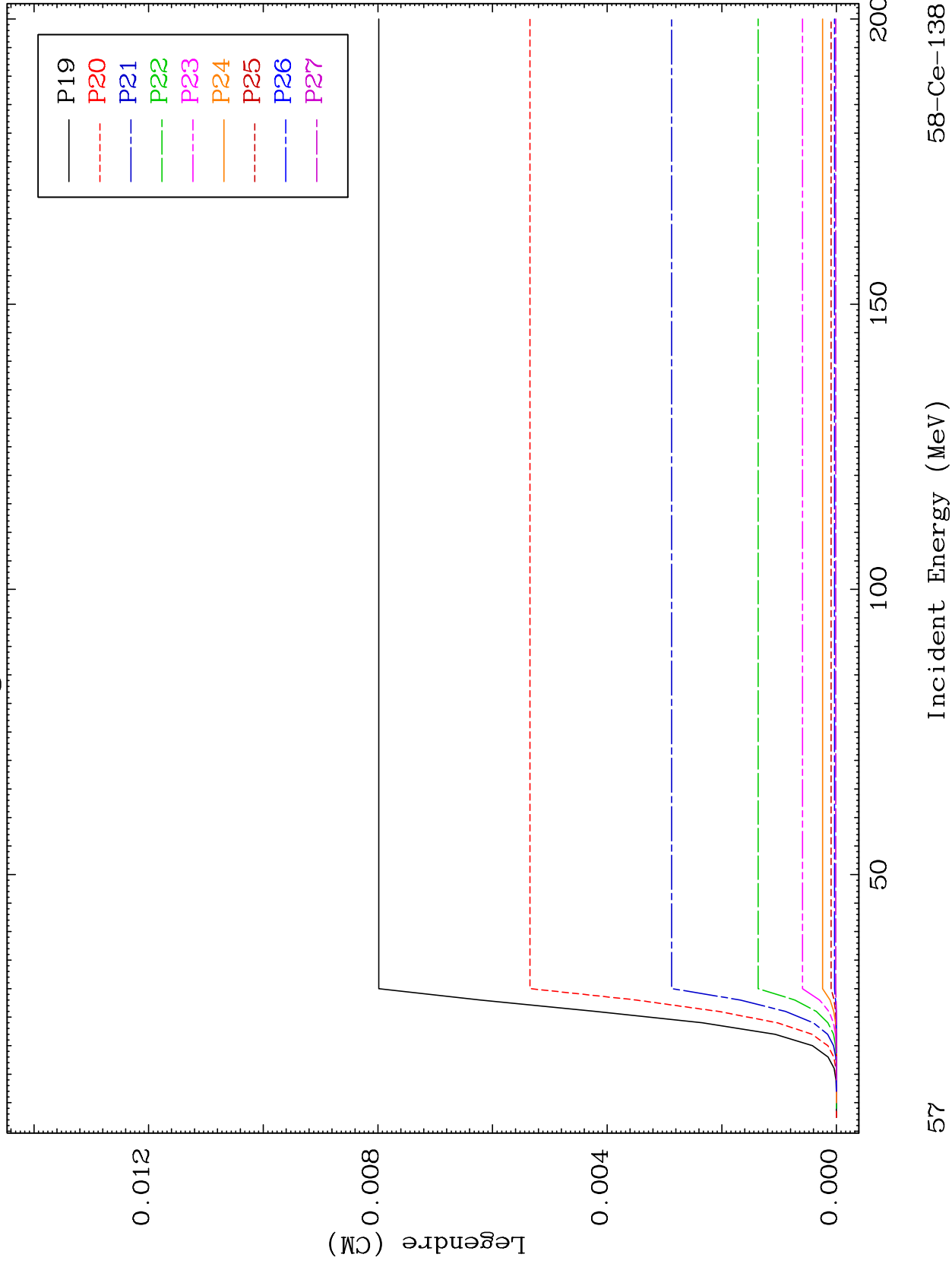
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

58-Ce-138



57

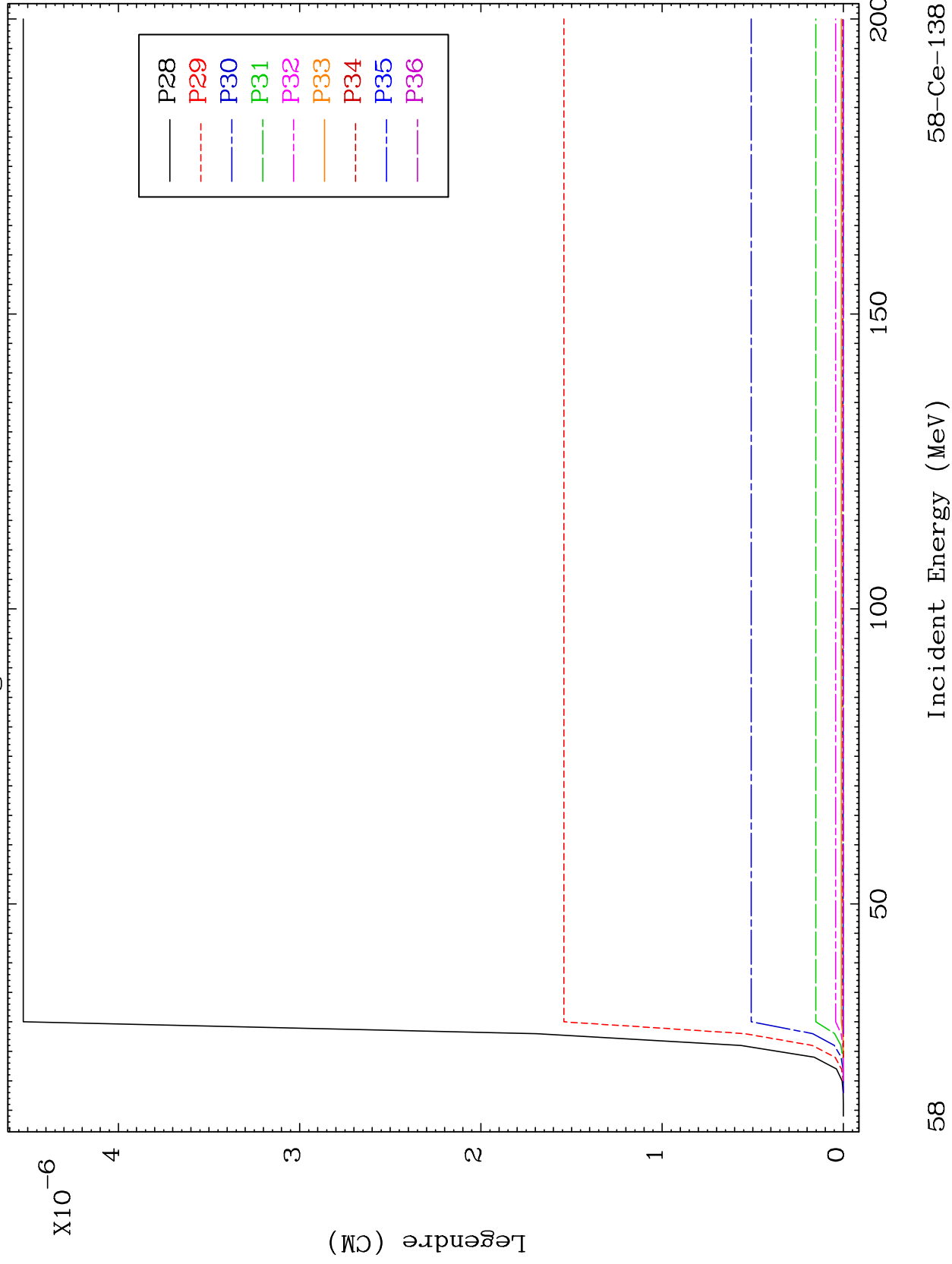
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

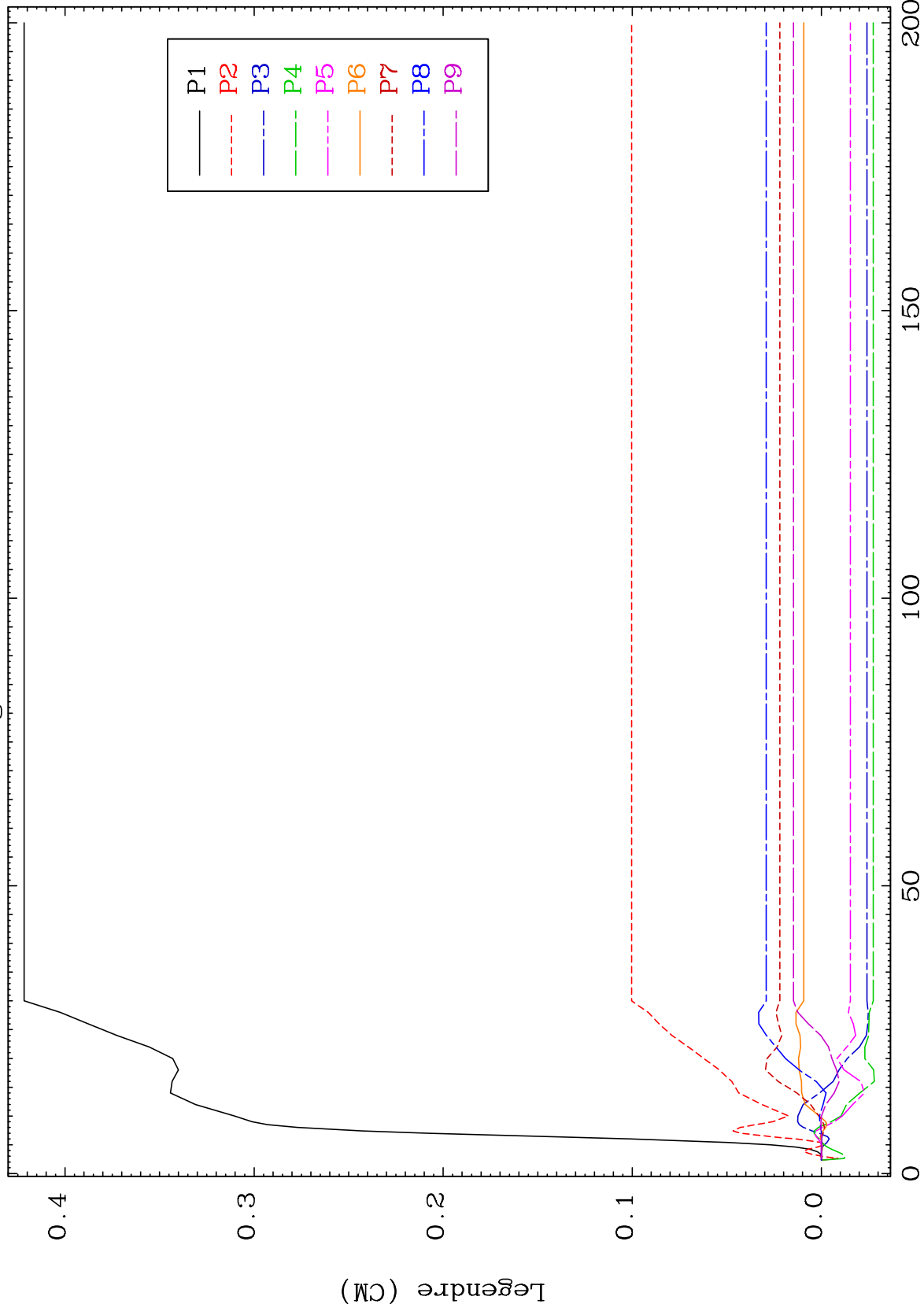
58-Ce-138



MAT 5831

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

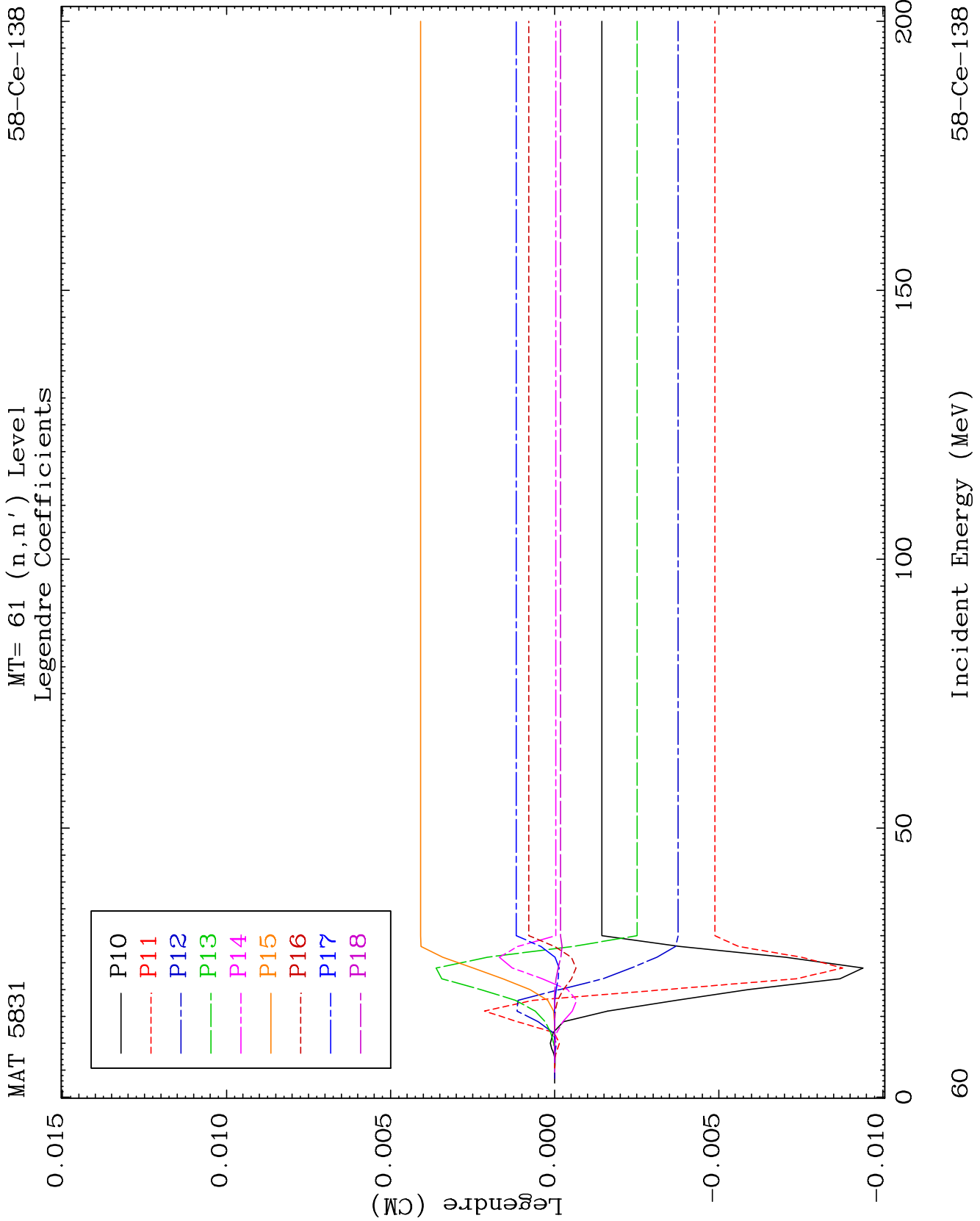
58-Ce-138



59

Incident Energy (MeV)

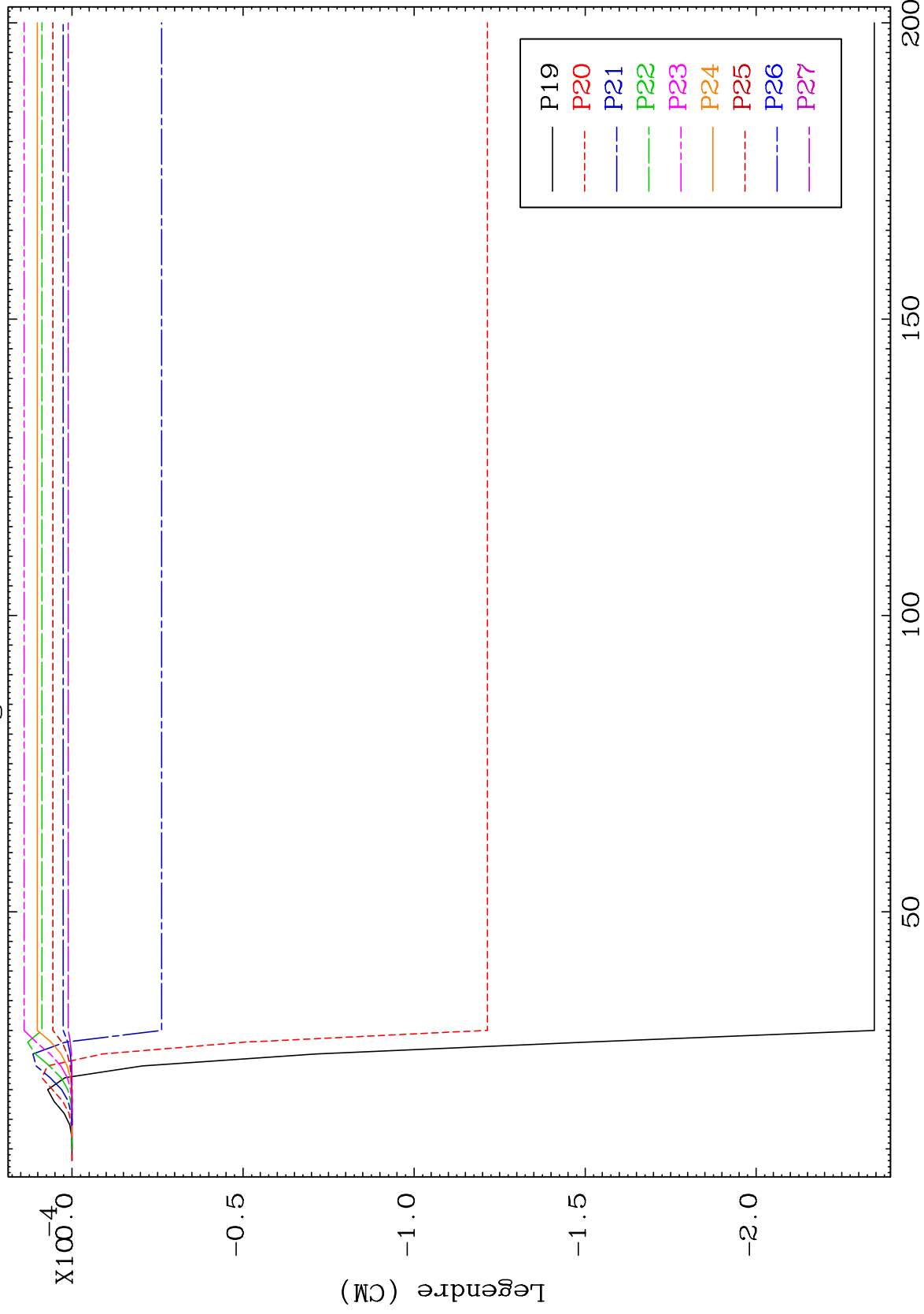
58-Ce-138



MAT 5831

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

58-Ce-138



61

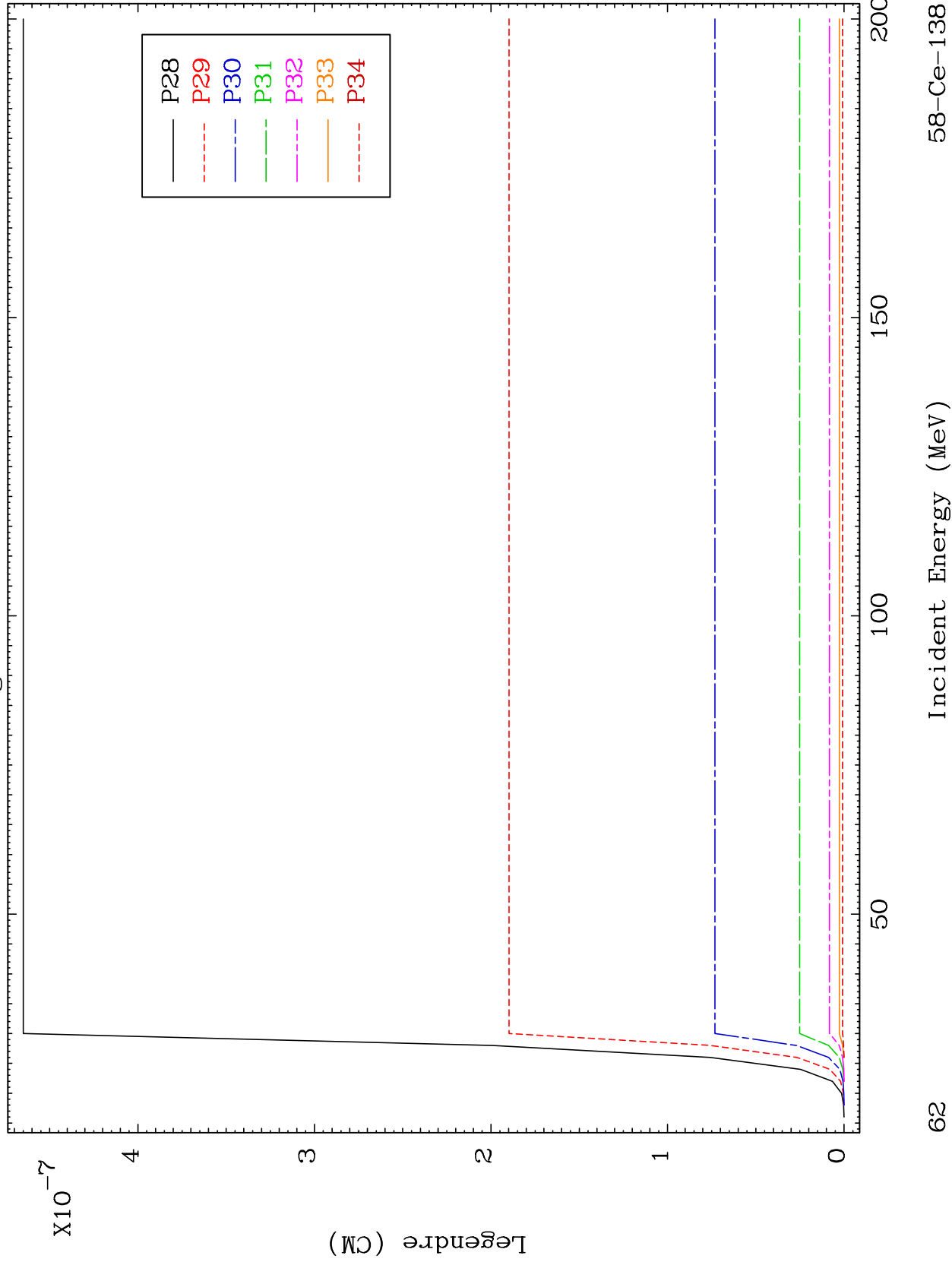
Incident Energy (MeV)

58-Ce-138

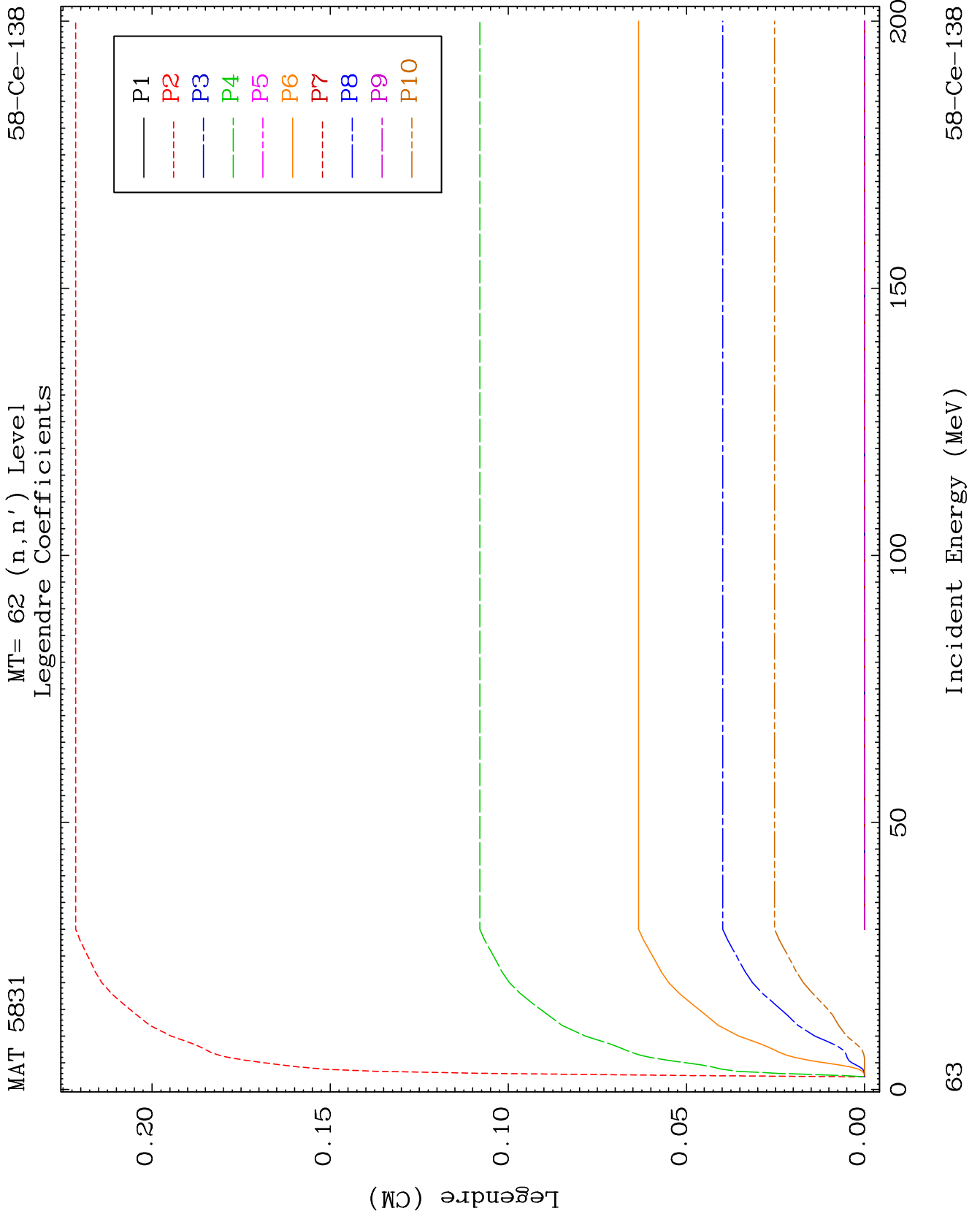
MAT 5831

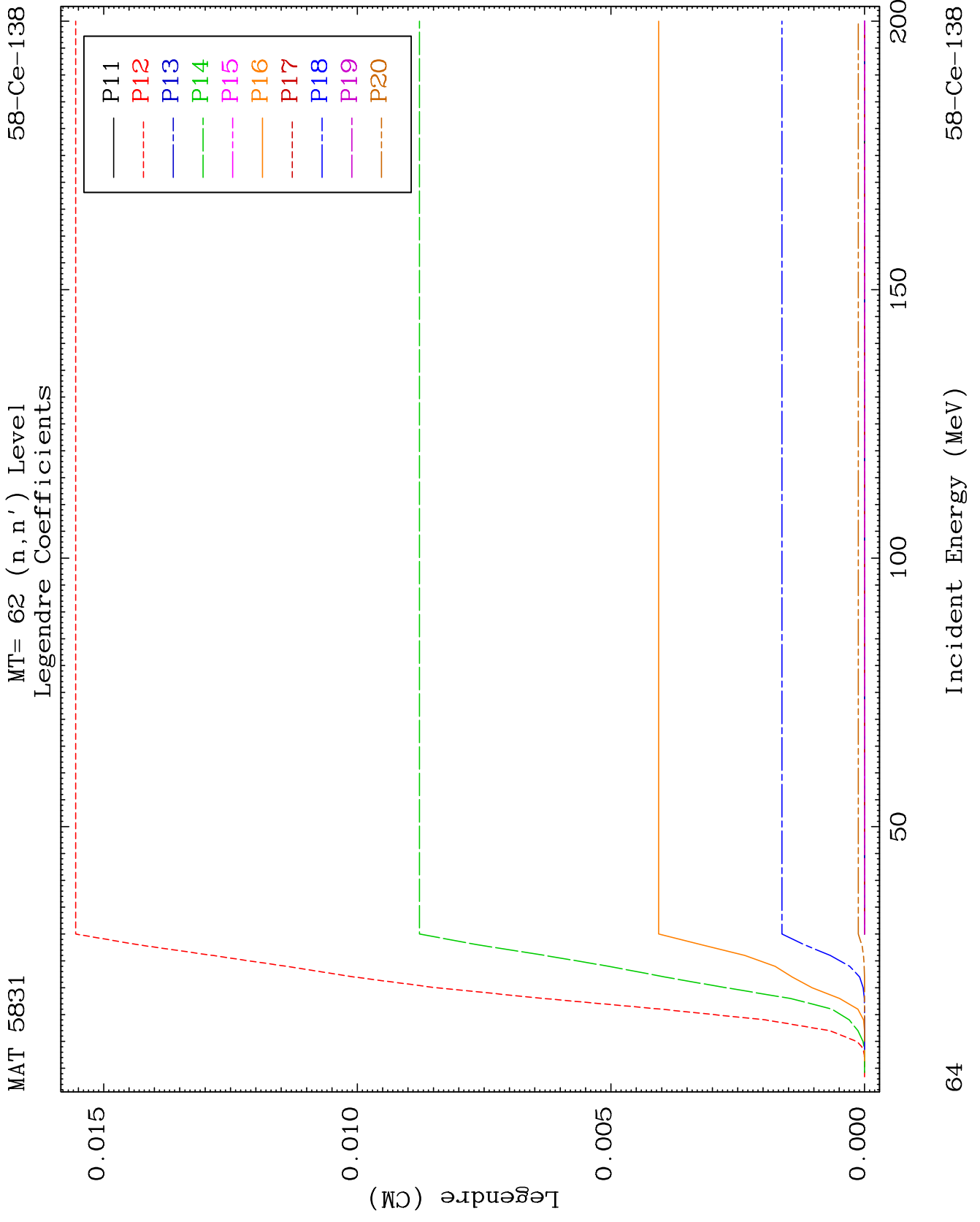
MT= 61 (n,n') Level
Legendre Coefficients

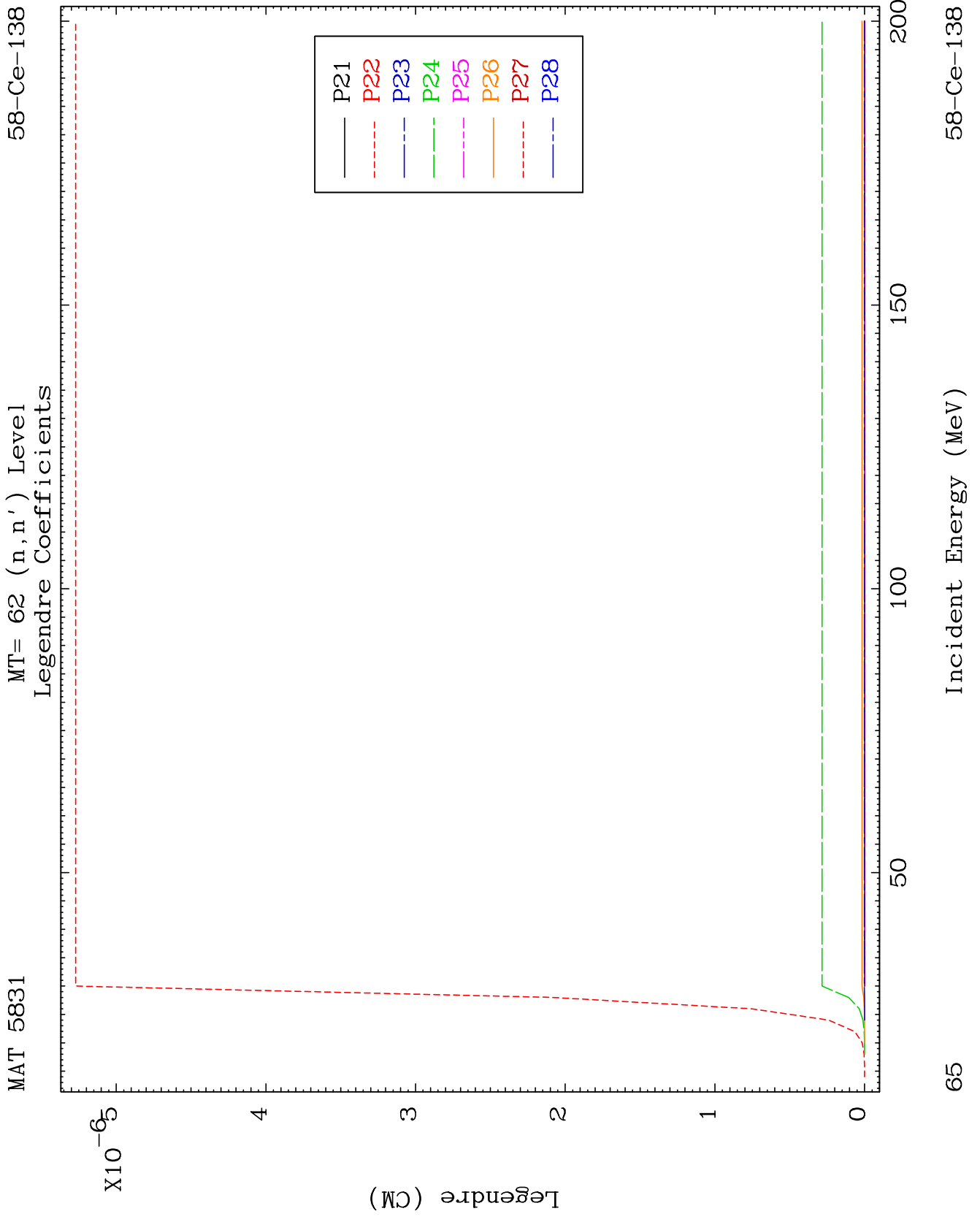
58-Ce-138



62



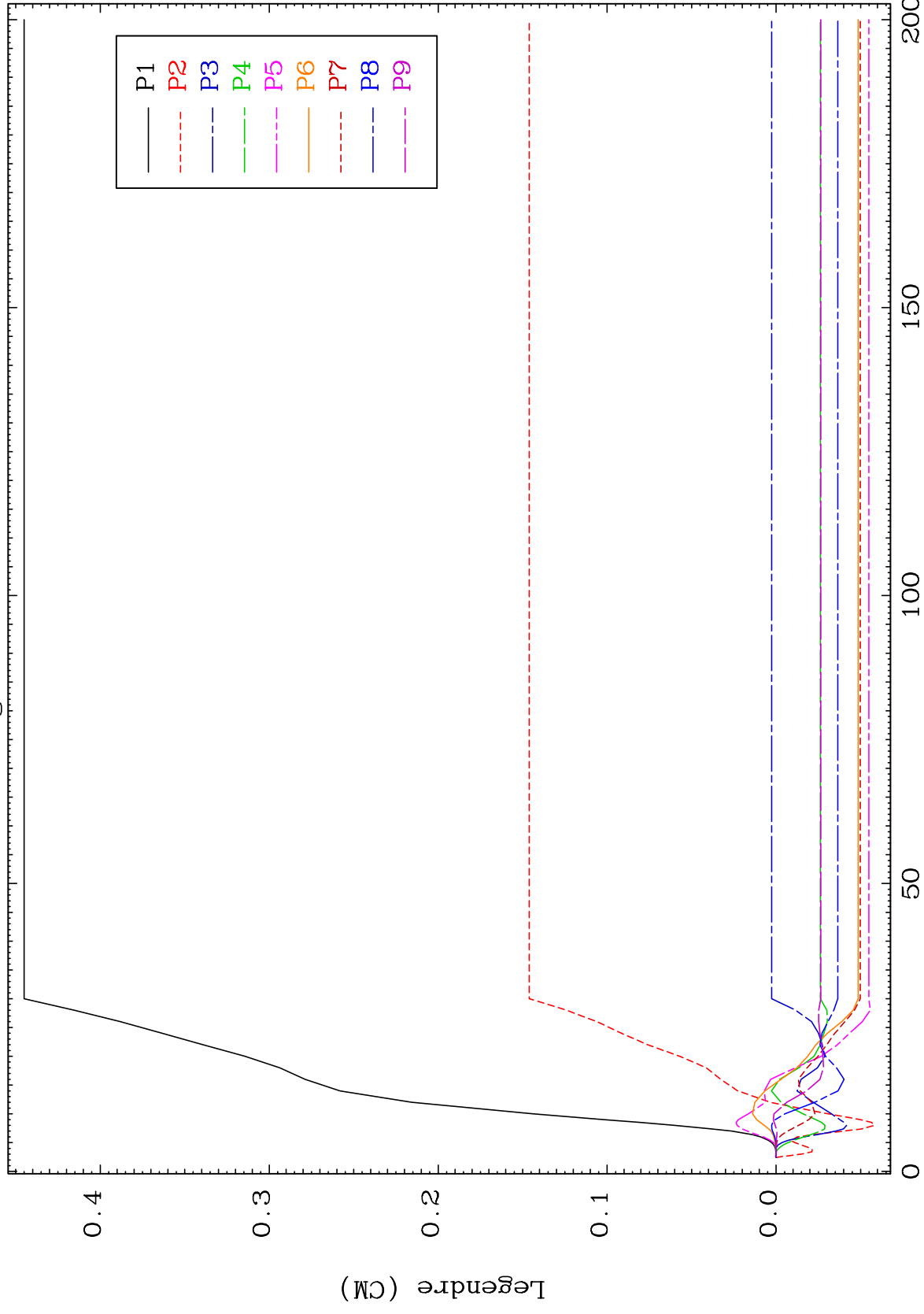




MAT 5831

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

58-Ce-138



66

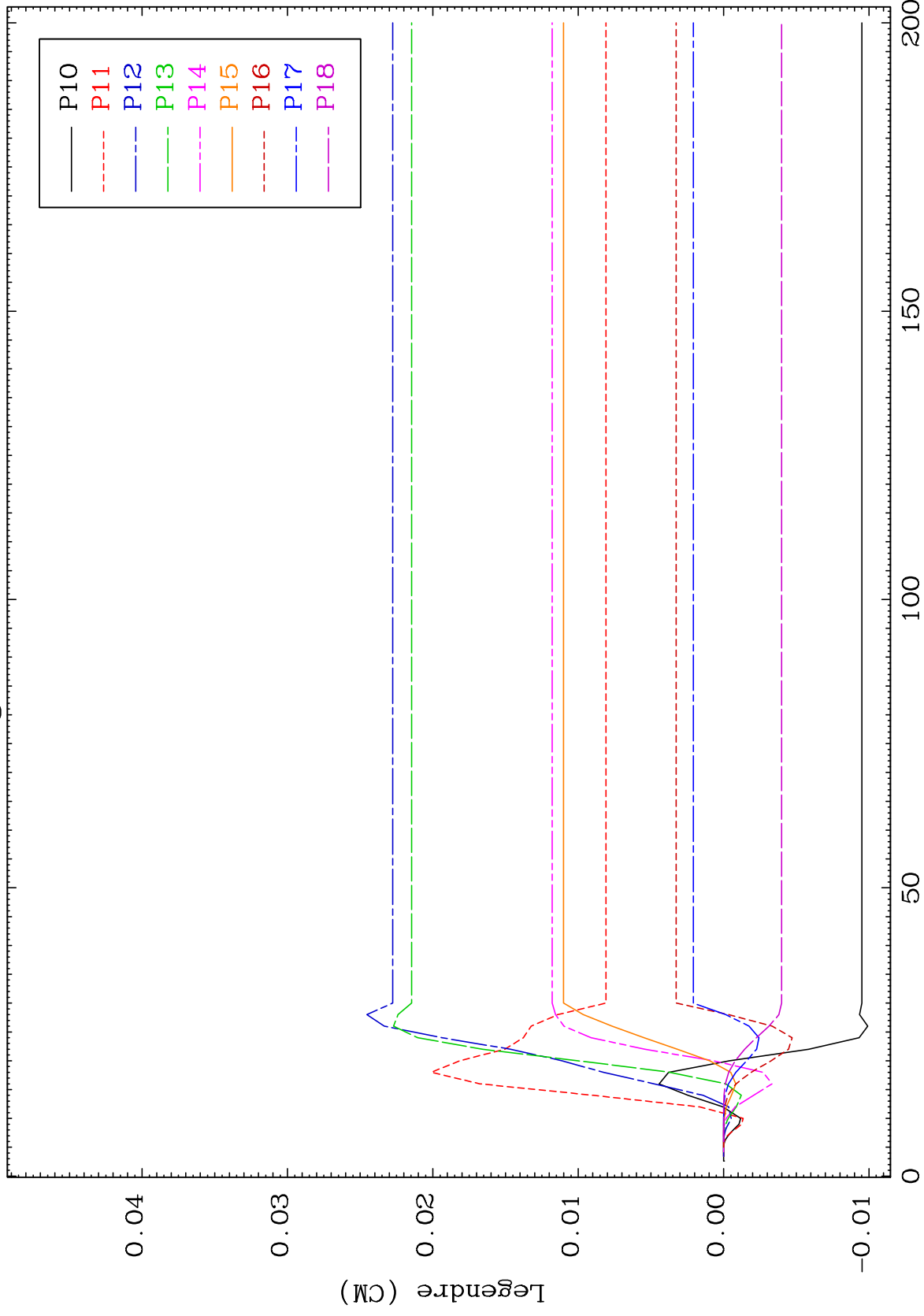
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

58-Ce-138



67

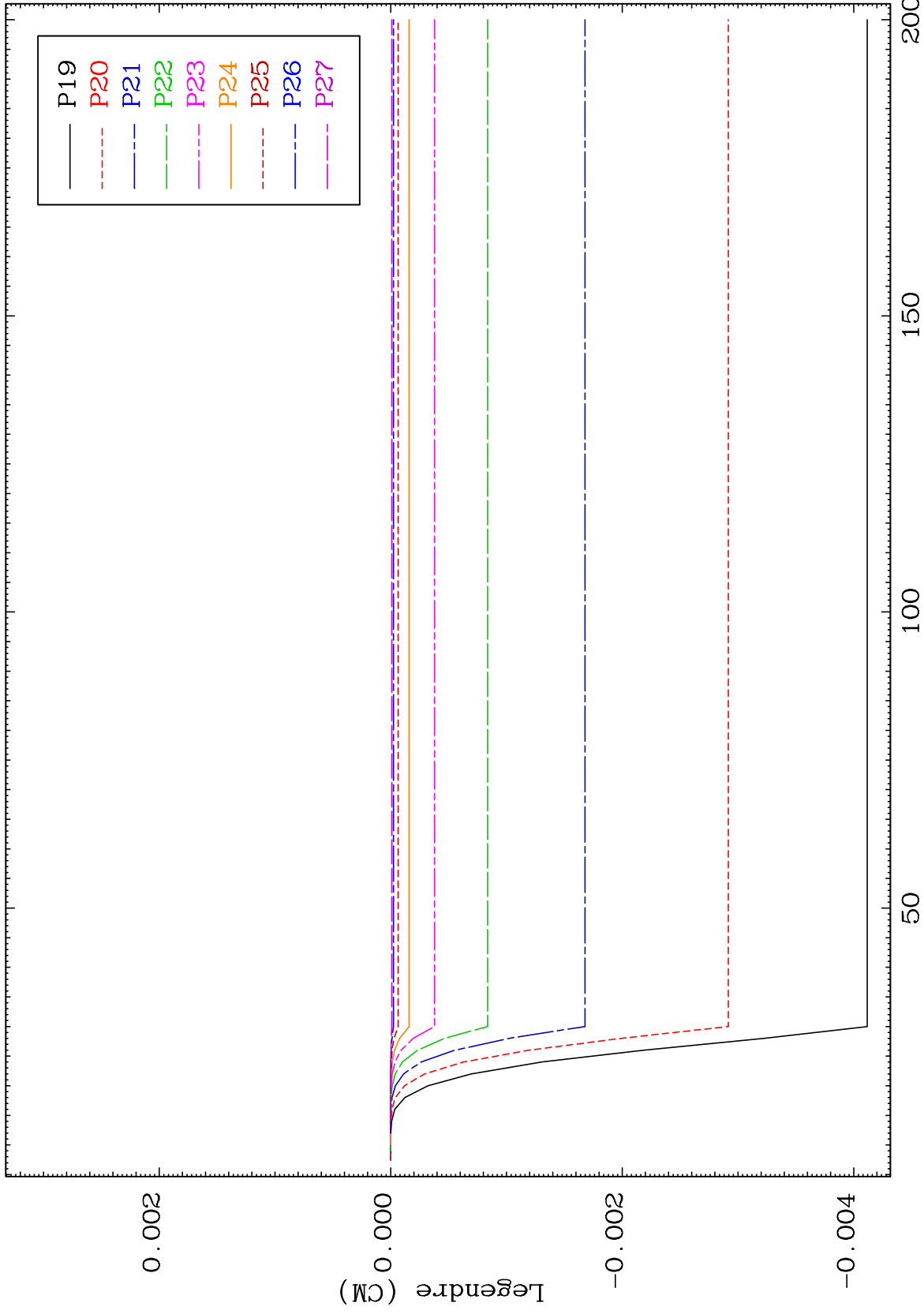
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

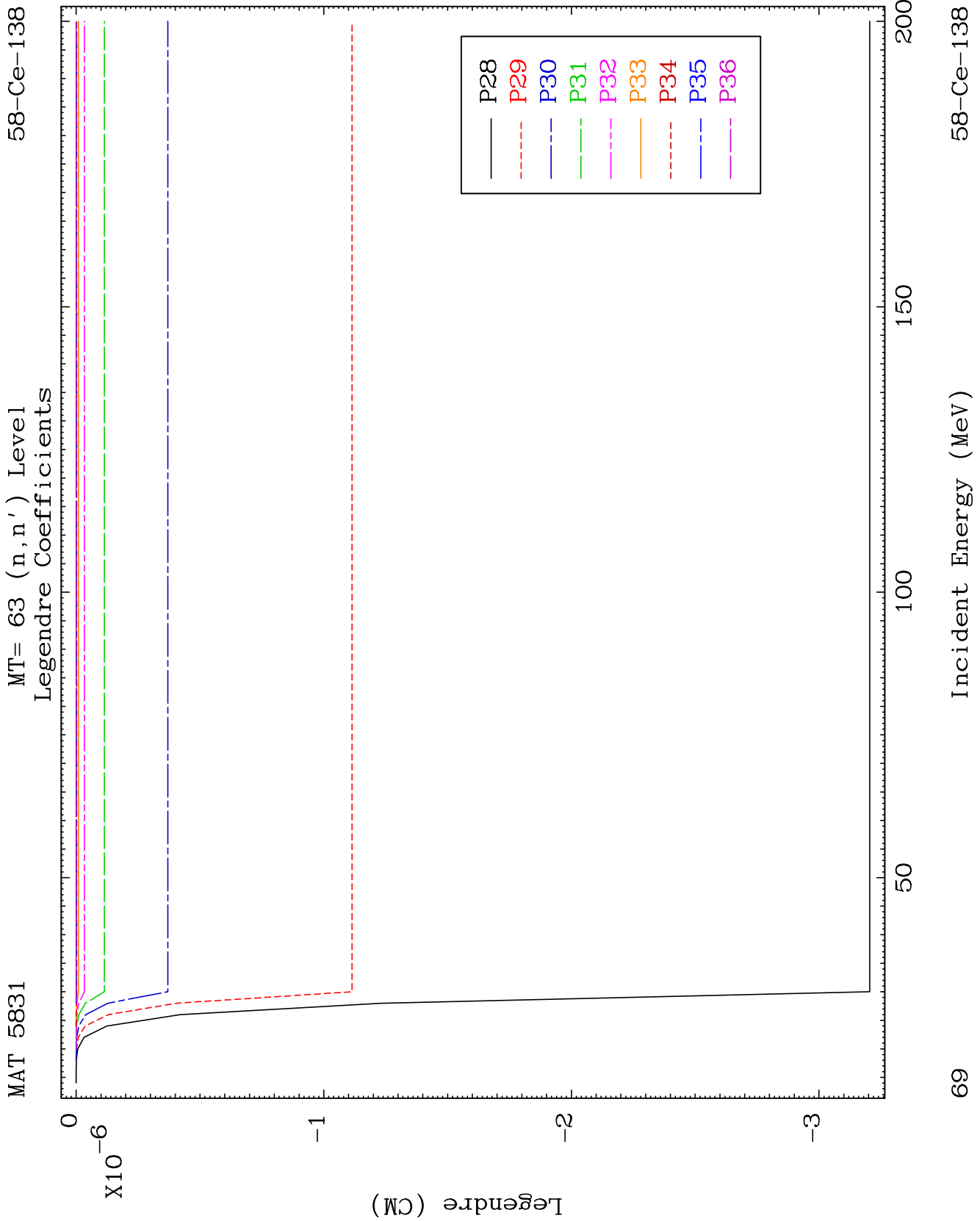
58-Ce-138



68

Incident Energy (MeV)

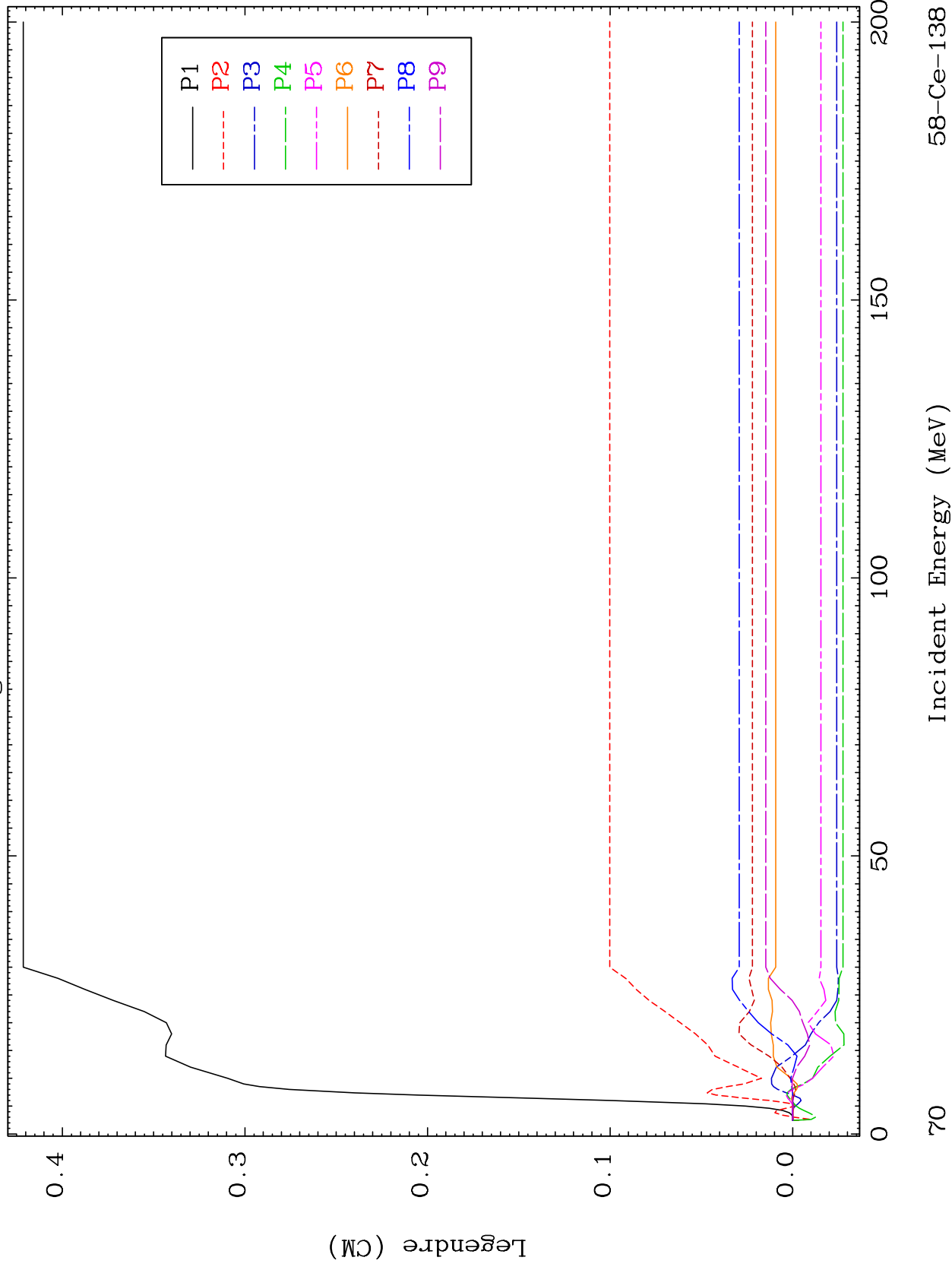
58-Ce-138



MAT 5831

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

58-Ce-138



58-Ce-138

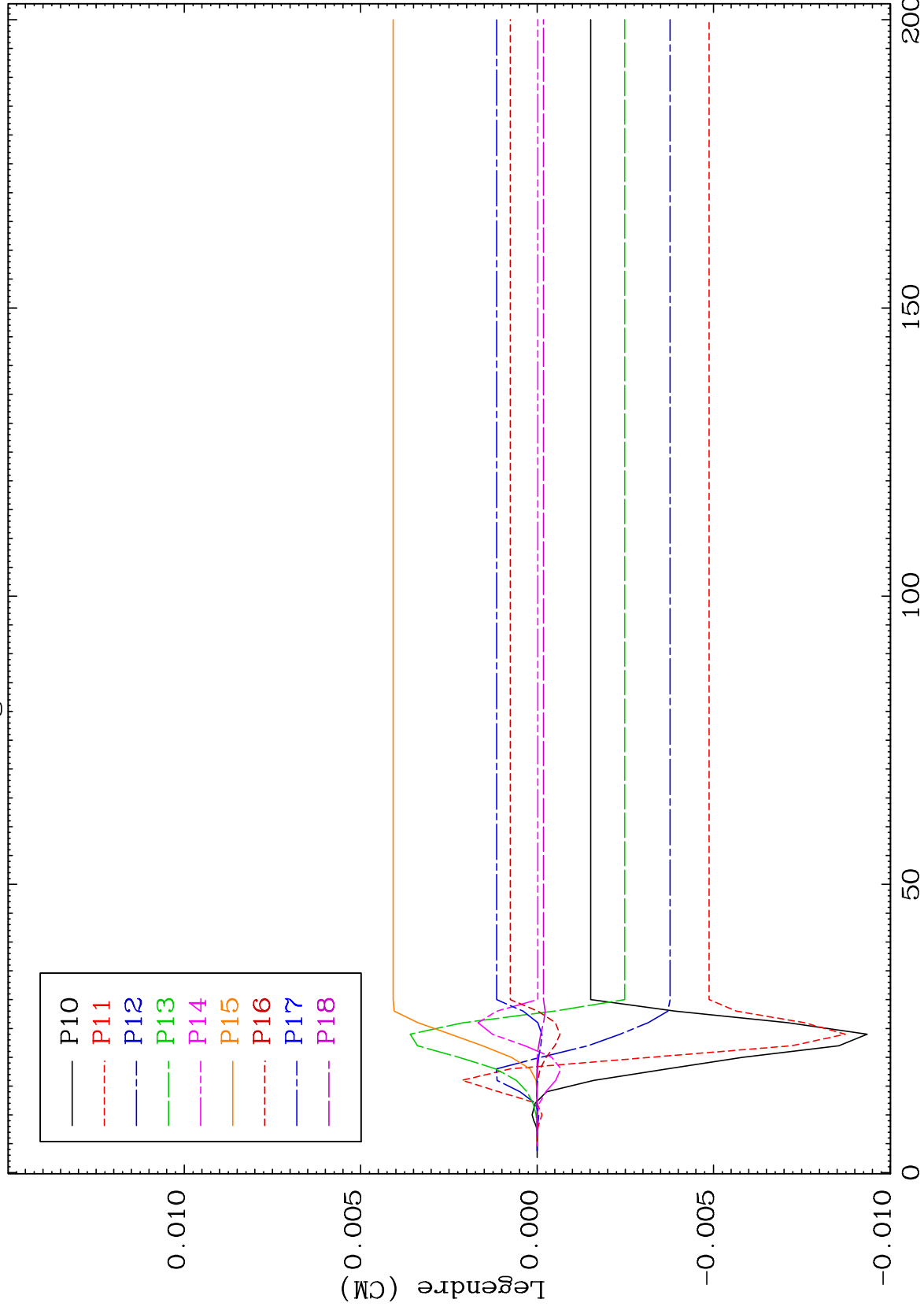
Incident Energy (MeV)

70

MAT 5831

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

58-Ce-138



71

Incident Energy (MeV)

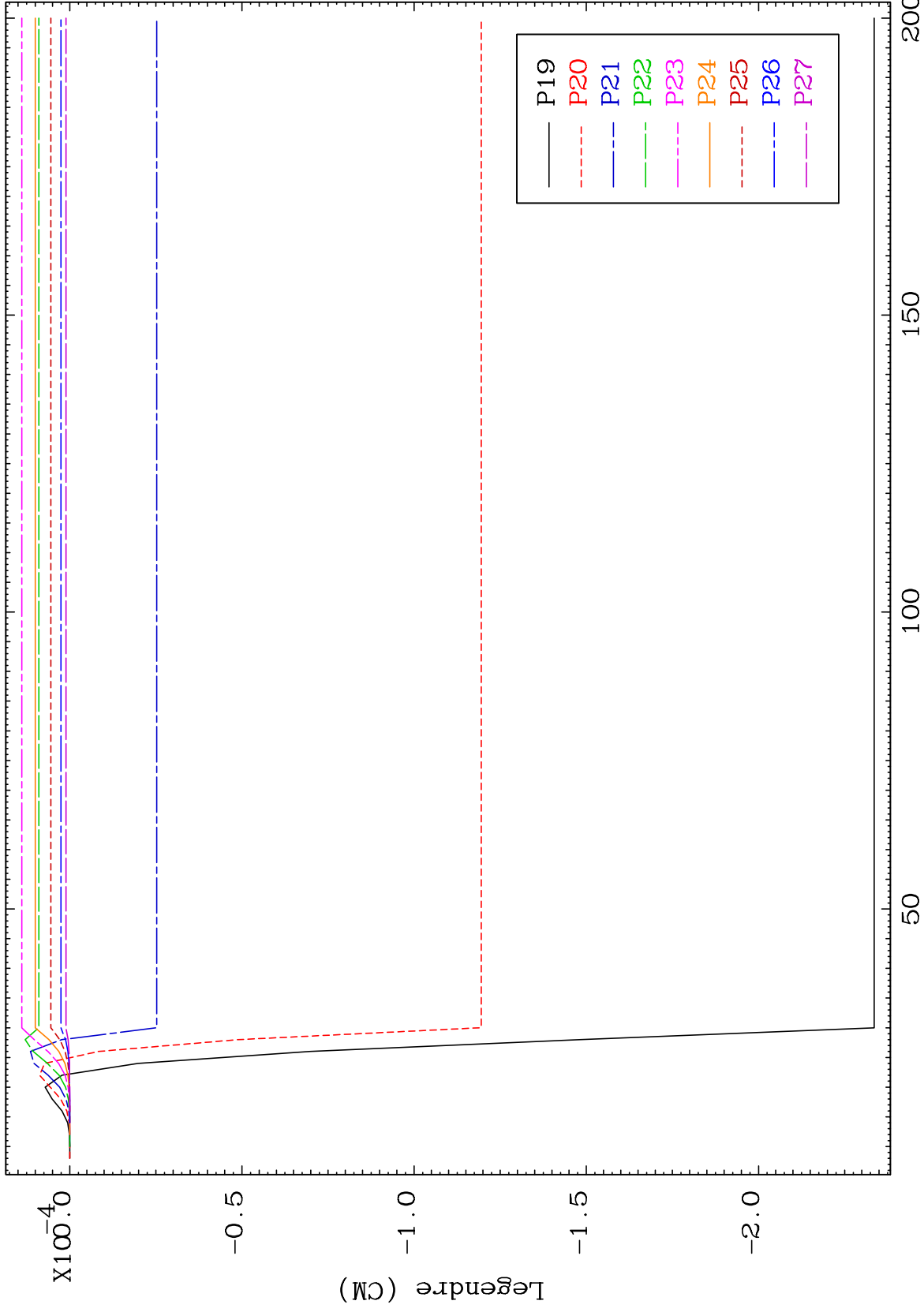
58-Ce-138

MAT 5831

MT= 64 (n,n') Level

58-Ce-138

Legendre Coefficients



72

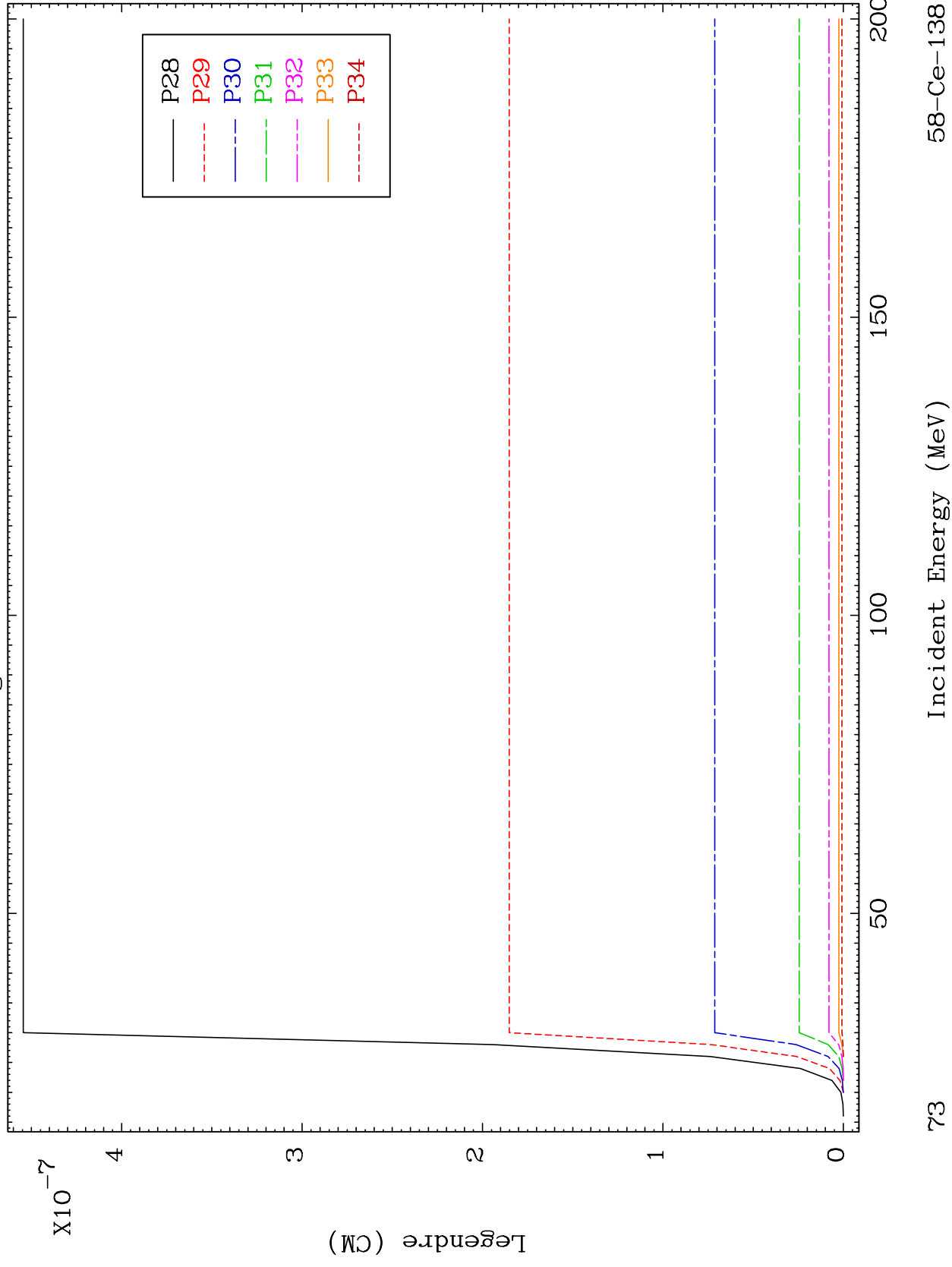
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

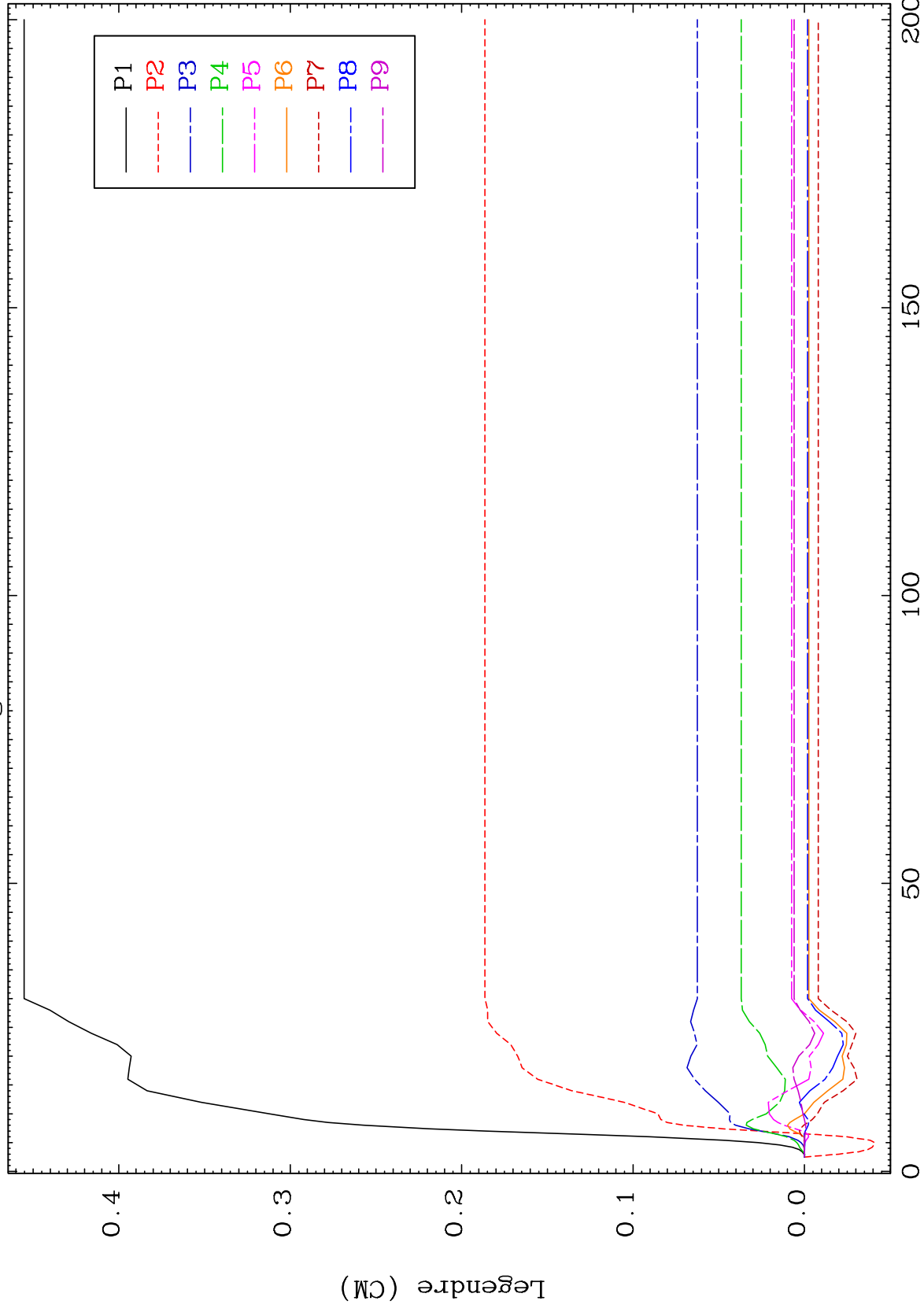
58-Ce-138



MAT 5831

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

58-Ce-138



74

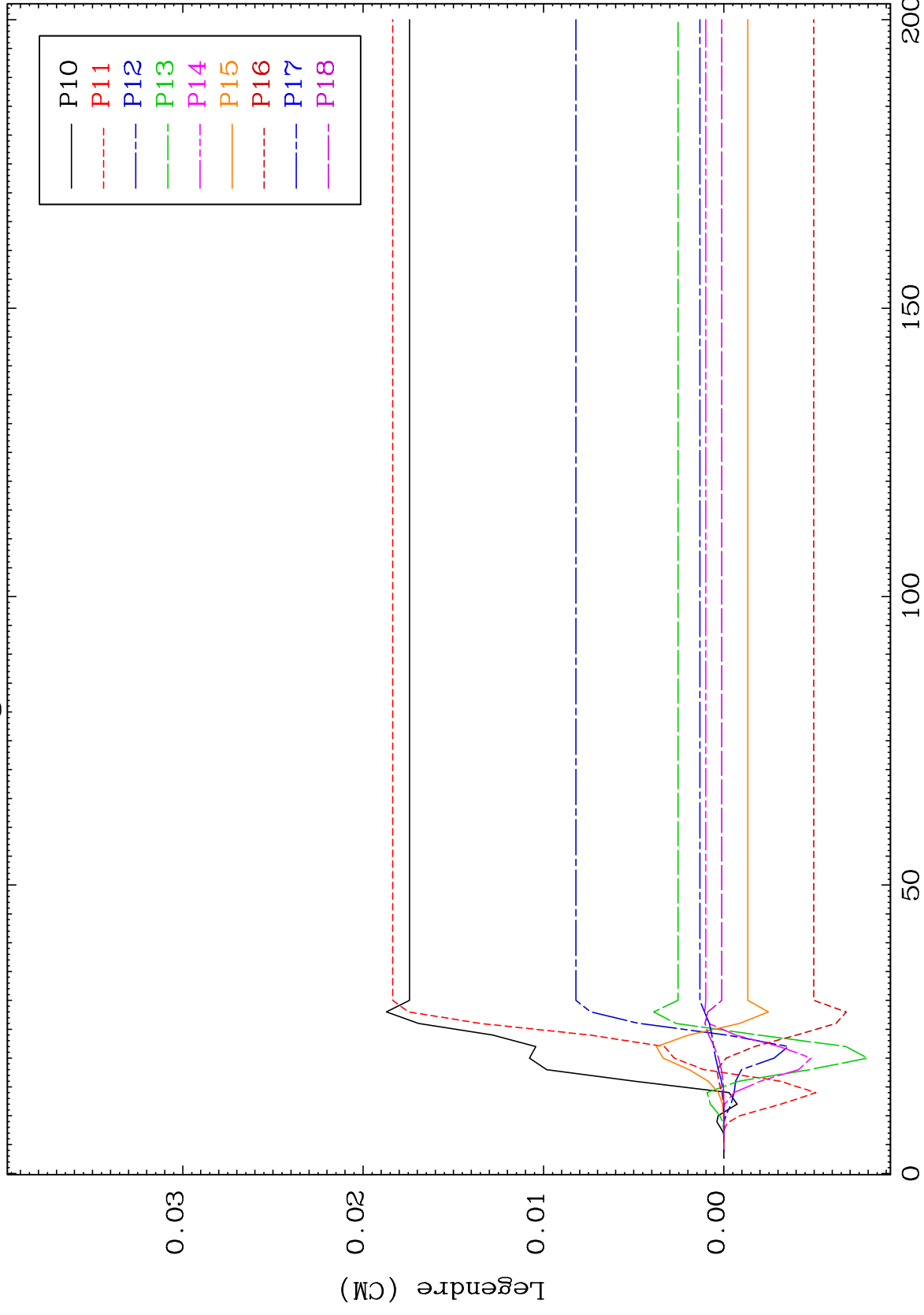
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

58-Ce-138



75

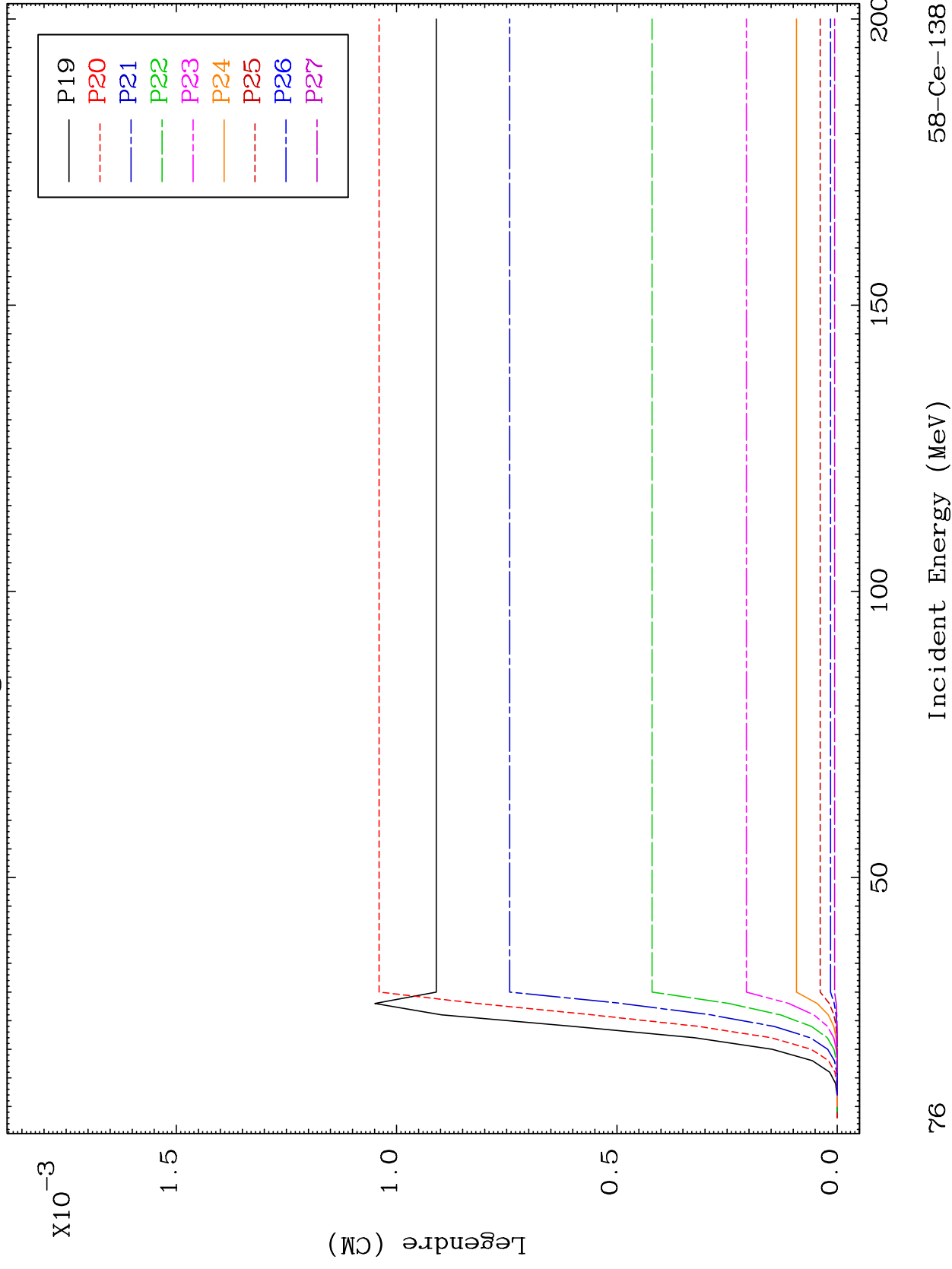
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

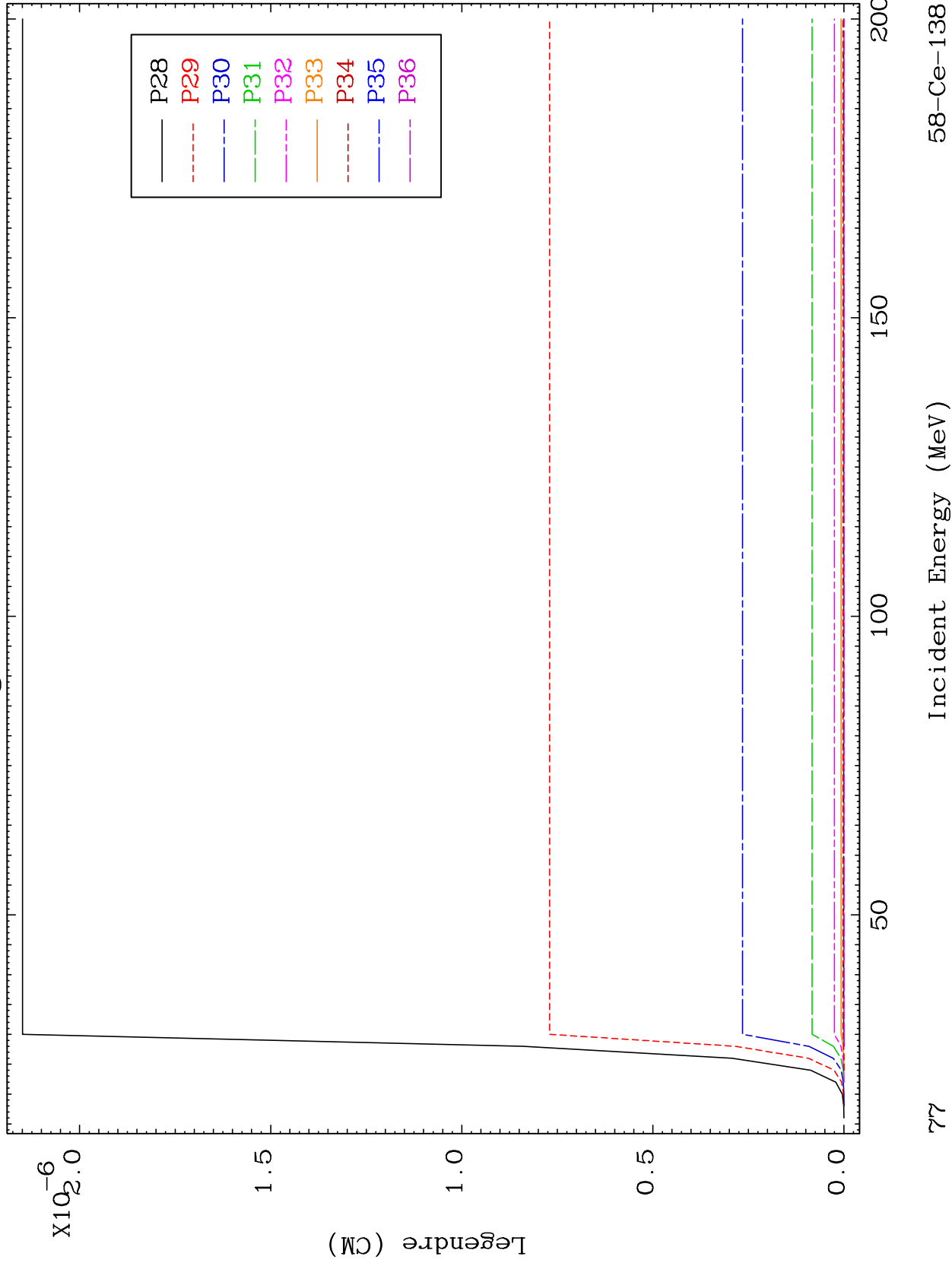
58-Ce-138



MAT 5831

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

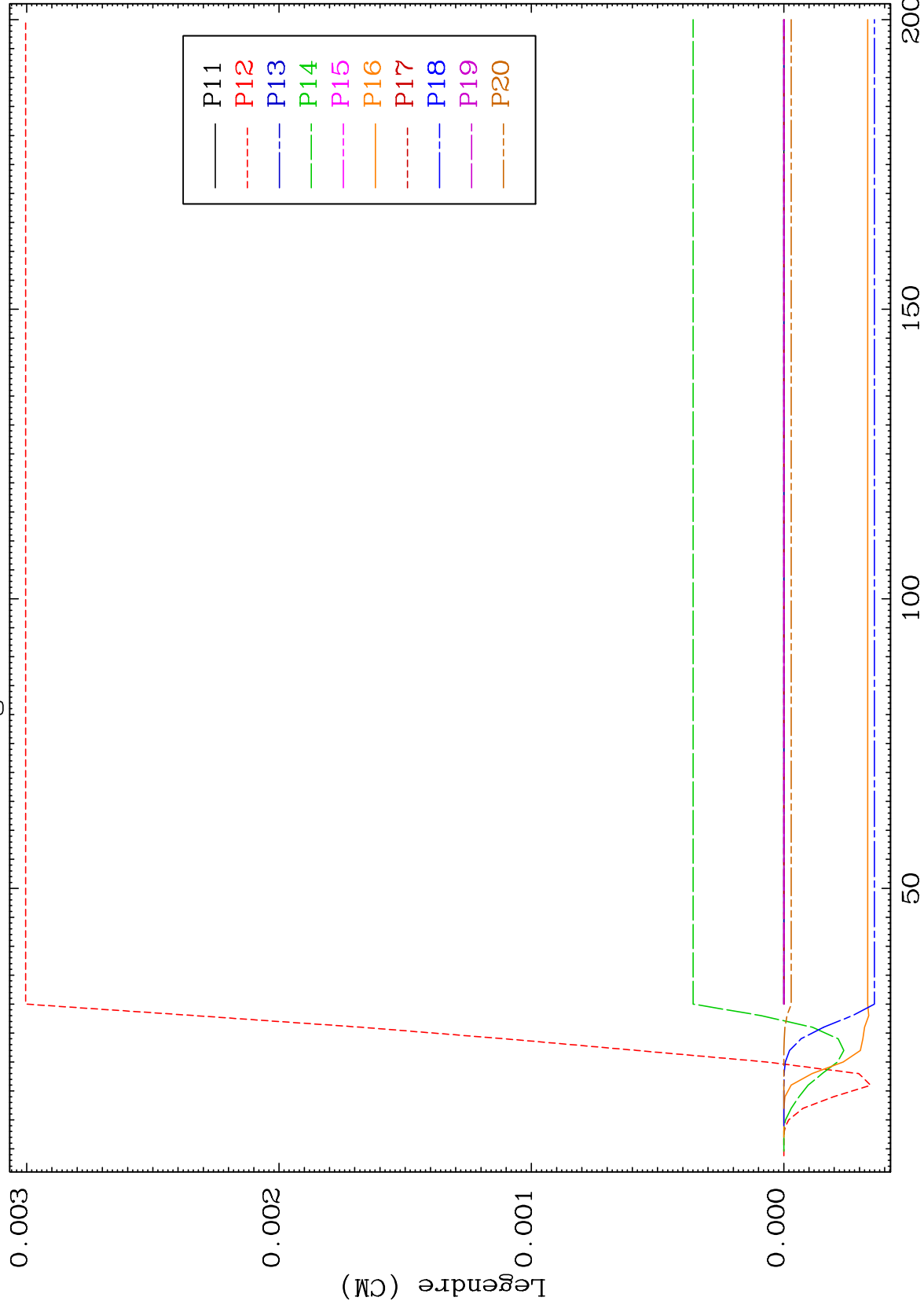
58-Ce-138



MAT 5831

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

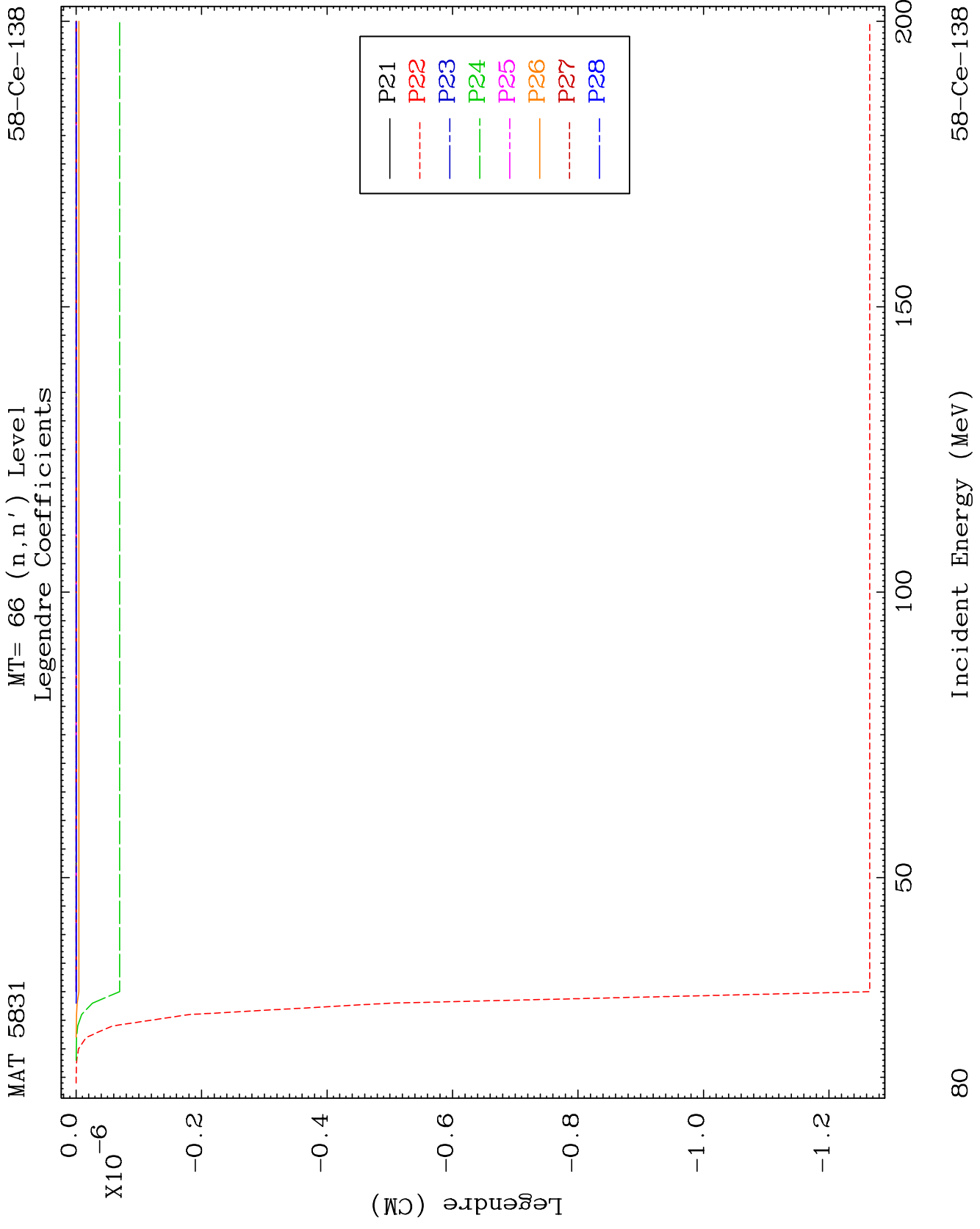
58-Ce-138

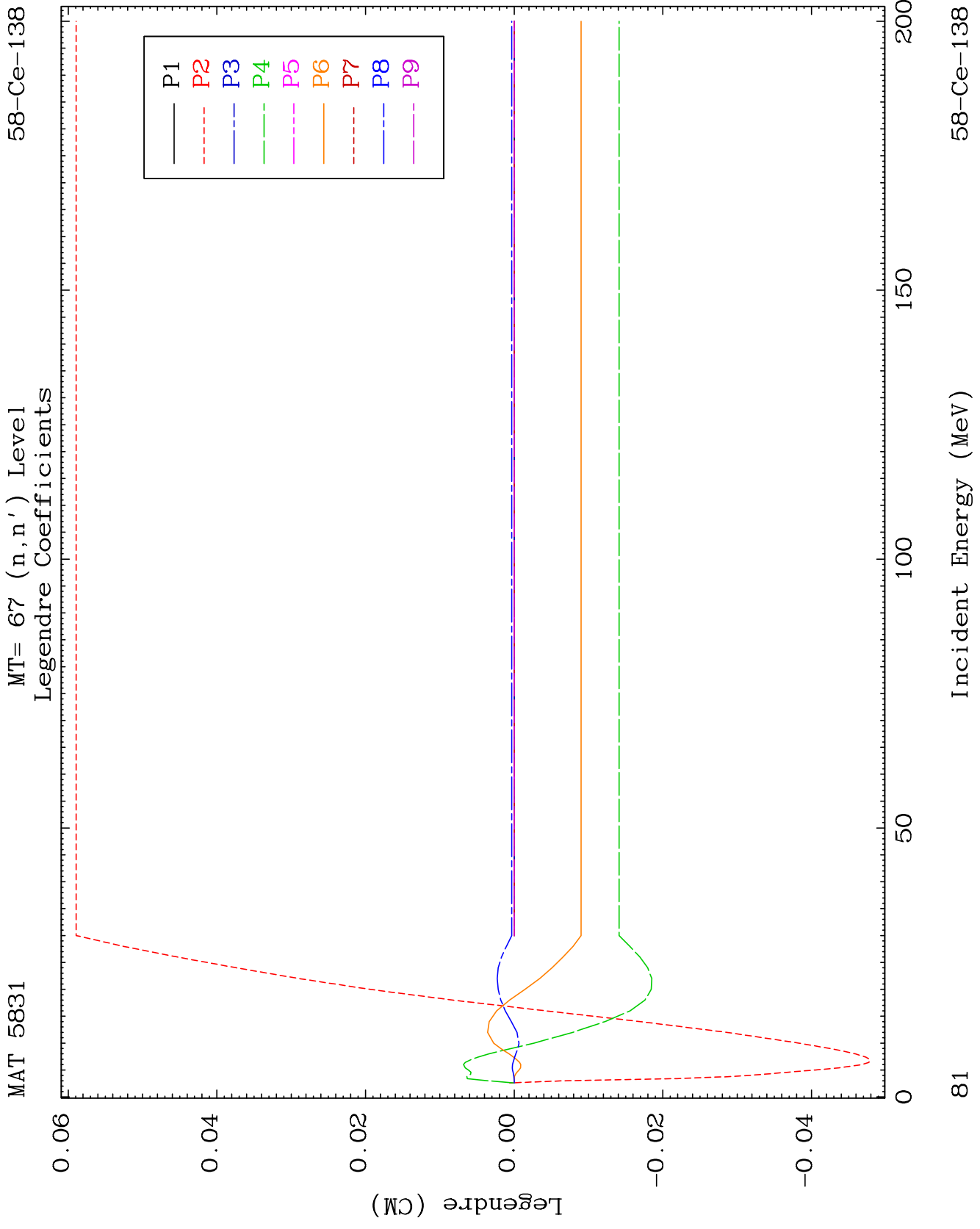


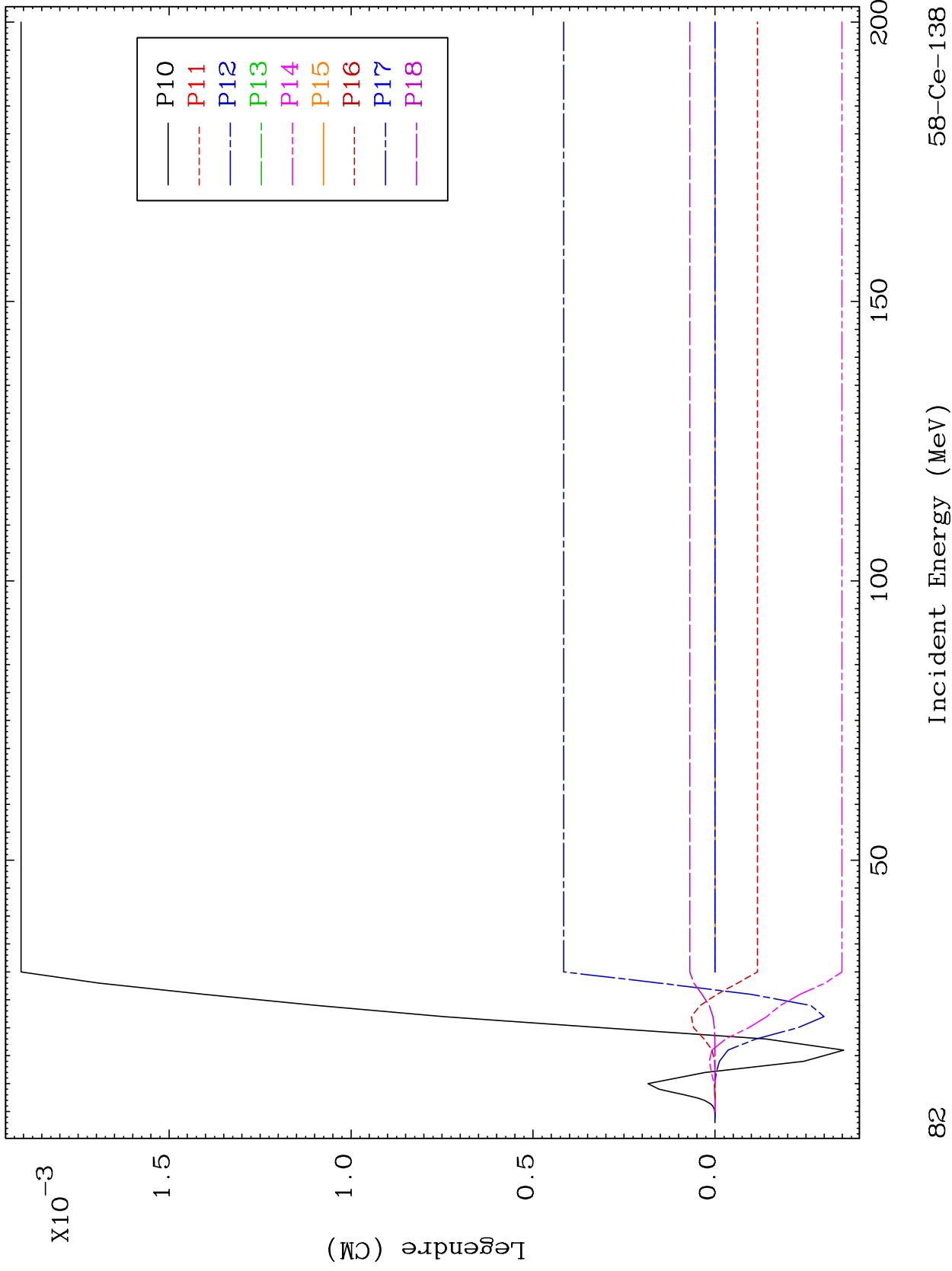
79

Incident Energy (MeV)

58-Ce-138



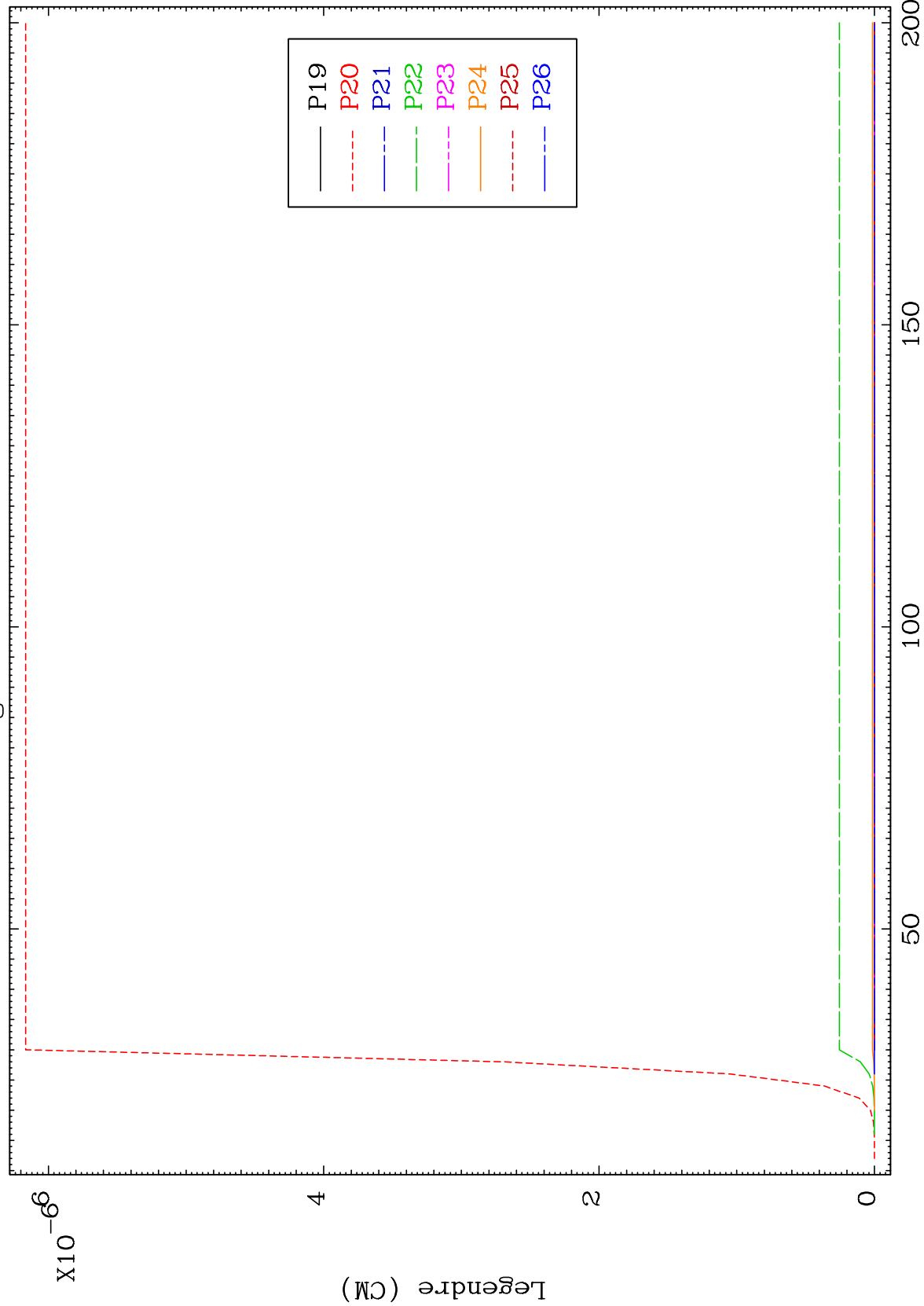




MAT 5831

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

58-Ce-138



58-Ce-138

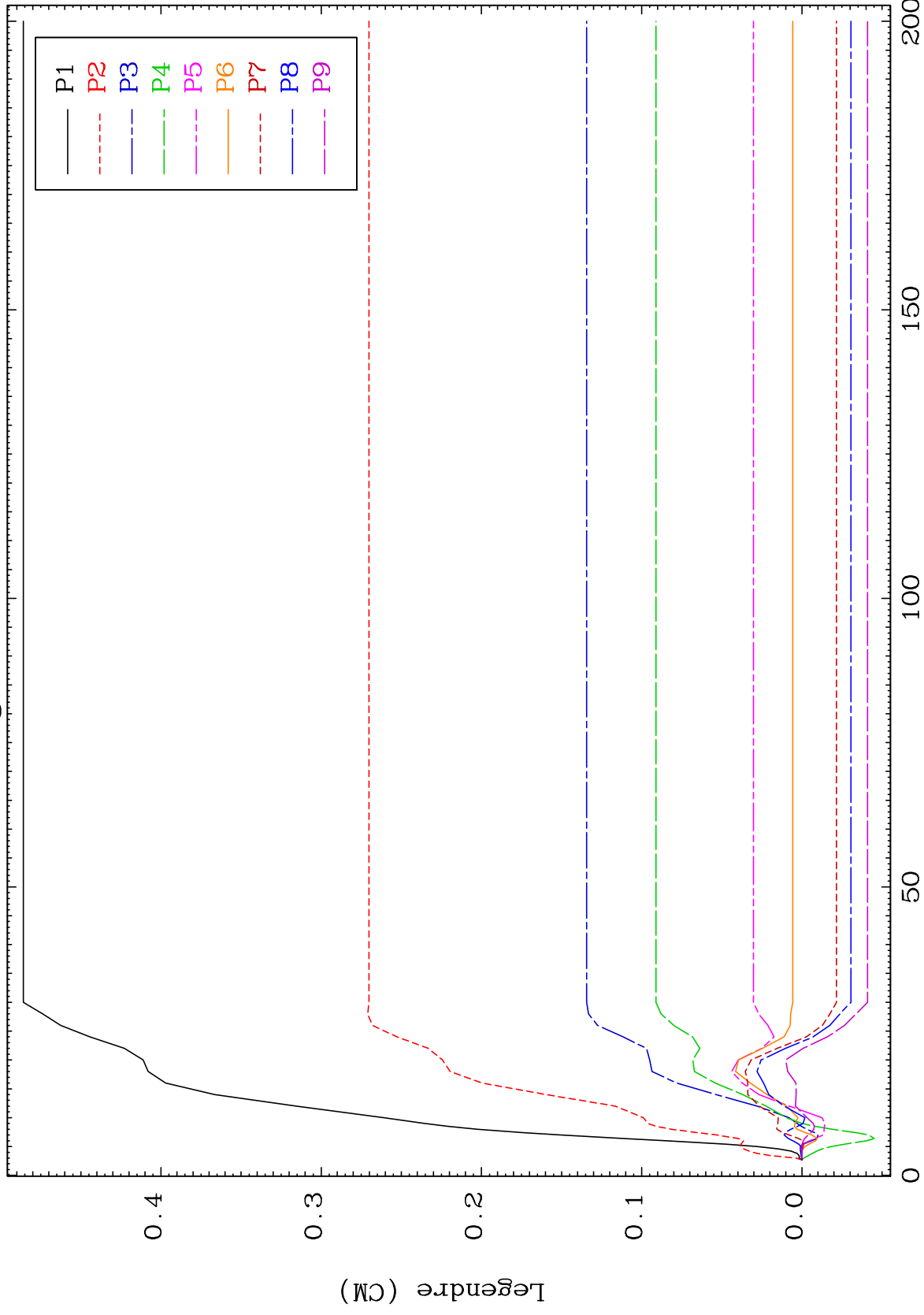
Incident Energy (MeV)

83

MAT 5831

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

58-Ce-138



84

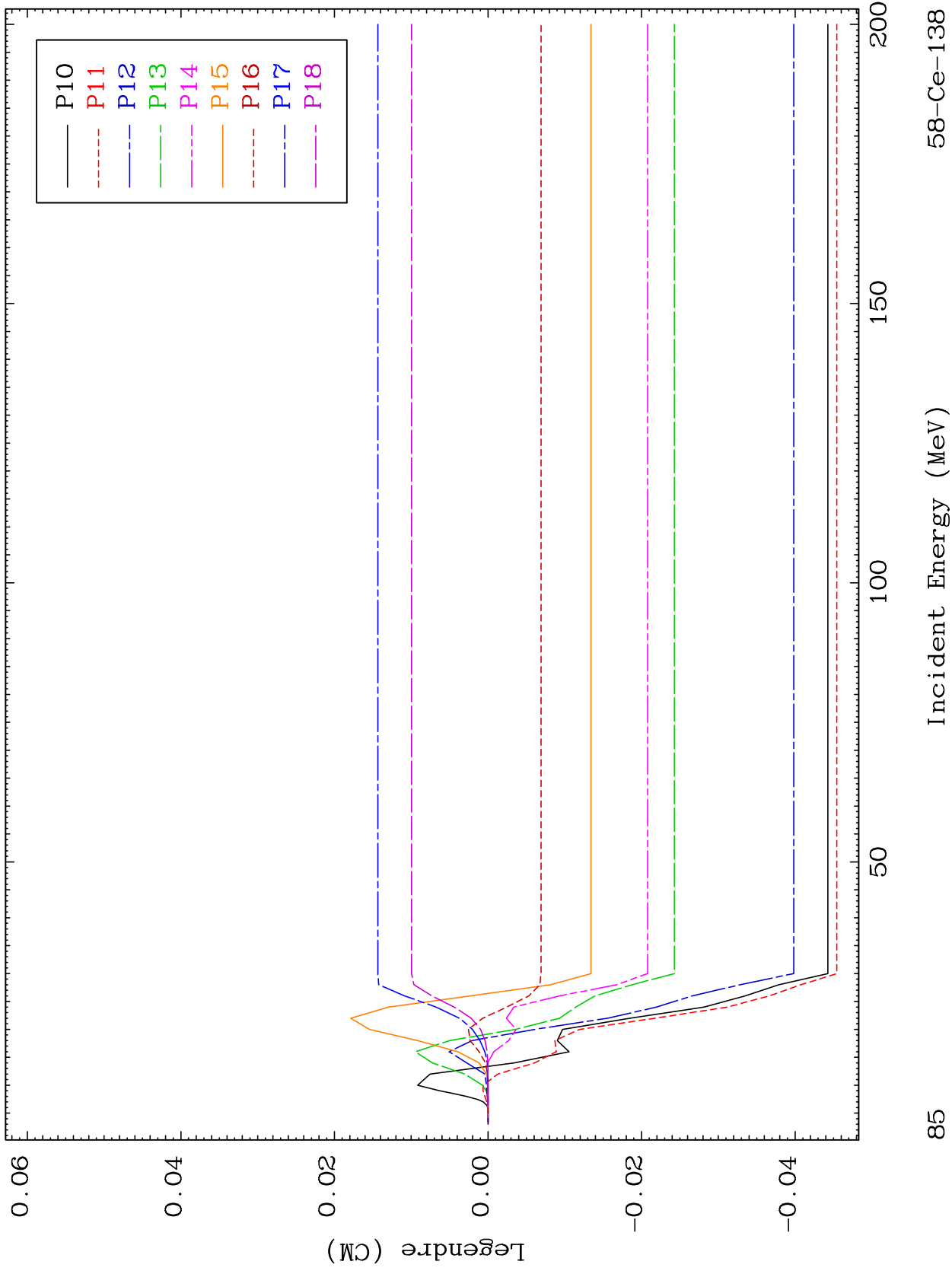
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

58-Ce-138



85

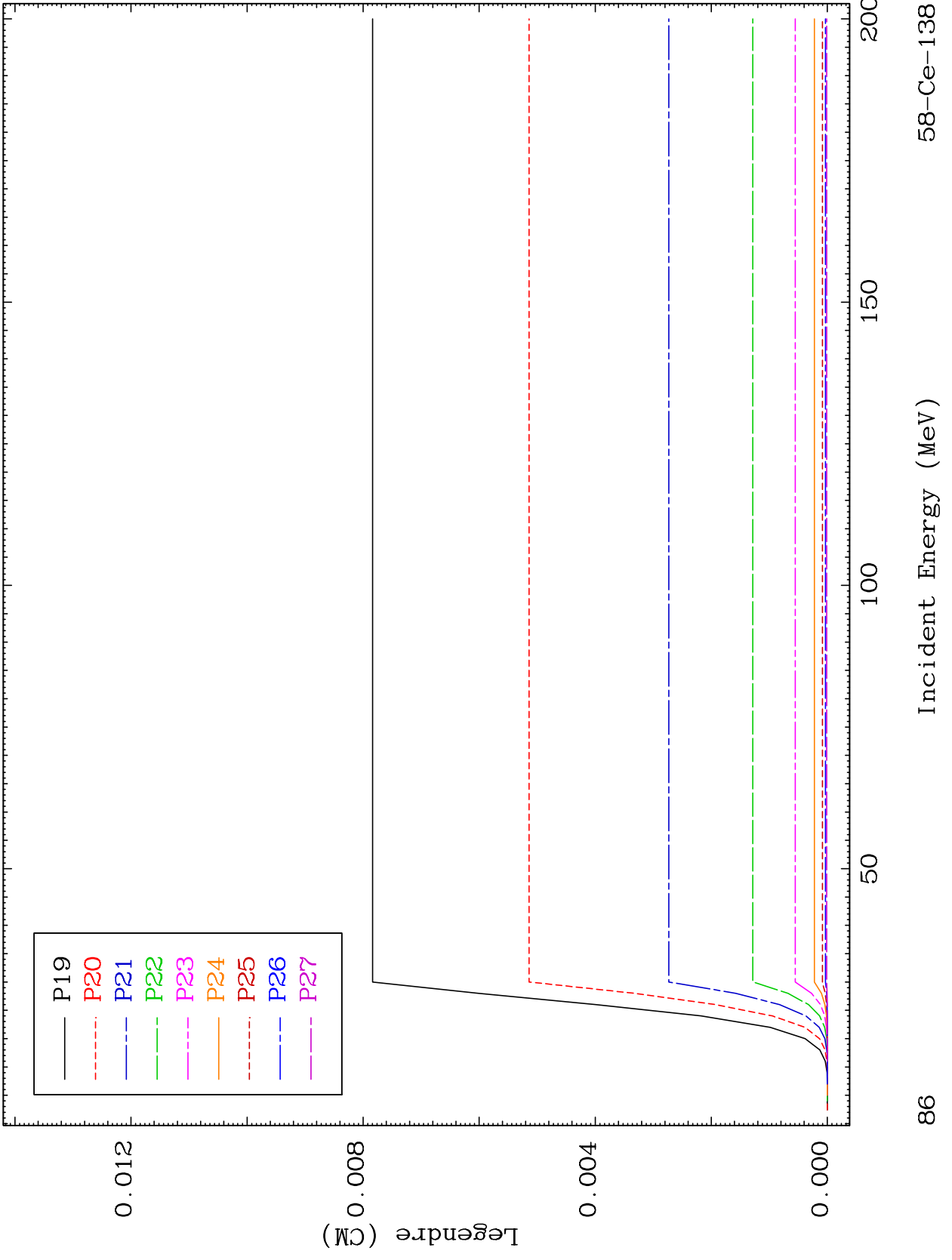
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

58-Ce-138



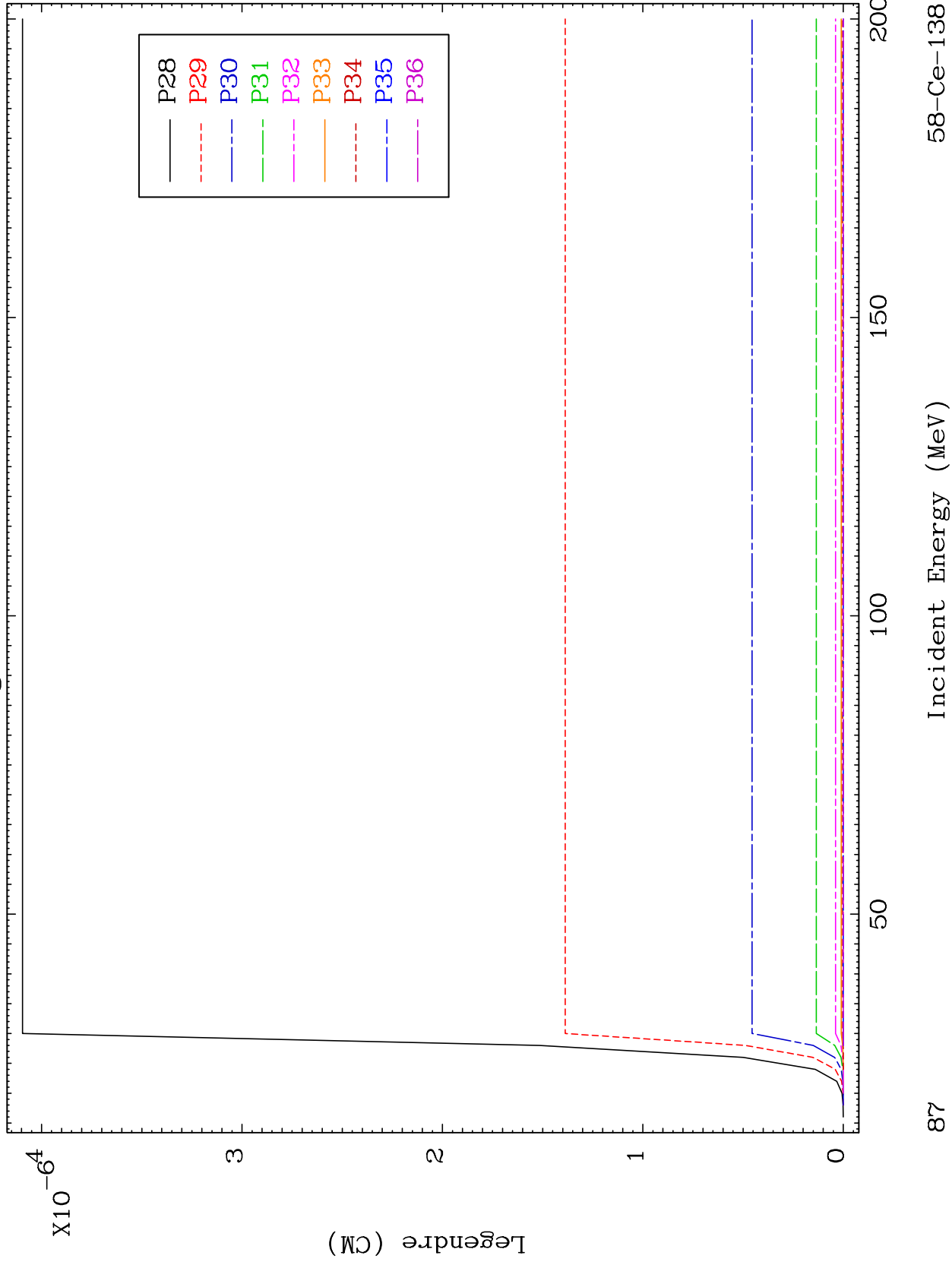
86

58-Ce-138

MAT 5831

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

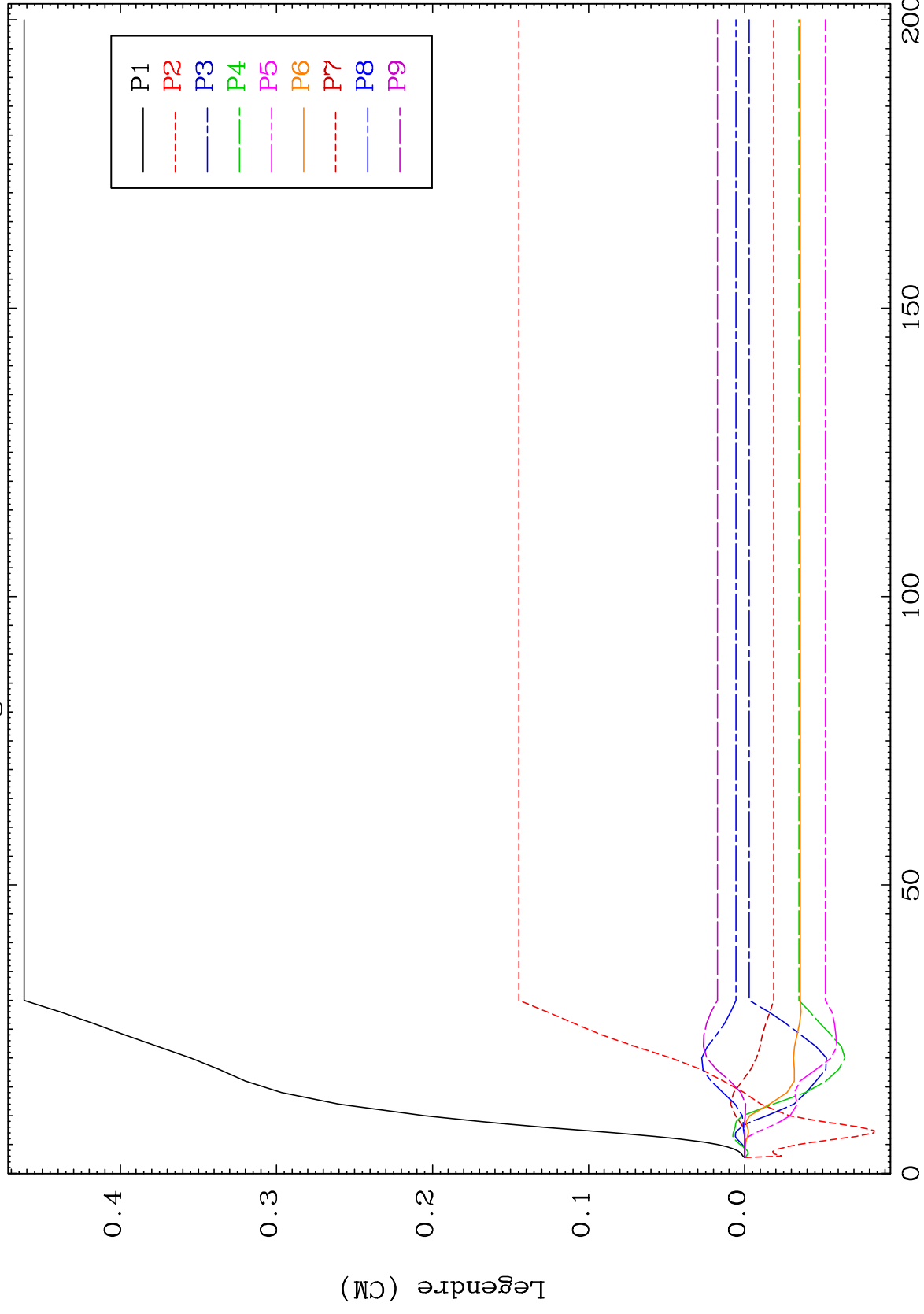
58-Ce-138



MAT 5831

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

58-Ce-138



58-Ce-138

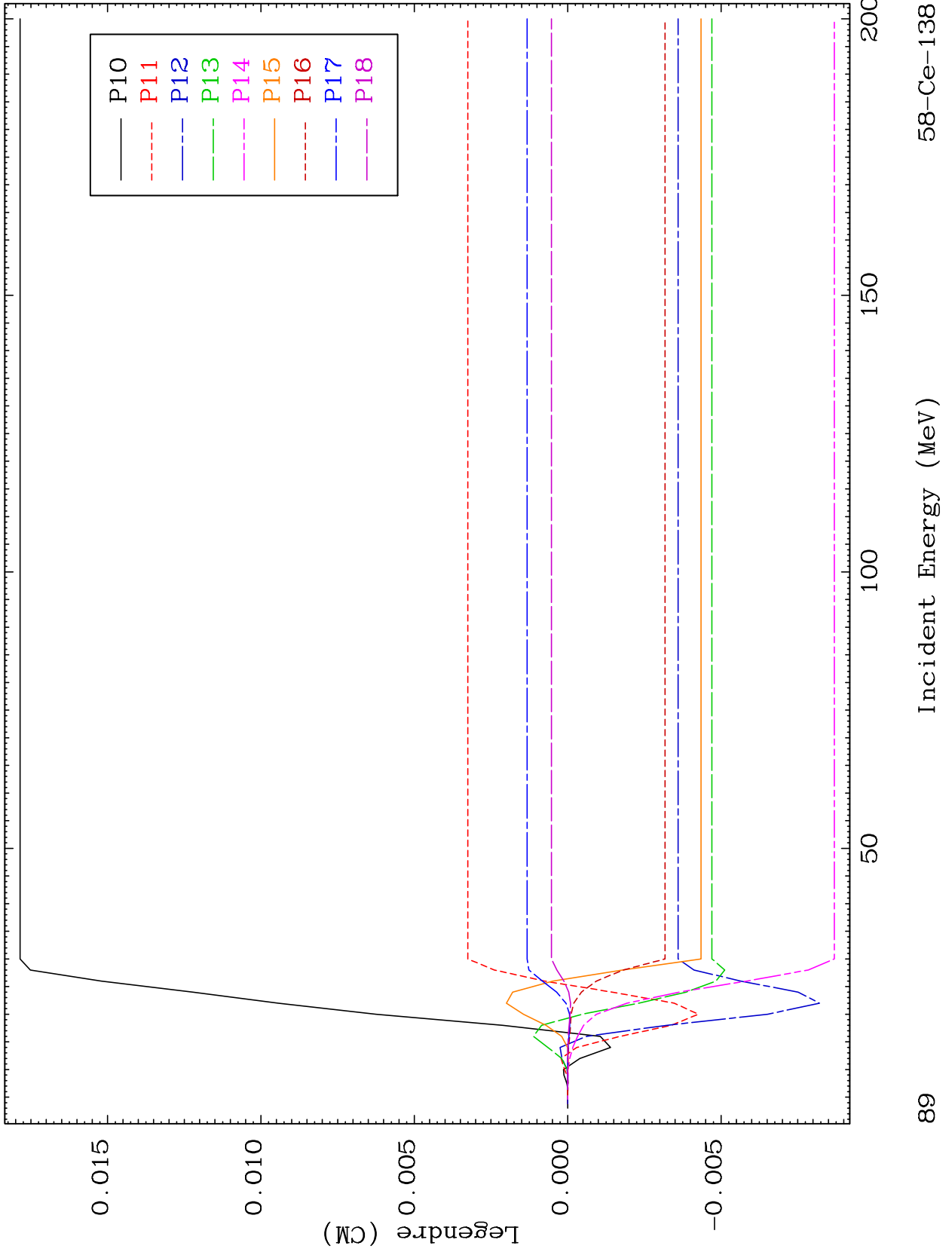
Incident Energy (MeV)

88

MAT 5831

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

58-Ce-138



89

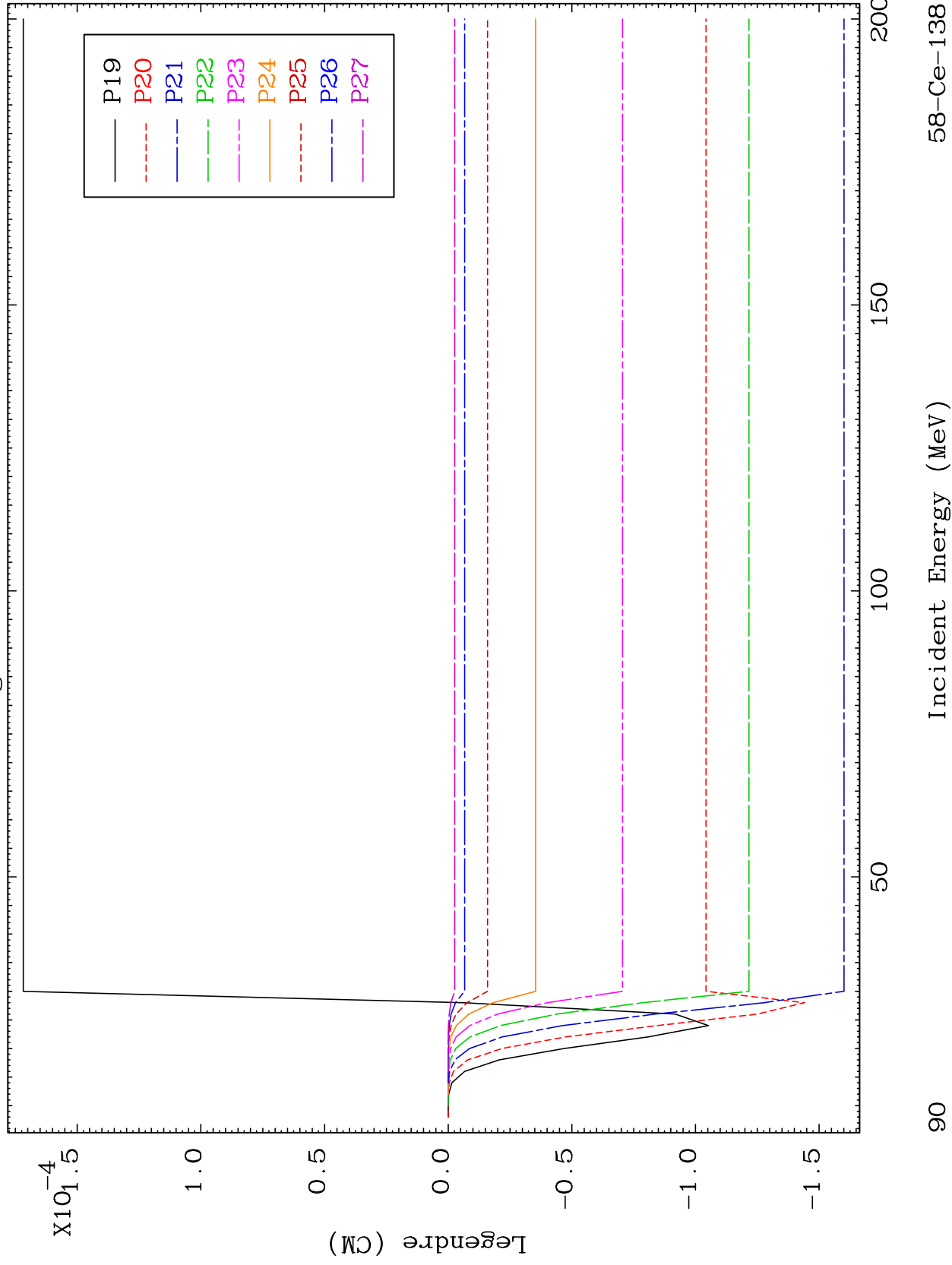
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

58-Ce-138



90

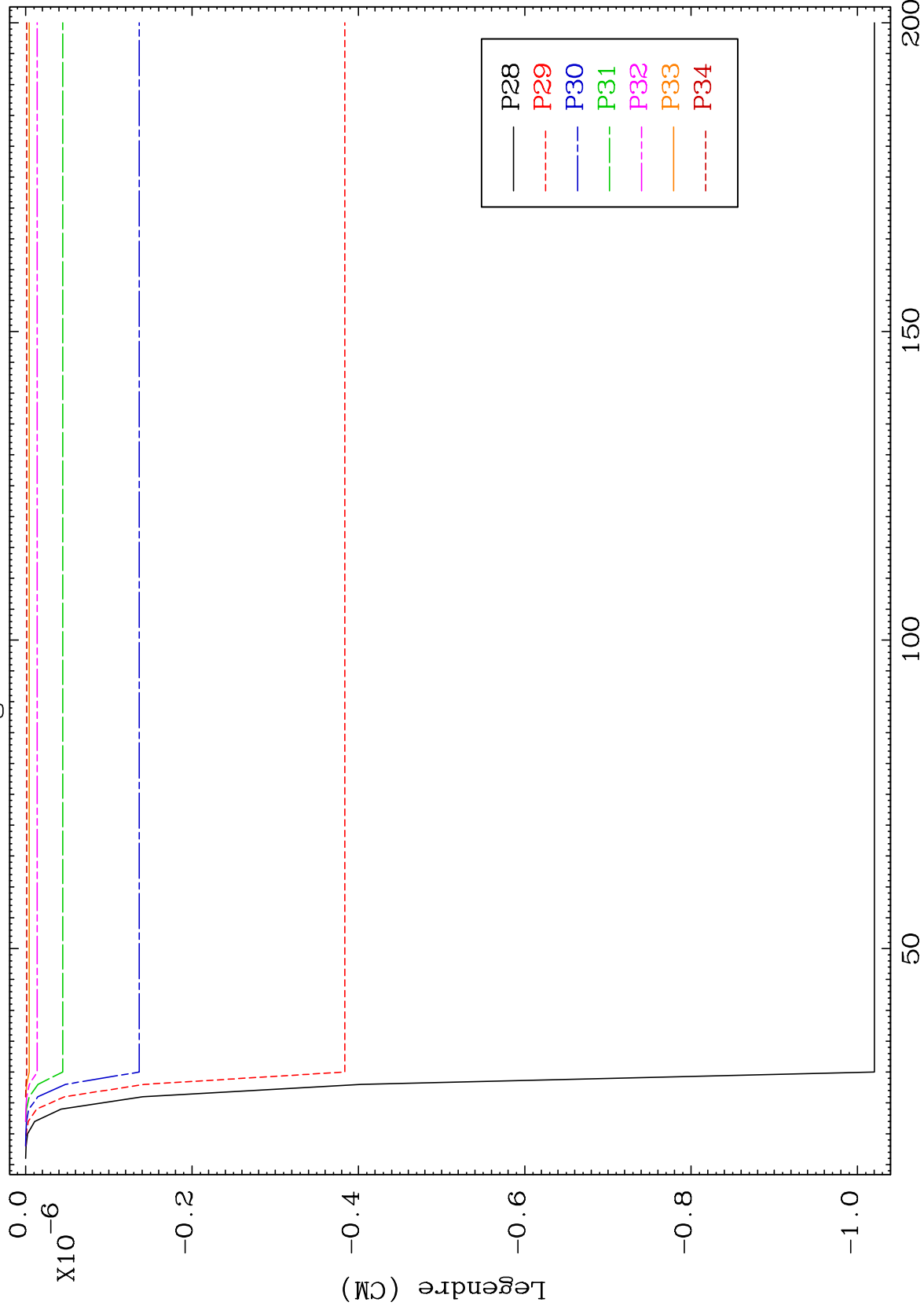
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

58-Ce-138



91

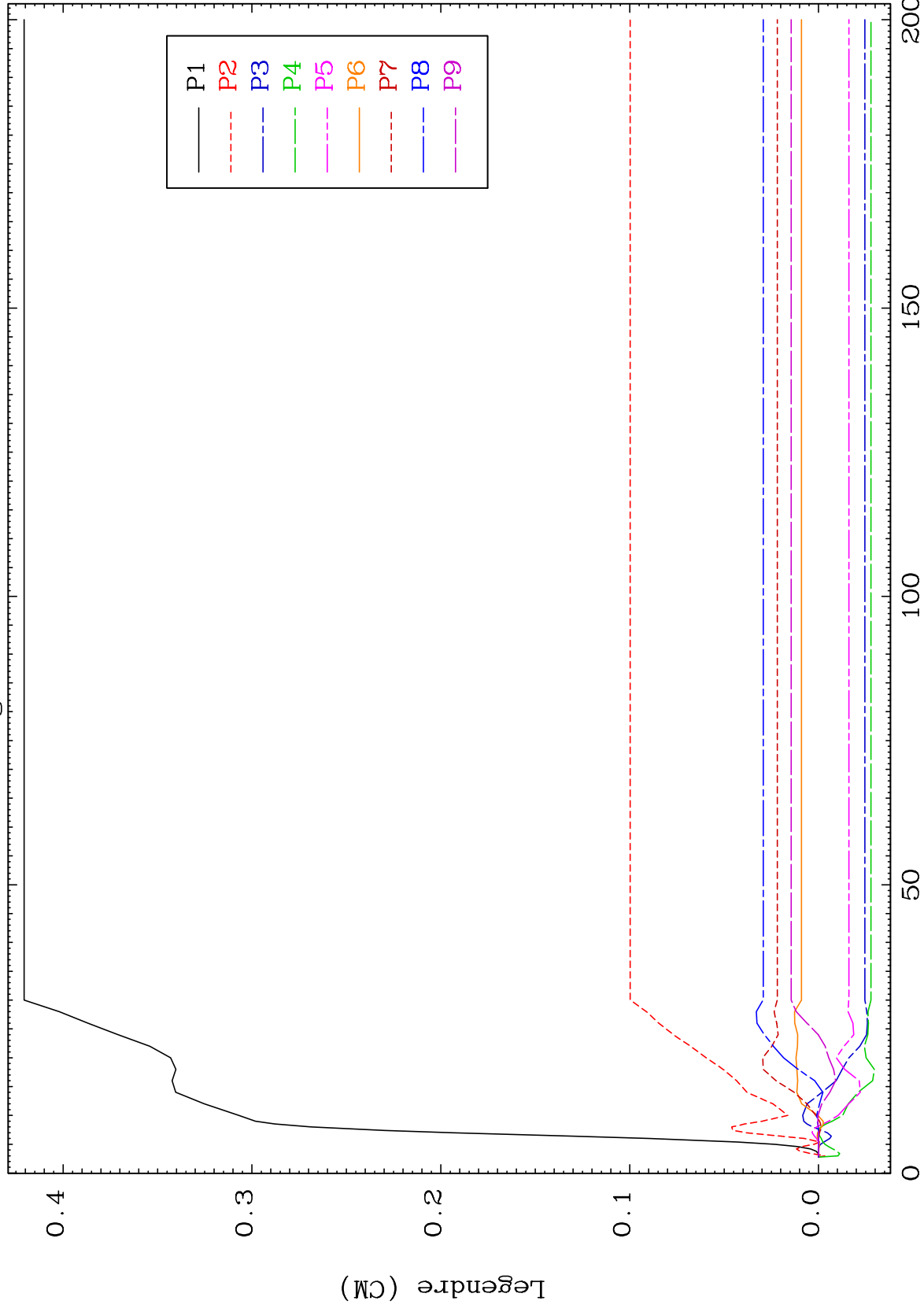
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

58-Ce-138



92

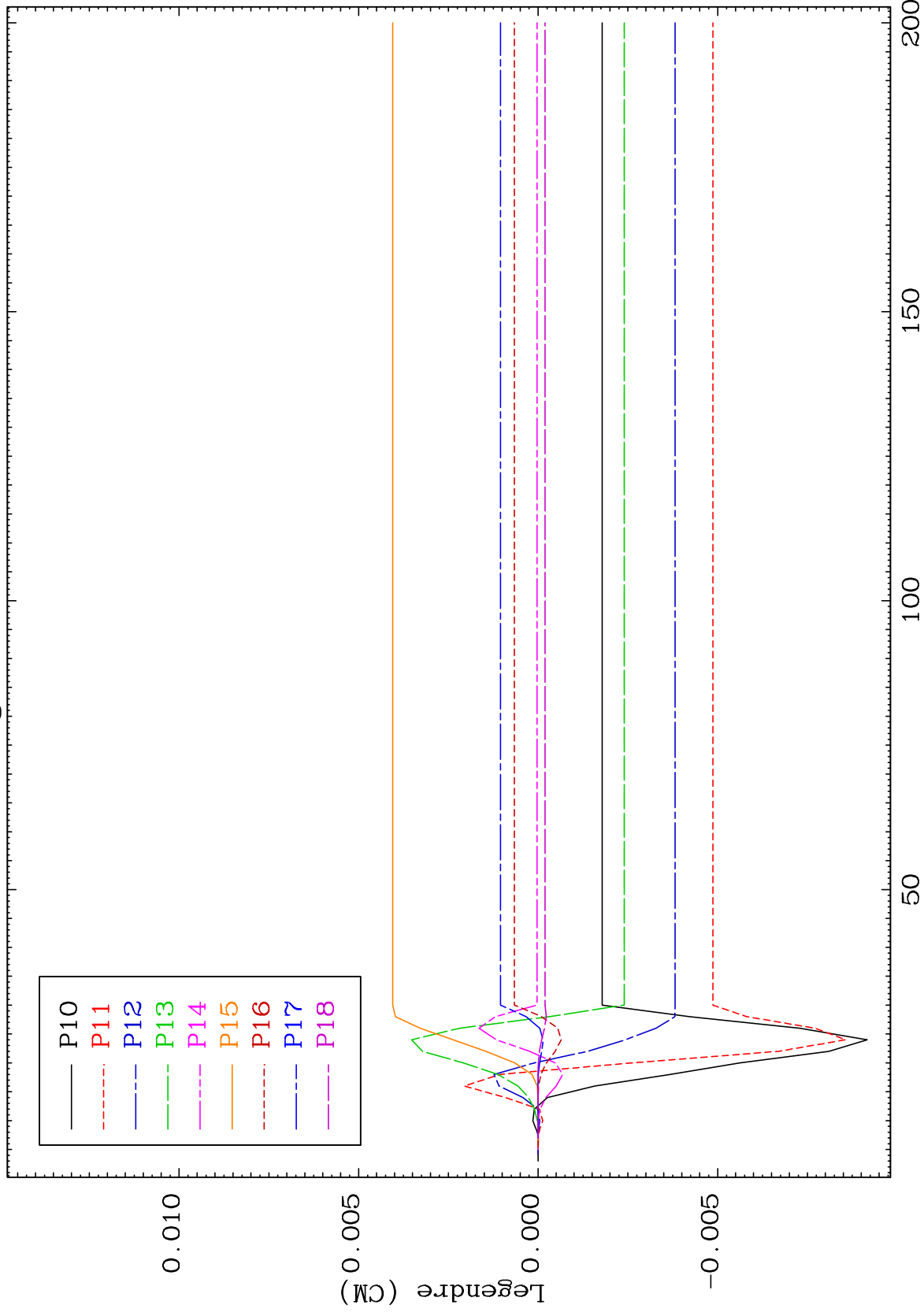
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

58-Ce-138



93

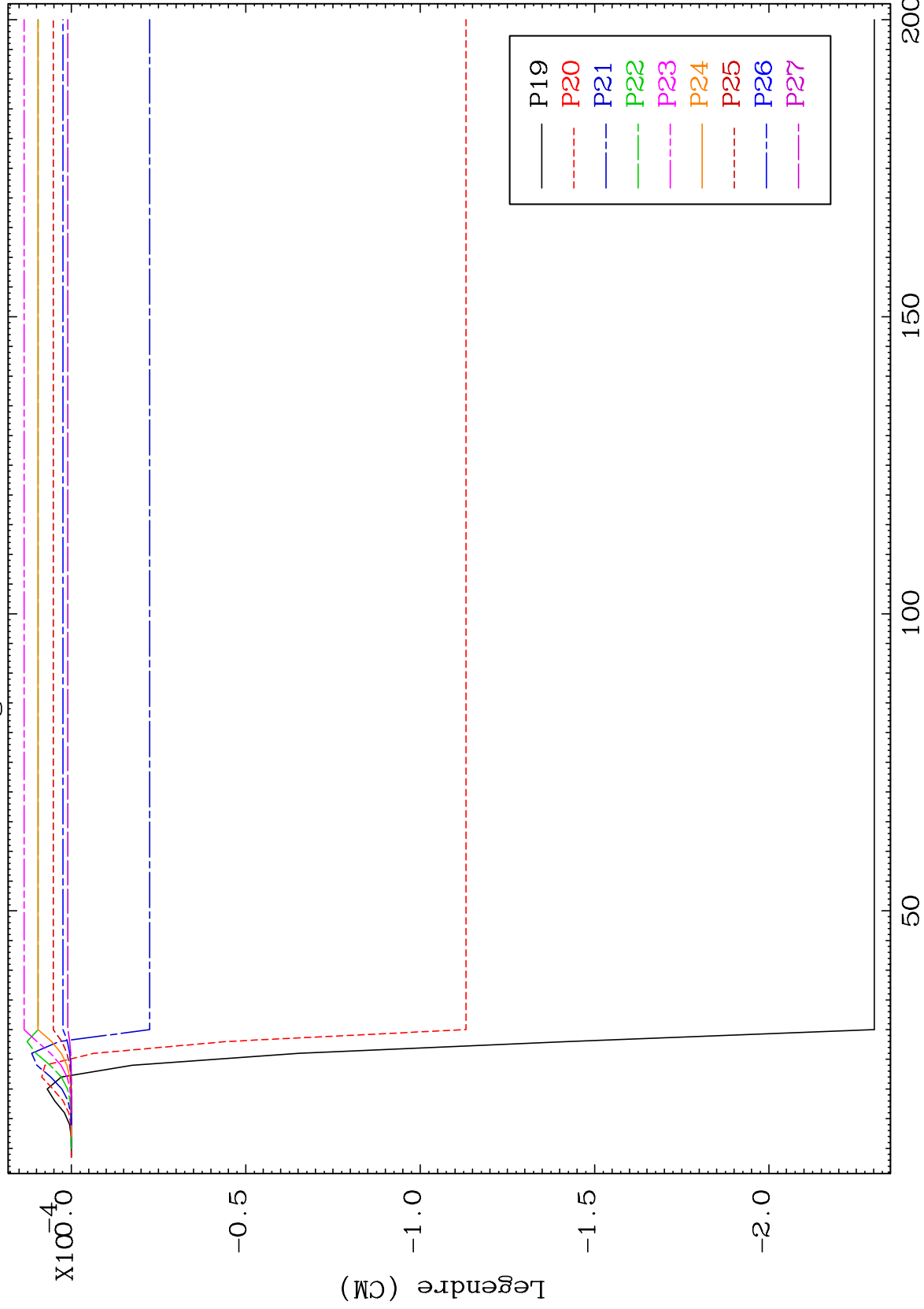
Incident Energy (MeV)

58-Ce-138

MAT 5831

58-Ce-138

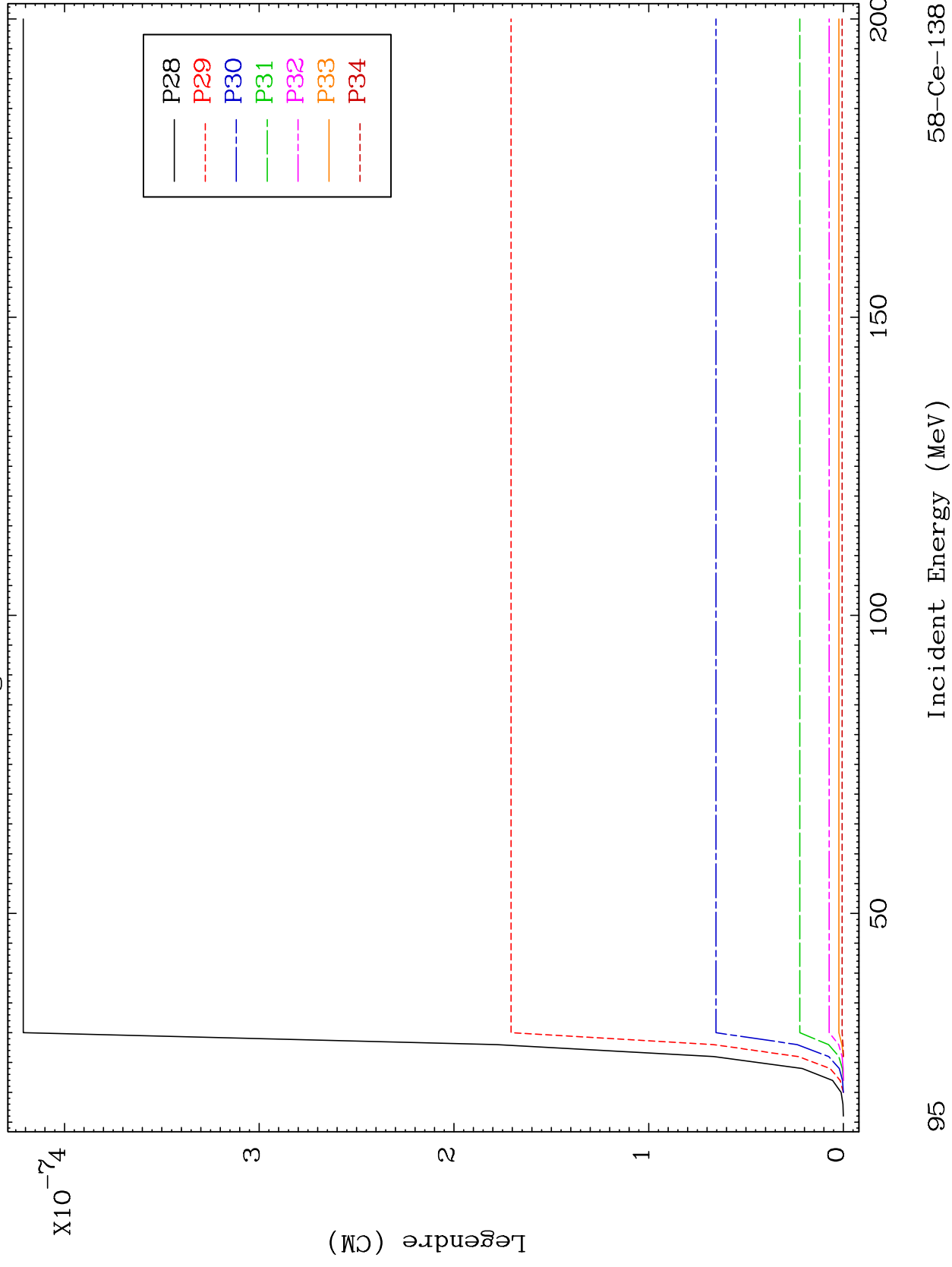
MT= 70 (n,n') Level
Legendre Coefficients

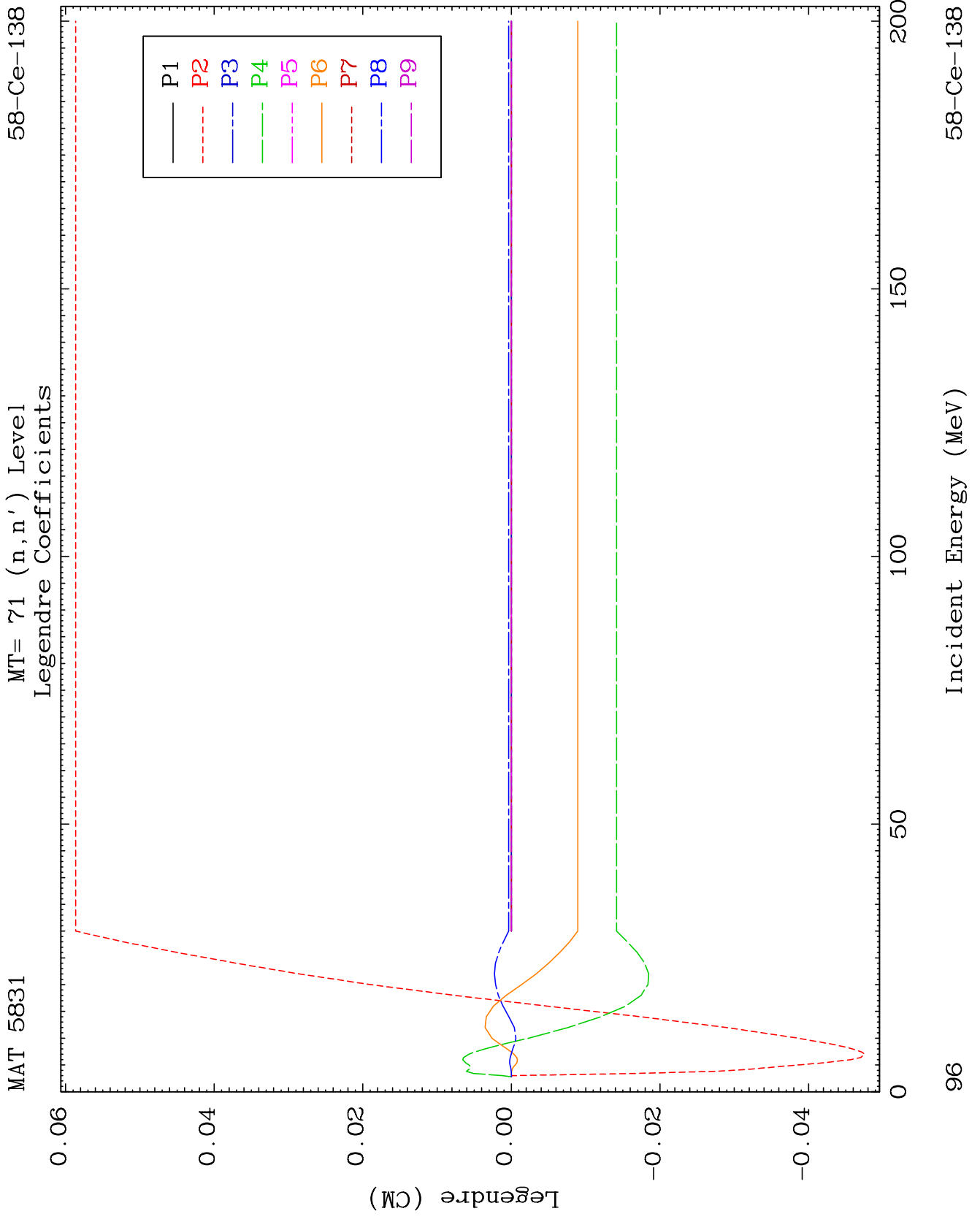


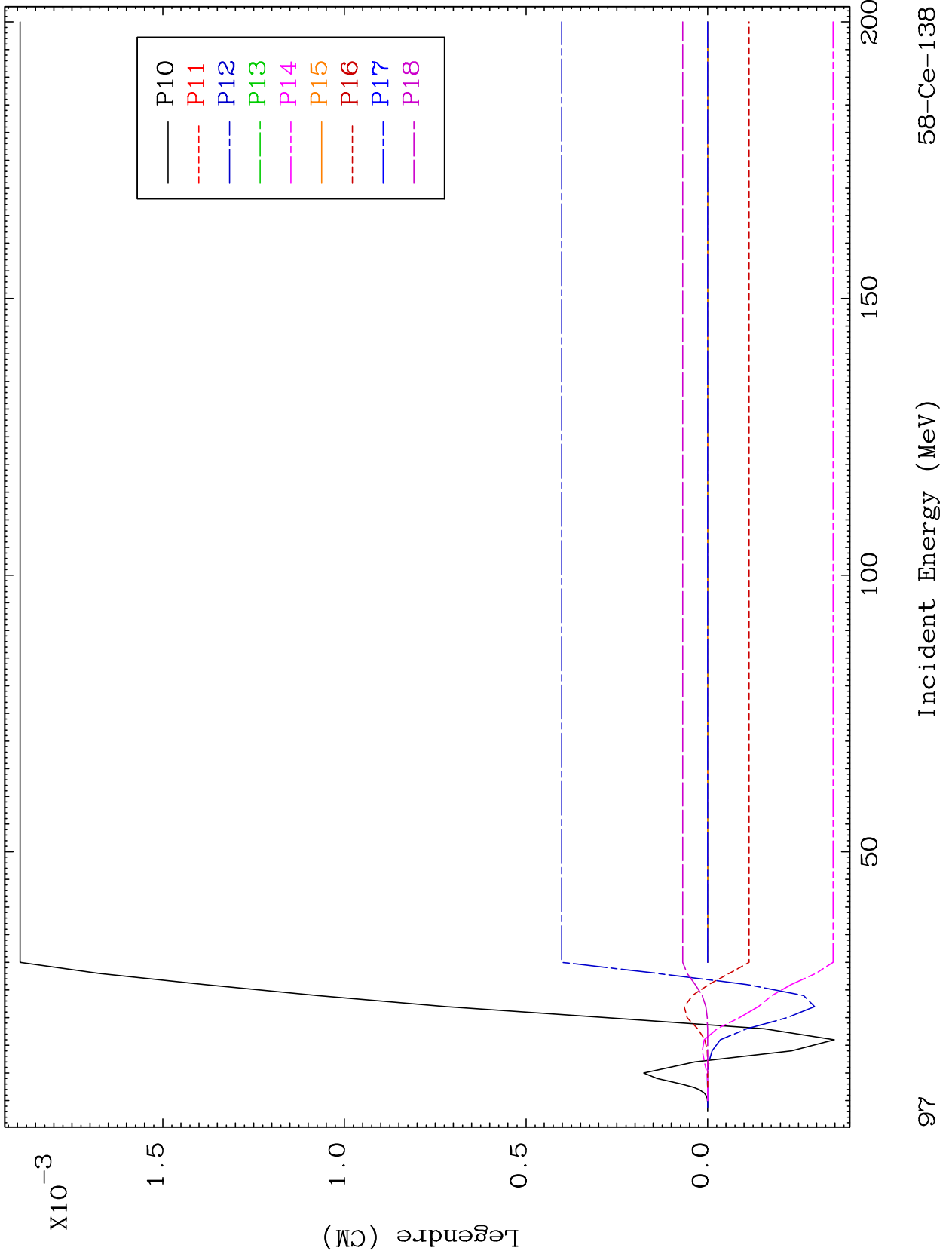
MAT 5831

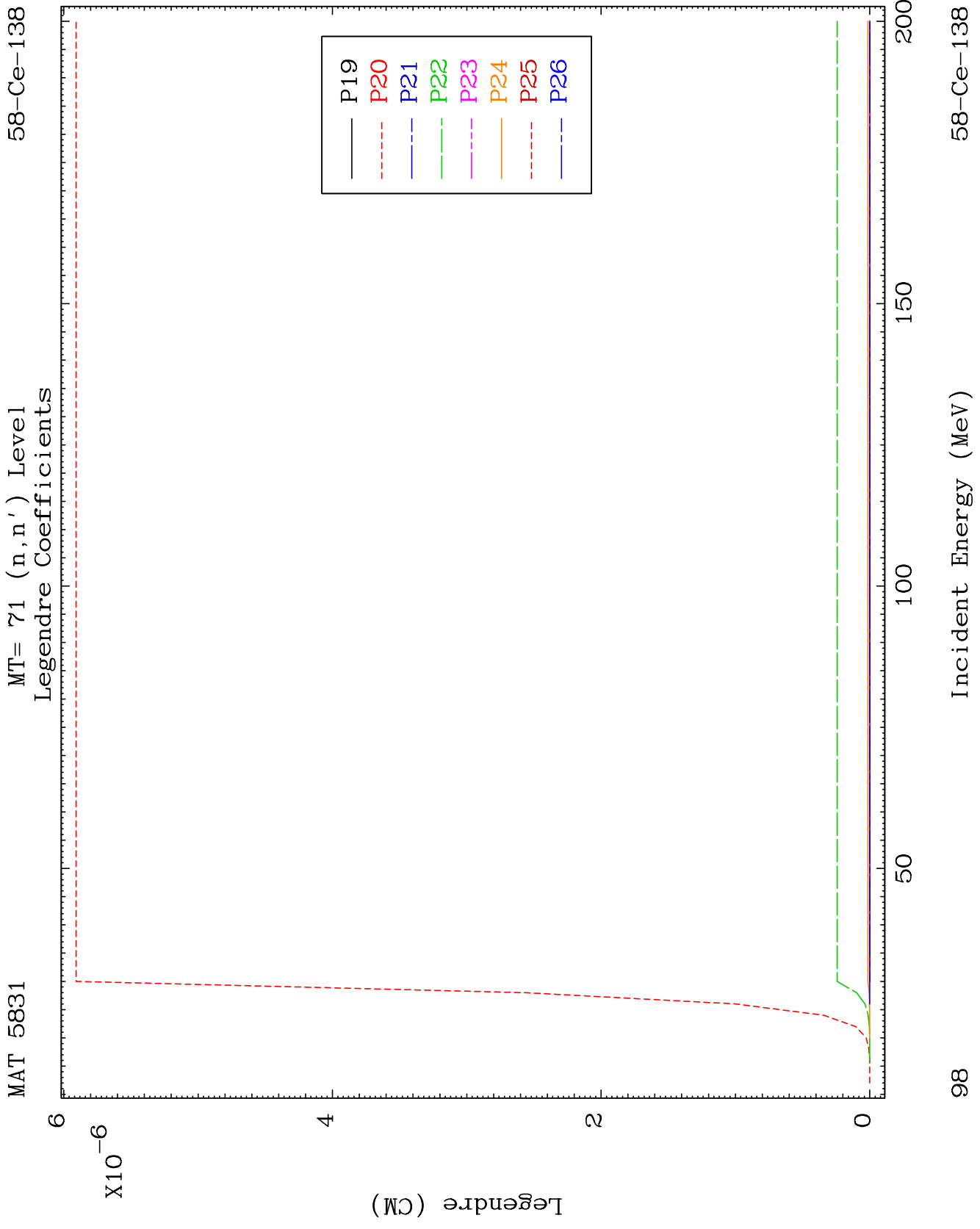
MT= 70 (n,n') Level
Legendre Coefficients

58-Ce-138





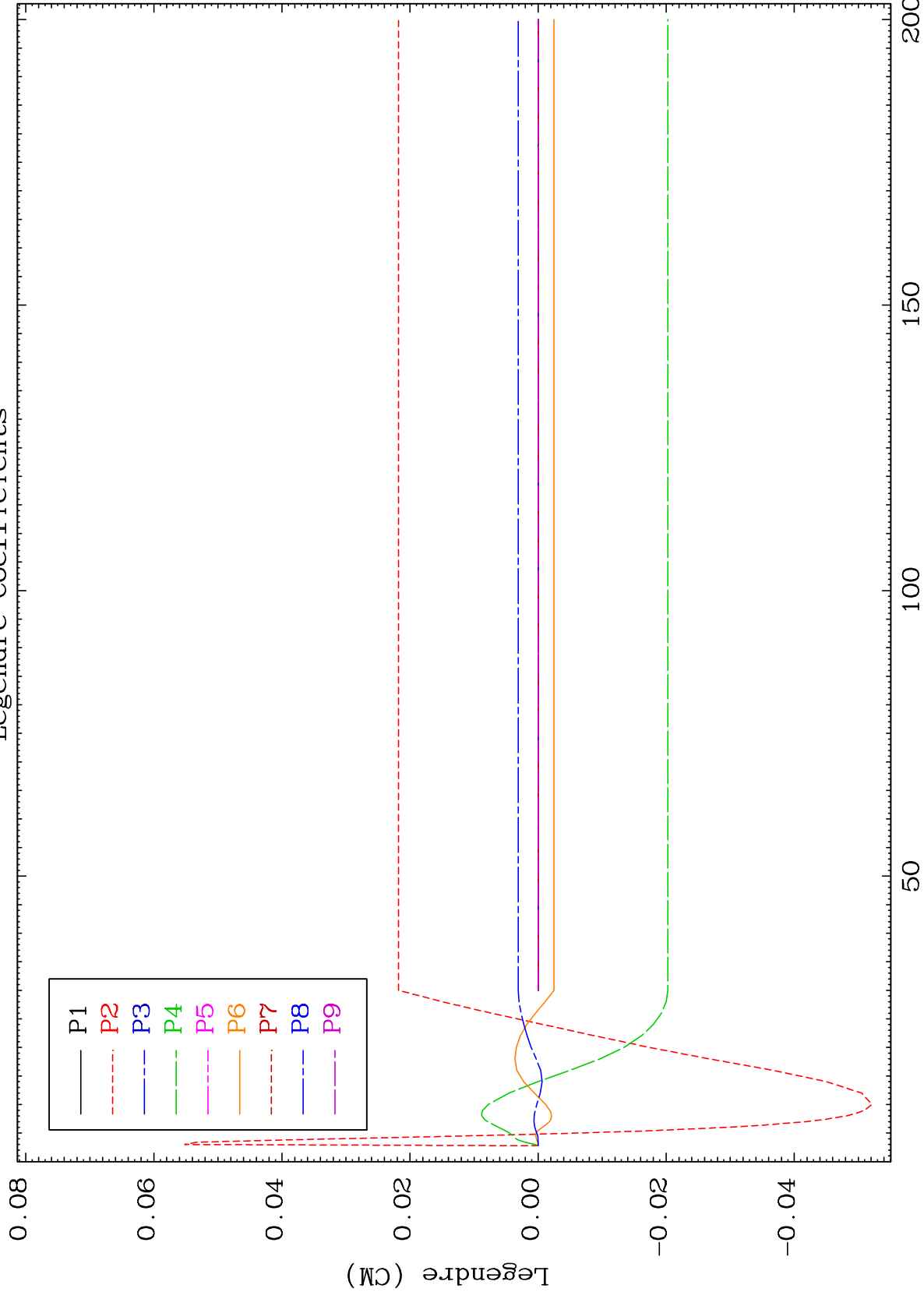




MAT 5831

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

58-Ce-138



99

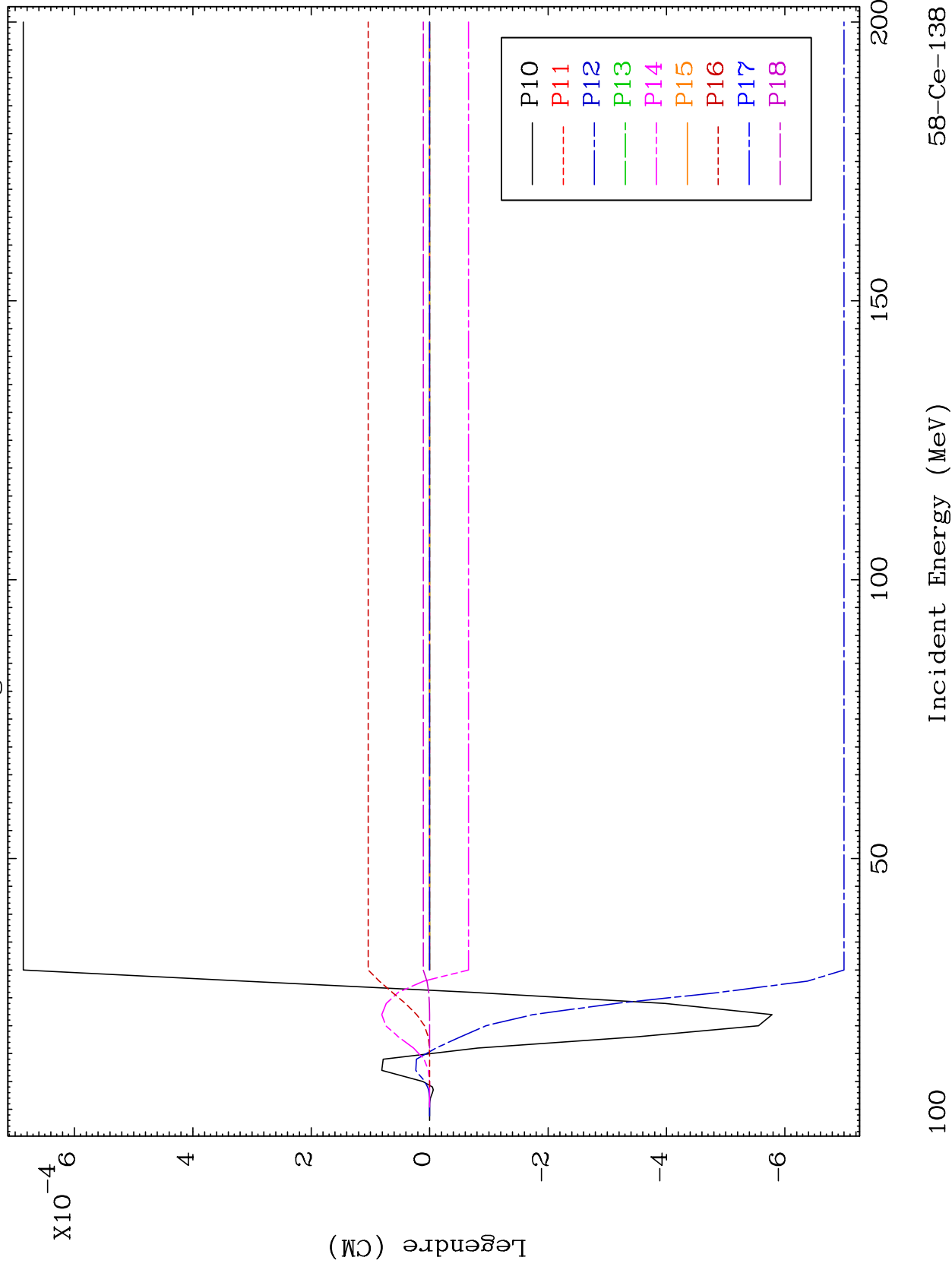
Incident Energy (MeV)

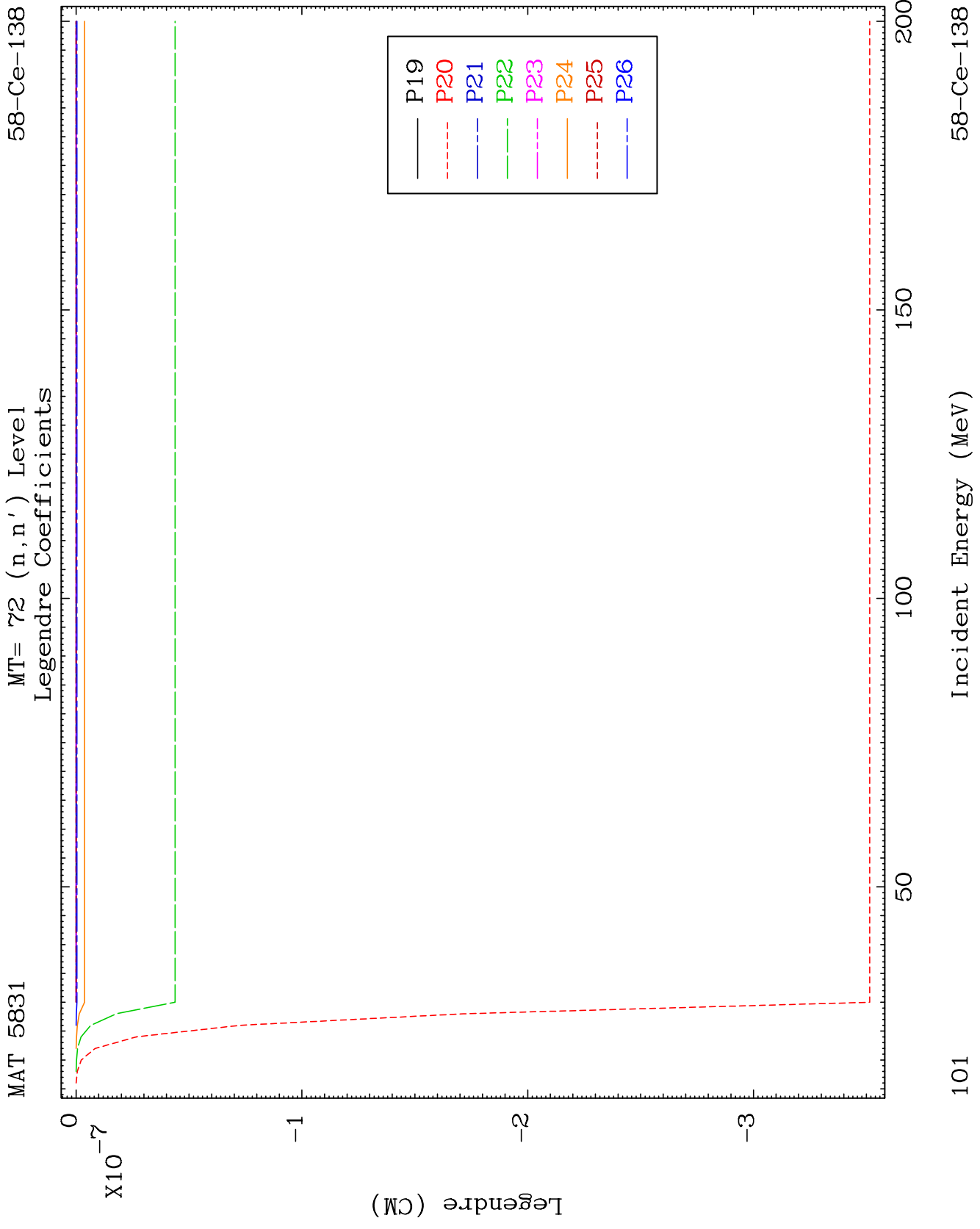
58-Ce-138

MAT 5831

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

58-Ce-138

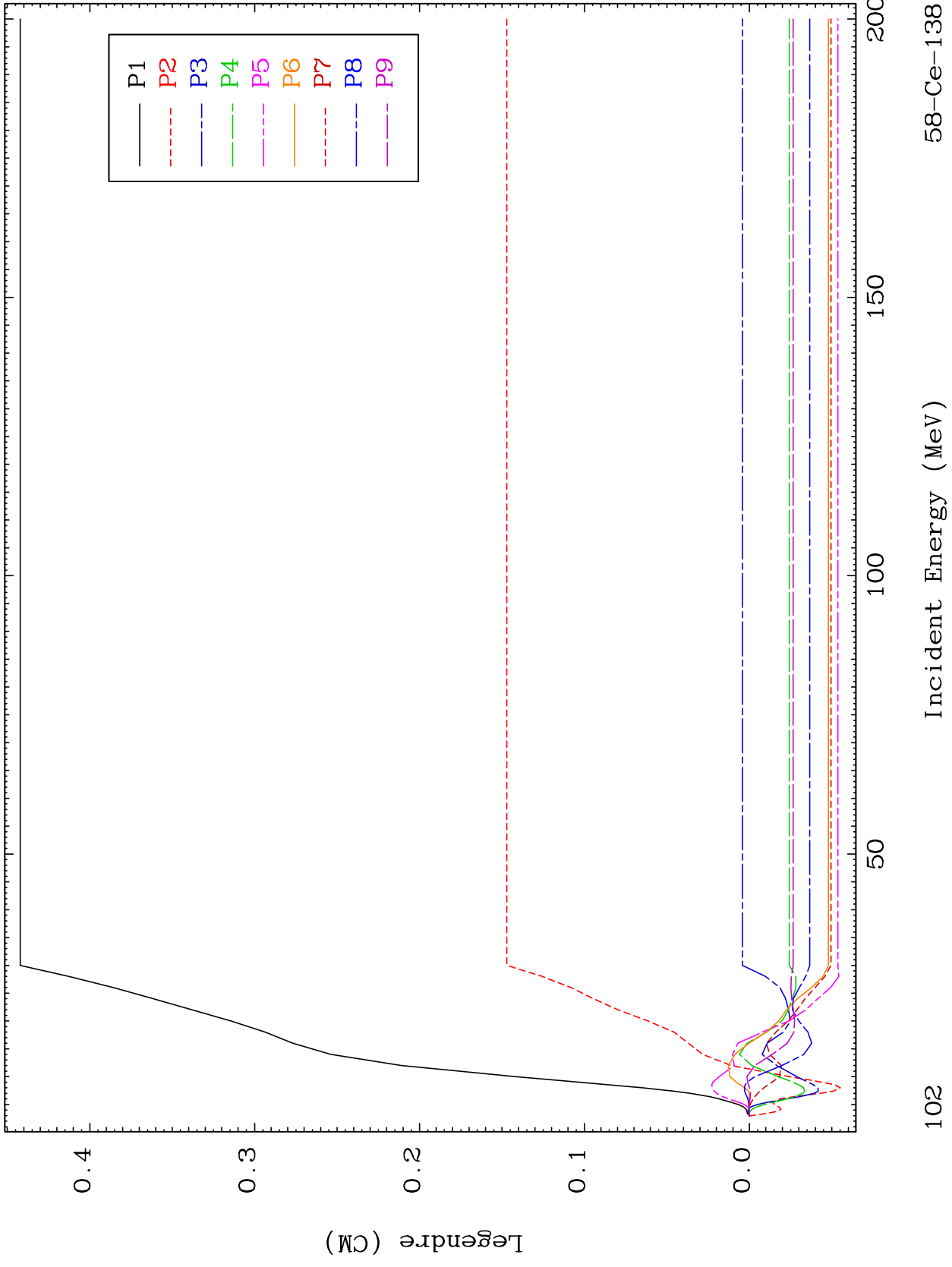




MAT 5831

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

58-Ce-138



102

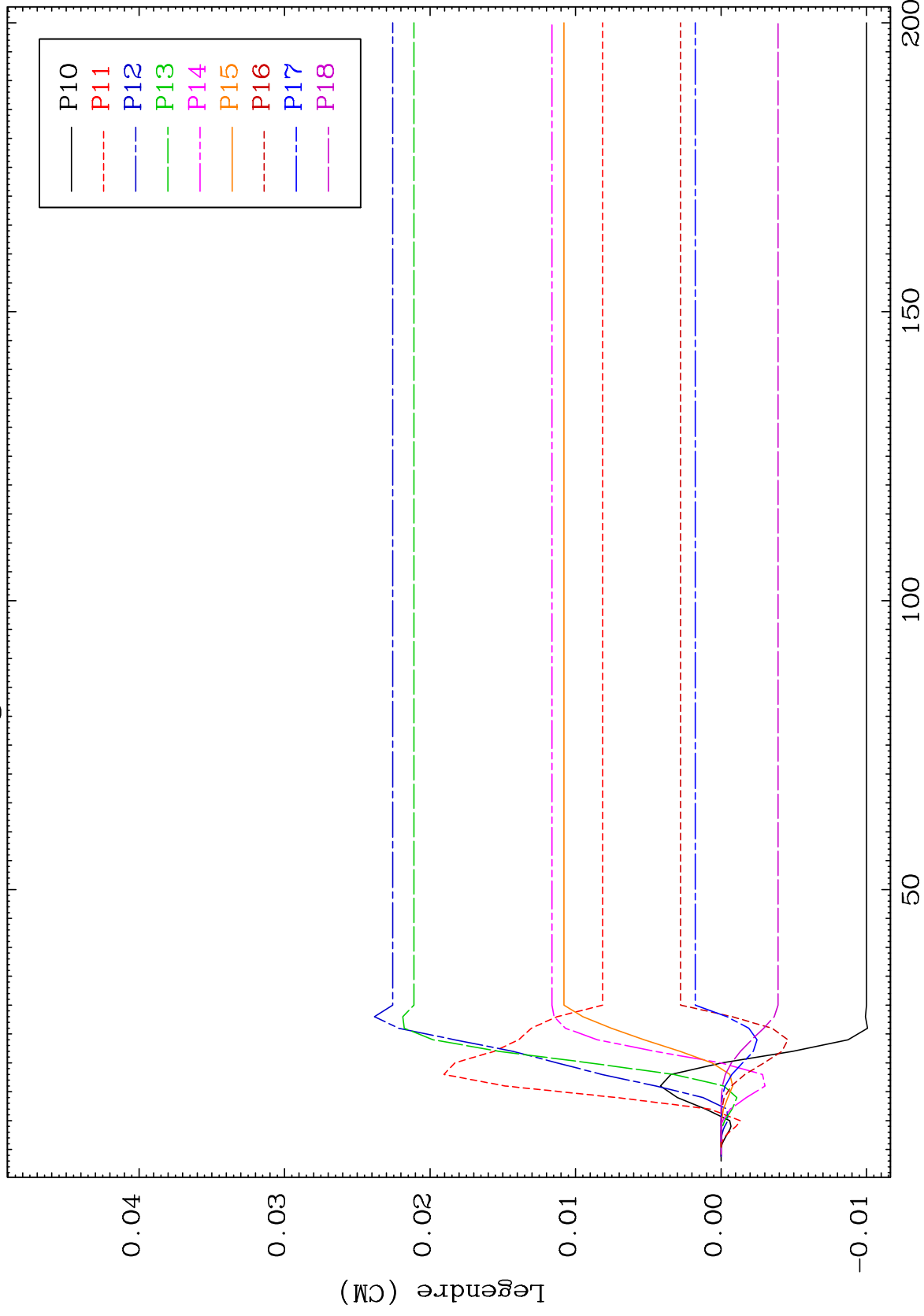
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

58-Ce-138



103

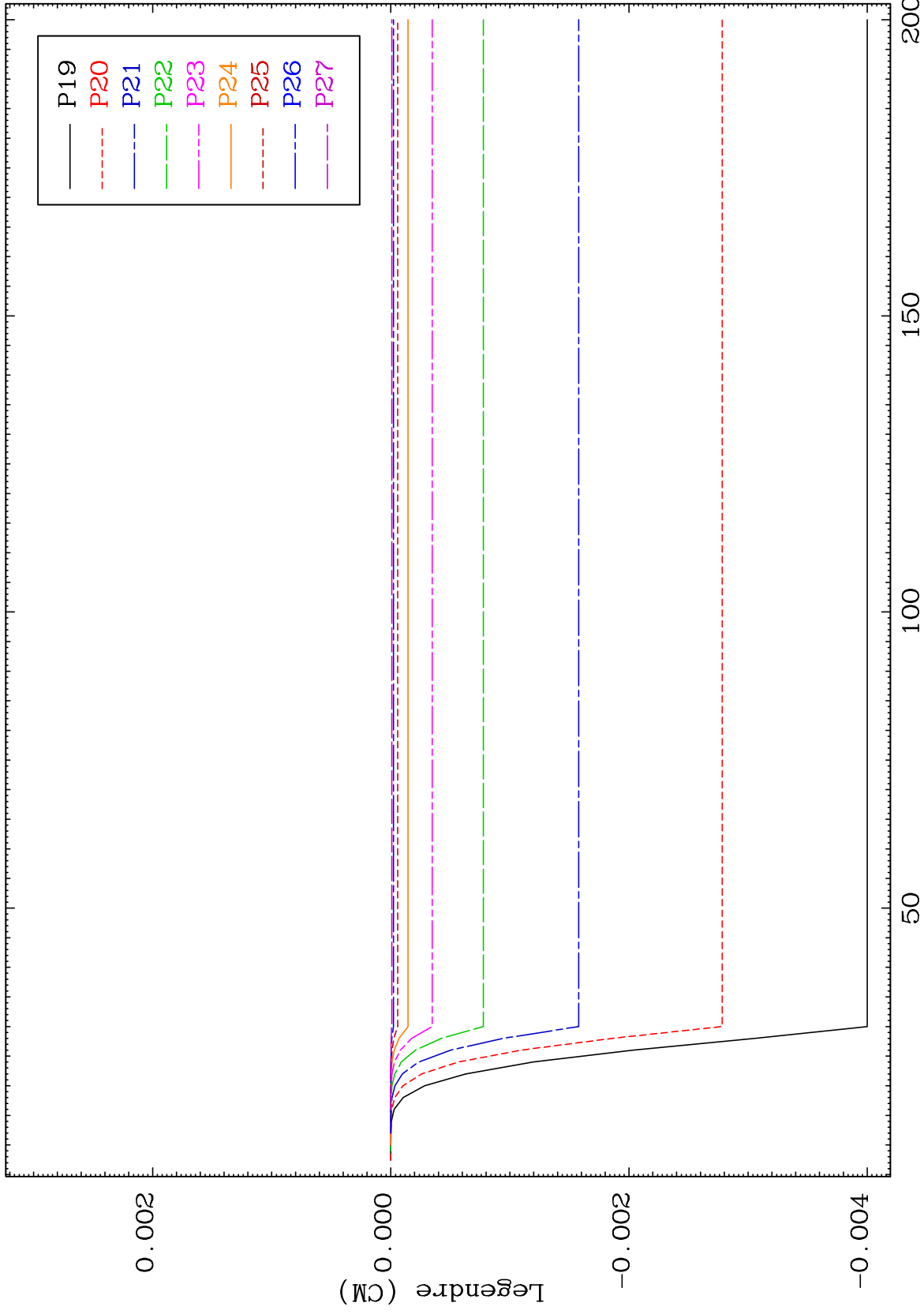
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

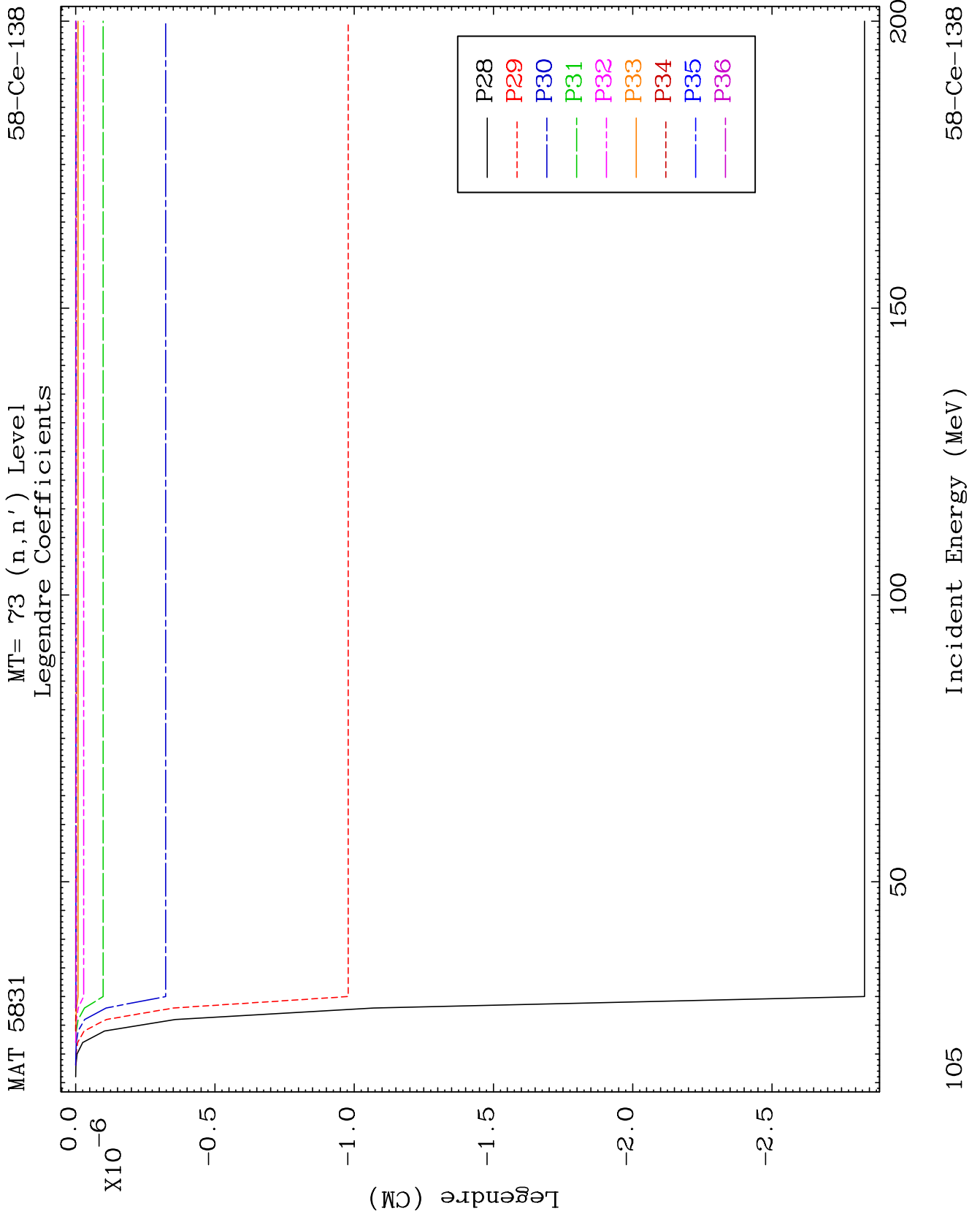
58-Ce-138



104

Incident Energy (MeV)

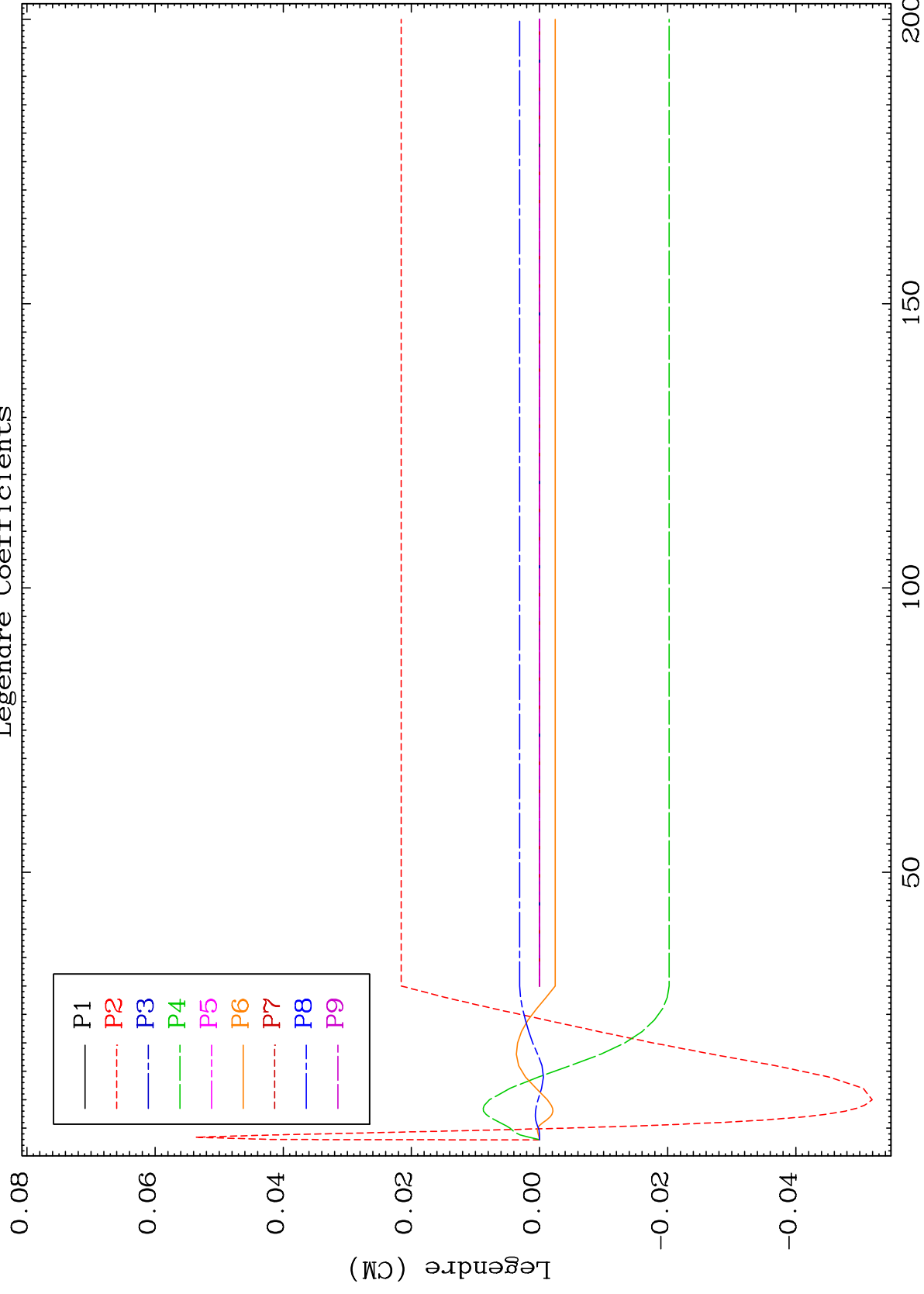
58-Ce-138



MAT 5831

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

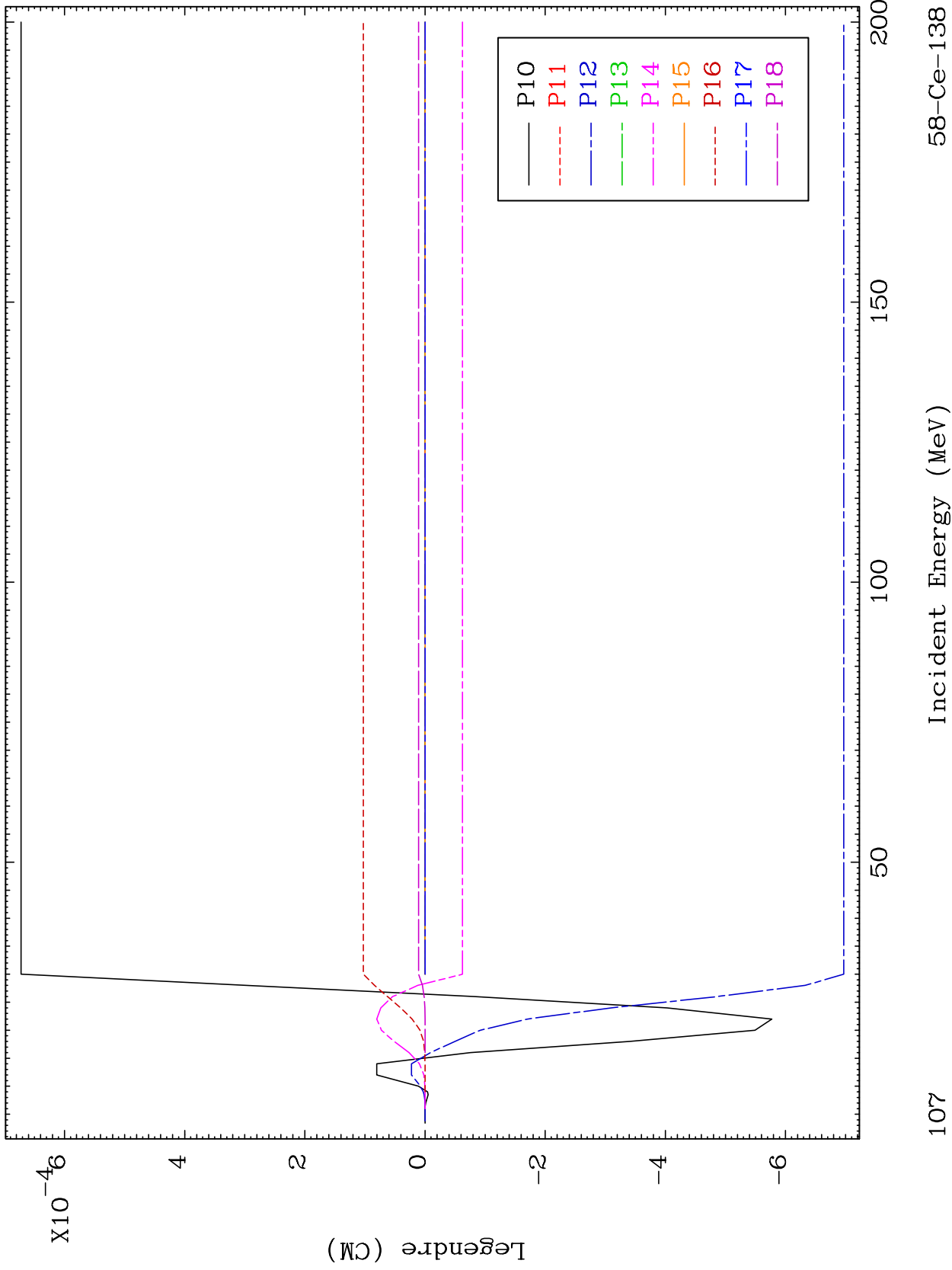
58-Ce-138

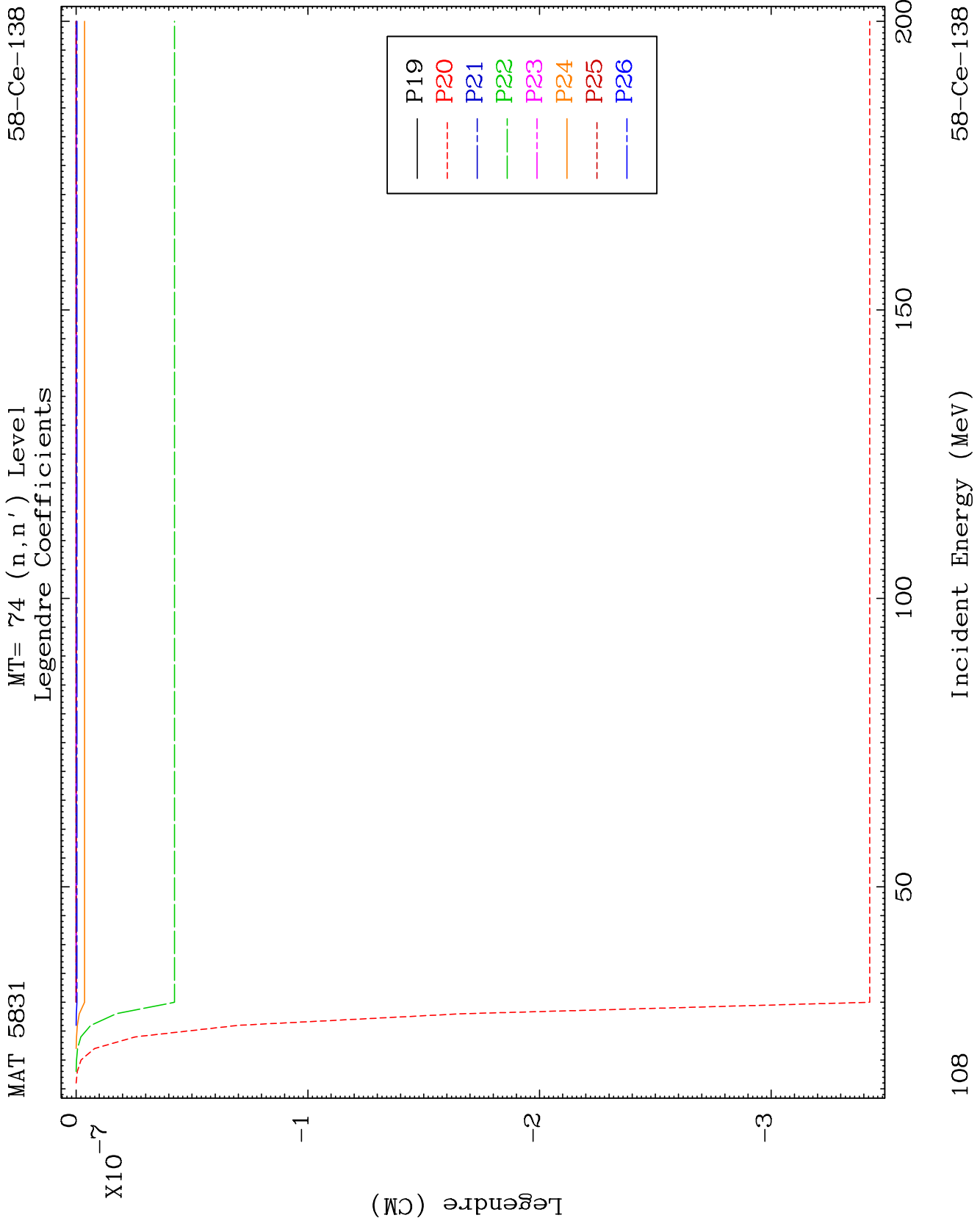


106

Incident Energy (MeV)

58-Ce-138

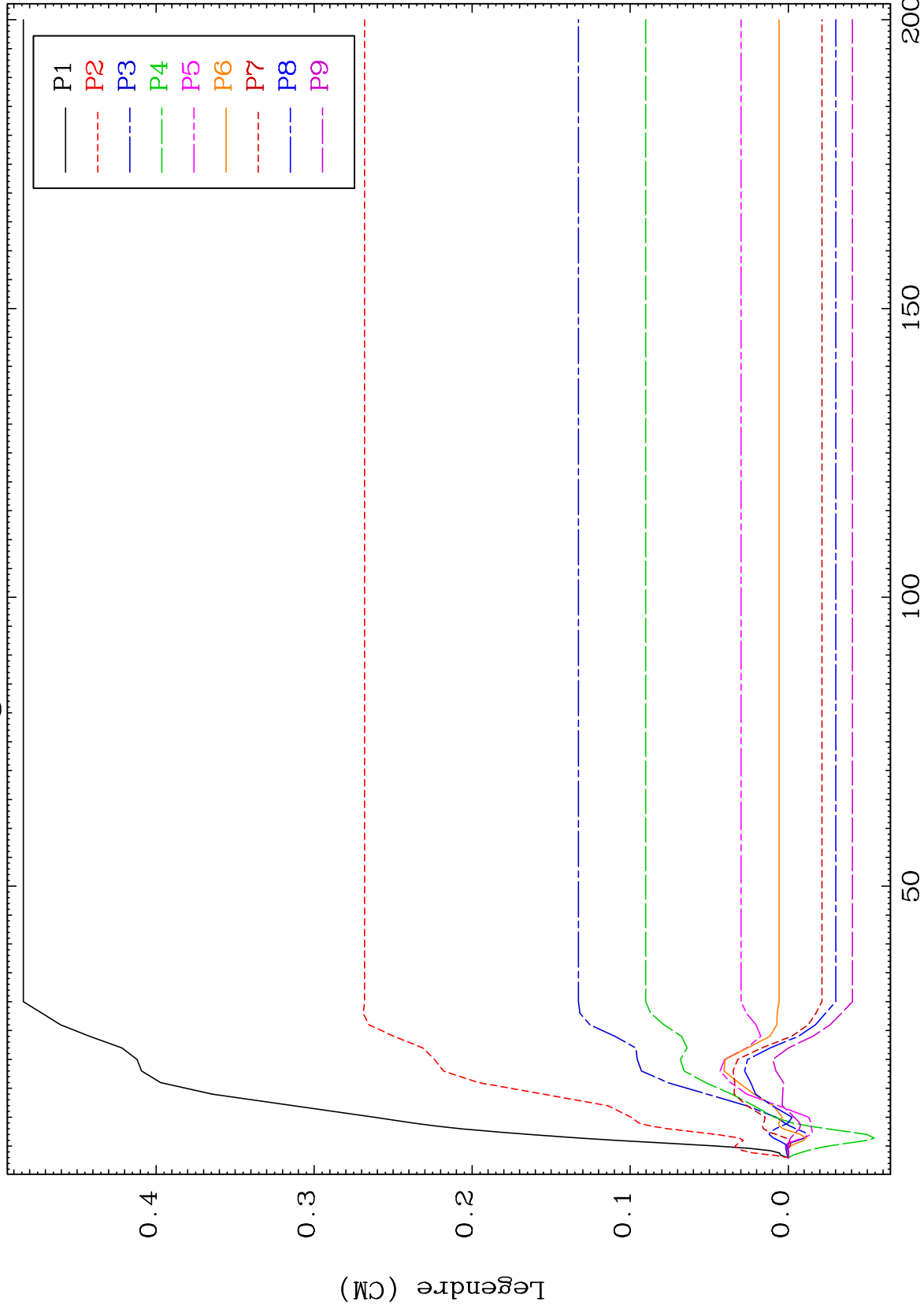




MAT 5831

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

58-Ce-138



109

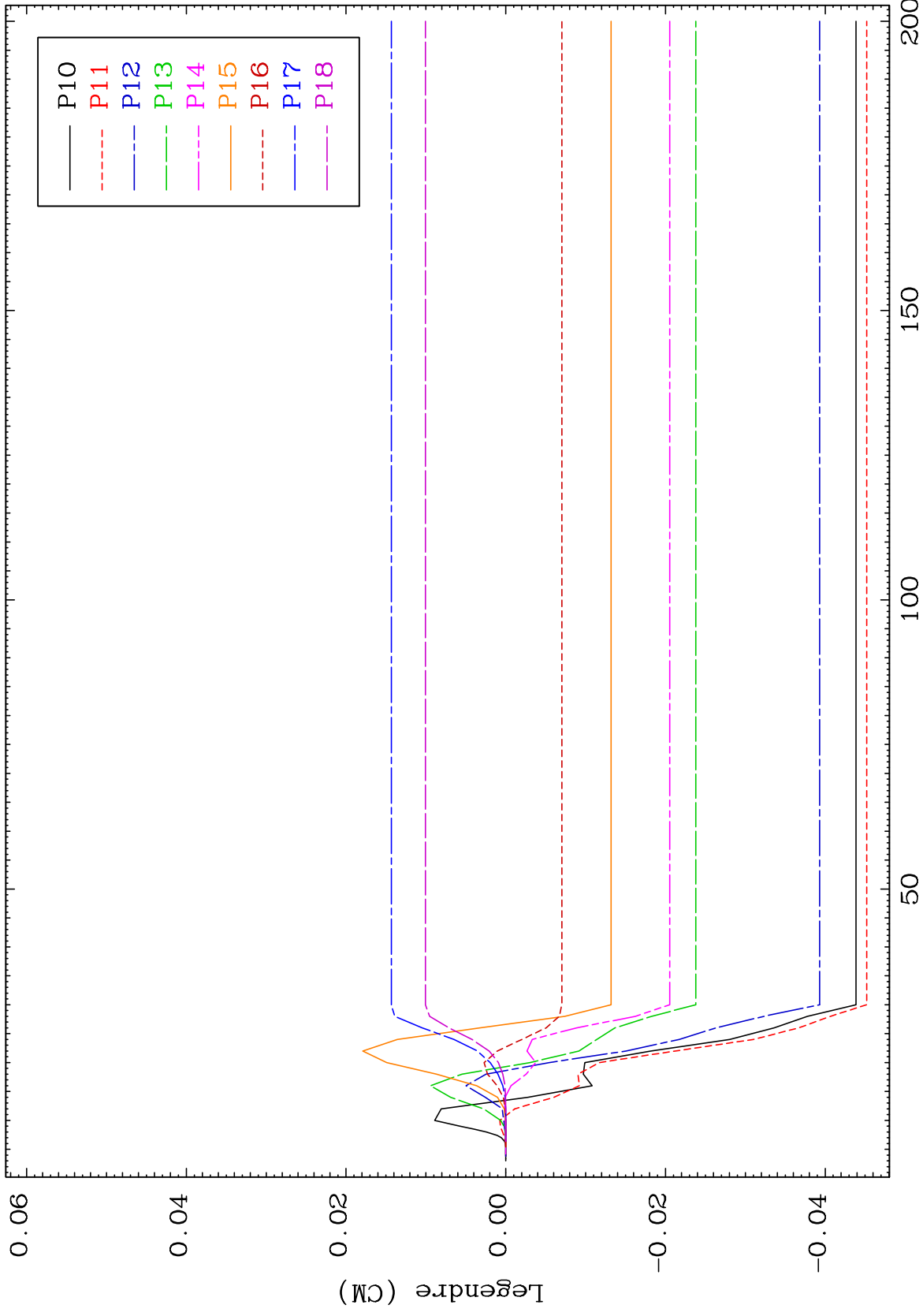
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

58-Ce-138



110

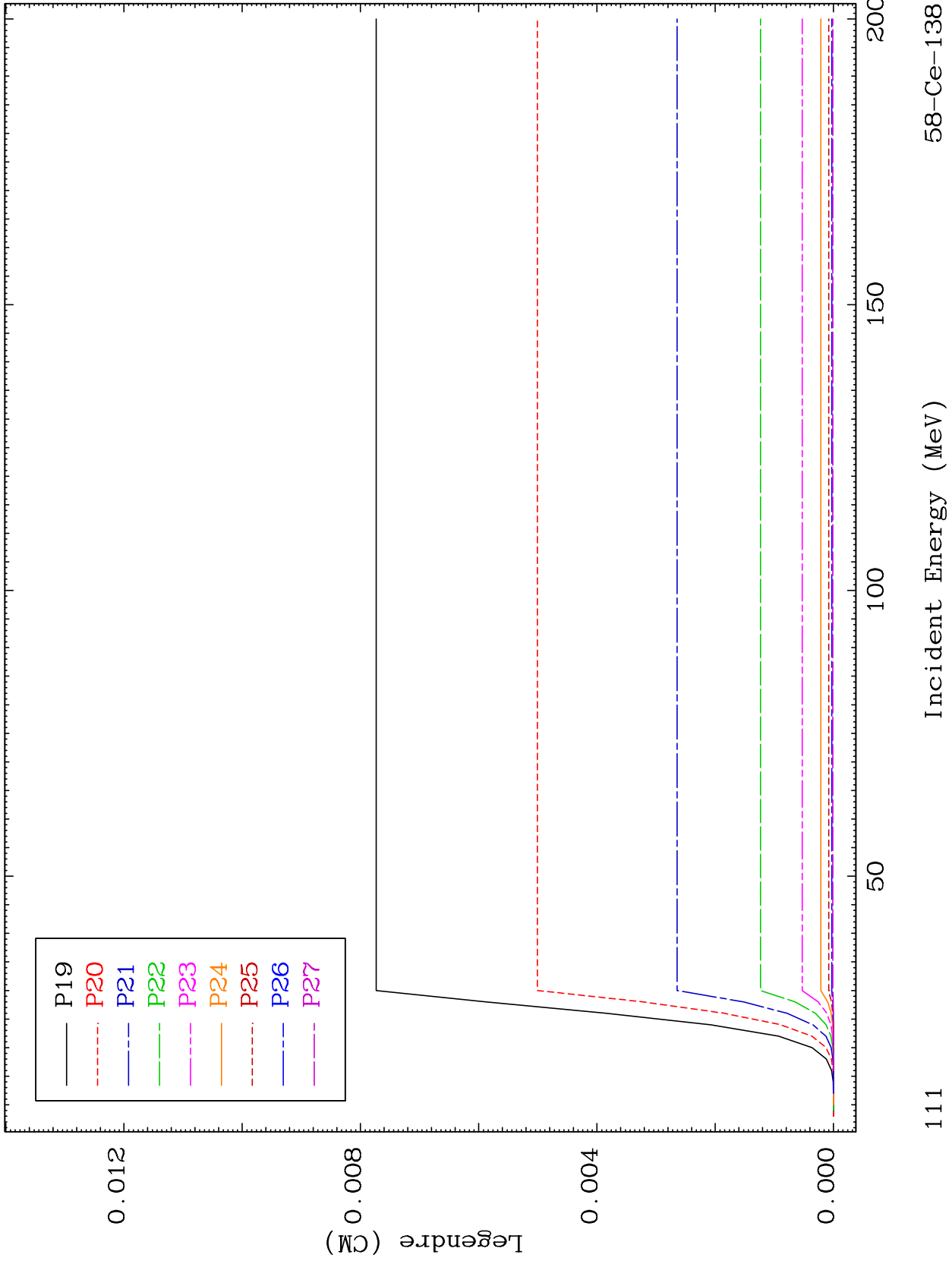
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

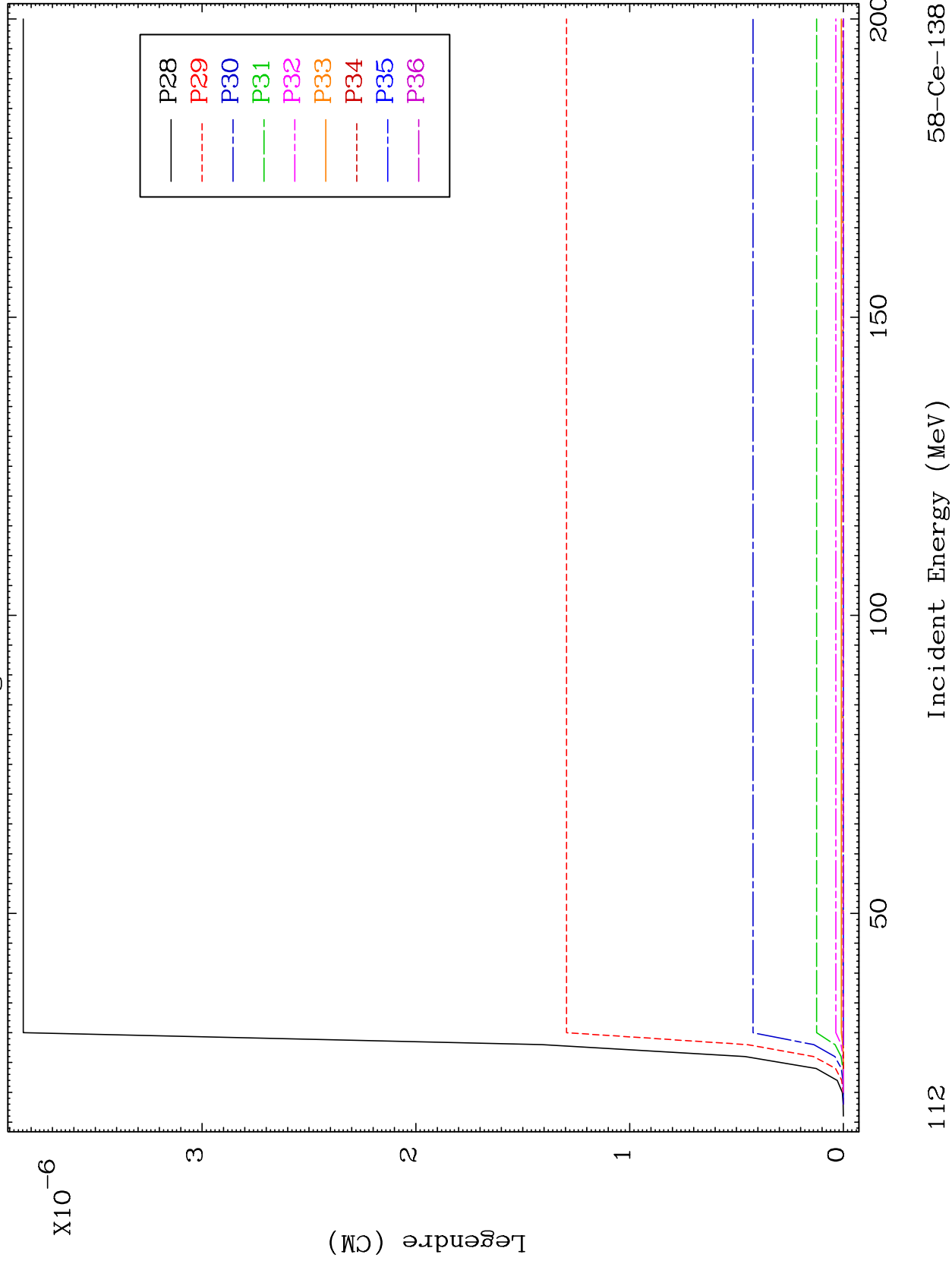
58-Ce-138



MAT 5831

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

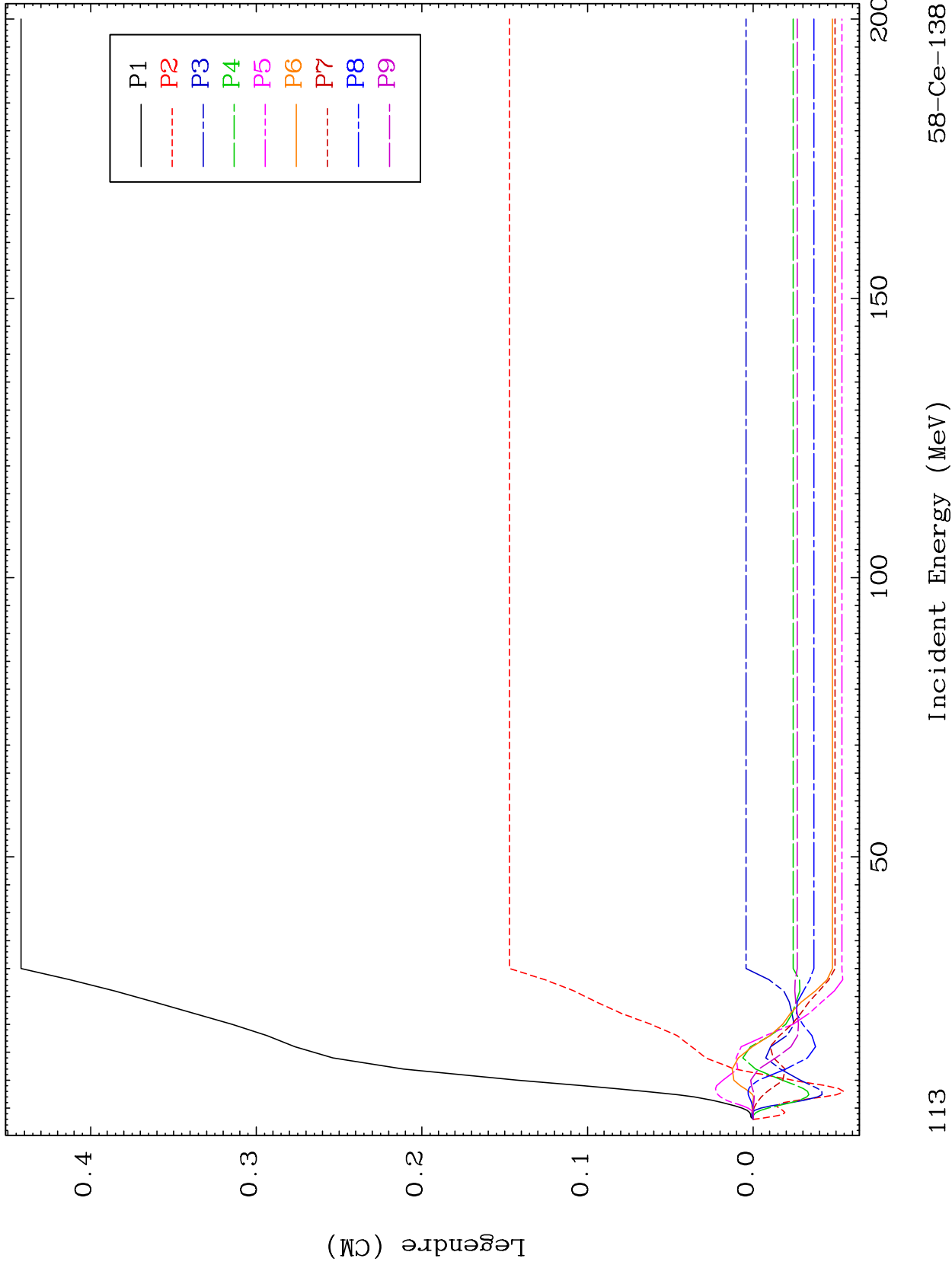
58-Ce-138



MAT 5831

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

58-Ce-138



113

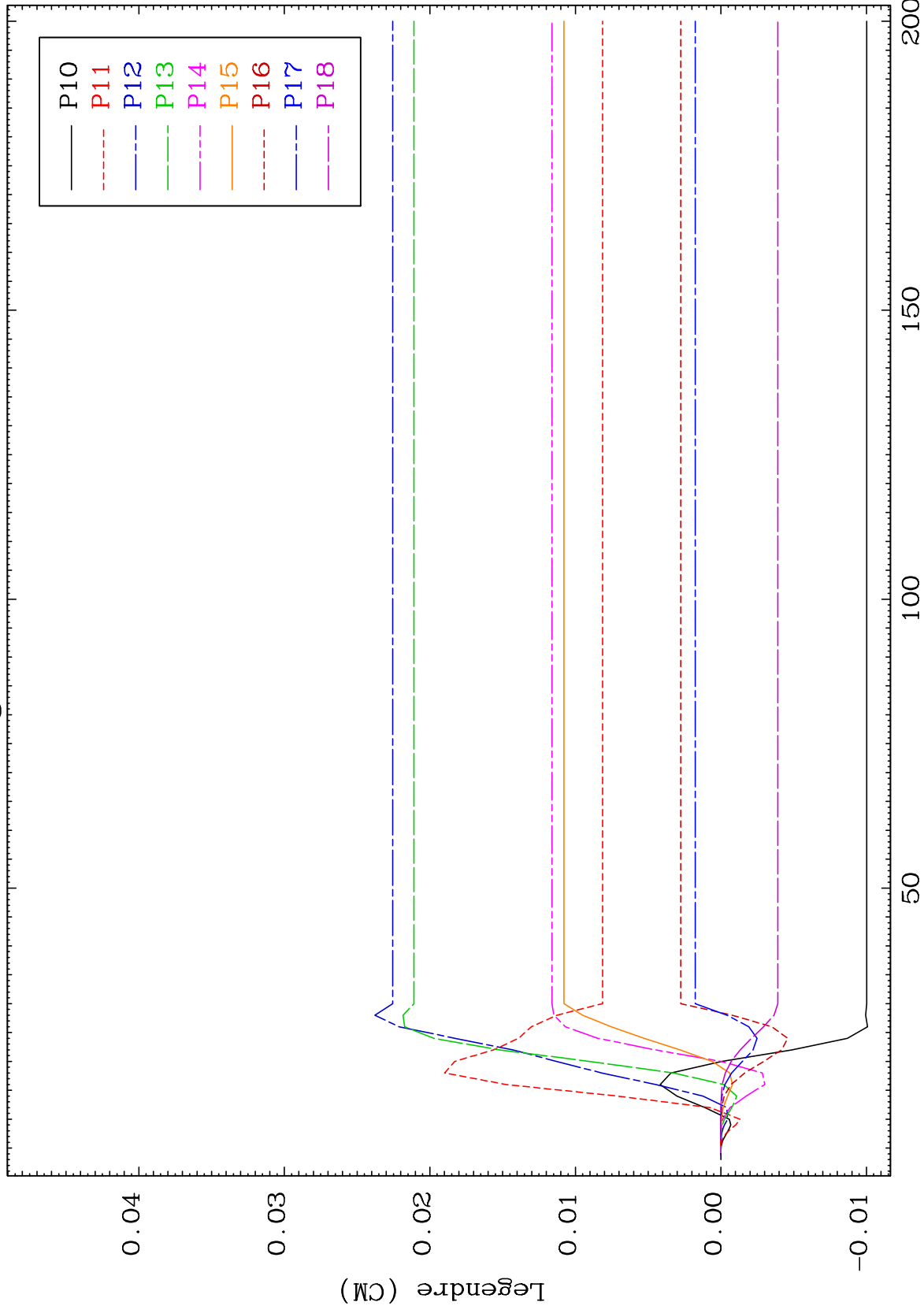
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

58-Ce-138



114

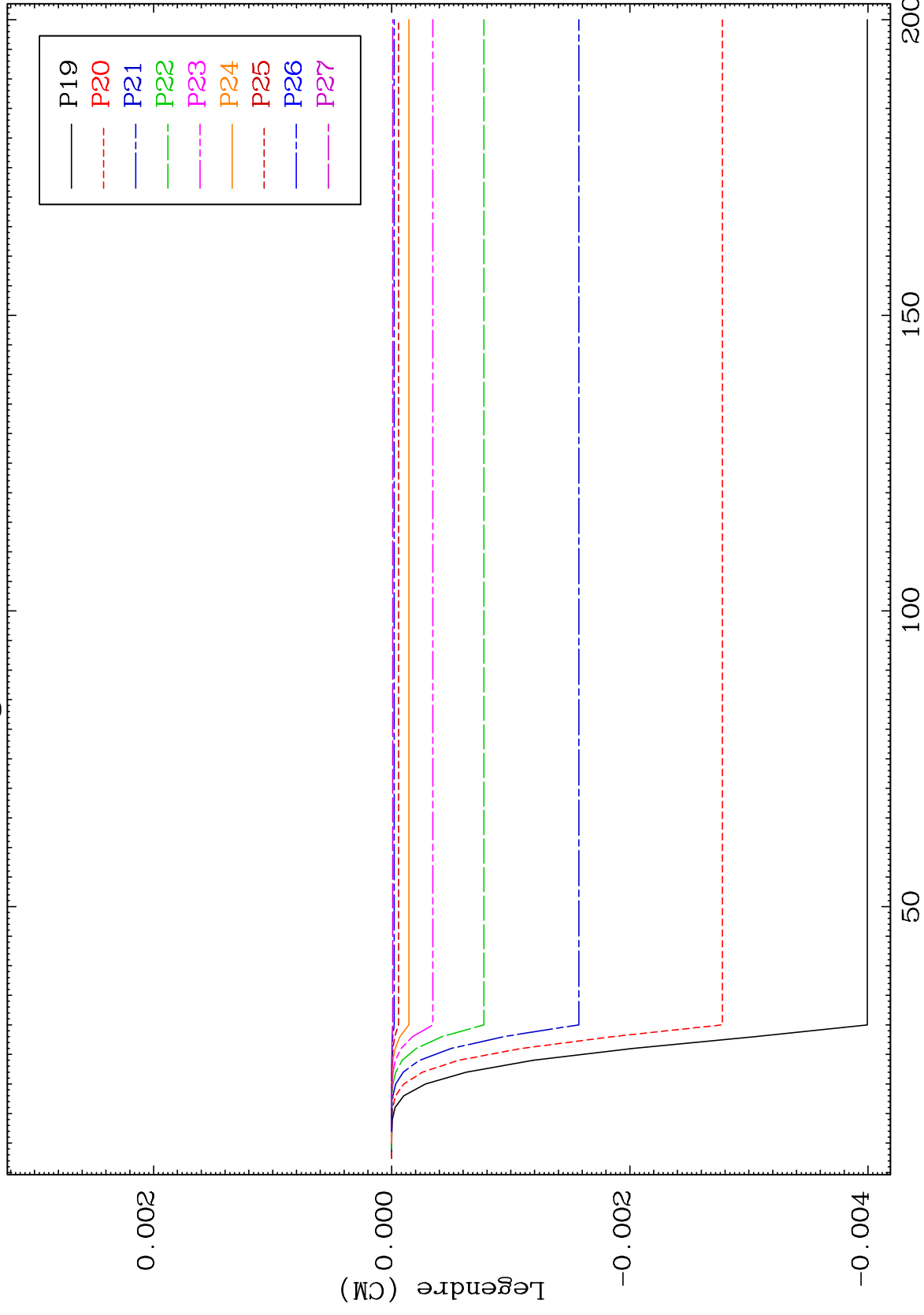
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

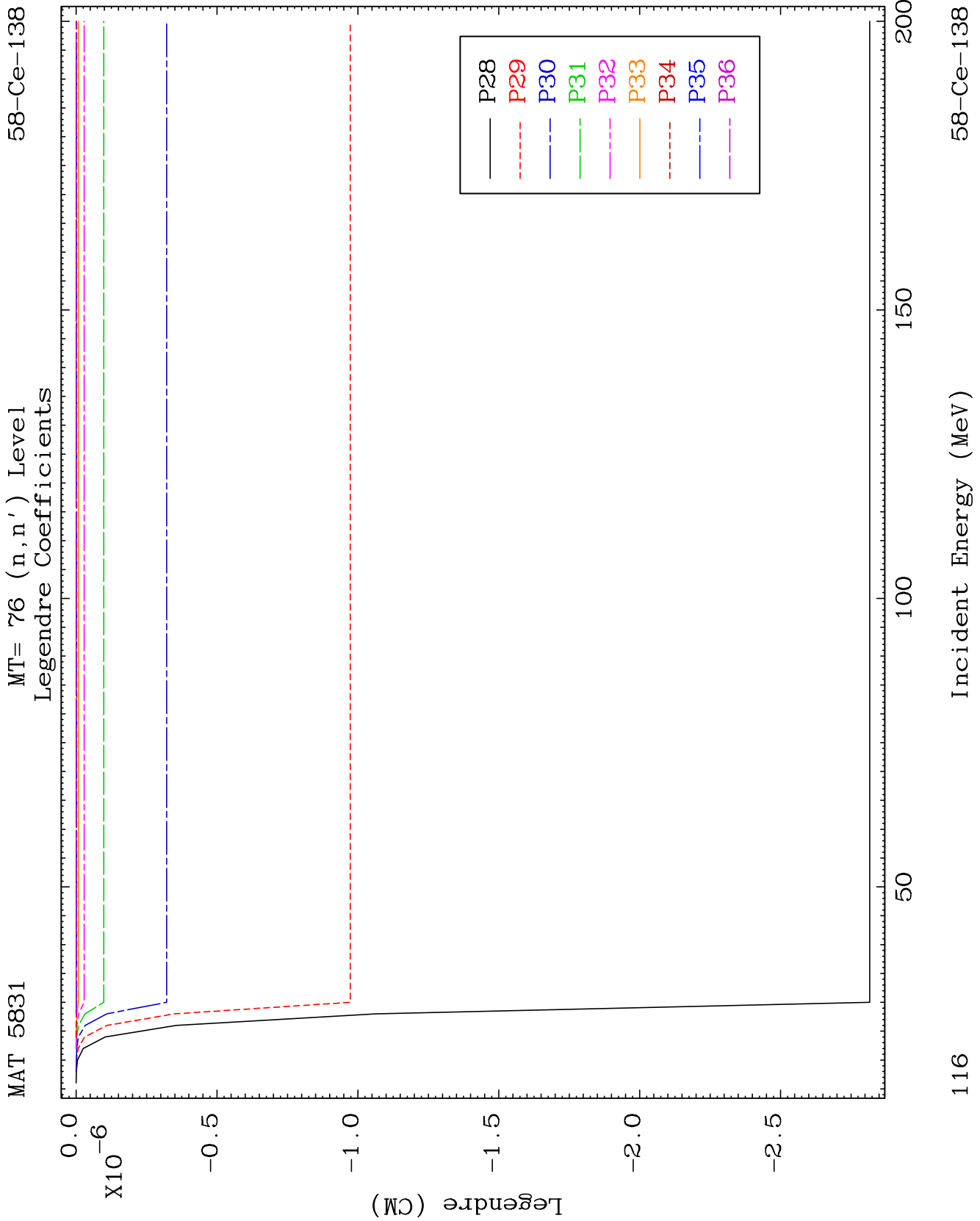
58-Ce-138



115

Incident Energy (MeV)

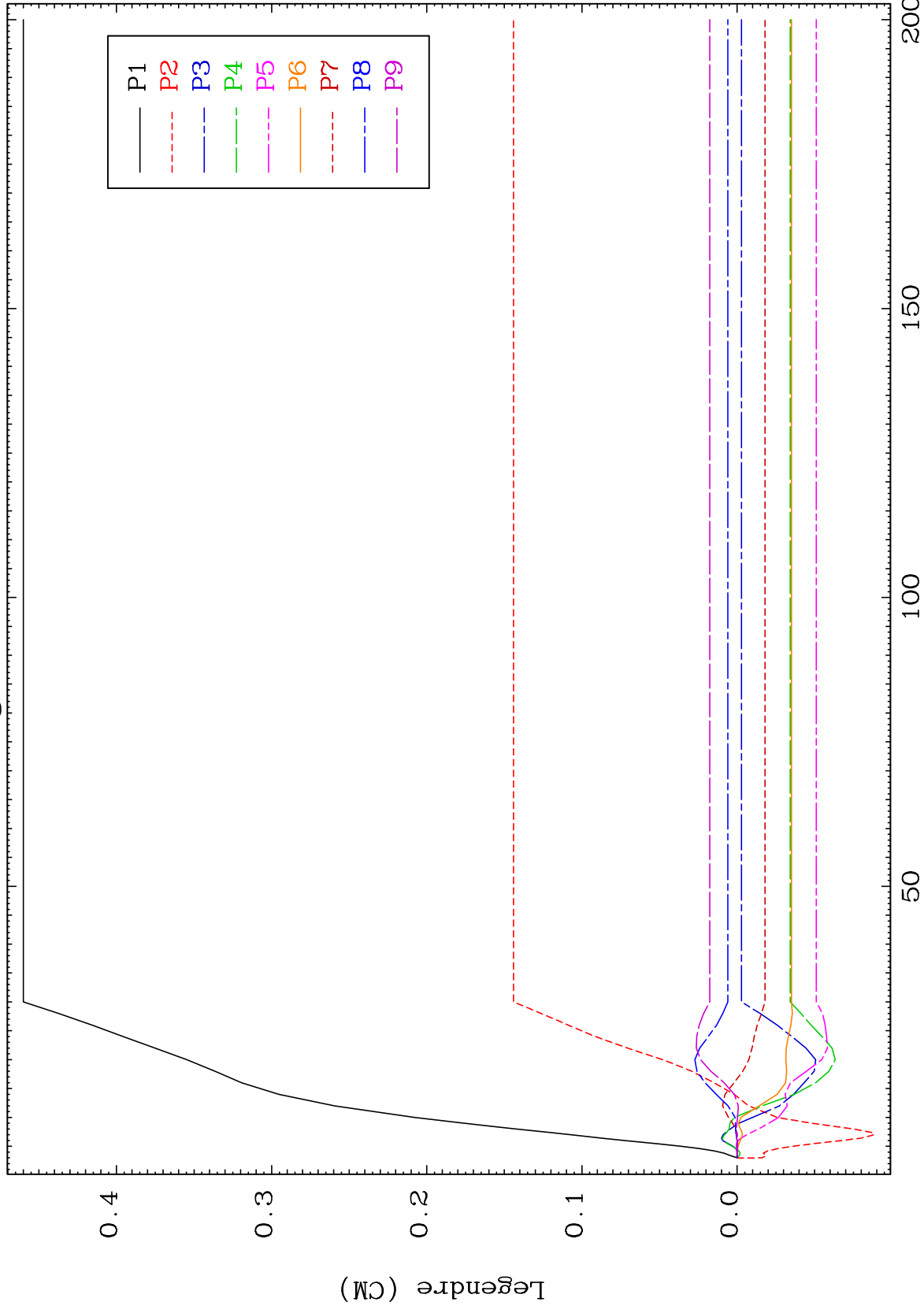
58-Ce-138



MAT 5831

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

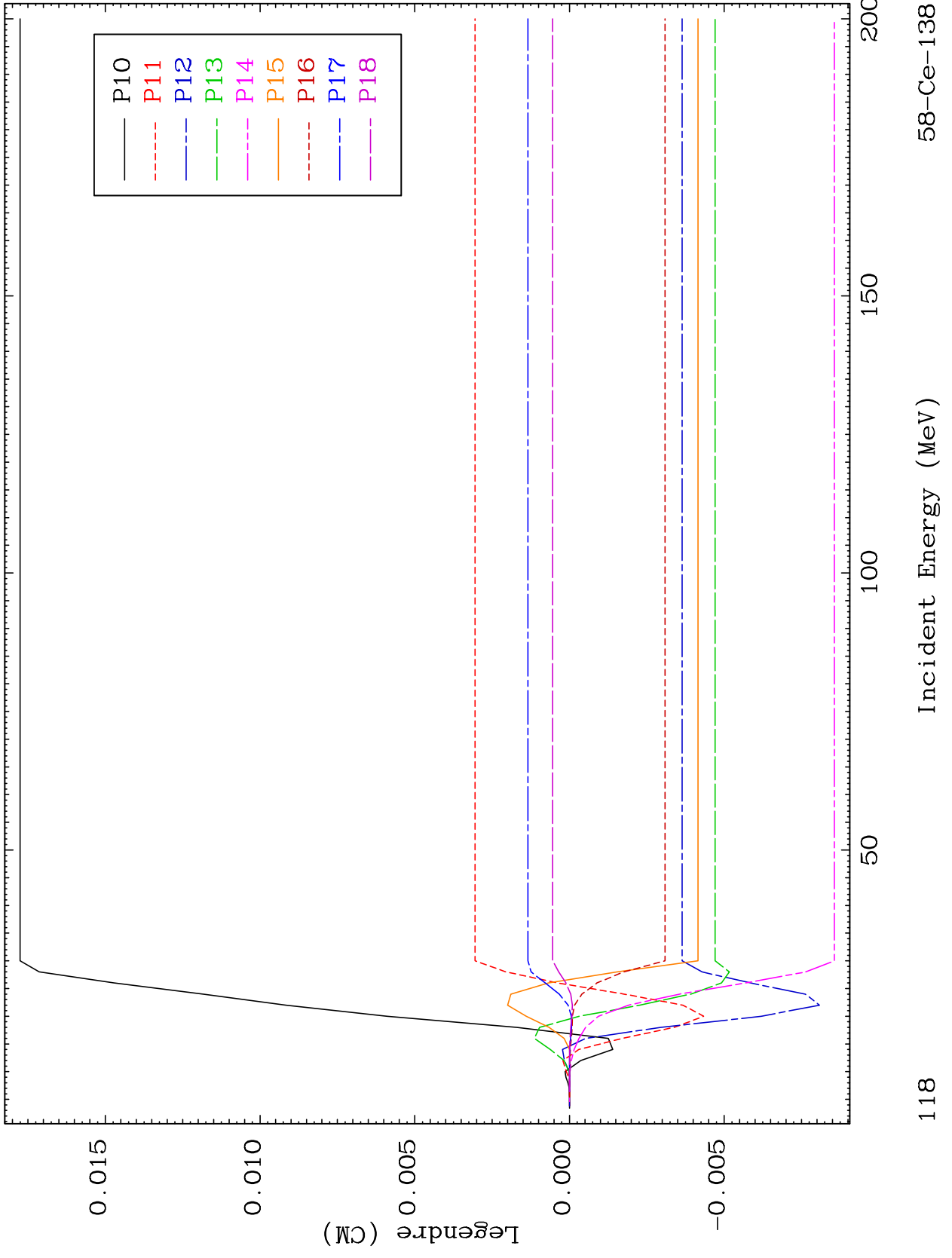
58-Ce-138

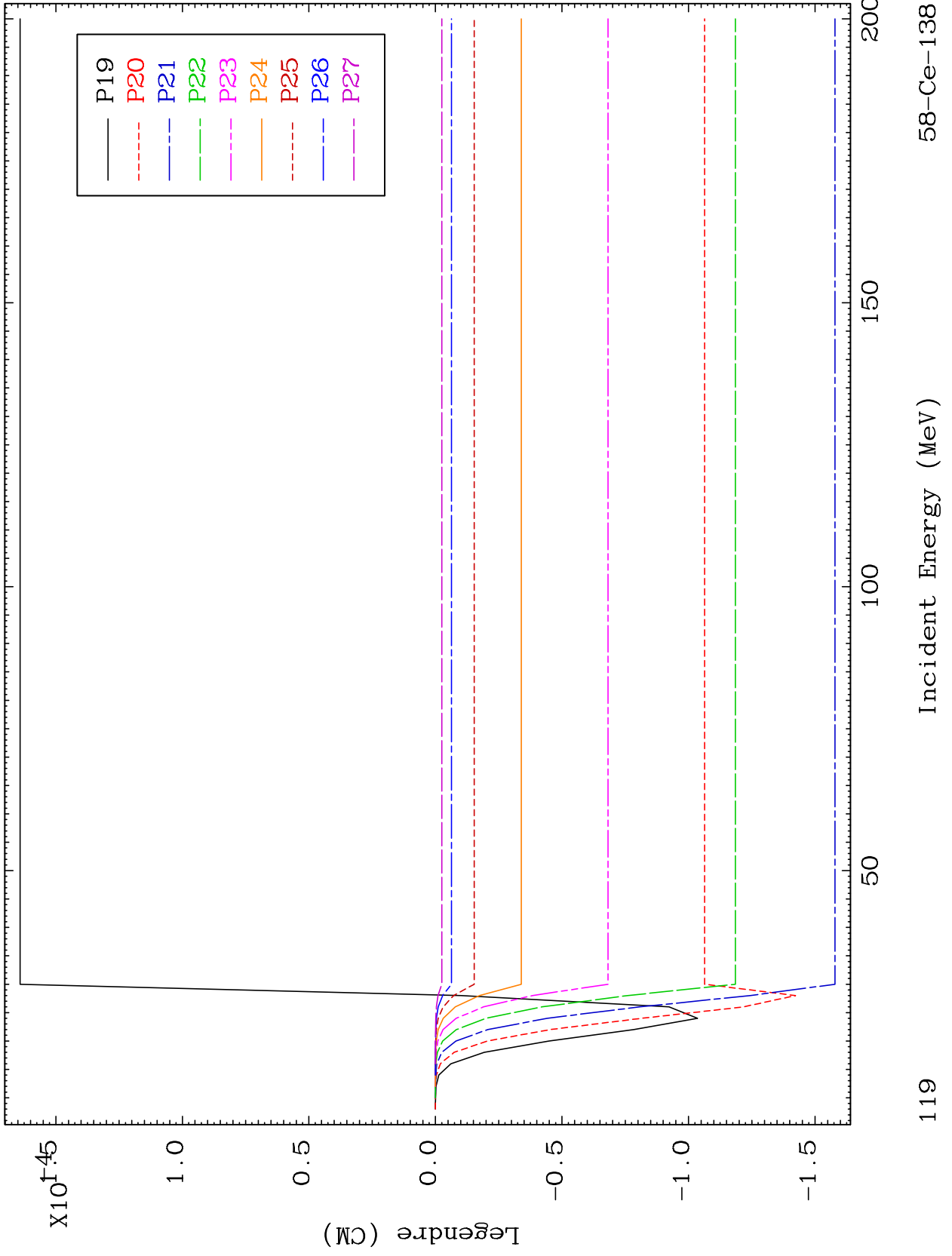


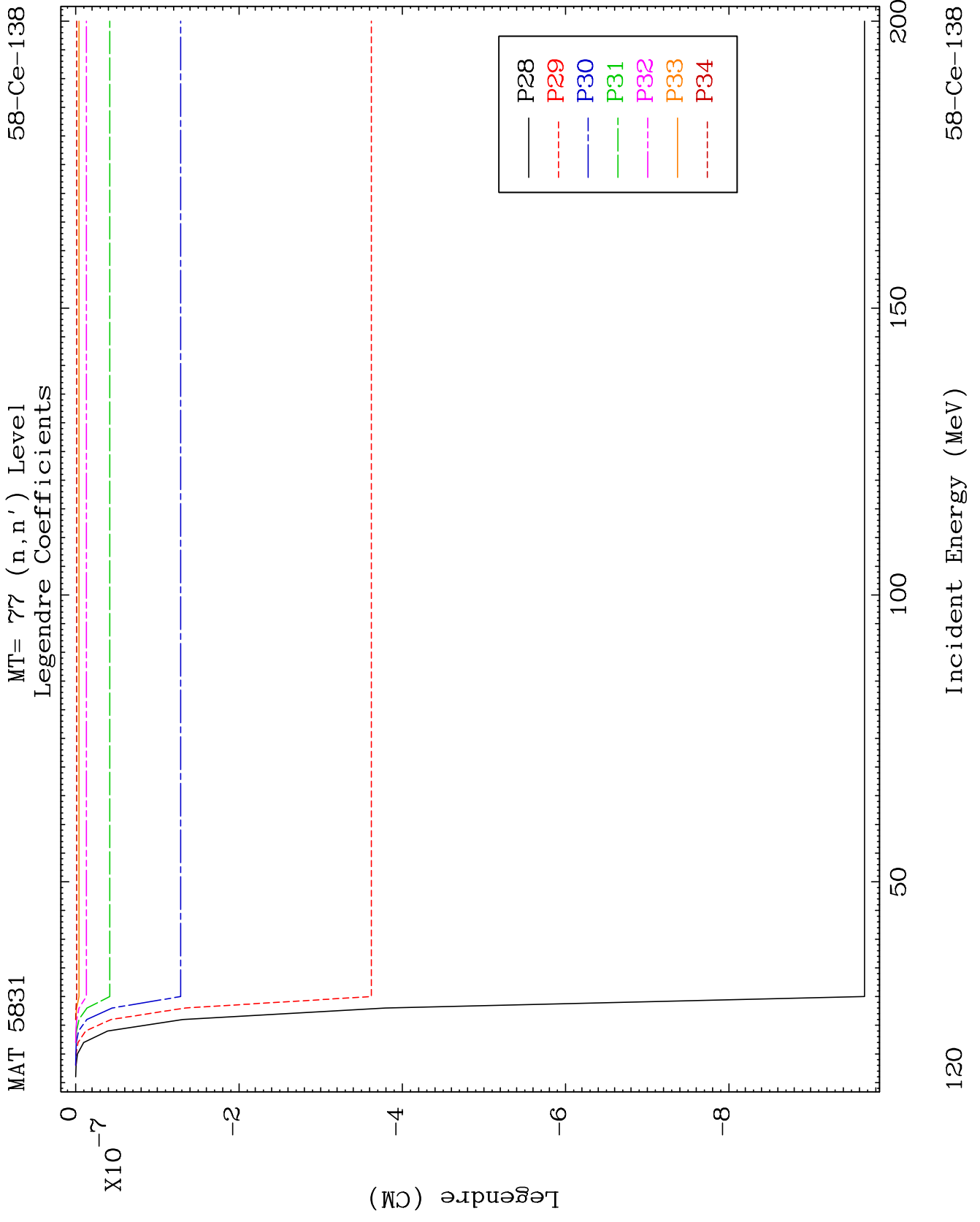
117

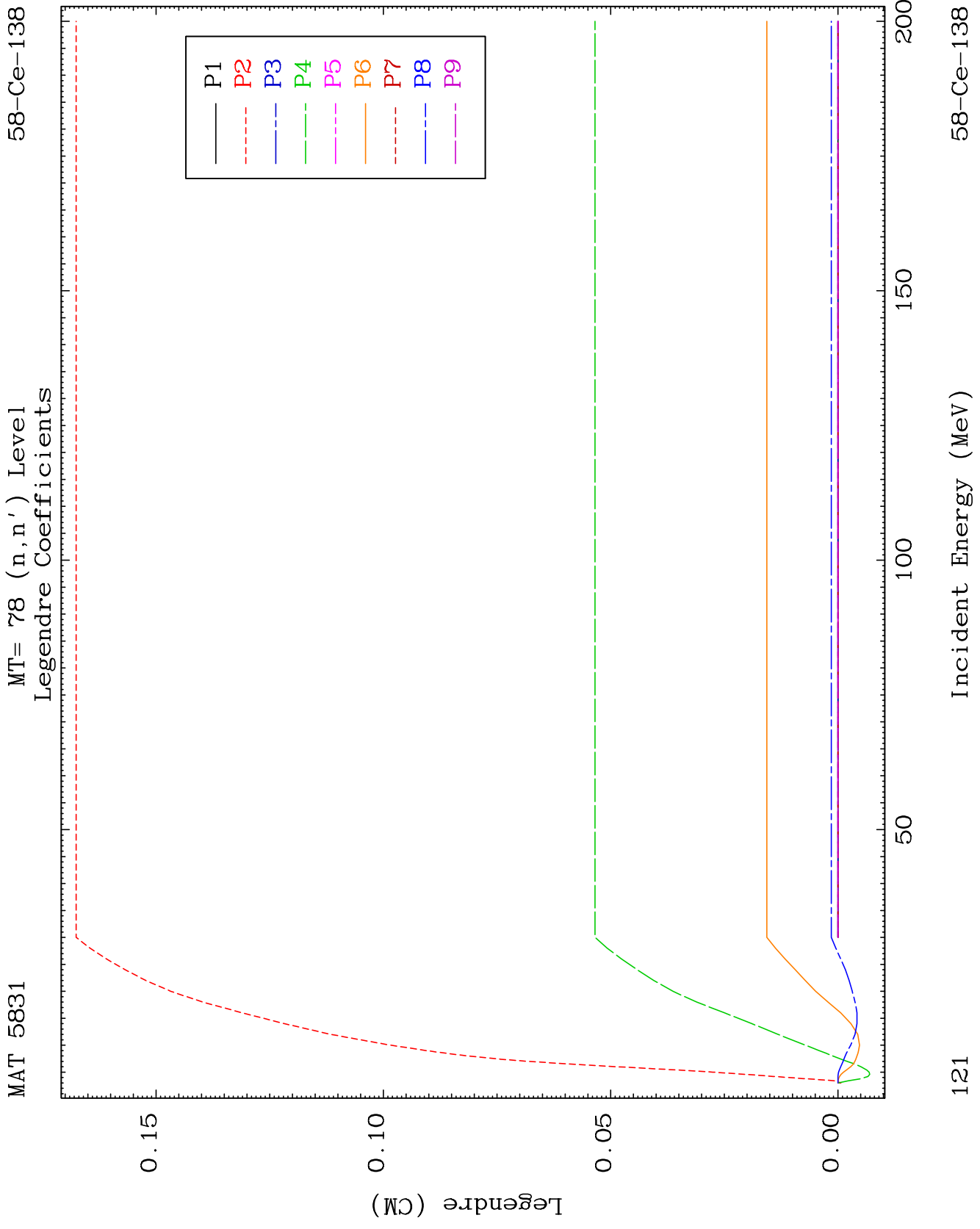
Incident Energy (MeV)

58-Ce-138





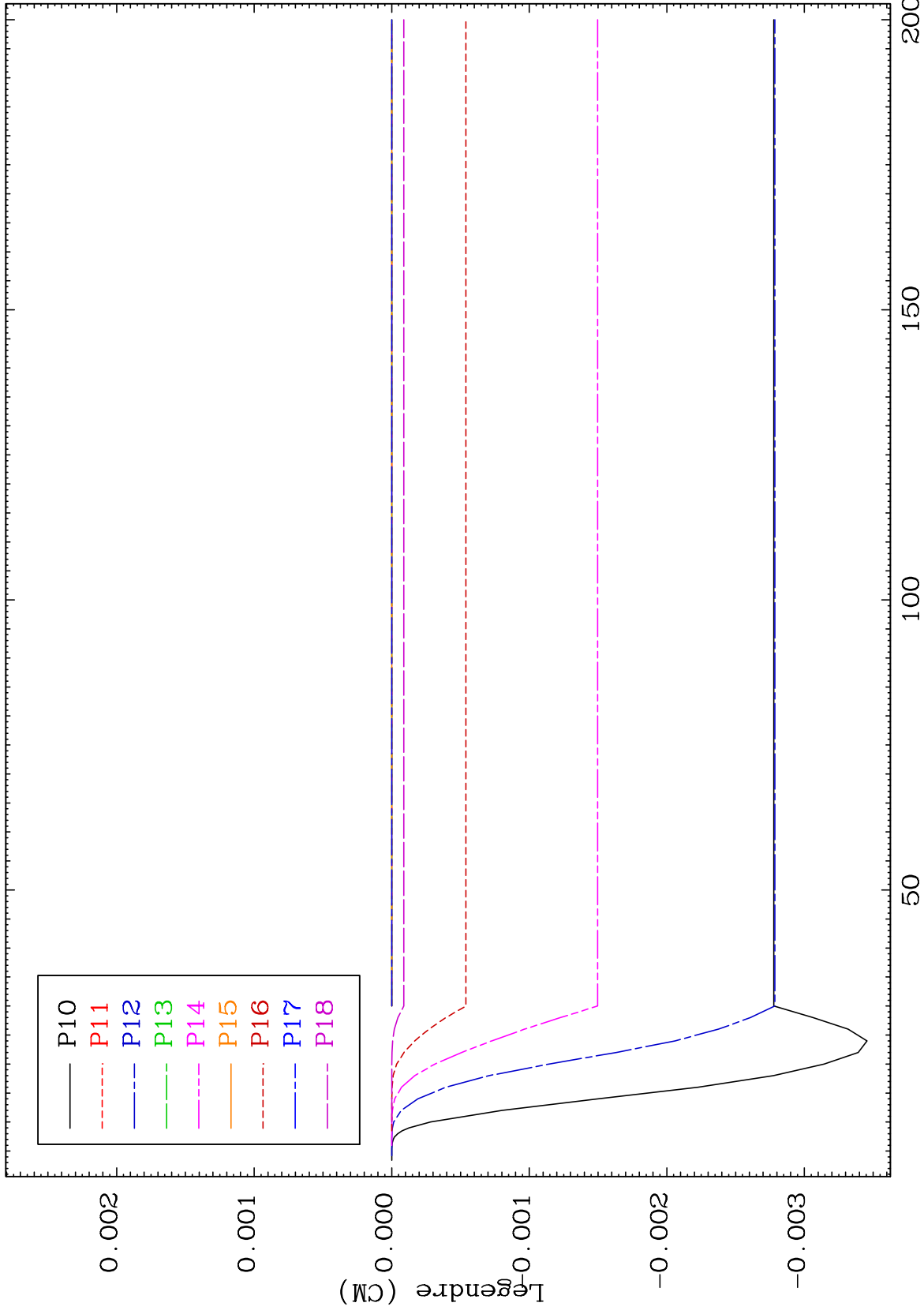




MAT 5831

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

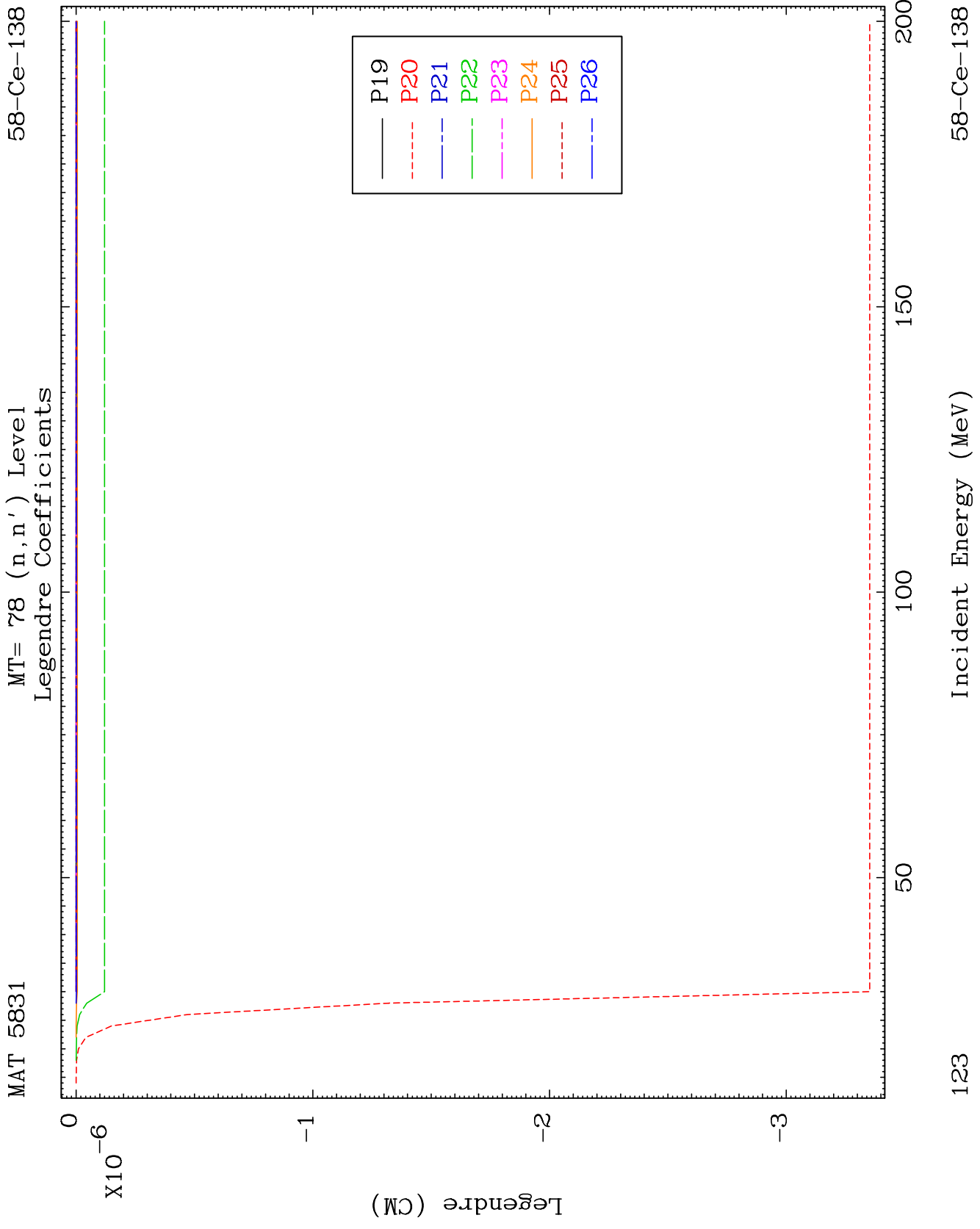
58-Ce-138



122

Incident Energy (MeV)

58-Ce-138

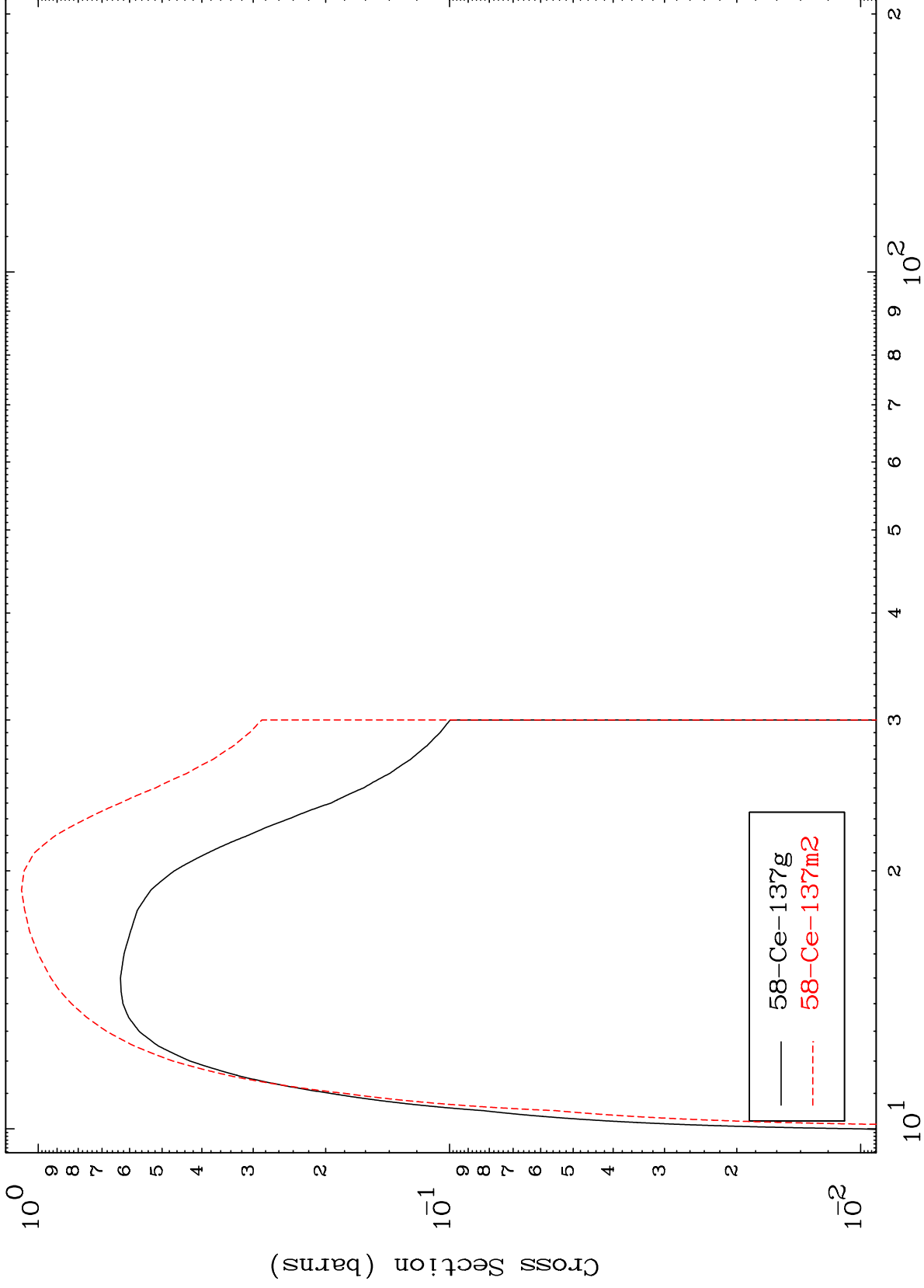


MAT 5831

(n,2n)

58-Ce-138

Radionuclide Production Cross Section



Incident Energy (MeV)

58-Ce-138

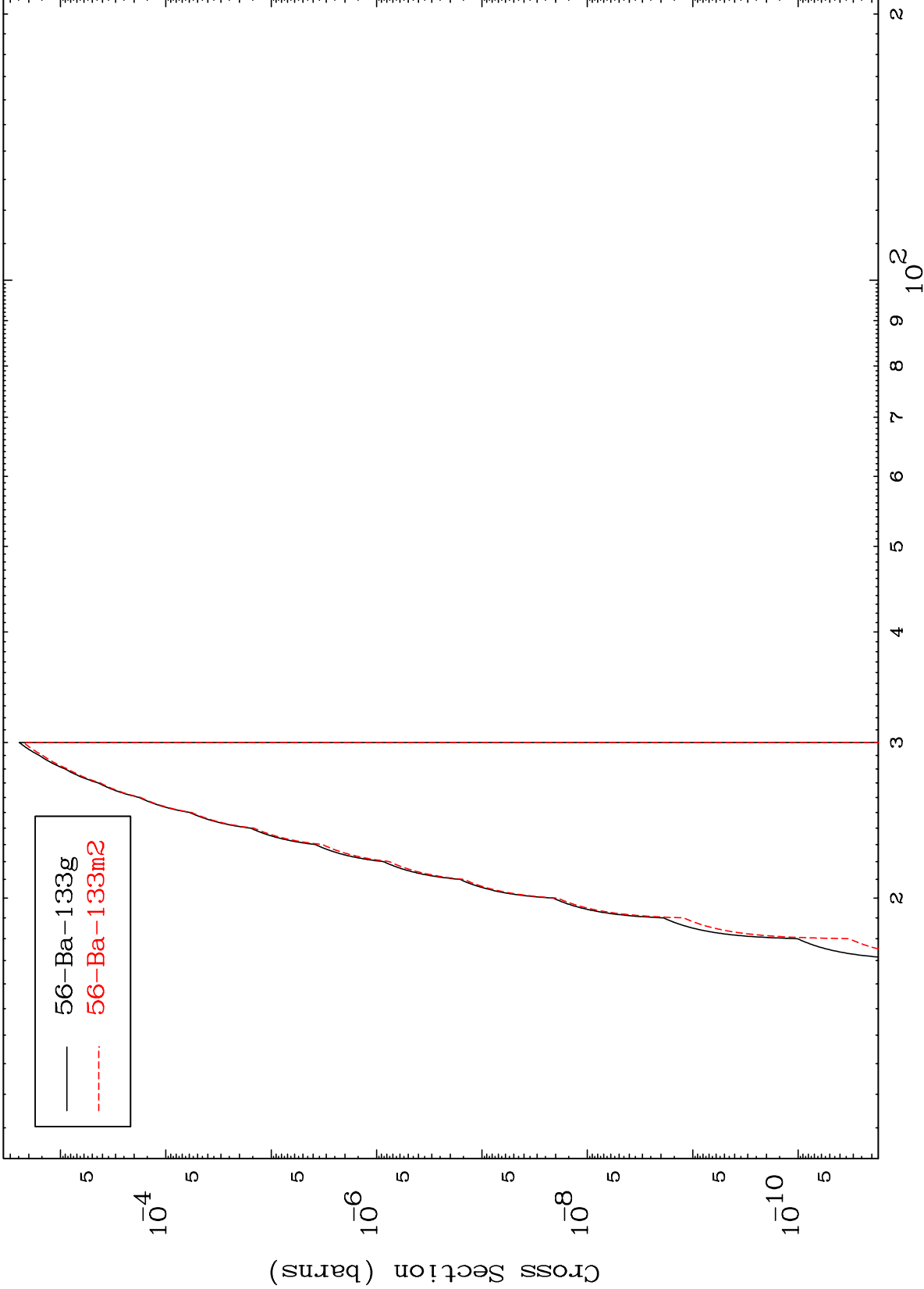
124

MAT 5831

(n,2n) α

58-Ce-138

Radionuclide Production Cross Section

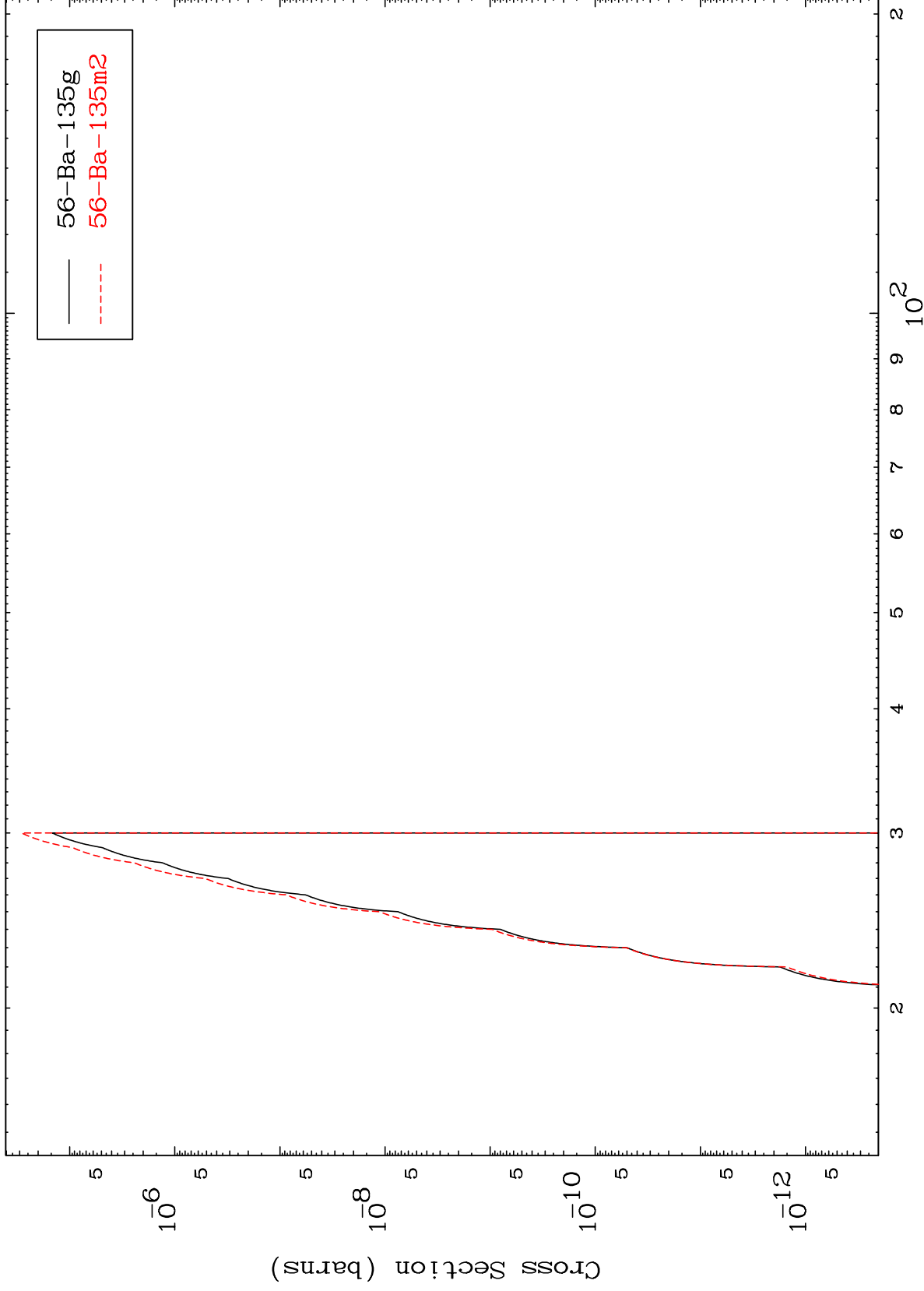


125

Incident Energy (MeV)

58-Ce-138

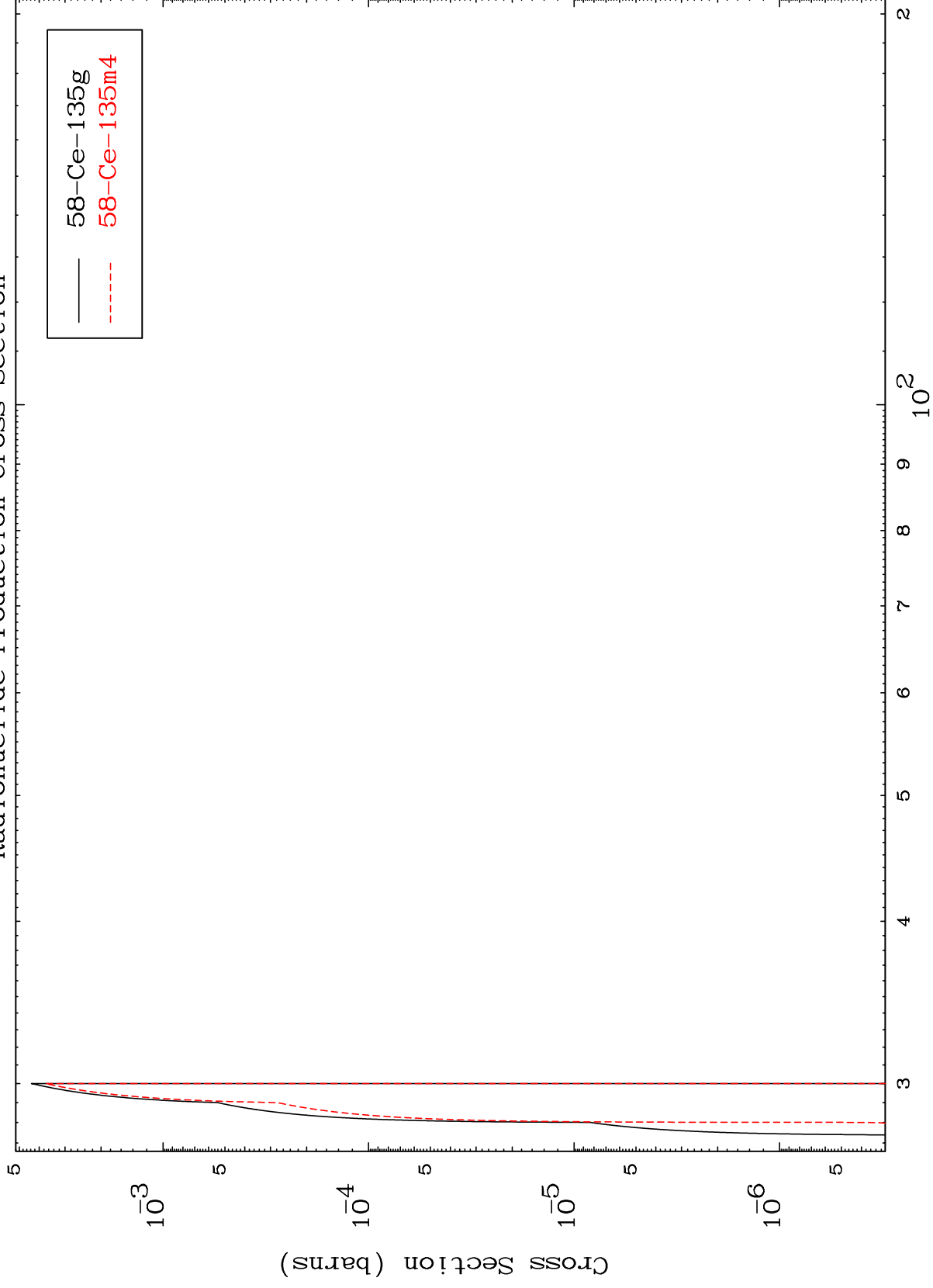
Radionuclide Production Cross Section



MAT 5831

58-Ce-138

(n,4n)
Radionuclide Production Cross Section



127

58-Ce-138

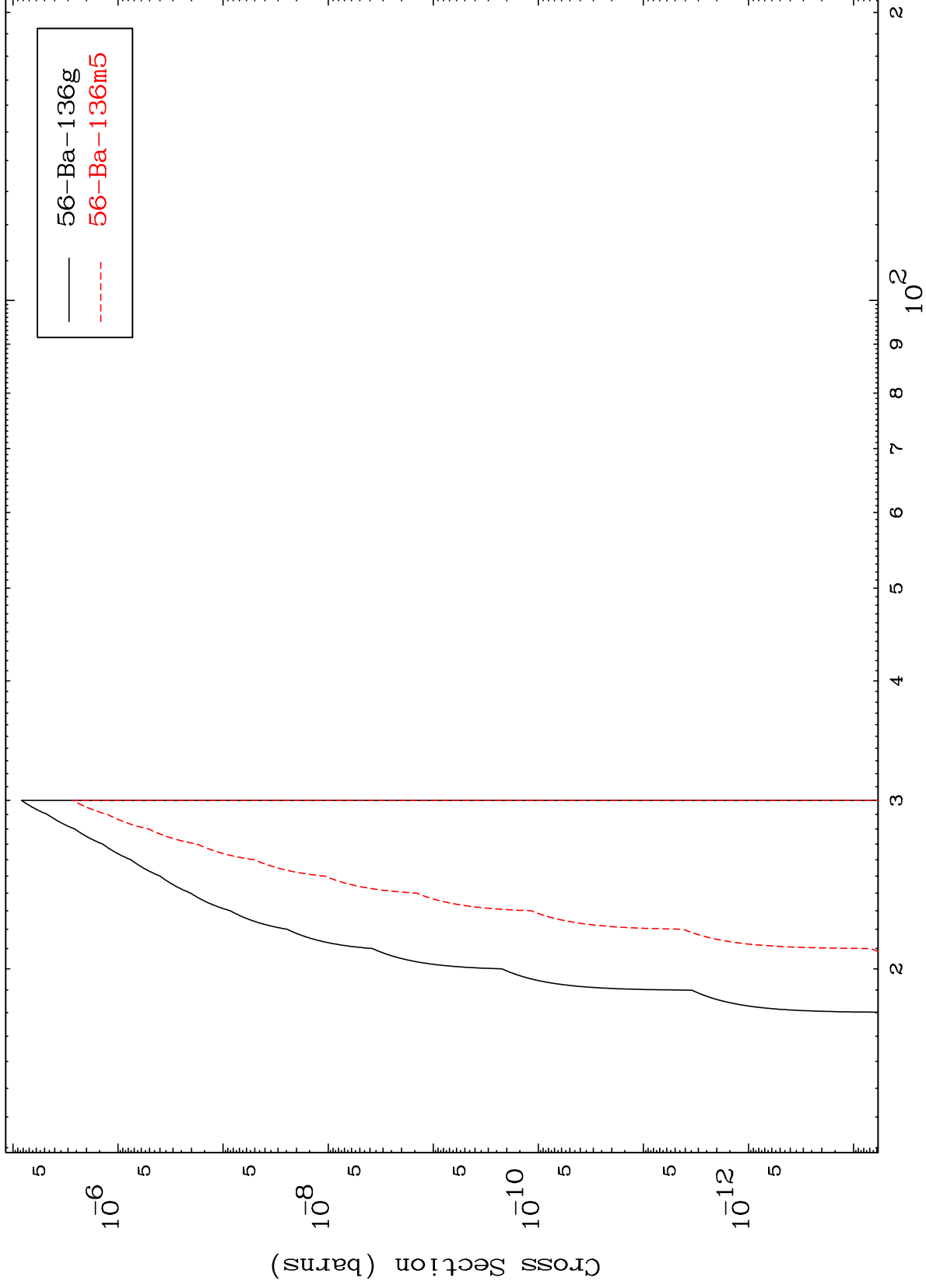
Incident Energy (MeV)

MAT 5831

(n,2n) p

58-Ce-138

Radionuclide Production Cross Section



128

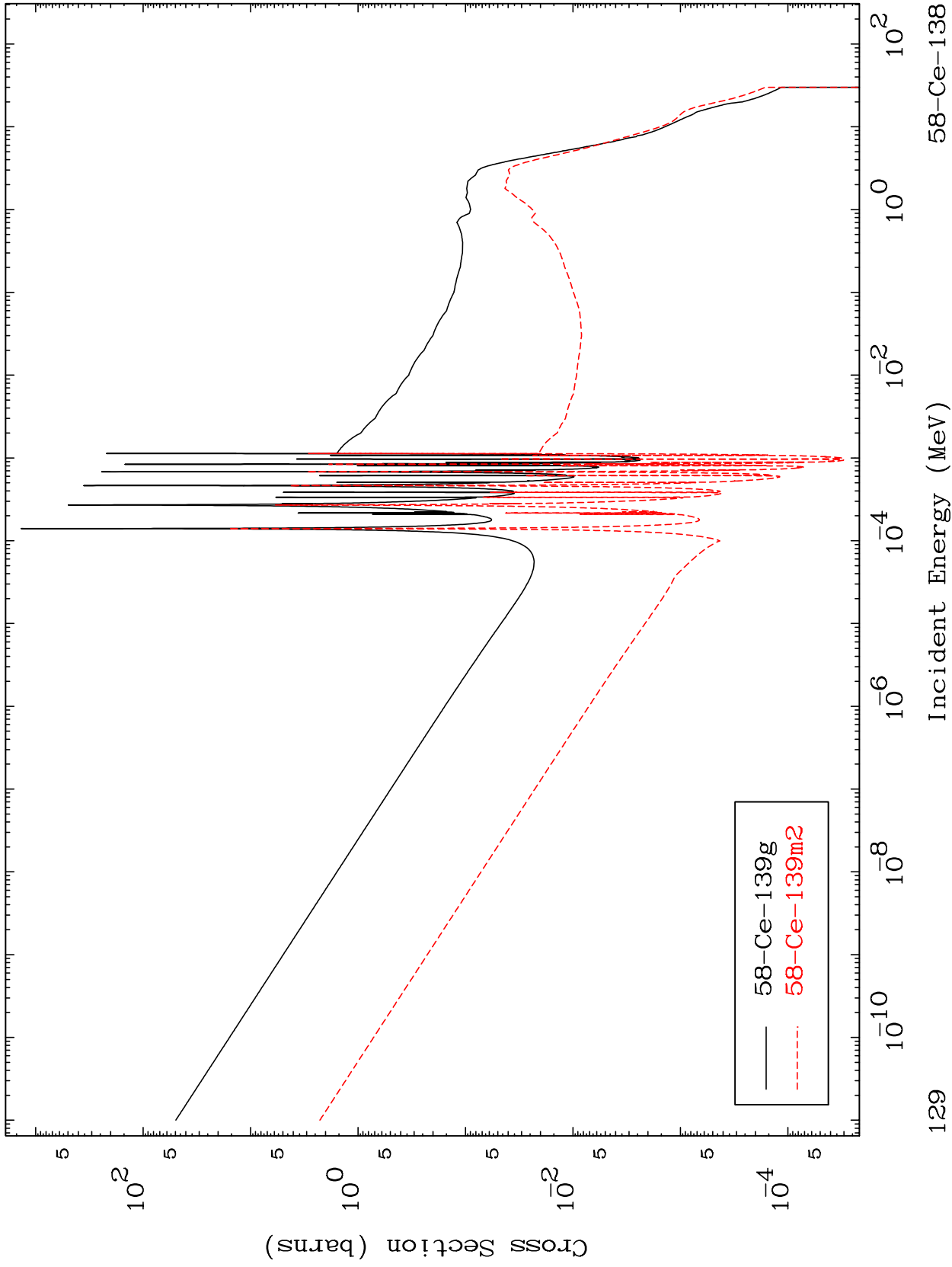
Incident Energy (MeV)

58-Ce-138

MAT 5831

58-Ce-138

(n,γ)
Radionuclide Production Cross Section

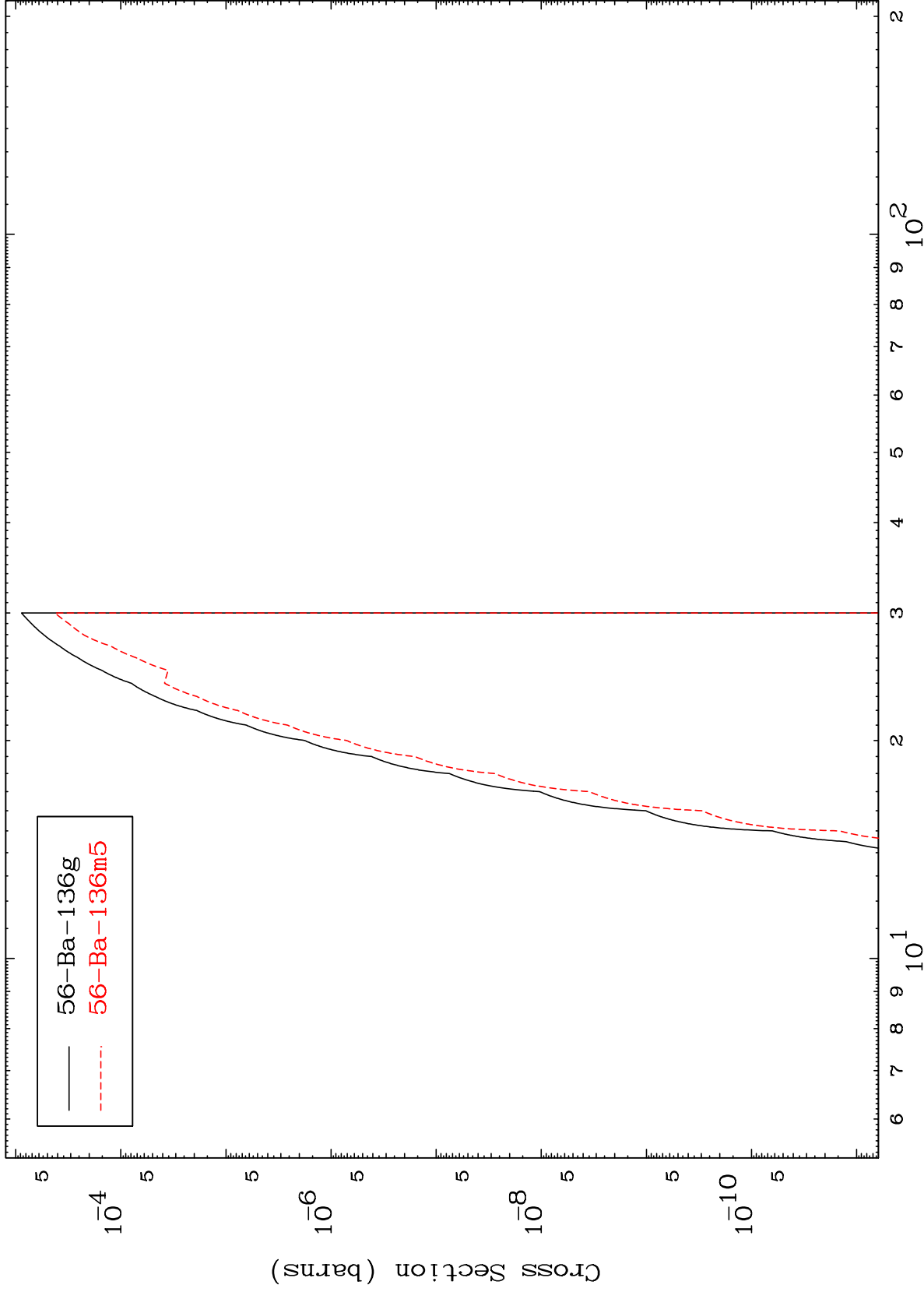


MAT 5831

(n,He-3)

58-Ce-138

Radionuclide Production Cross Section



130

Incident Energy (MeV)

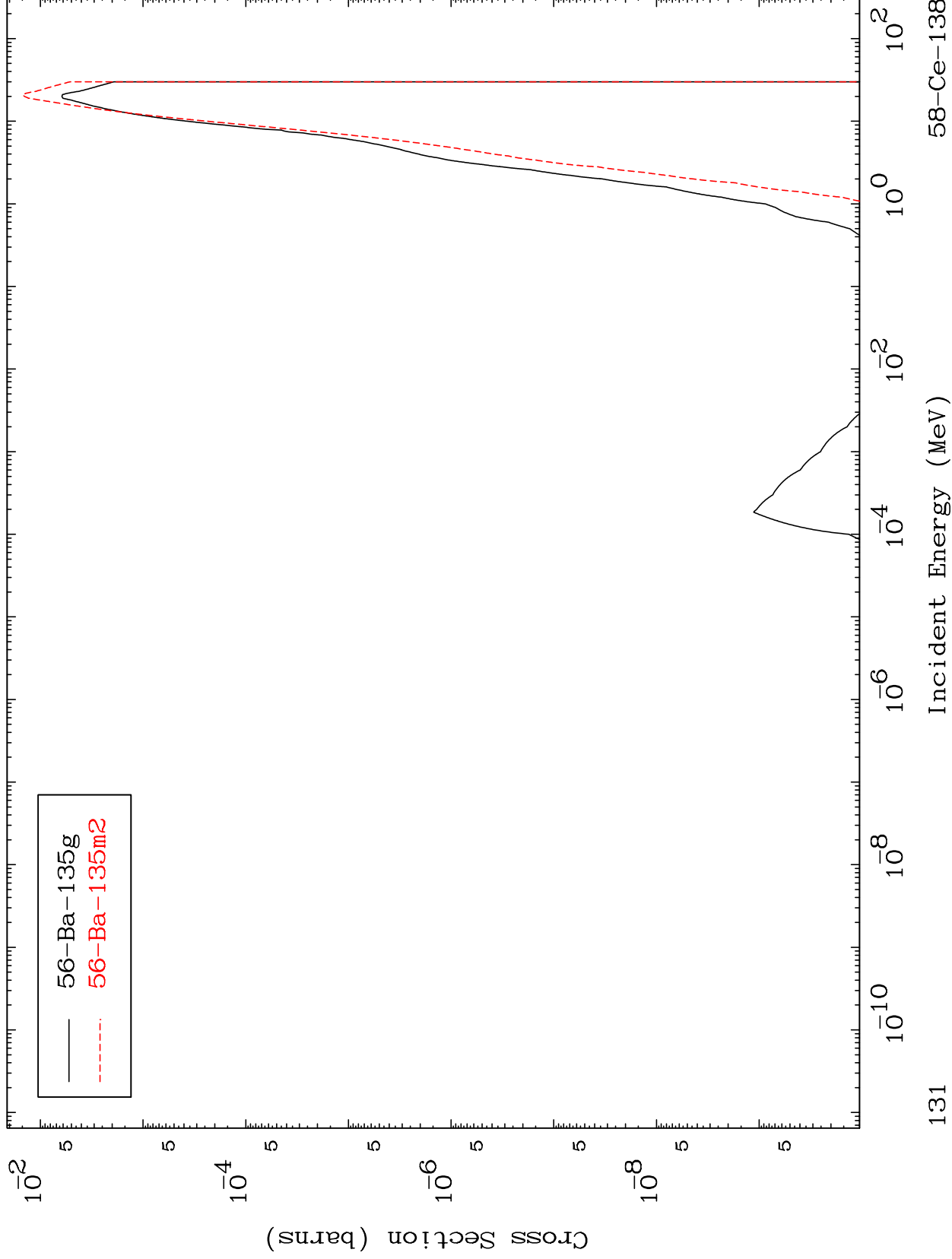
58-Ce-138

MAT 5831

(n, α)

58-Ce-138

Radionuclide Production Cross Section



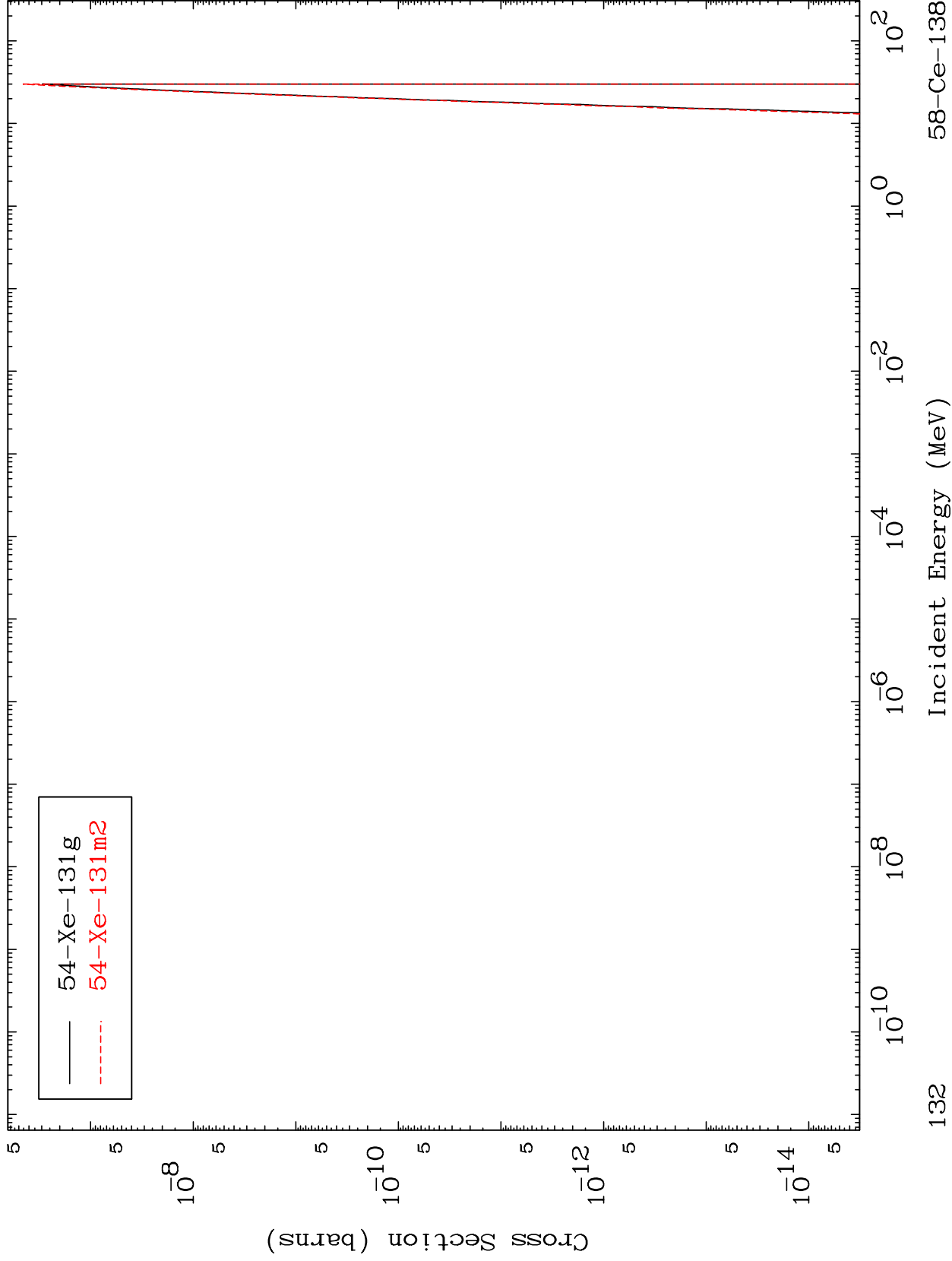
131

MAT 5831

(n,2α)

58-Ce-138

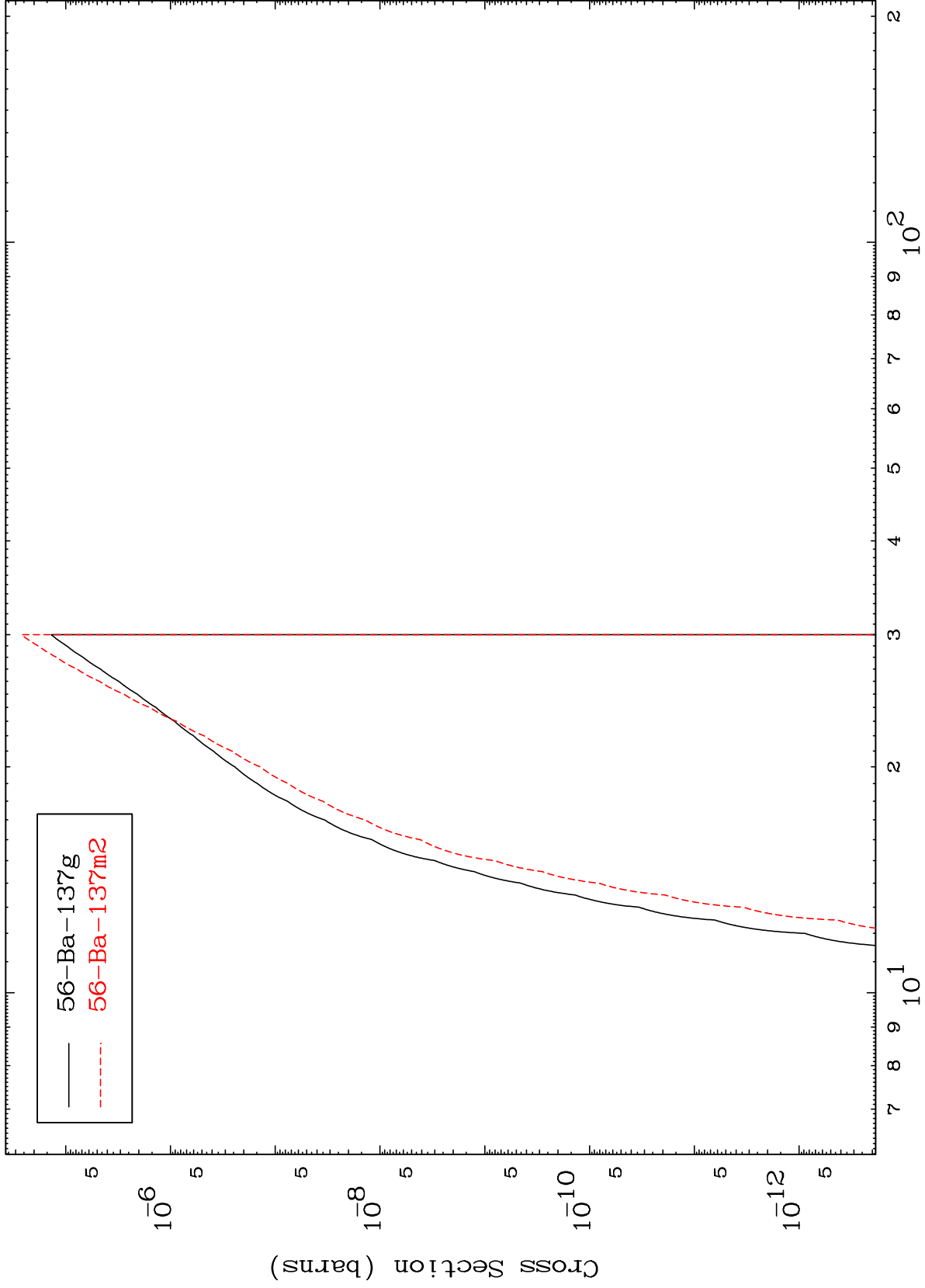
Radionuclide Production Cross Section



MAT 5831

58-Ce-138

(n,2p)
Radionuclide Production Cross Section



133

Incident Energy (MeV)

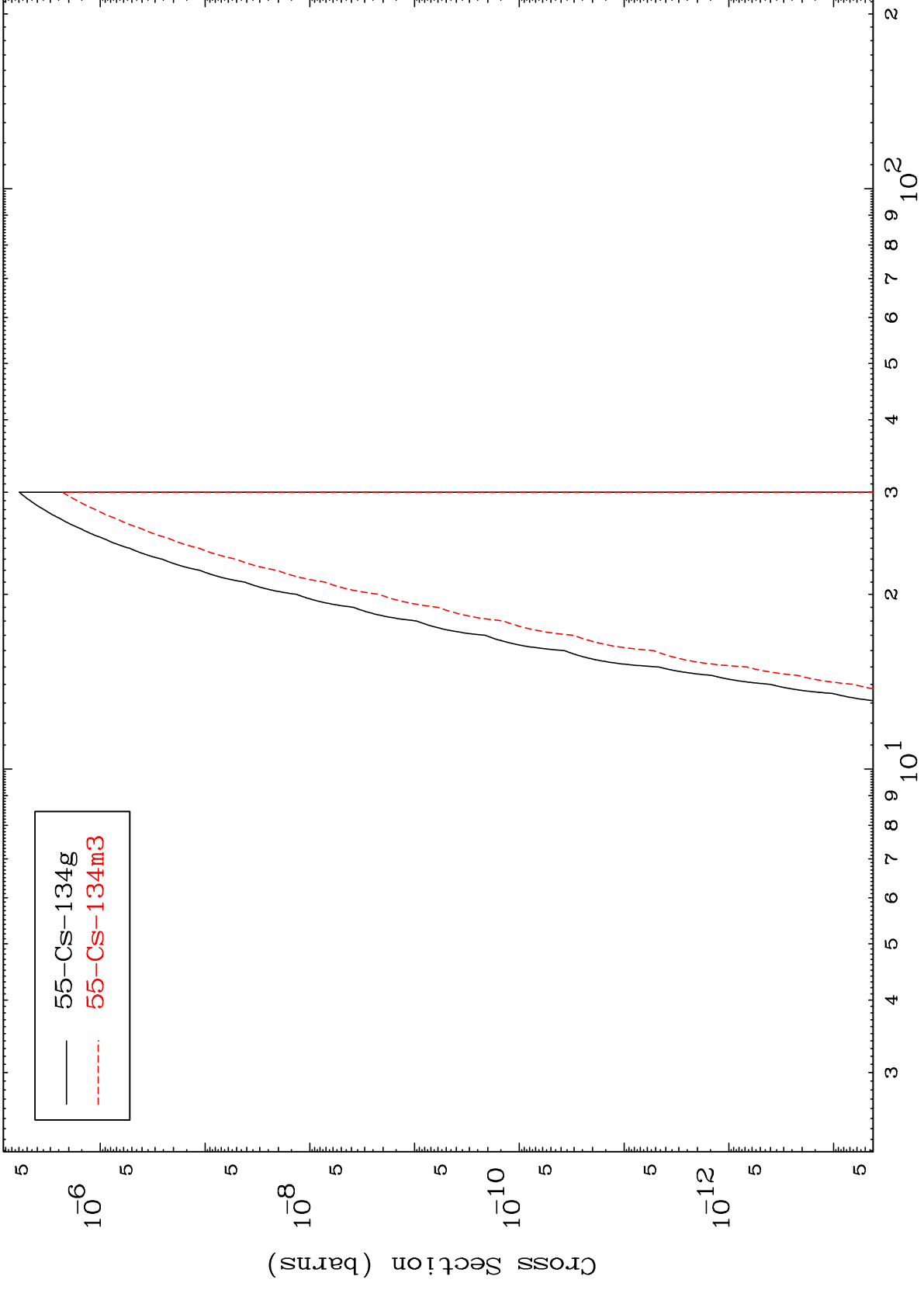
58-Ce-138

MAT 5831

(n,p) α

58-Ce-138

Radionuclide Production Cross Section



134

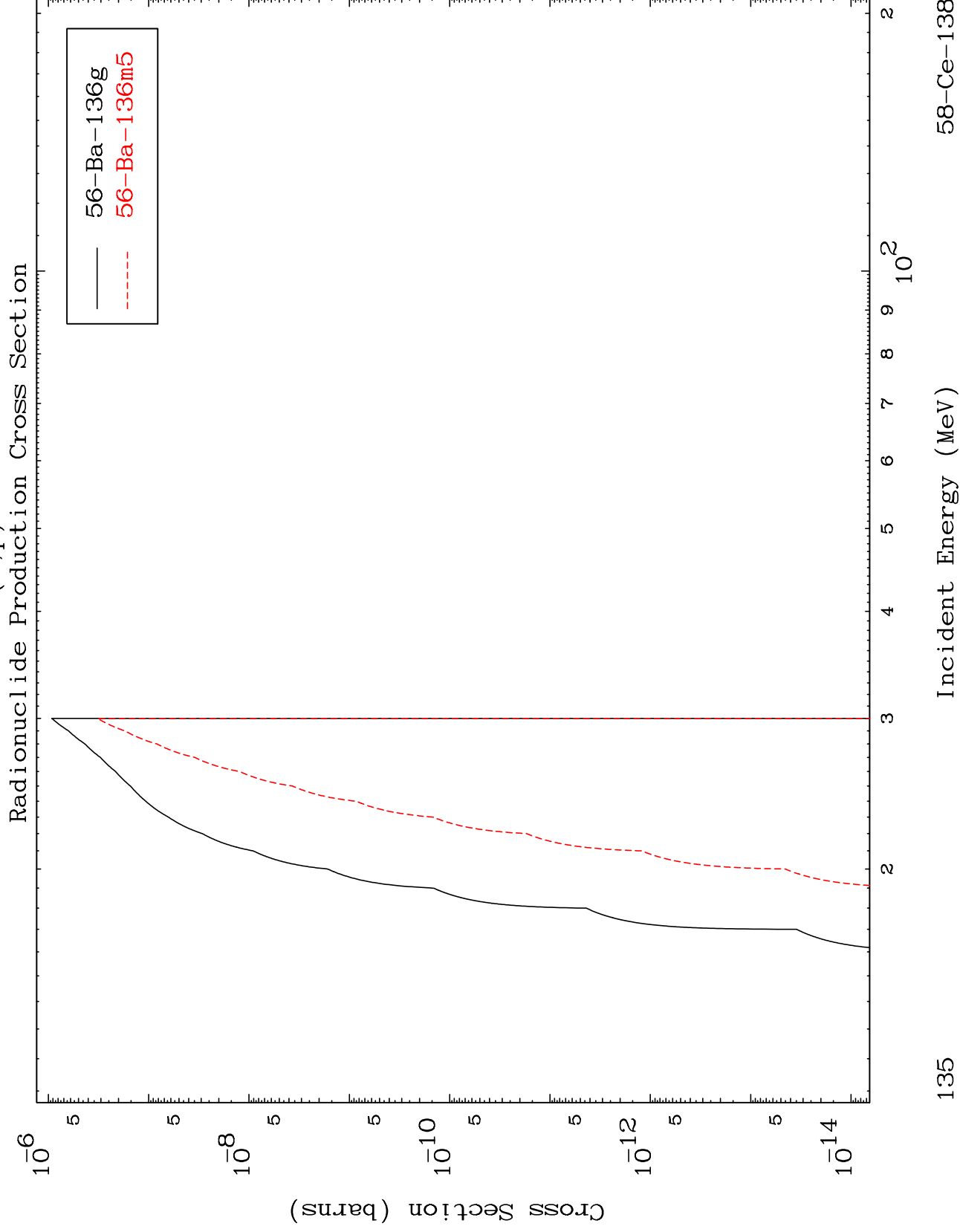
Incident Energy (MeV)

58-Ce-138

MAT 5831

(n,p) d

58-Ce-138



135

58-Ce-138

