

Program EVALPLOT
(Version 2017-1)

by

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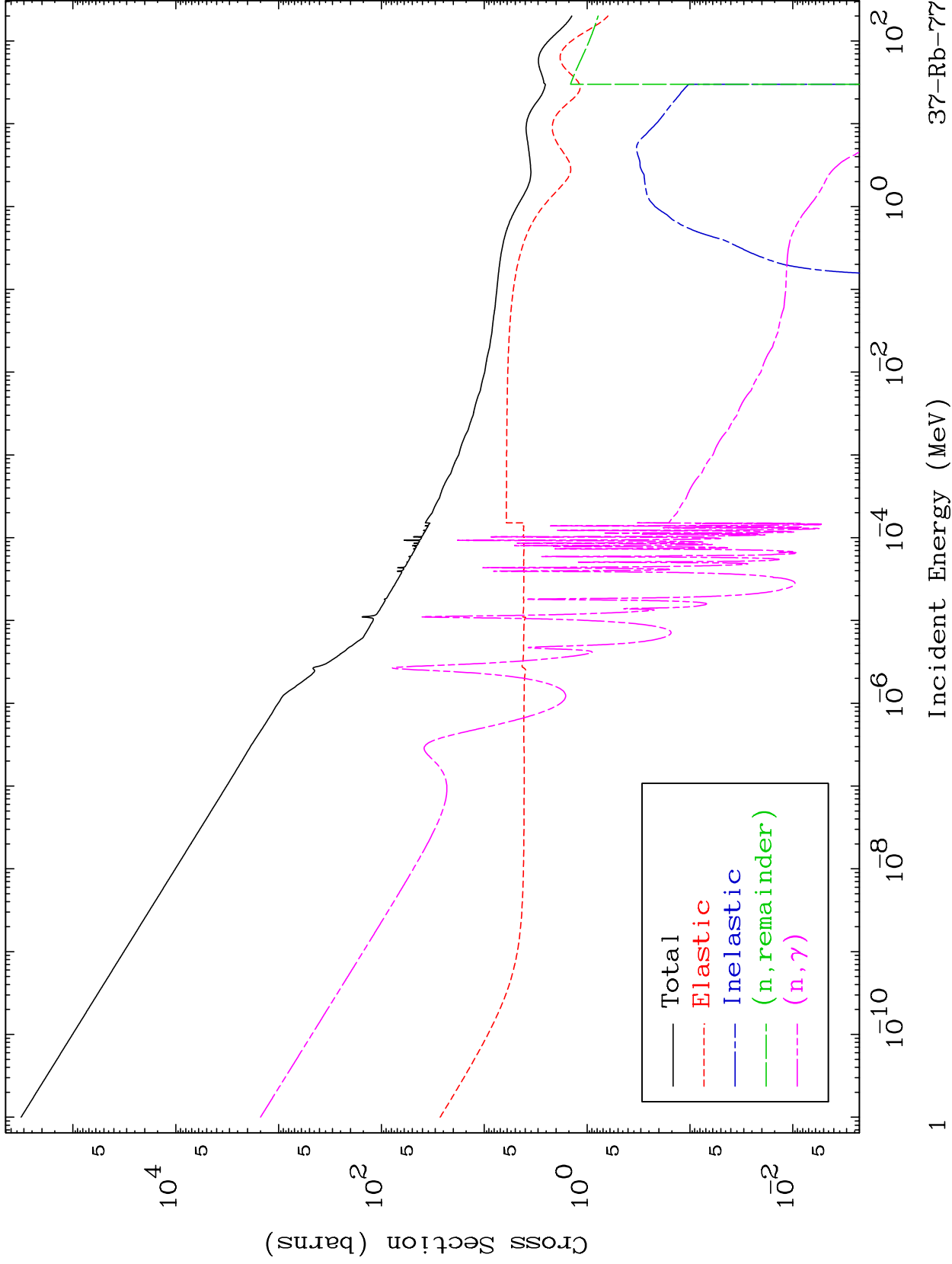
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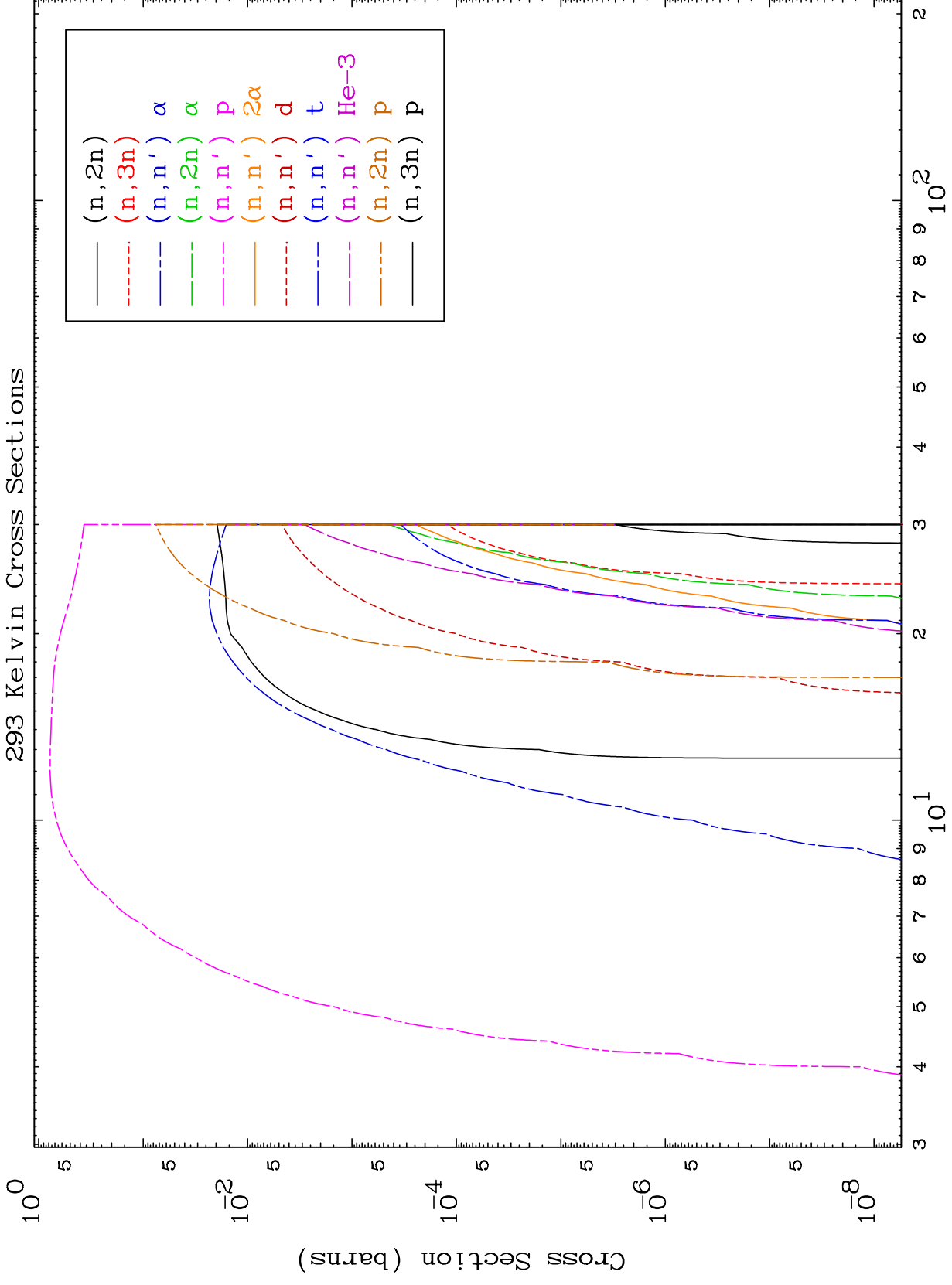
Press Mouse Button to Start

MAT 3701

Major
293 Kelvin Cross Sections

37-Rb-77

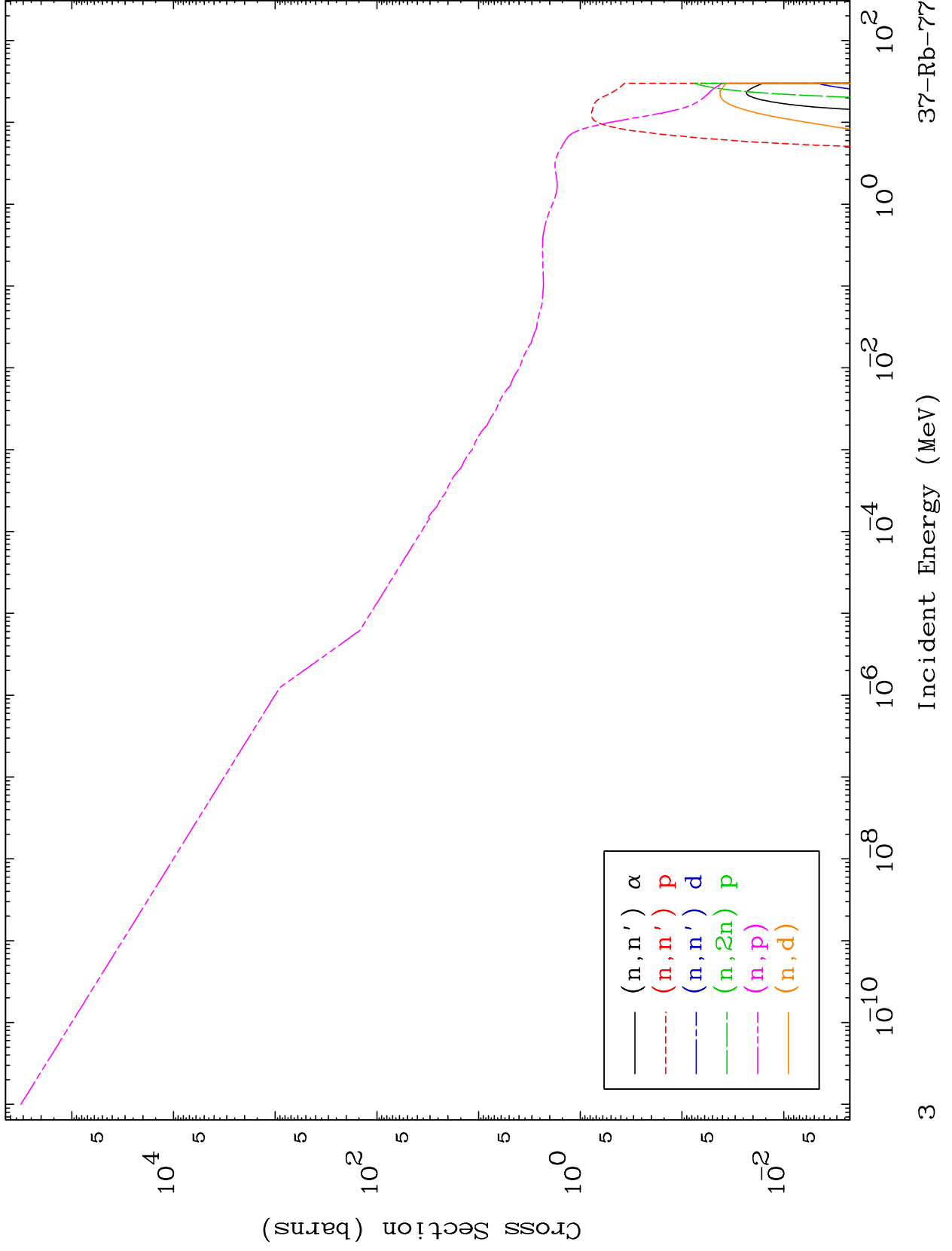




MAT 3701

Charged Particle
293 Kelvin Cross Sections

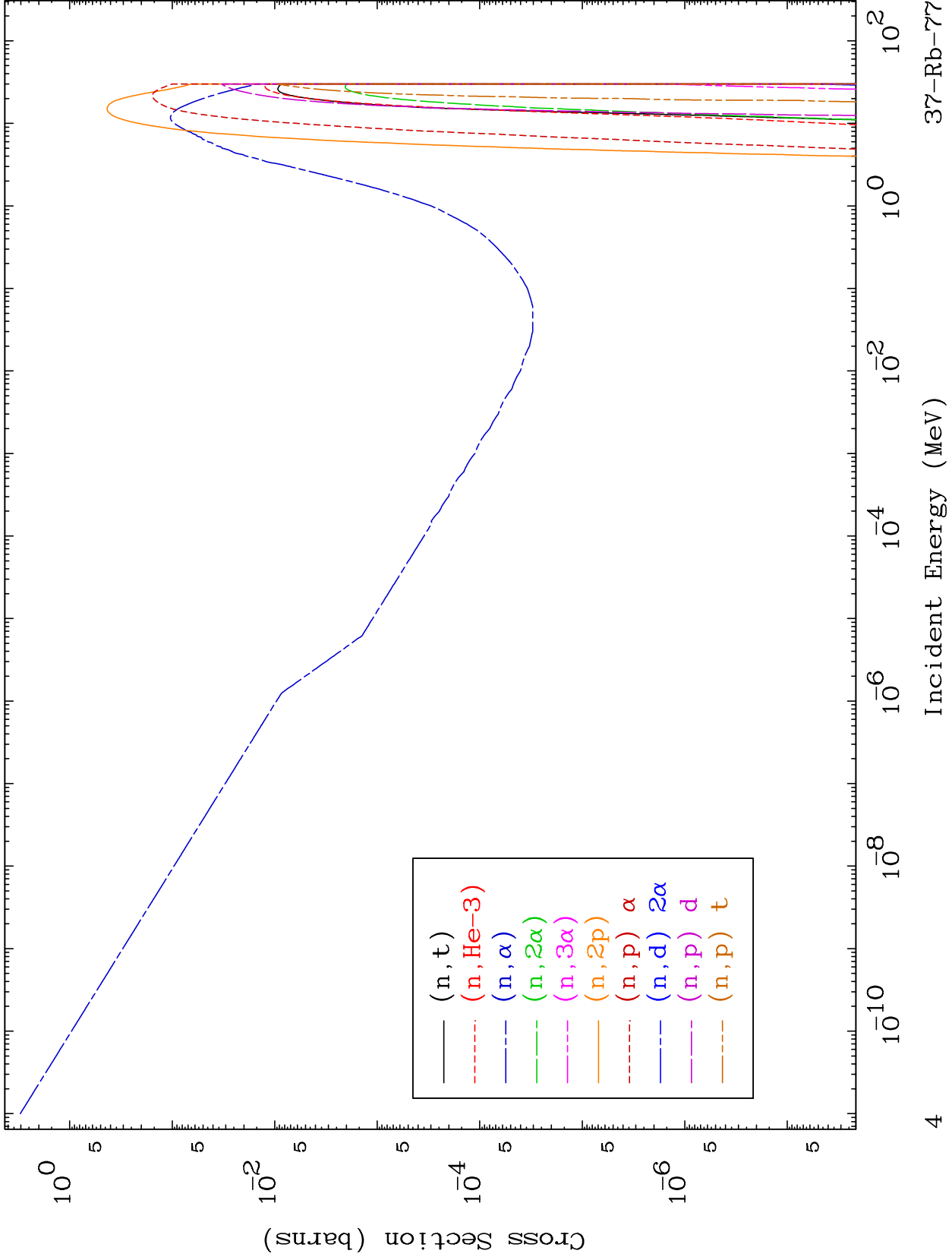
37-Rb-77



MAT 3701

Charged Particle
293 Kelvin Cross Sections

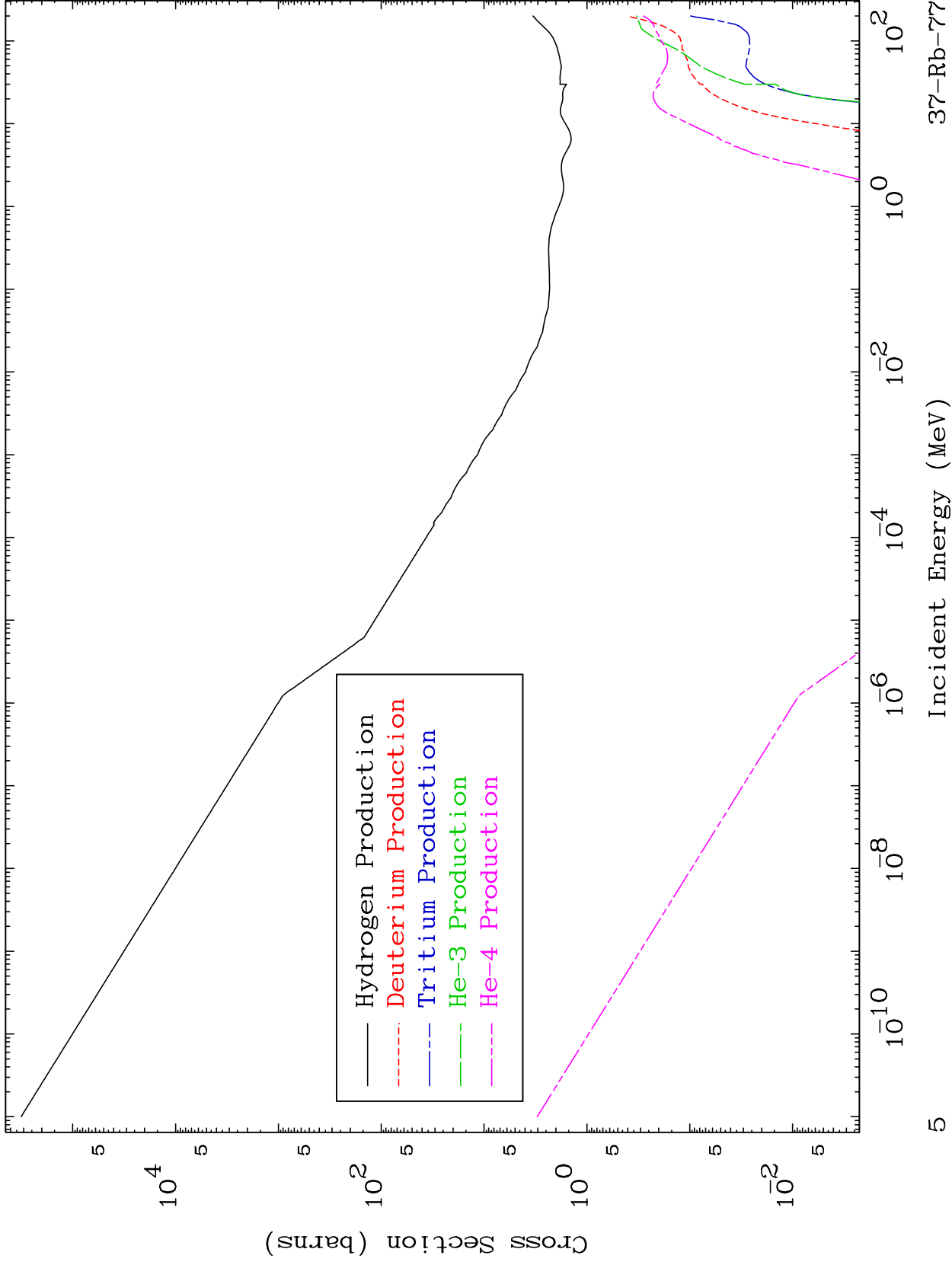
37-Rb-77

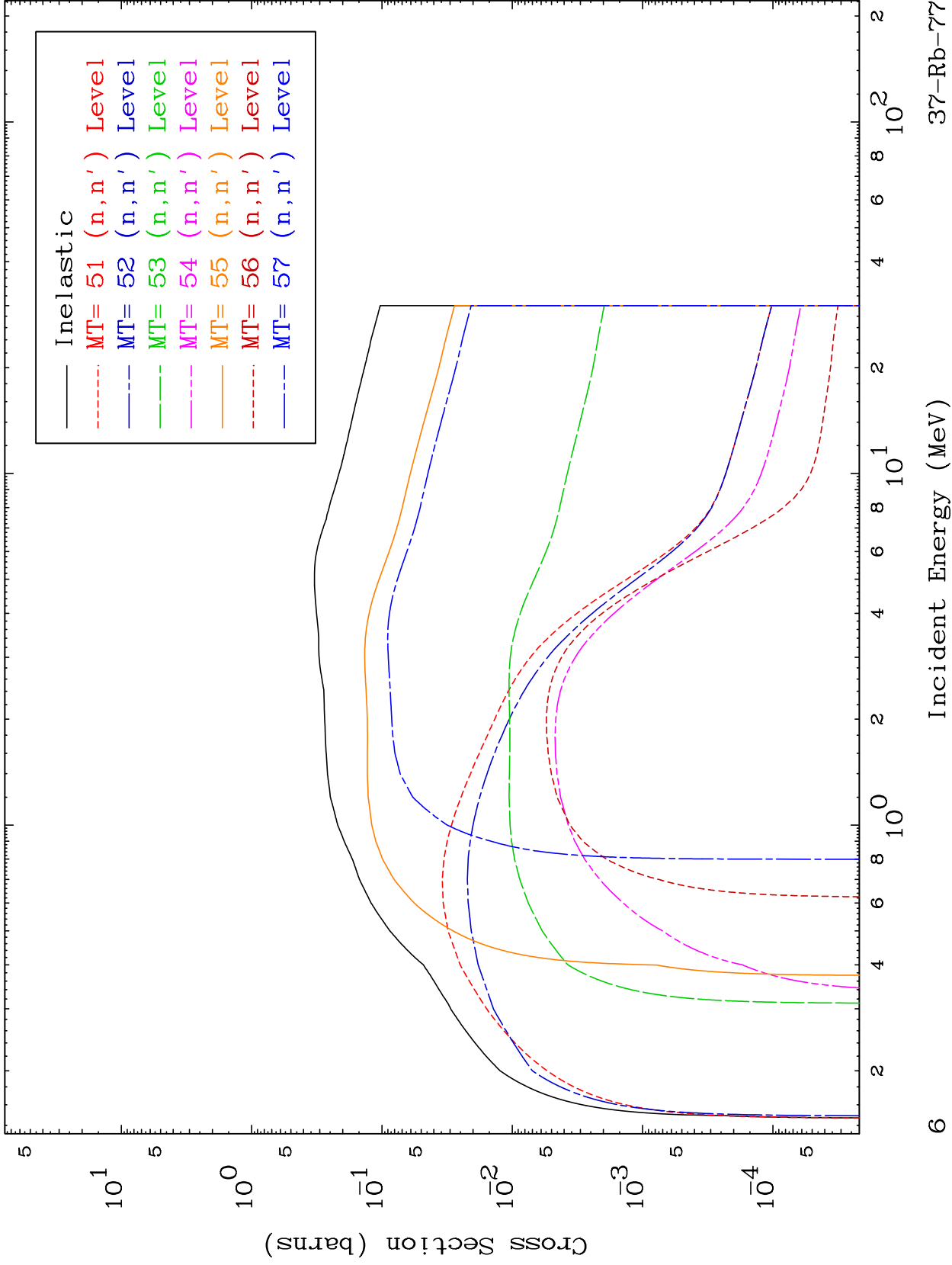


MAT 3701

Particle Production
293 Kelvin Cross Sections

37-Rb-77



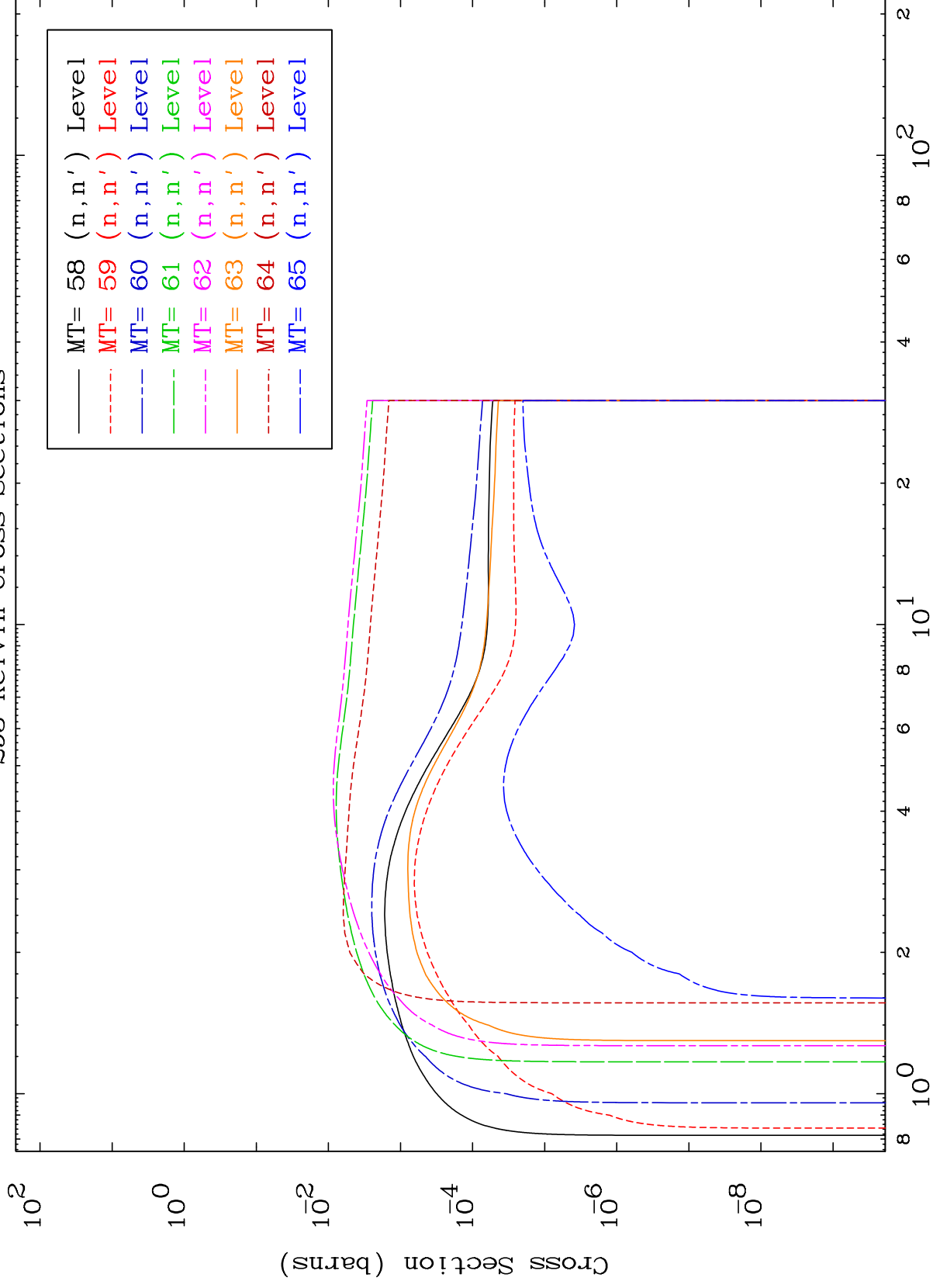


MAT 3701

(n,n') Level

293 Kelvin Cross Sections

37-Rb-77



Incident Energy (MeV)

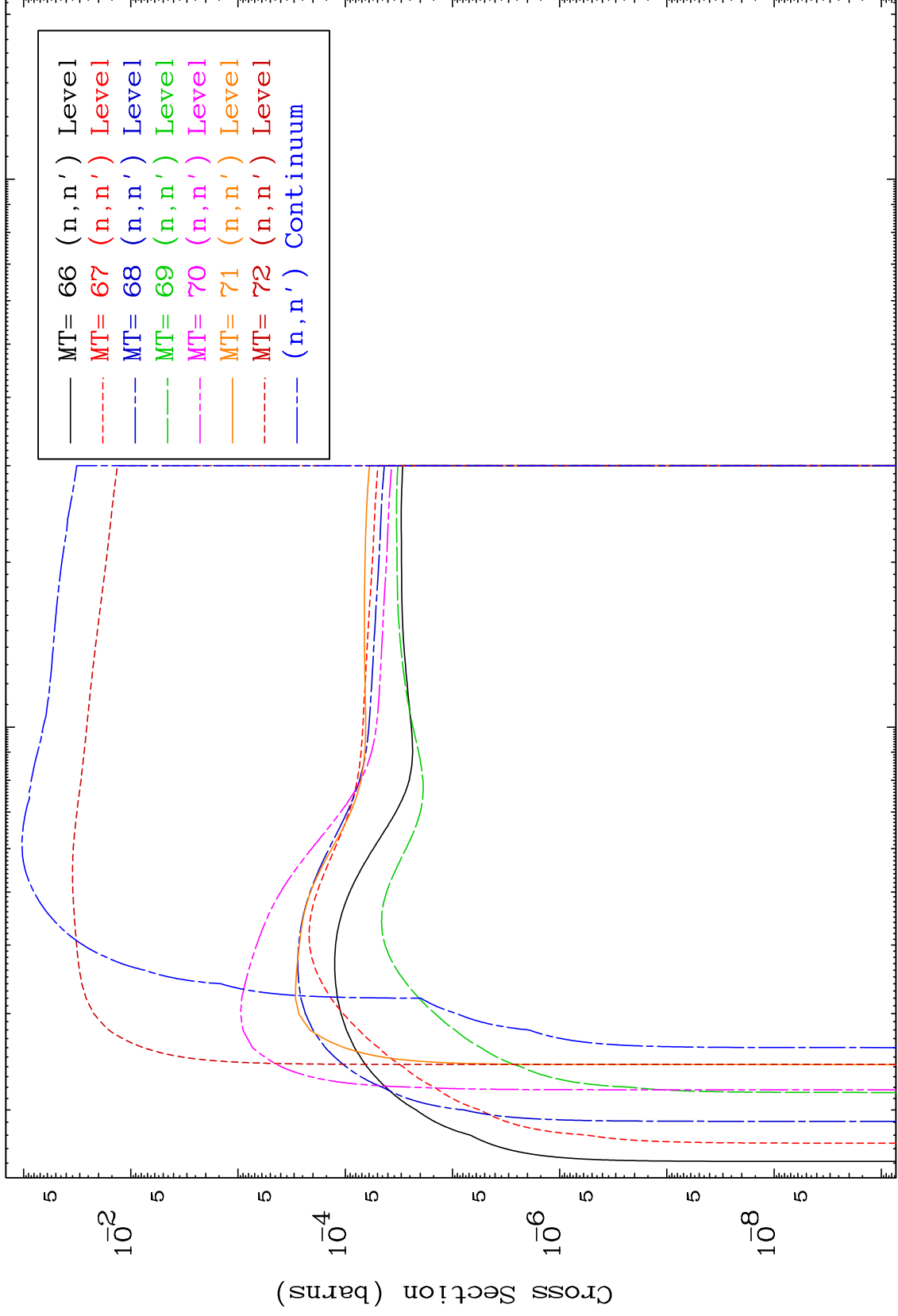
37-Rb-77

MAT 3701

(n,n') Level

37-Rb-77

293 Kelvin Cross Sections



8 10¹ 2

4 6 8 10²

Incident Energy (MeV)

10⁻² 10⁻⁴ 10⁻⁶ 10⁻⁸

Cross Section (barns)

37-Rb-77

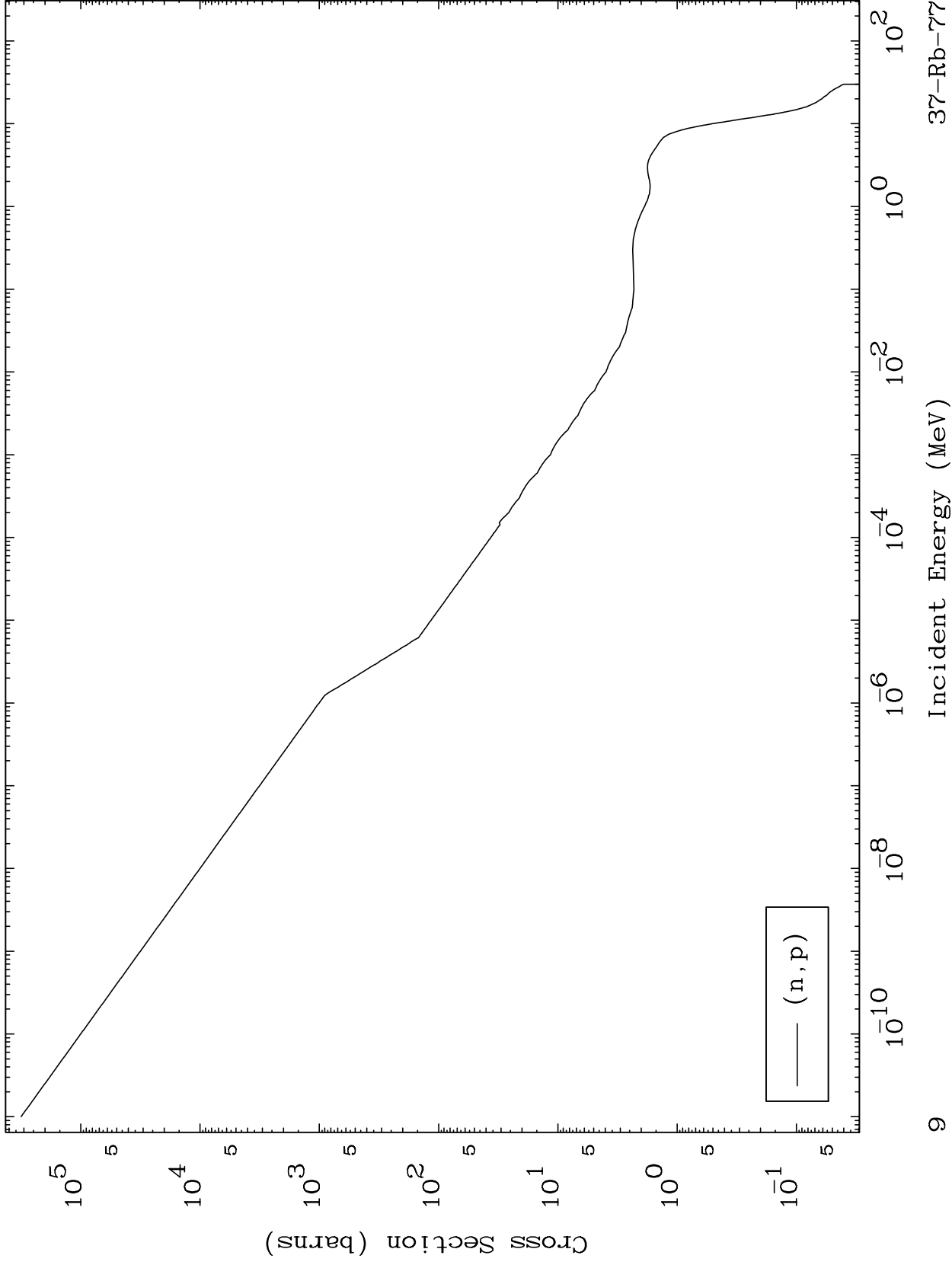
Incident Energy (MeV)

8

MAT 3701

(n,p) Levels
293 Kelvin Cross Sections

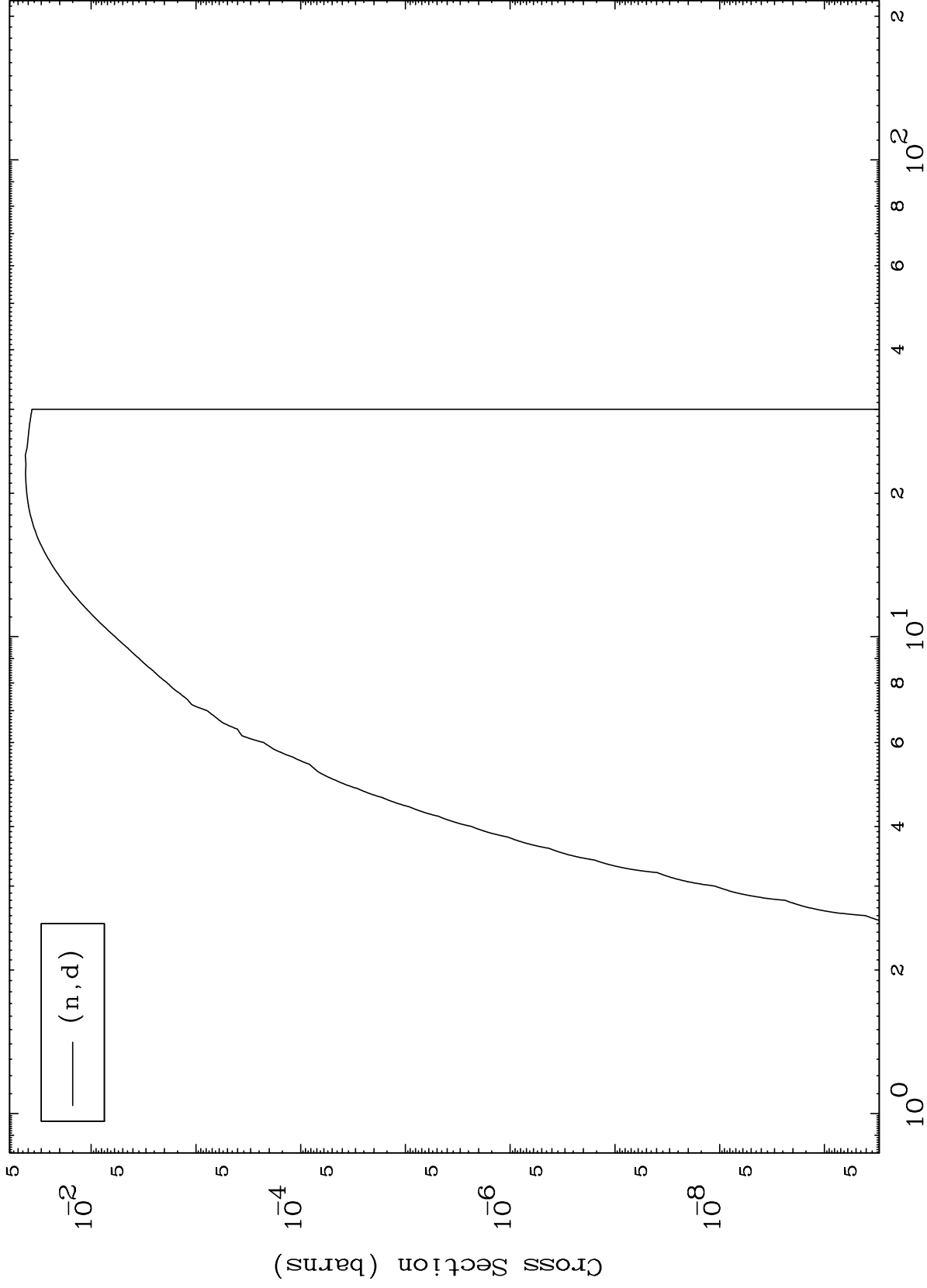
37-Rb-77



MAT 3701

(n,d) Levels
293 Kelvin Cross Sections

37-Rb-77



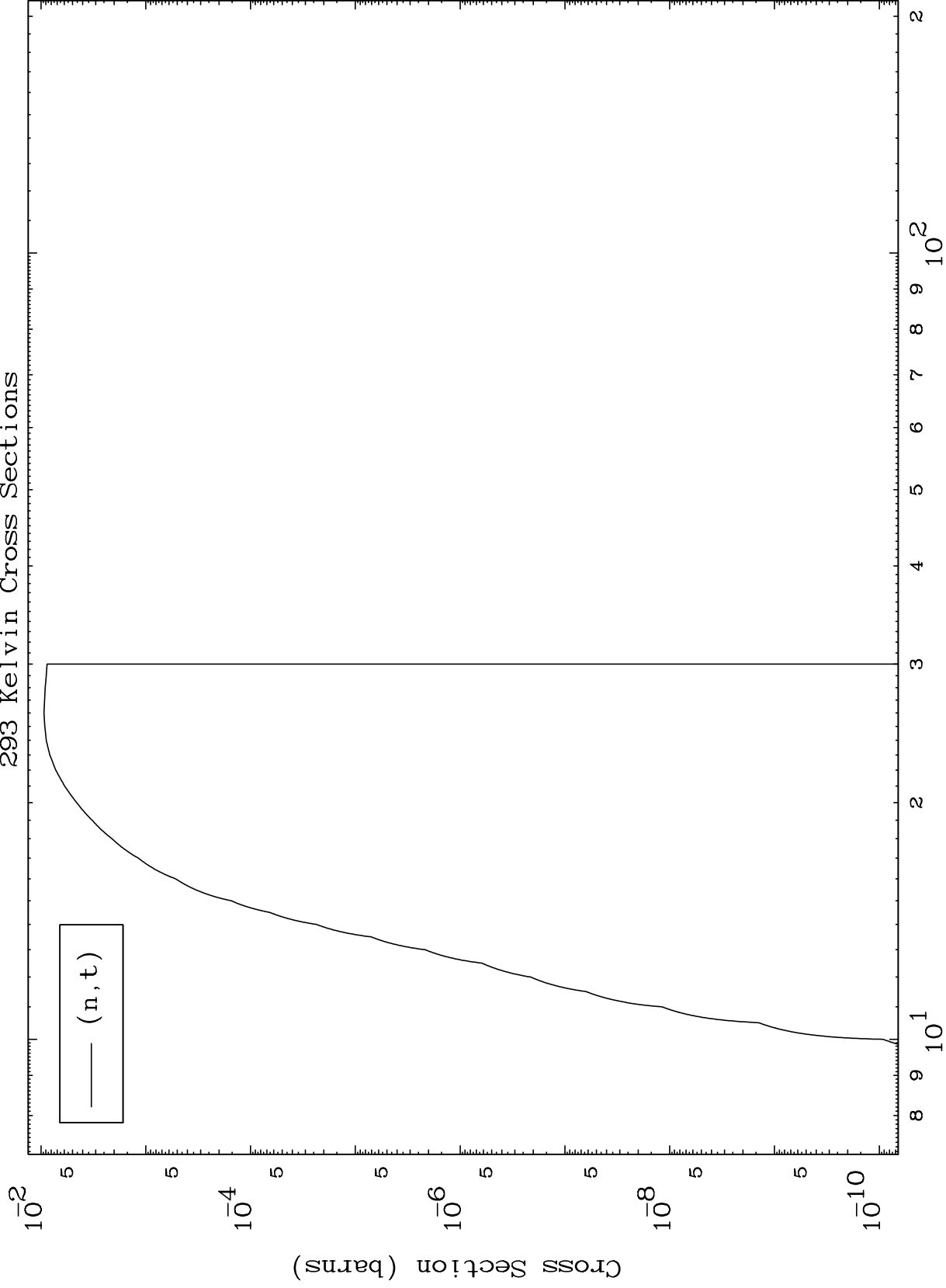
Incident Energy (MeV)

37-Rb-77

MAT 3701

(n,t) Levels
293 Kelvin Cross Sections

37-Rb-77



11

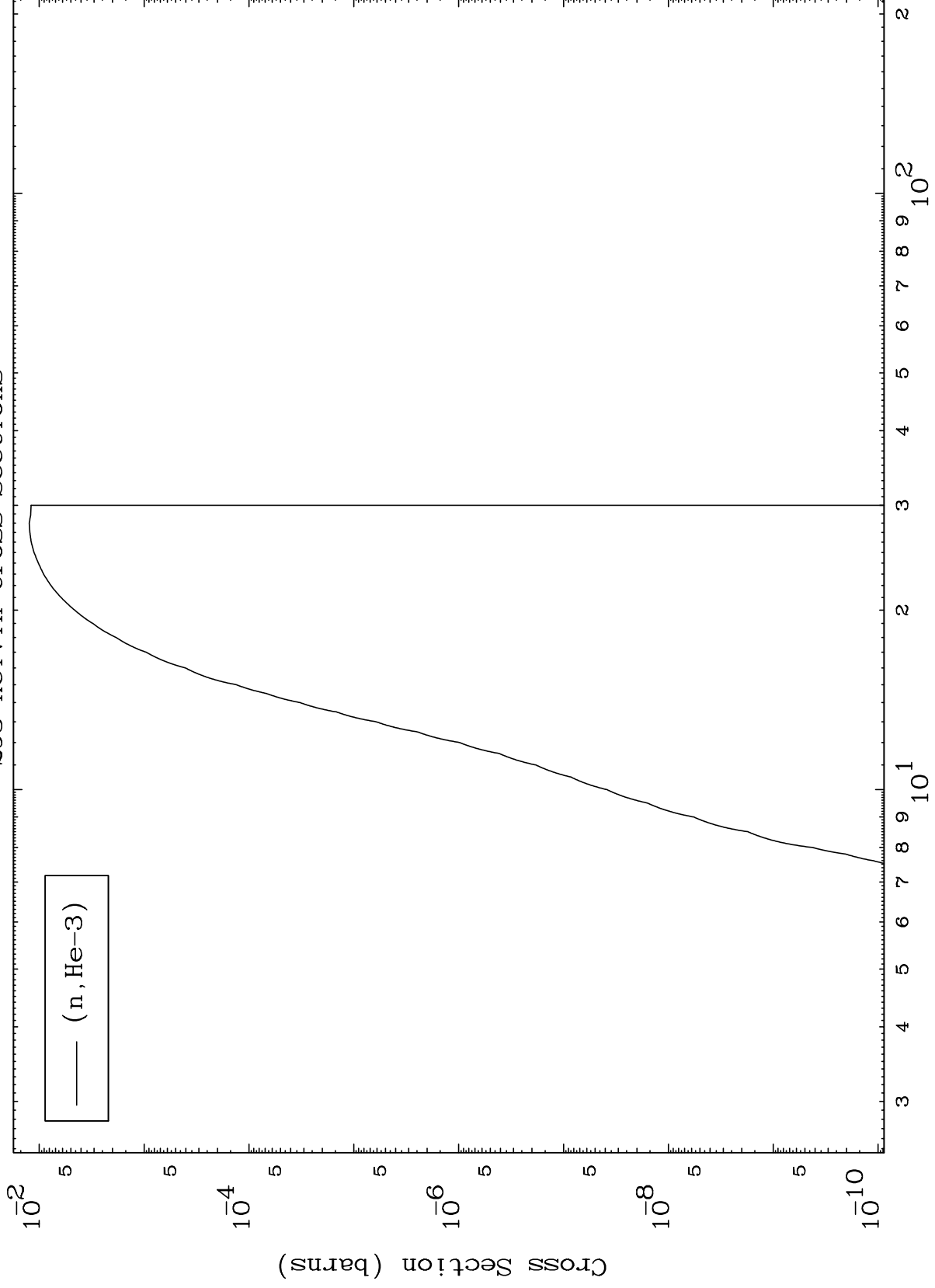
Incident Energy (MeV)

37-Rb-77

MAT 3701

(n,He3) Levels
293 Kelvin Cross Sections

37-Rb-77



12

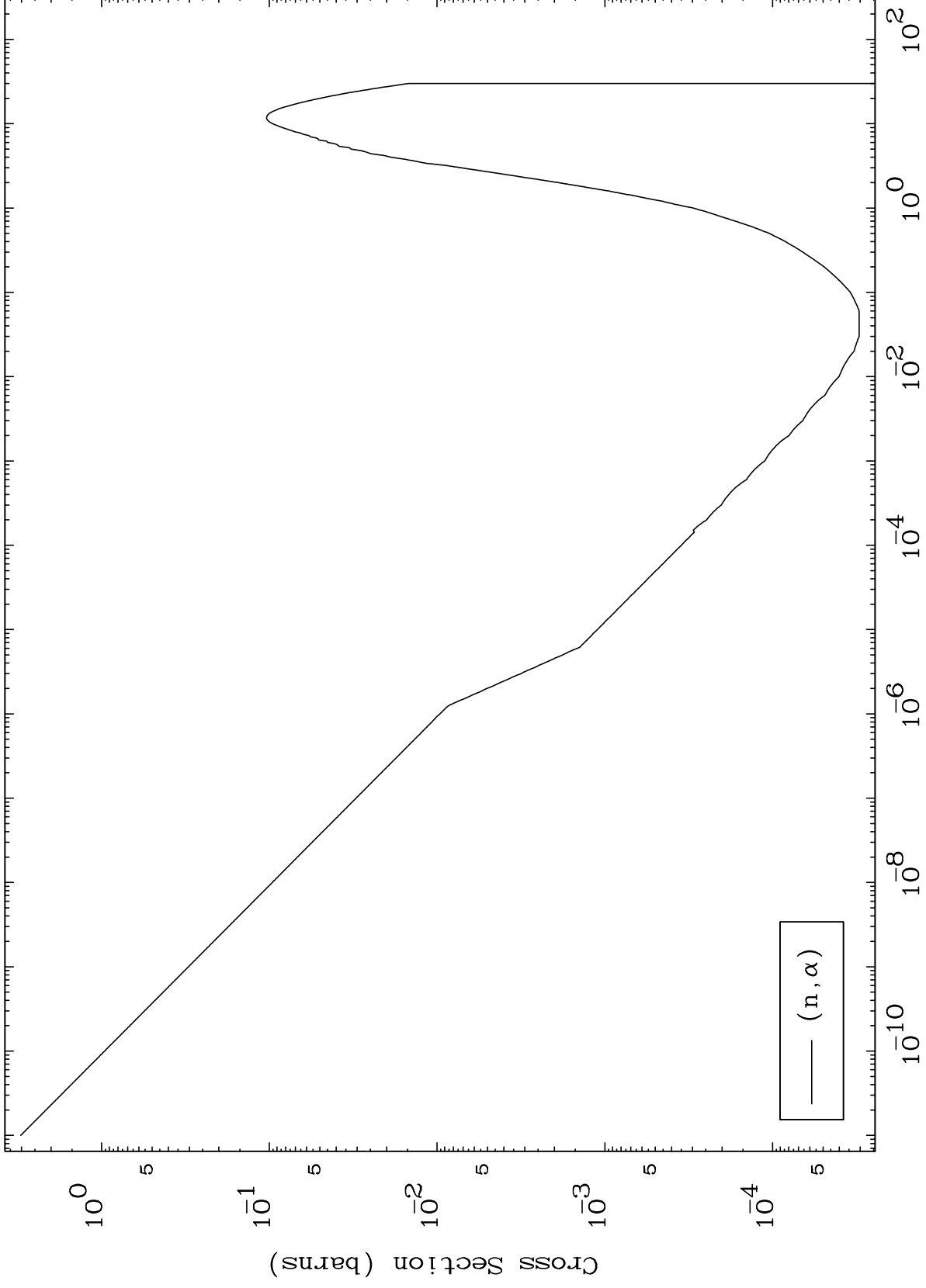
Incident Energy (MeV)

37-Rb-77

MAT 3701

(n,α) Levels
293 Kelvin Cross Sections

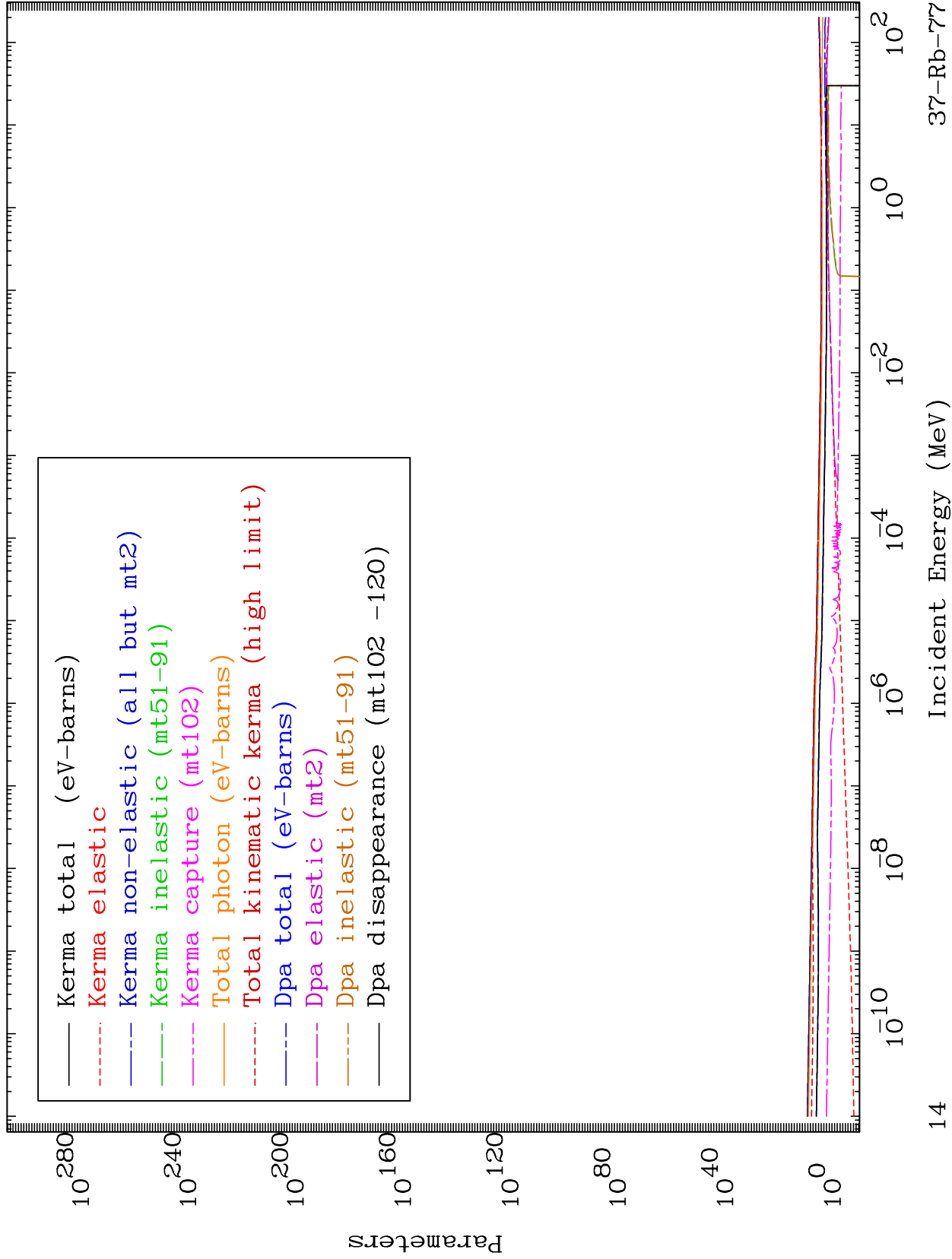
37-Rb-77



13

Incident Energy (MeV)

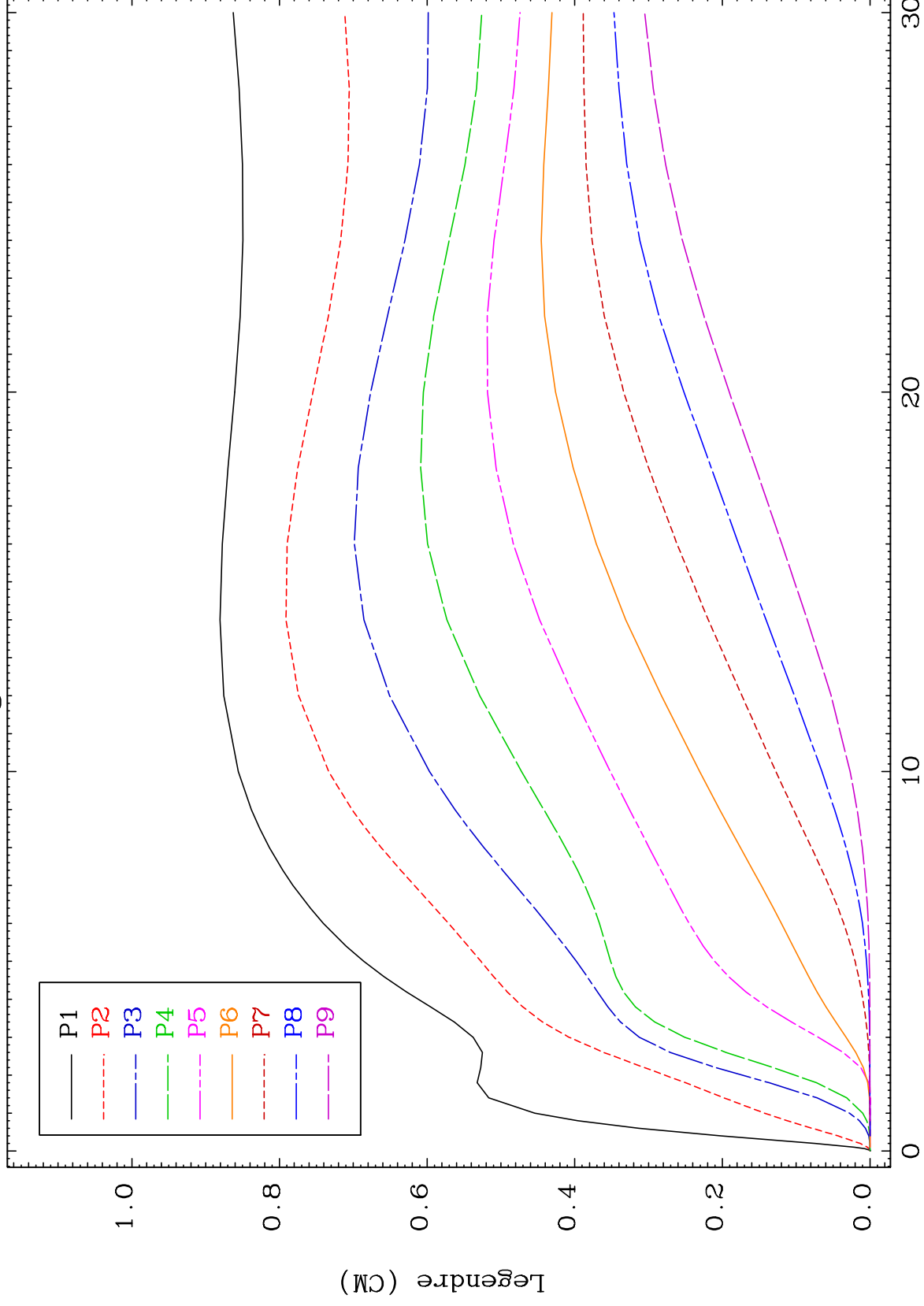
37-Rb-77



MAT 3701

Elastic Legendre Coefficients

37-Rb-77

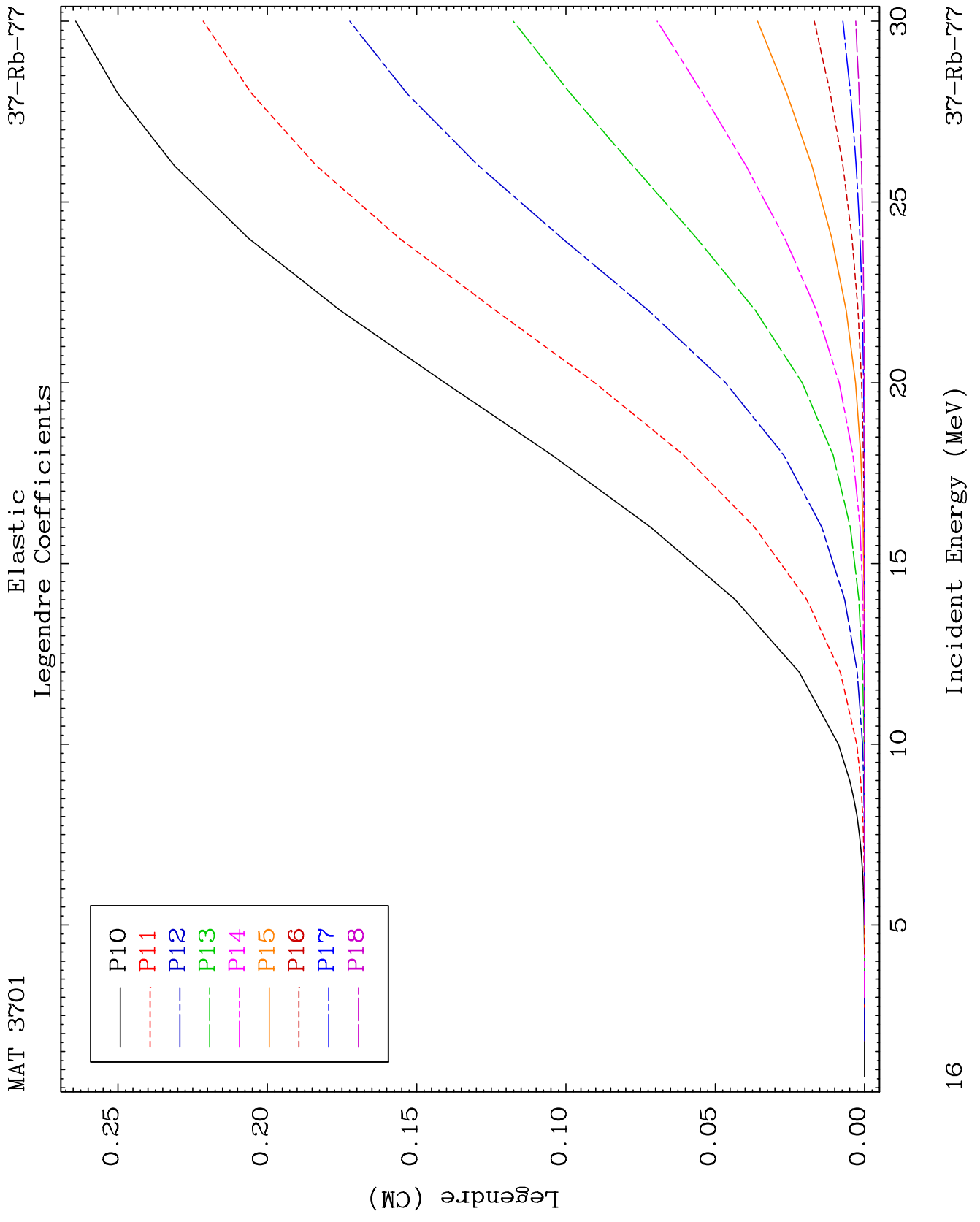


0

15

Incident Energy (MeV)

37-Rb-77



MAT 3701

Elastic Legendre Coefficients

37-Rb-77

16

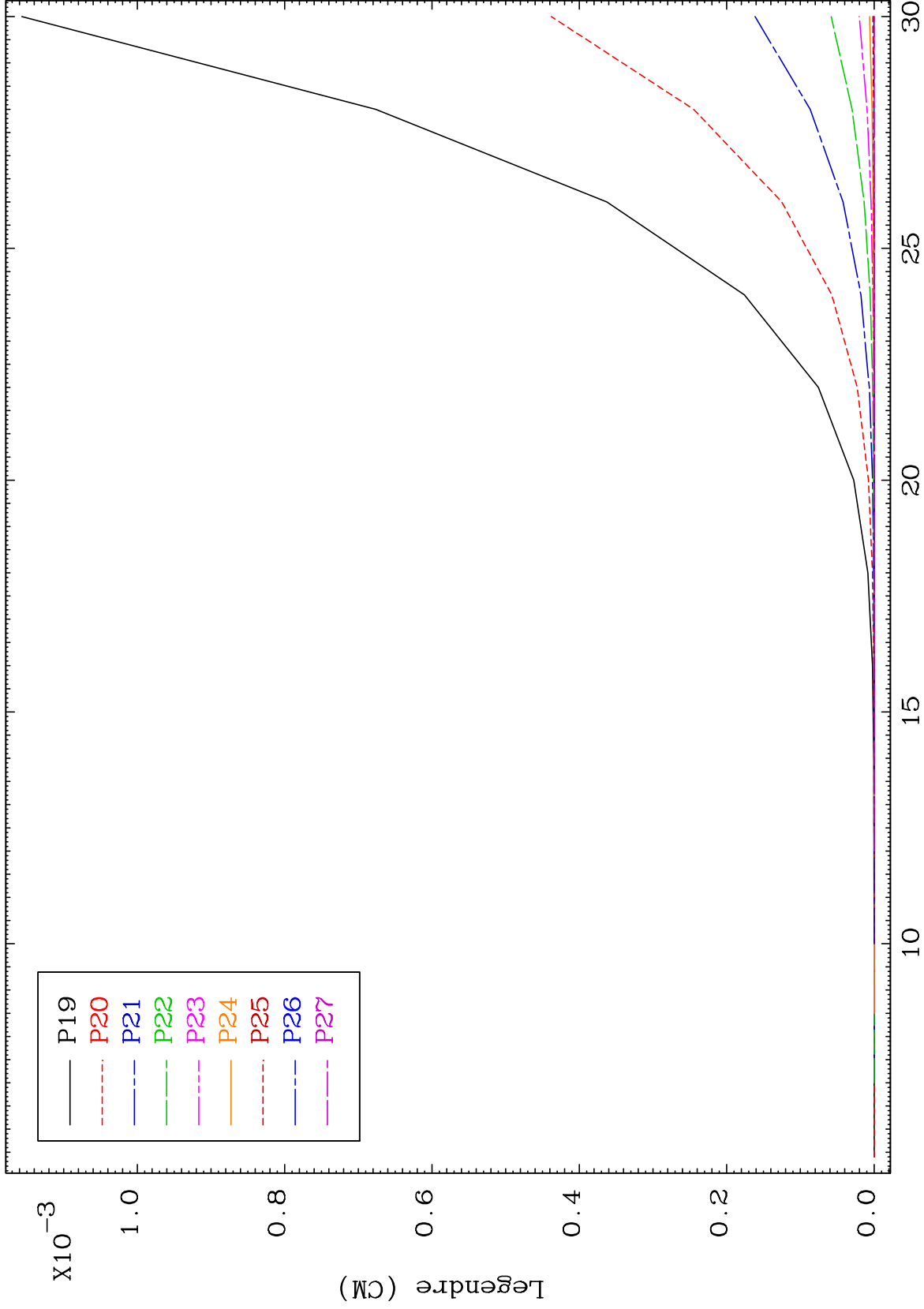
Incident Energy (MeV)

37-Rb-77

MAT 3701

Elastic Legendre Coefficients

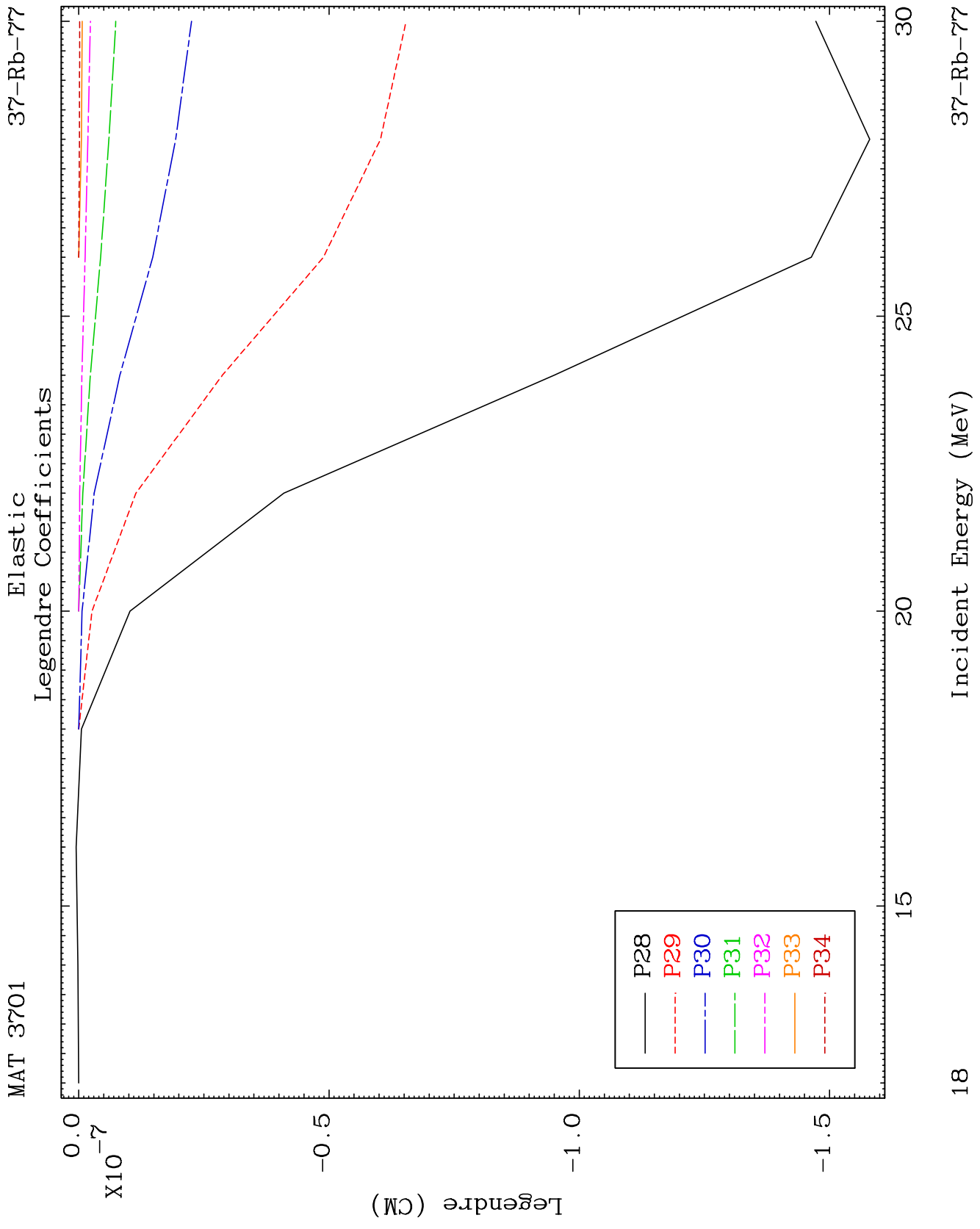
37-Rb-77



17

Incident Energy (MeV)

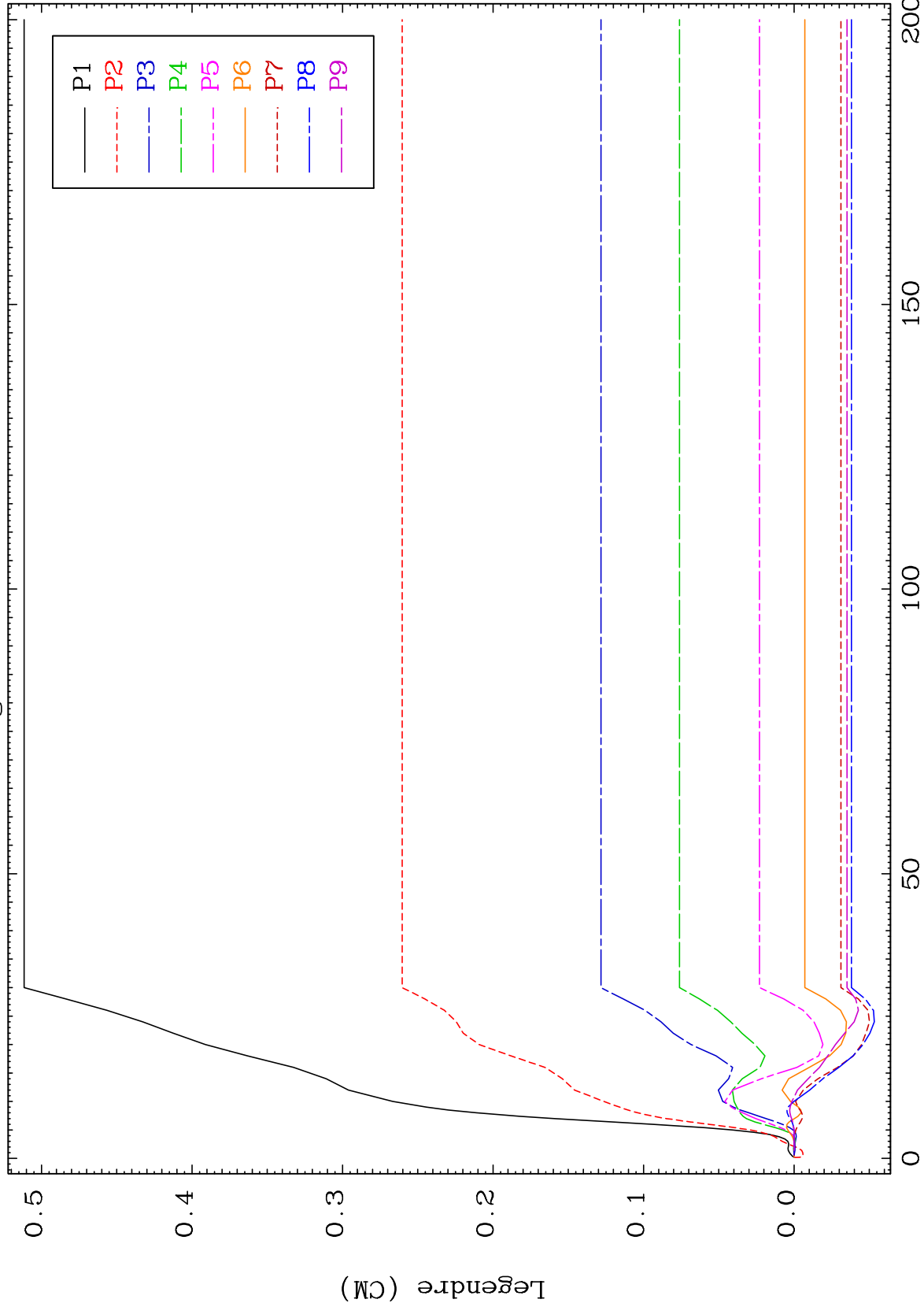
37-Rb-77



MAT 3701

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

37-Rb-77



19

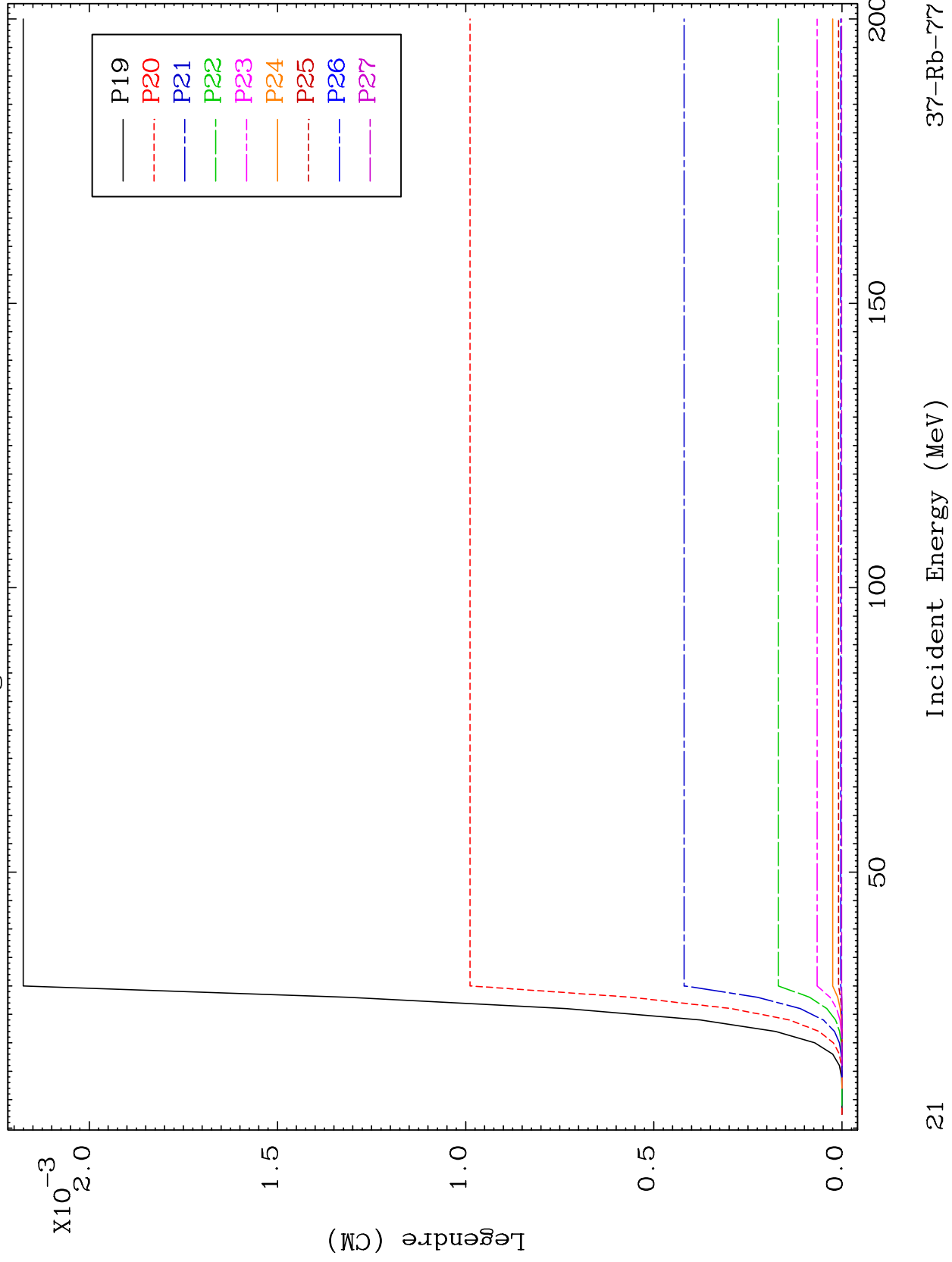
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77

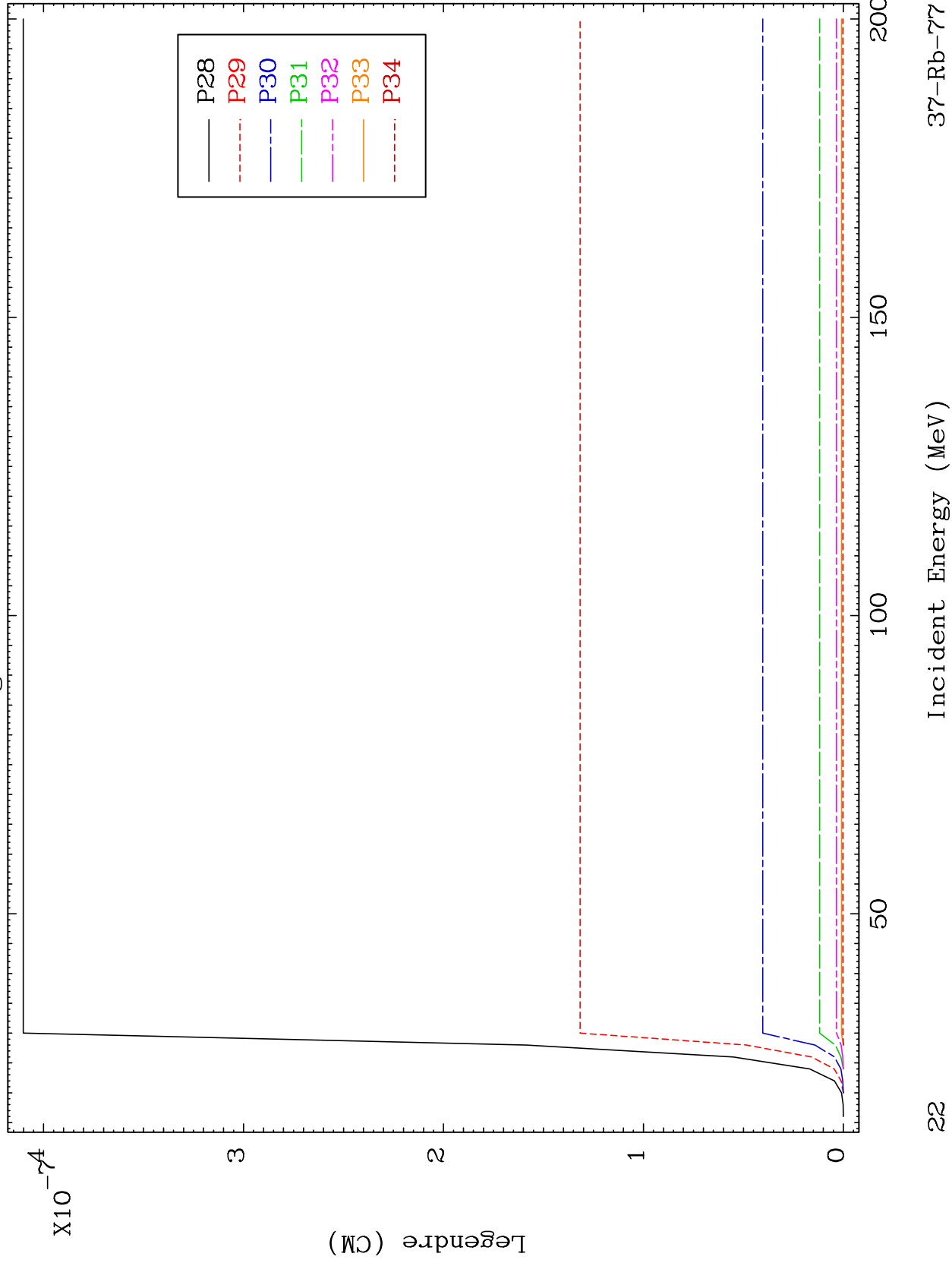


21

MAT 3701

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

37-Rb-77

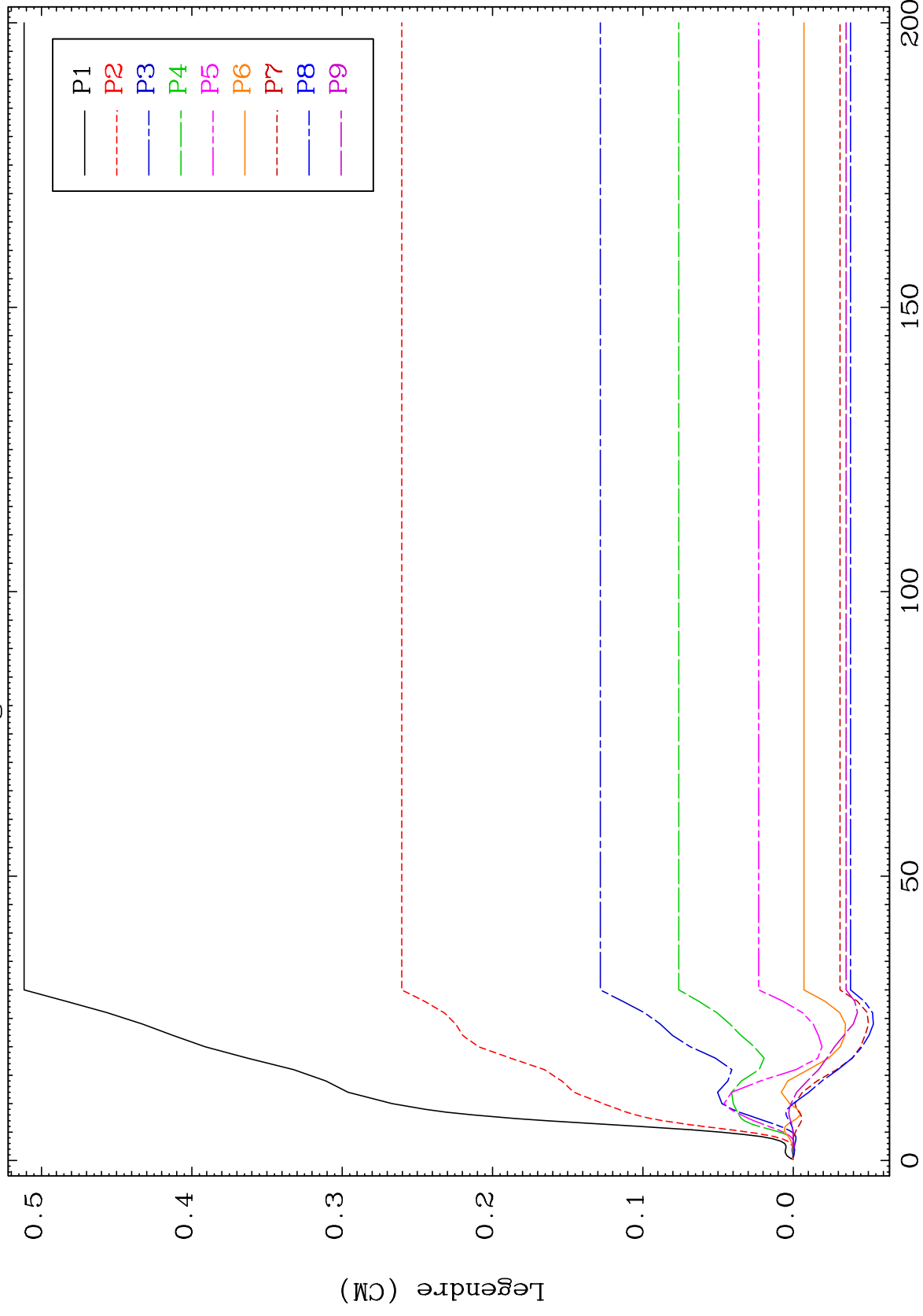


22

MAT 3701

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

37-Rb-77



23

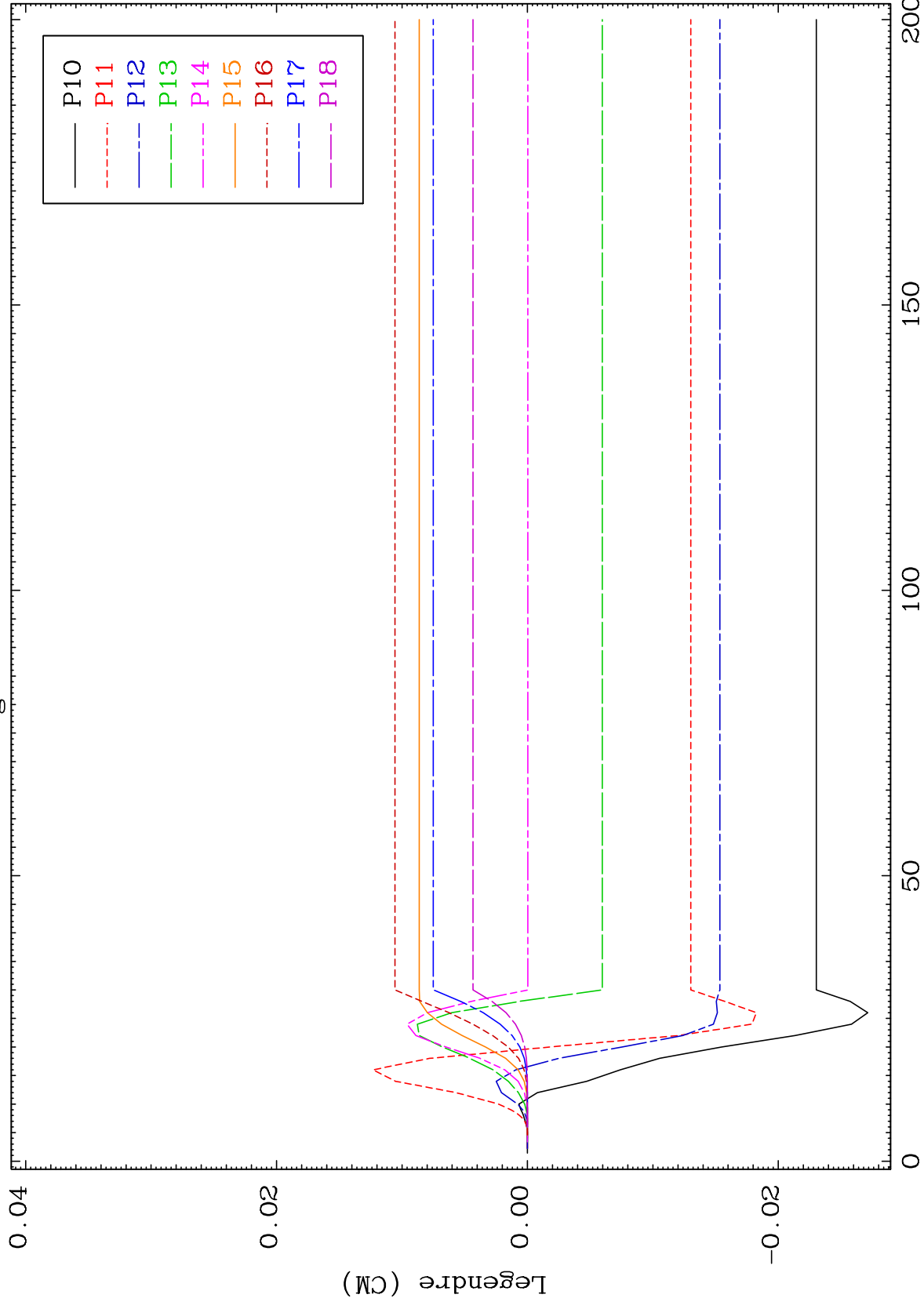
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



24

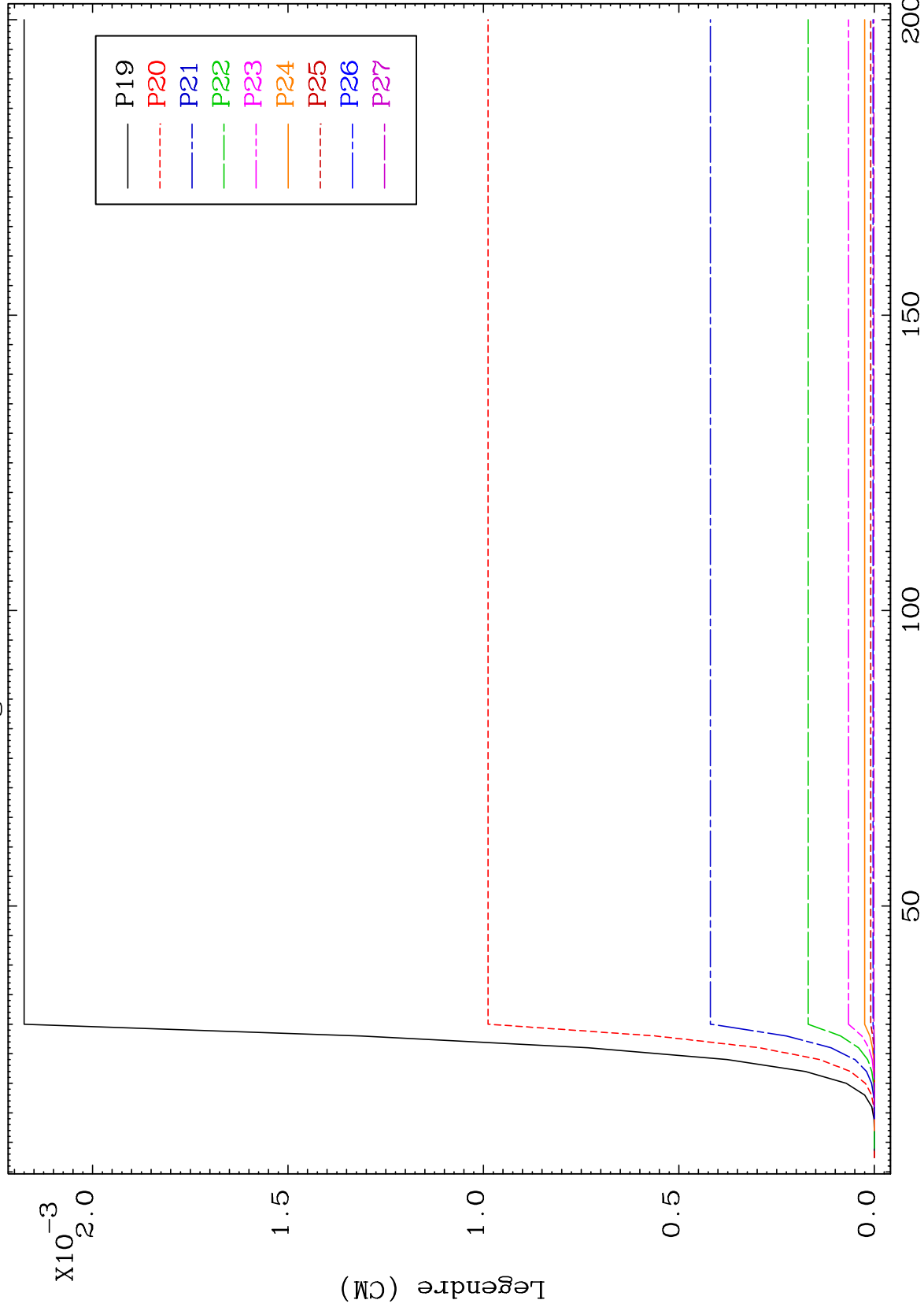
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



25

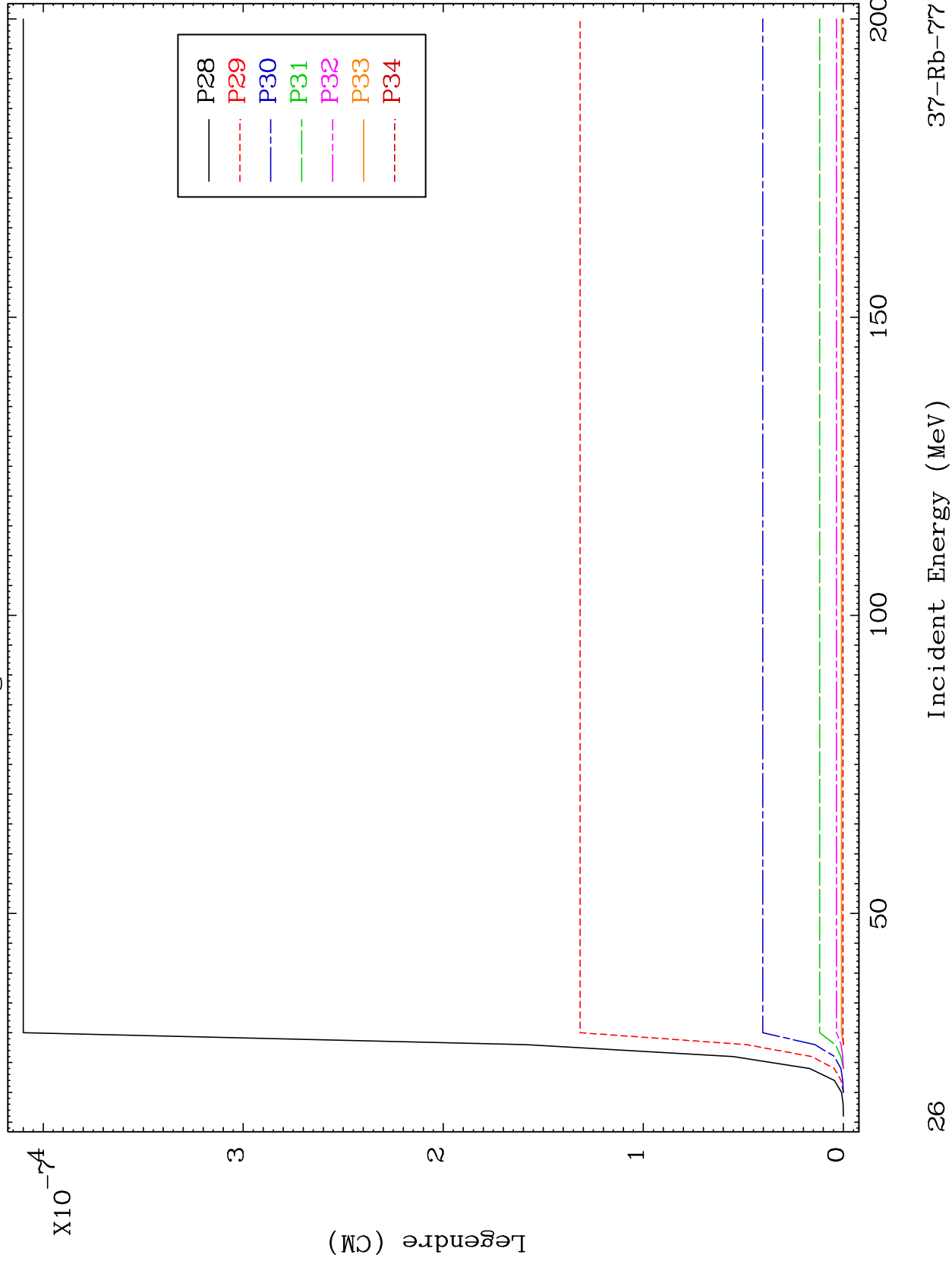
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



26

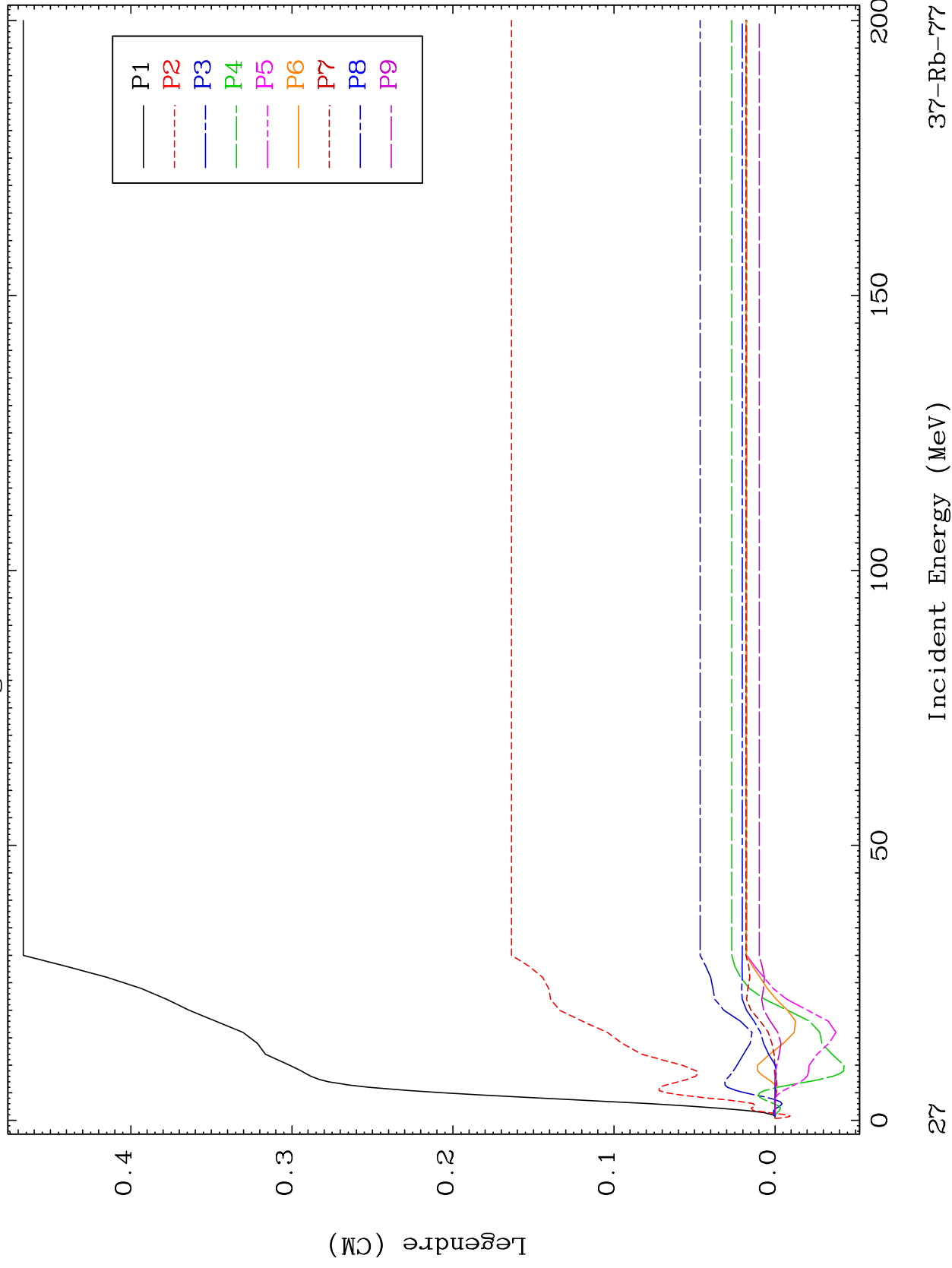
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



37-Rb-77

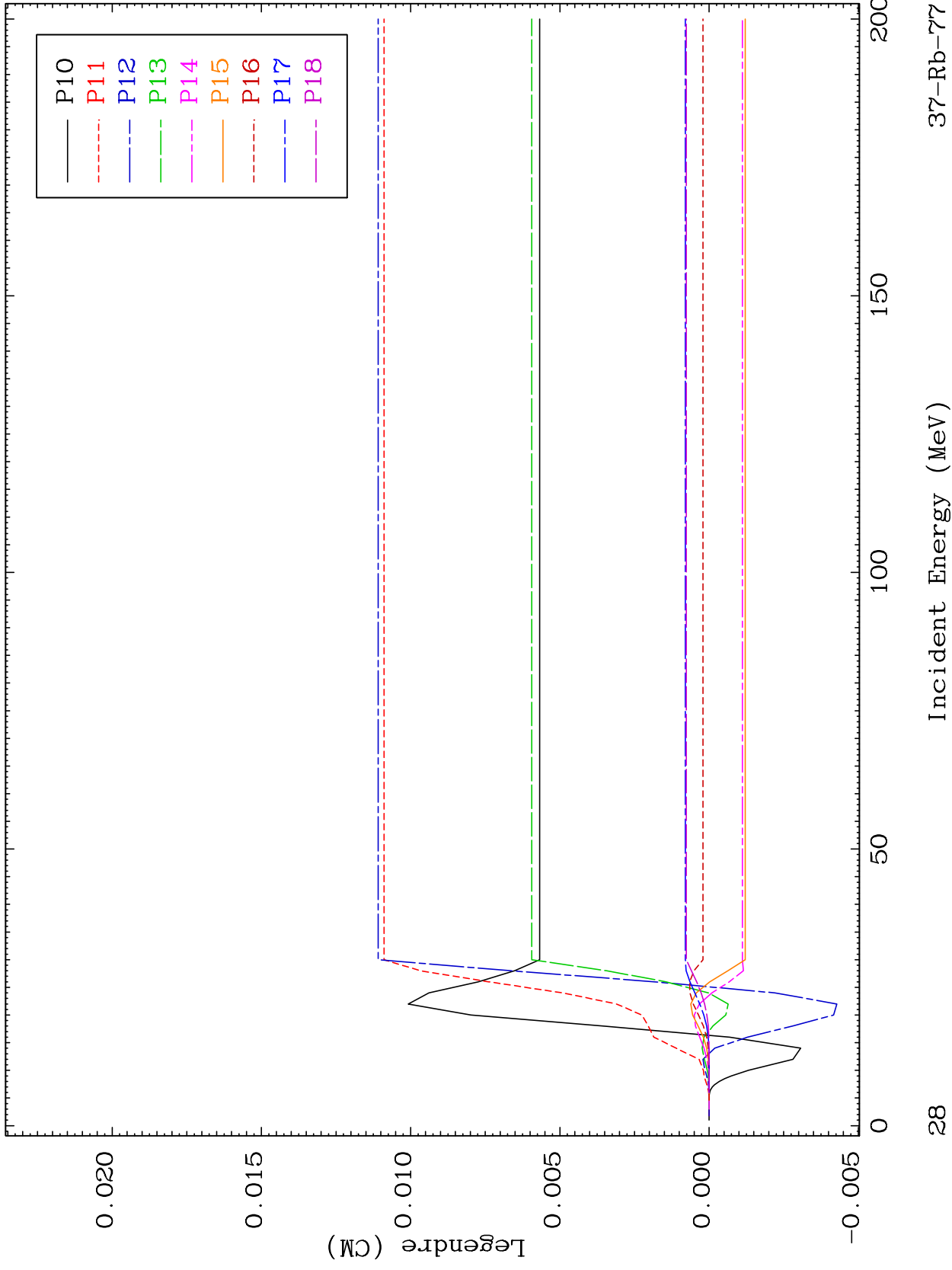
Incident Energy (MeV)

27

MAT 3701

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

37-Rb-77



28

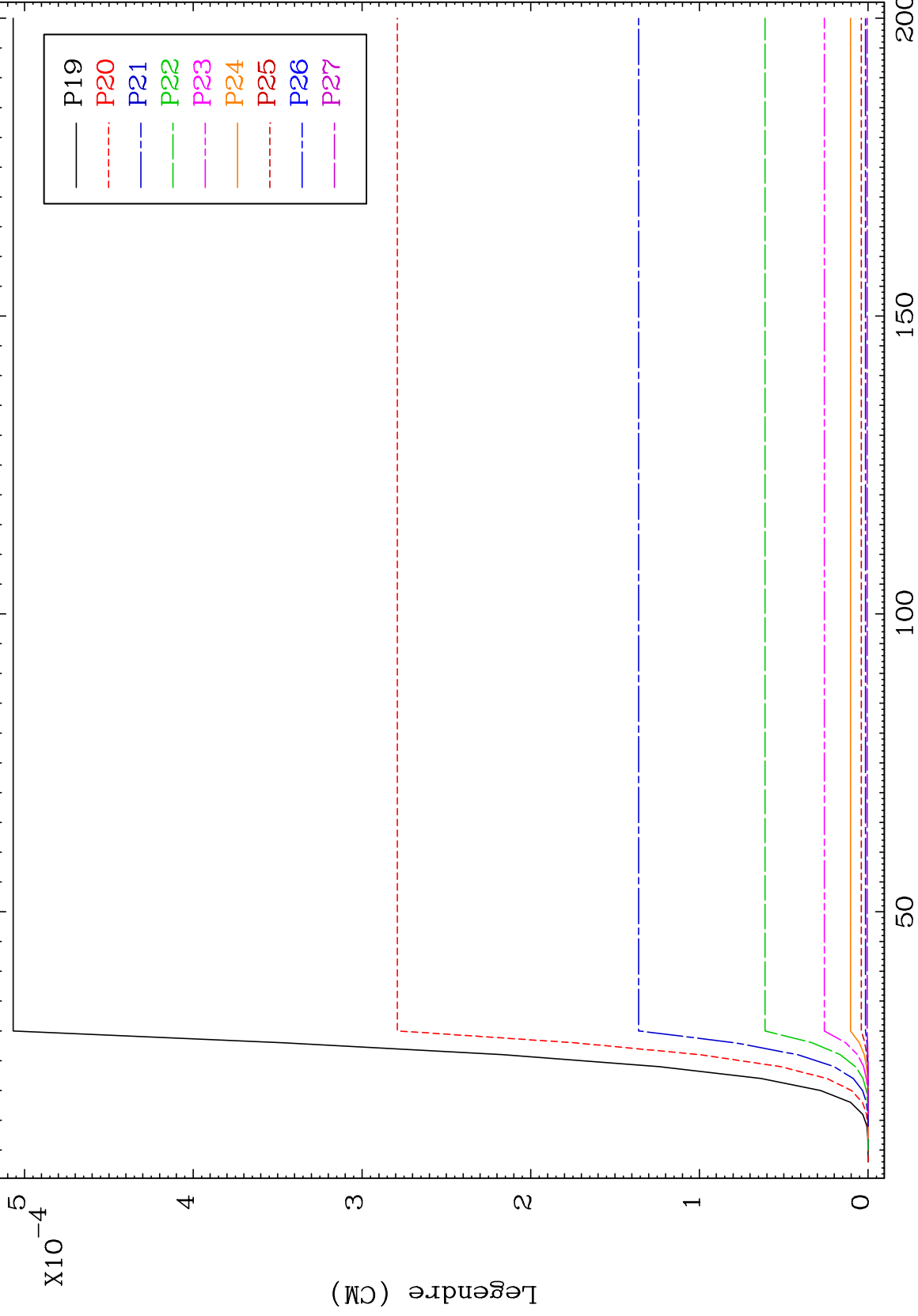
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

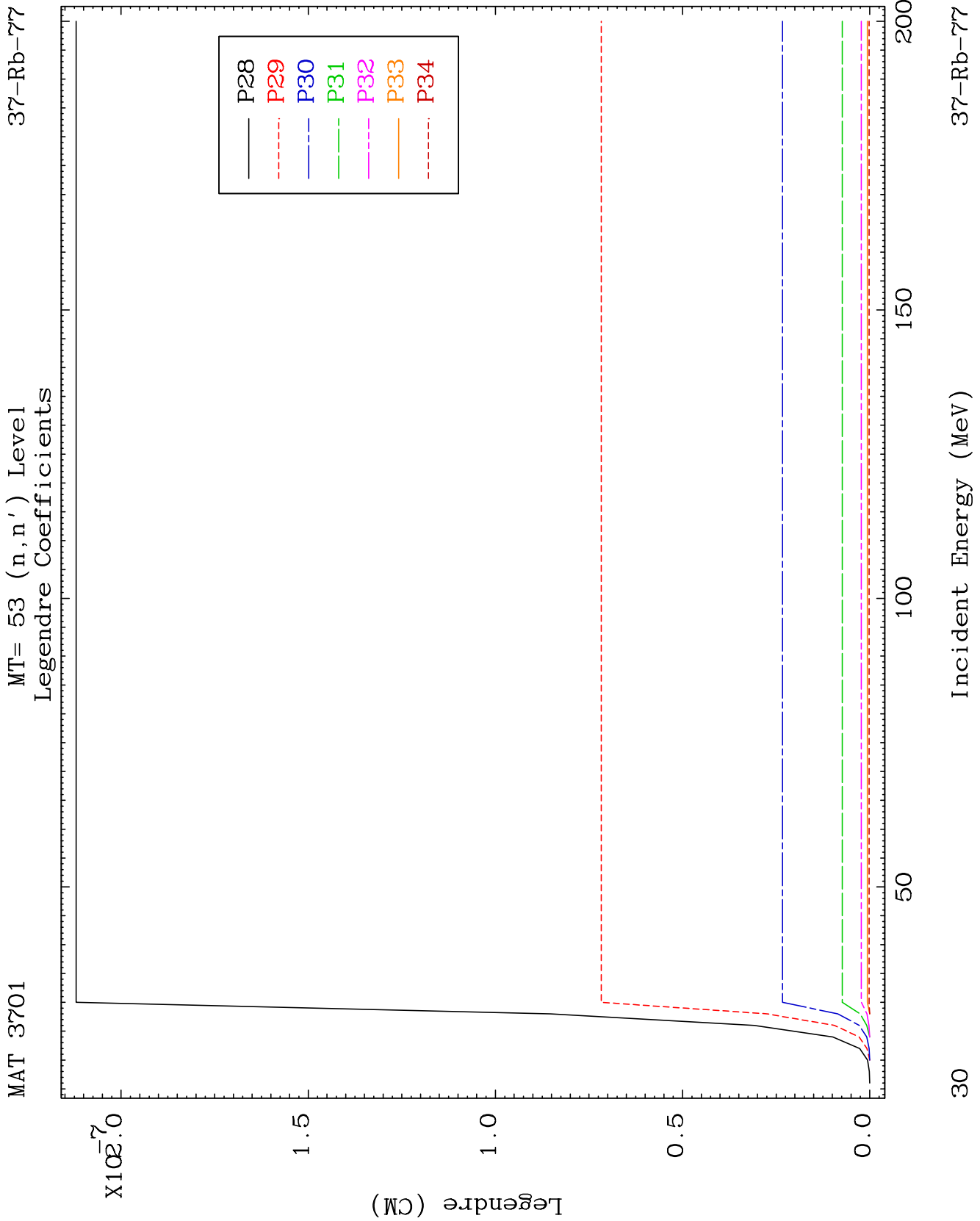
37-Rb-77



29

Incident Energy (MeV)

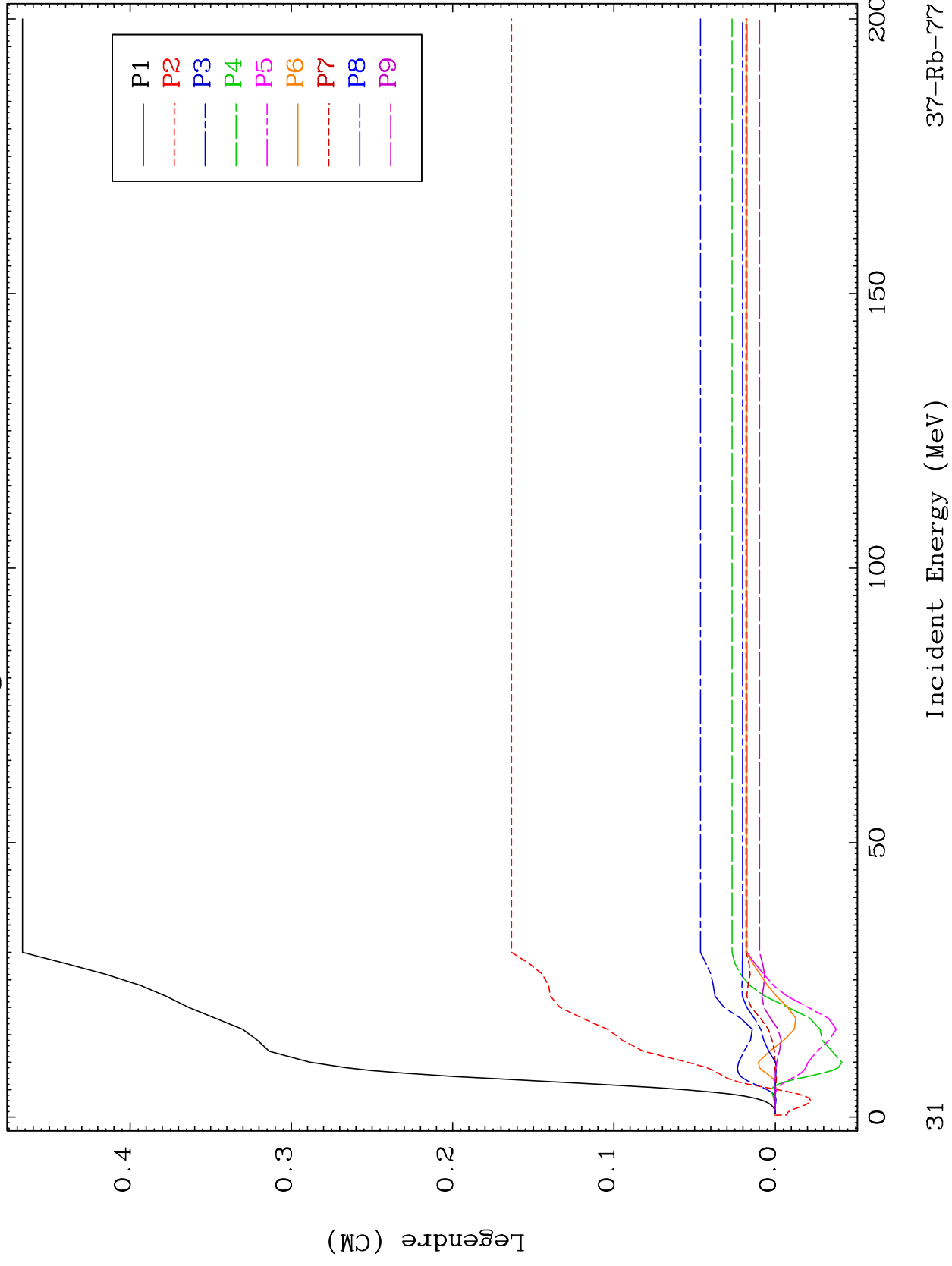
37-Rb-77



MAT 3701

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

37-Rb-77



31

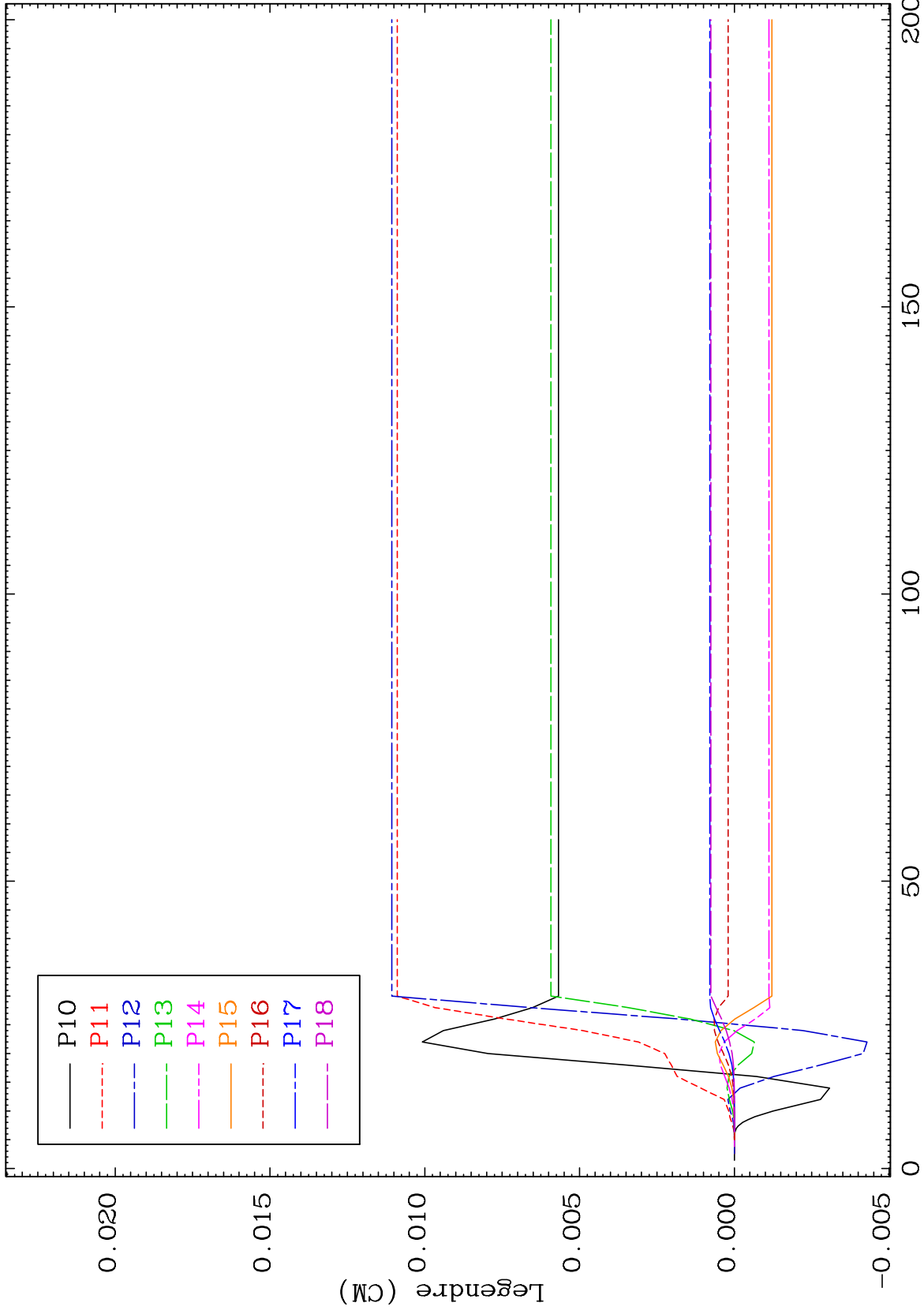
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



32

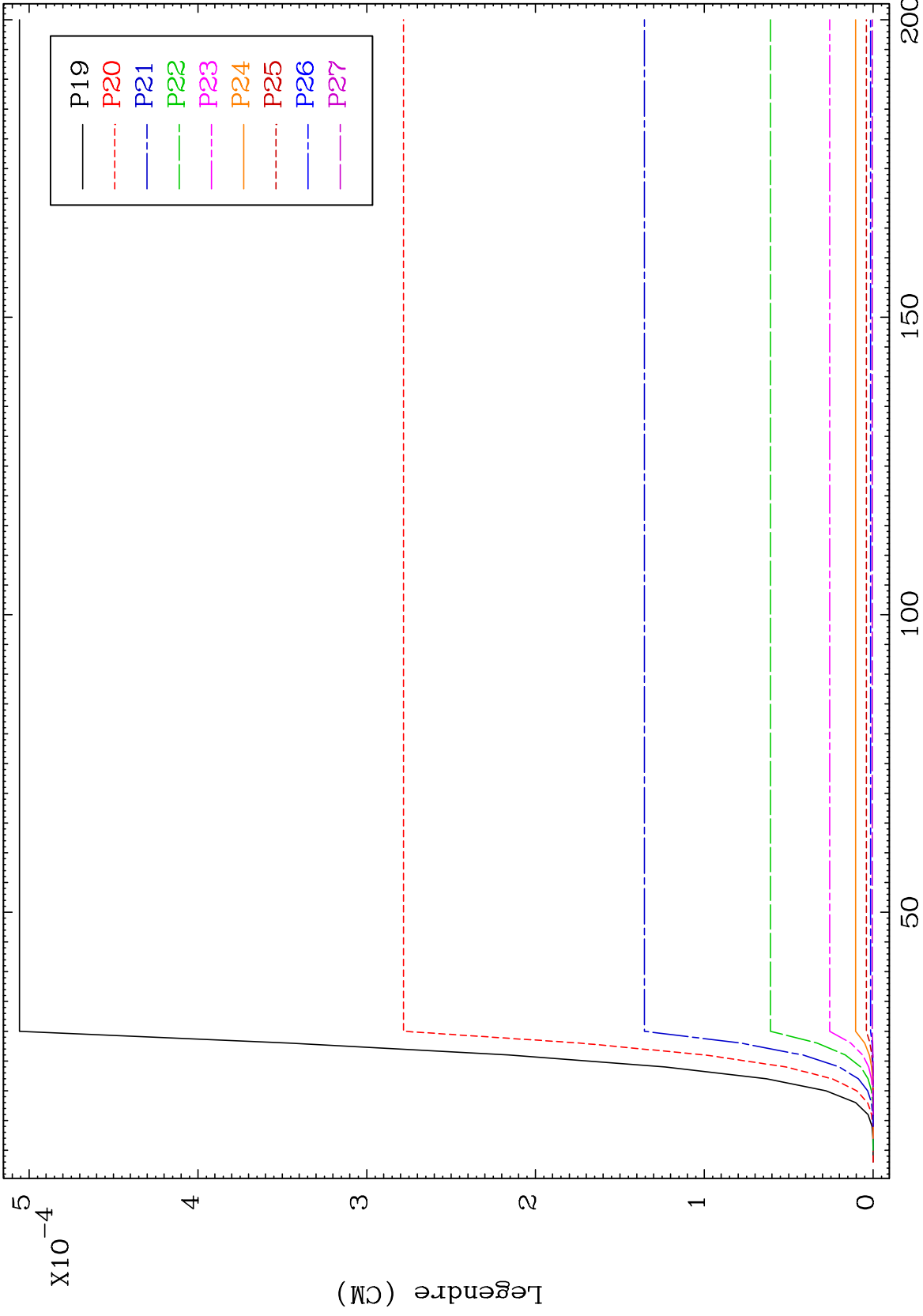
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

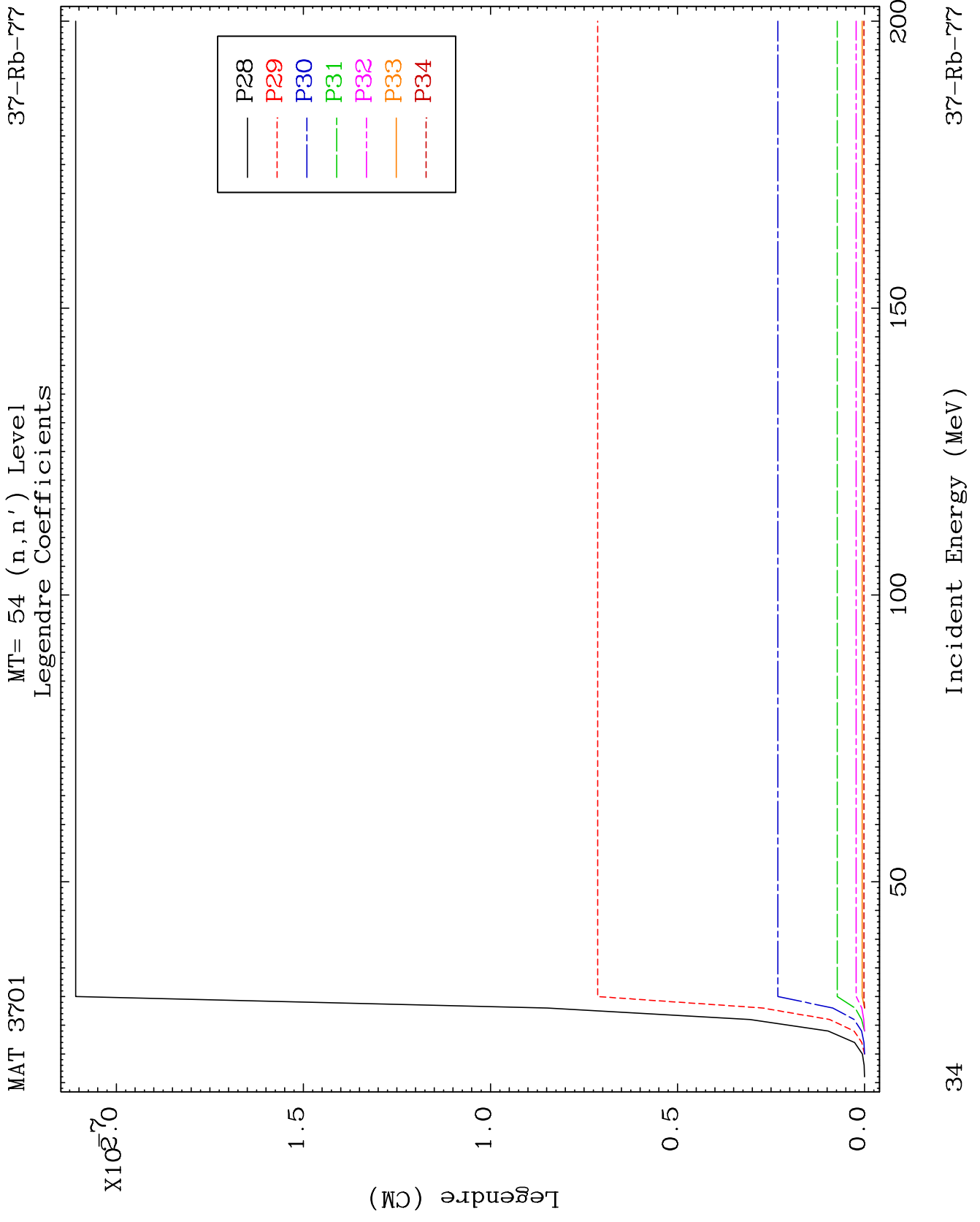
37-Rb-77



33

Incident Energy (MeV)

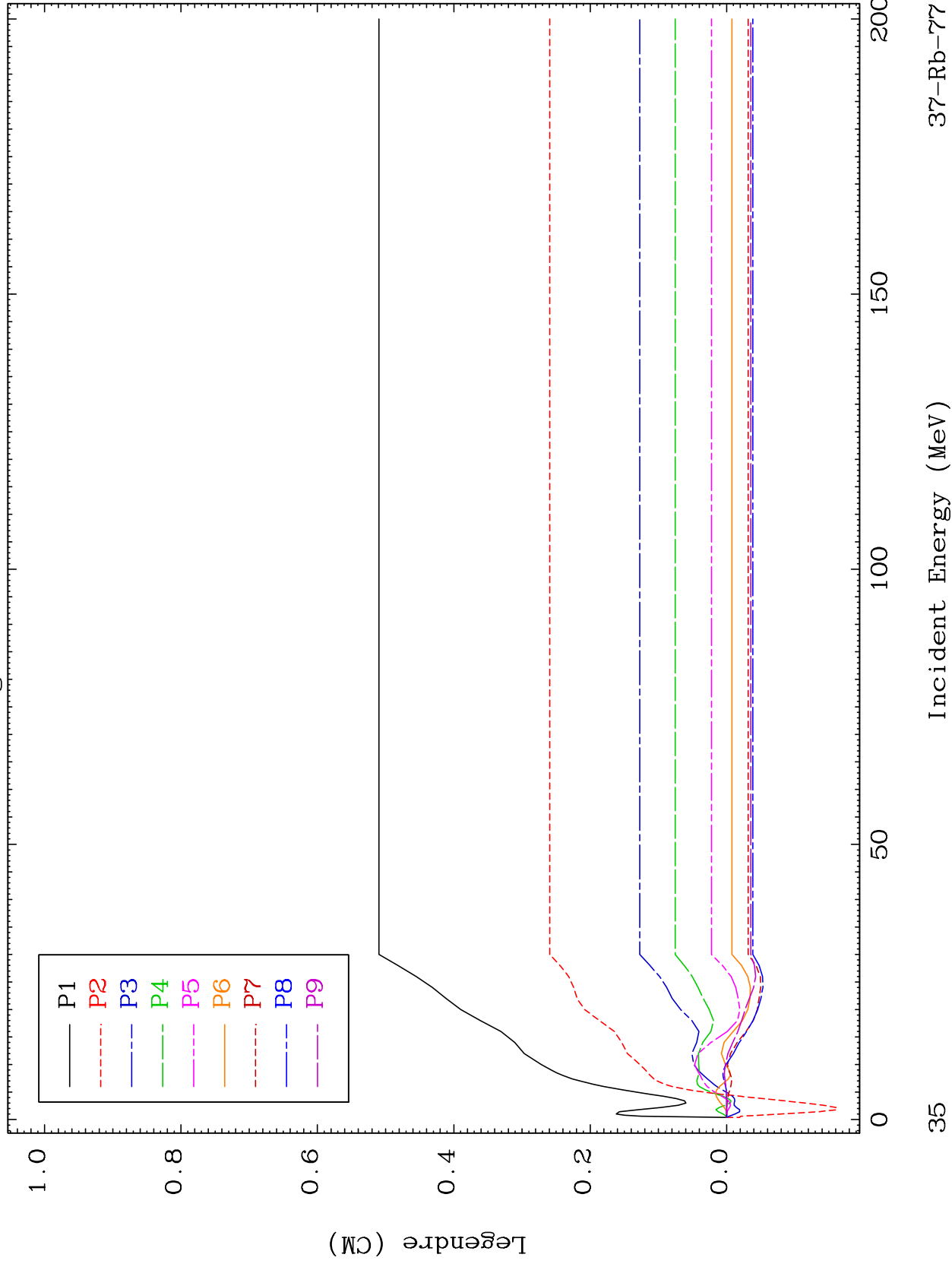
37-Rb-77



MAT 3701

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

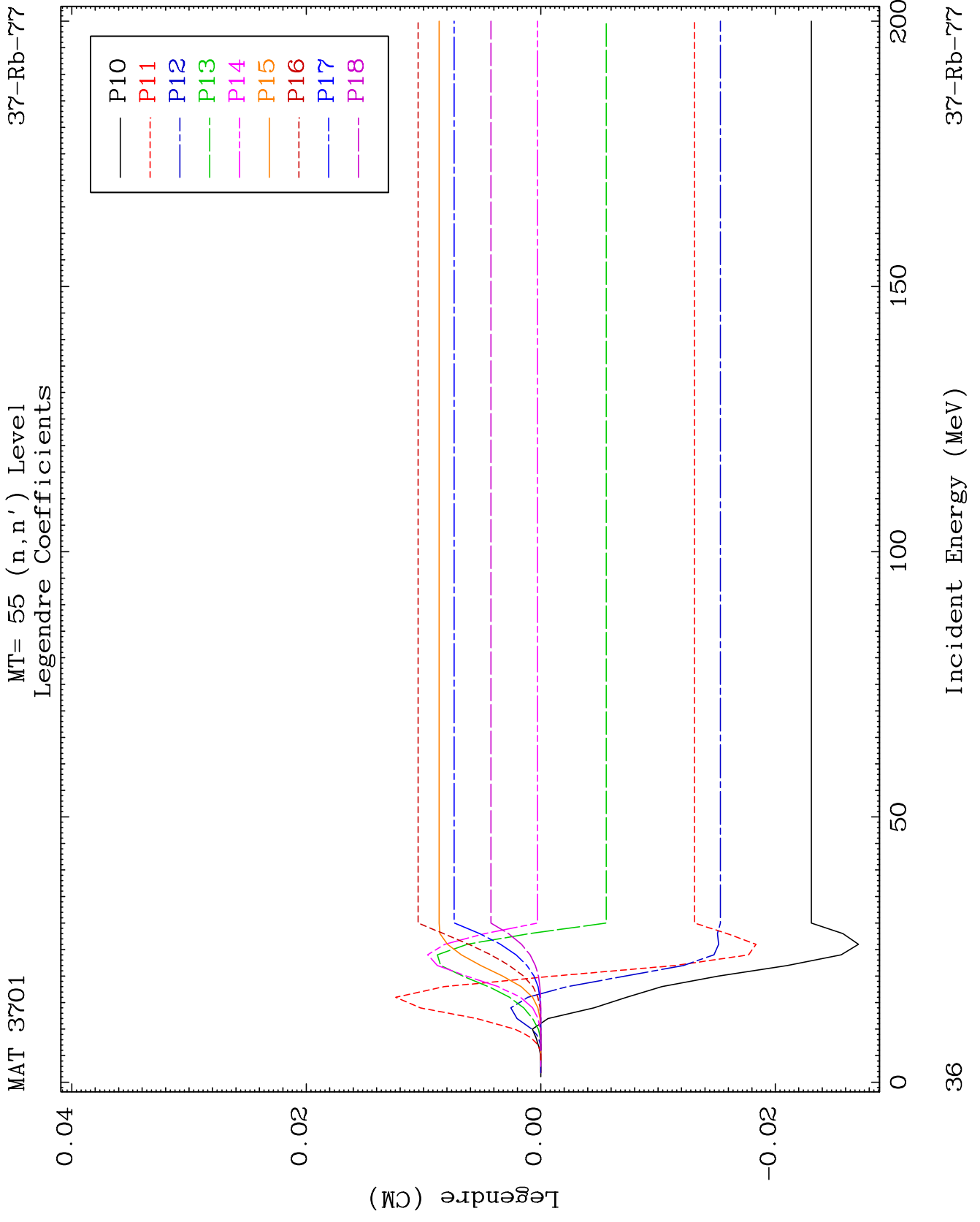
37-Rb-77



37-Rb-77

Incident Energy (MeV)

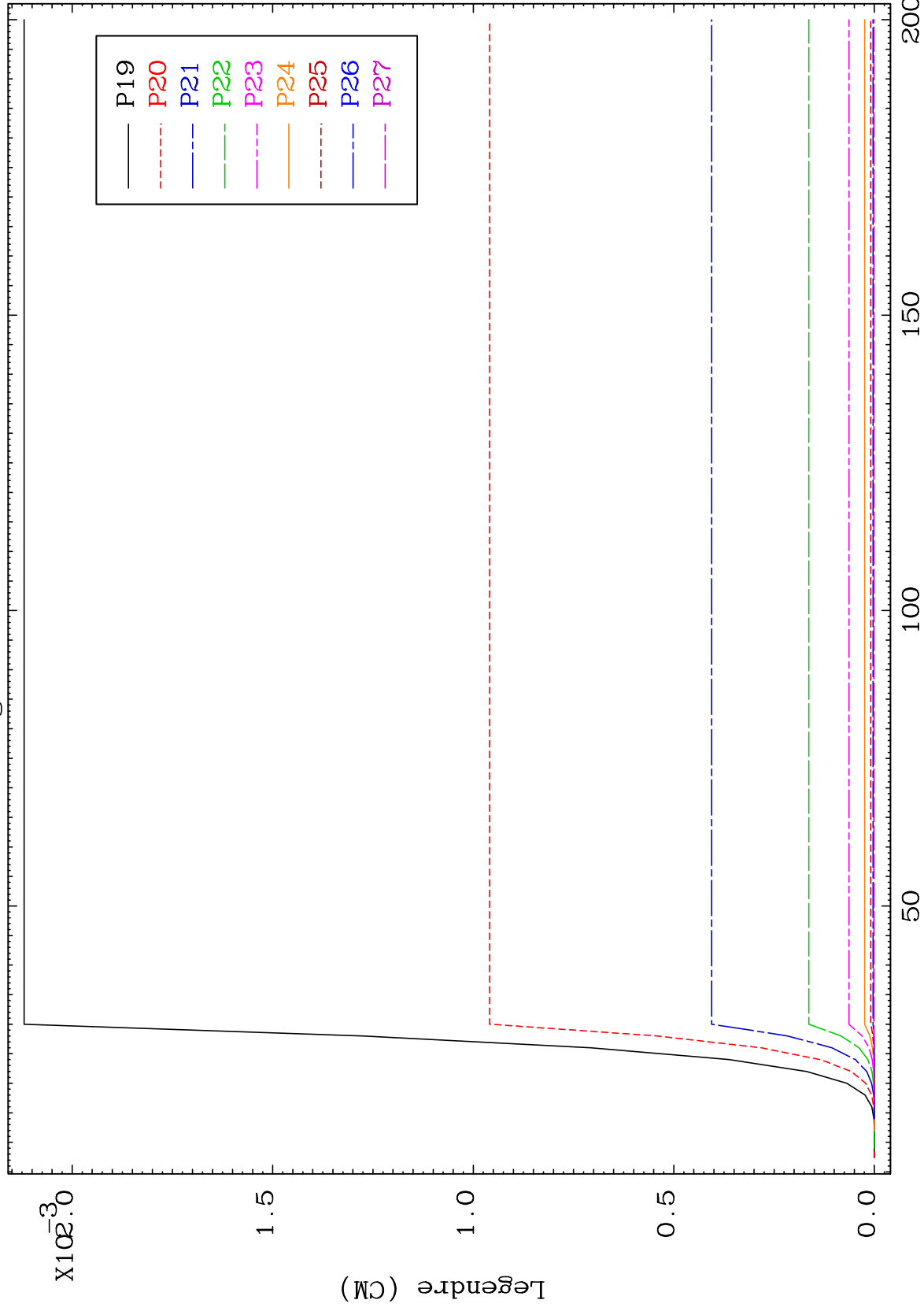
35



MAT 3701

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

37-Rb-77



37

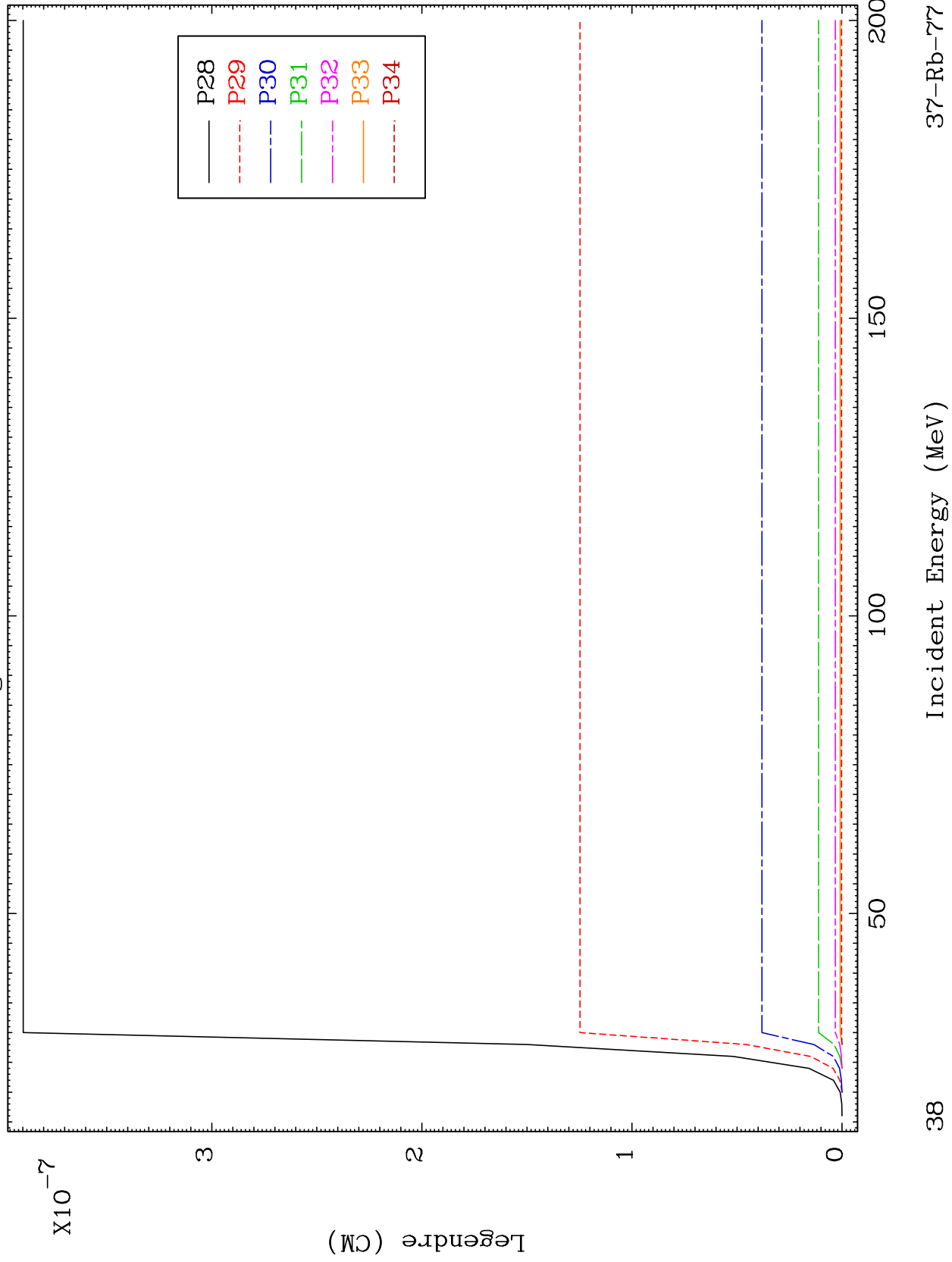
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

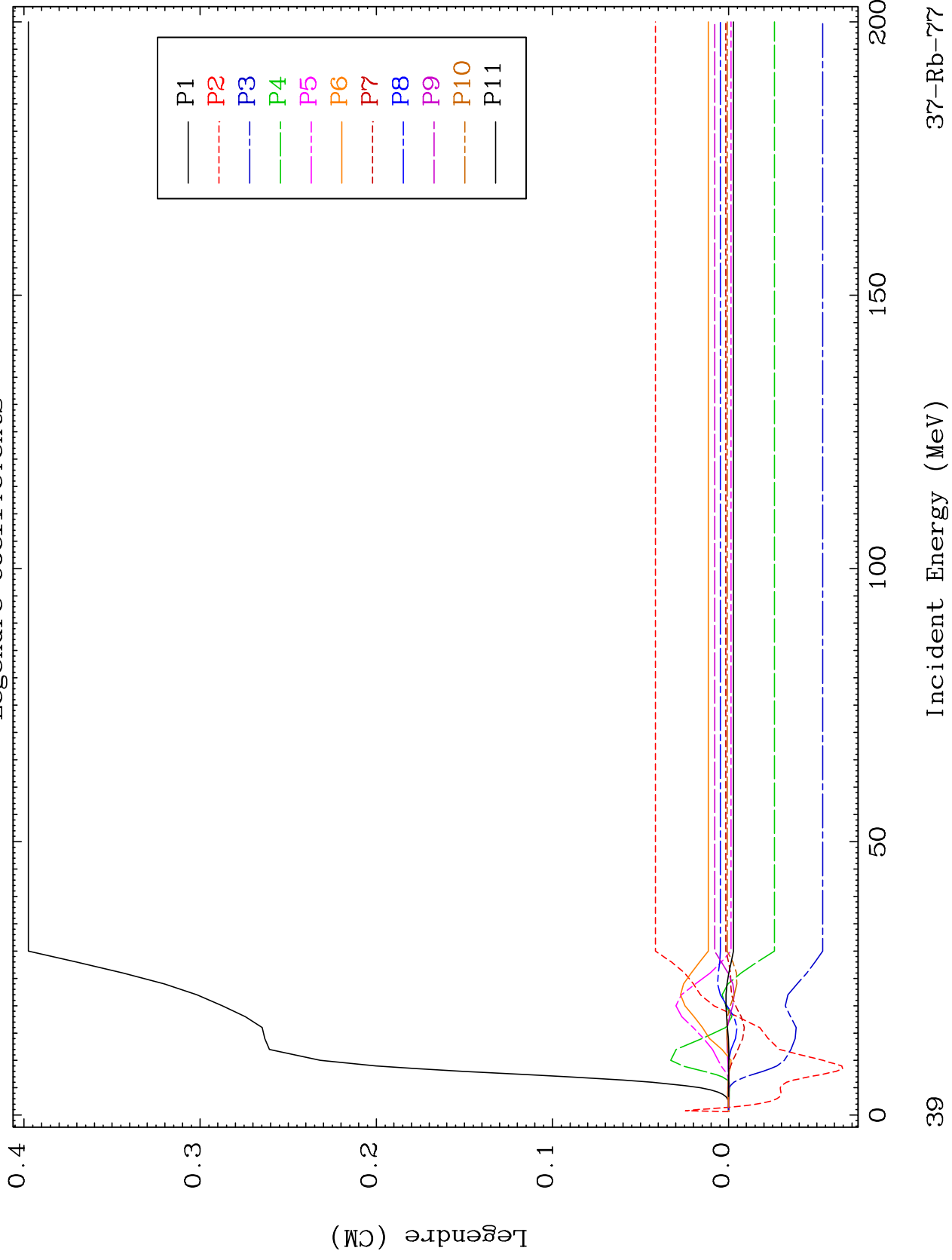
37-Rb-77



MAT 3701

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

37-Rb-77



37-Rb-77

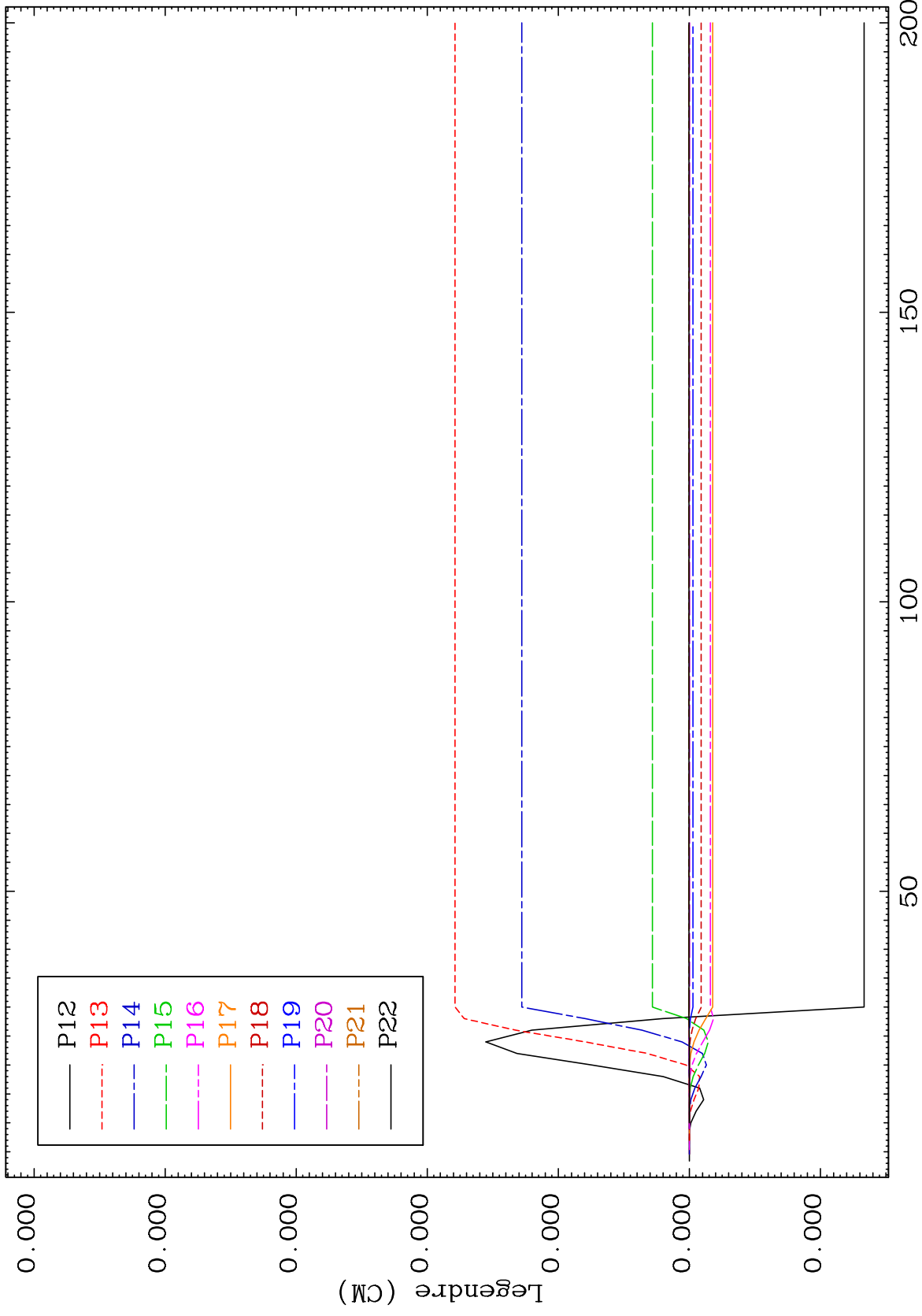
Incident Energy (MeV)

39

MAT 3701

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

37-Rb-77



40

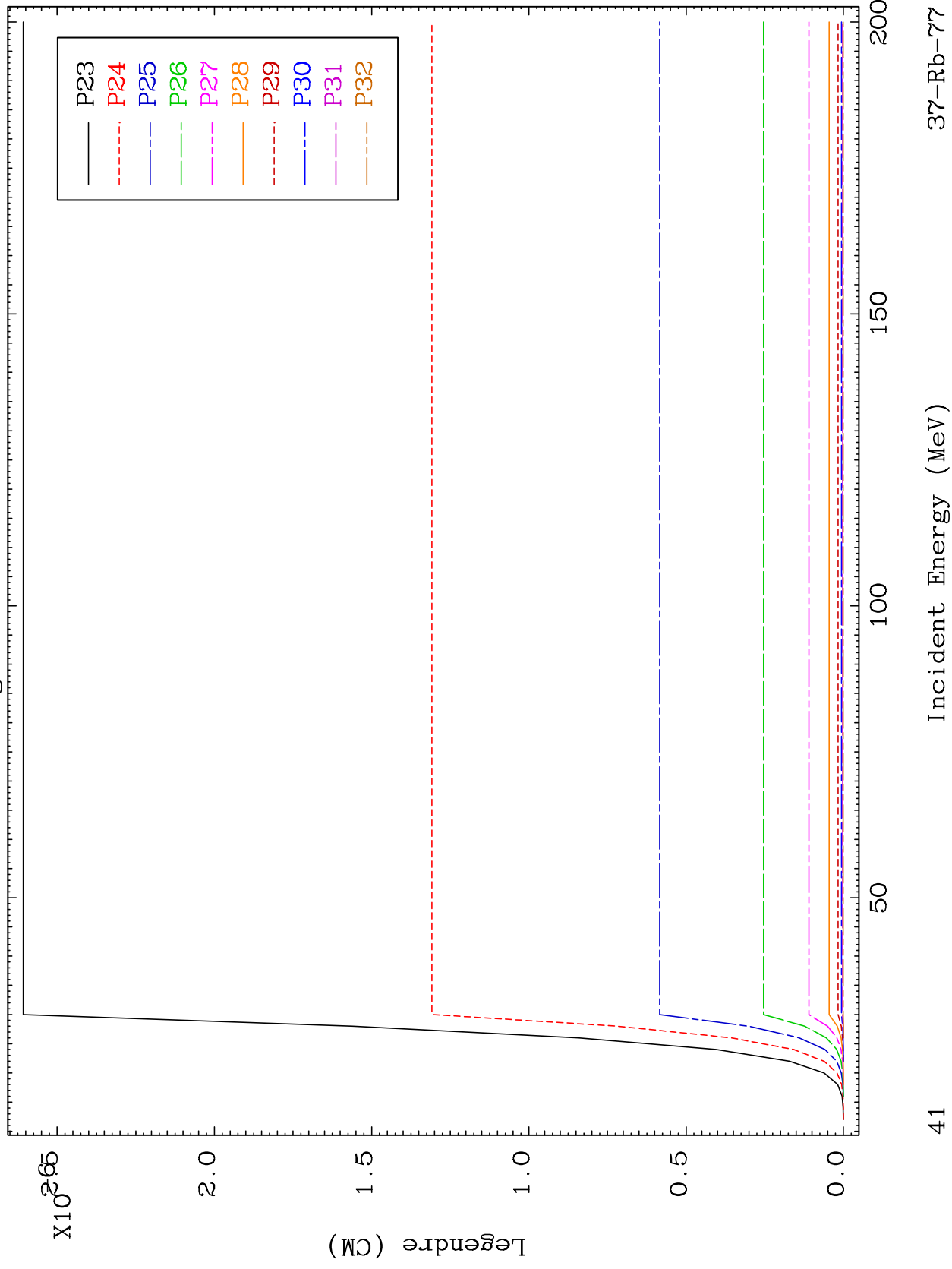
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

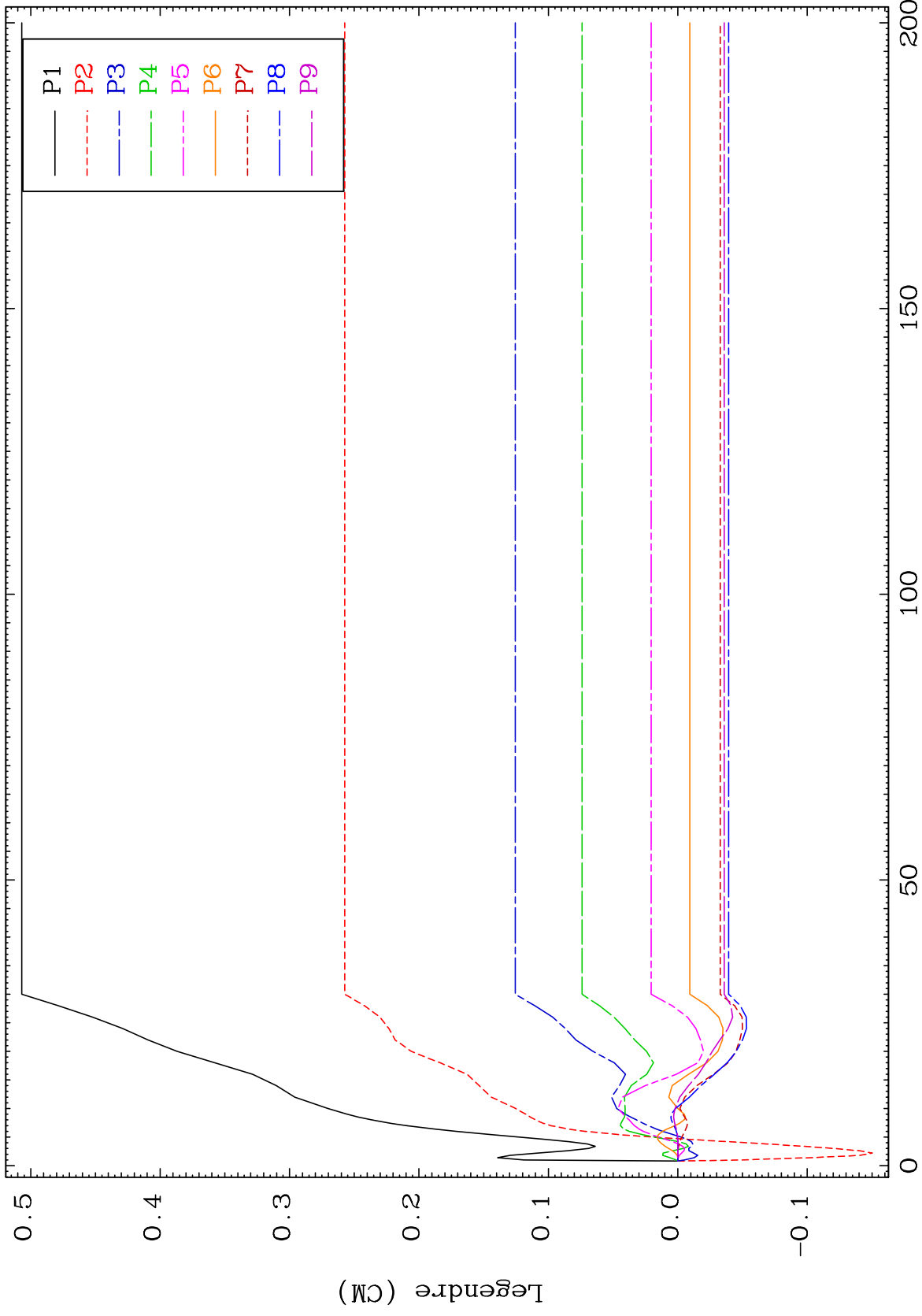
37-Rb-77



MAT 3701

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

37-Rb-77



42

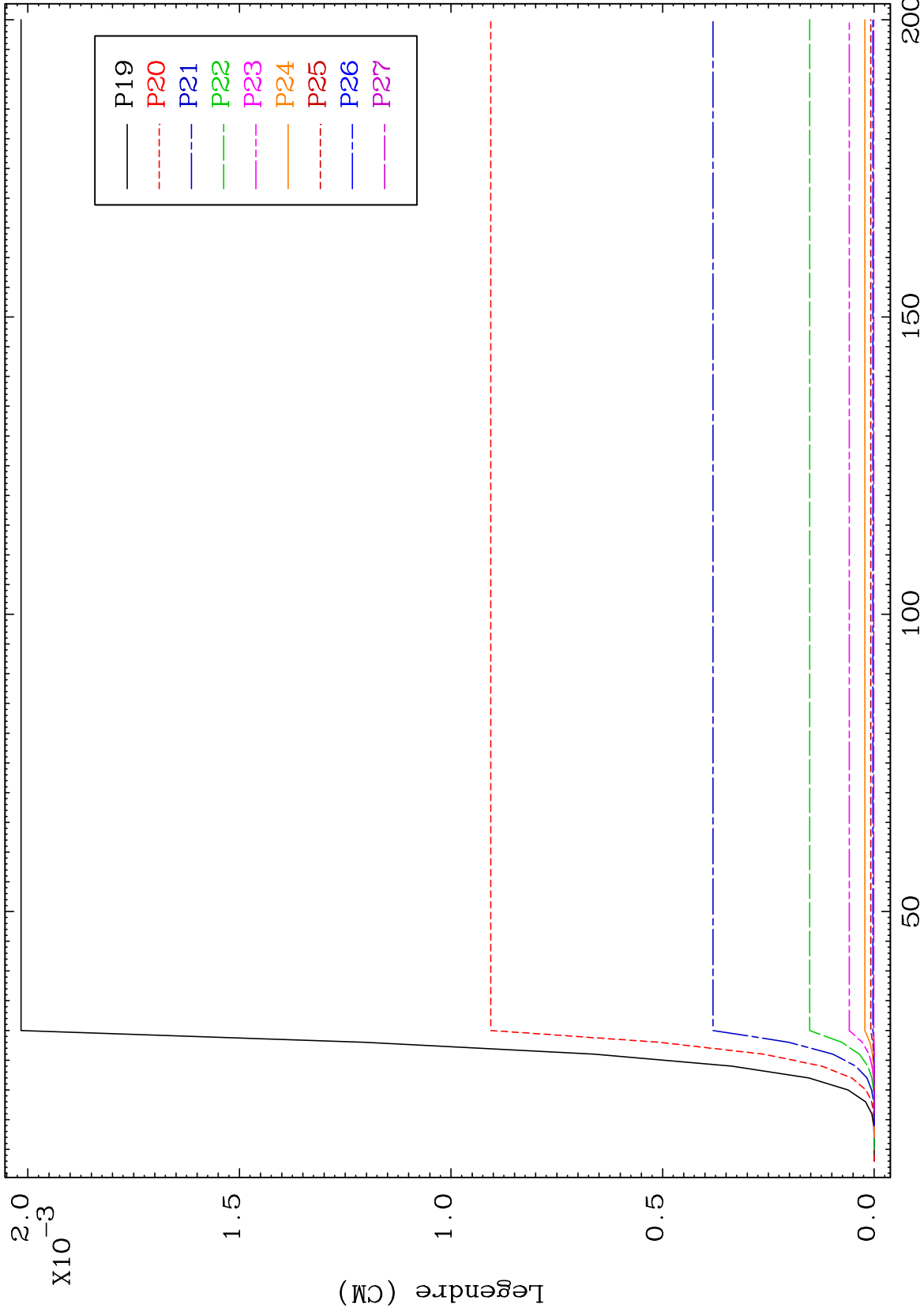
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



44

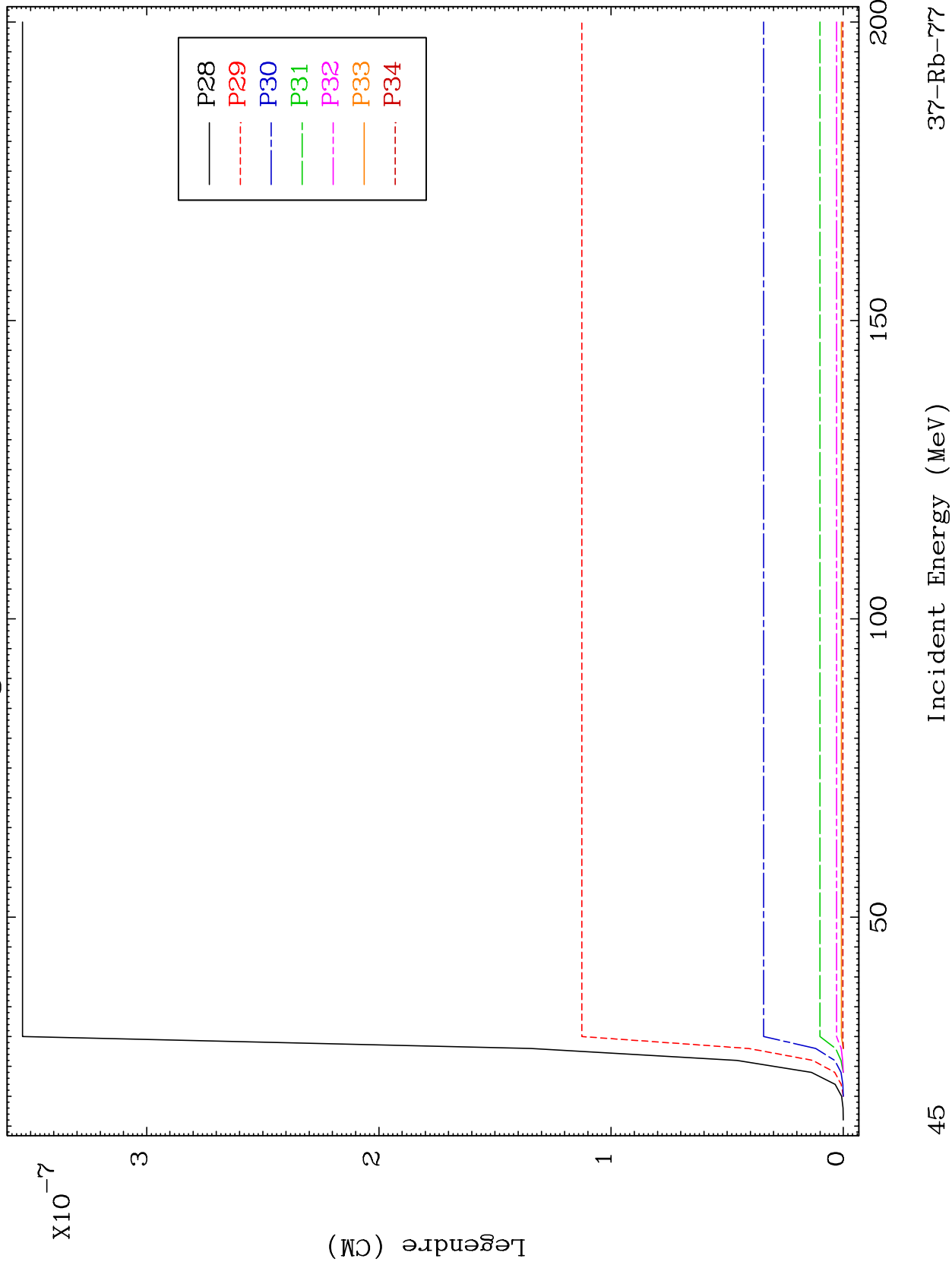
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

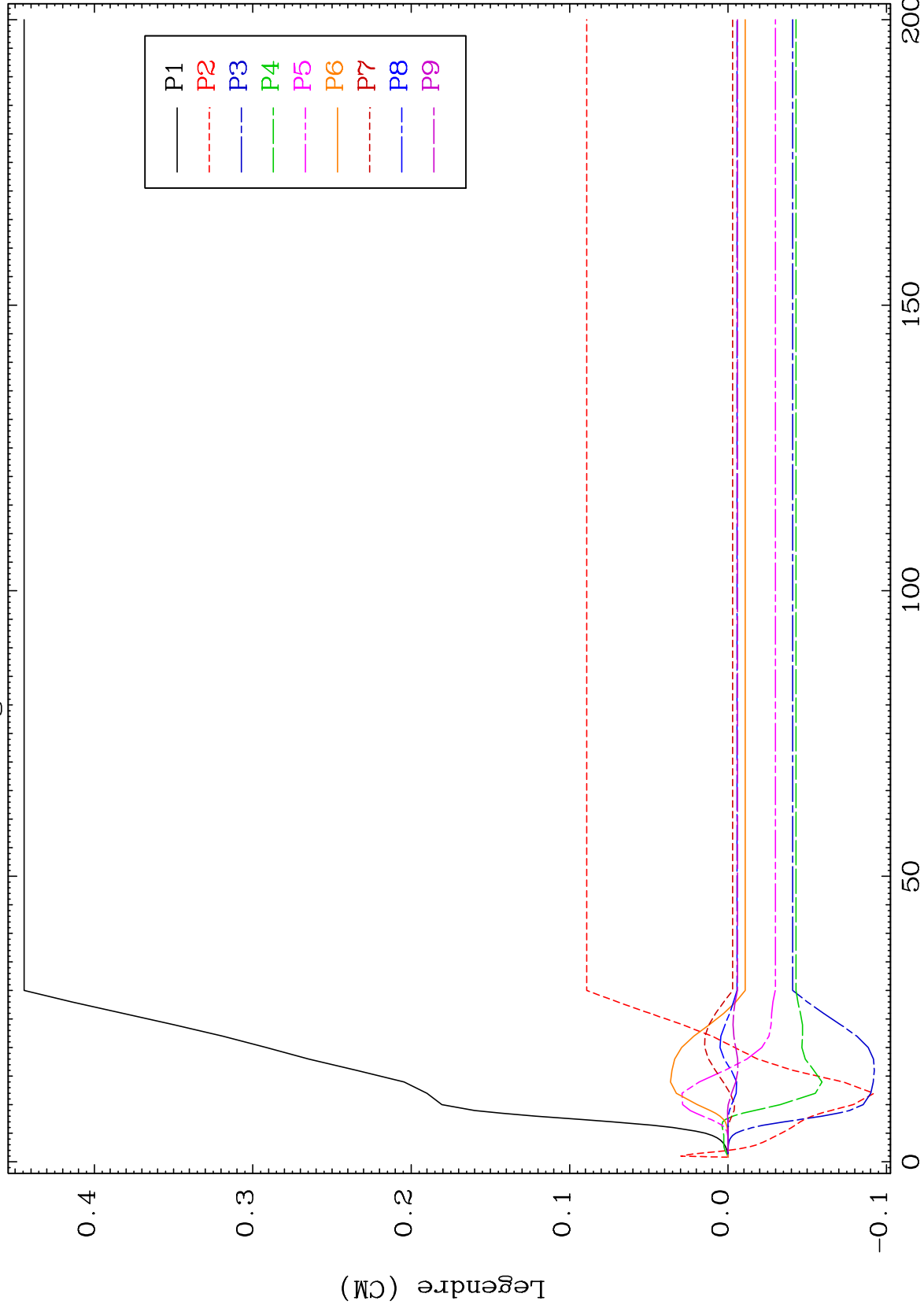
37-Rb-77



MAT 3701

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

37-Rb-77



46

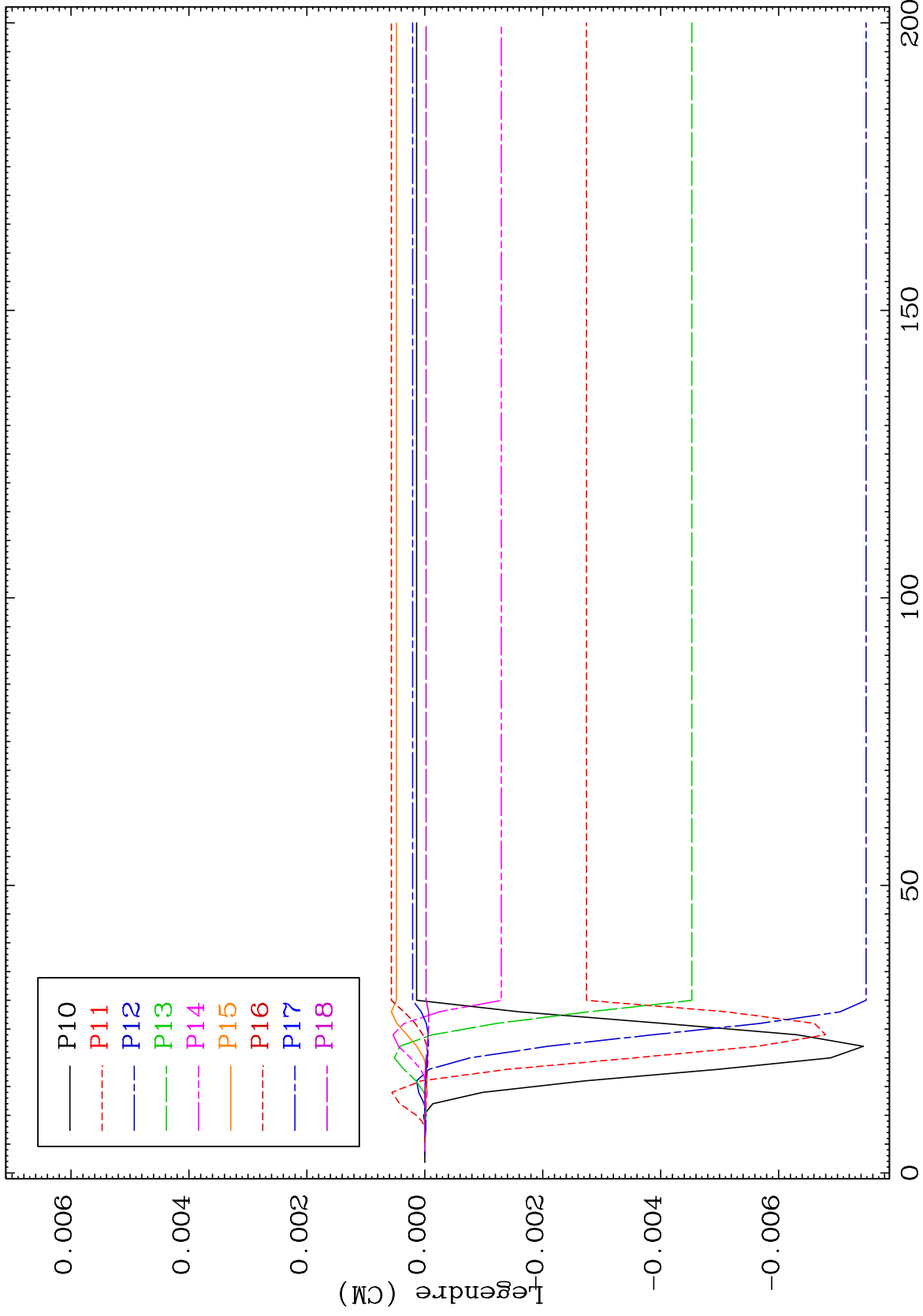
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



47

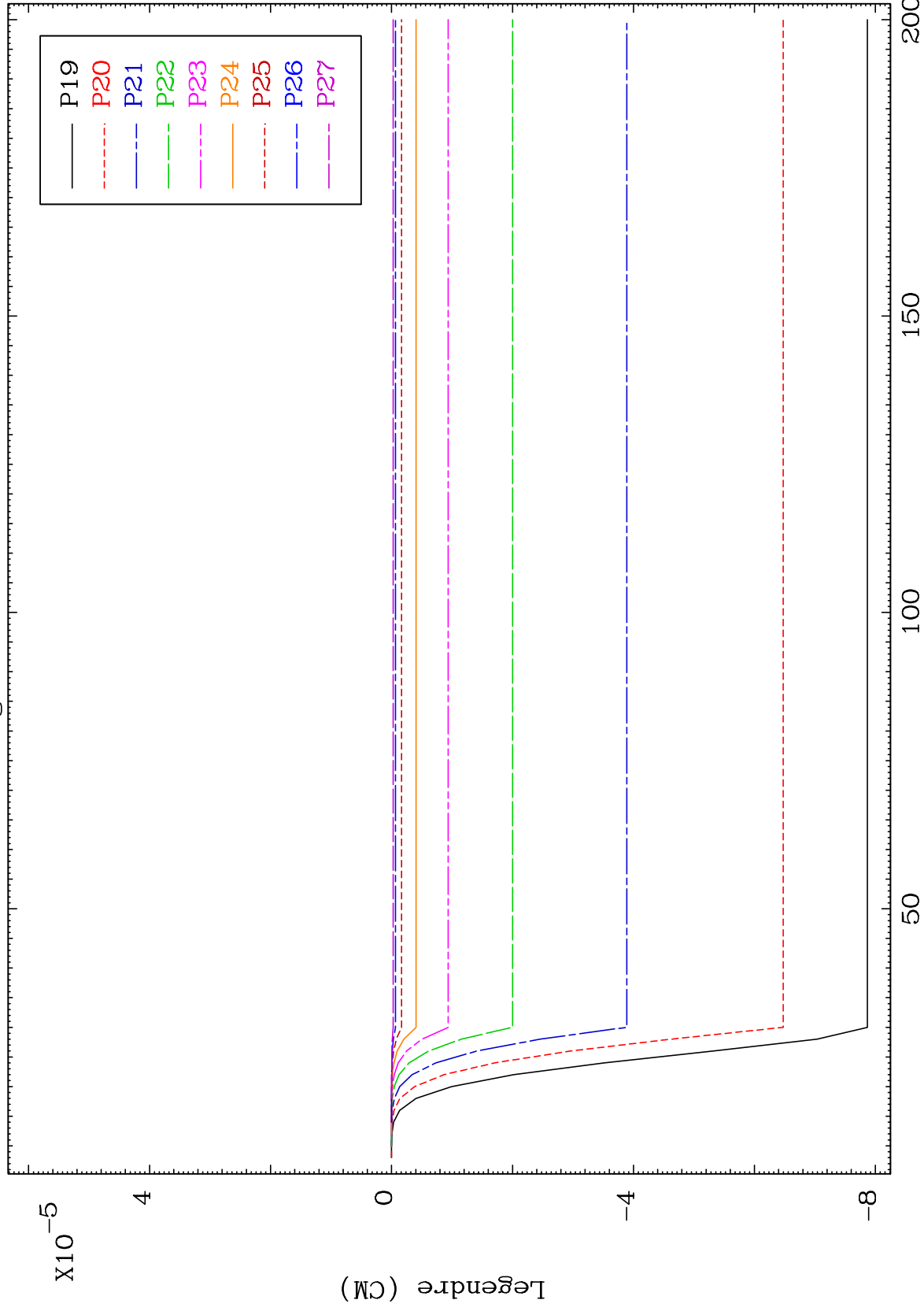
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



48

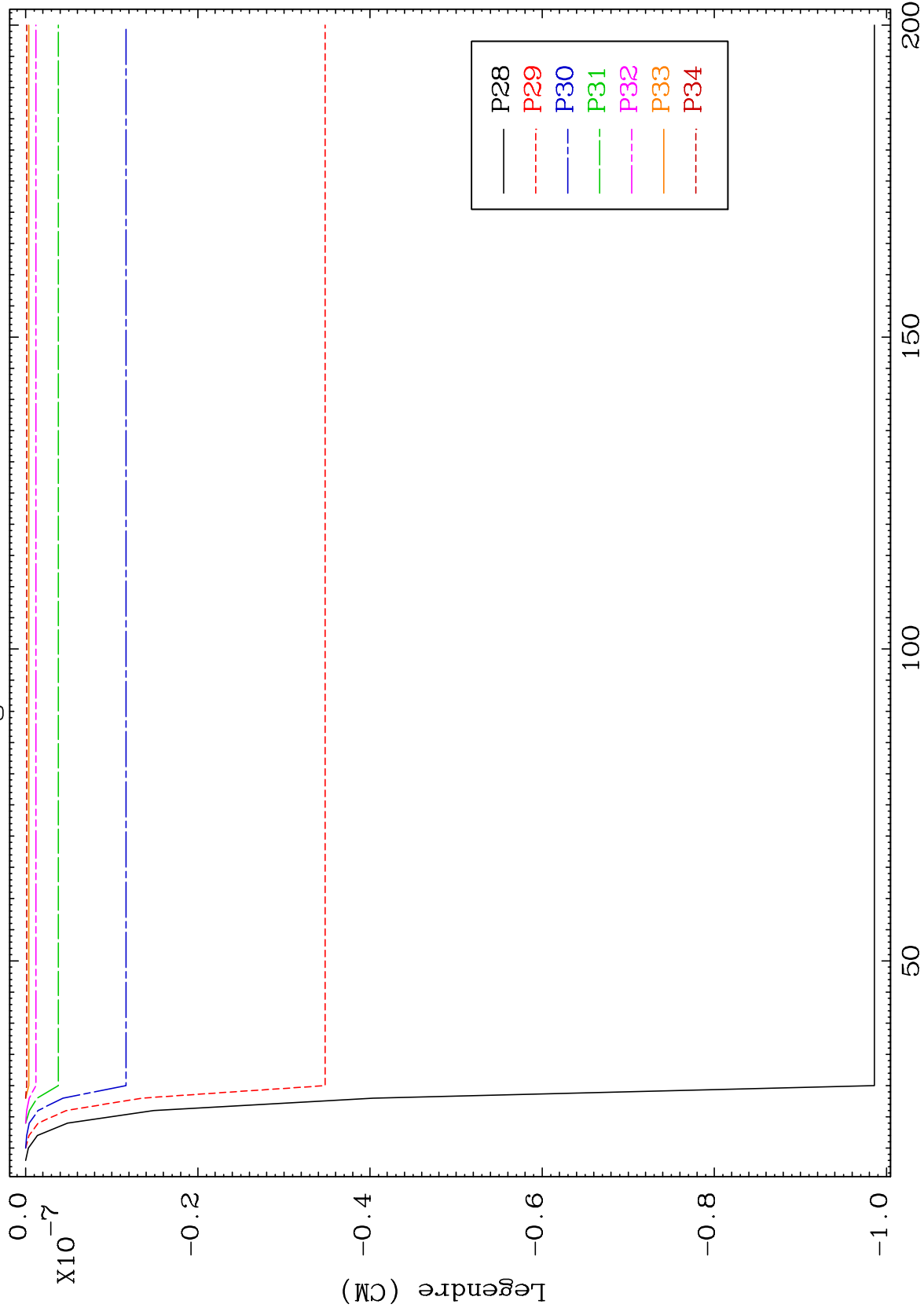
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

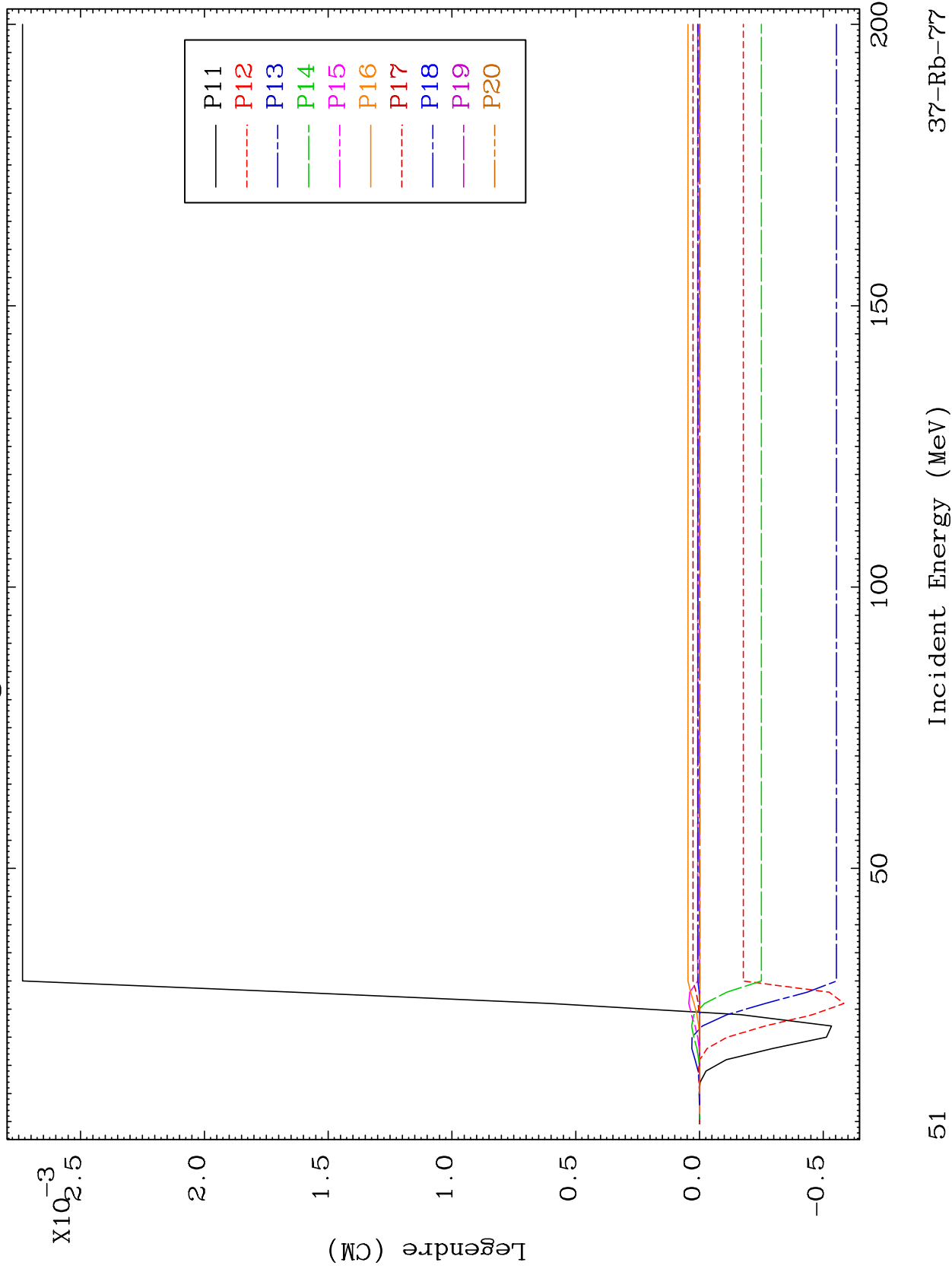
37-Rb-77



49

Incident Energy (MeV)

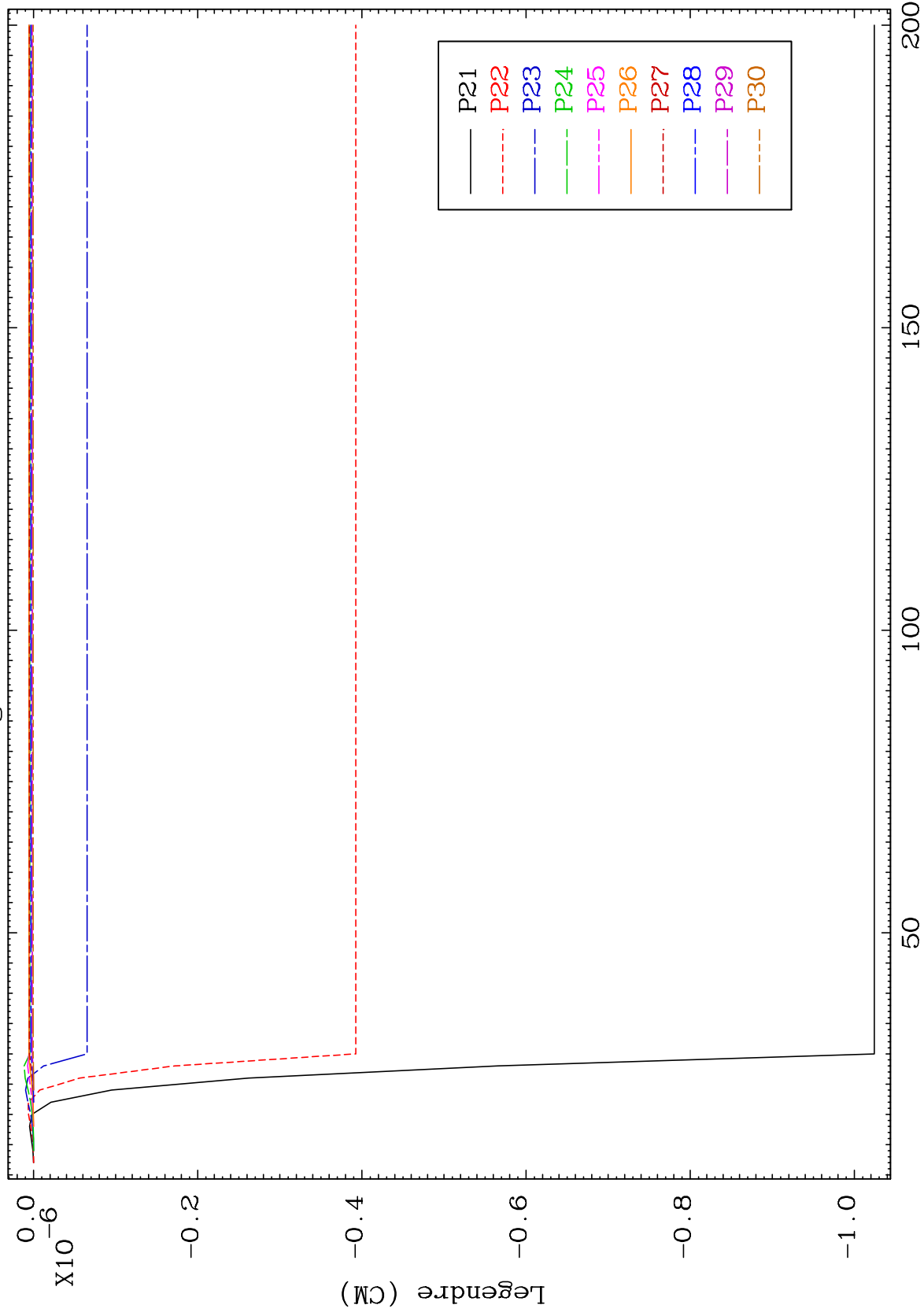
37-Rb-77



MAT 3701

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

37-Rb-77



52

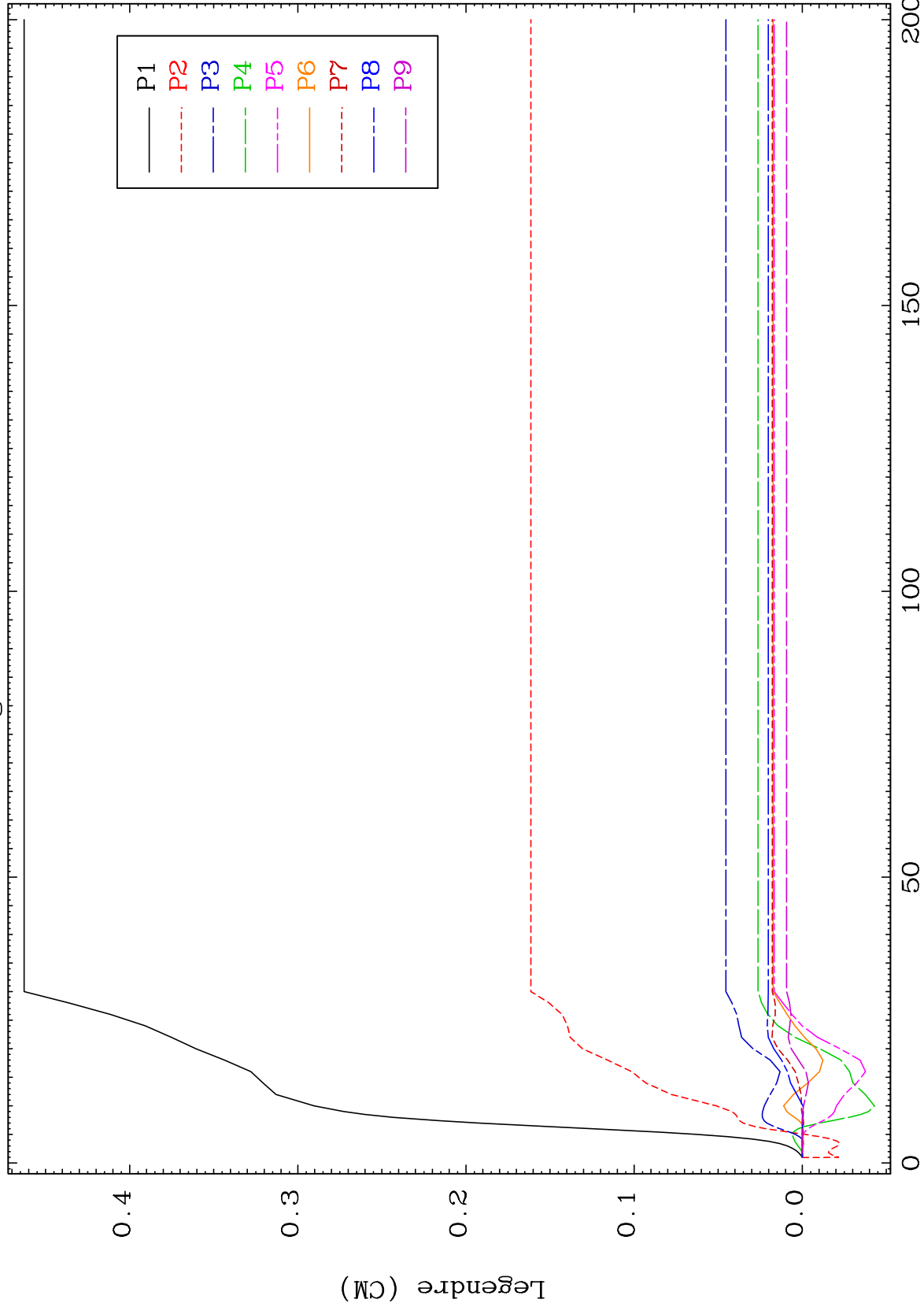
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



53

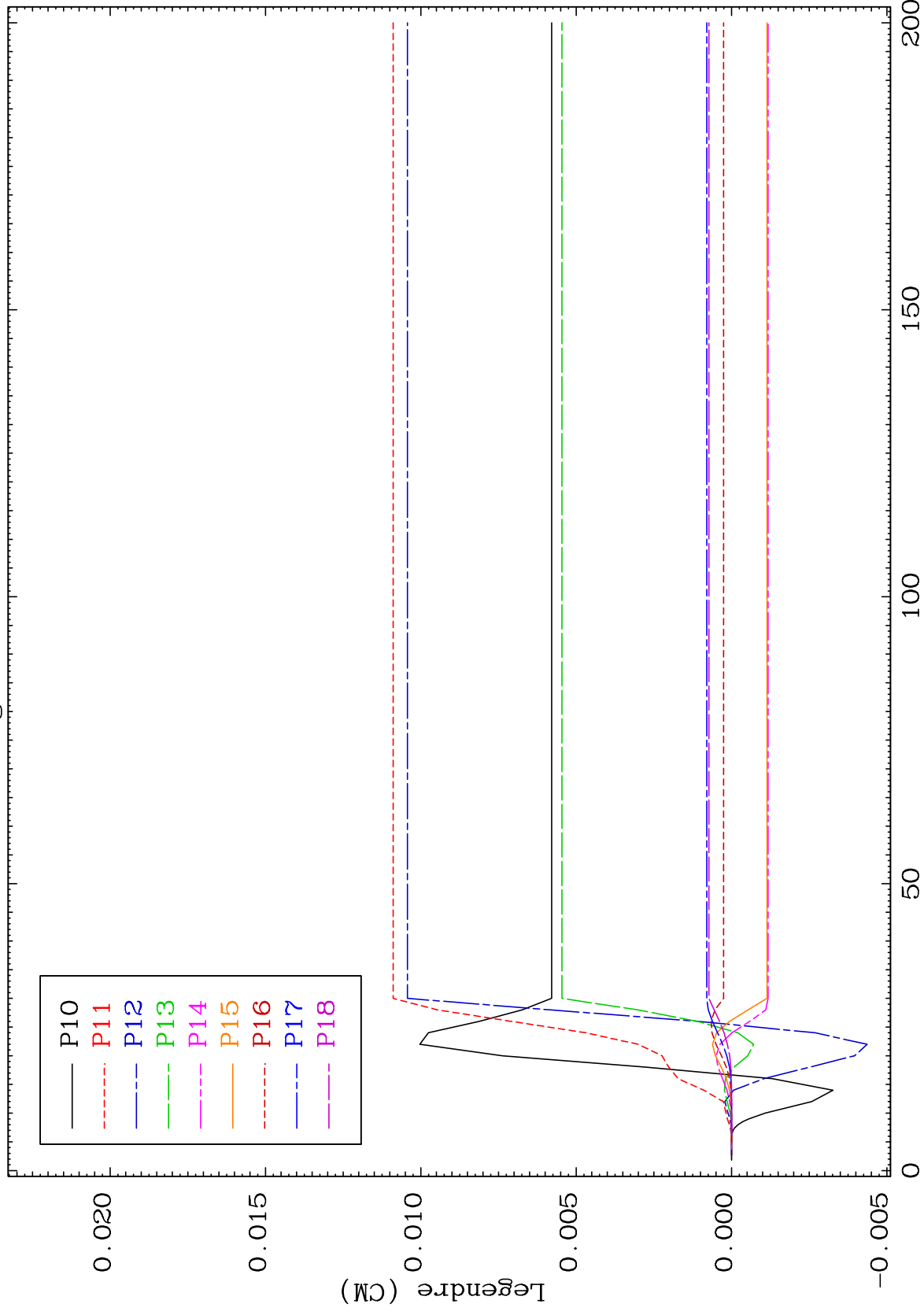
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



54

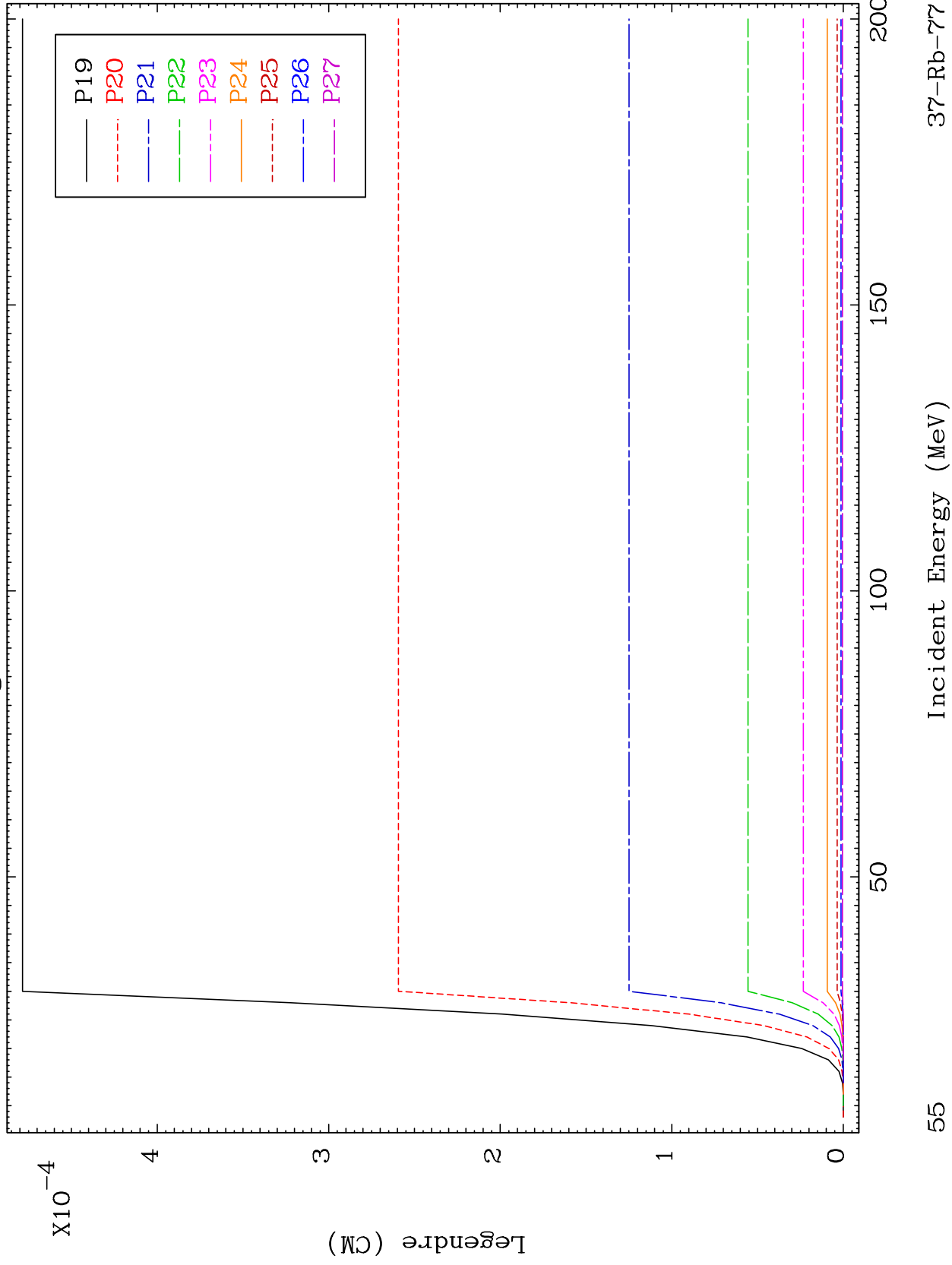
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



55

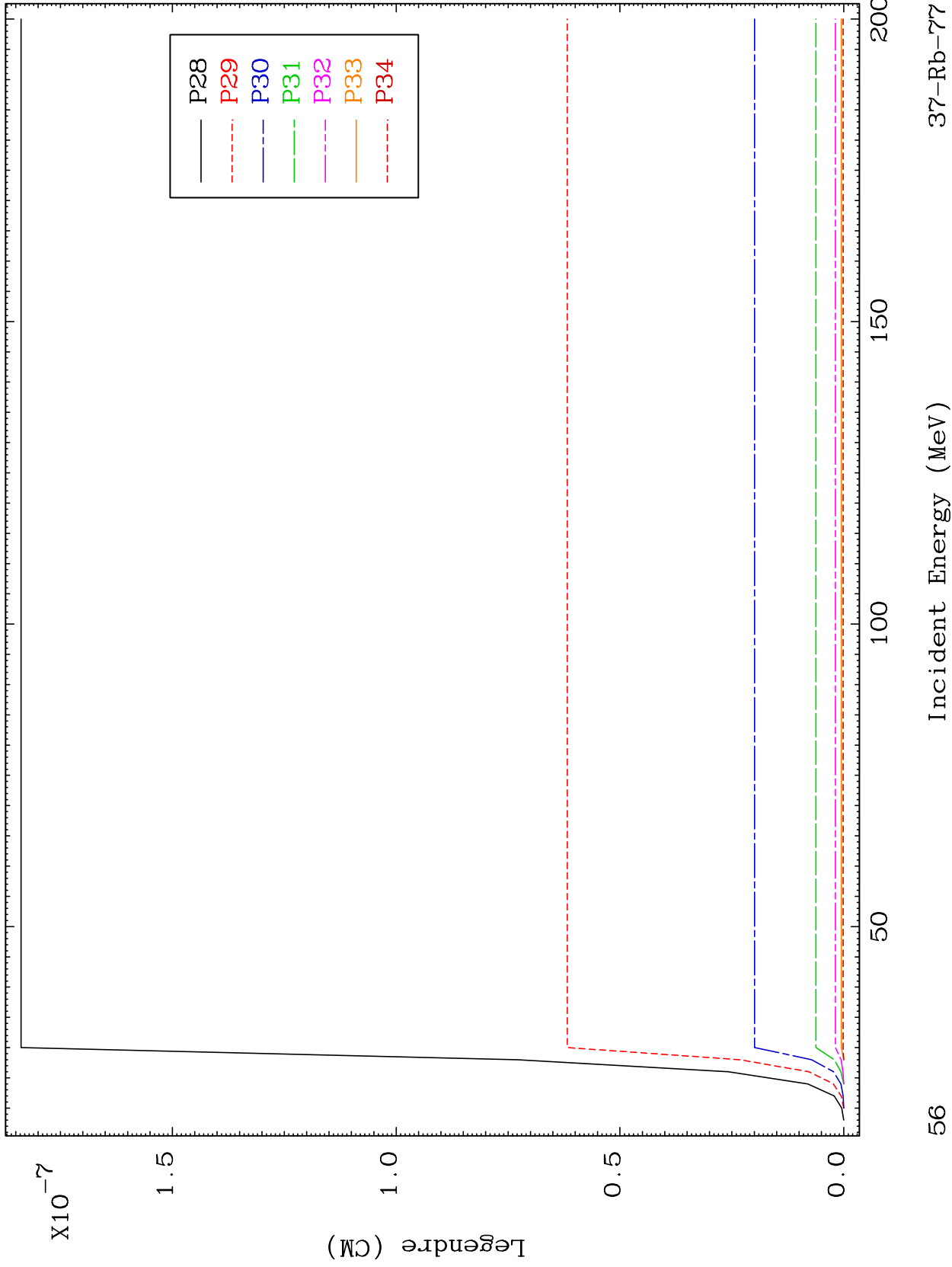
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



56

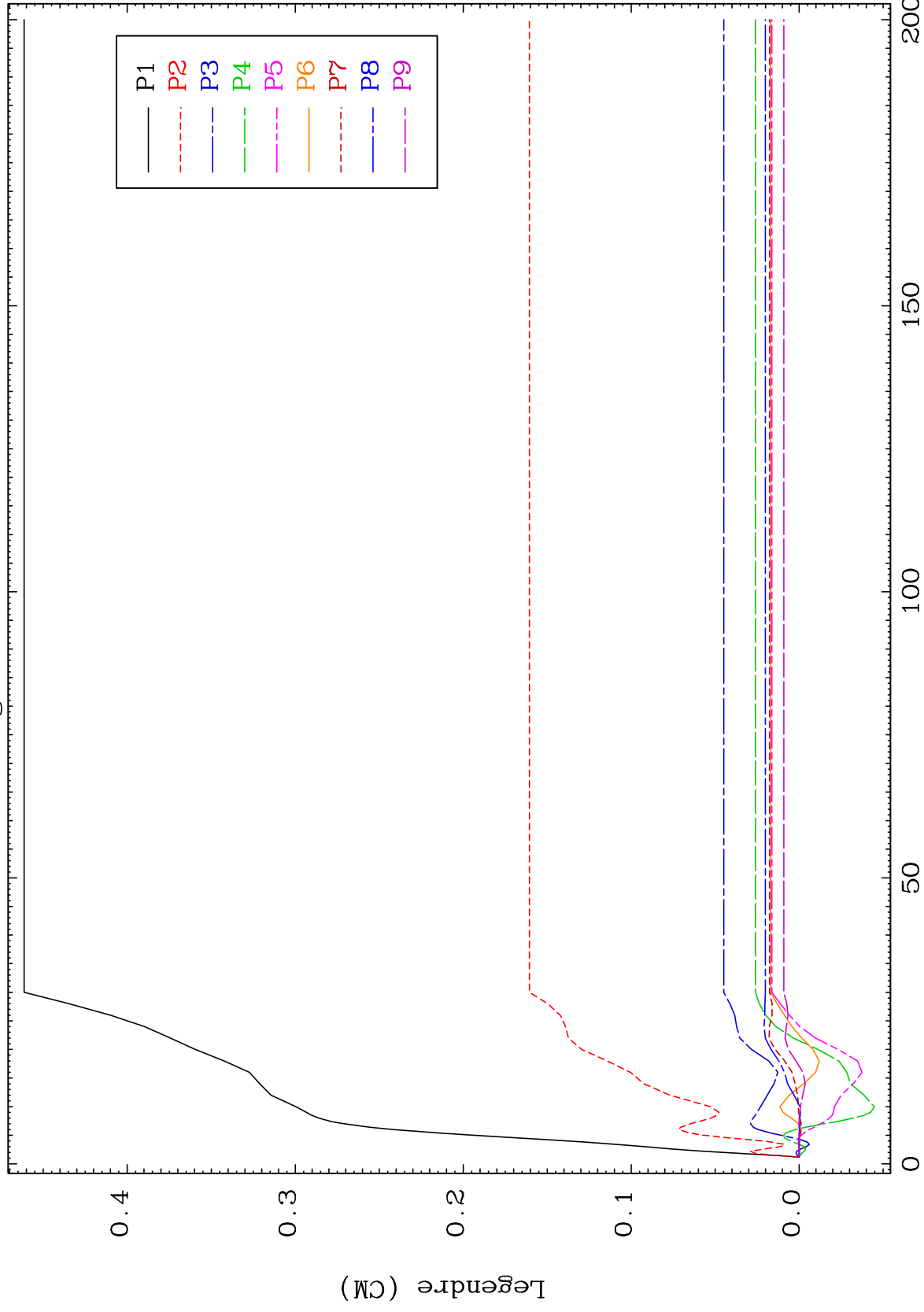
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



57

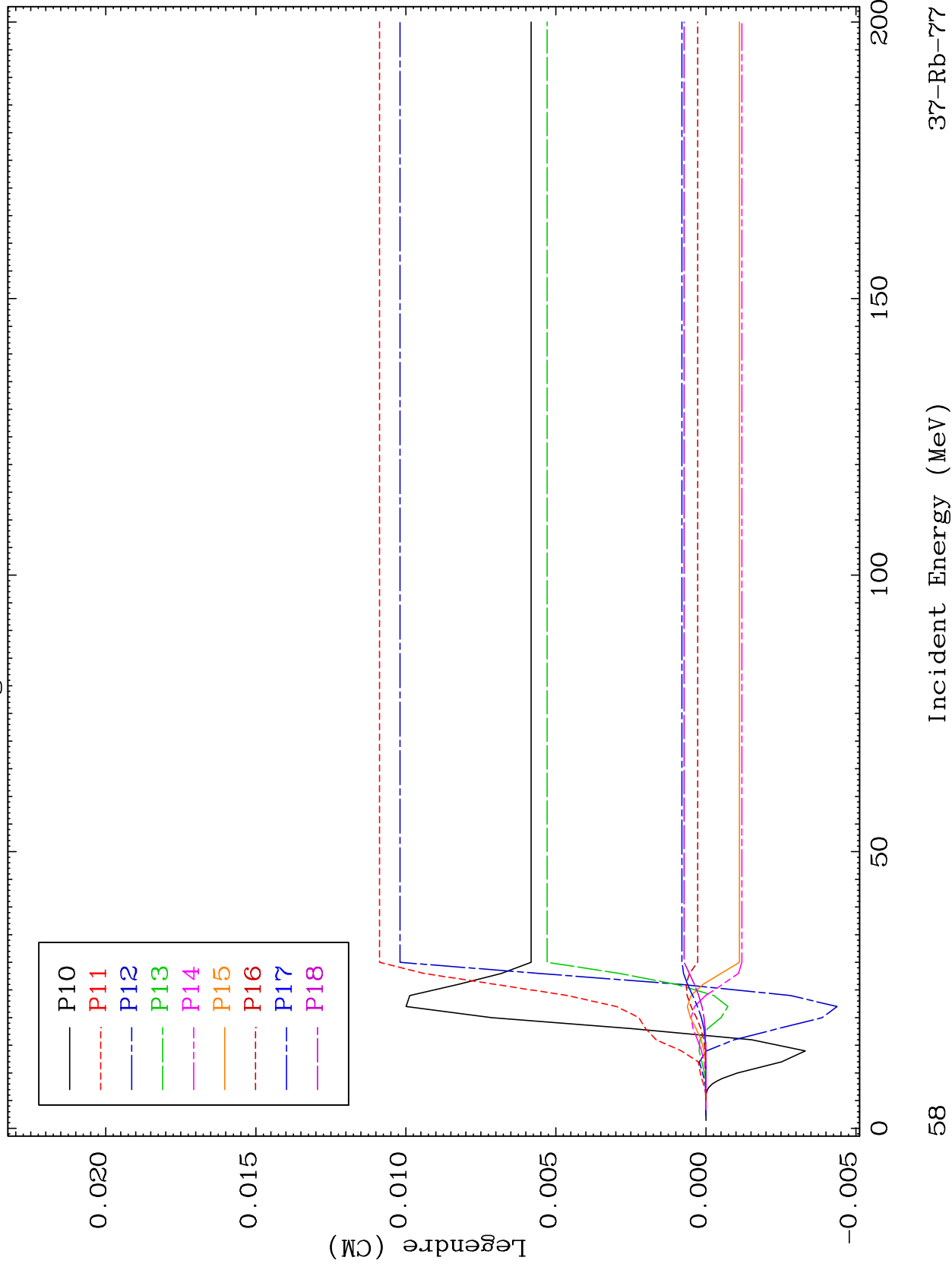
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



58

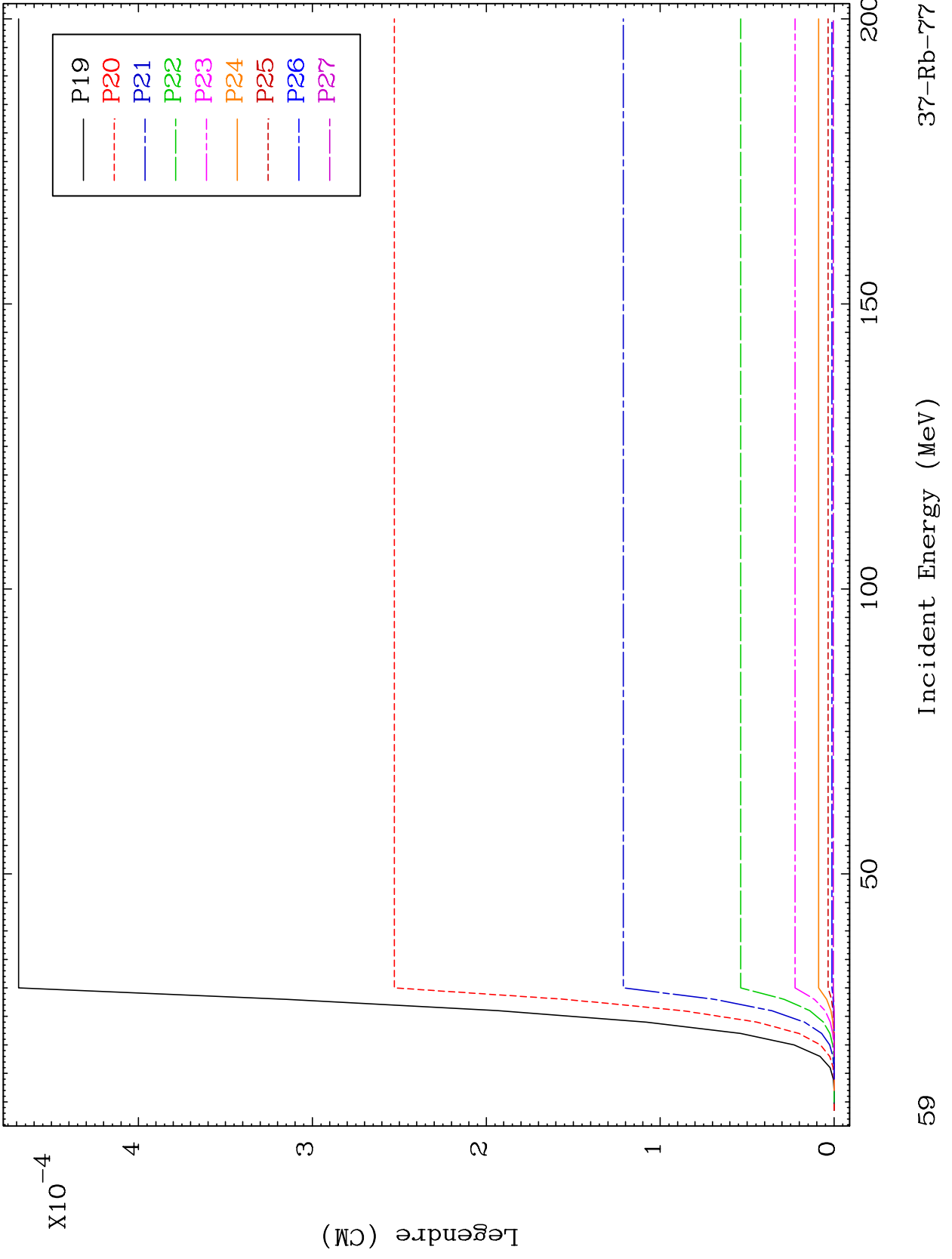
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

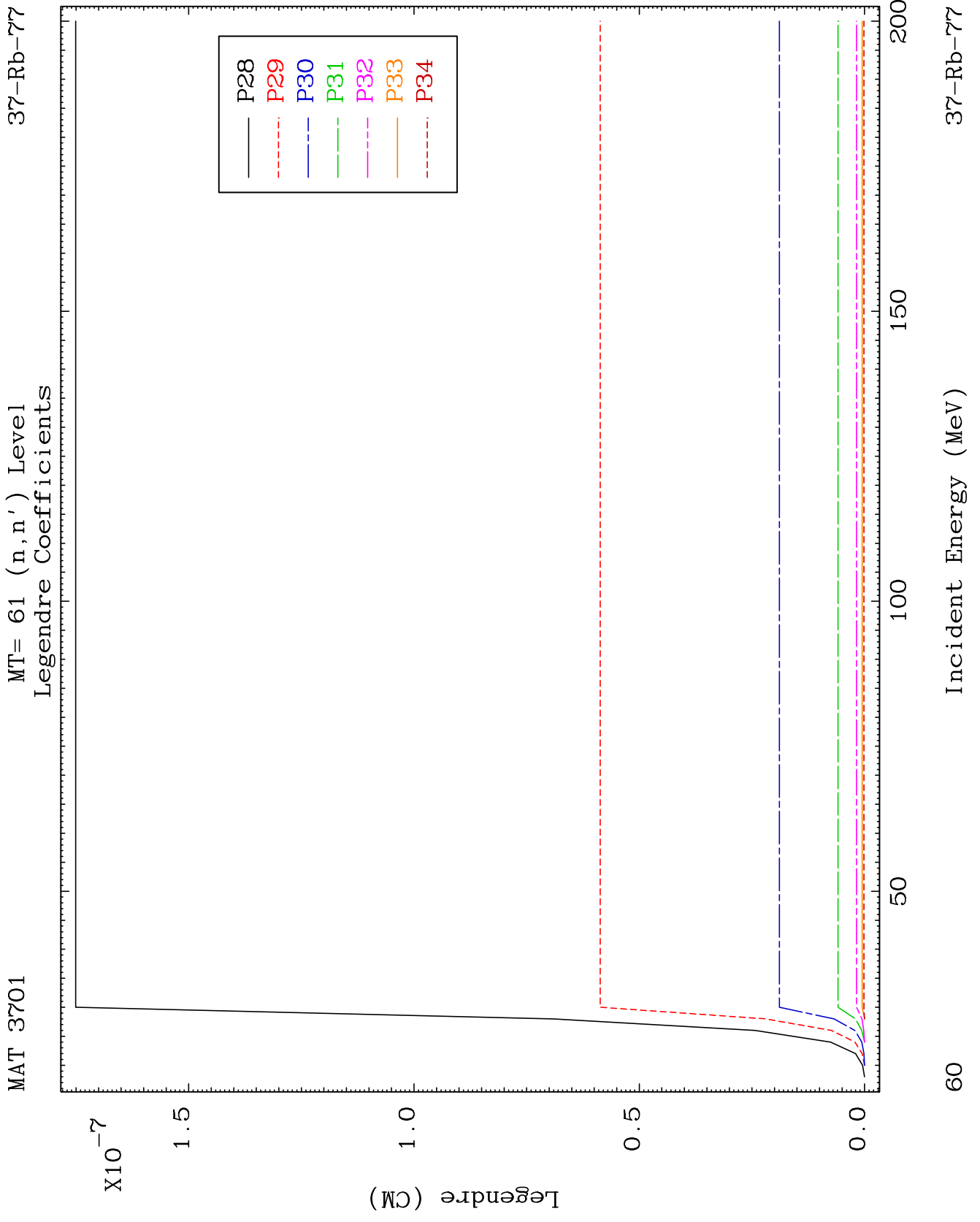
37-Rb-77



59

Incident Energy (MeV)

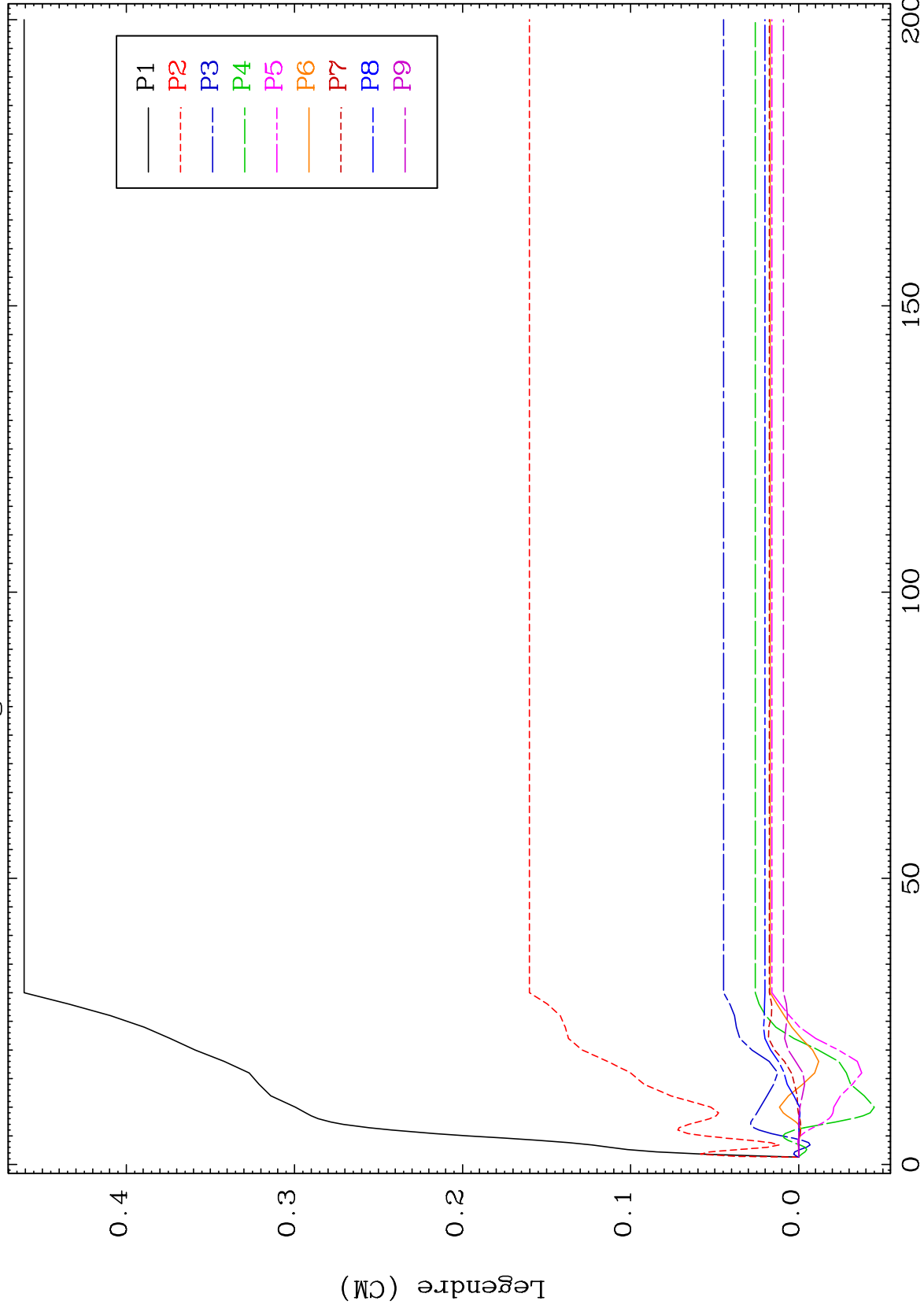
37-Rb-77



MAT 3701

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

37-Rb-77



61

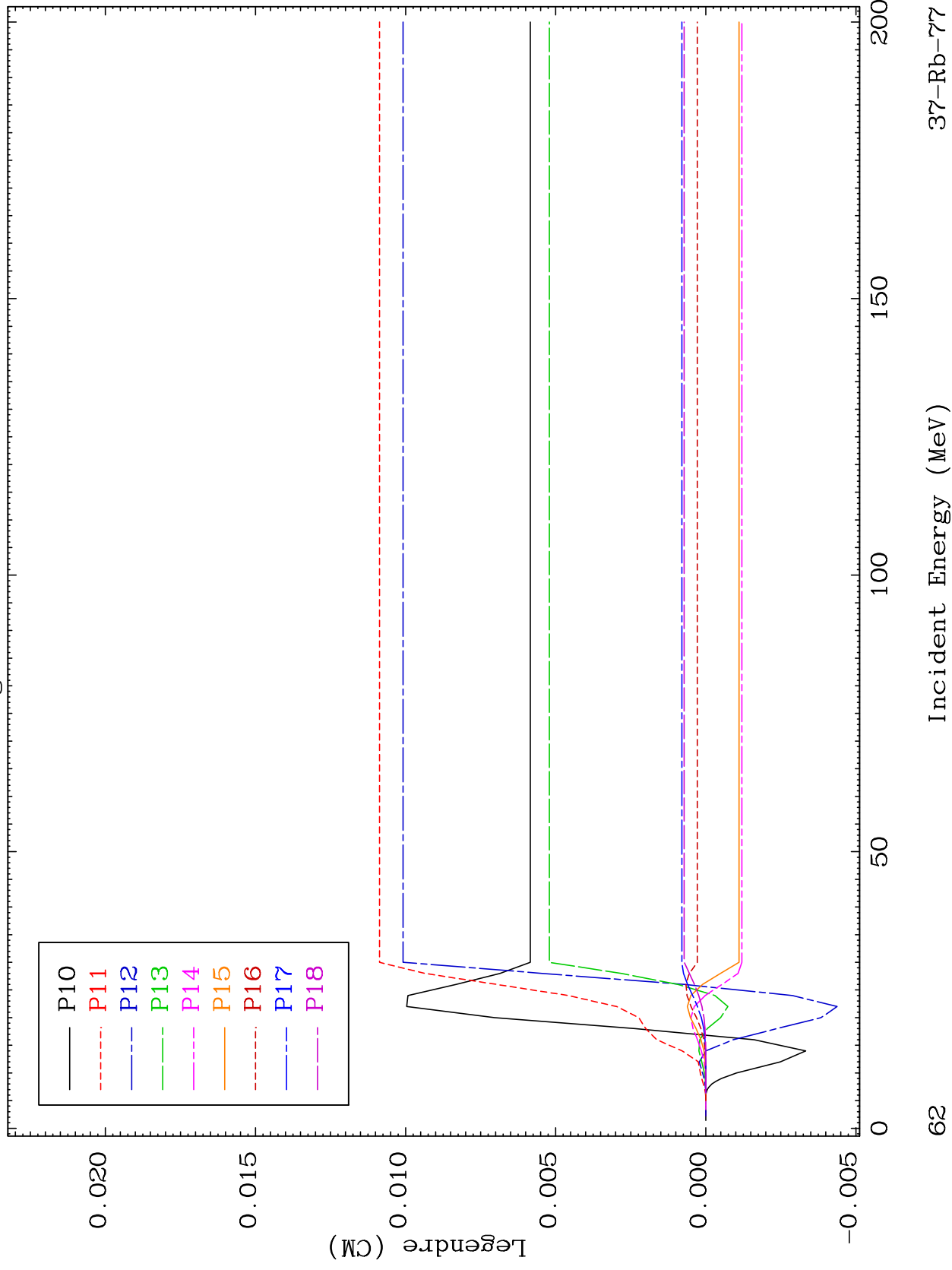
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



37-Rb-77

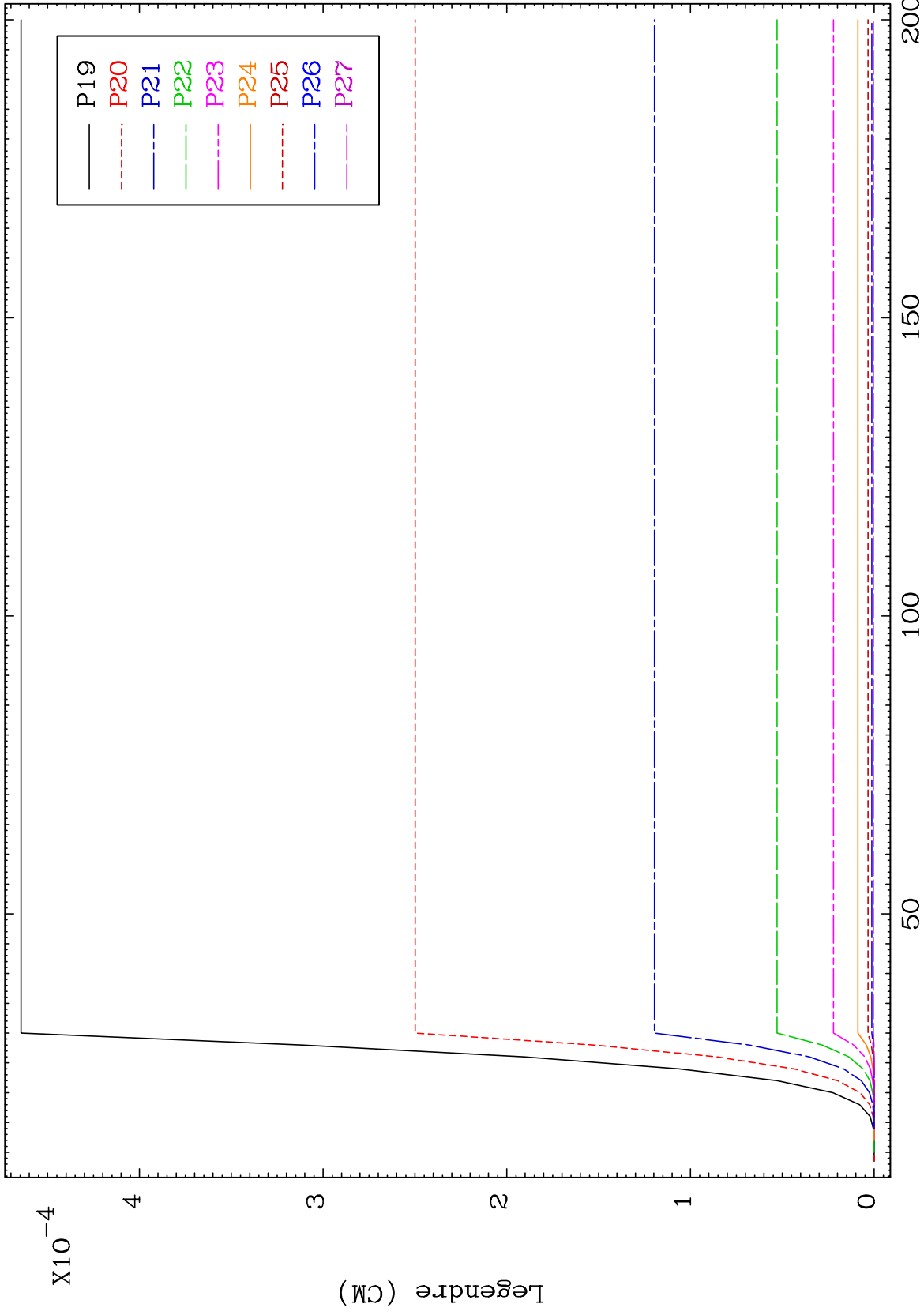
Incident Energy (MeV)

62

MAT 3701

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

37-Rb-77



63

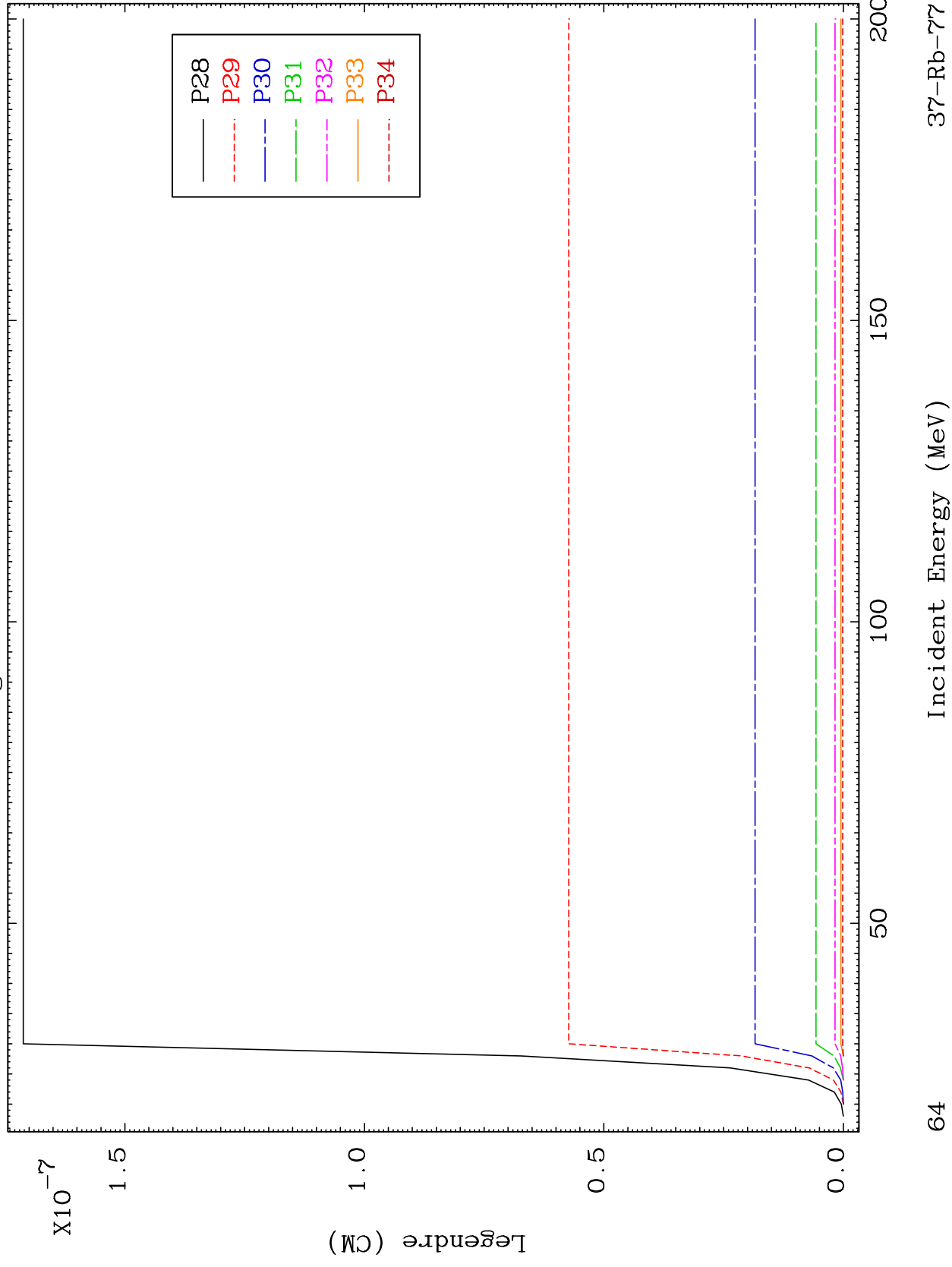
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



64

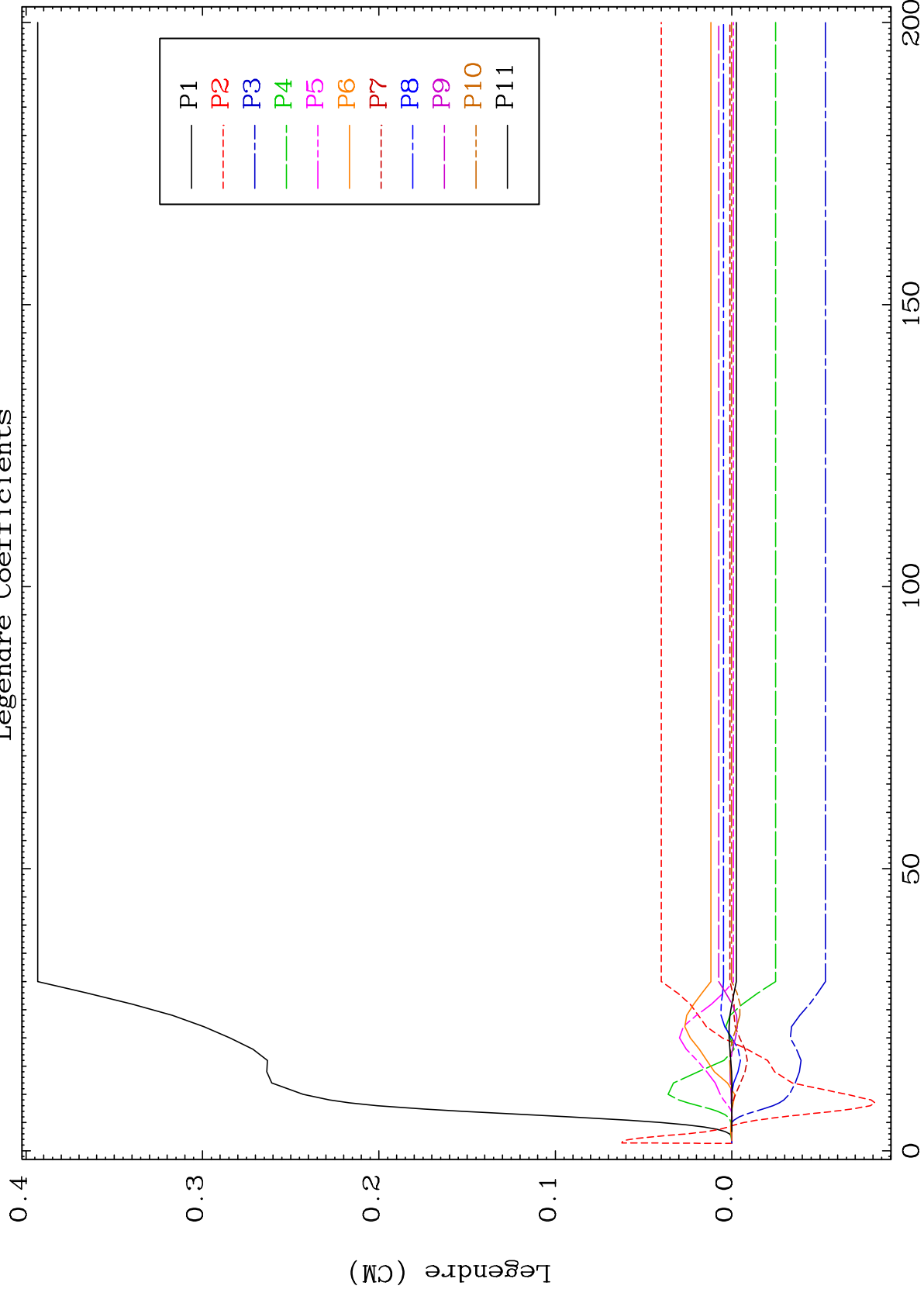
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

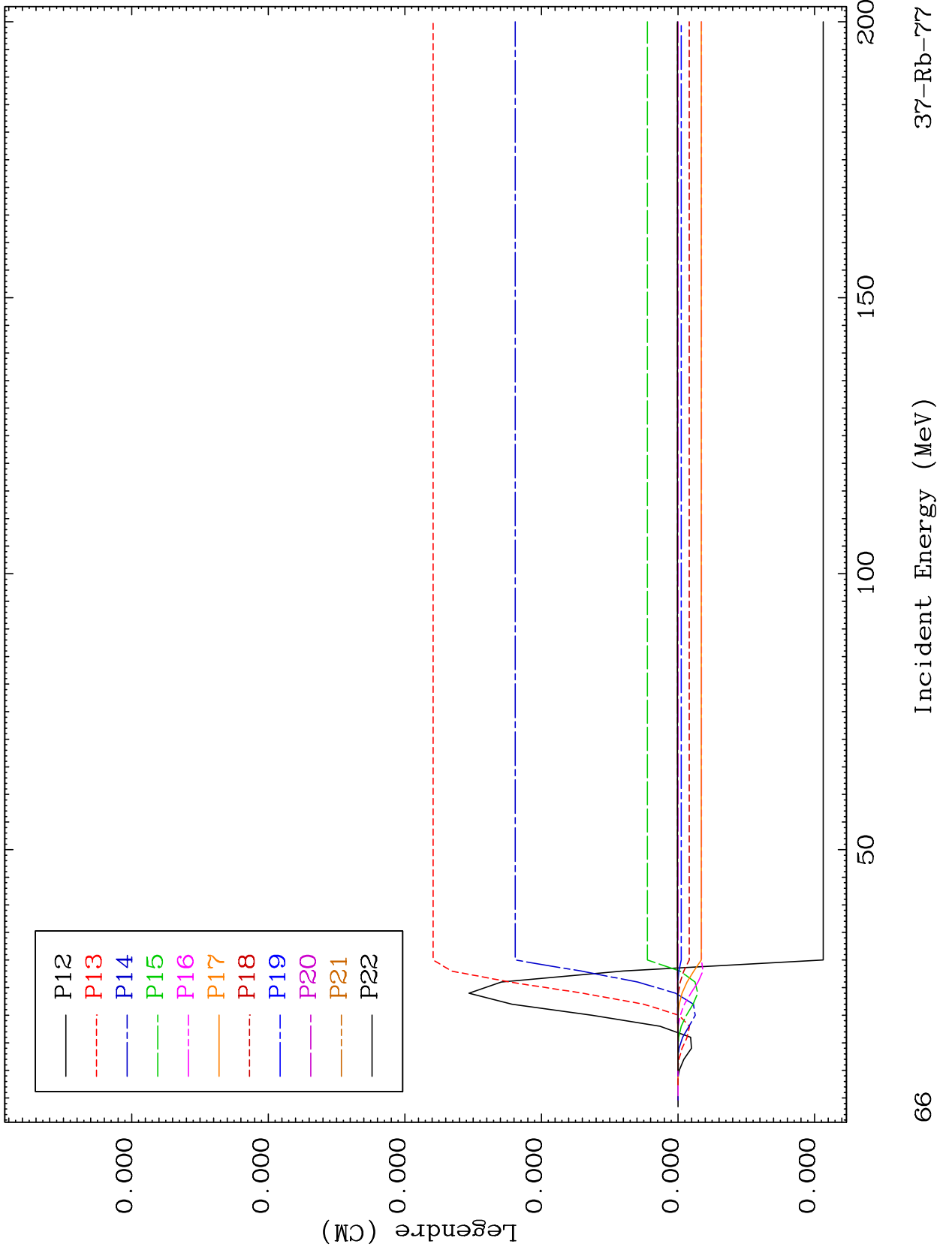
37-Rb-77



65

Incident Energy (MeV)

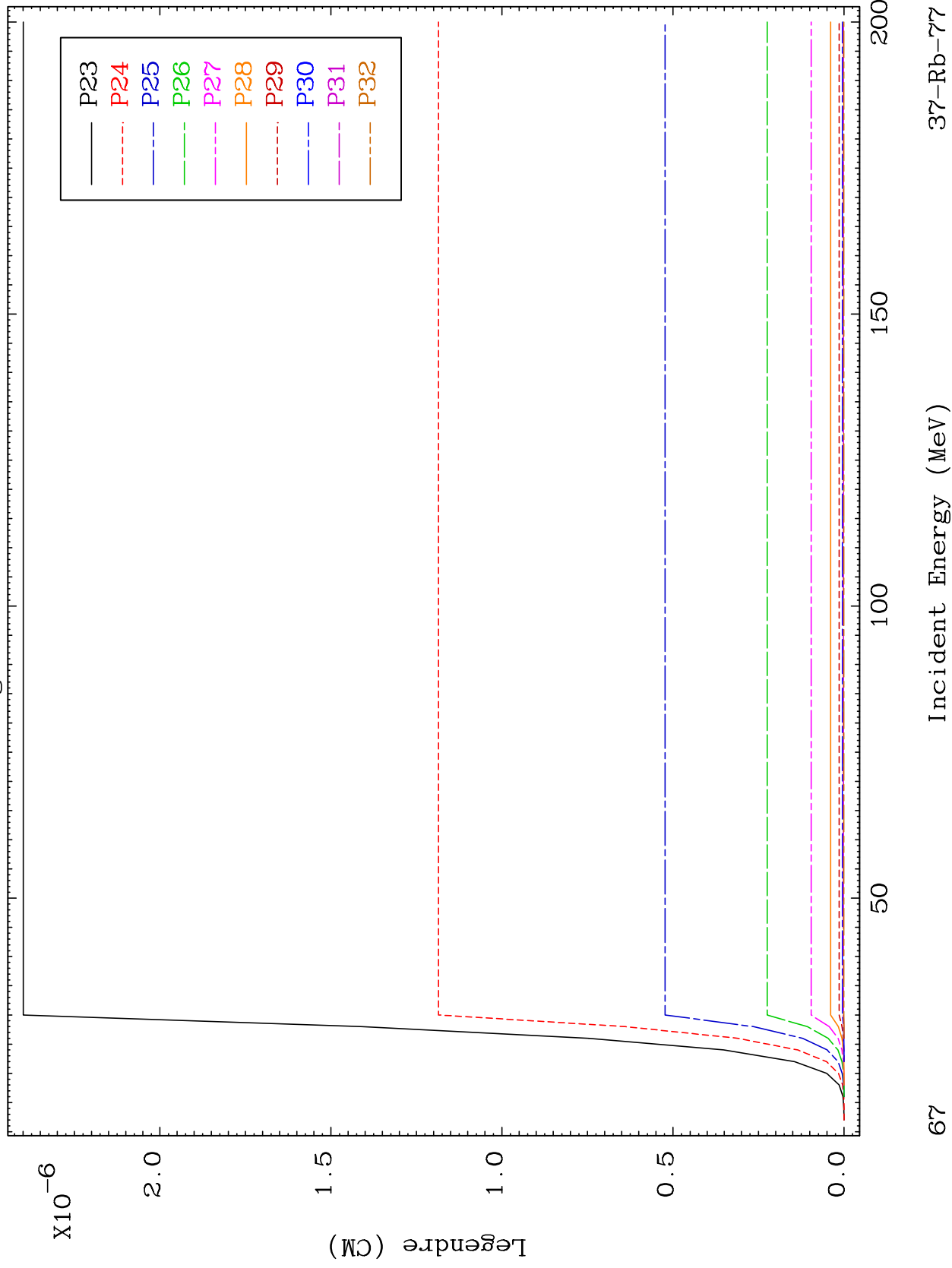
37-Rb-77



MAT 3701

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

37-Rb-77



67

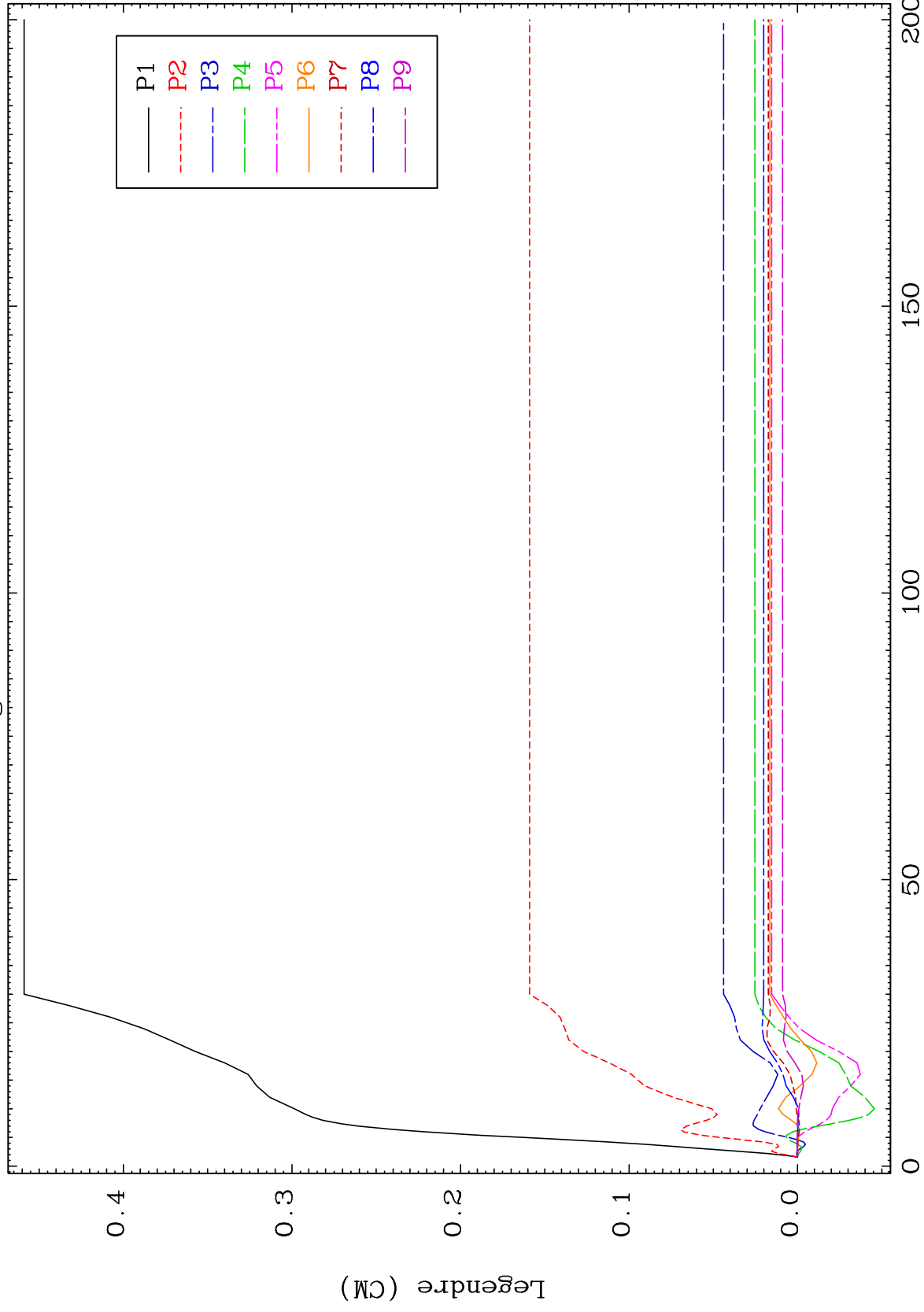
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



68

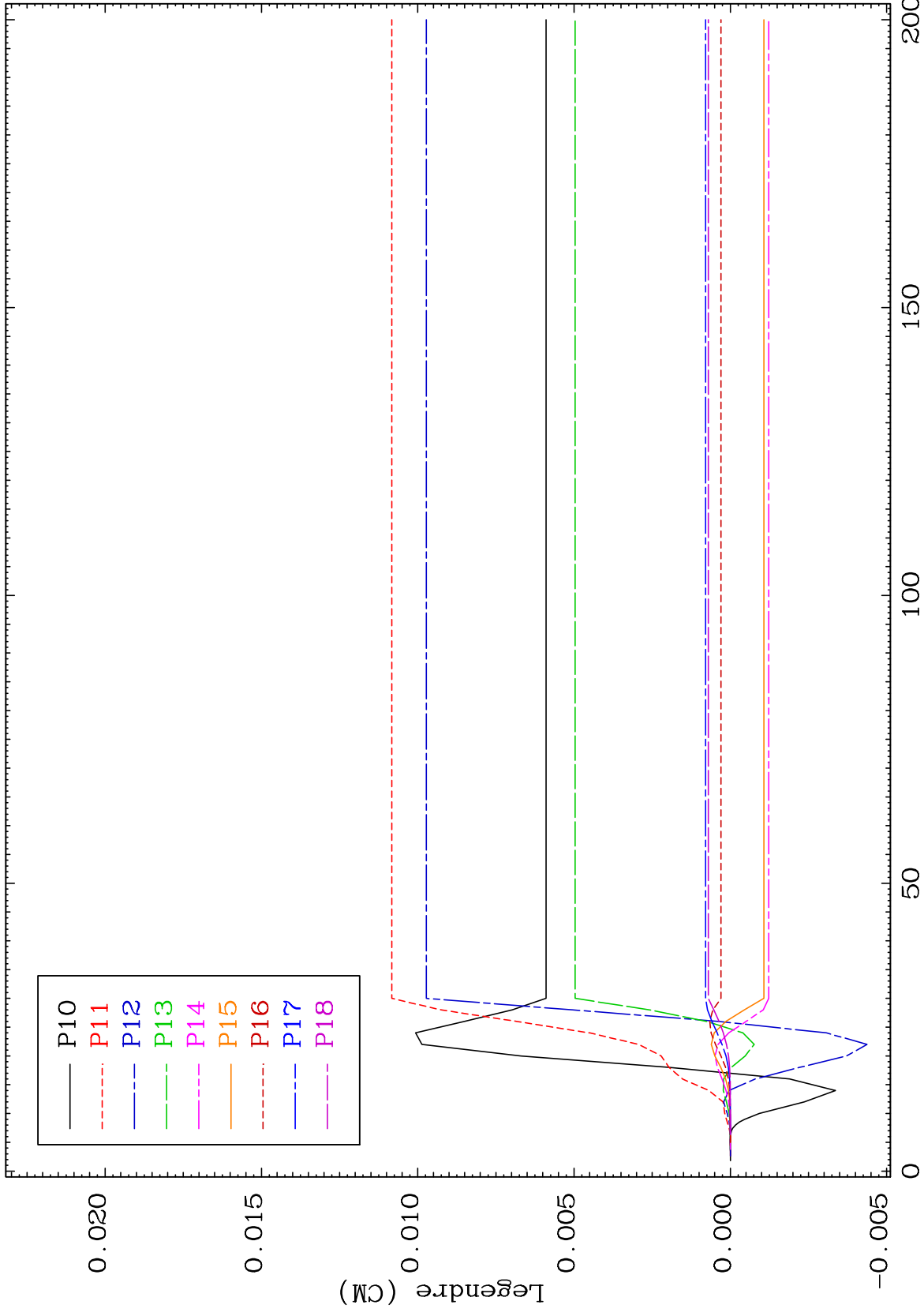
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



69

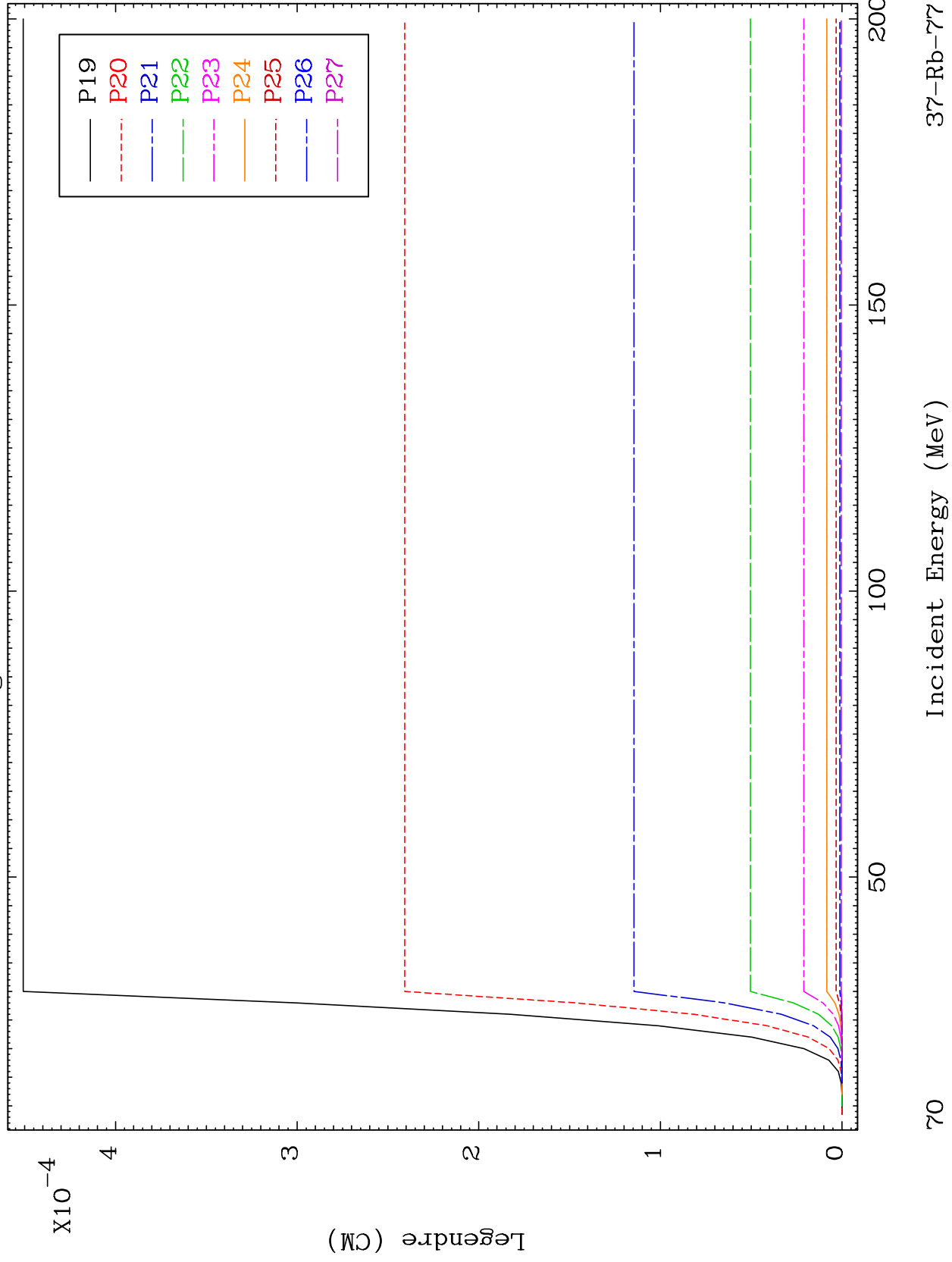
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



70

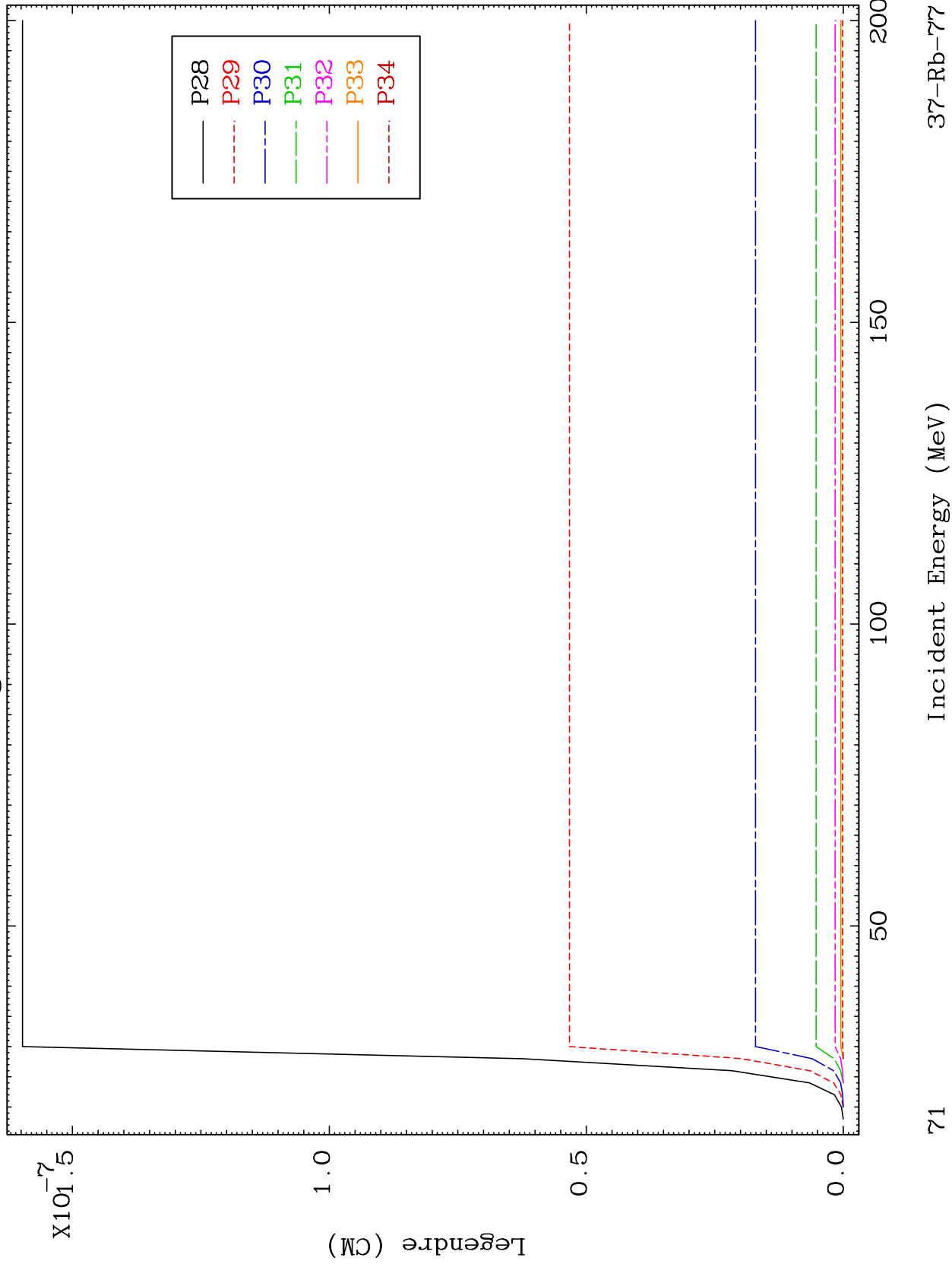
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

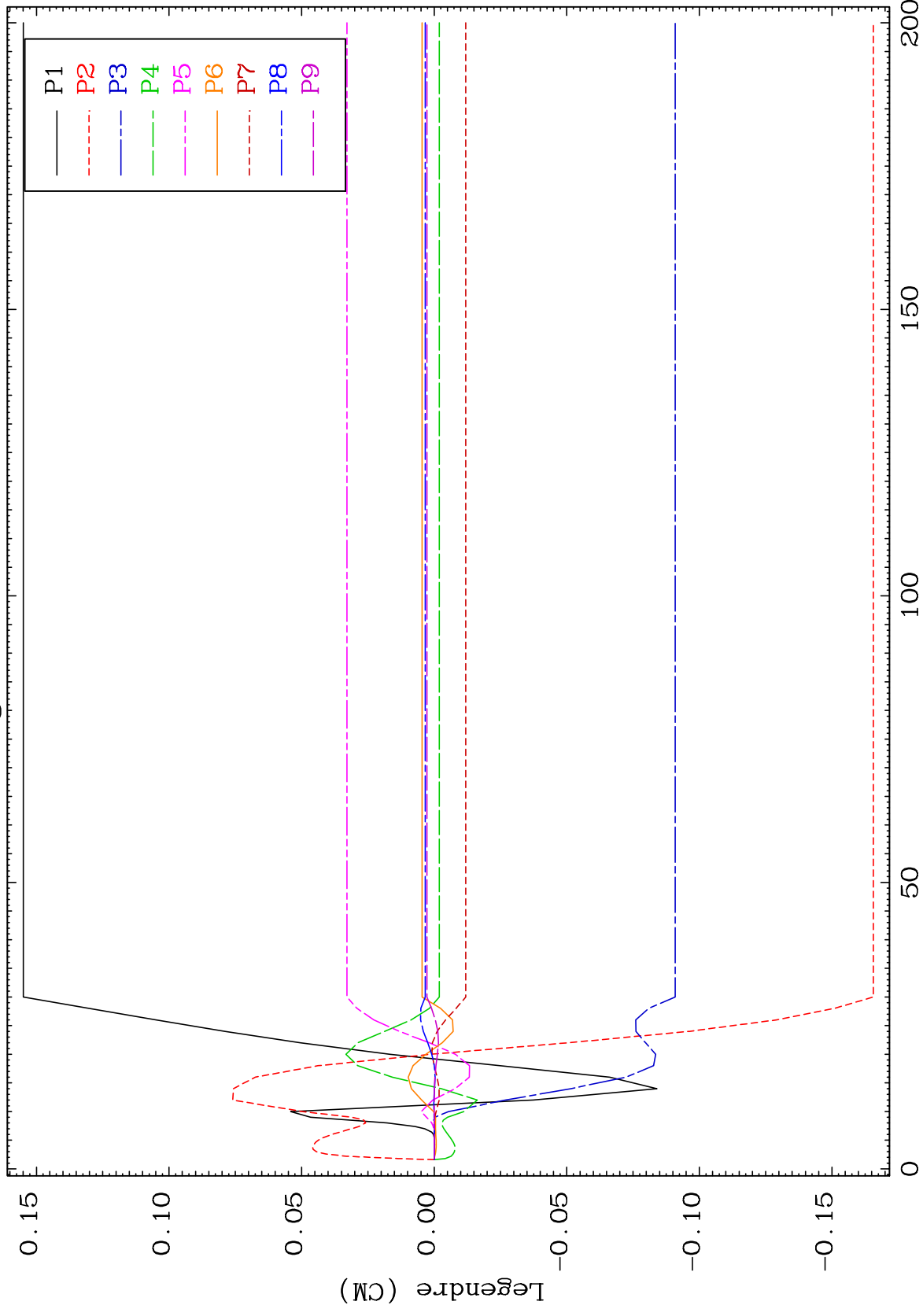
37-Rb-77



MAT 3701

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

37-Rb-77



72

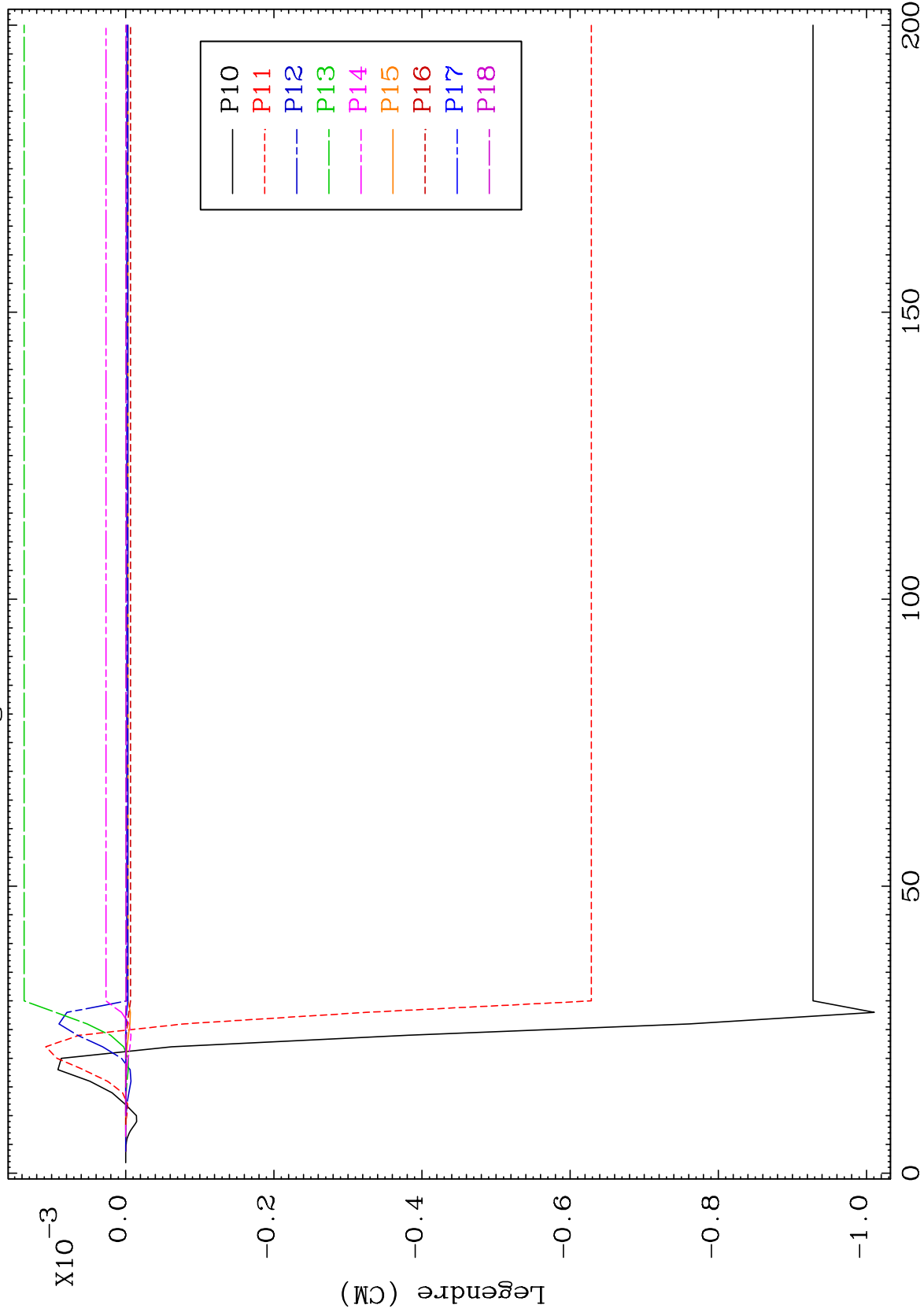
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



73

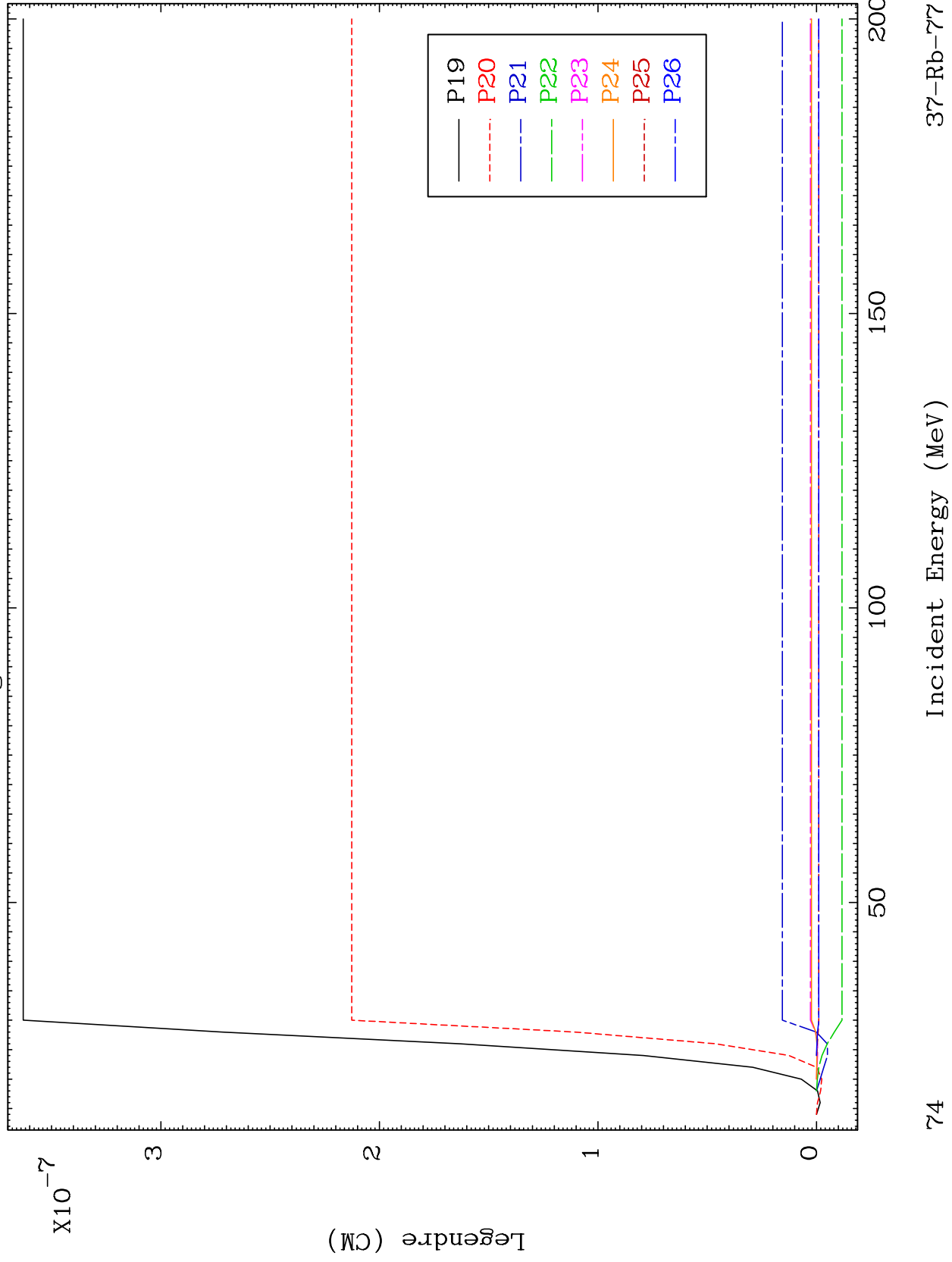
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



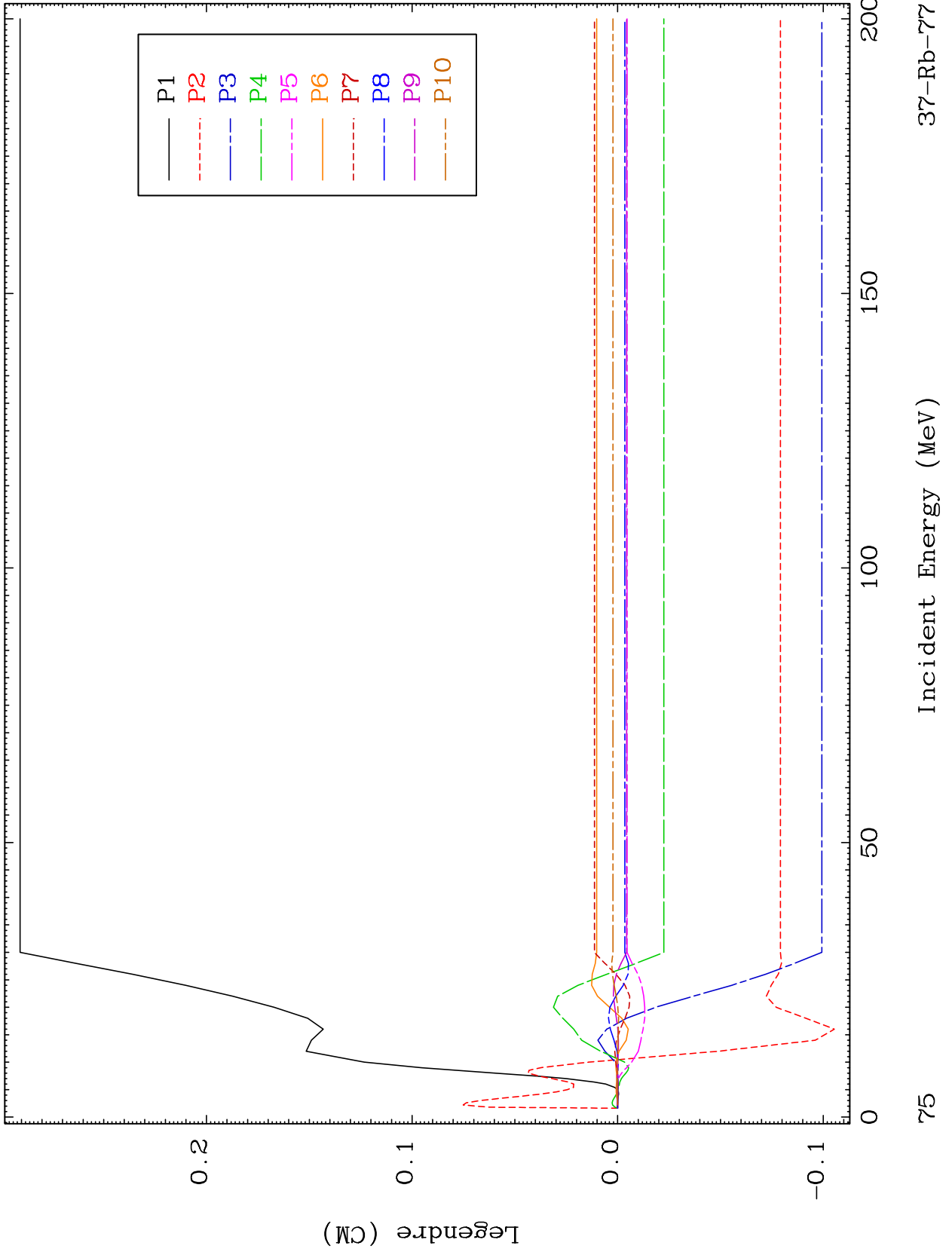
74

37-Rb-77

MAT 3701

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

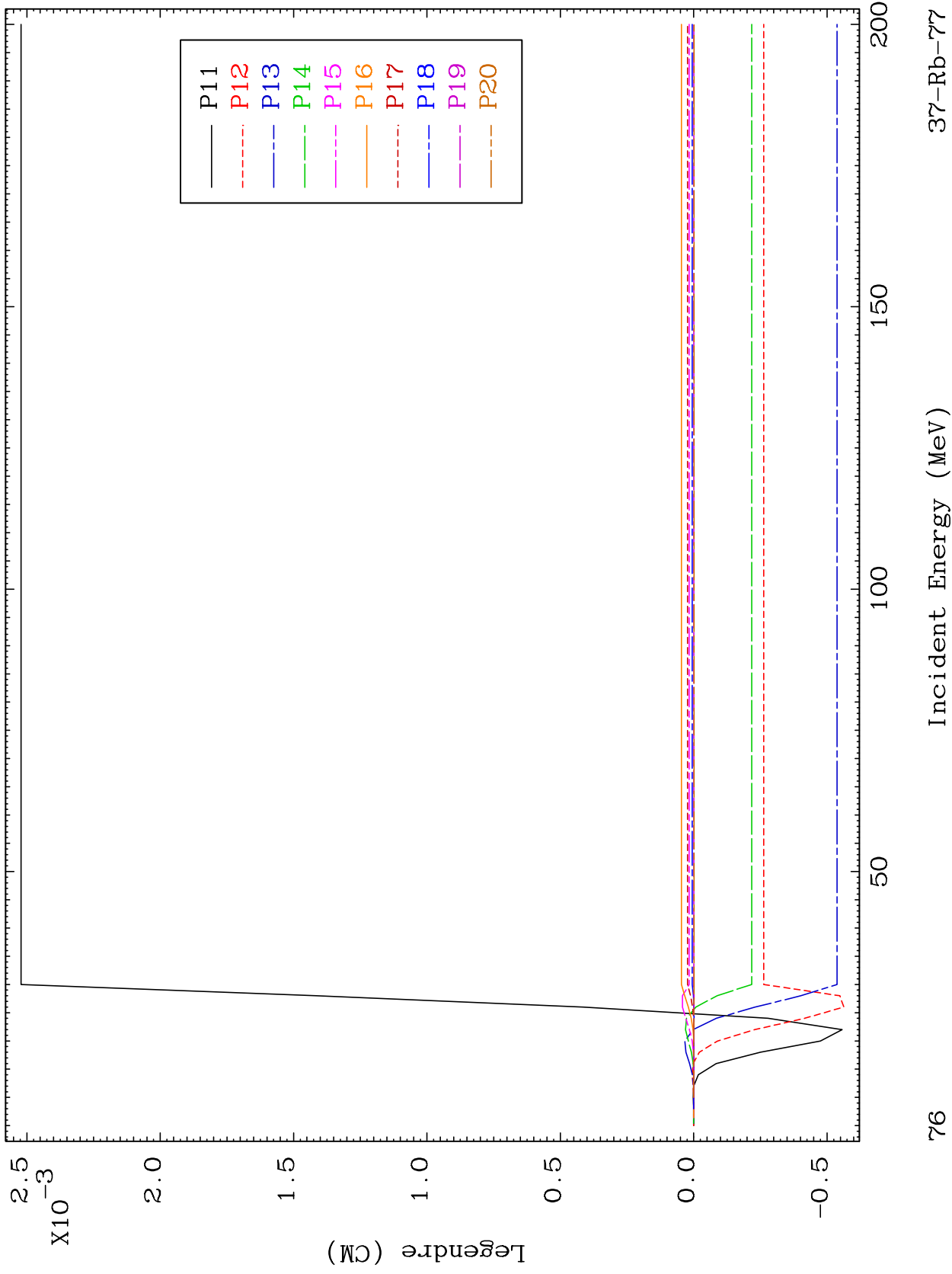
37-Rb-77



MAT 3701

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

37-Rb-77



76

Incident Energy (MeV)

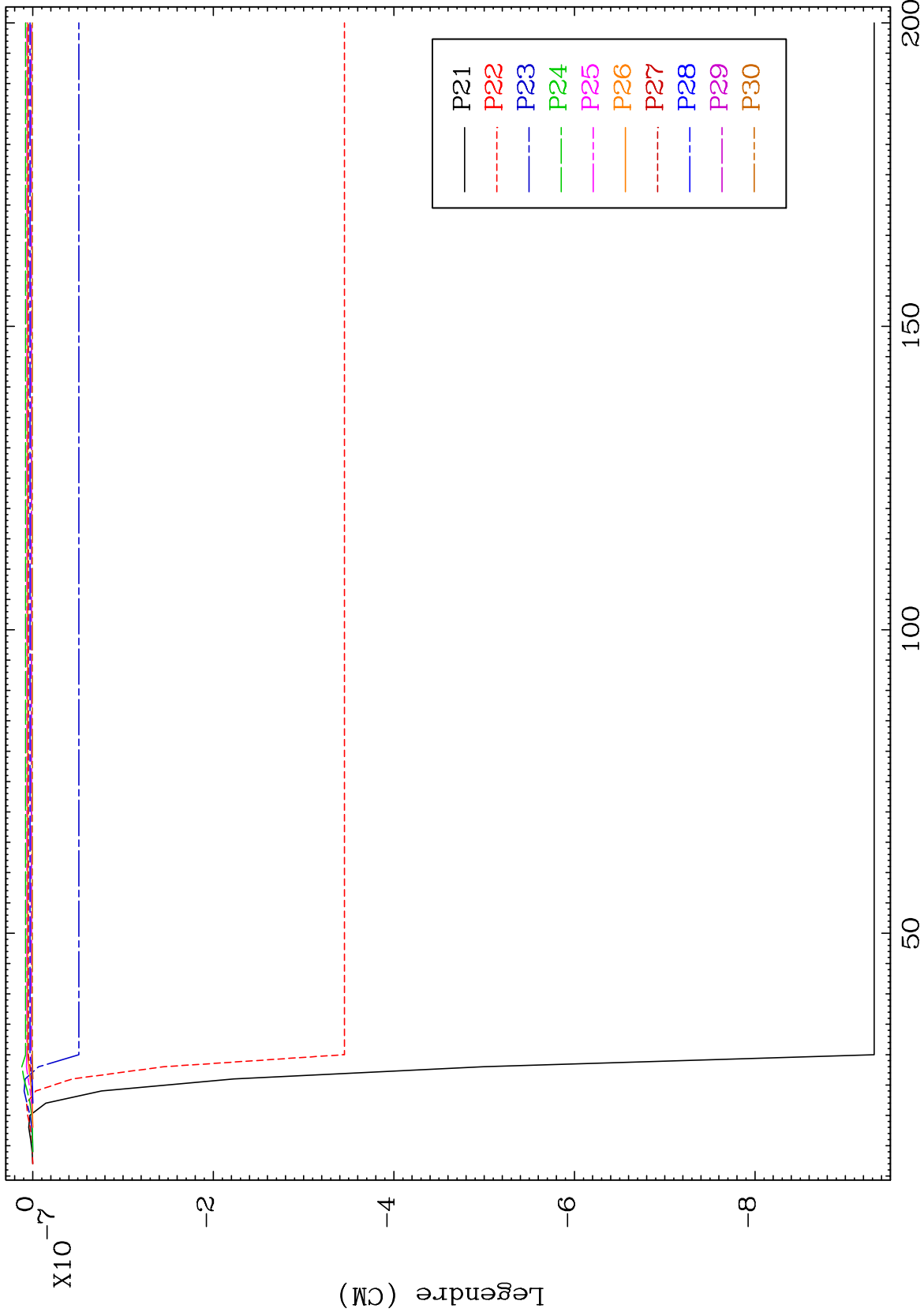
37-Rb-77

MAT 3701

MT= 66 (n,n') Level

37-Rb-77

Legendre Coefficients



77

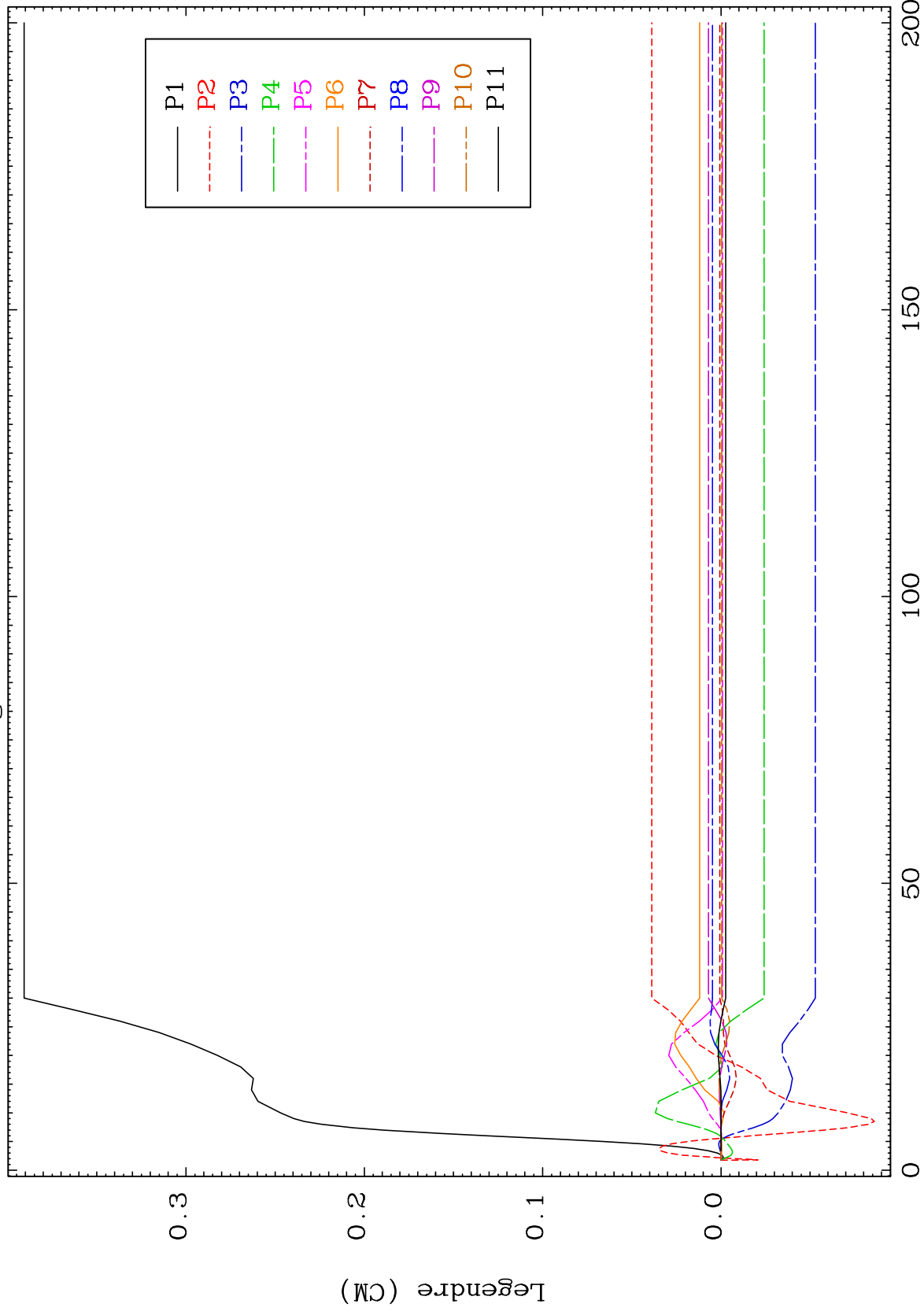
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



78

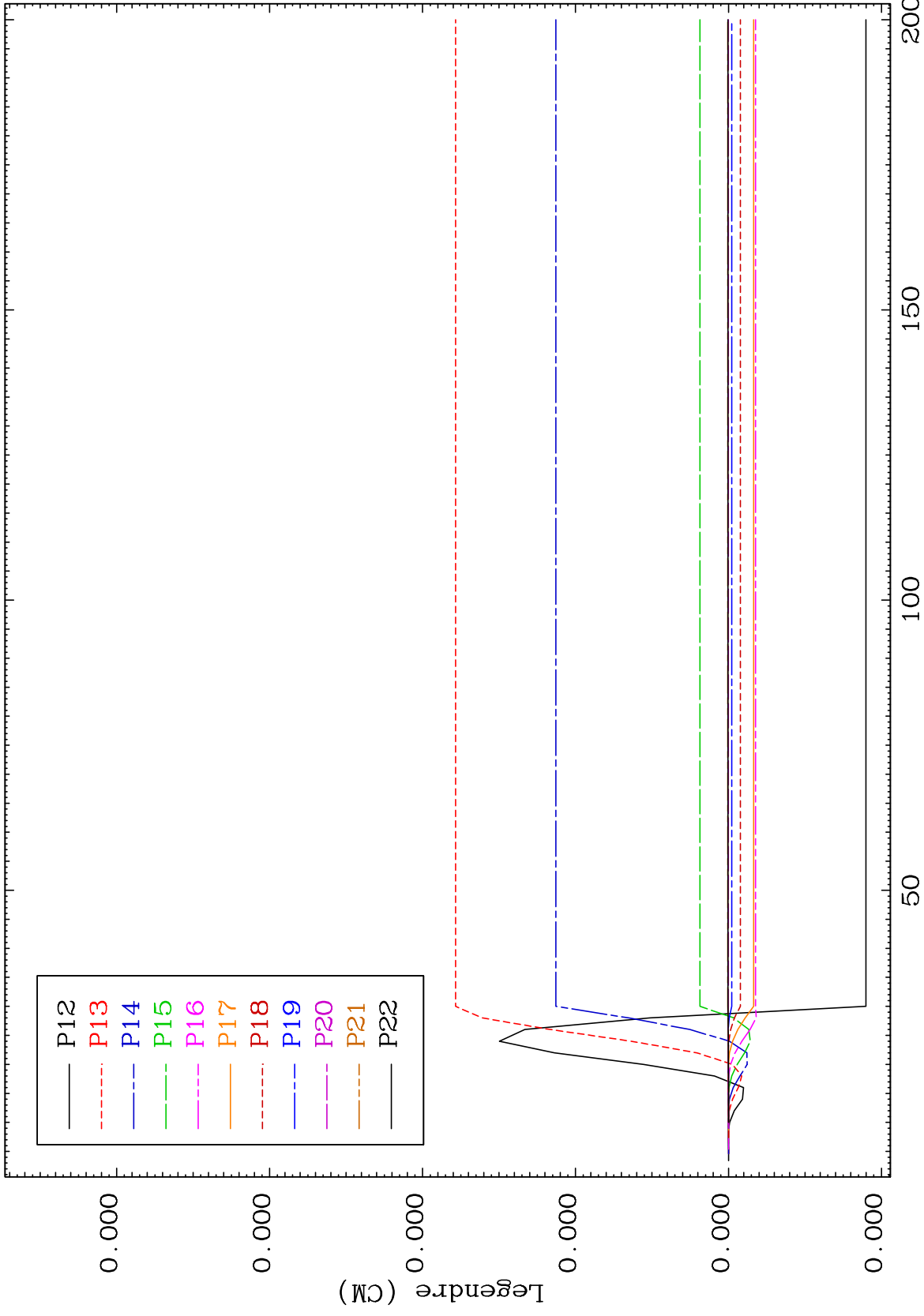
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



79

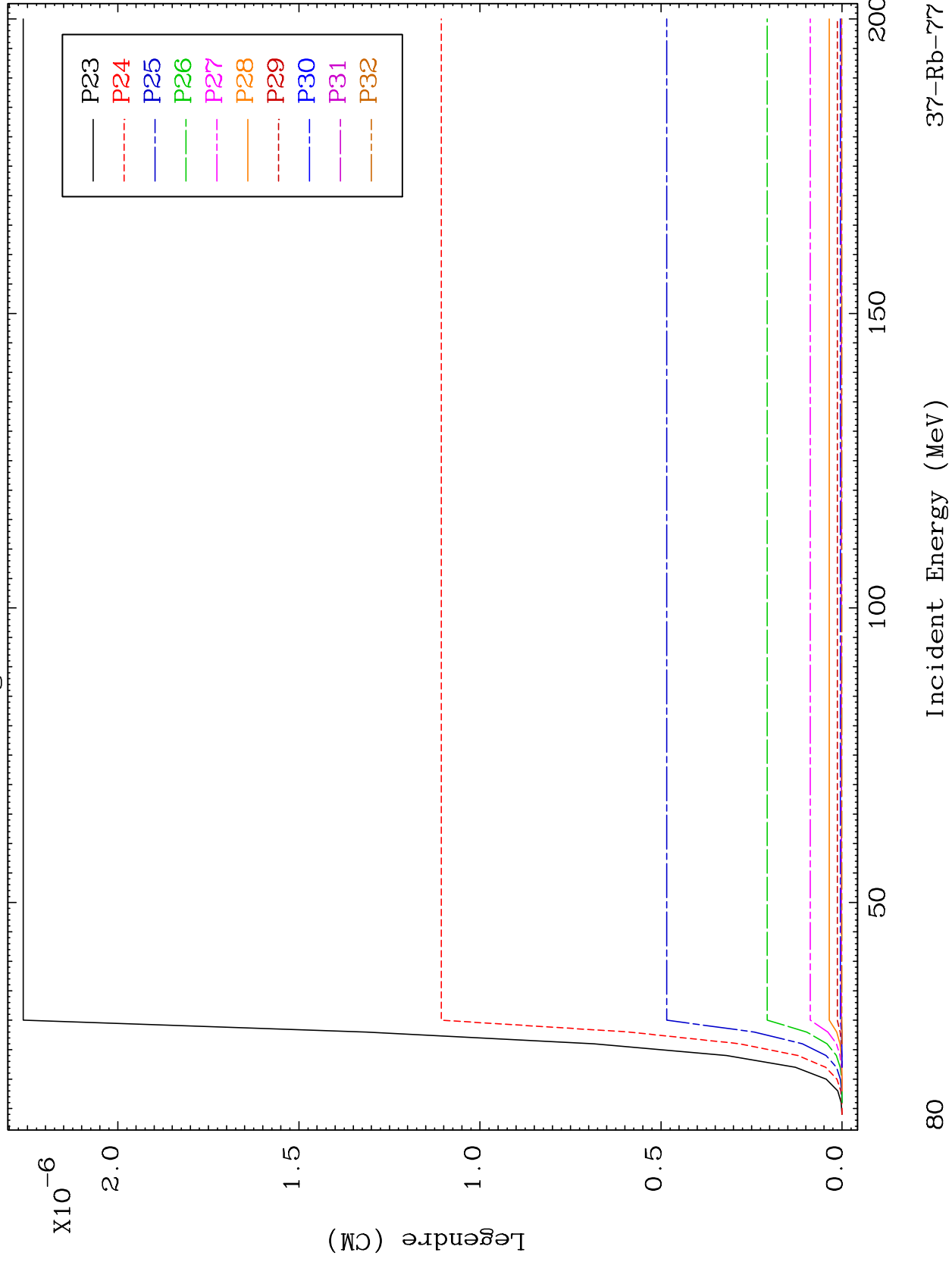
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77



37-Rb-77

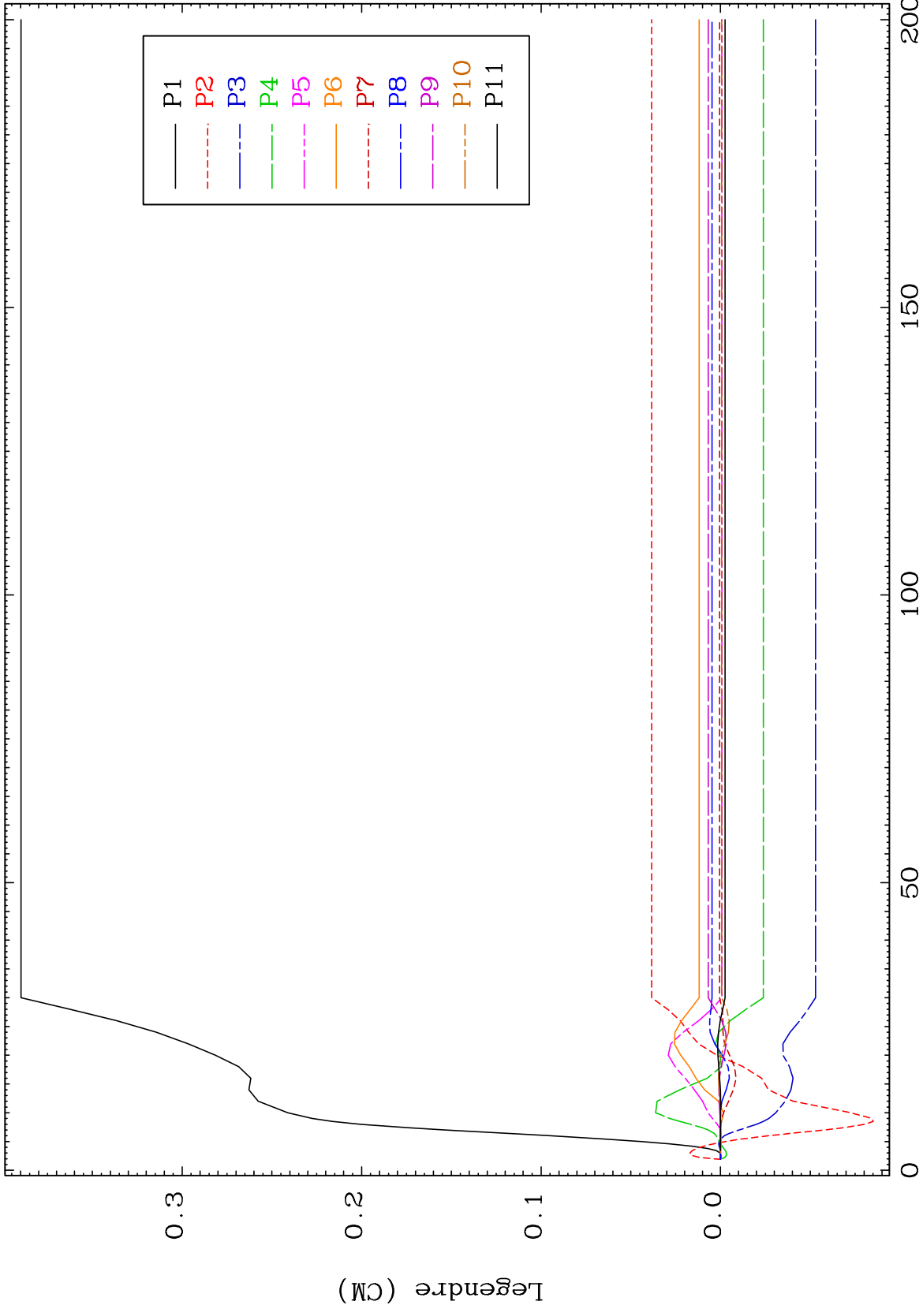
Incident Energy (MeV)

80

MAT 3701

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

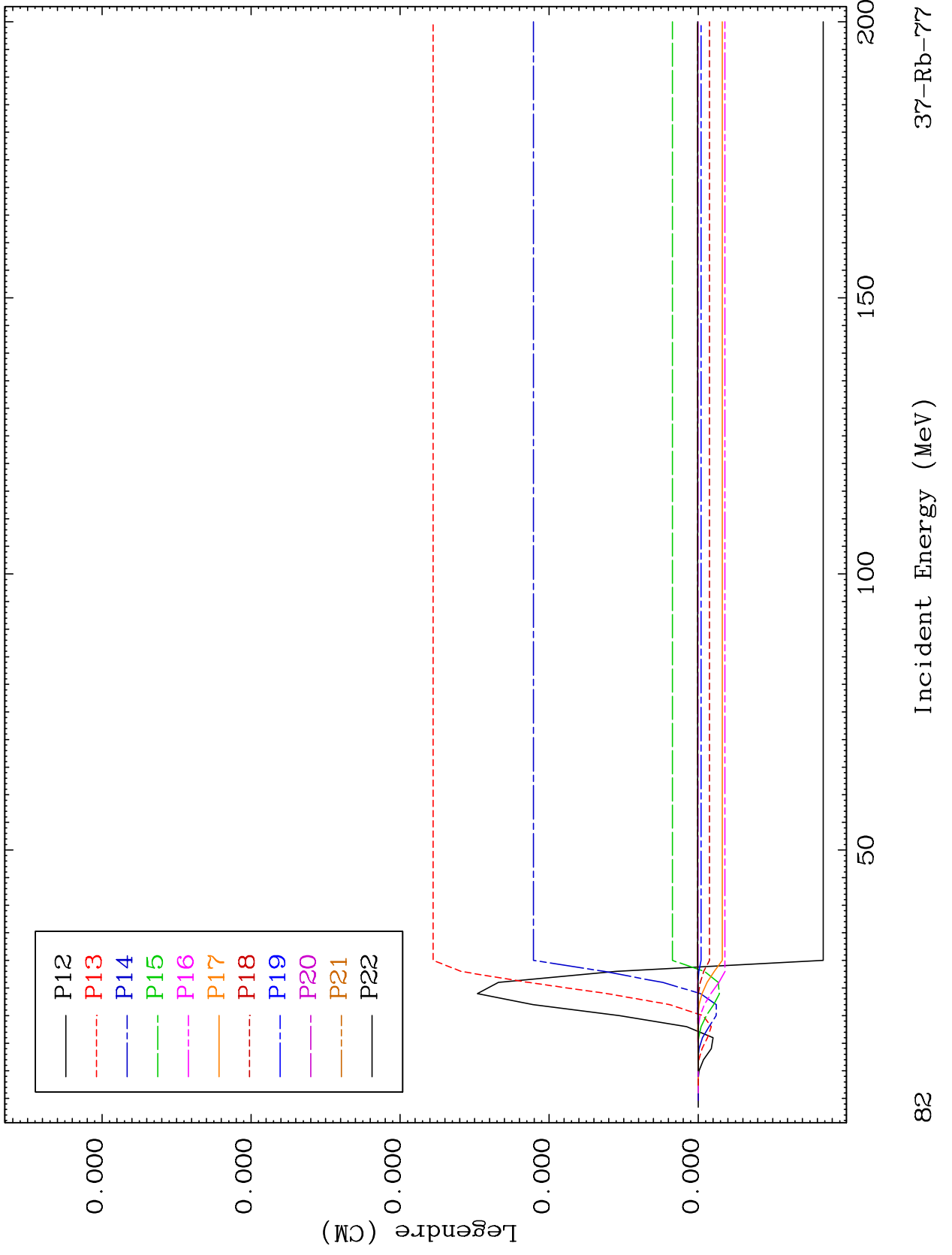
37-Rb-77



81

Incident Energy (MeV)

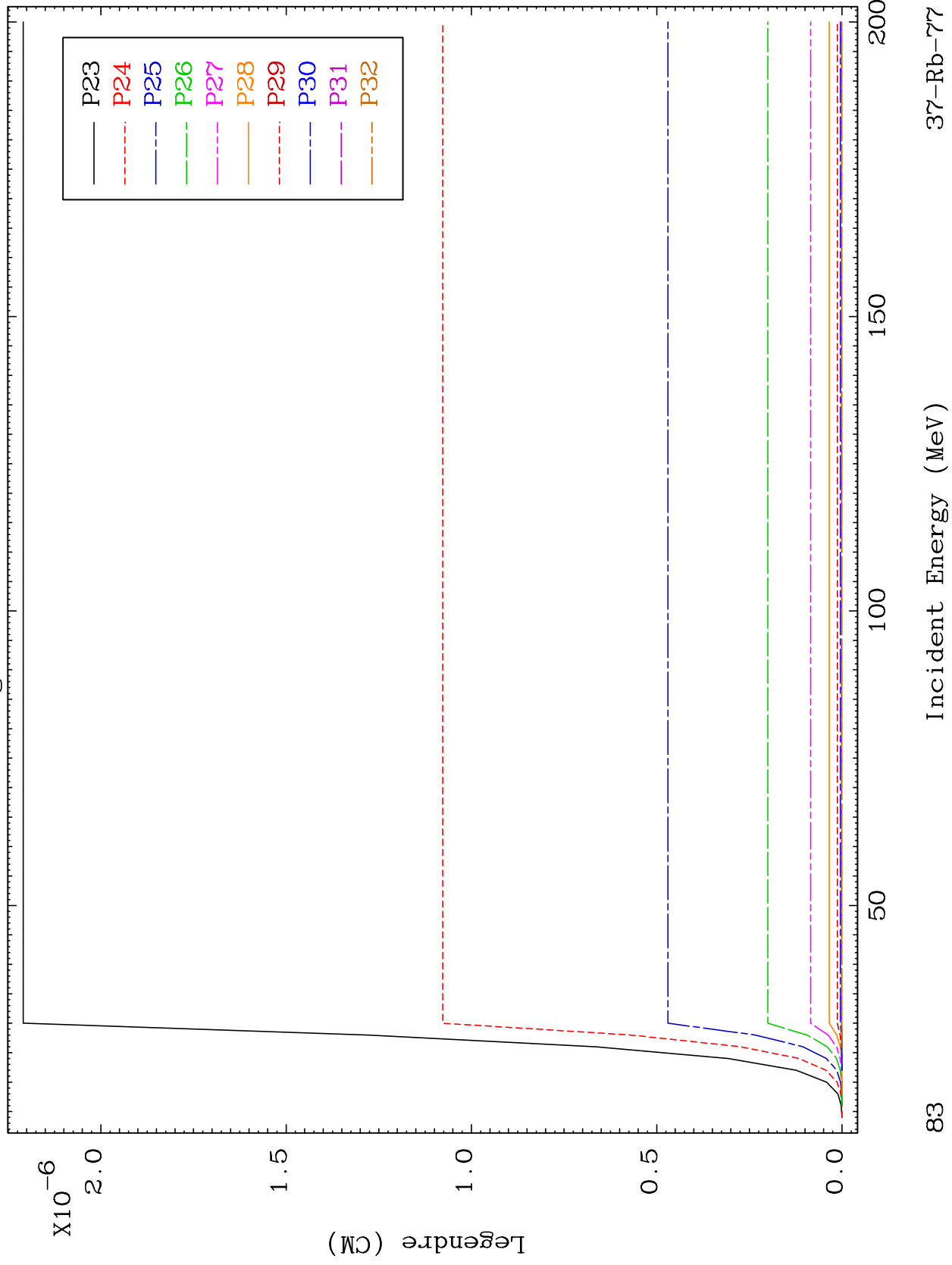
37-Rb-77



MAT 3701

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

37-Rb-77



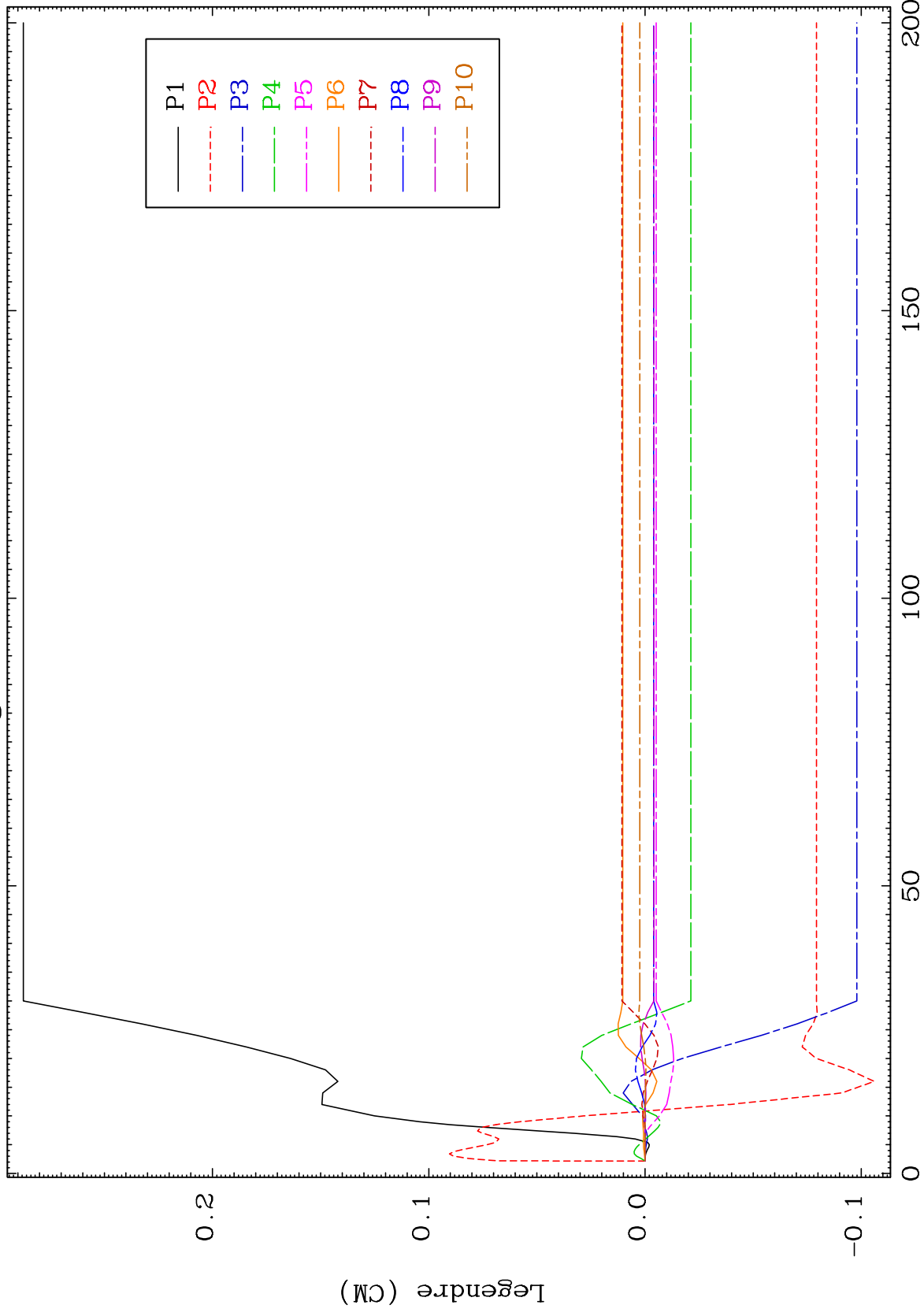
83

37-Rb-77

MAT 3701

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

37-Rb-77



84

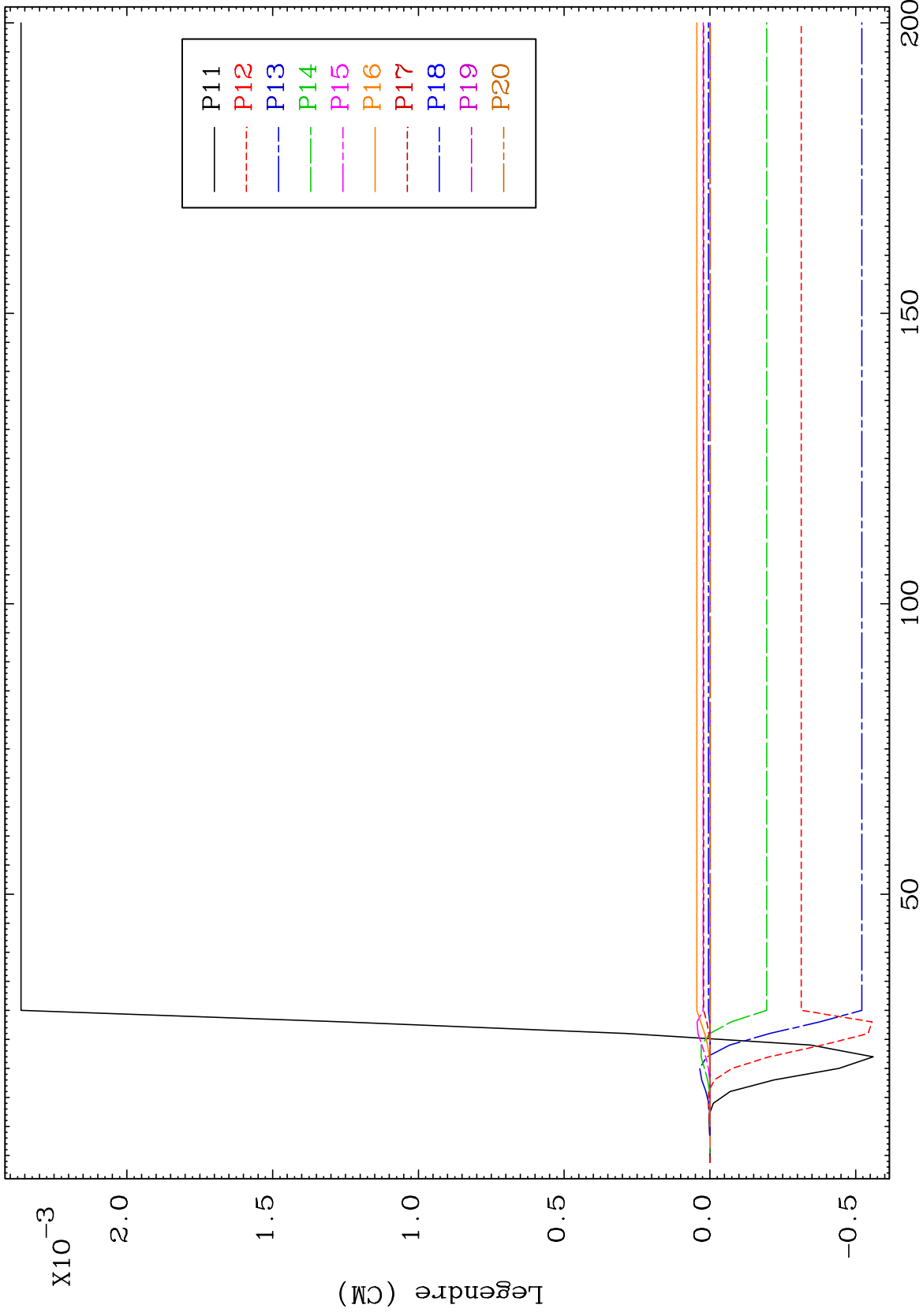
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

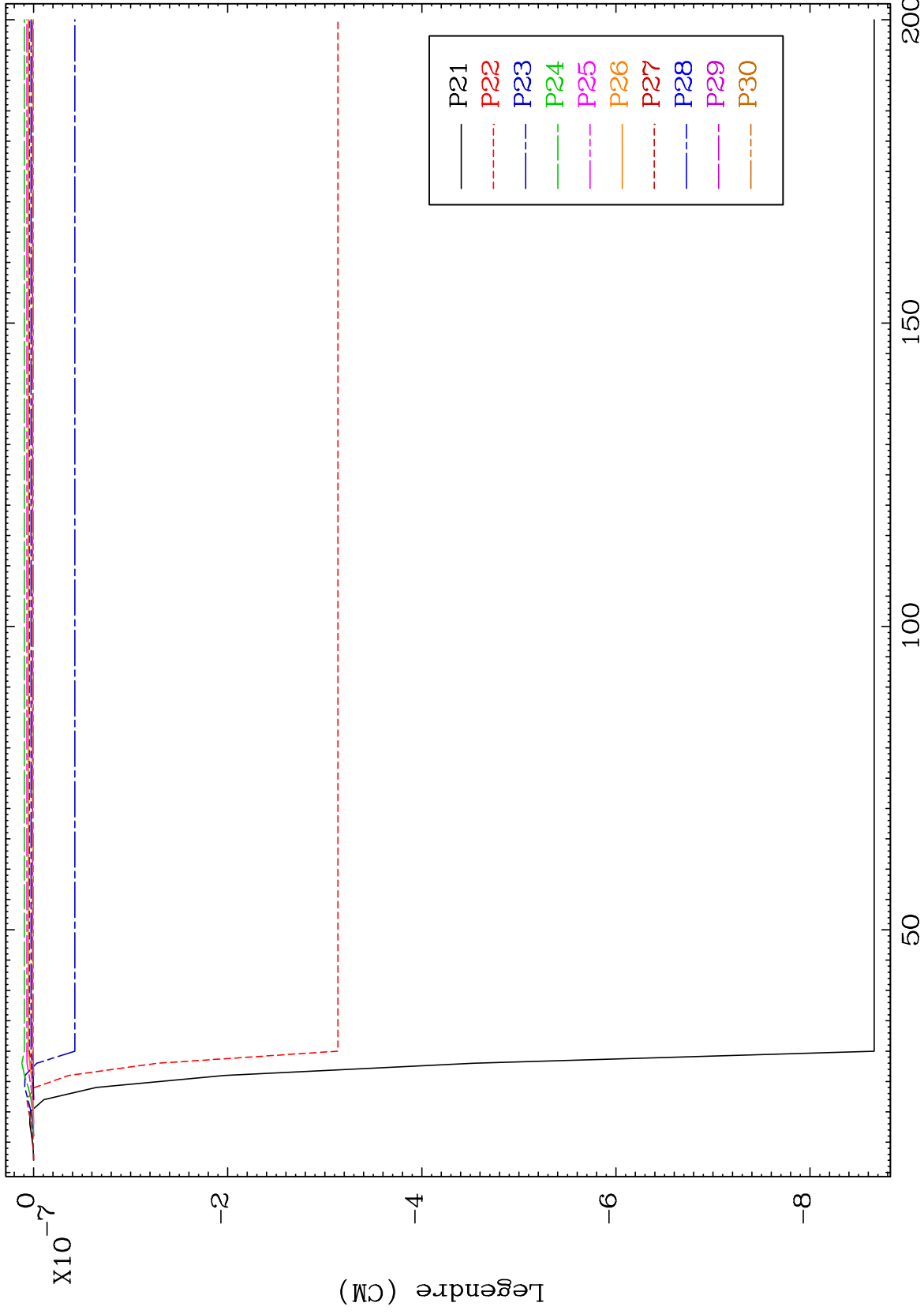
37-Rb-77



85

Incident Energy (MeV)

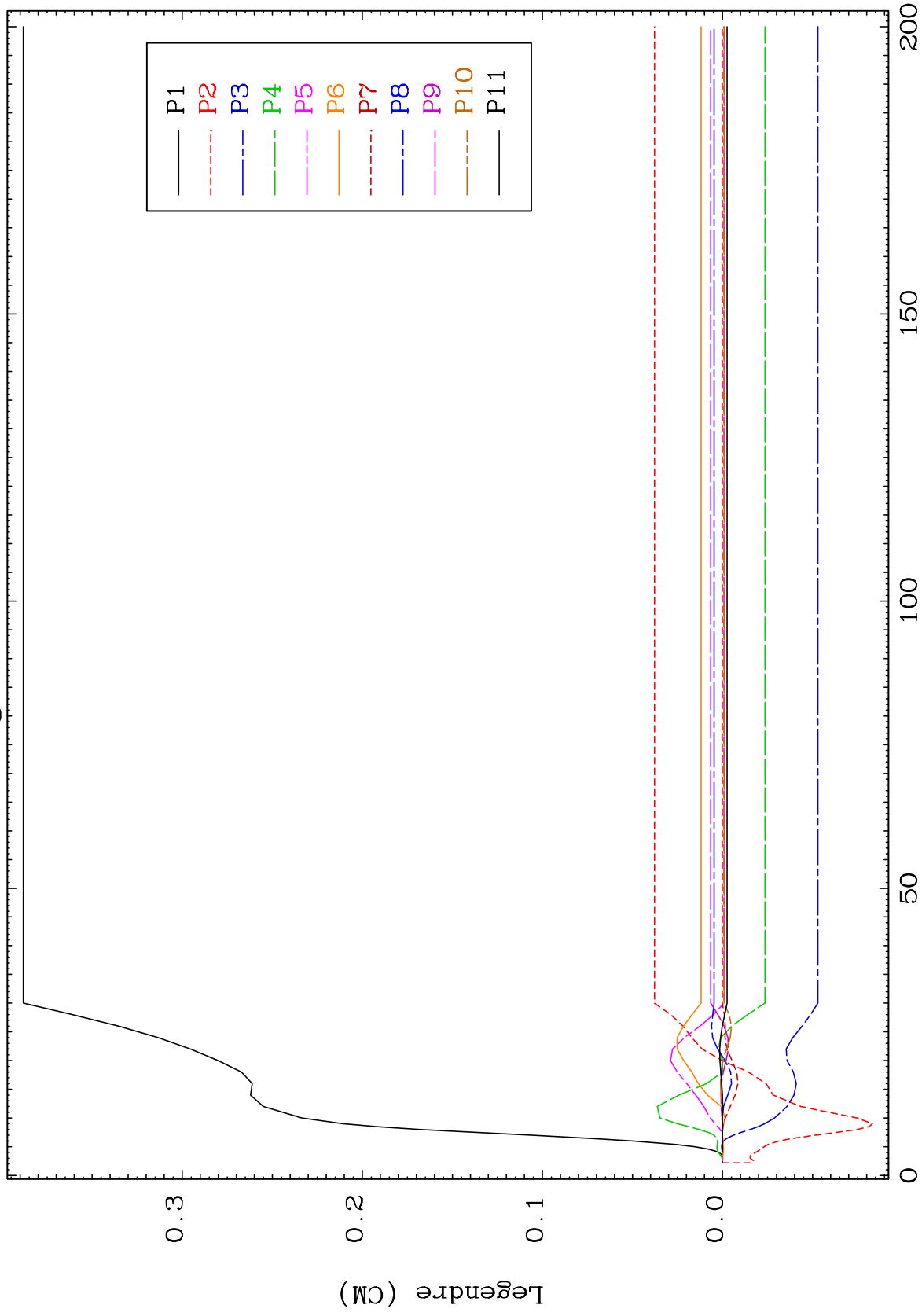
37-Rb-77



MAT 3701

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

37-Rb-77



87

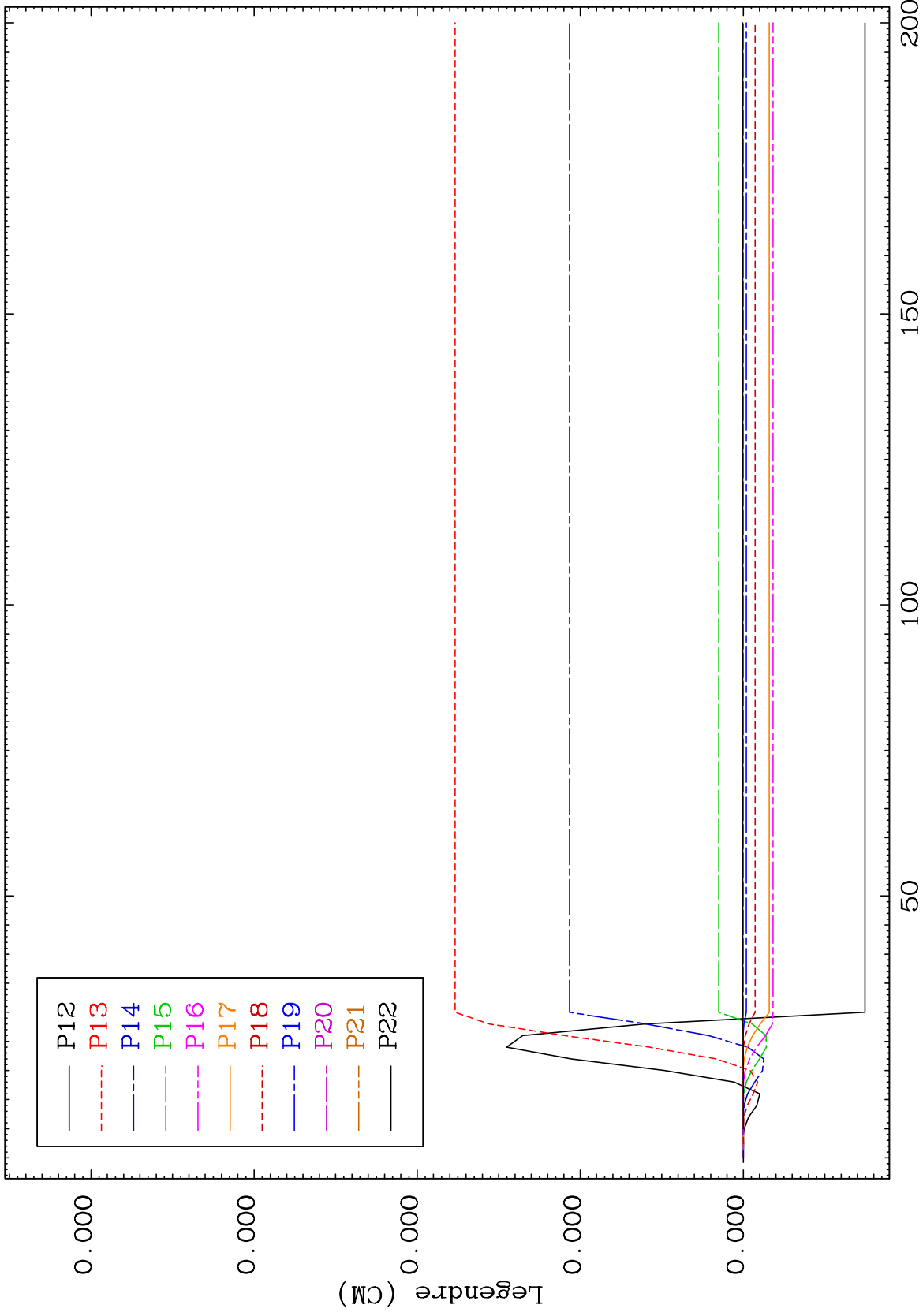
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

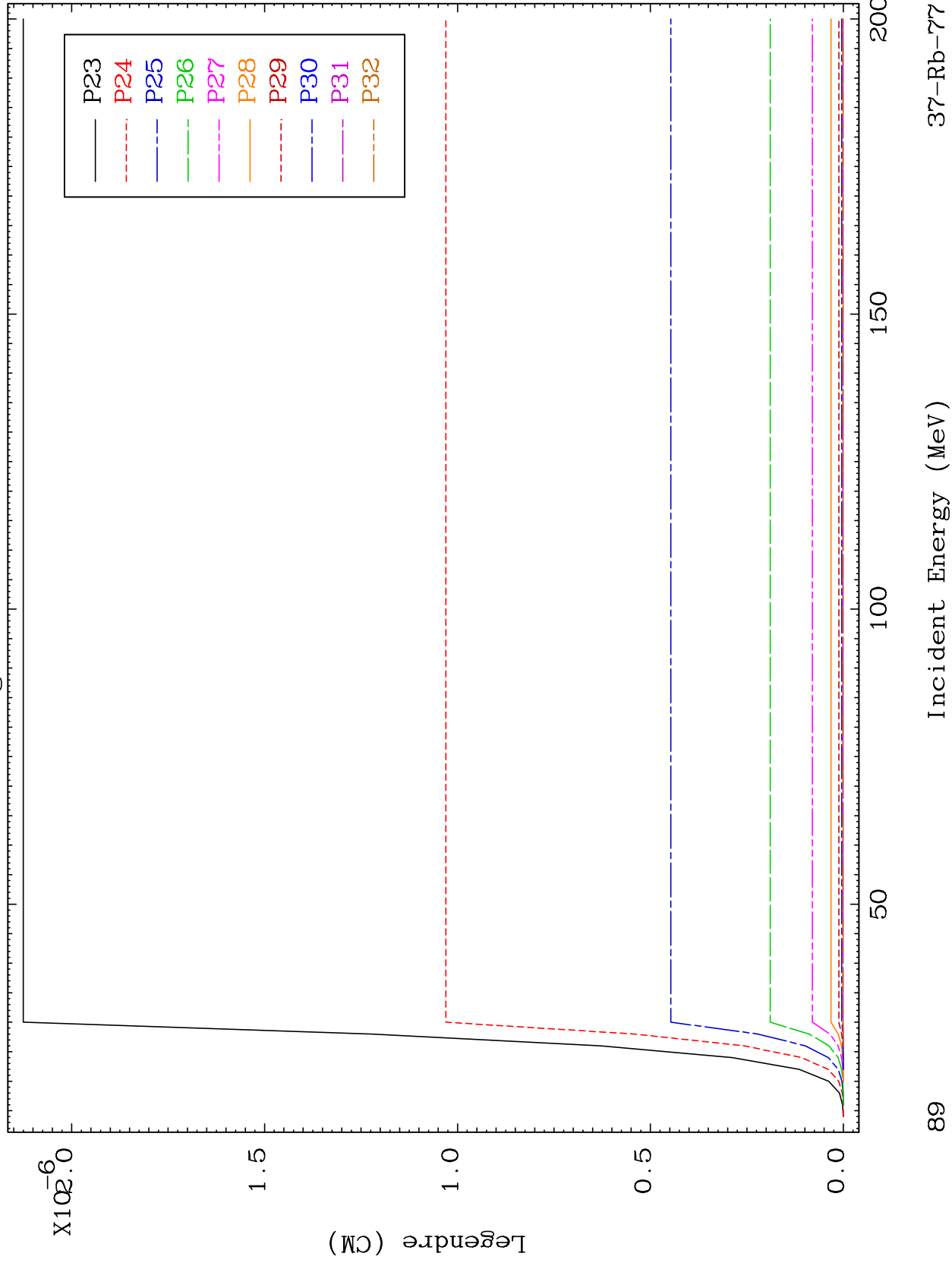
37-Rb-77



MAT 3701

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

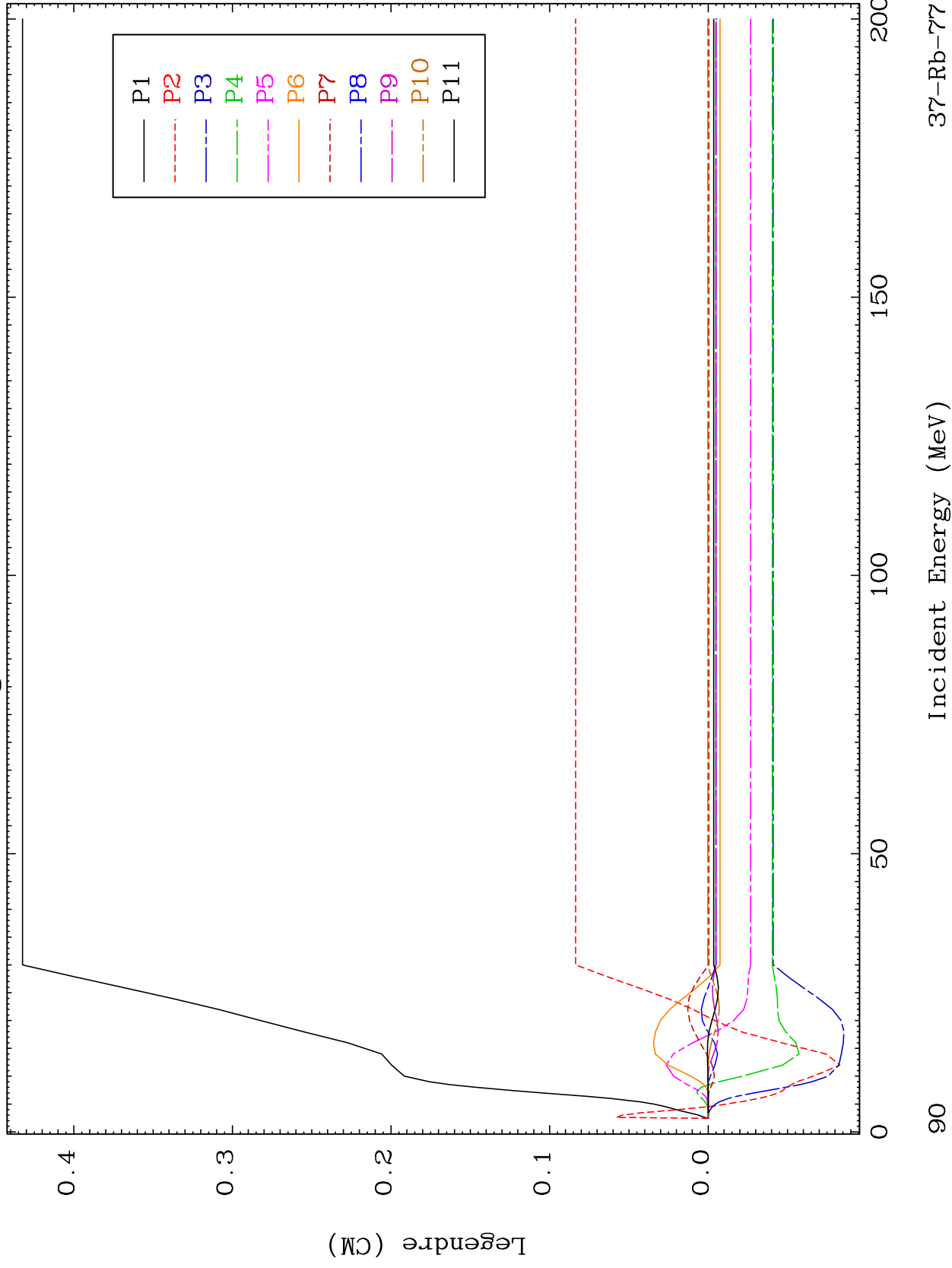
37-Rb-77



MAT 3701

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

37-Rb-77



37-Rb-77

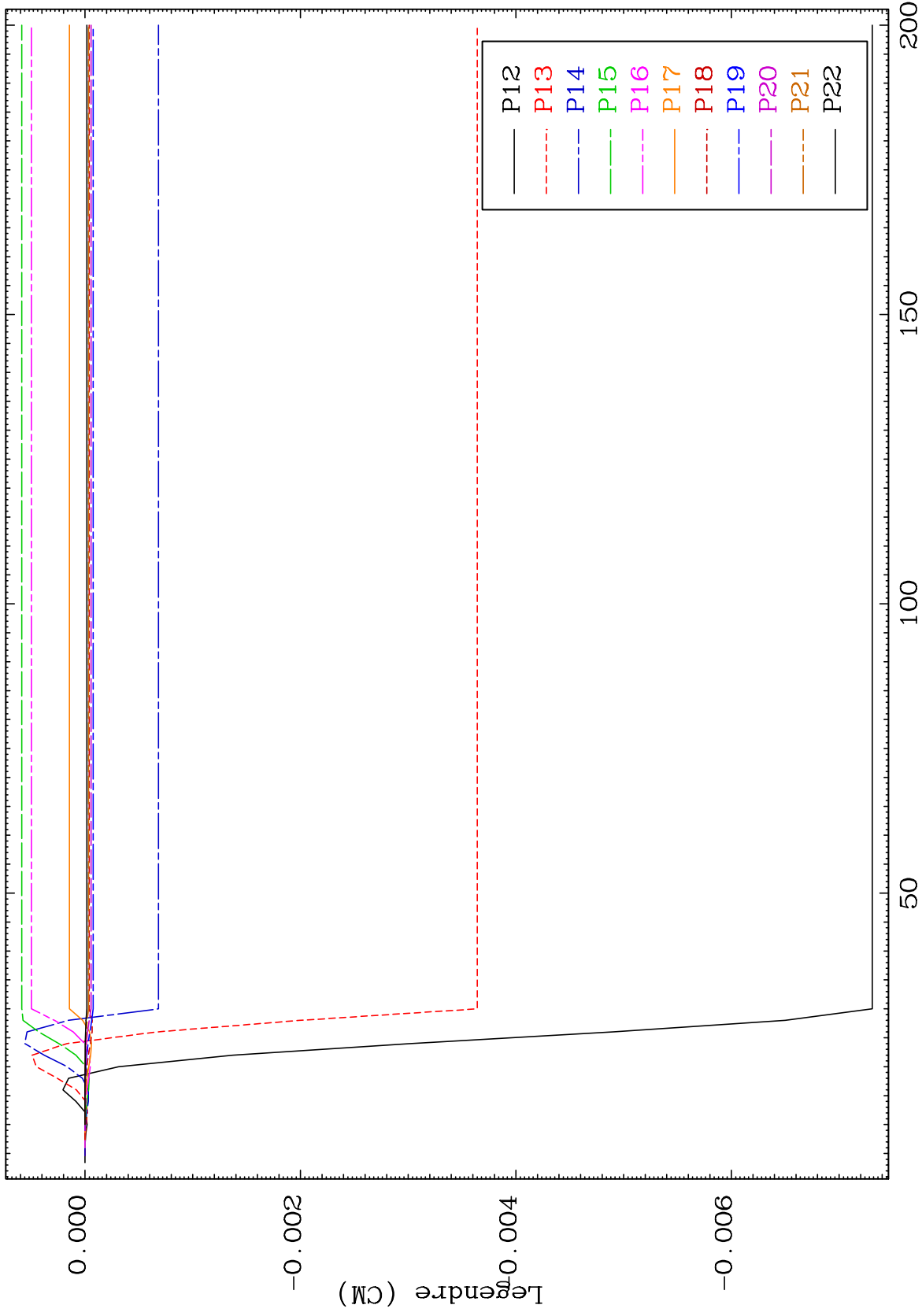
Incident Energy (MeV)

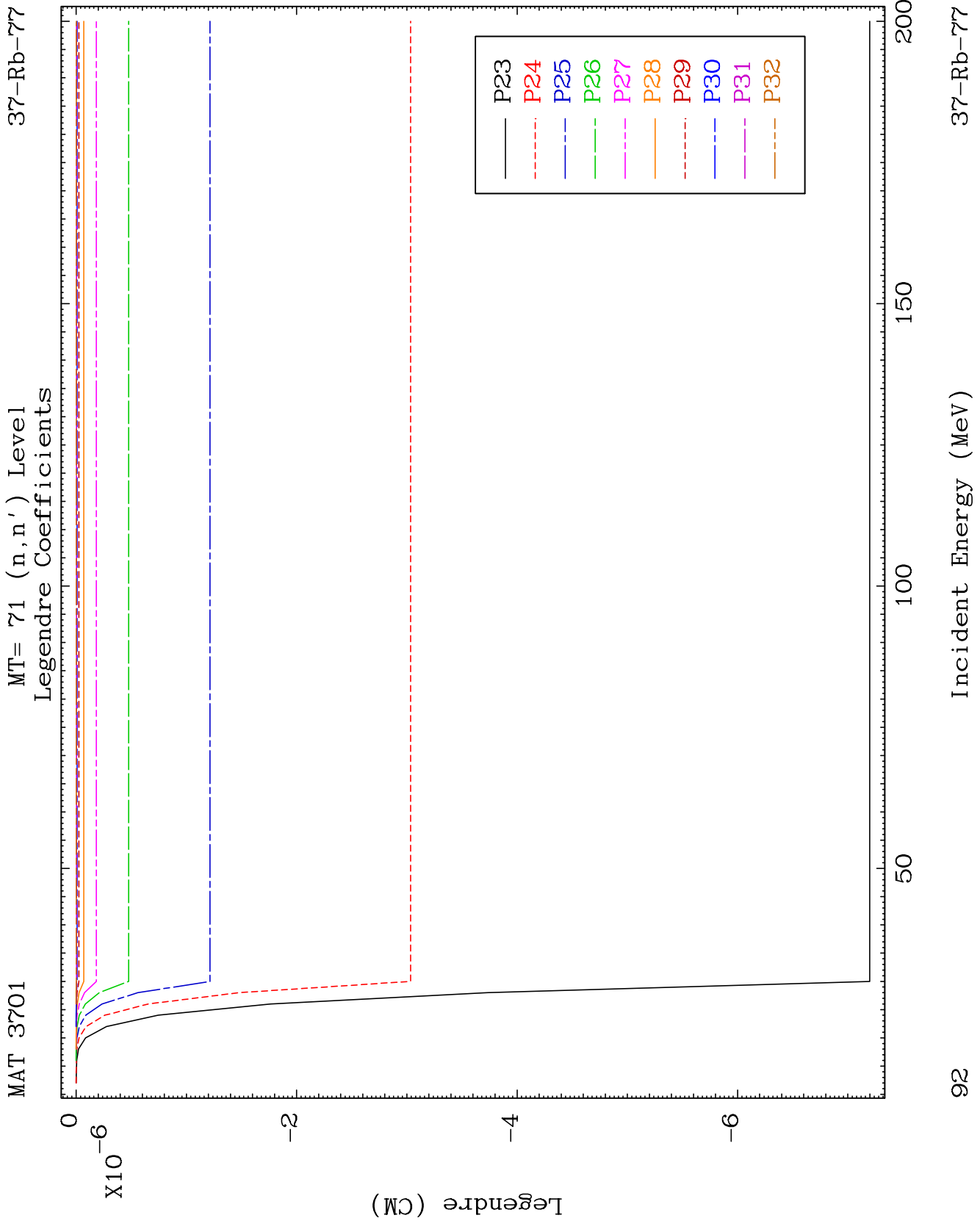
90

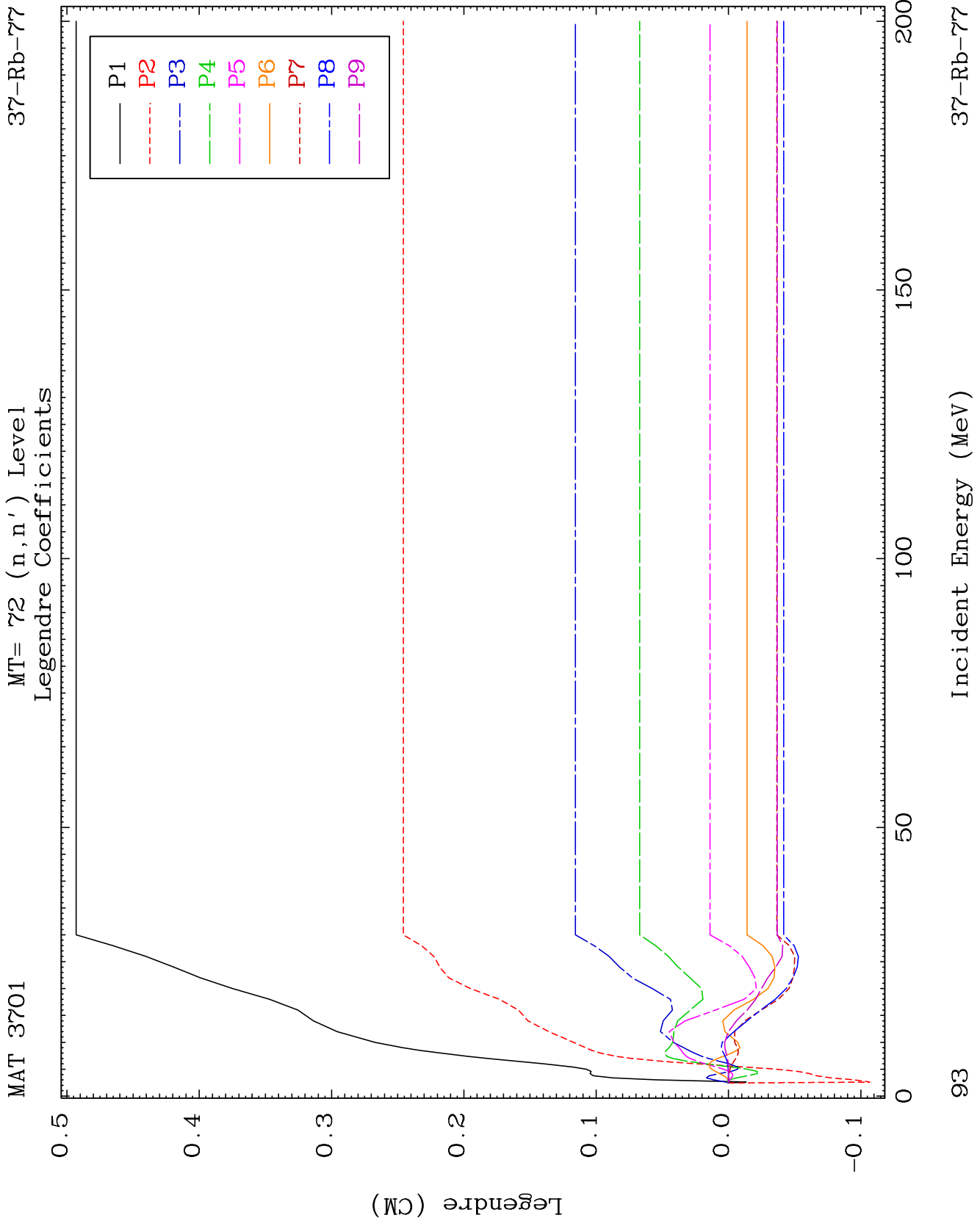
MAT 3701

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

37-Rb-77



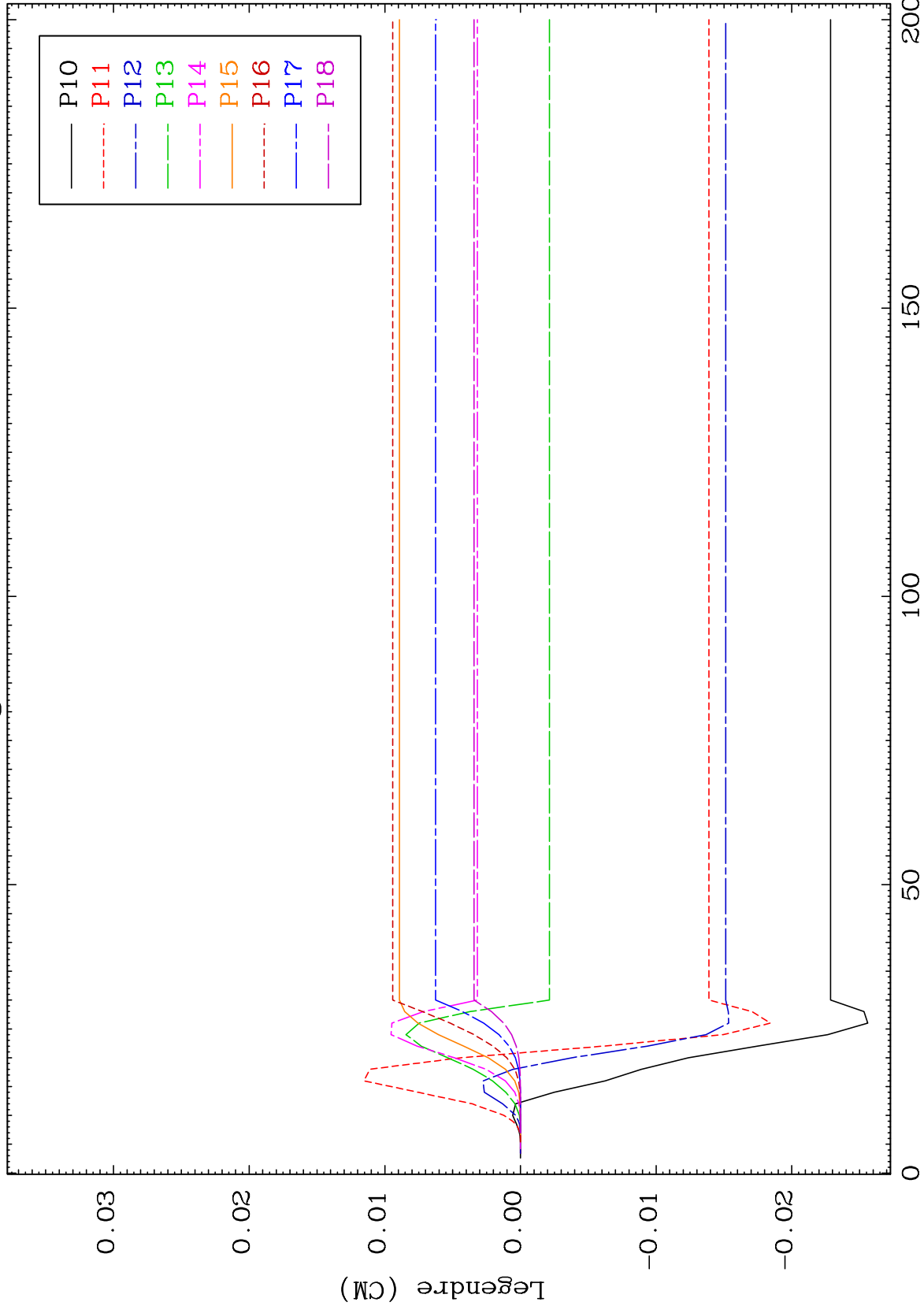




MAT 3701

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

37-Rb-77



94

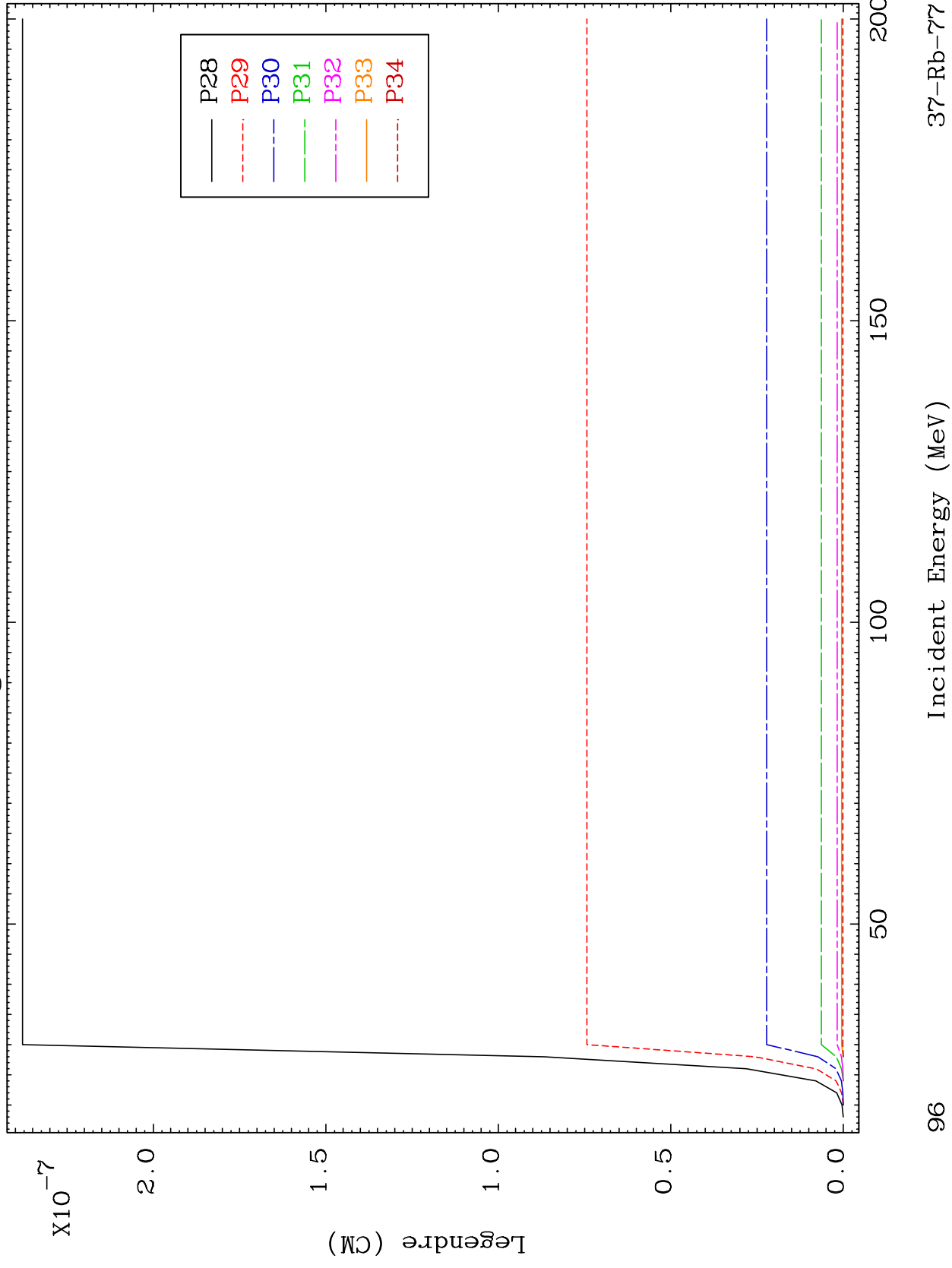
Incident Energy (MeV)

37-Rb-77

MAT 3701

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

37-Rb-77

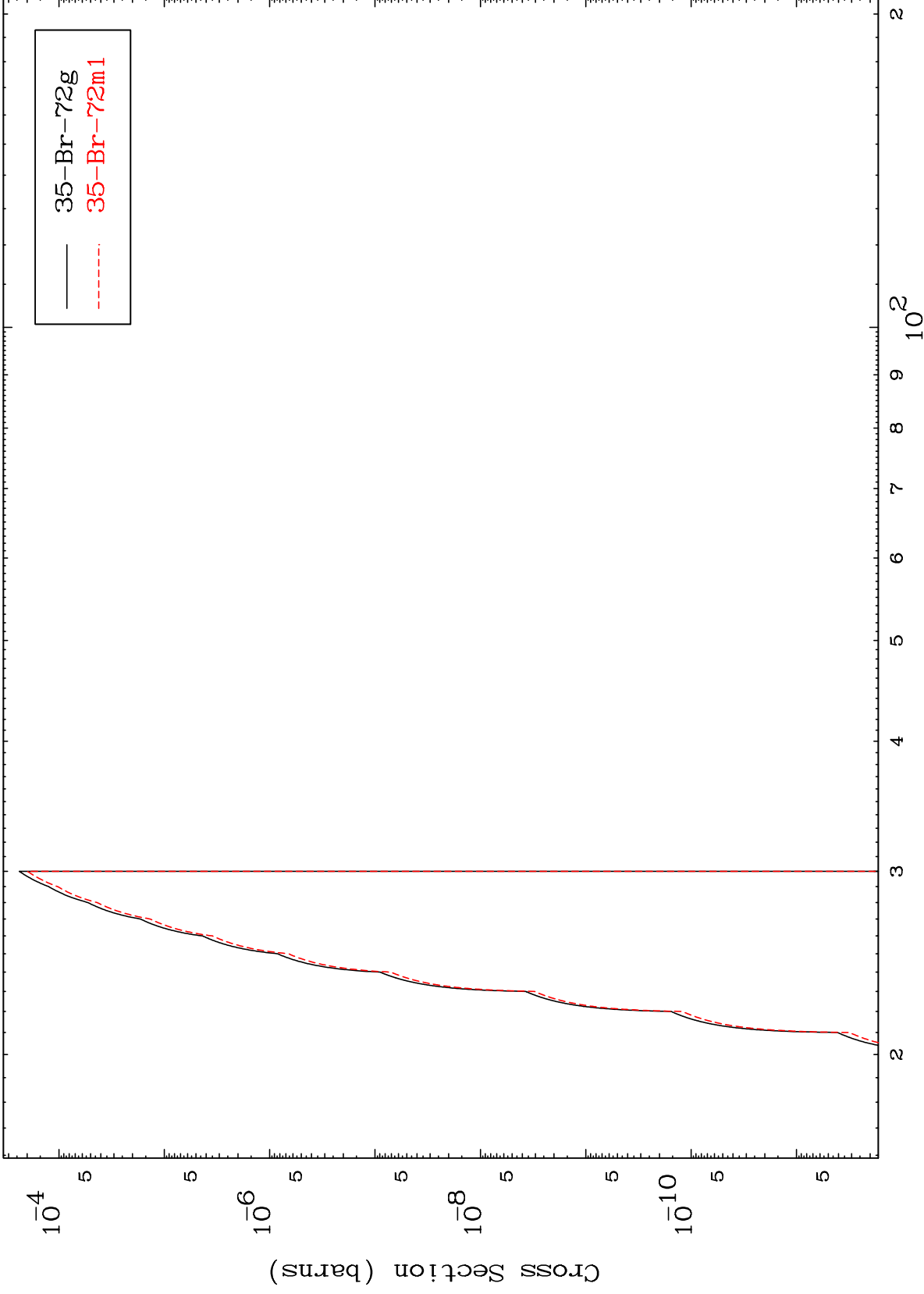


MAT 3701

$(n,2n) \alpha$

37-Rb-77

Radionuclide Production Cross Section



97

Incident Energy (MeV)

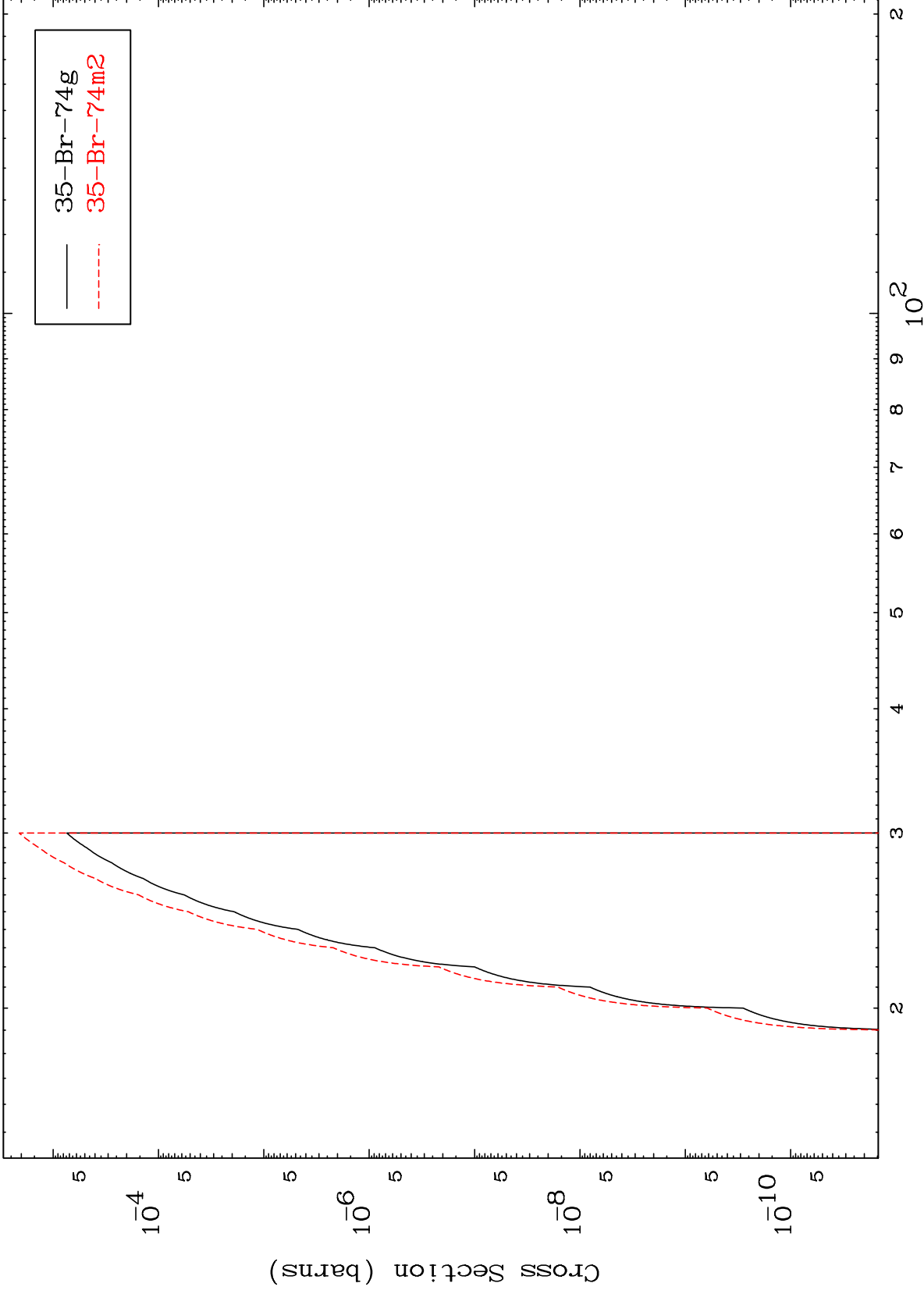
37-Rb-77

MAT 3701

(n,n') He-3

37-Rb-77

Radionuclide Production Cross Section



98

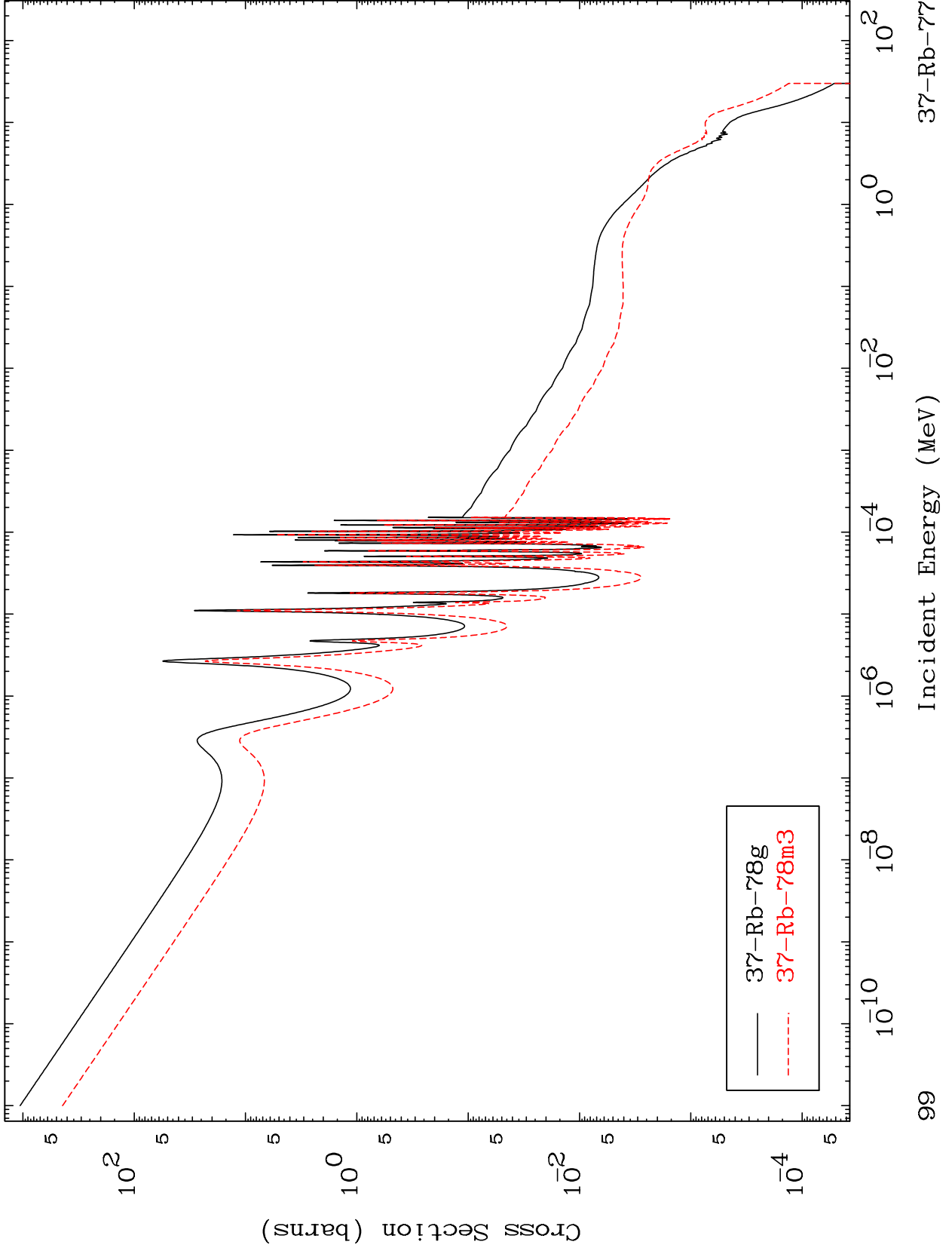
Incident Energy (MeV)

37-Rb-77

MAT 3701

37-Rb-77

Radionuclide Production Cross Section
(n, γ)

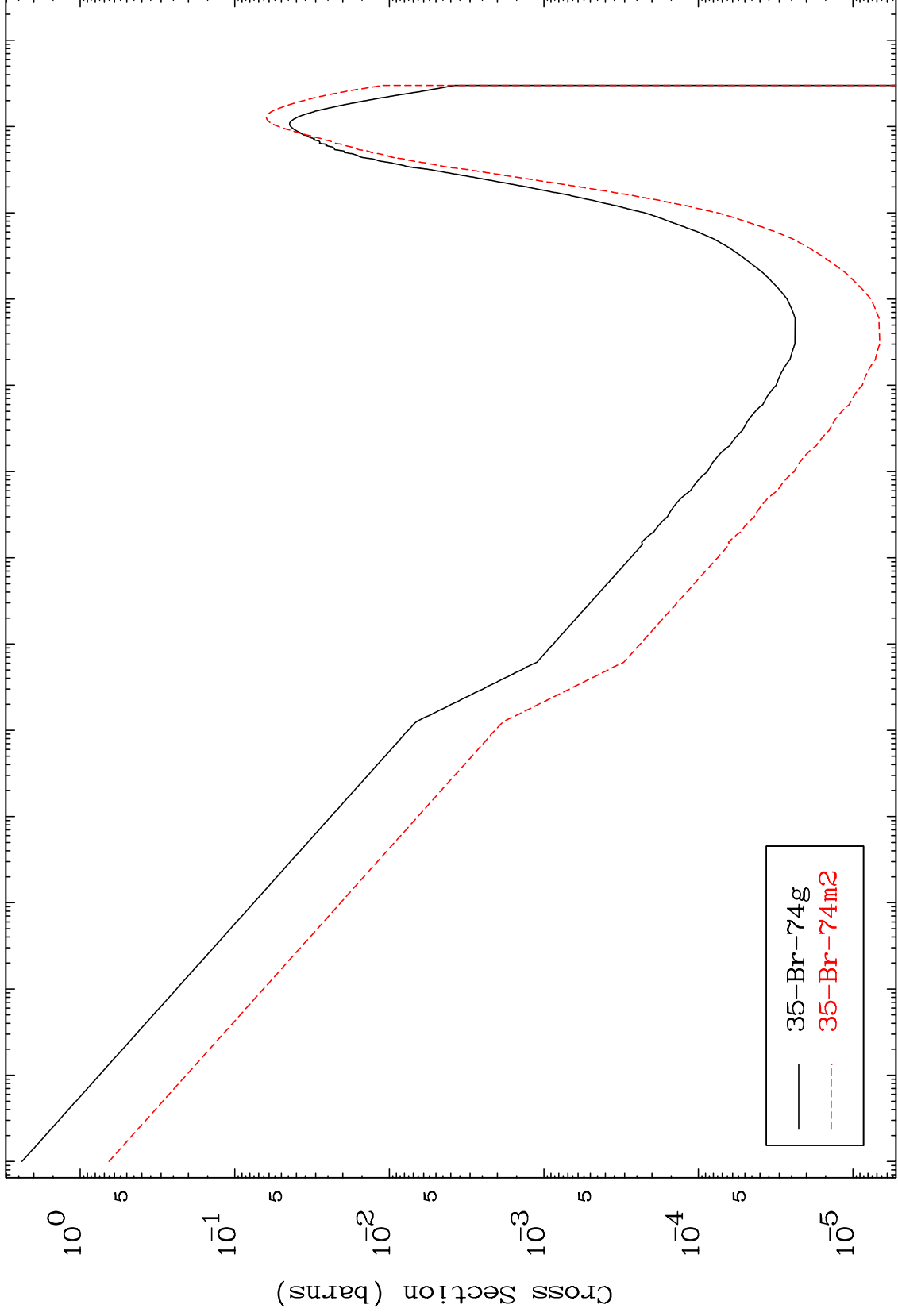


MAT 3701

$^{37}\text{Rb-}77$

Radionuclide Production Cross Section

(n, α)



— $^{35}\text{Br-}74\text{g}$
- - - $^{35}\text{Br-}74\text{m2}$

$^{37}\text{Rb-}77$

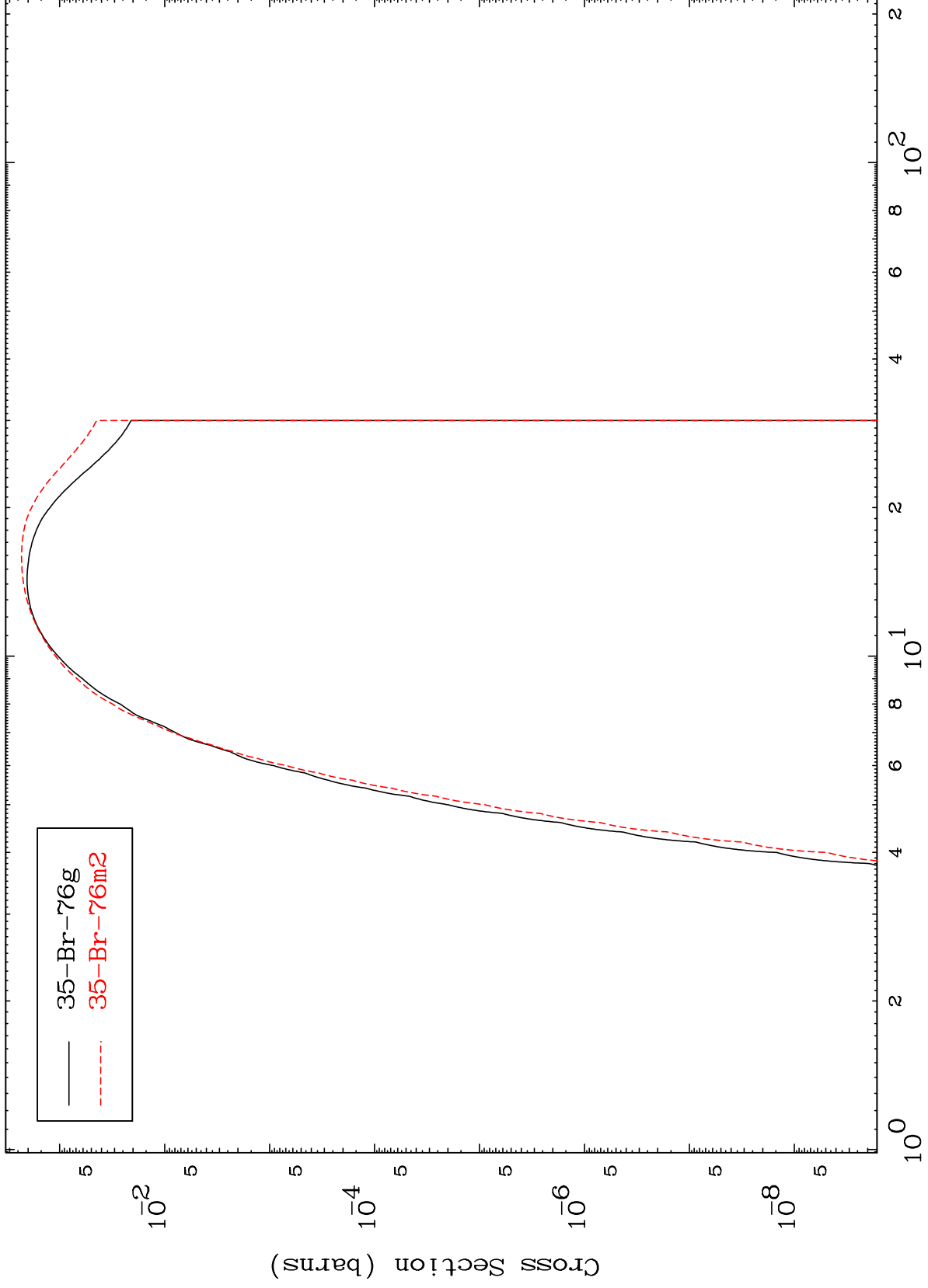
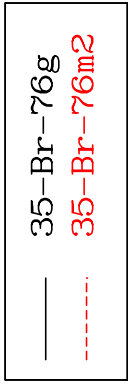
Incident Energy (MeV)

100

MAT 3701

37-Rb-77

Radionuclide Production Cross Section
(n,2p)



101

Incident Energy (MeV)

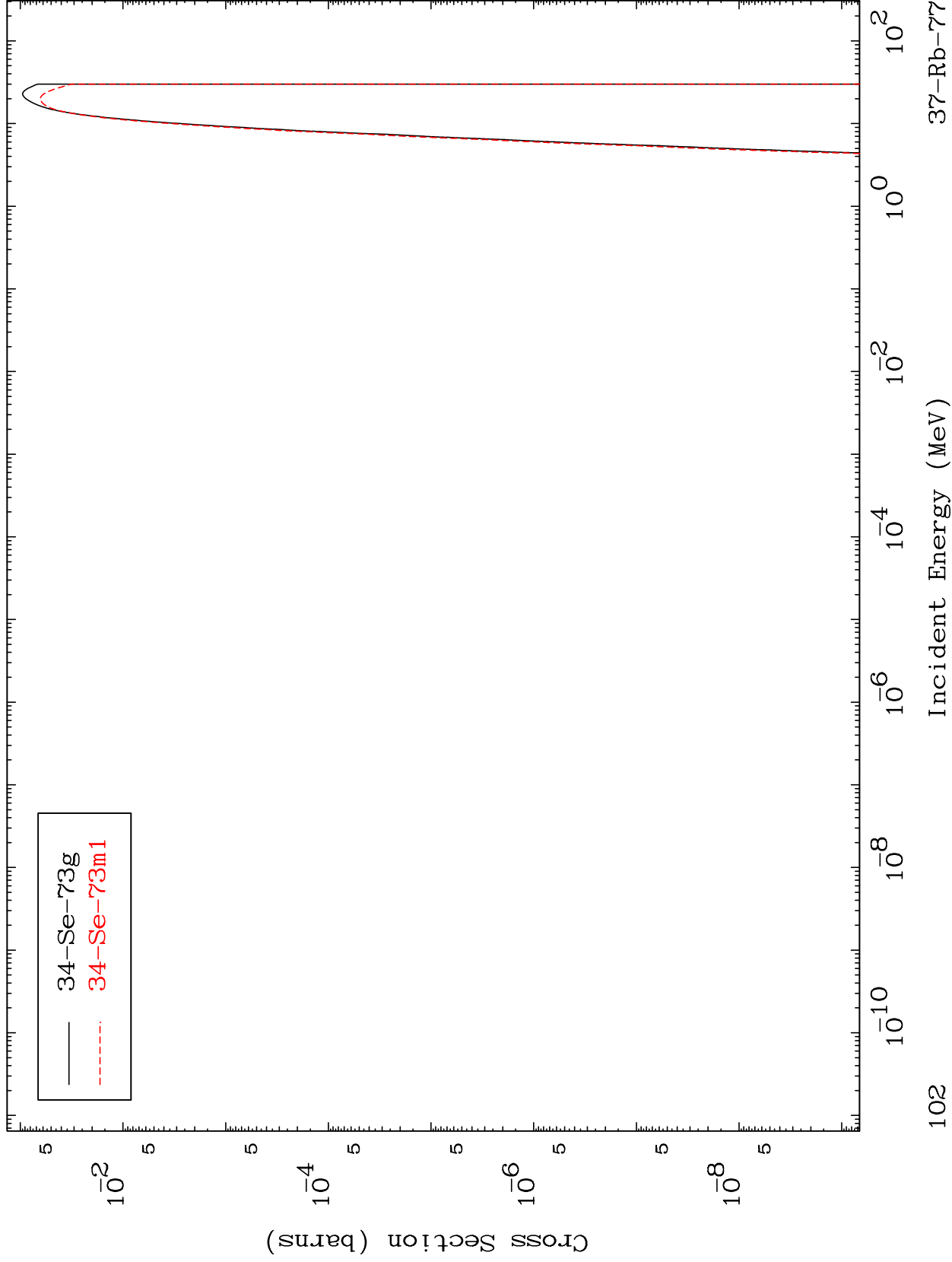
37-Rb-77

MAT 3701

$(n,p) \alpha$

$^{37}\text{Rb-}77$

Radionuclide Production Cross Section



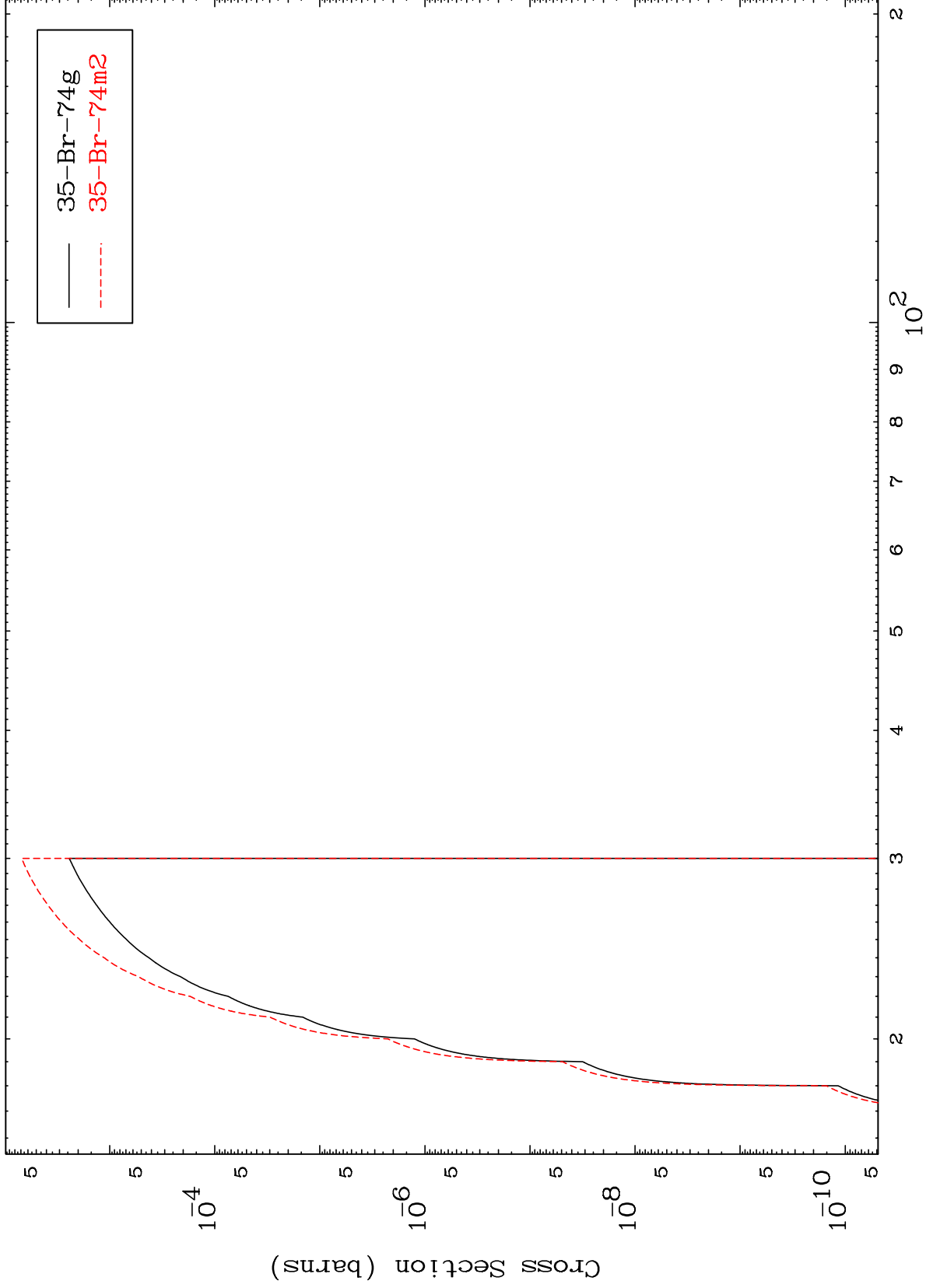
— $^{34}\text{Se-}73g$
- - - $^{34}\text{Se-}73m1$

MAT 3701

(n,p) t

37-Rb-77

Radionuclide Production Cross Section



103

Incident Energy (MeV)

37-Rb-77