

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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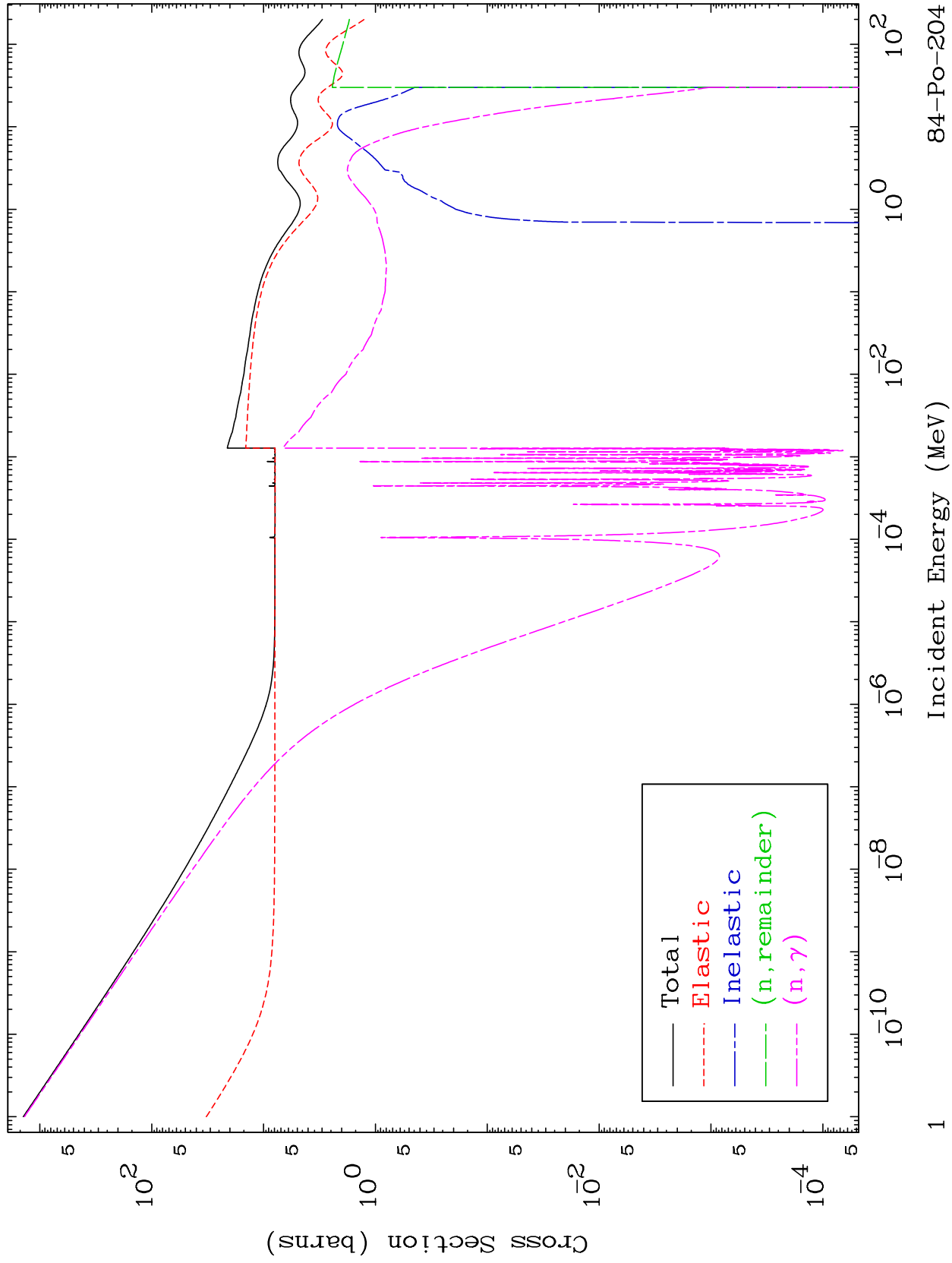
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8419

Major  
293 Kelvin Cross Sections

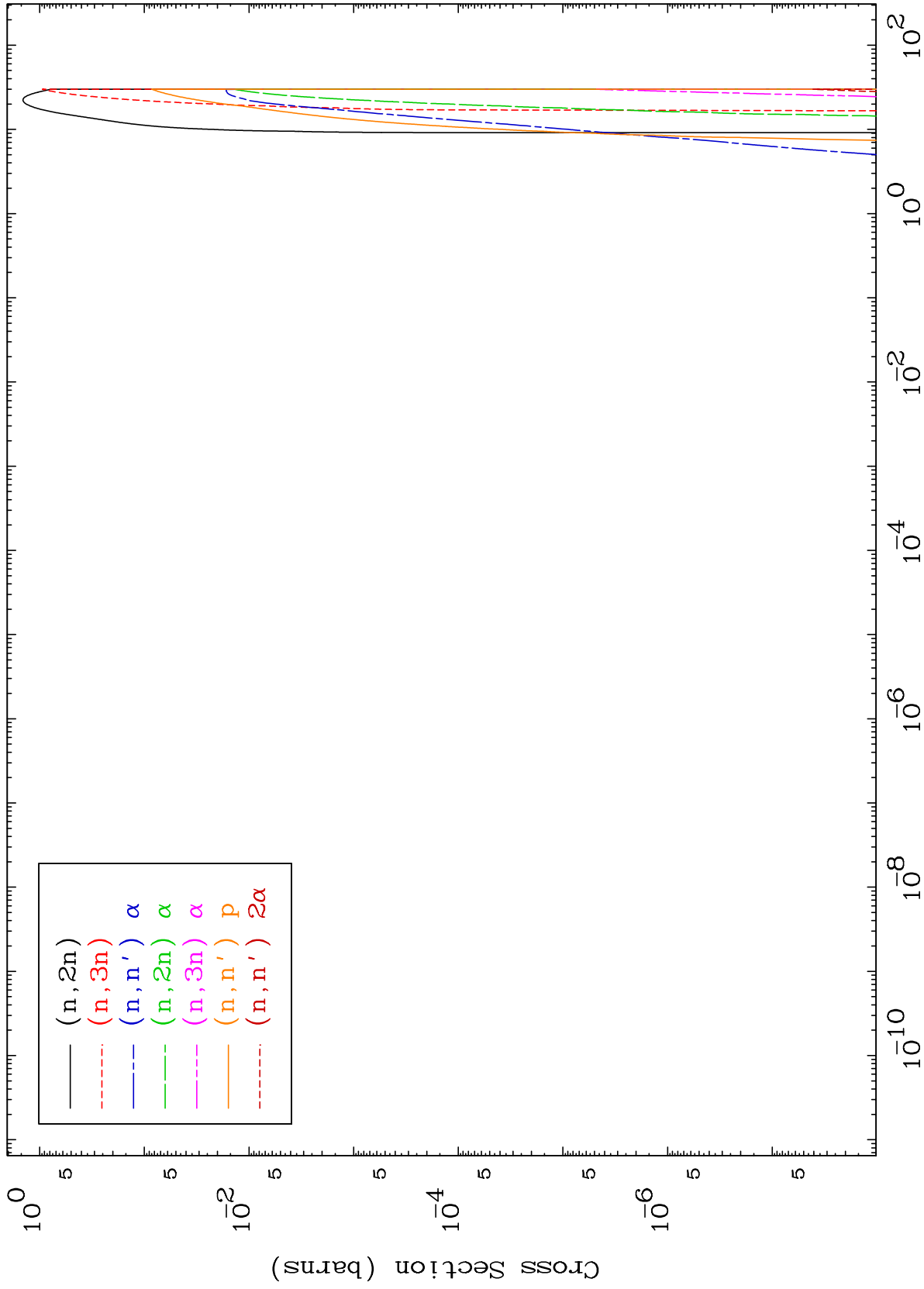
84-Po-204



MAT 8419

Neutron Production  
293 Kelvin Cross Sections

84-Po-204



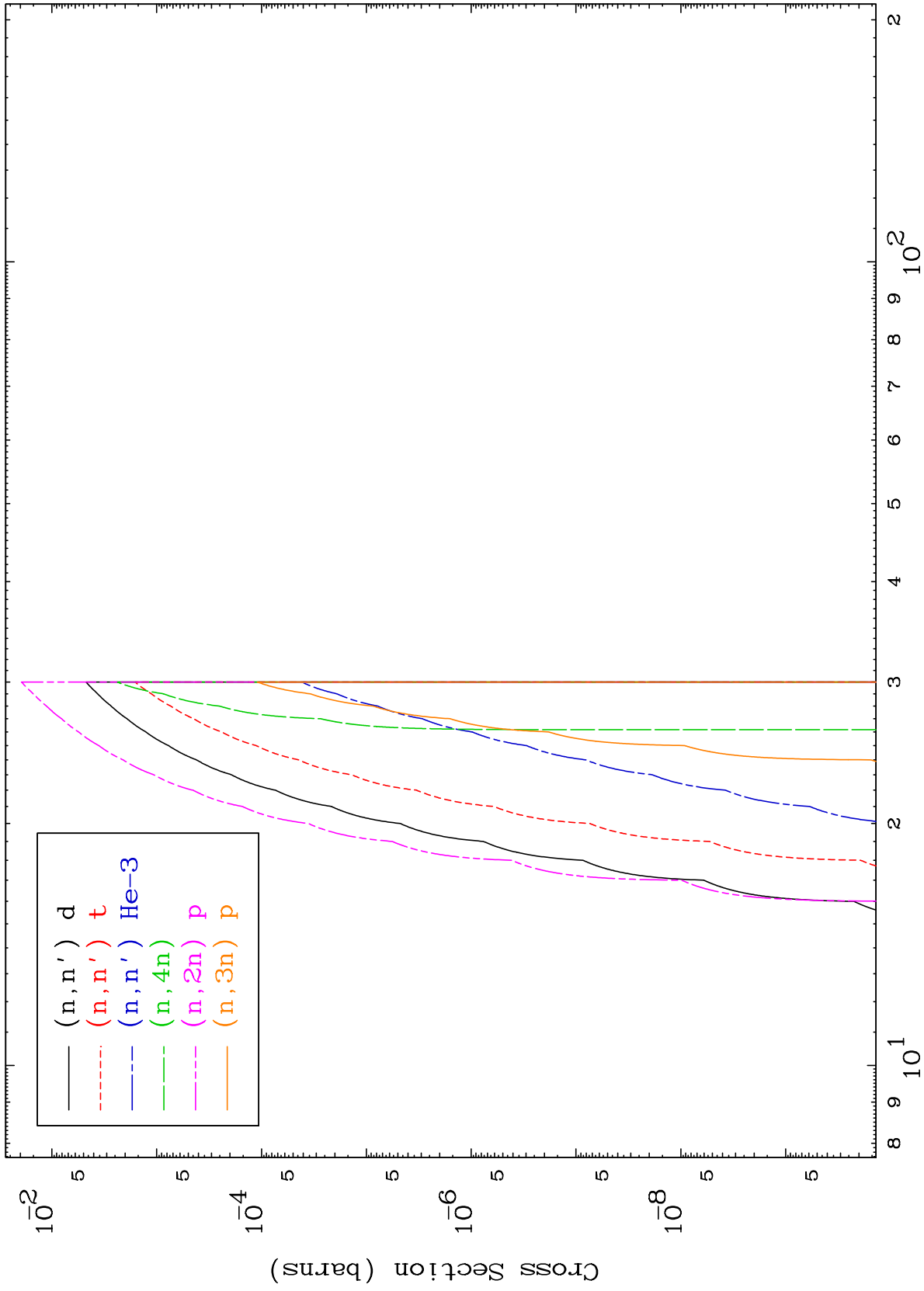
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84-Po-204

MAT 8419

Neutron Production  
293 Kelvin Cross Sections

84-Po-204



3

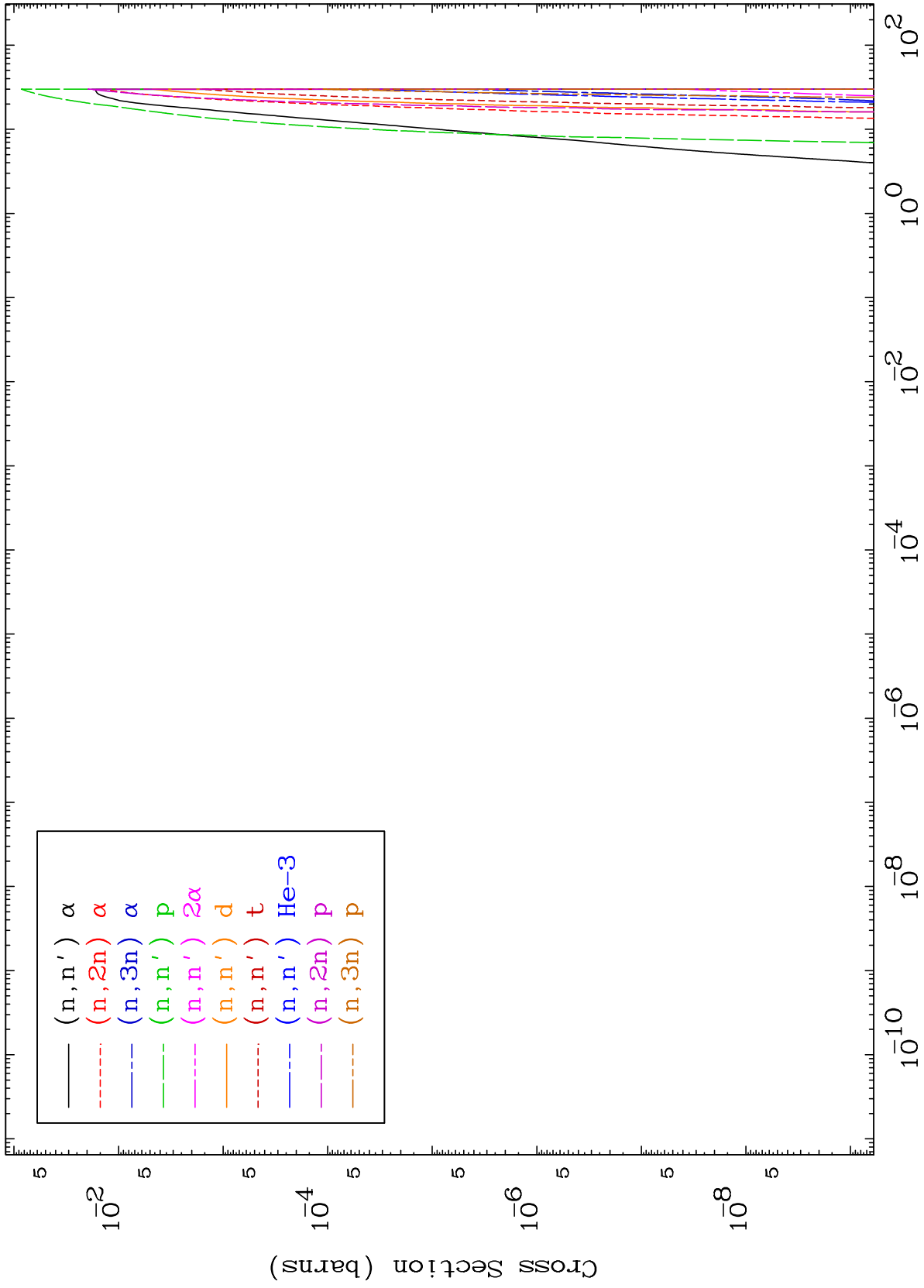
Incident Energy (MeV)

84-Po-204

MAT 8419

Charged Particle  
293 Kelvin Cross Sections

84-Po-204

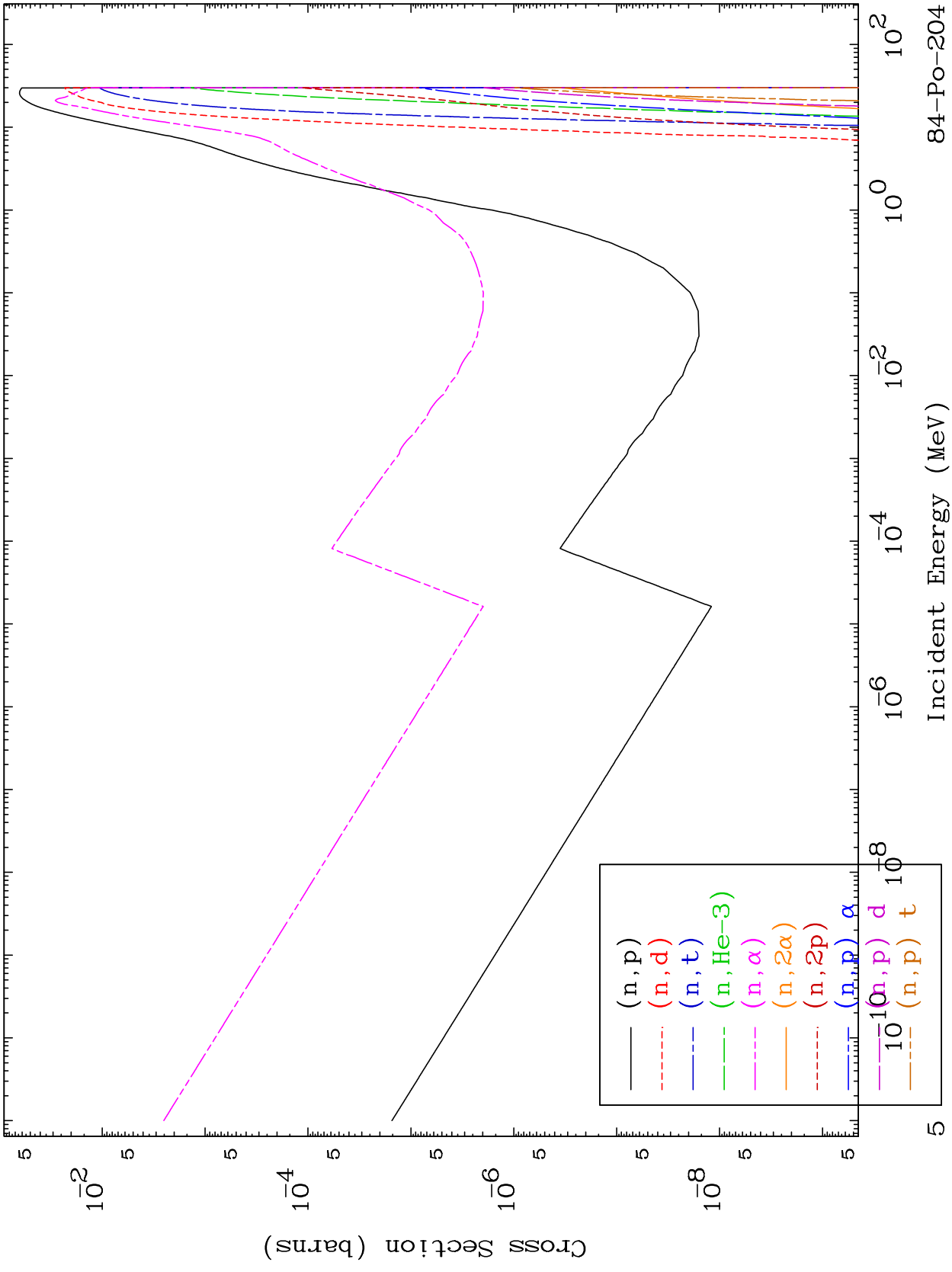


84-Po-204

MAT 8419

293 Kelvin Cross Sections

84-Po-204

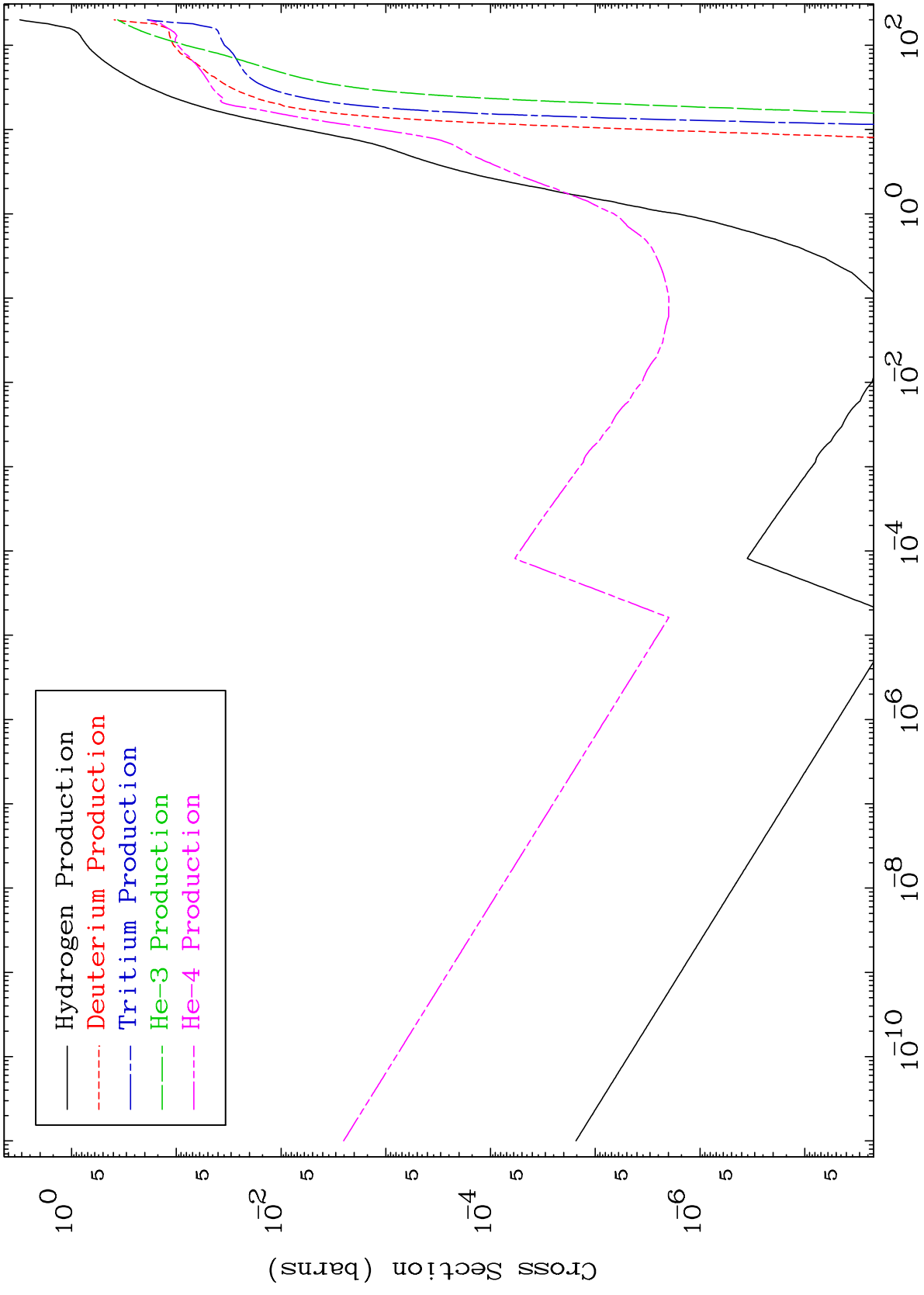


84-Po-204

MAT 8419

Particle Production  
293 Kelvin Cross Sections

84-Po-204

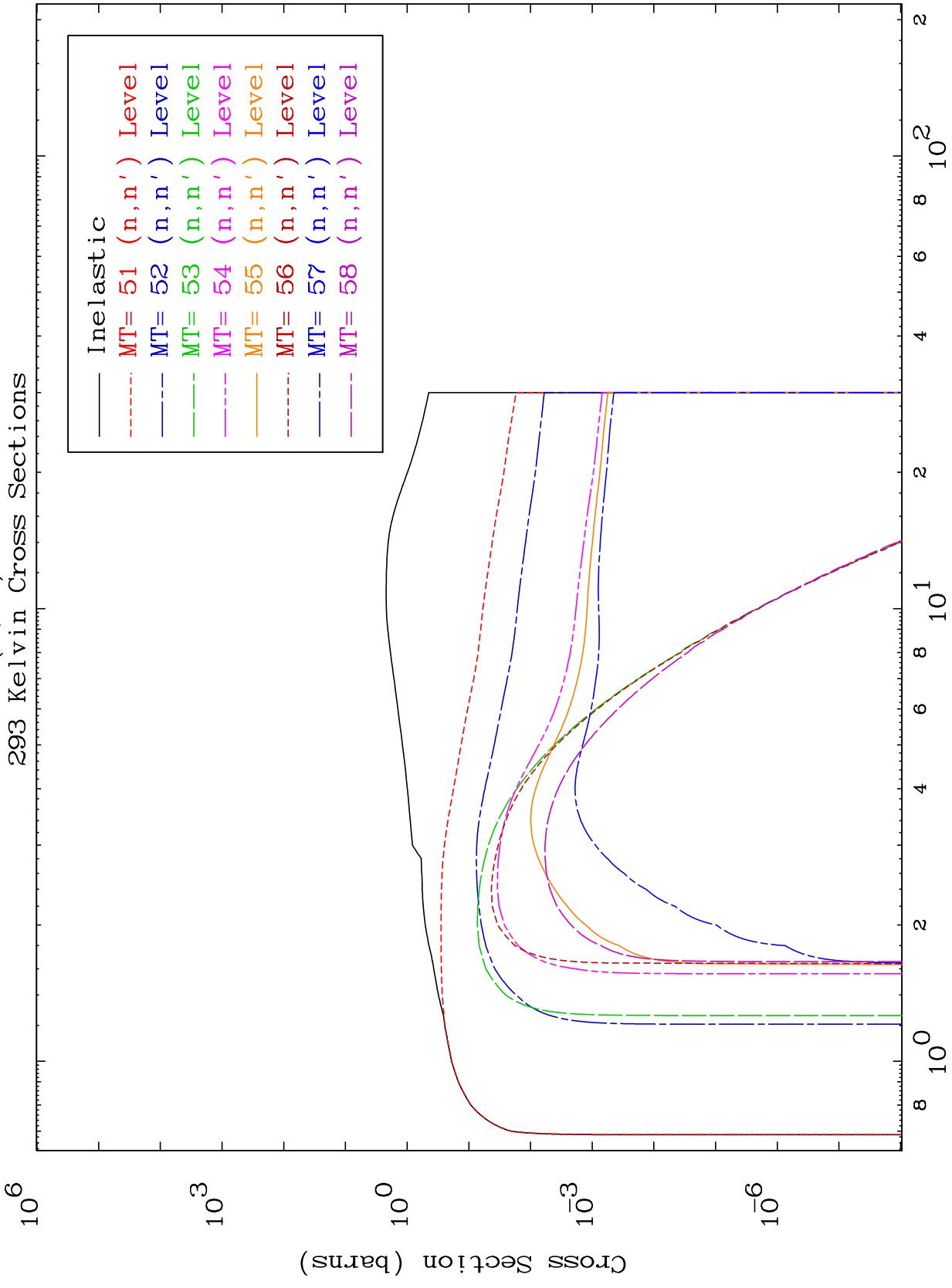


84-Po-204

MAT 8419

(n,n') Level

84-Po-204



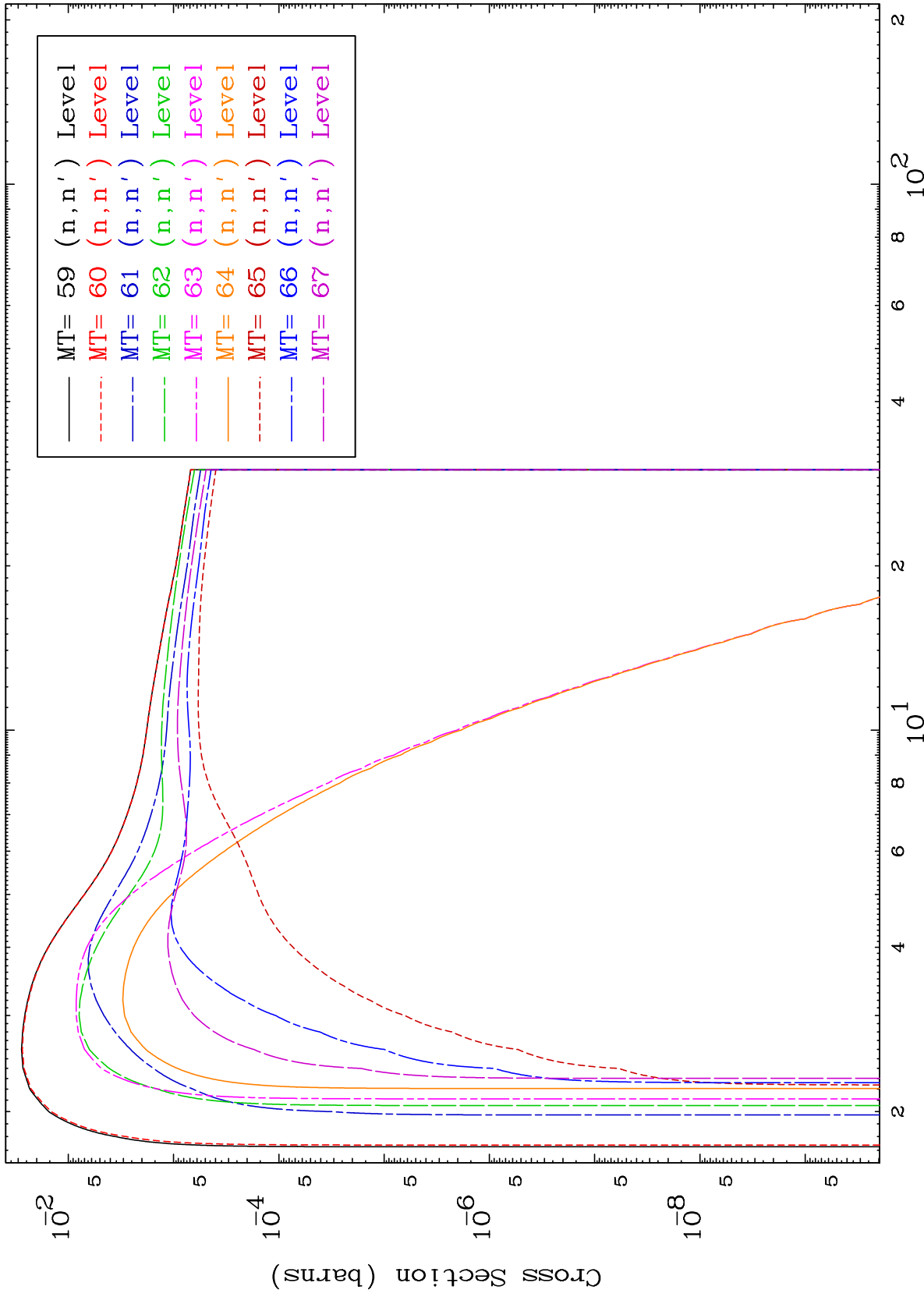


MAT 8419

(n,n') Level

84-Po-204

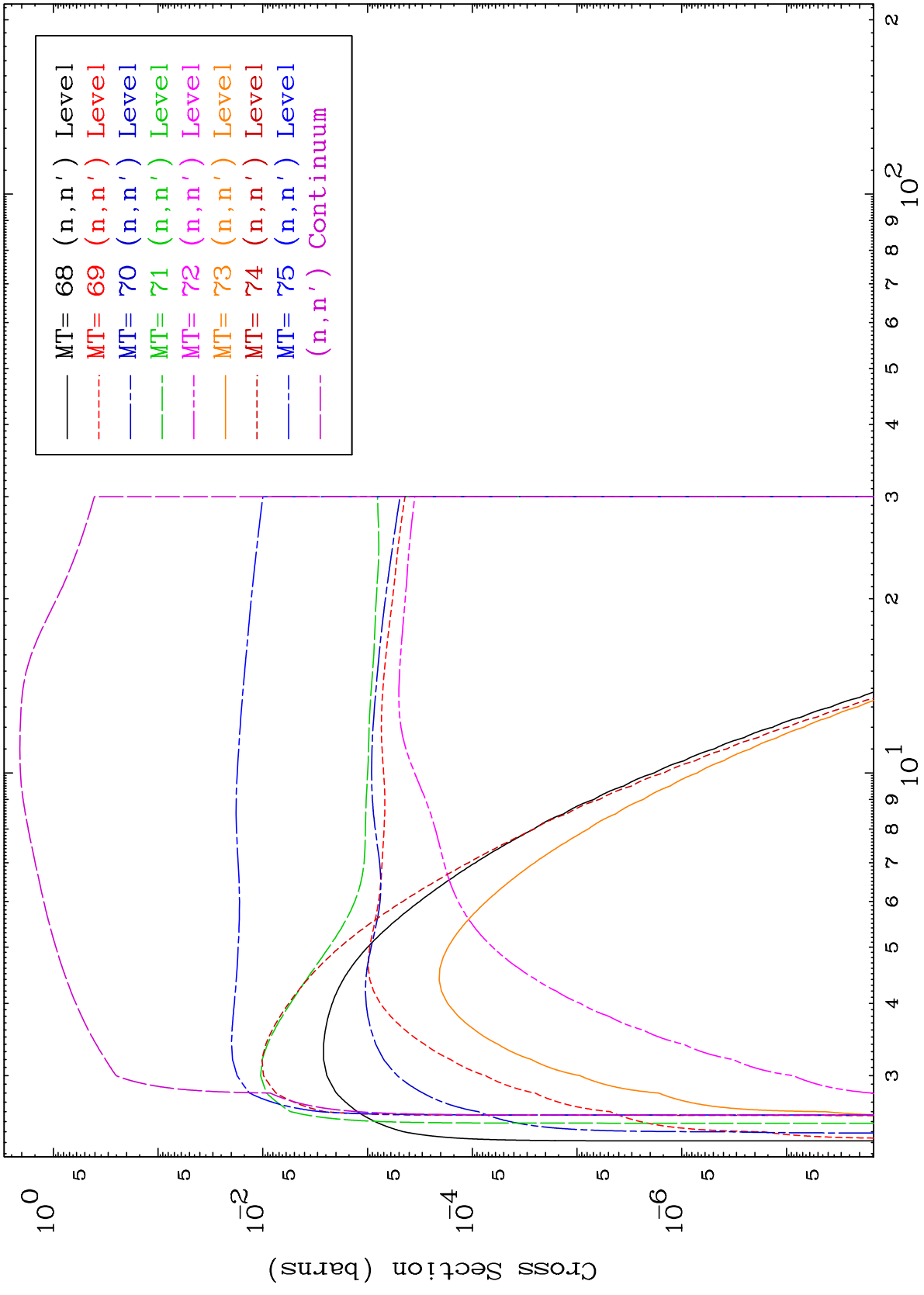
293 Kelvin Cross Sections



8

Incident Energy (MeV)

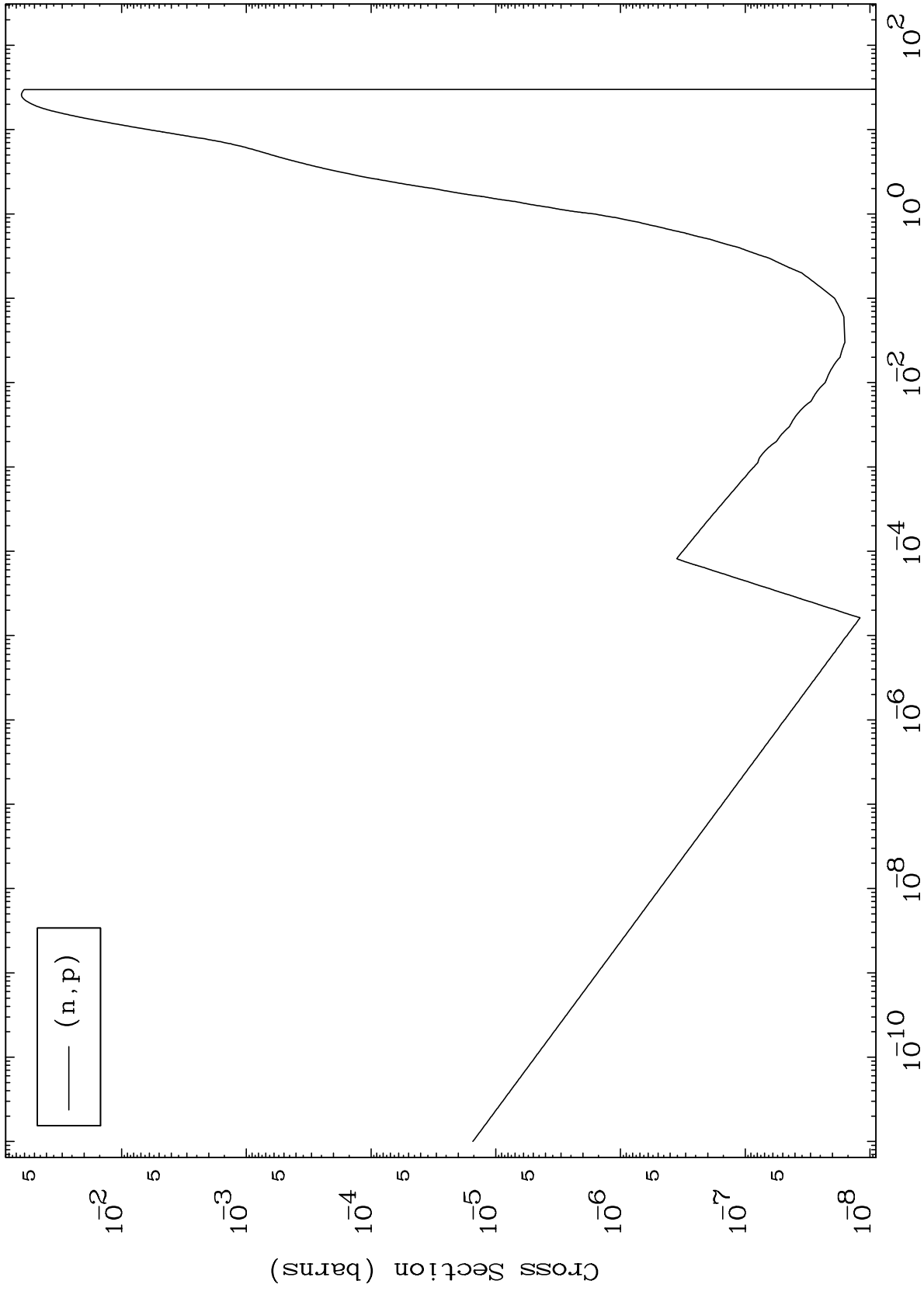
84-Po-204



MAT 8419

(n,p) Levels  
293 Kelvin Cross Sections

84-Po-204



10

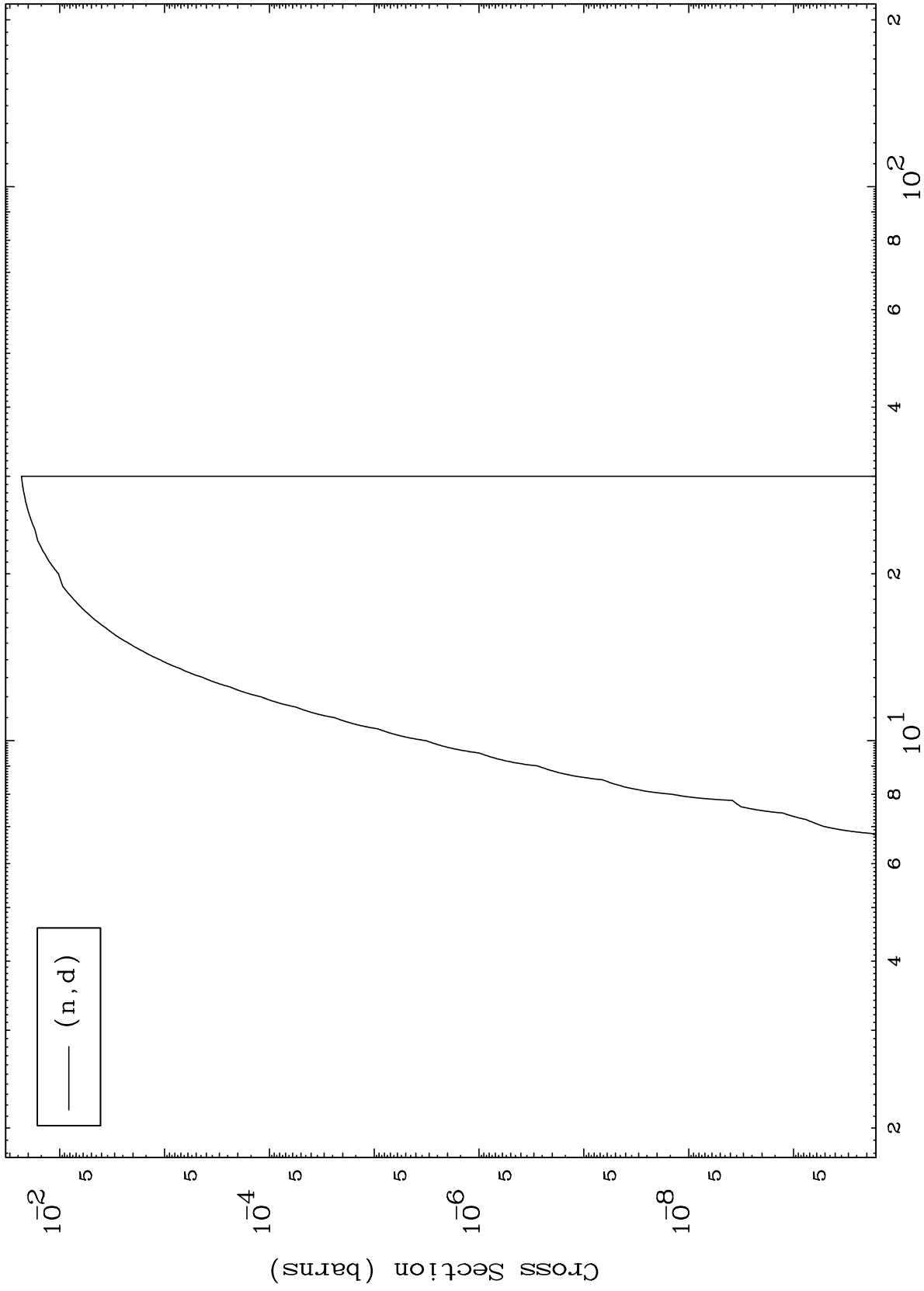
Incident Energy (MeV)

84-Po-204

MAT 8419

(n,d) Levels  
293 Kelvin Cross Sections

84-Po-204



11

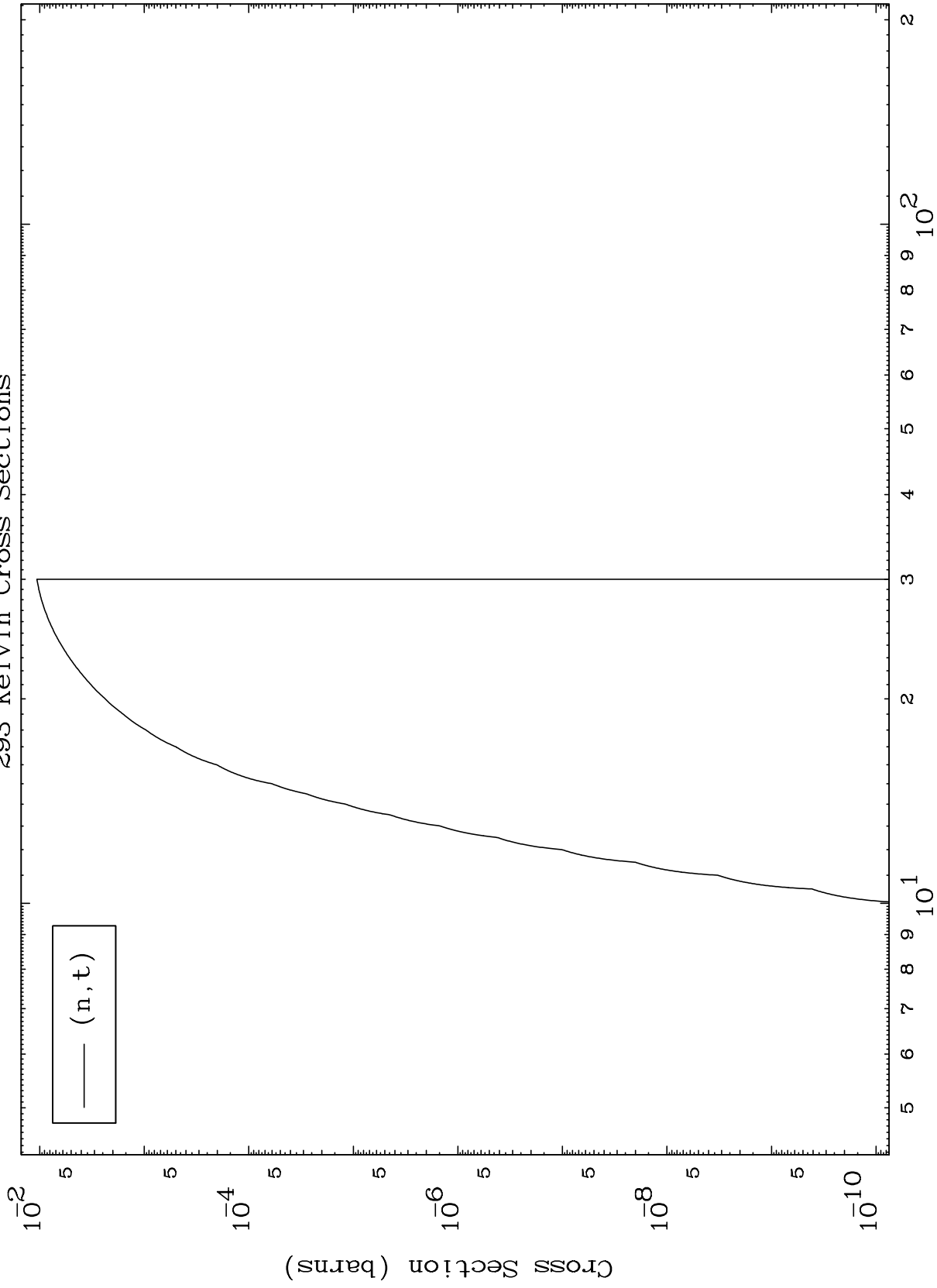
Incident Energy (MeV)

84-Po-204

MAT 8419

84-Po-204

(n,t) Levels  
293 Kelvin Cross Sections



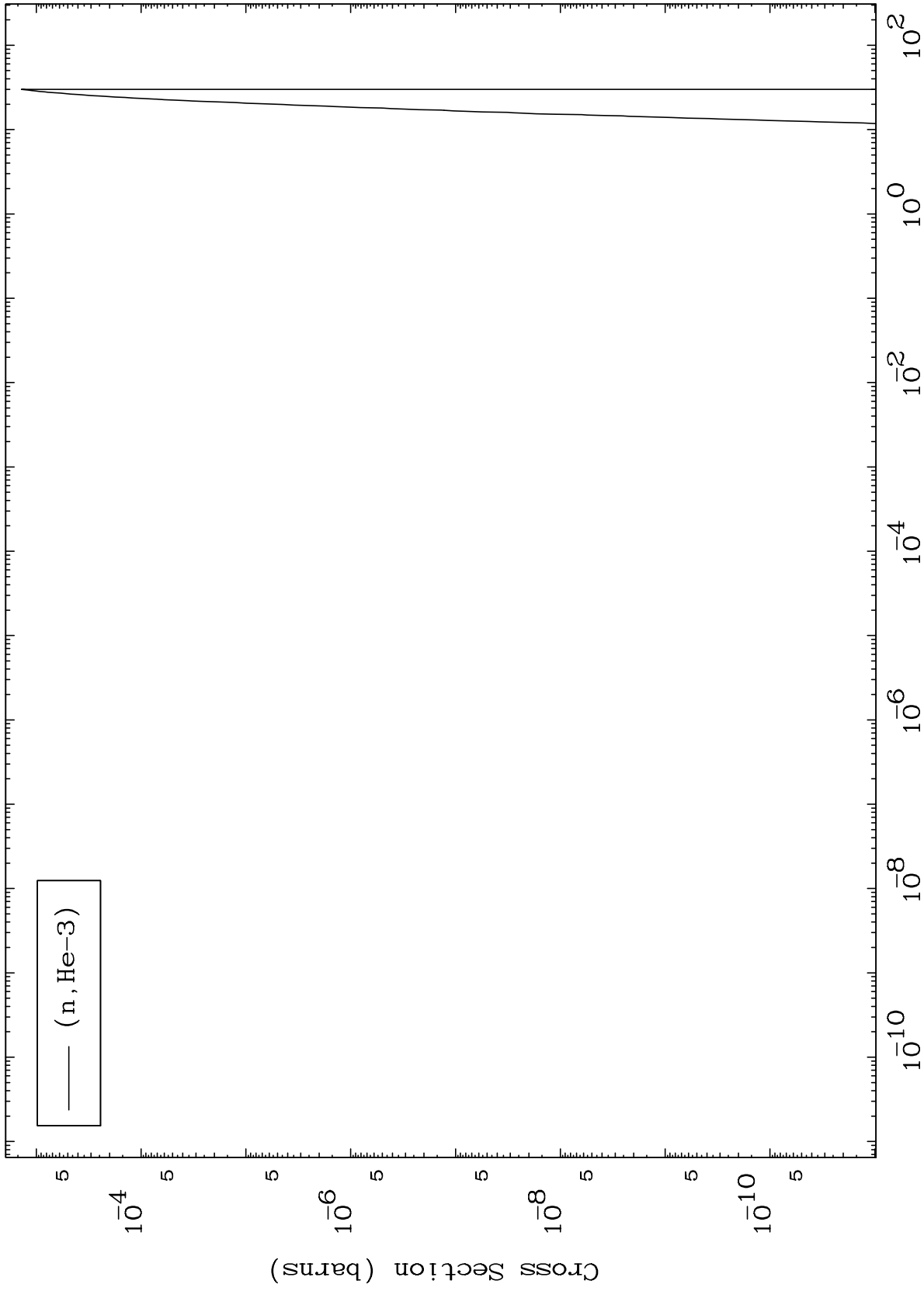
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84-Po-204

MAT 8419

(n,He3) Levels  
293 Kelvin Cross Sections

84-Po-204



13

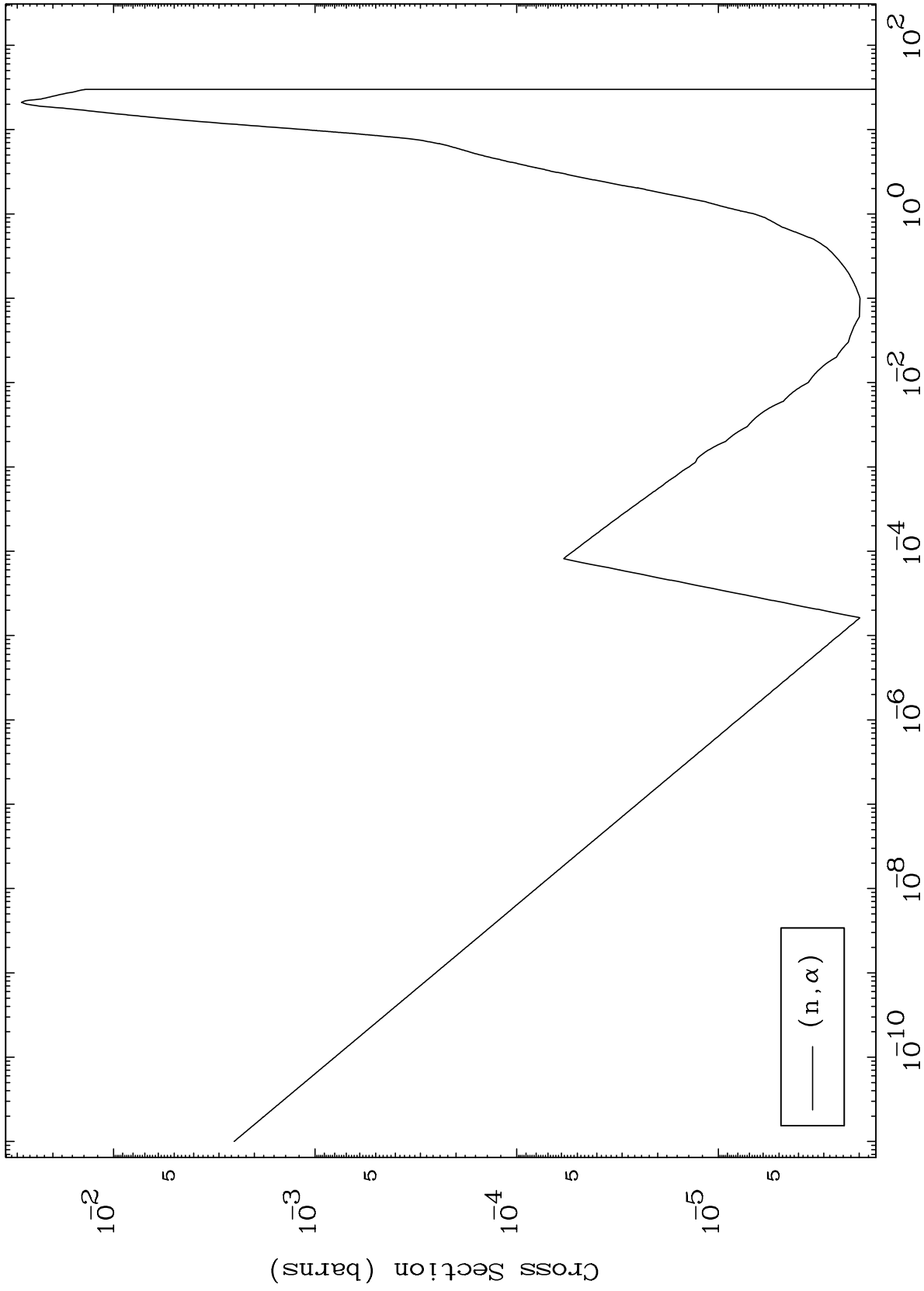
Incident Energy (MeV)

84-Po-204

MAT 8419

(n,α) Levels  
293 Kelvin Cross Sections

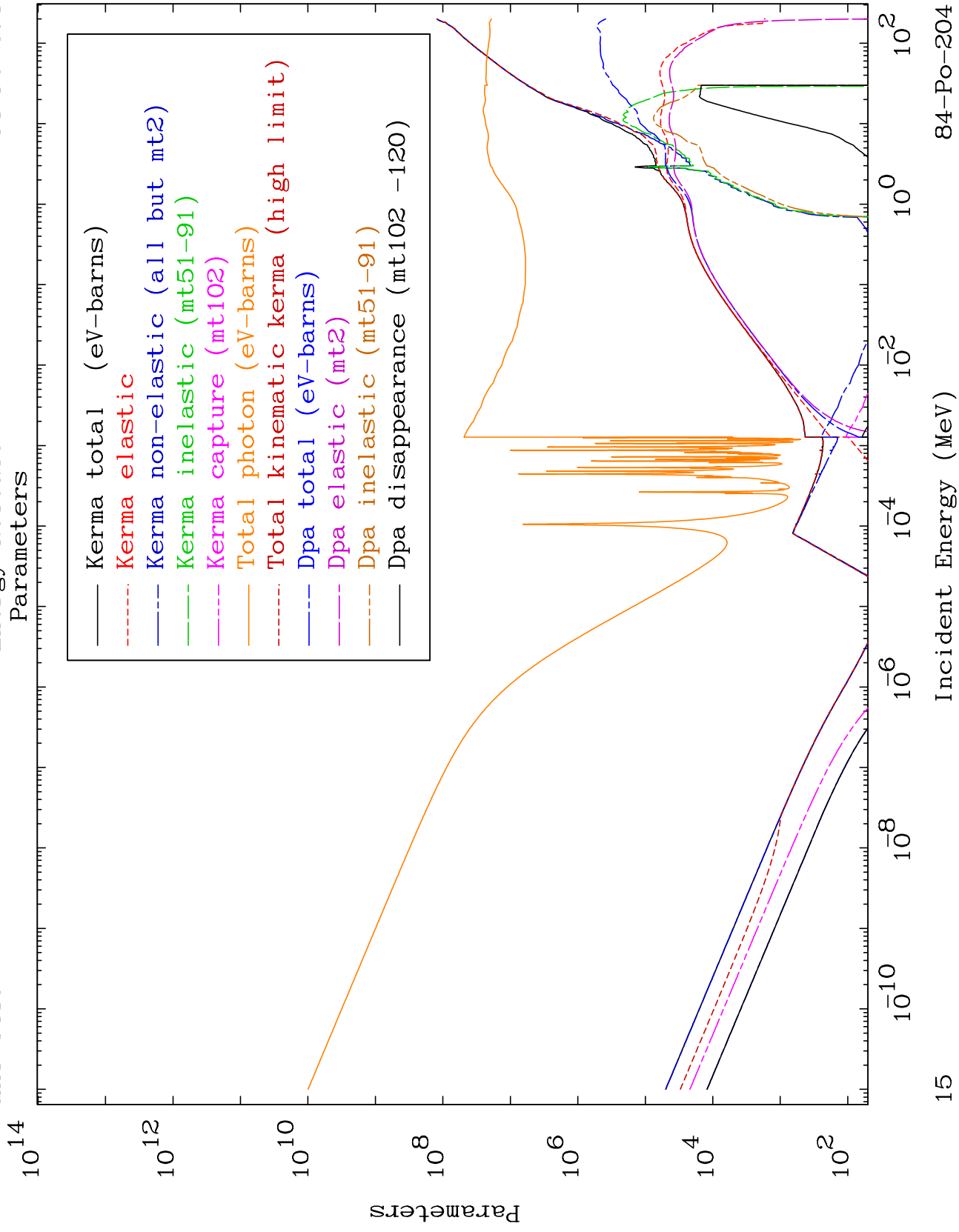
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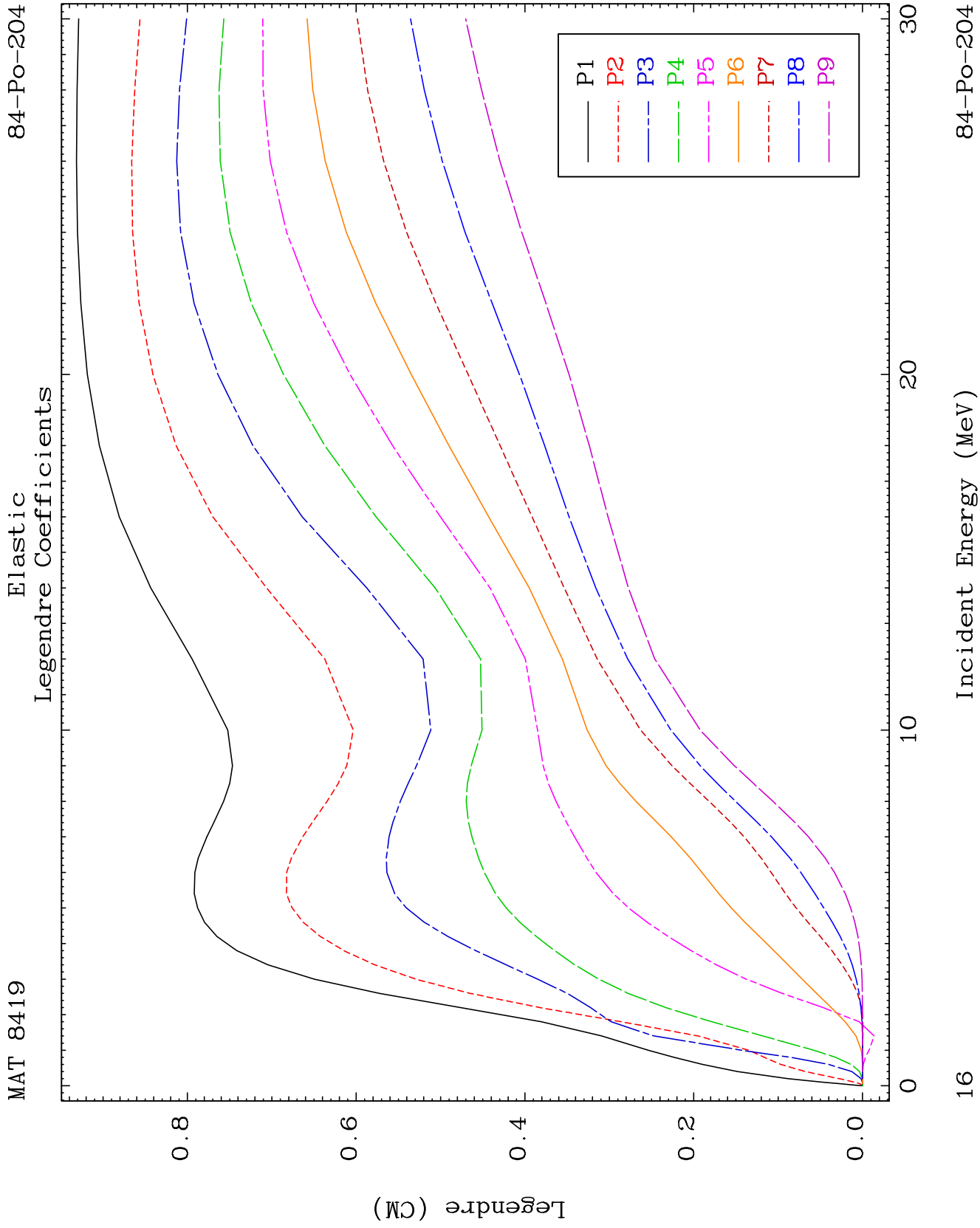
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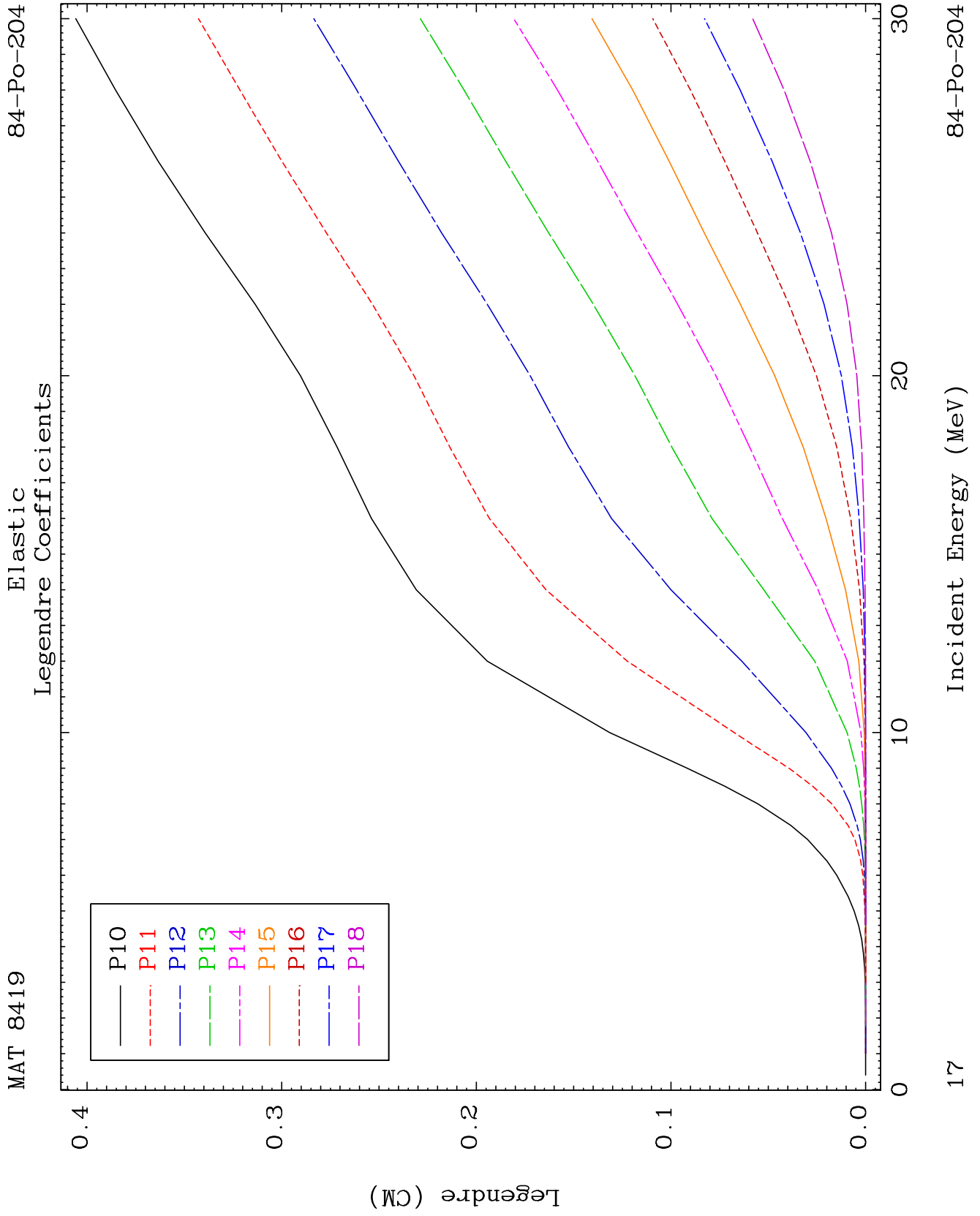
Incident Energy (MeV)

84-Po-204





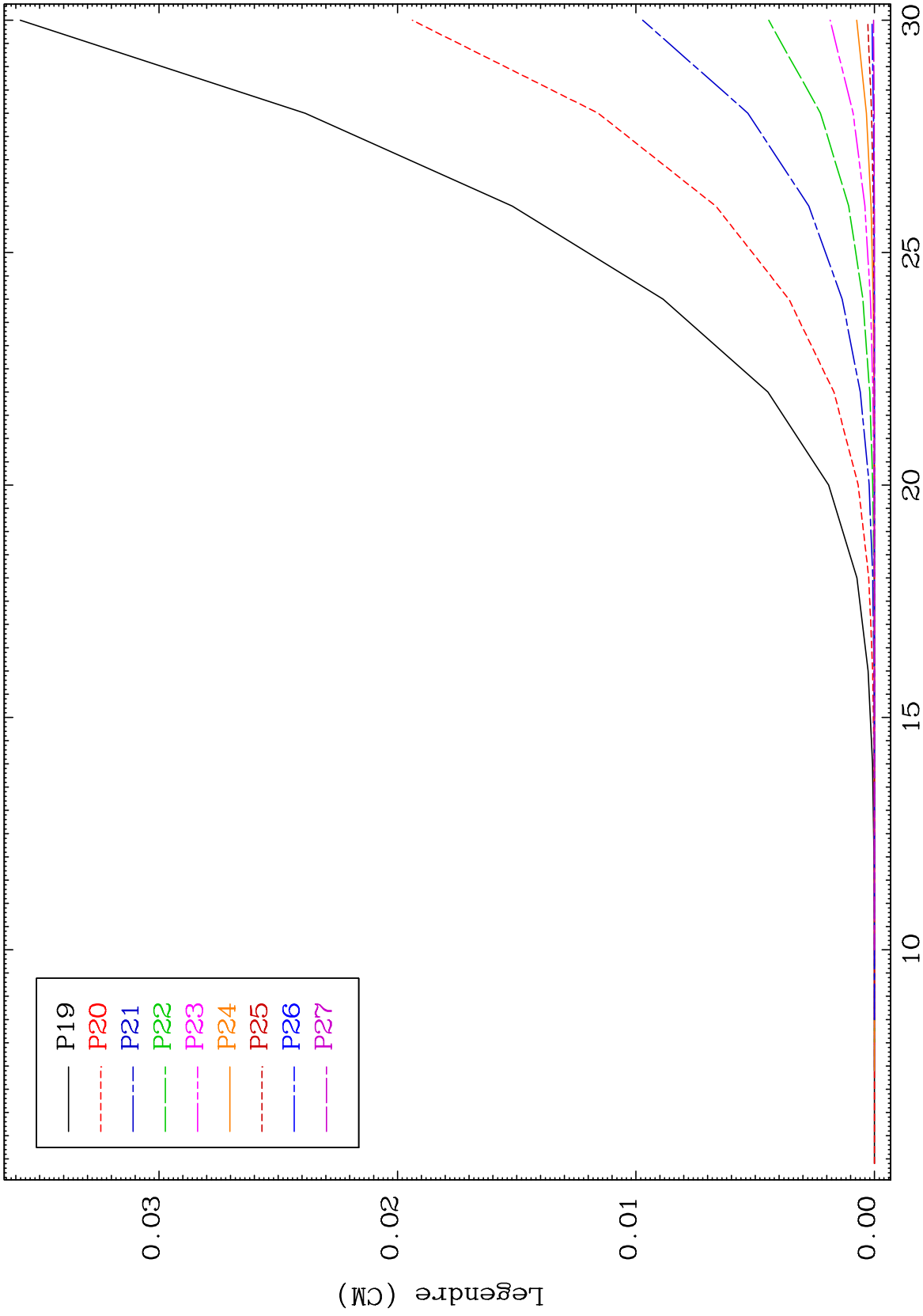




MAT 8419

Elastic Legendre Coefficients

84-Po-204



18

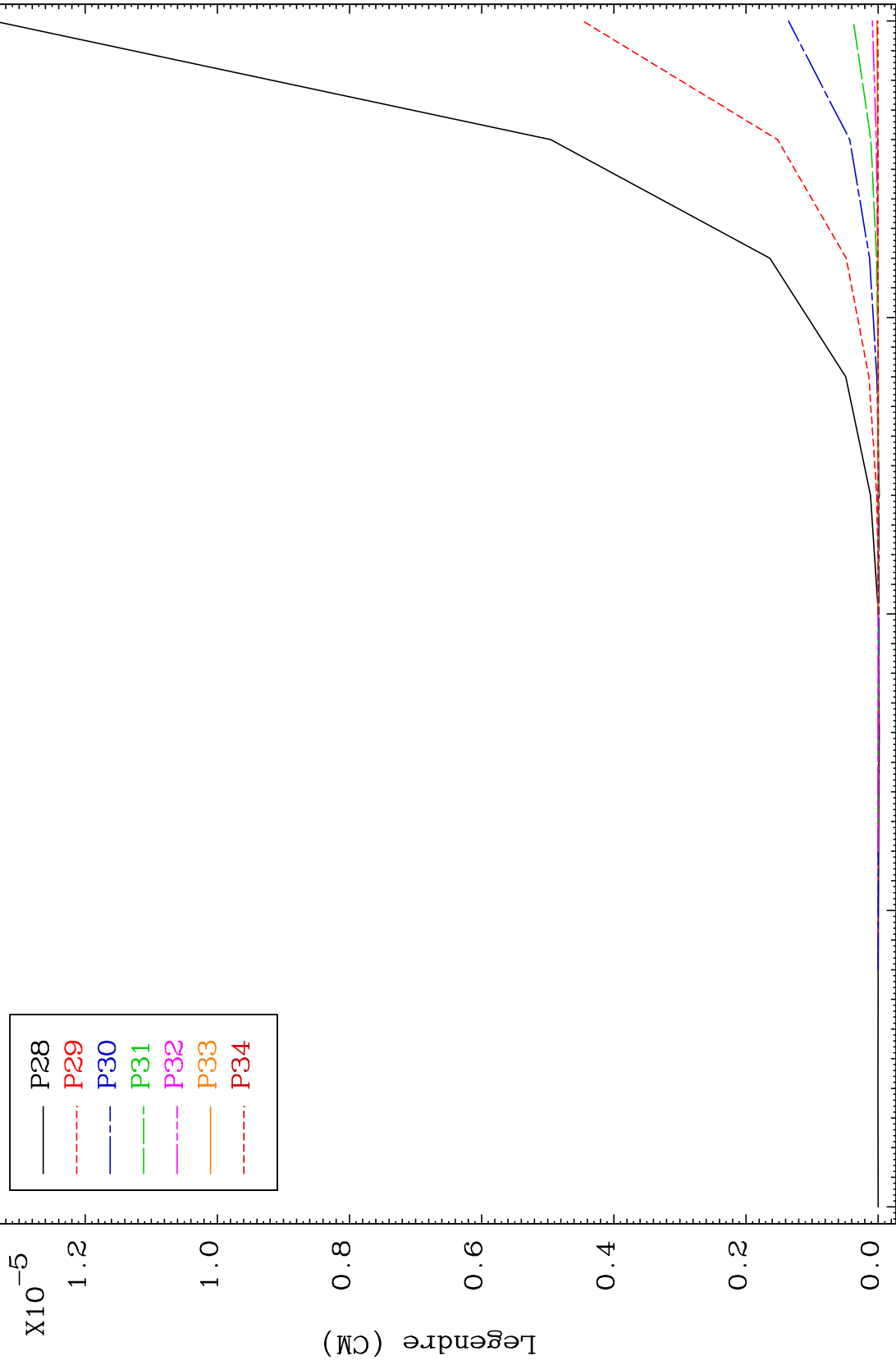
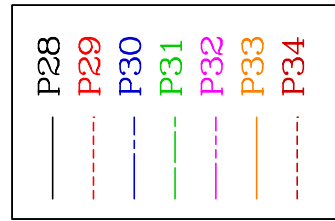
Incident Energy (MeV)

84-Po-204

MAT 8419

Elastic Legendre Coefficients

84-Po-204



19

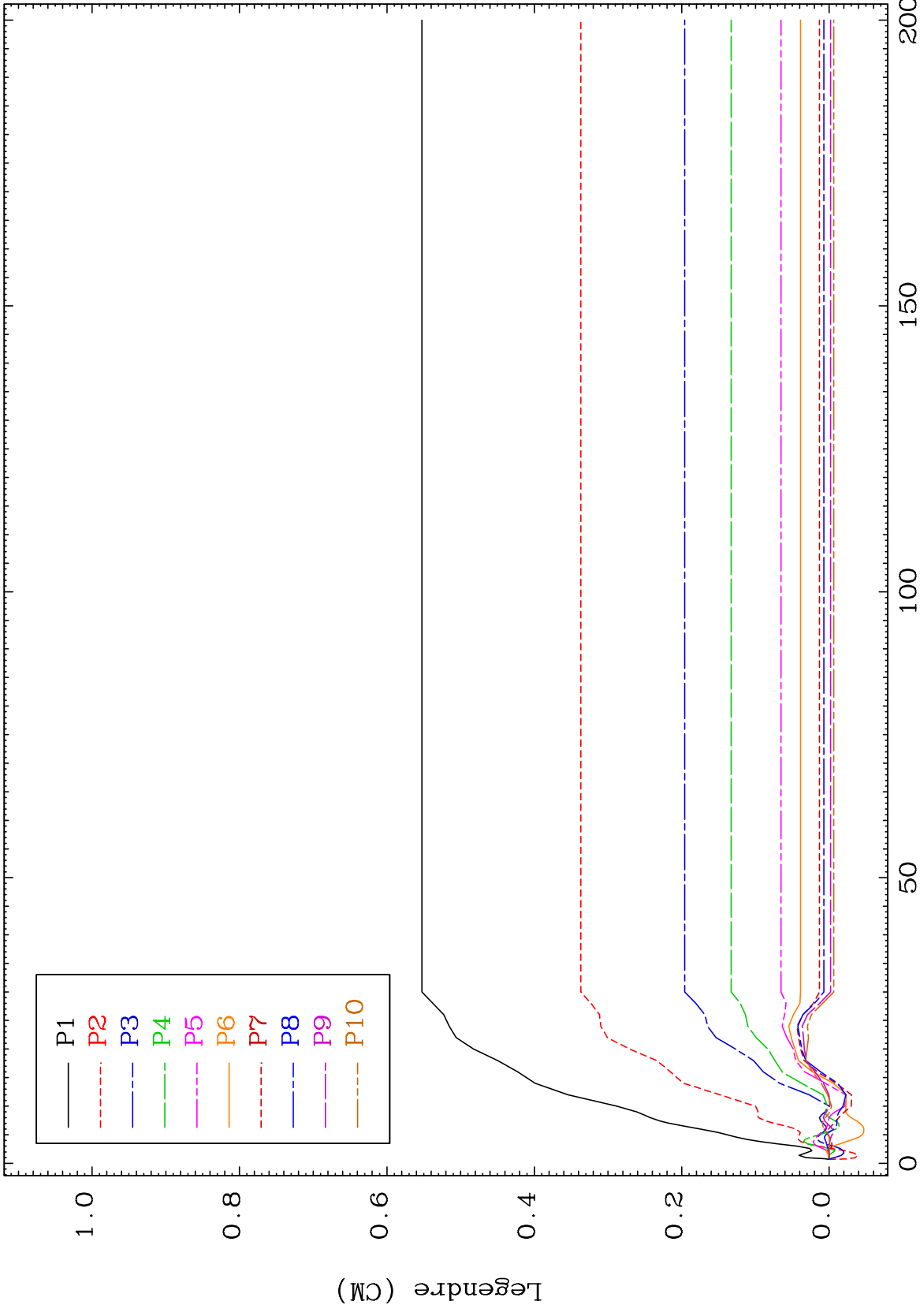
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



84-Po-204

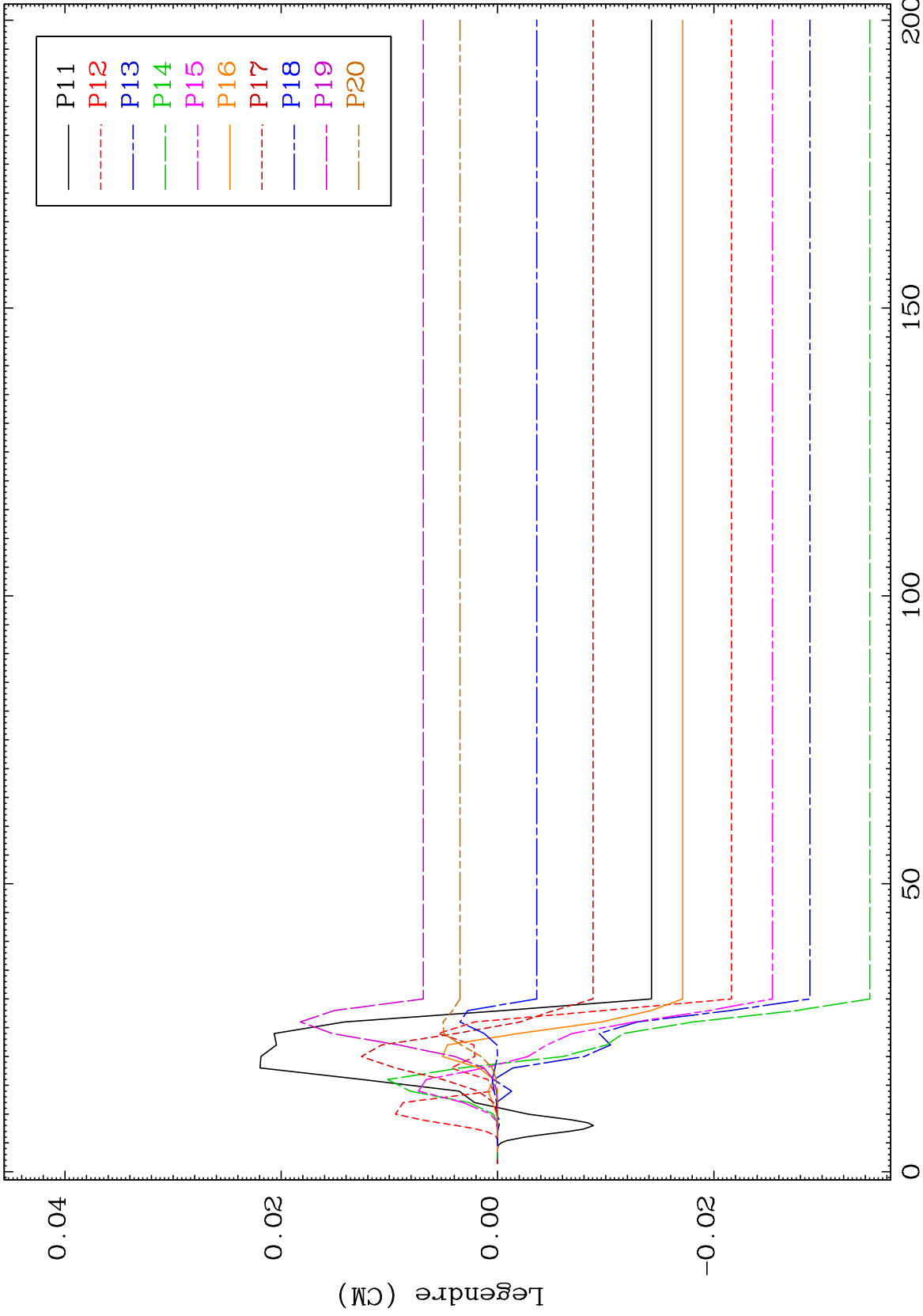
Incident Energy (MeV)

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MAT 8419

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

84-Po-204



21

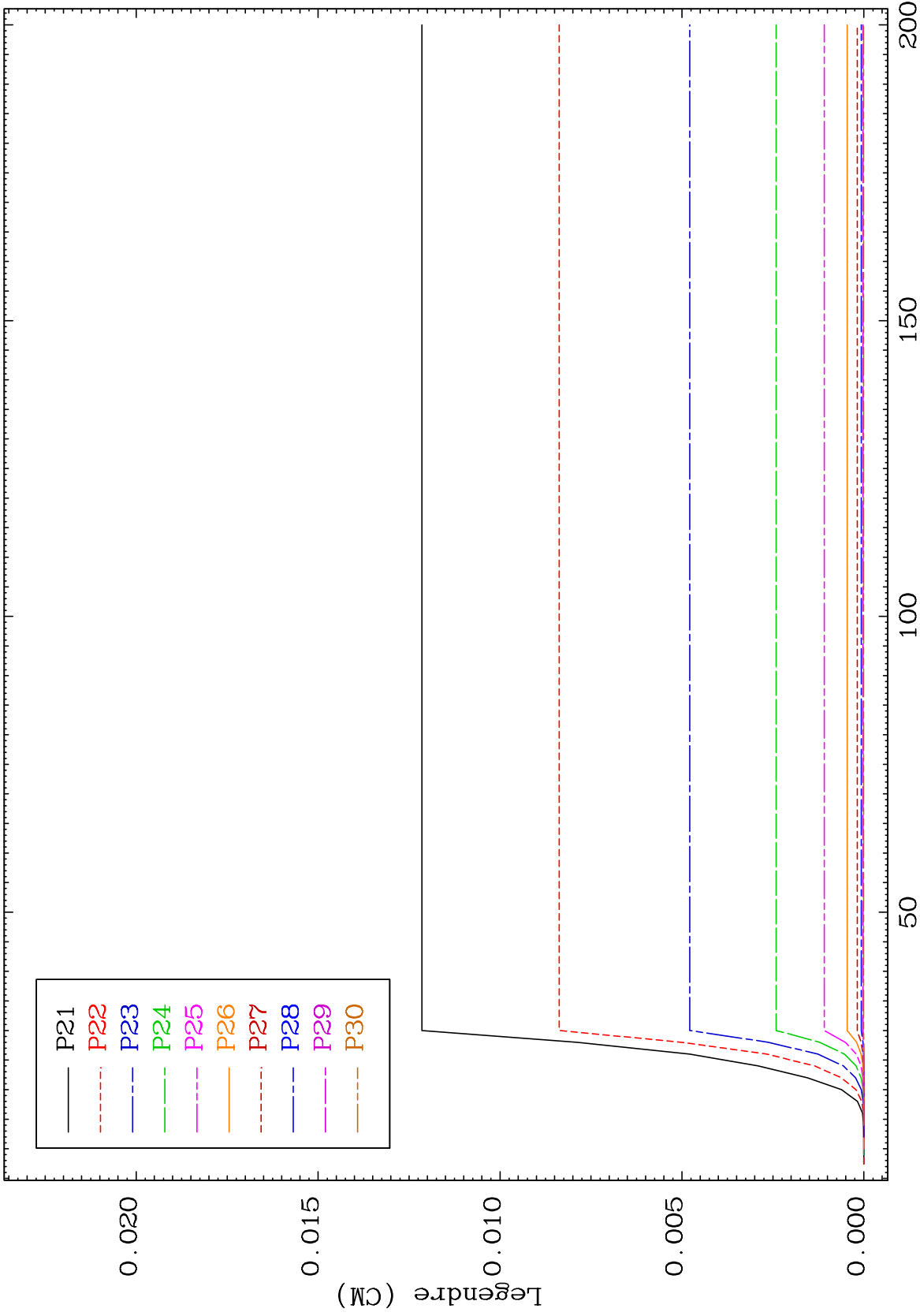
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



22

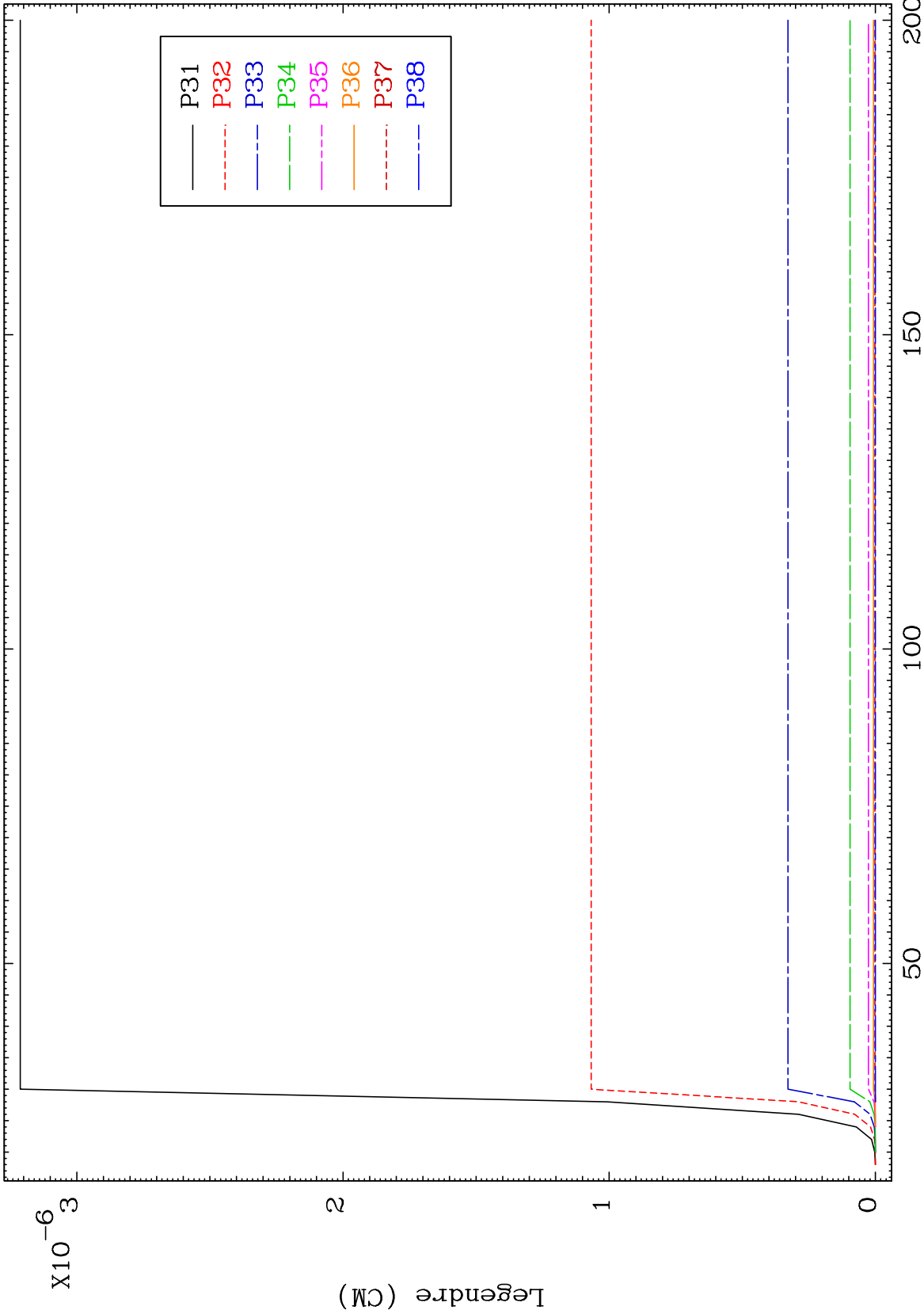
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



23

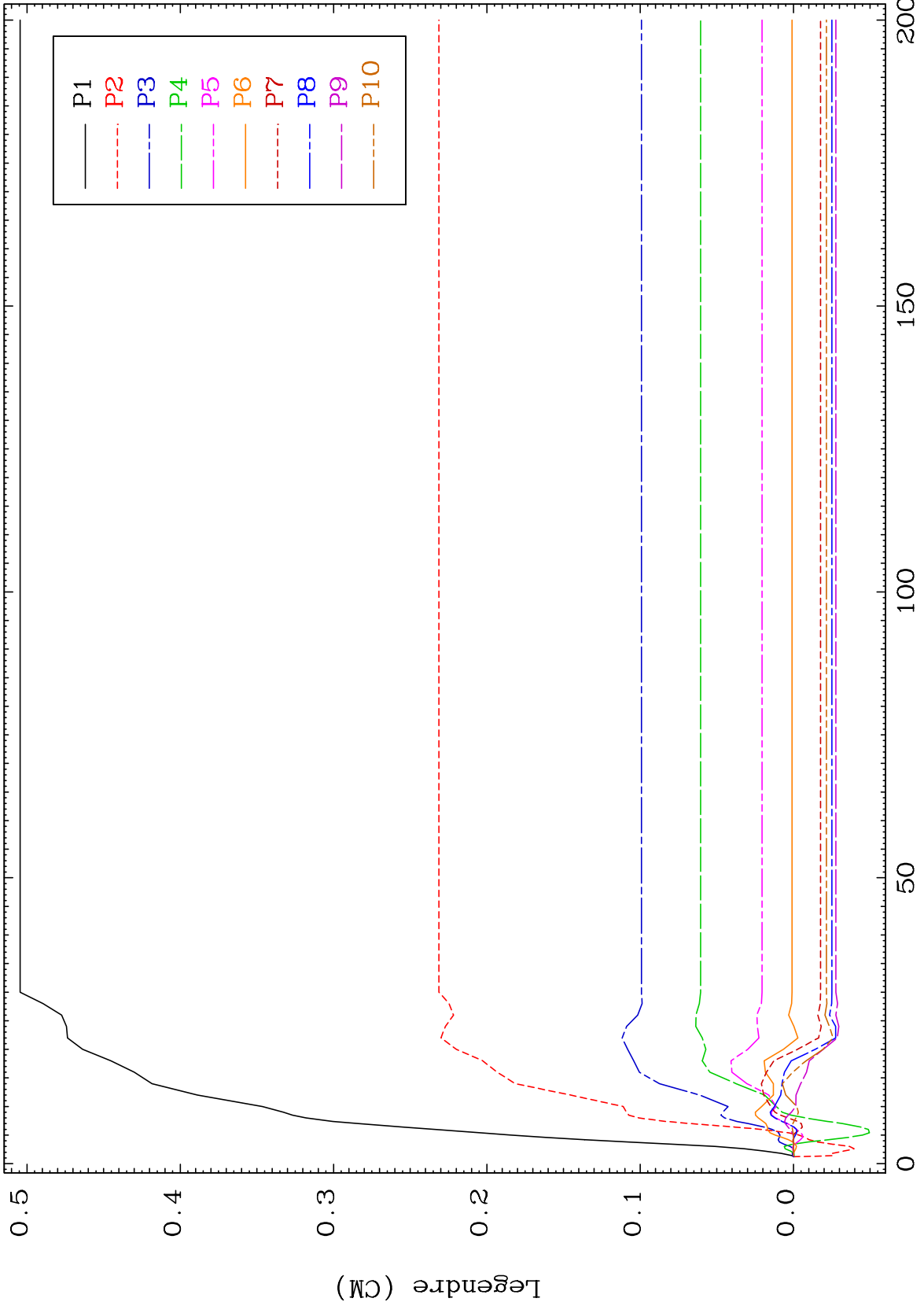
84-Po-204



MAT 8419

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

84-Po-204



24

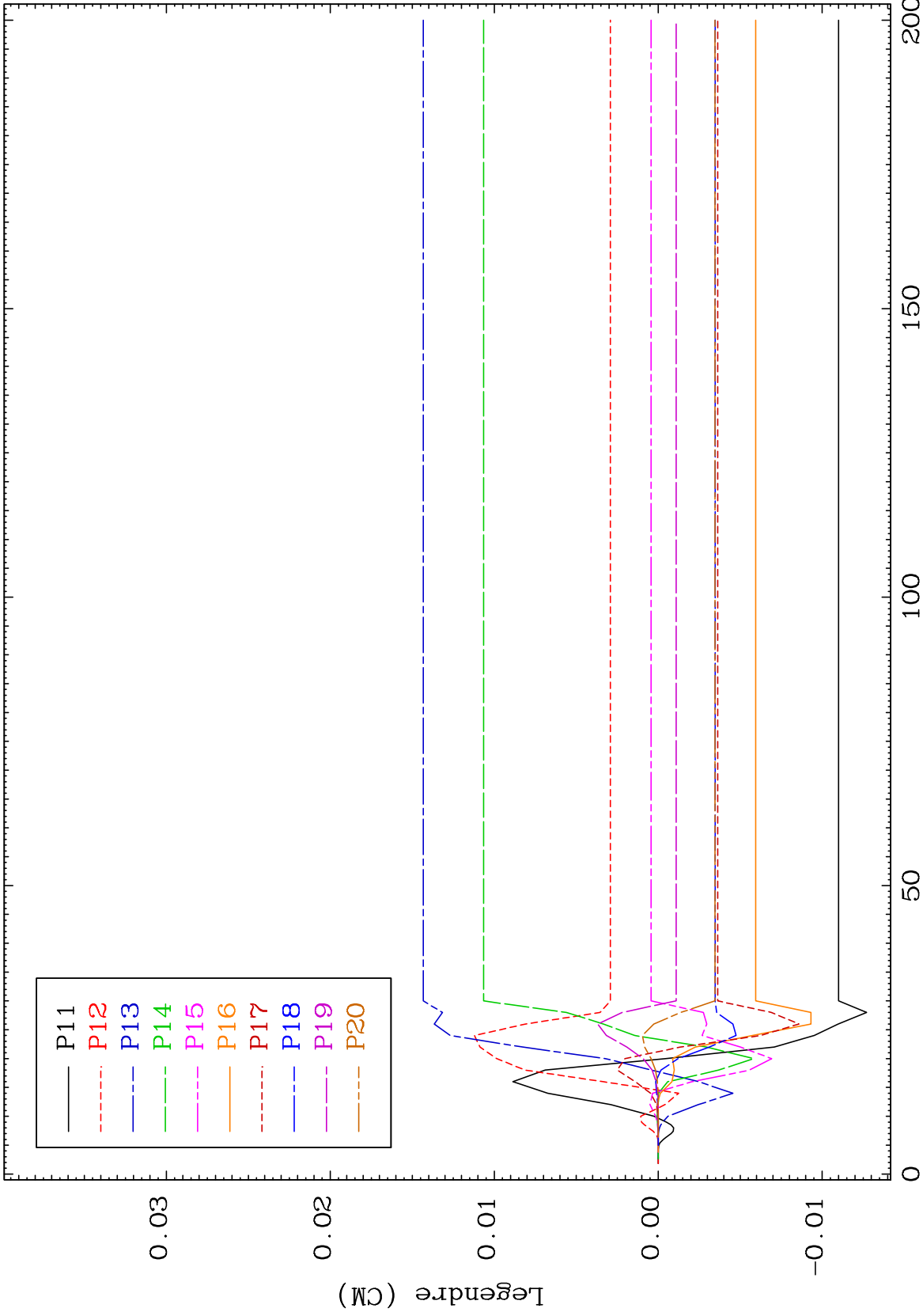
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



25

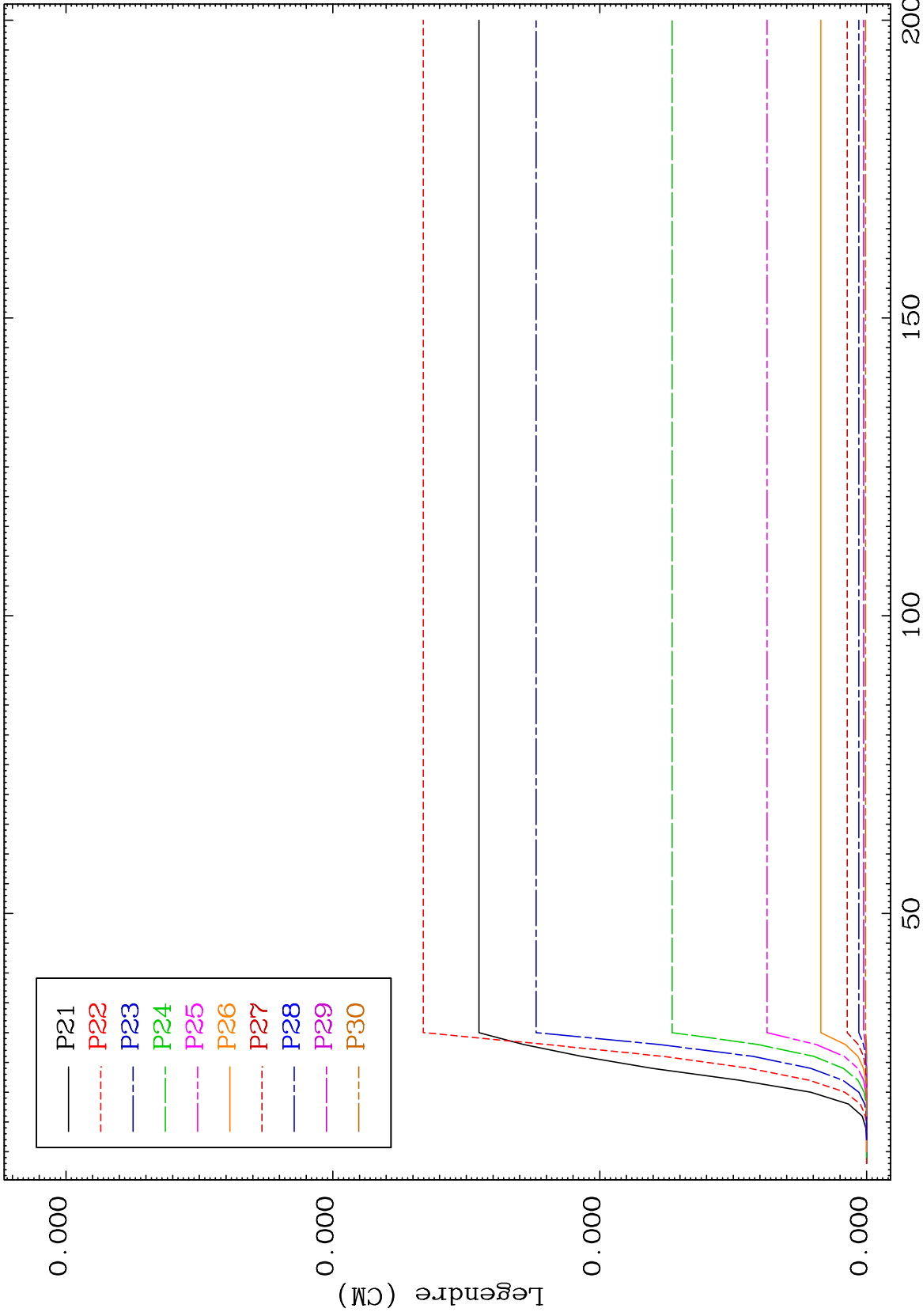
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



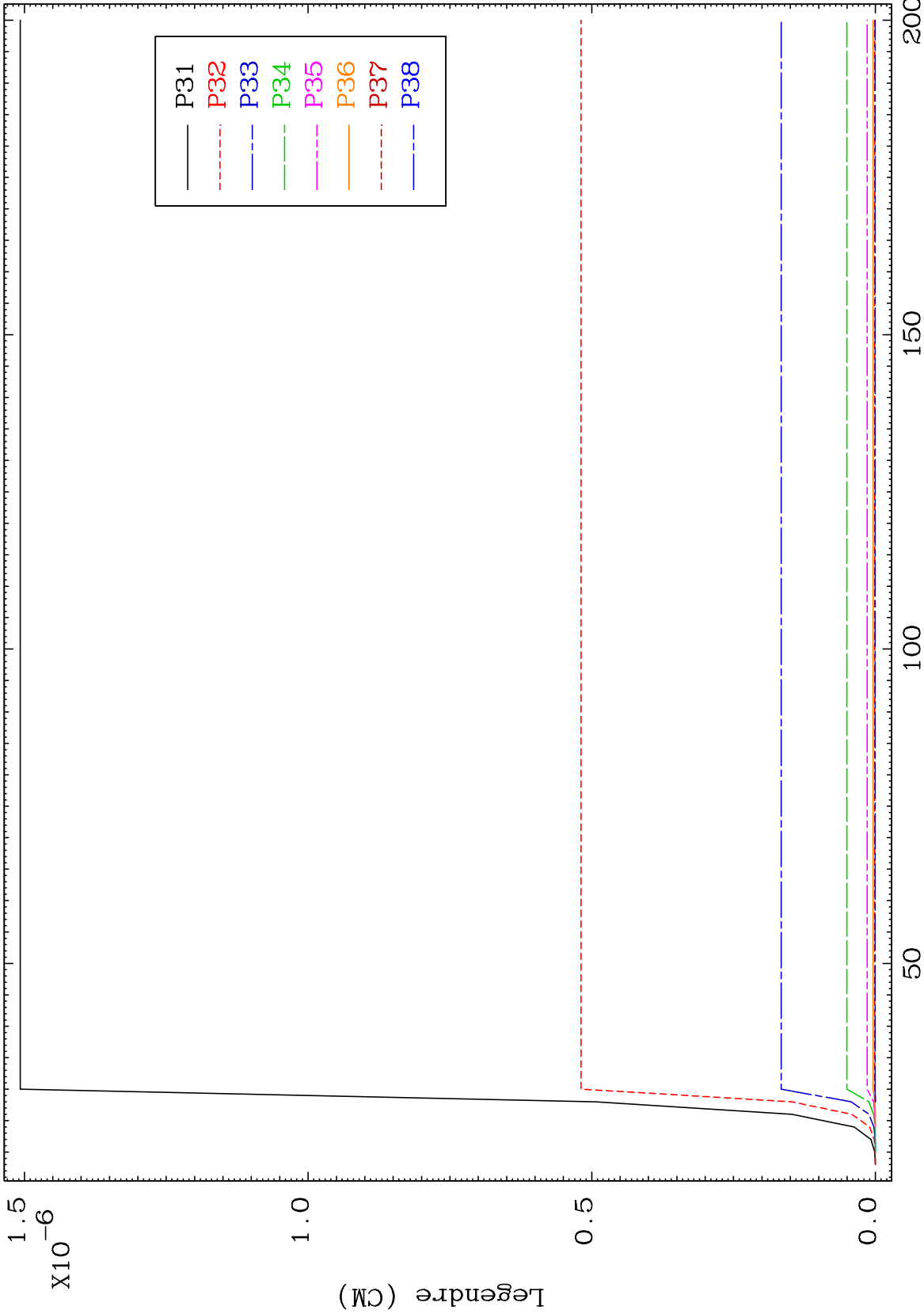
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84-Po-204

MAT 8419

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

84-Po-204



27

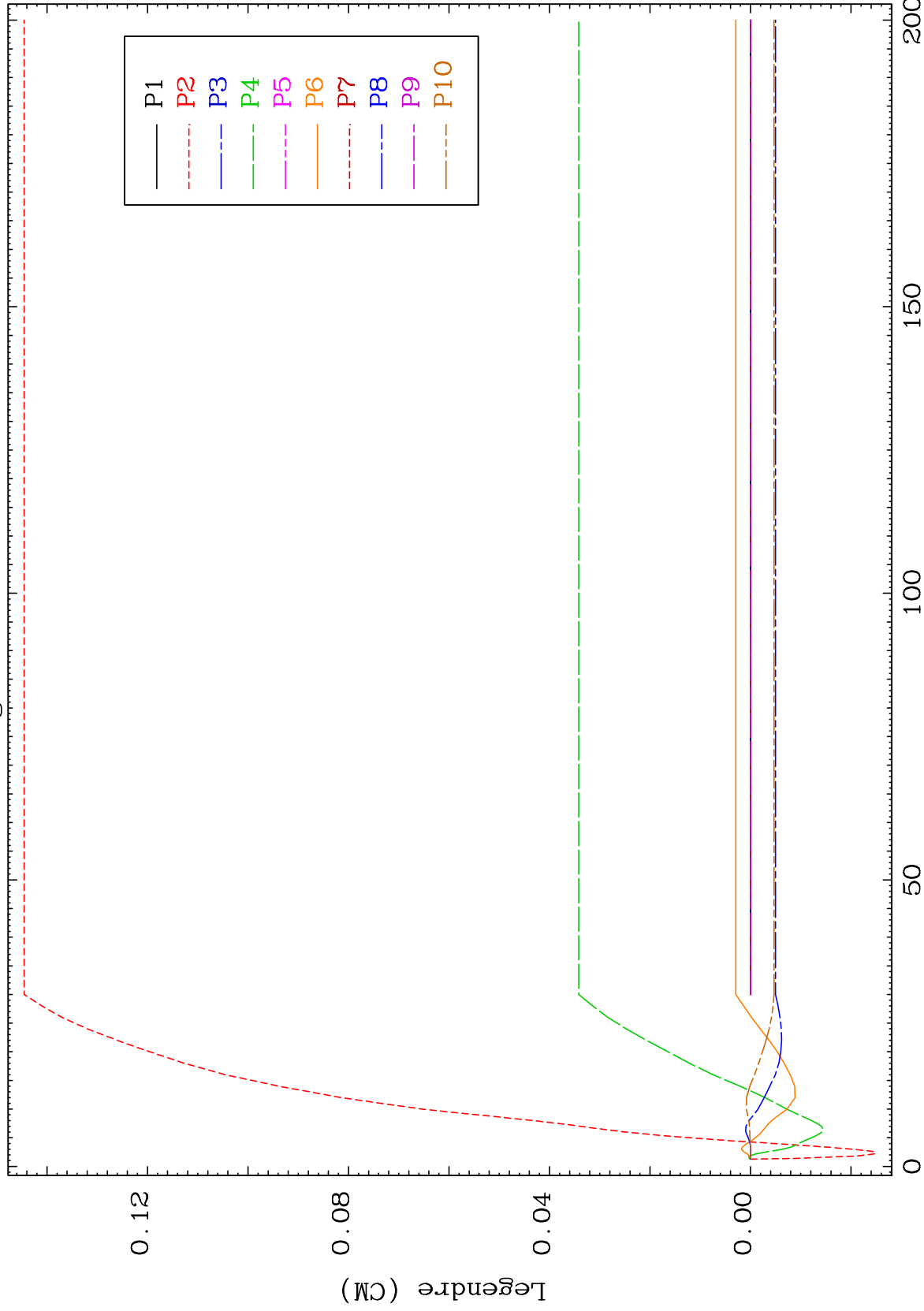
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



28

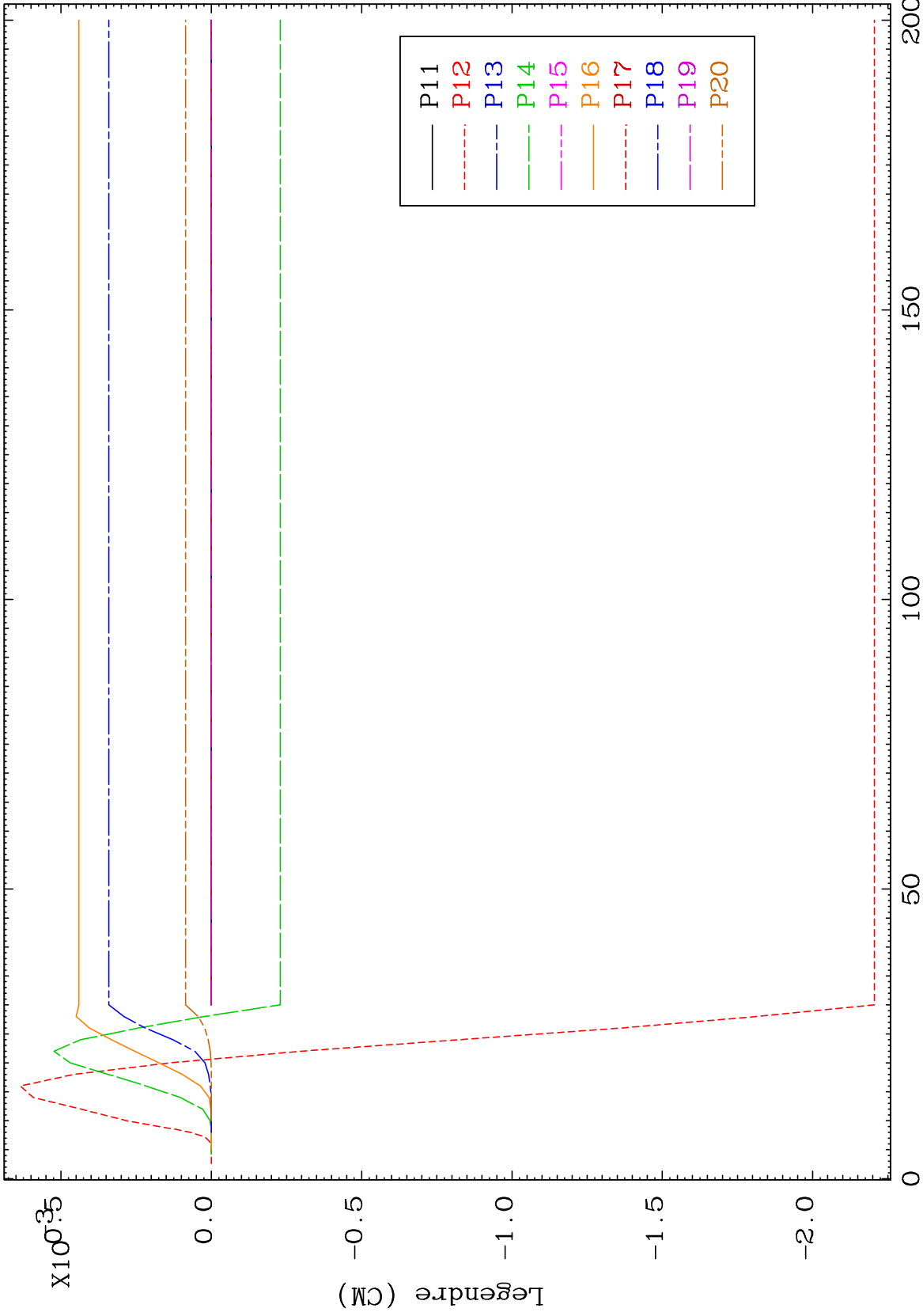
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



29

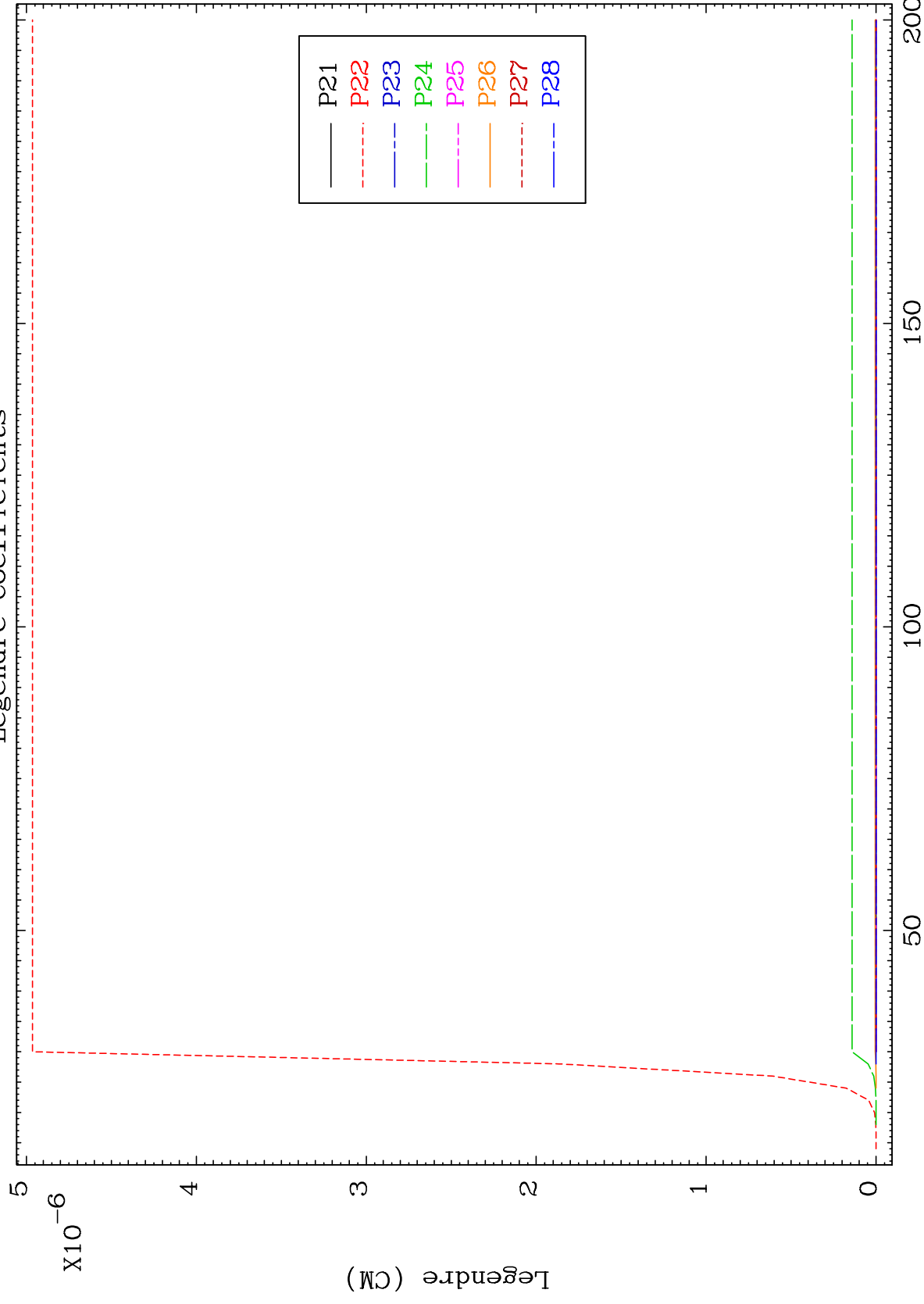
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



84-Po-204

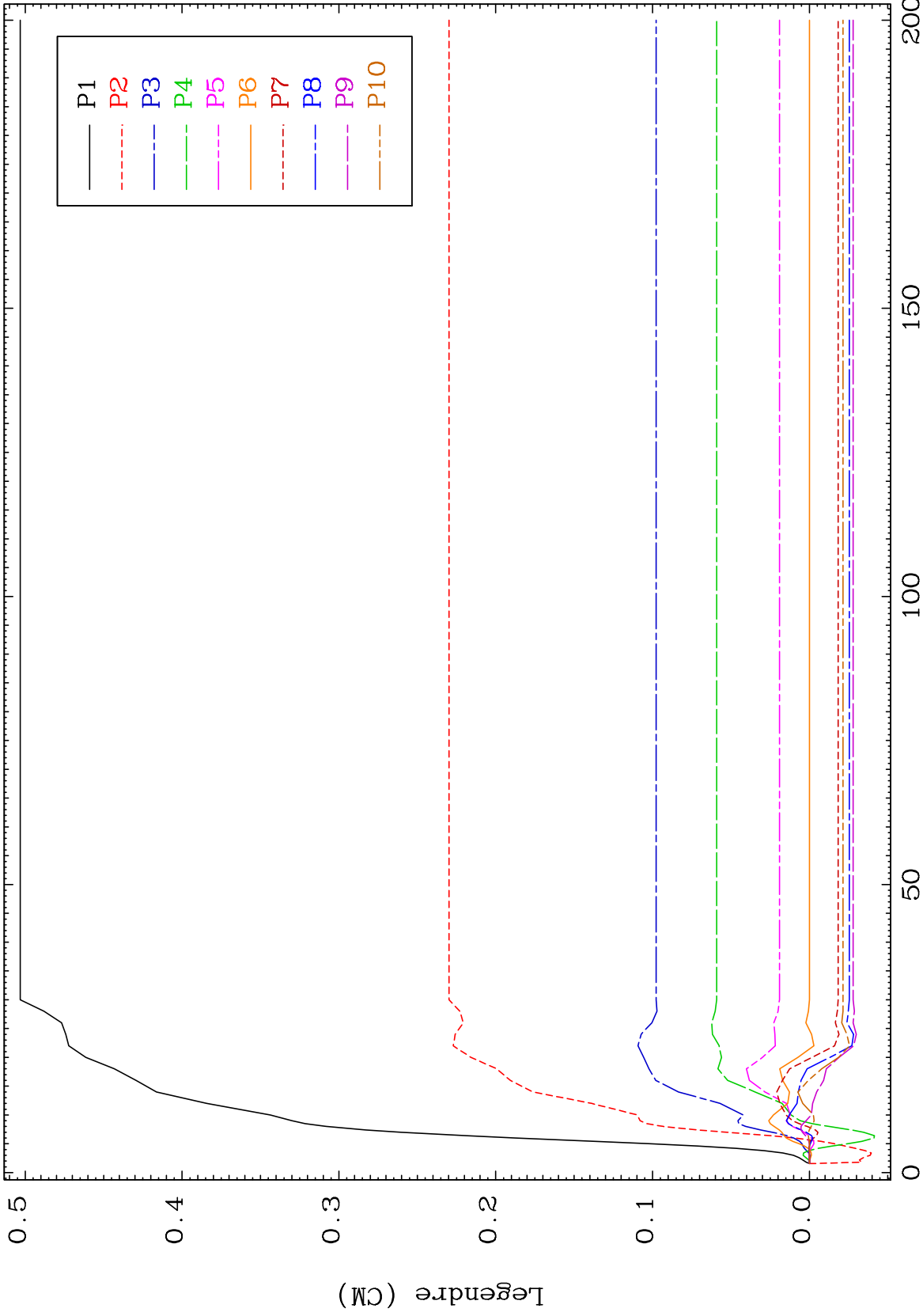
Incident Energy (MeV)

30

MAT 8419

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

84-Po-204



31

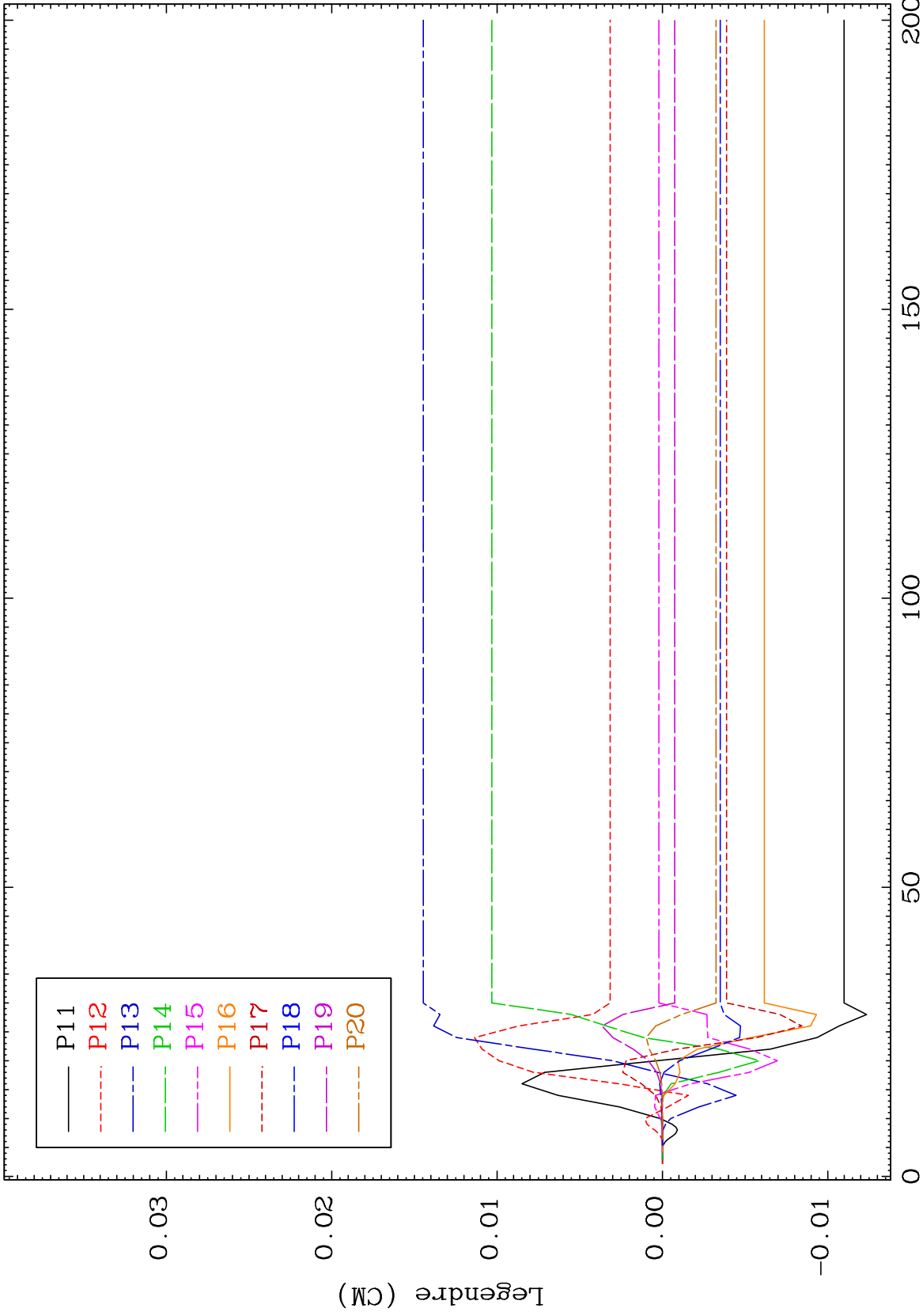
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MAT 8419

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

84-Po-204



32

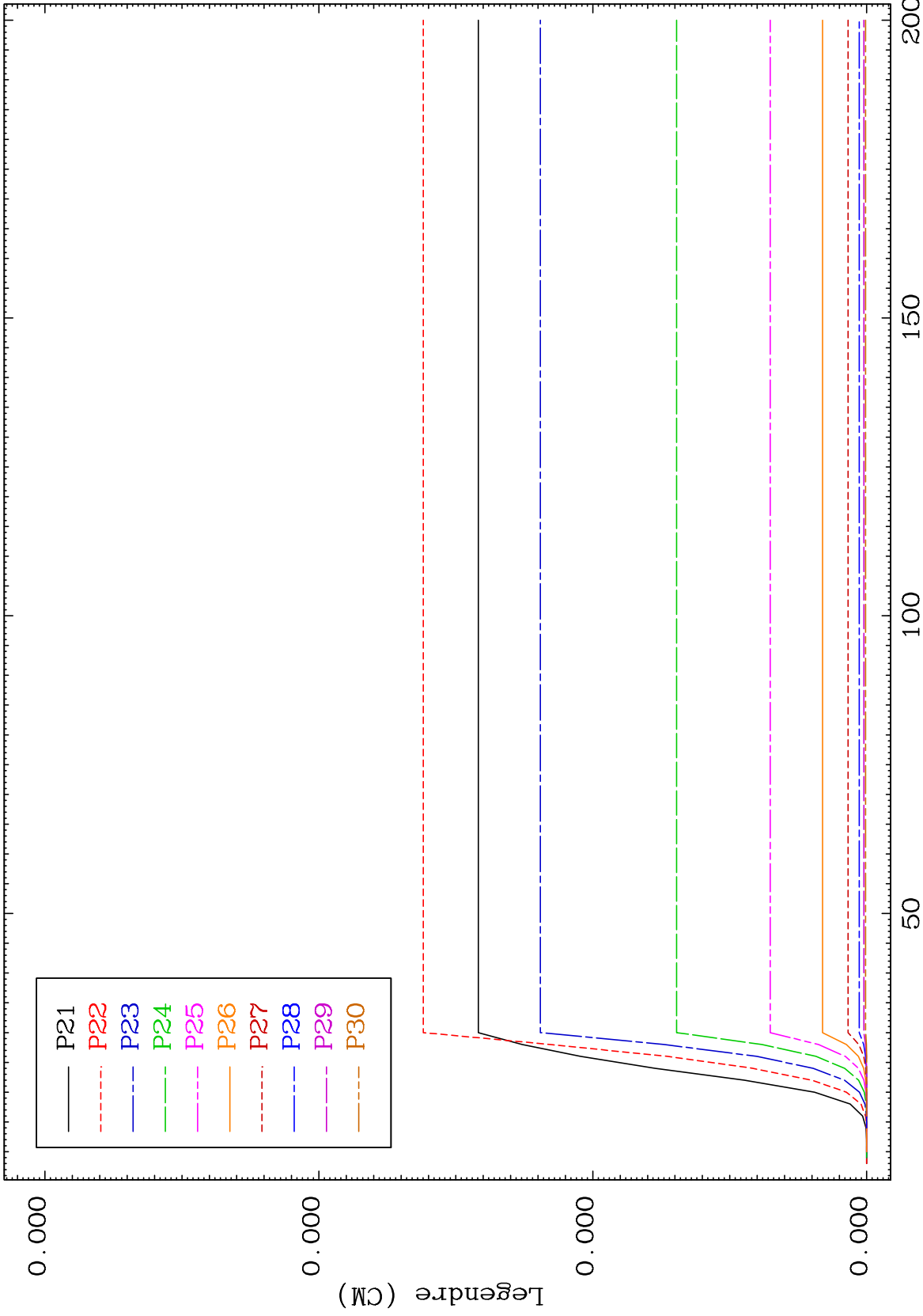
Incident Energy (MeV)

84-Po-204

MAT 8419

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

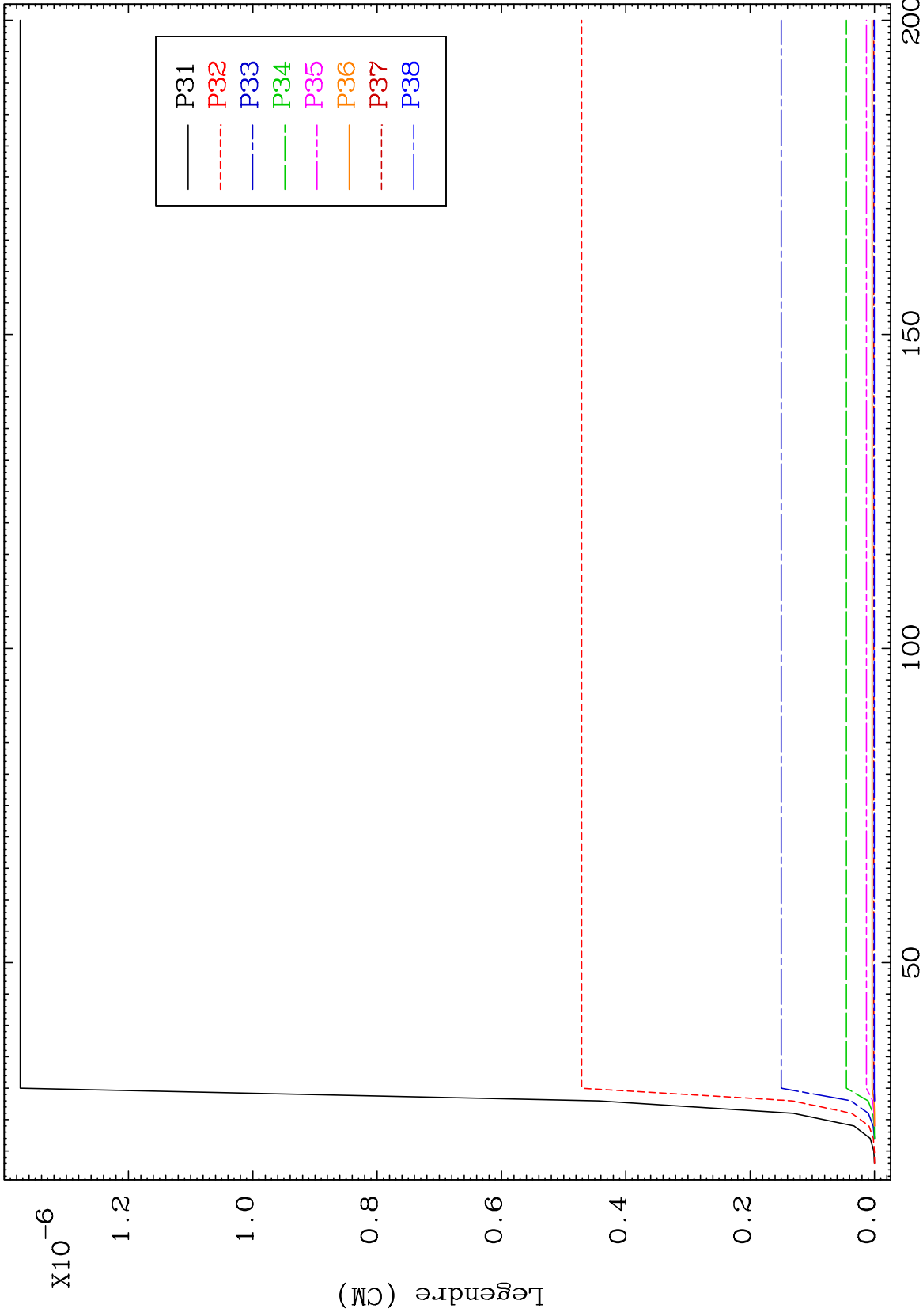
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MAT 8419

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

84-Po-204



34

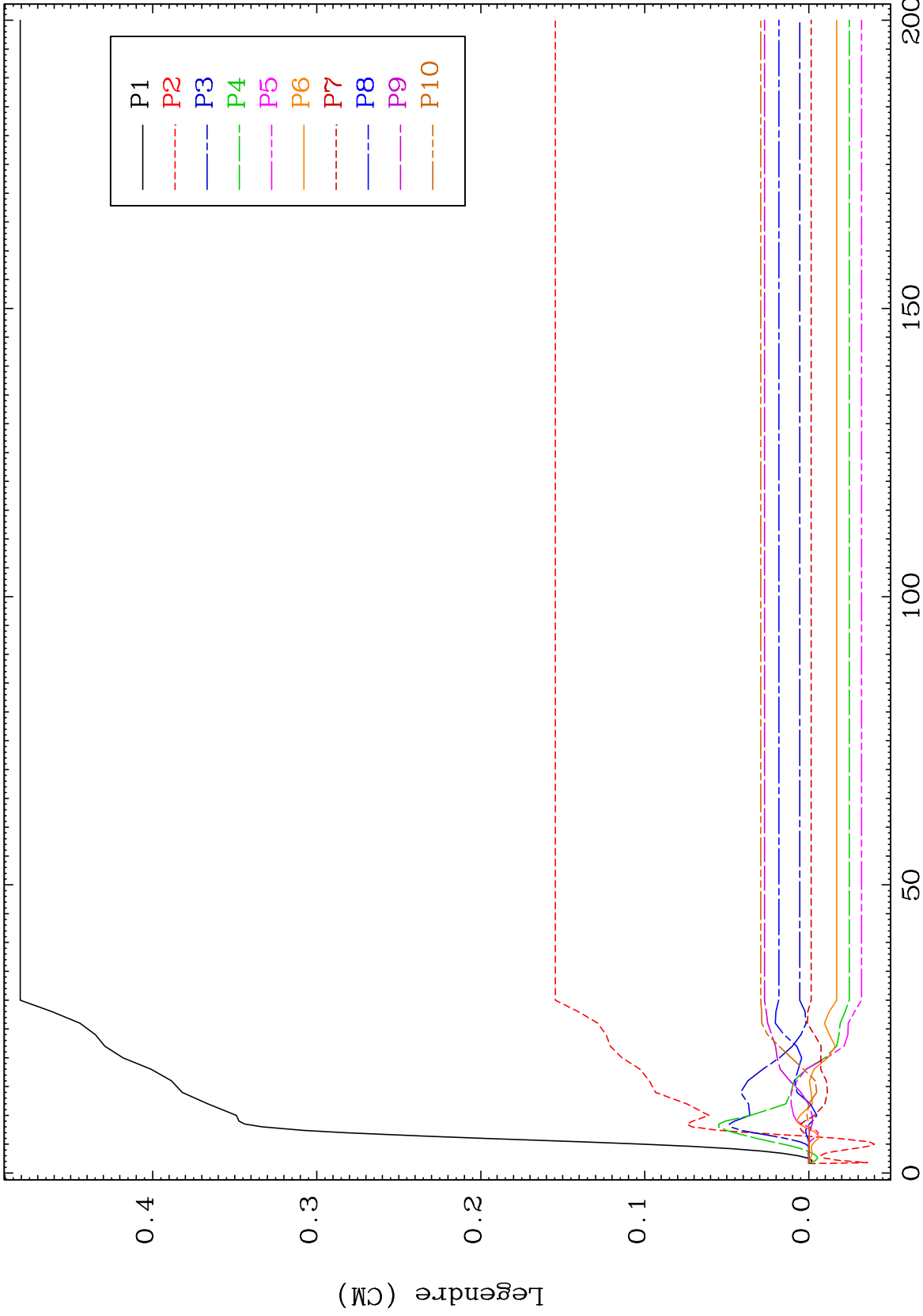
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



35

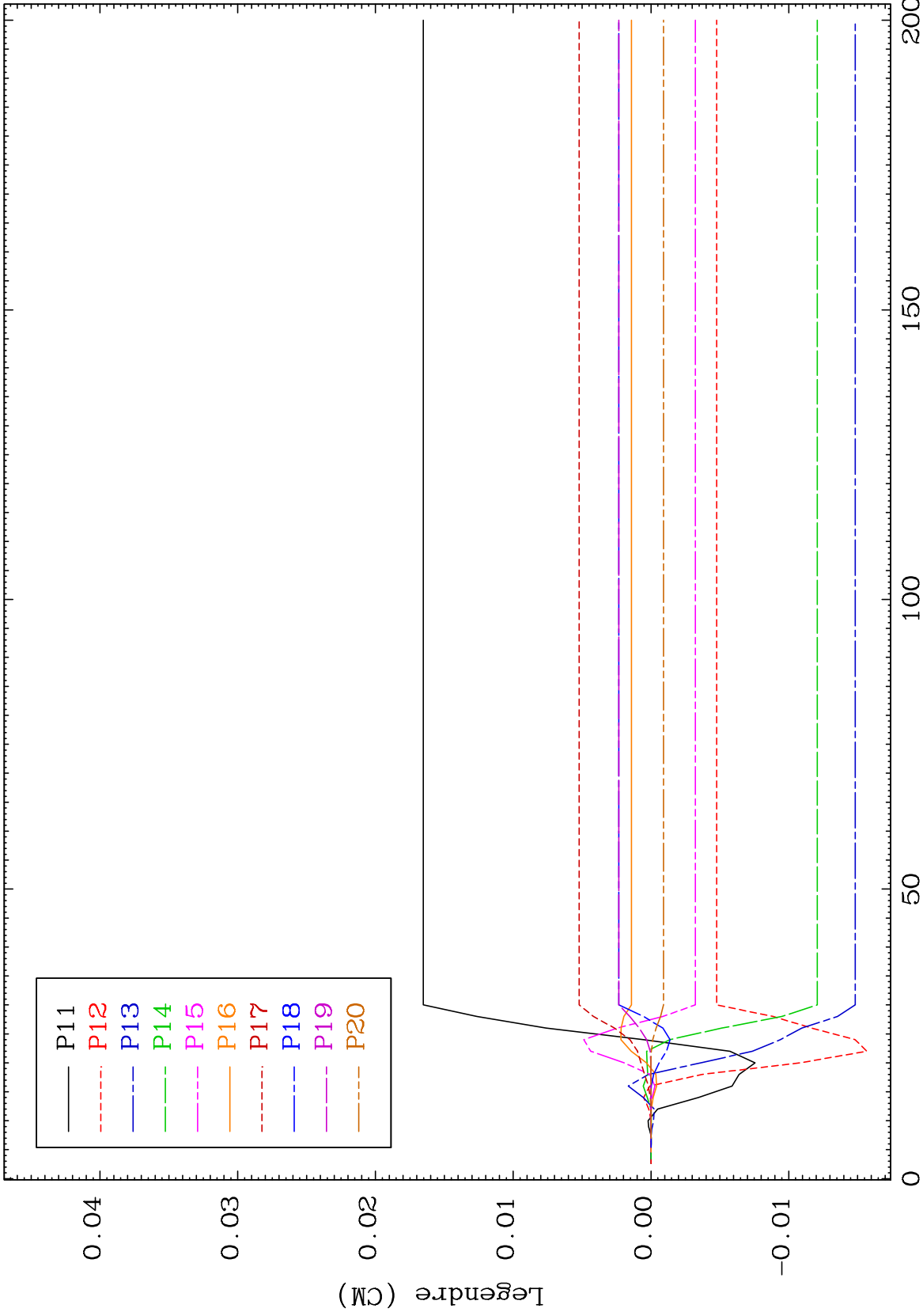
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



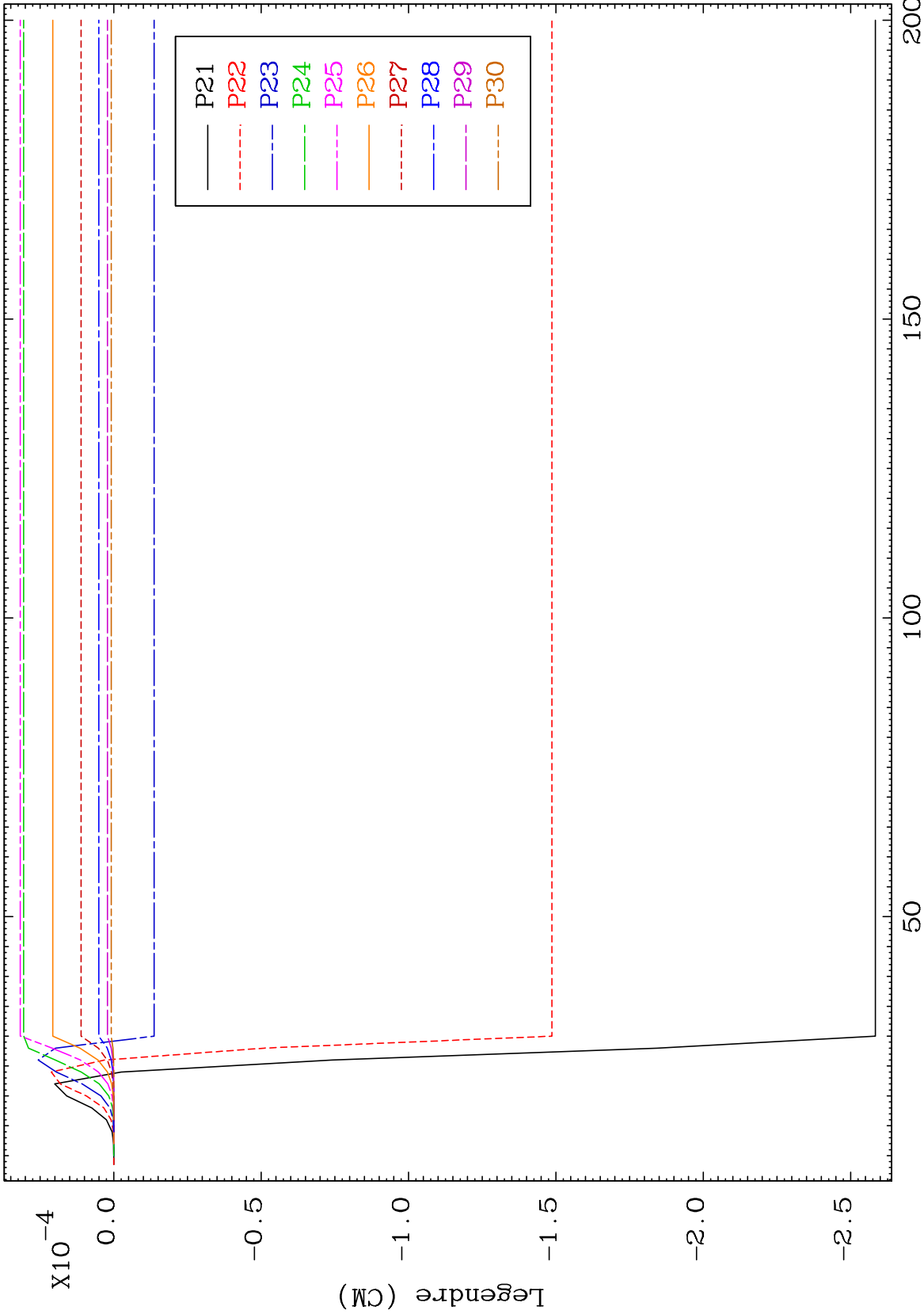
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84-Po-204

MAT 8419

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

84-Po-204



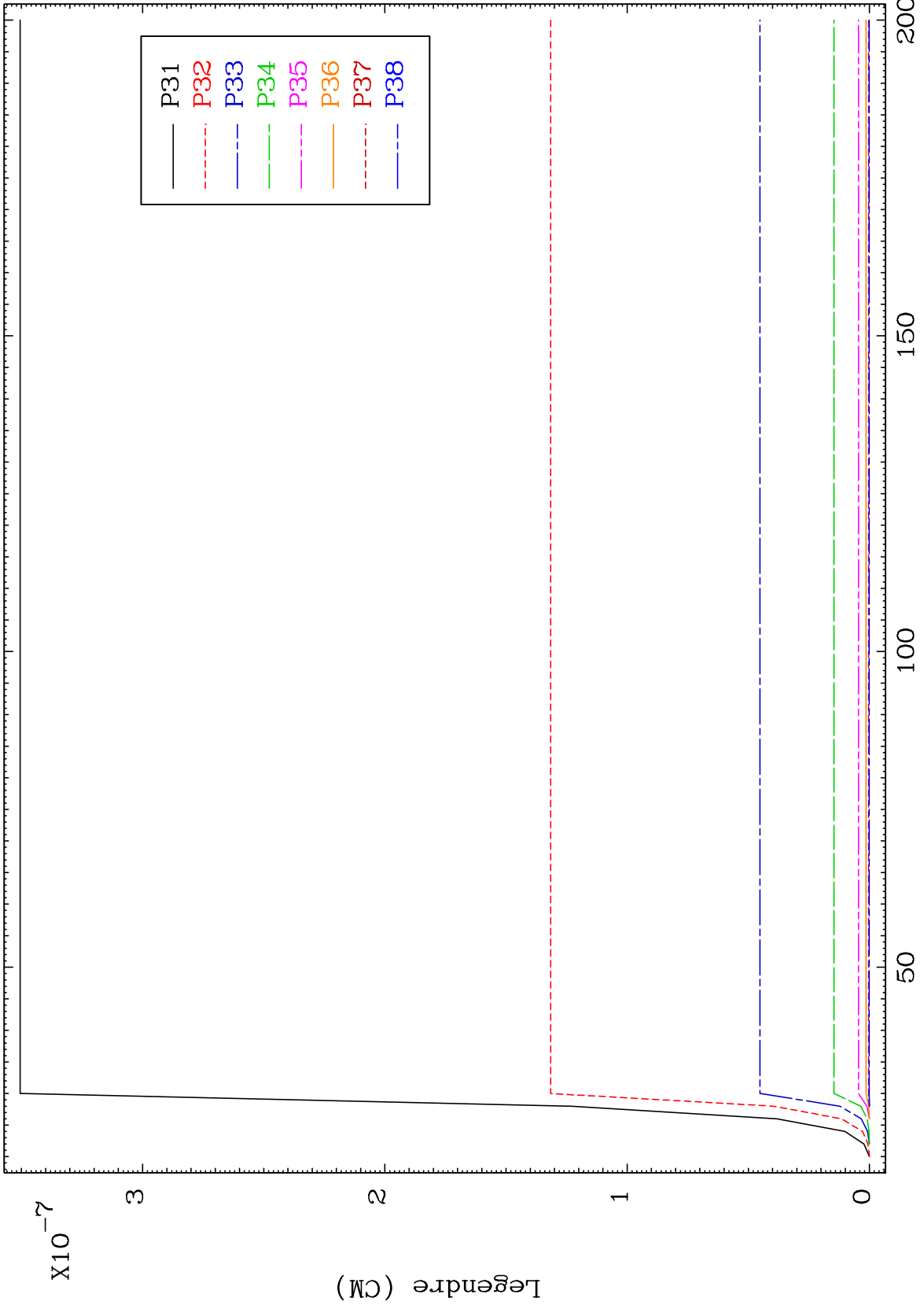
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MAT 8419

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

84-Po-204



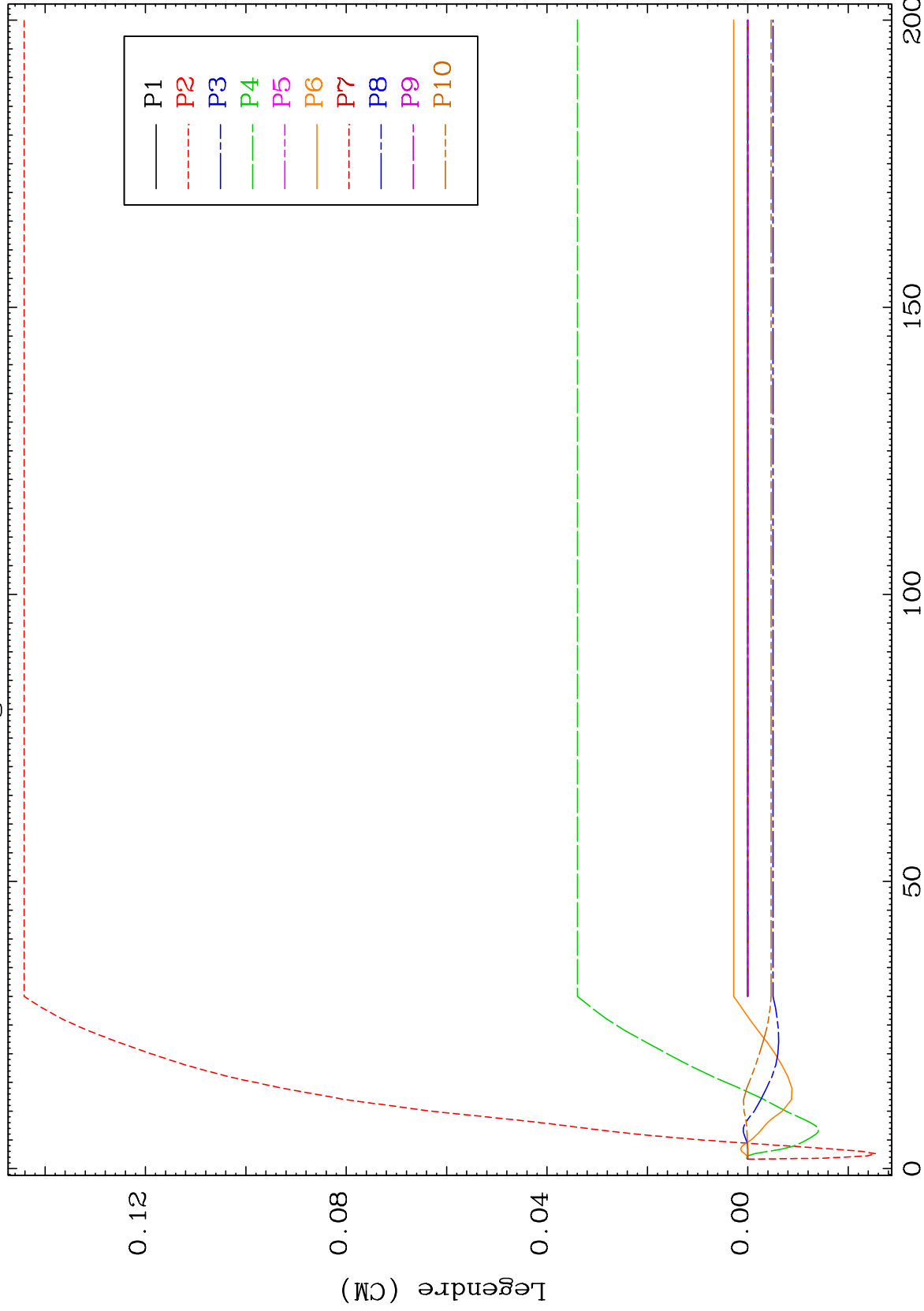
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84-Po-204

MAT 8419

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

84-Po-204



39

Incident Energy (MeV)

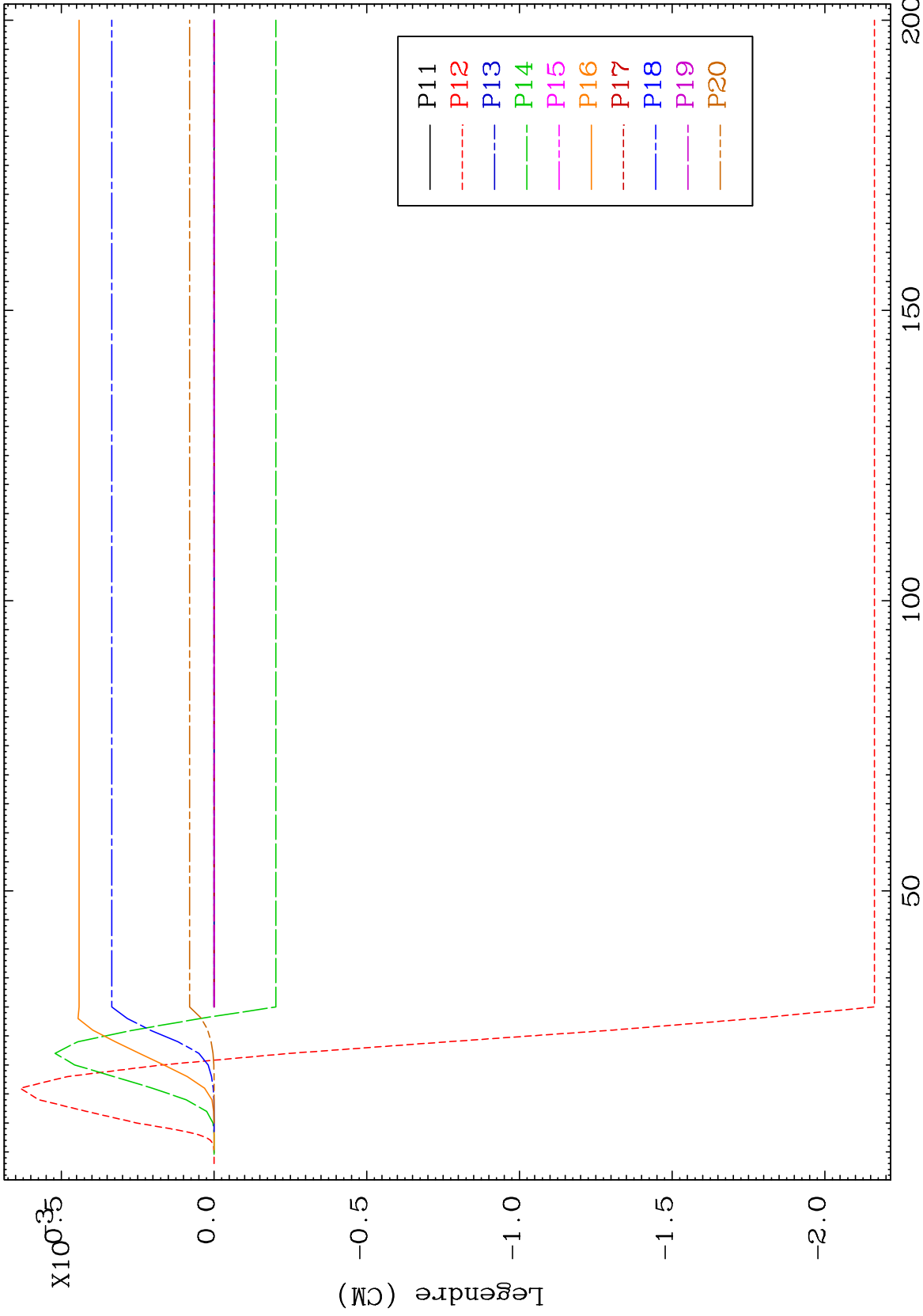
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MAT 8419

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

84-Po-204

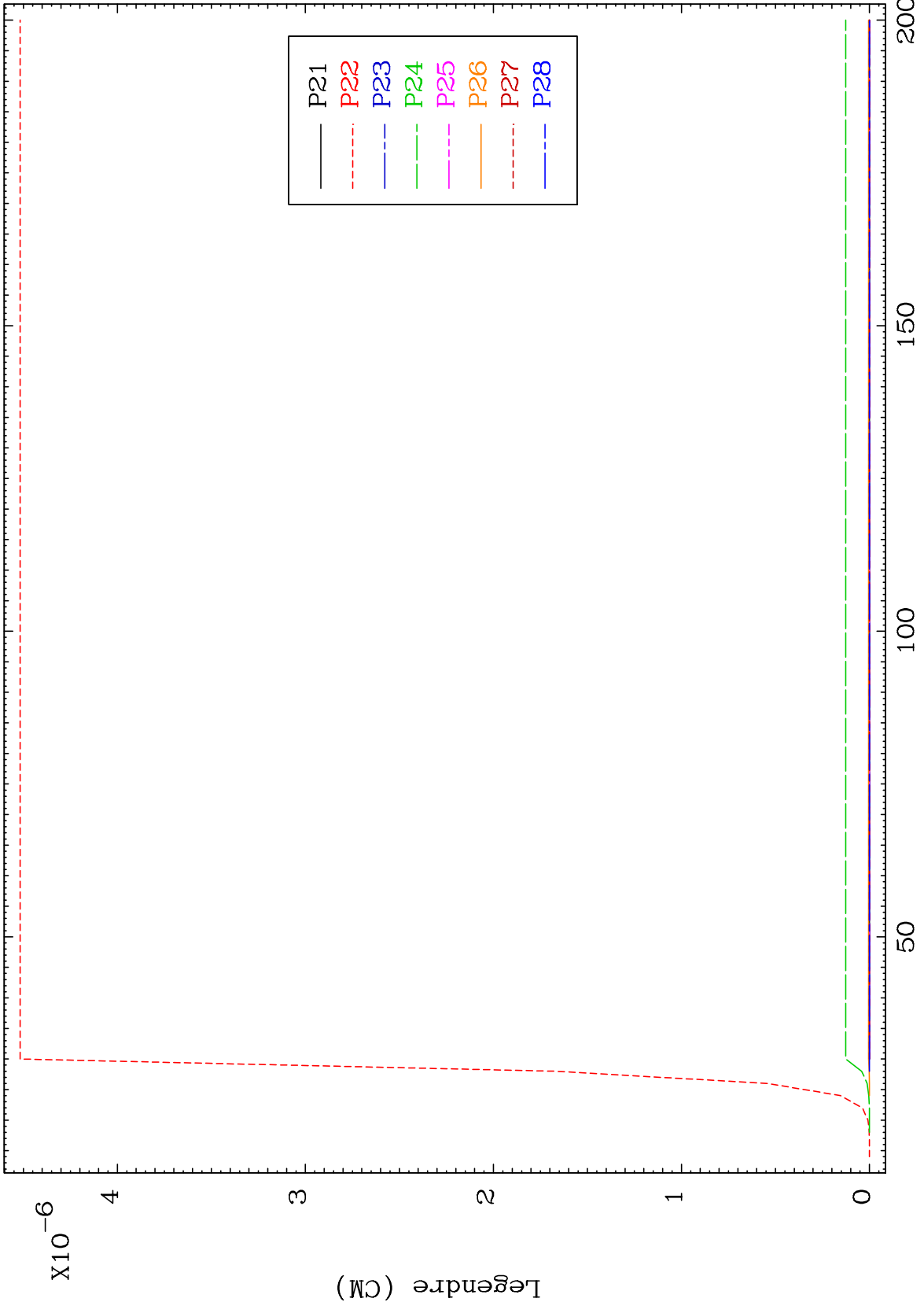


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Incident Energy (MeV)

84-Po-204

MAT 8419 MT= 56 (n,n') Level Legendre Coefficients 84-Po-204

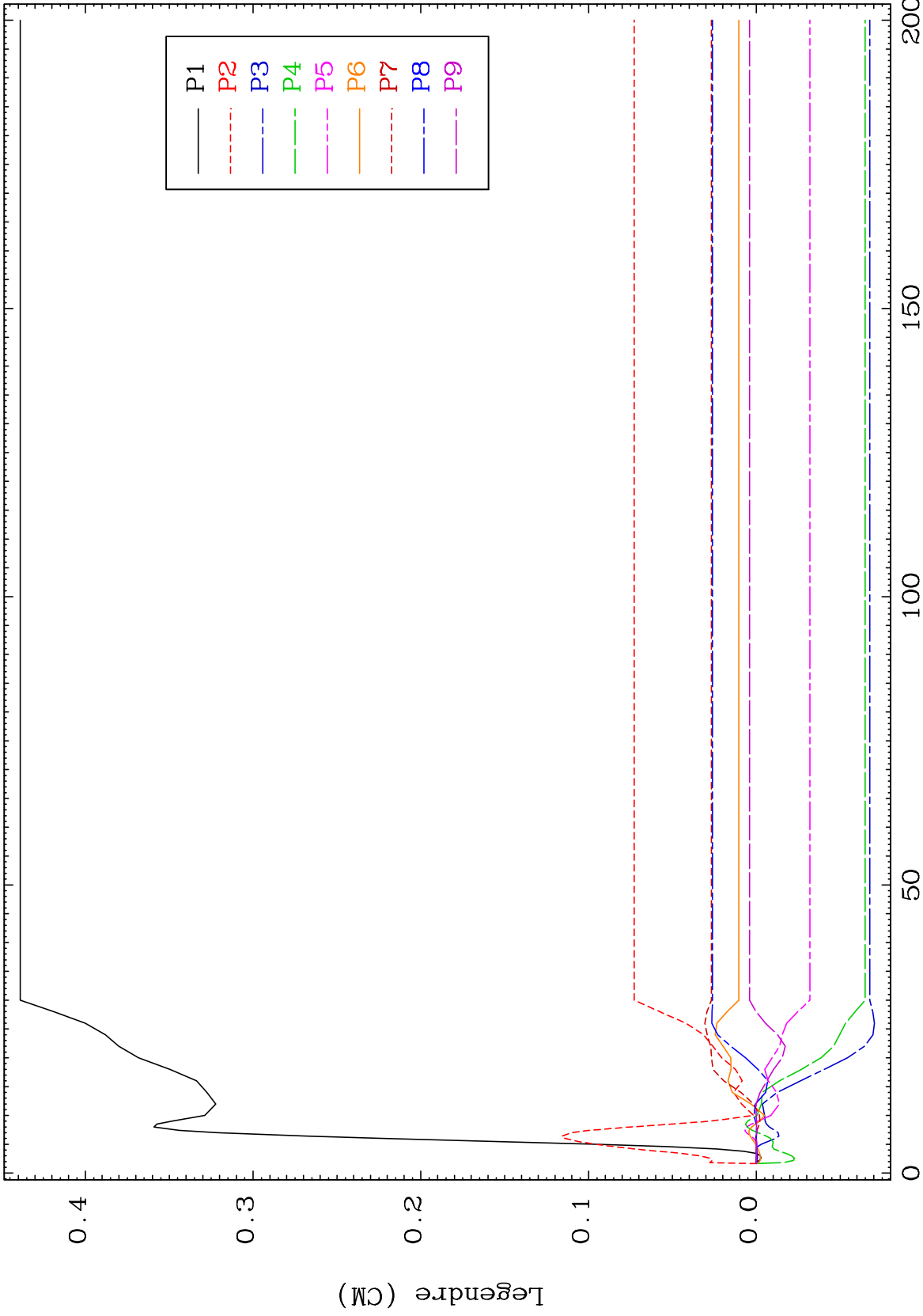


41 84-Po-204

MAT 8419

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

84-Po-204



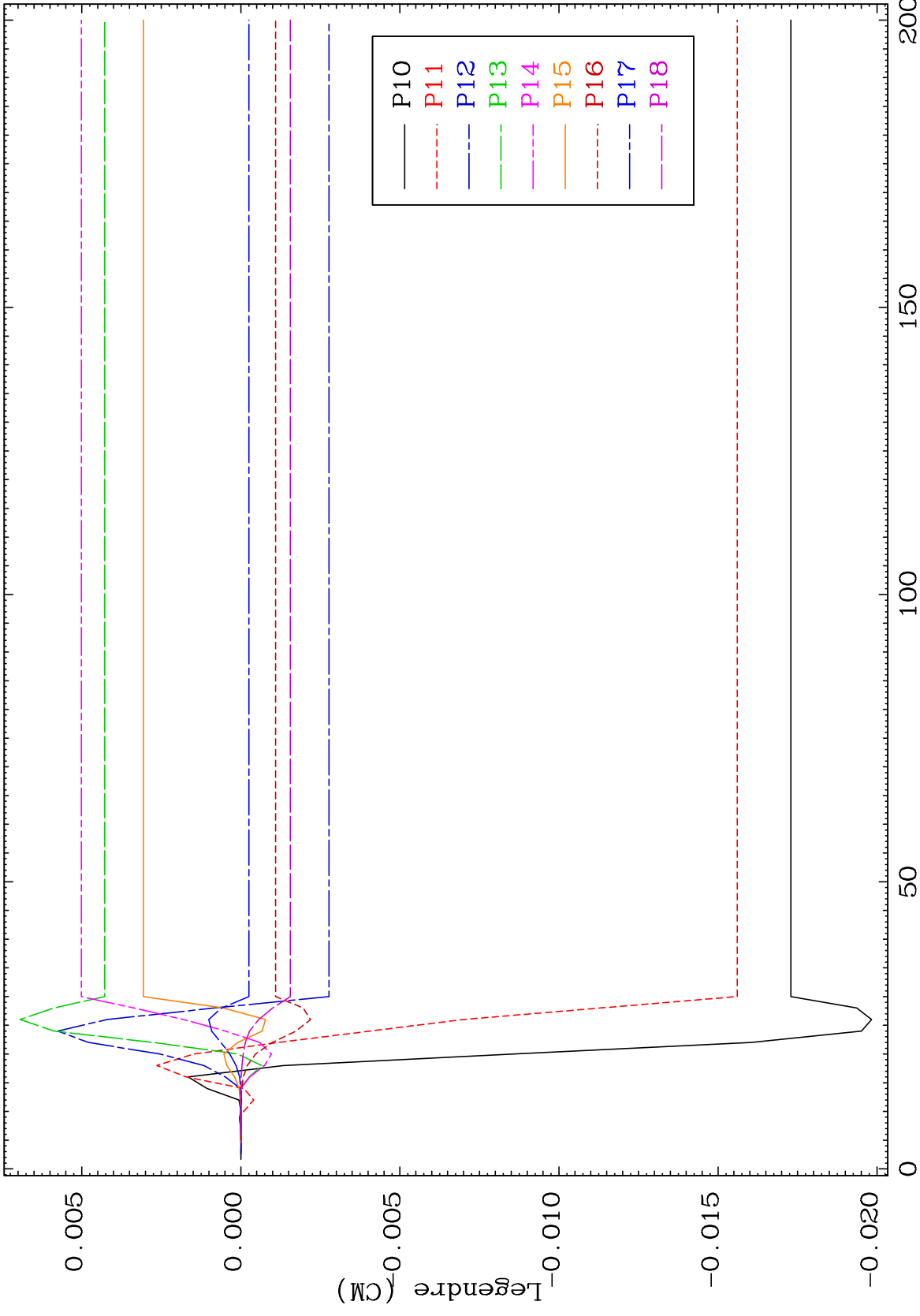
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MAT 8419

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

84-Po-204



43

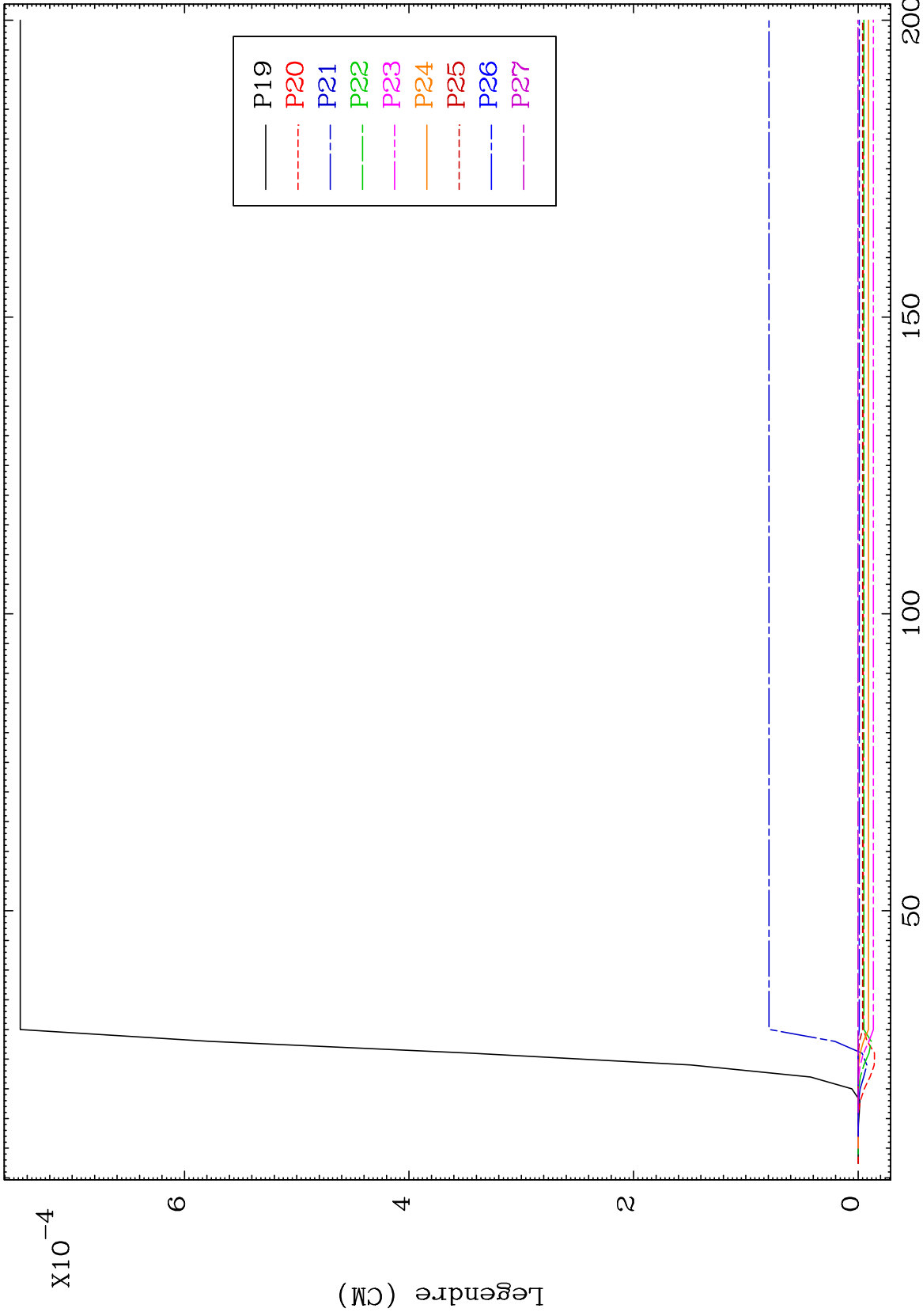
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



44

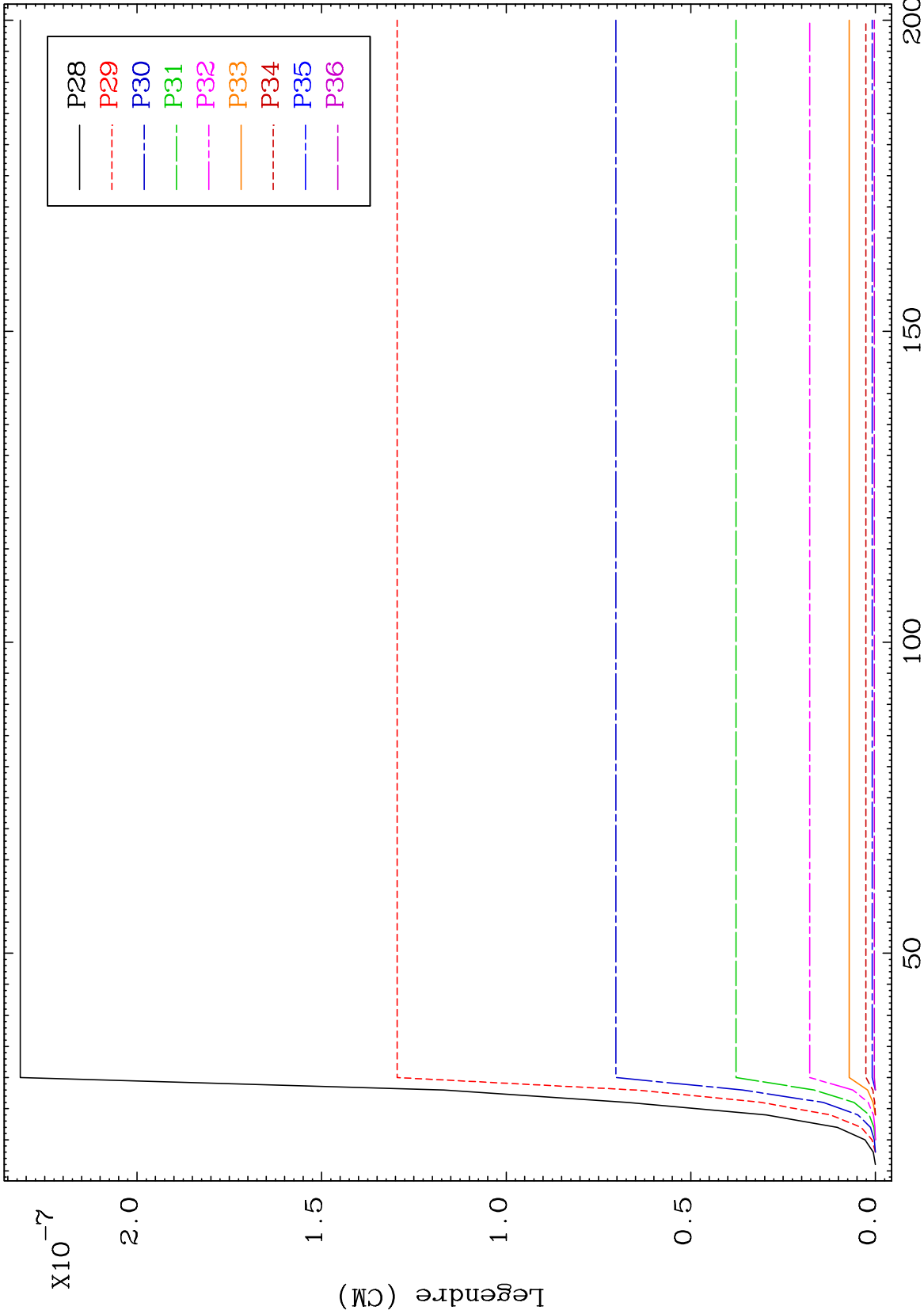
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204

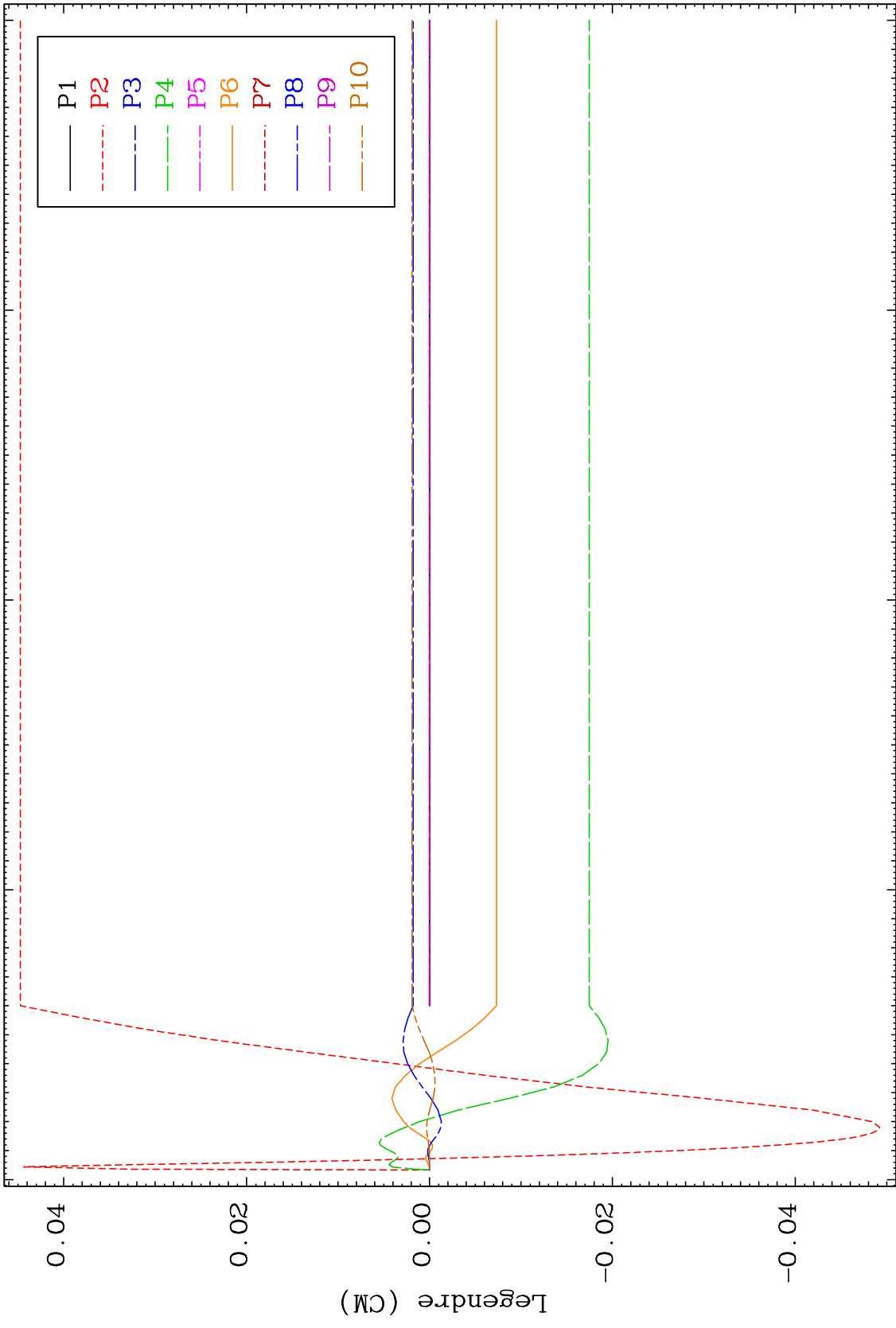


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Incident Energy (MeV)

84-Po-204

MAT 8419 MT= 58 (n,n') Level Legendre Coefficients 84-Po-204

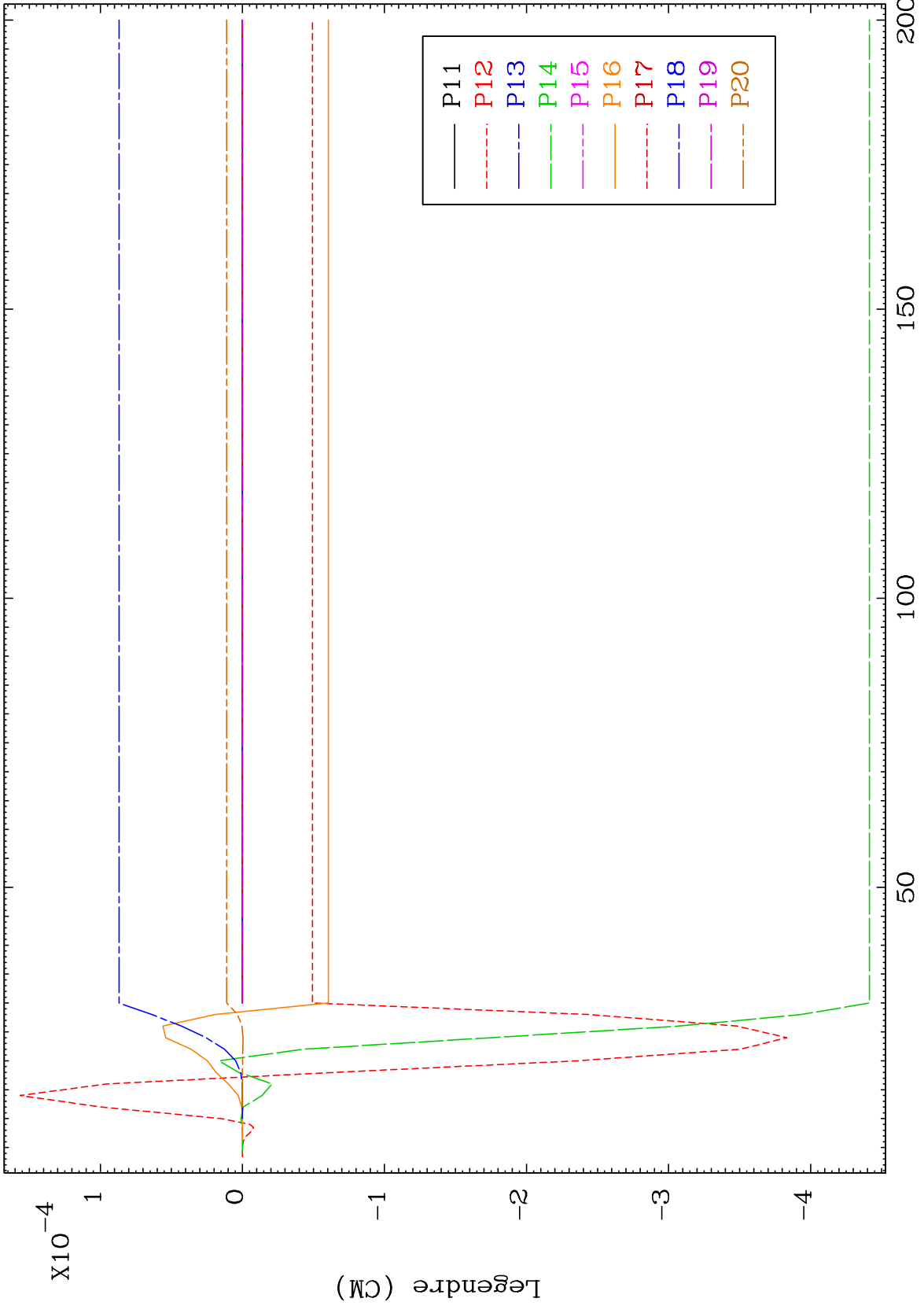


46 84-Po-204

MAT 8419

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

84-Po-204

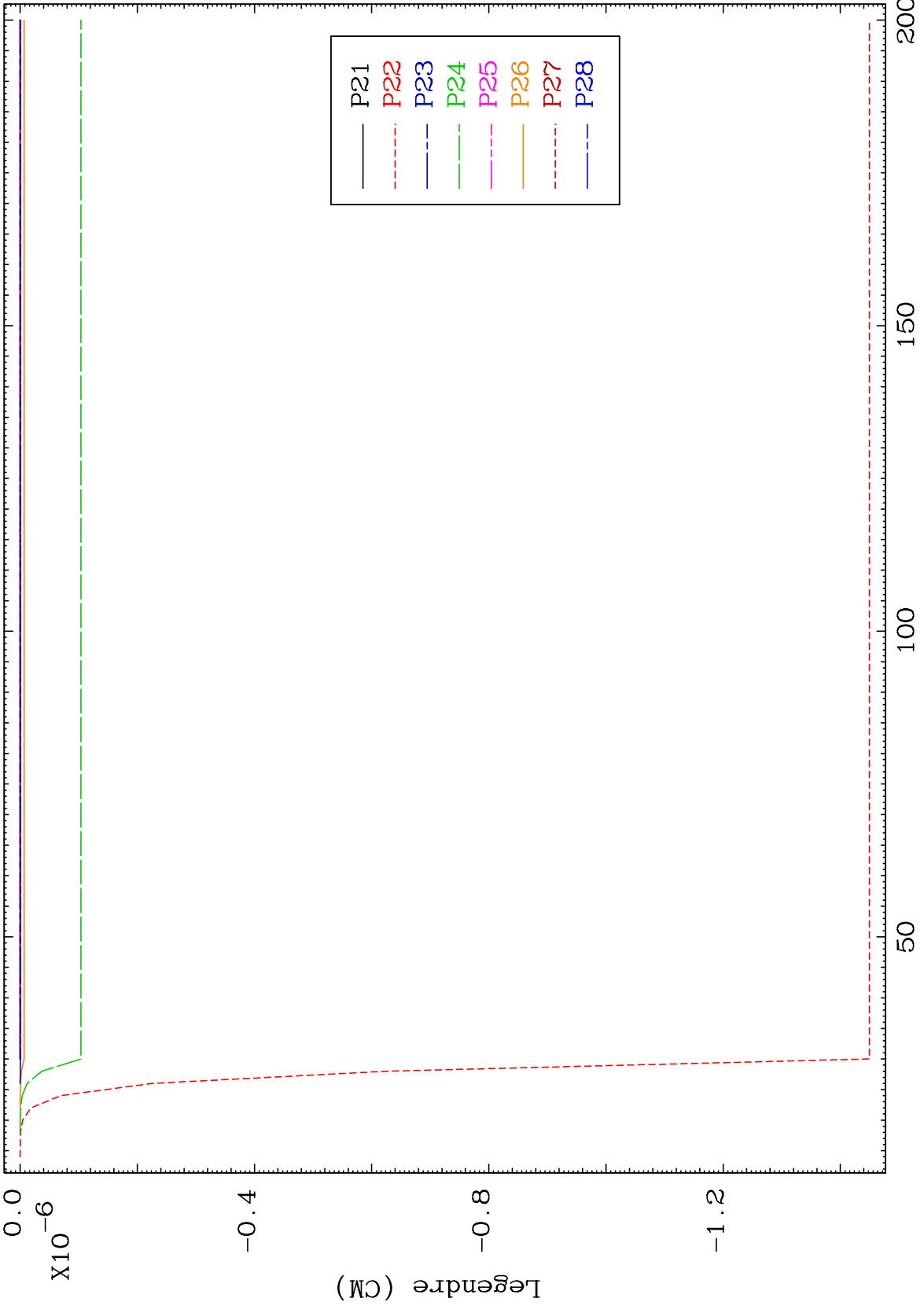


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84-Po-204



MAT 8419 MT= 58 (n,n') Level Legendre Coefficients 84-Po-204

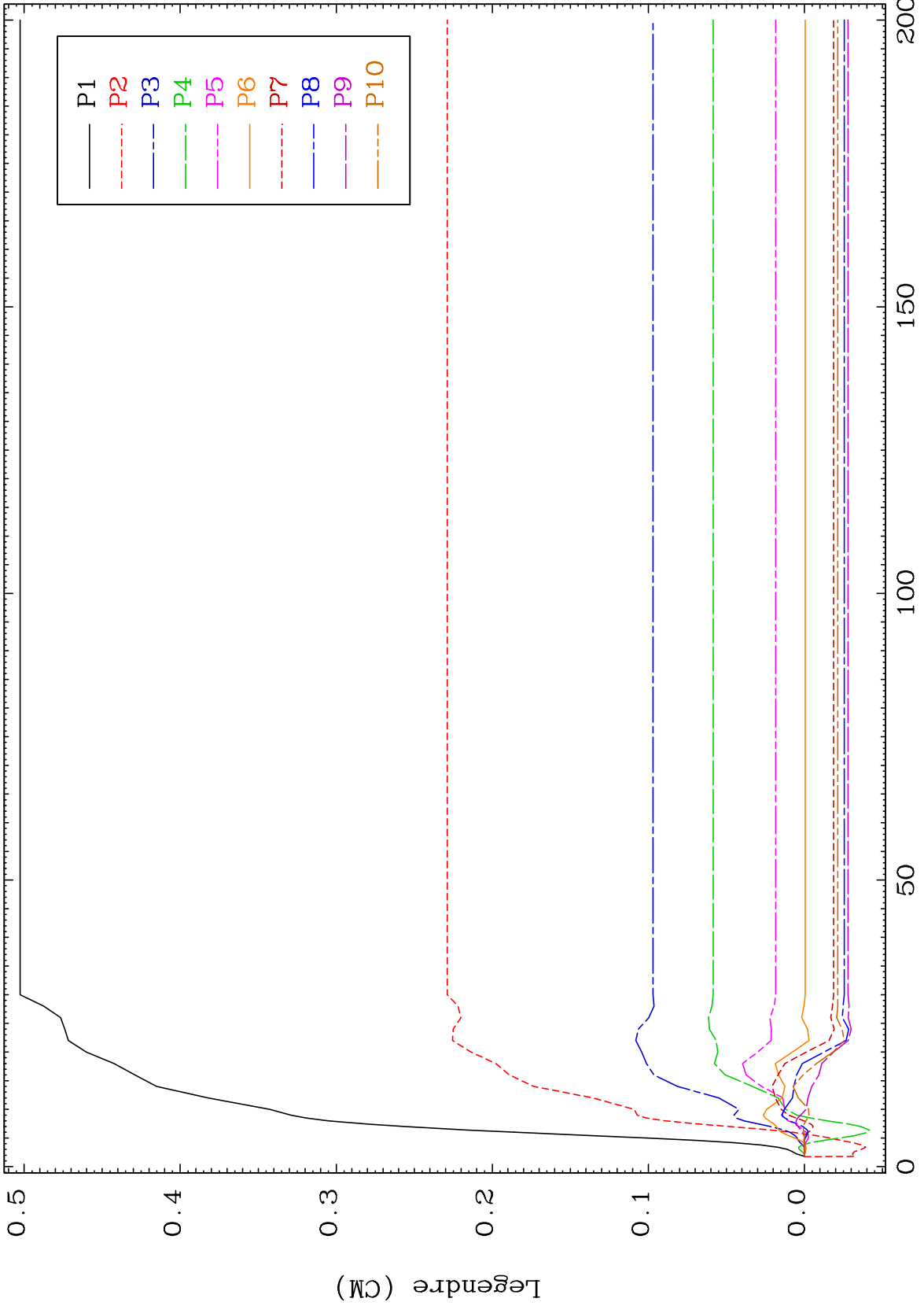


48 Incident Energy (MeV) 84-Po-204

MAT 8419

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

84-Po-204



49

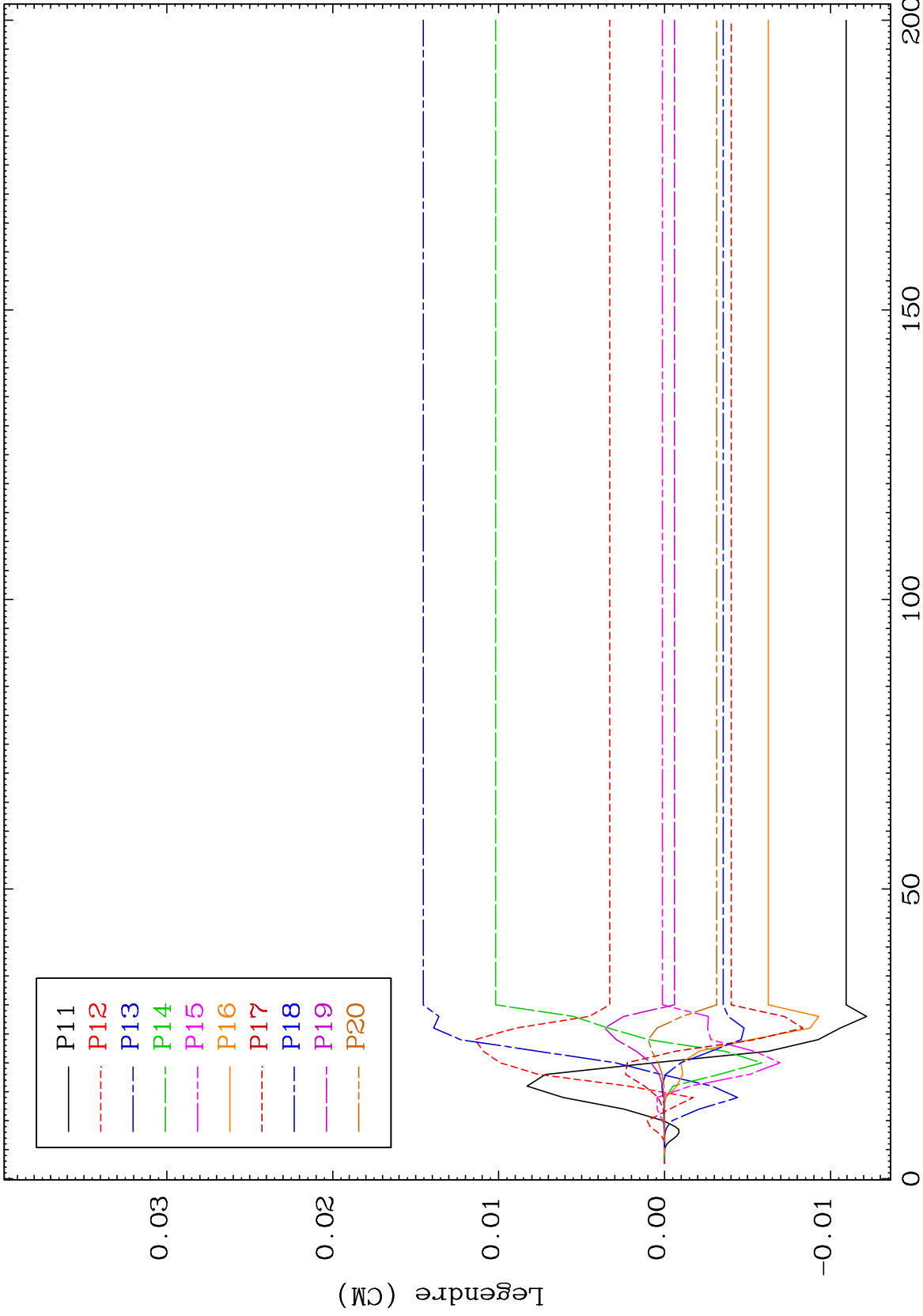
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



84-Po-204

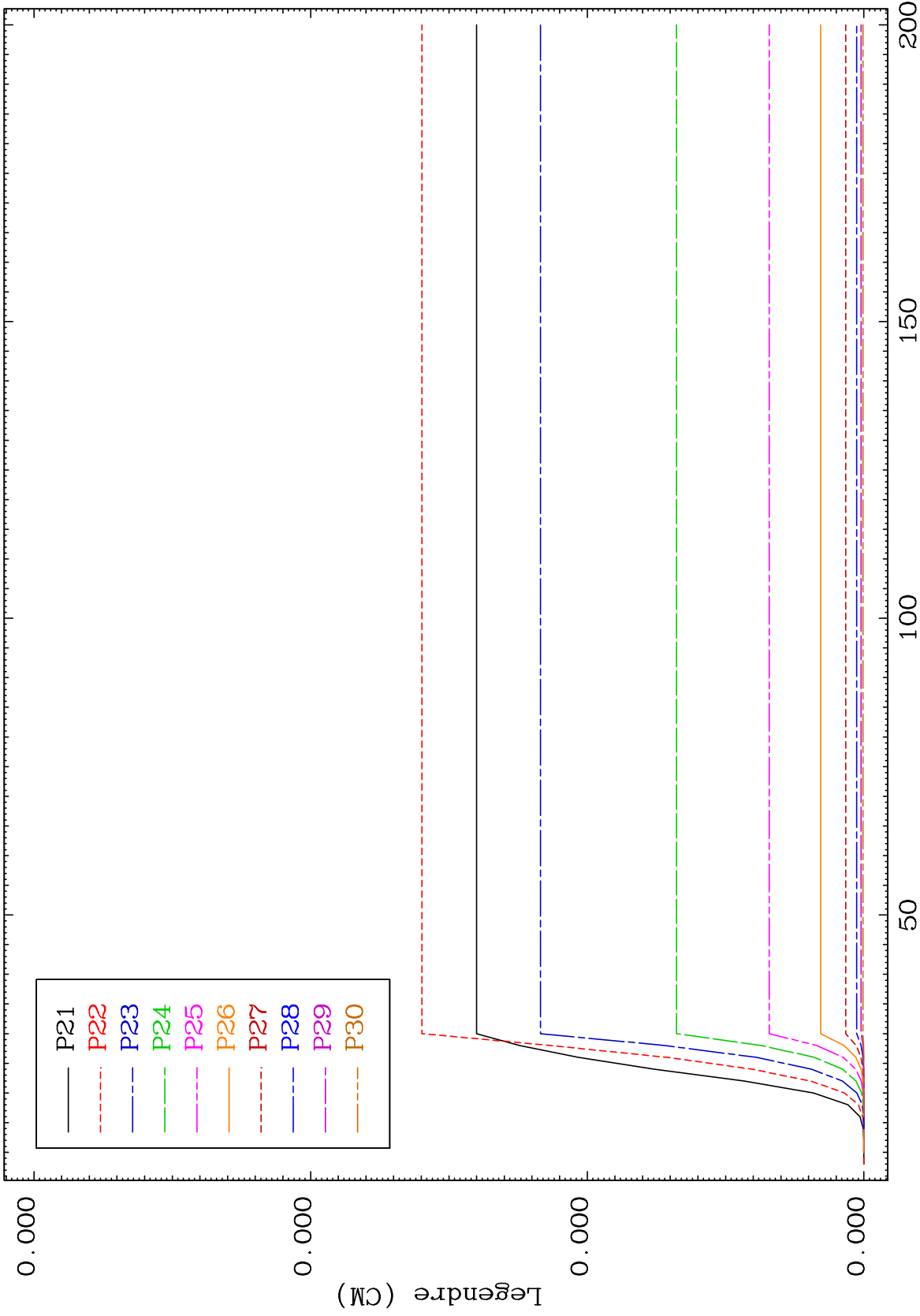
Incident Energy (MeV)

50

MAT 8419

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

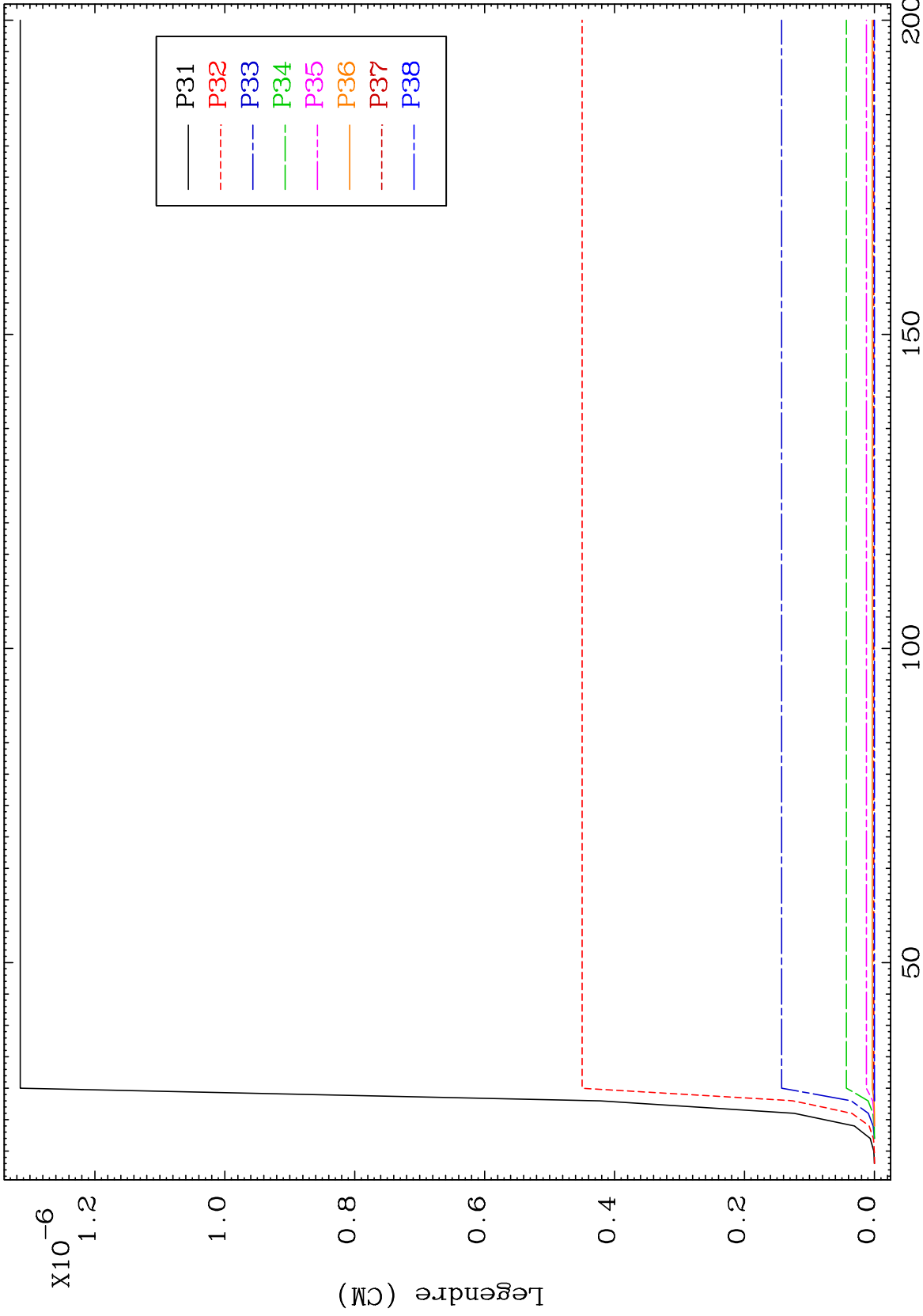
84-Po-204



MAT 8419

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

84-Po-204



52

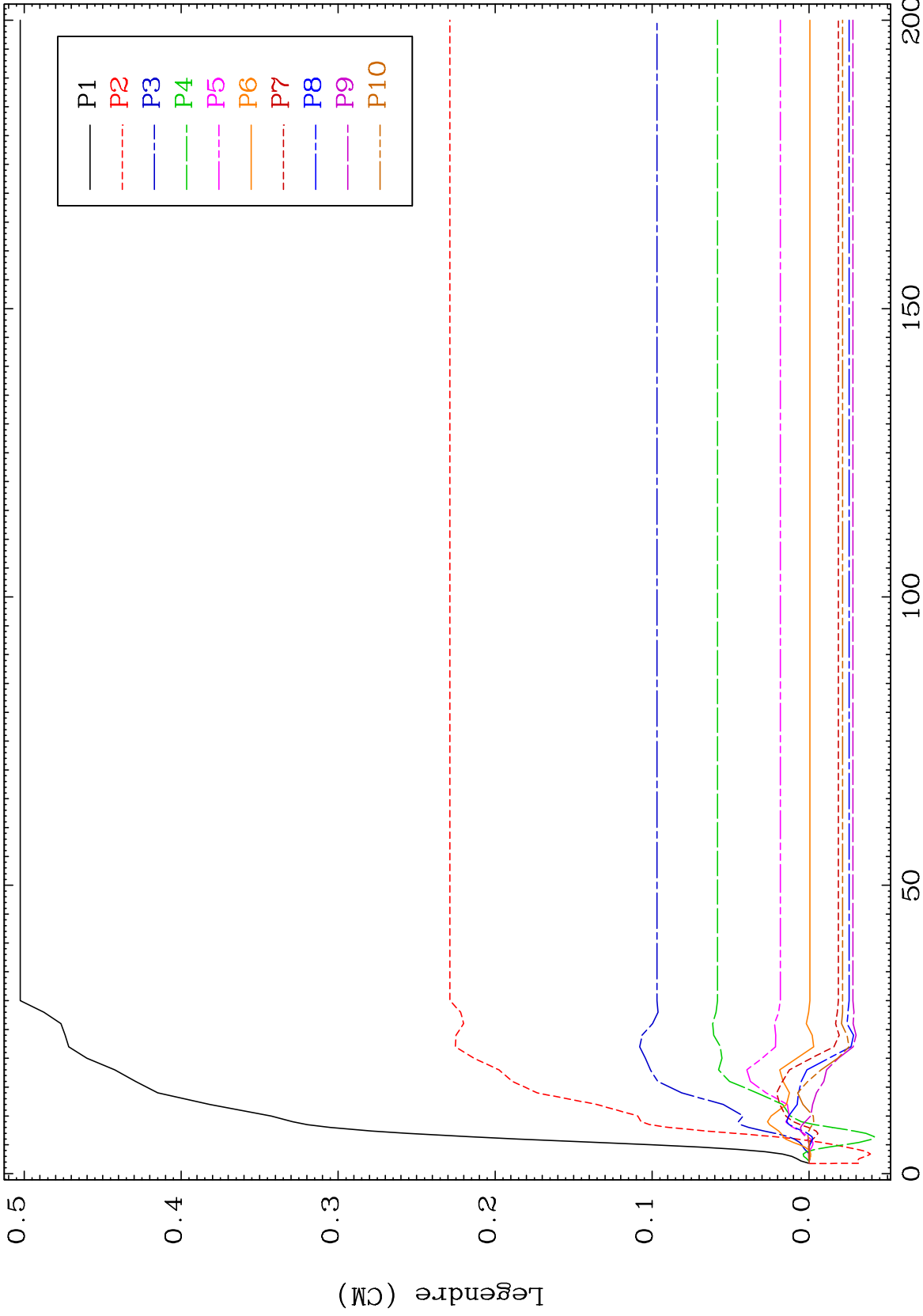
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



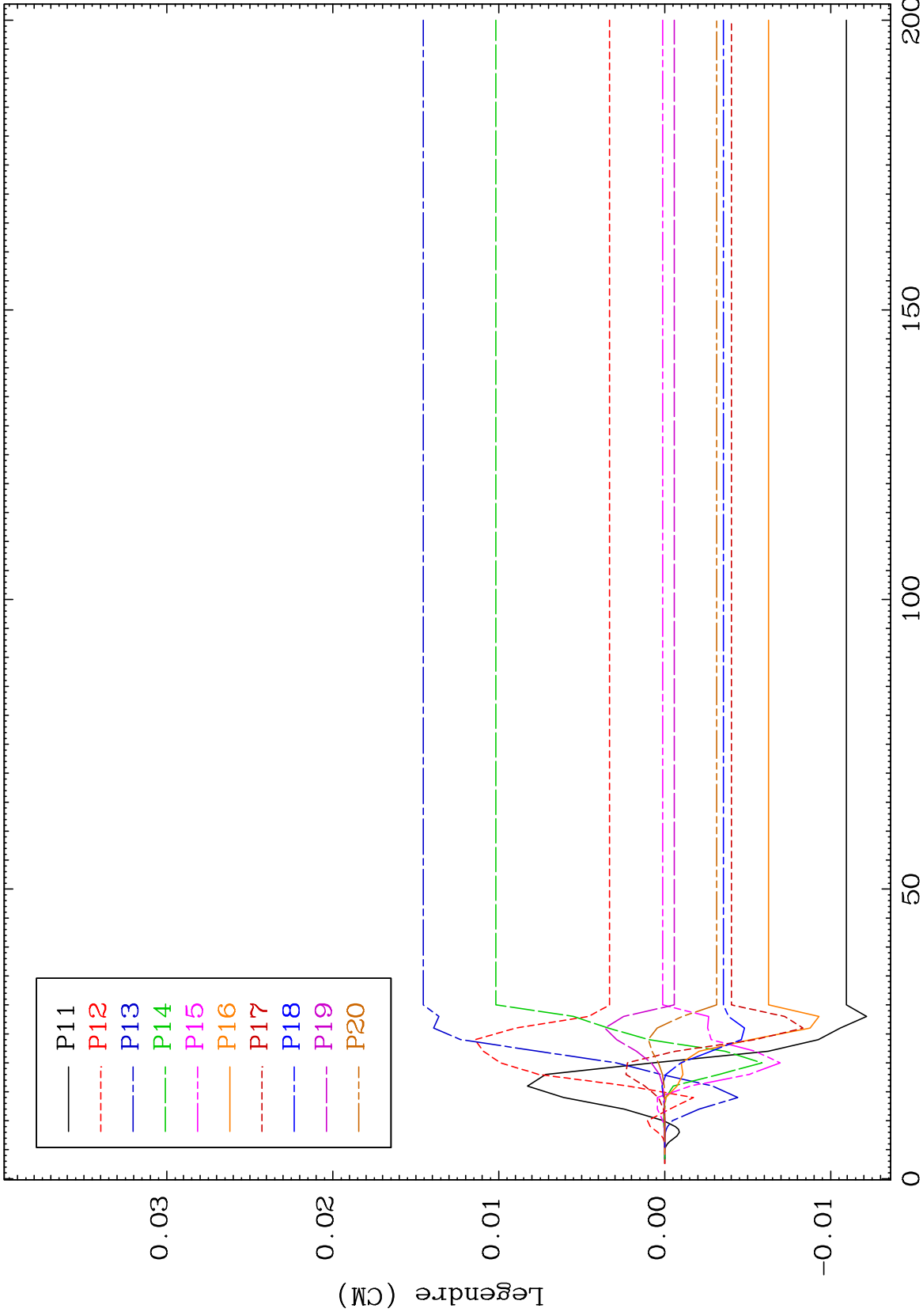
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84-Po-204

MAT 8419

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

84-Po-204



54

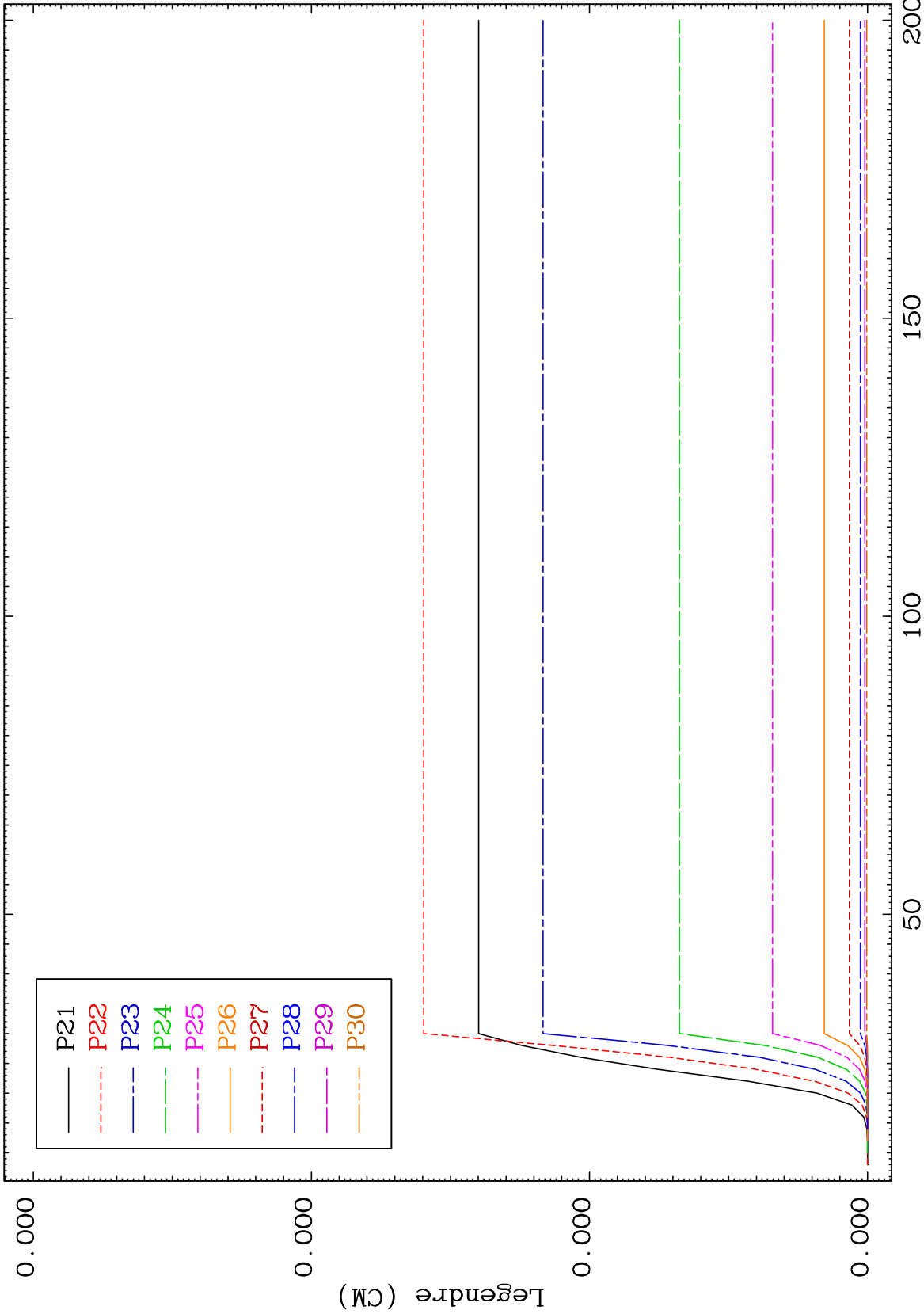
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



55

Incident Energy (MeV)

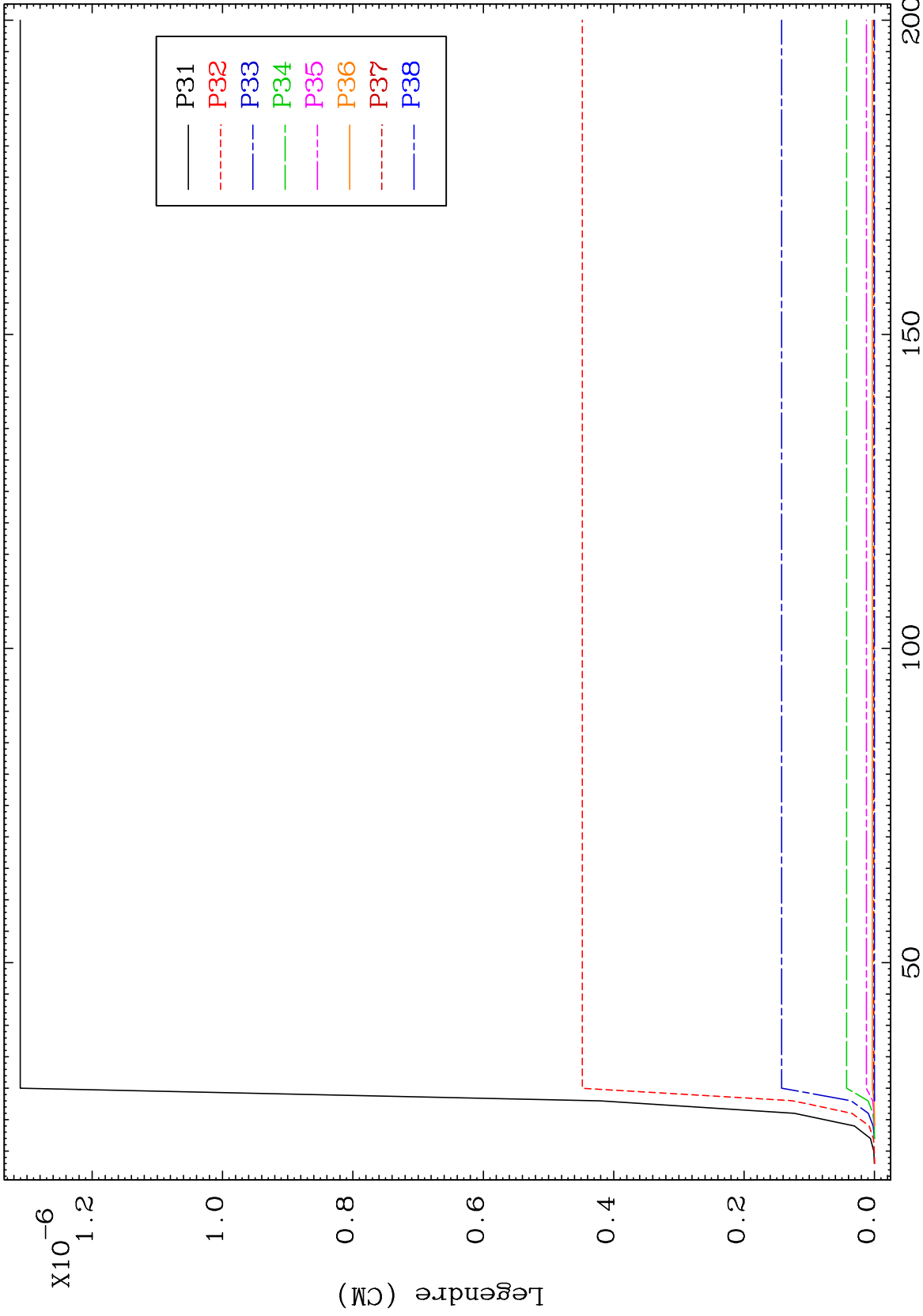
84-Po-204



MAT 8419

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

84-Po-204



56

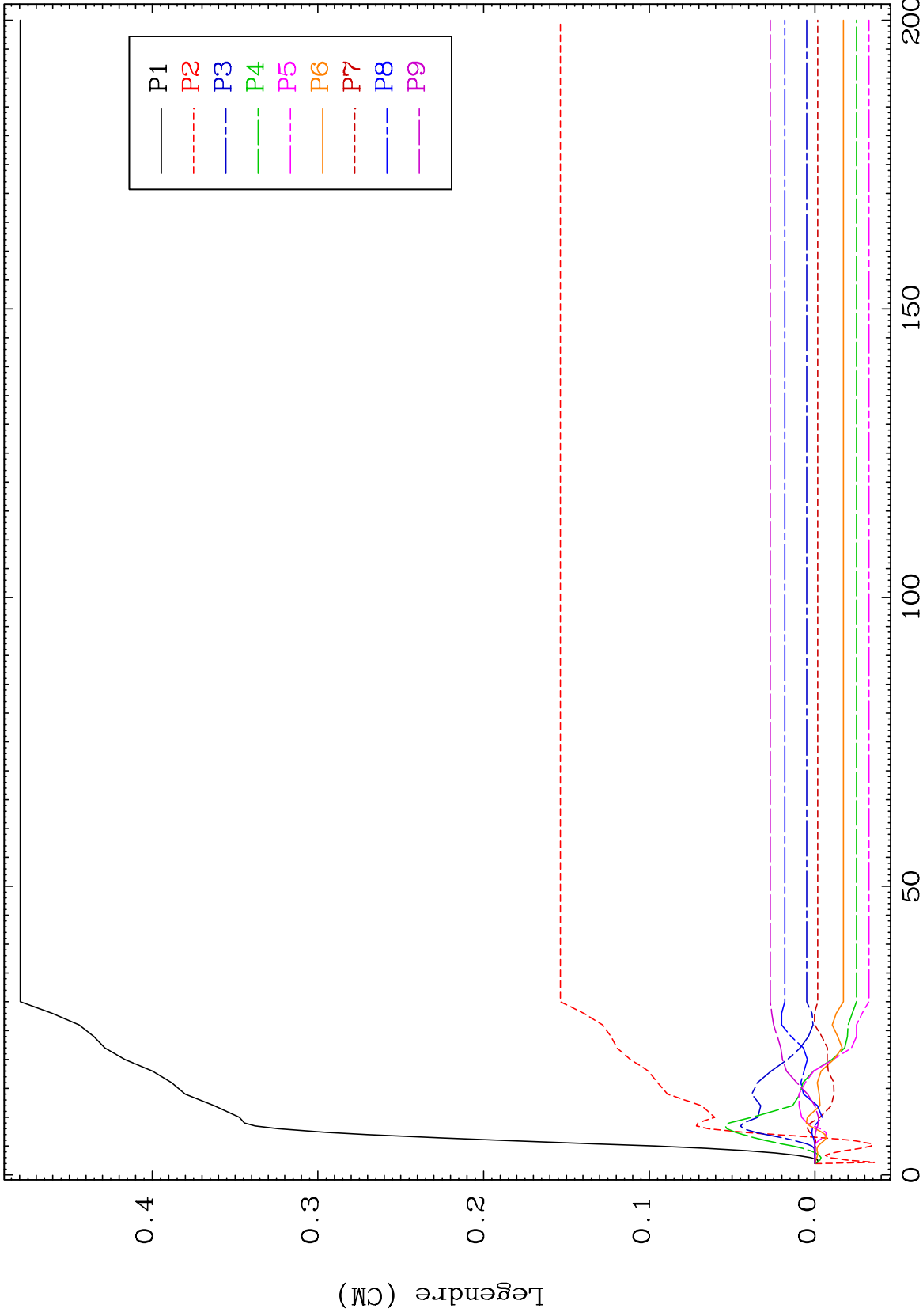
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204

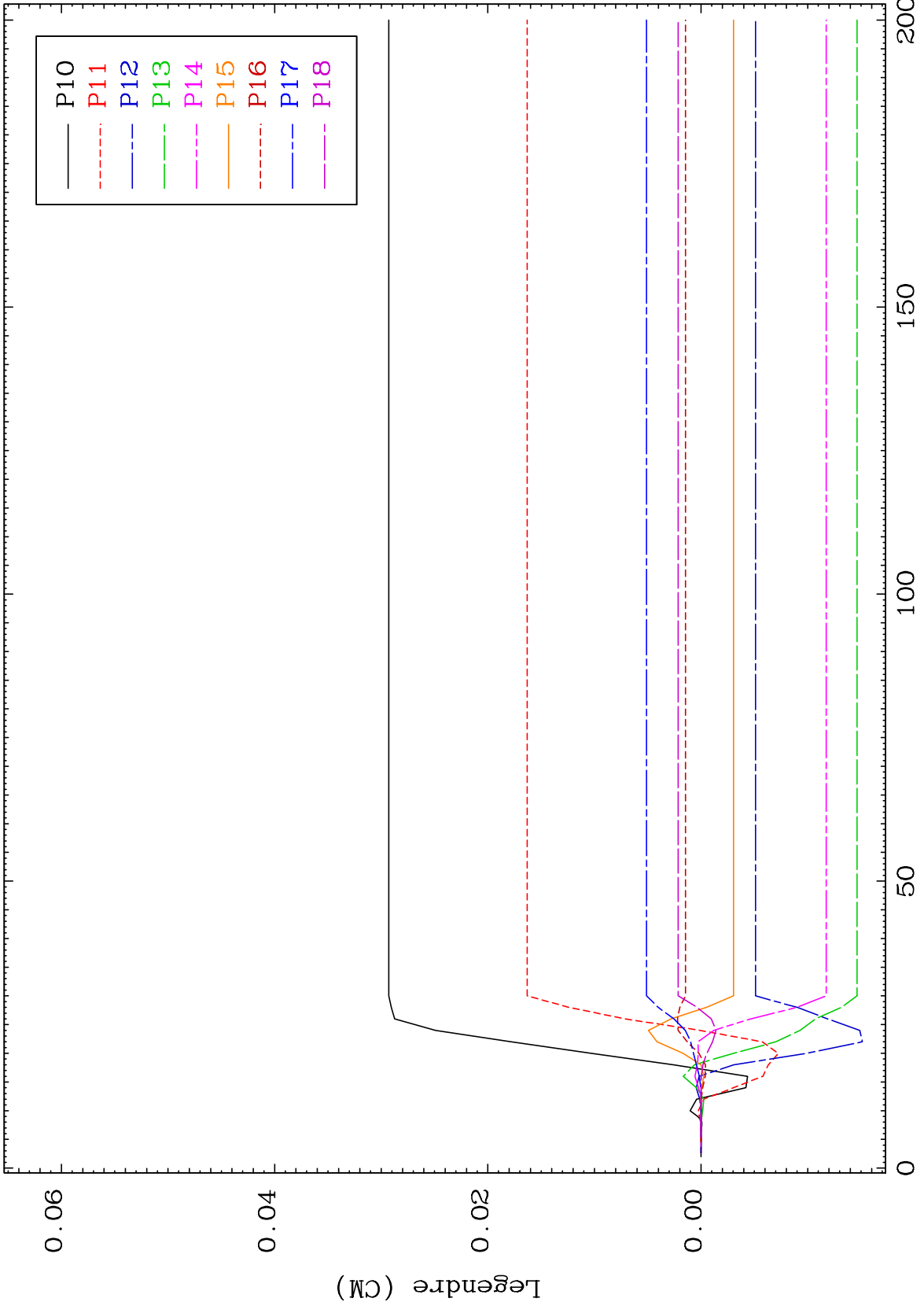


57

Incident Energy (MeV)

84-Po-204

MAT 8419 MT= 61 (n,n') Level Legendre Coefficients 84-Po-204

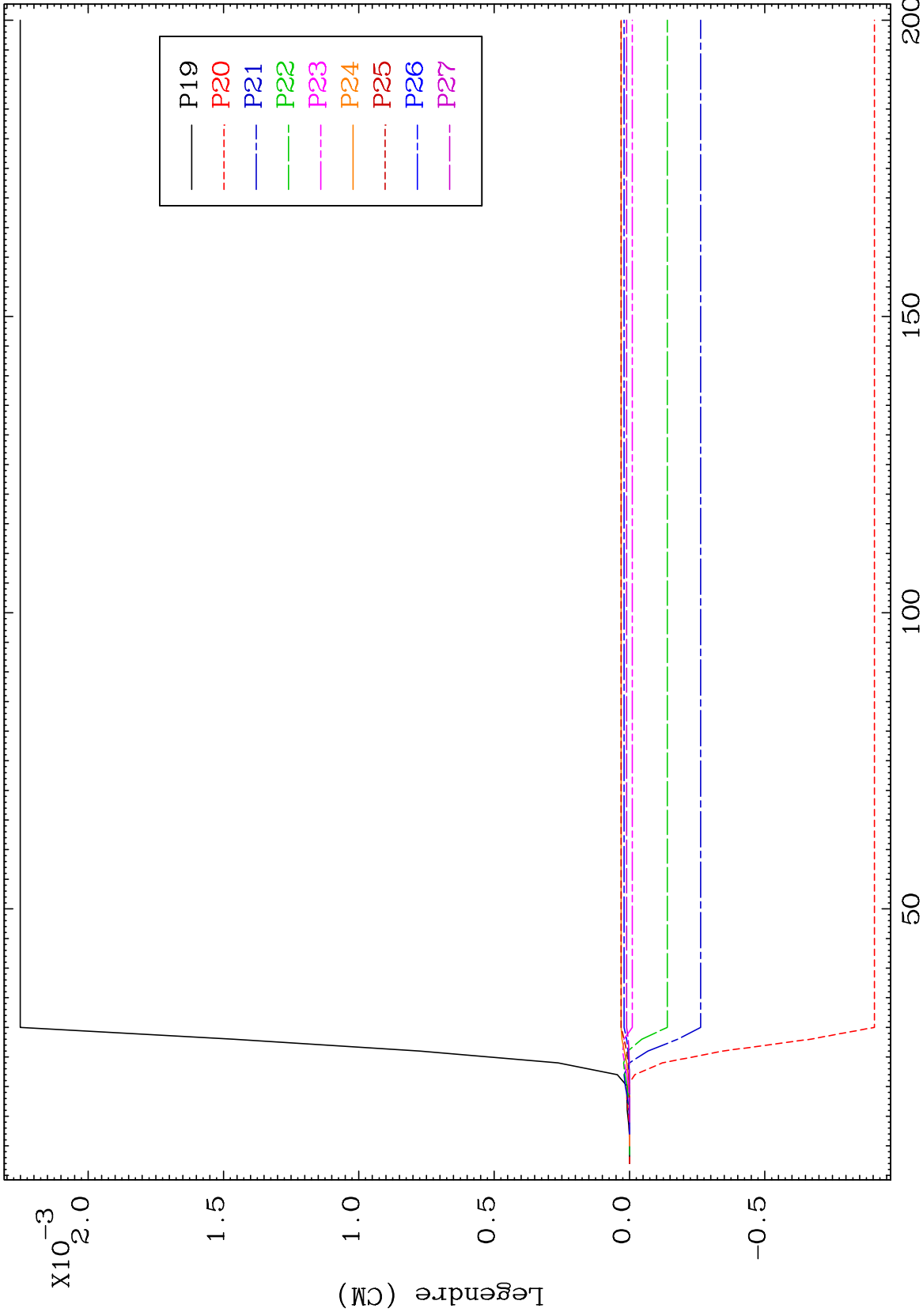


58 84-Po-204

MAT 8419

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

84-Po-204



59

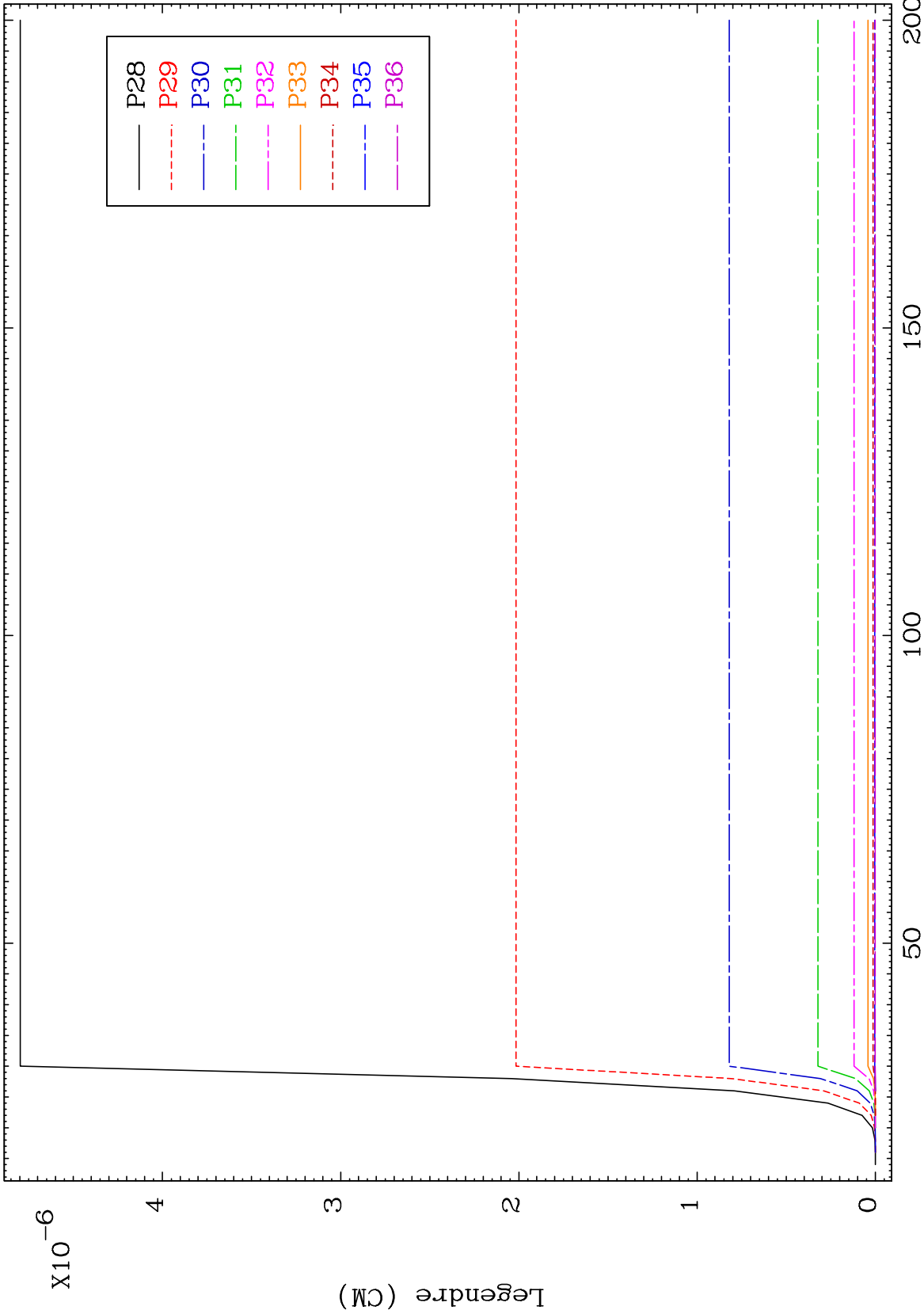
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



60

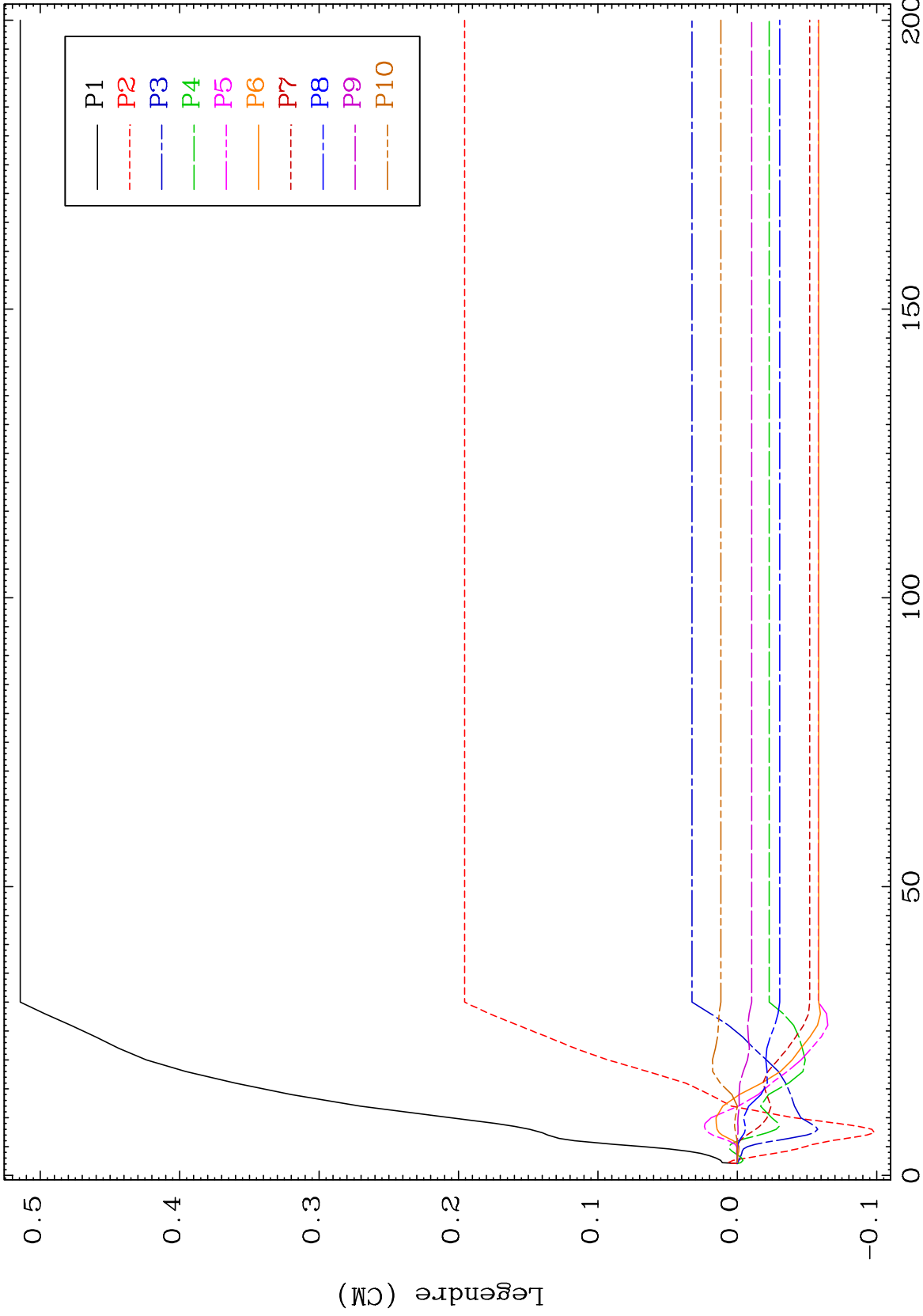
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



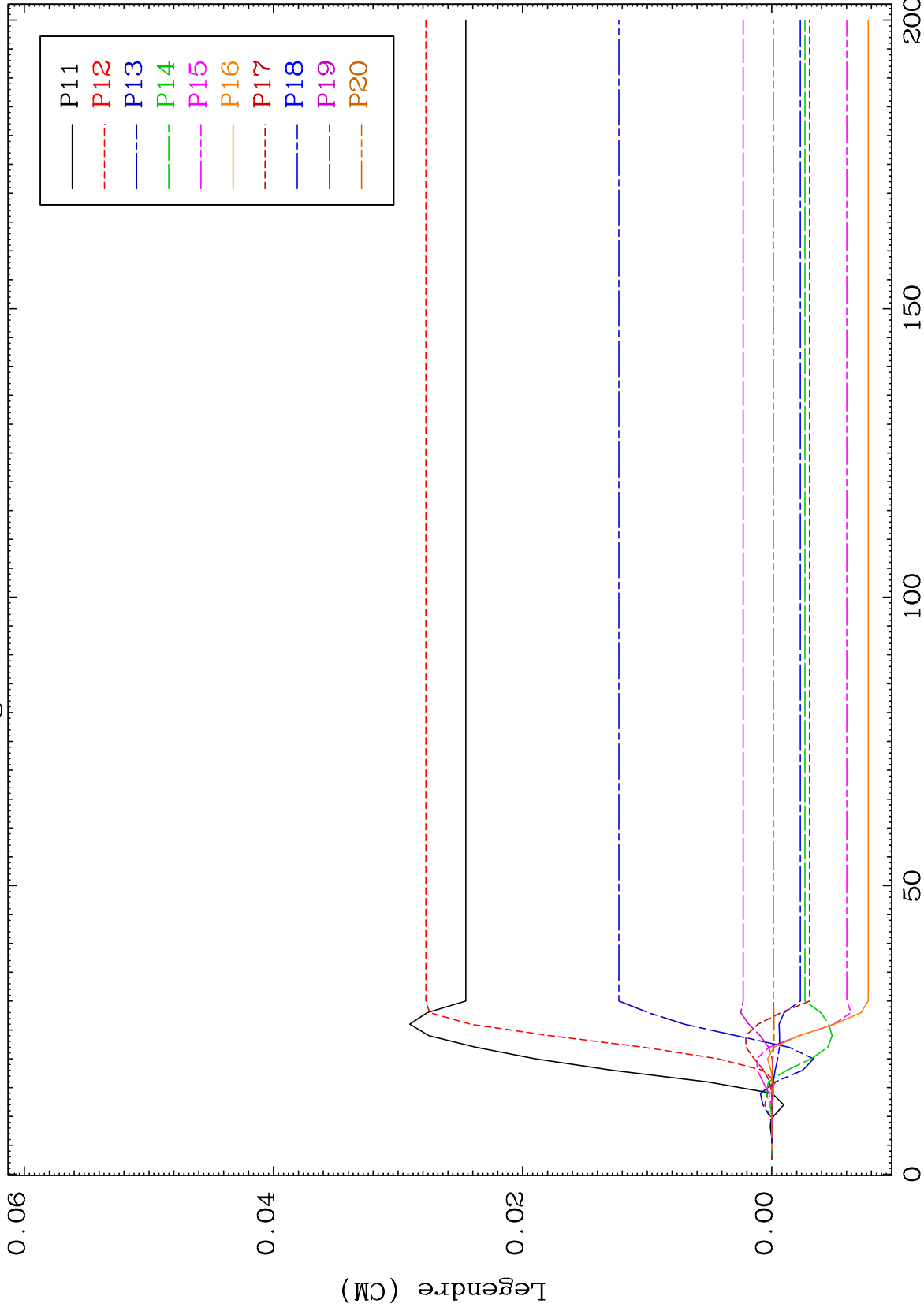
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Incident Energy (MeV)

84-Po-204

MAT 8419 MT= 62 (n,n') Level Legendre Coefficients

84-Po-204



84-Po-204

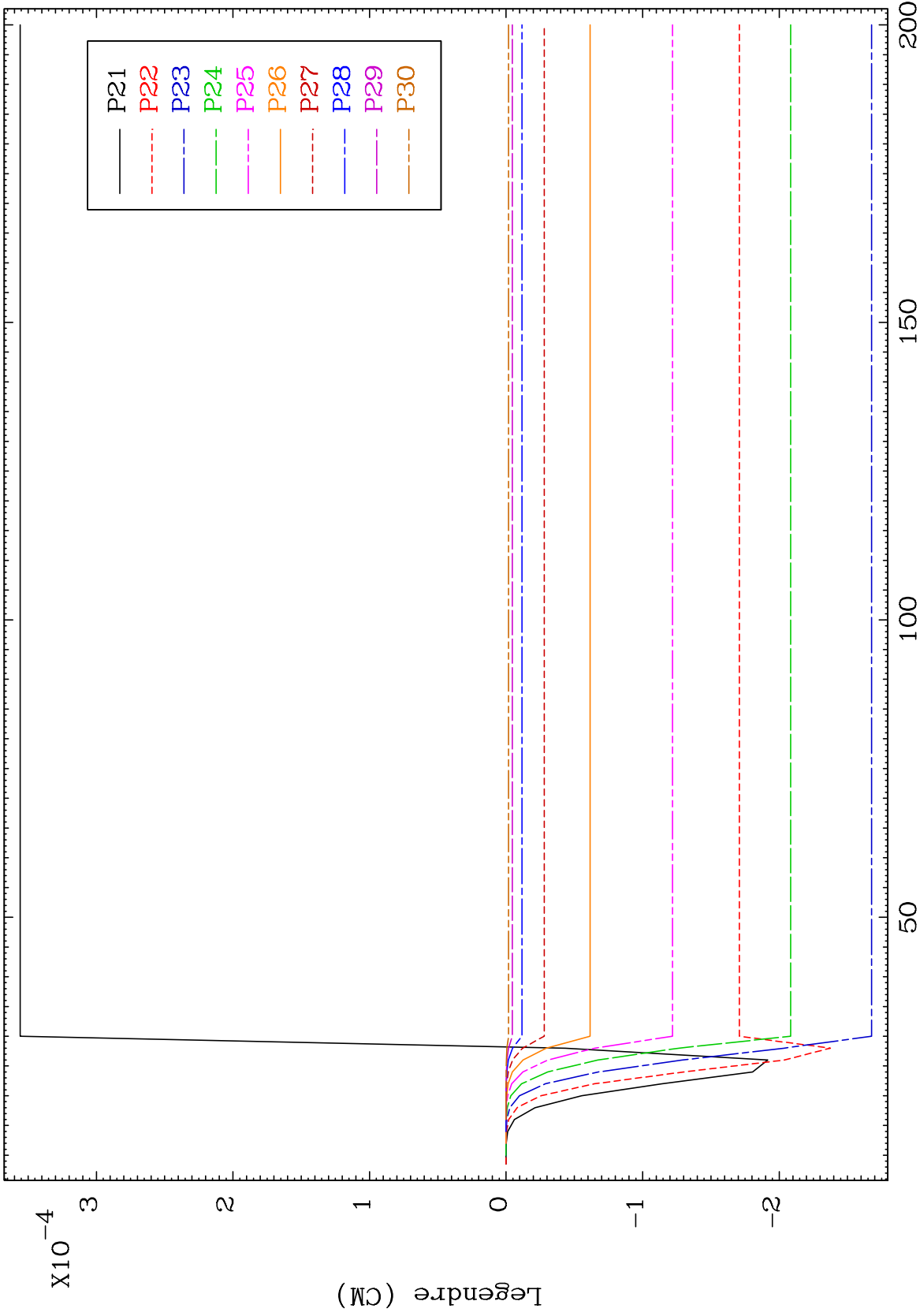
Incident Energy (MeV)

62

MAT 8419

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

84-Po-204



63

Incident Energy (MeV)

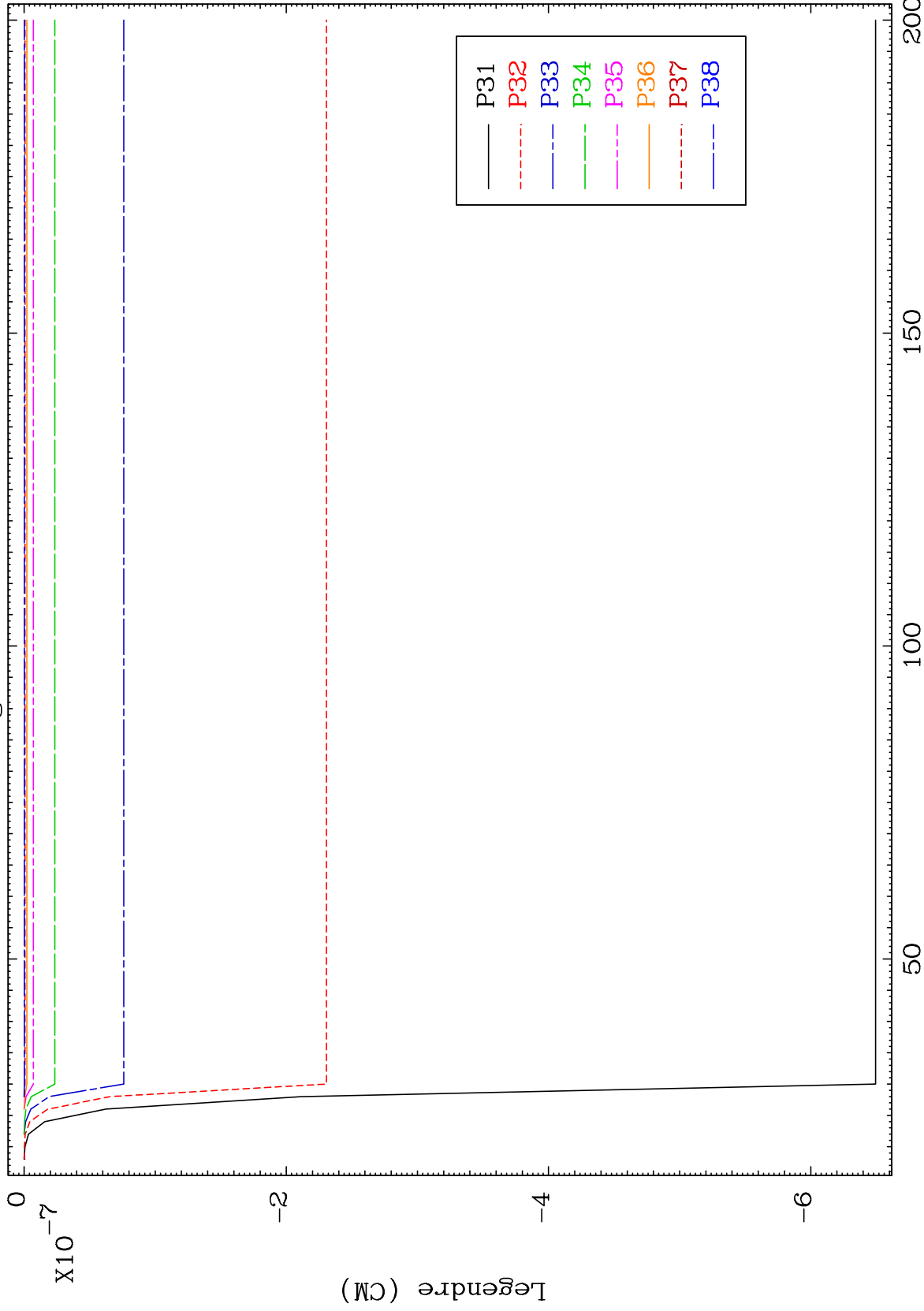
84-Po-204



MAT 8419

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

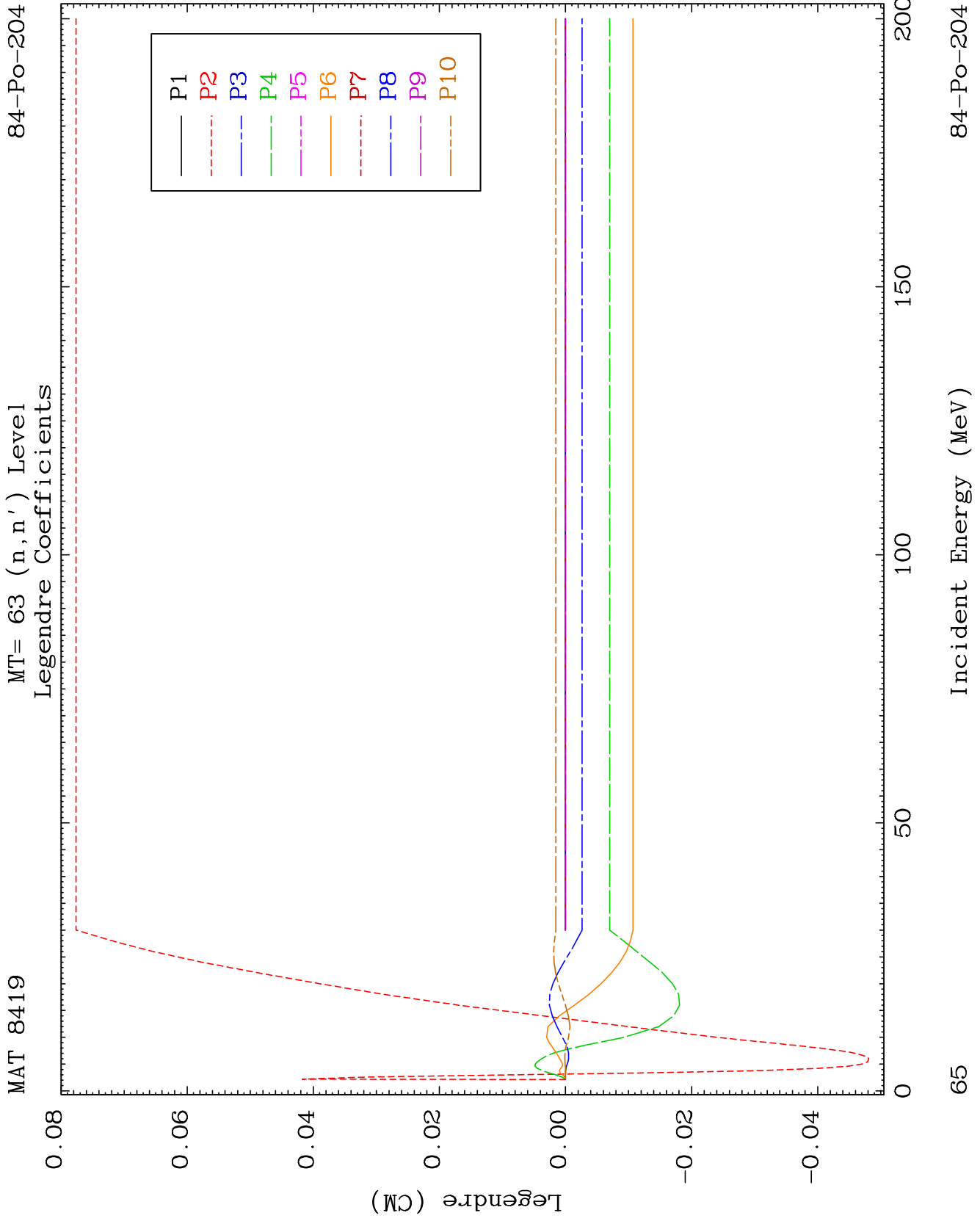
84-Po-204



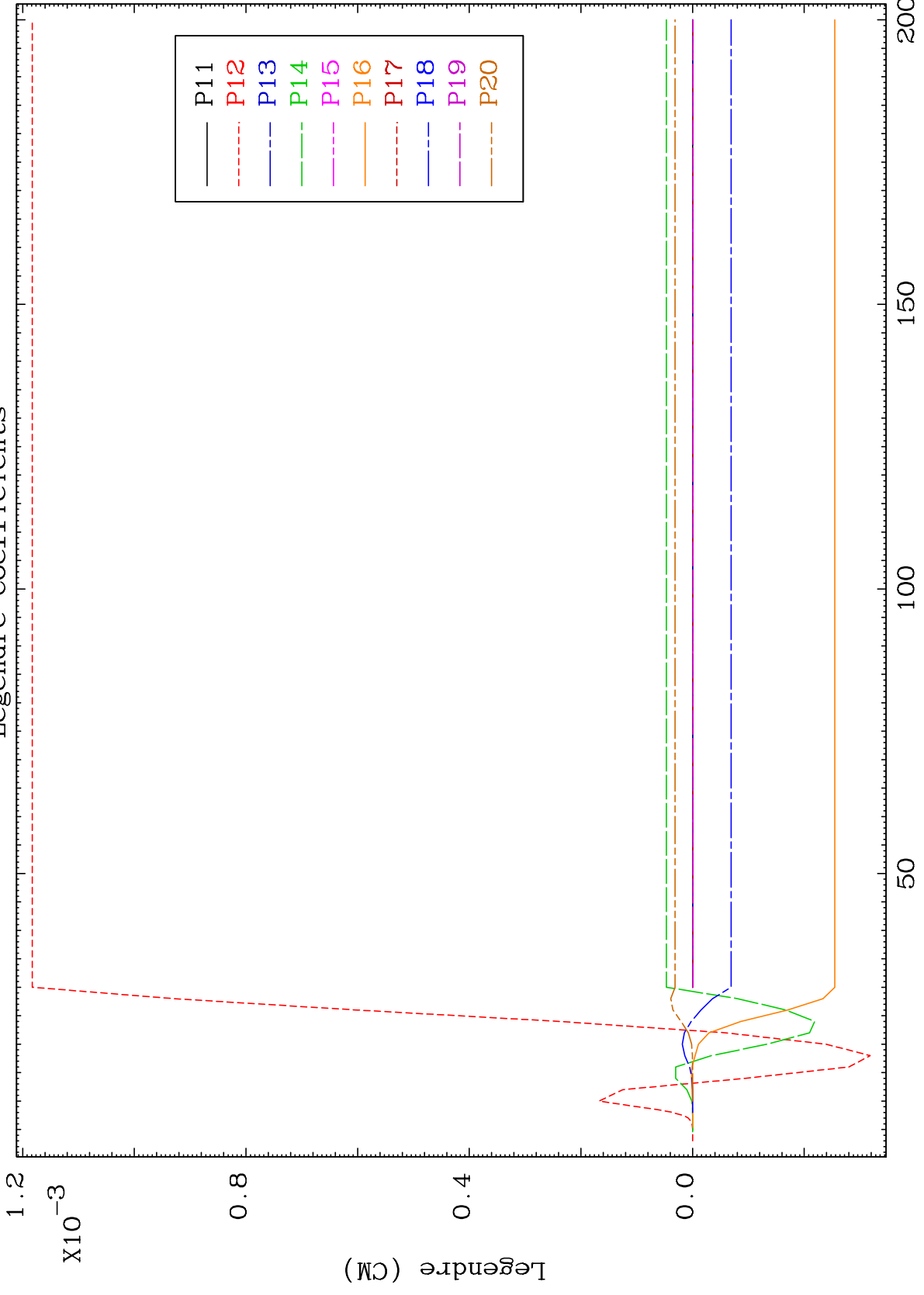
84-Po-204

Incident Energy (MeV)

64



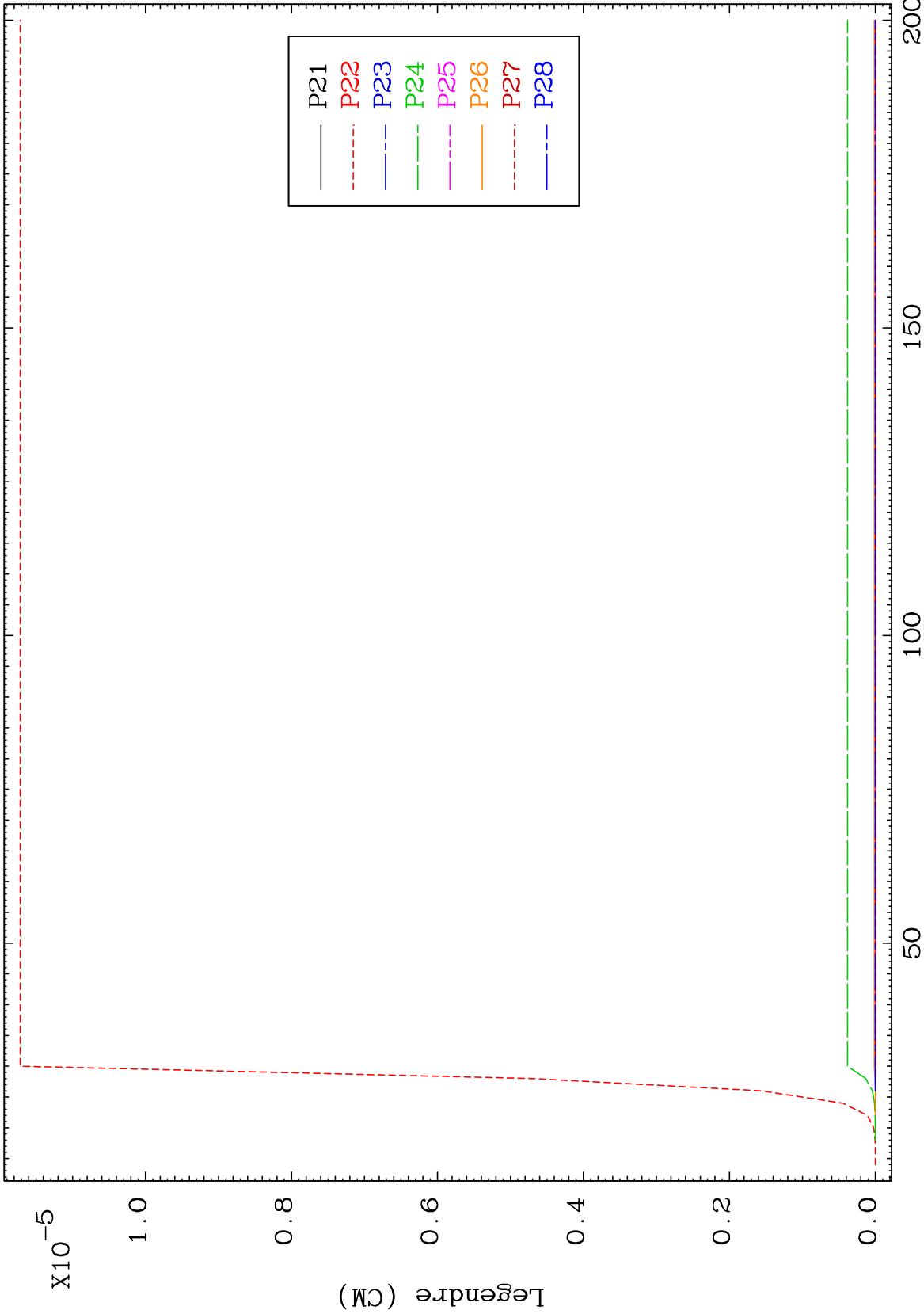
MAT 8419 MT= 63 (n,n') Level Legendre Coefficients 84-Po-204



MAT 8419

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

84-Po-204



67

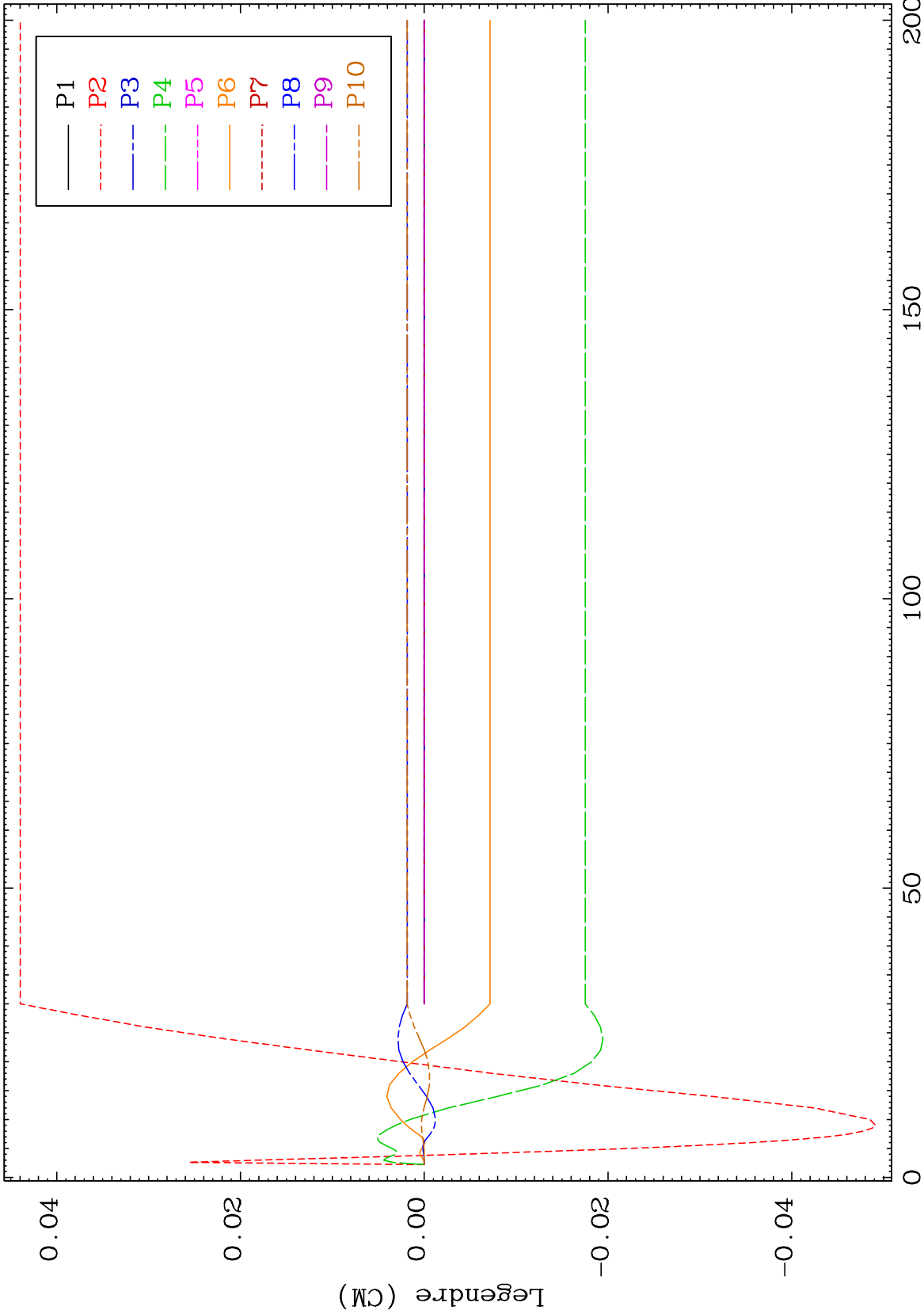
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



68

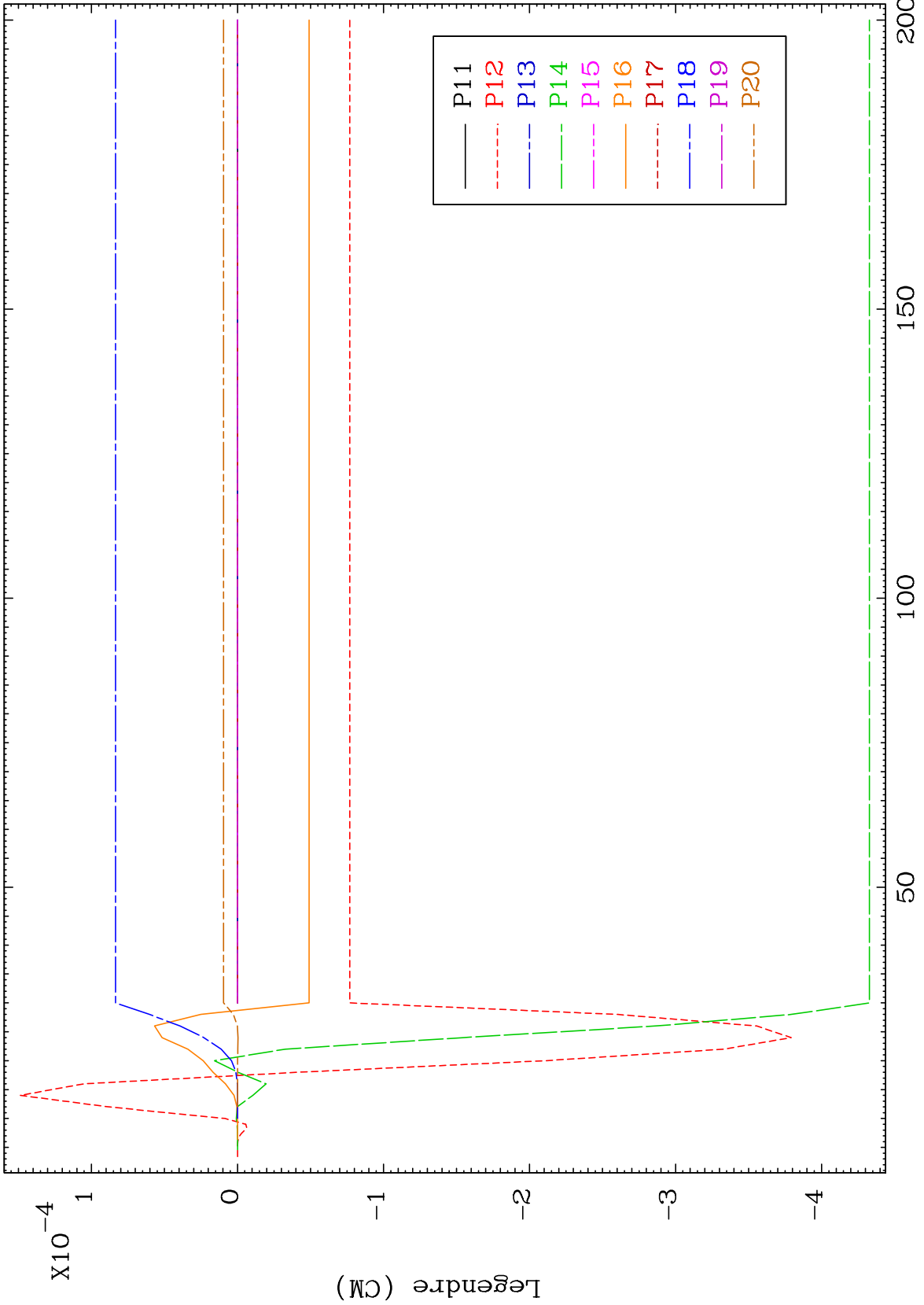
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



69

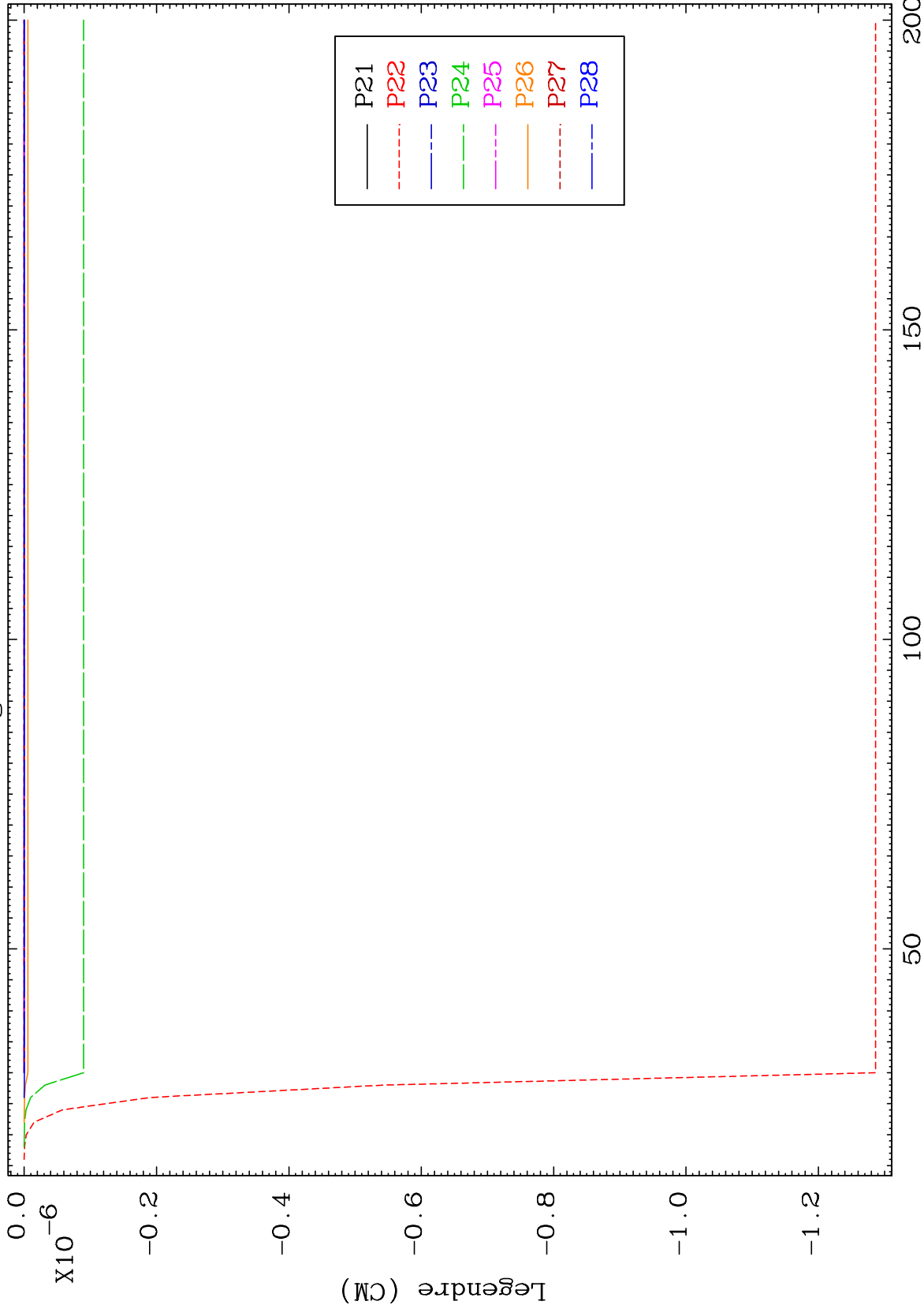
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



84-Po-204

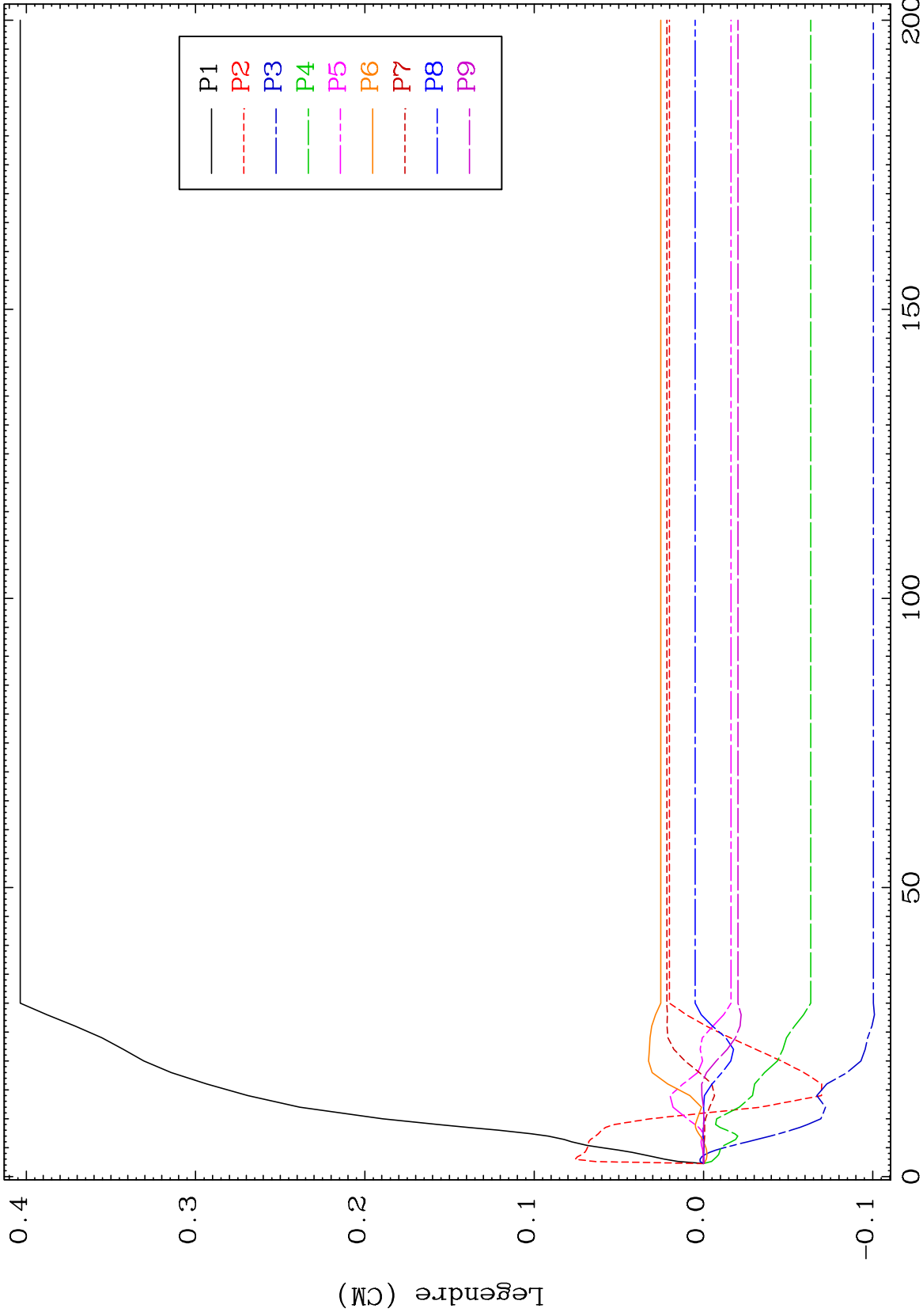
Incident Energy (MeV)

70

MAT 8419

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

84-Po-204



71

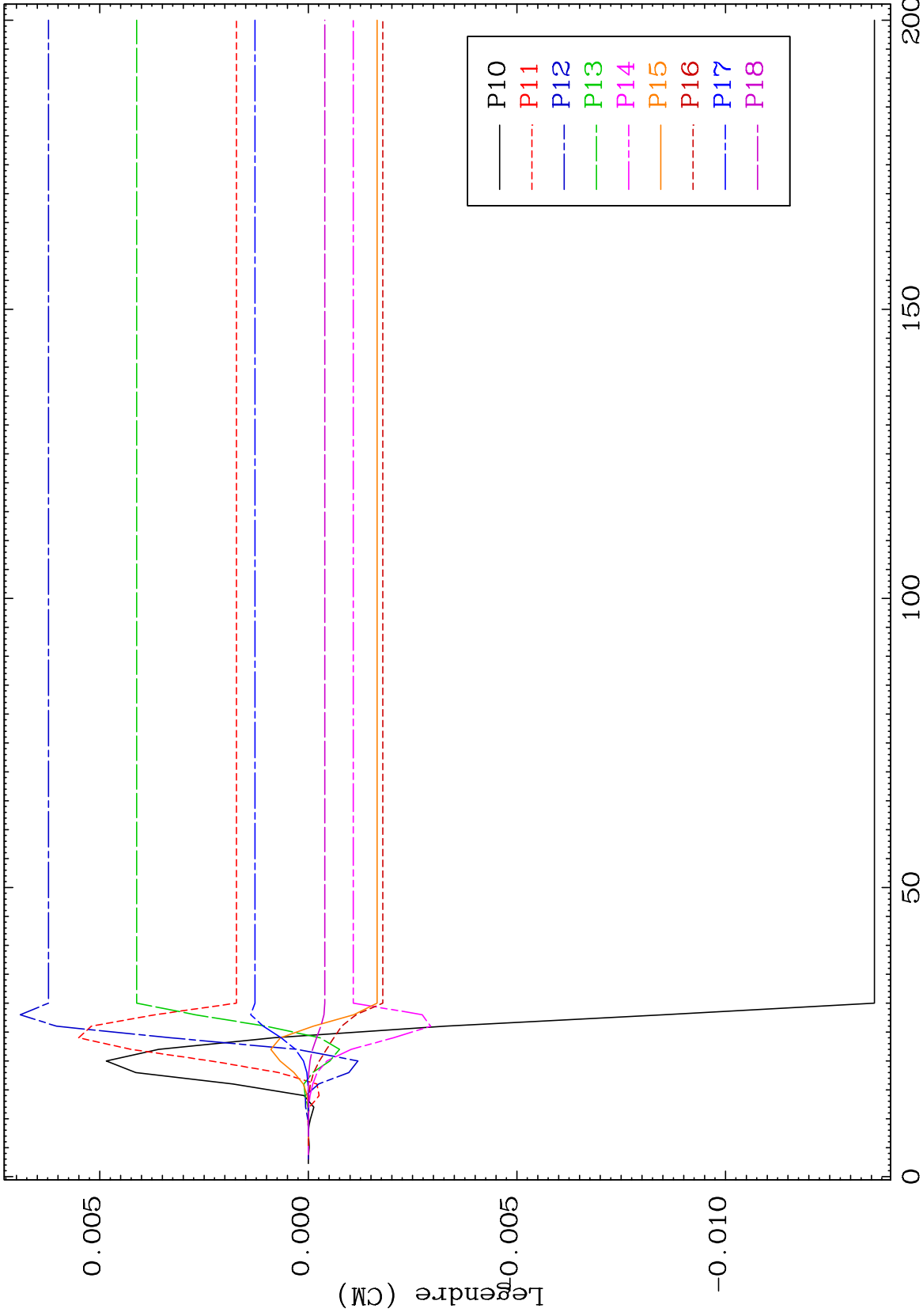
84-Po-204



MAT 8419

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

84-Po-204



72

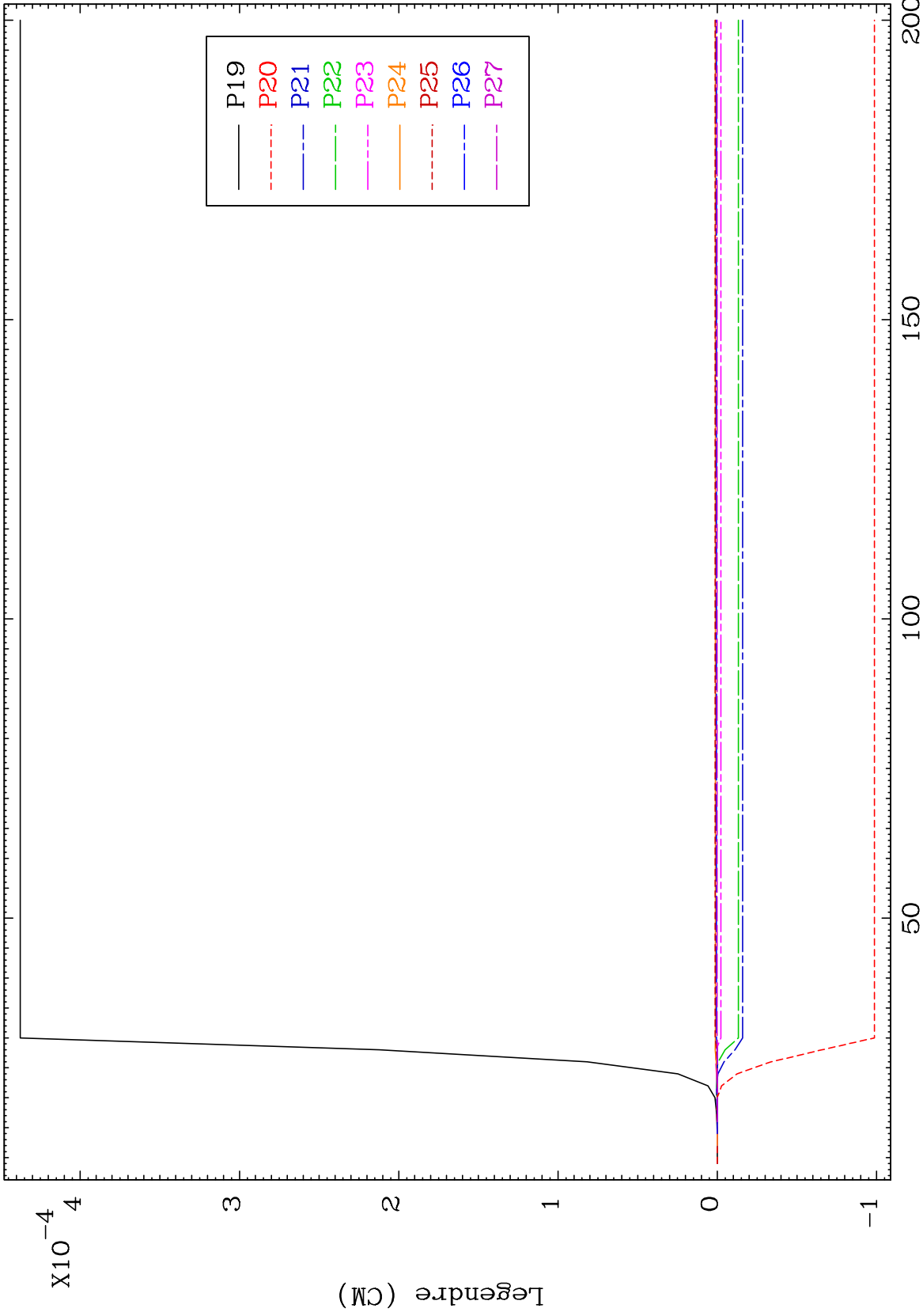
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



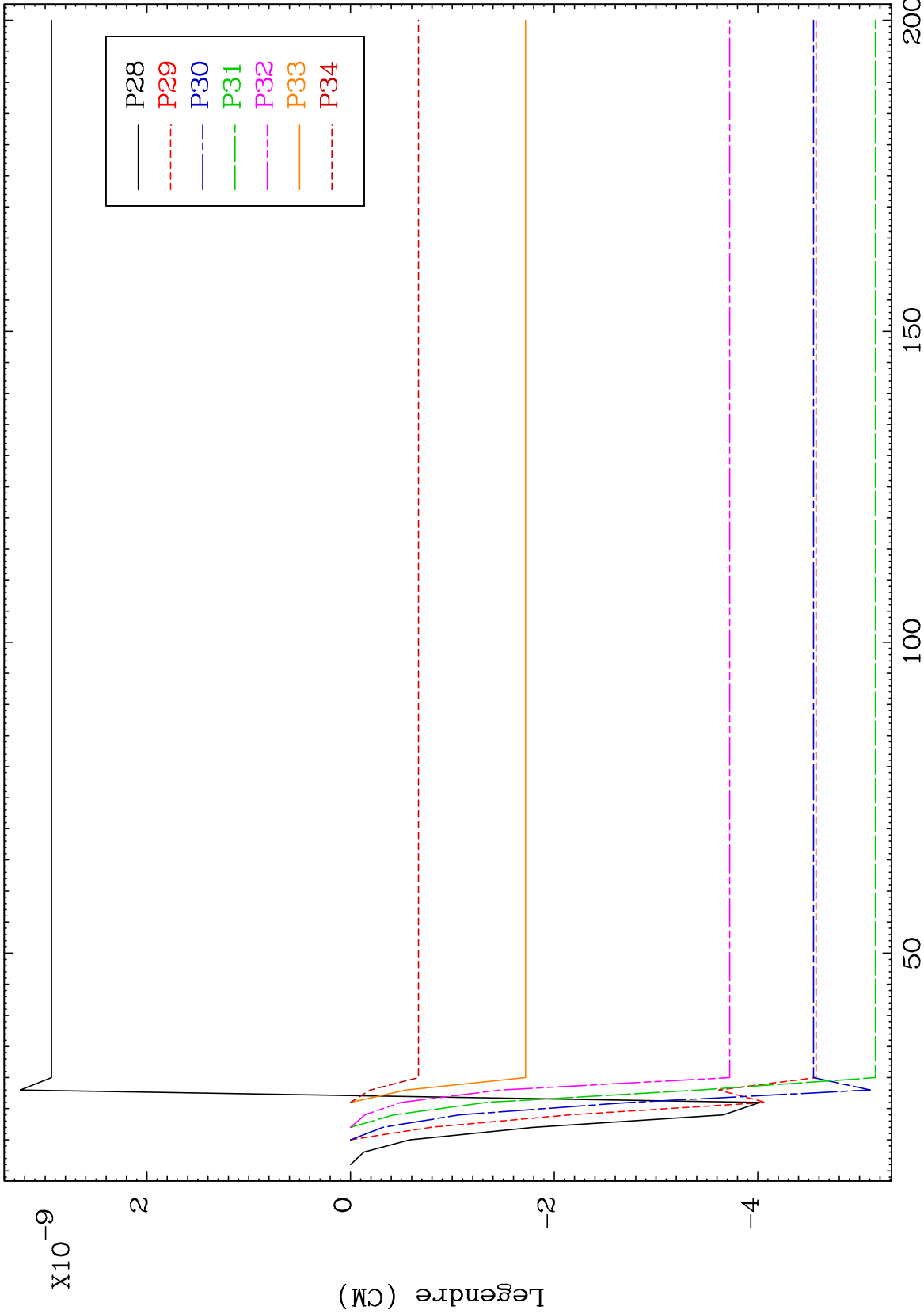
73

84-Po-204

MAT 8419

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

84-Po-204



74

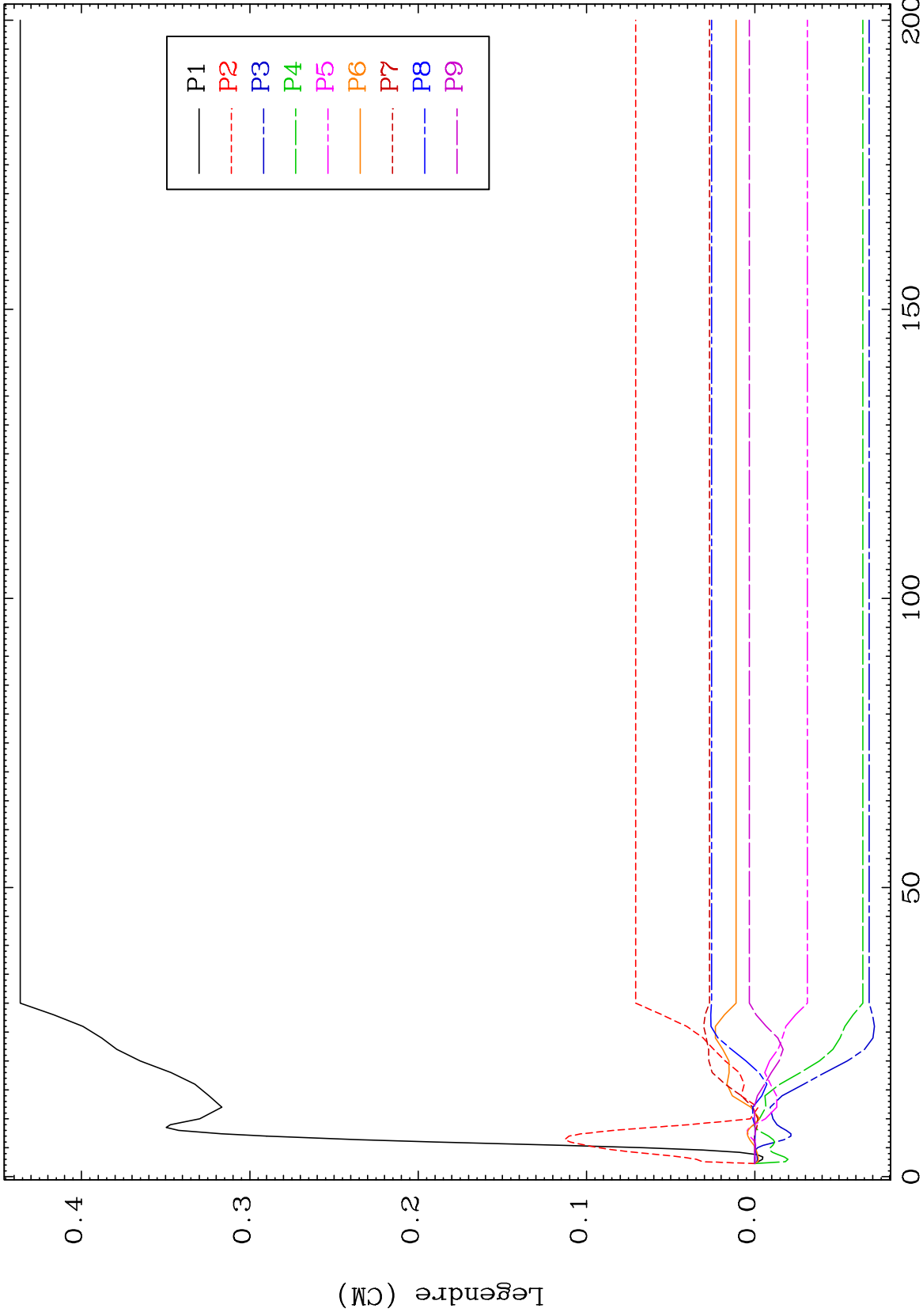
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



75

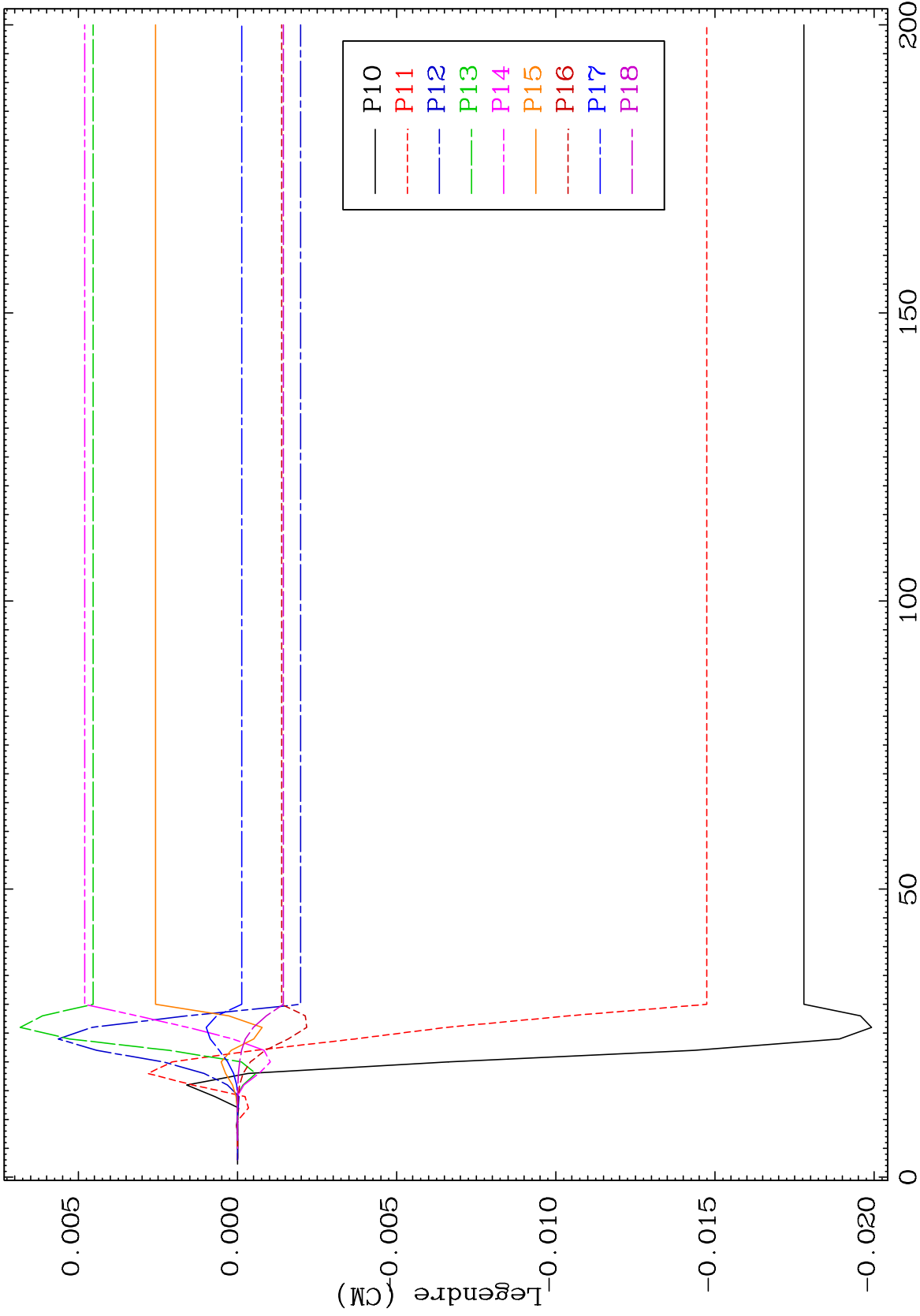
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



76

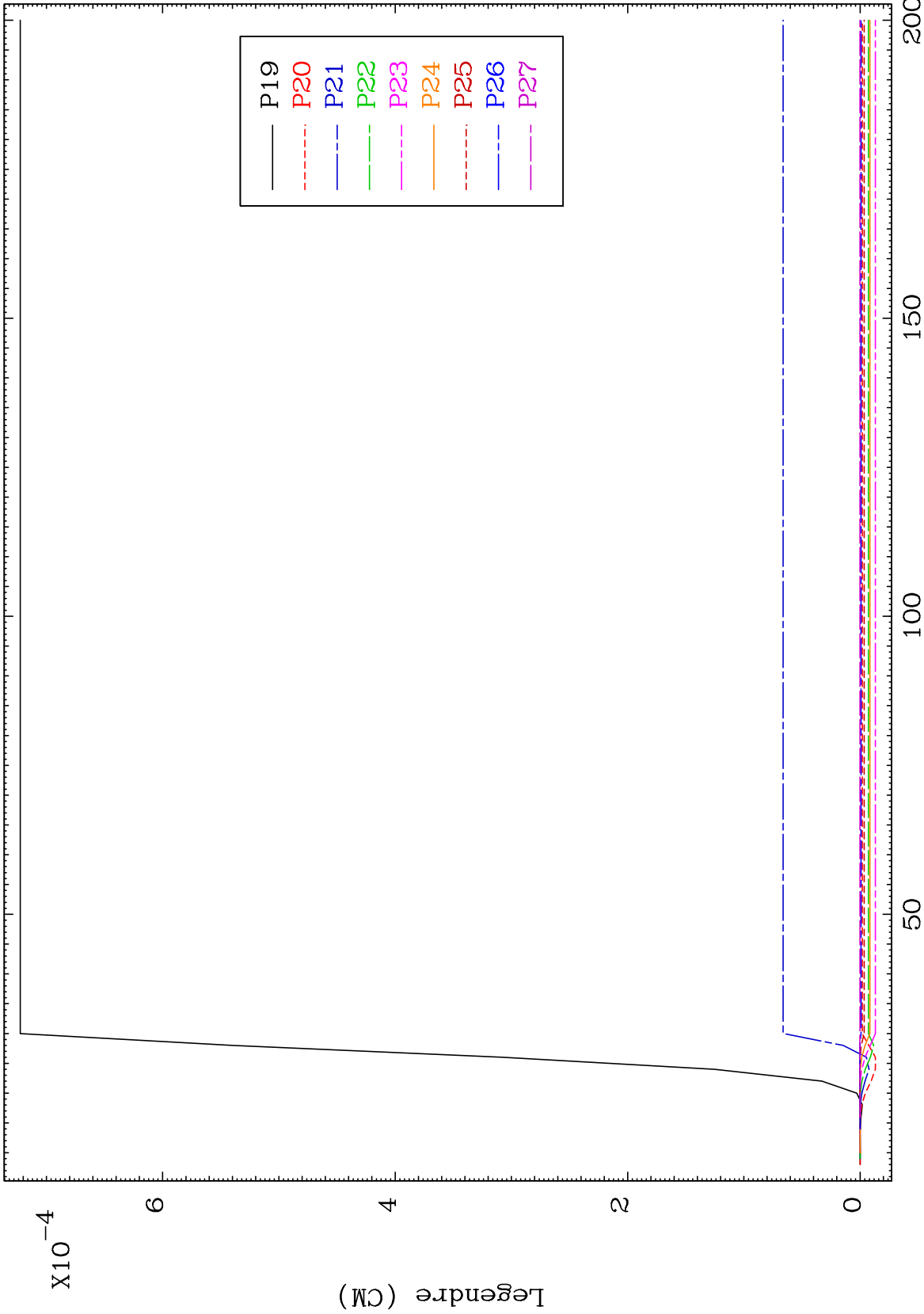
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



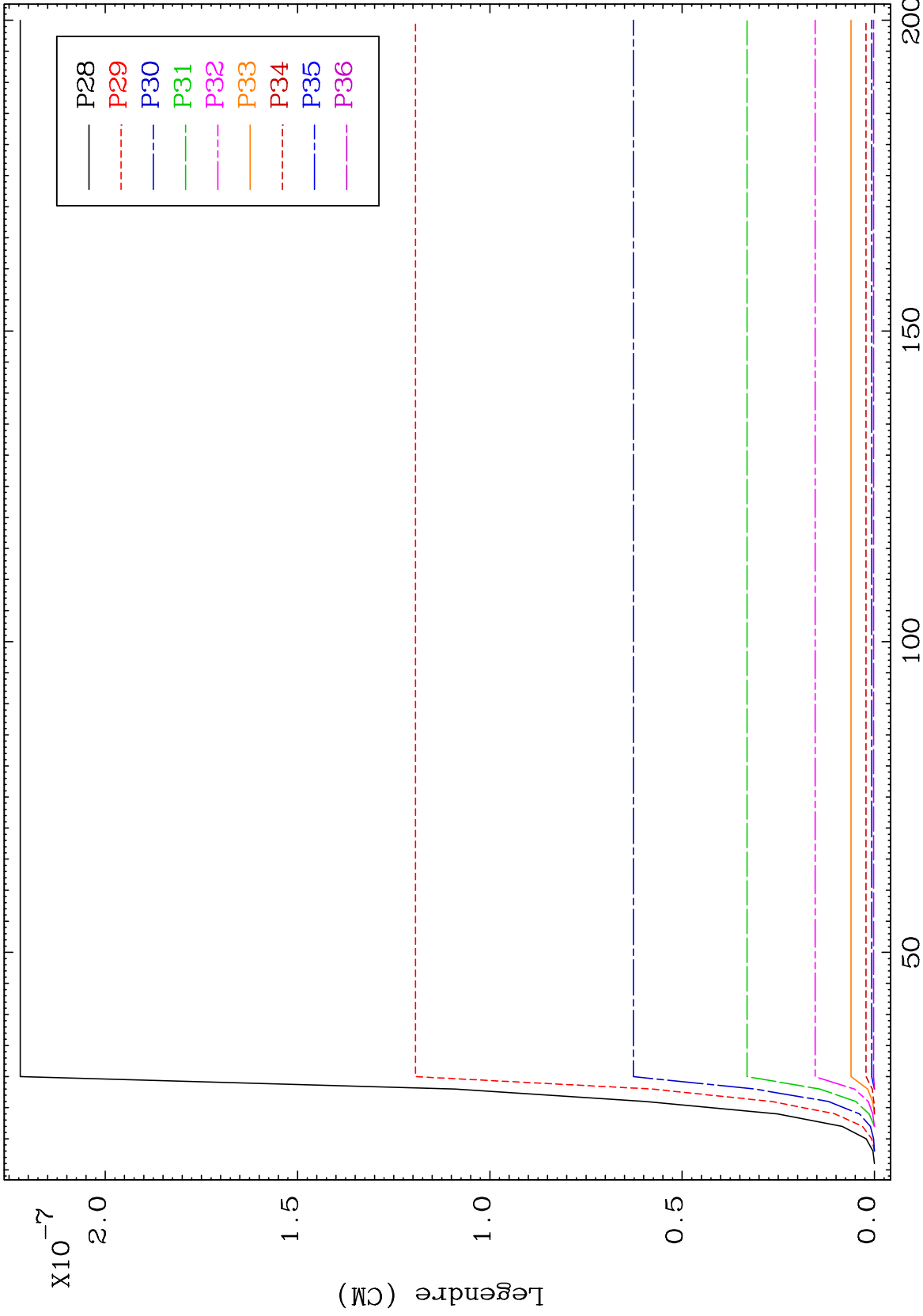
77

84-Po-204

MAT 8419

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

84-Po-204



78

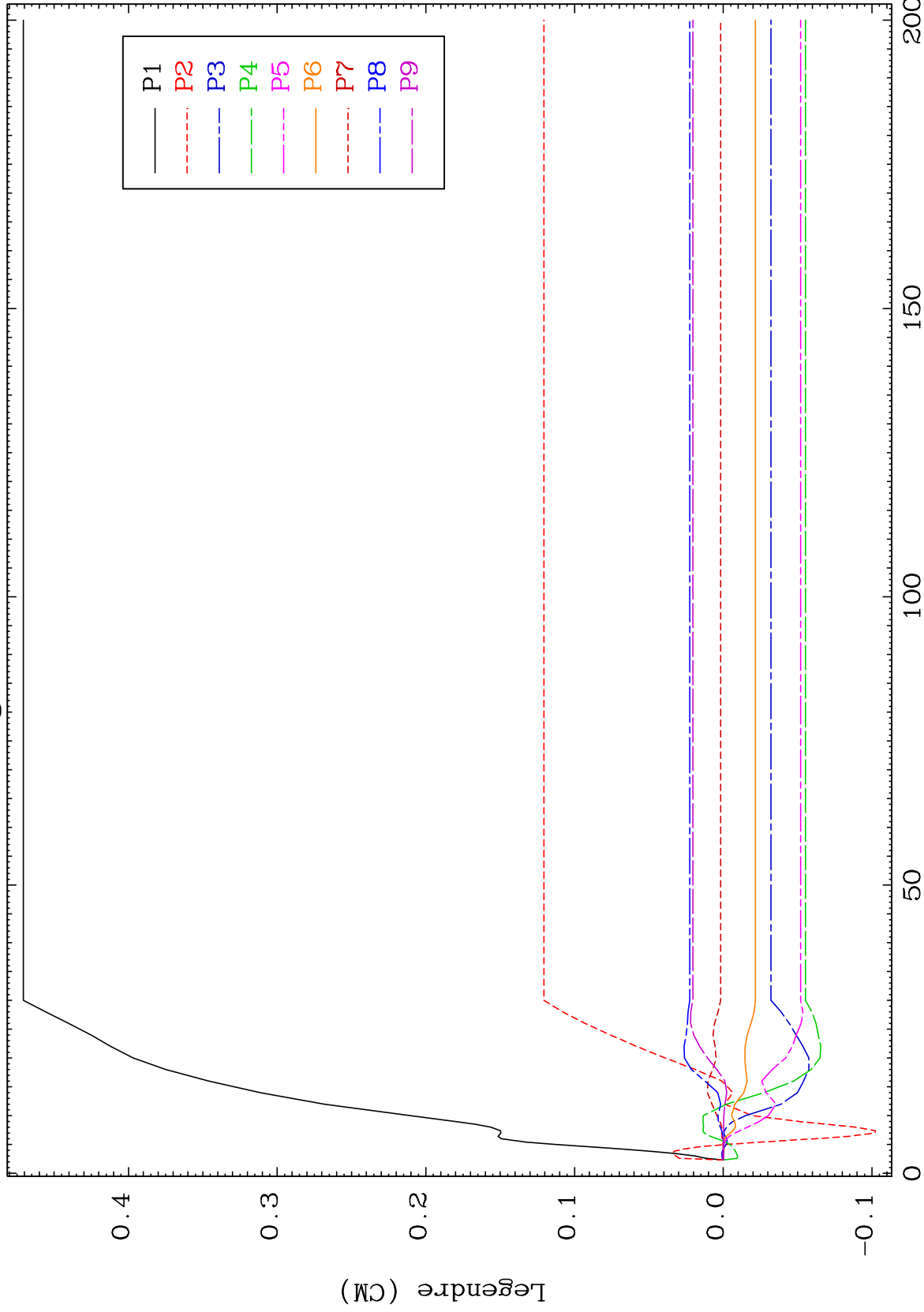
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



79

Incident Energy (MeV)

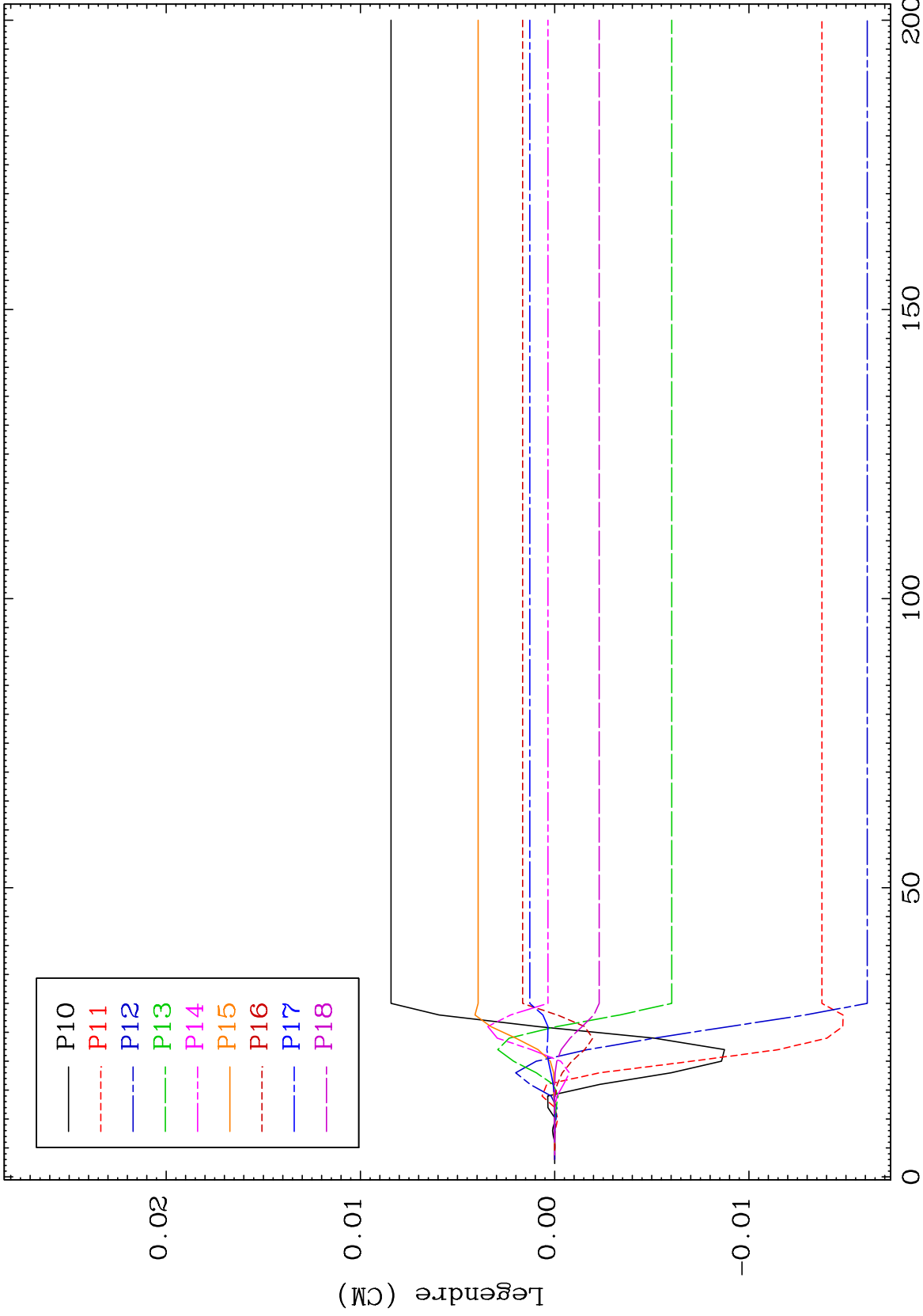
84-Po-204



MAT 8419

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

84-Po-204



80

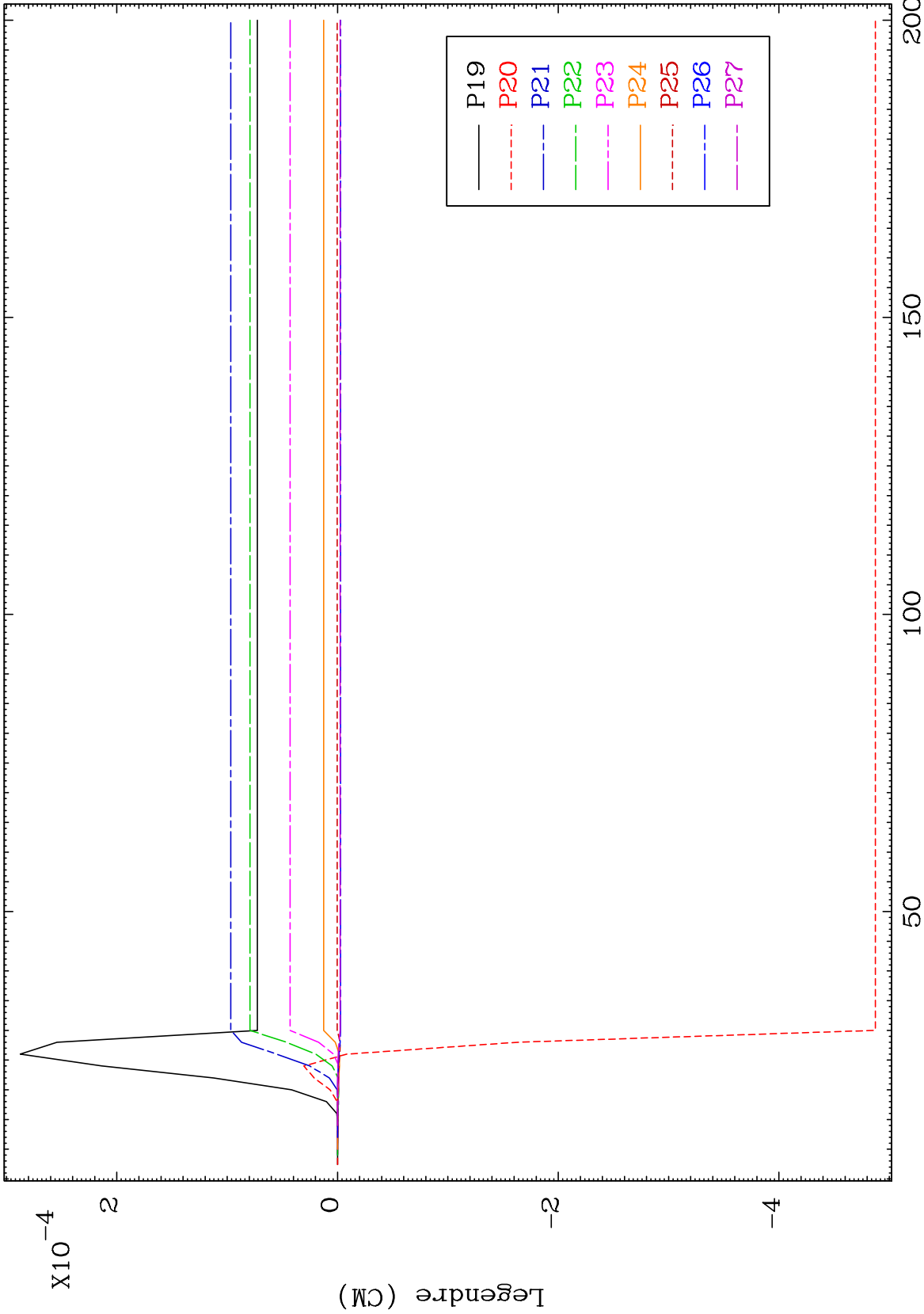
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



81

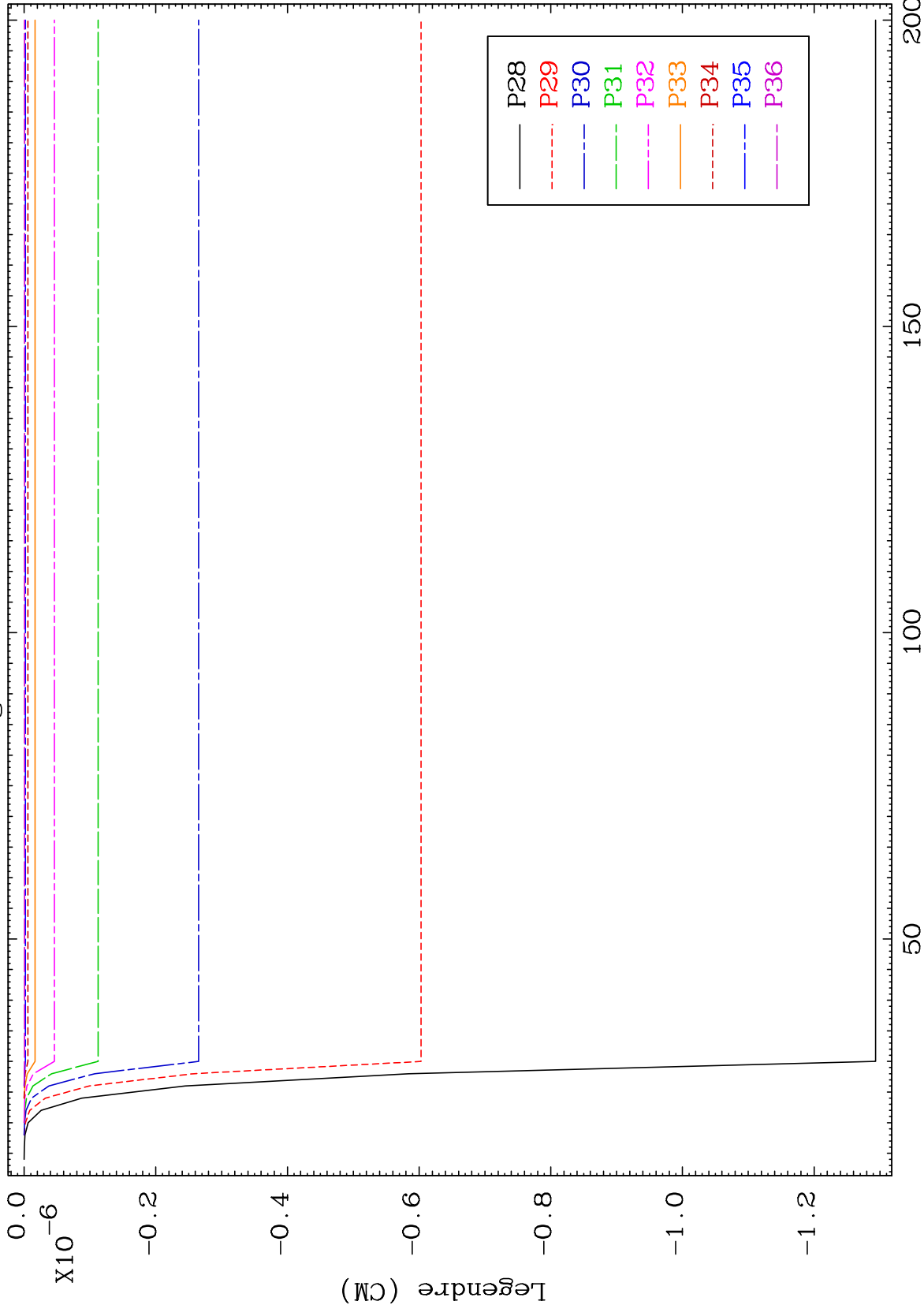
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



84-Po-204

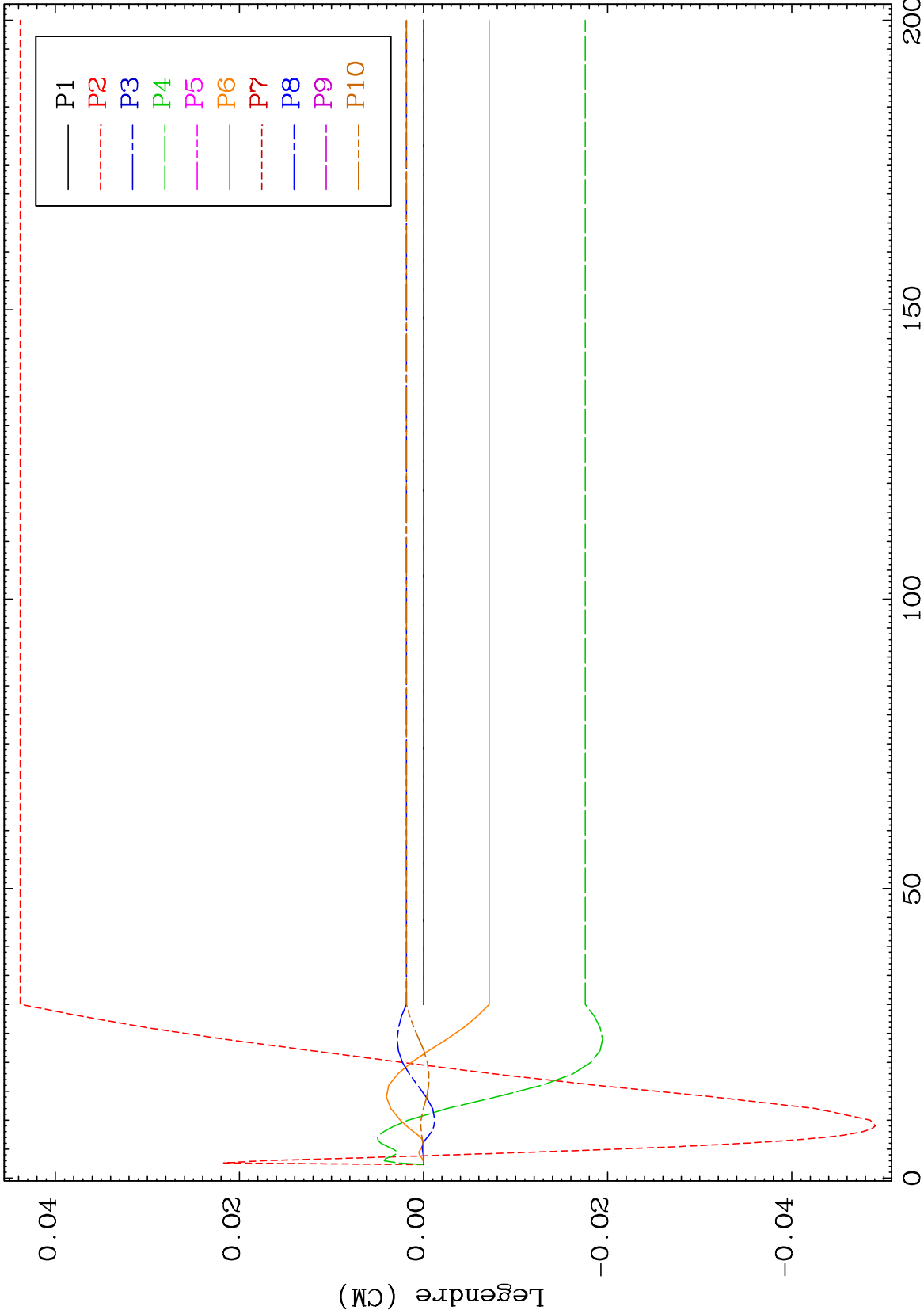
Incident Energy (MeV)

82

MAT 8419

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

84-Po-204



83

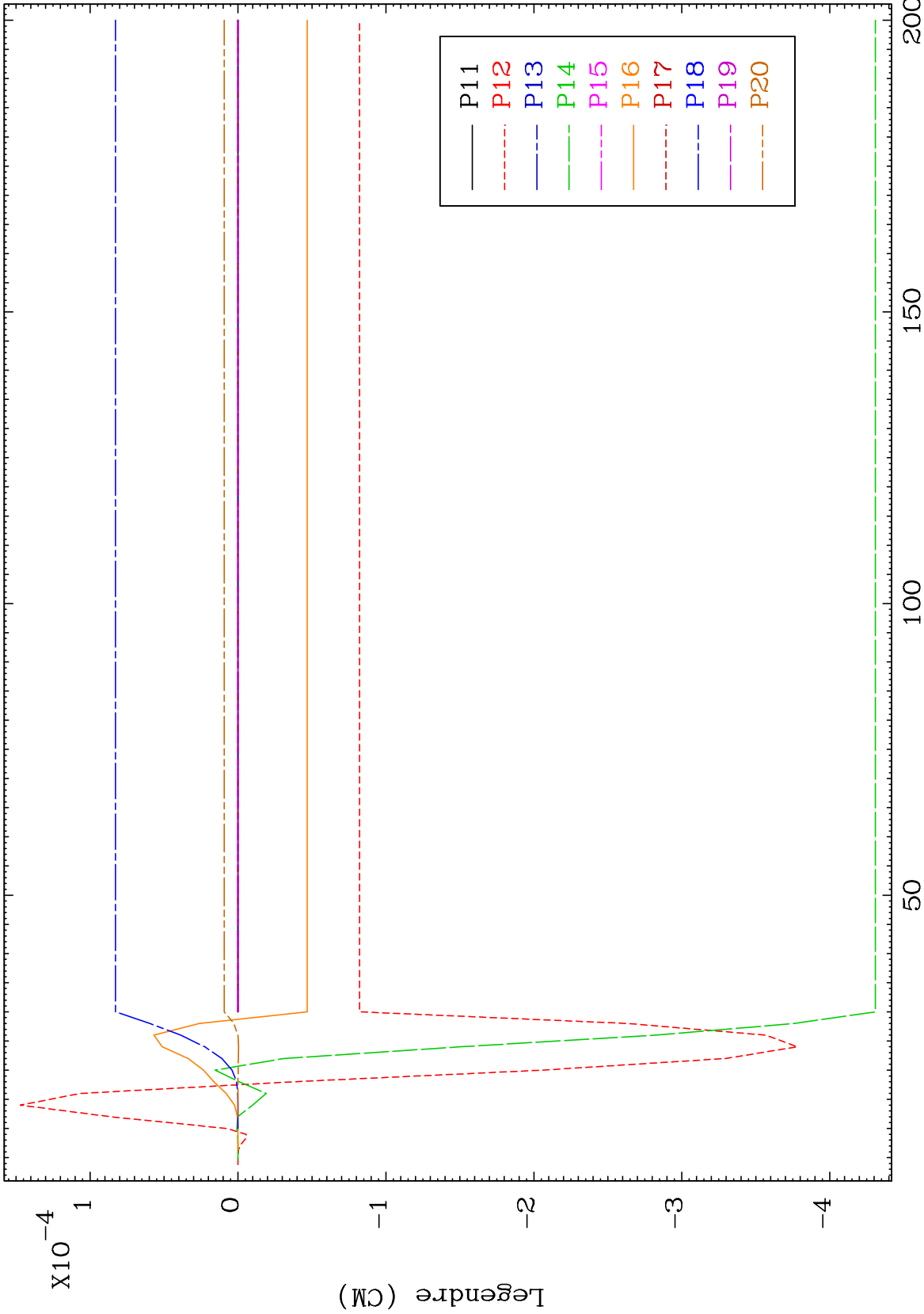
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



84

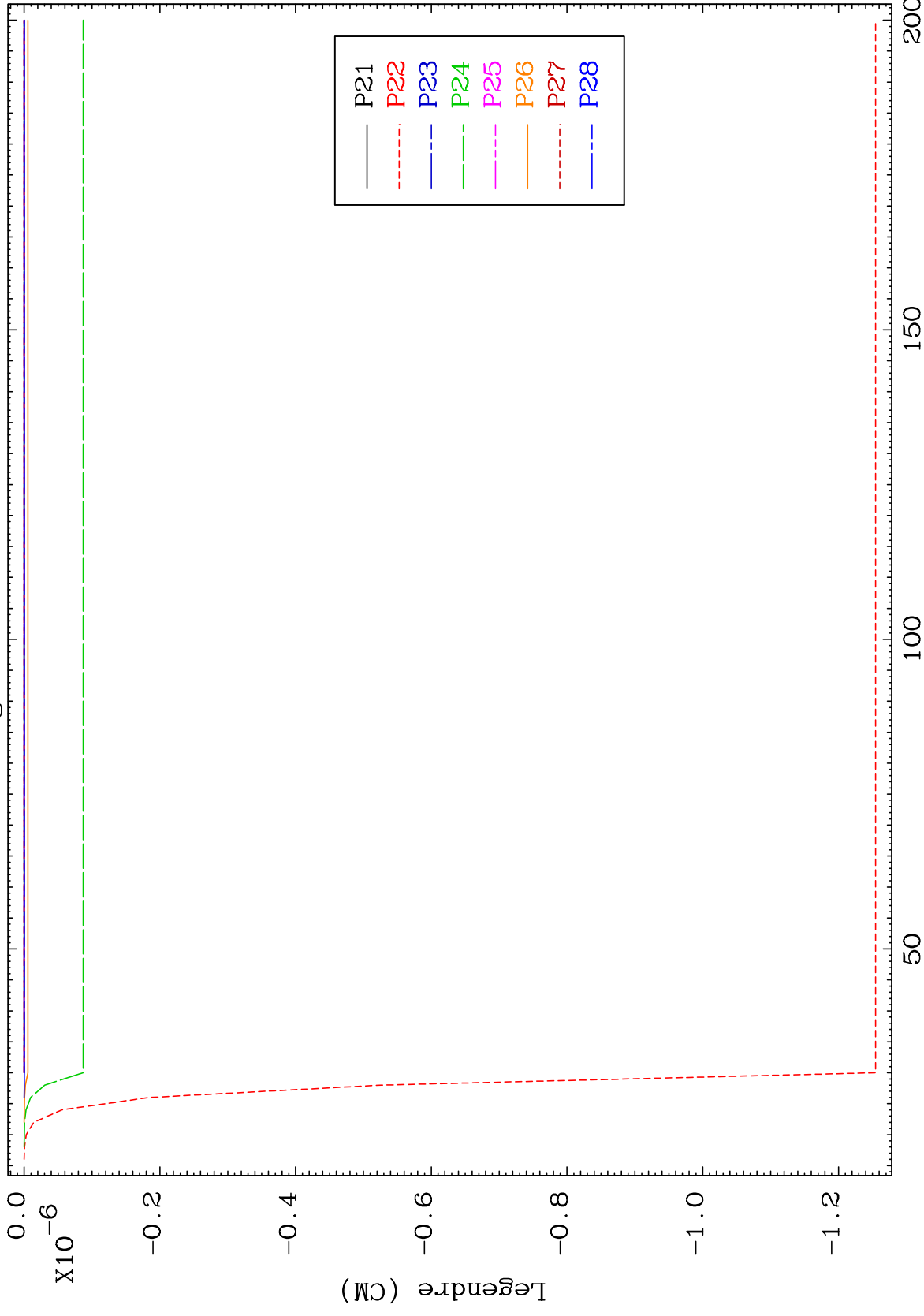
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



84-Po-204

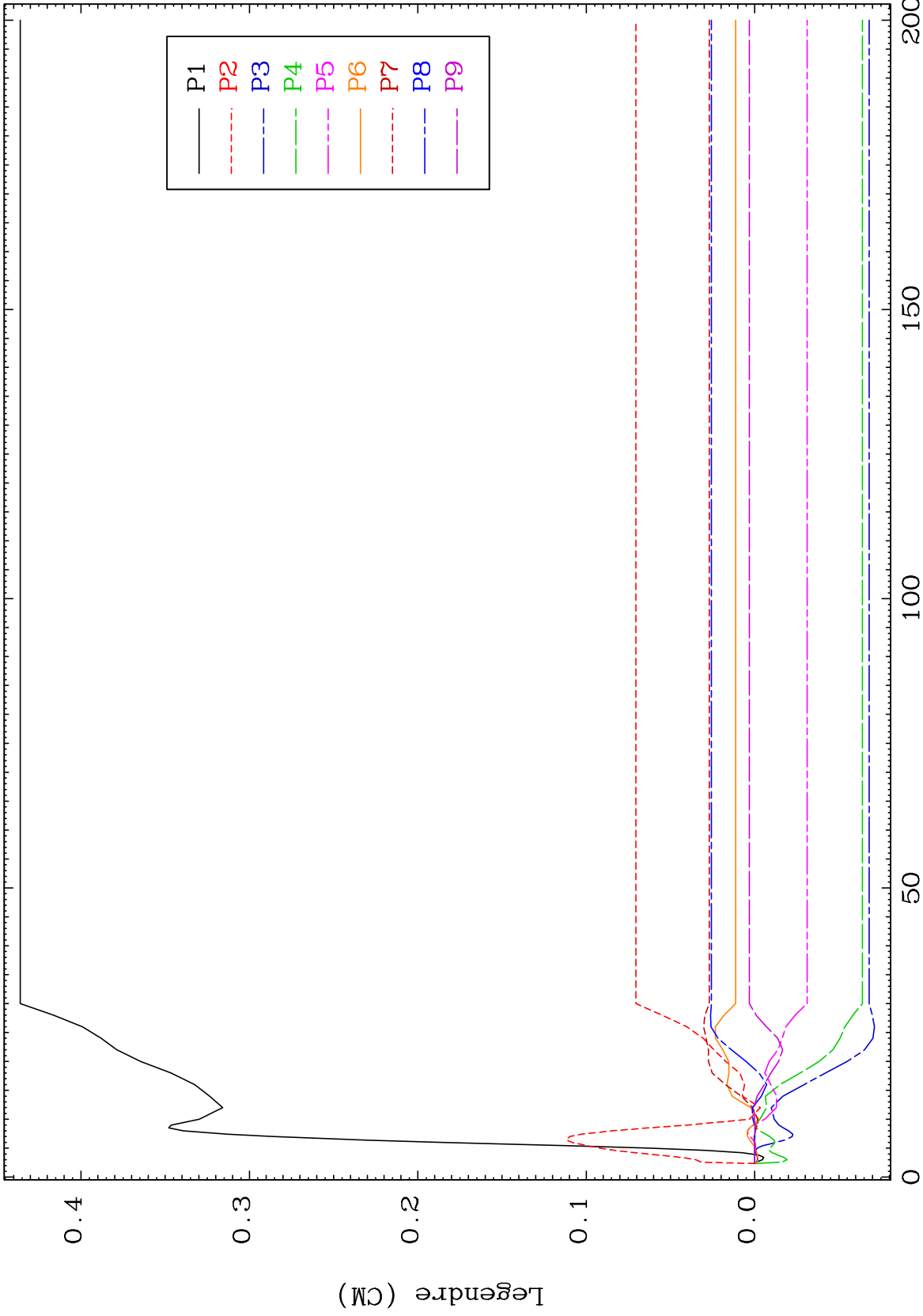
Incident Energy (MeV)

85

MAT 8419

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

84-Po-204



86

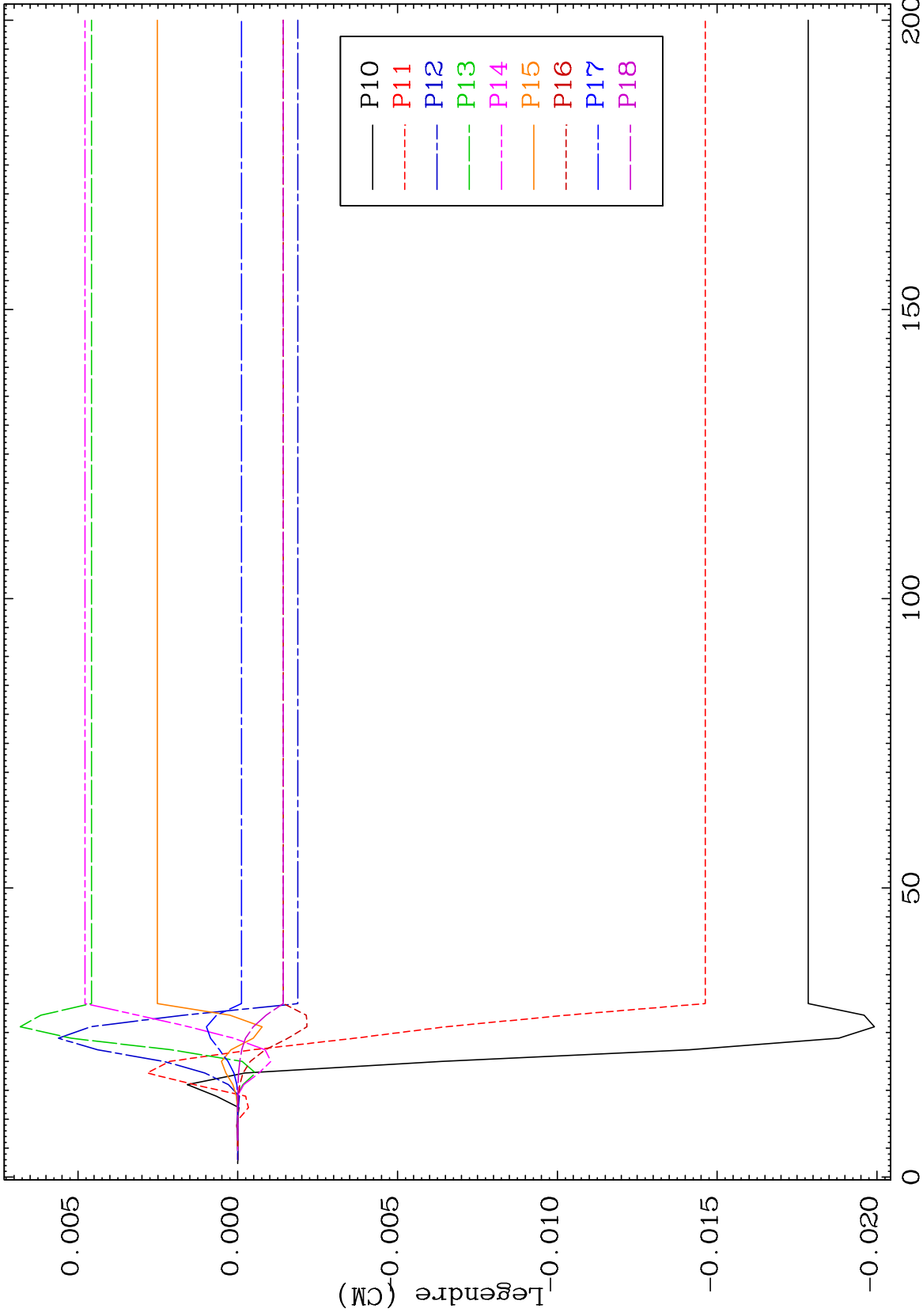
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



87

Incident Energy (MeV)

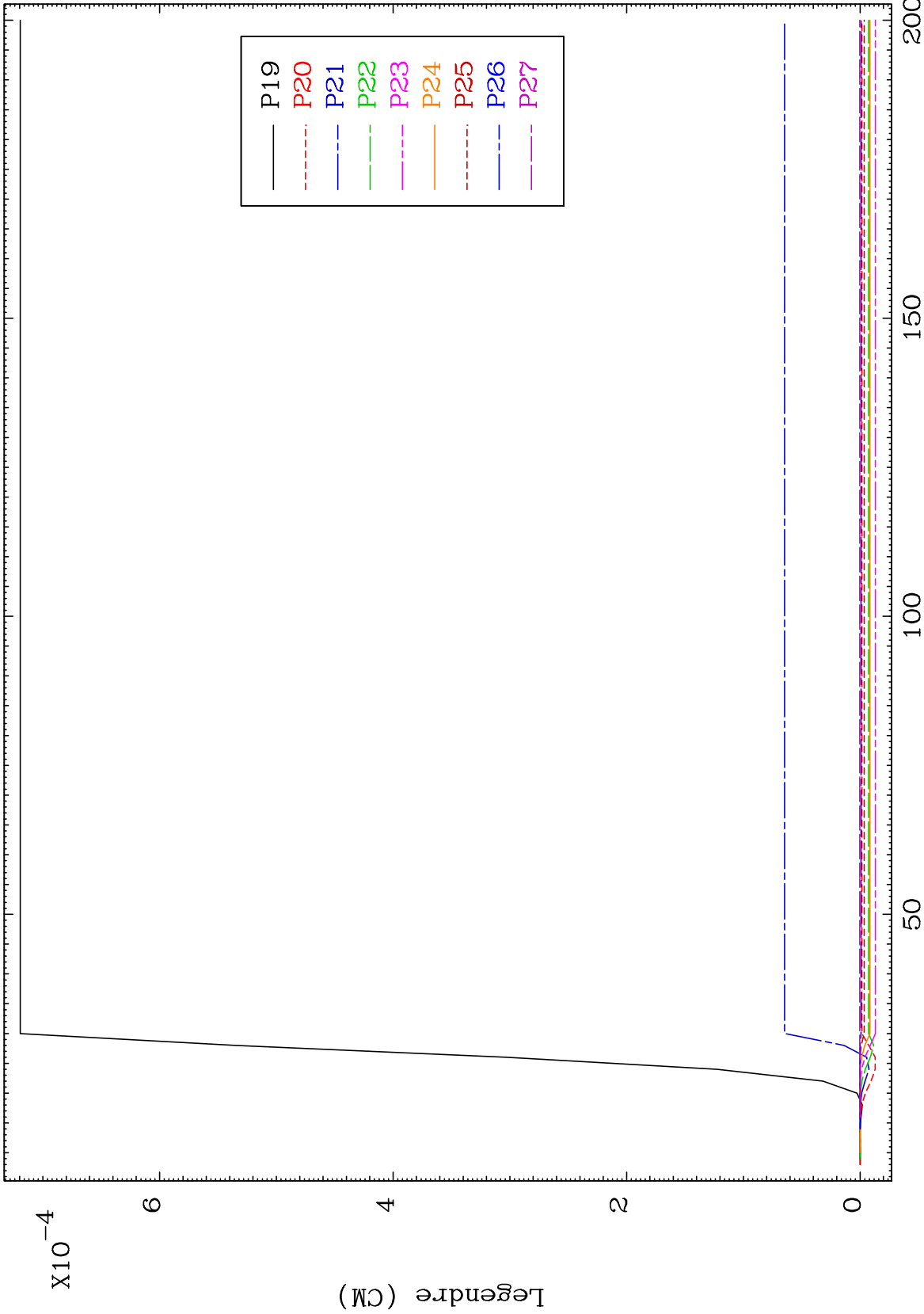
84-Po-204



MAT 8419

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

84-Po-204



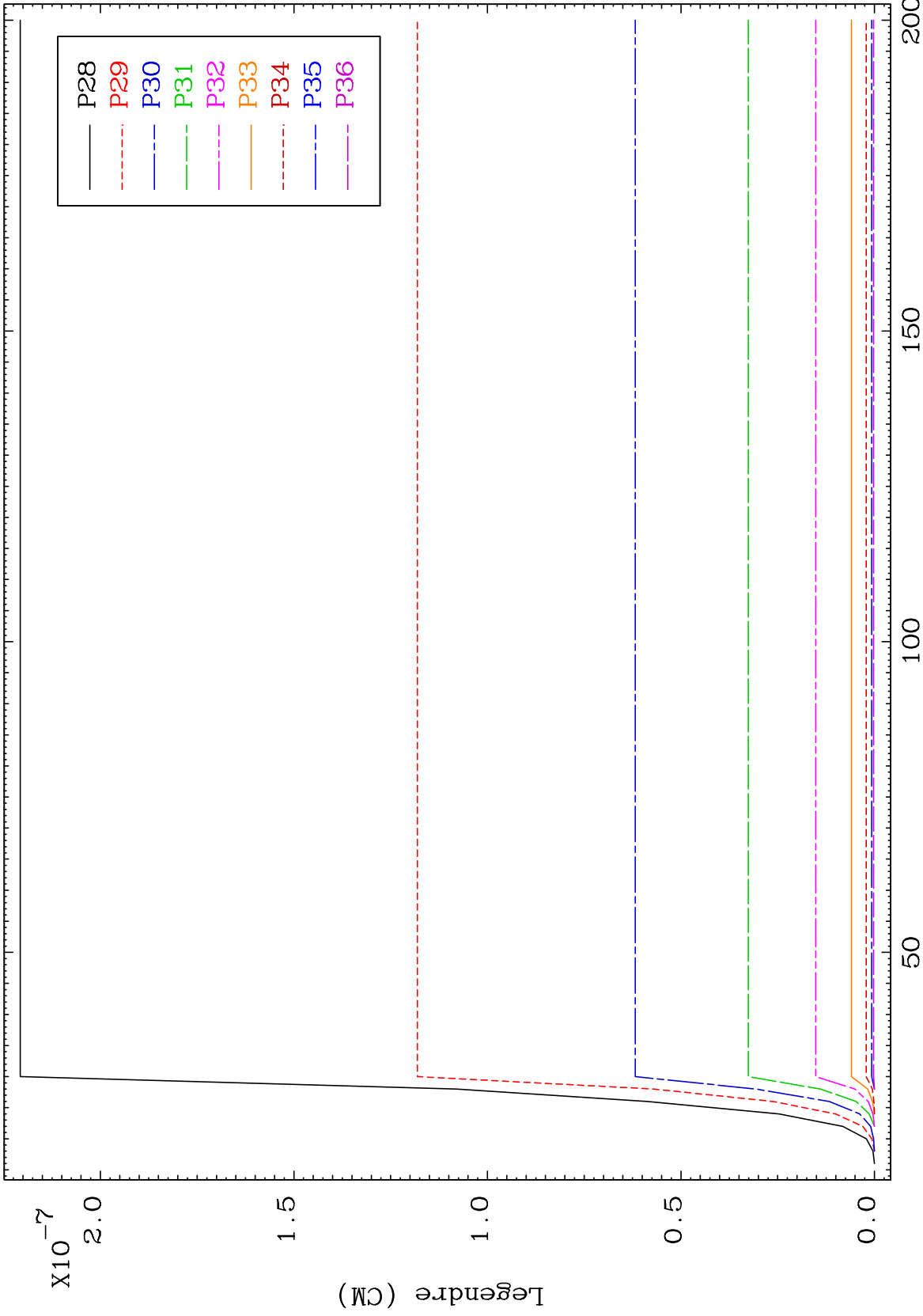
88

84-Po-204

MAT 8419

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

84-Po-204



89

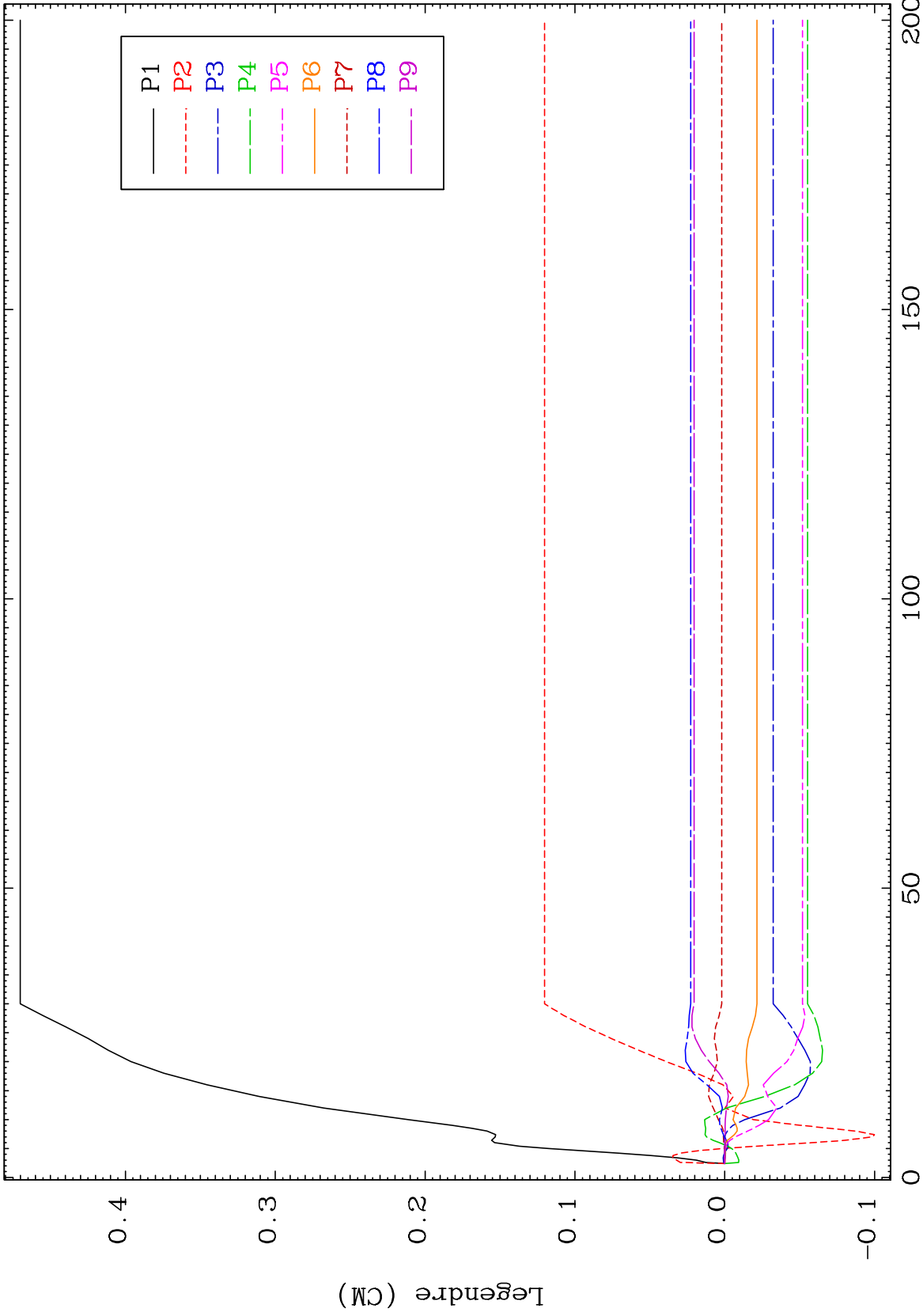
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



90

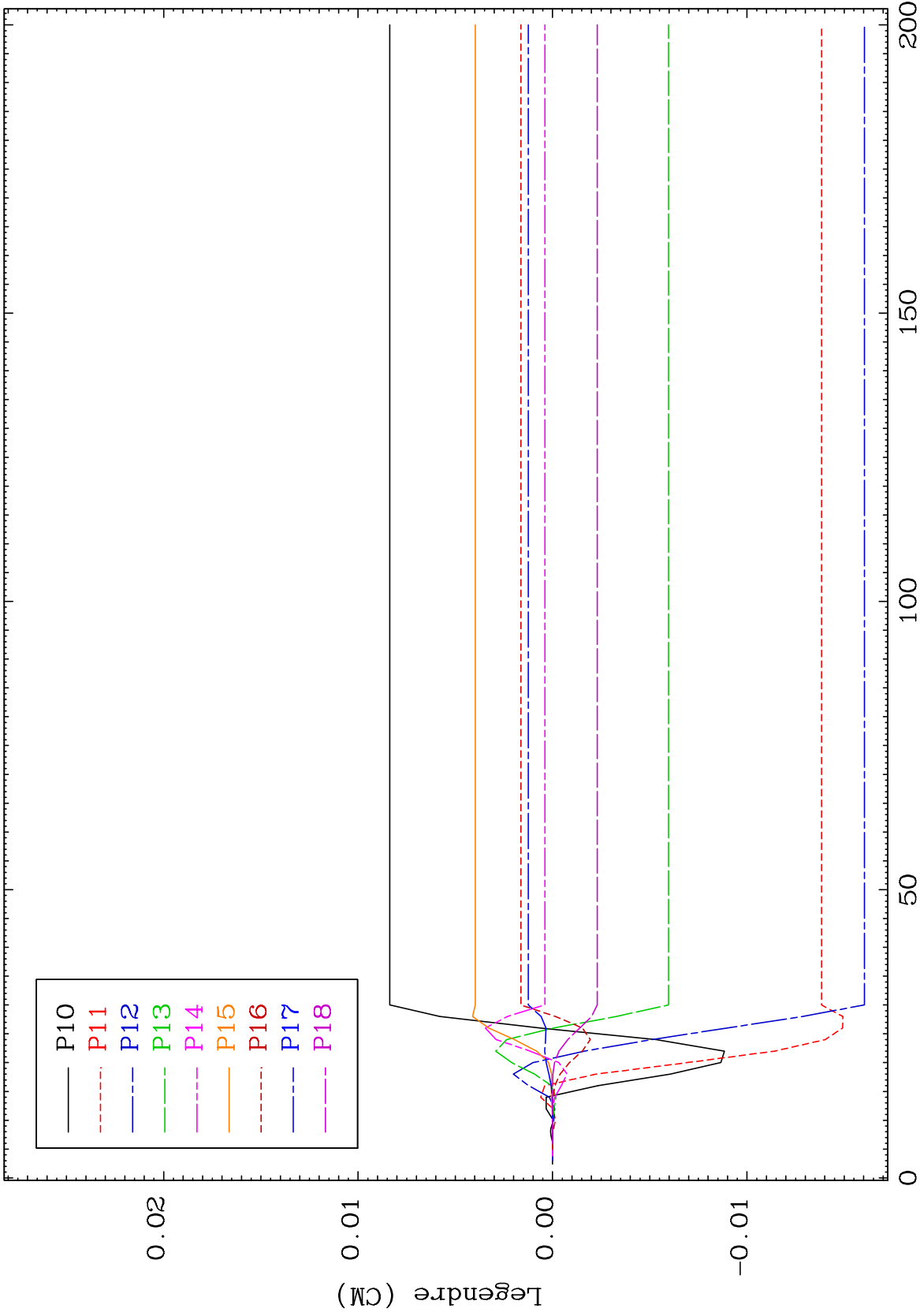
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



91

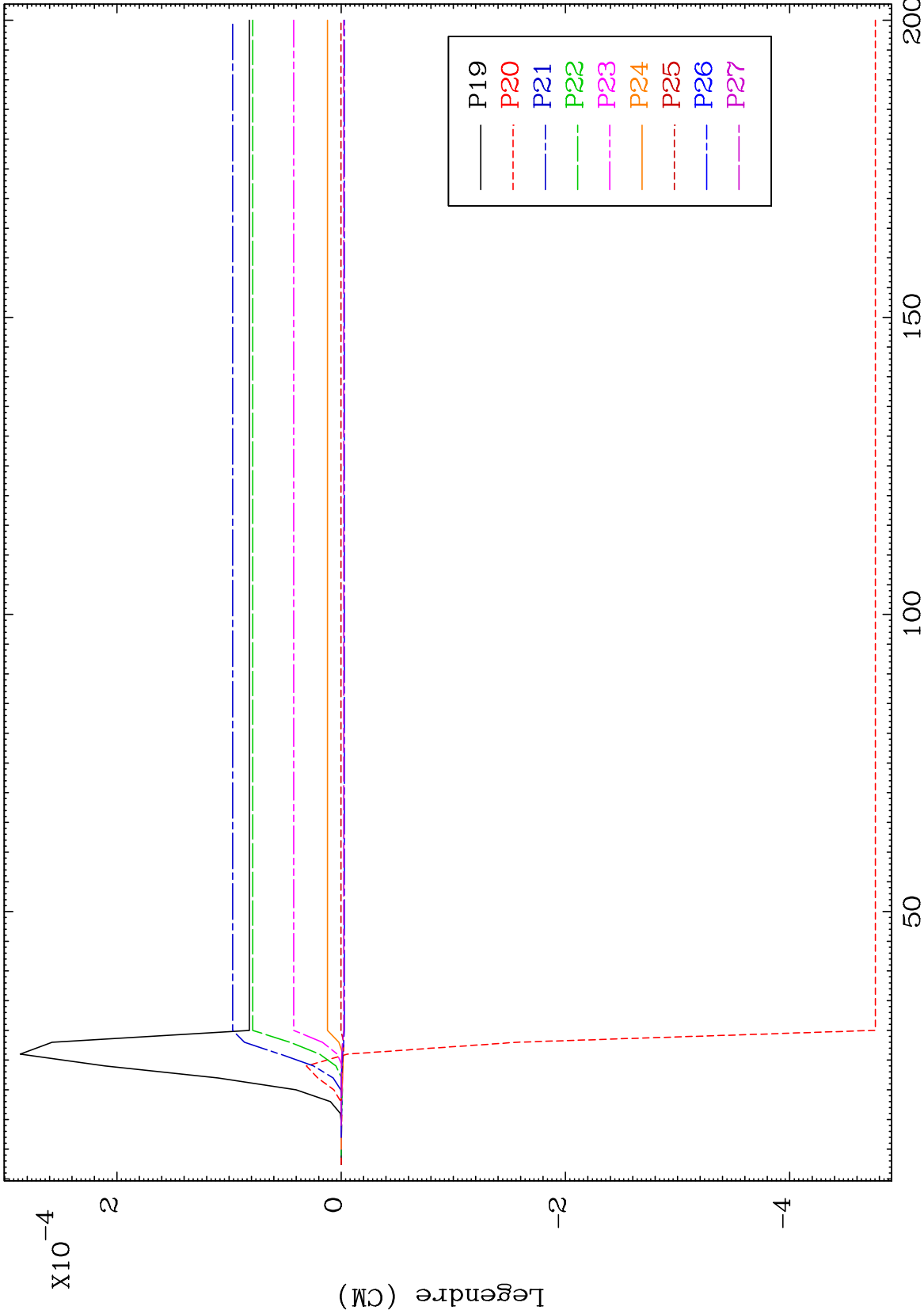
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



92

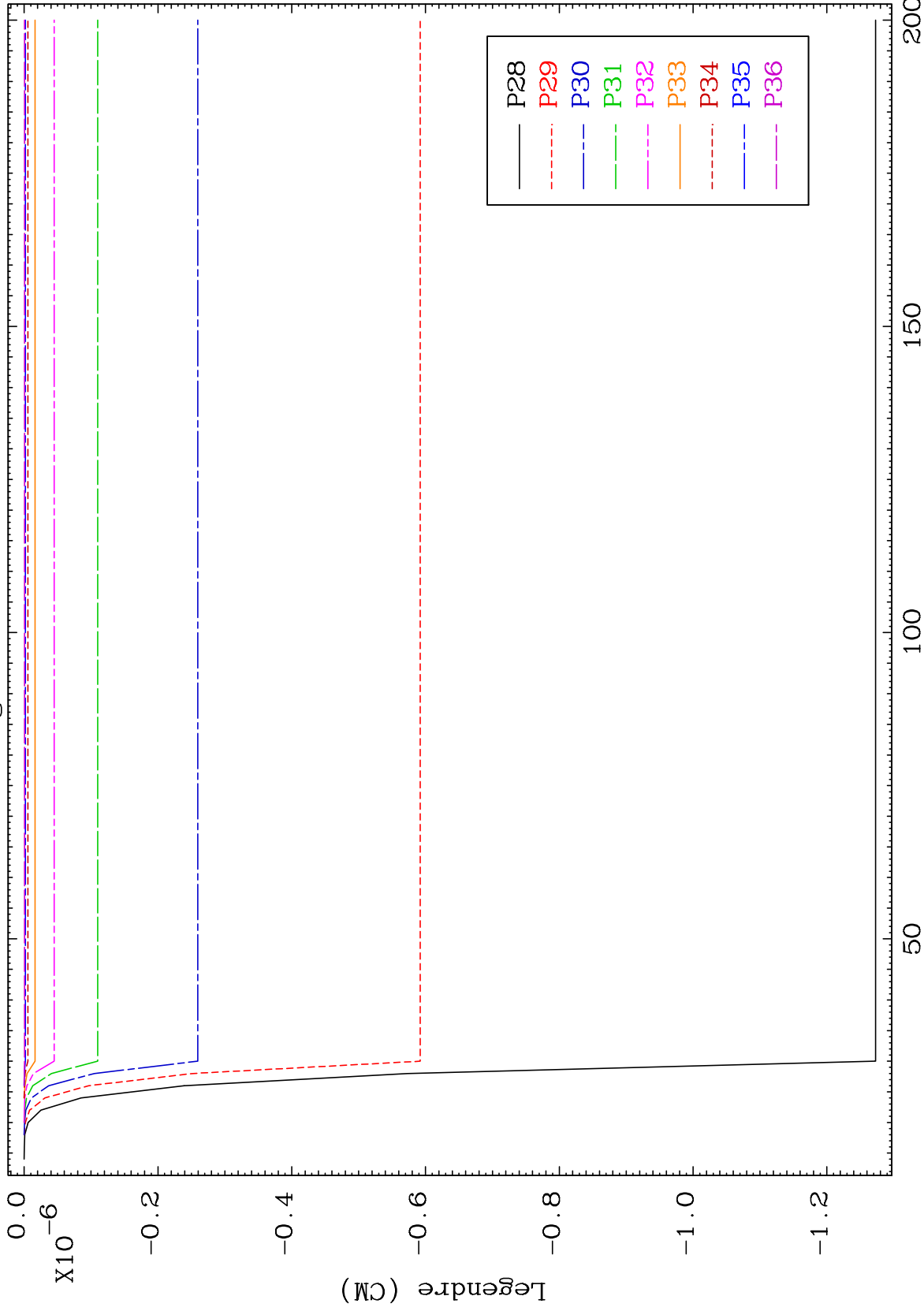
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



84-Po-204

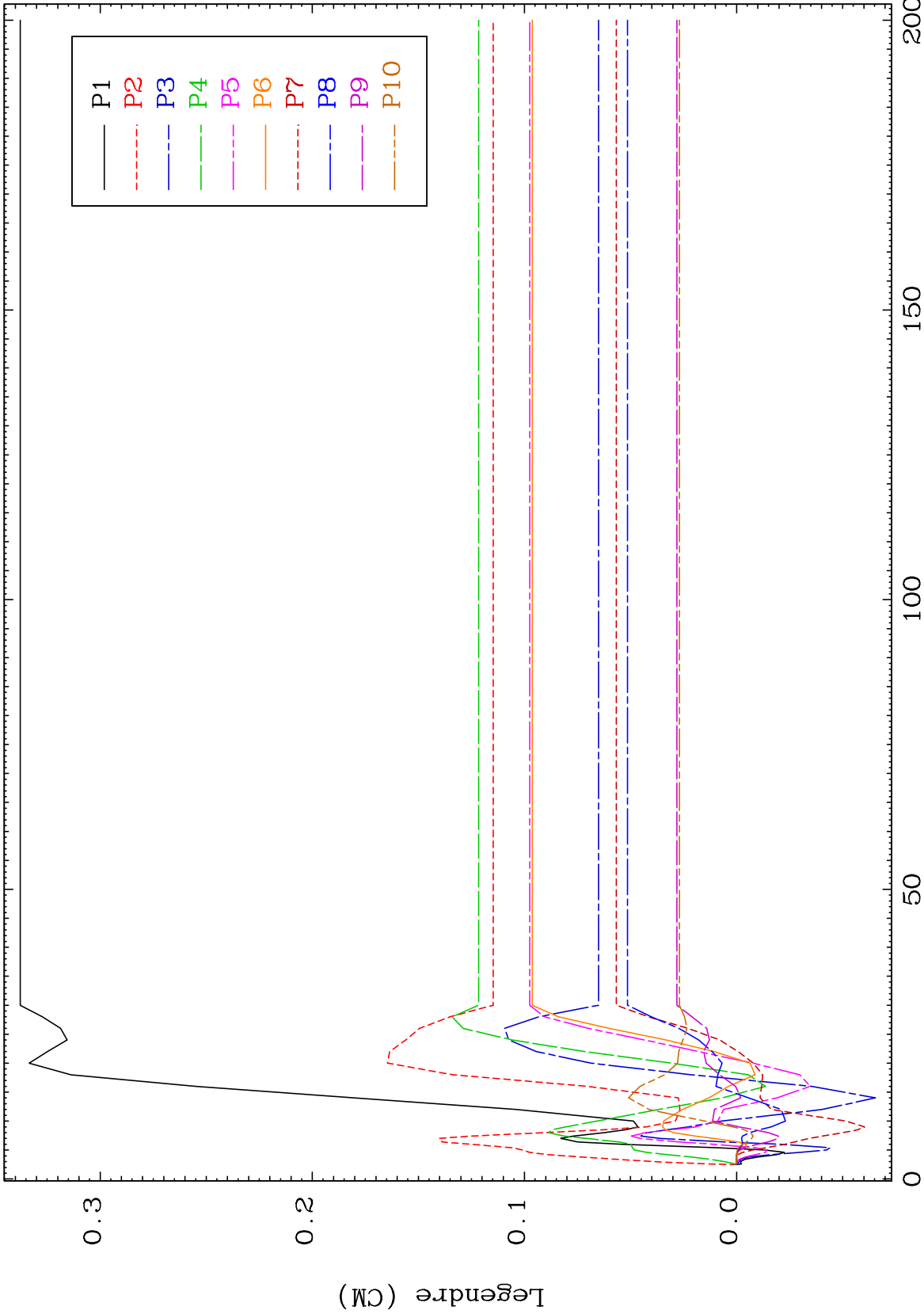
Incident Energy (MeV)

93

MAT 8419

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

84-Po-204



94

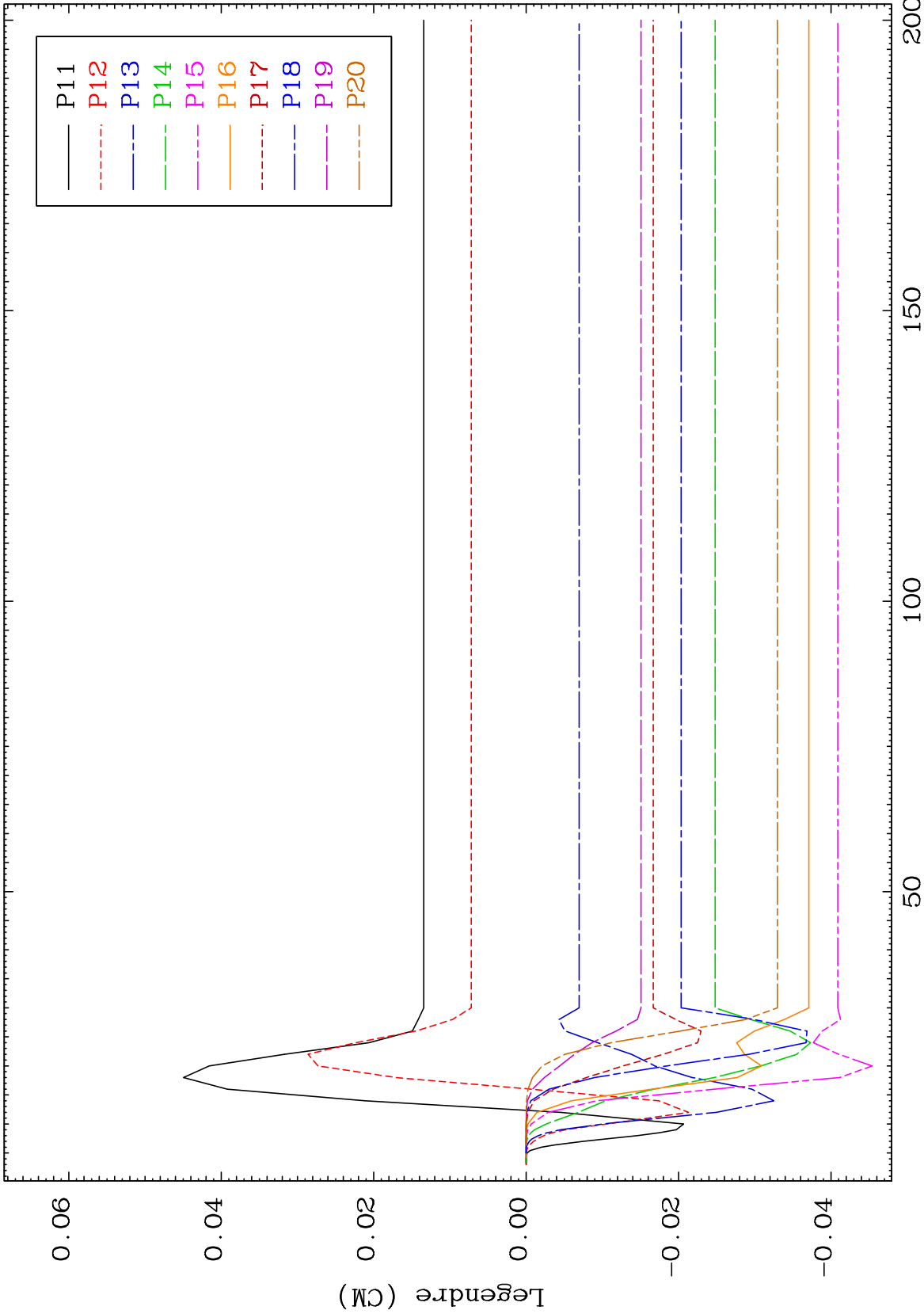
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



95

Incident Energy (MeV)

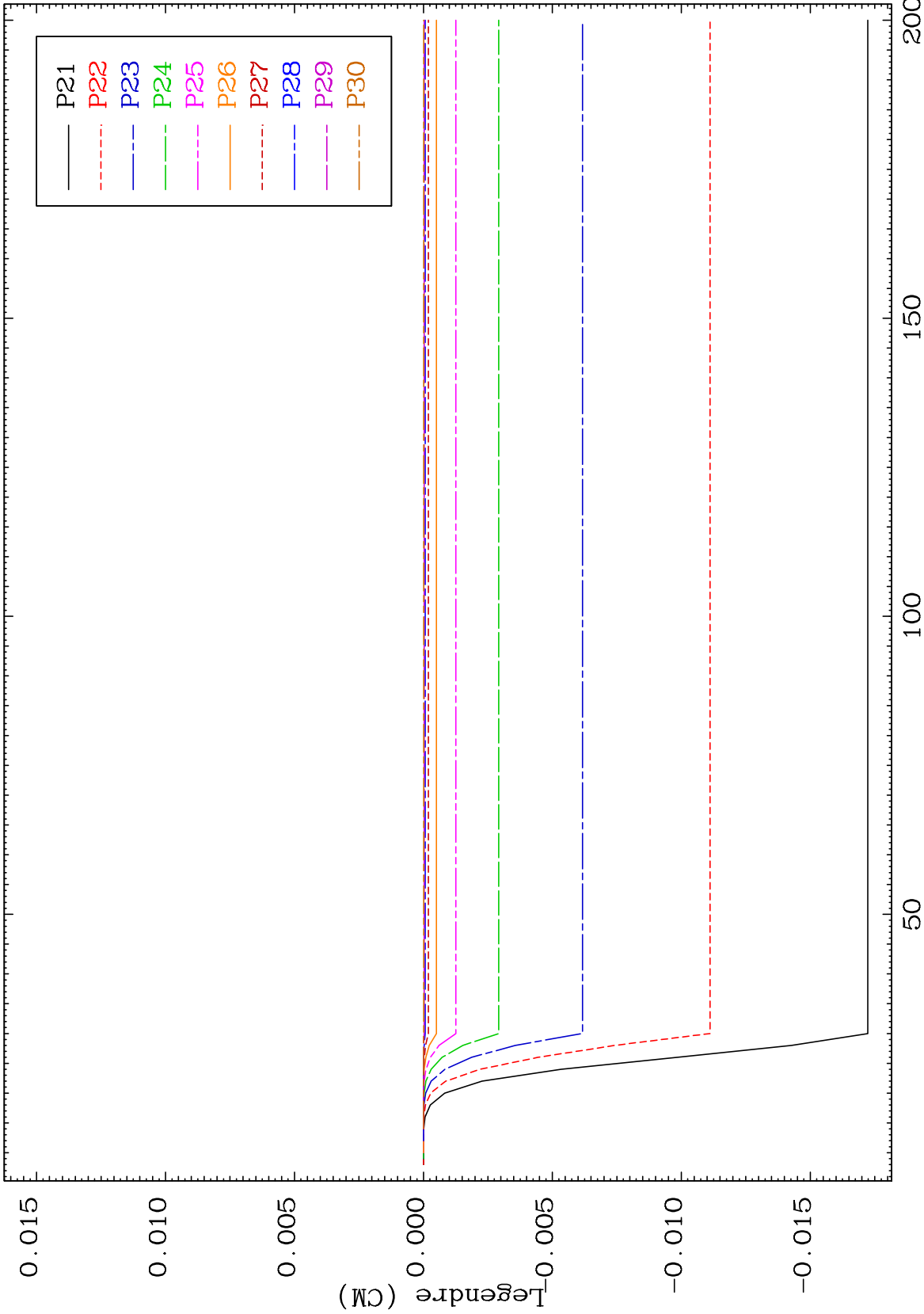
84-Po-204



MAT 8419

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

84-Po-204



96

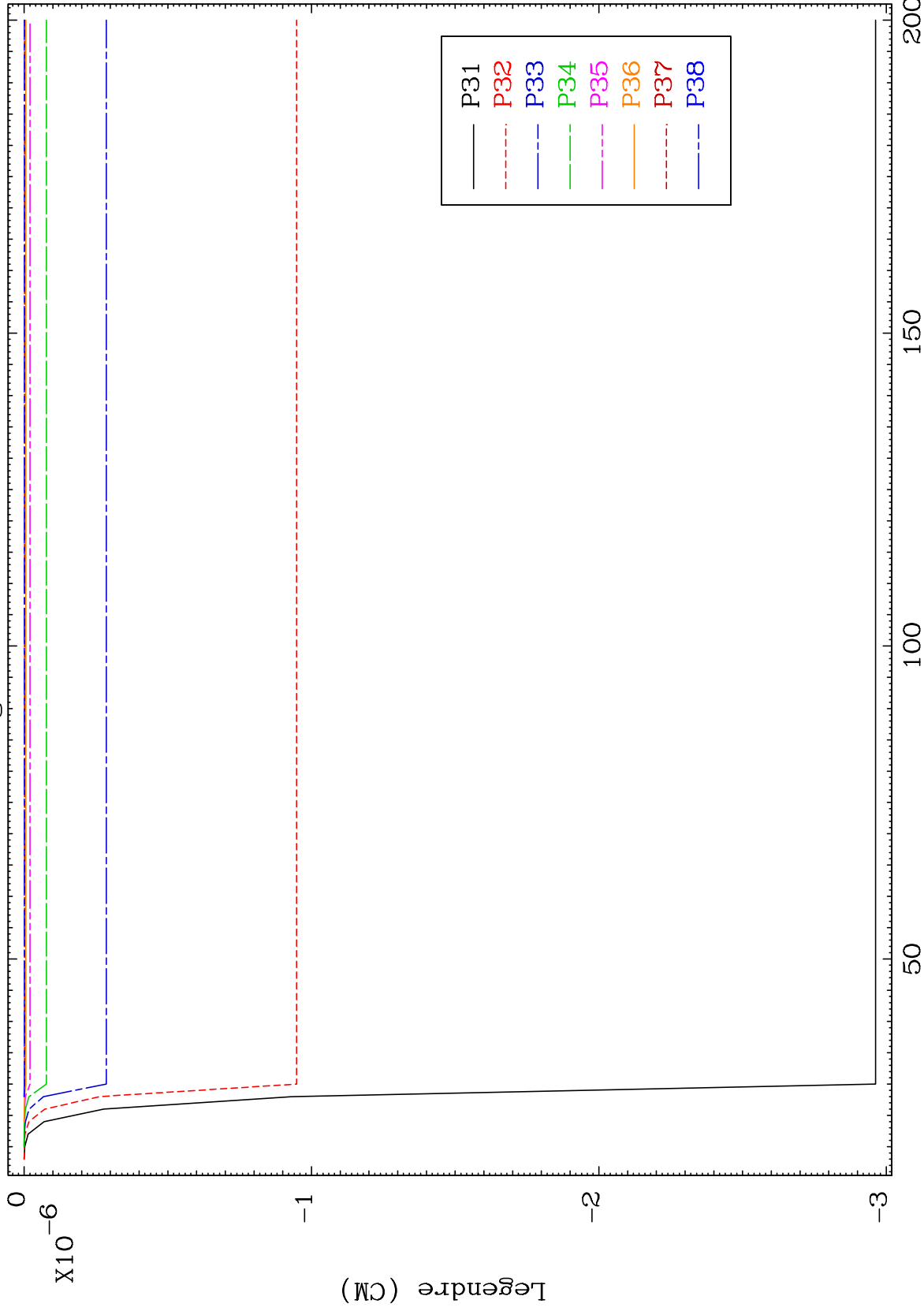
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



84-Po-204

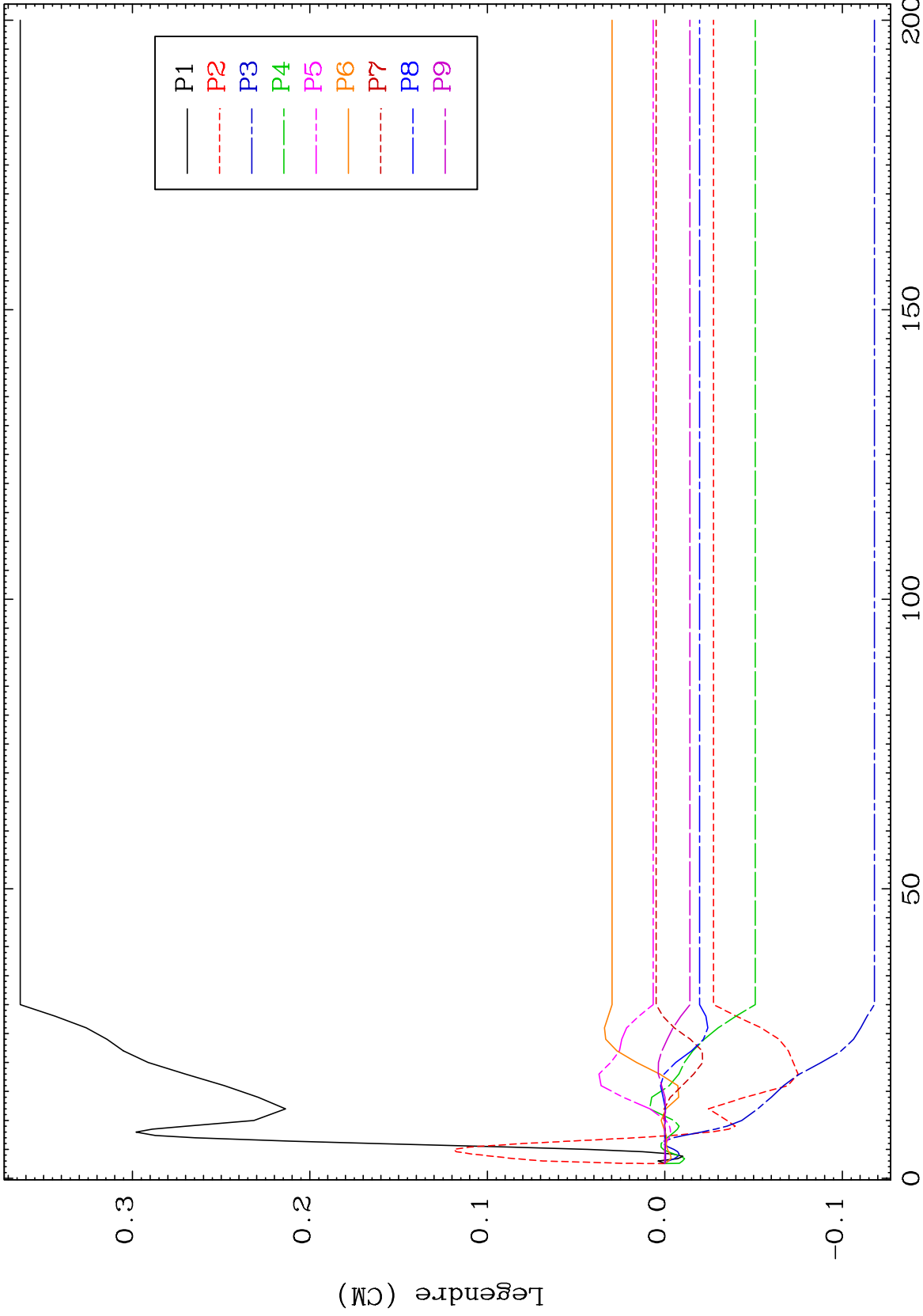
Incident Energy (MeV)

97

MAT 8419

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

84-Po-204



98

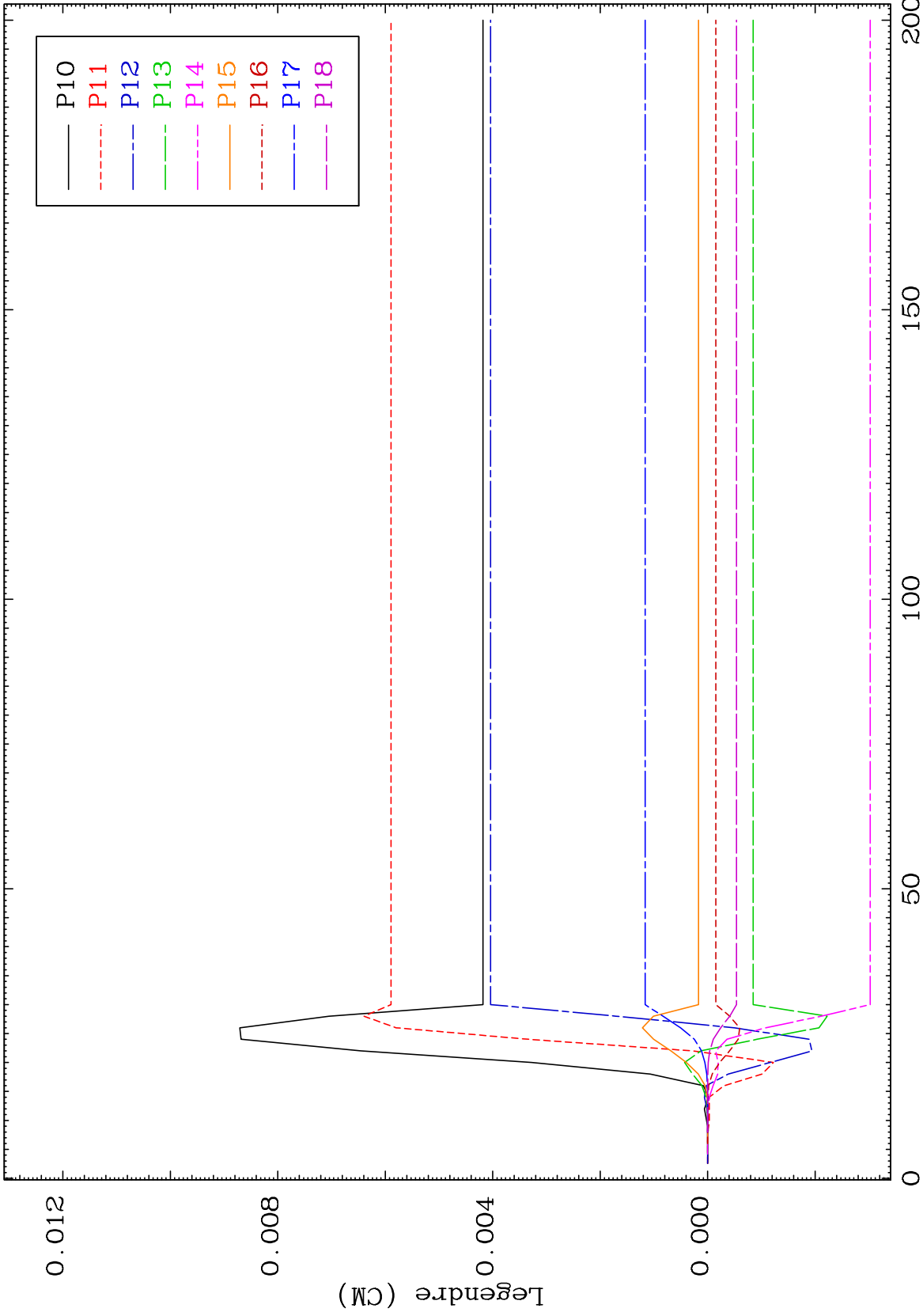
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



99

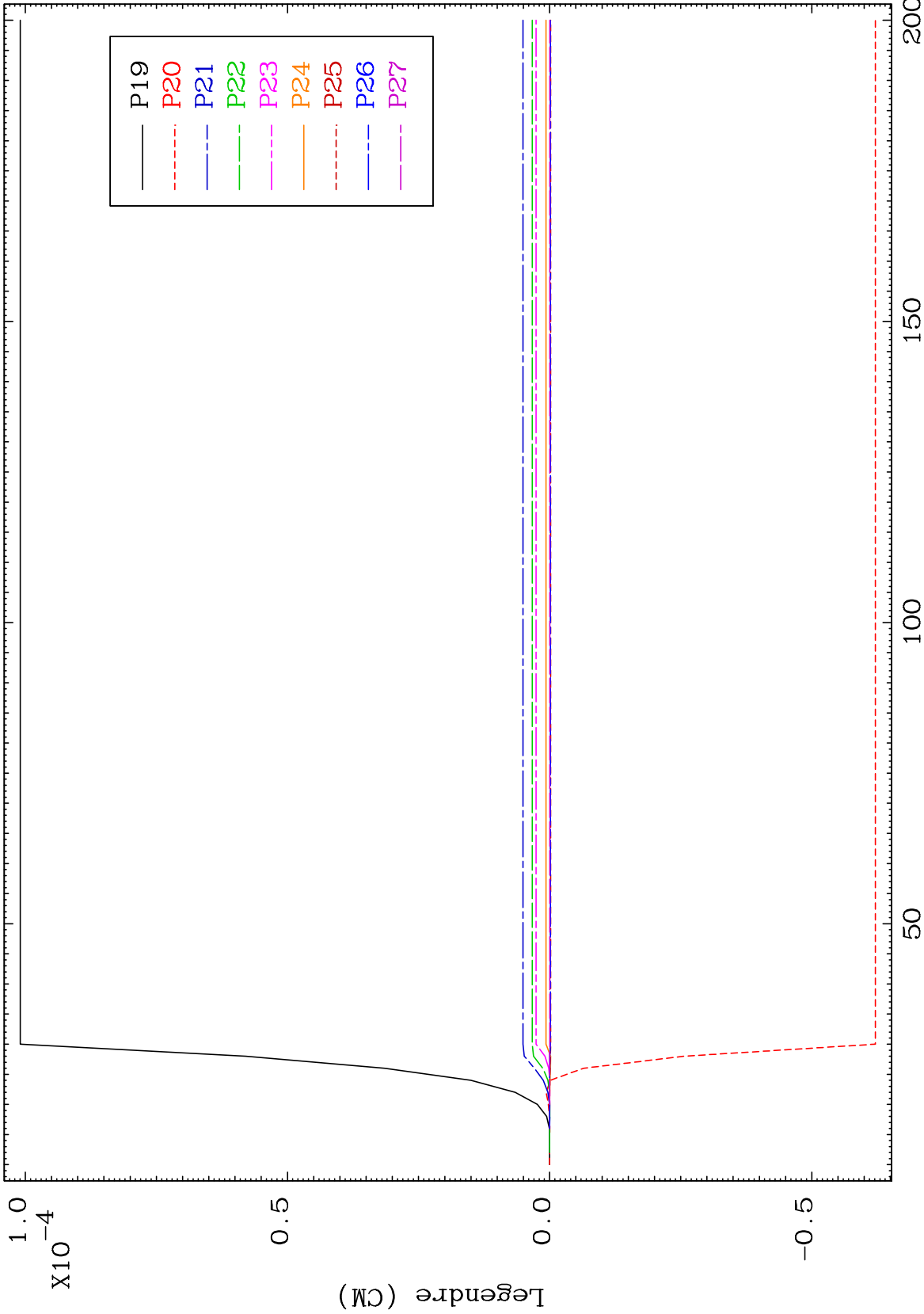
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204

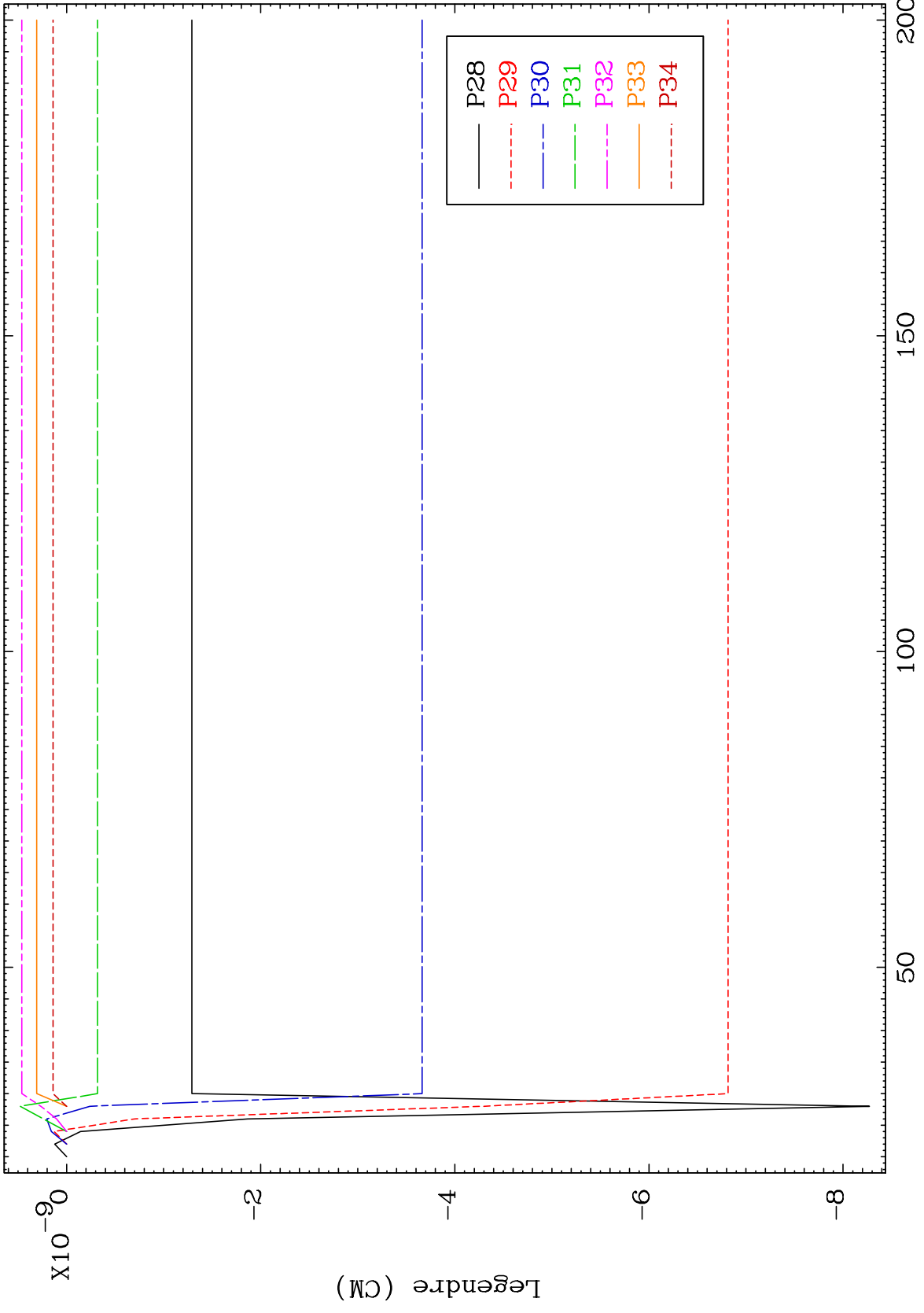


100

Incident Energy (MeV)

84-Po-204

MAT 8419 MT= 72 (n,n') Level Legendre Coefficients 84-Po-204

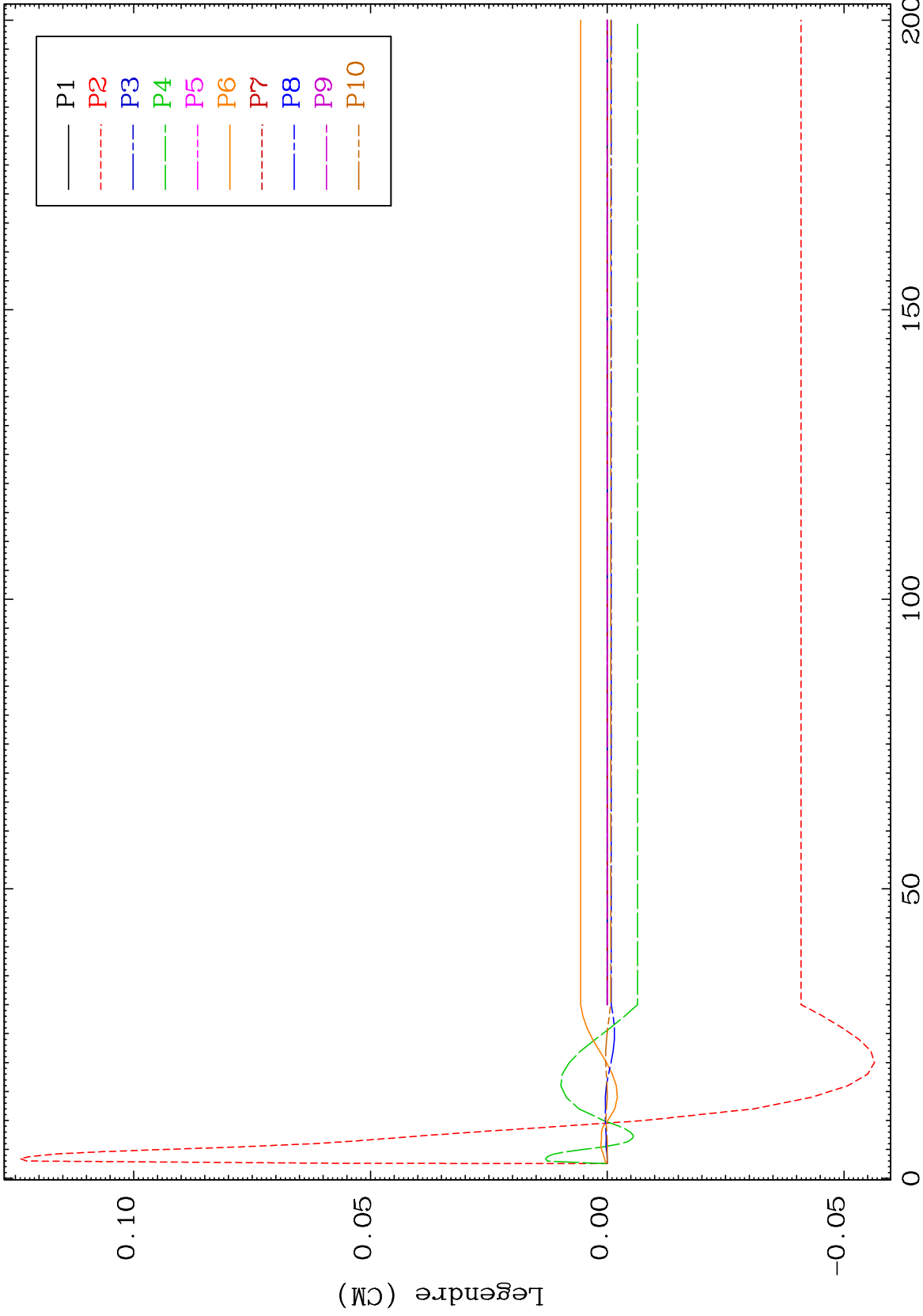


101 50 100 150 200 84-Po-204

MAT 8419

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

84-Po-204



102

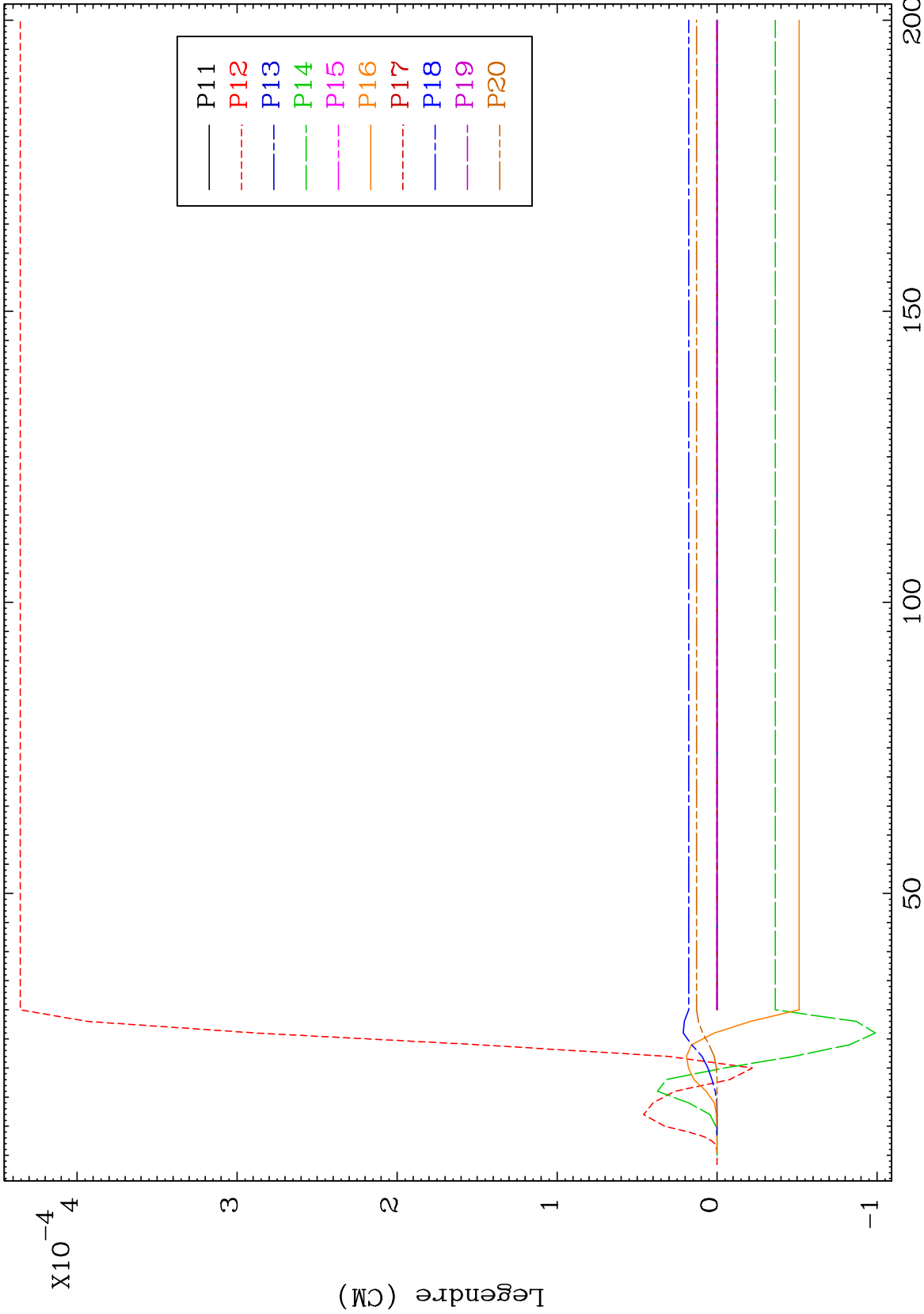
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



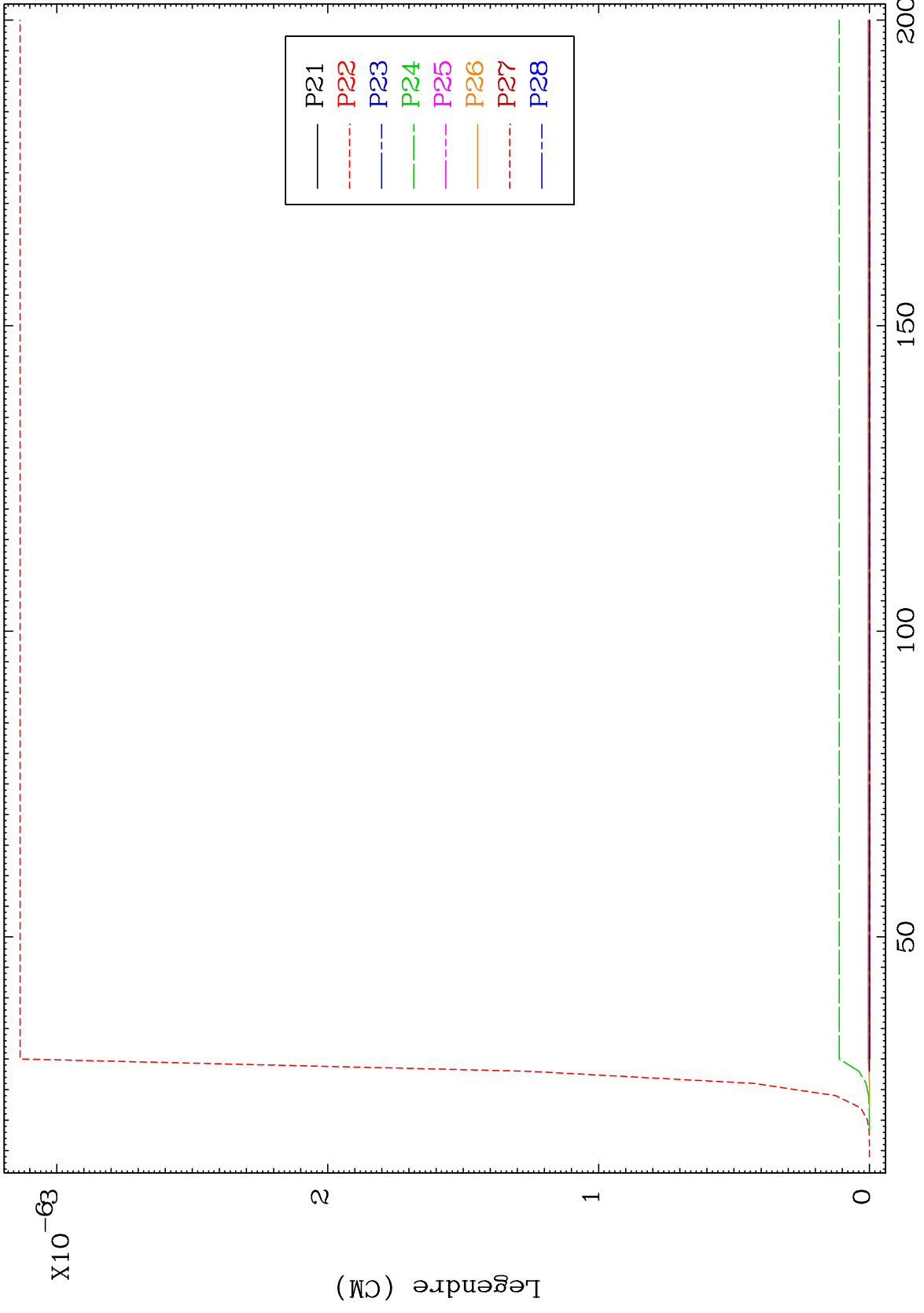
103

Incident Energy (MeV)

84-Po-204



MAT 8419 MT= 73 (n,n') Level Legendre Coefficients 84-Po-204

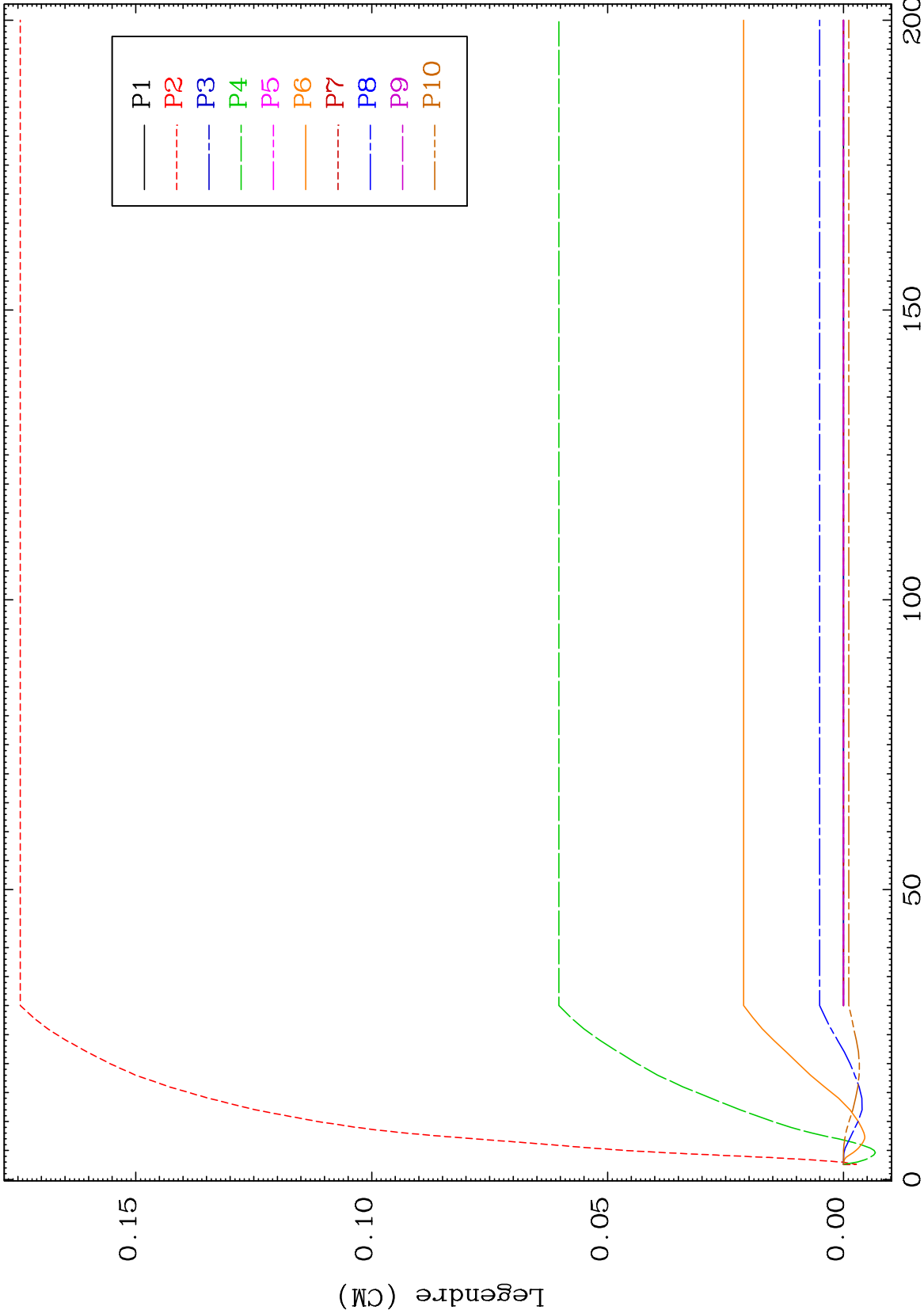


104 50 100 150 200 84-Po-204

MAT 8419

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

84-Po-204



84-Po-204

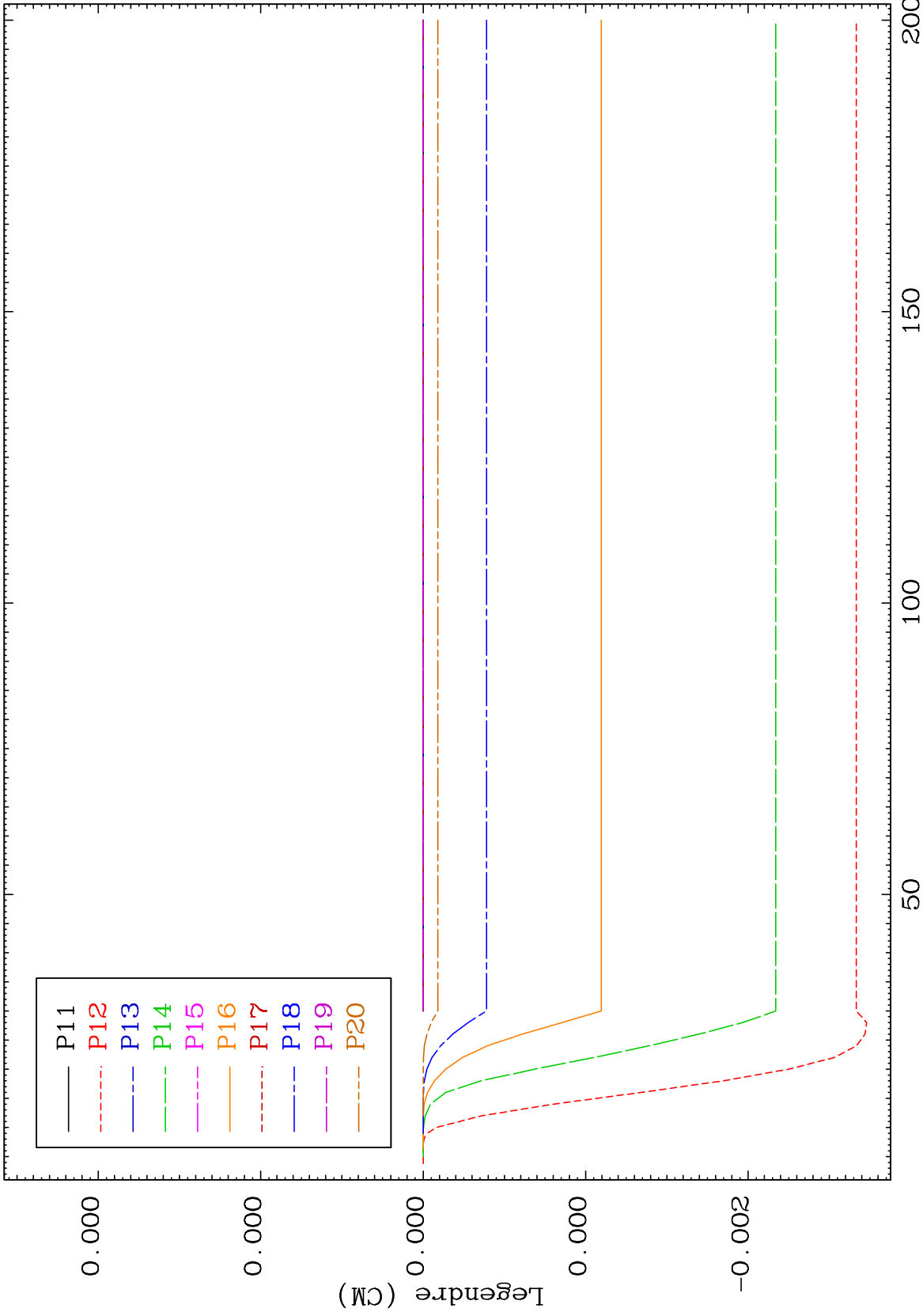
Incident Energy (MeV)

105

MAT 8419

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

84-Po-204



106

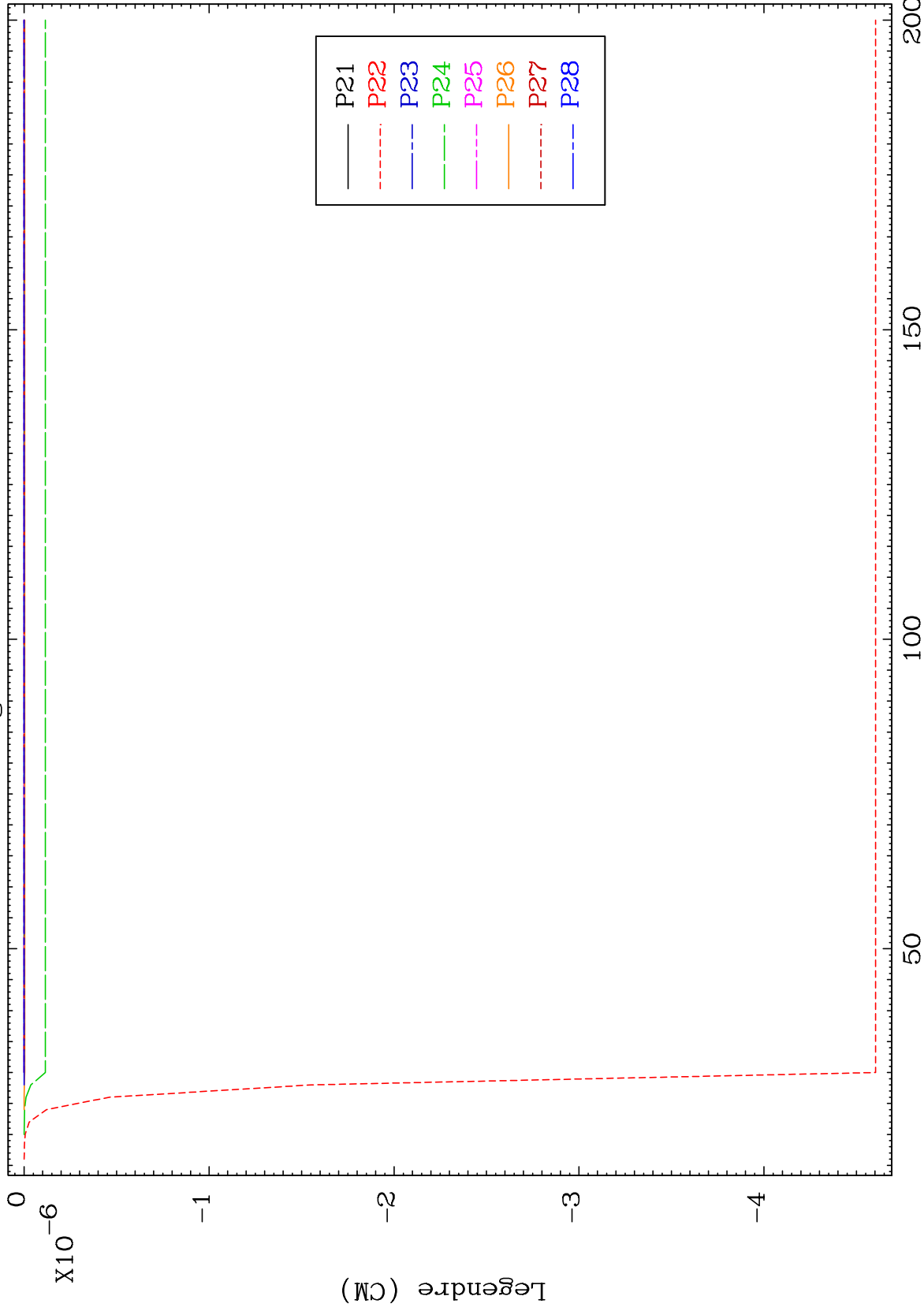
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



84-Po-204

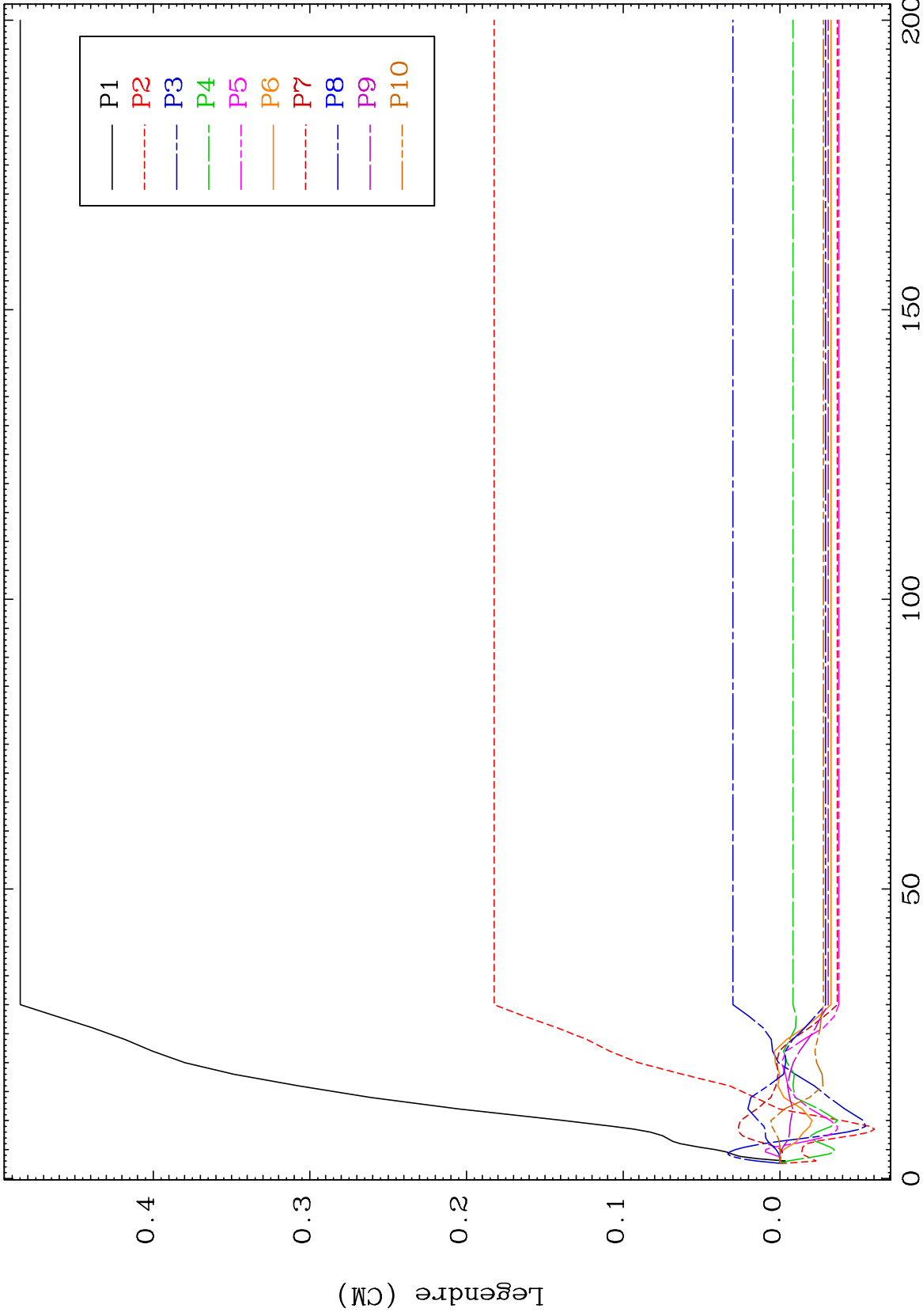
Incident Energy (MeV)

107

MAT 8419

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

84-Po-204



108

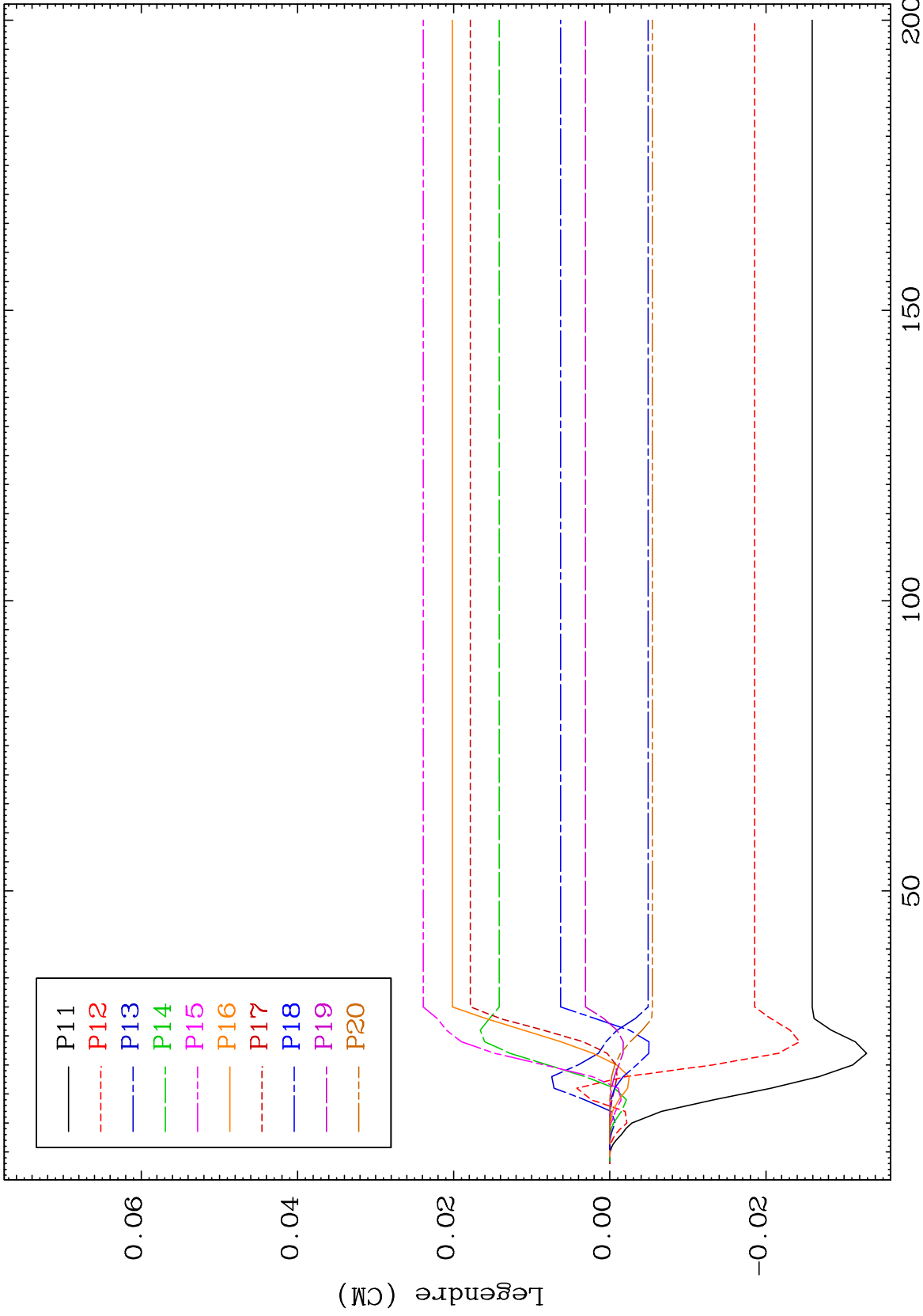
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



109

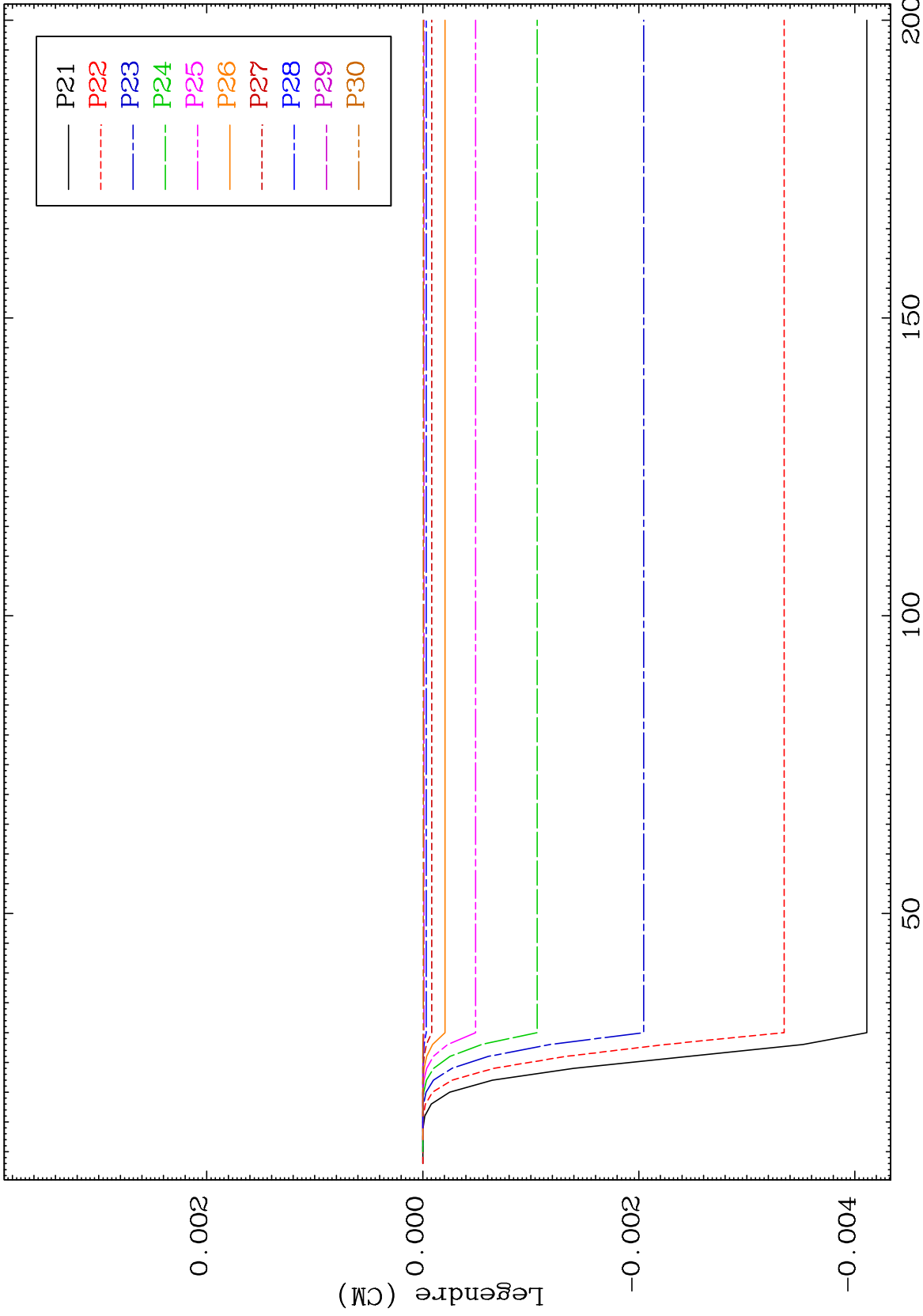
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



110

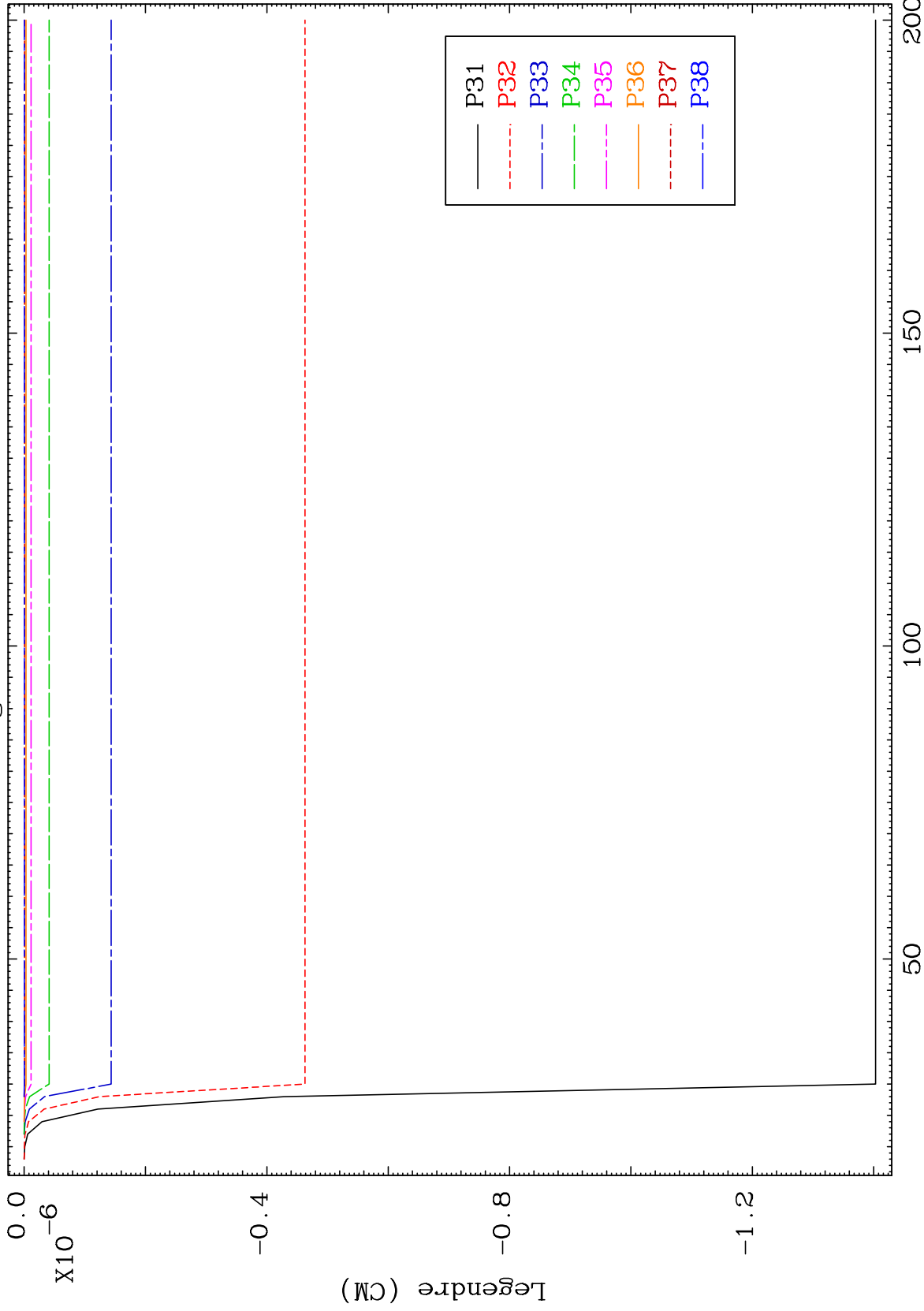
Incident Energy (MeV)

84-Po-204

MAT 8419

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

84-Po-204



84-Po-204

Incident Energy (MeV)

111

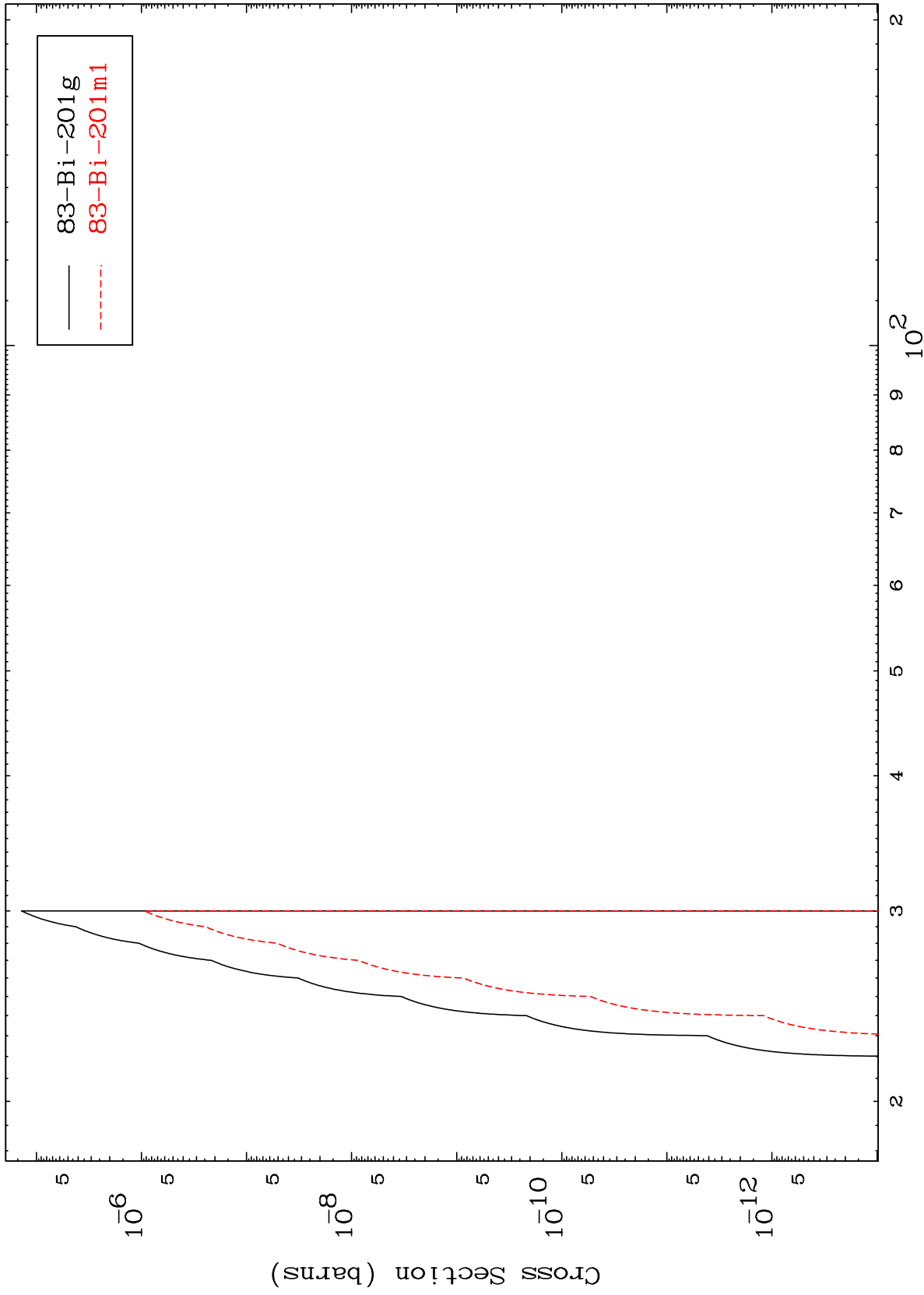


MAT 8419

(n,2n) d

84-Po-204

Radionuclide Production Cross Section



112

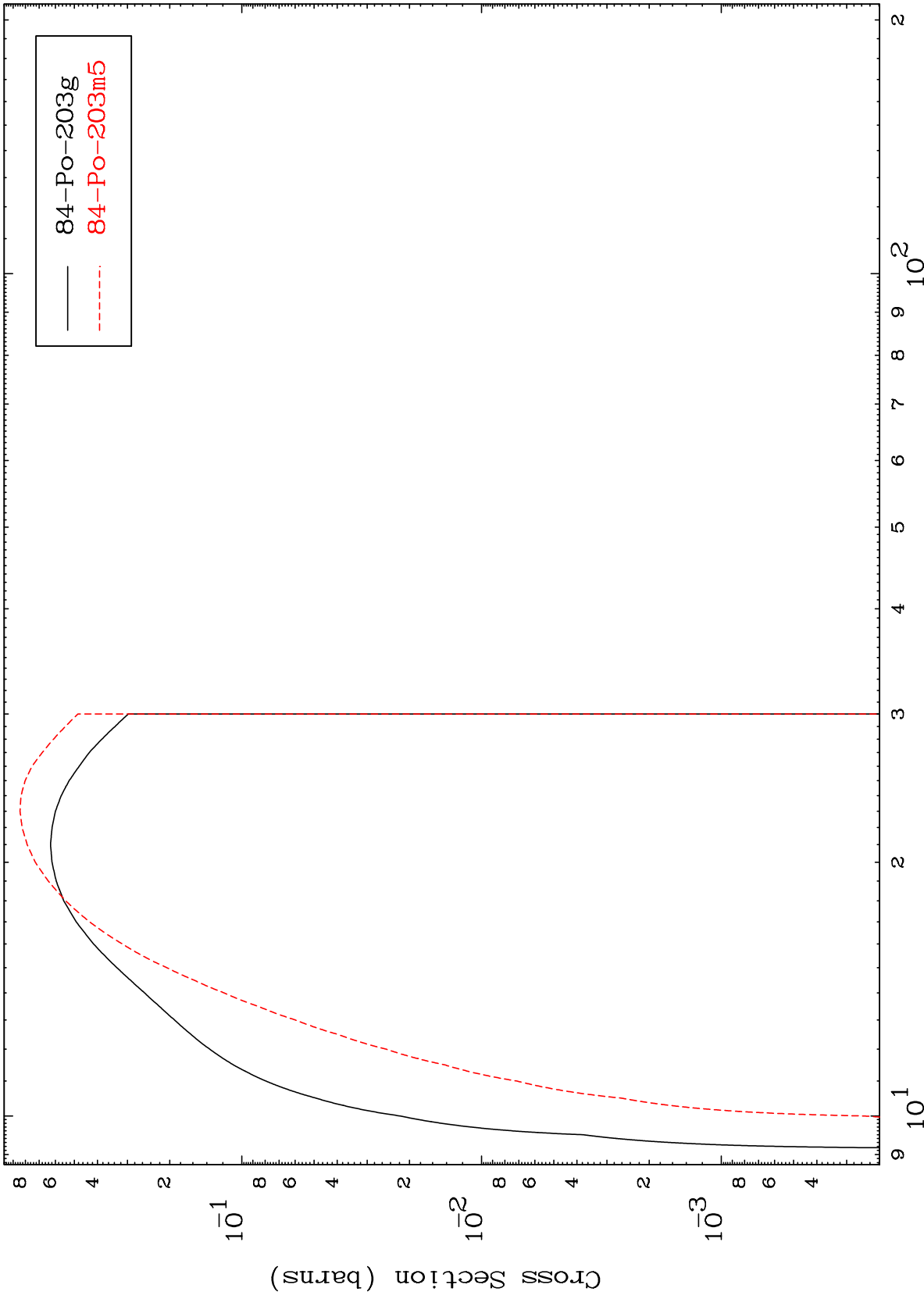
Incident Energy (MeV)

84-Po-204

MAT 8419

84-Po-204

(n,2n)  
Radionuclide Production Cross Section



113

Incident Energy (MeV)

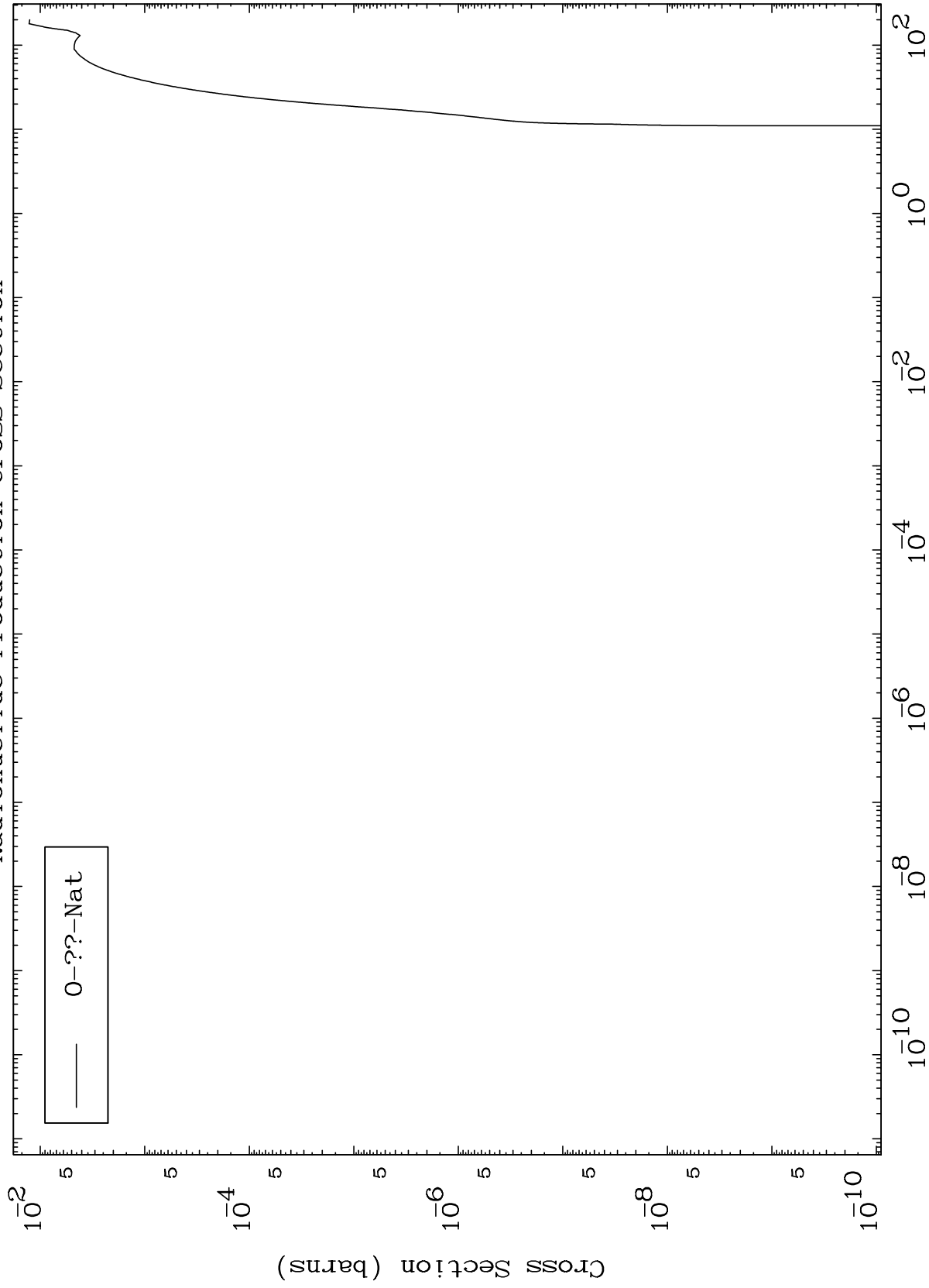
84-Po-204

MAT 8419

Fission

84-Po-204

Radionuclide Production Cross Section



114

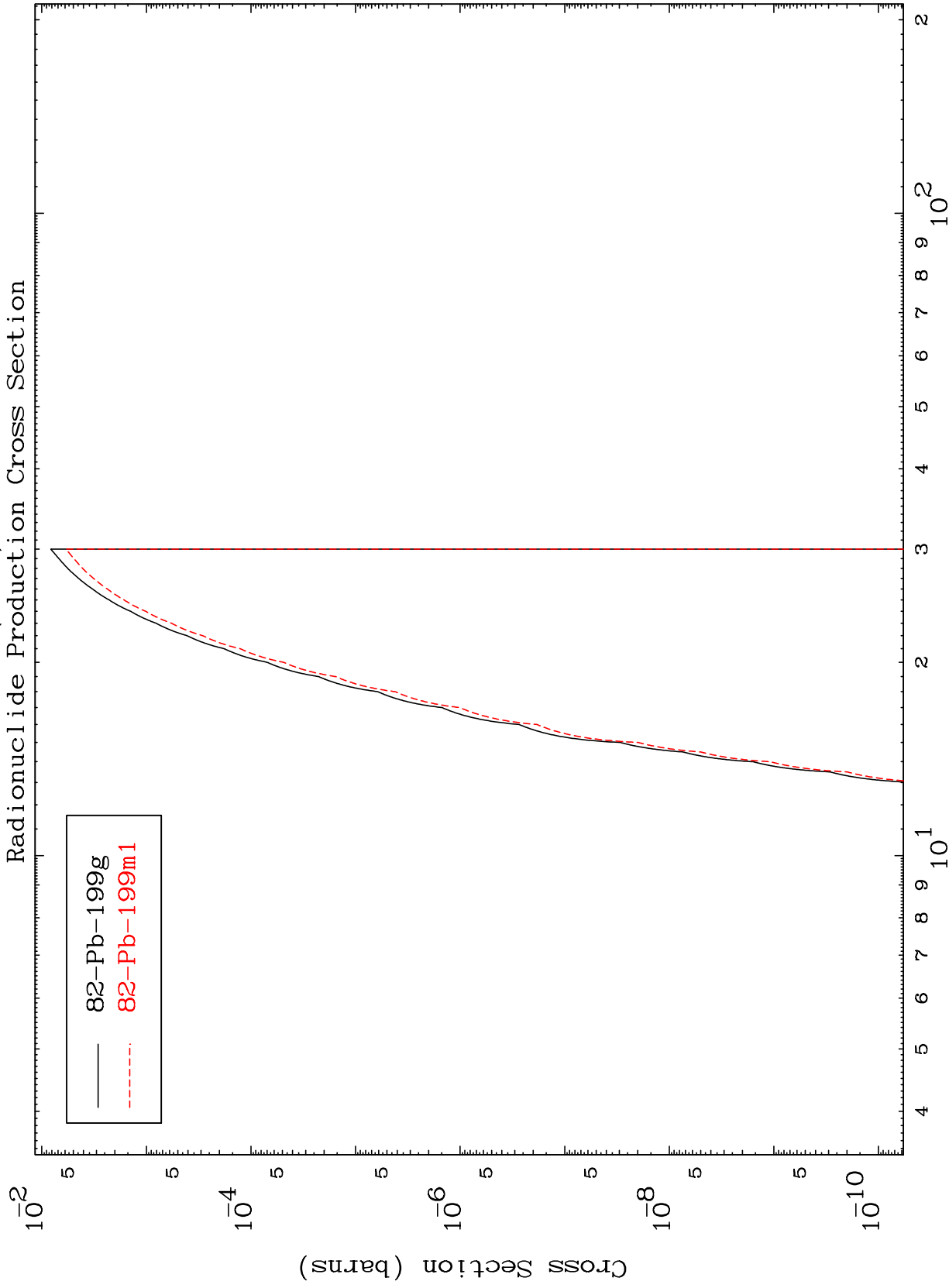
Incident Energy (MeV)

84-Po-204

MAT 8419

(n,2n)  $\alpha$

84-Po-204



115

Incident Energy (MeV)

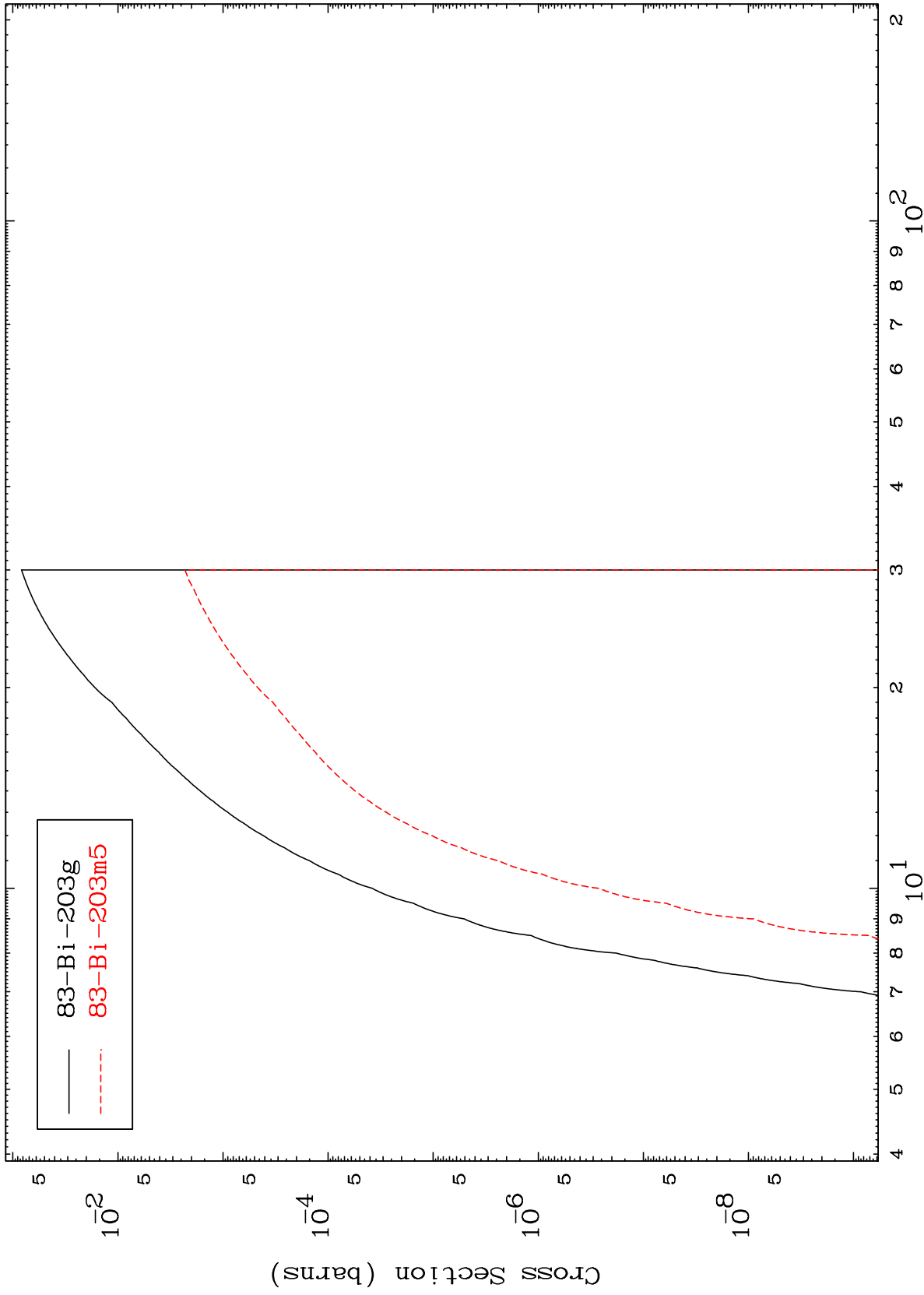
84-Po-204

MAT 8419

(n,n') p

84-Po-204

Radionuclide Production Cross Section



83-Bi-203g  
83-Bi-203m5

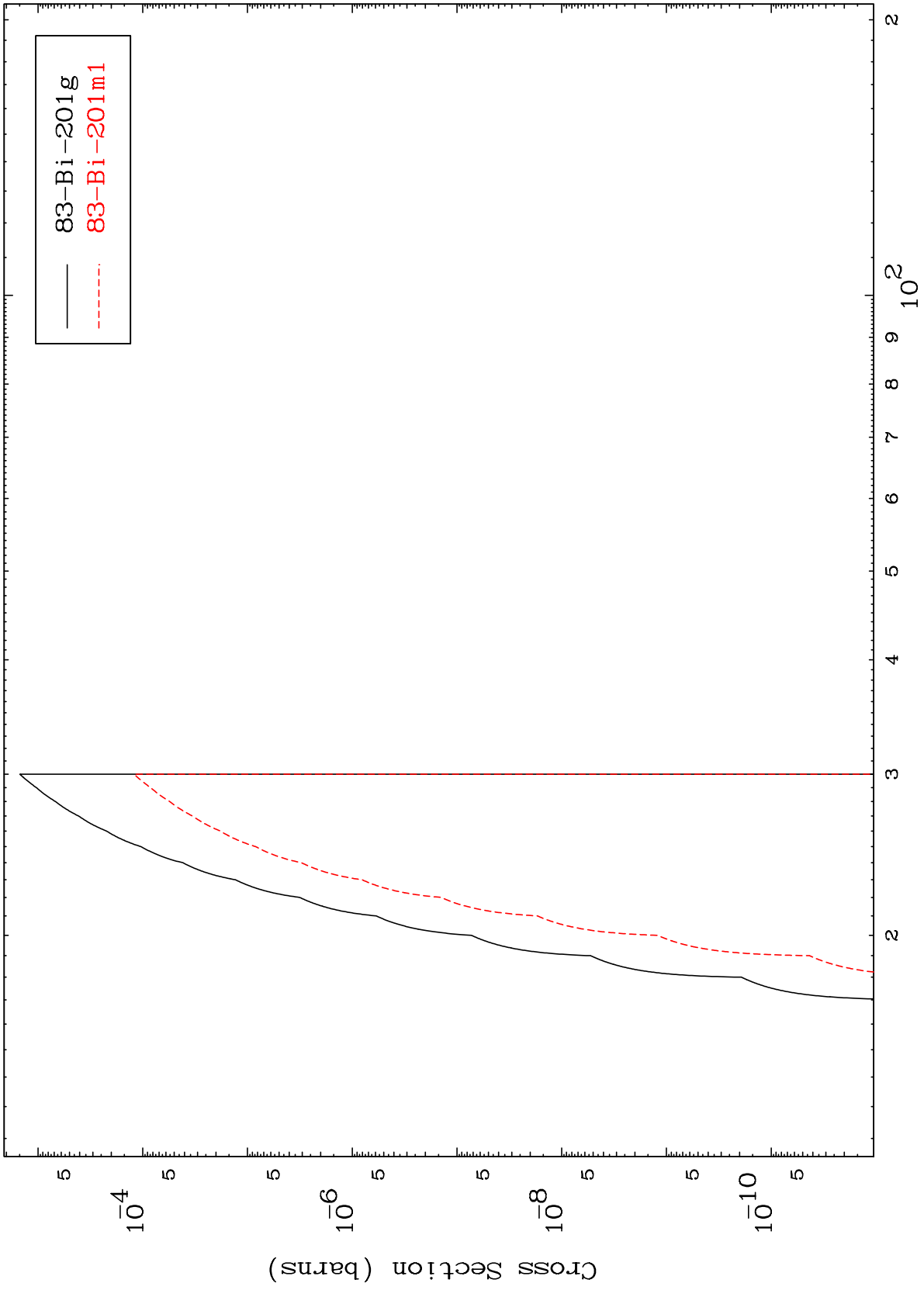
116

MAT 8419

(n,n') t

84-Po-204

Radionuclide Production Cross Section



117

Incident Energy (MeV)

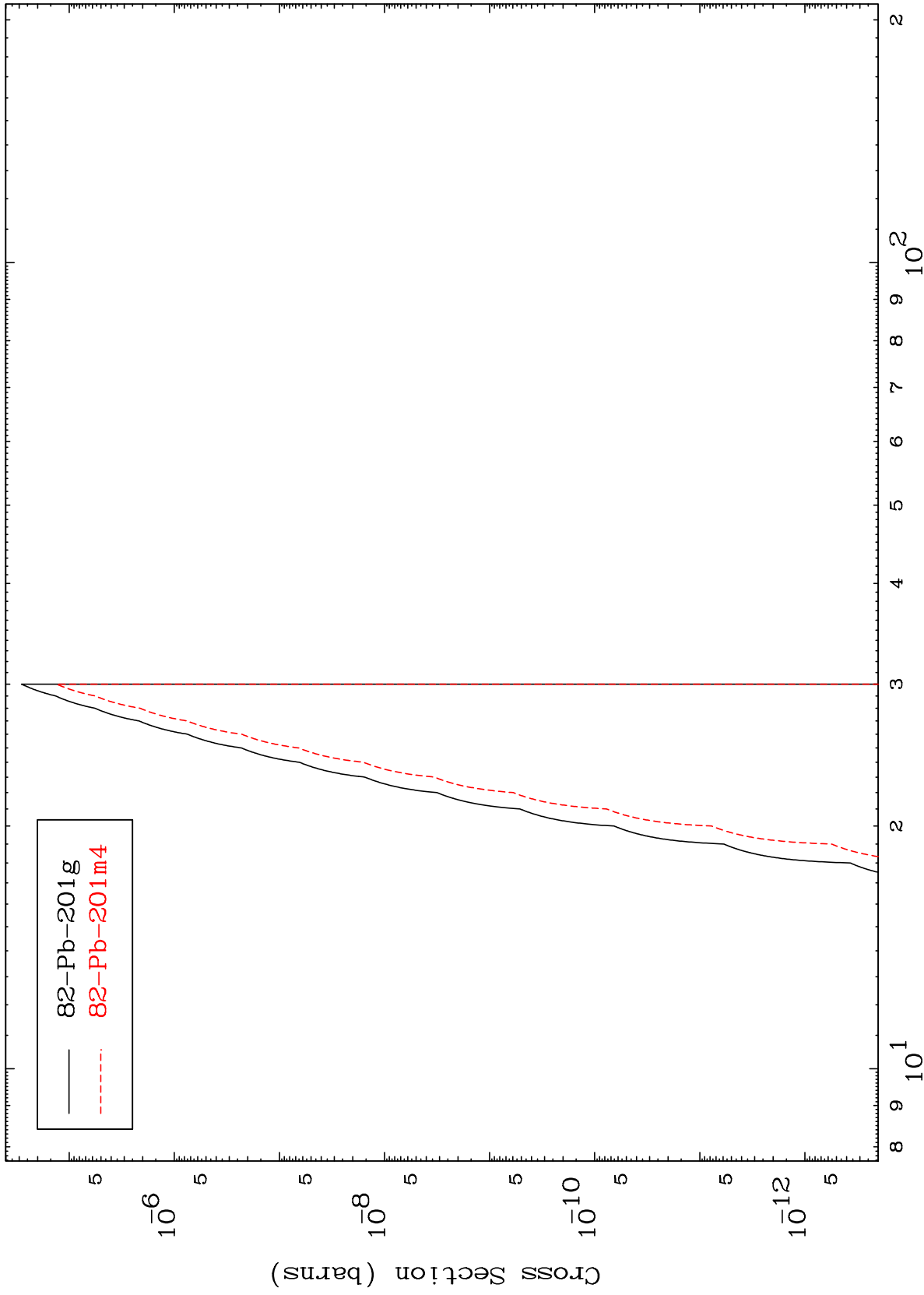
84-Po-204

MAT 8419

(n, n') He-3

84-Po-204

Radionuclide Production Cross Section



118

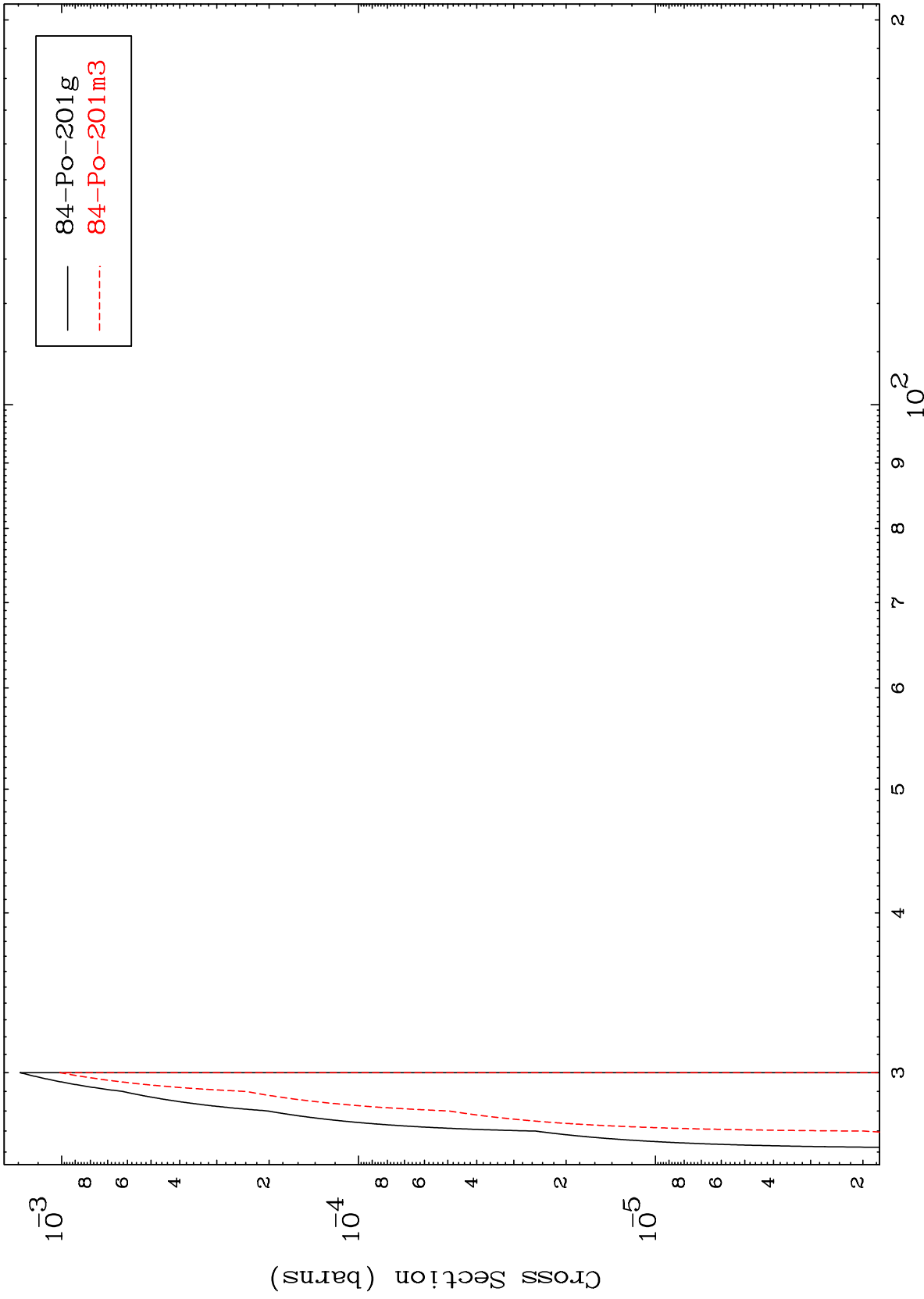
Incident Energy (MeV)

84-Po-204

MAT 8419

84-Po-204

(n,4n)  
Radionuclide Production Cross Section



84-Po-201g  
84-Po-201m3

119

84-Po-204

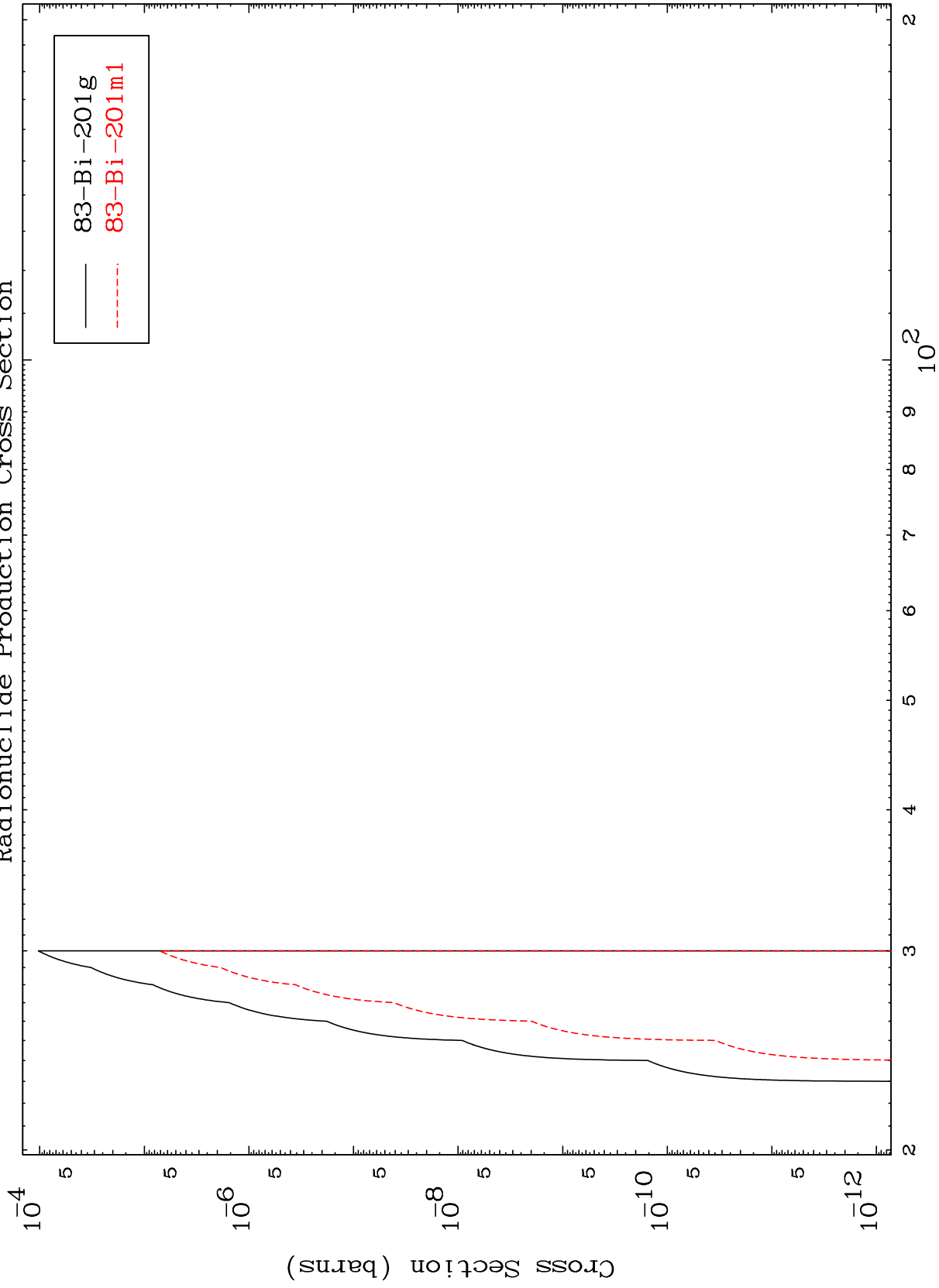


MAT 8419

(n,3n) p

84-Po-204

Radionuclide Production Cross Section



120

Incident Energy (MeV)

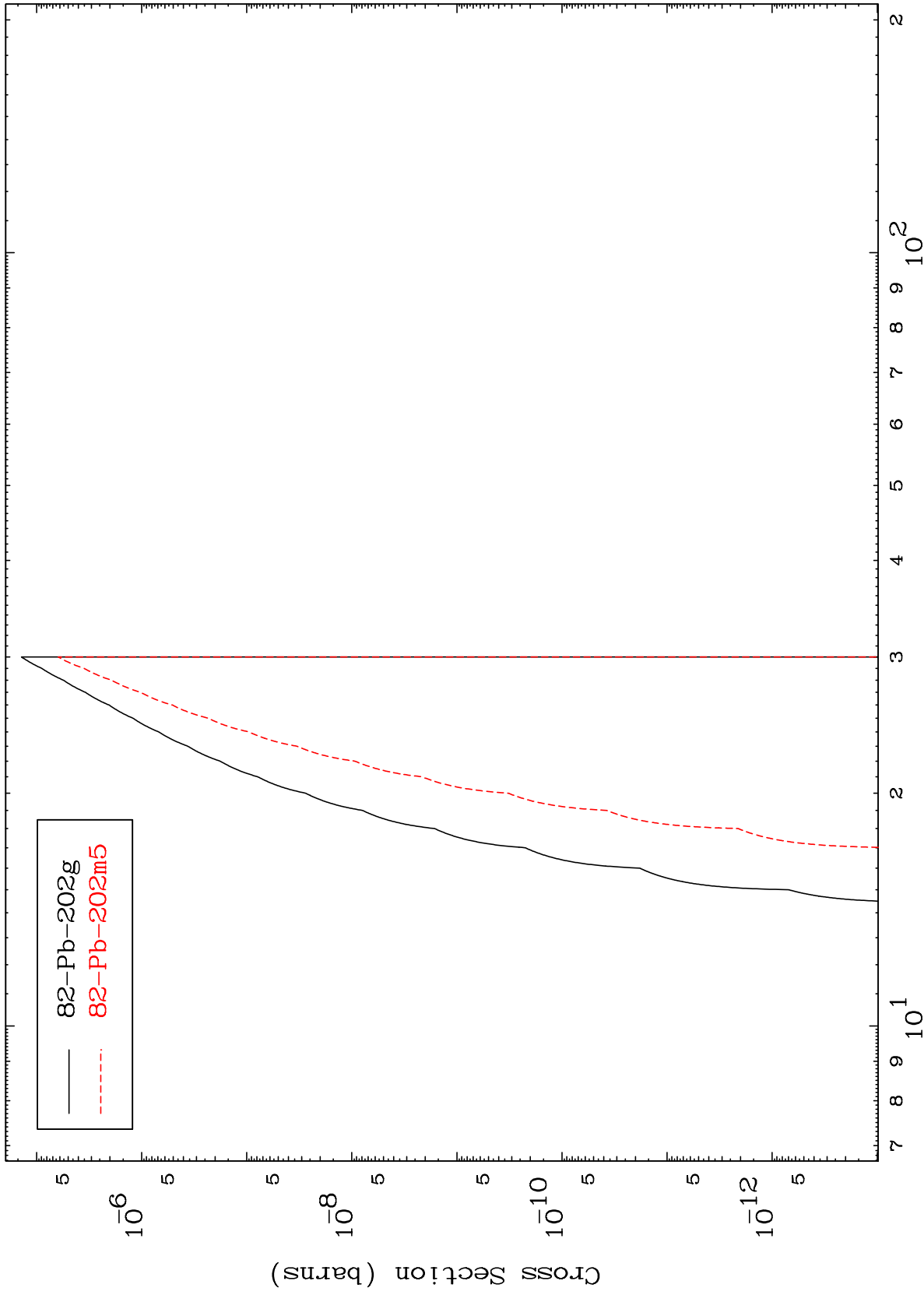
84-Po-204

MAT 8419

(n,2n) p

84-Po-204

Radionuclide Production Cross Section



— 82-Pb-202g  
- - - 82-Pb-202m5

121

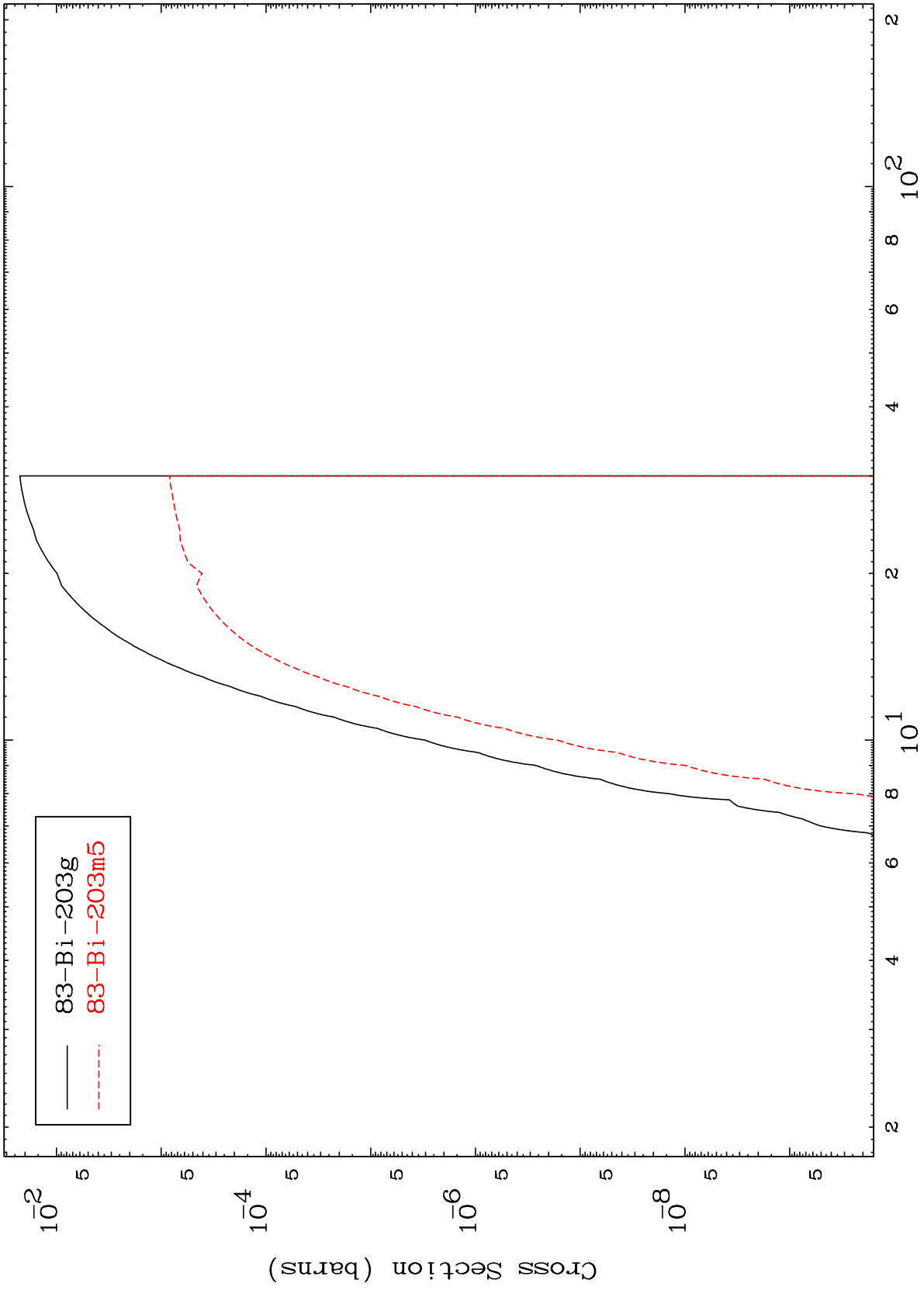
Incident Energy (MeV)

84-Po-204

MAT 8419

84-Po-204

(n,d)  
Radionuclide Production Cross Section



122

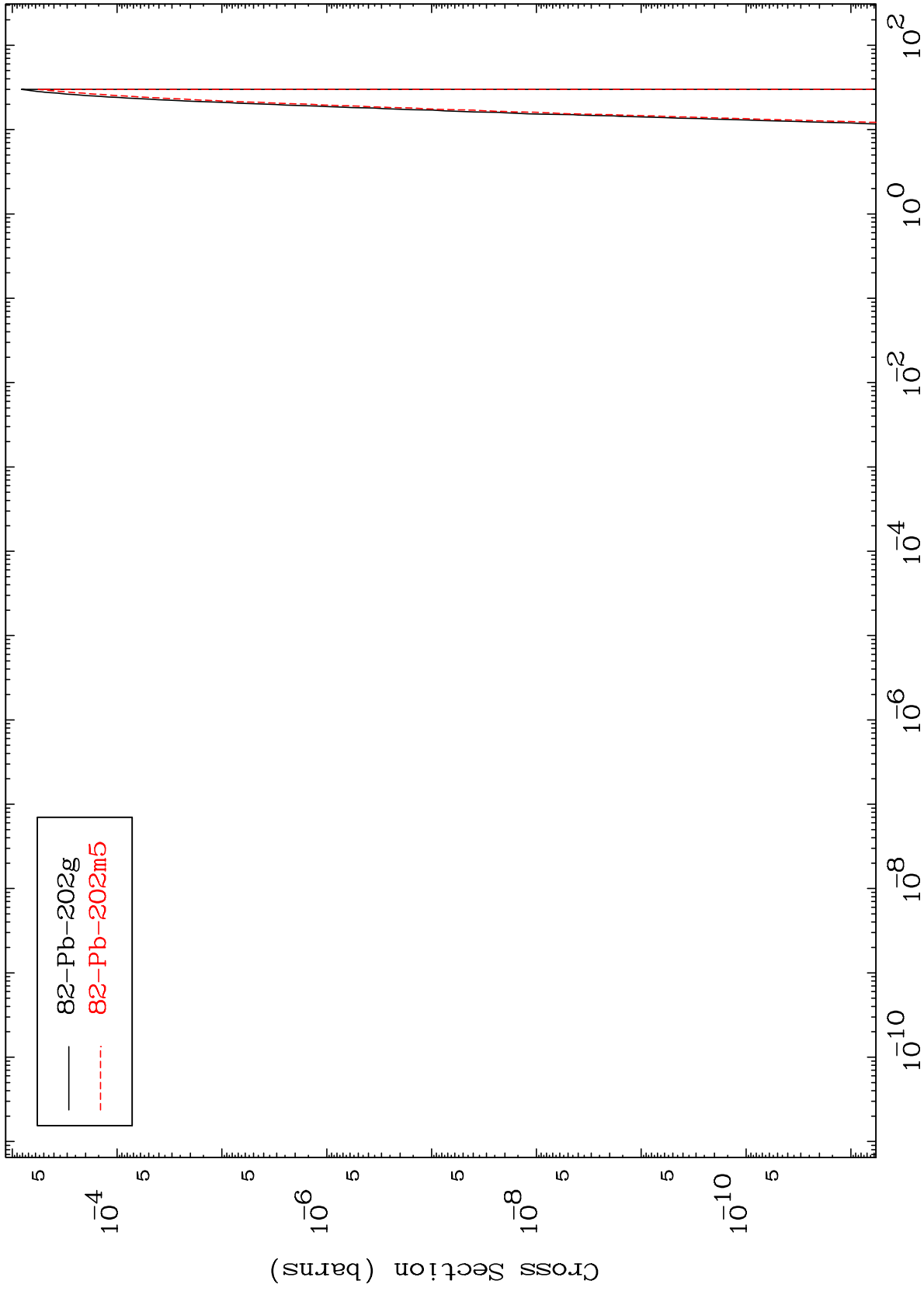
84-Po-204

MAT 8419

(n, He-3)

84-Po-204

Radionuclide Production Cross Section

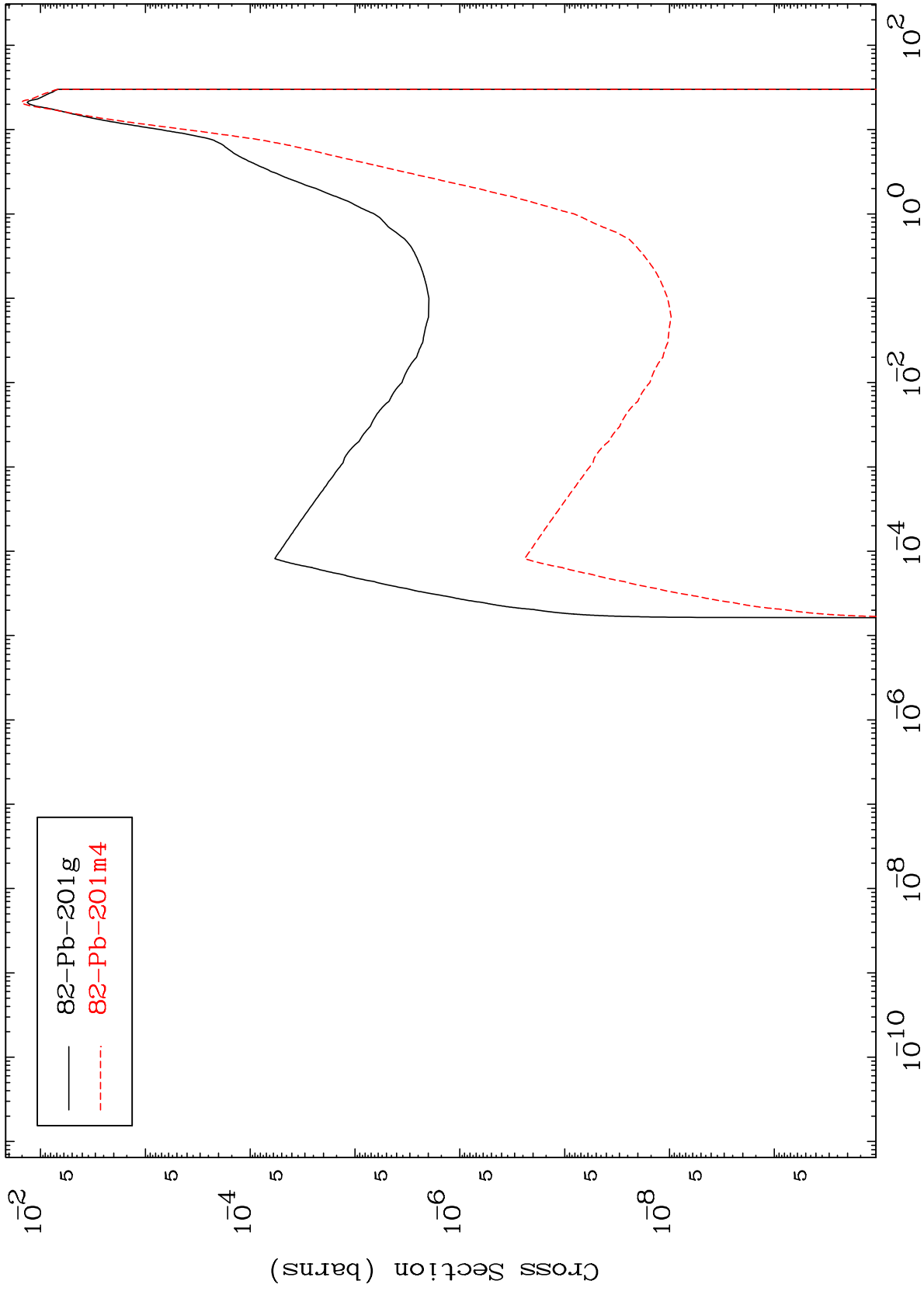


MAT 8419

(n,  $\alpha$ )

84-Po-204

Radionuclide Production Cross Section



82-Pb-201g  
82-Pb-201m4

124

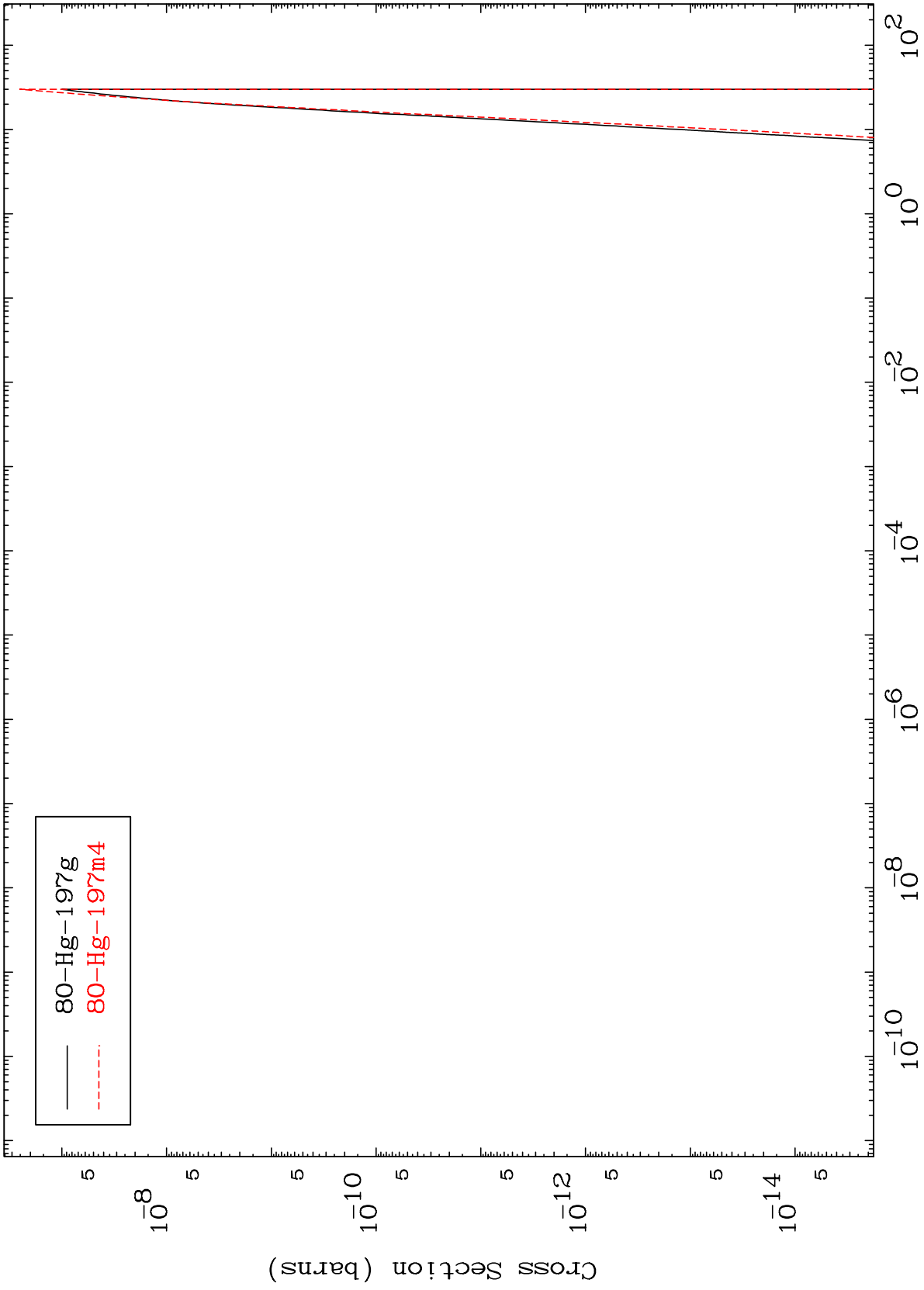
Incident Energy (MeV)

84-Po-204

MAT 8419

Radionuclide Production Cross Section  
(n,2α)

84-Po-204



125

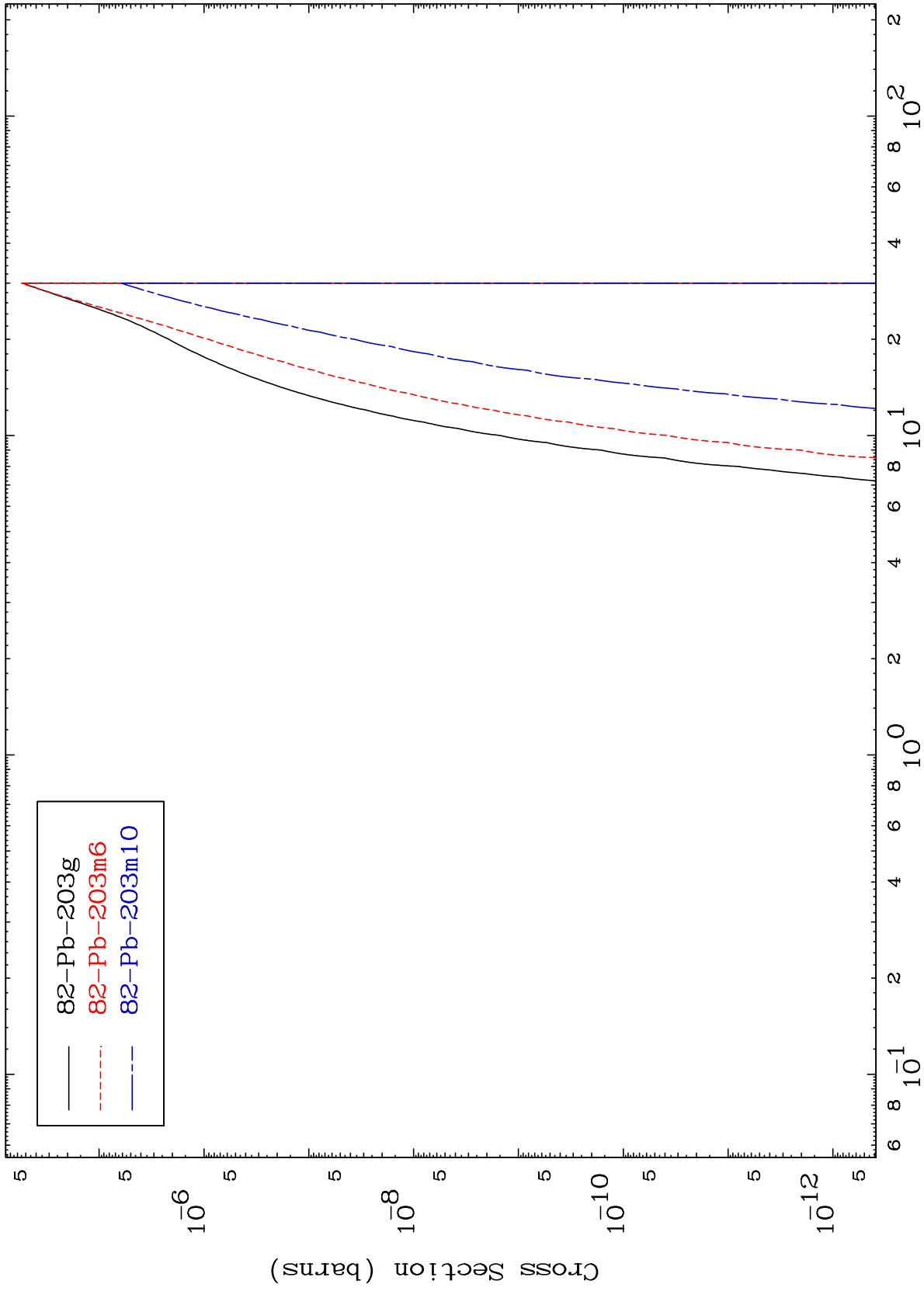
84-Po-204

MAT 8419

(n,2p)

84-Po-204

Radionuclide Production Cross Section



126

Incident Energy (MeV)

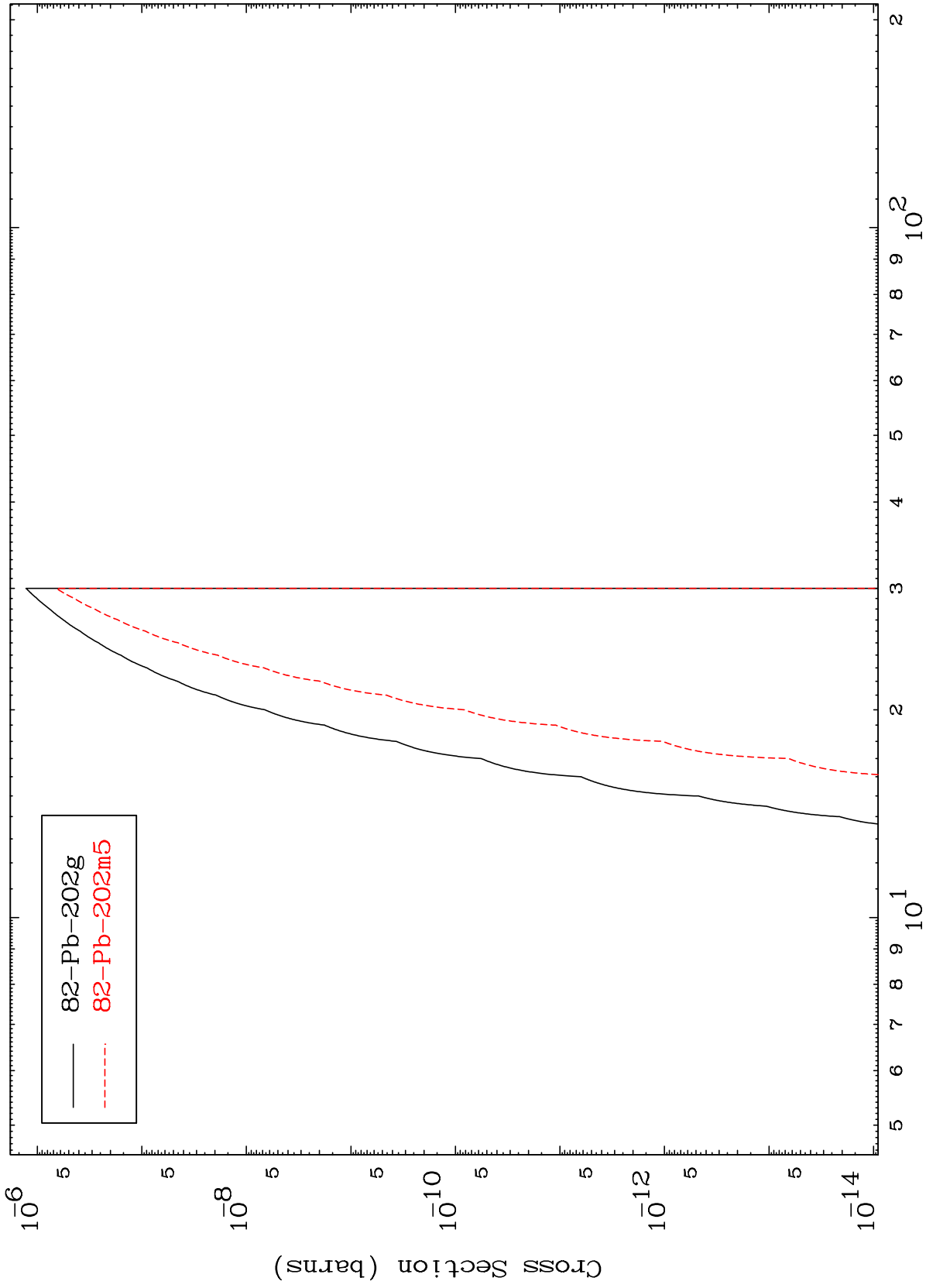
84-Po-204

MAT 8419

(n,p) d

84-Po-204

Radionuclide Production Cross Section



127

Incident Energy (MeV)

84-Po-204

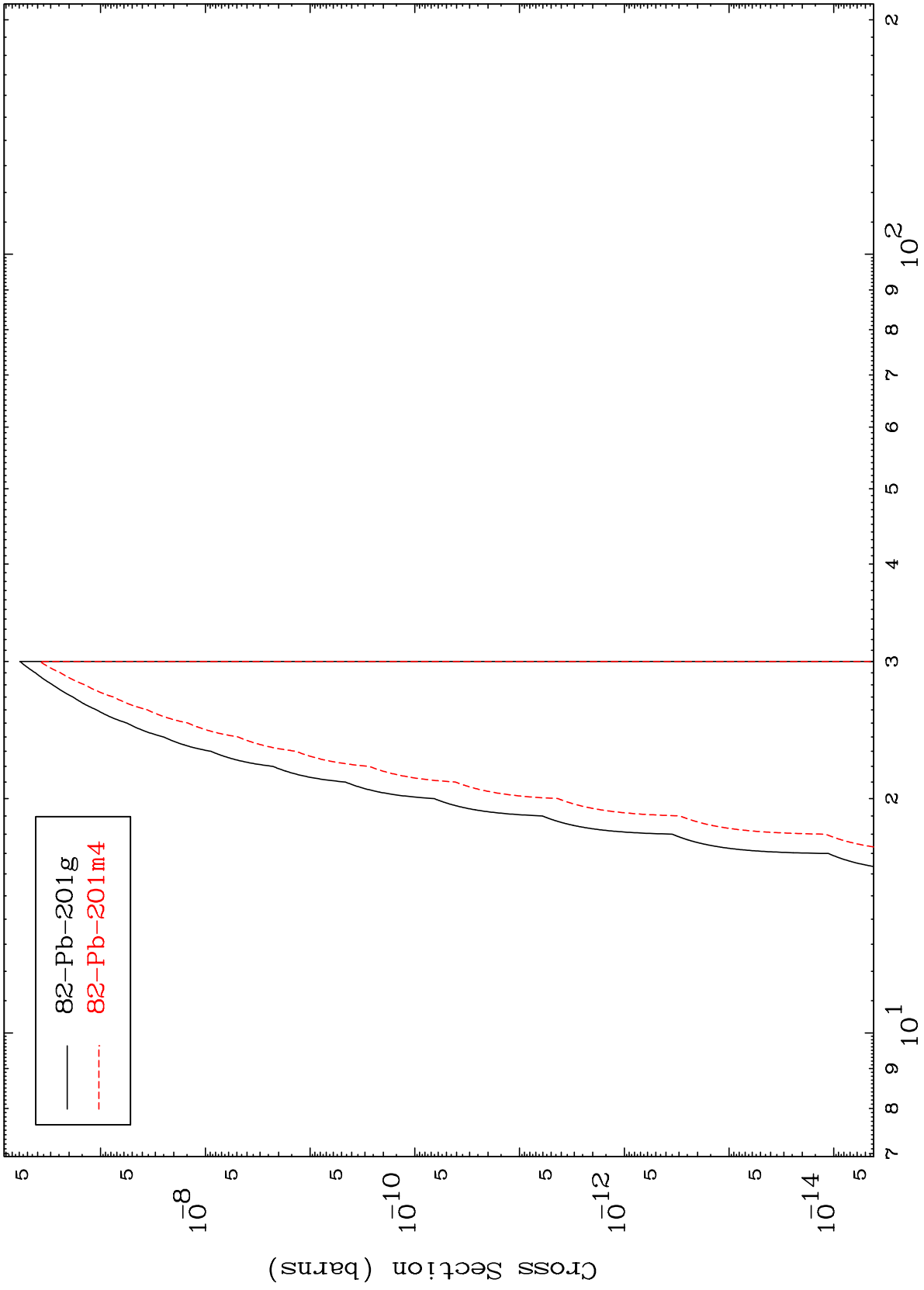


MAT 8419

(n,p) t

84-Po-204

Radionuclide Production Cross Section



82-Pb-201g  
82-Pb-201m4

128

Incident Energy (MeV)

84-Po-204