

Program EVALPLOT
(Version 2018-1)

by

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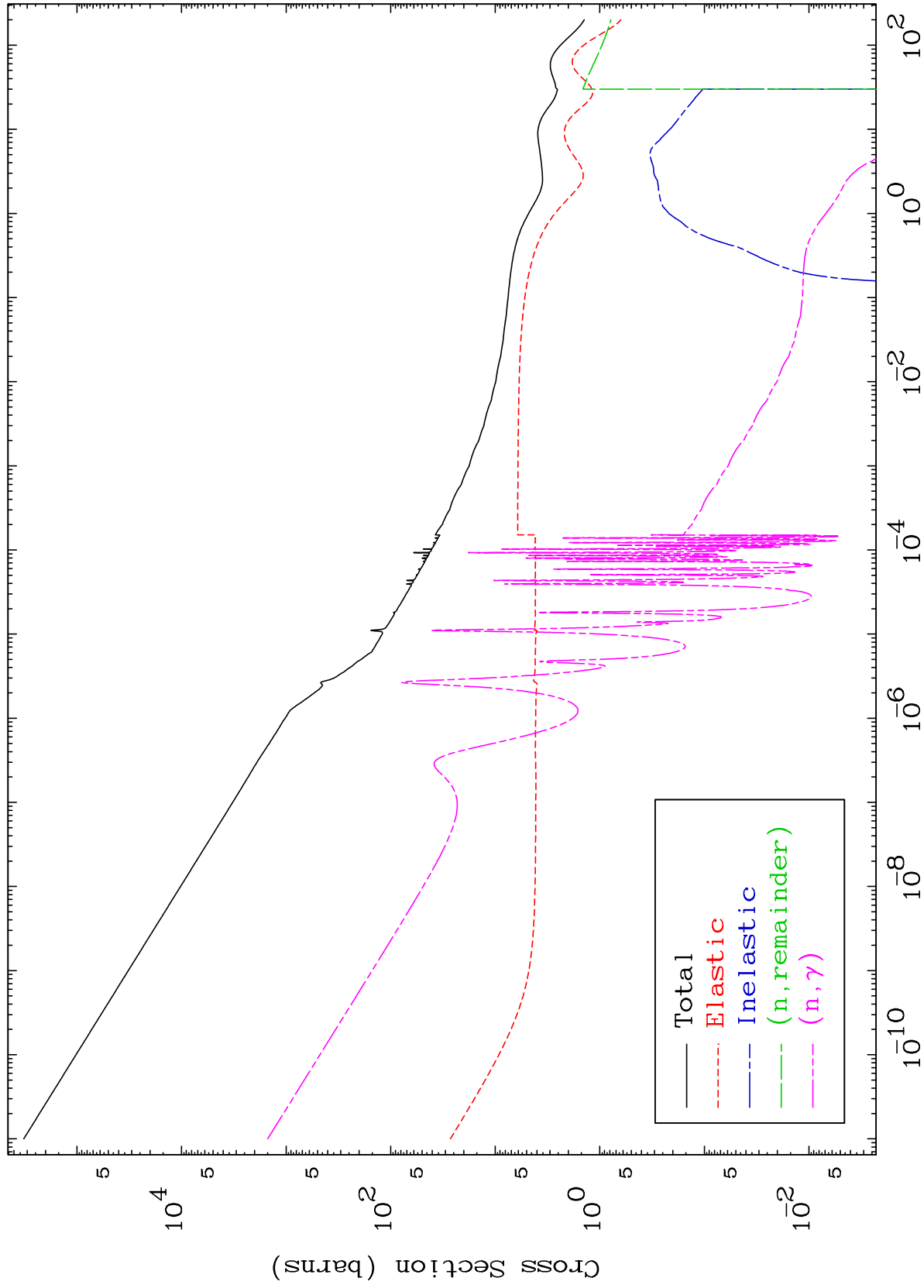
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3701

Major
293 Kelvin Cross Sections

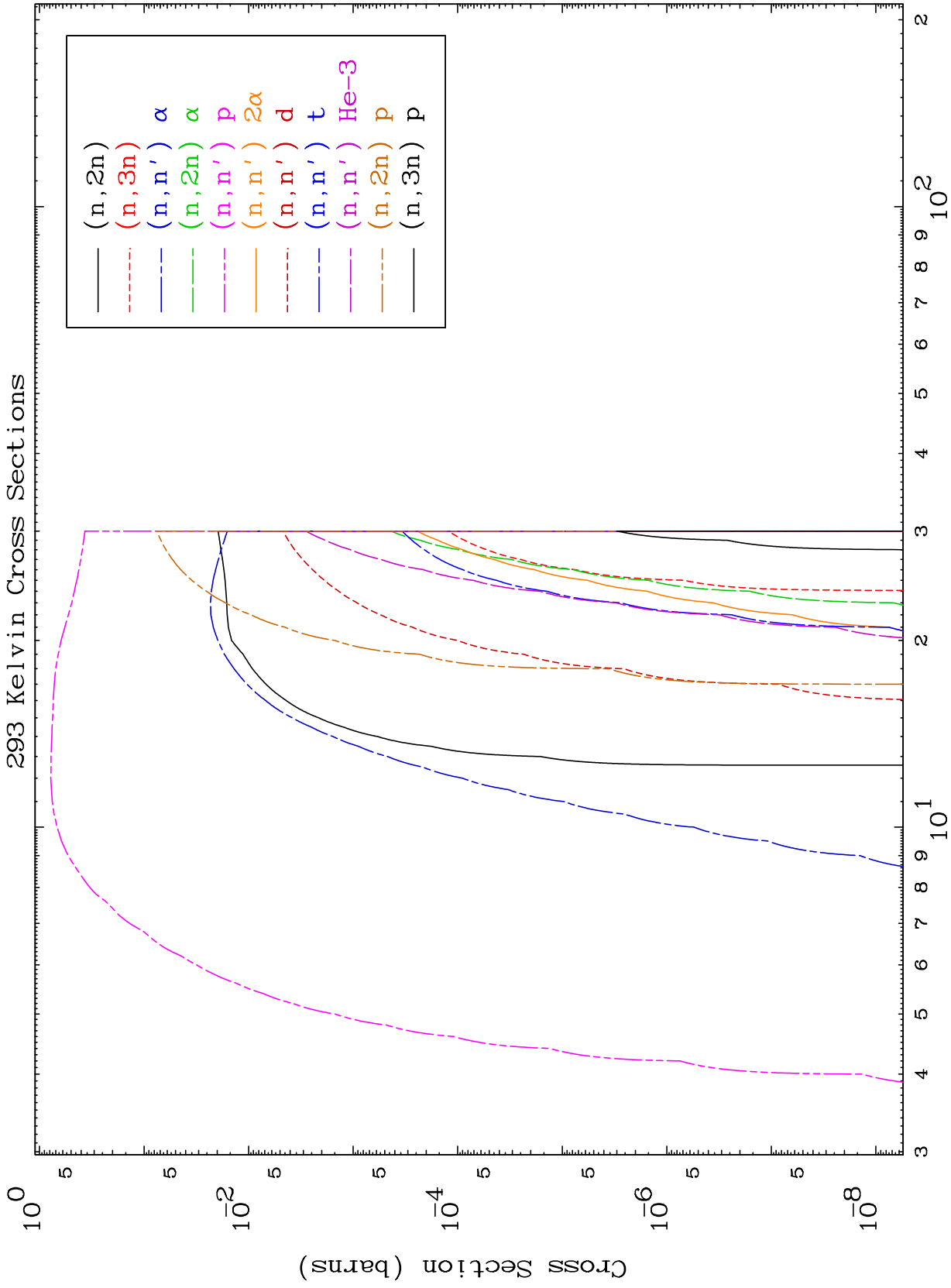
37-Rb-77



MAT 3701

Neutron Production
293 Kelvin Cross Sections

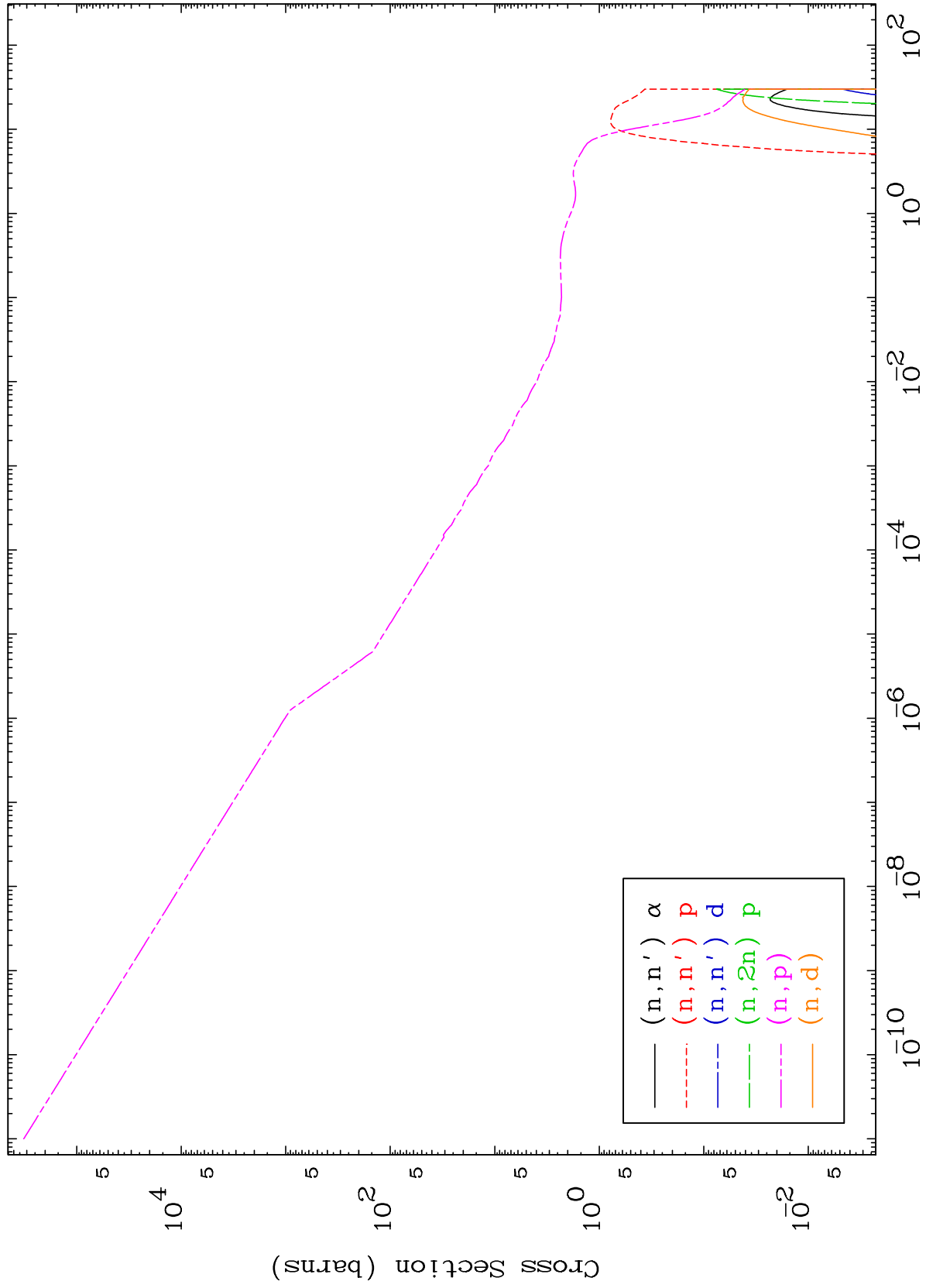
37-Rb-77



2

Incident Energy (MeV)

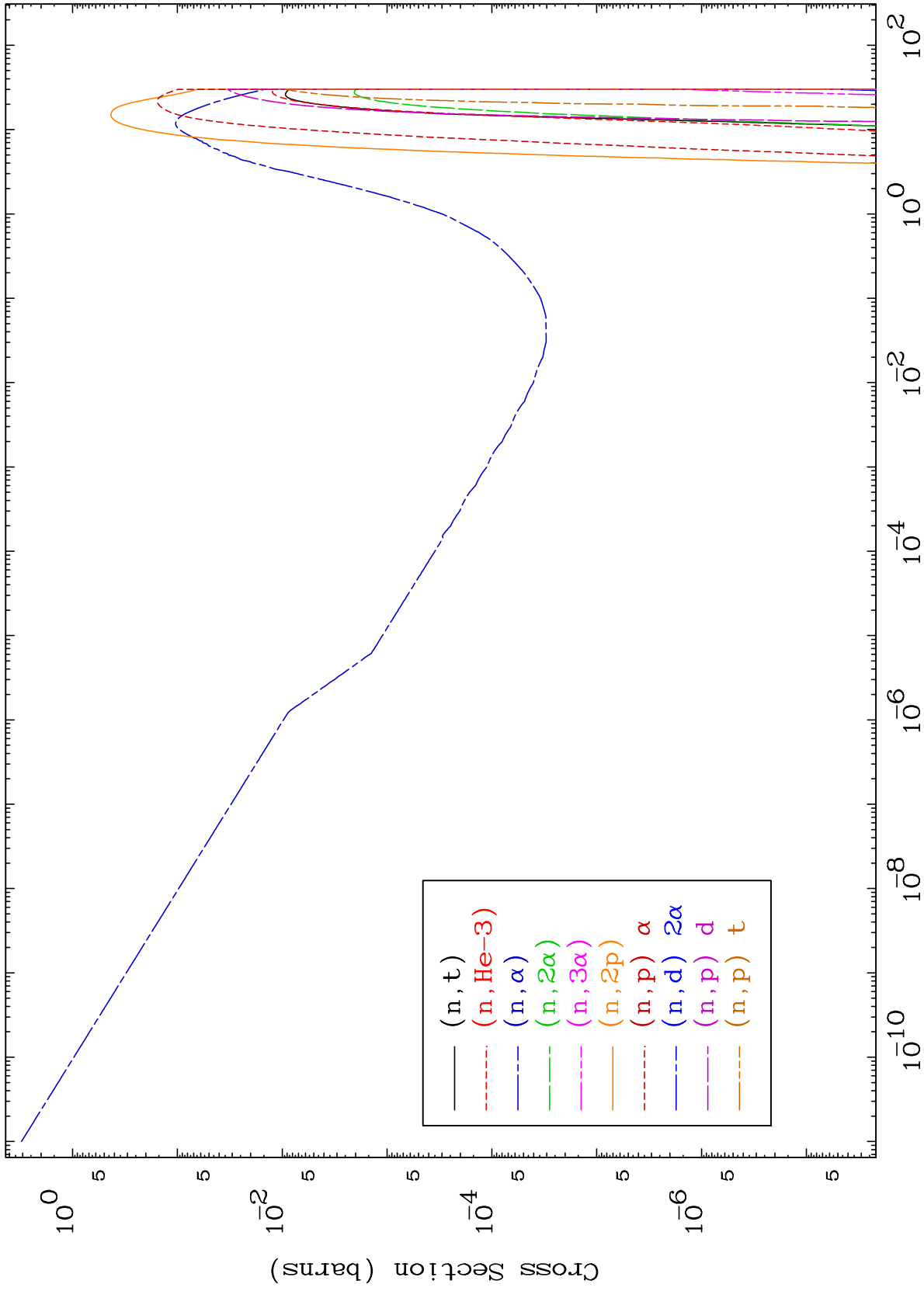
37-Rb-77

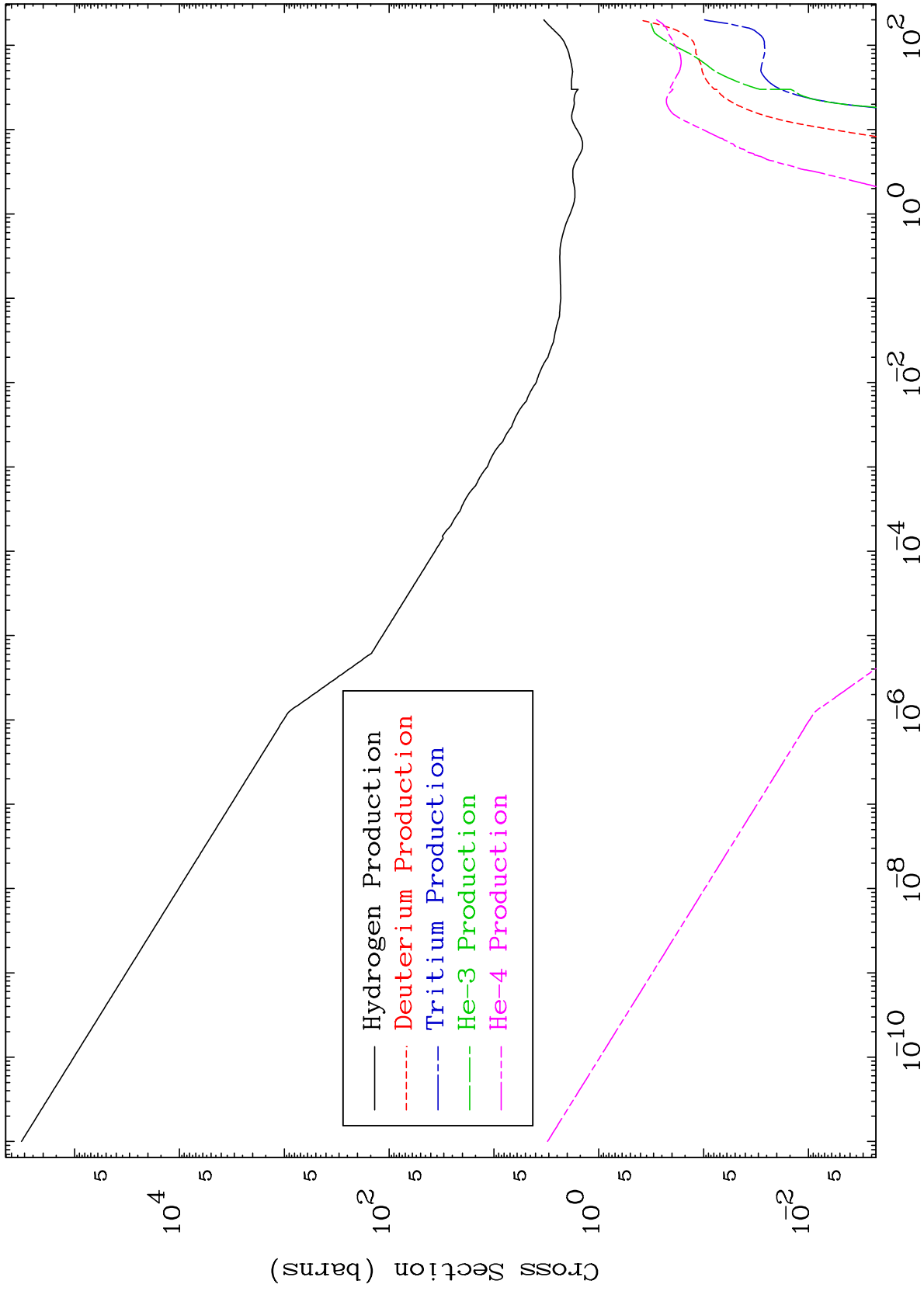


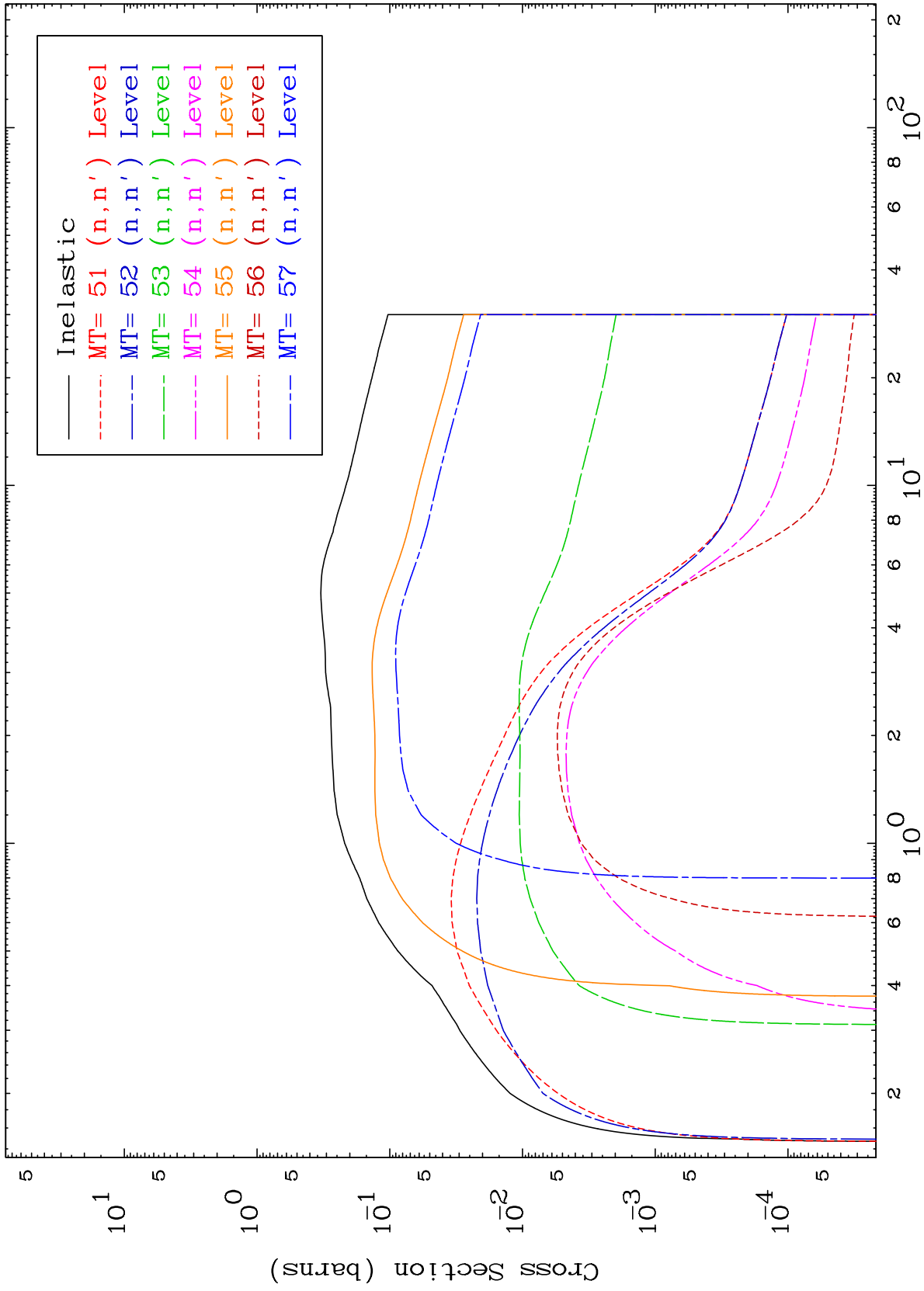
MAT 3701

Charged Particle
293 Kelvin Cross Sections

37-Rb-77





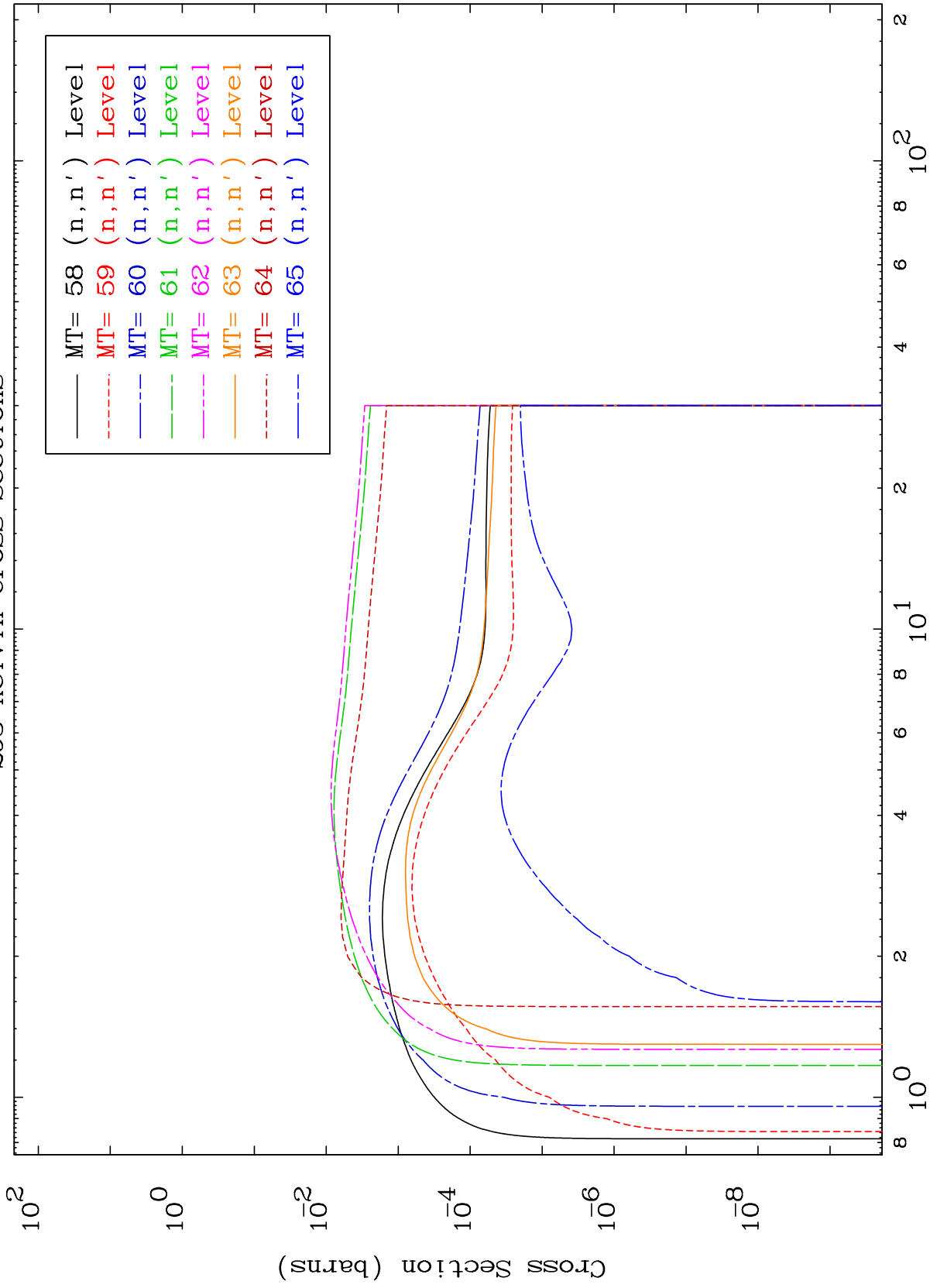


MAT 3701

(n,n') Level

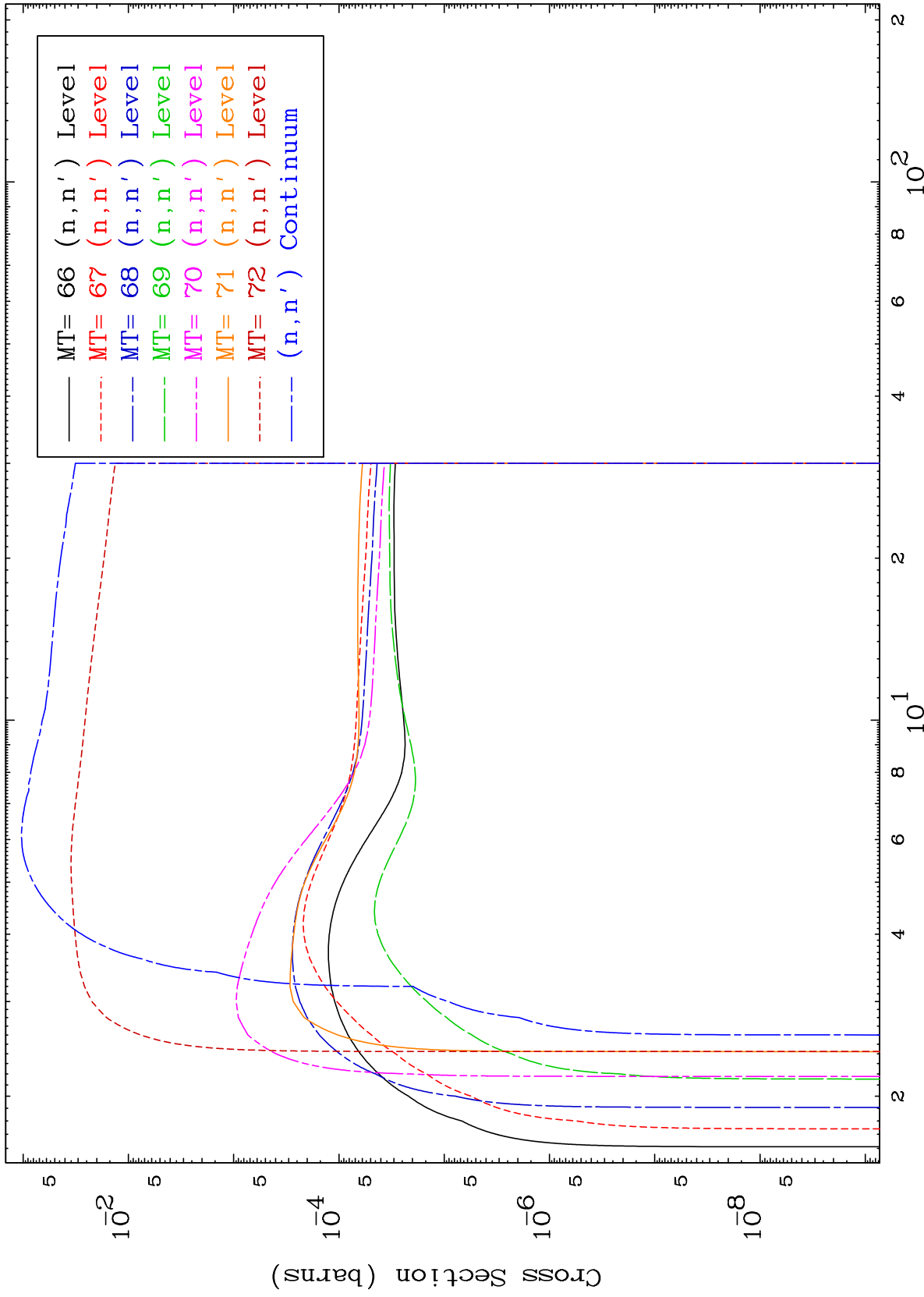
37-Rb-77

293 Kelvin Cross Sections



Incident Energy (MeV)

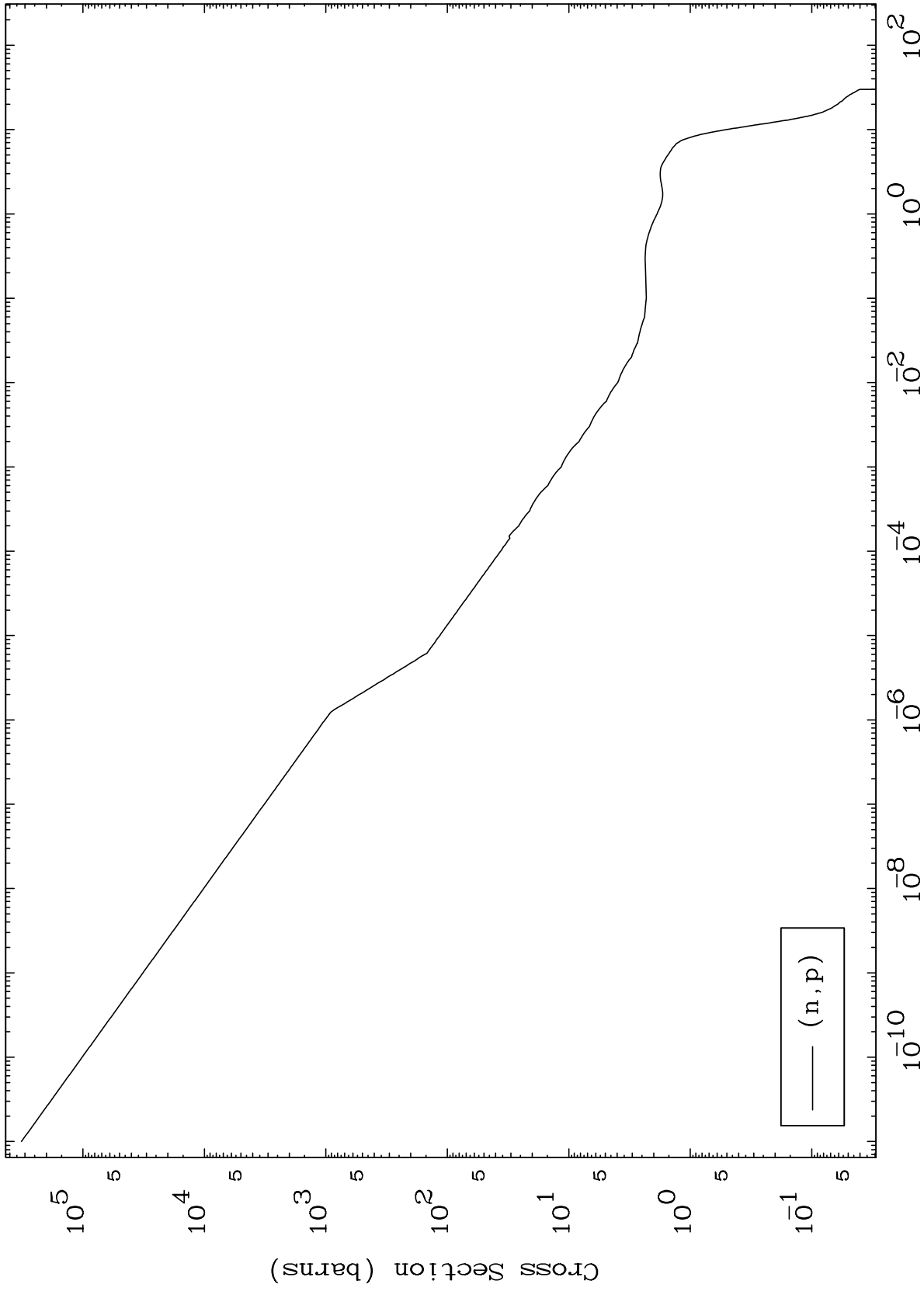
37-Rb-77



MAT 3701

(n,p) Levels
293 Kelvin Cross Sections

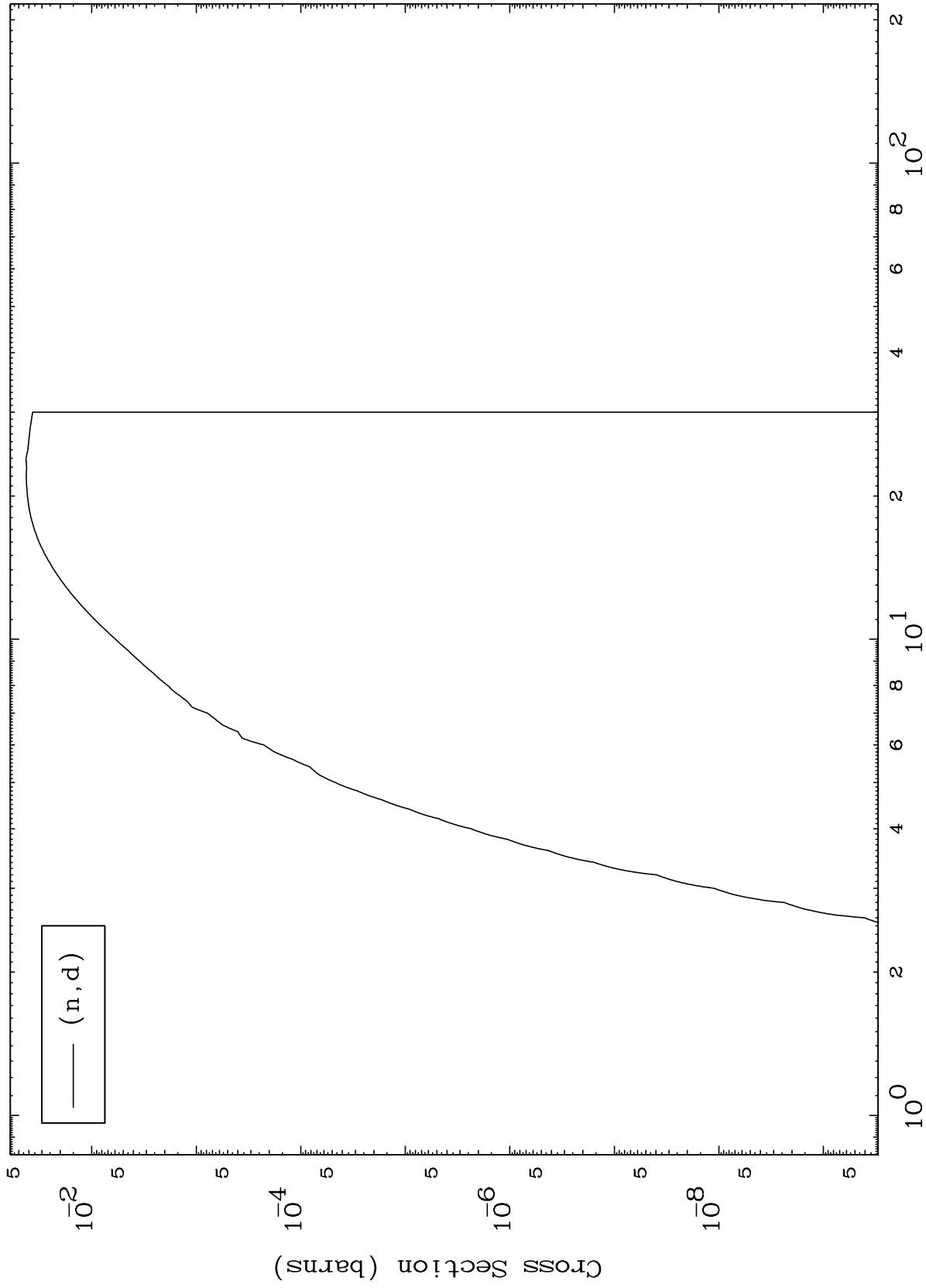
37-Rb-77



MAT 3701

(n,d) Levels
293 Kelvin Cross Sections

37-Rb-77



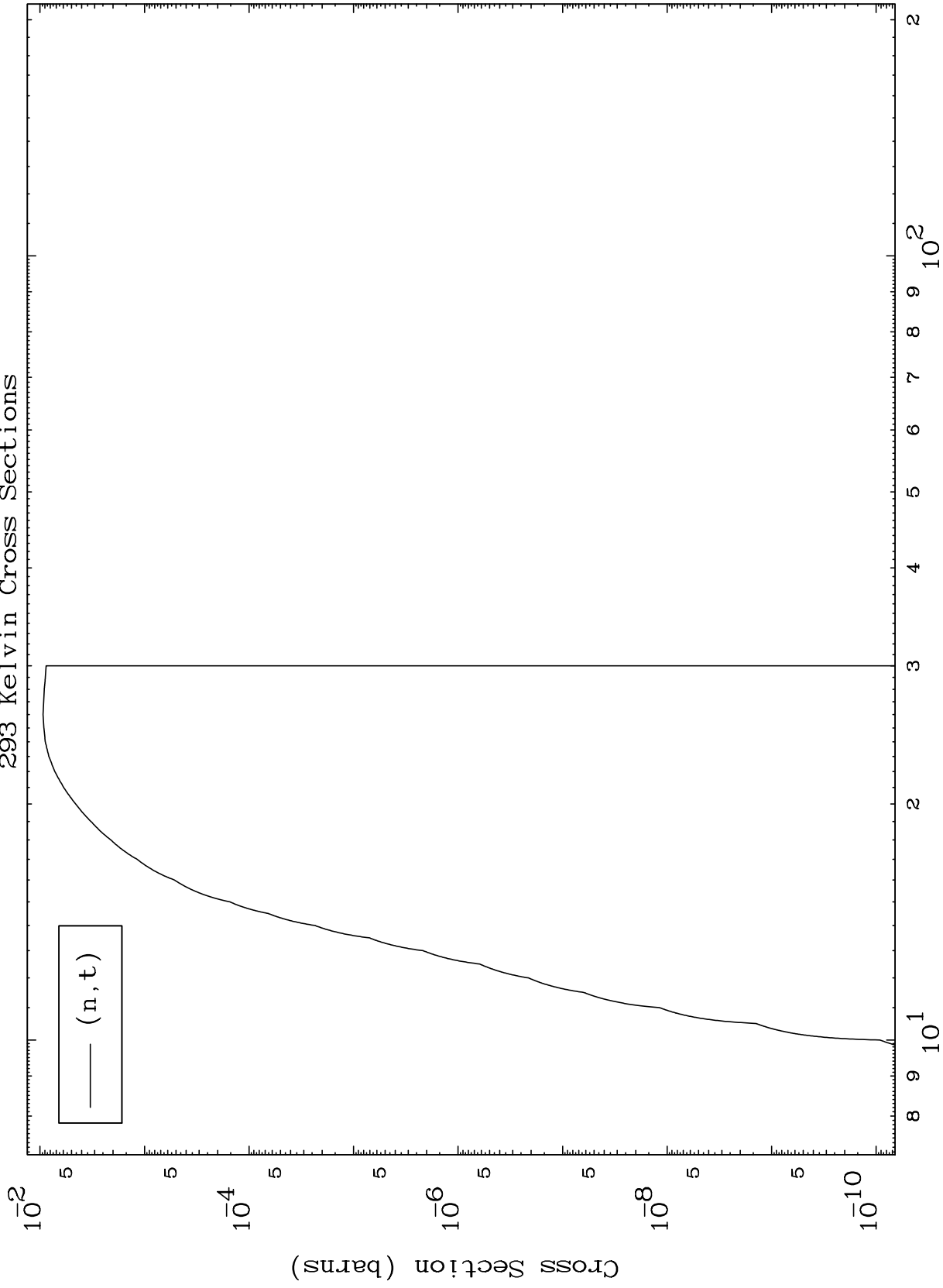
37-Rb-77

37-Rb-77

MAT 3701

37-Rb-77

(n,t) Levels
293 Kelvin Cross Sections



11

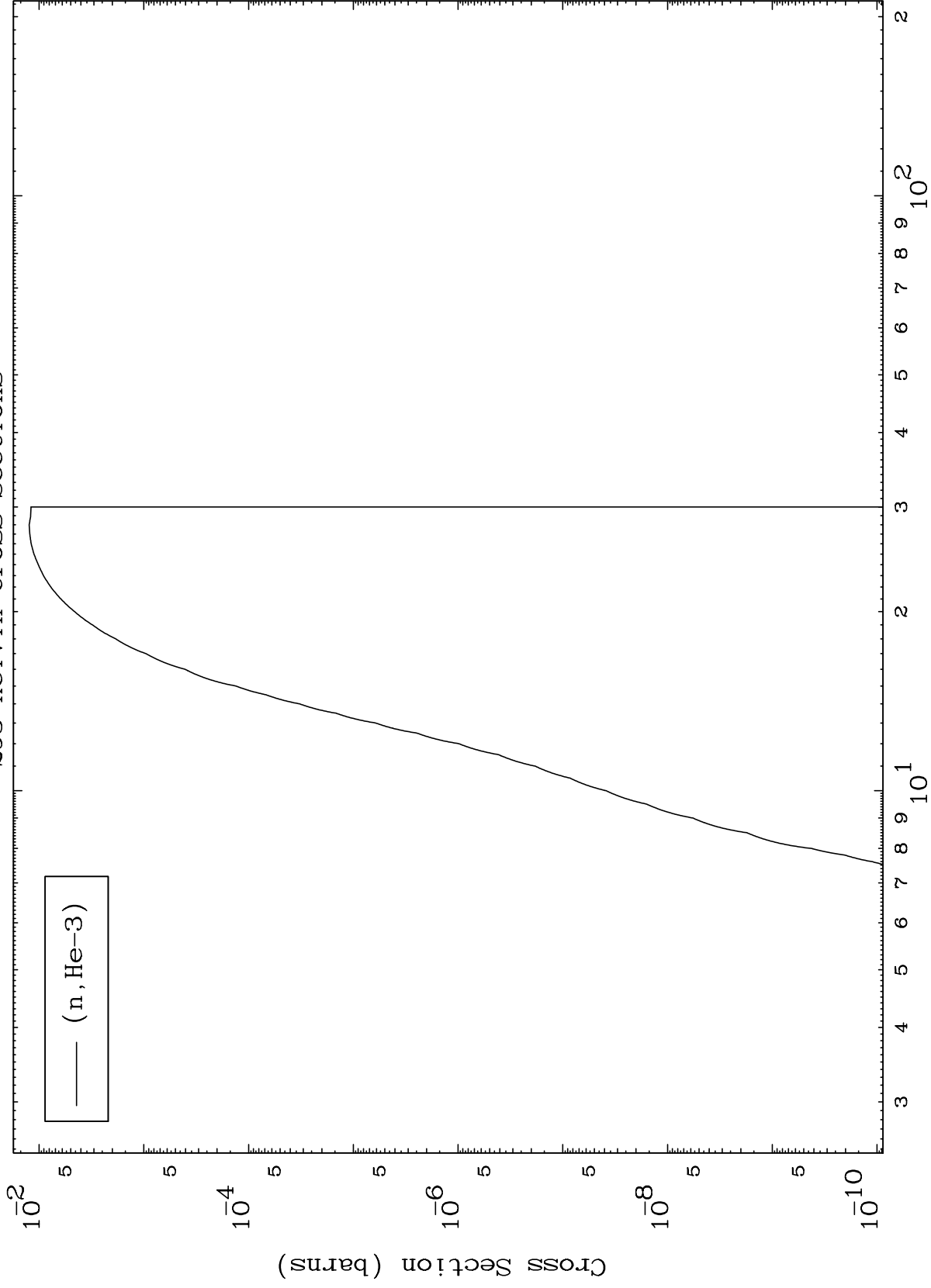
Incident Energy (MeV)

37-Rb-77

MAT 3701

(n,He3) Levels
293 Kelvin Cross Sections

37-Rb-77



12

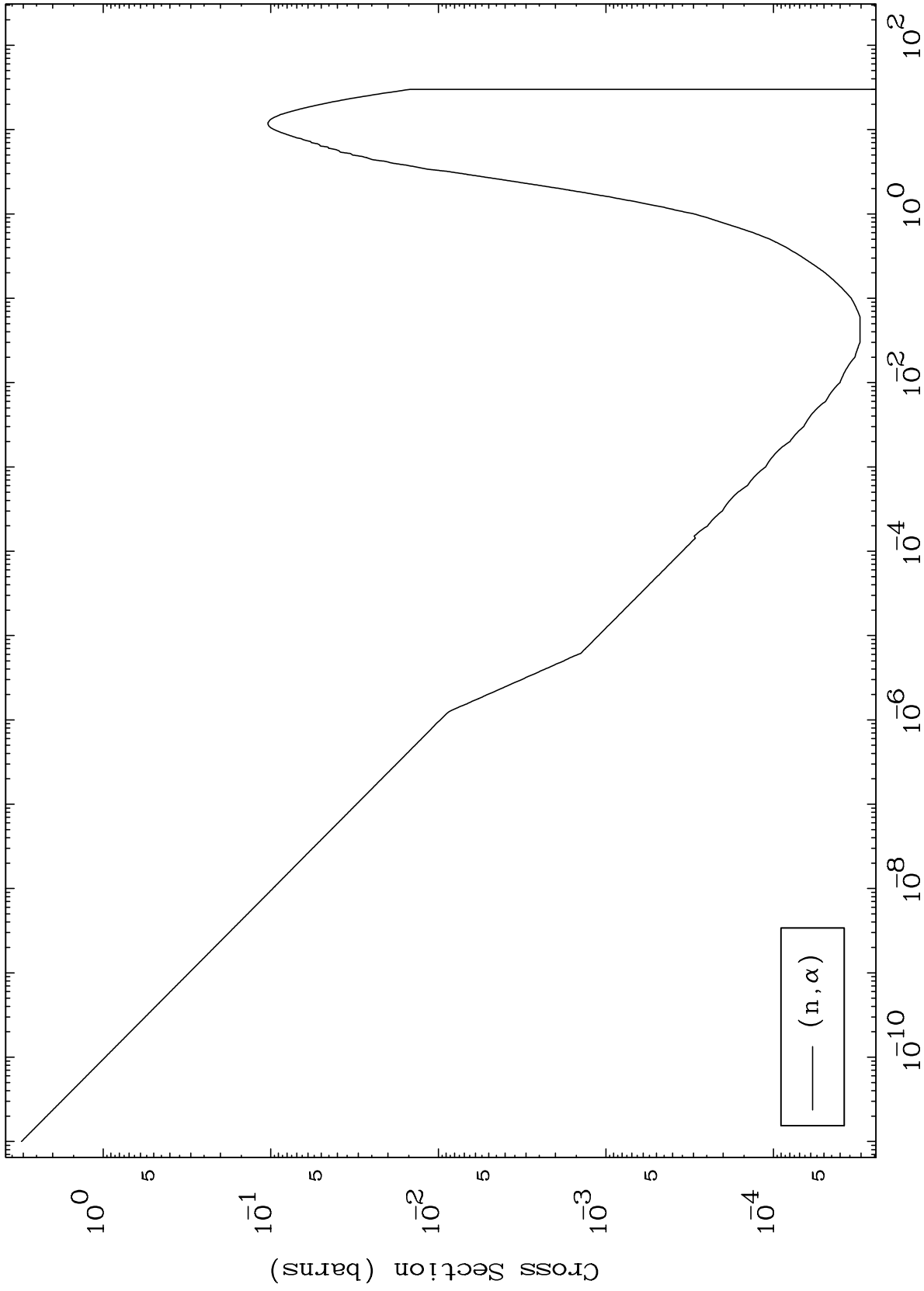
Incident Energy (MeV)

37-Rb-77

MAT 3701

(n, α) Levels
293 Kelvin Cross Sections

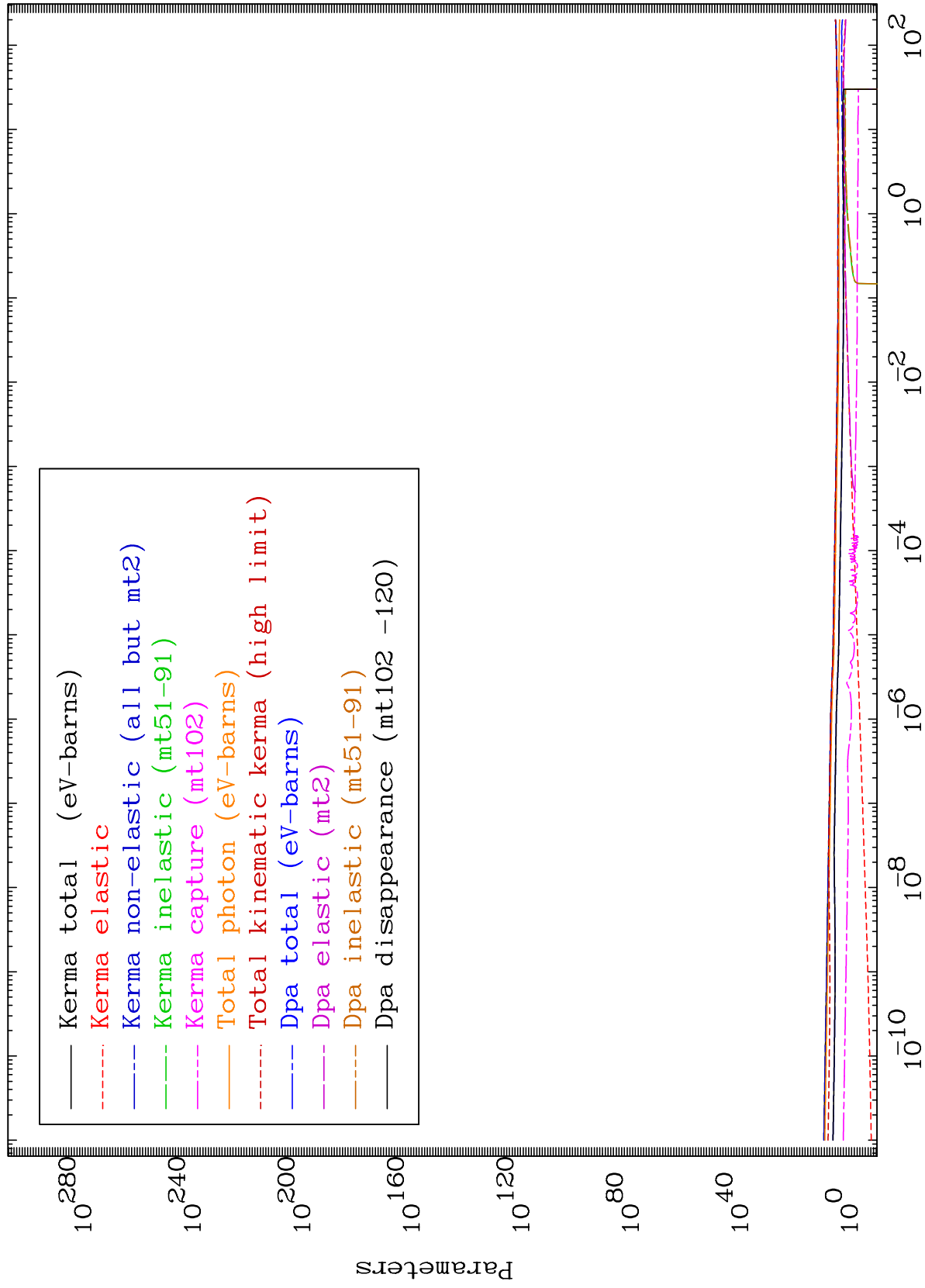
37-Rb-77



13

Incident Energy (MeV)

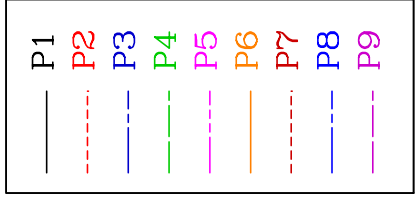
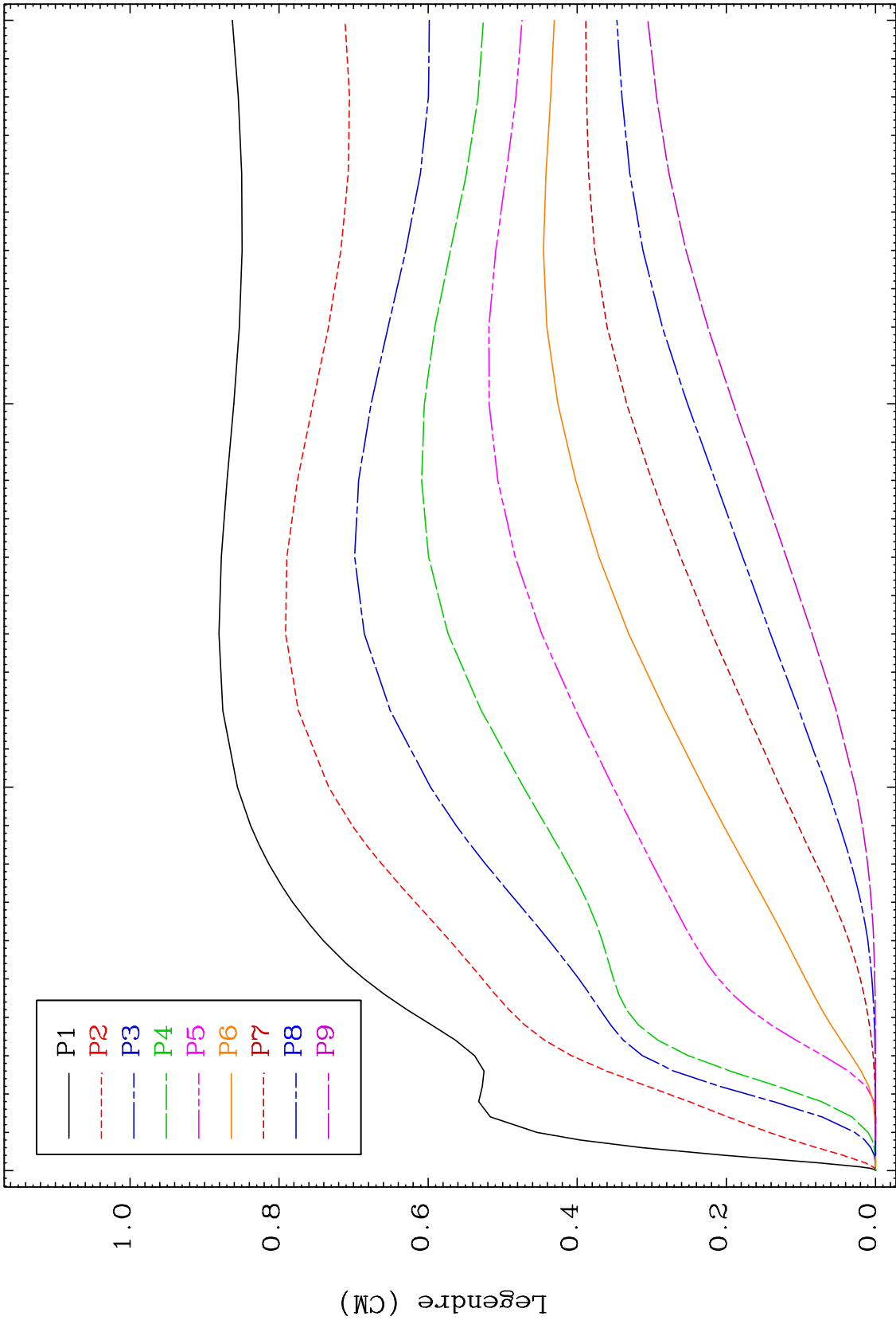
37-Rb-77



MAT 3701

Elastic Legendre Coefficients

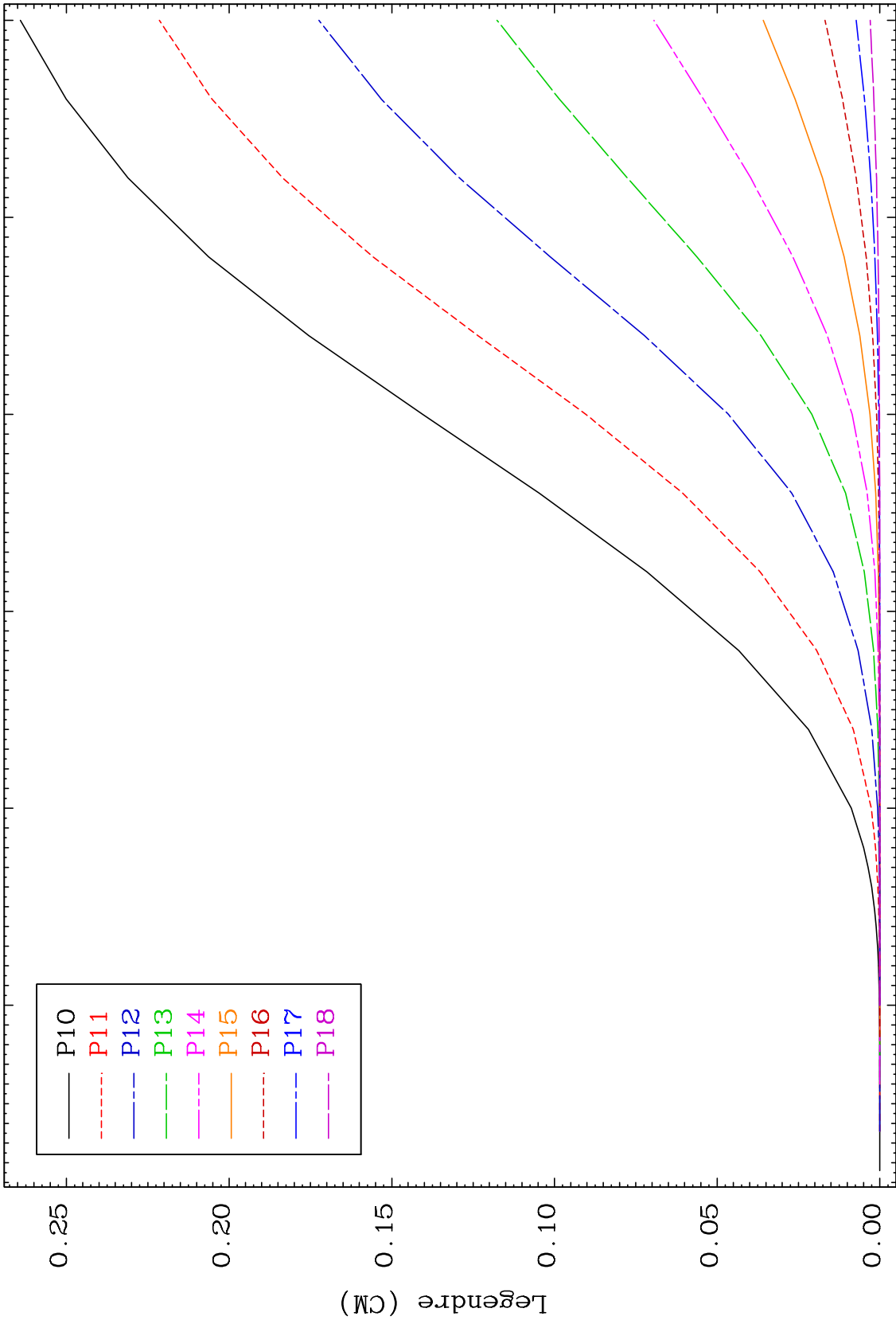
37-Rb-77



MAT 3701

Elastic Legendre Coefficients

37-Rb-77



16

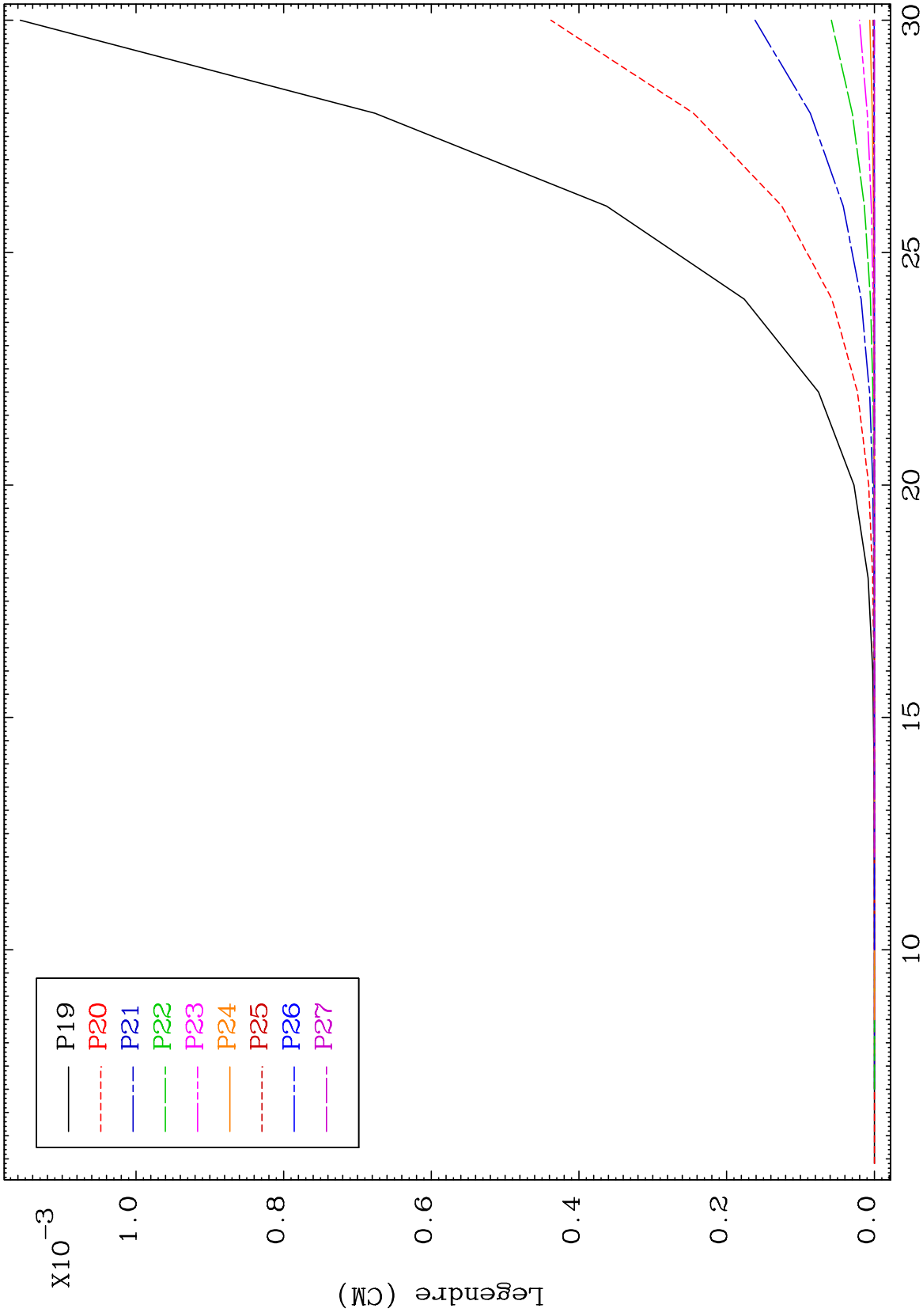
Incident Energy (MeV)

37-Rb-77

MAT 3701

Elastic Legendre Coefficients

37-Rb-77



17

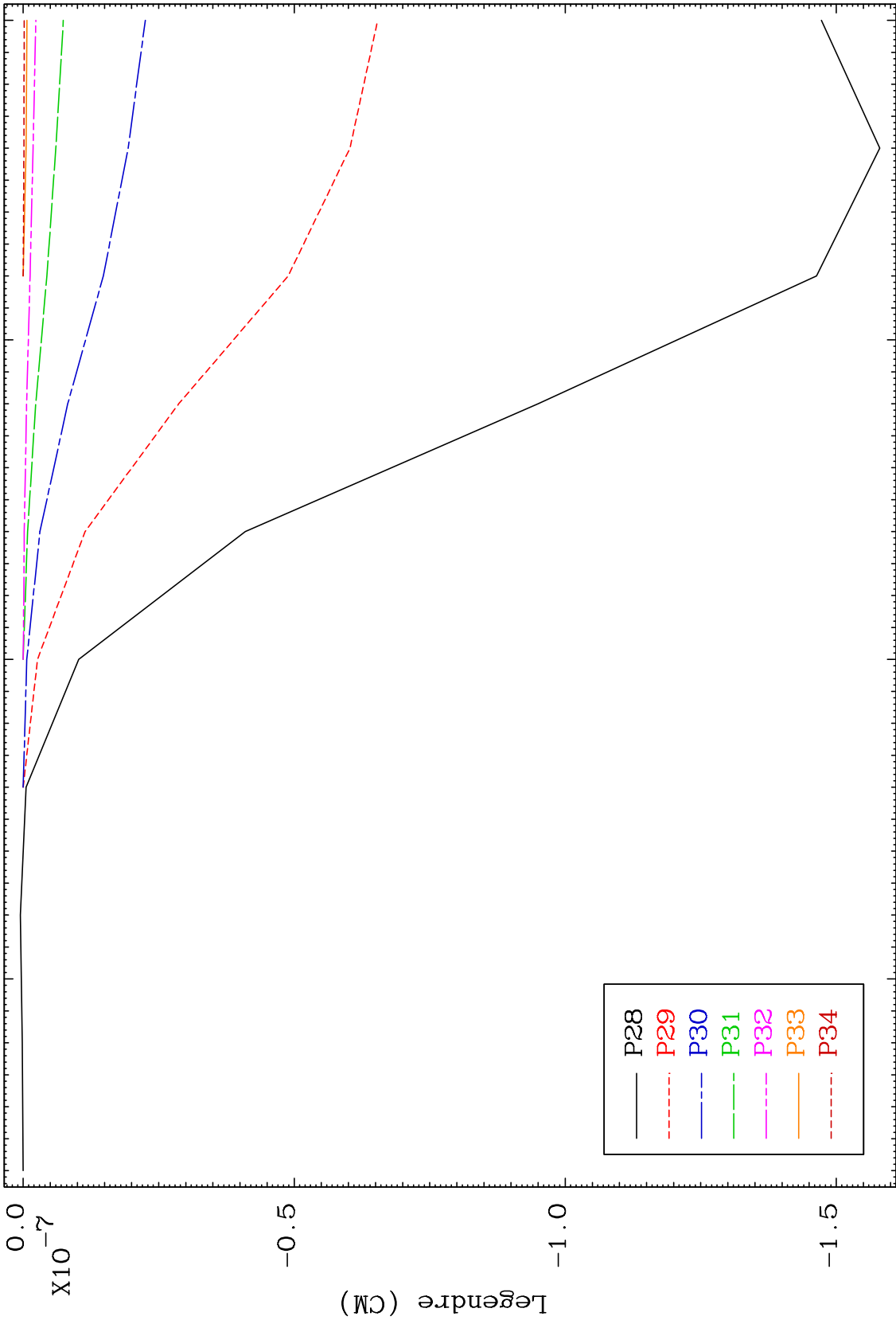
Incident Energy (MeV)

37-Rb-77

MAT 3701

37-Rb-77

Elastic
Legendre Coefficients



18

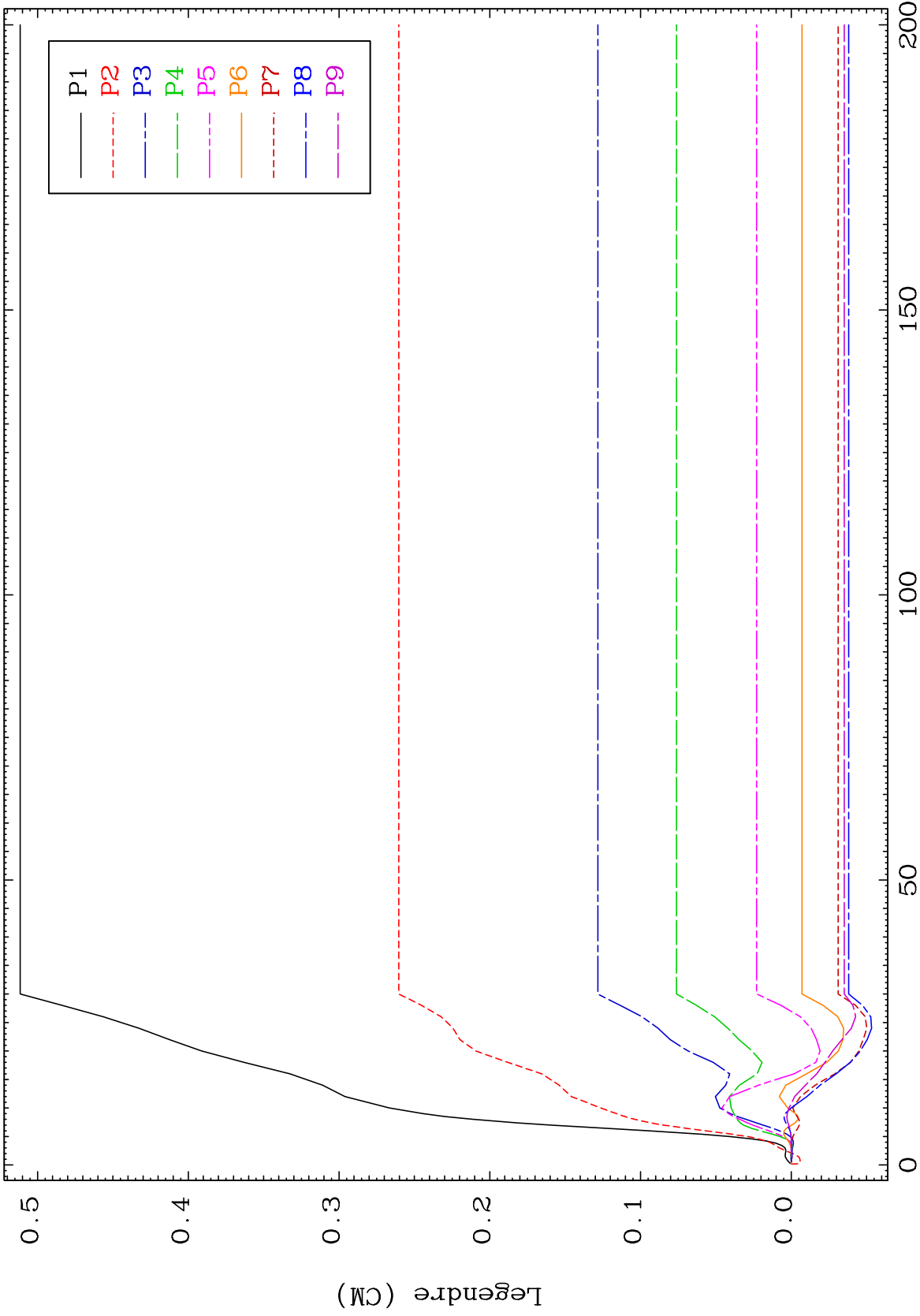
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

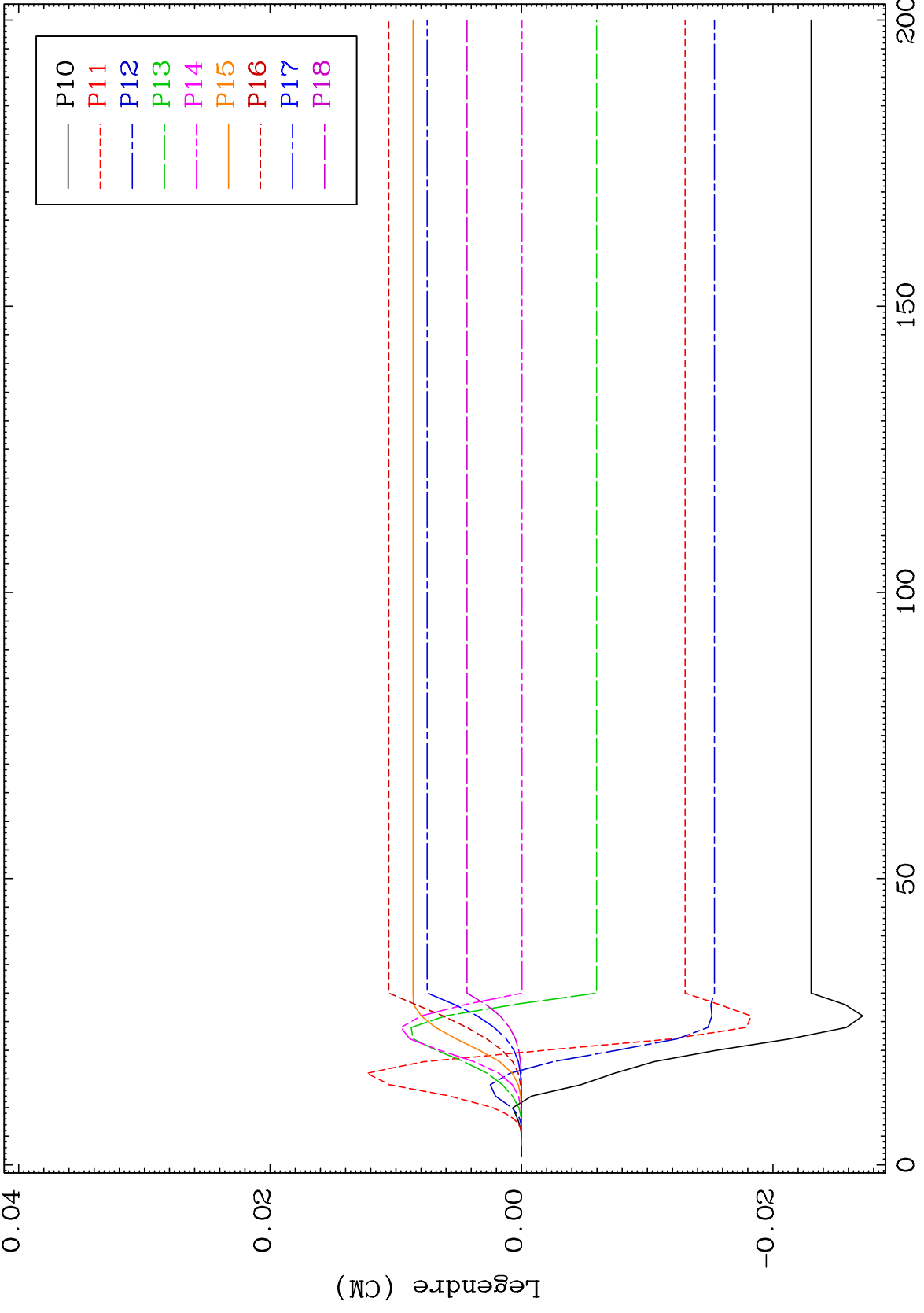
37-Rb-77



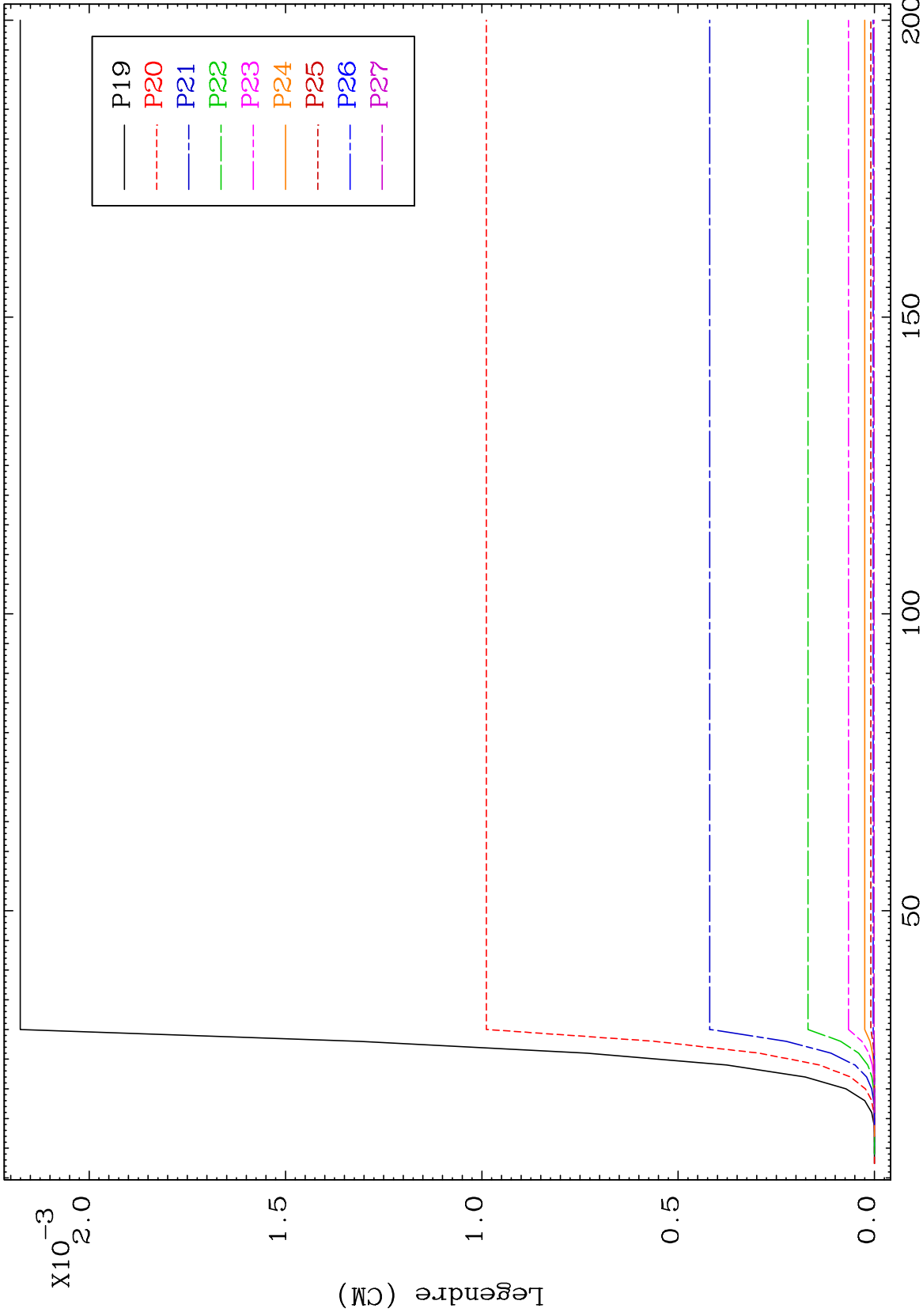
19

37-Rb-77

MAT 3701 MT= 51 (n,n') Level Legendre Coefficients 37-Rb-77



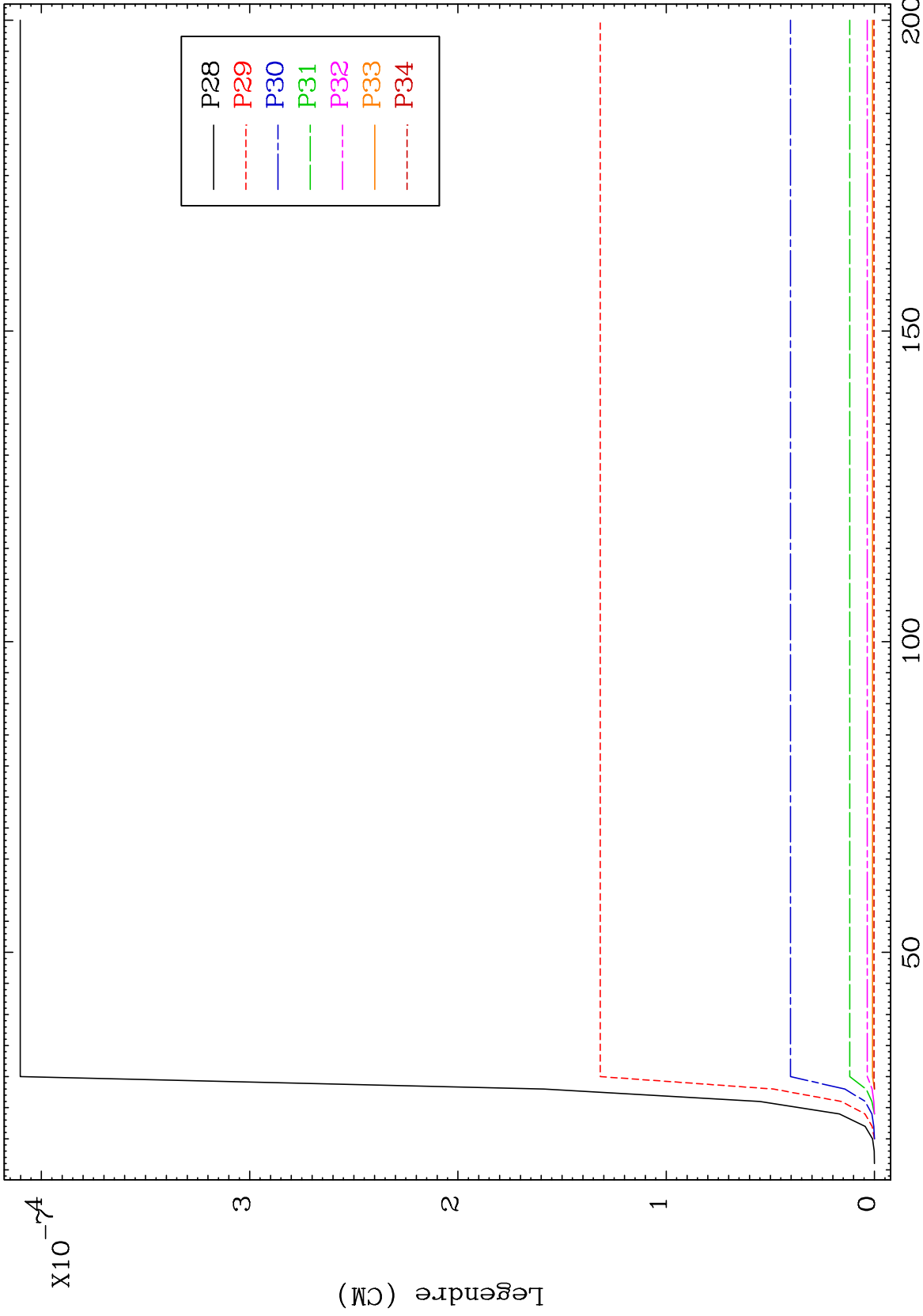
37-Rb-77



MAT 3701

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

37-Rb-77



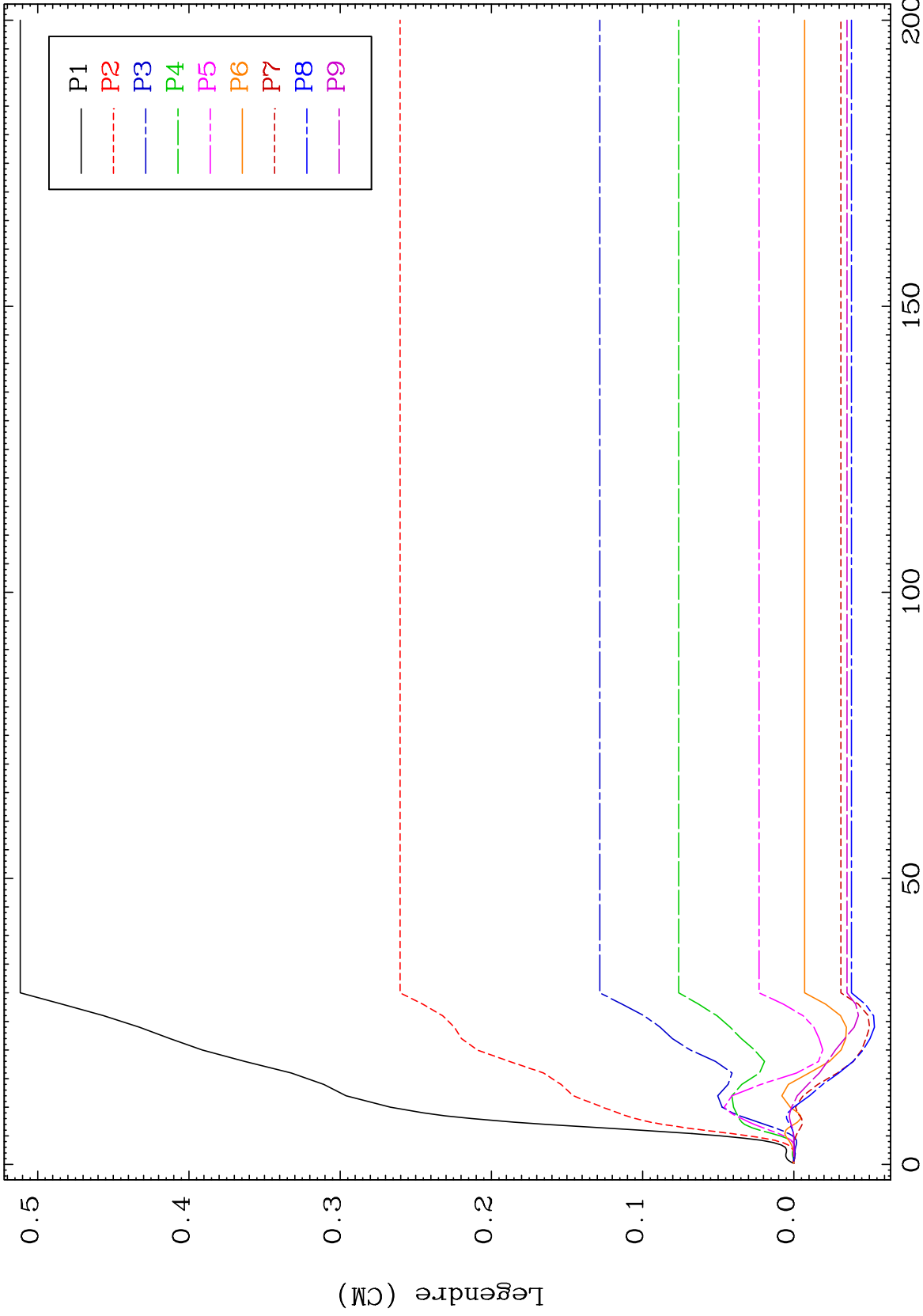
22

37-Rb-77

MAT 3701

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

37-Rb-77



23

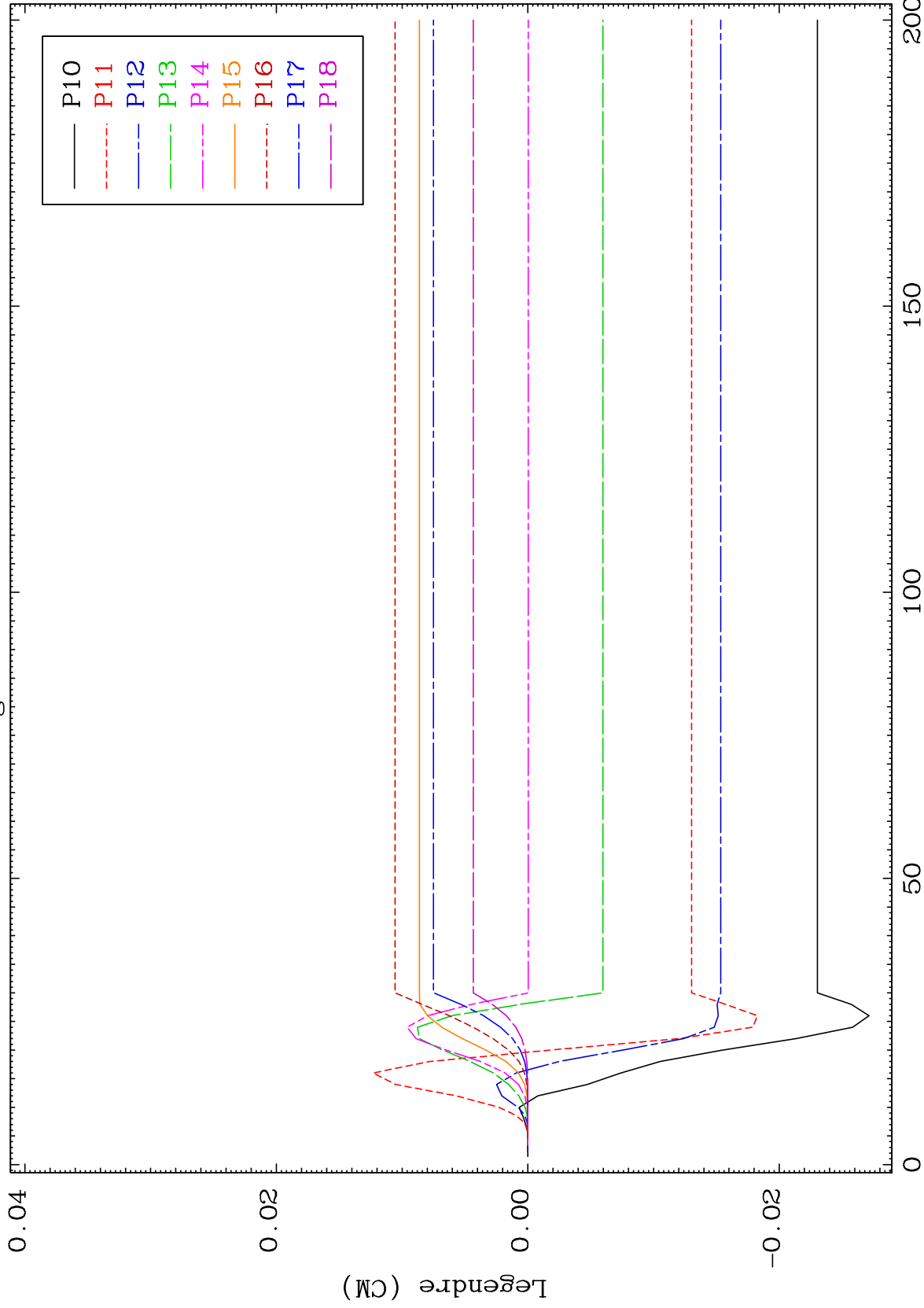
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



24

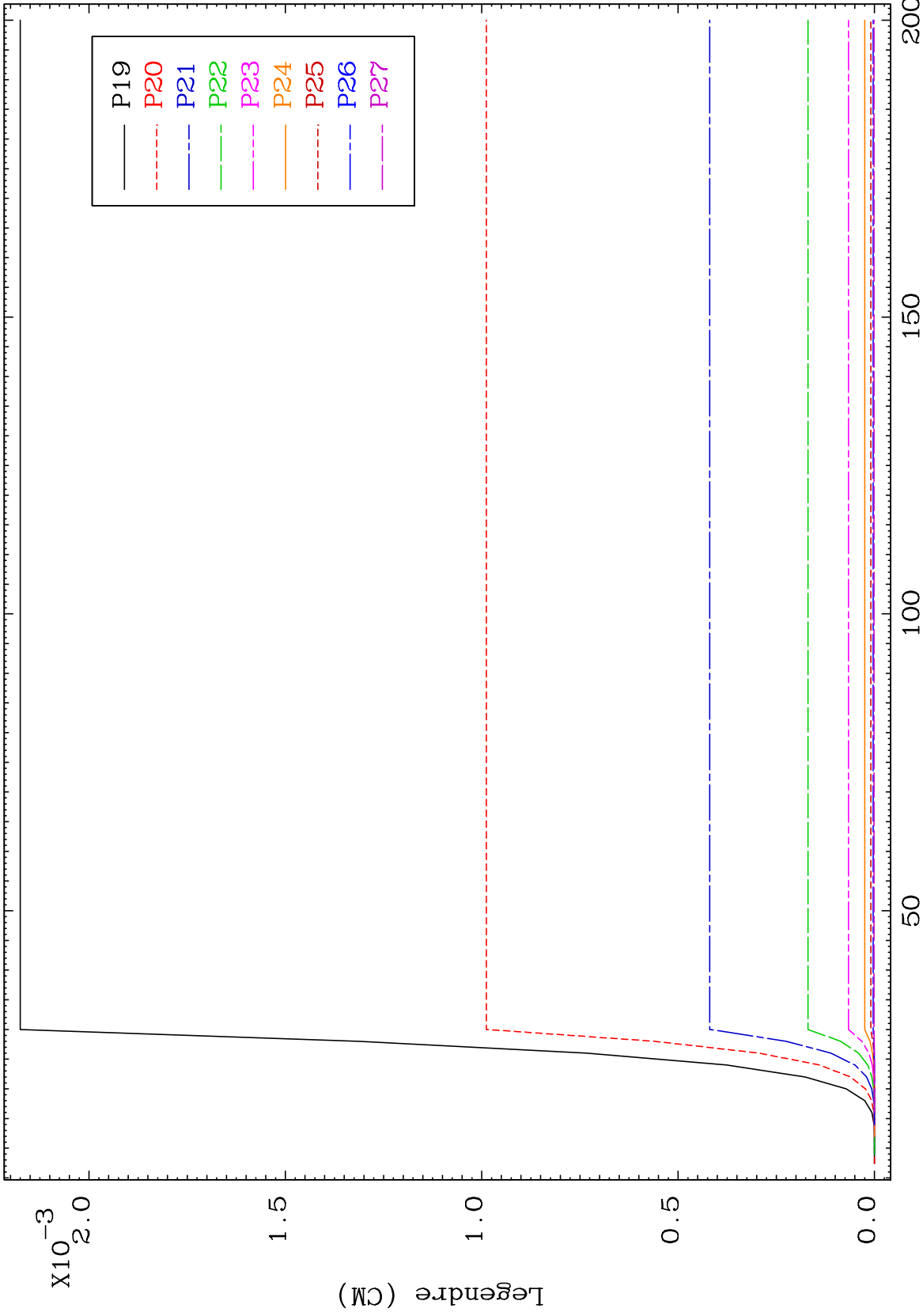
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



25

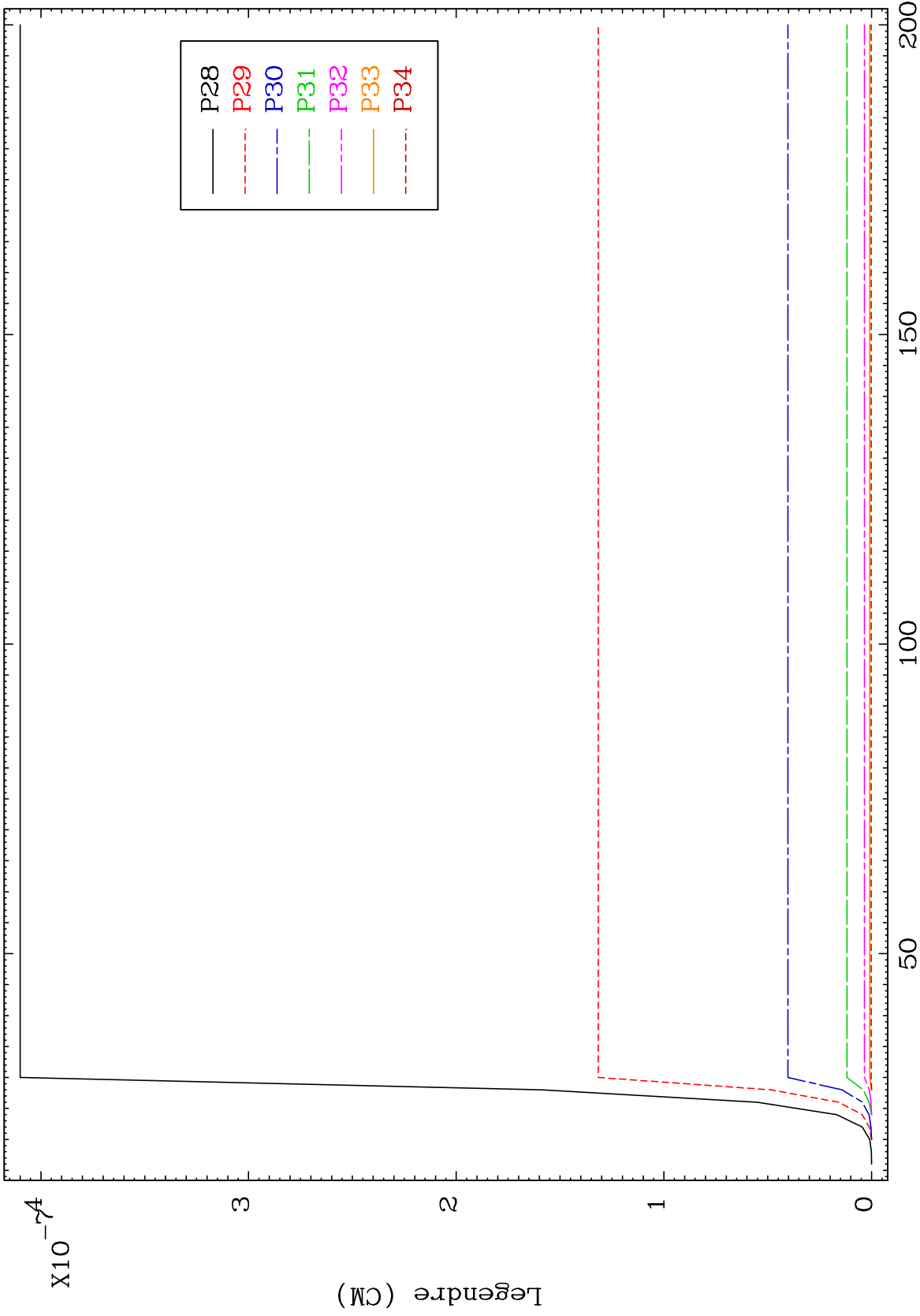
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



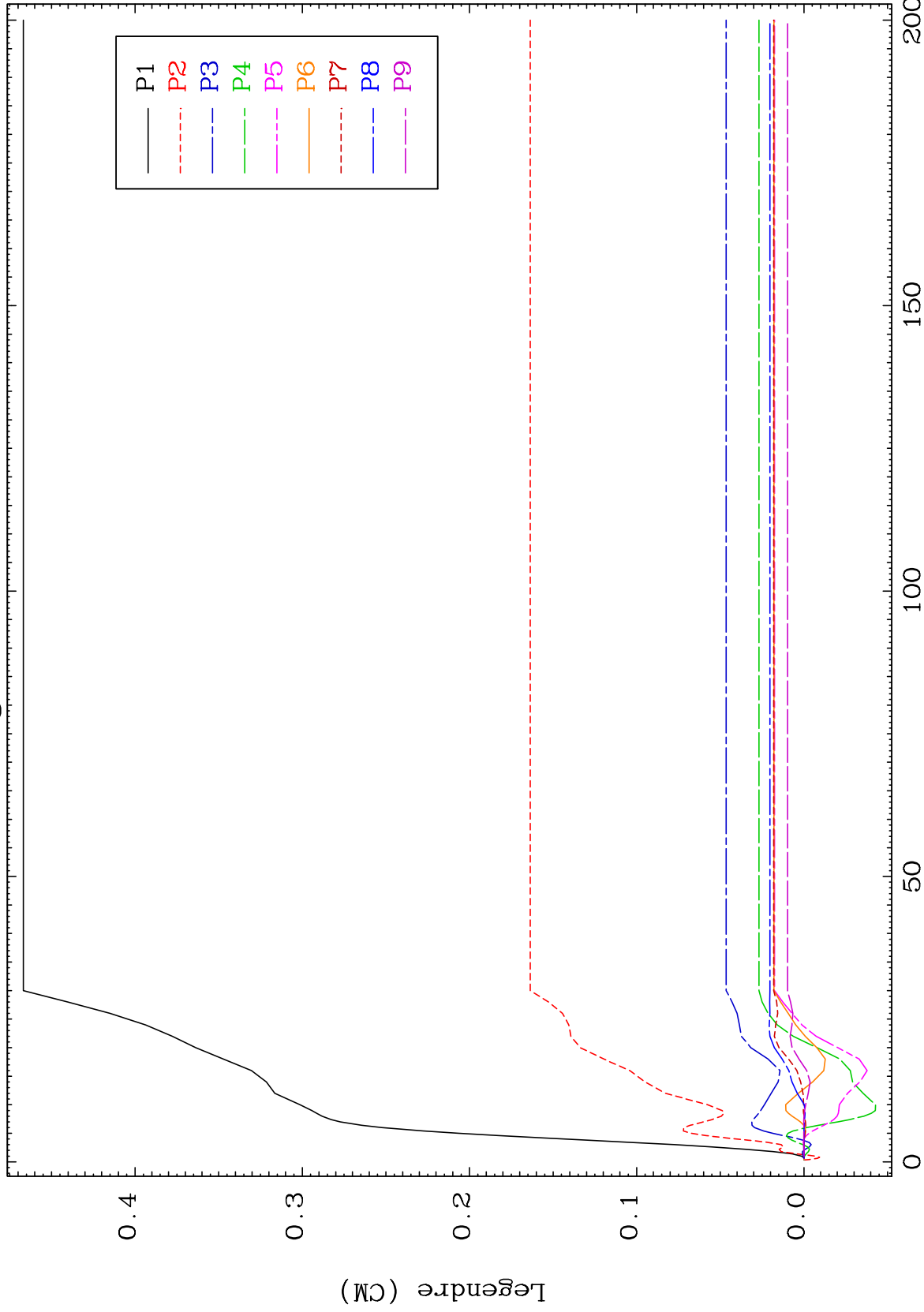
26

37-Rb-77

MAT 3701

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

37-Rb-77



27

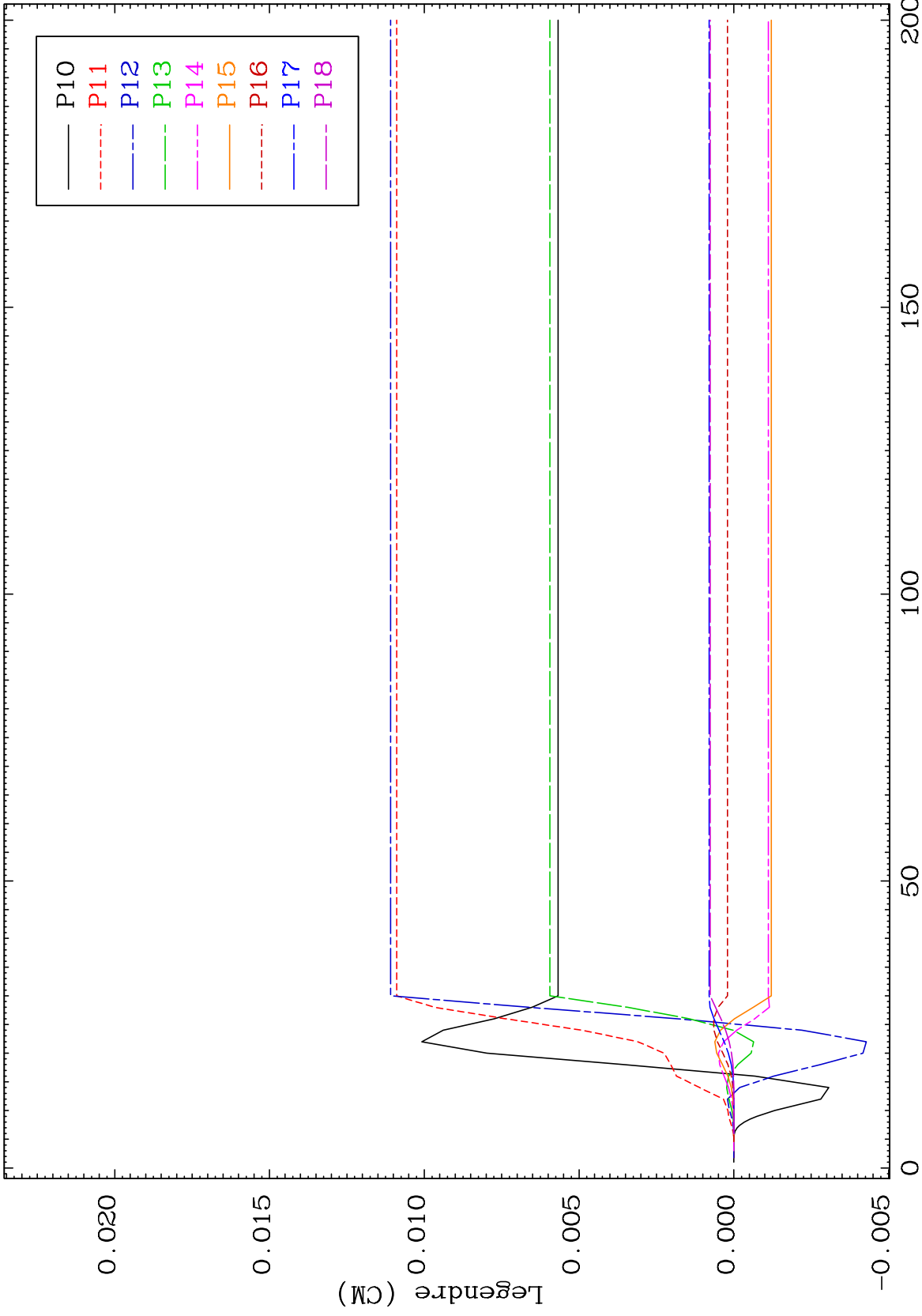
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

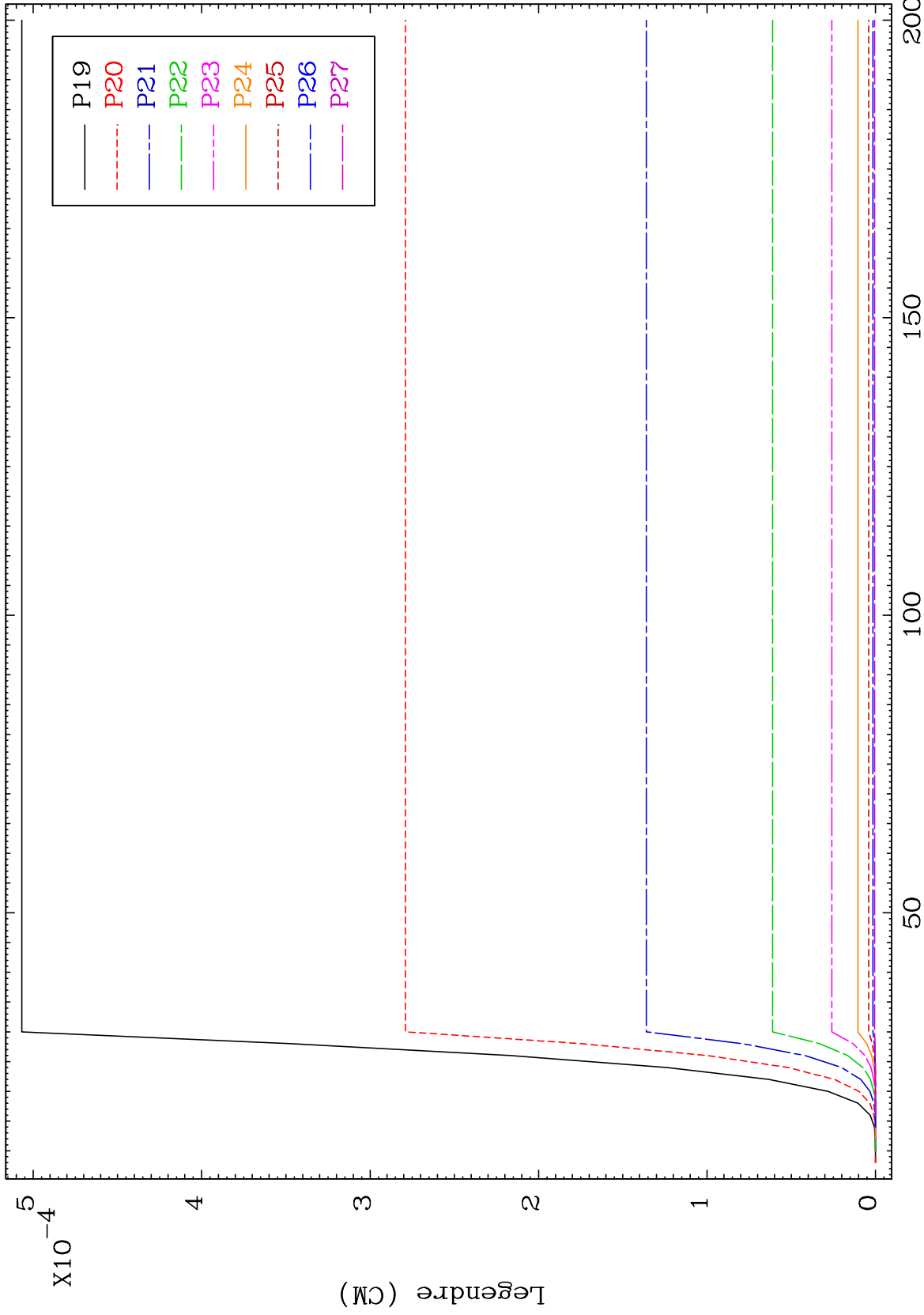
37-Rb-77



28

Incident Energy (MeV)

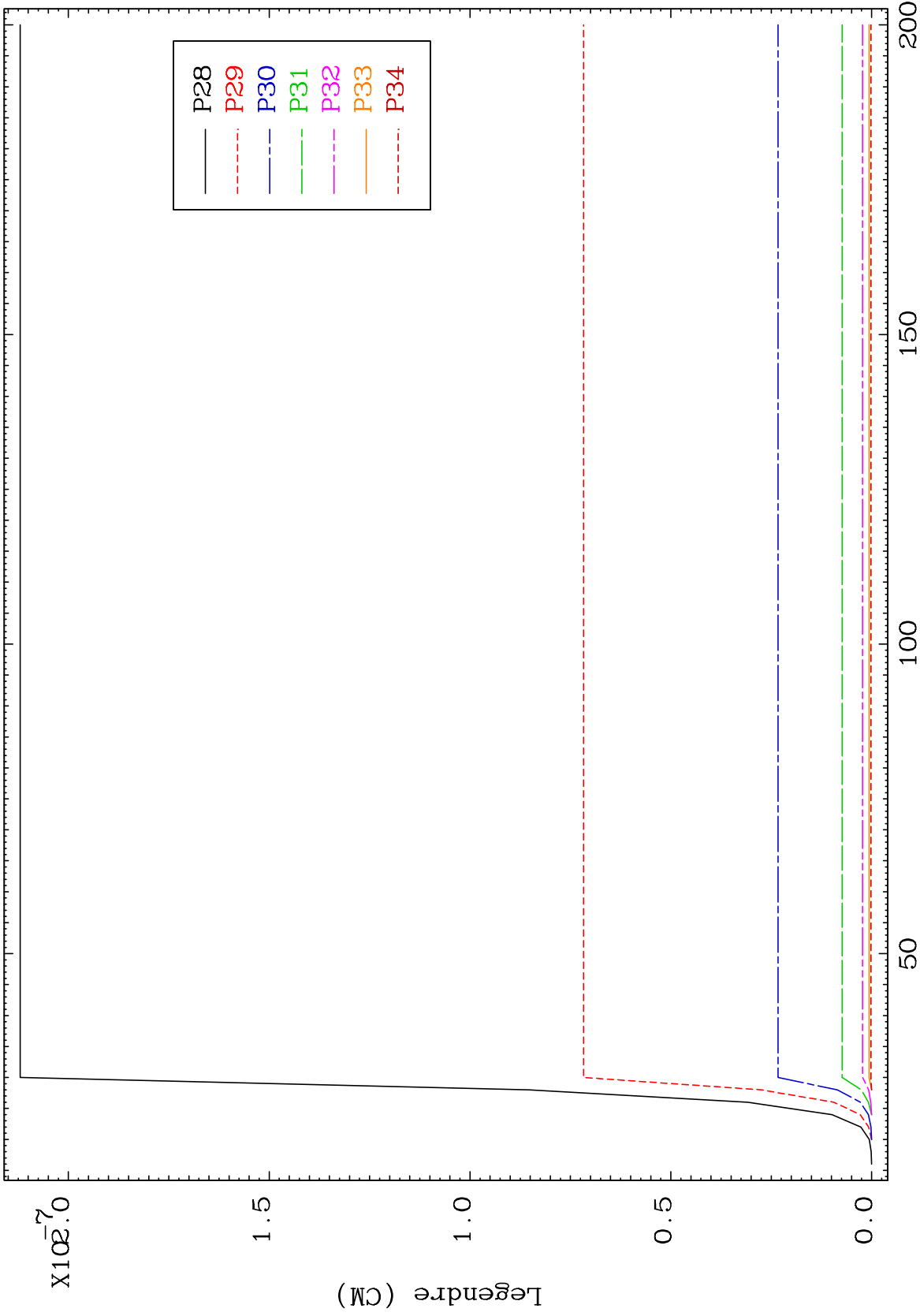
37-Rb-77



MAT 3701

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

37-Rb-77



30

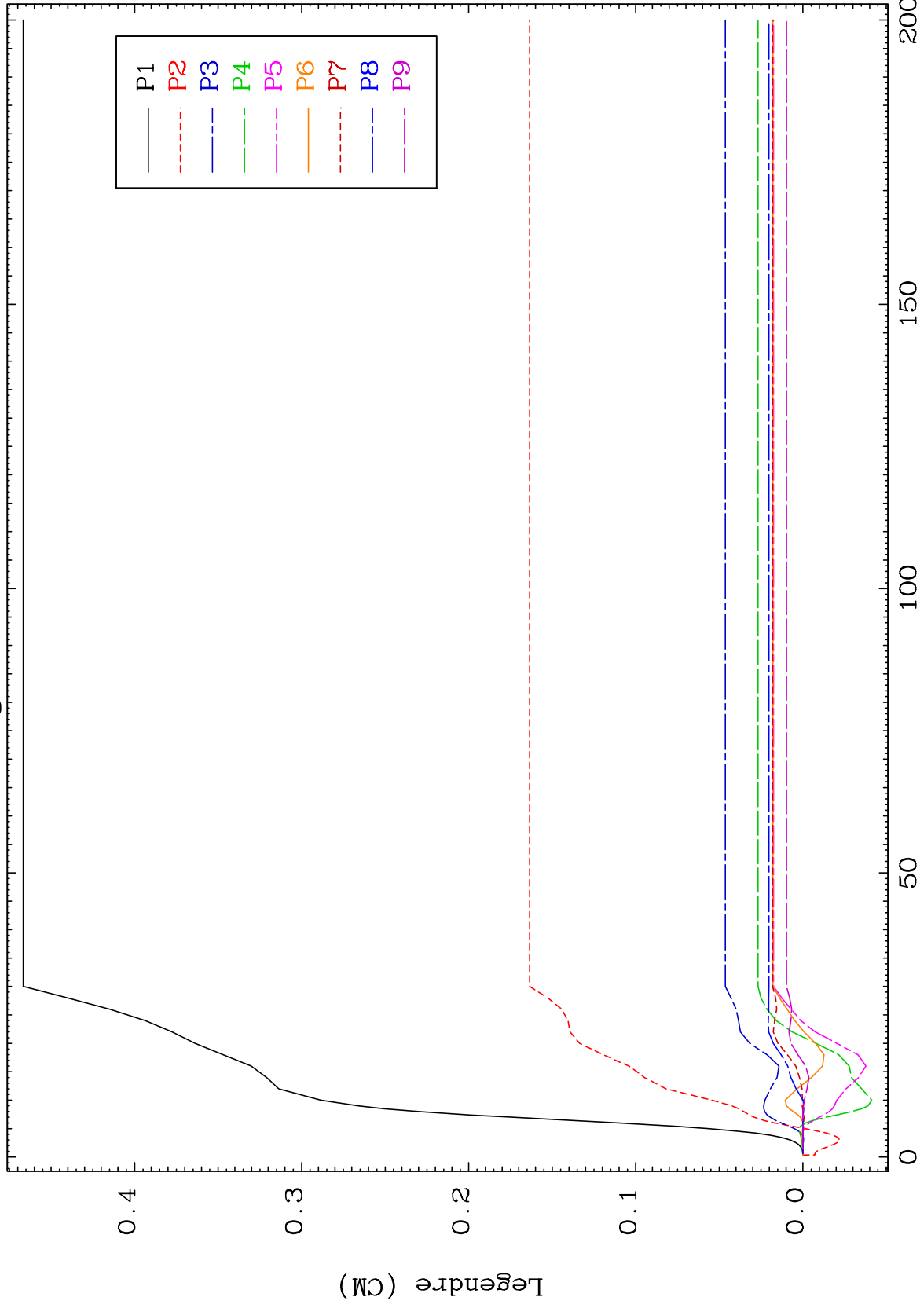
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



31

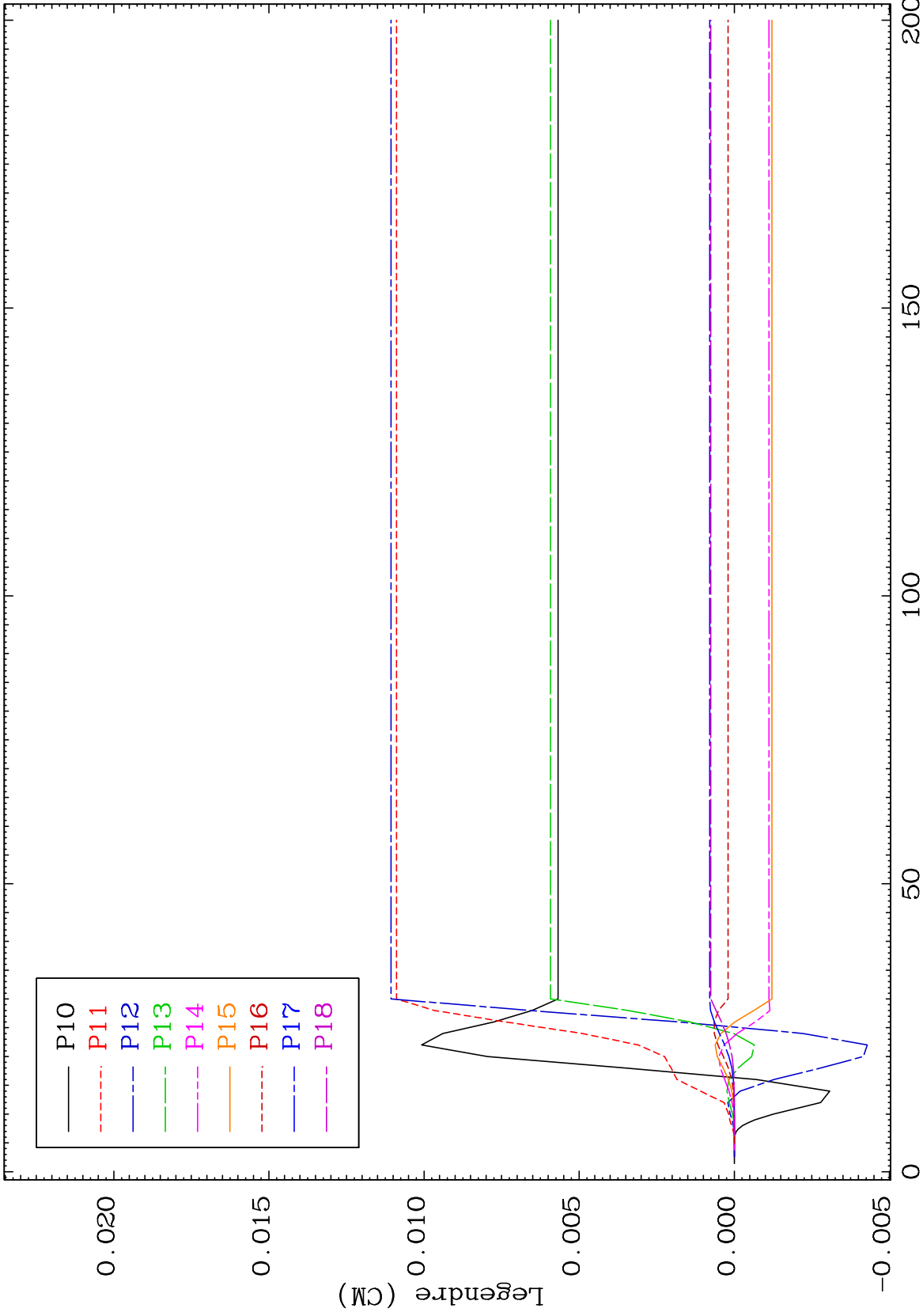
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



32

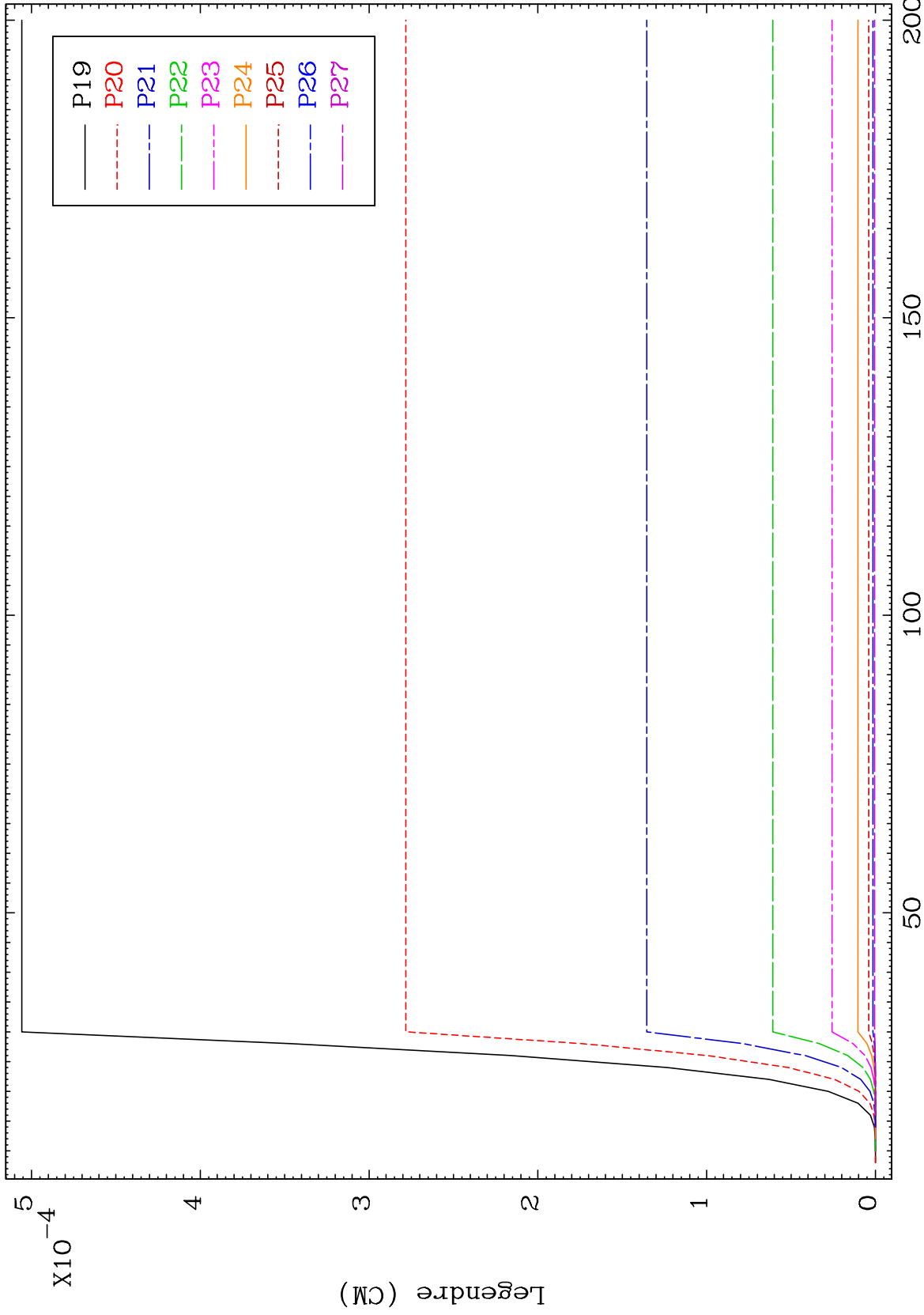
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



33

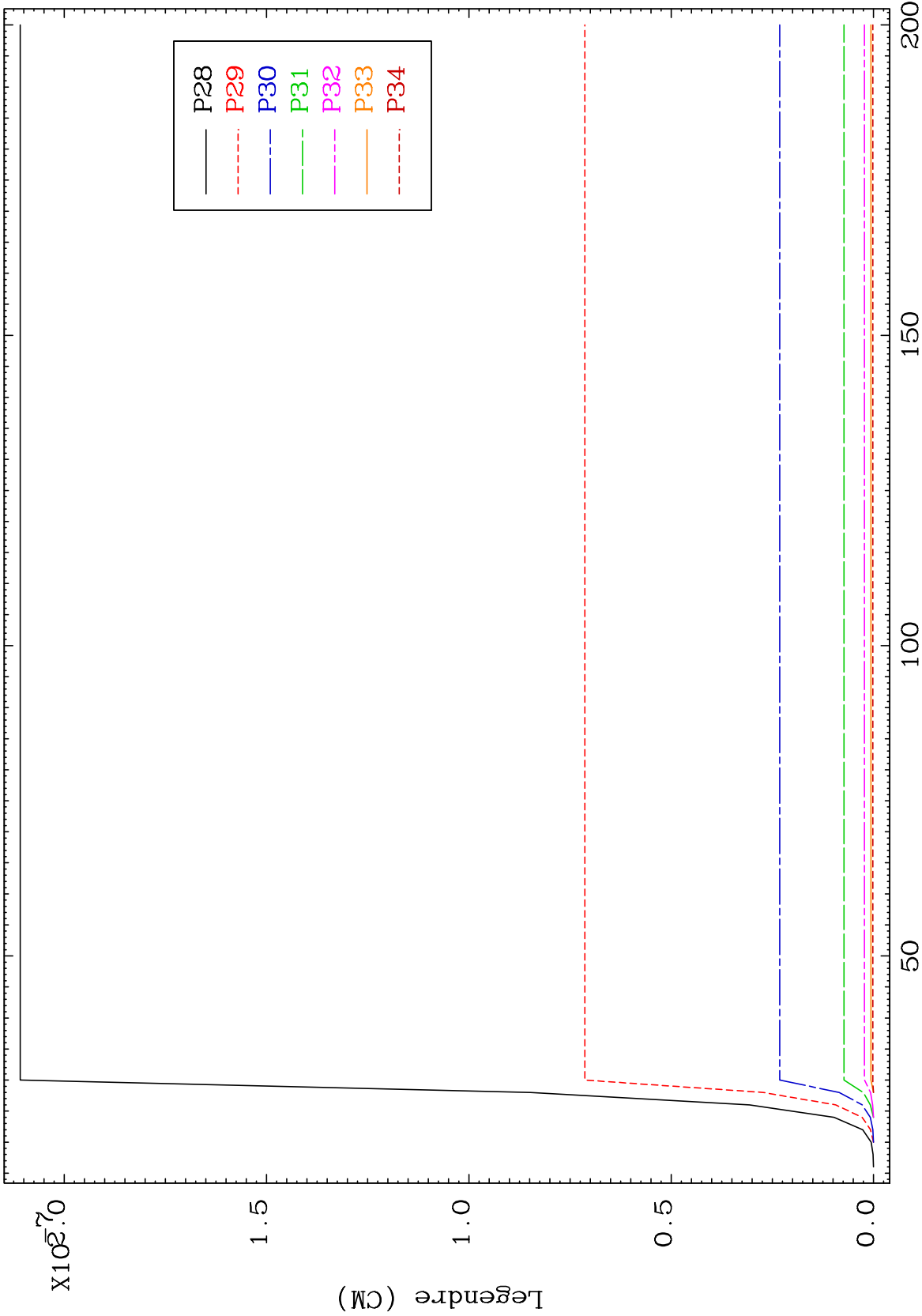
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



34

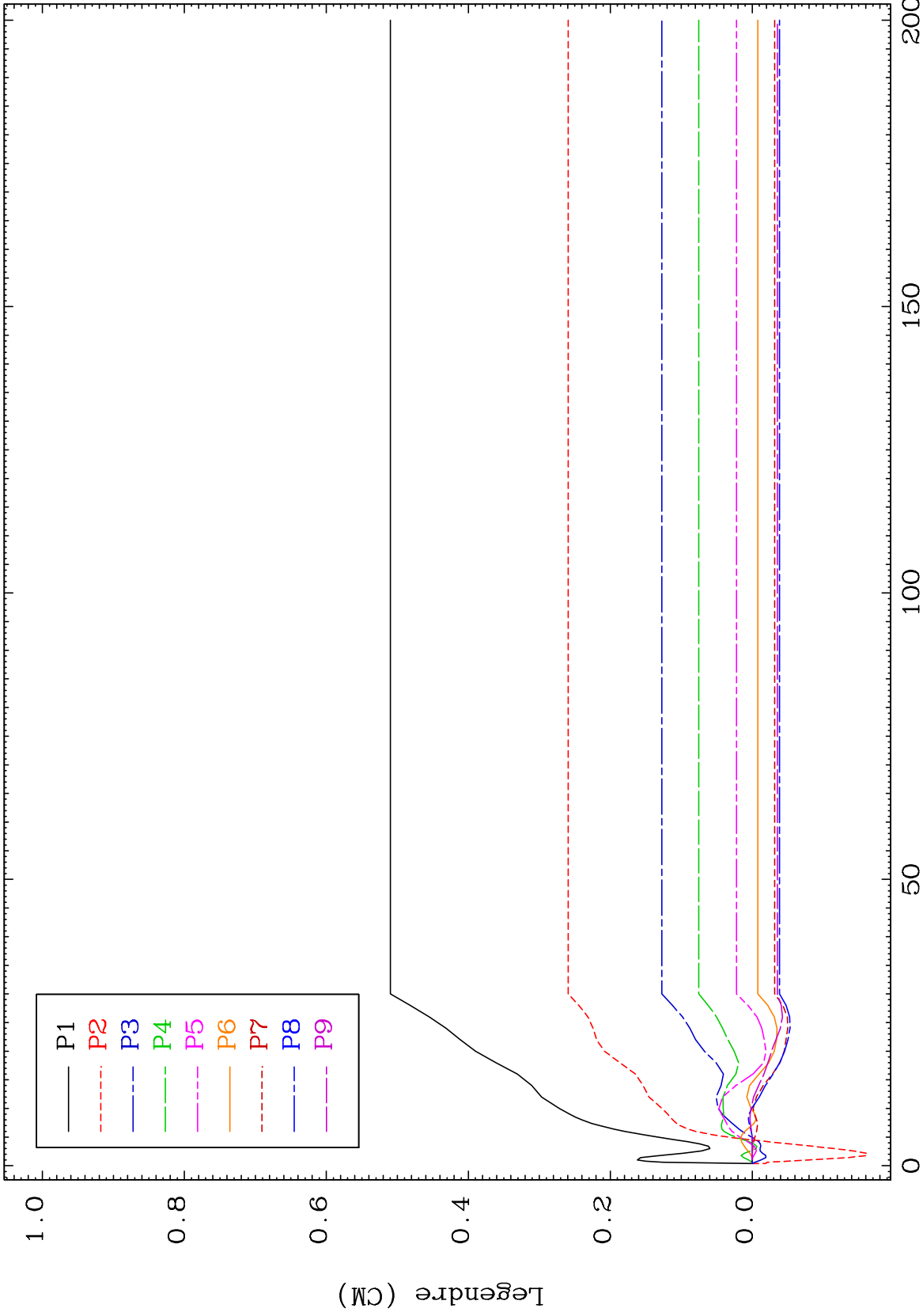
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77

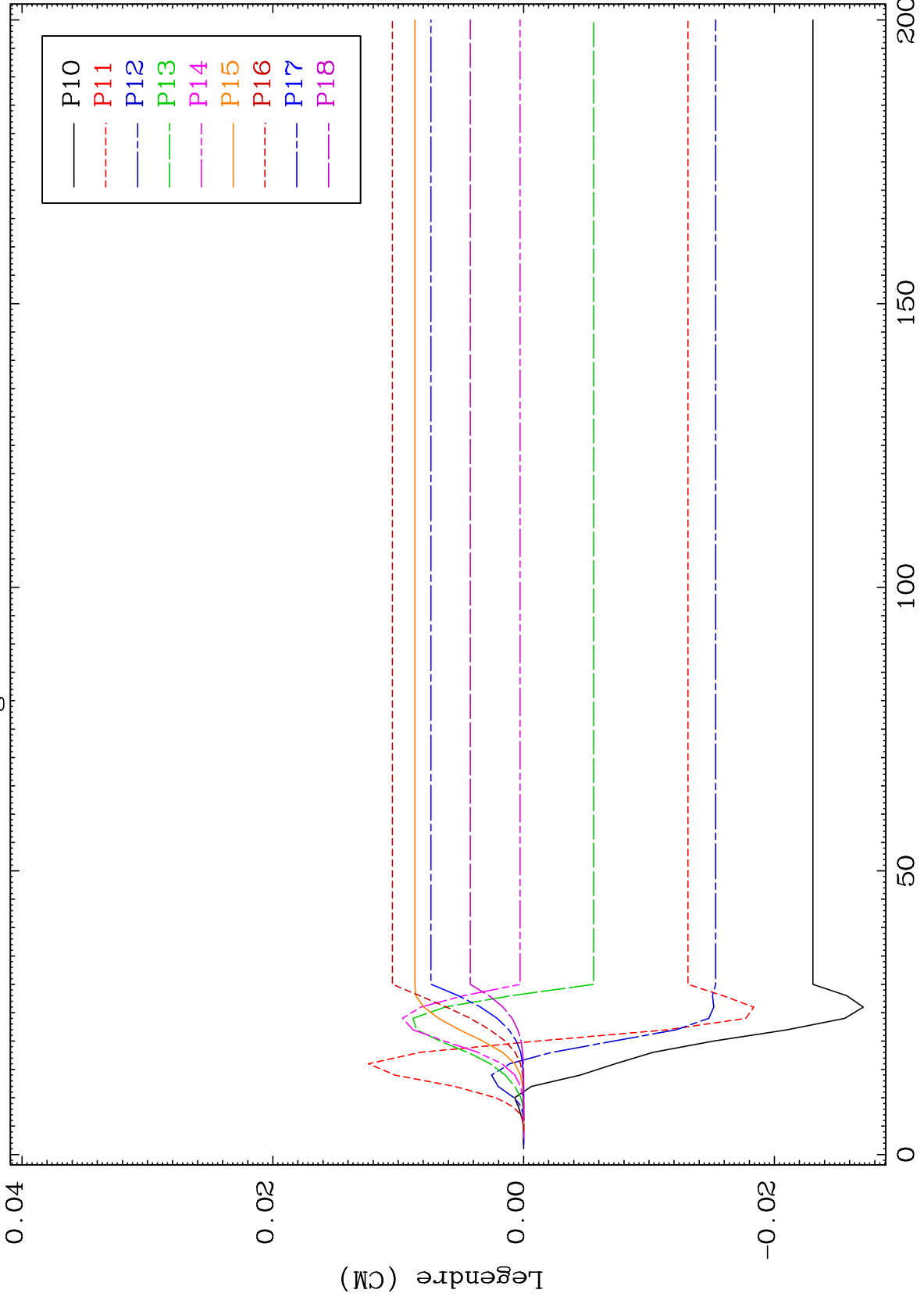


35

Incident Energy (MeV)

37-Rb-77

MAT 3701 MT= 55 (n,n') Level Legendre Coefficients 37-Rb-77

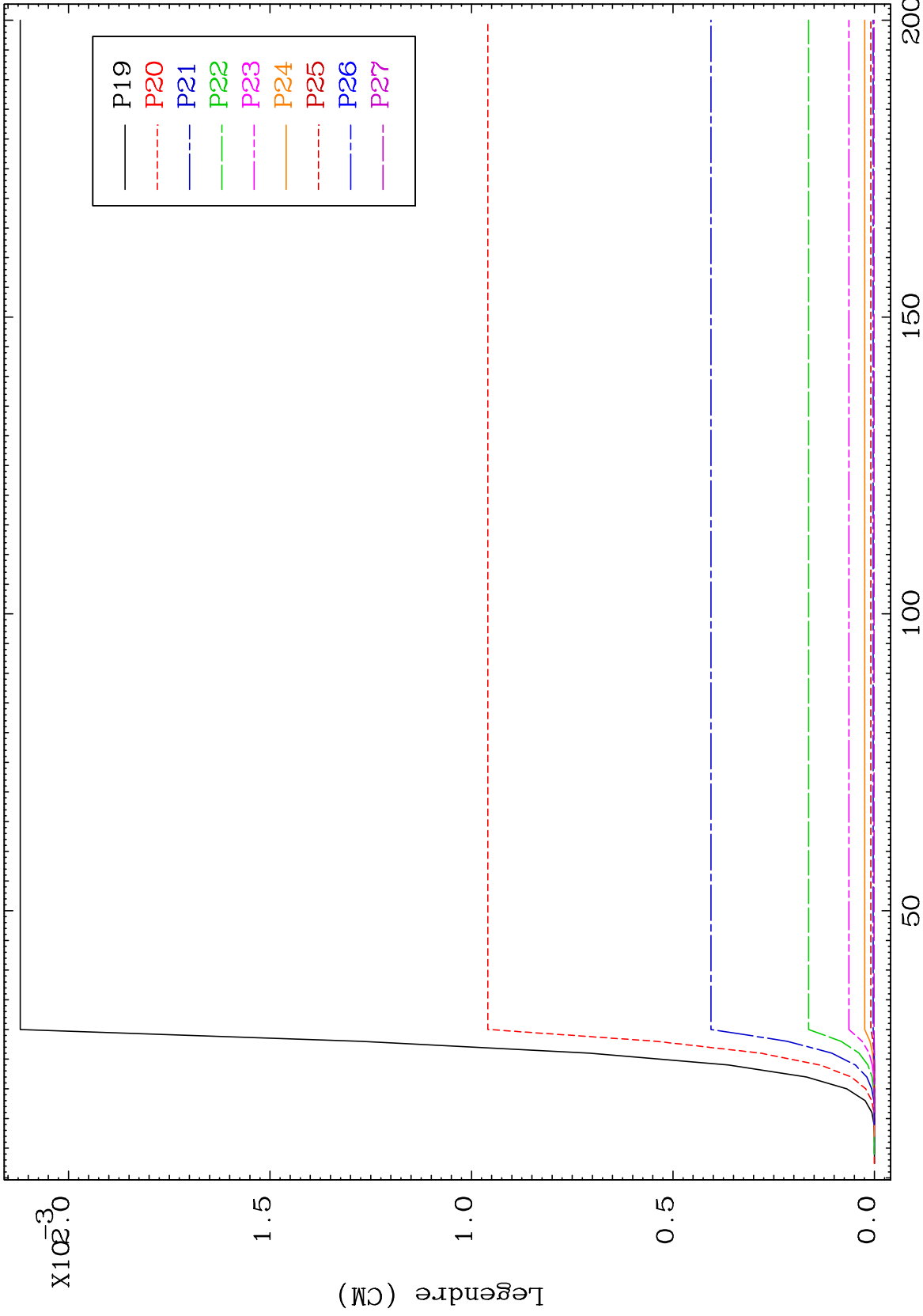


36 37-Rb-77

MAT 3701

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

37-Rb-77



37

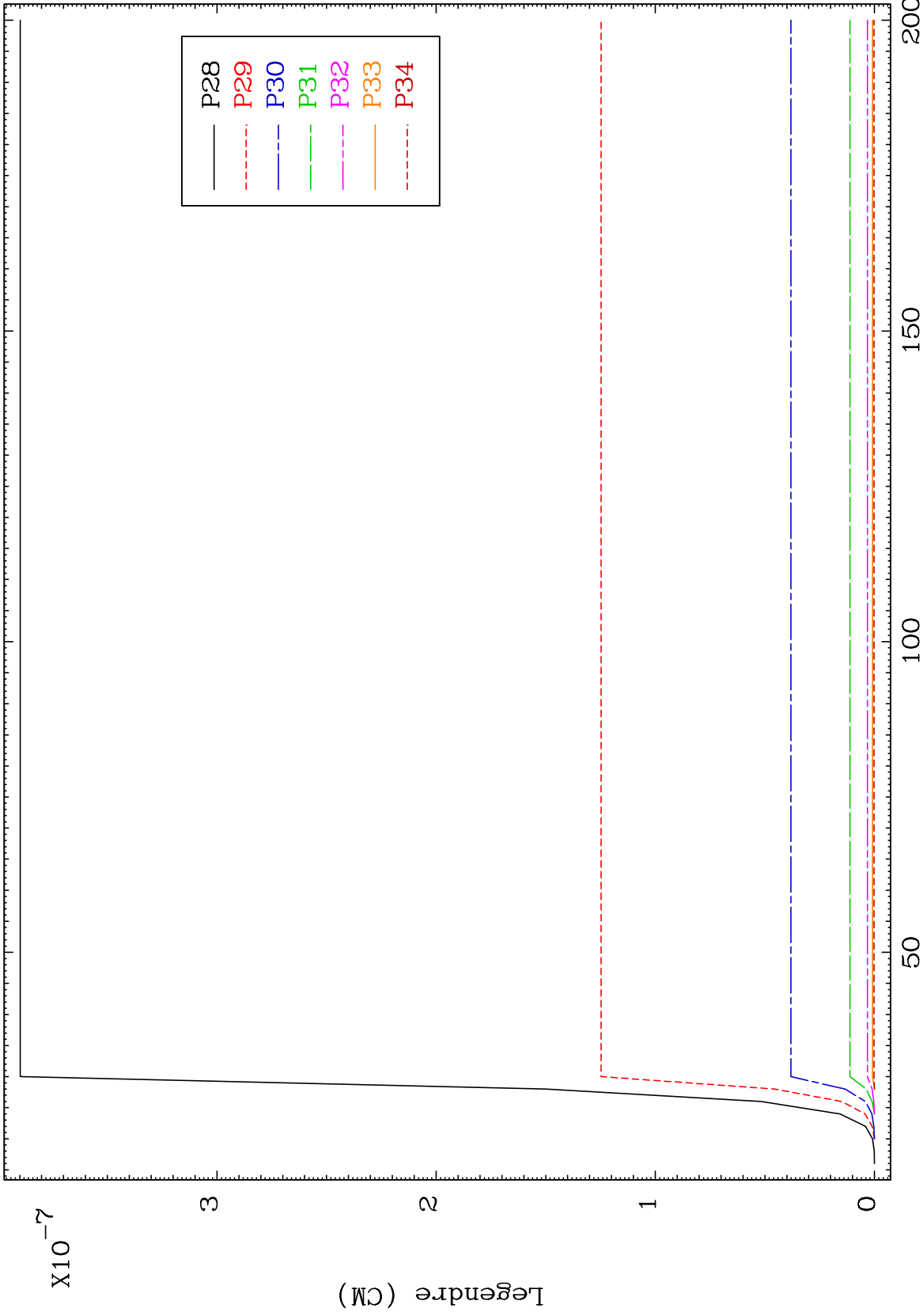
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



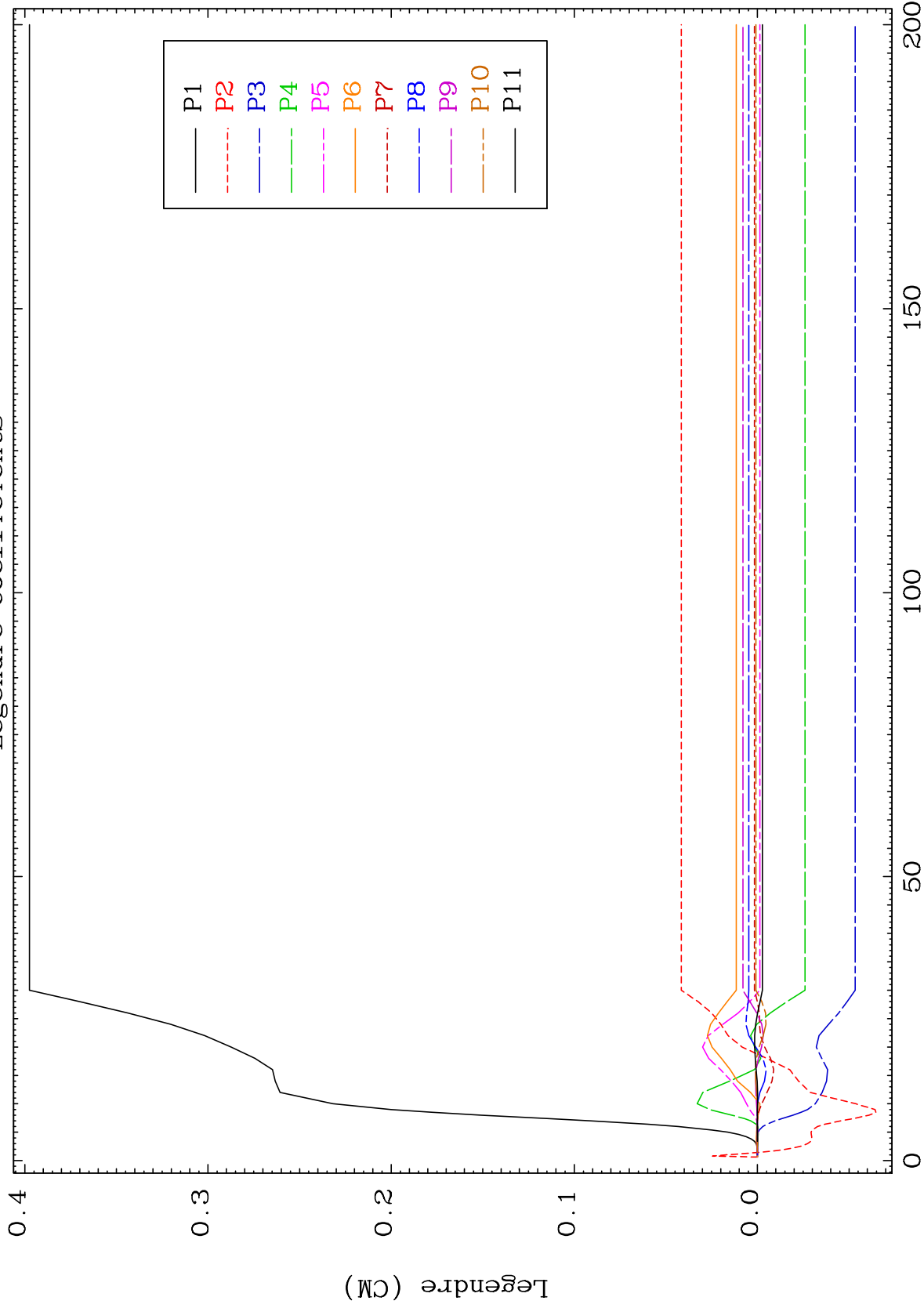
38

37-Rb-77

MAT 3701

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

37-Rb-77



39

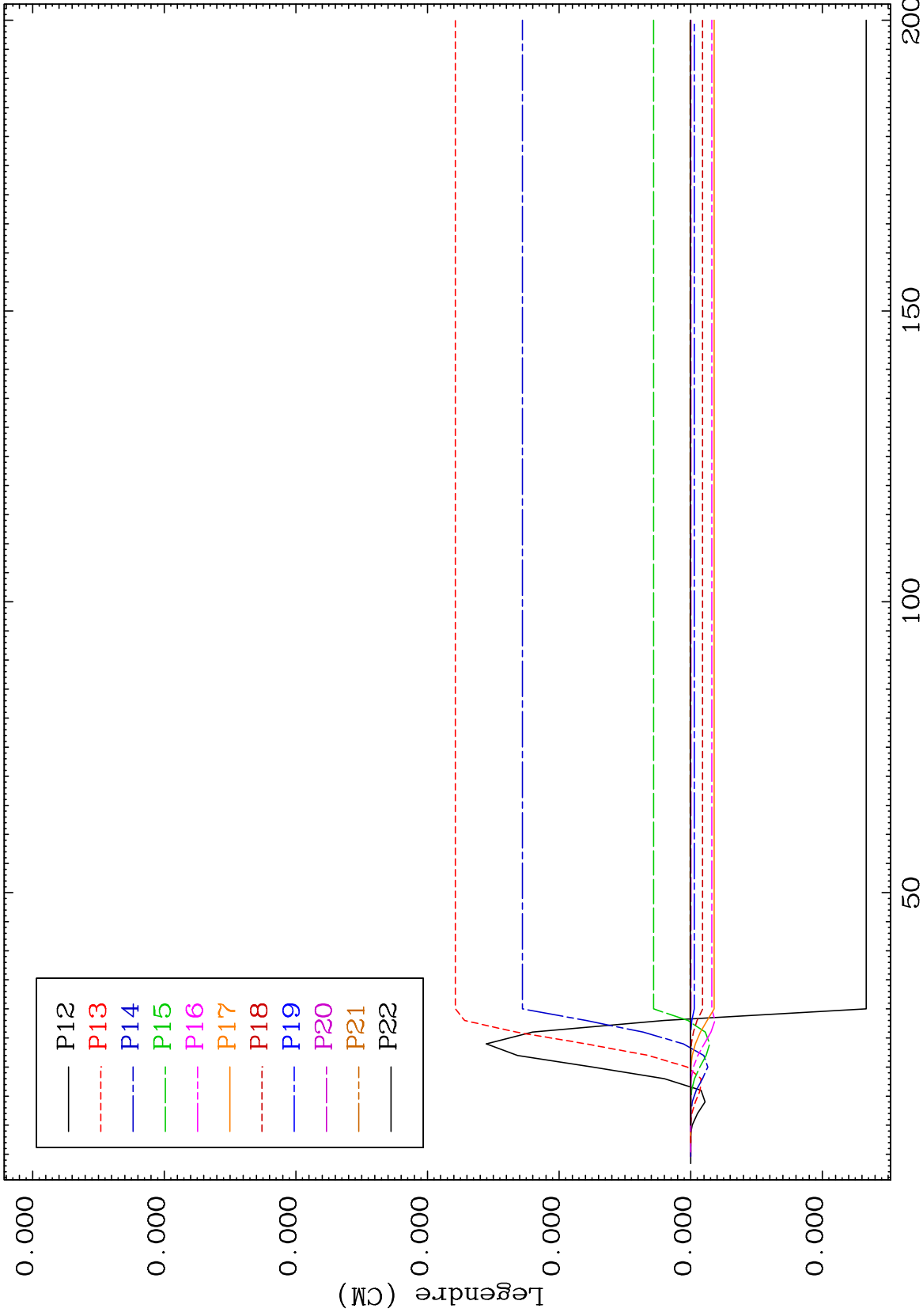
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



40

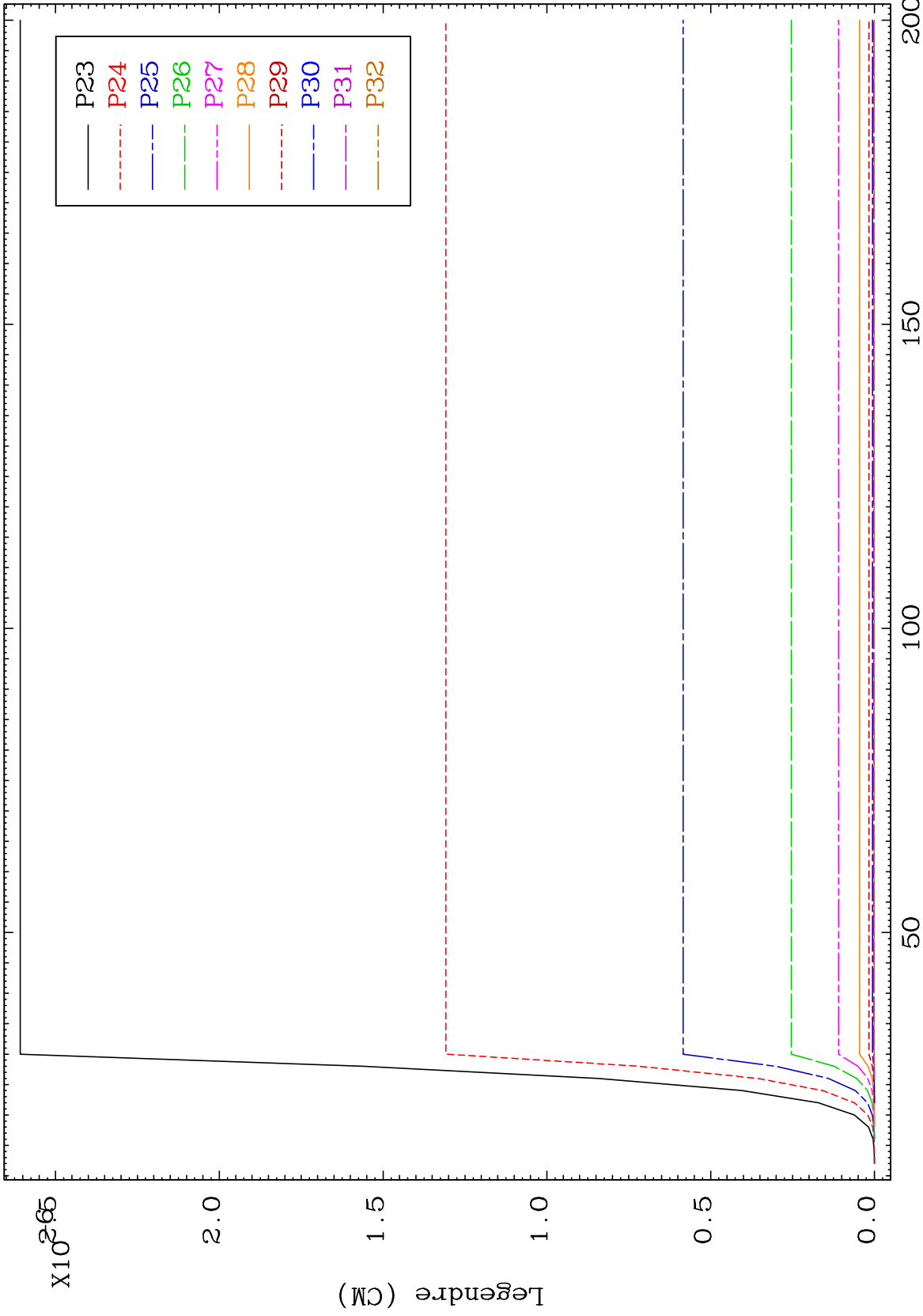
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



41

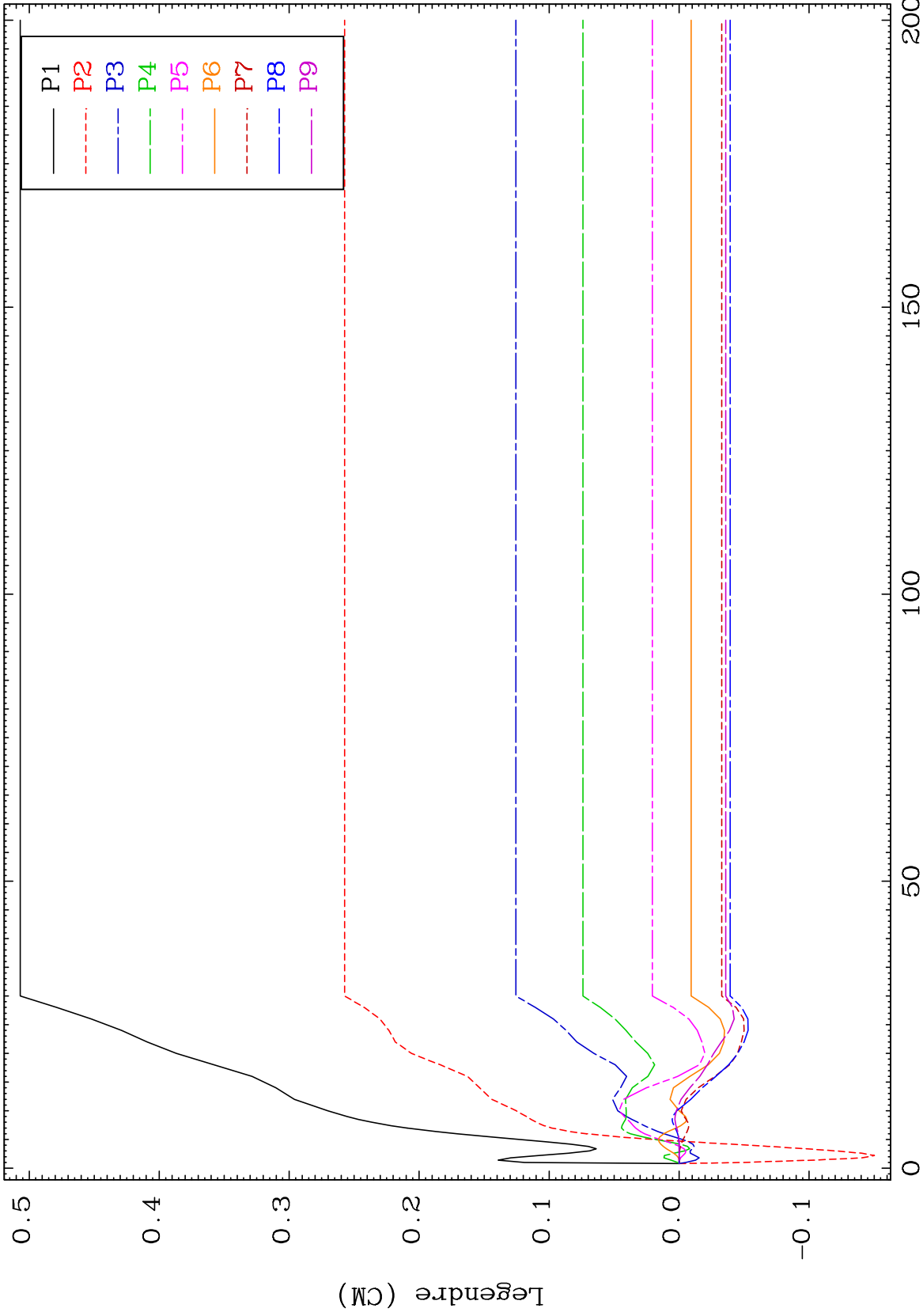
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



42

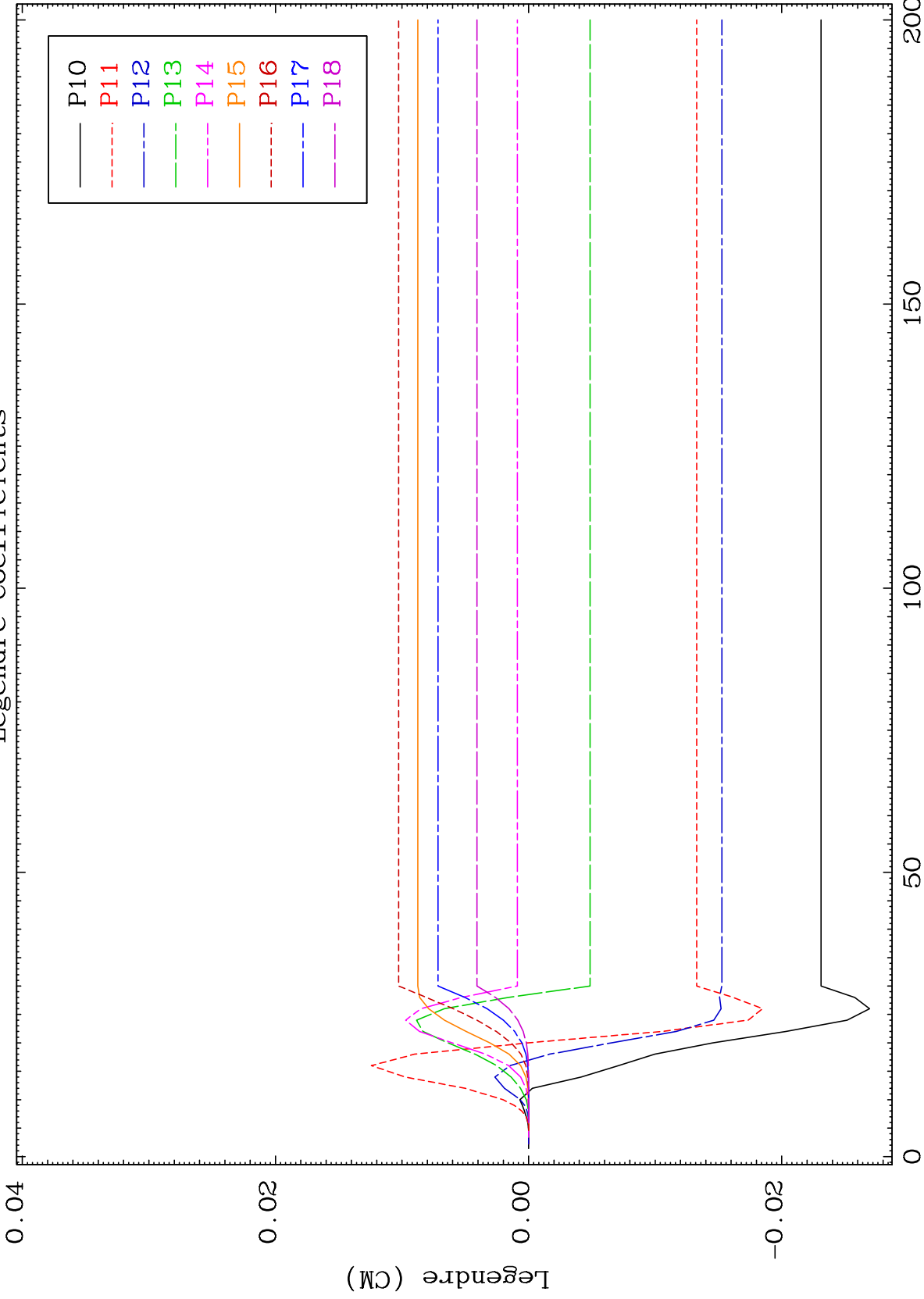
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

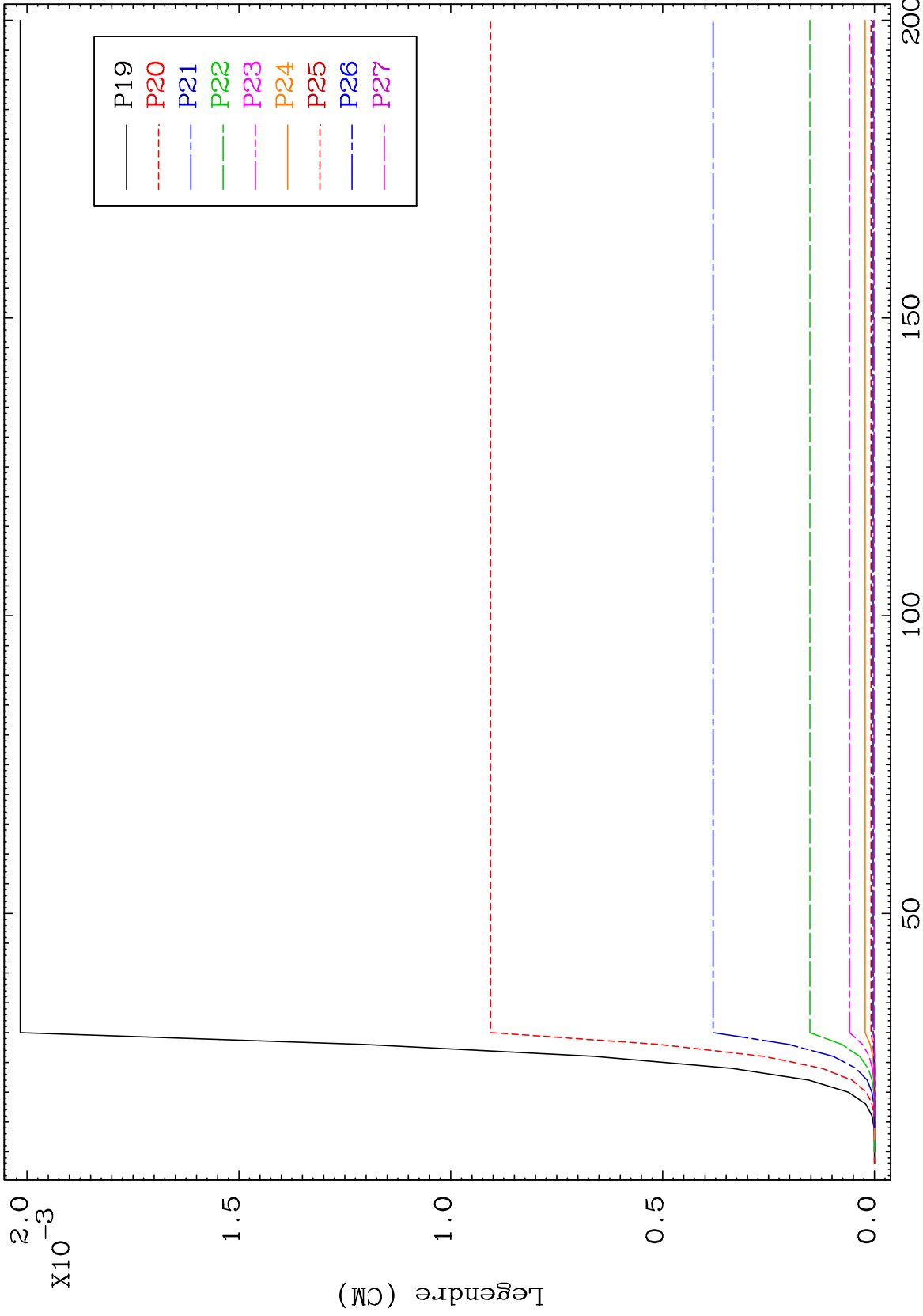
37-Rb-77



43

Incident Energy (MeV)

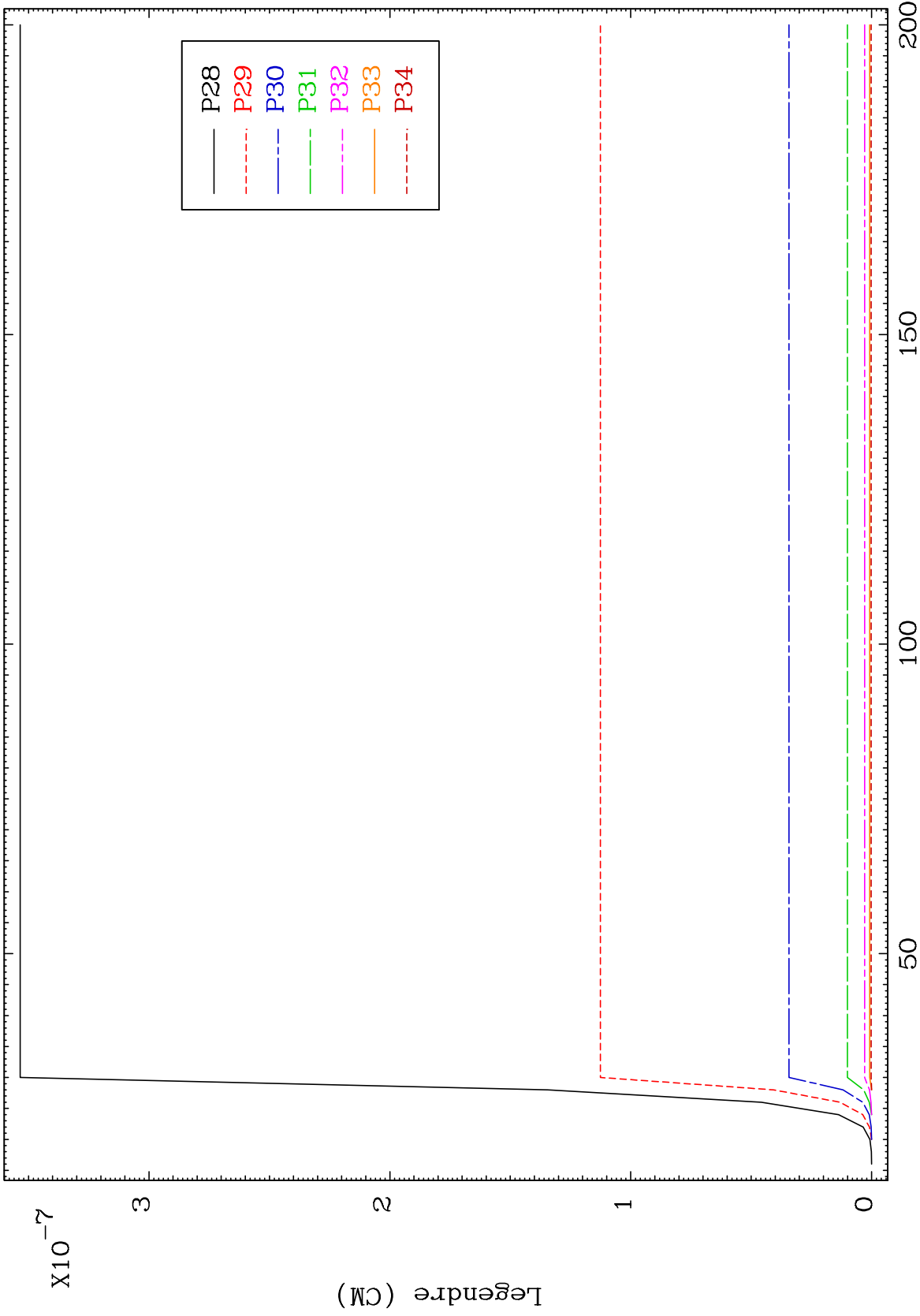
37-Rb-77



MAT 3701

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

37-Rb-77



45

Incident Energy (MeV)

50

100

150

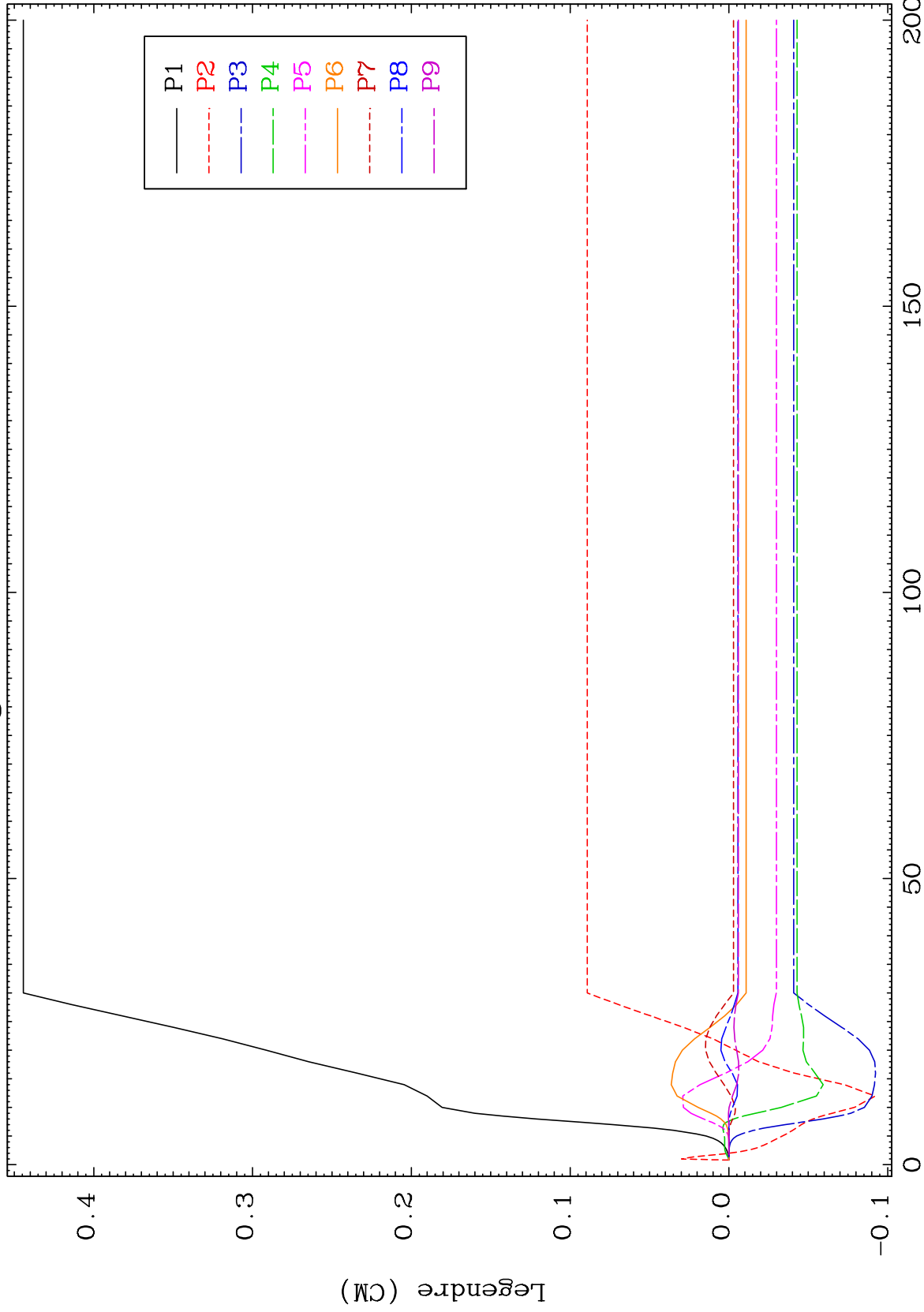
200

37-Rb-77

MAT 3701

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

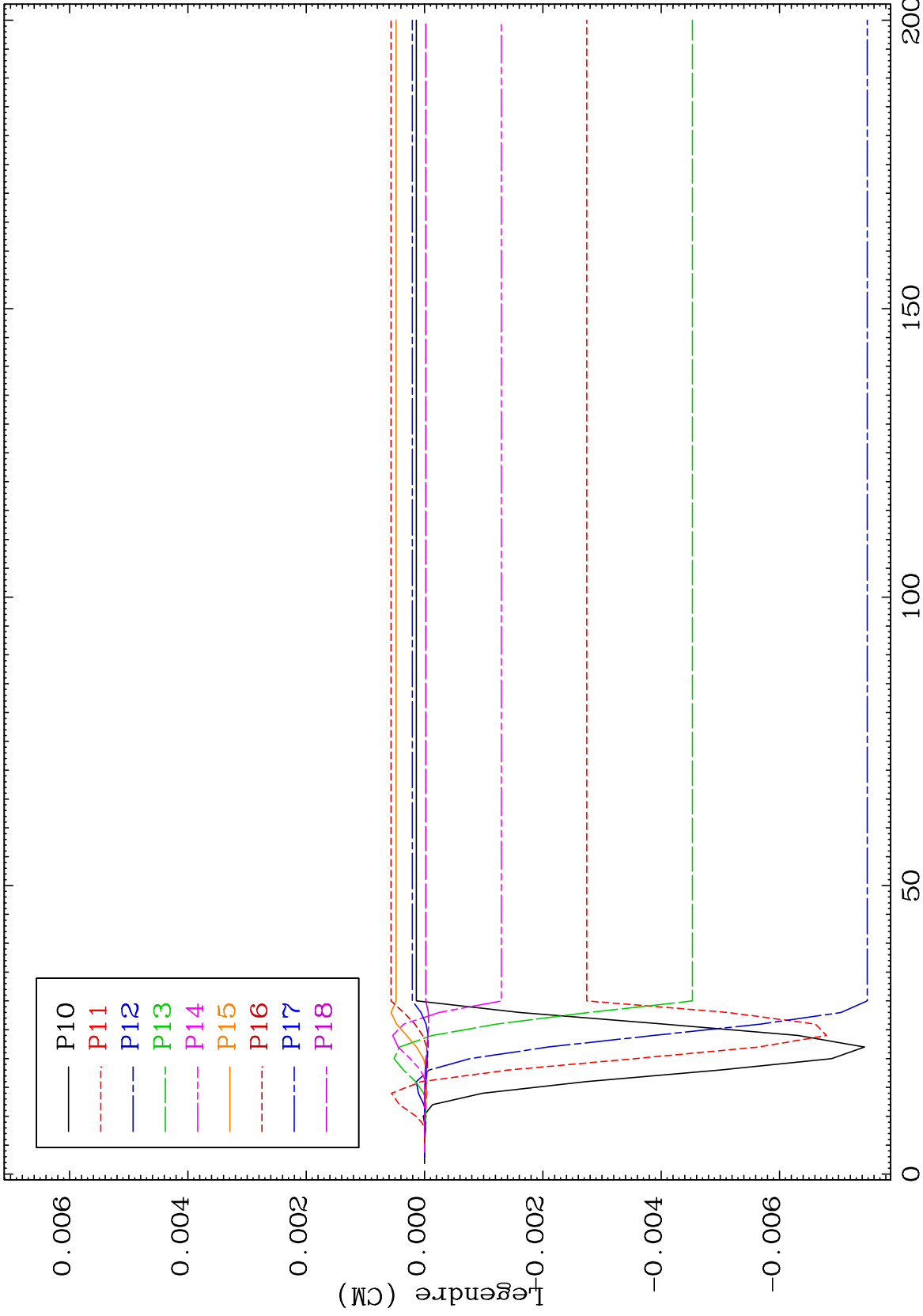
37-Rb-77



46

Incident Energy (MeV)

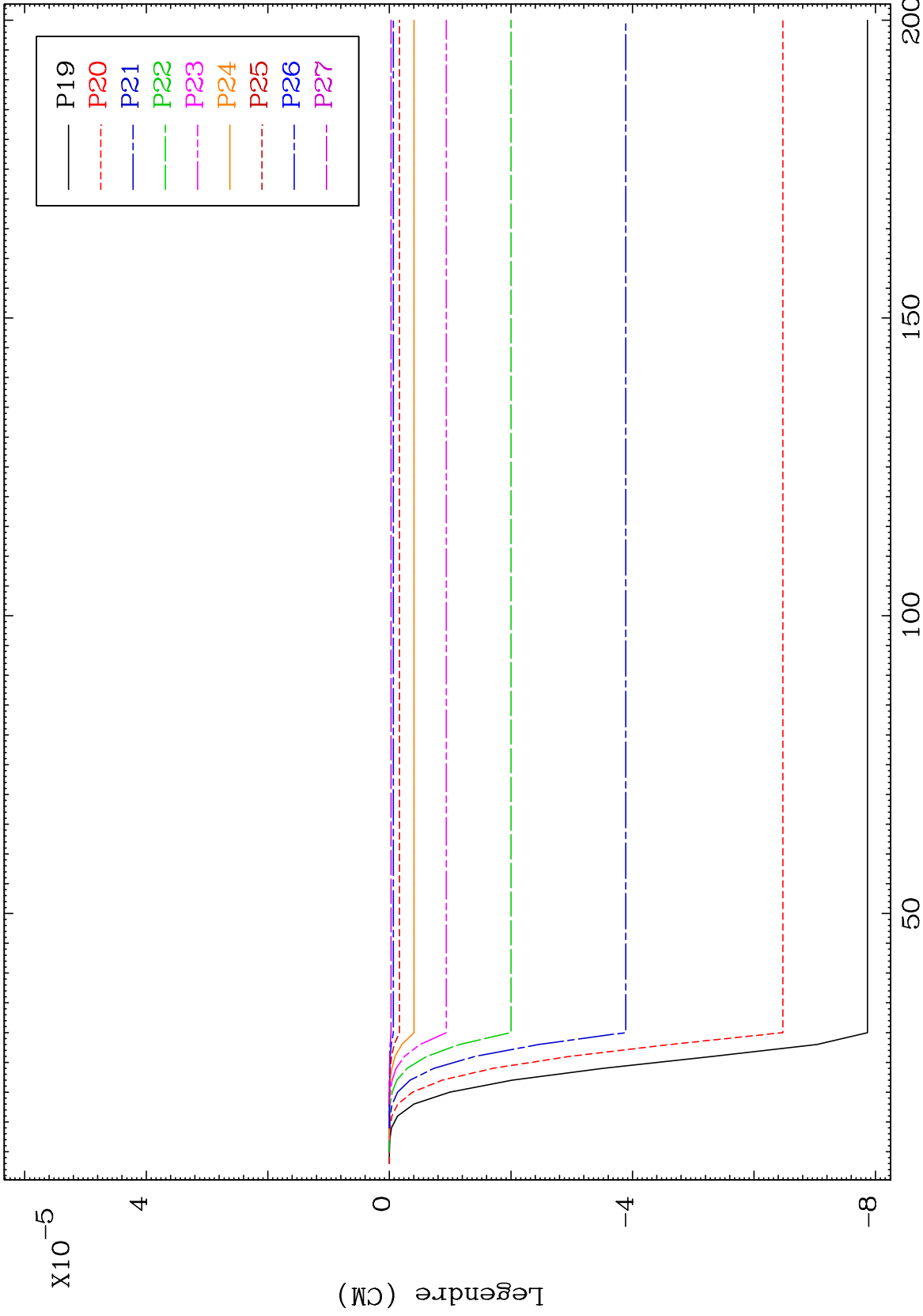
37-Rb-77



MAT 3701

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

37-Rb-77



48

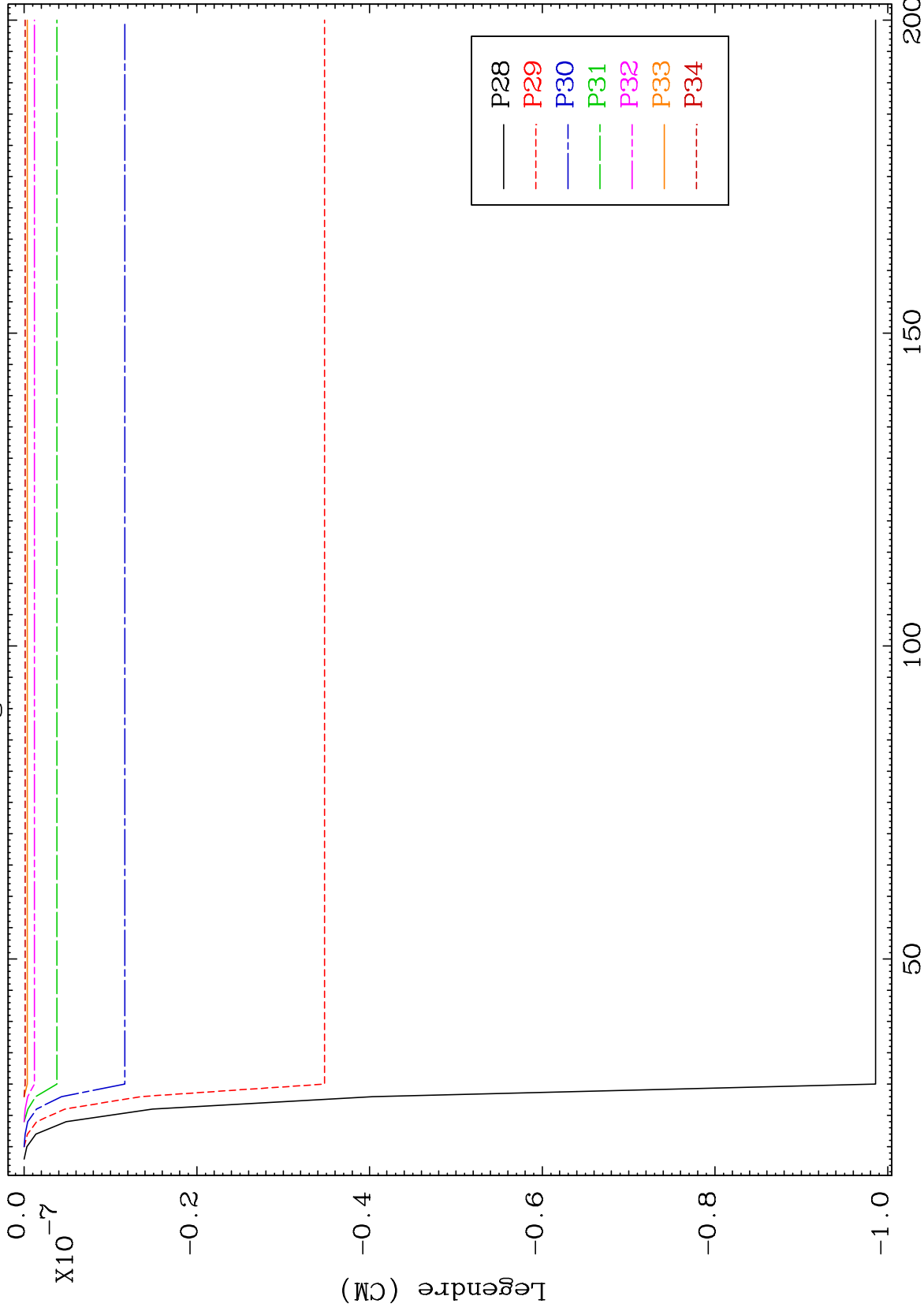
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



49

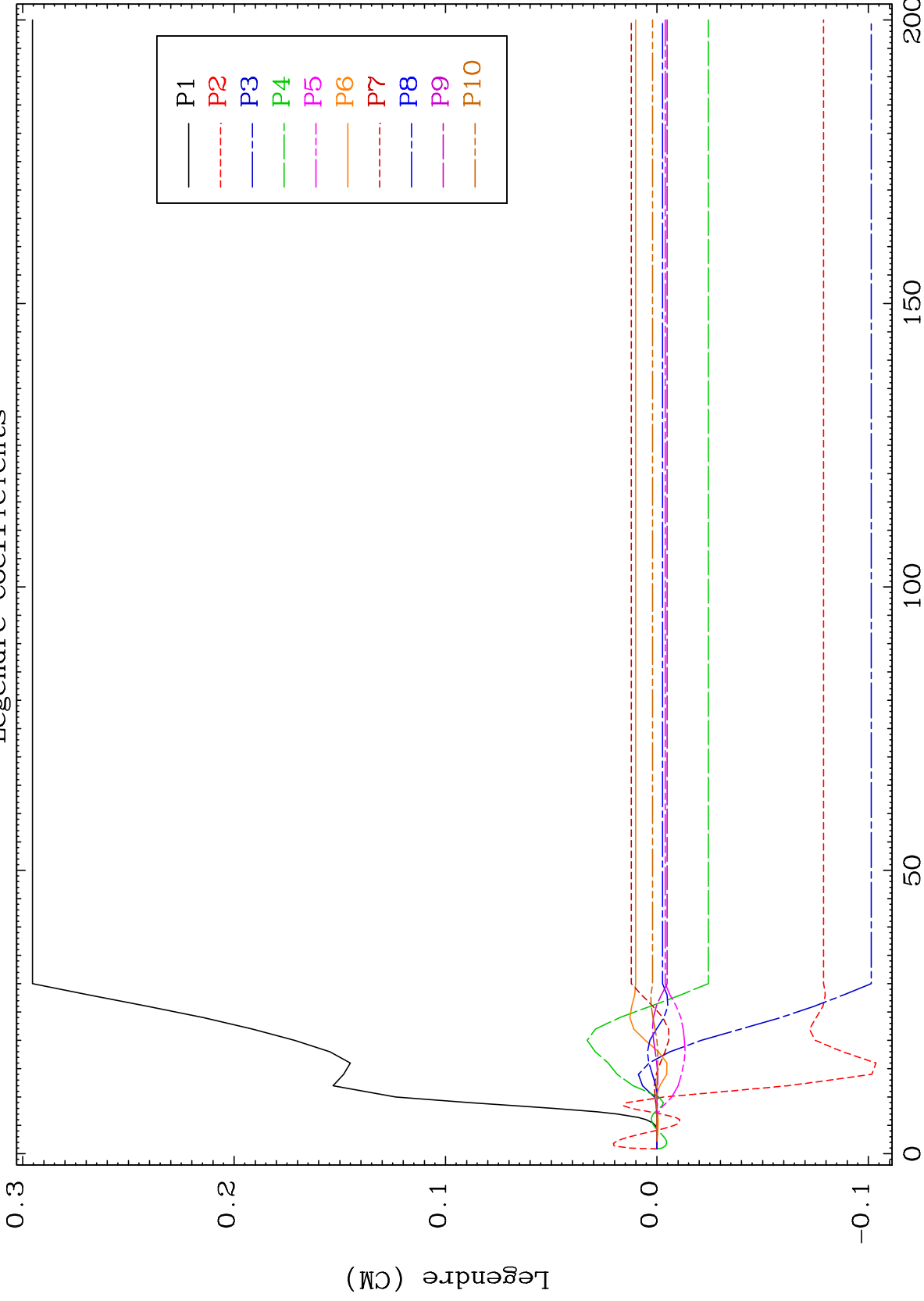
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

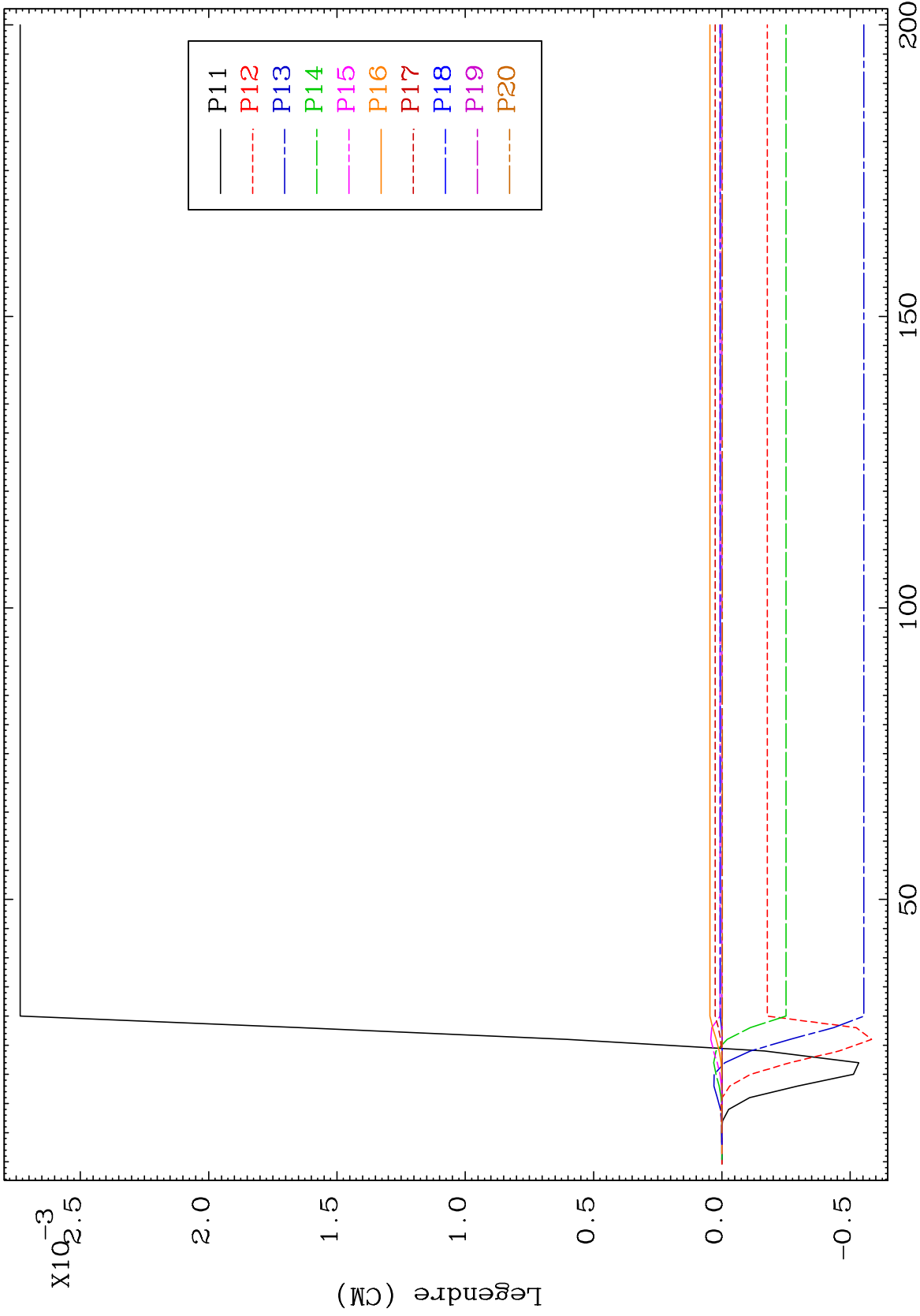
37-Rb-77



37-Rb-77

Incident Energy (MeV)

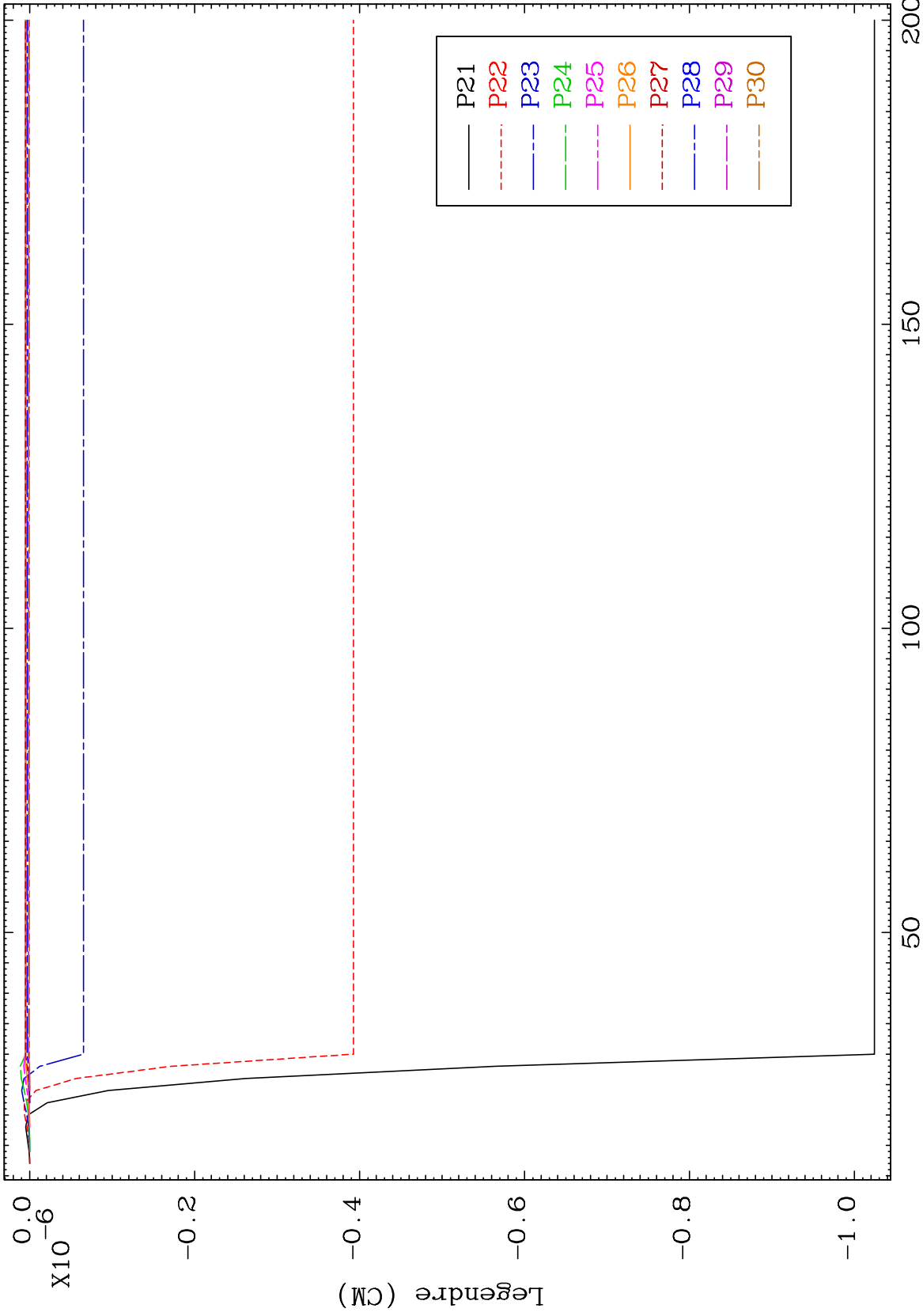
50



MAT 3701

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

37-Rb-77



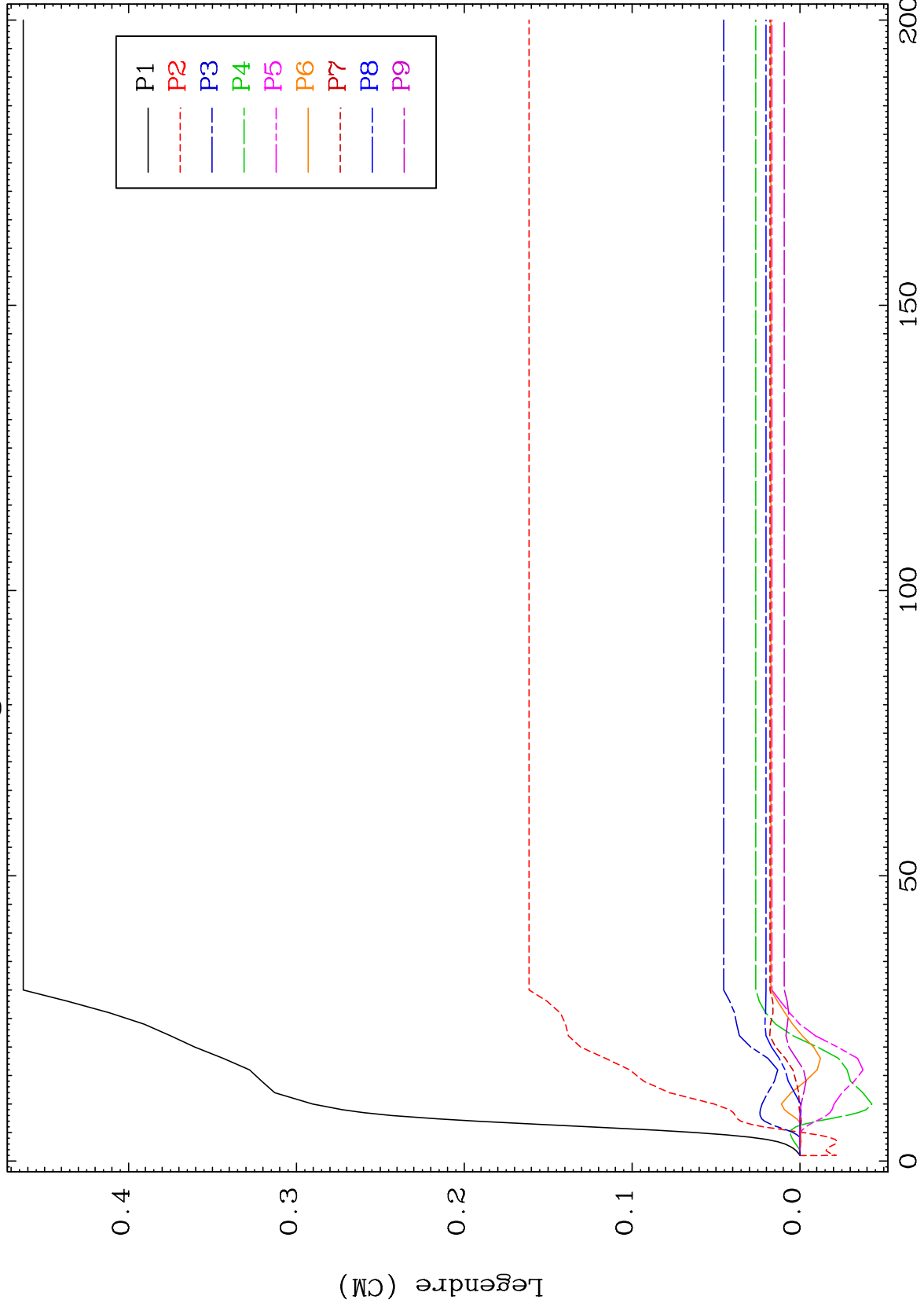
52

37-Rb-77

MAT 3701

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

37-Rb-77



53

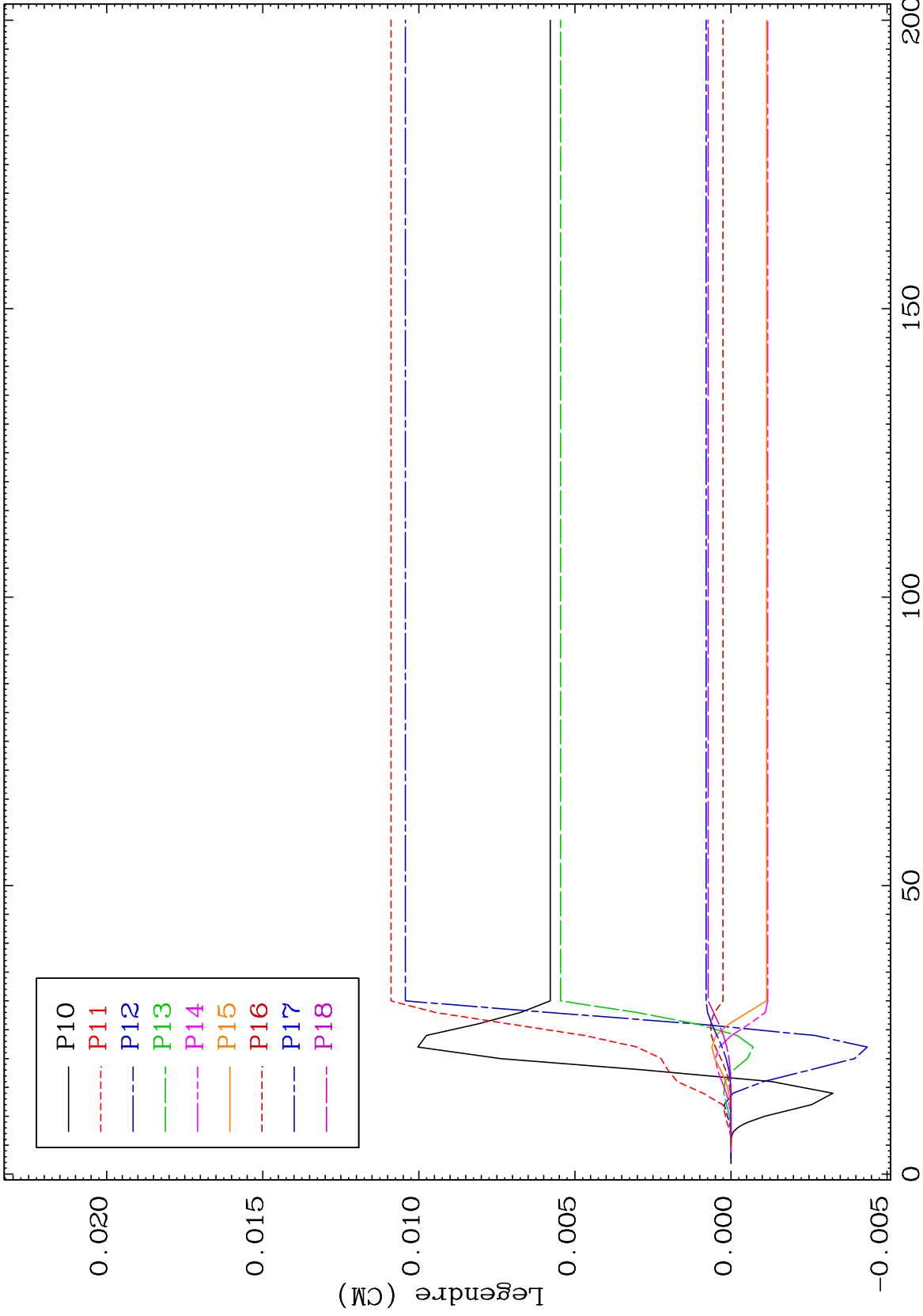
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



54

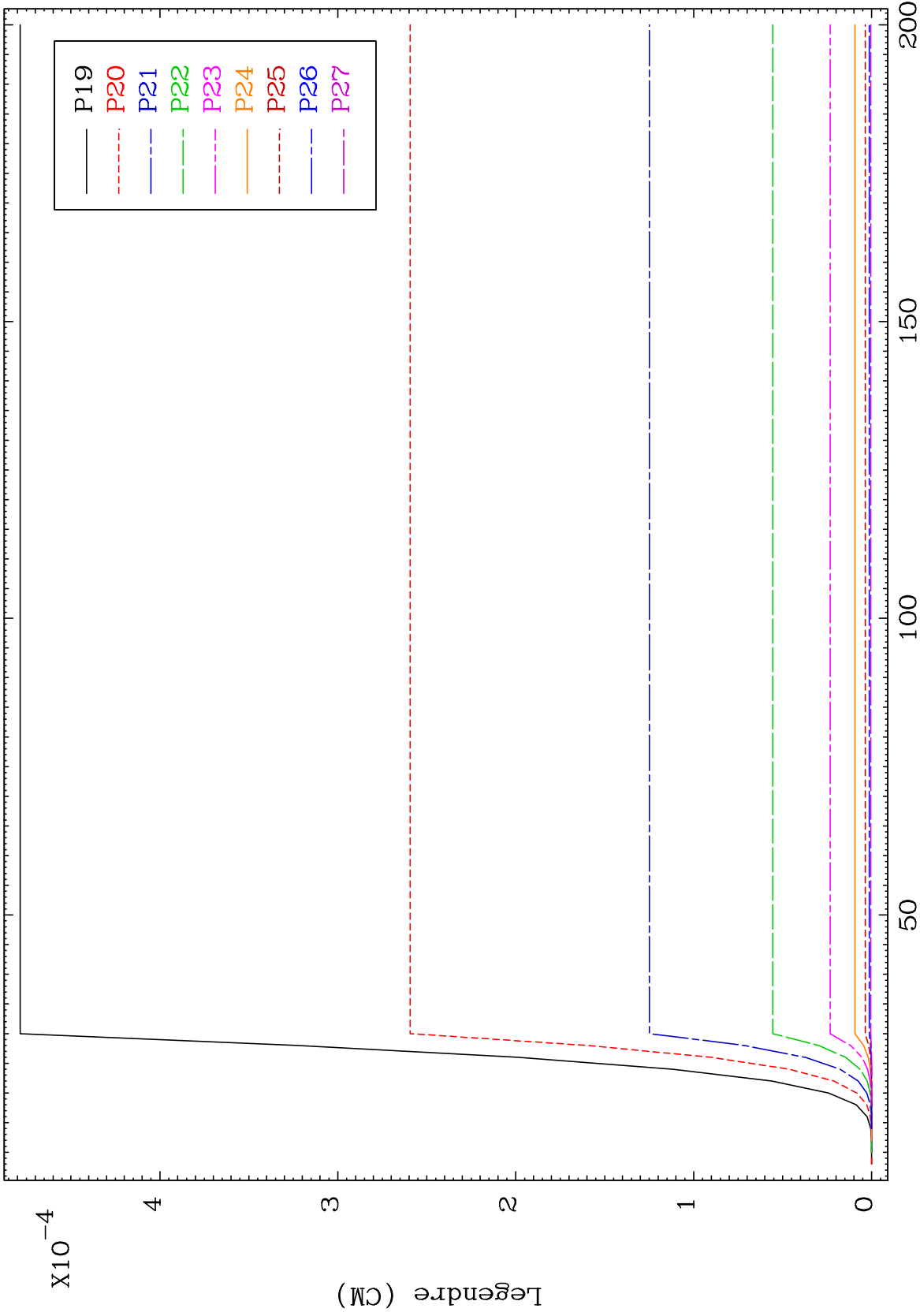
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



55

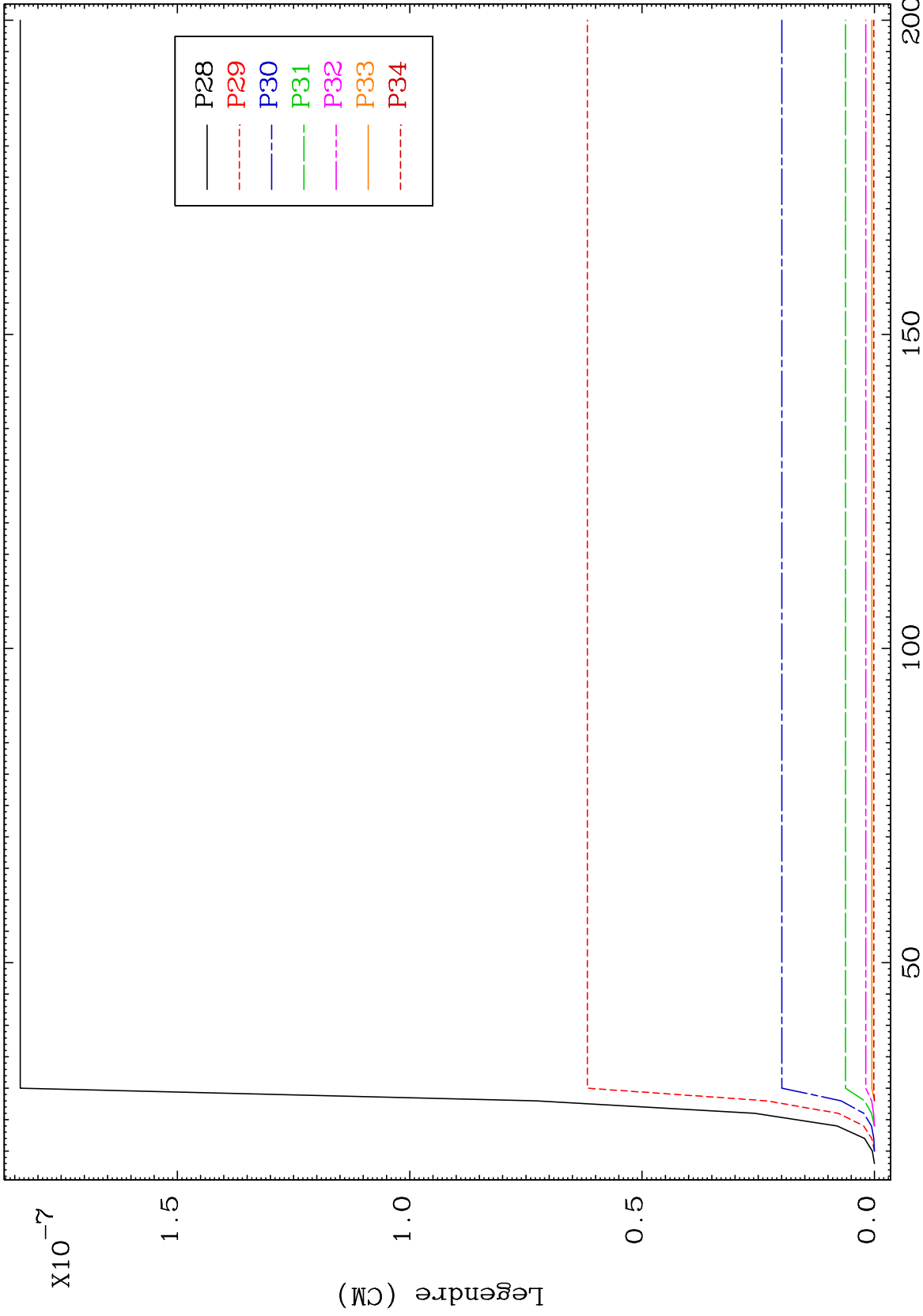
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



56

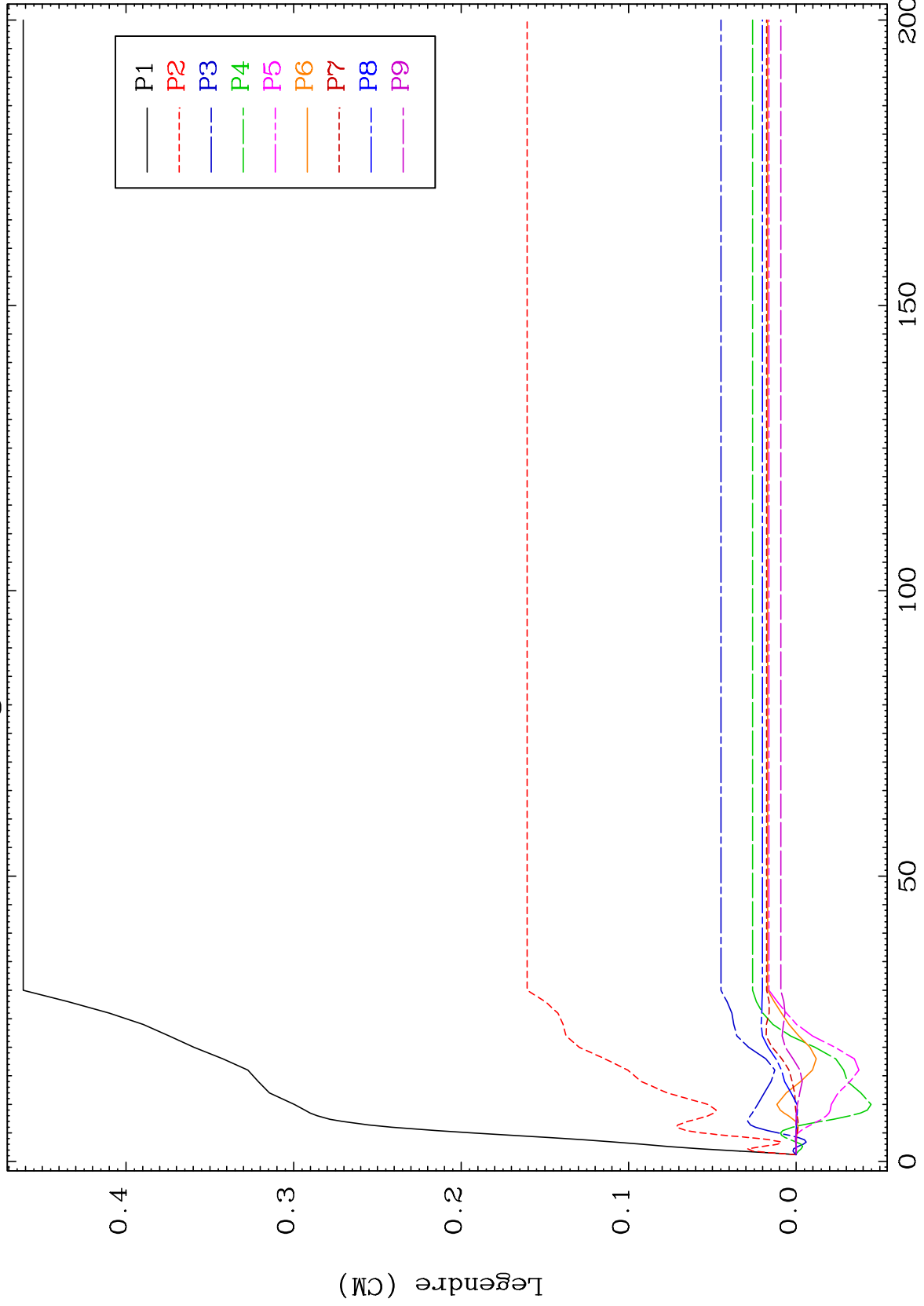
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



57

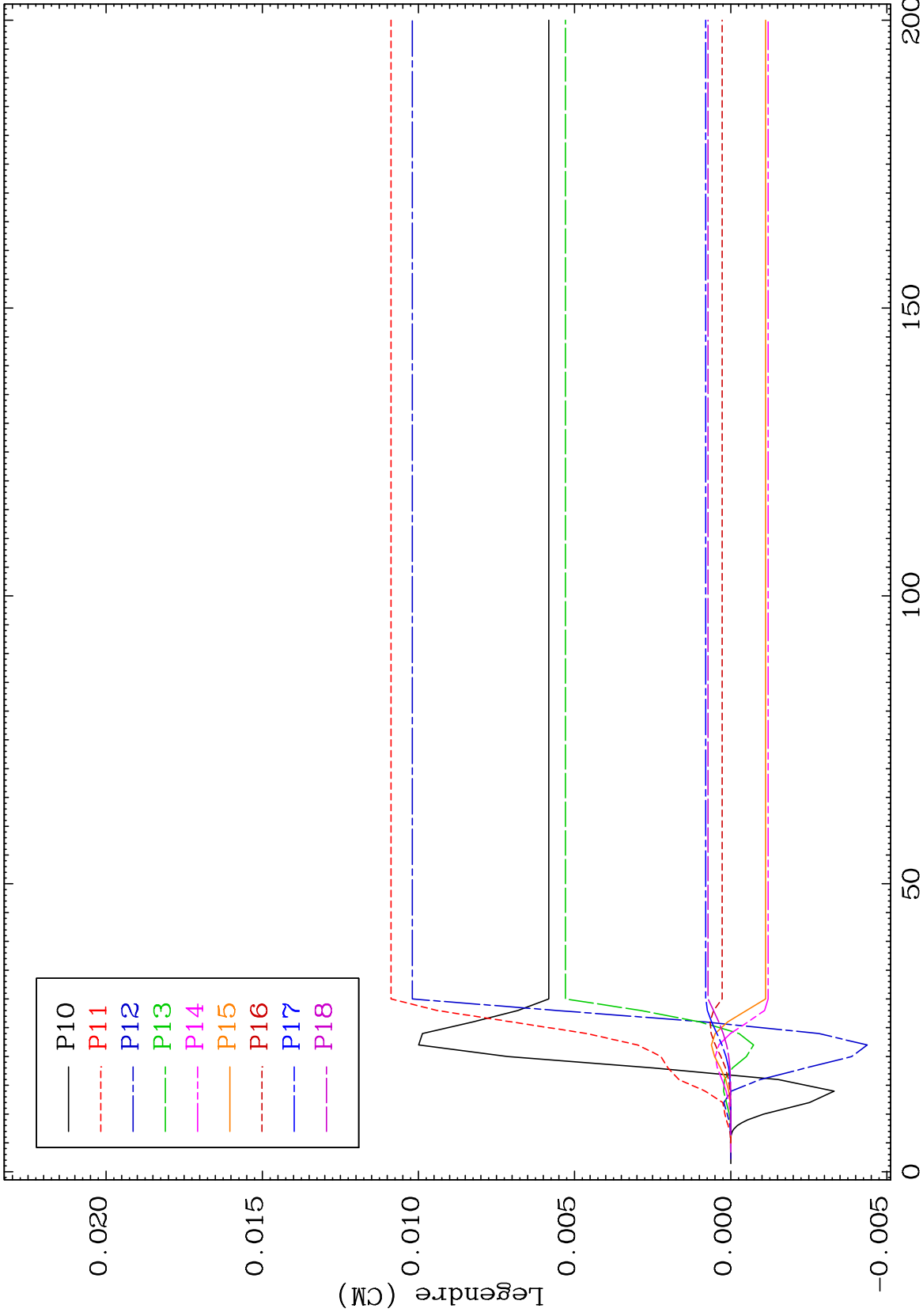
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



58

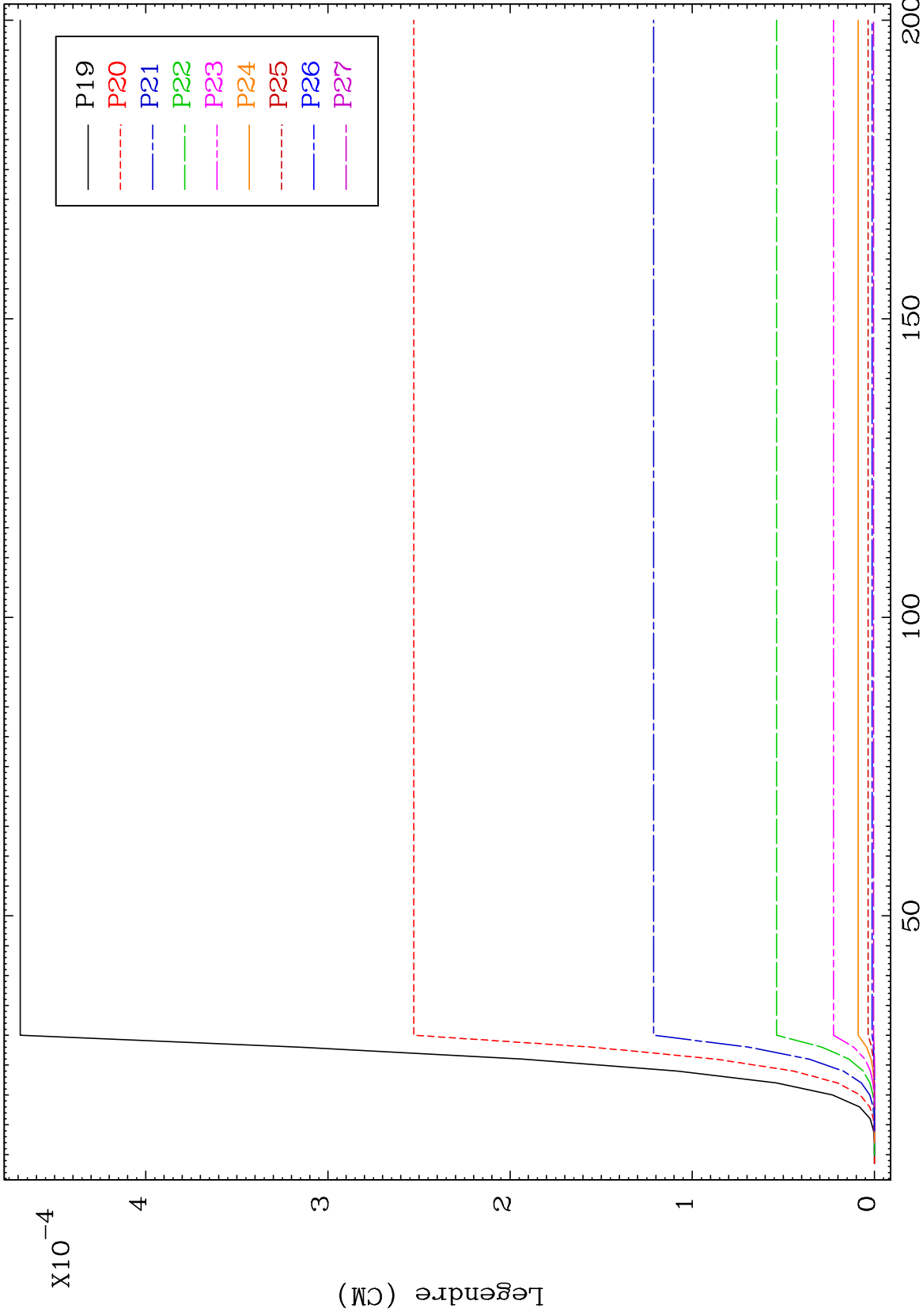
37-Rb-77

37-Rb-77

MAT 3701

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

37-Rb-77



59

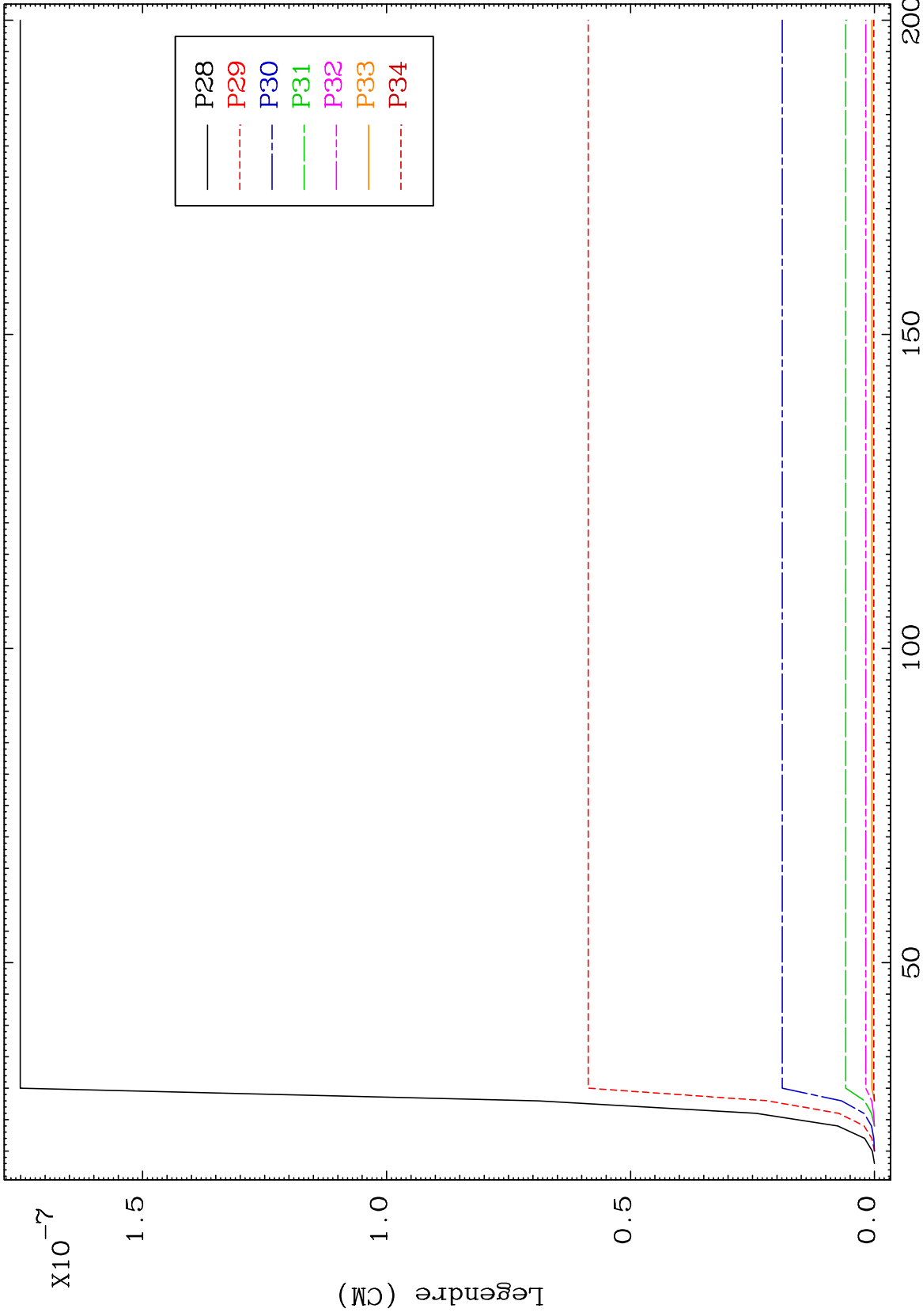
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



60

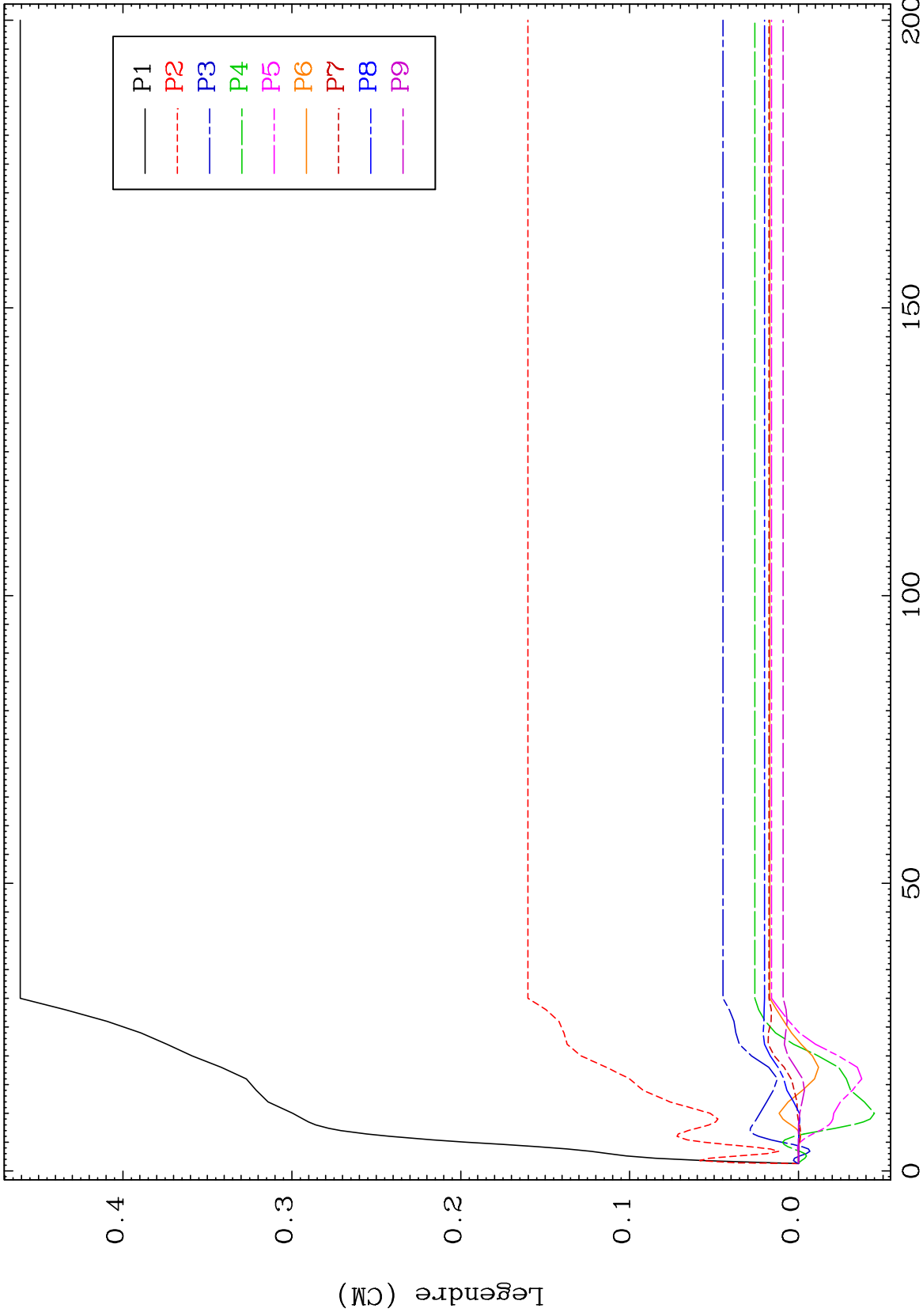
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



61

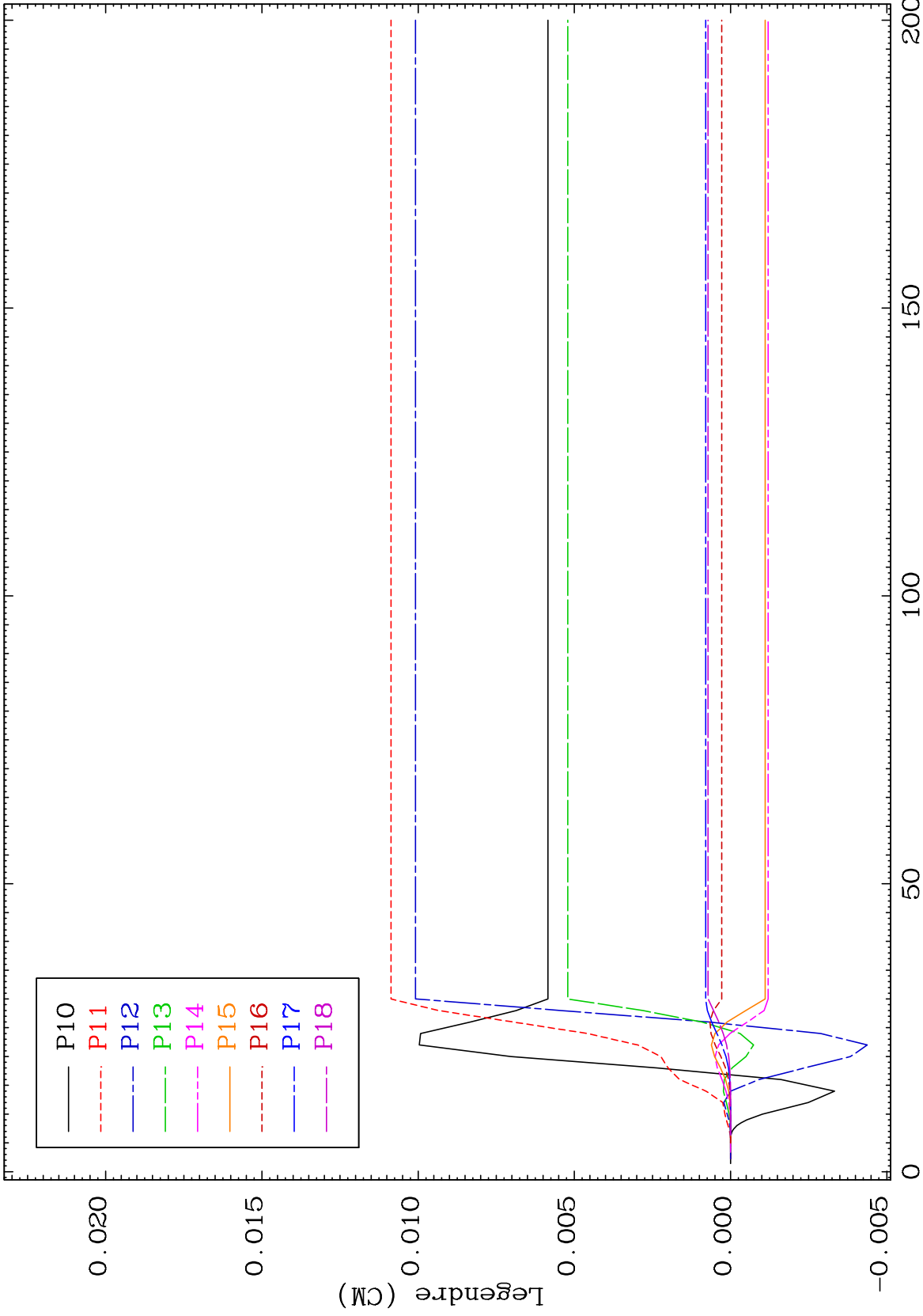
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



62

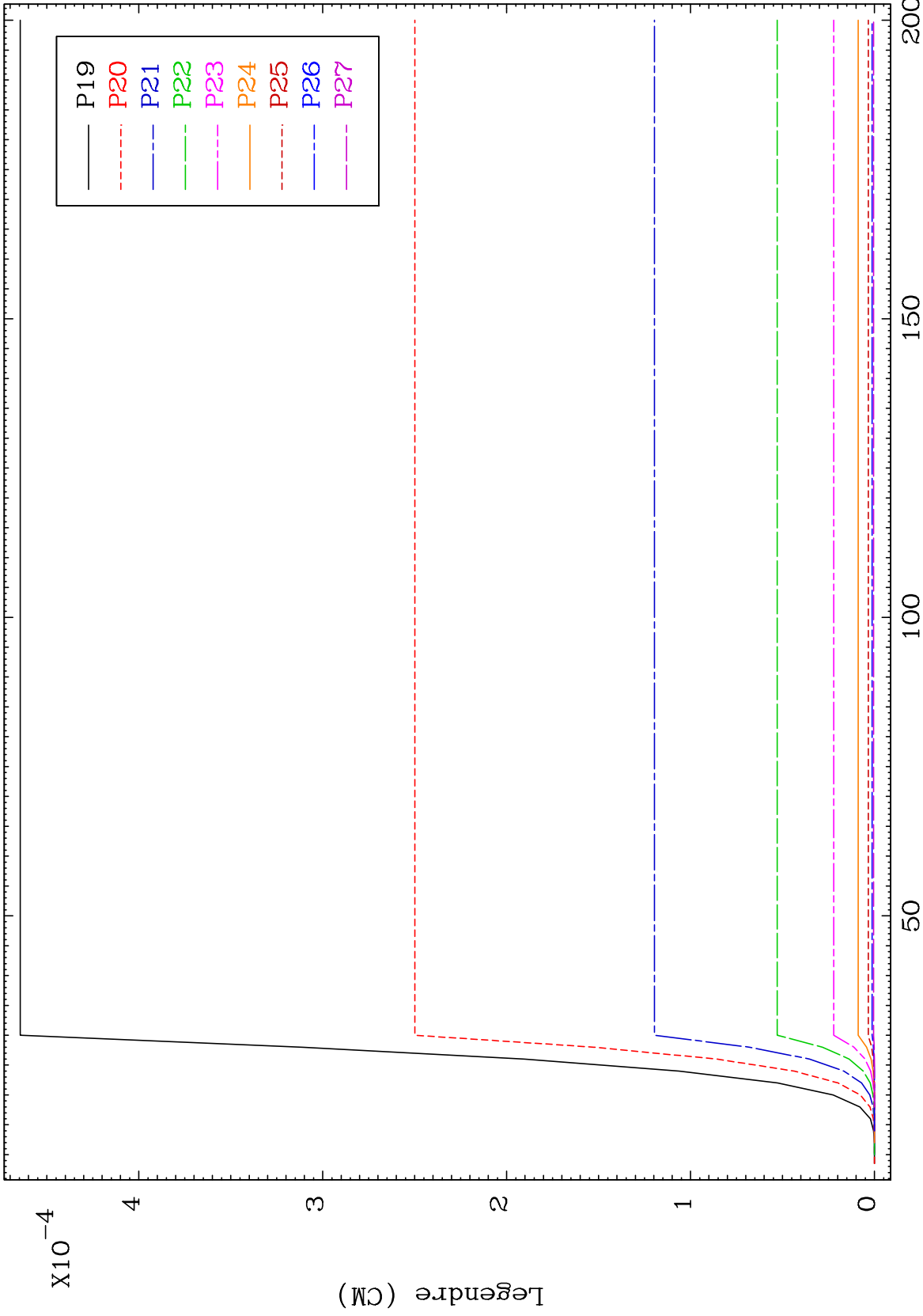
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



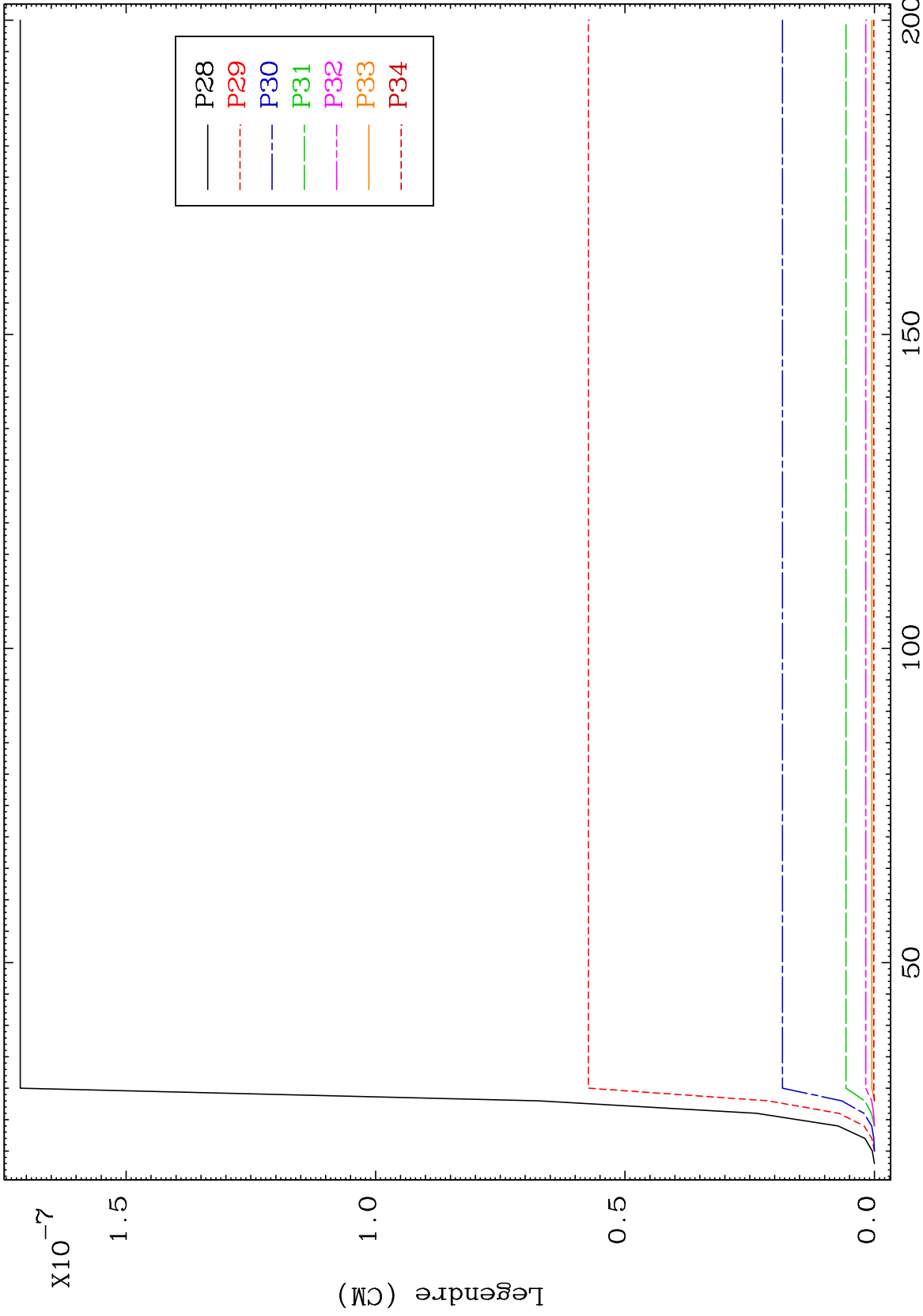
63

37-Rb-77

MAT 3701

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

37-Rb-77



64

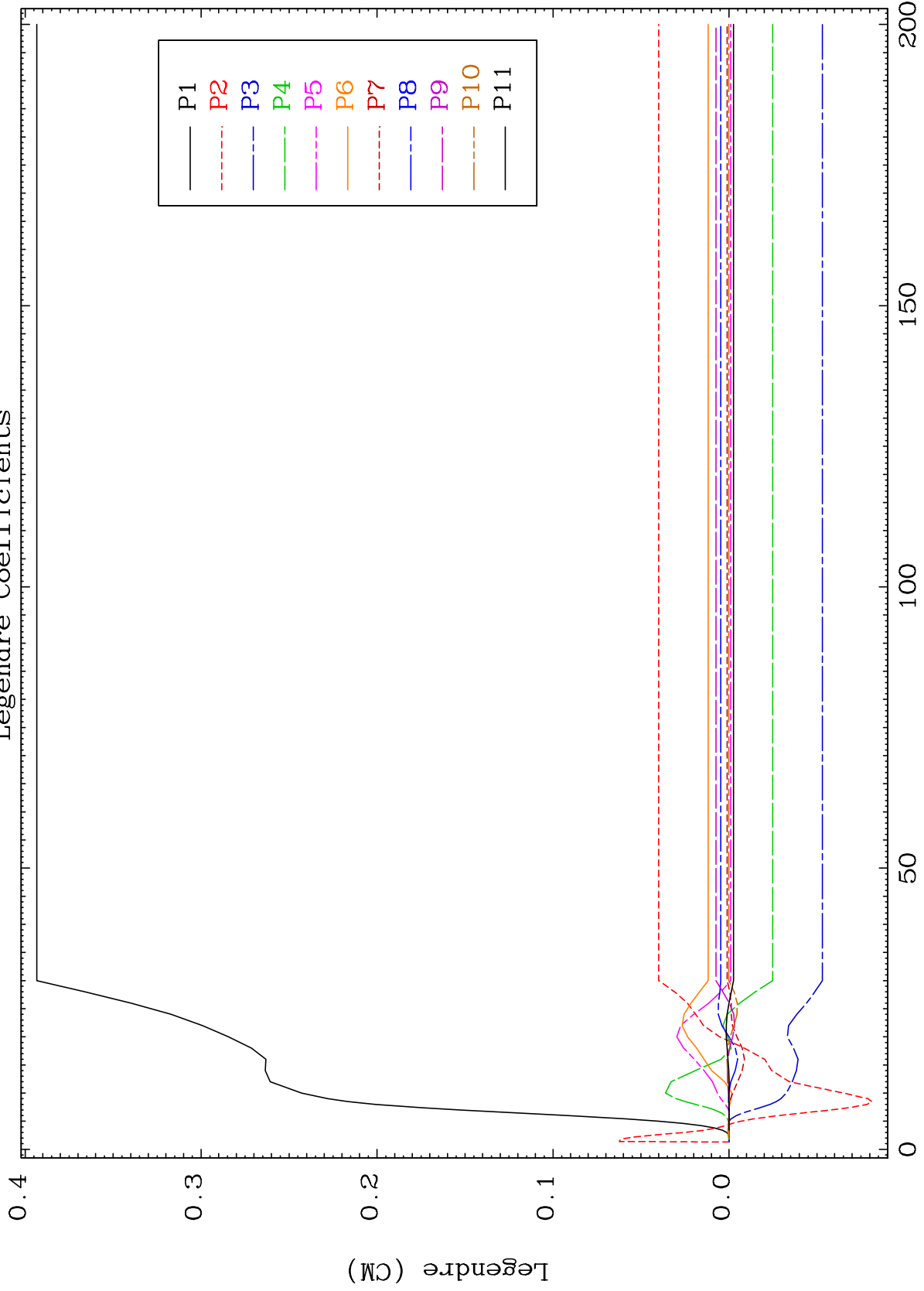
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

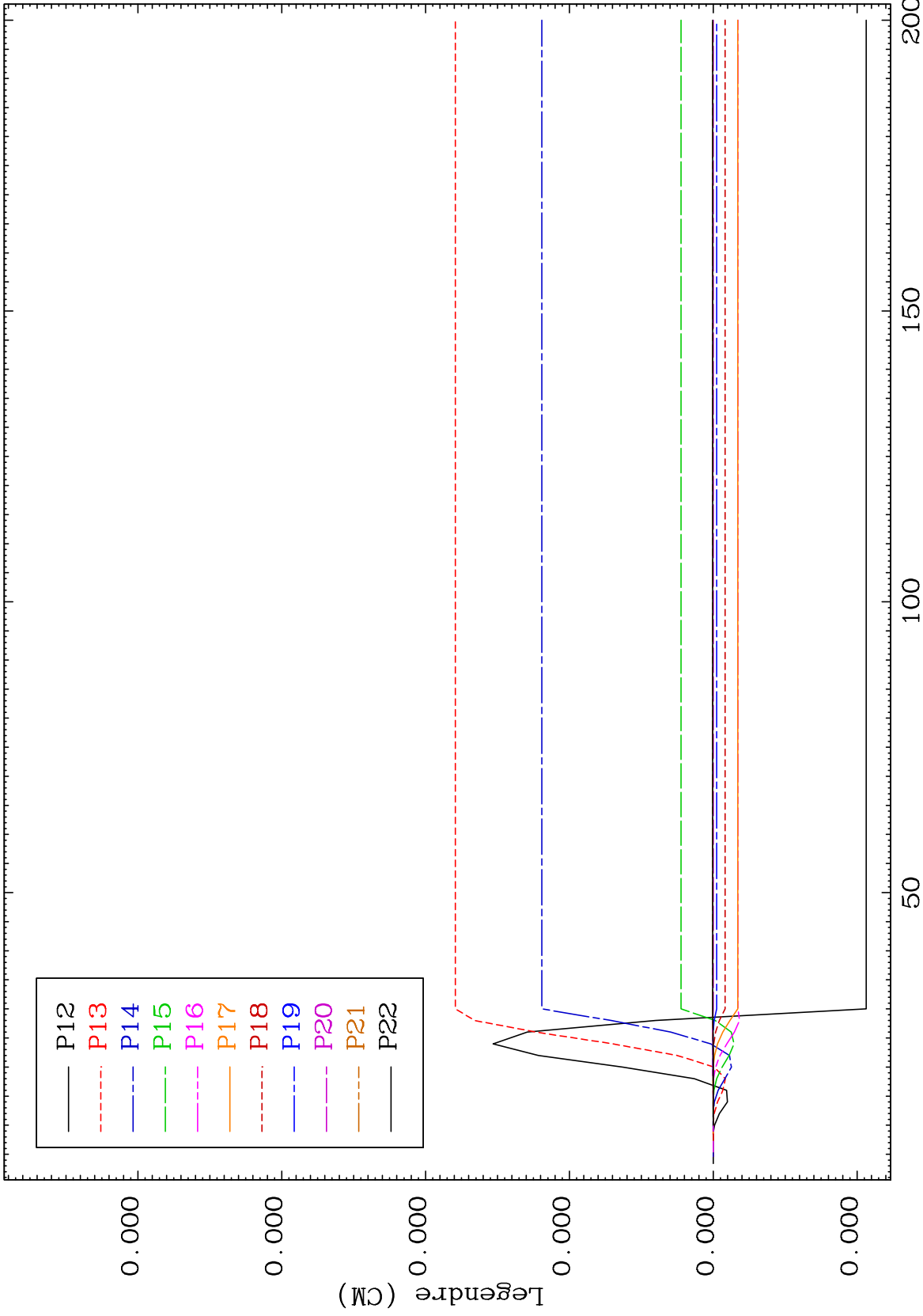
37-Rb-77



65

Incident Energy (MeV)

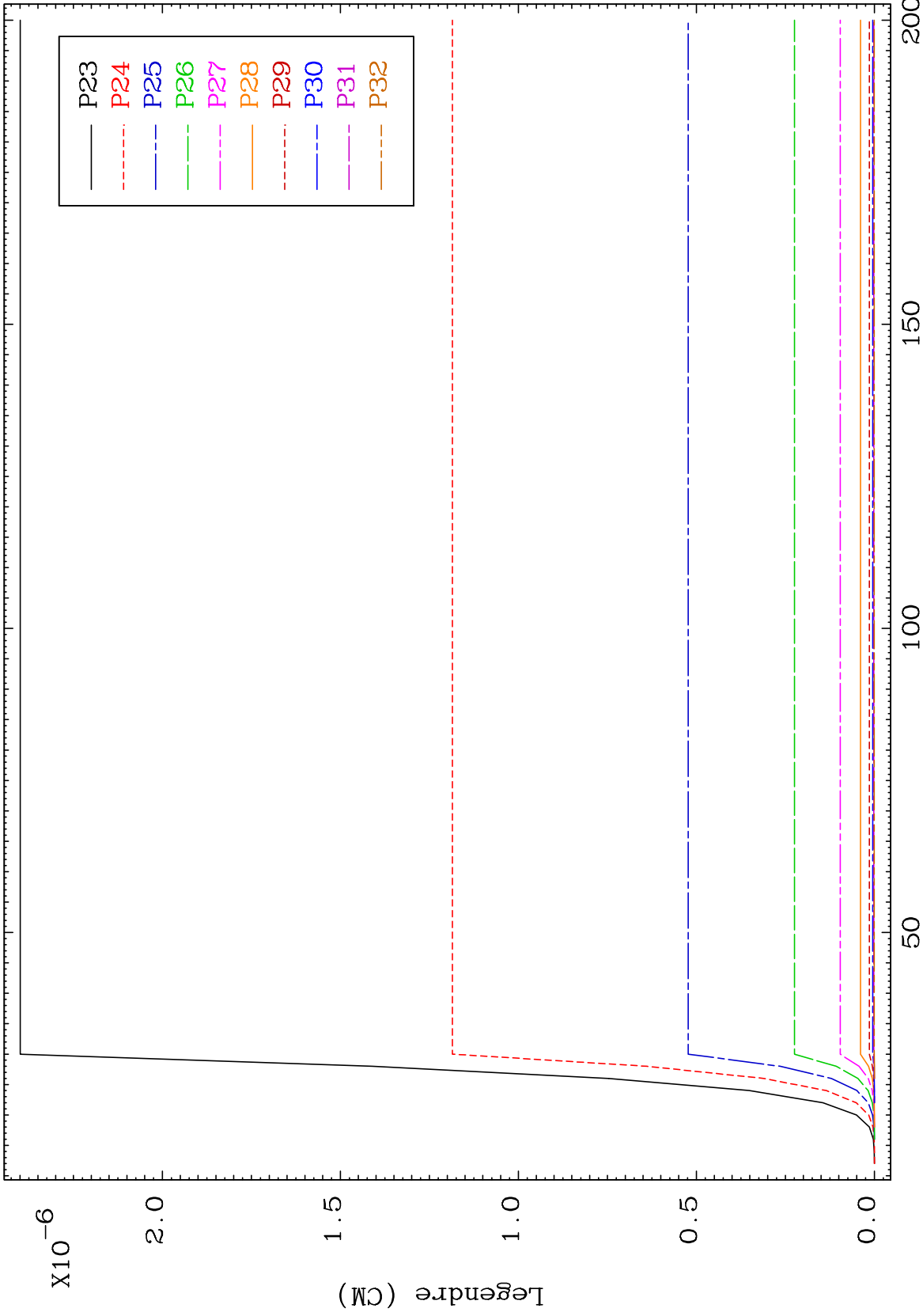
37-Rb-77



MAT 3701

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

37-Rb-77



67

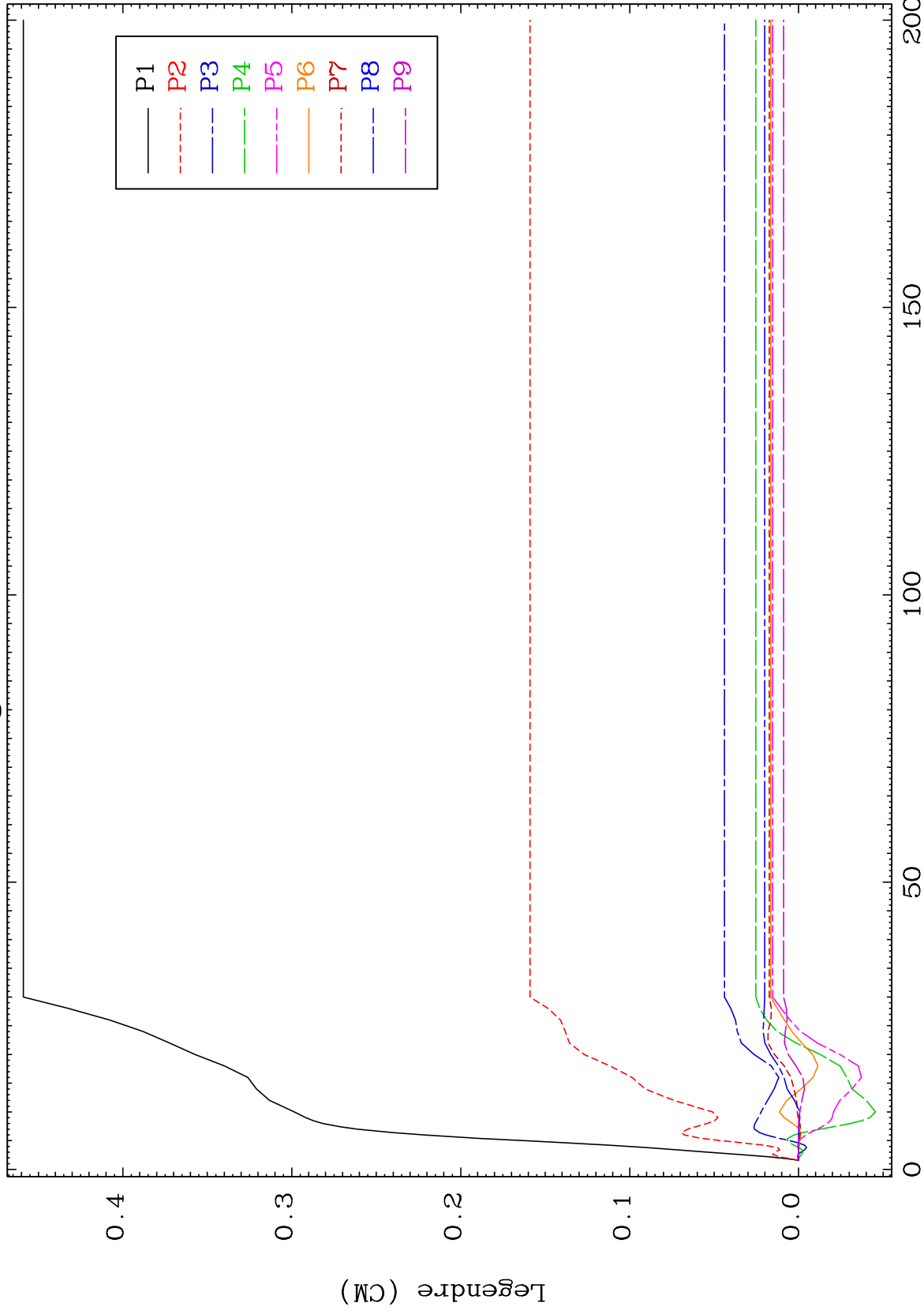
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



68

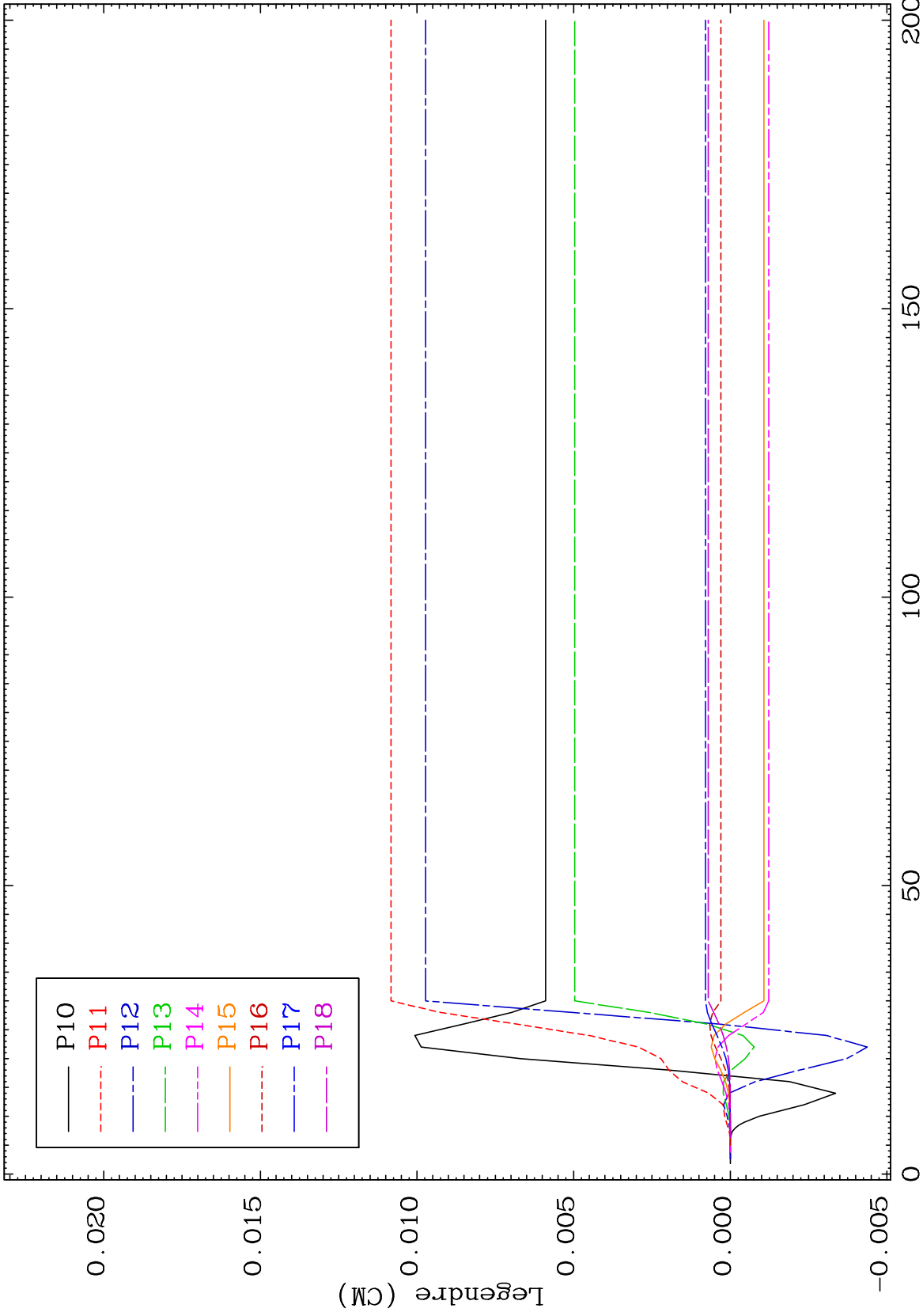
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



69

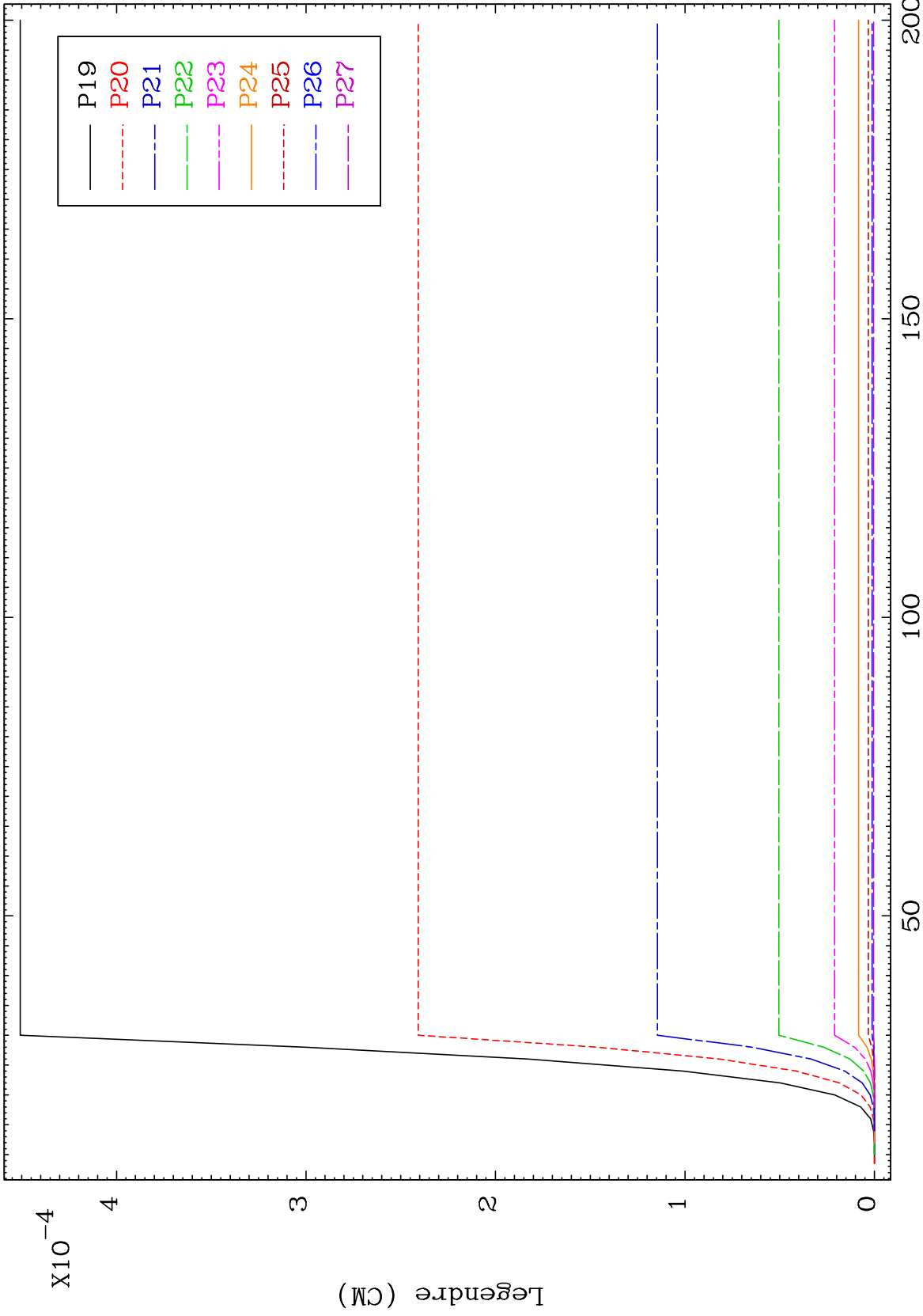
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



70

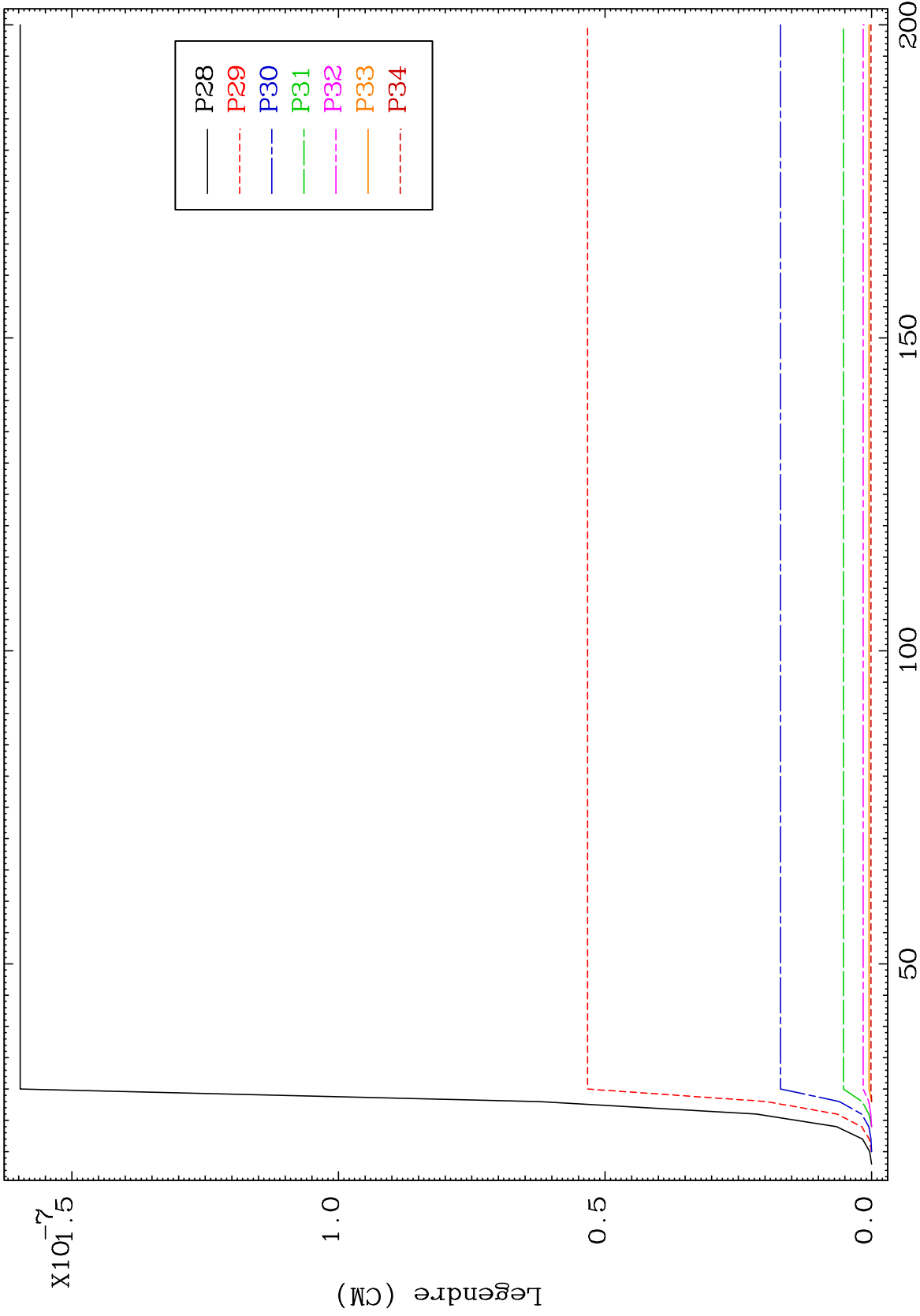
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



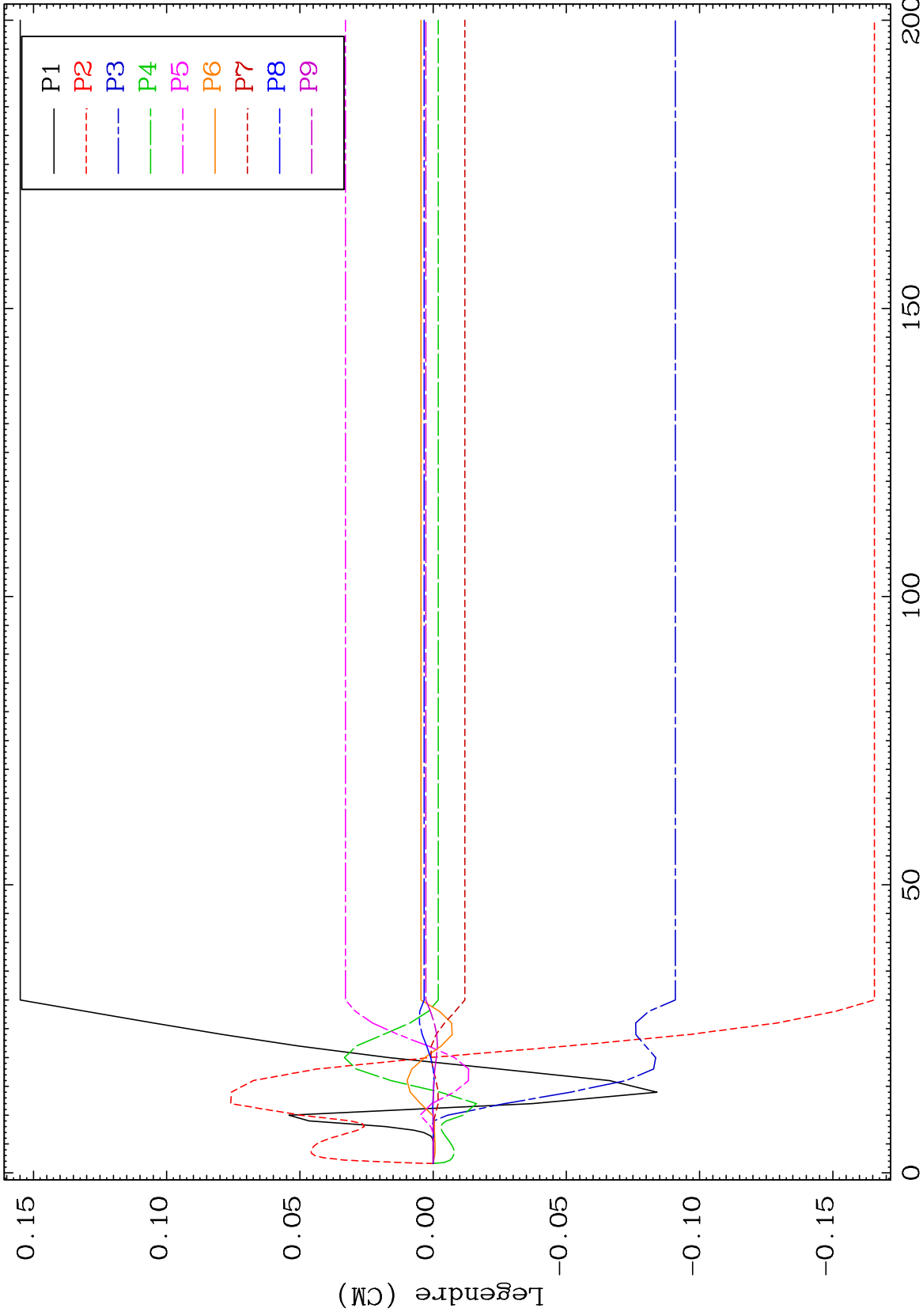
71

37-Rb-77

MAT 3701

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

37-Rb-77



72

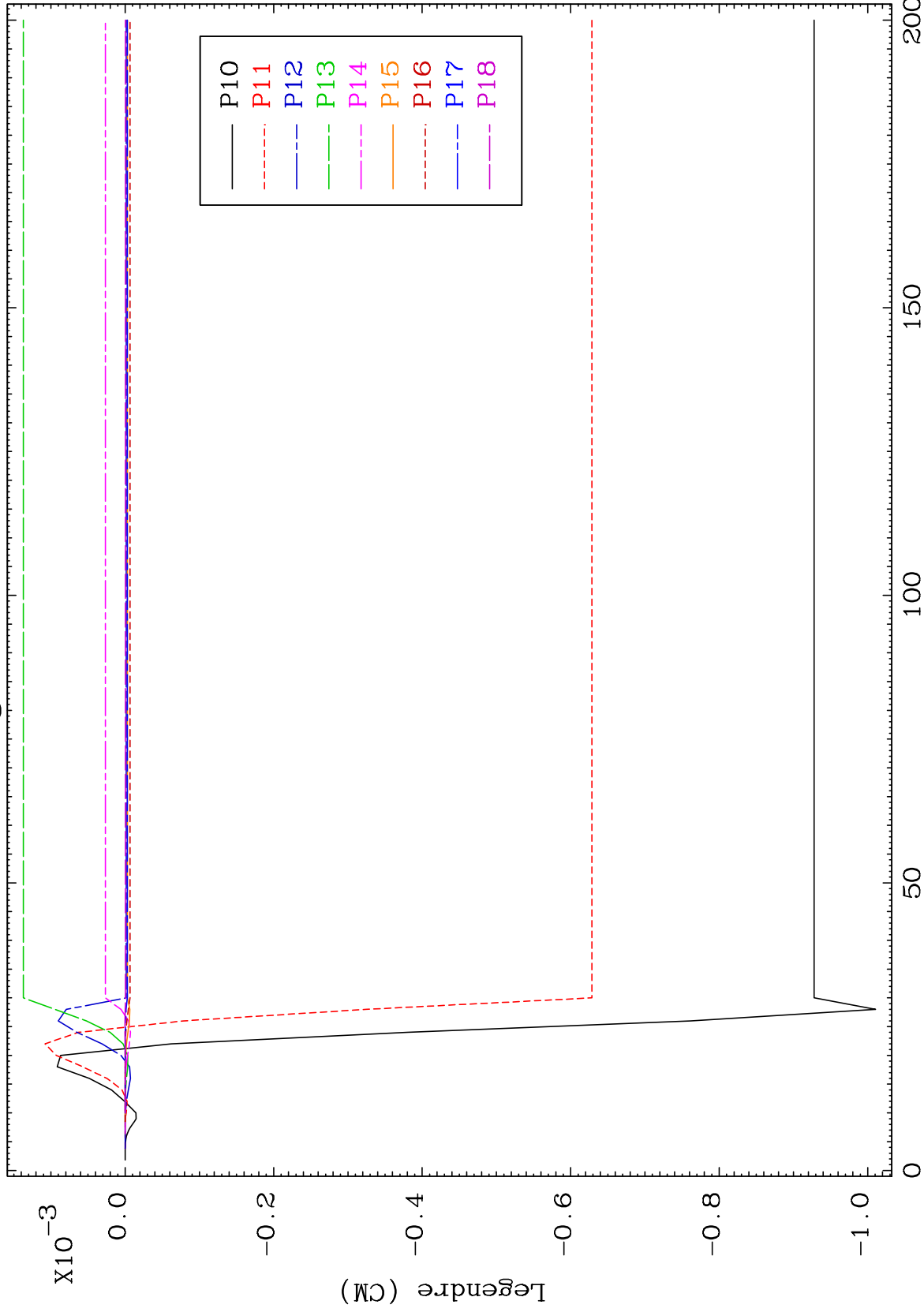
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



73

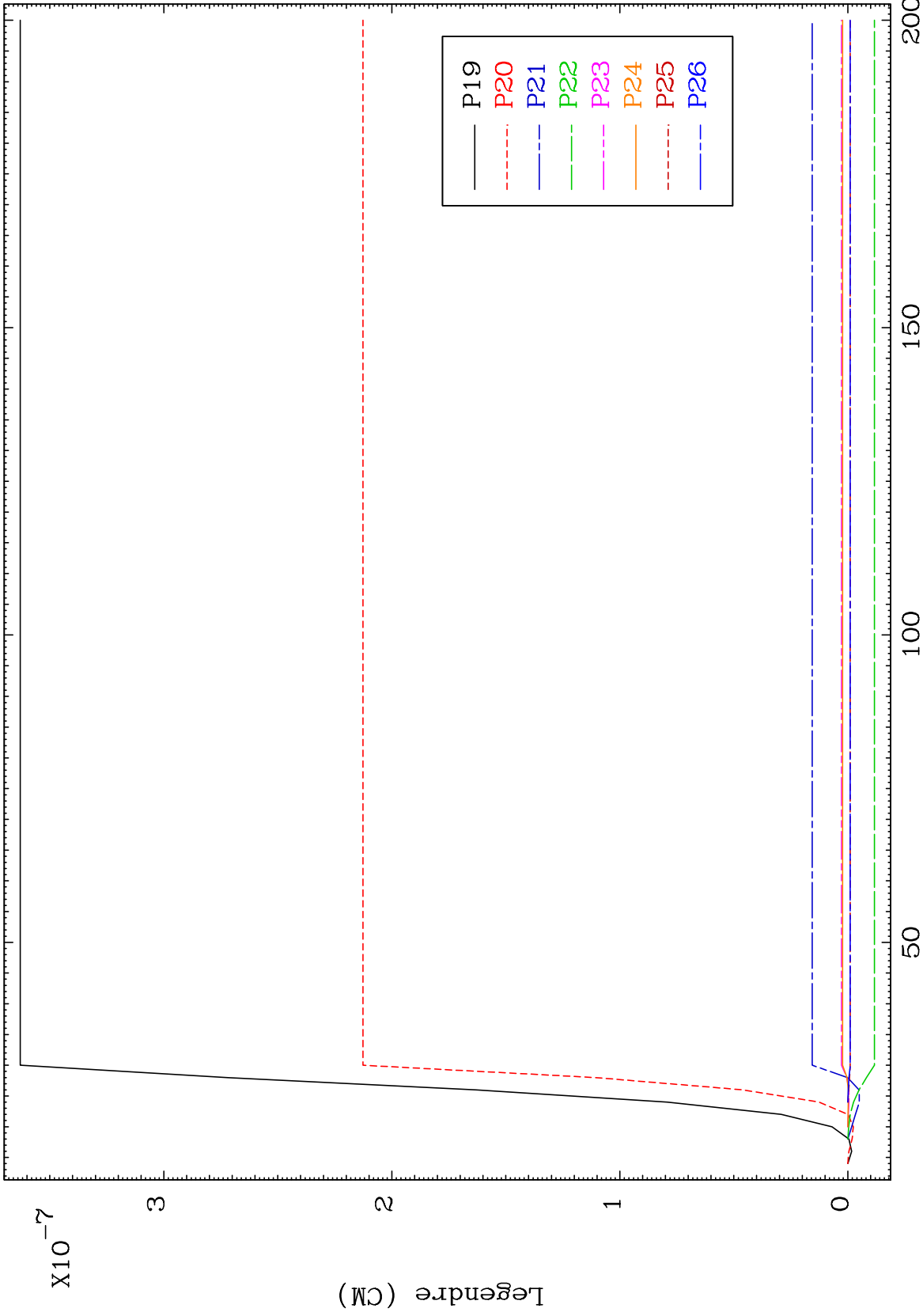
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



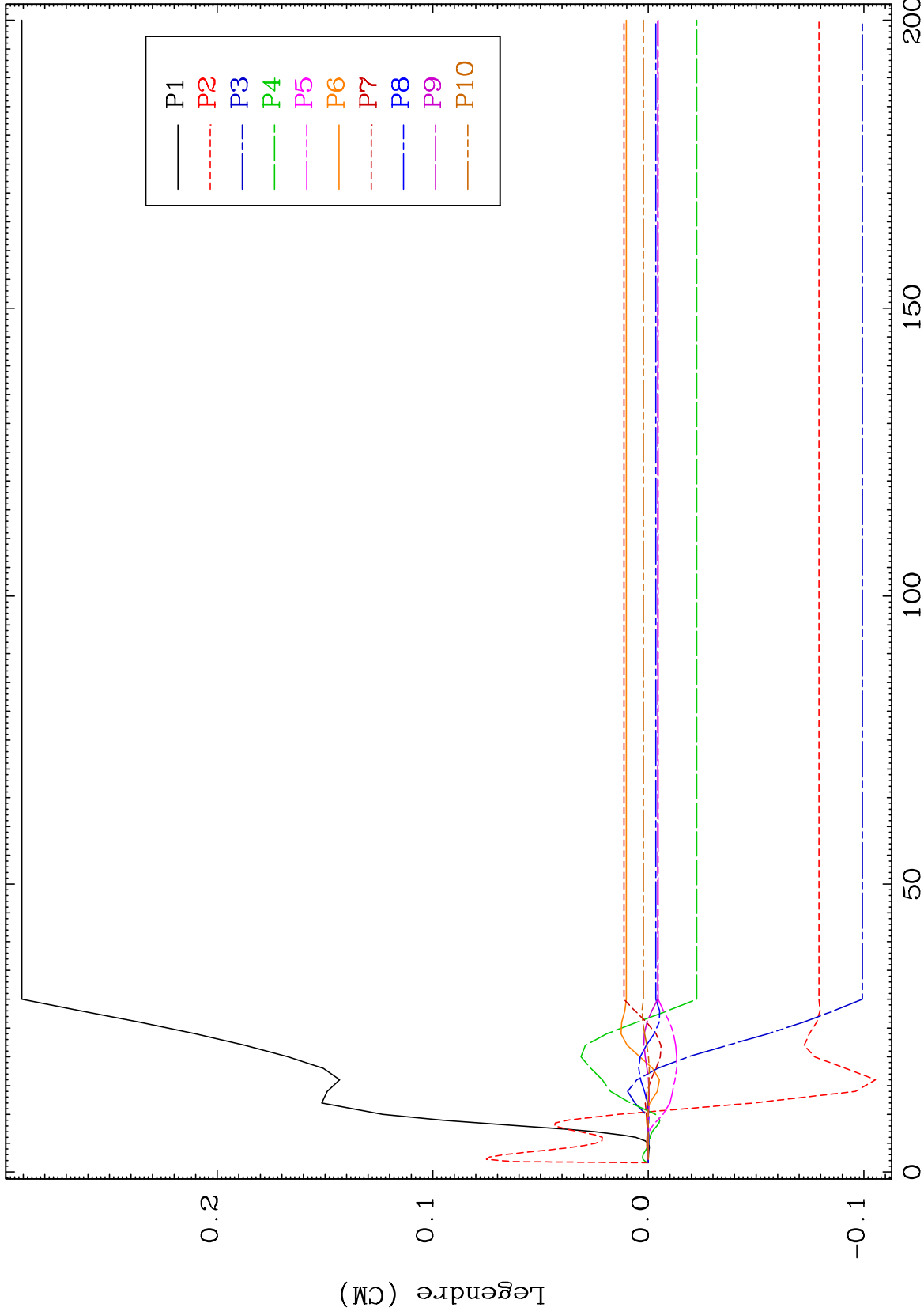
74

37-Rb-77

MAT 3701

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

37-Rb-77



75

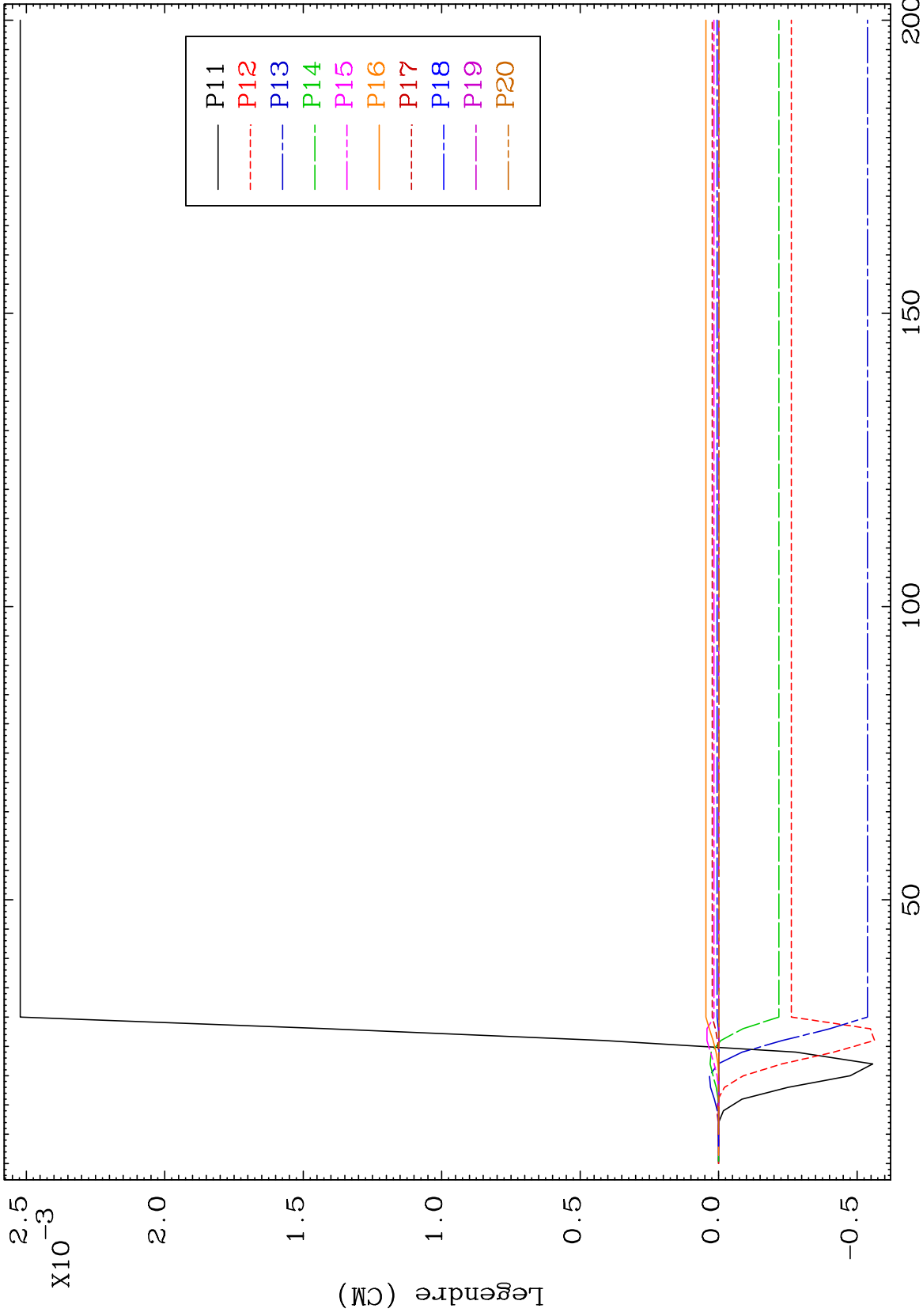
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



76

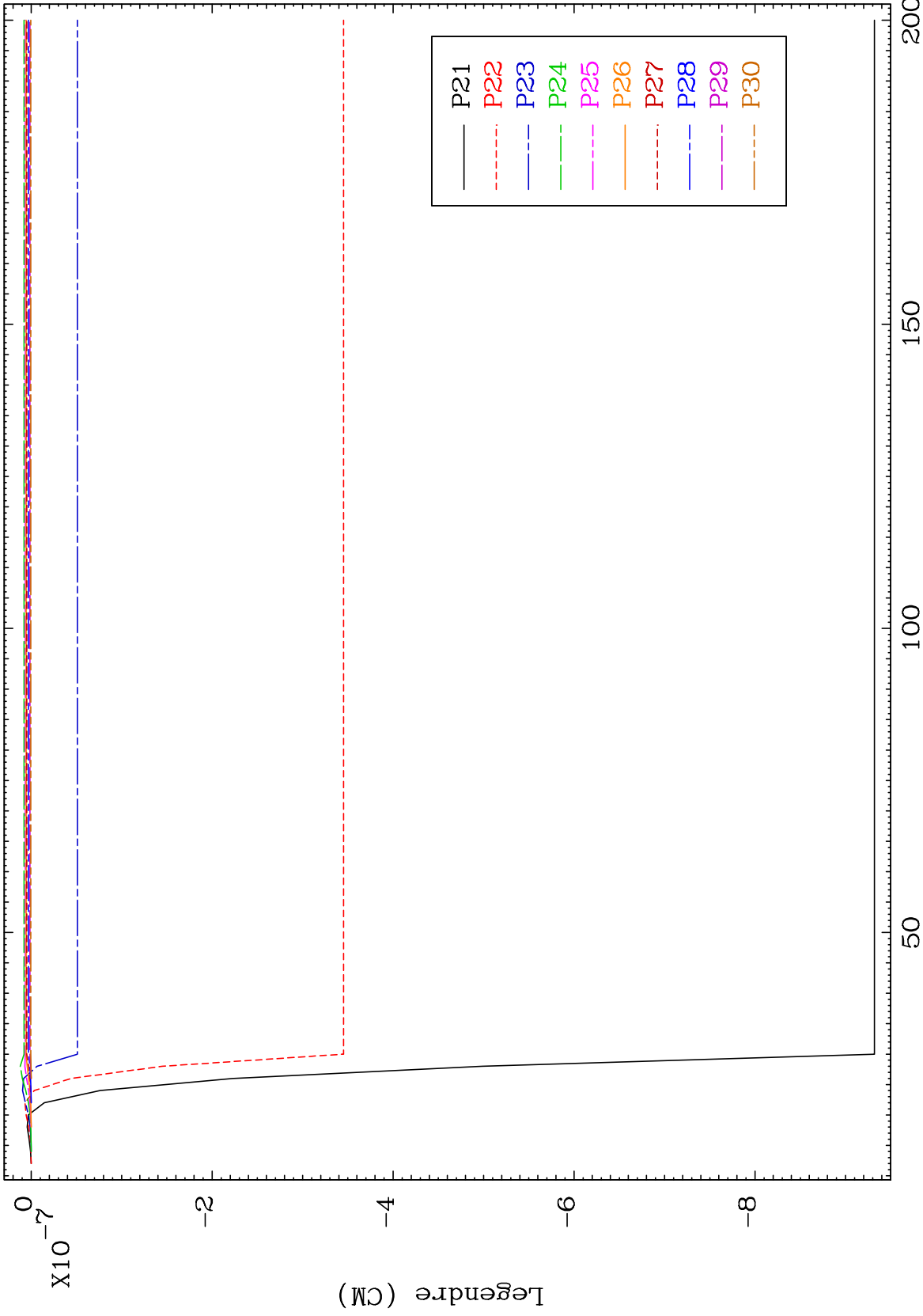
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



77

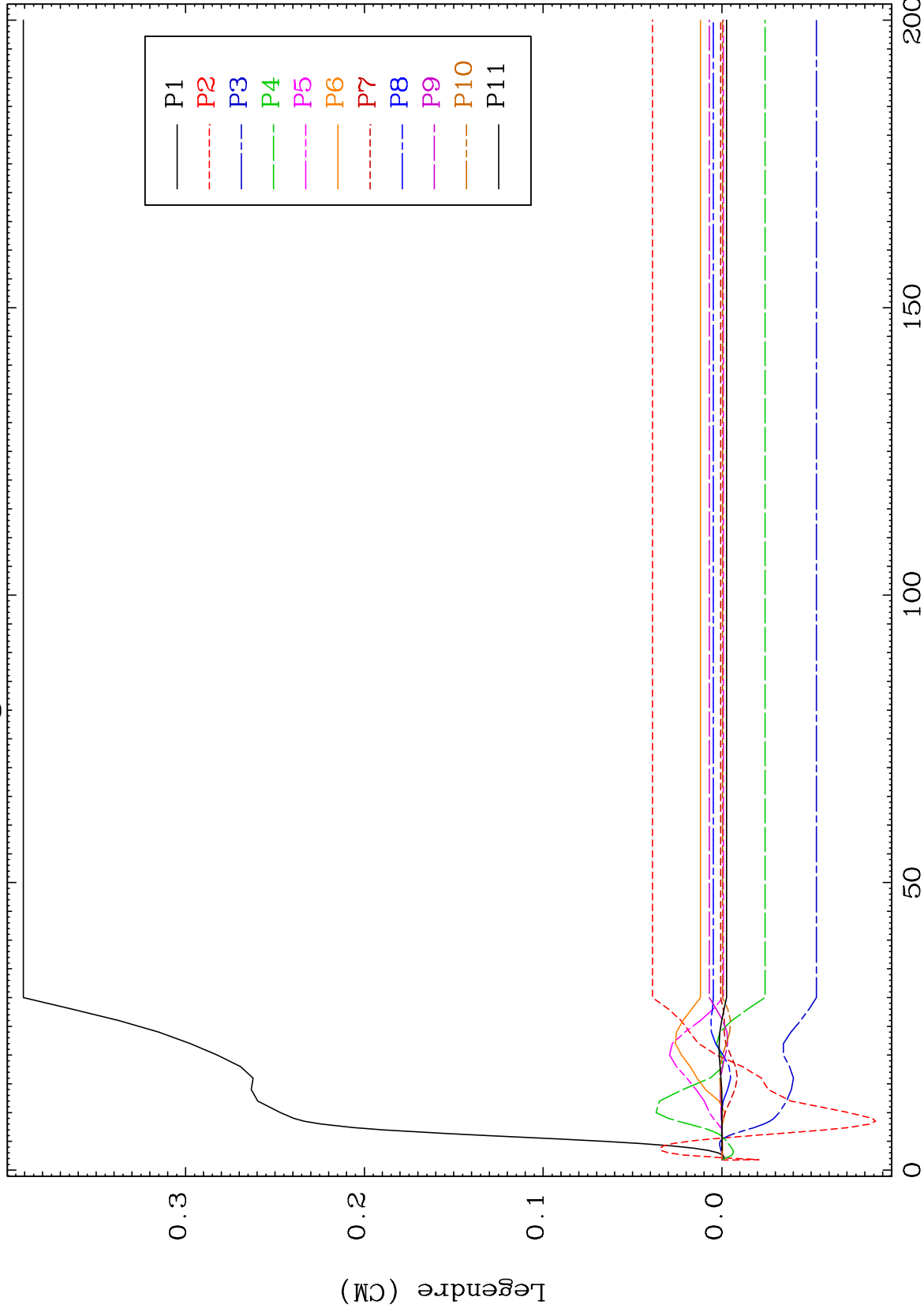
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

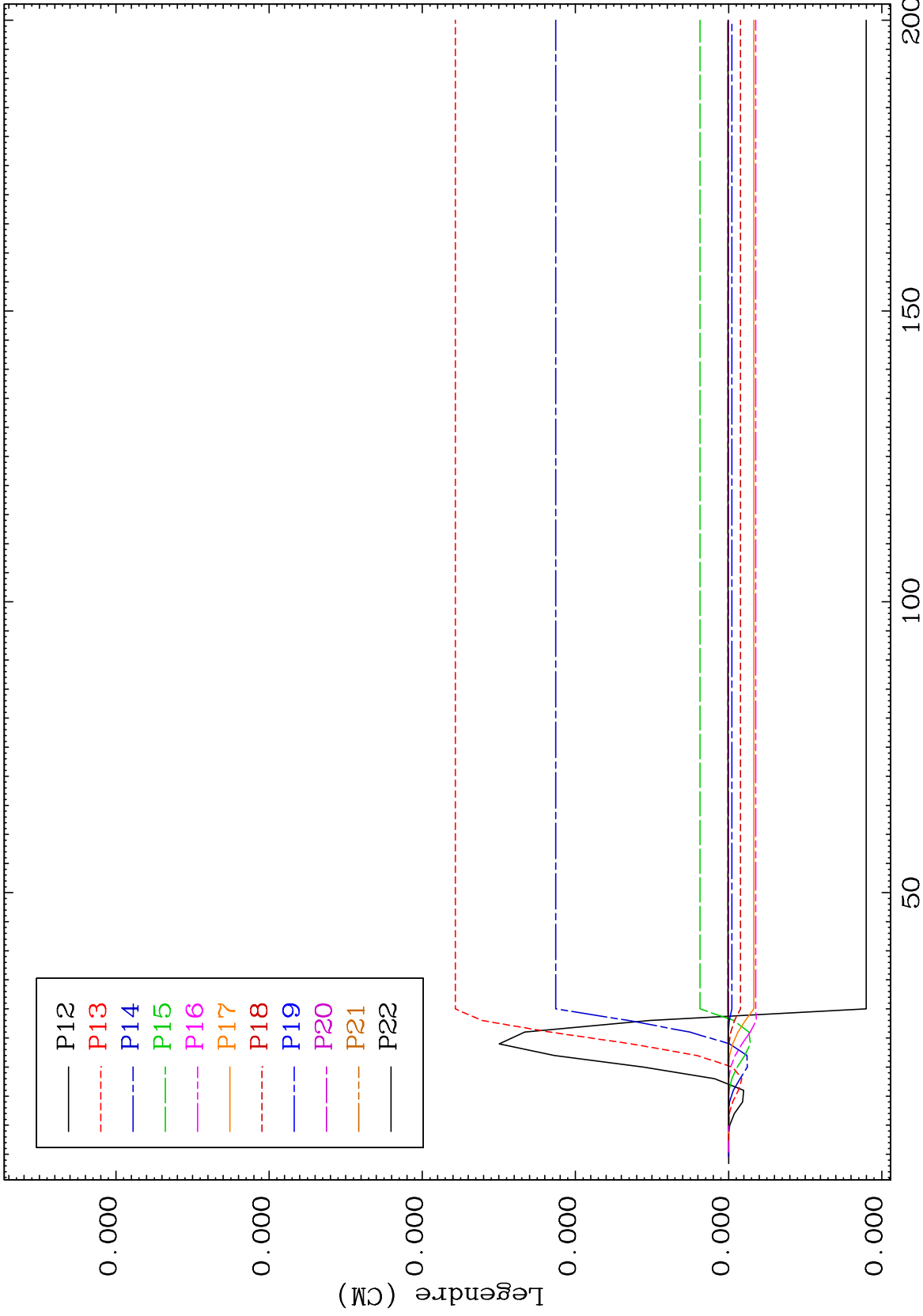
37-Rb-77



78

Incident Energy (MeV)

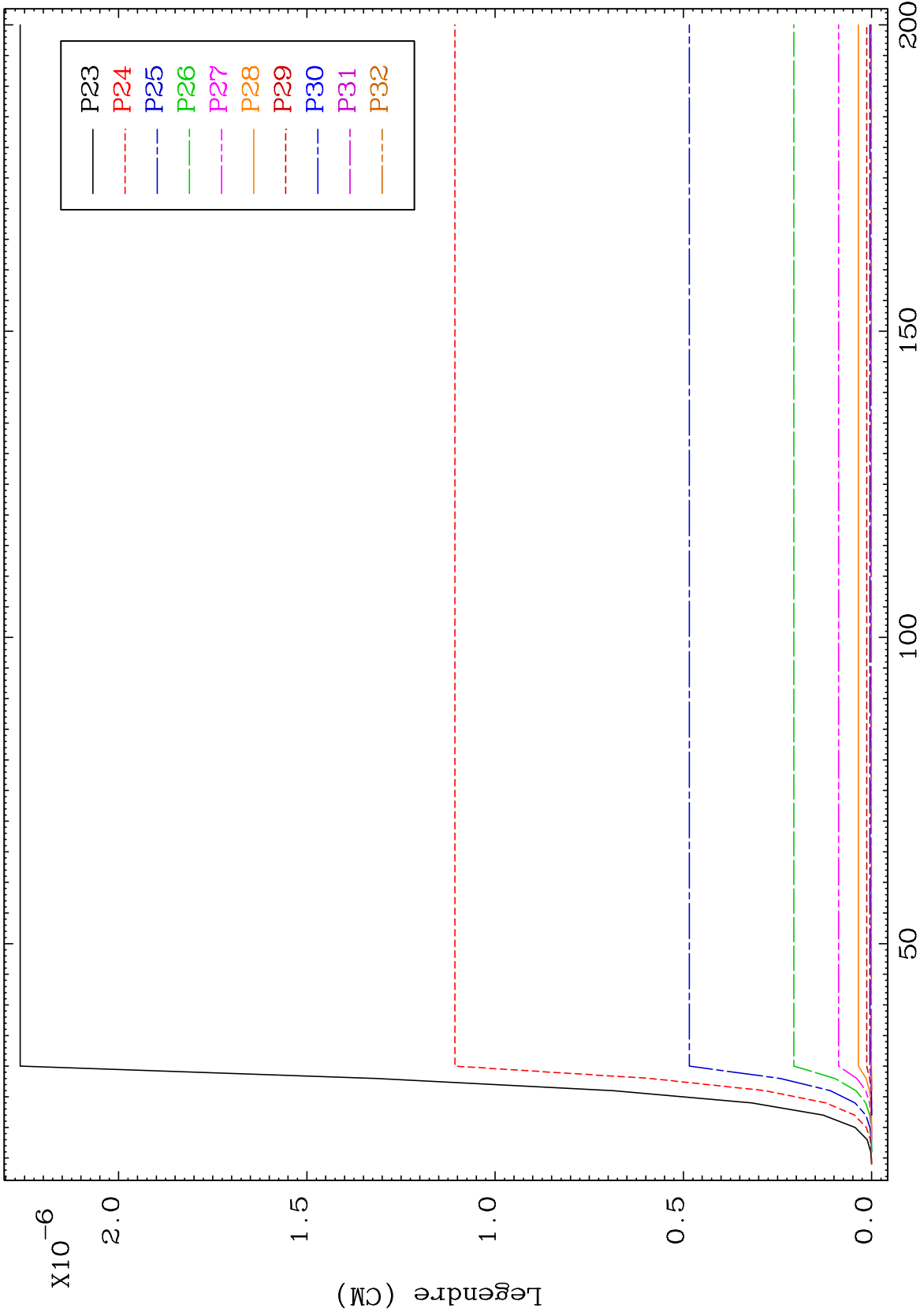
37-Rb-77



MAT 3701

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

37-Rb-77



80

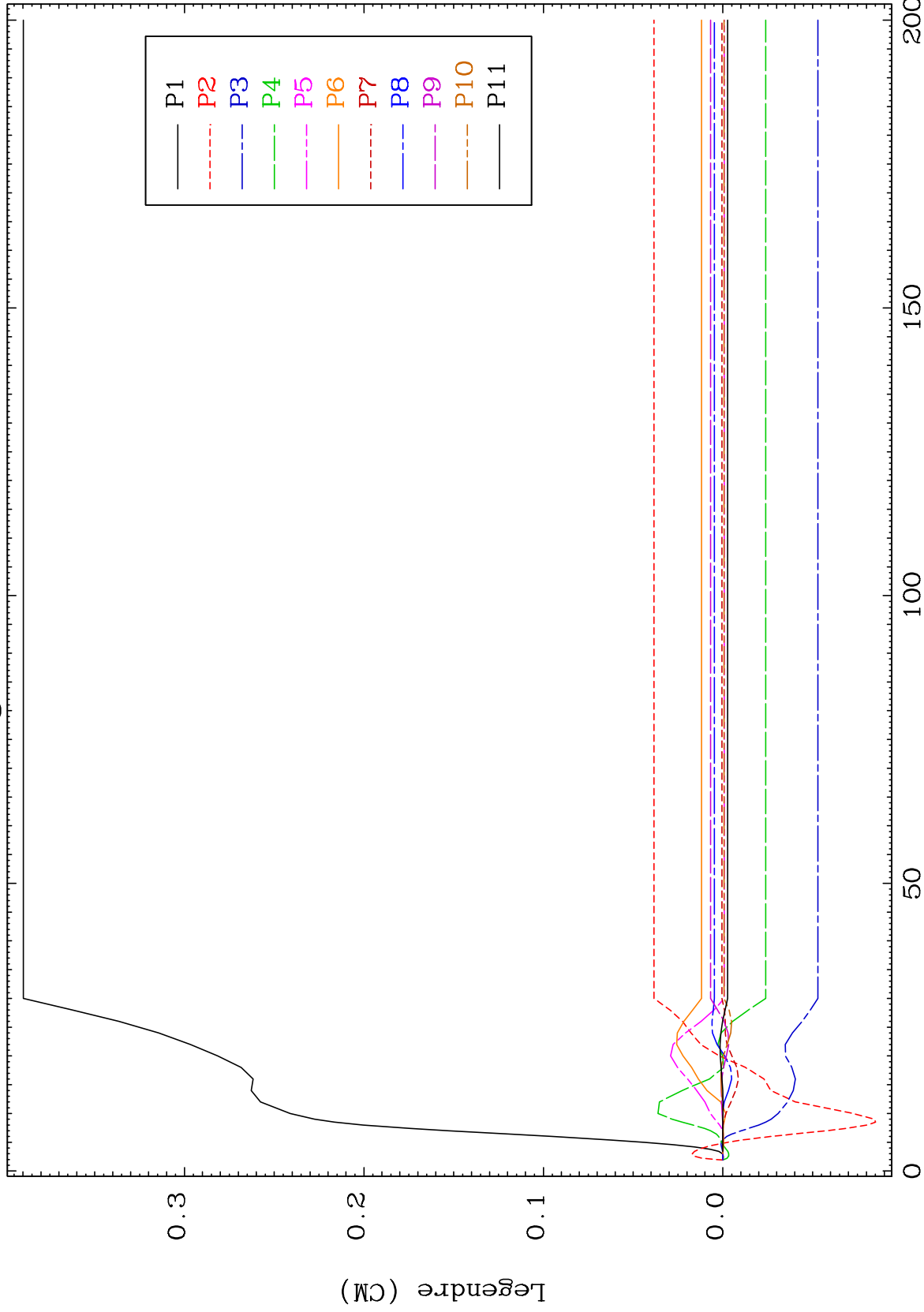
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

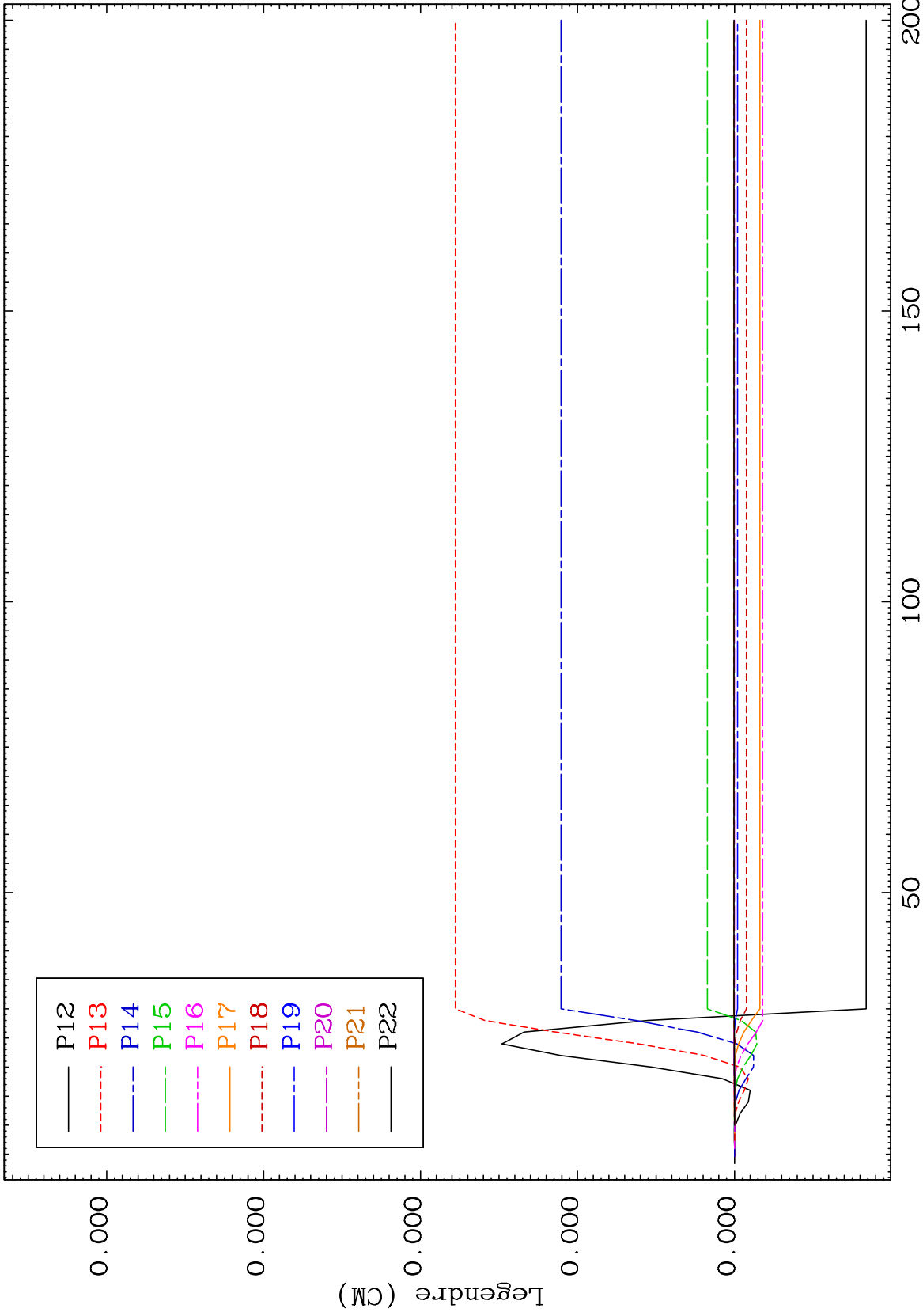
37-Rb-77



81

Incident Energy (MeV)

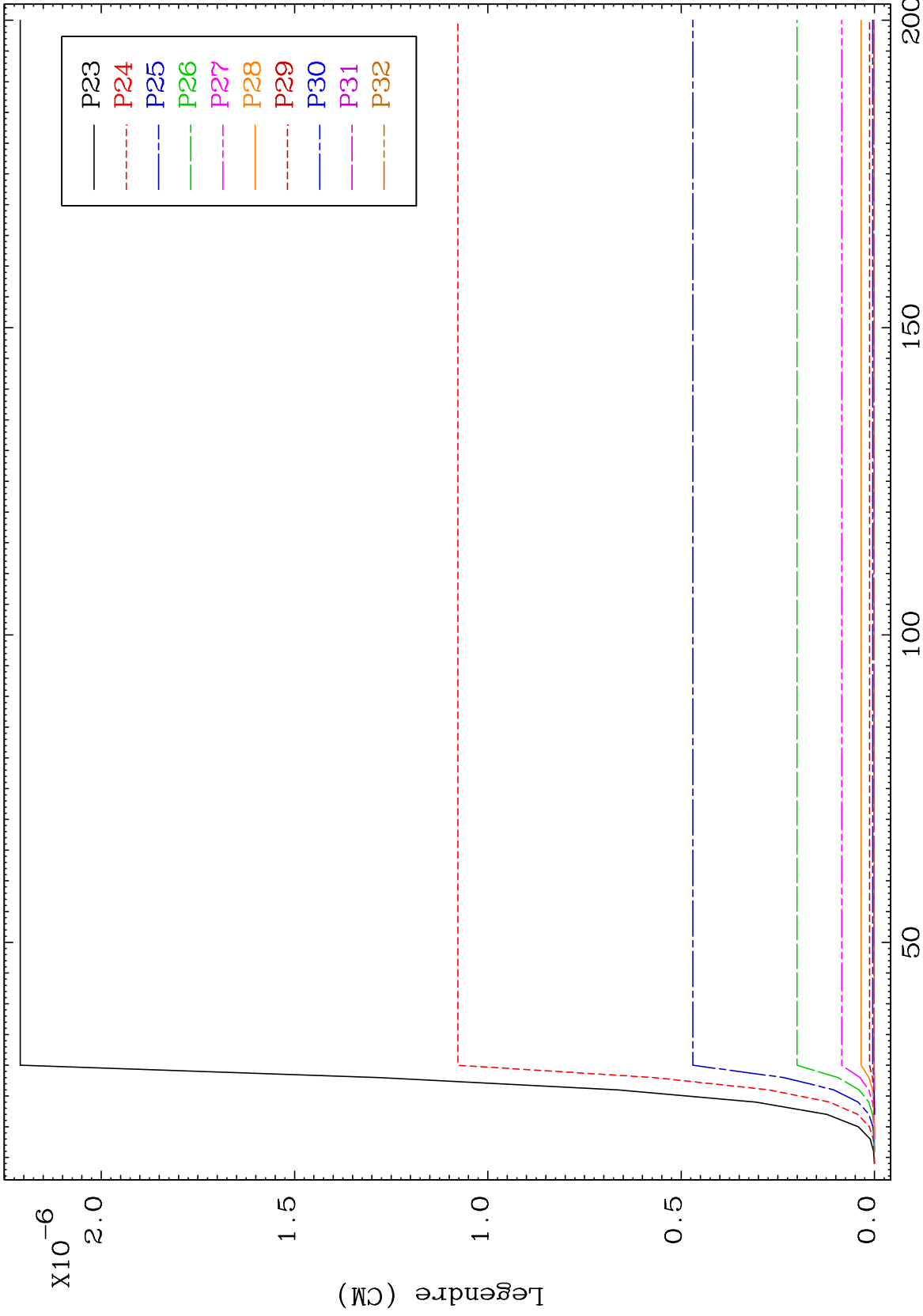
37-Rb-77



MAT 3701

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

37-Rb-77



83

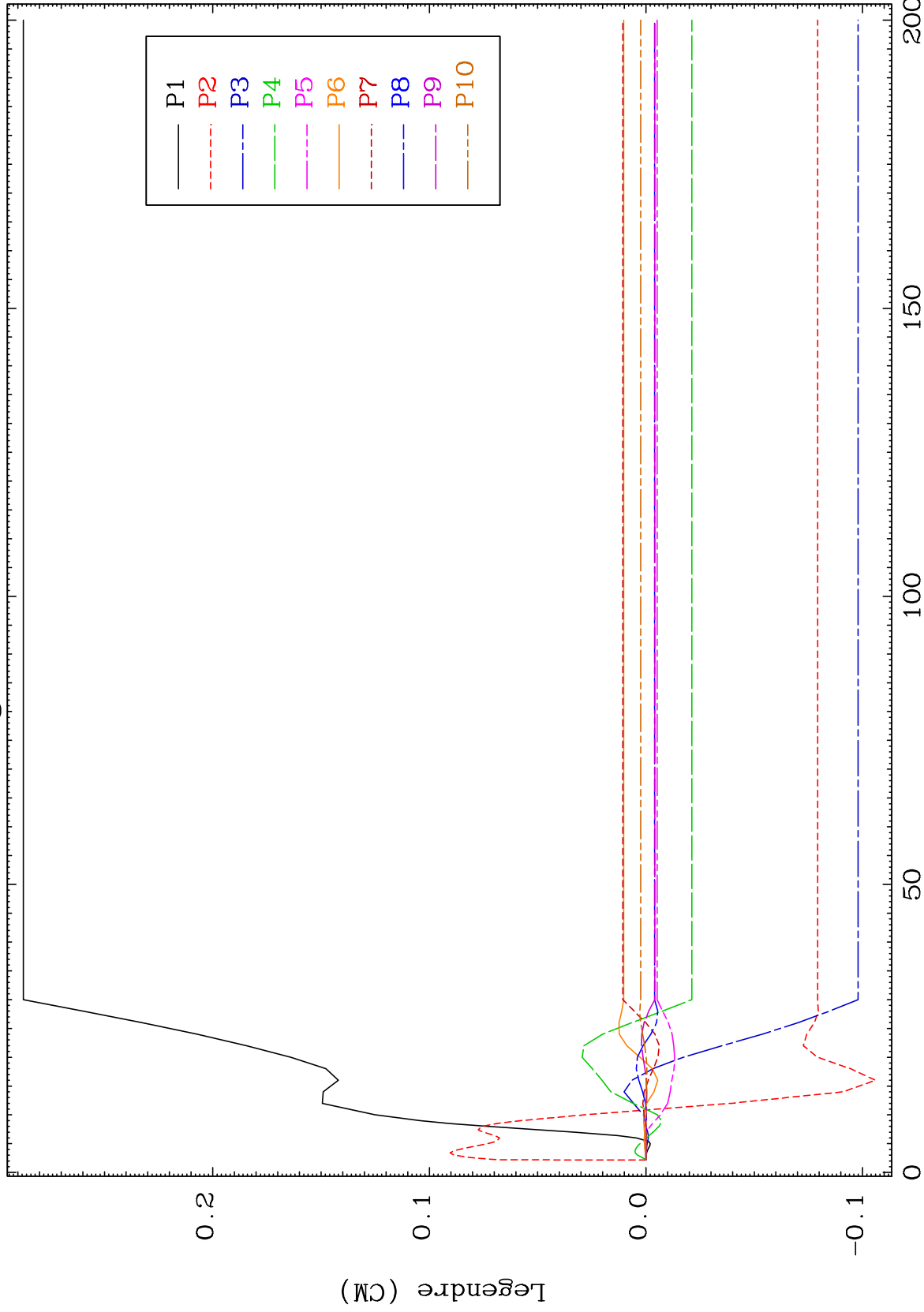
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

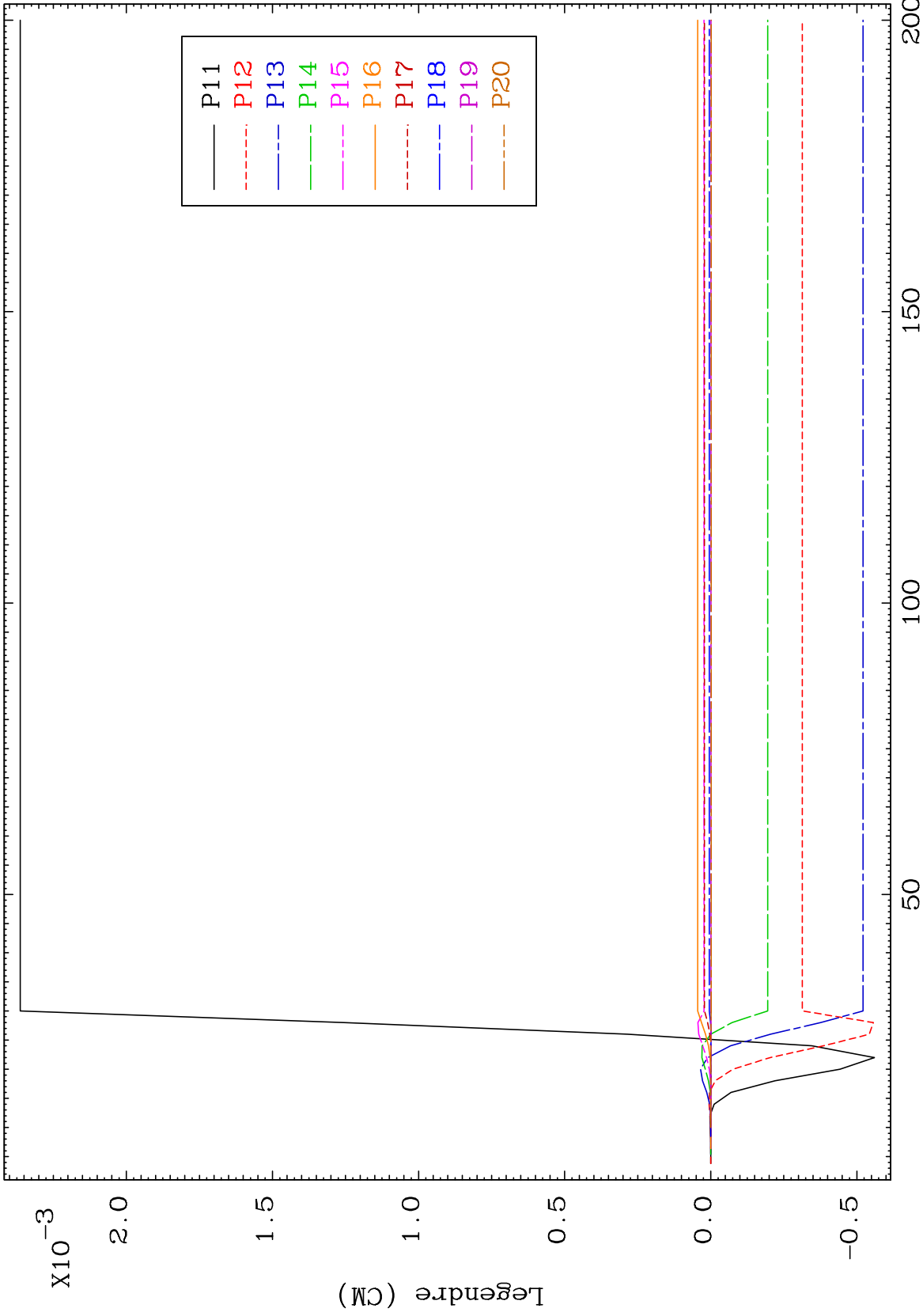
37-Rb-77



84

Incident Energy (MeV)

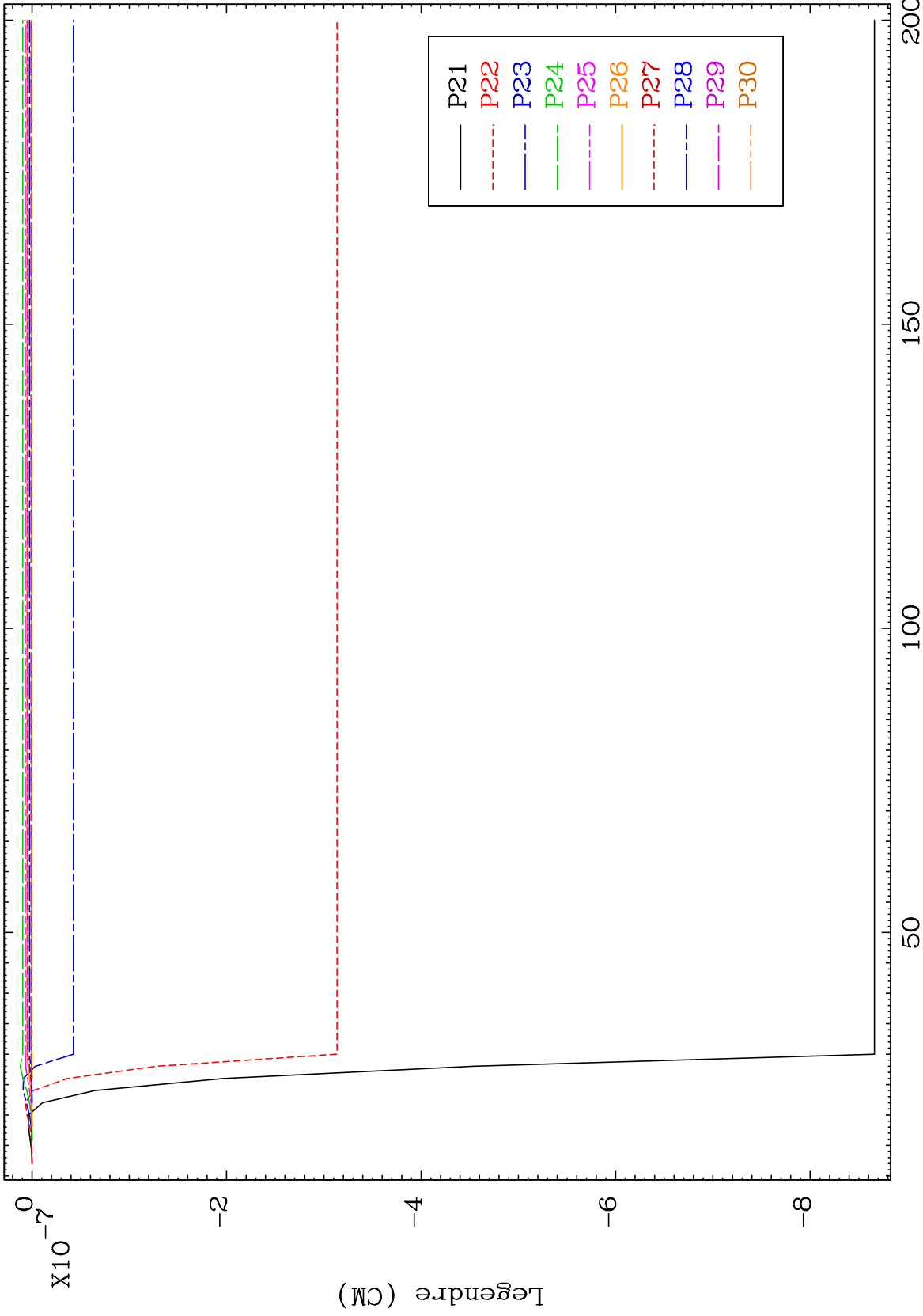
37-Rb-77



MAT 3701

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

37-Rb-77



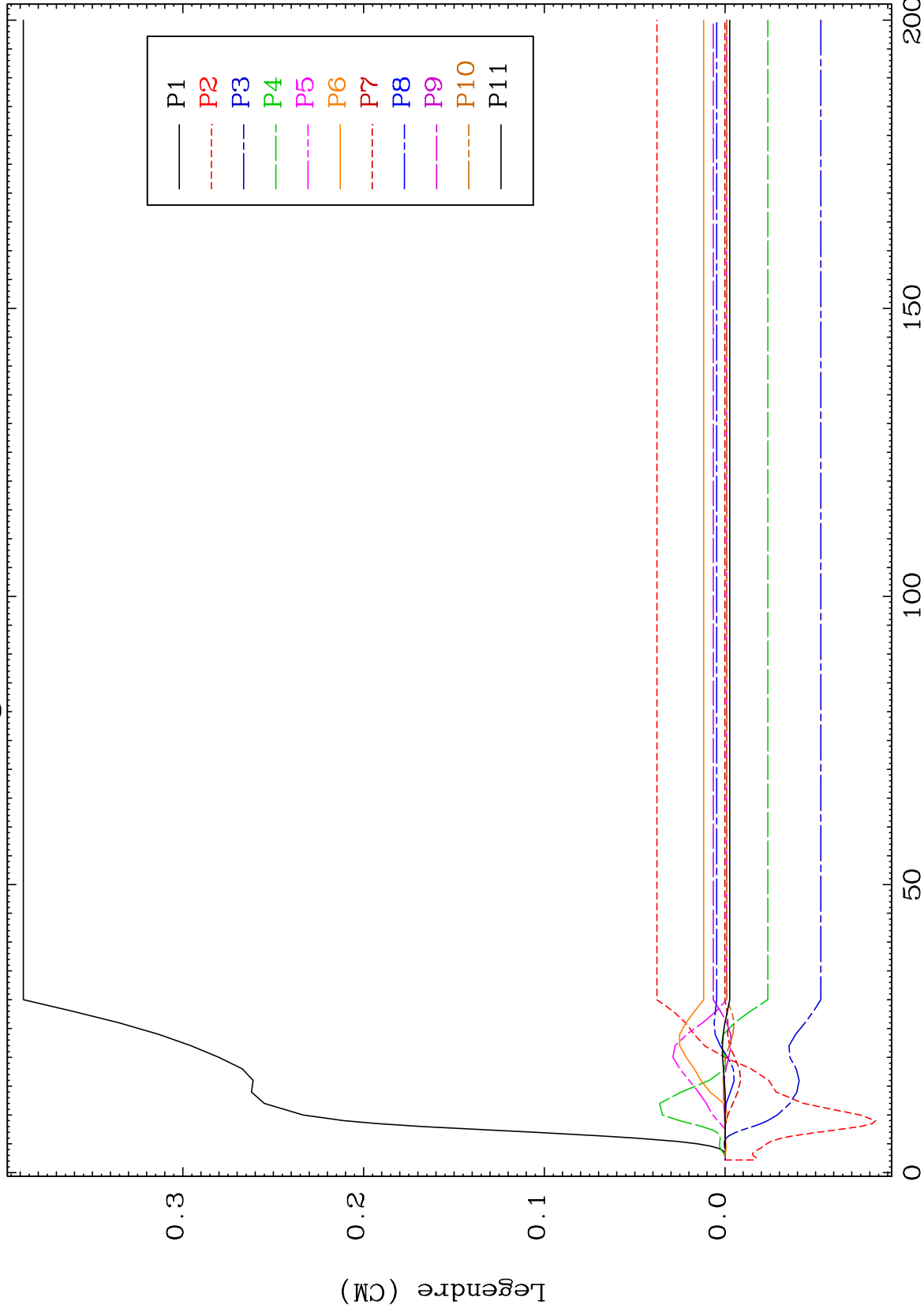
86

37-Rb-77

MAT 3701

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

37-Rb-77



87

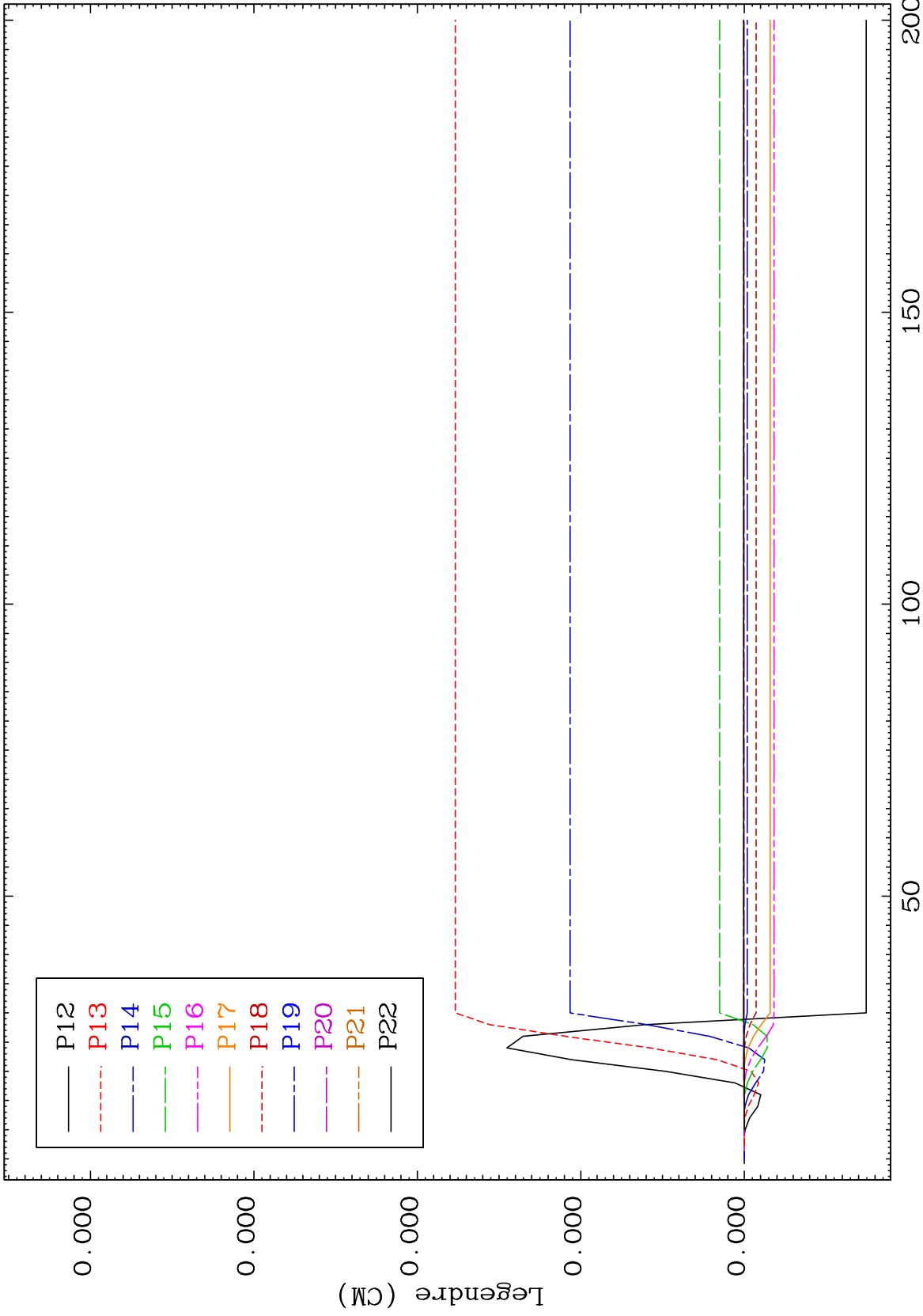
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

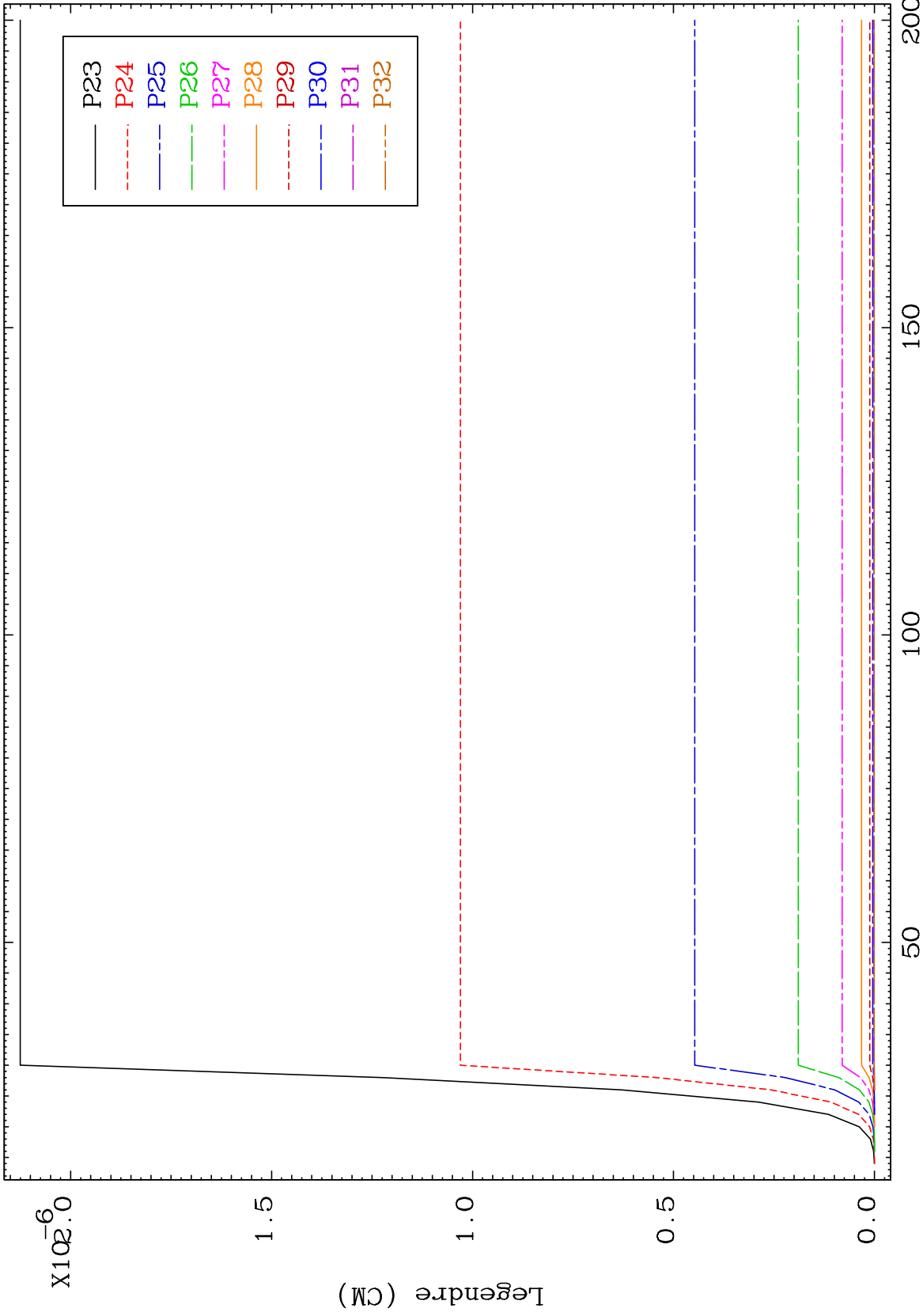
37-Rb-77



MAT 3701

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

37-Rb-77



89

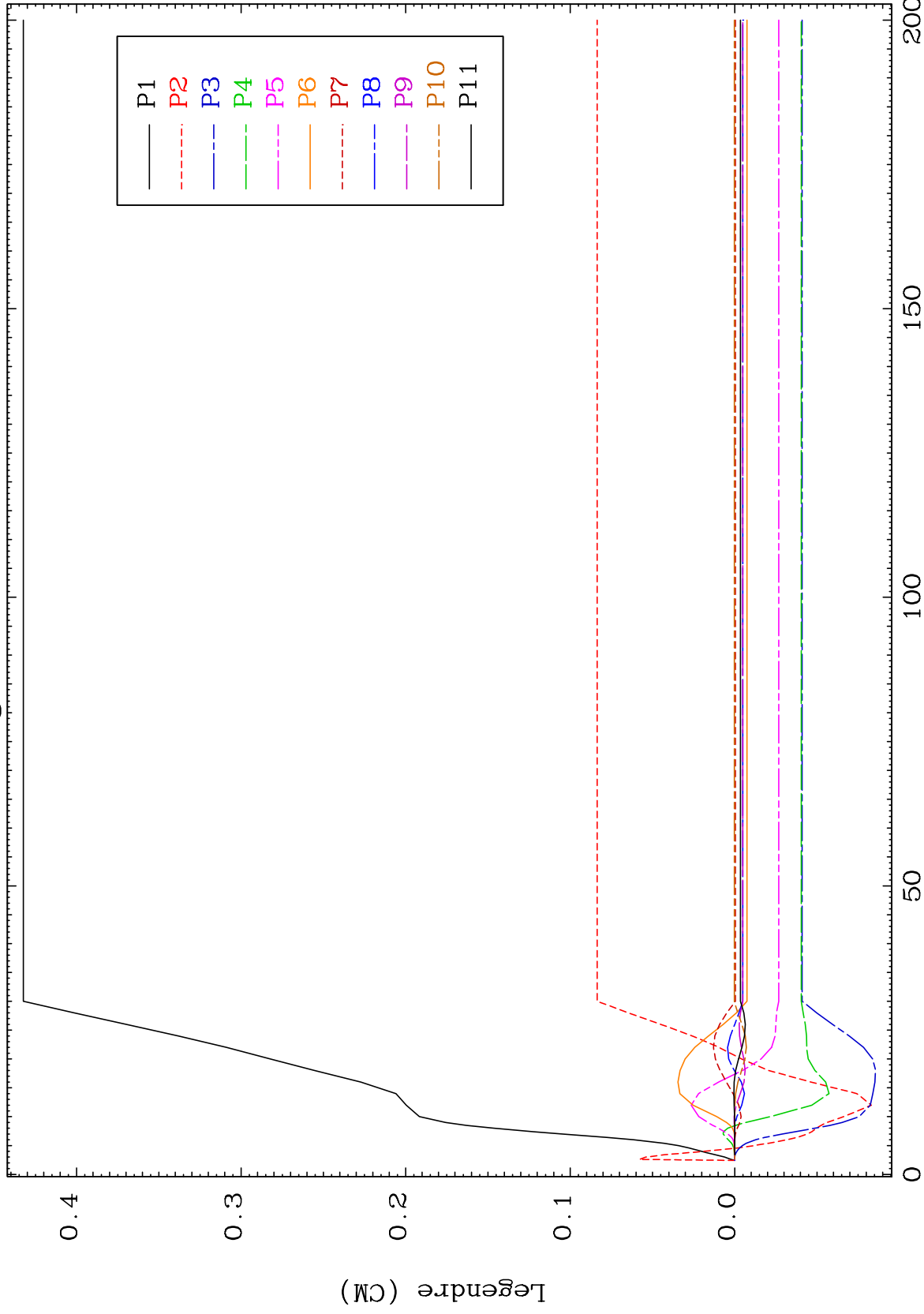
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



37-Rb-77

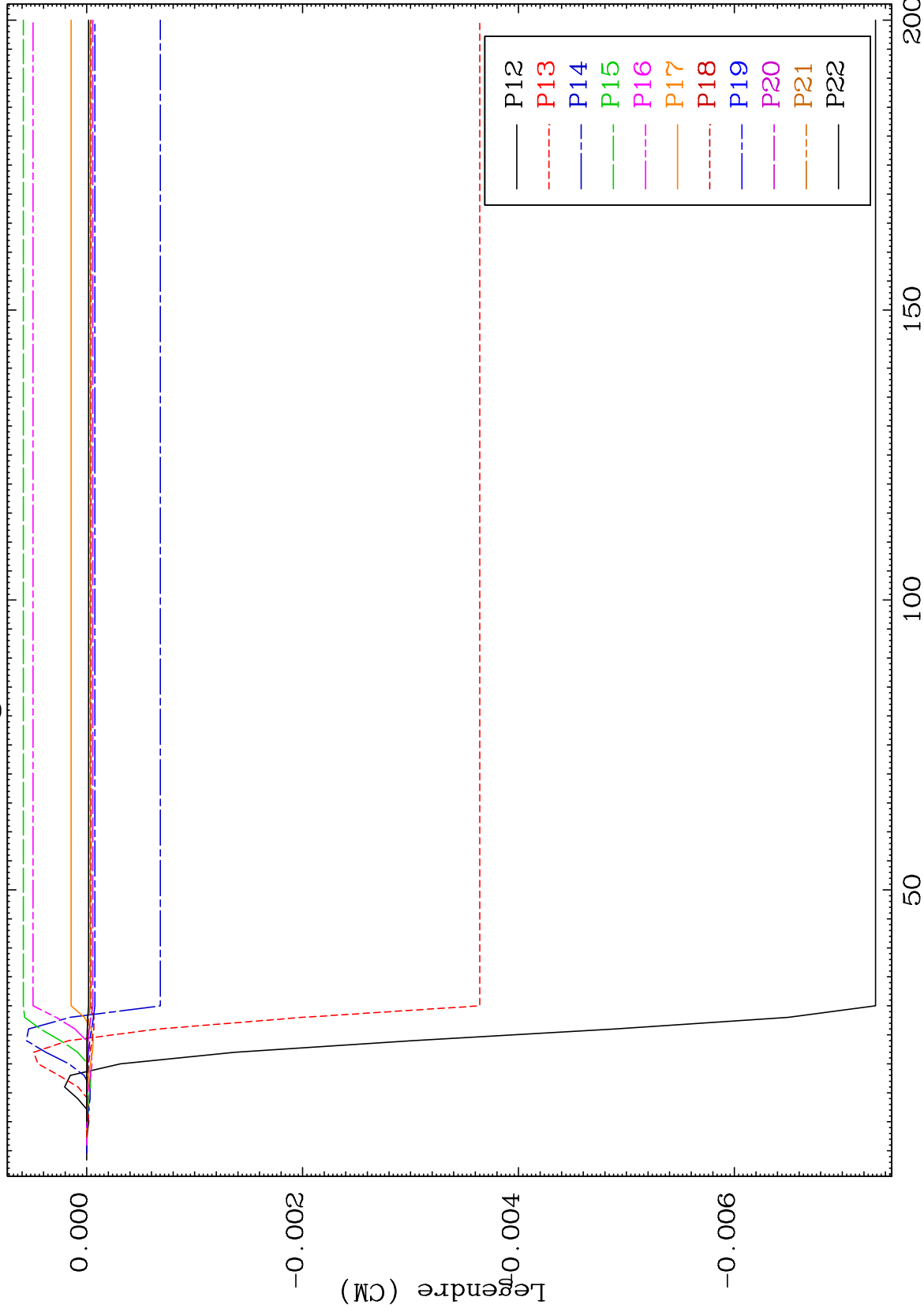
Incident Energy (MeV)

90

MAT 3701

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

37-Rb-77



91

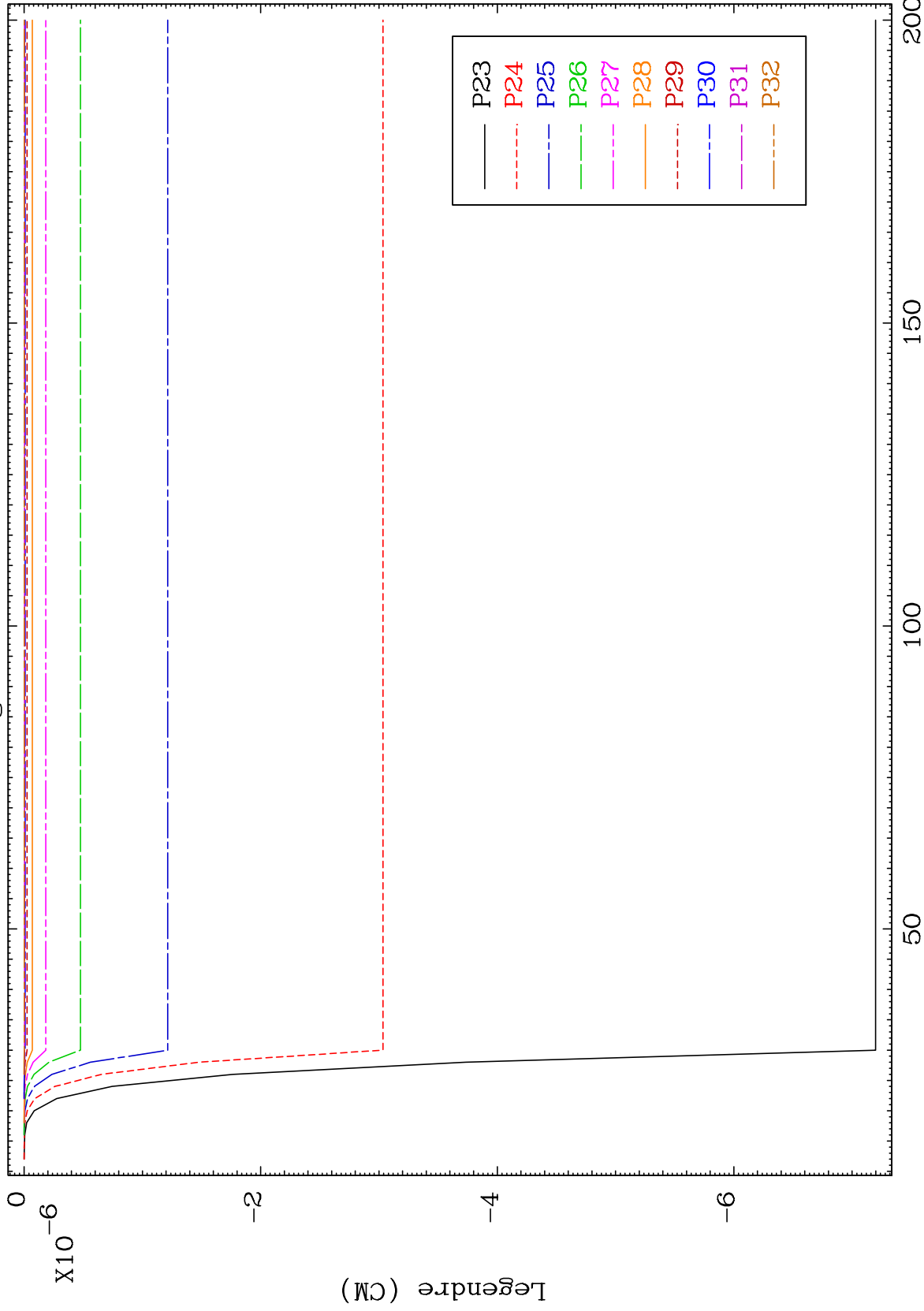
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



92

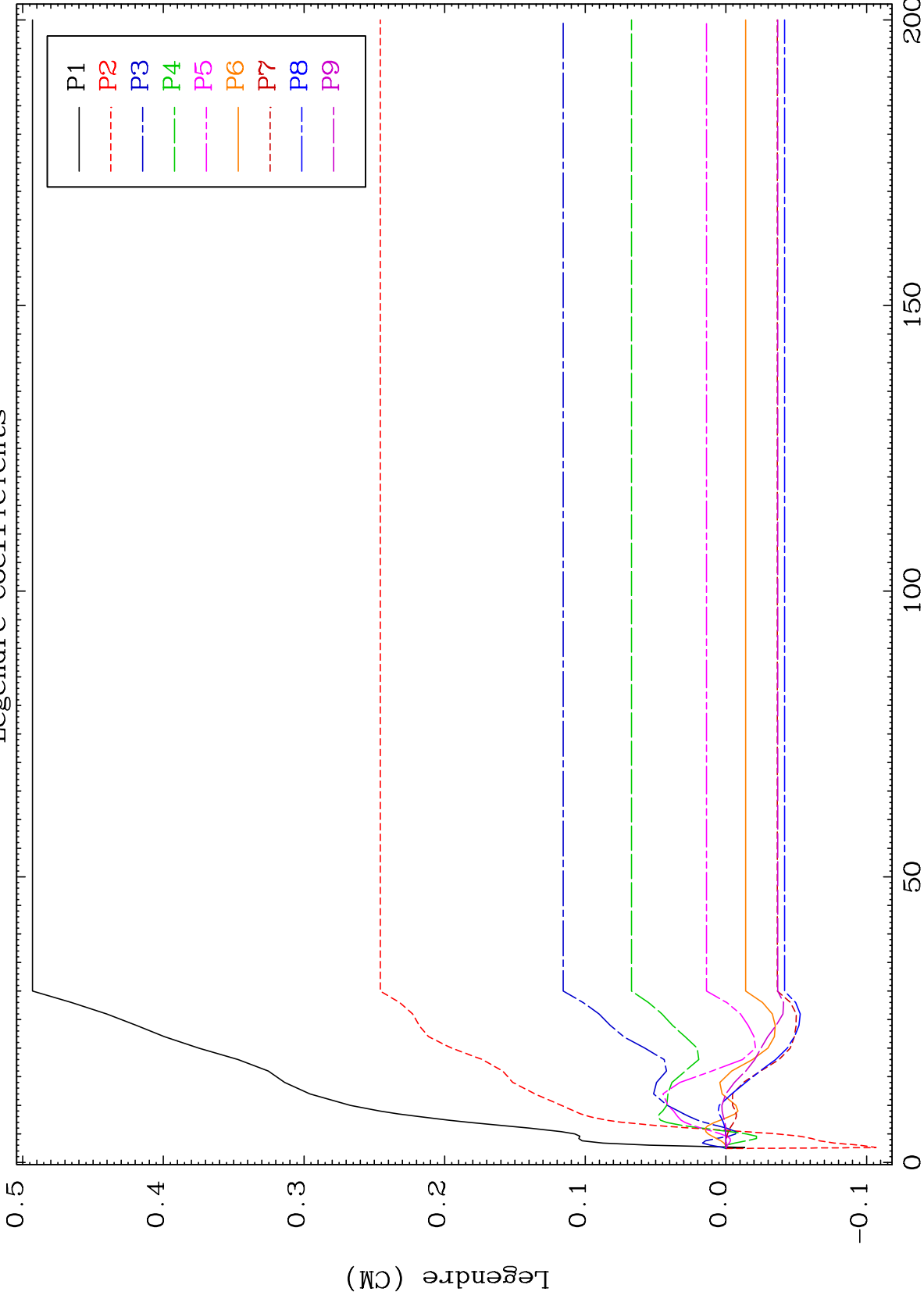
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



93

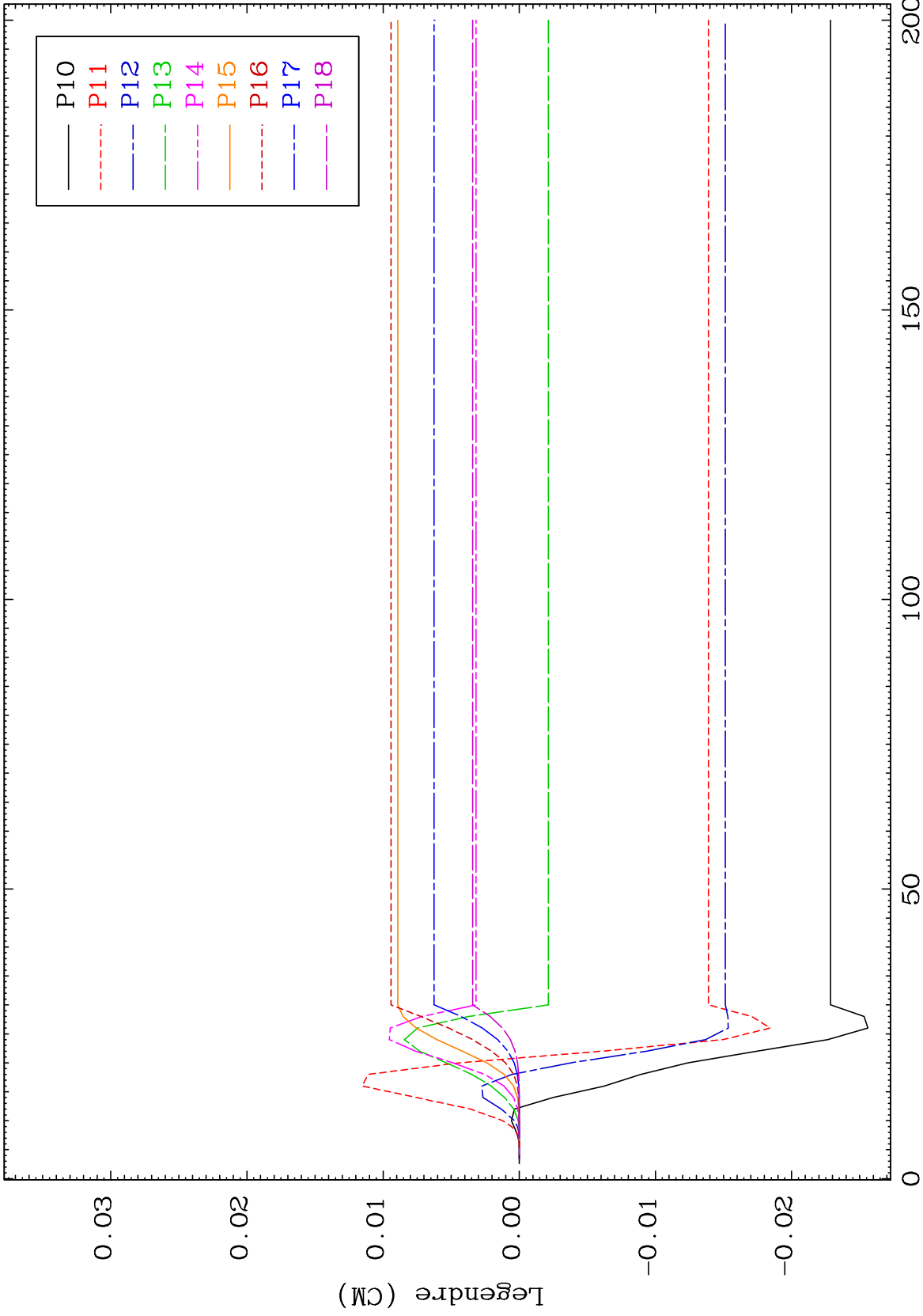
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



94

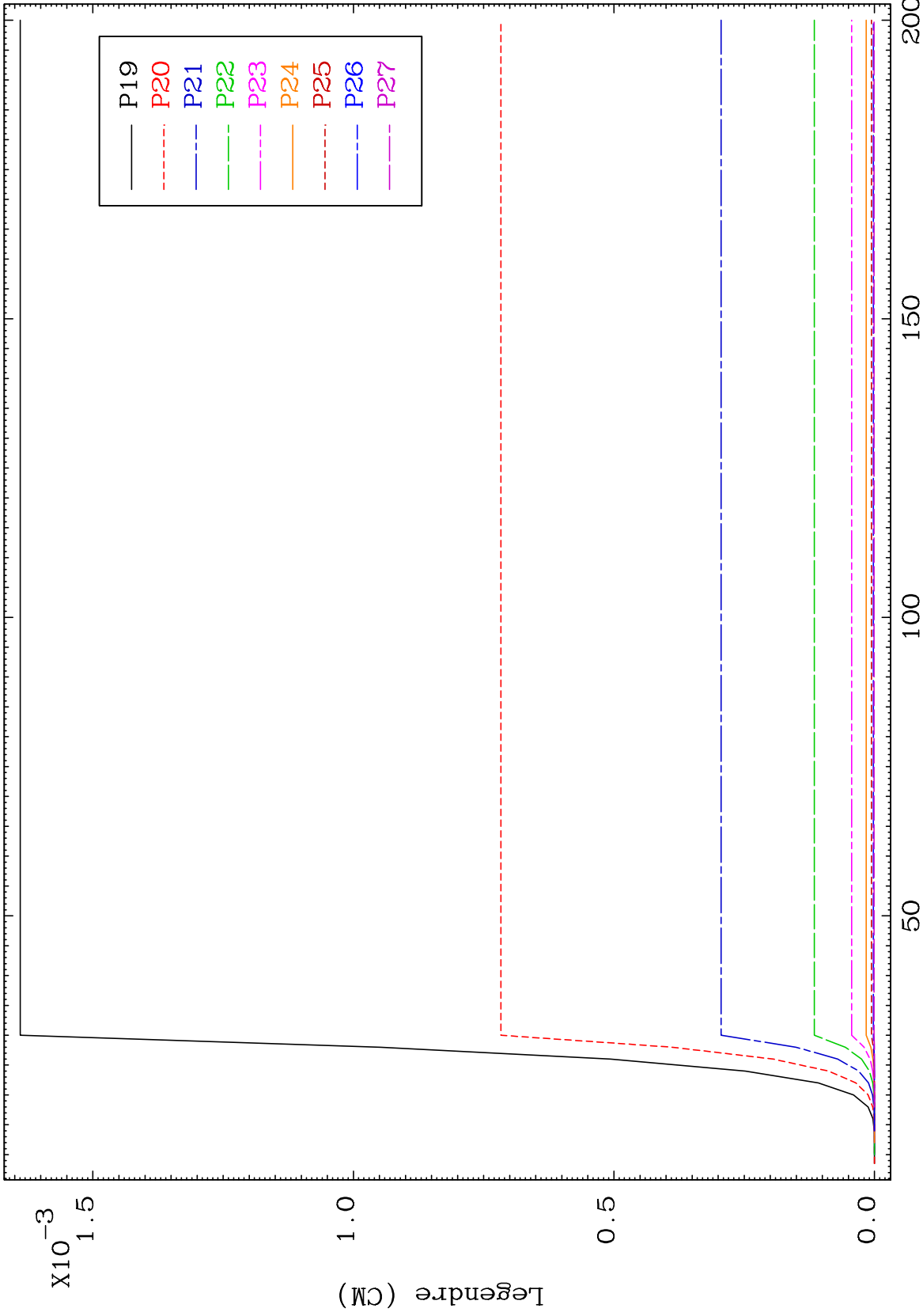
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



95

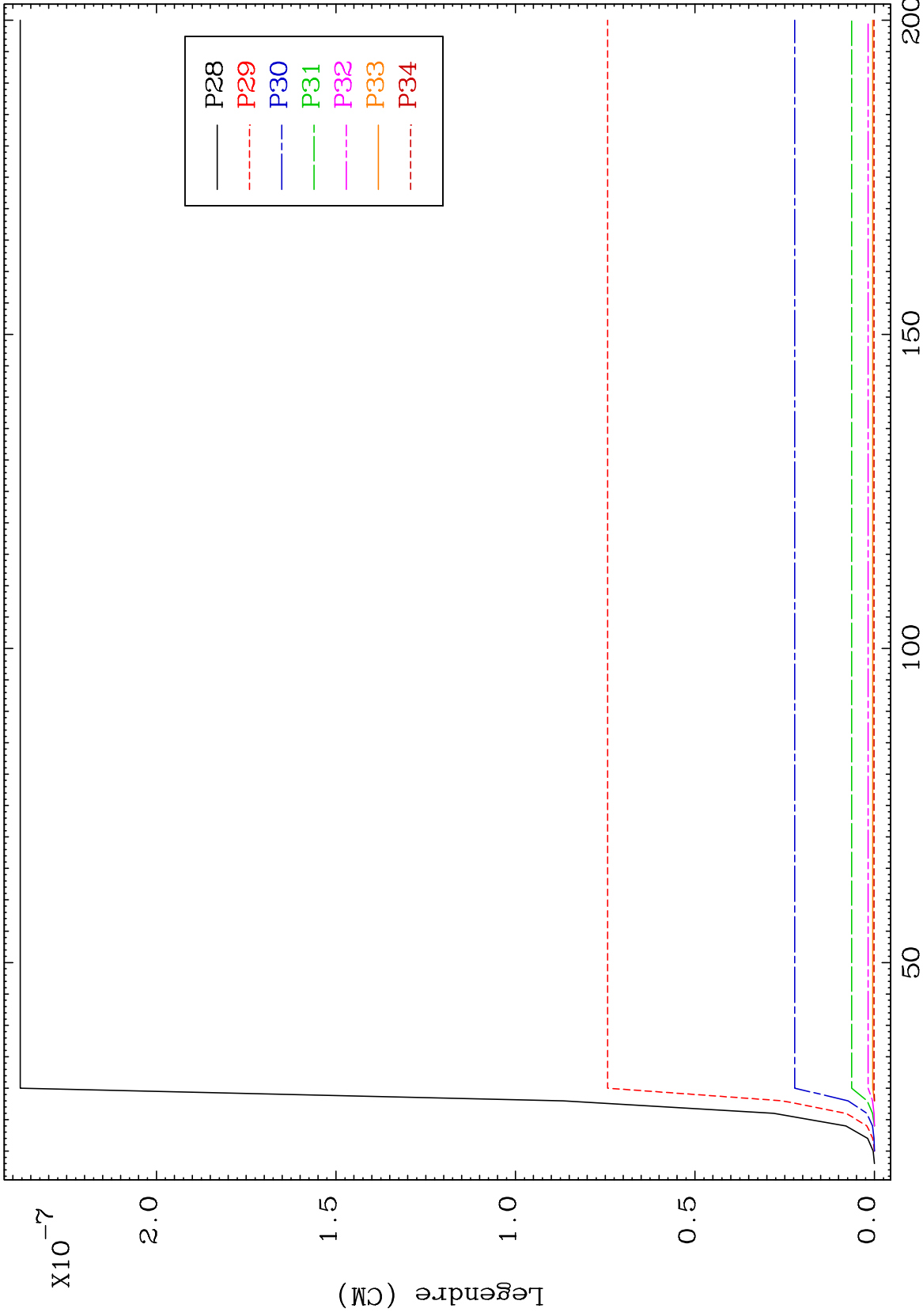
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



96

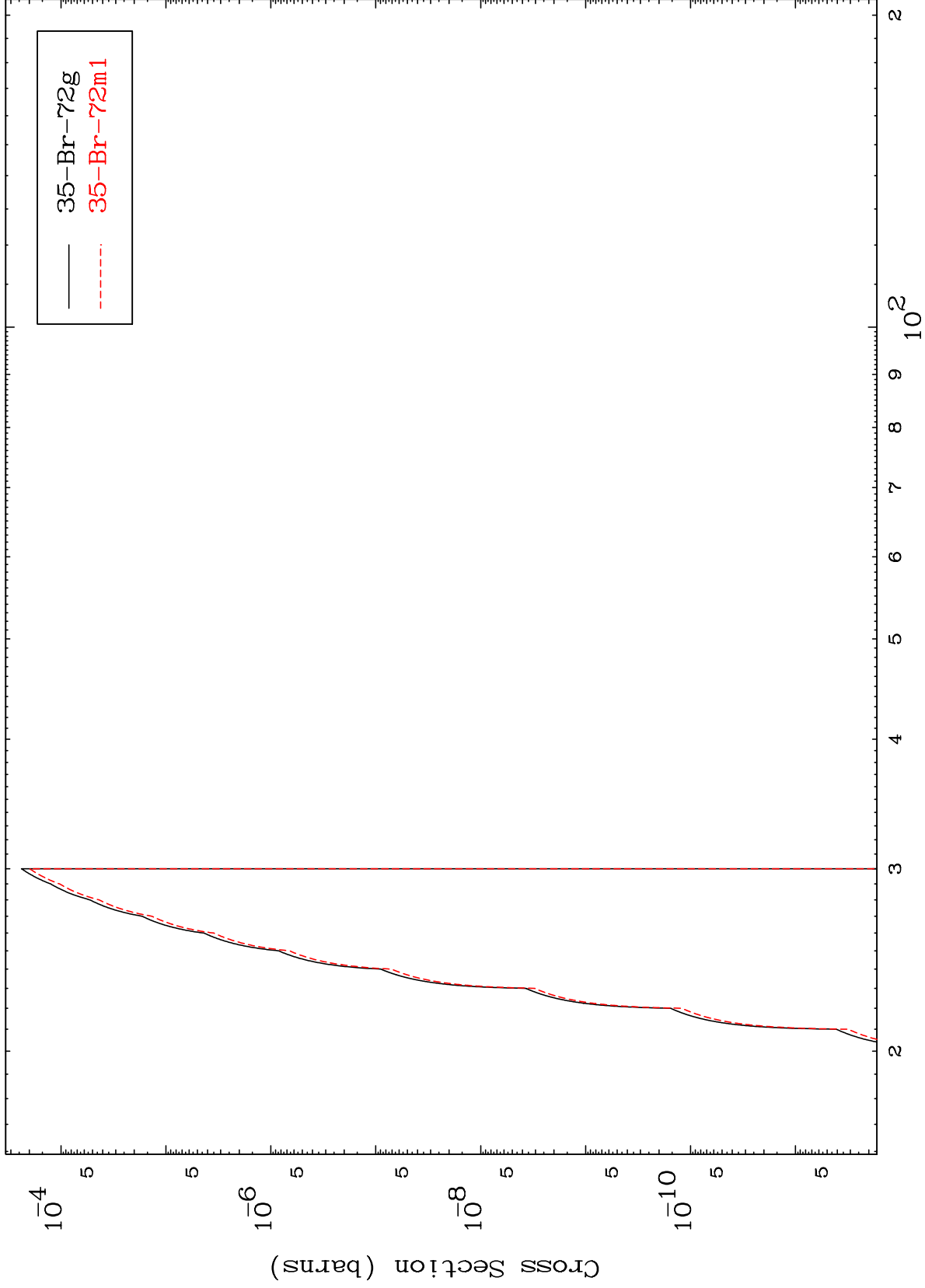
37-Rb-77

MAT 3701

(n,2n) α

37-Rb-77

Radionuclide Production Cross Section



97

Incident Energy (MeV)

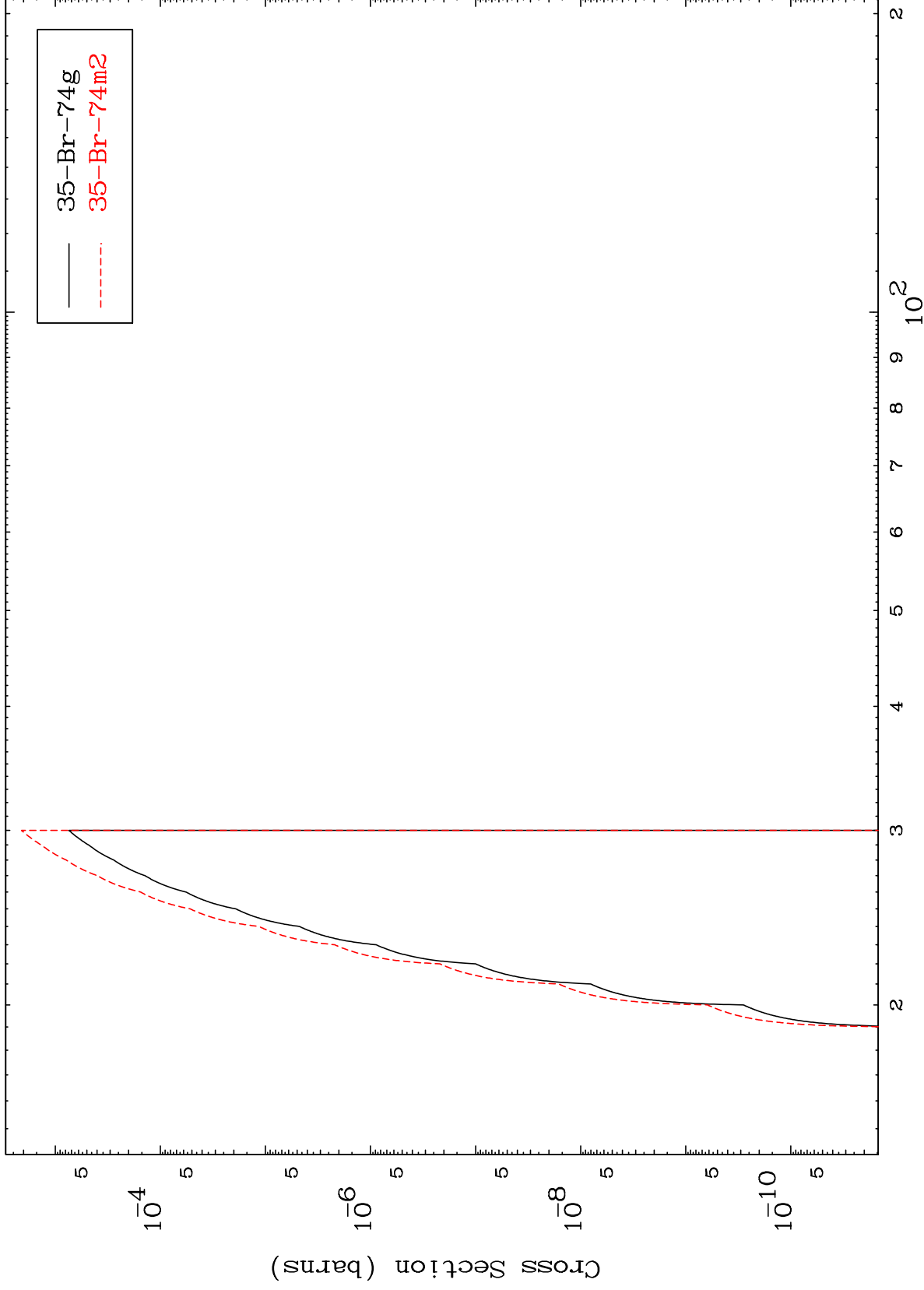
37-Rb-77

MAT 3701

(n, n') He-3

37-Rb-77

Radionuclide Production Cross Section



98

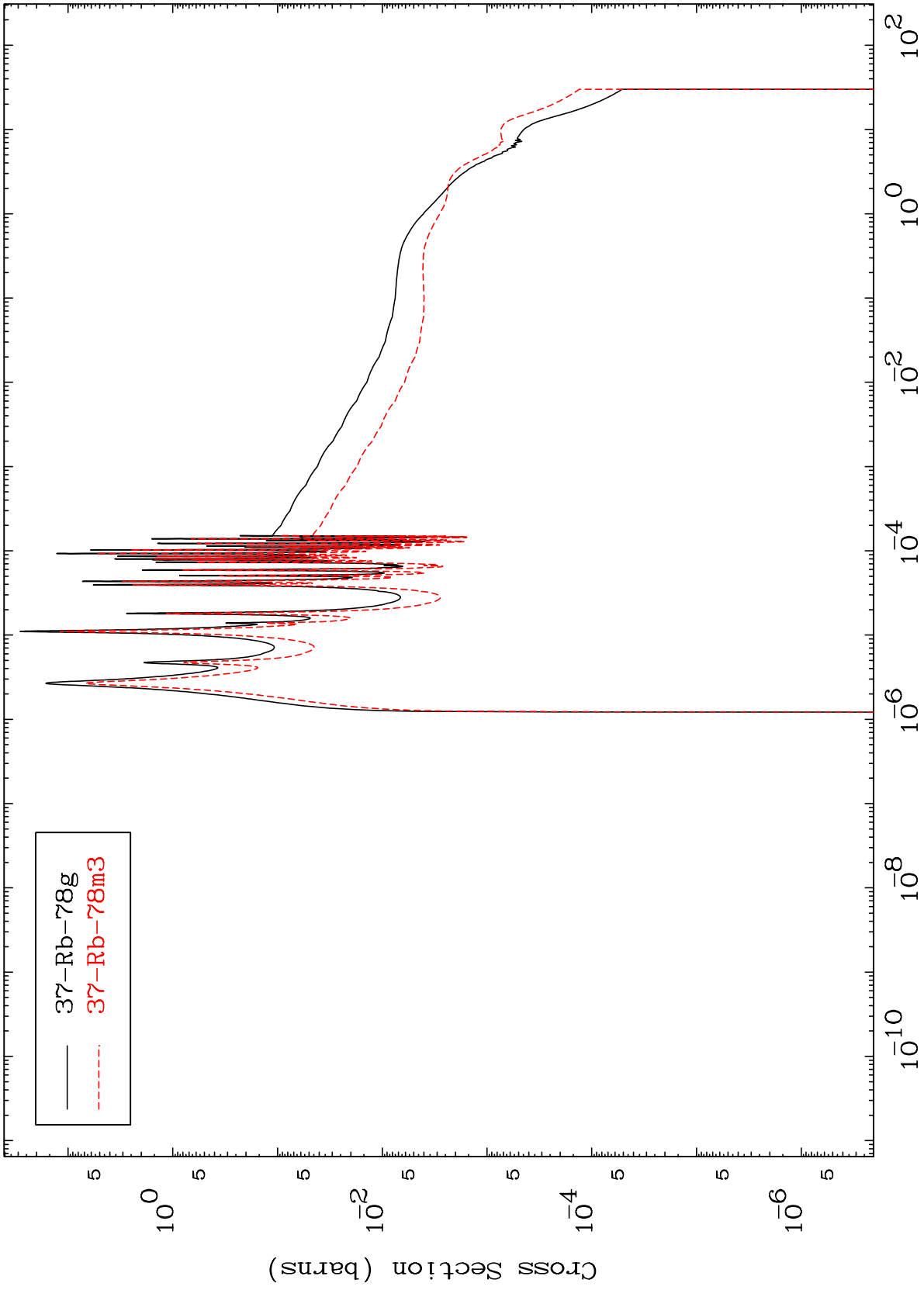
Incident Energy (MeV)

37-Rb-77

MAT 3701

37-Rb-77

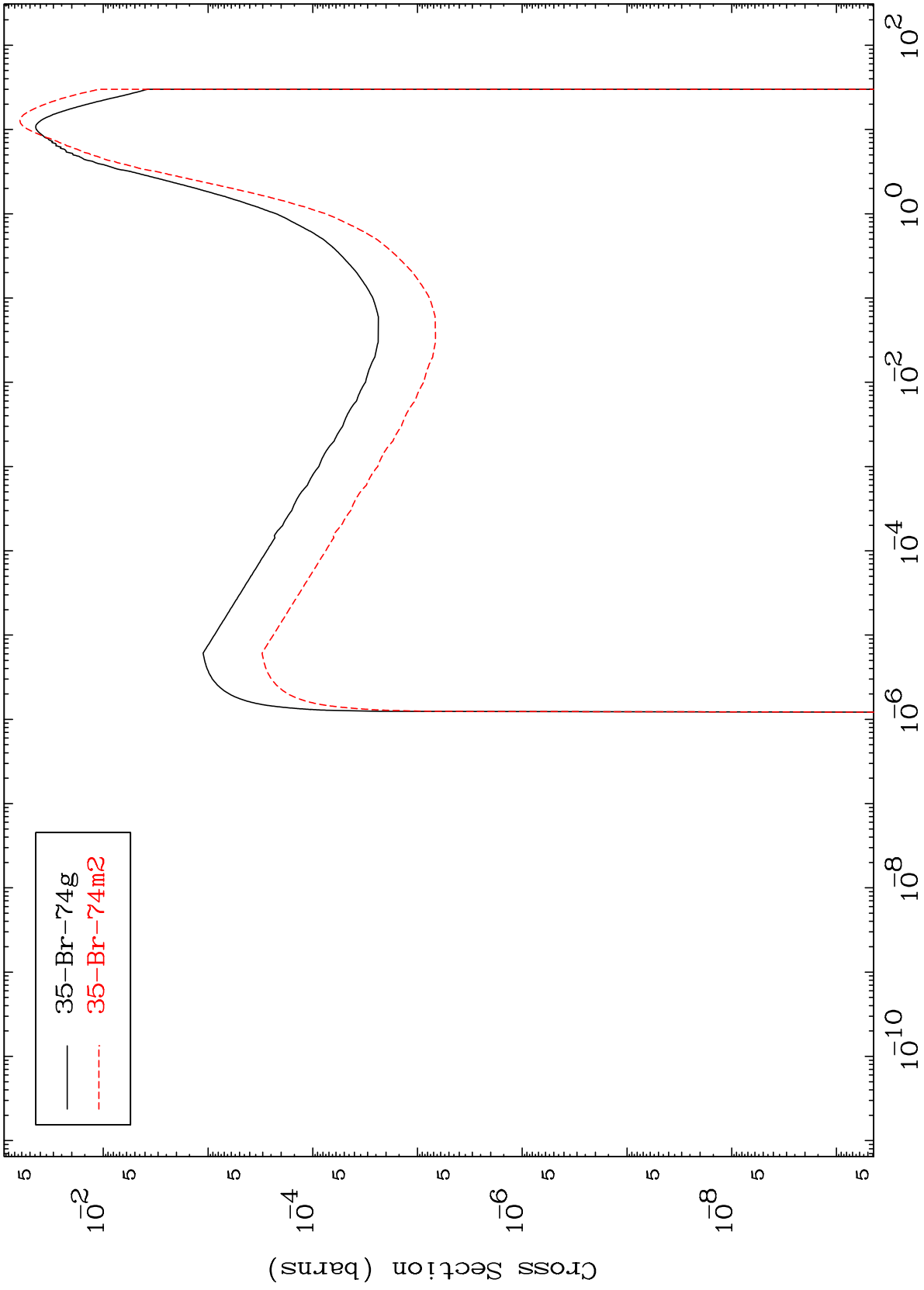
(n,γ)
Radionuclide Production Cross Section



MAT 3701

Radionuclide Production Cross Section
(n, α)

³⁷Rb-⁷⁷



— 35-Br-74g
- - - 35-Br-74m2

³⁷Rb-⁷⁷

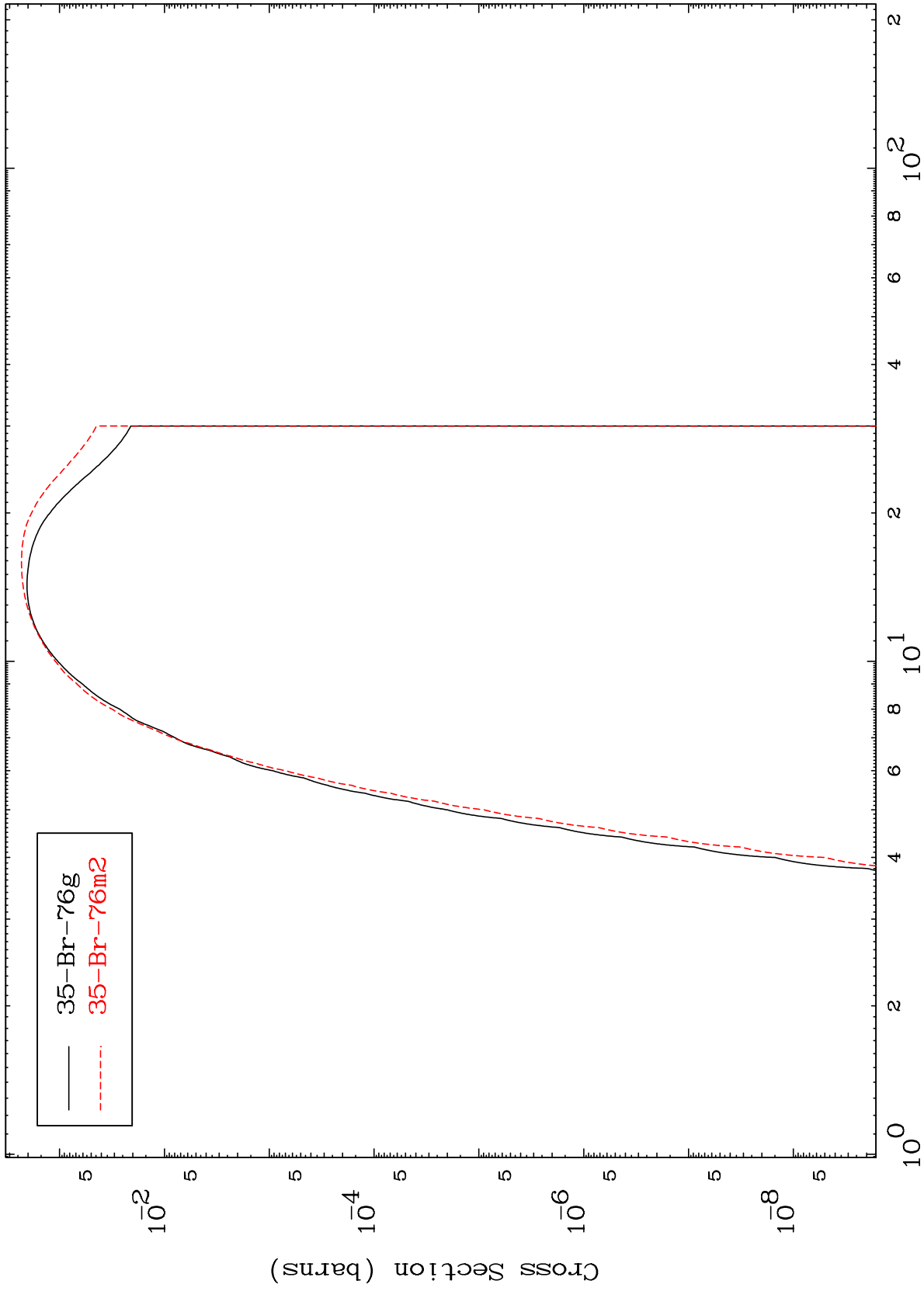
Incident Energy (MeV)

100

MAT 3701

37-Rb-77

(n,2p)
Radionuclide Production Cross Section



101

Incident Energy (MeV)

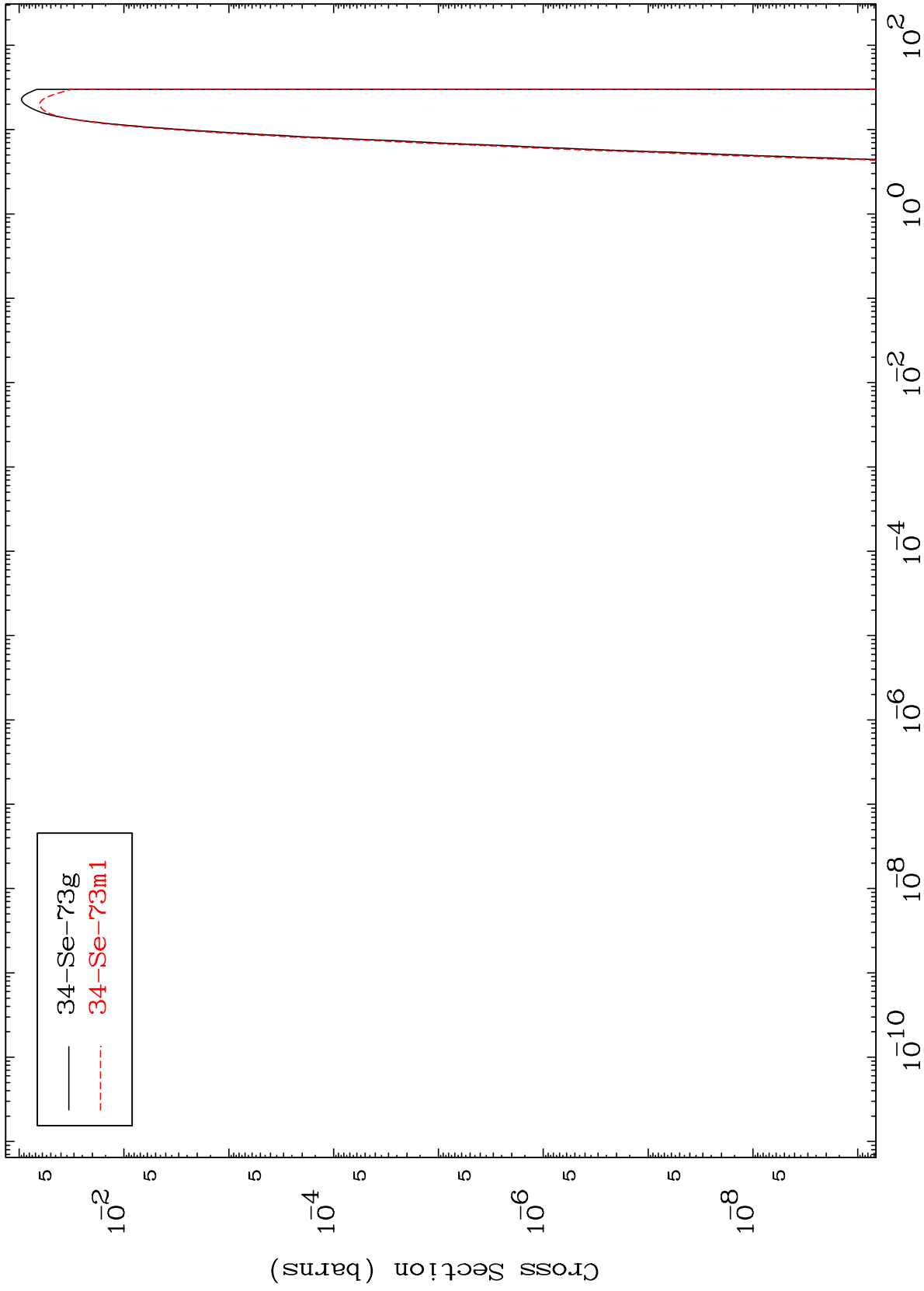
37-Rb-77

MAT 3701

(n,p) α

37-Rb-77

Radionuclide Production Cross Section



102

Incident Energy (MeV)

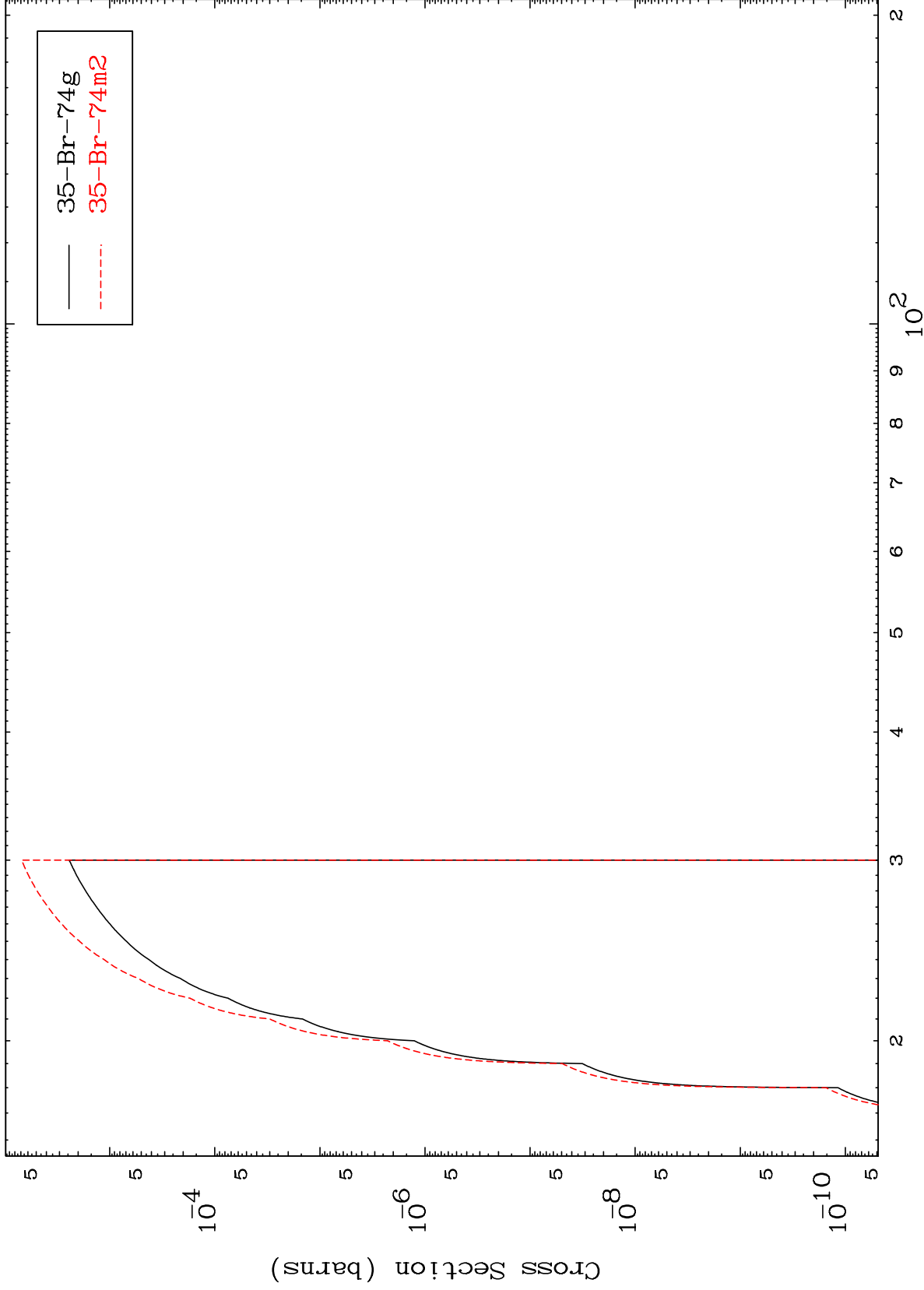
37-Rb-77

MAT 3701

(n,p) t

37-Rb-77

Radionuclide Production Cross Section



103

Incident Energy (MeV)

37-Rb-77