

Program EVALPLOT
(Version 2018-1)

by

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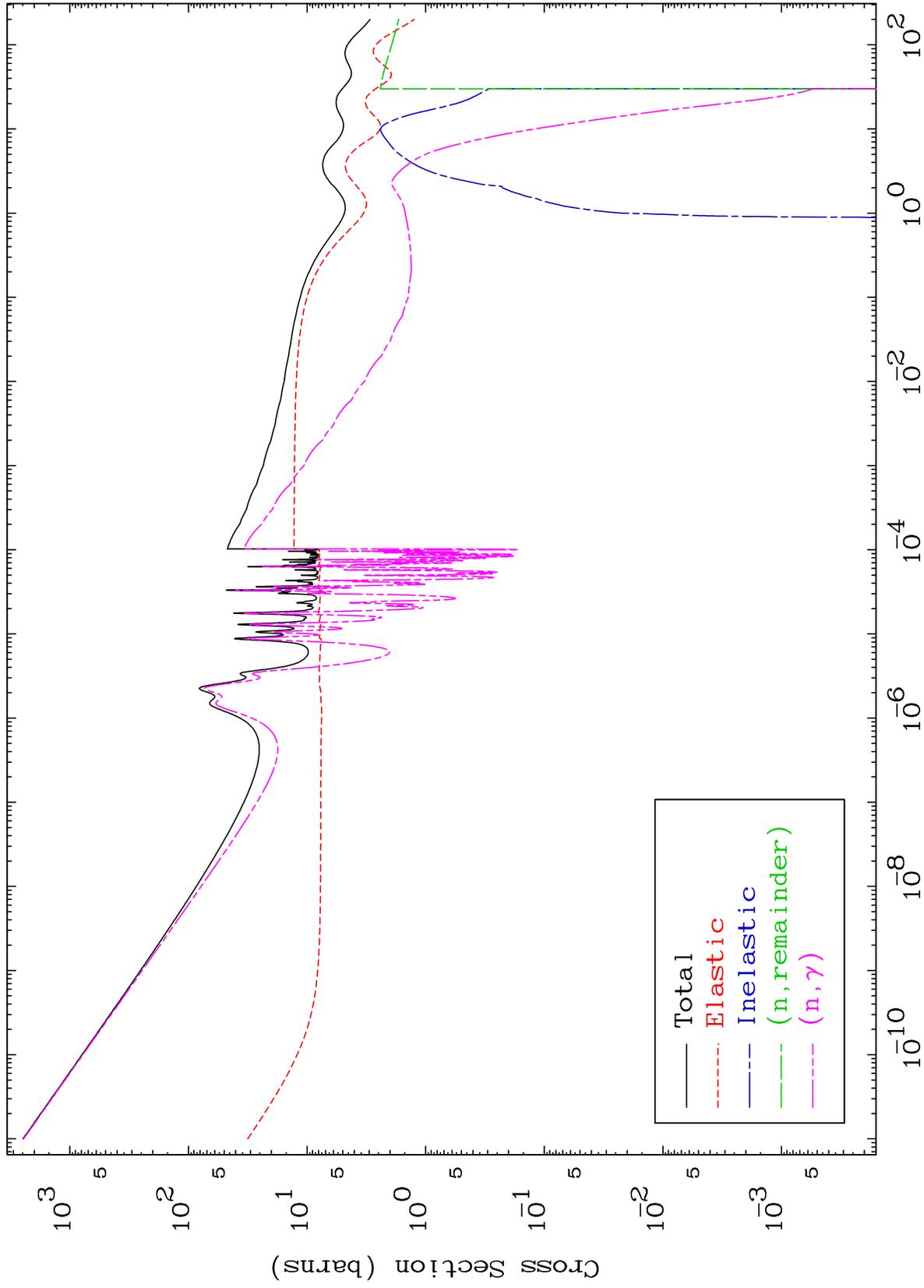
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8301

Major
293 Kelvin Cross Sections

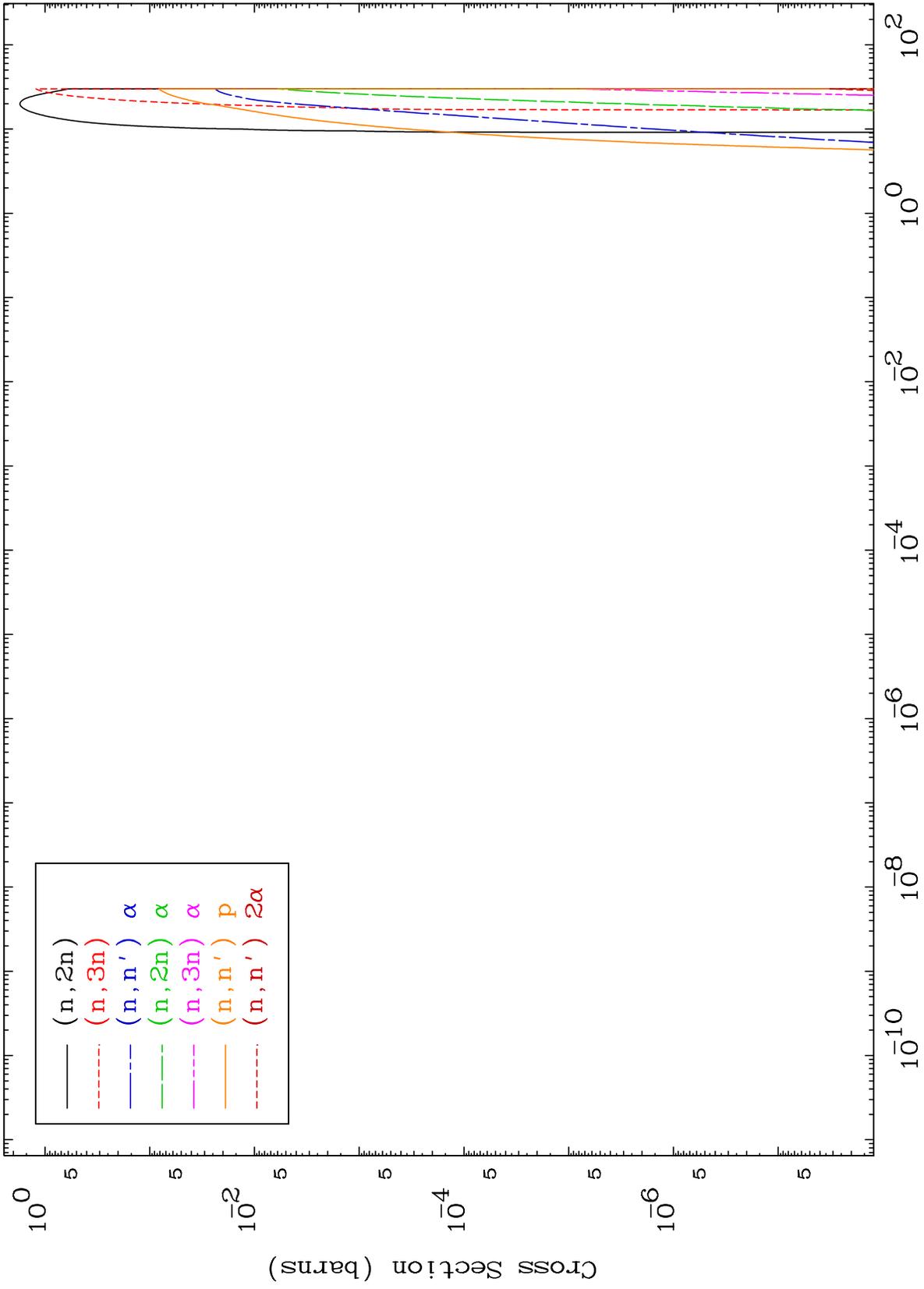
83-Bi-201



MAT 8301

Neutron Production
293 Kelvin Cross Sections

83-Bi-201

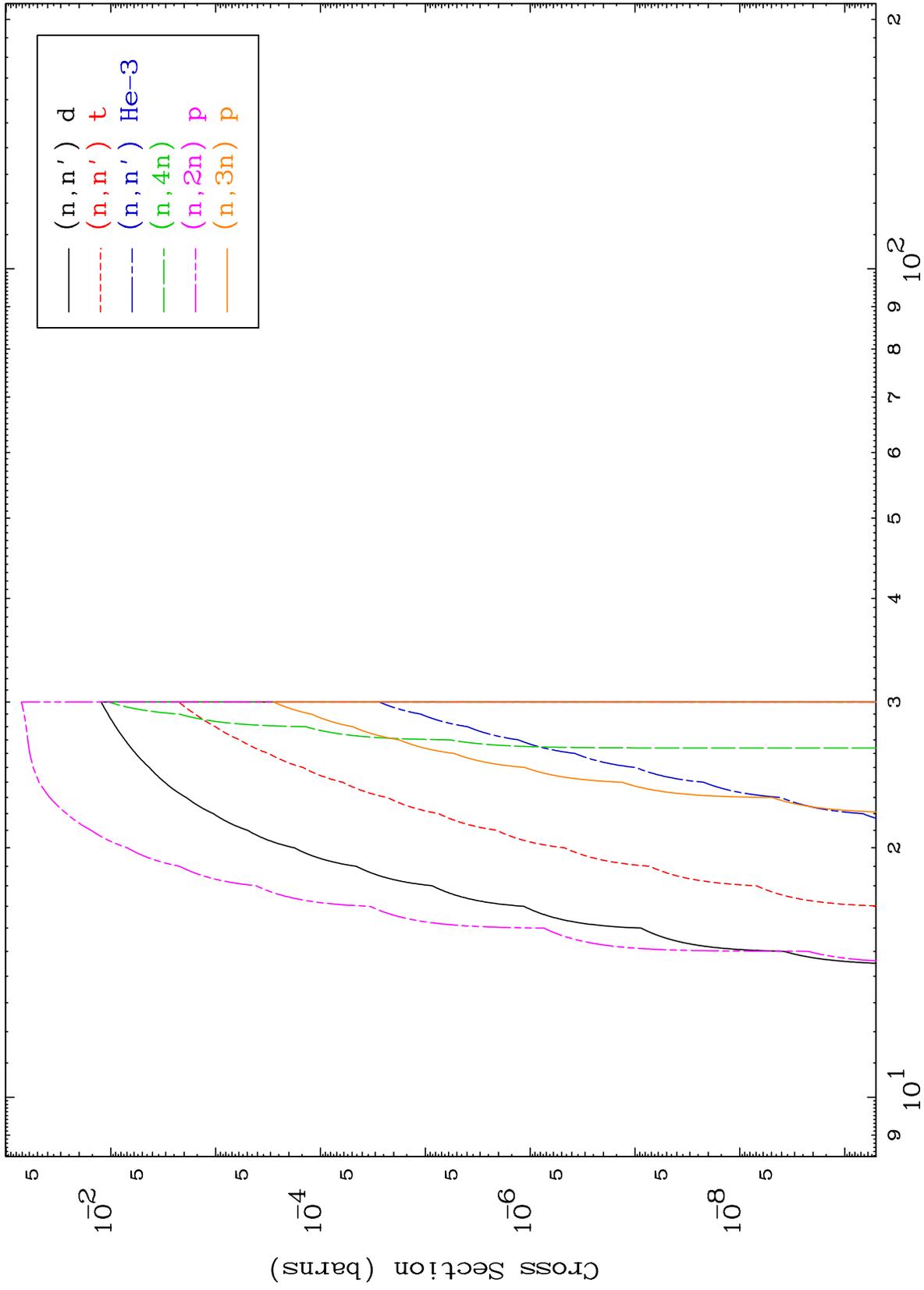


83-Bi-201

MAT 8301

Neutron Production
293 Kelvin Cross Sections

83-Bi-201



3

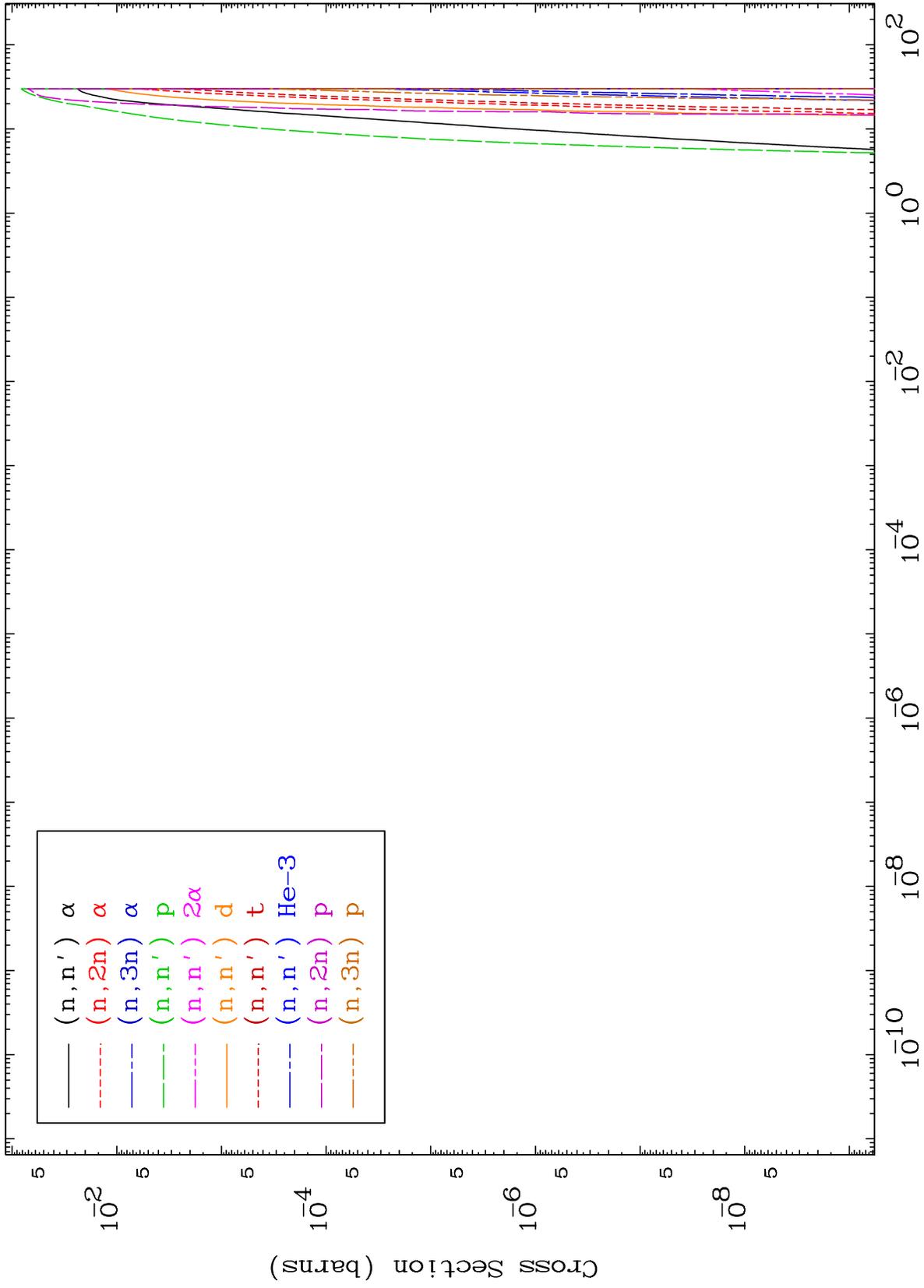
Incident Energy (MeV)

83-Bi-201

MAT 8301

Charged Particle
293 Kelvin Cross Sections

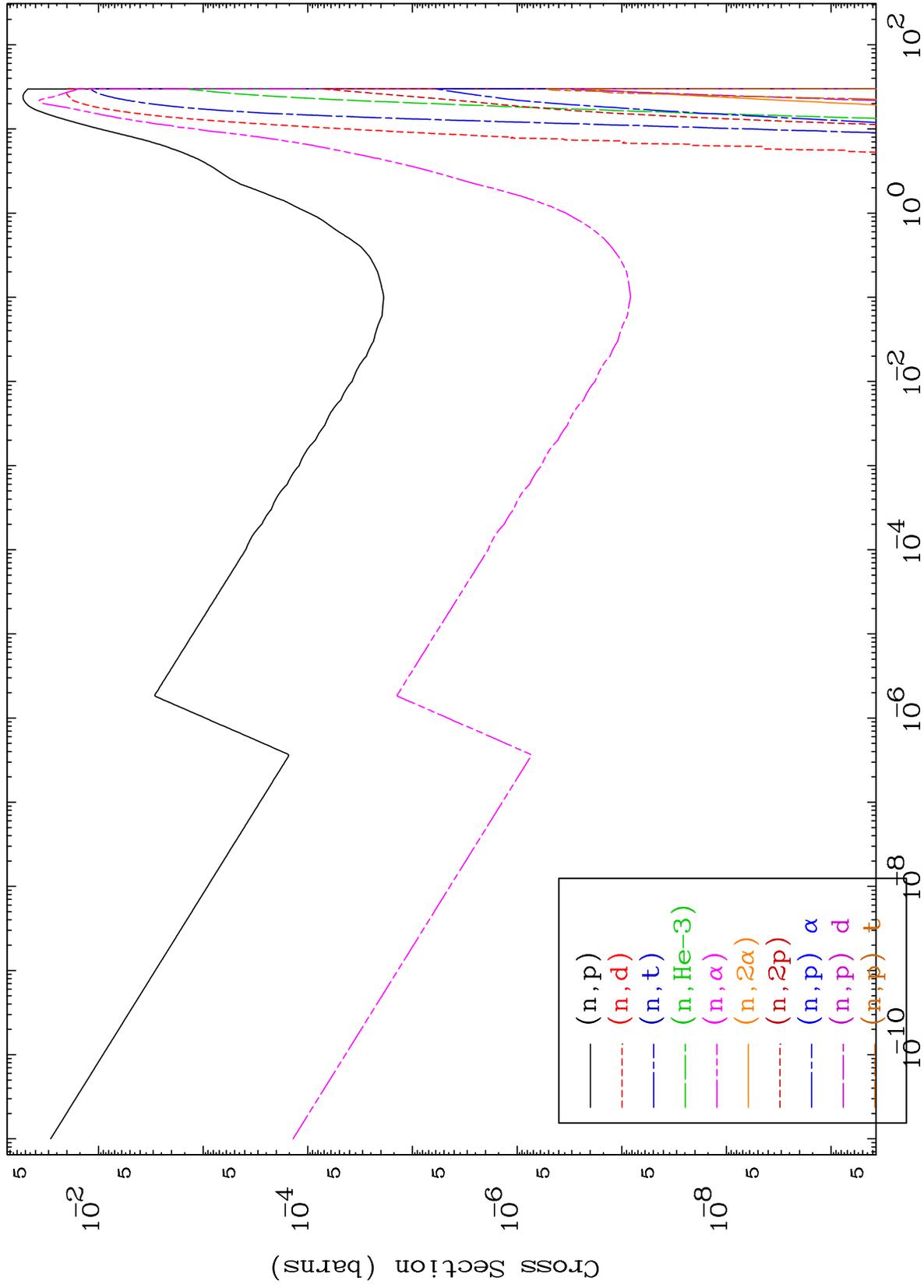
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MAT 8301

Charged Particle
293 Kelvin Cross Sections

83-Bi-201



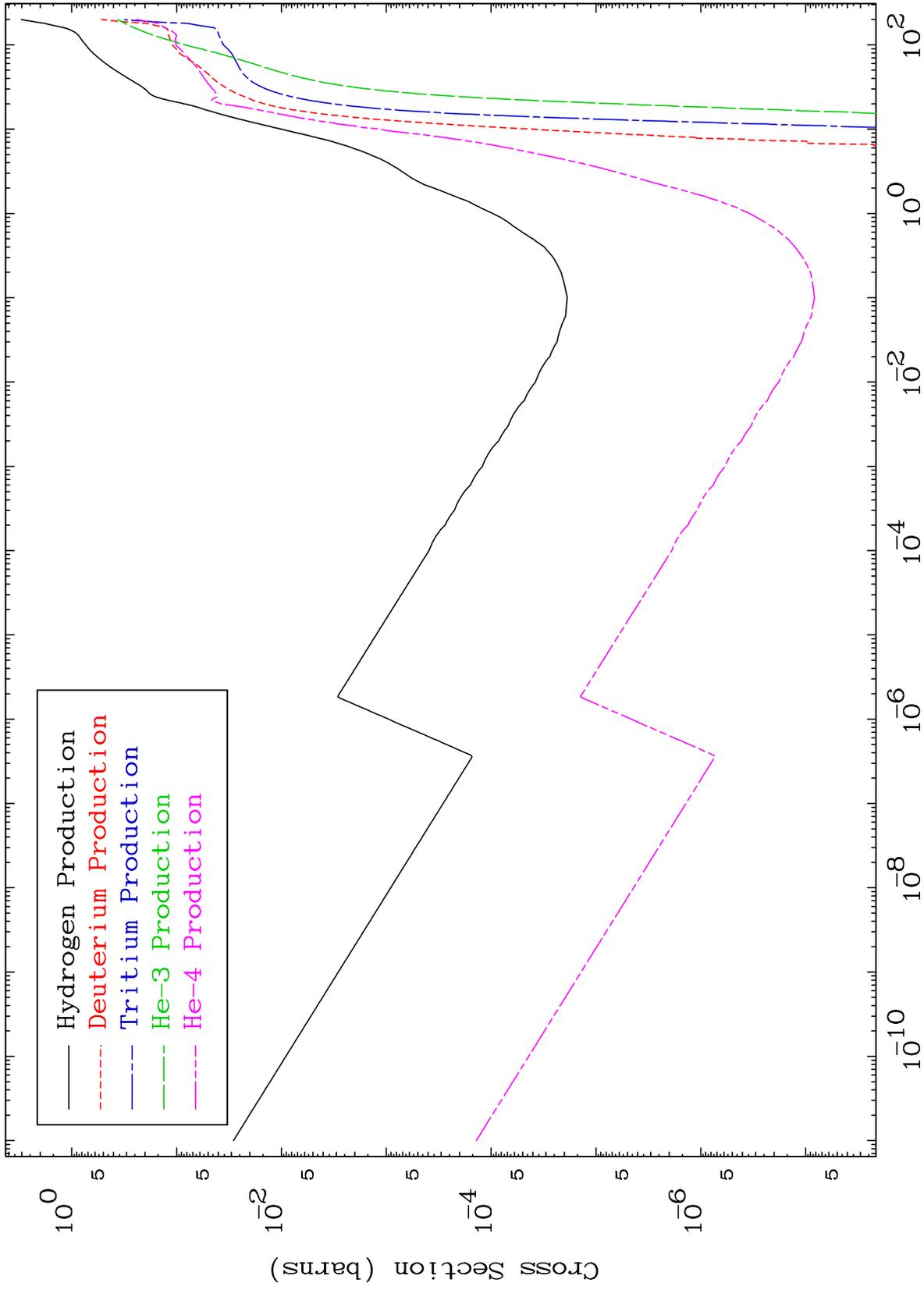
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83-Bi-201

MAT 8301

Particle Production
293 Kelvin Cross Sections

83-Bi-201



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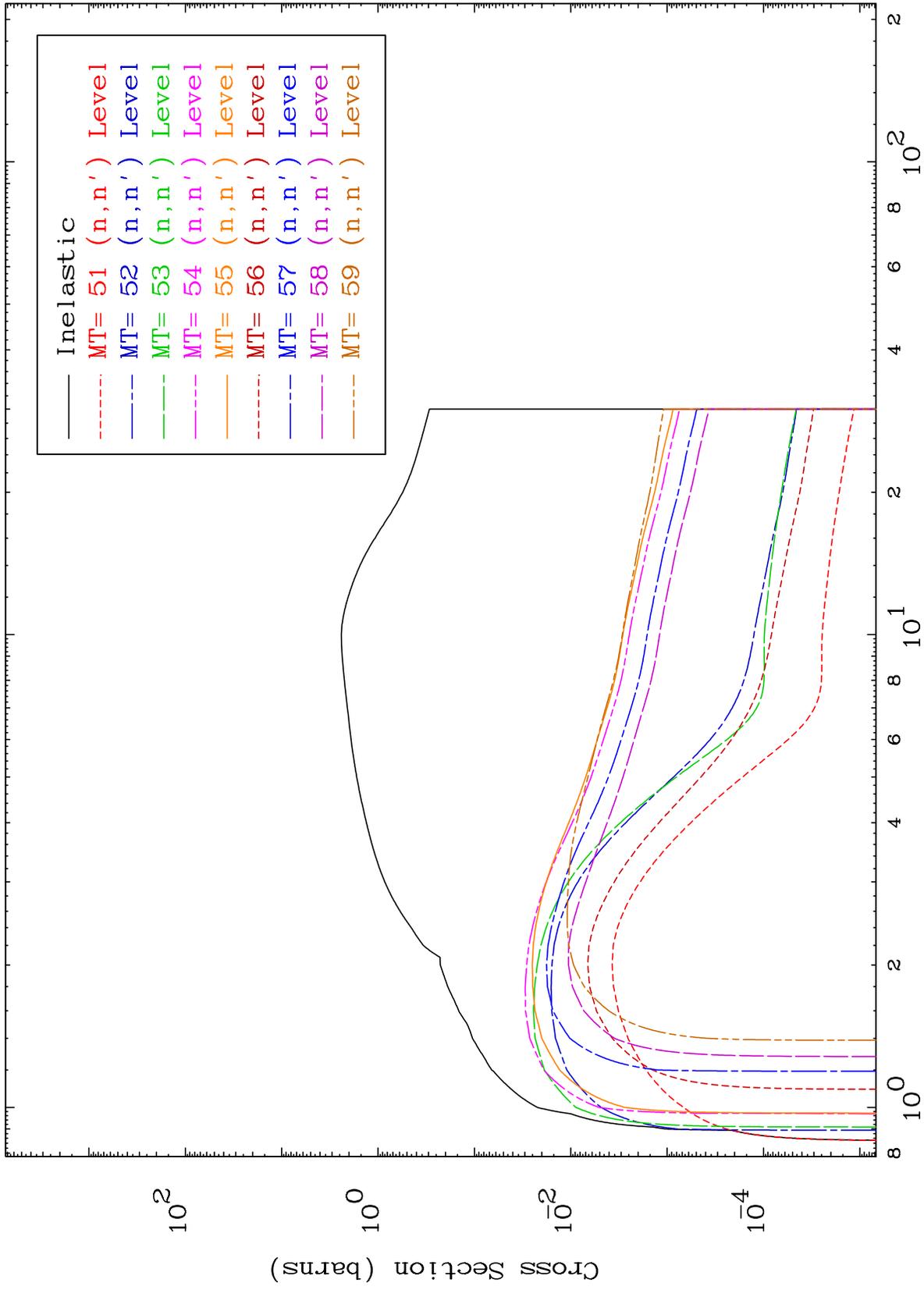
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MAT 8301

(n,n') Level

83-Bi-201

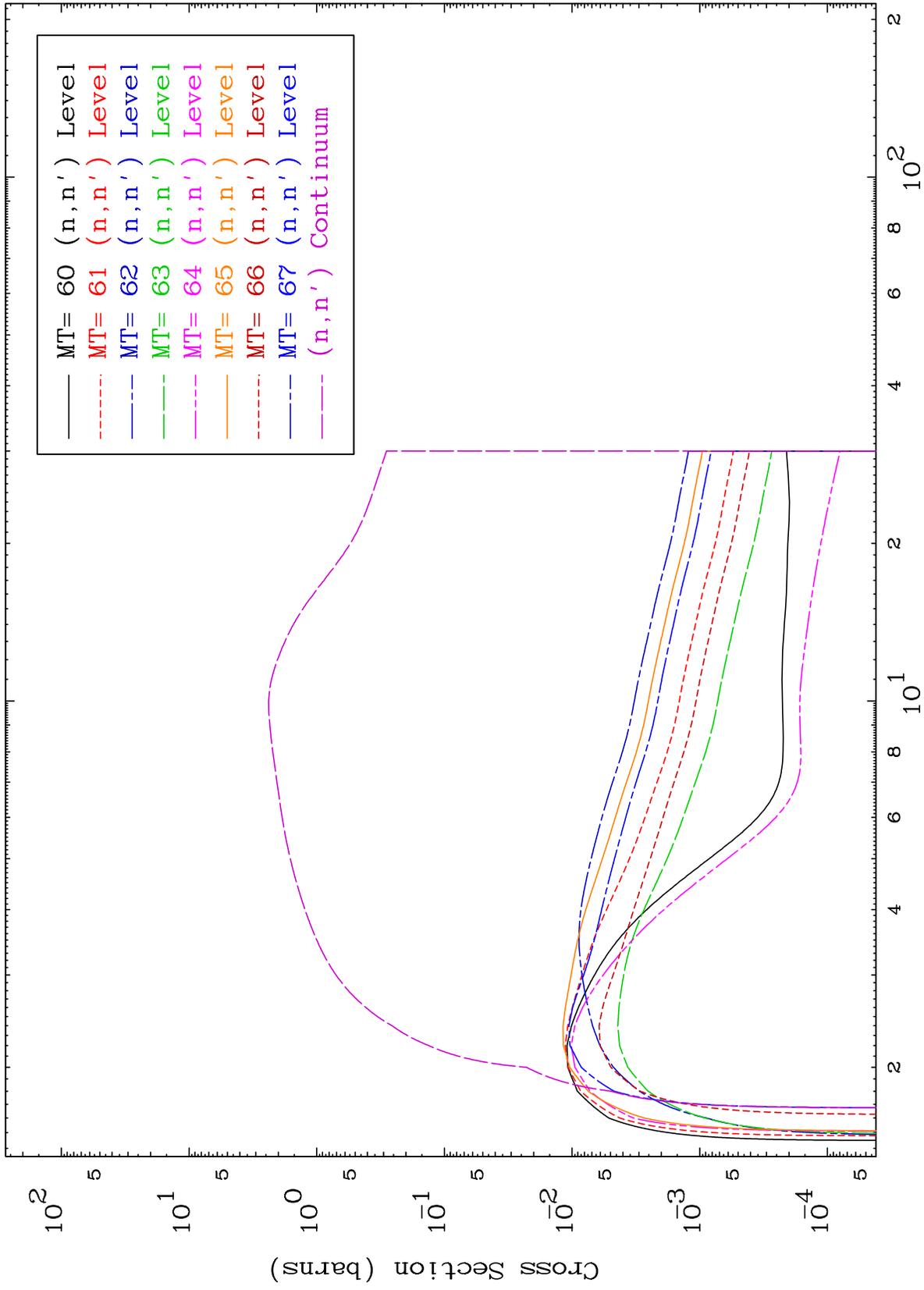
293 Kelvin Cross Sections



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Incident Energy (MeV)

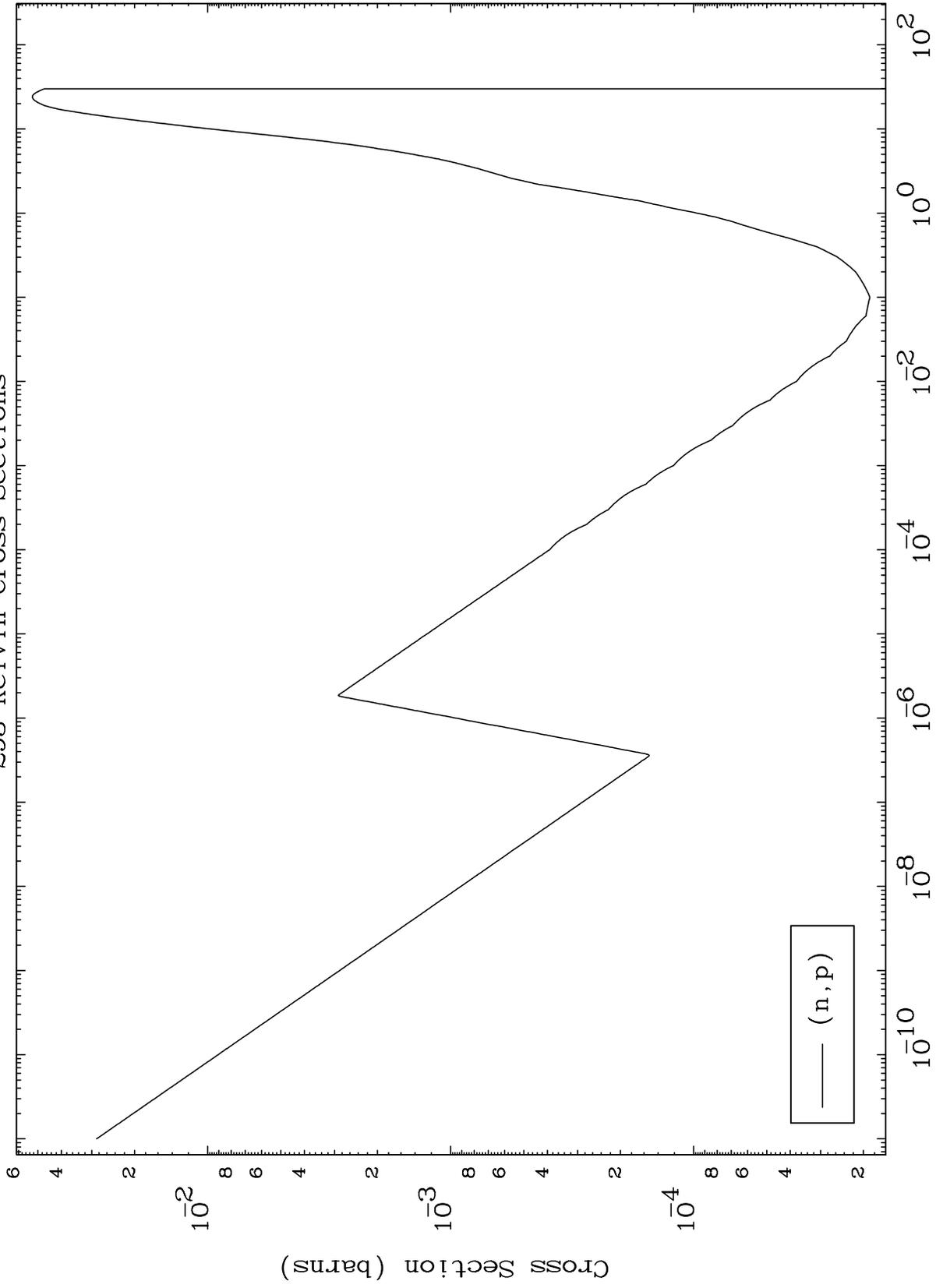
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MAT 8301

(n,p) Levels
293 Kelvin Cross Sections

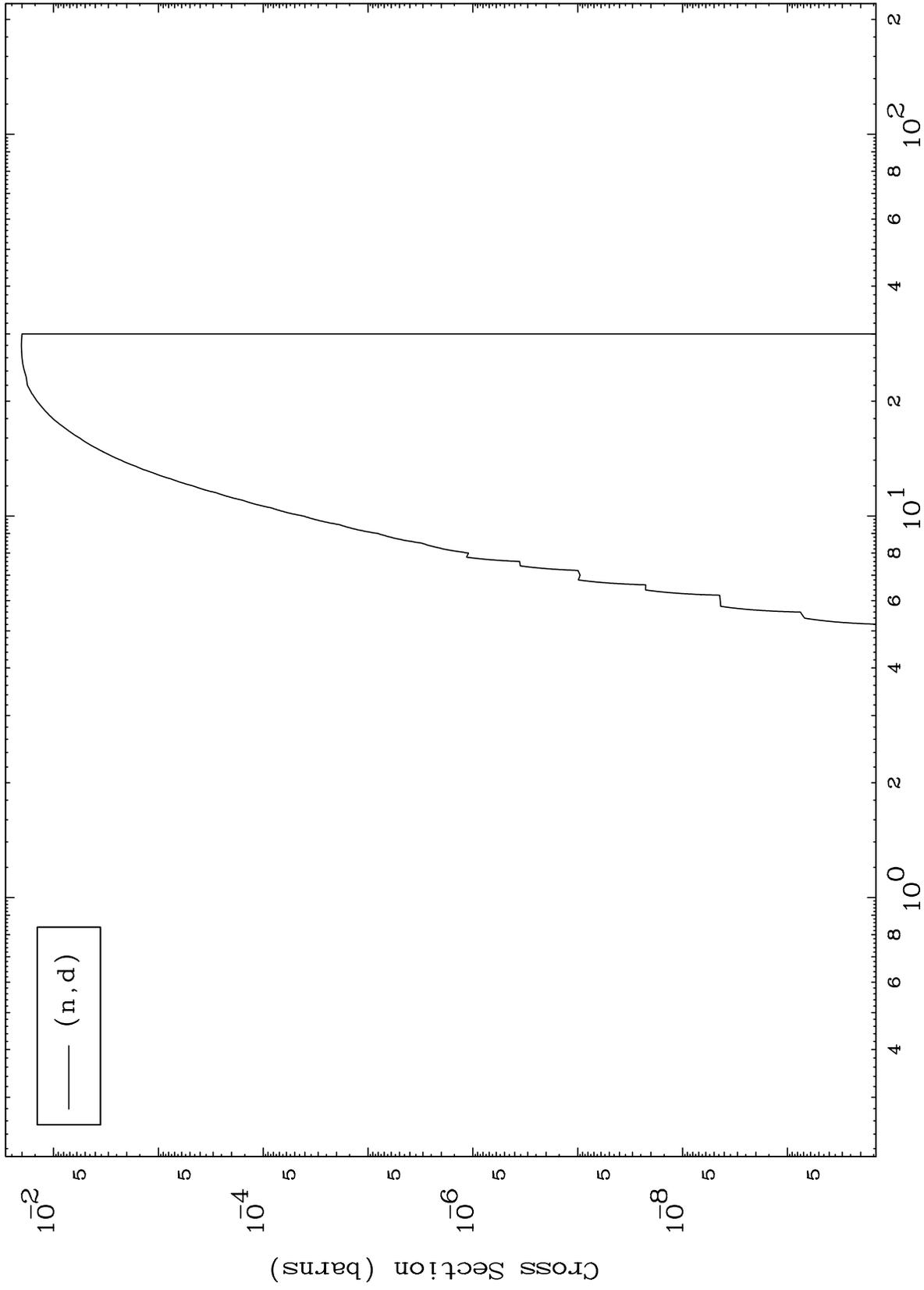
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MAT 8301

(n,d) Levels
293 Kelvin Cross Sections

83-Bi-201



10

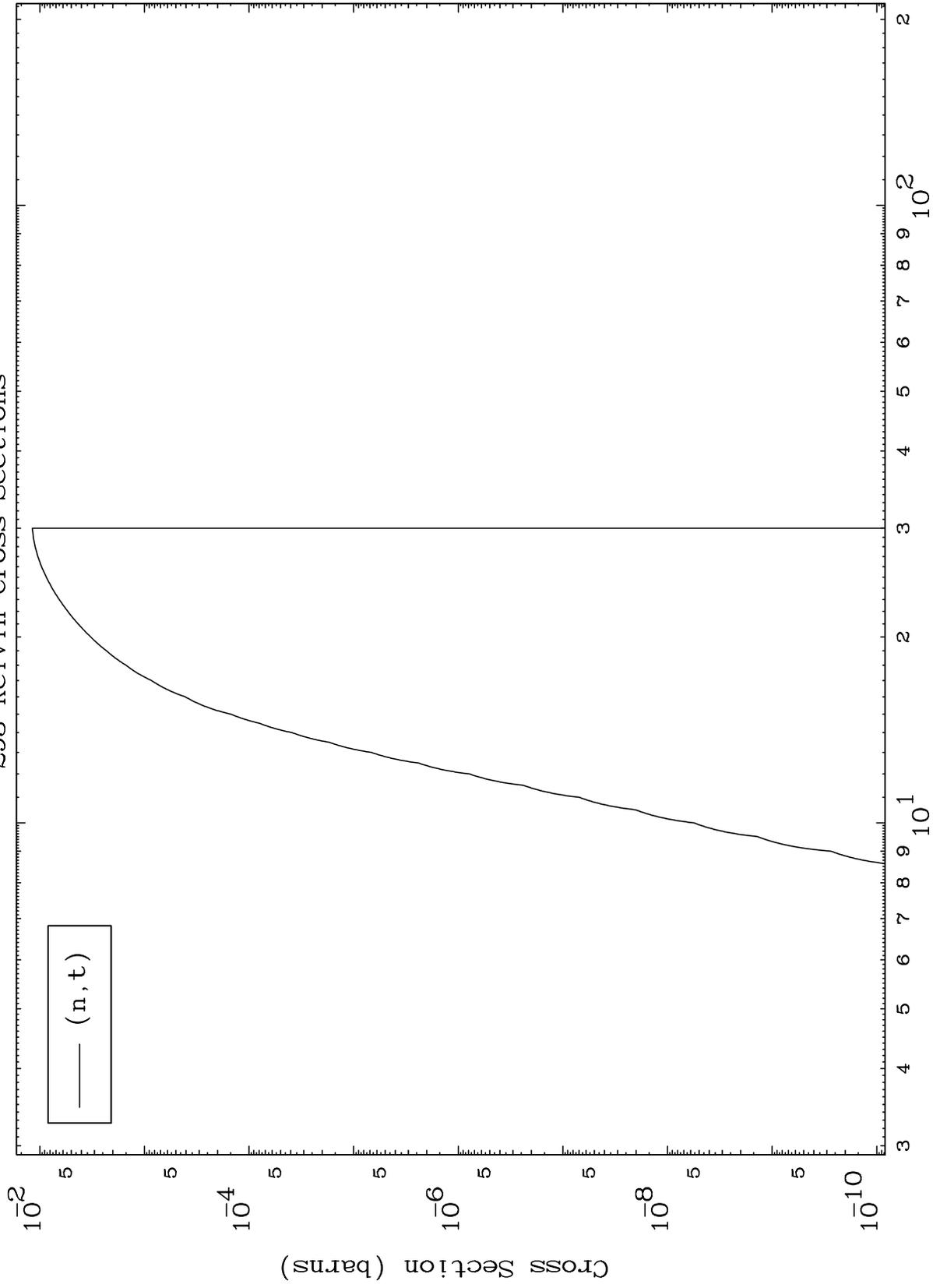
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83-Bi-201

MAT 8301

83-Bi-201

(n,t) Levels
293 Kelvin Cross Sections



11

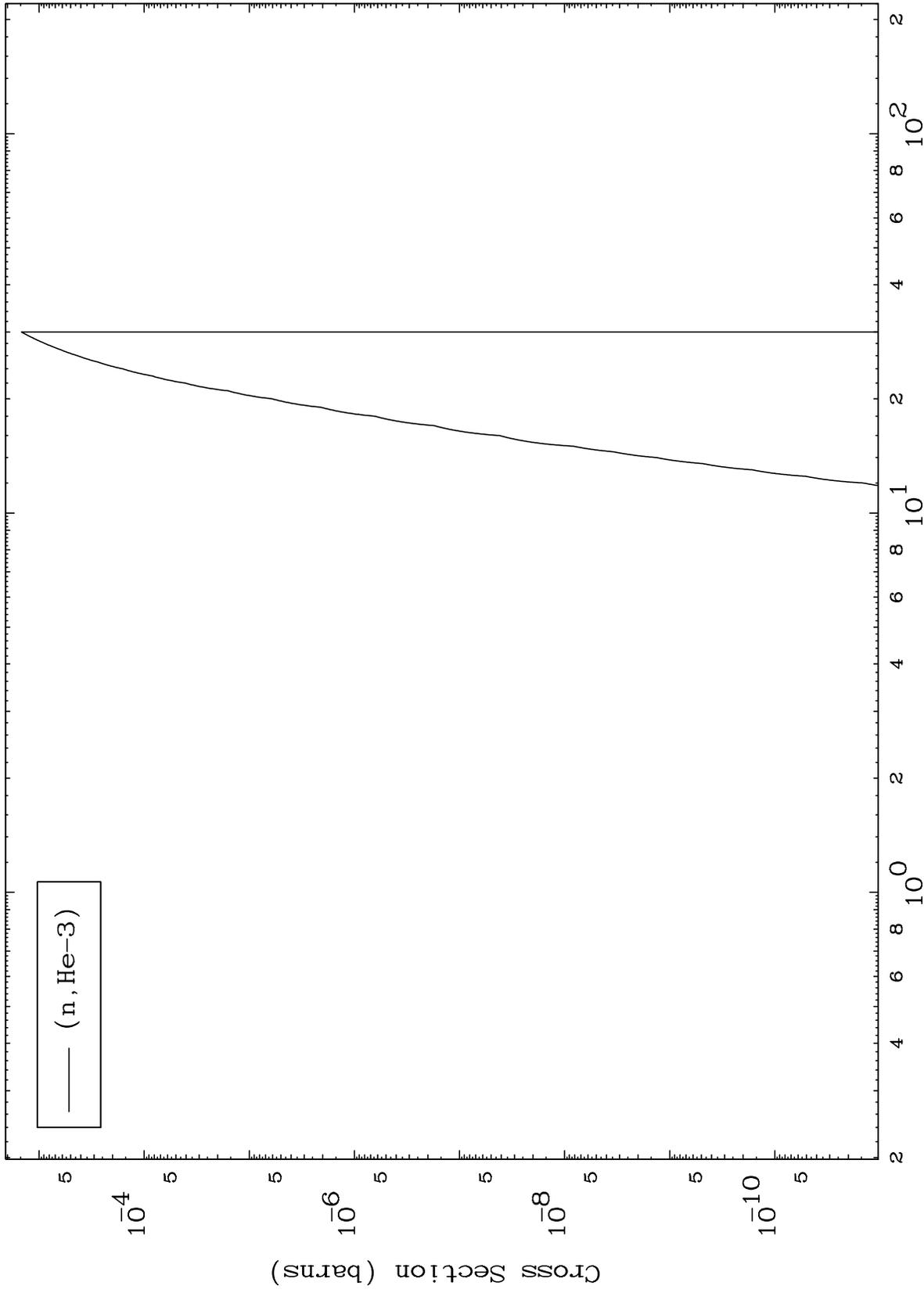
Incident Energy (MeV)

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MAT 8301

(n,He3) Levels
293 Kelvin Cross Sections

83-Bi-201



12

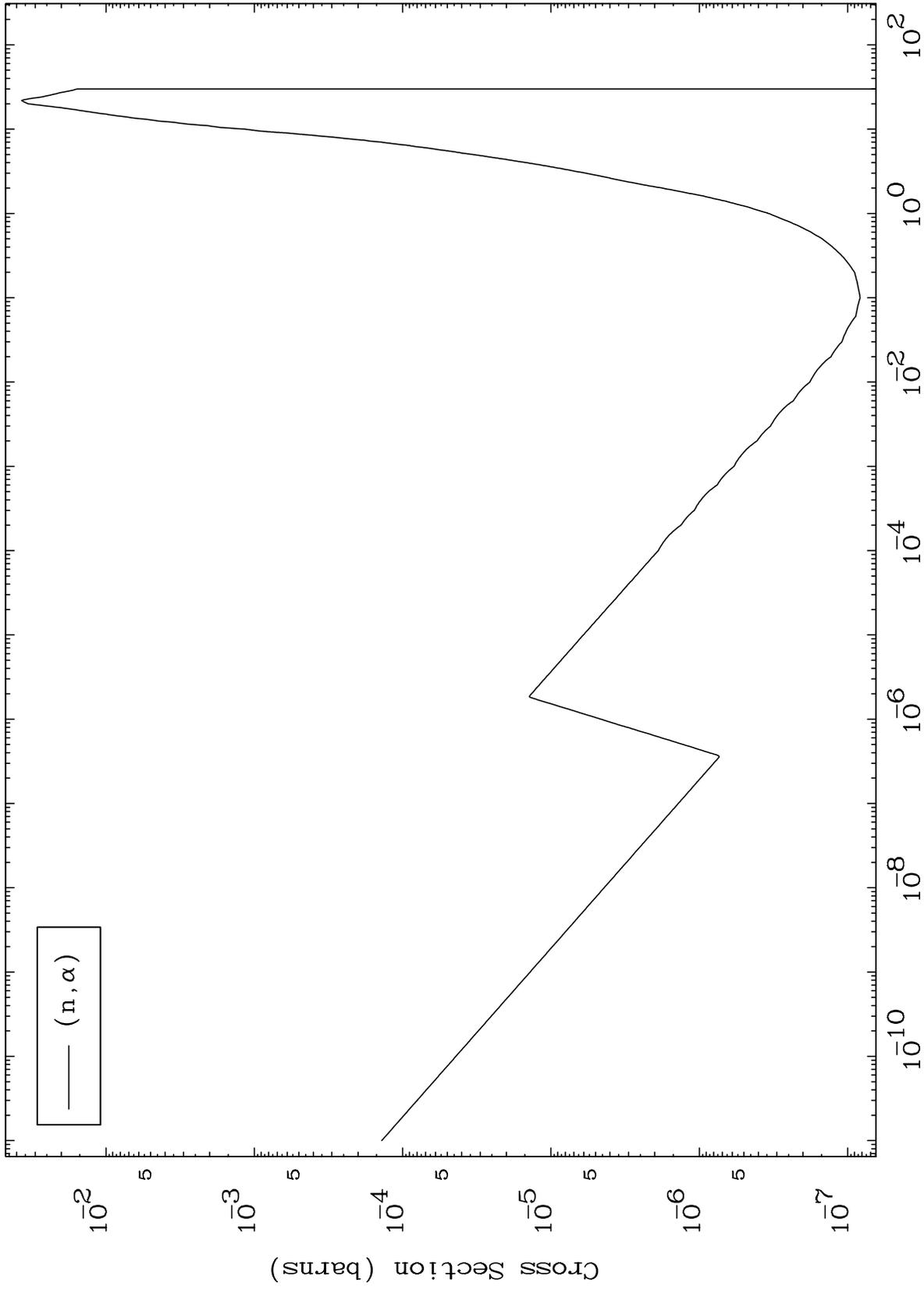
Incident Energy (MeV)

83-Bi-201

MAT 8301

(n,α) Levels
293 Kelvin Cross Sections

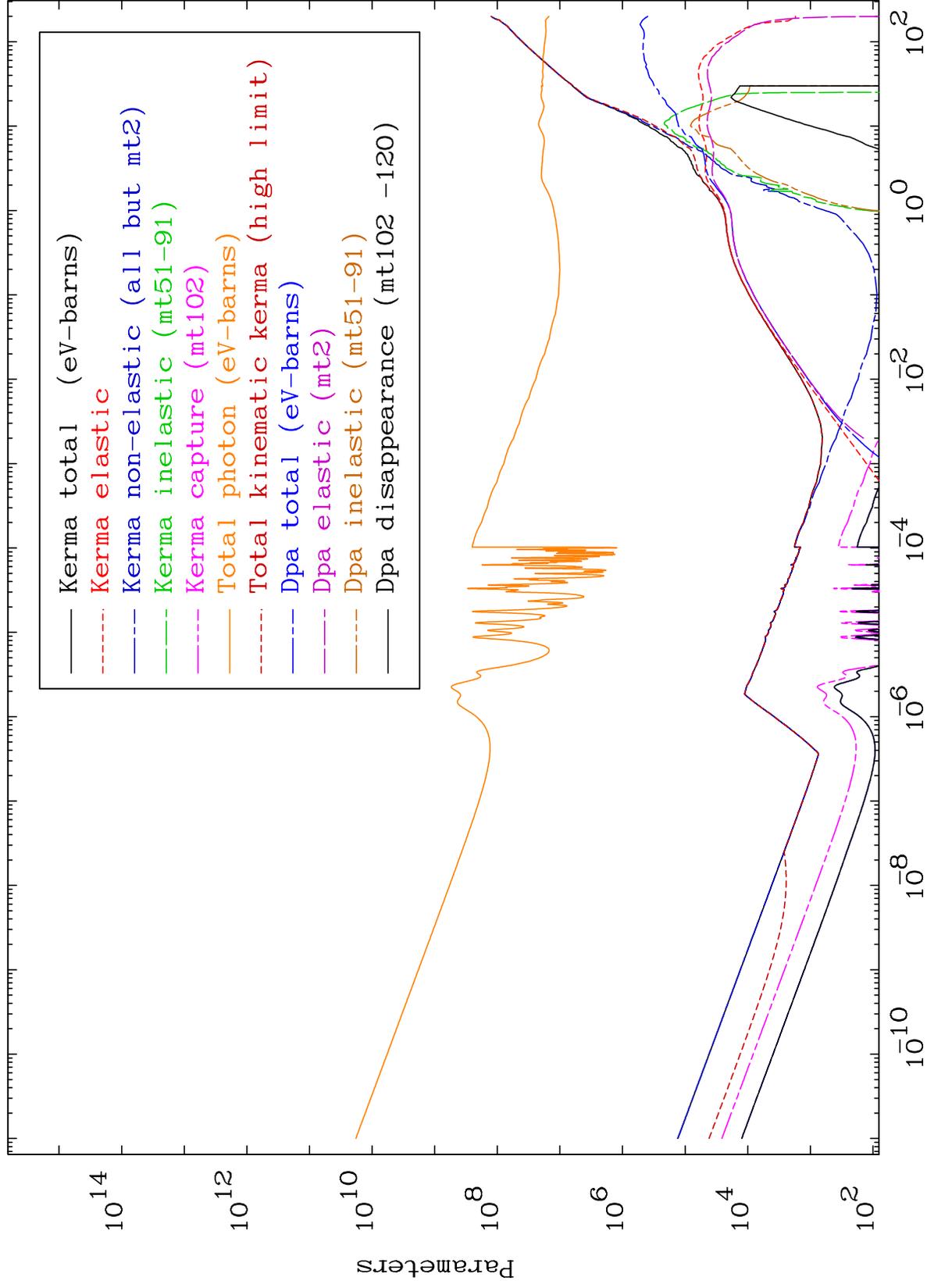
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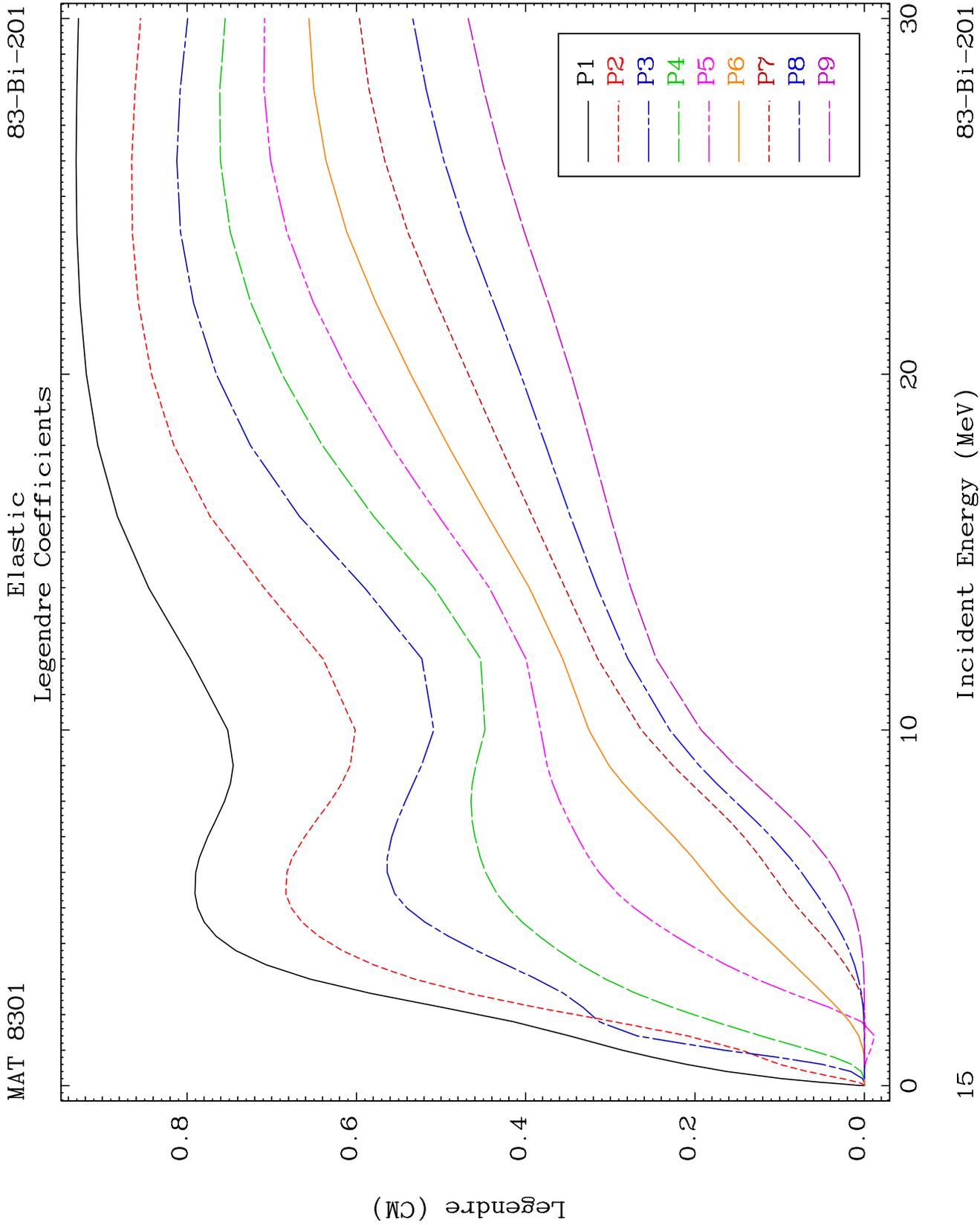


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Incident Energy (MeV)

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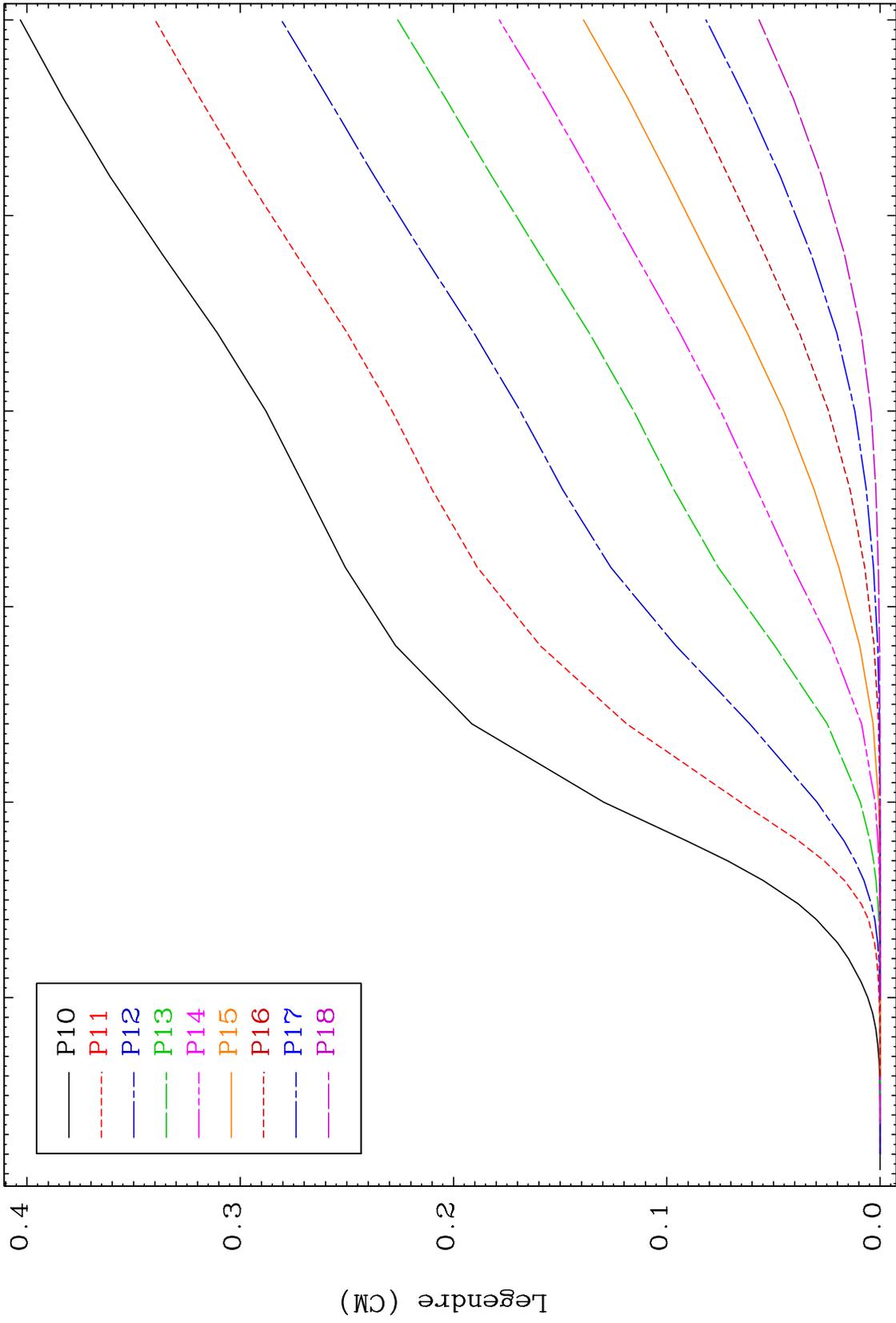




MAT 8301

Elastic Legendre Coefficients

83-Bi-201



Legendre (CM)

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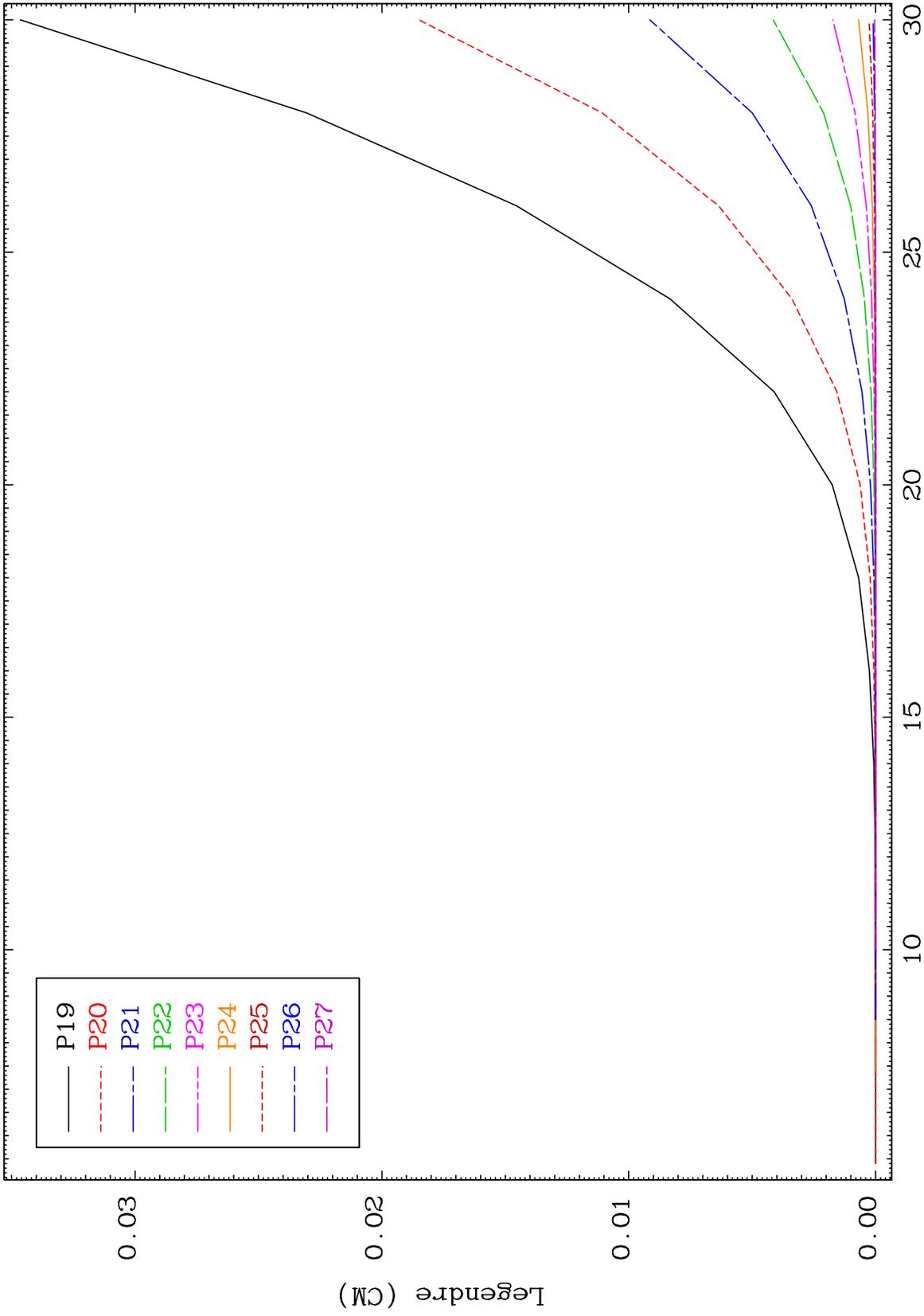
Incident Energy (MeV)

83-Bi-201

MAT 8301

Elastic Legendre Coefficients

83-Bi-201



17

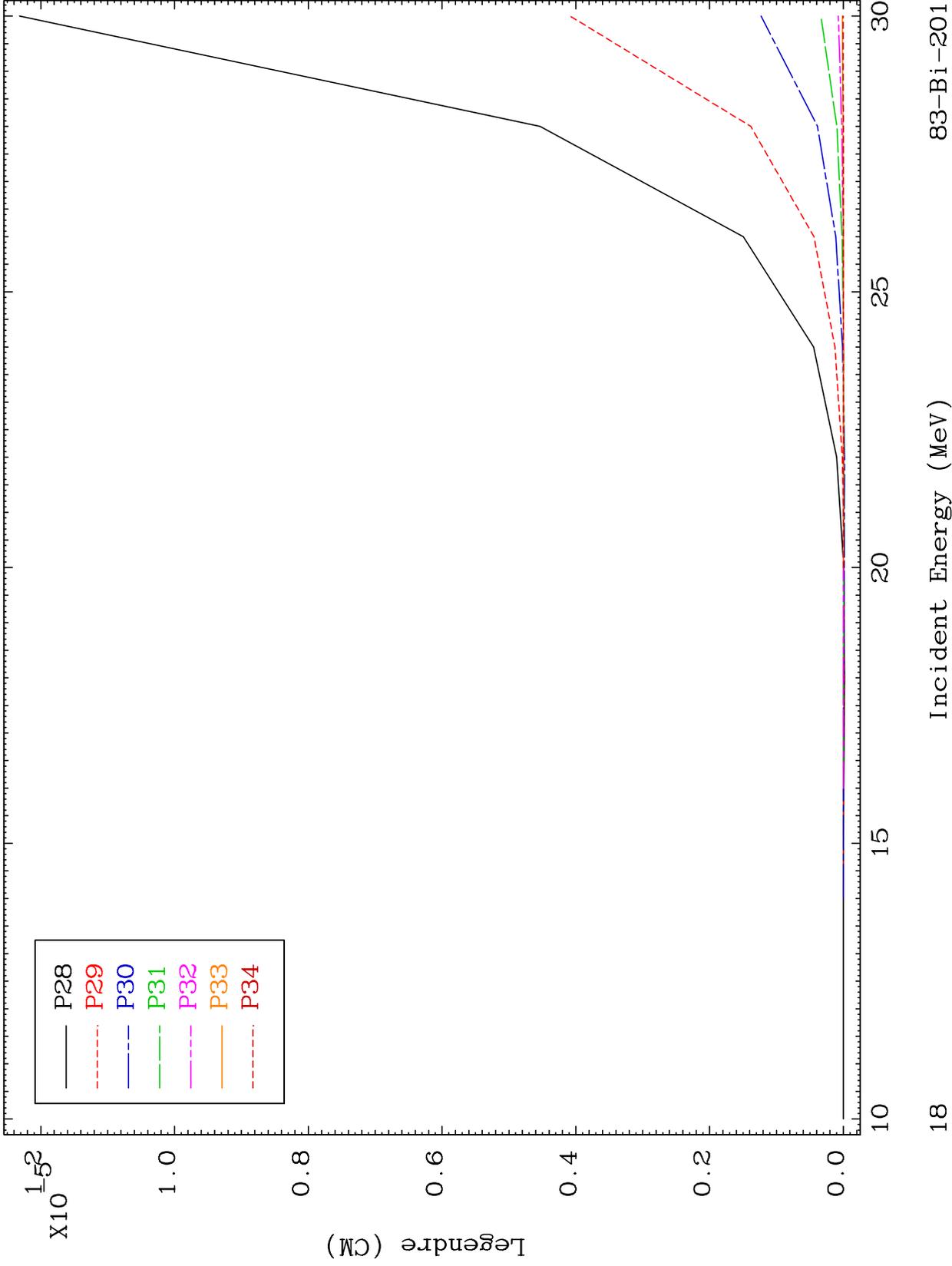
Incident Energy (MeV)

83-Bi-201

MAT 8301

Elastic Legendre Coefficients

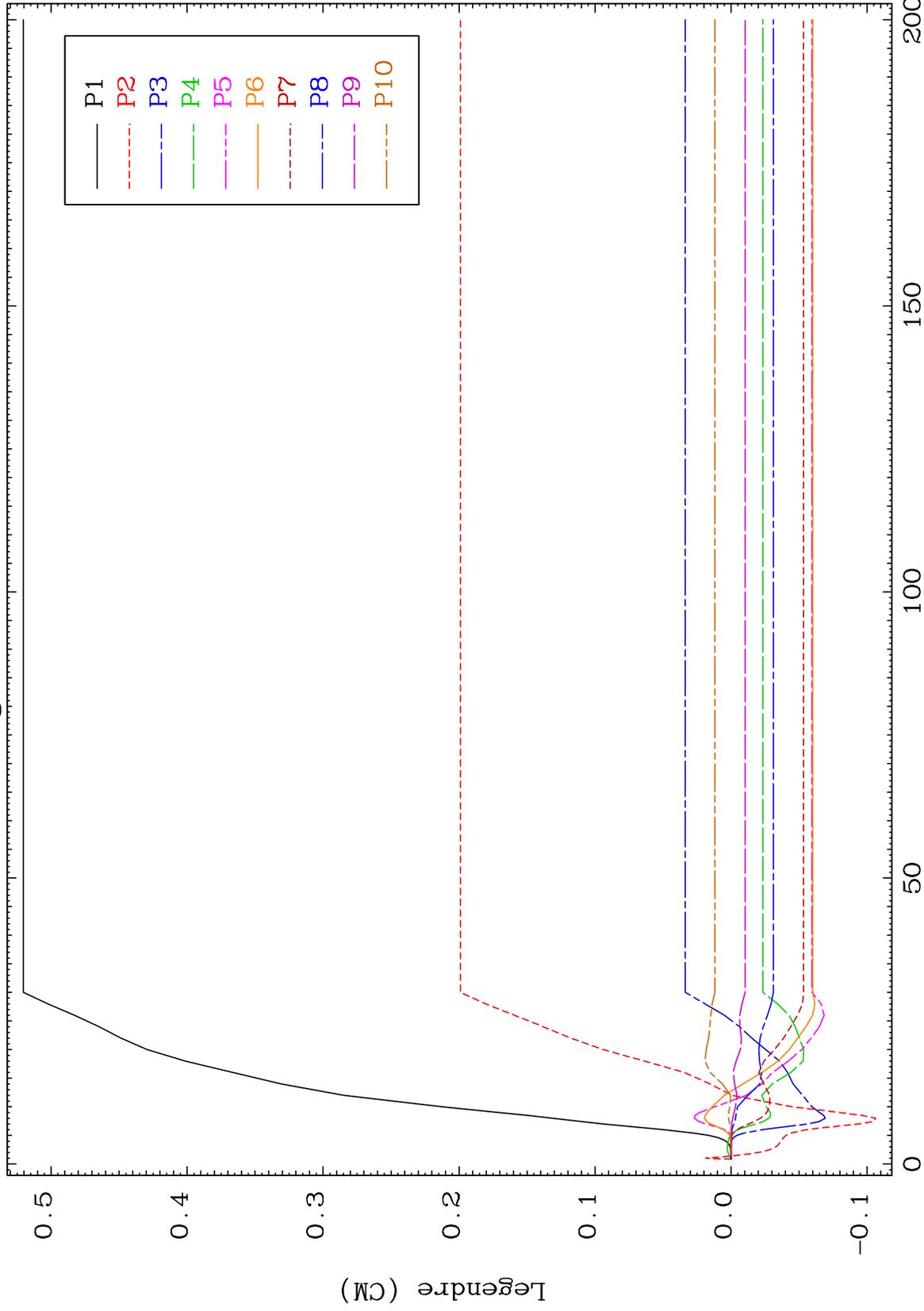
83-Bi-201



MAT 8301

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

83-Bi-201



19

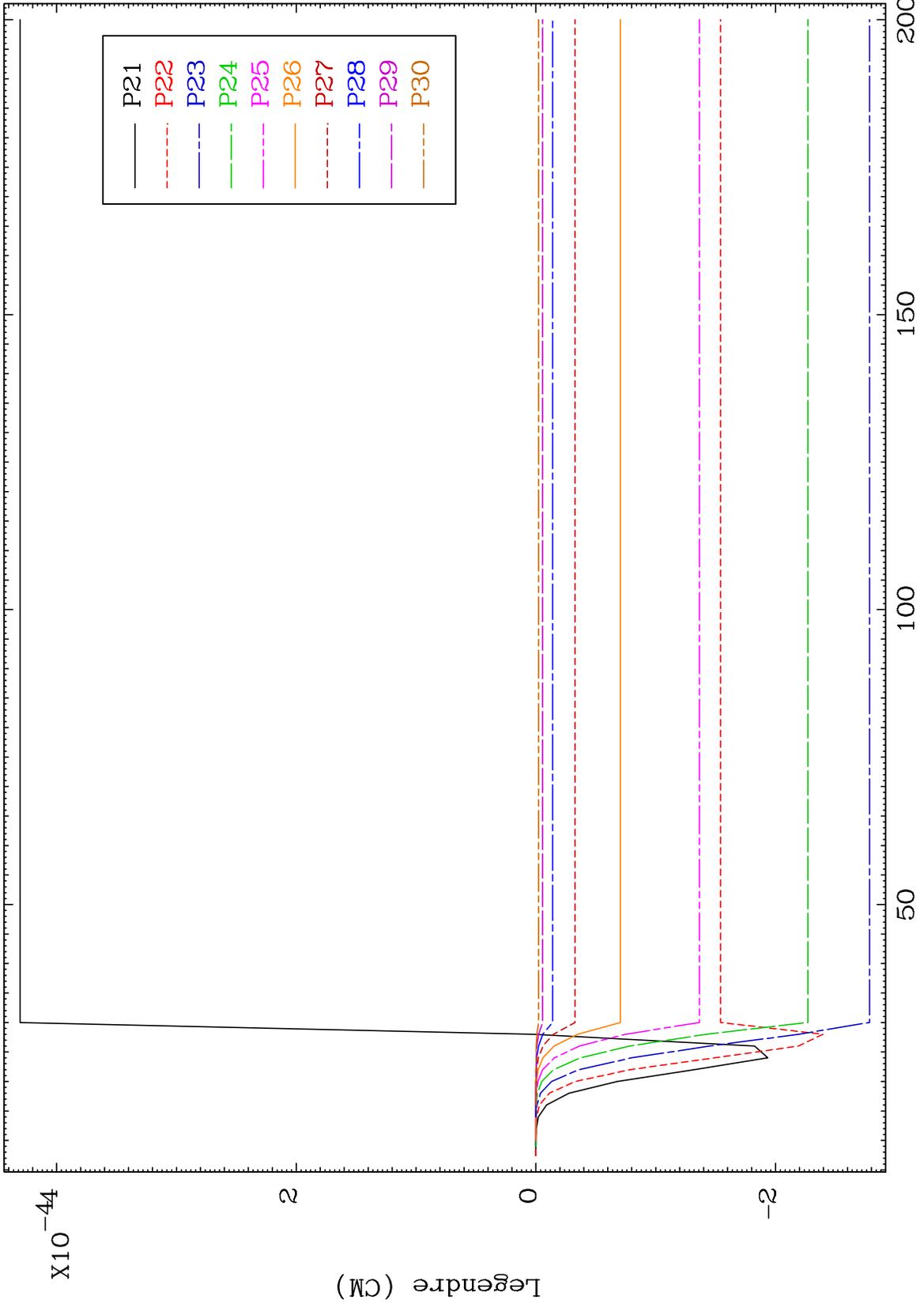
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

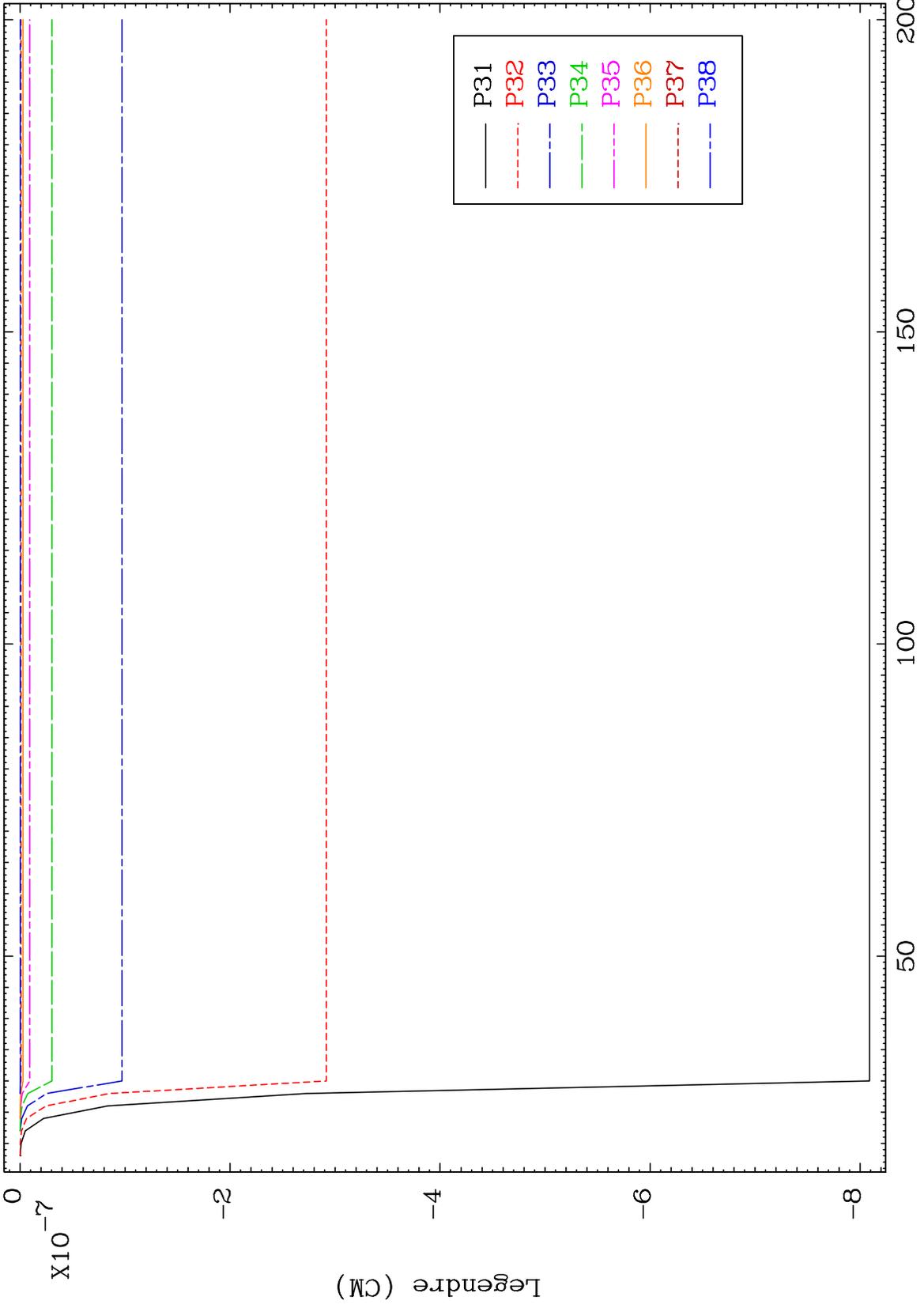
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21

83-Bi-201

MAT 8301 MT= 51 (n,n') Level Legendre Coefficients 83-Bi-201

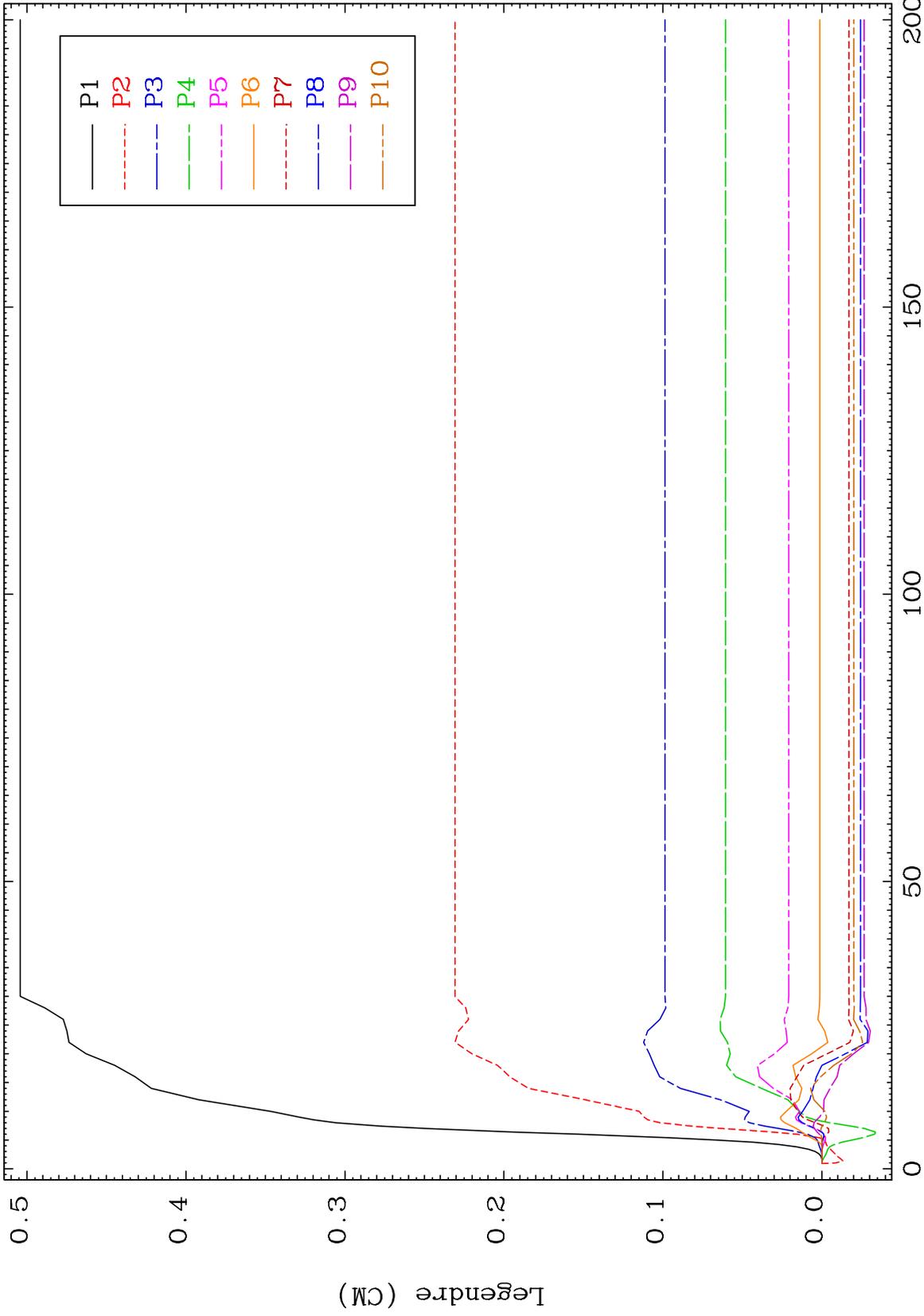


22 83-Bi-201

MAT 8301

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

83-Bi-201



23

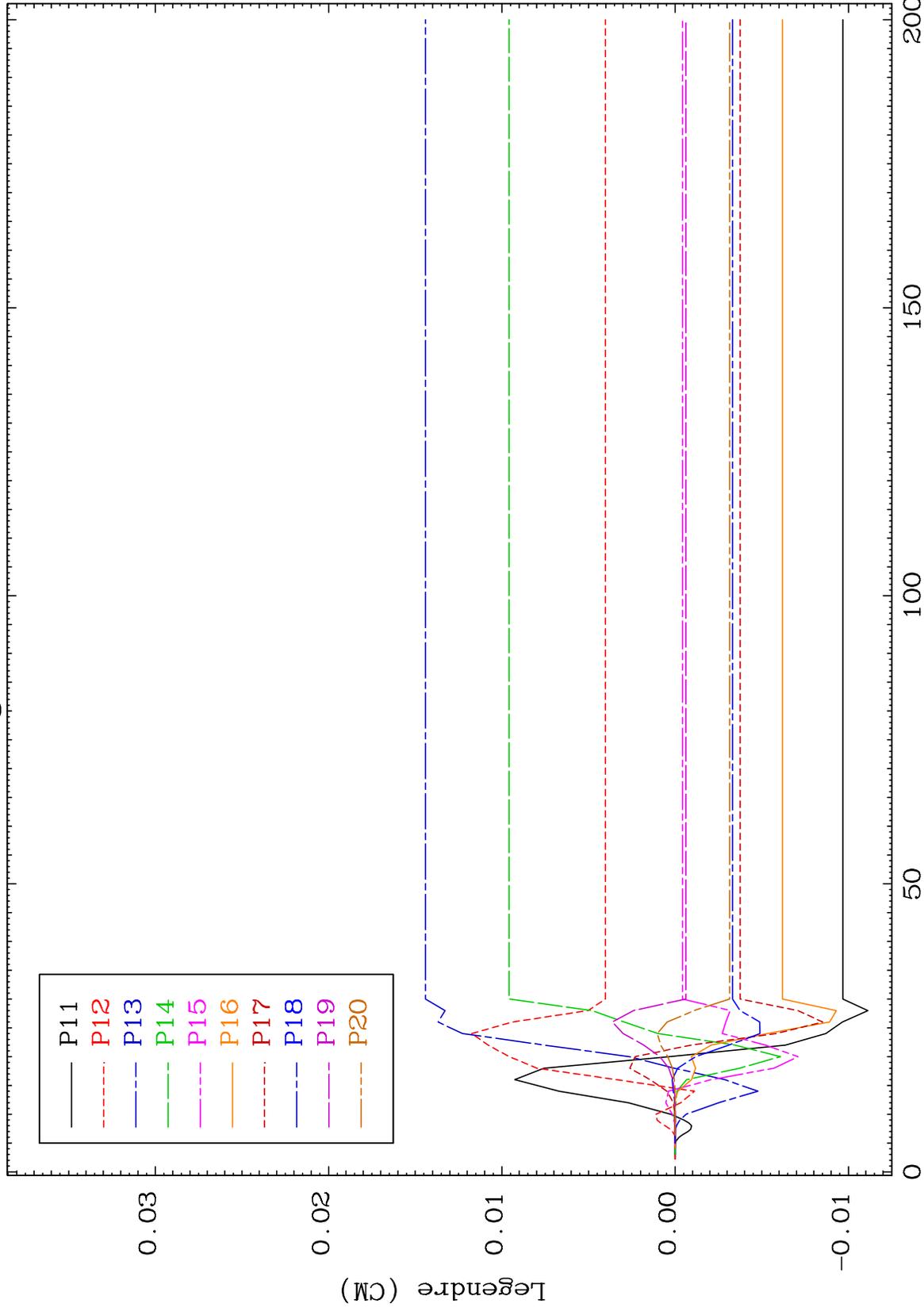
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



24

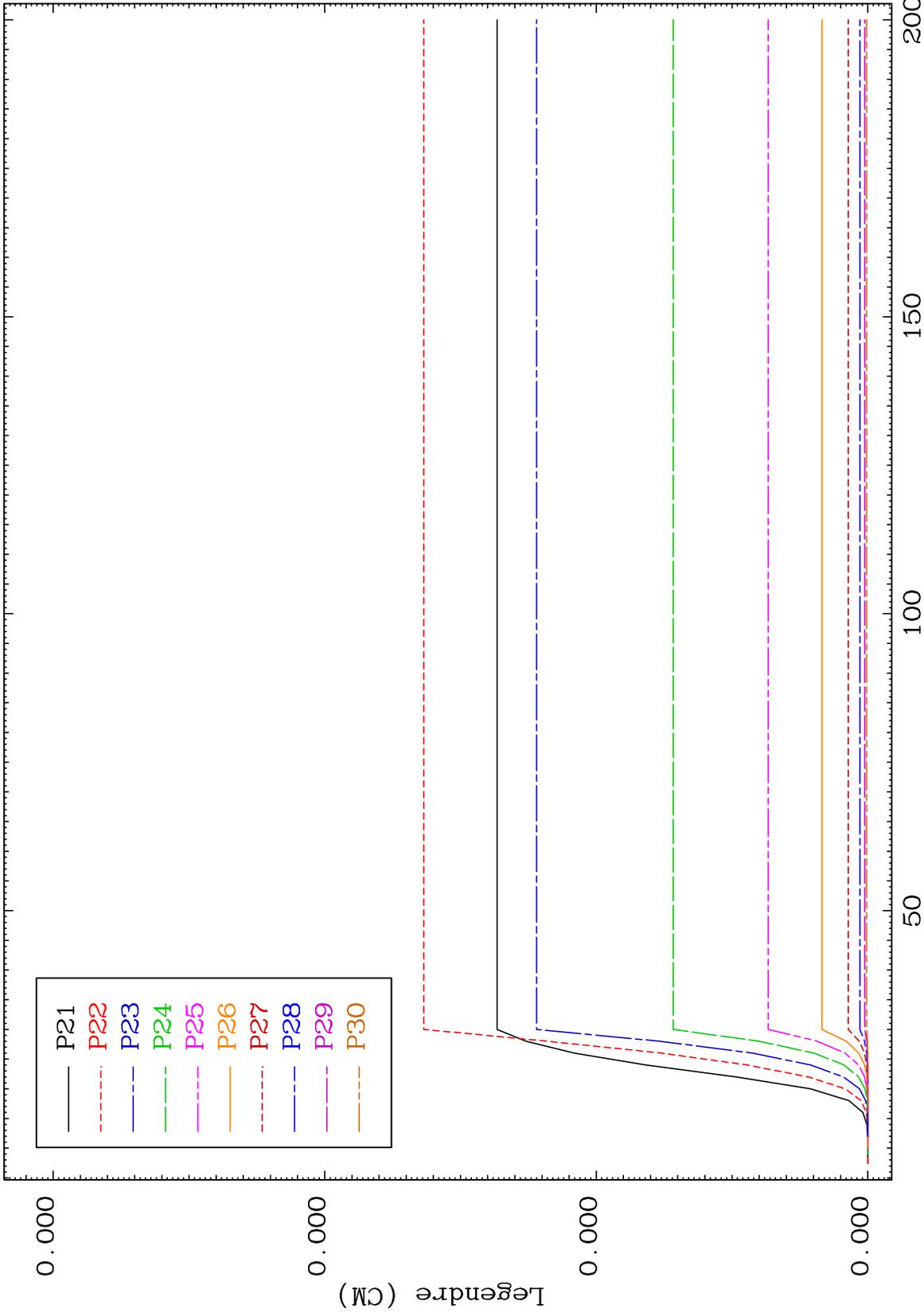
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



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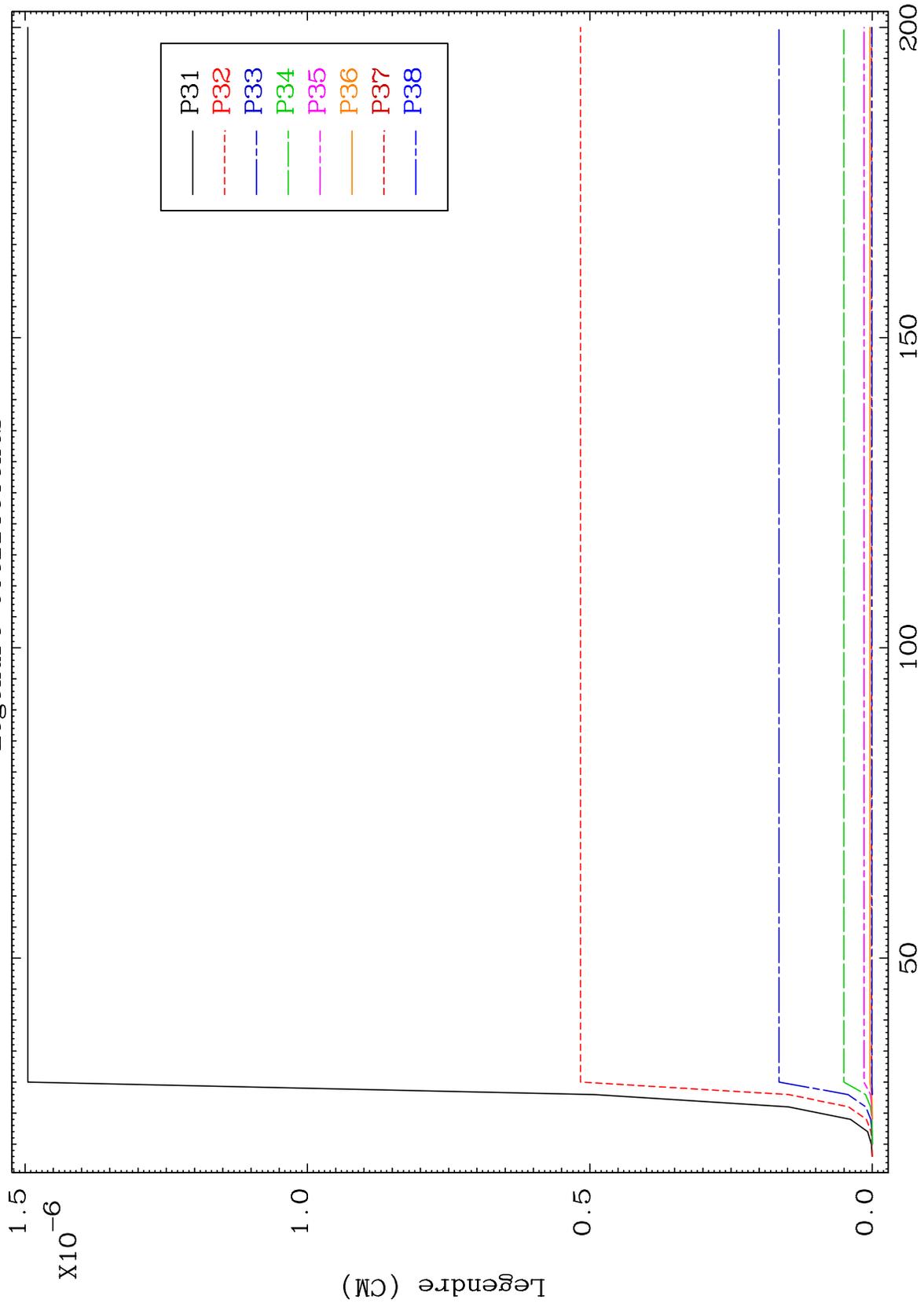
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



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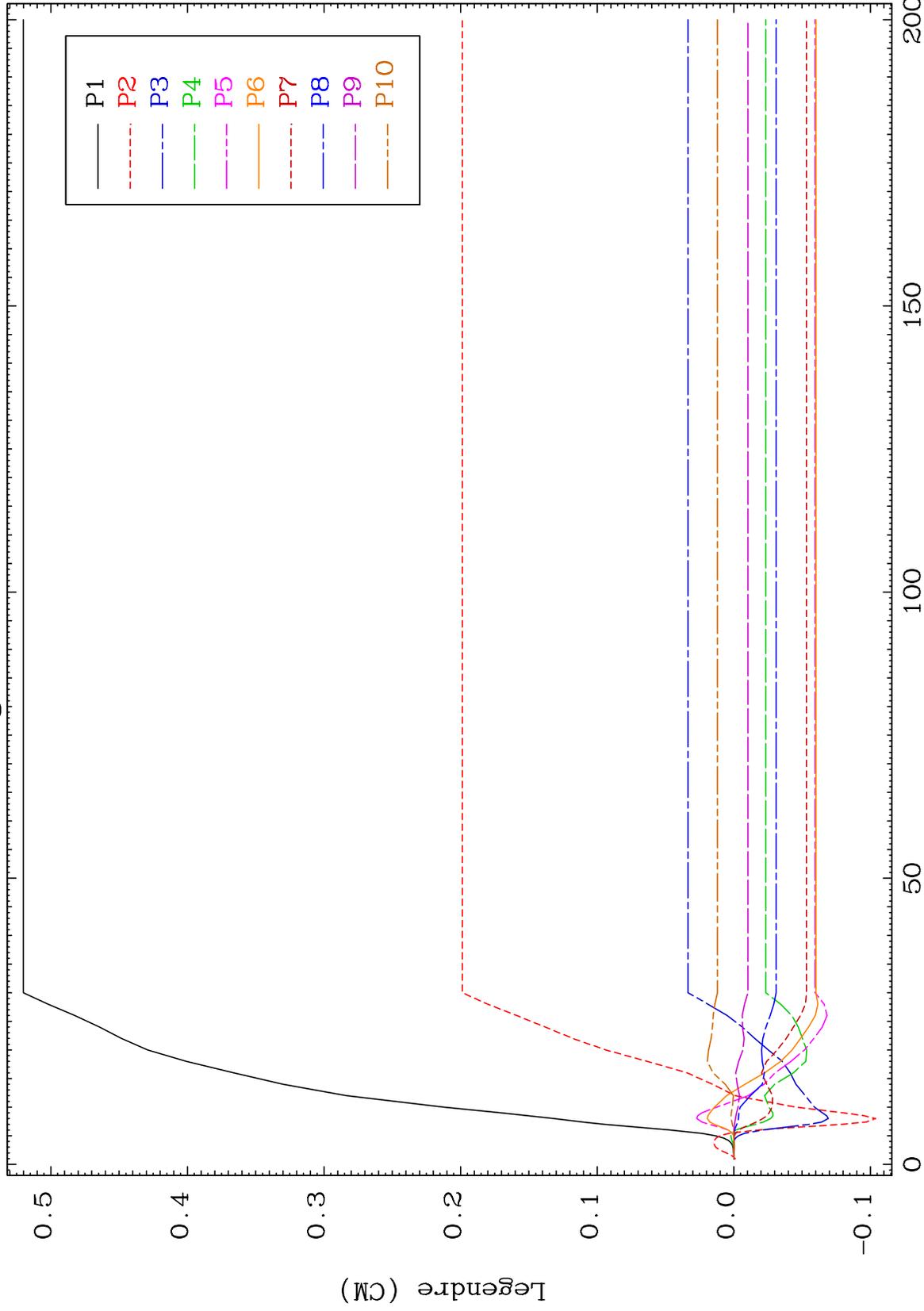
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



27

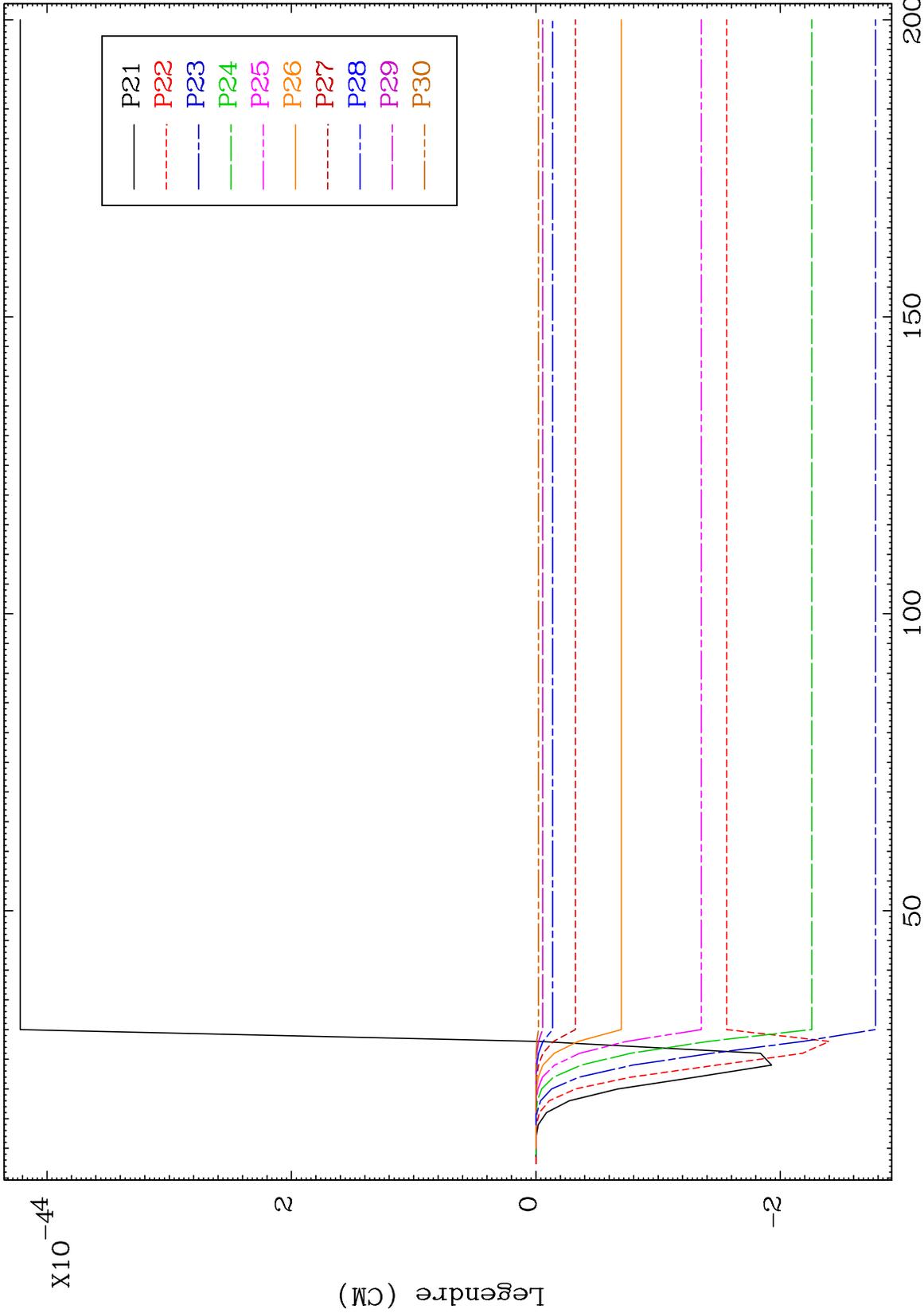
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



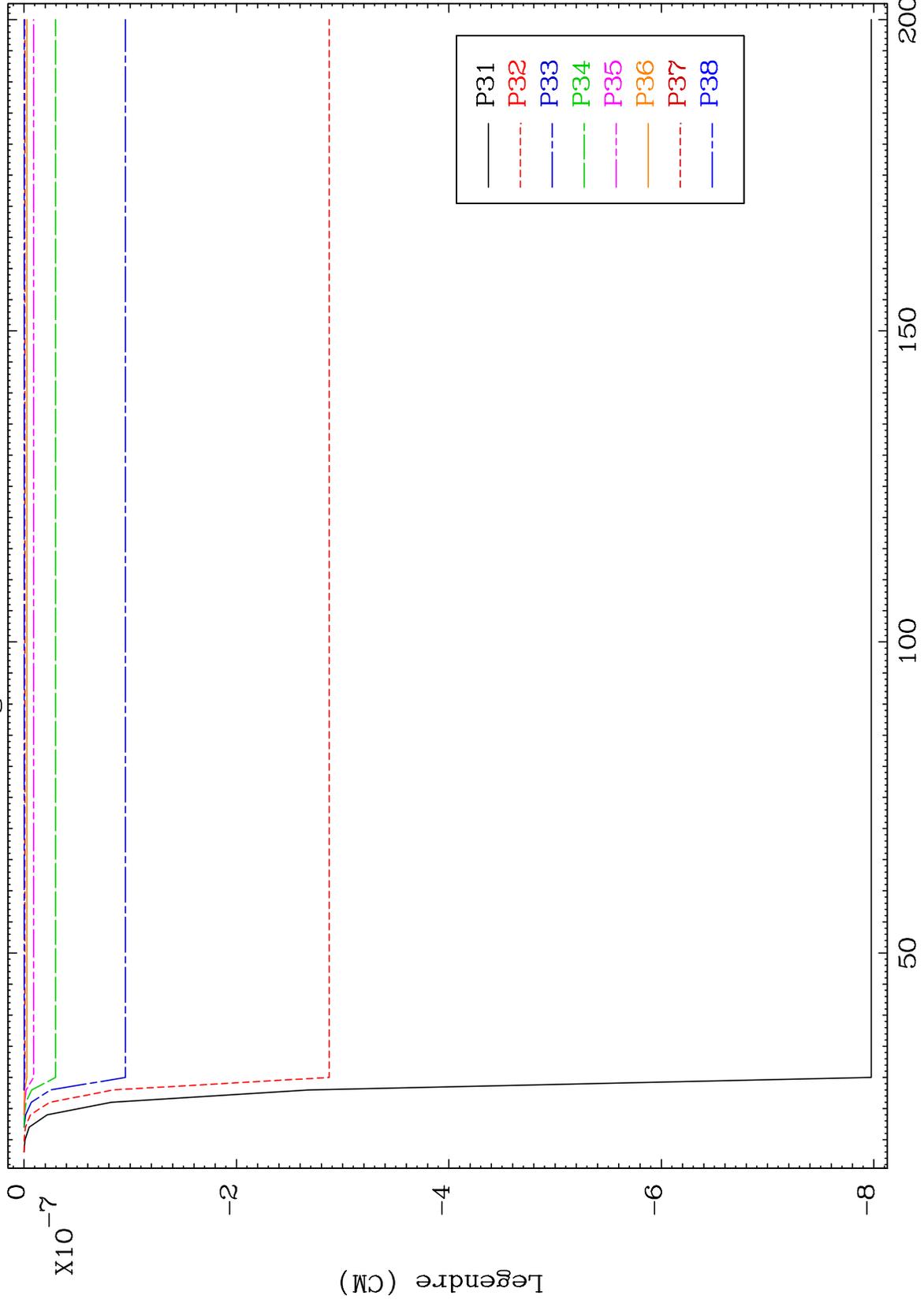
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83-Bi-201

MAT 8301

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

83-Bi-201



83-Bi-201

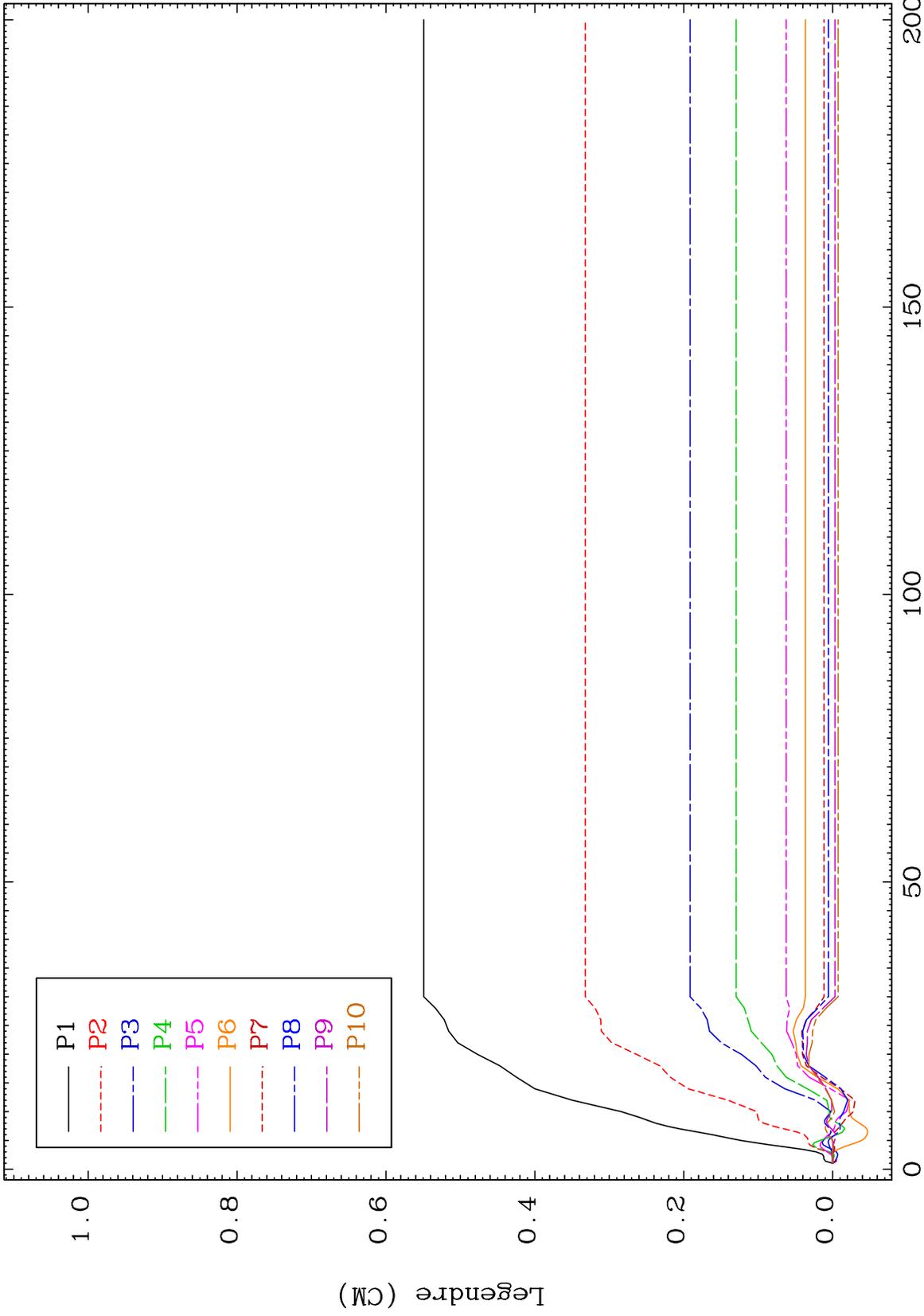
Incident Energy (MeV)

30

MAT 8301

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

83-Bi-201



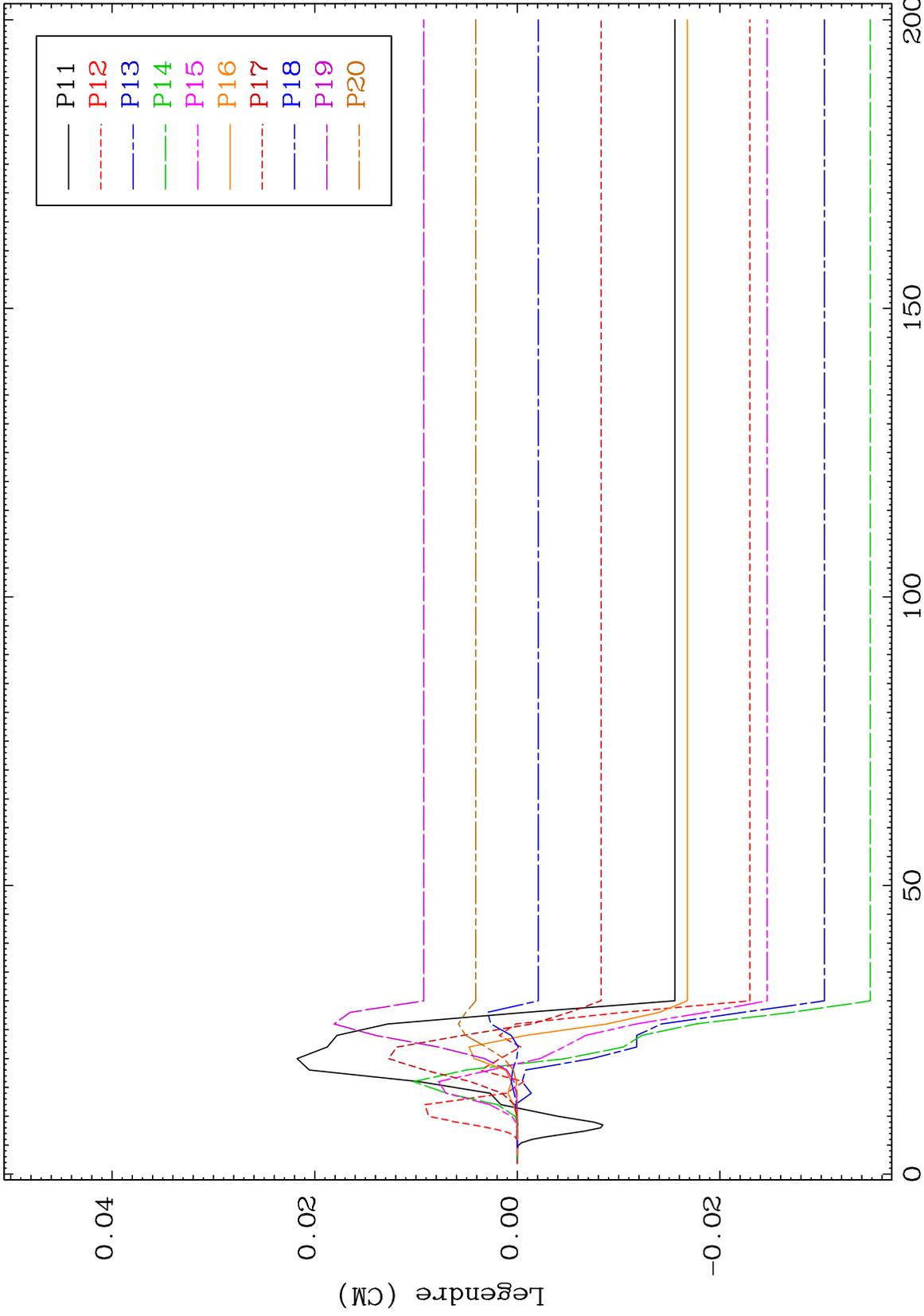
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83-Bi-201

MAT 8301

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

83-Bi-201



32

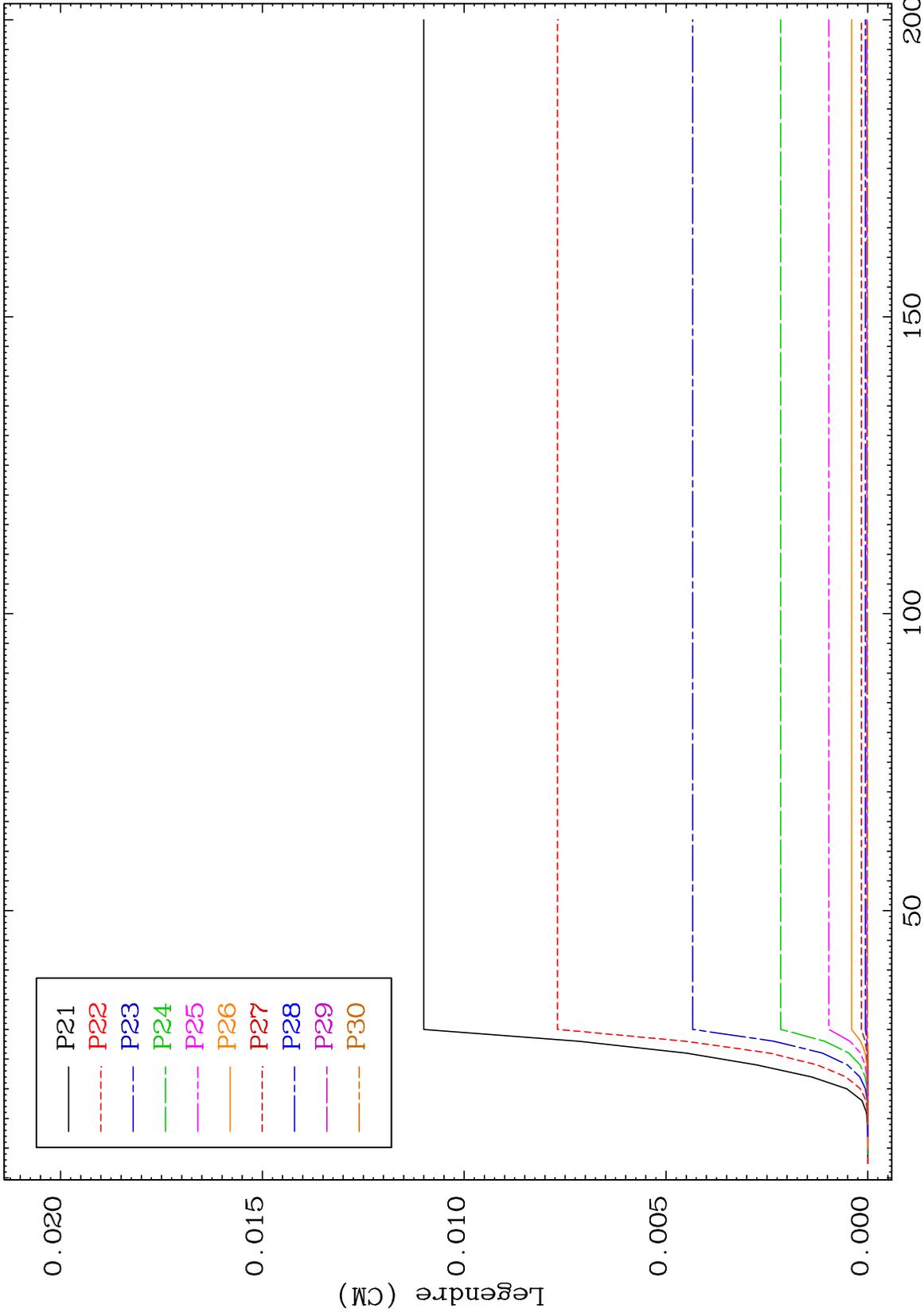
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



33

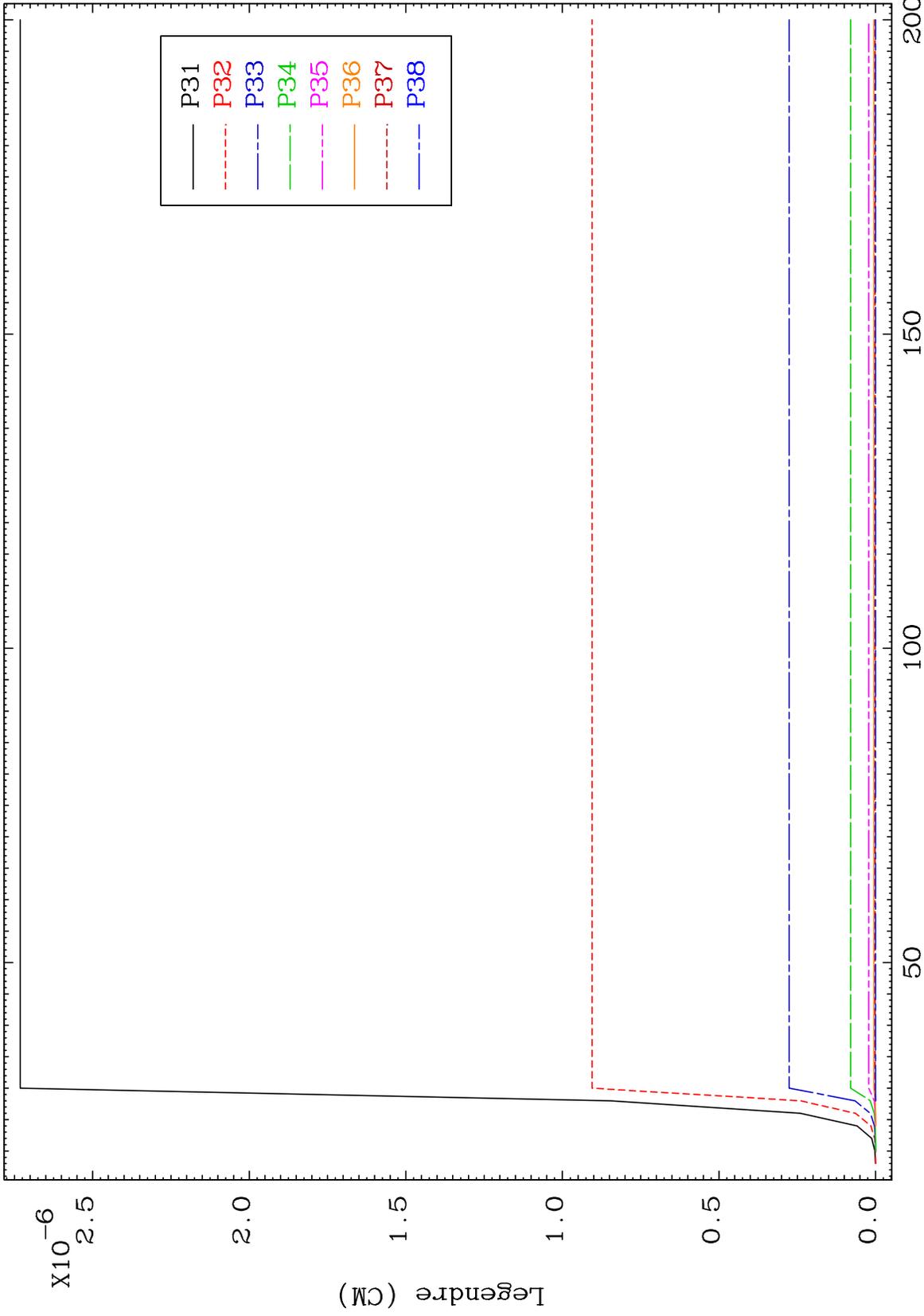
Incident Energy (MeV)

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MAT 8301

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

83-Bi-201



34

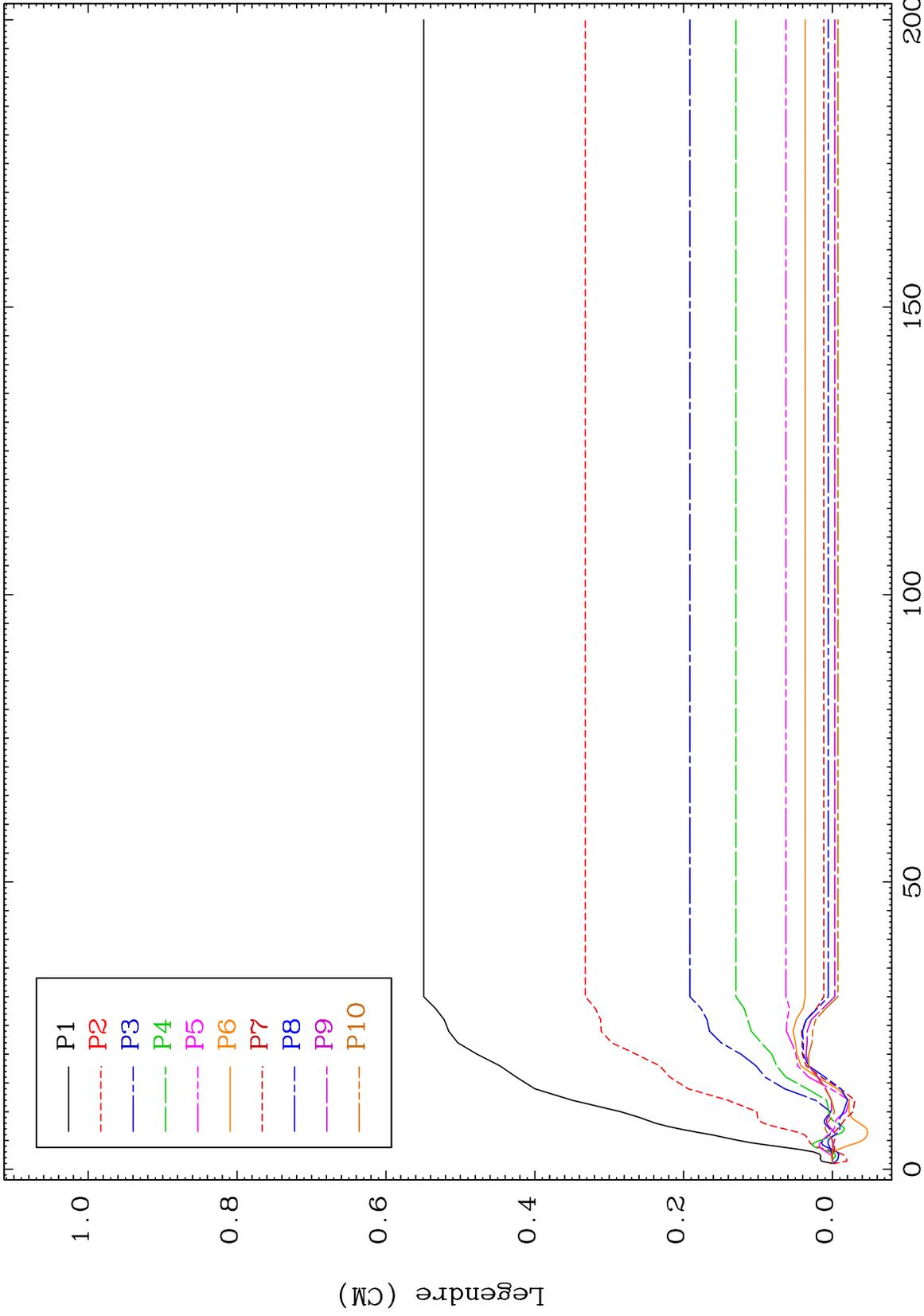
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



35

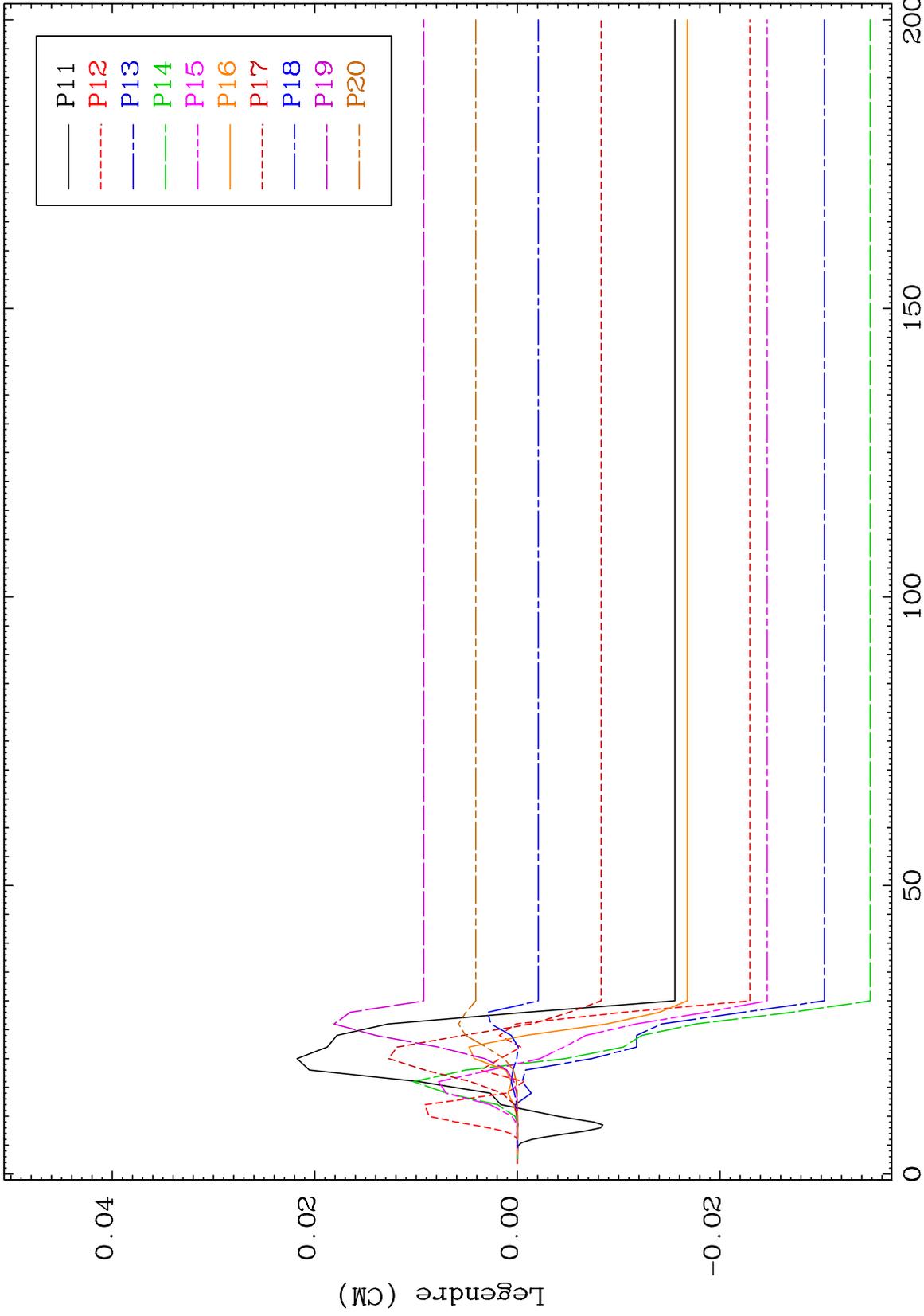
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



36

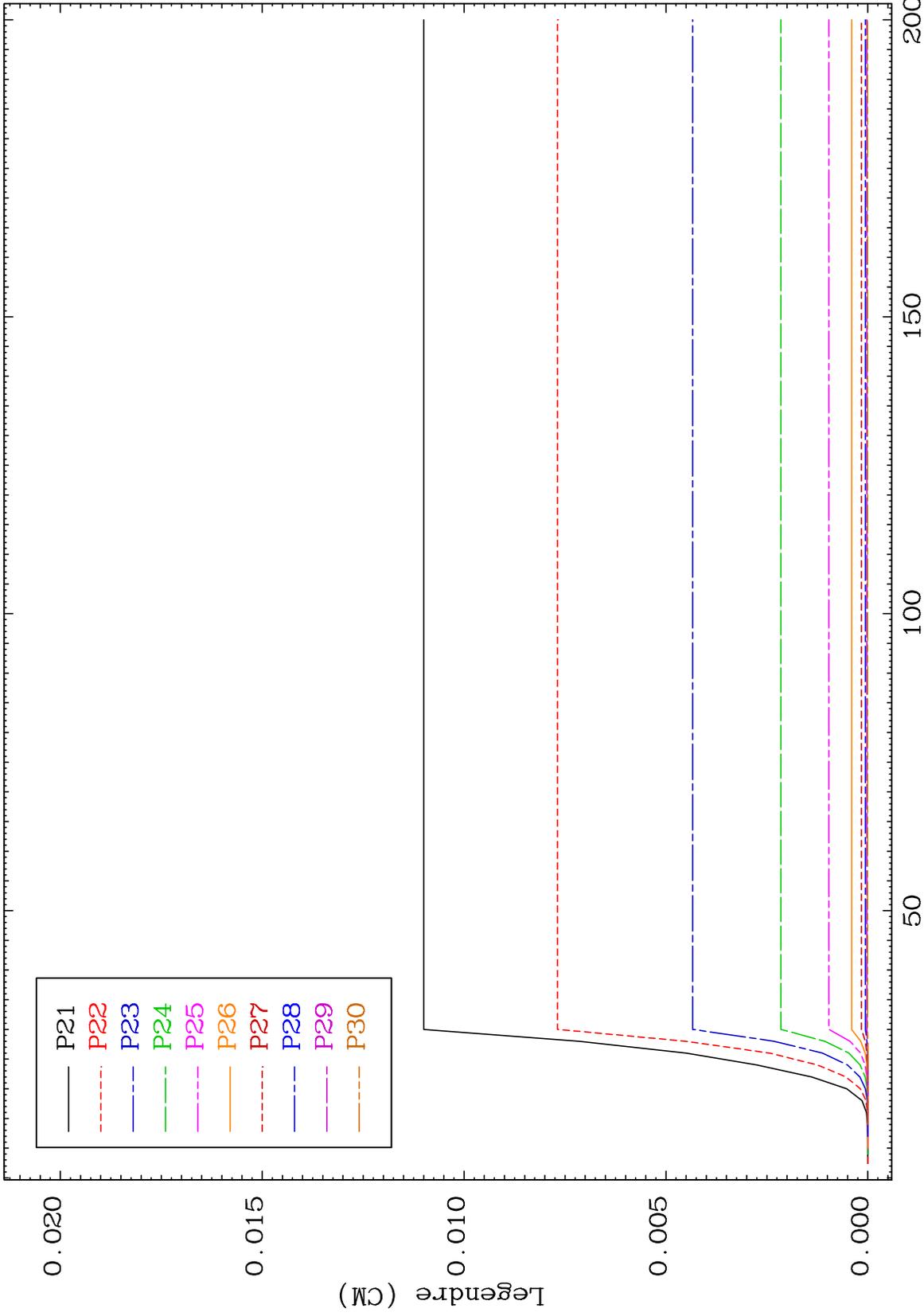
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



37

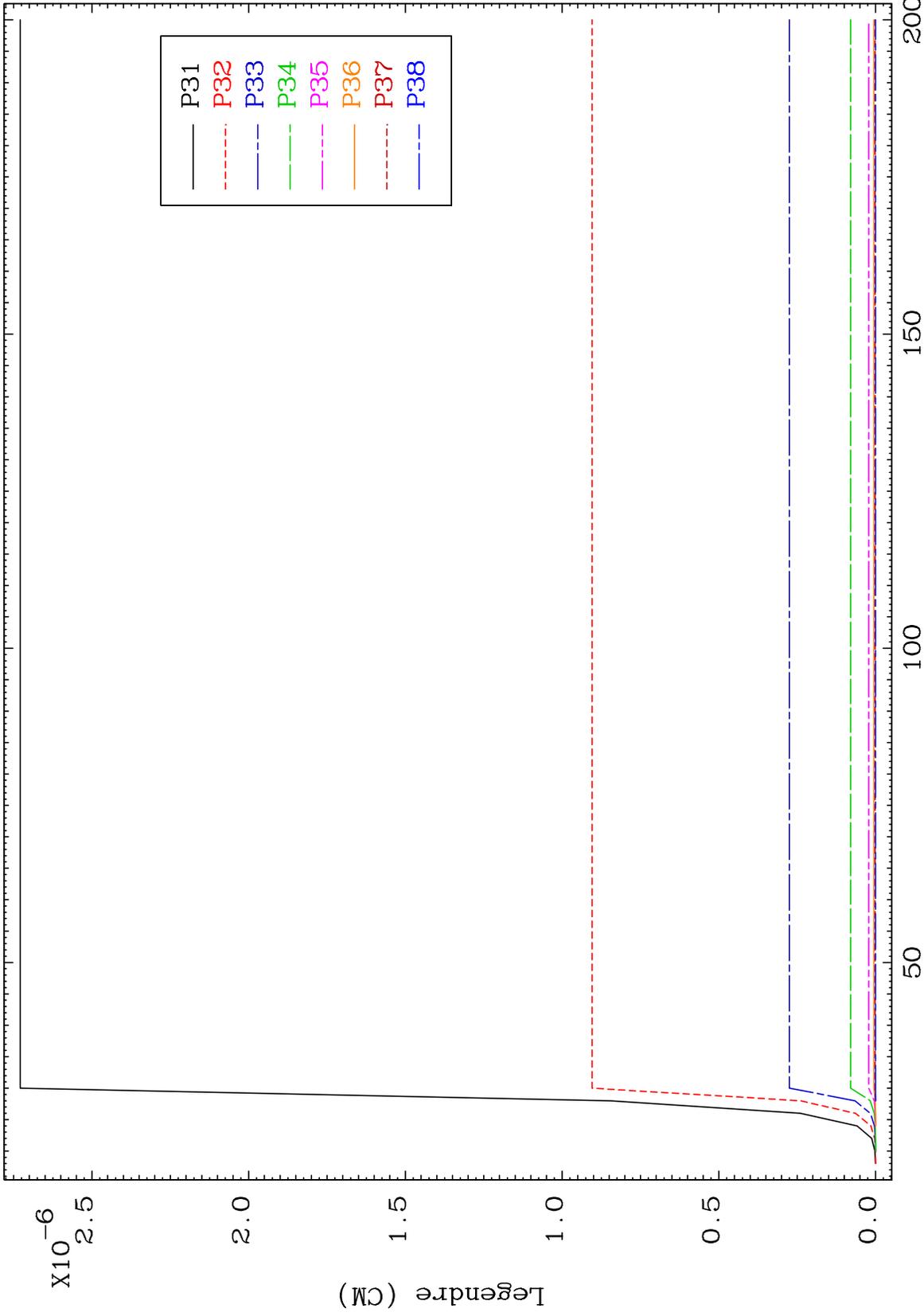
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



38

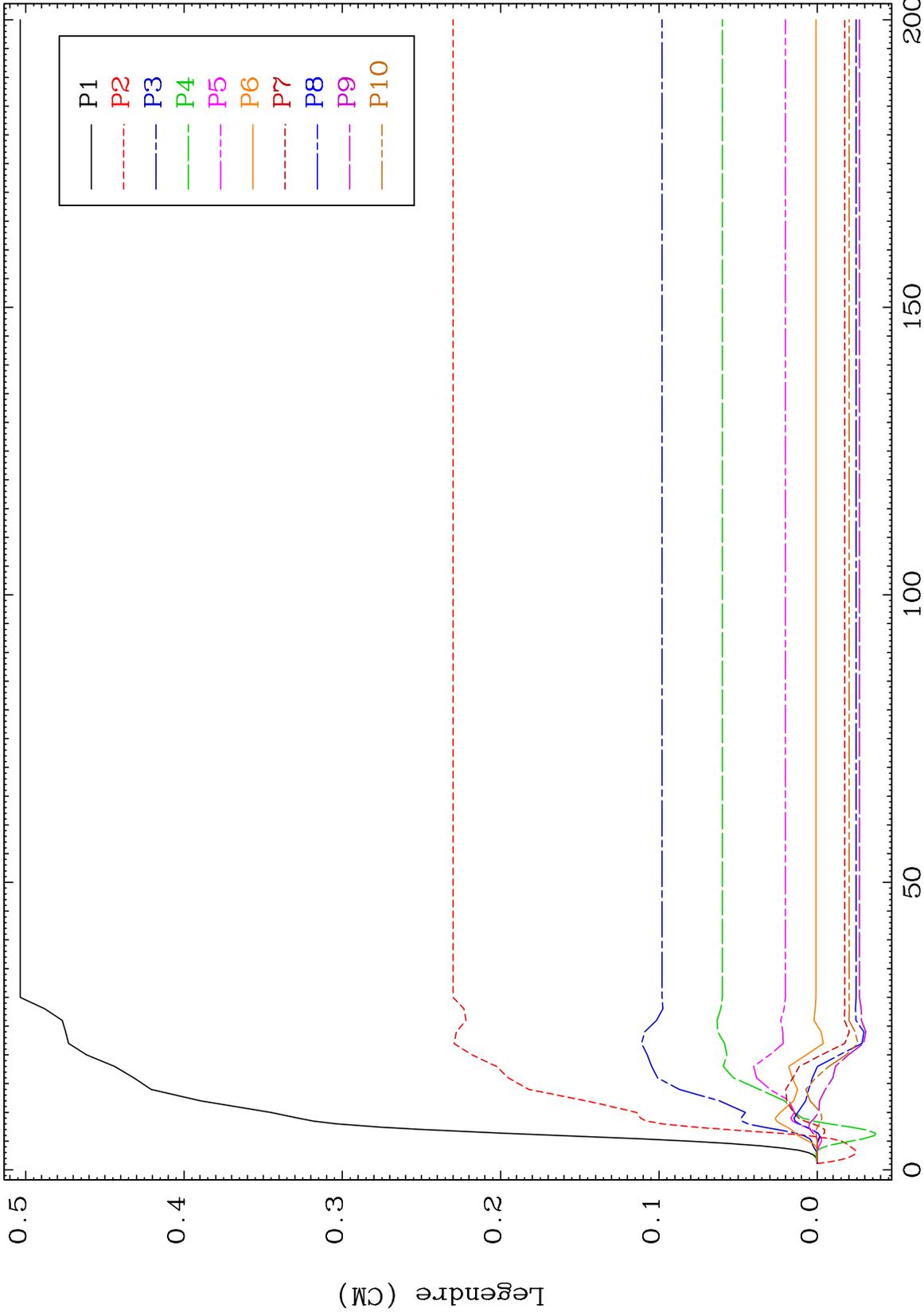
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



39

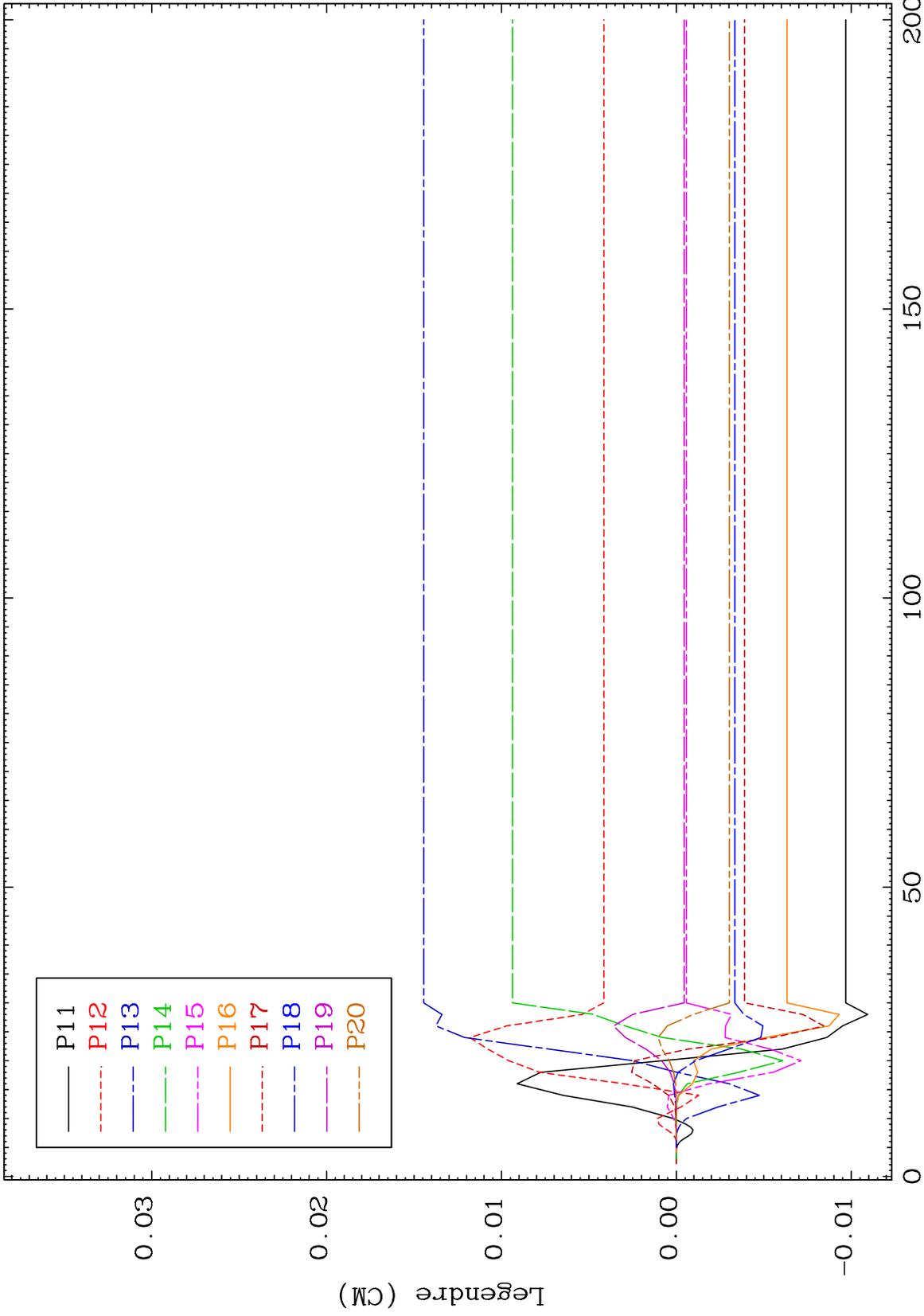
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



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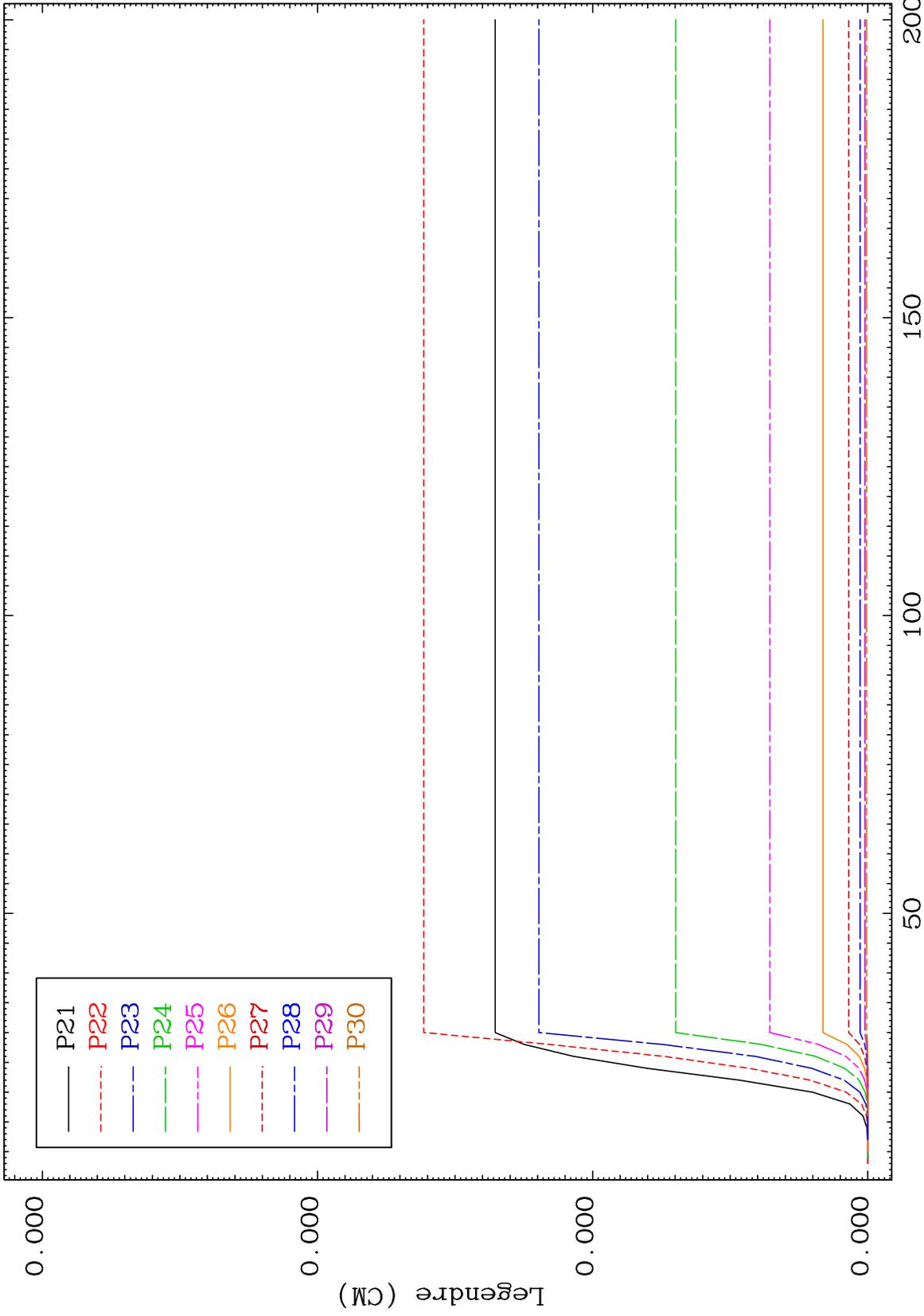
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

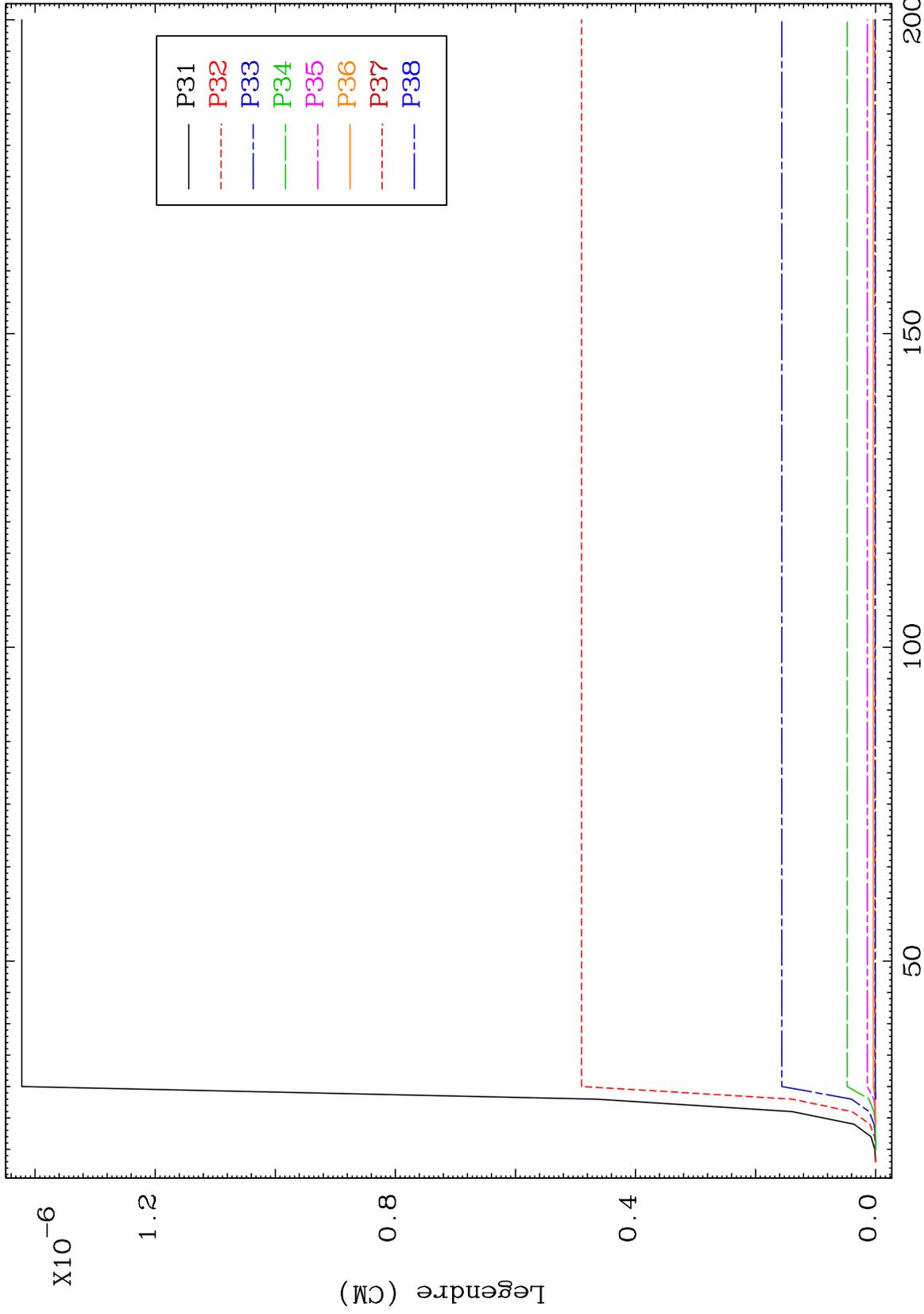
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MAT 8301

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

83-Bi-201



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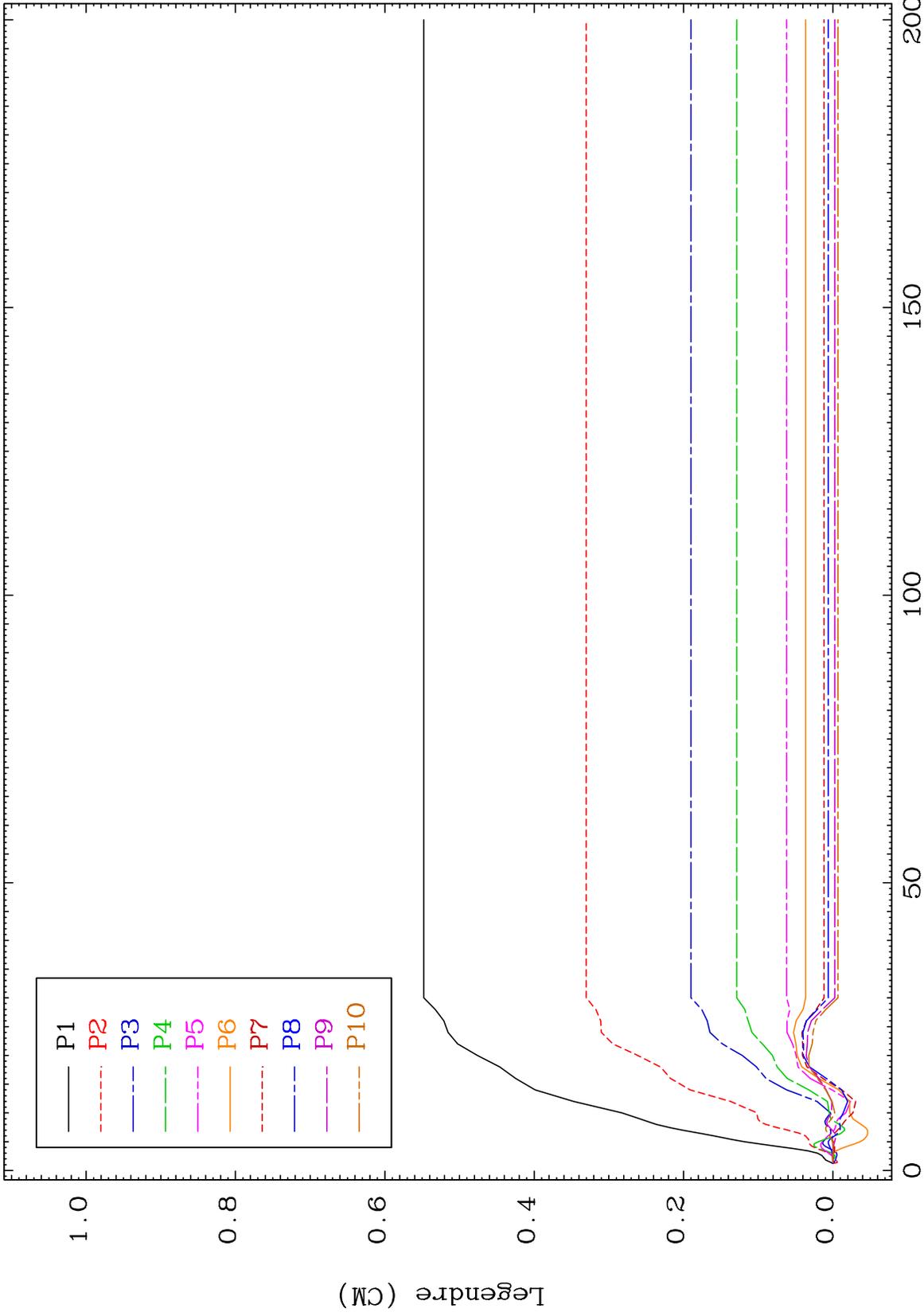
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



43

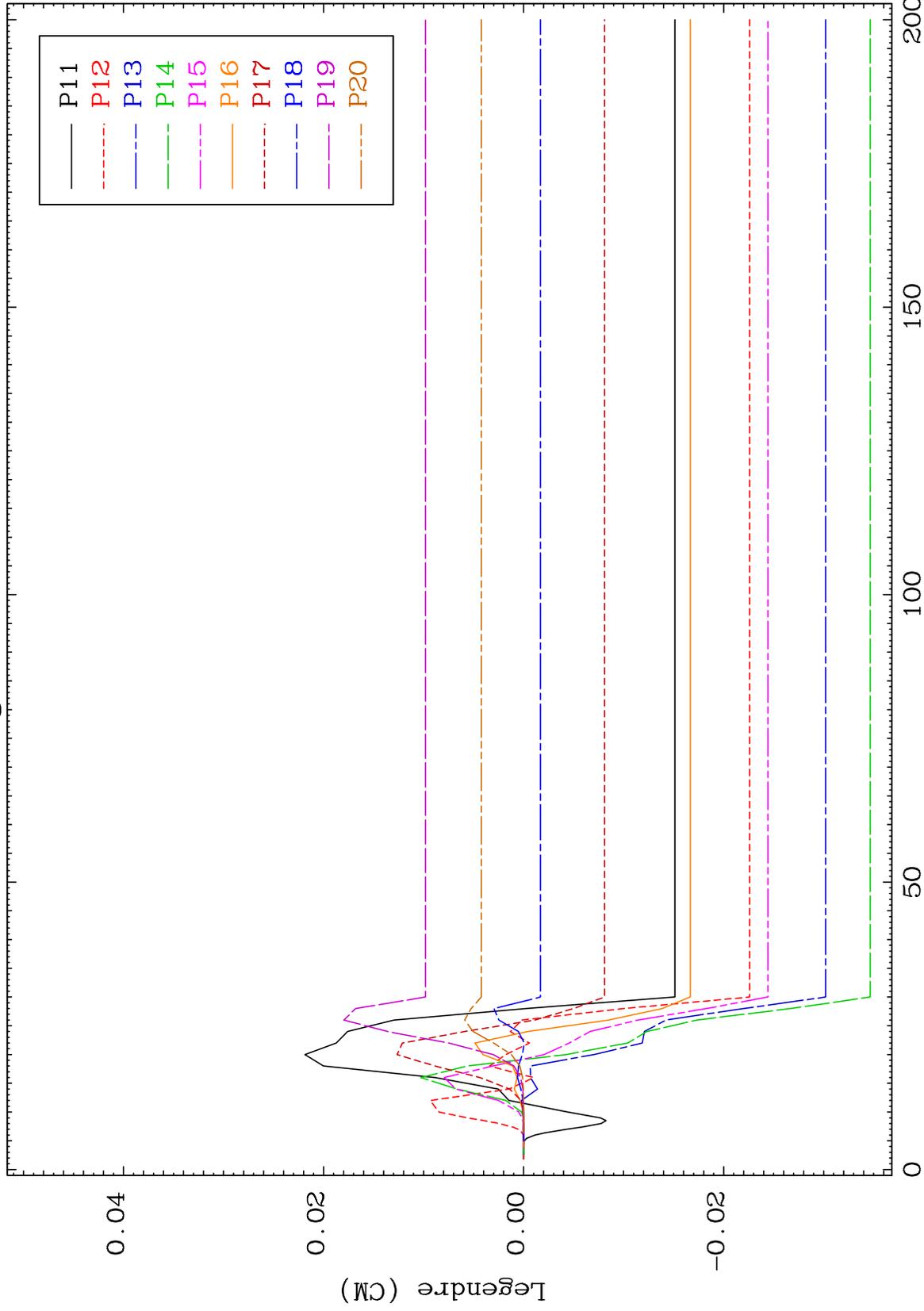
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MT= 57 (n,n') Level
Legendre Coefficients

83-Bi-201



44

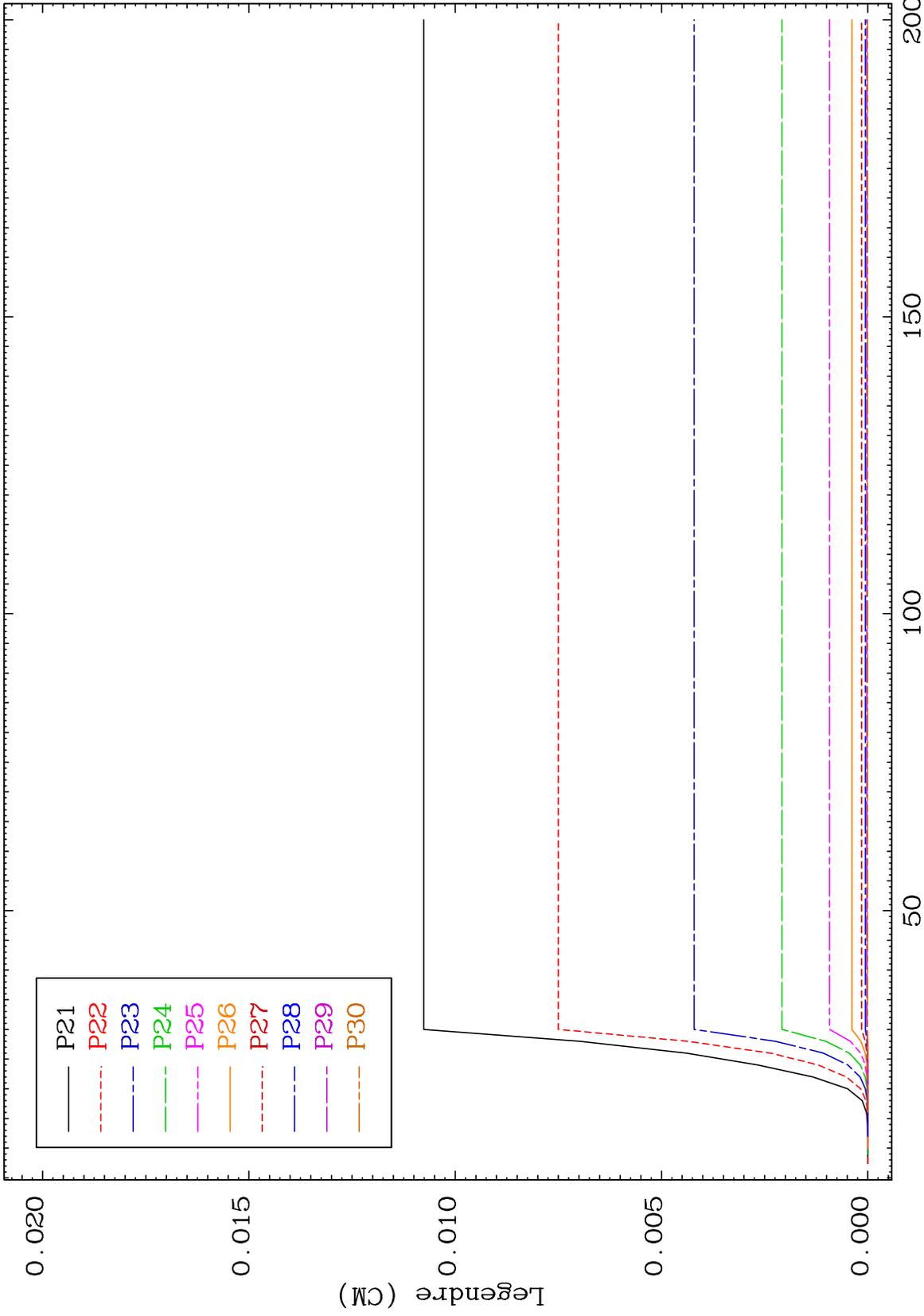
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MAT 8301

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

83-Bi-201



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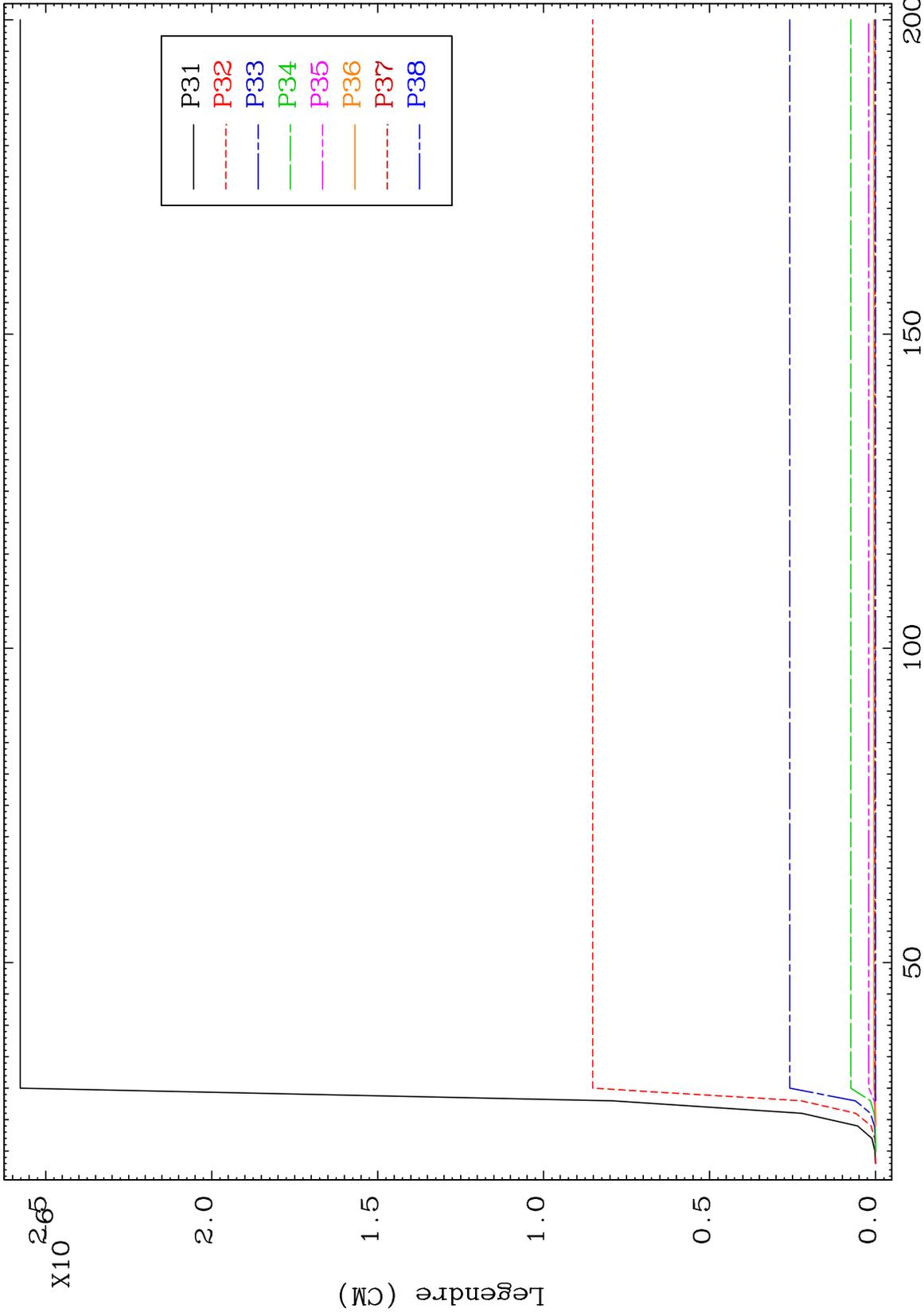
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83-Bi-201

MAT 8301

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

83-Bi-201



46

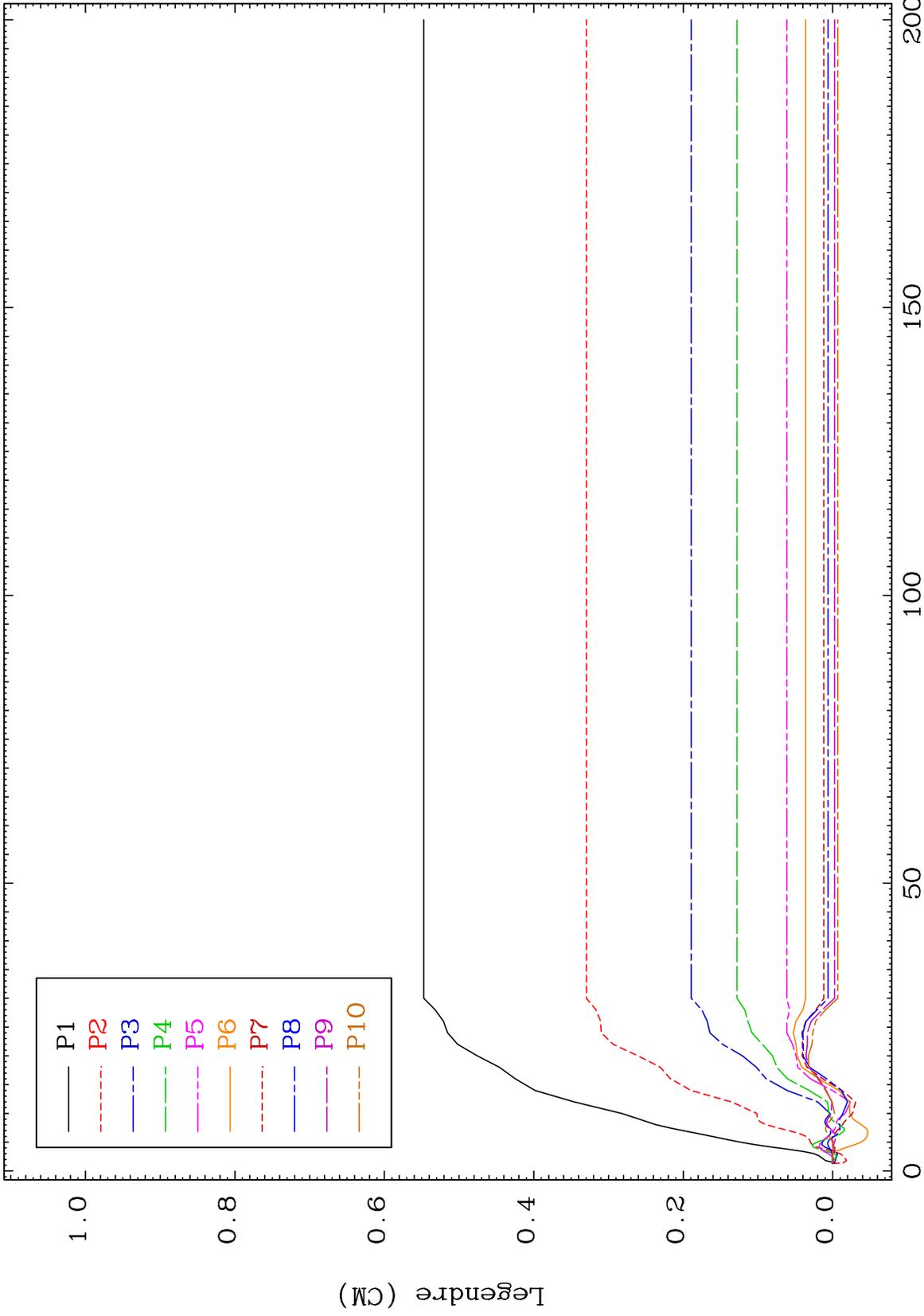
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



47

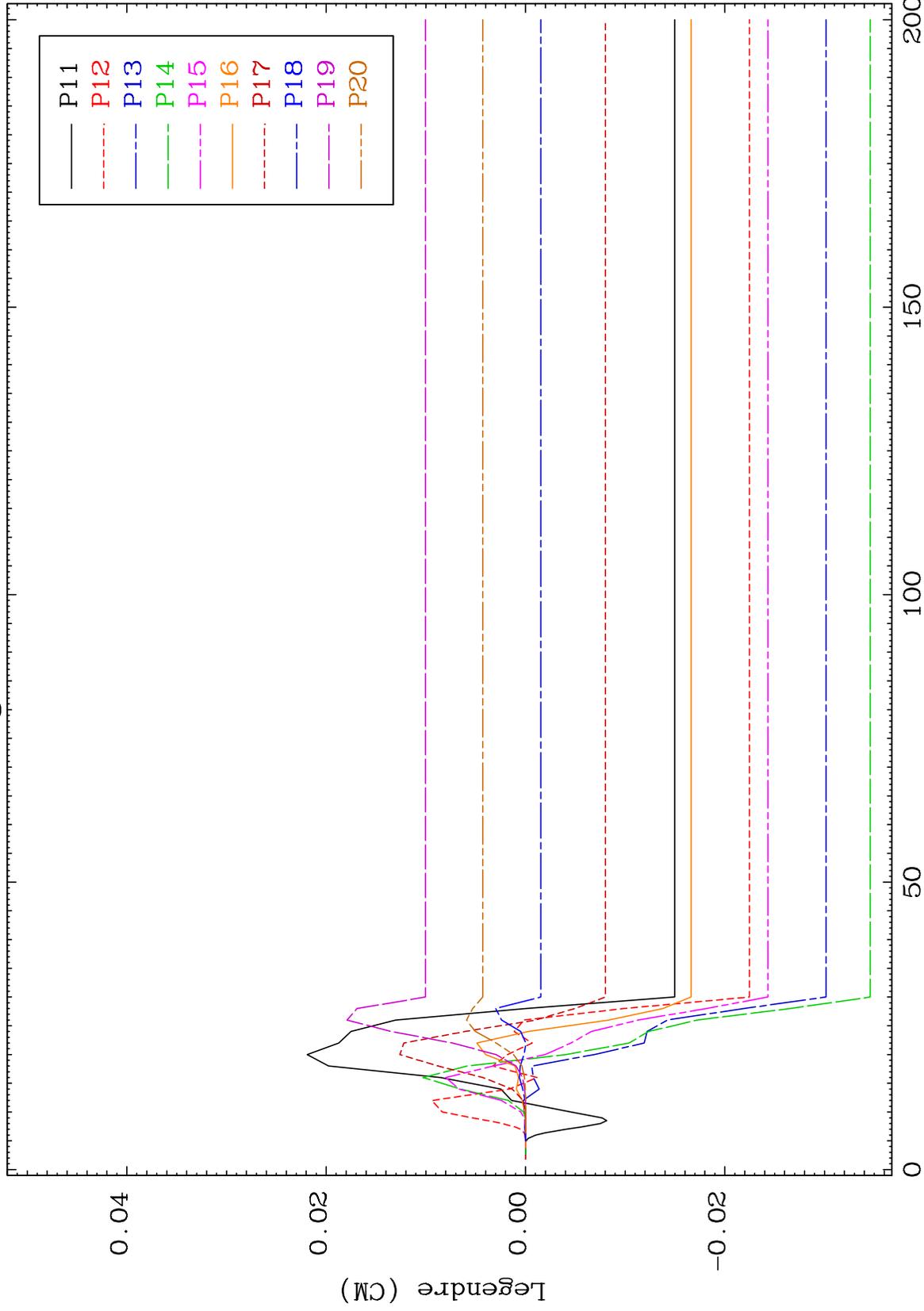
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



48

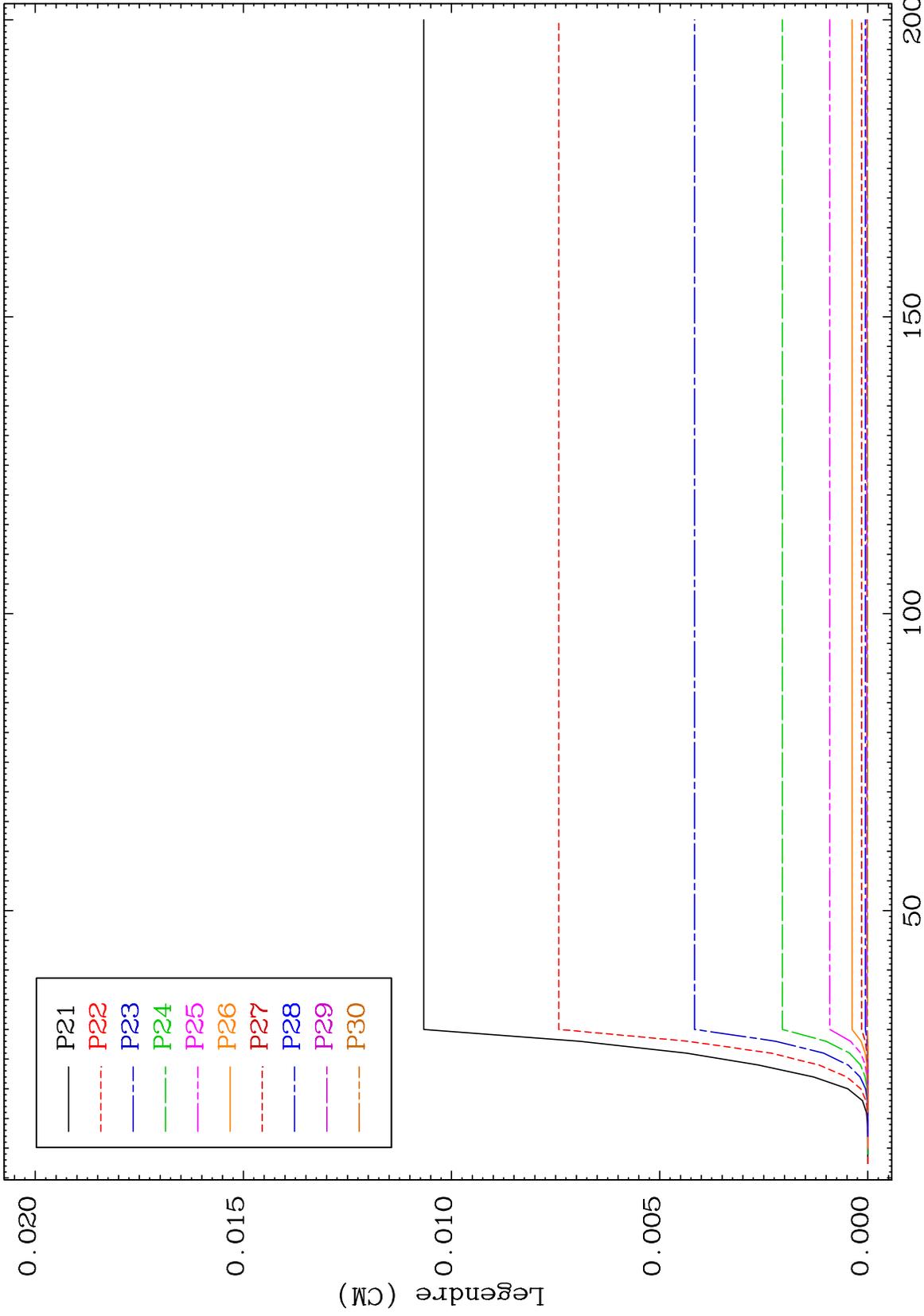
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

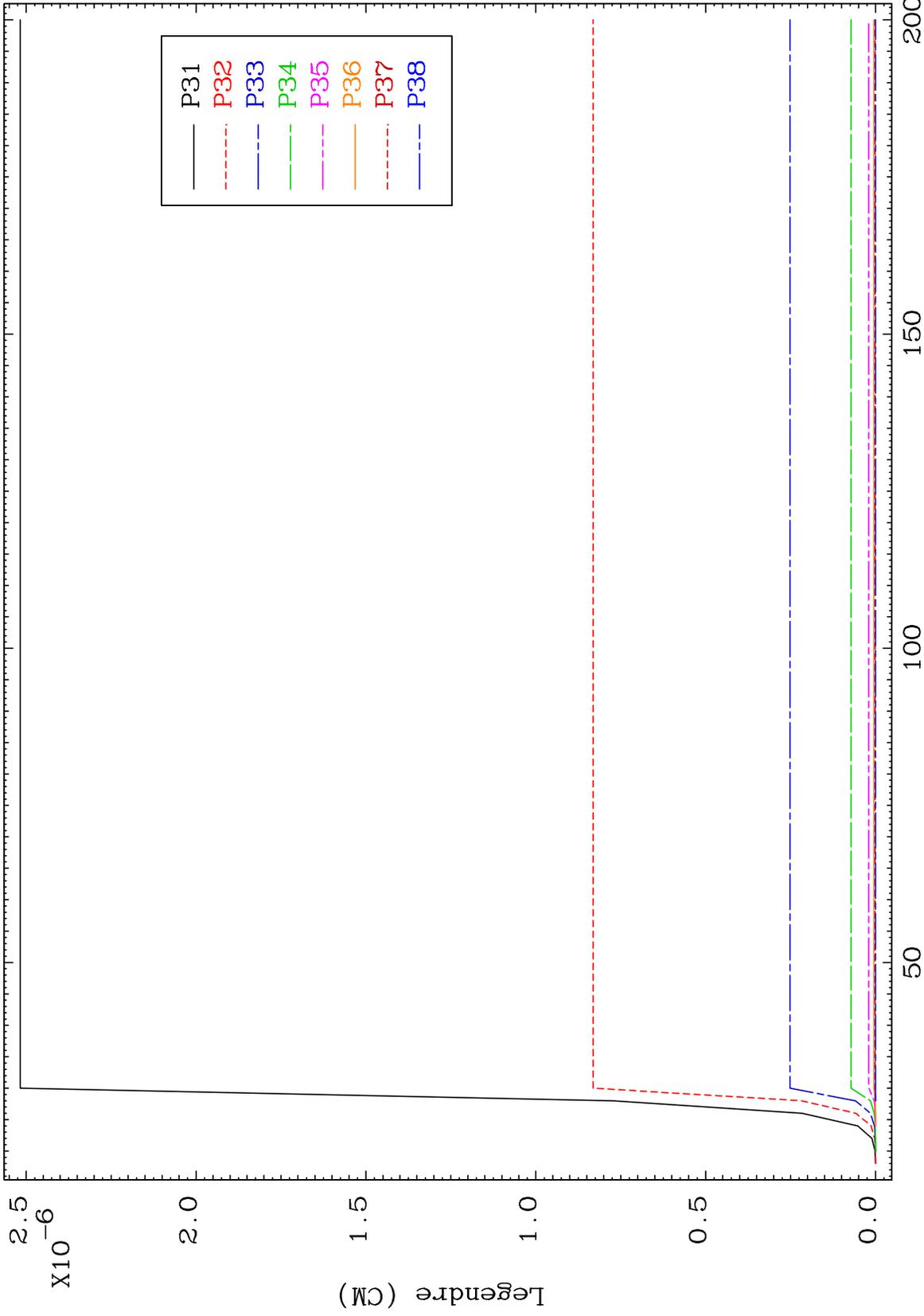
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MAT 8301

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

83-Bi-201



50

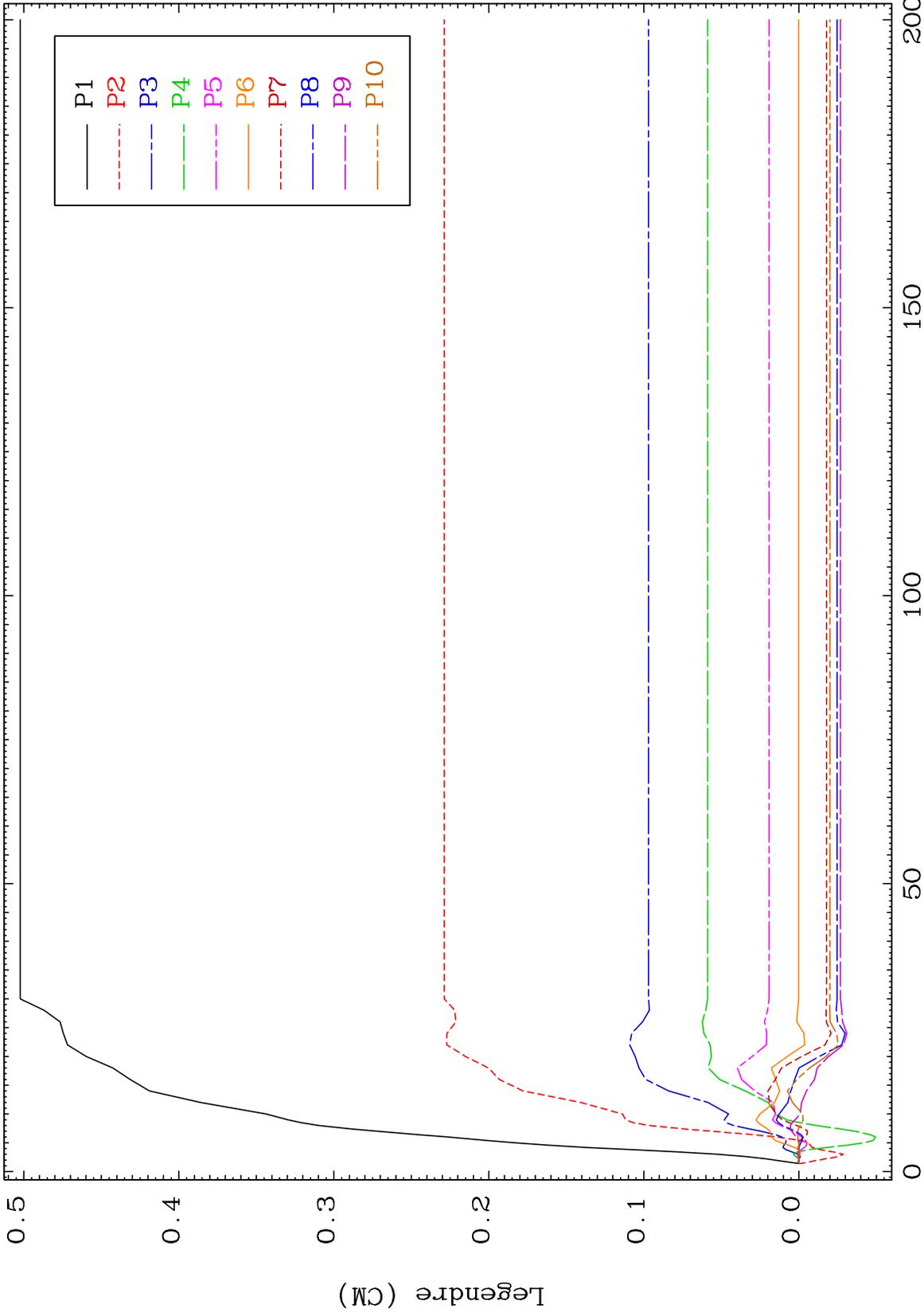
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



51

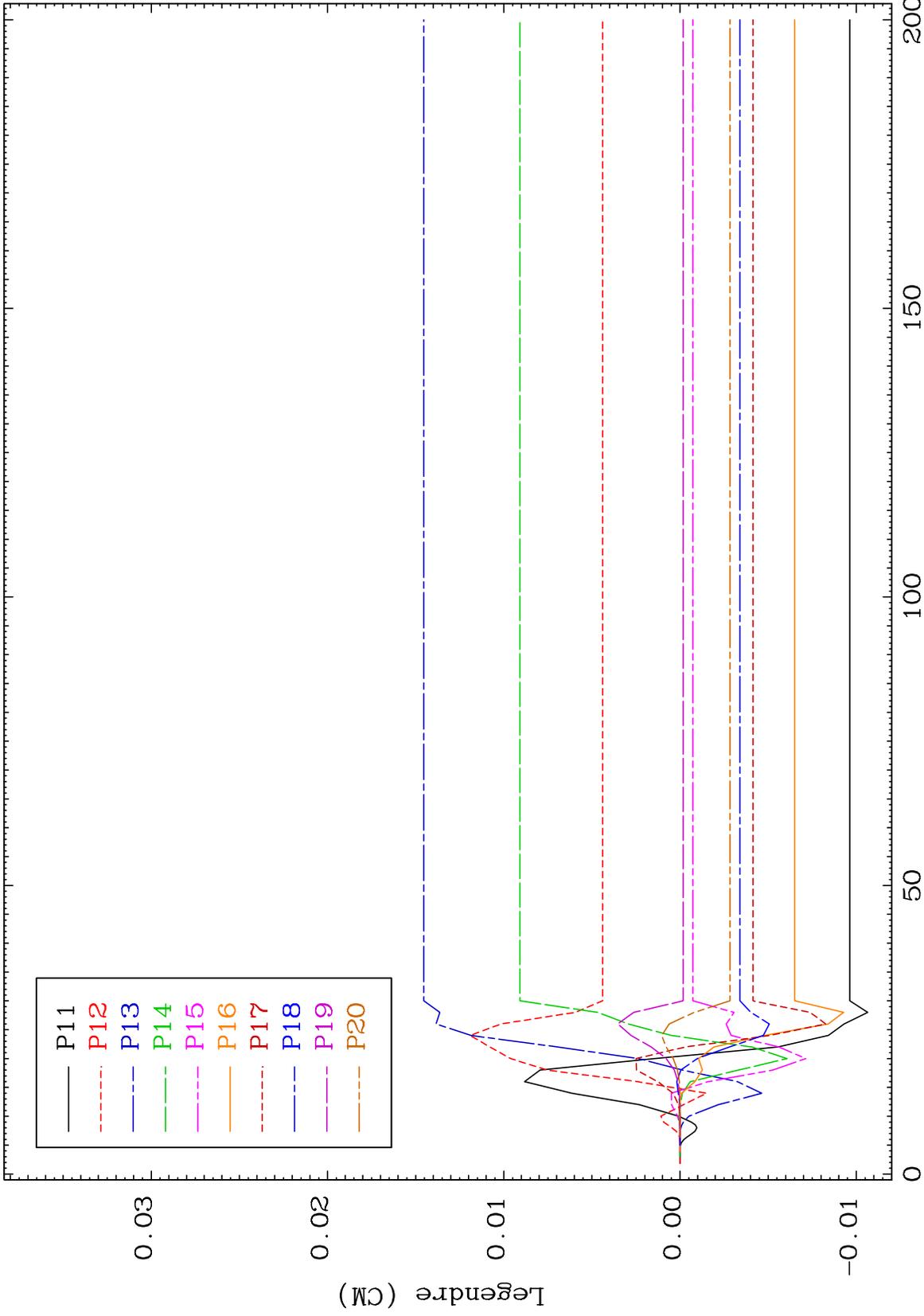
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MAT 8301

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

83-Bi-201



52

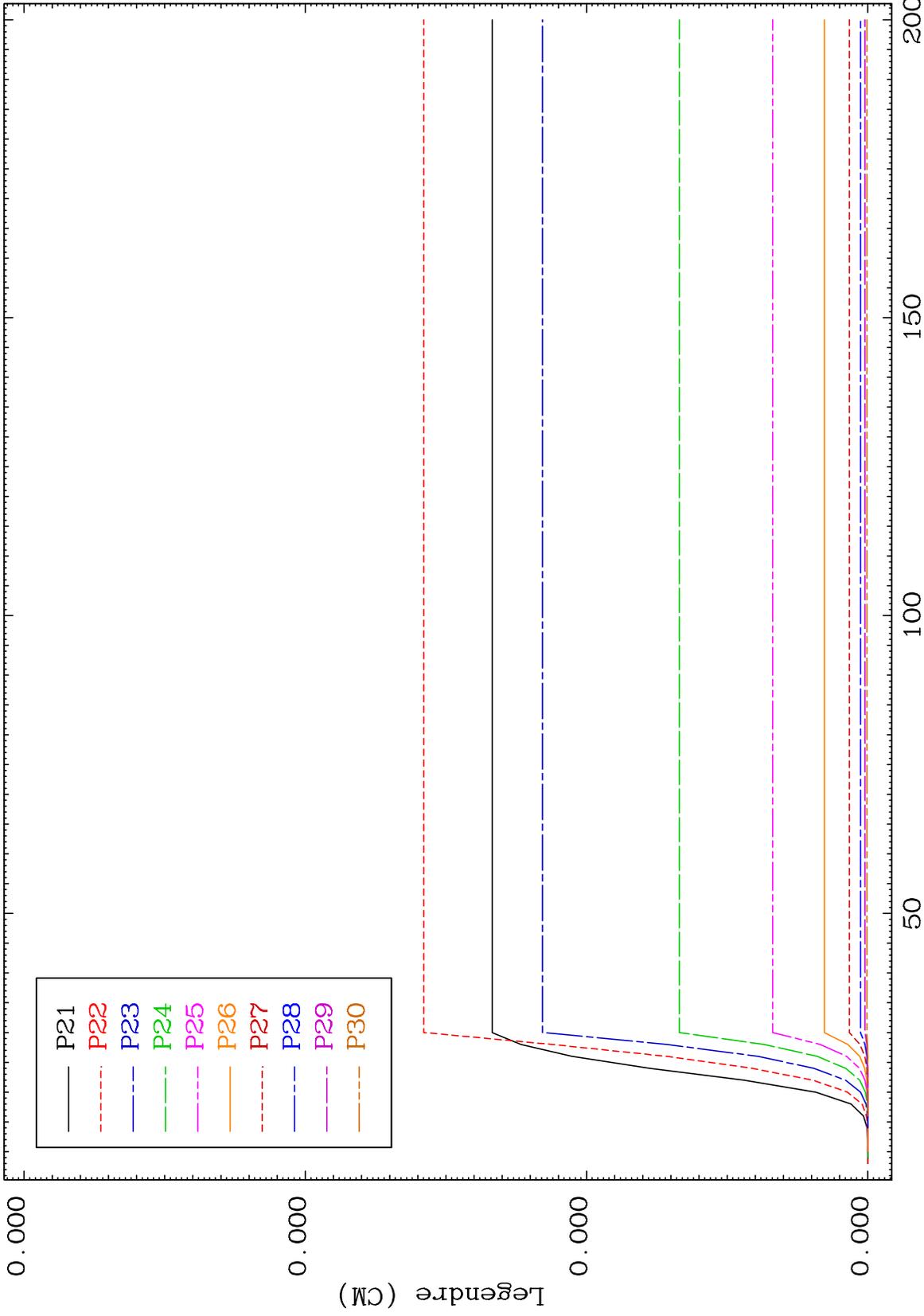
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



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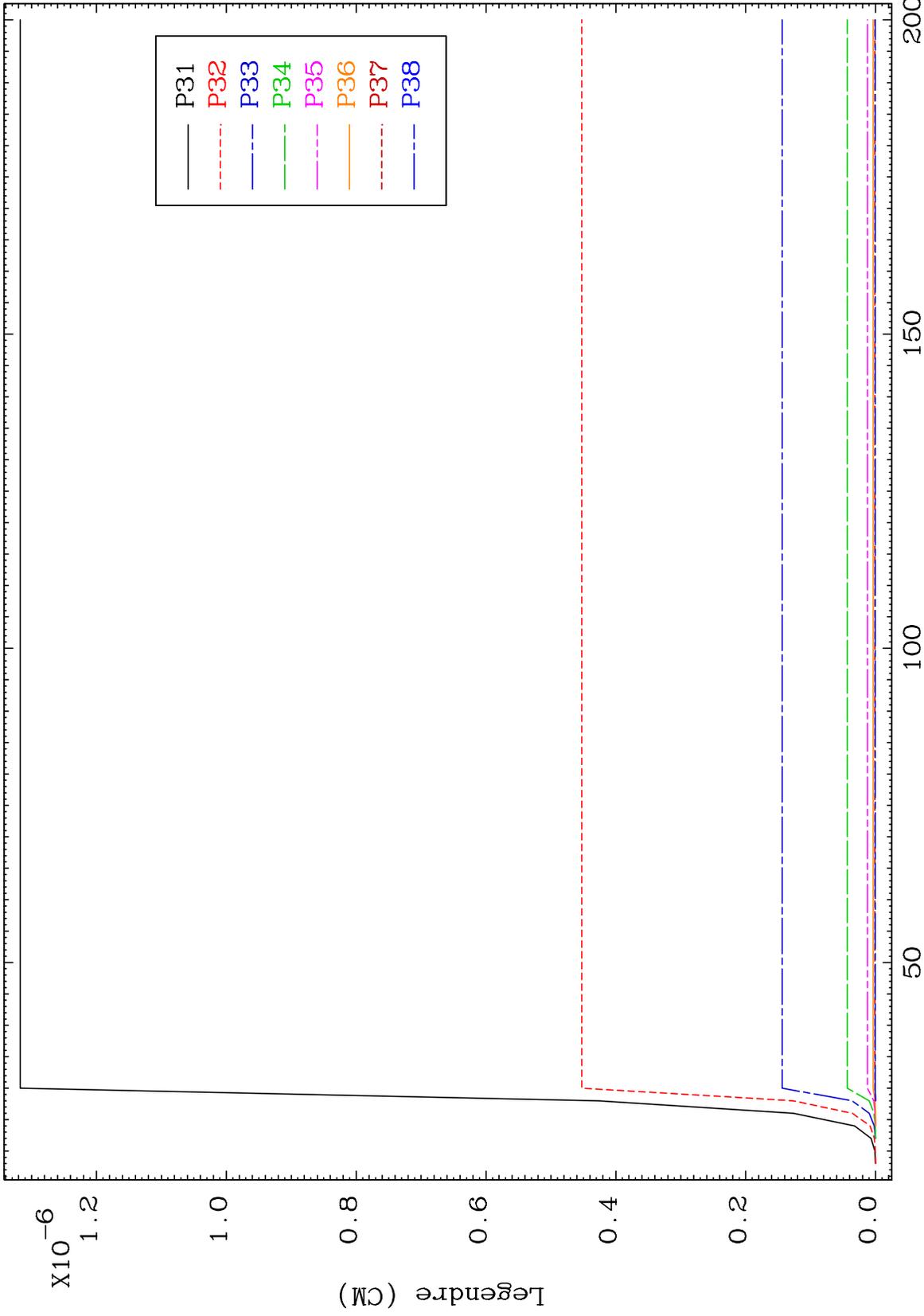
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201

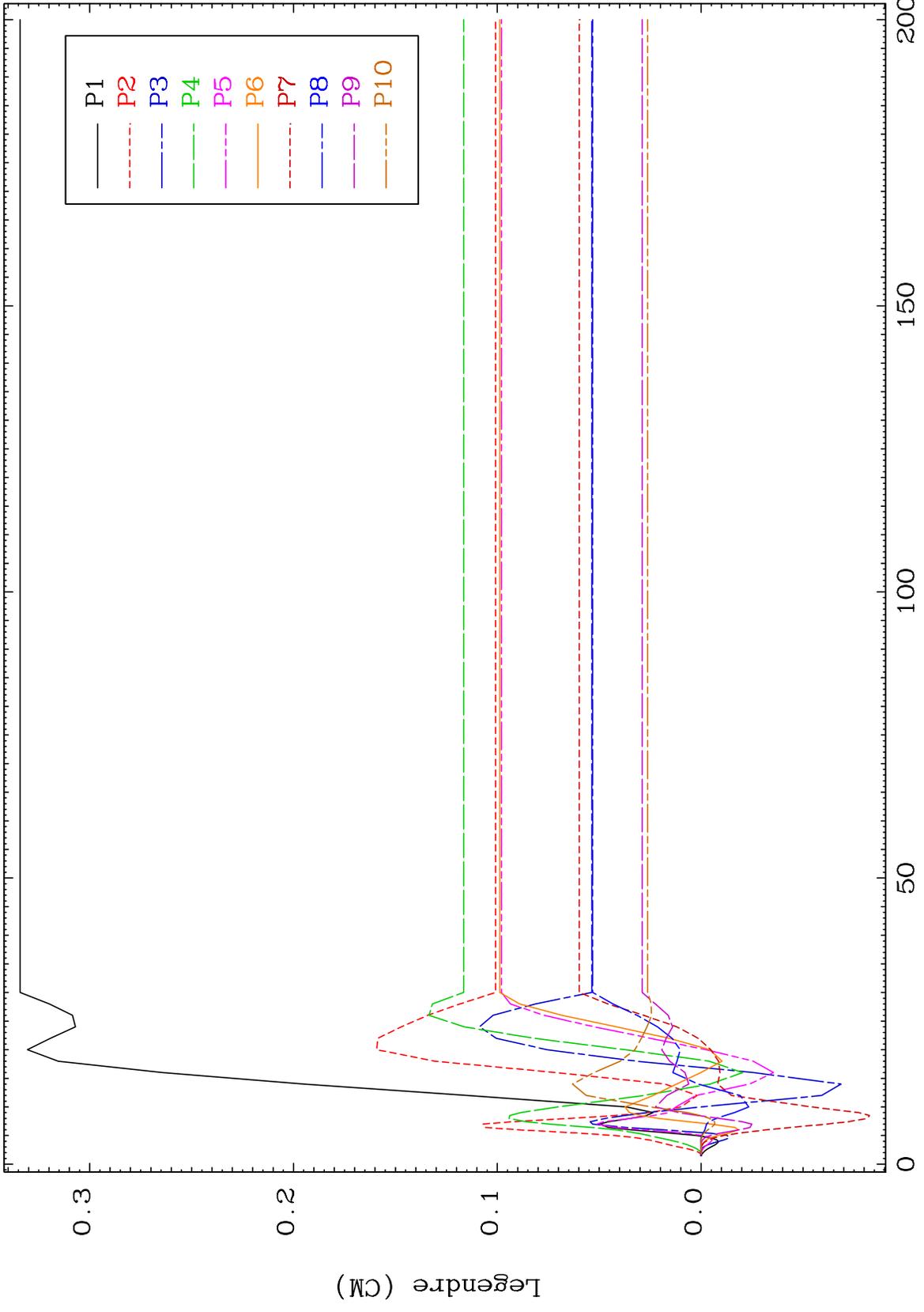


54

Incident Energy (MeV)

83-Bi-201

MAT 8301 MT= 60 (n,n') Level Legendre Coefficients 83-Bi-201

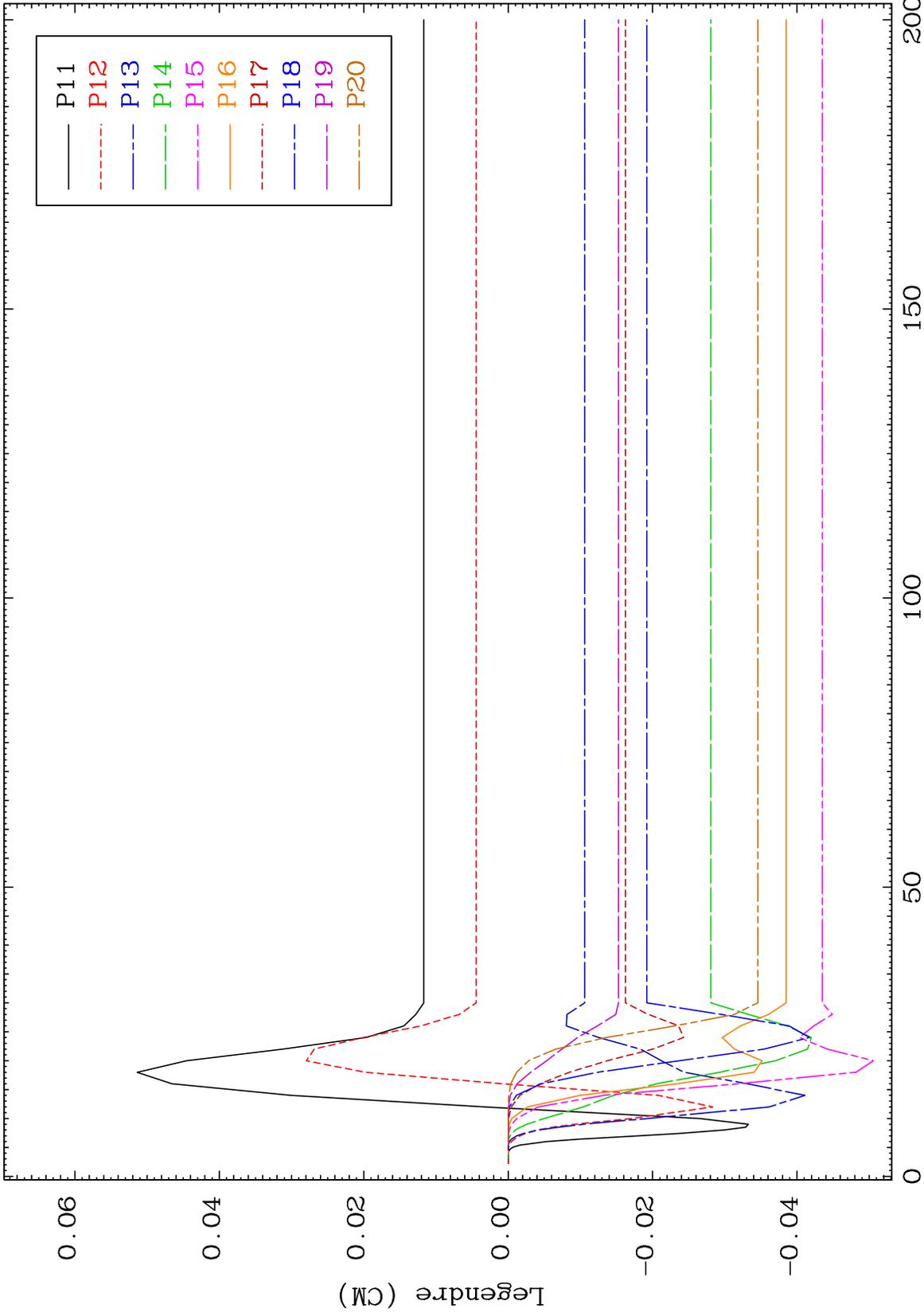


55 Incident Energy (MeV) 83-Bi-201

MAT 8301

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

83-Bi-201



56

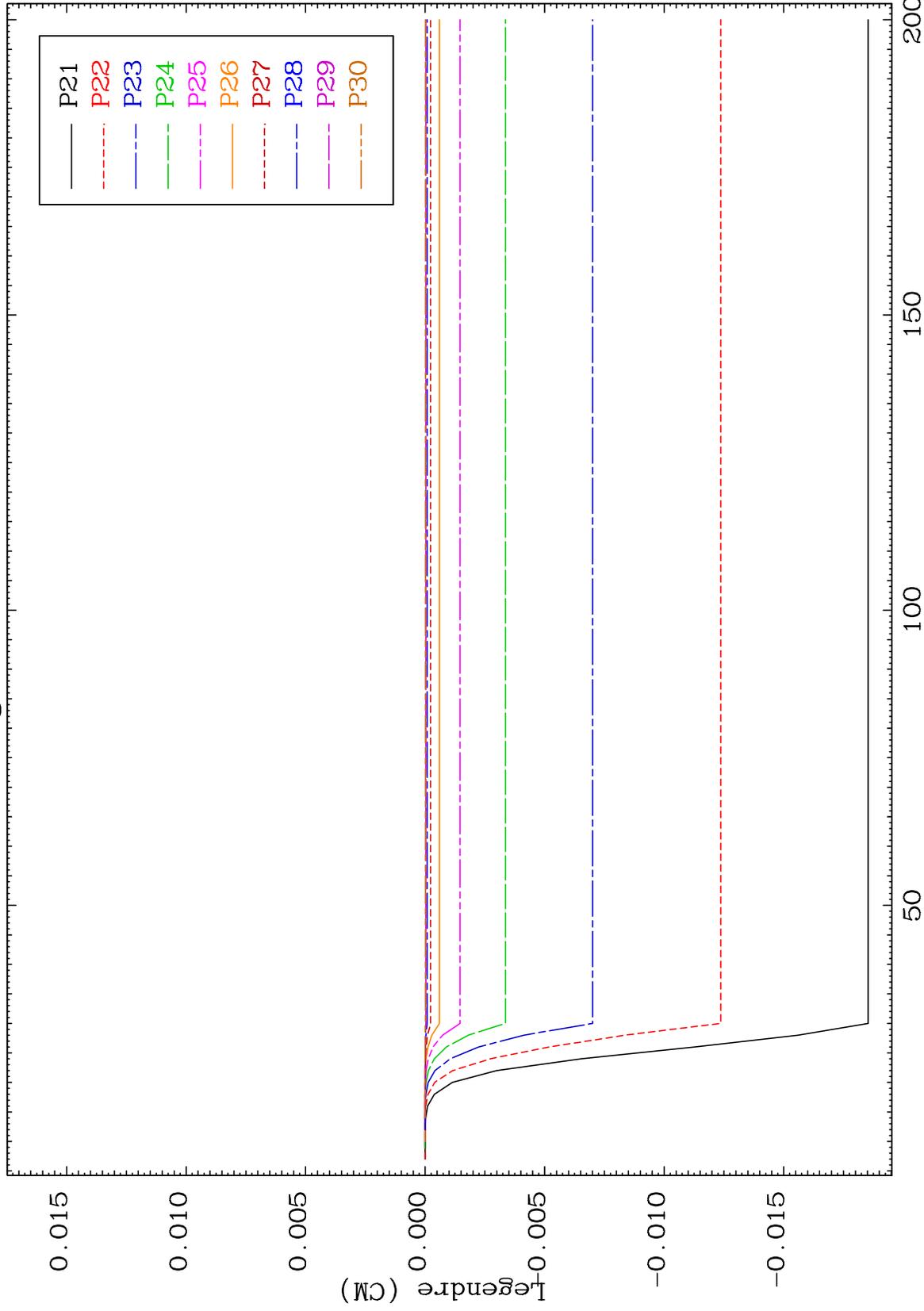
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201

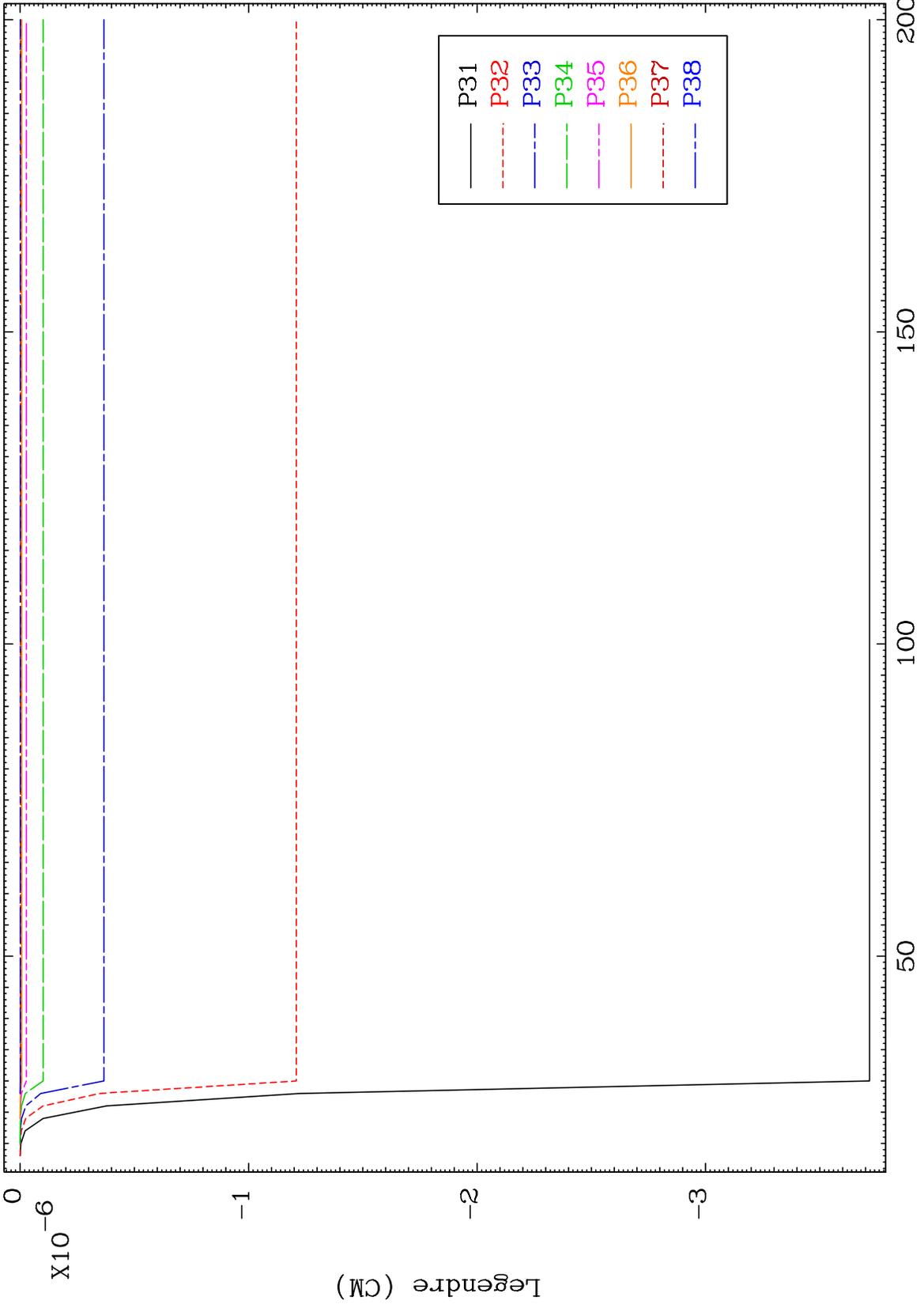


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Incident Energy (MeV)

83-Bi-201

MAT 8301 MT= 60 (n,n') Level Legendre Coefficients 83-Bi-201

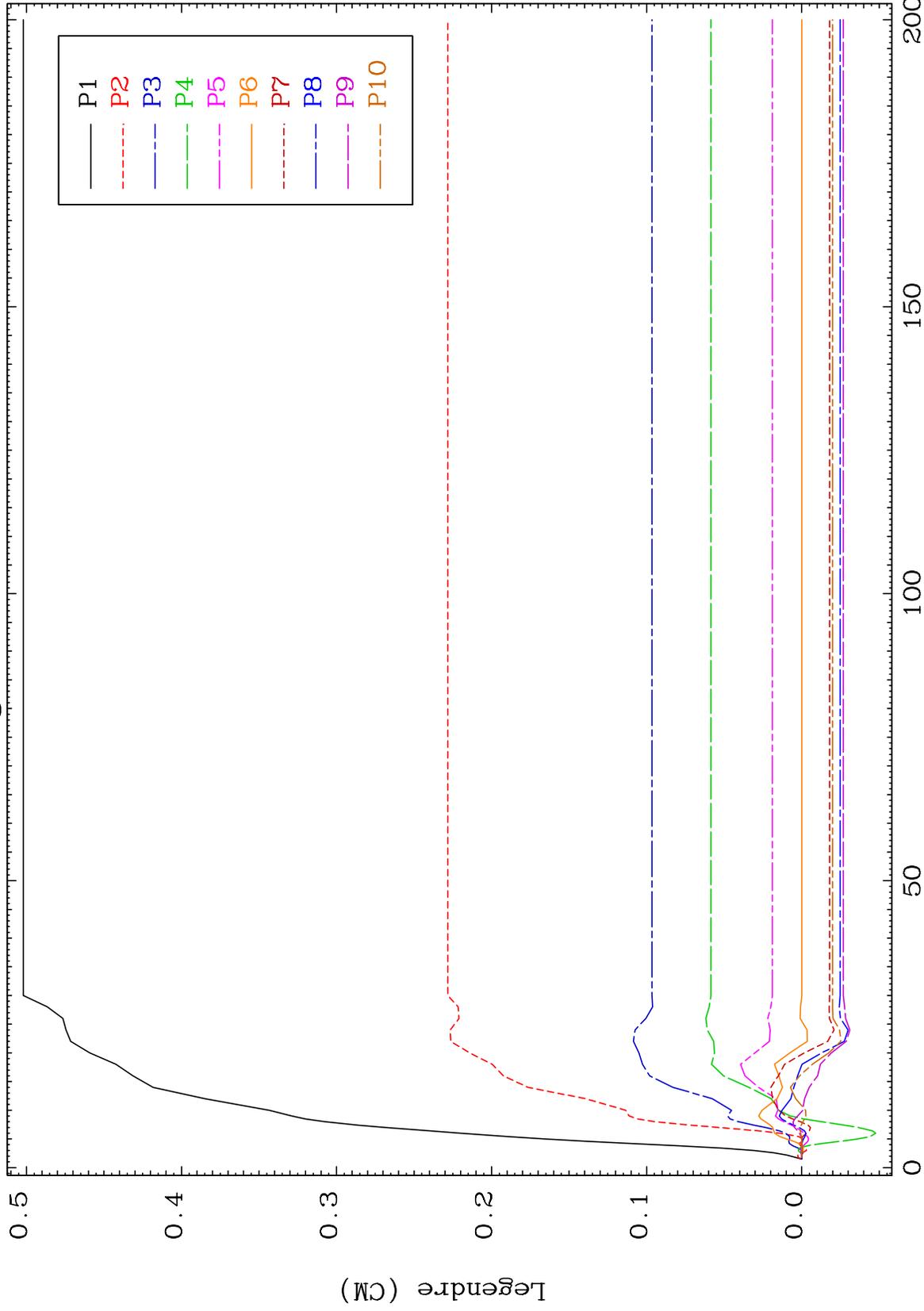


58 83-Bi-201

MAT 8301

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

83-Bi-201



59

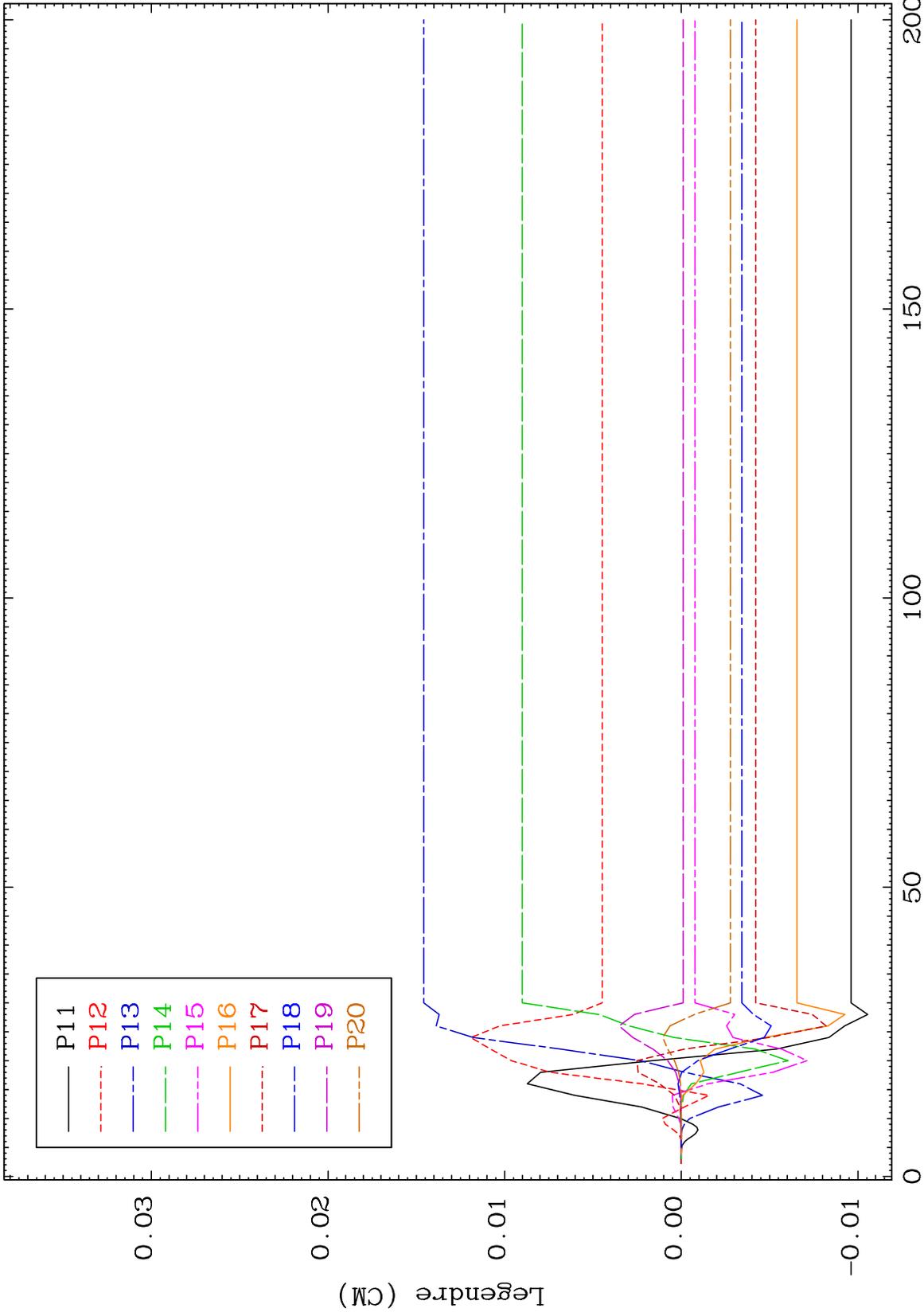
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



60

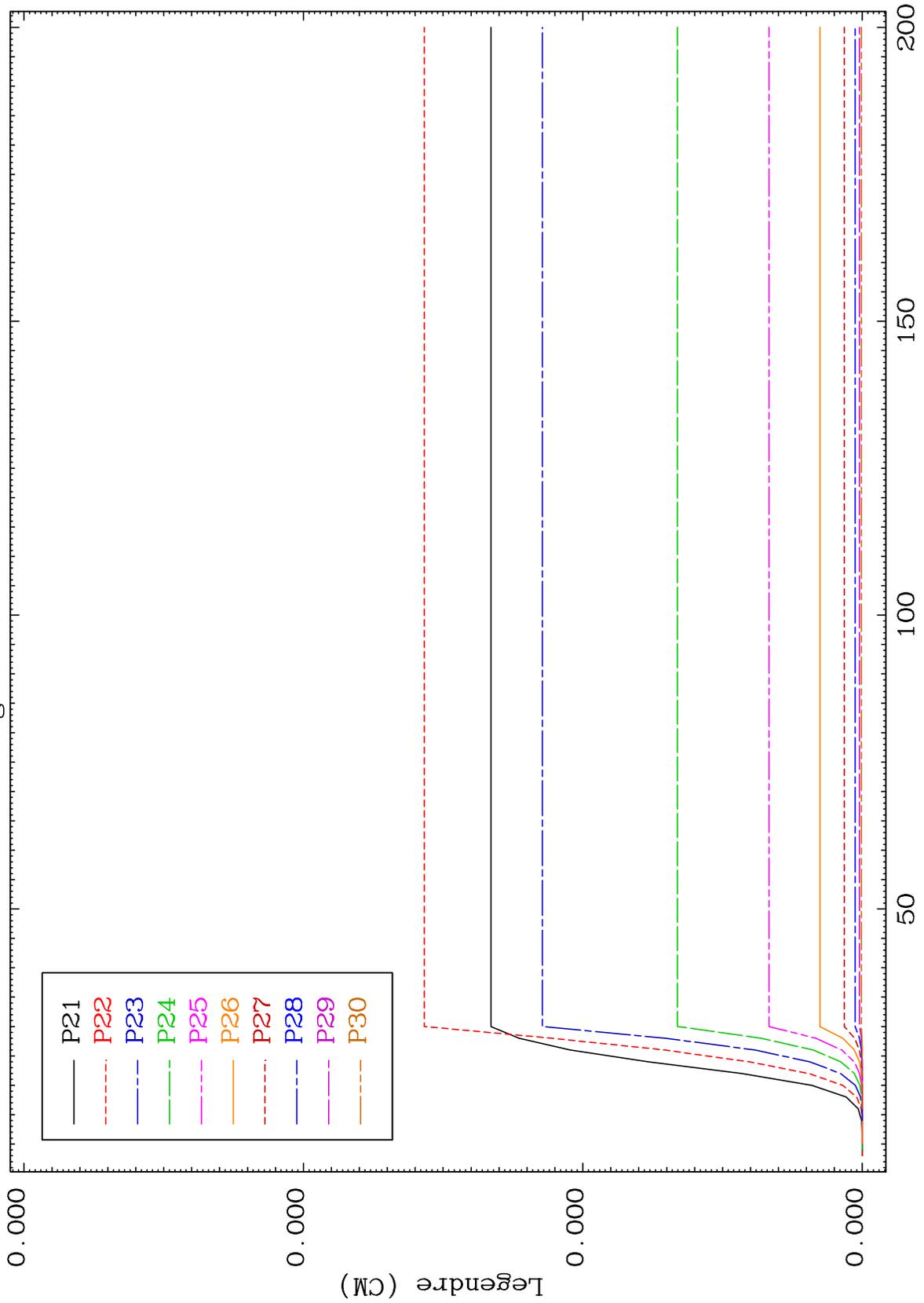
Incident Energy (MeV)

83-Bi-201

MAT 8301 MT= 61 (n,n') Level Legendre Coefficients

83-Bi-201

83-Bi-201

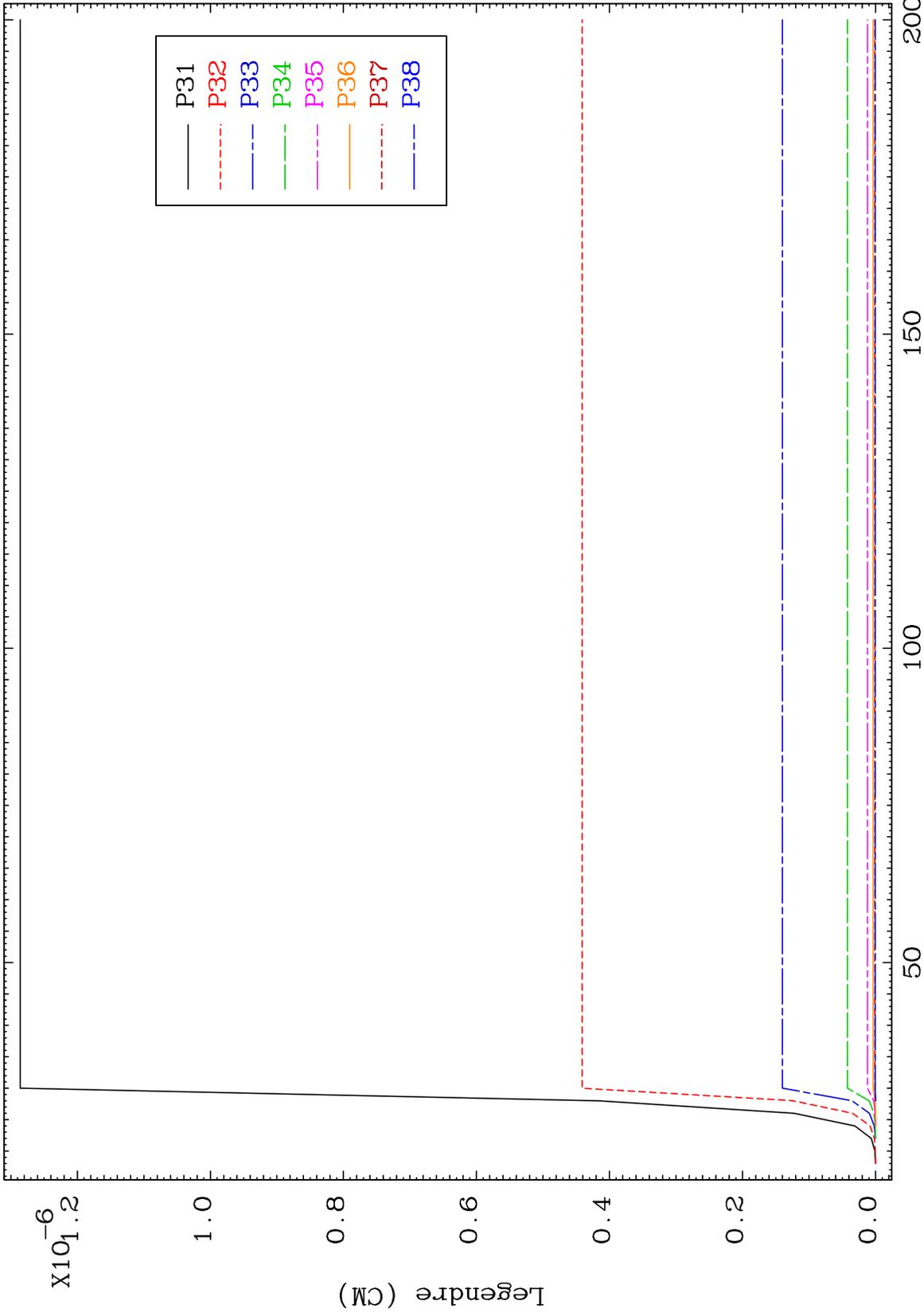


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MAT 8301

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

83-Bi-201



62

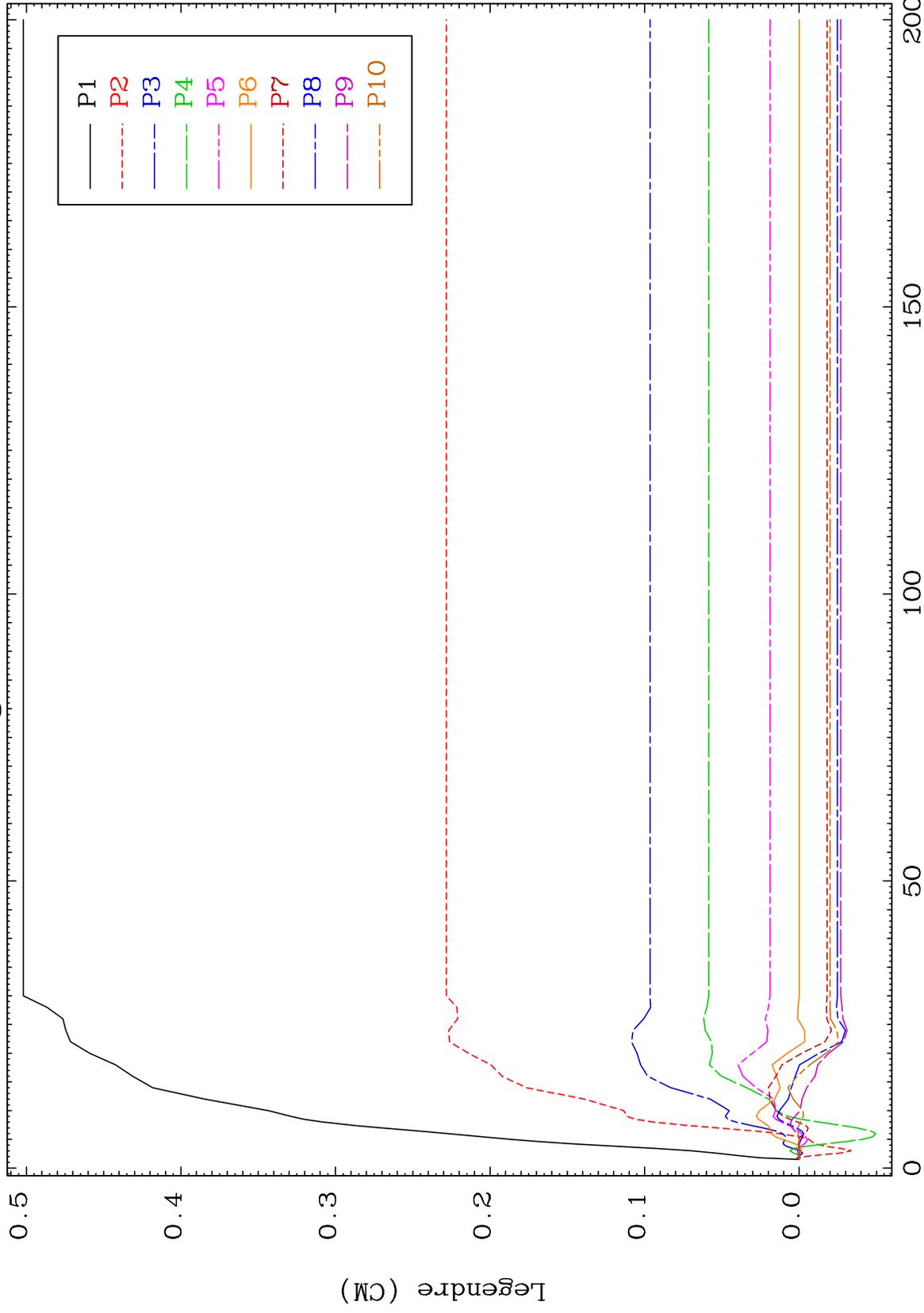
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



63

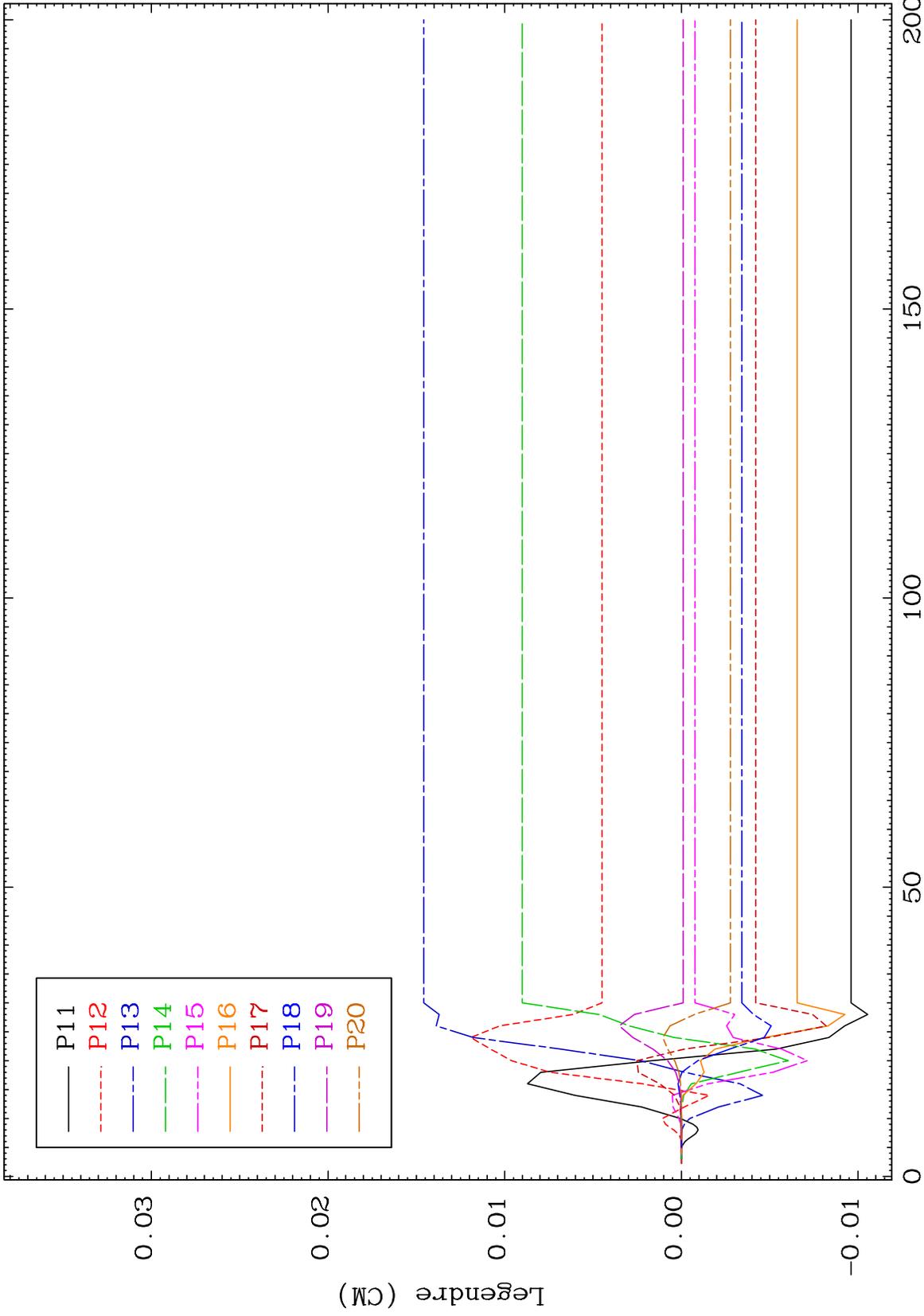
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



64

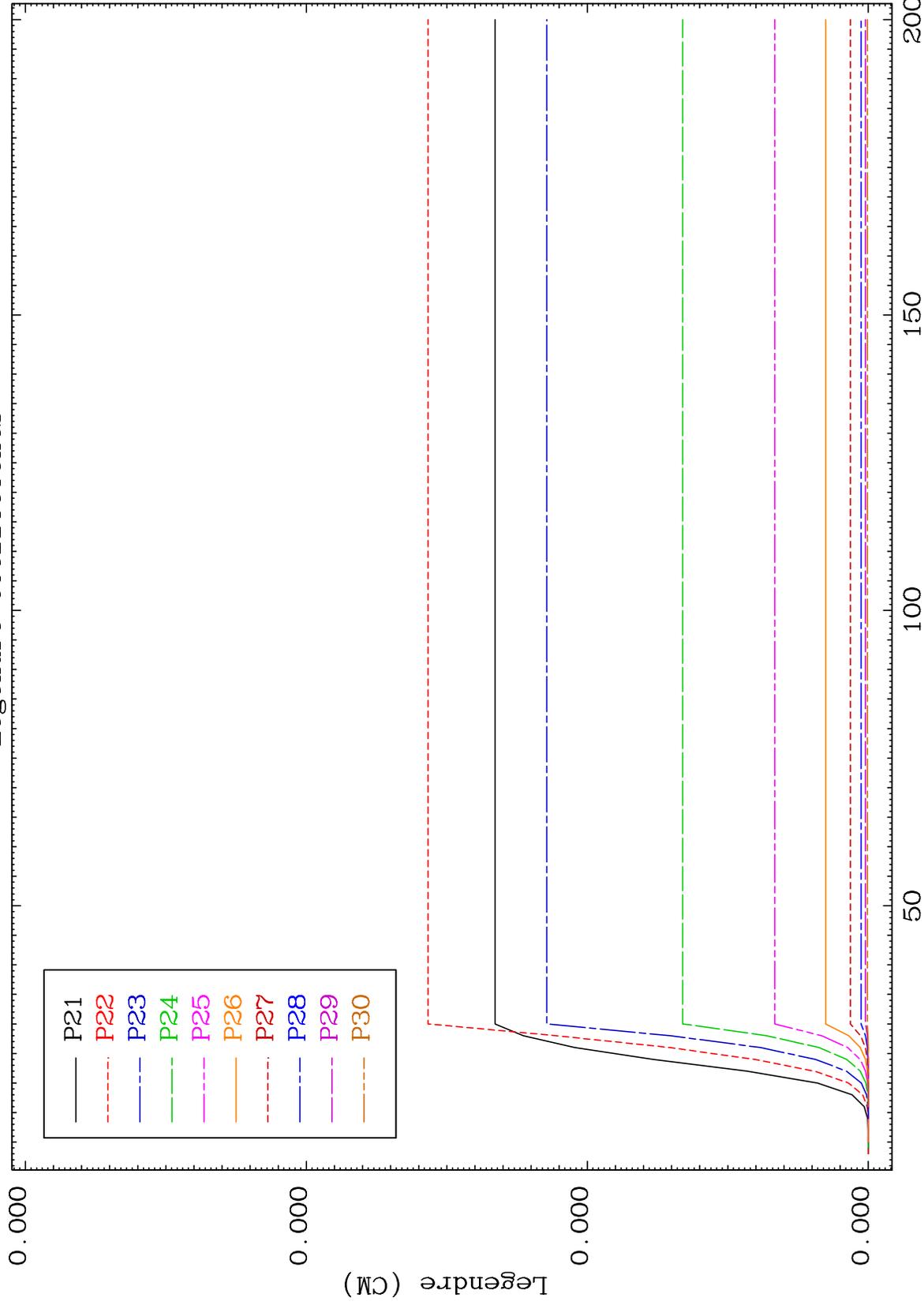
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



65

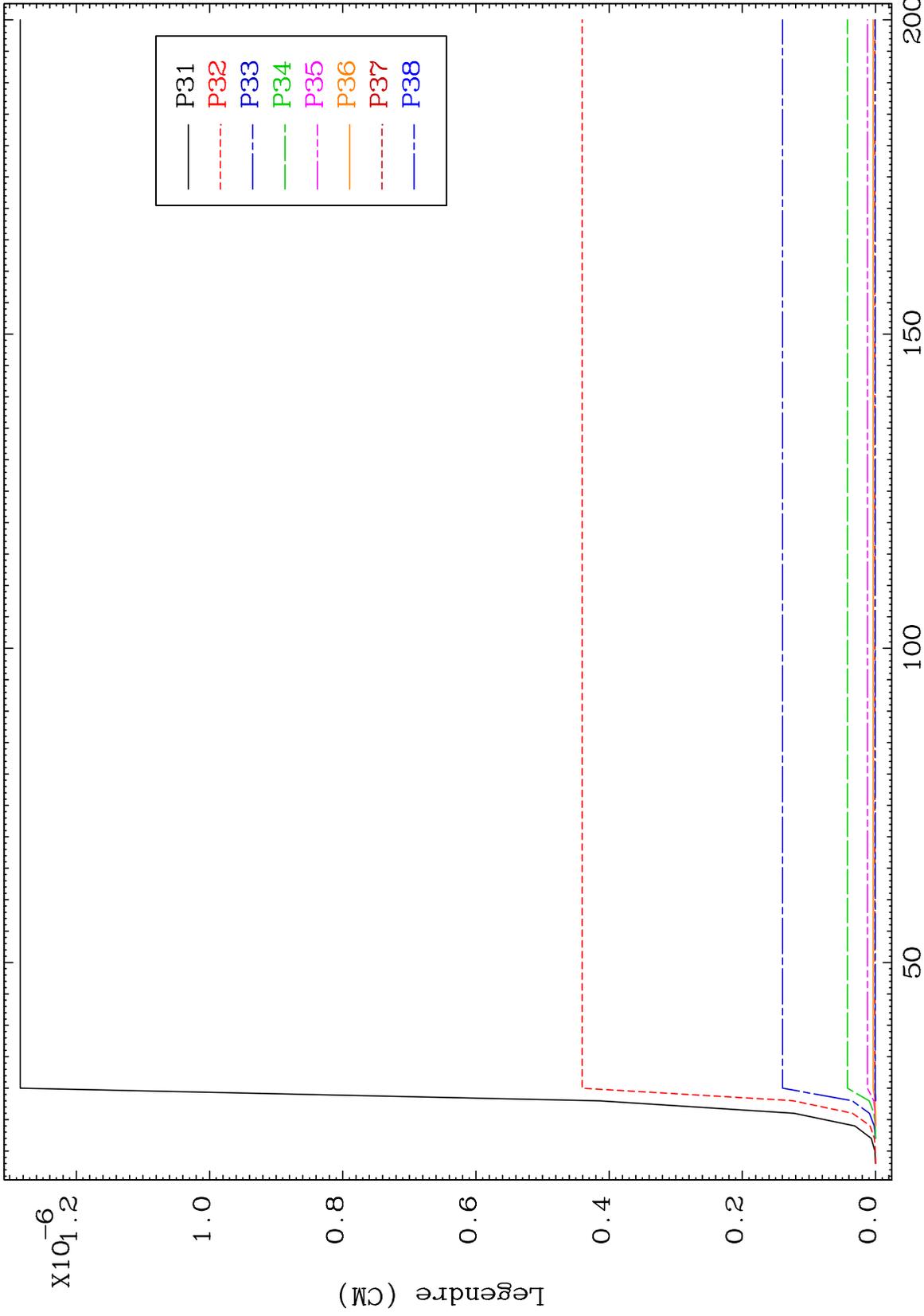
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



66

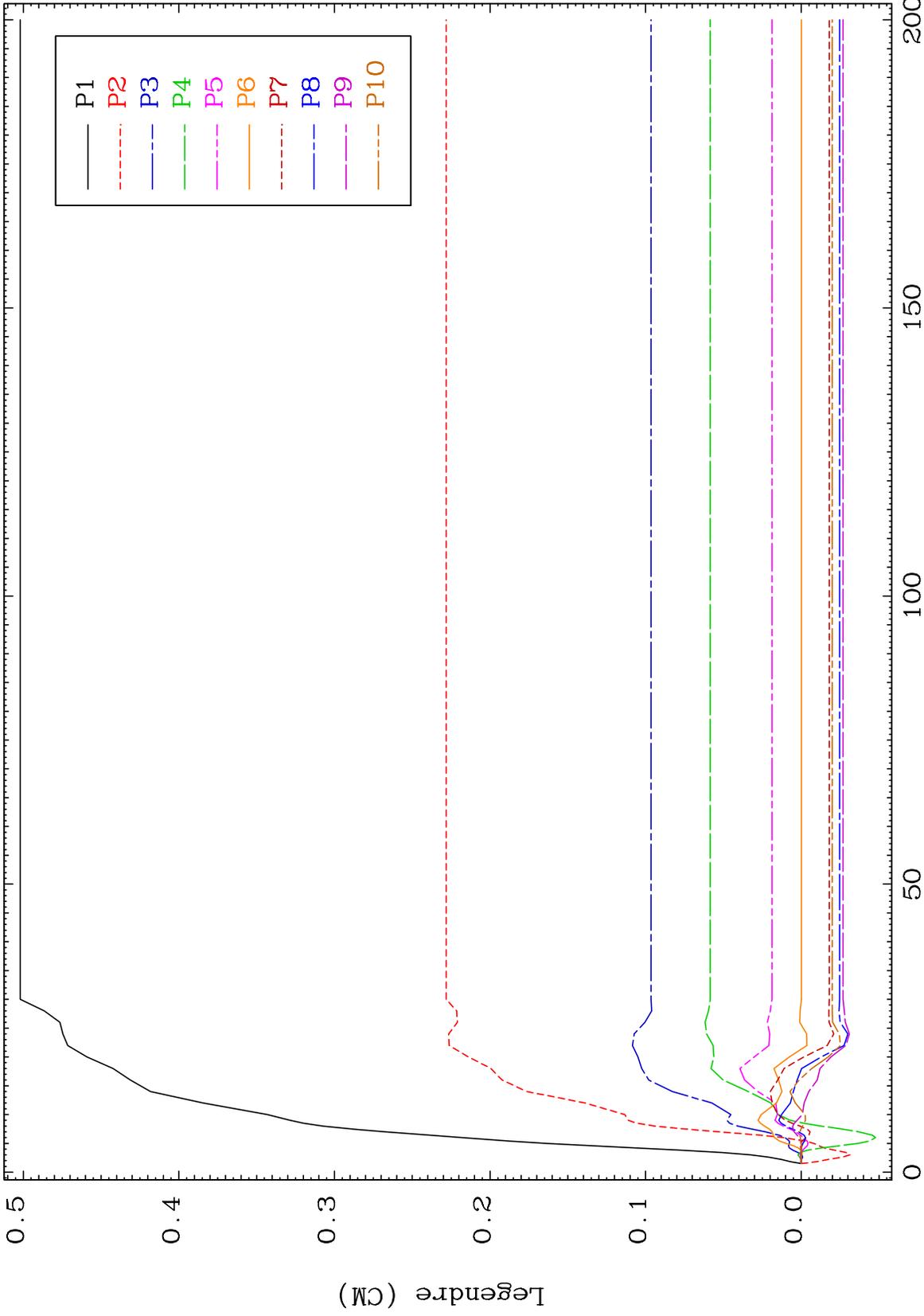
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



67

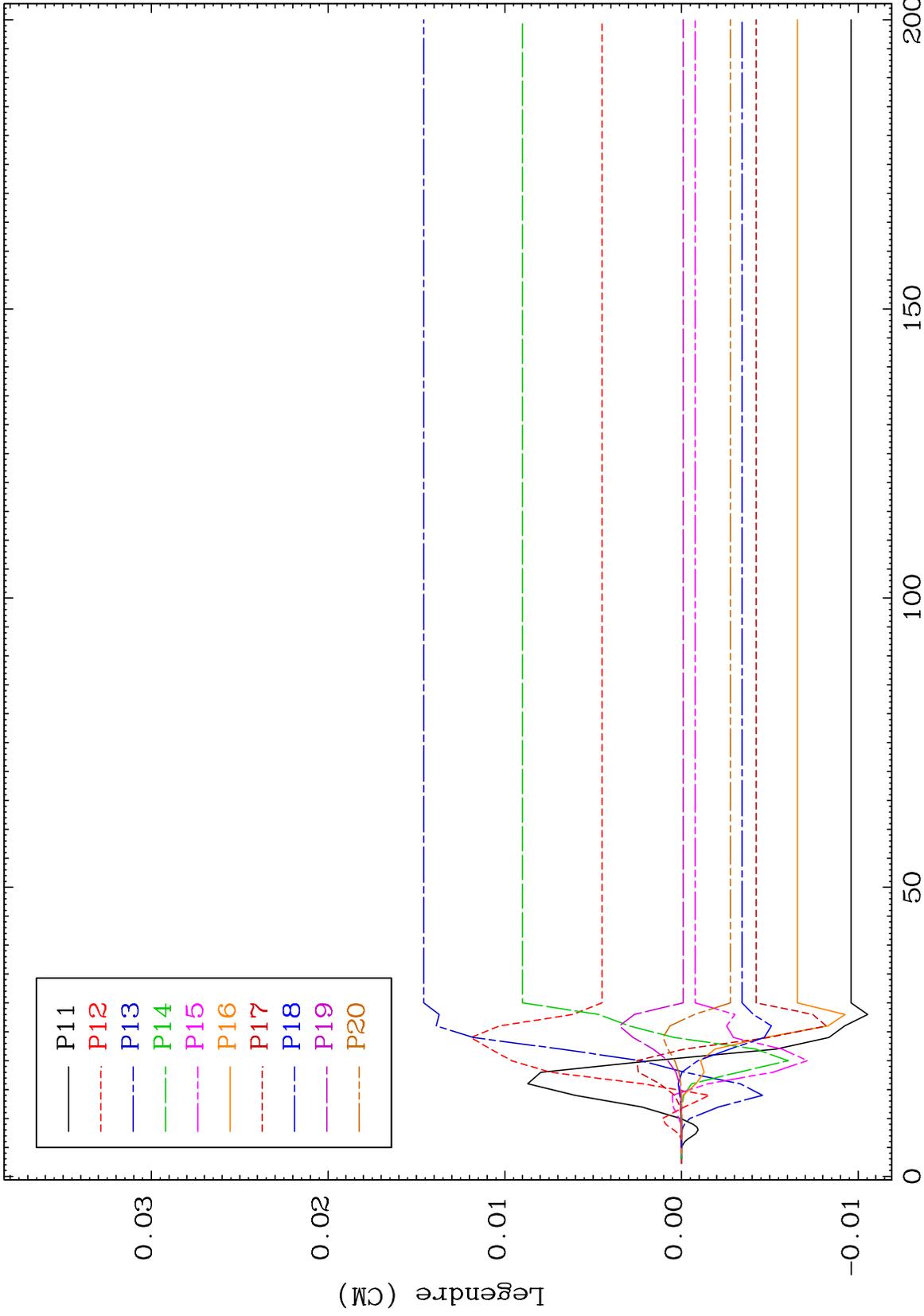
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



68

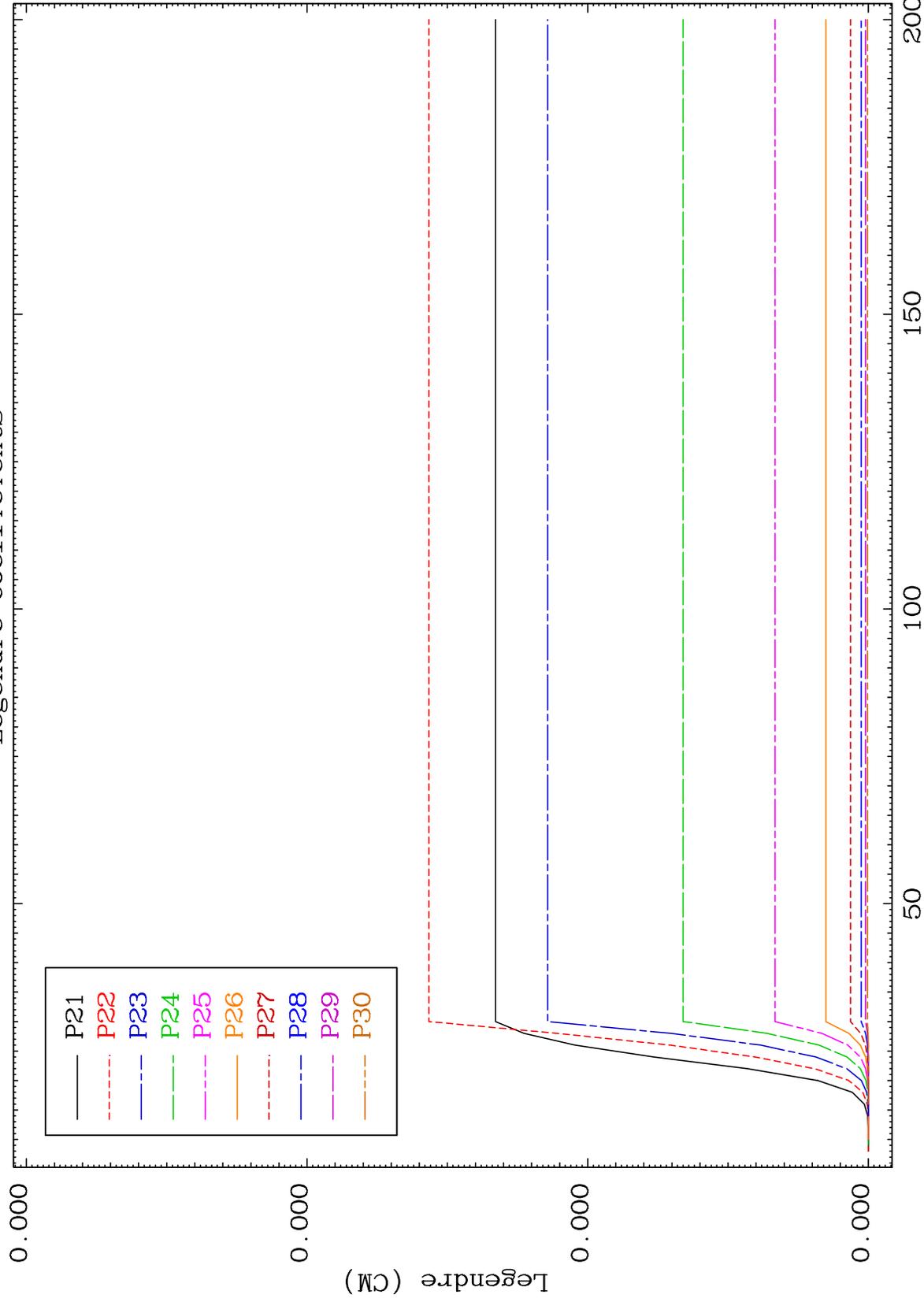
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



69

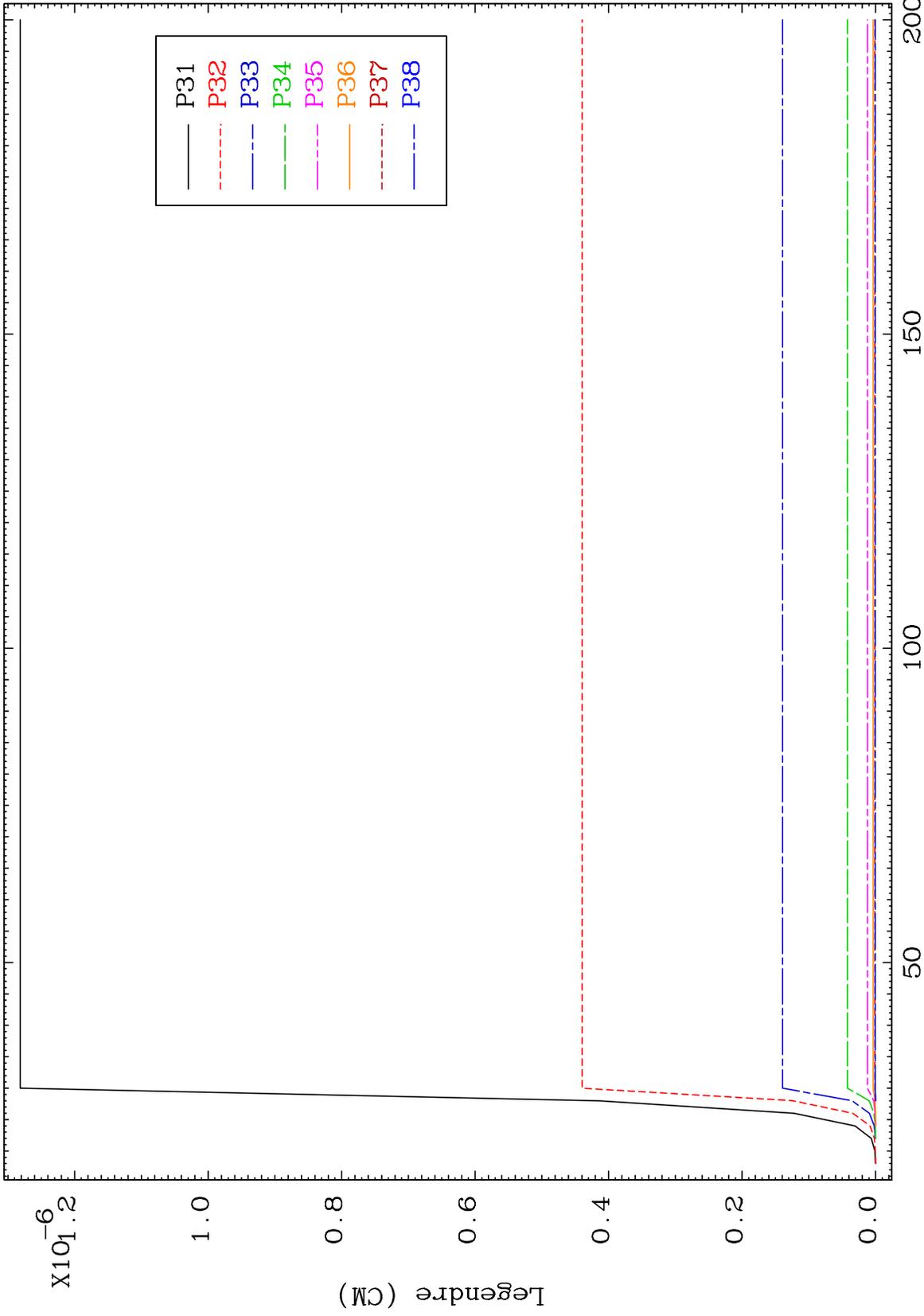
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



70

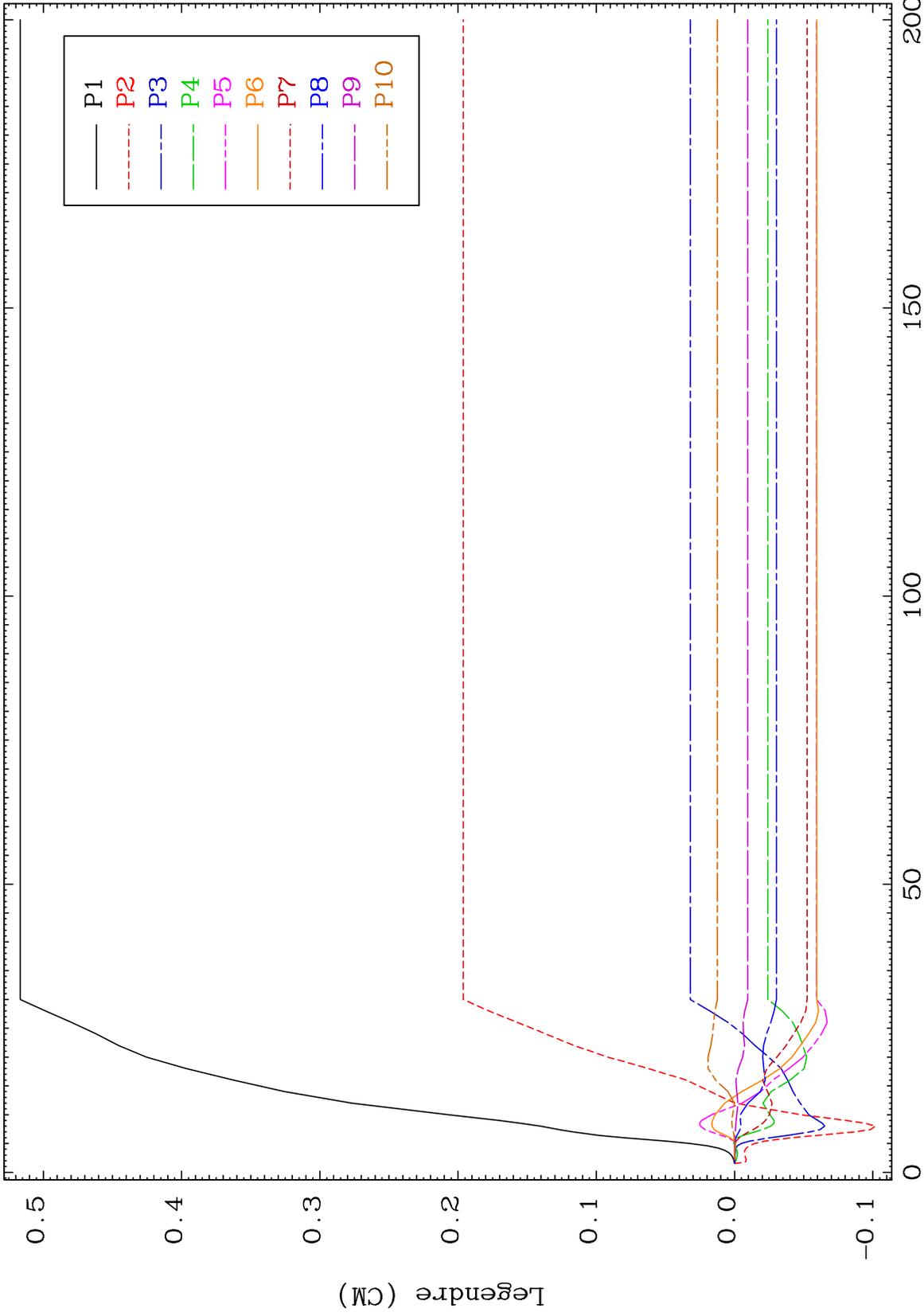
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

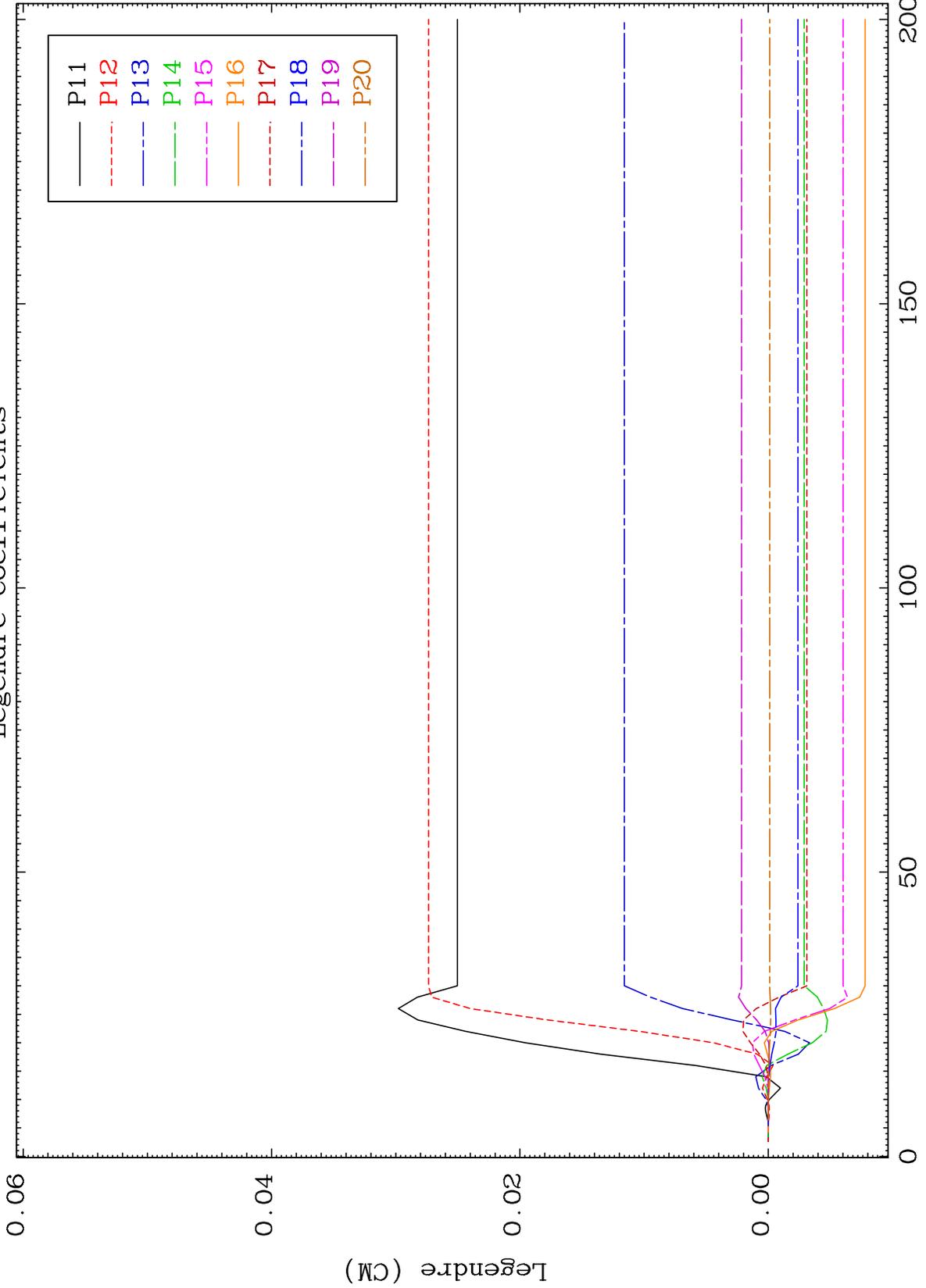
83-Bi-201



71

83-Bi-201

MAT 8301 MT= 64 (n,n') Level Legendre Coefficients 83-Bi-201



83-Bi-201

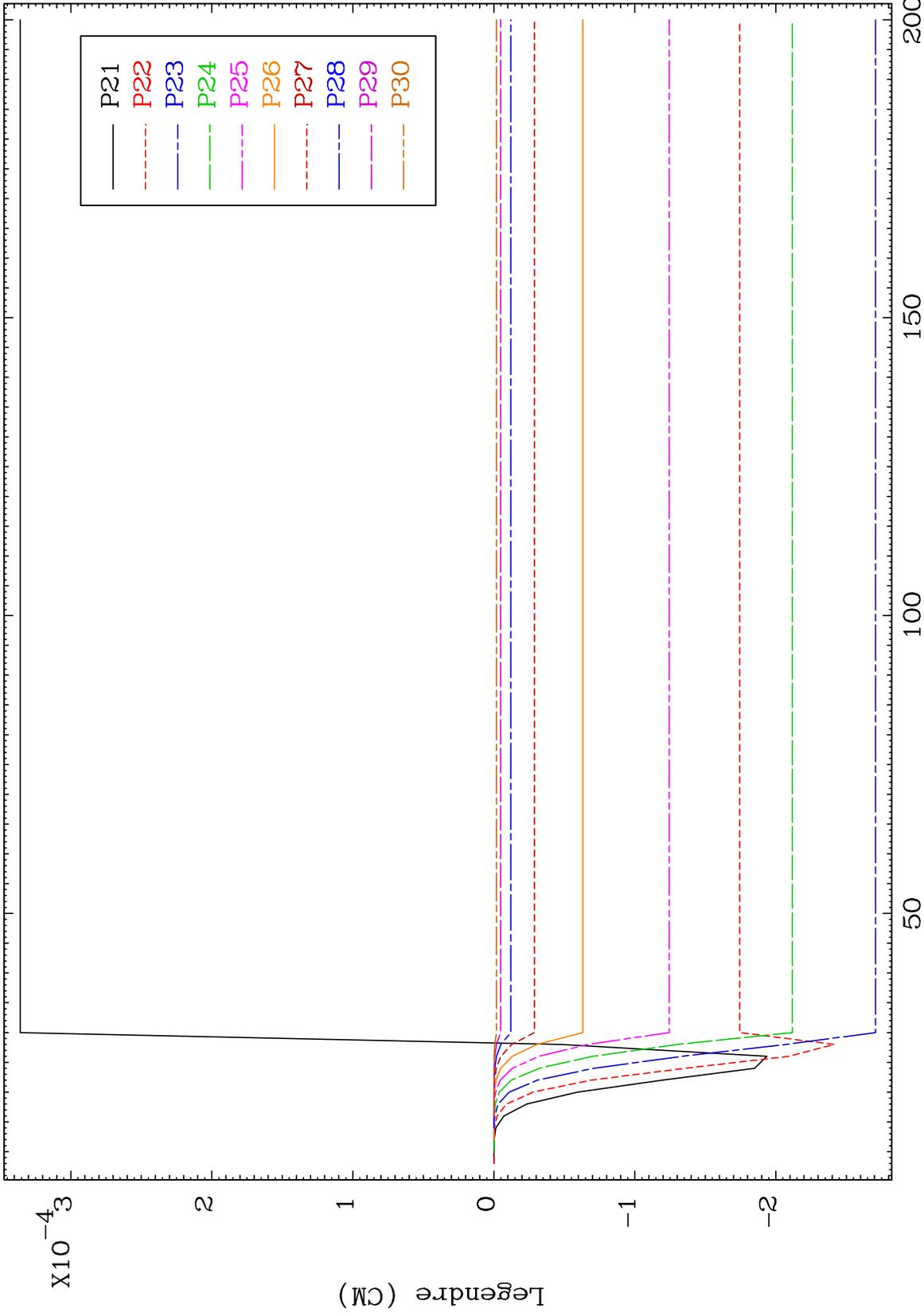
Incident Energy (MeV)

72

MAT 8301

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

83-Bi-201



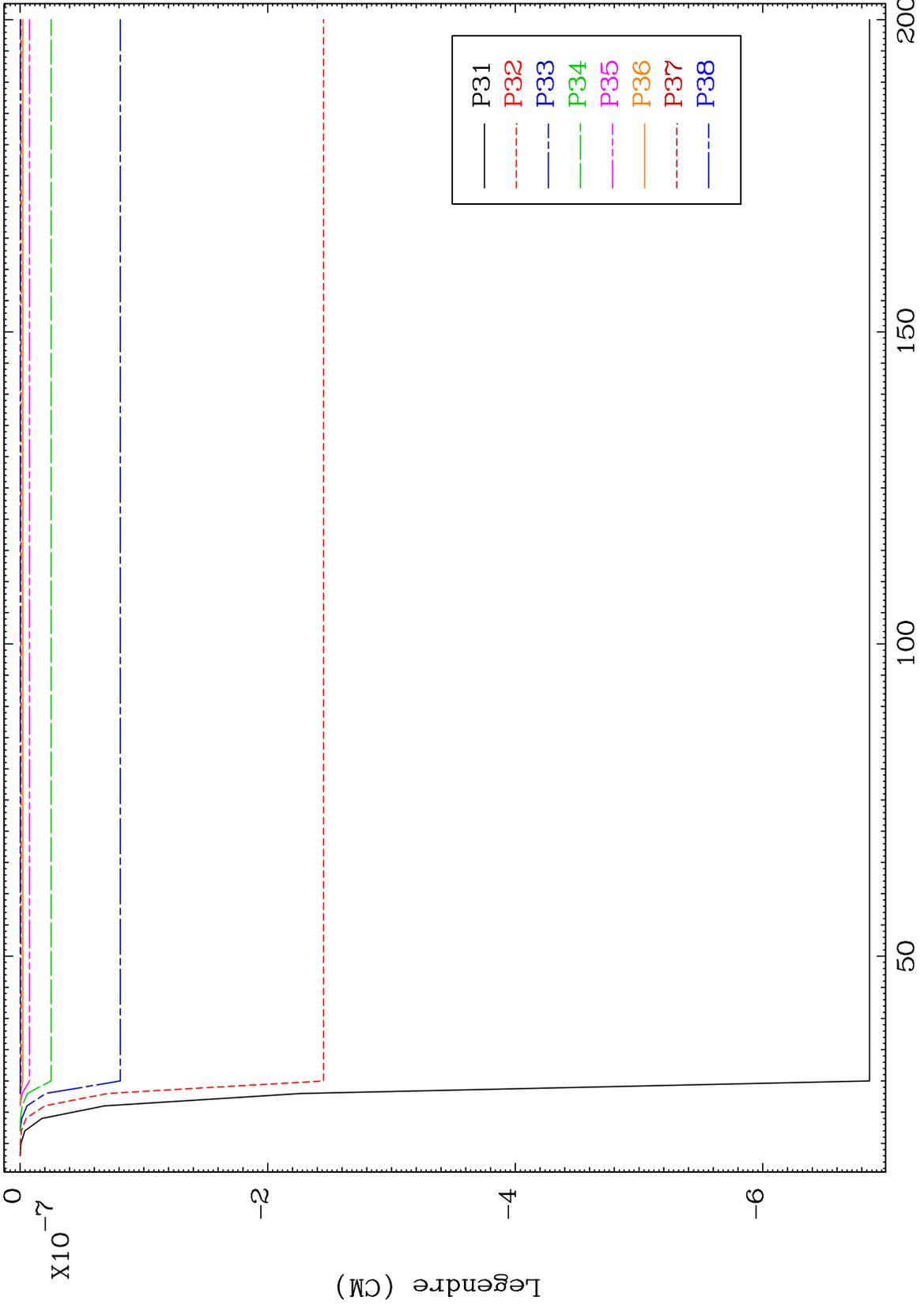
73

Incident Energy (MeV)

83-Bi-201

MAT 8301 MT= 64 (n,n') Level 83-Bi-201

Legendre Coefficients

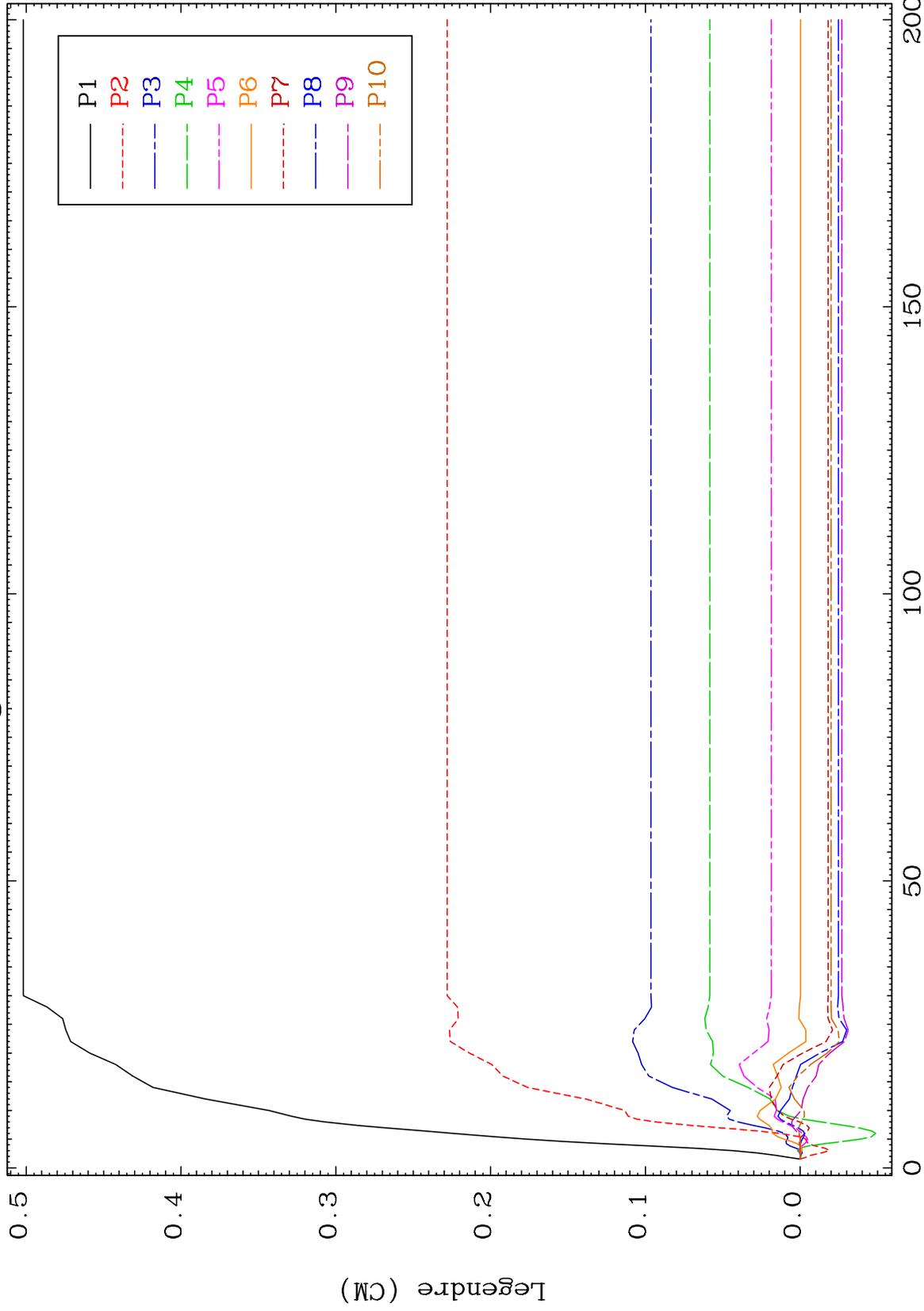


74 83-Bi-201

MAT 8301

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

83-Bi-201



75

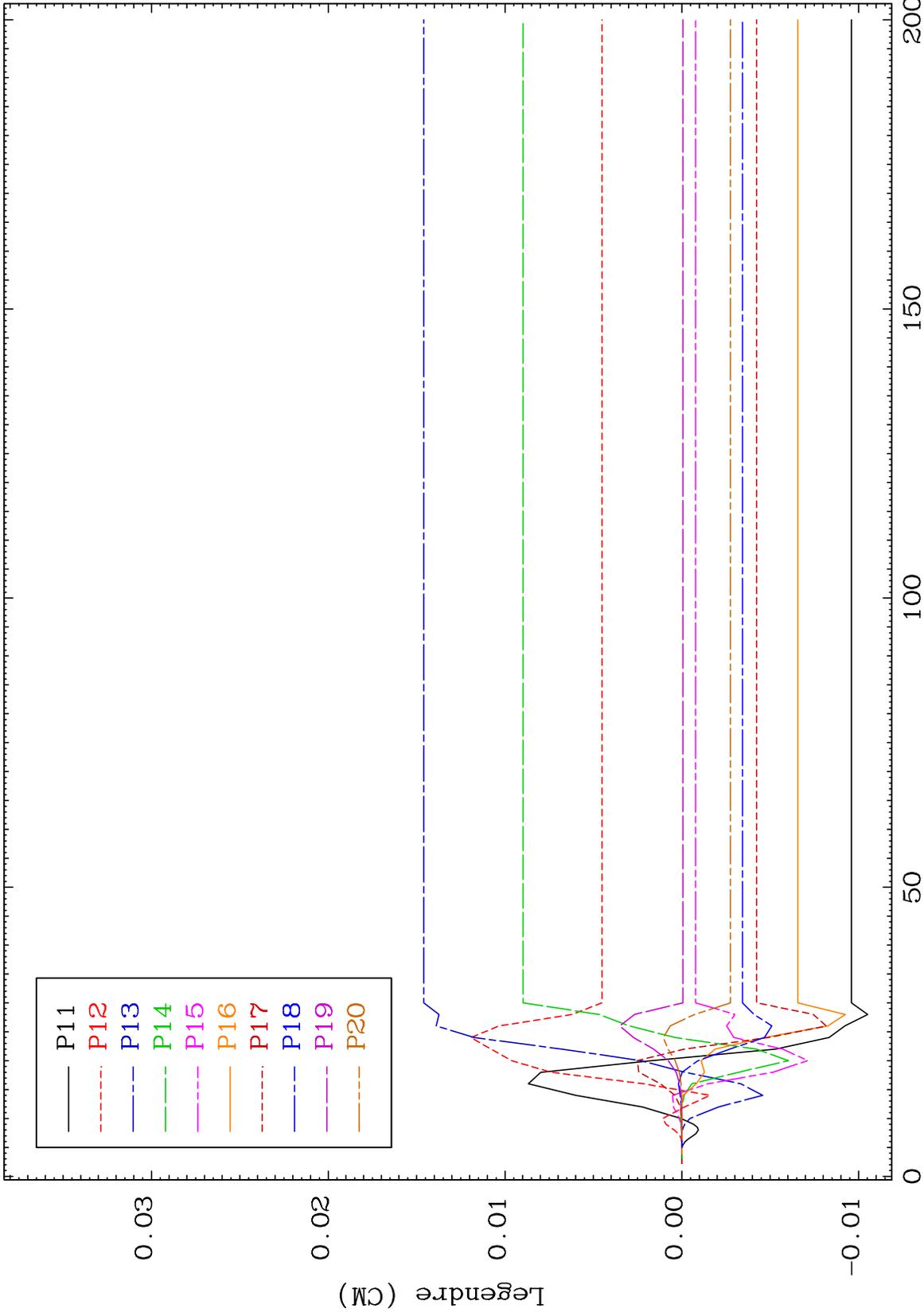
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201

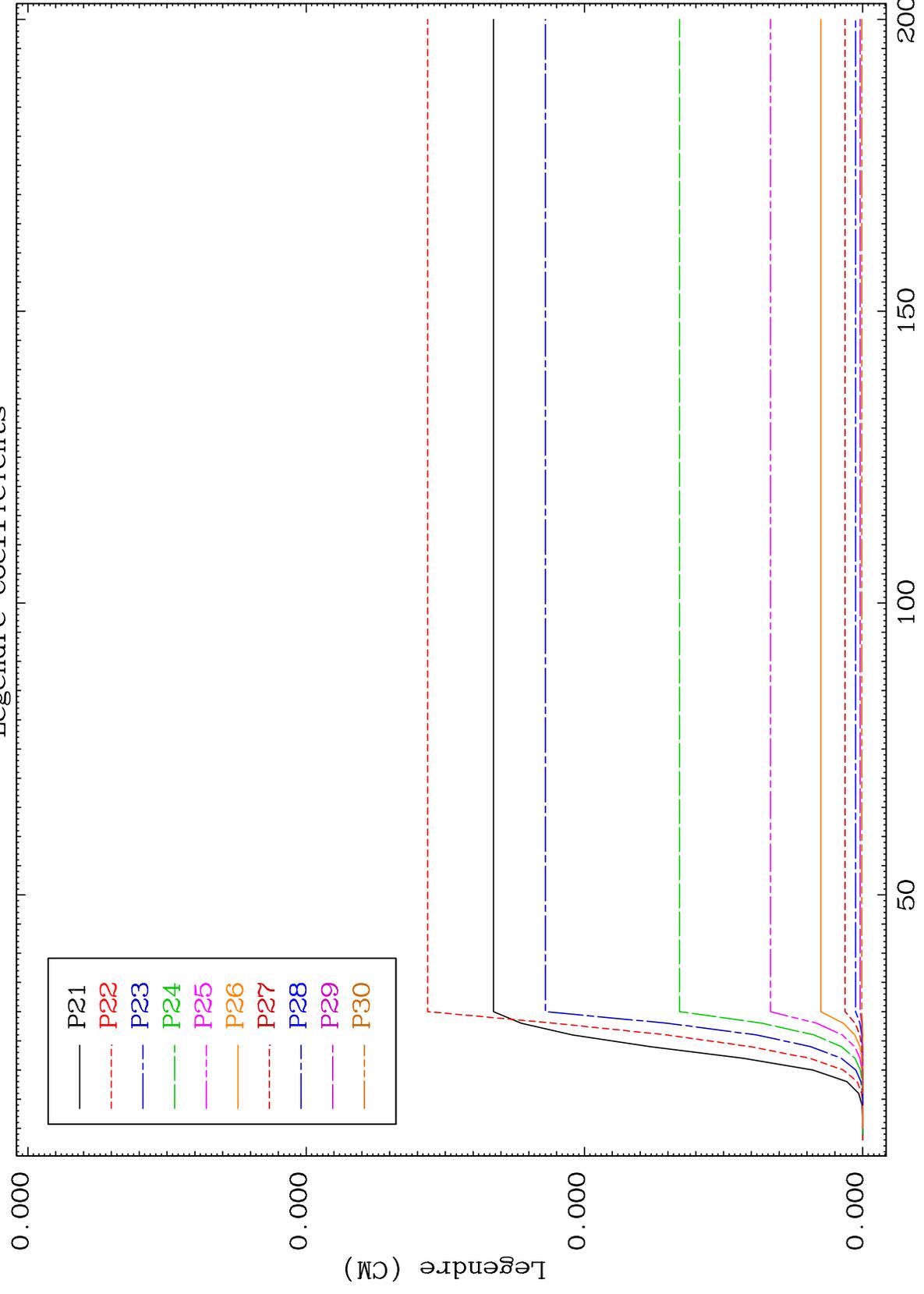


76

Incident Energy (MeV)

83-Bi-201

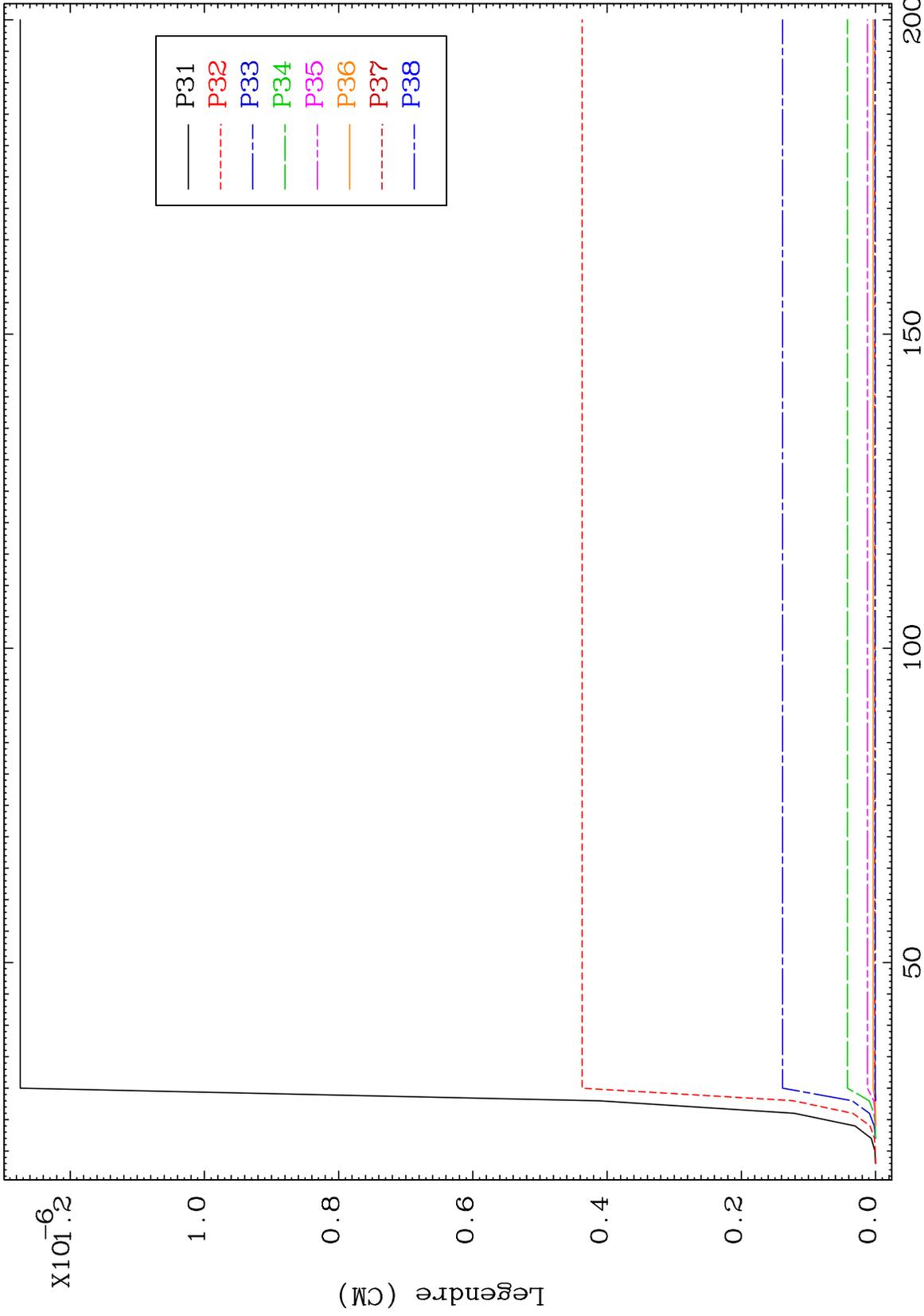
MAT 8301 MT= 65 (n,n') Level Legendre Coefficients 83-Bi-201



MAT 8301

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

83-Bi-201



78

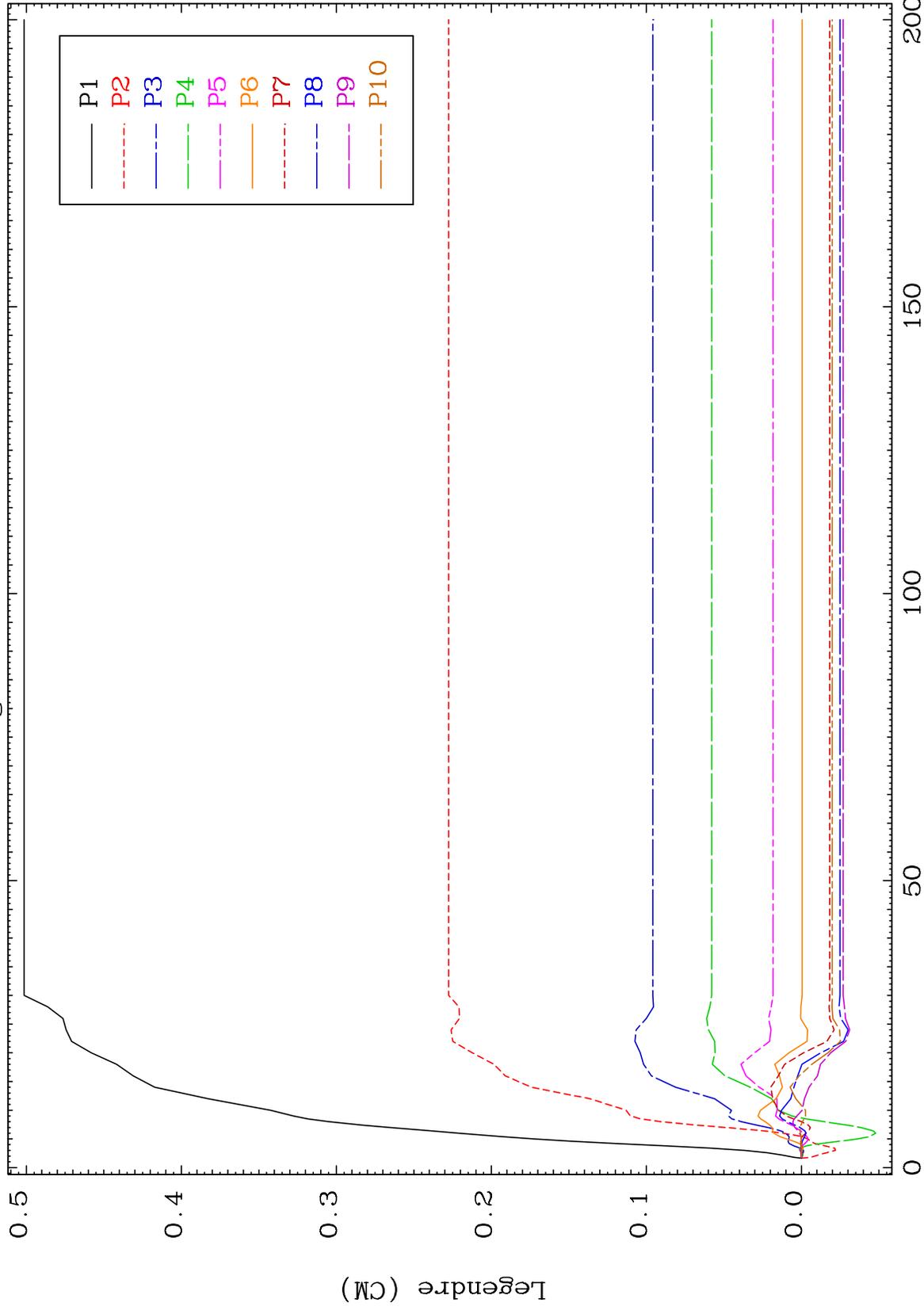
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201



79

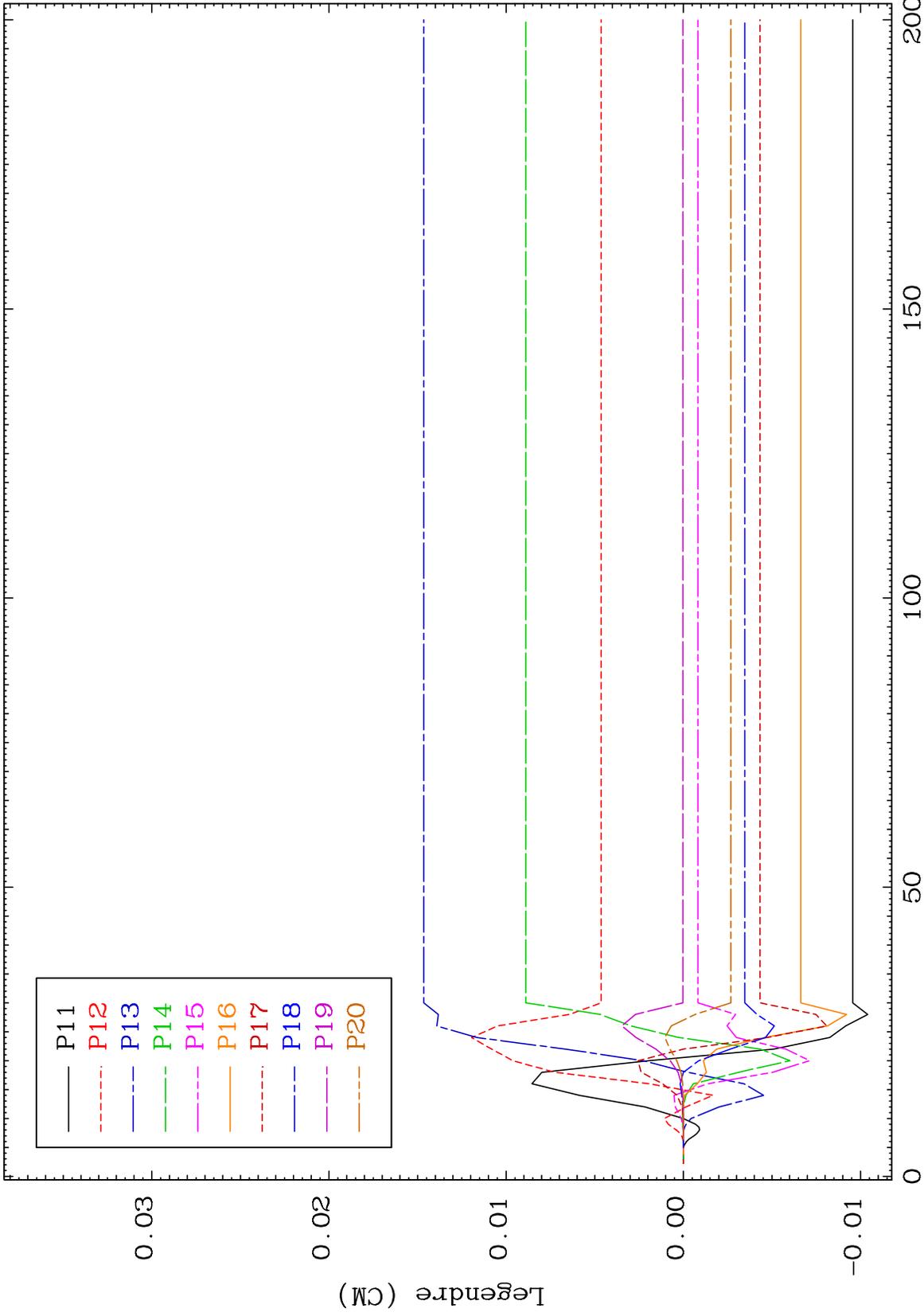
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201

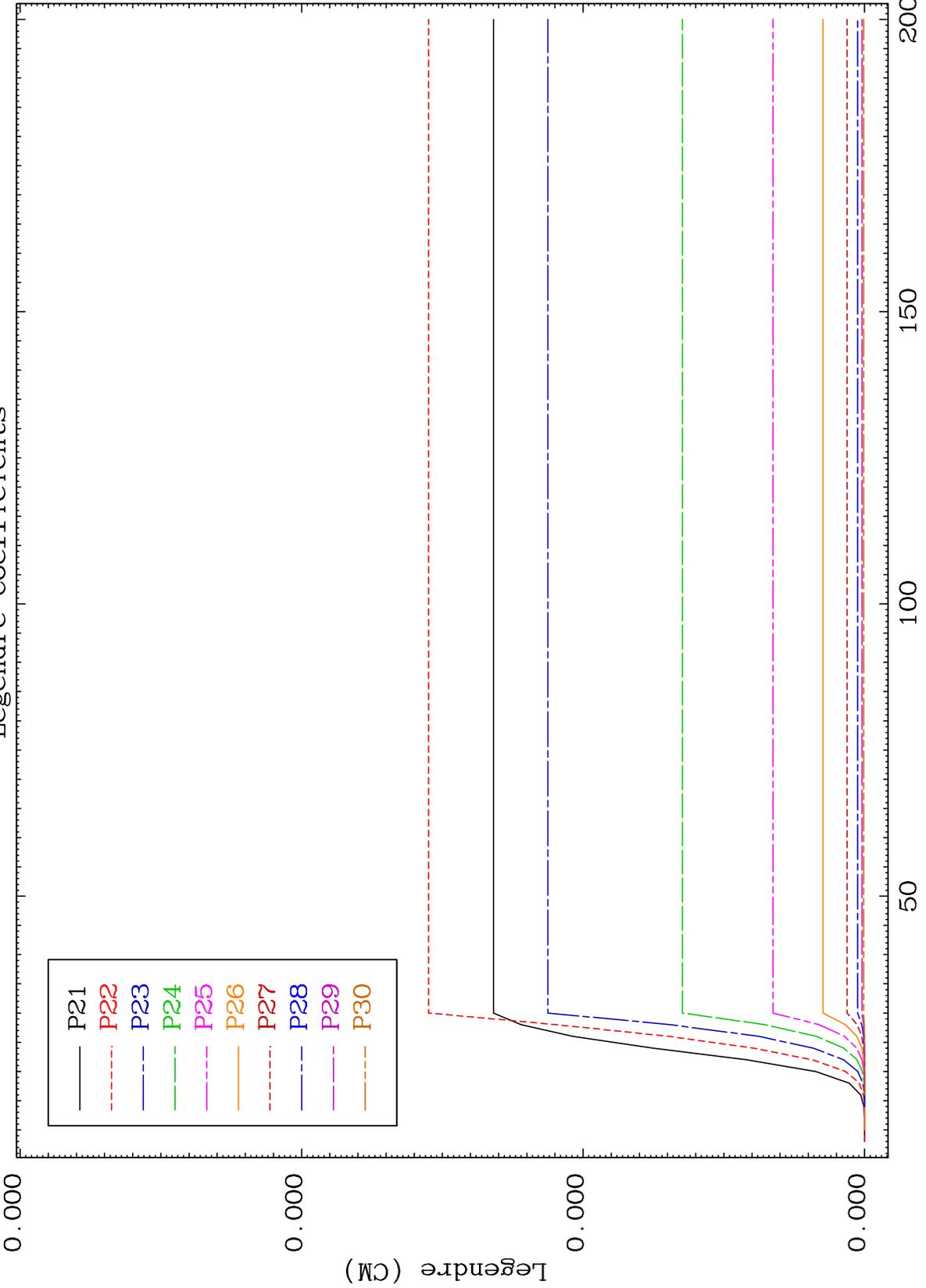


80

Incident Energy (MeV)

83-Bi-201

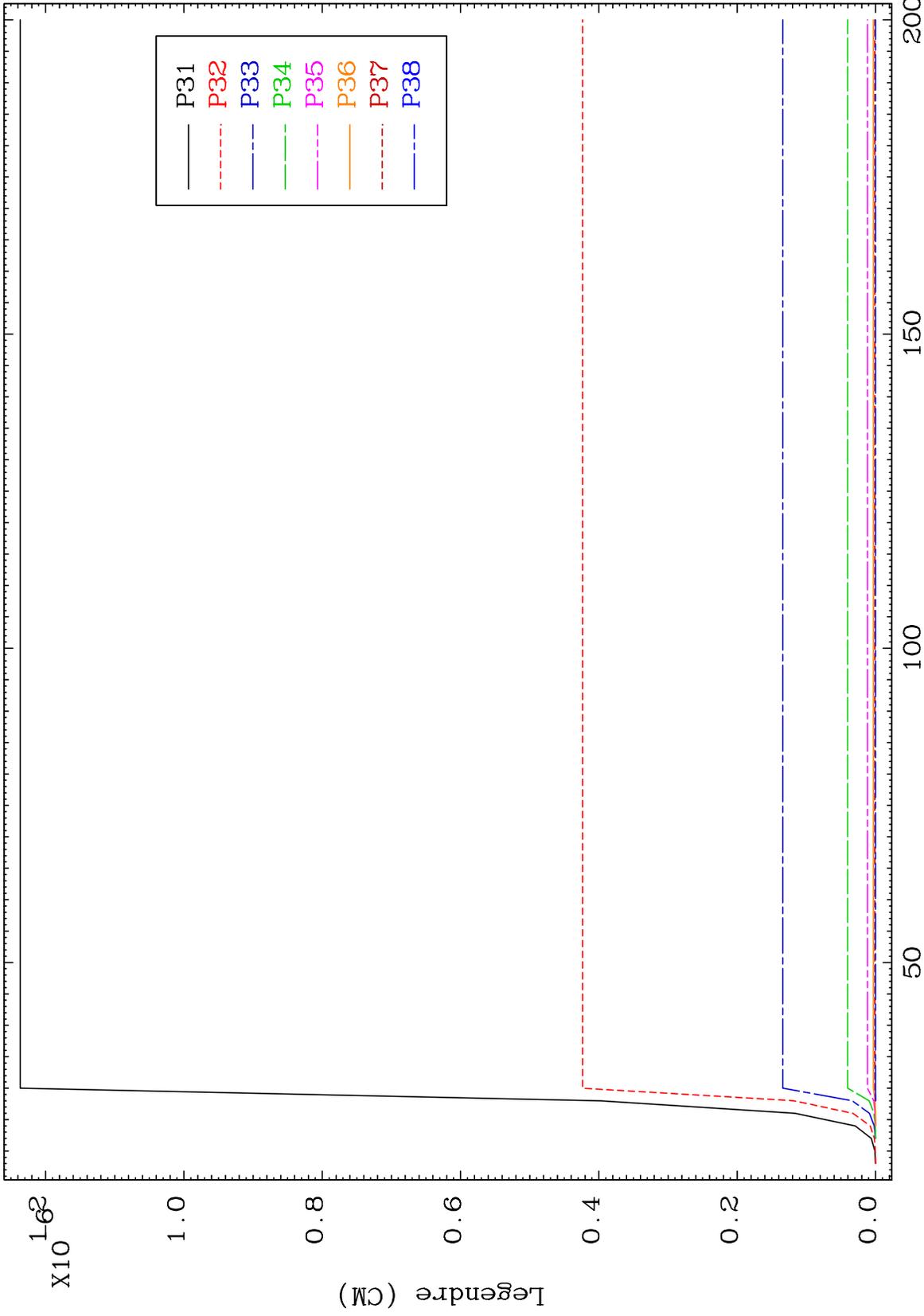
MAT 8301 MT= 66 (n,n') Level Legendre Coefficients 83-Bi-201



MAT 8301

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

83-Bi-201



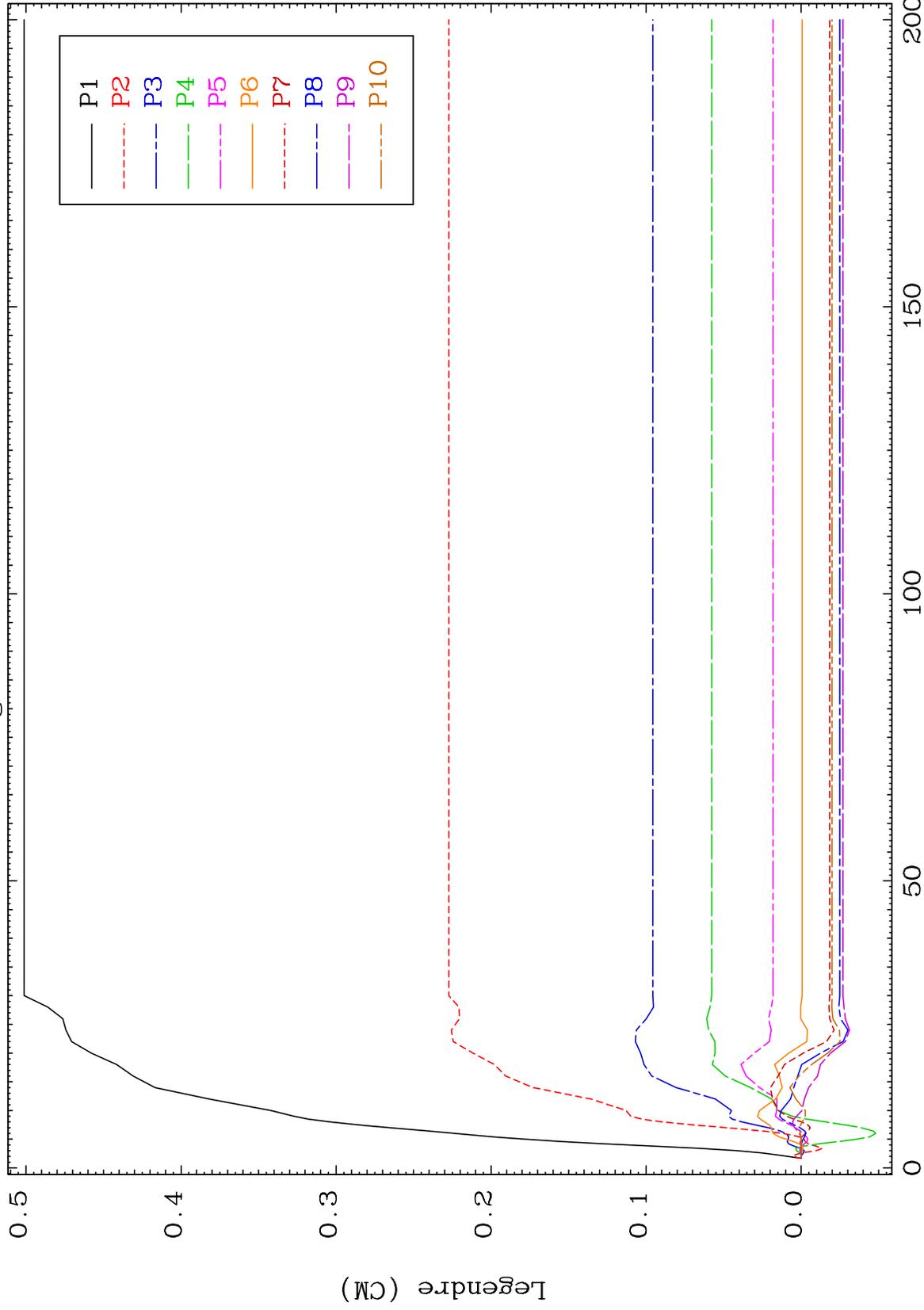
82

83-Bi-201

MAT 8301

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

83-Bi-201



83

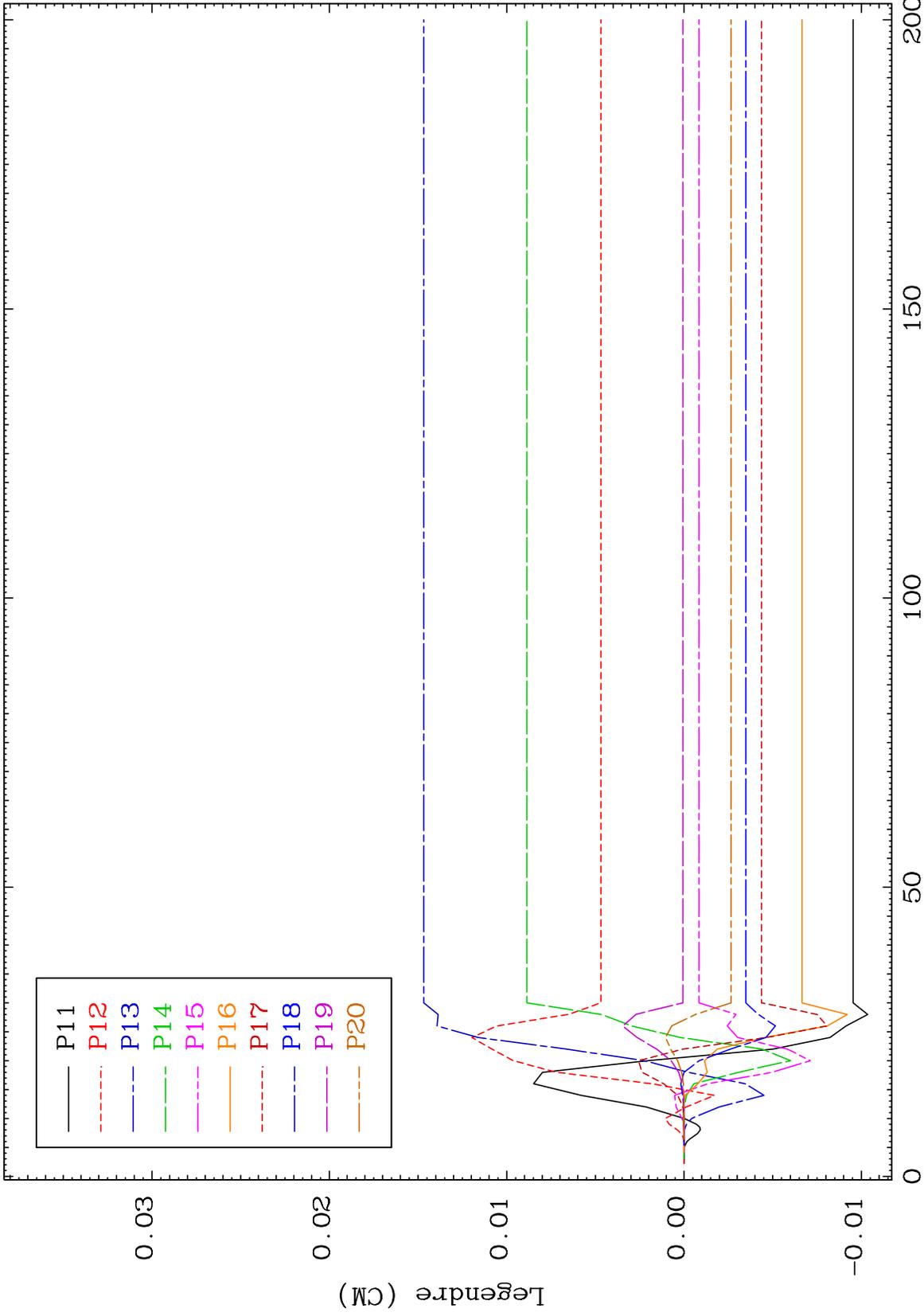
Incident Energy (MeV)

83-Bi-201

MAT 8301

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

83-Bi-201

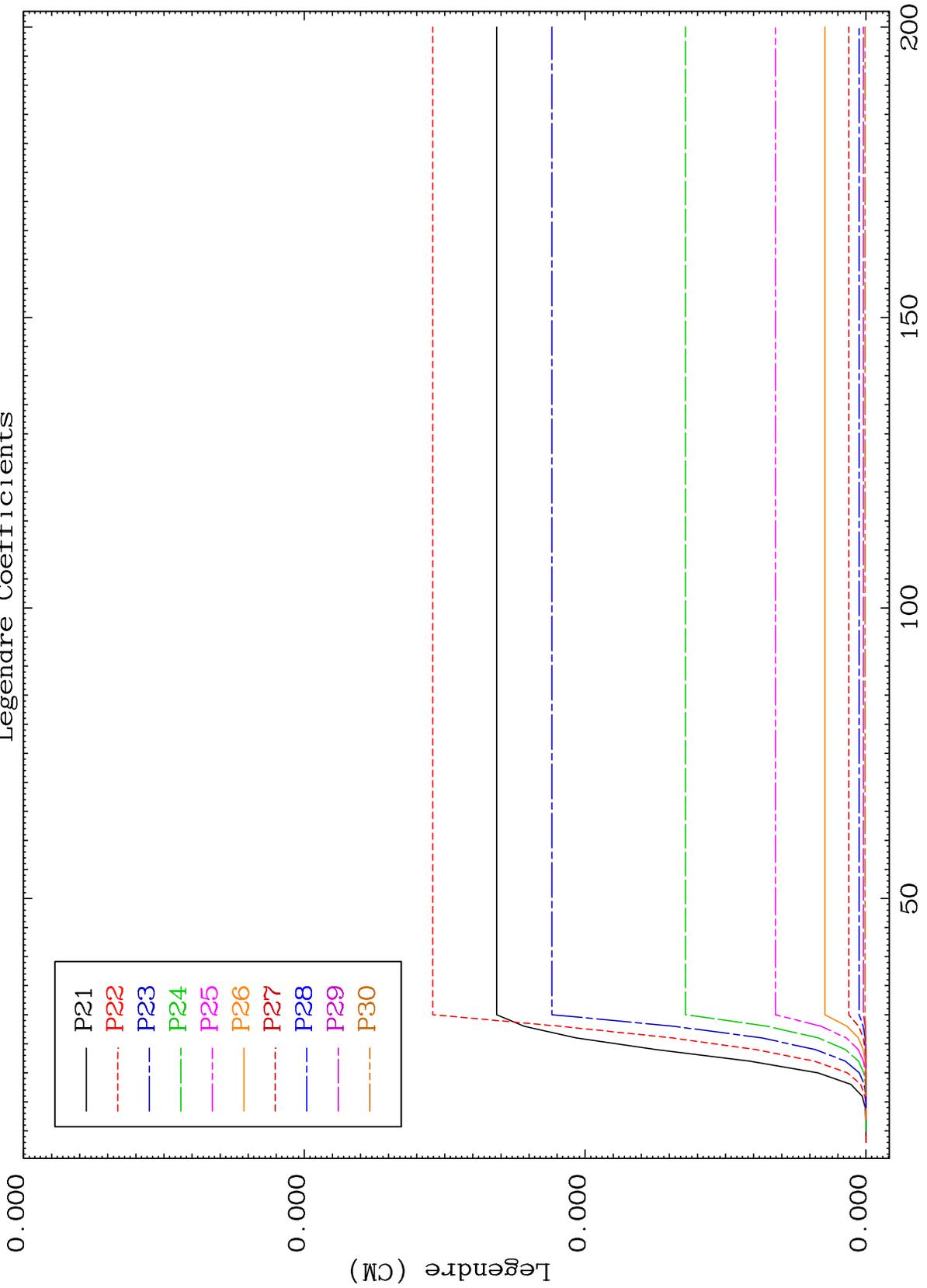


84

Incident Energy (MeV)

83-Bi-201

MAT 8301 MT= 67 (n,n') Level Legendre Coefficients 83-Bi-201

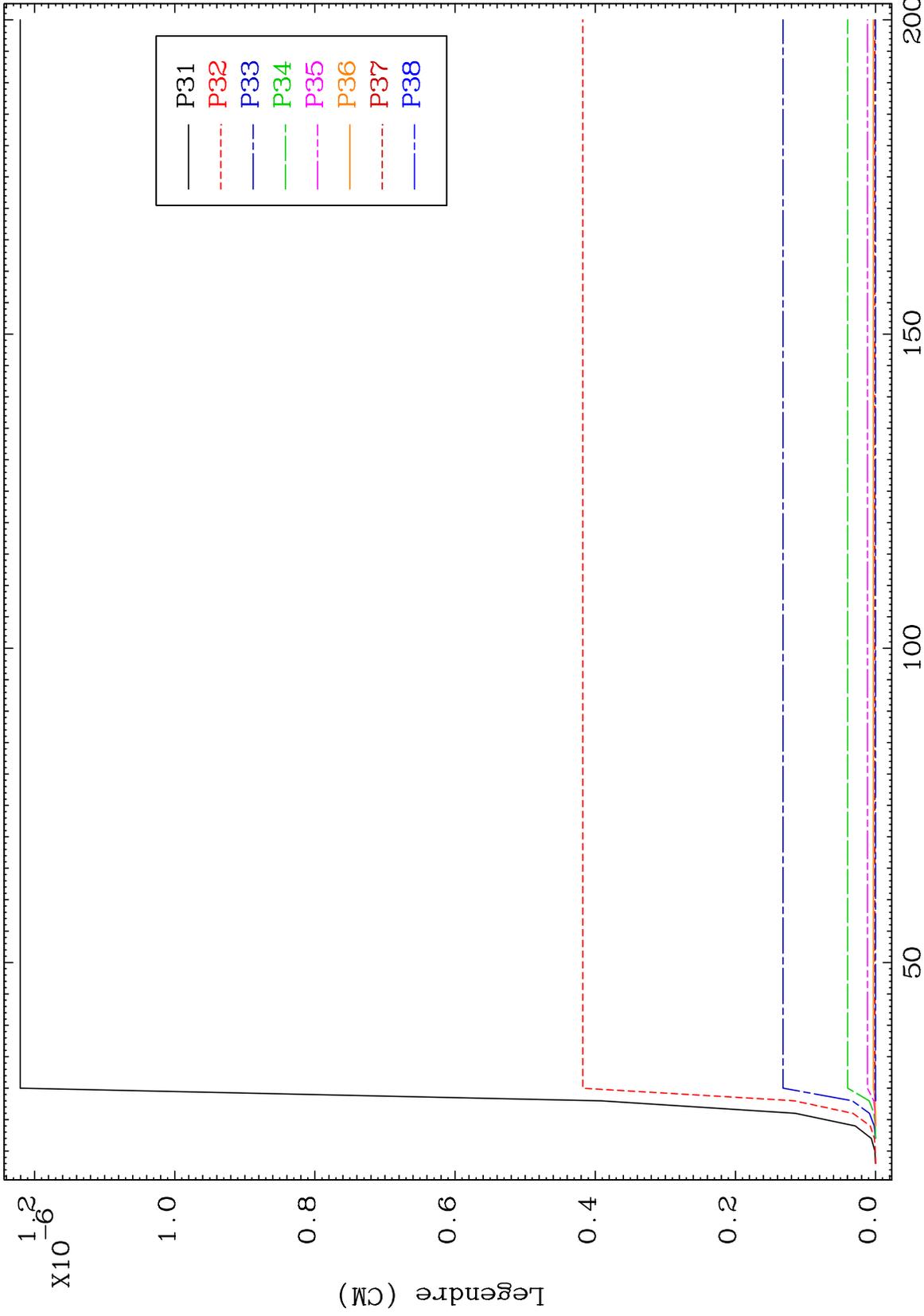


85 83-Bi-201

MAT 8301

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

83-Bi-201



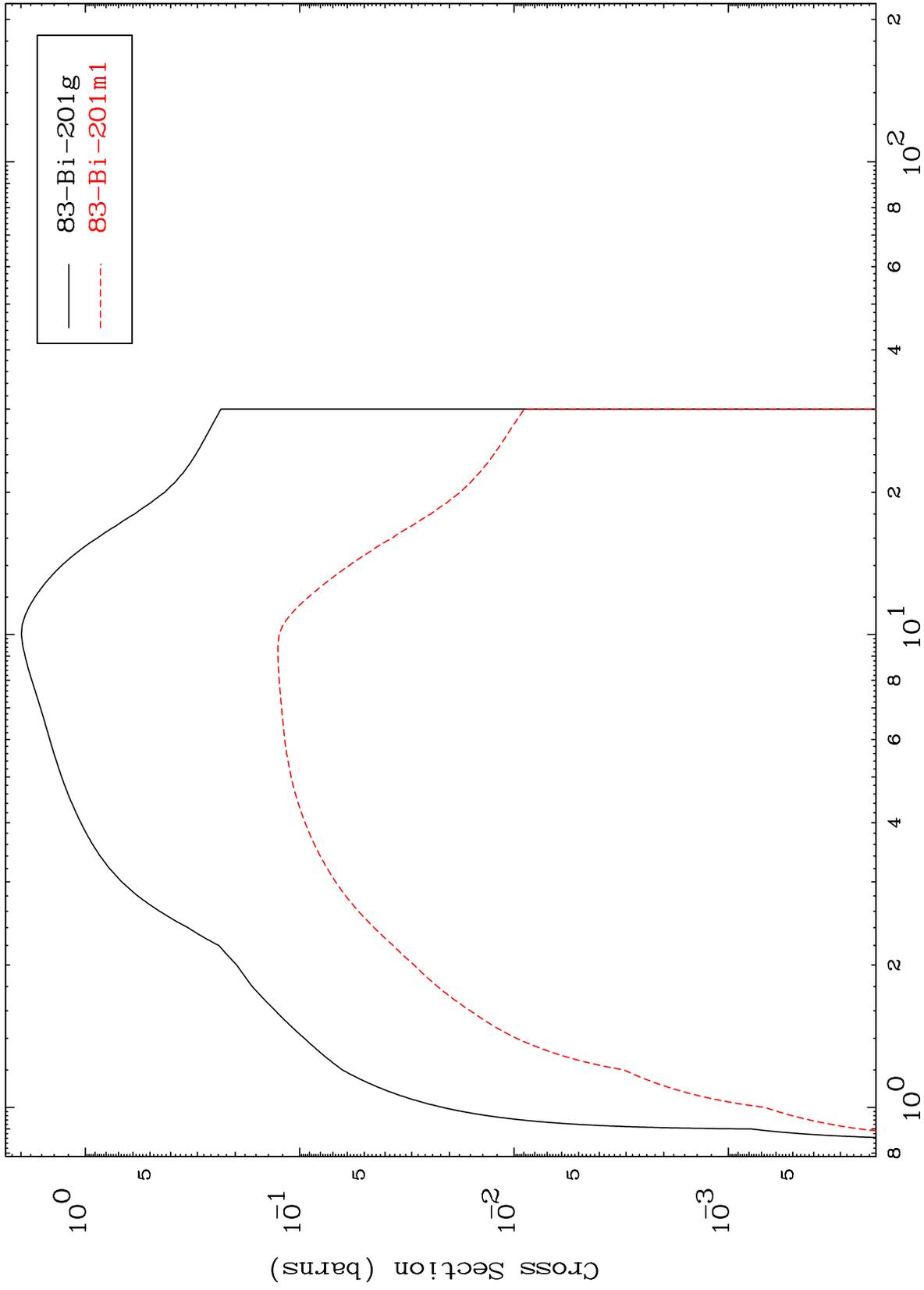
86

83-Bi-201

MAT 8301

83-Bi-201

Inelastic
Radionuclide Production Cross Section



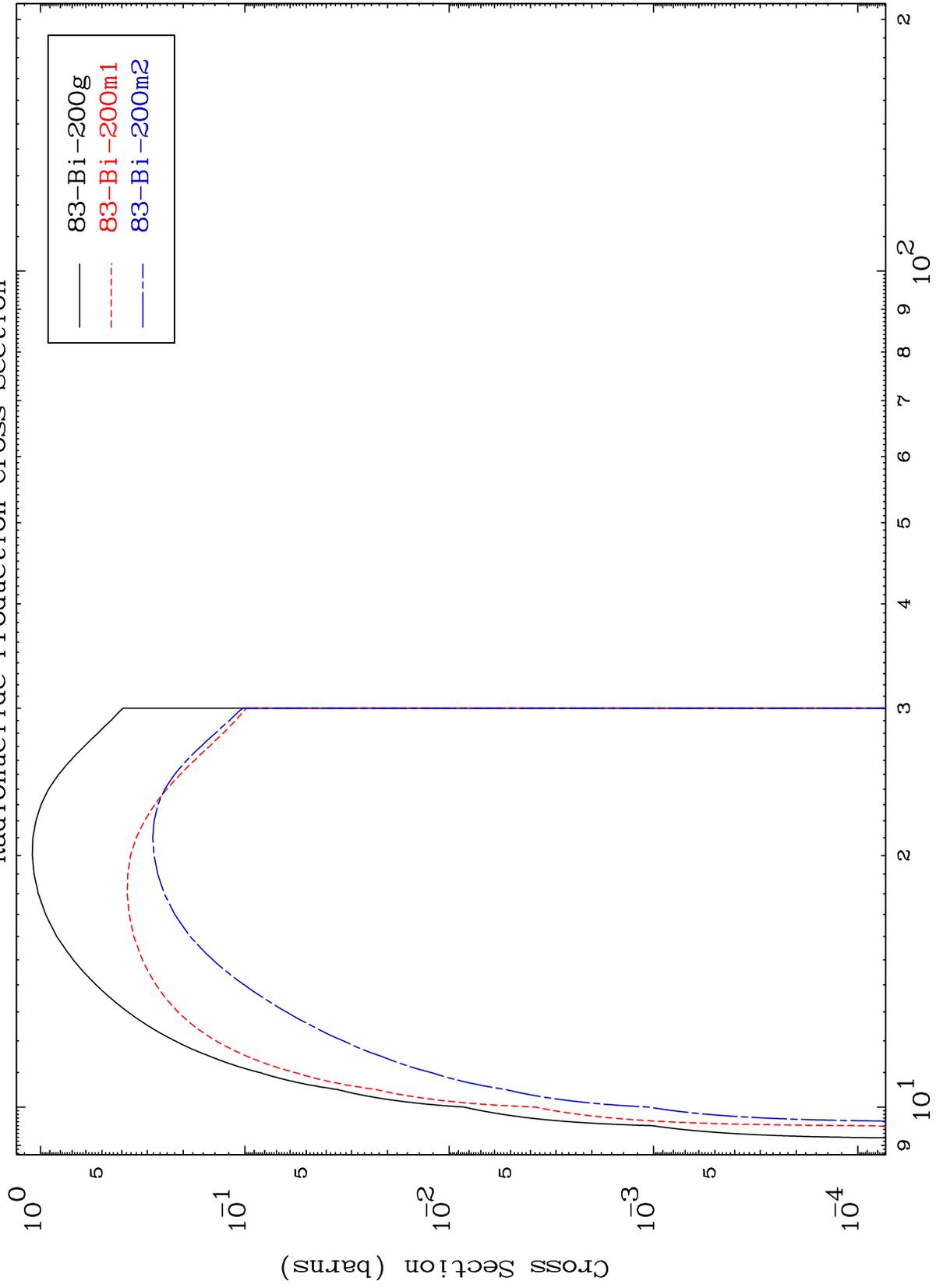
87

83-Bi-201

MAT 8301

83-Bi-201

Radionuclide Production Cross Section
(n,2n)



88

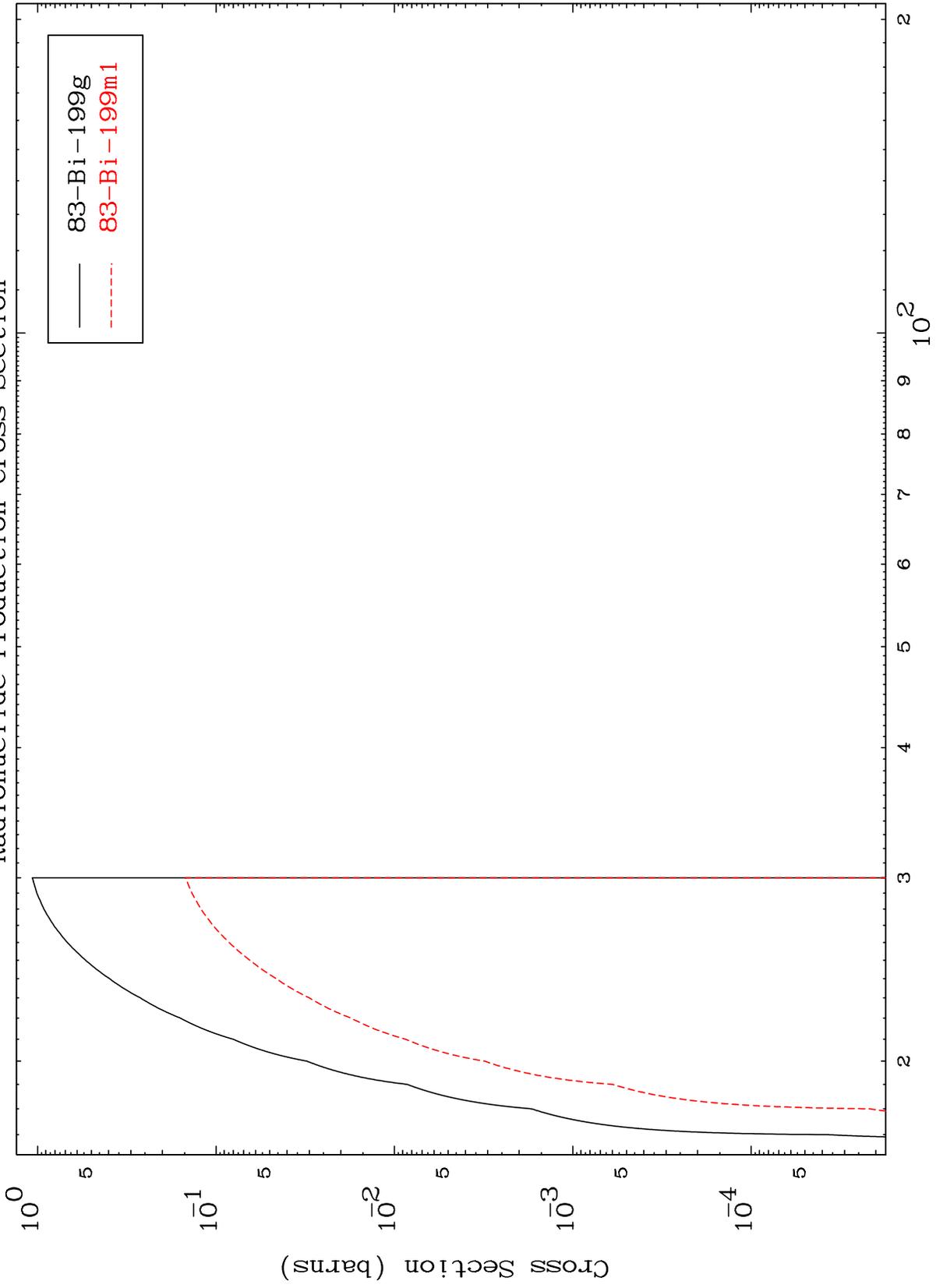
Incident Energy (MeV)

83-Bi-201

MAT 8301

83-Bi-201

(n,3n)
Radionuclide Production Cross Section



89

Incident Energy (MeV)

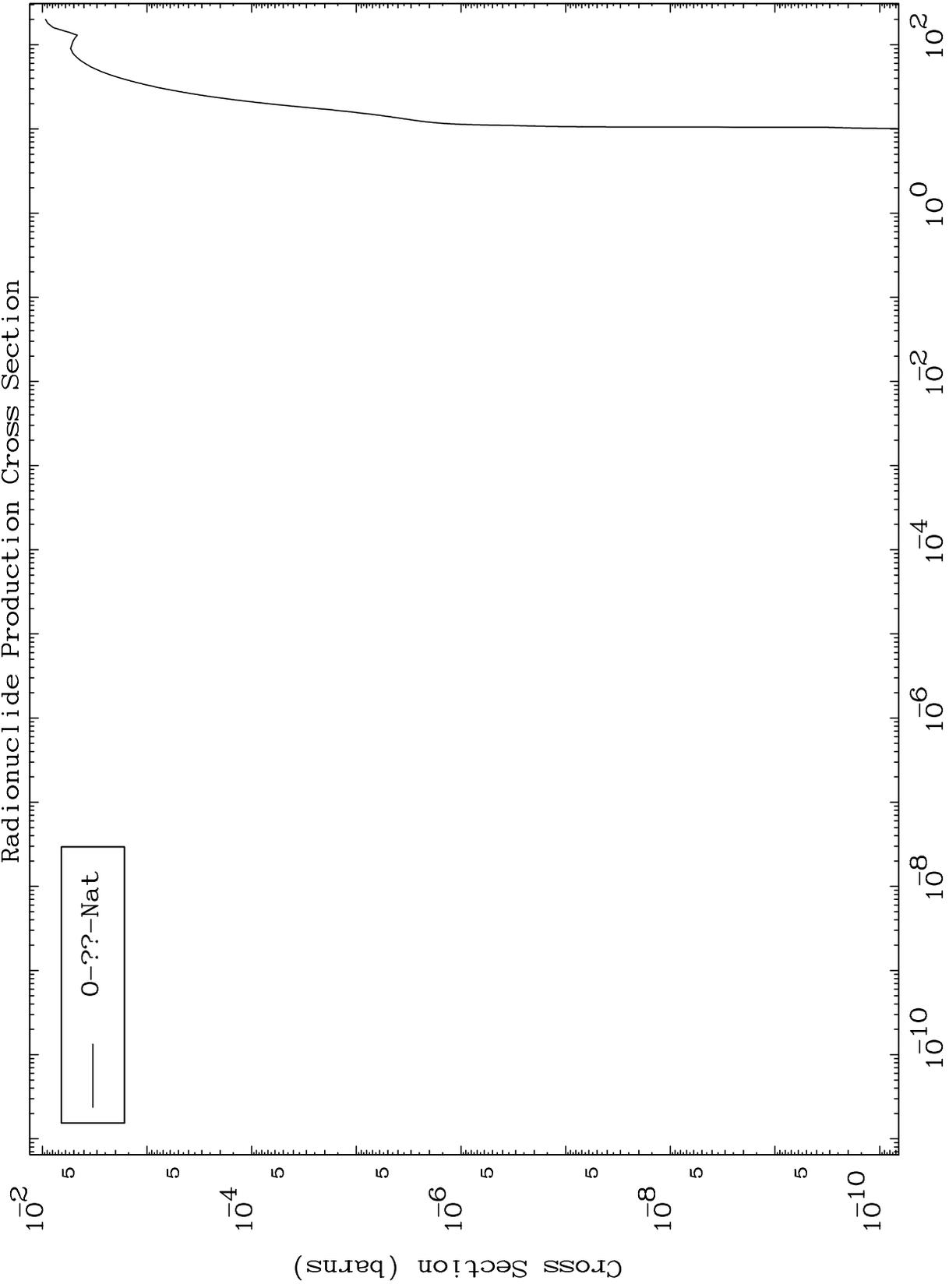
83-Bi-201

MAT 8301

Fission

83-Bi-201

Radionuclide Production Cross Section



90

Incident Energy (MeV)

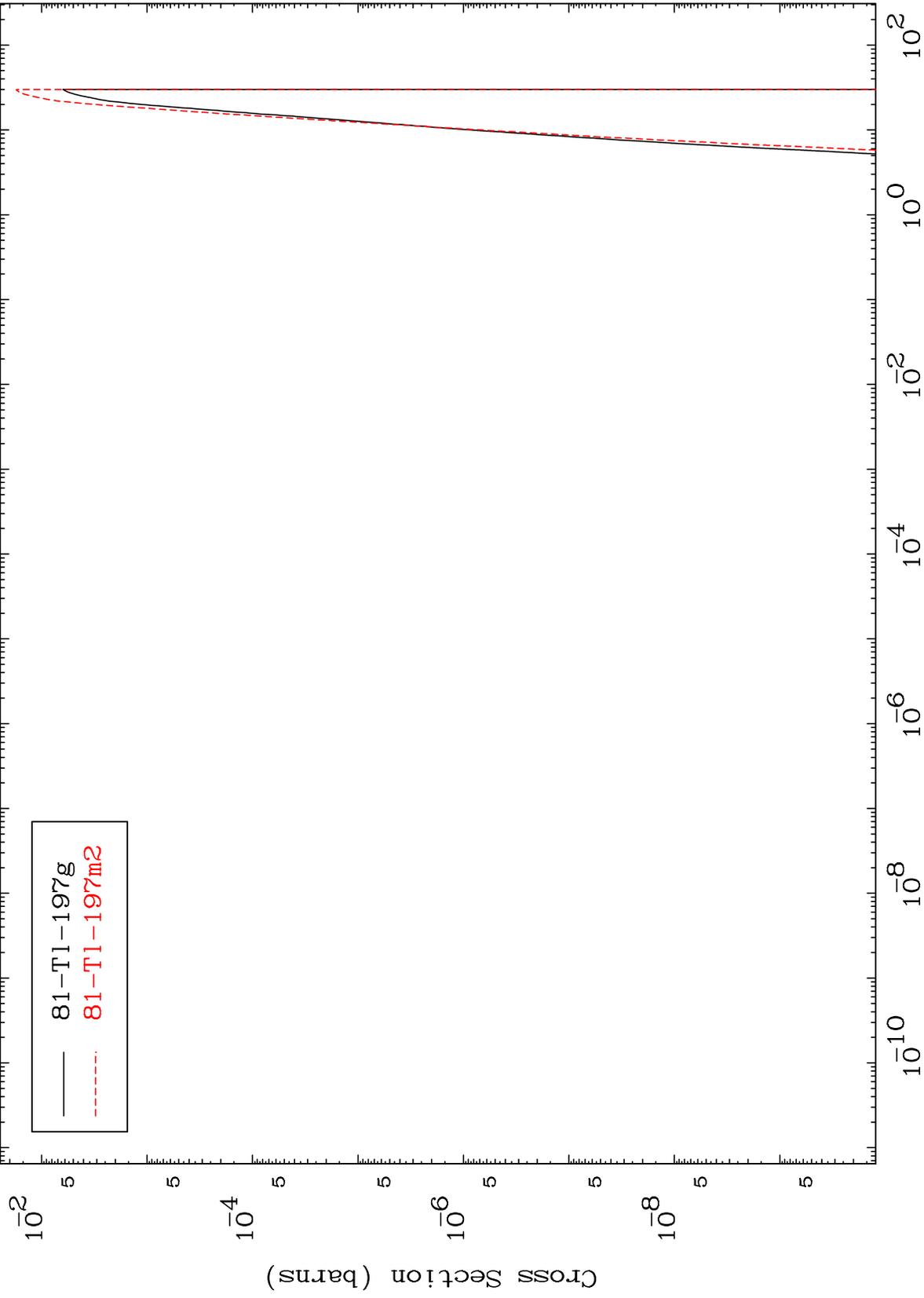
83-Bi-201

MAT 8301

(n,n') α

83-Bi-201

Radionuclide Production Cross Section



91

Incident Energy (MeV)

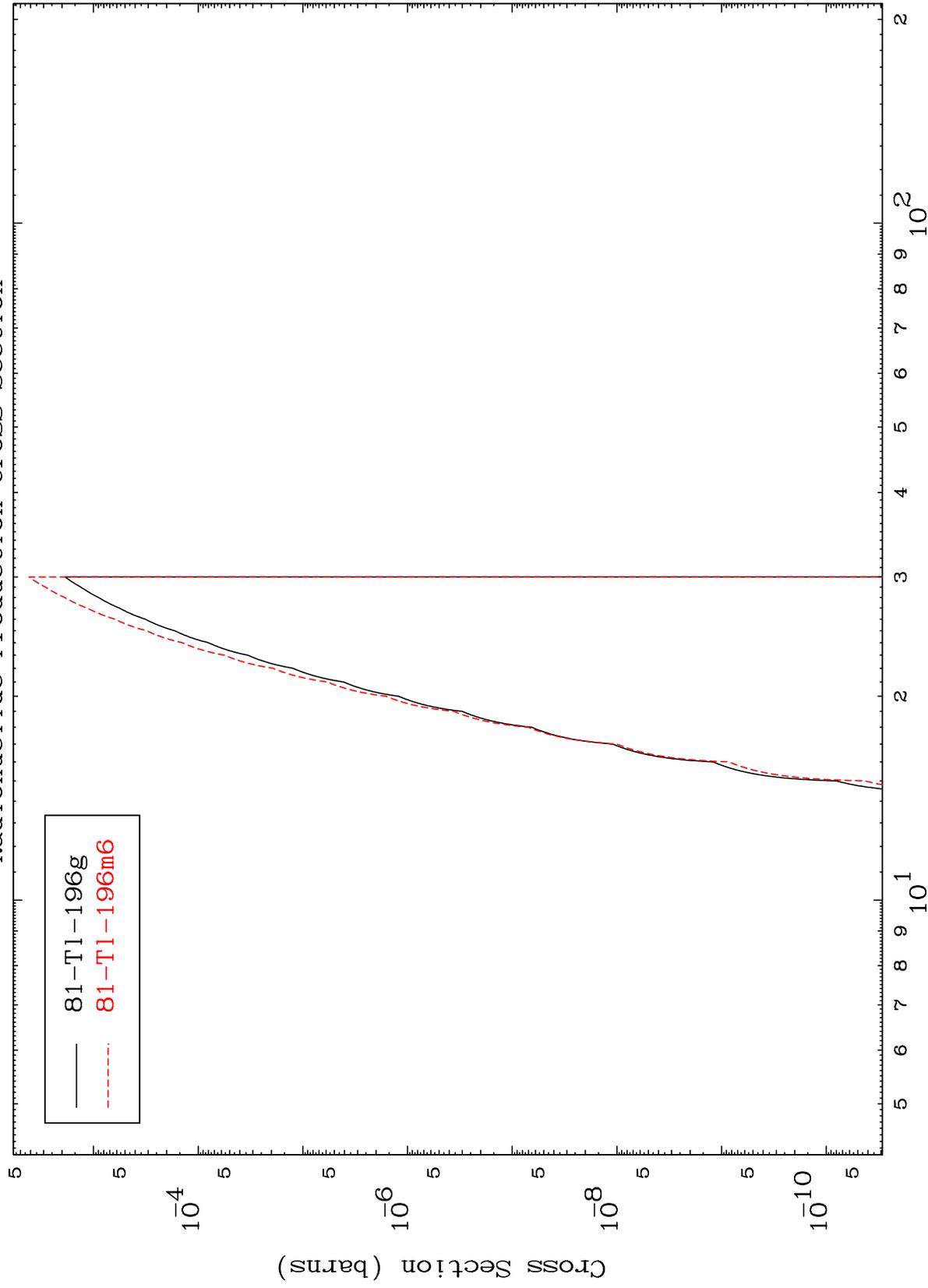
83-Bi-201

MAT 8301

(n,2n) α

83-Bi-201

Radionuclide Production Cross Section



92

Incident Energy (MeV)

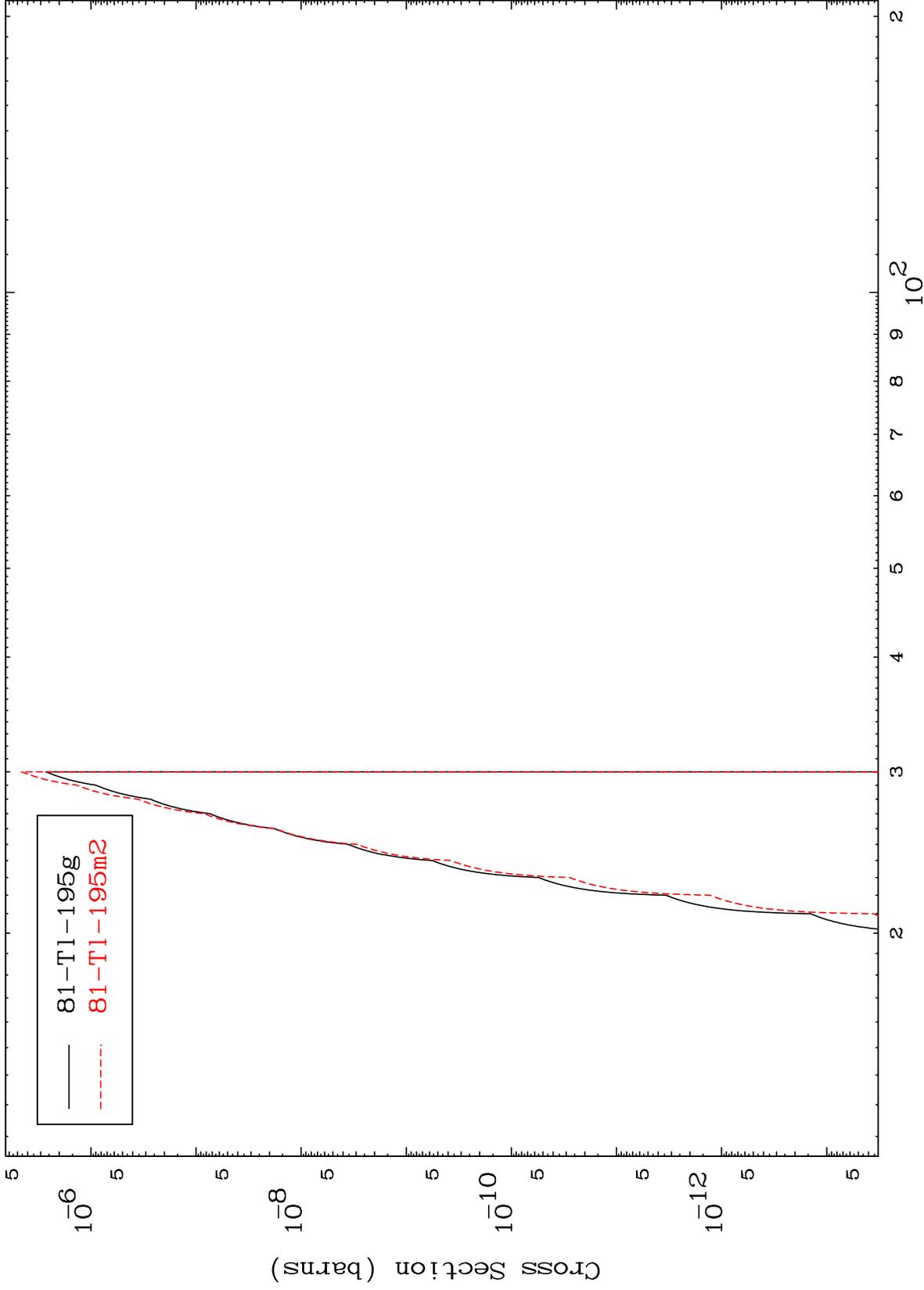
83-Bi-201

MAT 8301

(n,3n) α

83-Bi-201

Radionuclide Production Cross Section



93

Incident Energy (MeV)

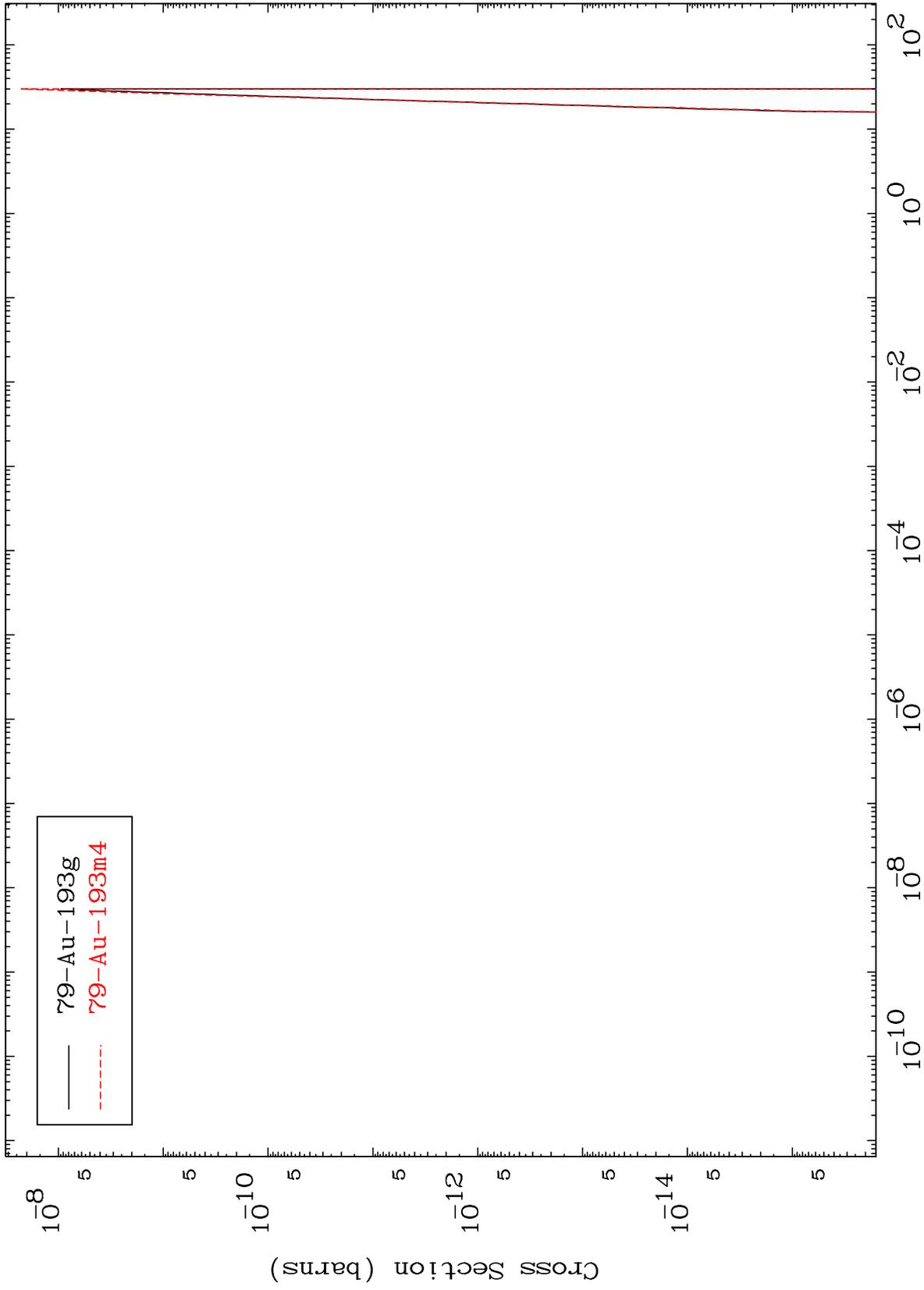
83-Bi-201

MAT 8301

(n,n') 2 α

83-Bi-201

Radionuclide Production Cross Section



94

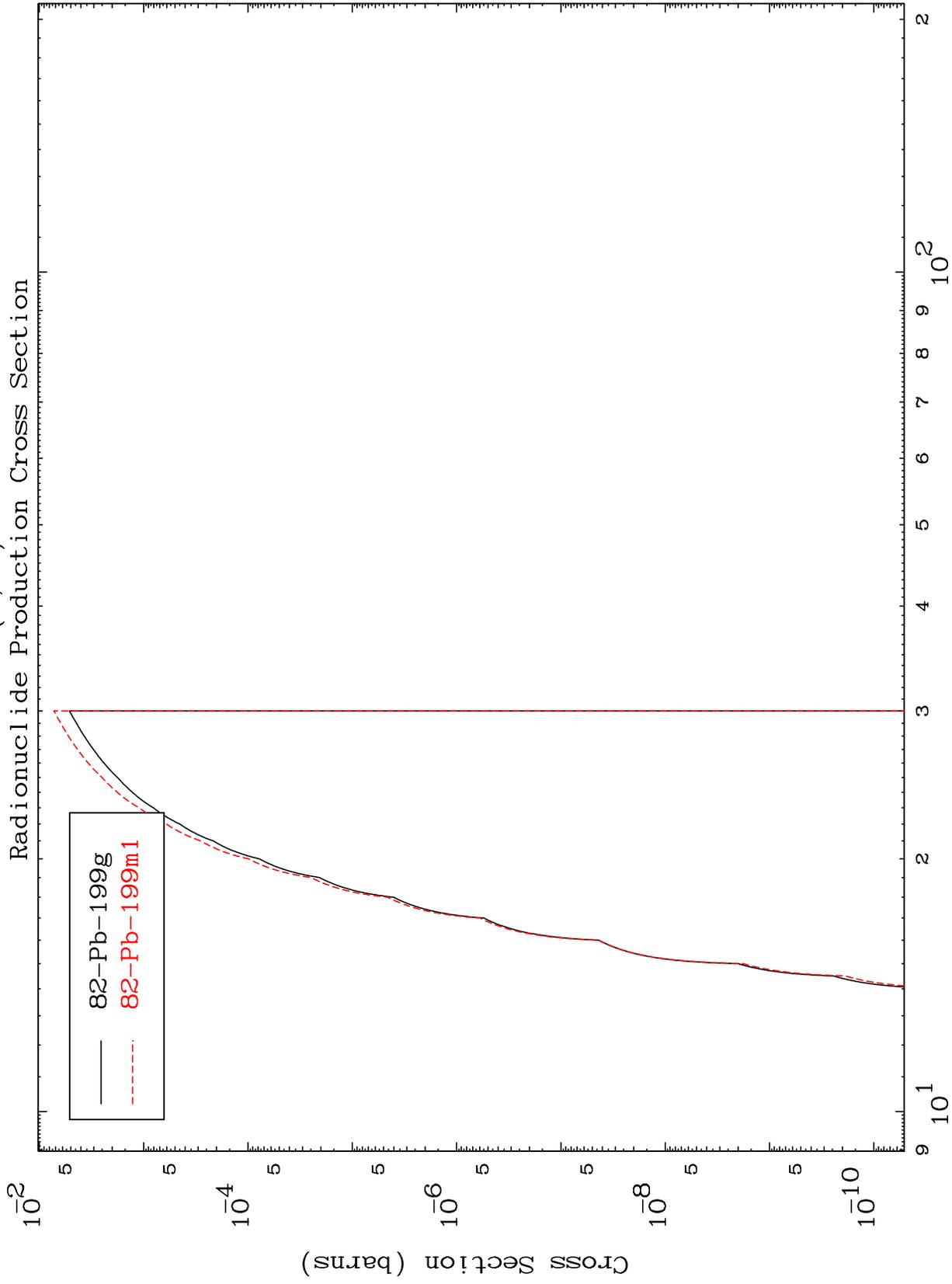
Incident Energy (MeV)

83-Bi-201

MAT 8301

(n,n') d

83-Bi-201

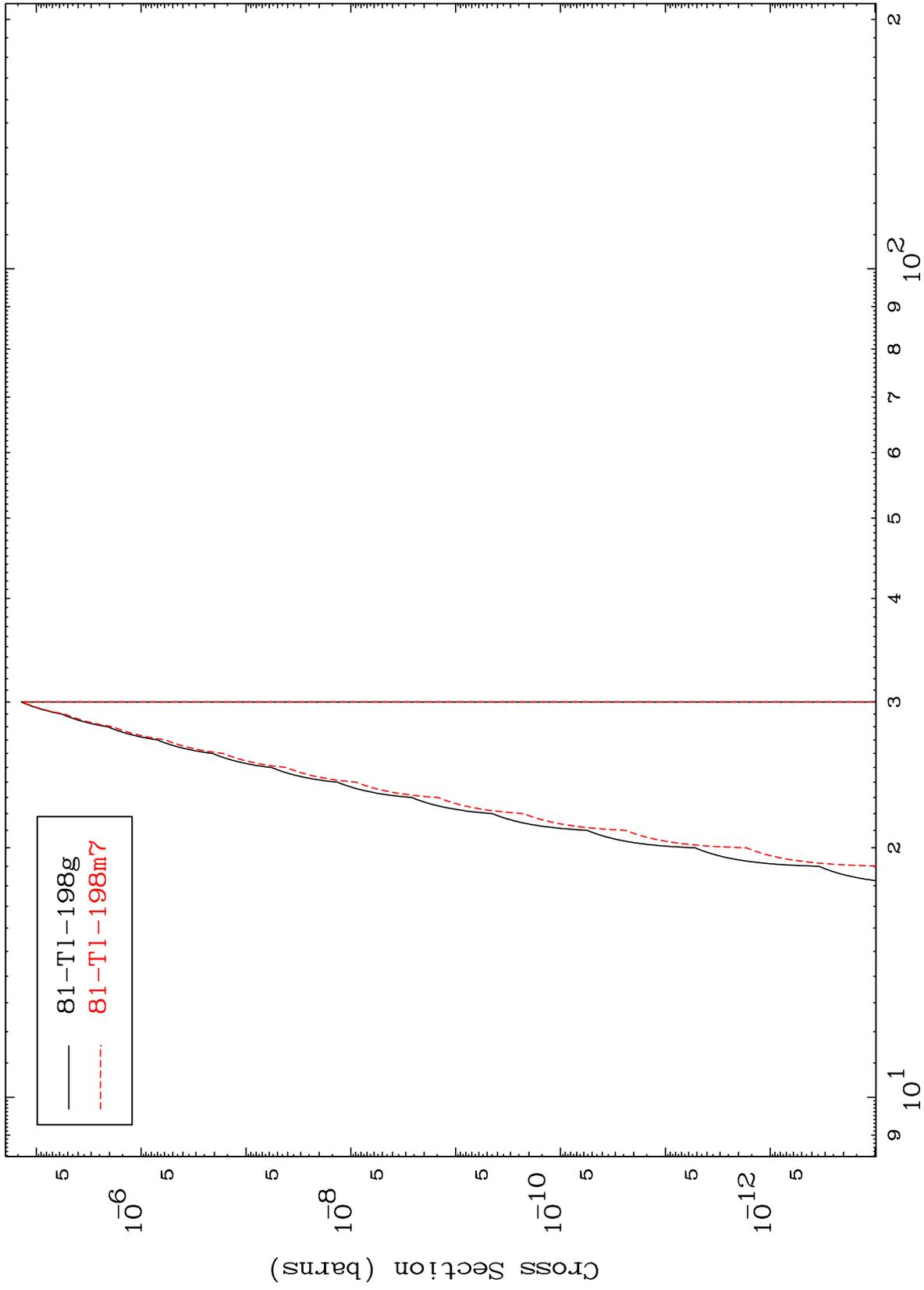


MAT 8301

(n, n') He-3

83-Bi-201

Radionuclide Production Cross Section



81-Tl-198g
81-Tl-198m7

96

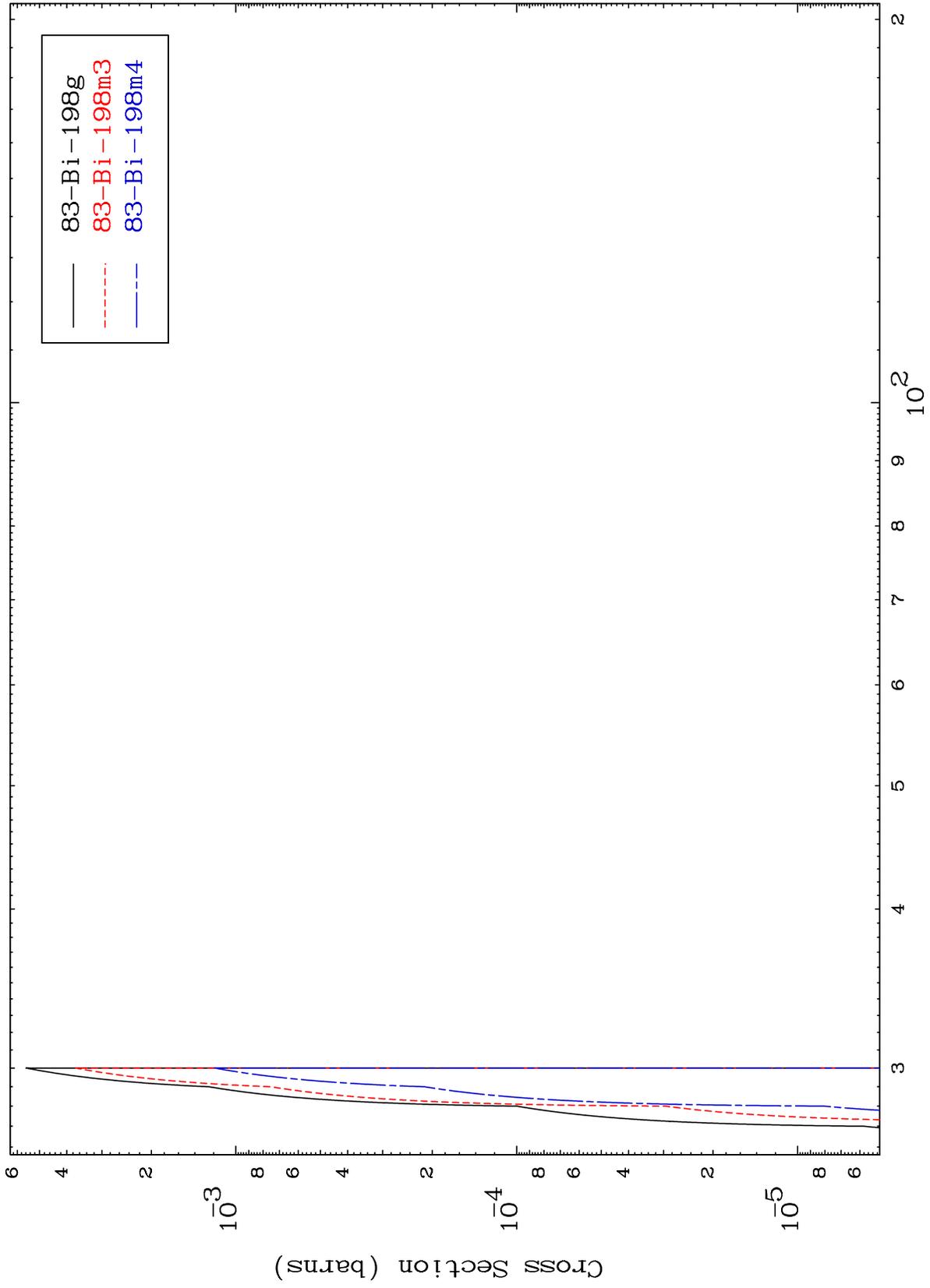
Incident Energy (MeV)

83-Bi-201

MAT 8301

83-Bi-201

(n,4n)
Radionuclide Production Cross Section



97

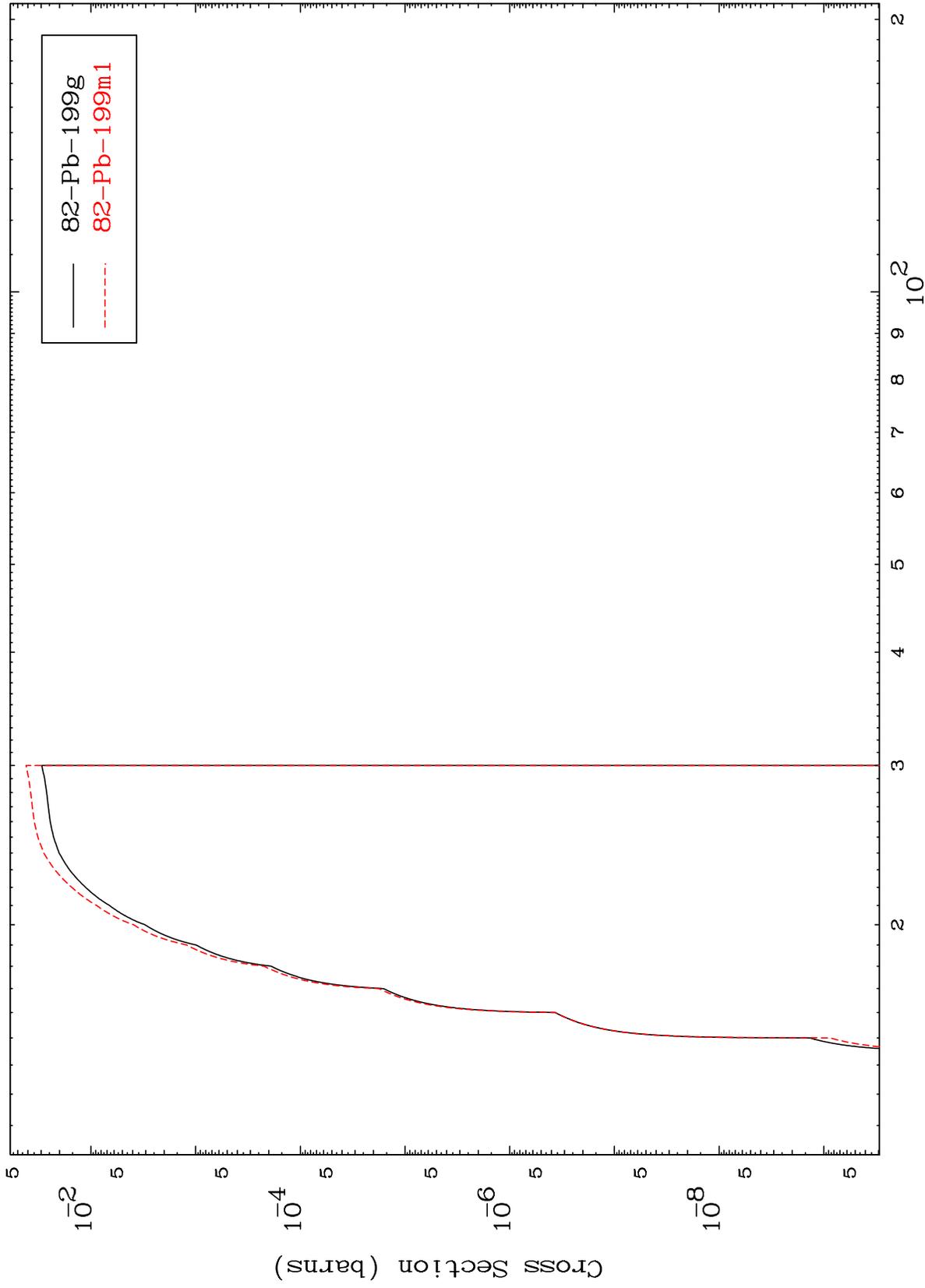
83-Bi-201

MAT 8301

(n,2n) p

83-Bi-201

Radionuclide Production Cross Section



98

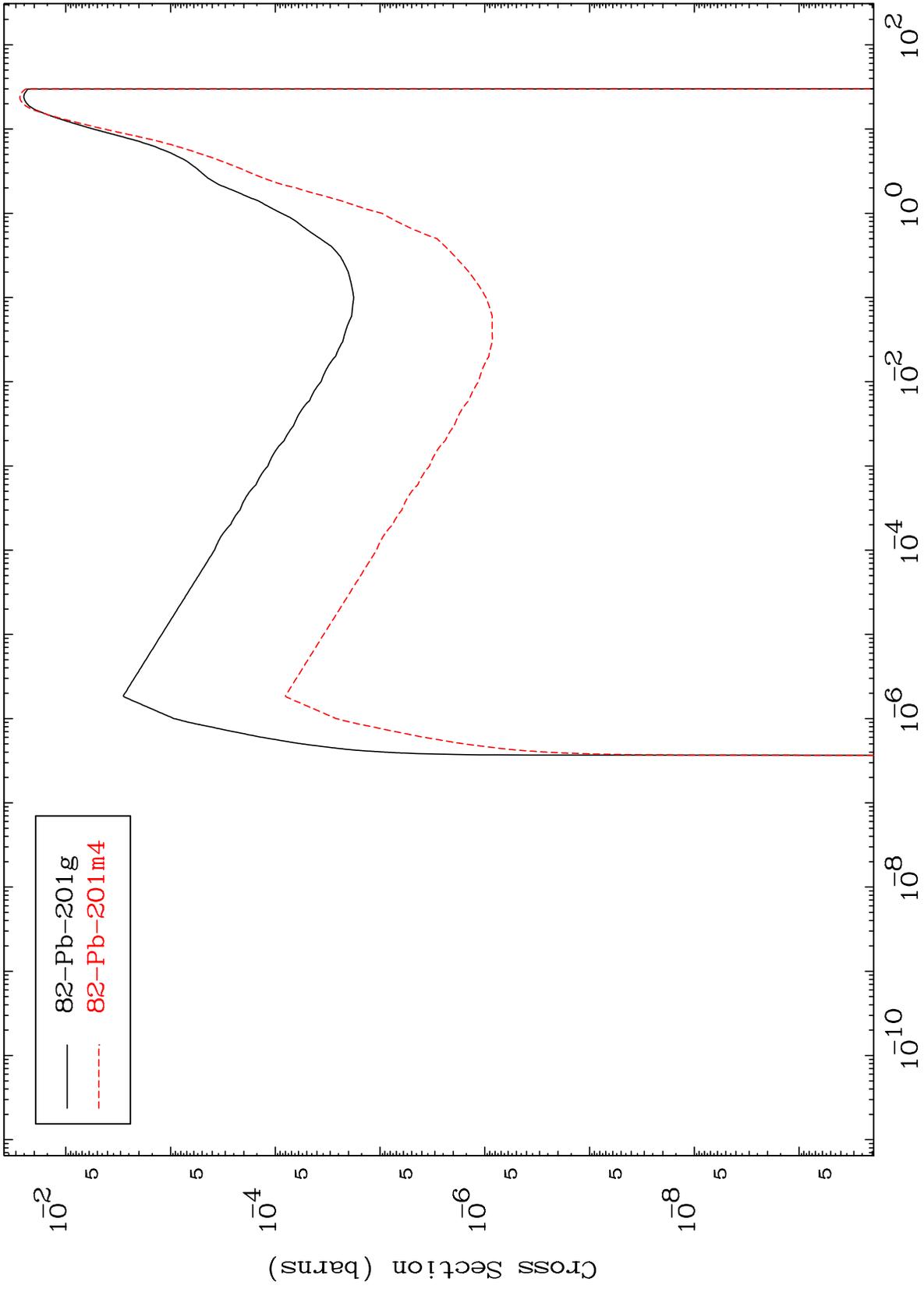
Incident Energy (MeV)

83-Bi-201

MAT 8301

83-Bi-201

Radionuclide Production Cross Section (n,p)



99

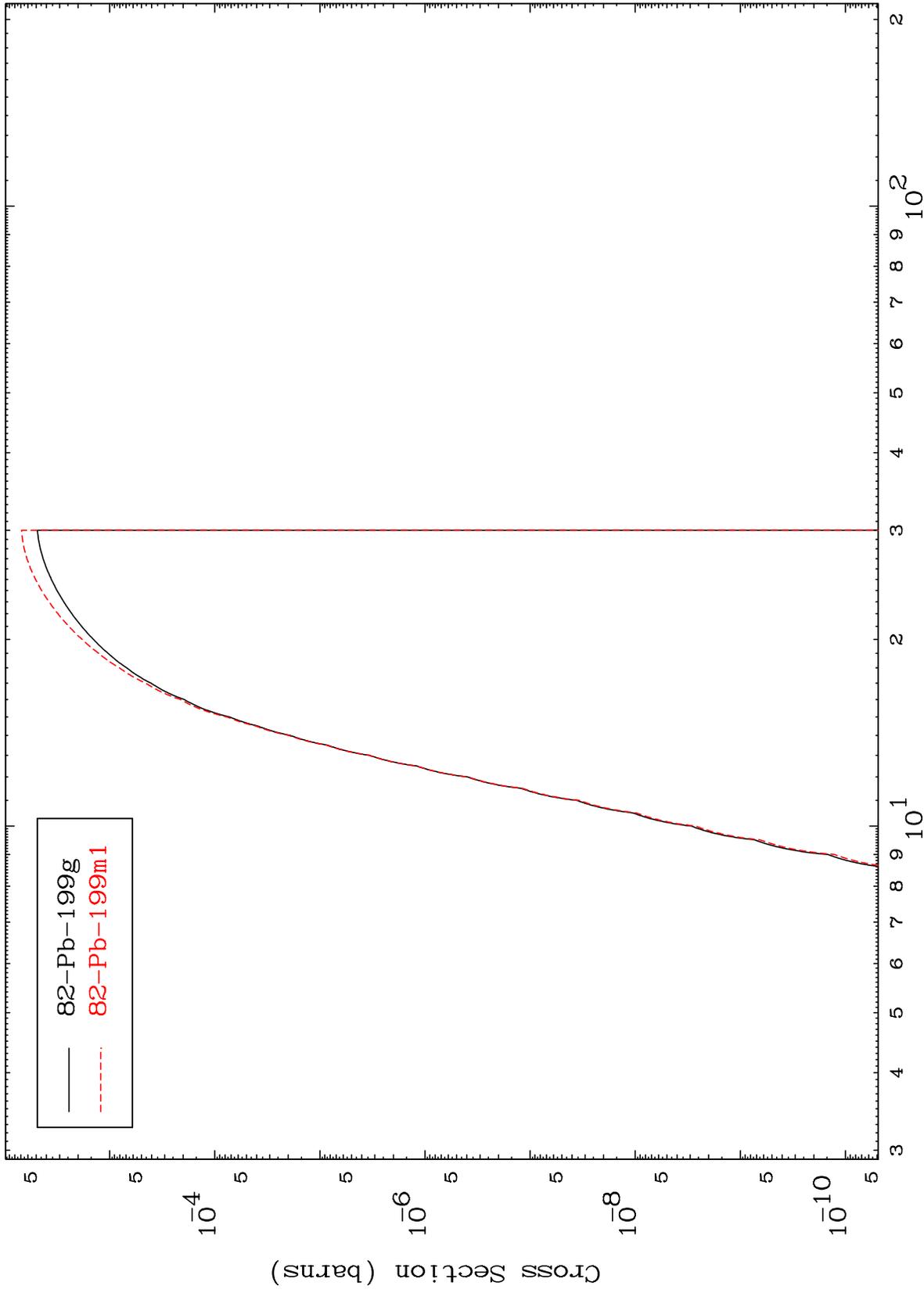
83-Bi-201

MAT 8301

$^{83}\text{Bi-201}$

Radionuclide Production Cross Section

(n, t)



100

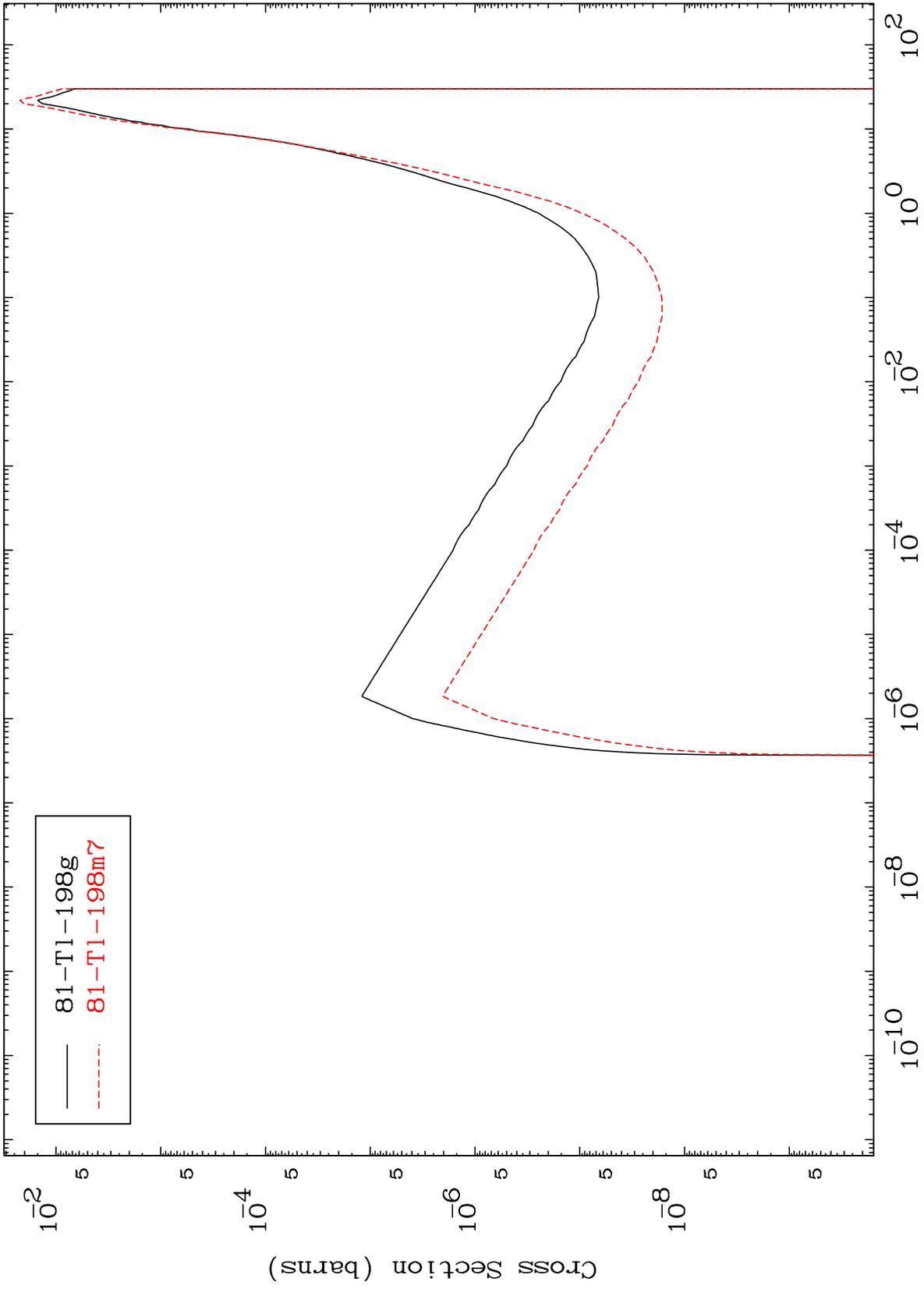
Incident Energy (MeV)

$^{83}\text{Bi-201}$

MAT 8301

Radionuclide Production Cross Section
(n,α)

83-Bi-201



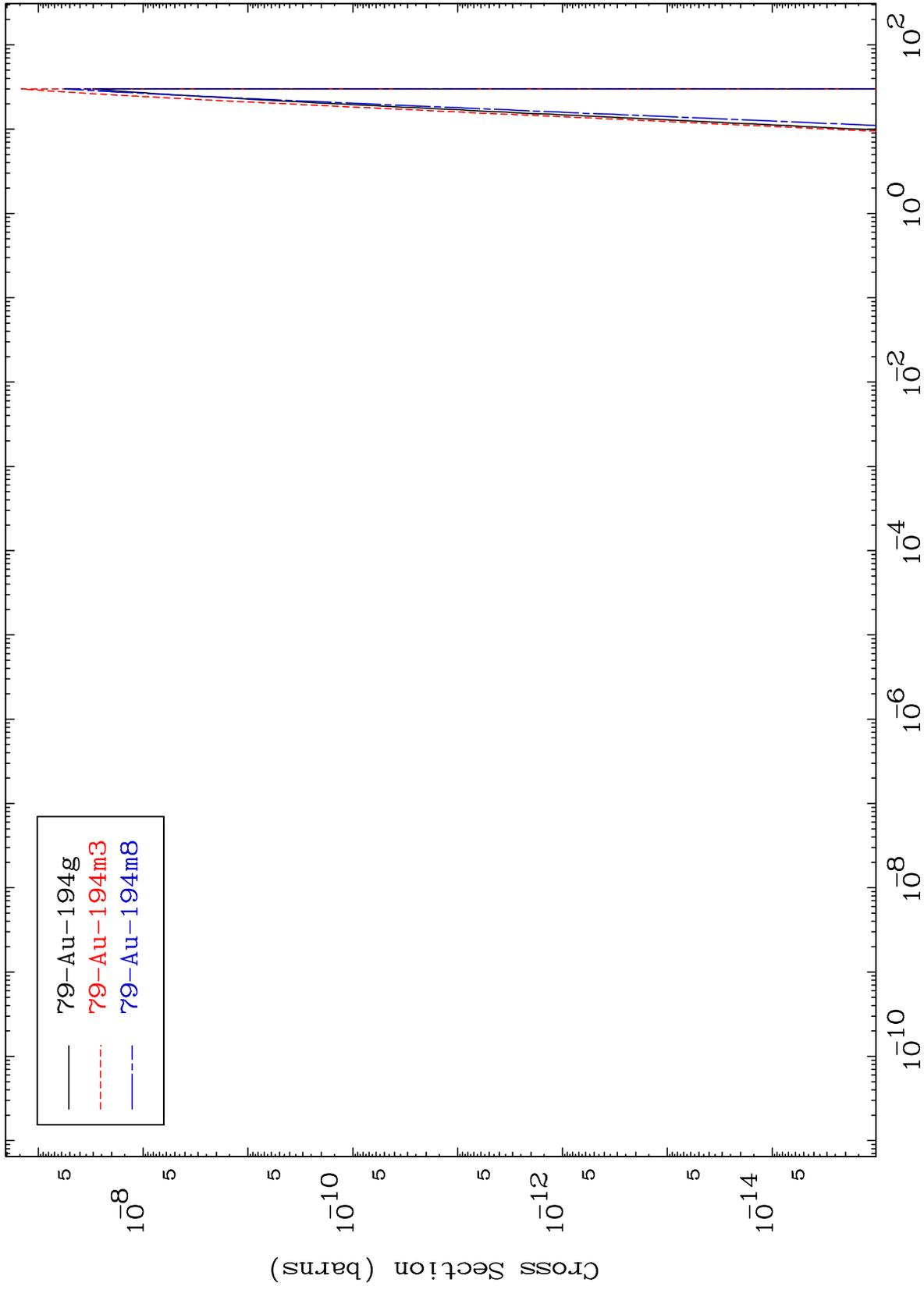
101

MAT 8301

(n,2α)

83-Bi-201

Radionuclide Production Cross Section



102

Incident Energy (MeV)

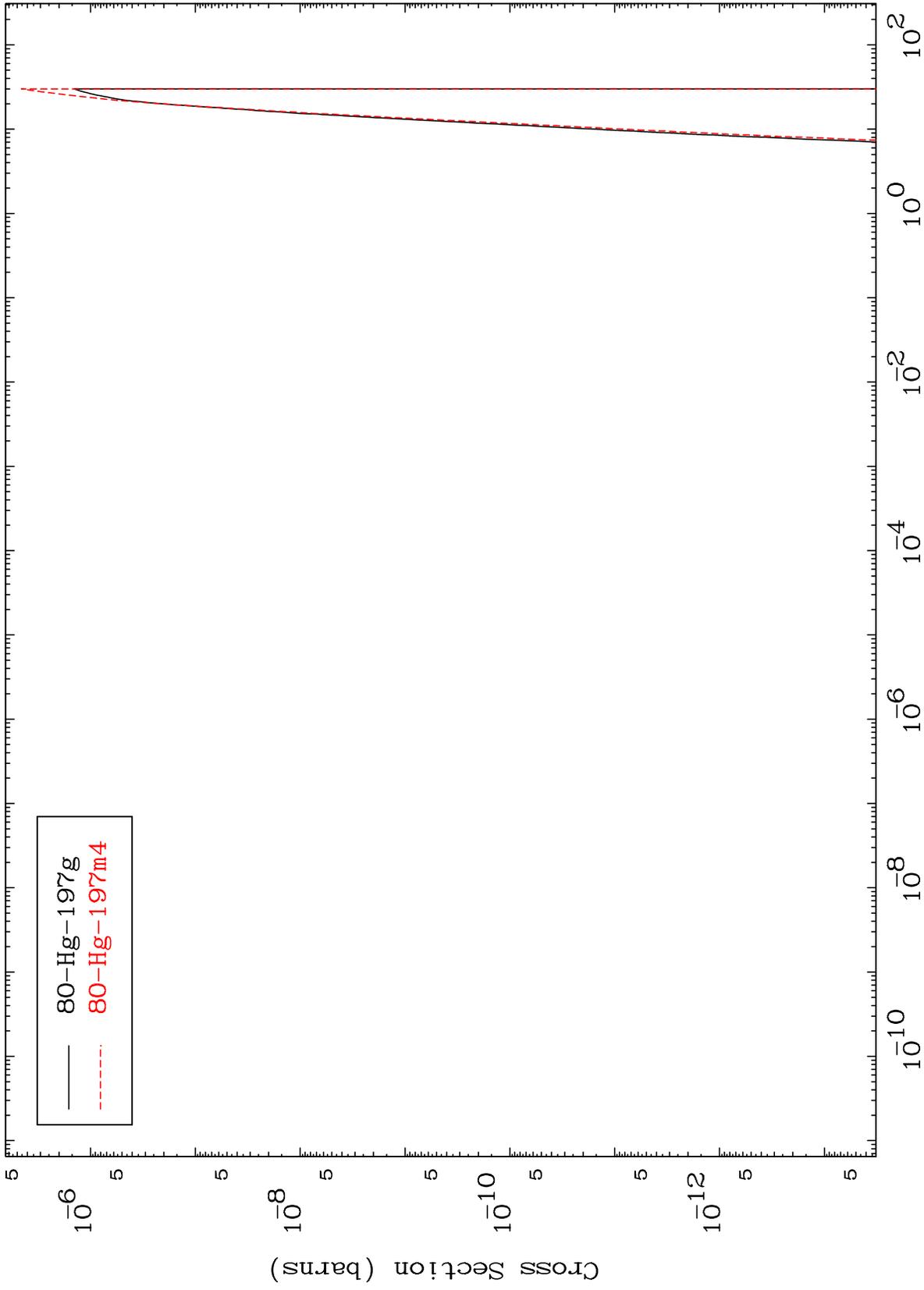
83-Bi-201

MAT 8301

(n,p) α

83-Bi-201

Radionuclide Production Cross Section



103

Incident Energy (MeV)

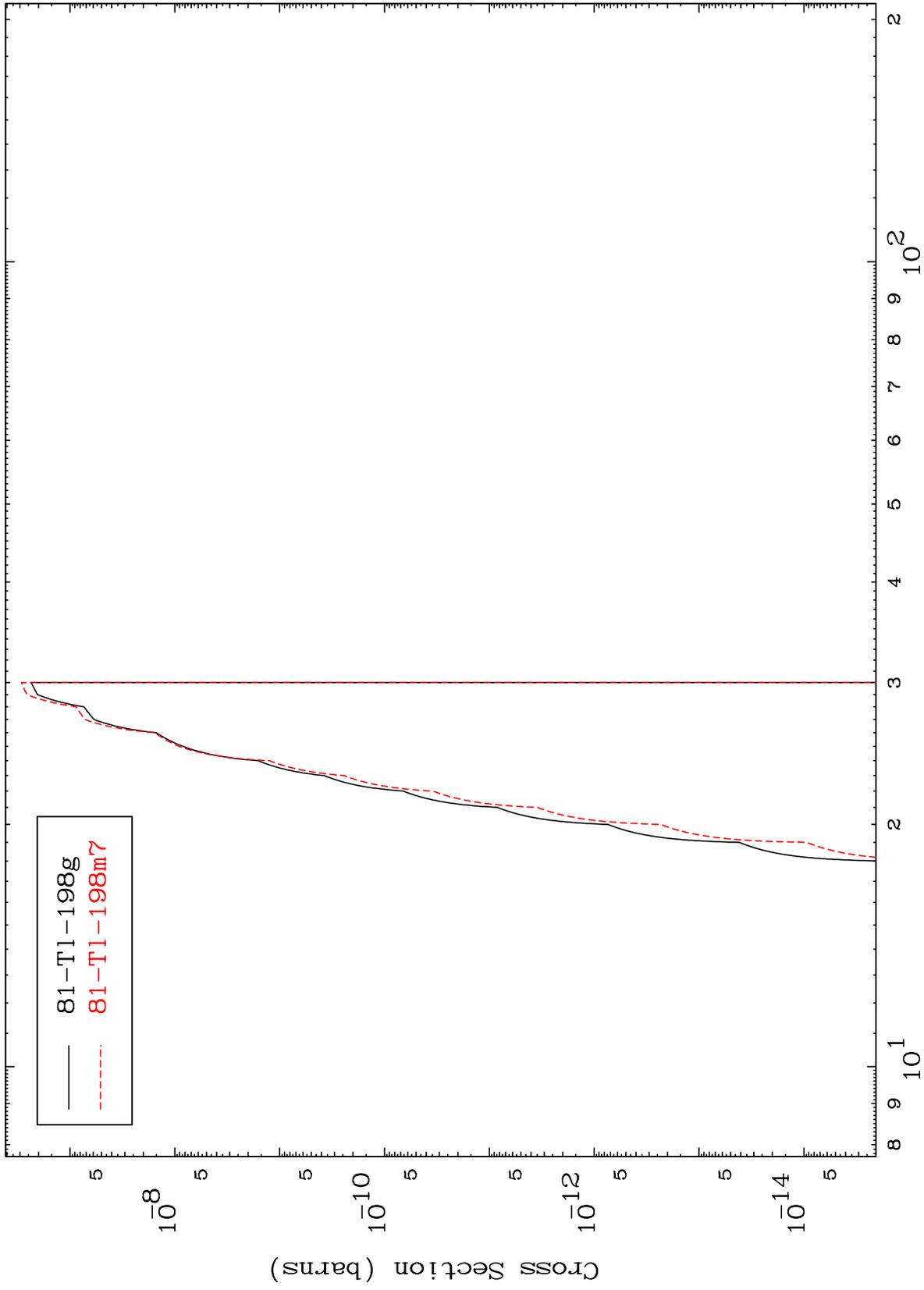
83-Bi-201

MAT 8301

(n,p) t

83-Bi-201

Radionuclide Production Cross Section



81-Tl-198g
81-Tl-198m7

104

Incident Energy (MeV)

83-Bi-201