

Program EVALPLOT
(Version 2018-1)

by

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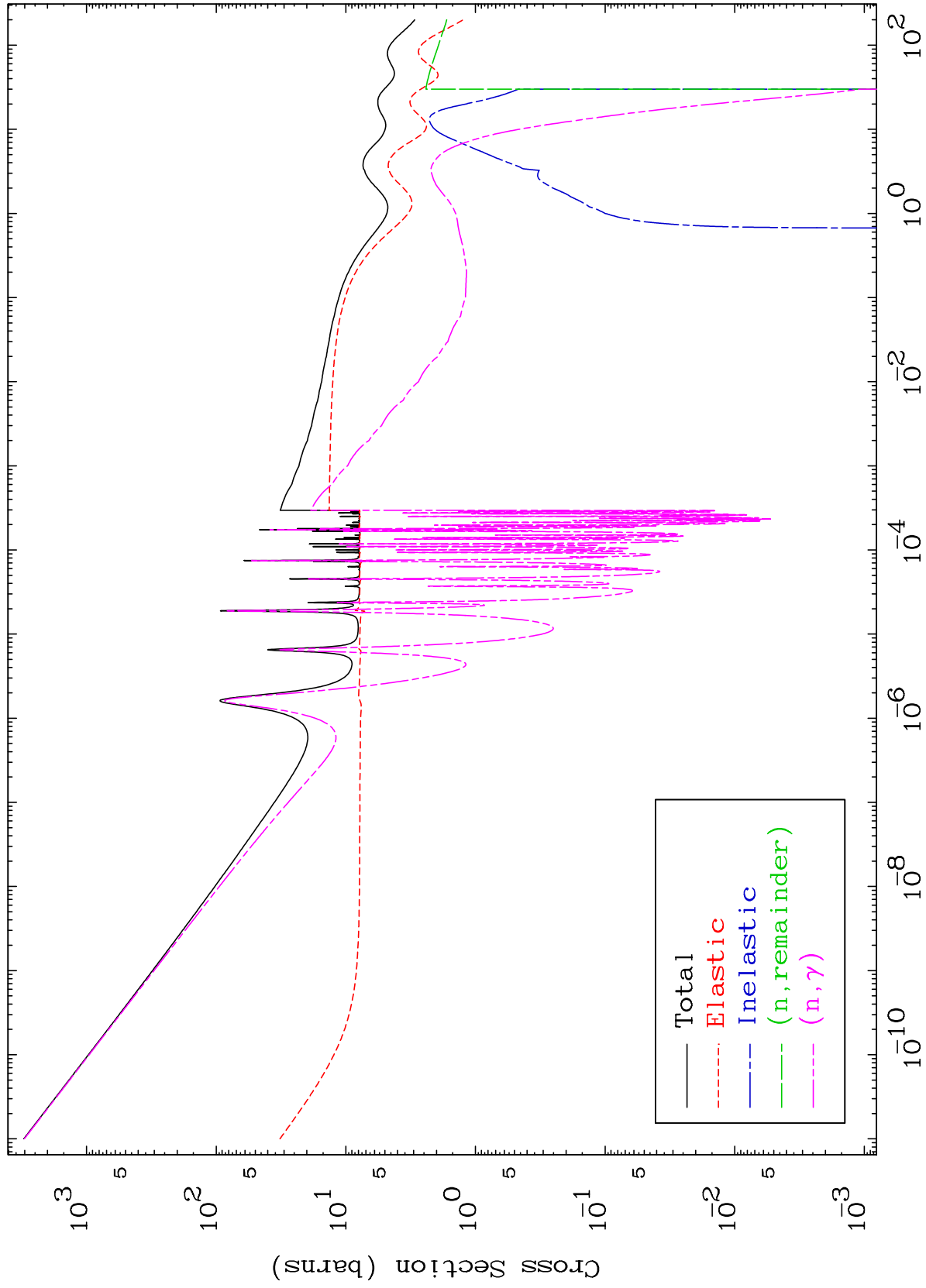
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8407

Major
293 Kelvin Cross Sections

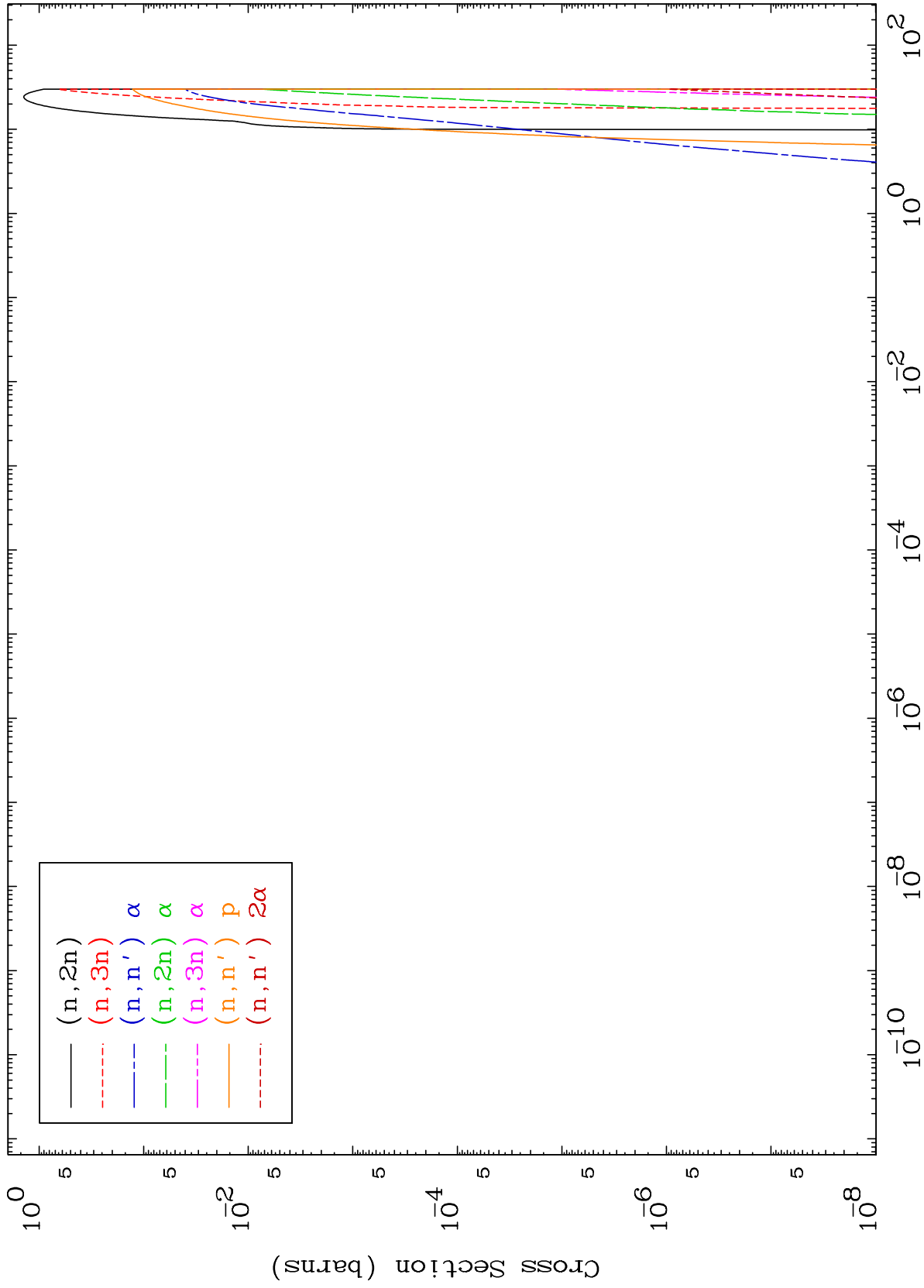
84-Po-200



MAT 8407

Neutron Production
293 Kelvin Cross Sections

84-Po-200



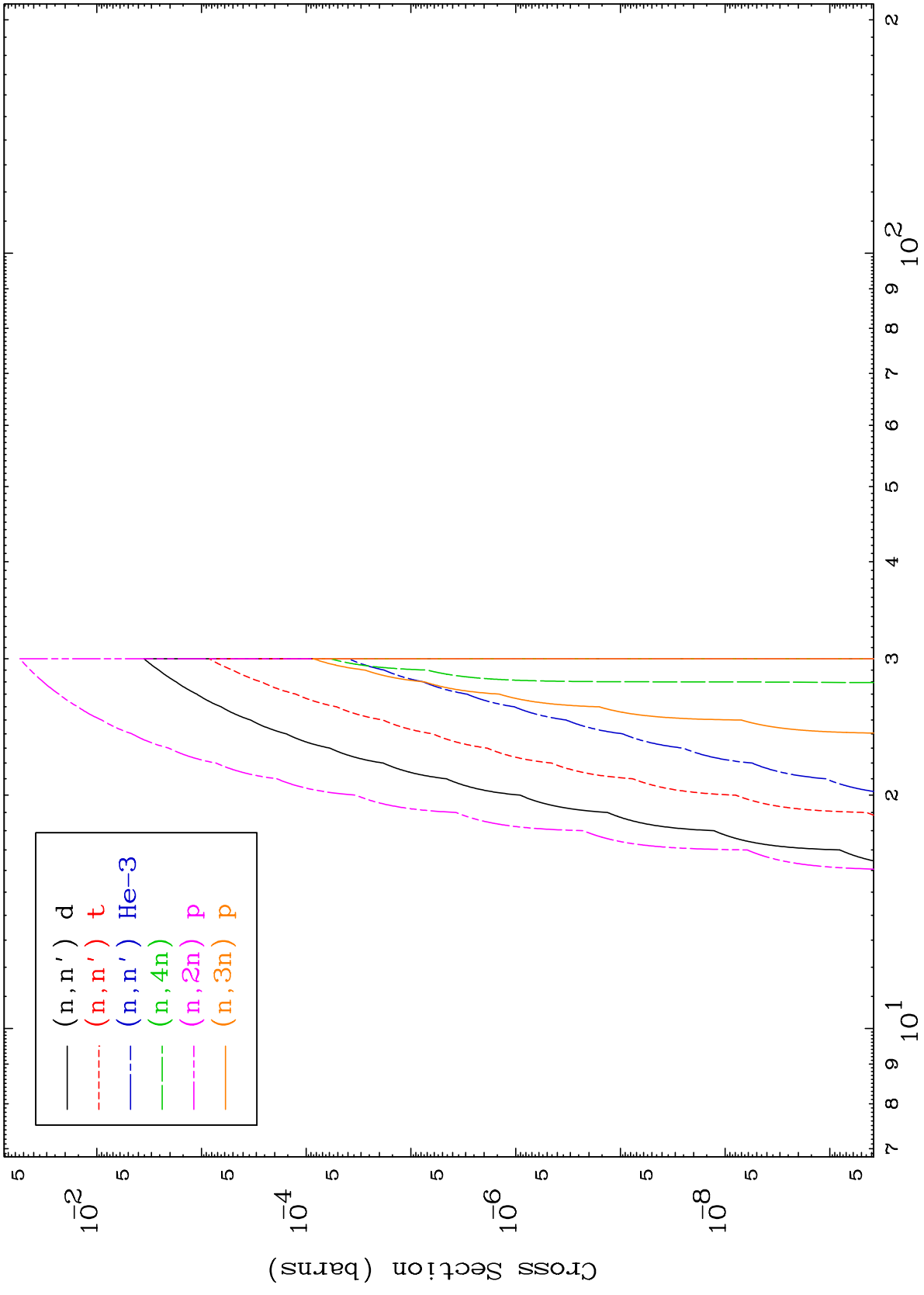
2

84-Po-200

MAT 8407

Neutron Production
293 Kelvin Cross Sections

84-Po-200



3

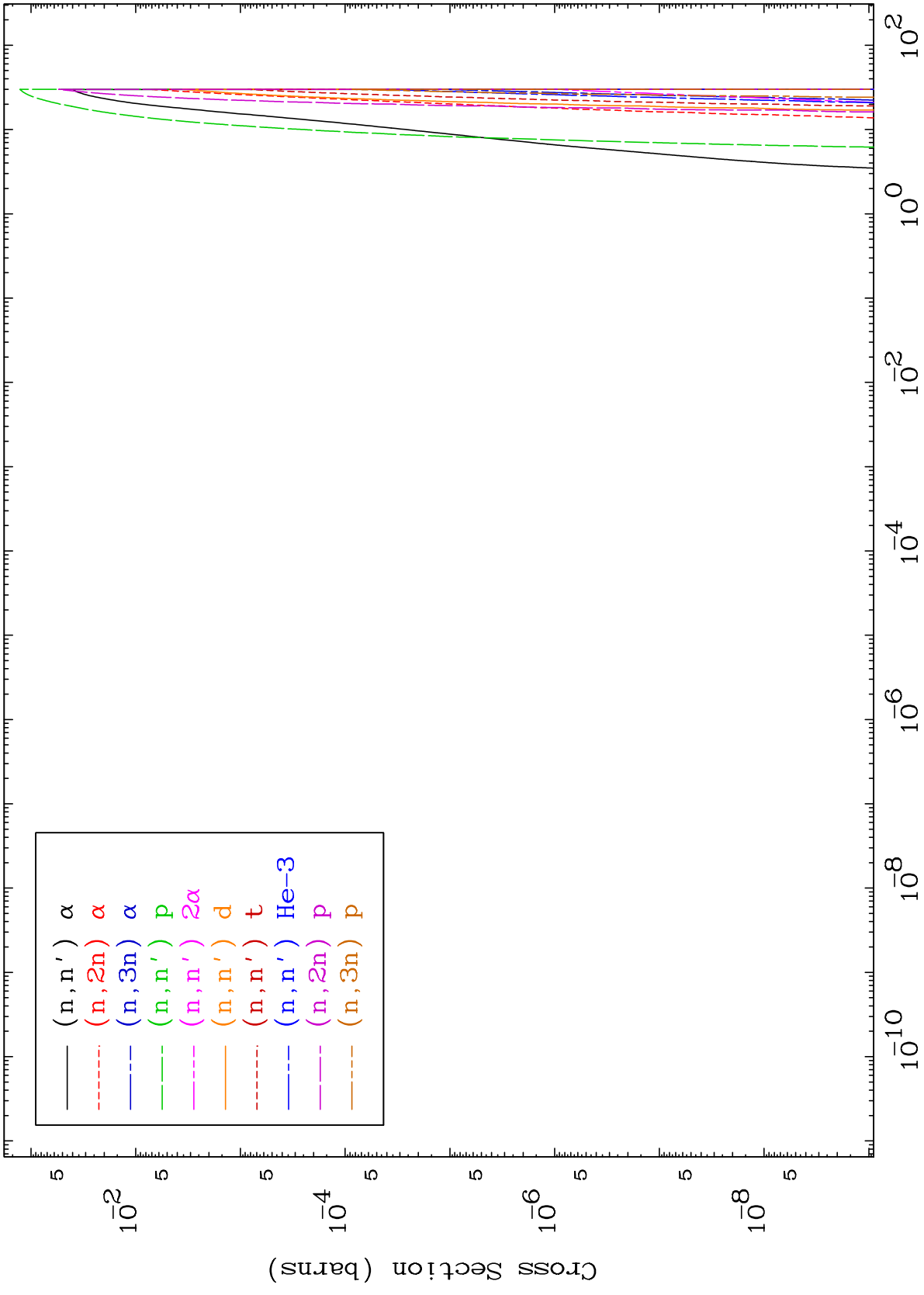
Incident Energy (MeV)

84-Po-200

MAT 8407

293 Kelvin Cross Sections

84-Po-200

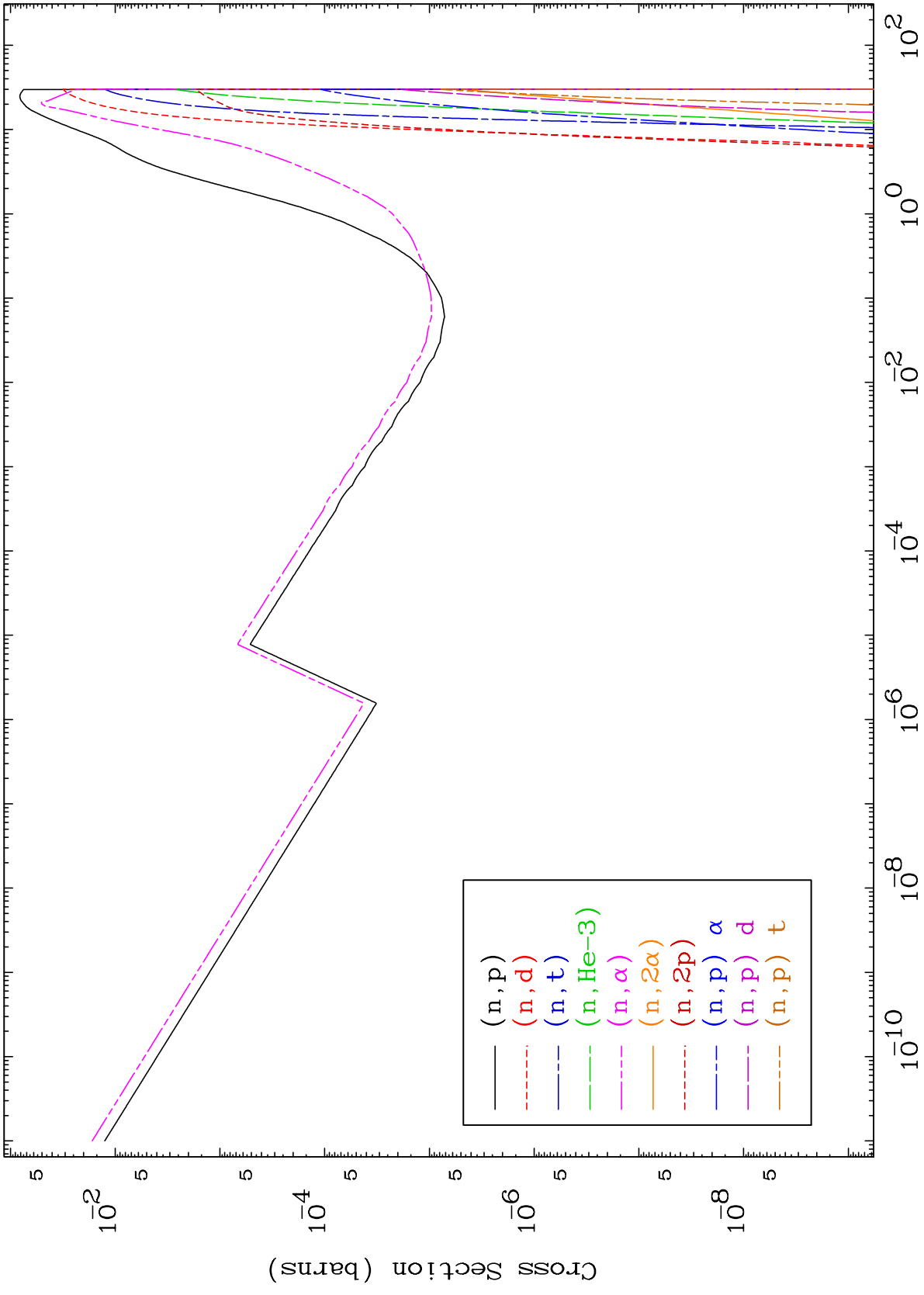


84-Po-200

MAT 8407

293 Kelvin Charged Particle Cross Sections

84-Po-200

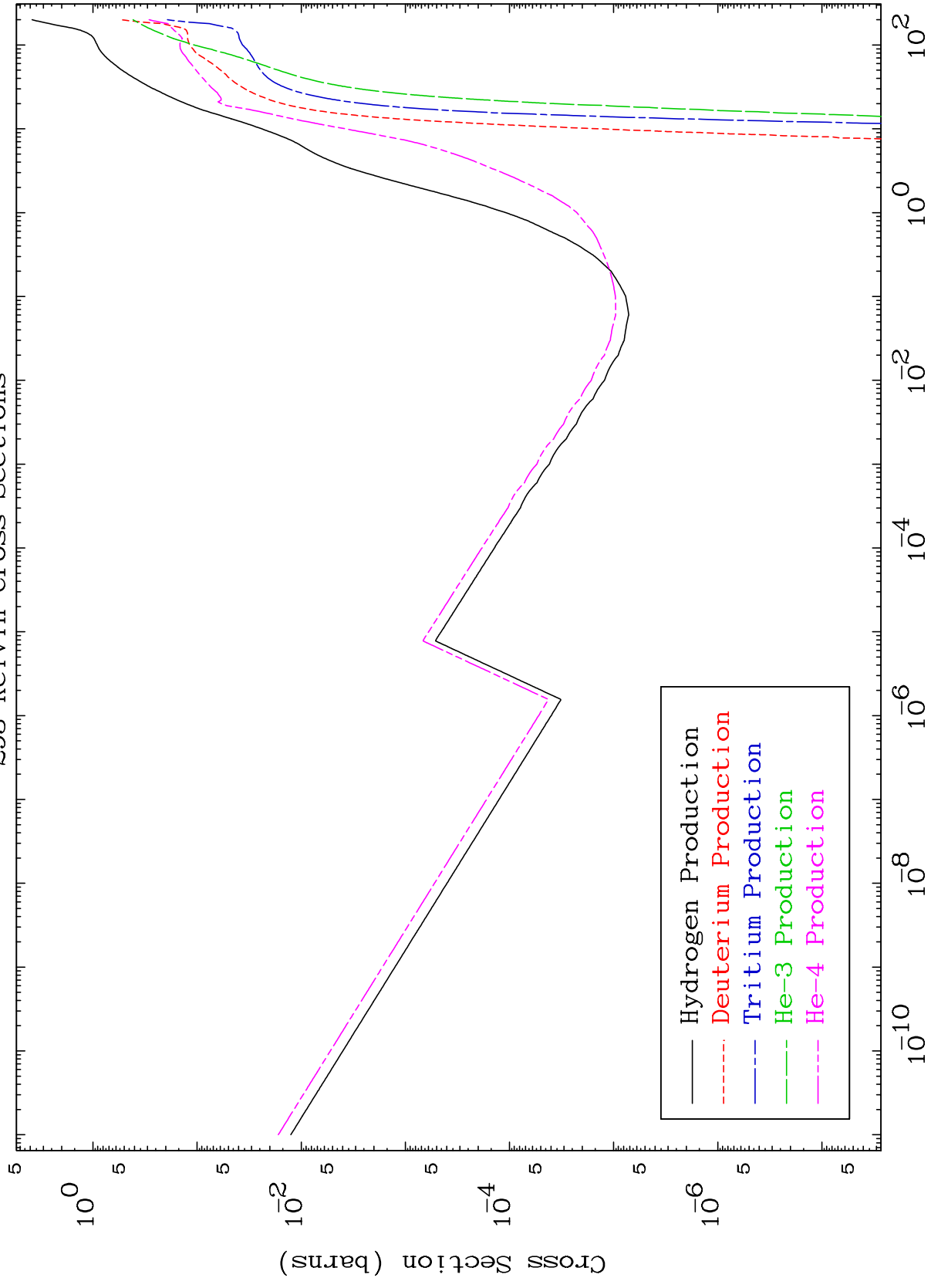


84-Po-200

MAT 8407

Particle Production
293 Kelvin Cross Sections

84-Po-200

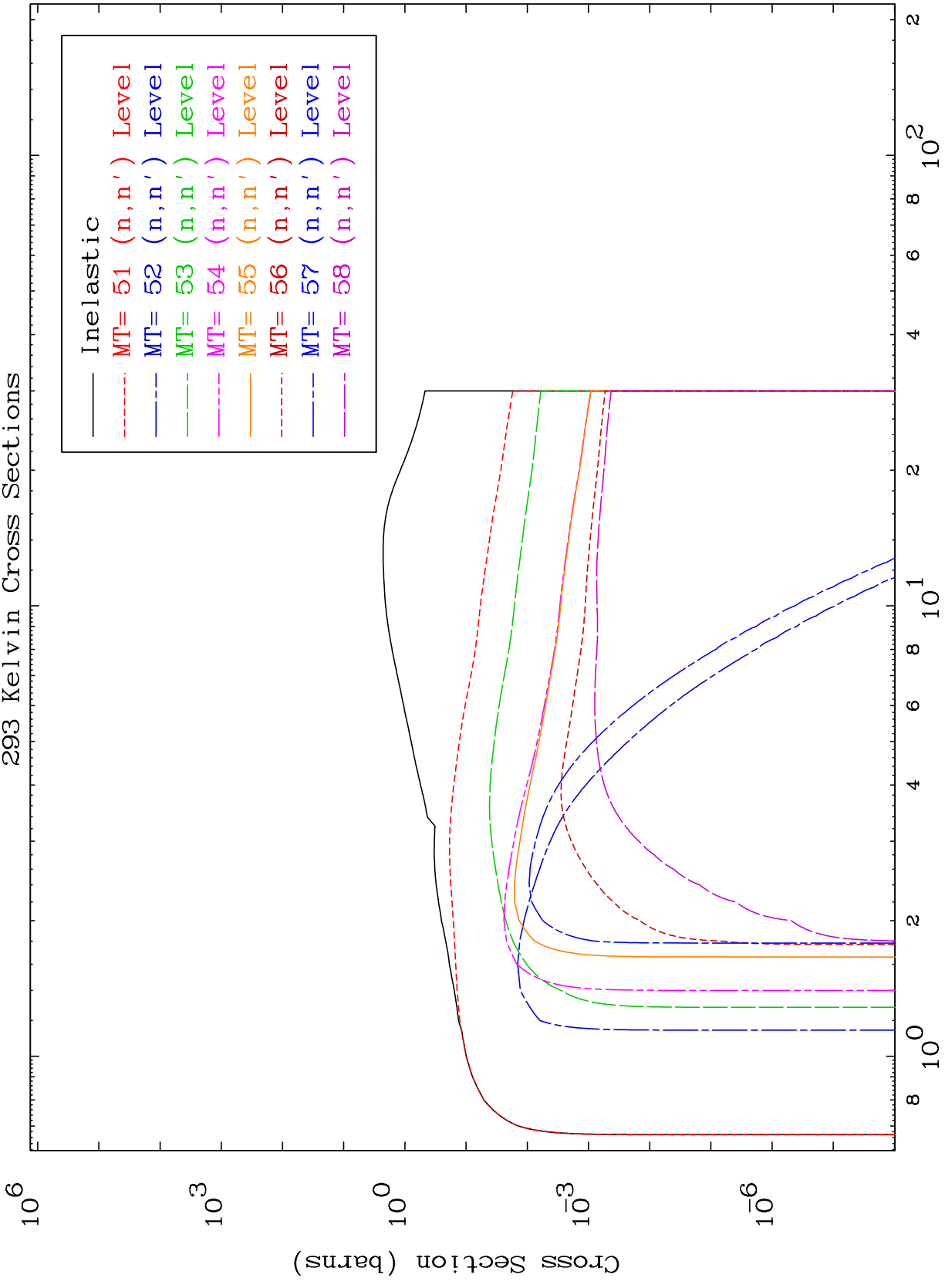


MAT 8407

(n,n') Level

84-Po-200

293 Kelvin Cross Sections



7

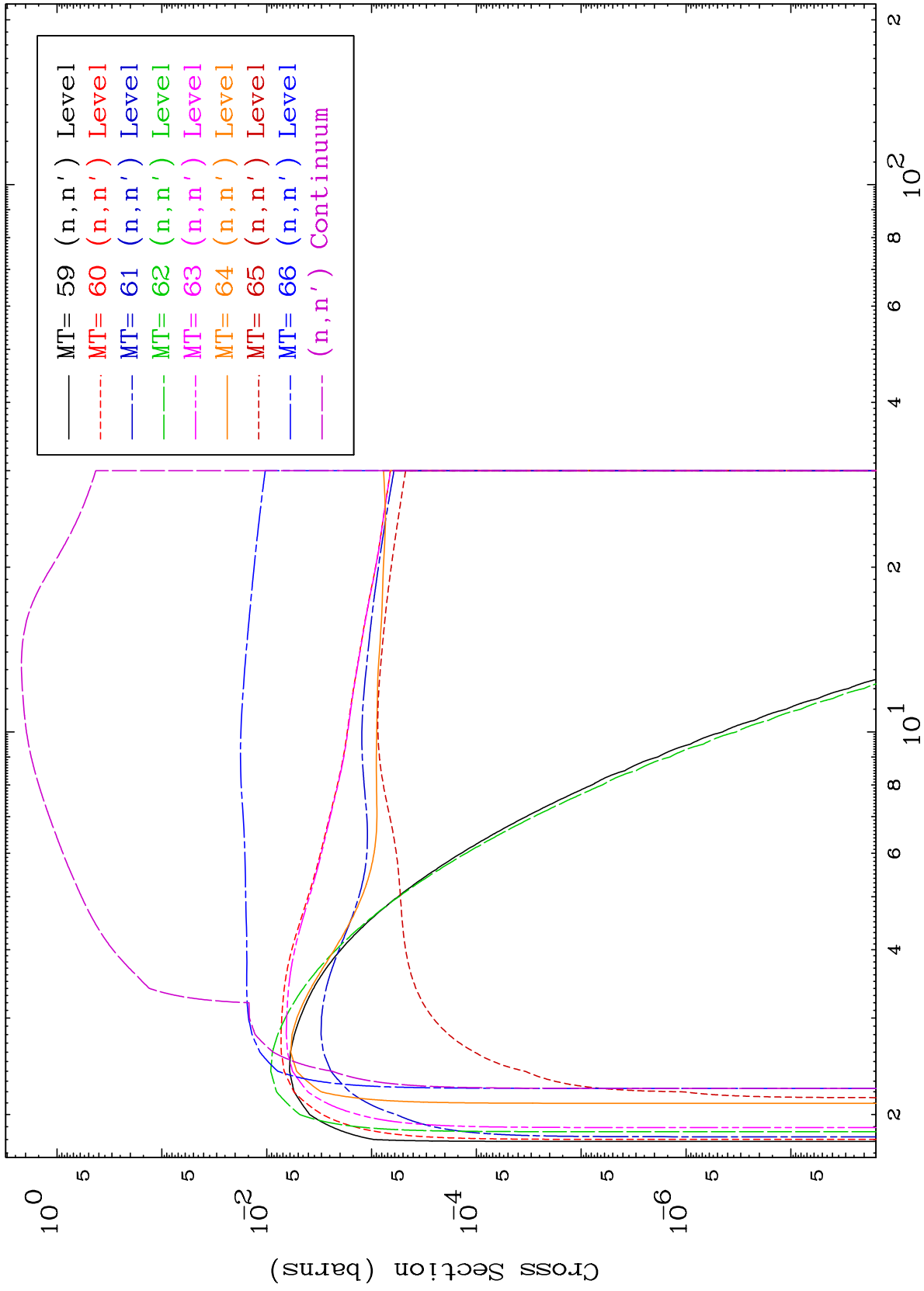
Incident Energy (MeV)

84-Po-200

MAT 8407

(n,n') Level
293 Kelvin Cross Sections

84-Po-200



8

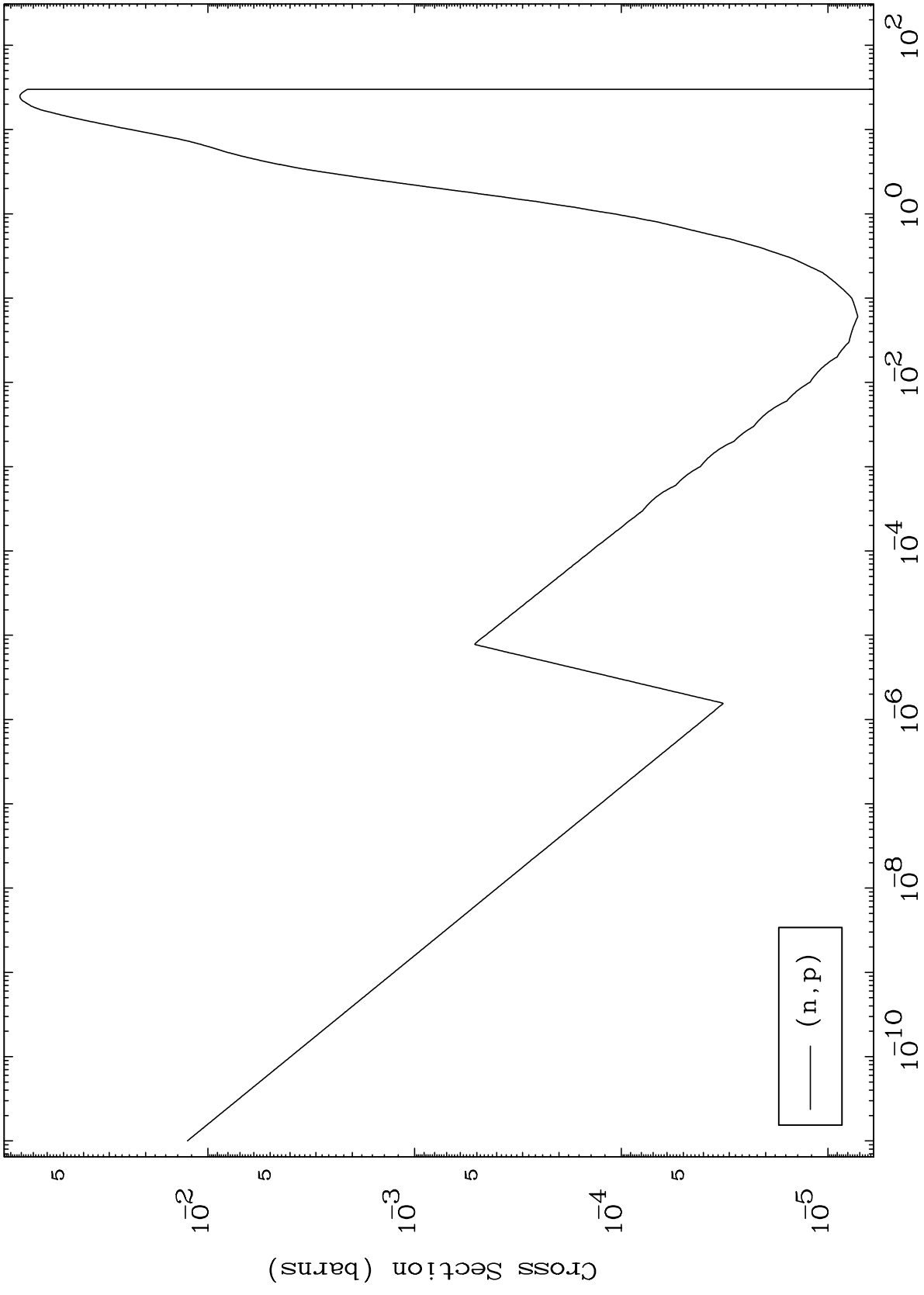
Incident Energy (MeV)

84-Po-200

MAT 8407

(n,p) Levels
293 Kelvin Cross Sections

84-Po-200

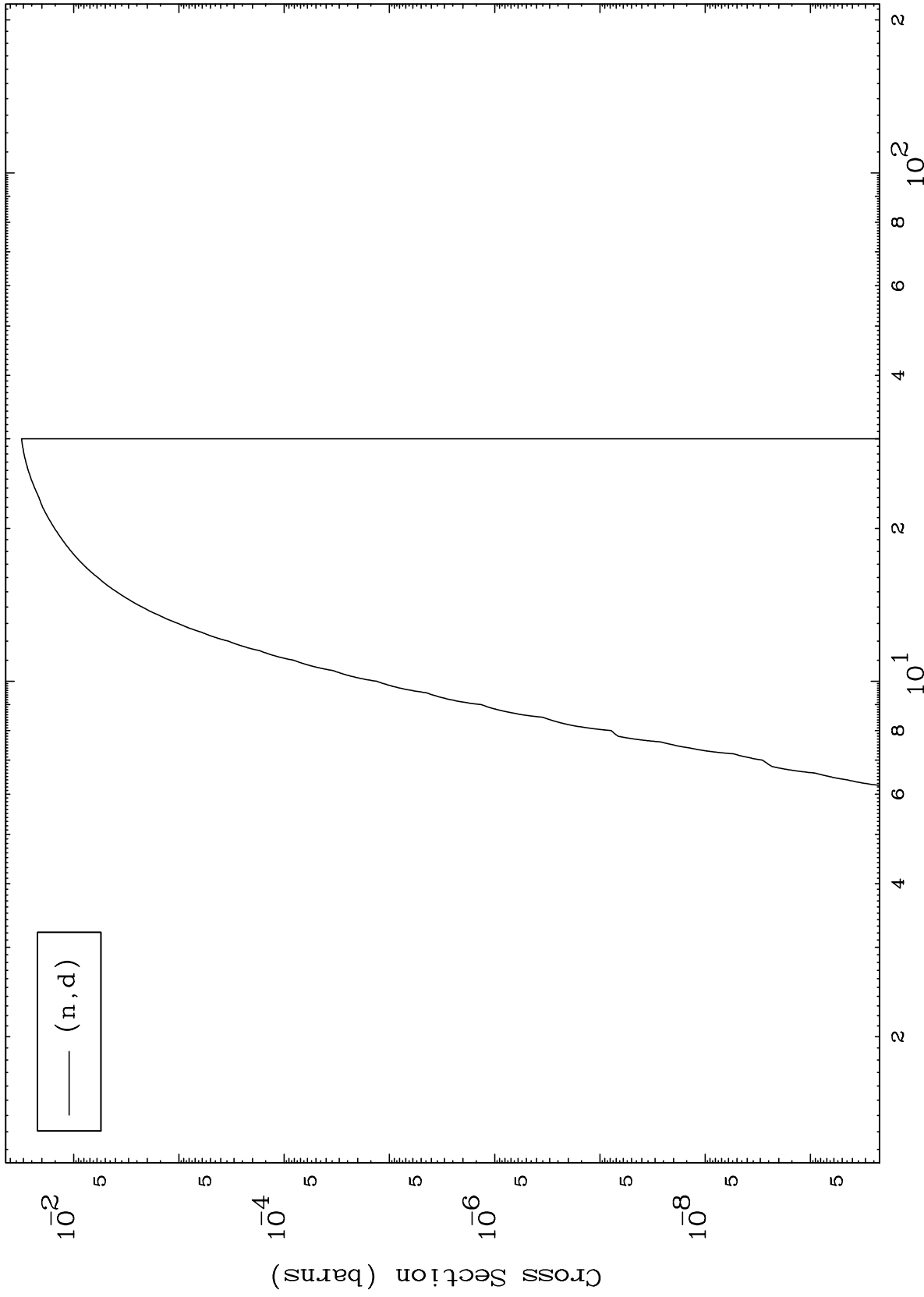


84-Po-200

MAT 8407

(n,d) Levels
293 Kelvin Cross Sections

84-Po-200



10

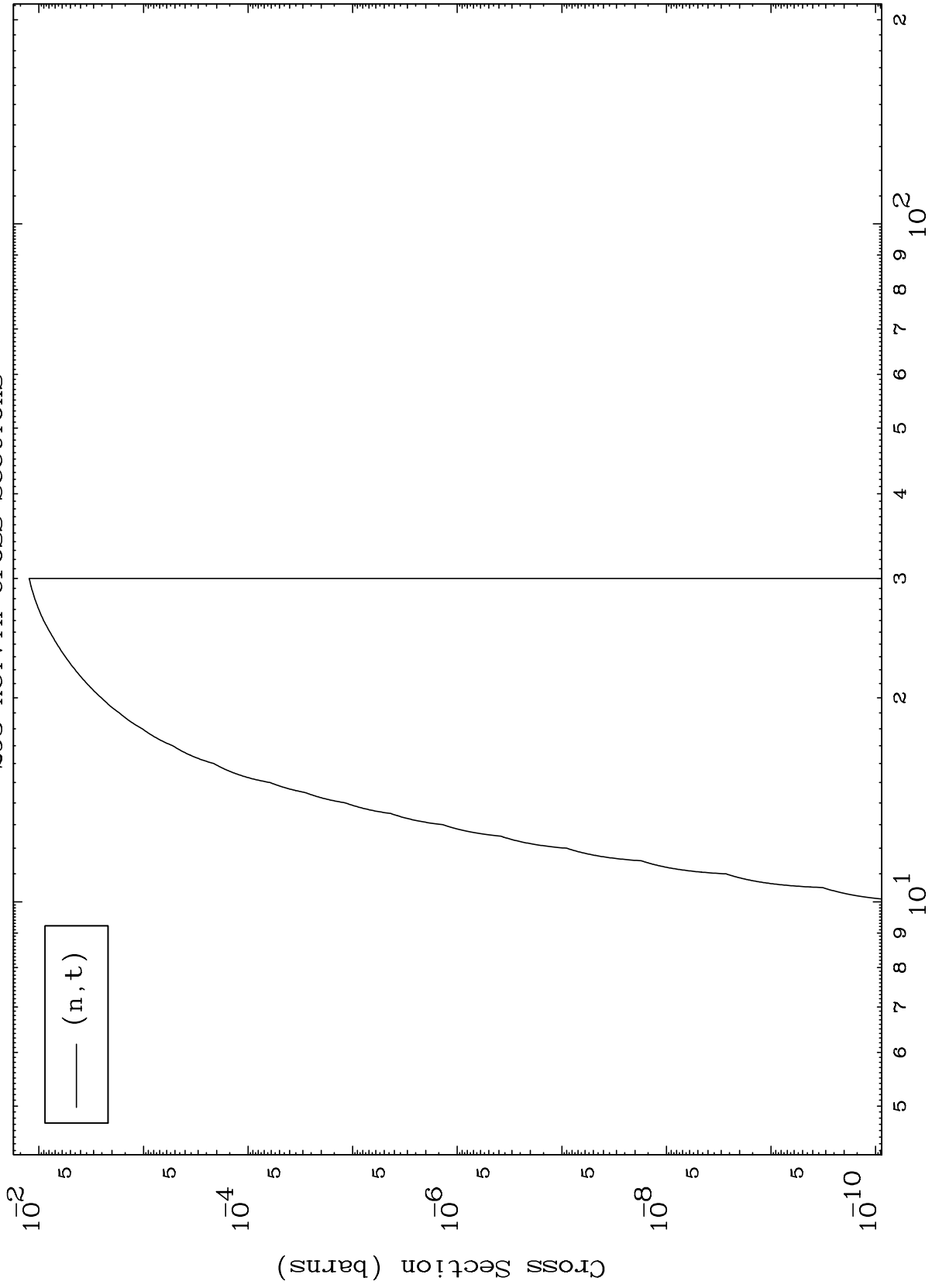
Incident Energy (MeV)

84-Po-200

MAT 8407

(n,t) Levels
293 Kelvin Cross Sections

84-Po-200



11

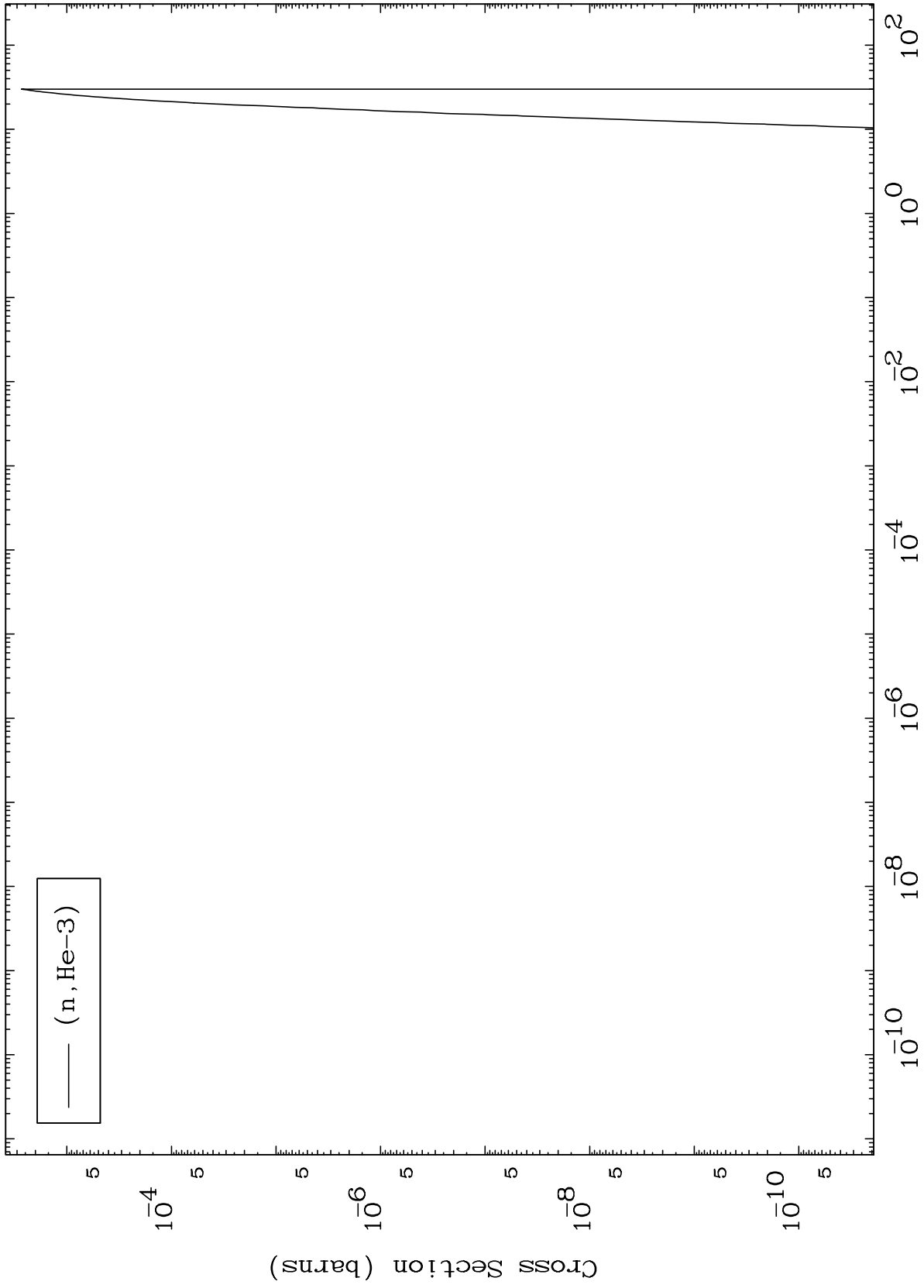
Incident Energy (MeV)

84-Po-200

MAT 8407

(n,He3) Levels
293 Kelvin Cross Sections

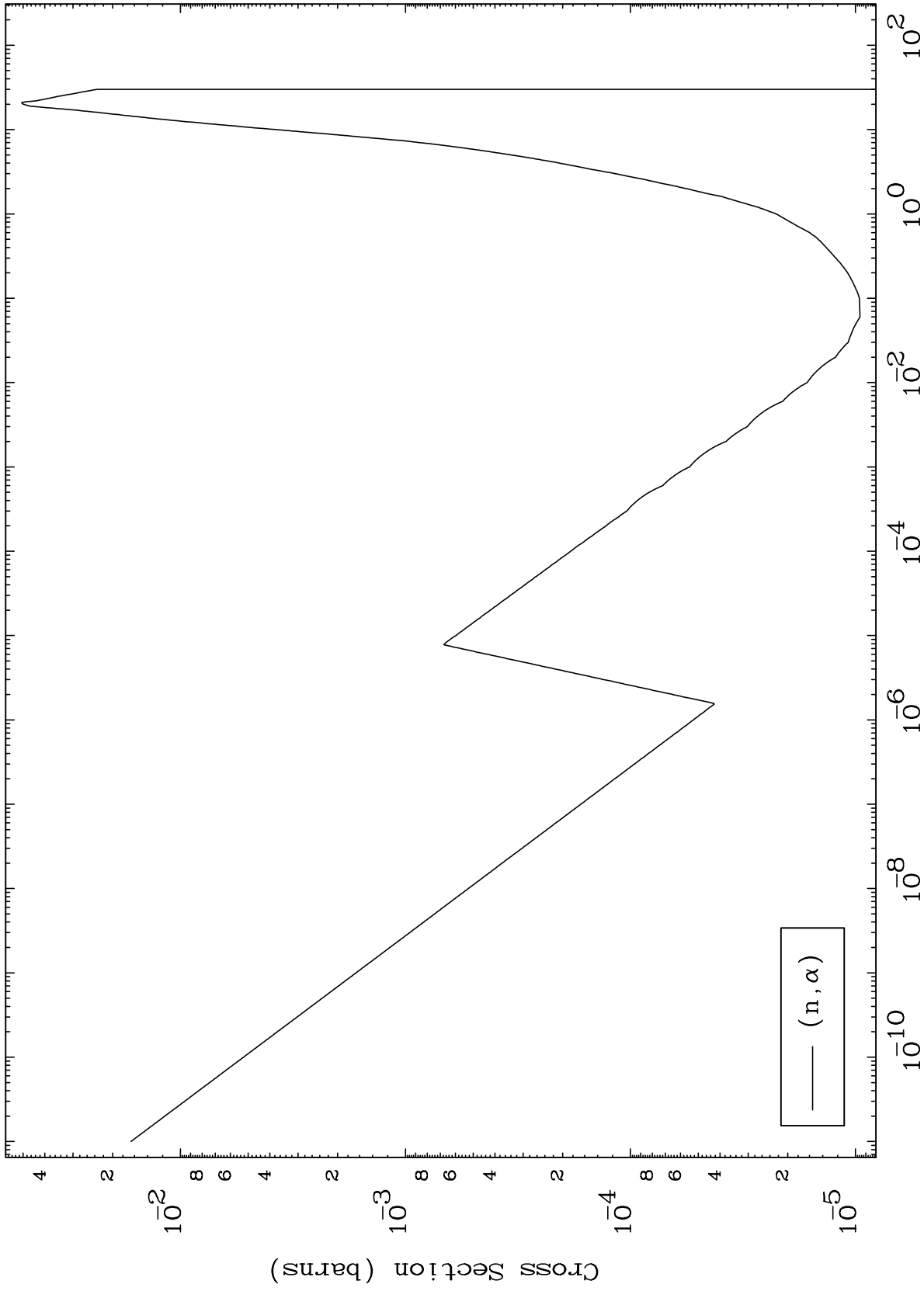
84-Po-200



MAT 8407

(n,α) Levels
293 Kelvin Cross Sections

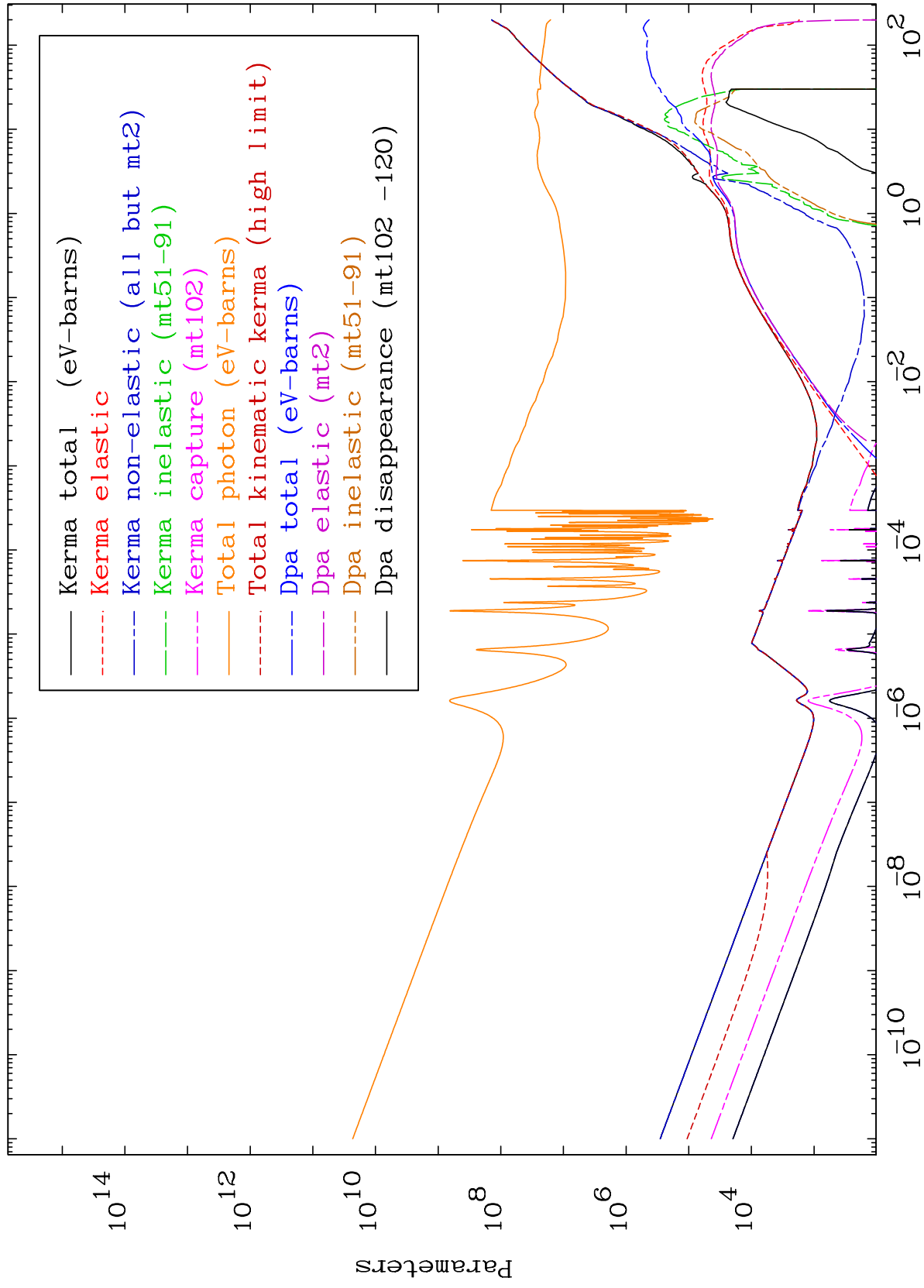
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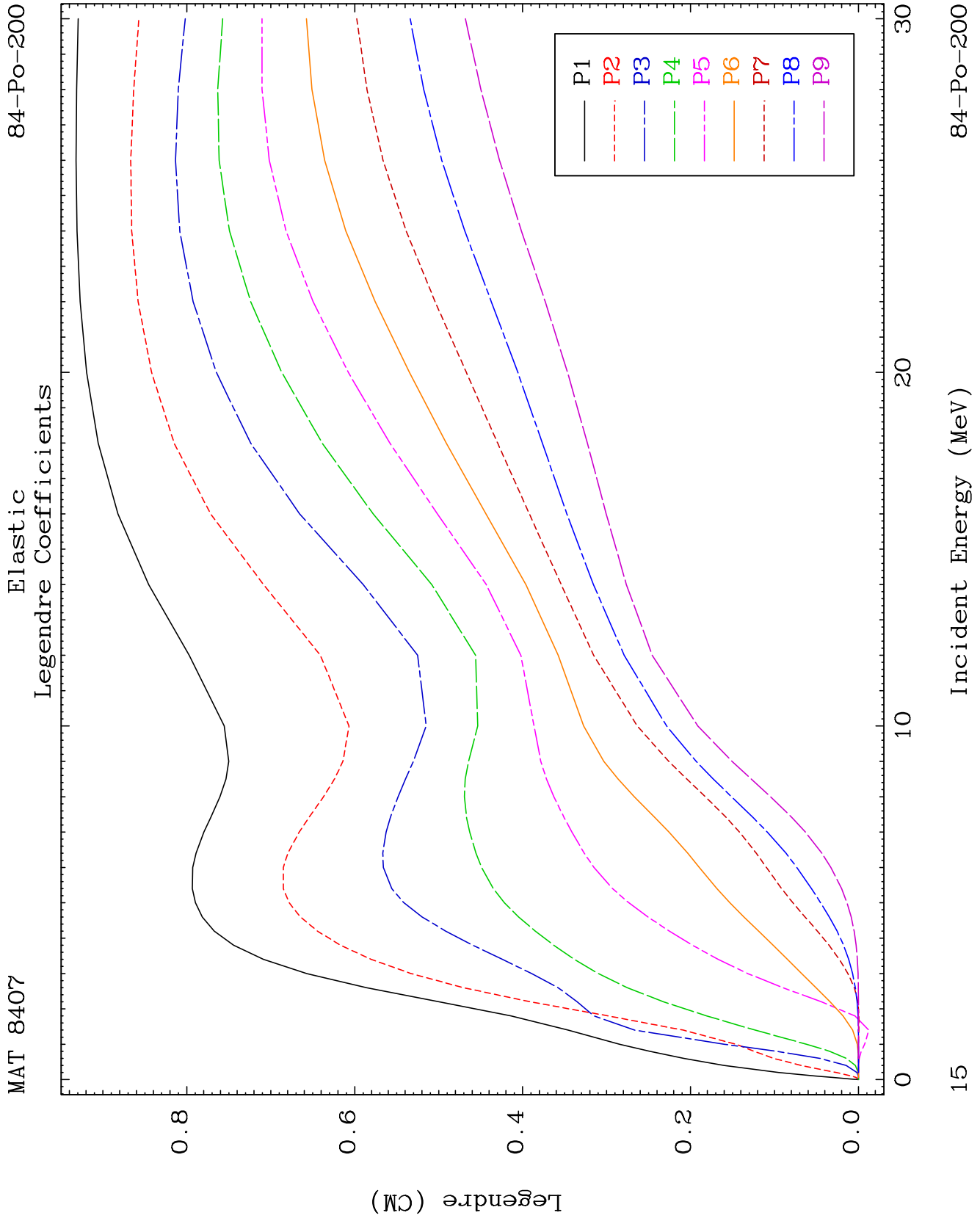


13

Incident Energy (MeV)

84-Po-200

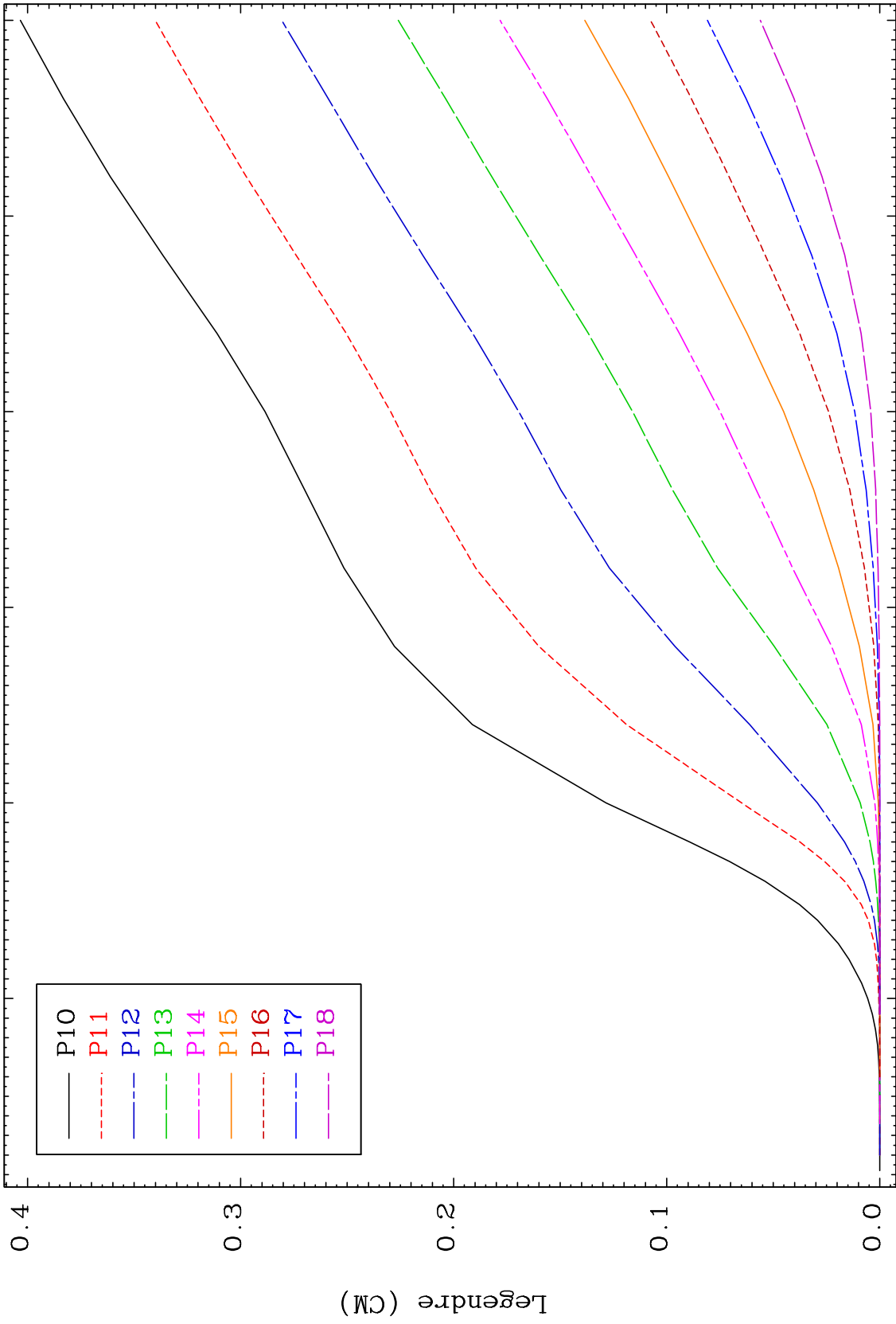




MAT 8407

Elastic Legendre Coefficients

84-Po-200



16

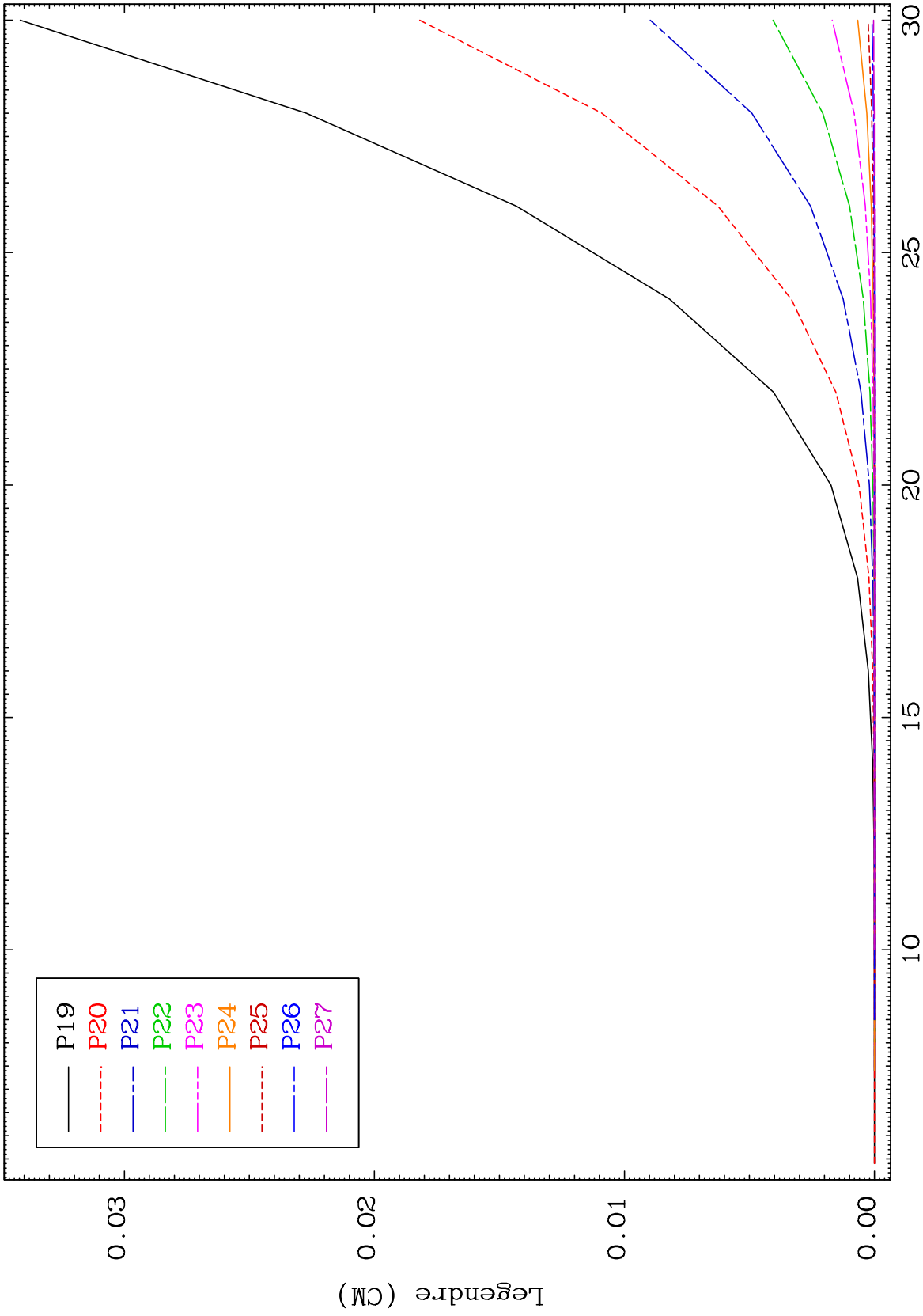
Incident Energy (MeV)

84-Po-200

MAT 8407

Elastic Legendre Coefficients

84-Po-200



17

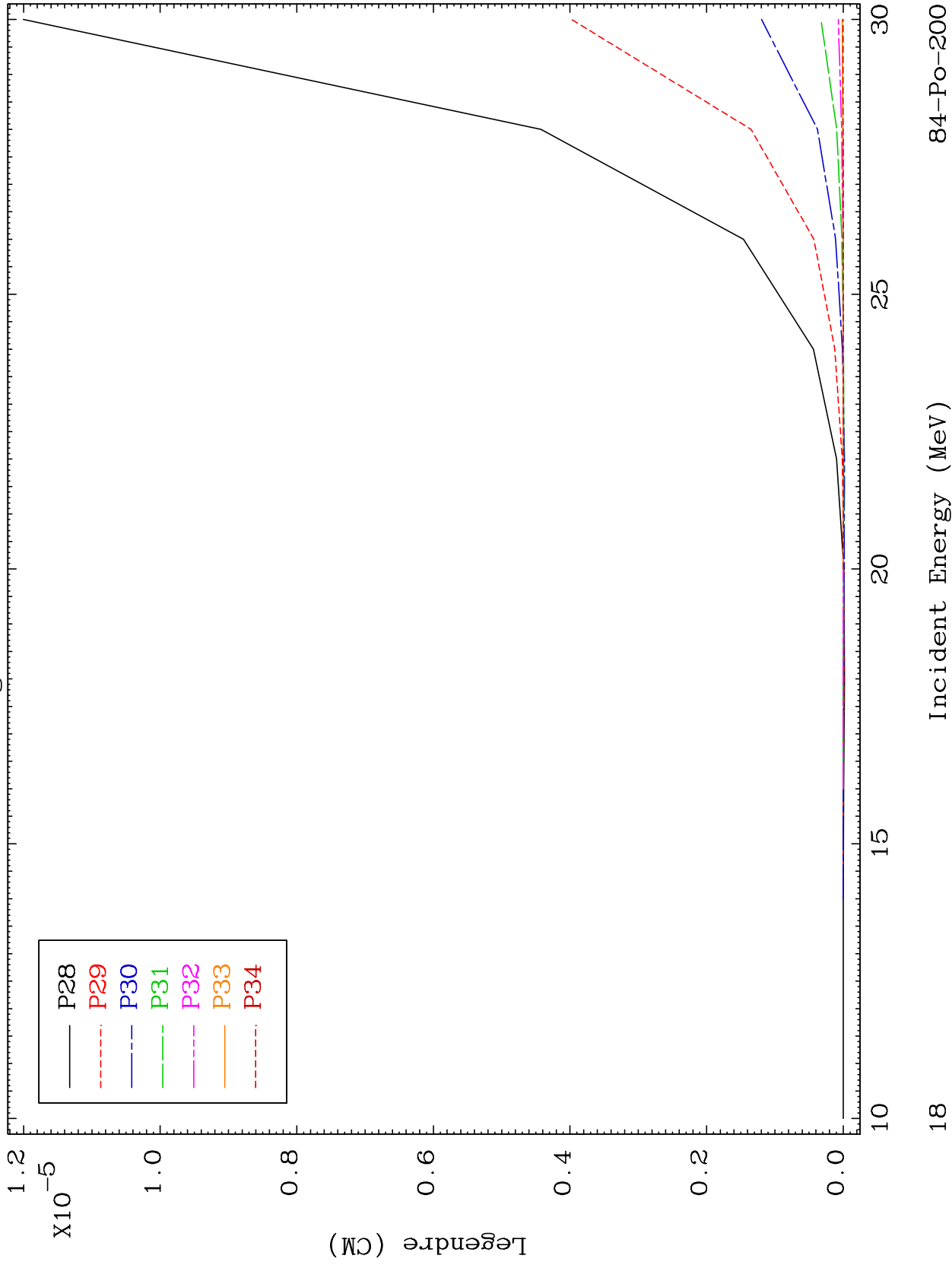
Incident Energy (MeV)

84-Po-200

MAT 8407

Elastic Legendre Coefficients

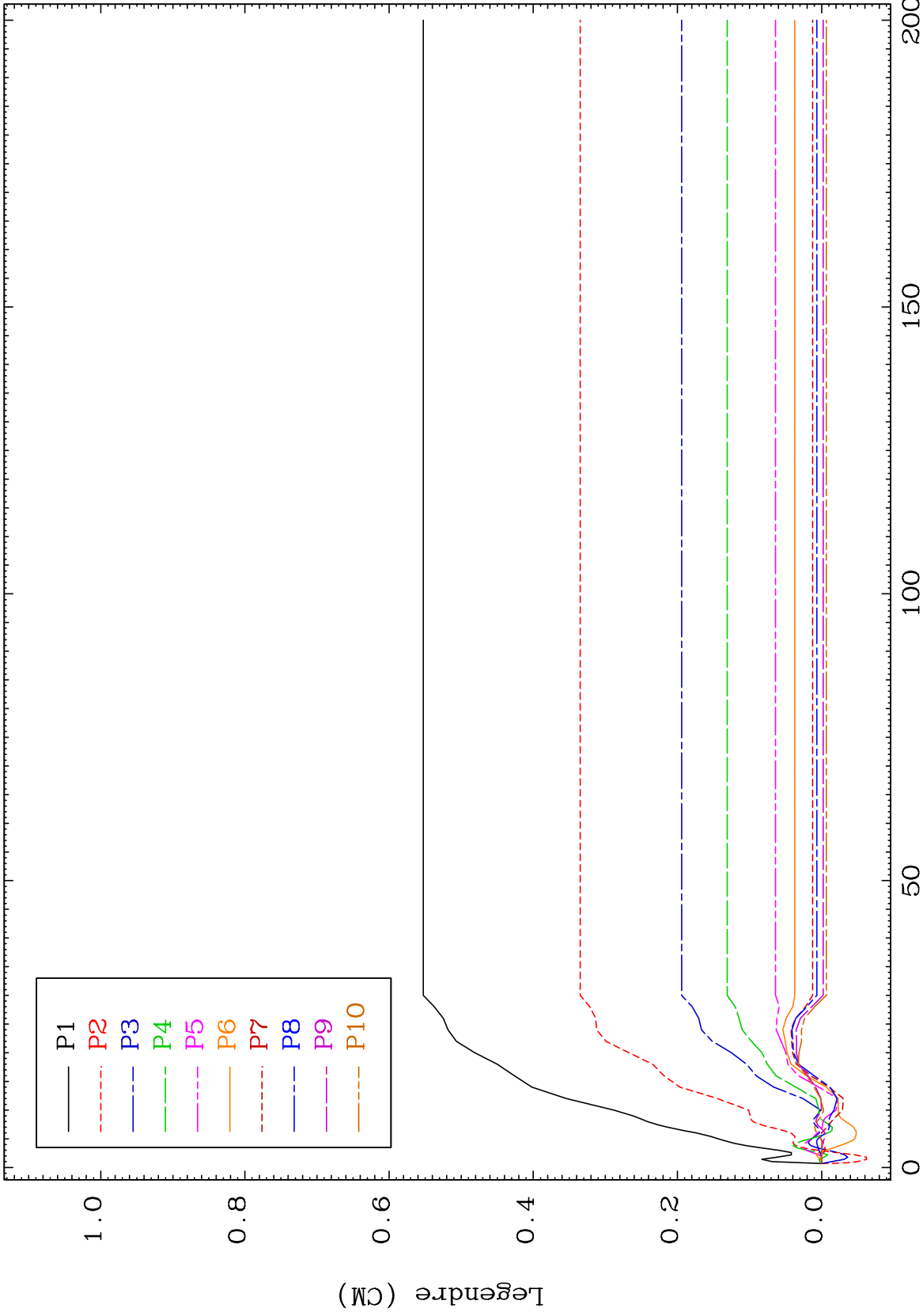
84-Po-200



MAT 8407

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

84-Po-200



19

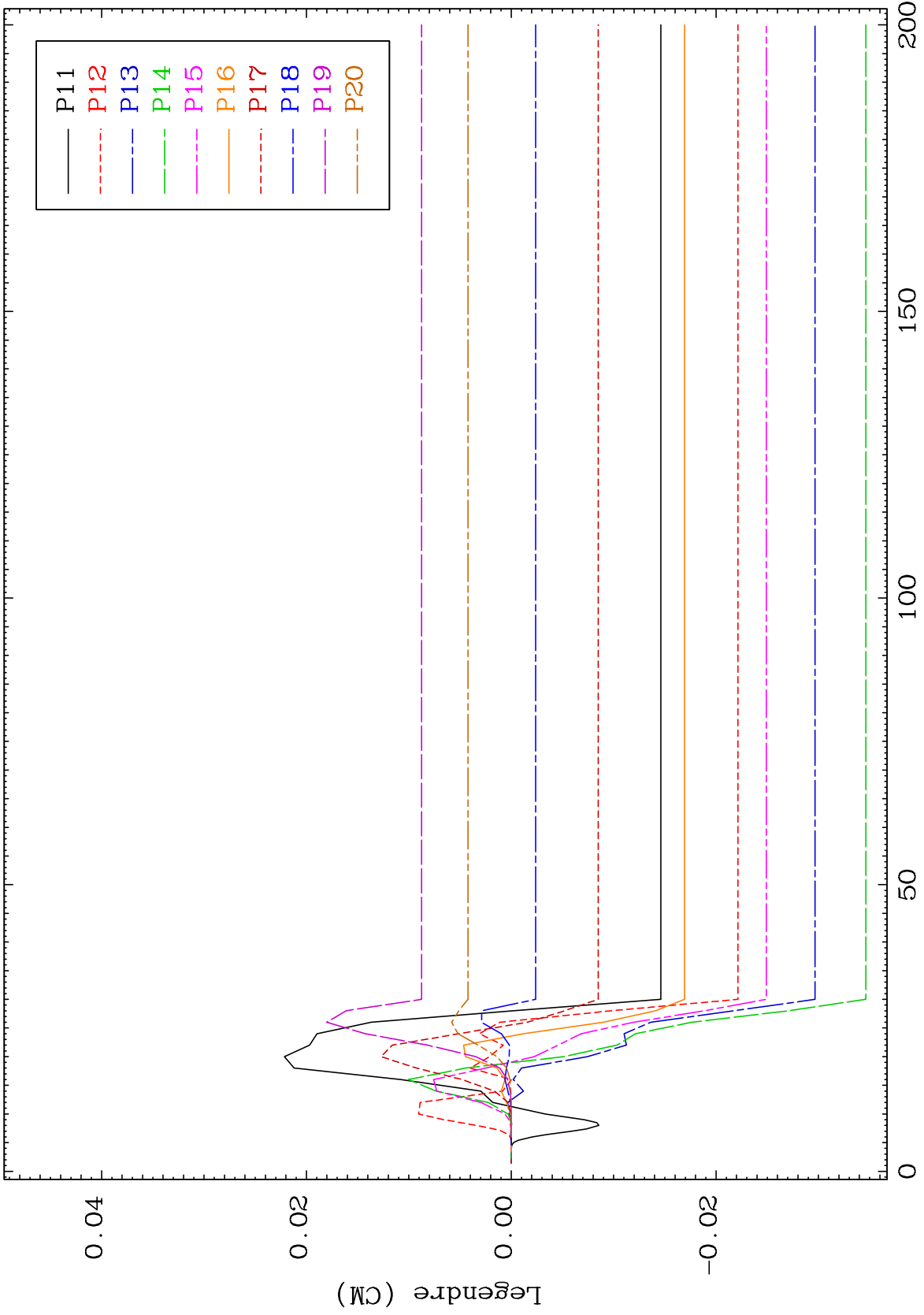
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



84-Po-200

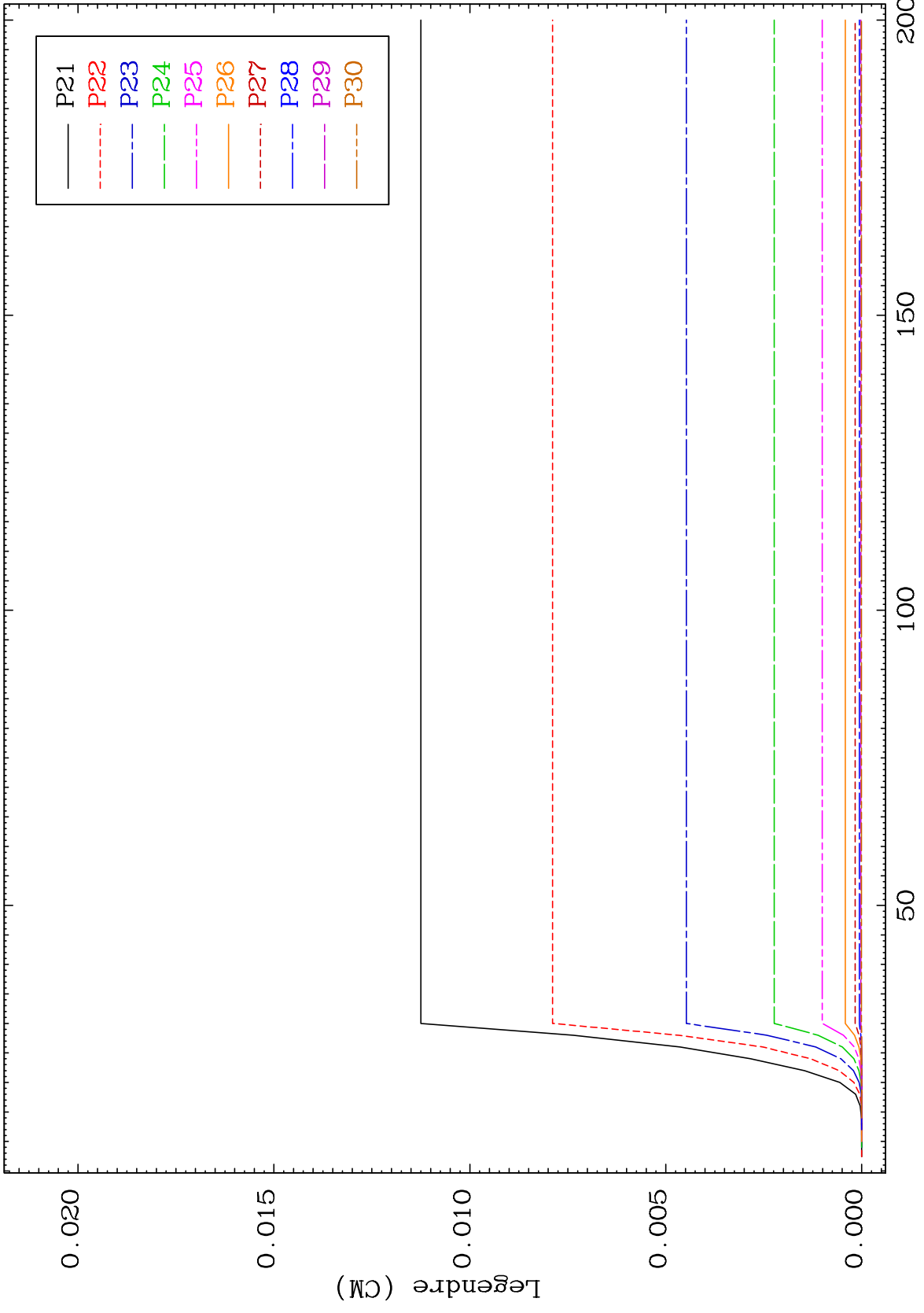
Incident Energy (MeV)

20

MAT 8407

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

84-Po-200



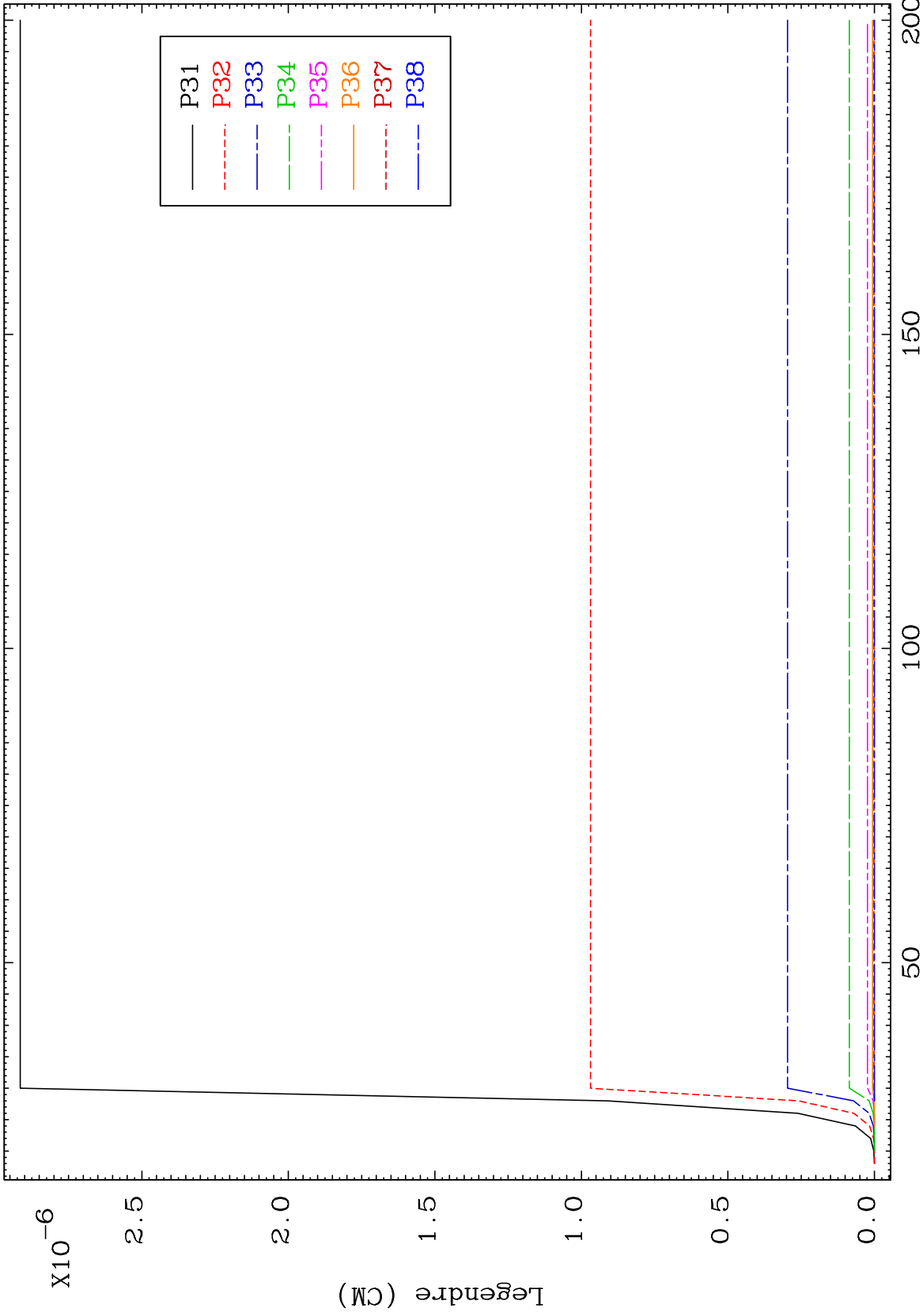
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84-Po-200

MAT 8407

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

84-Po-200

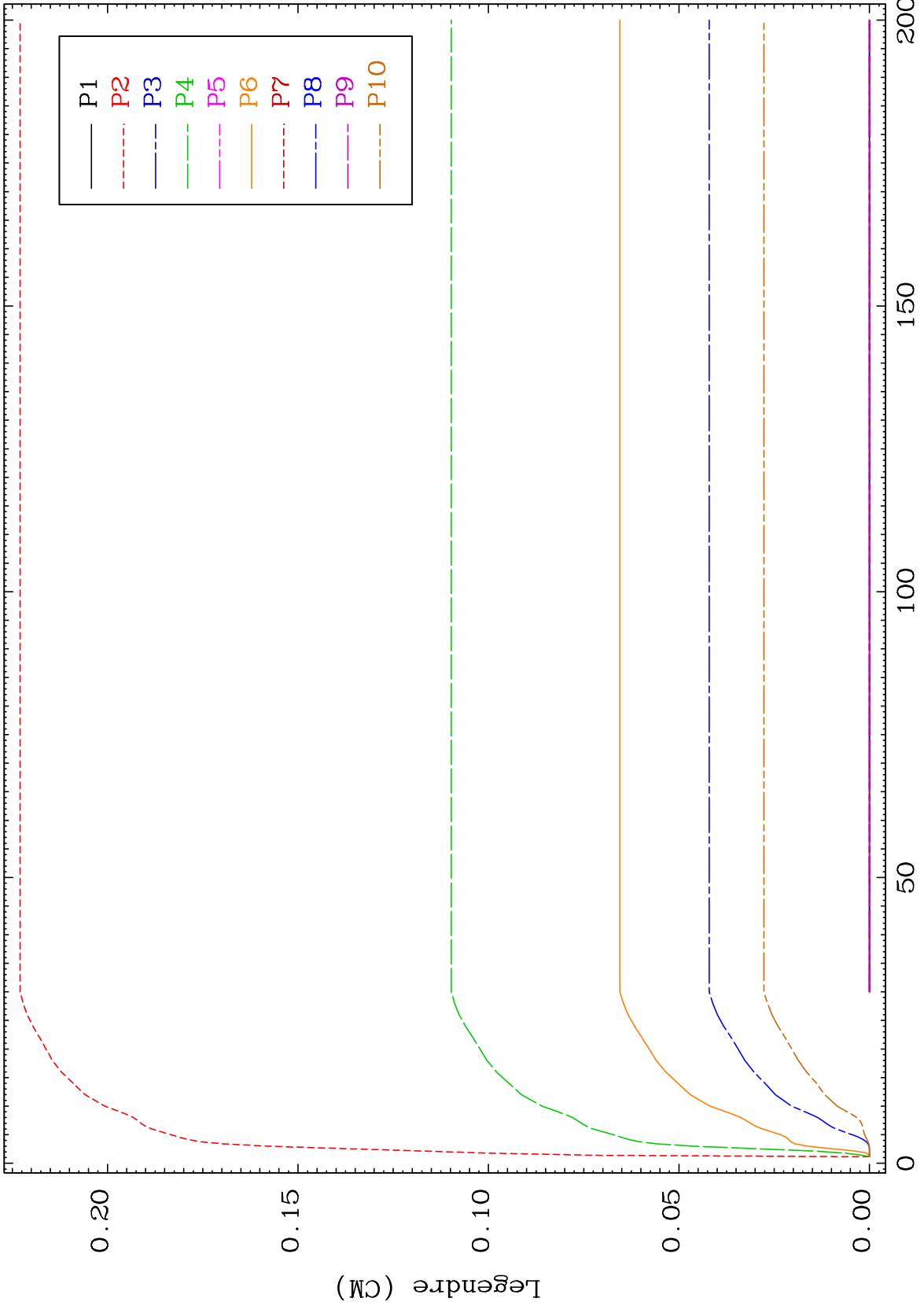


22

84-Po-200

84-Po-200

MAT 8407 MT= 52 (n,n') Level Legendre Coefficients 84-Po-200

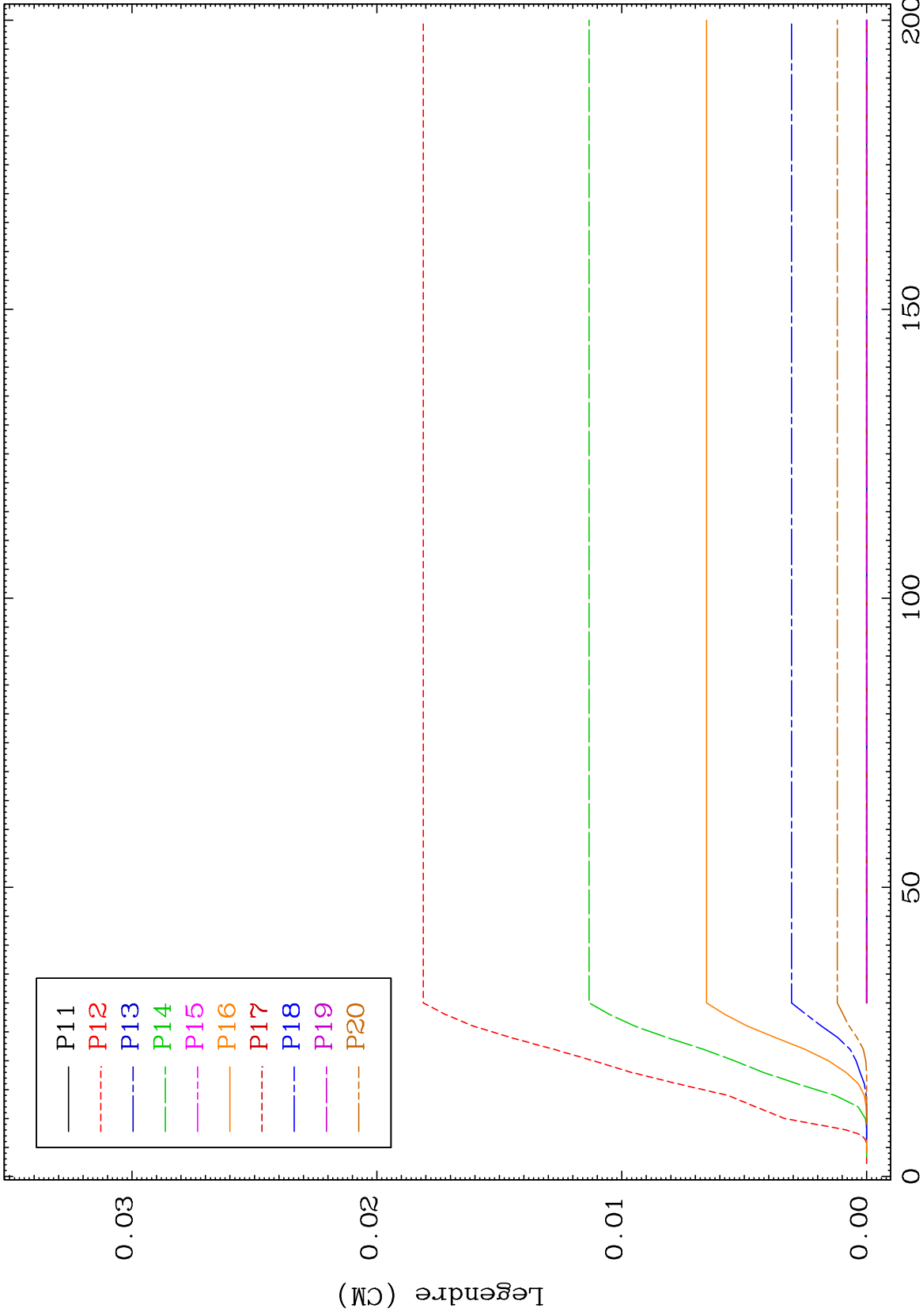


84-Po-200

MAT 8407

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

84-Po-200

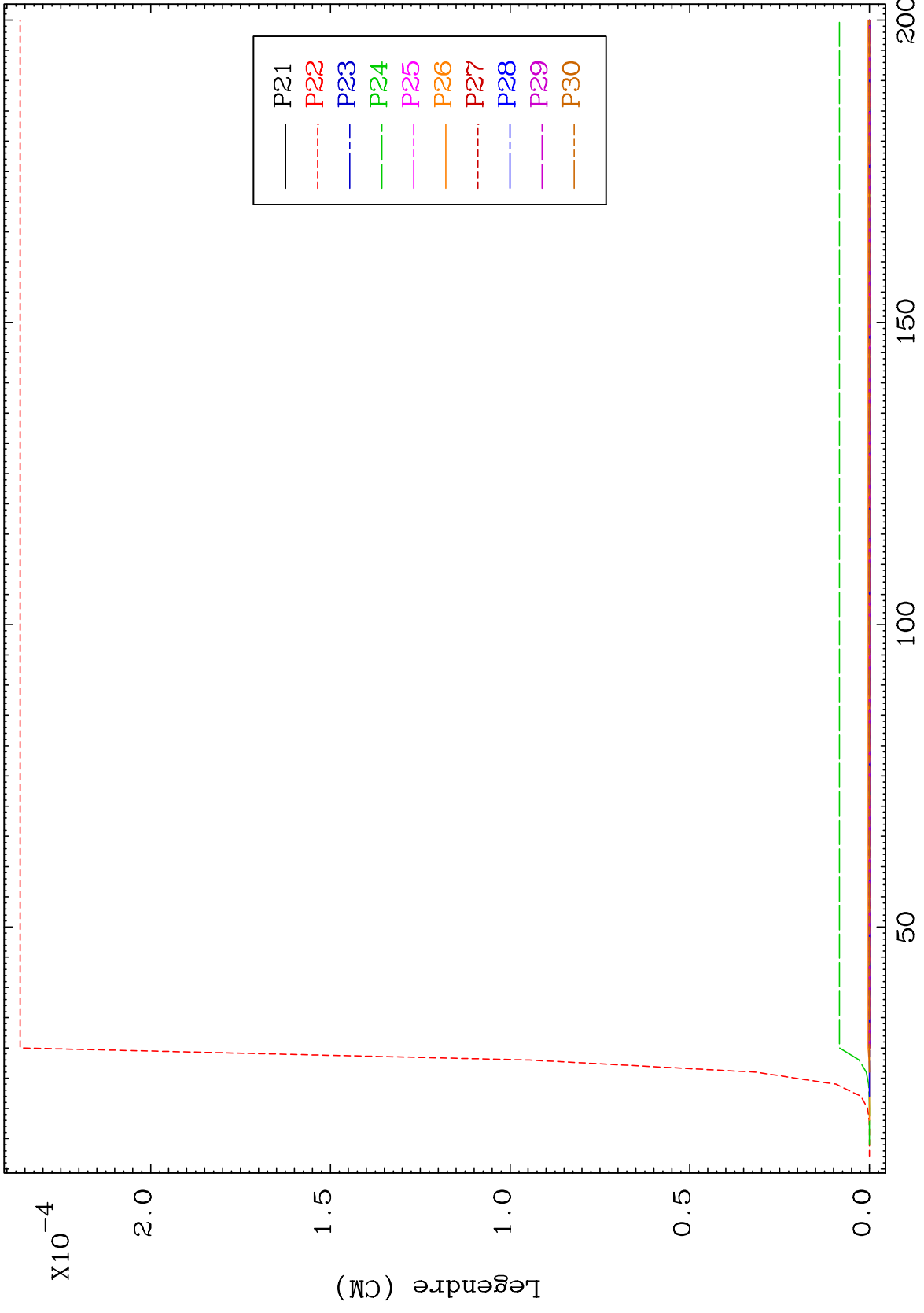


24

Incident Energy (MeV)

84-Po-200

MAT 8407 MT= 52 (n,n') Level Legendre Coefficients 84-Po-200

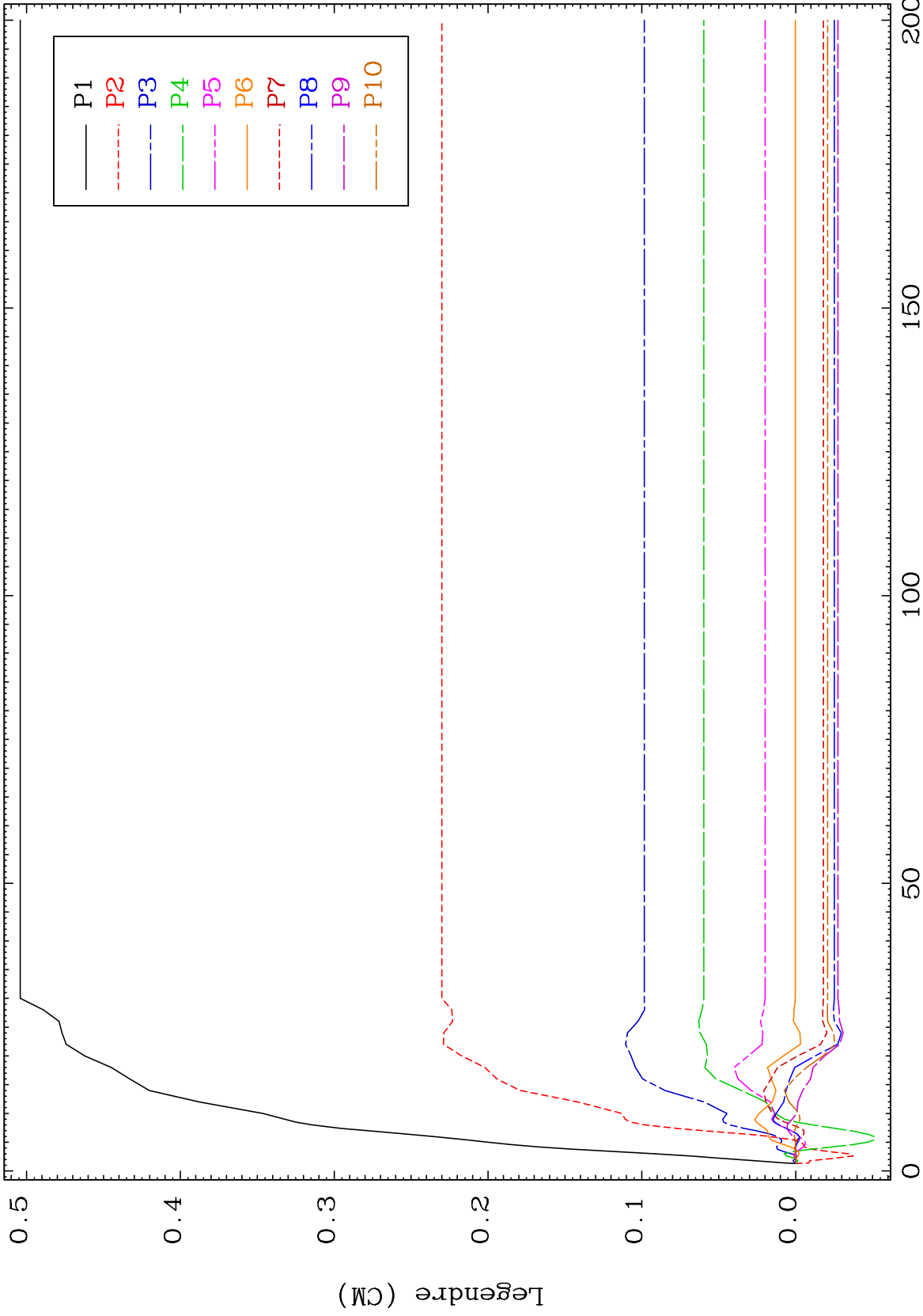


84-Po-200

MAT 8407

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

84-Po-200



26

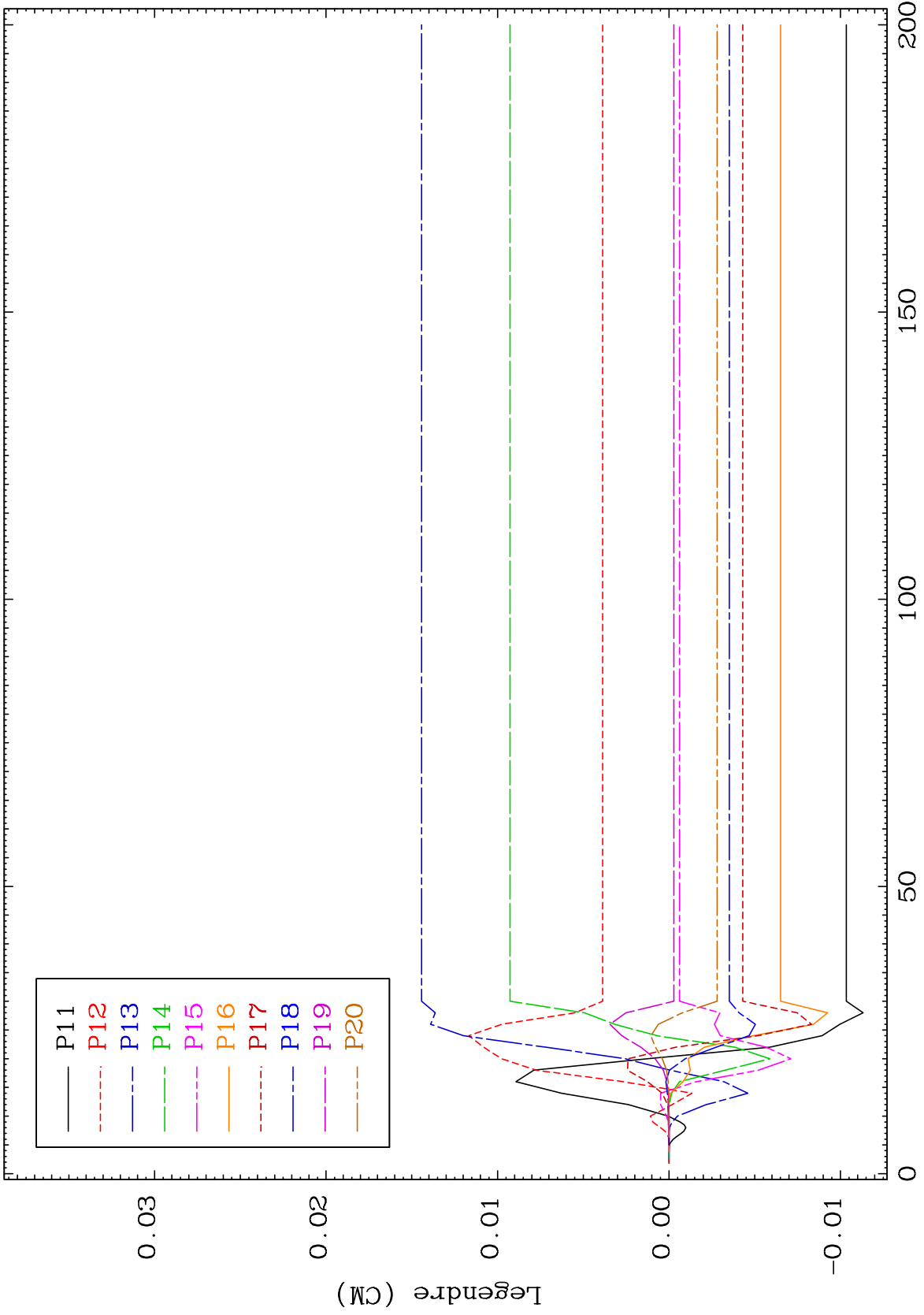
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



27

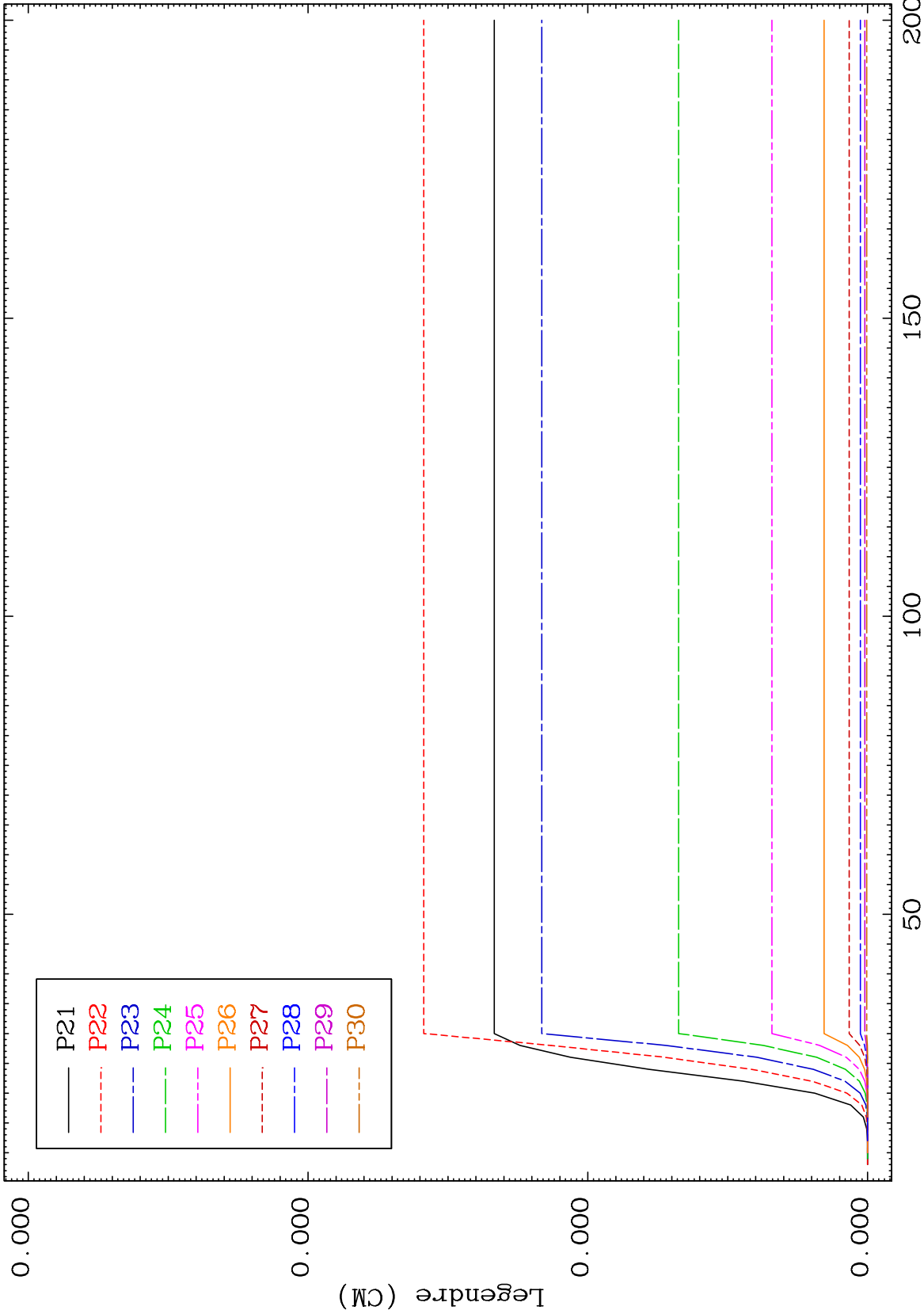
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



28

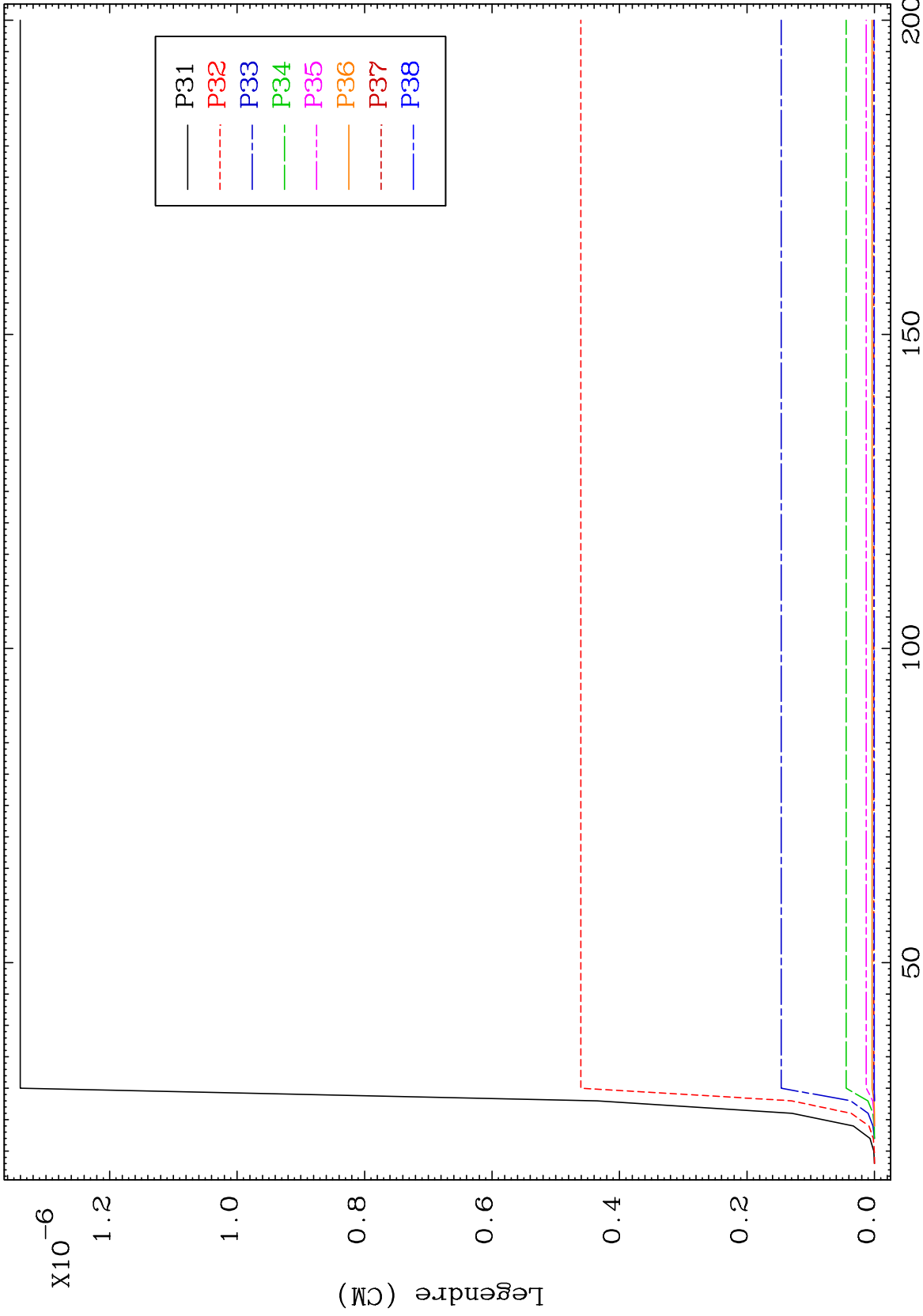
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



29

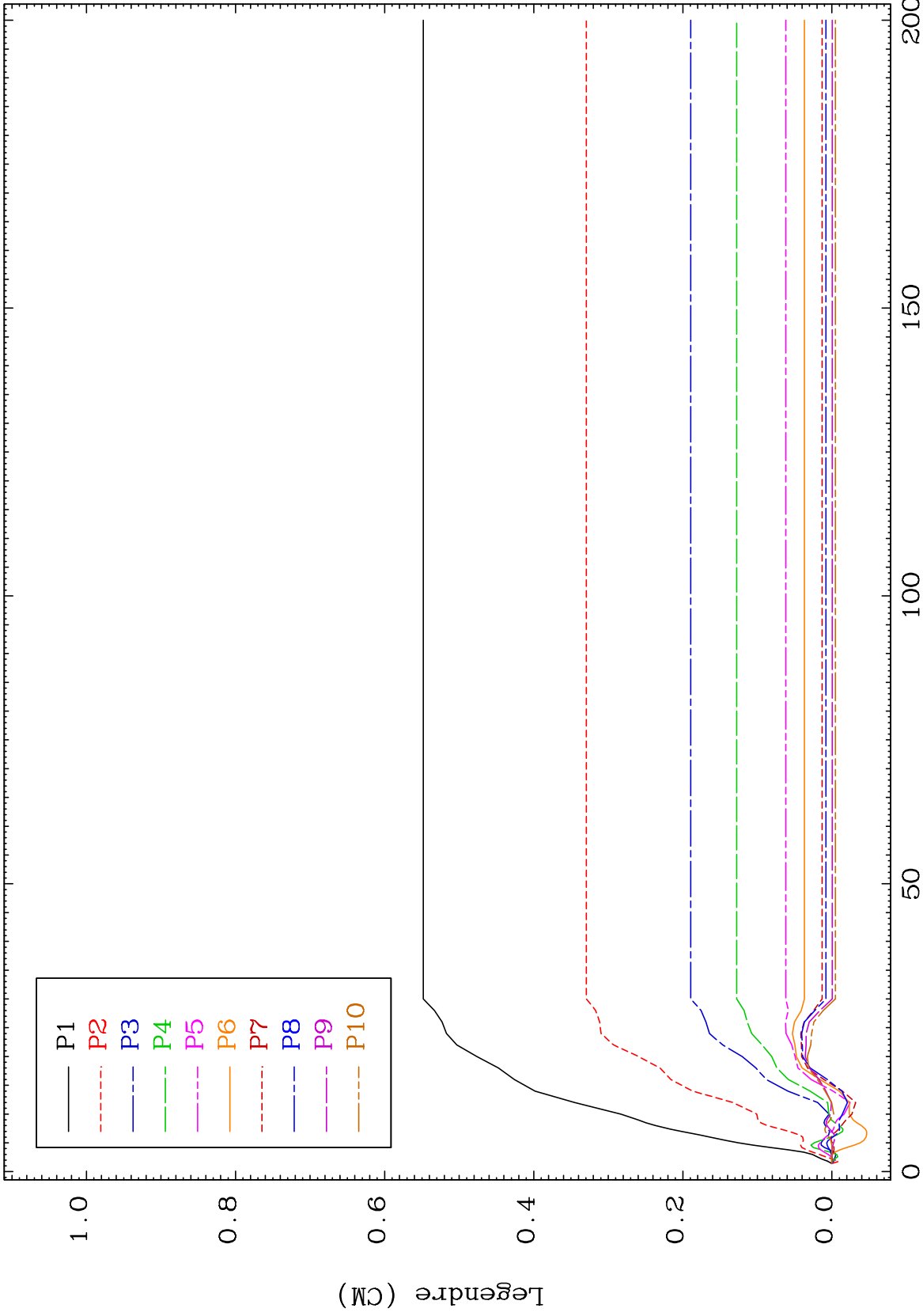
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



84-Po-200

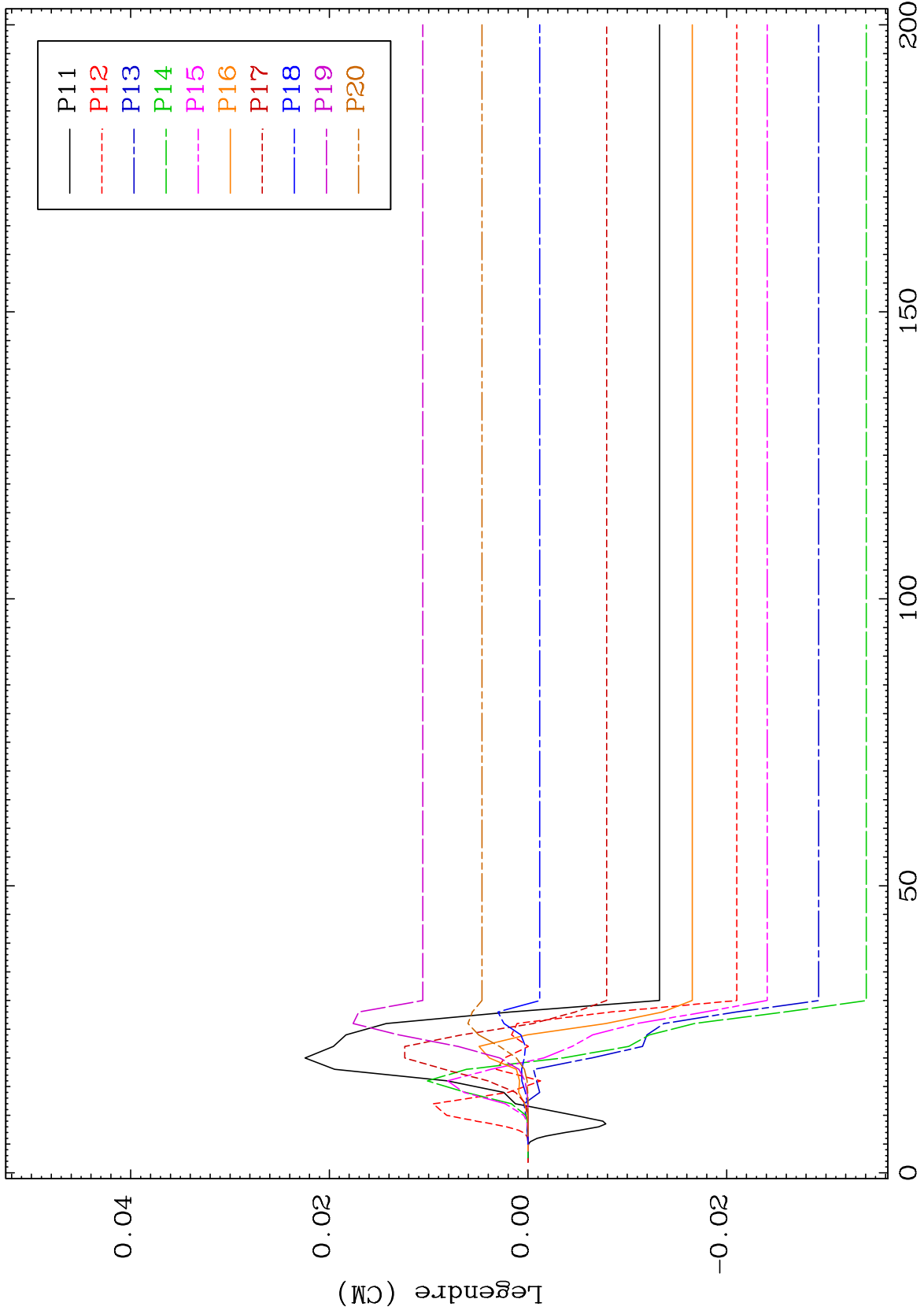
Incident Energy (MeV)

30

MAT 8407

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

84-Po-200



31

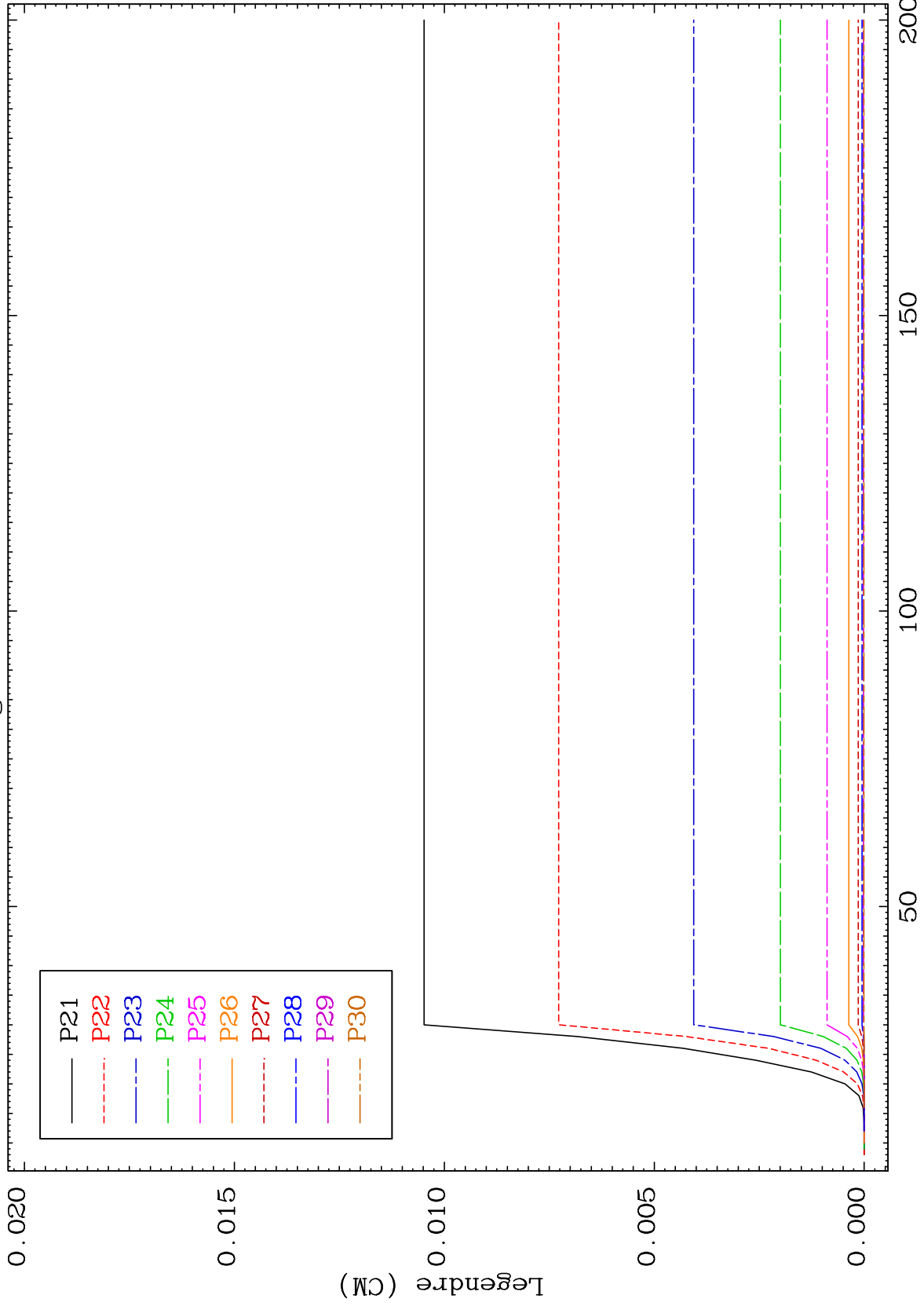
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



32

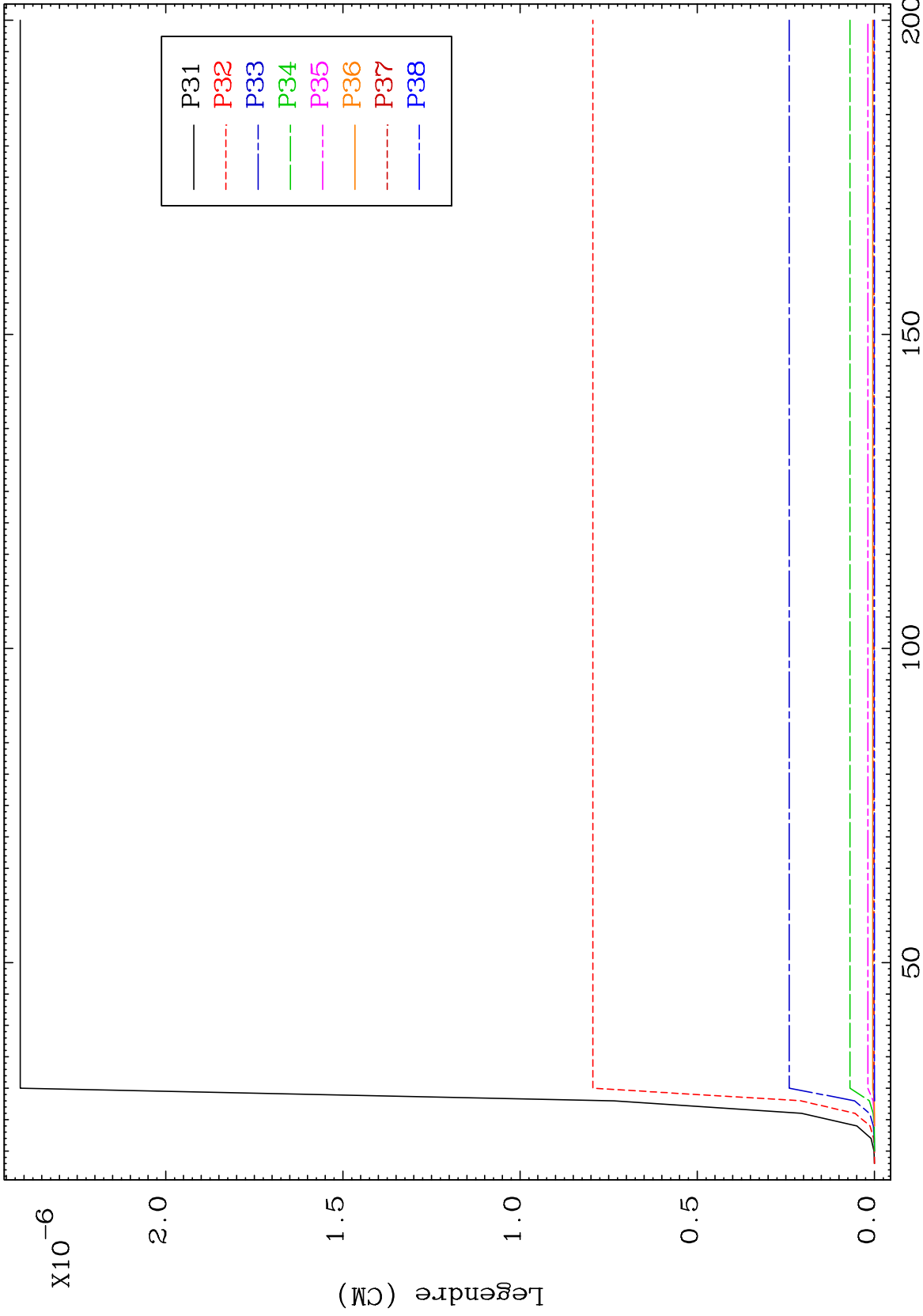
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



33

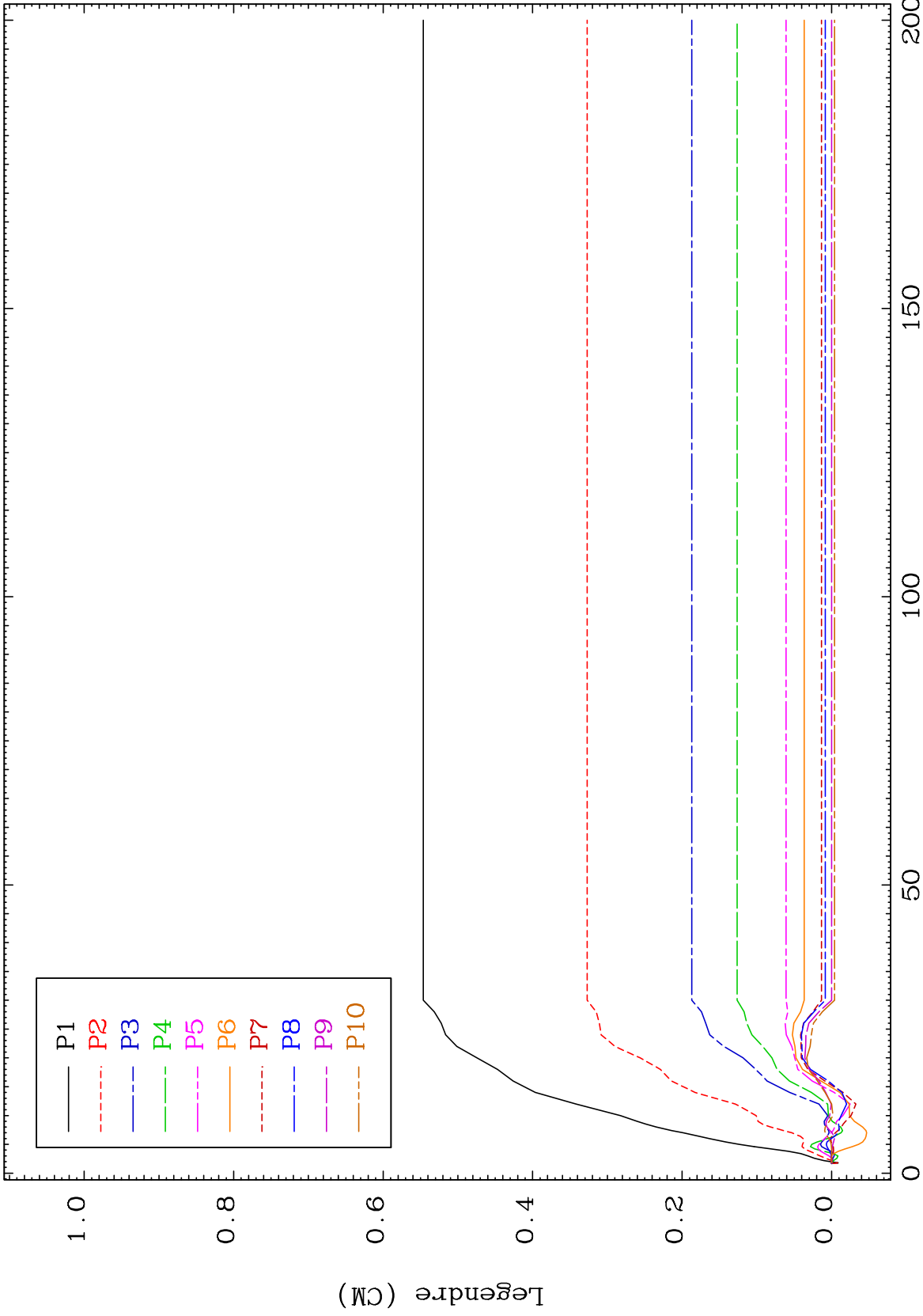
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



34

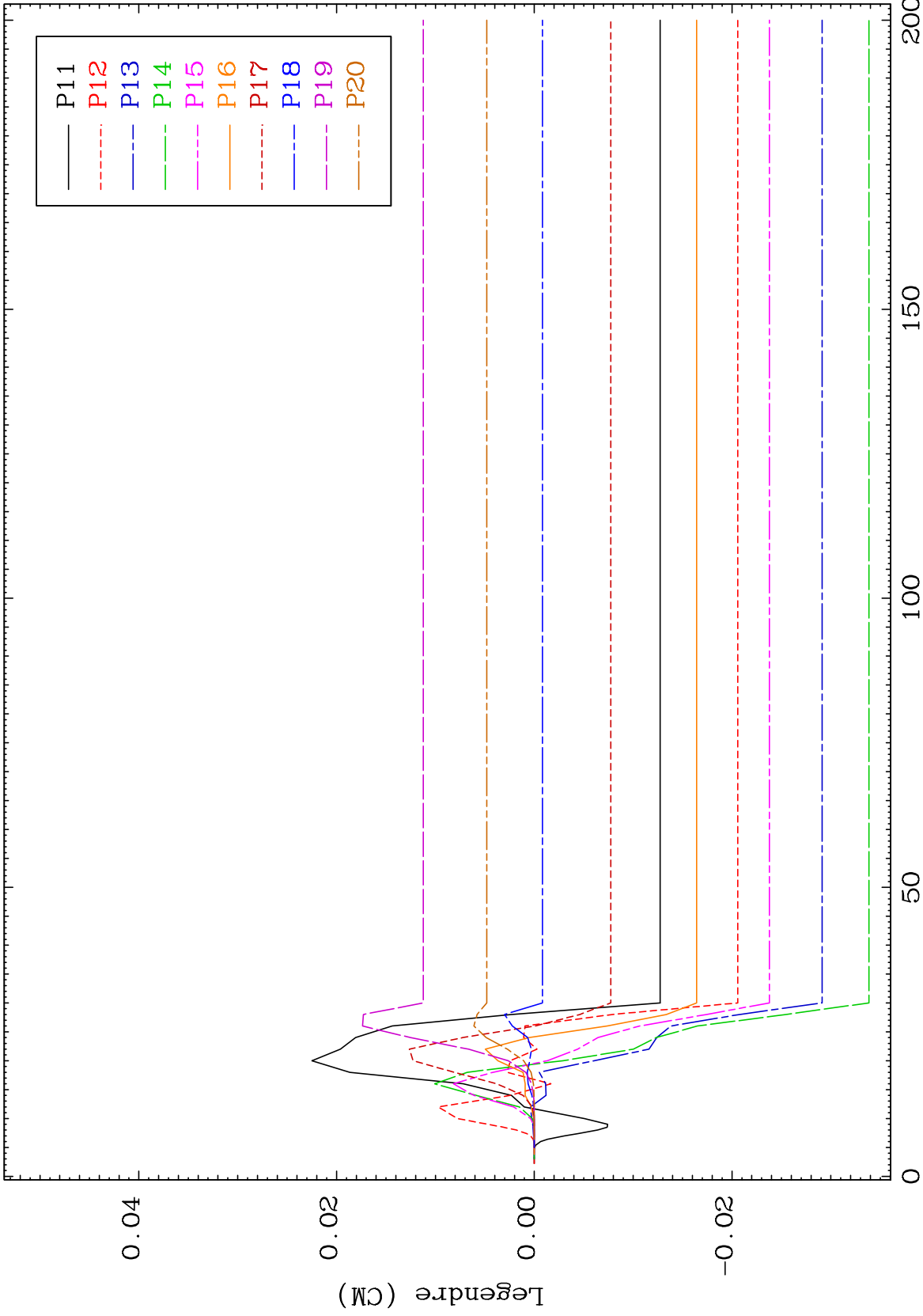
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



35

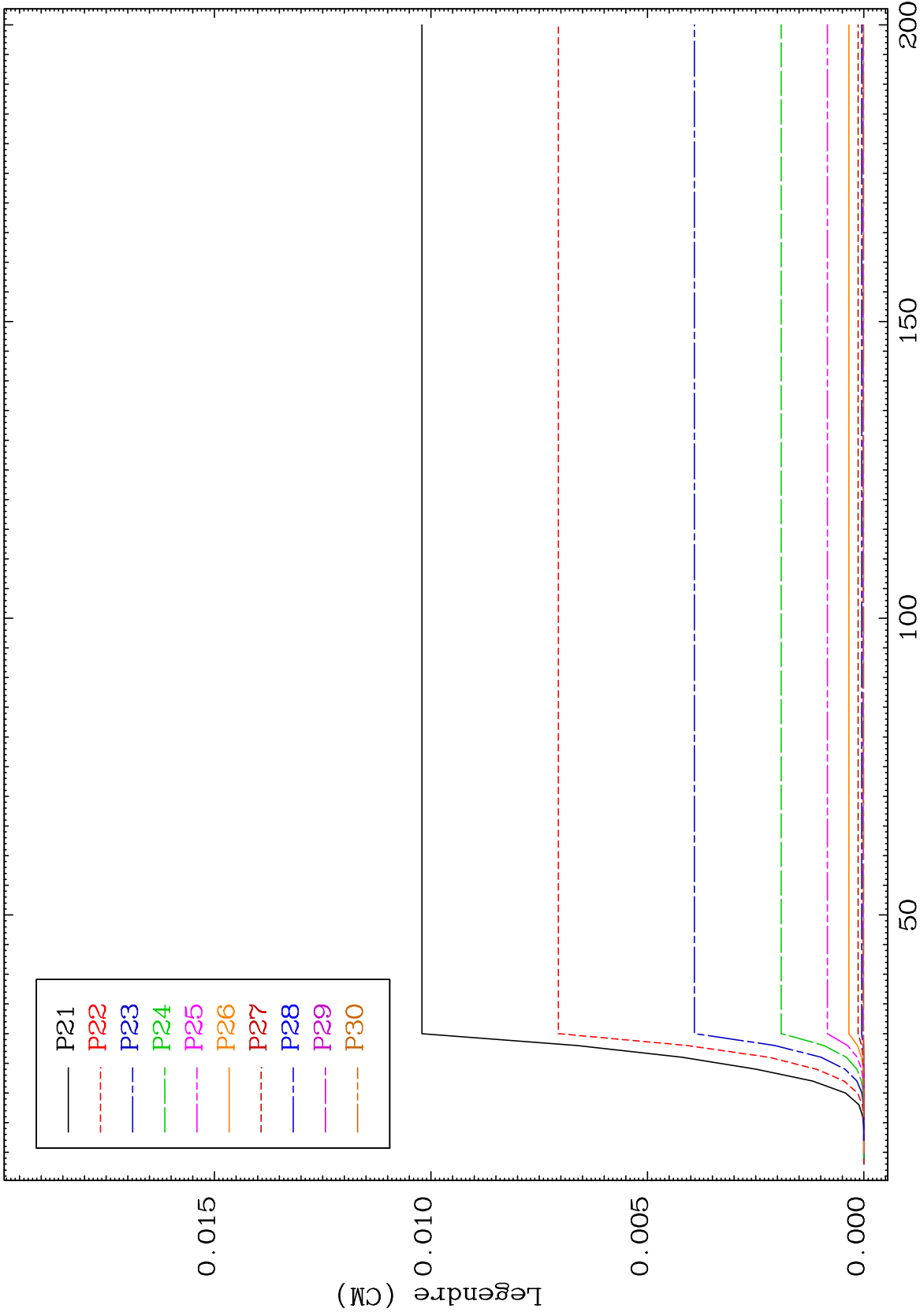
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



36

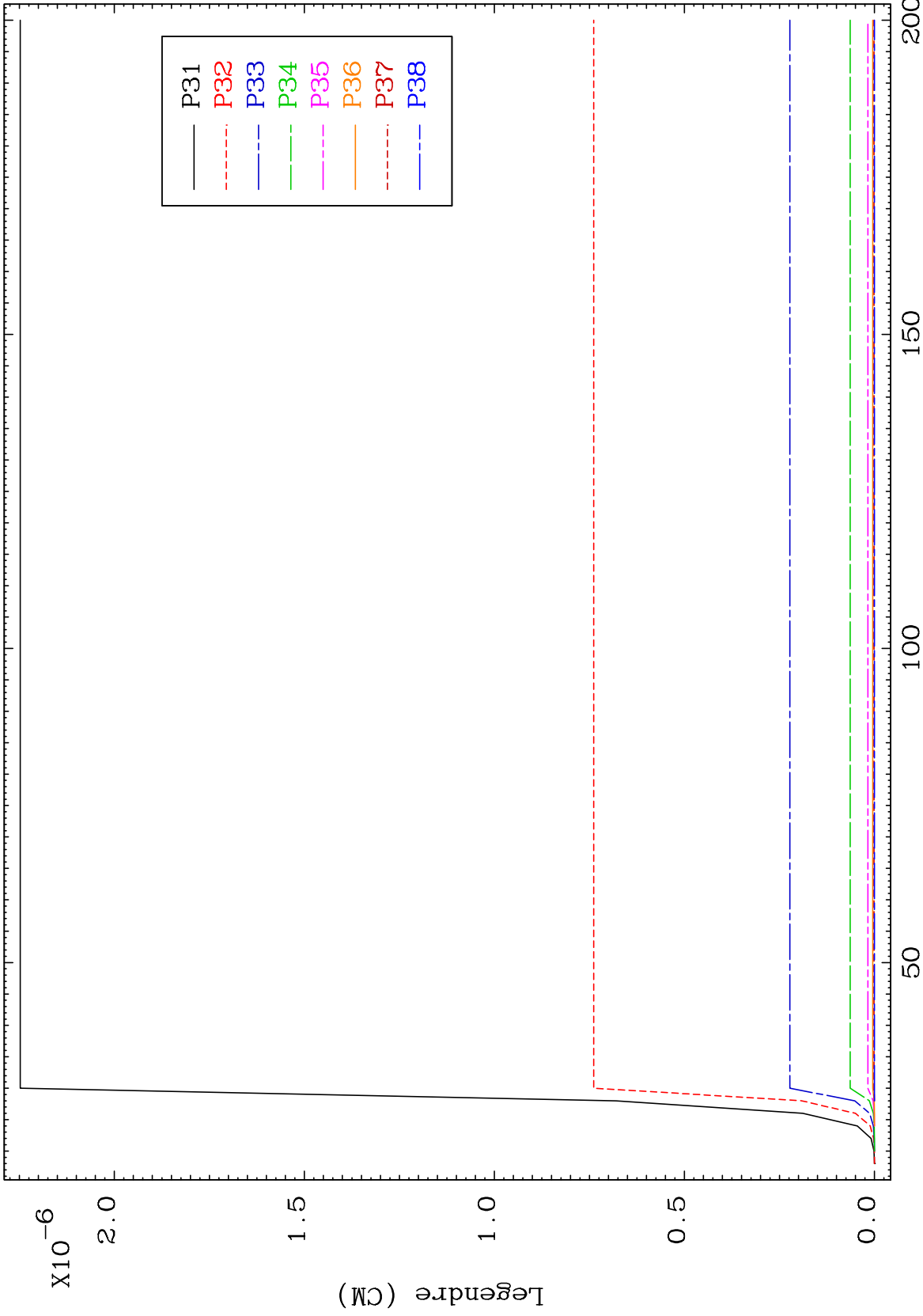
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



37

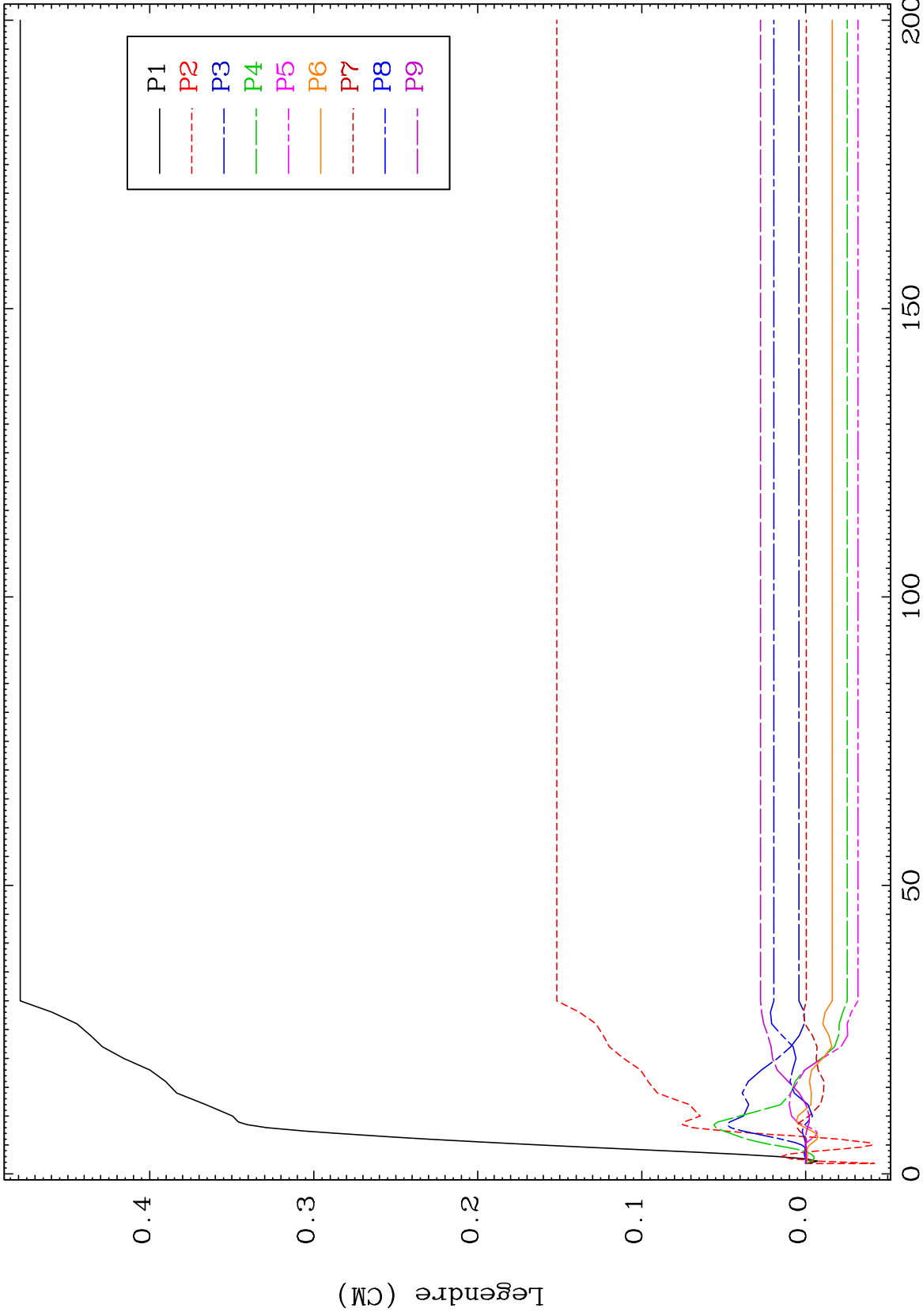
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



38

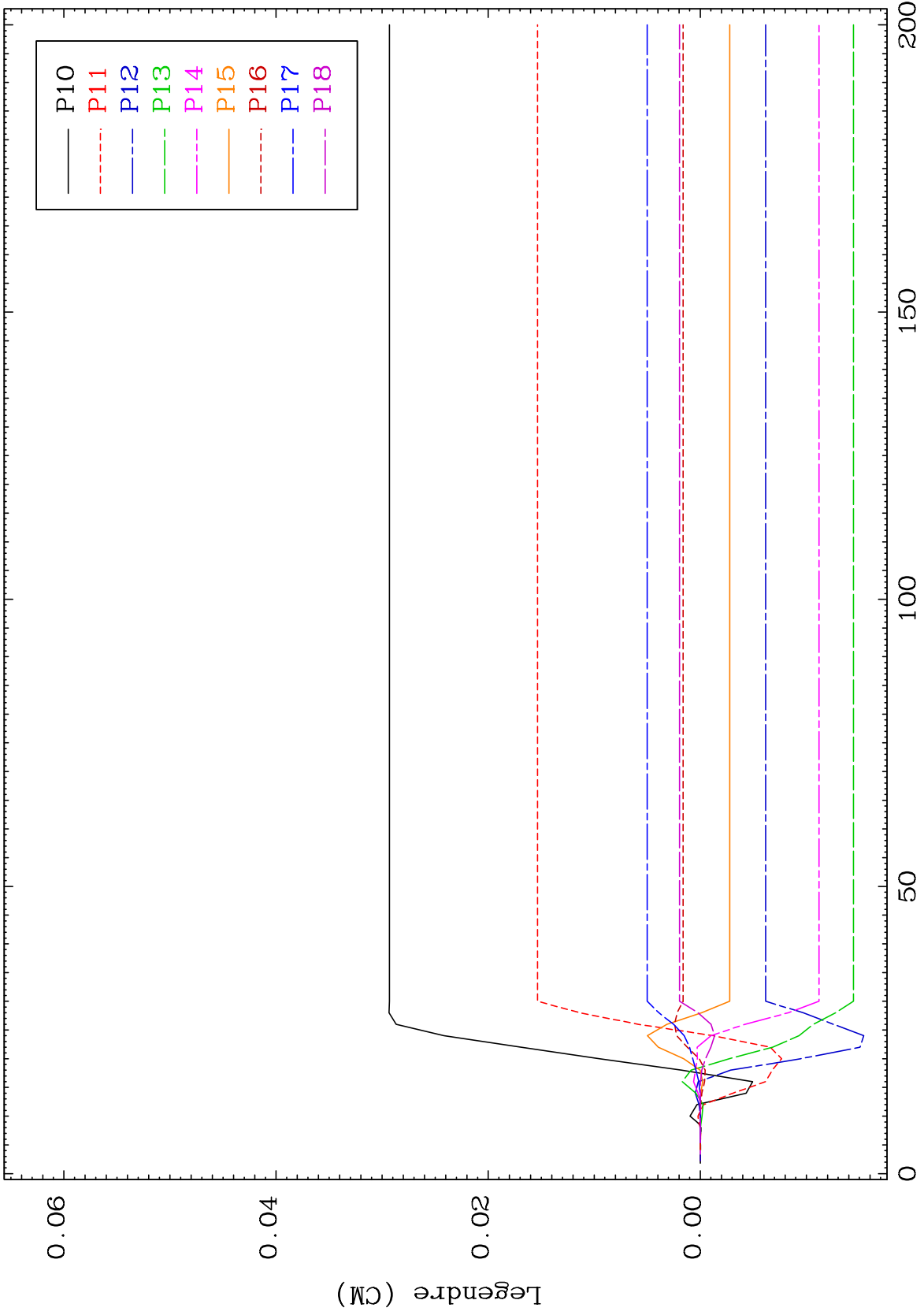
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



39

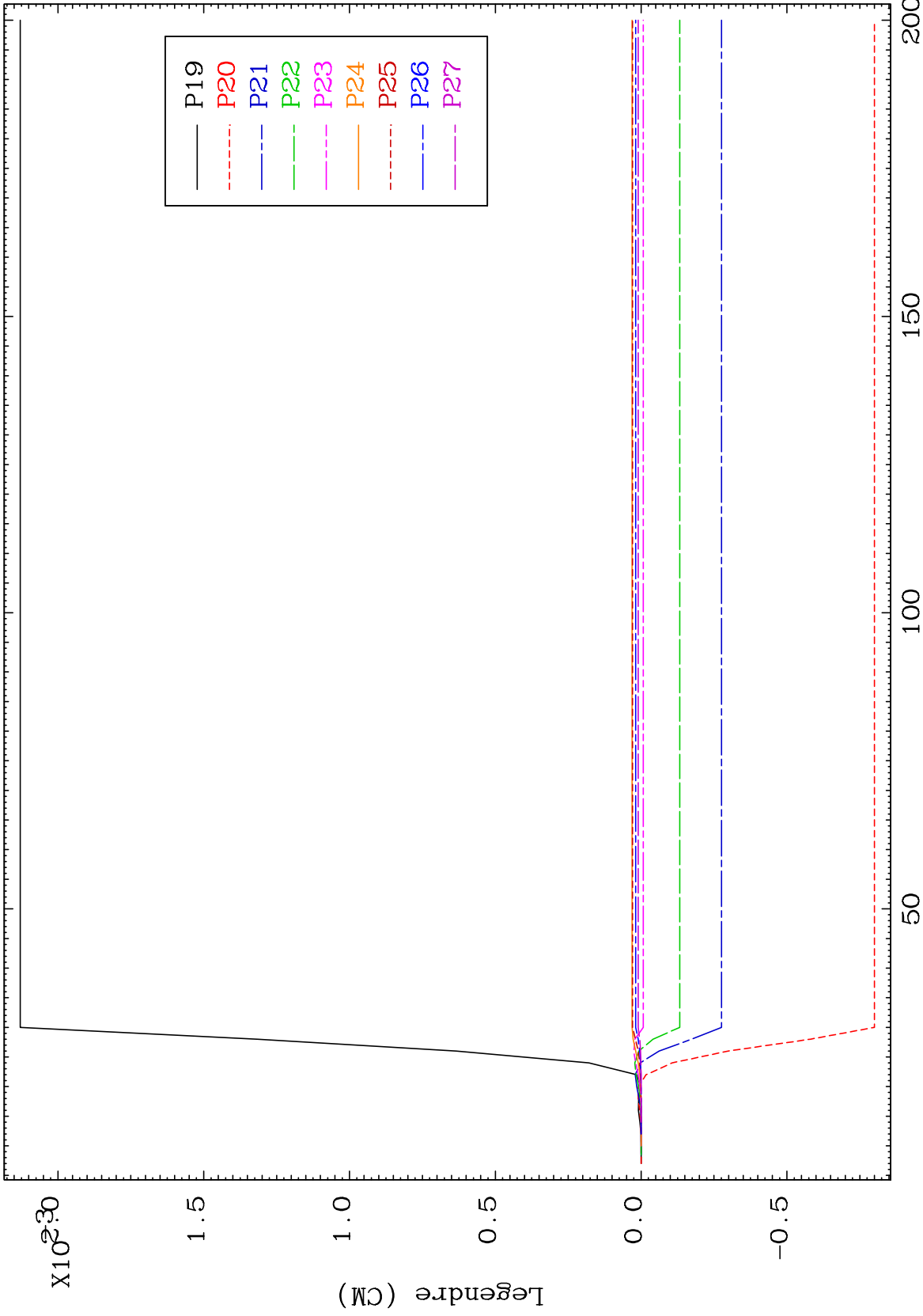
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



40

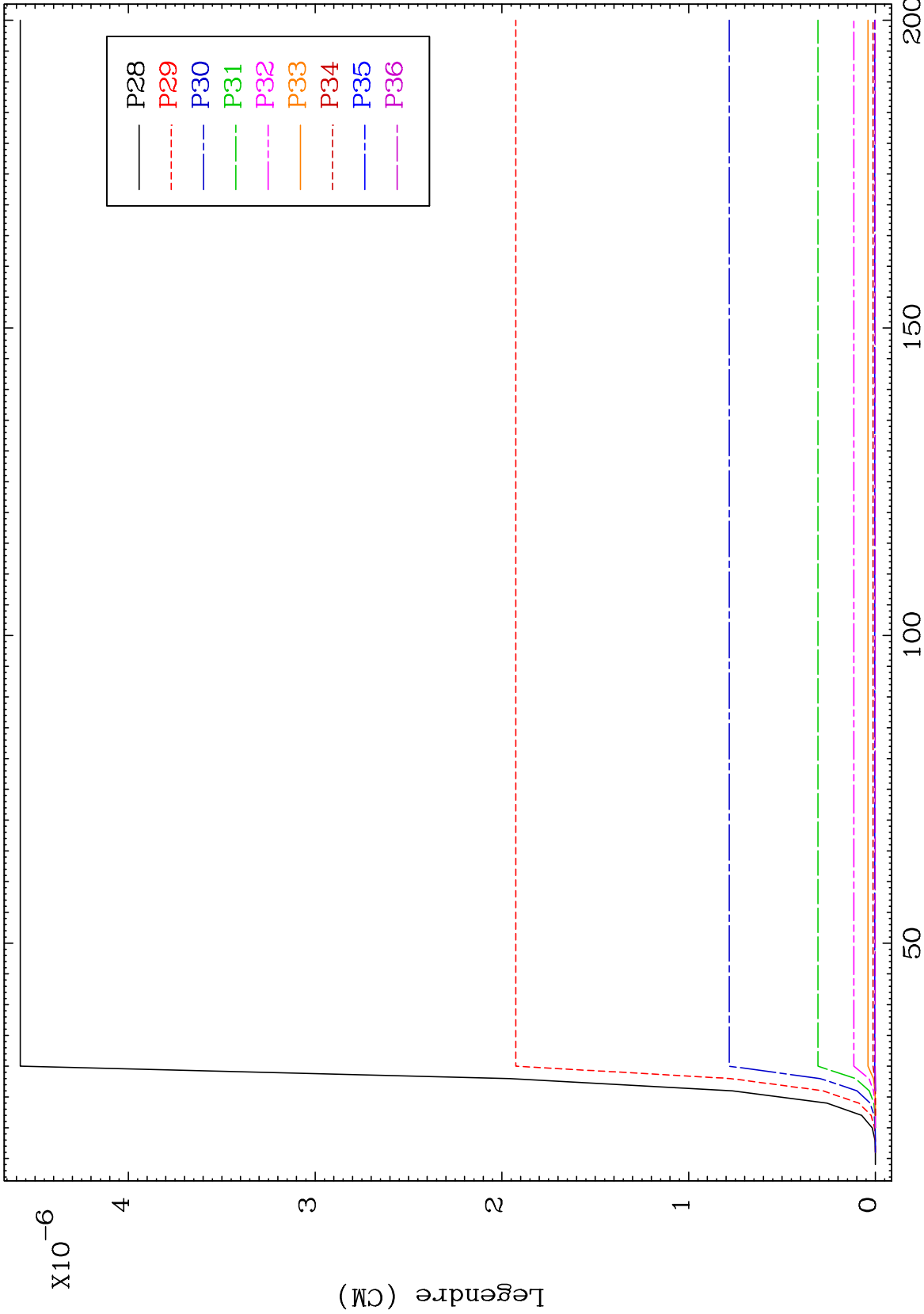
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



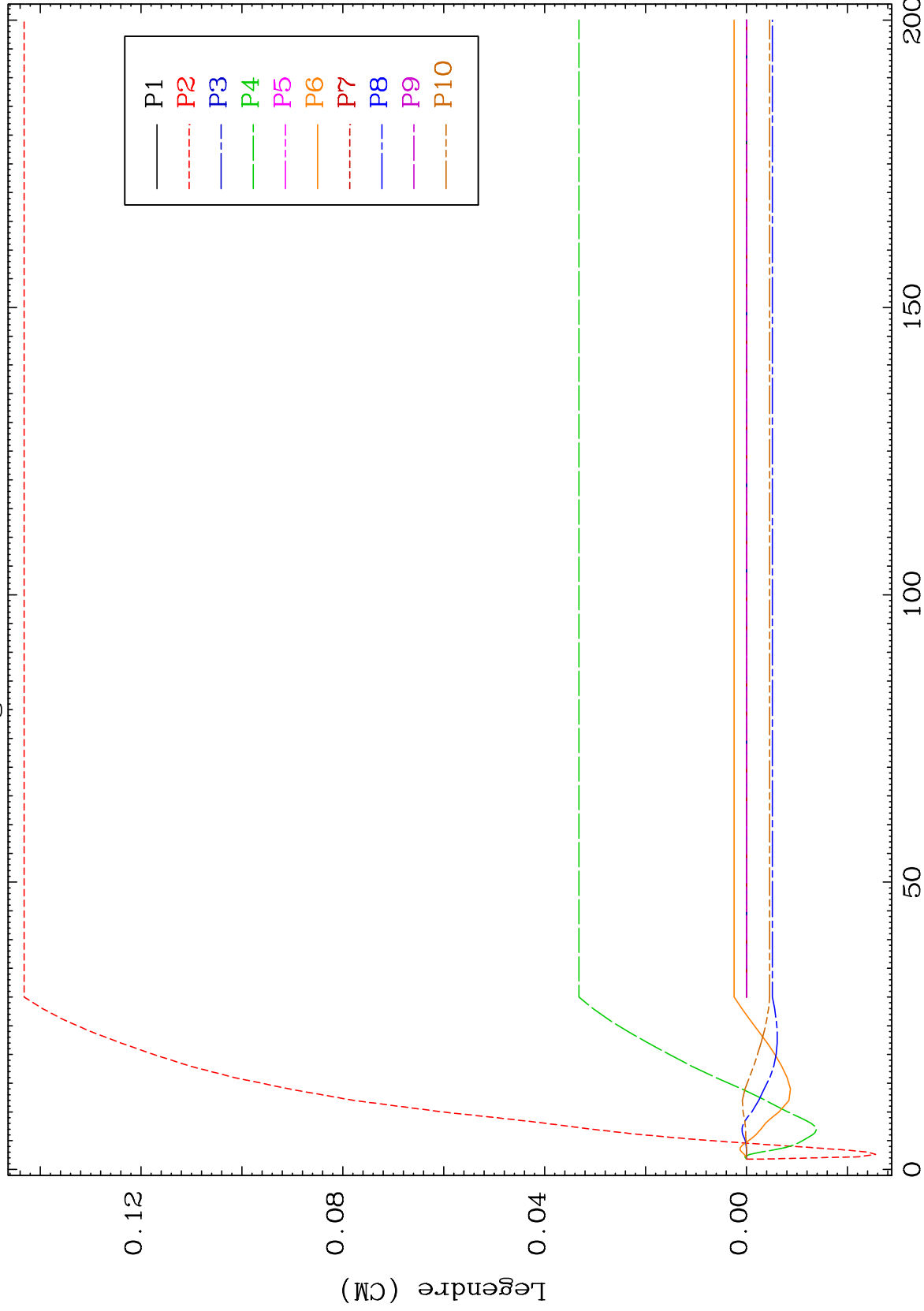
41

84-Po-200

MAT 8407

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

84-Po-200



42

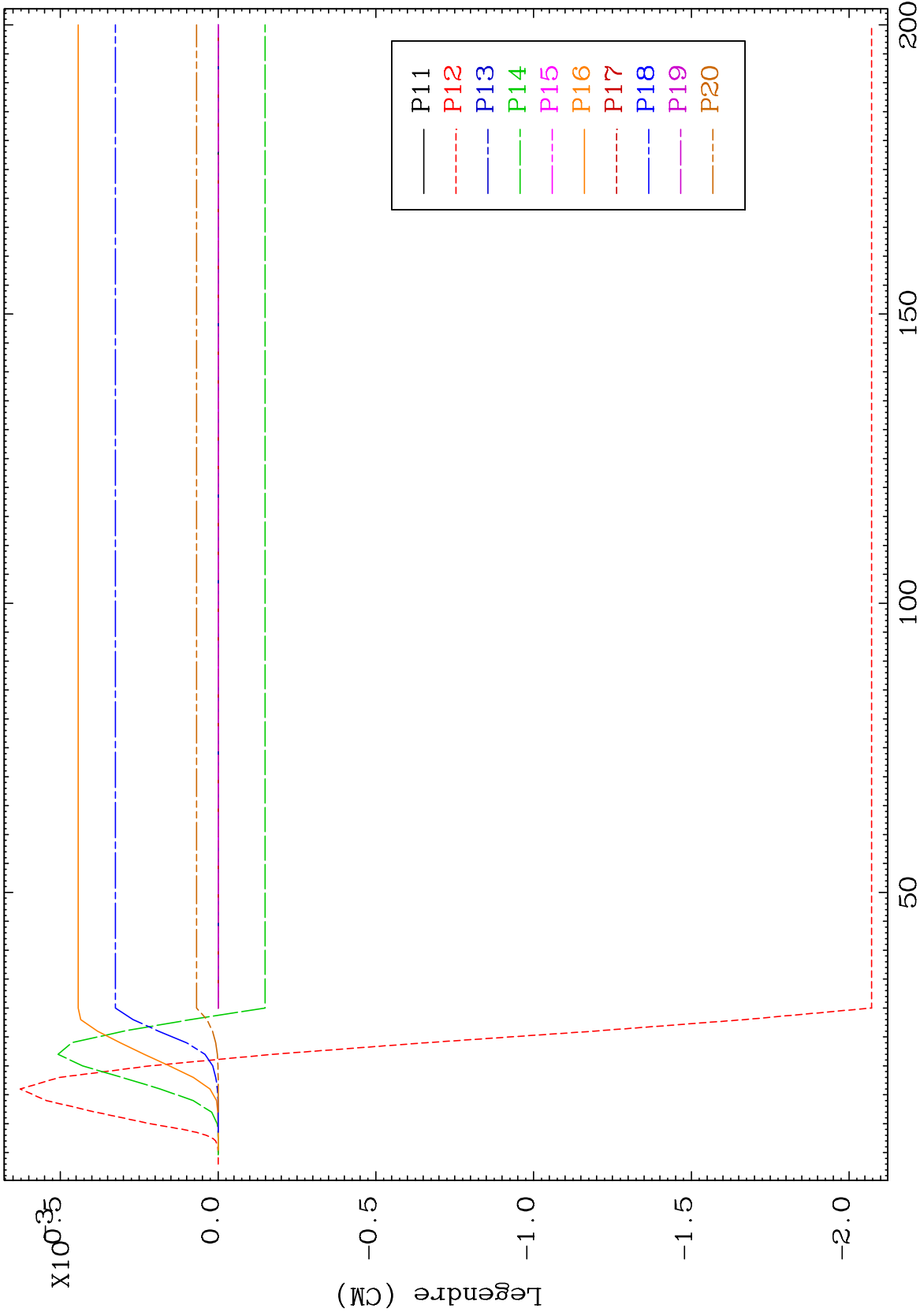
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



43

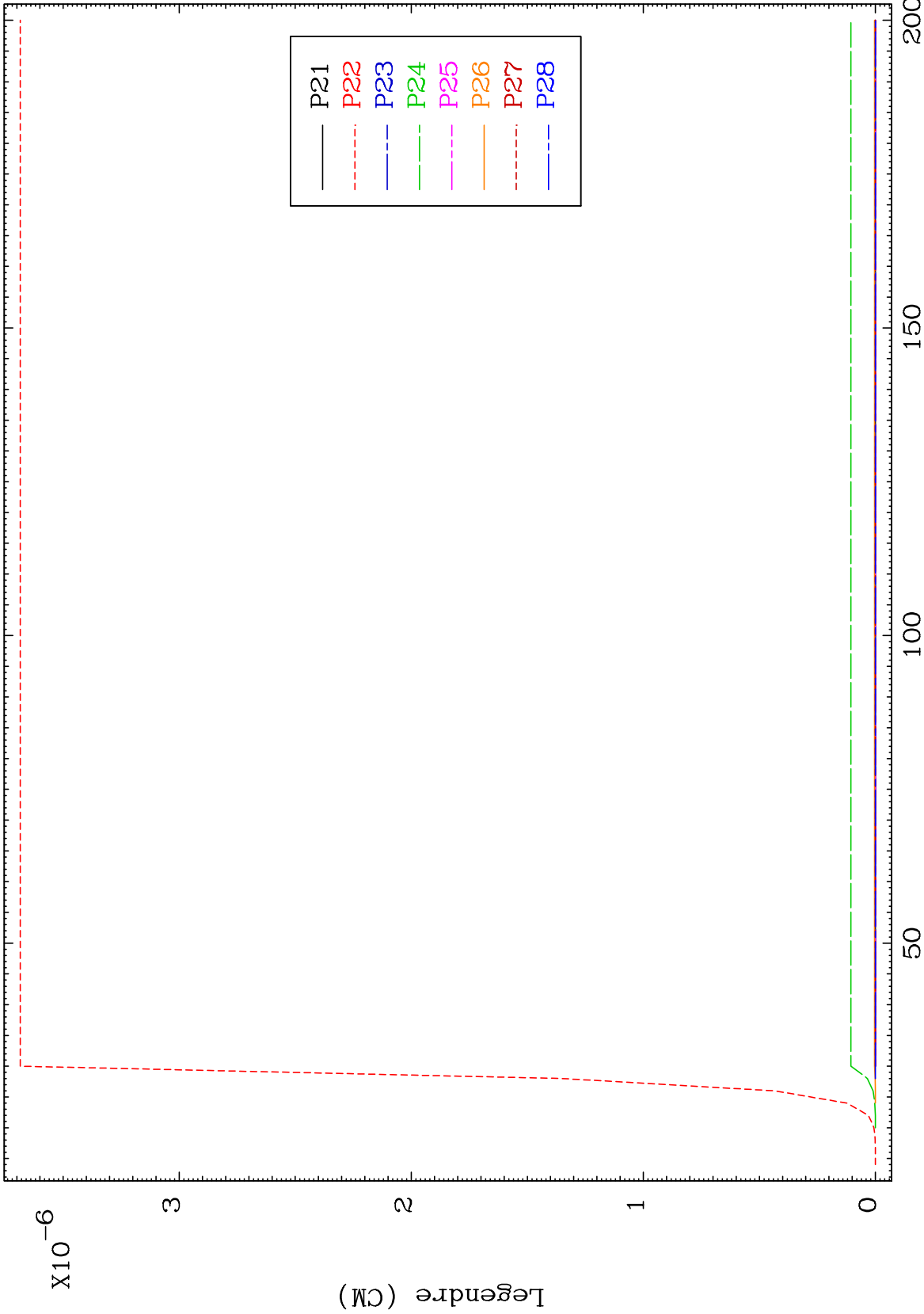
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



44

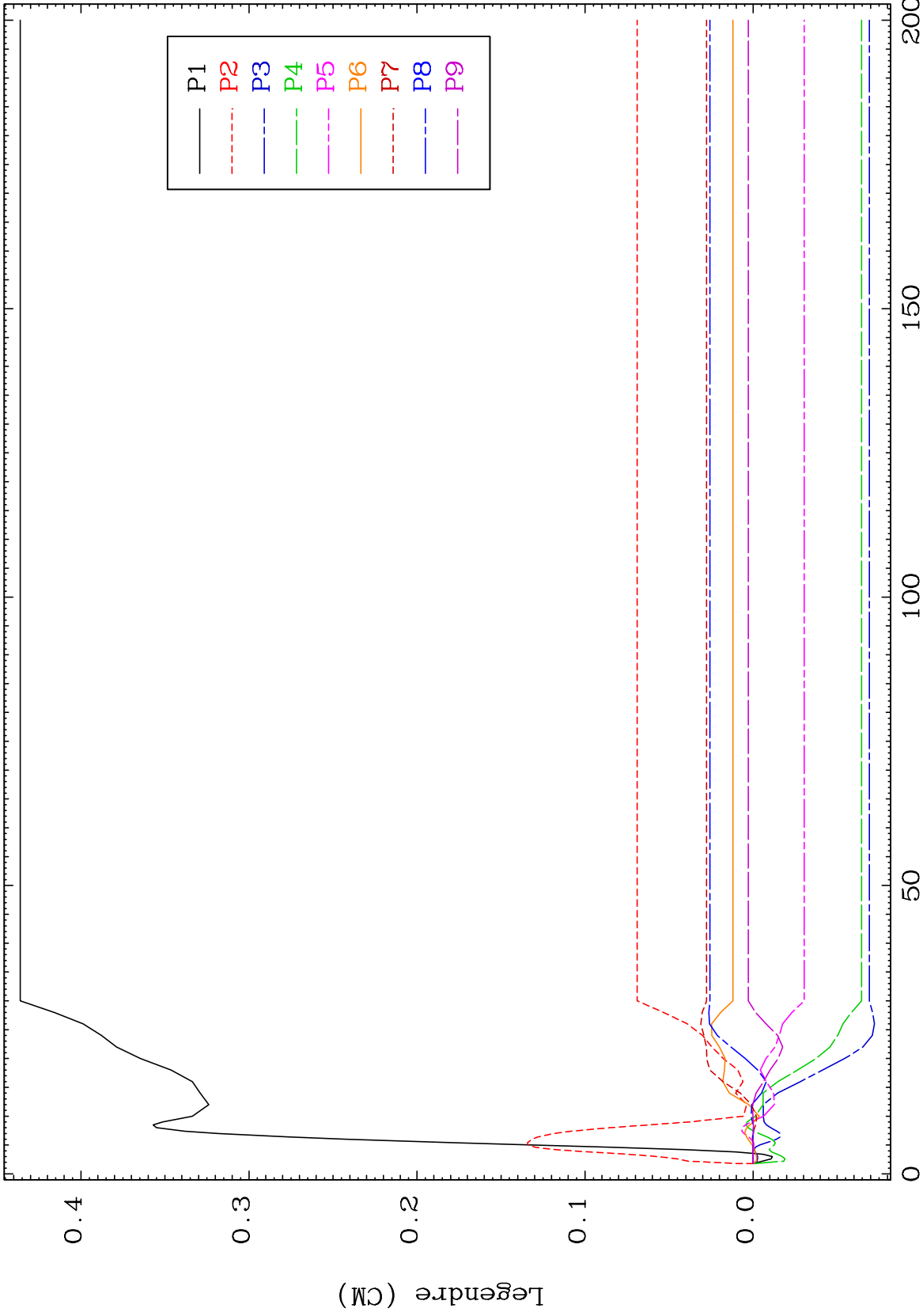
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



45

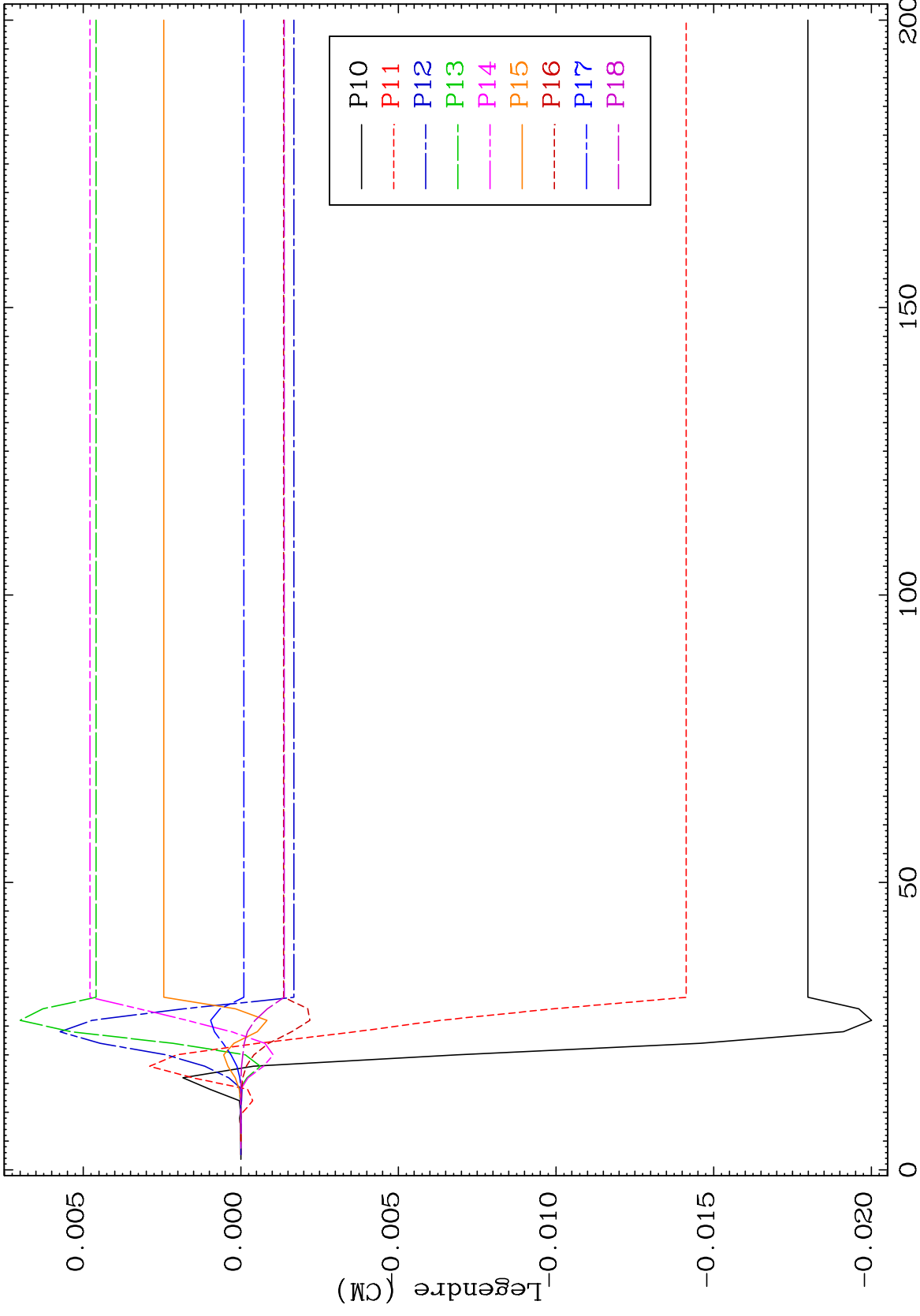
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



46

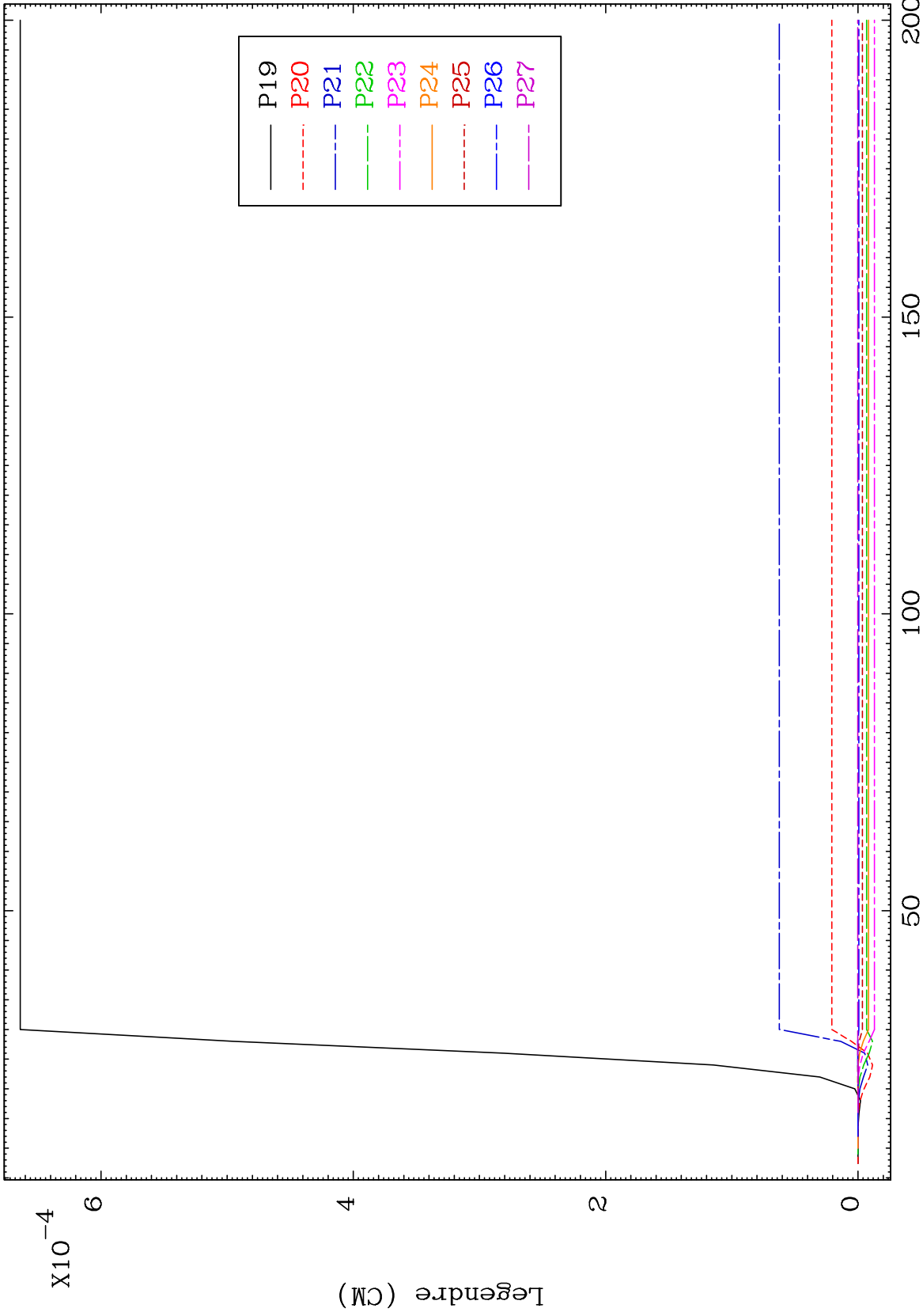
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



47

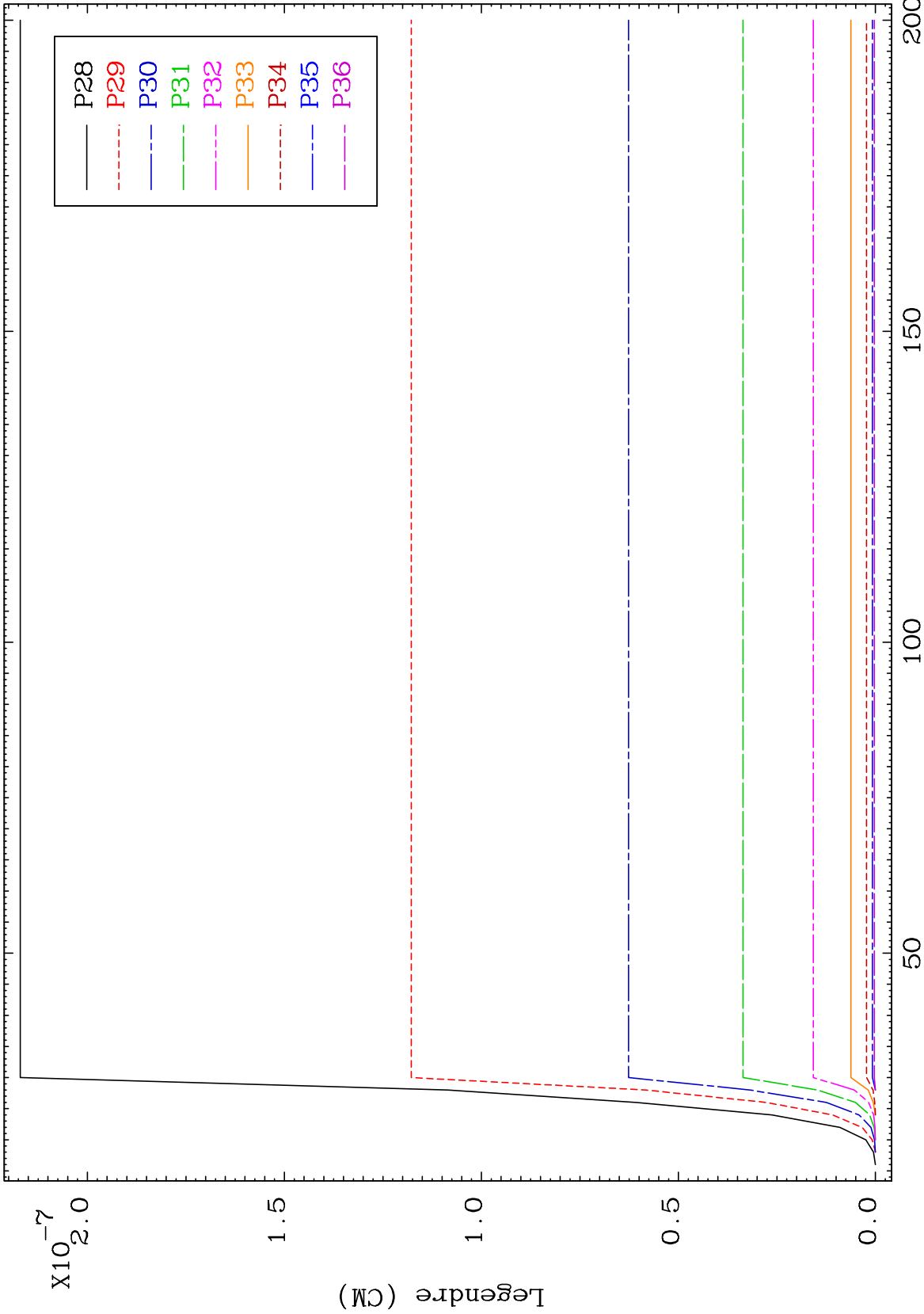
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200

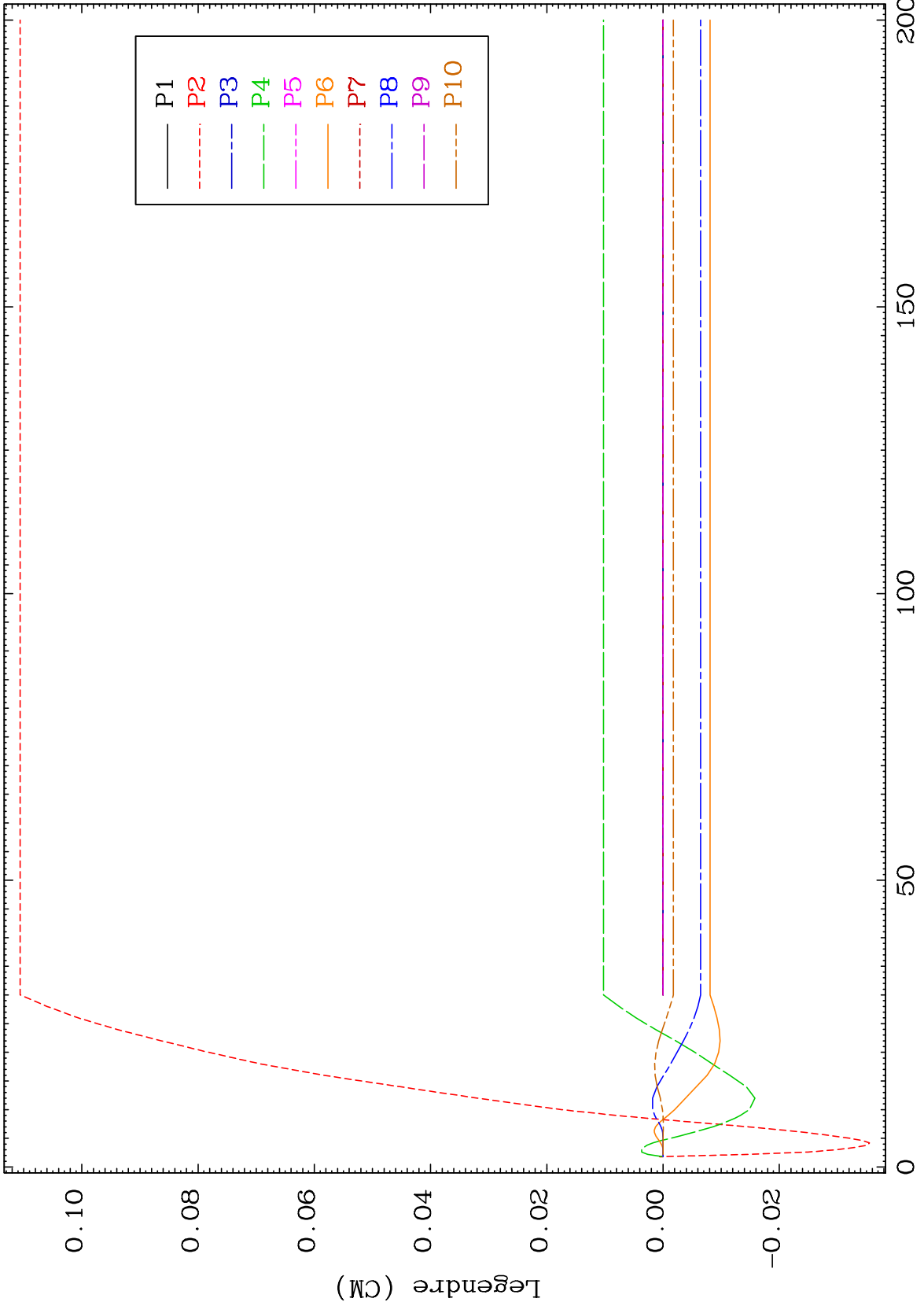


48

Incident Energy (MeV)

84-Po-200

MAT 8407 MT= 59 (n,n') Level Legendre Coefficients 84-Po-200

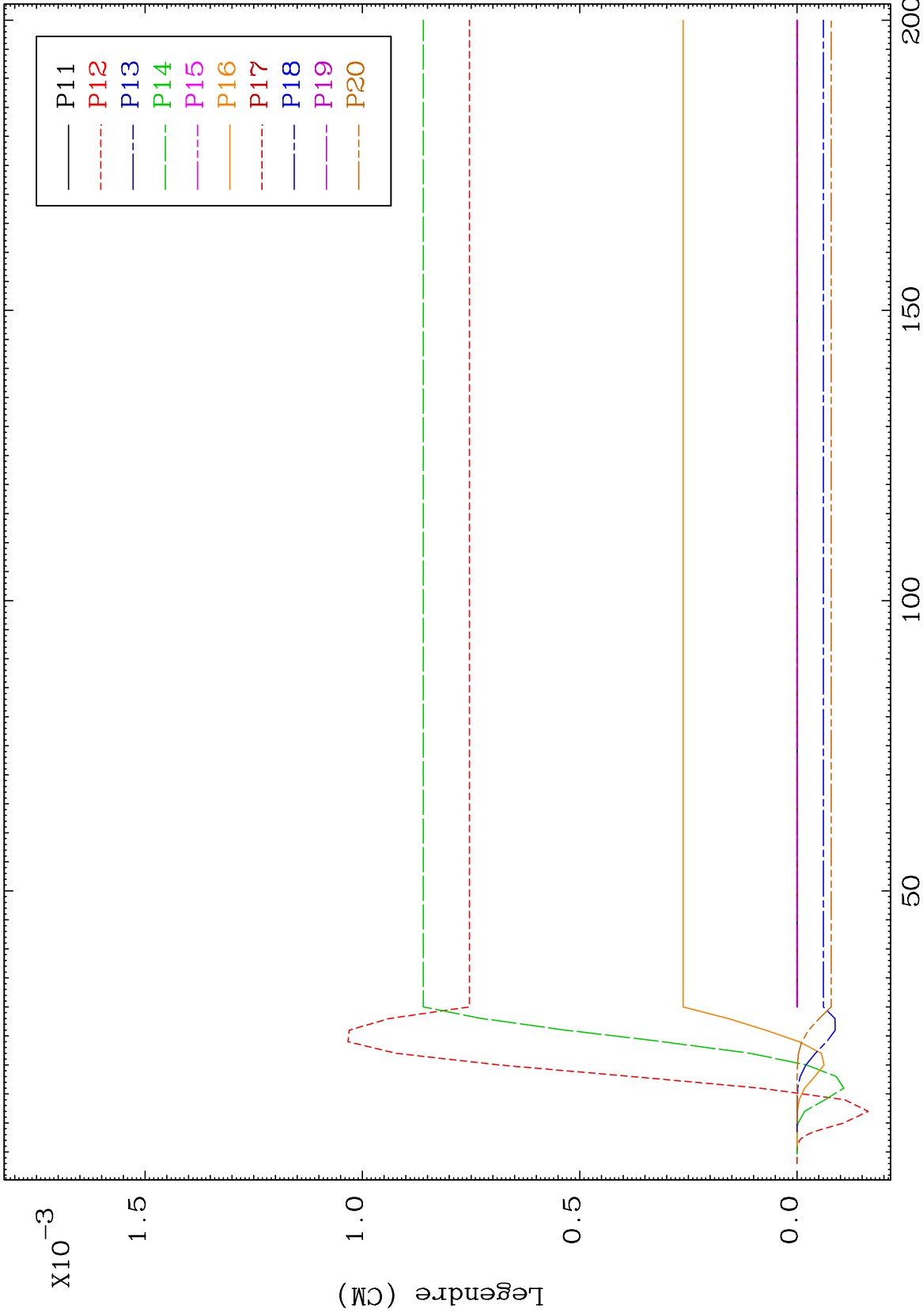


49 84-Po-200

MAT 8407

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

84-Po-200



50

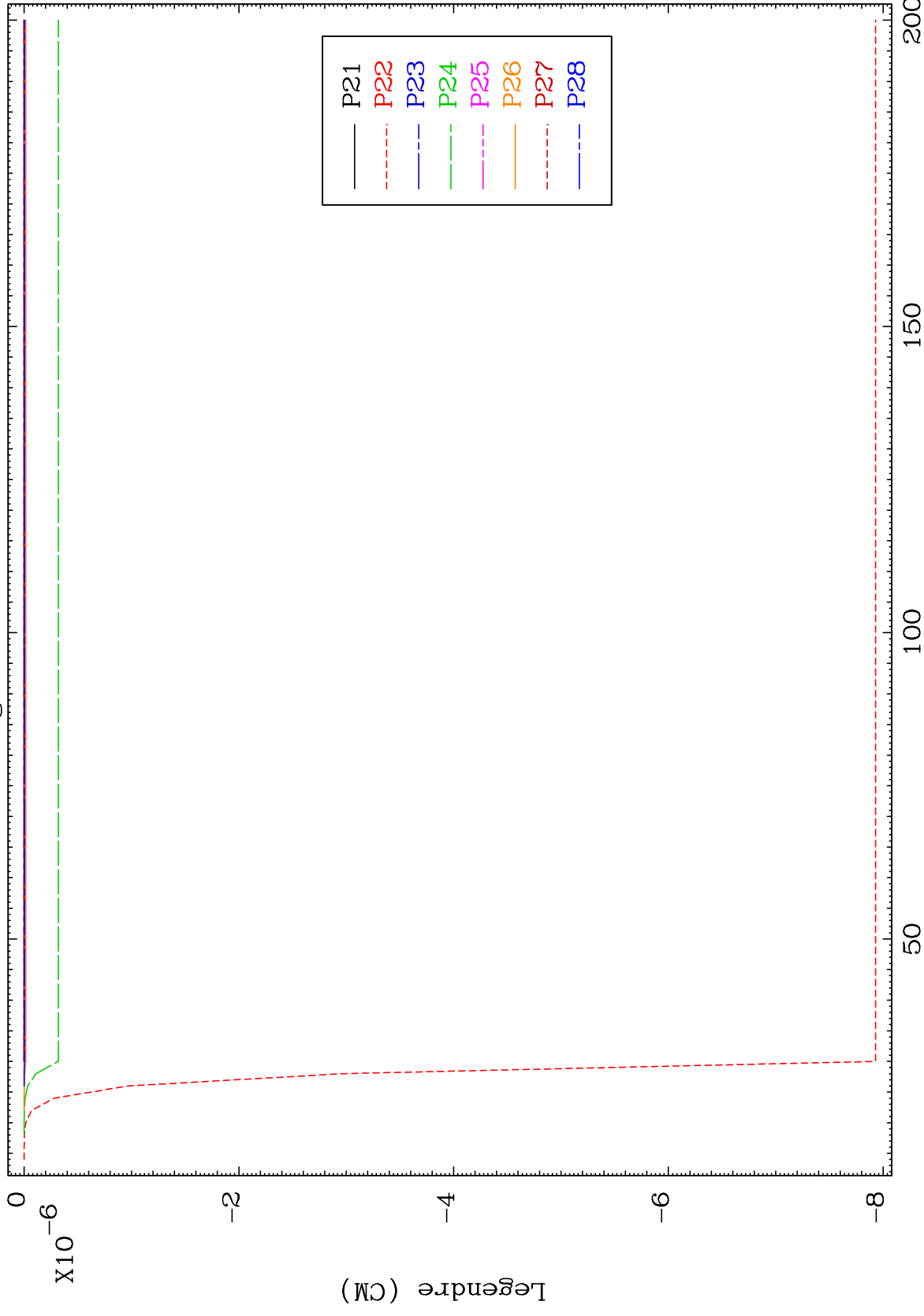
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



84-Po-200

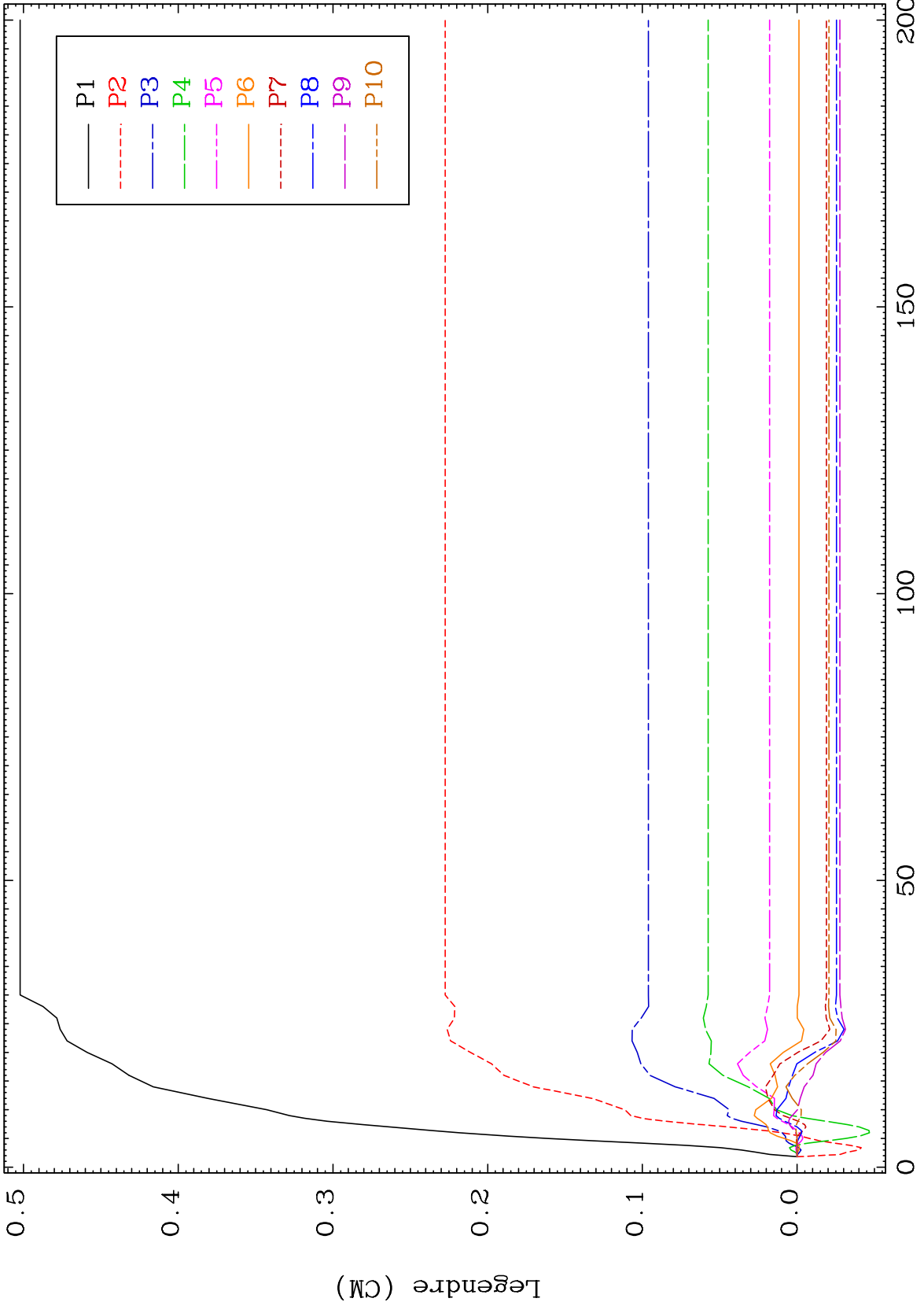
Incident Energy (MeV)

51

MAT 8407

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

84-Po-200



52

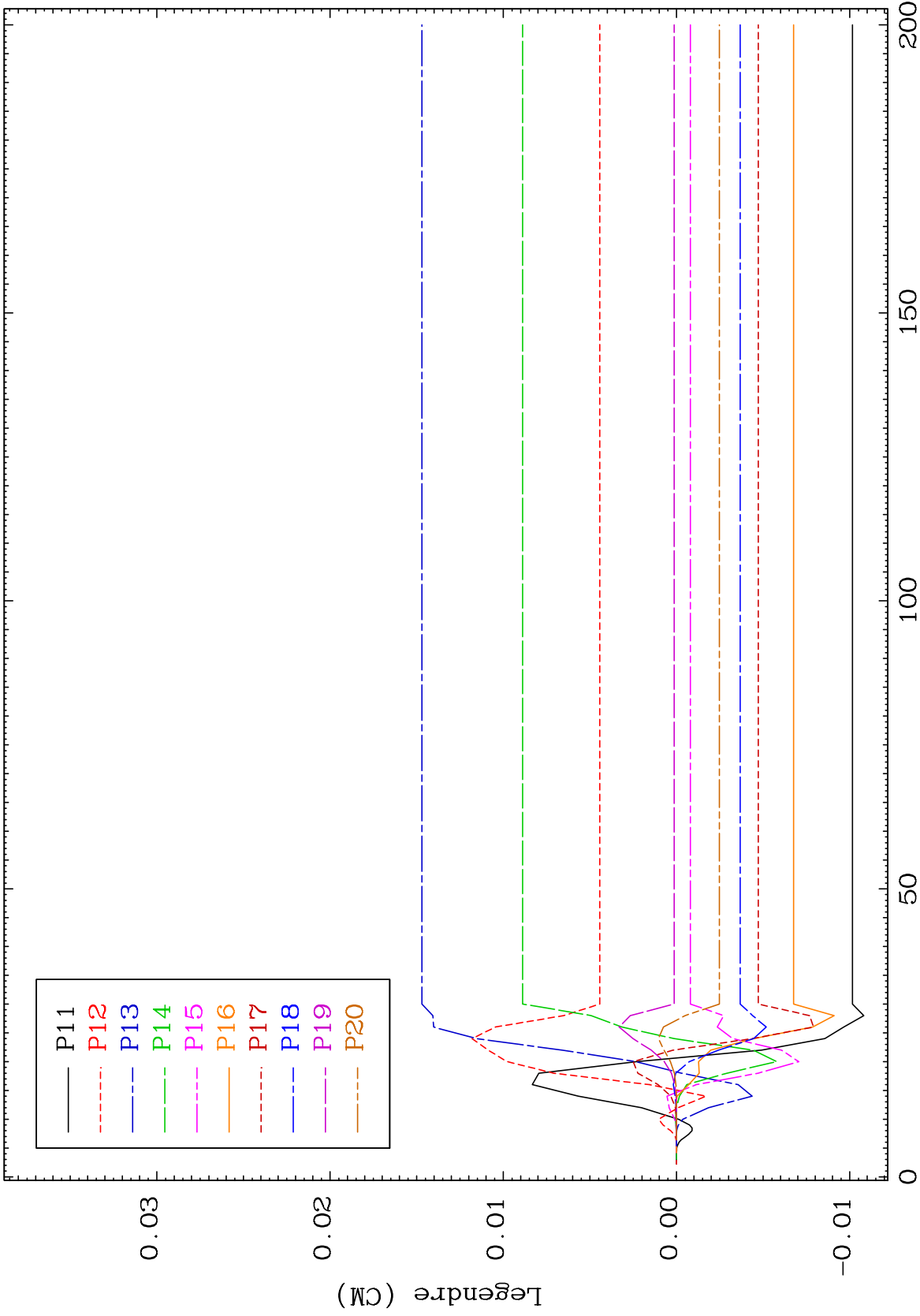
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



53

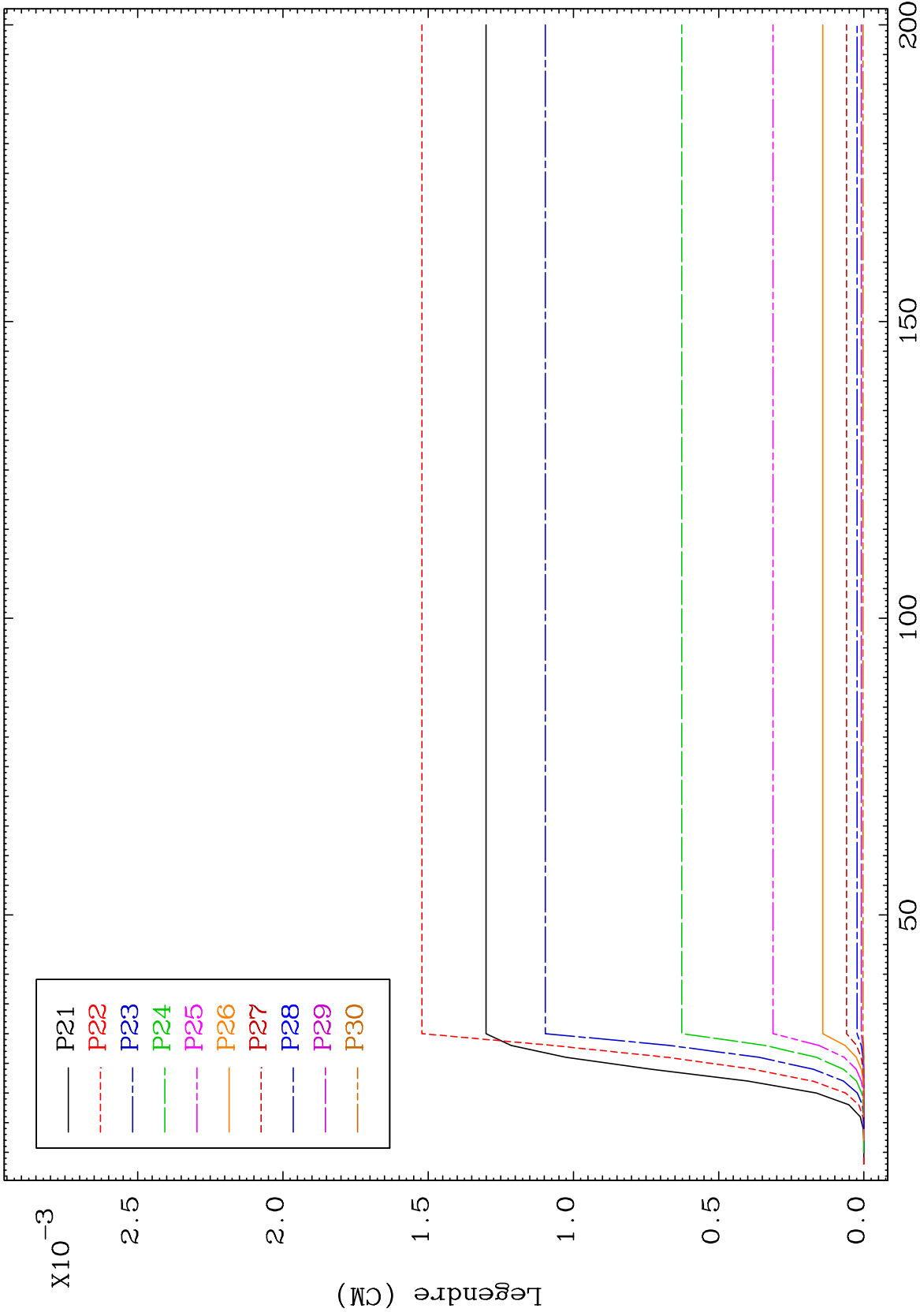
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



54

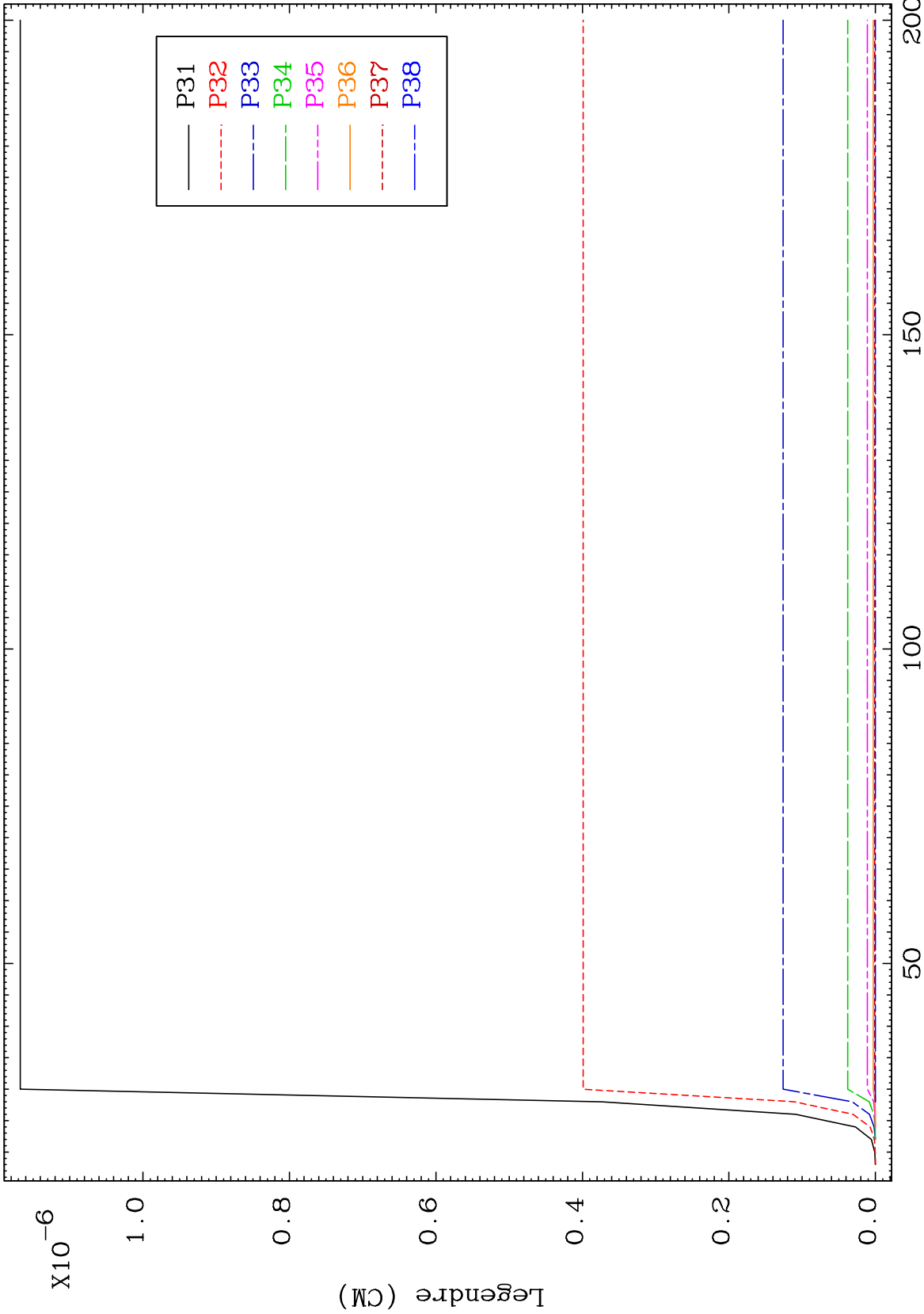
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



55

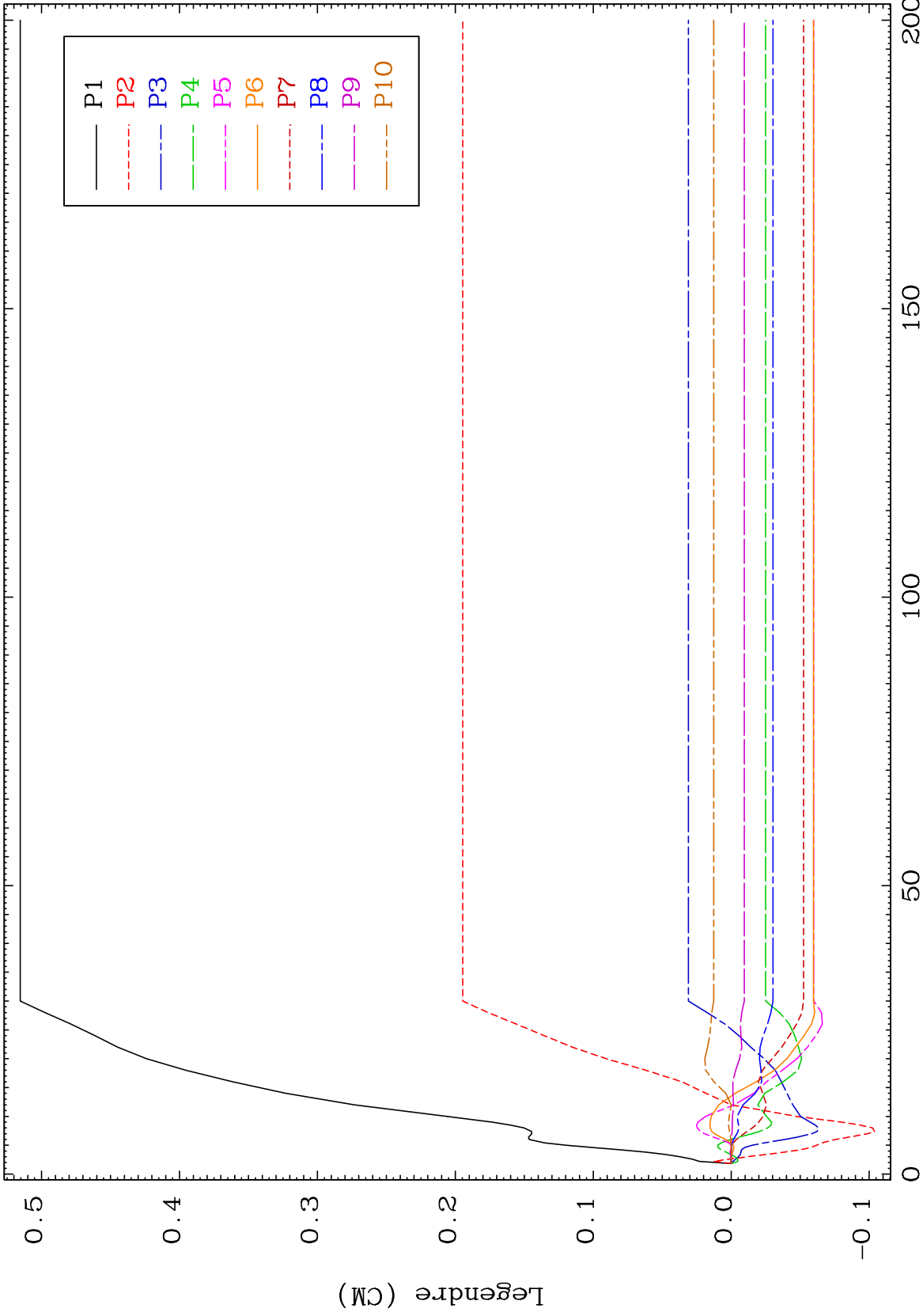
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



56

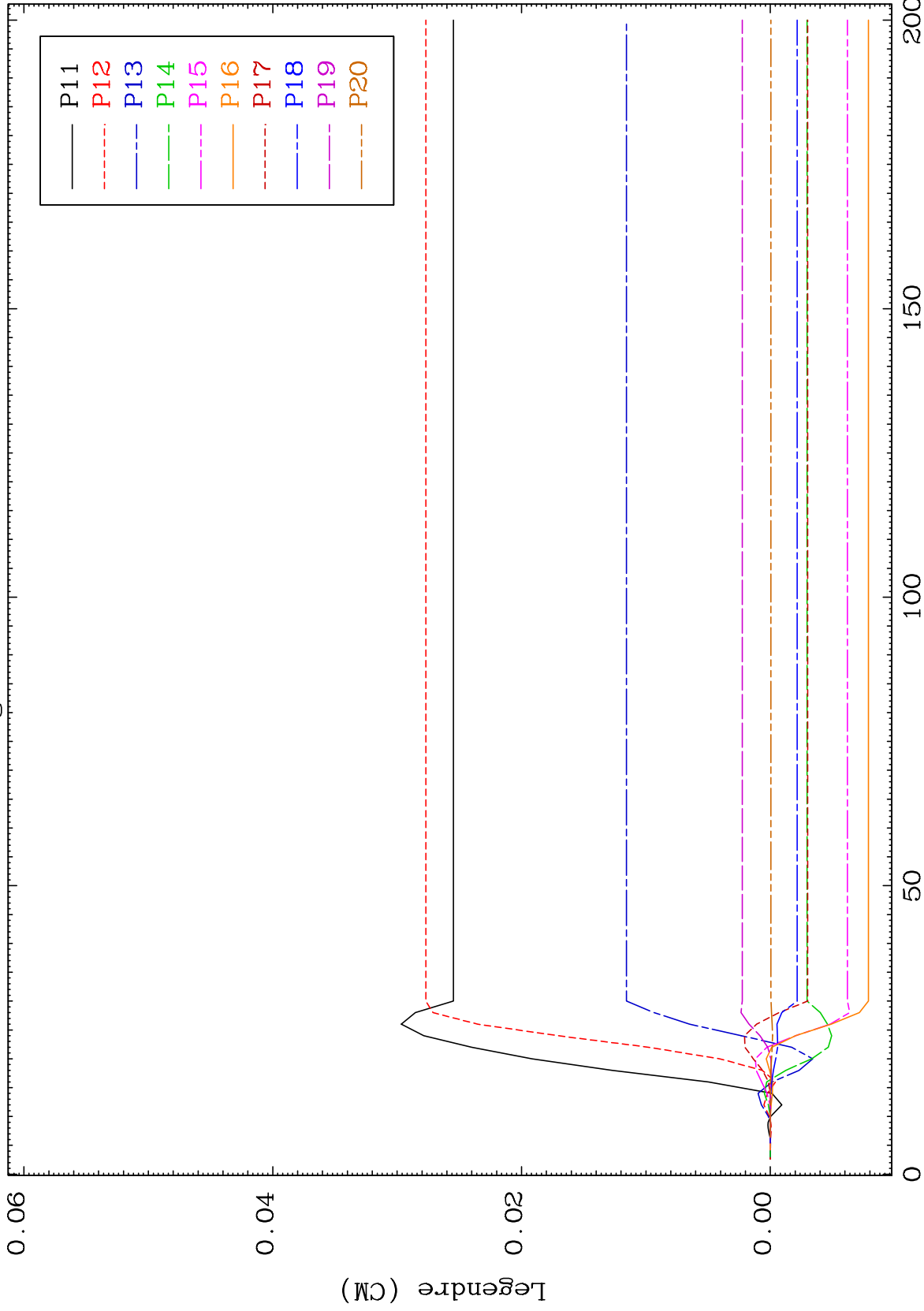
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



57

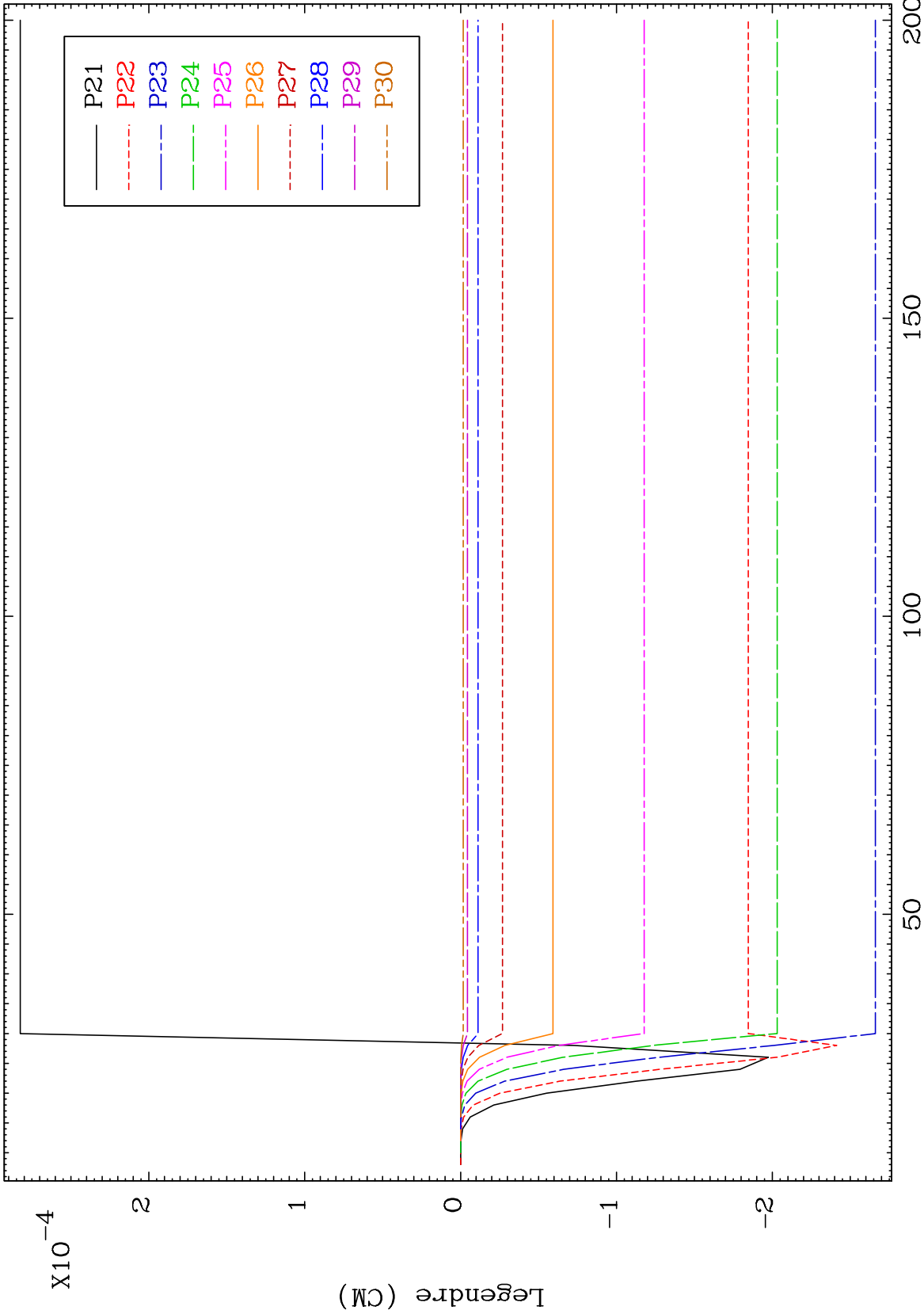
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



58

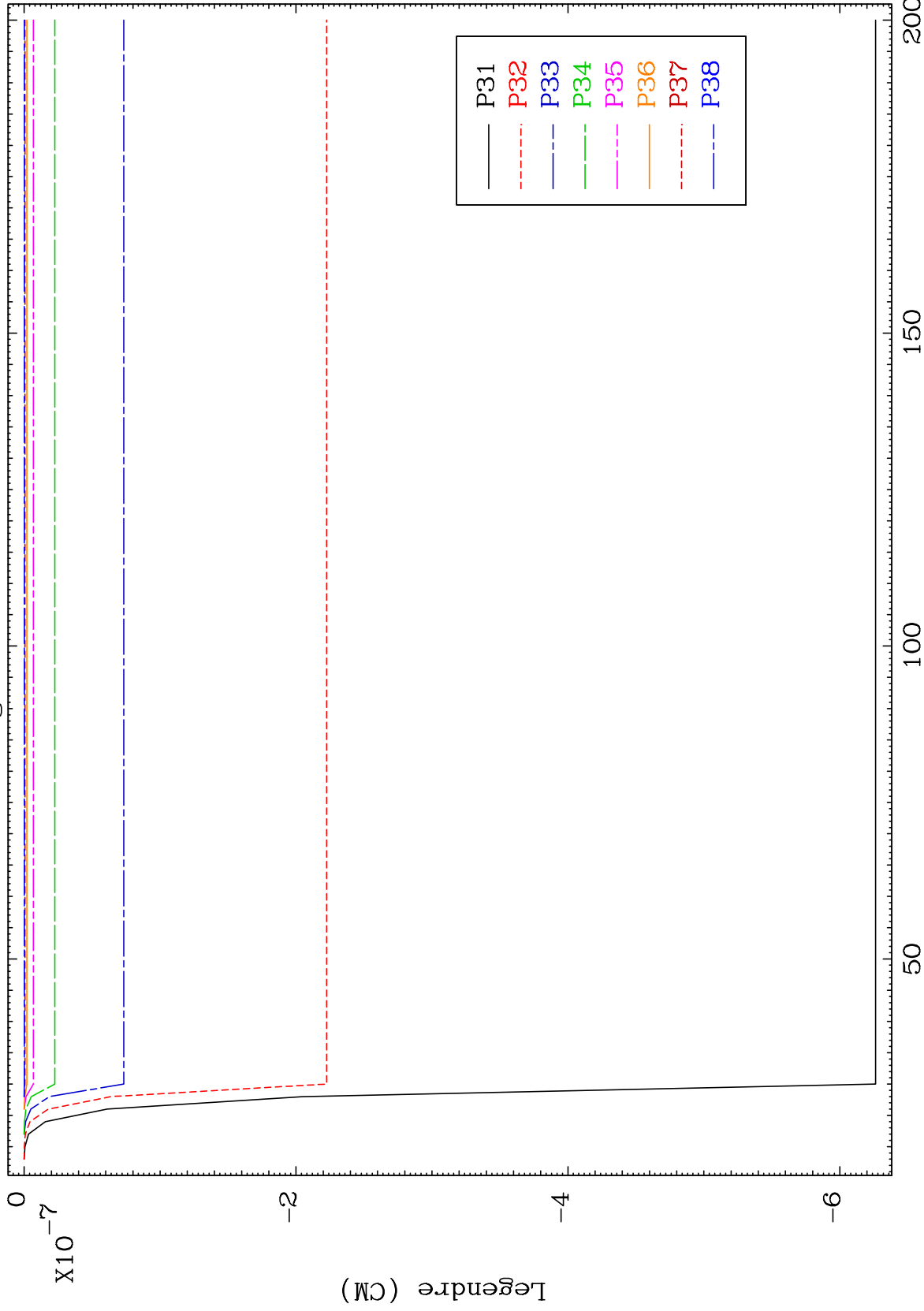
Incident Energy (MeV)

84-Po-200

MAT 8407

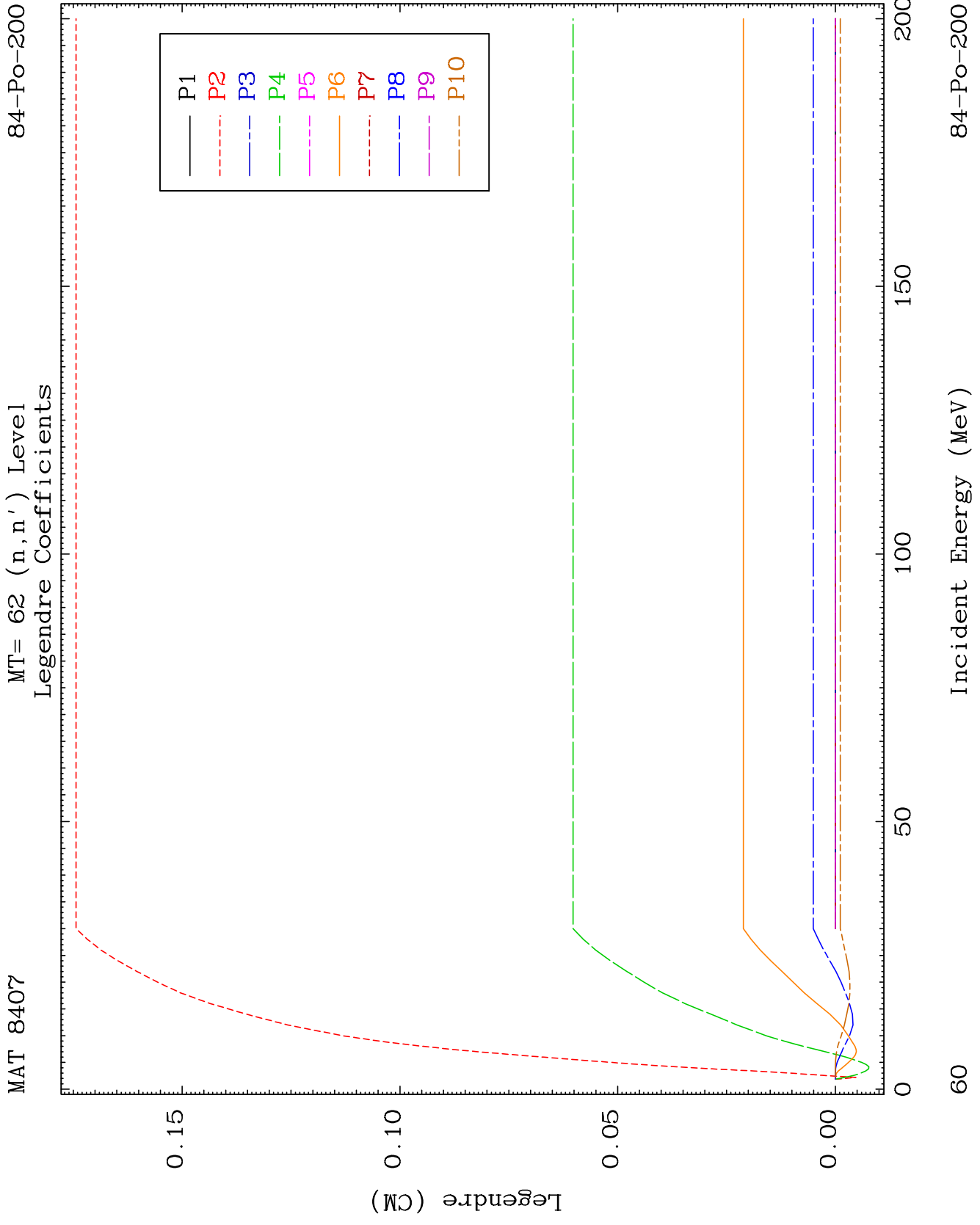
MT= 61 (n,n') Level
Legendre Coefficients

84-Po-200



59

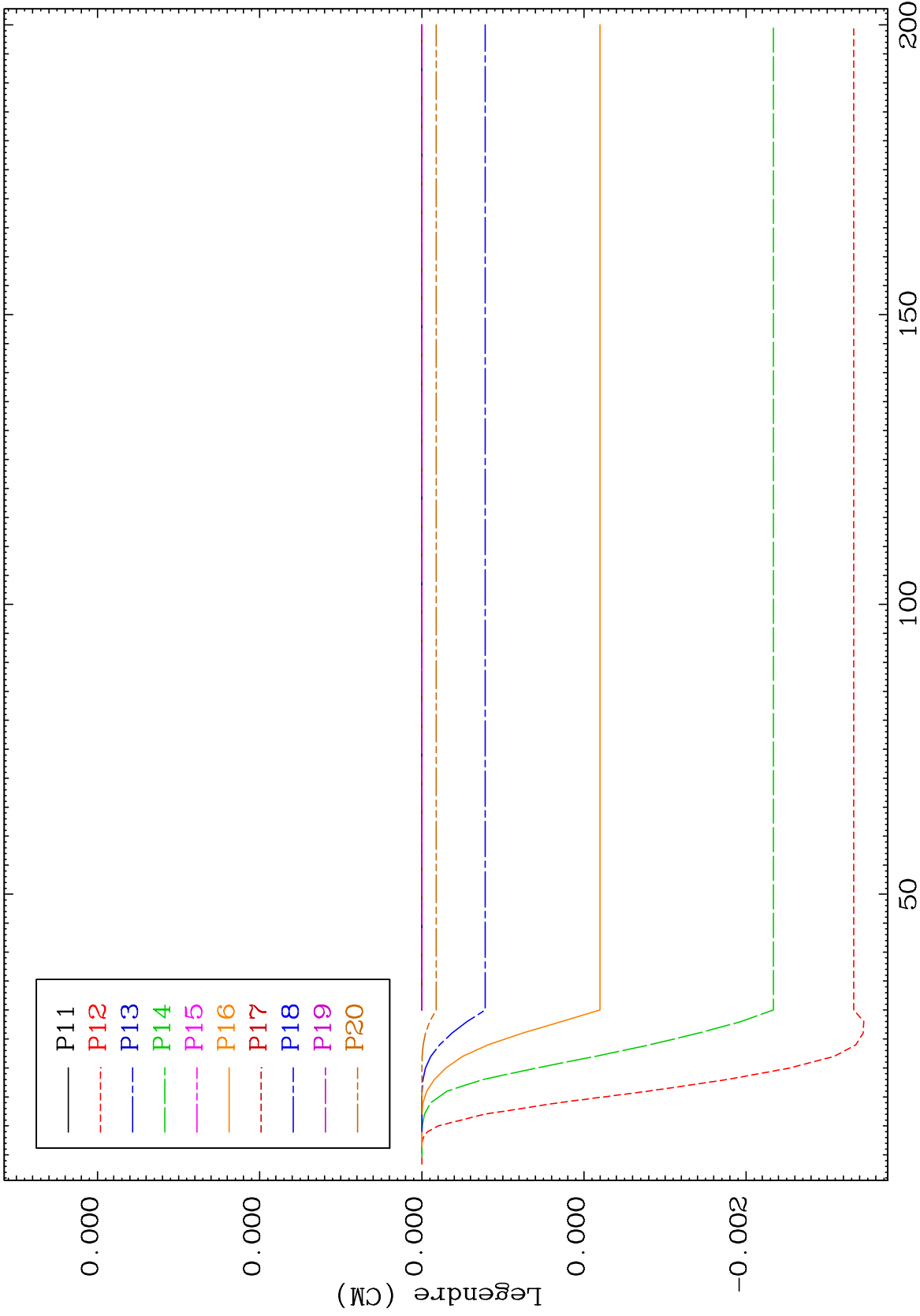
84-Po-200



MAT 8407

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

84-Po-200

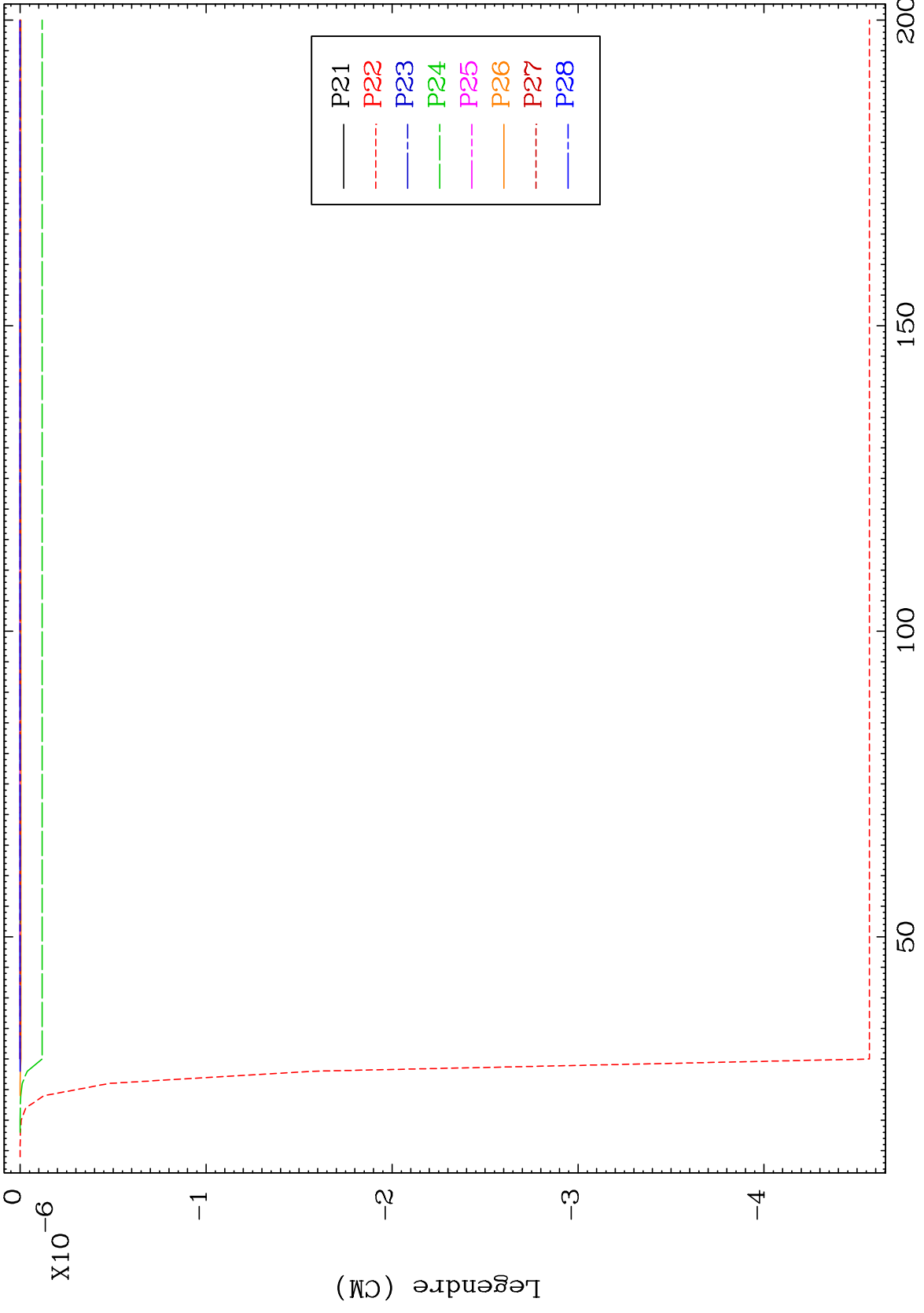


61

Incident Energy (MeV)

84-Po-200

MAT 8407 MT= 62 (n, n') Level Legendre Coefficients 84-Po-200

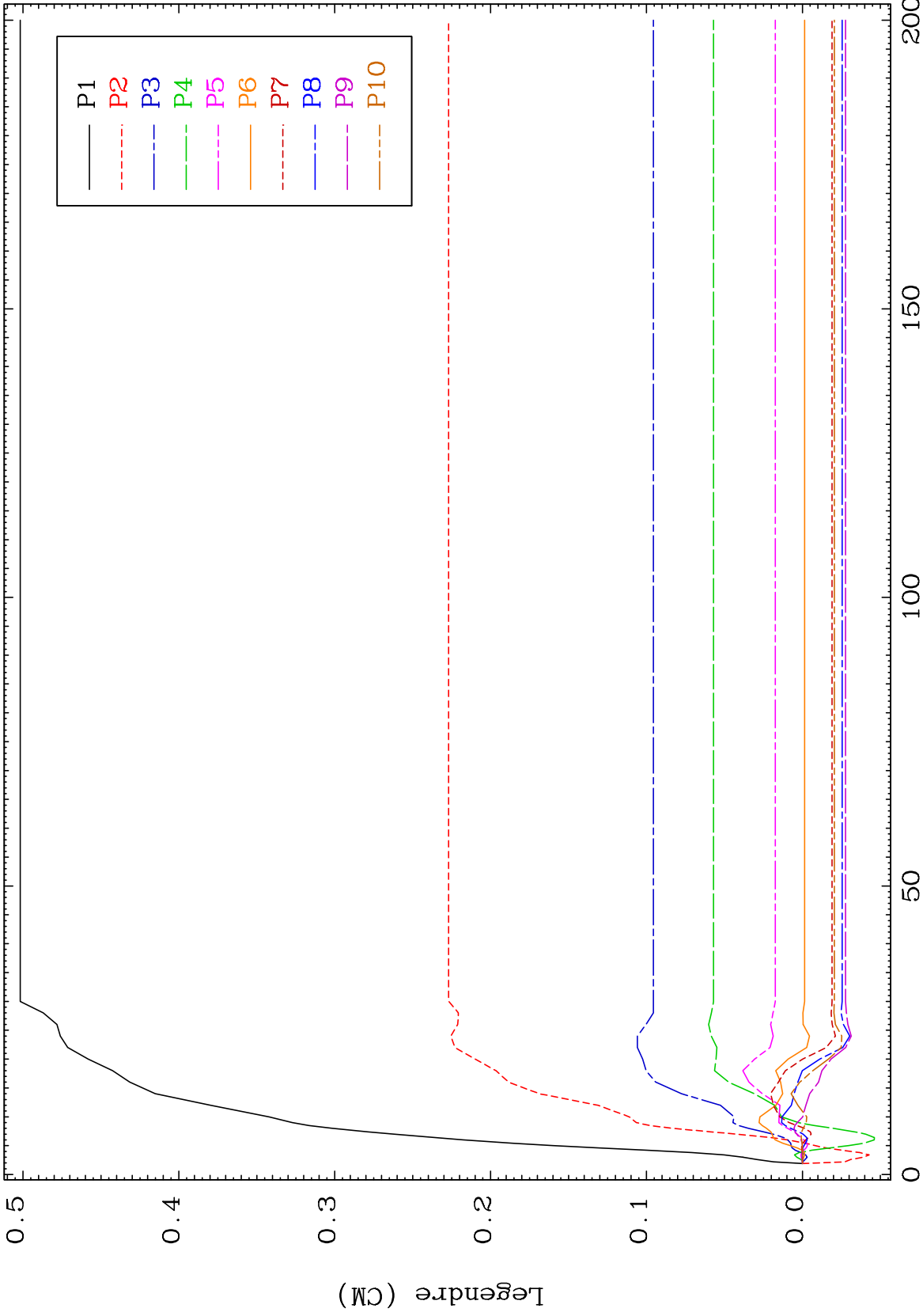


62 84-Po-200

MAT 8407

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

84-Po-200



63

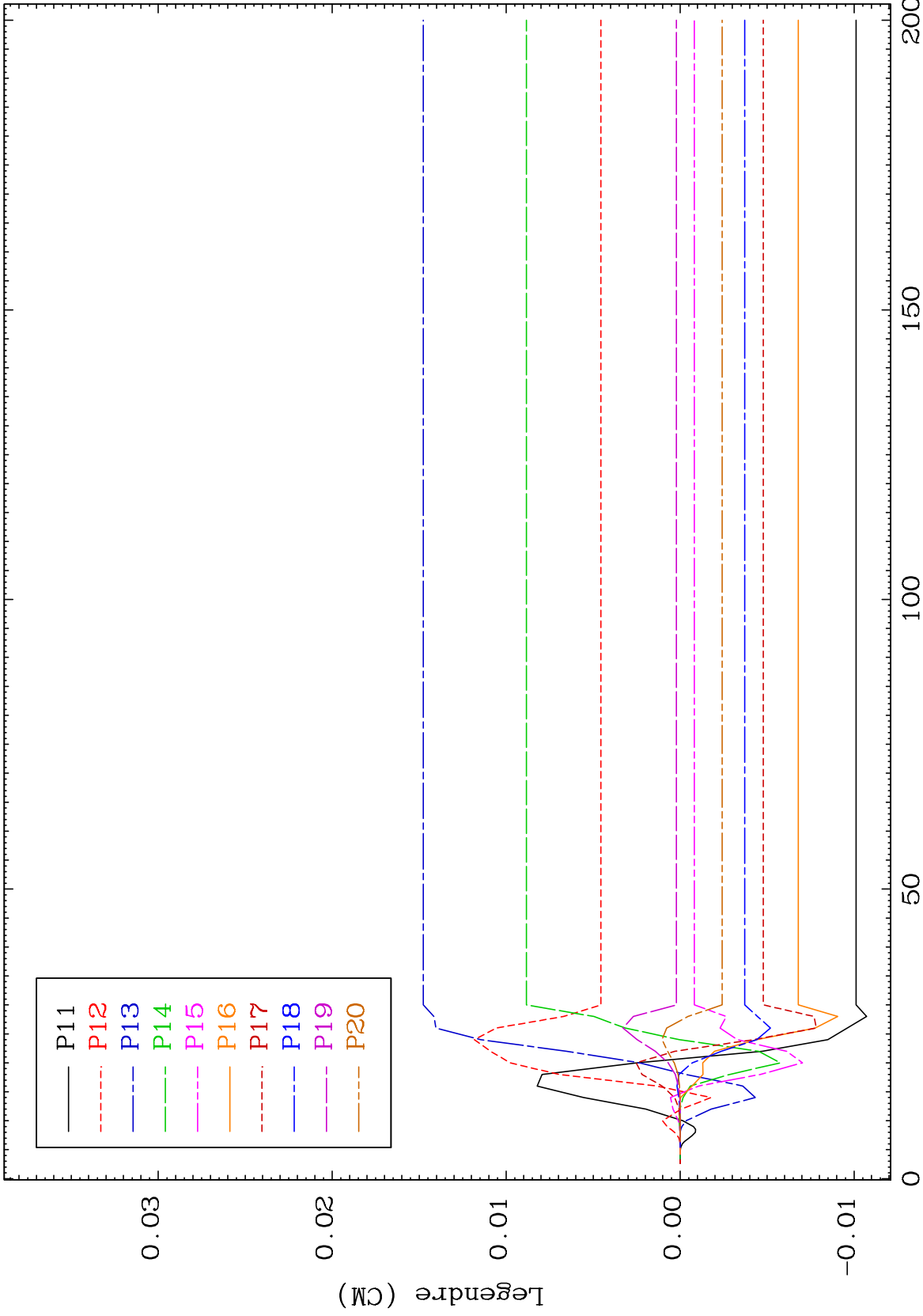
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



64

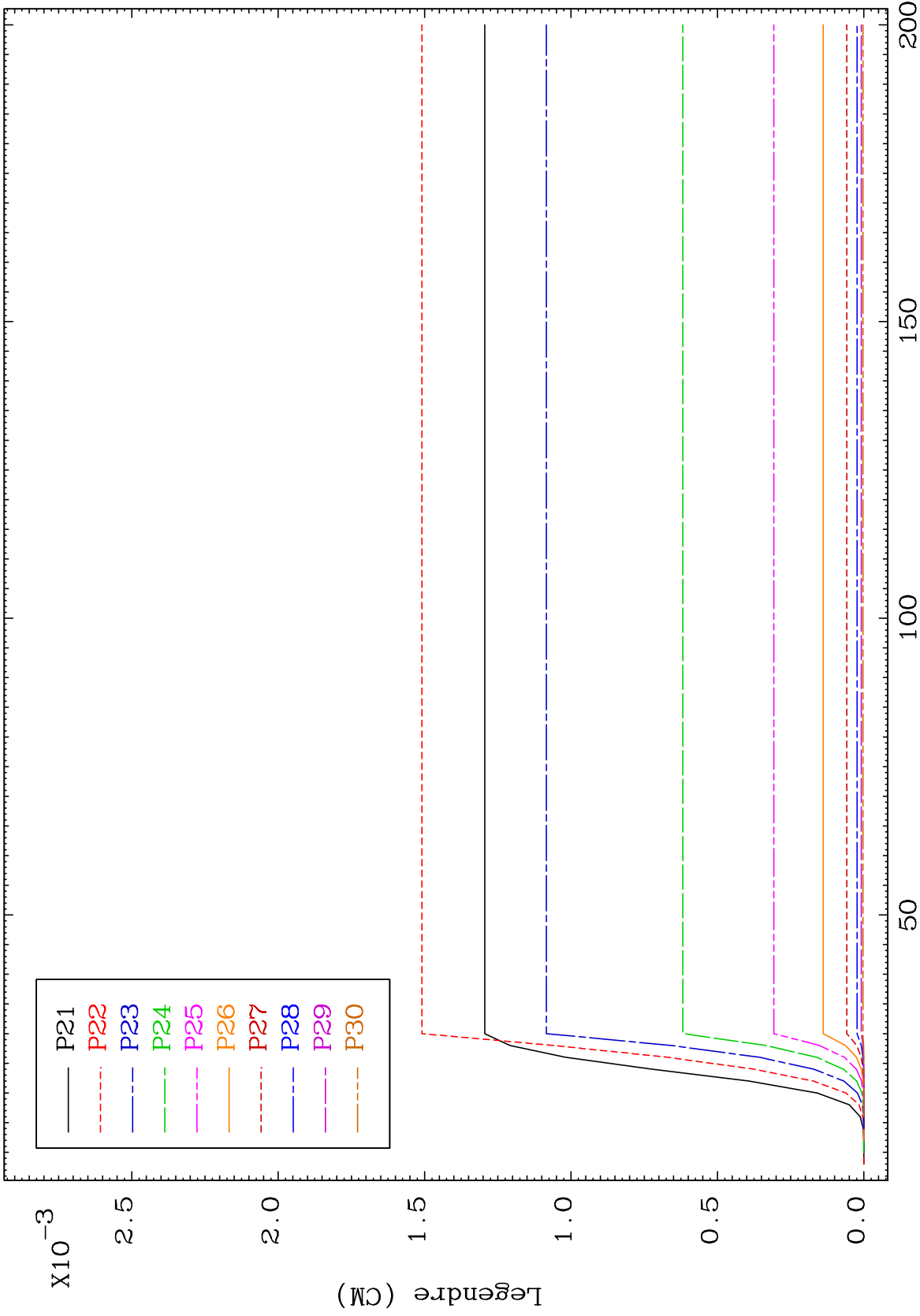
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



65

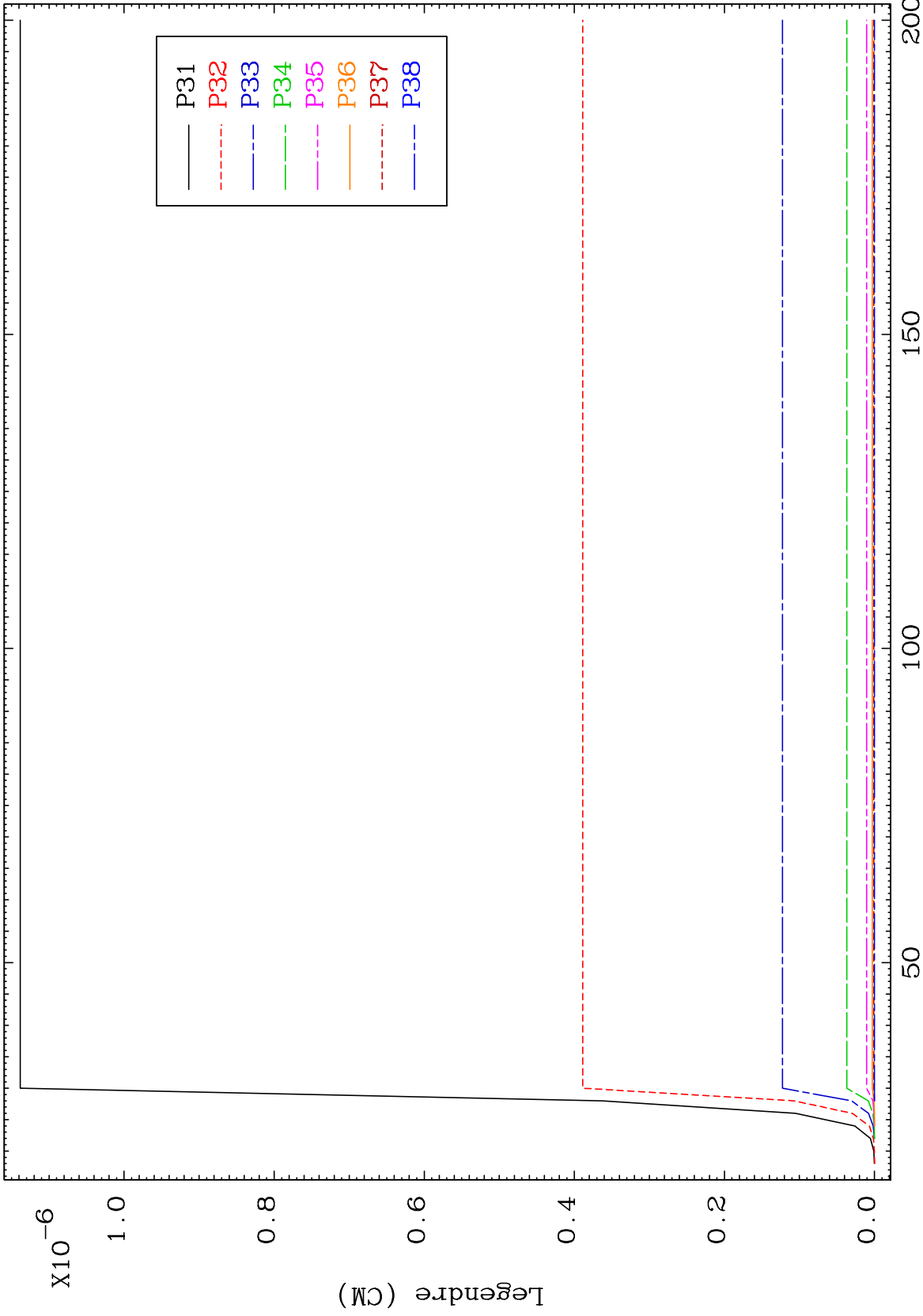
Incident Energy (MeV)

84-Po-200

MAT 8407

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

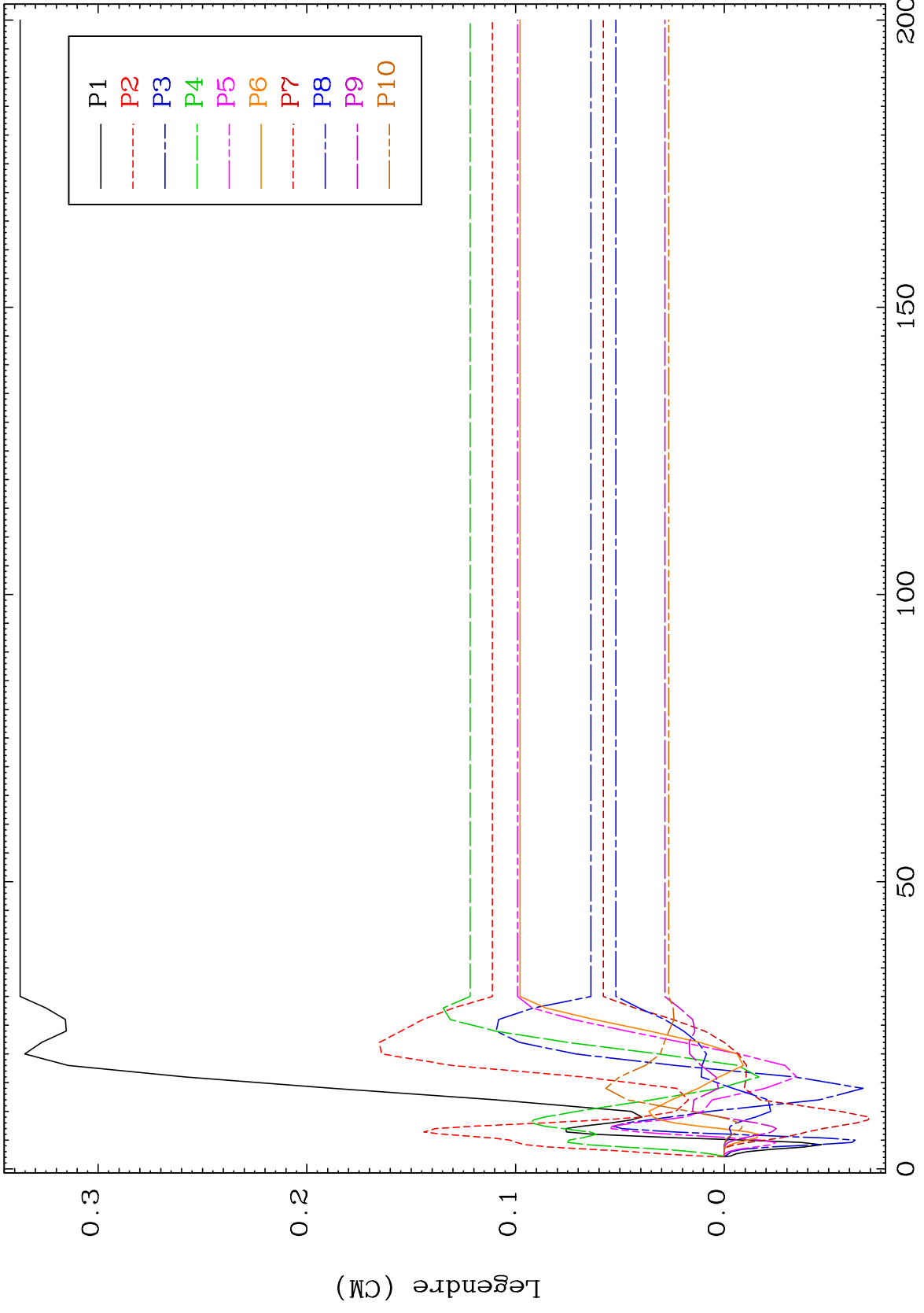
84-Po-200



66

84-Po-200

MAT 8407 MT= 64 (n,n') Level Legendre Coefficients 84-Po-200

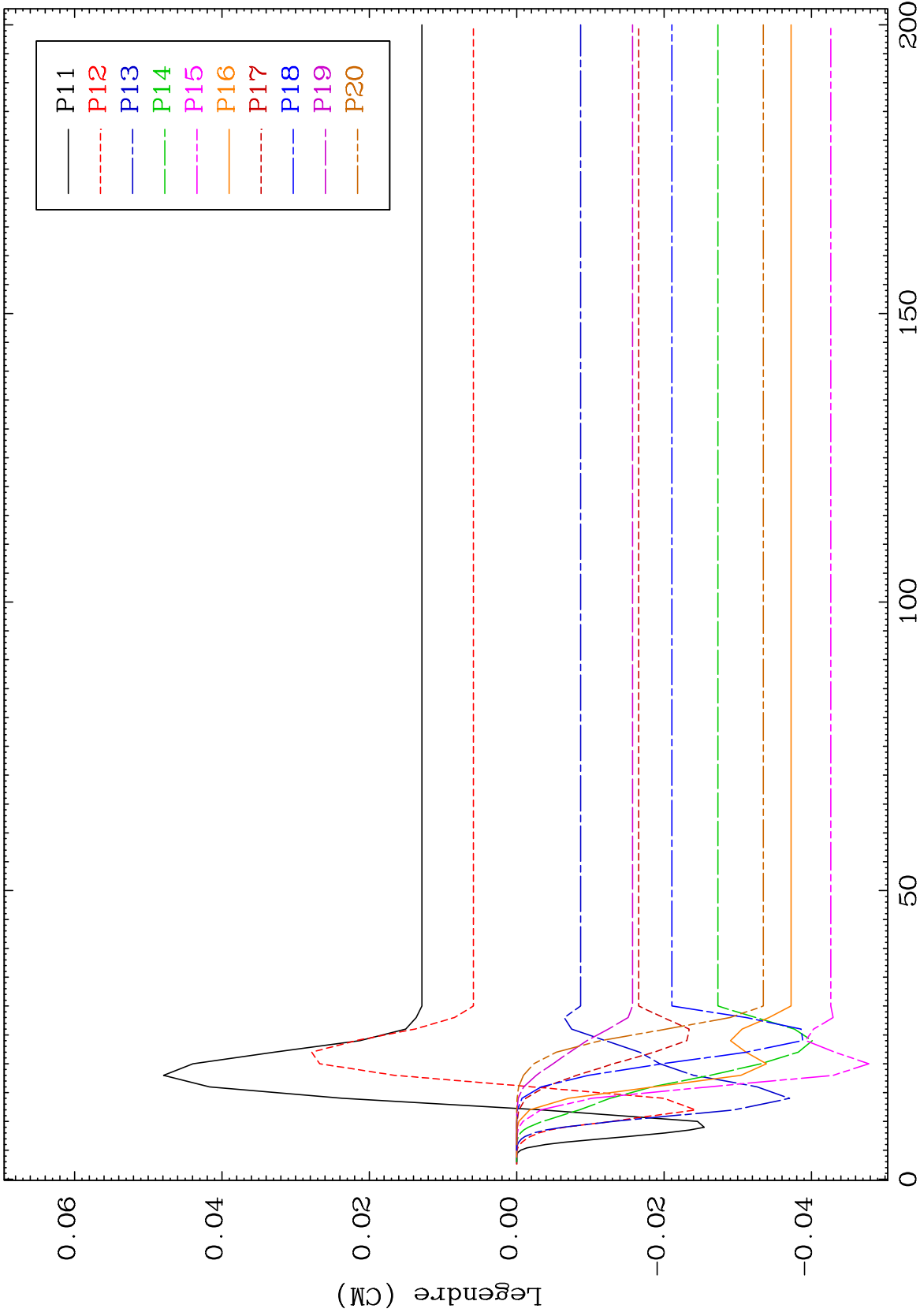


67 84-Po-200

MAT 8407

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

84-Po-200



68

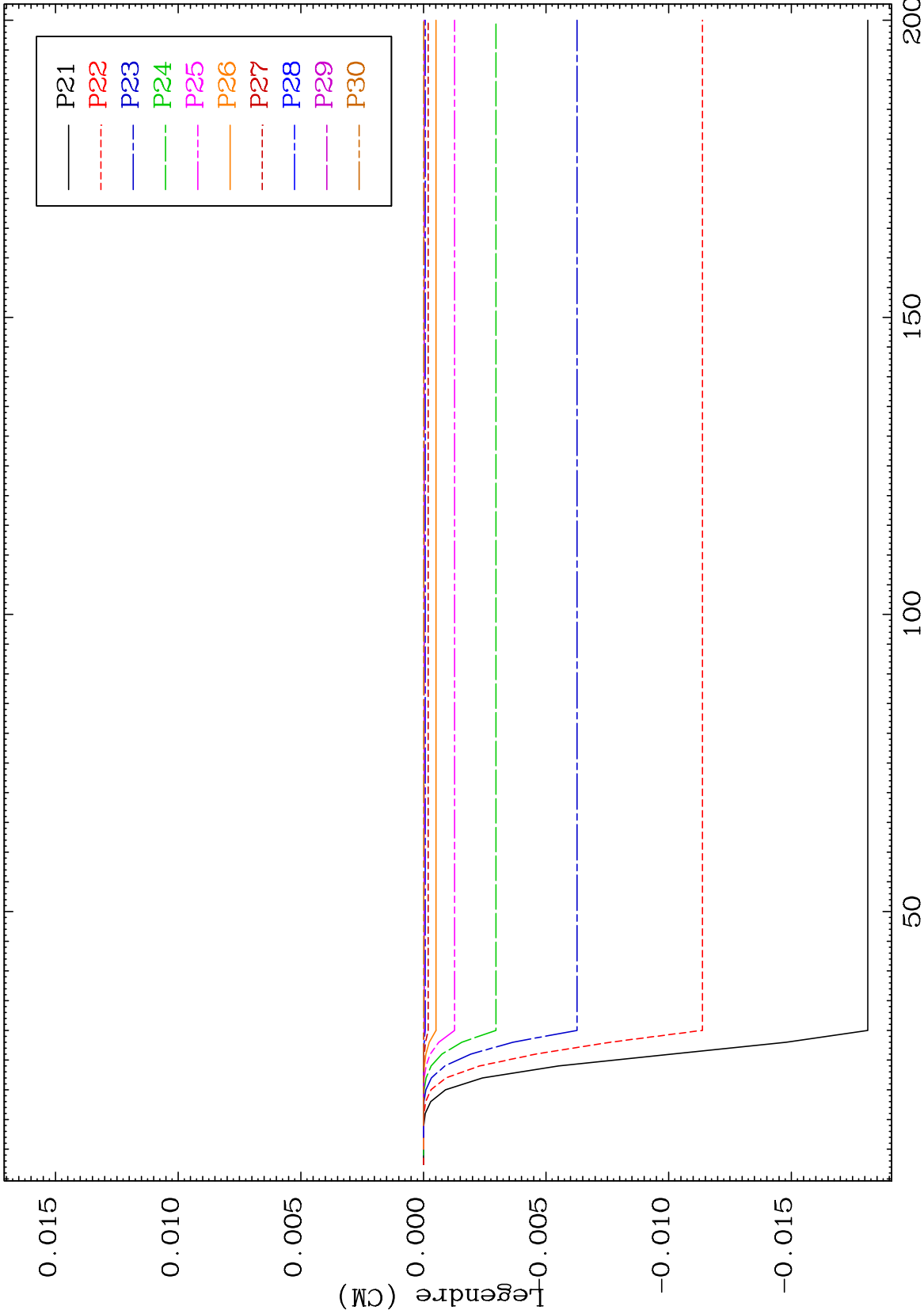
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



69

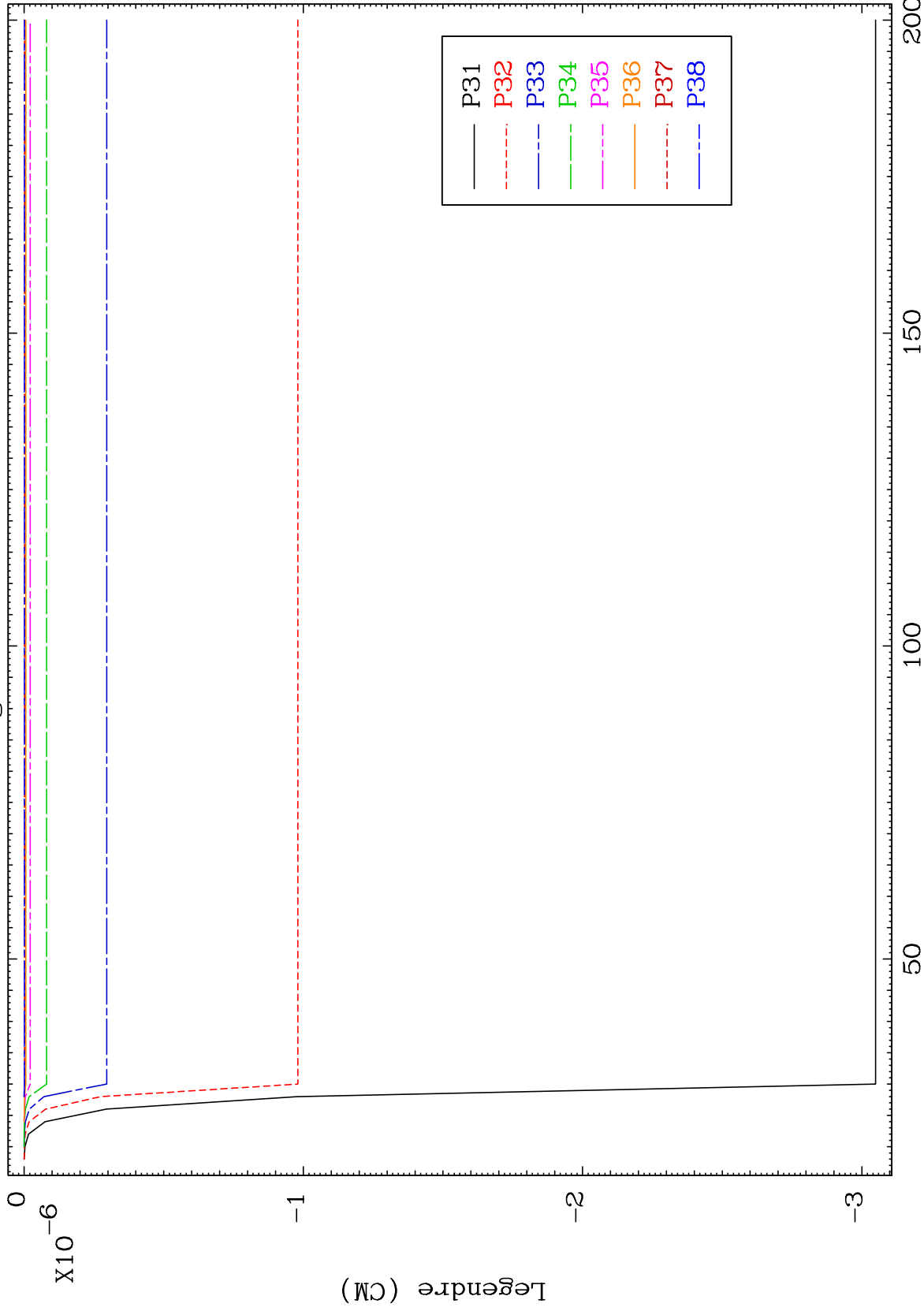
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



84-Po-200

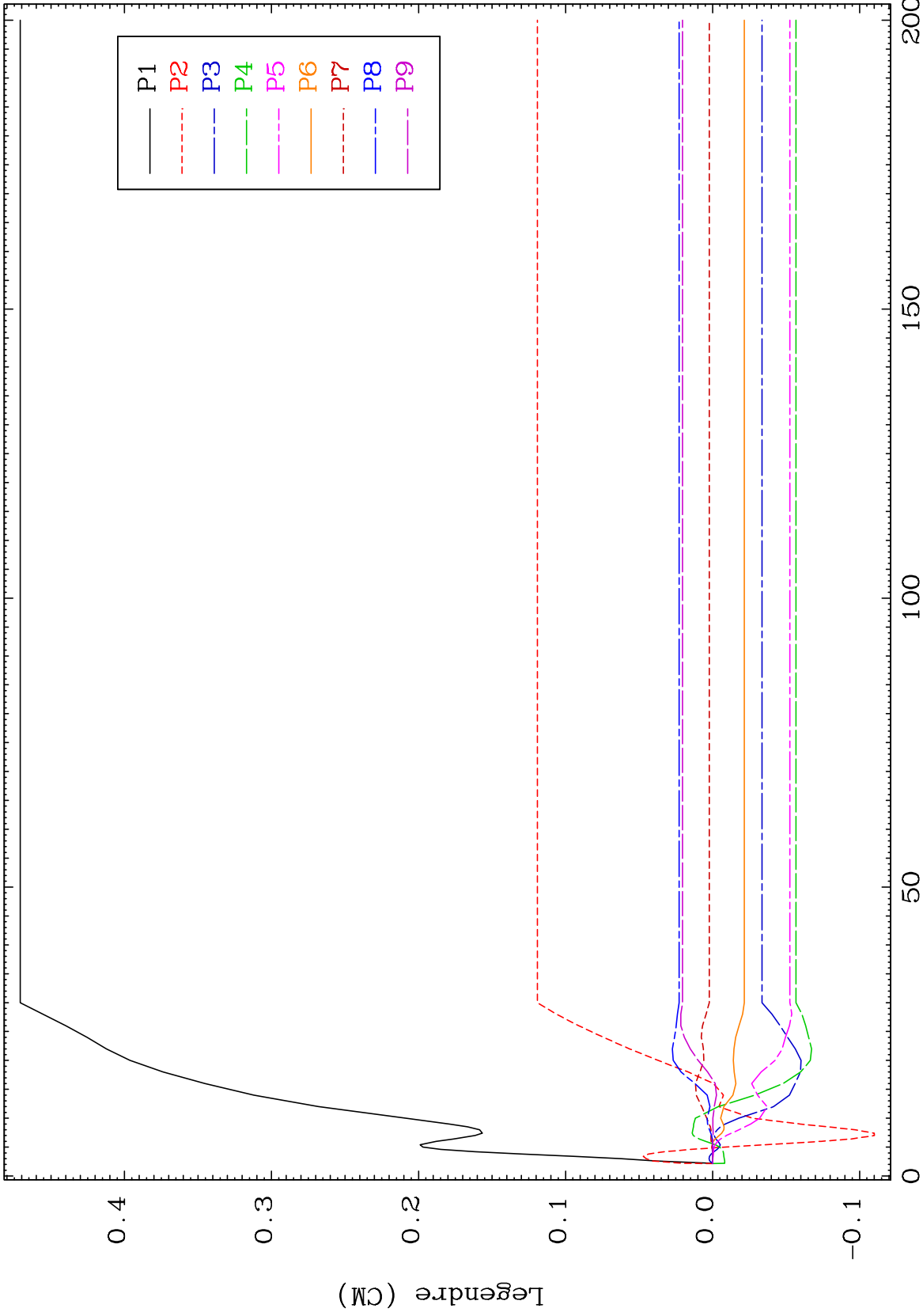
Incident Energy (MeV)

70

MAT 8407

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

84-Po-200



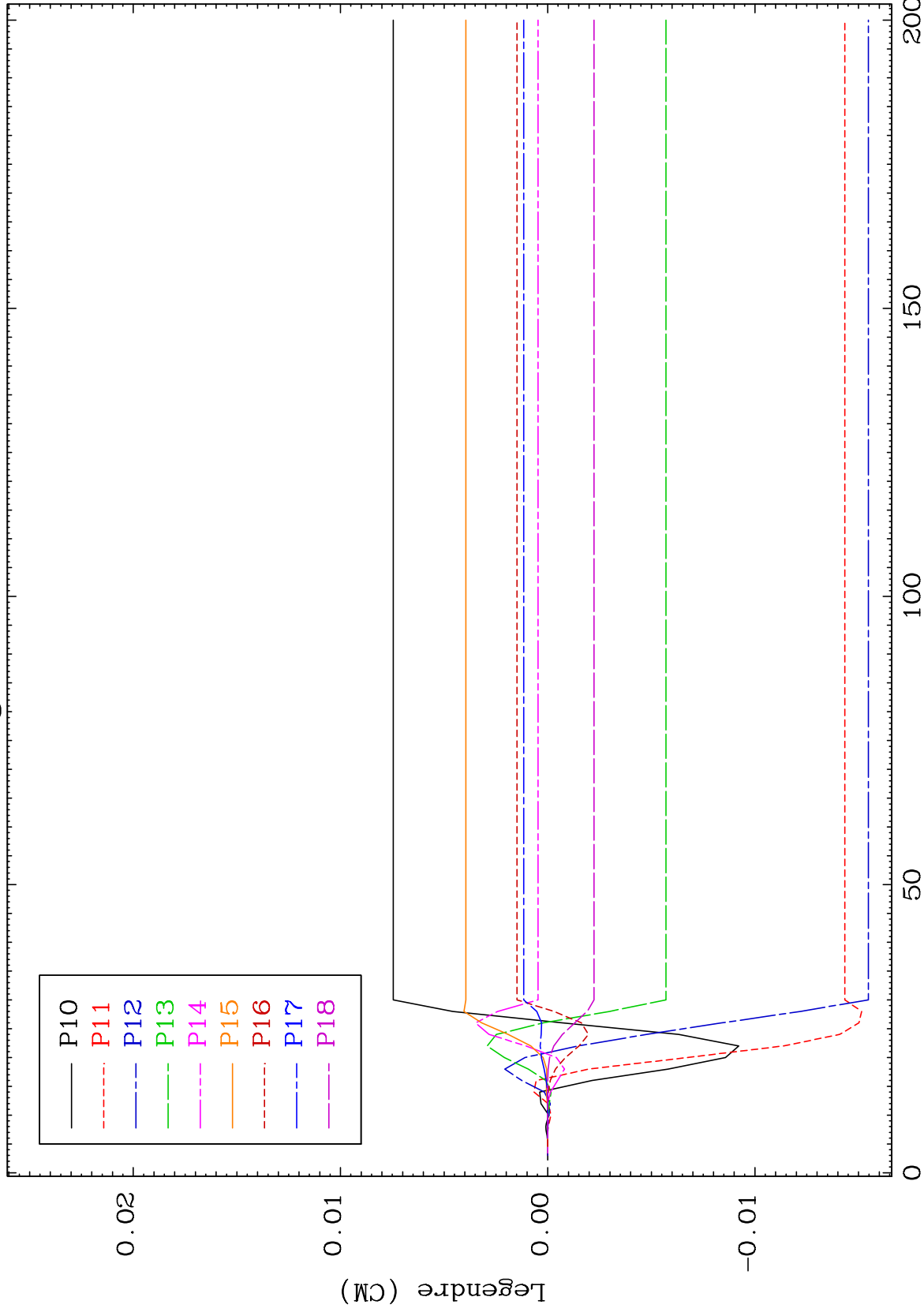
71

84-Po-200

MAT 8407

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

84-Po-200



72

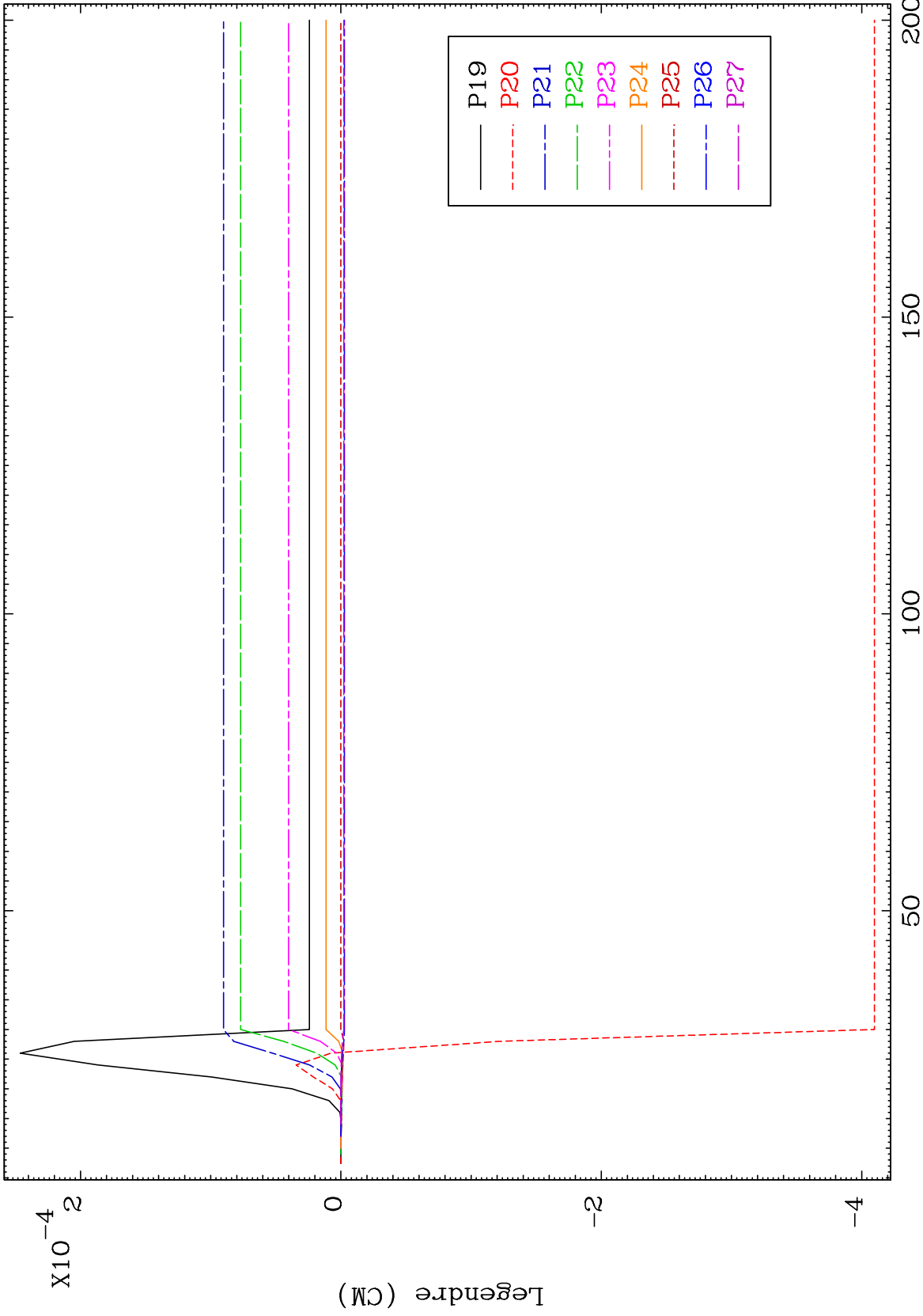
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



73

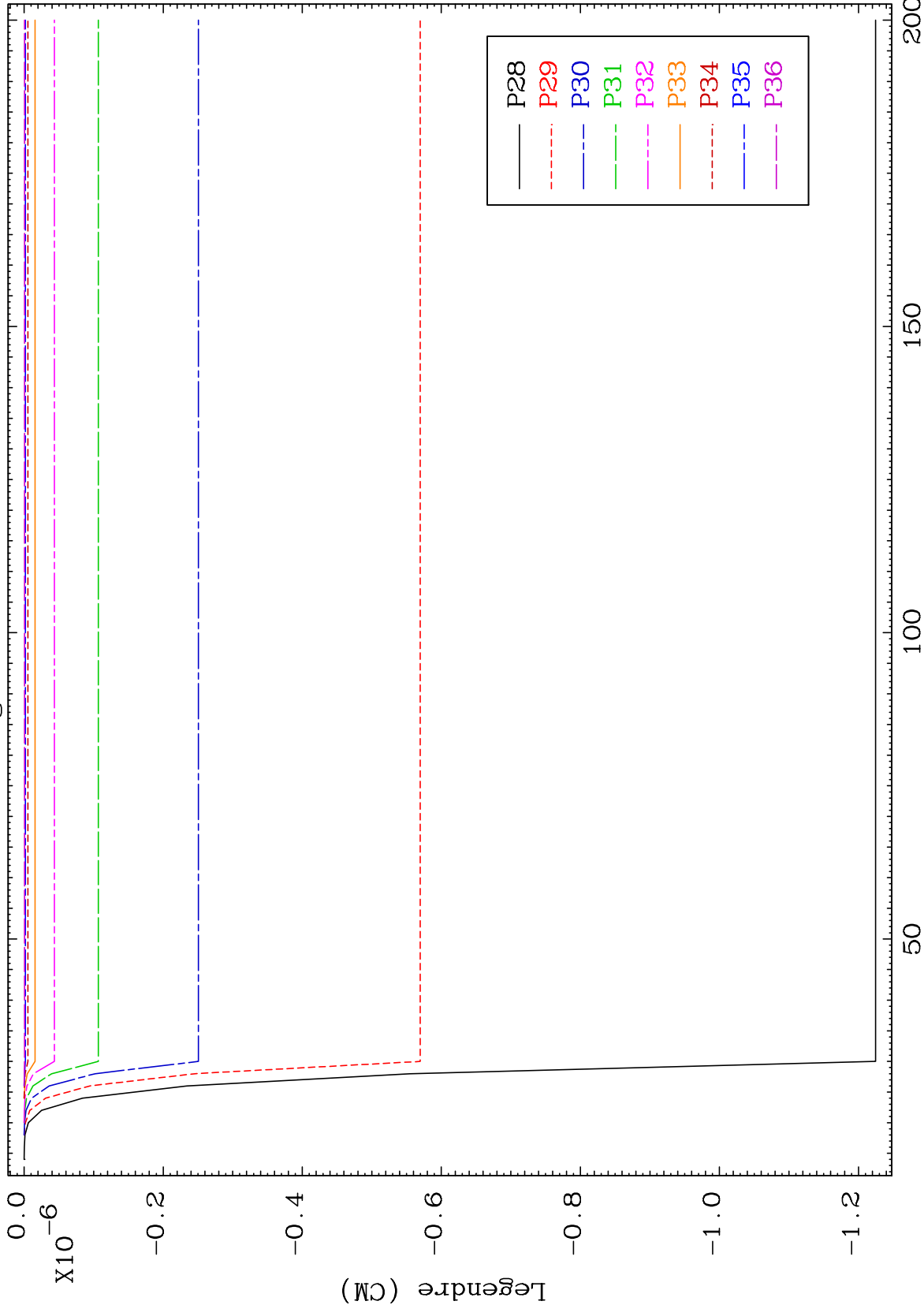
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



84-Po-200

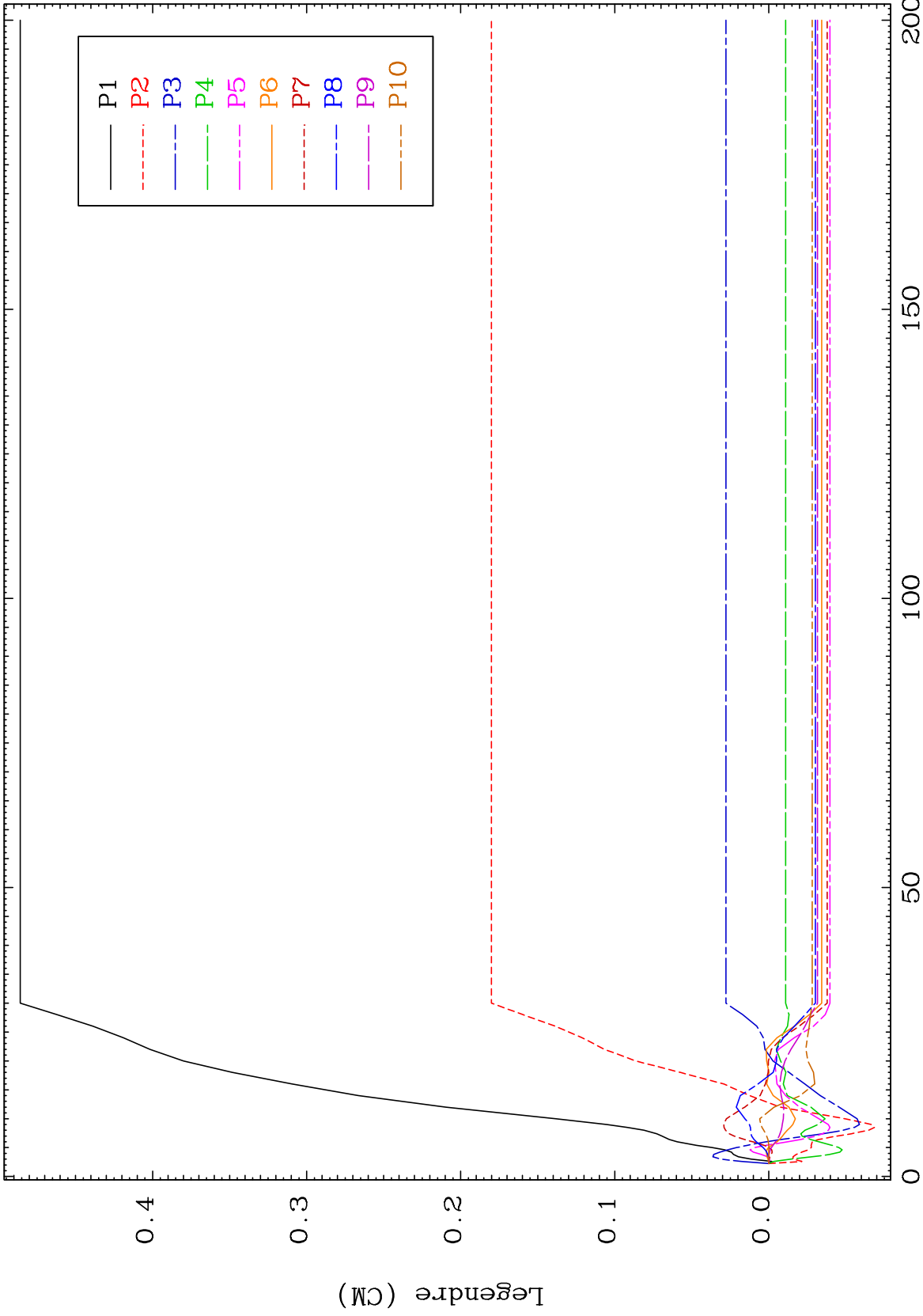
Incident Energy (MeV)

74

MAT 8407

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

84-Po-200



75

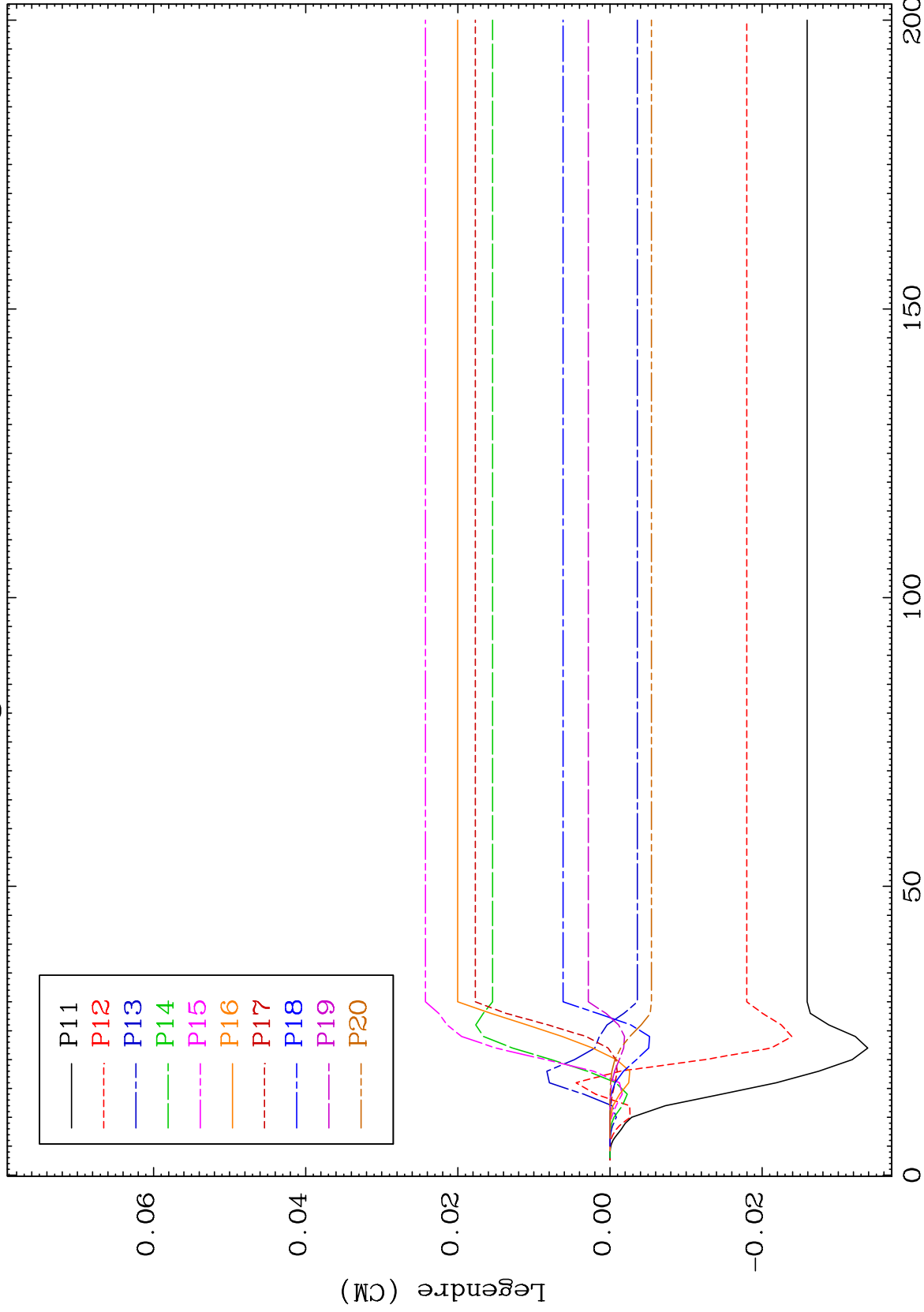
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



76

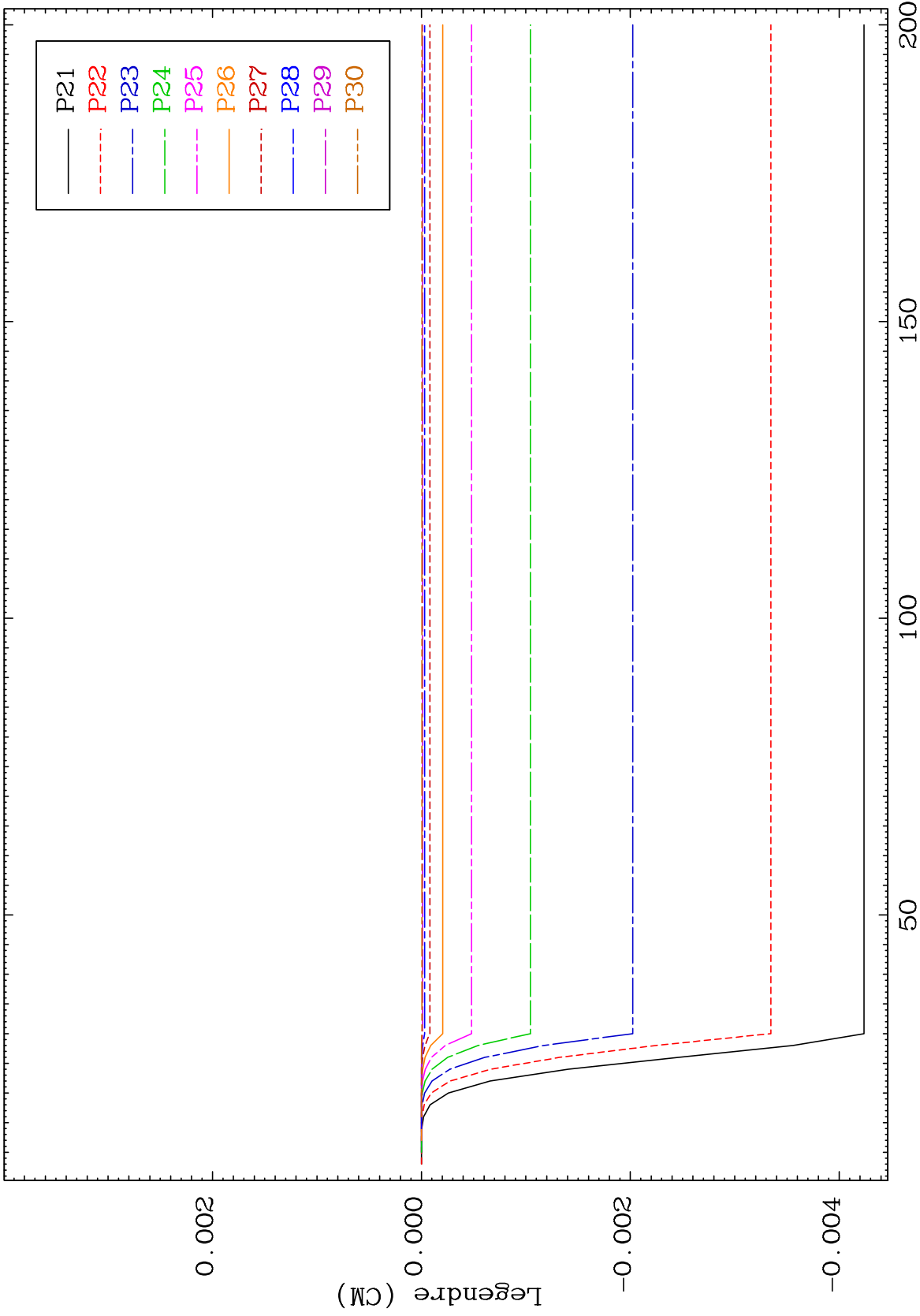
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



77

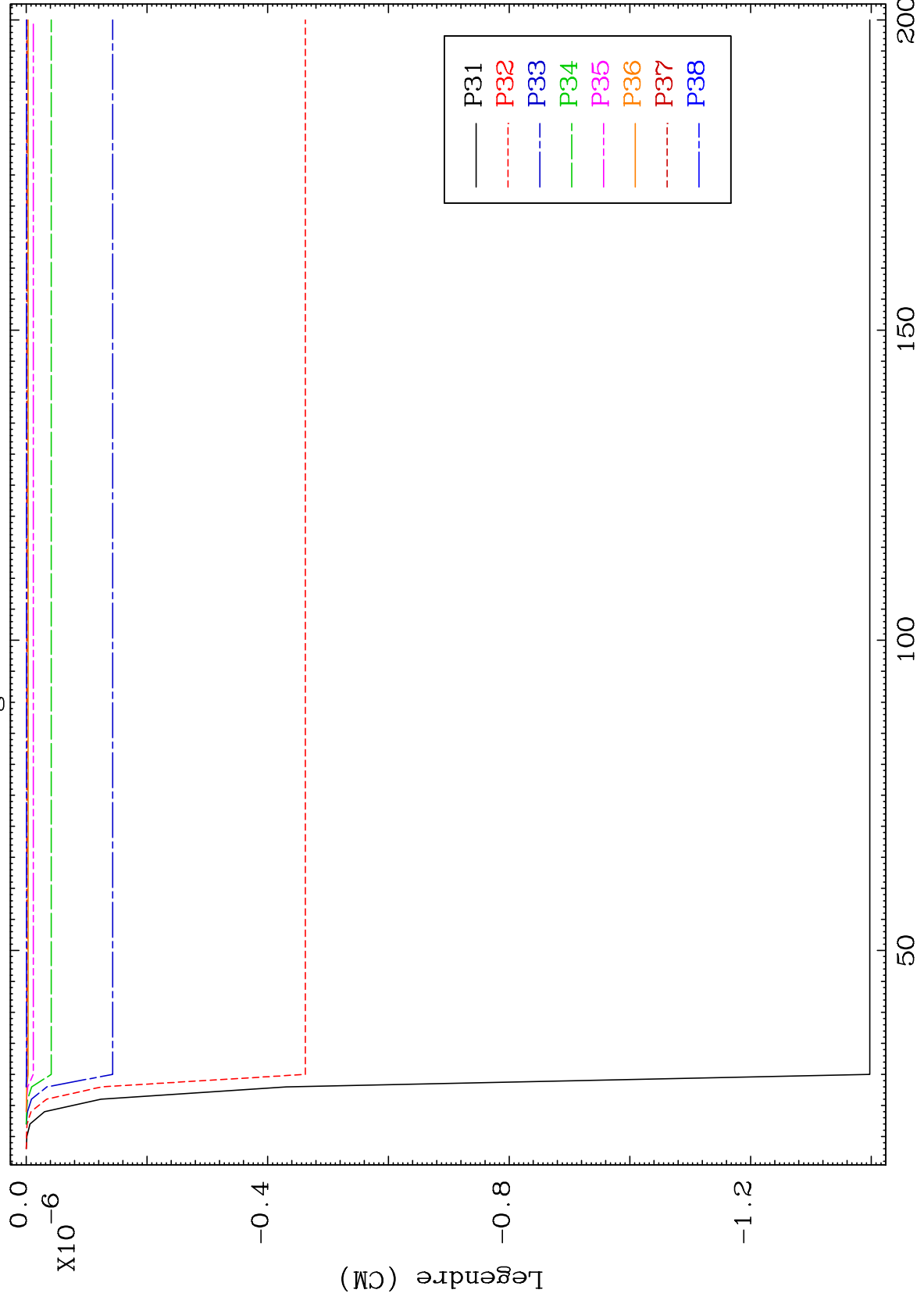
Incident Energy (MeV)

84-Po-200

MAT 8407

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

84-Po-200



84-Po-200

Incident Energy (MeV)

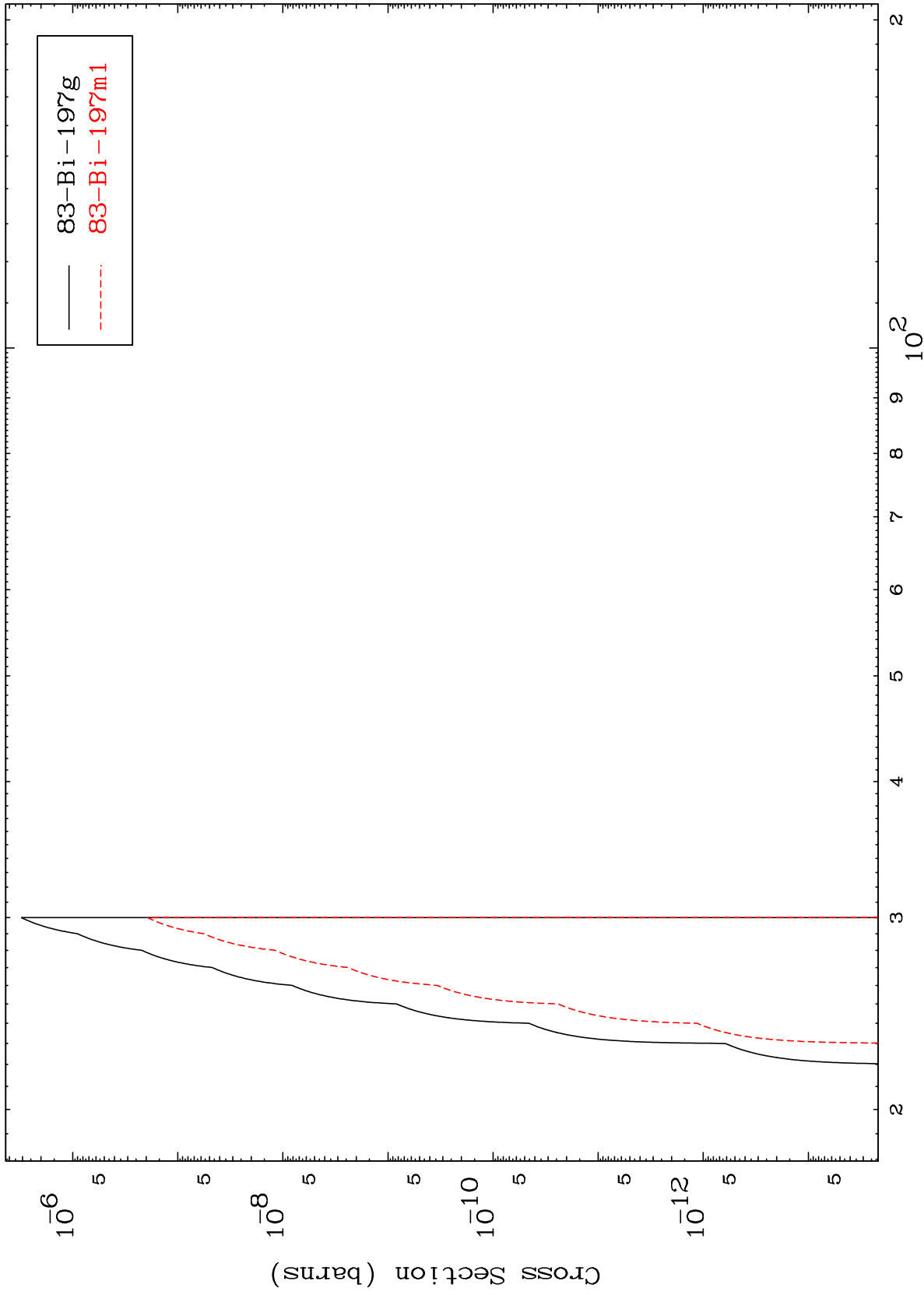
78

MAT 8407

(n,2n) d

84-Po-200

Radionuclide Production Cross Section



79

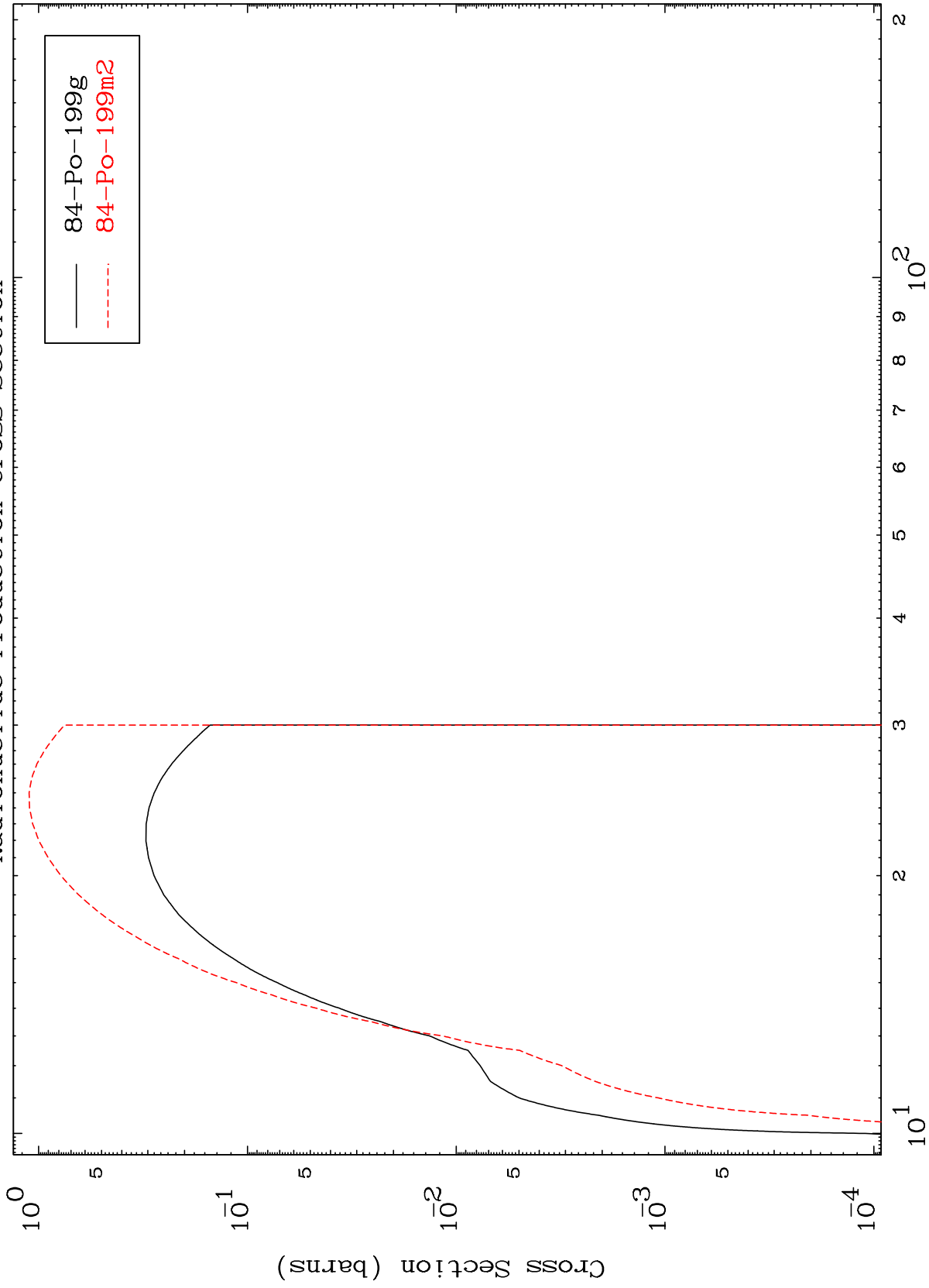
Incident Energy (MeV)

84-Po-200

MAT 8407

84-Po-200

(n,2n)
Radionuclide Production Cross Section



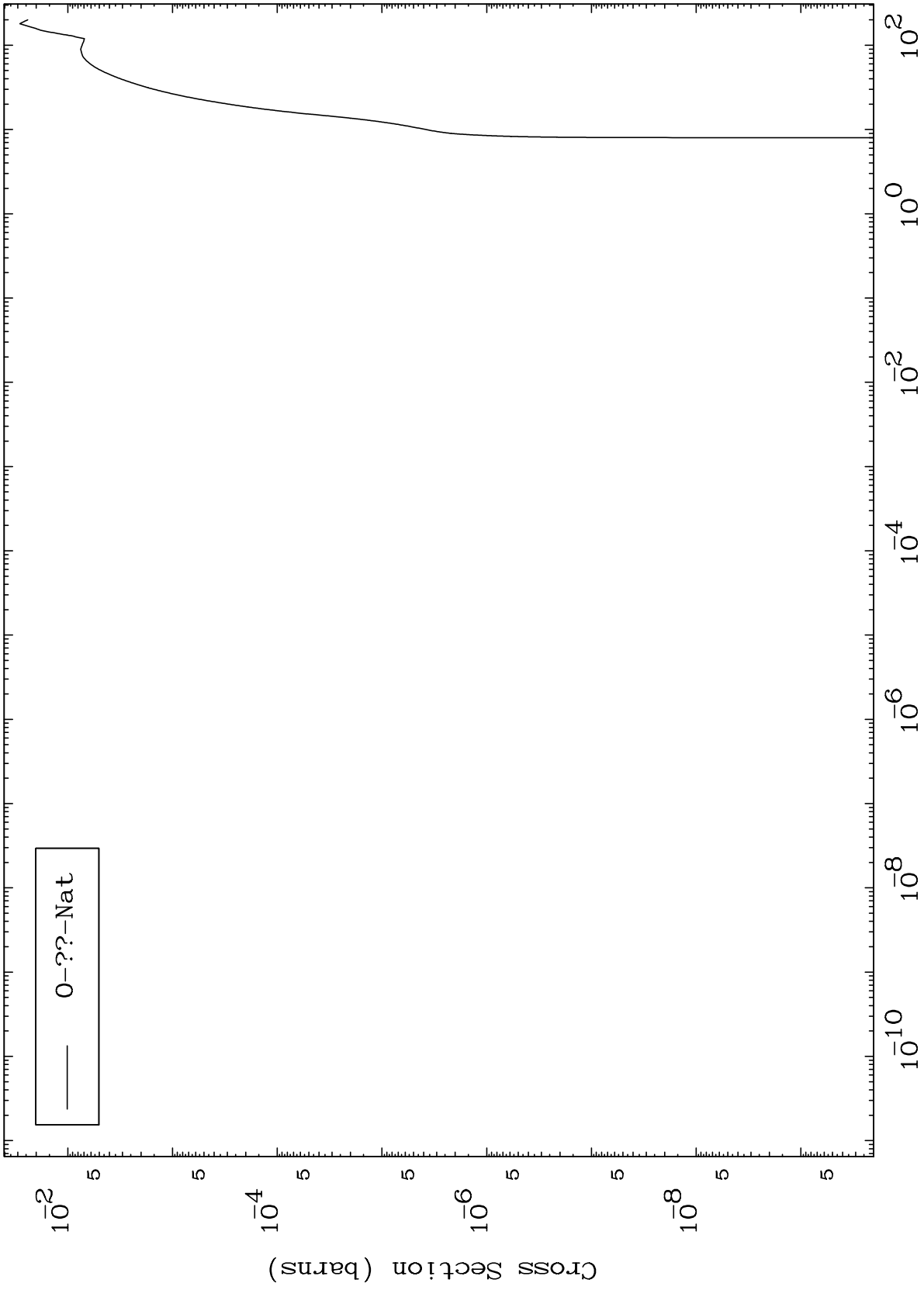
Incident Energy (MeV)

84-Po-200

MAT 8407

Fission
Radionuclide Production Cross Section

84-Po-200



81

Incident Energy (MeV)

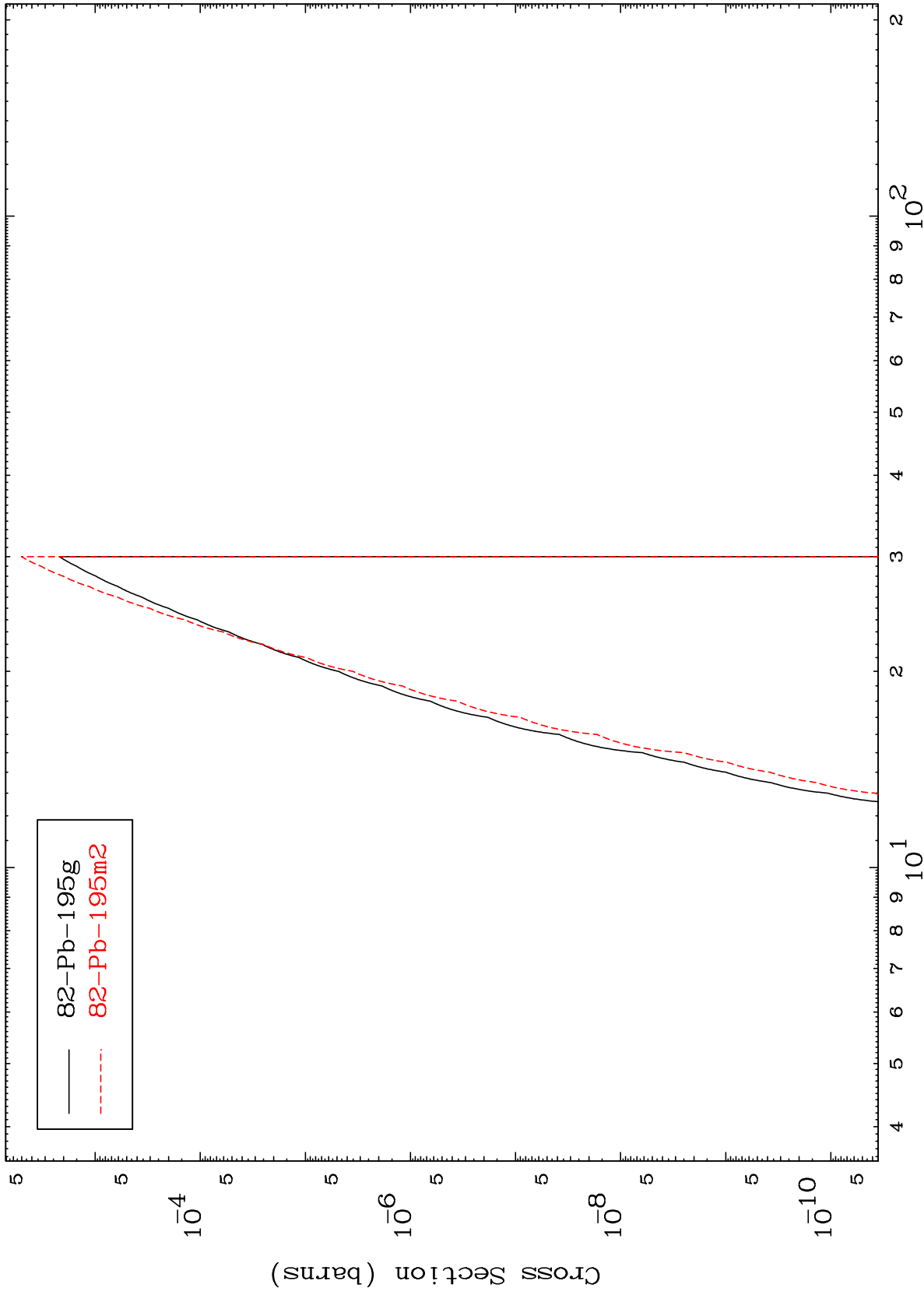
84-Po-200

MAT 8407

$(n, 2n) \alpha$

84-Po-200

Radionuclide Production Cross Section



82

Incident Energy (MeV)

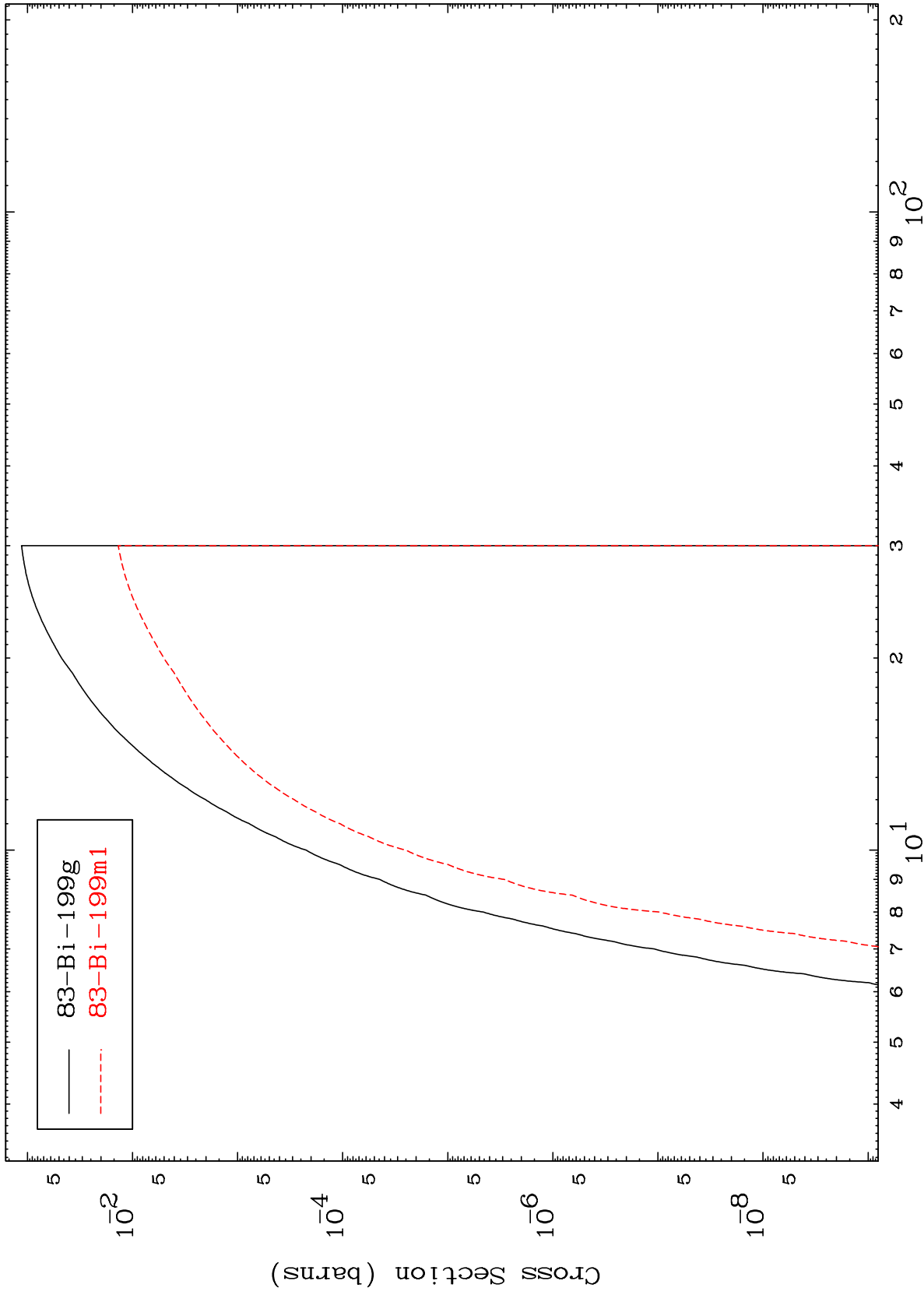
84-Po-200

MAT 8407

(n,n') p

84-Po-200

Radionuclide Production Cross Section



83-Bi-199g
83-Bi-199m1

83

Incident Energy (MeV)

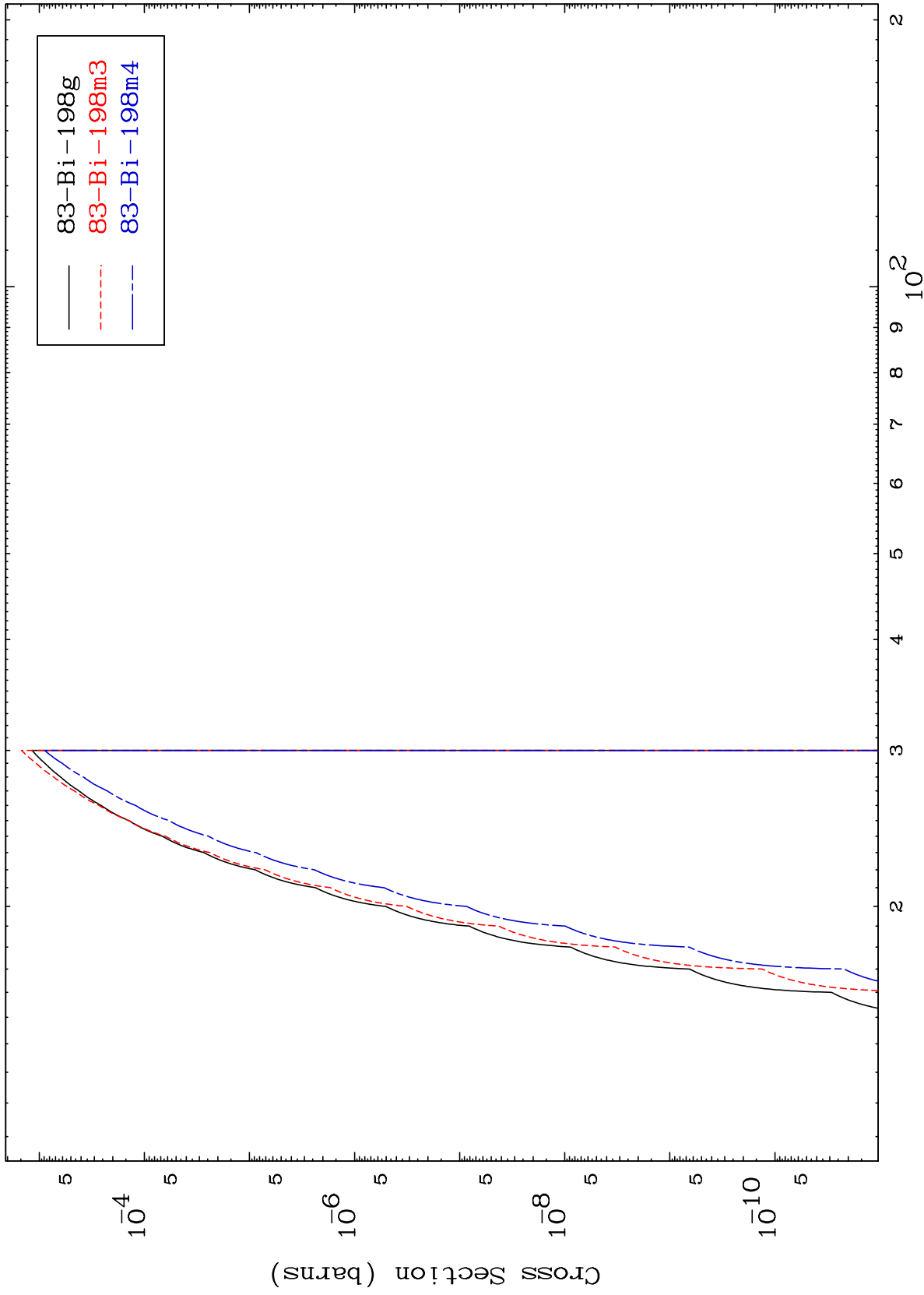
84-Po-200

MAT 8407

(n,n') d

84-Po-200

Radionuclide Production Cross Section



84

Incident Energy (MeV)

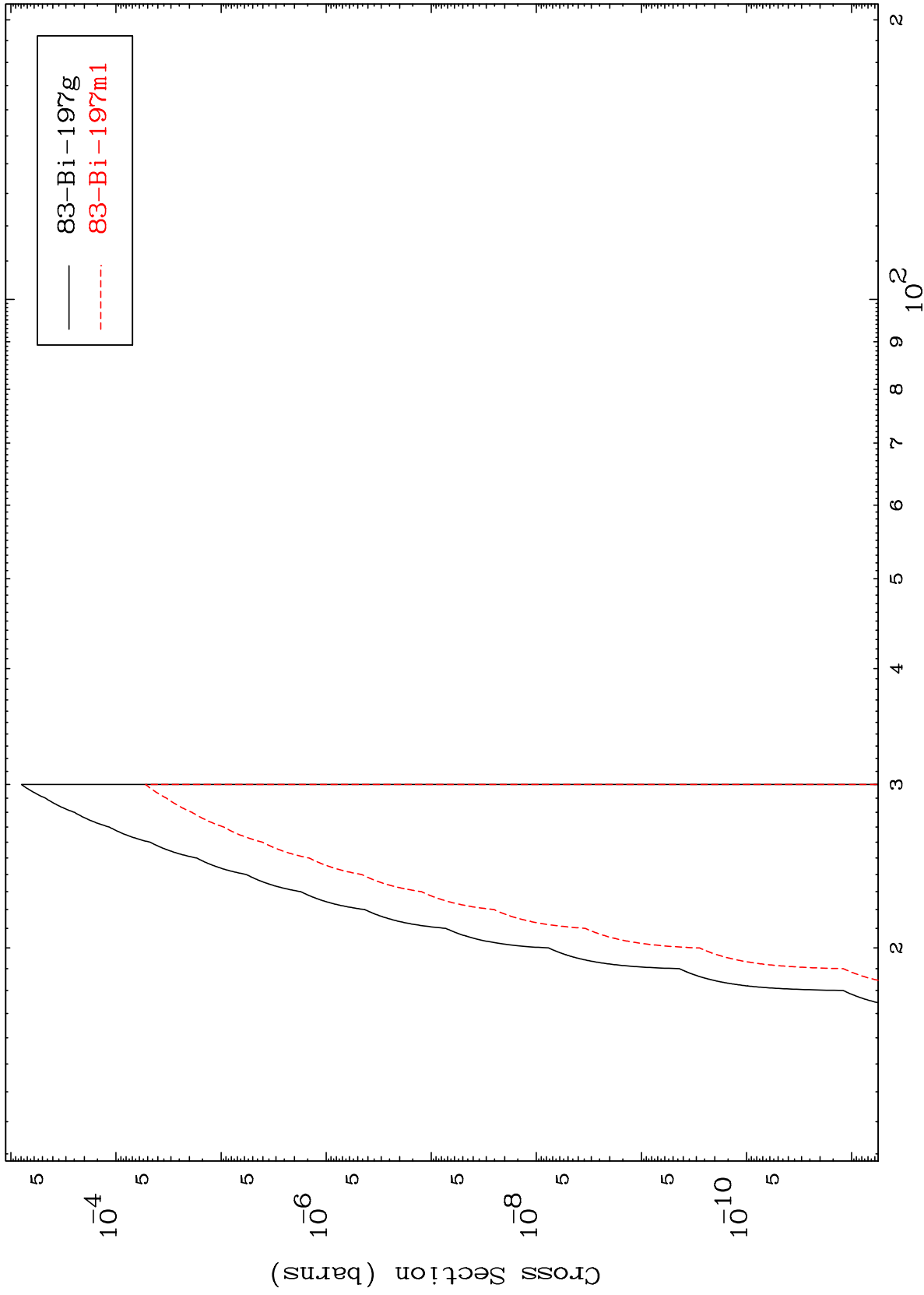
84-Po-200

MAT 8407

(n,n') t

84-Po-200

Radionuclide Production Cross Section



85

Incident Energy (MeV)

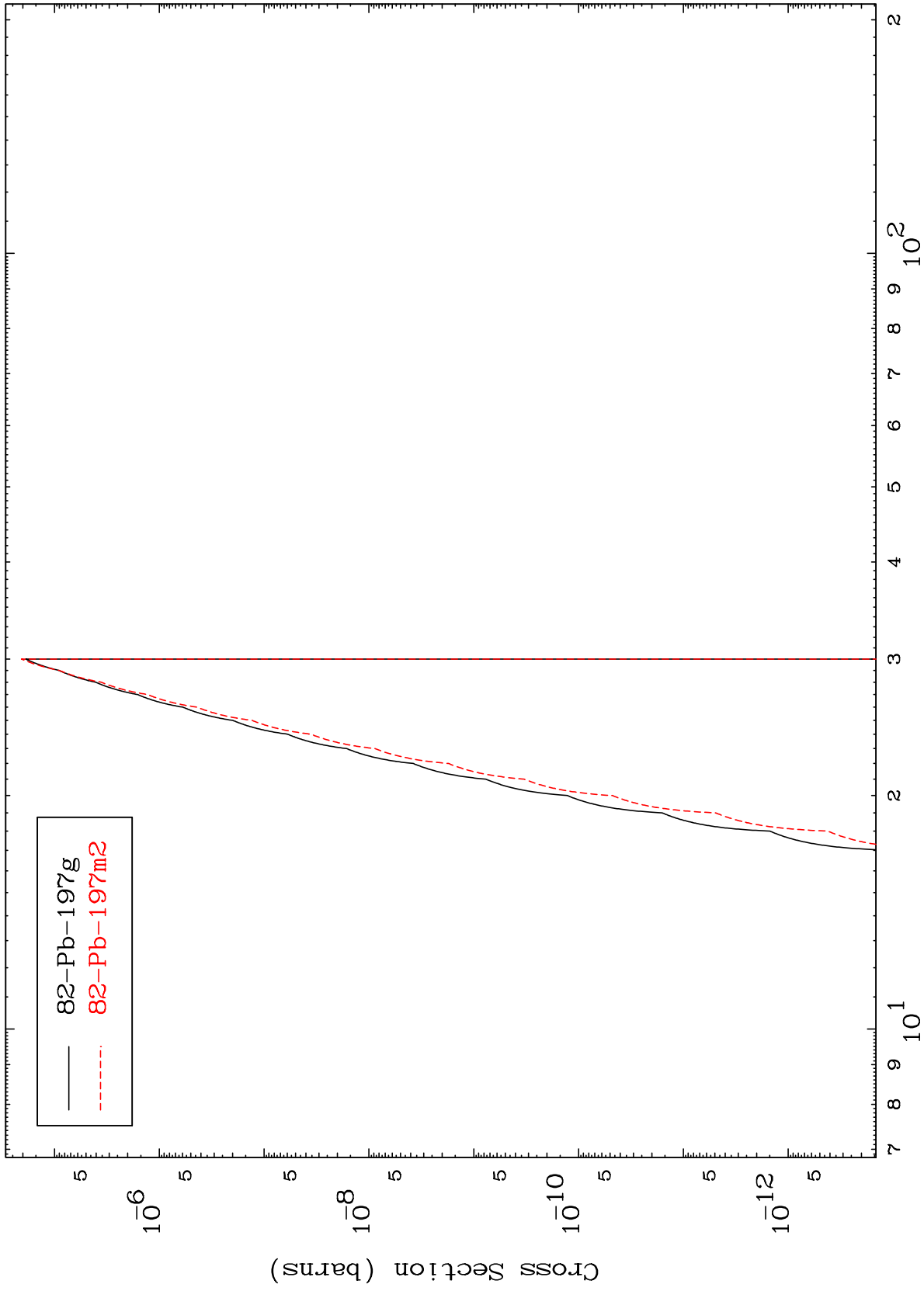
84-Po-200

MAT 8407

(n, n') He-3

84-Po-200

Radionuclide Production Cross Section



86

Incident Energy (MeV)

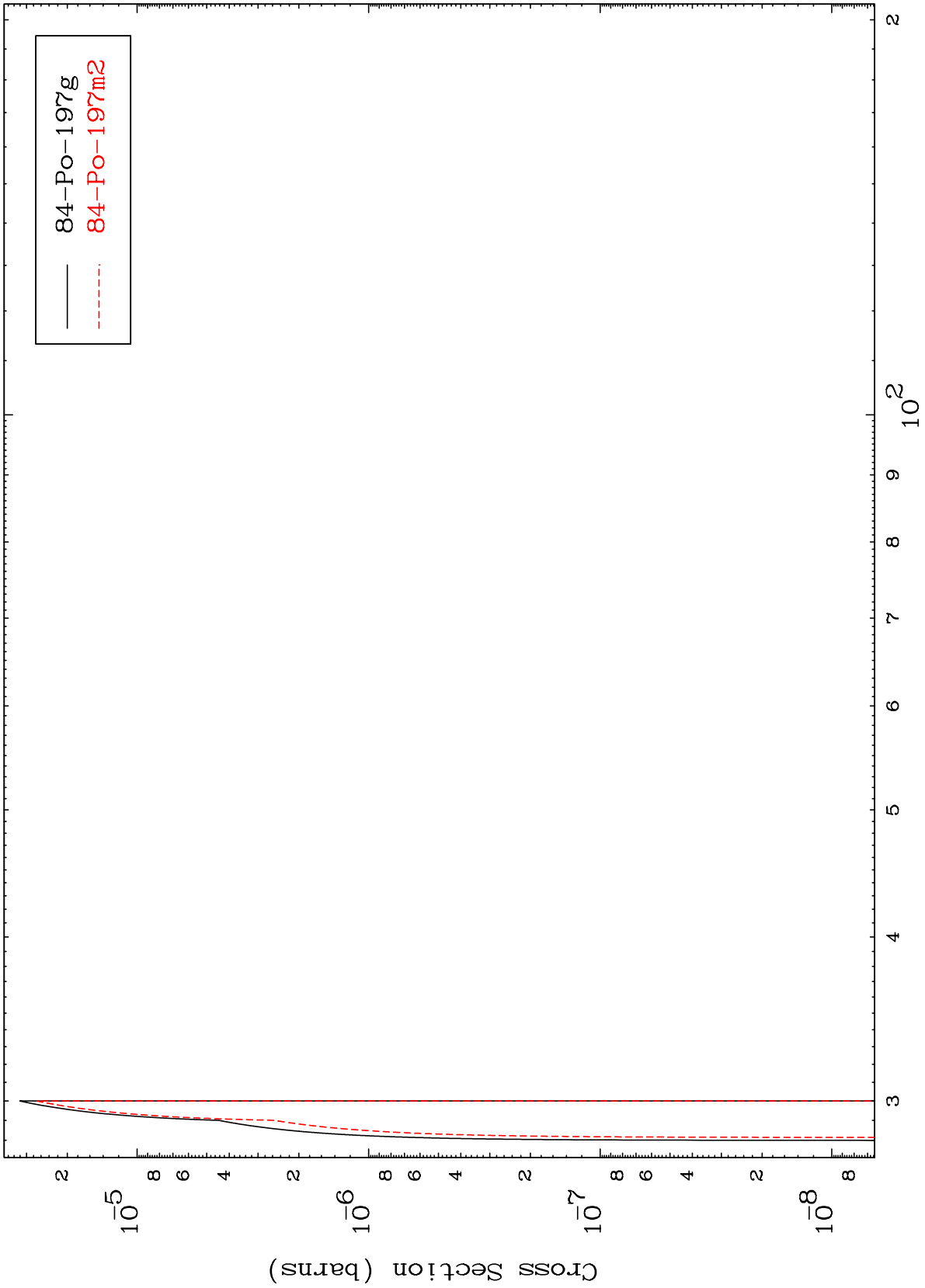
84-Po-200

MAT 8407

(n,4n)

84-Po-200

Radionuclide Production Cross Section



87

Incident Energy (MeV)

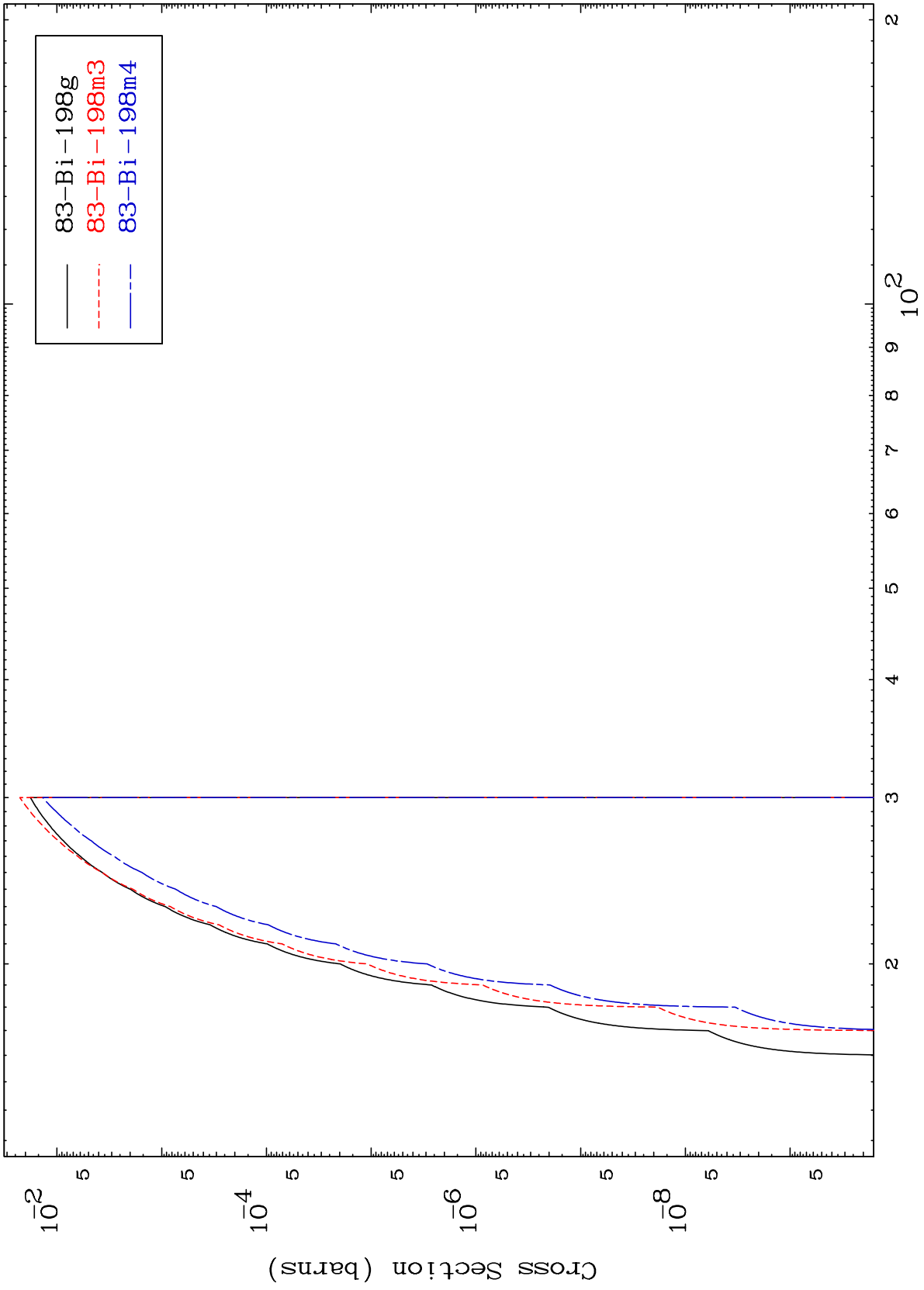
84-Po-200

MAT 8407

(n,2n) p

84-Po-200

Radionuclide Production Cross Section



88

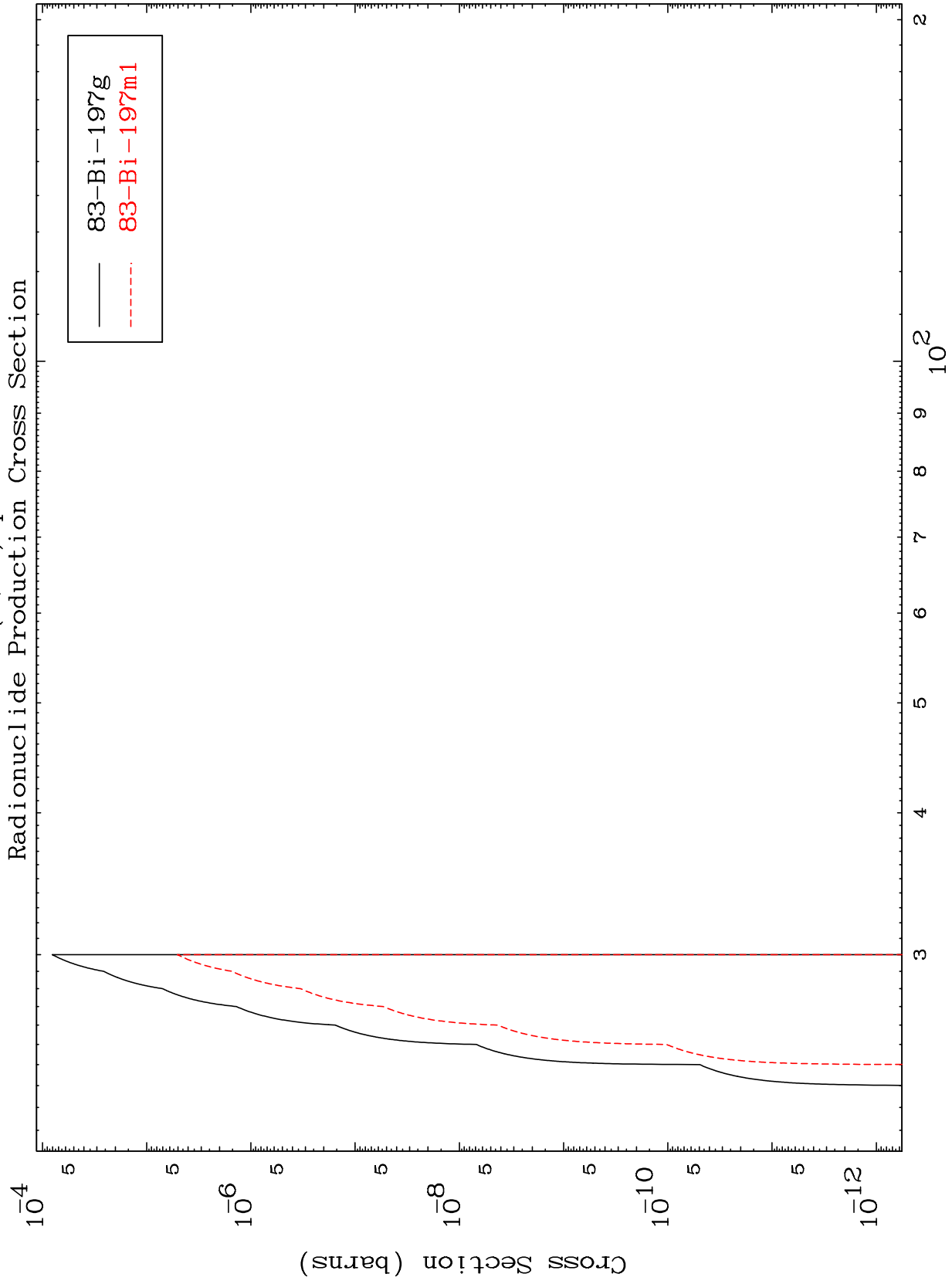
Incident Energy (MeV)

84-Po-200

MAT 8407

(n,3n) p

84-Po-200



89

Incident Energy (MeV)

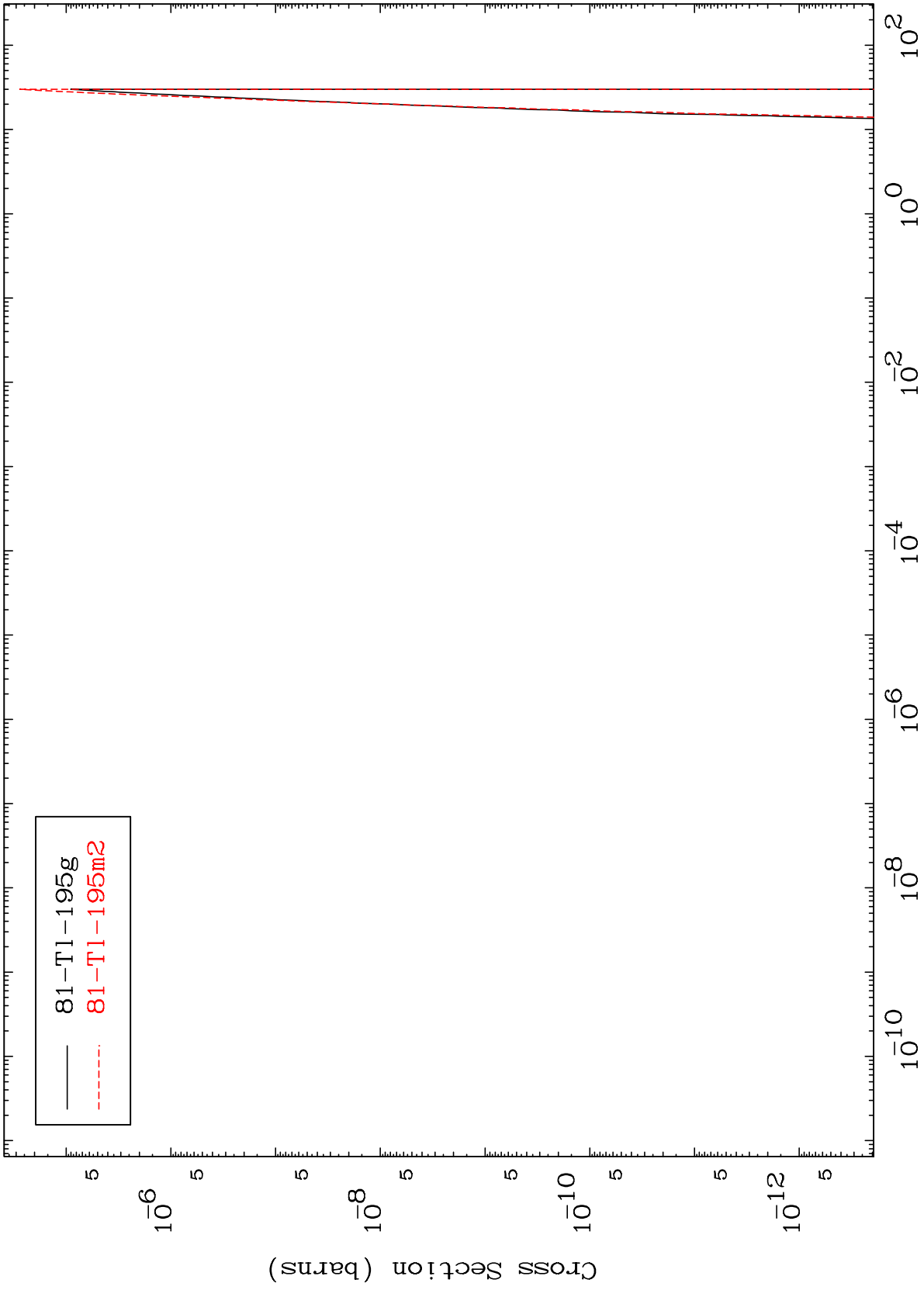
84-Po-200

MAT 8407

(n,n') p α

84-Po-200

Radionuclide Production Cross Section



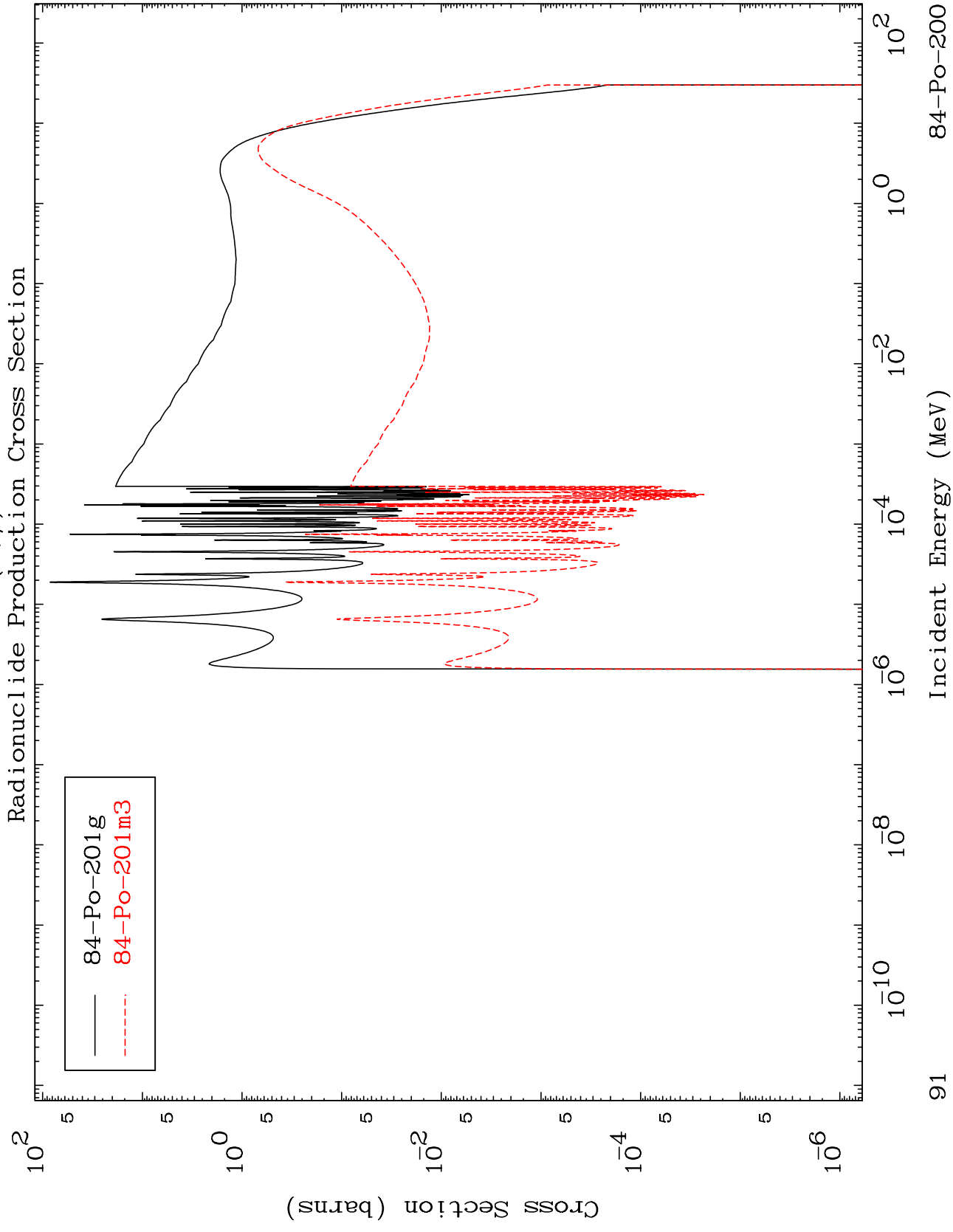
90

Incident Energy (MeV)

84-Po-200

MAT 8407

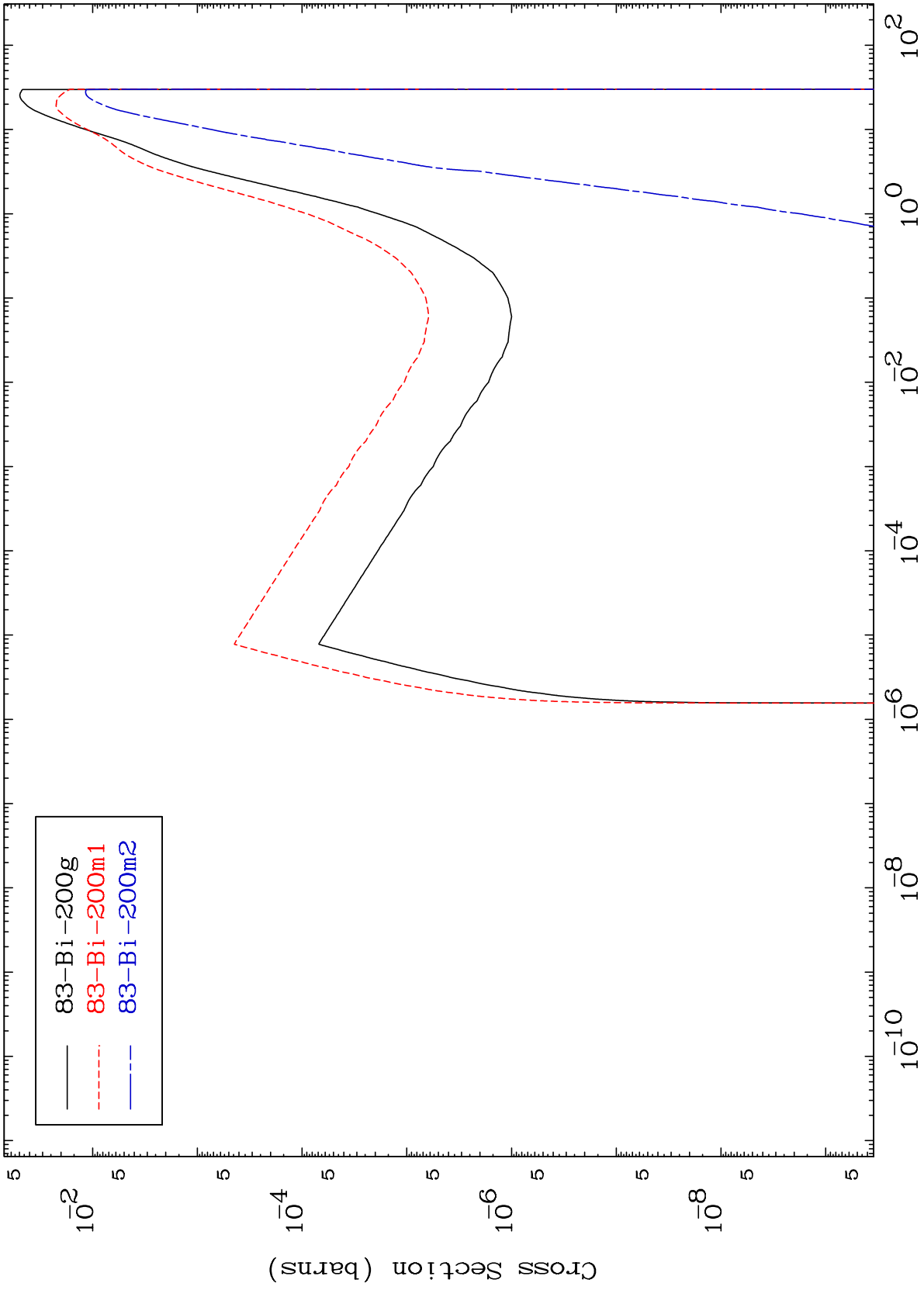
84-Po-200



MAT 8407

(n,p)
Radionuclide Production Cross Section

84-Po-200



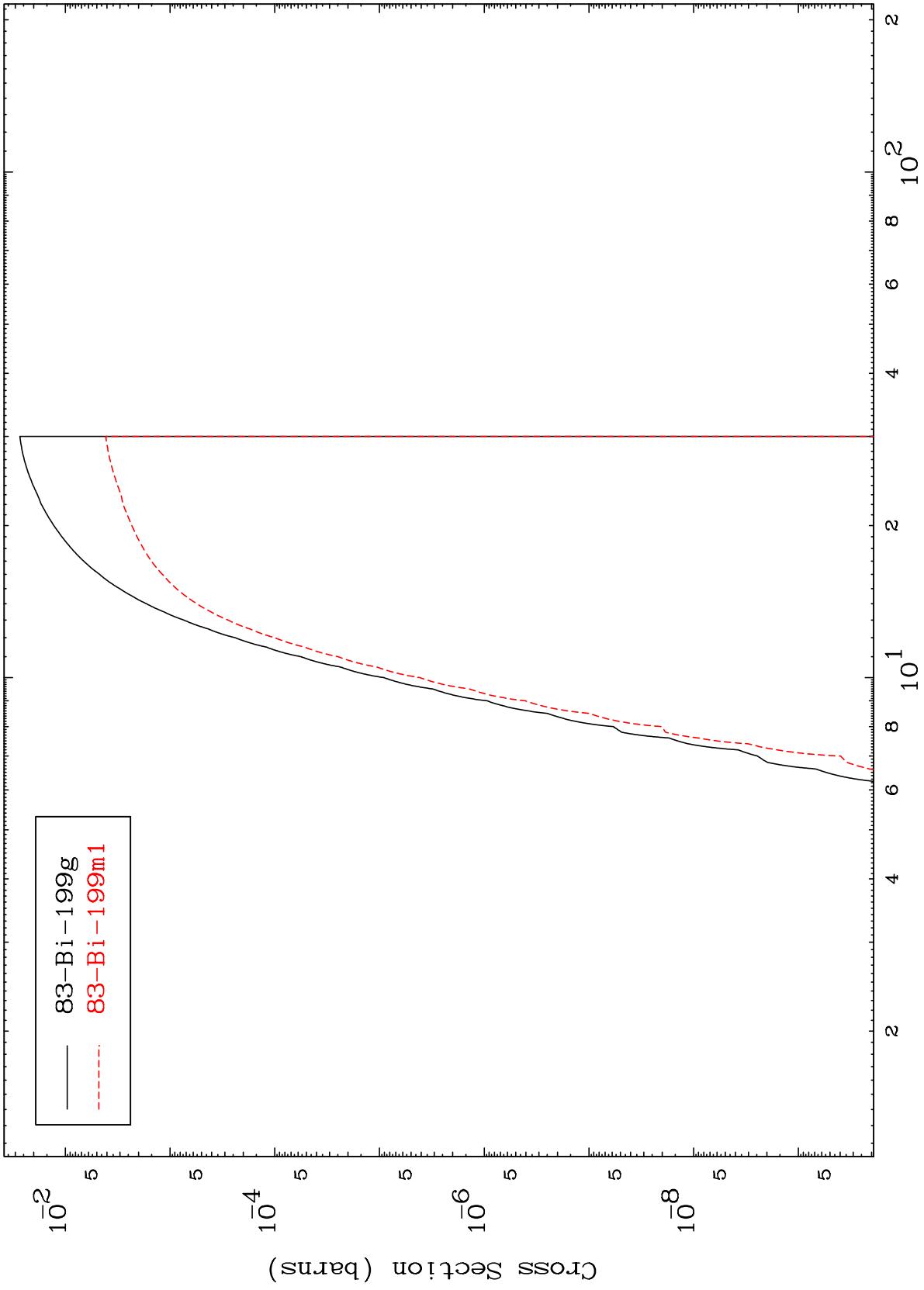
92

84-Po-200

MAT 8407

(n,d)
Radionuclide Production Cross Section

84-Po-200



83-Bi-199g
83-Bi-199m1

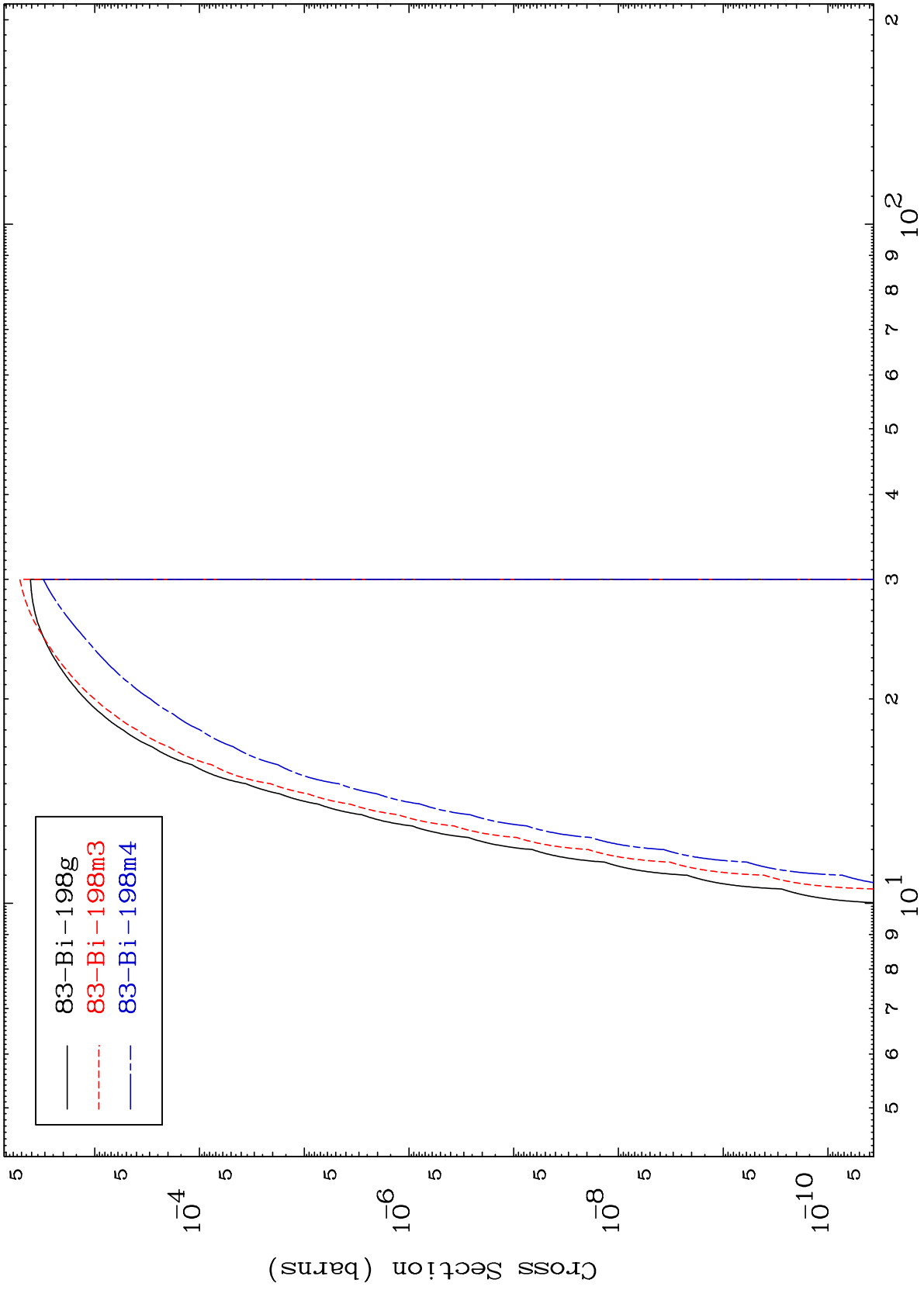
93

84-Po-200

MAT 8407

84-Po-200

(n, t)
Radionuclide Production Cross Section



94

Incident Energy (MeV)

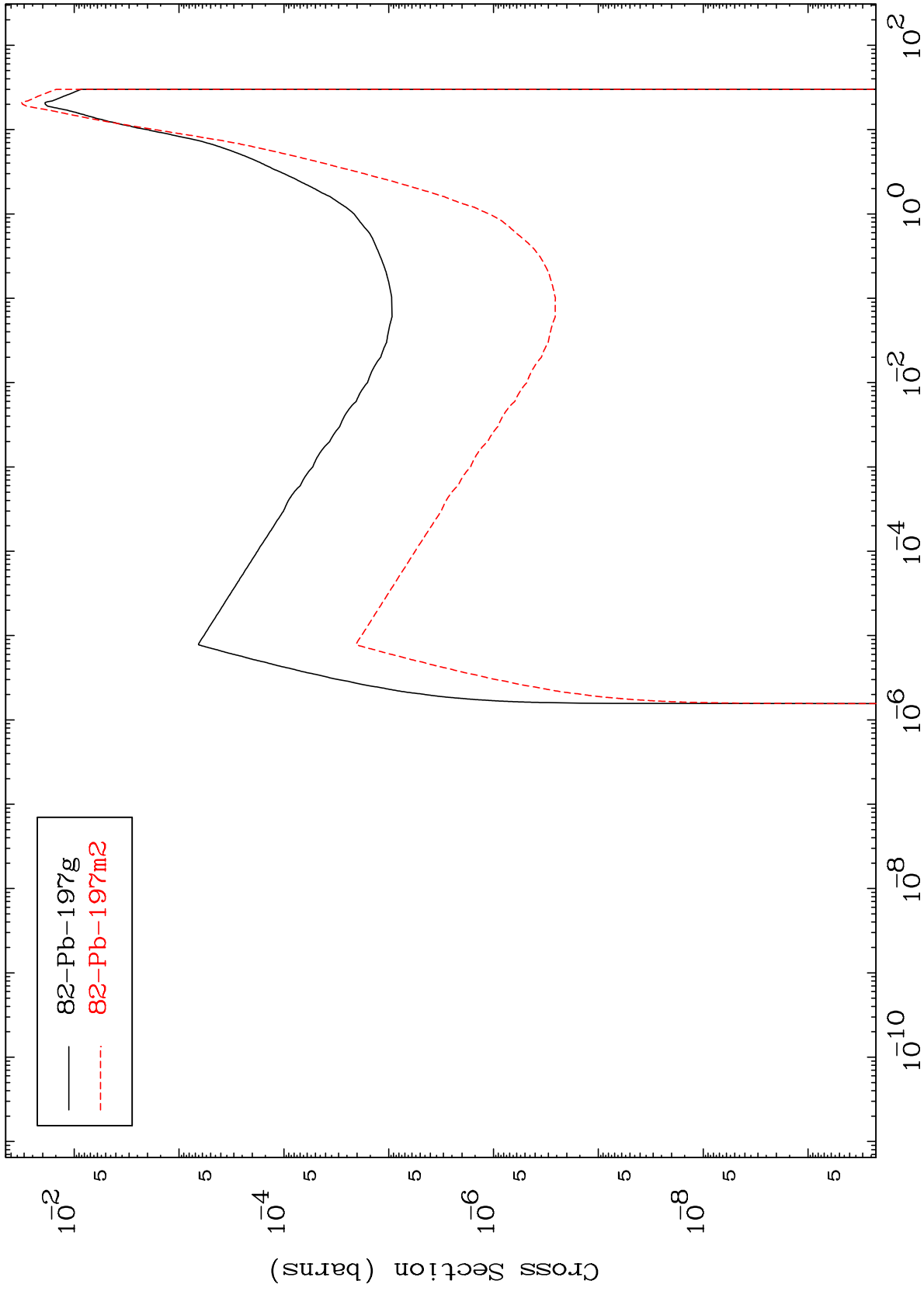
84-Po-200

MAT 8407

(n, α)

84-Po-200

Radionuclide Production Cross Section



95

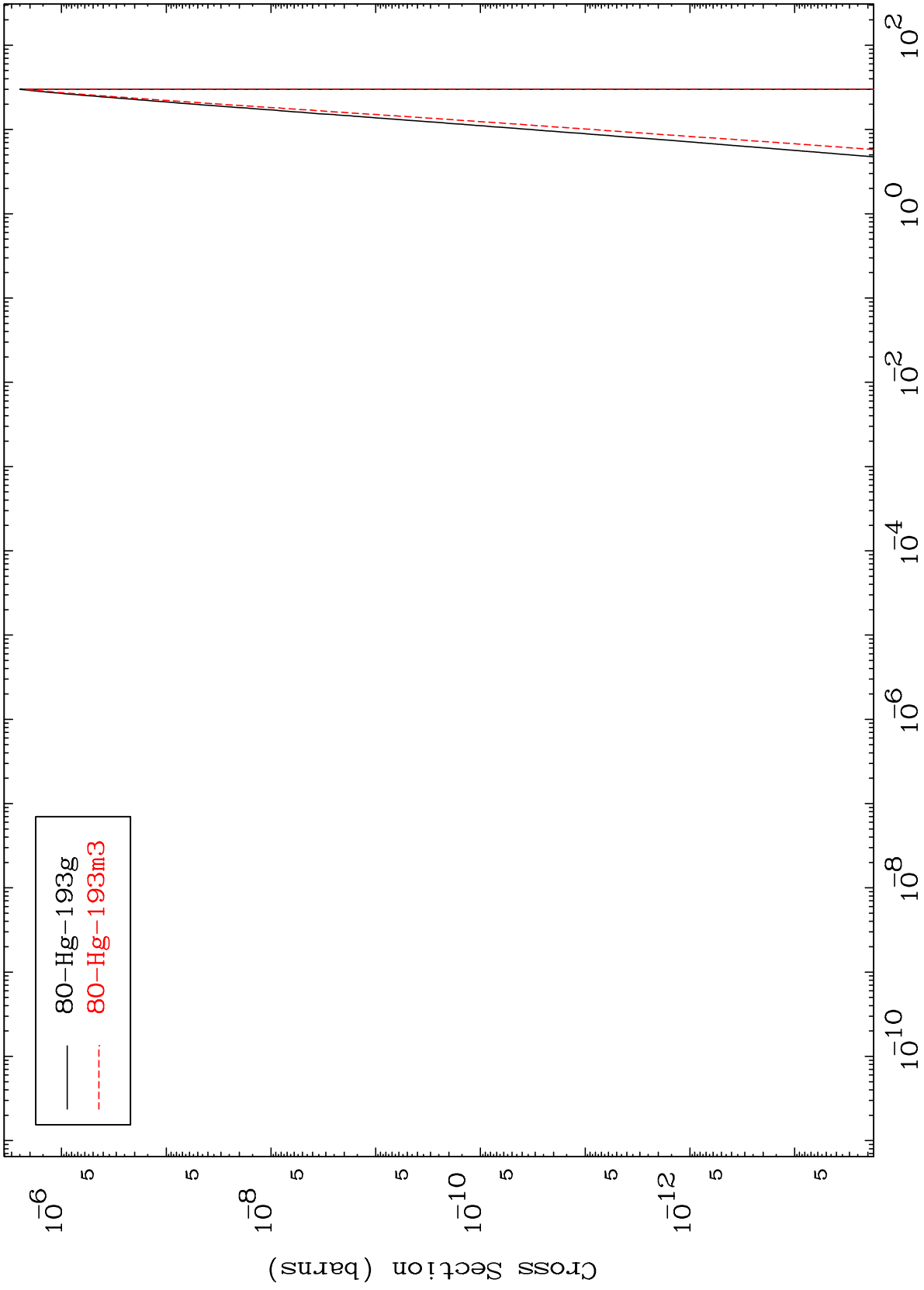
Incident Energy (MeV)

84-Po-200

MAT 8407

Radionuclide Production Cross Section
(n,2α)

84-Po-200



96

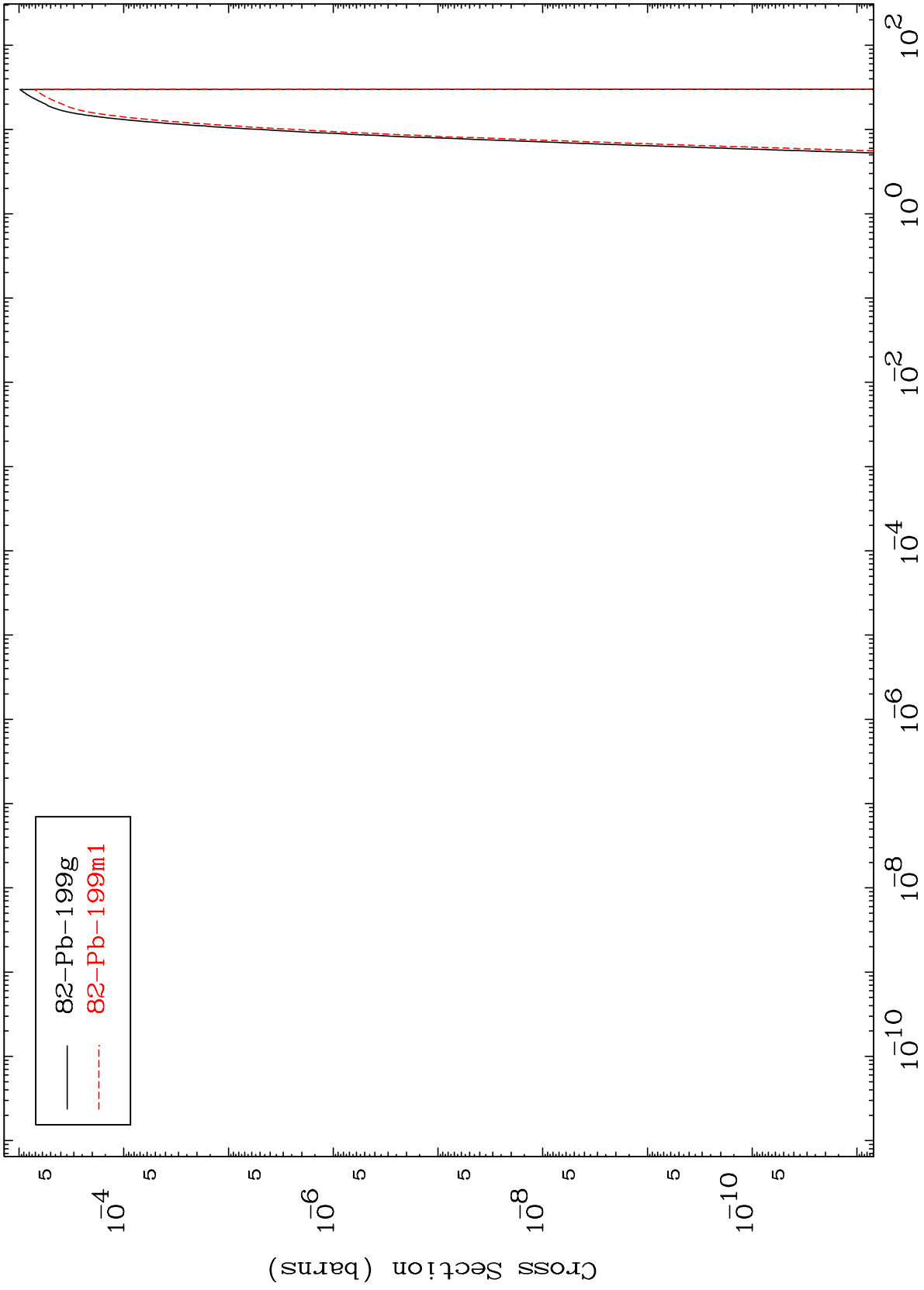
Incident Energy (MeV)

84-Po-200

MAT 8407

(n,2p)
Radionuclide Production Cross Section

84-Po-200

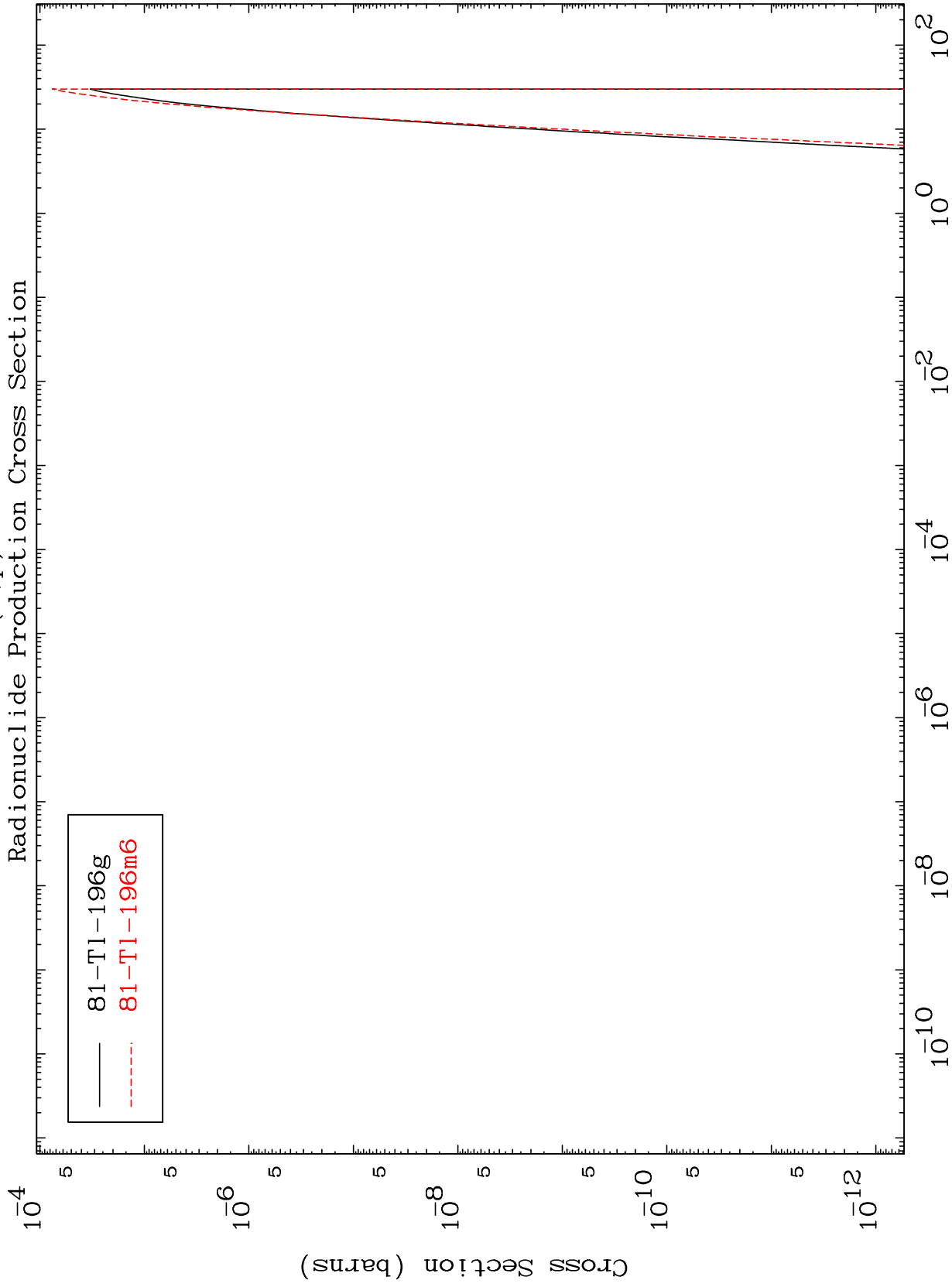


MAT 8407

(n,p) α

84-Po-200

Radionuclide Production Cross Section



81-Tl-196g
81-Tl-196m6

98

Incident Energy (MeV)

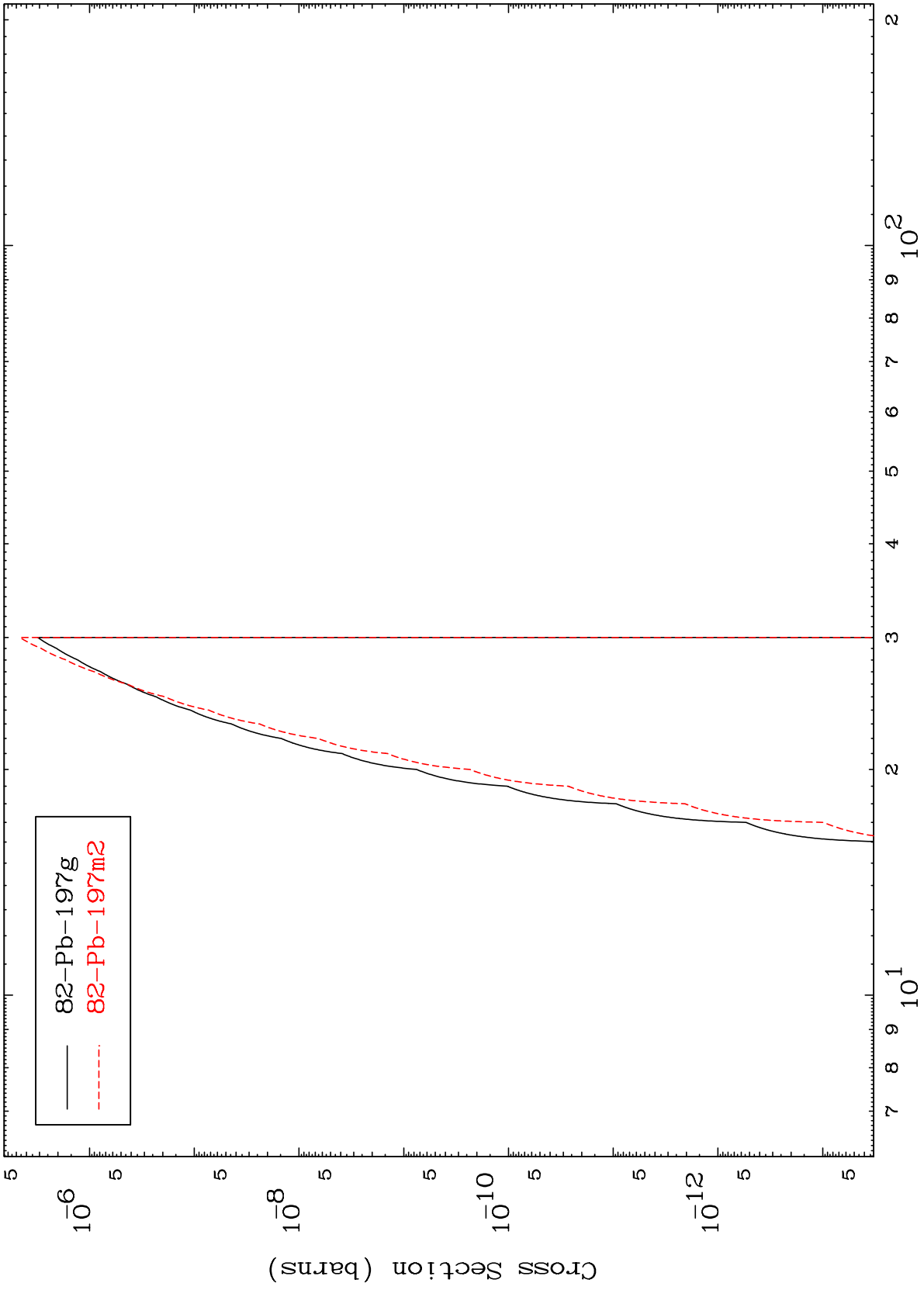
84-Po-200

MAT 8407

(n,p) t

84-Po-200

Radionuclide Production Cross Section



99

Incident Energy (MeV)

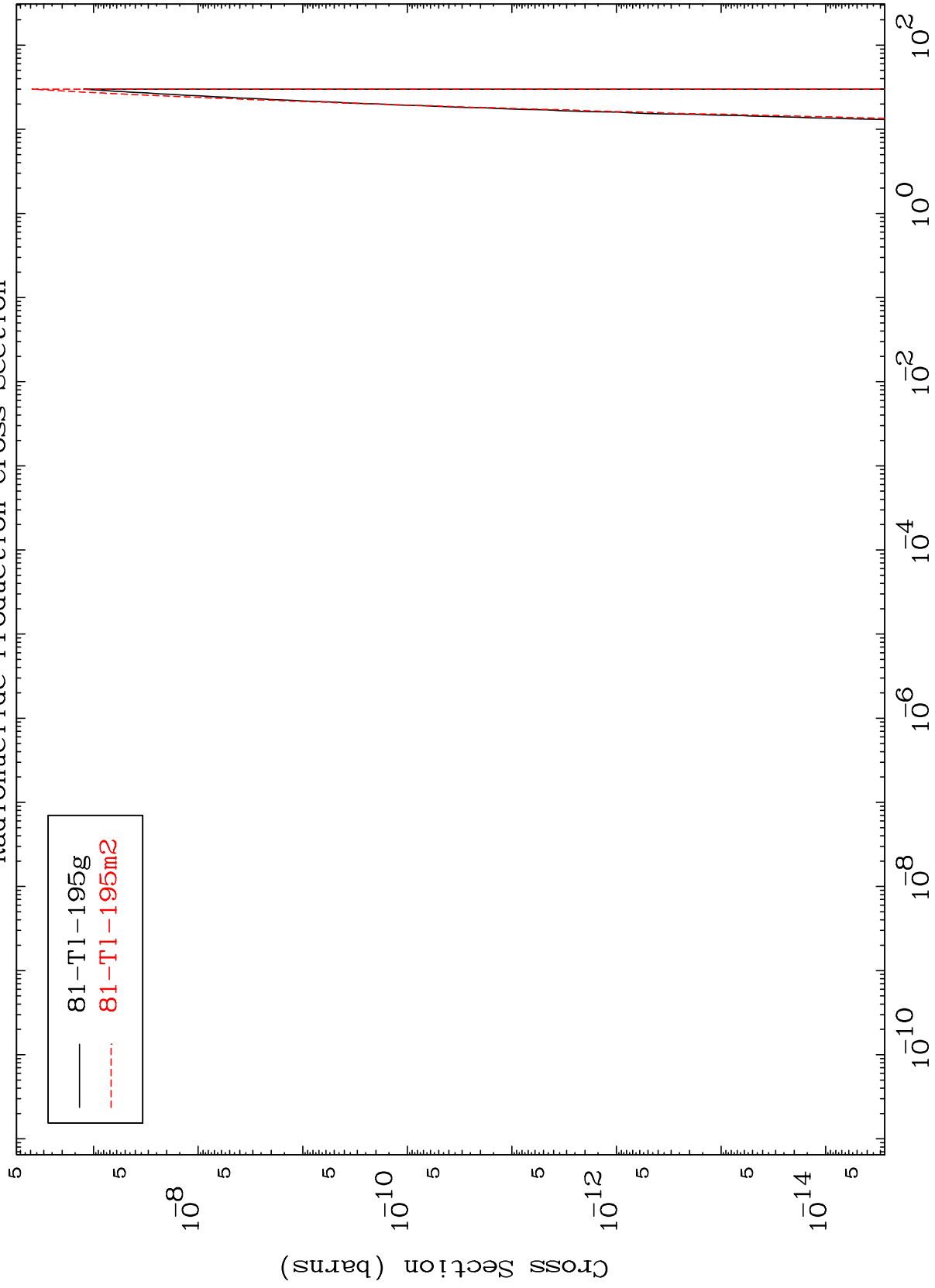
84-Po-200

MAT 8407

(n,d) α

84-Po-200

Radionuclide Production Cross Section



100

Incident Energy (MeV)

84-Po-200