

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

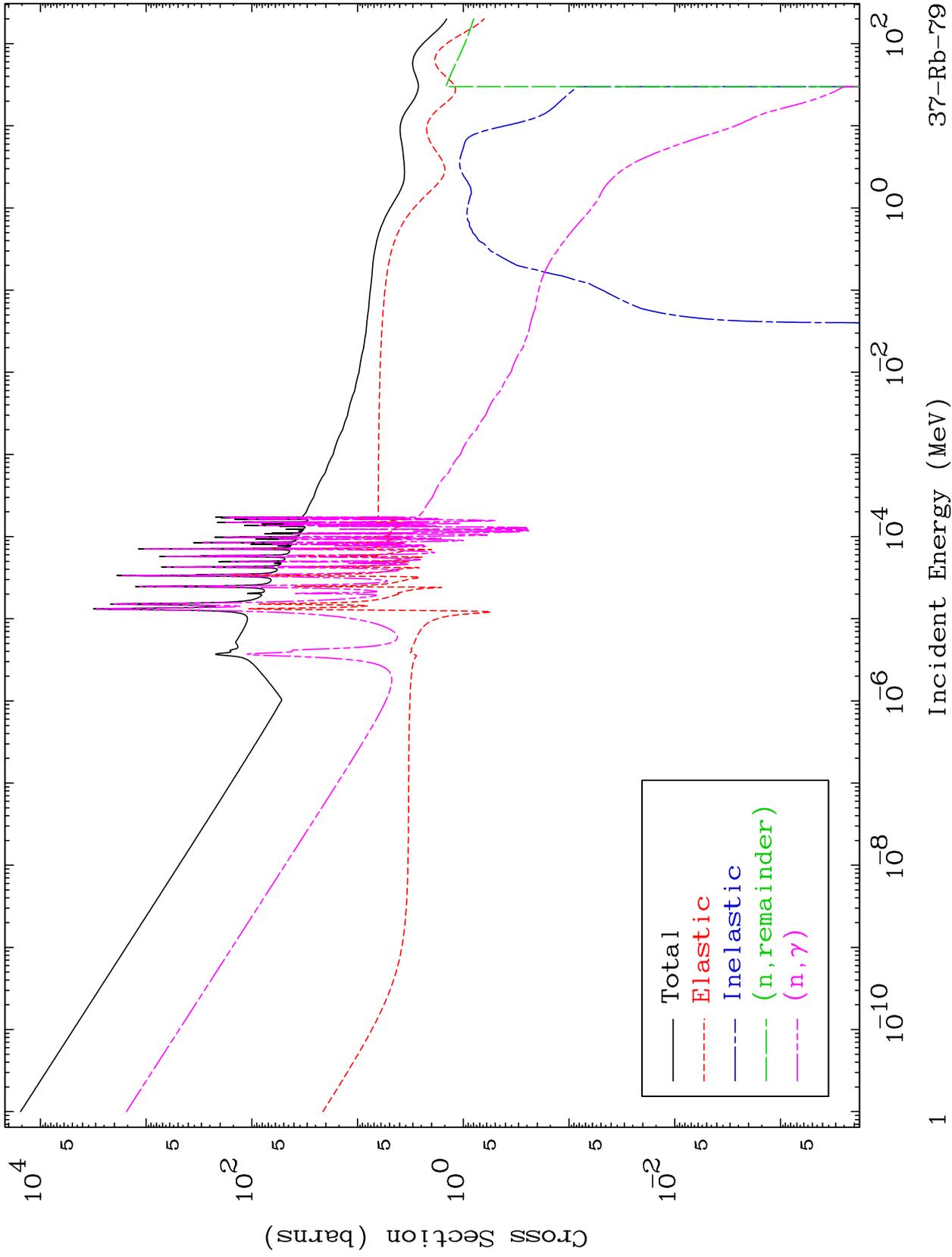
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3707

Major  
293 Kelvin Cross Sections

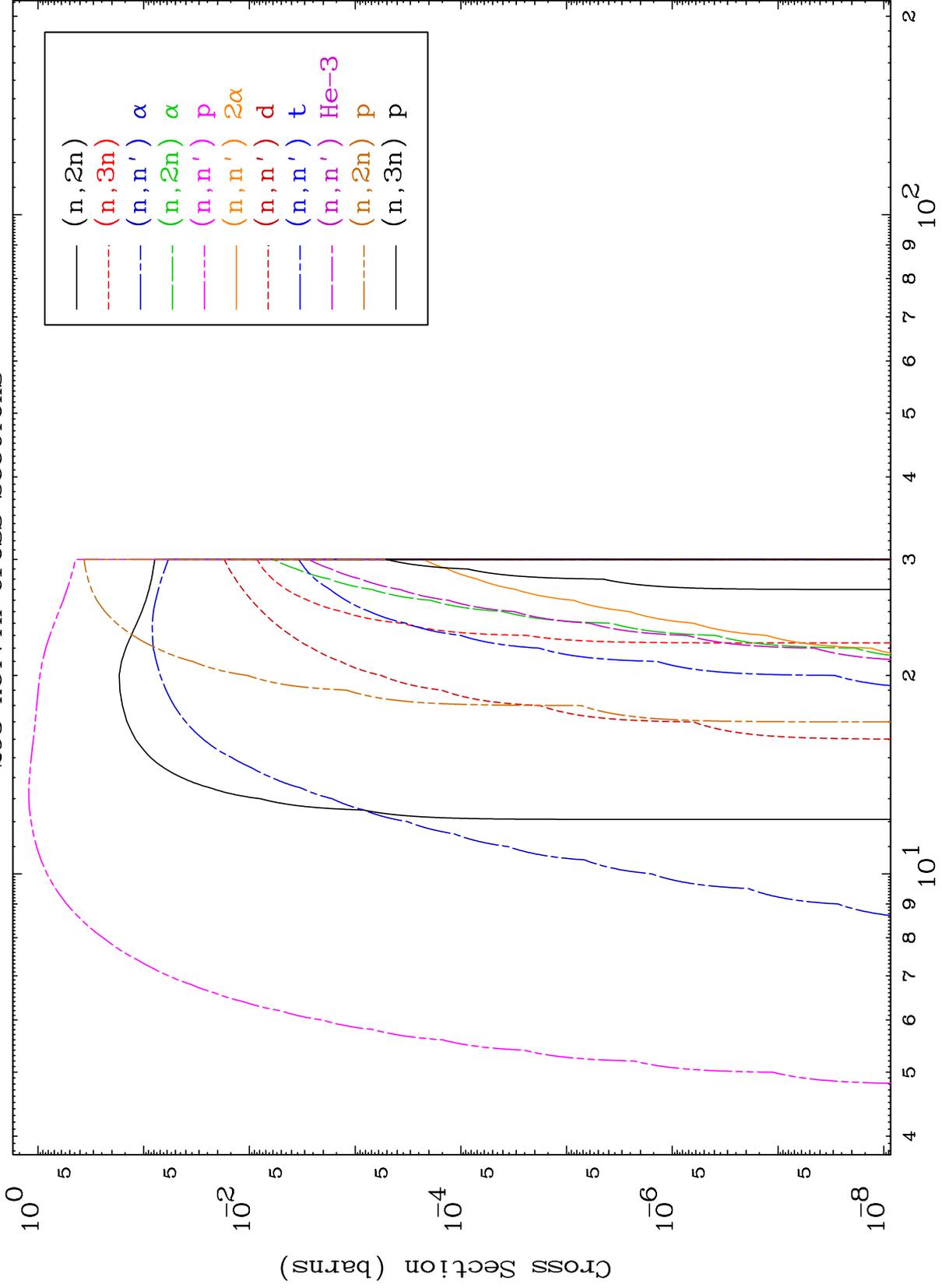
37-Rb-79



MAT 3707

Neutron Production  
293 Kelvin Cross Sections

37-Rb-79



2

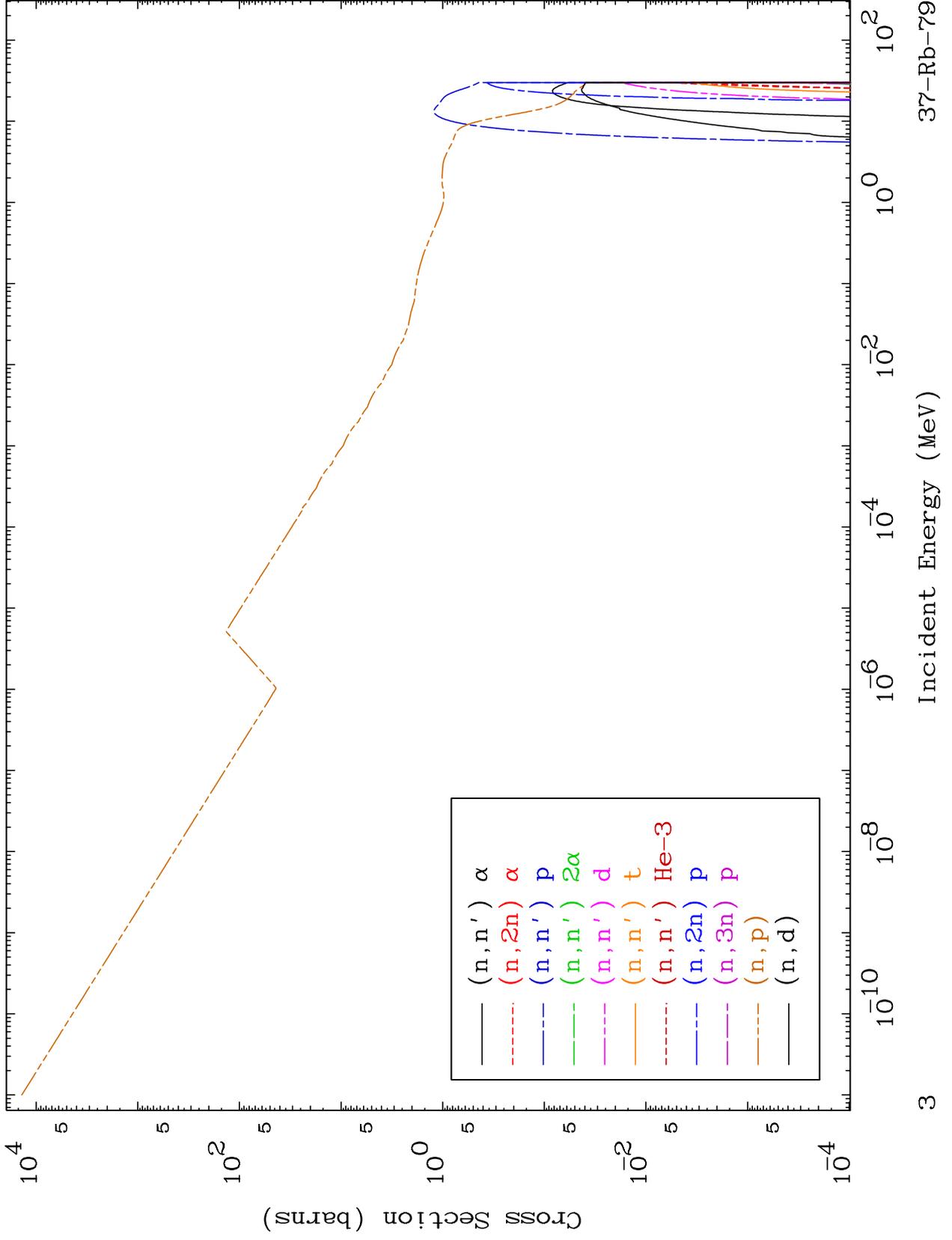
Incident Energy (MeV)

37-Rb-79

MAT 3707

Charged Particle  
293 Kelvin Cross Sections

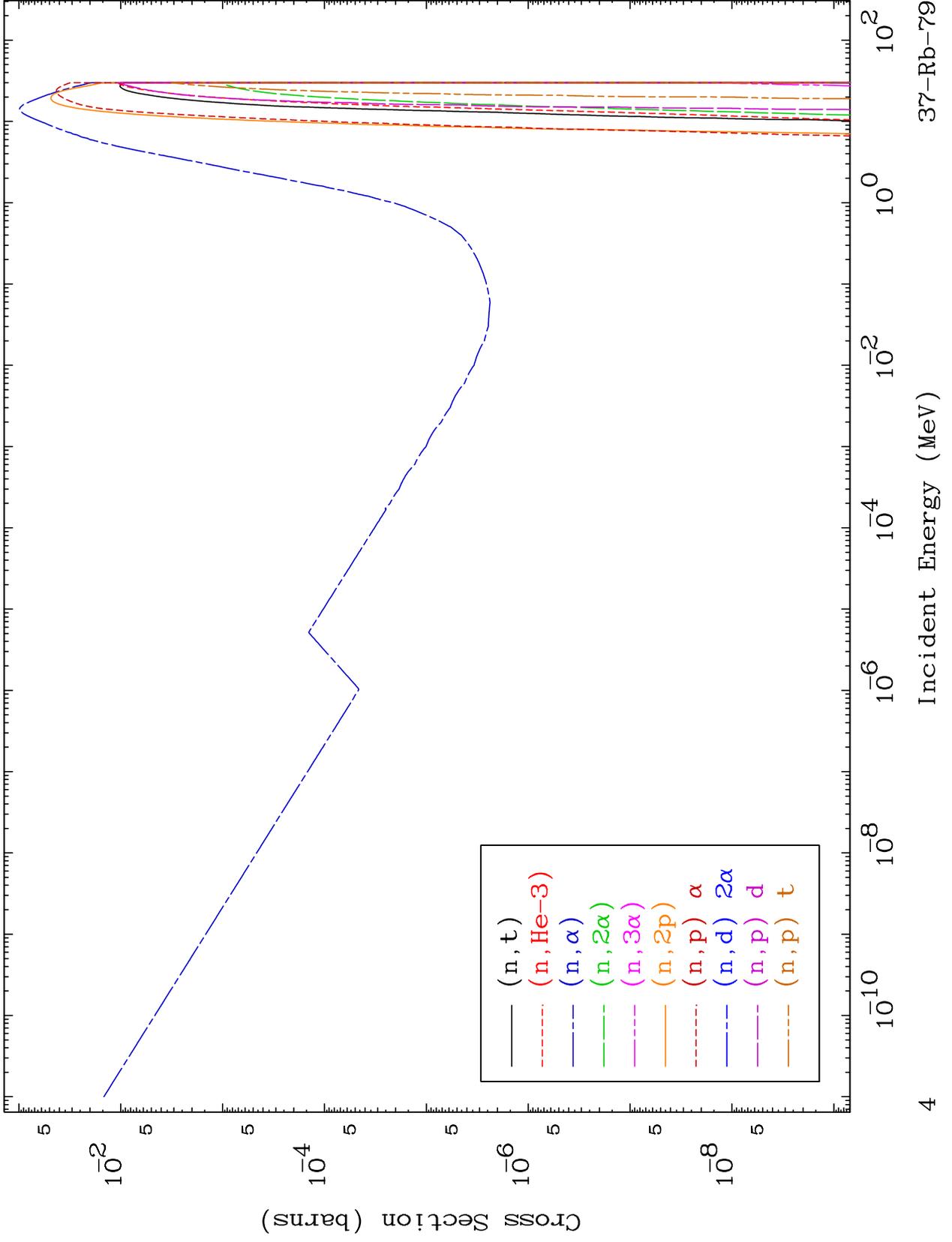
37-Rb-79



MAT 3707

Charged Particle  
293 Kelvin Cross Sections

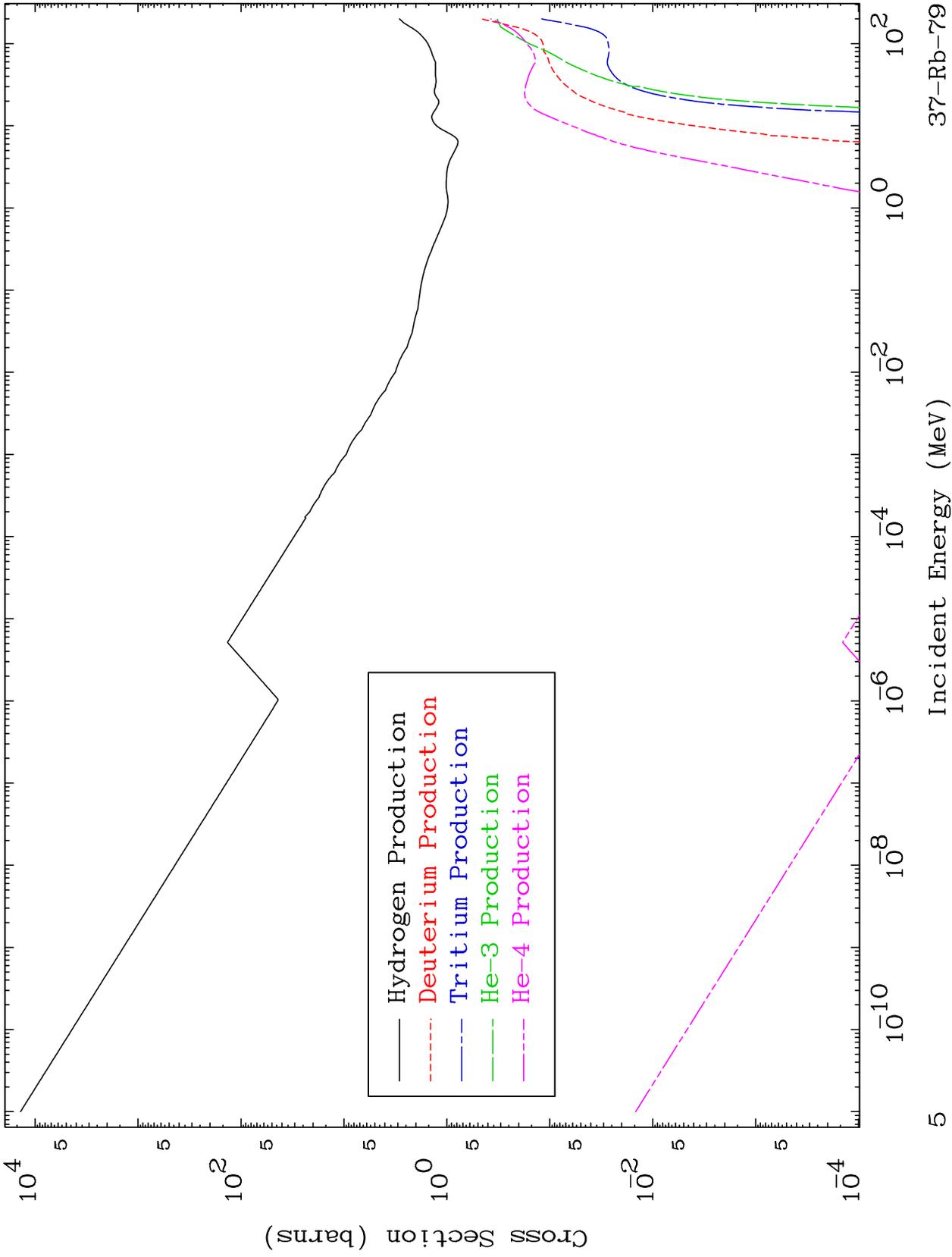
37-Rb-79



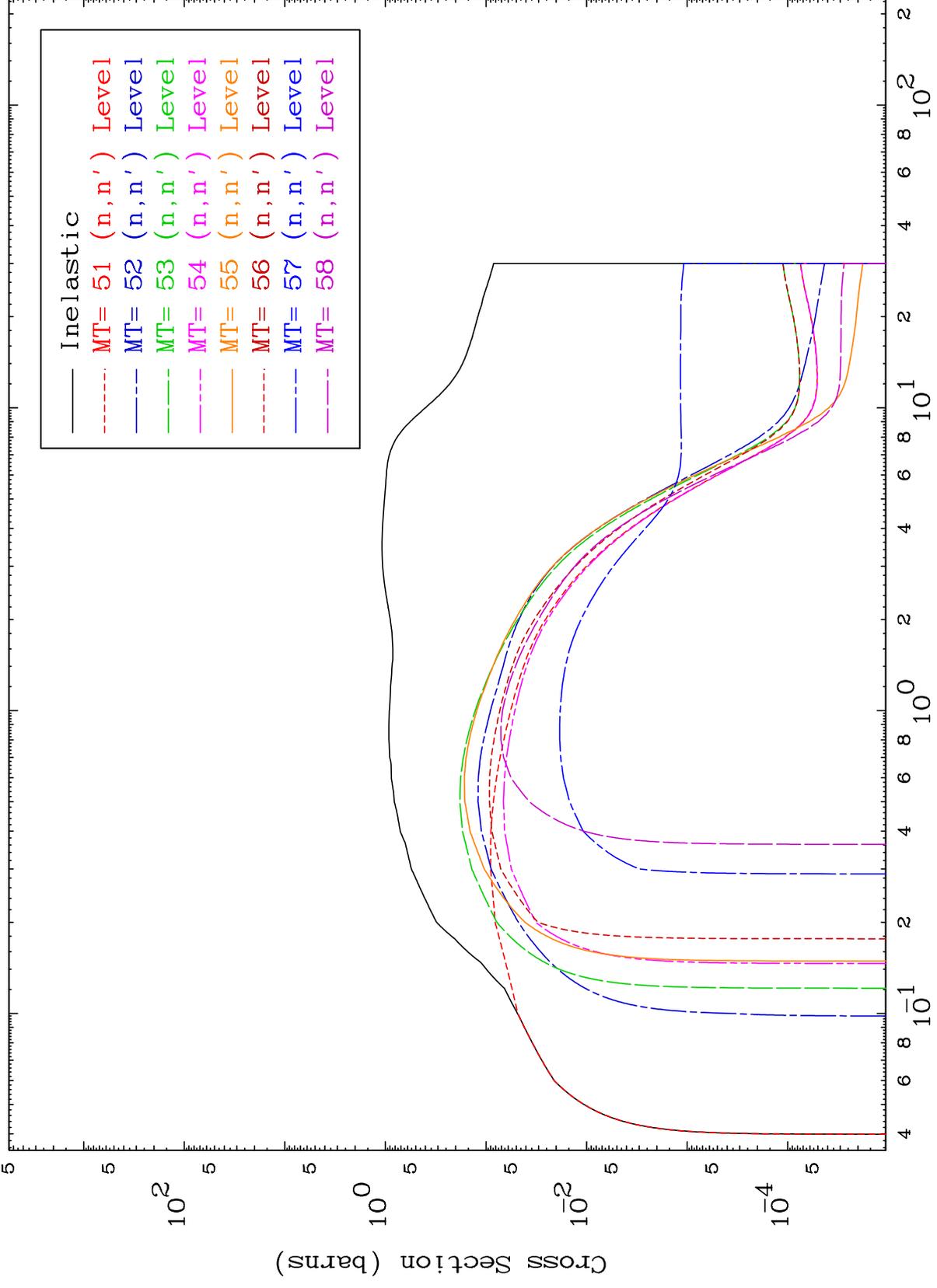
MAT 3707

Particle Production  
293 Kelvin Cross Sections

37-Rb-79



293 Kelvin Cross Sections

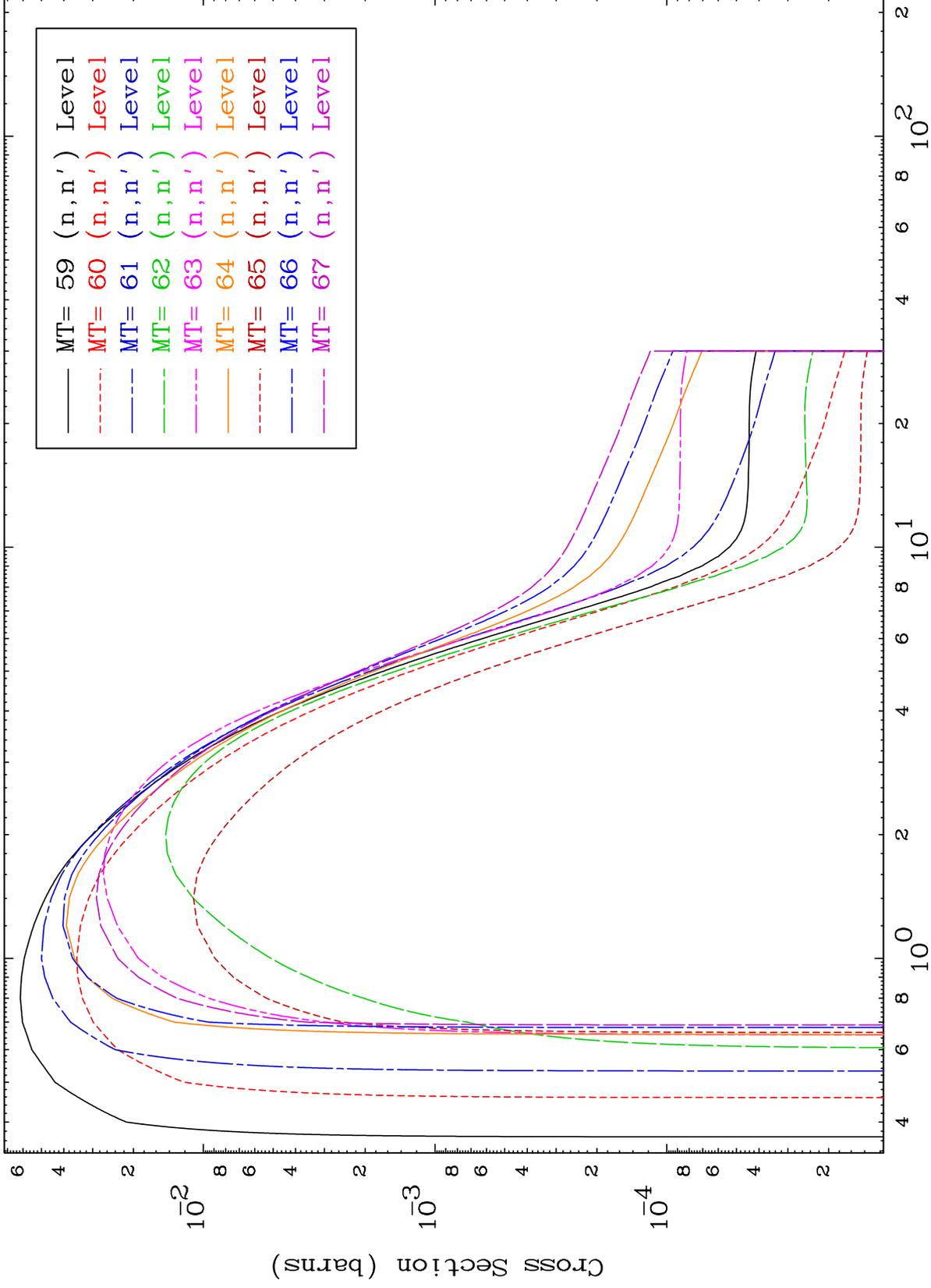


MAT 3707

(n,n') Level

37-Rb-79

293 Kelvin Cross Sections



7

Incident Energy (MeV)

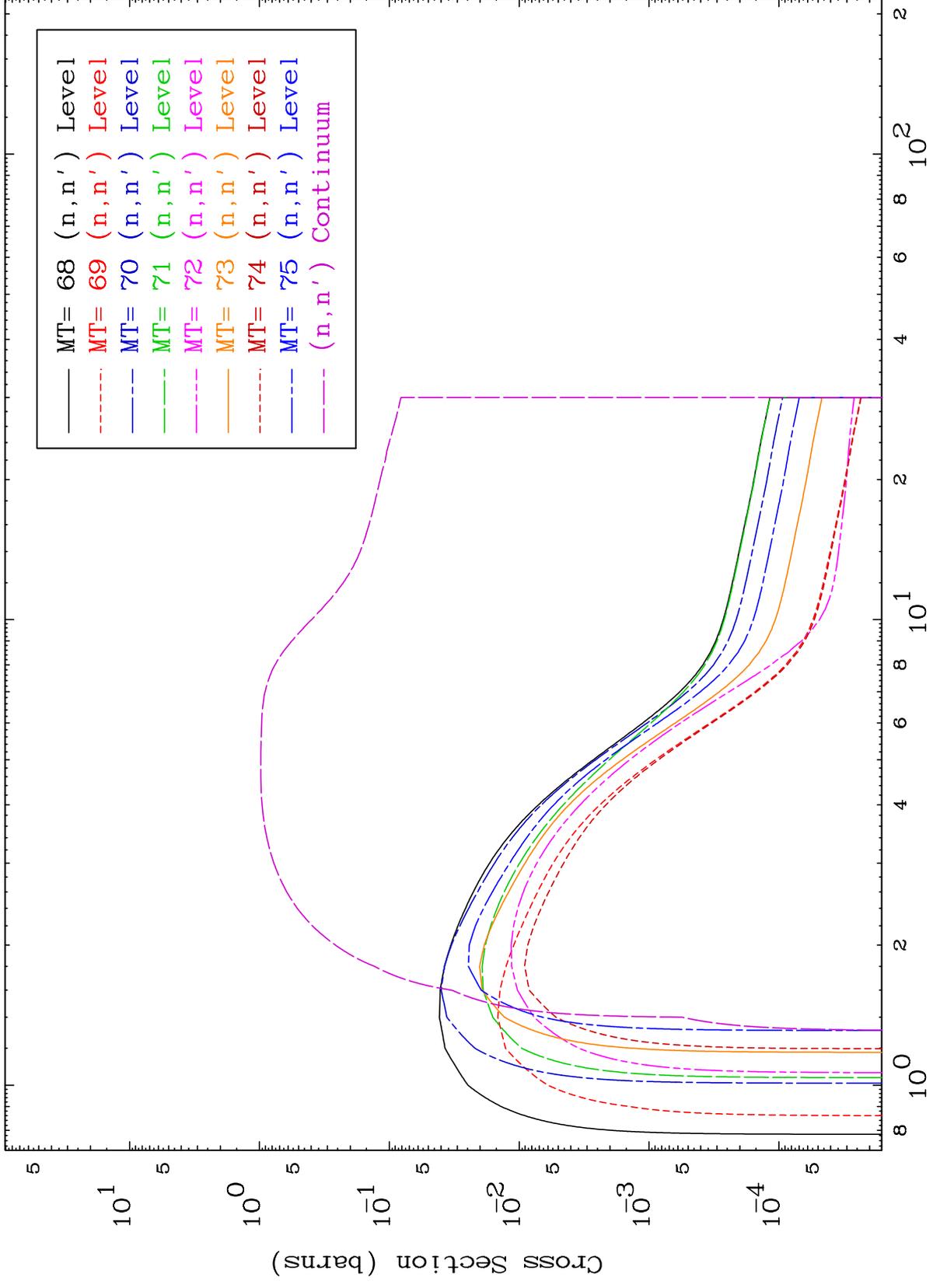
37-Rb-79

MAT 3707

(n,n') Level

37-Rb-79

293 Kelvin Cross Sections



8

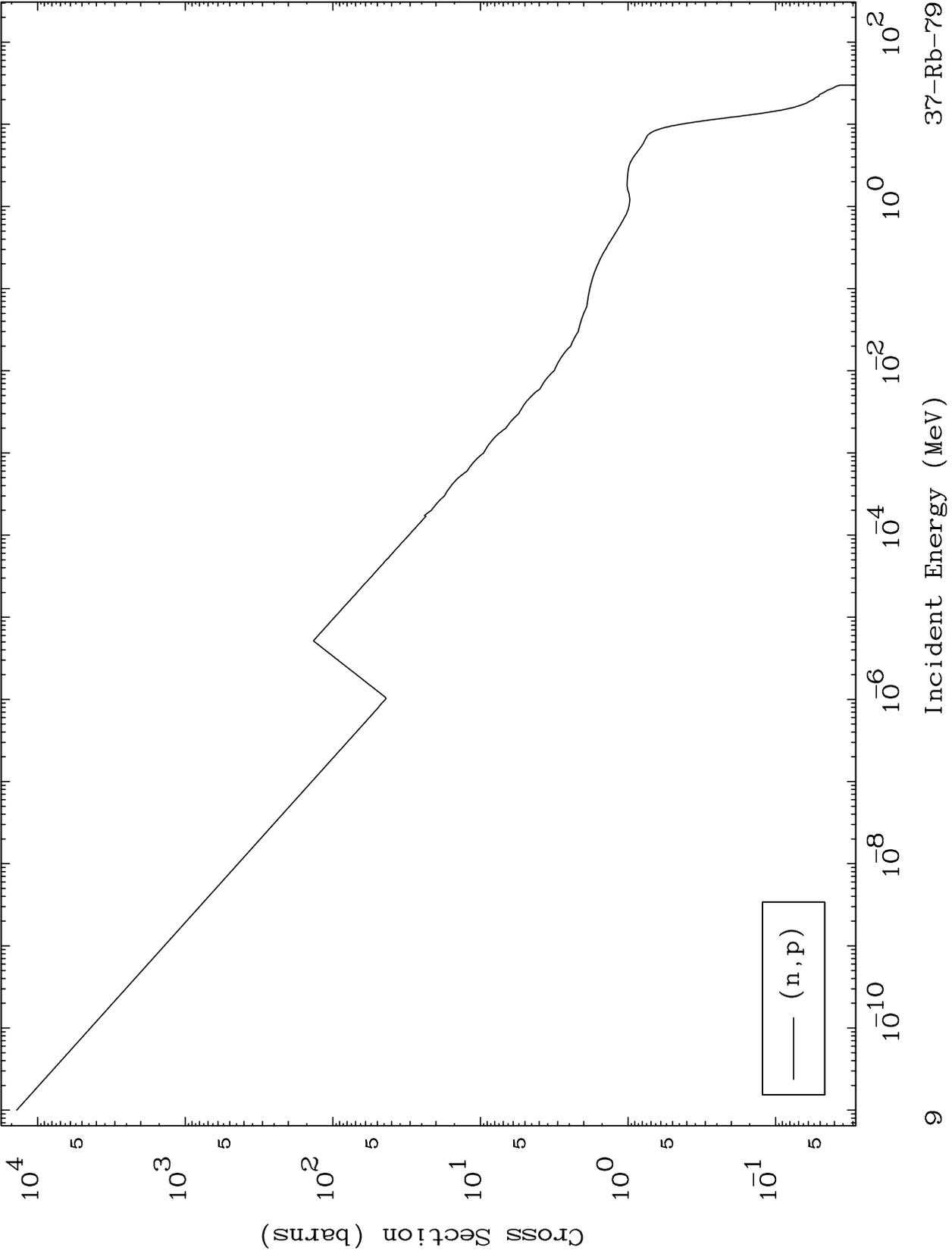
Incident Energy (MeV)

37-Rb-79

MAT 3707

(n,p) Levels  
293 Kelvin Cross Sections

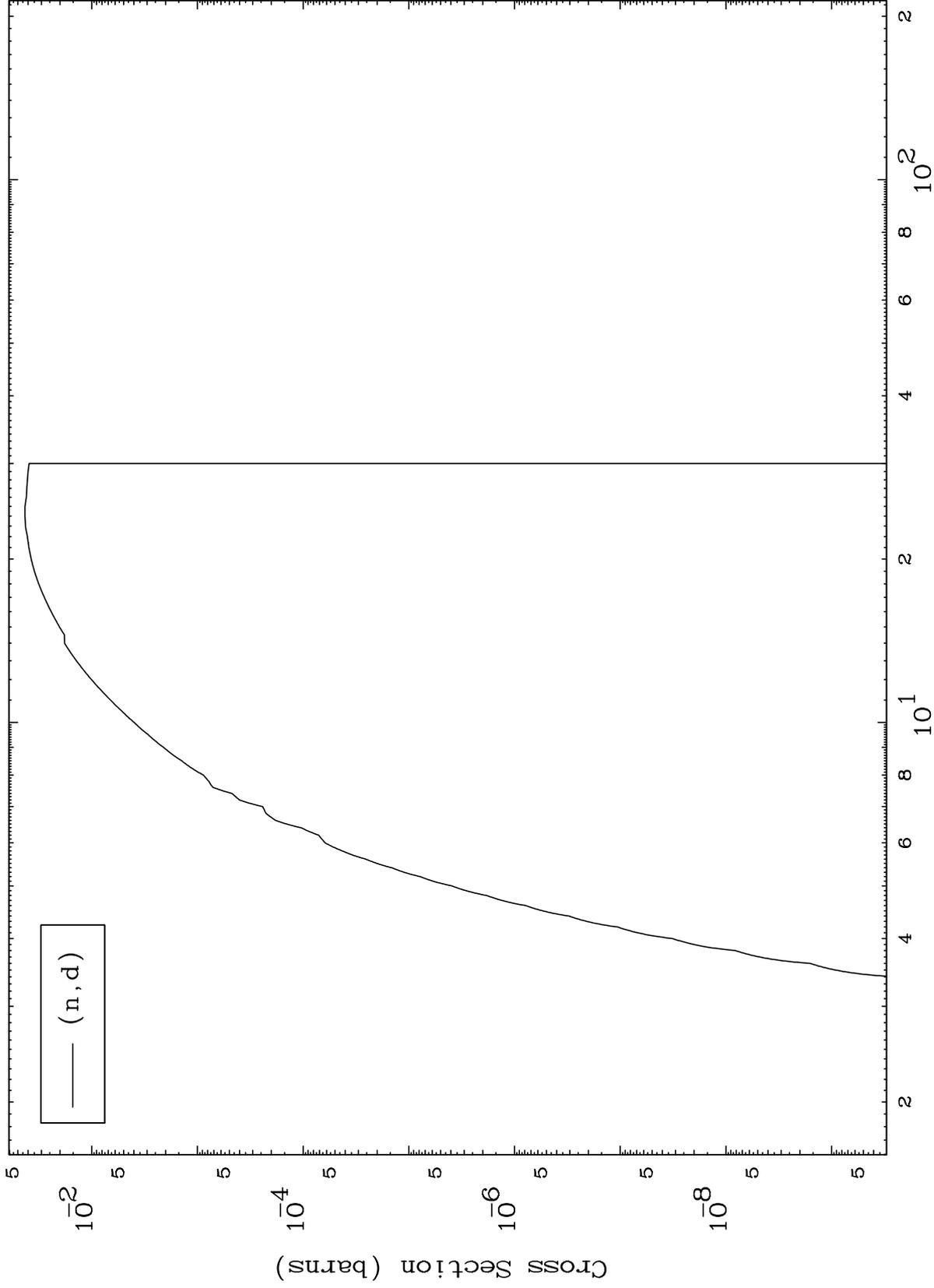
37-Rb-79



MAT 3707

(n,d) Levels  
293 Kelvin Cross Sections

37-Rb-79



10

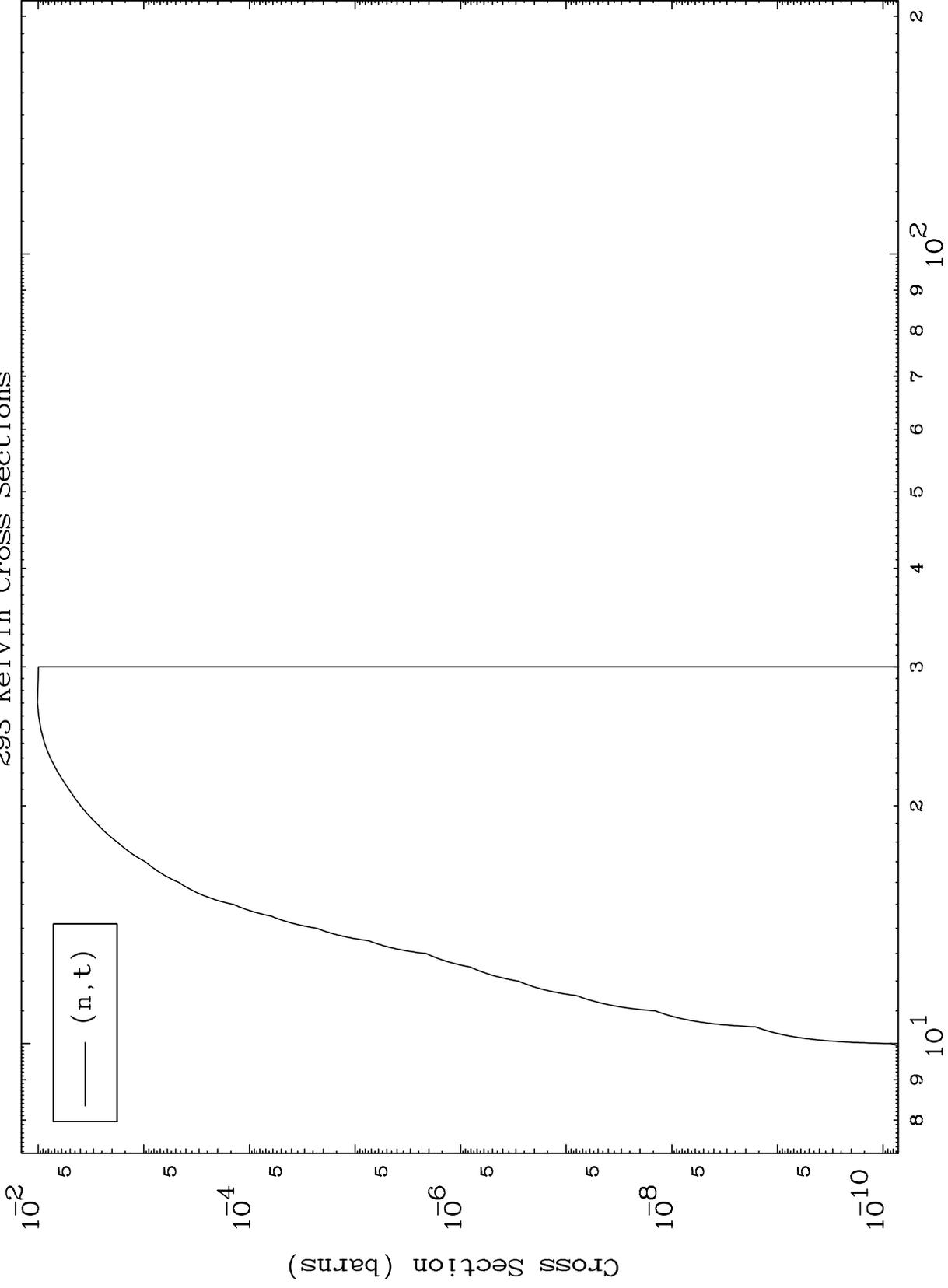
Incident Energy (MeV)

37-Rb-79

MAT 3707

(n,t) Levels  
293 Kelvin Cross Sections

37-Rb-79



11

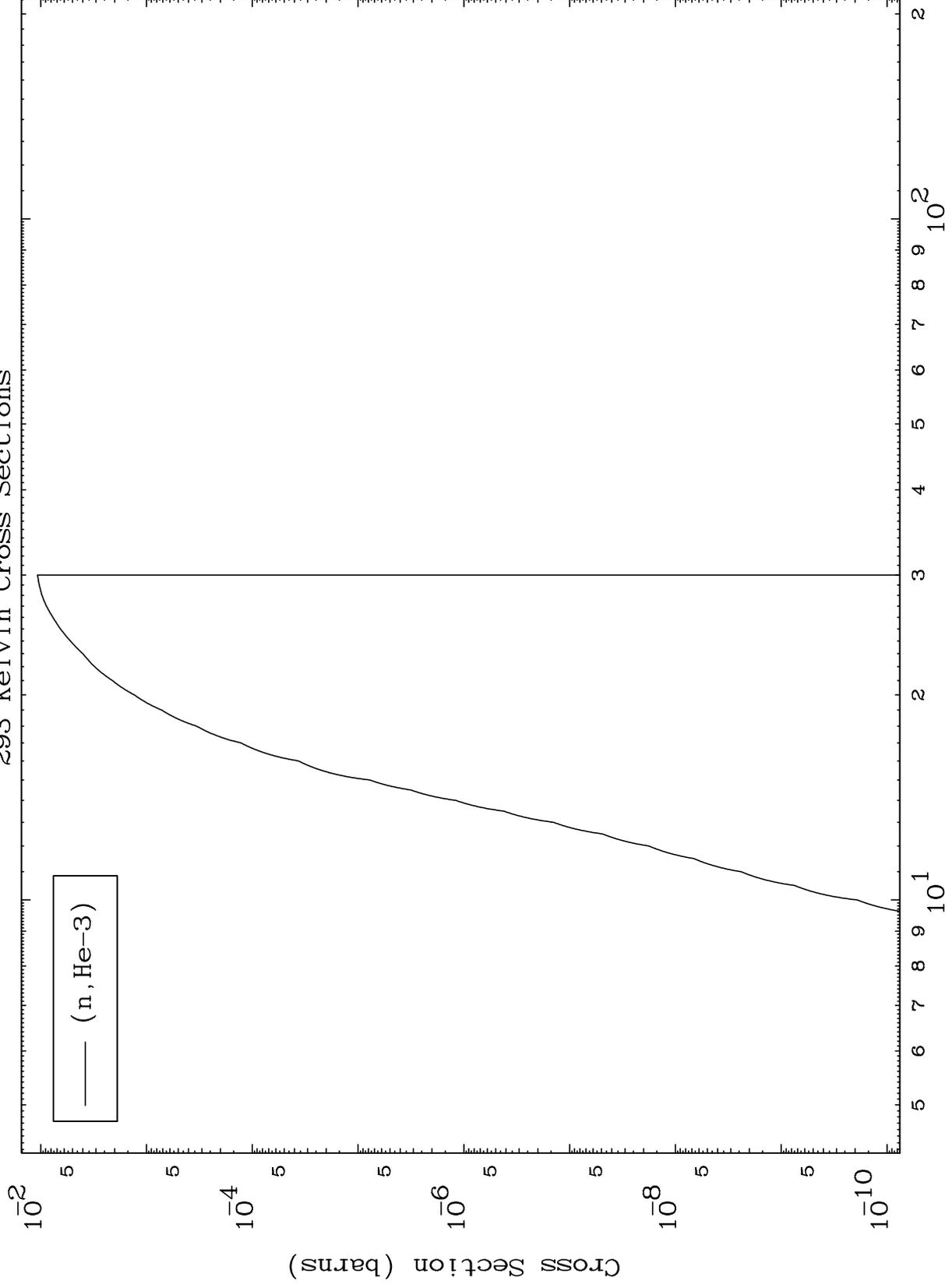
Incident Energy (MeV)

37-Rb-79

MAT 3707

(n,He3) Levels  
293 Kelvin Cross Sections

37-Rb-79



12

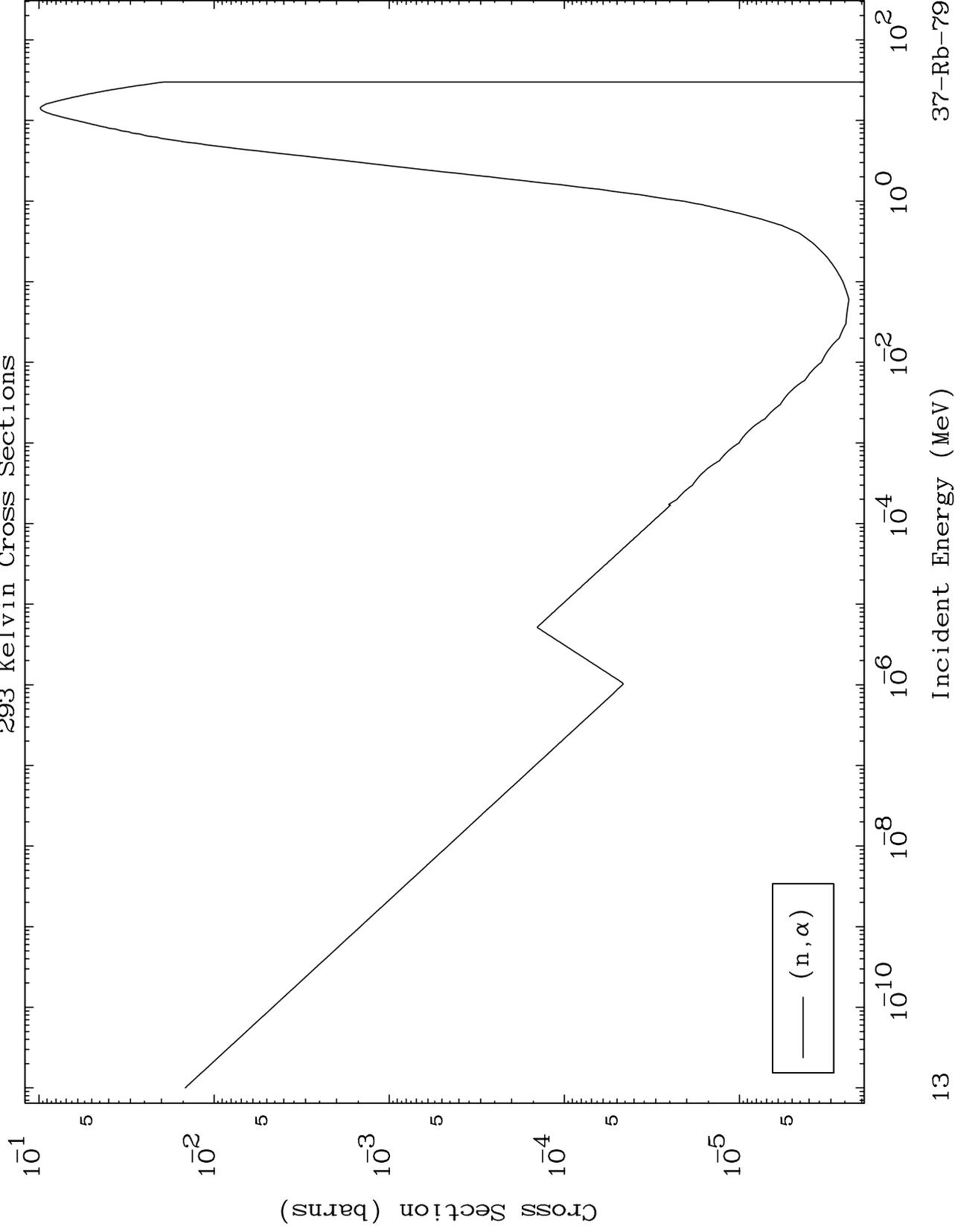
Incident Energy (MeV)

37-Rb-79

MAT 3707

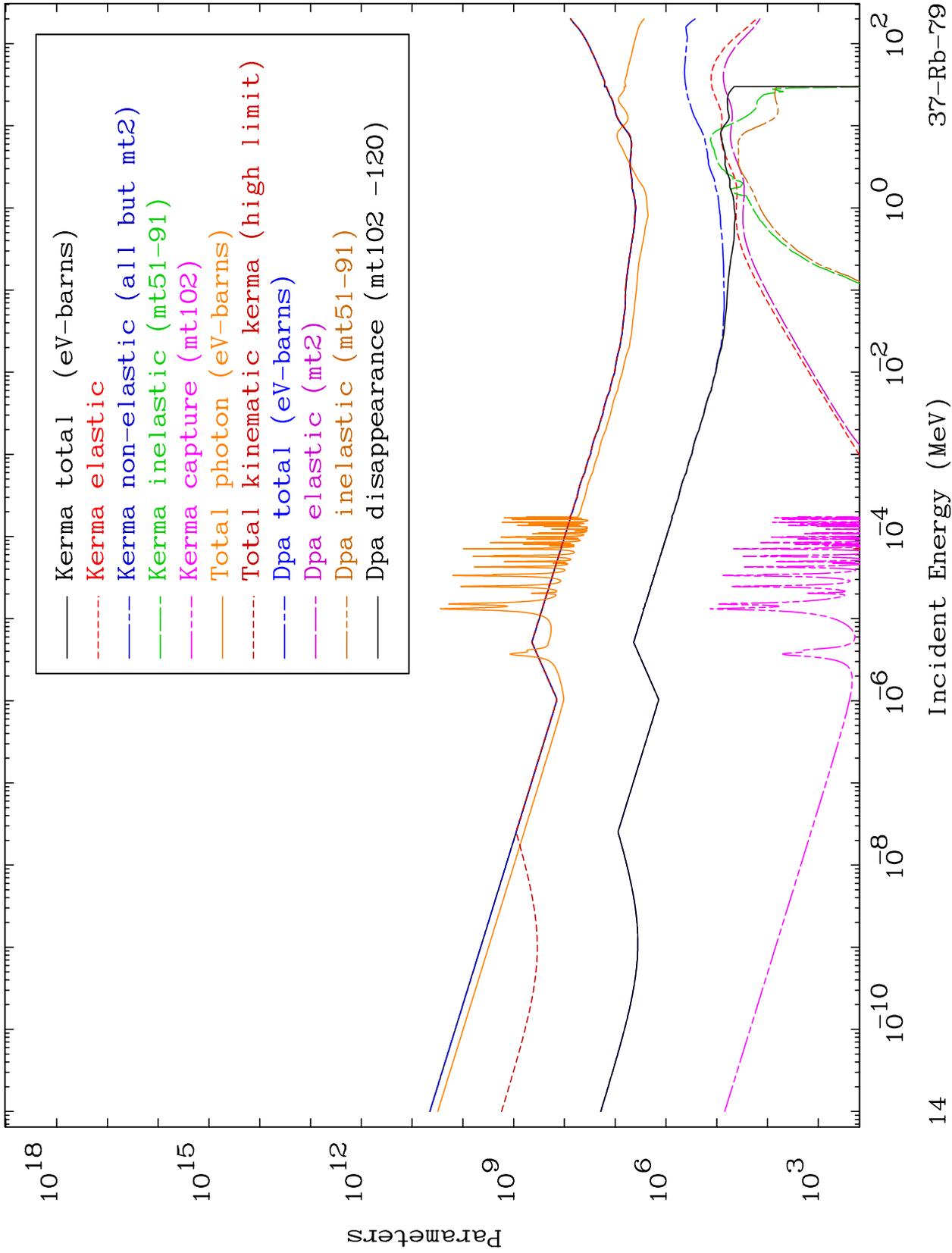
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

37-Rb-79



13

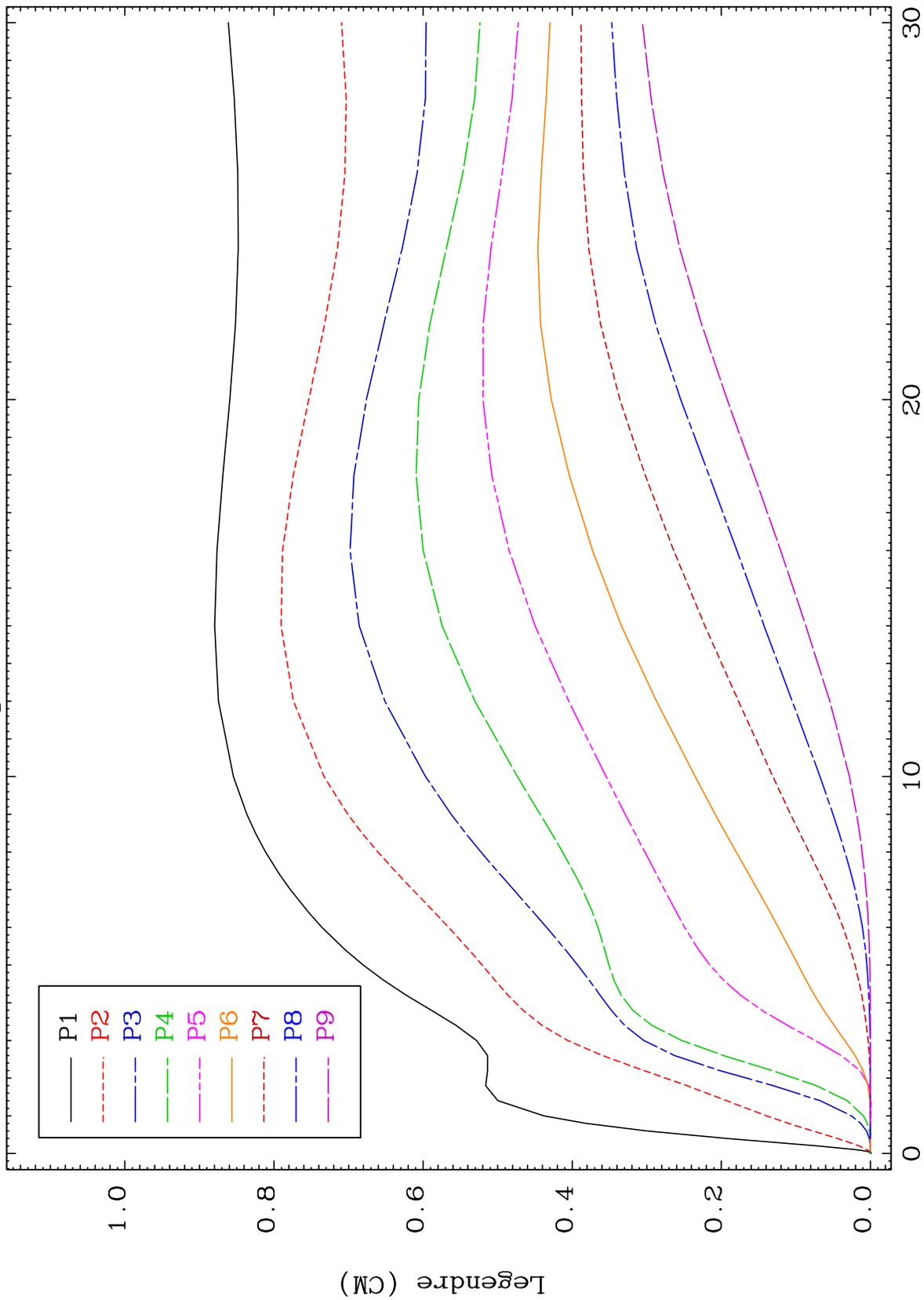
37-Rb-79



MAT 3707

Elastic Legendre Coefficients

37-Rb-79



15

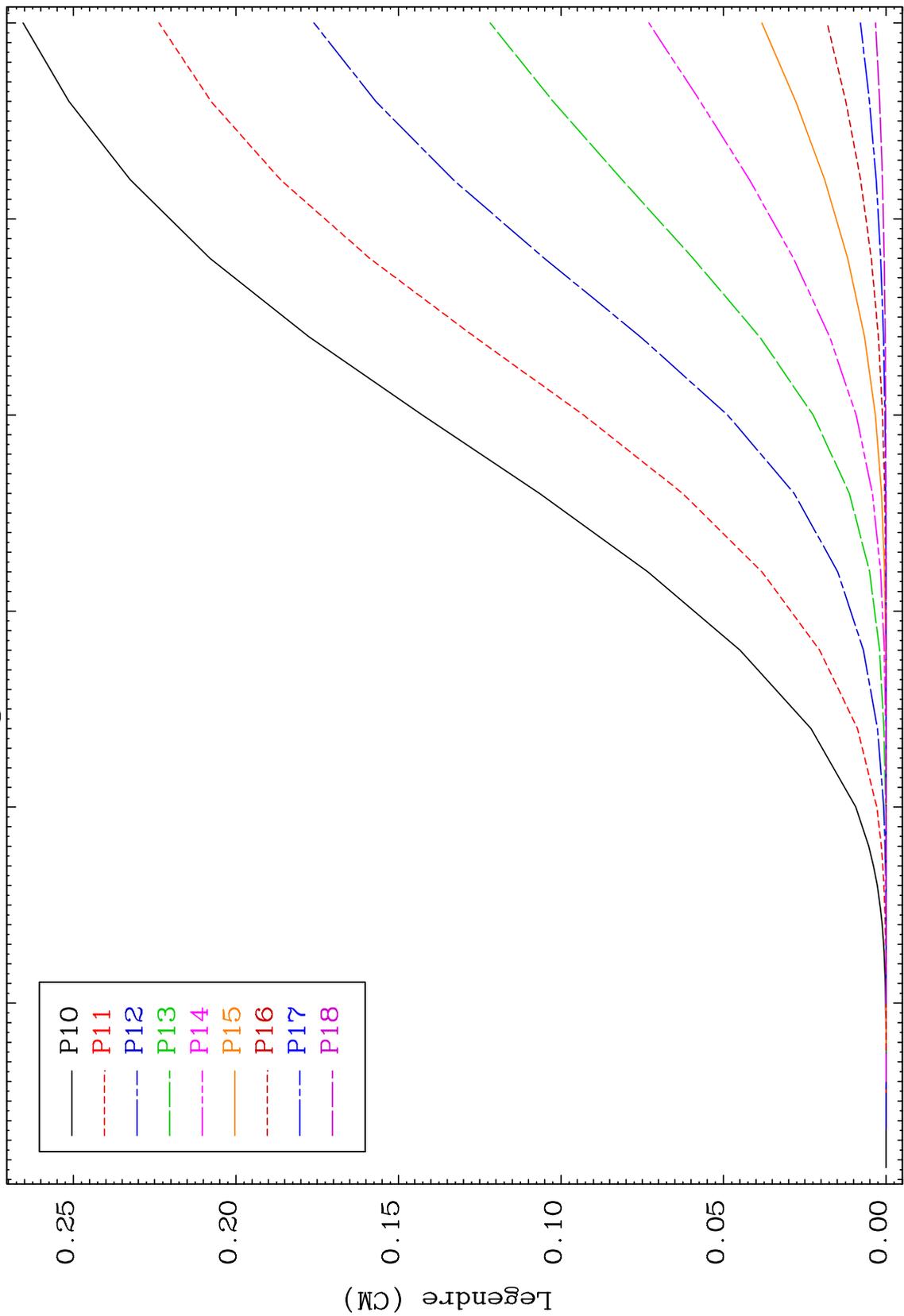
Incident Energy (MeV)

37-Rb-79

MAT 3707

Elastic Legendre Coefficients

<sup>37</sup>Rb-79



16

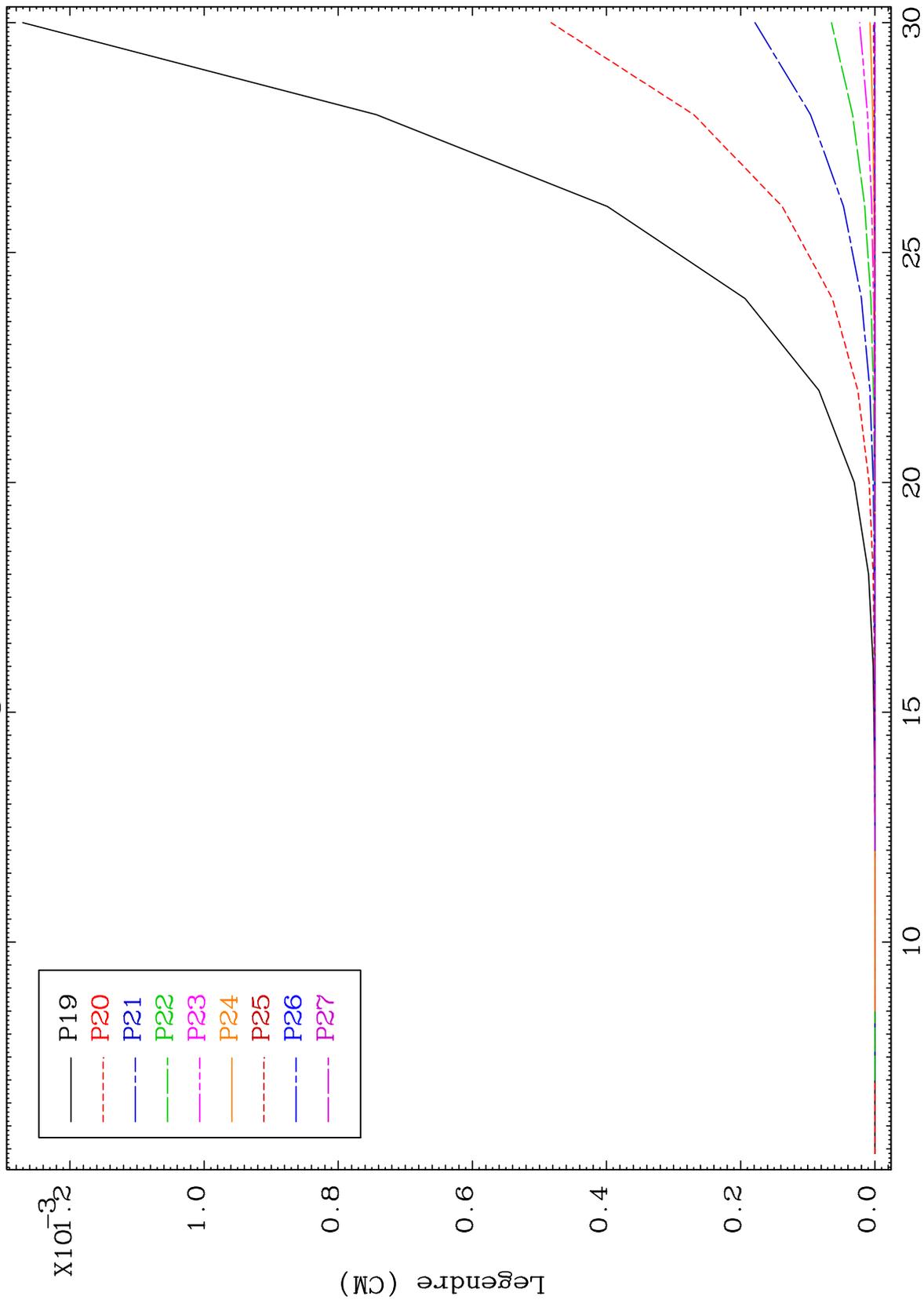
Incident Energy (MeV)

<sup>37</sup>Rb-79

MAT 3707

Elastic Legendre Coefficients

37-Rb-79



17

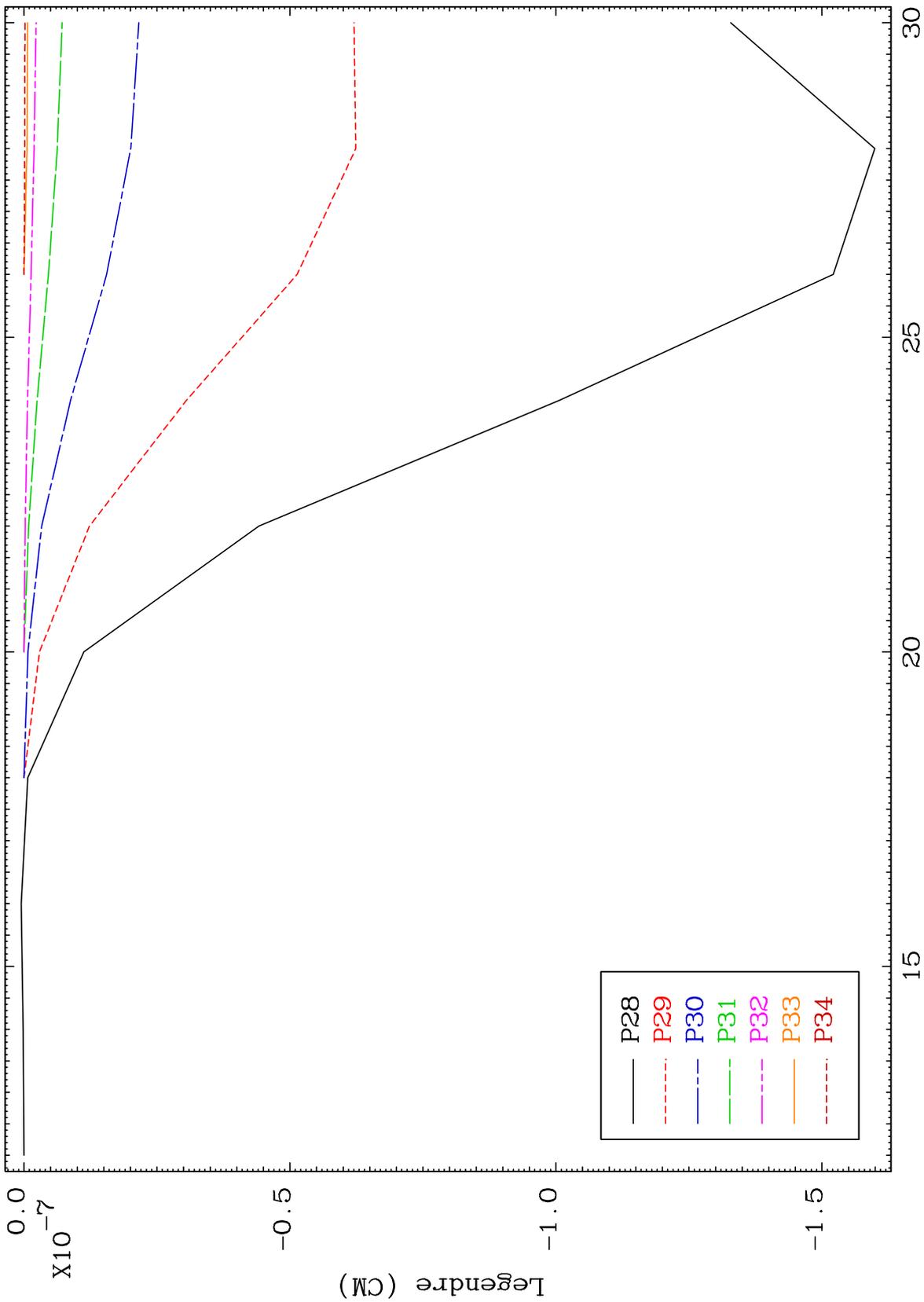
Incident Energy (MeV)

37-Rb-79

MAT 3707

37-Rb-79

Elastic Legendre Coefficients



18

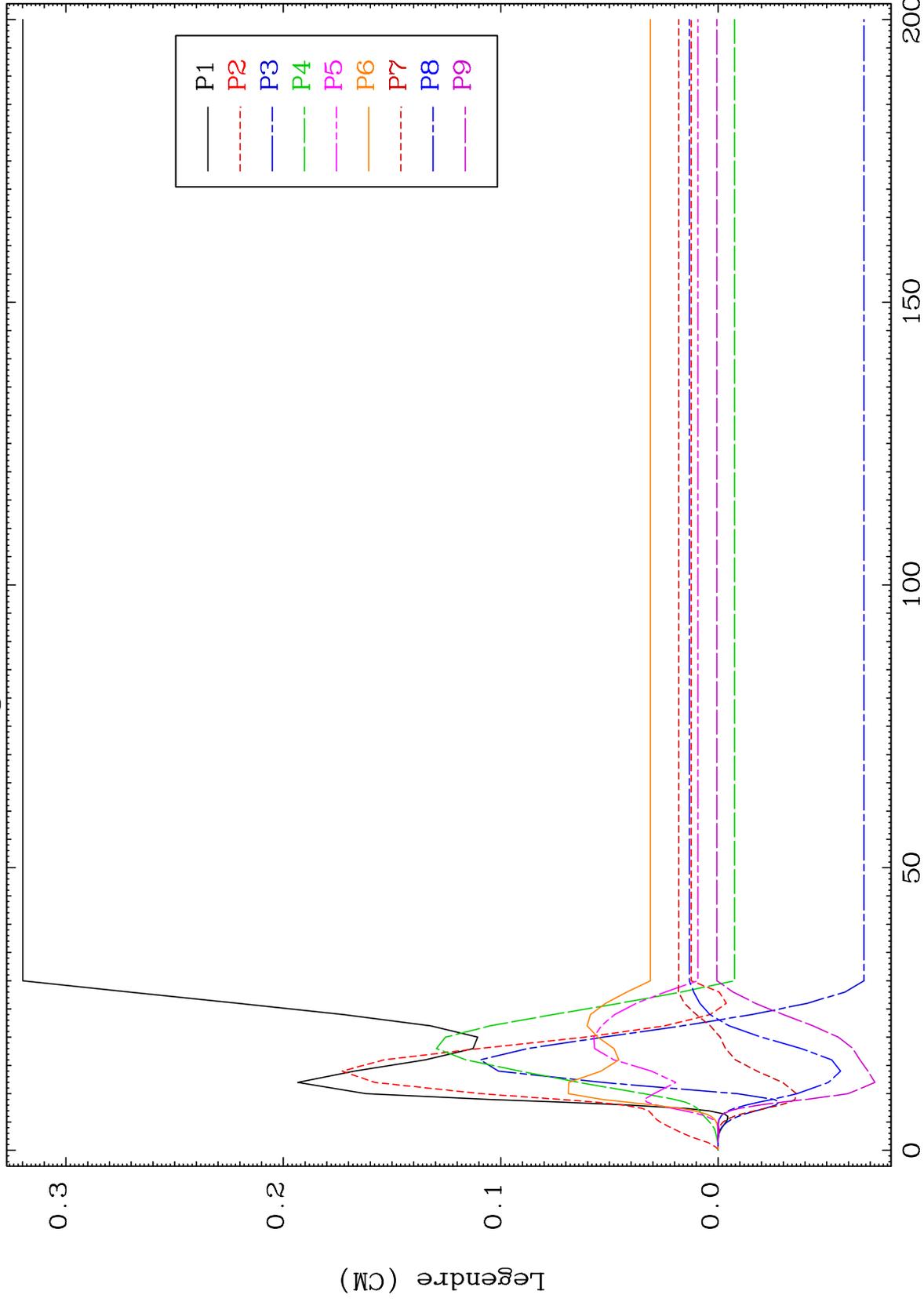
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



19

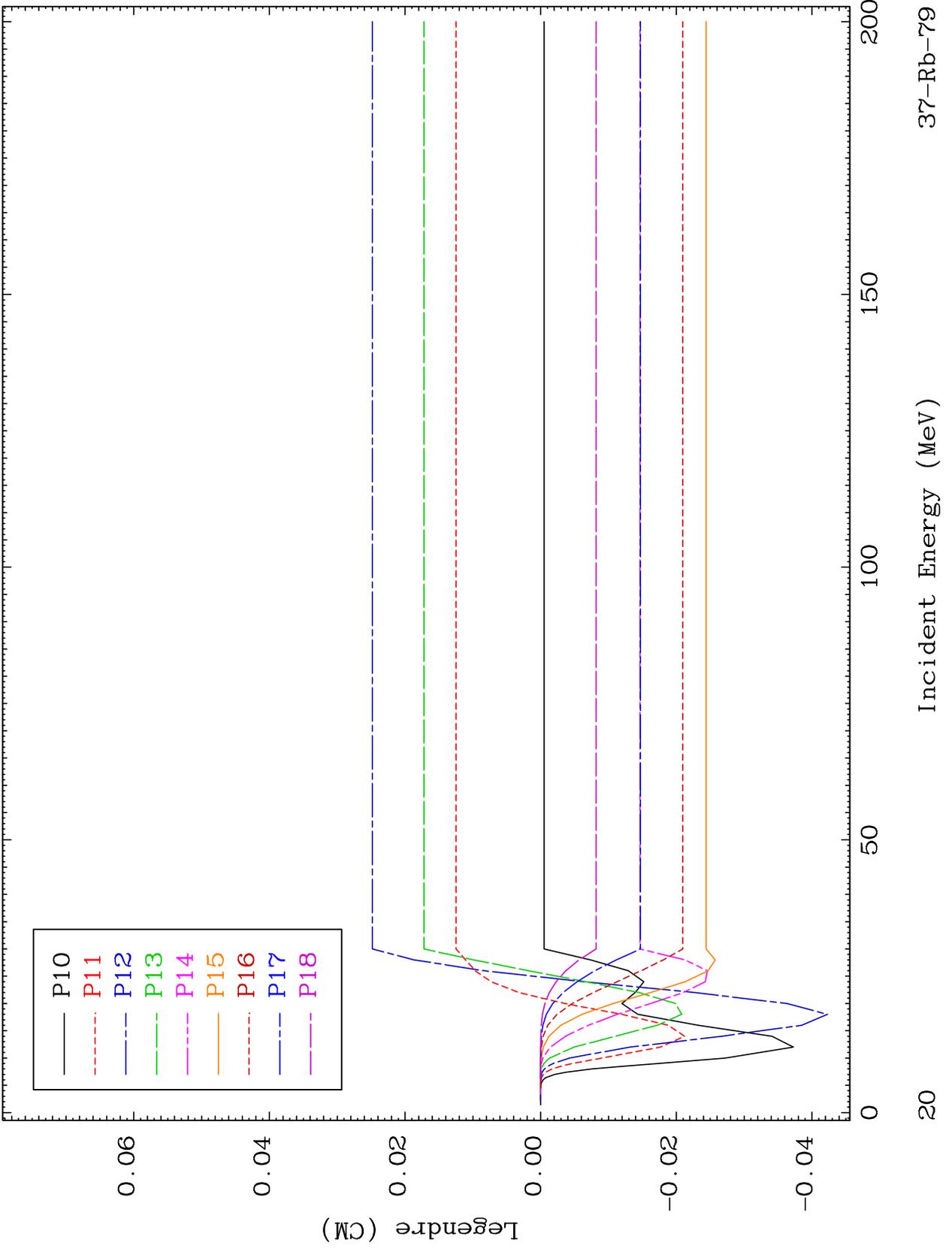
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



37-Rb-79

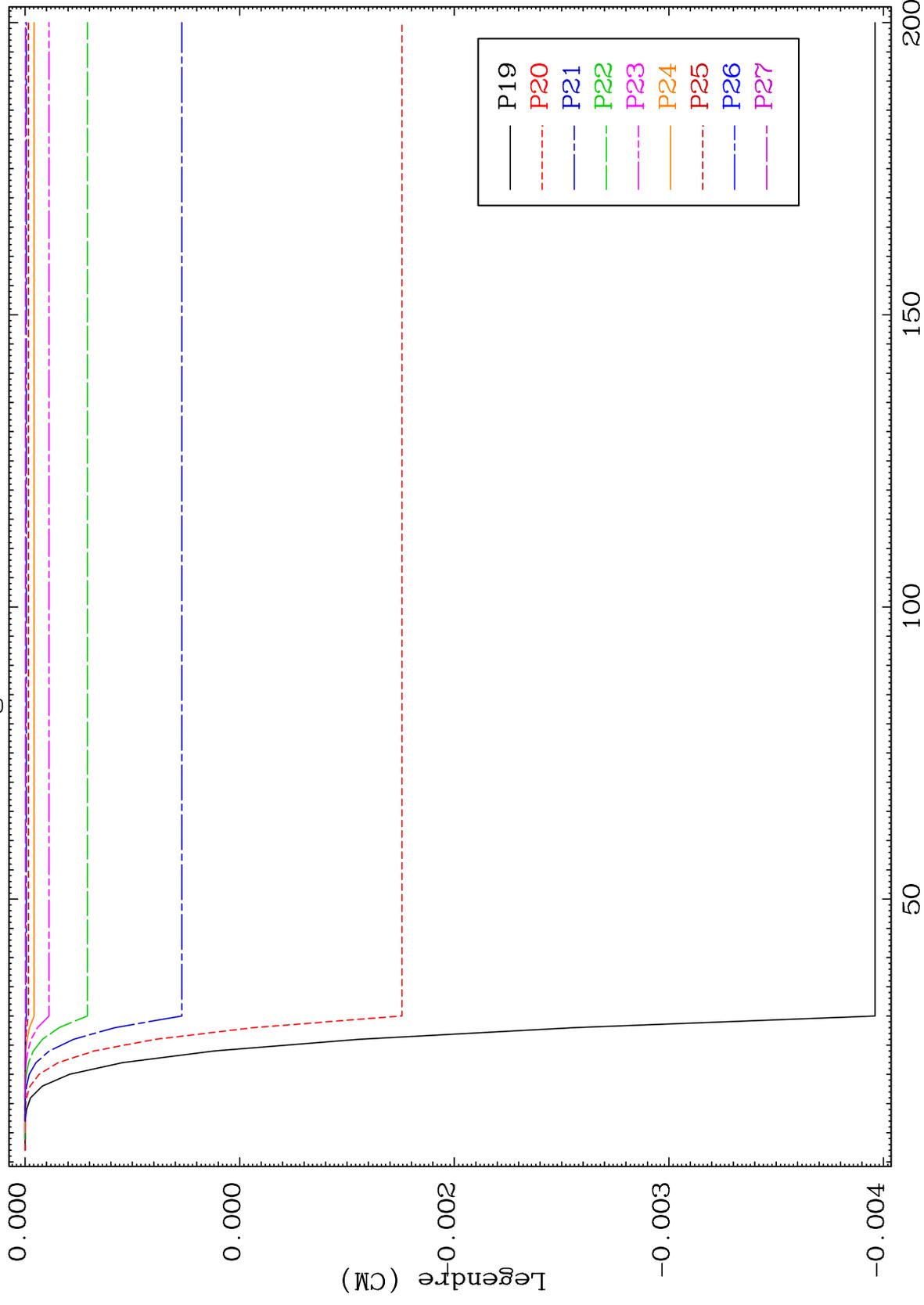
Incident Energy (MeV)

20

MAT 3707

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

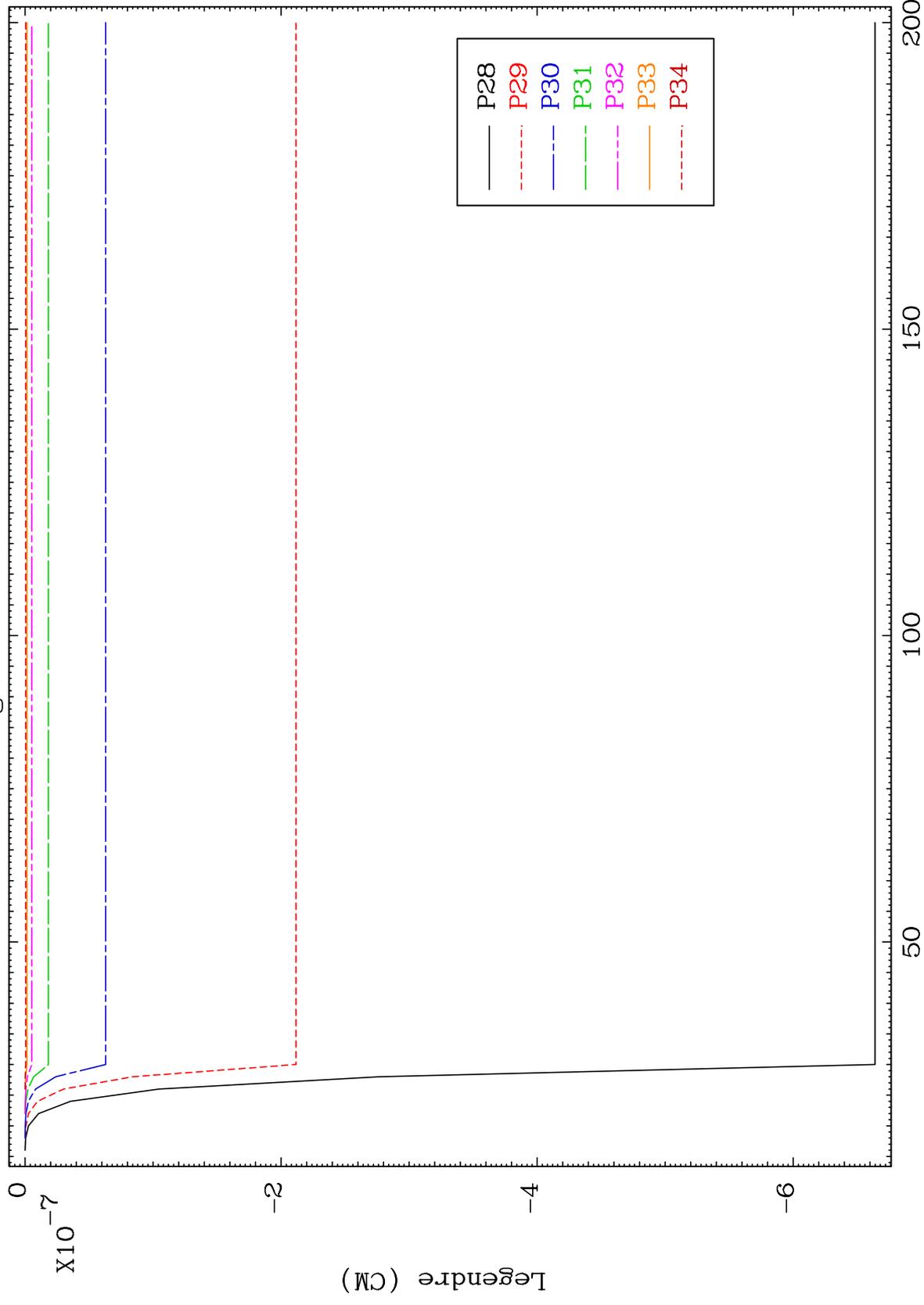
37-Rb-79



MAT 3707

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

37-Rb-79



22

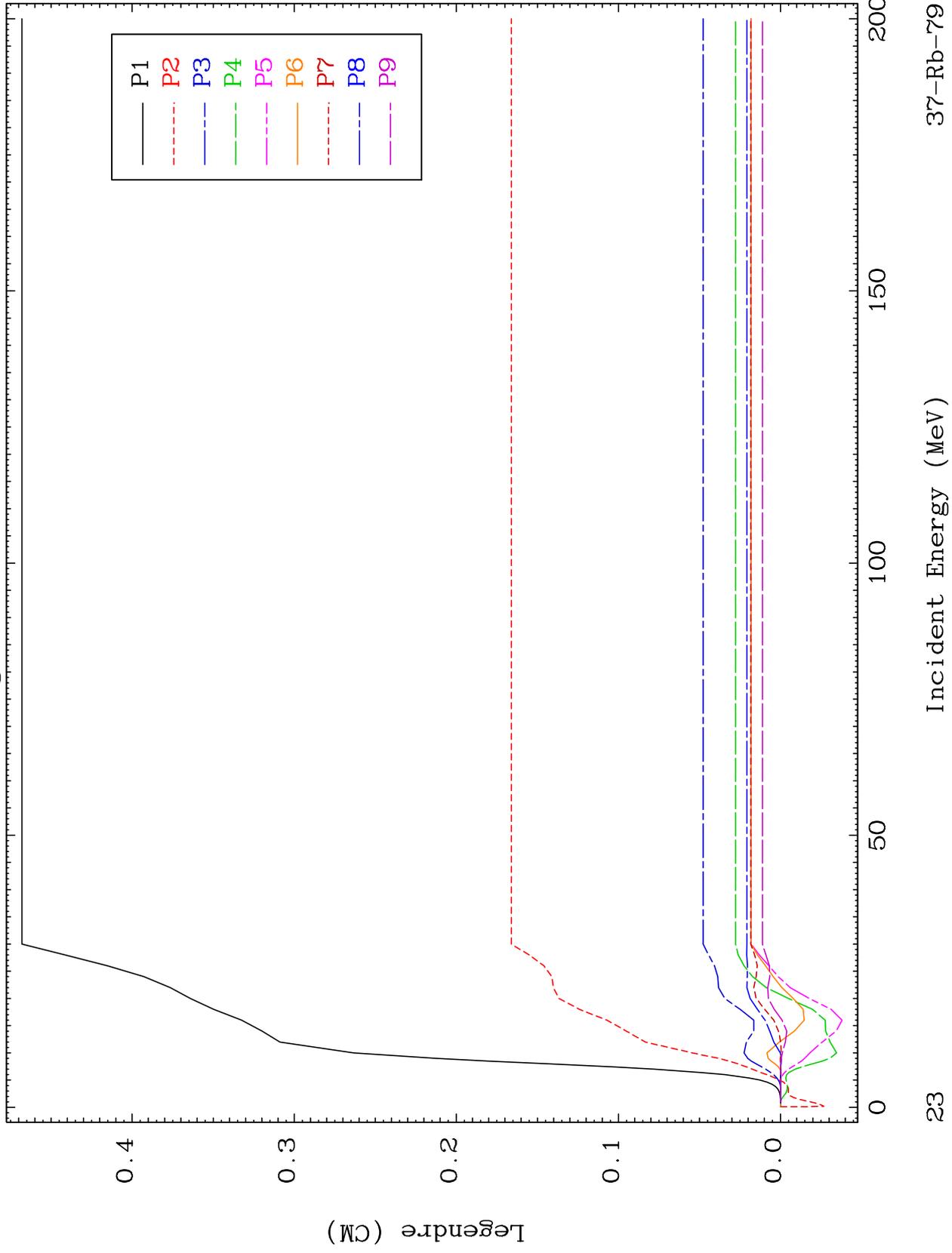
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



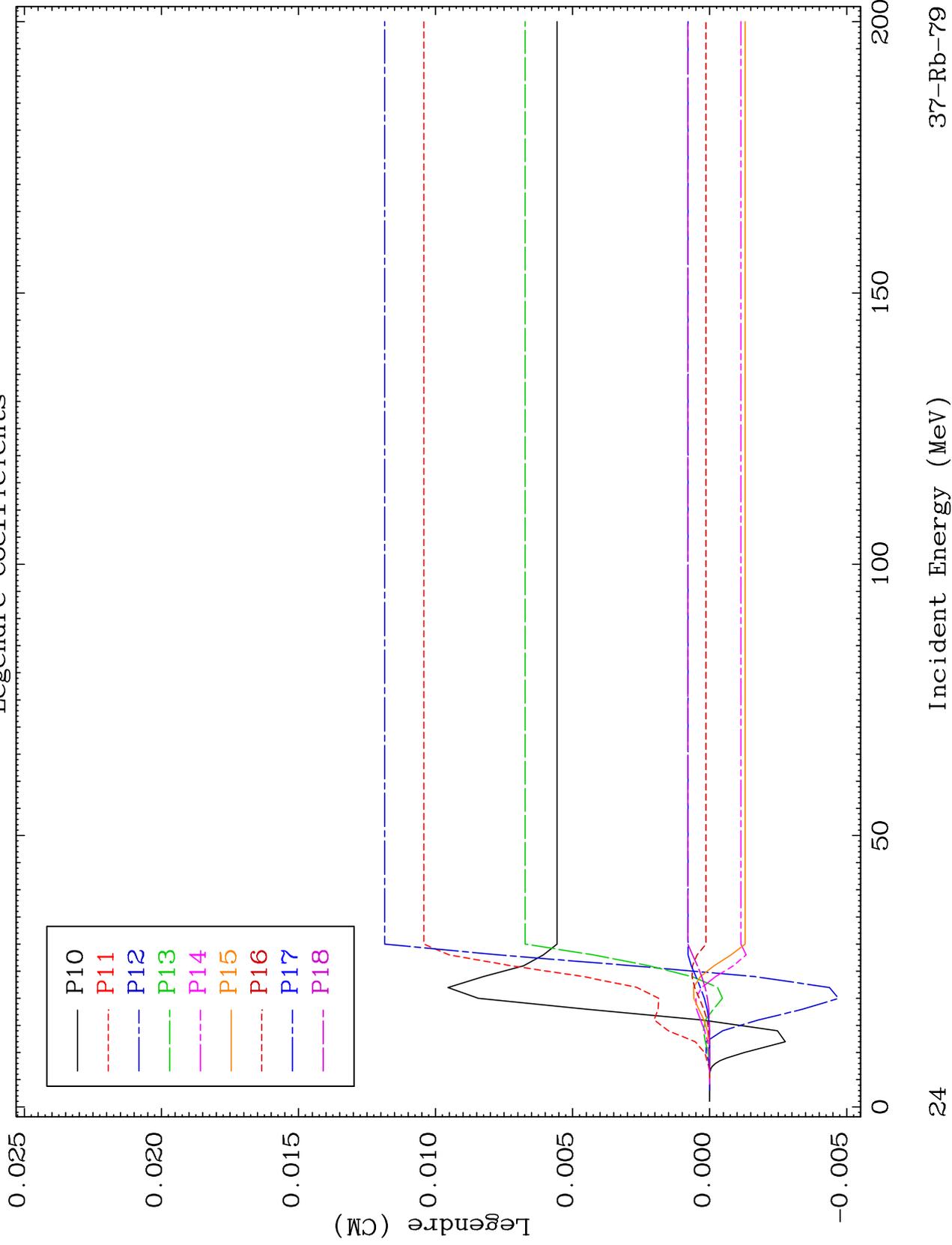
23

37-Rb-79

MAT 3707

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

37-Rb-79



24

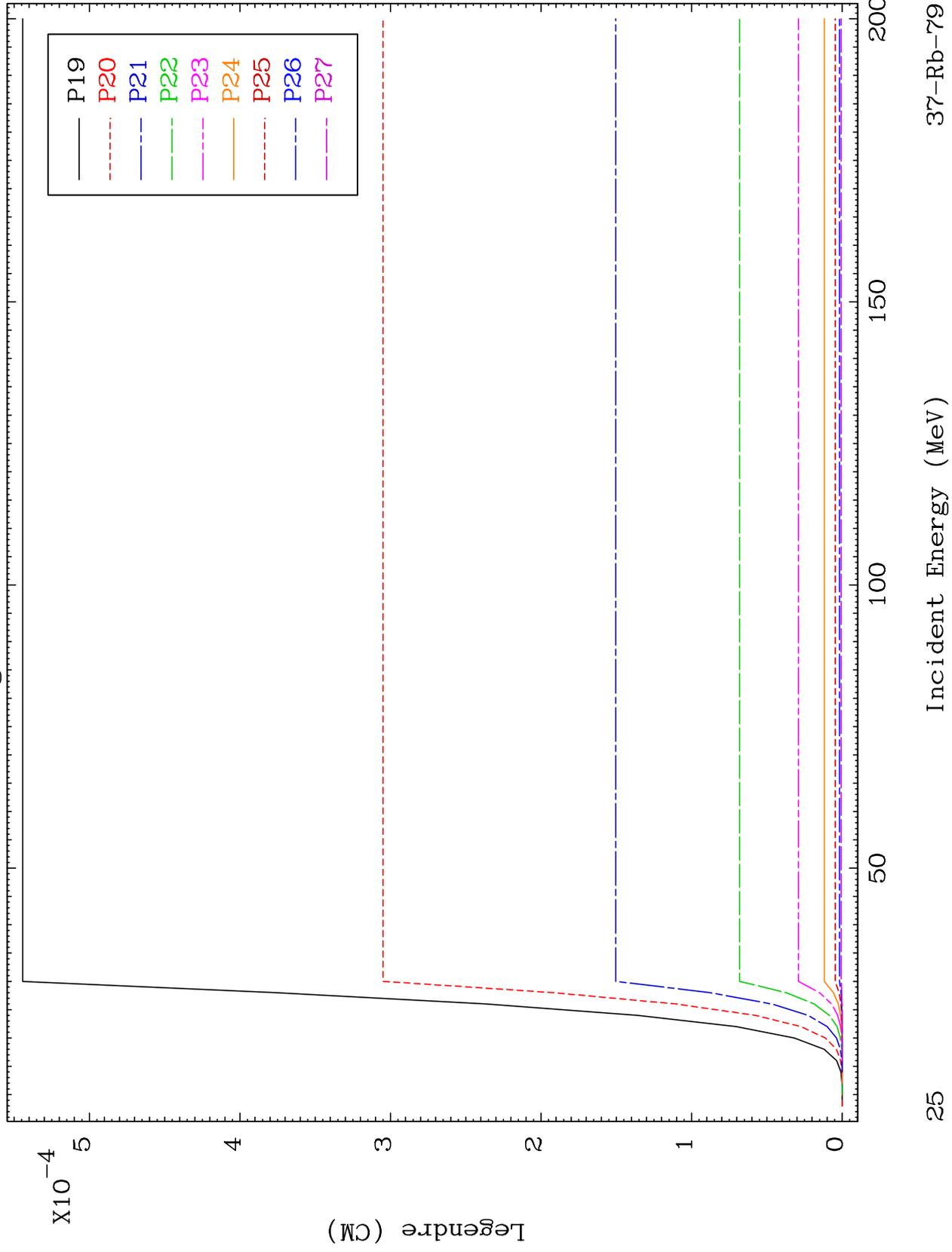
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



25

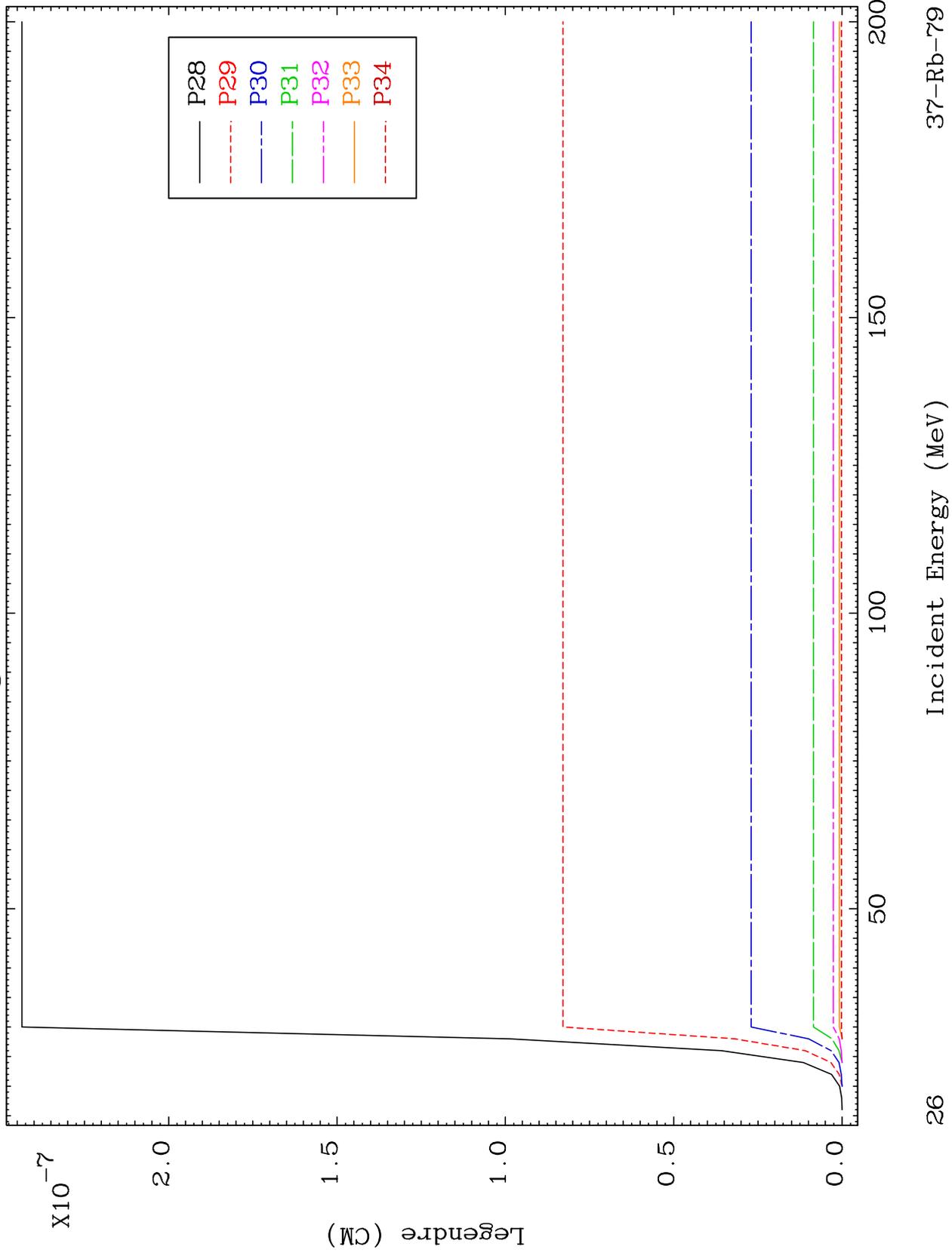
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



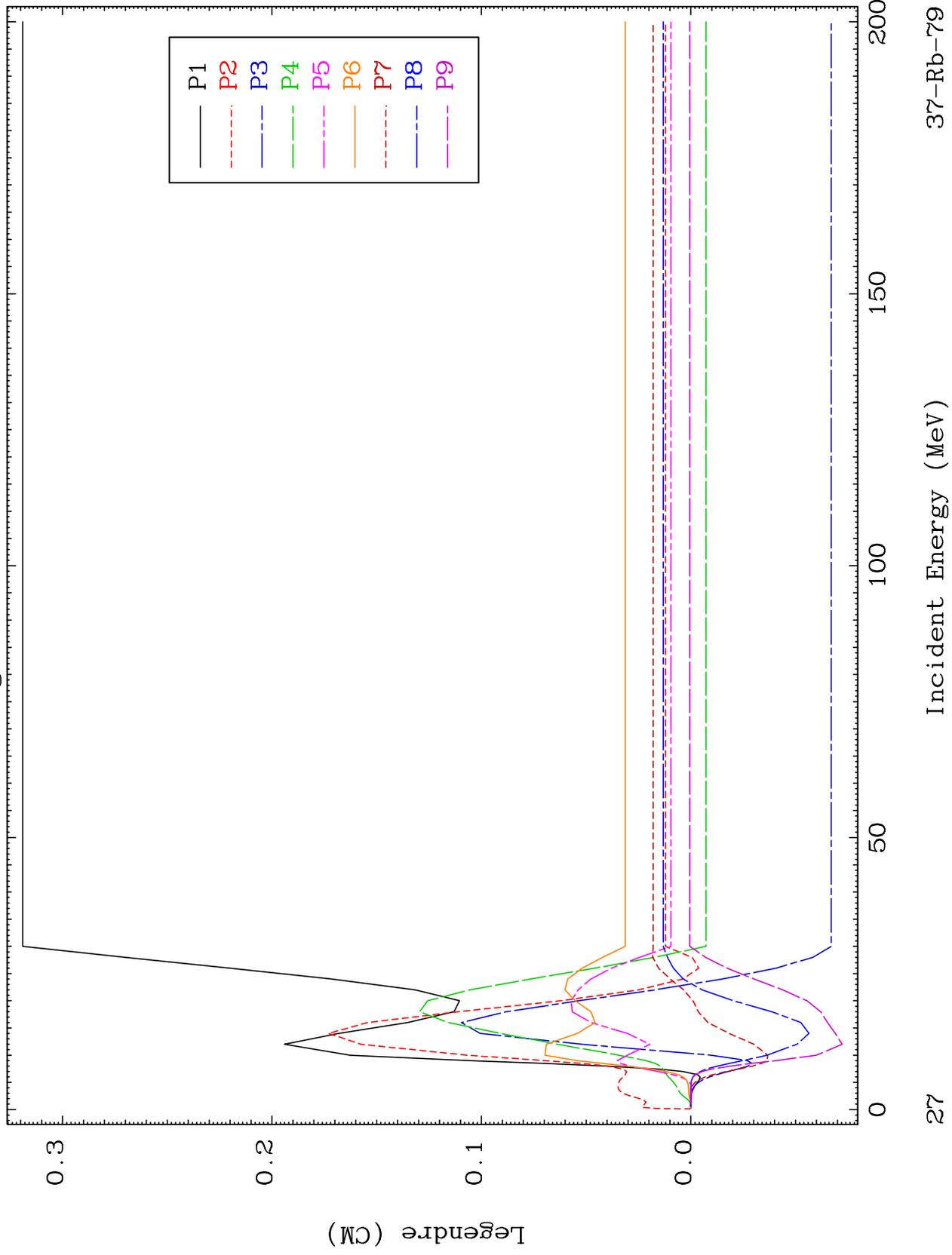
26

37-Rb-79

MAT 3707

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

37-Rb-79



27

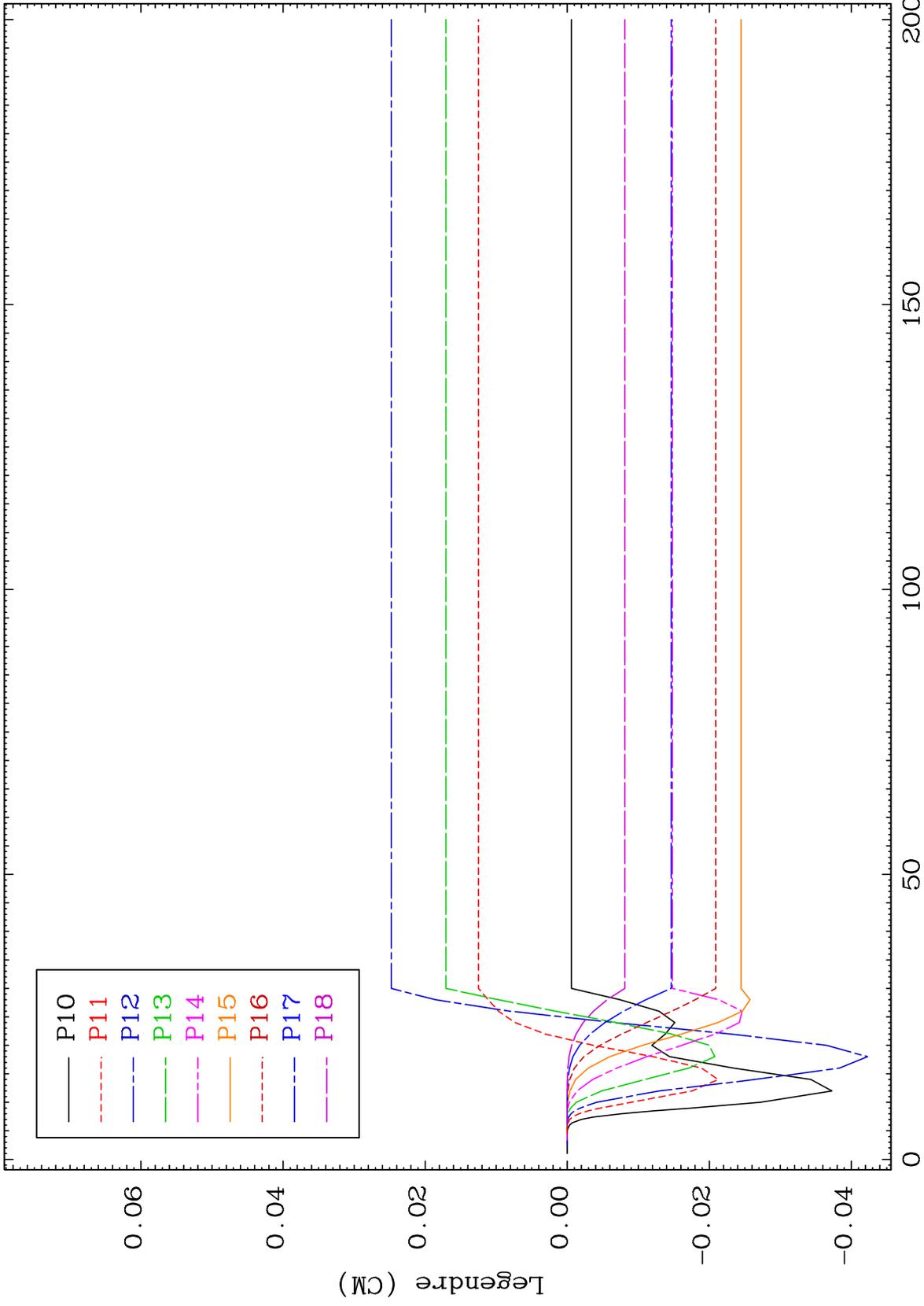
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



28

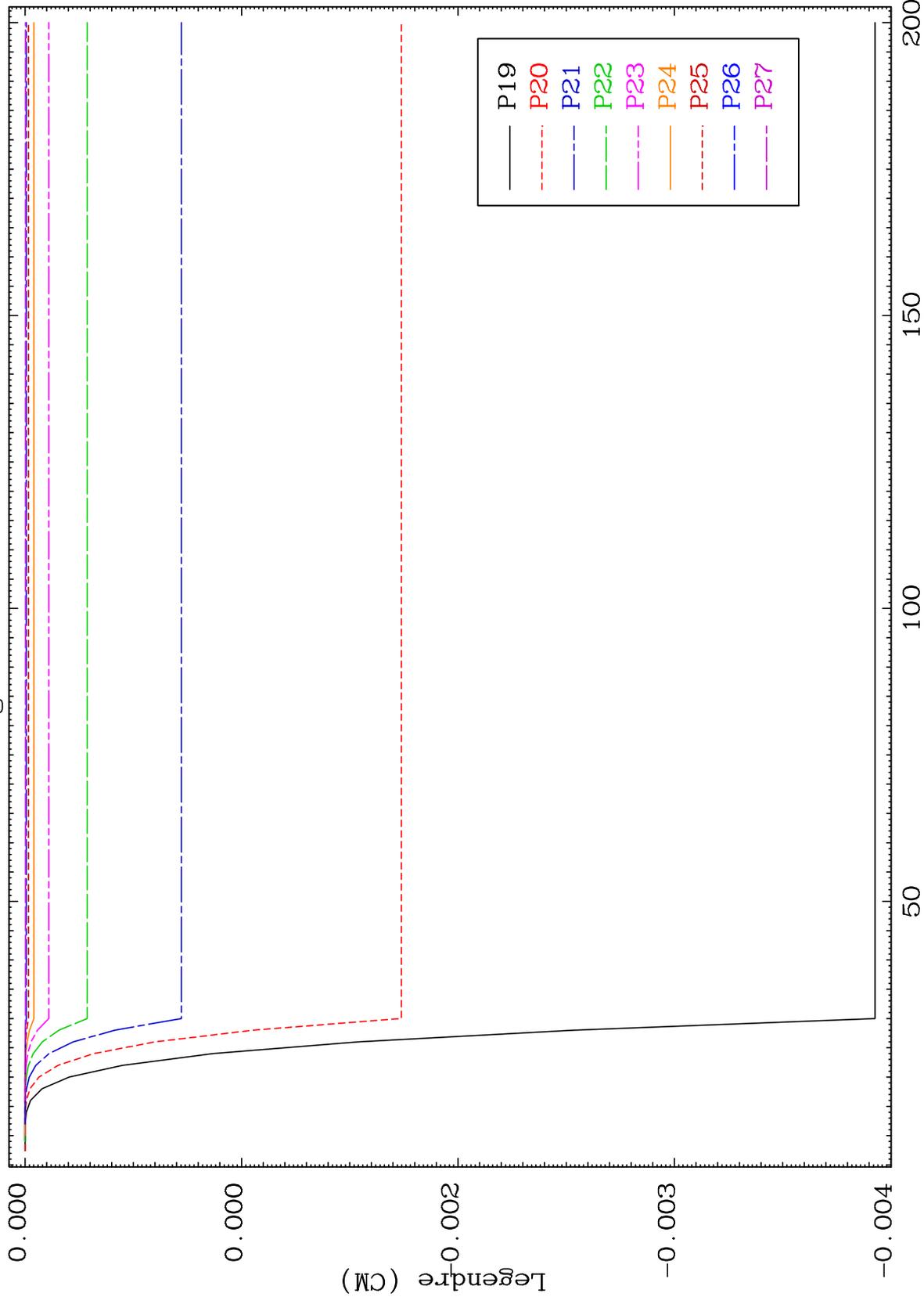
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

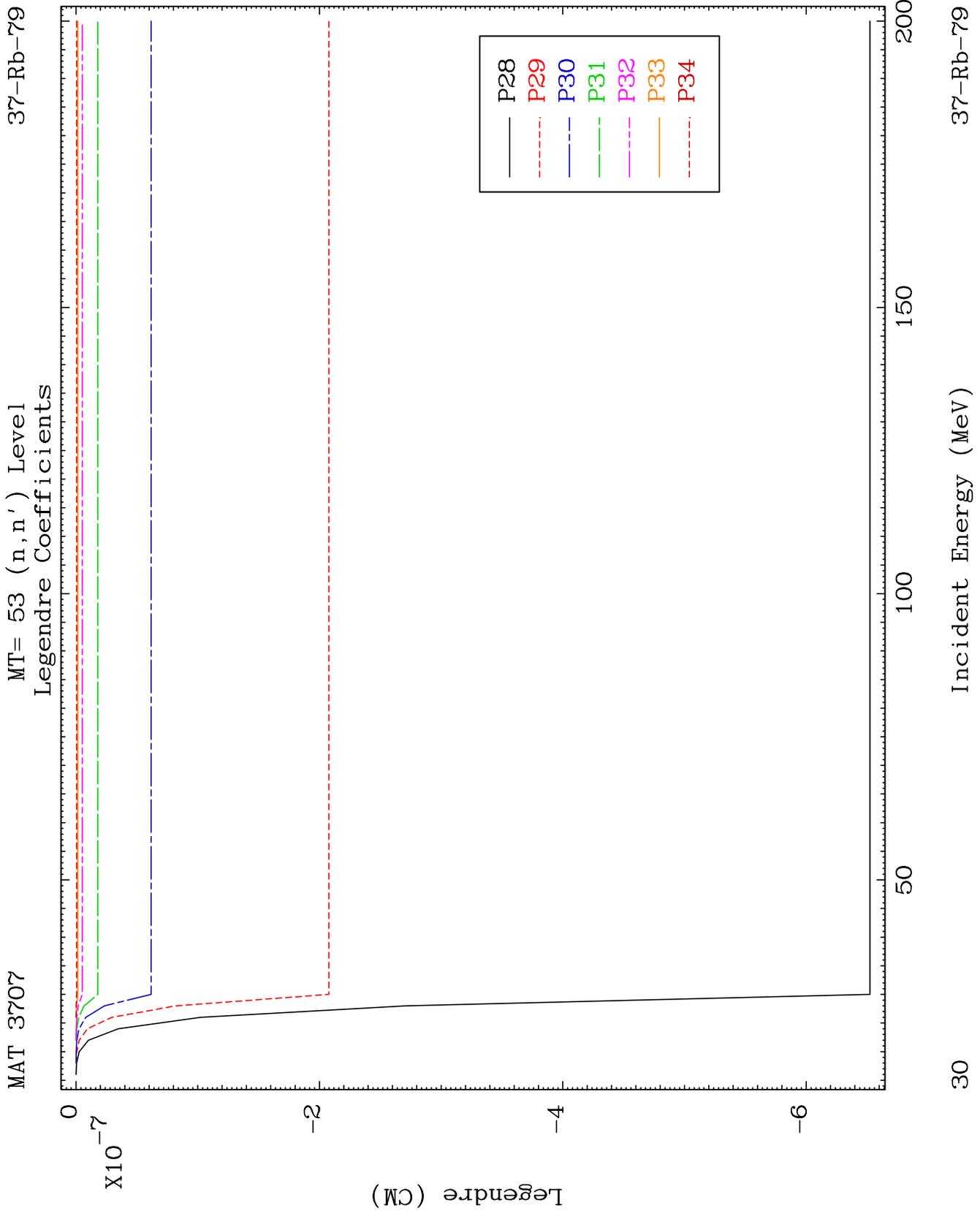
37-Rb-79



29

Incident Energy (MeV)

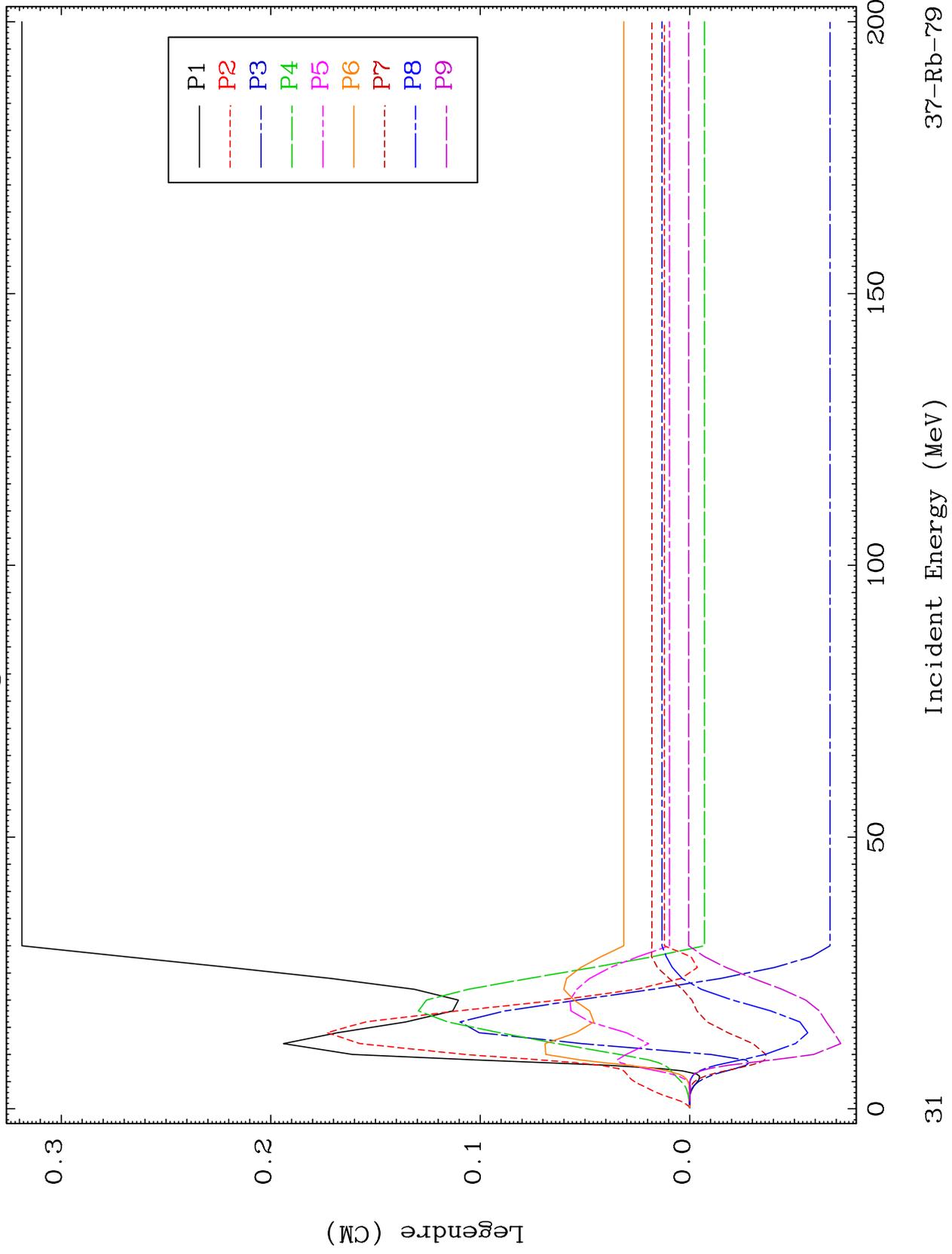
37-Rb-79



MAT 3707

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

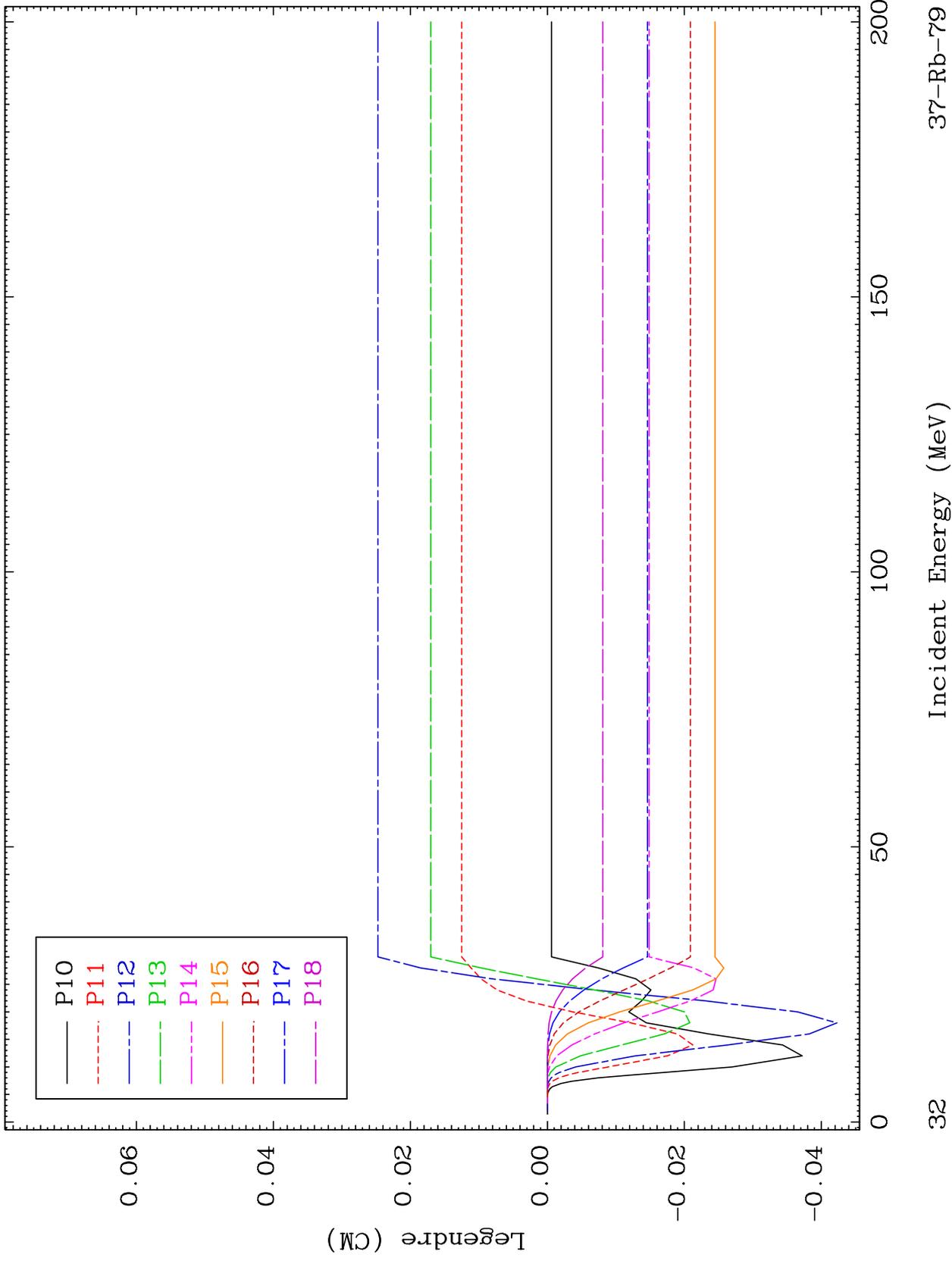
37-Rb-79



MAT 3707

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

37-Rb-79



37-Rb-79

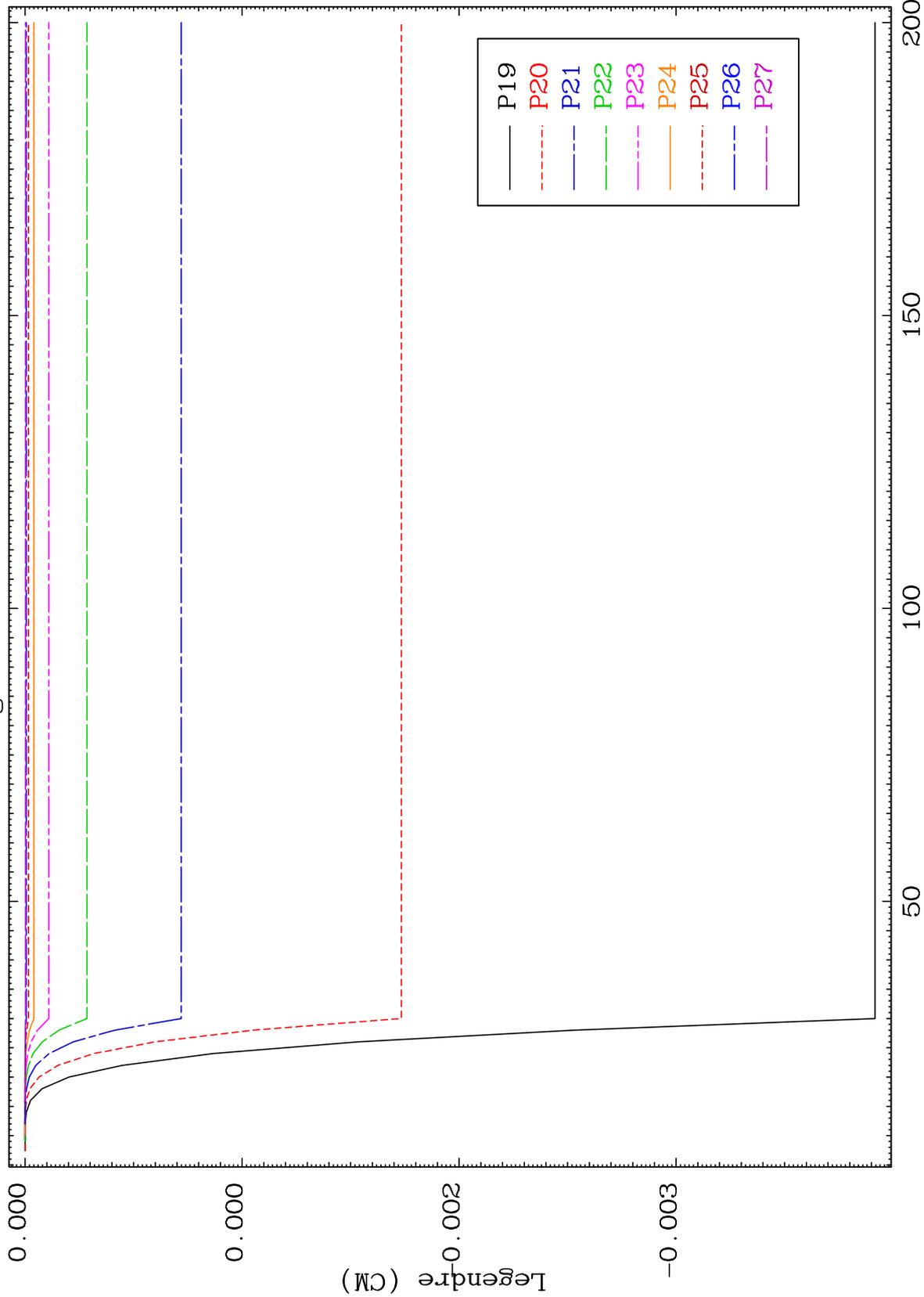
Incident Energy (MeV)

32

MAT 3707

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

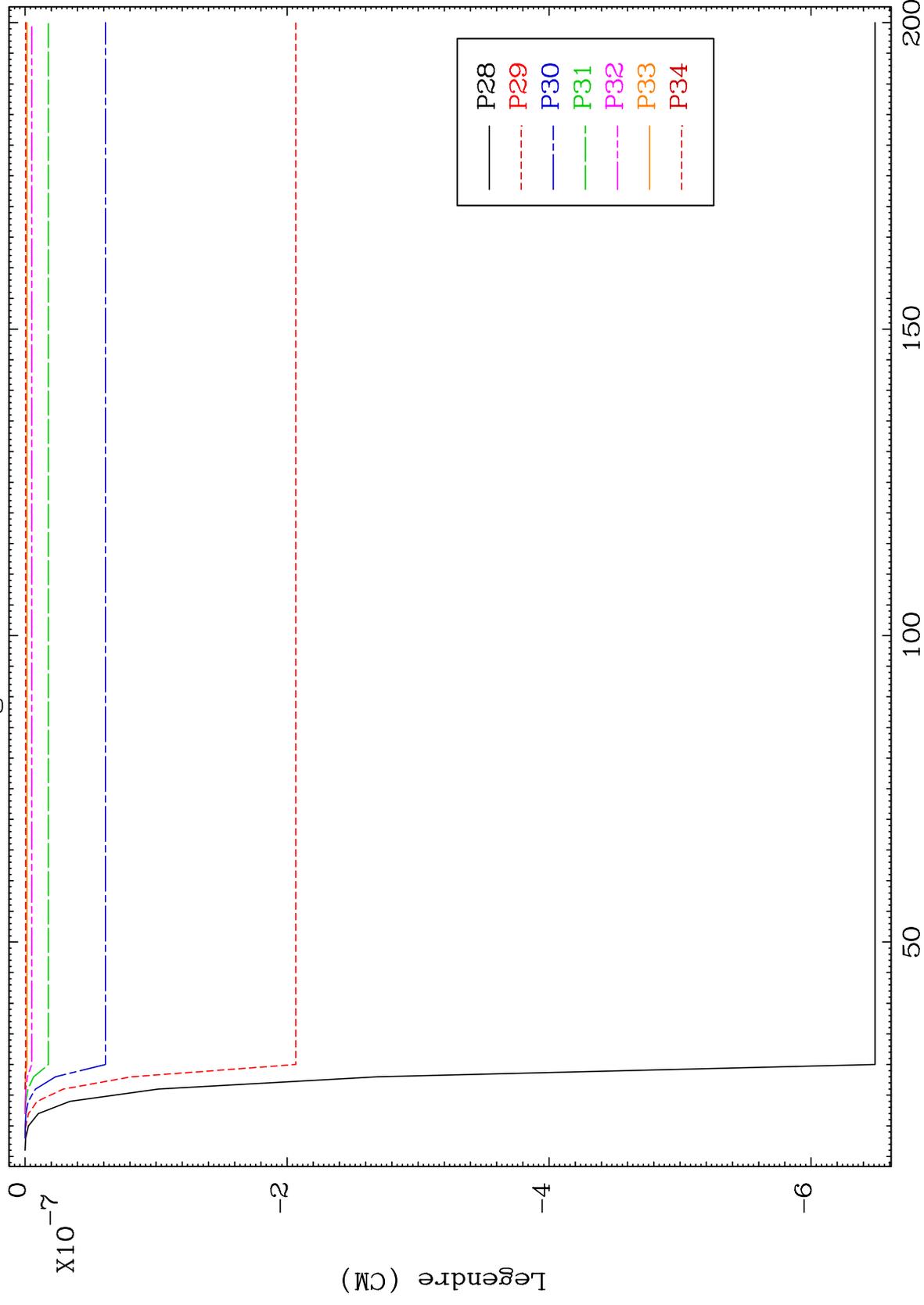
37-Rb-79



MAT 3707

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

37-Rb-79



34

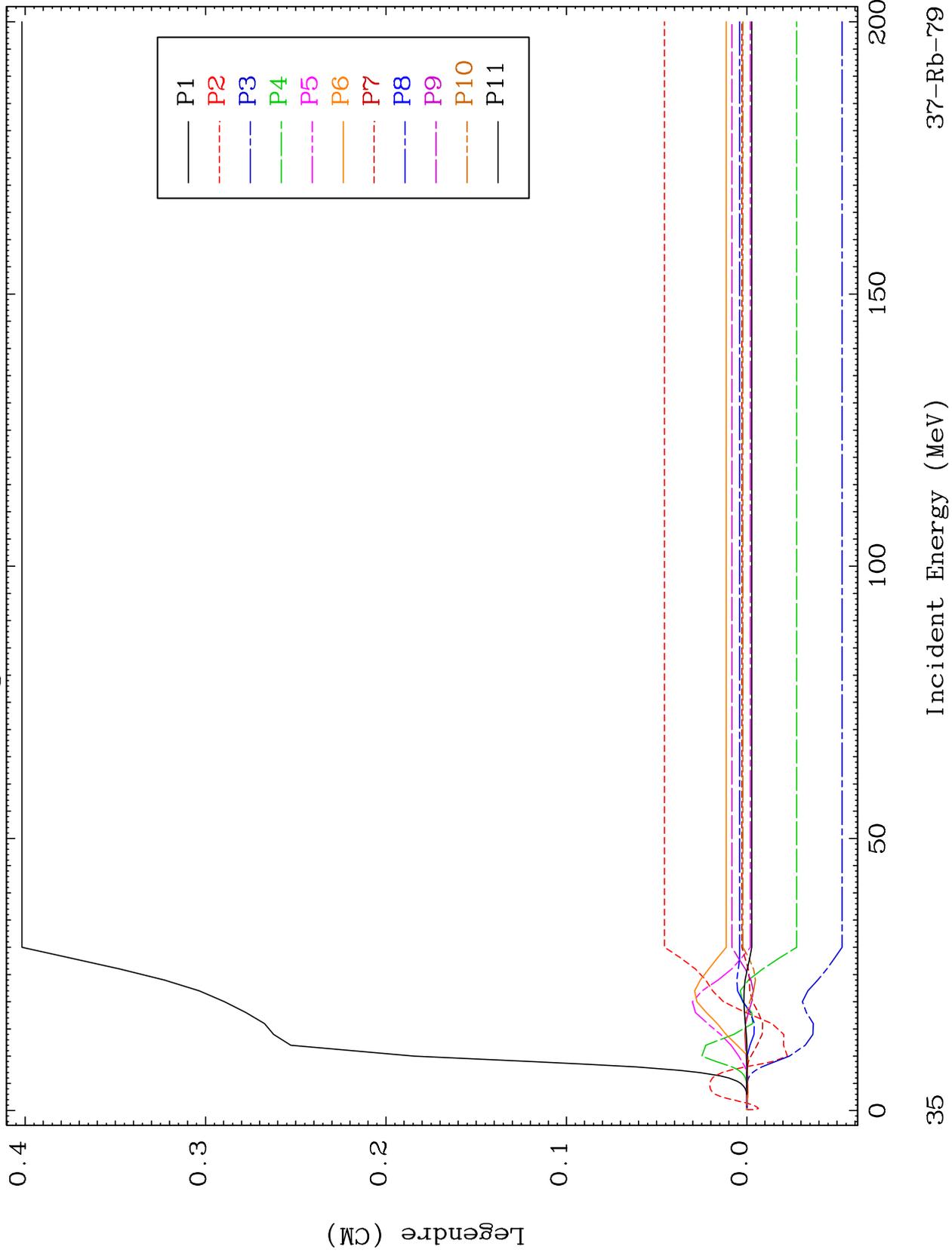
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

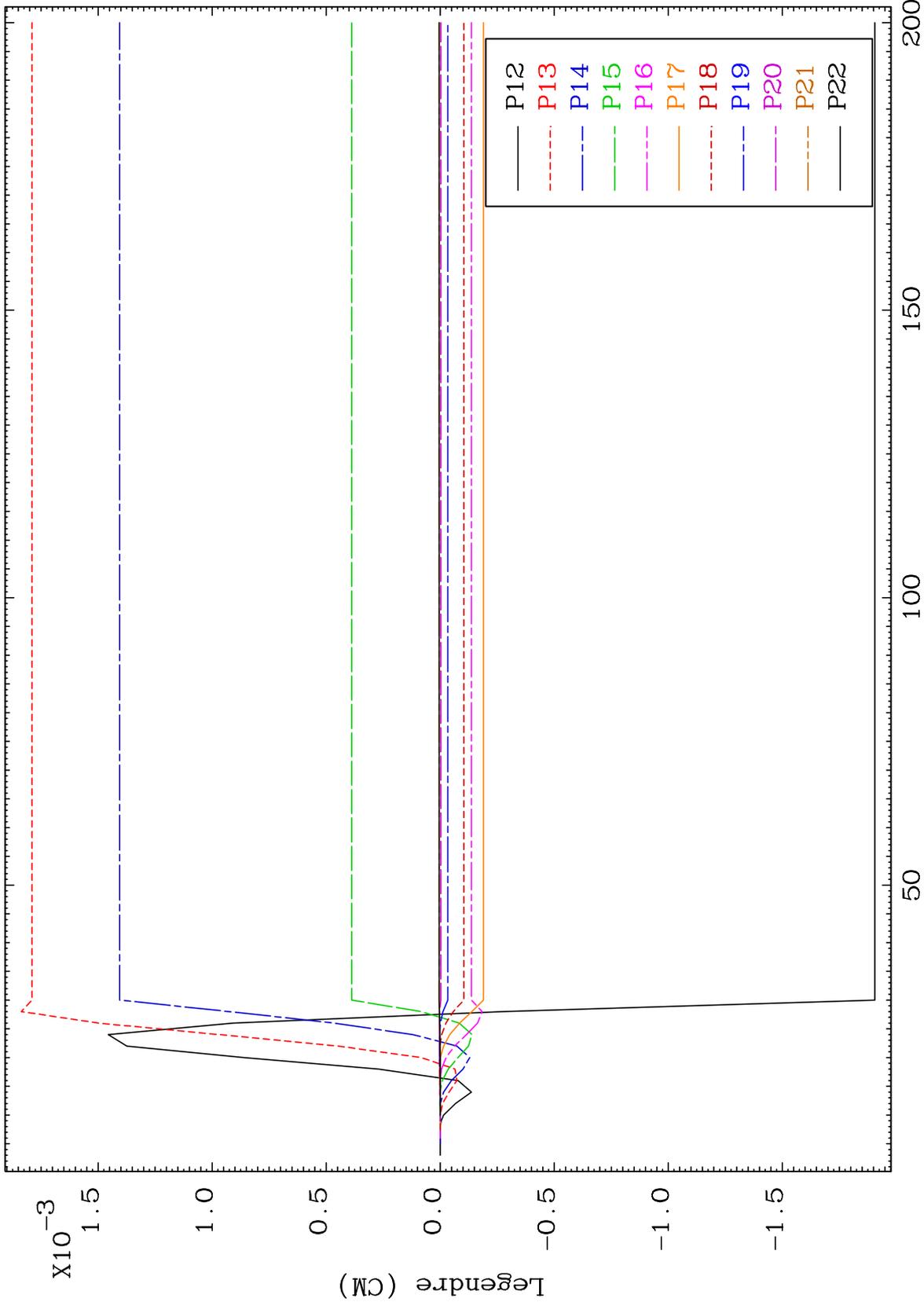
37-Rb-79



37-Rb-79

Incident Energy (MeV)

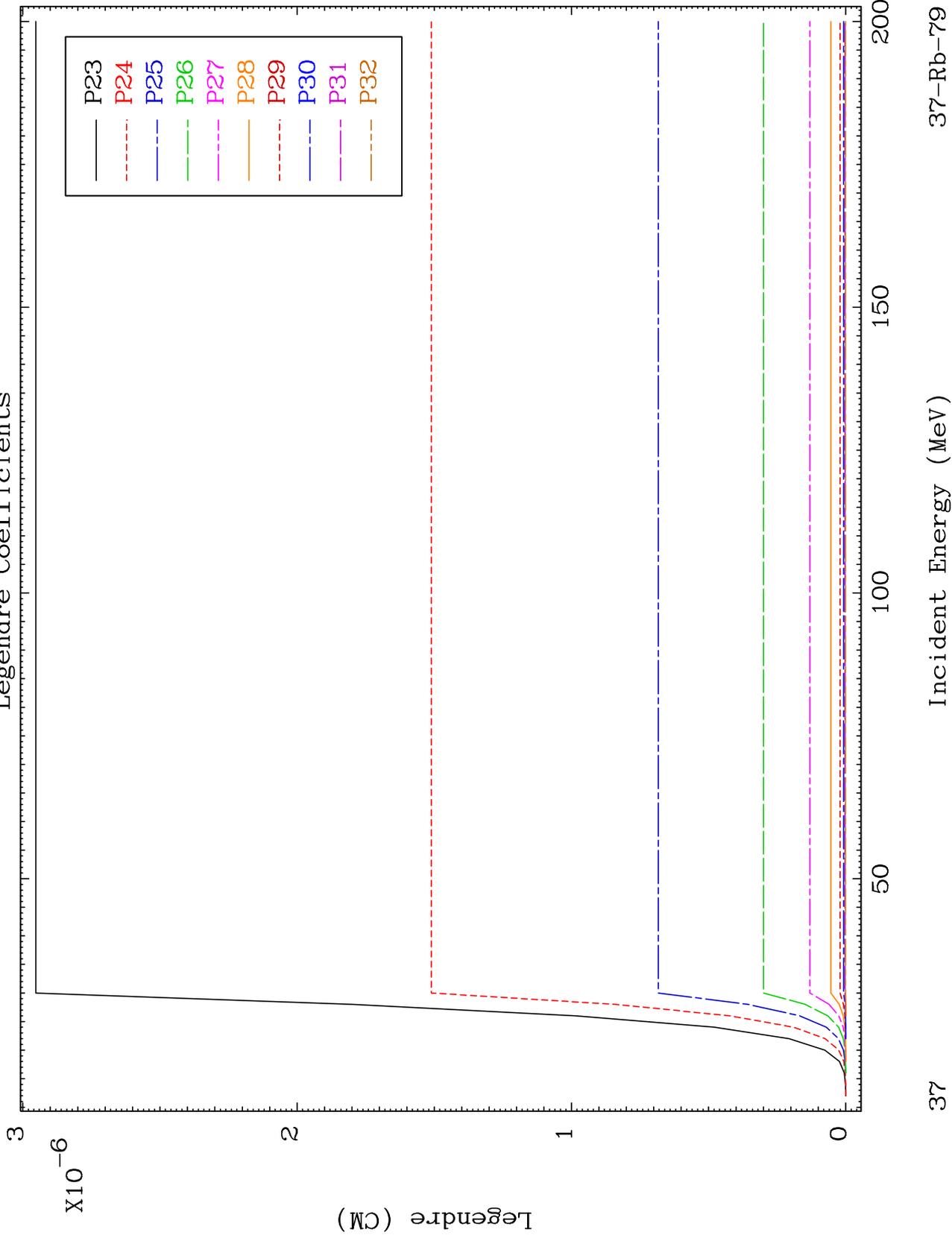
35



MAT 3707

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

37-Rb-79



37

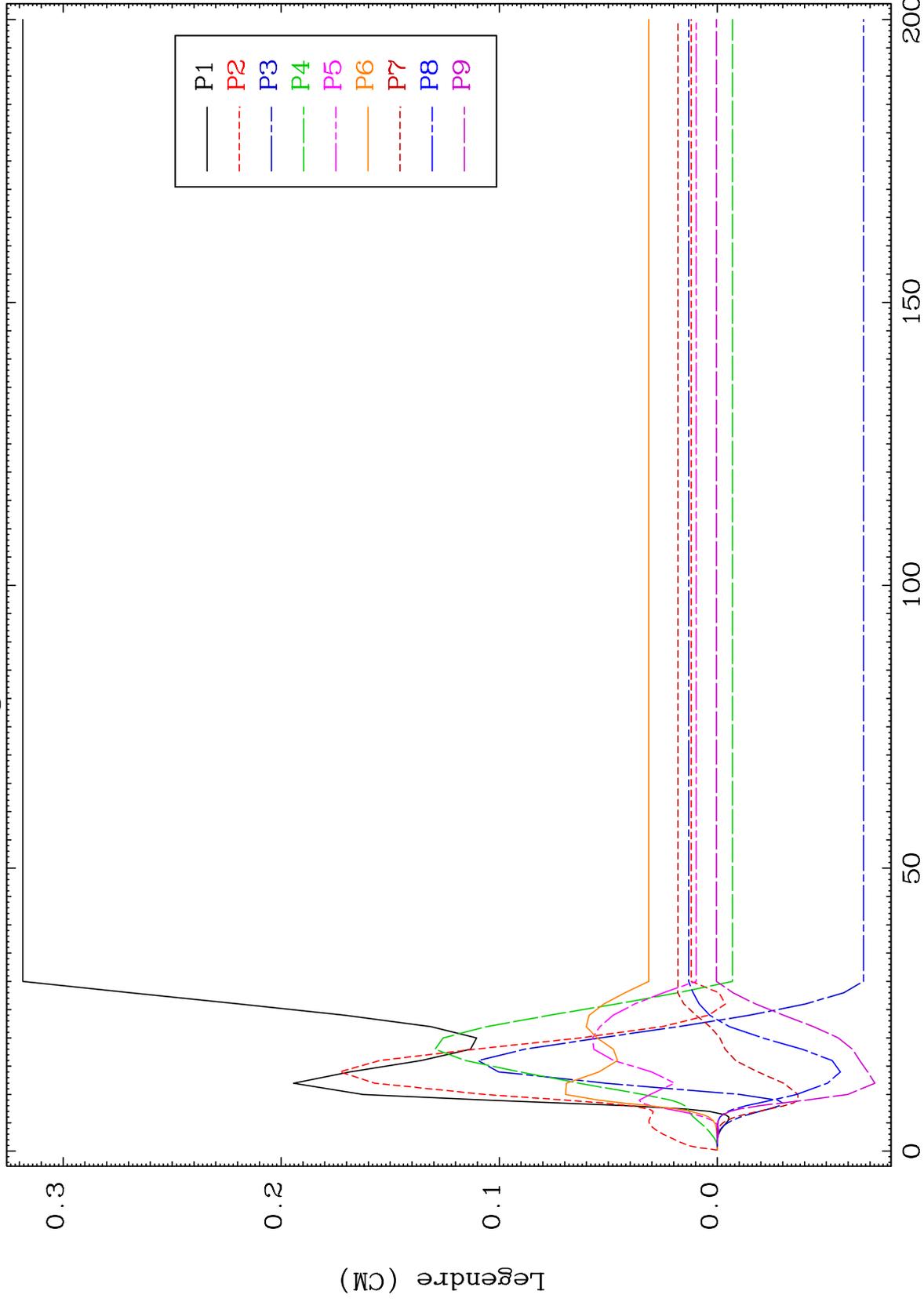
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



38

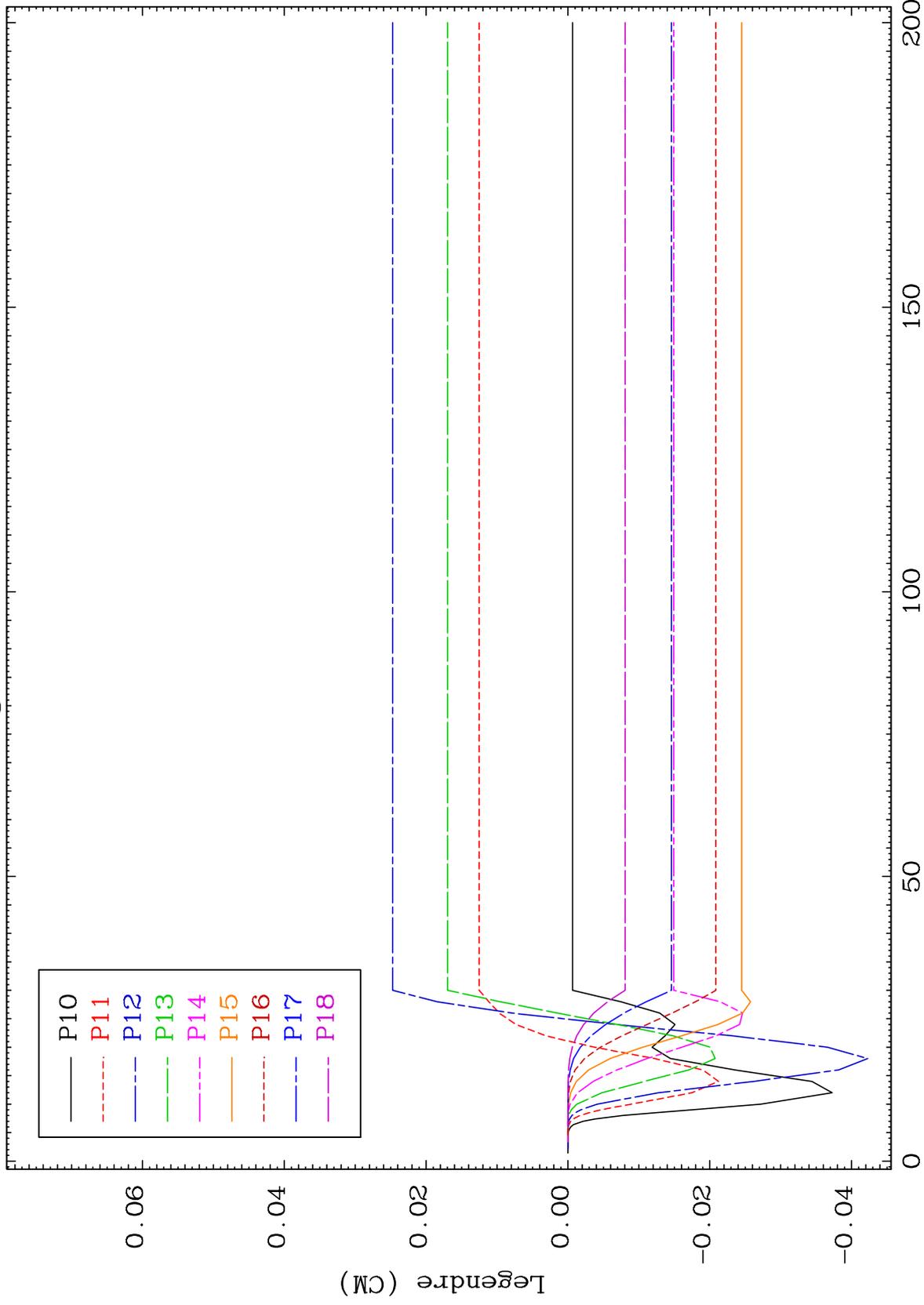
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

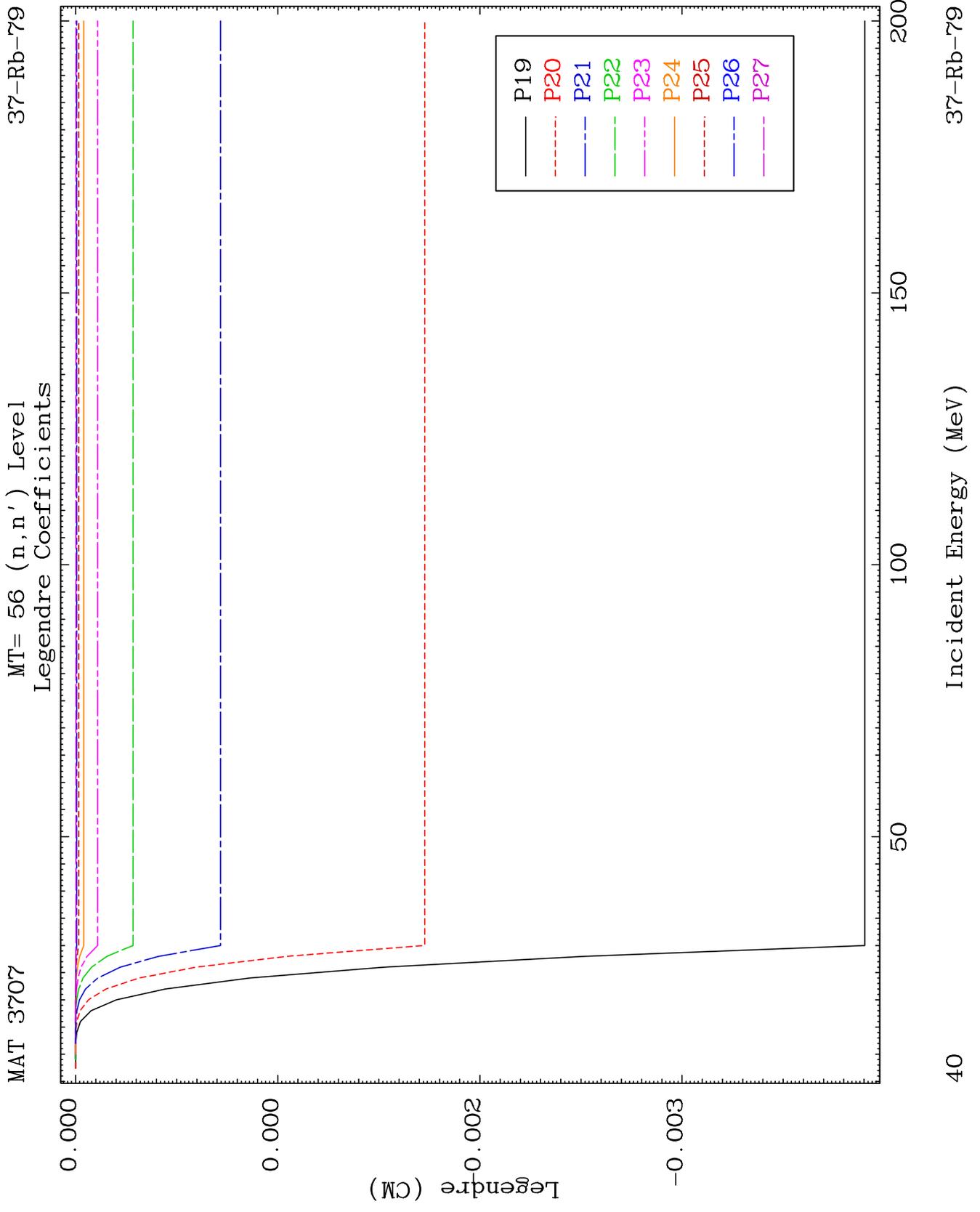
37-Rb-79



39

Incident Energy (MeV)

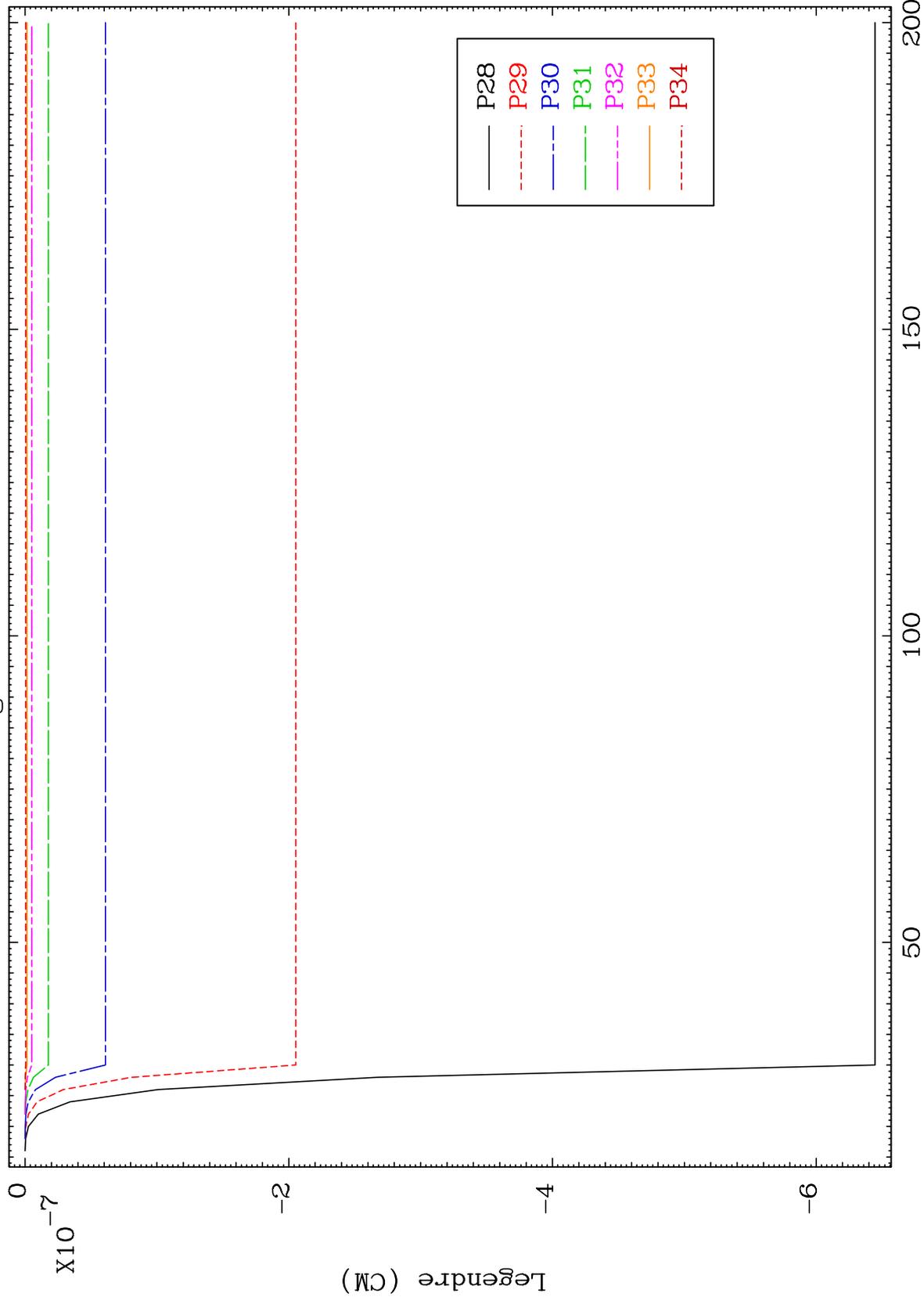
37-Rb-79



MAT 3707

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

37-Rb-79



41

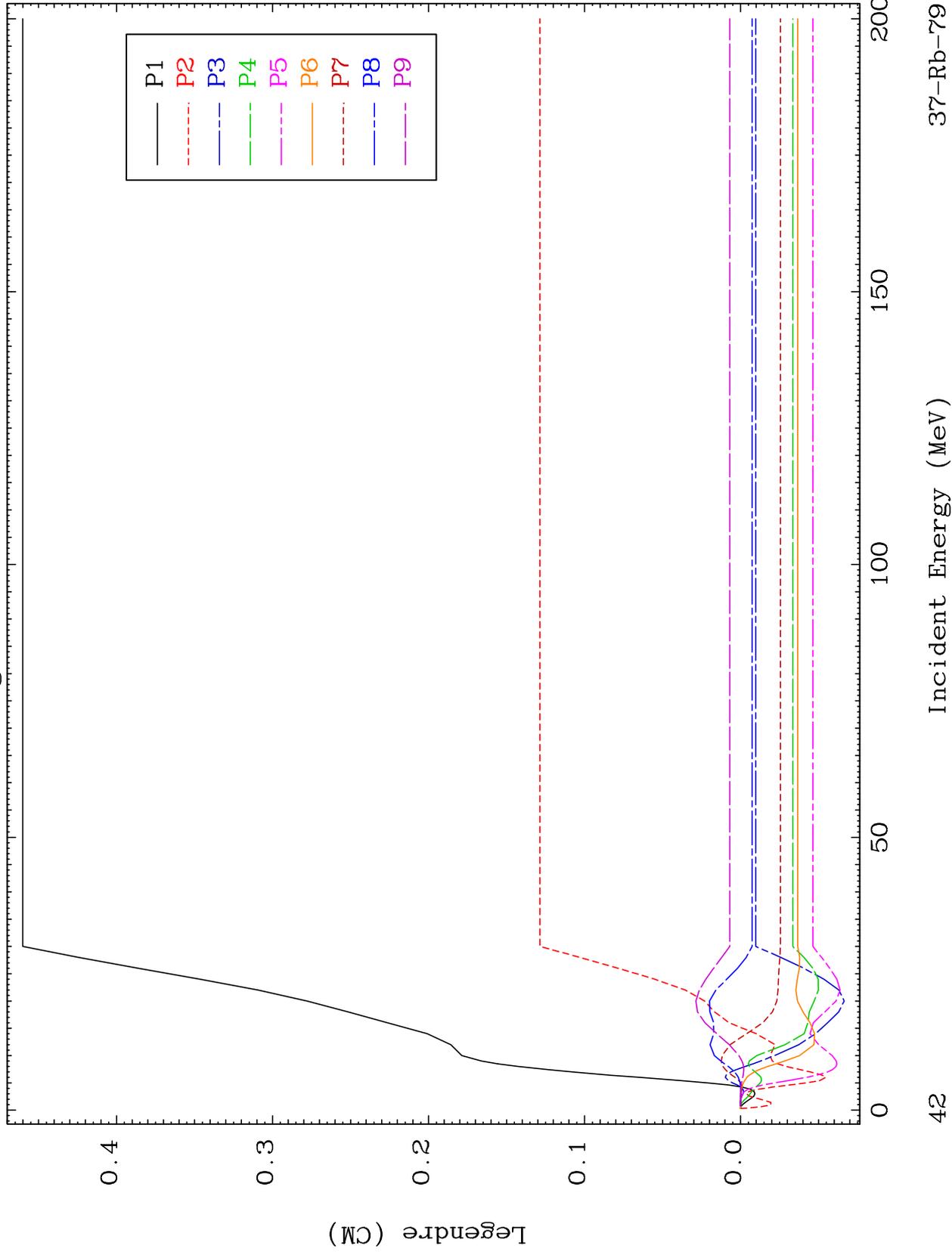
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



37-Rb-79

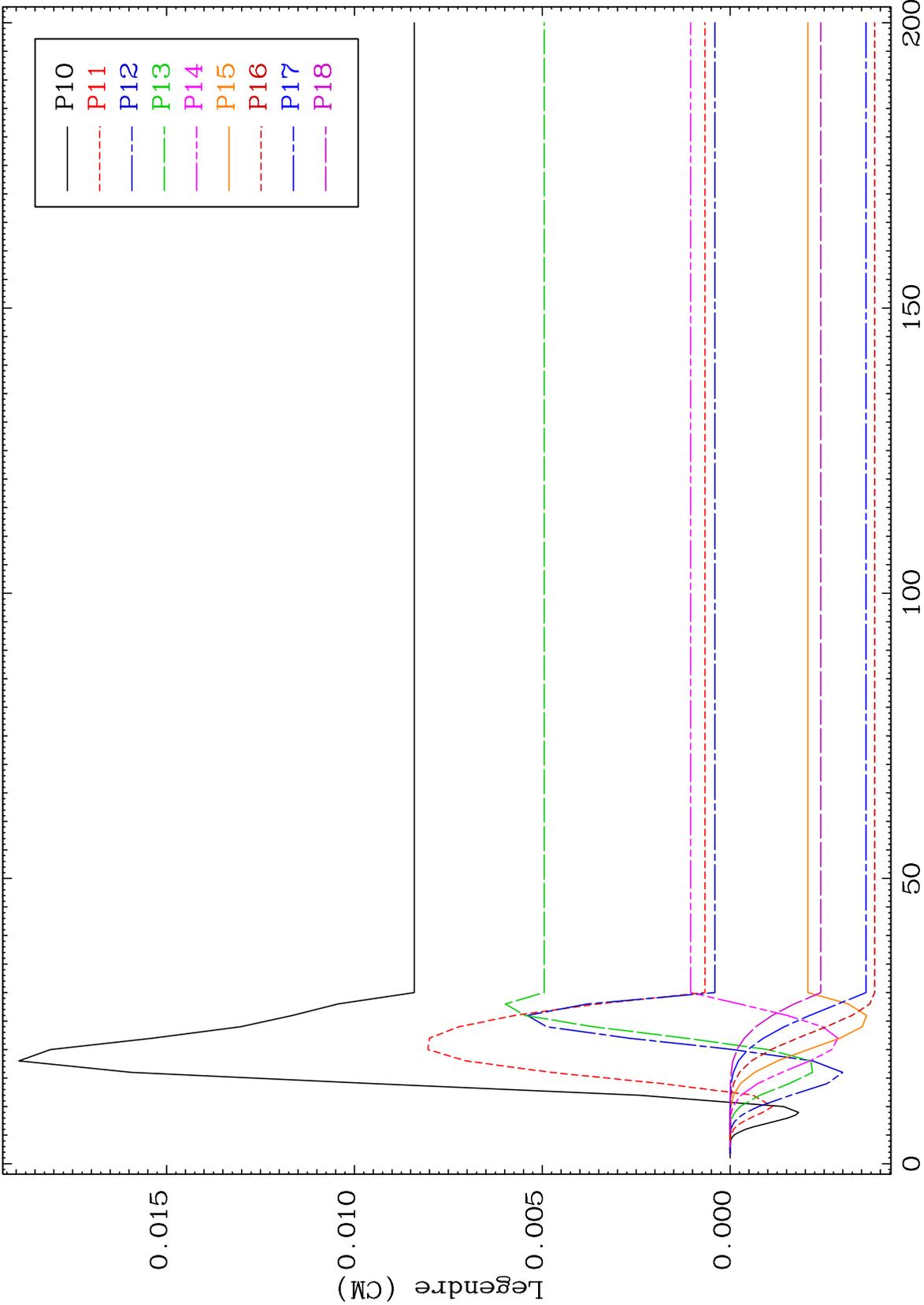
Incident Energy (MeV)

42

MAT 3707

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

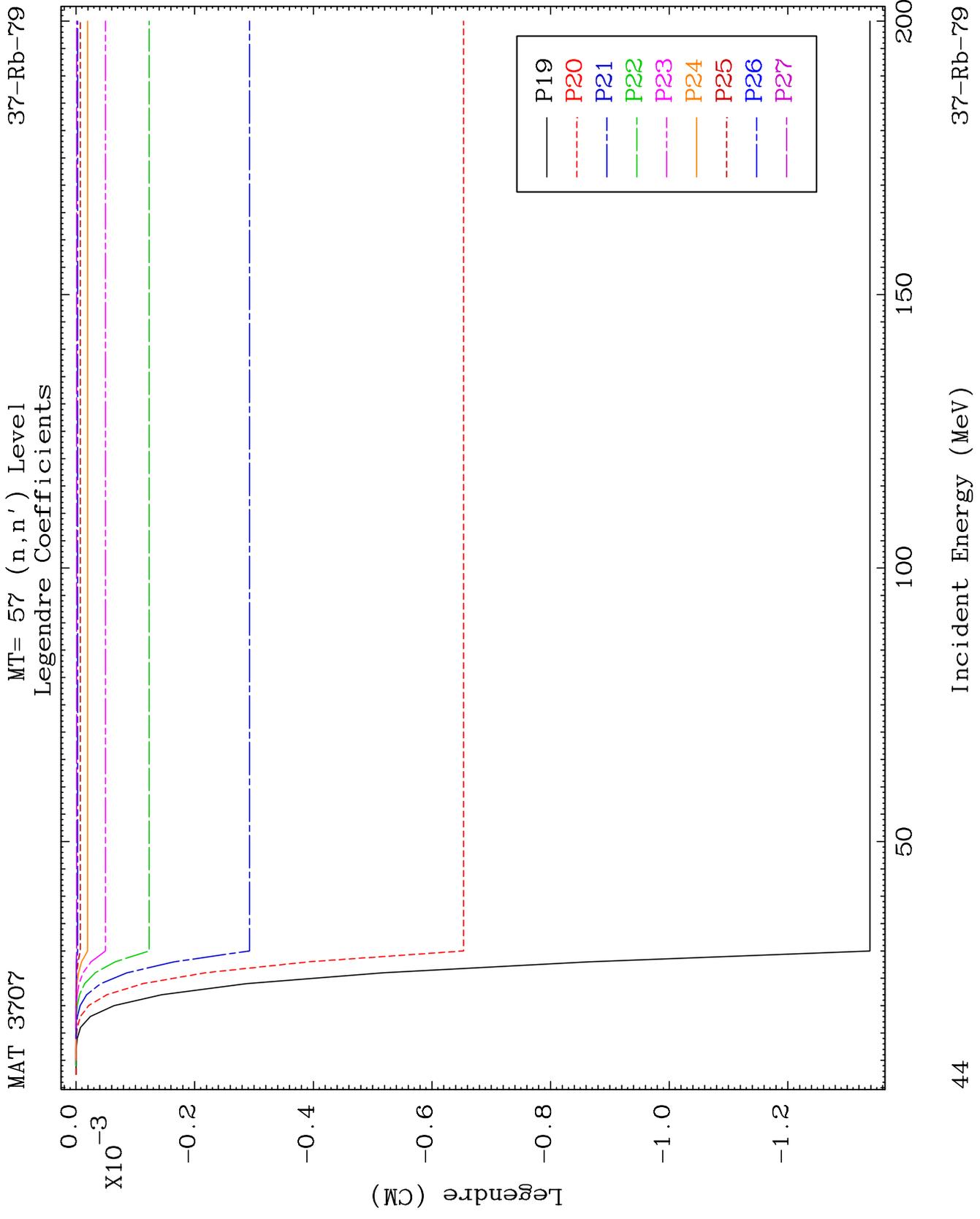
37-Rb-79

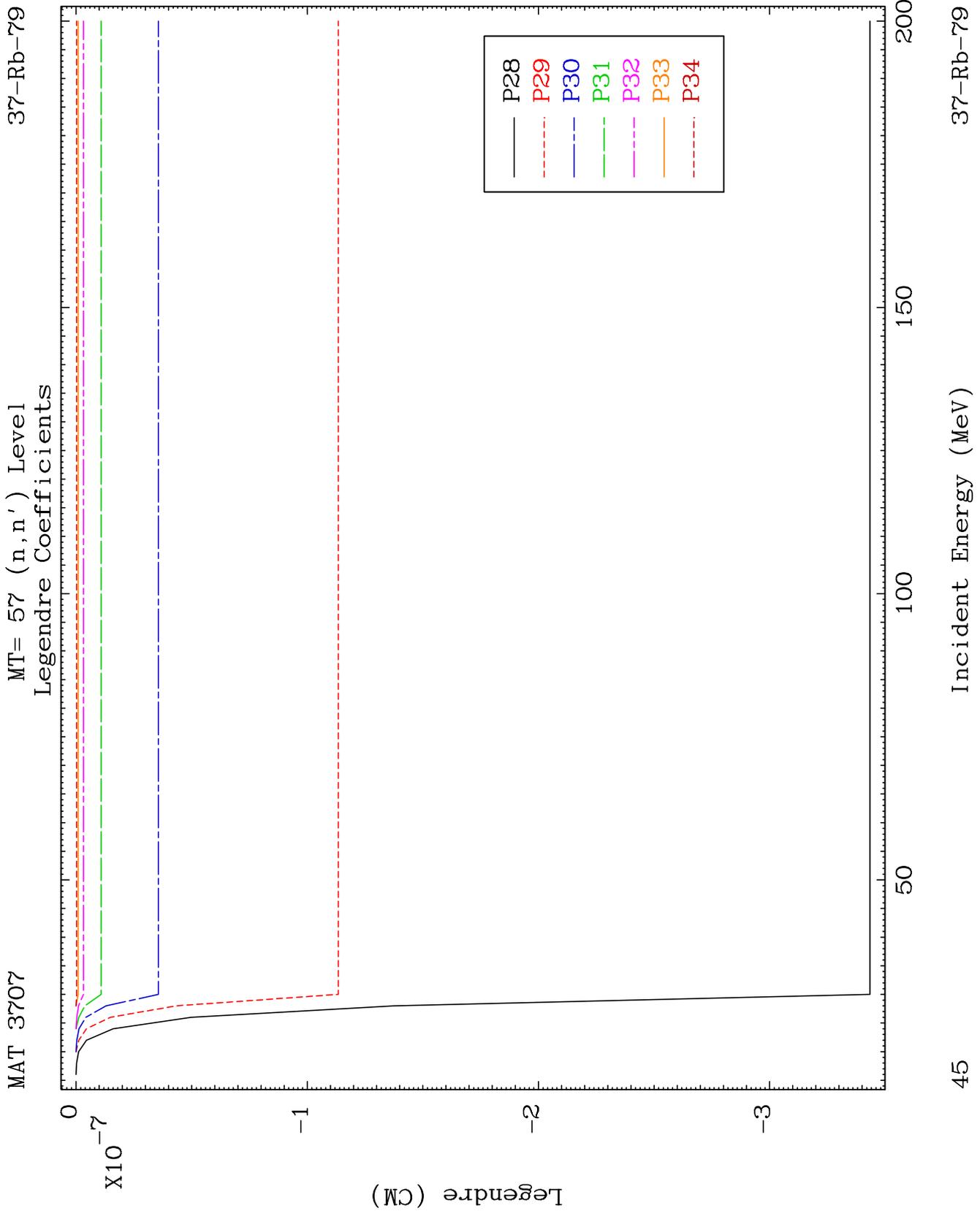


43

Incident Energy (MeV)

37-Rb-79

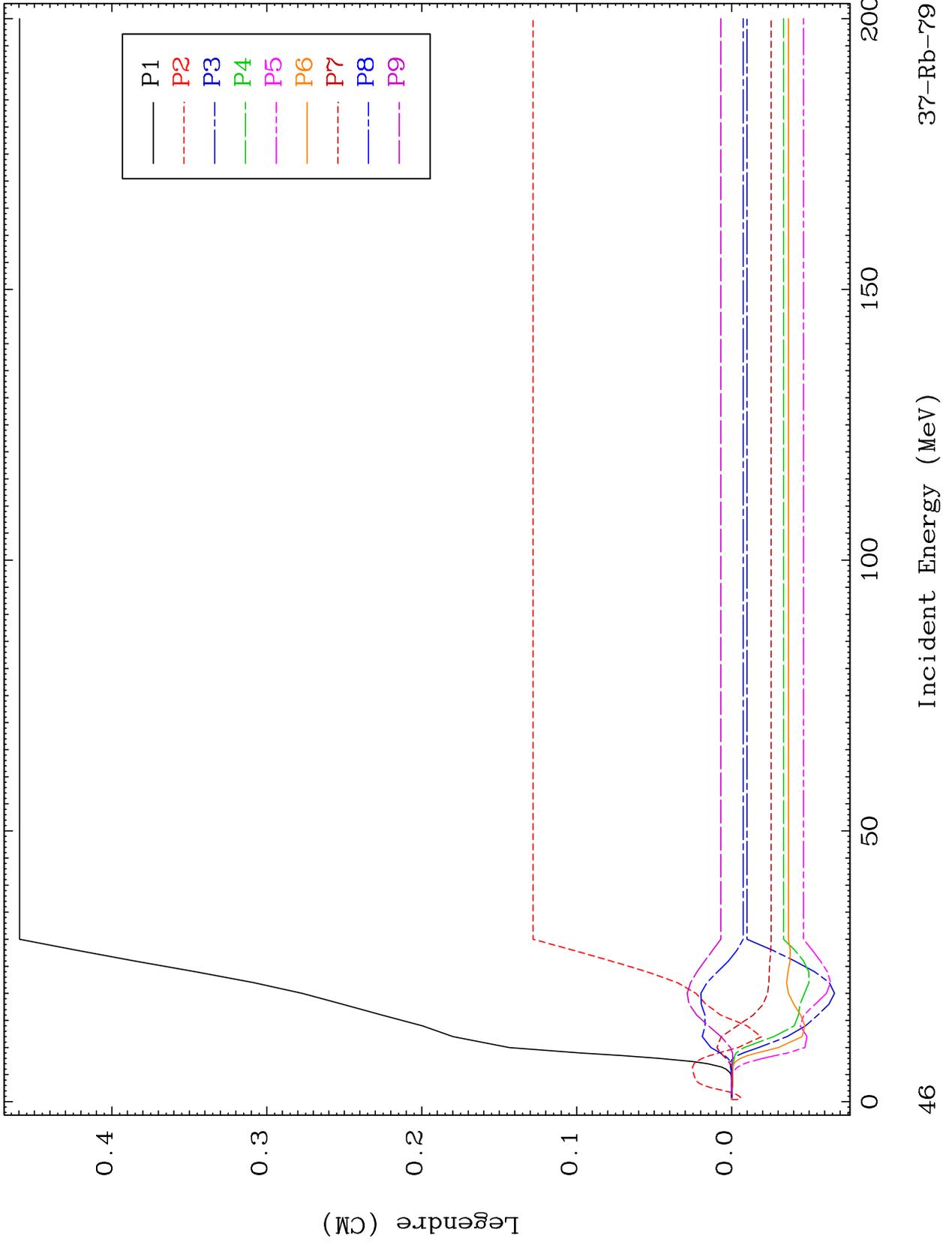




MAT 3707

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

37-Rb-79



46

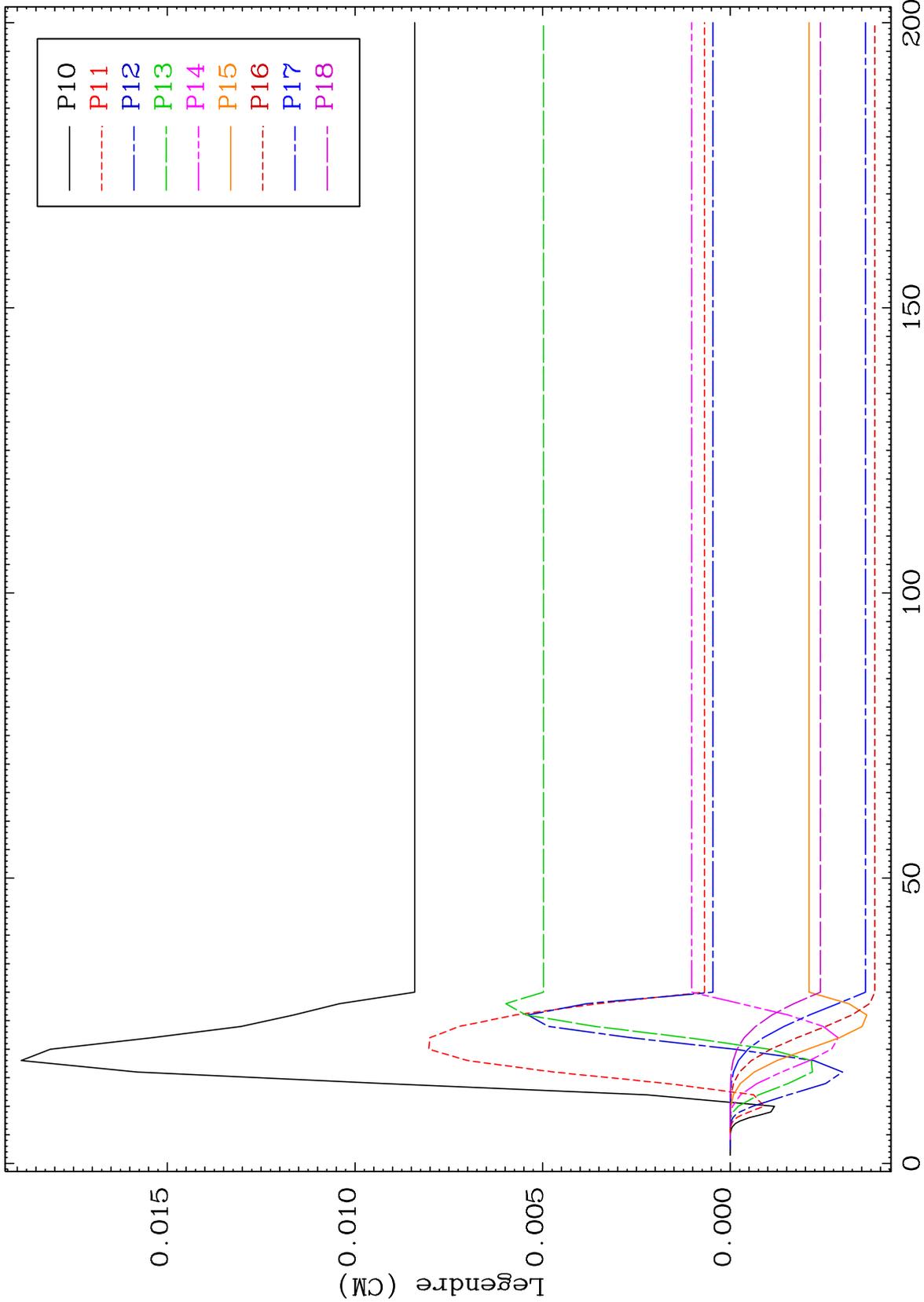
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



47

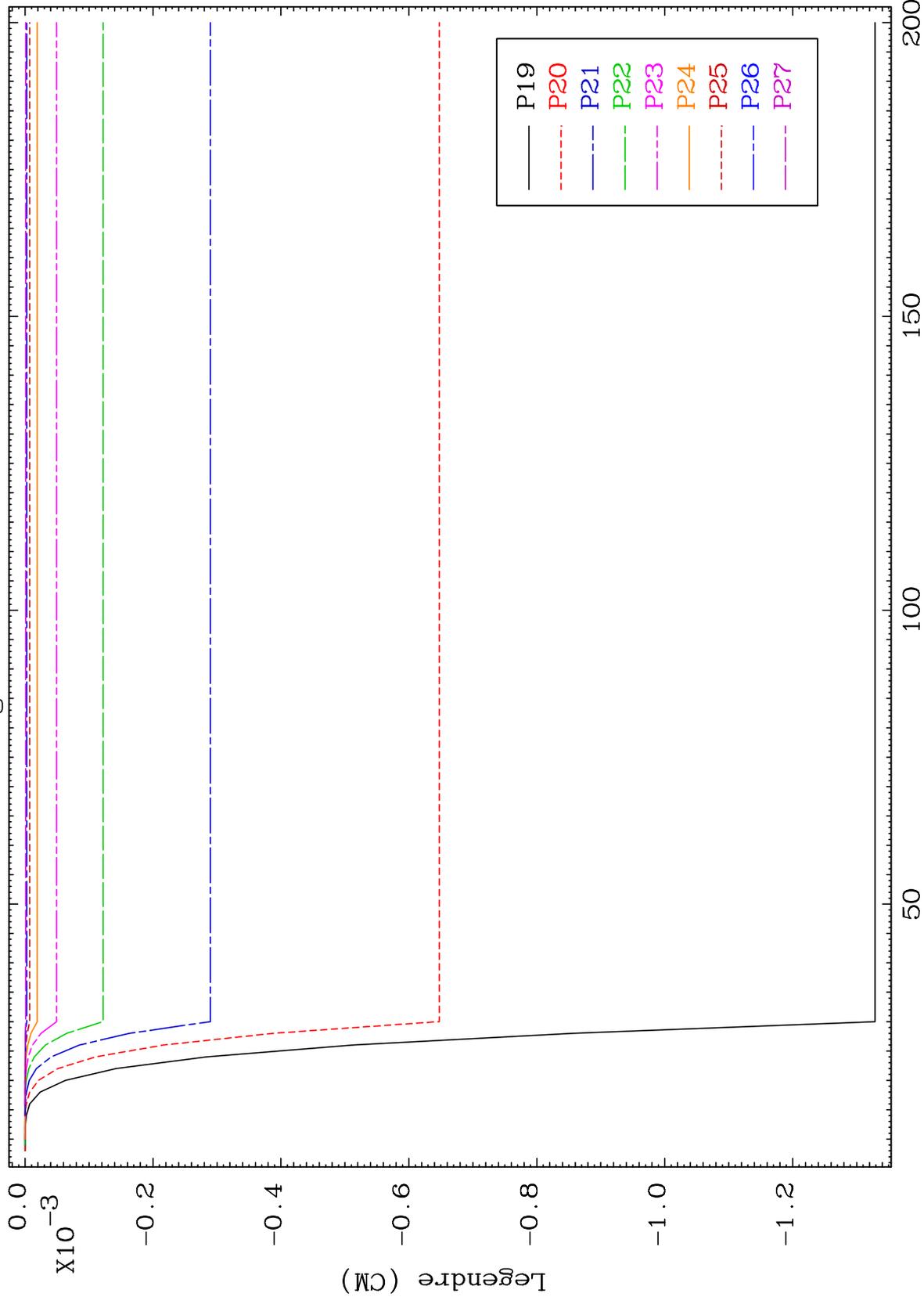
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

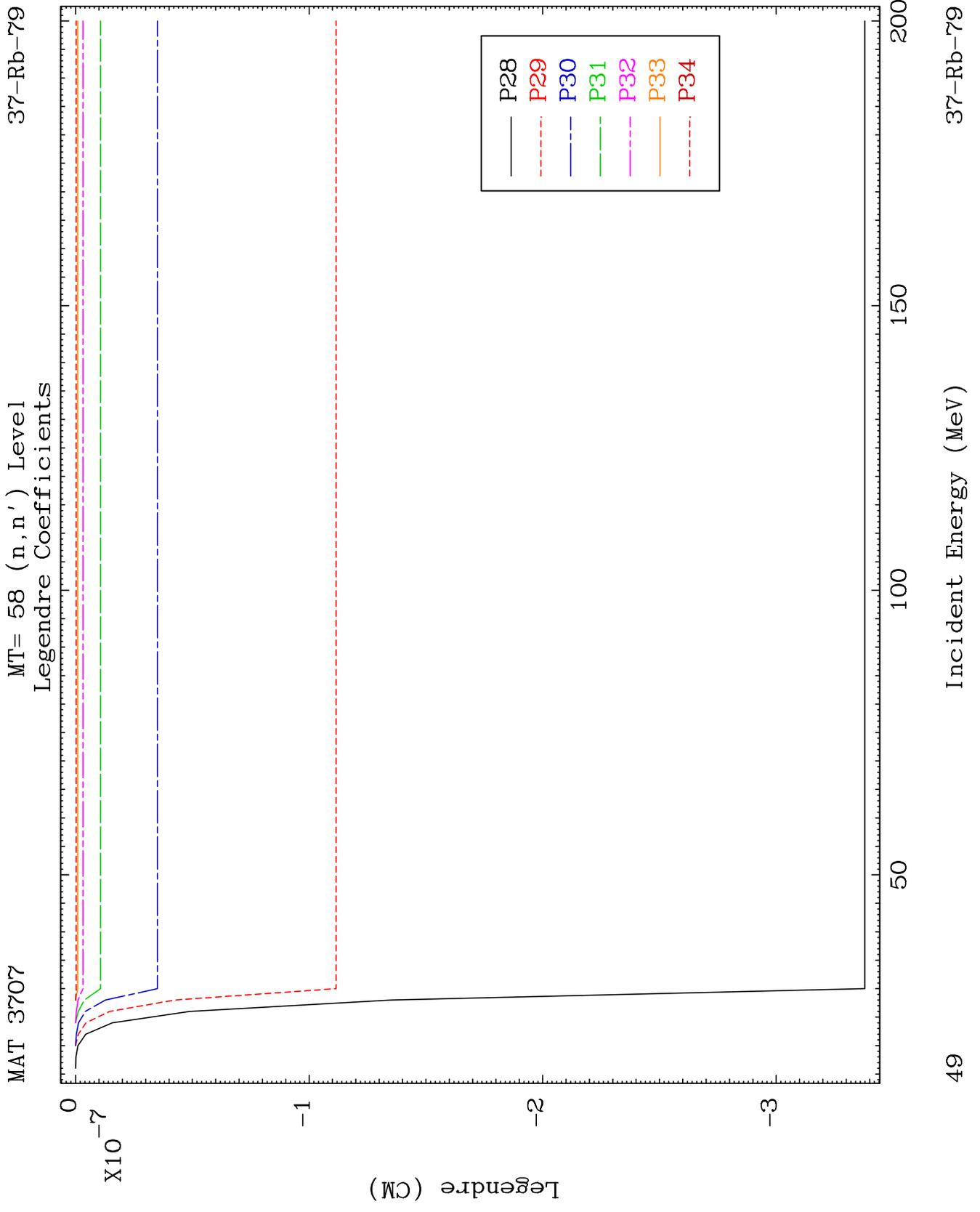
37-Rb-79



48

Incident Energy (MeV)

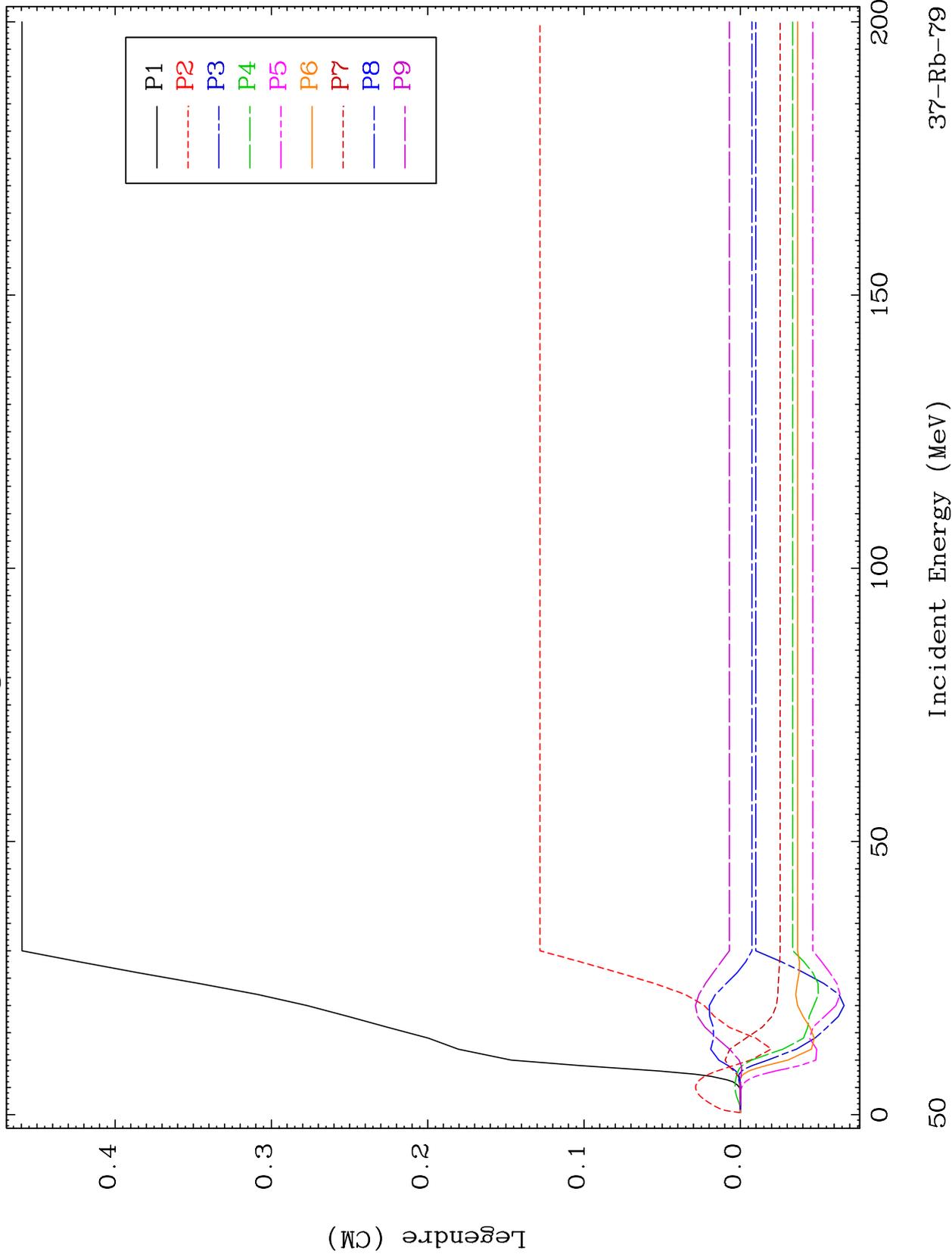
37-Rb-79



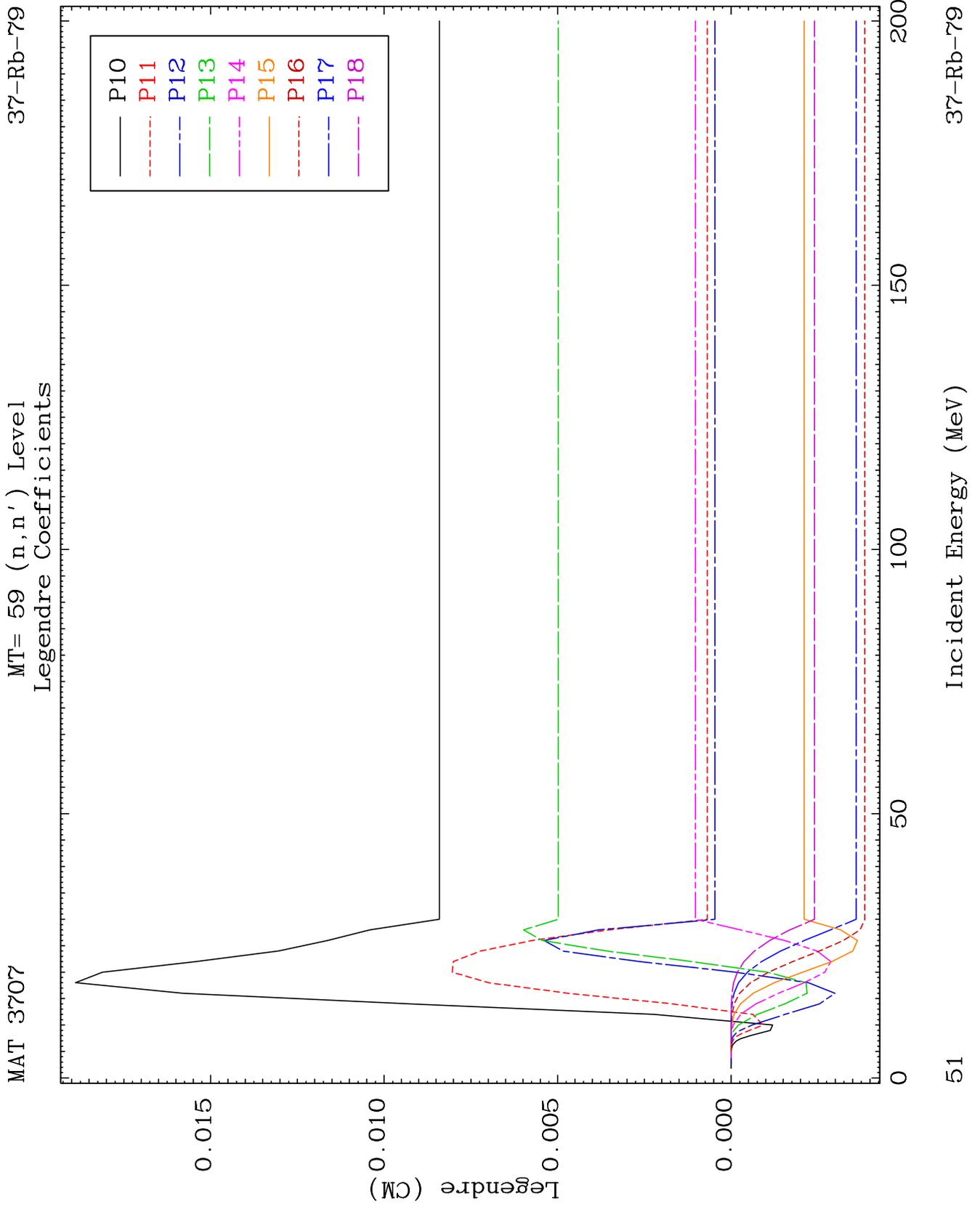
MAT 3707

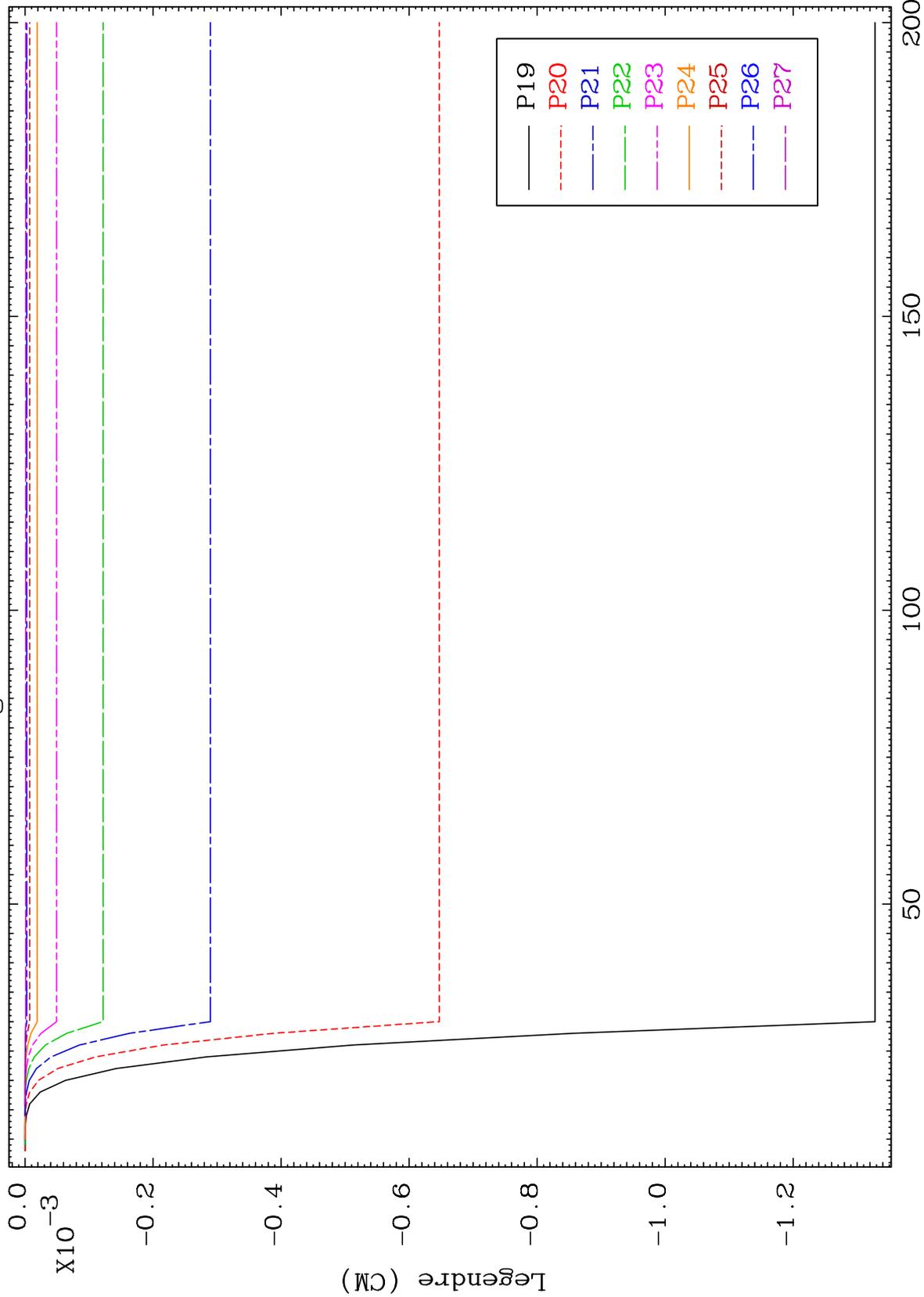
MT= 59 (n,n') Level  
Legendre Coefficients

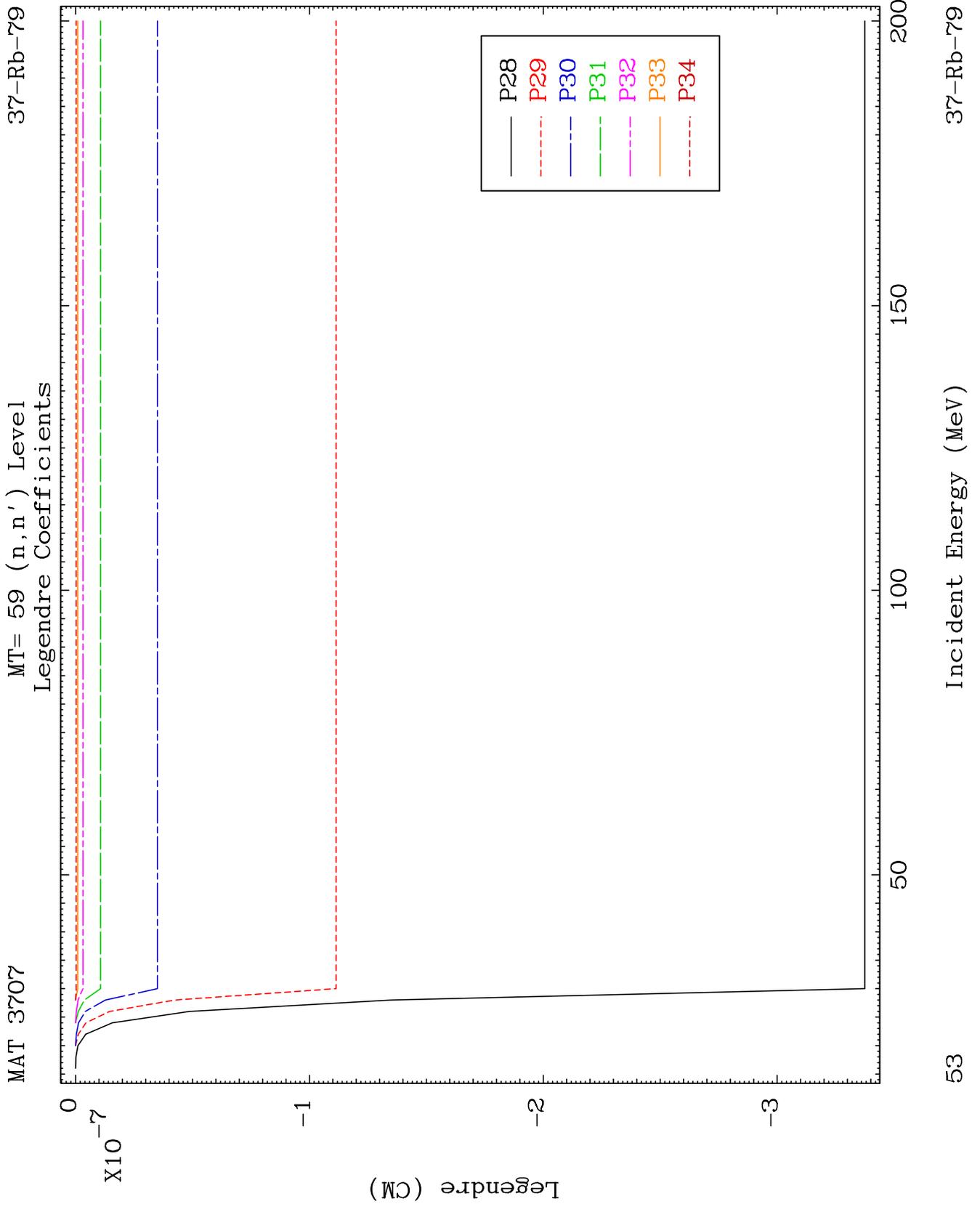
37-Rb-79



37-Rb-79



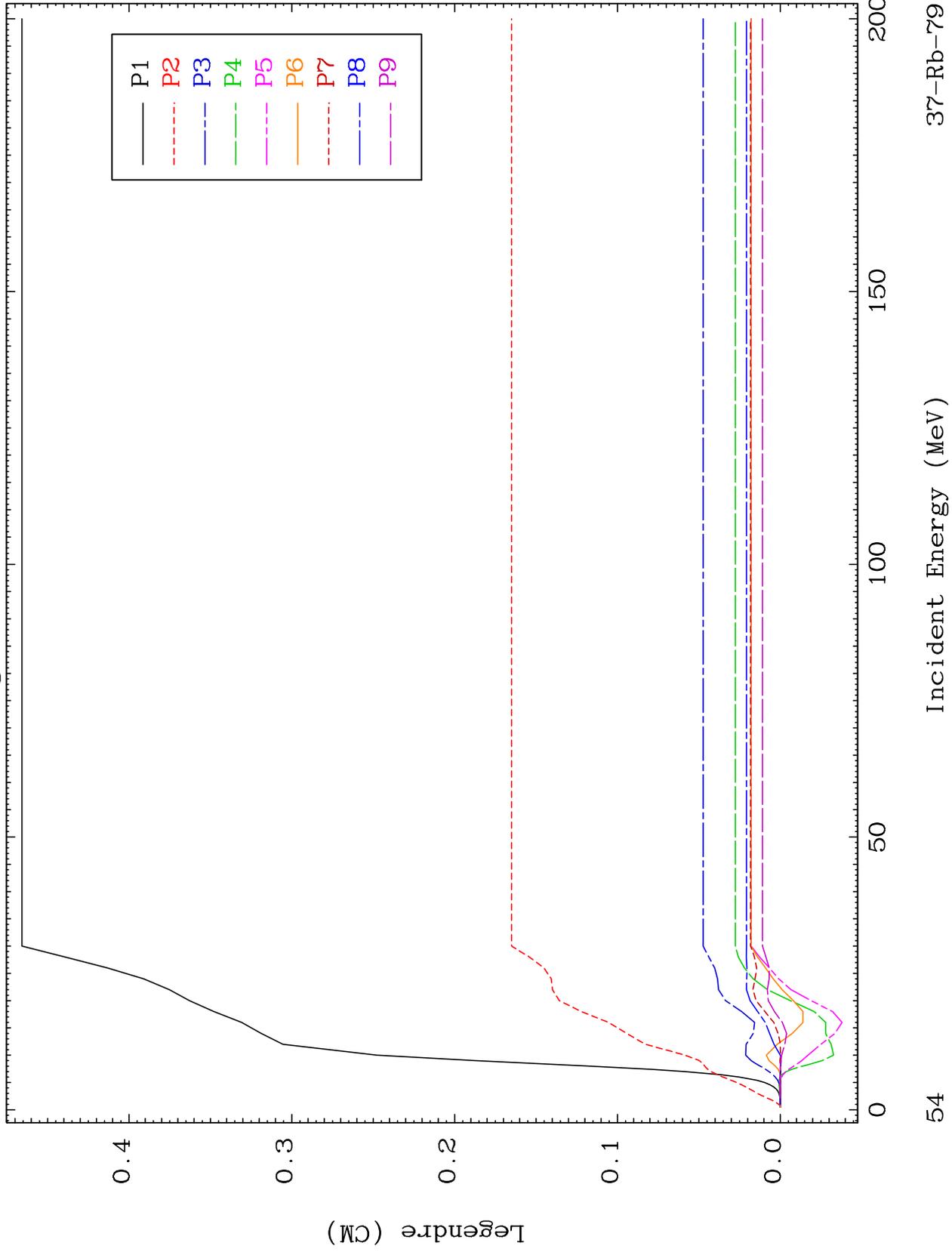




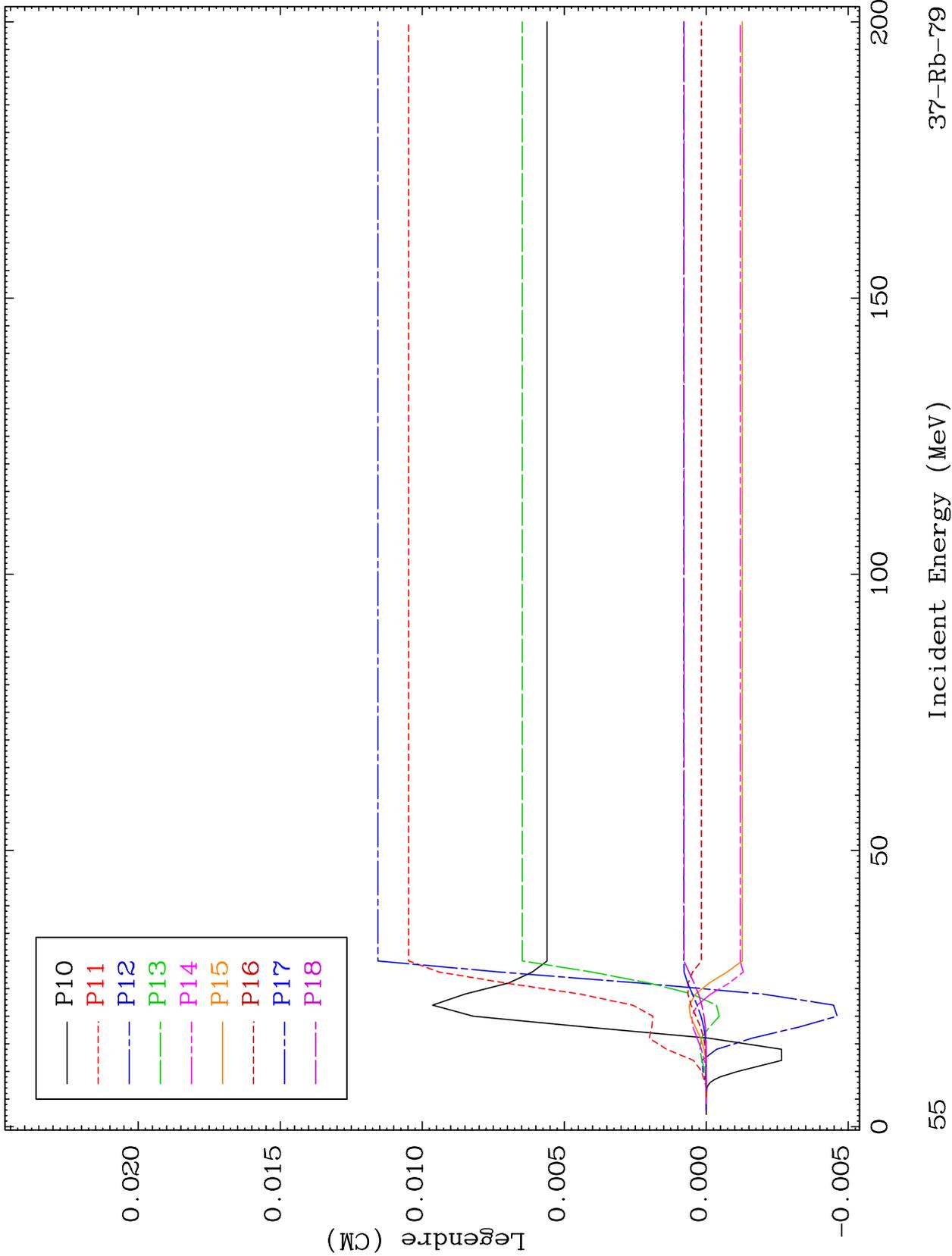
MAT 3707

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

37-Rb-79



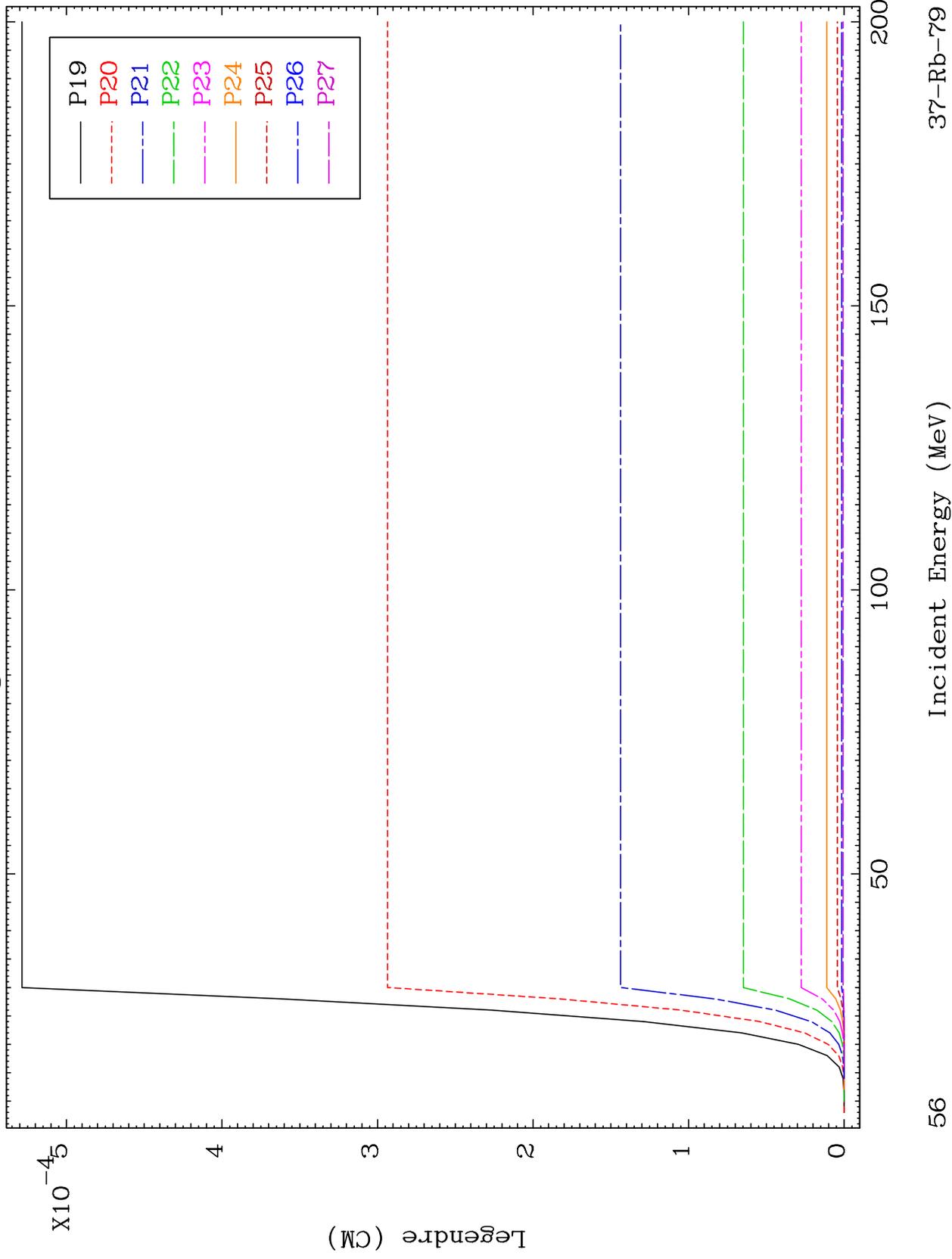
54



MAT 3707

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

37-Rb-79



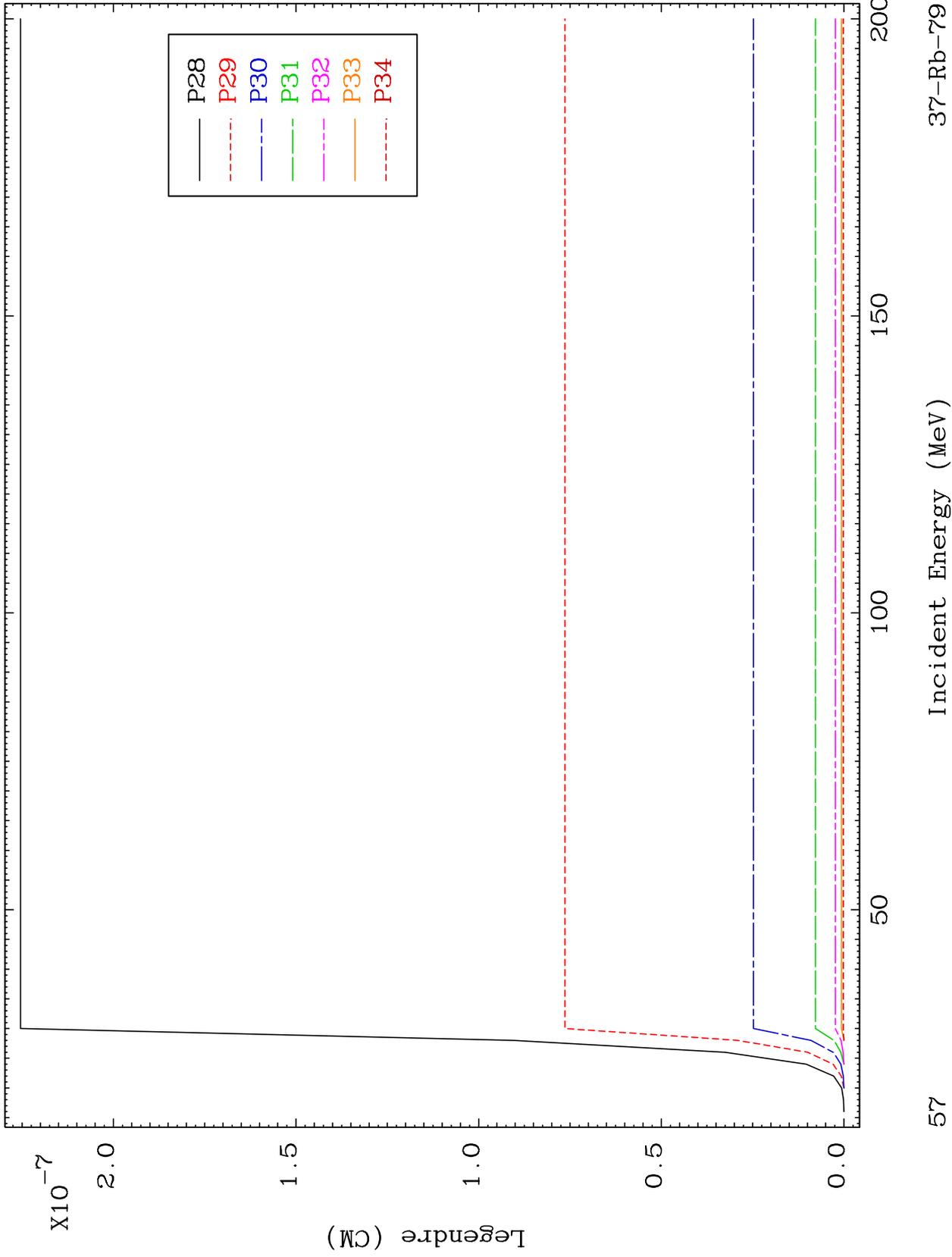
56

37-Rb-79

MAT 3707

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

37-Rb-79



57

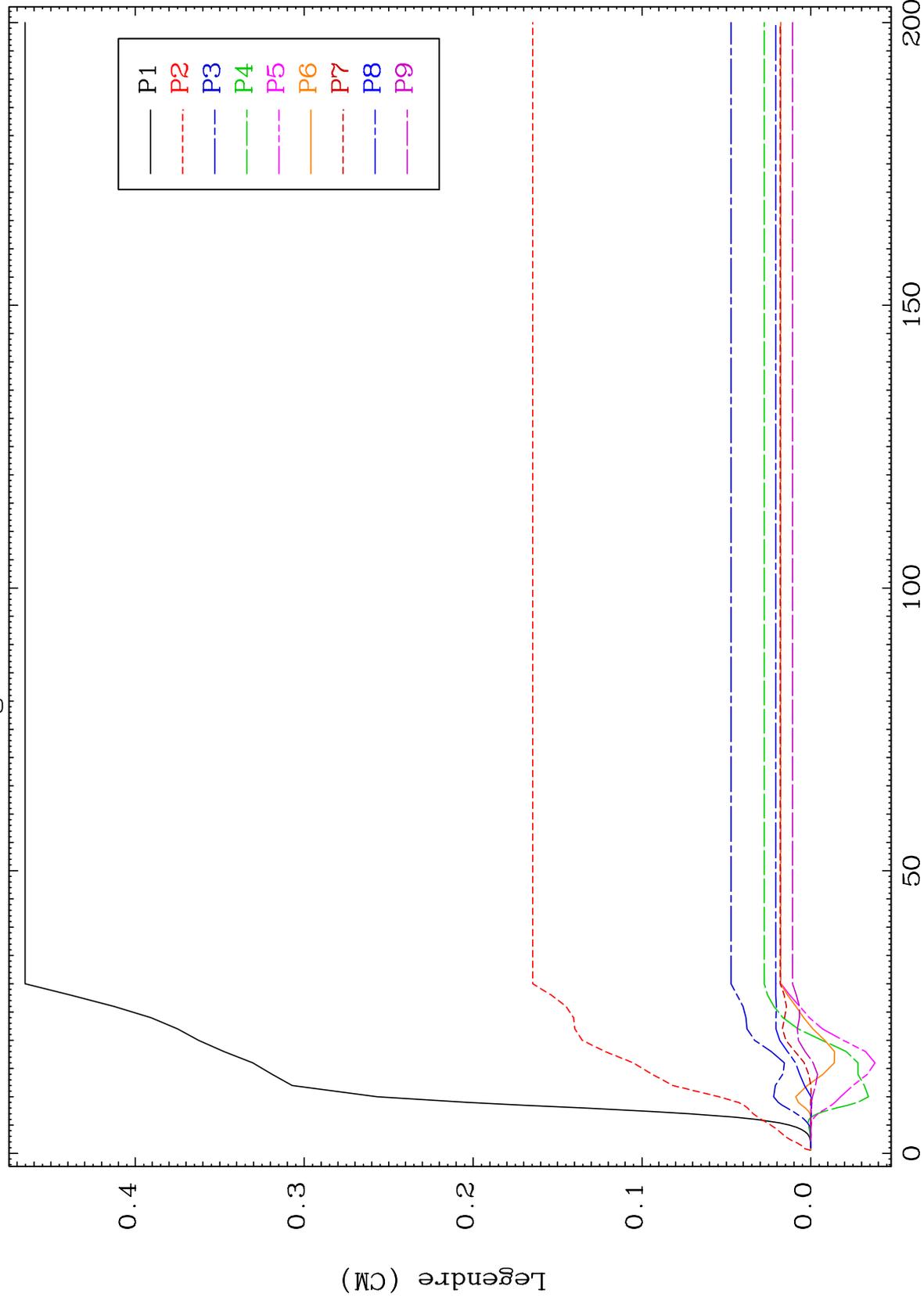
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

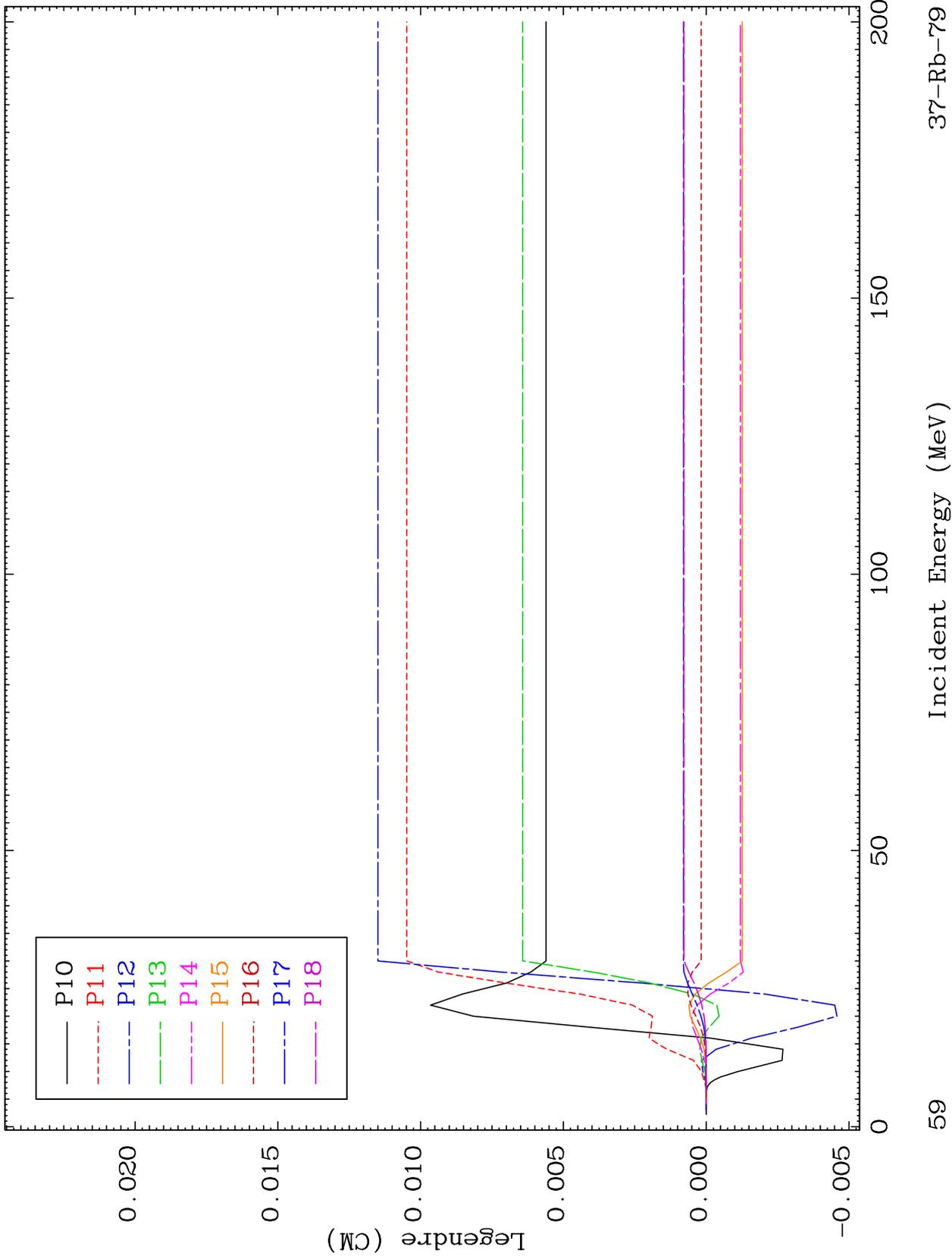
37-Rb-79



58

Incident Energy (MeV)

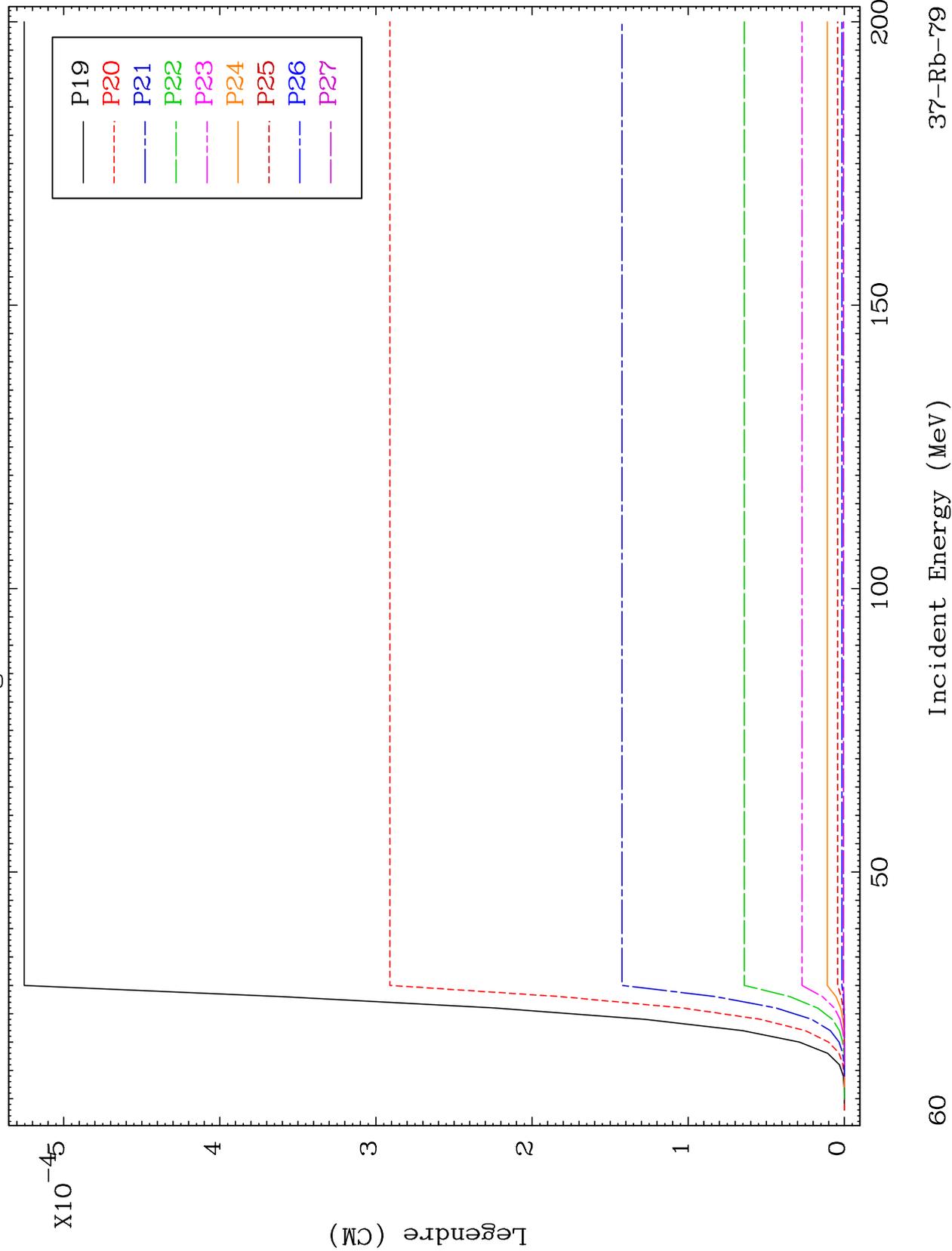
37-Rb-79



MAT 3707

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

37-Rb-79



60

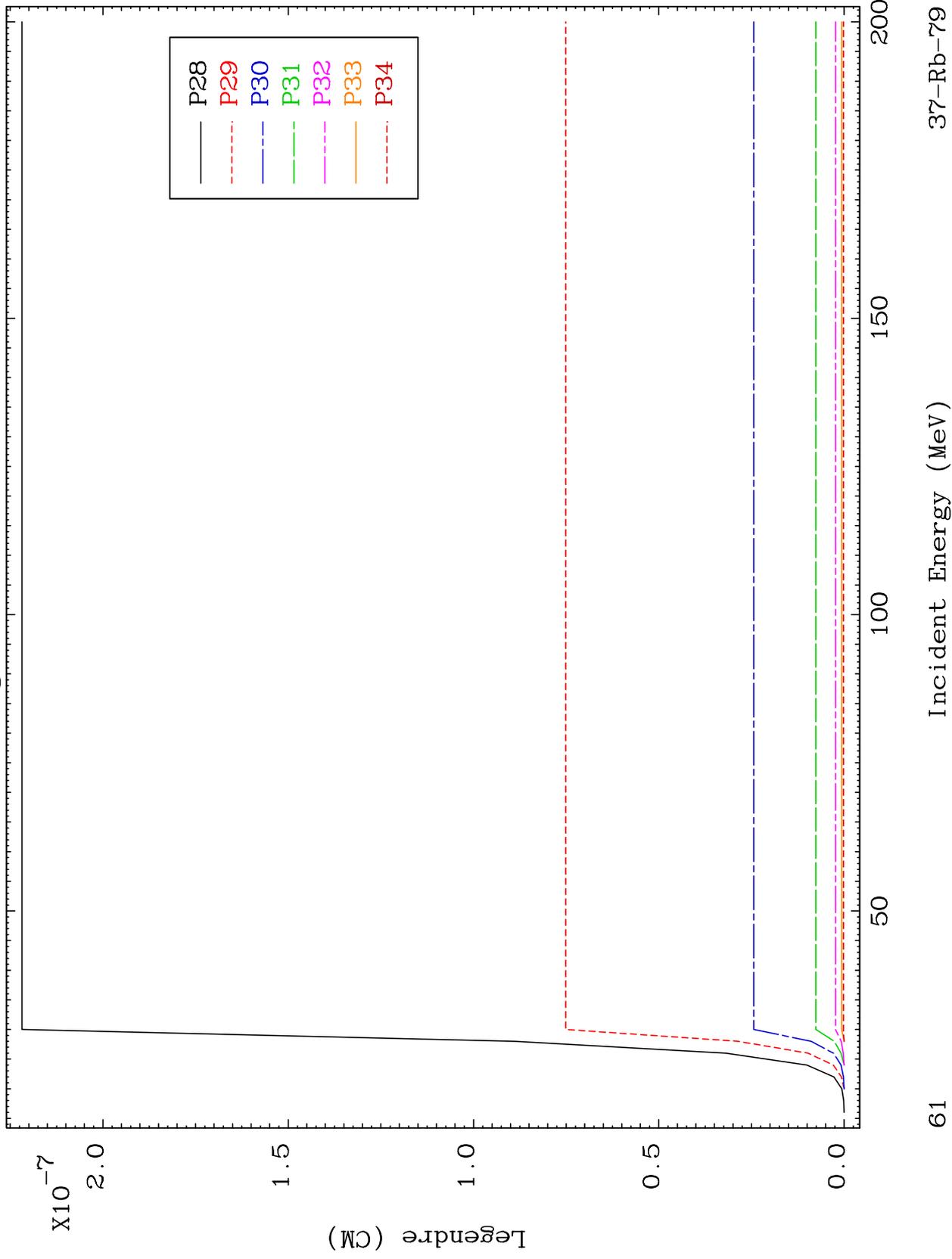
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



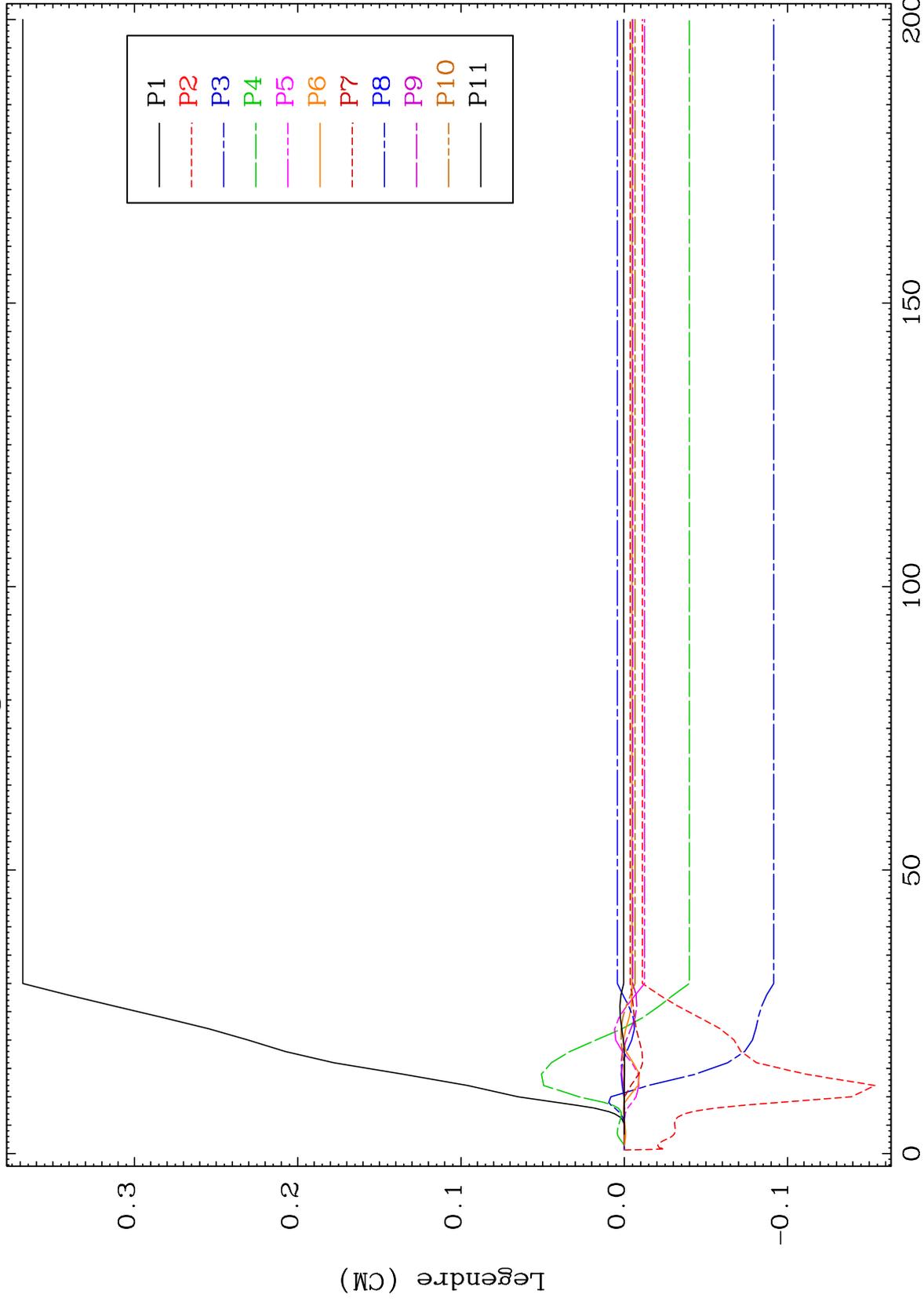
61

37-Rb-79

MAT 3707

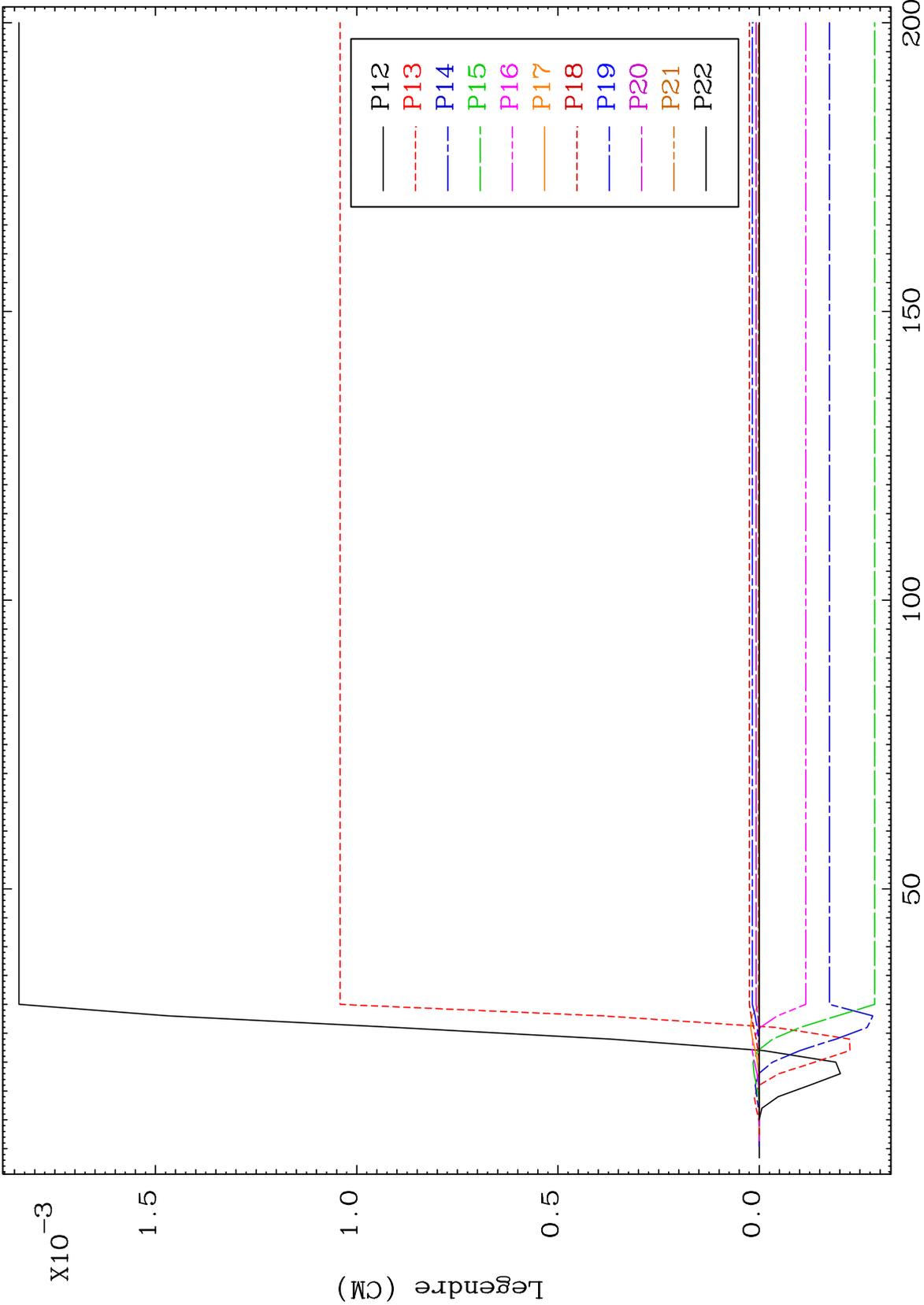
MT= 62 (n,n') Level  
Legendre Coefficients

37-Rb-79



62

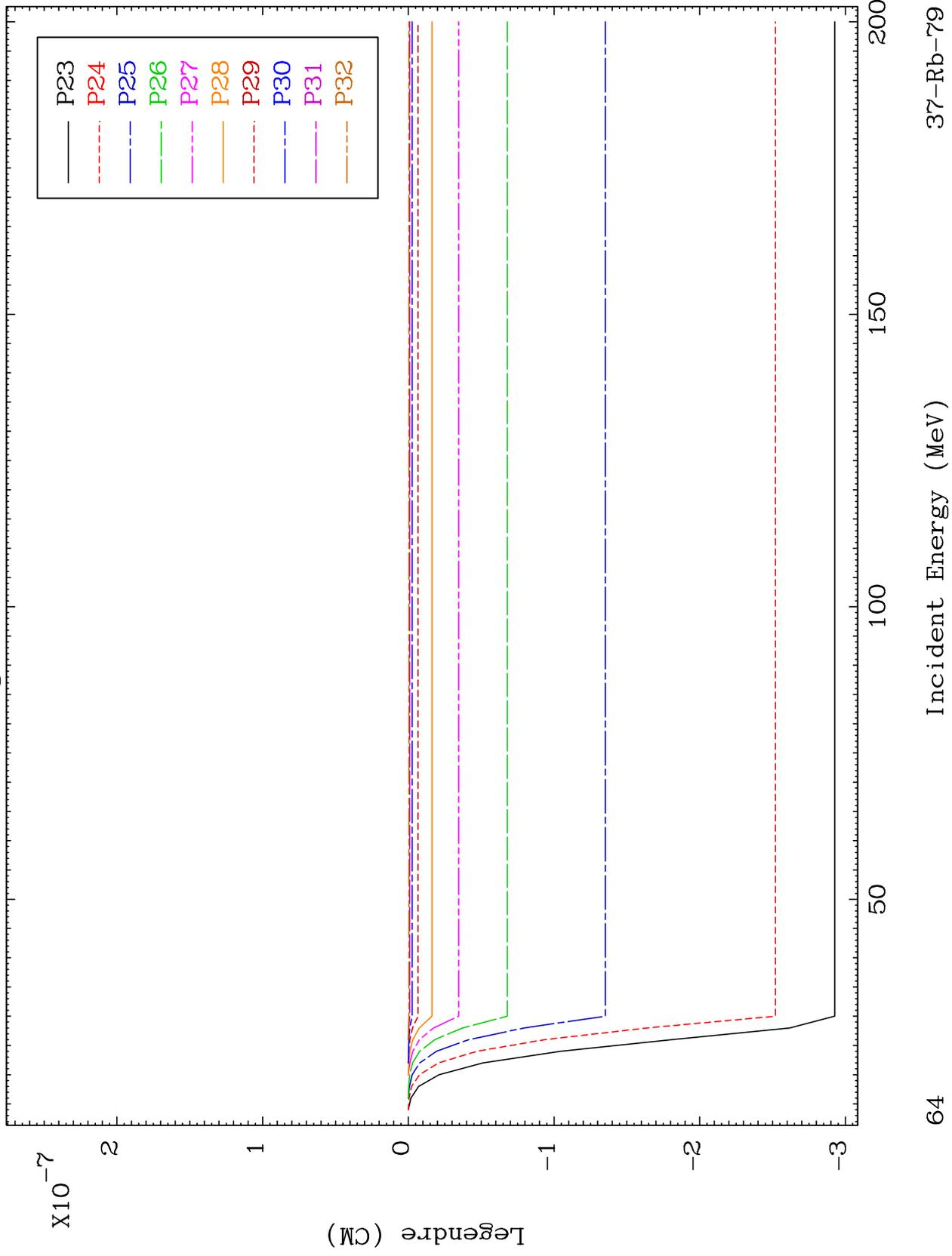
37-Rb-79



MAT 3707

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

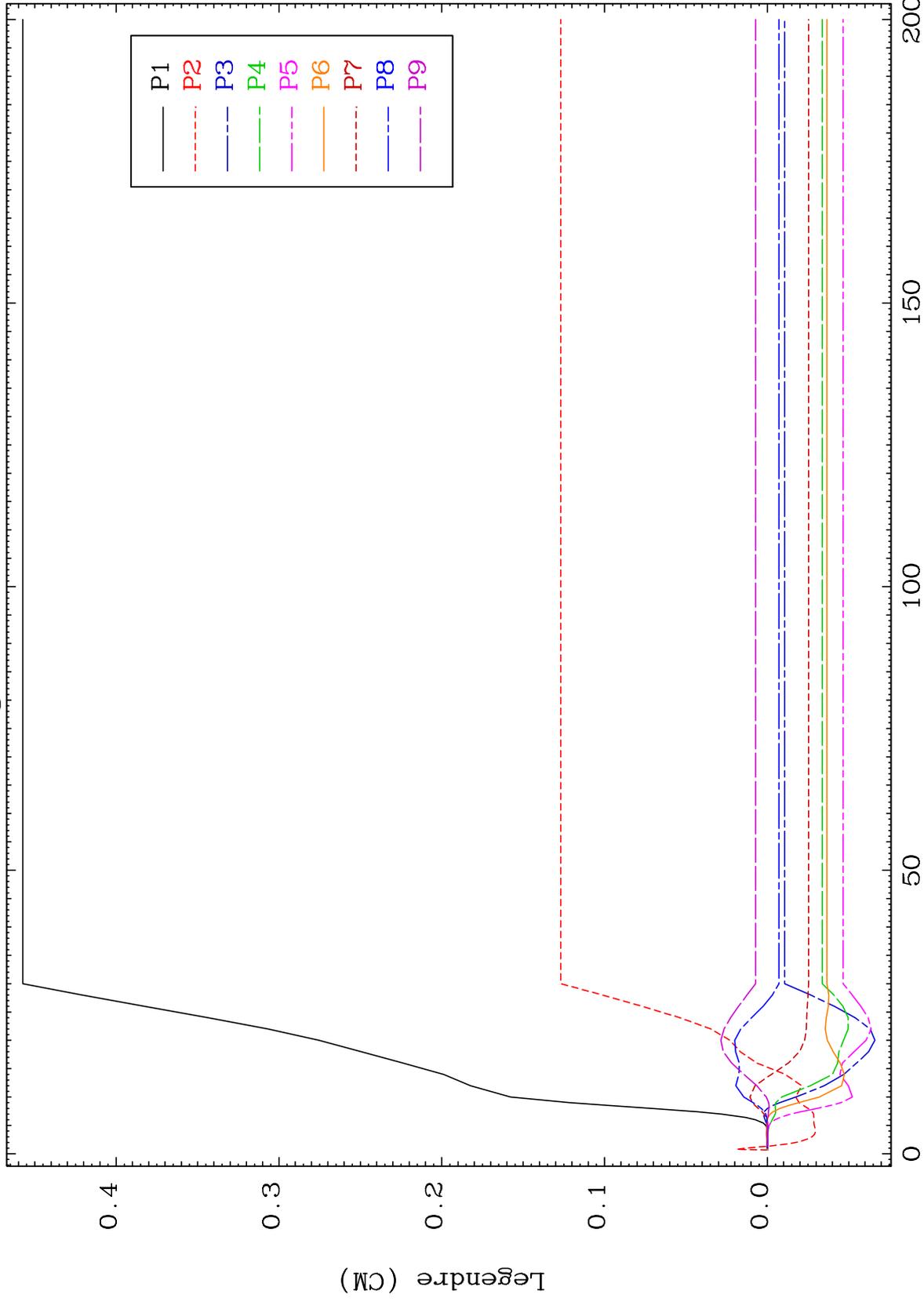
37-Rb-79



MAT 3707

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

37-Rb-79



65

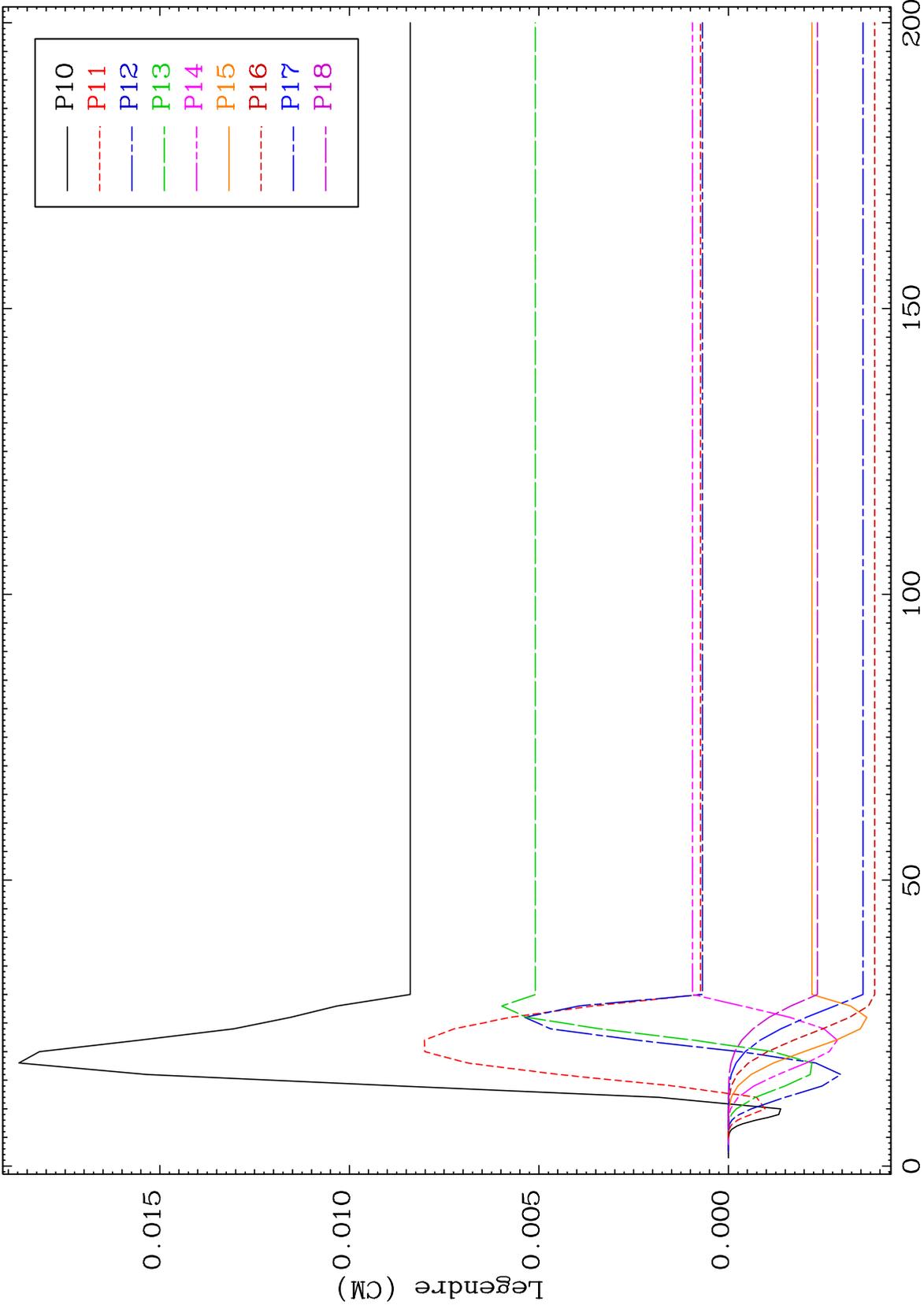
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



66

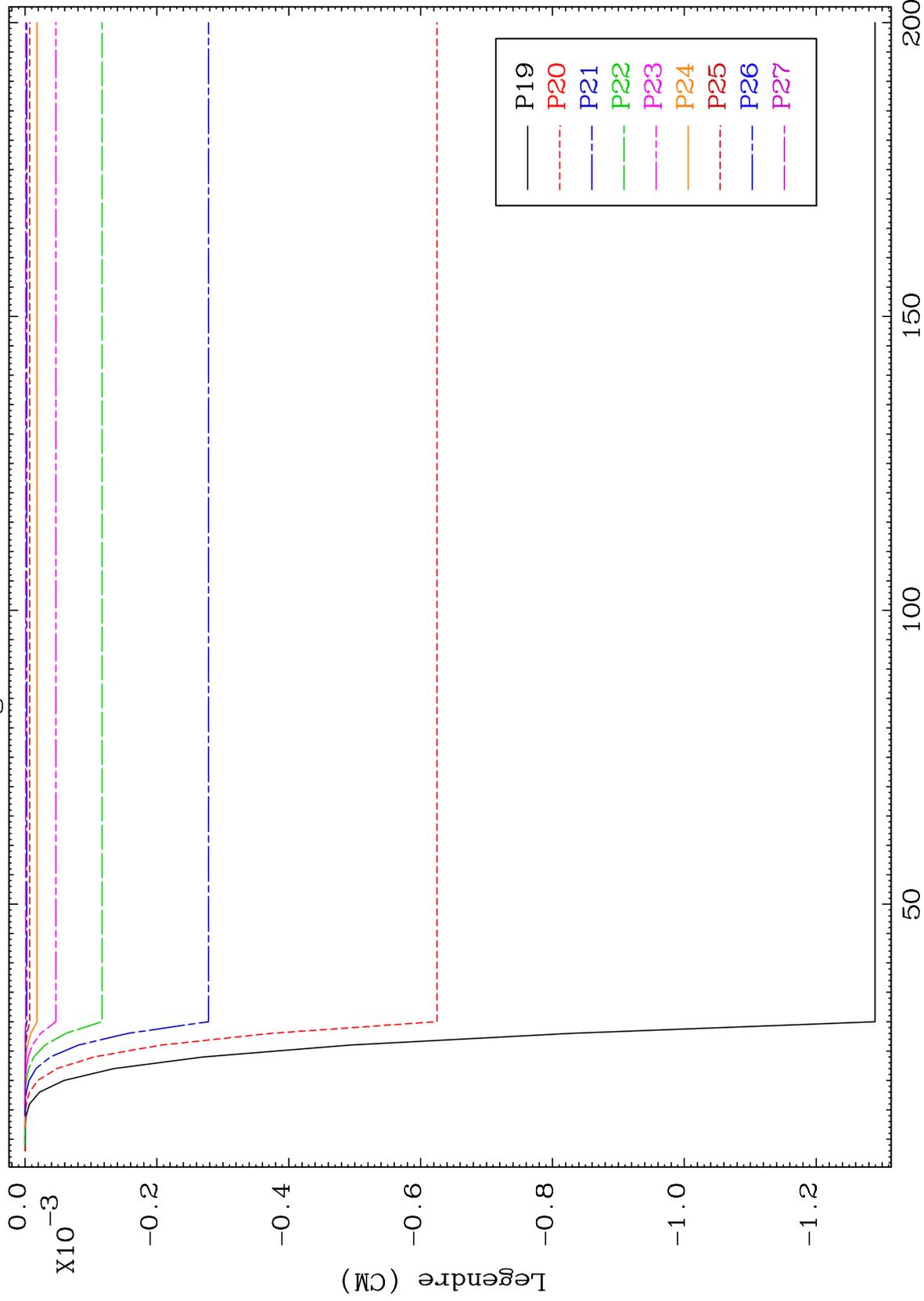
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



67

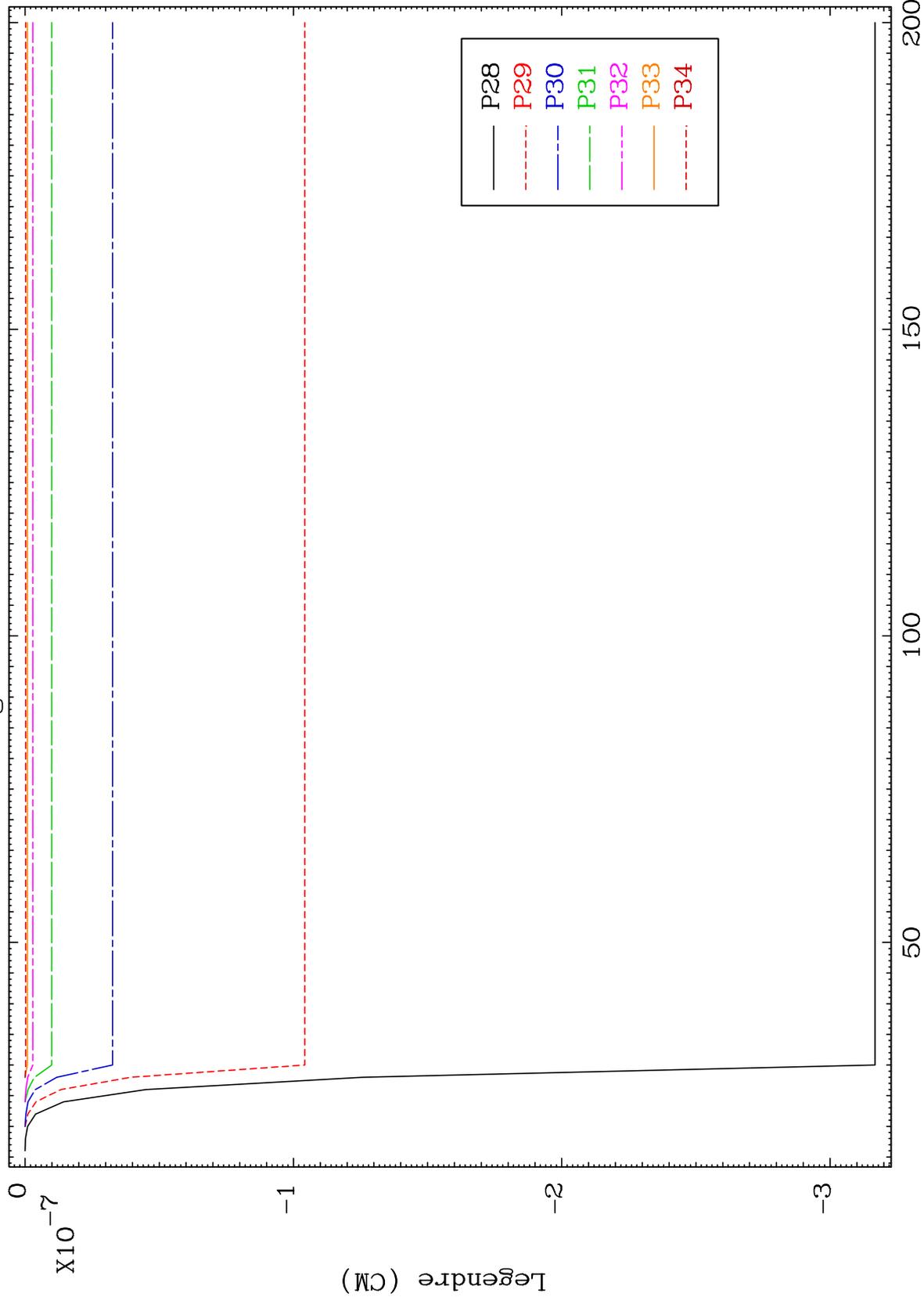
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



68

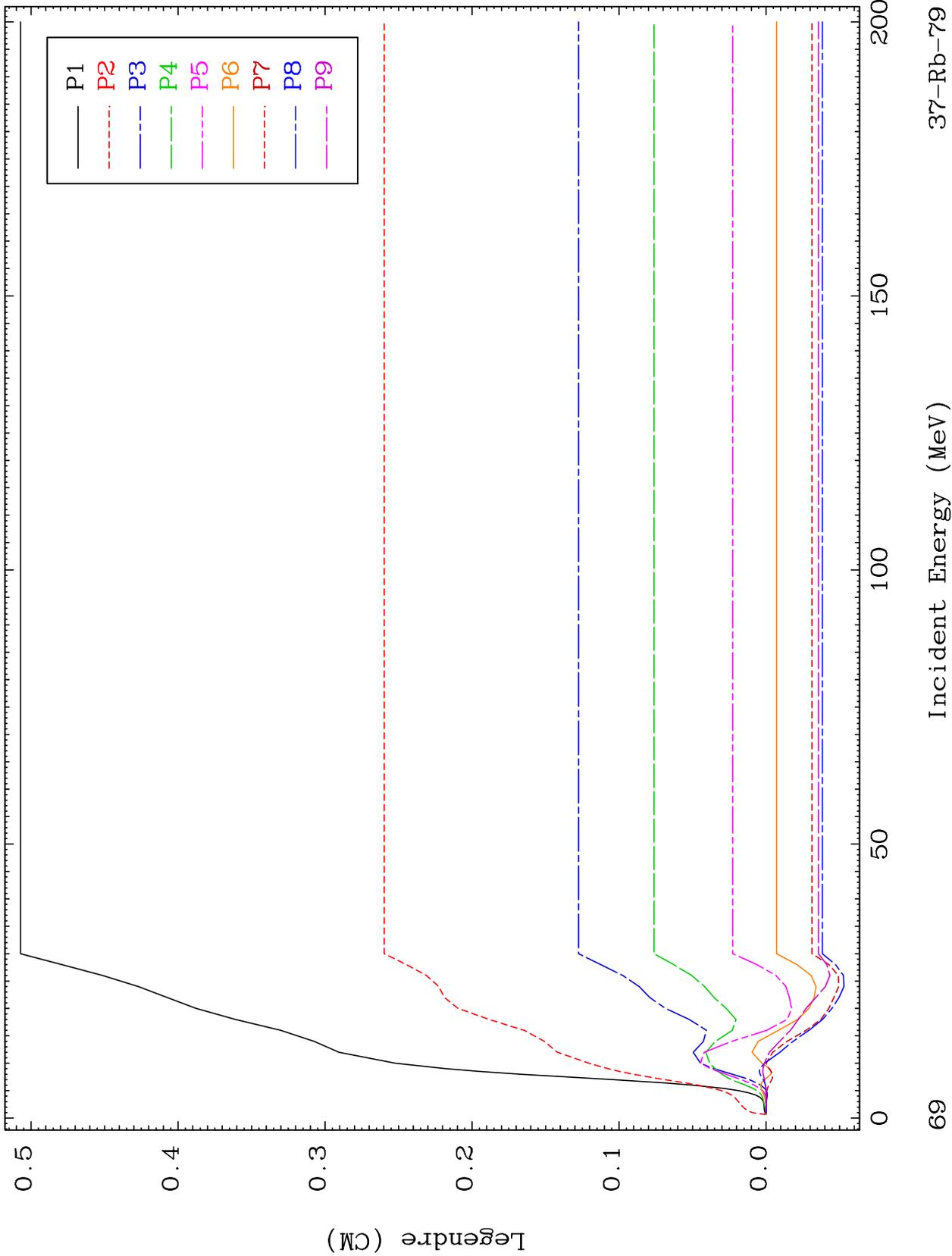
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



69

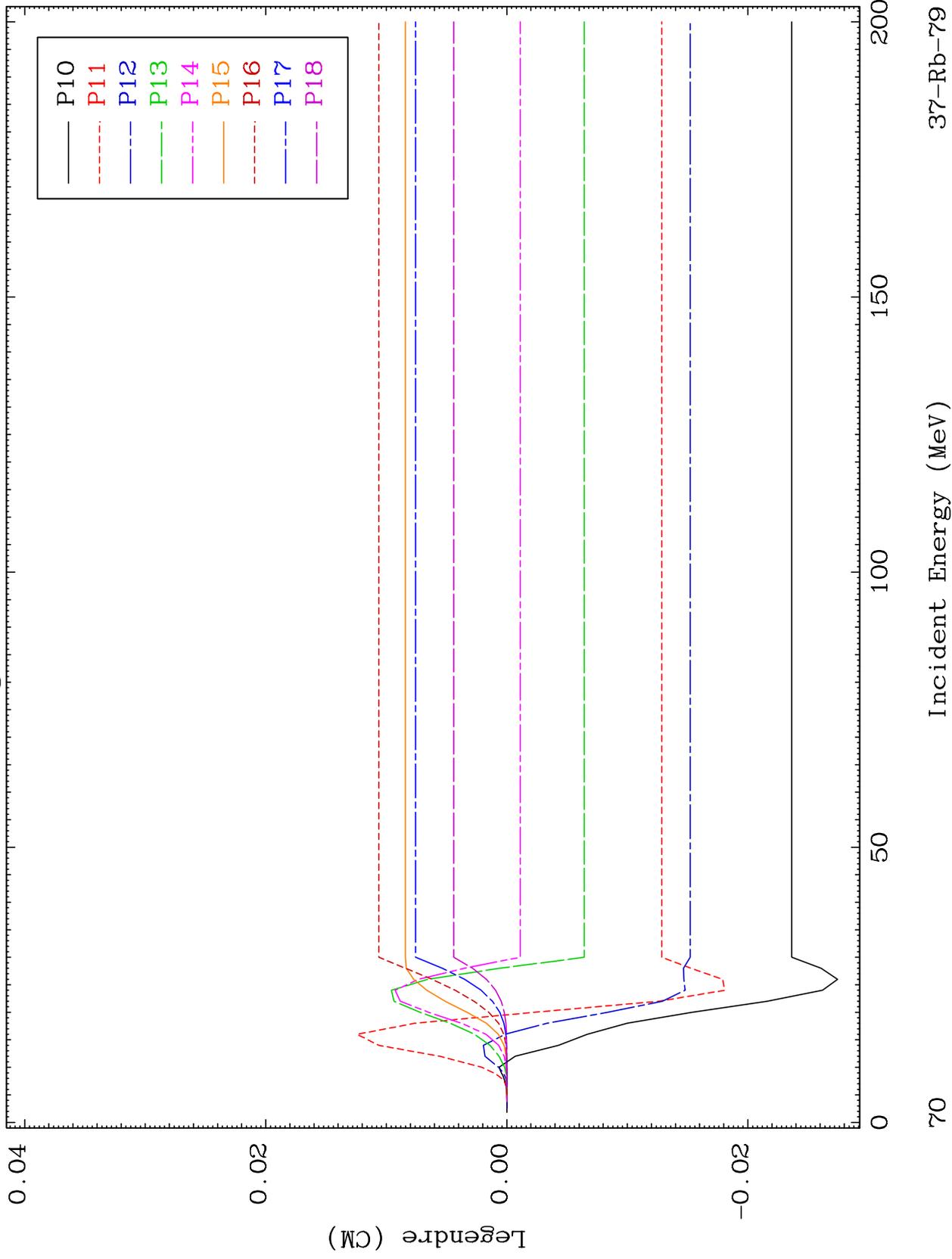
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



37-Rb-79

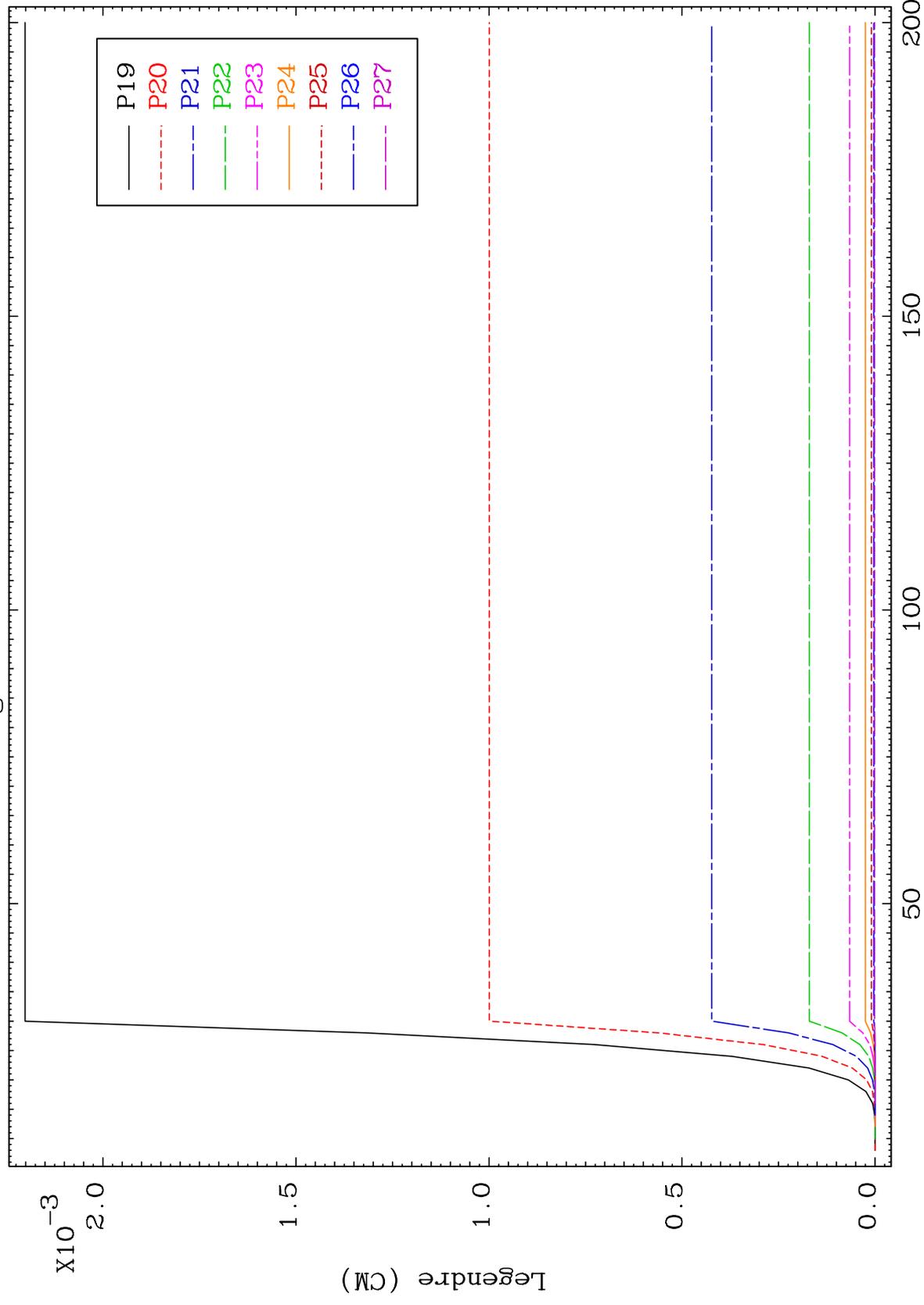
Incident Energy (MeV)

70

MAT 3707

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

37-Rb-79



71

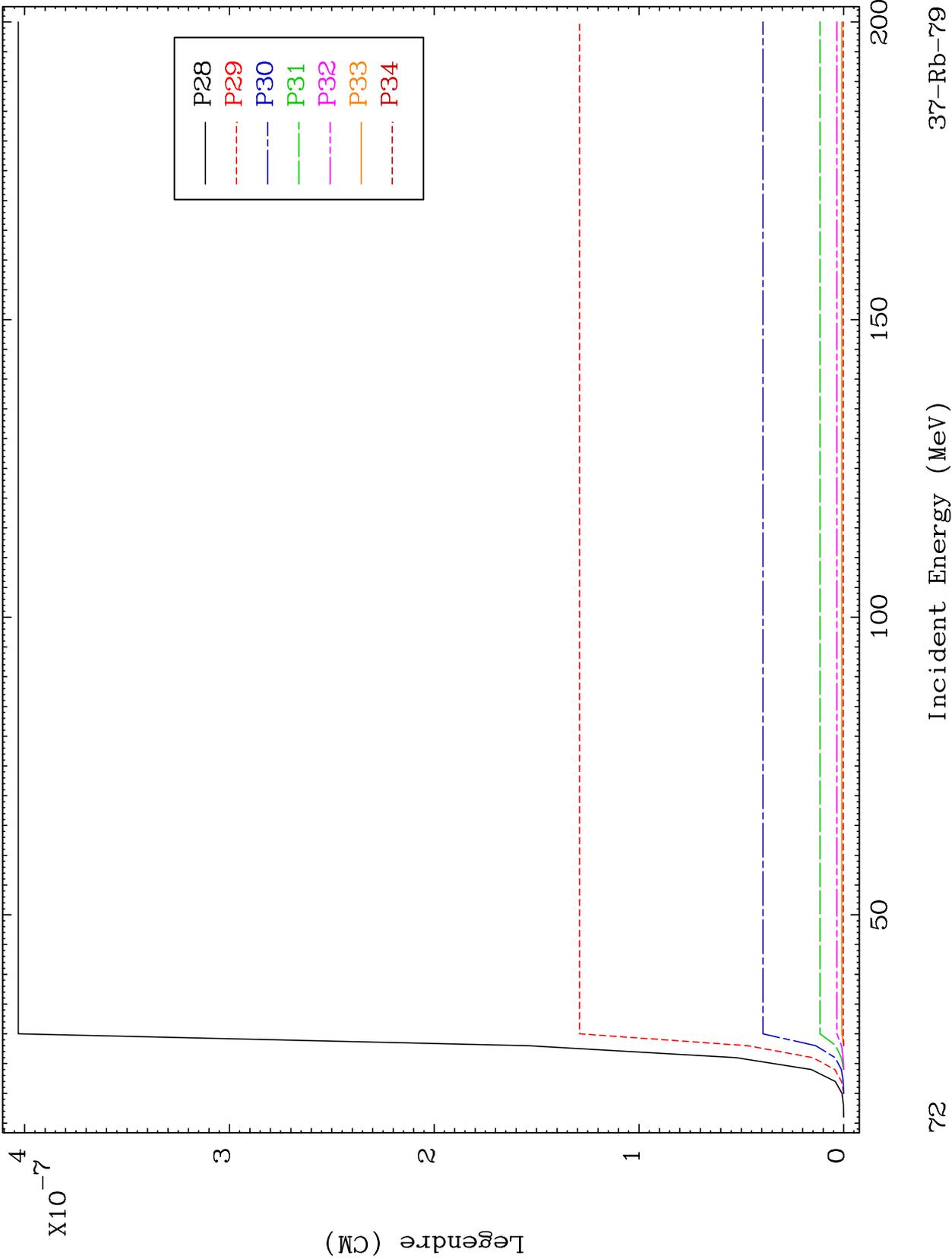
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79

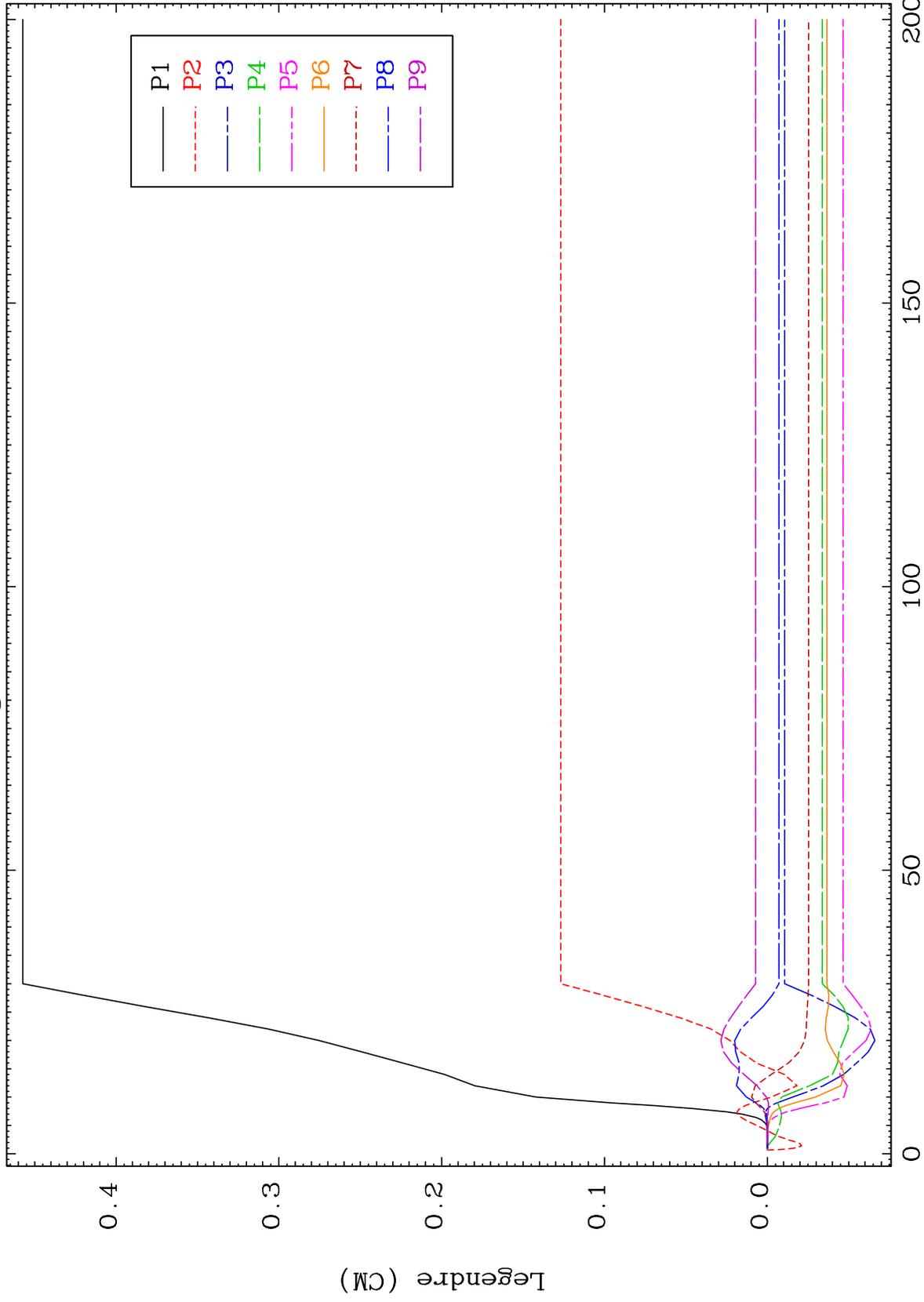


72

MAT 3707

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

37-Rb-79



73

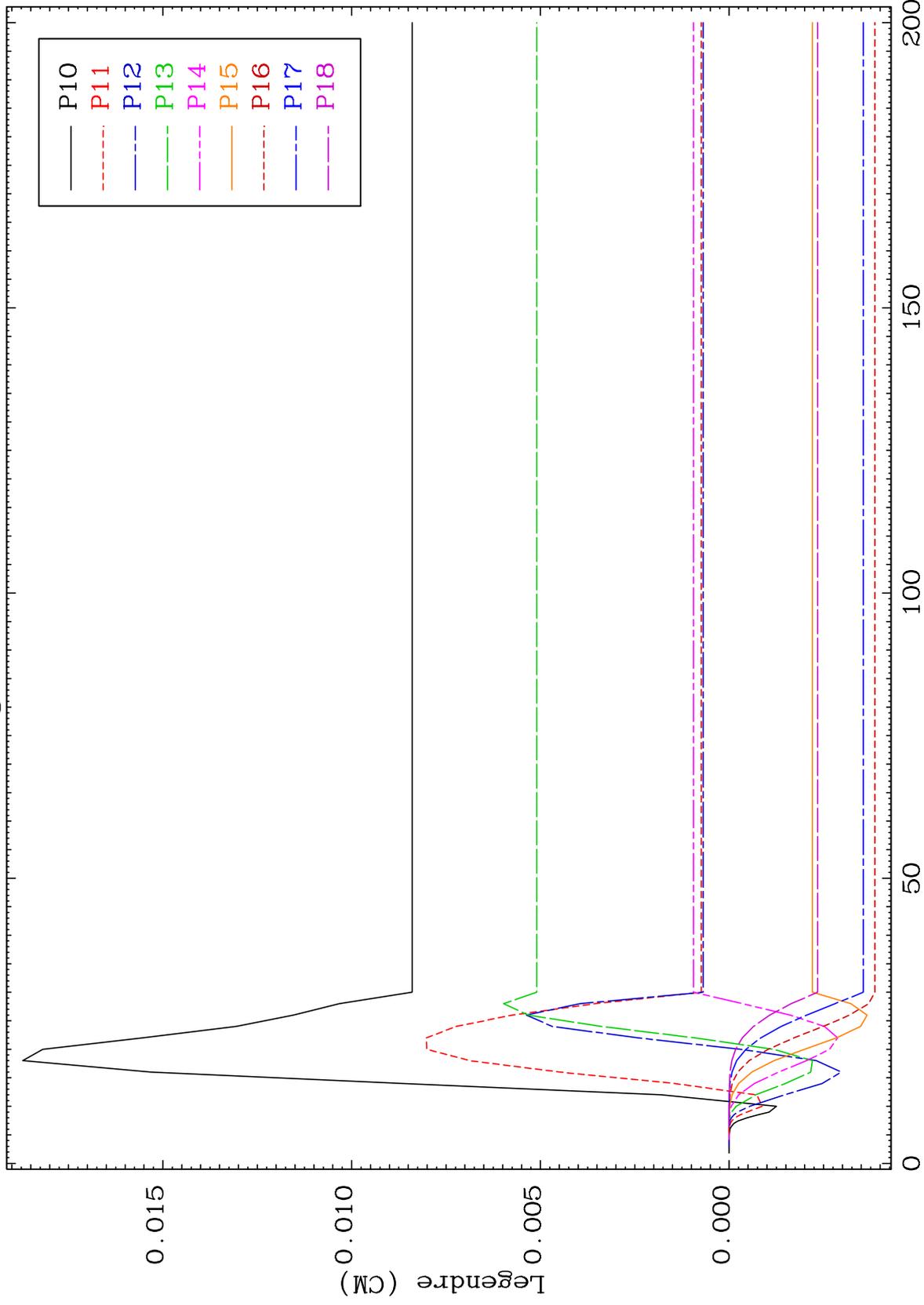
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

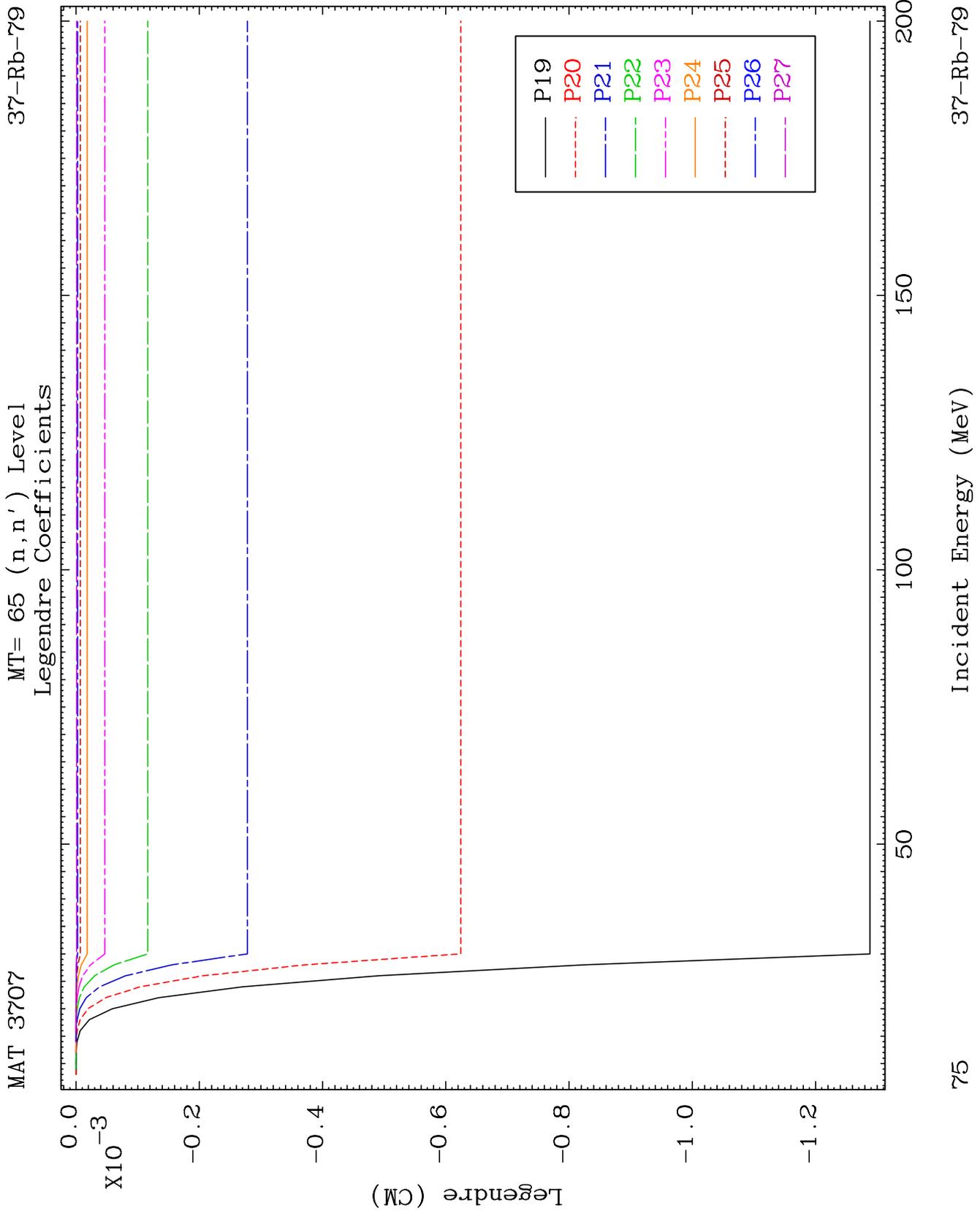
37-Rb-79



74

Incident Energy (MeV)

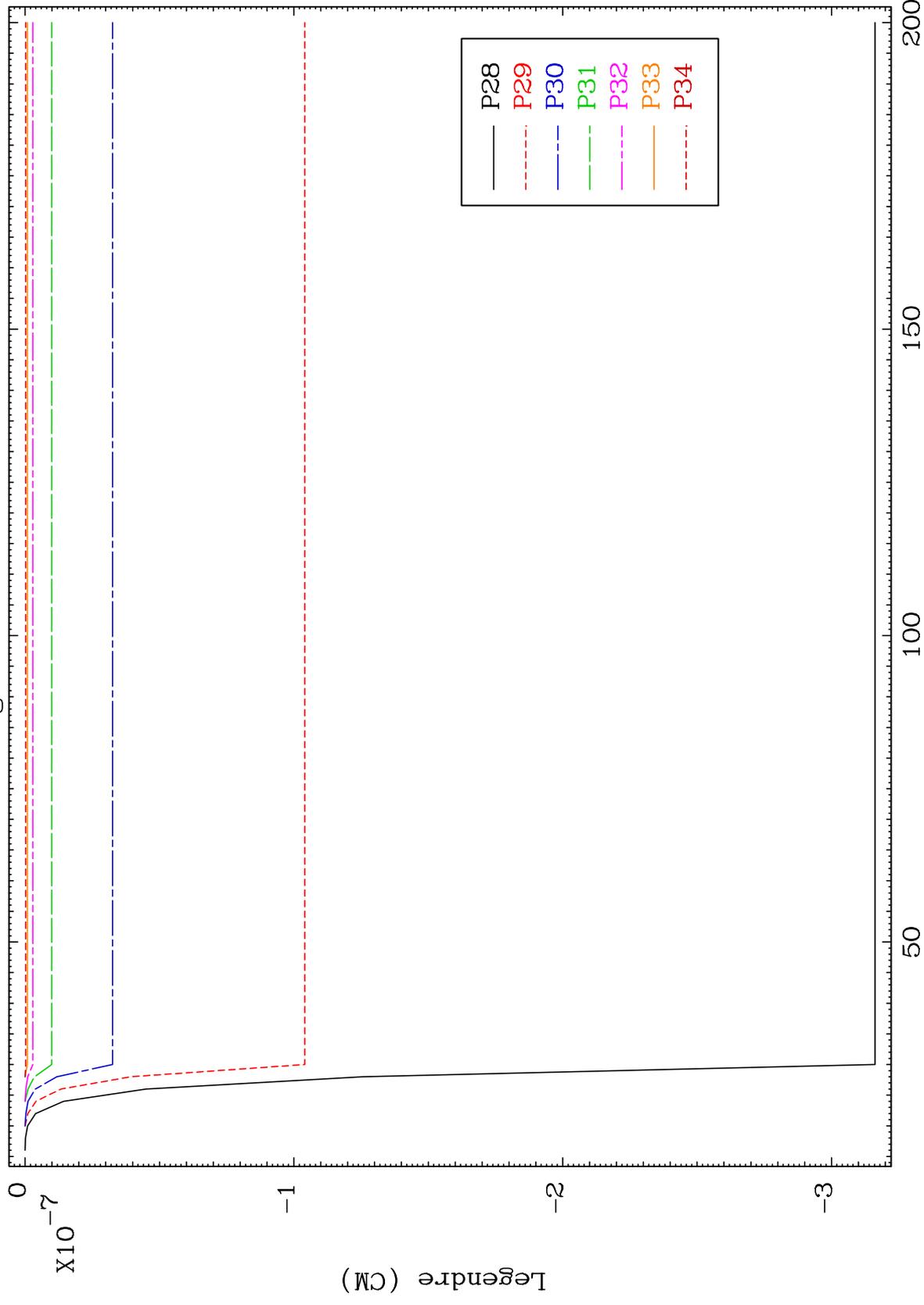
37-Rb-79



MAT 3707

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

37-Rb-79



76

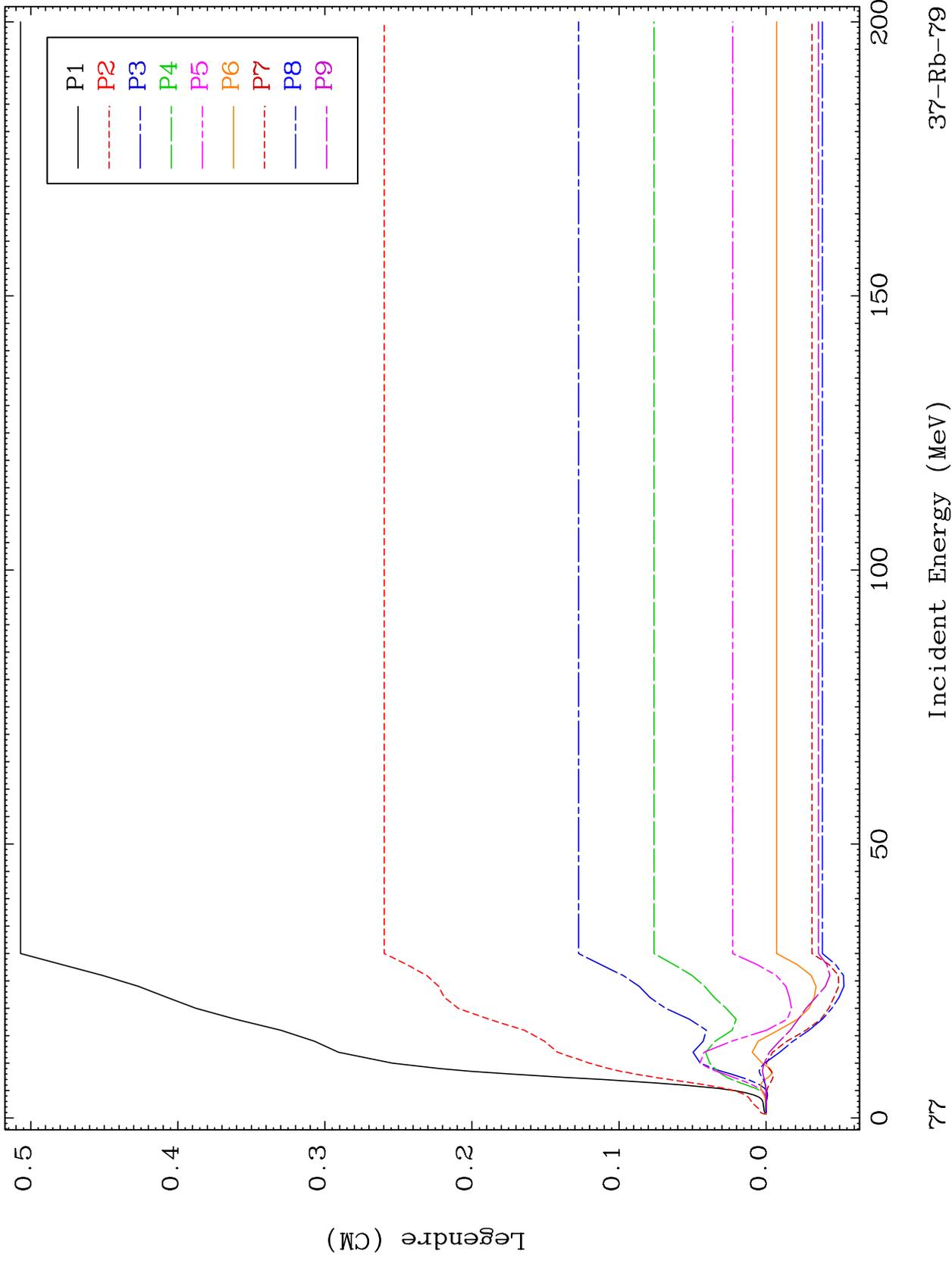
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



77

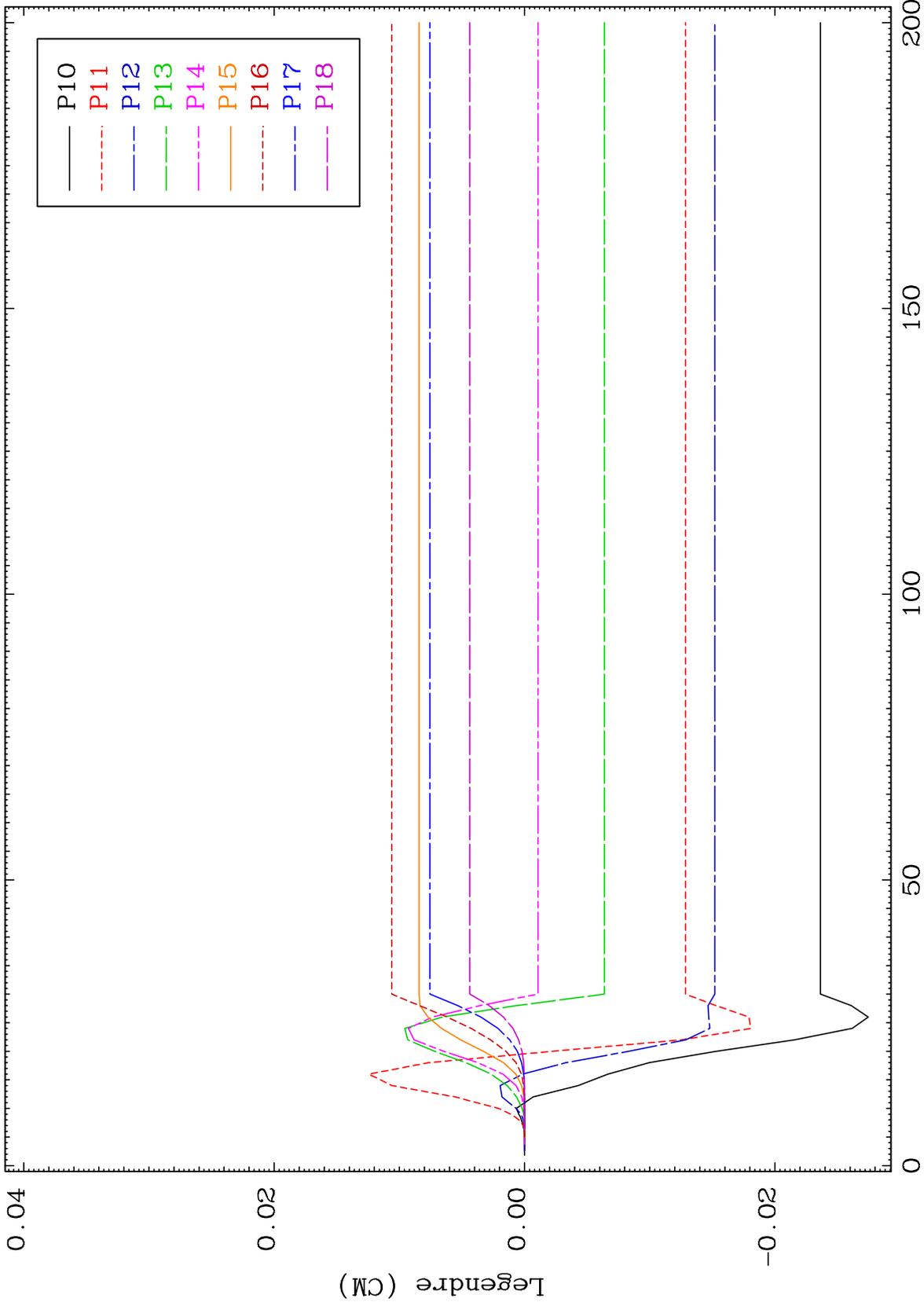
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



78

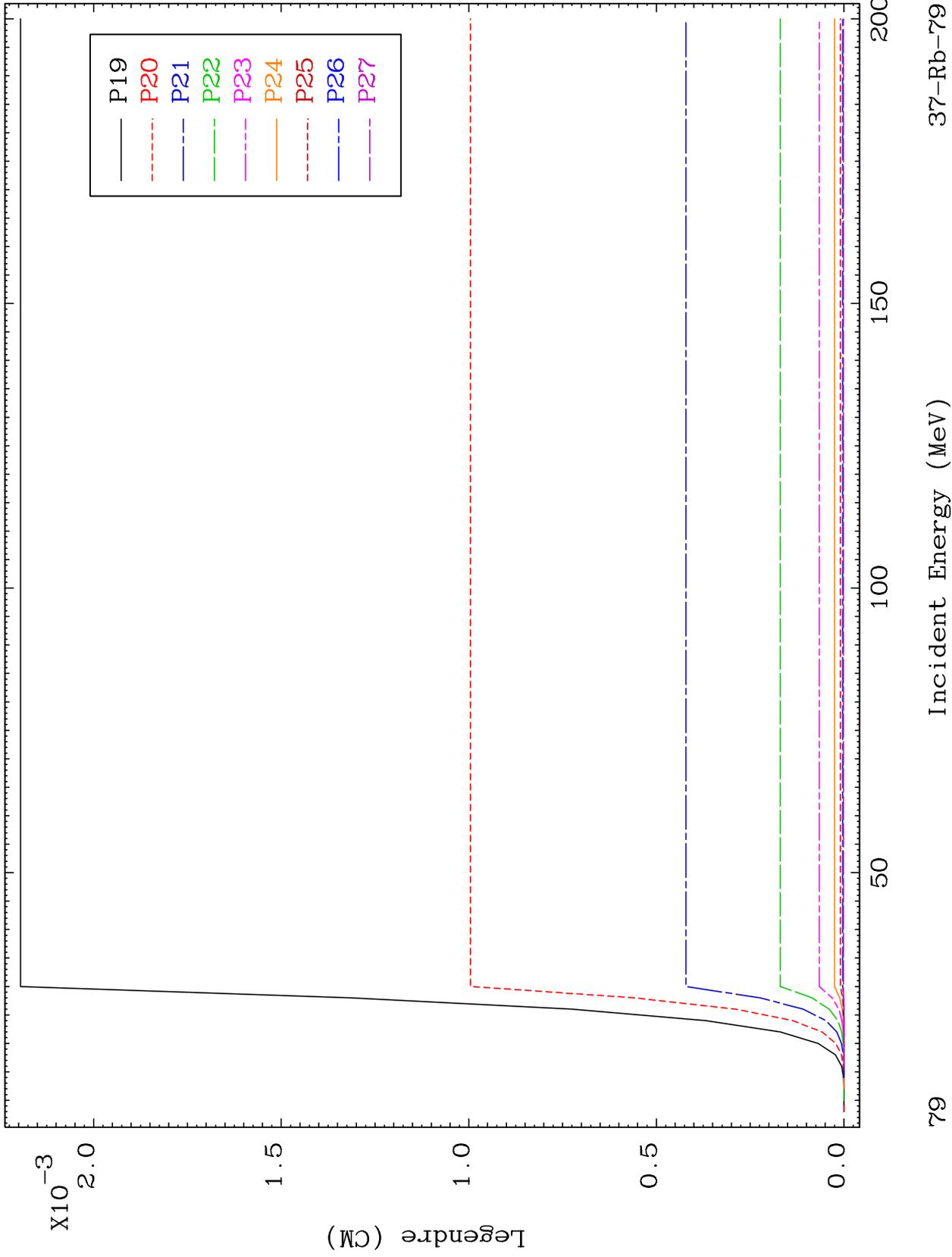
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

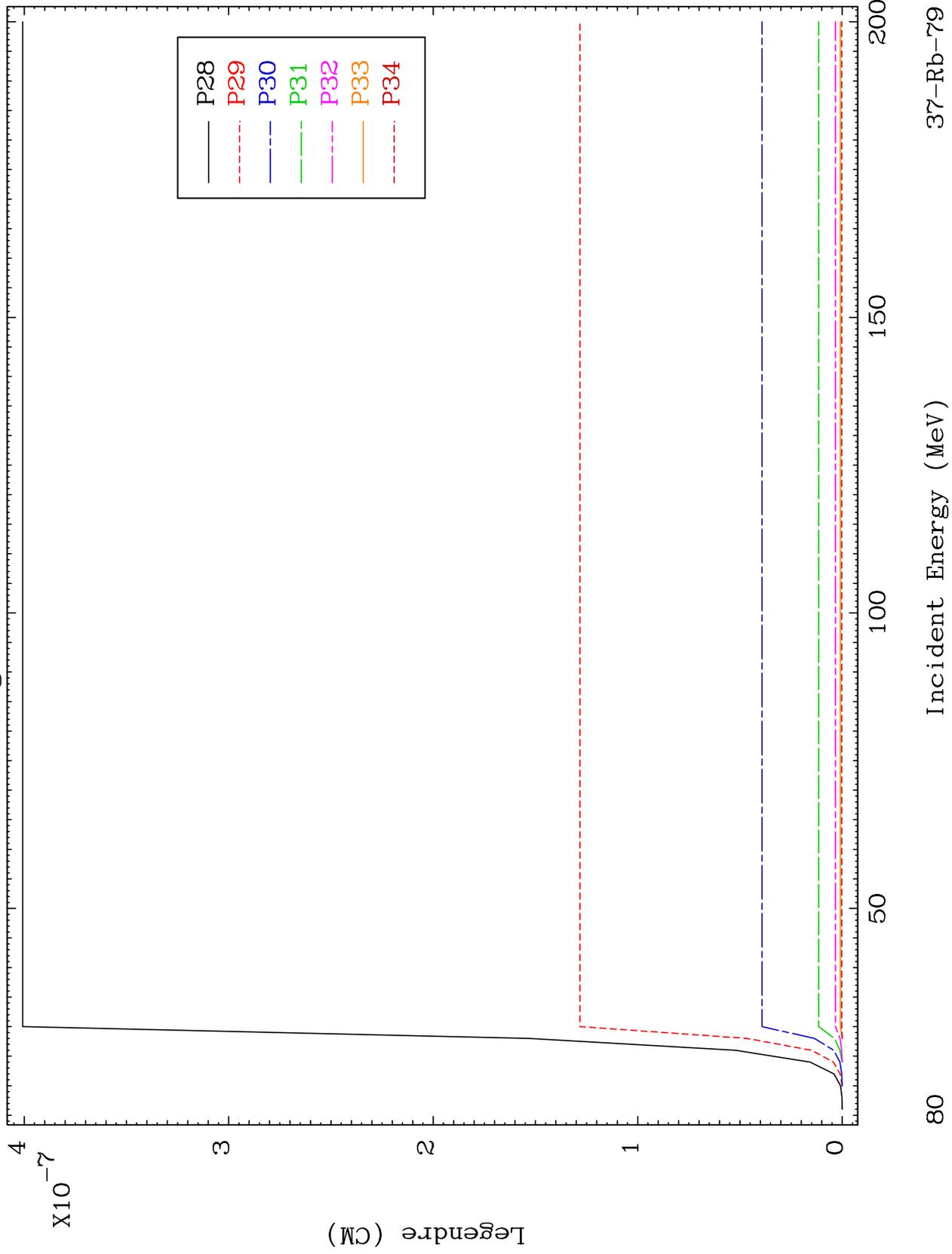
37-Rb-79



MAT 3707

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

37-Rb-79



37-Rb-79

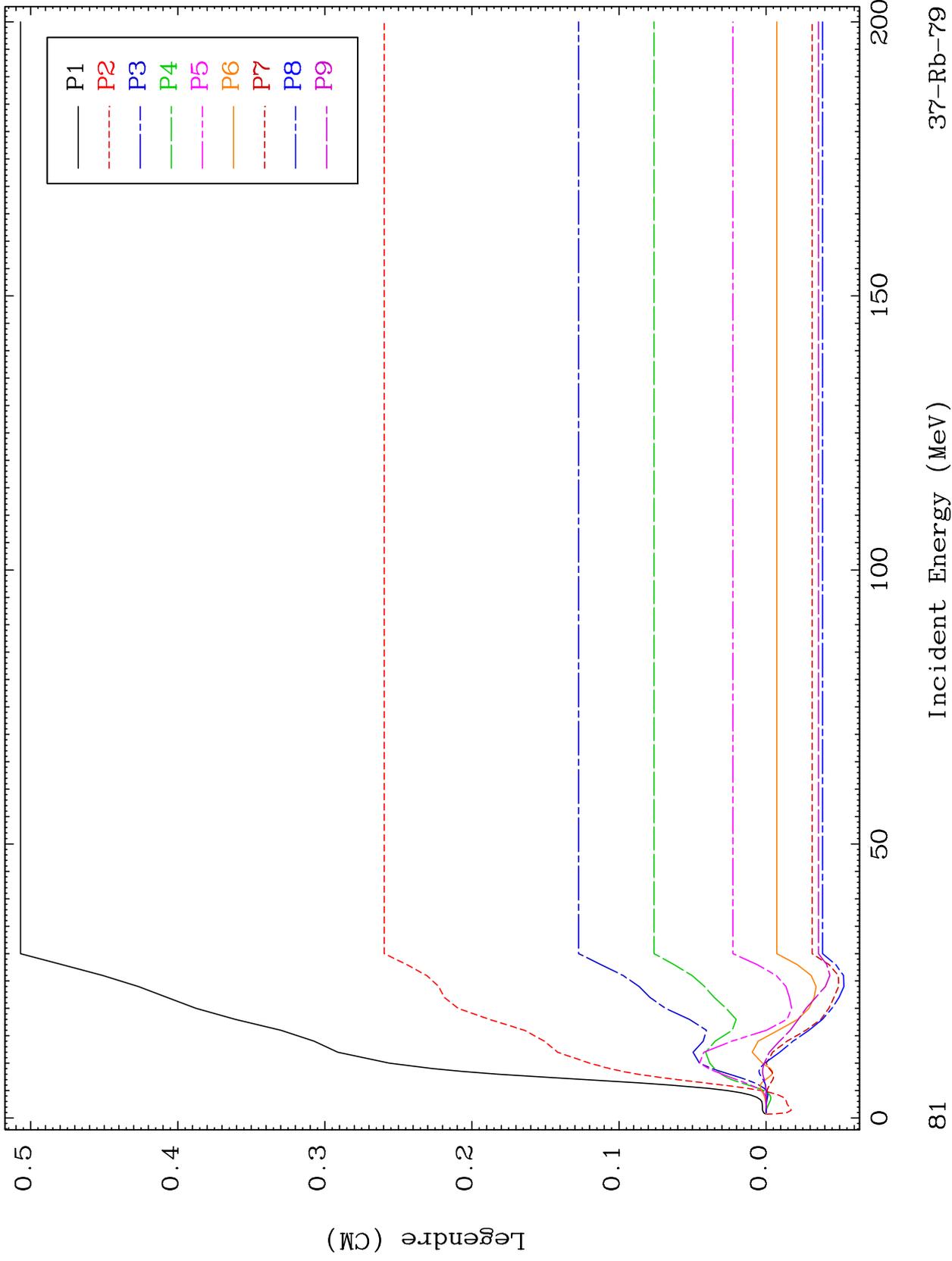
Incident Energy (MeV)

80

MAT 3707

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

37-Rb-79



81

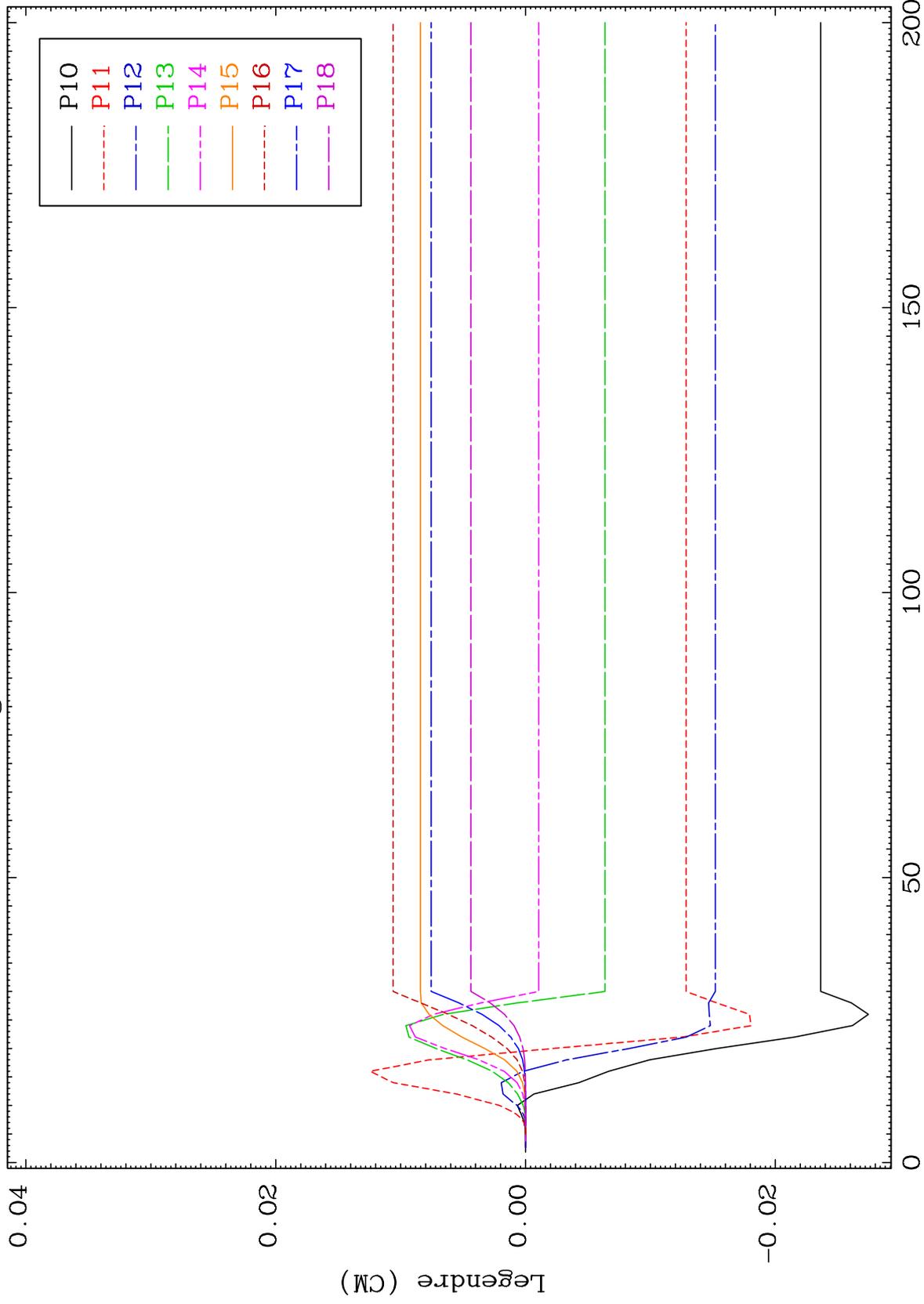
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



82

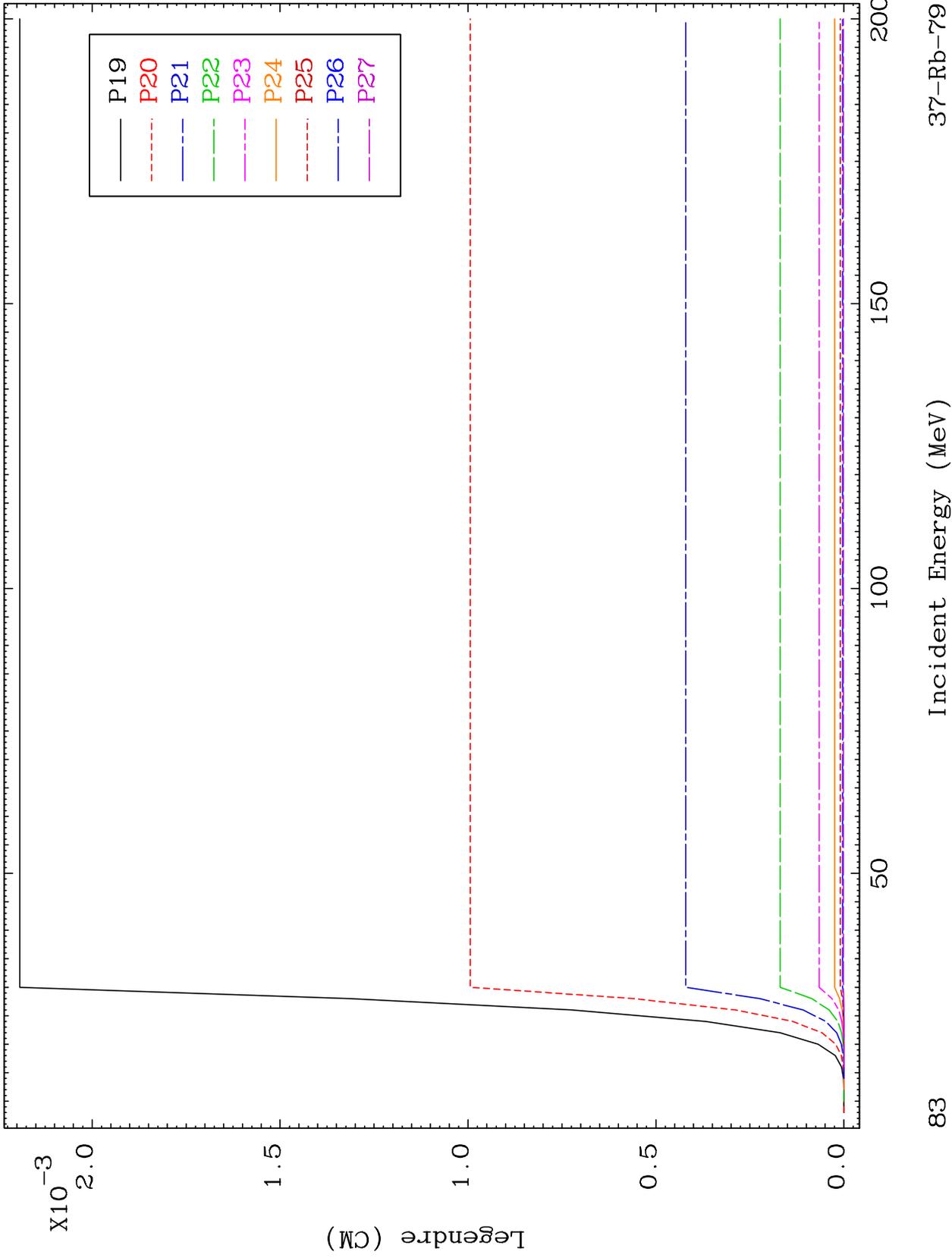
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



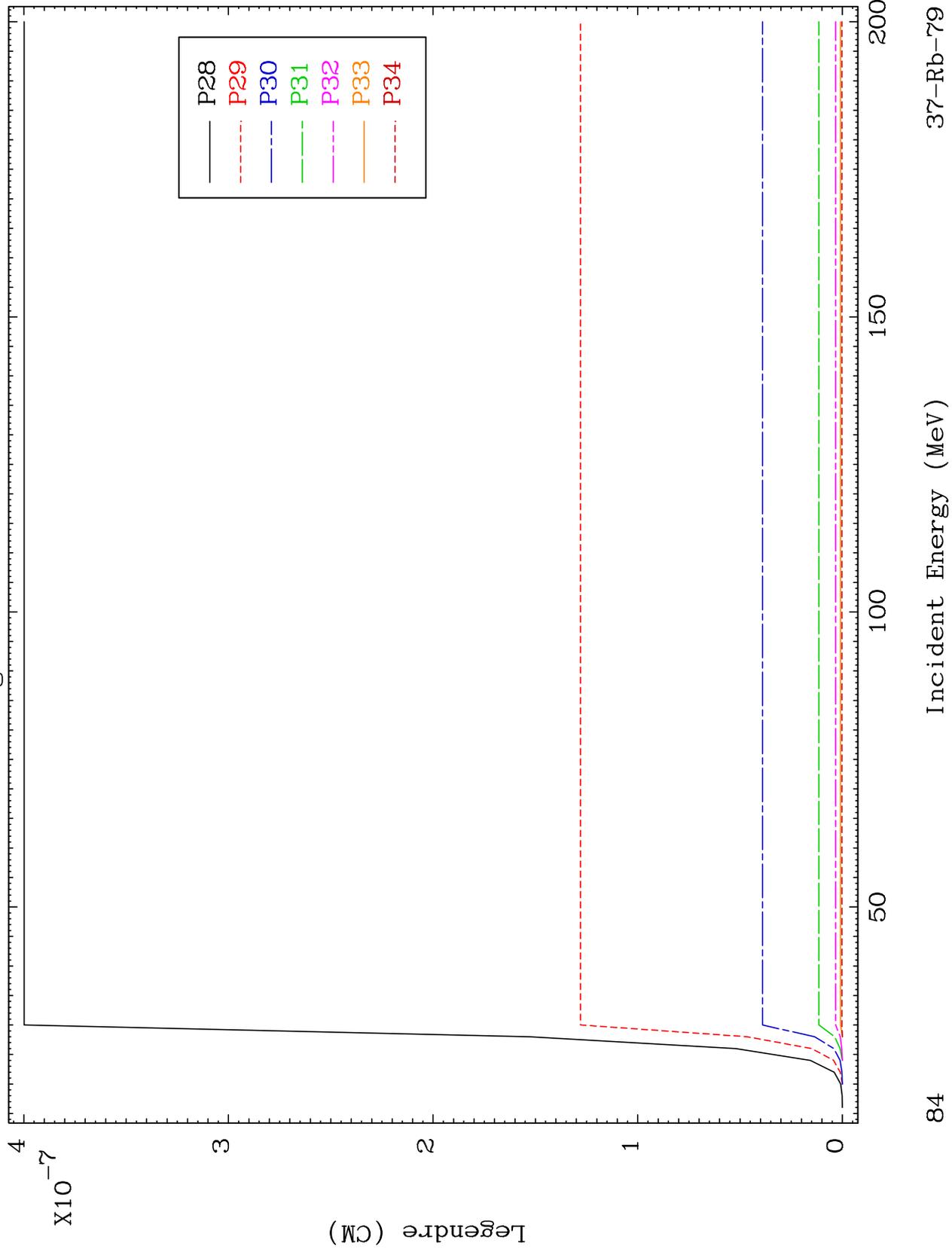
83

37-Rb-79

MAT 3707

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

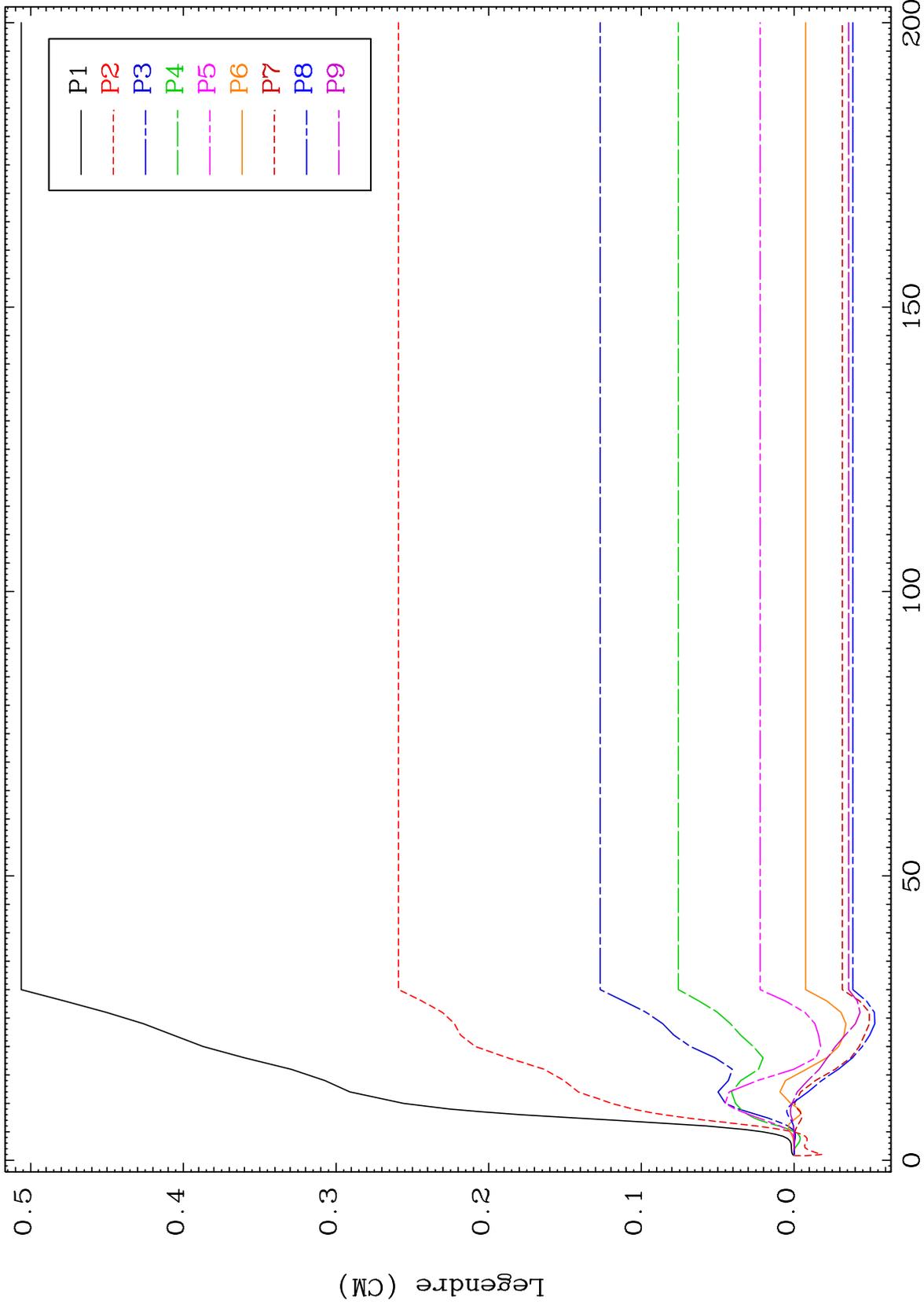
37-Rb-79



MAT 3707

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

37-Rb-79



85

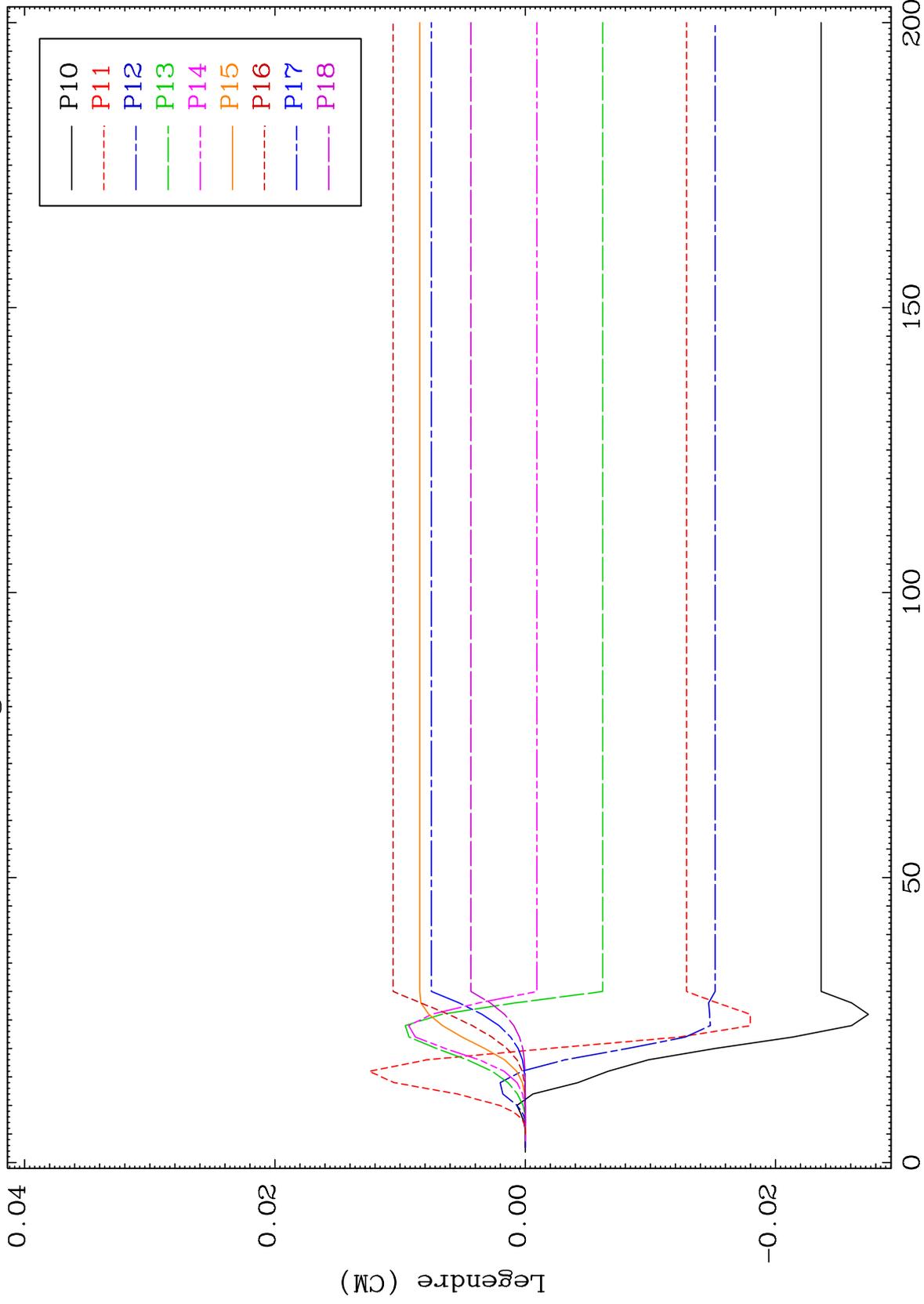
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



86

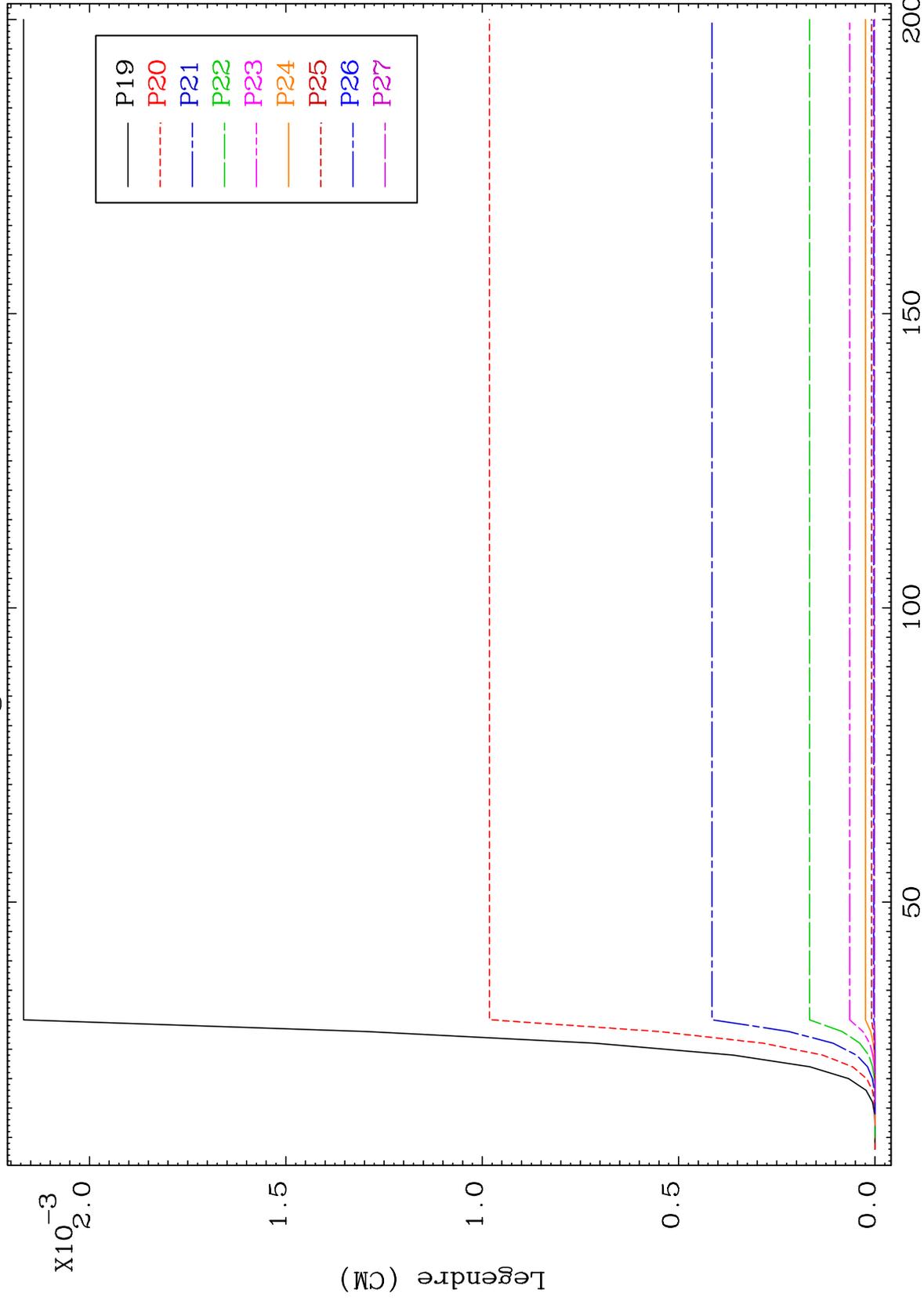
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



87

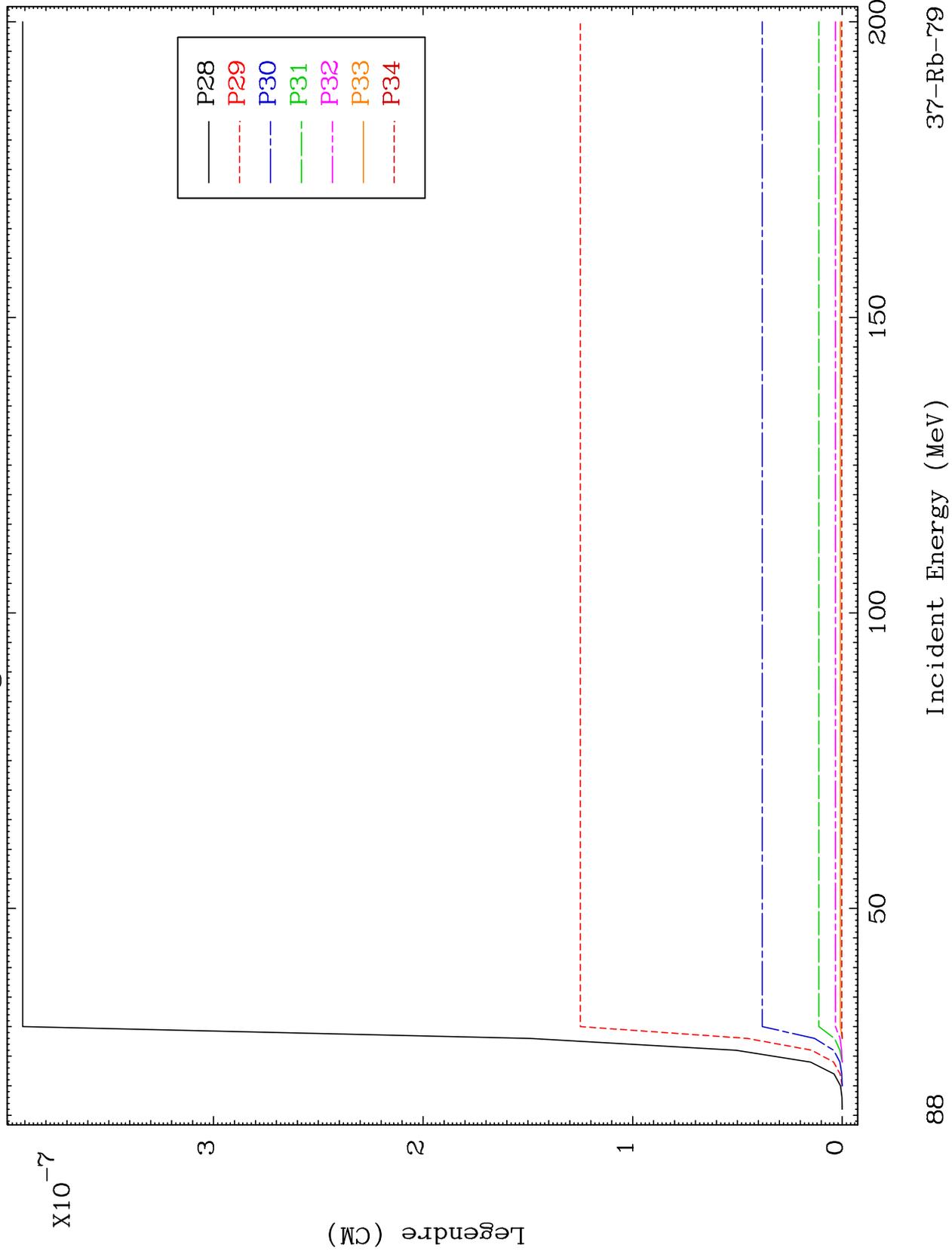
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

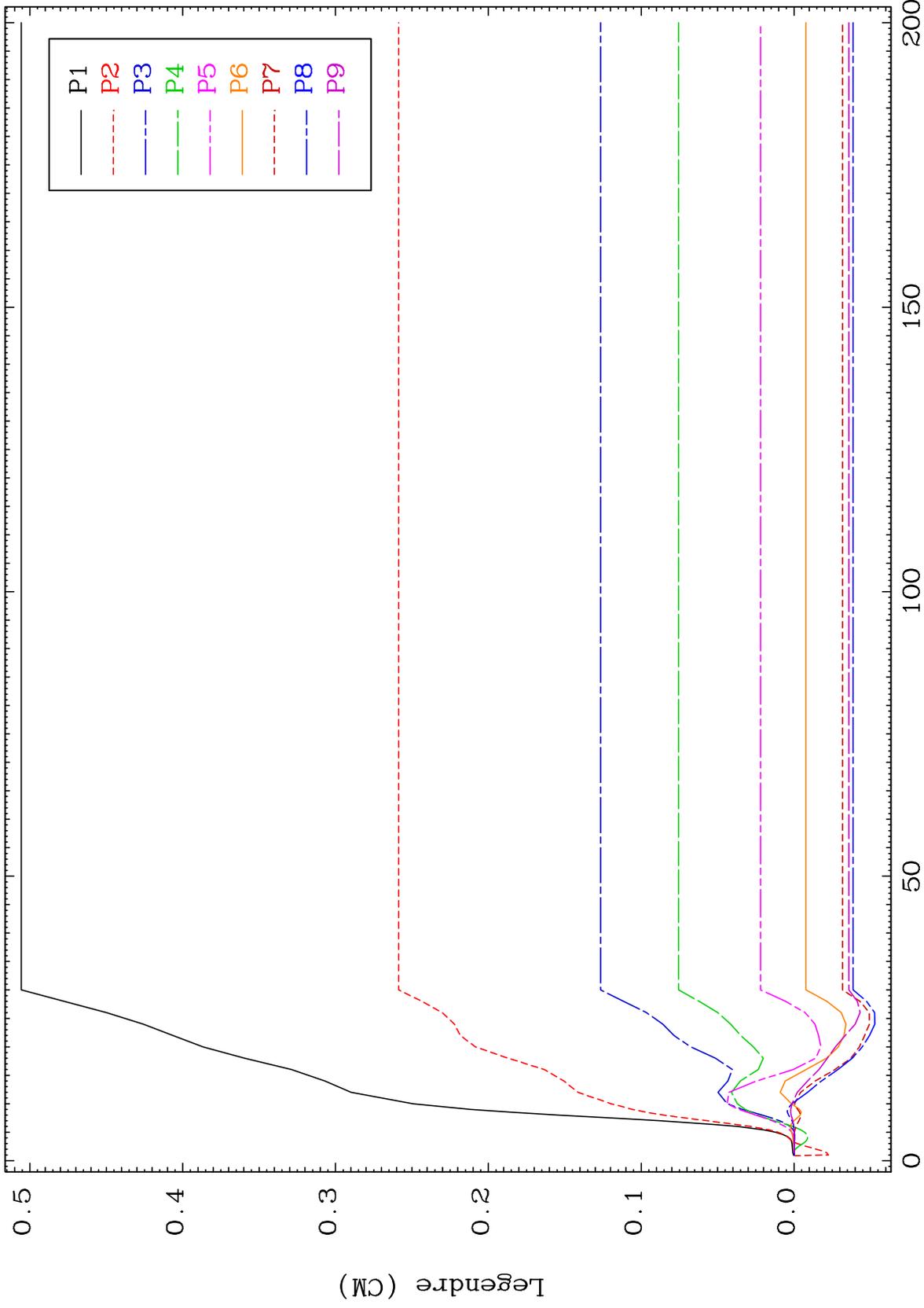
37-Rb-79



MAT 3707

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

37-Rb-79



89

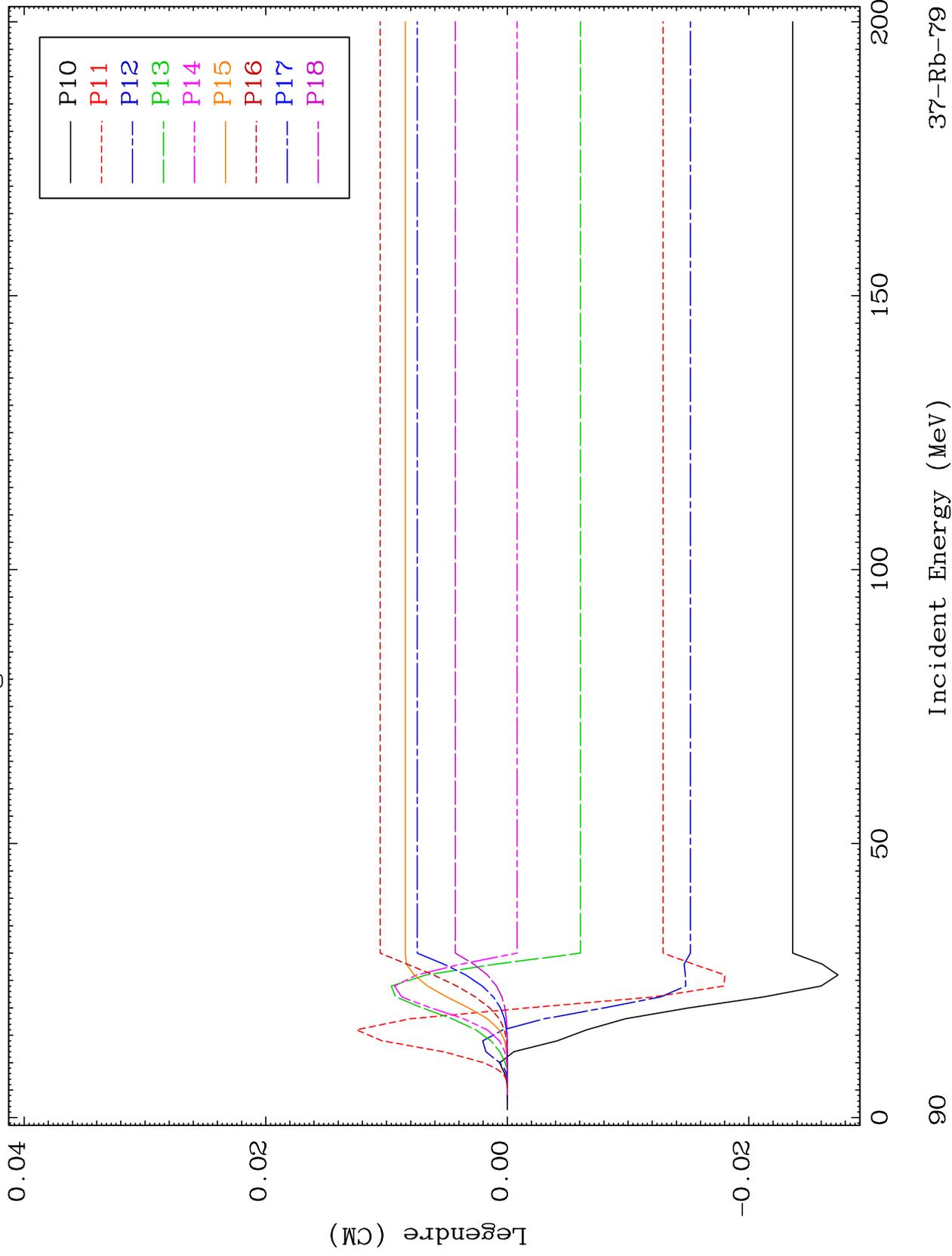
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



37-Rb-79

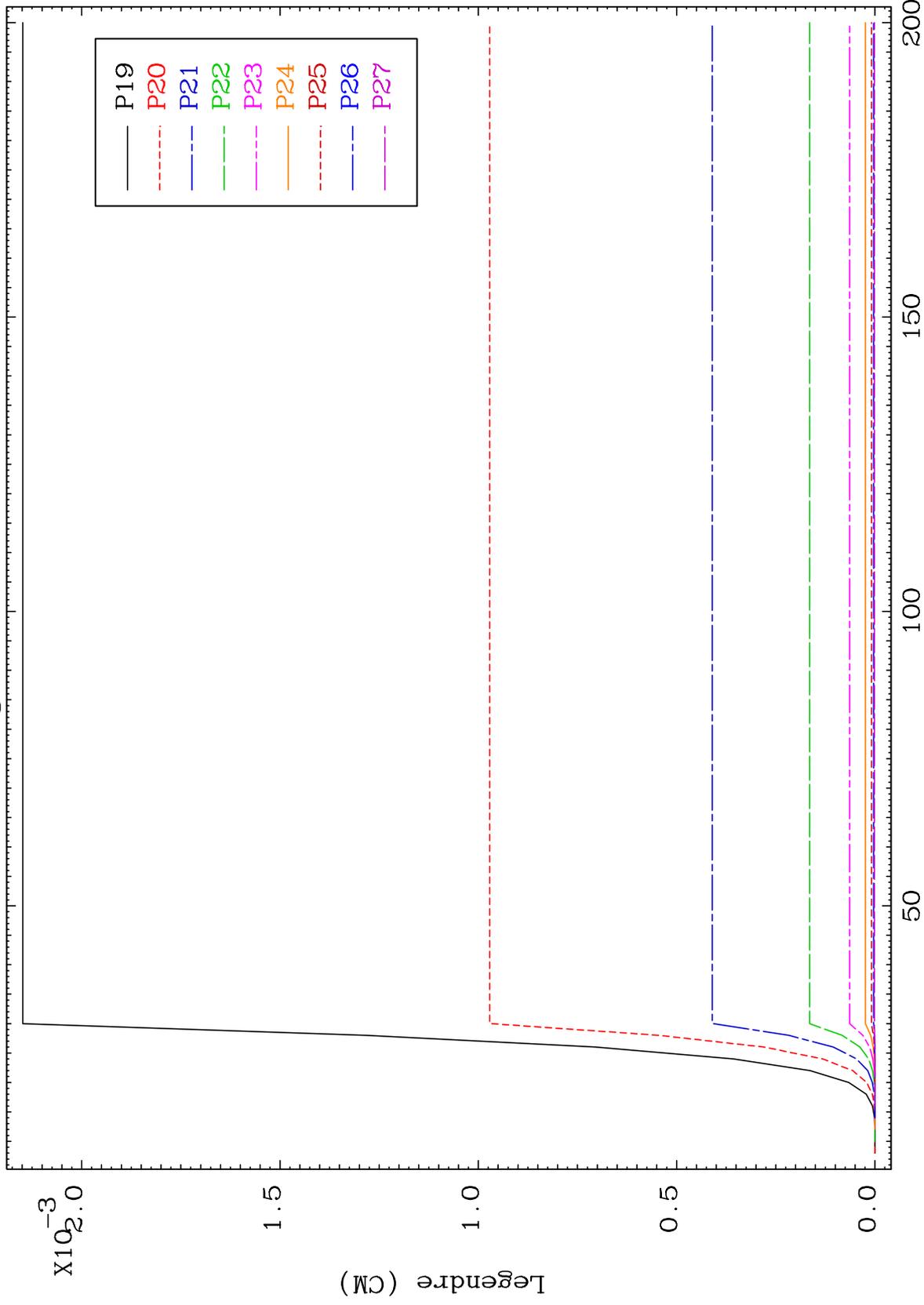
Incident Energy (MeV)

90

MAT 3707

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

37-Rb-79



91

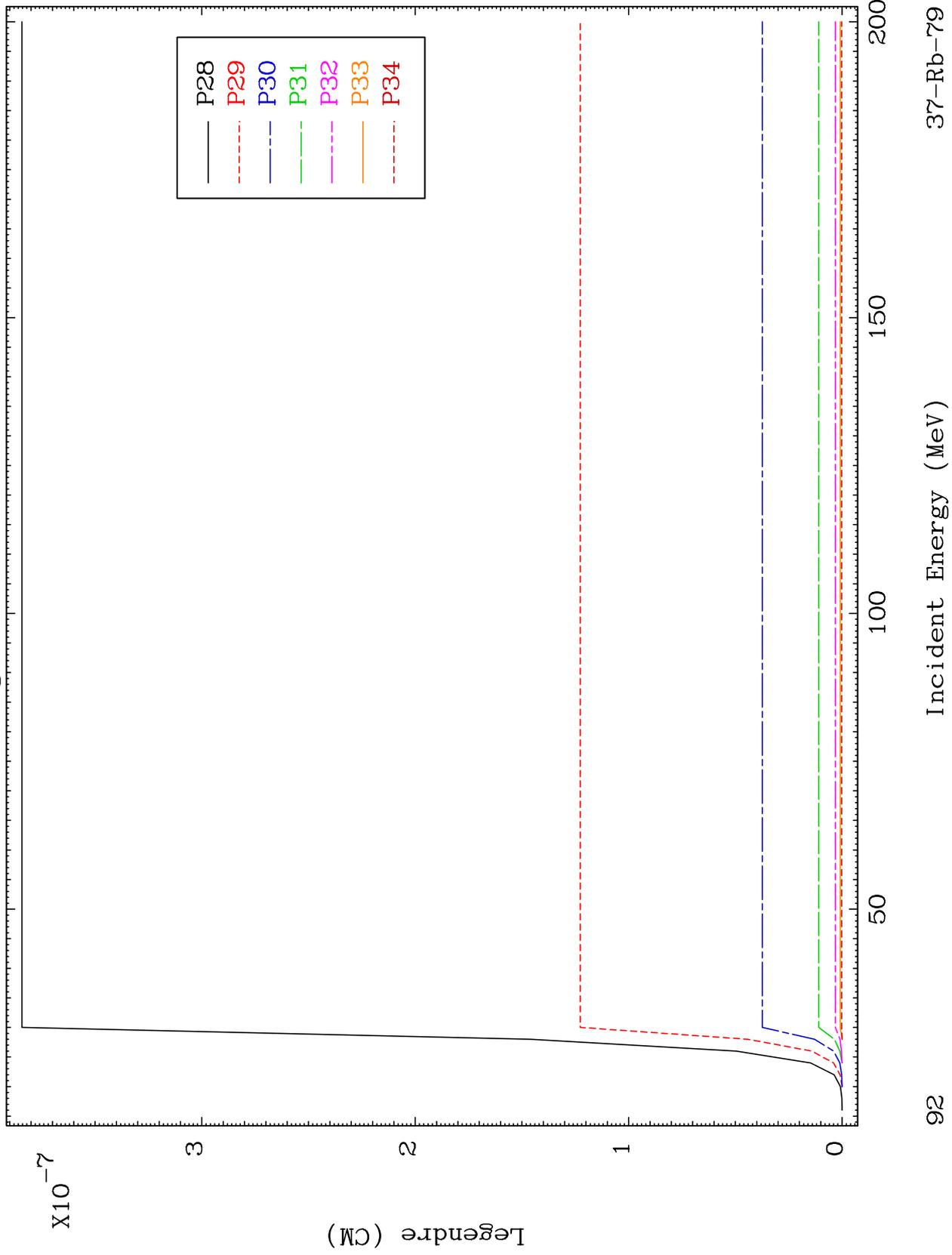
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

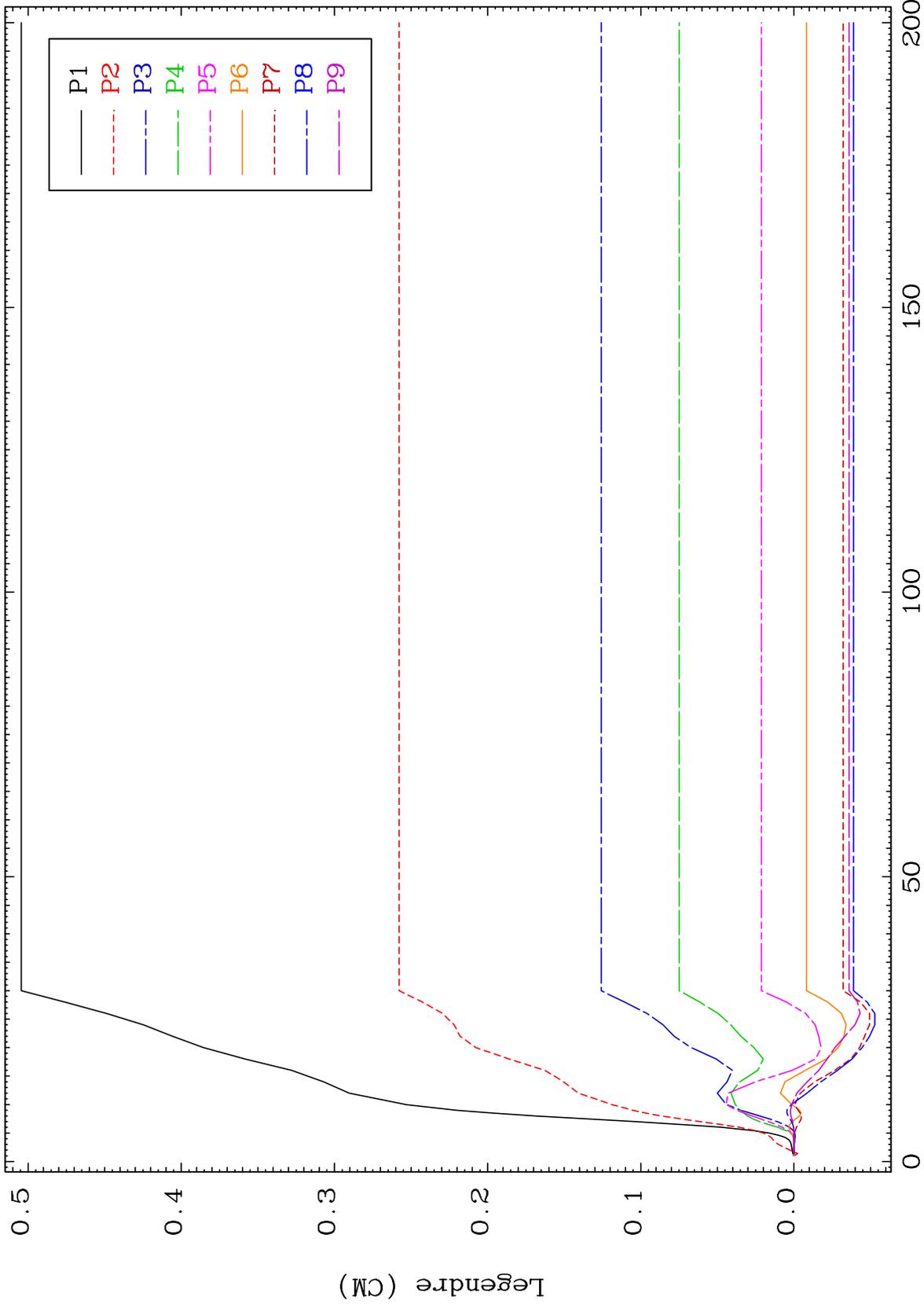
37-Rb-79



MAT 3707

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

37-Rb-79



93

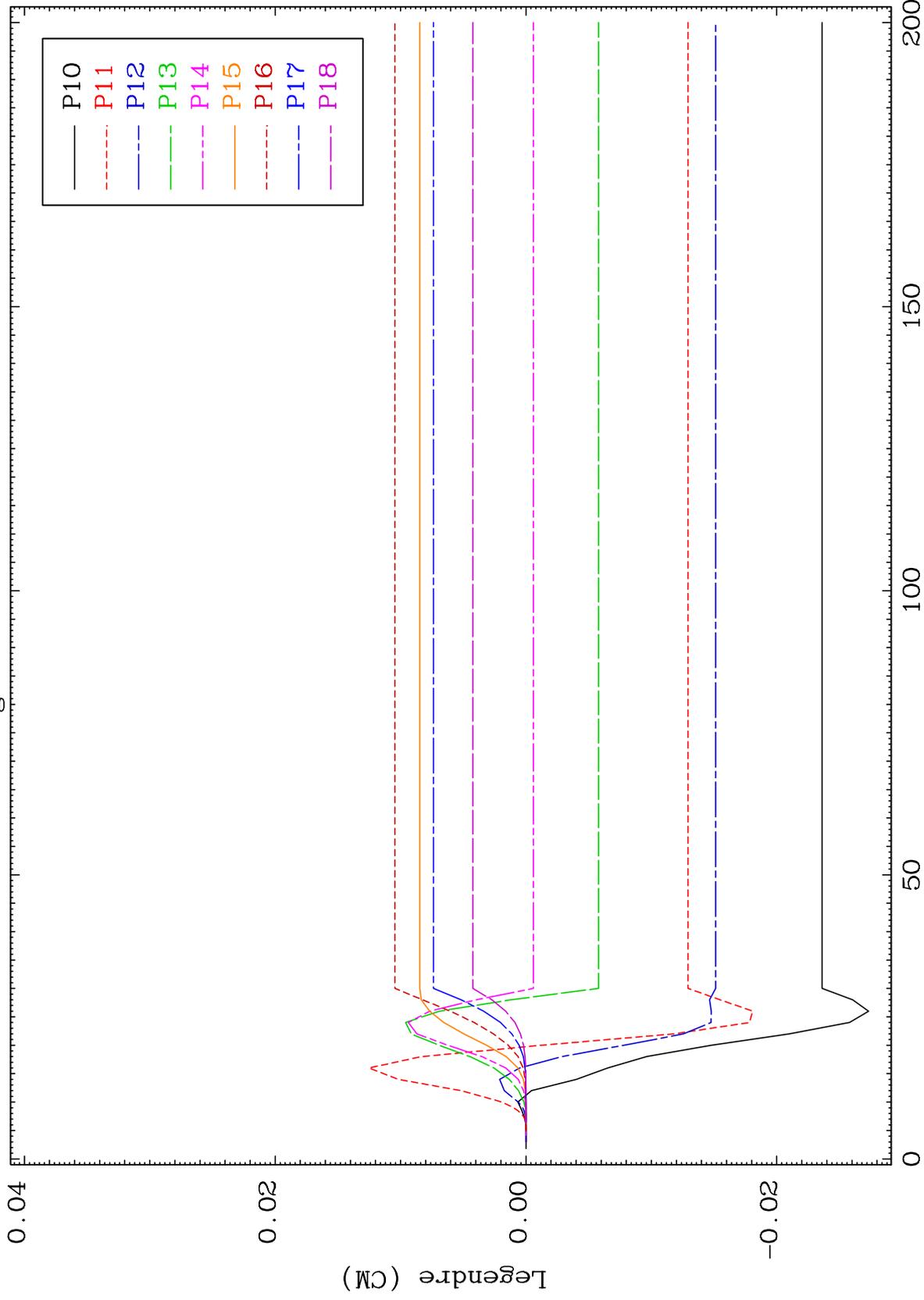
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



94

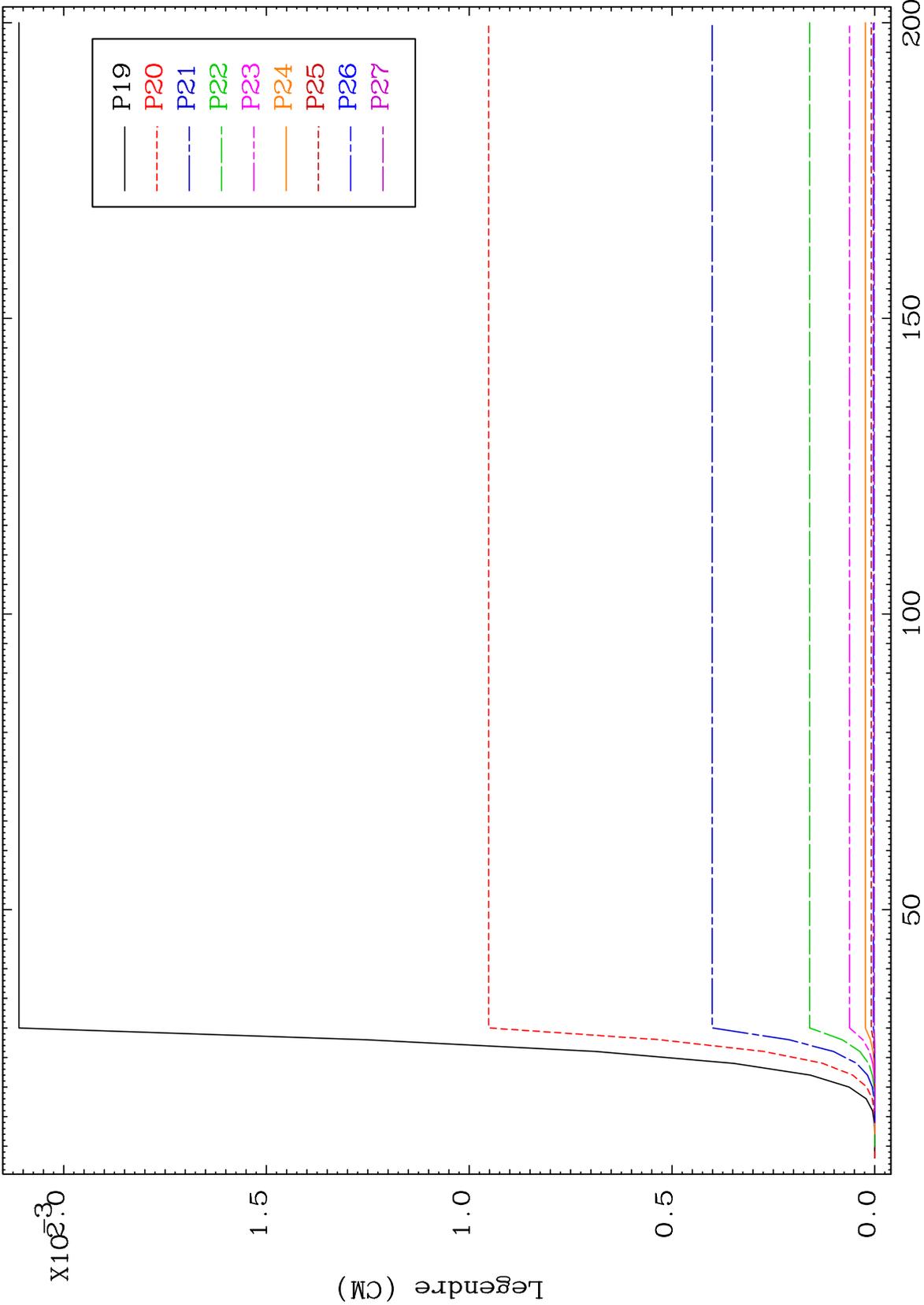
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



95

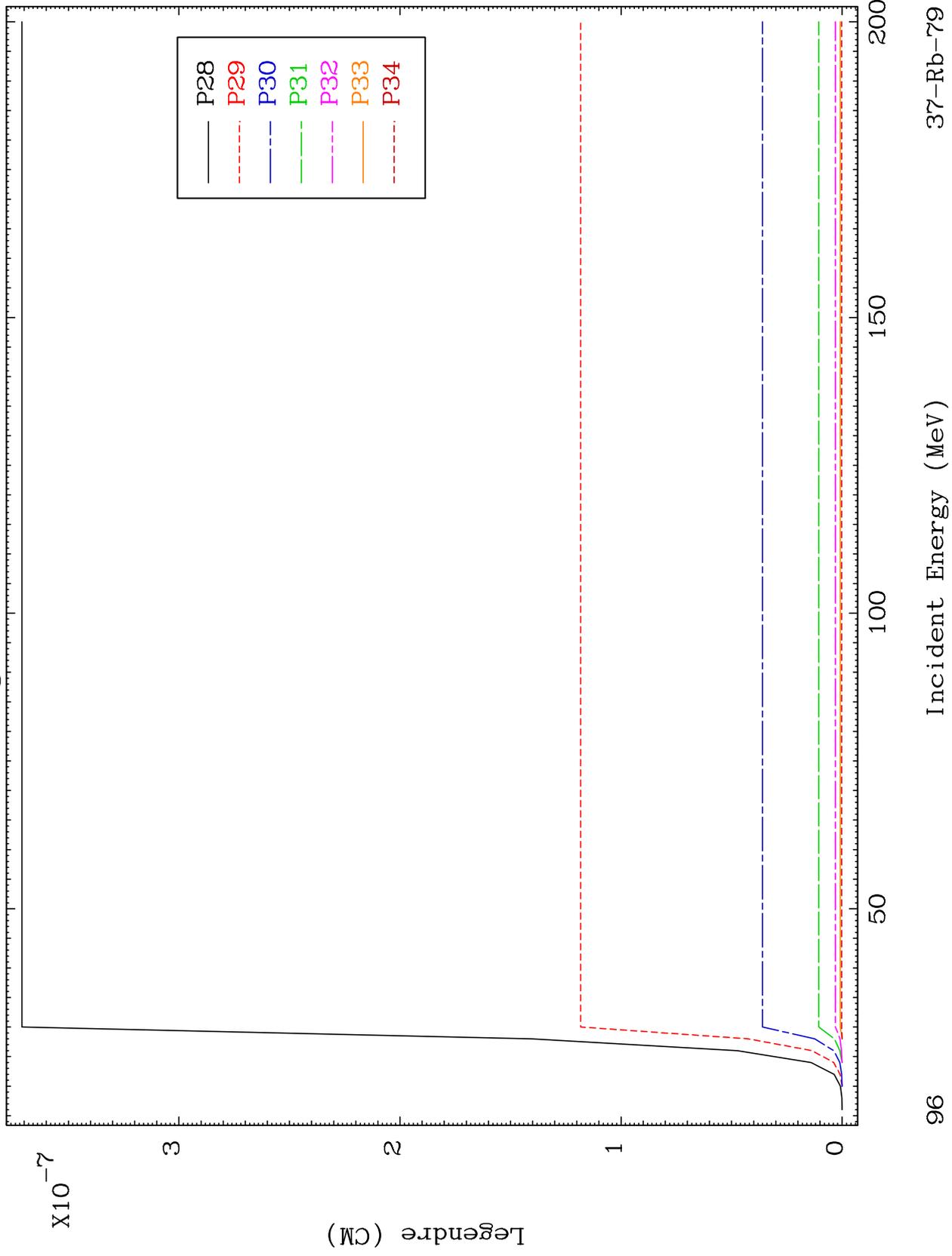
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



96

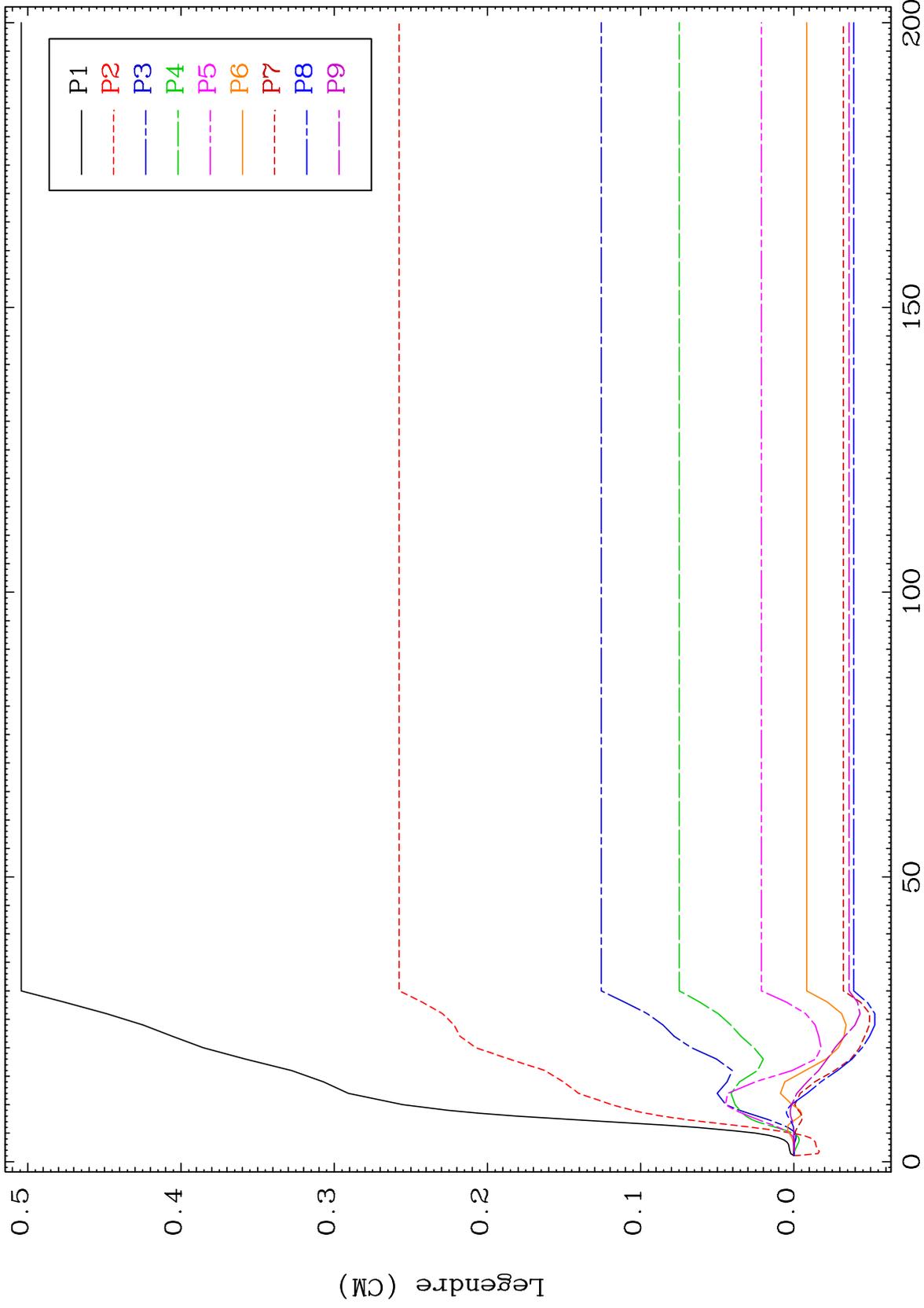
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



97

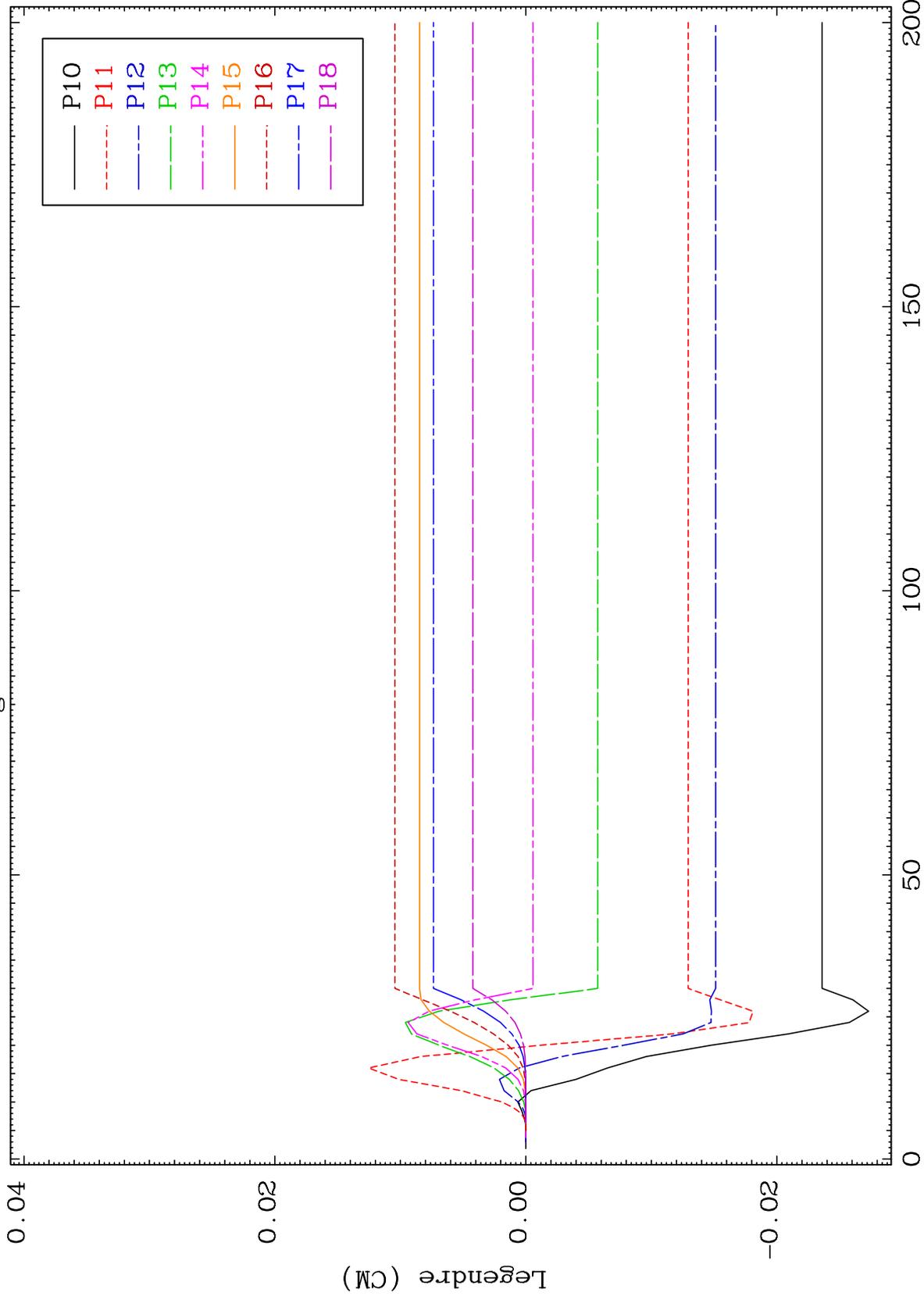
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



98

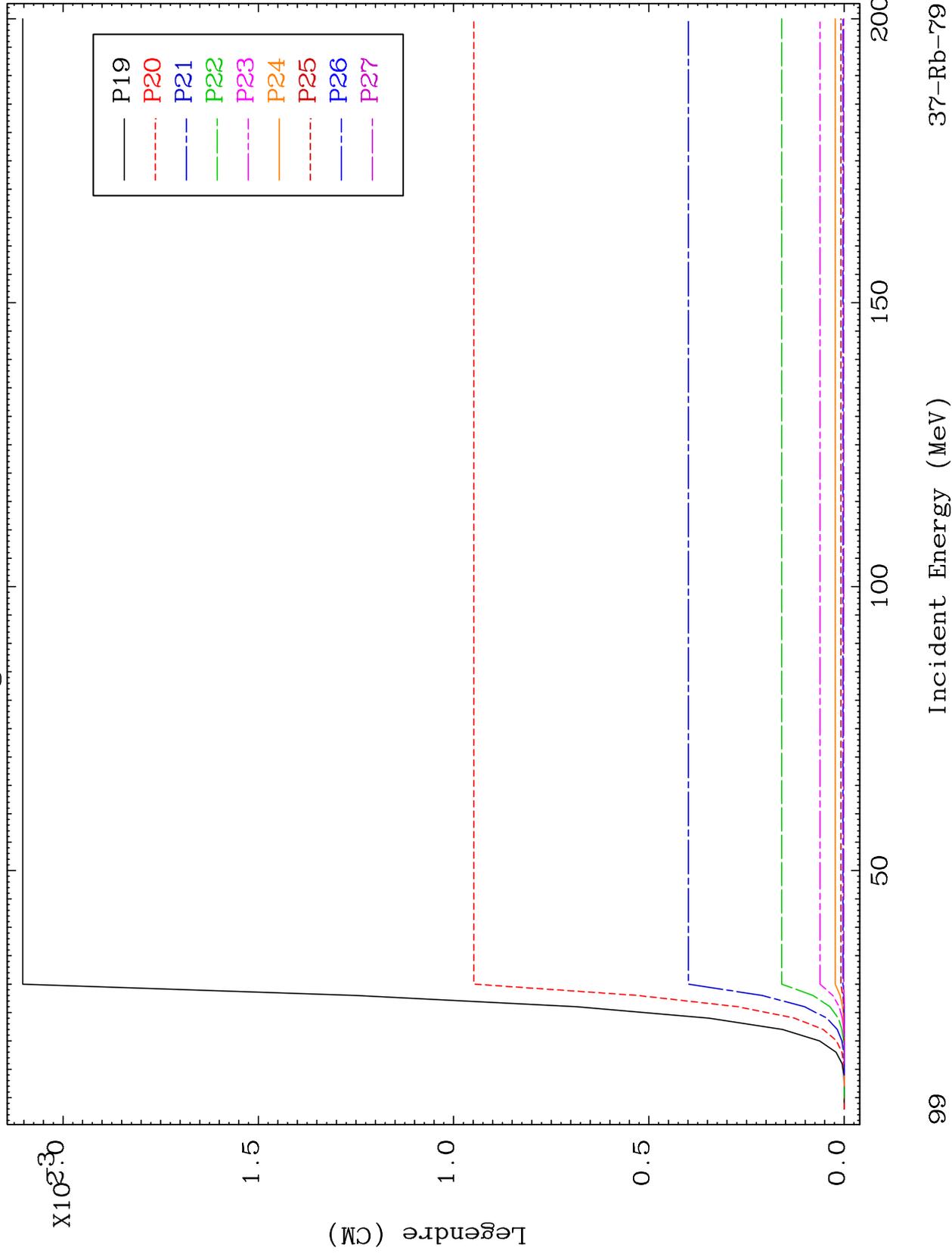
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

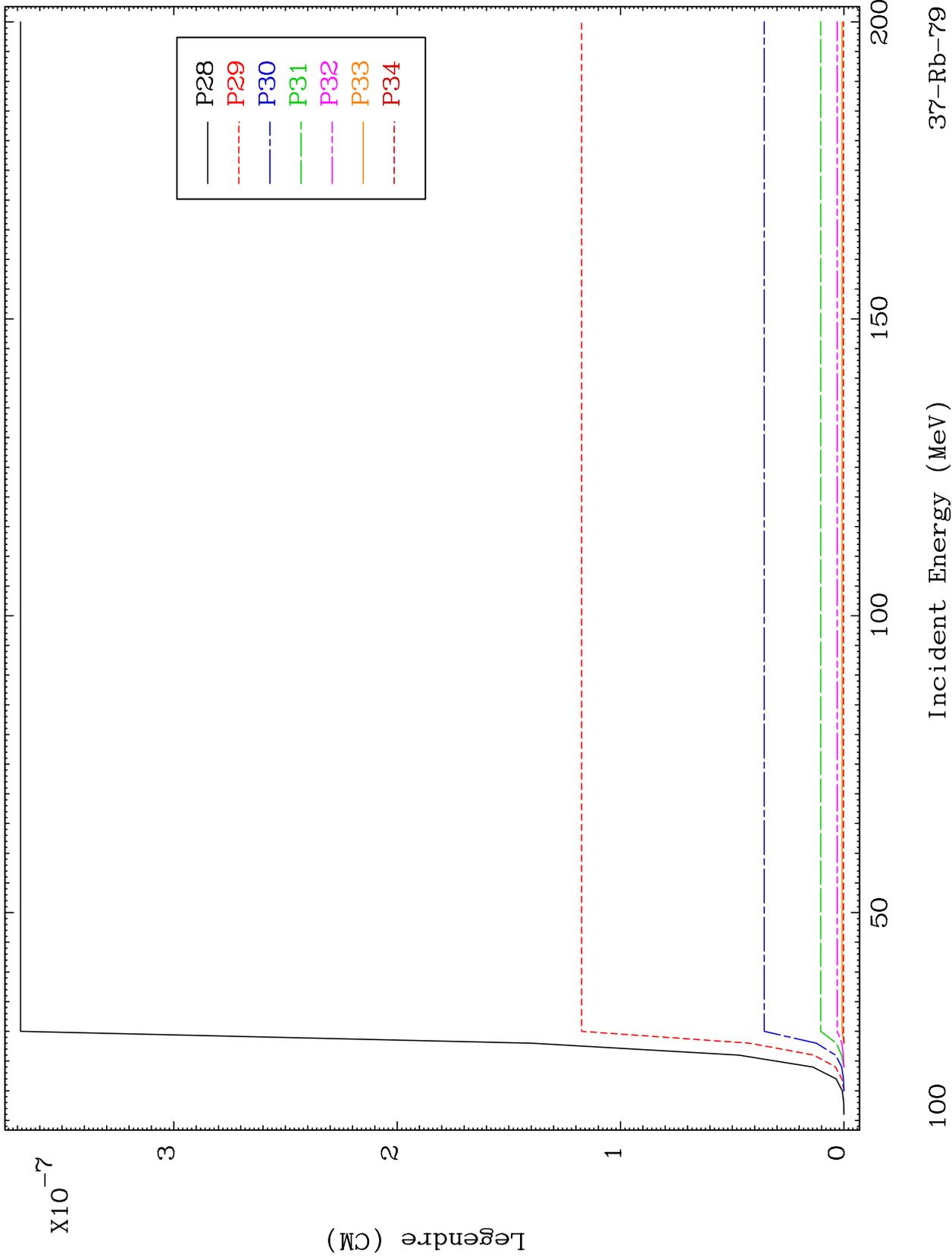
37-Rb-79



MAT 3707

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

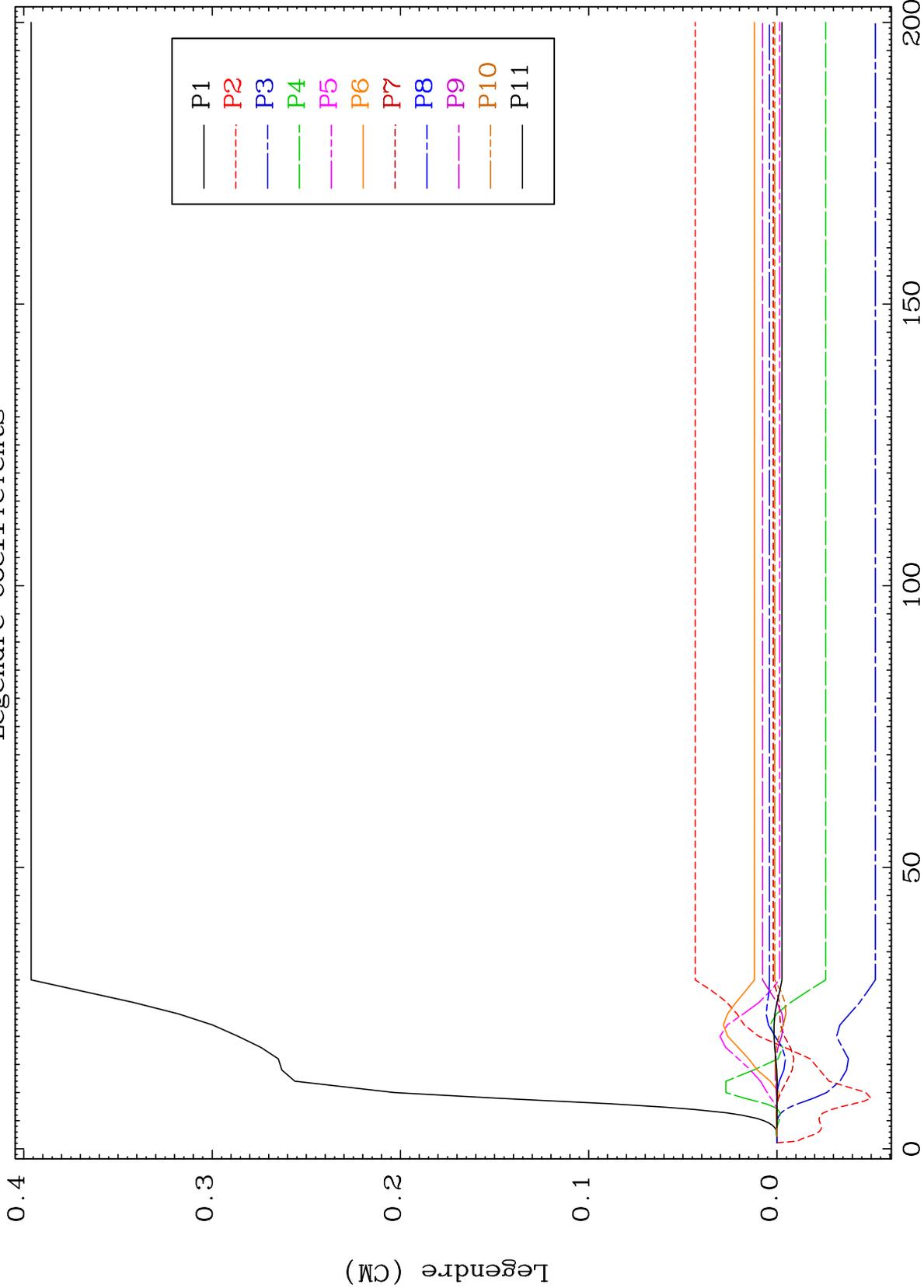
37-Rb-79



MAT 3707

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

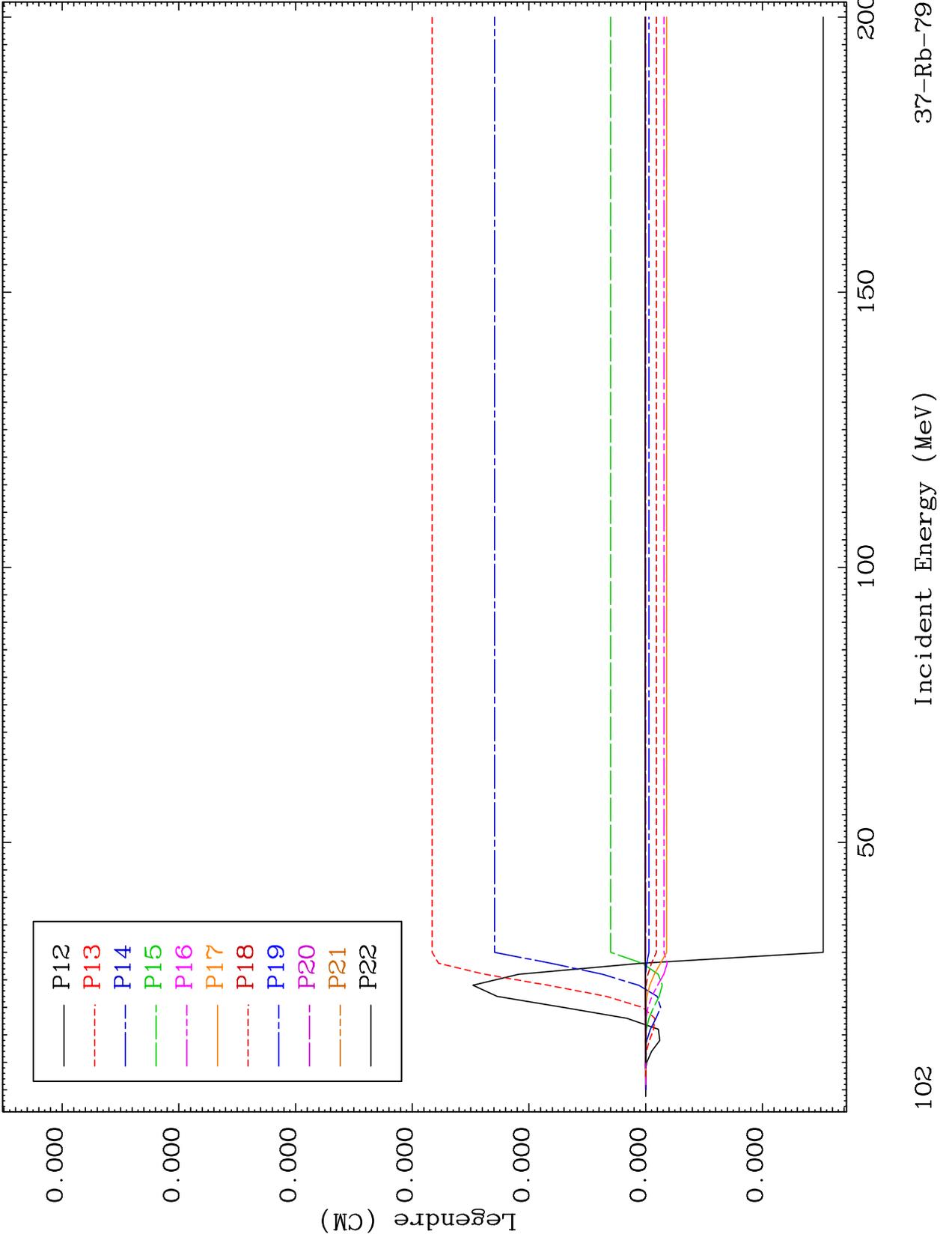
37-Rb-79



101

Incident Energy (MeV)

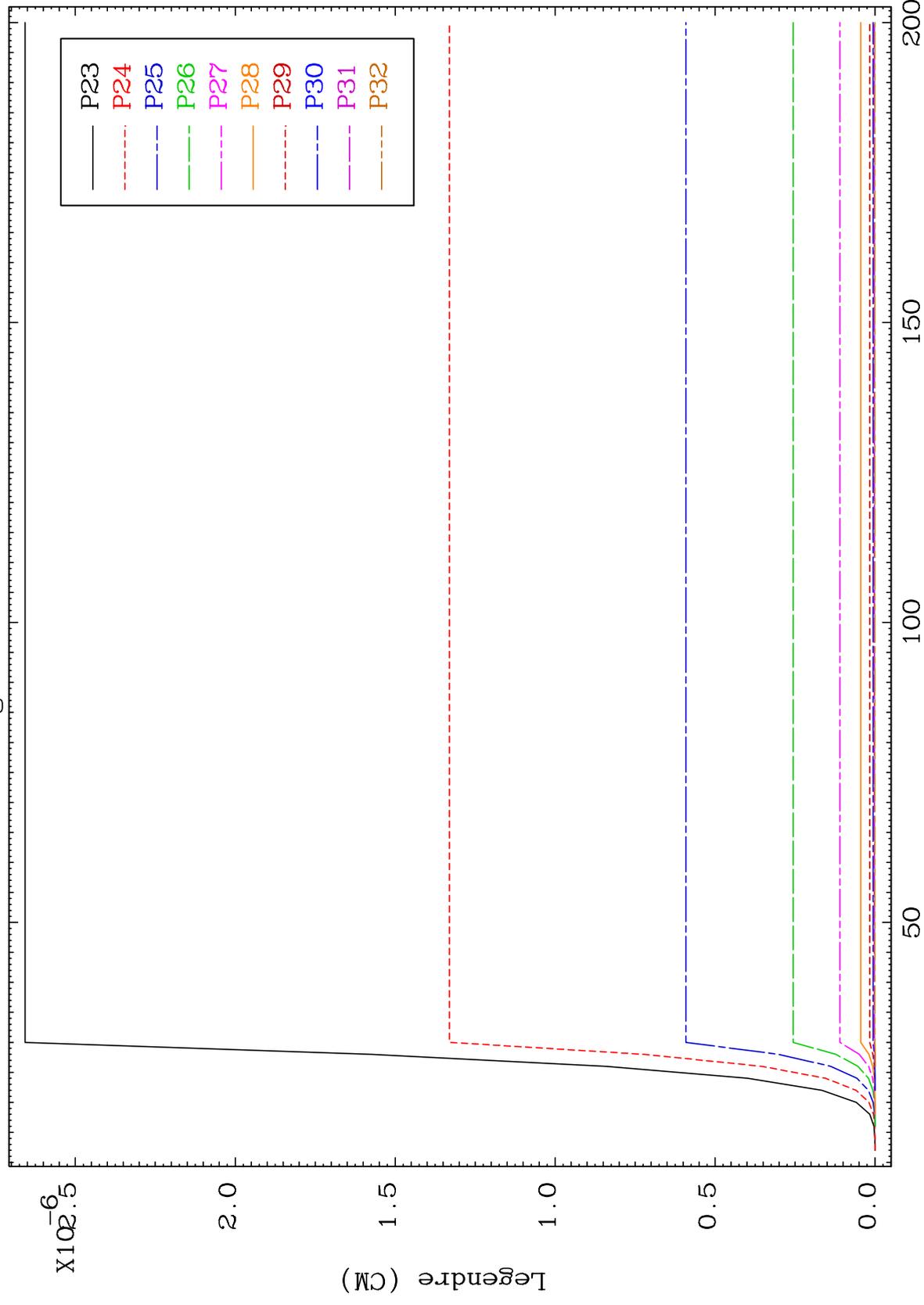
37-Rb-79



MAT 3707

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

37-Rb-79



103

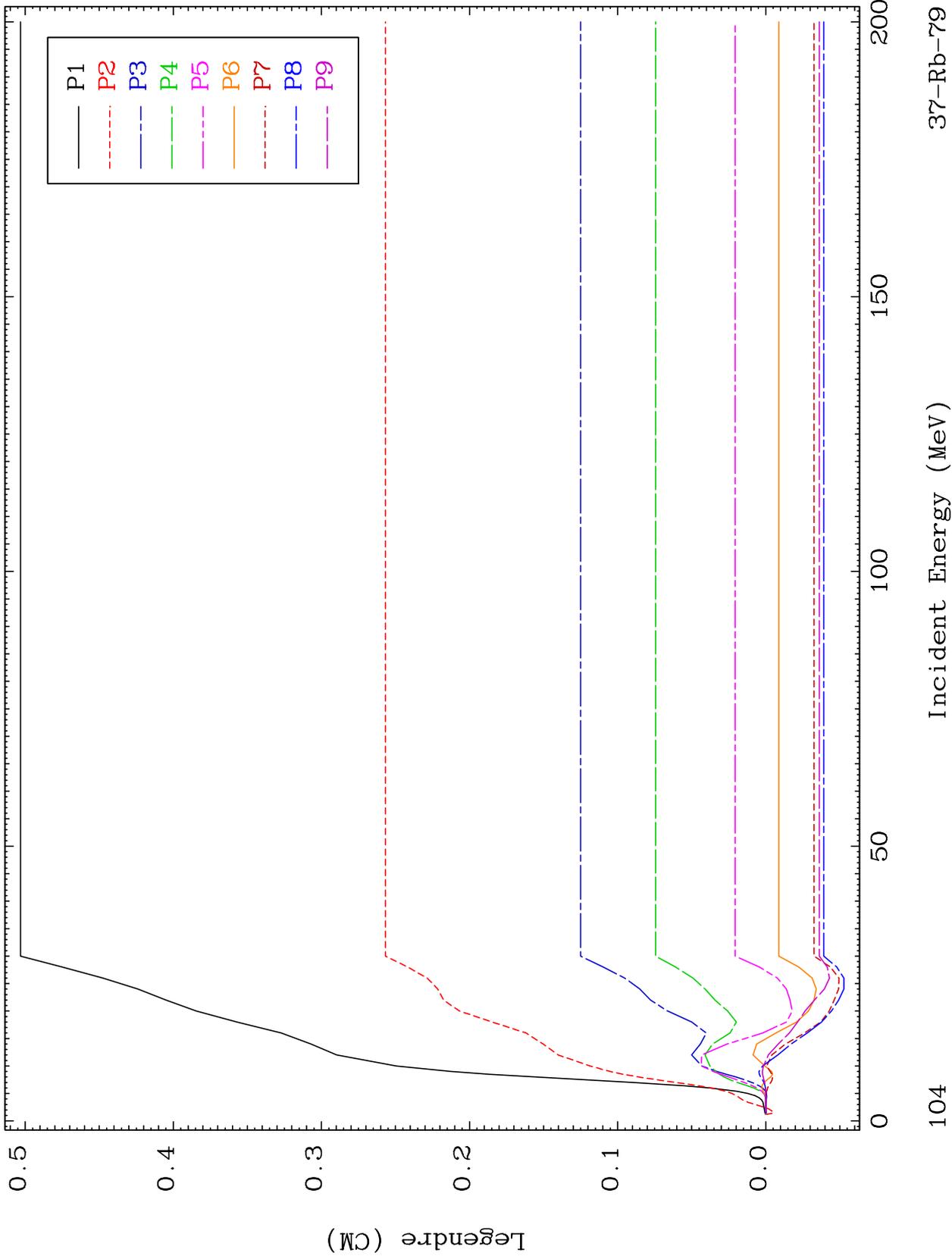
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79

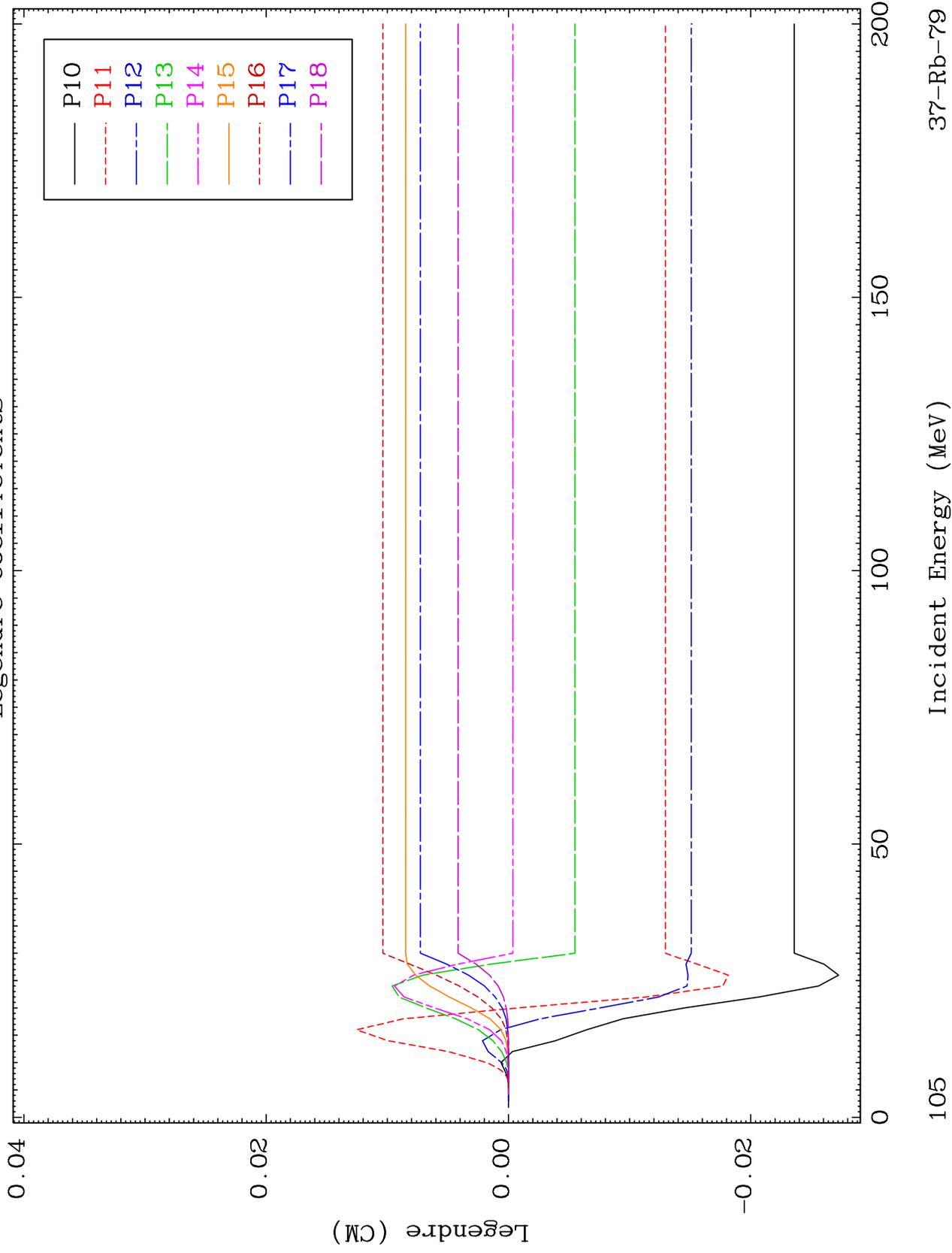


104

MAT 3707

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

37-Rb-79



37-Rb-79

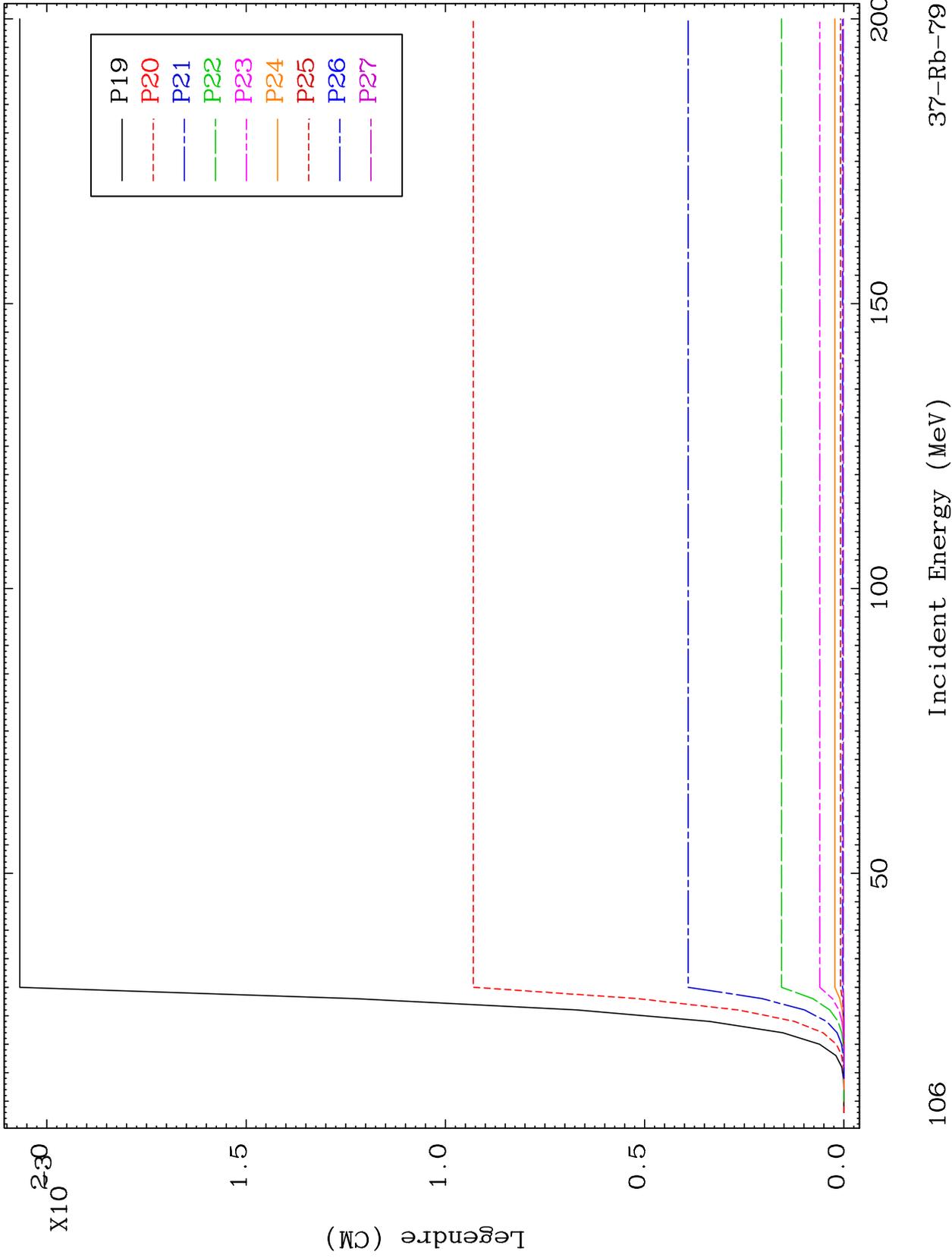
Incident Energy (MeV)

105

MAT 3707

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

37-Rb-79



106

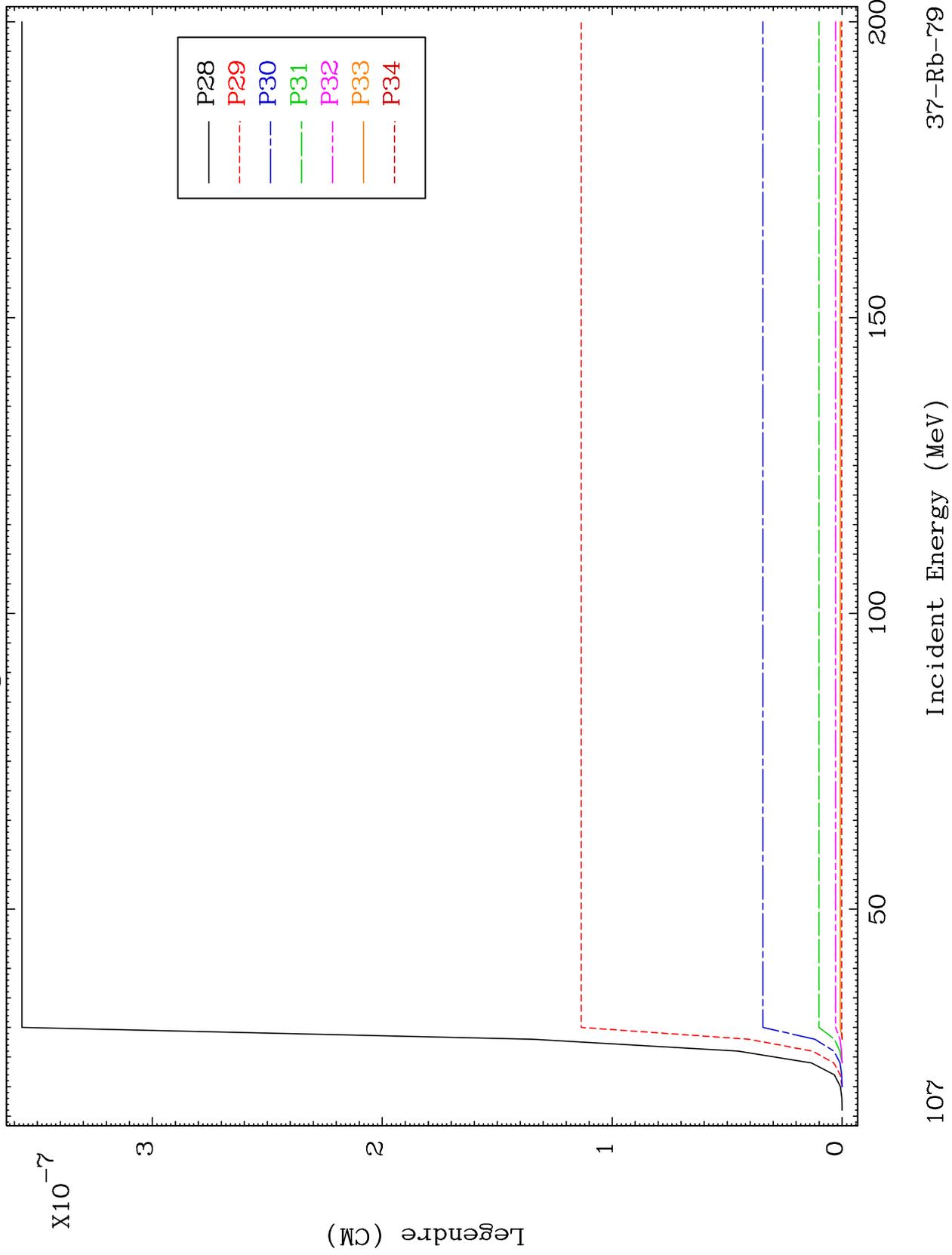
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



107

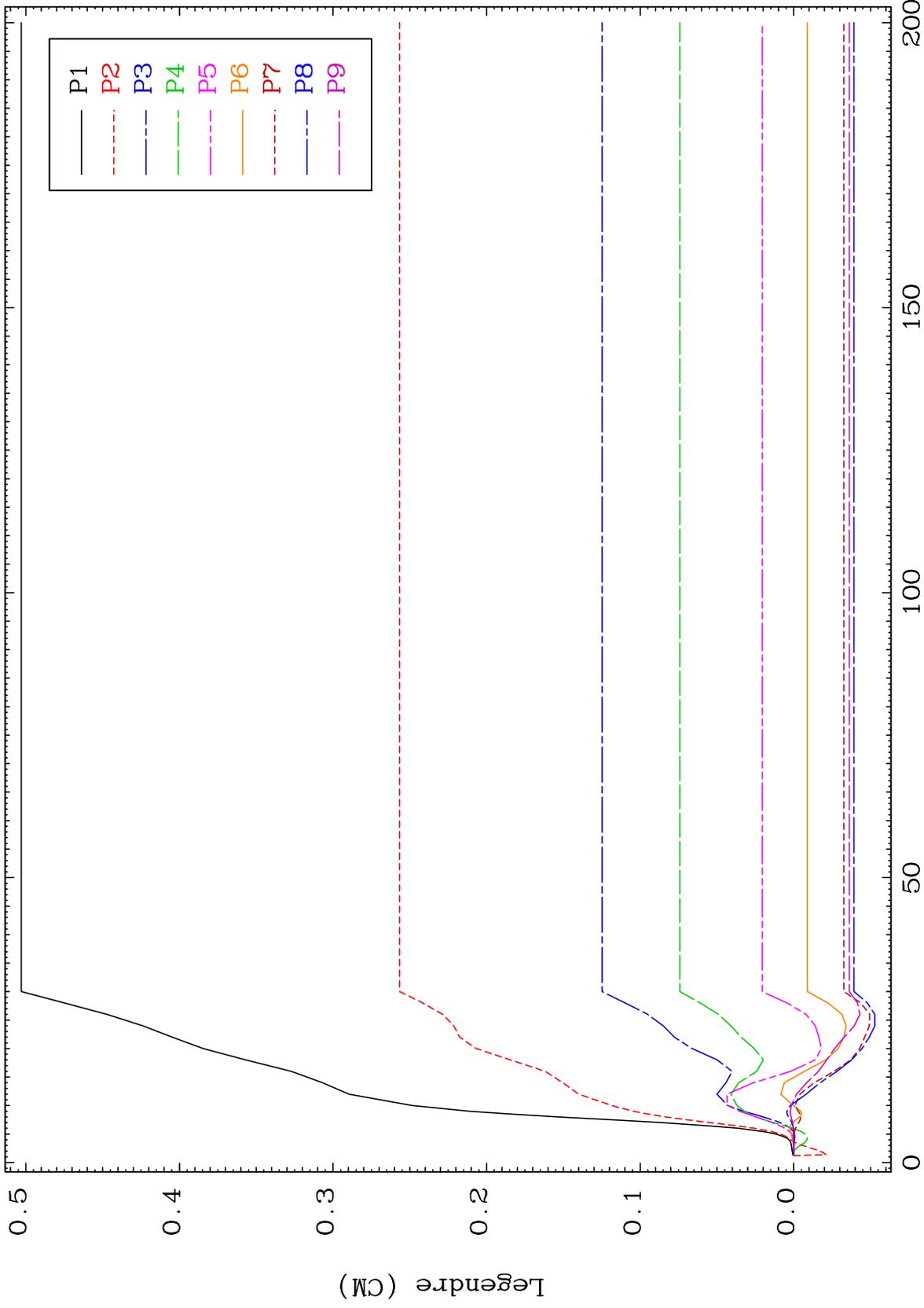
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



108

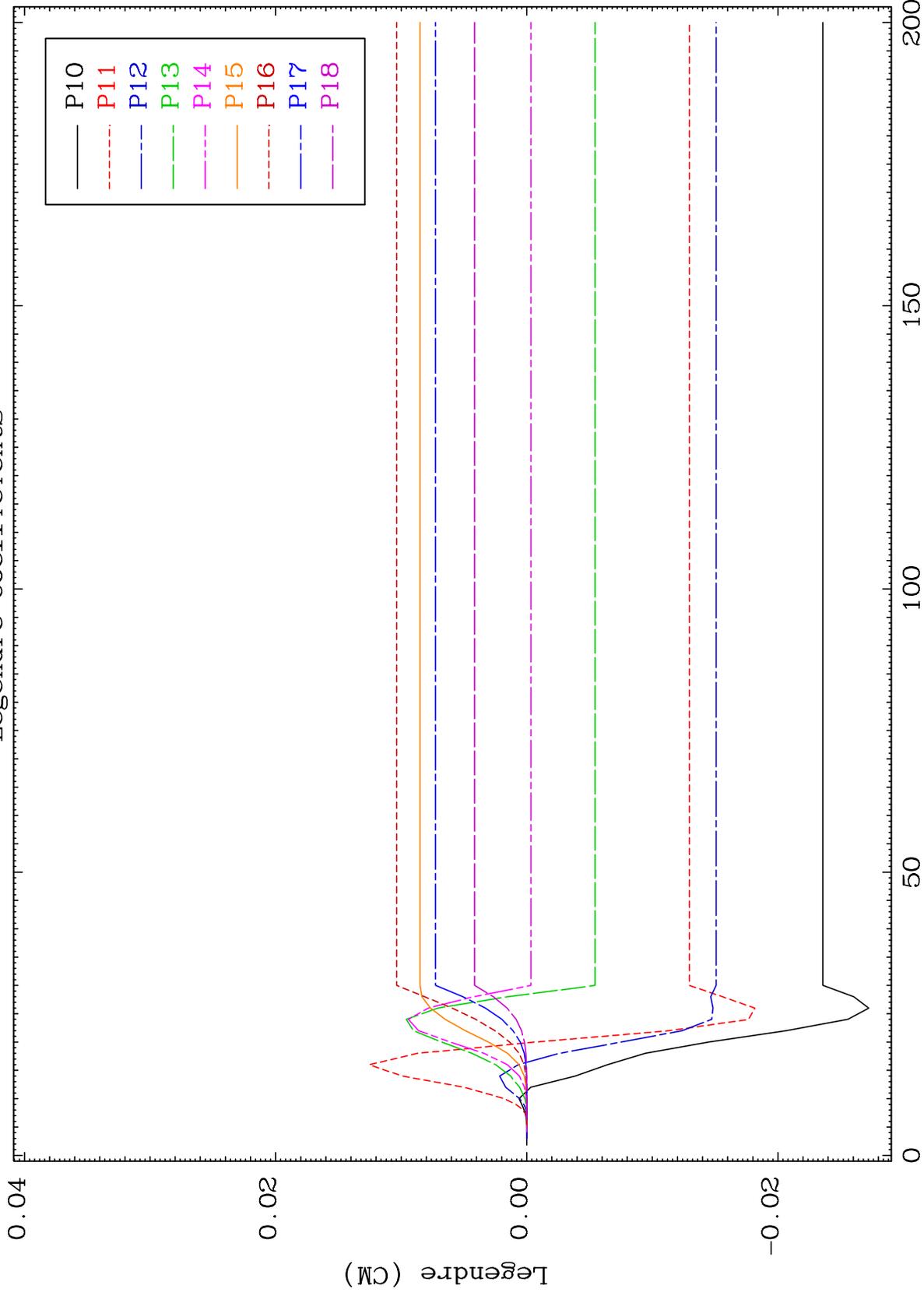
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



109

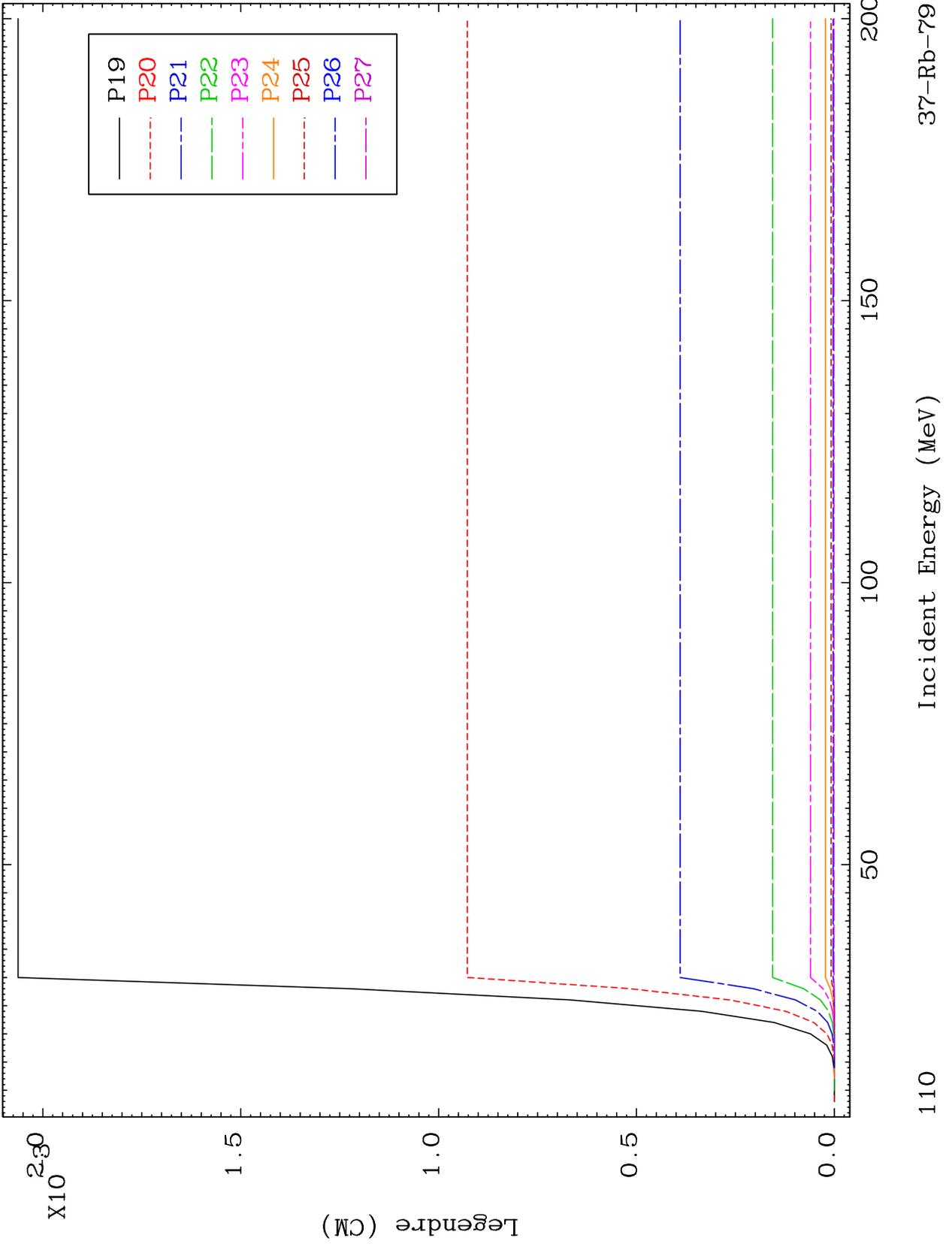
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

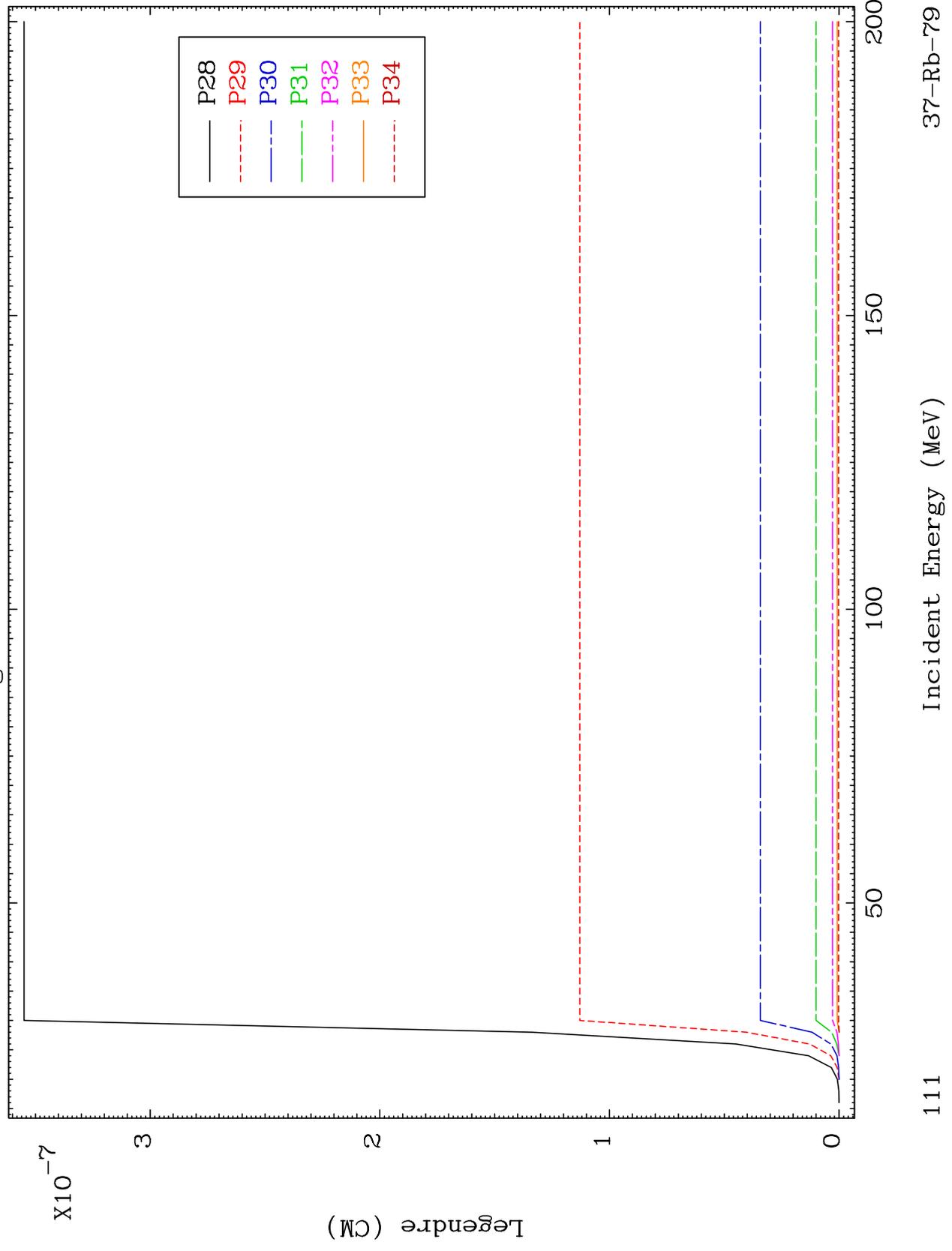
37-Rb-79



MAT 3707

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

37-Rb-79

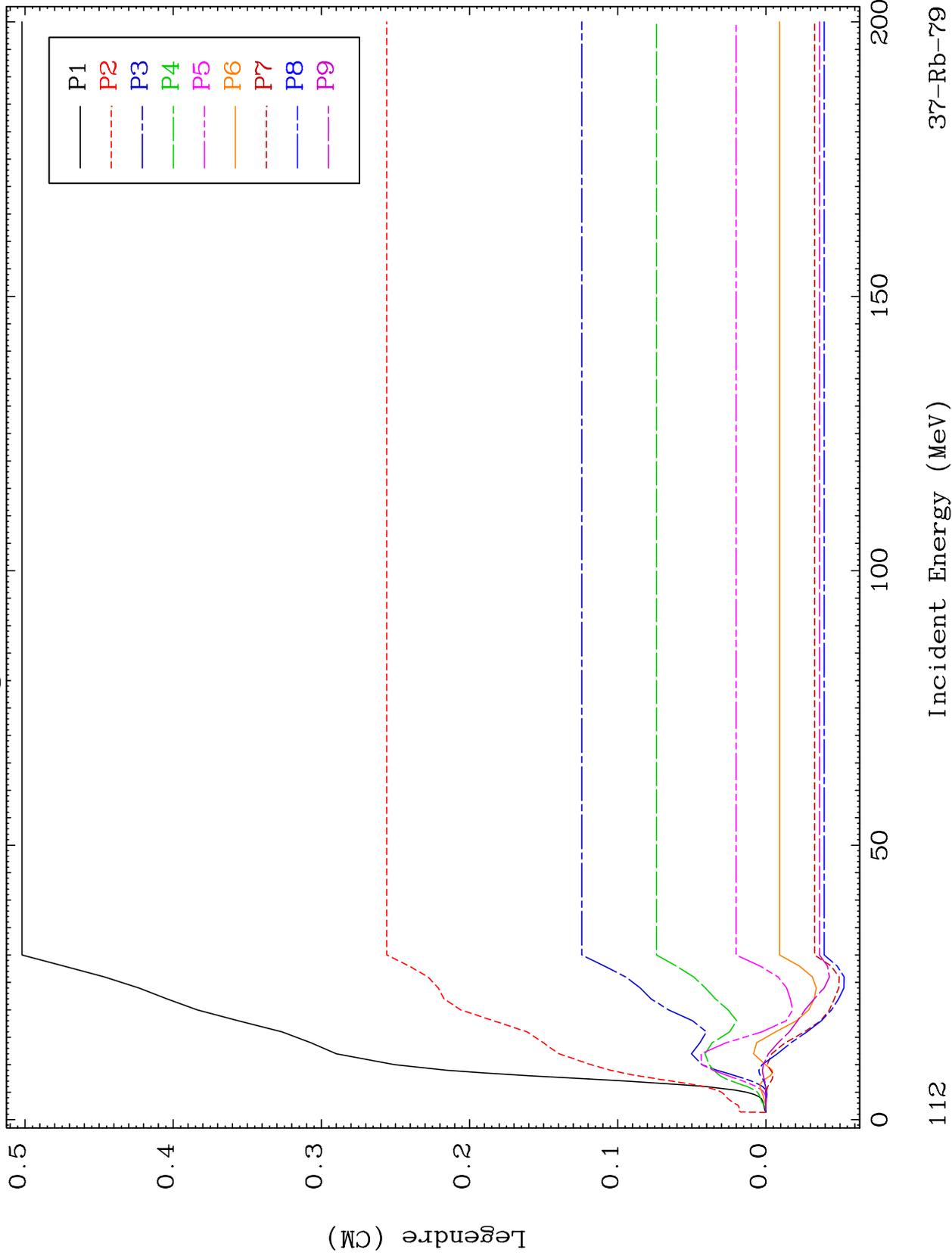


111

MAT 3707

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

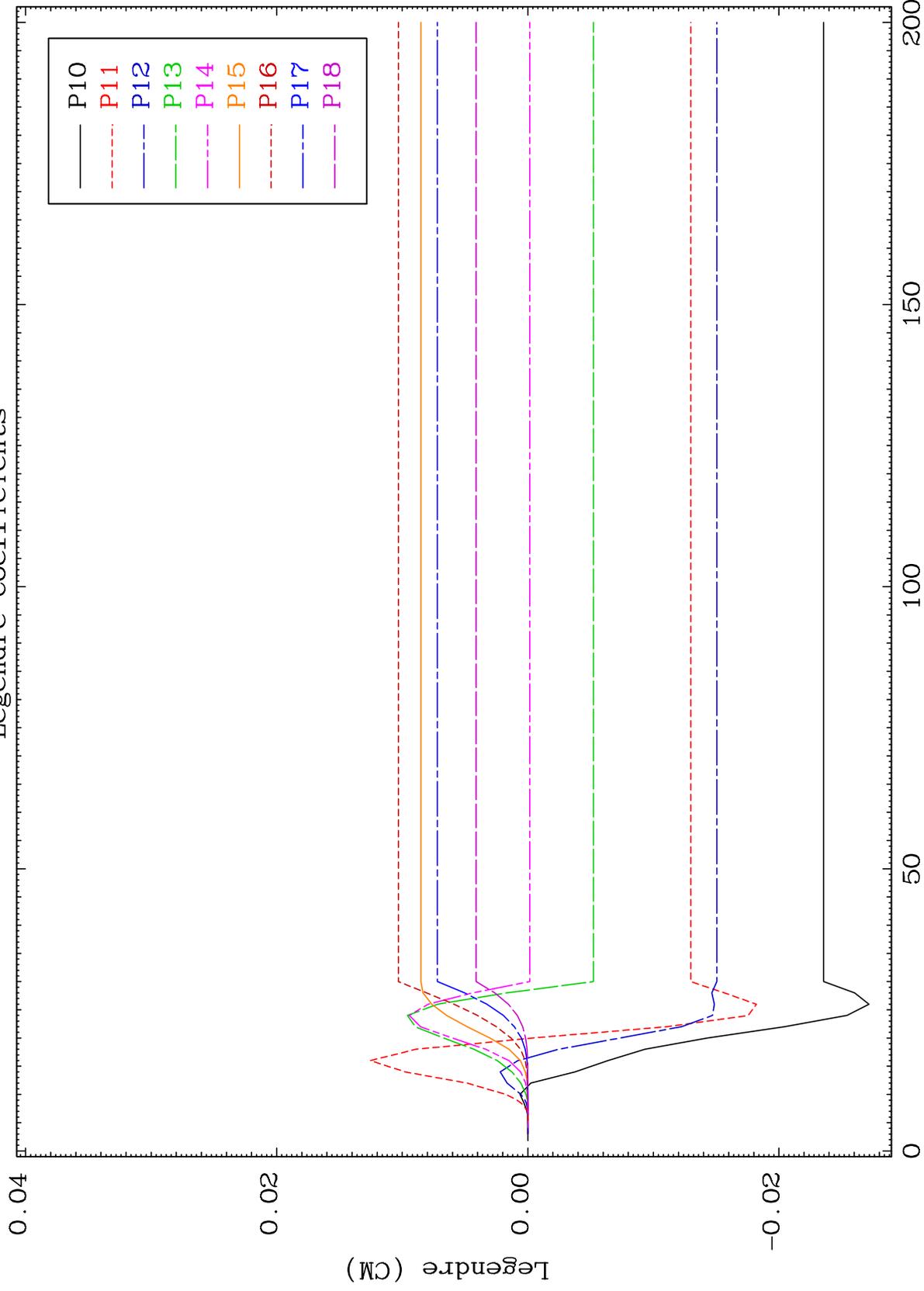
37-Rb-79



MAT 3707

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

37-Rb-79



113

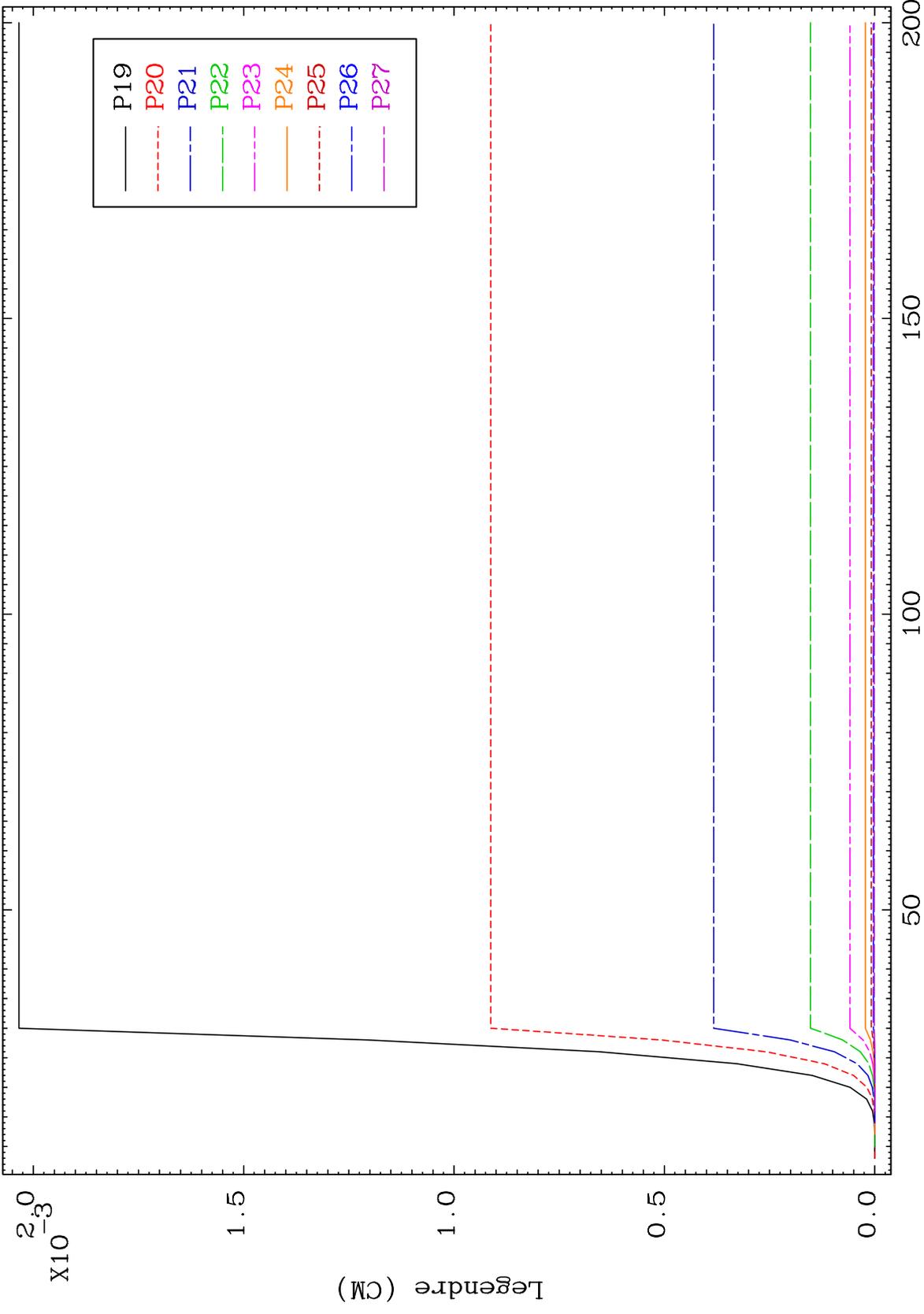
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

37-Rb-79



114

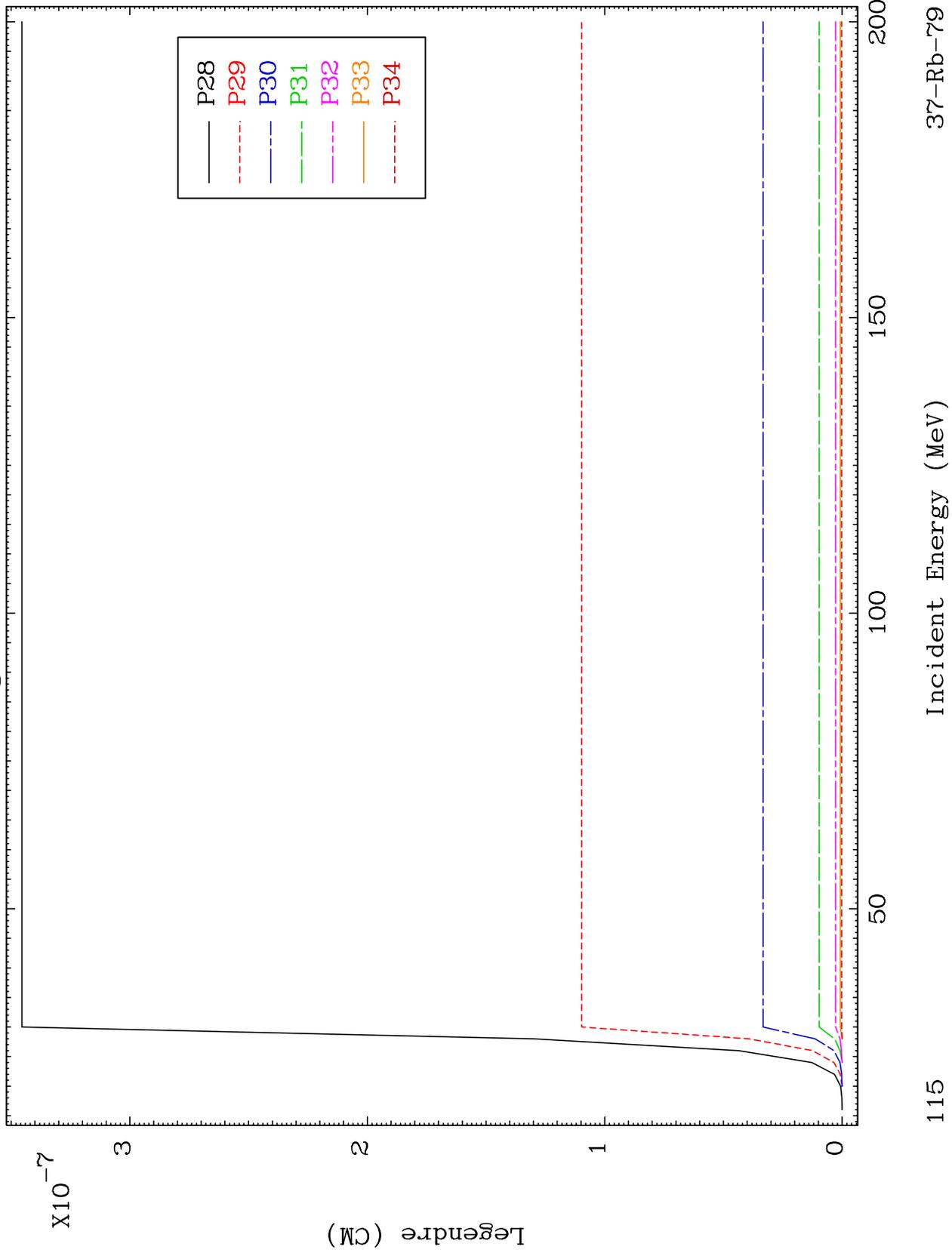
Incident Energy (MeV)

37-Rb-79

MAT 3707

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

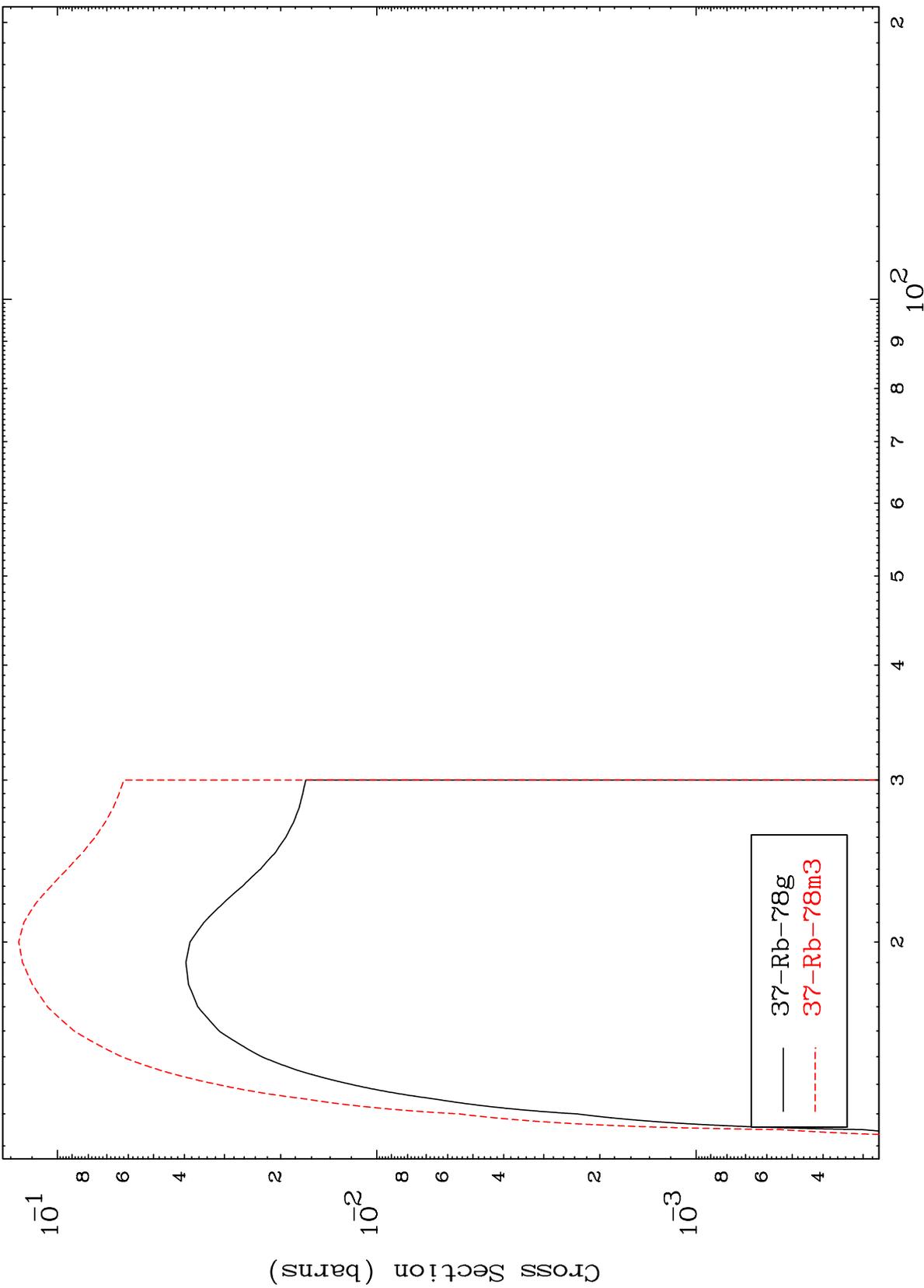
37-Rb-79



MAT 3707

37-Rb-79

Radionuclide Production Cross Section  
(n,2n)



116

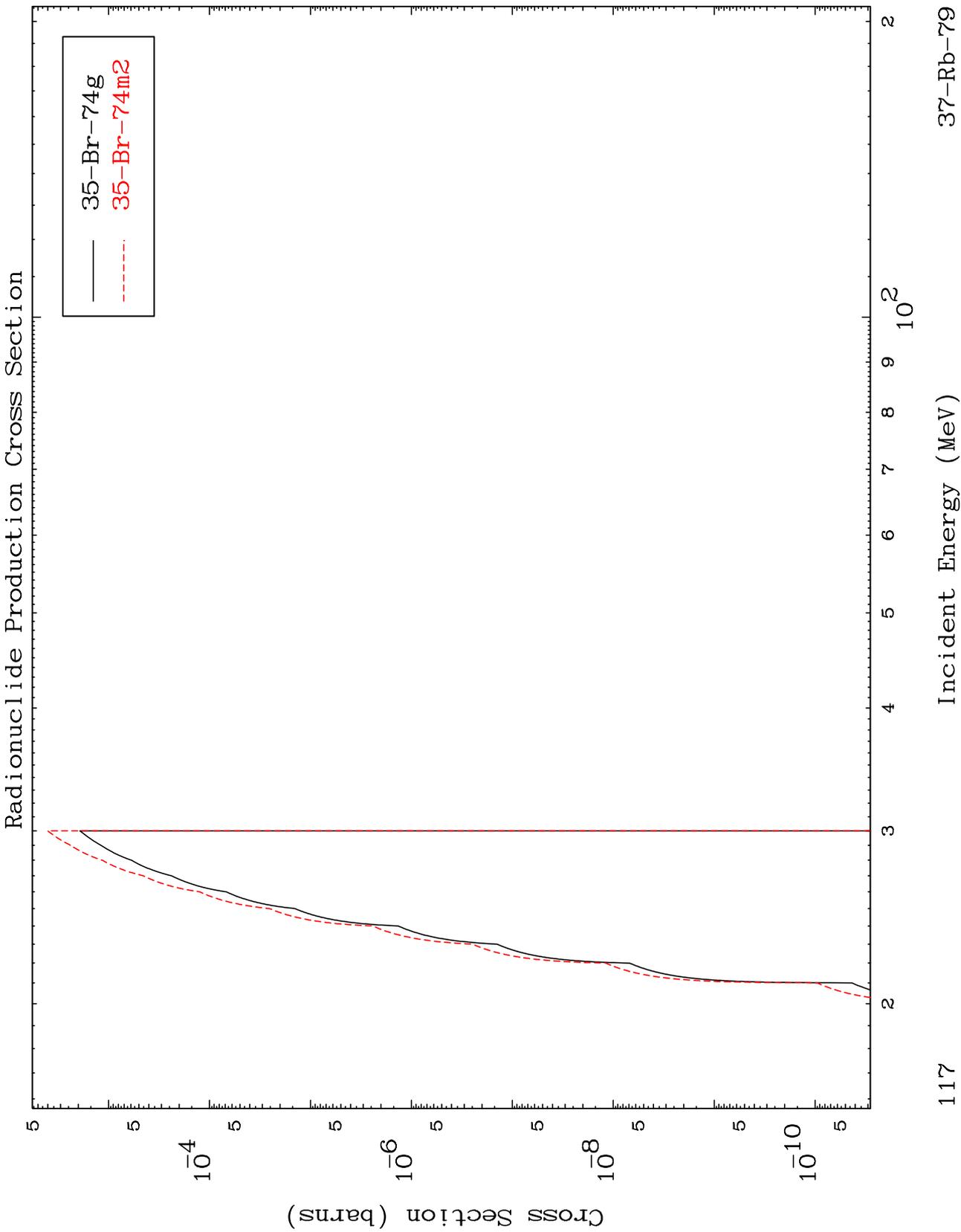
Incident Energy (MeV)

37-Rb-79

MAT 3707

$(n,2n) \alpha$

37-Rb-79

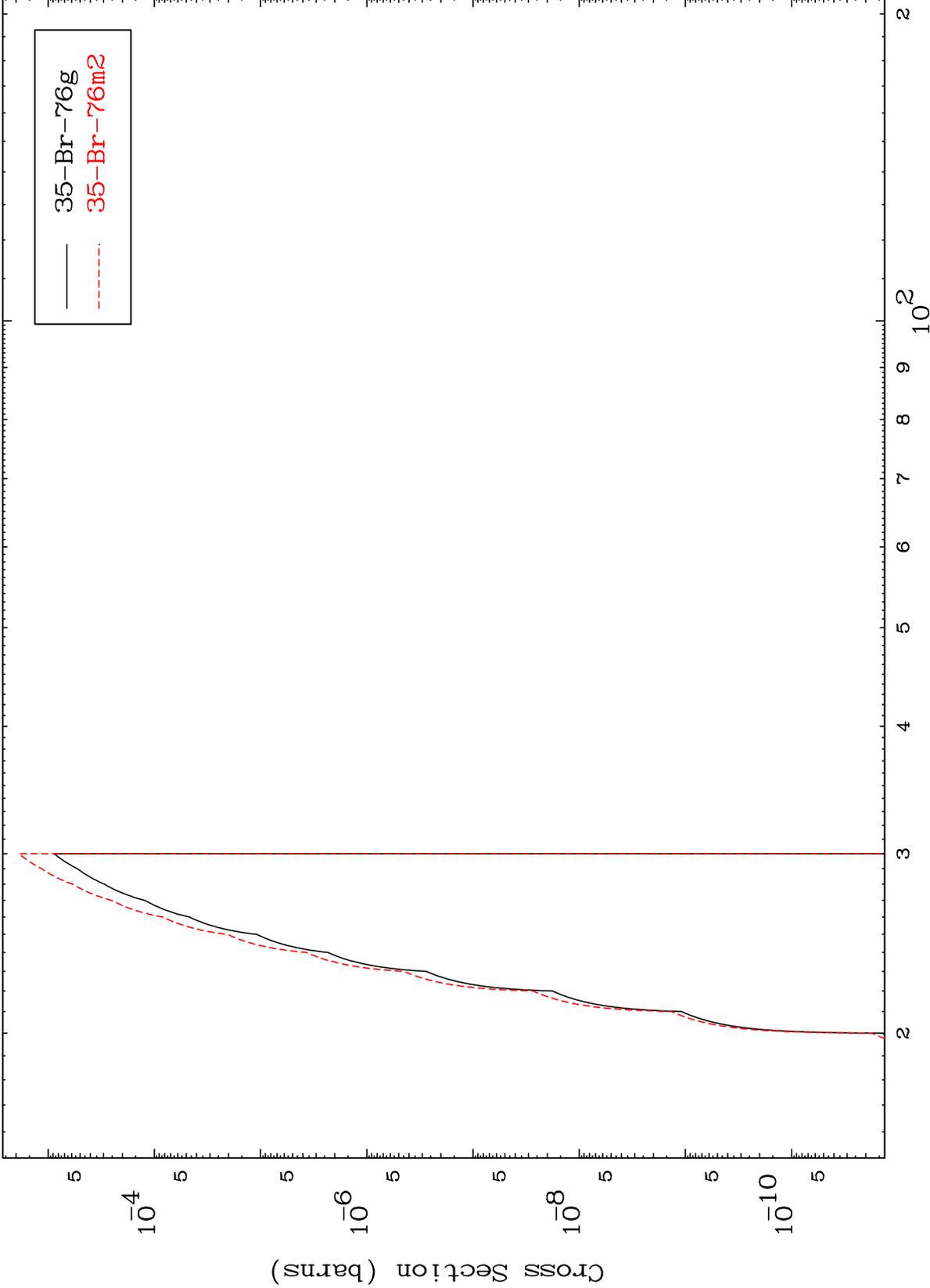


117

Incident Energy (MeV)

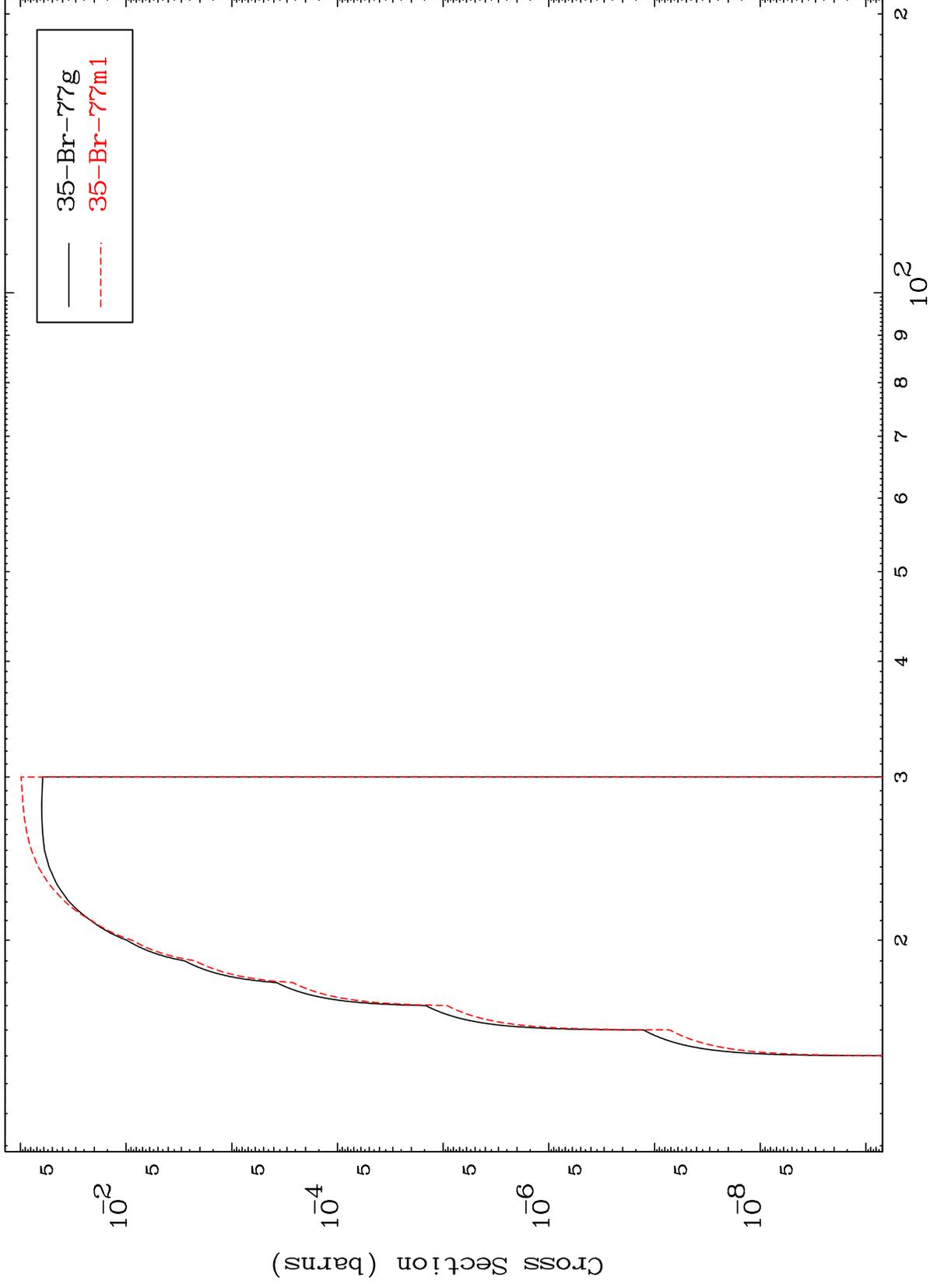
37-Rb-79

Radionuclide Production Cross Section



35-Br-76g  
35-Br-76m2

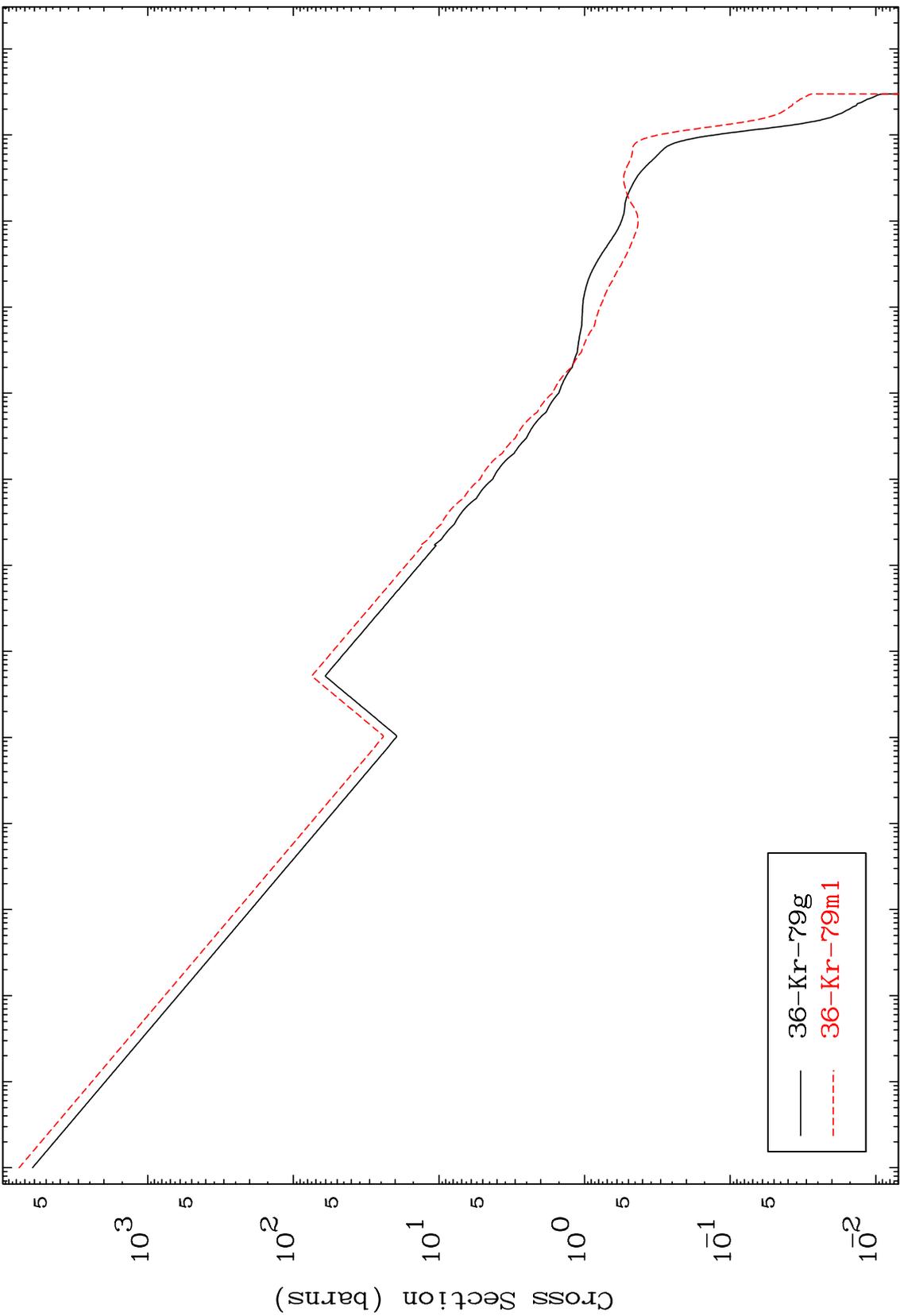
Radionuclide Production Cross Section



MAT 3707

<sup>37</sup>Rb-79

(n,p)  
Radionuclide Production Cross Section



— 36-Kr-79g  
- - - 36-Kr-79m1

<sup>37</sup>Rb-79

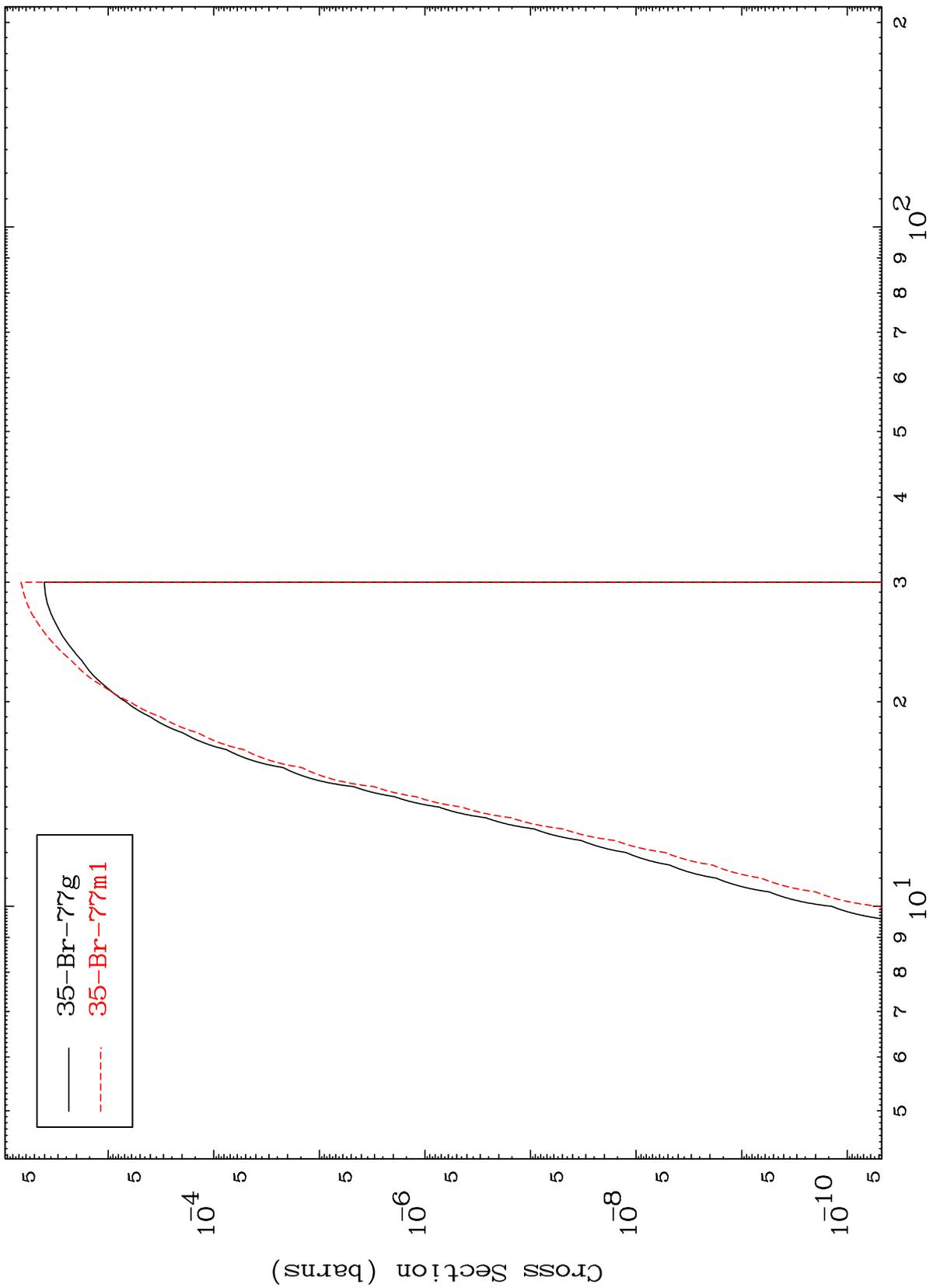
Incident Energy (MeV)

120

MAT 3707

37-Rb-79

(n,He-3)  
Radionuclide Production Cross Section



121

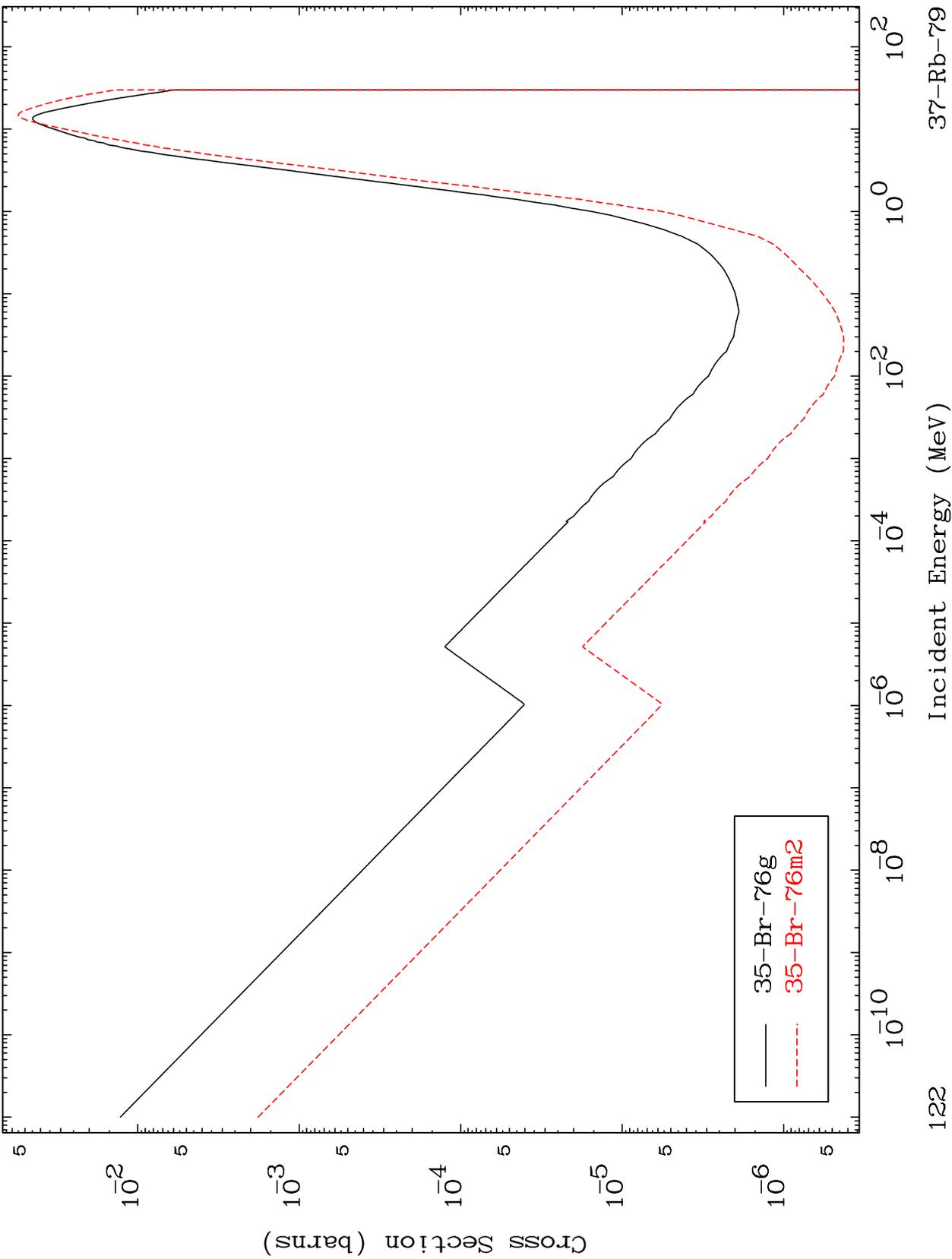
Incident Energy (MeV)

37-Rb-79

MAT 3707

<sup>37</sup>Rb-79

Radionuclide Production Cross Section

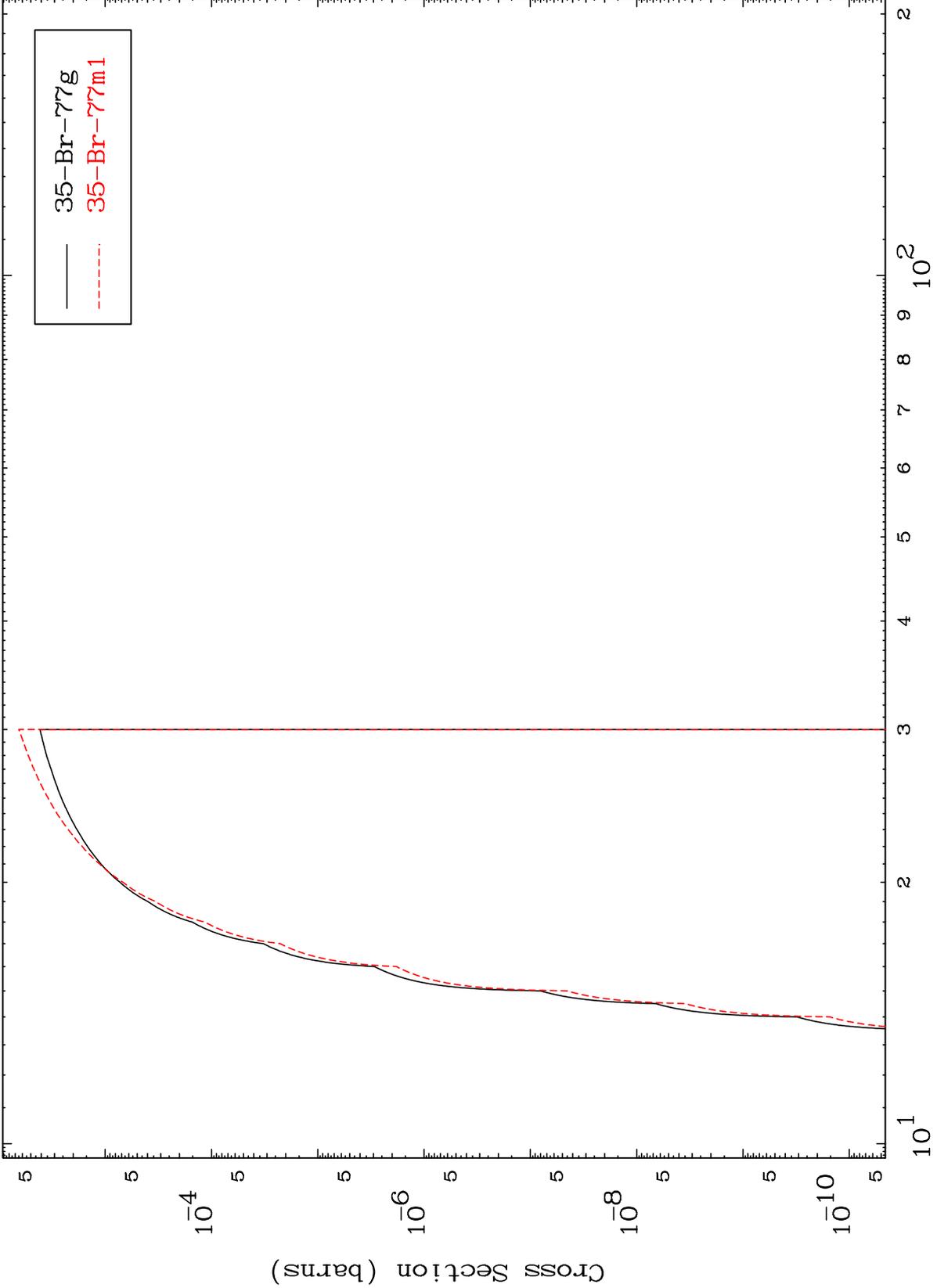


MAT 3707

(n,p) d

37-Rb-79

Radionuclide Production Cross Section



123

Incident Energy (MeV)

37-Rb-79

Radionuclide Production Cross Section

