

Program EVALPLOT  
(Version 2021-1)

by

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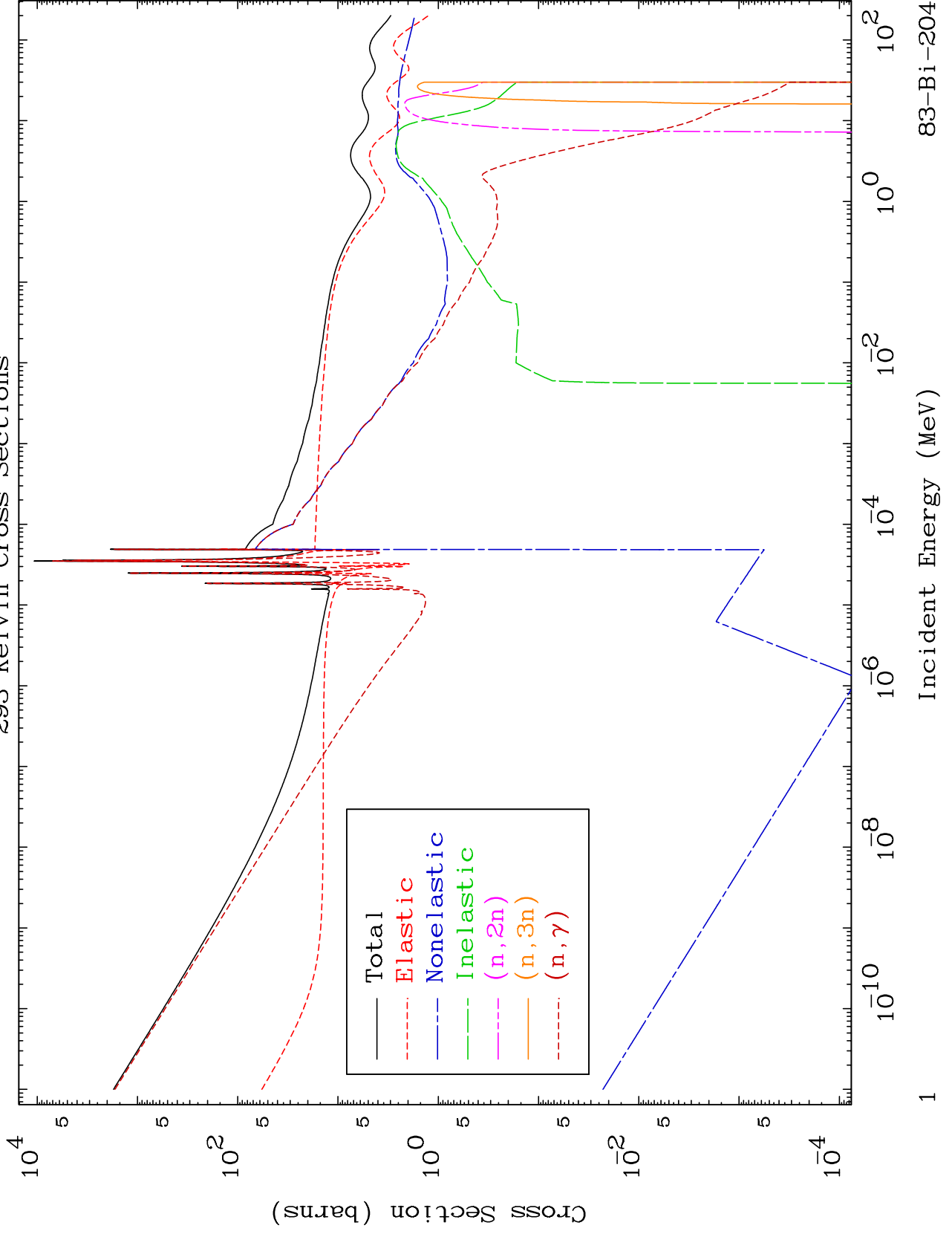
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 8310

Neutron Major  
293 Kelvin Cross Sections

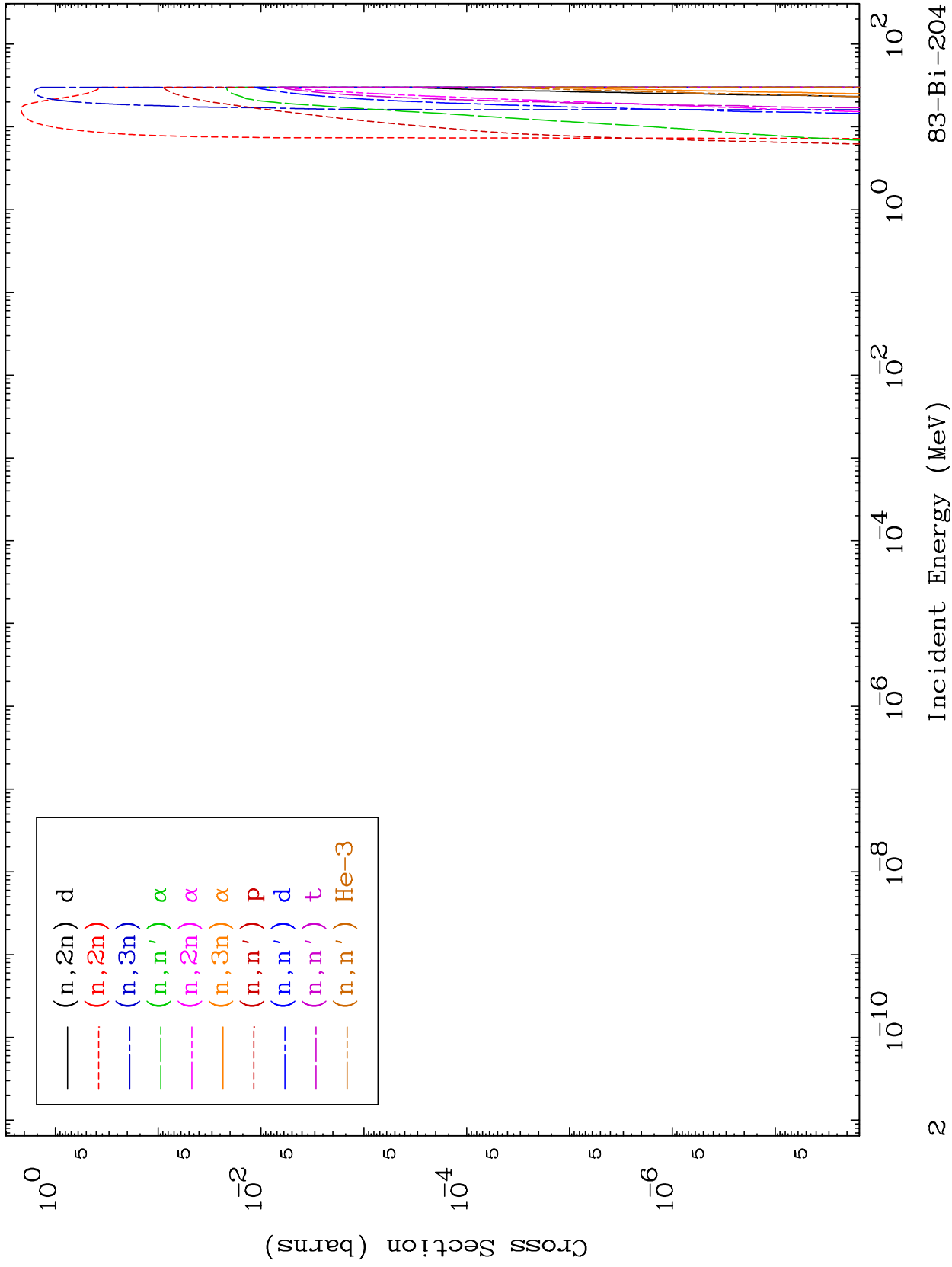
83-Bi-204



MAT 8310

Neutron Absorption  
293 Kelvin Cross Sections

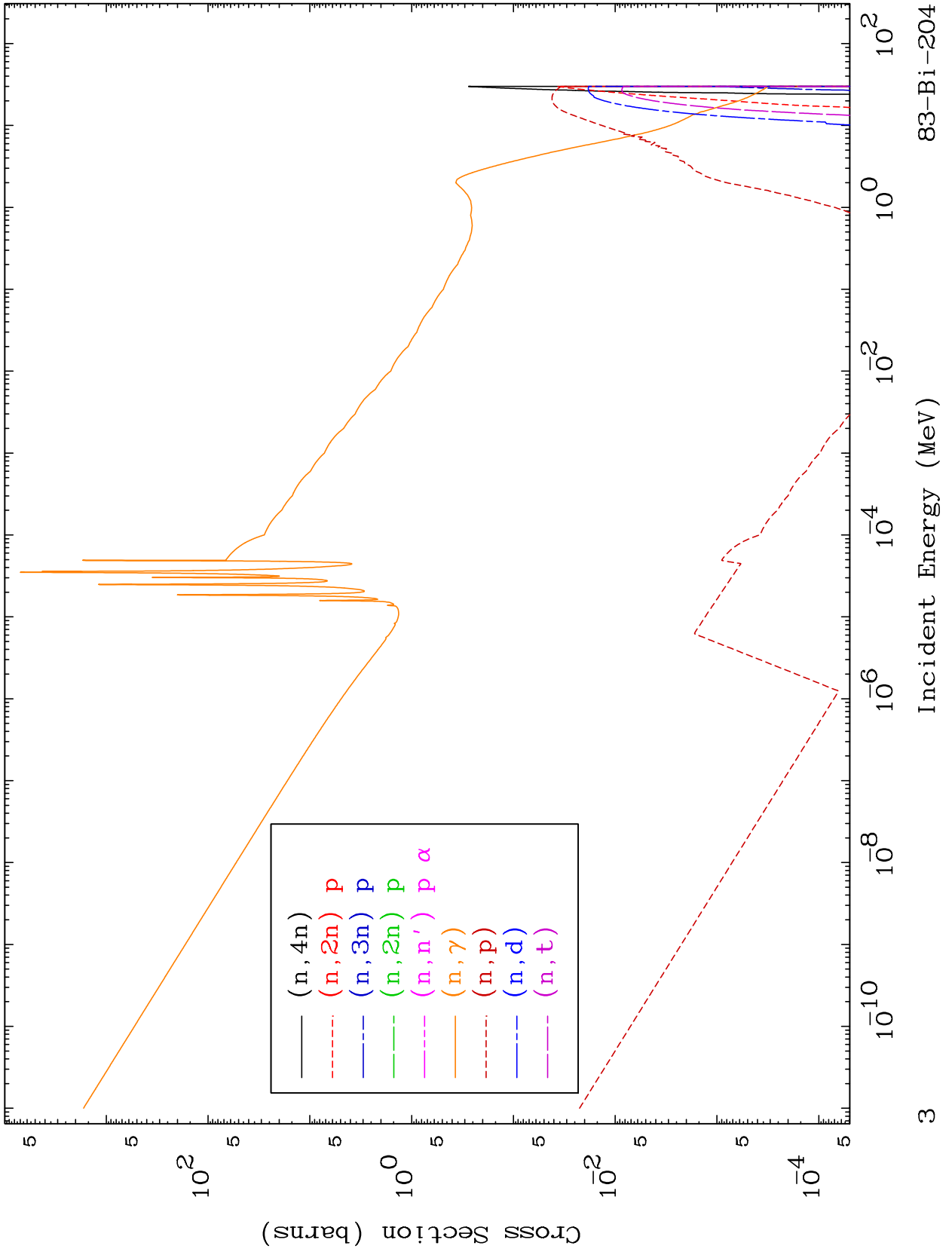
83-Bi-204



MAT 8310

Neutron Absorption  
293 Kelvin Cross Sections

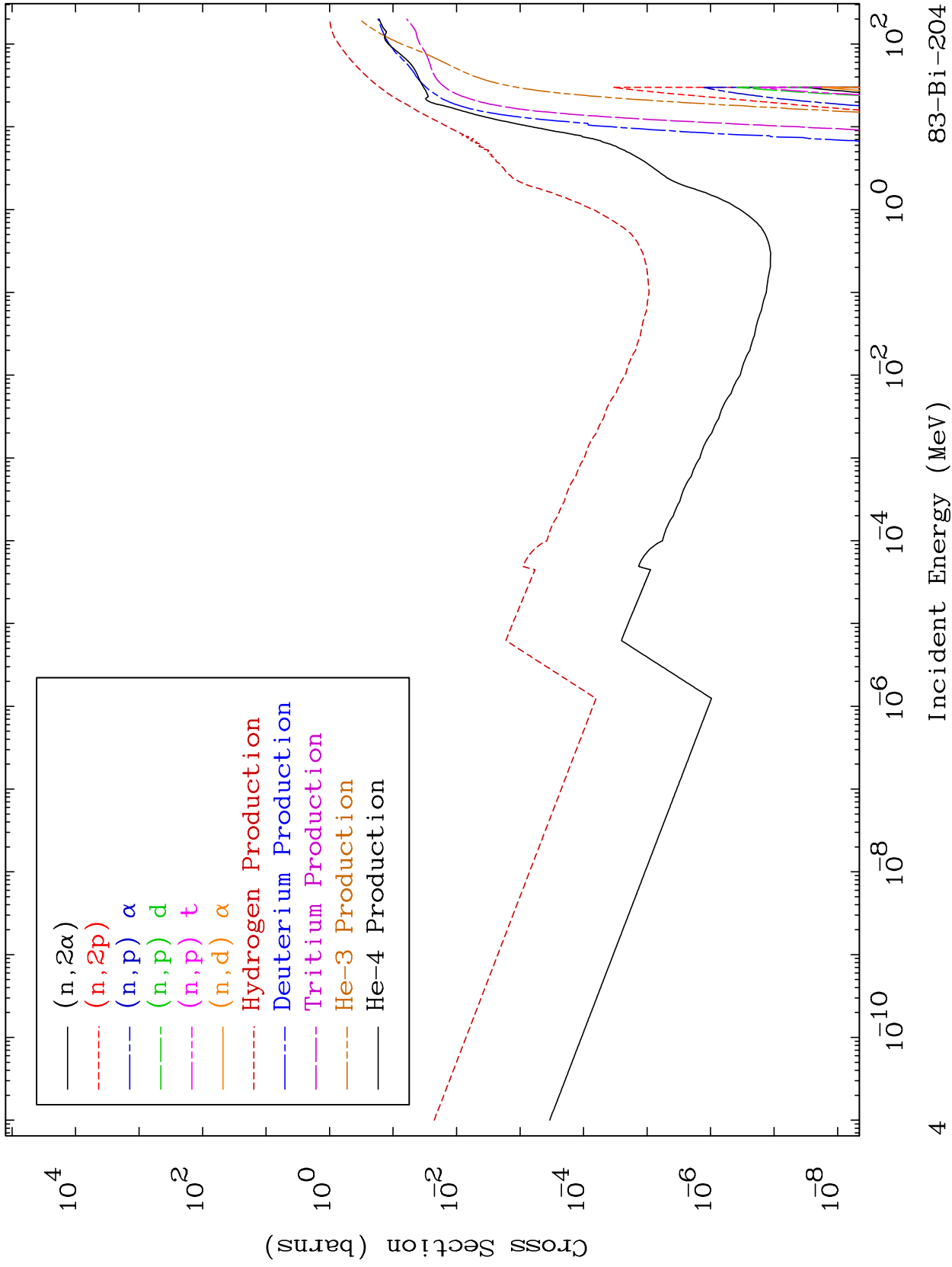
83-Bi-204



MAT 8310

Neutron Absorption  
293 Kelvin Cross Sections

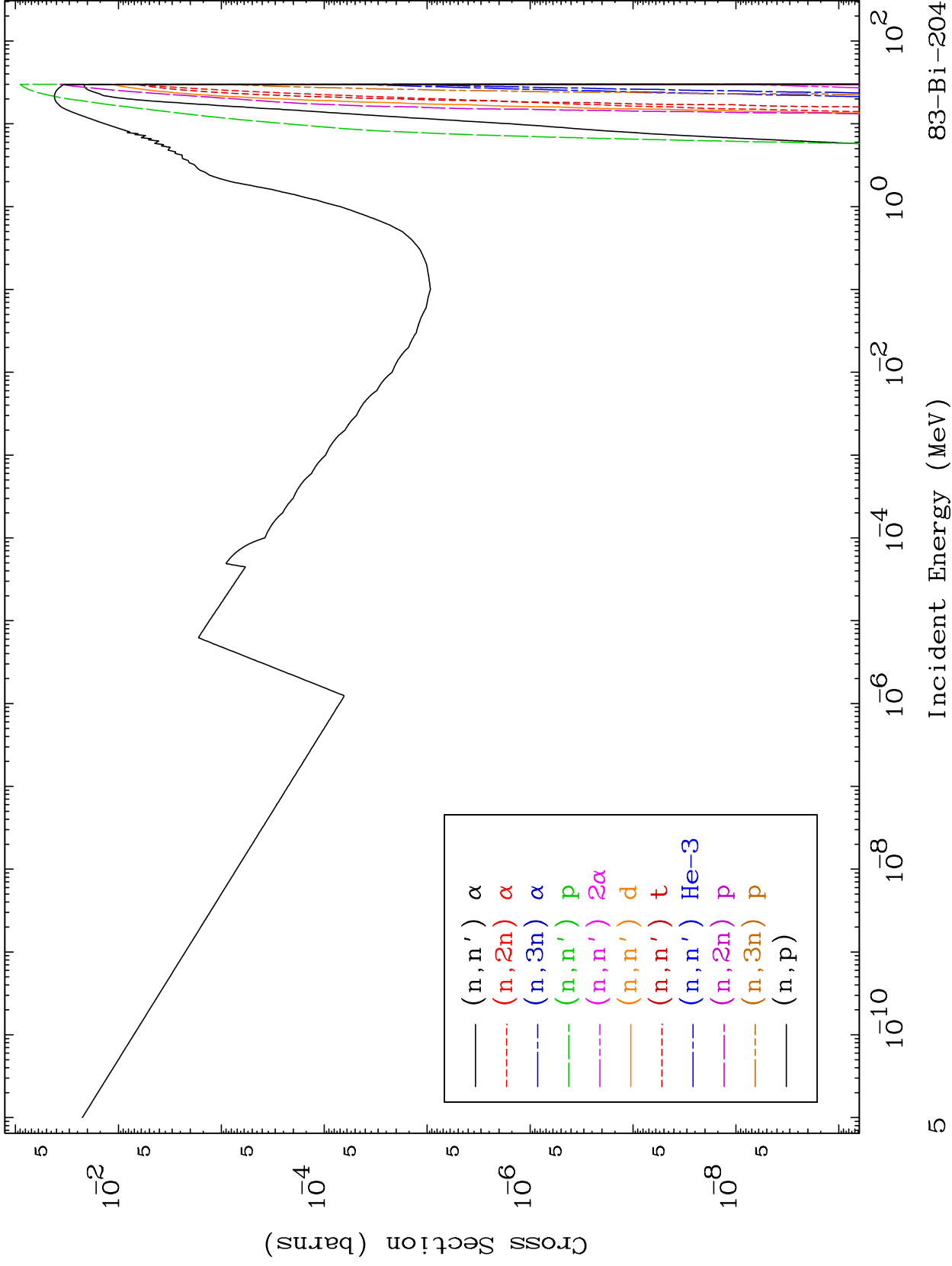
83-Bi-204



MAT 8310

Charged Particle  
293 Kelvin Cross Sections

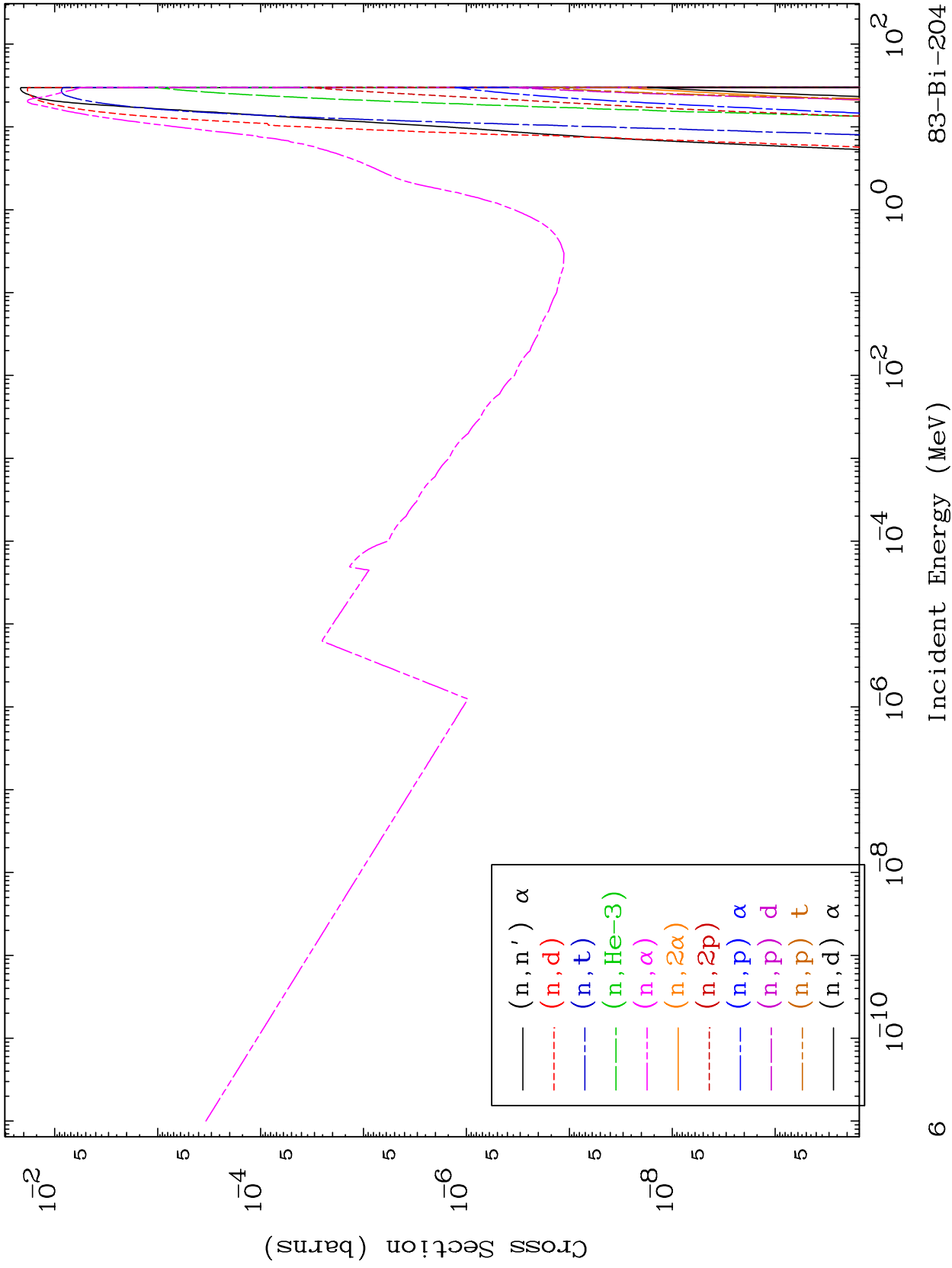
83-Bi-204



MAT 8310

Charged Particle  
293 Kelvin Cross Sections

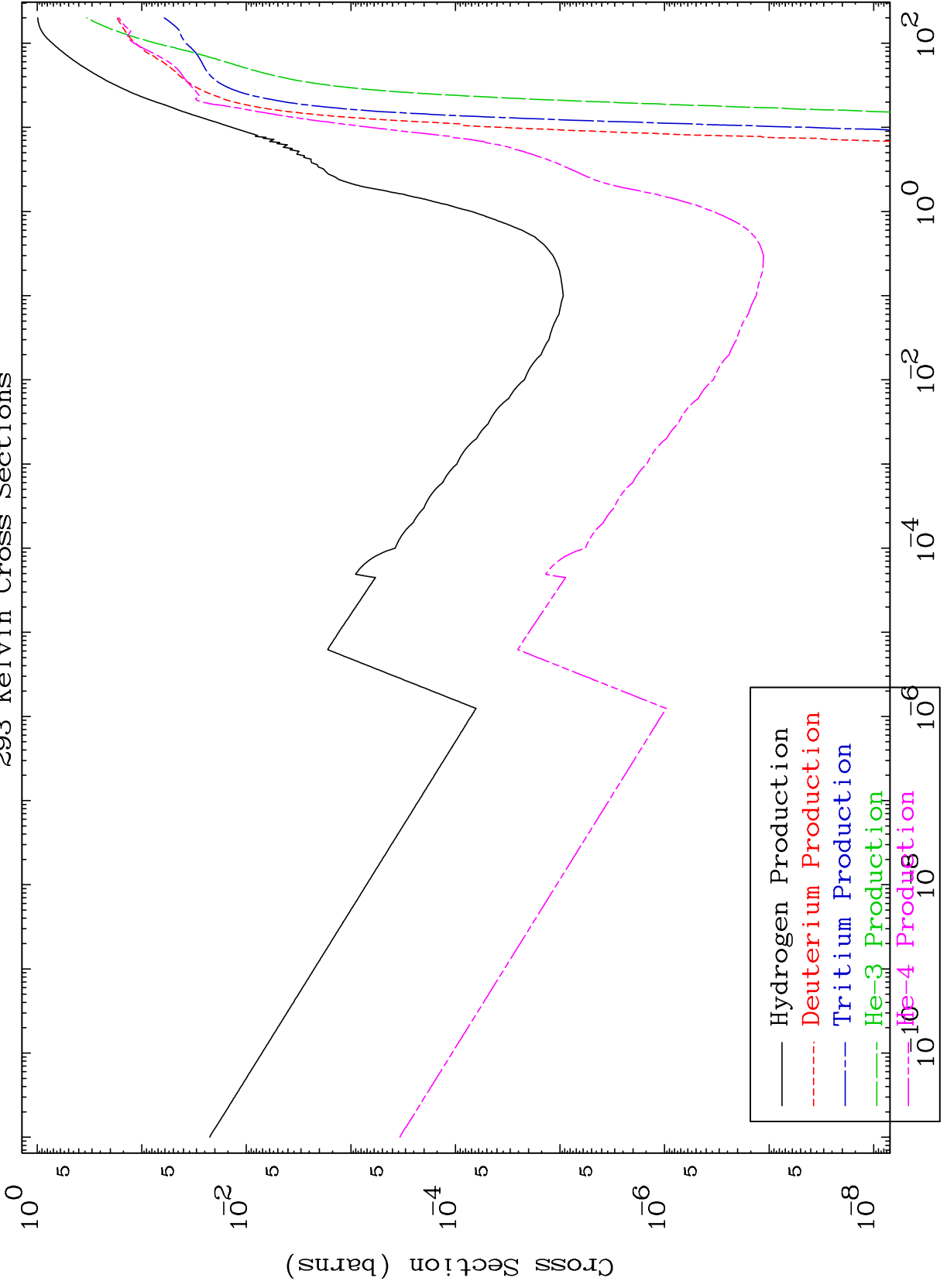
83-Bi-204



MAT 8310

Particle Production  
293 Kelvin Cross Sections

83-Bi-204

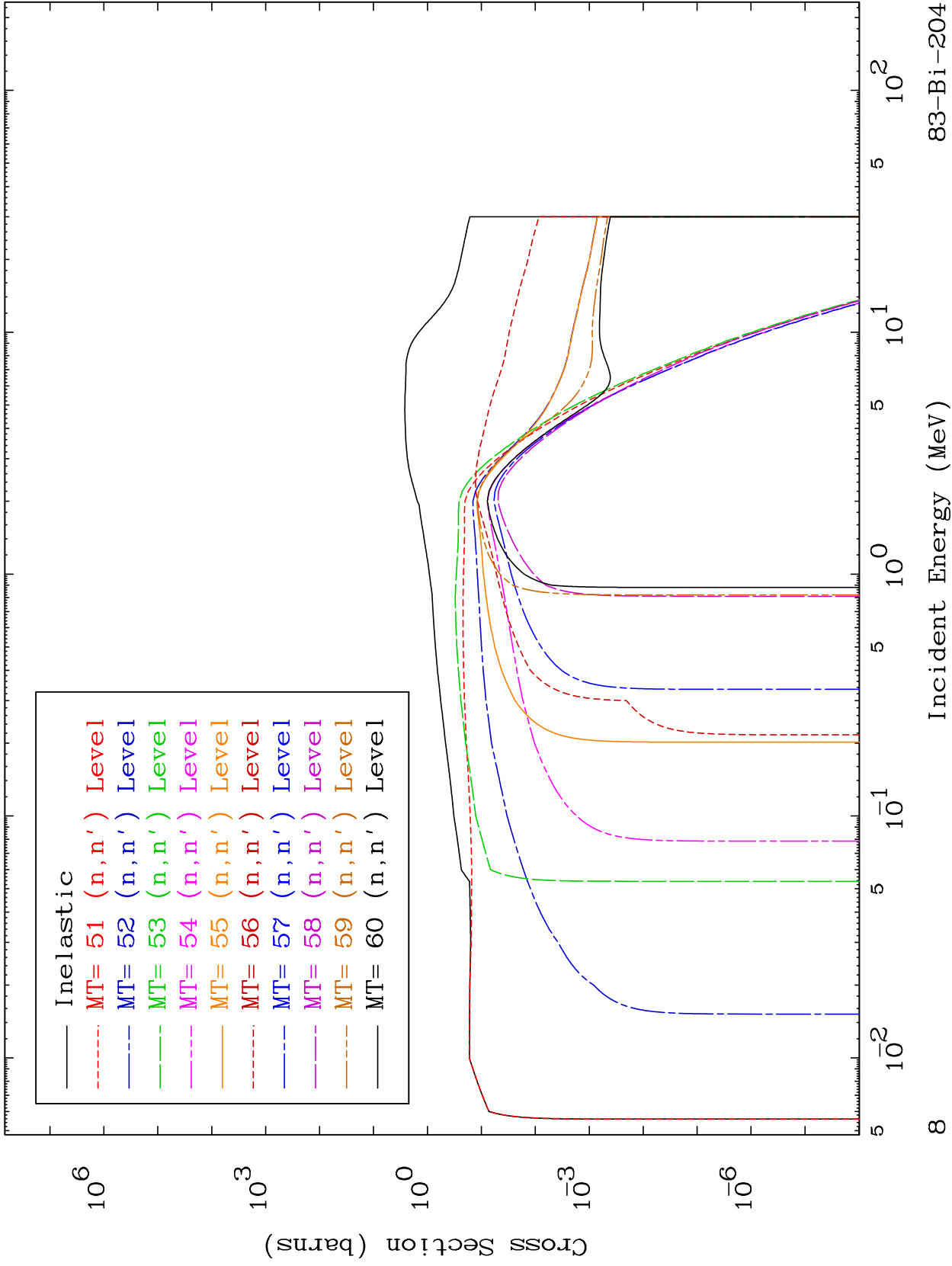




MAT 8310

(n,n') Levels  
293 Kelvin Cross Sections

83-Bi-204



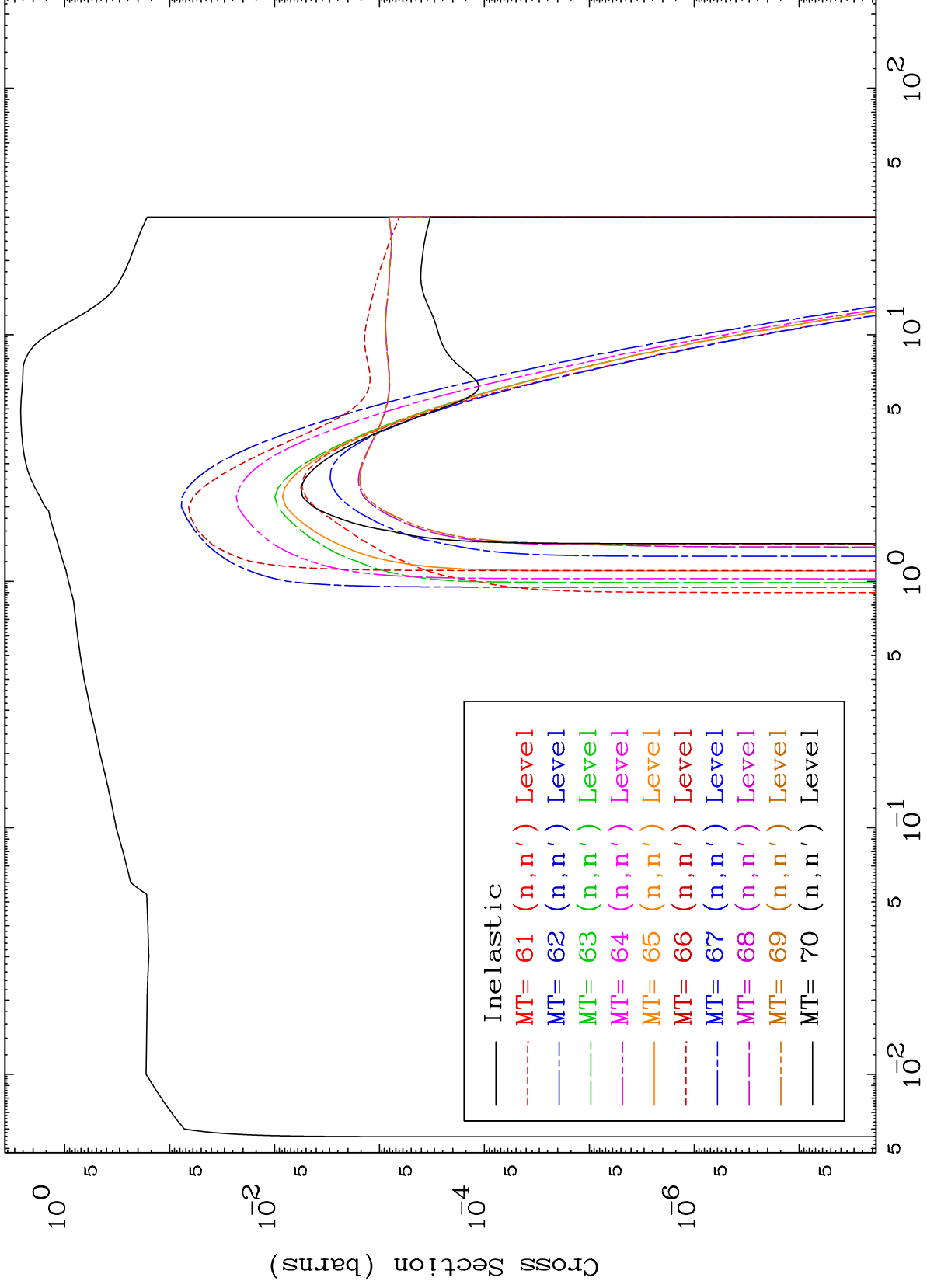
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83-Bi-204

MAT 8310

(n,n') Levels  
293 Kelvin Cross Sections

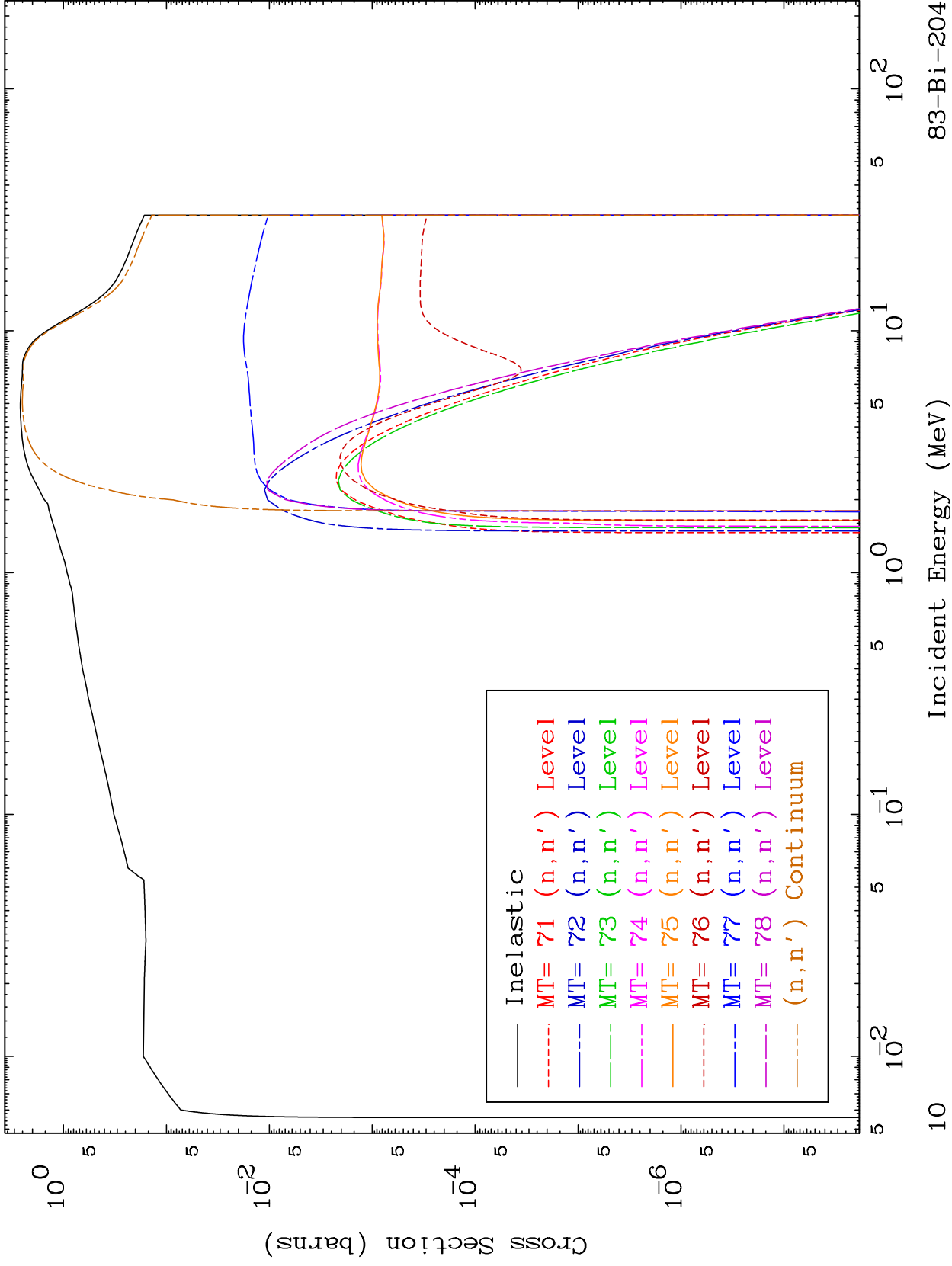
83-Bi-204



MAT 8310

293 Kelvin Cross Sections  
(n,n') Levels

83-Bi-204

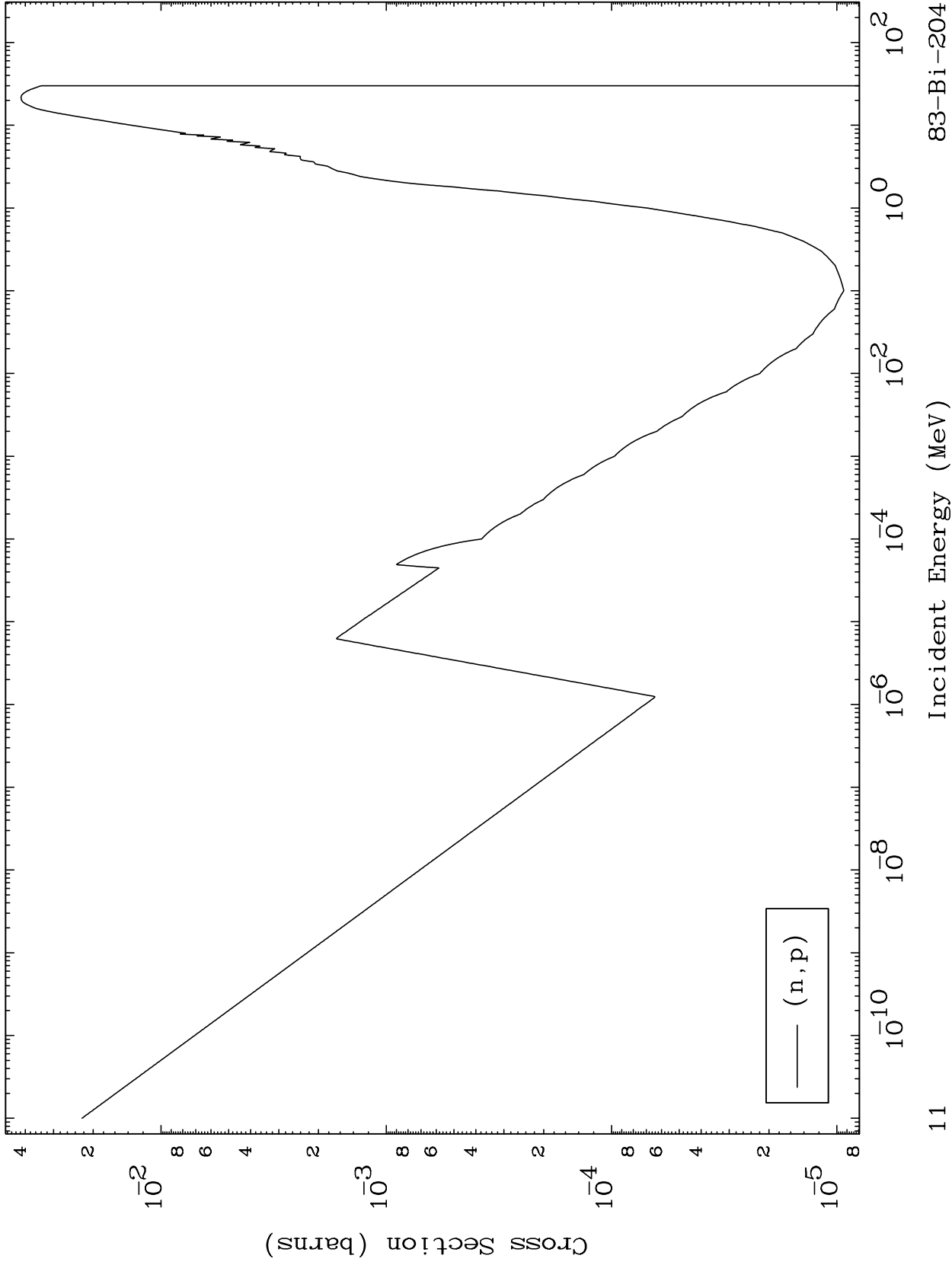


83-Bi-204

MAT 8310

(n,p) Levels  
293 Kelvin Cross Sections

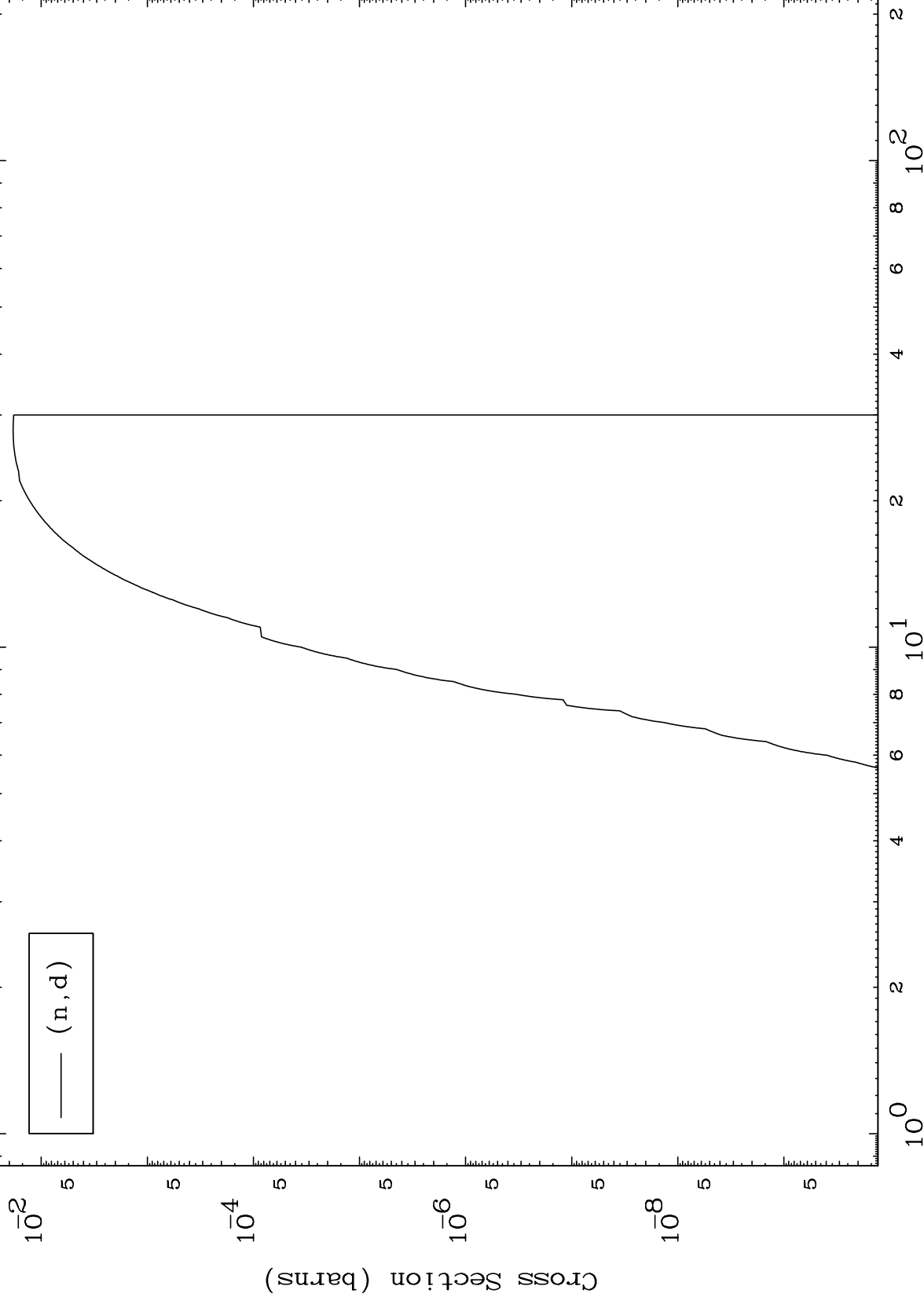
83-Bi-204



MAT 8310

(n,d) Levels  
293 Kelvin Cross Sections

83-Bi-204



Incident Energy (MeV)

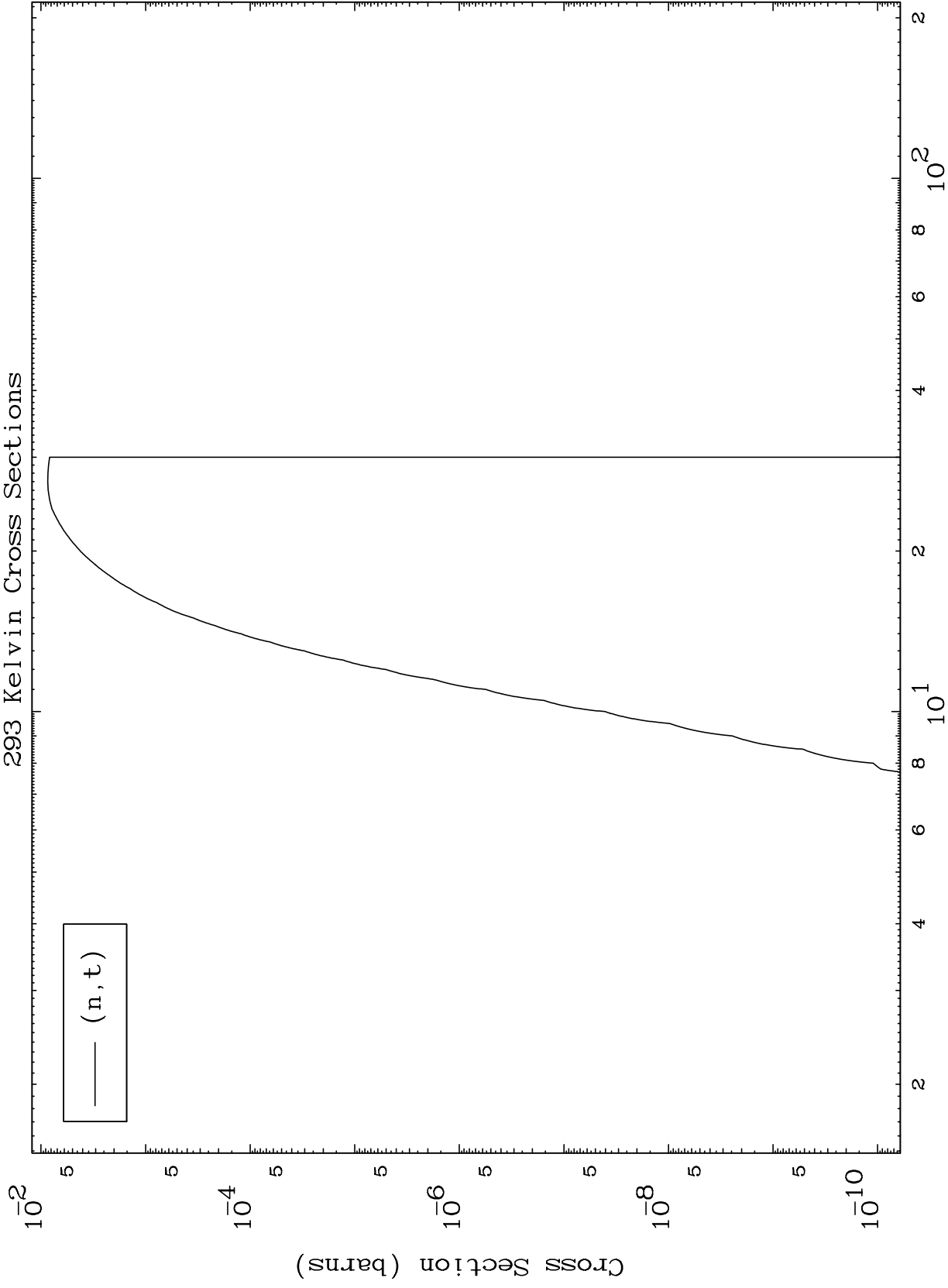
83-Bi-204

12

MAT 8310

(n,t) Levels  
293 Kelvin Cross Sections

83-Bi-204



13

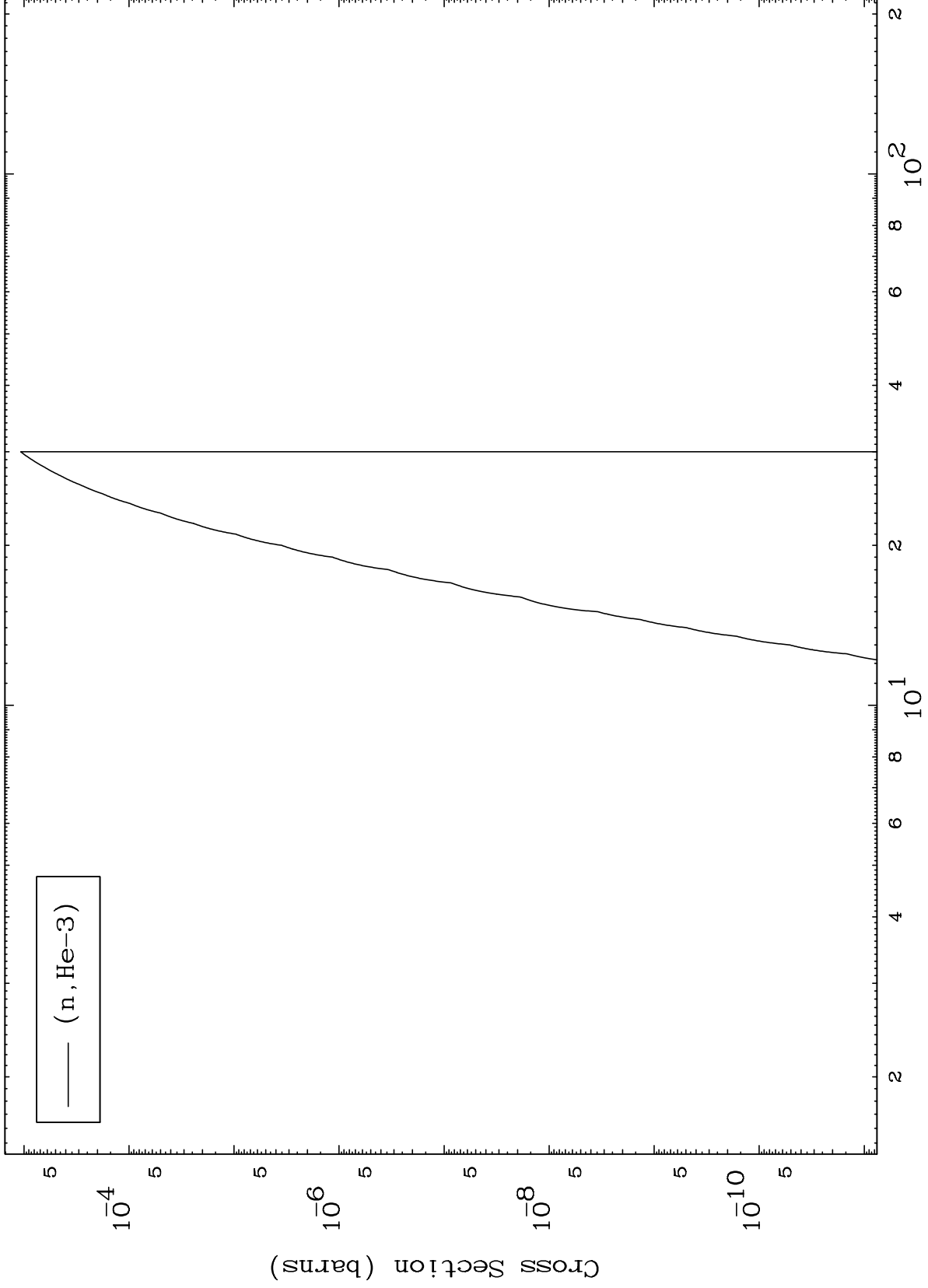
Incident Energy (MeV)

83-Bi-204

MAT 8310

(n,He3) Levels  
293 Kelvin Cross Sections

83-Bi-204



14

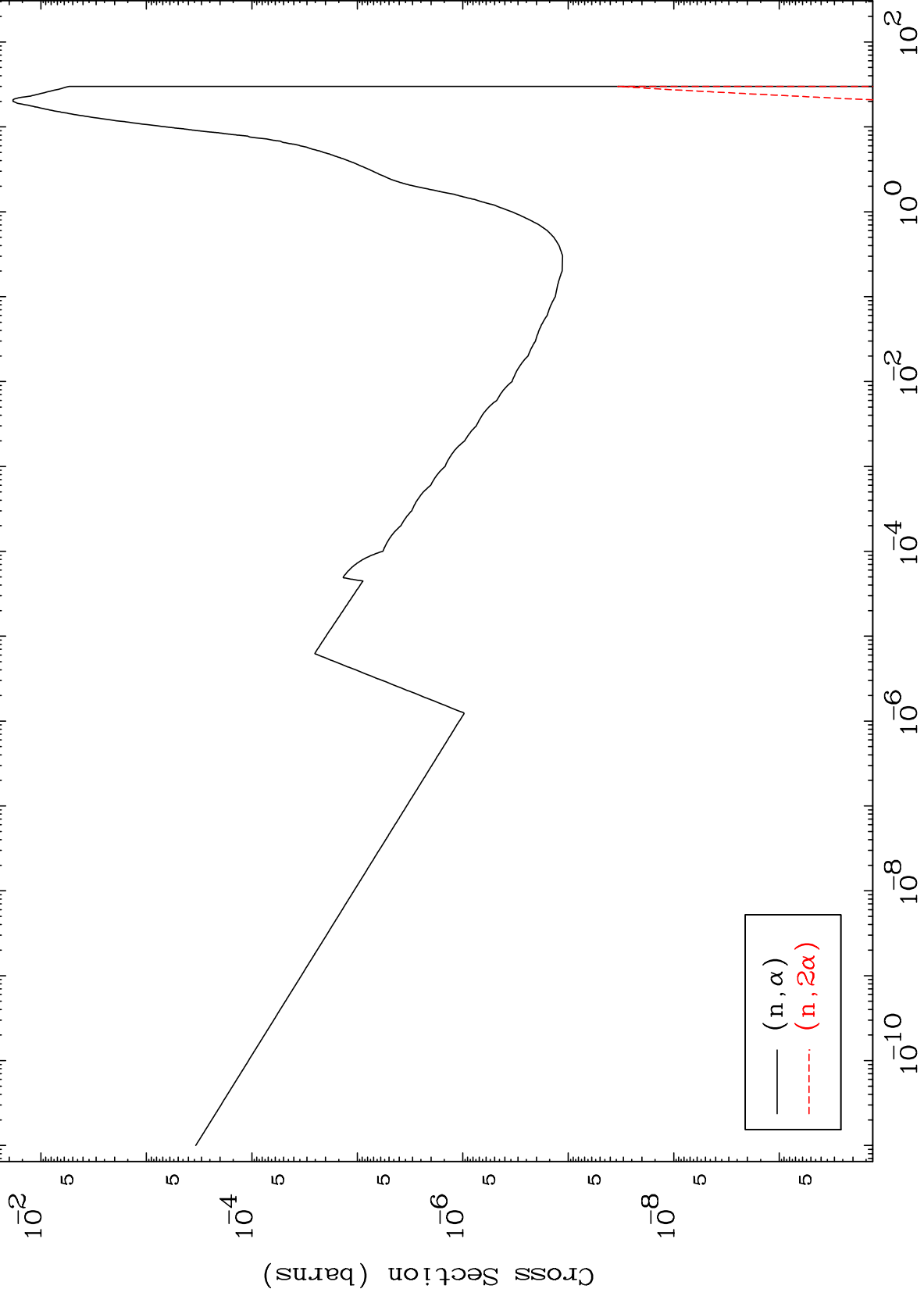
Incident Energy (MeV)

83-Bi-204

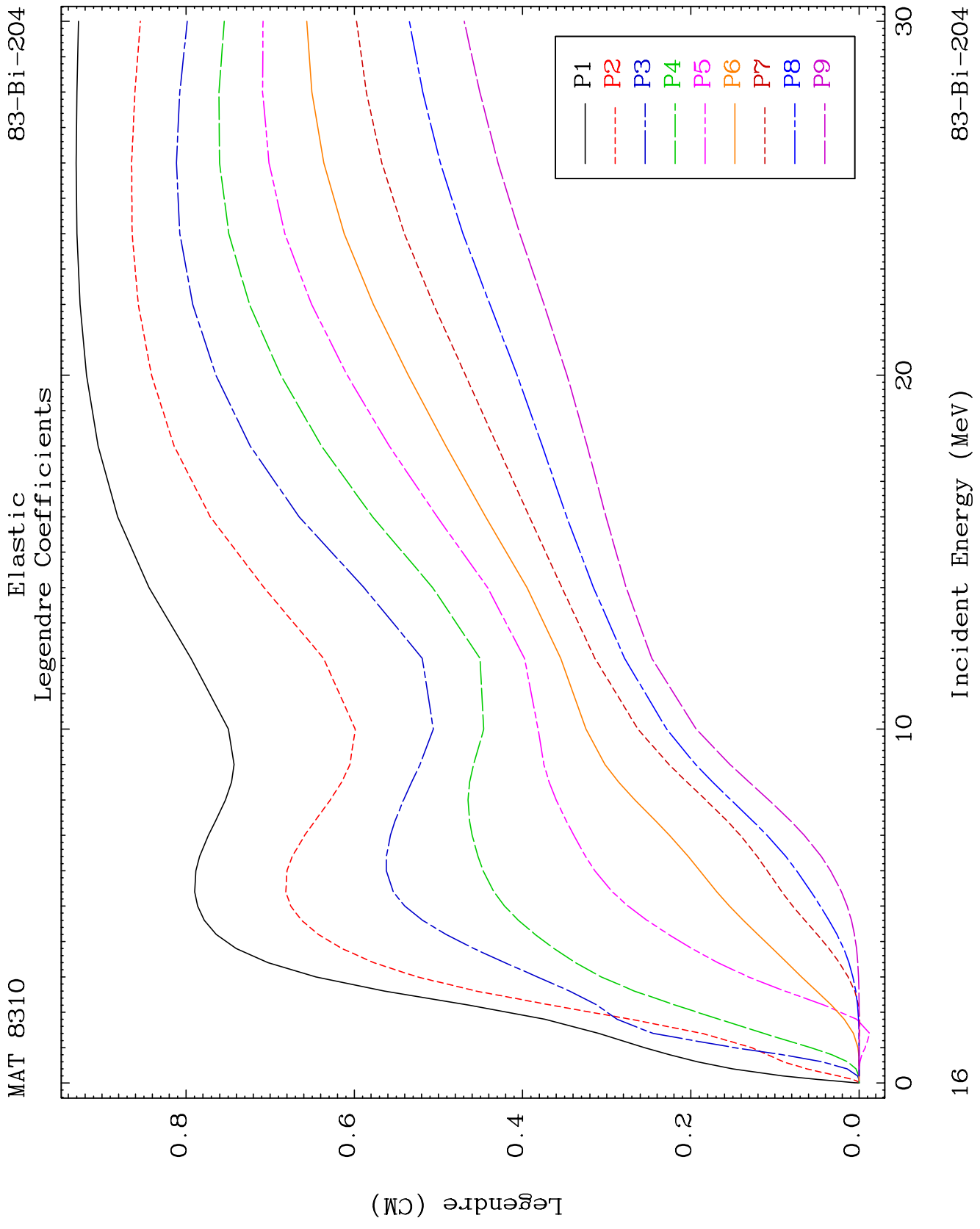
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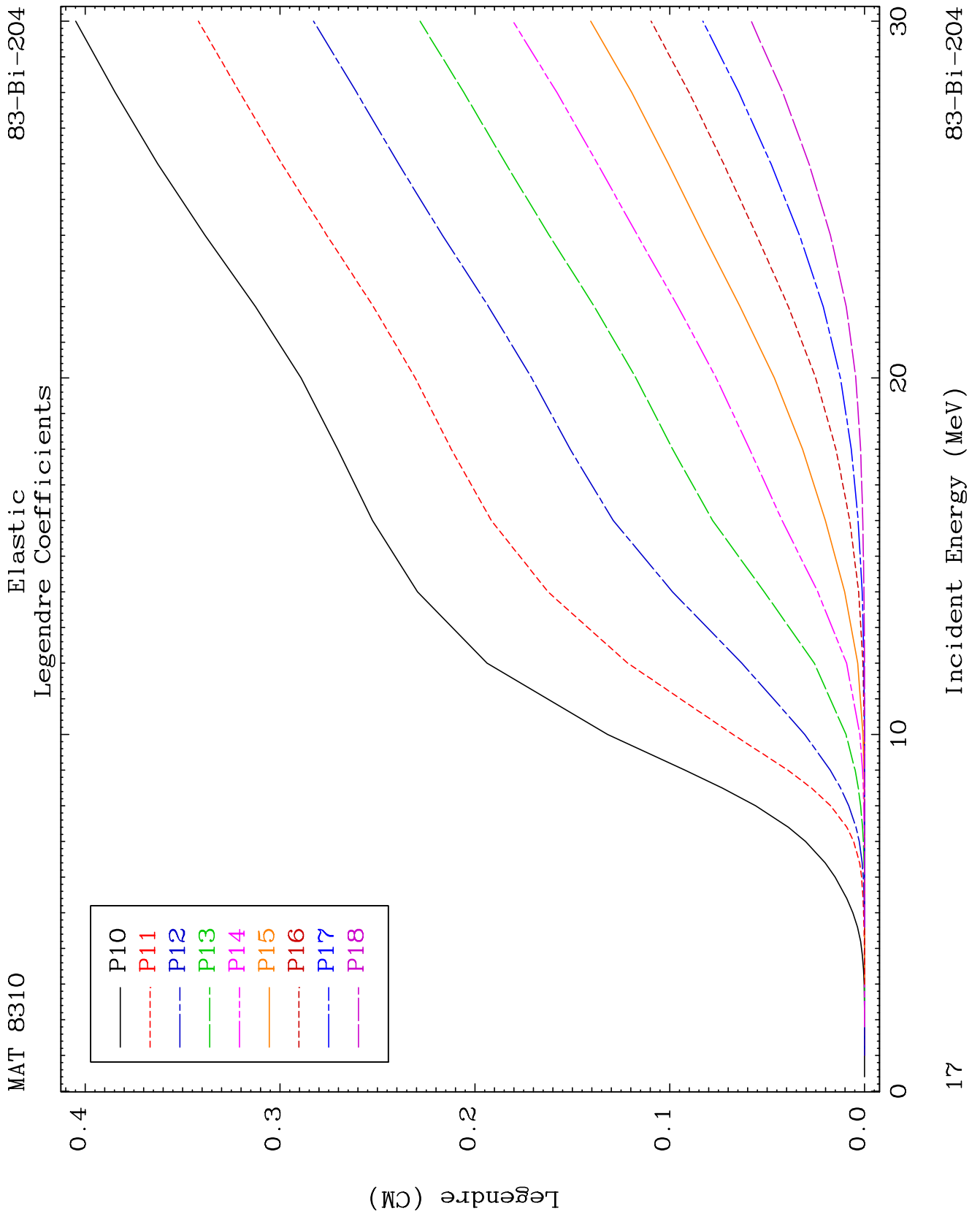
(n,α) Levels  
293 Kelvin Cross Sections

83-Bi-204





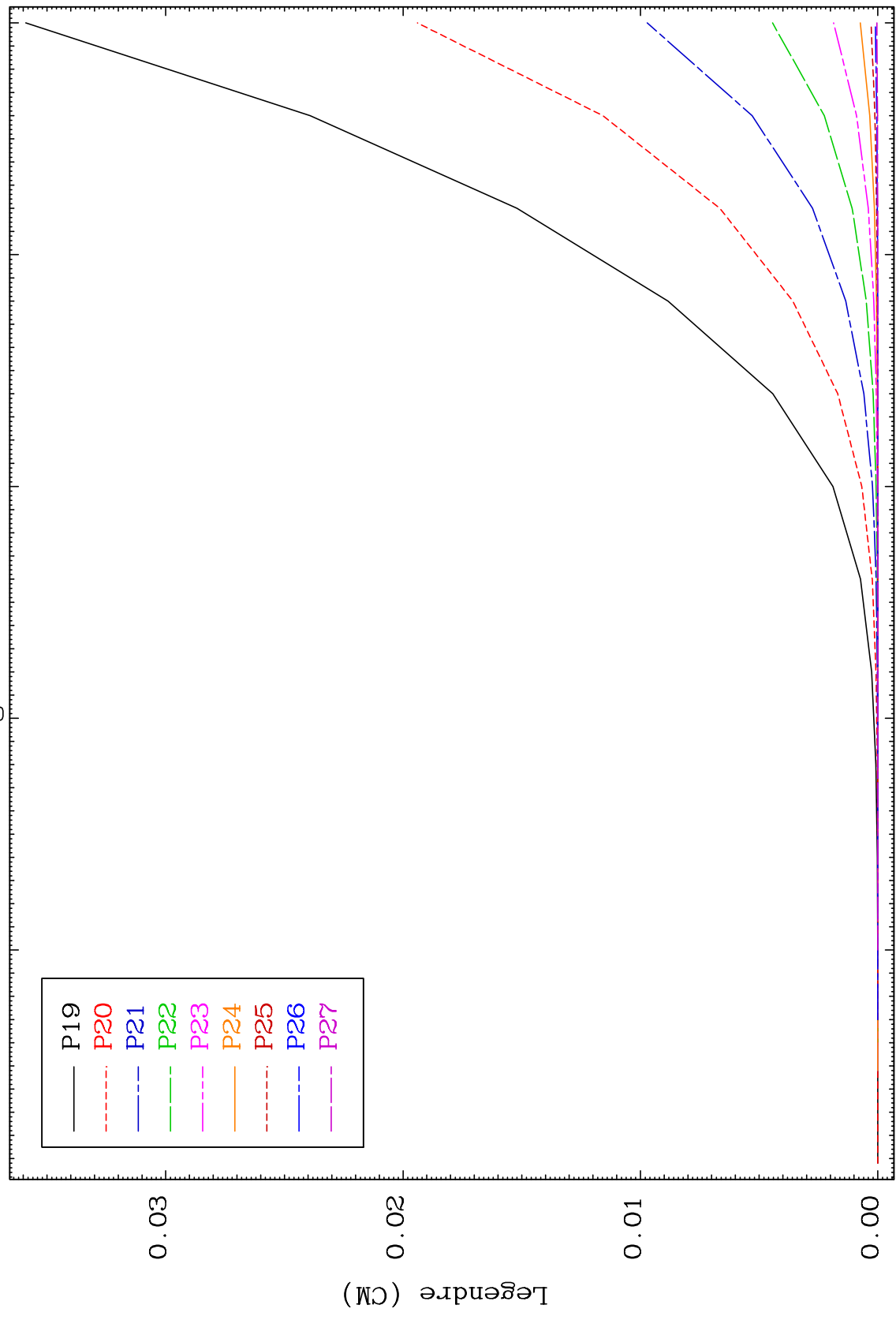




MAT 8310

Elastic Legendre Coefficients

83-Bi-204



18

Incident Energy (MeV)

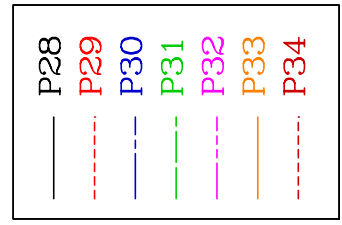
83-Bi-204

30

MAT 8310

Elastic Legendre Coefficients

83-Bi-204



$\times 10^{-5}$

Legendre (CM)

10

15

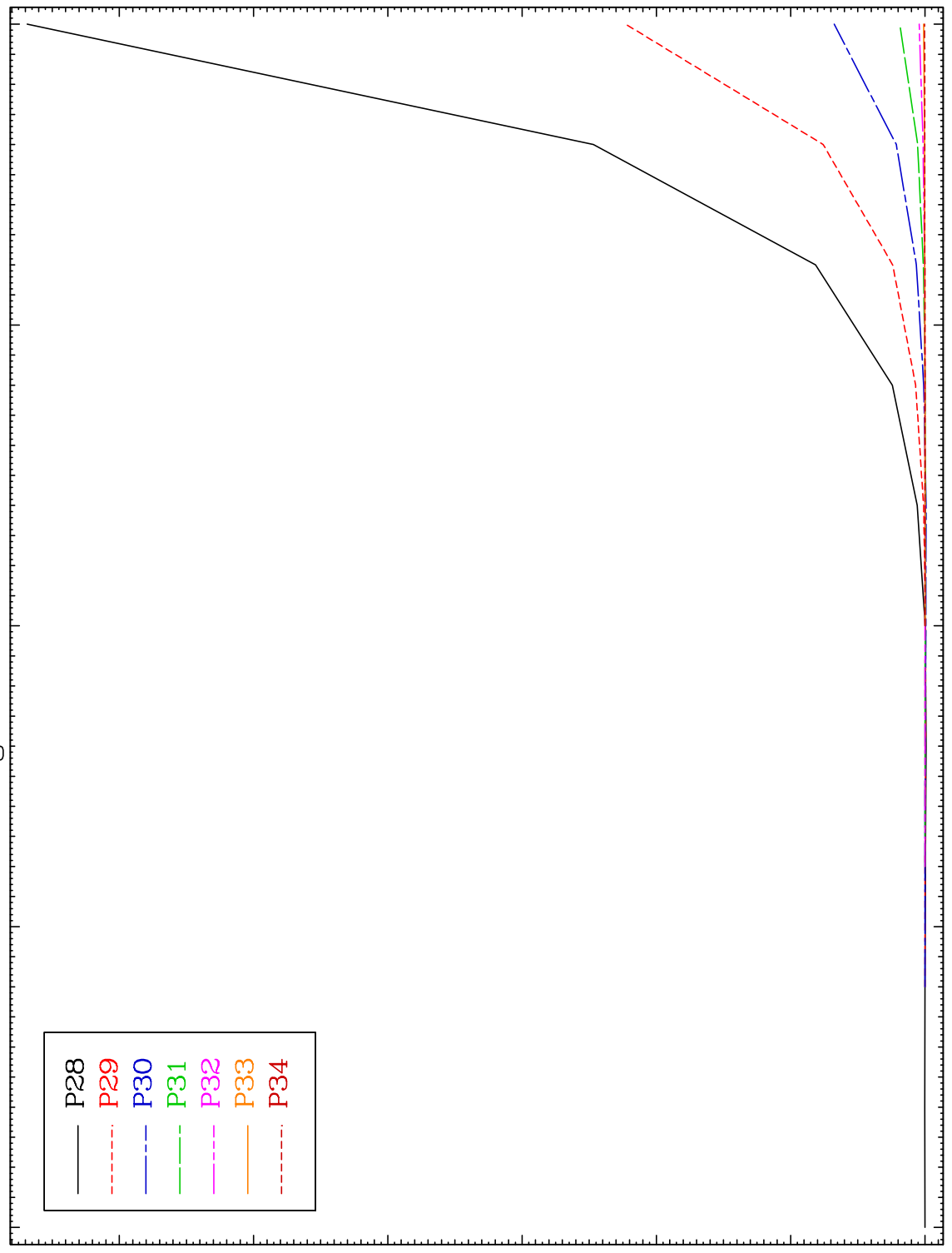
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25

30

Incident Energy (MeV)

83-Bi-204

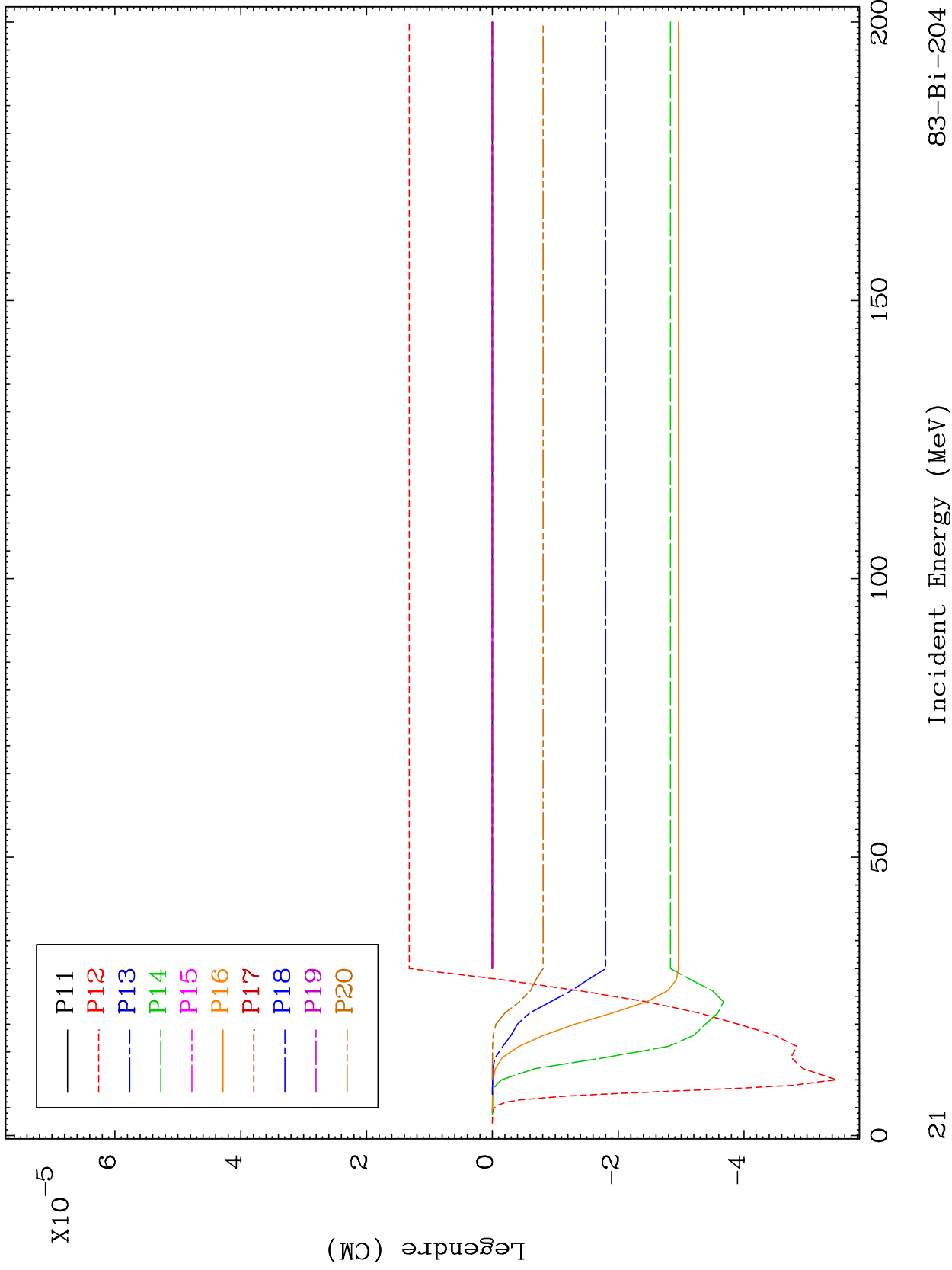


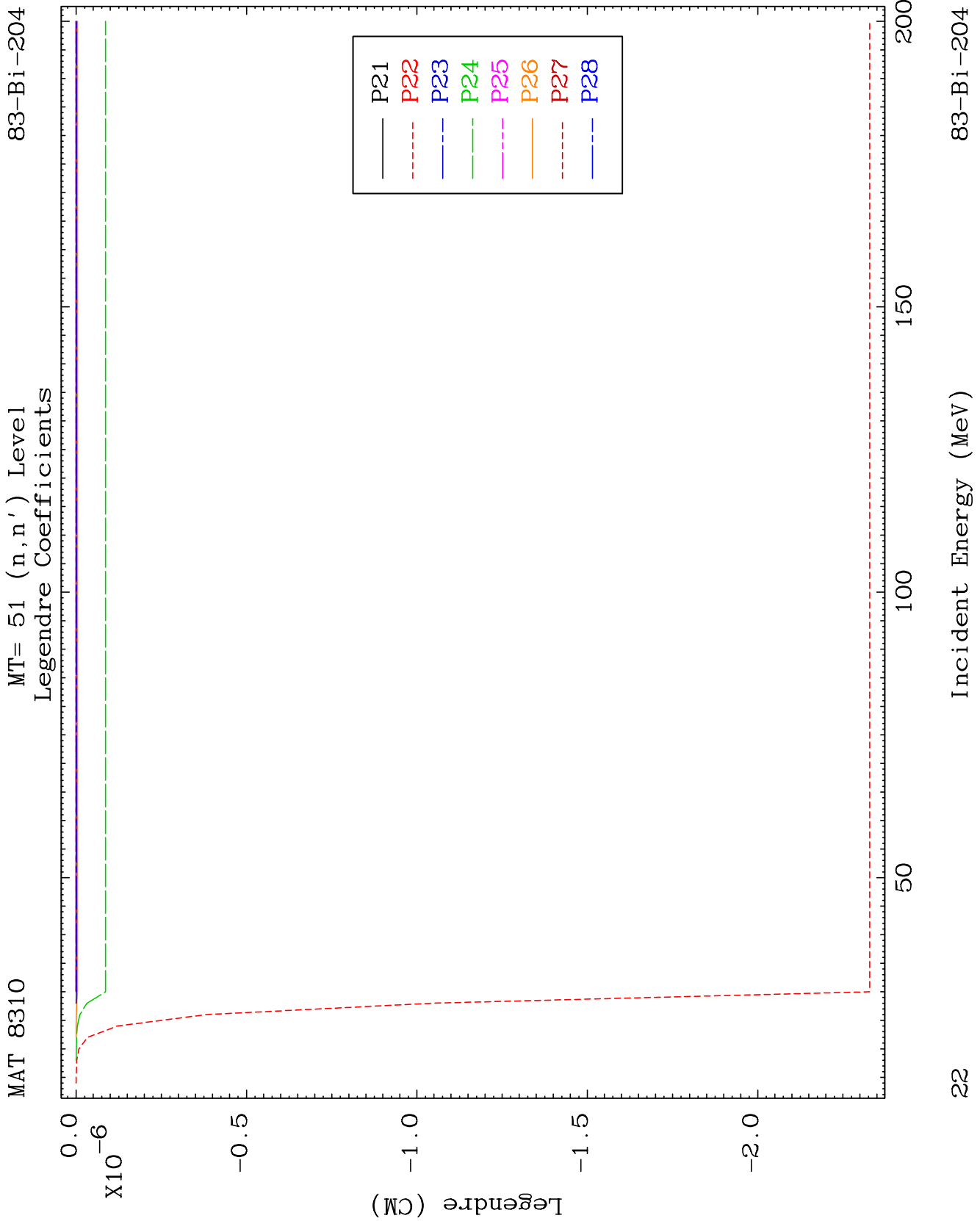


MAT 8310

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

83-Bi-204

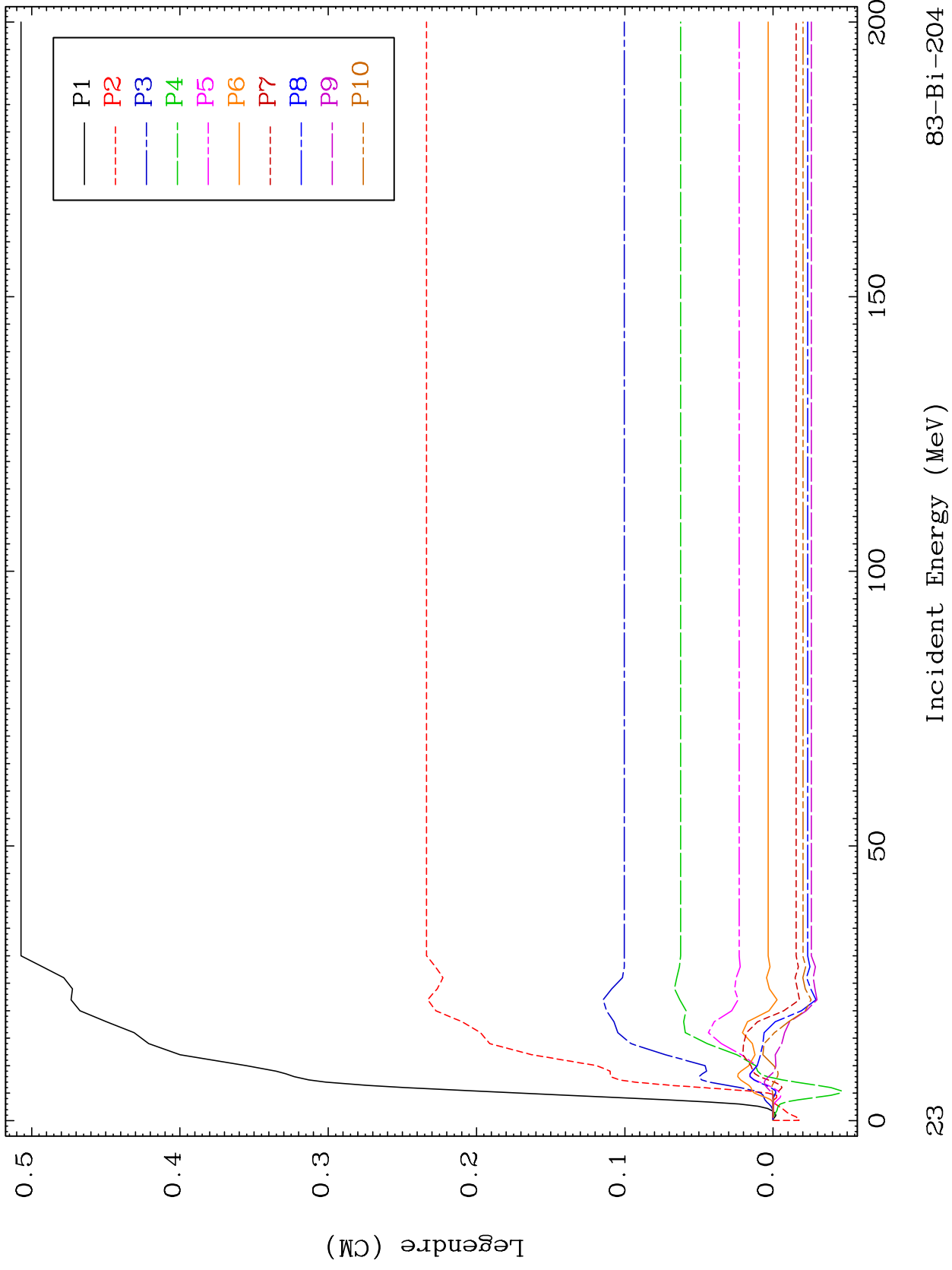




MAT 8310

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

83-Bi-204



23

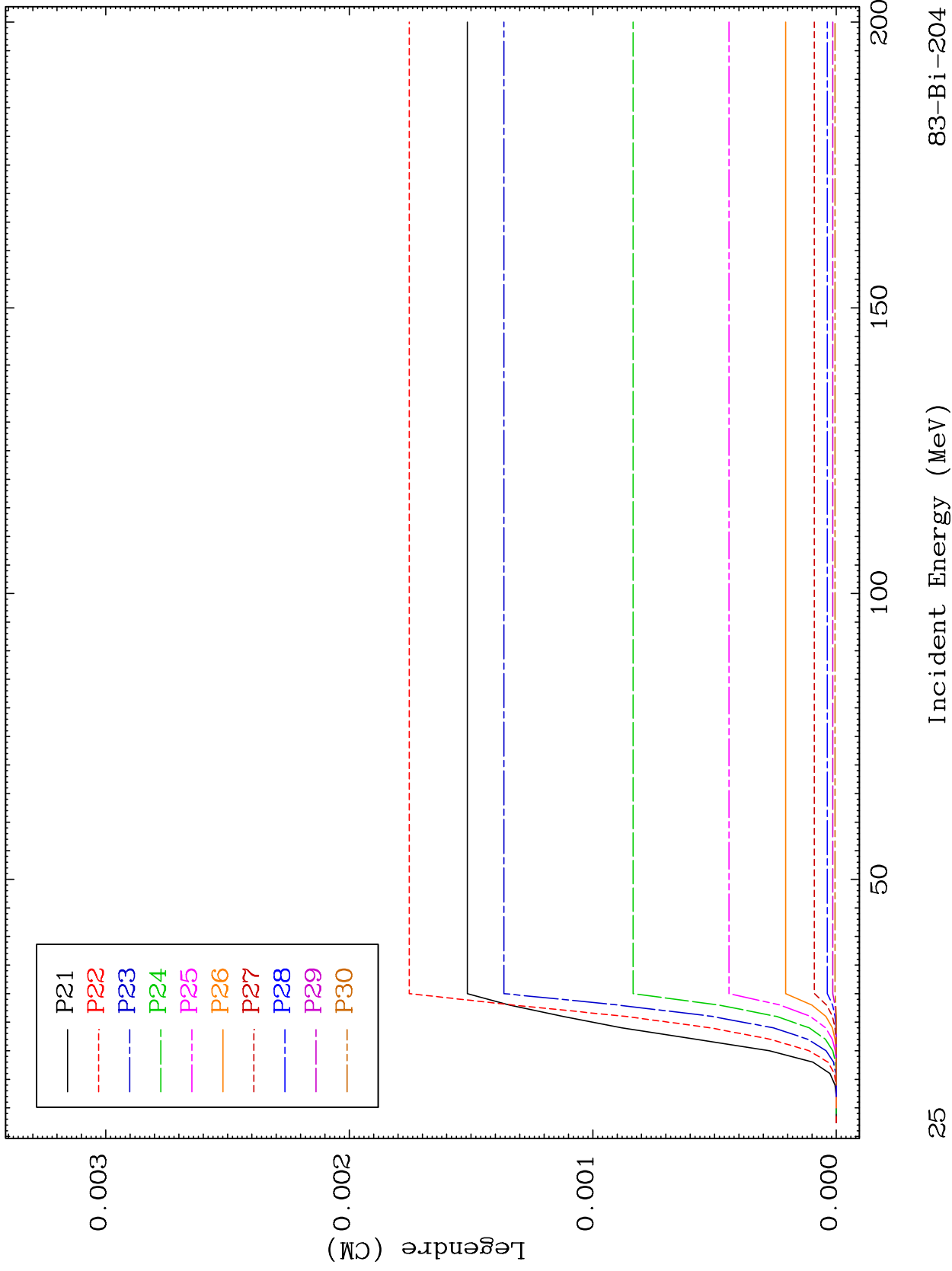




MAT 8310

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

83-Bi-204



25

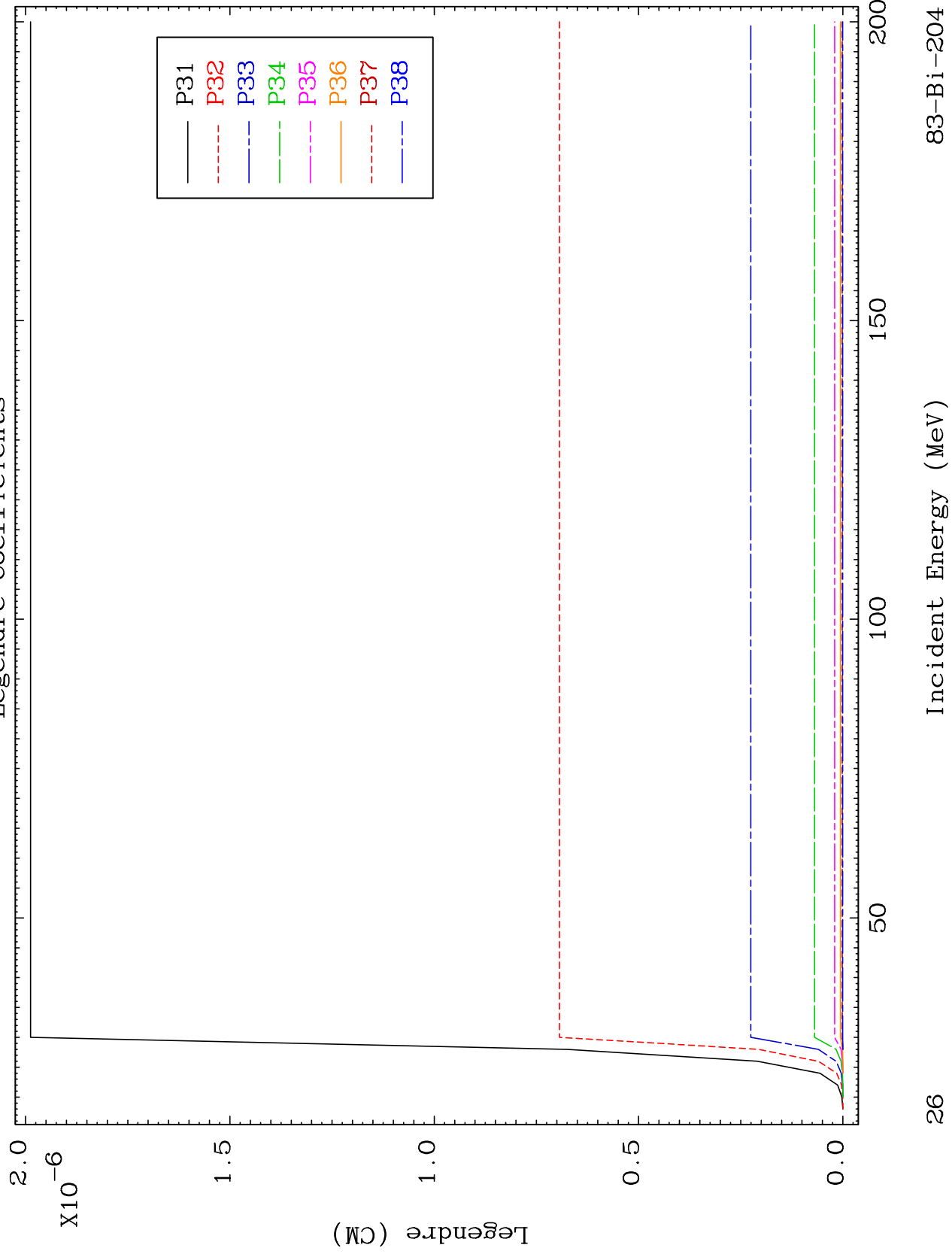
Incident Energy (MeV)

83-Bi-204

MAT 8310

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

83-Bi-204



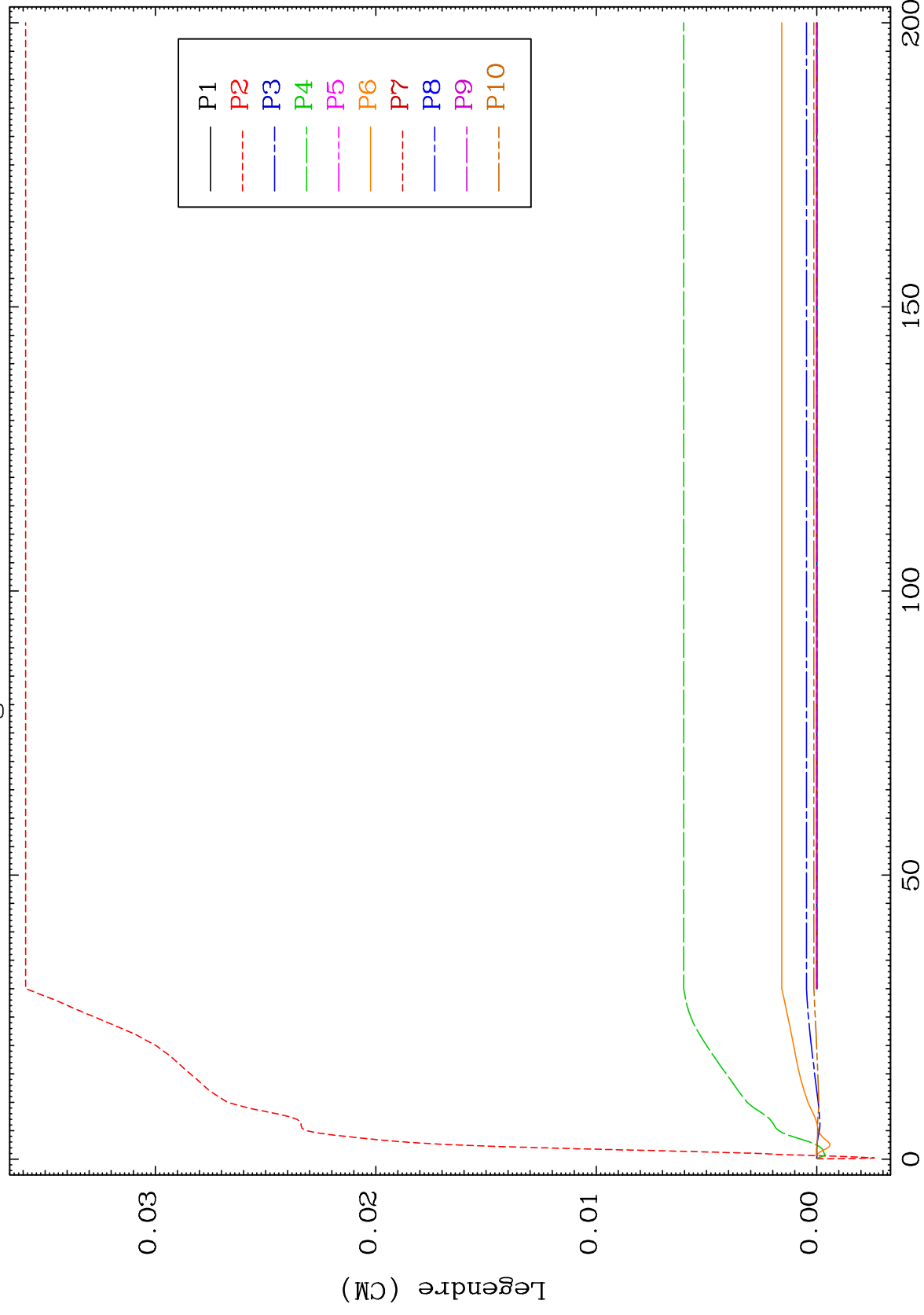
26

83-Bi-204

MAT 8310

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

83-Bi-204



27

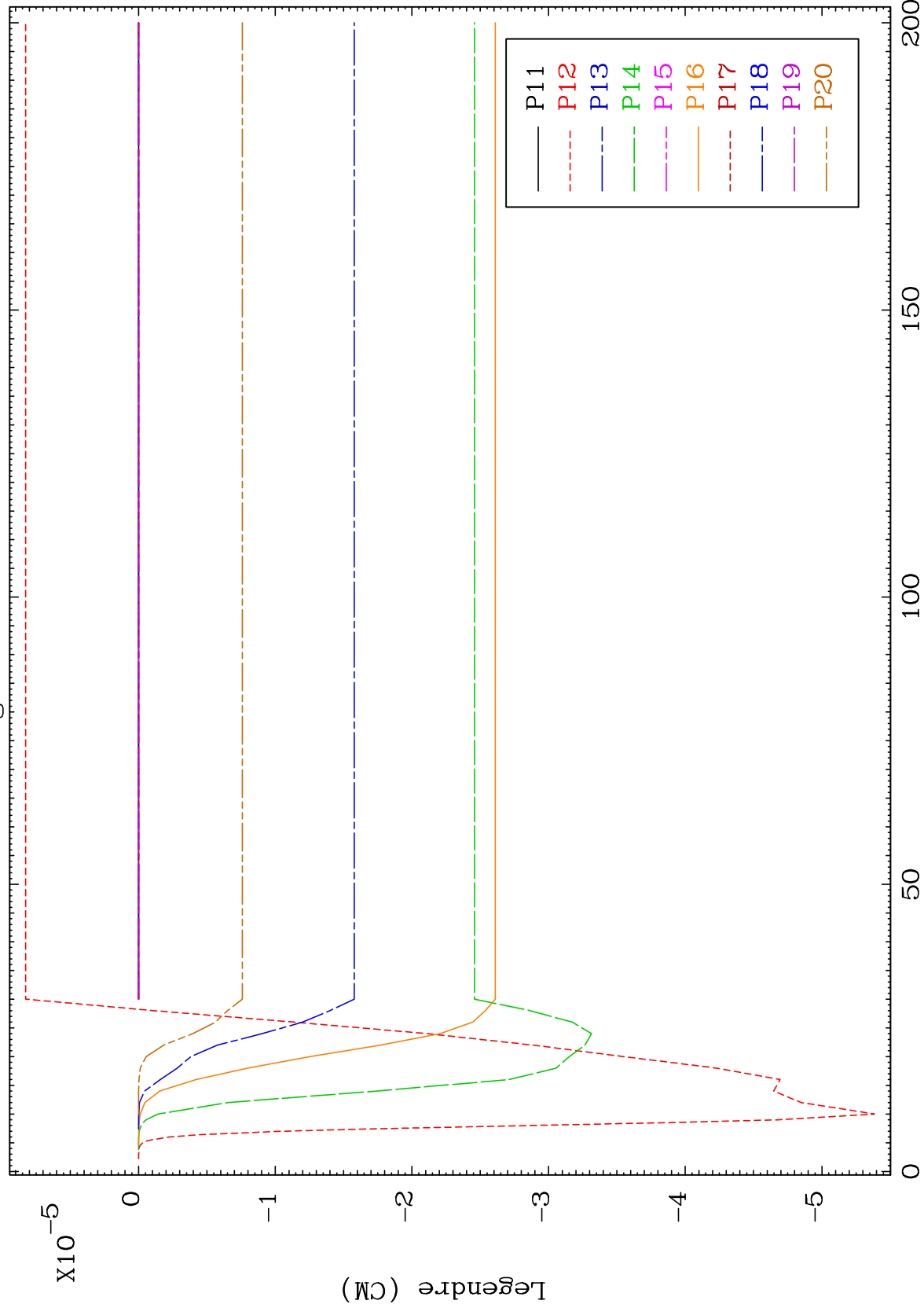
Incident Energy (MeV)

83-Bi-204

MAT 8310

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

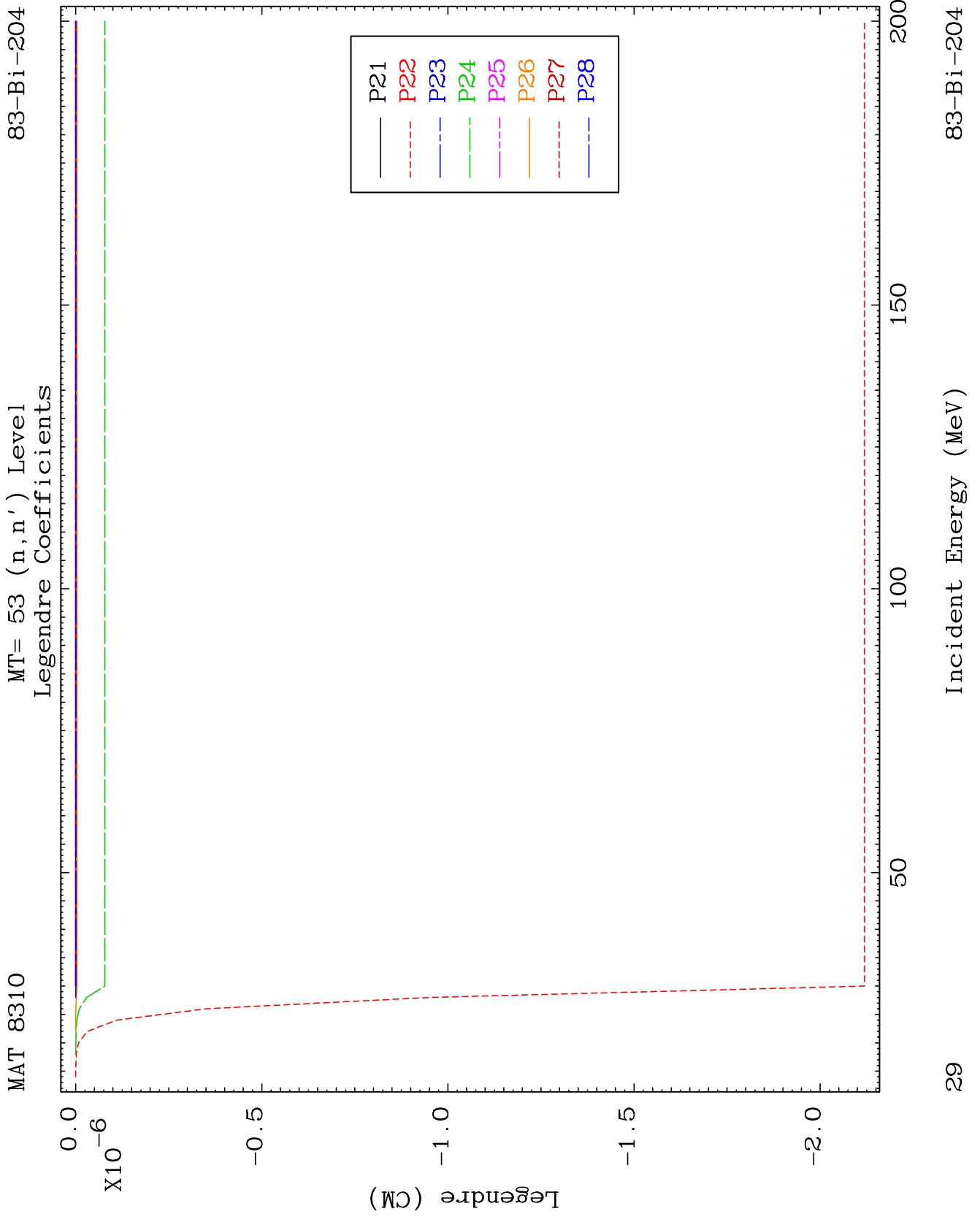
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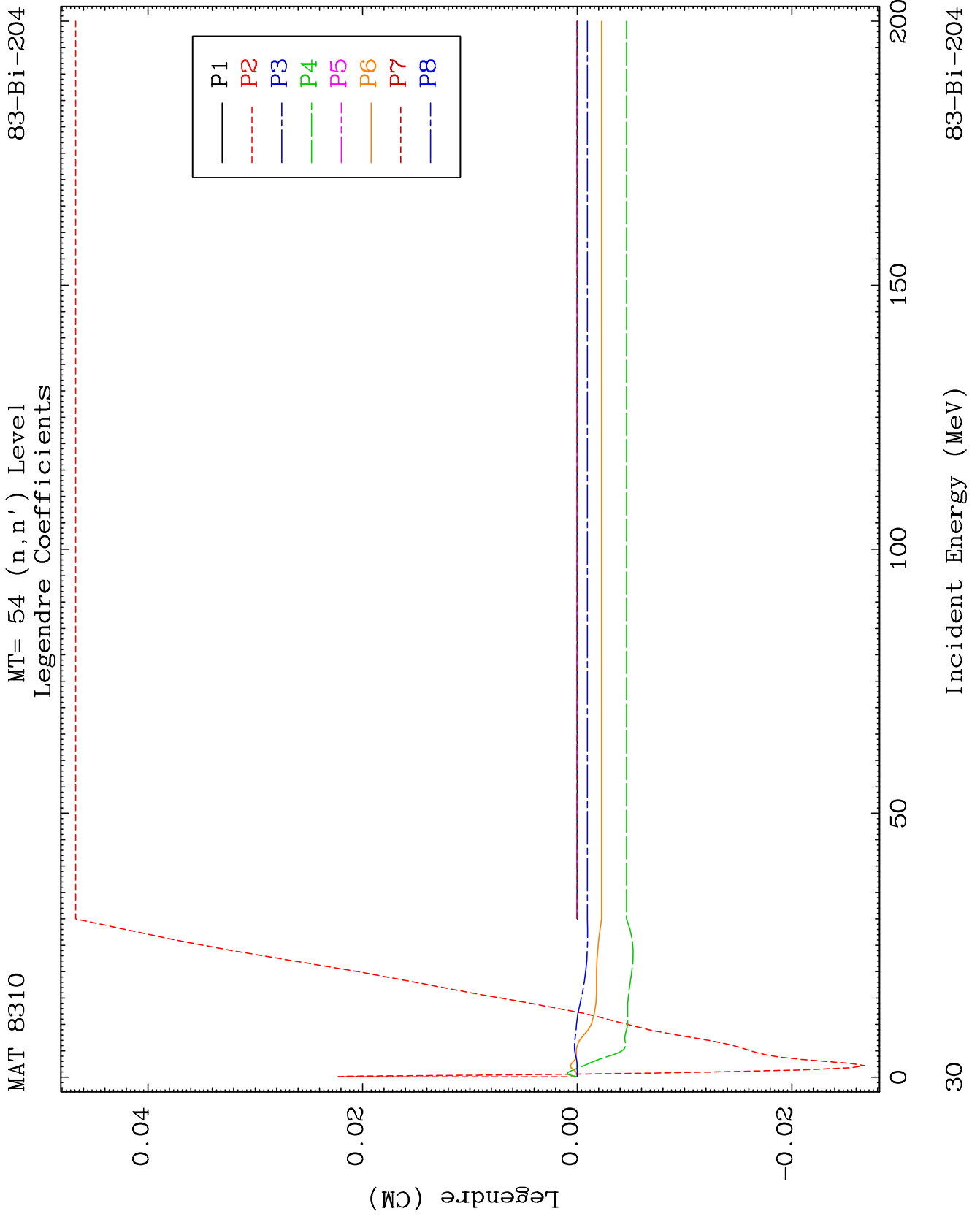


28

Incident Energy (MeV)

83-Bi-204

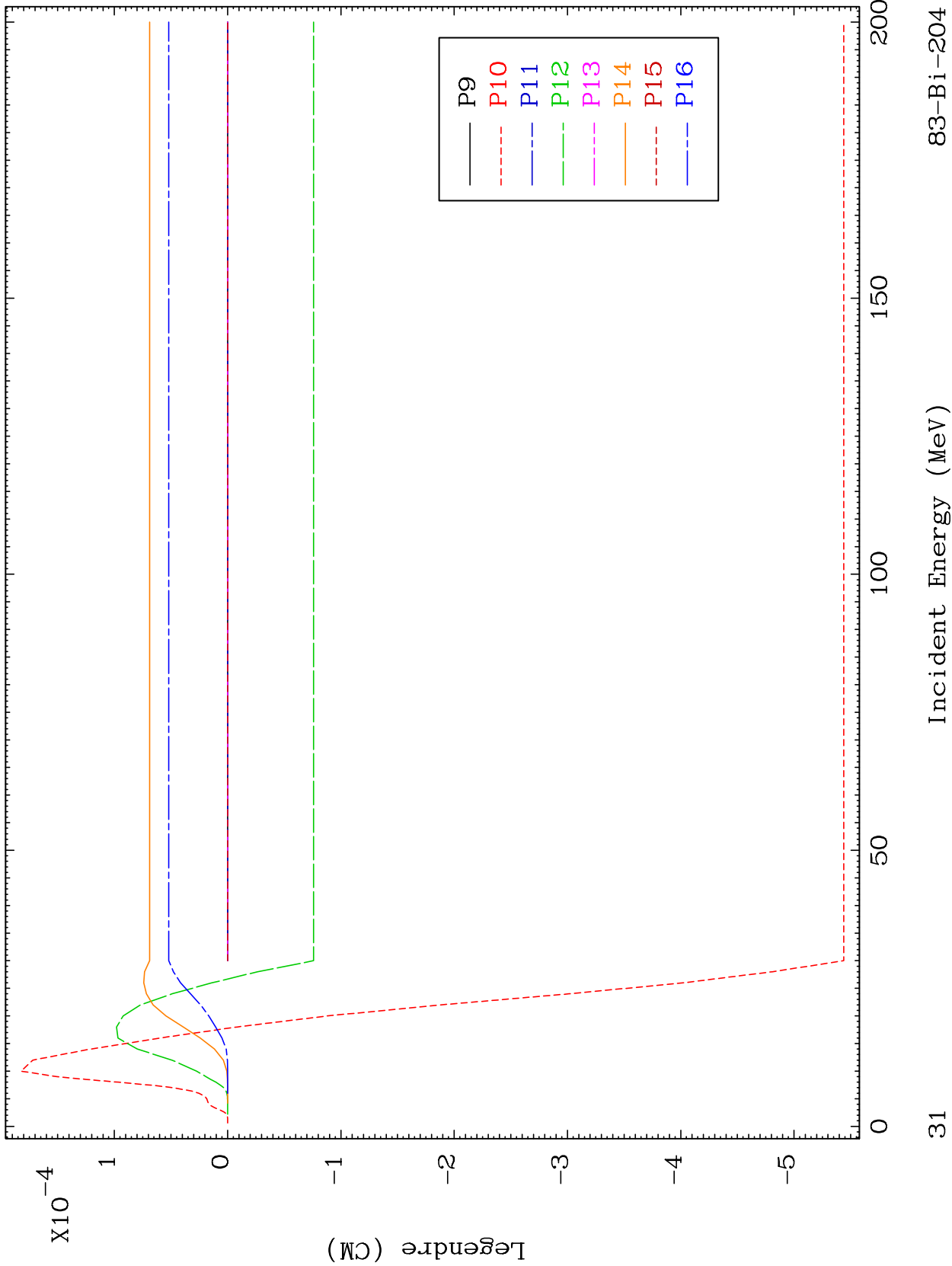




MAT 8310

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

83-Bi-204

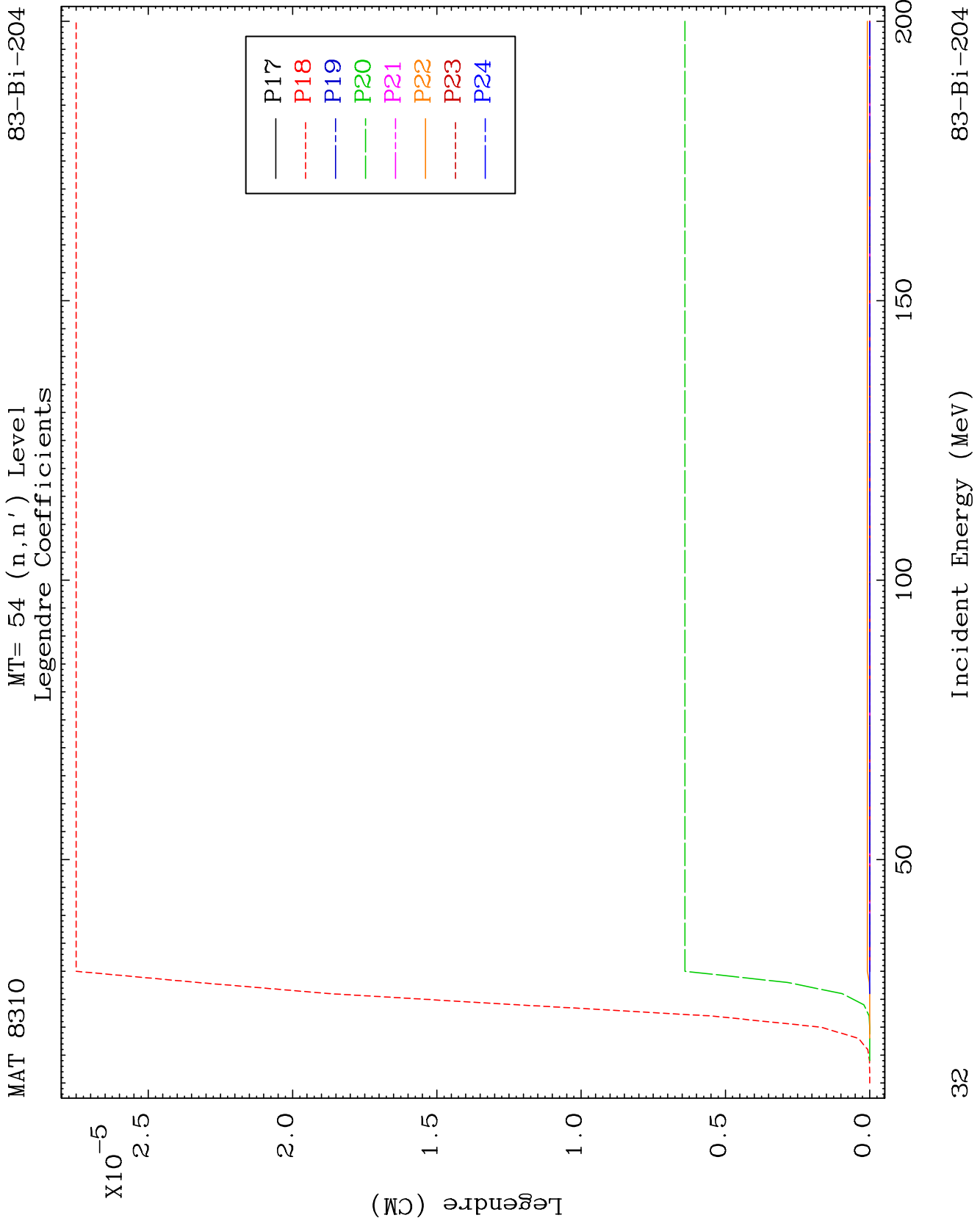


31

Incident Energy (MeV)

83-Bi-204



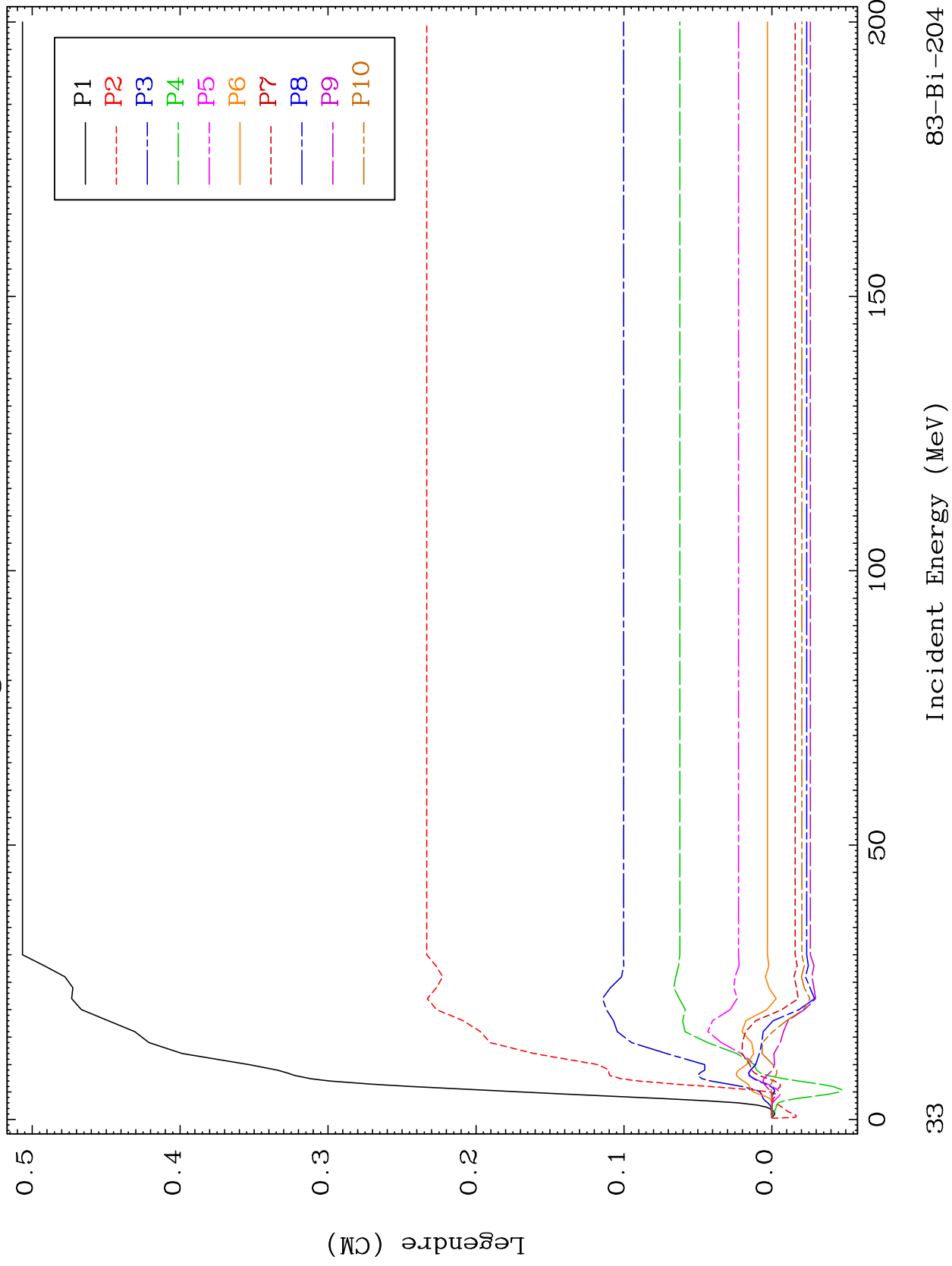


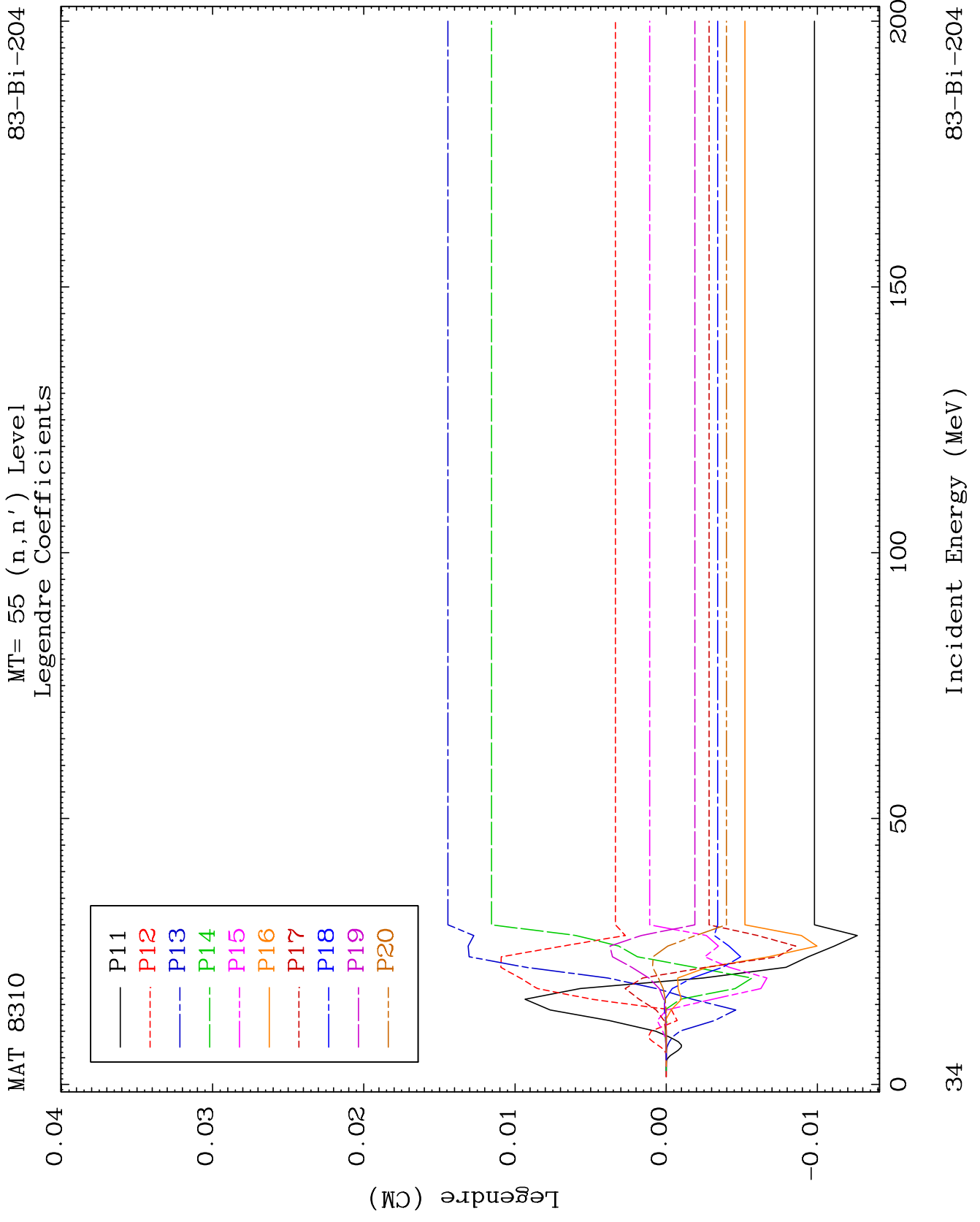
MAT 8310

MT= 55 (n,n') Level

83-Bi-204

Legendre Coefficients

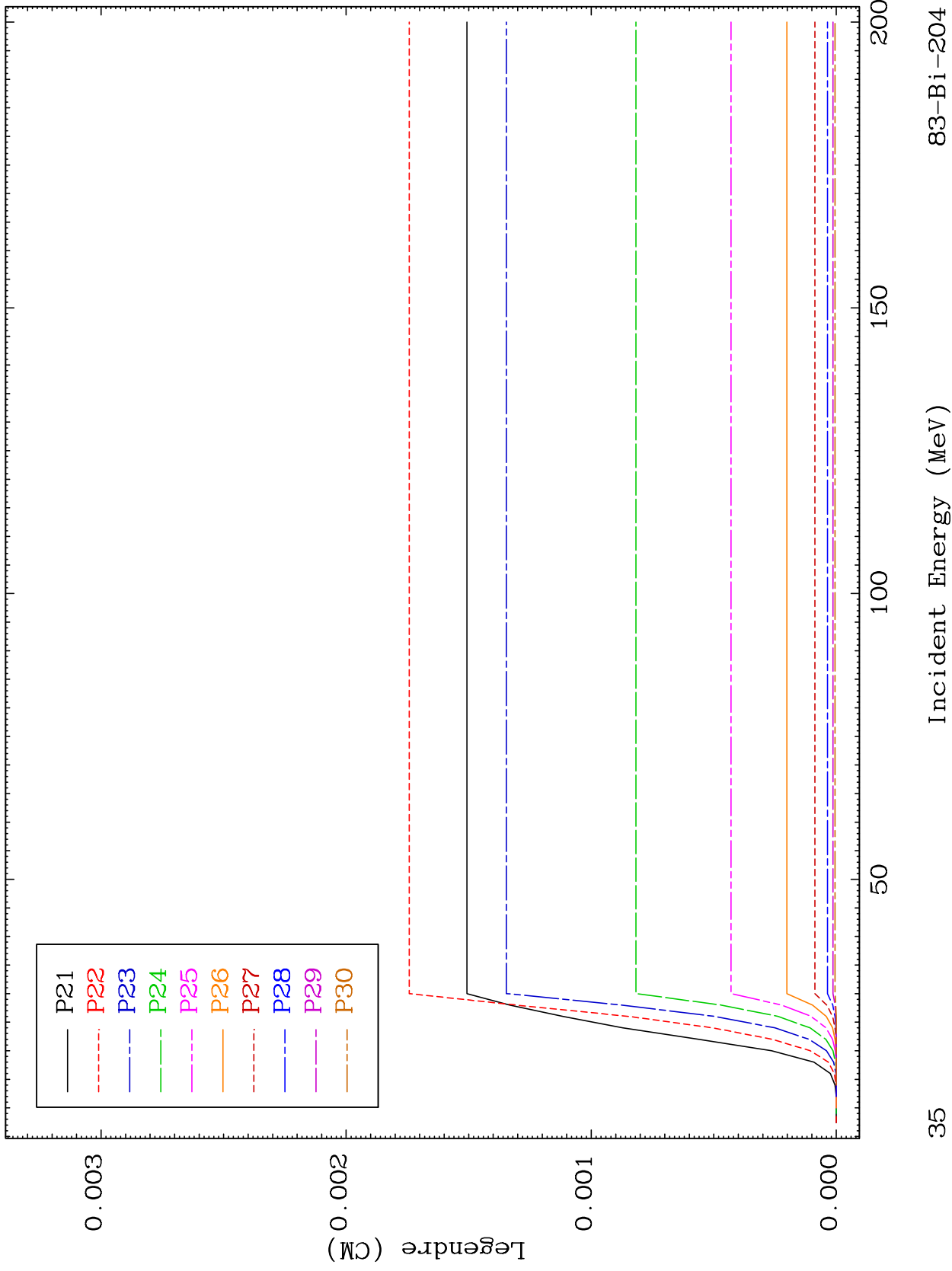




MAT 8310

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

83-Bi-204



35

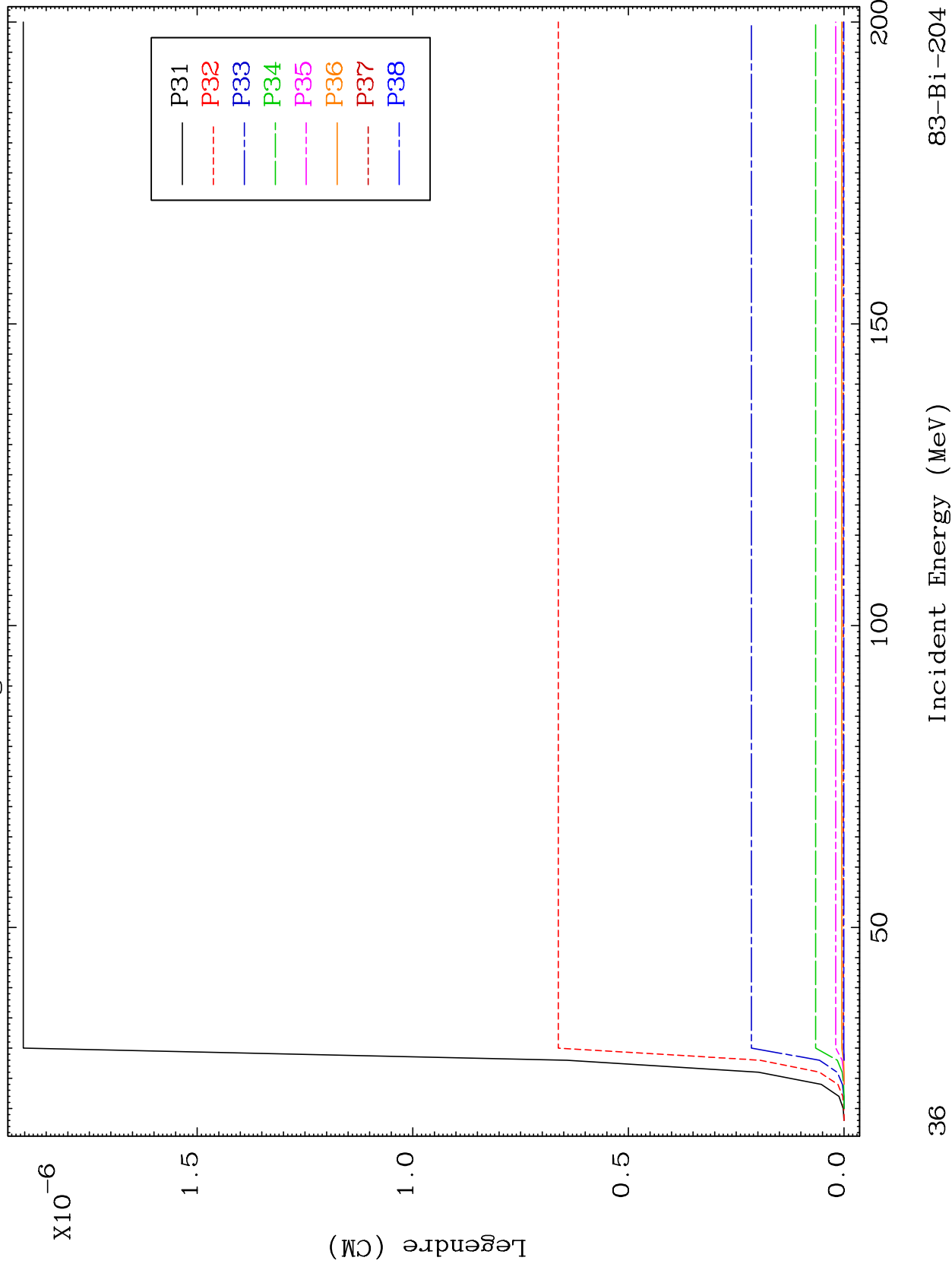
Incident Energy (MeV)

83-Bi-204

MAT 8310

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

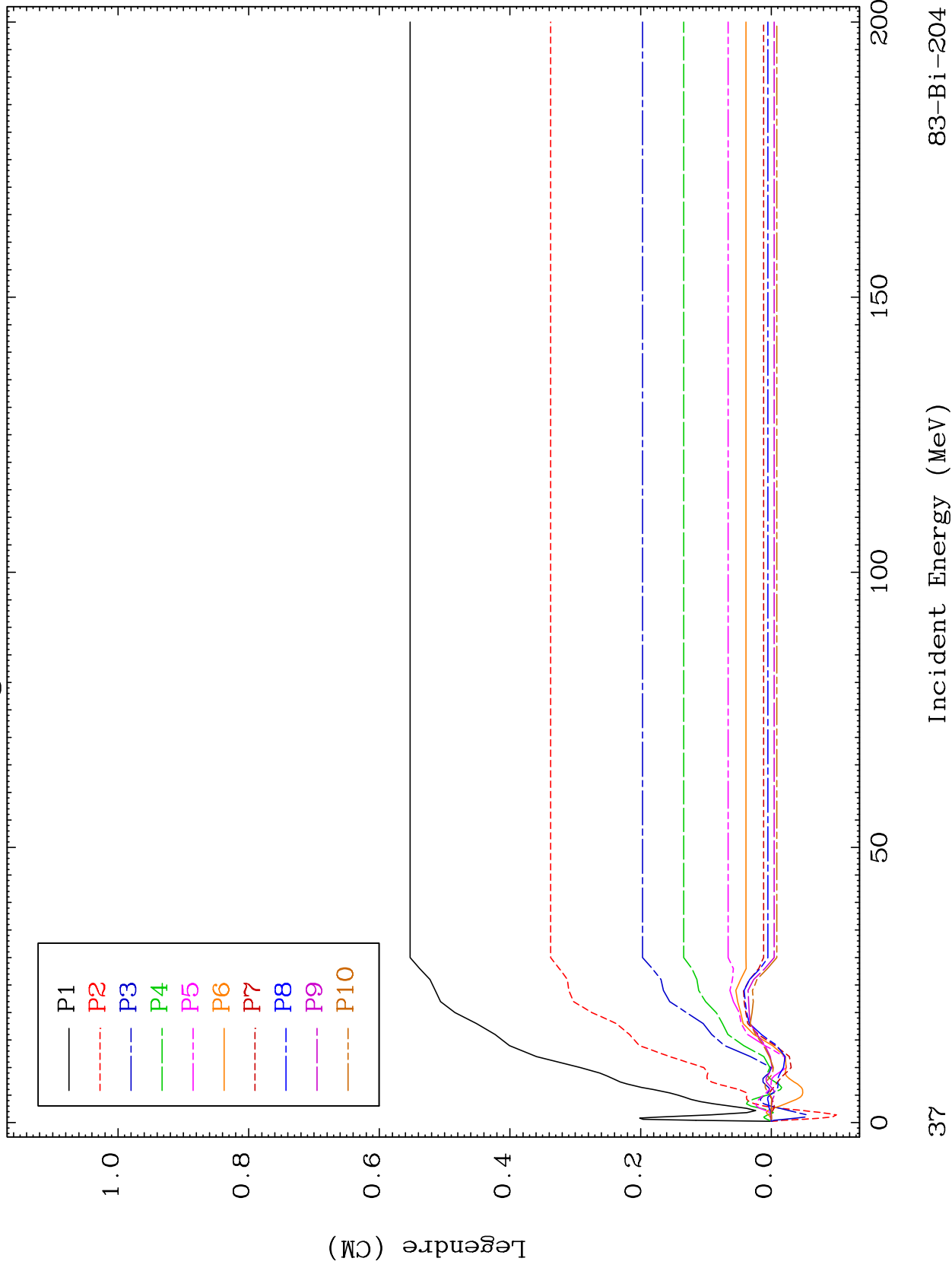
83-Bi-204



MAT 8310

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

83-Bi-204



37

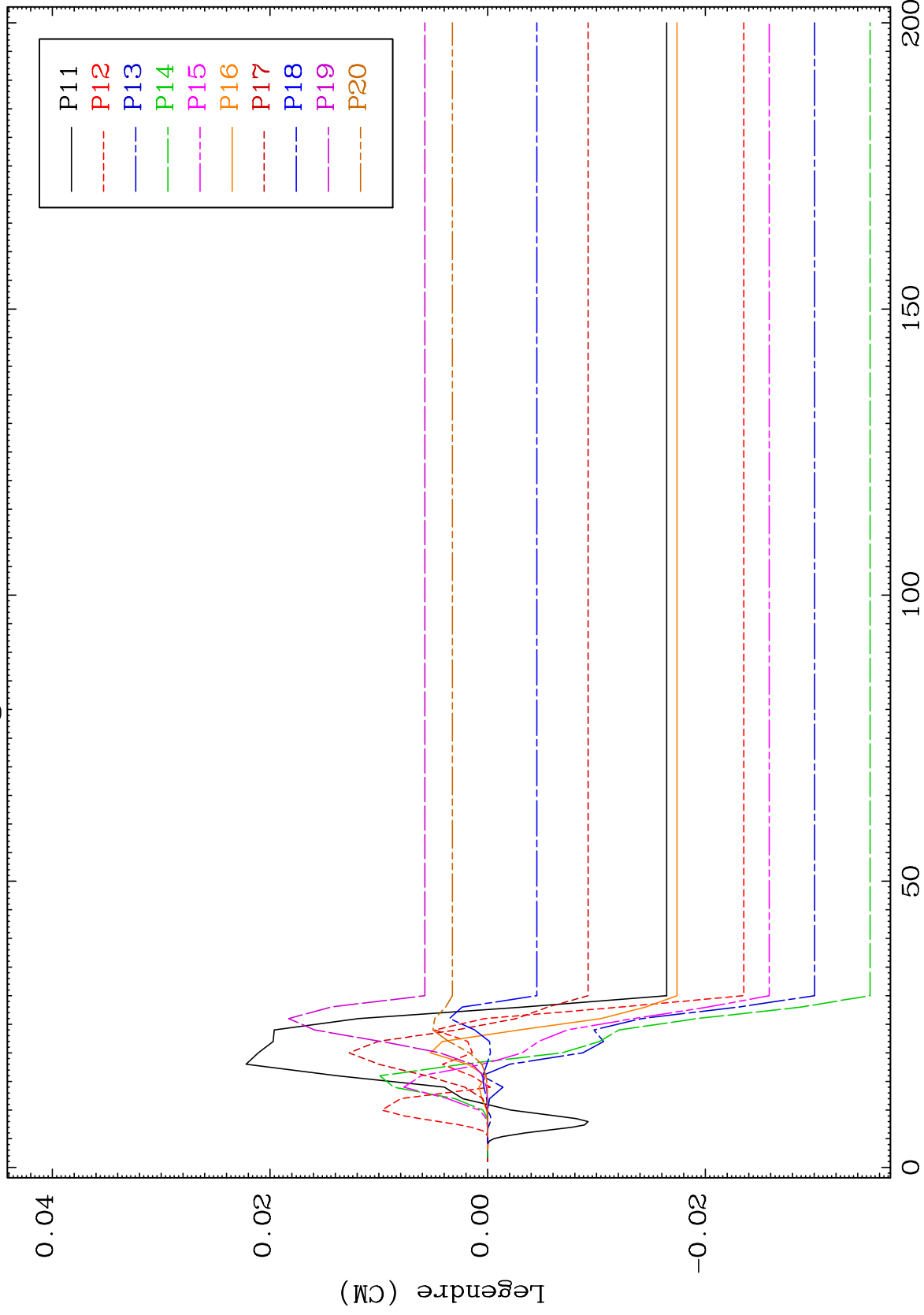
Incident Energy (MeV)

83-Bi-204

MAT 8310

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

83-Bi-204



38

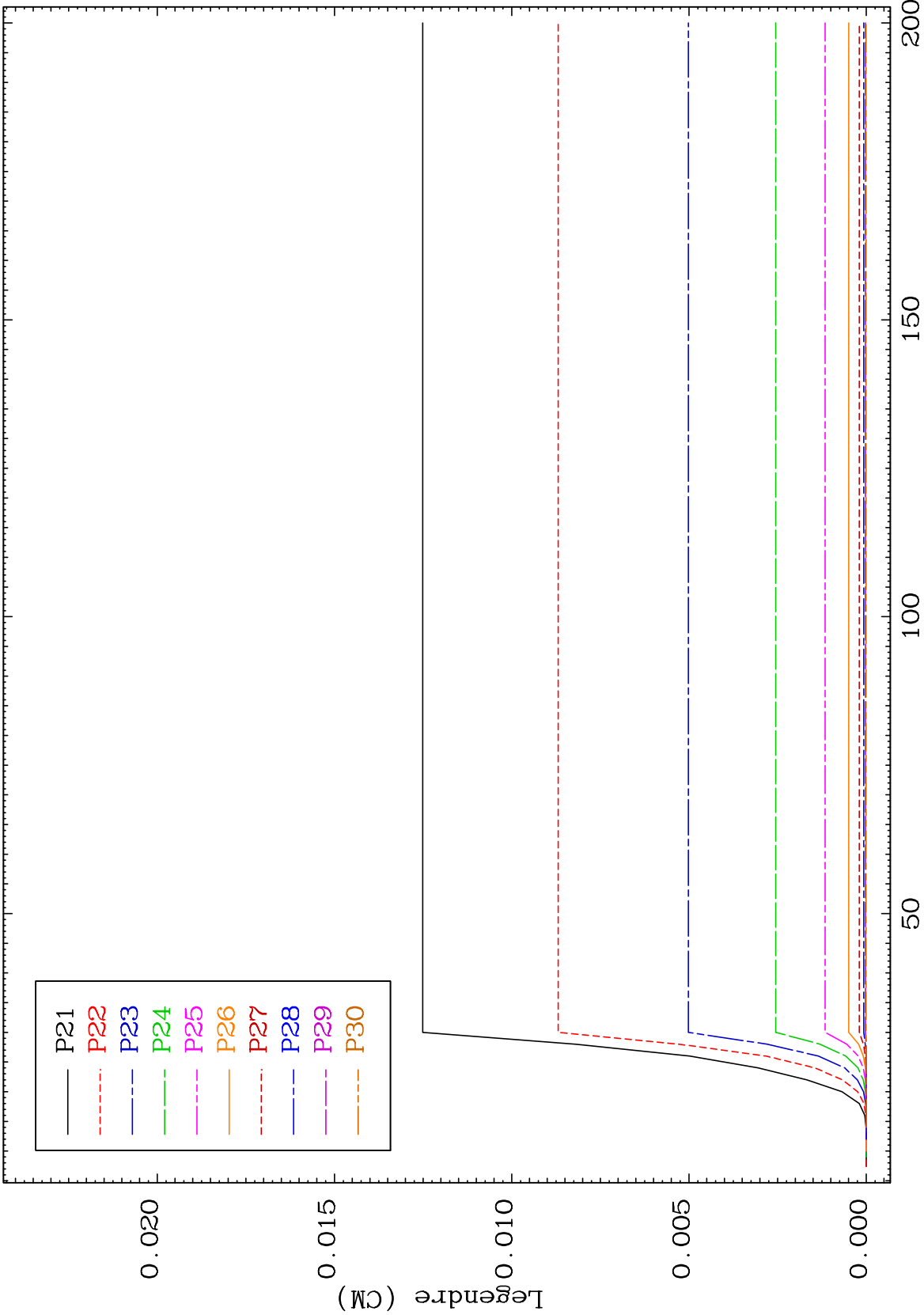
Incident Energy (MeV)

83-Bi-204

MAT 8310

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

83-Bi-204



39

Incident Energy (MeV)

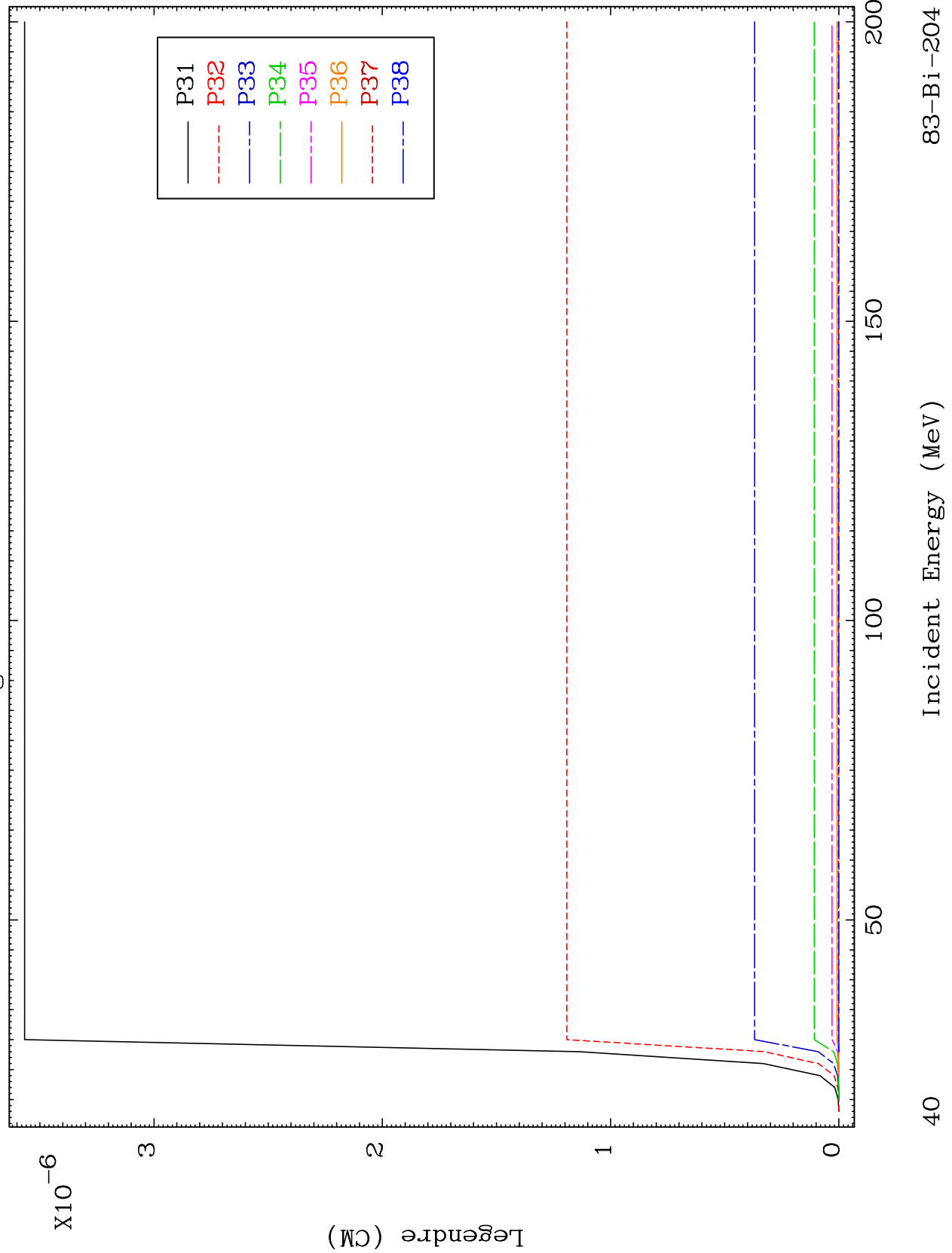
83-Bi-204



MAT 8310

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

83-Bi-204

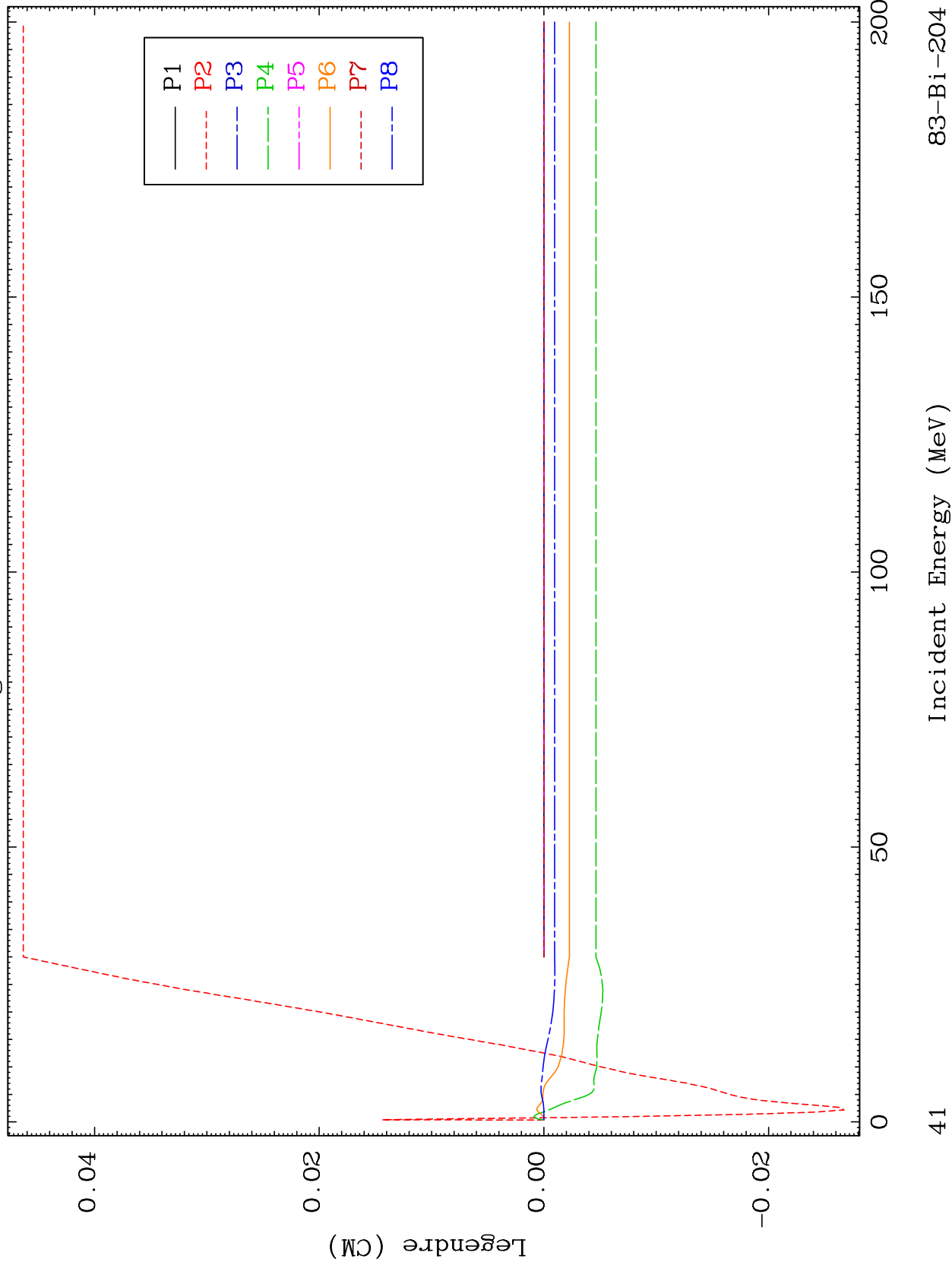


83-Bi-204

MAT 8310

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

83-Bi-204



83-Bi-204

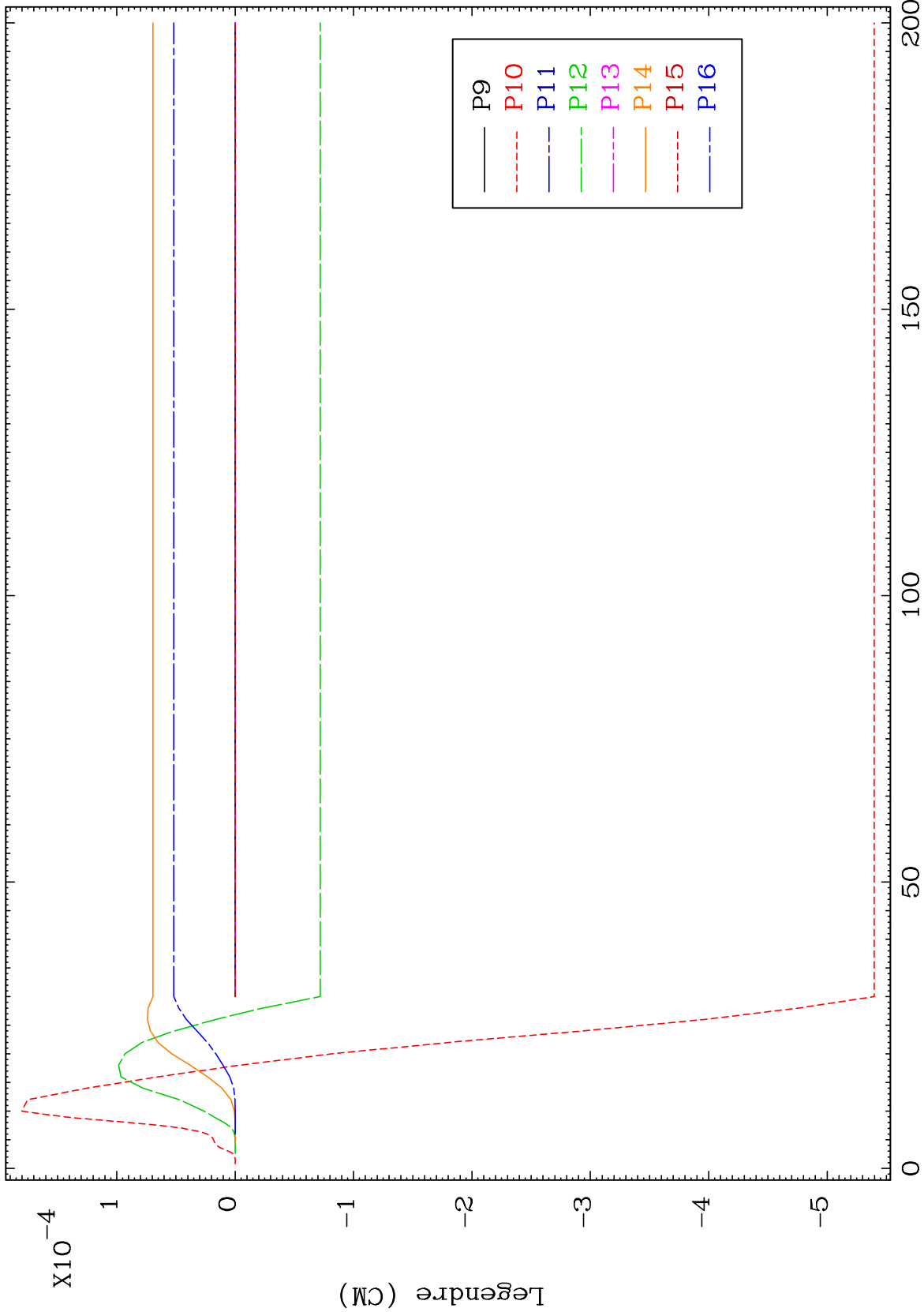
Incident Energy (MeV)

41

MAT 8310

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

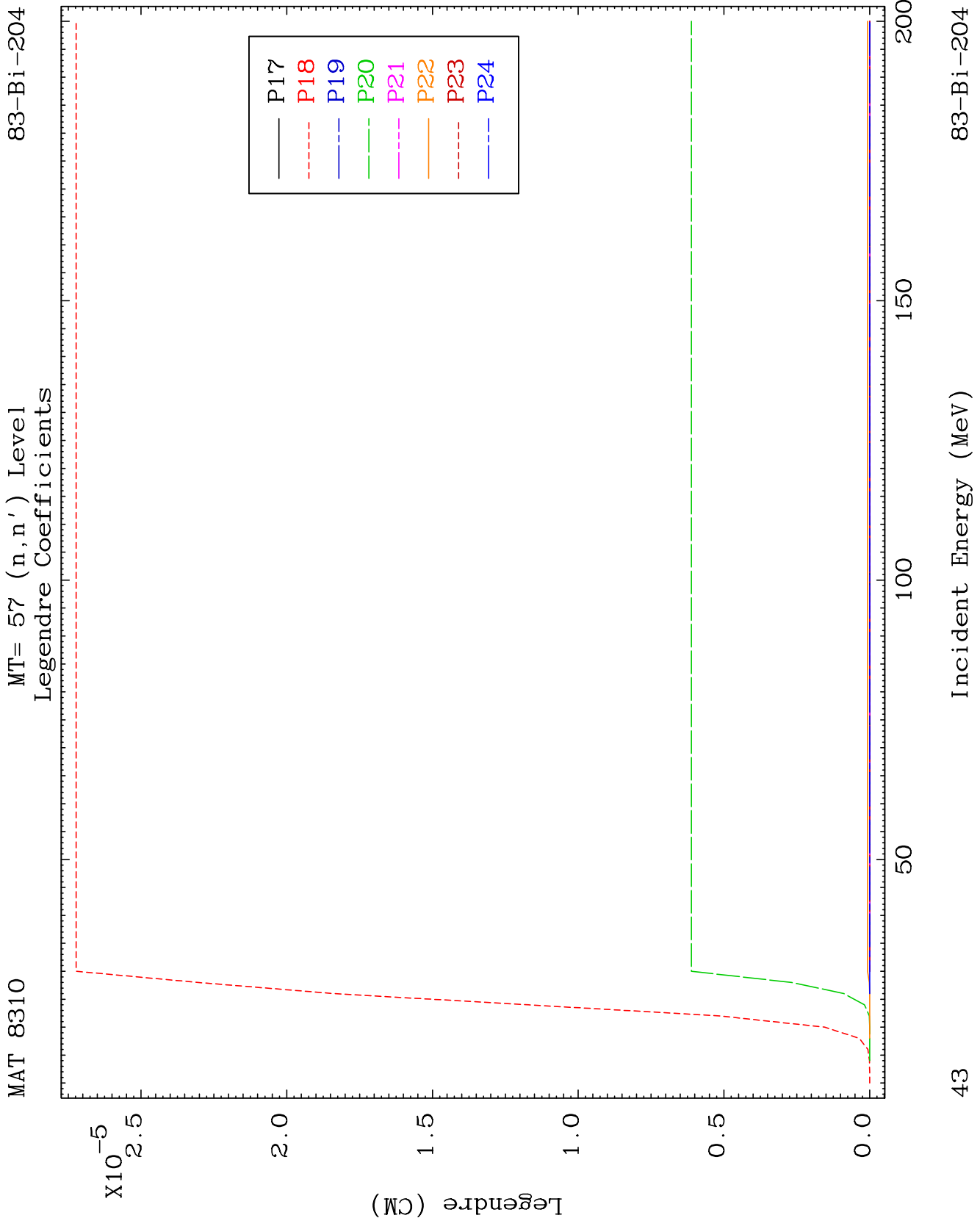
83-Bi-204



42

Incident Energy (MeV)

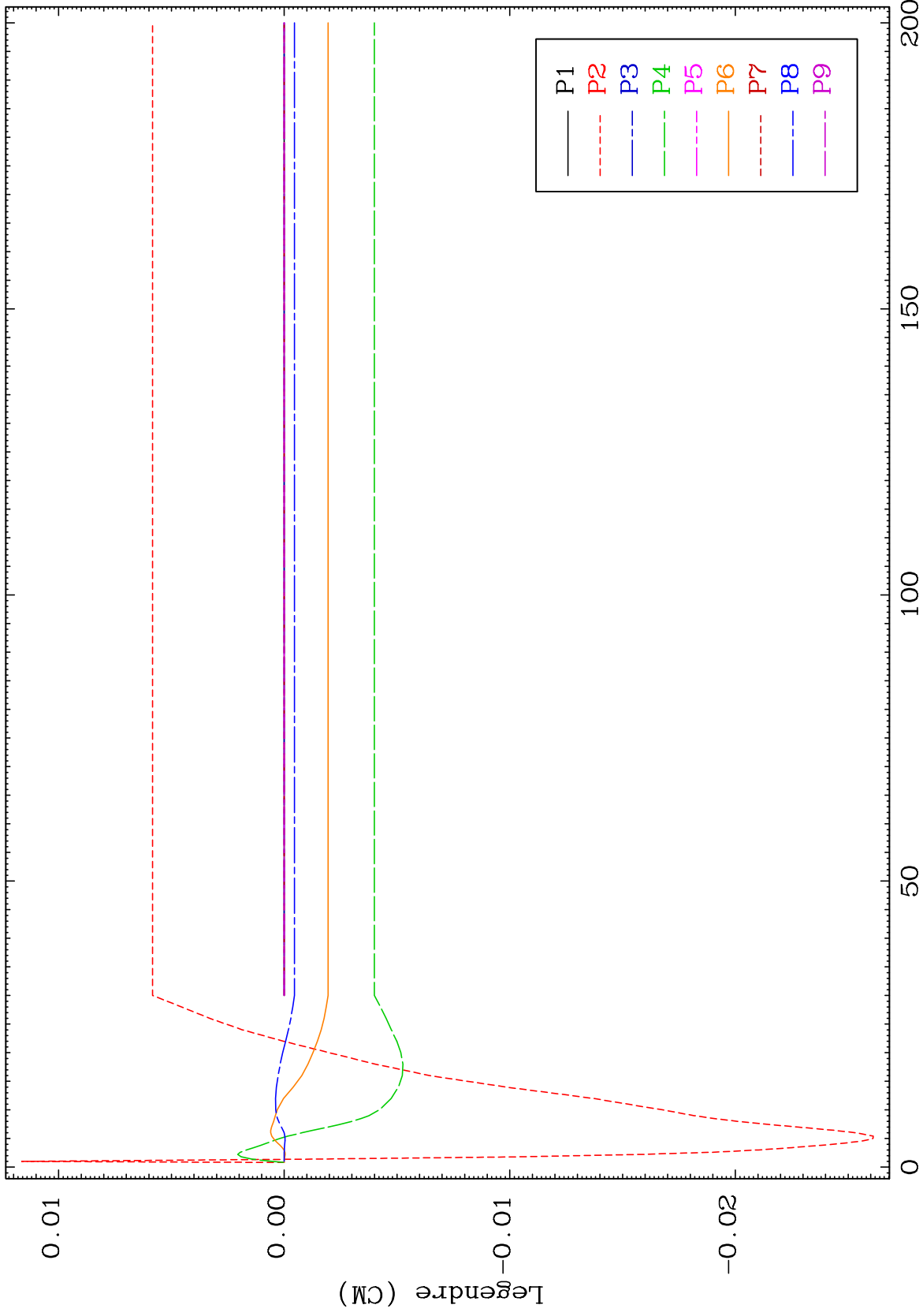
83-Bi-204



MAT 8310

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

83-Bi-204



83-Bi-204

Incident Energy (MeV)

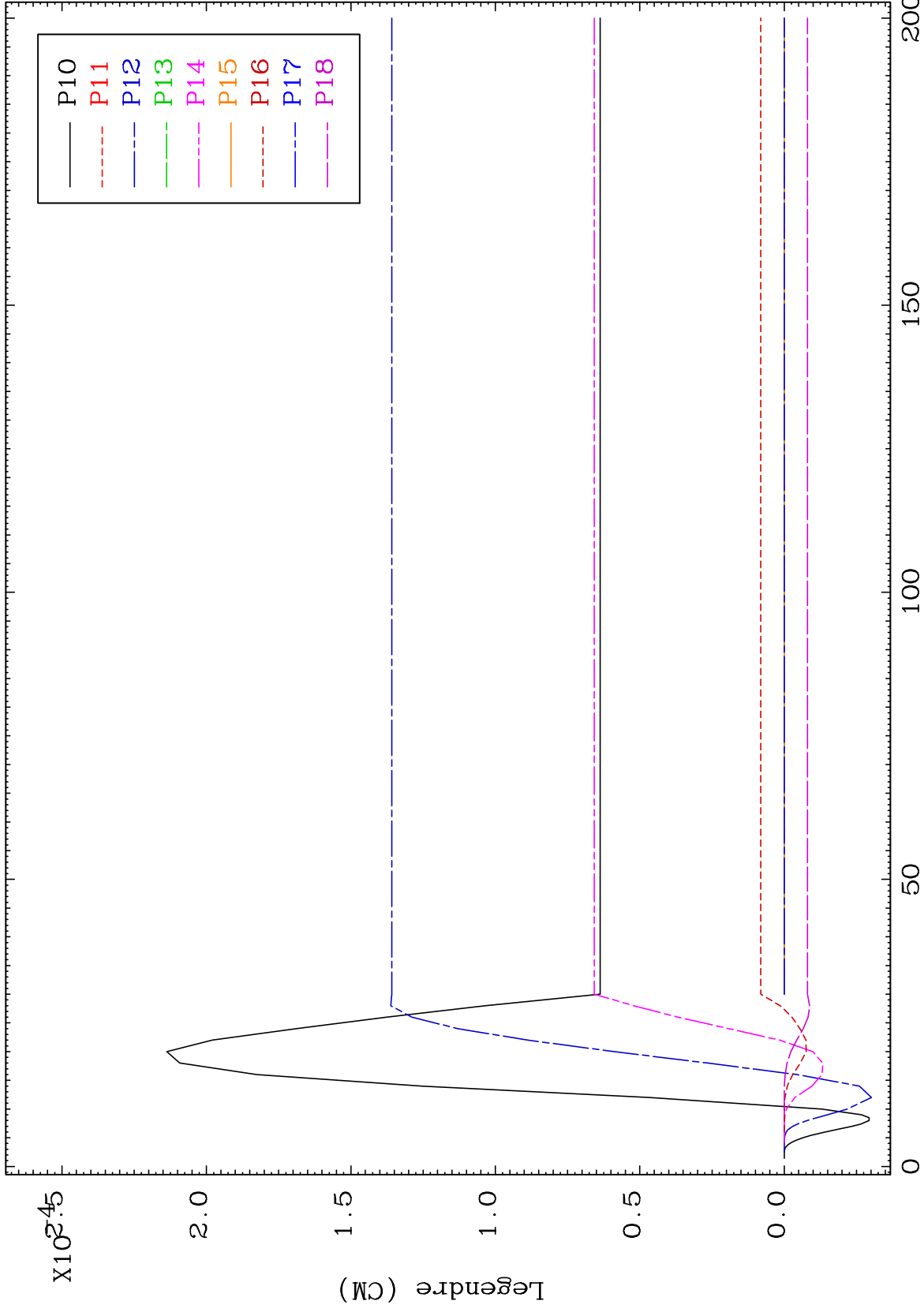
44

MAT 8310

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

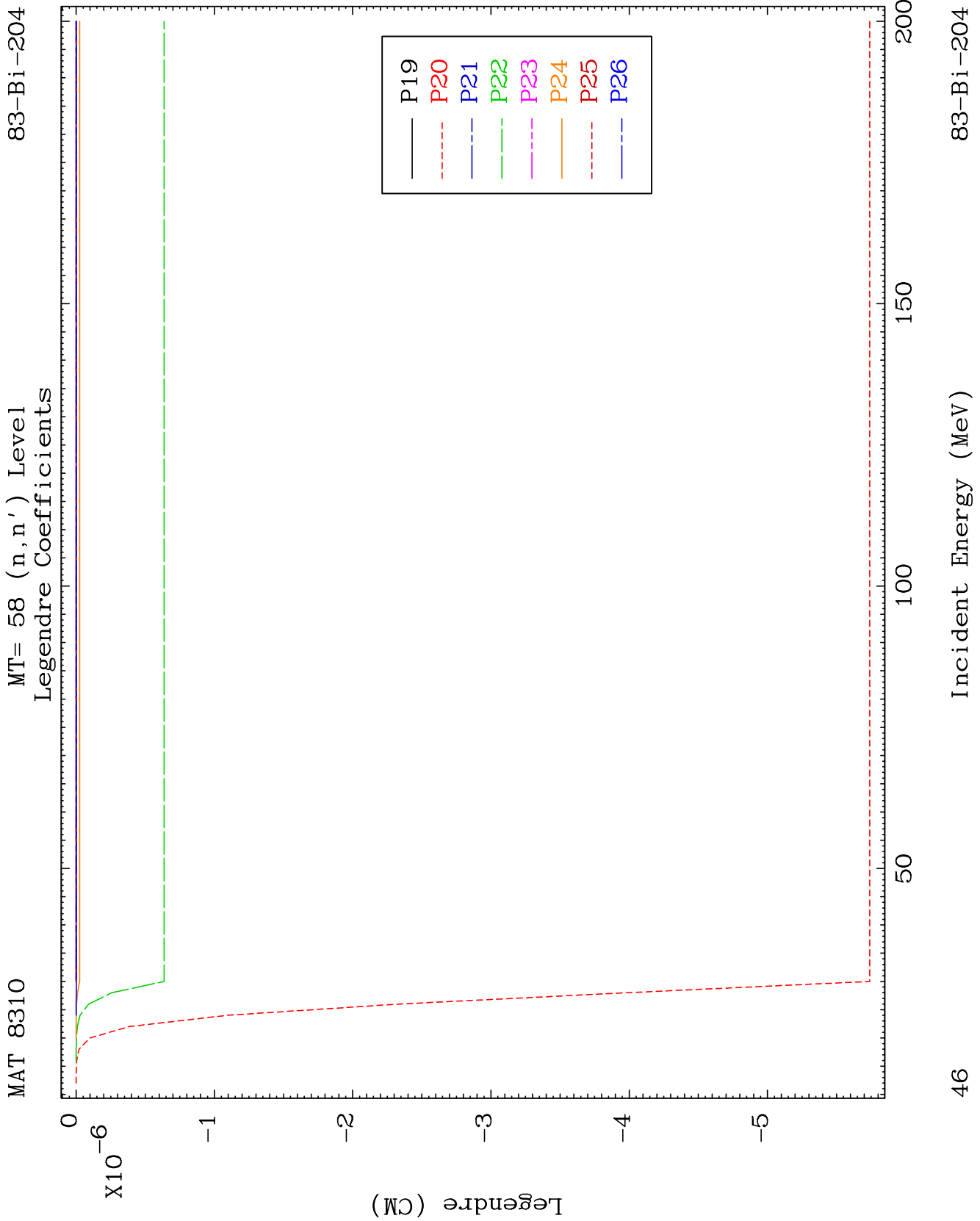
83-Bi-204

$\times 10^{-4}$



Incident Energy (MeV)

83-Bi-204



83-Bi-204

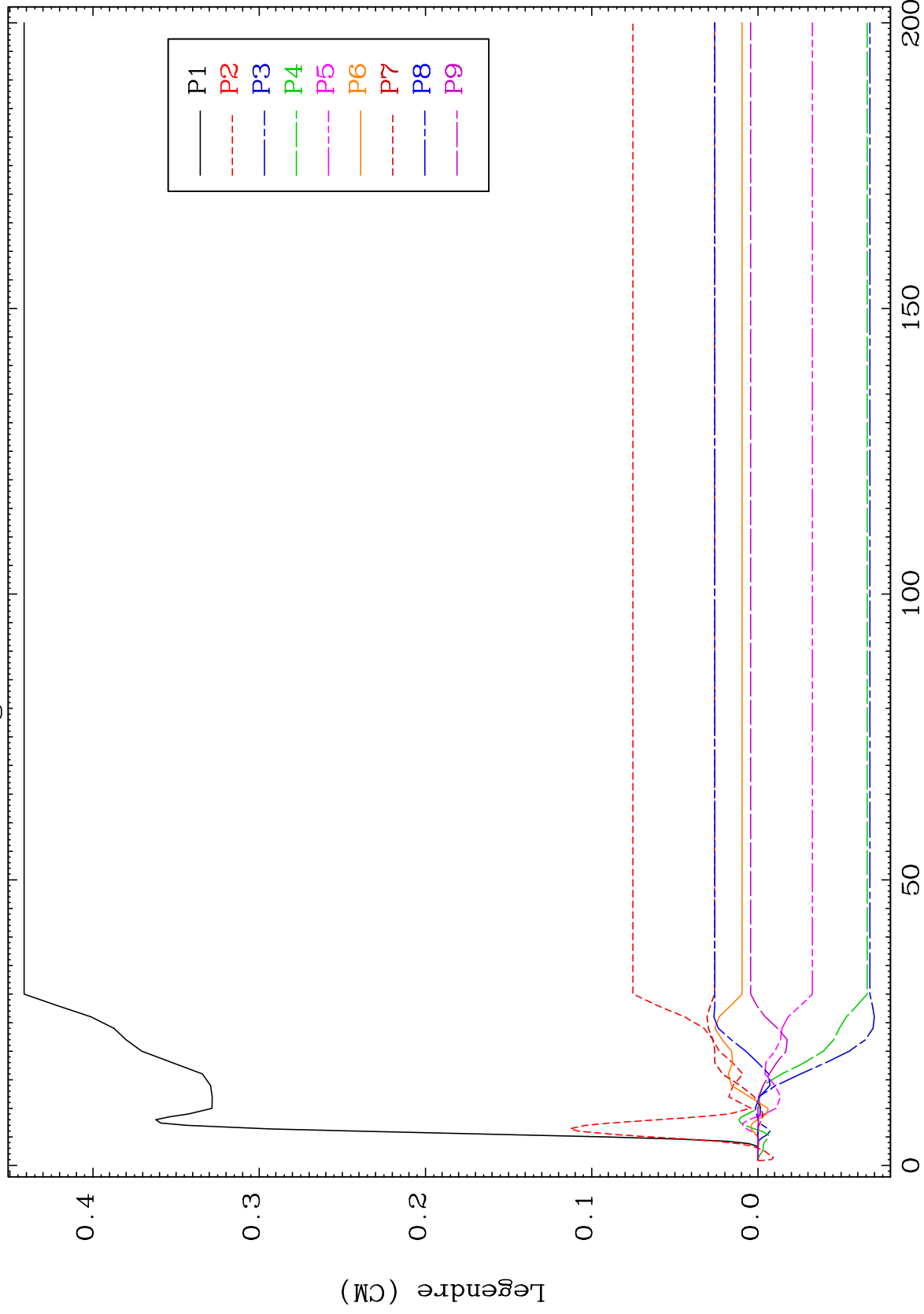
Incident Energy (MeV)

46

MAT 8310

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

83-Bi-204



47

Incident Energy (MeV)

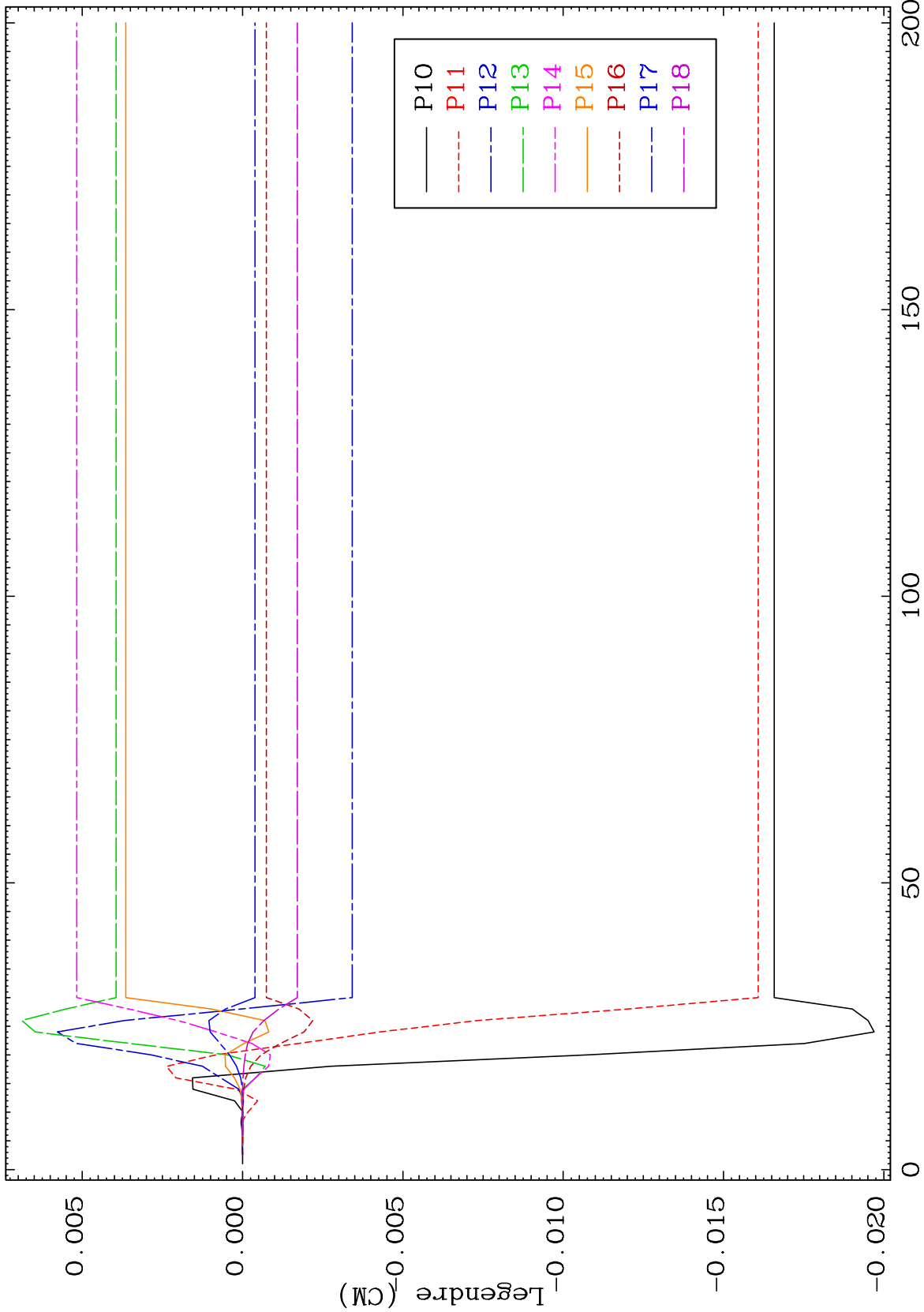
83-Bi-204



MAT 8310

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

83-Bi-204



48

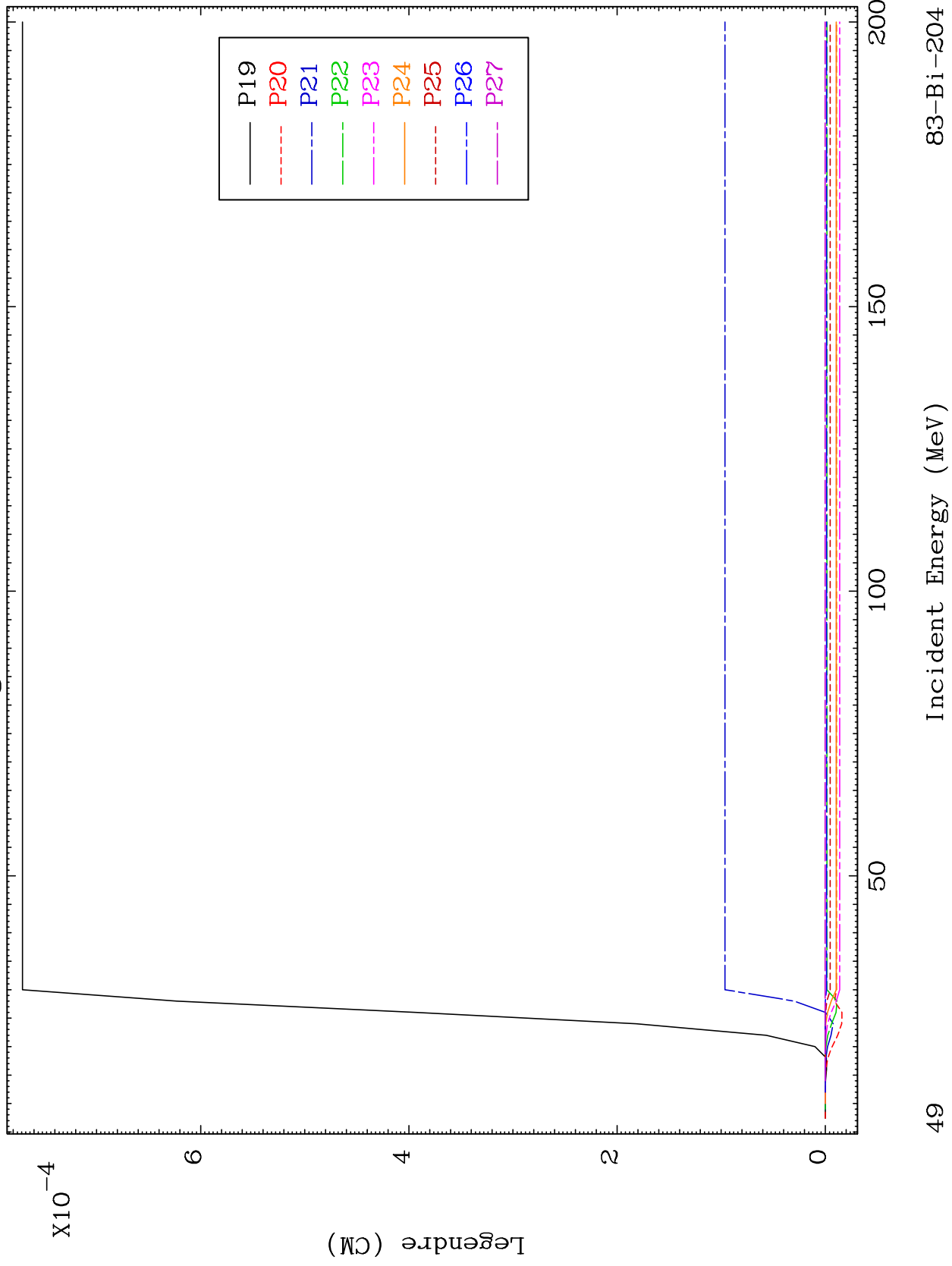
Incident Energy (MeV)

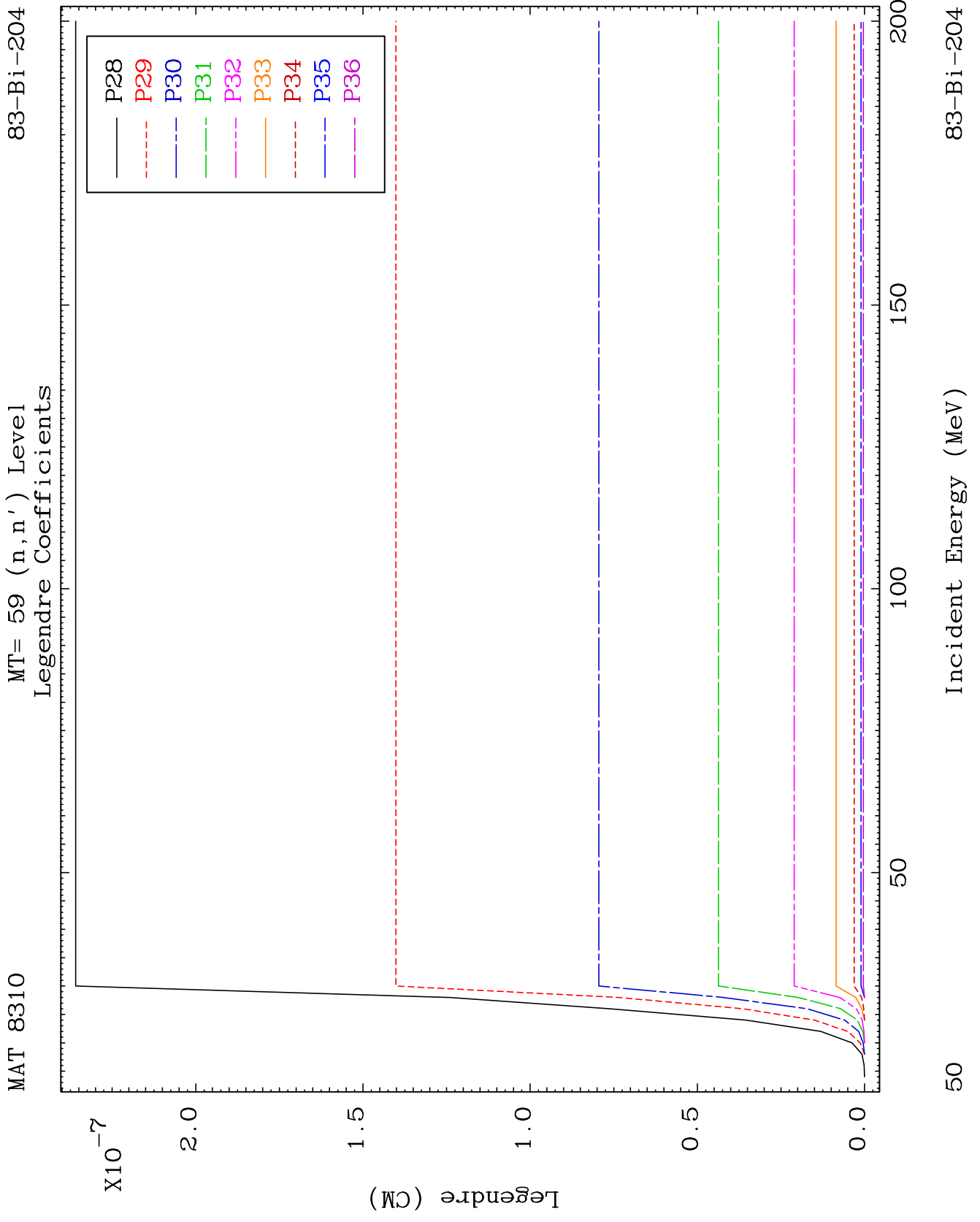
83-Bi-204

MAT 8310

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

83-Bi-204

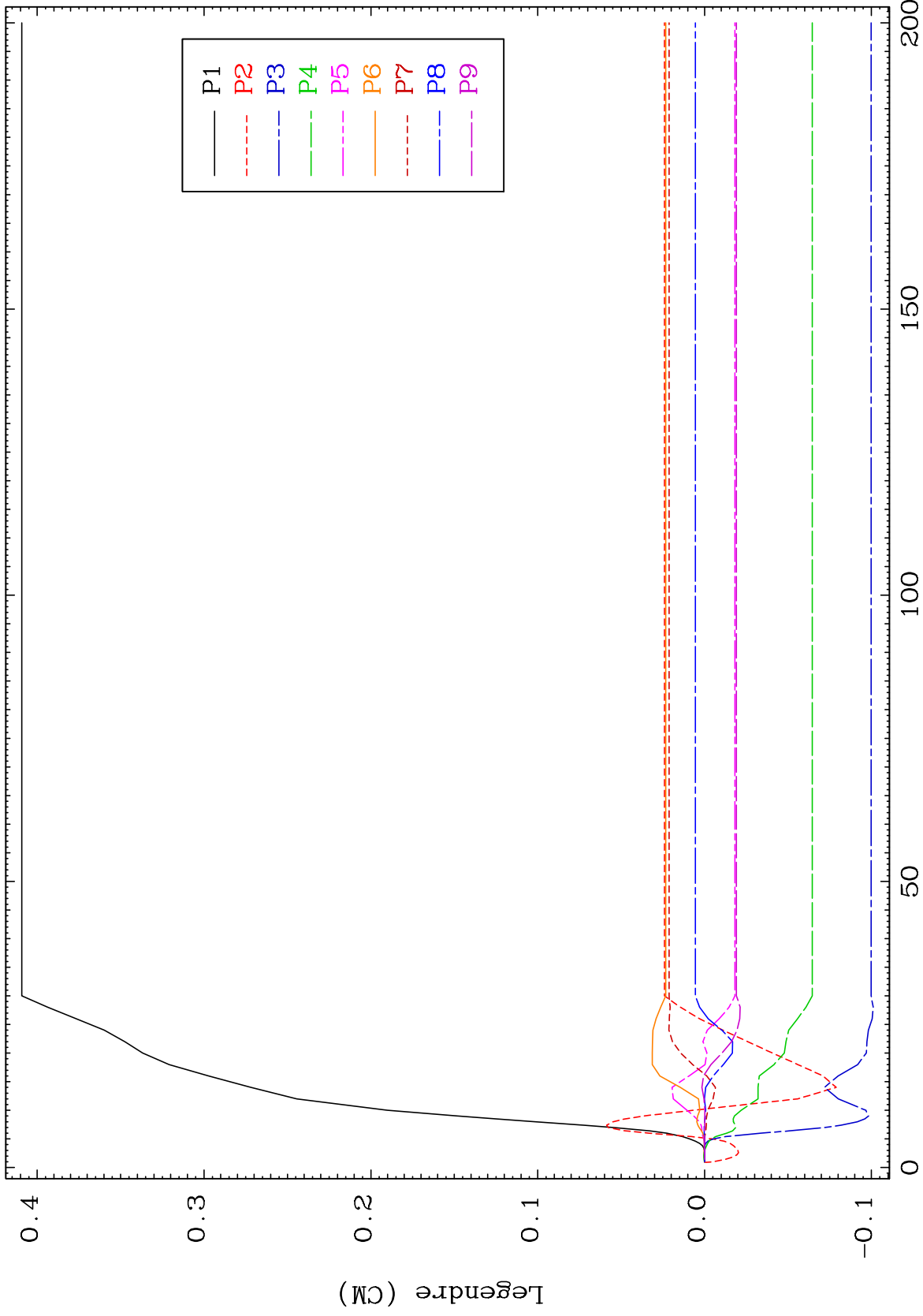




MAT 8310

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

83-Bi-204



51

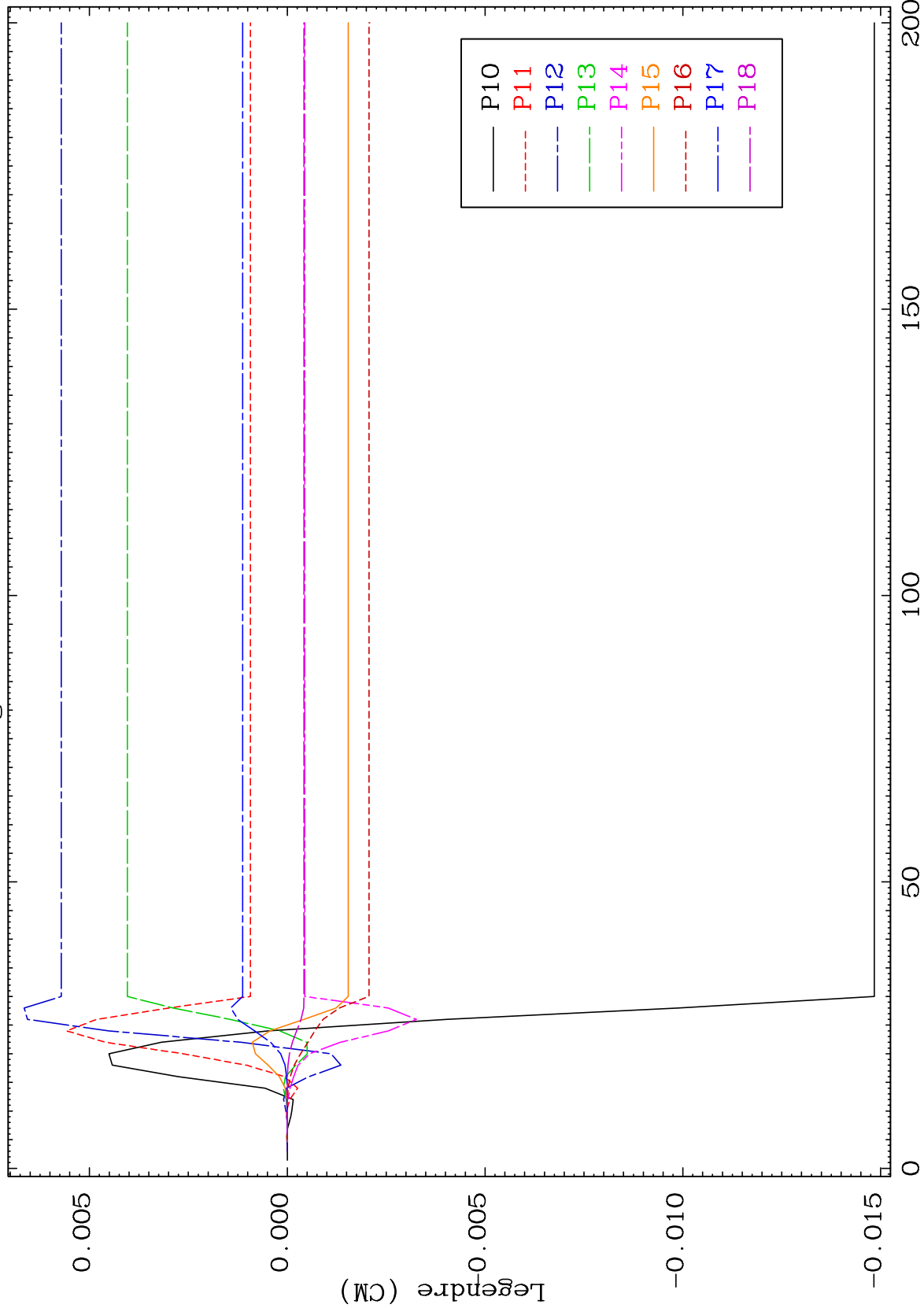
Incident Energy (MeV)

83-Bi-204

MAT 8310

83-Bi-204

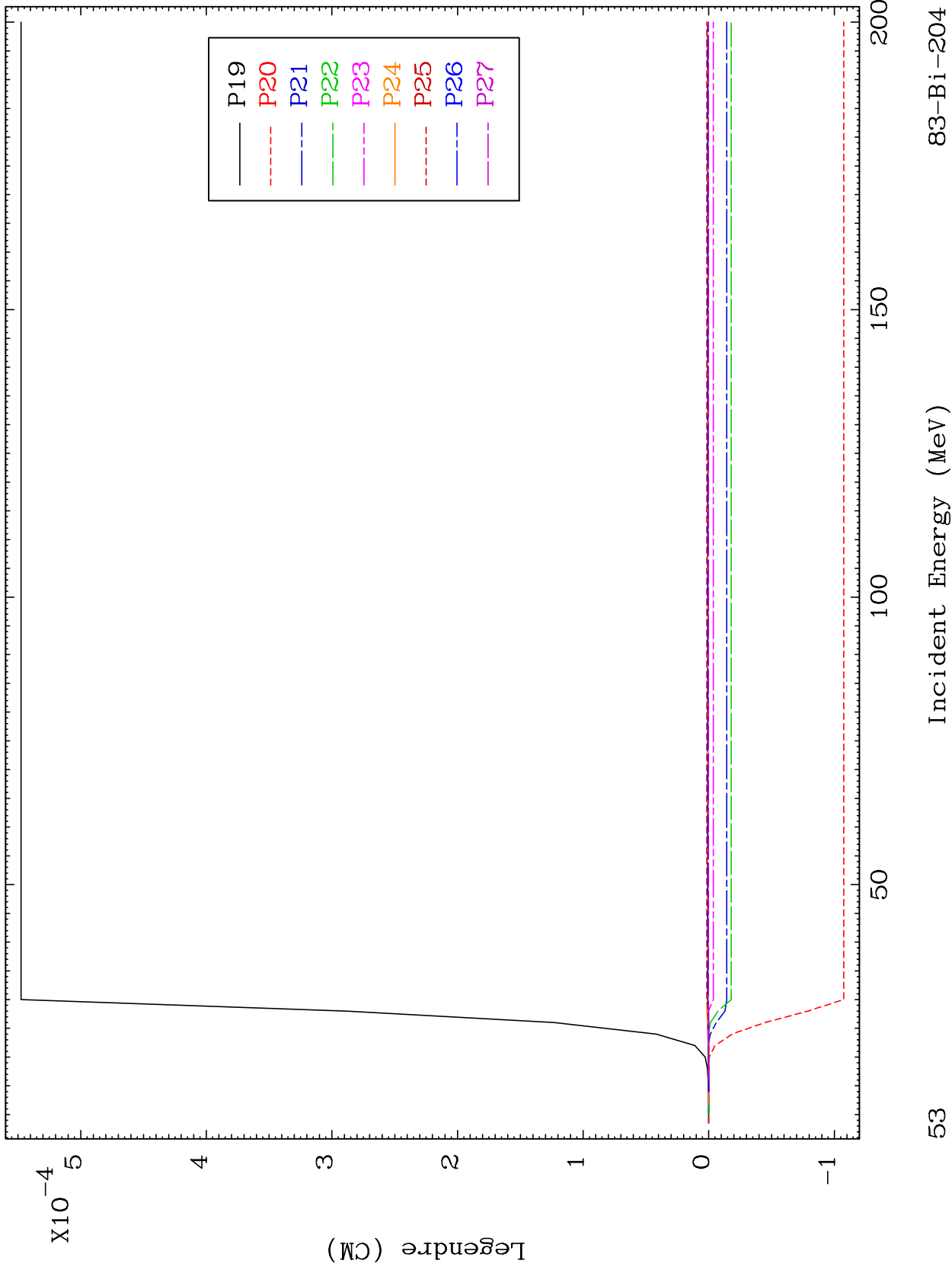
MT= 60 (n,n') Level  
Legendre Coefficients



MAT 8310

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

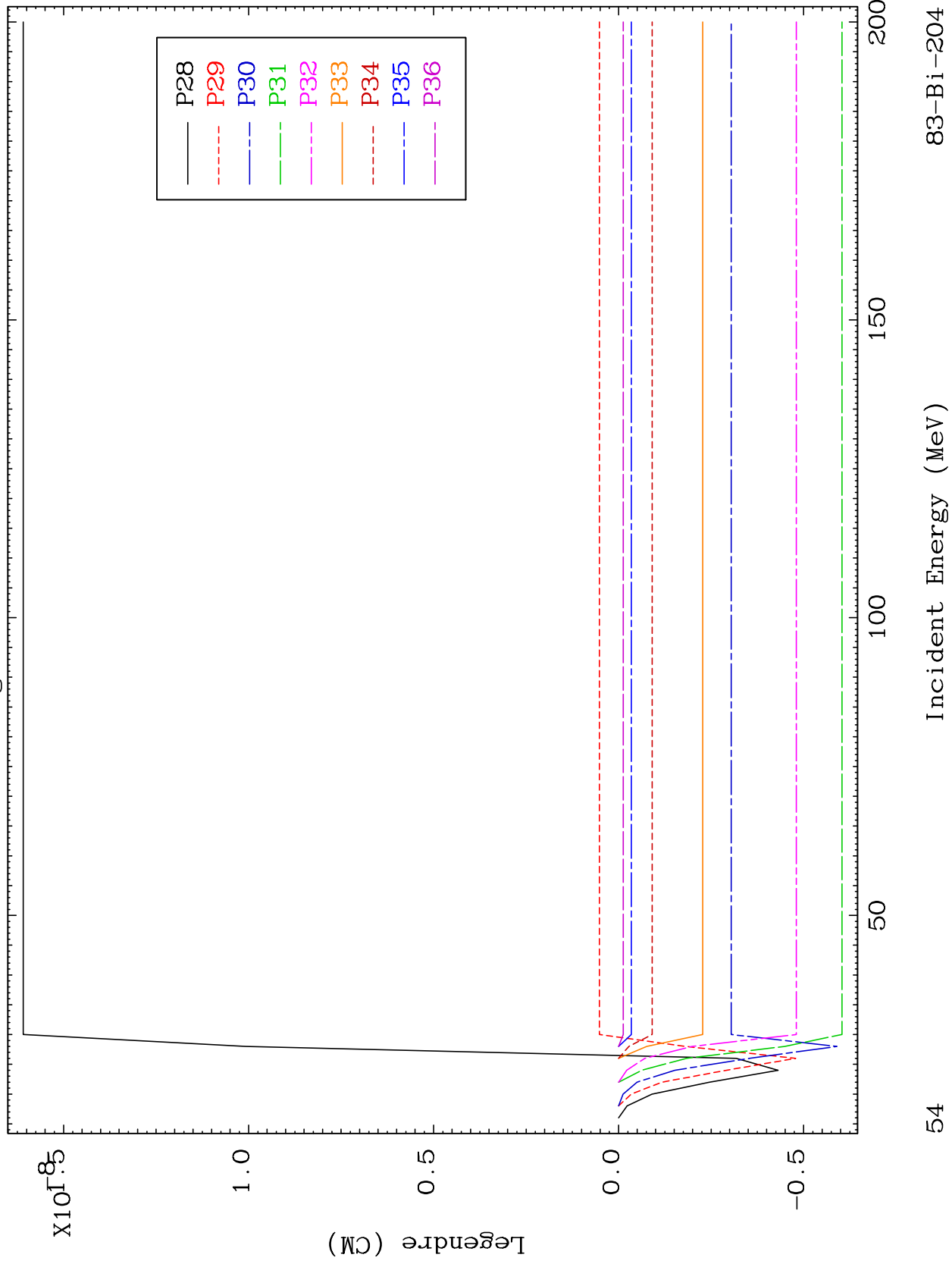
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MAT 8310

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

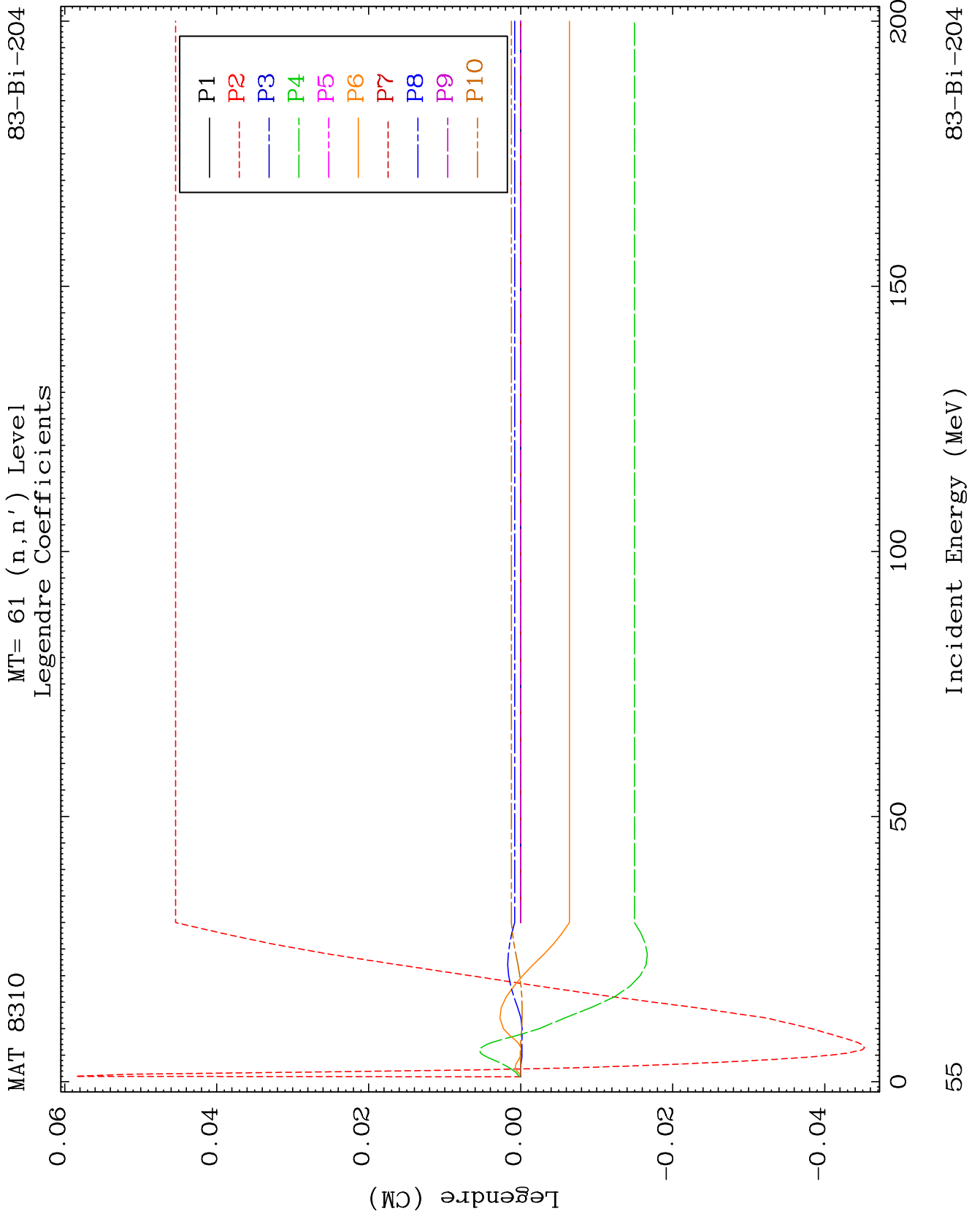
83-Bi-204



54

Incident Energy (MeV)

83-Bi-204

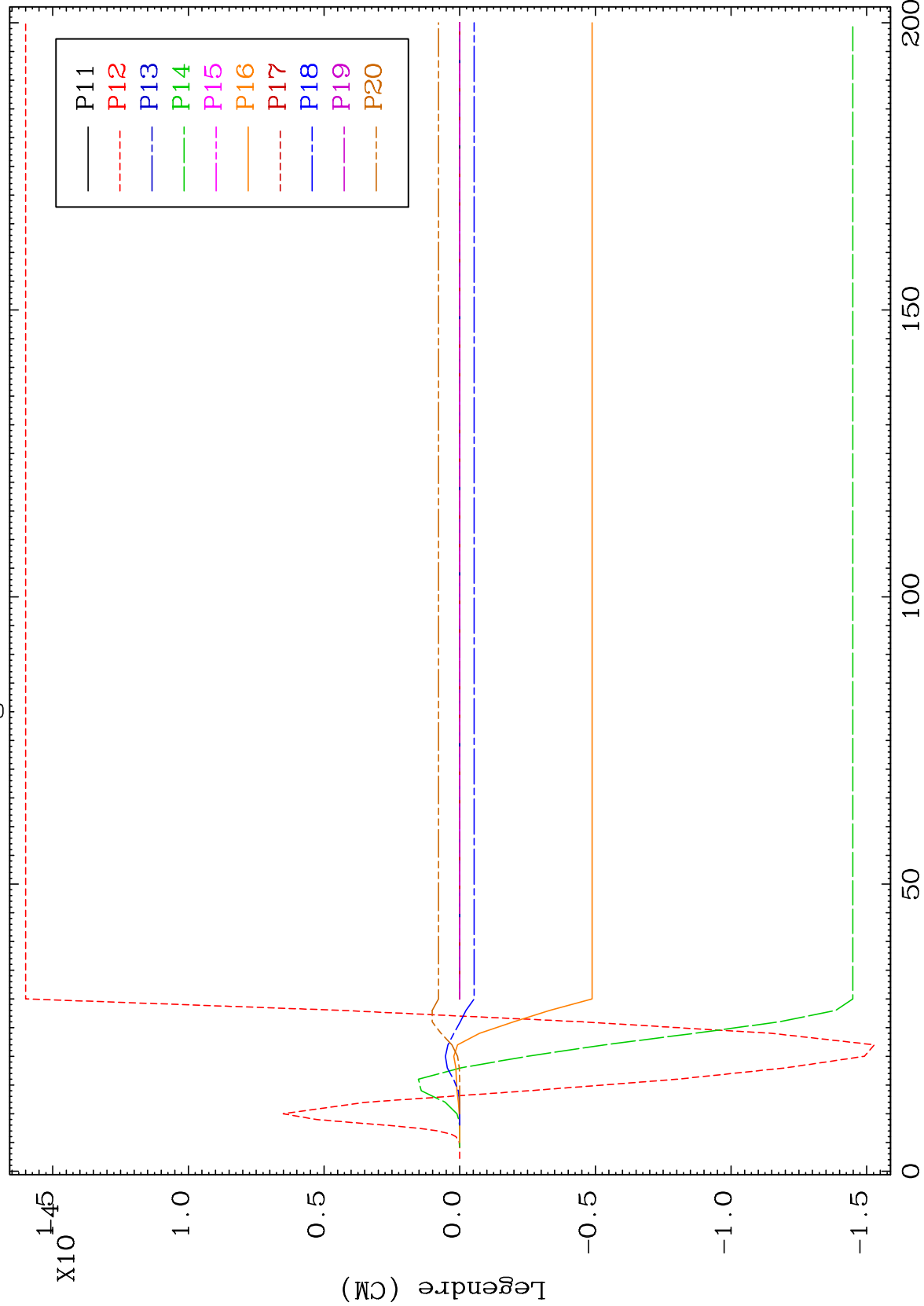




MAT 8310

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

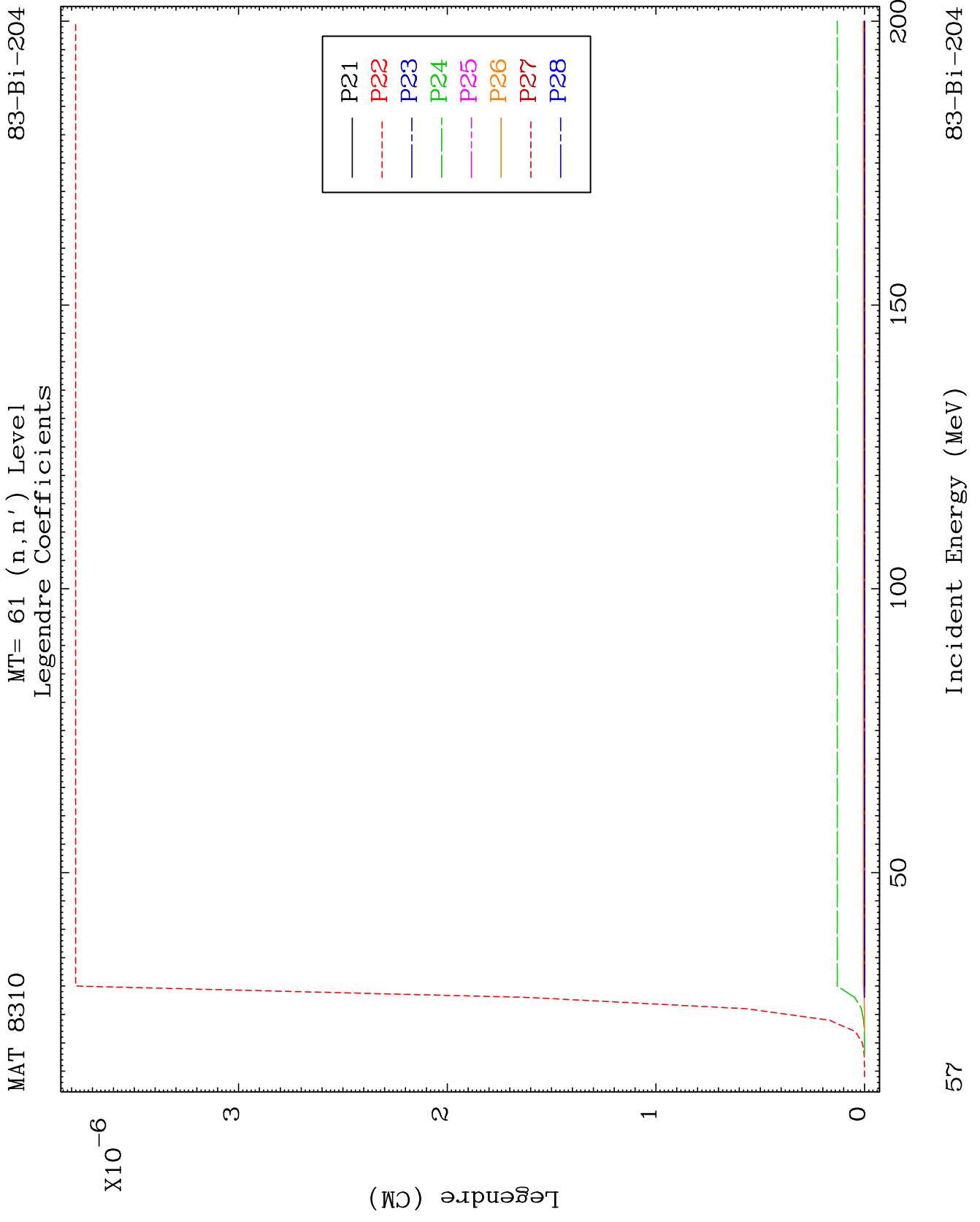
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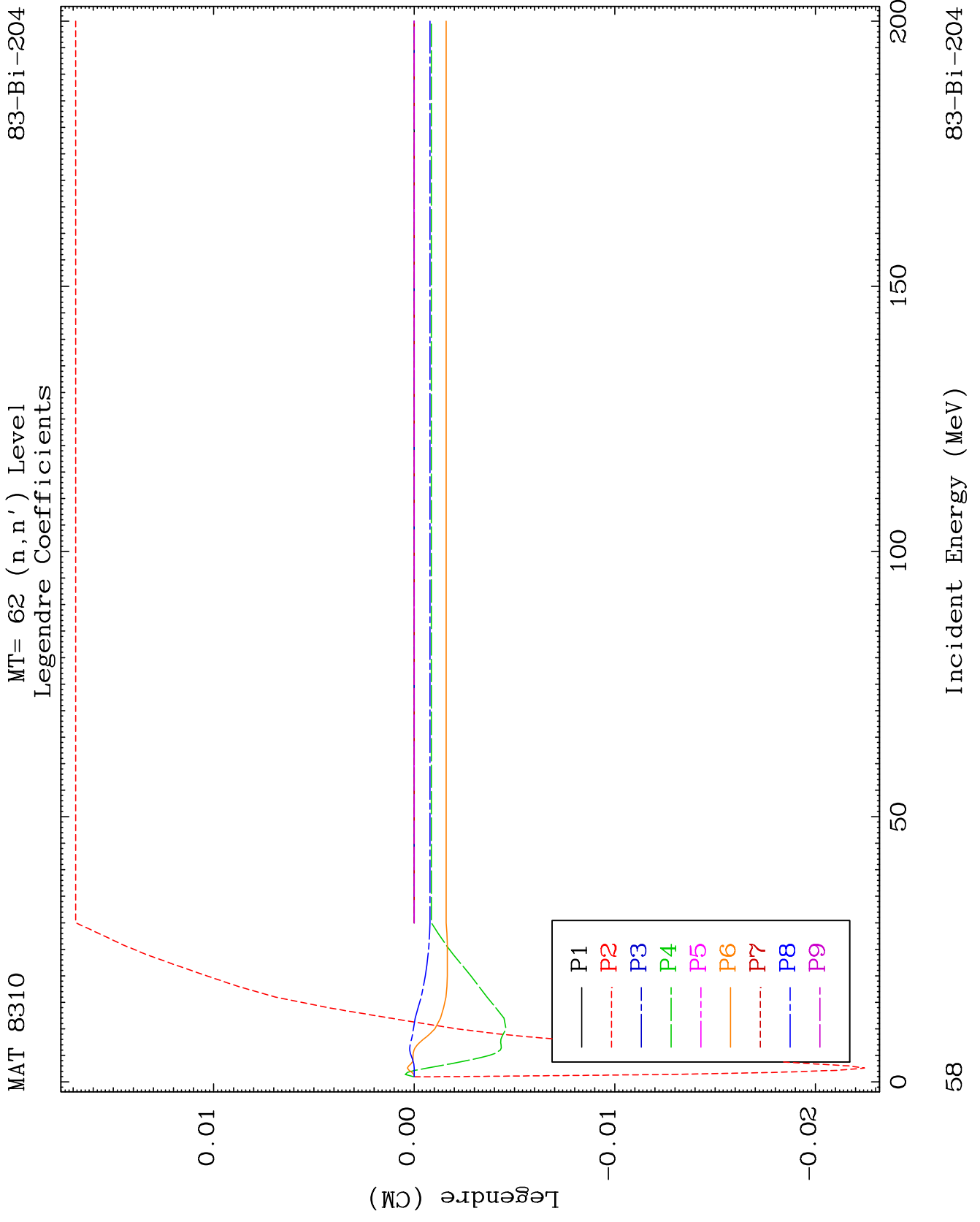


56

Incident Energy (MeV)

83-Bi-204





83-Bi-204

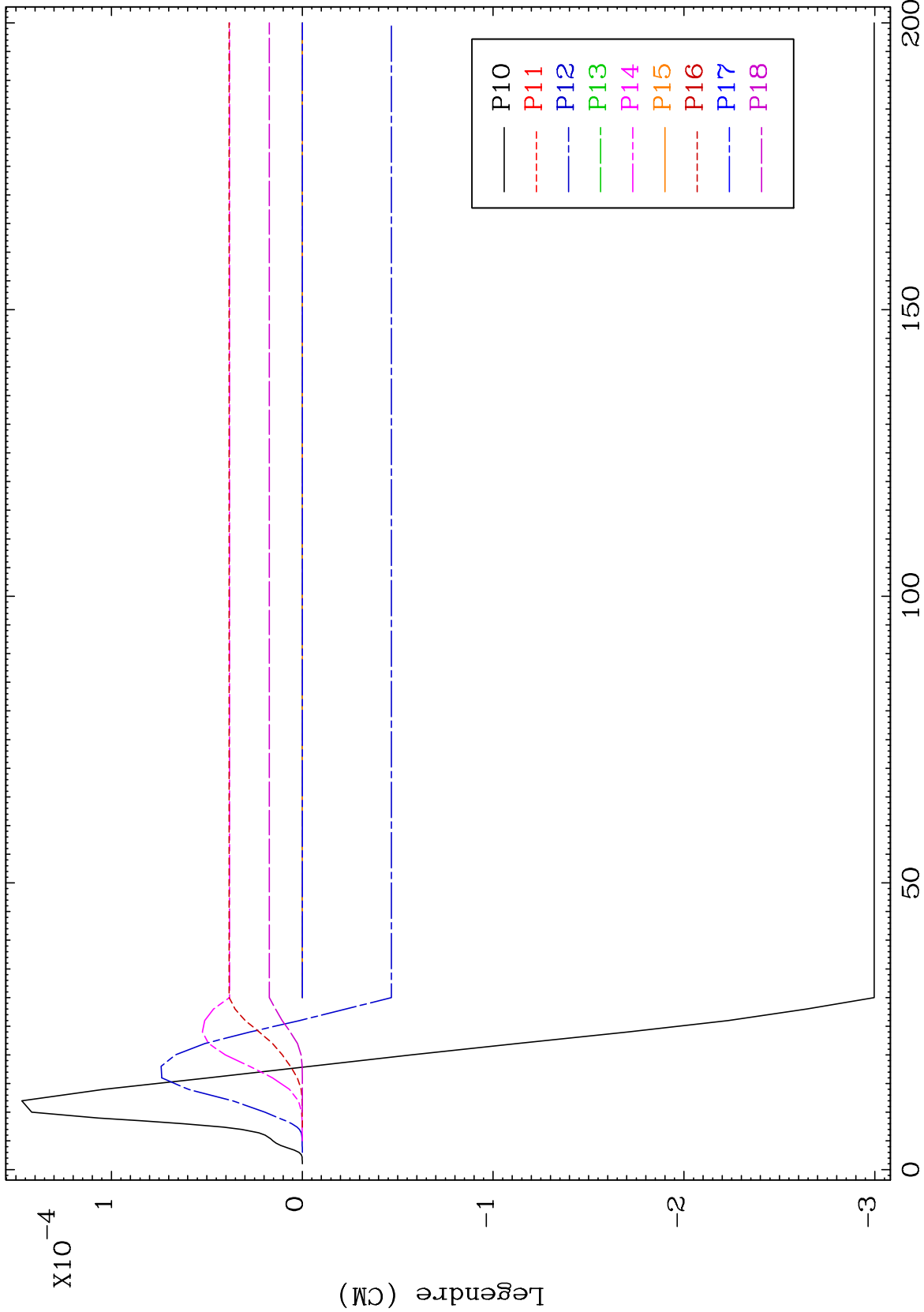
Incident Energy (MeV)

58

MAT 8310

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

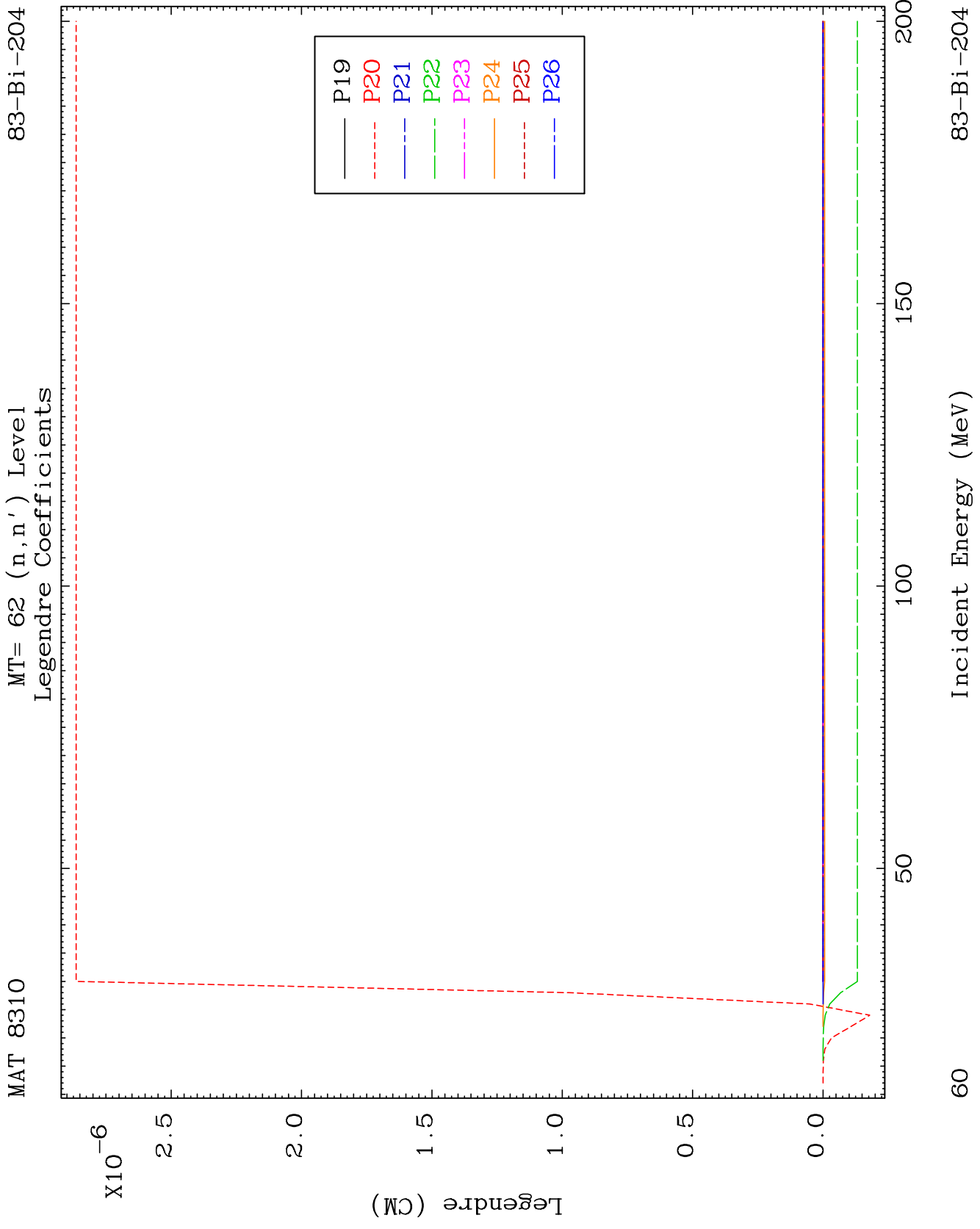
83-Bi-204



59

Incident Energy (MeV)

83-Bi-204

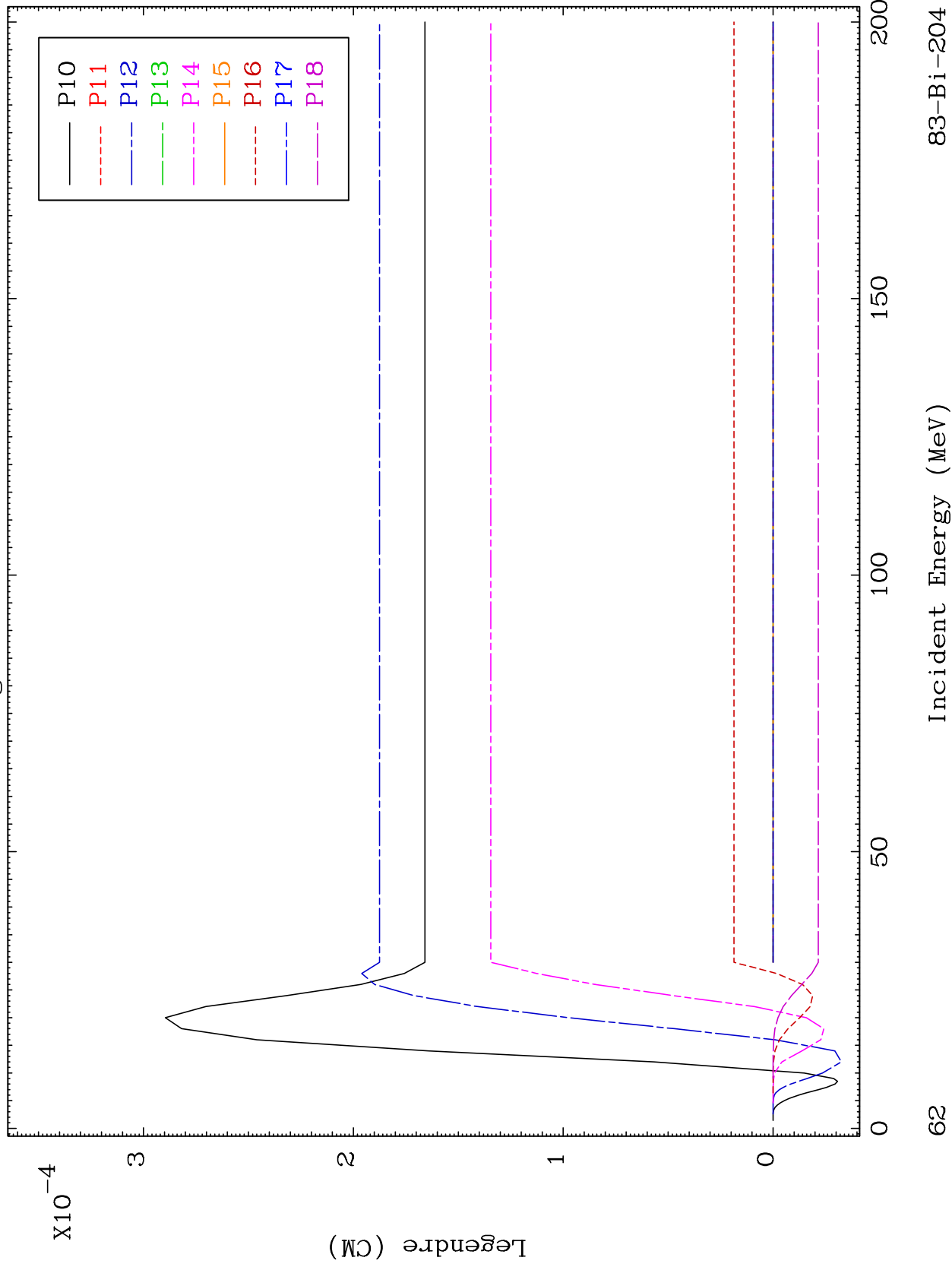


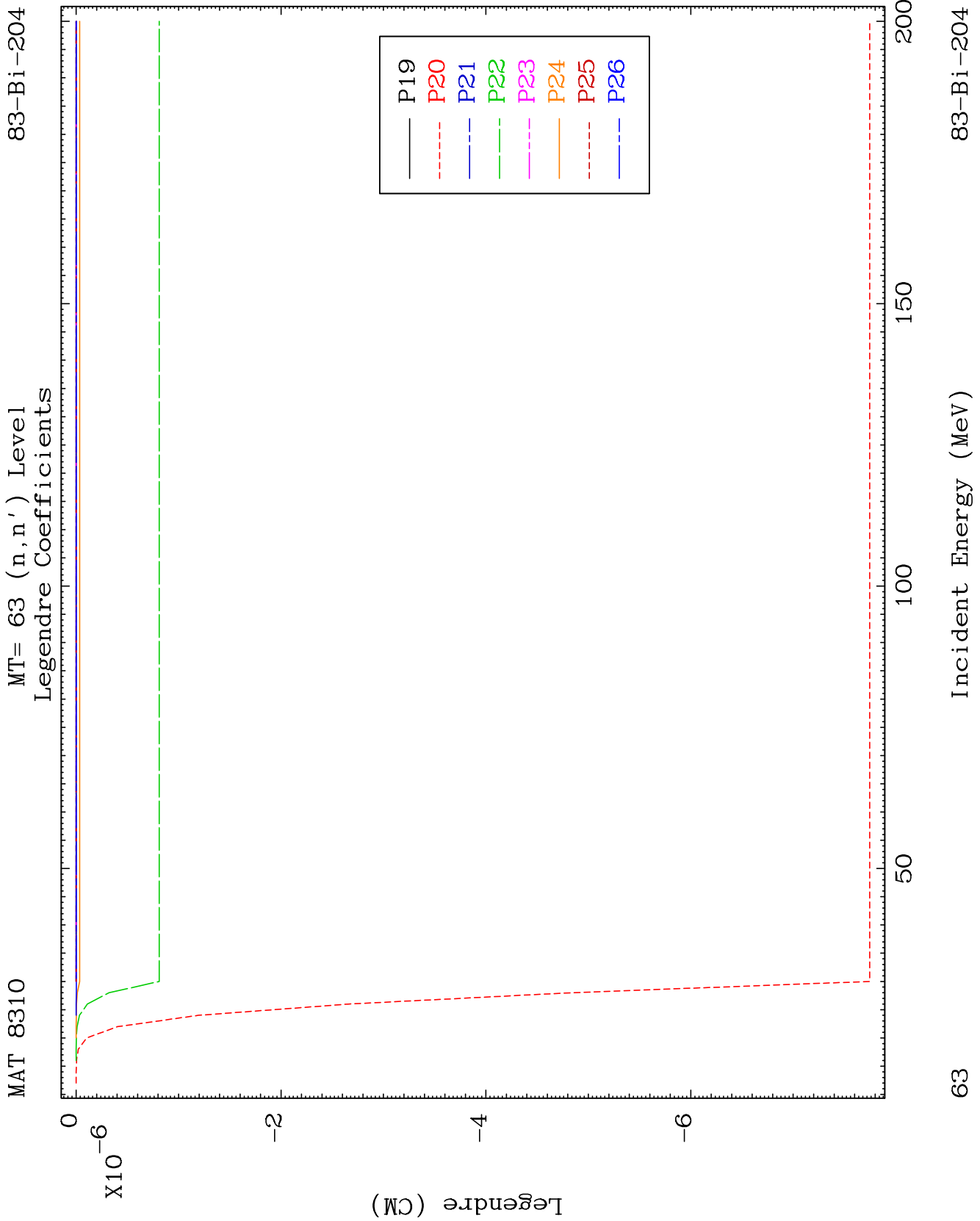


MAT 8310

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

83-Bi-204



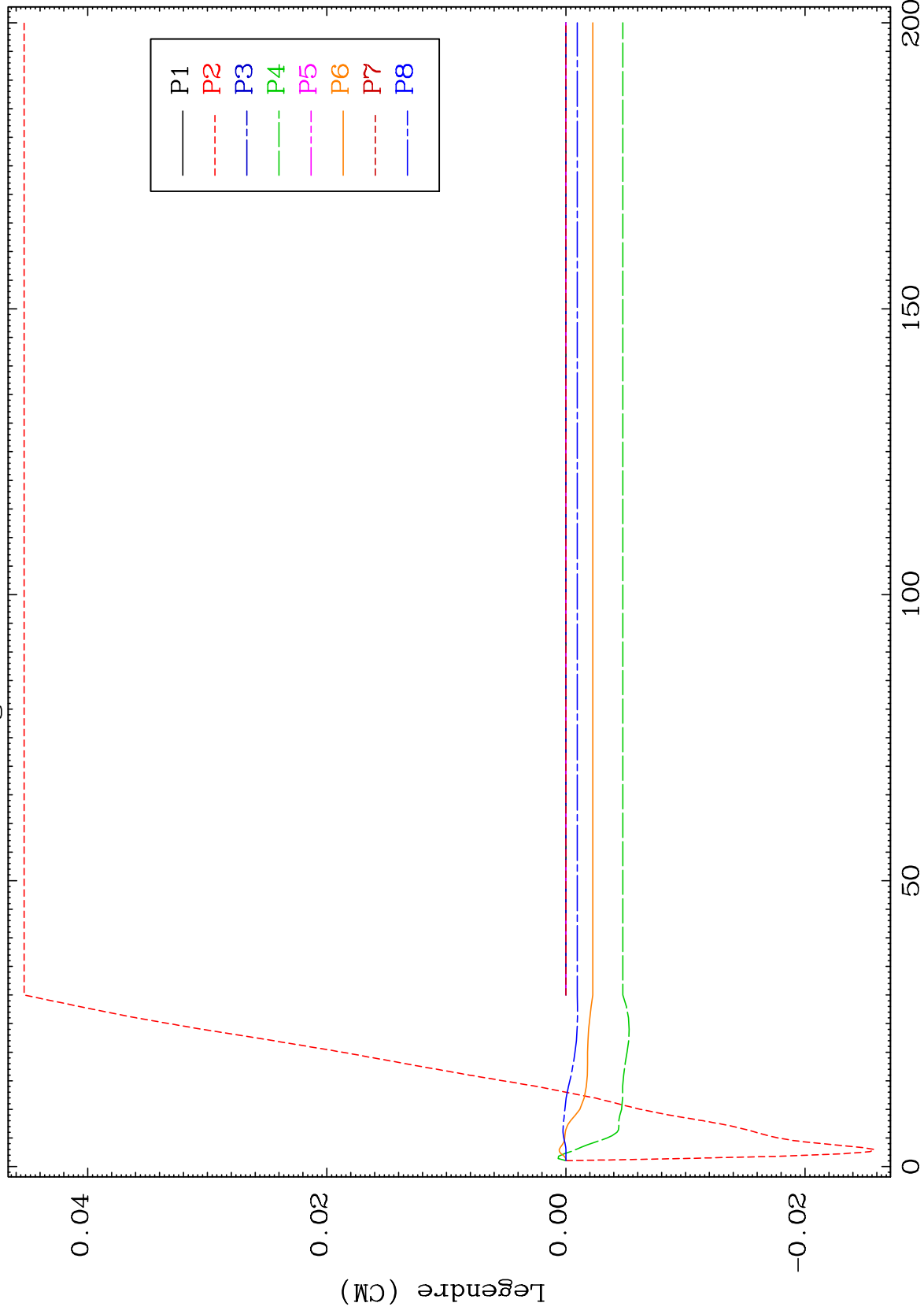




MAT 8310

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

83-Bi-204



83-Bi-204

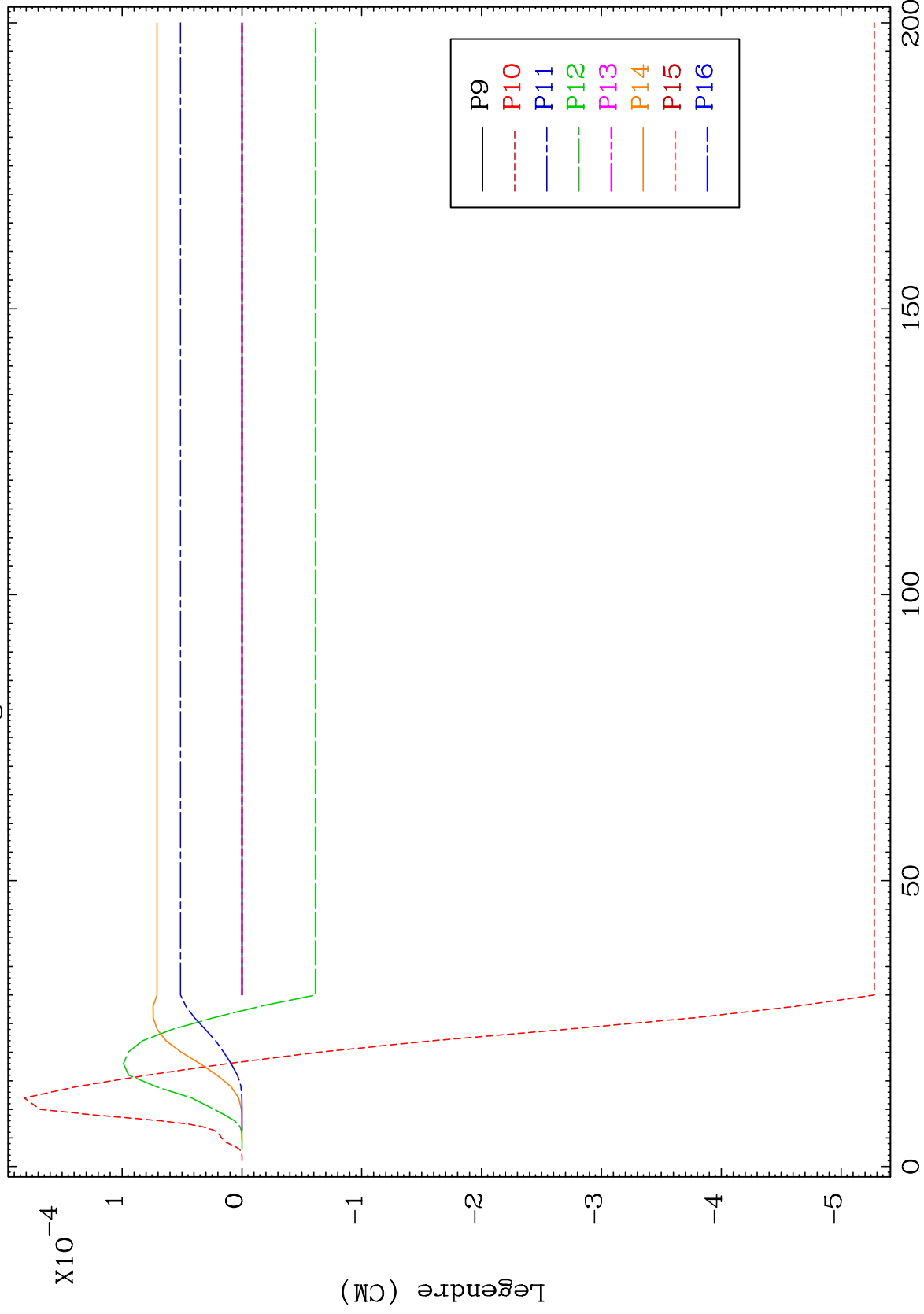
Incident Energy (MeV)

64

MAT 8310

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

83-Bi-204



65

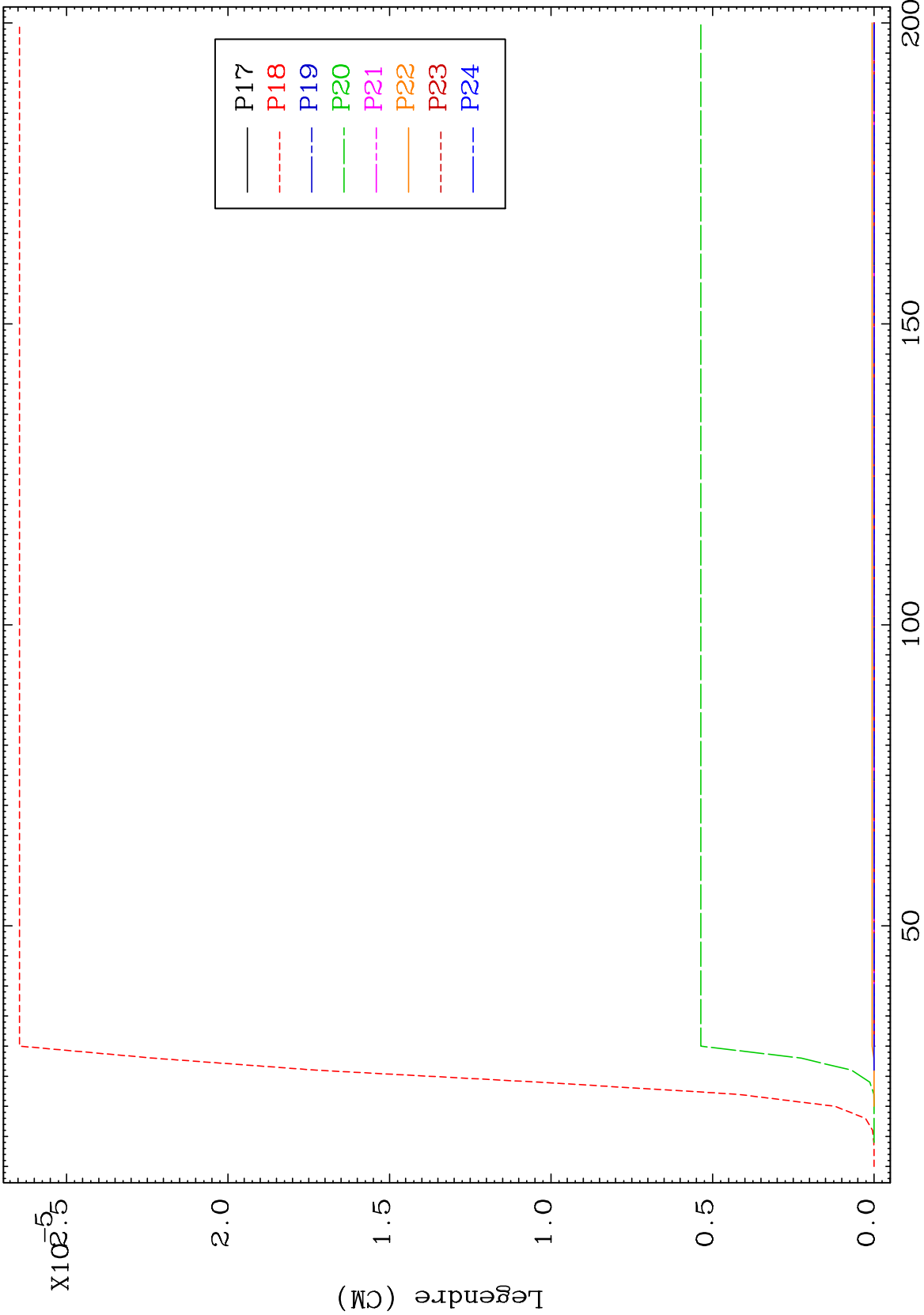
Incident Energy (MeV)

83-Bi-204

MAT 8310

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

83-Bi-204



66

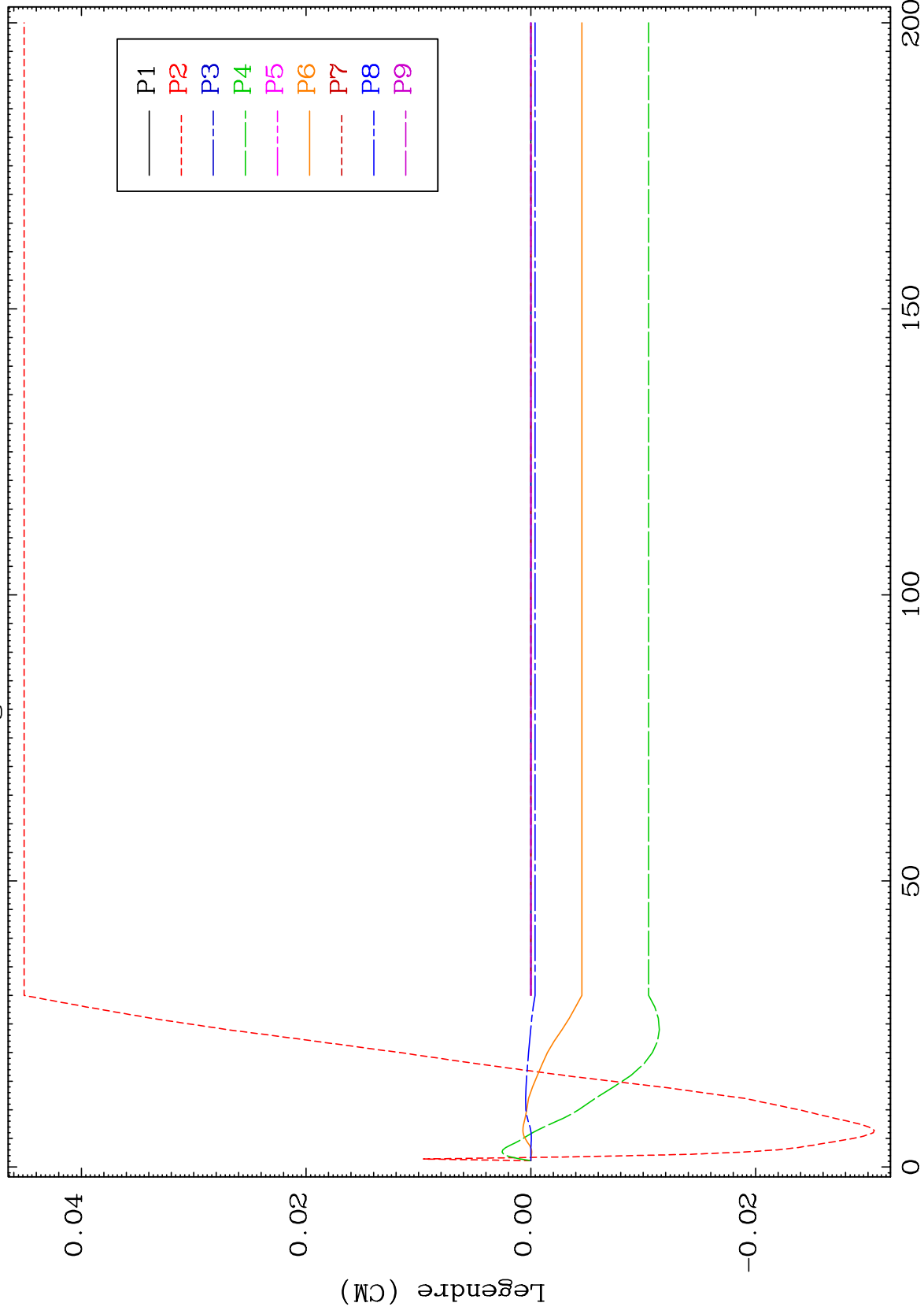
Incident Energy (MeV)

83-Bi-204

MAT 8310

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

83-Bi-204



67

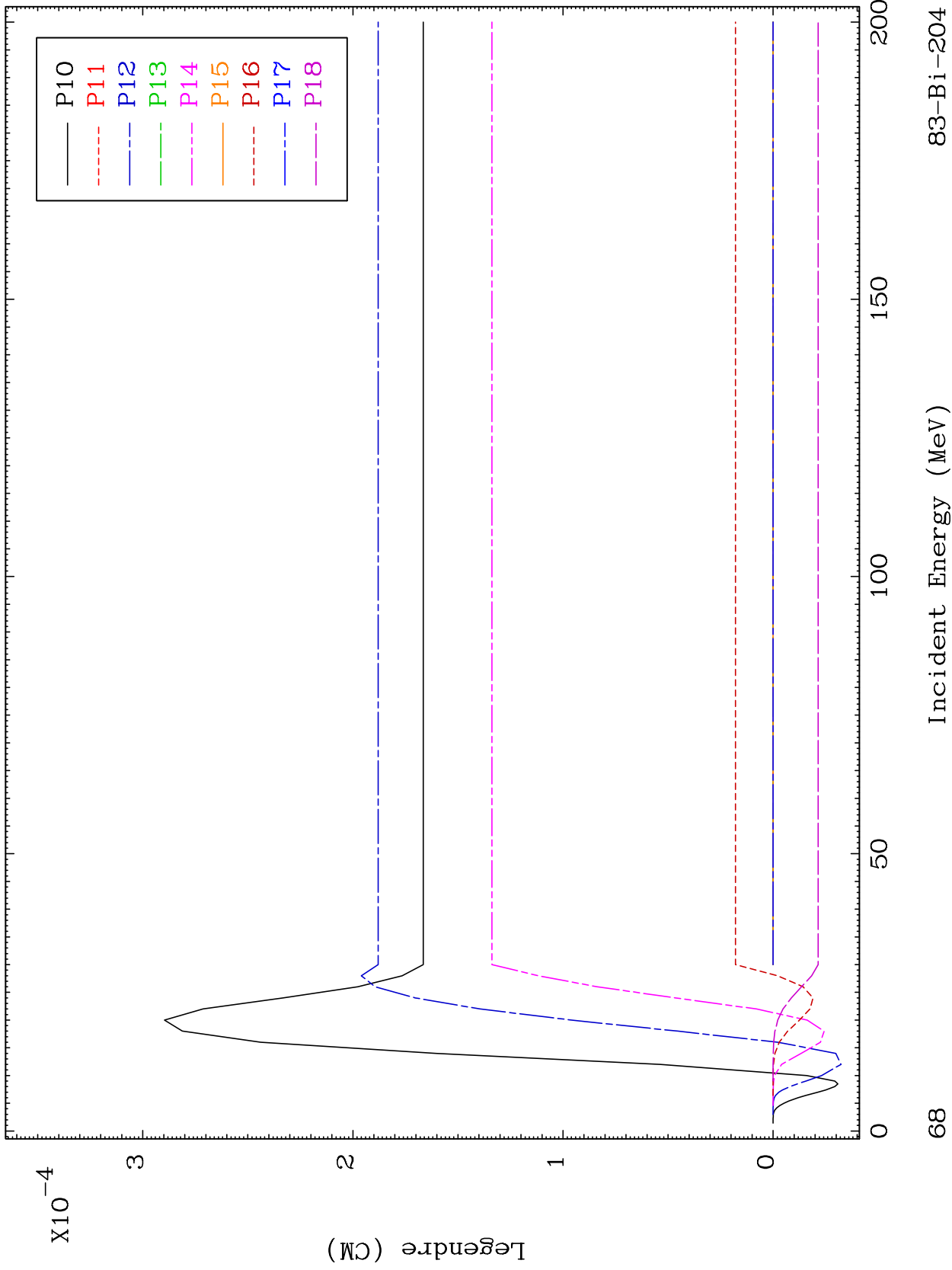
Incident Energy (MeV)

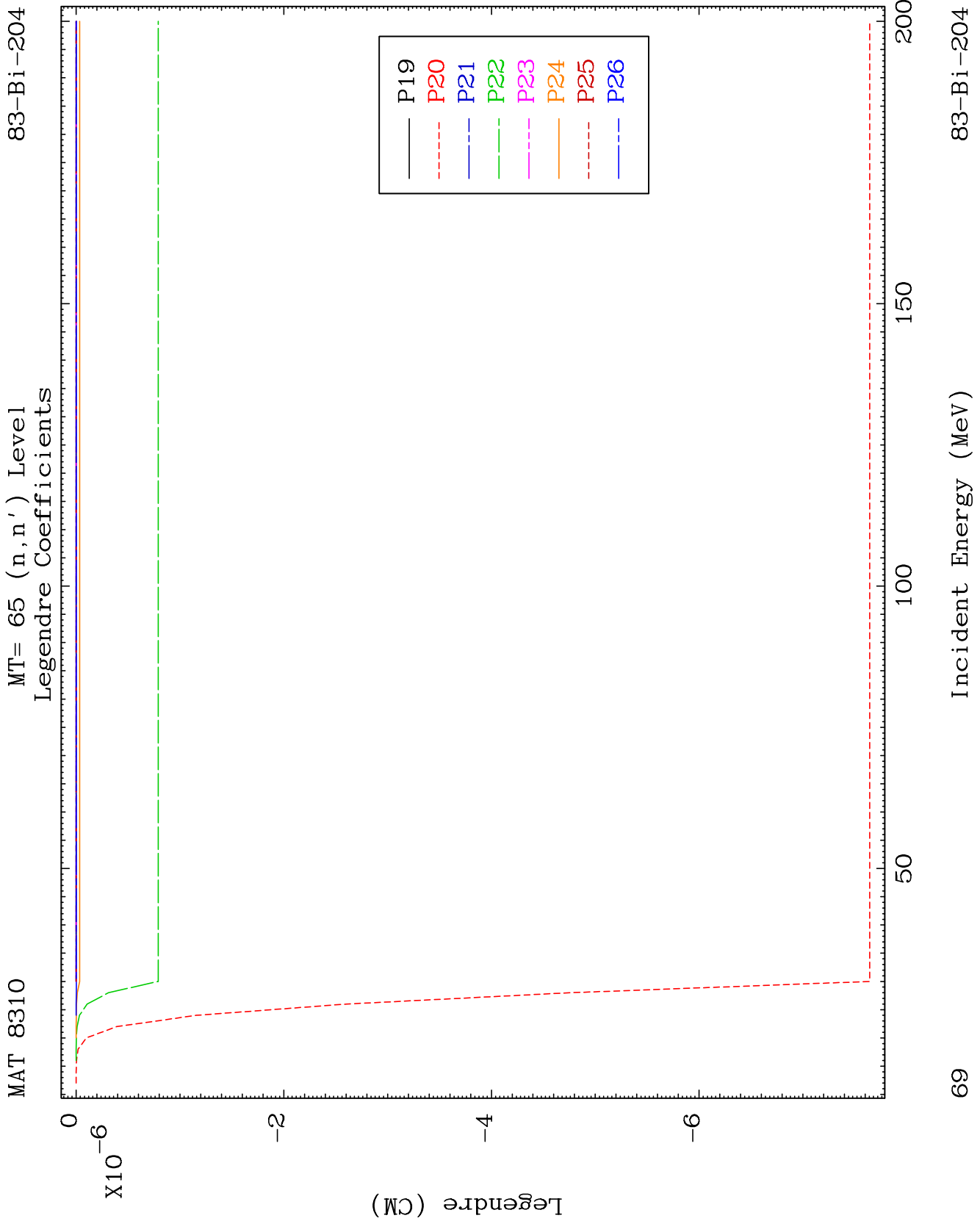
83-Bi-204

MAT 8310

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

83-Bi-204

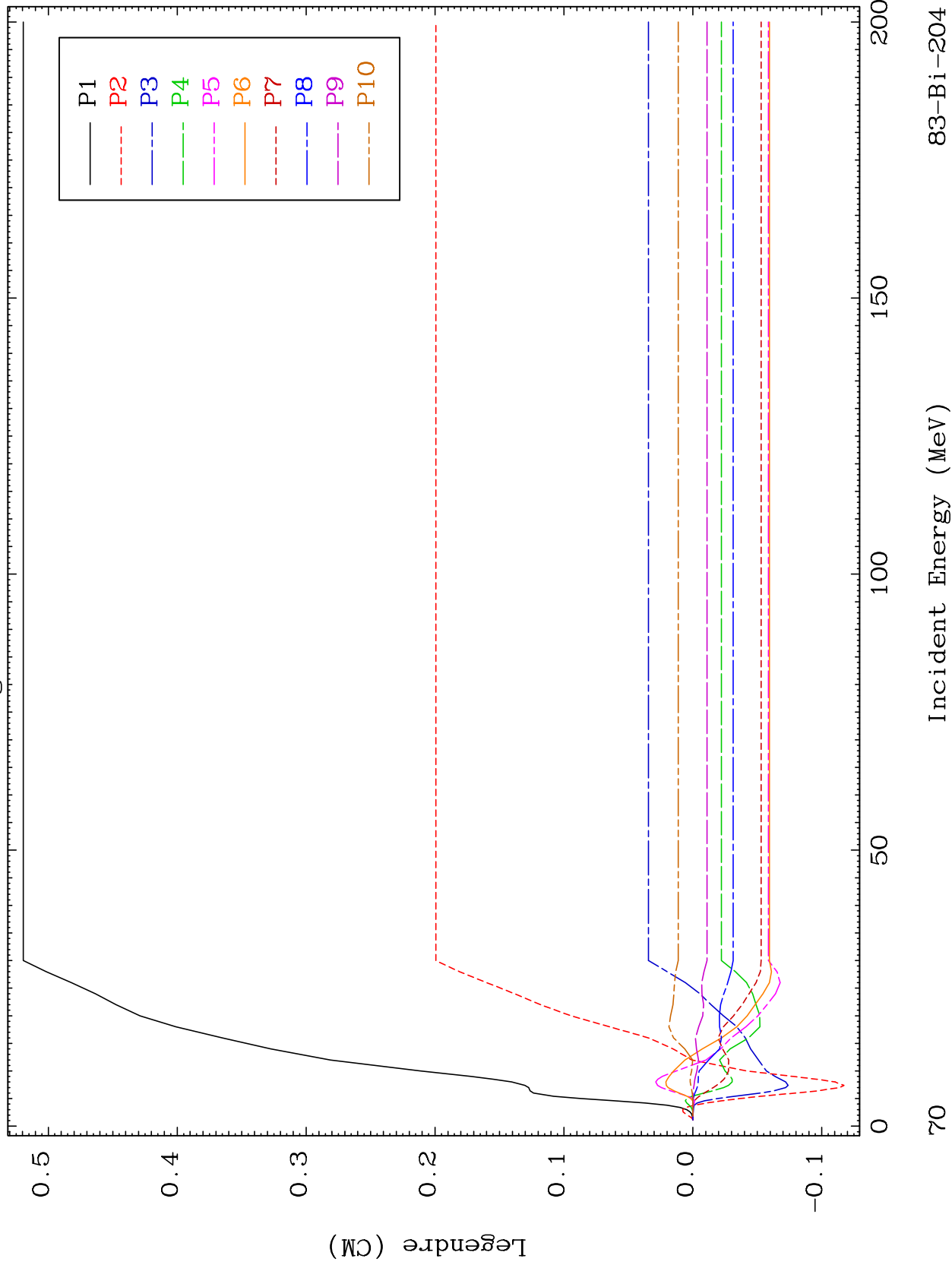




MAT 8310

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

83-Bi-204



83-Bi-204

Incident Energy (MeV)

70

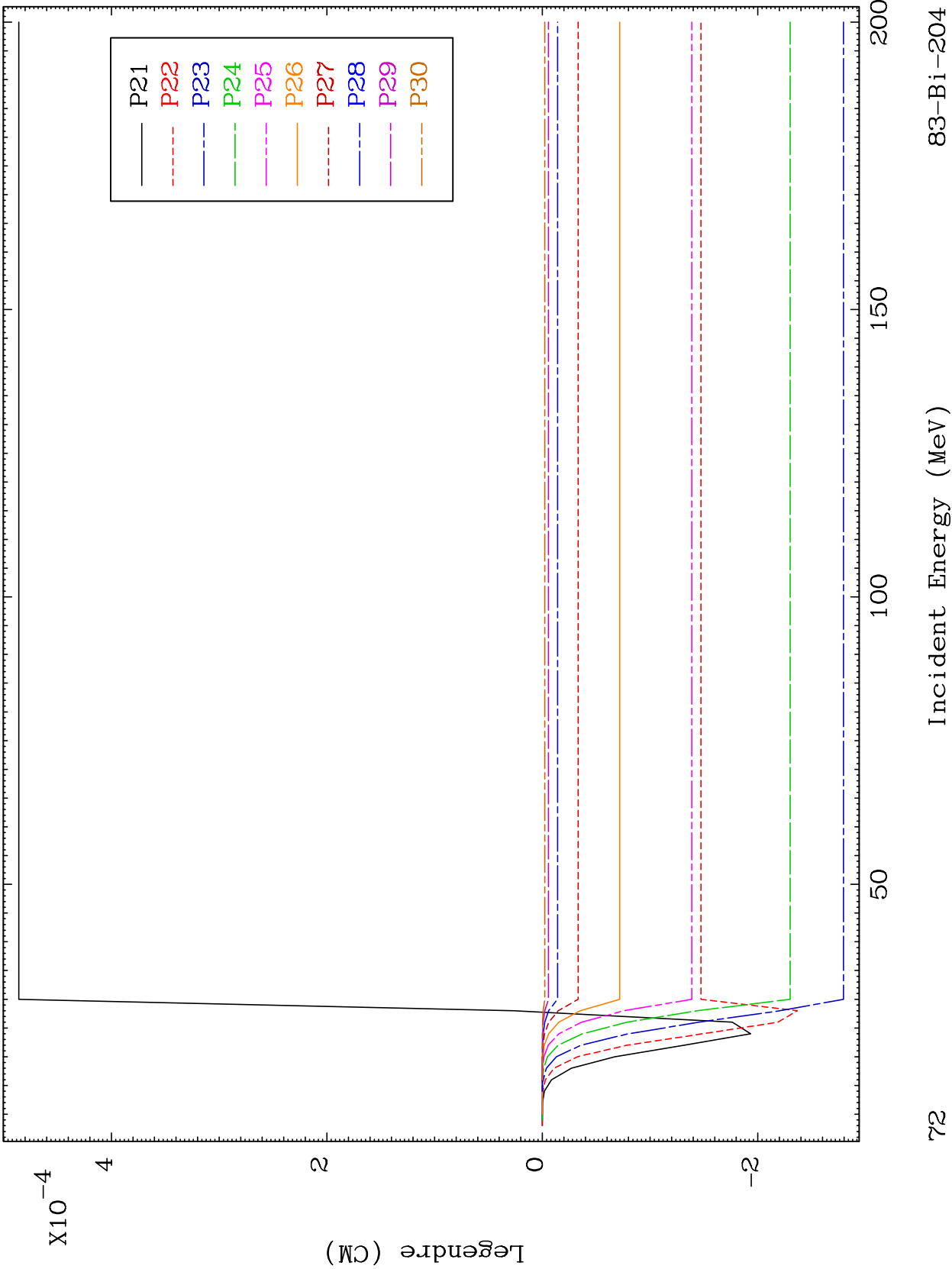




MAT 8310

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

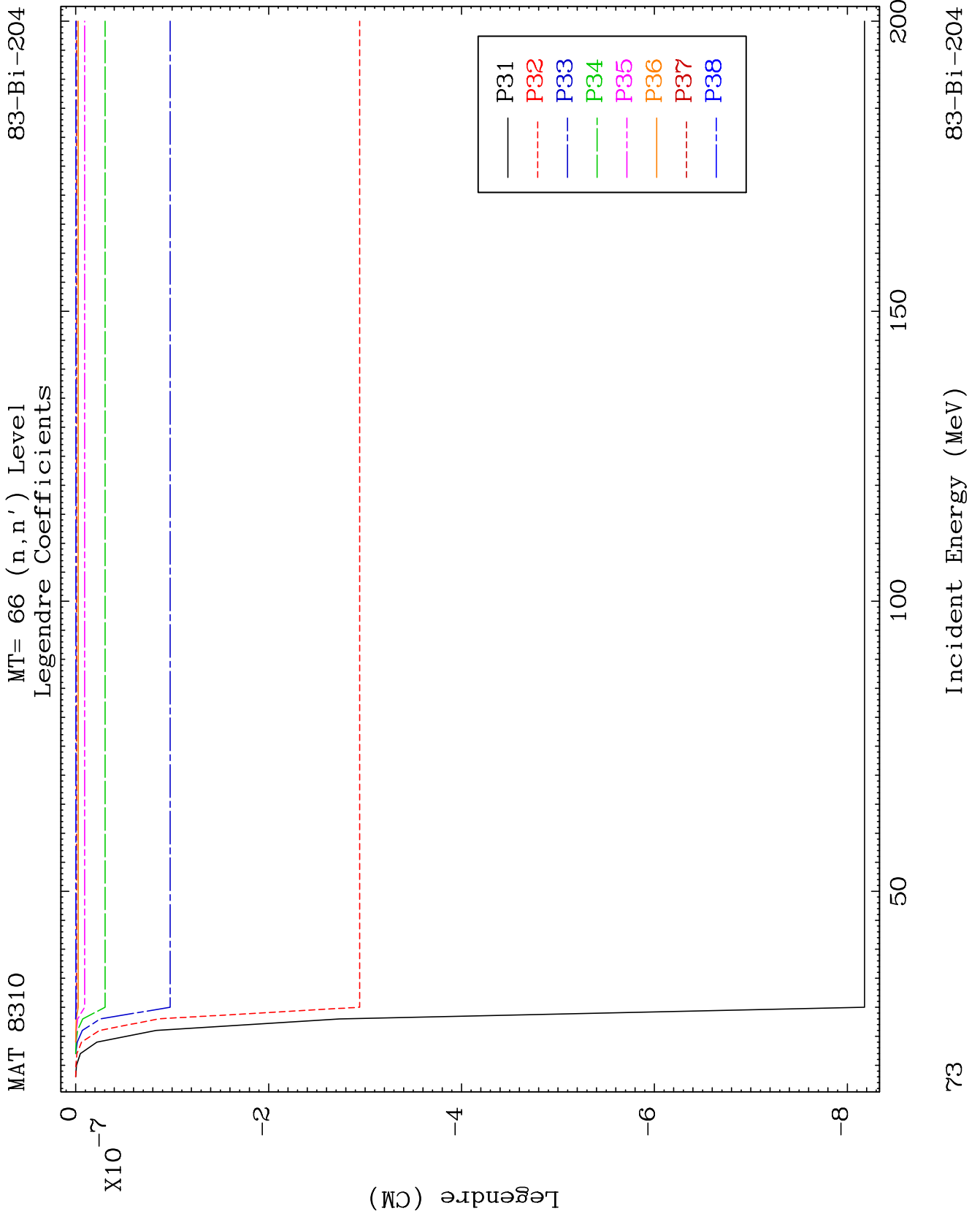
83-Bi-204



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Incident Energy (MeV)

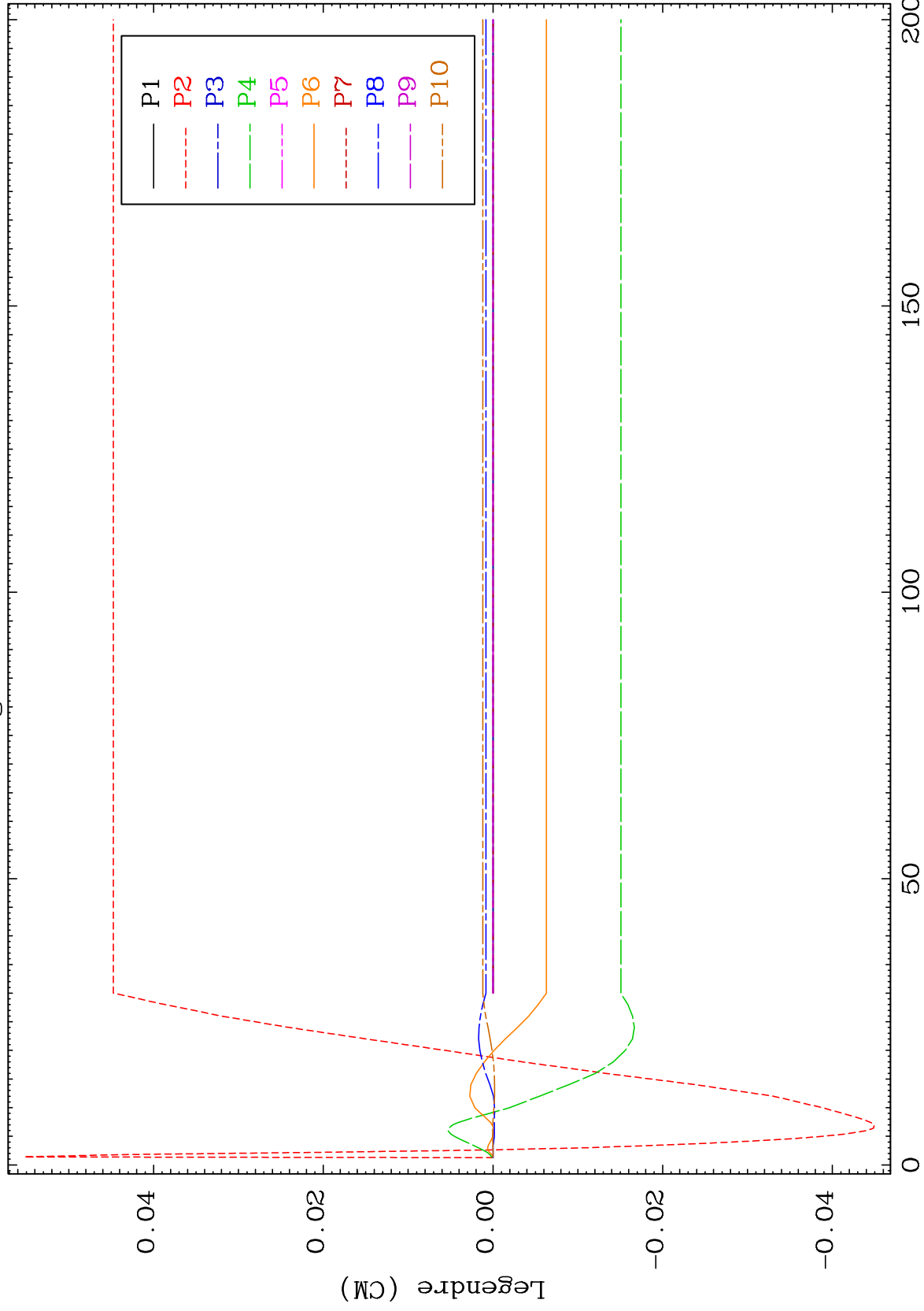
83-Bi-204



MAT 8310

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

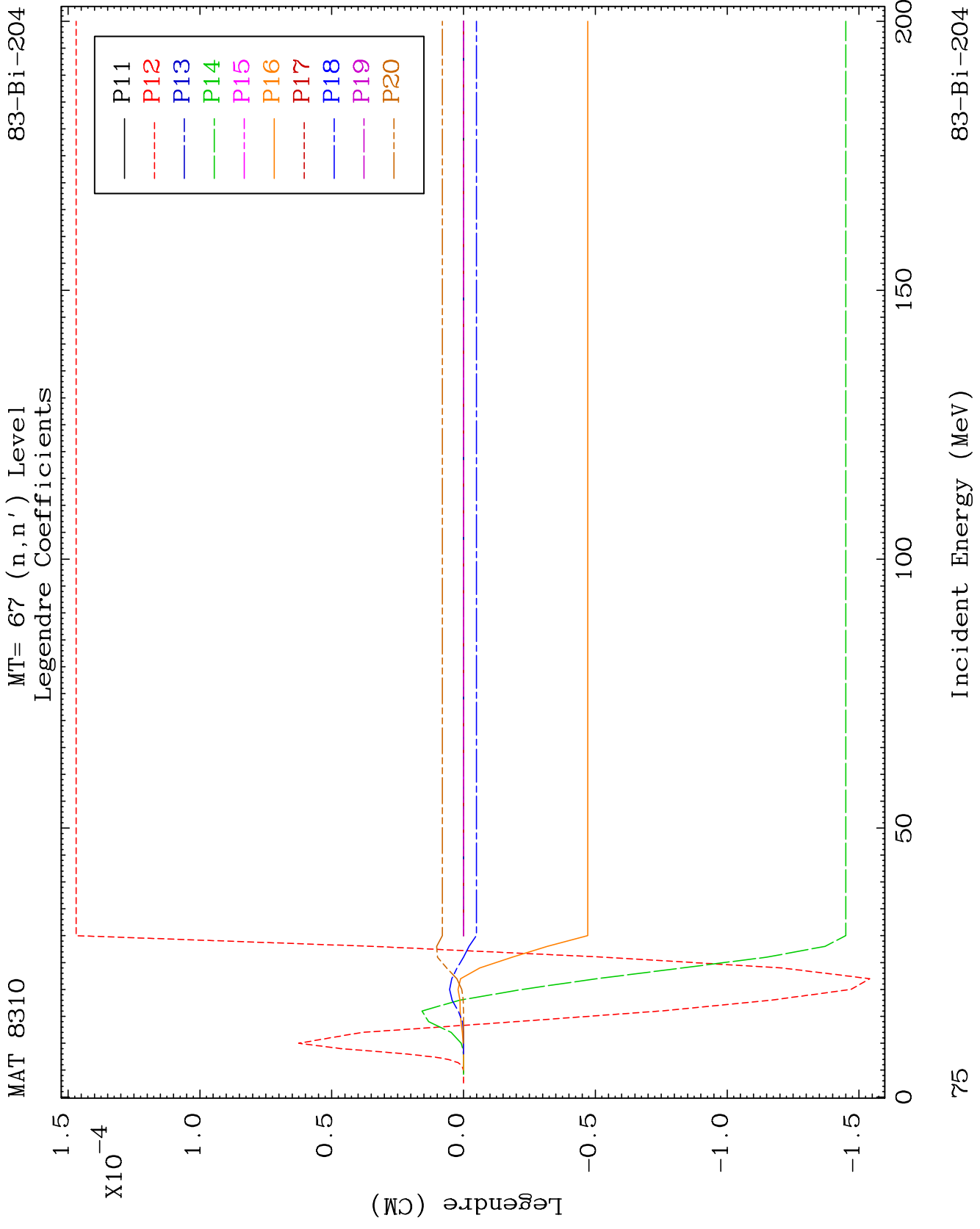
83-Bi-204



83-Bi-204

Incident Energy (MeV)

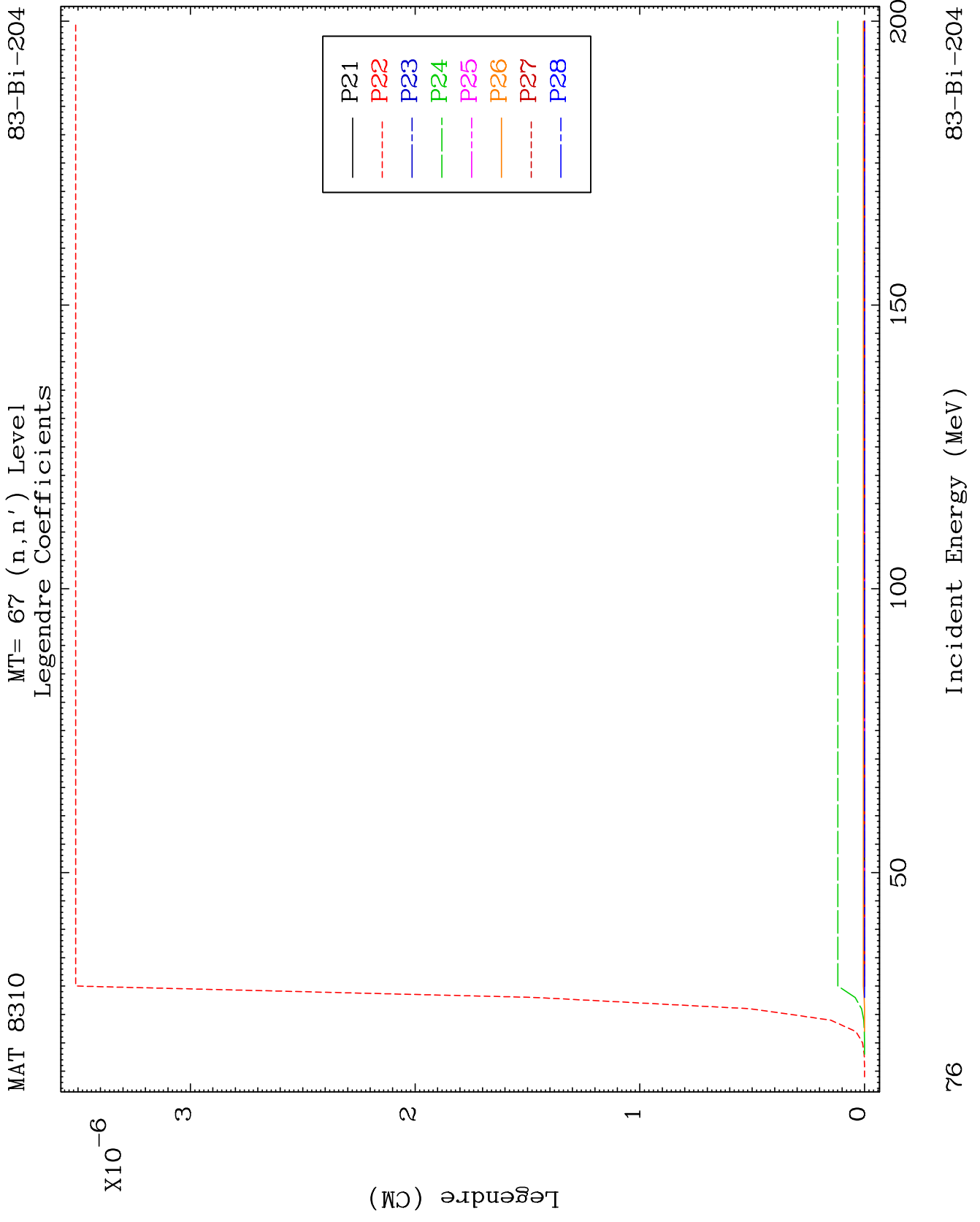
74



83-Bi-204

Incident Energy (MeV)

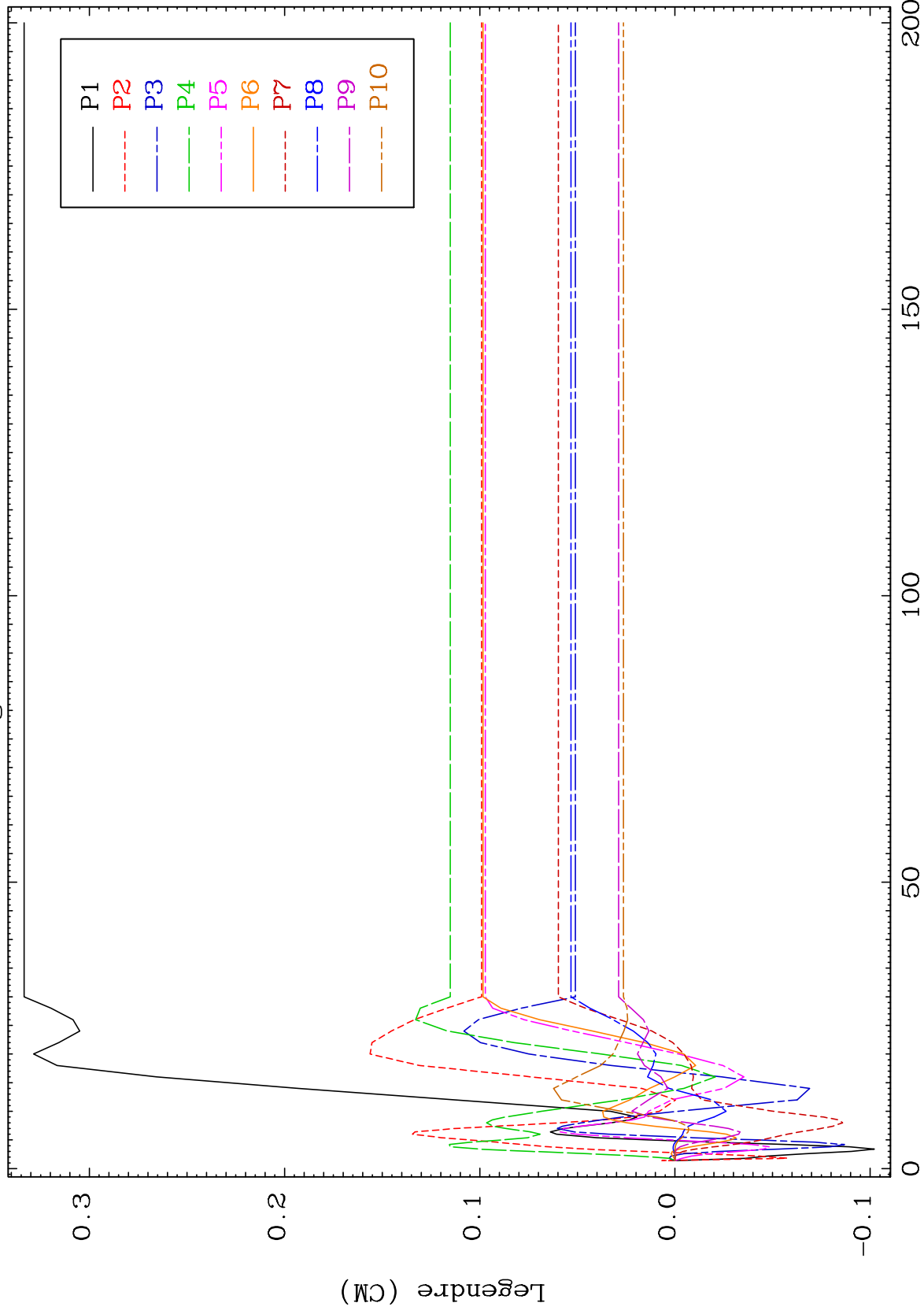
75



MAT 8310

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

83-Bi-204



77

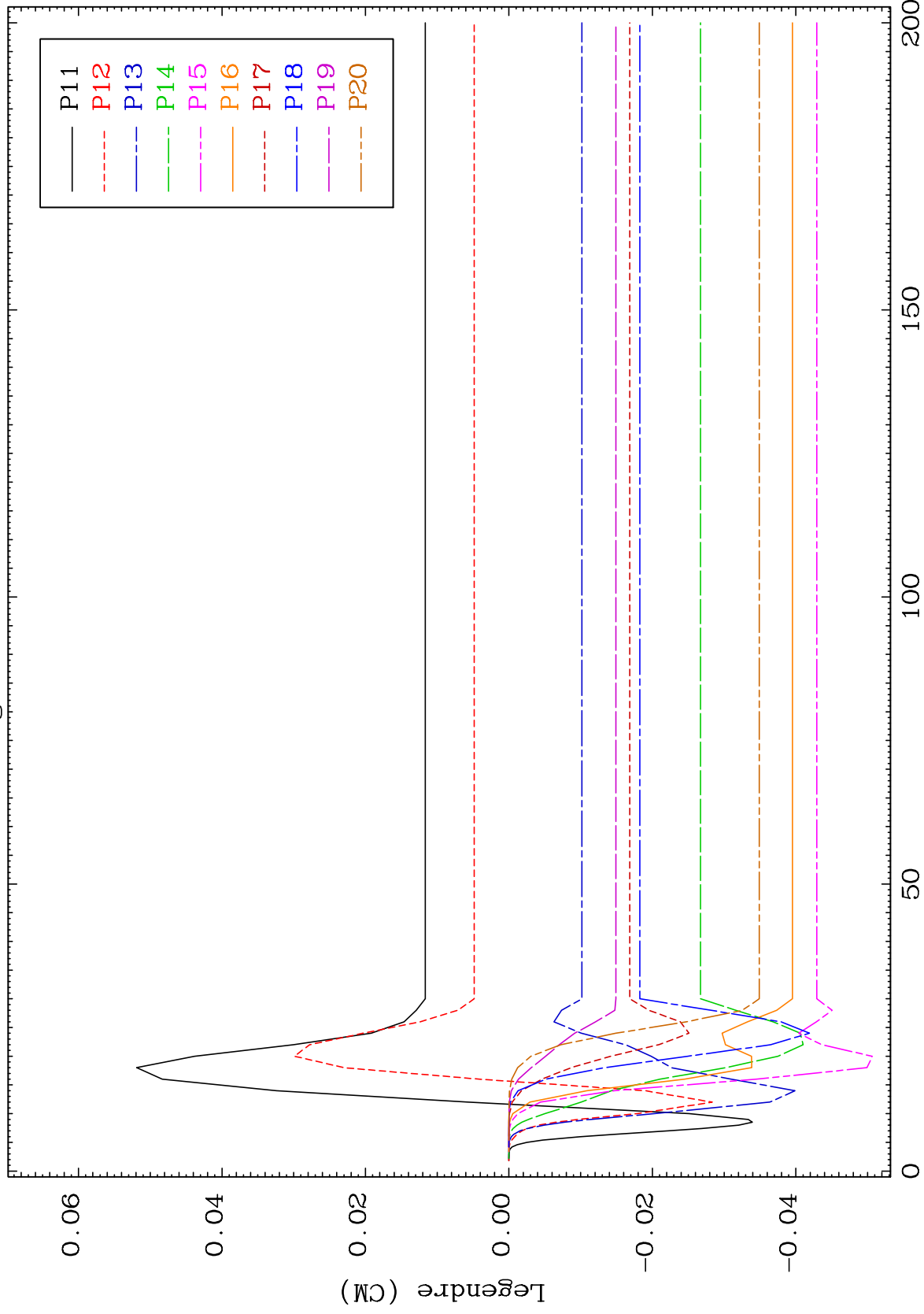
Incident Energy (MeV)

83-Bi-204

MAT 8310

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

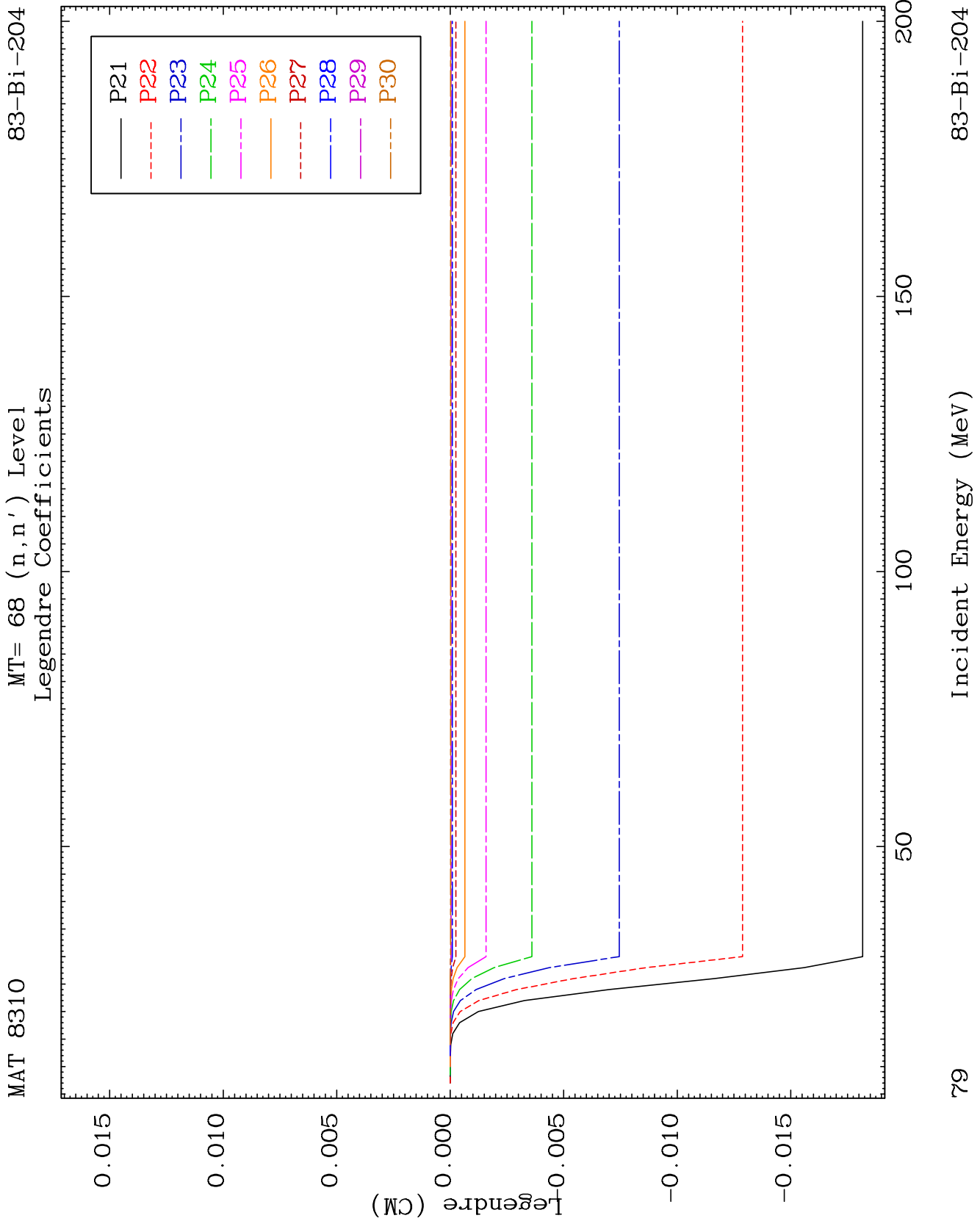
83-Bi-204



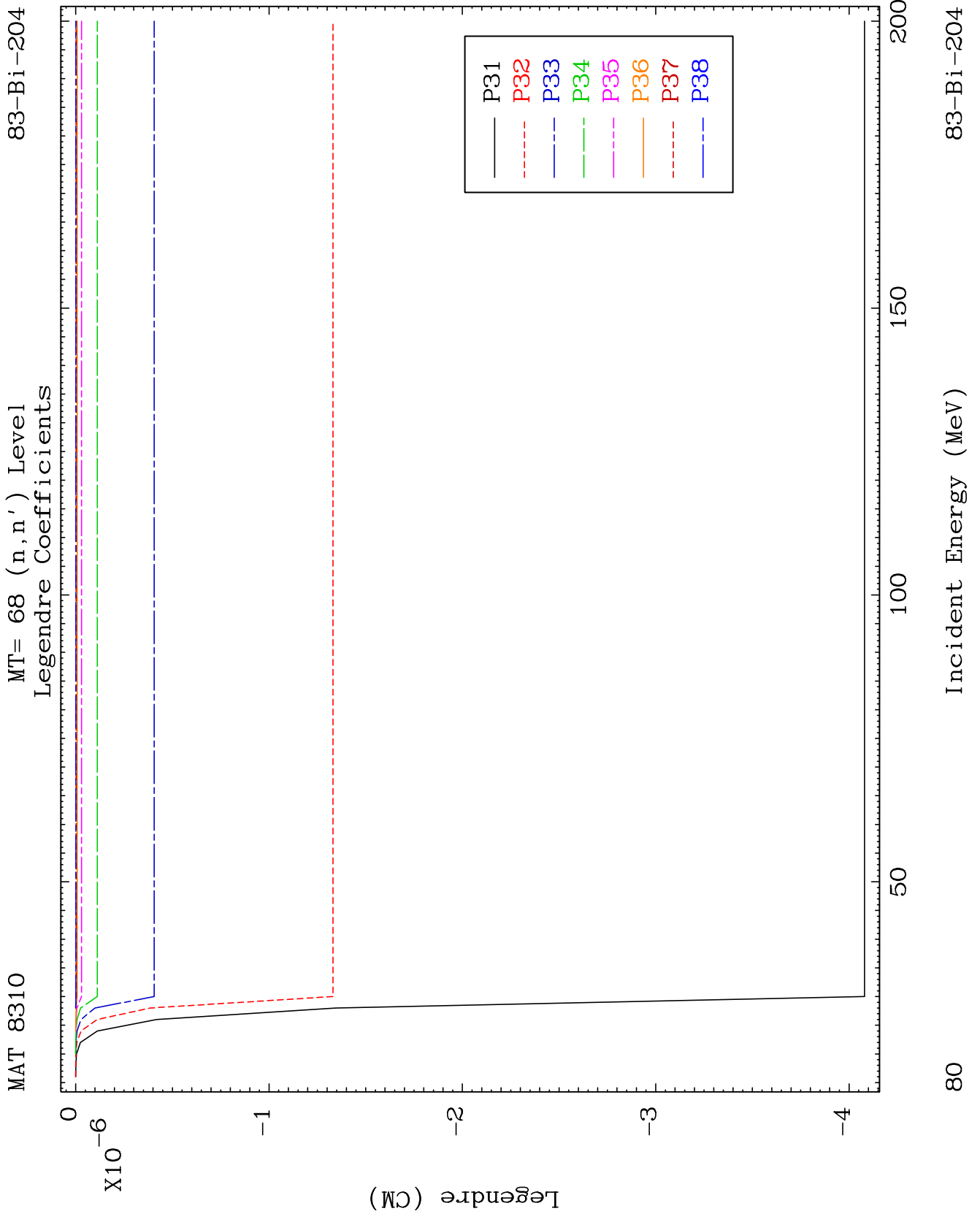
83-Bi-204

Incident Energy (MeV)

78





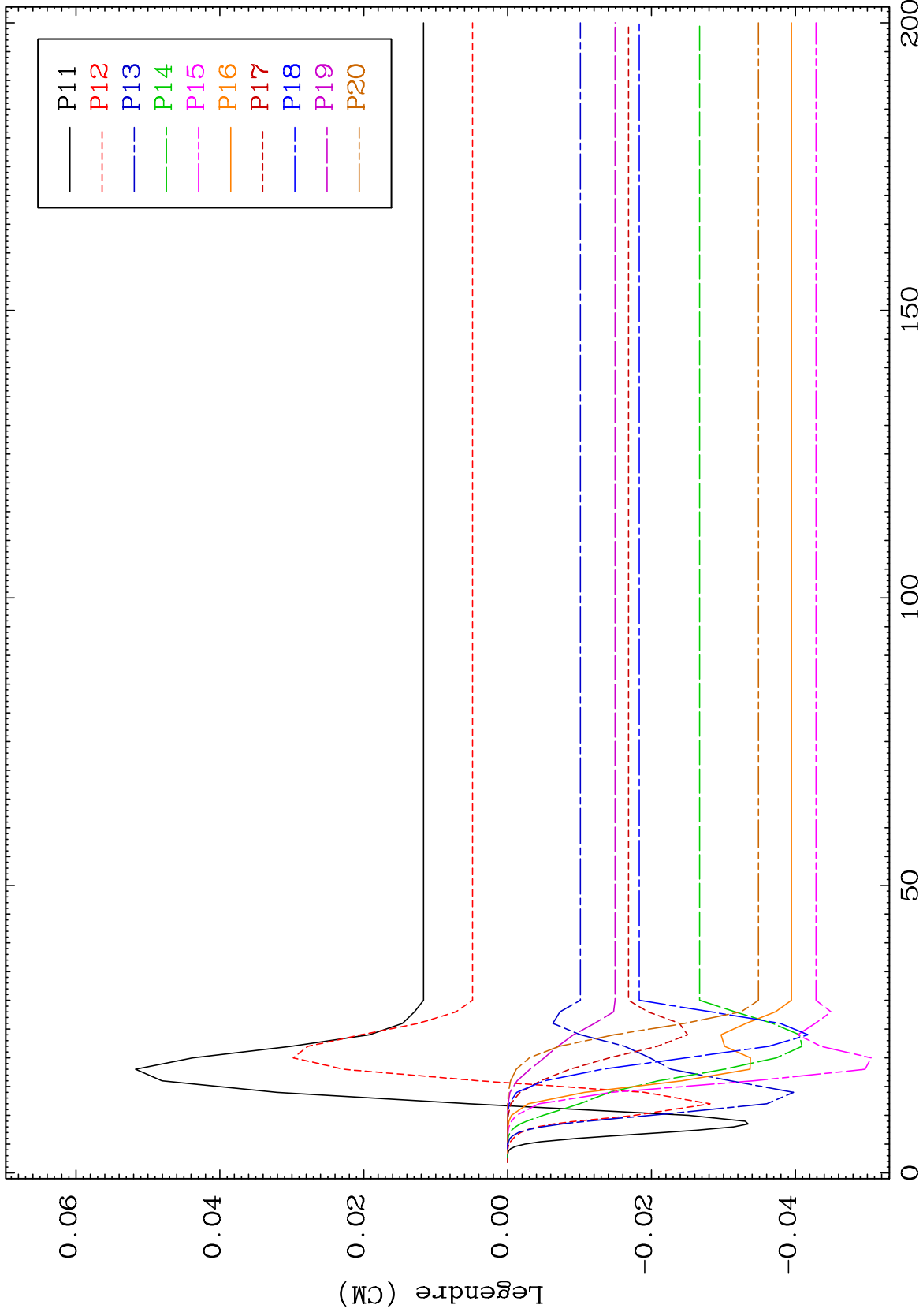




MAT 8310

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

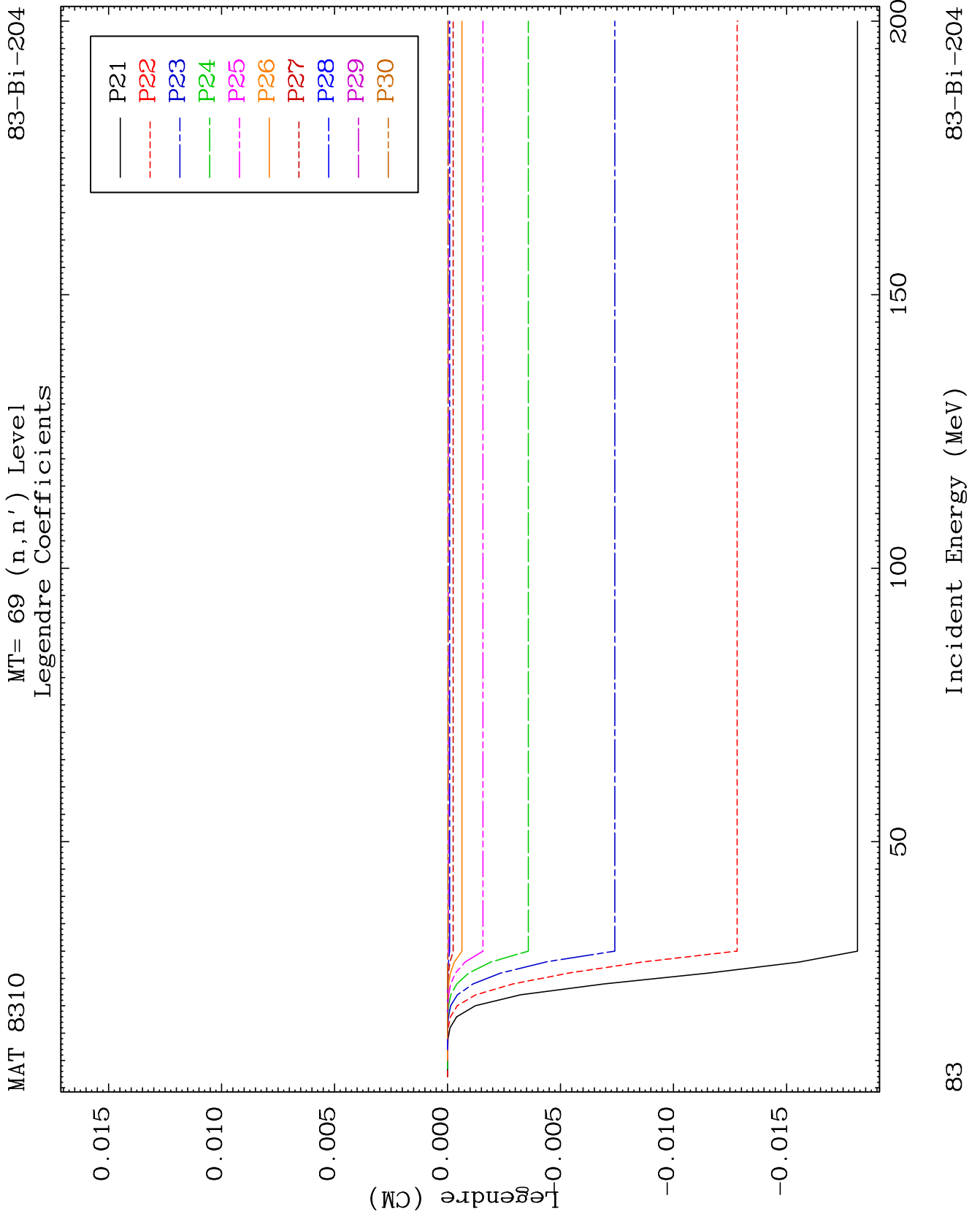
83-Bi-204

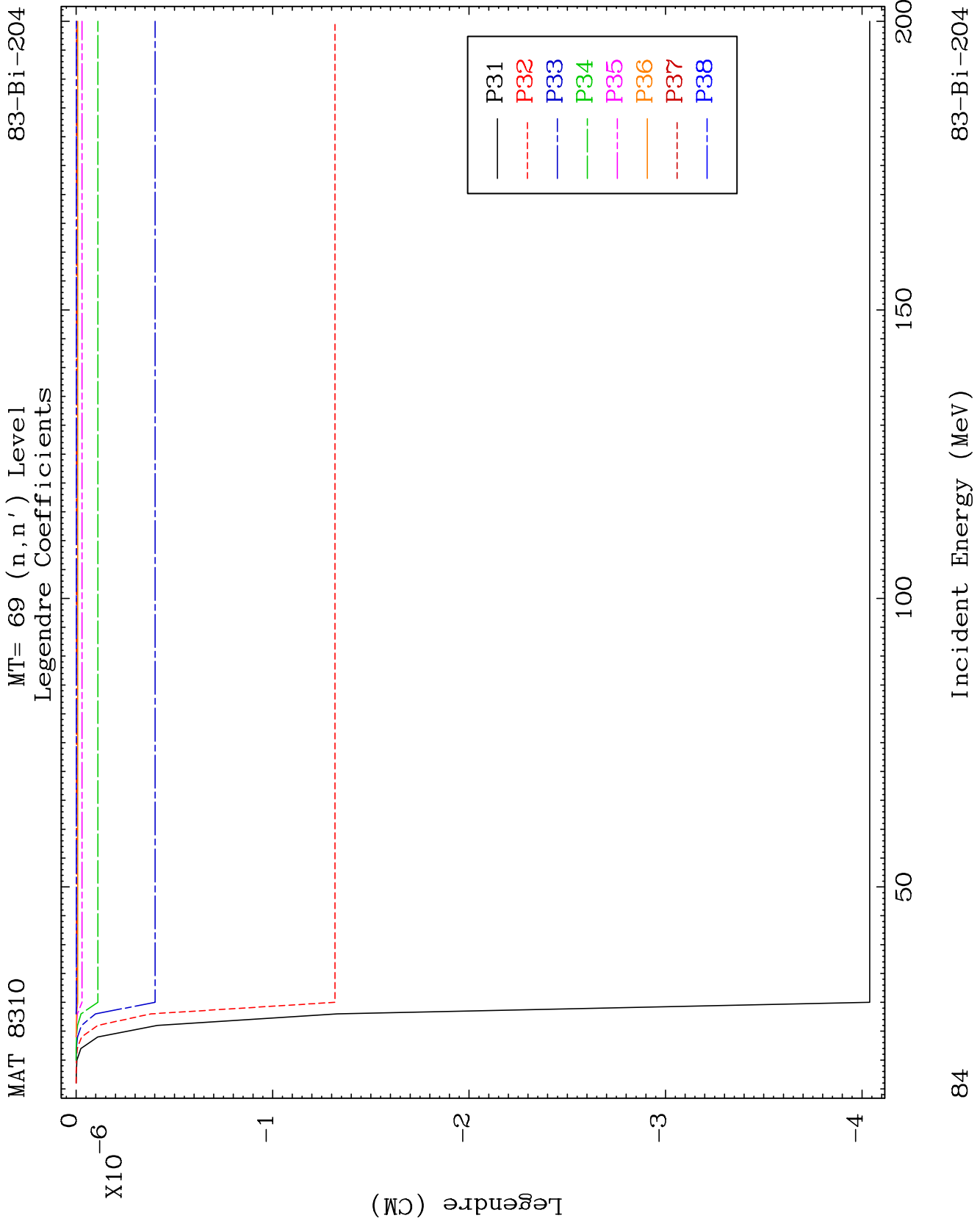


82

Incident Energy (MeV)

83-Bi-204

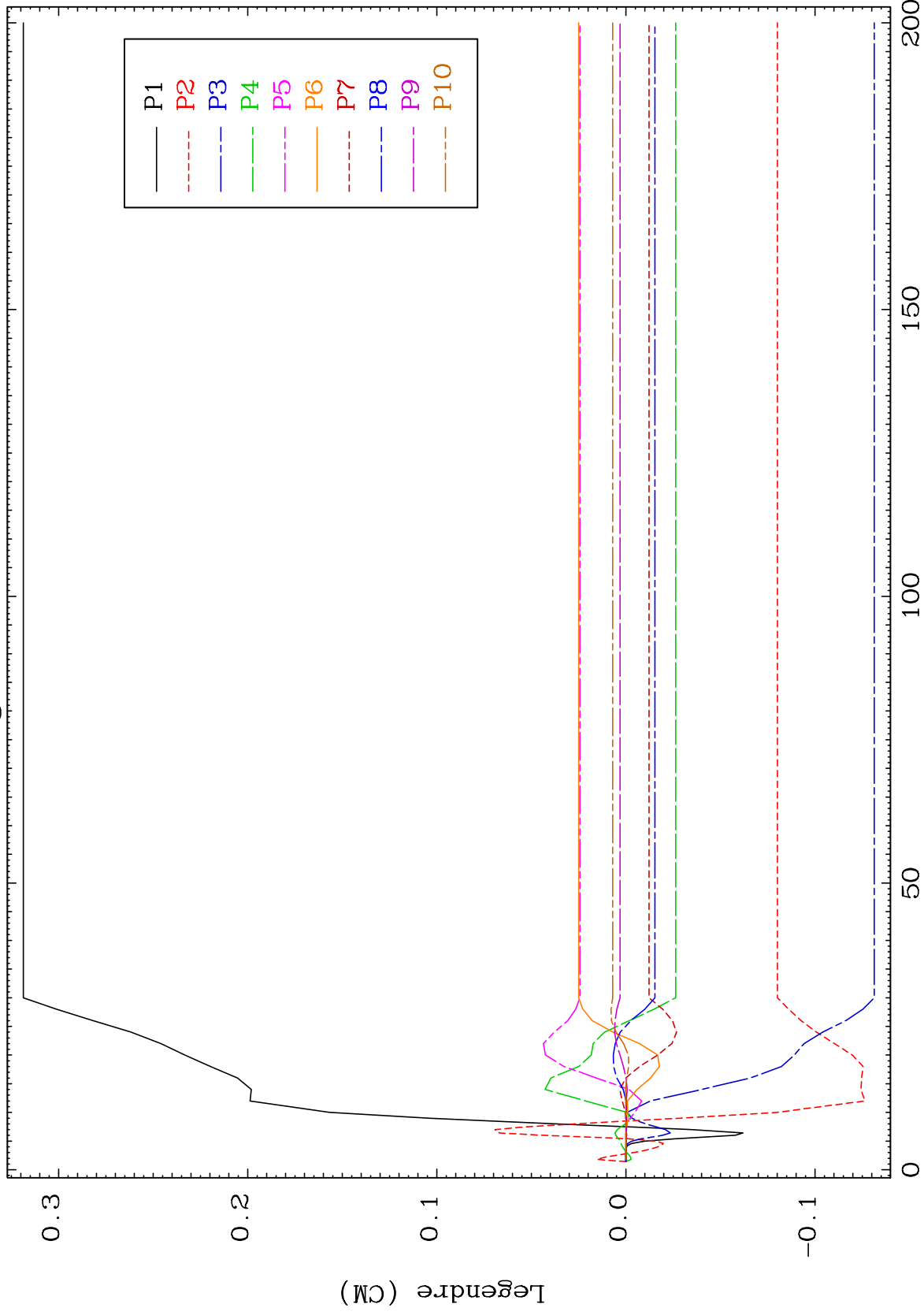




MAT 8310

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

83-Bi-204



85

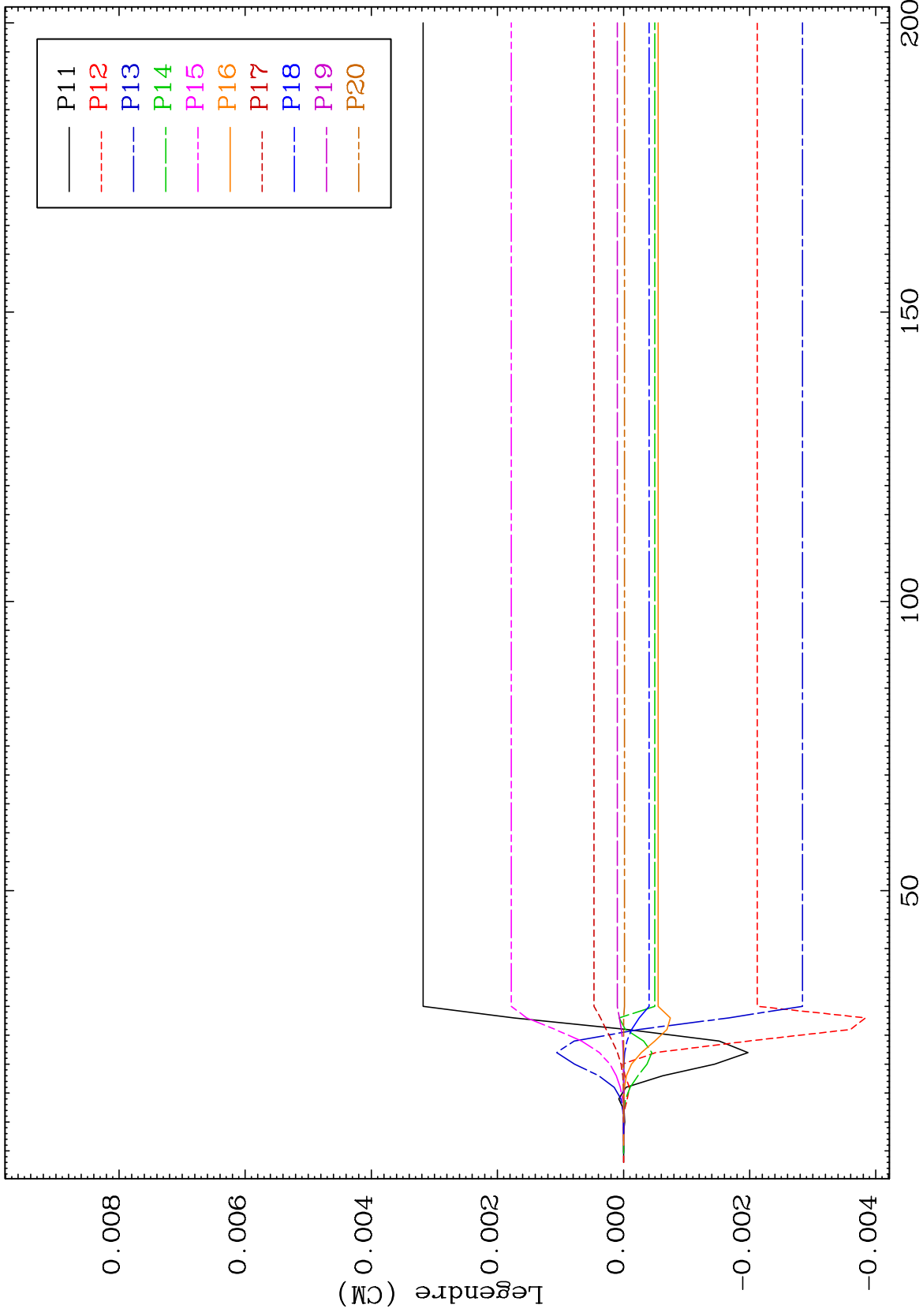
Incident Energy (MeV)

83-Bi-204

MAT 8310

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

83-Bi-204



86

Incident Energy (MeV)

83-Bi-204

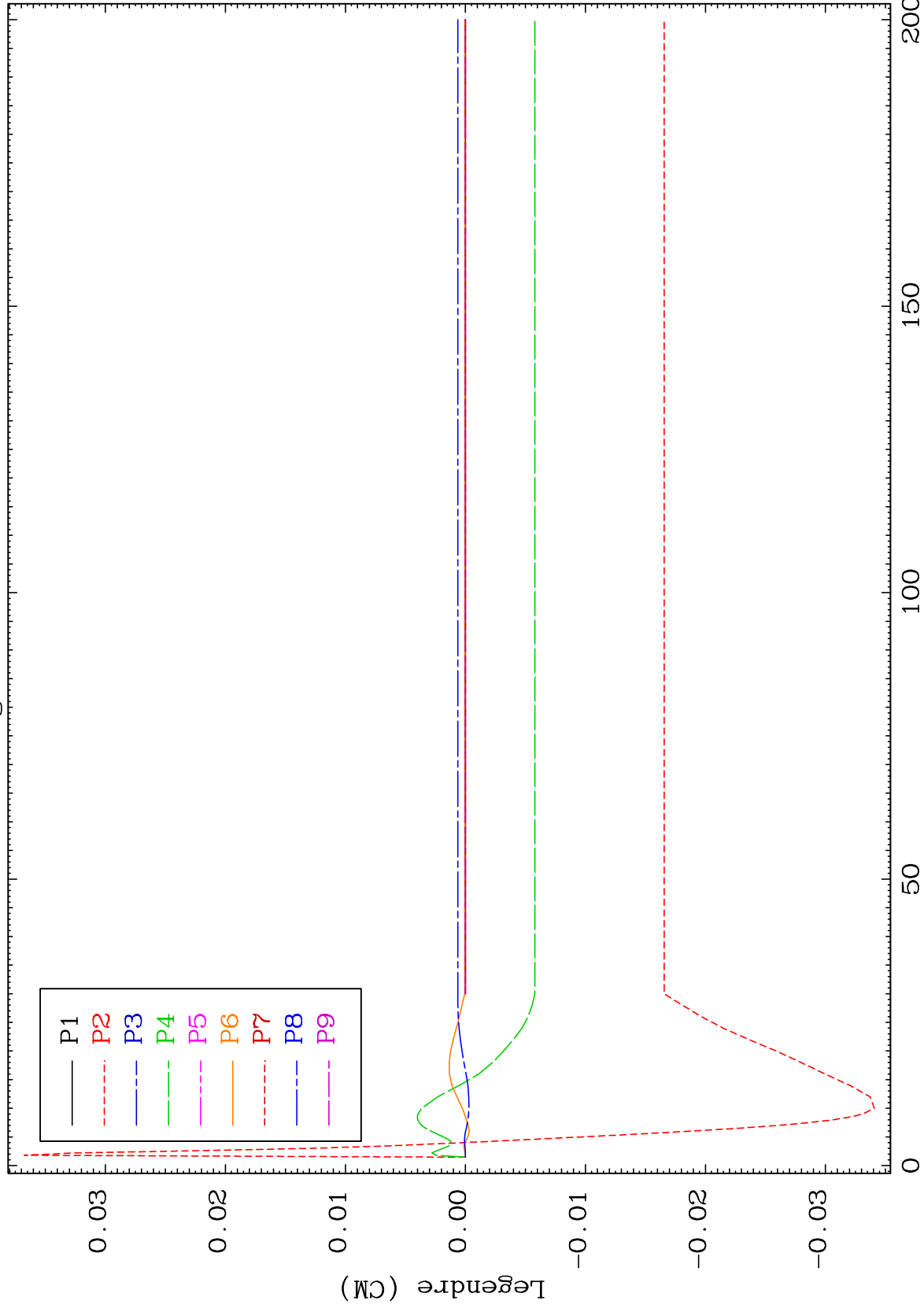




MAT 8310

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

83-Bi-204



83-Bi-204

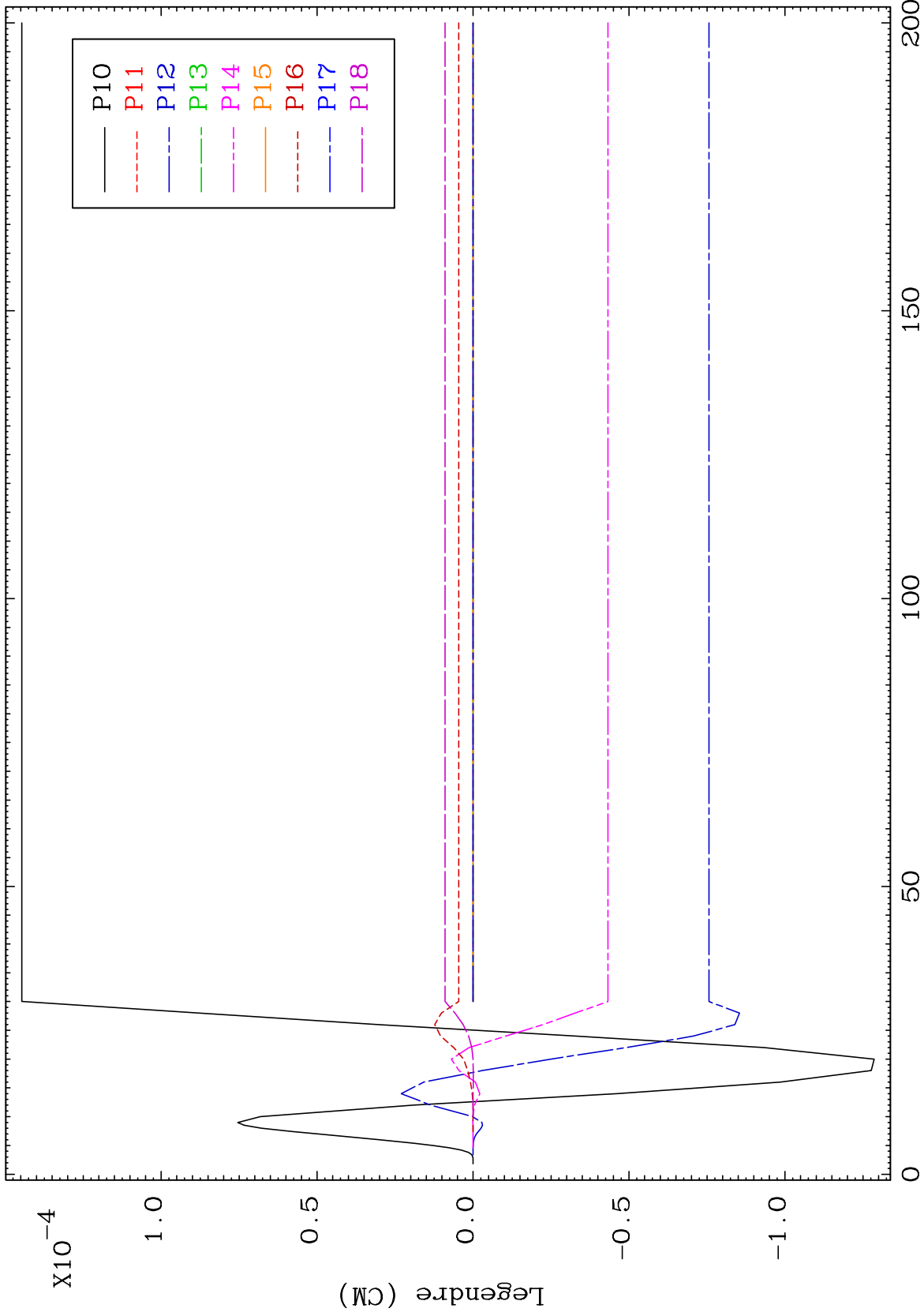
Incident Energy (MeV)

88

MAT 8310

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

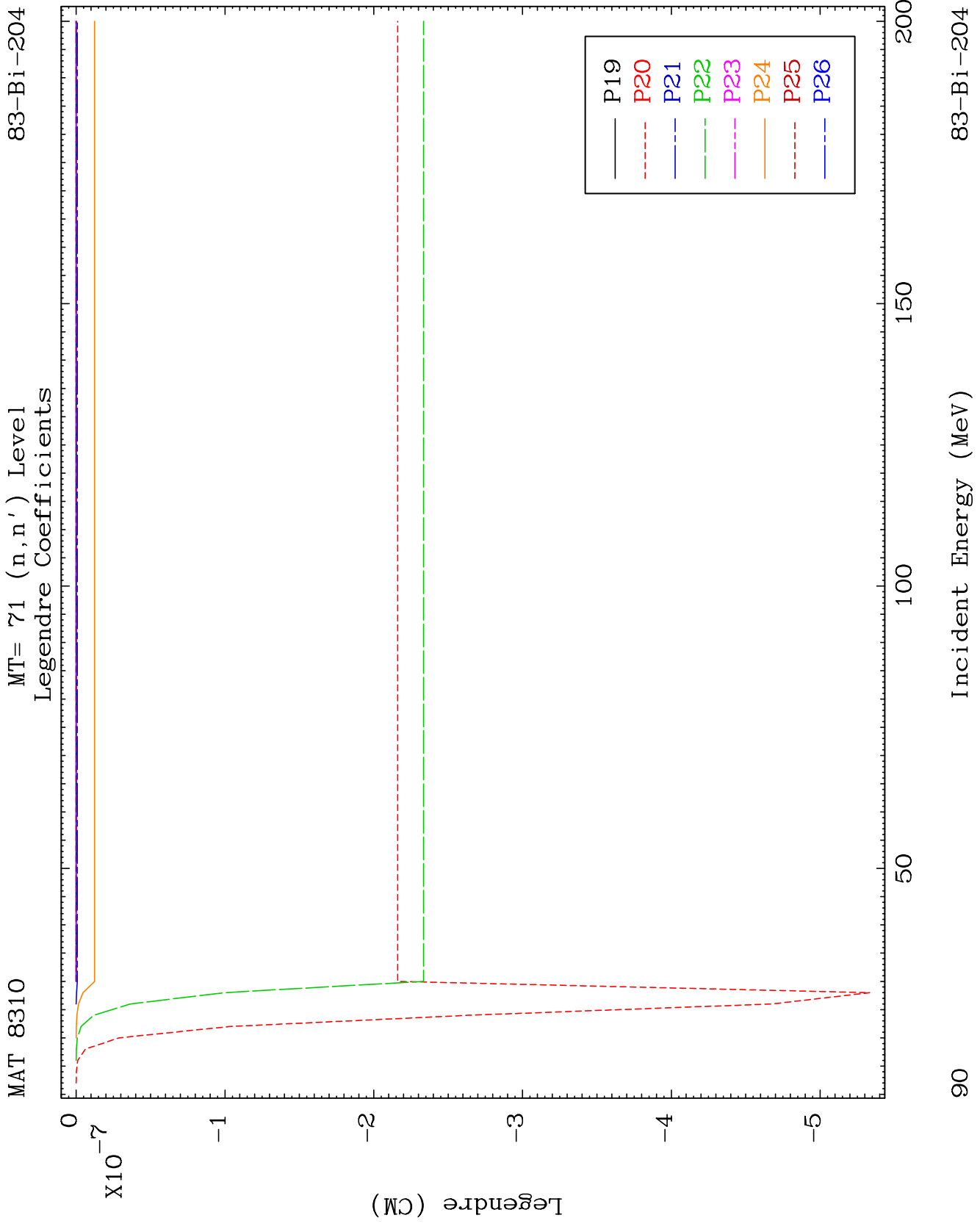
83-Bi-204



89

Incident Energy (MeV)

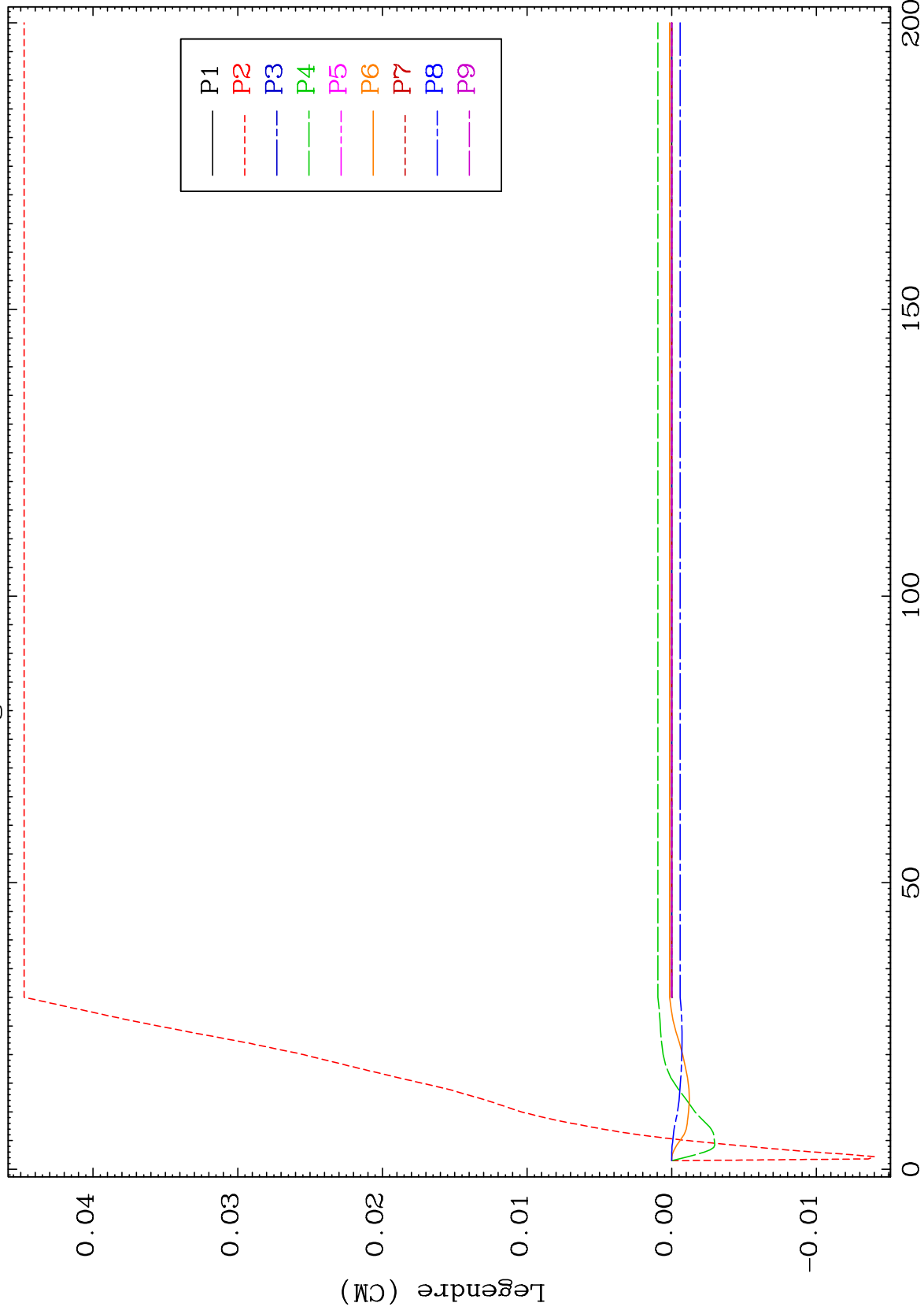
83-Bi-204



MAT 8310

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

83-Bi-204



91

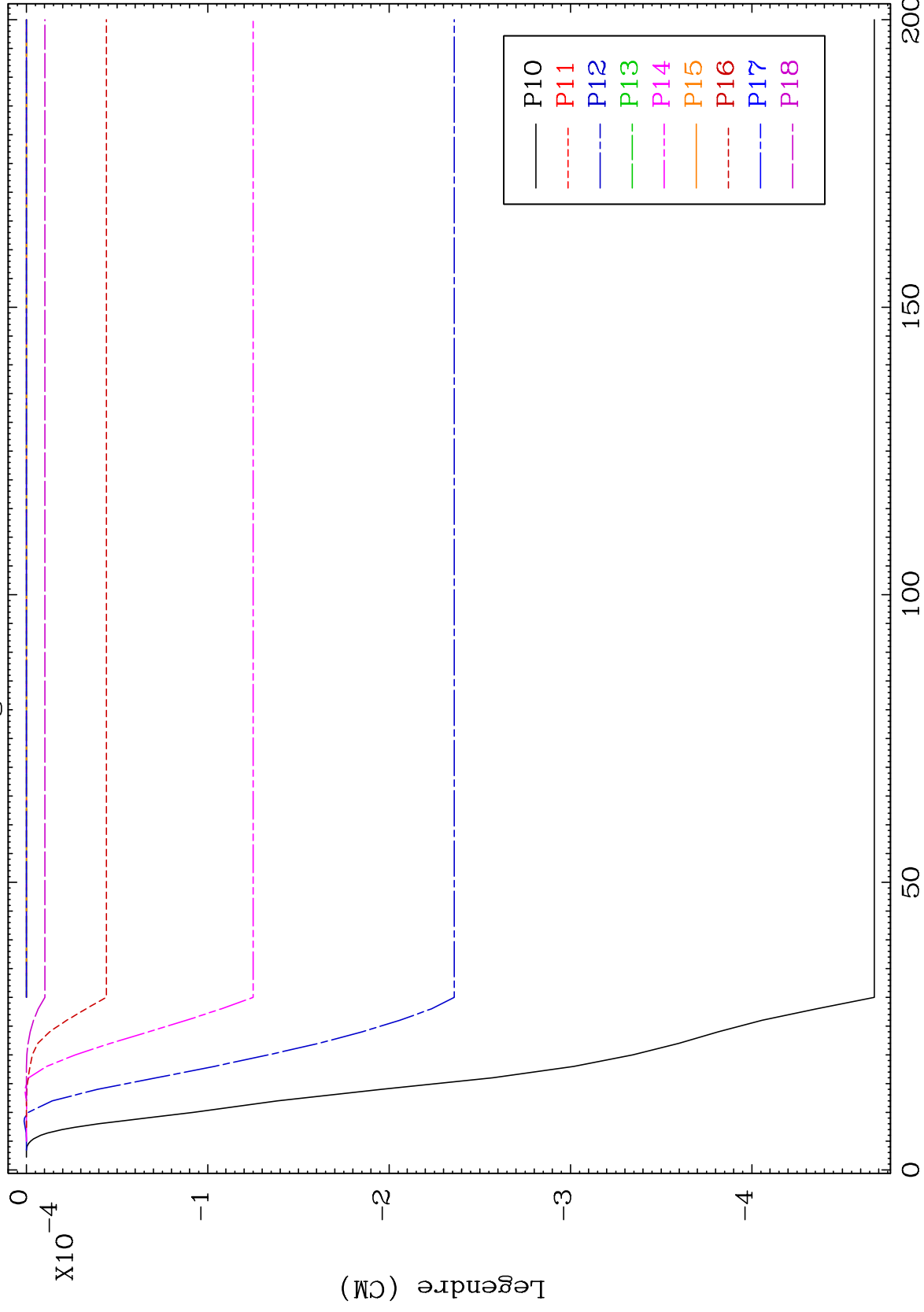
Incident Energy (MeV)

83-Bi-204

MAT 8310

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

83-Bi-204



92

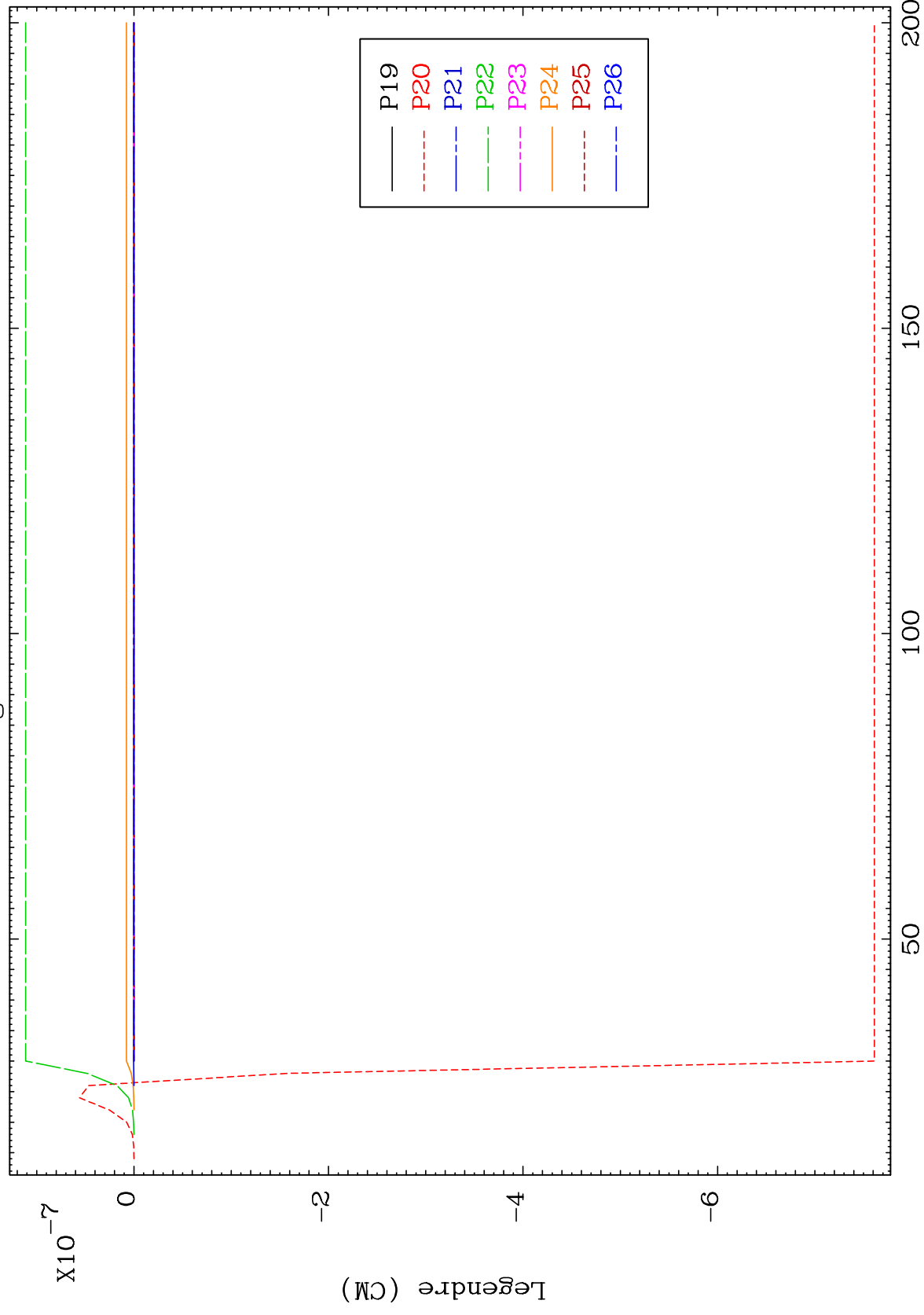
Incident Energy (MeV)

83-Bi-204

MAT 8310

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

83-Bi-204



93

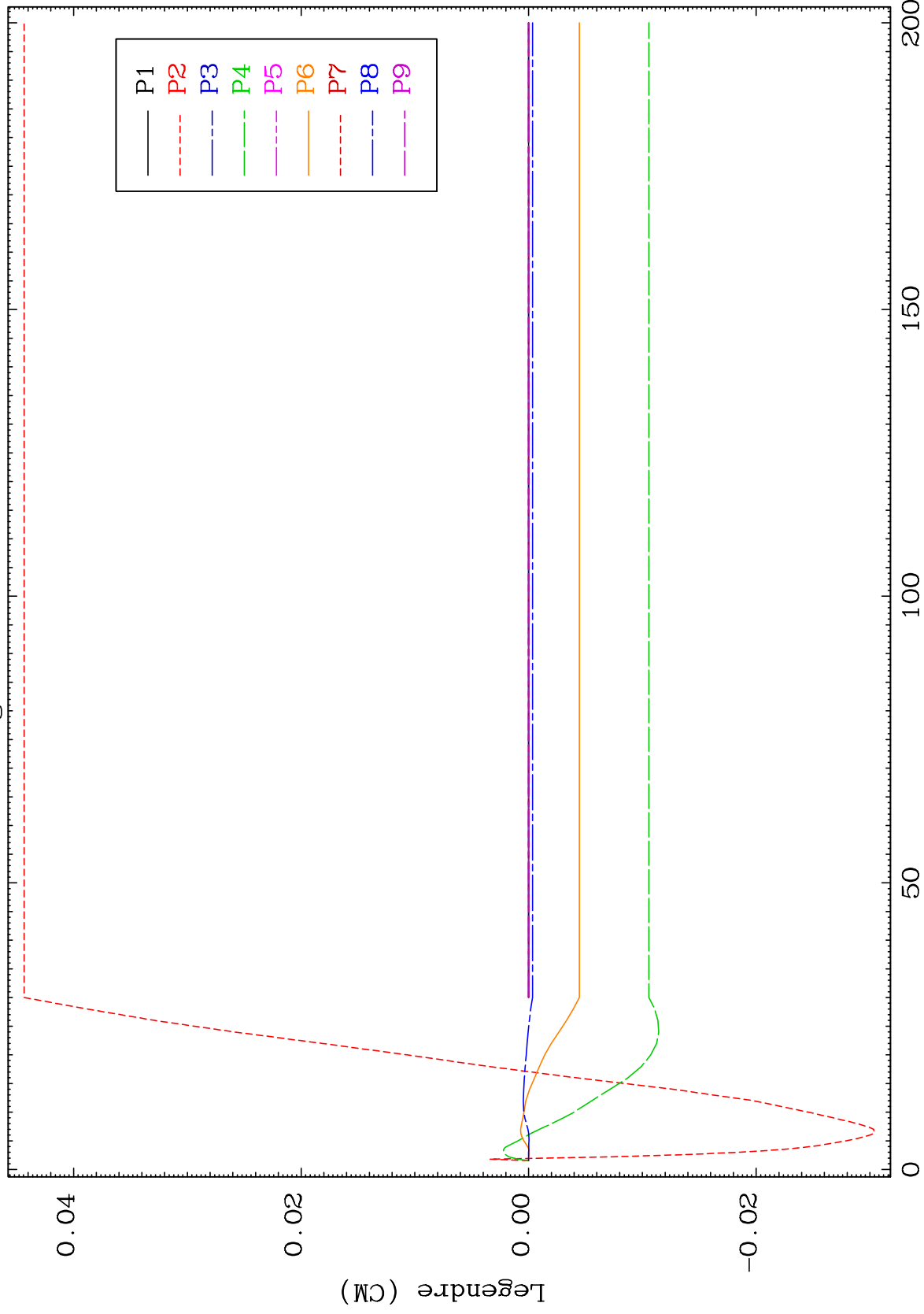
Incident Energy (MeV)

83-Bi-204

MAT 8310

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

83-Bi-204



94

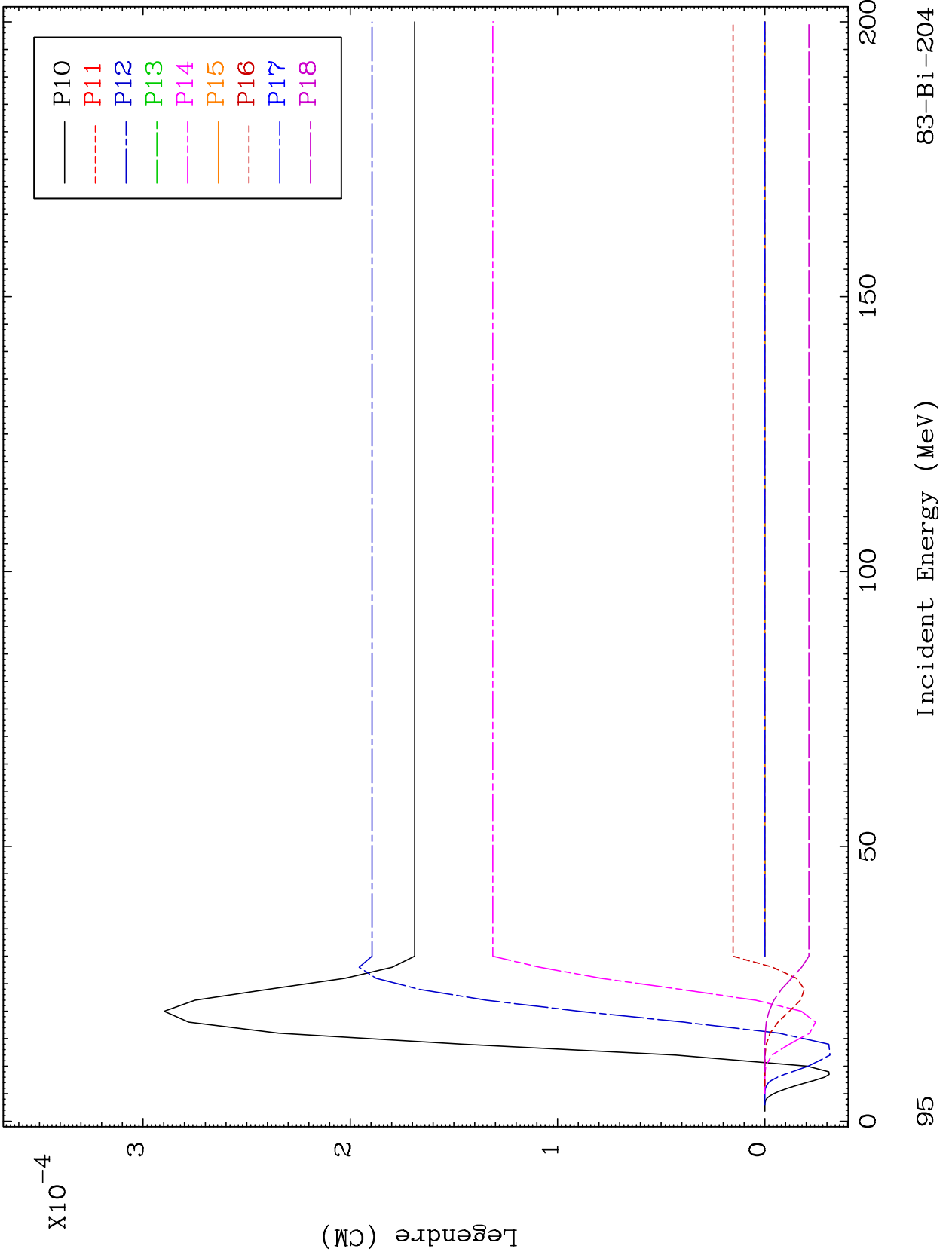
Incident Energy (MeV)

83-Bi-204

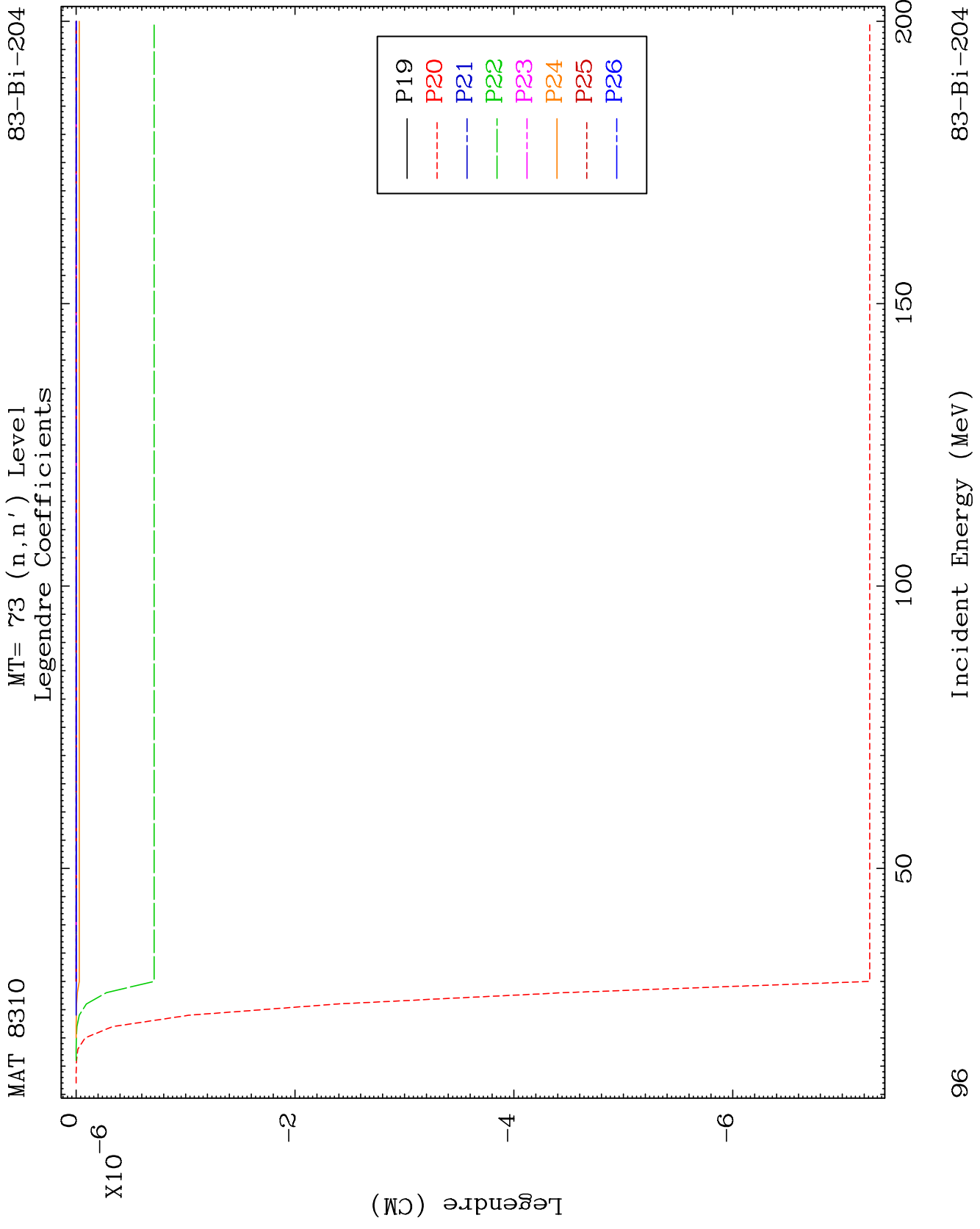
MAT 8310

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

83-Bi-204



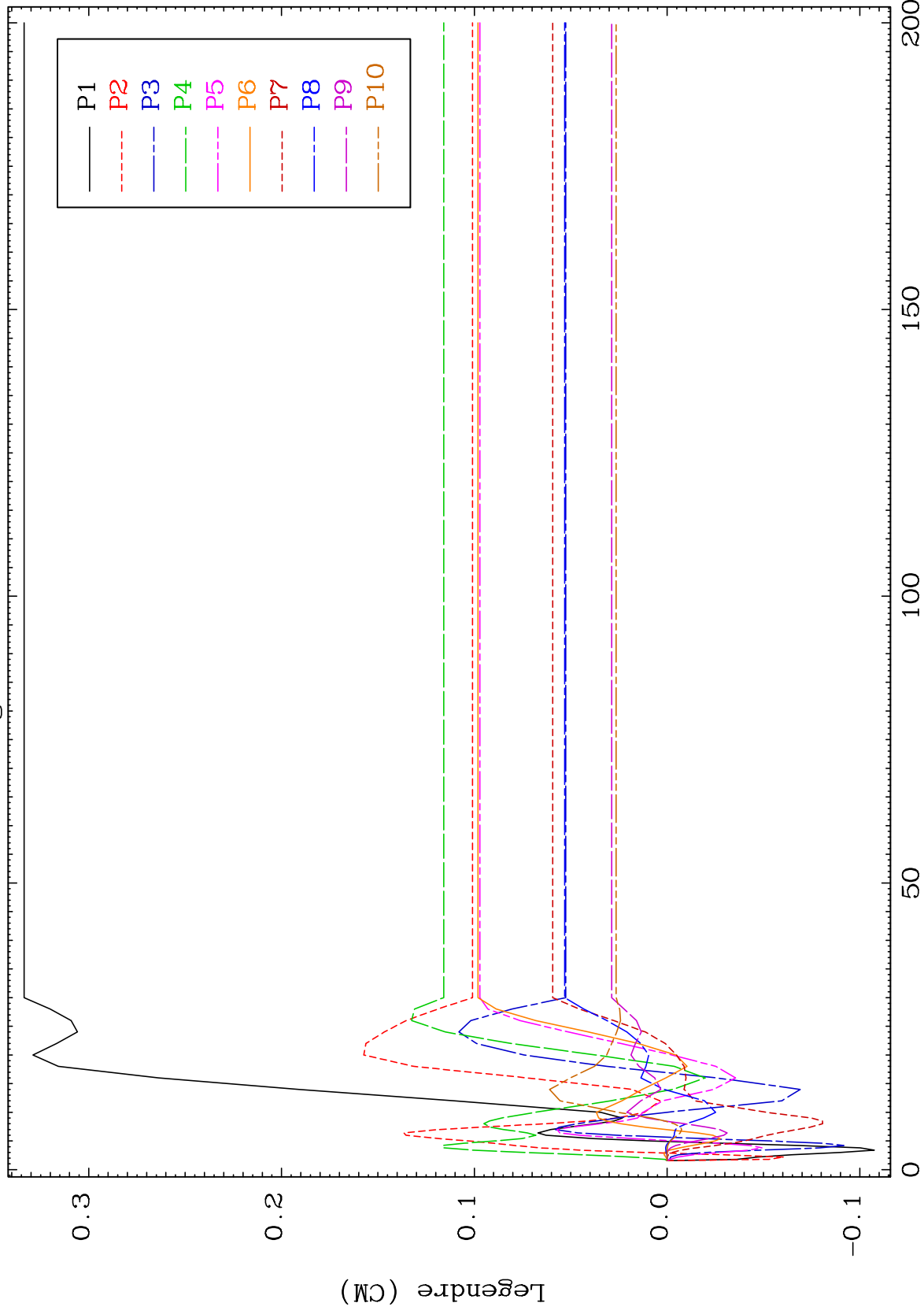




MAT 8310

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

83-Bi-204



97

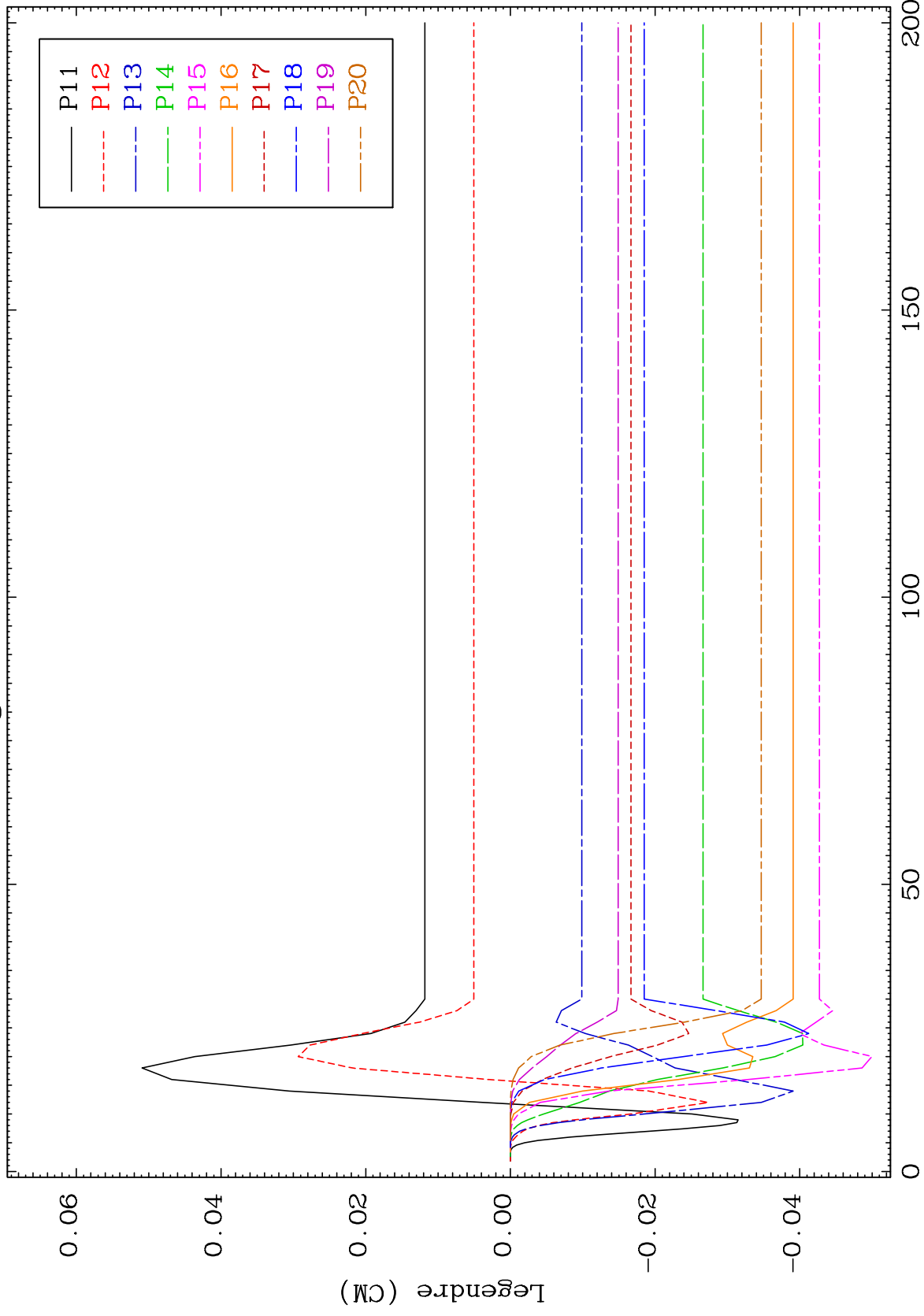
Incident Energy (MeV)

83-Bi-204

MAT 8310

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

83-Bi-204



98

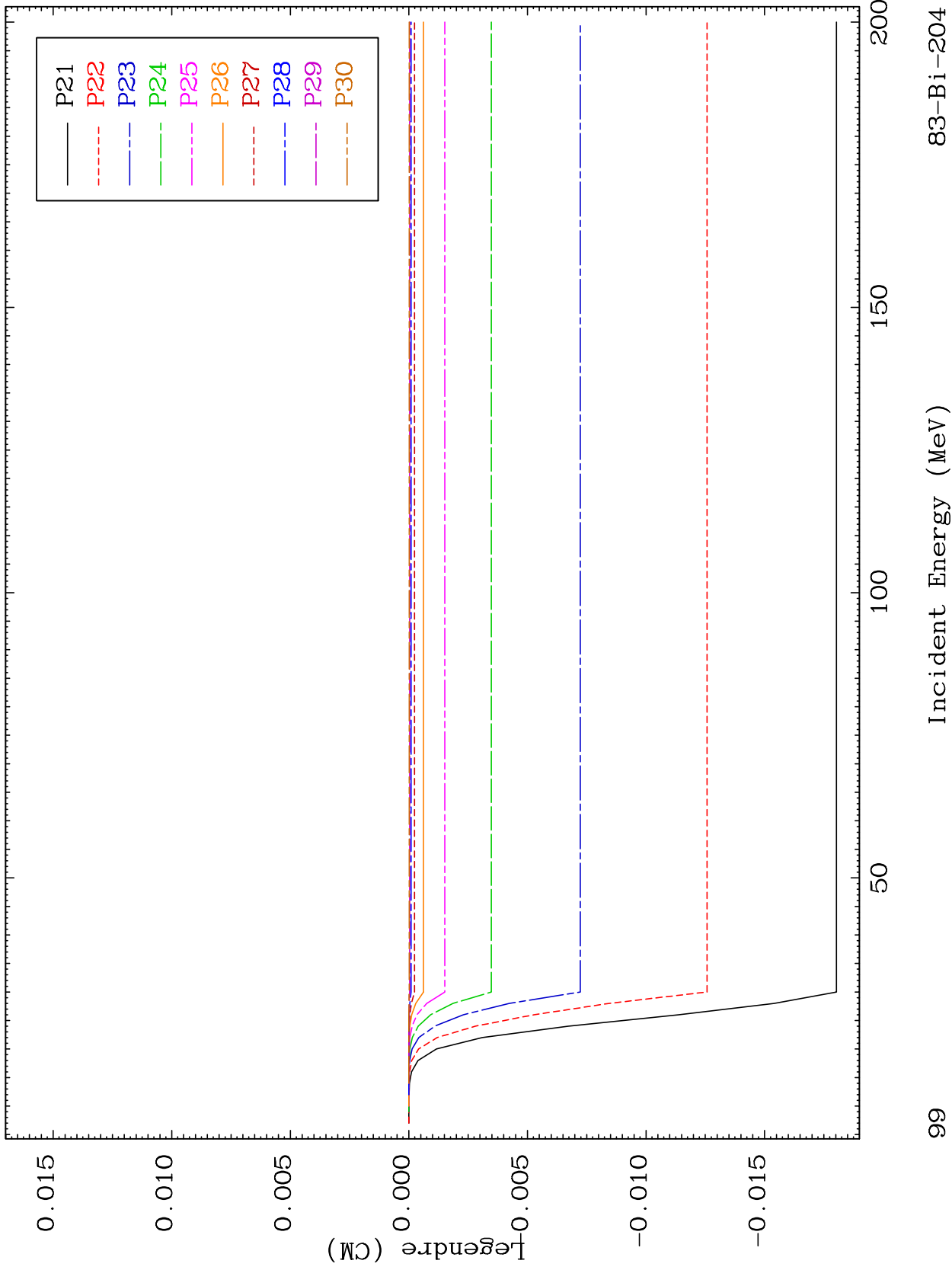
Incident Energy (MeV)

83-Bi-204

MAT 8310

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

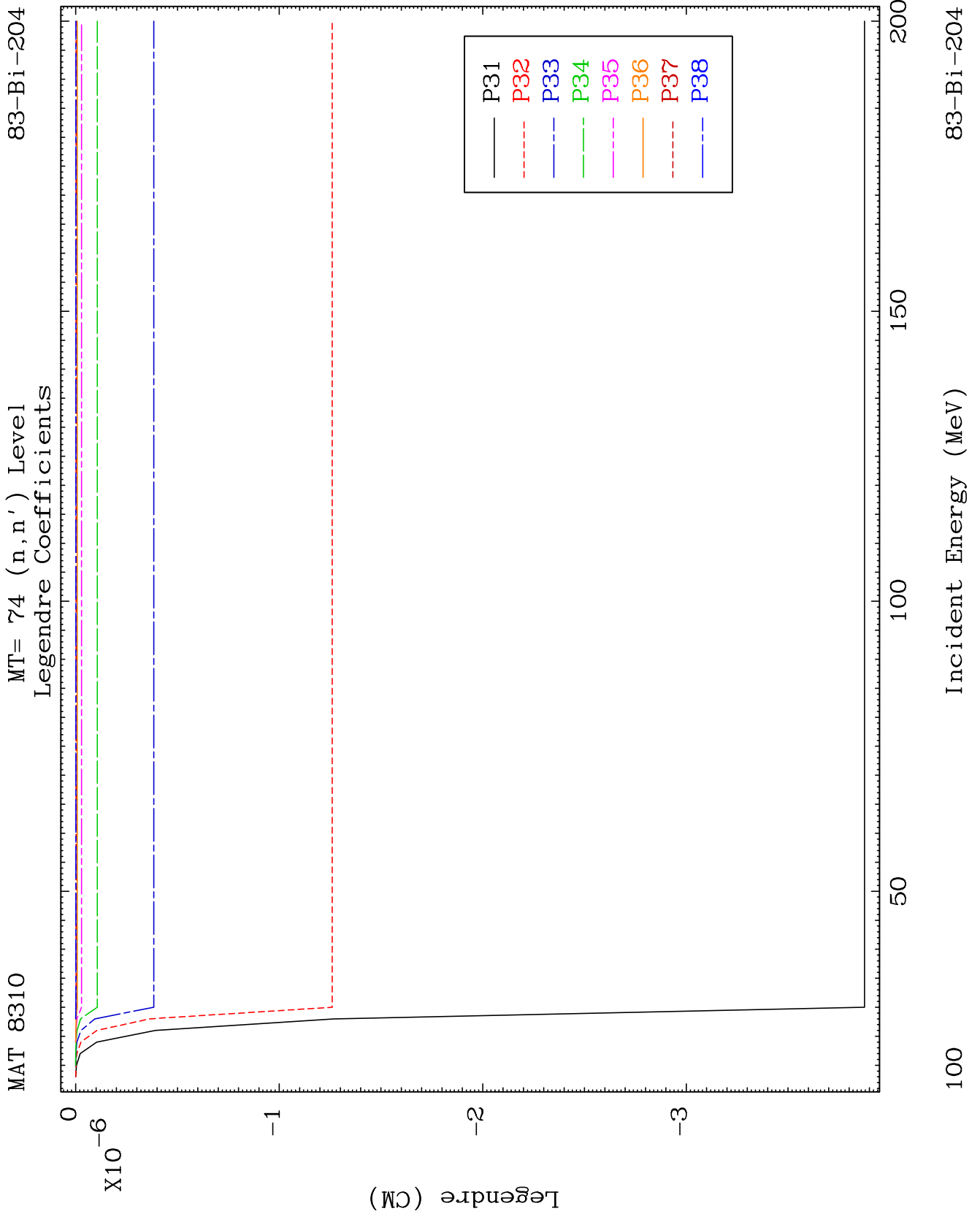
83-Bi-204



99

Incident Energy (MeV)

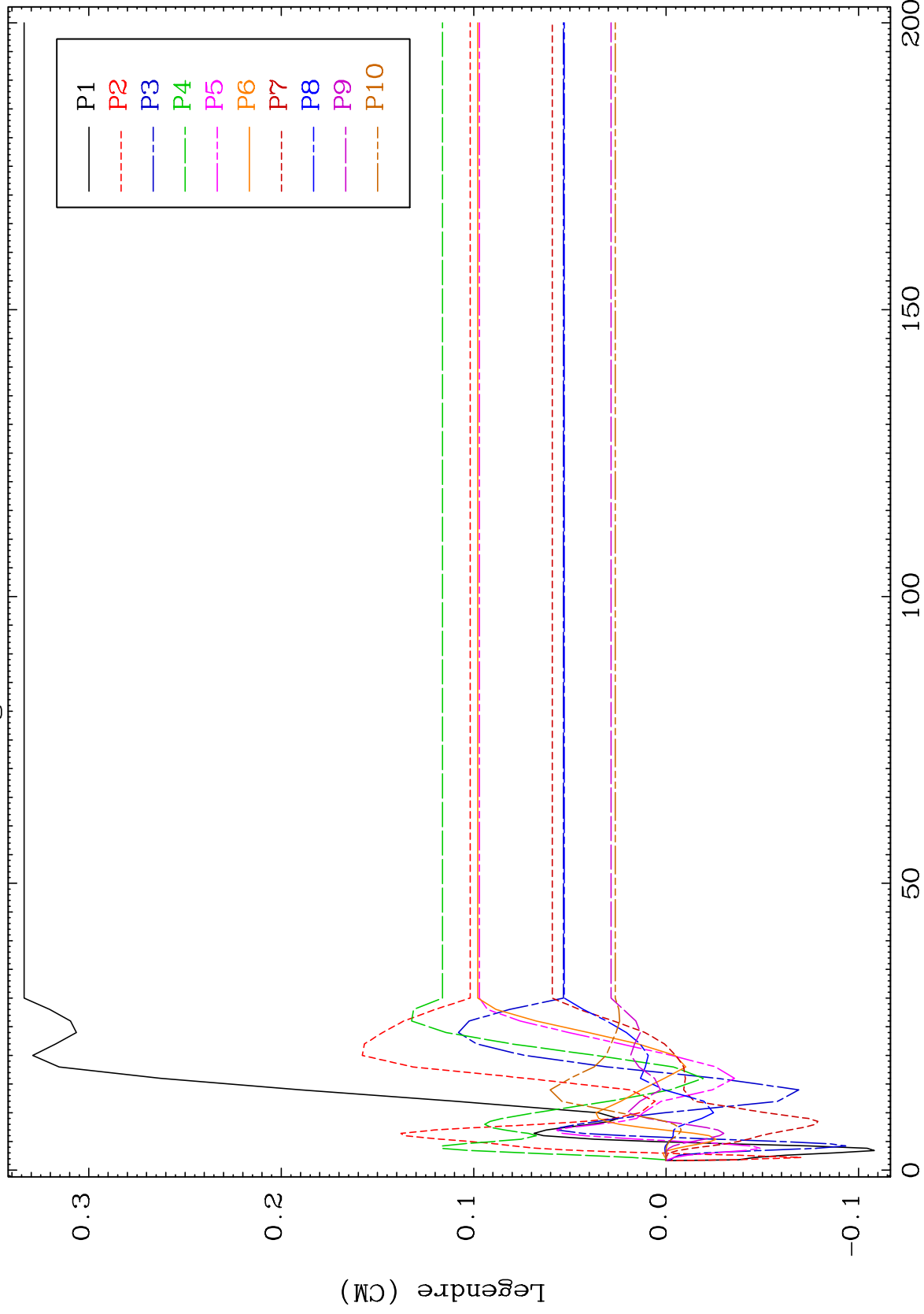
83-Bi-204



MAT 8310

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

83-Bi-204



83-Bi-204

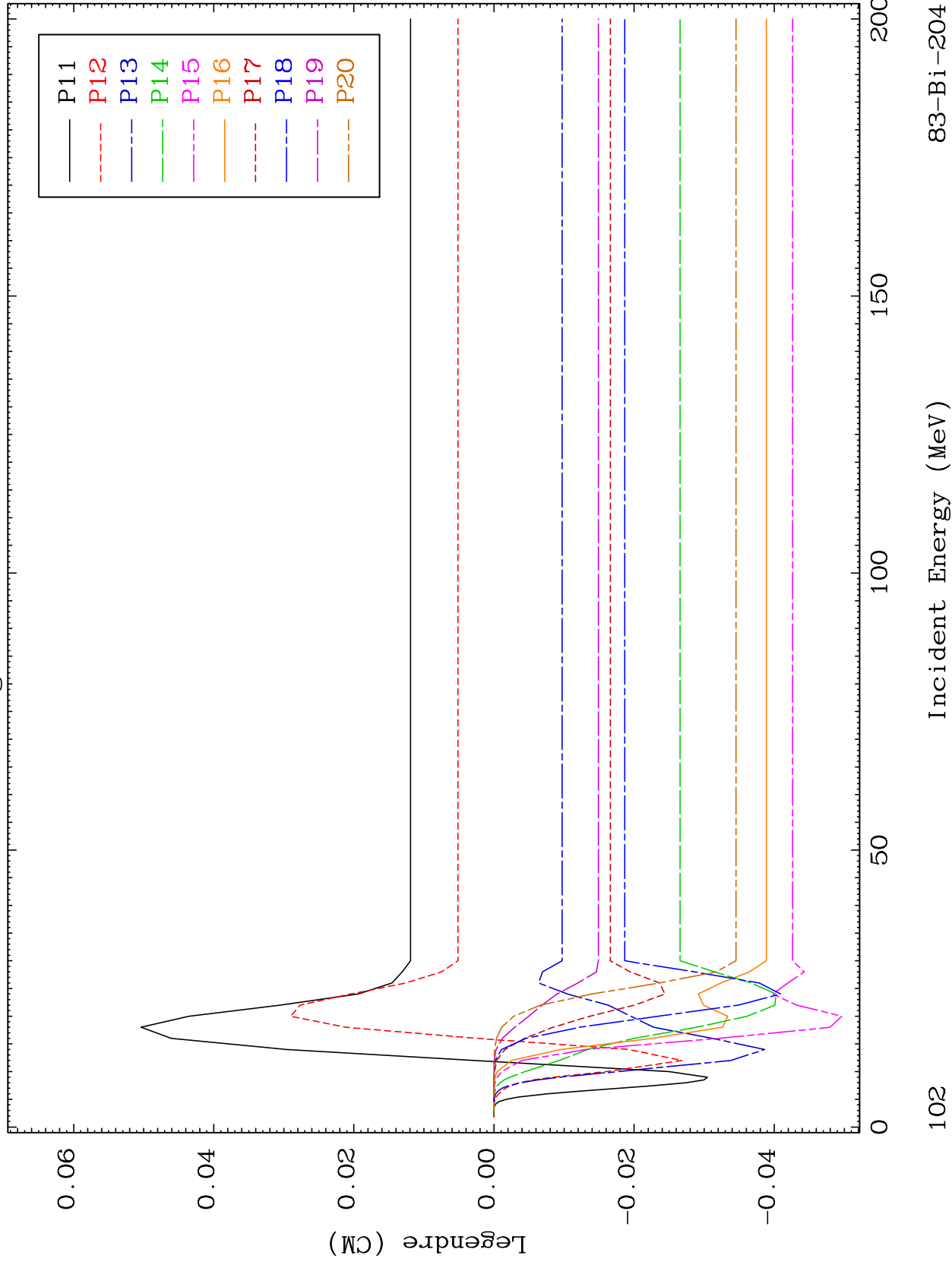
Incident Energy (MeV)

101

MAT 8310

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

83-Bi-204



102

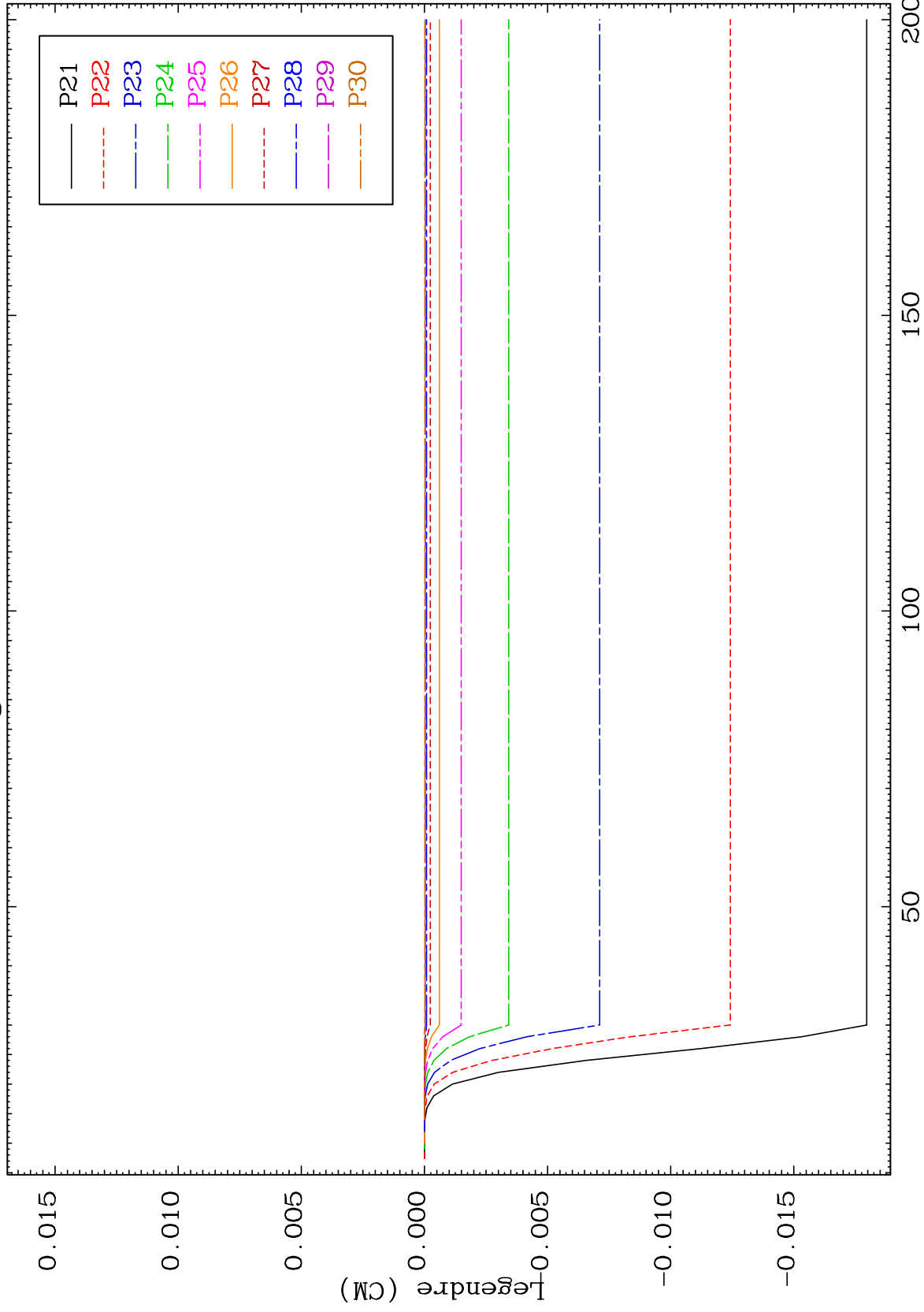
Incident Energy (MeV)

83-Bi-204

MAT 8310

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

83-Bi-204



103

Incident Energy (MeV)

83-Bi-204



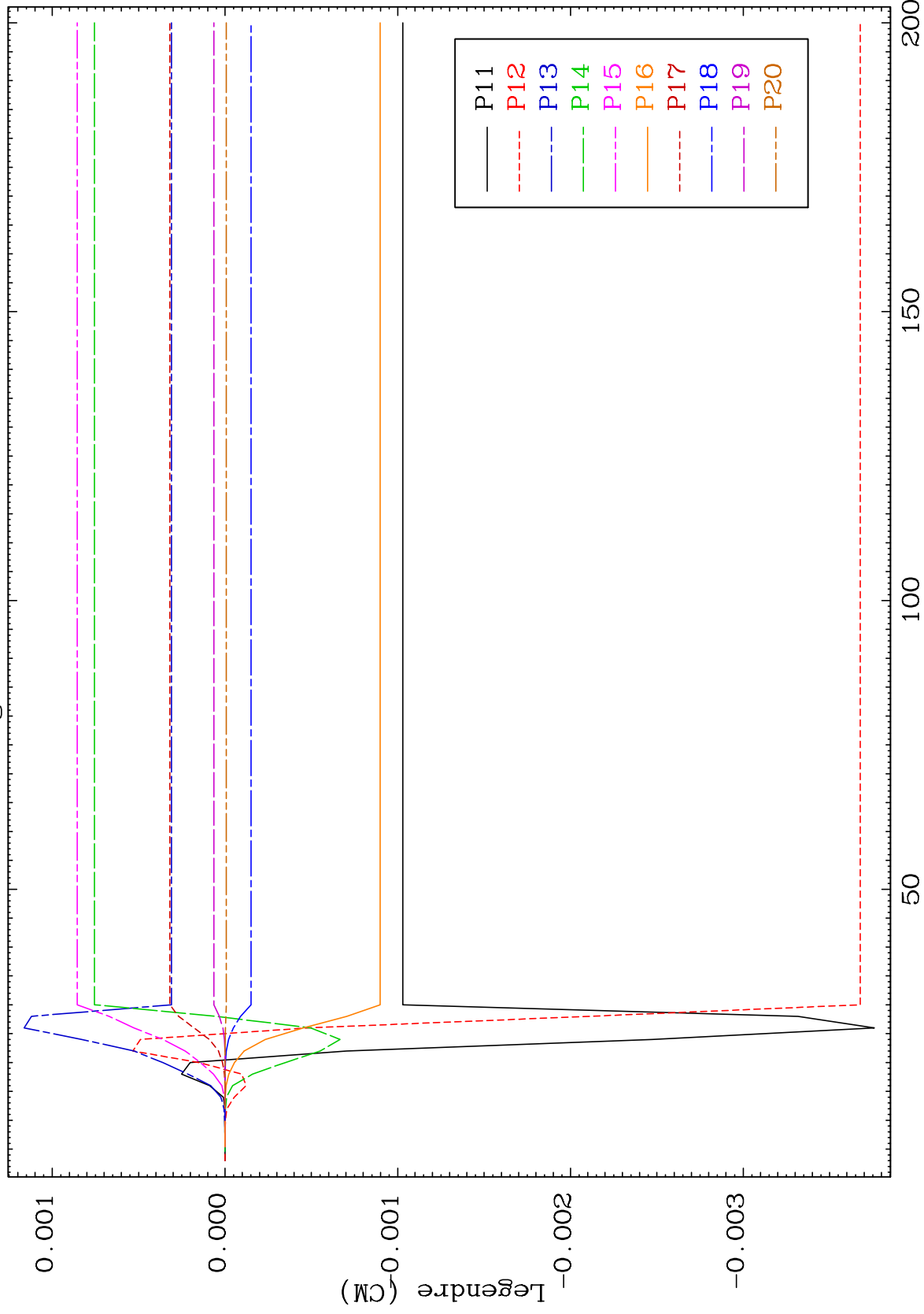




MAT 8310

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

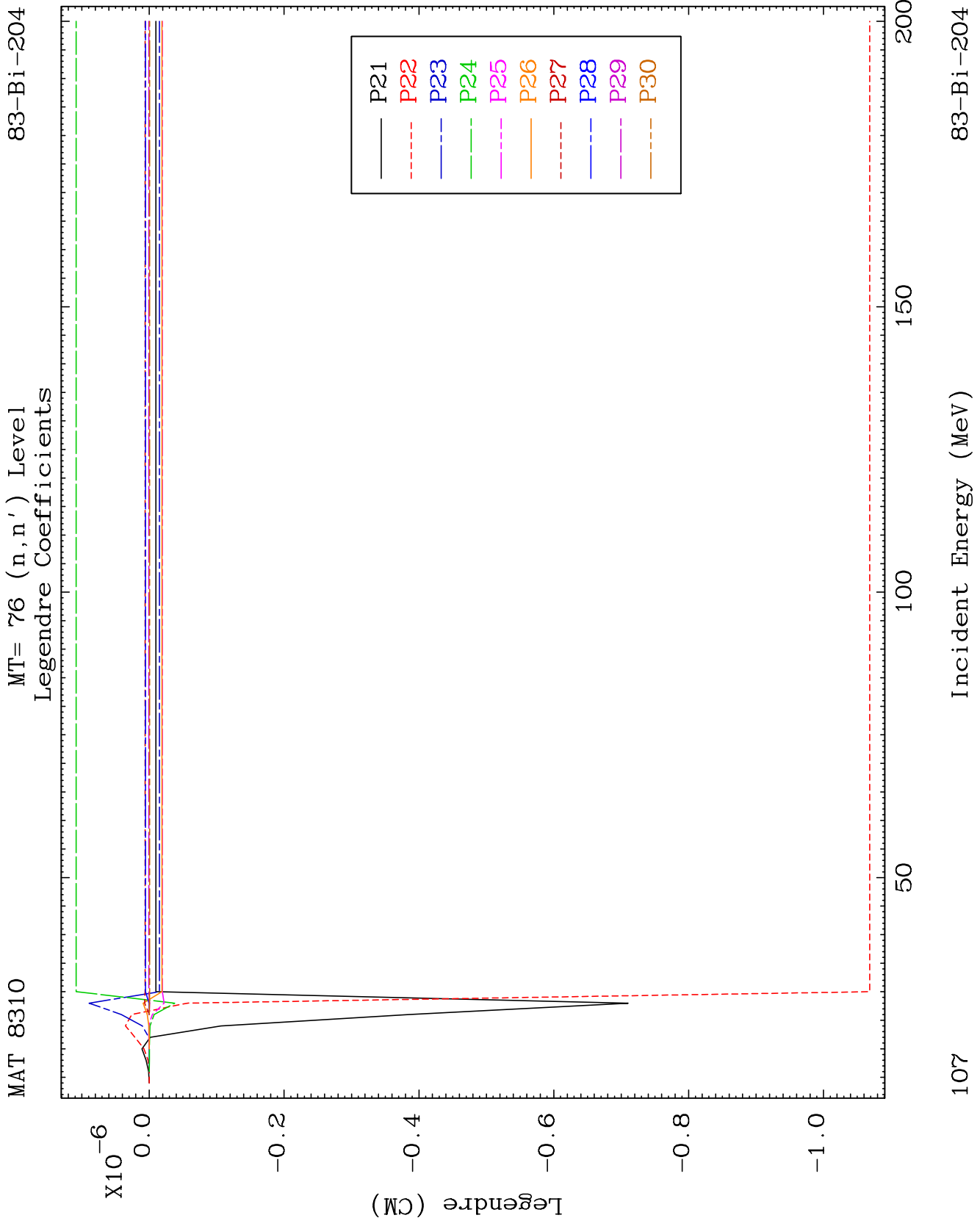
83-Bi-204



106

Incident Energy (MeV)

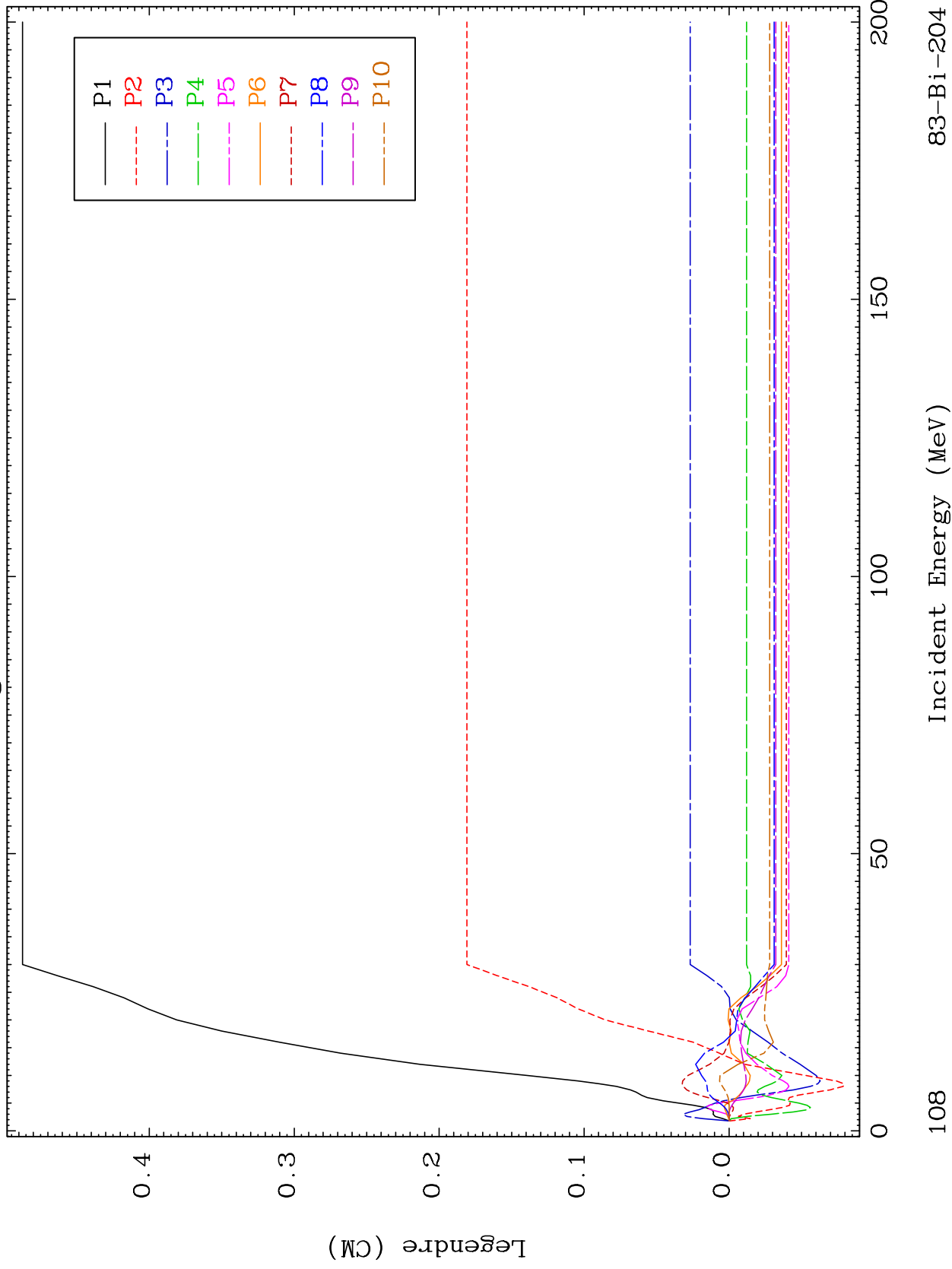
83-Bi-204



MAT 8310

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

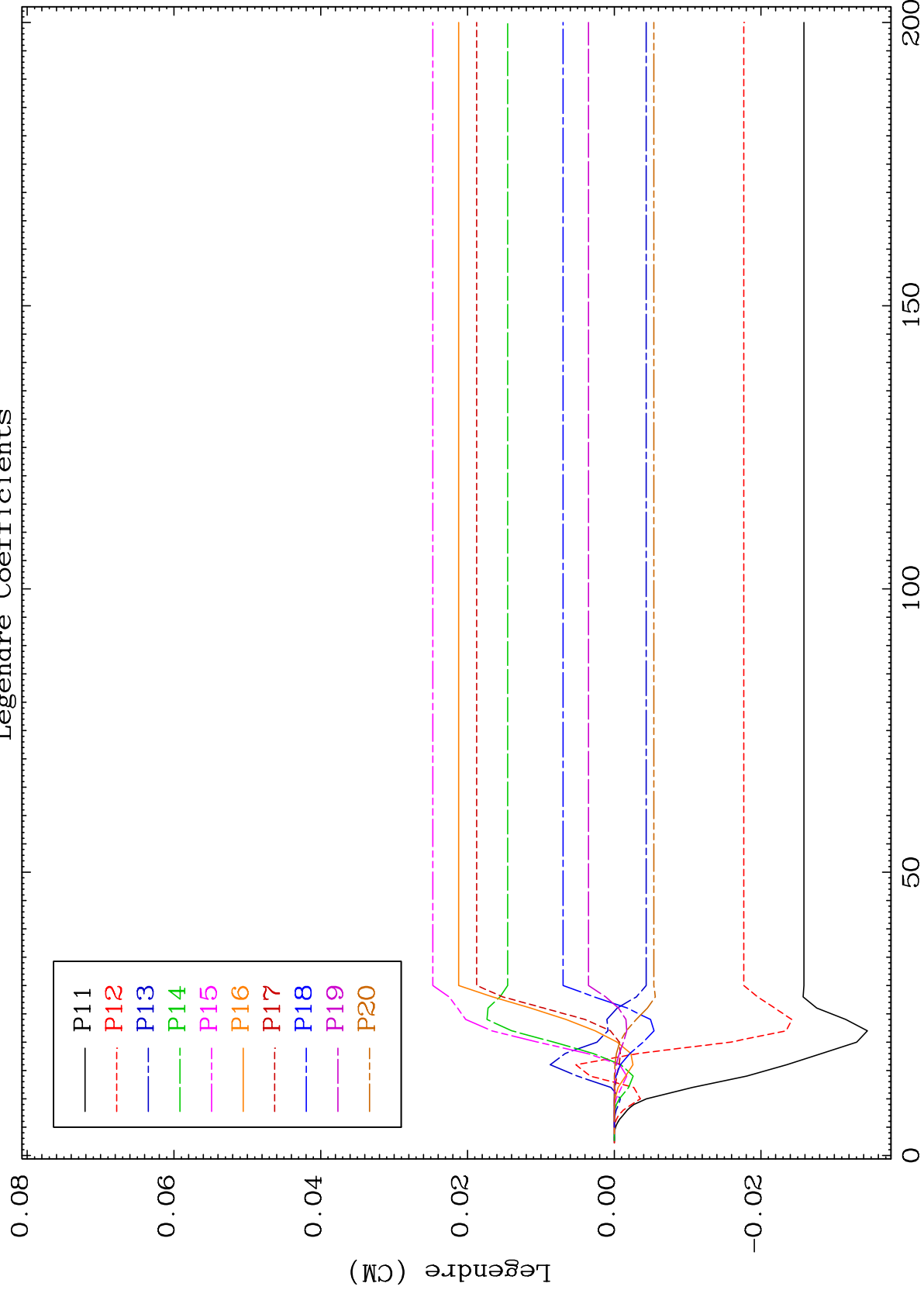
83-Bi-204



MAT 8310

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

83-Bi-204



109

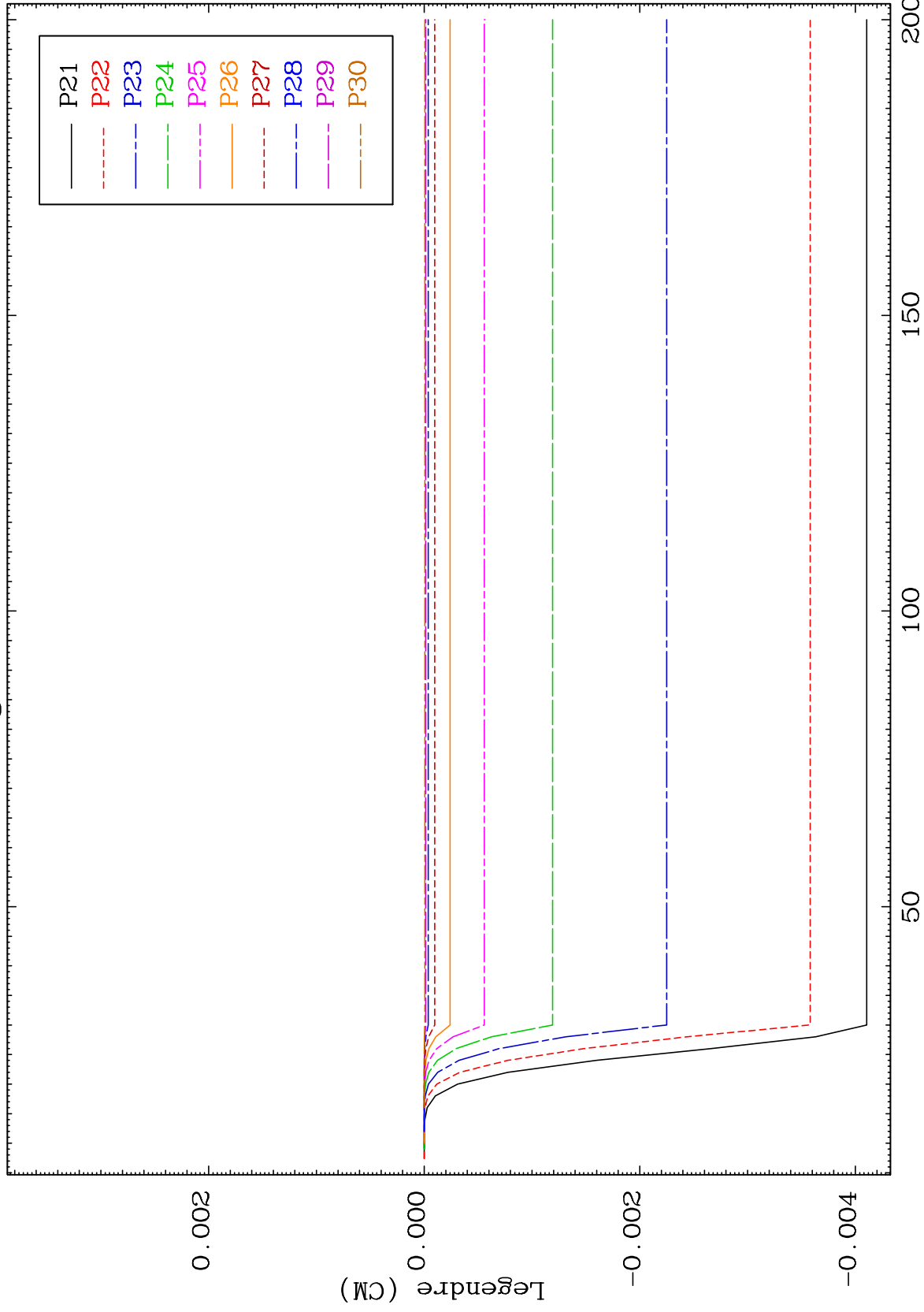
Incident Energy (MeV)

83-Bi-204

MAT 8310

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

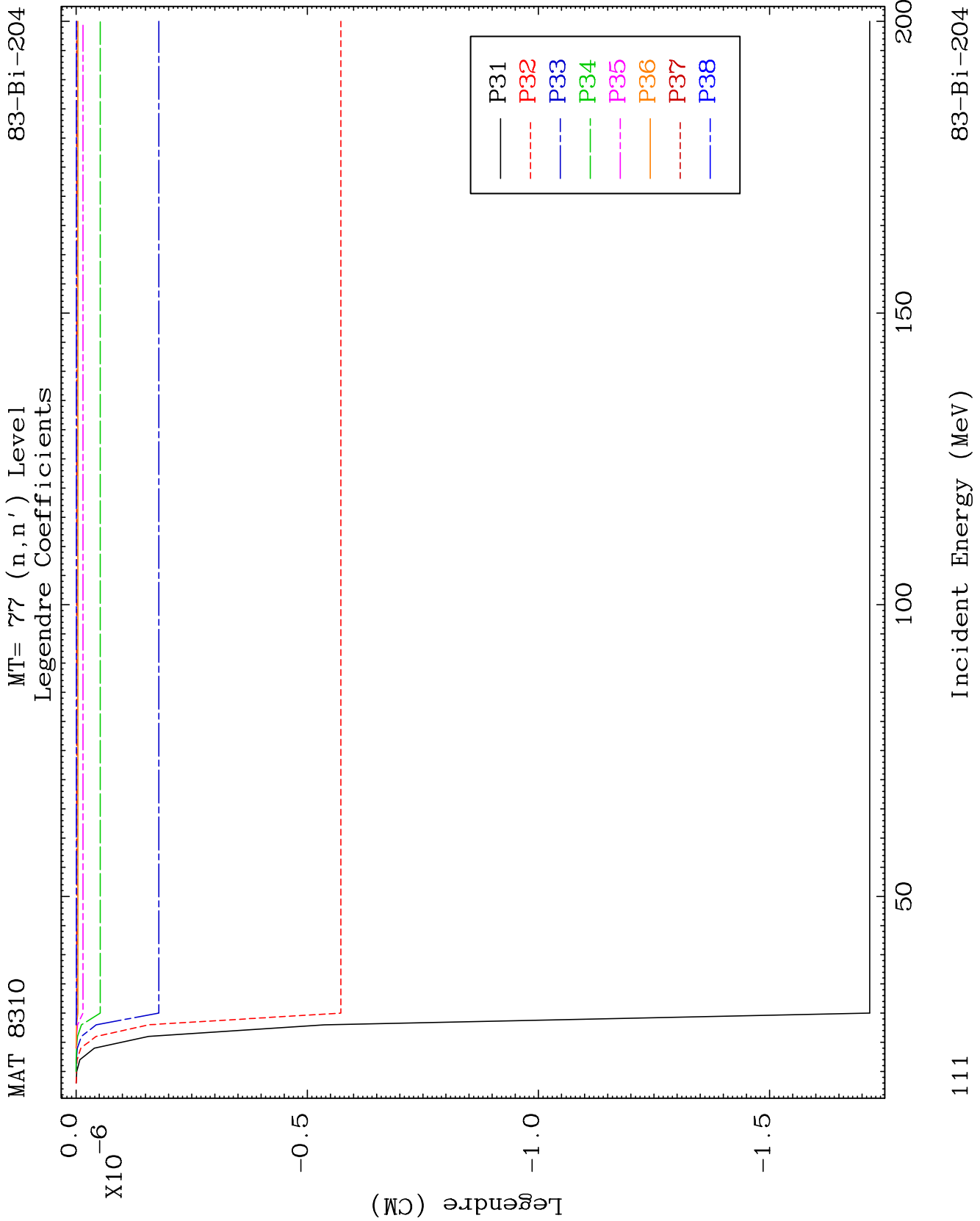
83-Bi-204



110

Incident Energy (MeV)

83-Bi-204



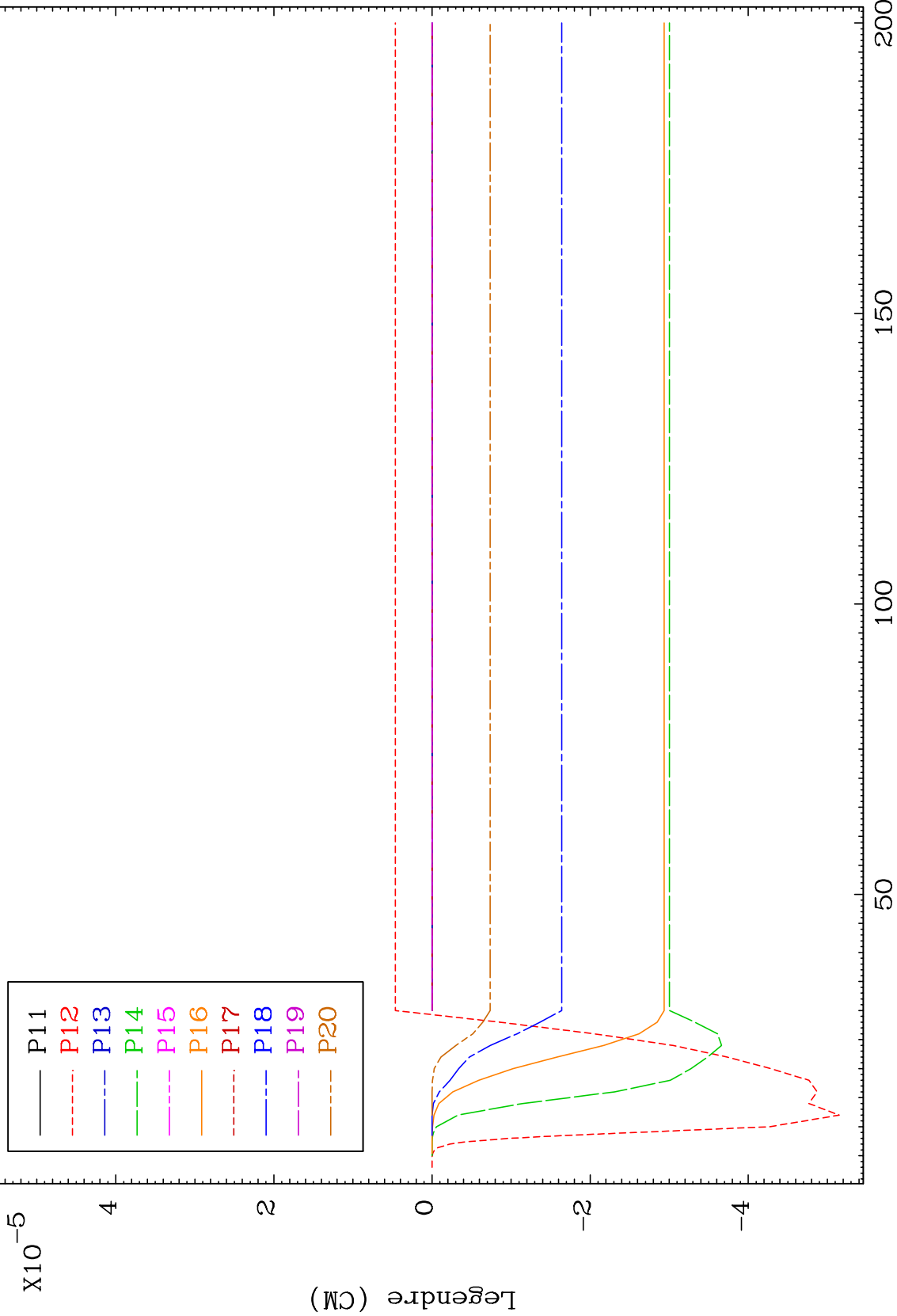
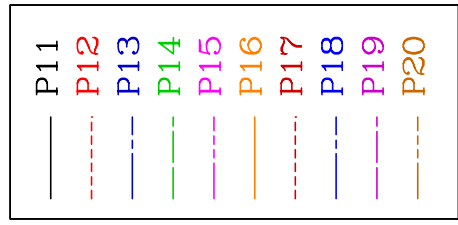




MAT 8310

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

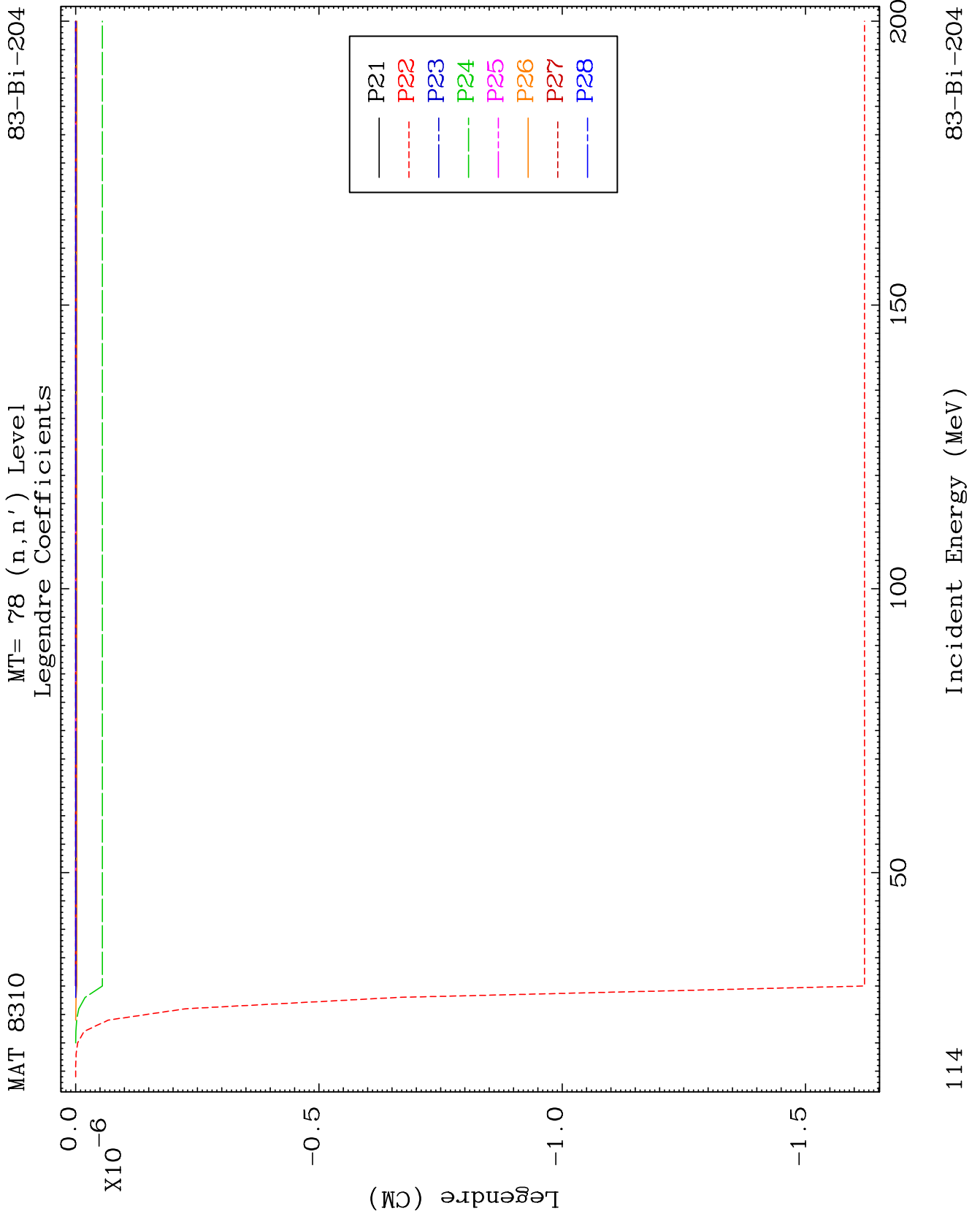
83-Bi-204



113

Incident Energy (MeV)

83-Bi-204

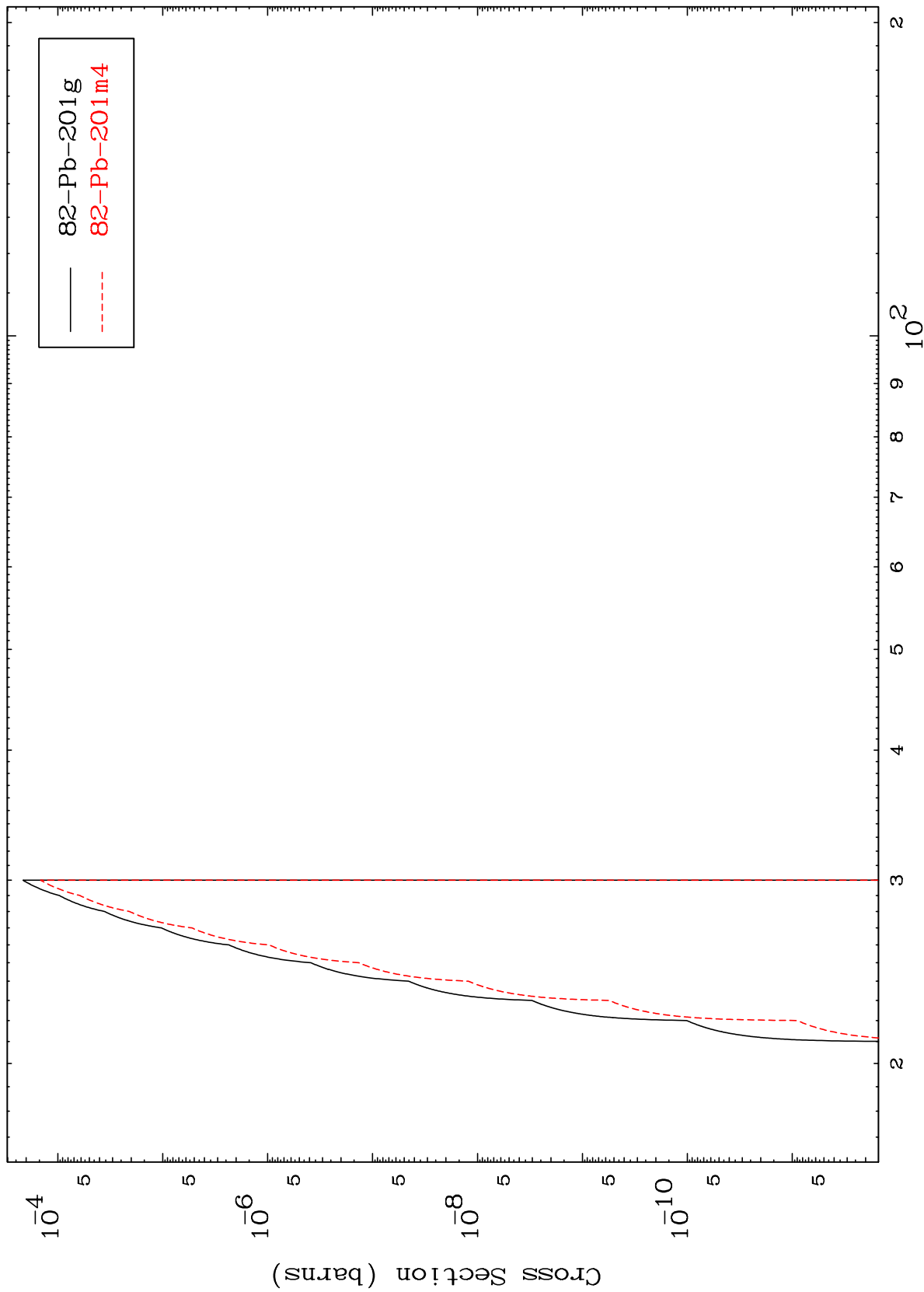


MAT 8310

(n,2n) d

83-Bi-204

Radionuclide Production Cross Section



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

115

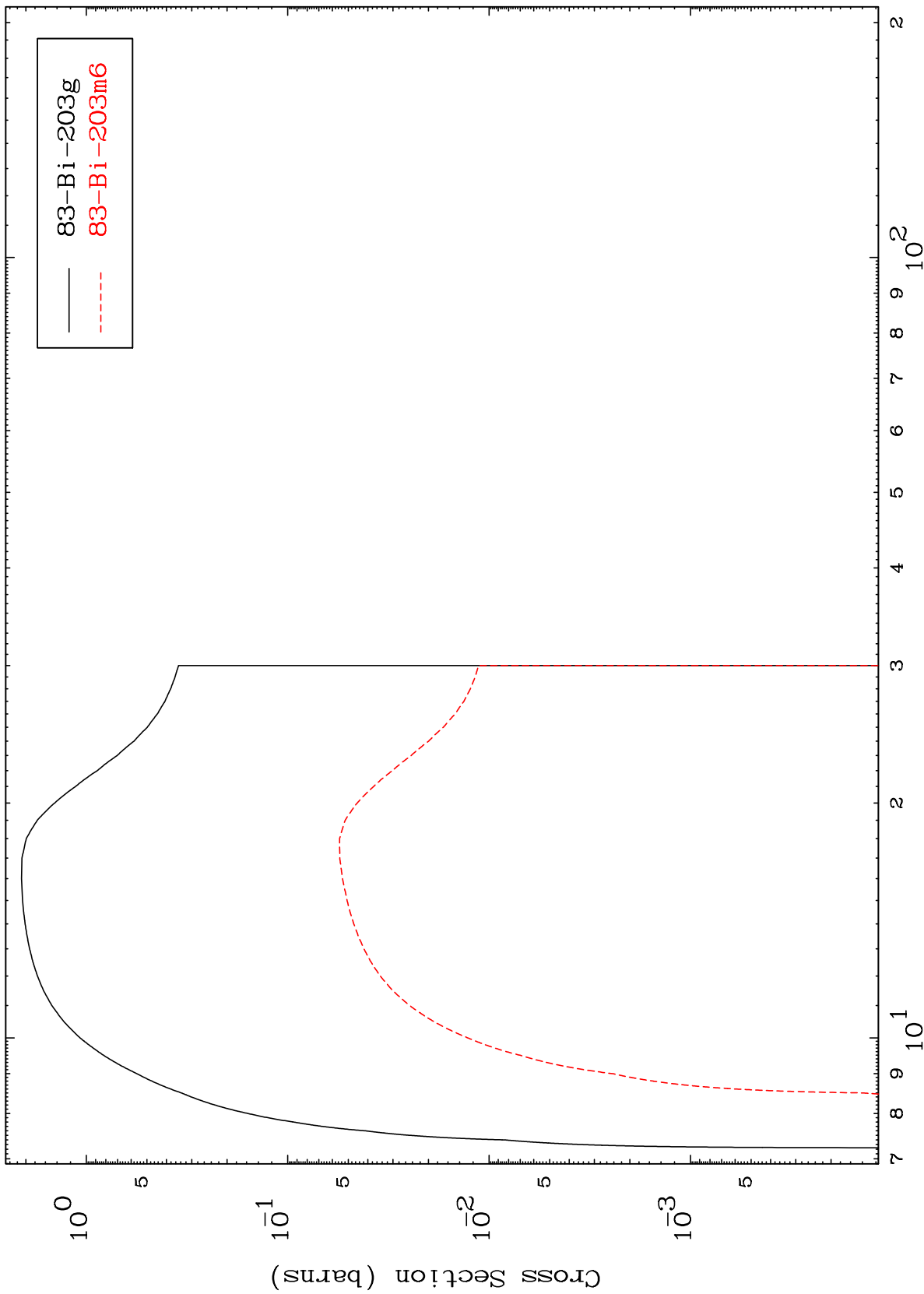
Incident Energy (MeV)

83-Bi-204

MAT 8310

83-Bi-204

(n,2n)  
Radionuclide Production Cross Section



116

Incident Energy (MeV)

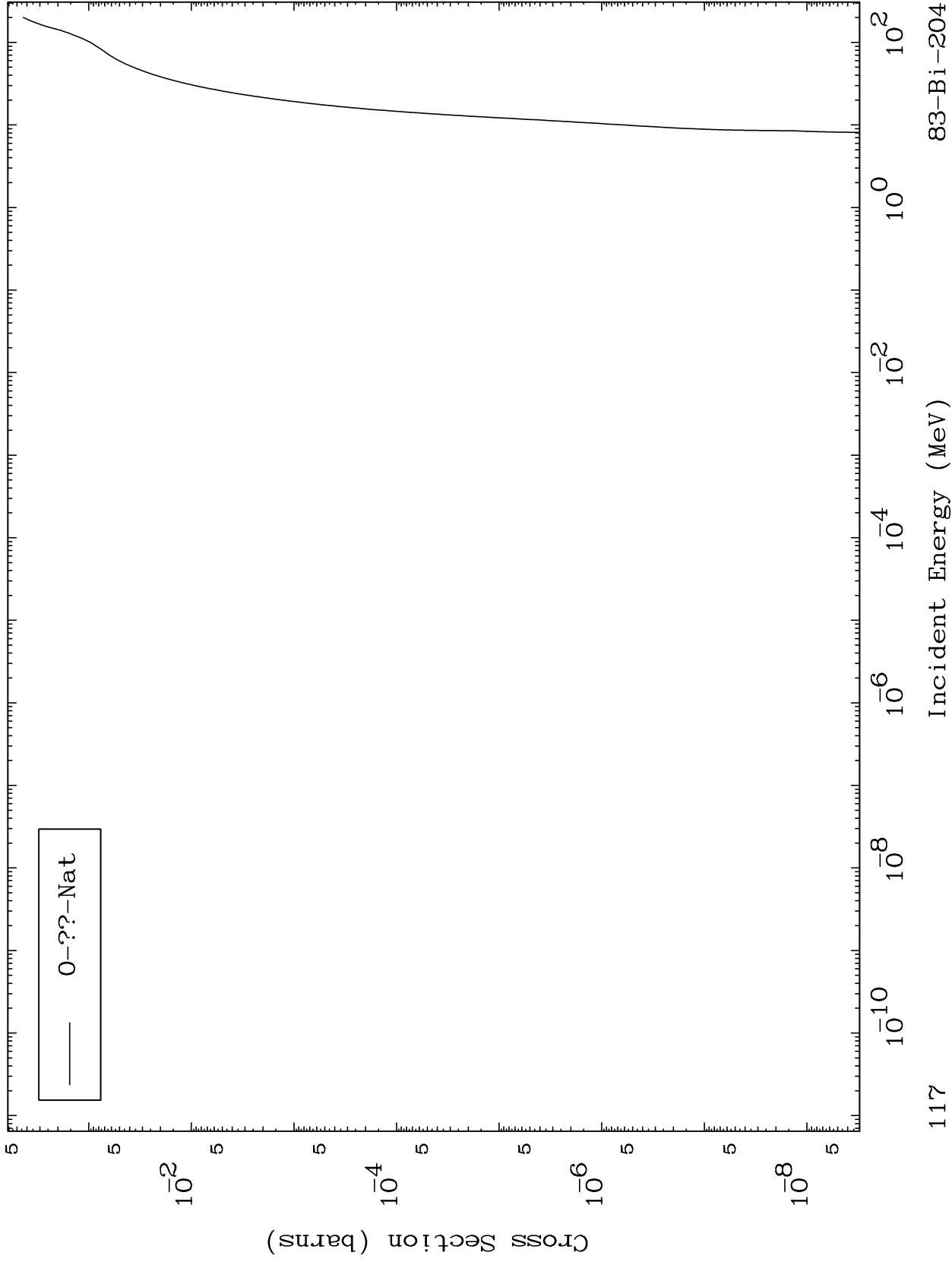
83-Bi-204

MAT 8310

Fission

83-Bi-204

Radionuclide Production Cross Section



117

Incident Energy (MeV)

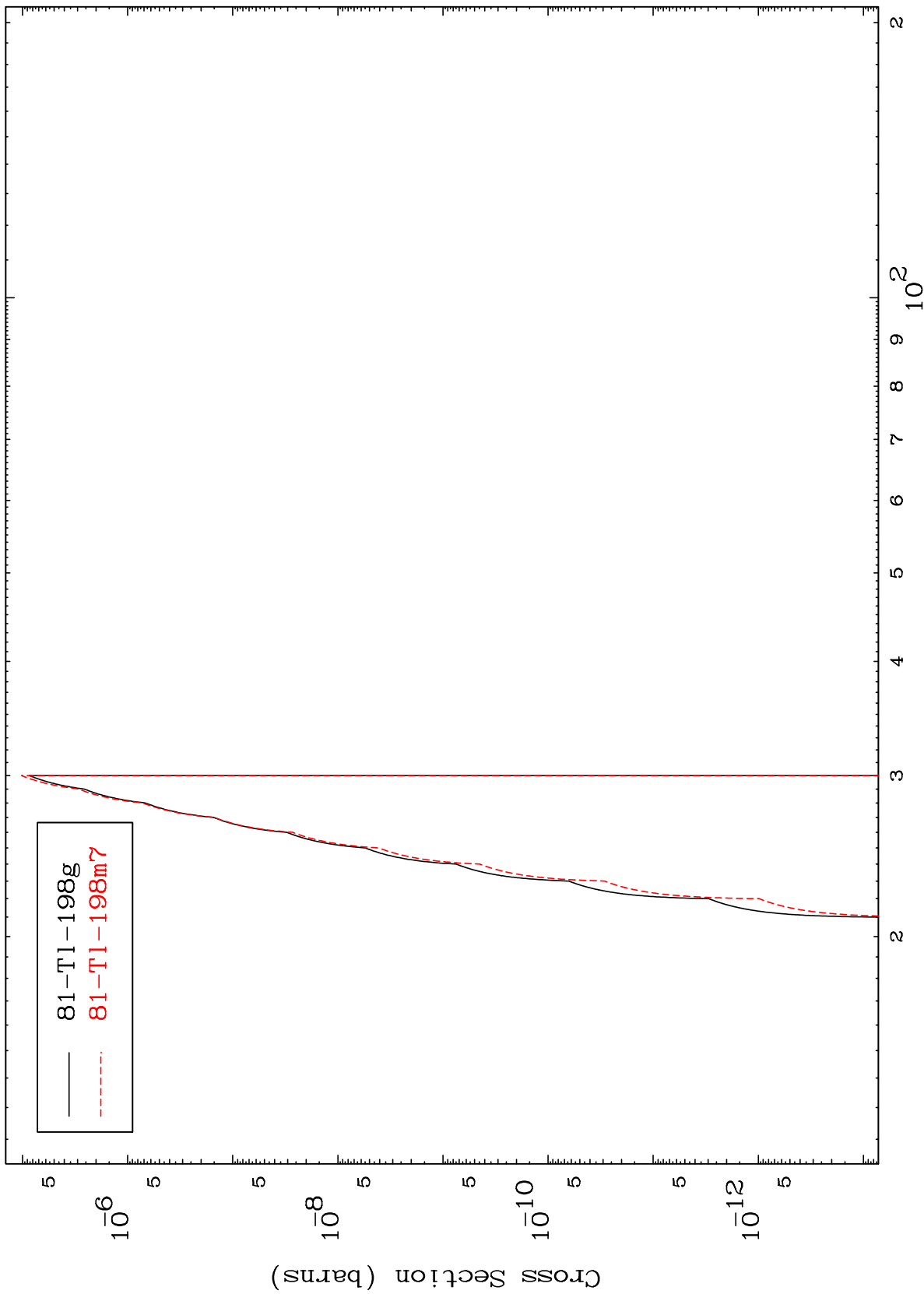
83-Bi-204

MAT 8310

(n,3n)  $\alpha$

83-Bi-204

Radionuclide Production Cross Section



118

Incident Energy (MeV)

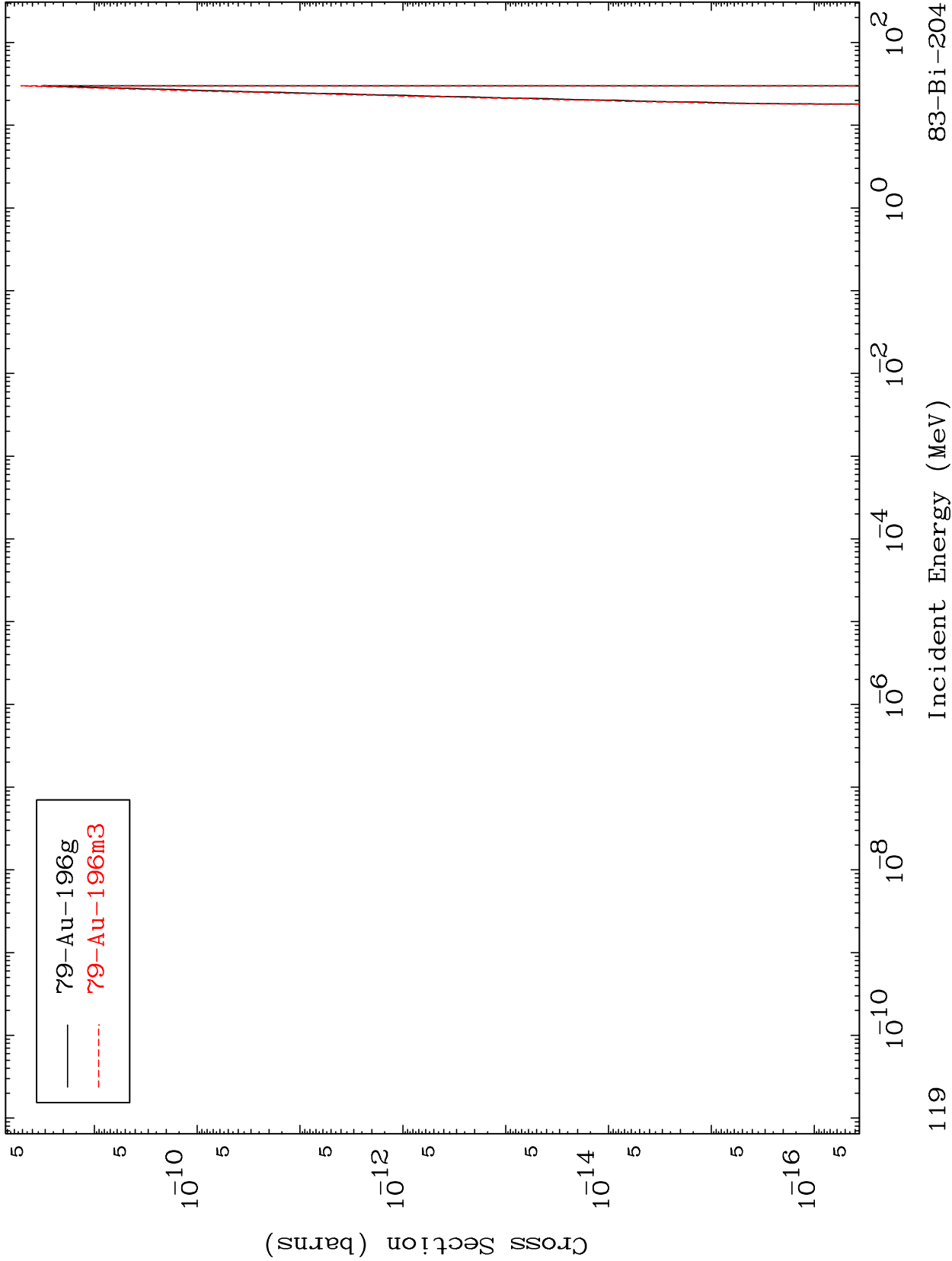
83-Bi-204

MAT 8310

(n,n') 2 $\alpha$

83-Bi-204

Radionuclide Production Cross Section



119

Incident Energy (MeV)

83-Bi-204

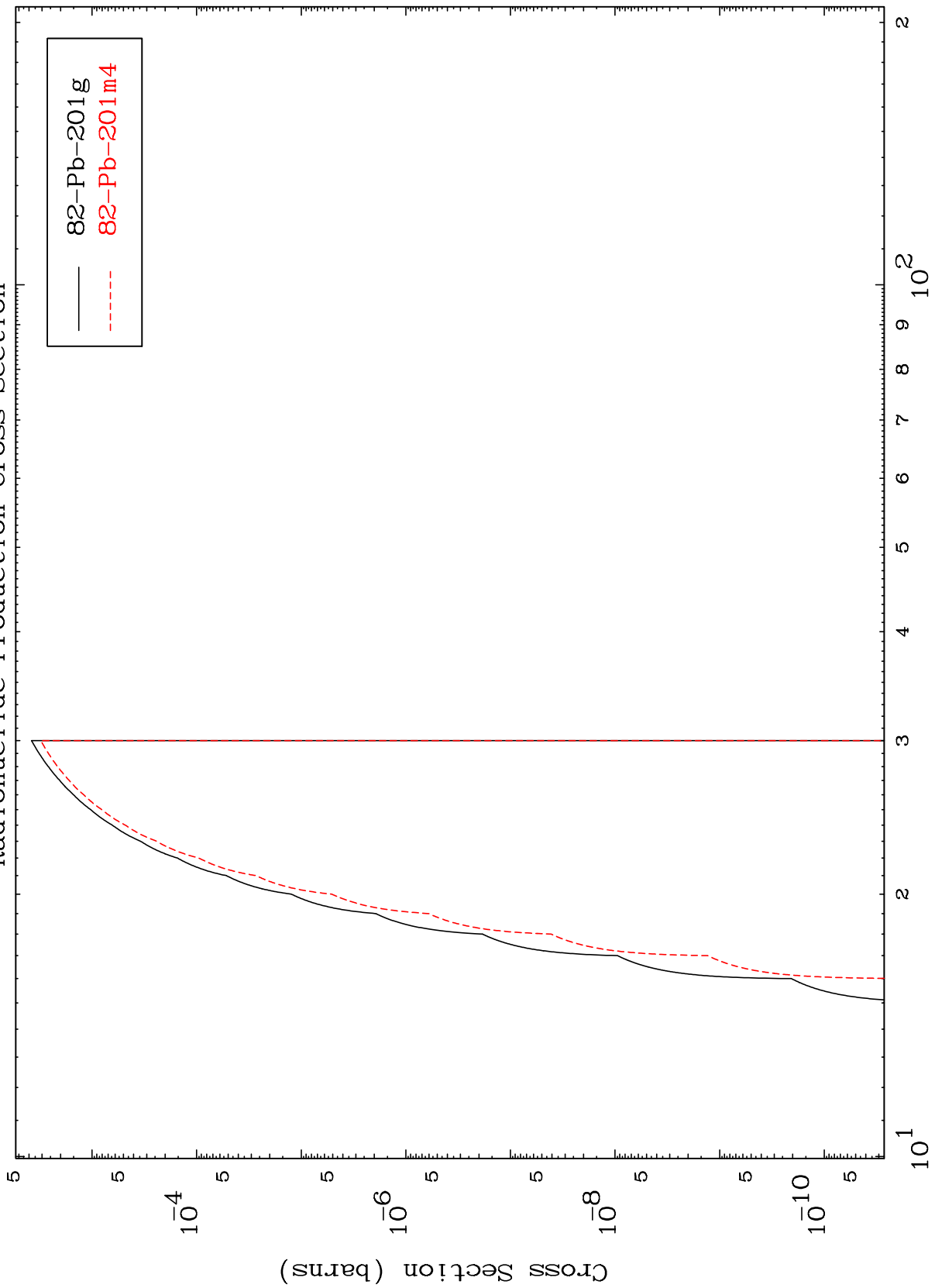


MAT 8310

(n,n') t

83-Bi-204

Radionuclide Production Cross Section



120

Incident Energy (MeV)

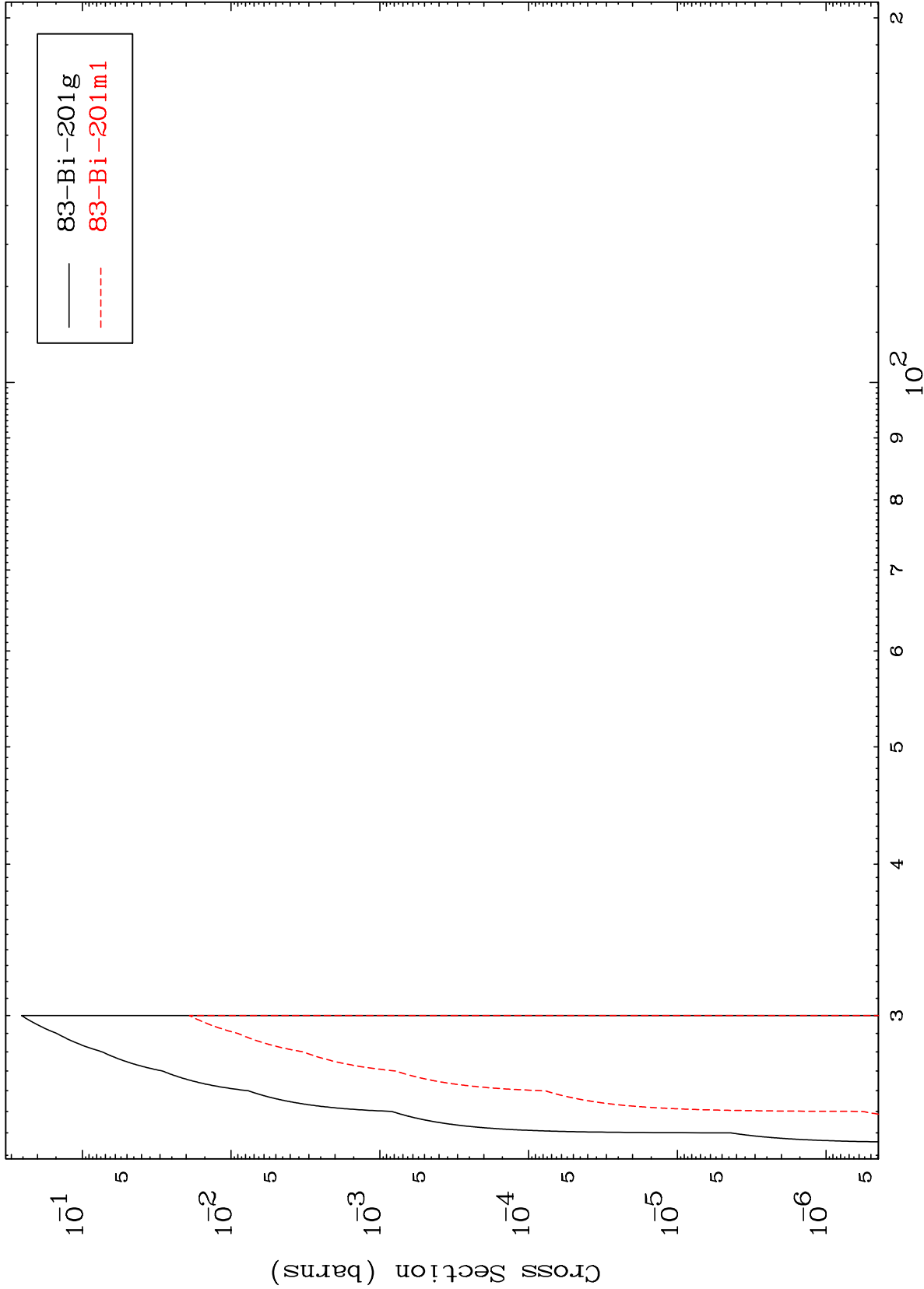
83-Bi-204

MAT 8310

(n,4n)

83-Bi-204

Radionuclide Production Cross Section



121

Incident Energy (MeV)

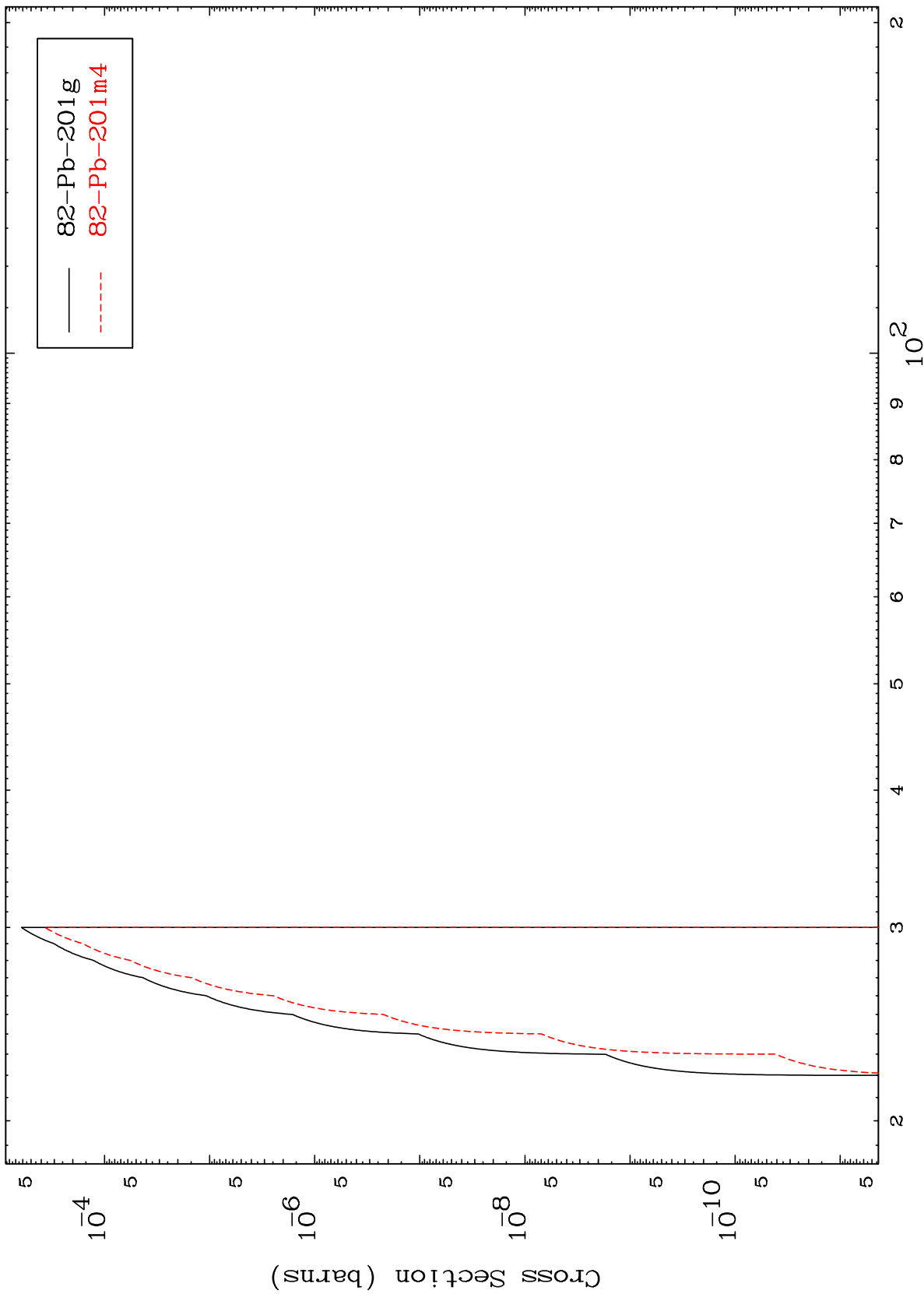
83-Bi-204

MAT 8310

(n,3n) p

83-Bi-204

Radionuclide Production Cross Section



122

Incident Energy (MeV)

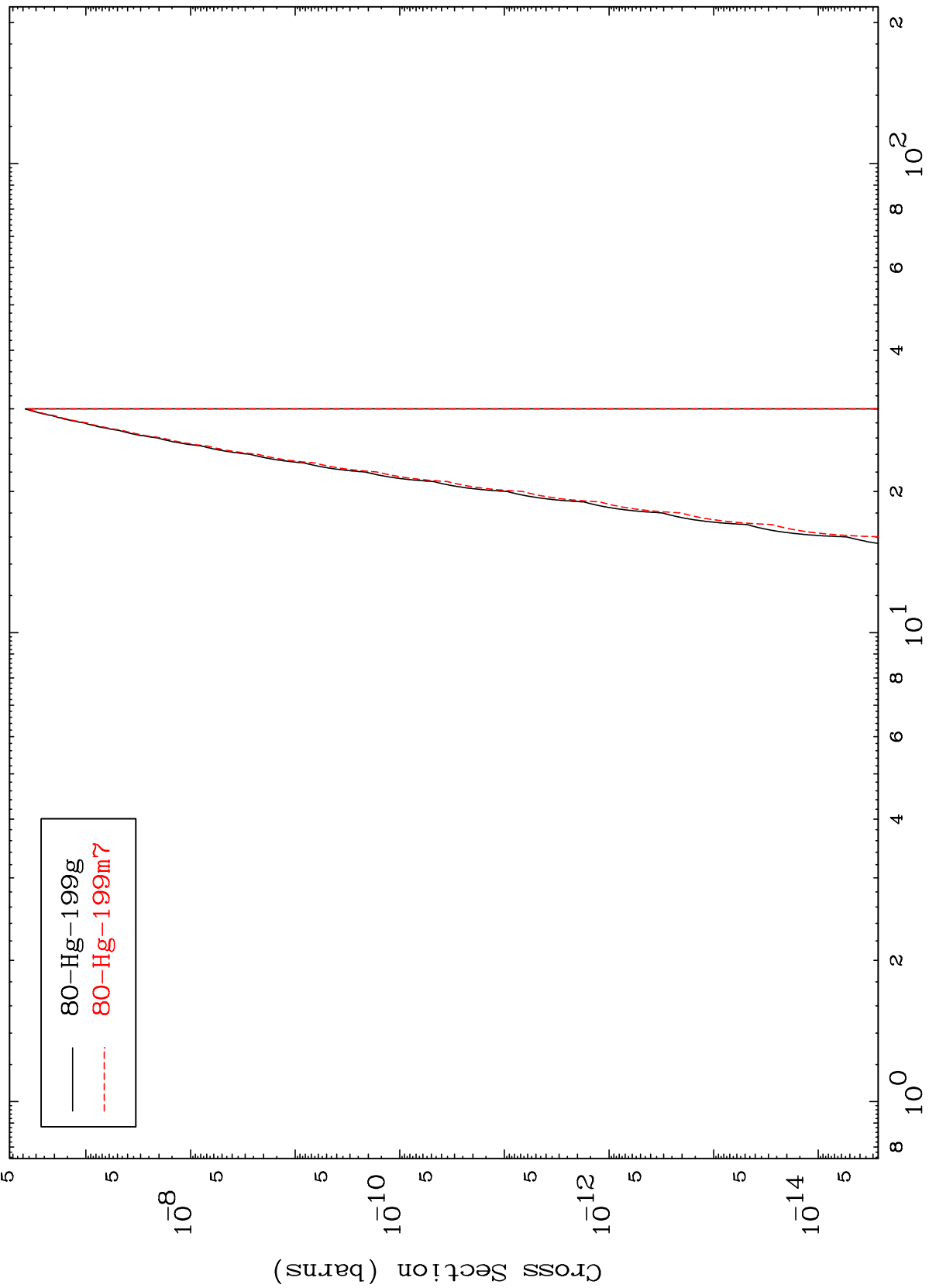
83-Bi-204

MAT 8310

(n,n') p  $\alpha$

83-Bi-204

Radionuclide Production Cross Section



123

Incident Energy (MeV)

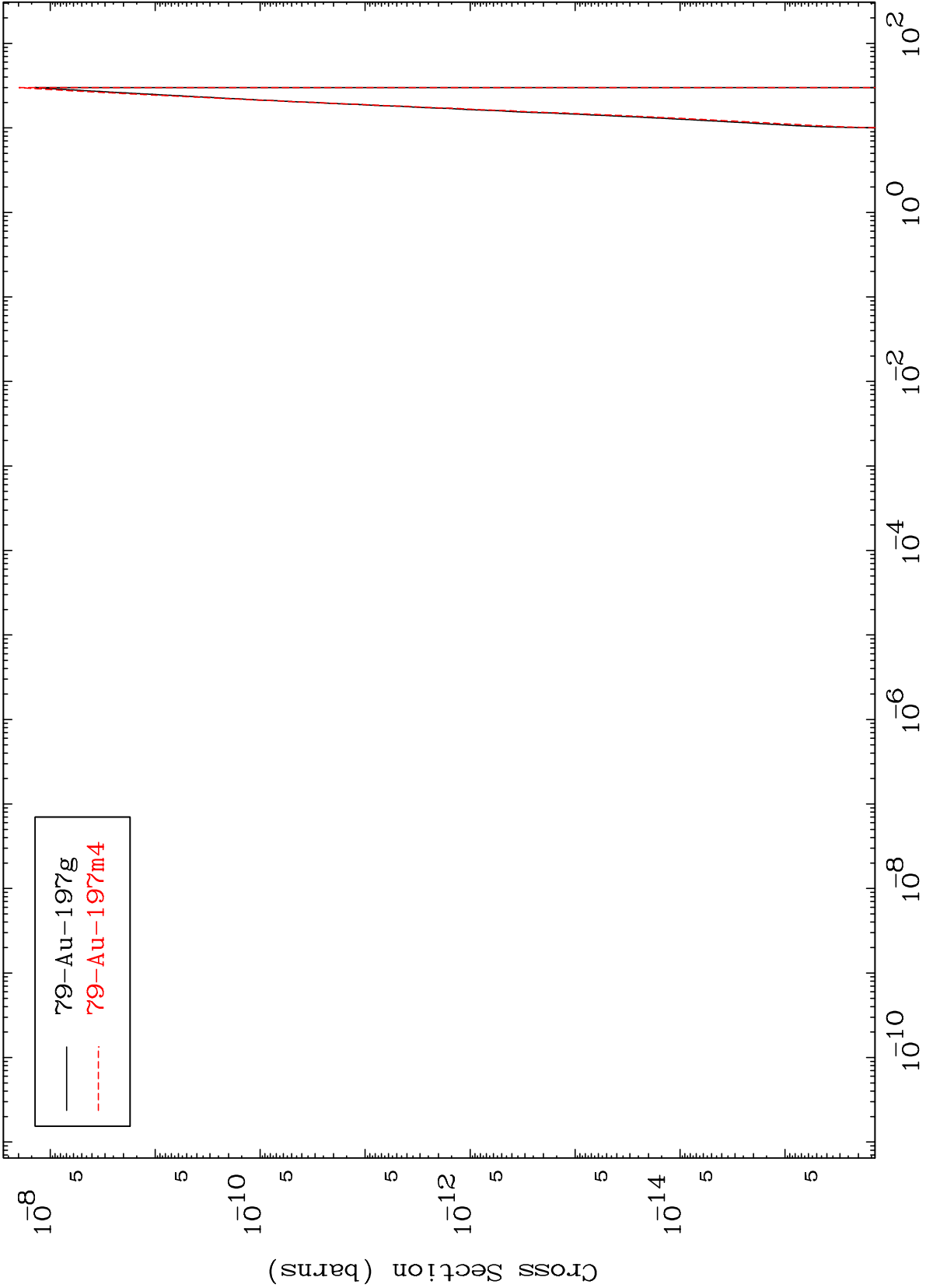
83-Bi-204

MAT 8310

(n,2α)

83-Bi-204

Radionuclide Production Cross Section



79-Au-197g  
79-Au-197m4

MAT 8310

(n,d)  $\alpha$

83-Bi-204

