

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

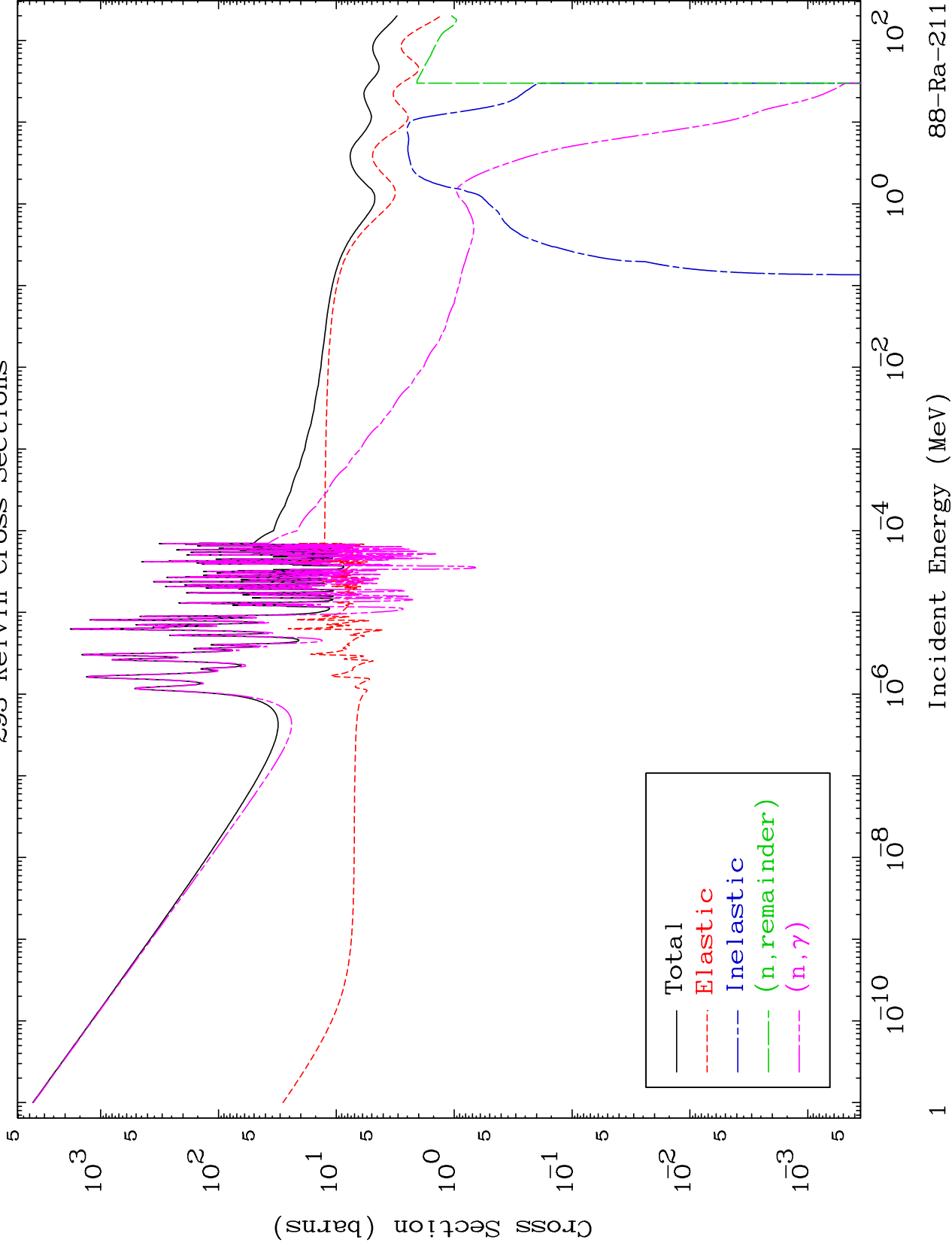
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8789

Major
293 Kelvin Cross Sections

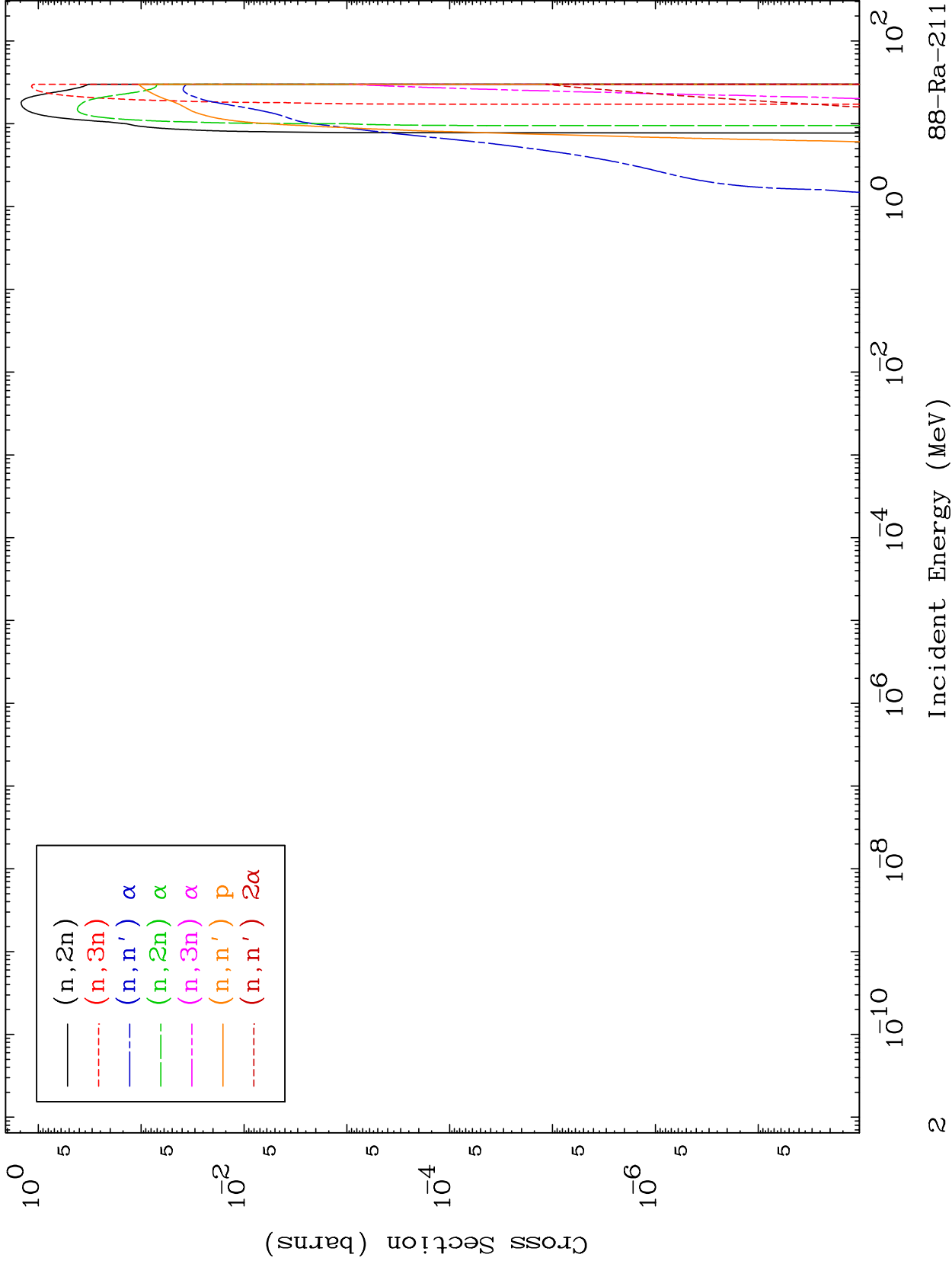
88-Ra-211



MAT 8789

Neutron Production
293 Kelvin Cross Sections

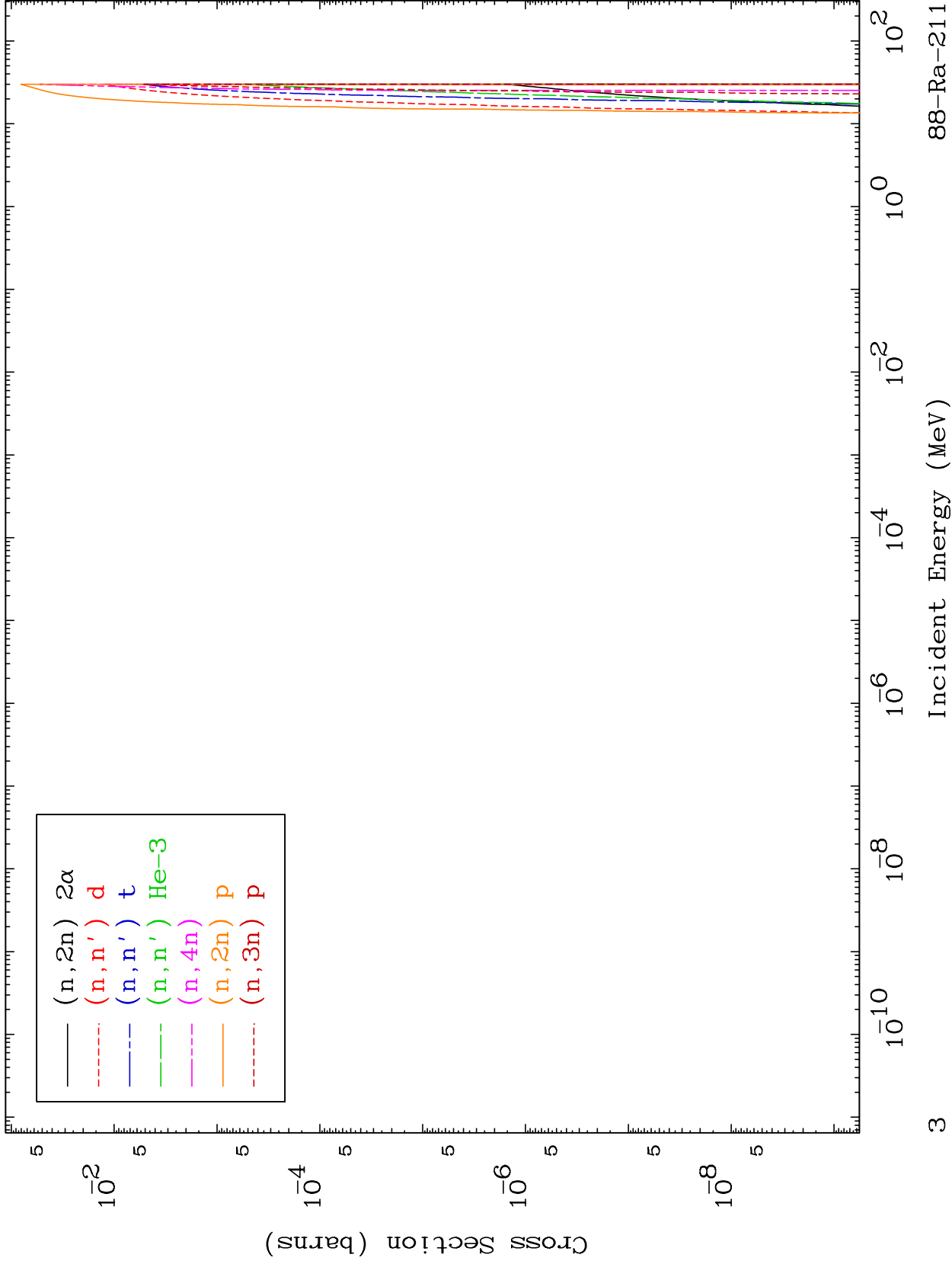
88-Ra-211



MAT 8789

Neutron Production
293 Kelvin Cross Sections

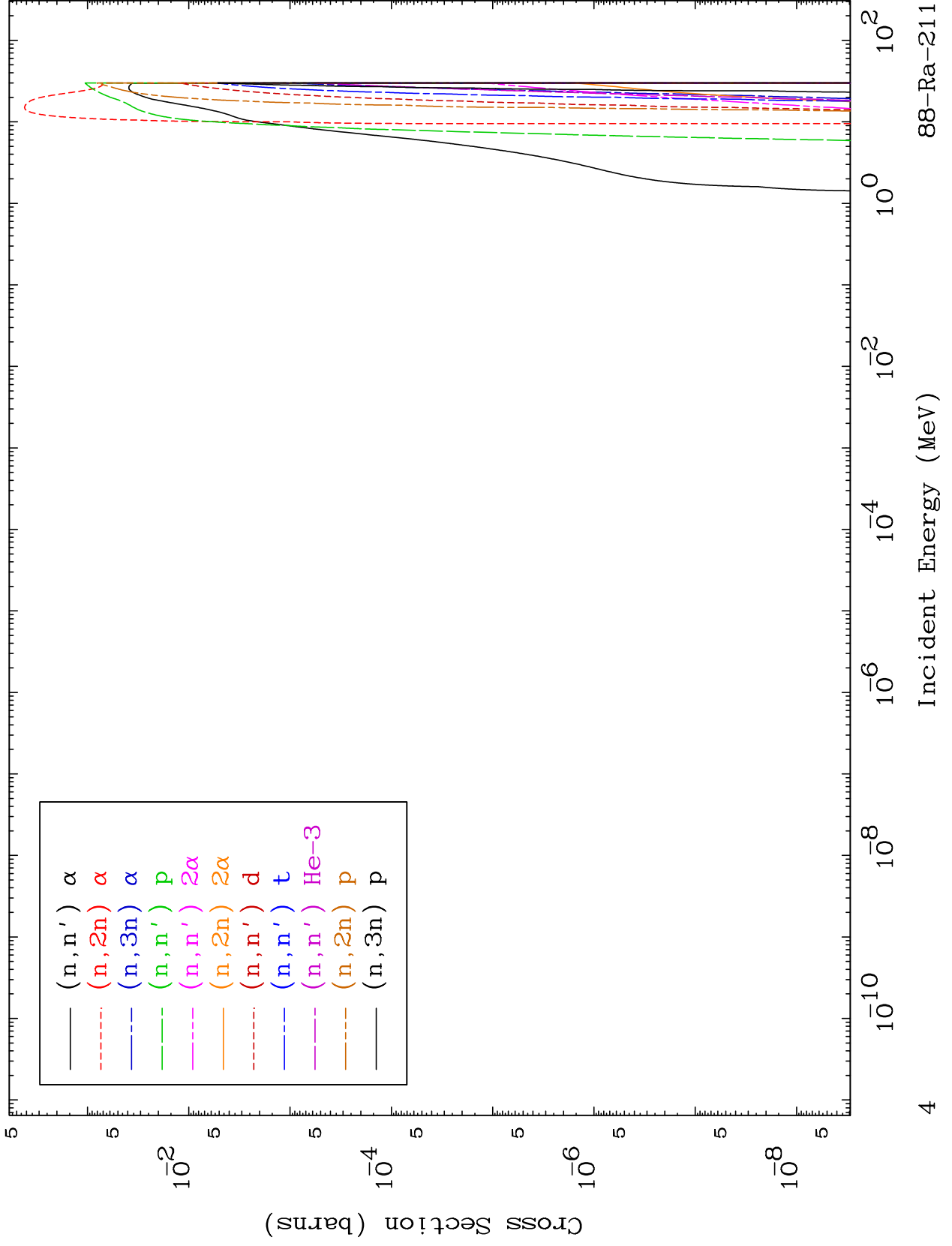
88-Ra-211



MAT 8789

Charged Particle
293 Kelvin Cross Sections

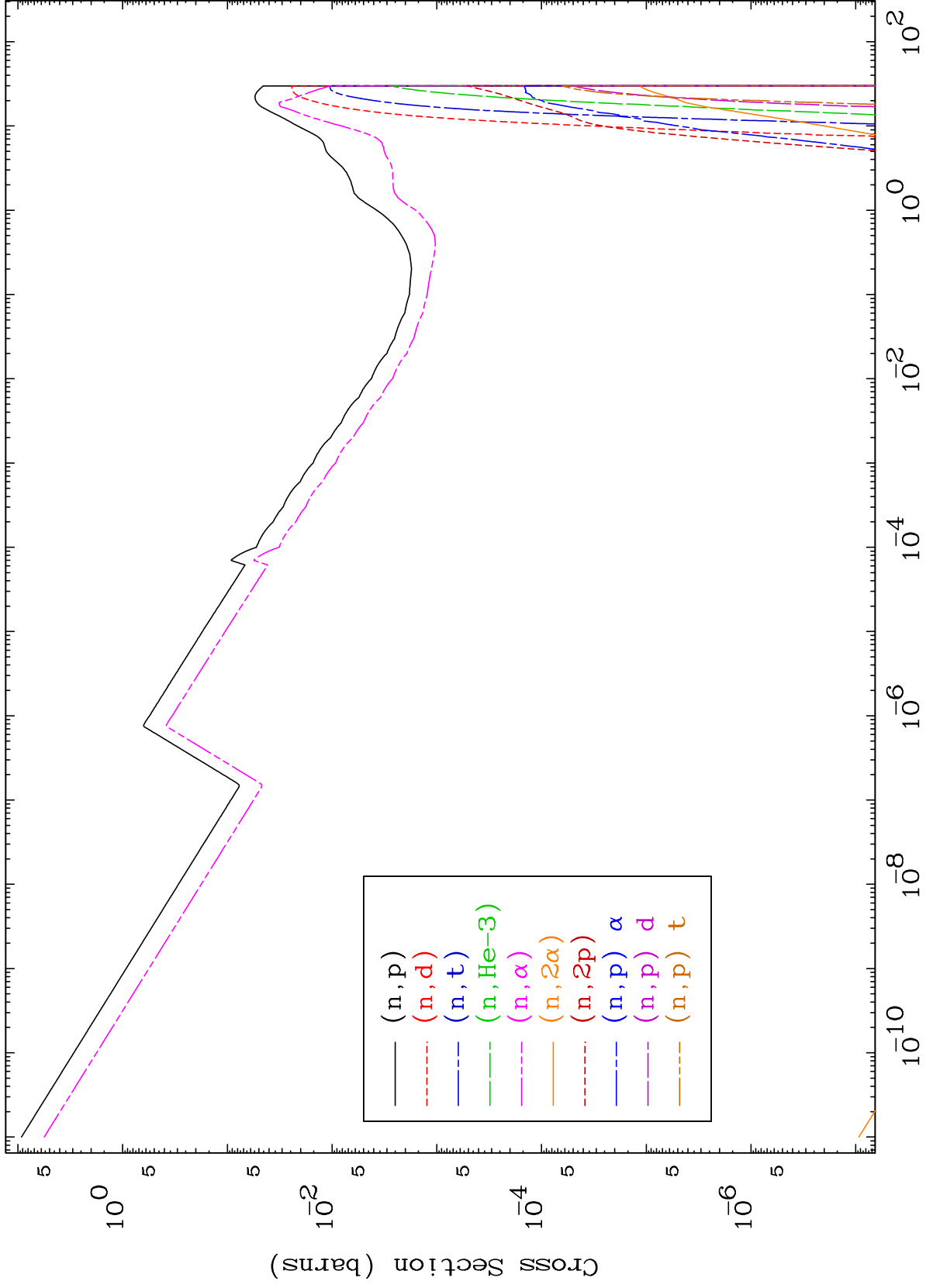
88-Ra-211



MAT 8789

Charged Particle
293 Kelvin Cross Sections

88-Ra-211



5

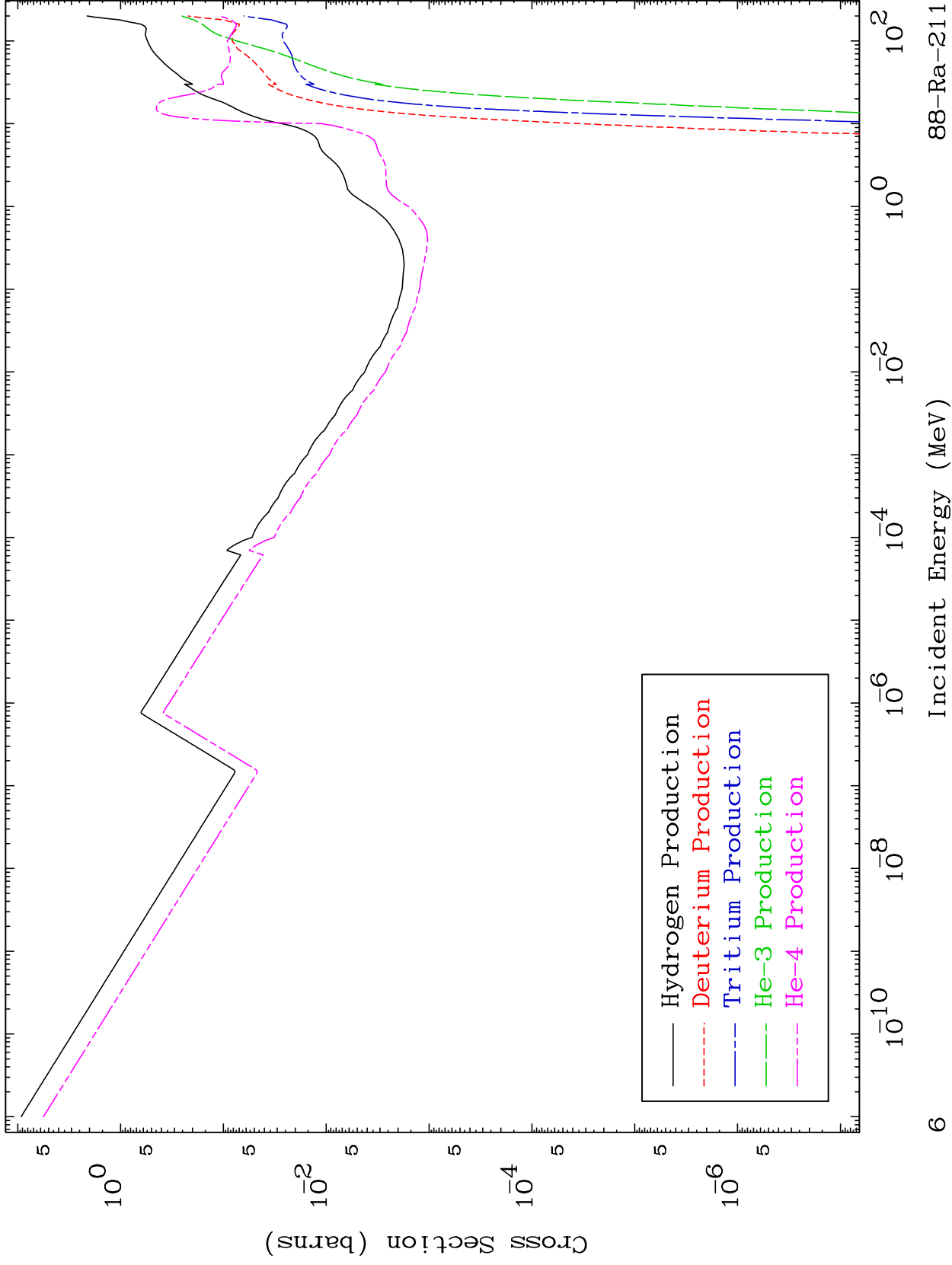
Incident Energy (MeV)

88-Ra-211

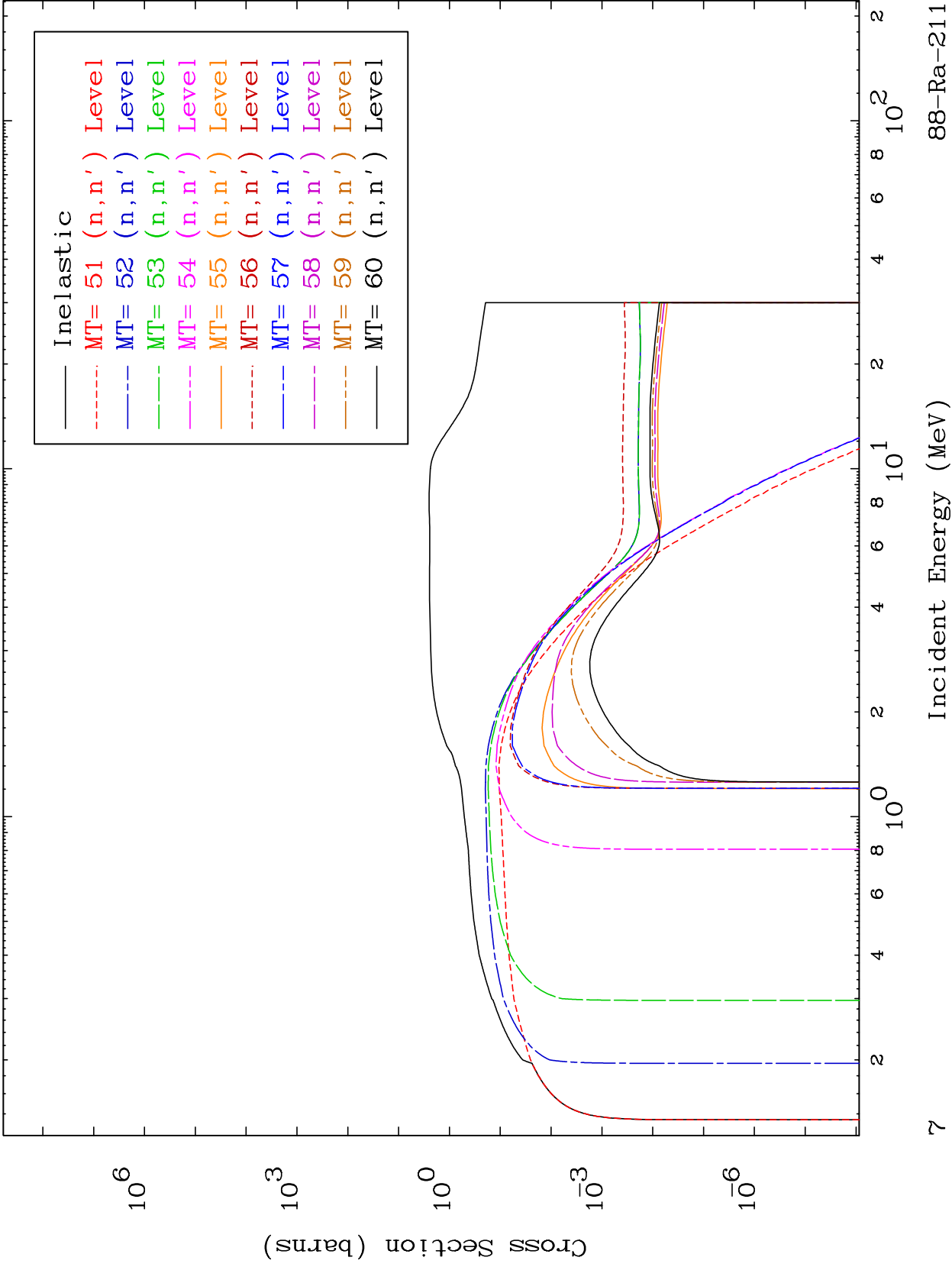
MAT 8789

Particle Production
293 Kelvin Cross Sections

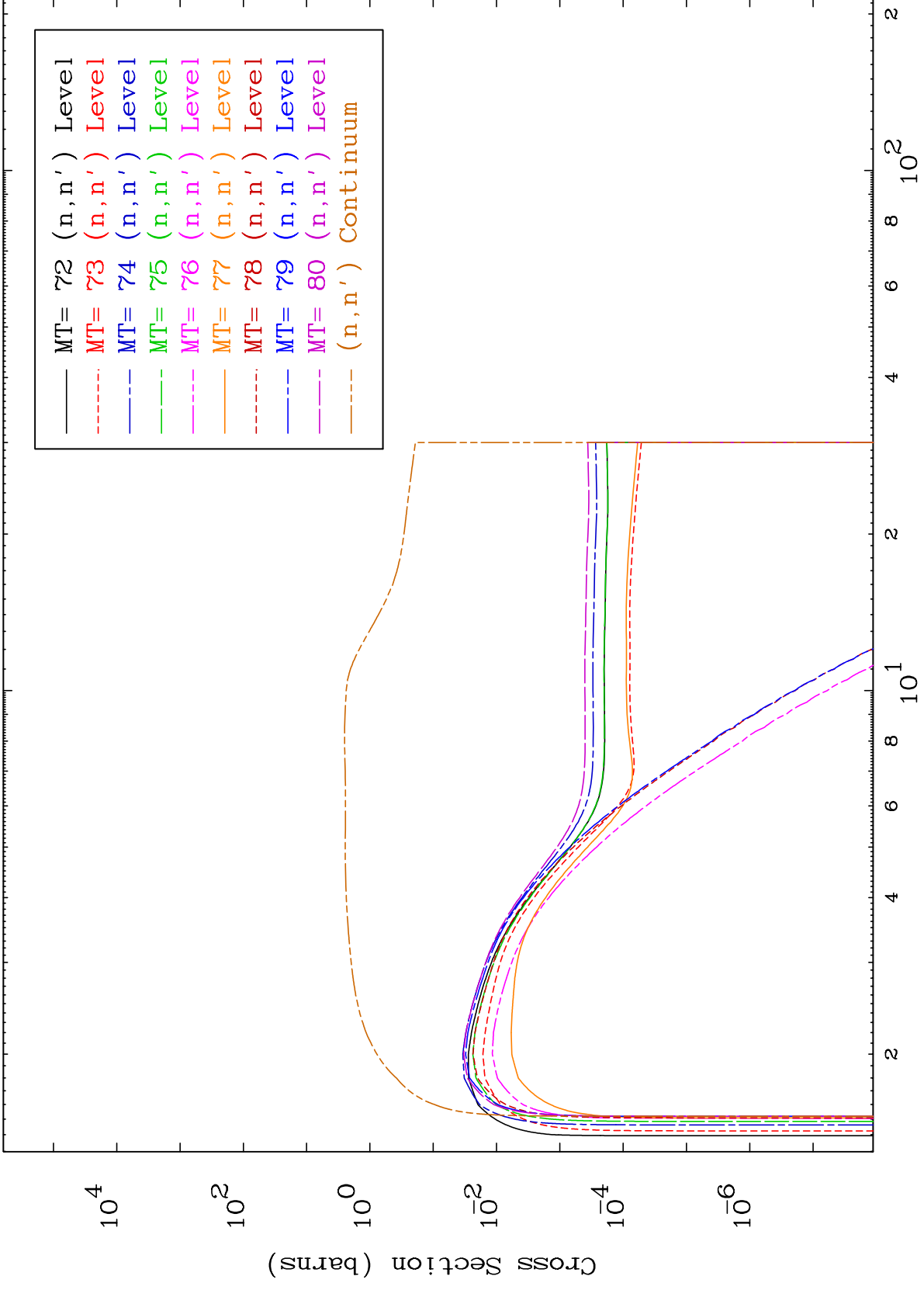
88-Ra-211

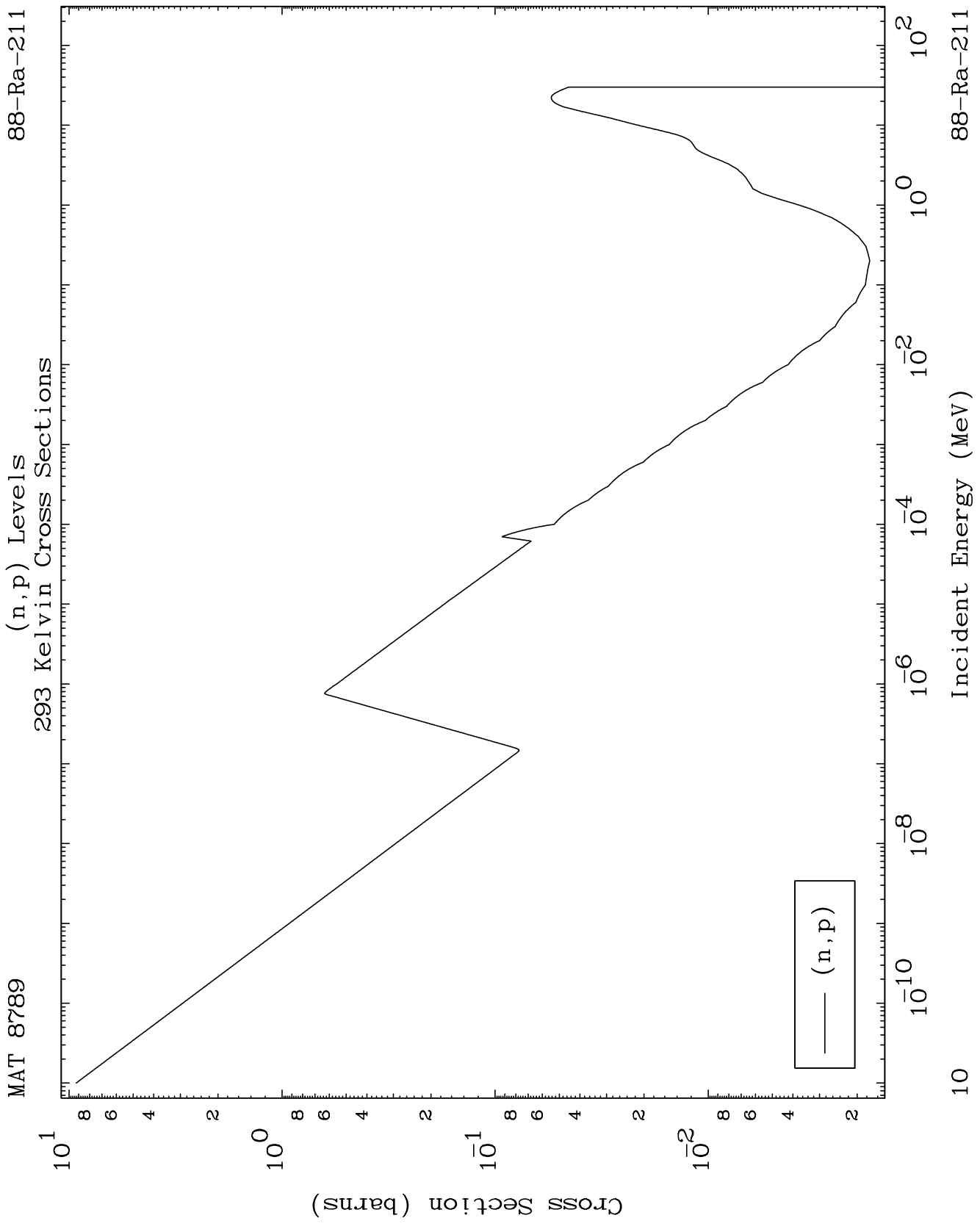


293 Kelvin Cross Sections



293 Kelvin Cross Sections

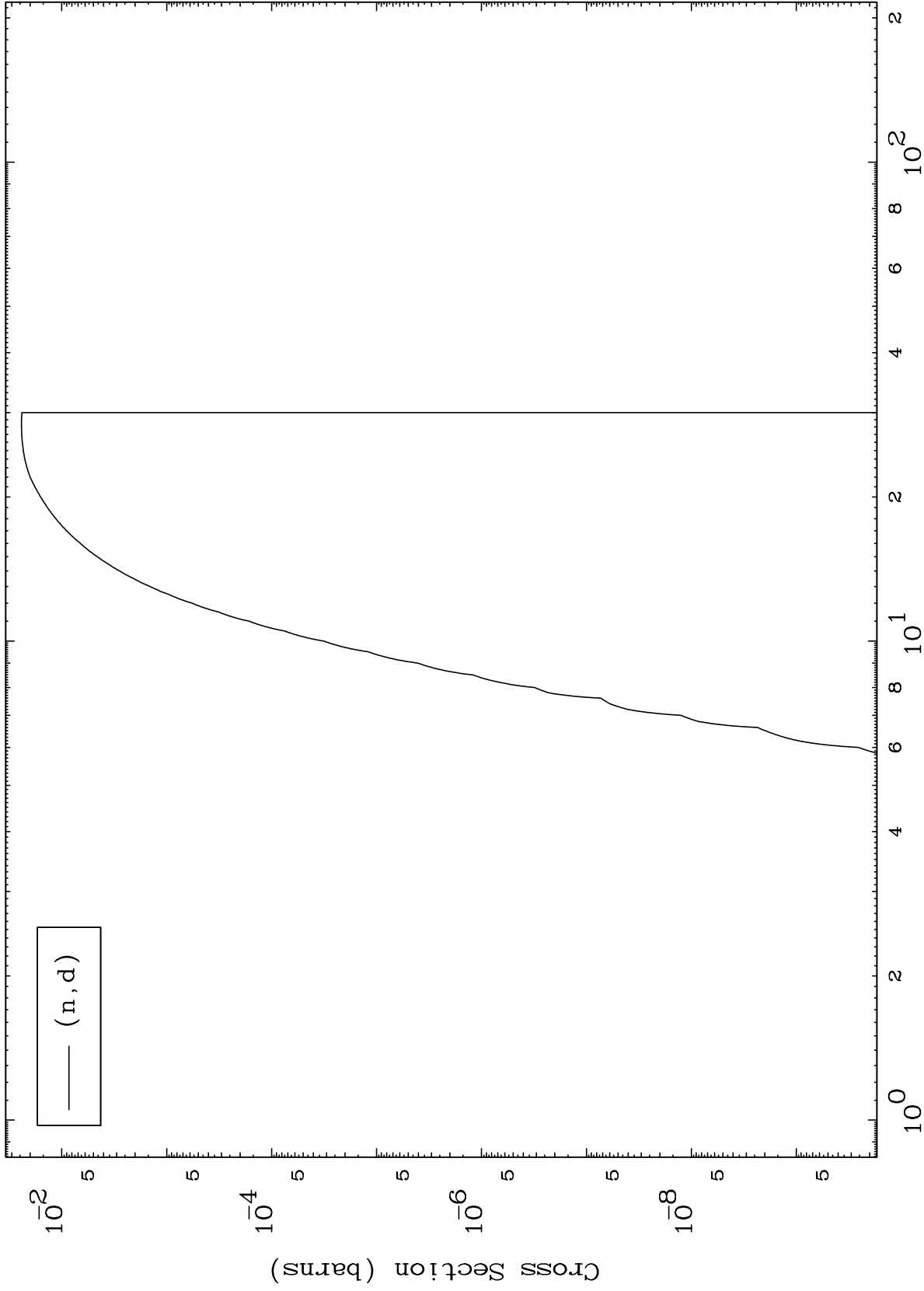




MAT 8789

(n,d) Levels
293 Kelvin Cross Sections

88-Ra-211



11

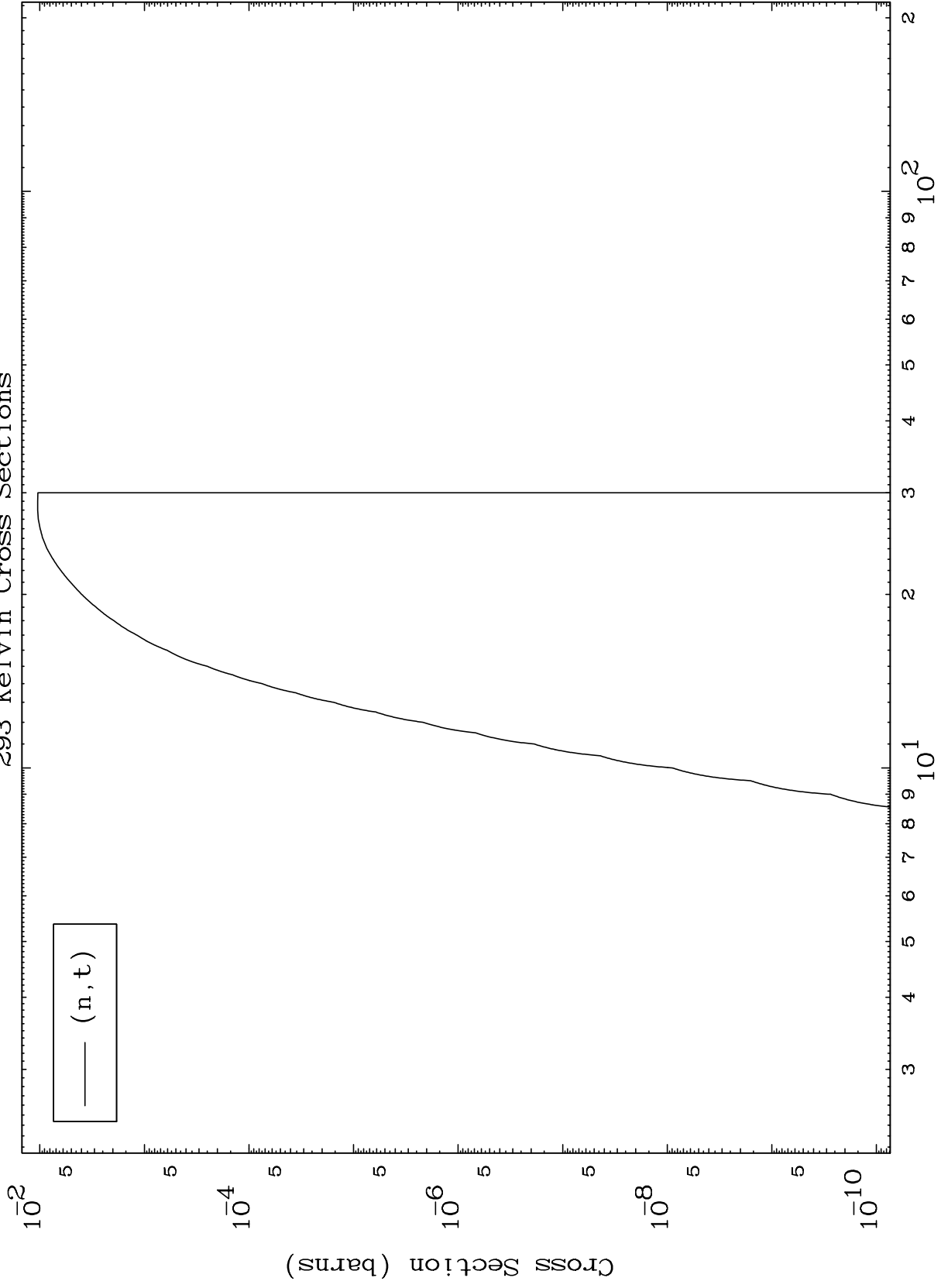
Incident Energy (MeV)

88-Ra-211

MAT 8789

(n,t) Levels
293 Kelvin Cross Sections

88-Ra-211



12

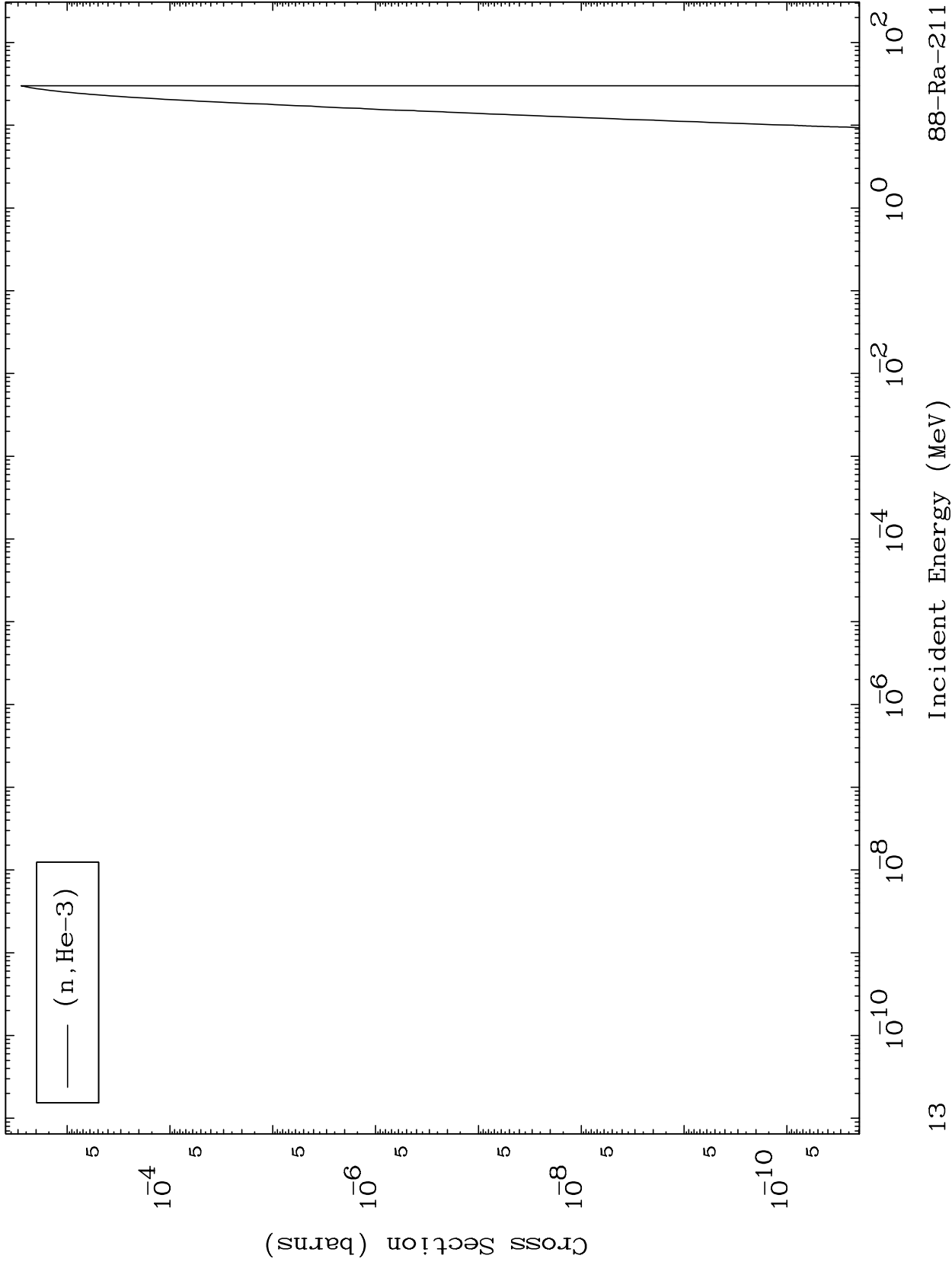
Incident Energy (MeV)

88-Ra-211

MAT 8789

(n,He3) Levels
293 Kelvin Cross Sections

88-Ra-211



13

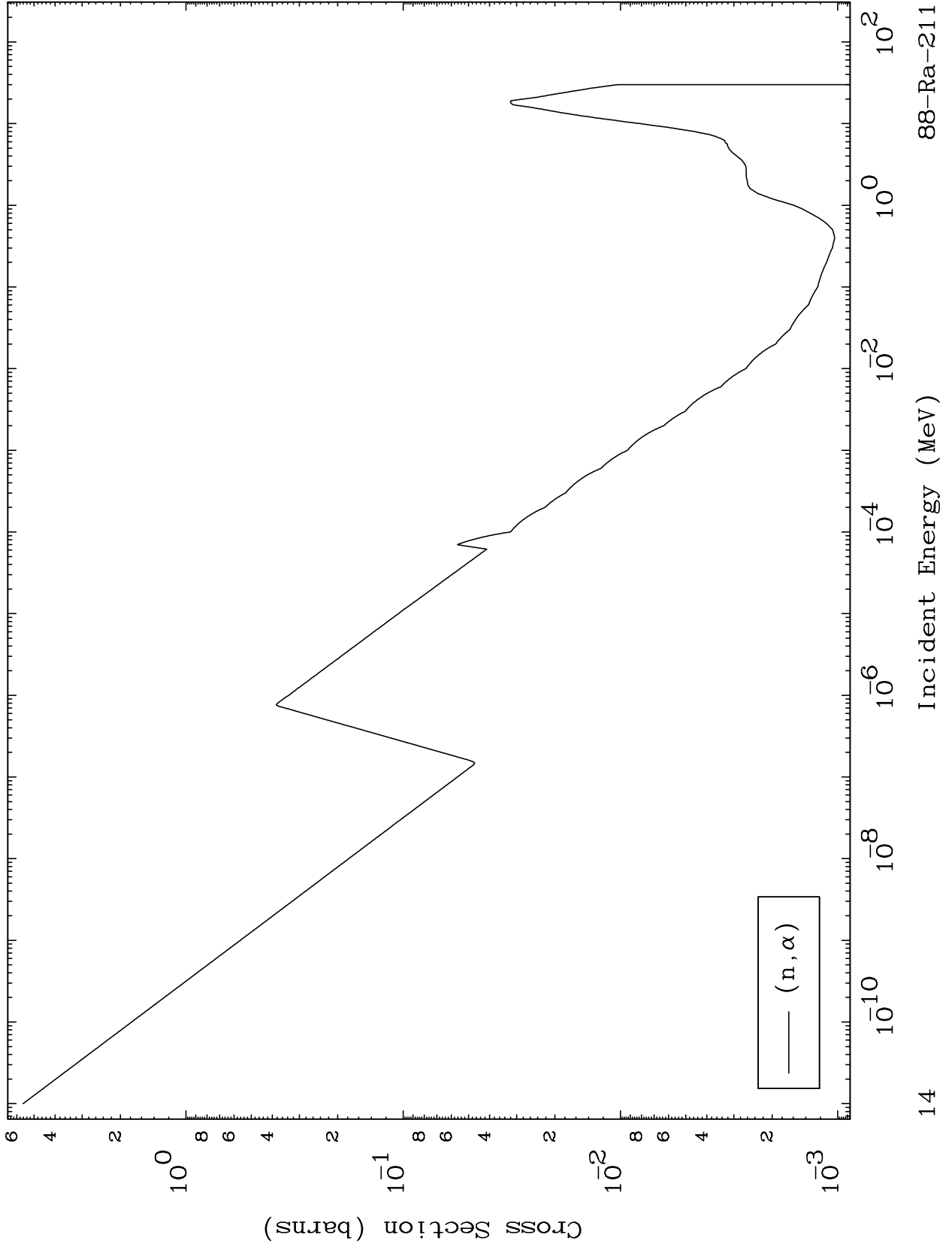
Incident Energy (MeV)

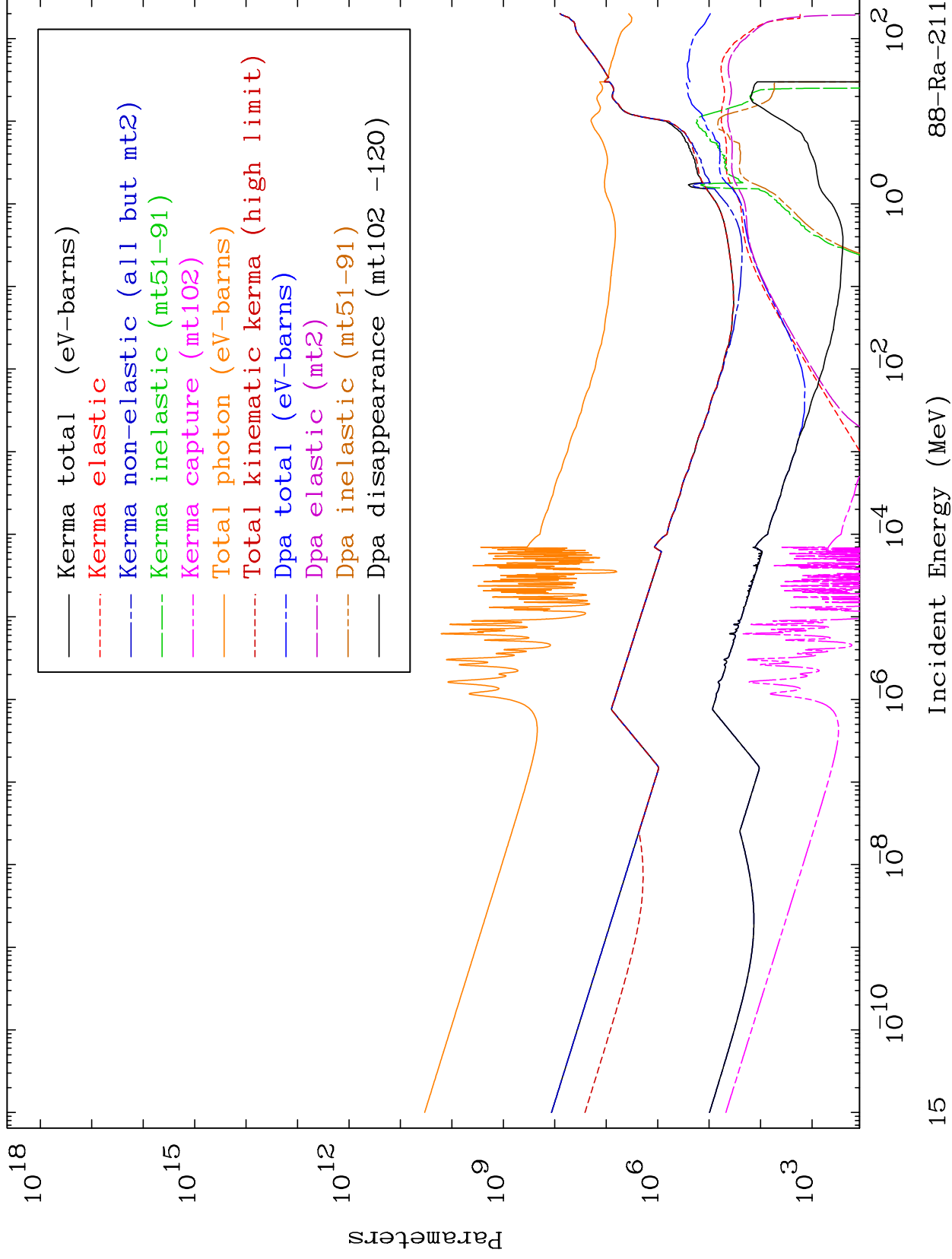
88-Ra-211

MAT 8789

(n, α) Levels
293 Kelvin Cross Sections

88-Ra-211

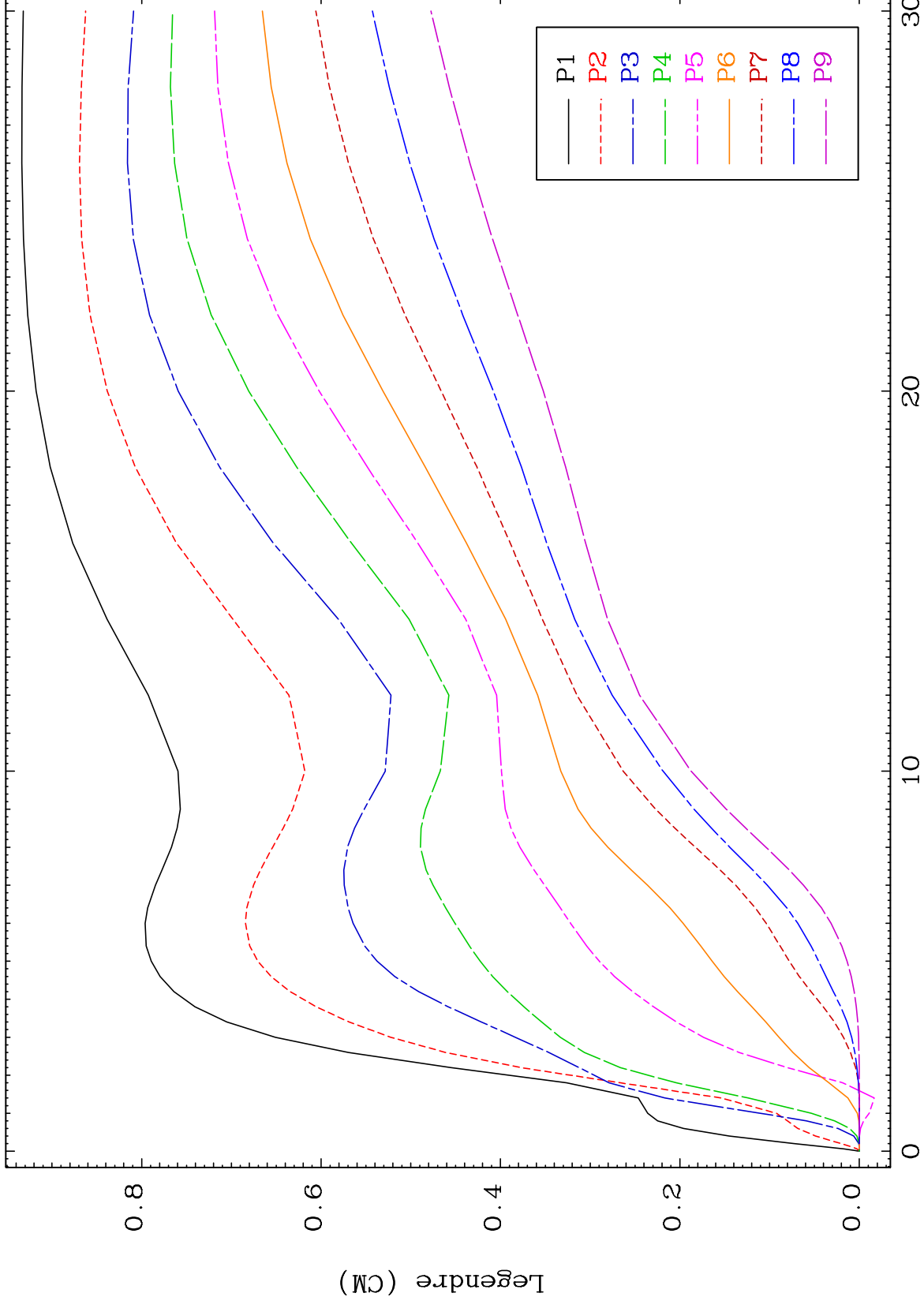




MAT 8789

88-Ra-211

Elastic Legendre Coefficients



88-Ra-211

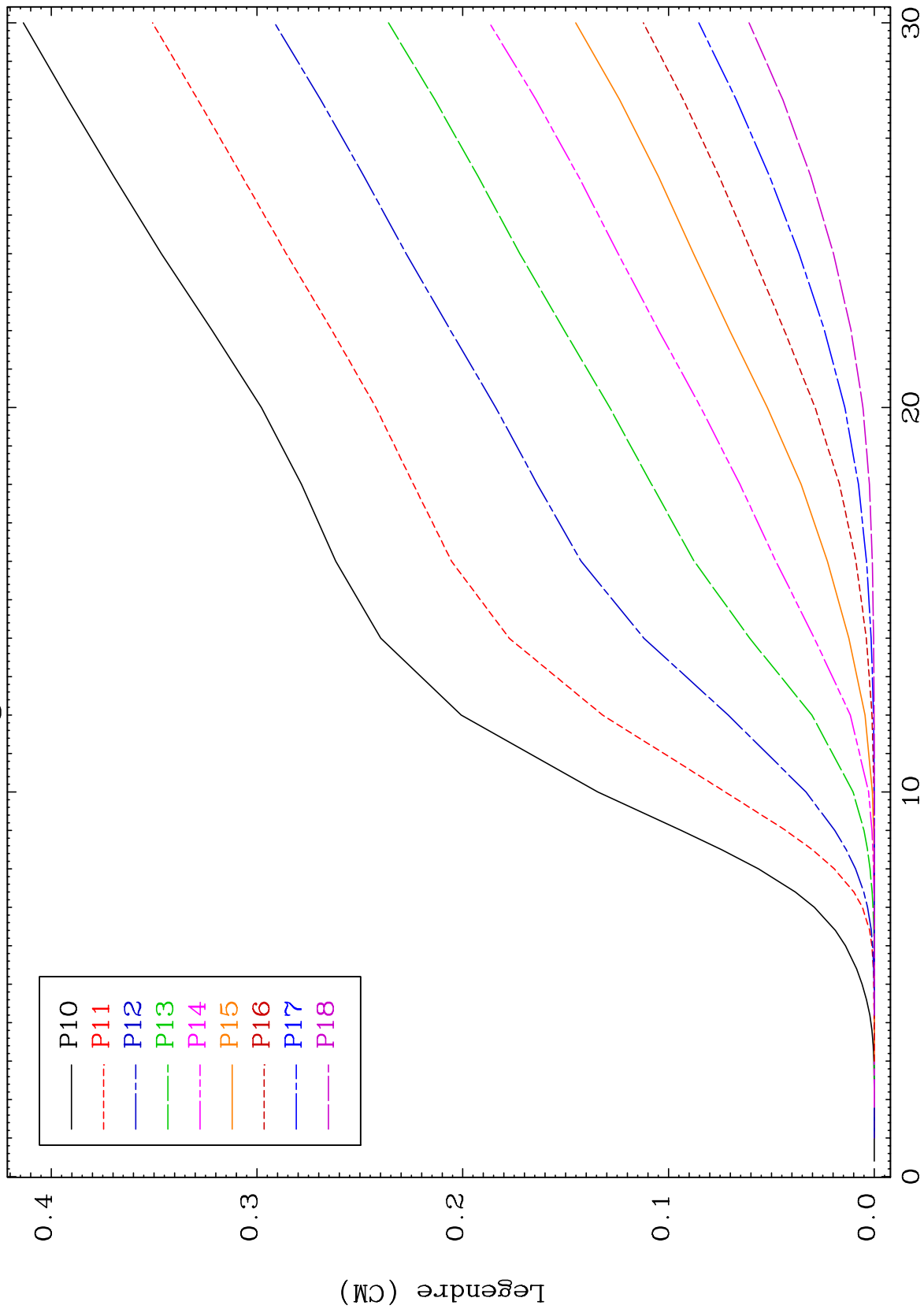
Incident Energy (MeV)

16

MAT 8789

Elastic Legendre Coefficients

88-Ra-211



17

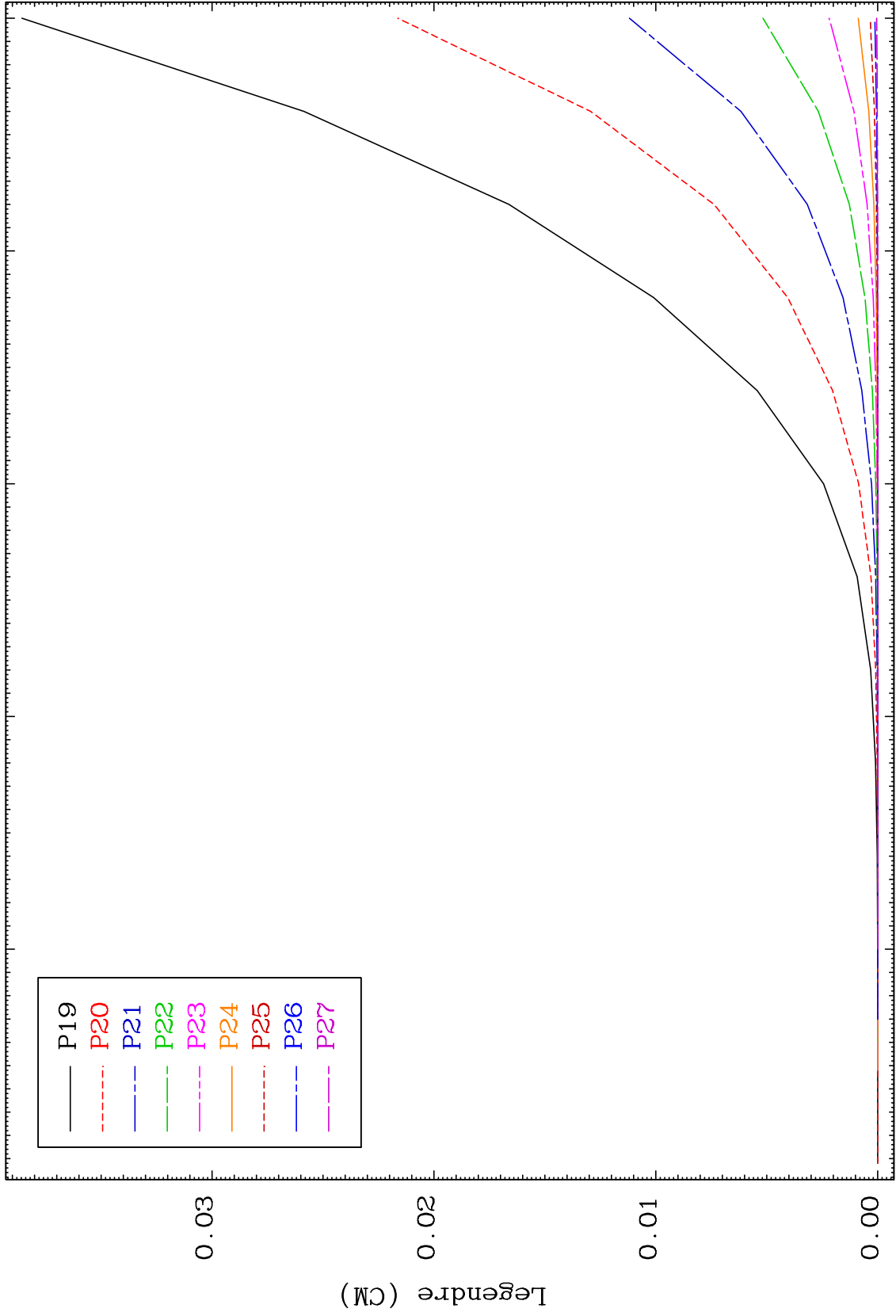
Incident Energy (MeV)

88-Ra-211

MAT 8789

Elastic
Legendre Coefficients

88-Ra-211



18

Incident Energy (MeV)

88-Ra-211

30

25

20

15

10

Legendre (CM)

0.03

0.02

0.01

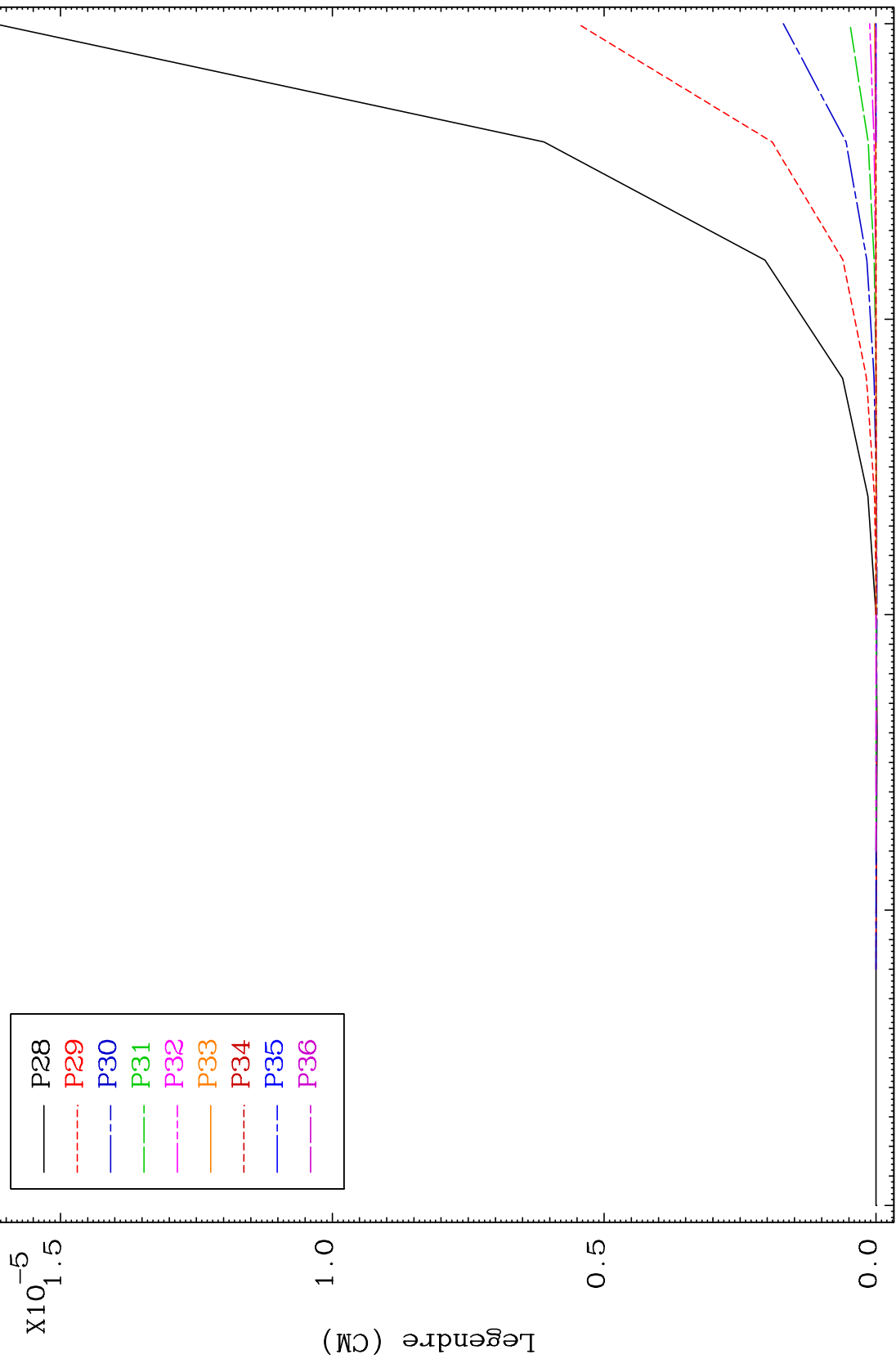
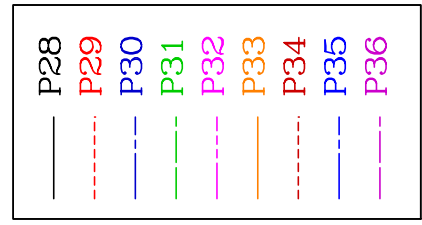
0.00

- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

MAT 8789

Elastic Legendre Coefficients

88-Ra-211



88-Ra-211

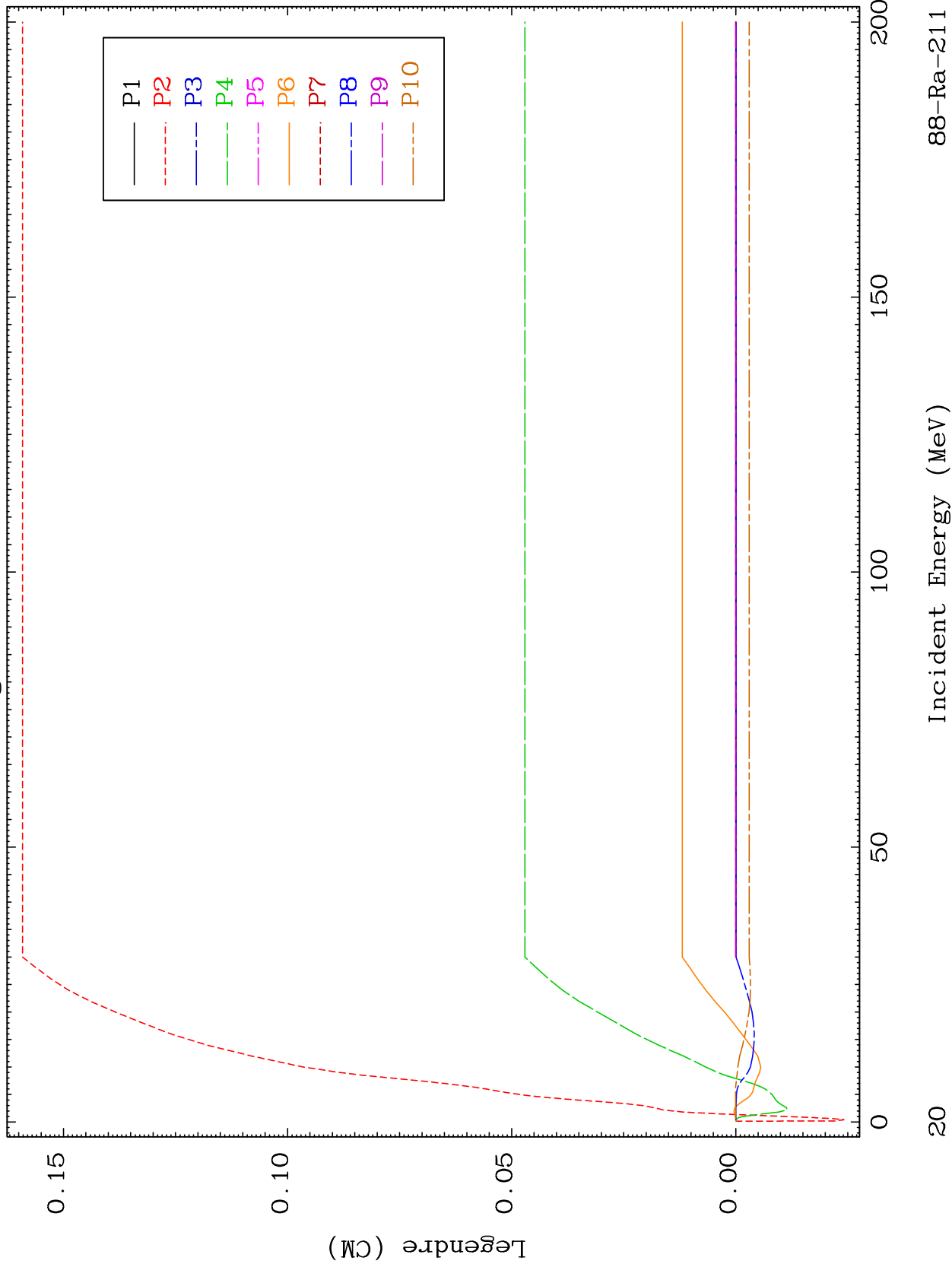
Incident Energy (MeV)

19

MAT 8789

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

88-Ra-211

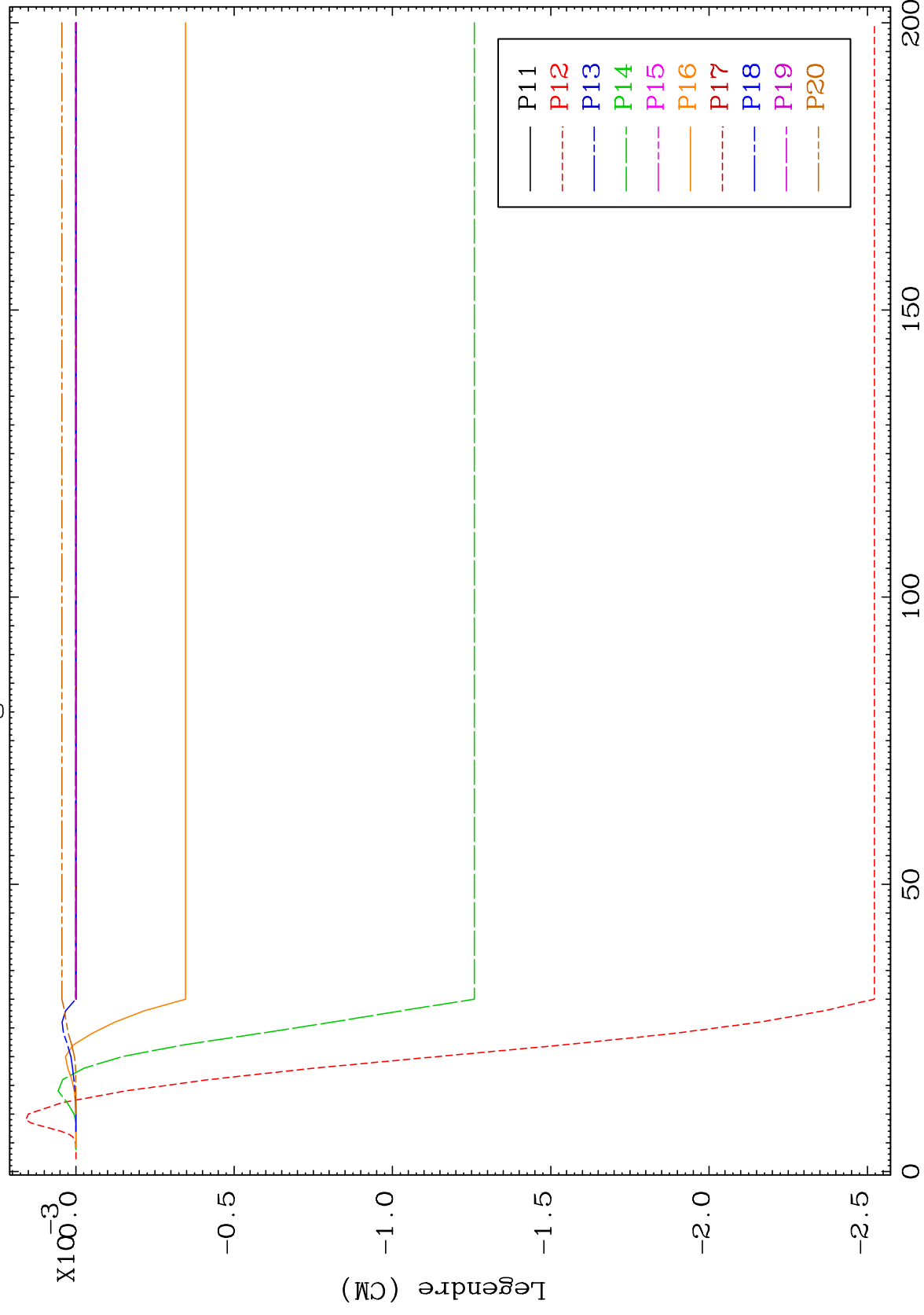


88-Ra-211

MAT 8789

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

88-Ra-211



21

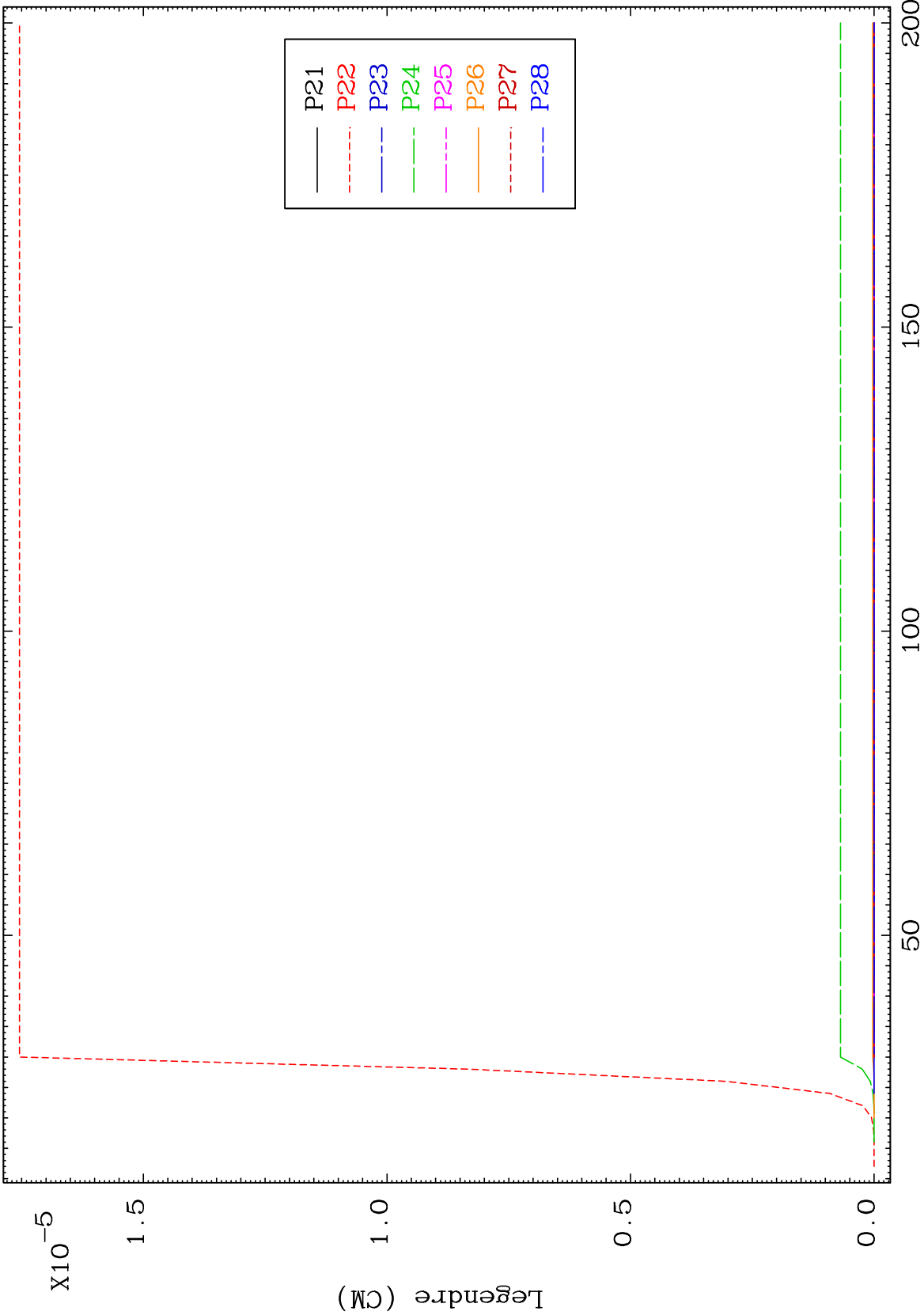
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



22

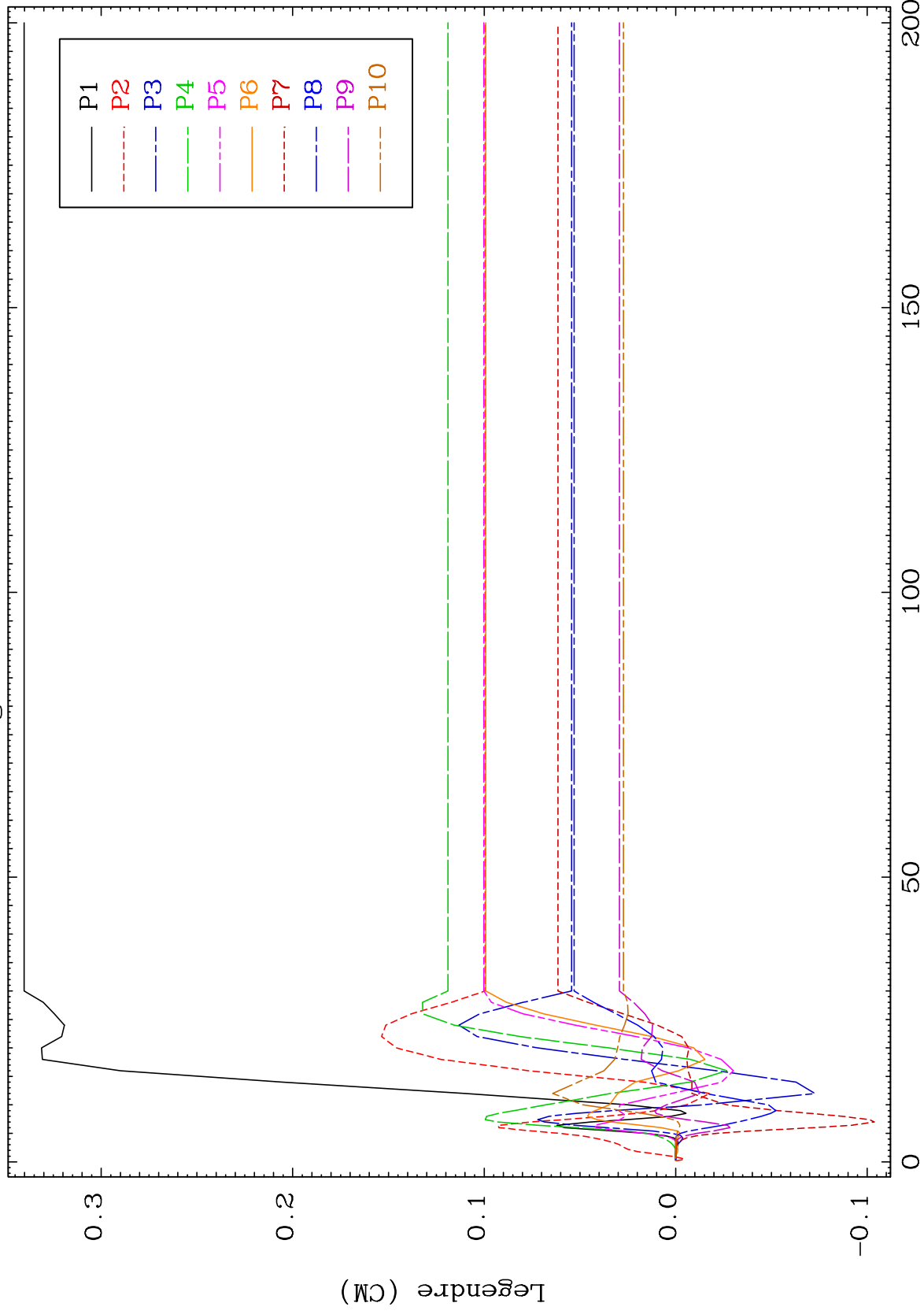
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

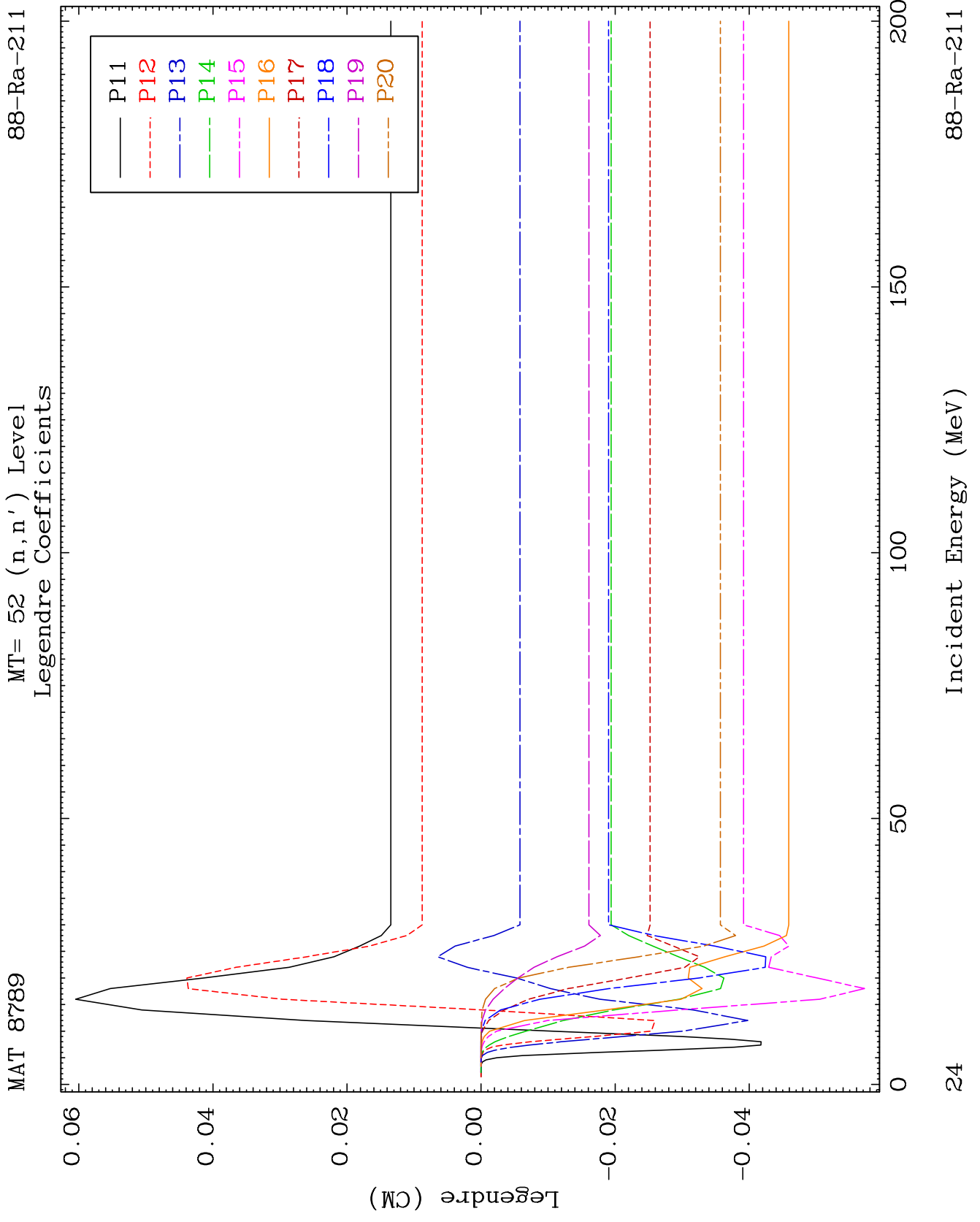
88-Ra-211



23

Incident Energy (MeV)

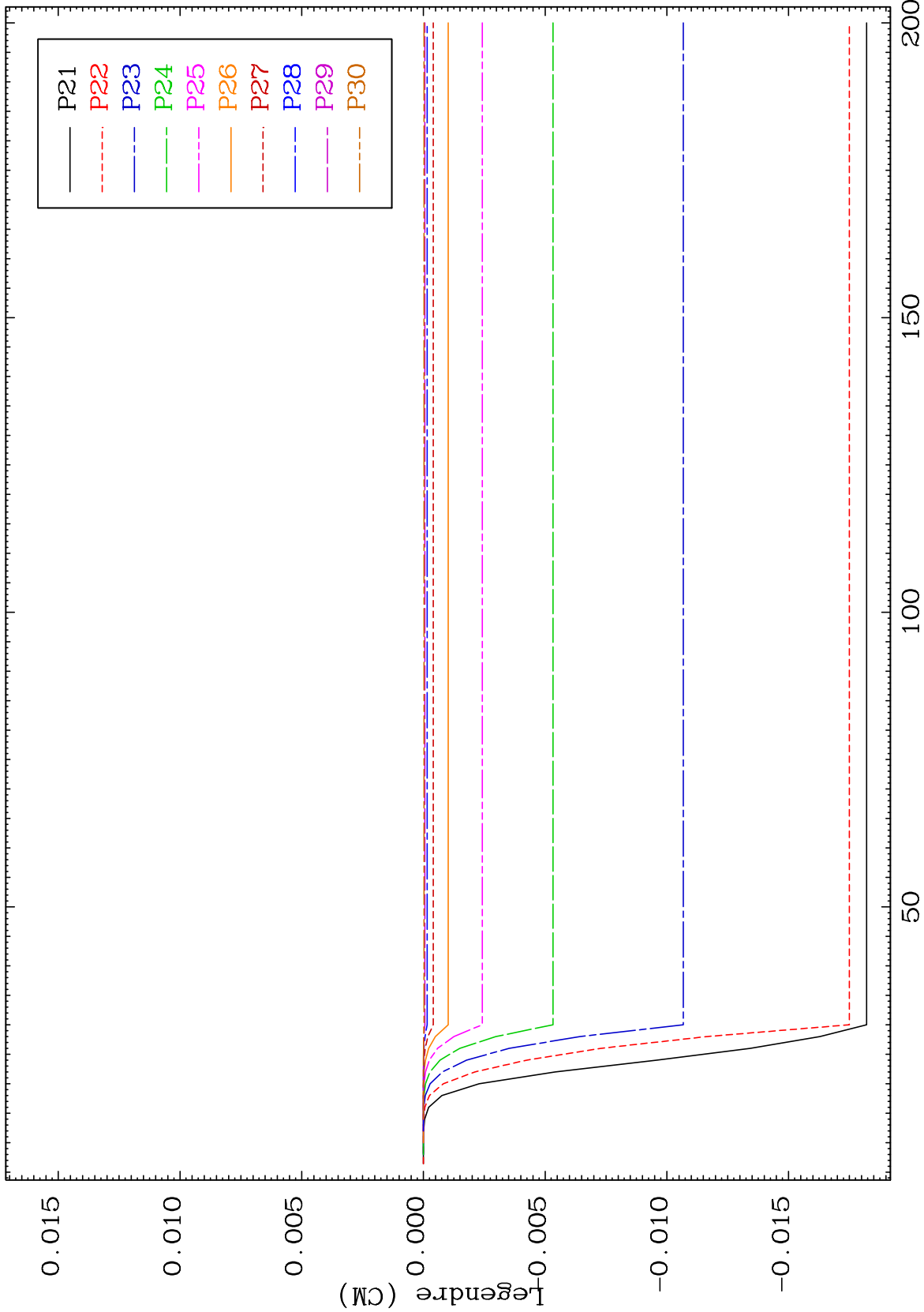
88-Ra-211



MAT 8789

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

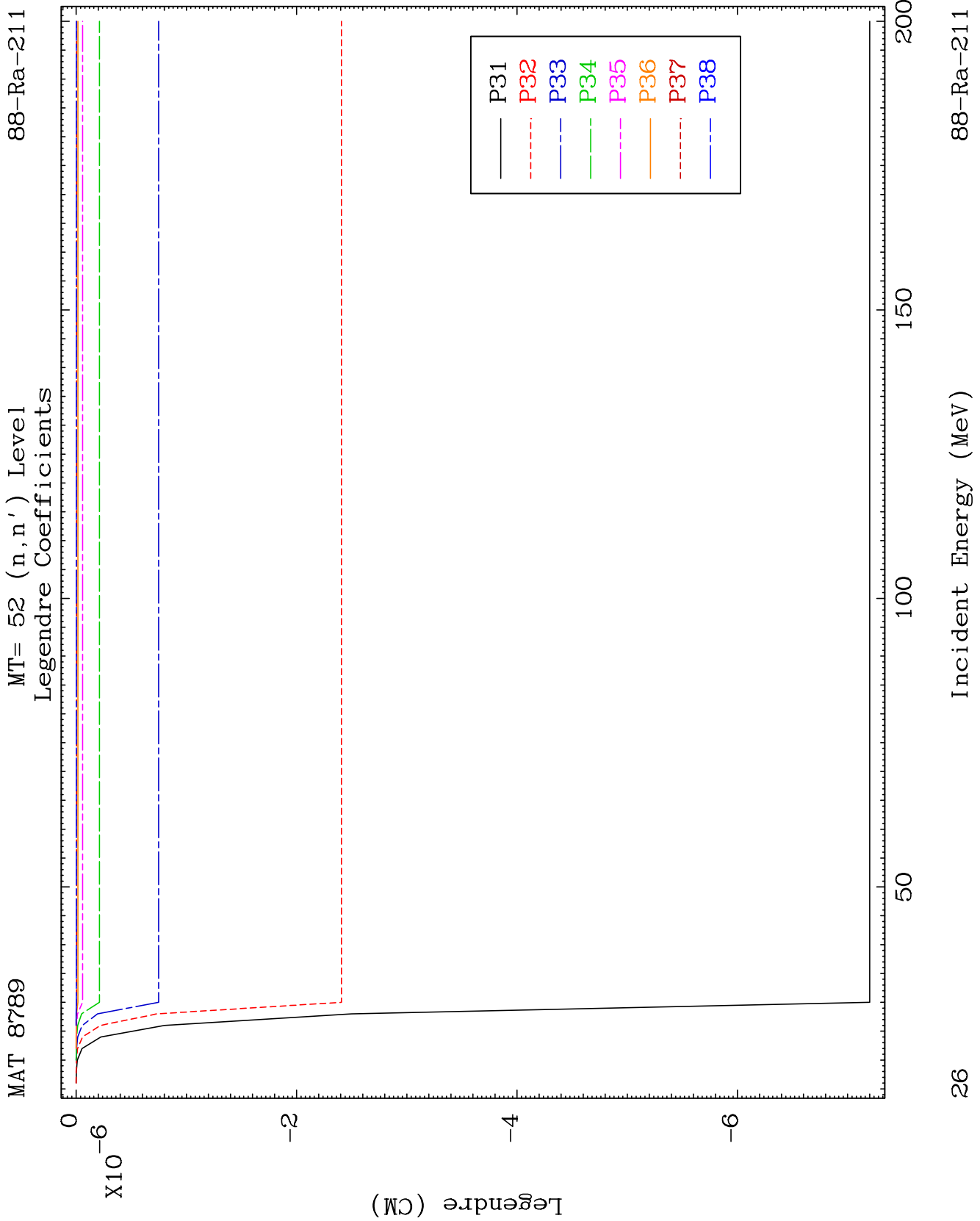
88-Ra-211



25

Incident Energy (MeV)

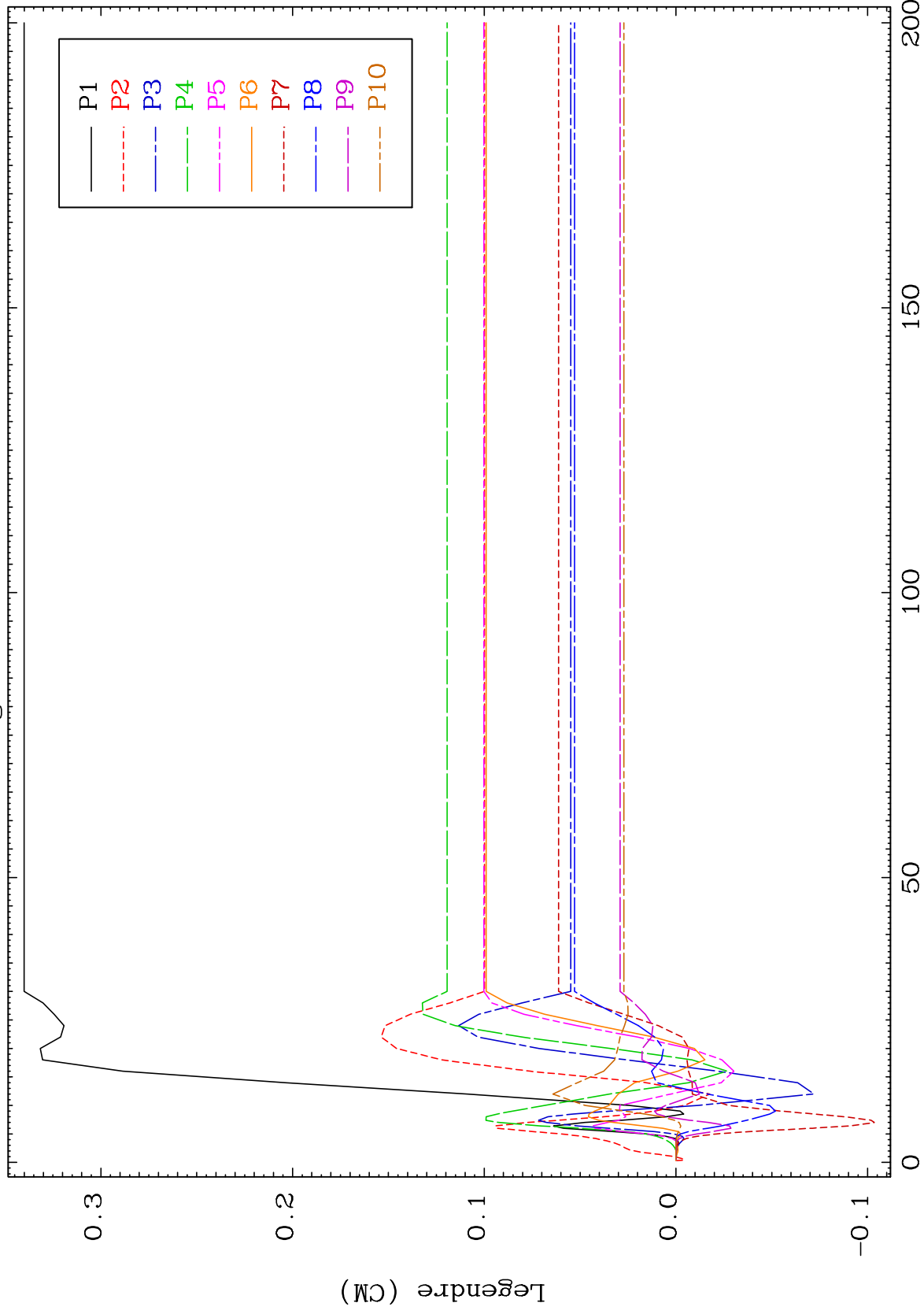
88-Ra-211



MAT 8789

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

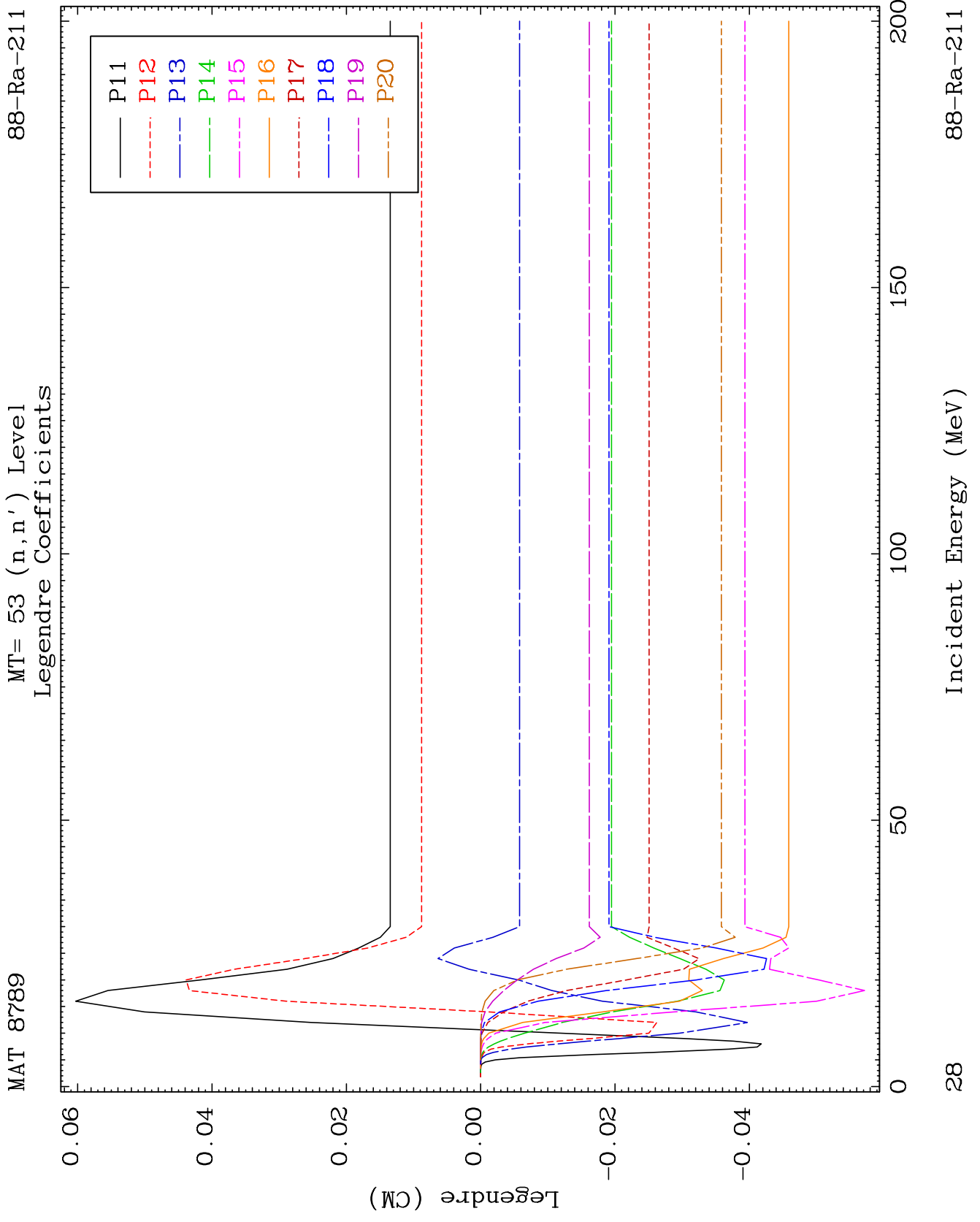
88-Ra-211

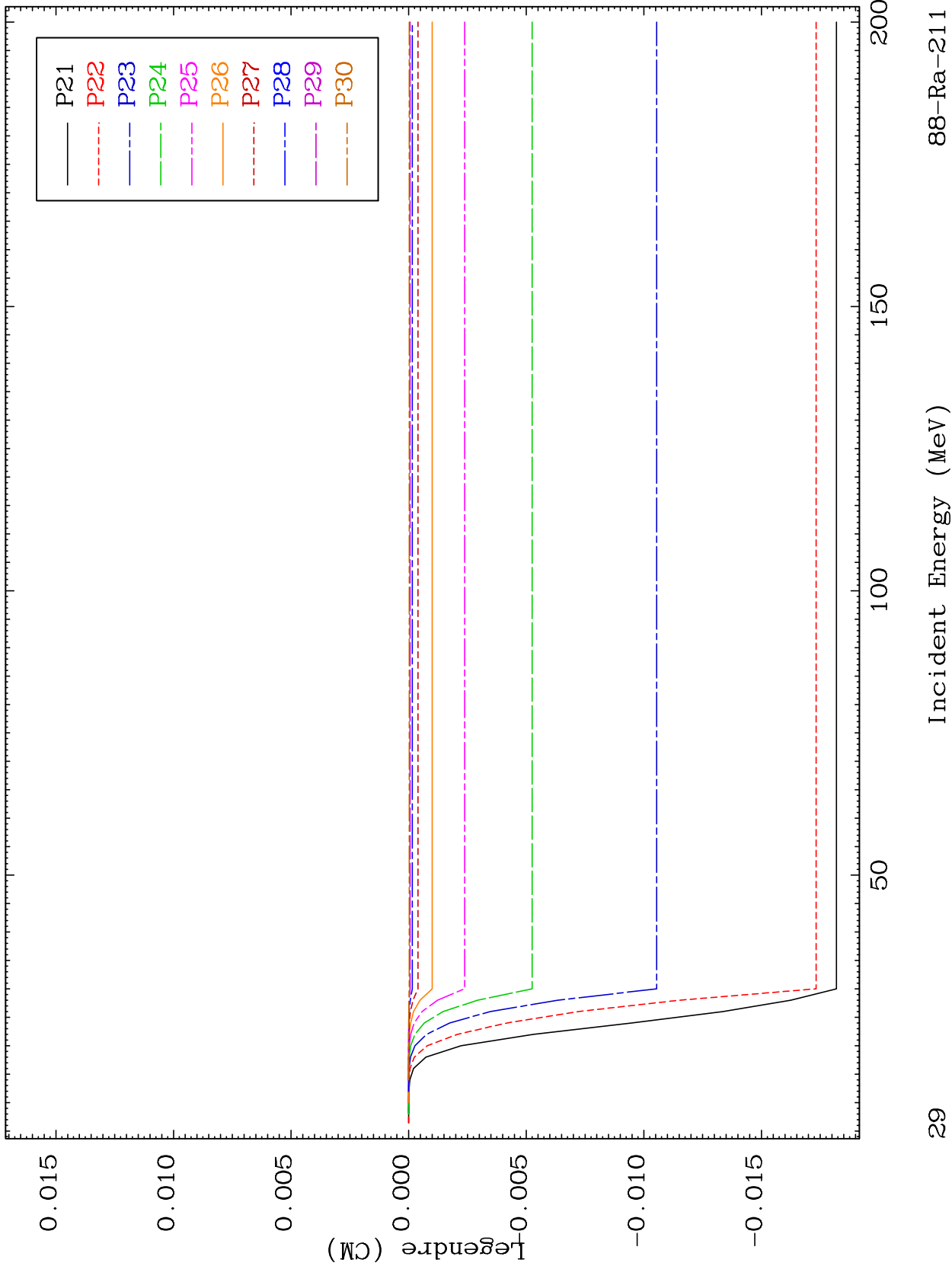


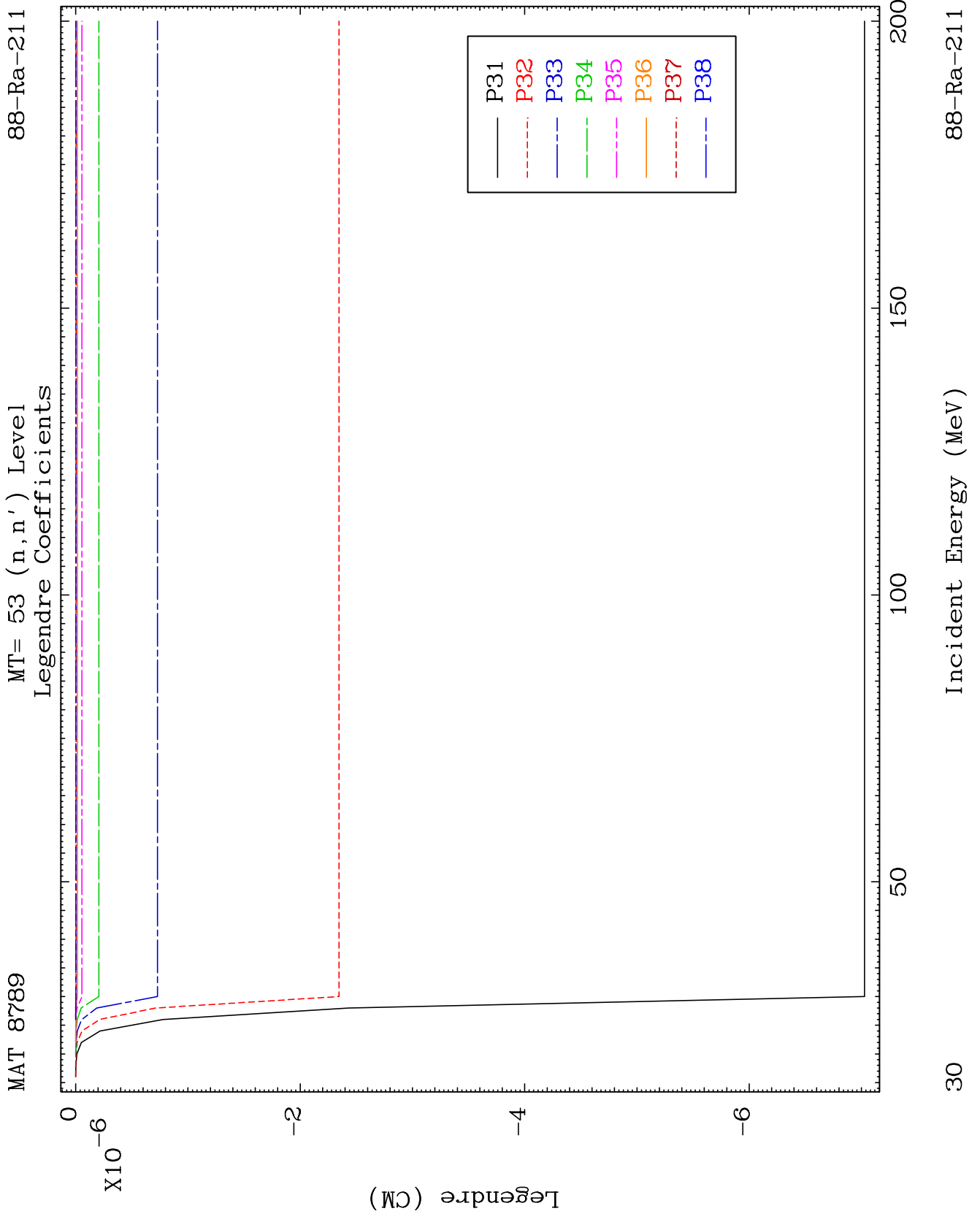
27

Incident Energy (MeV)

88-Ra-211



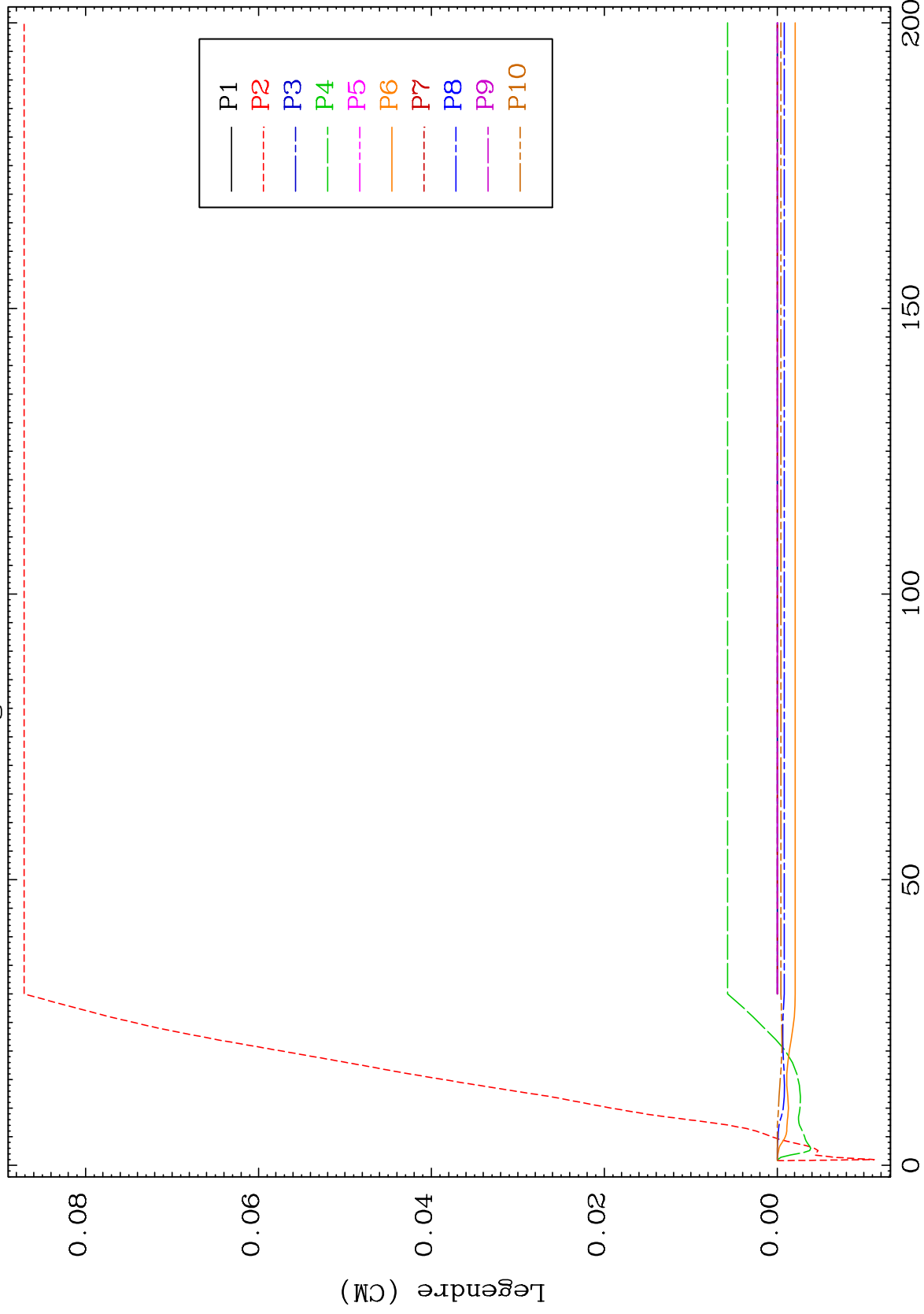




MAT 8789

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

88-Ra-211



31

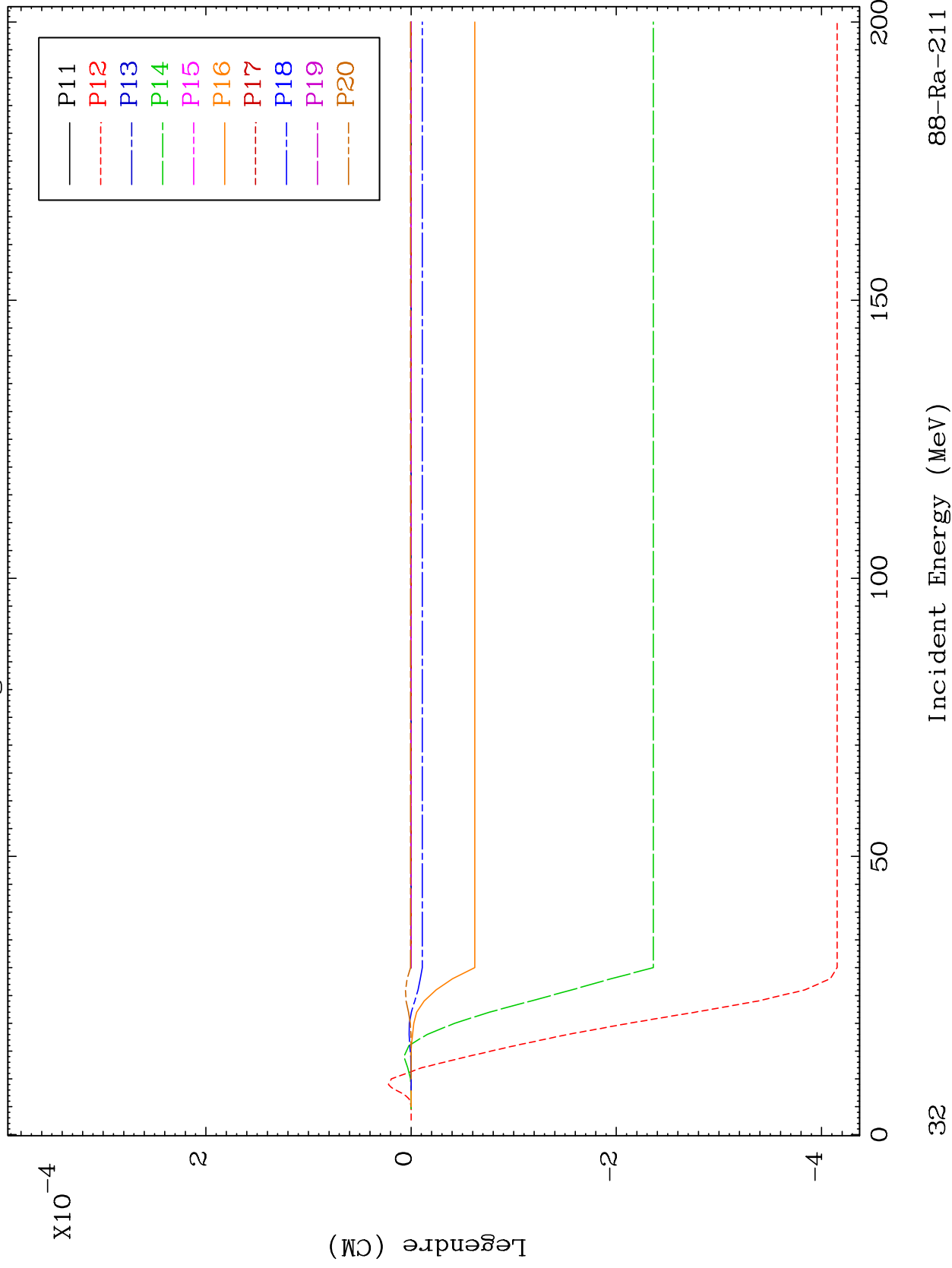
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



32

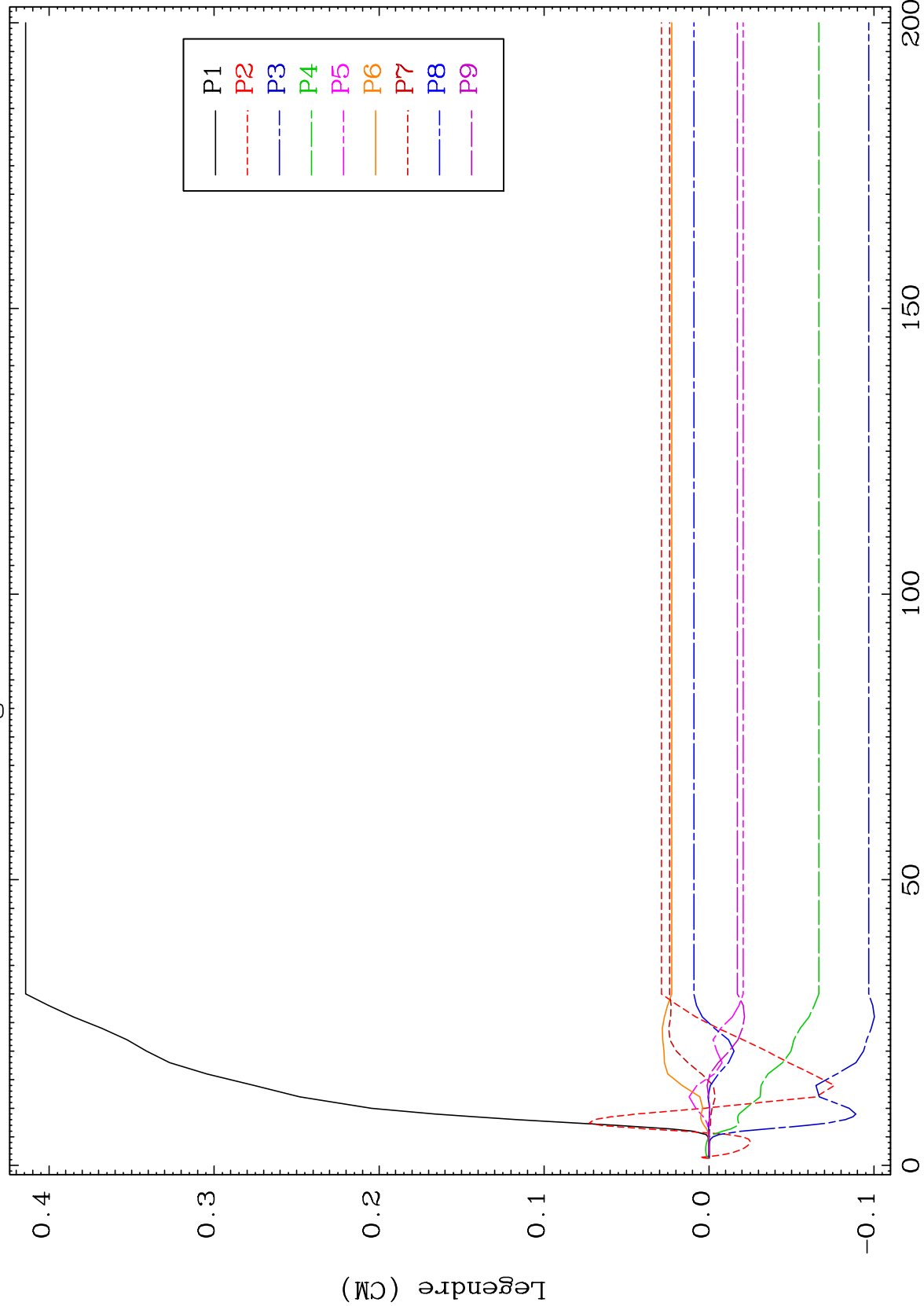
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



34

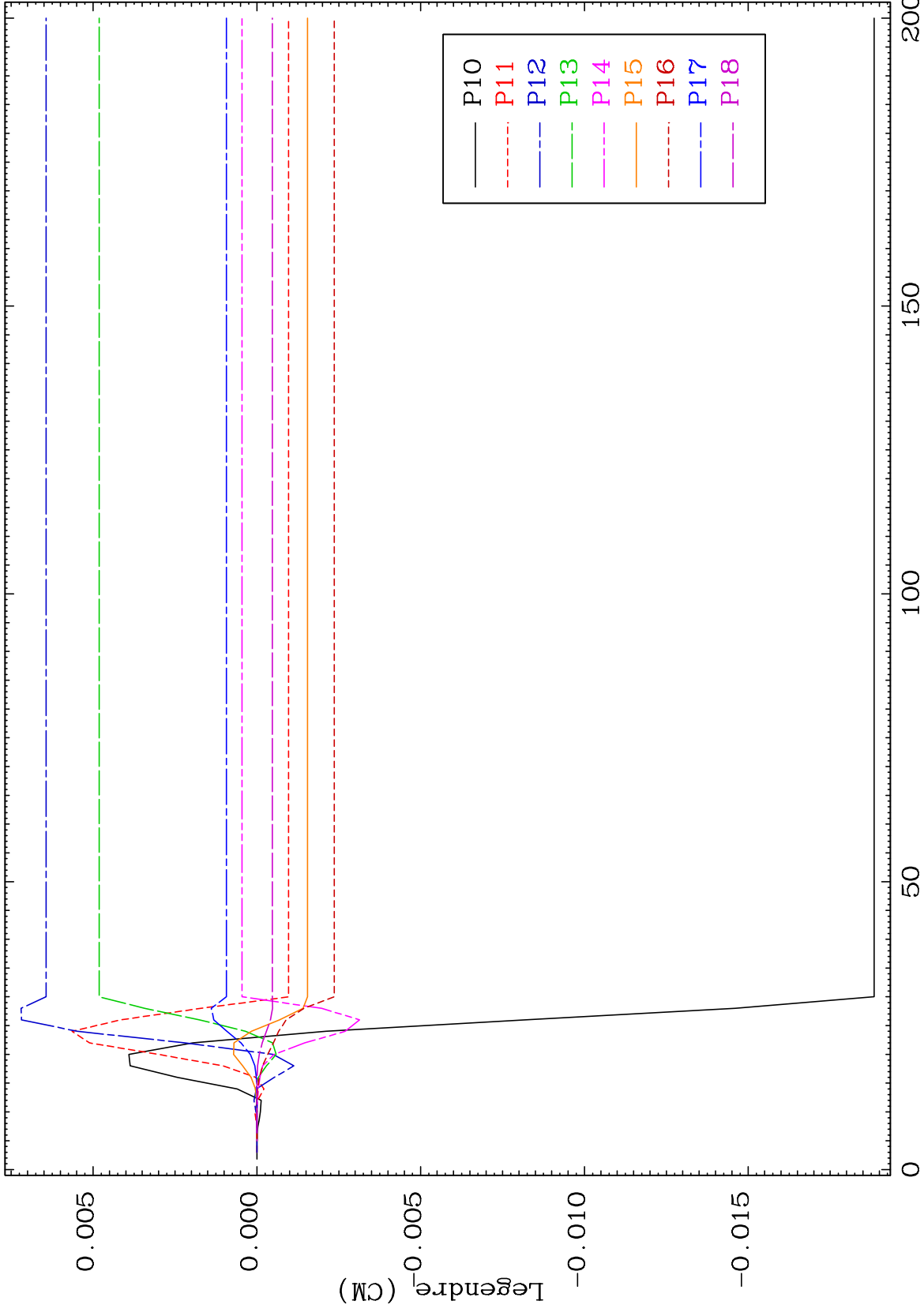
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



35

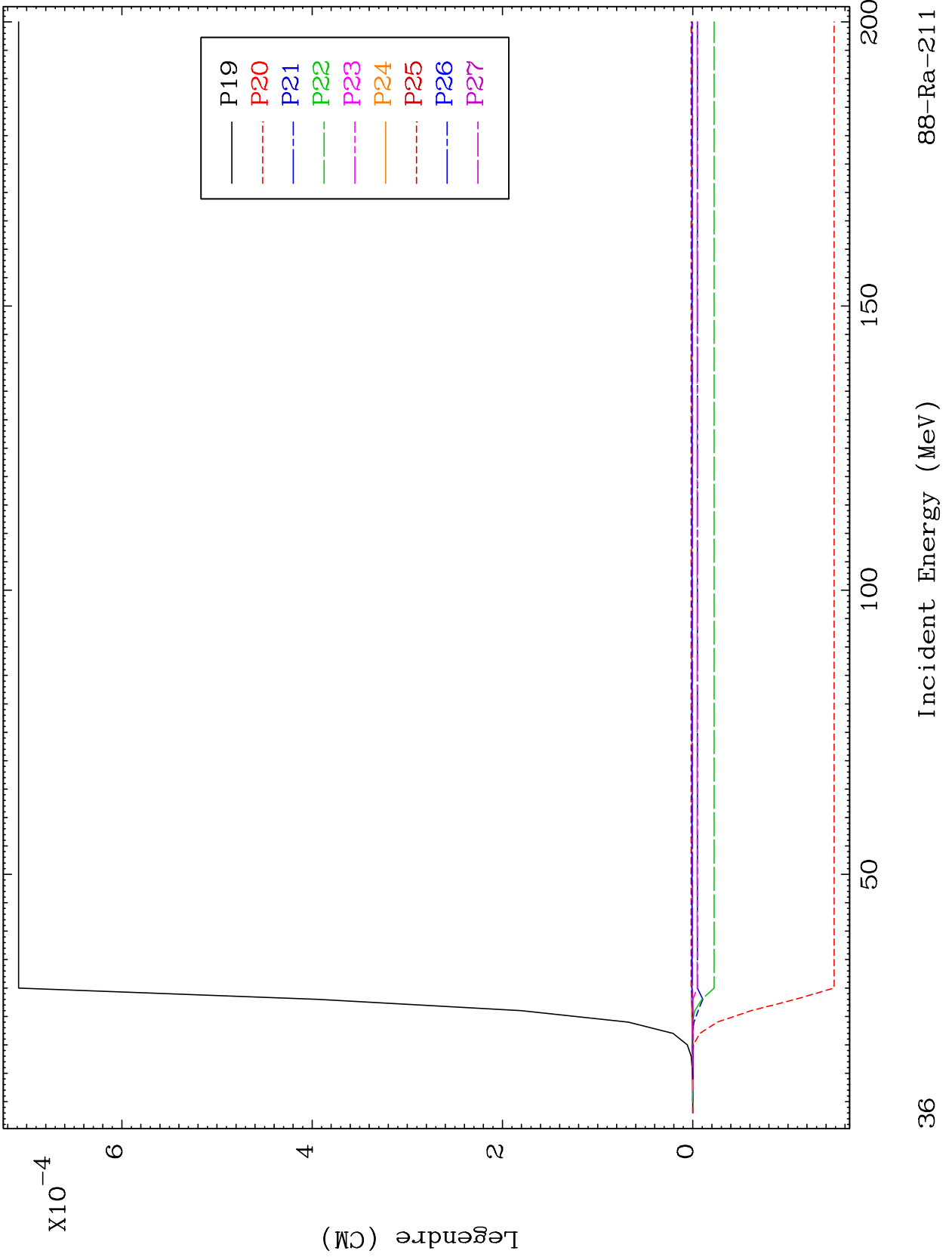
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

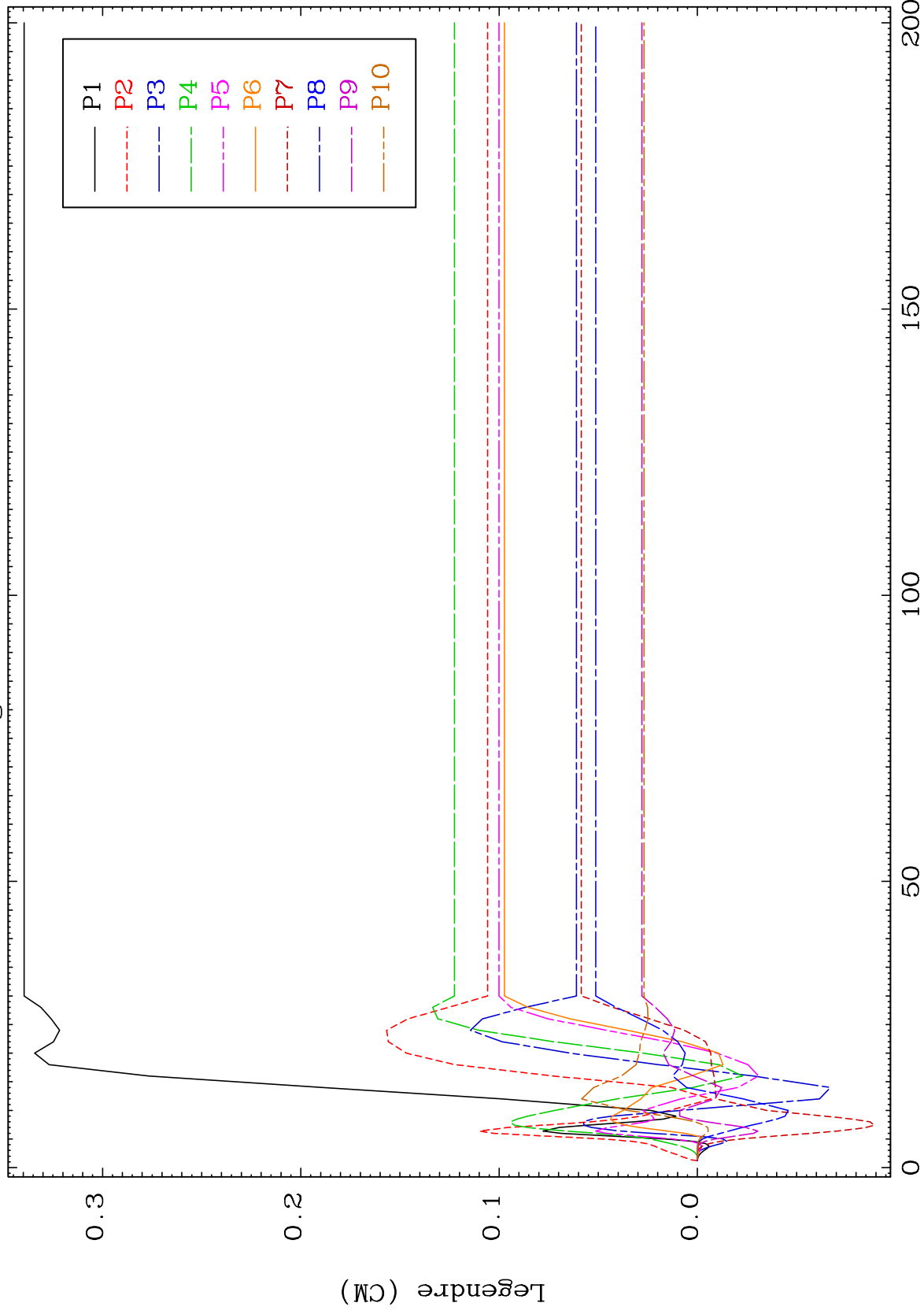
88-Ra-211



MAT 8789

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

88-Ra-211



88-Ra-211

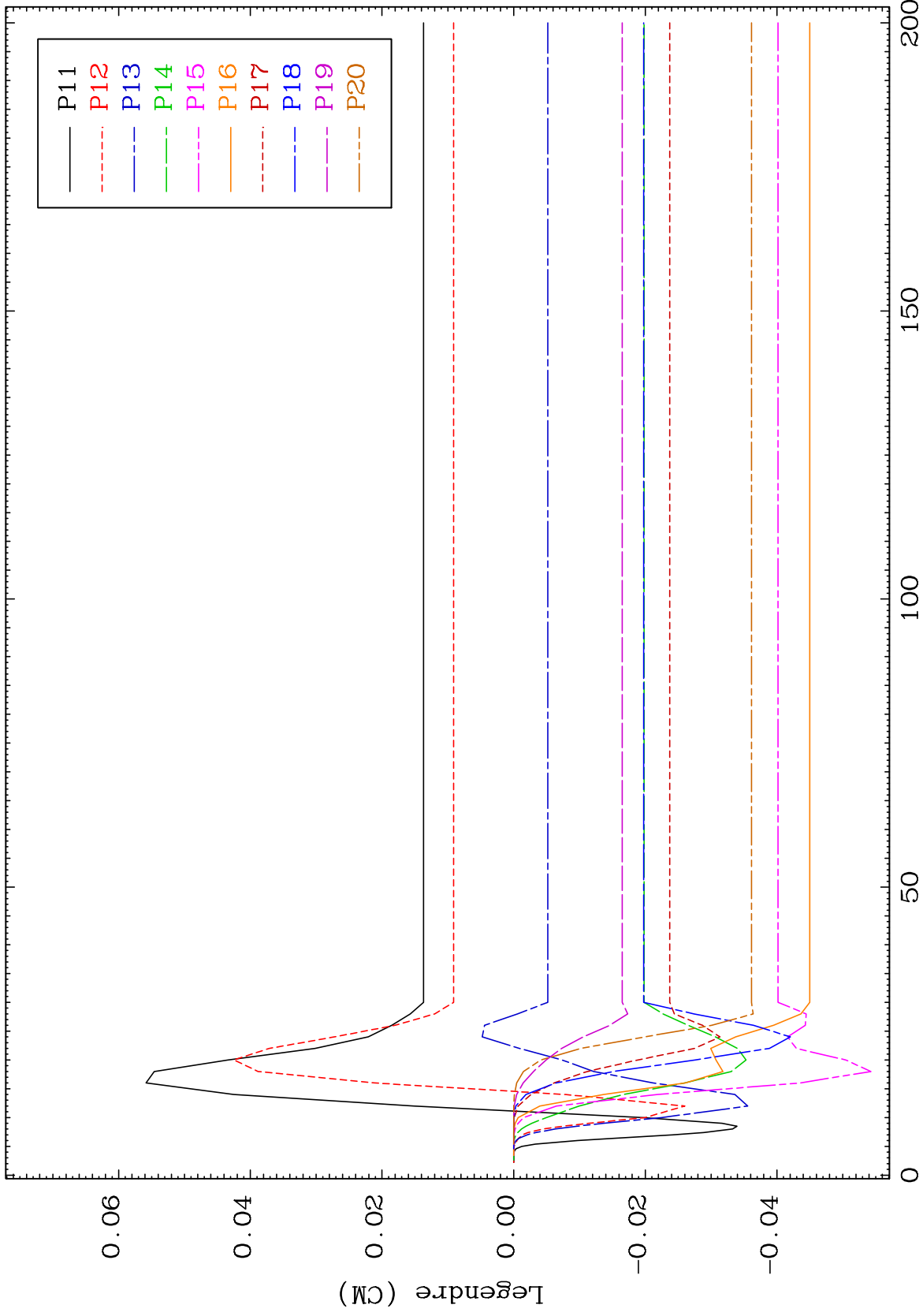
Incident Energy (MeV)

38

MAT 8789

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

88-Ra-211



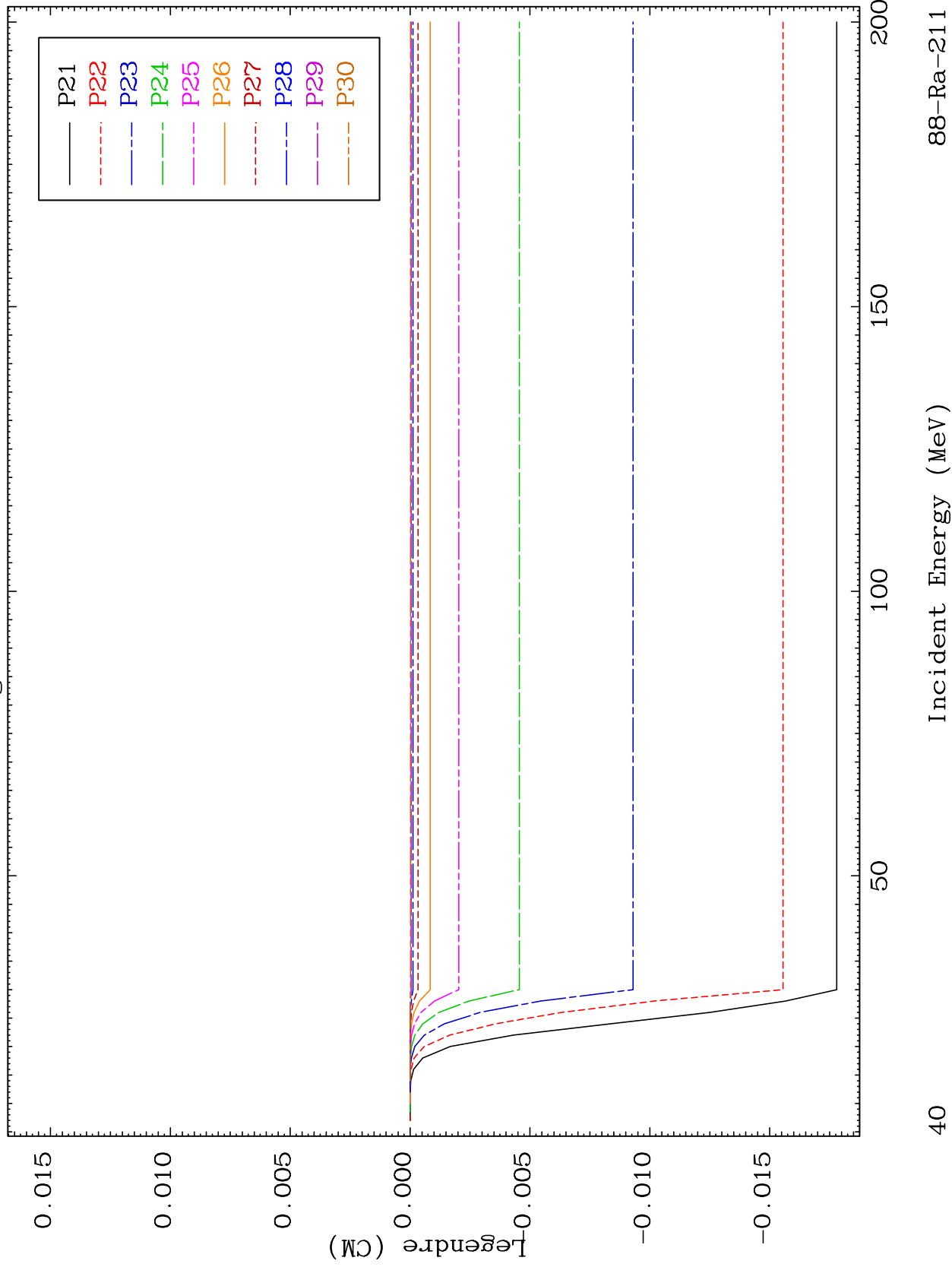
39

88-Ra-211

MAT 8789

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

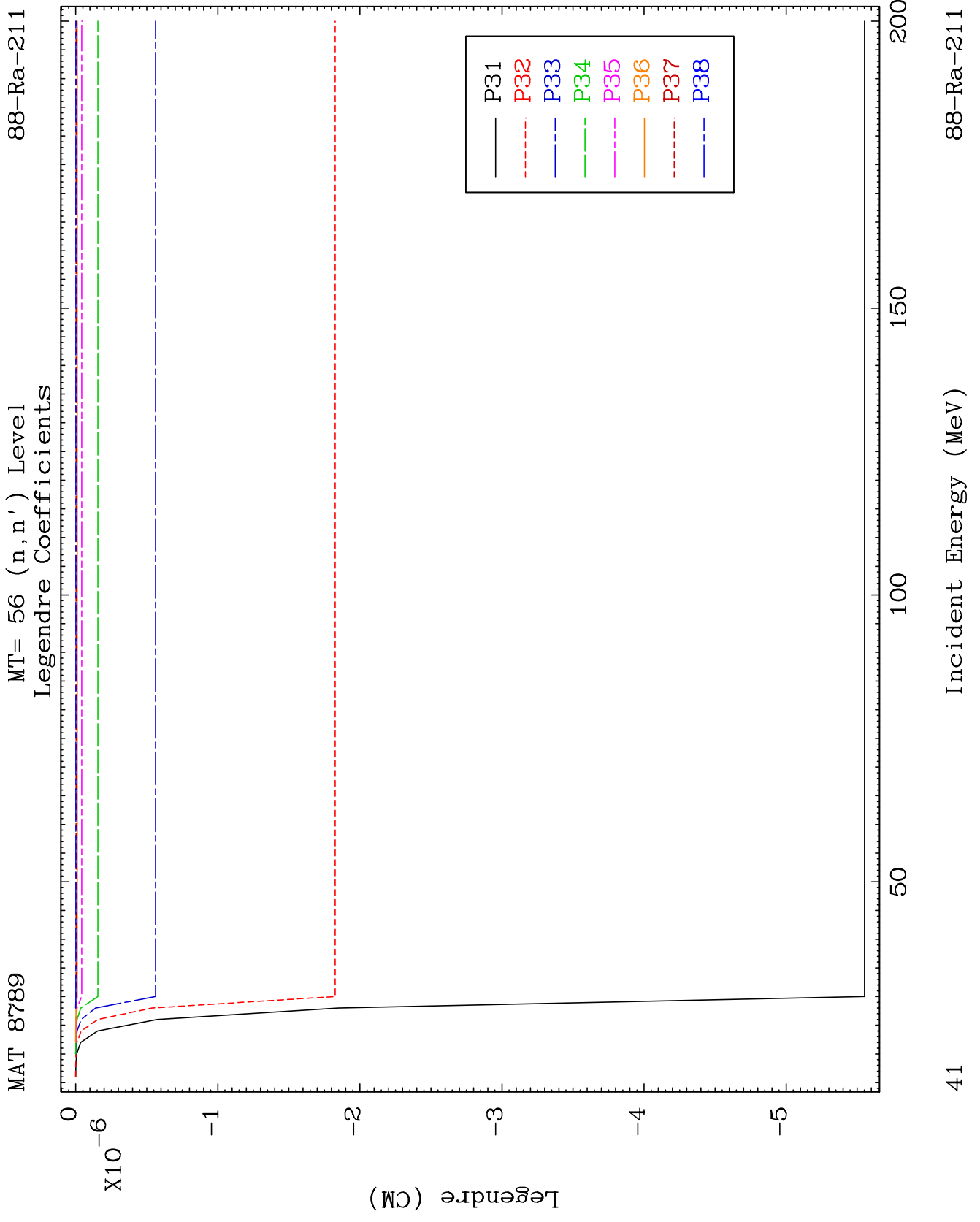
88-Ra-211



40

Incident Energy (MeV)

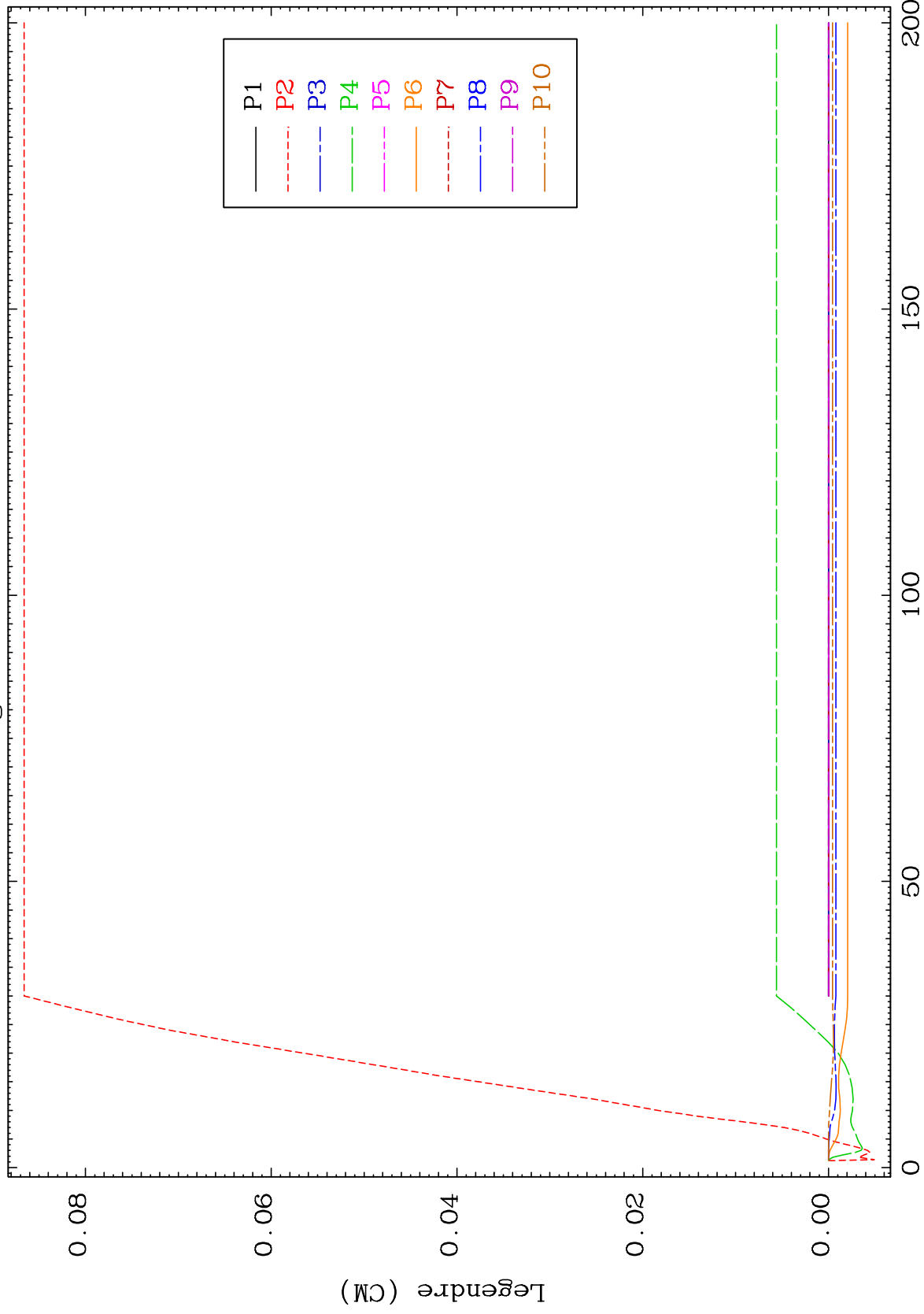
88-Ra-211



MAT 8789

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

88-Ra-211



42

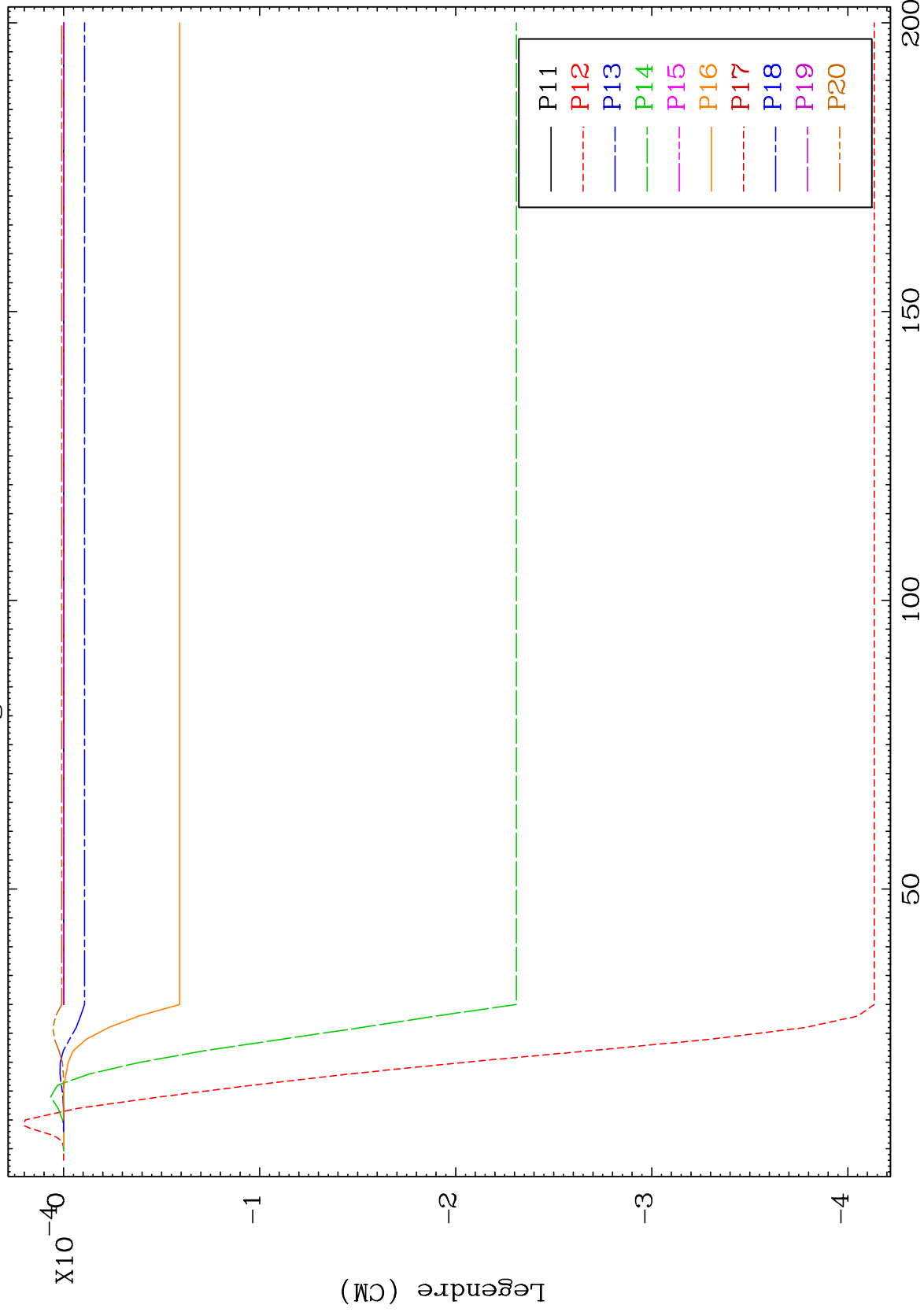
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



43

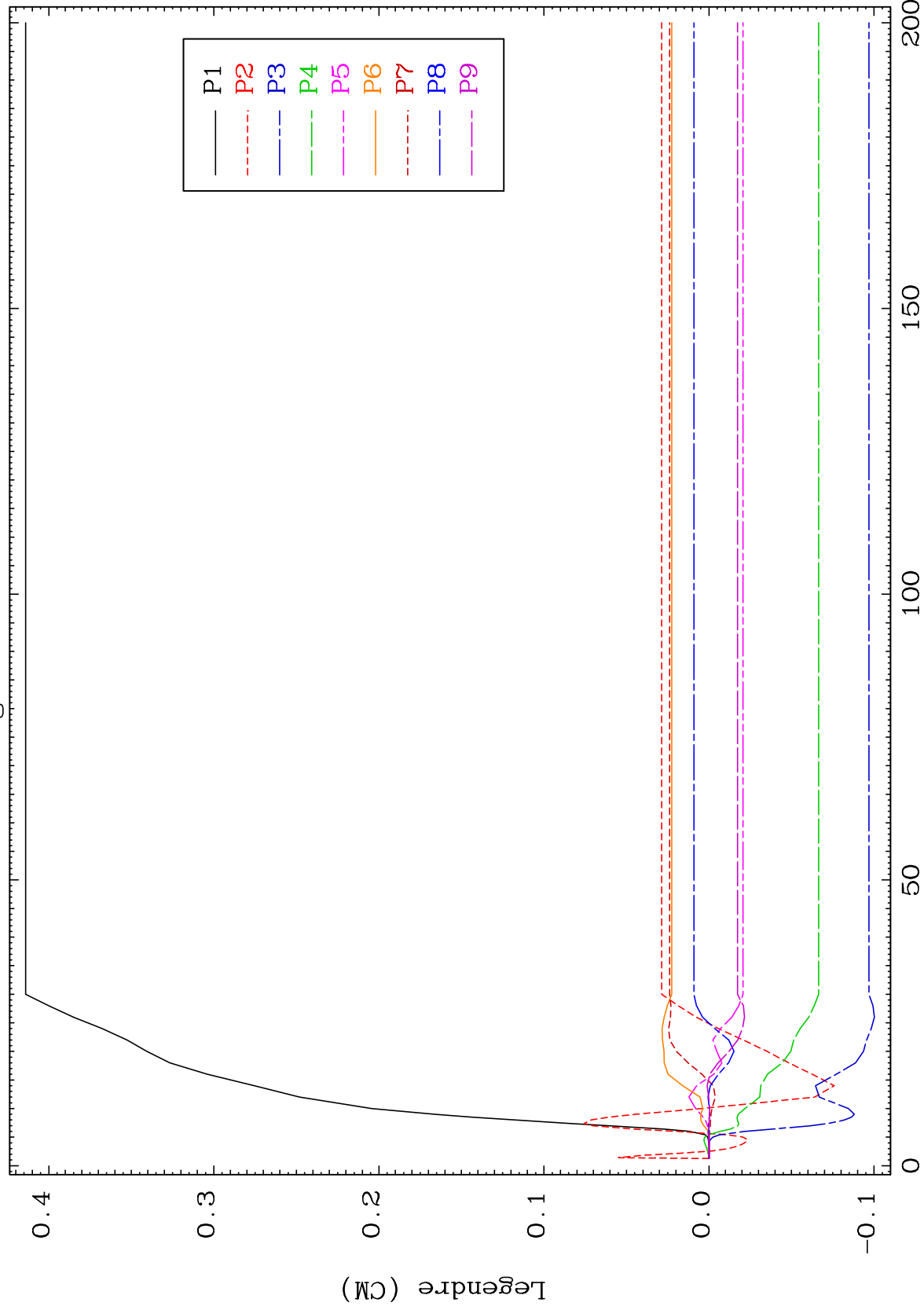
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



45

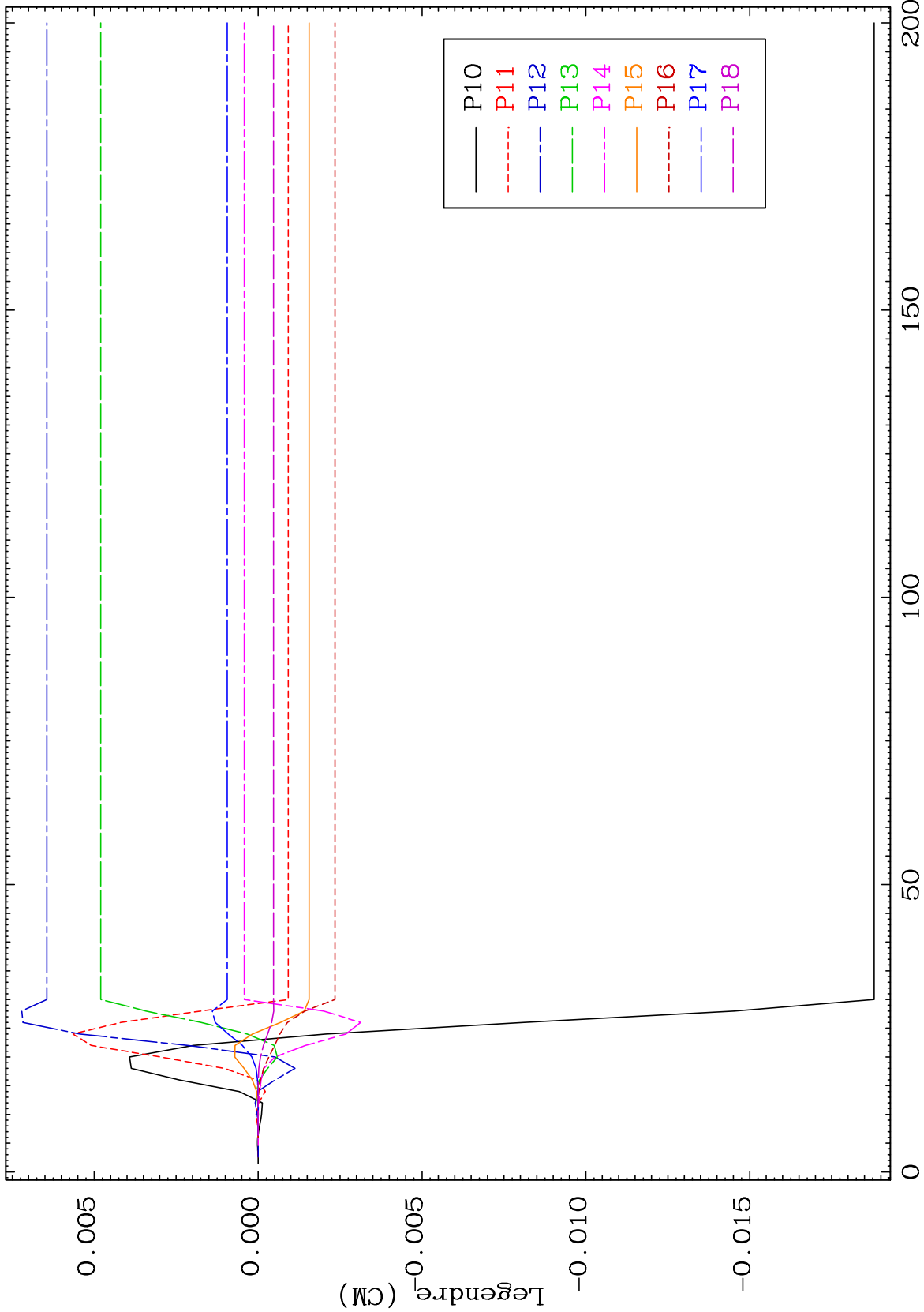
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



46

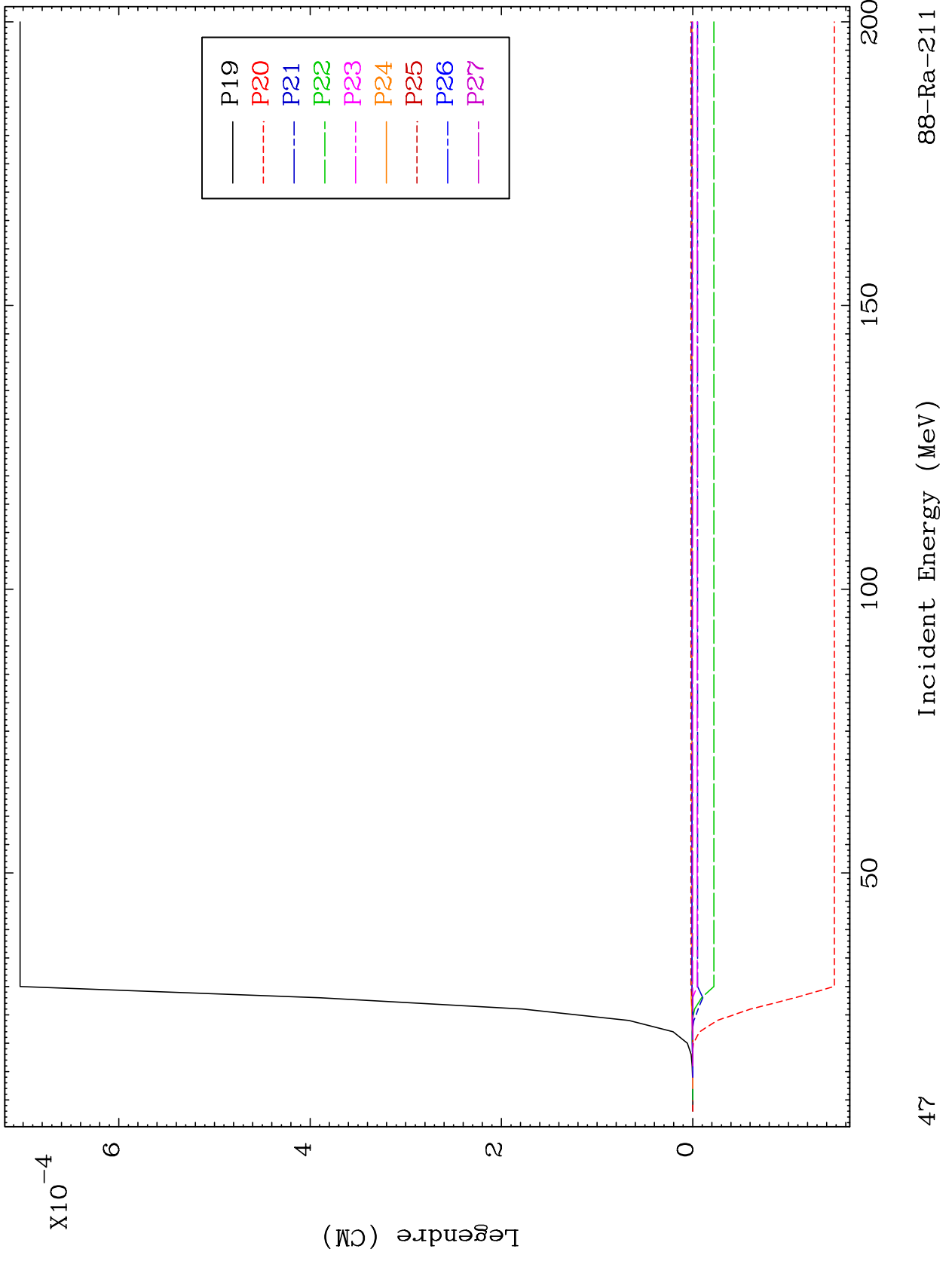
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

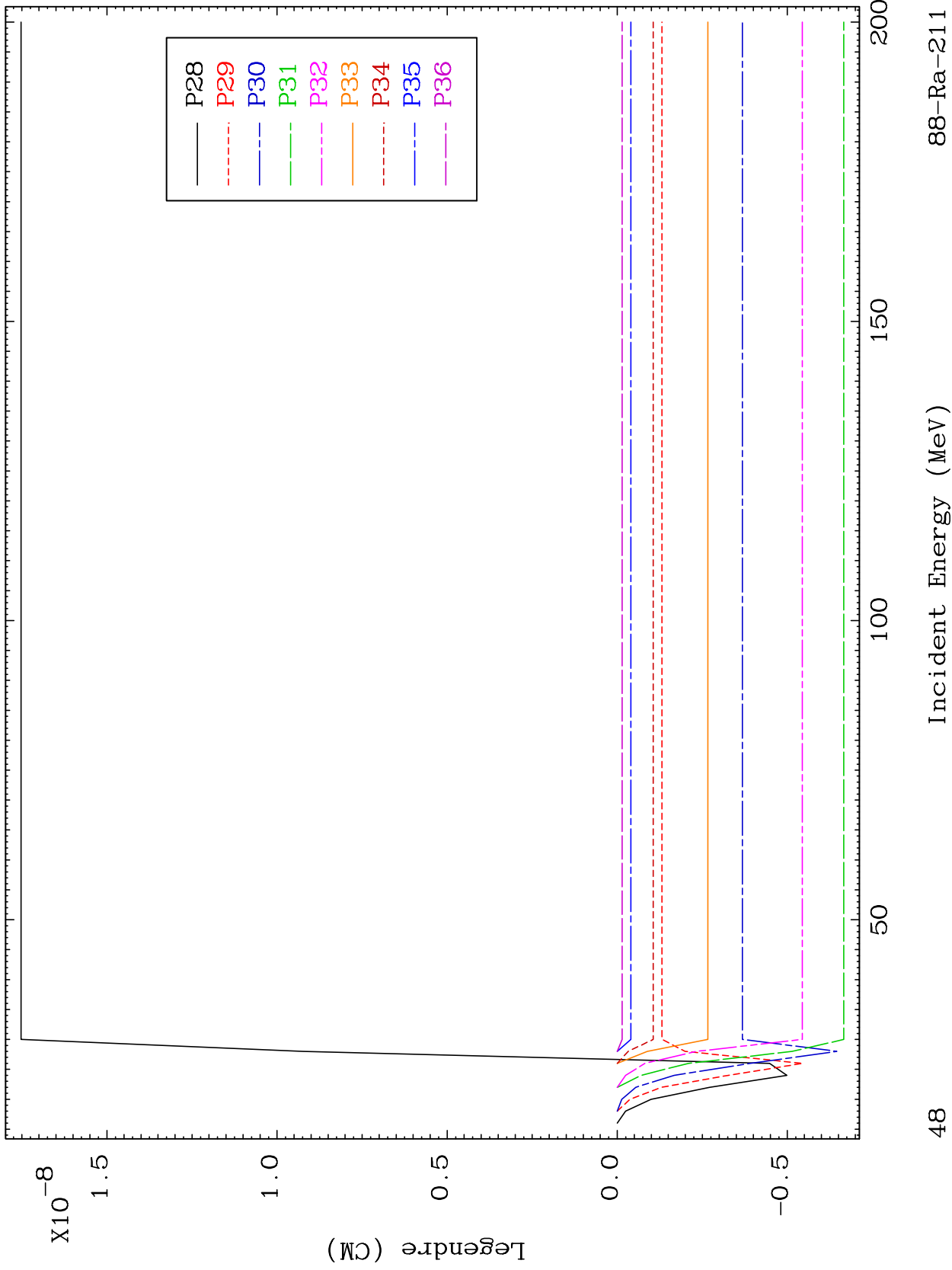
88-Ra-211



MAT 8789

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

88-Ra-211



48

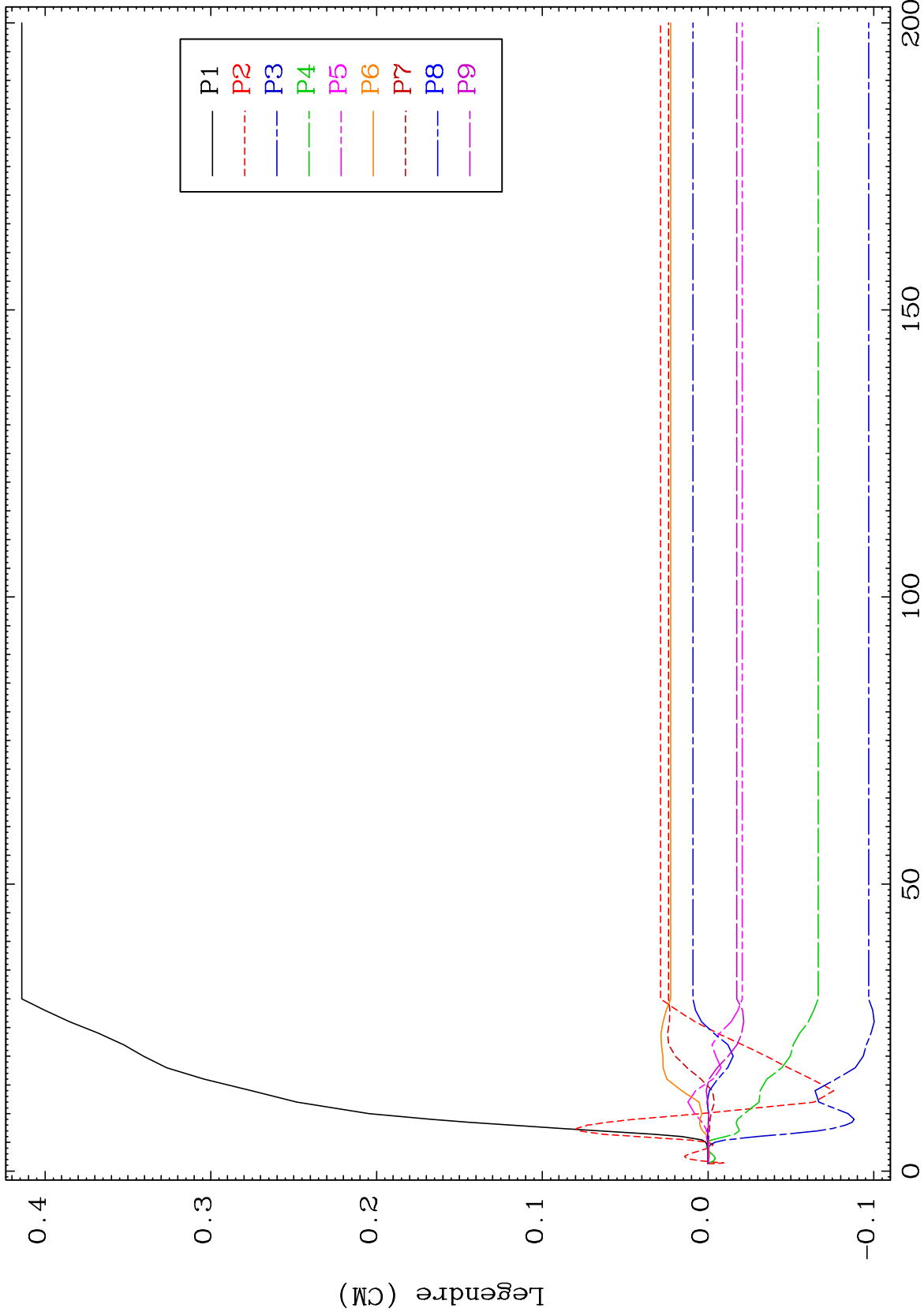
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



49

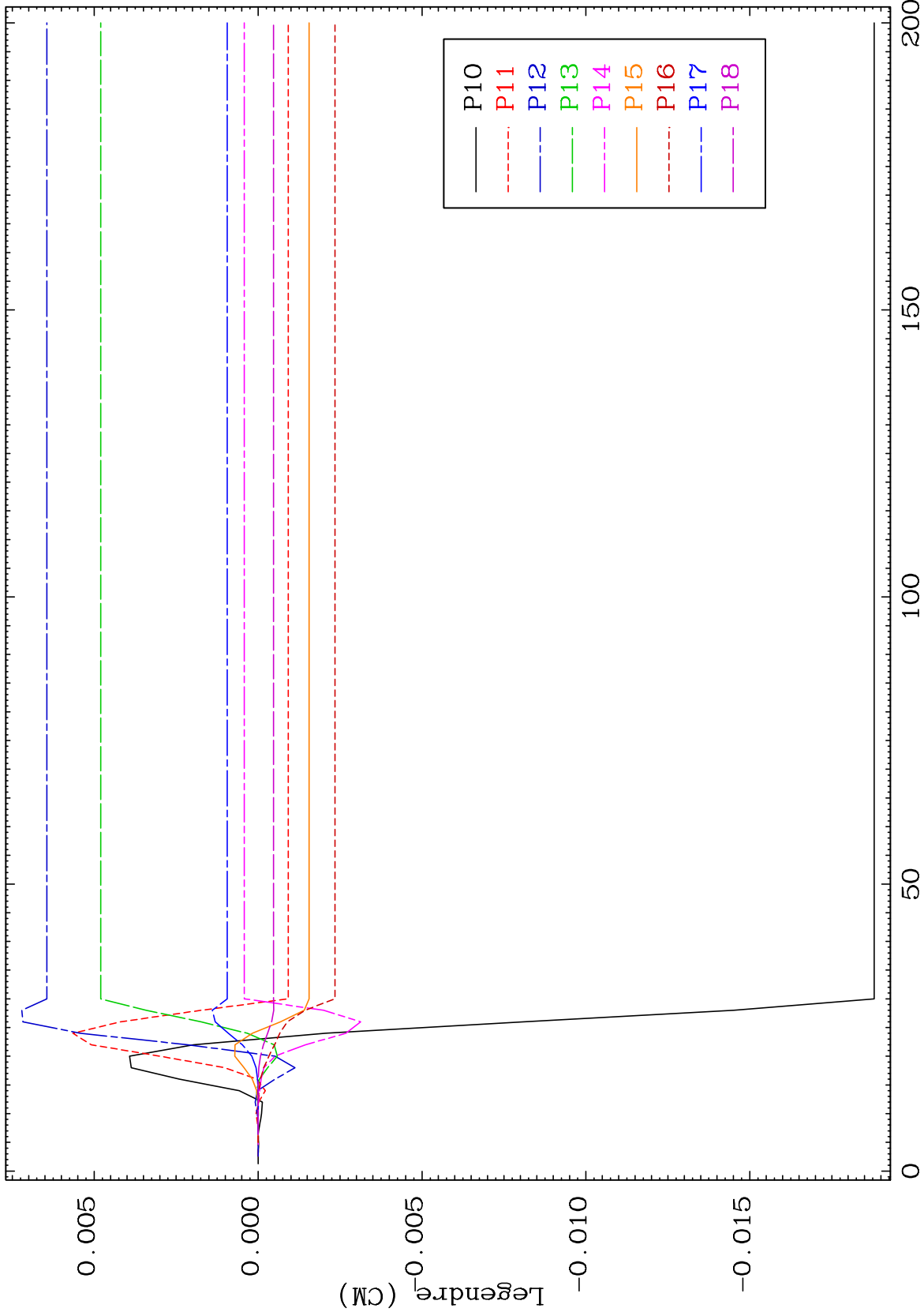
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



88-Ra-211

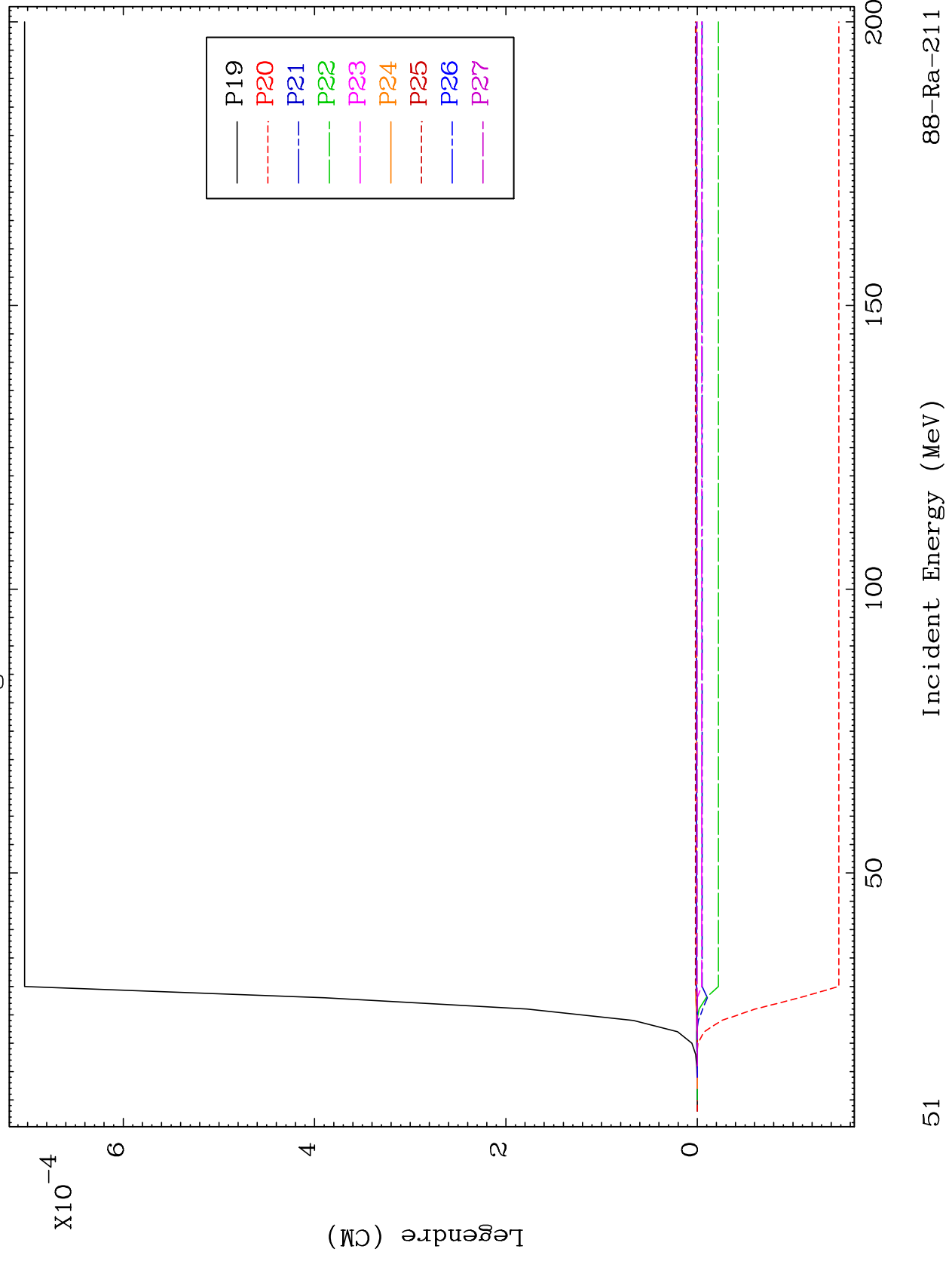
Incident Energy (MeV)

50

MAT 8789

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

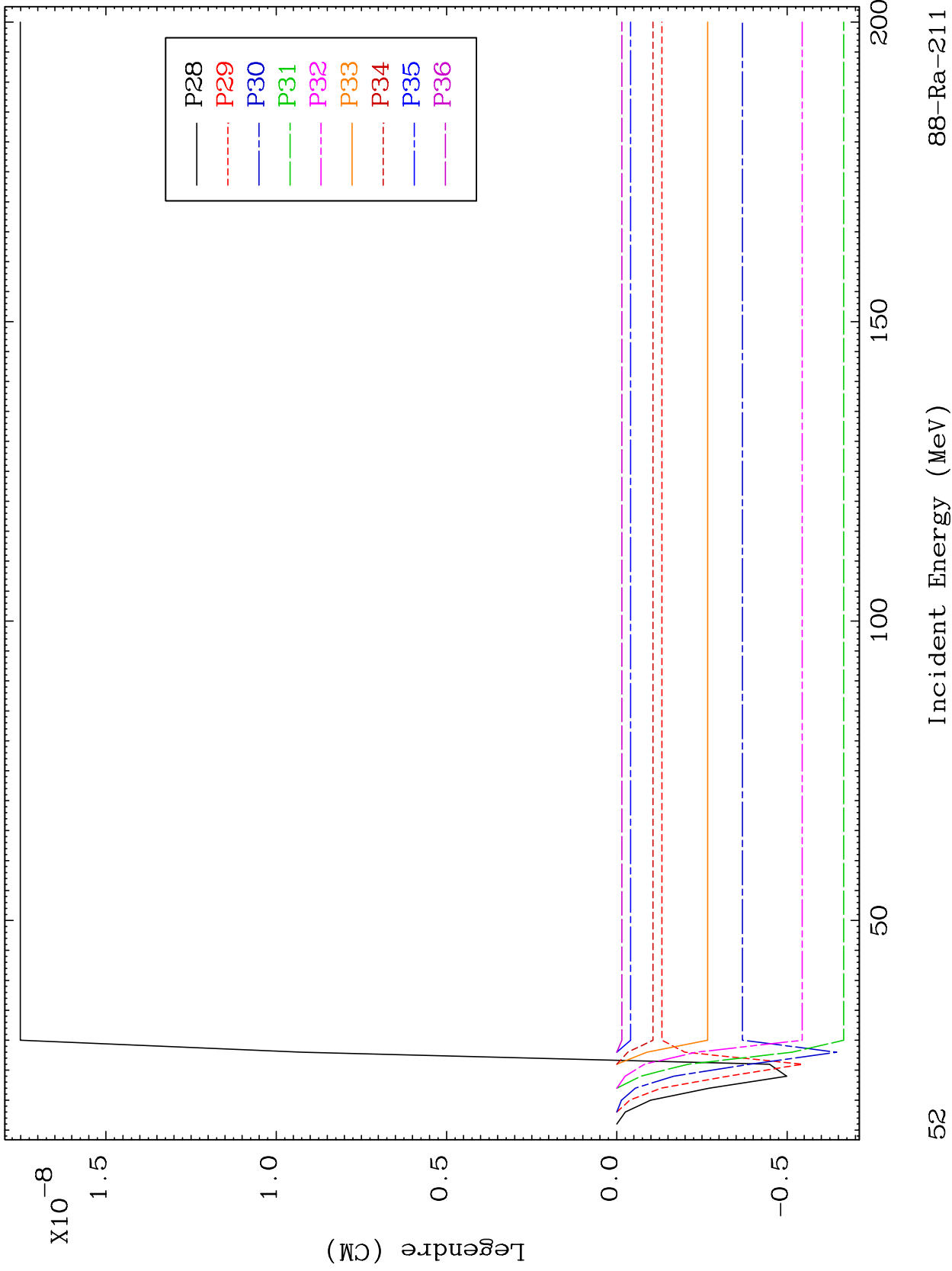
88-Ra-211



MAT 8789

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

88-Ra-211



52

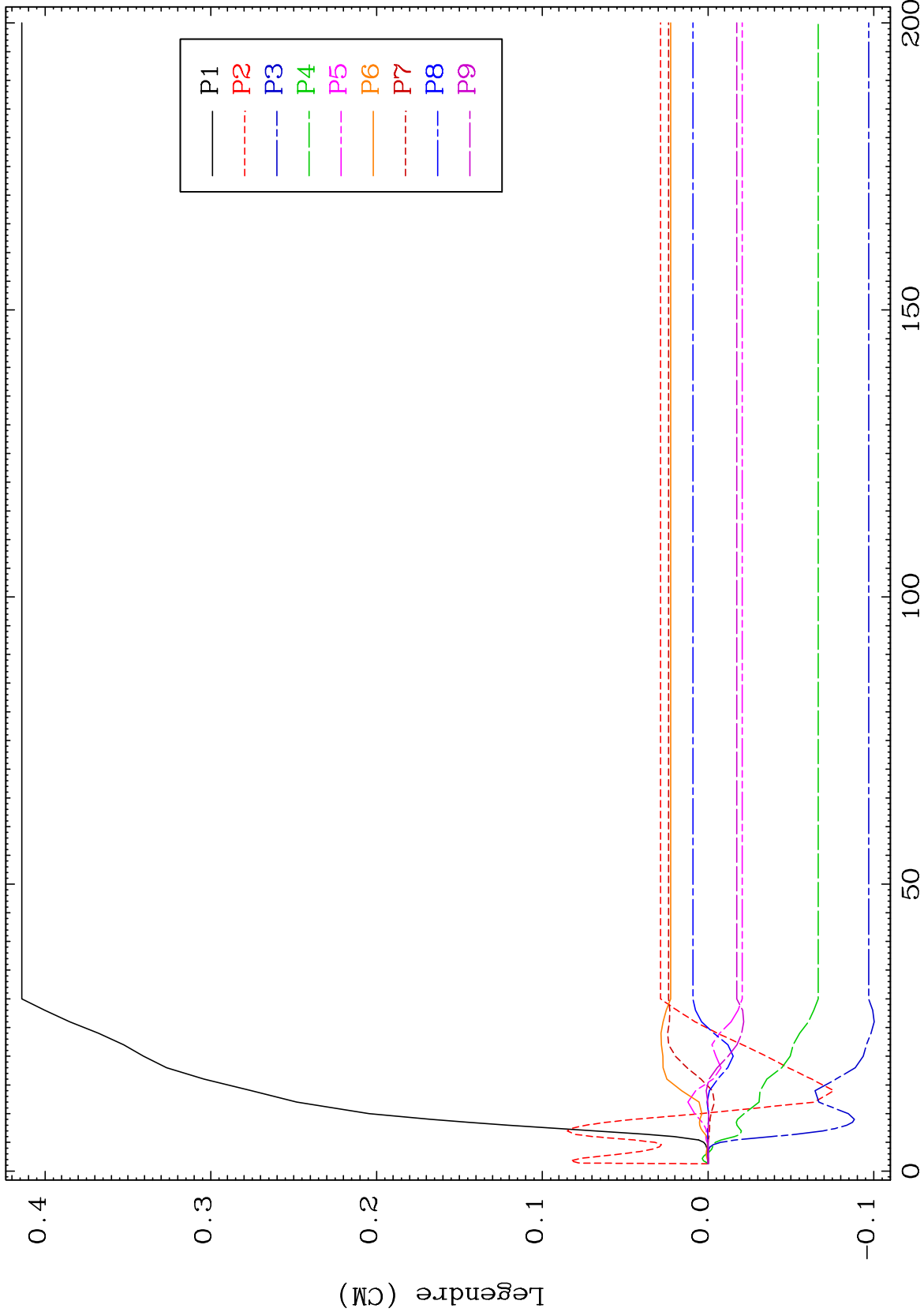
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



53

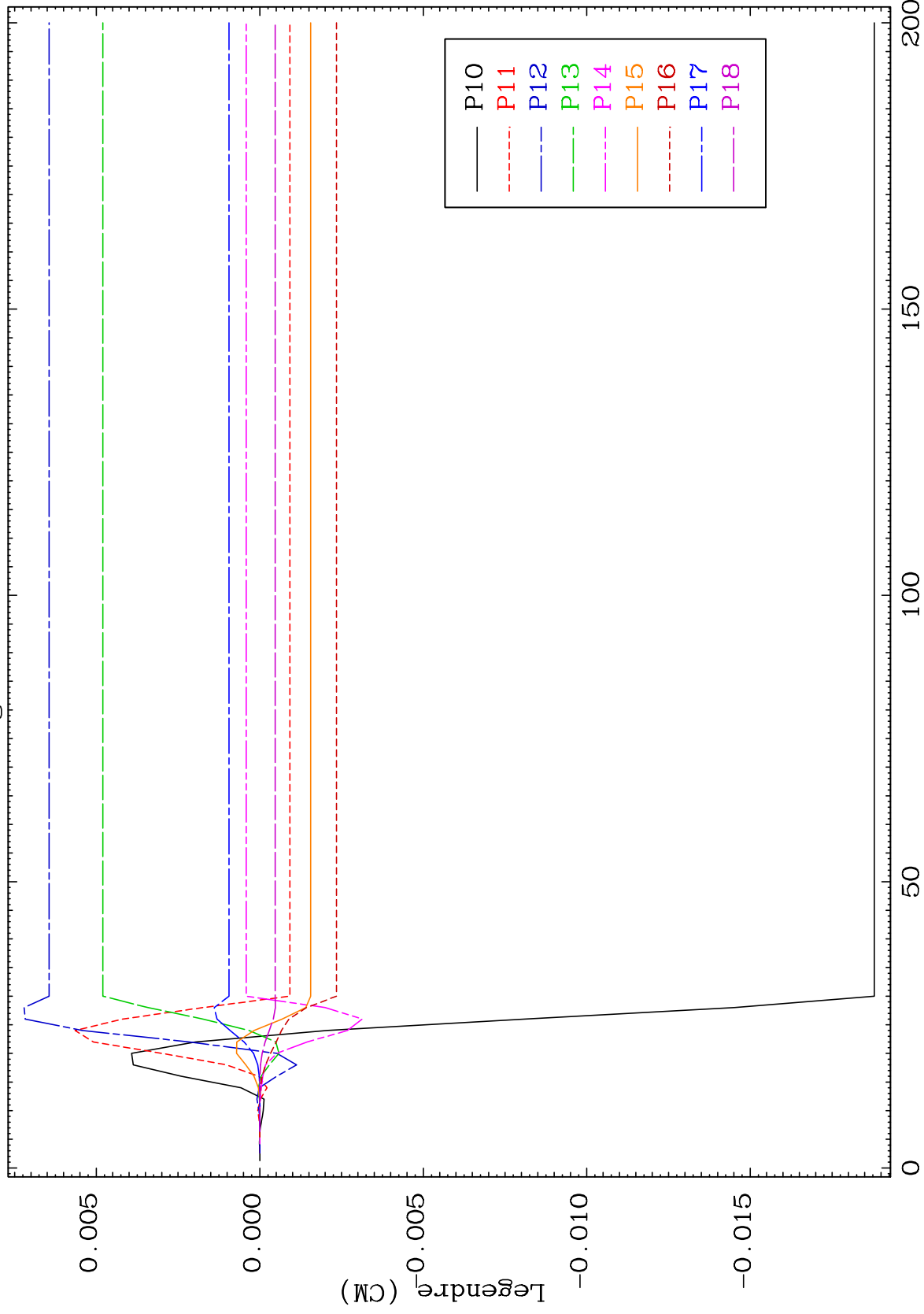
Incident Energy (MeV)

88-Ra-211

MAT 8789

88-Ra-211

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



54

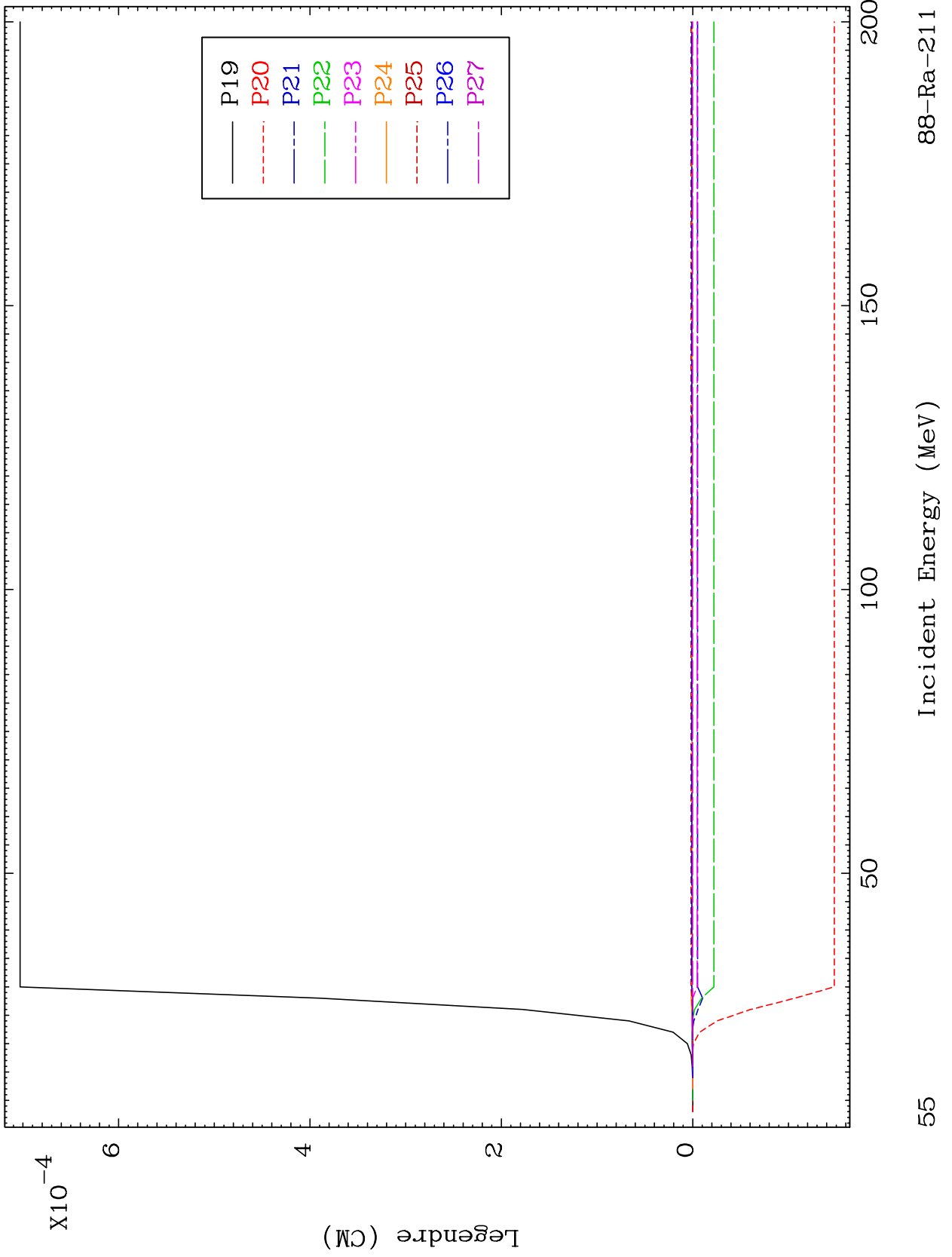
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



55

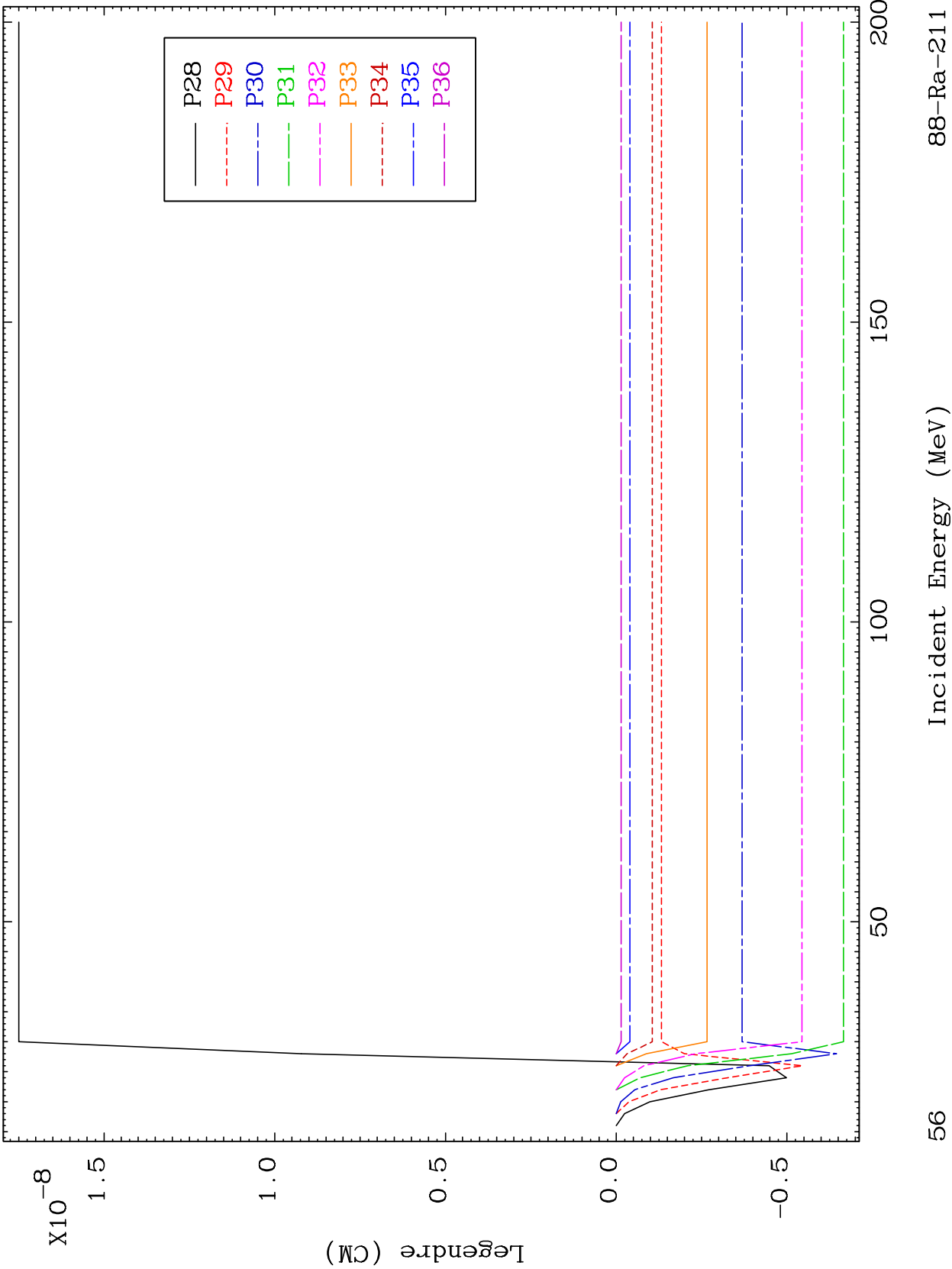
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



56

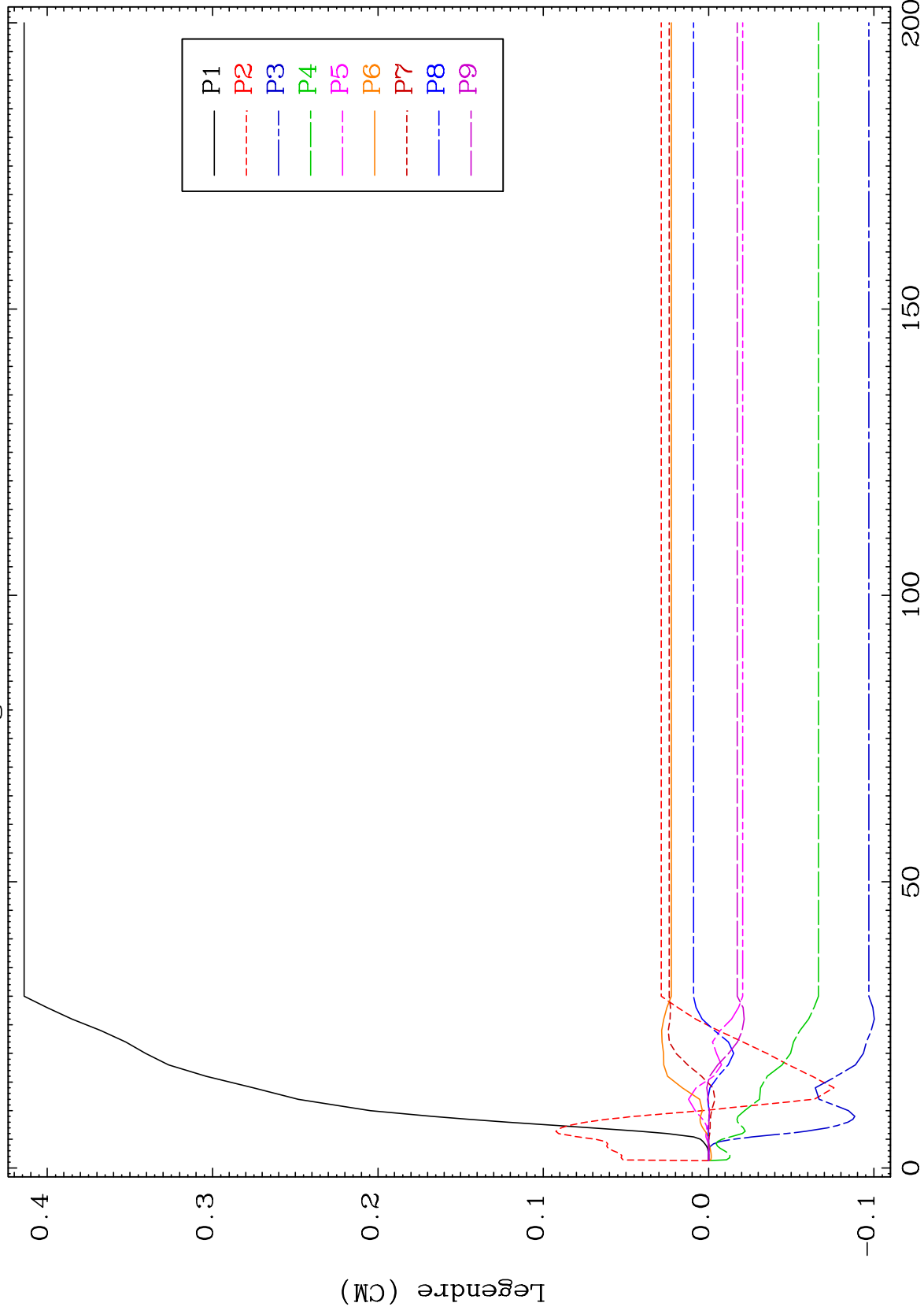
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



57

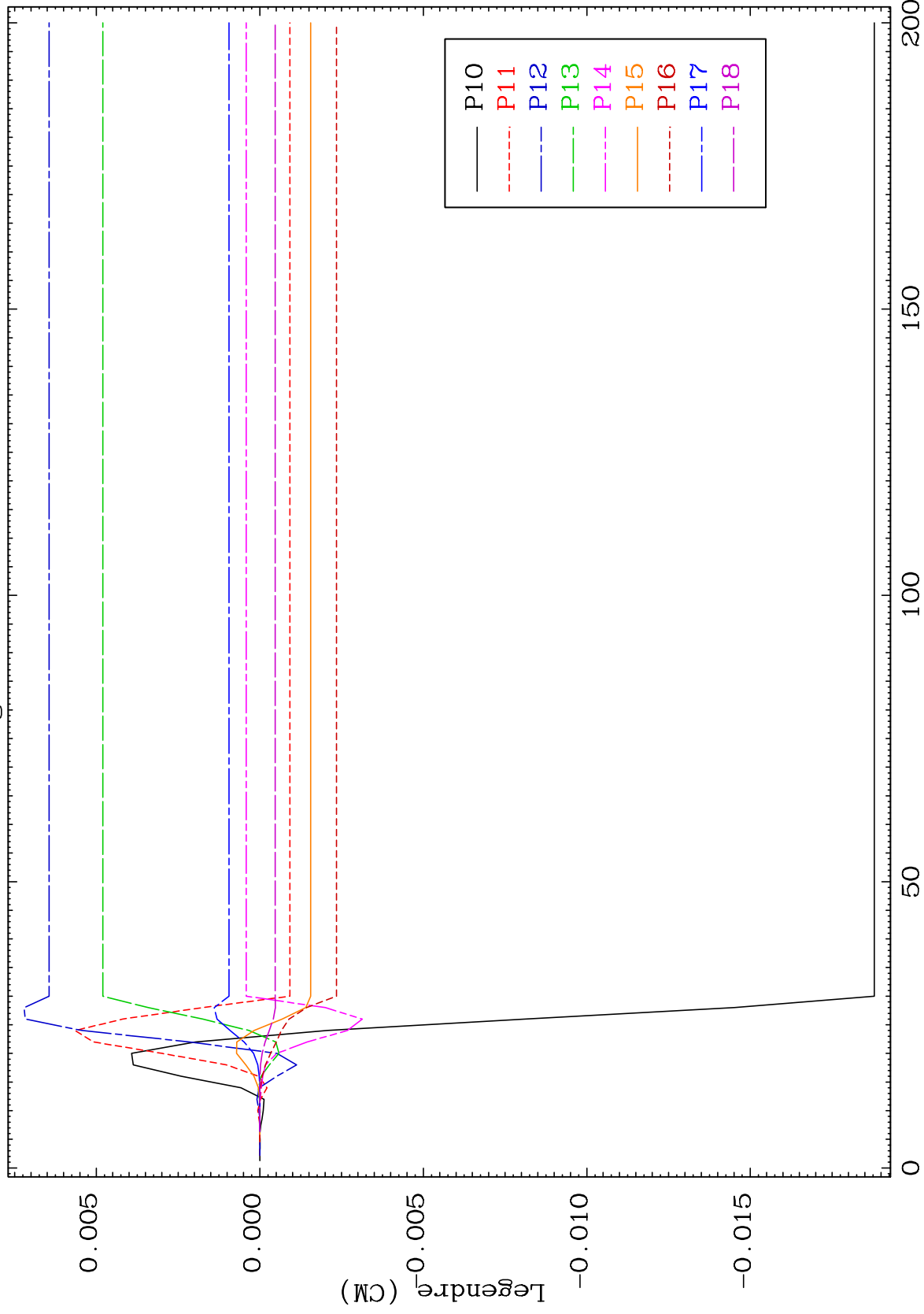
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



58

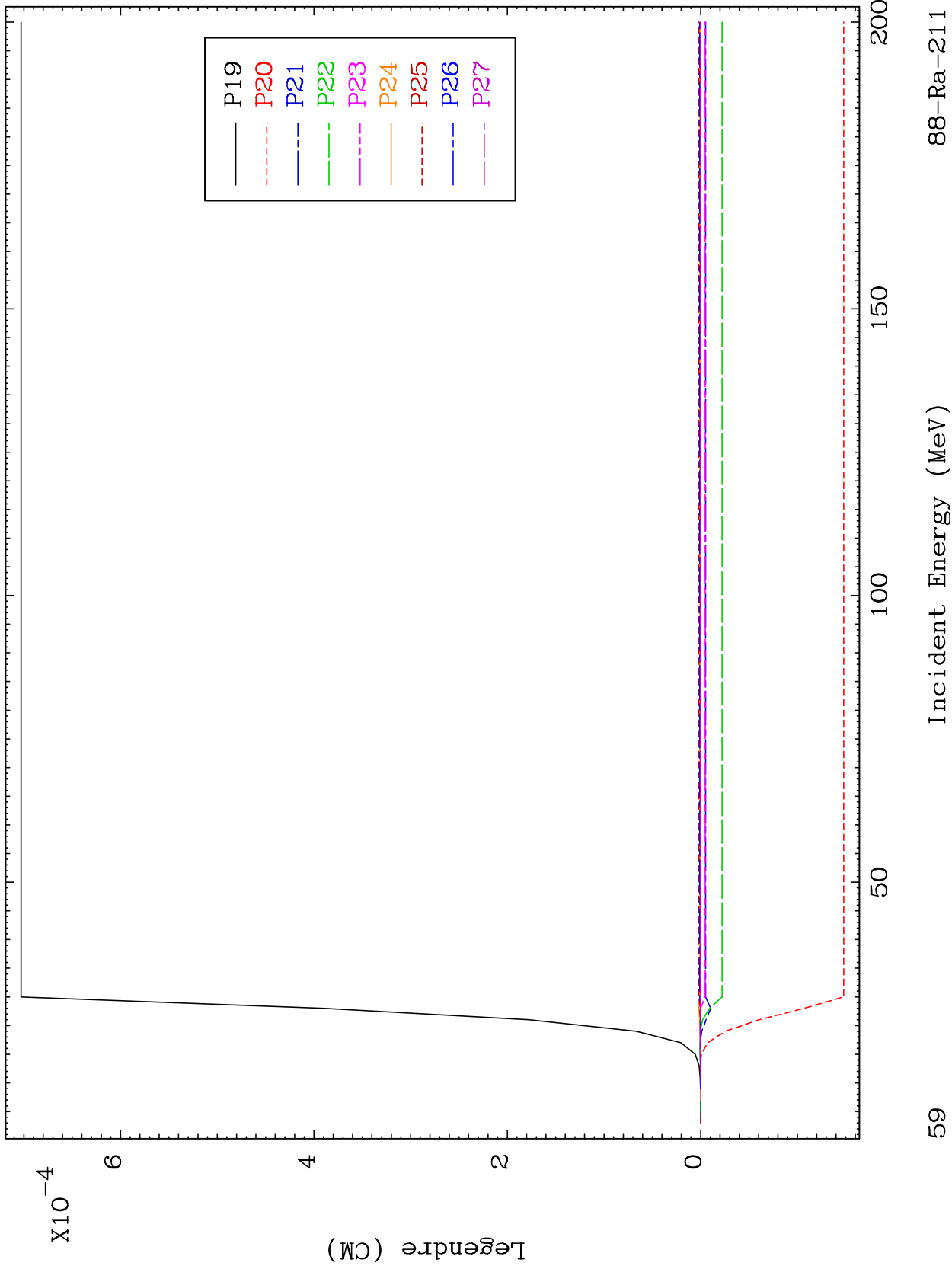
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



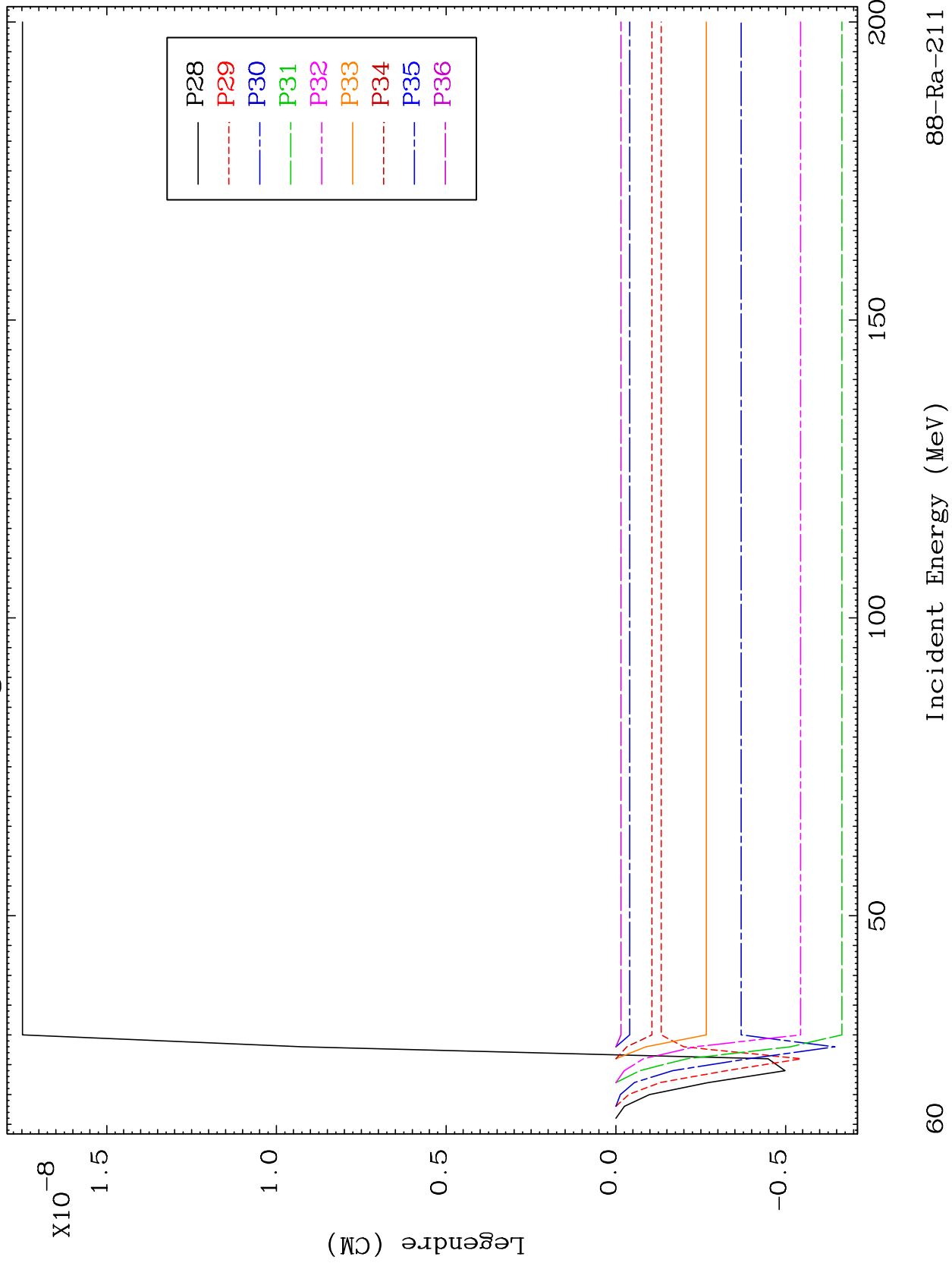
59

88-Ra-211

MAT 8789

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

88-Ra-211



60

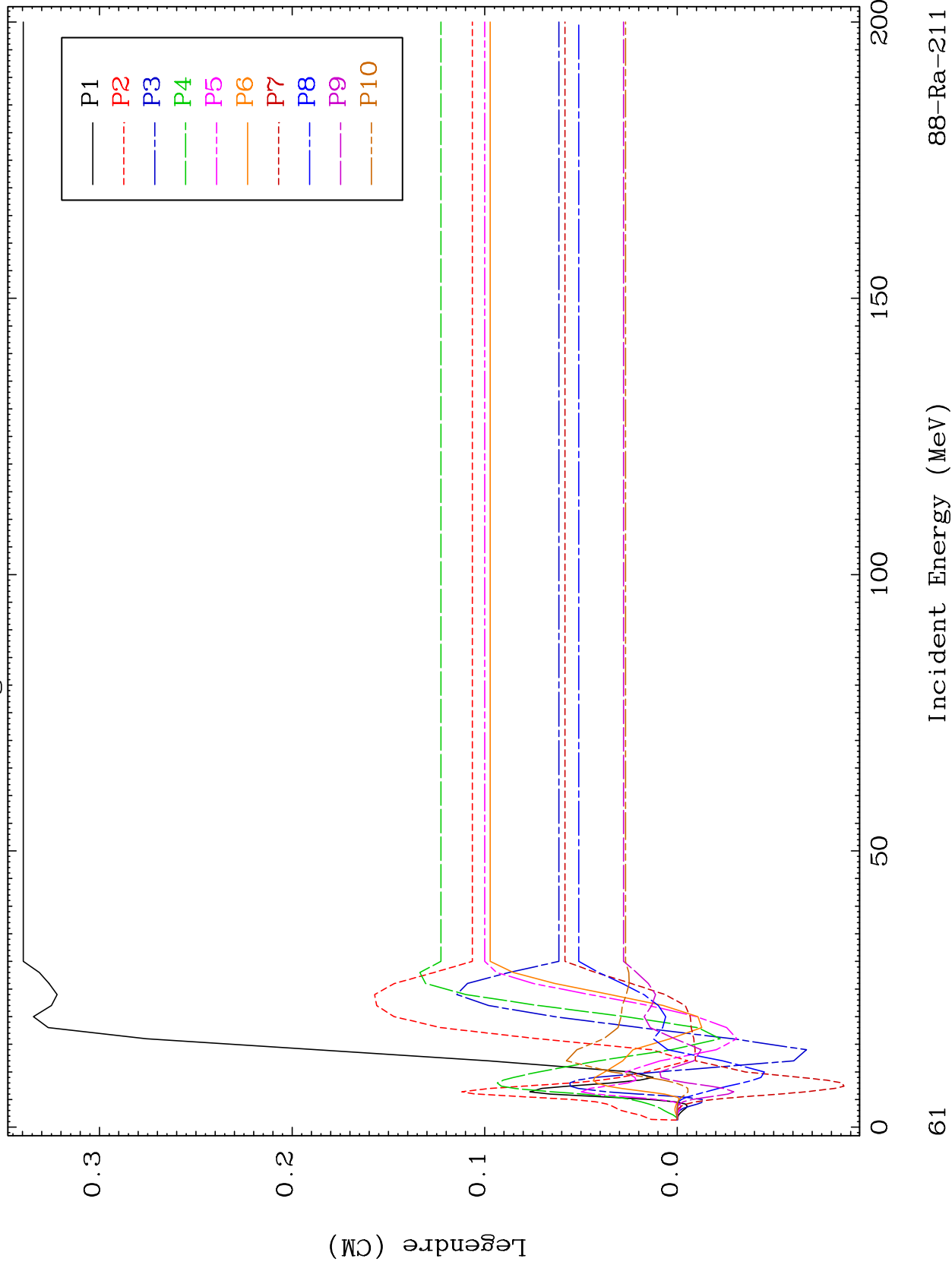
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



88-Ra-211

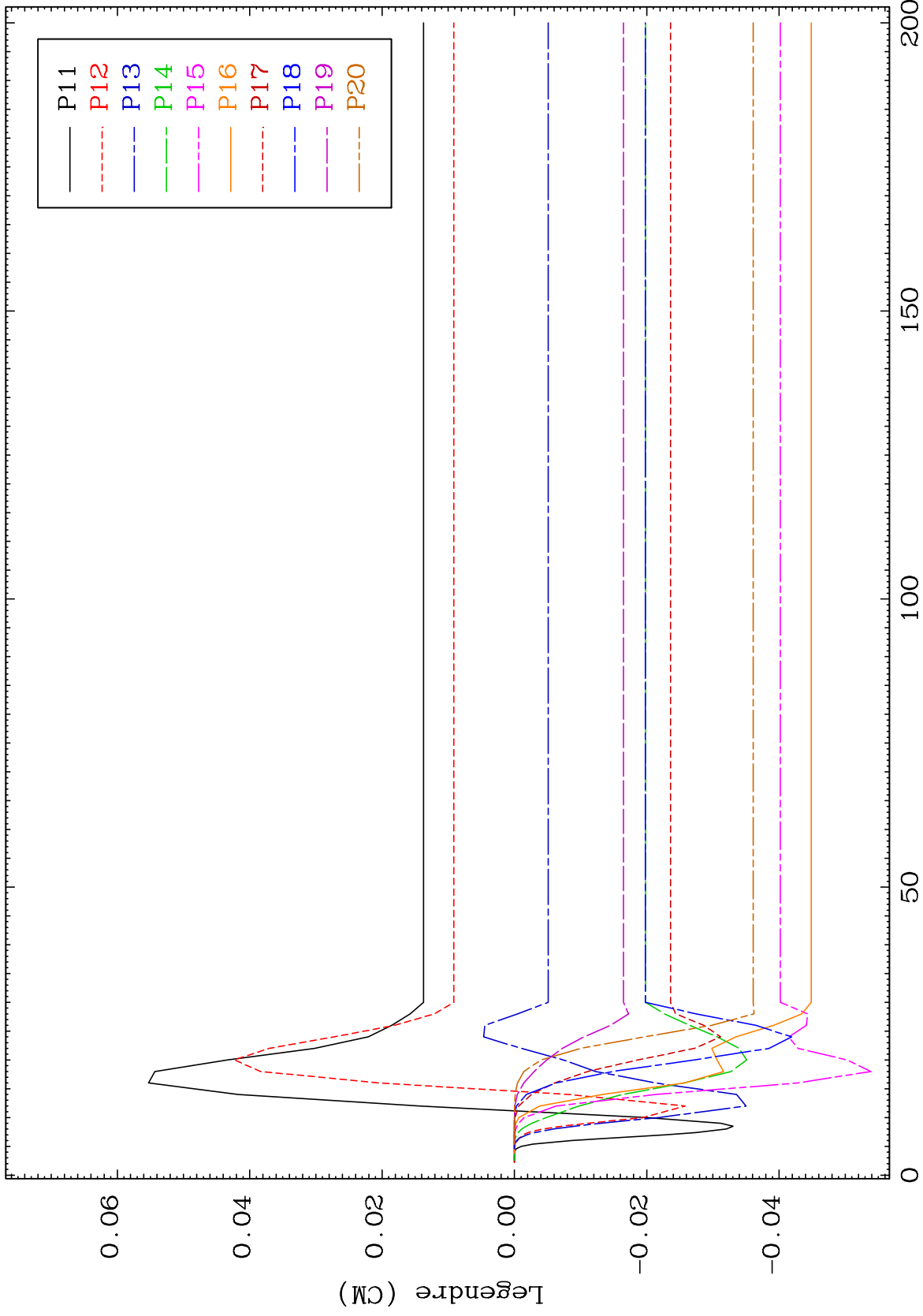
Incident Energy (MeV)

61

MAT 8789

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

88-Ra-211



62

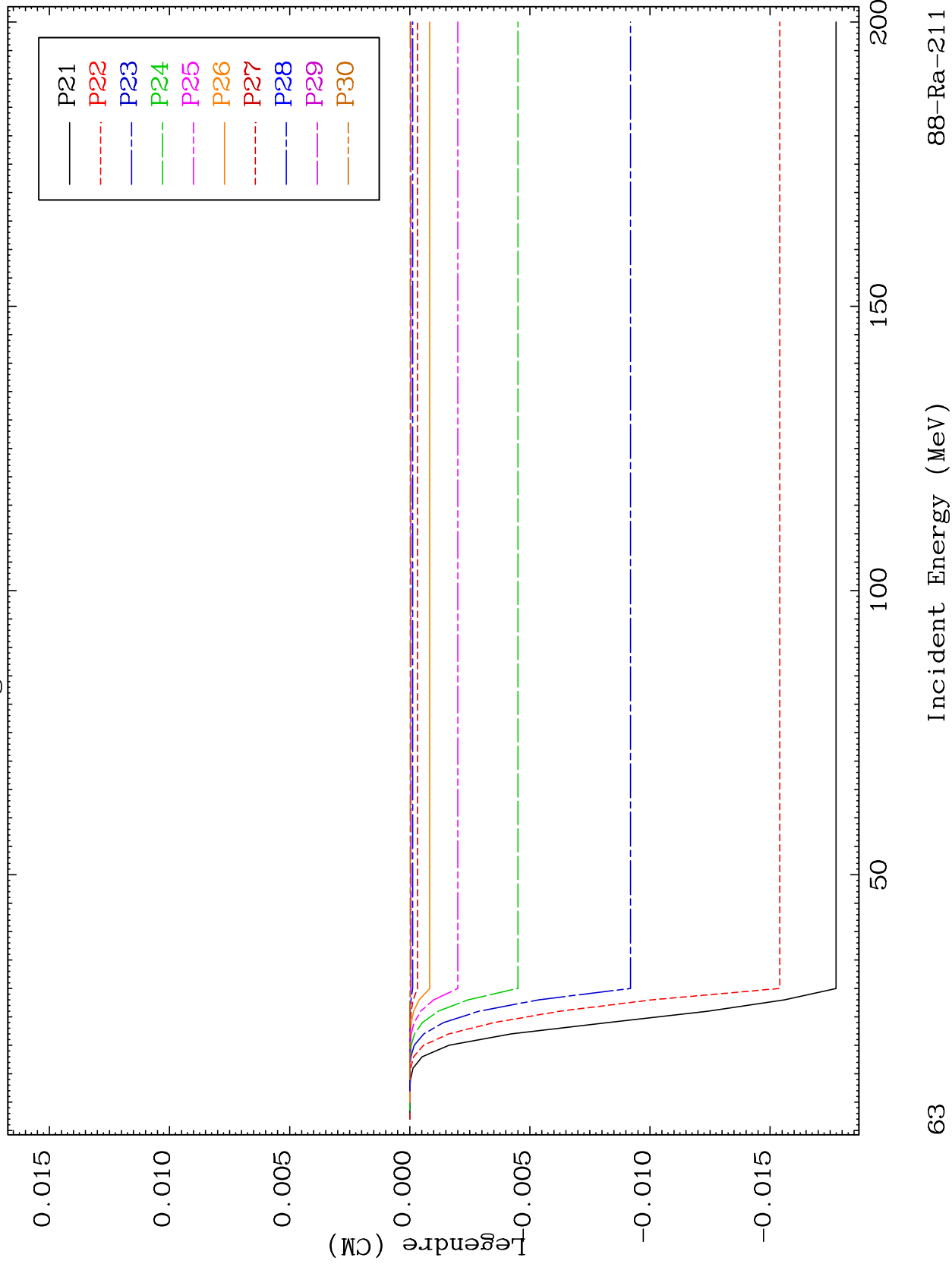
Incident Energy (MeV)

88-Ra-211

MAT 8789

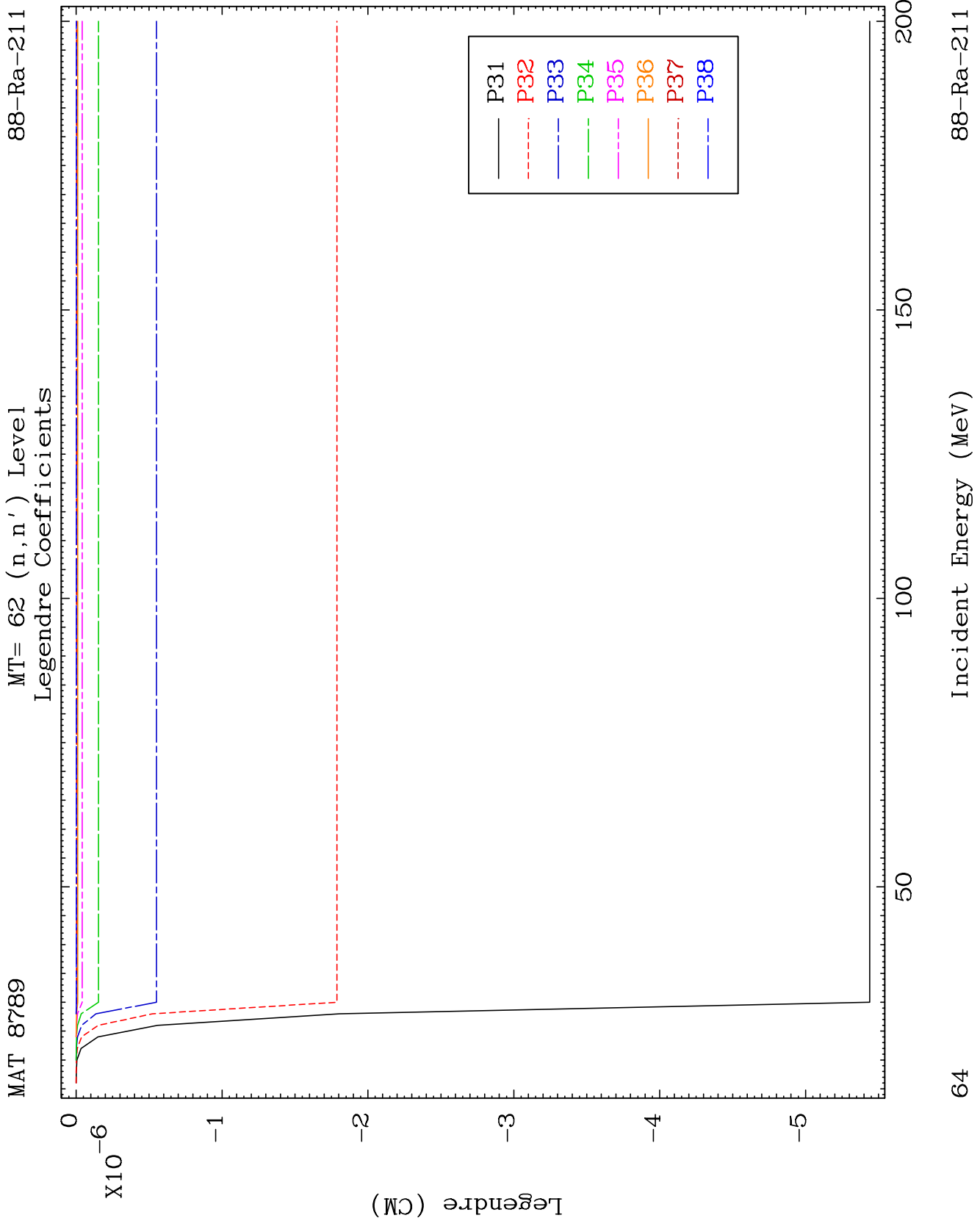
MT= 62 (n,n') Level
Legendre Coefficients

88-Ra-211



63

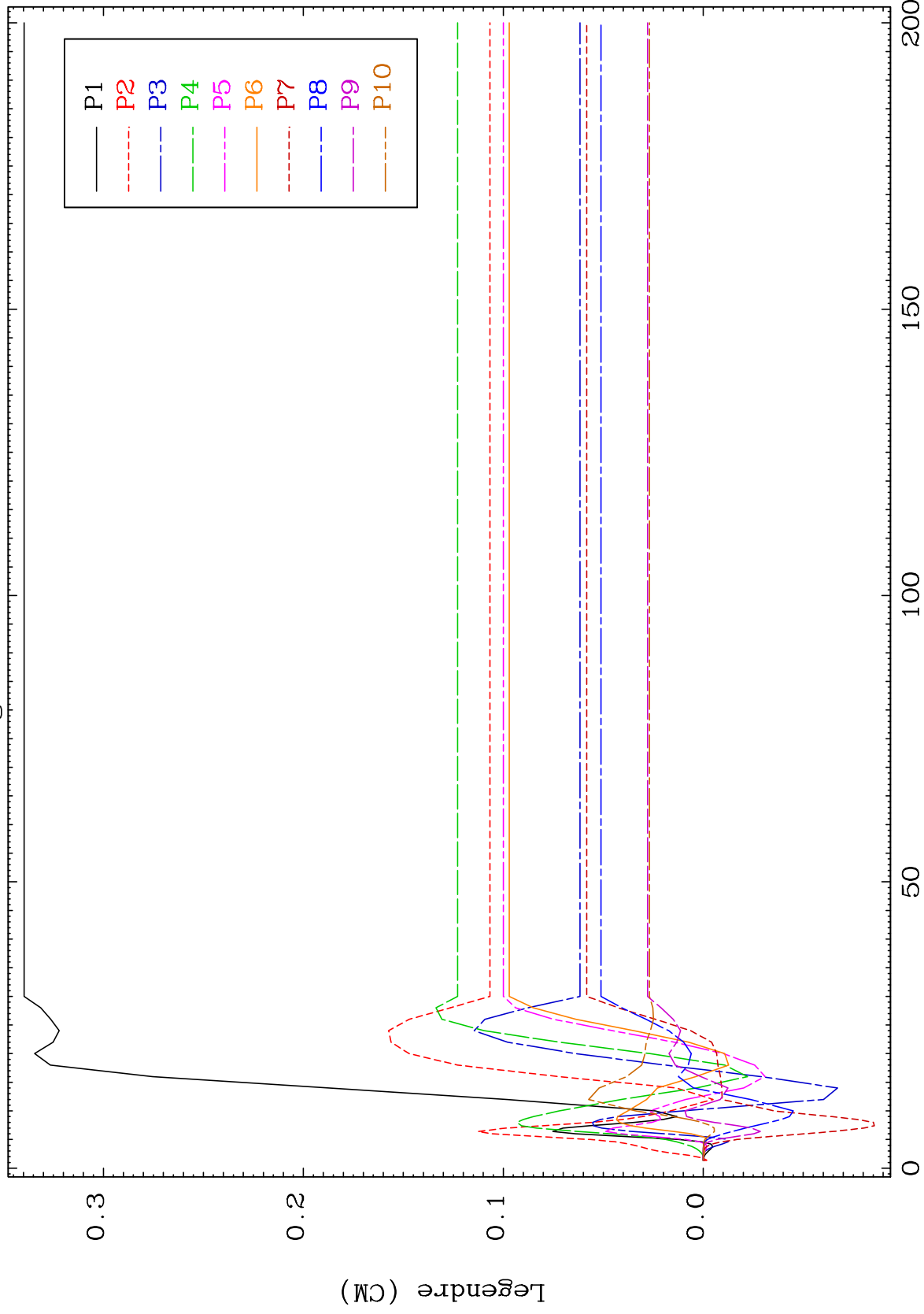
88-Ra-211



MAT 8789

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

88-Ra-211



65

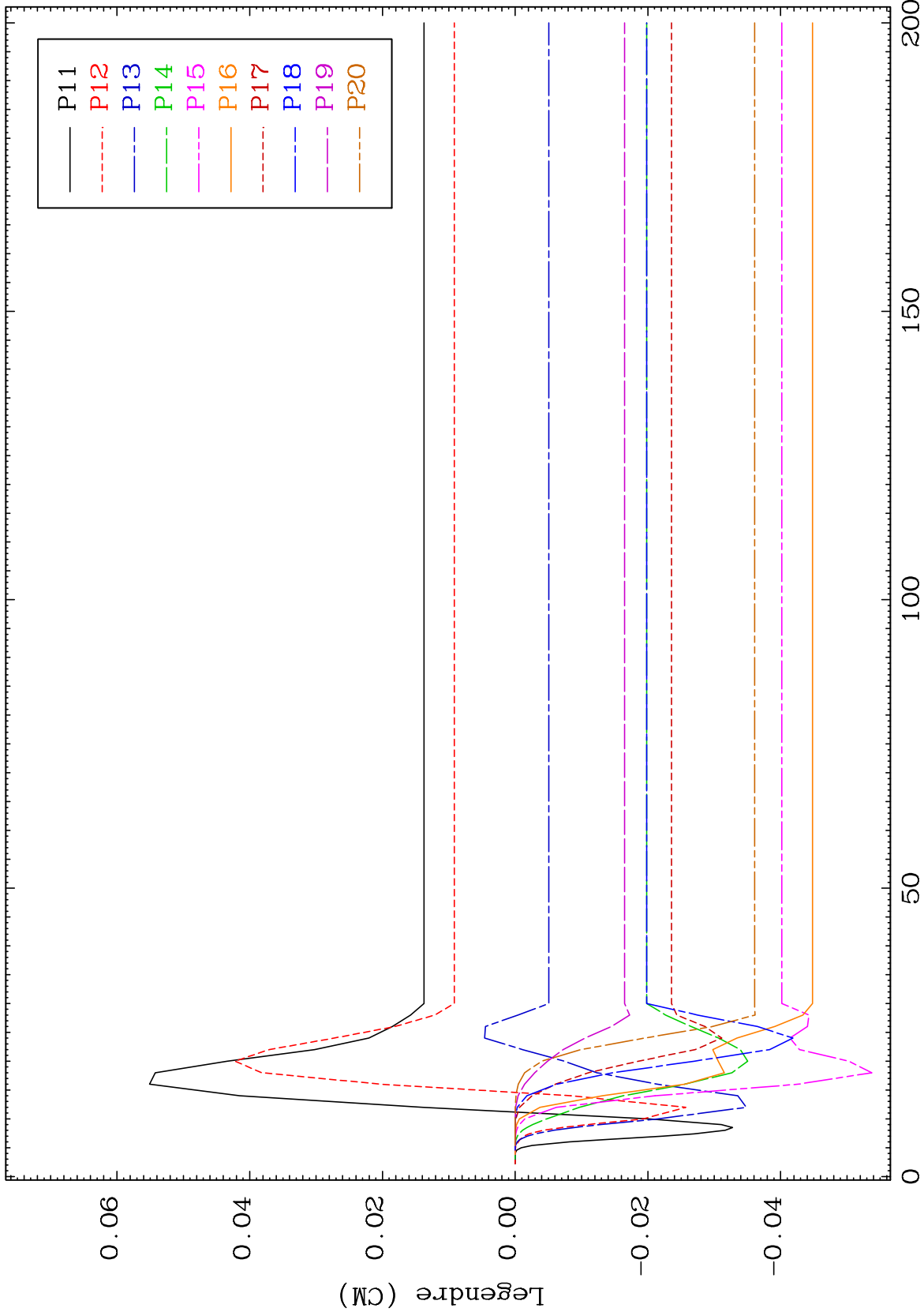
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



66

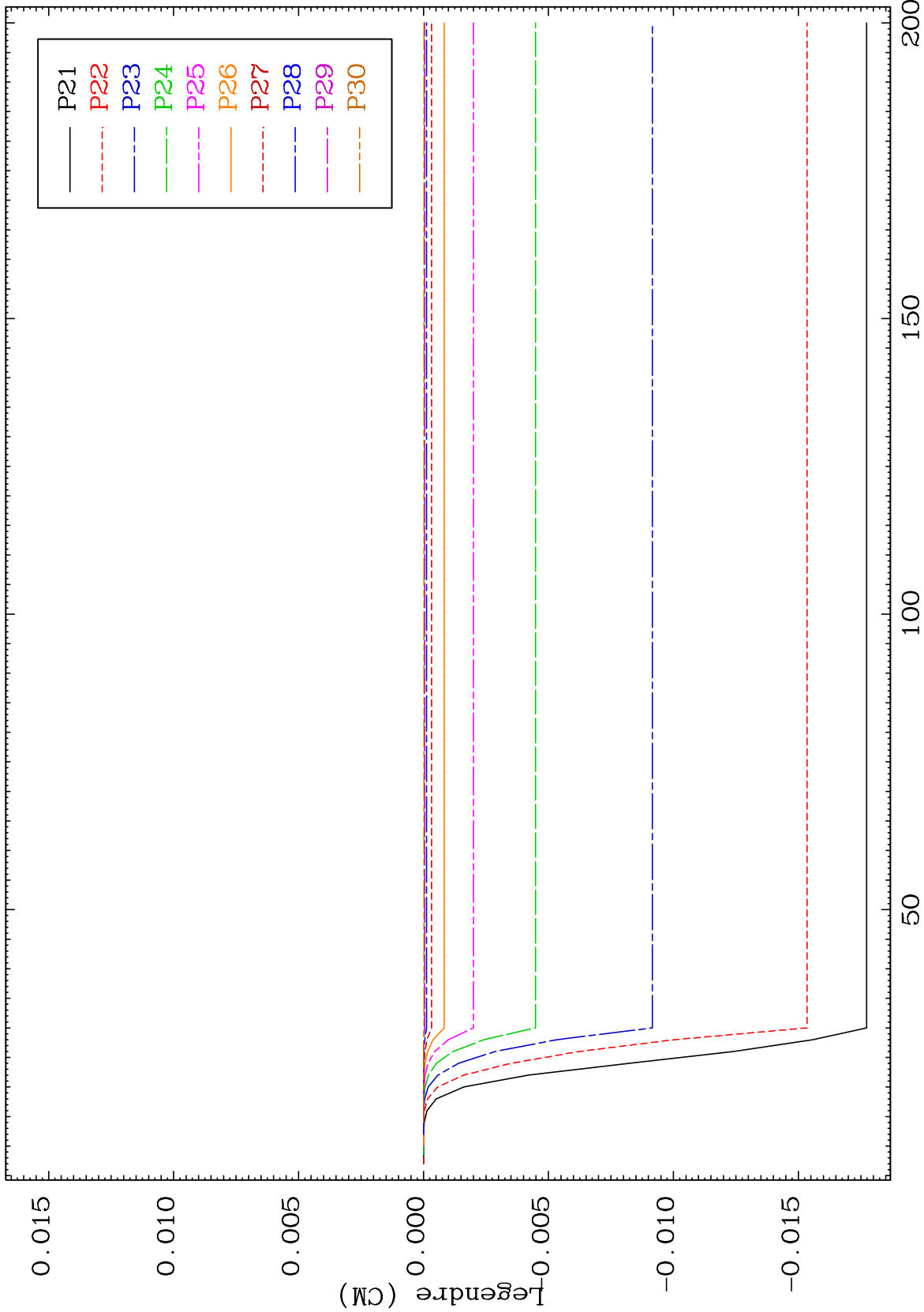
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

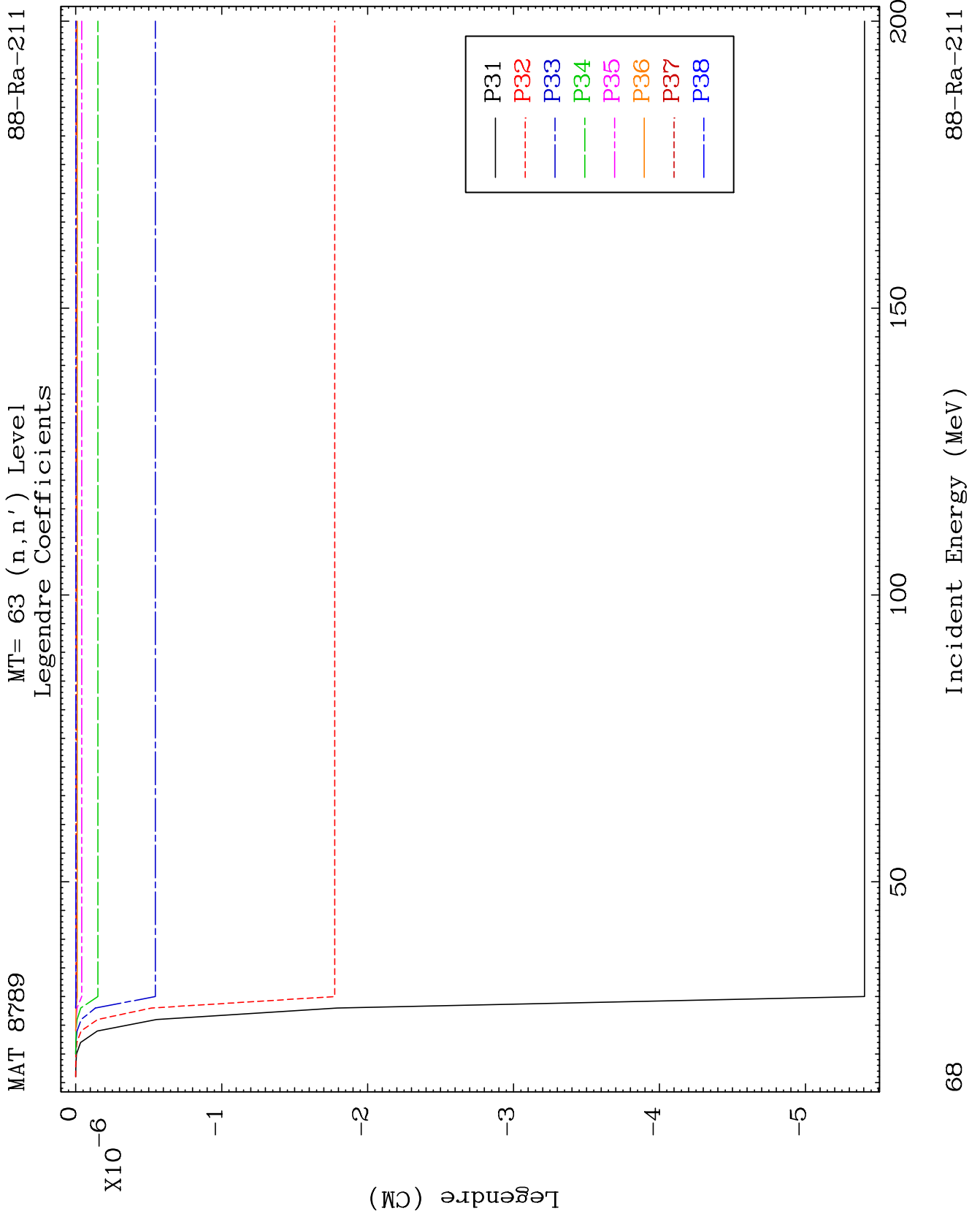
88-Ra-211



67

Incident Energy (MeV)

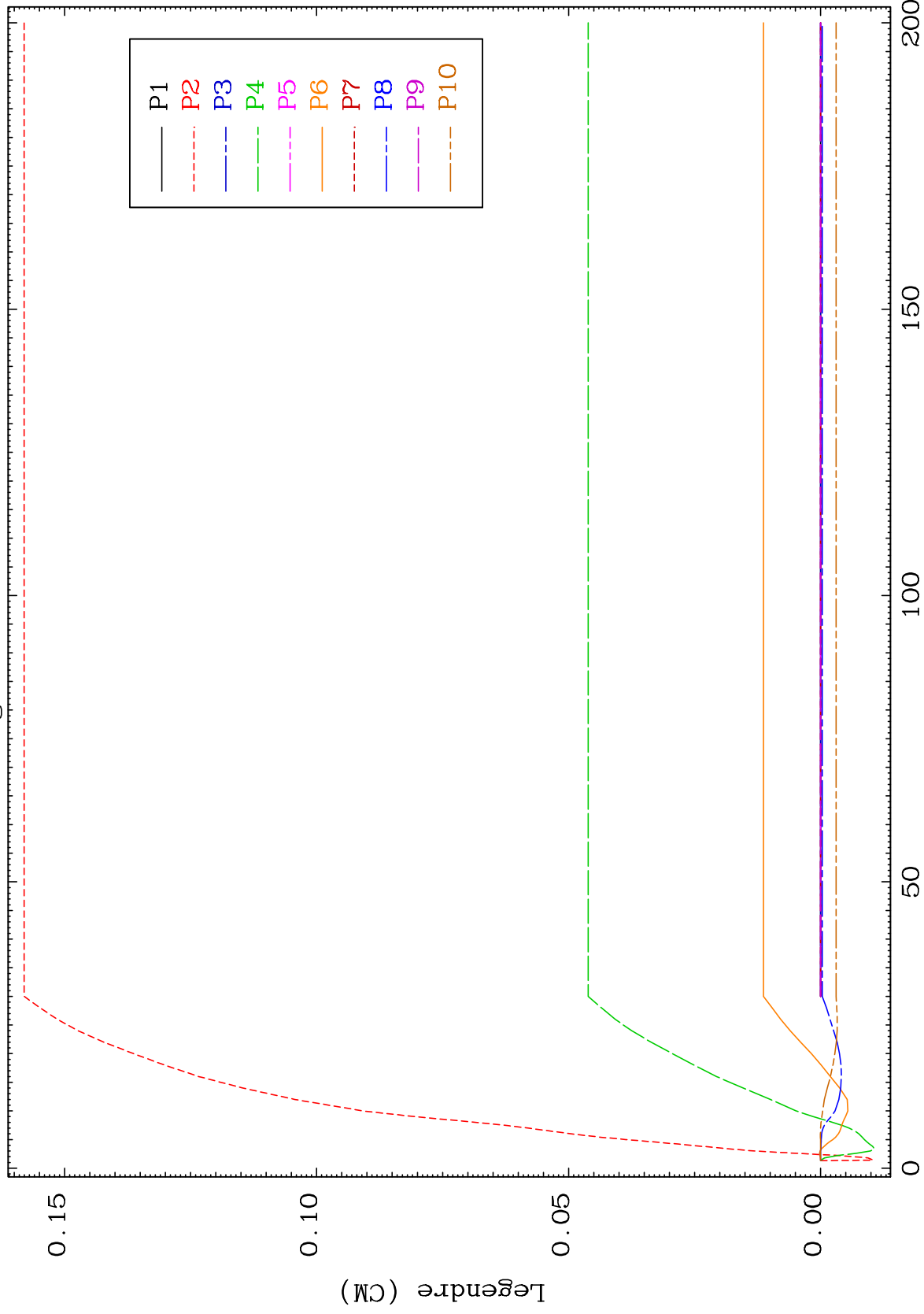
88-Ra-211



MAT 8789

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

88-Ra-211



69

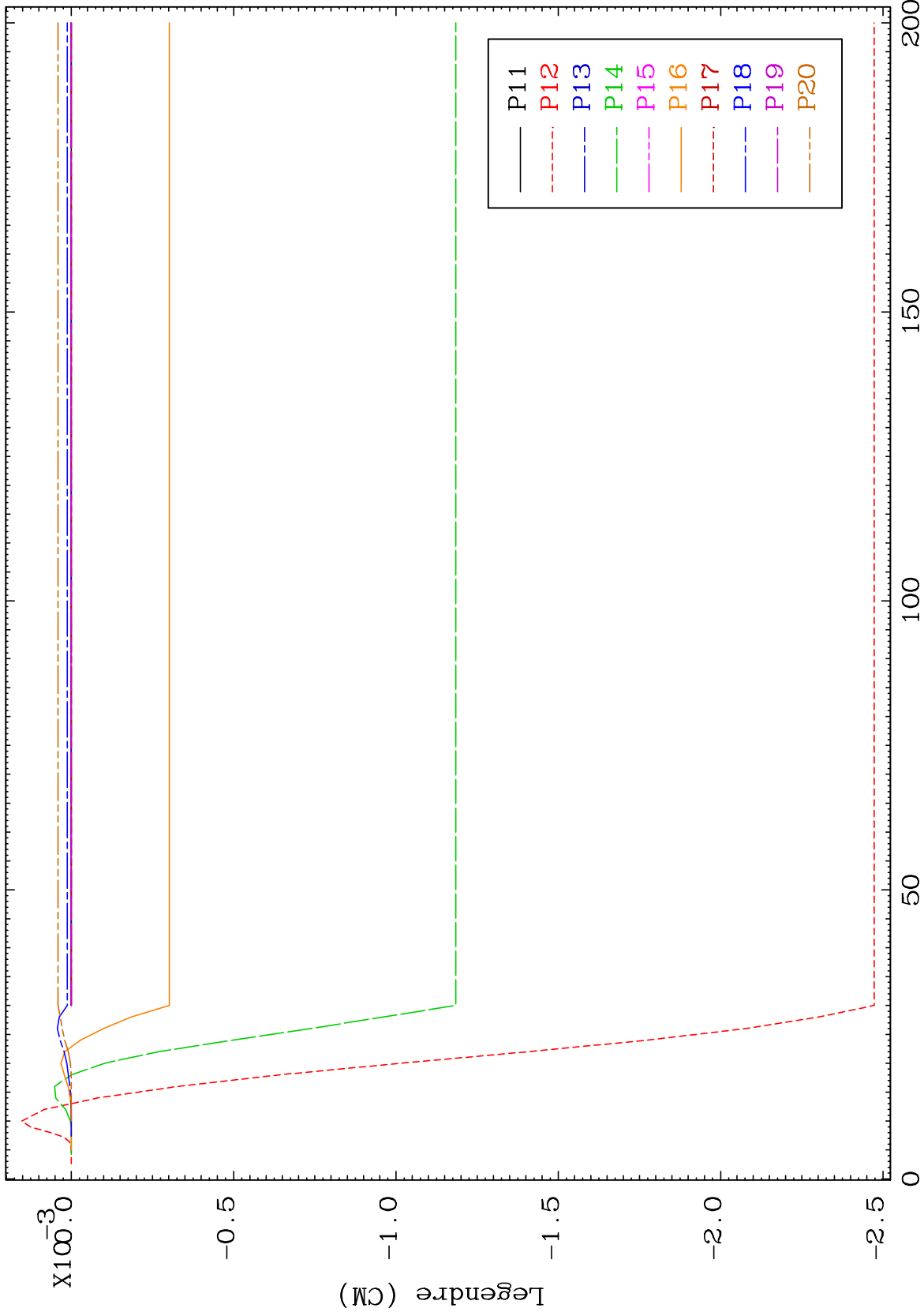
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



70

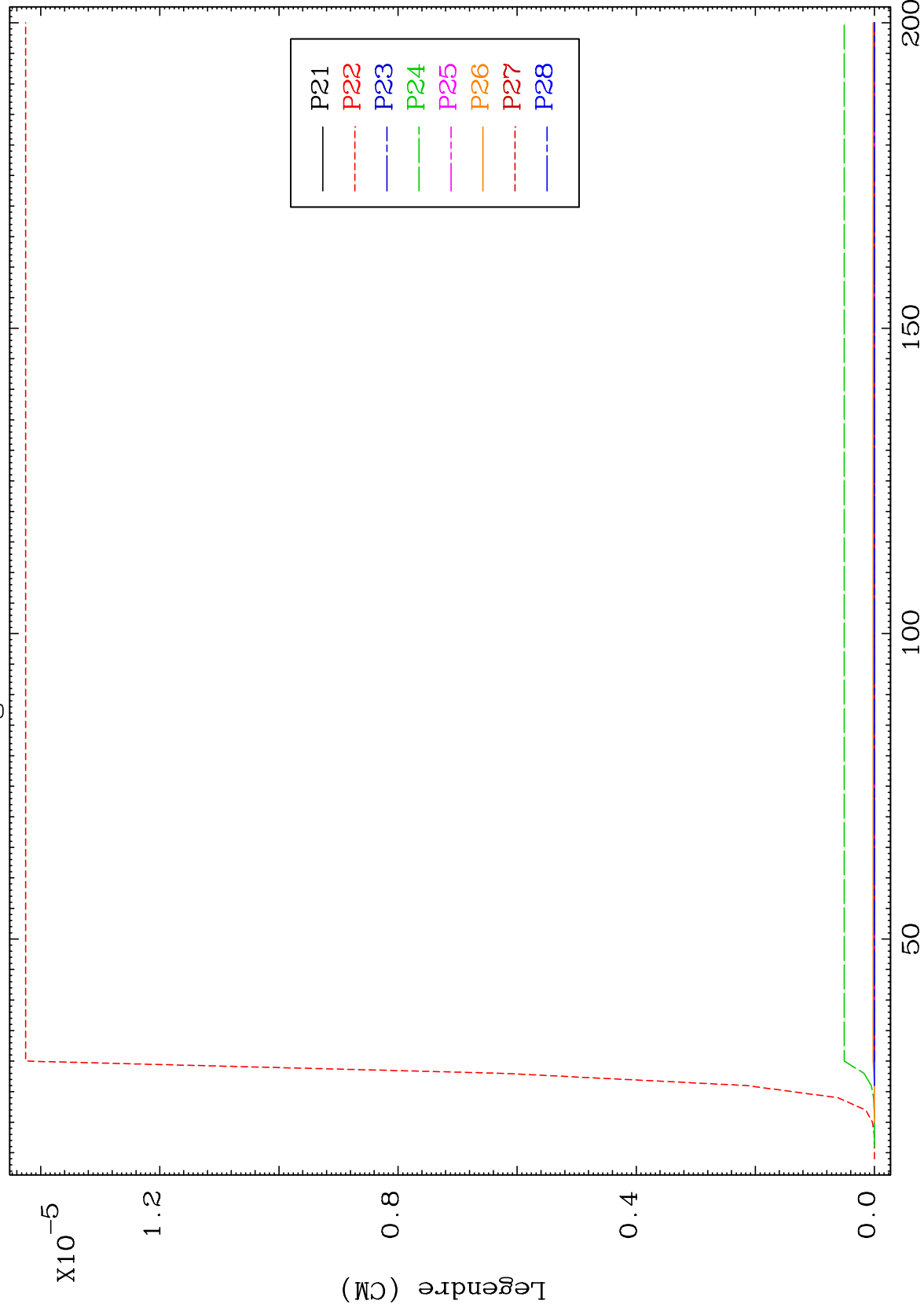
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



71

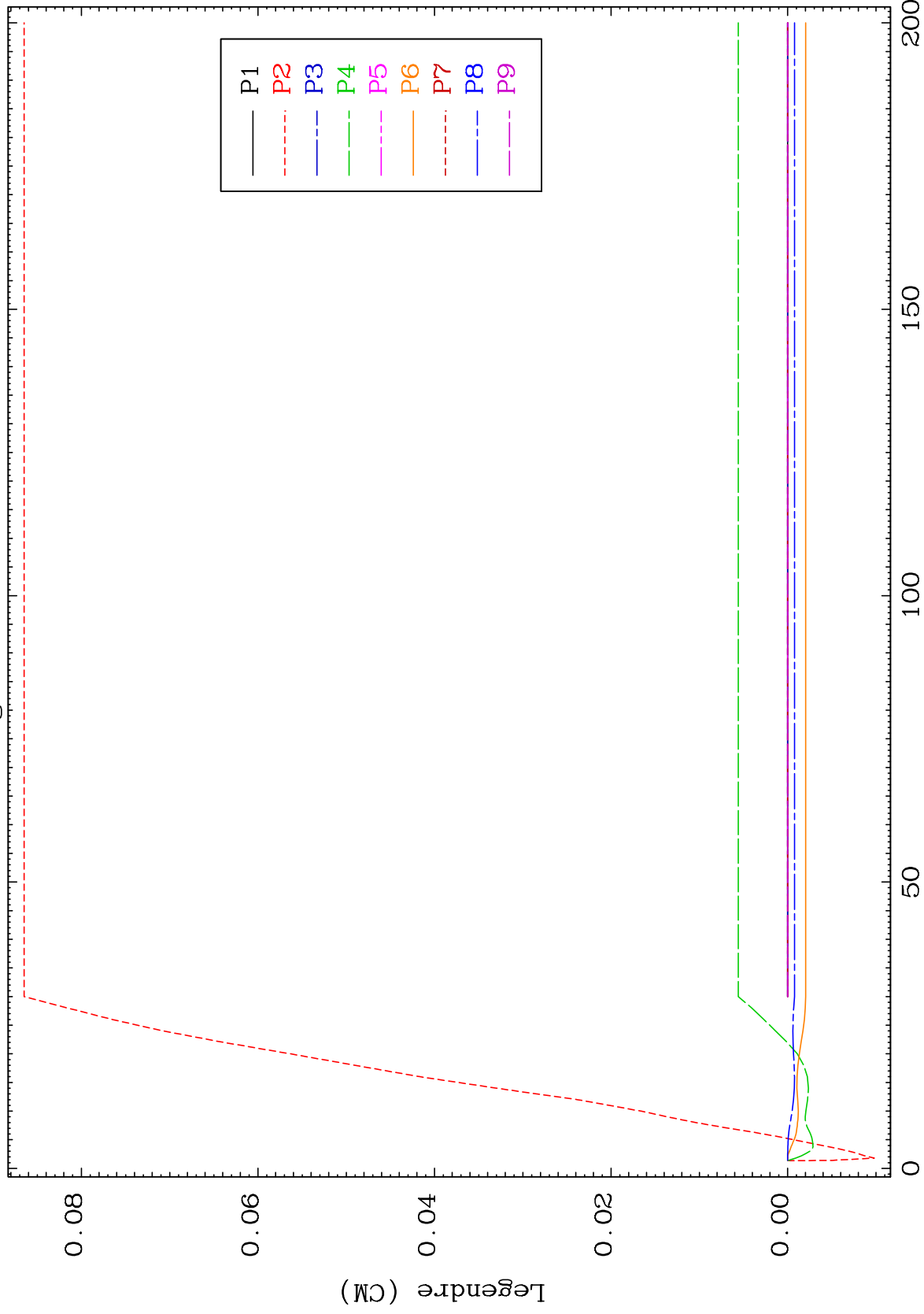
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



72

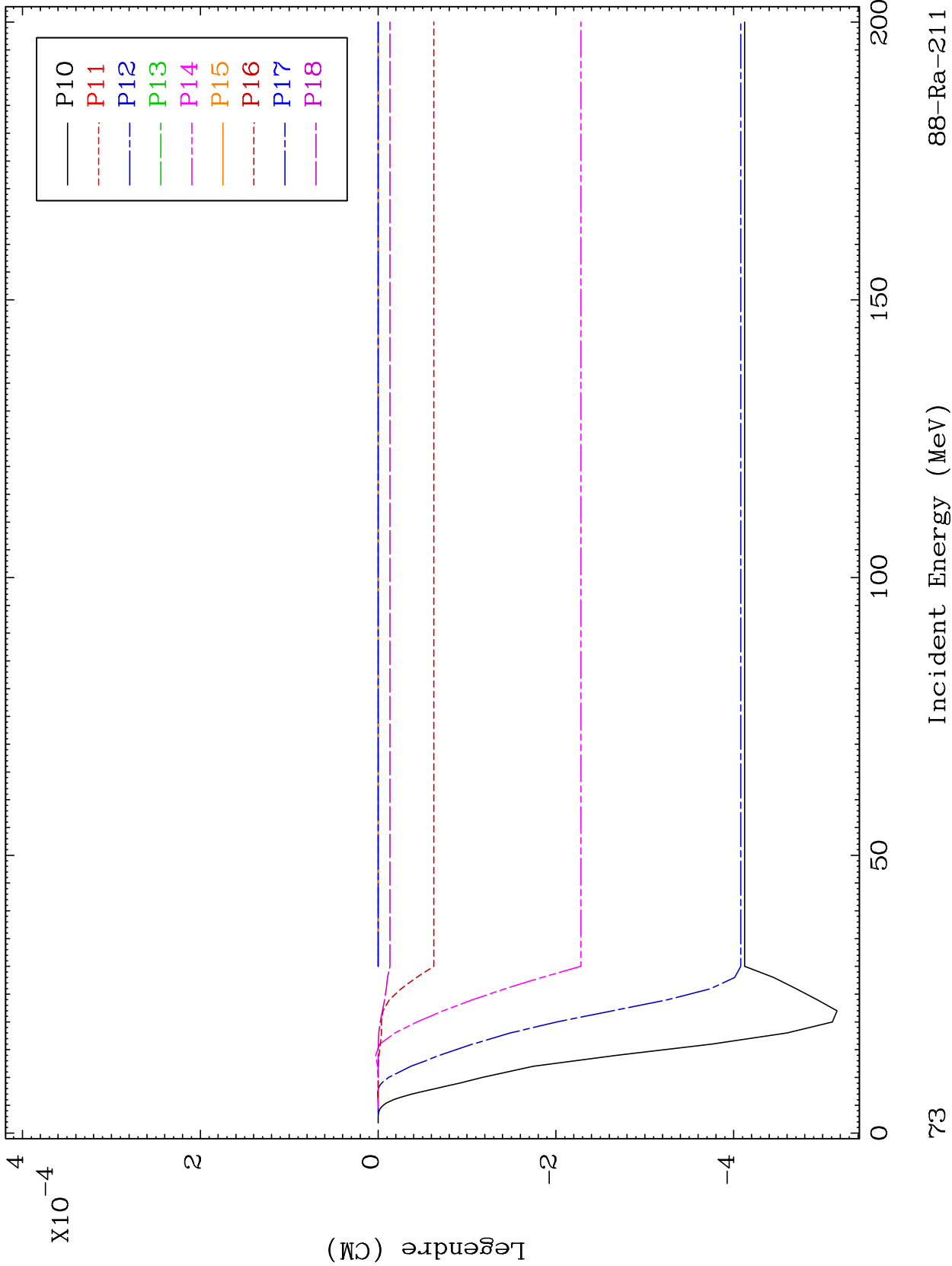
Incident Energy (MeV)

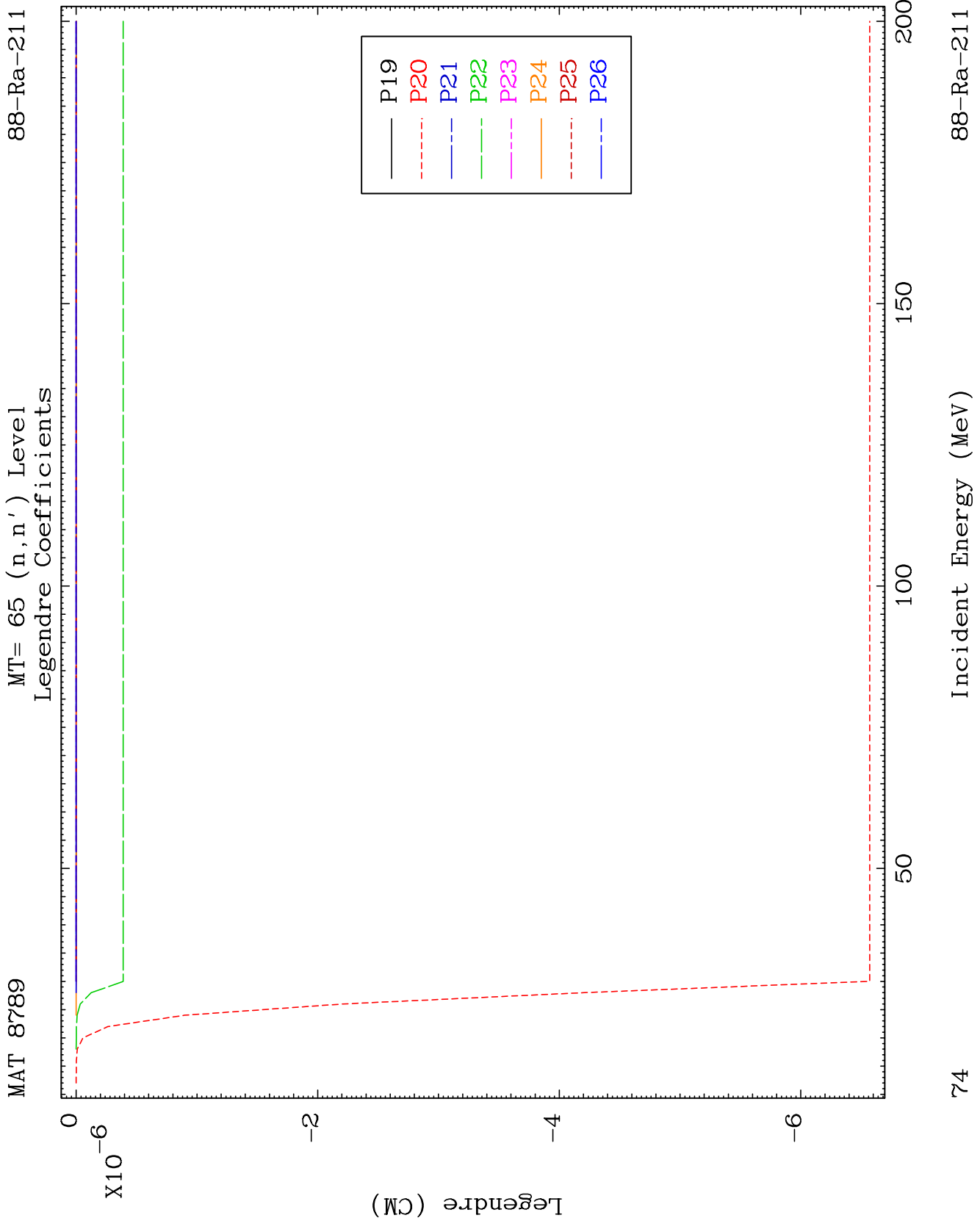
88-Ra-211

MAT 8789

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

88-Ra-211

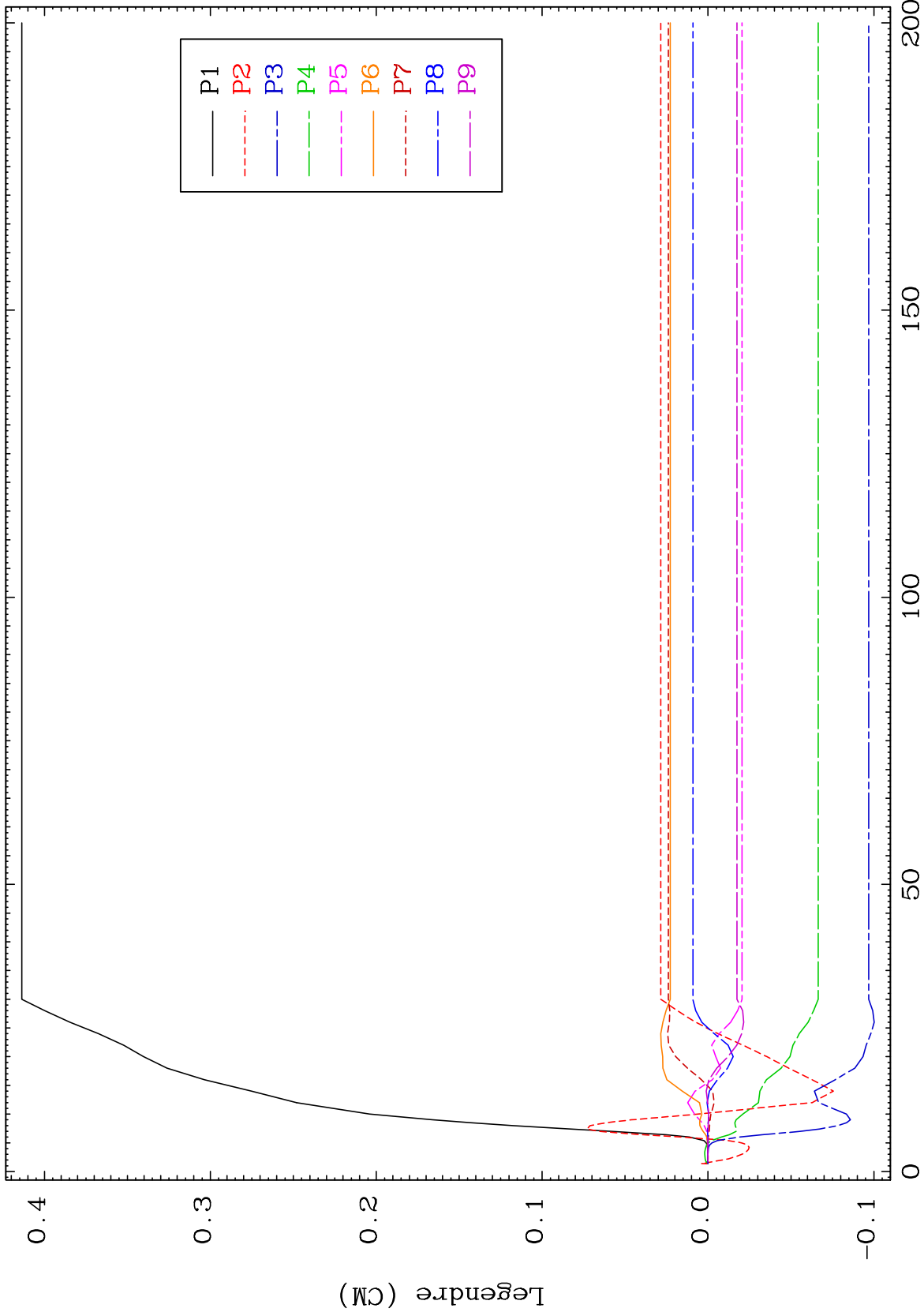




MAT 8789

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

88-Ra-211



88-Ra-211

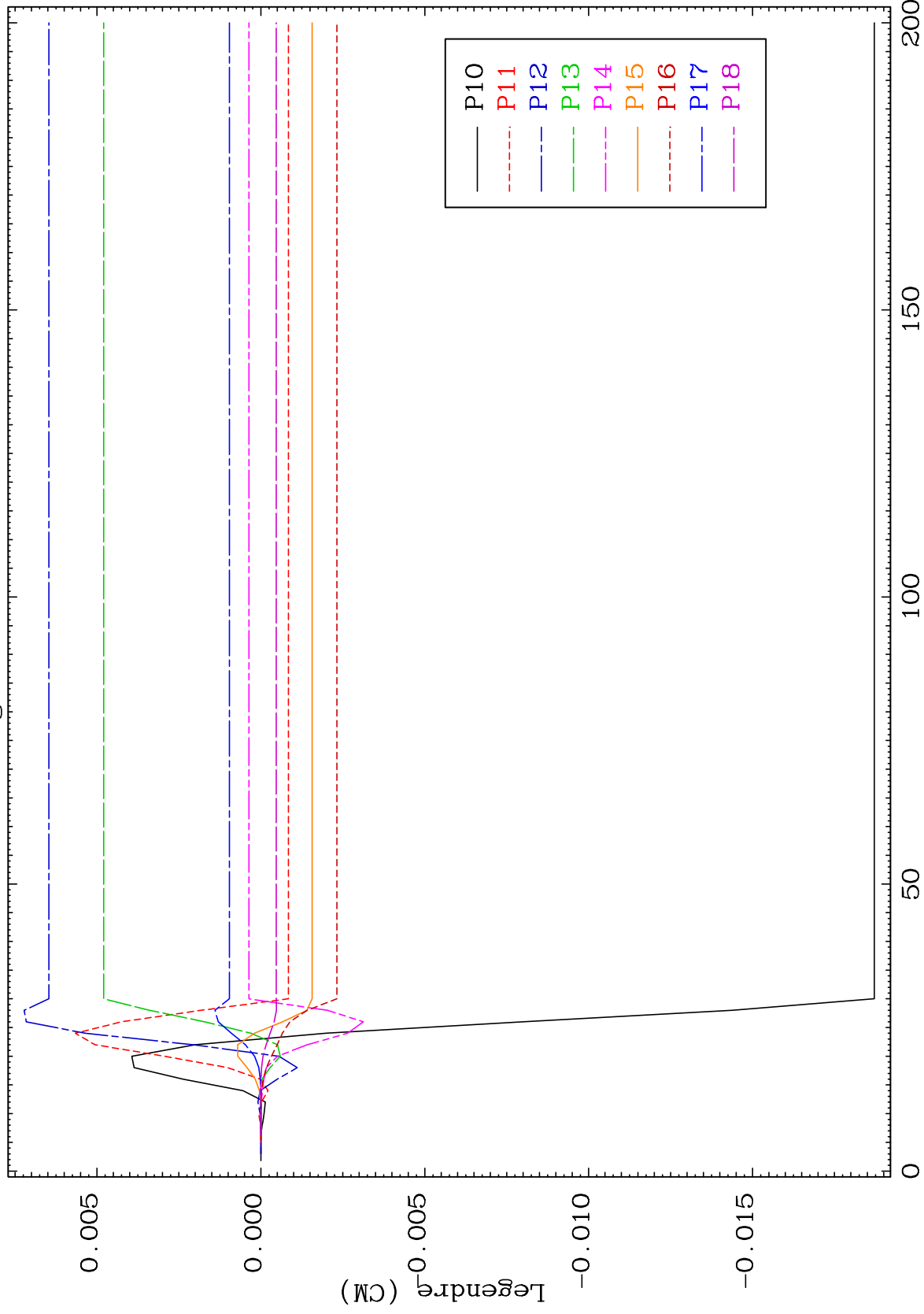
Incident Energy (MeV)

75

MAT 8789

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

88-Ra-211



76

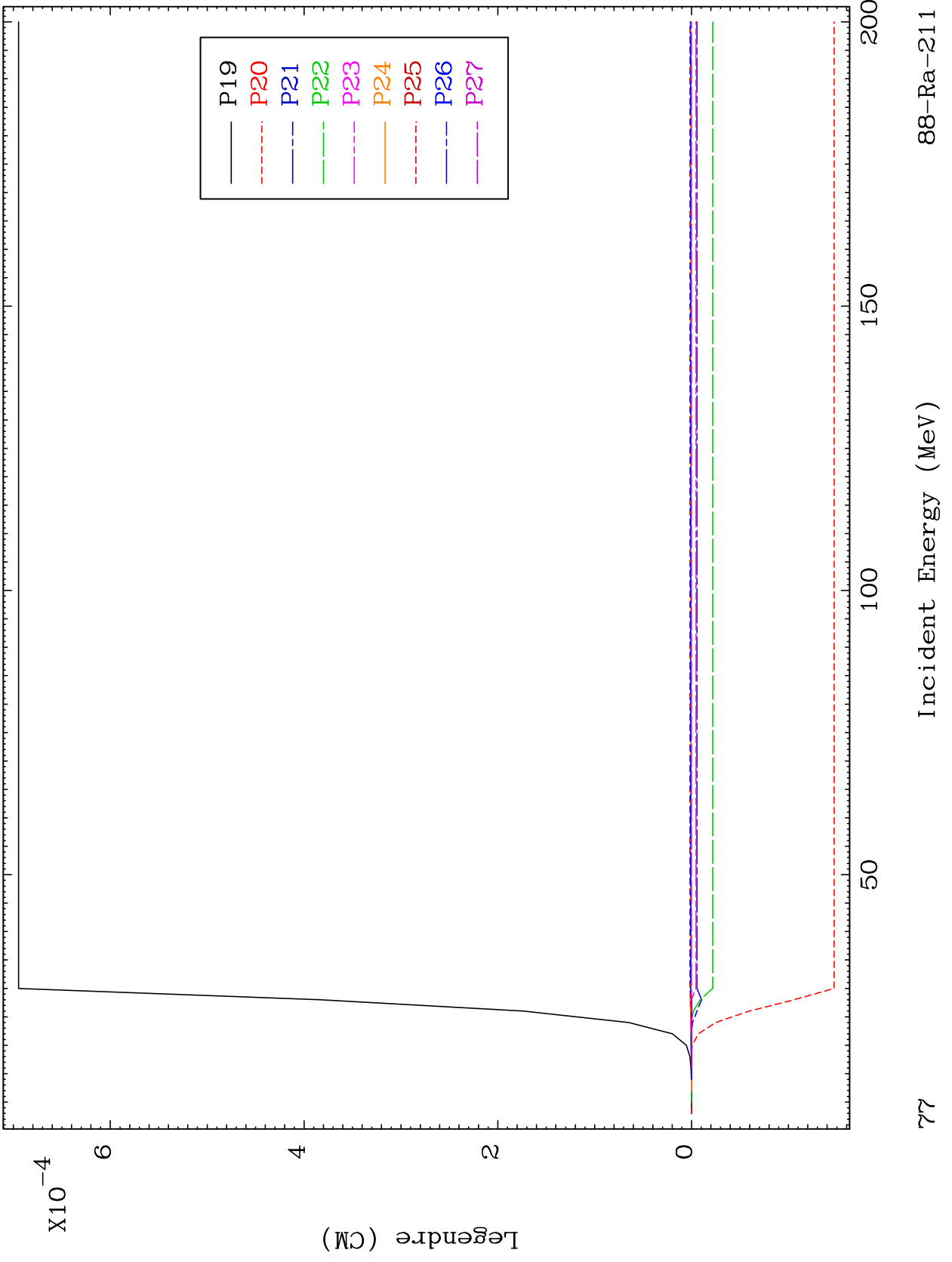
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

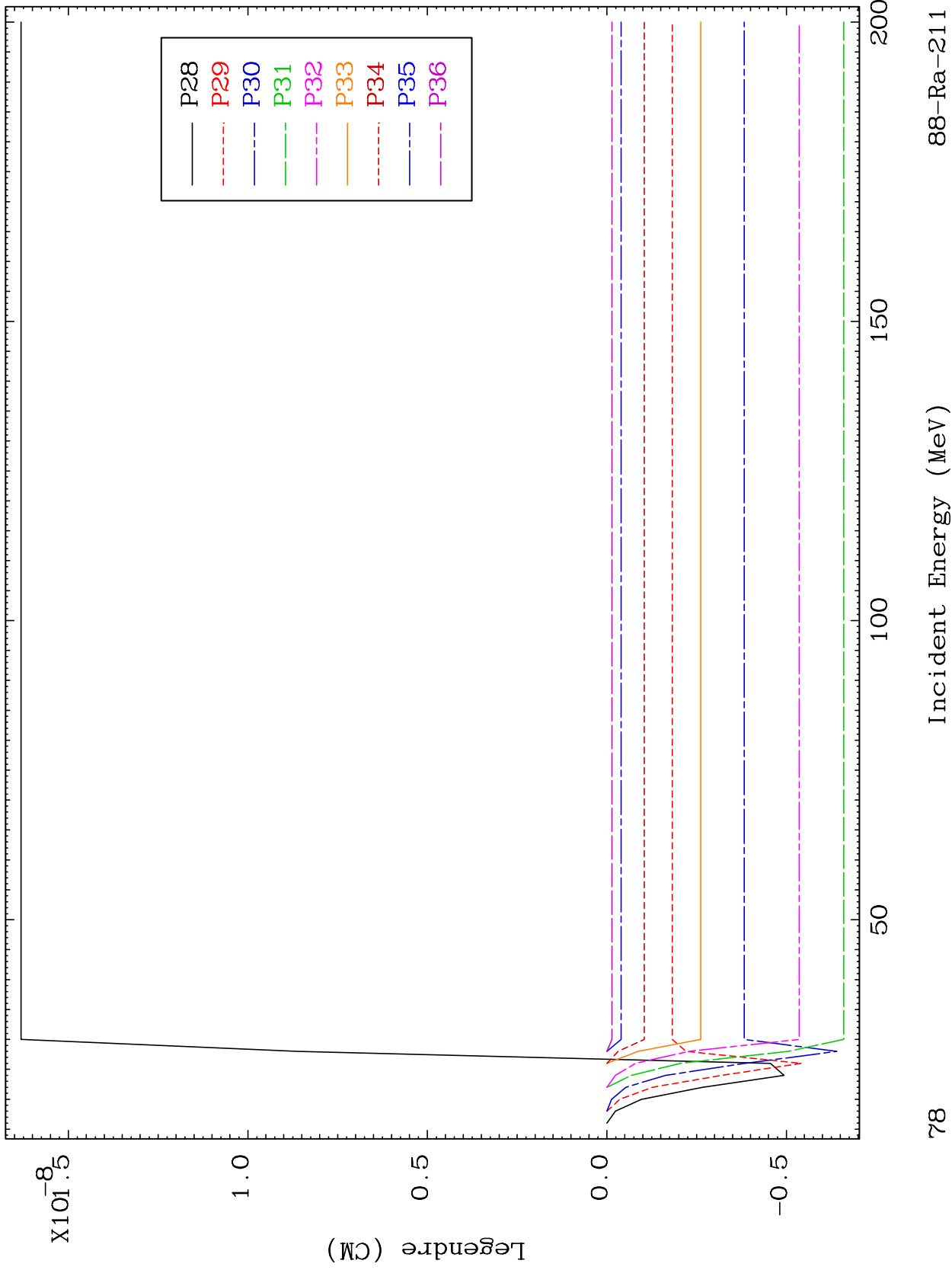
88-Ra-211



MAT 8789

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

88-Ra-211



78

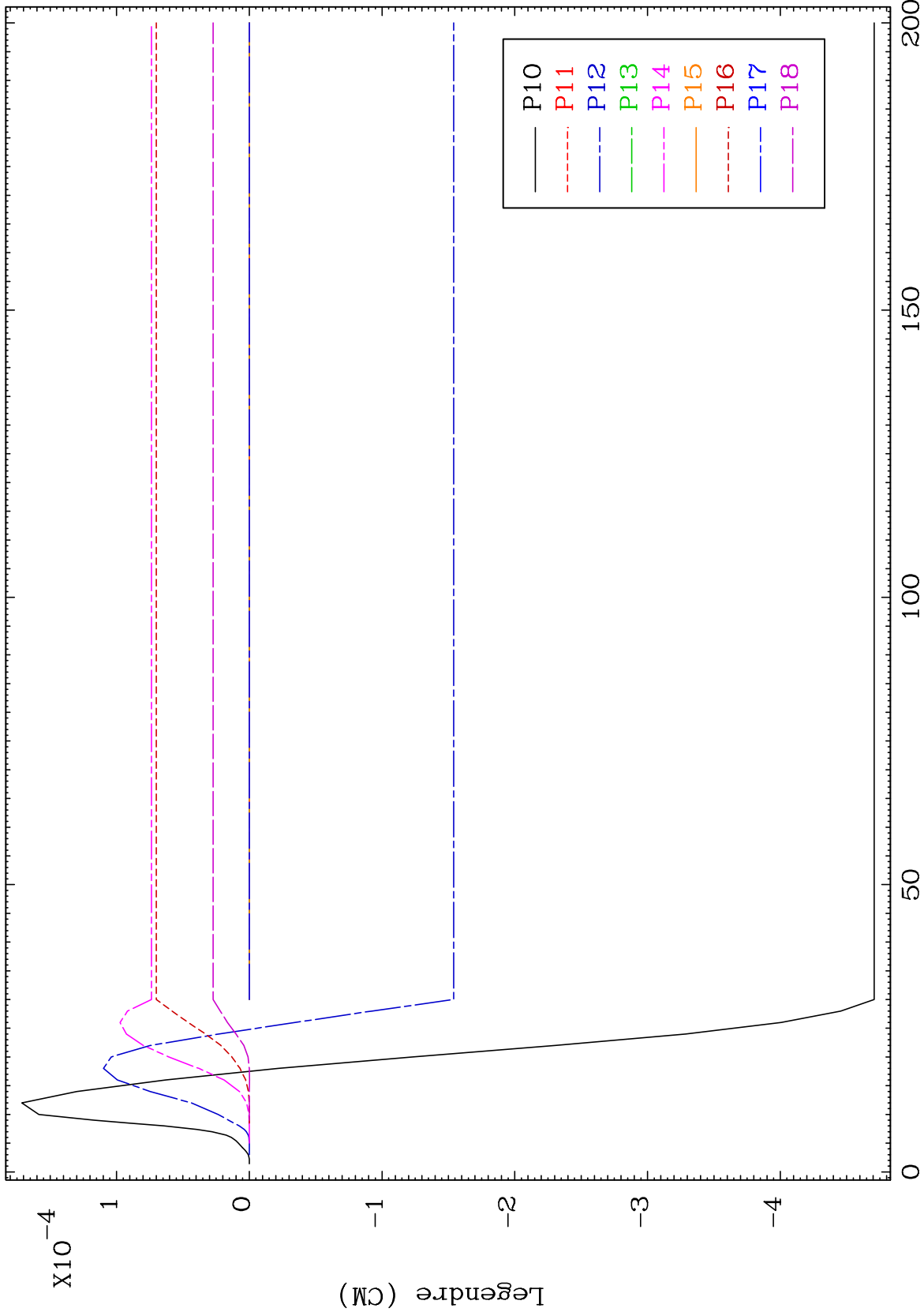
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

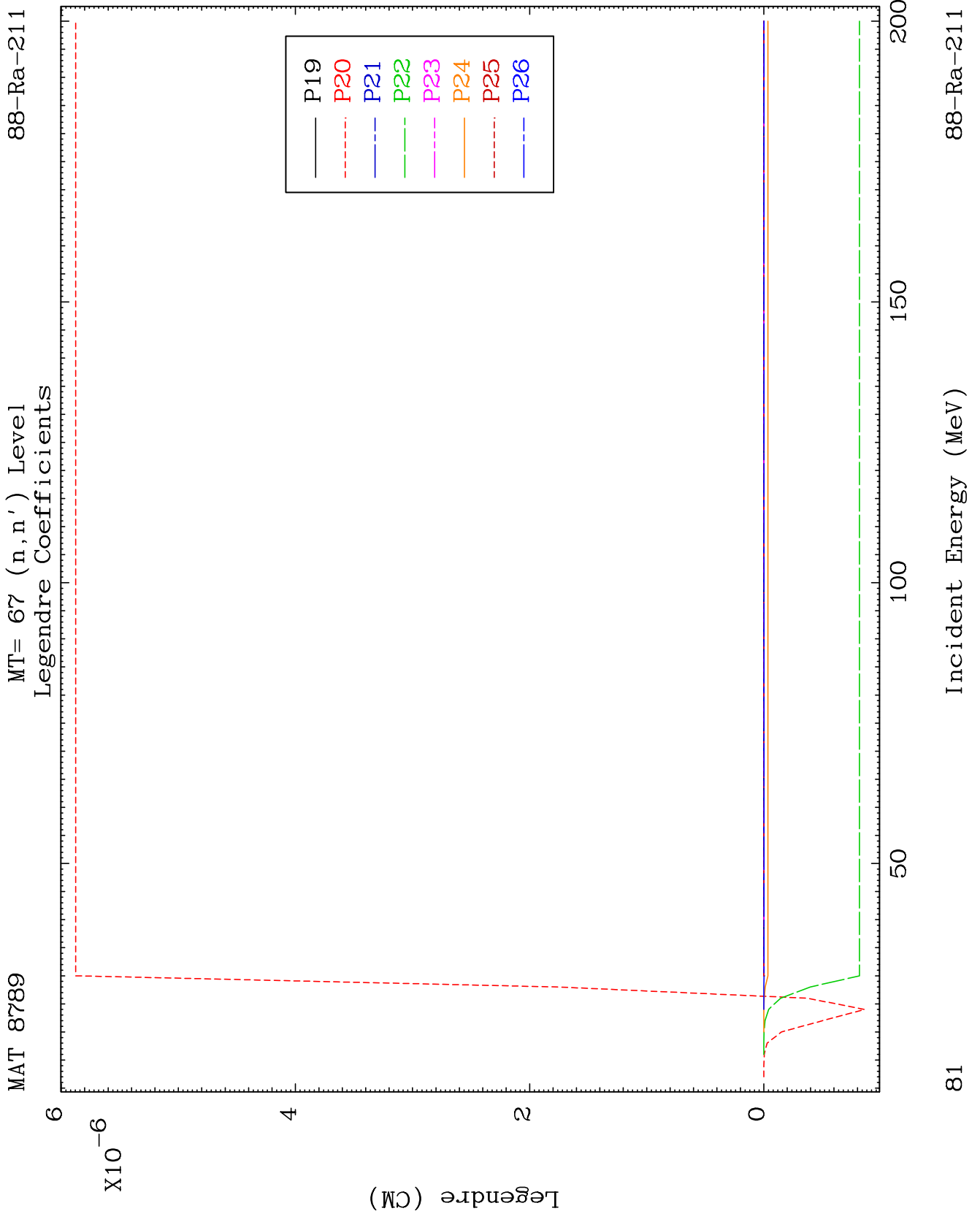
88-Ra-211



80

Incident Energy (MeV)

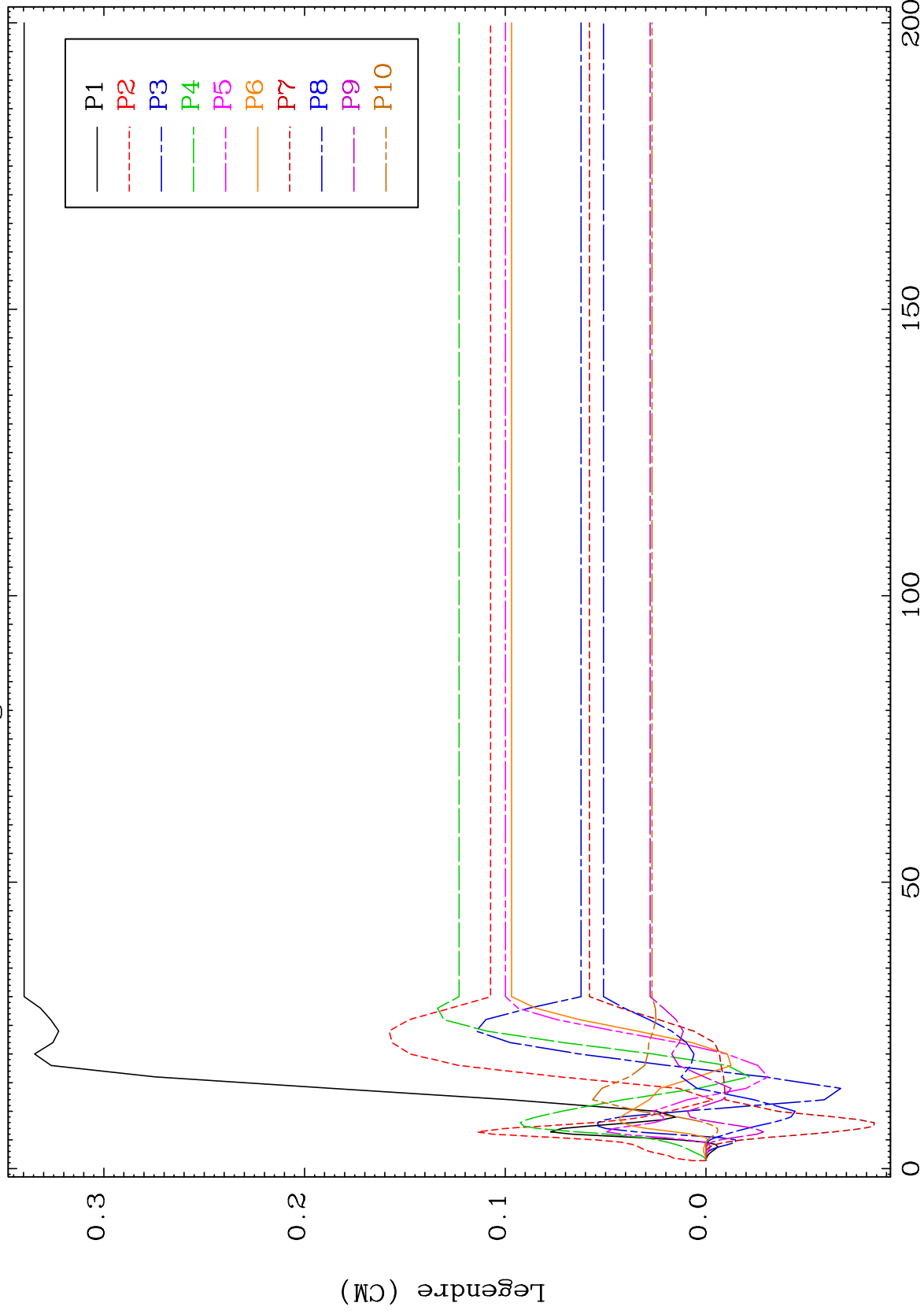
88-Ra-211



MAT 8789

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

88-Ra-211



882

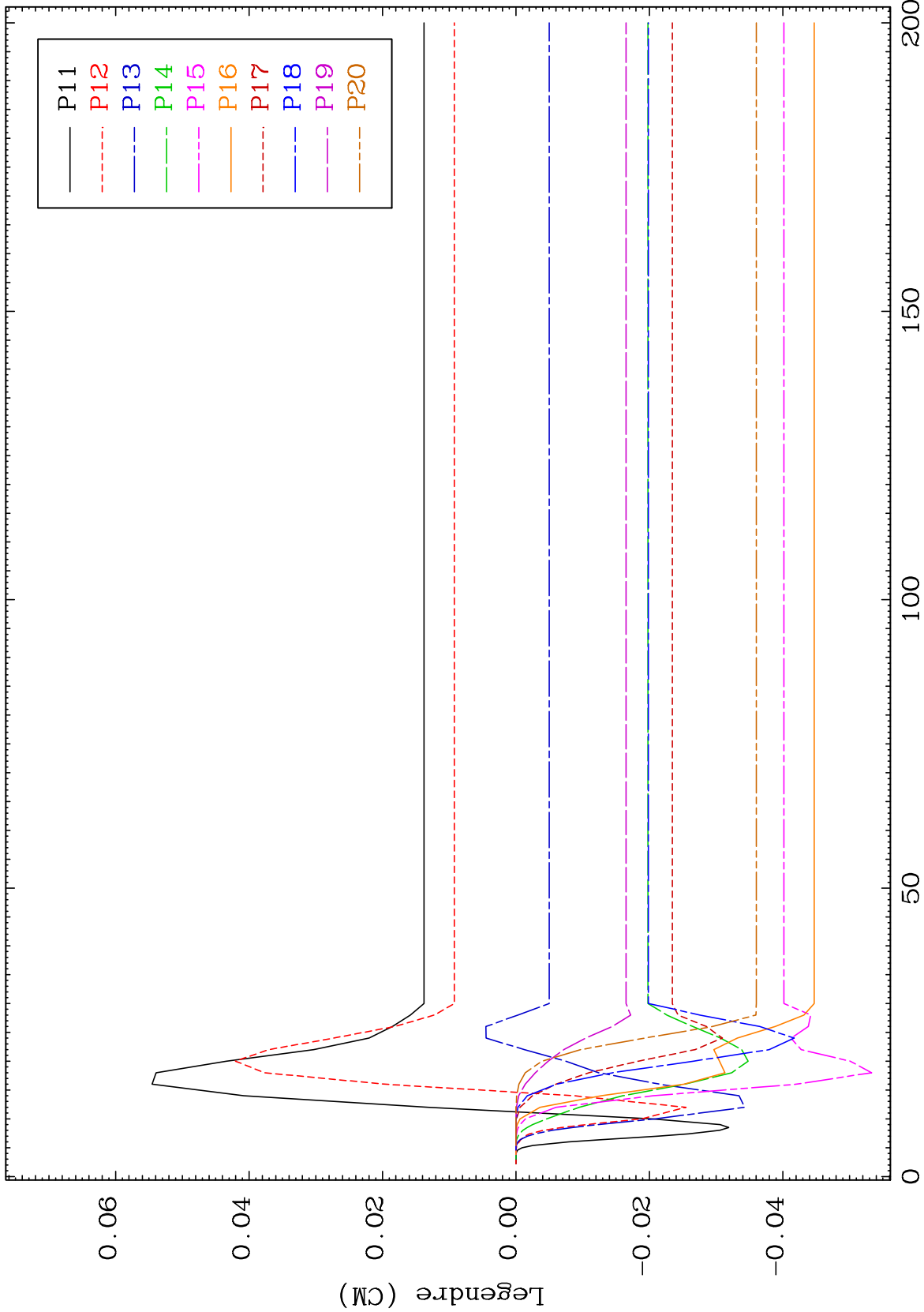
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



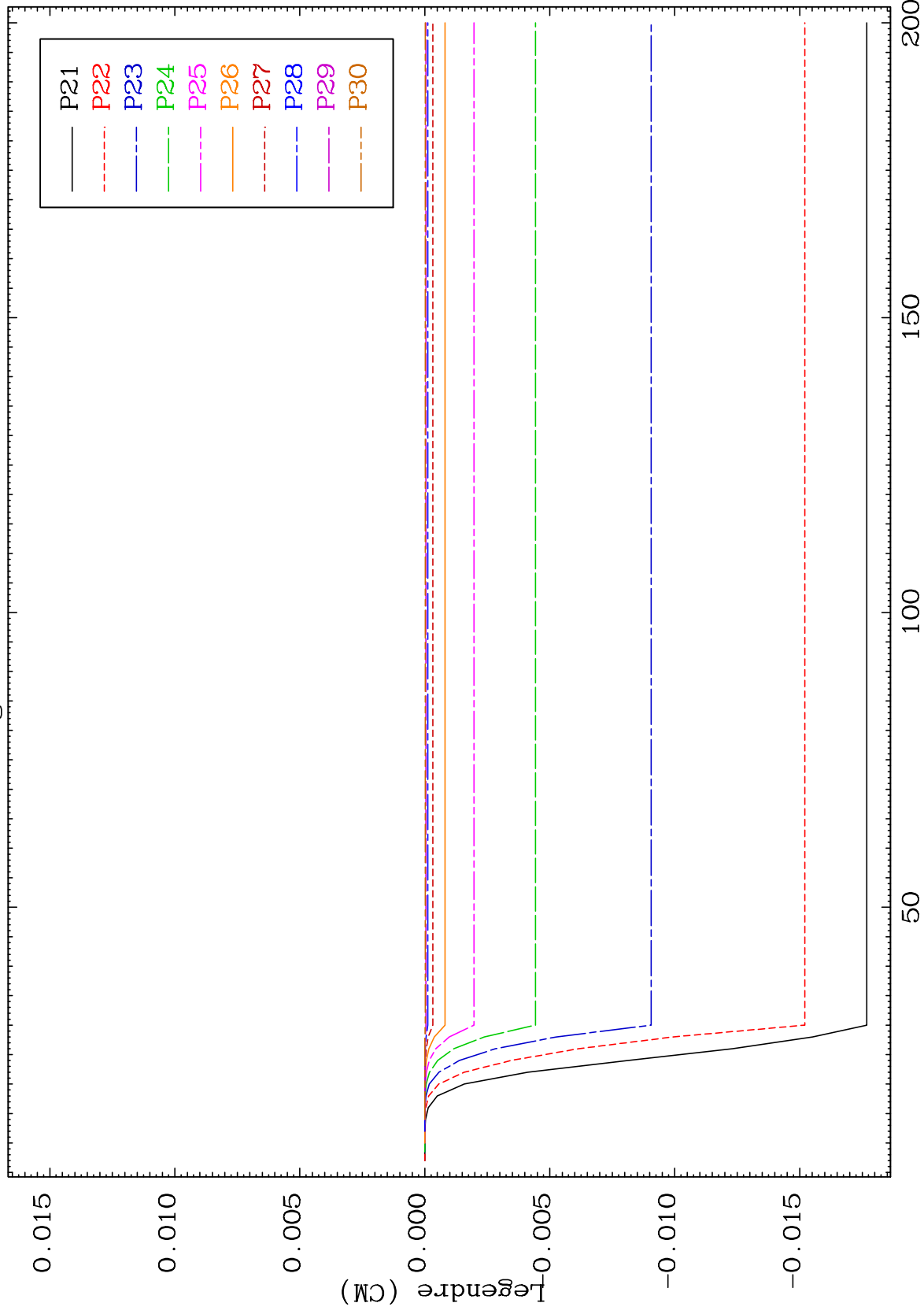
883

88-Ra-211

MAT 8789

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

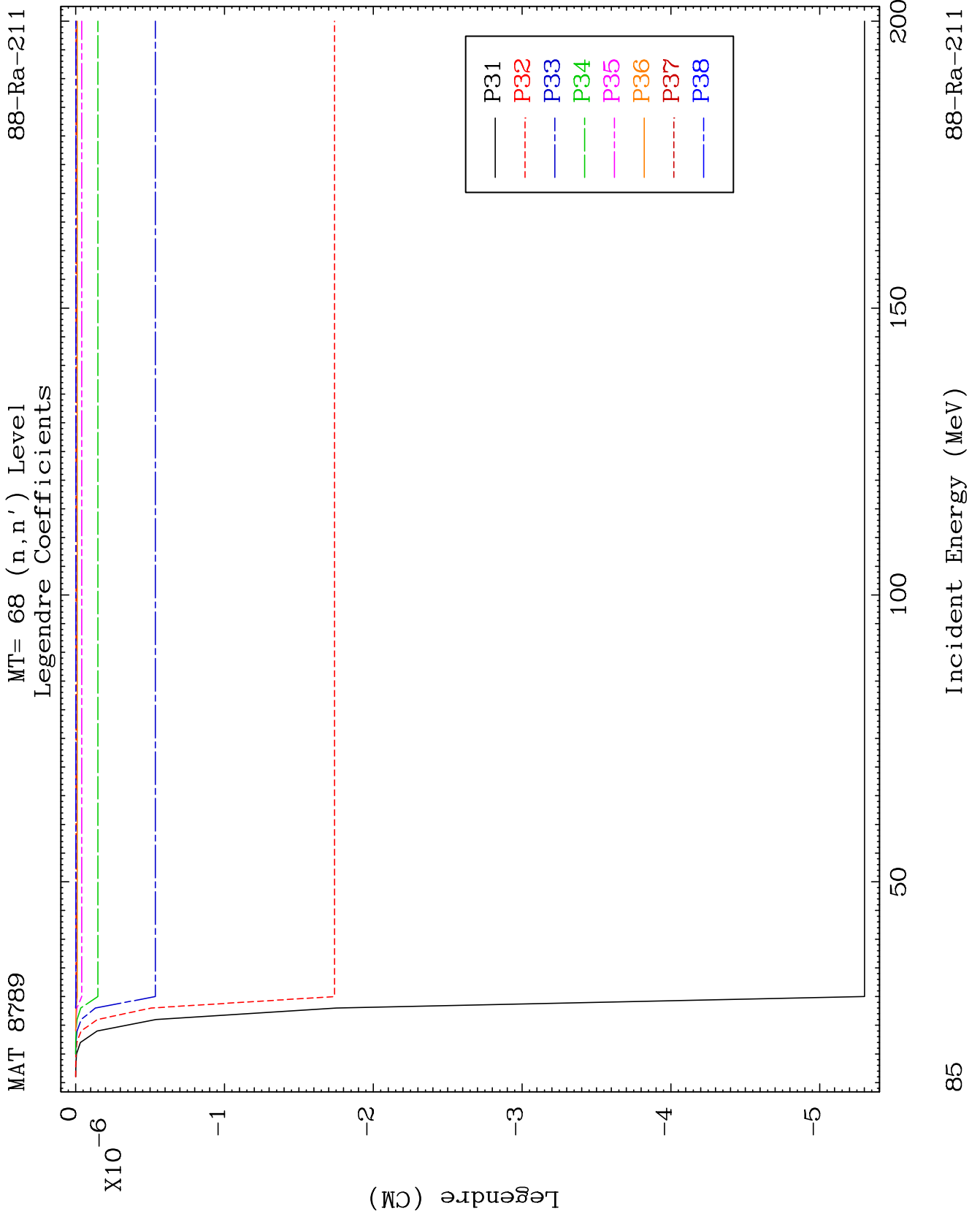
88-Ra-211

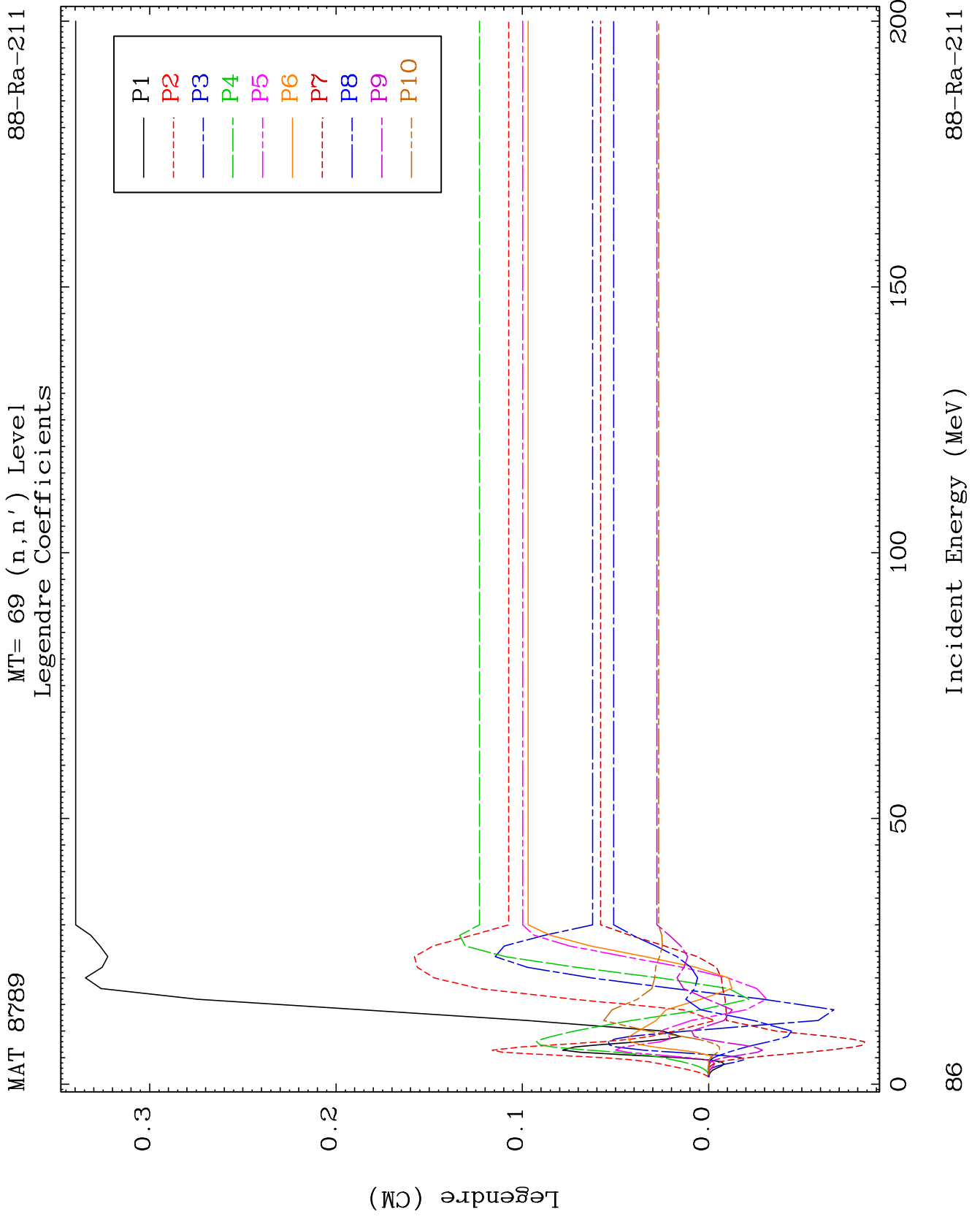


84

Incident Energy (MeV)

88-Ra-211

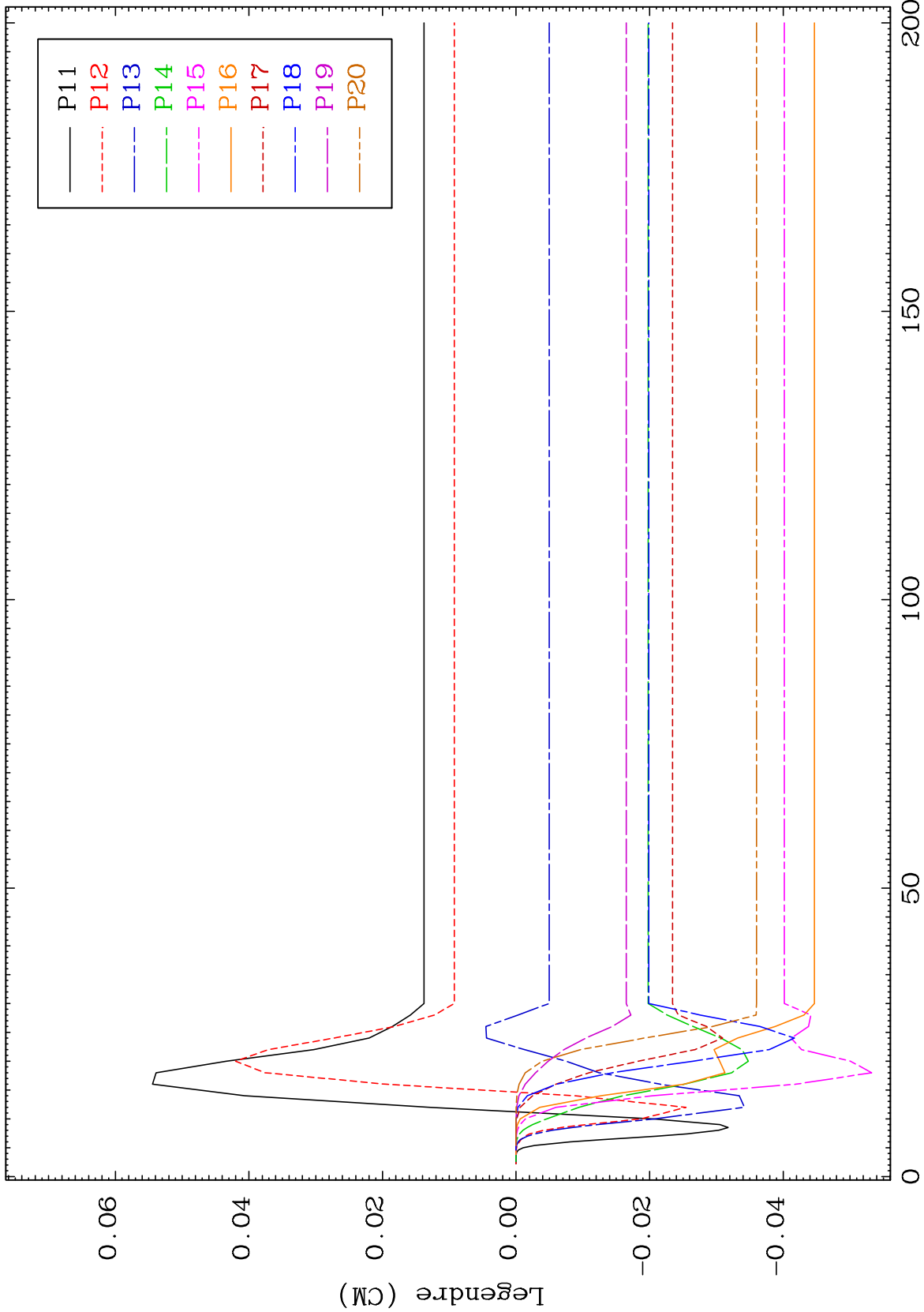




MAT 8789

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

88-Ra-211



87

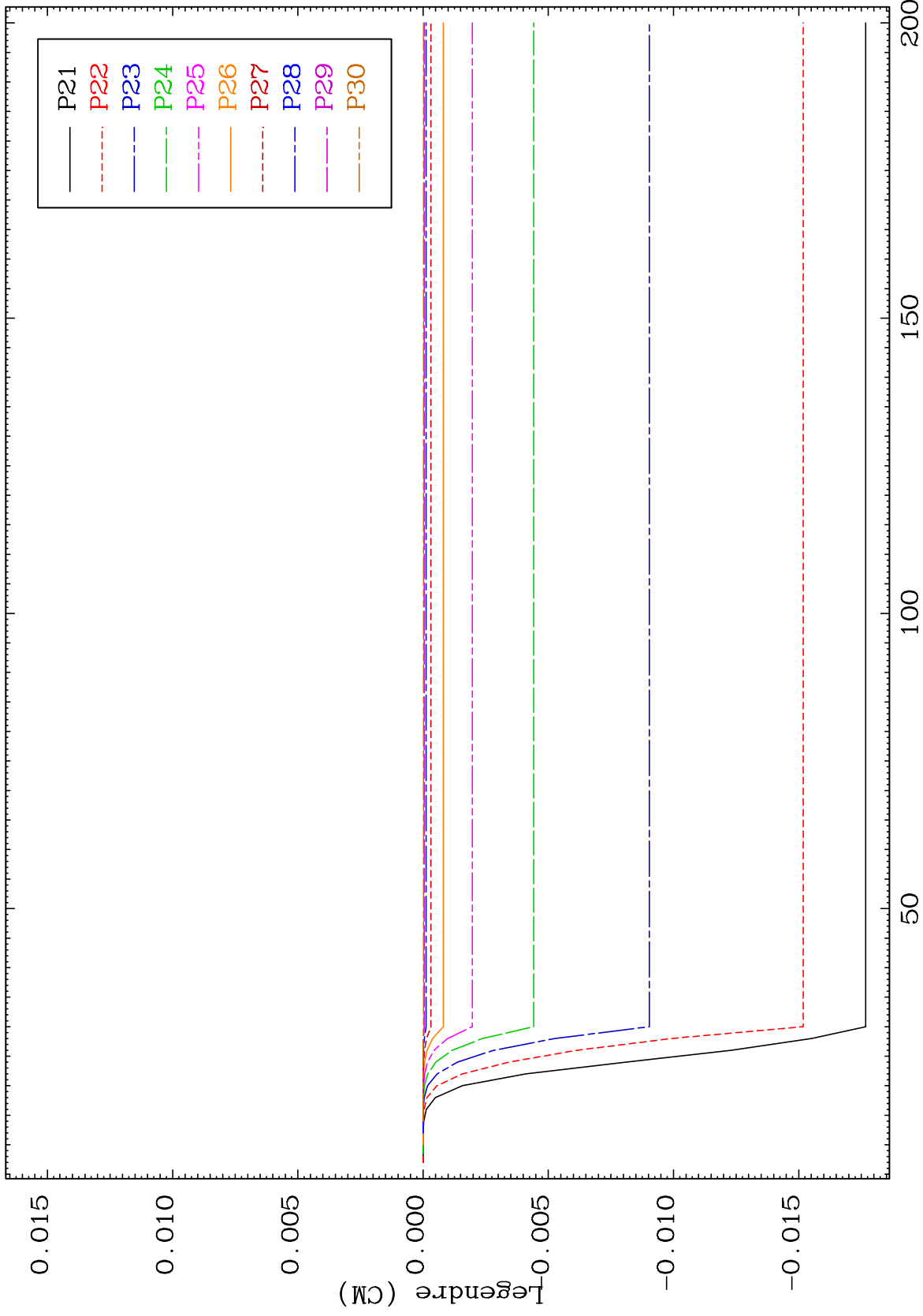
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

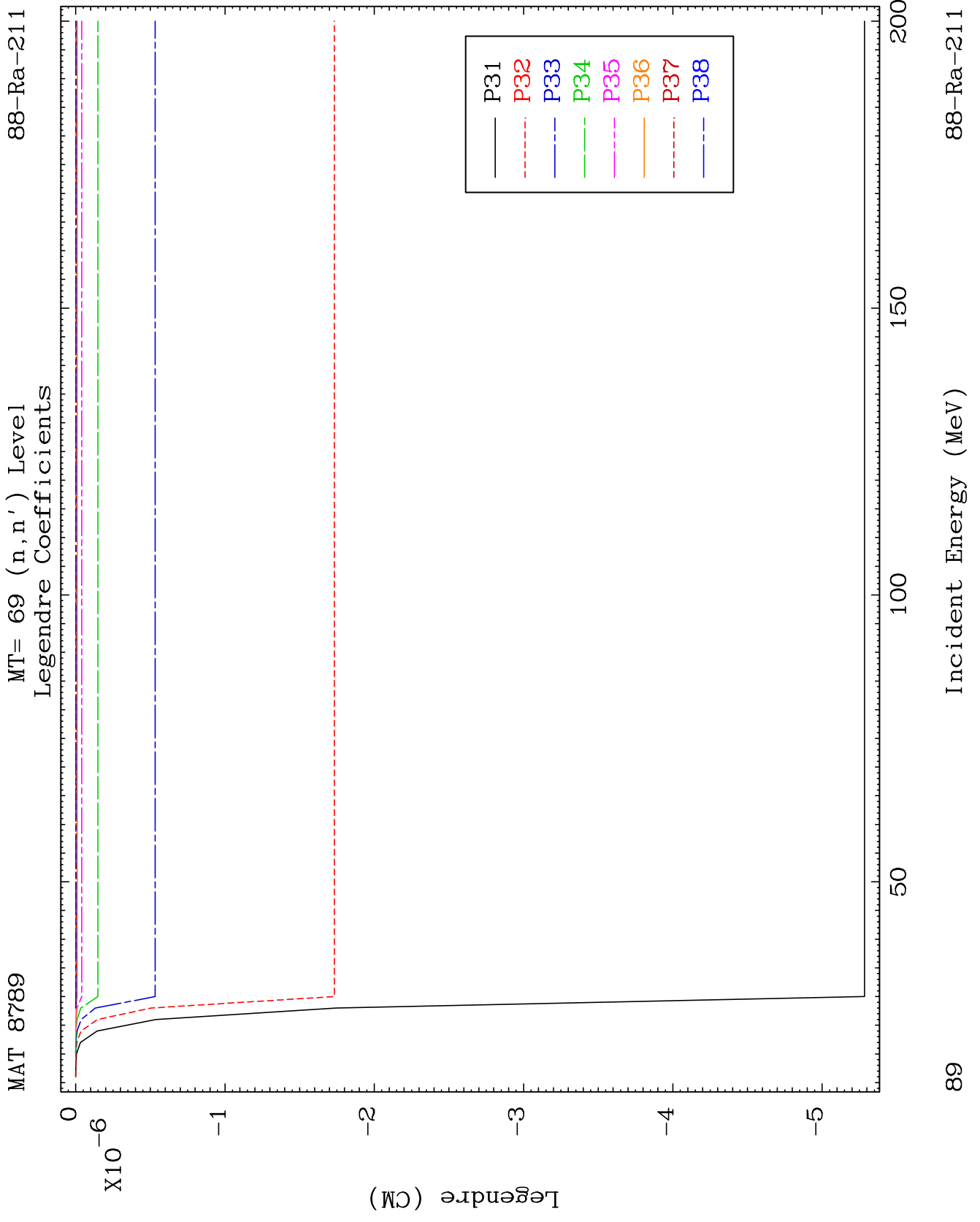
88-Ra-211



88

Incident Energy (MeV)

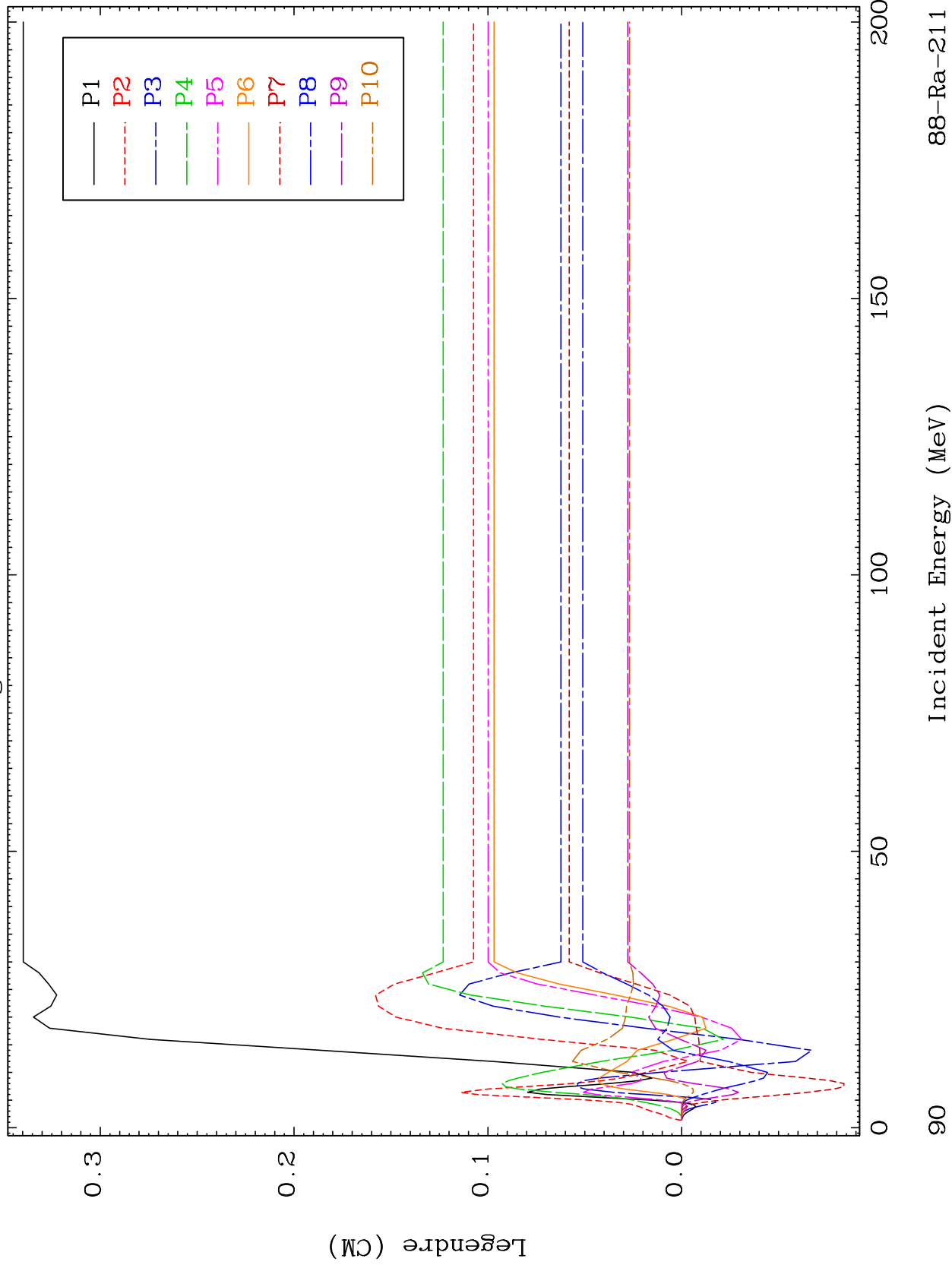
88-Ra-211



MAT 8789

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

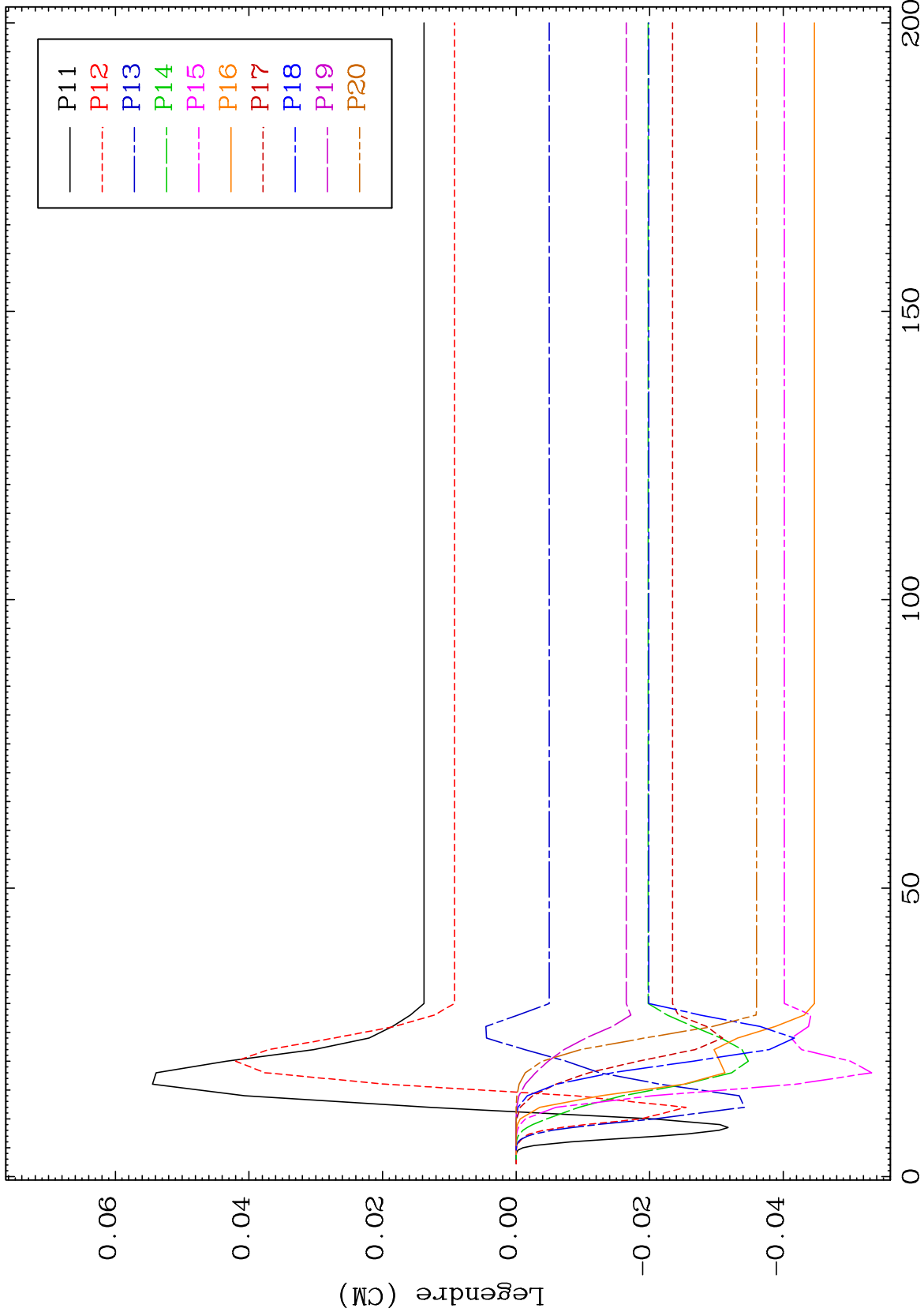
88-Ra-211



MAT 8789

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

88-Ra-211



91

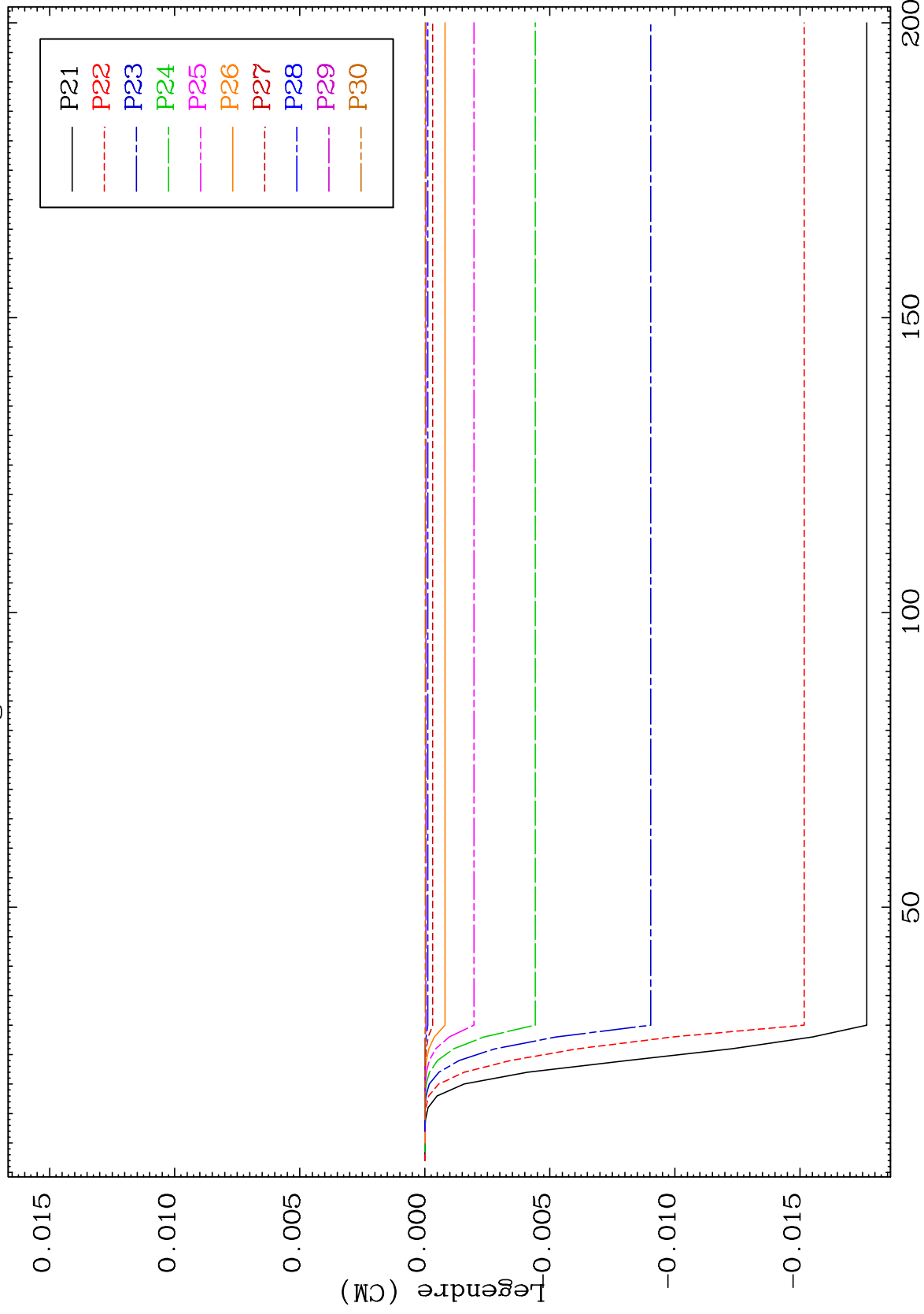
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

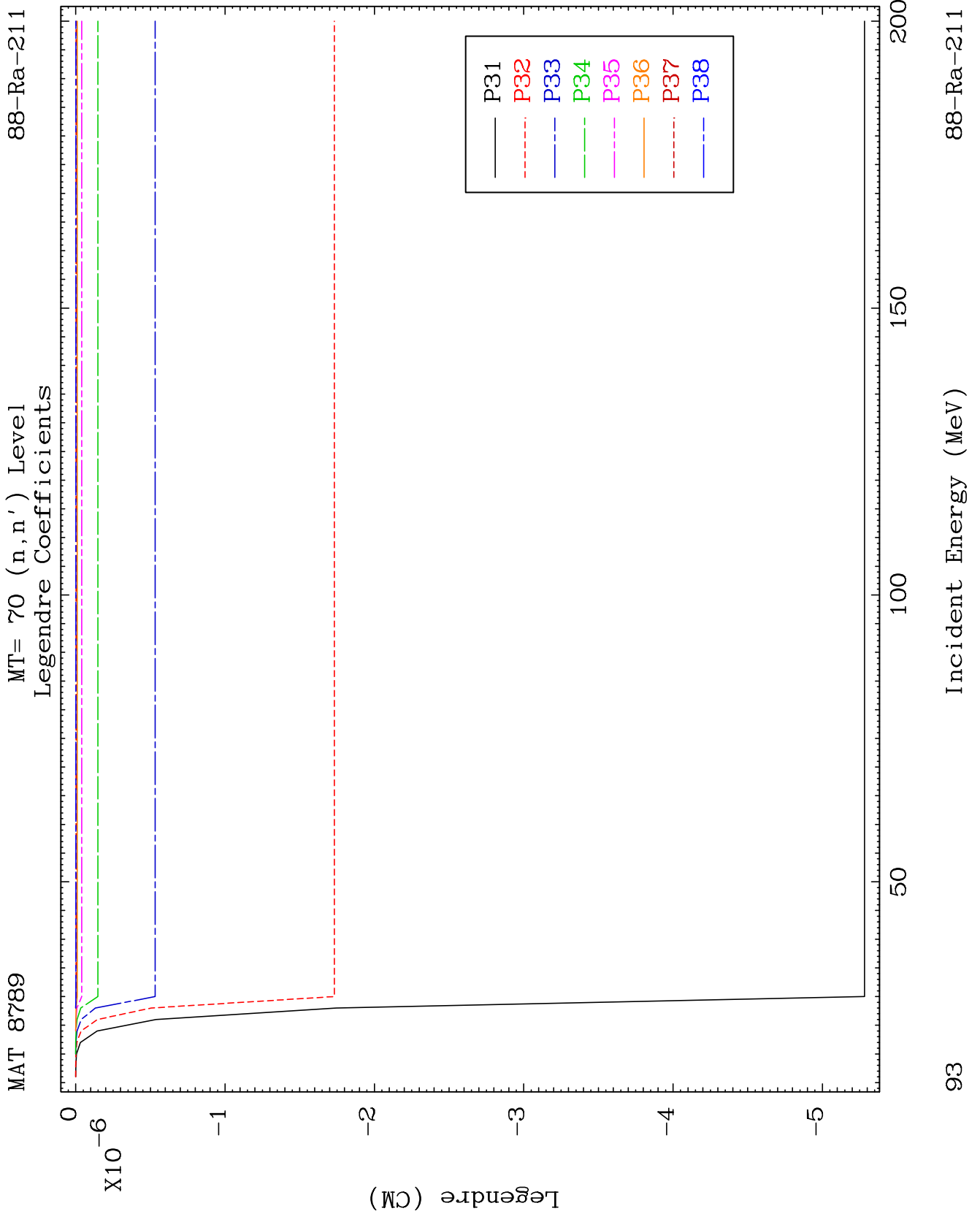
88-Ra-211



92

Incident Energy (MeV)

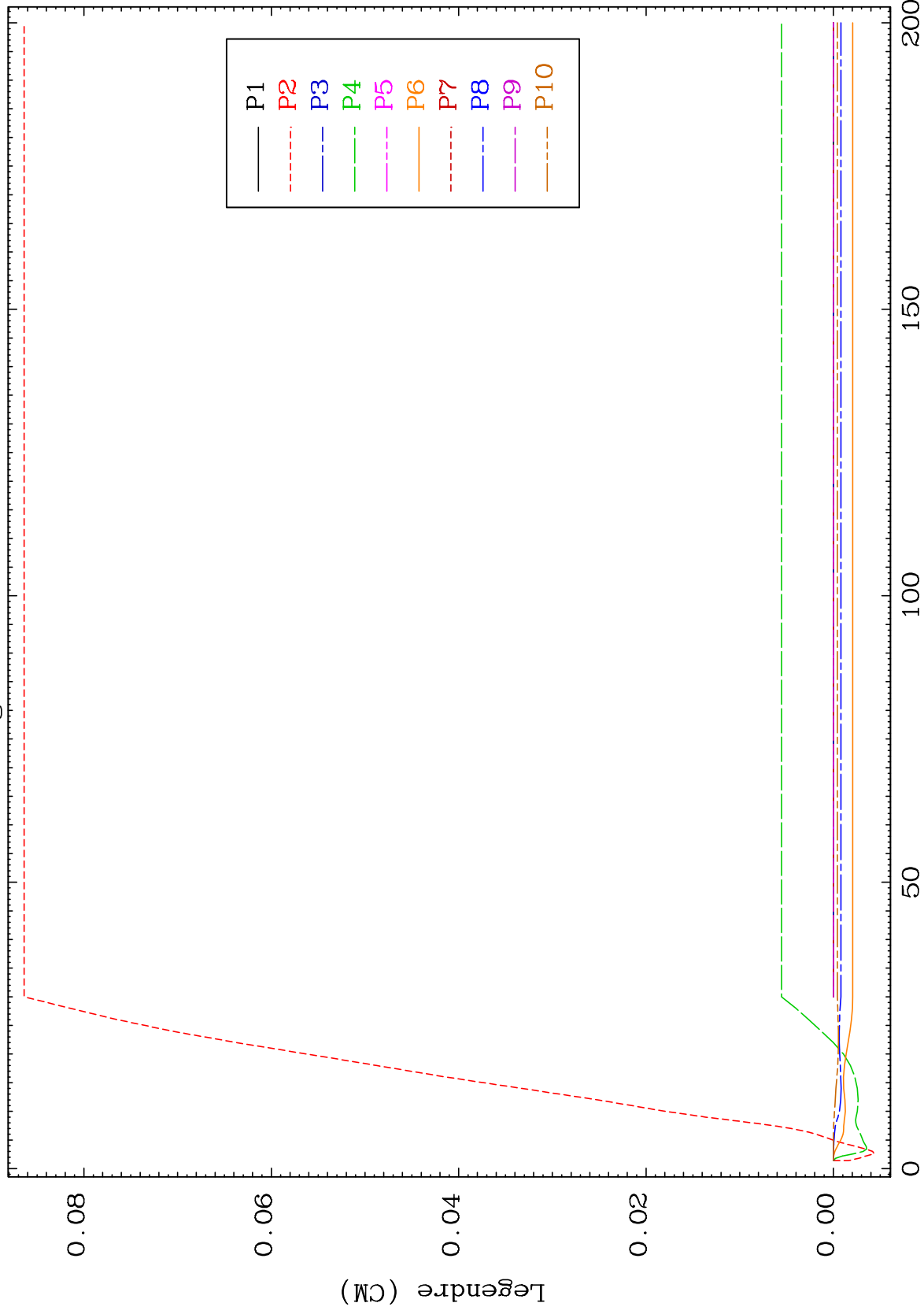
88-Ra-211



MAT 8789

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

88-Ra-211



94

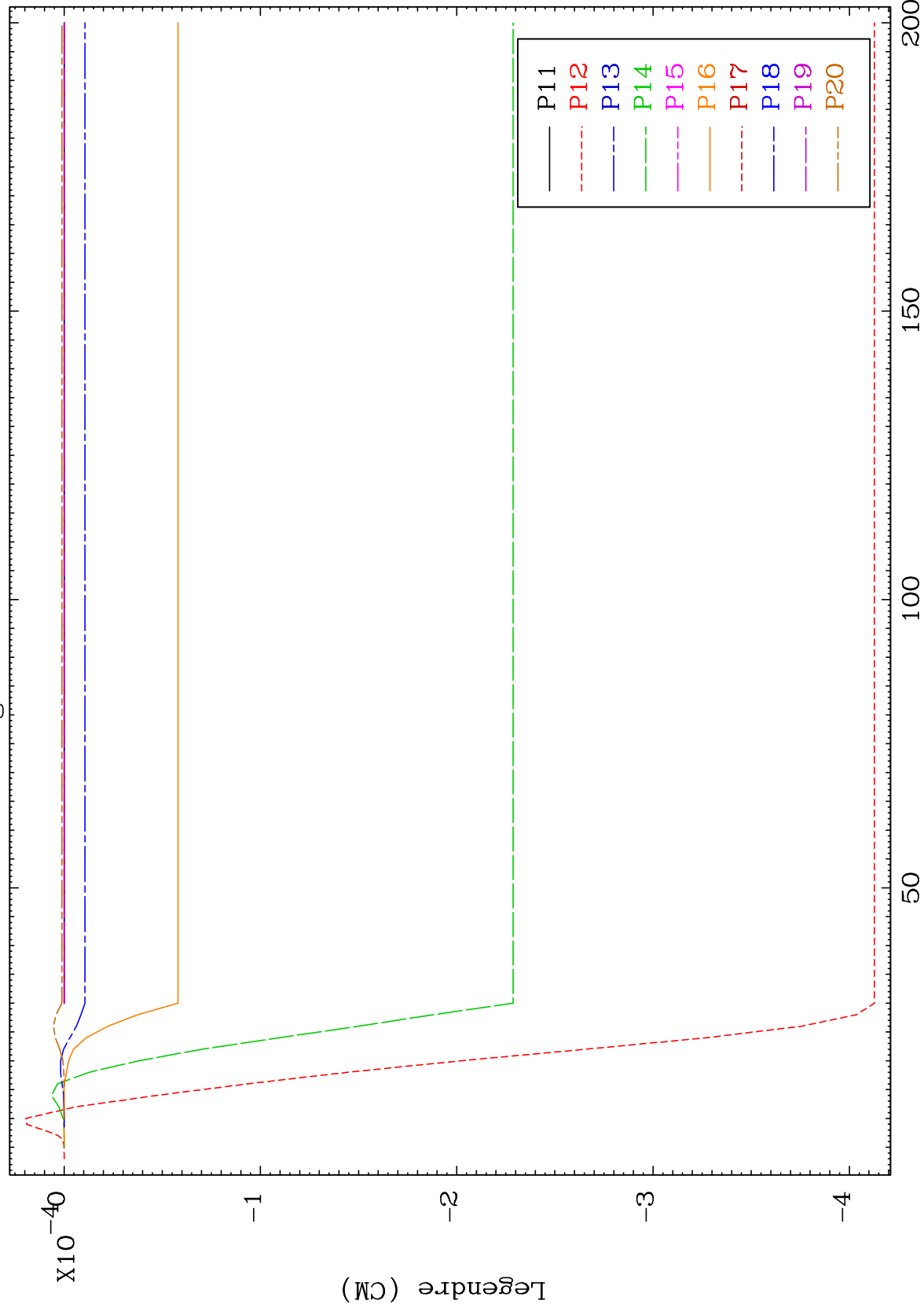
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



95

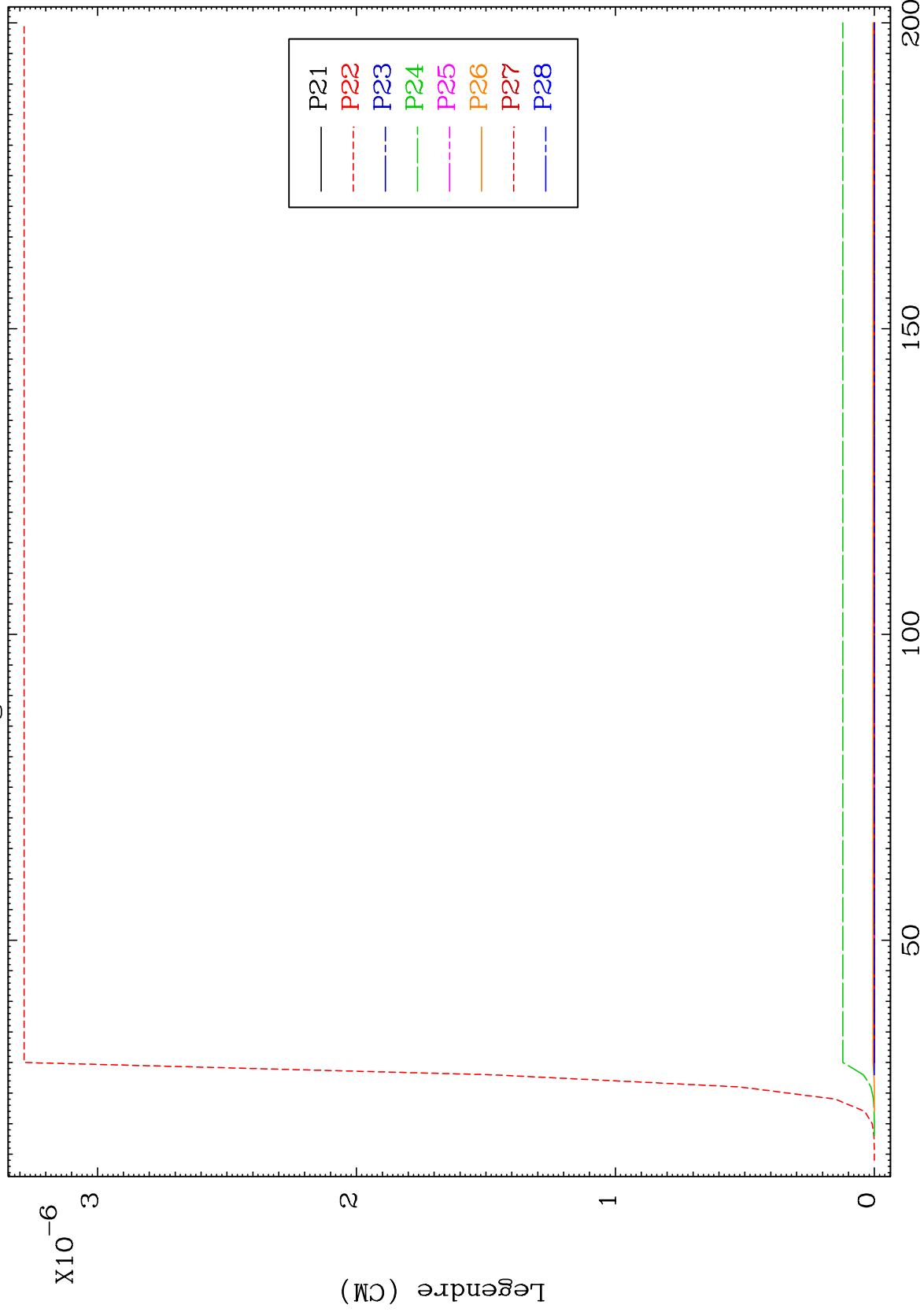
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



96

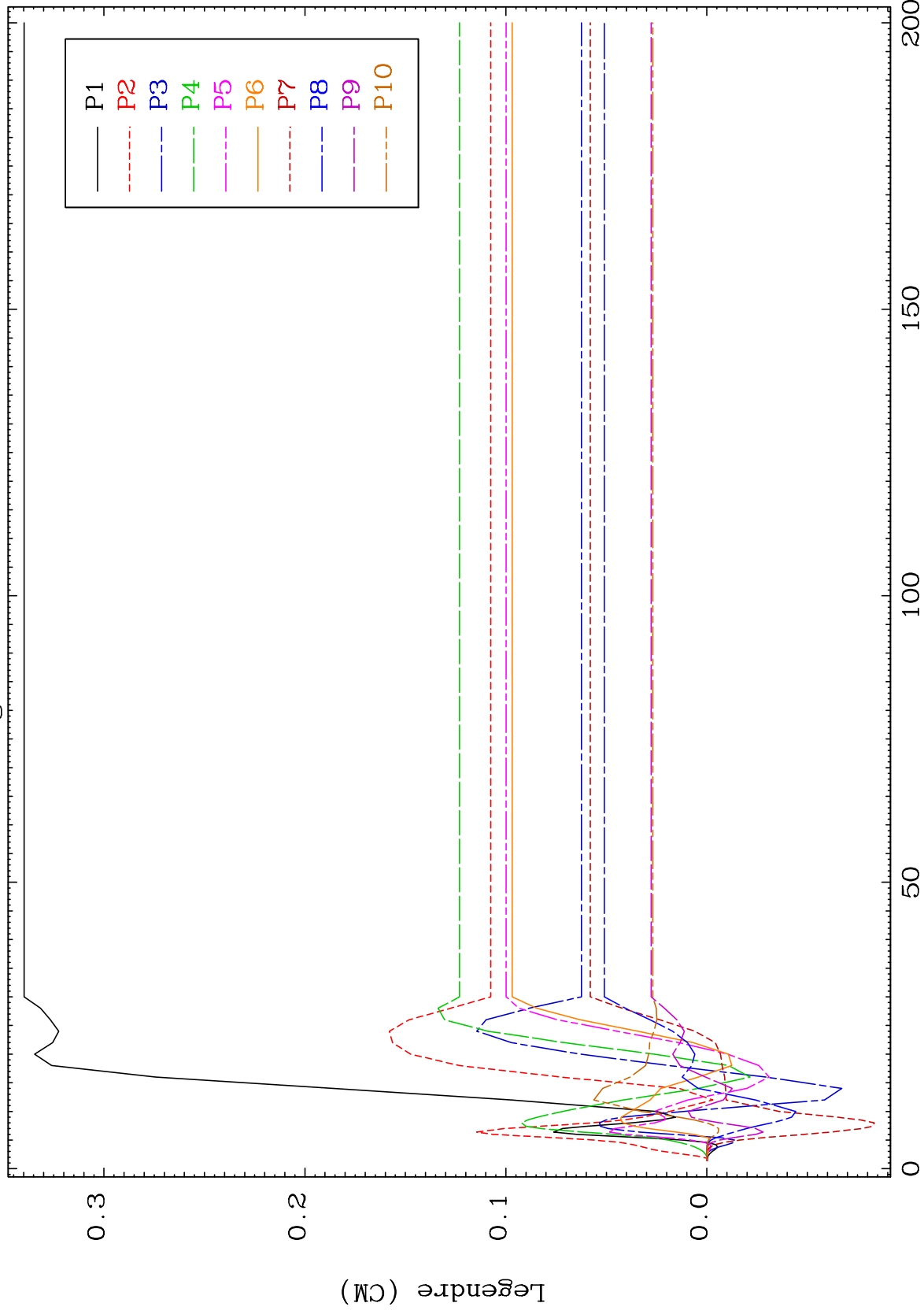
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



97

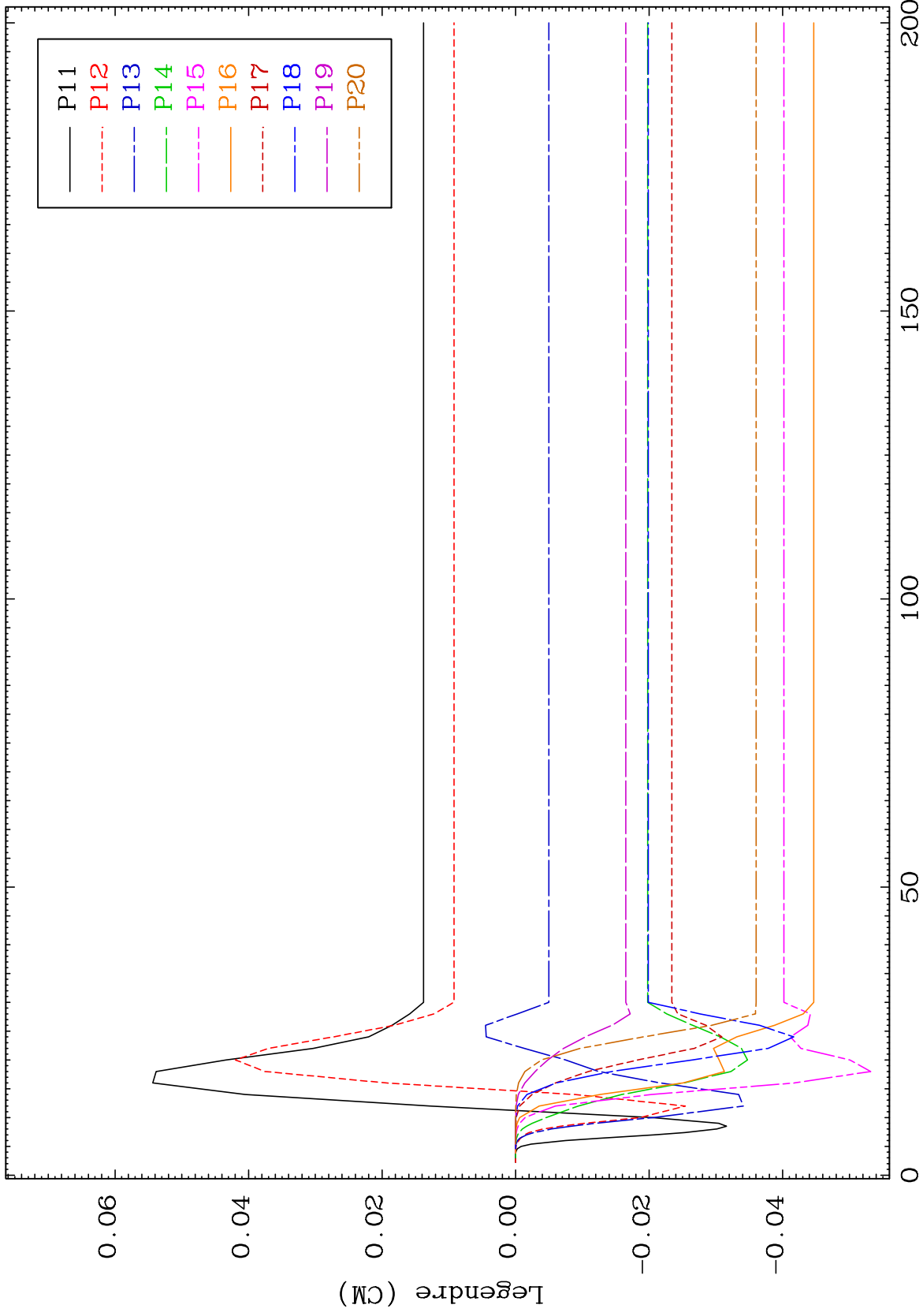
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



98

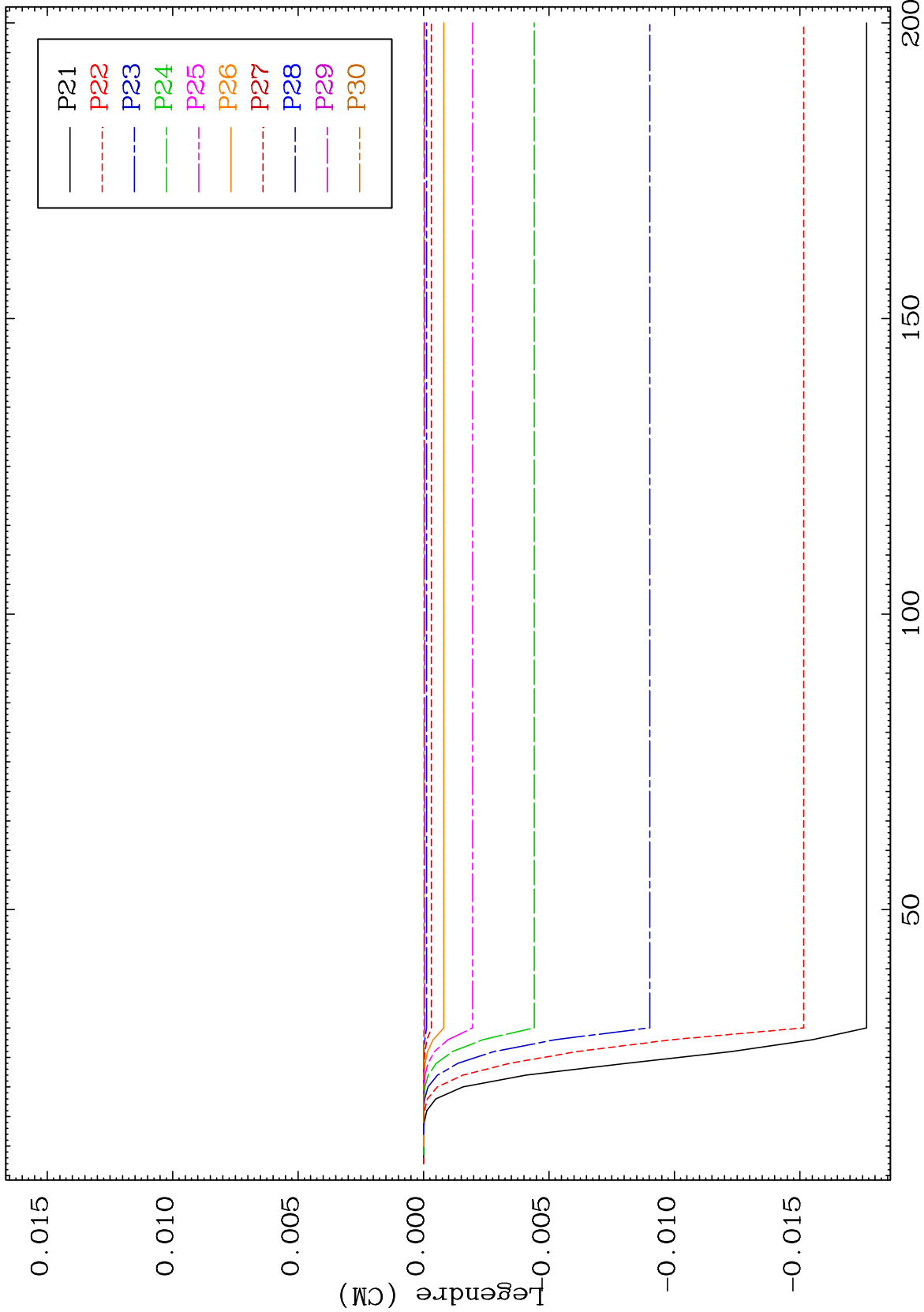
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

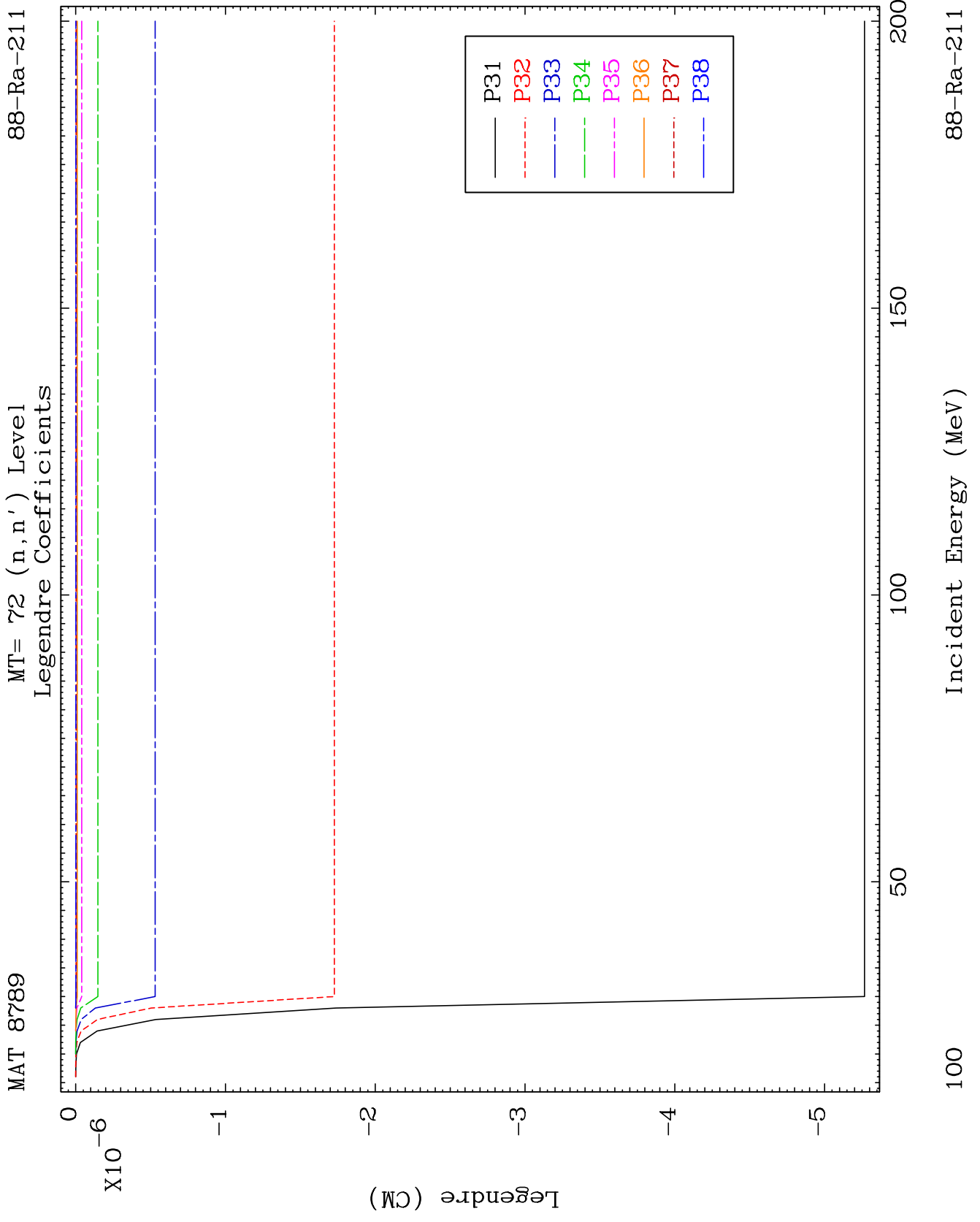
88-Ra-211



99

Incident Energy (MeV)

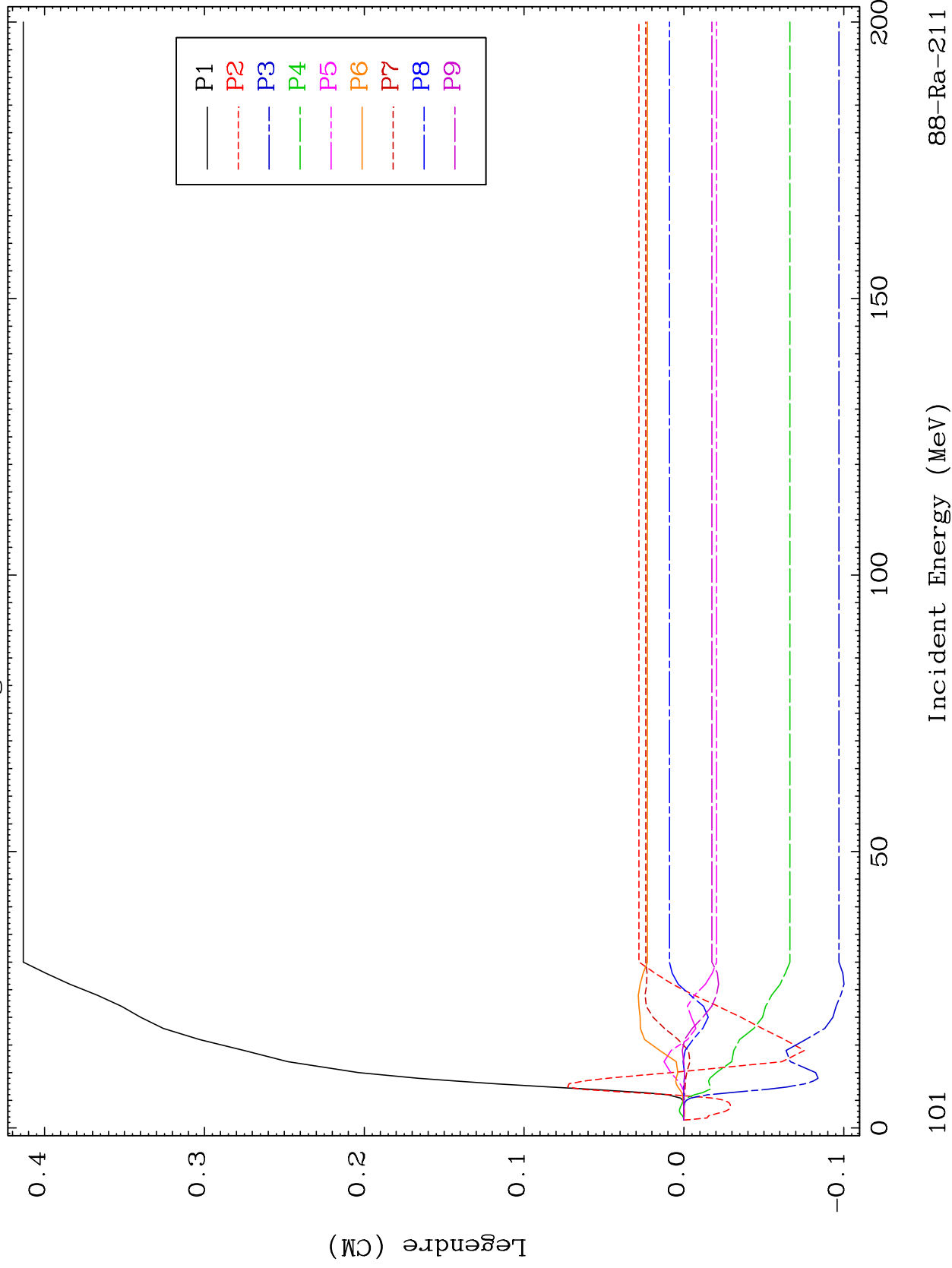
88-Ra-211



MAT 8789

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

88-Ra-211



88-Ra-211

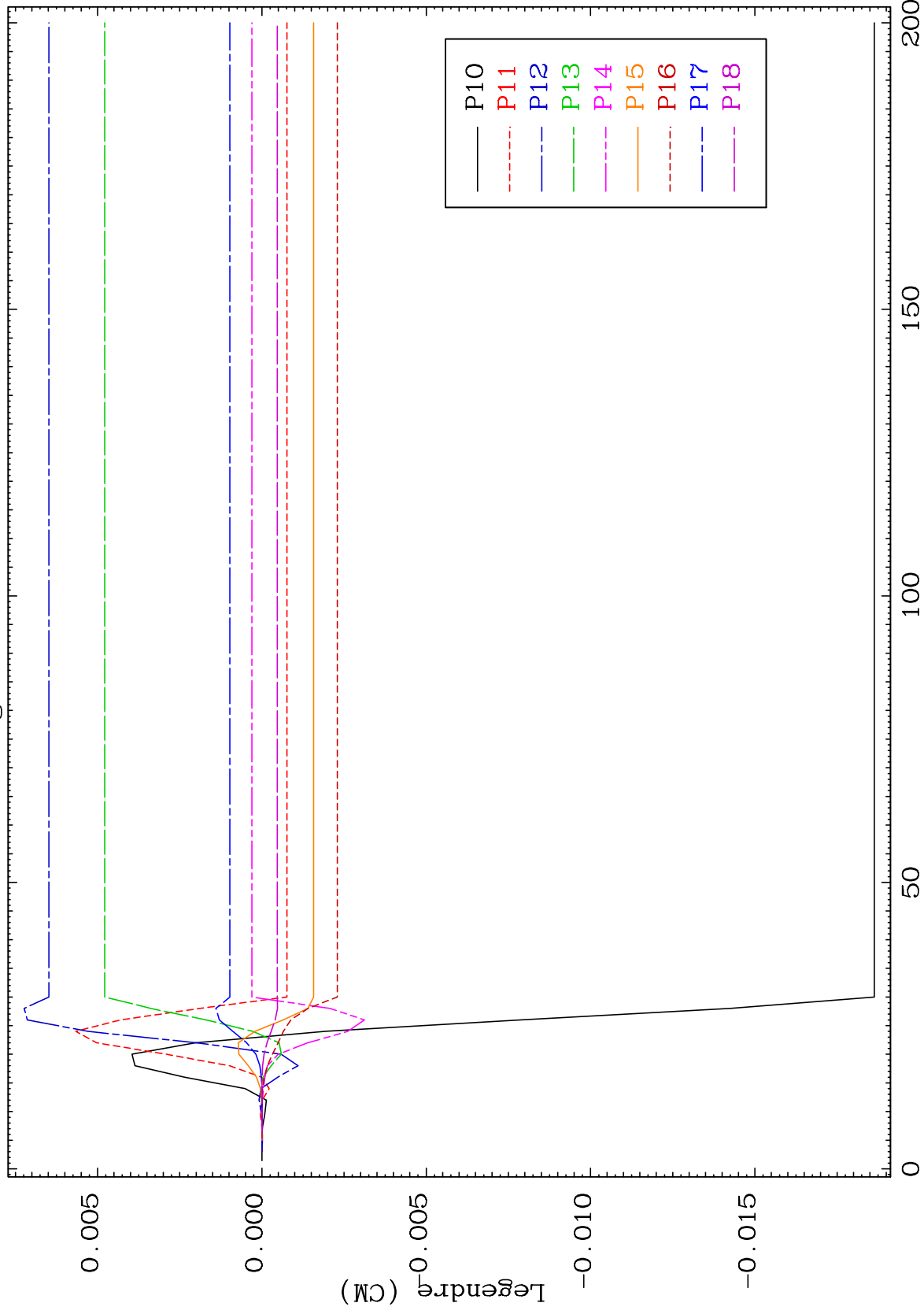
Incident Energy (MeV)

101

MAT 8789

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

88-Ra-211



102

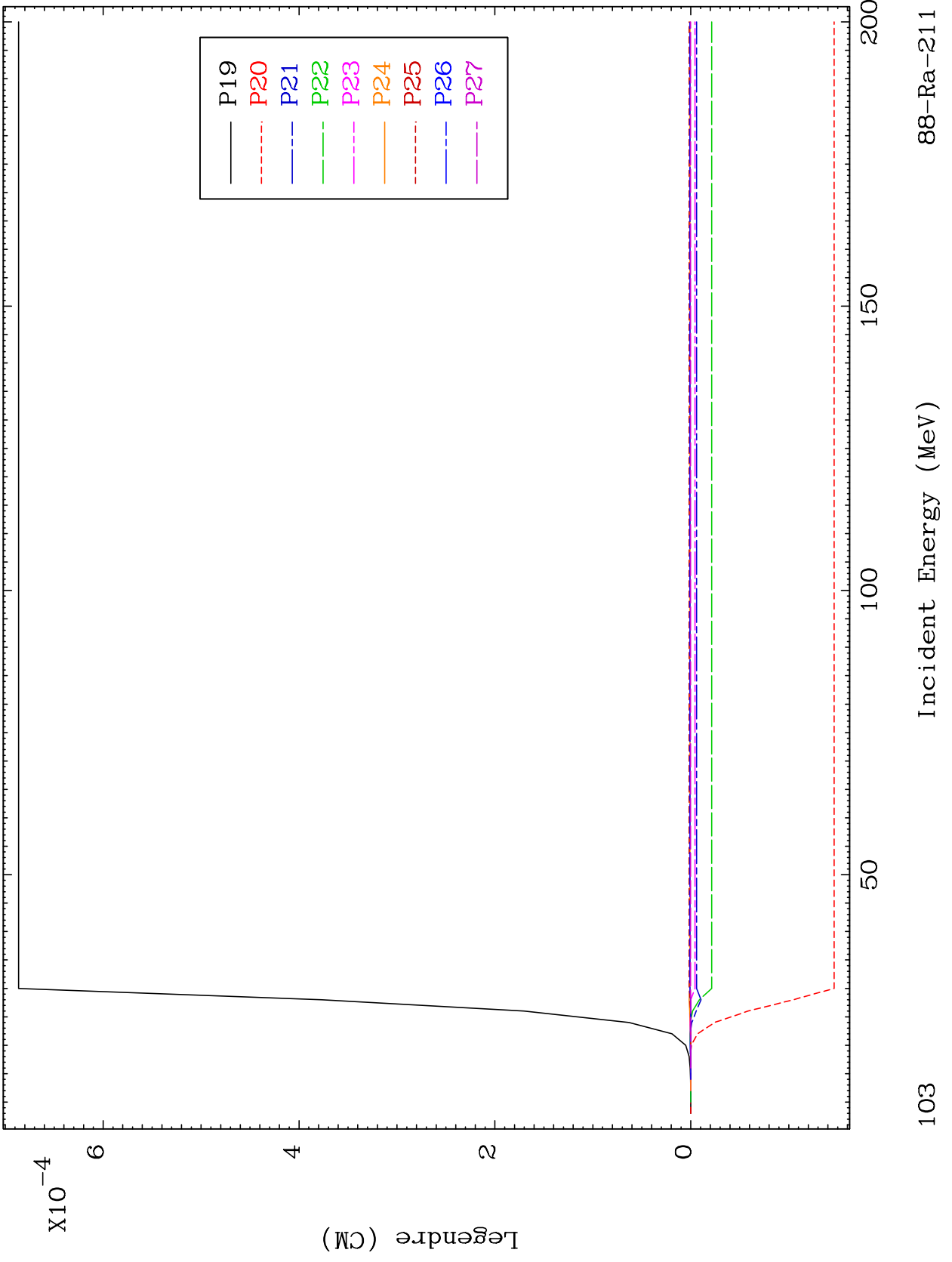
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

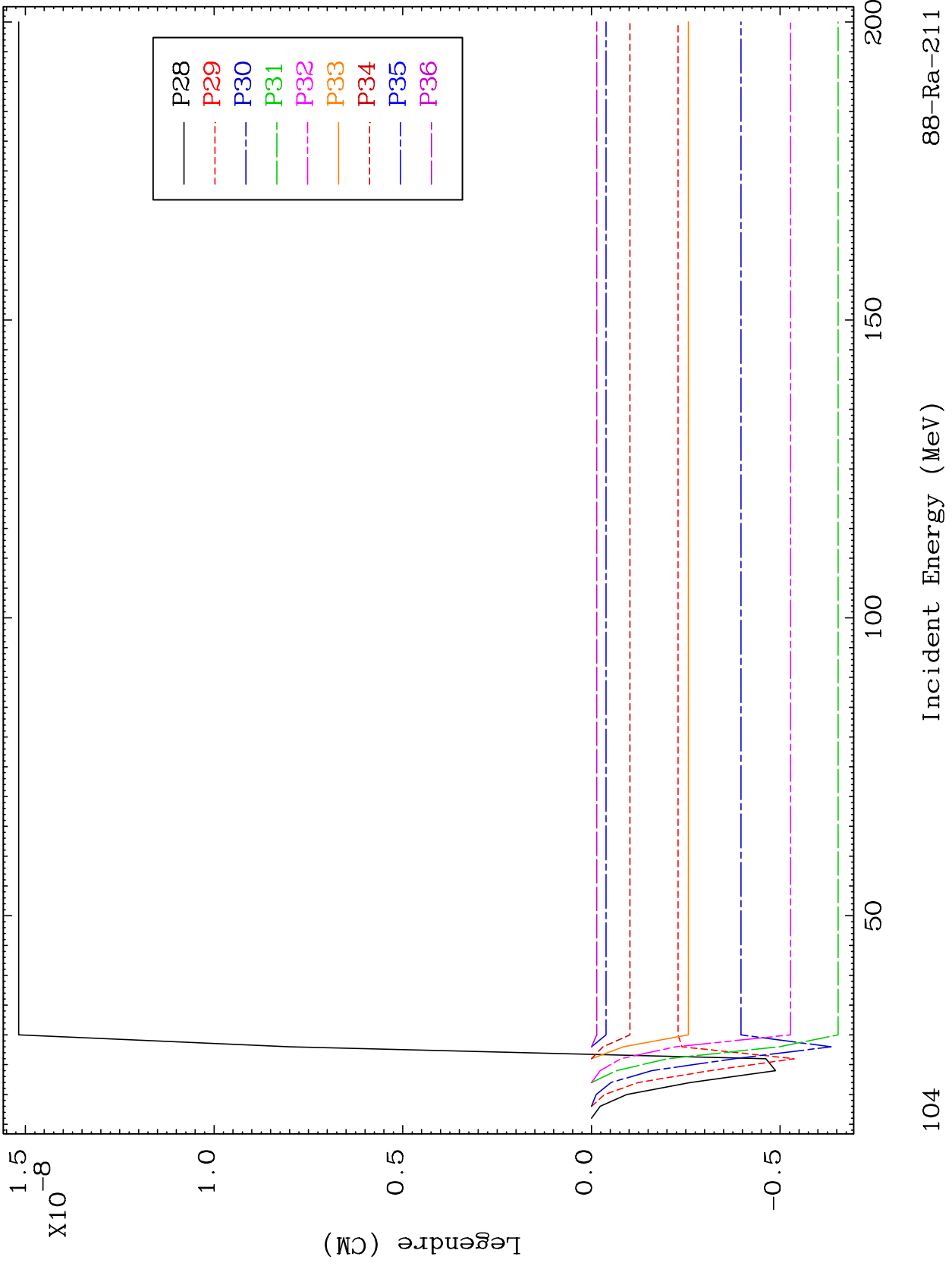
88-Ra-211



MAT 8789

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

88-Ra-211



104

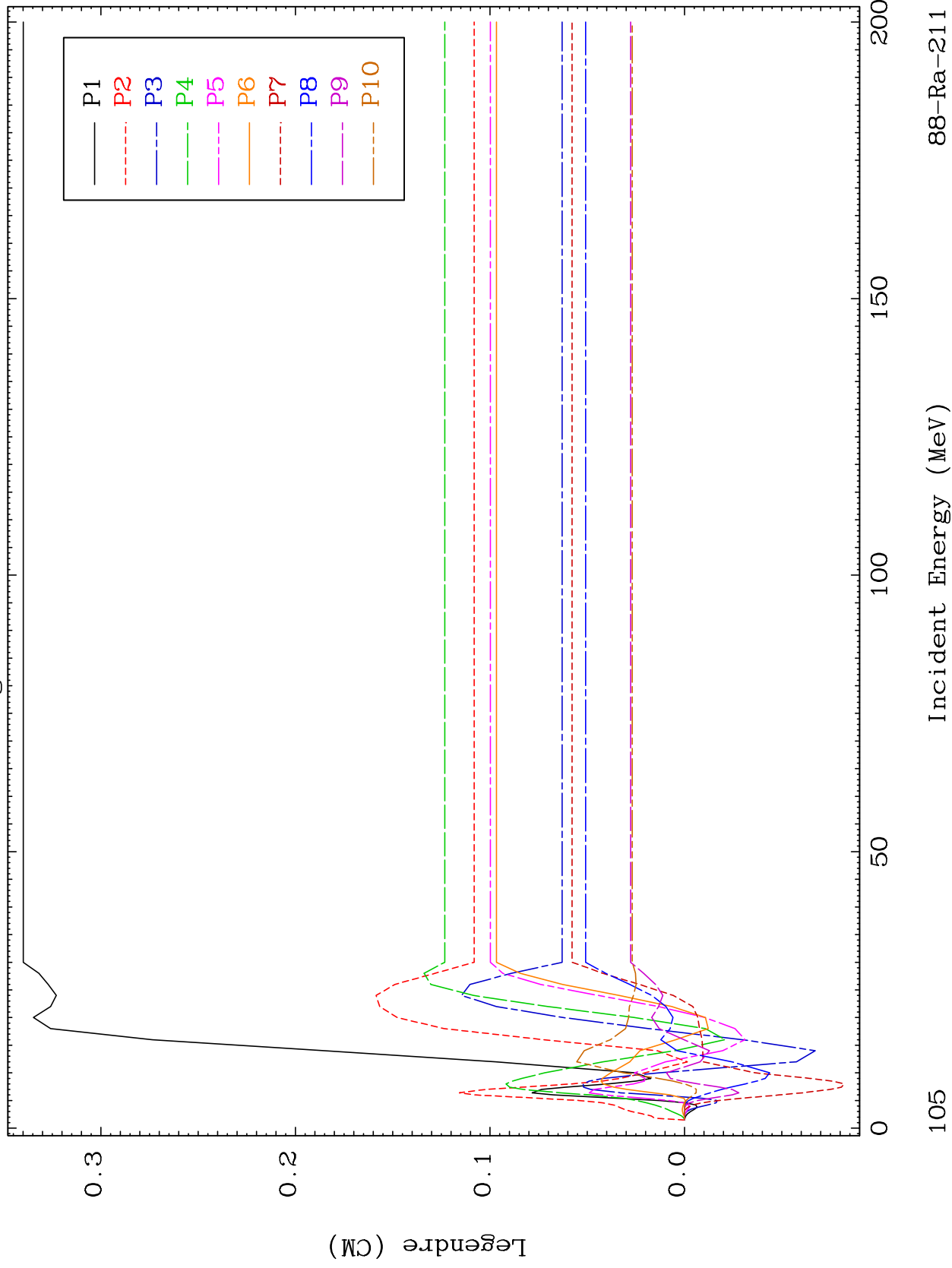
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

88-Ra-211



88-Ra-211

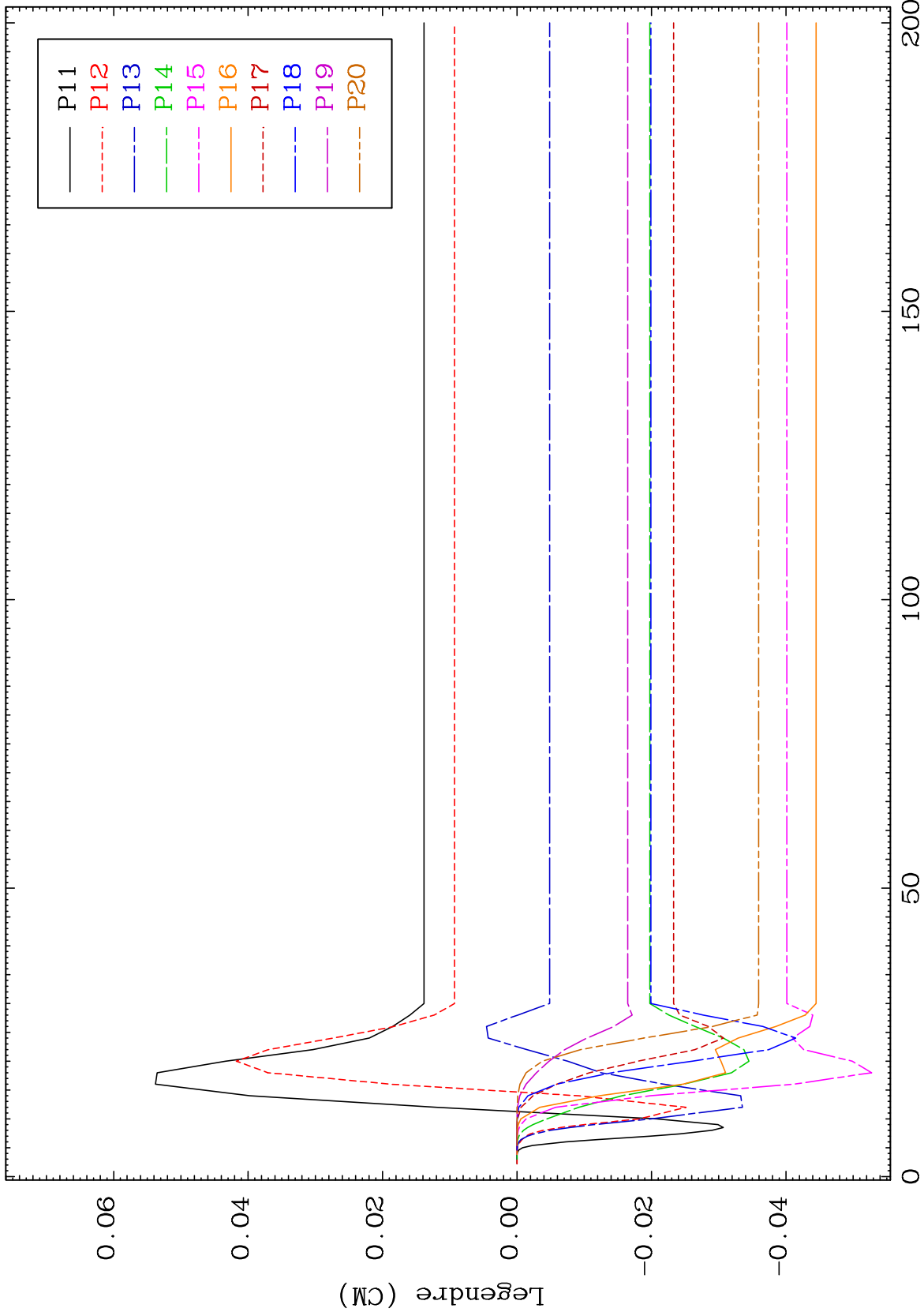
Incident Energy (MeV)

105

MAT 8789

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

88-Ra-211



106

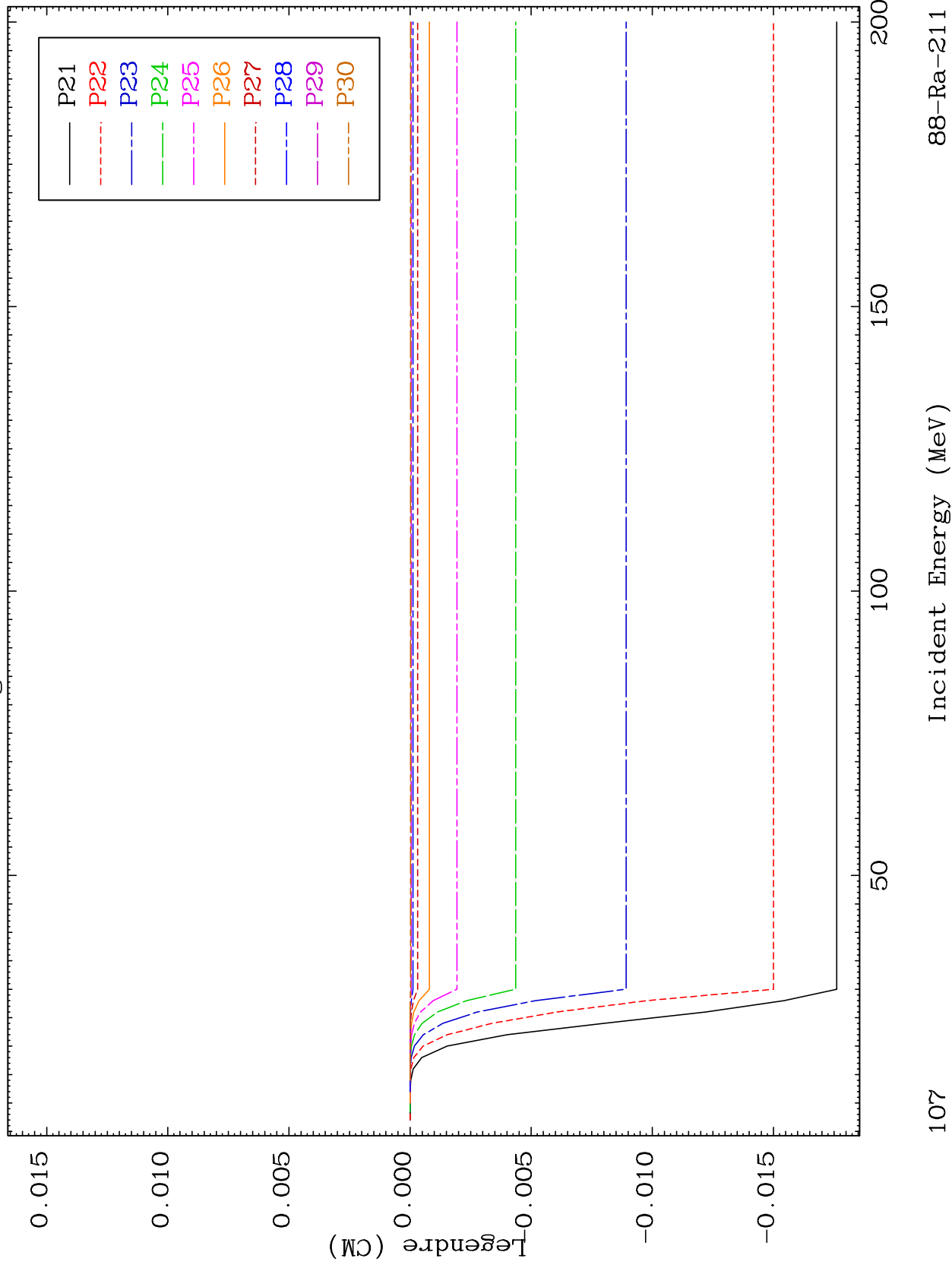
Incident Energy (MeV)

88-Ra-211

MAT 8789

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

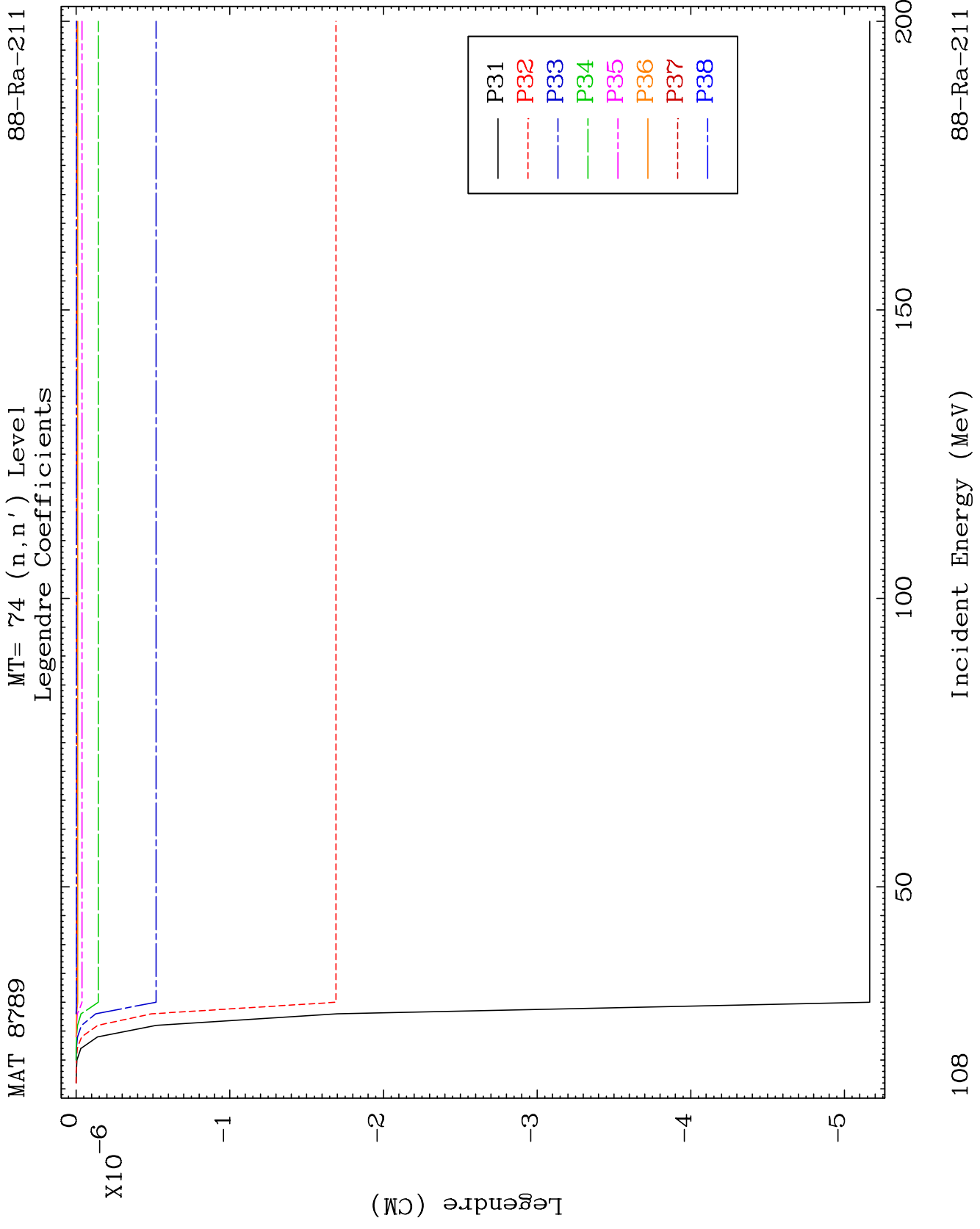
88-Ra-211



107

Incident Energy (MeV)

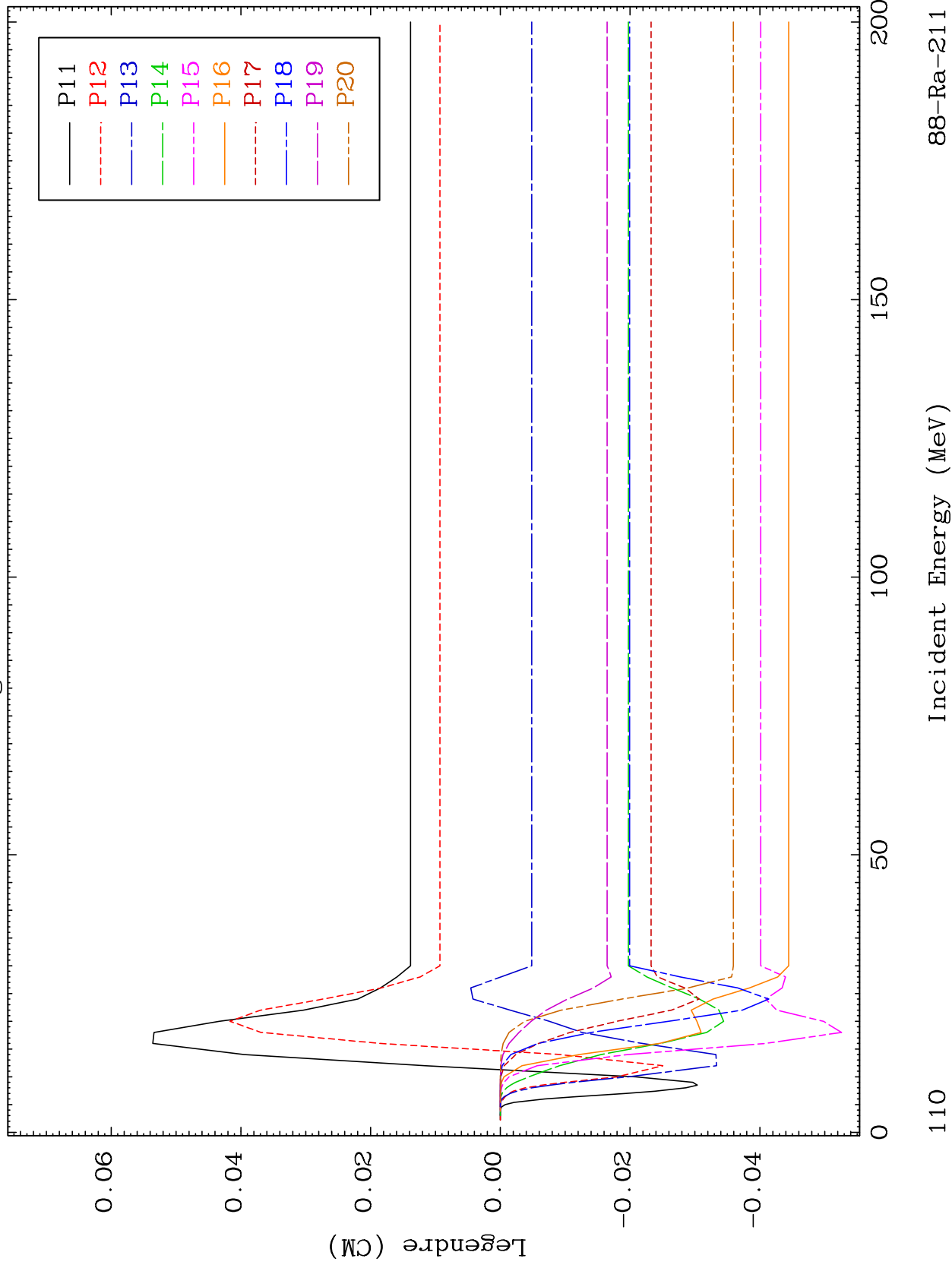
88-Ra-211



MAT 8789

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

88-Ra-211



88-Ra-211

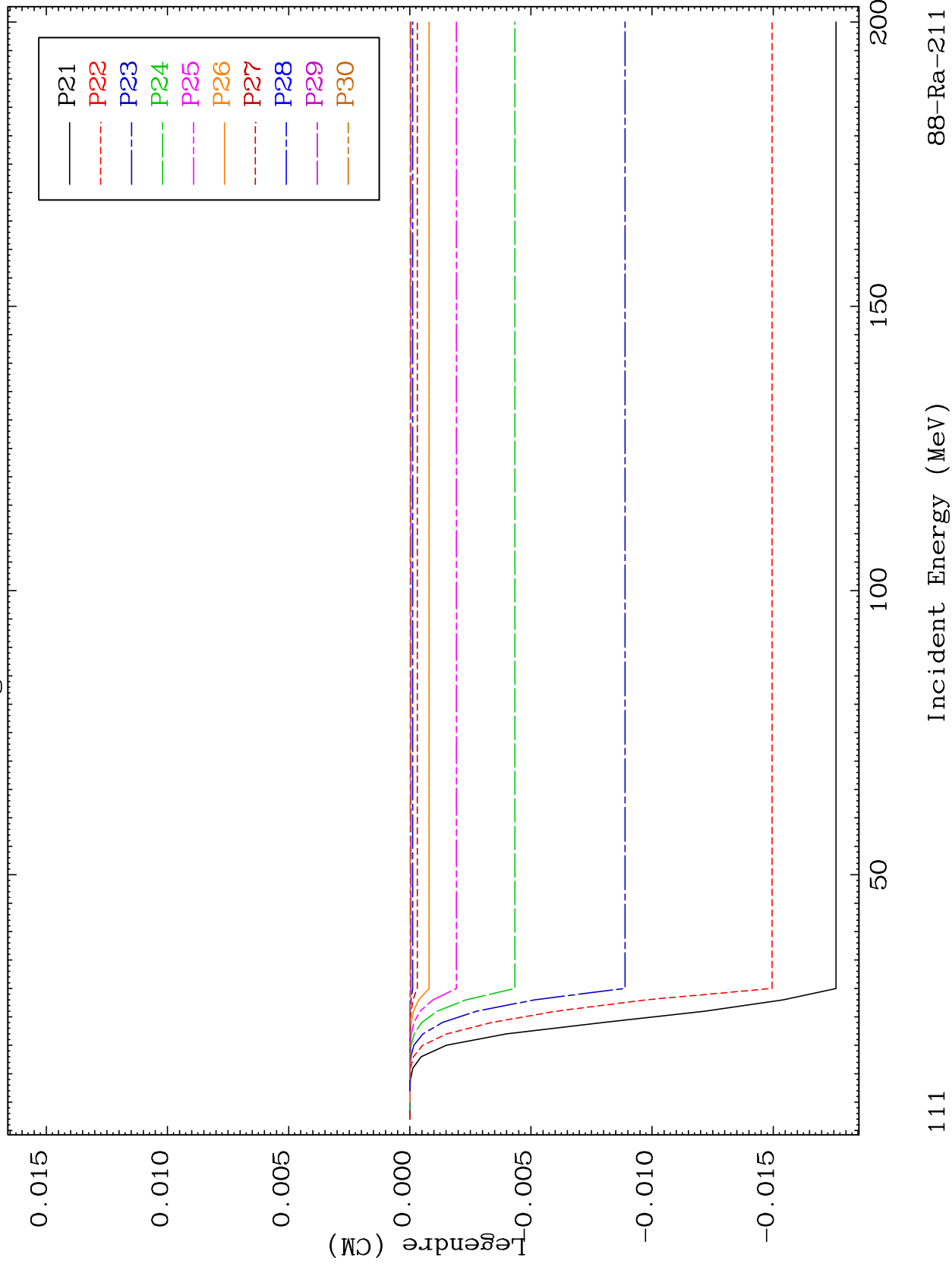
Incident Energy (MeV)

110

MAT 8789

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

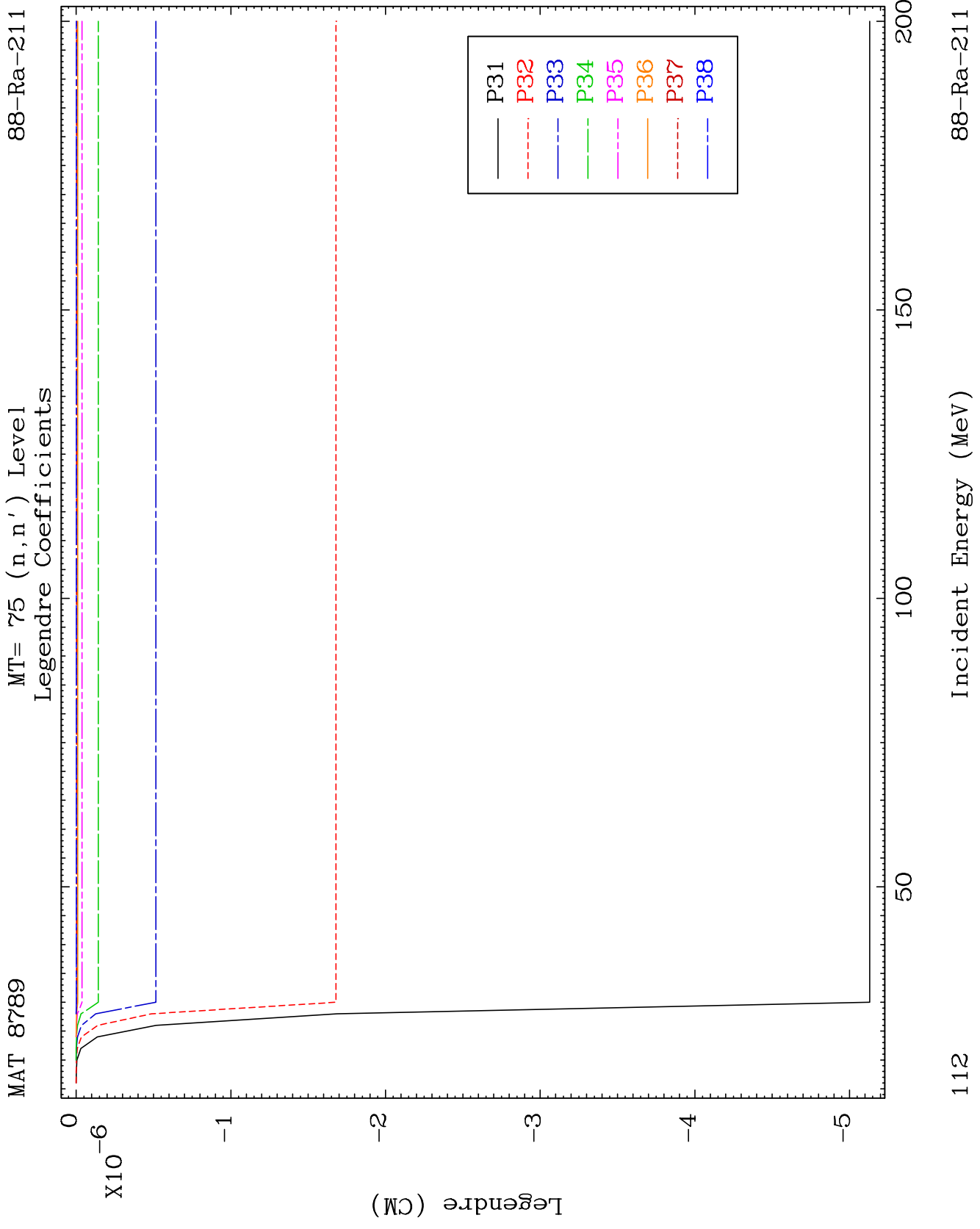
88-Ra-211



111

Incident Energy (MeV)

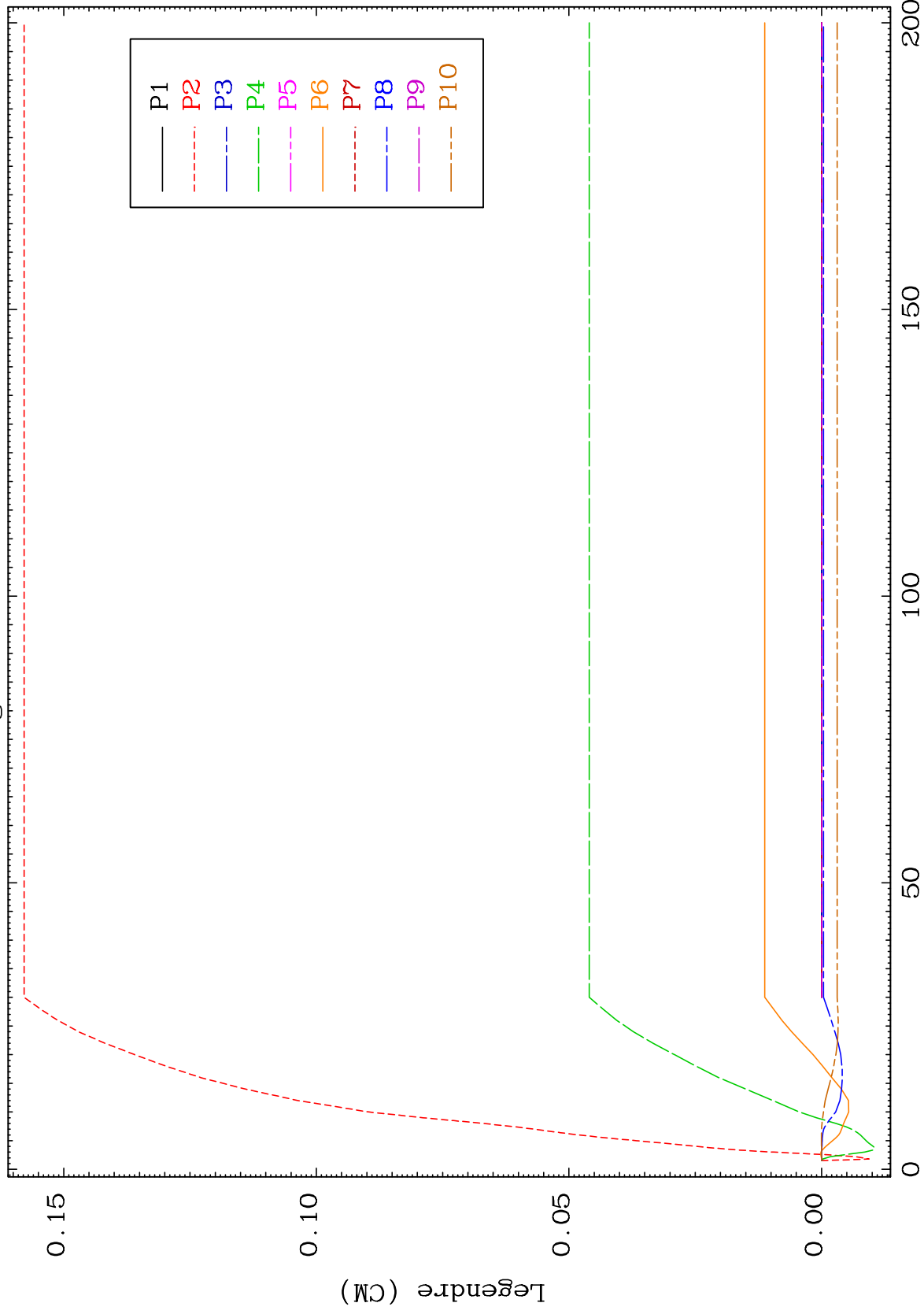
88-Ra-211



MAT 8789

MT= 76 (n,n') Level
Legendre Coefficients

88-Ra-211



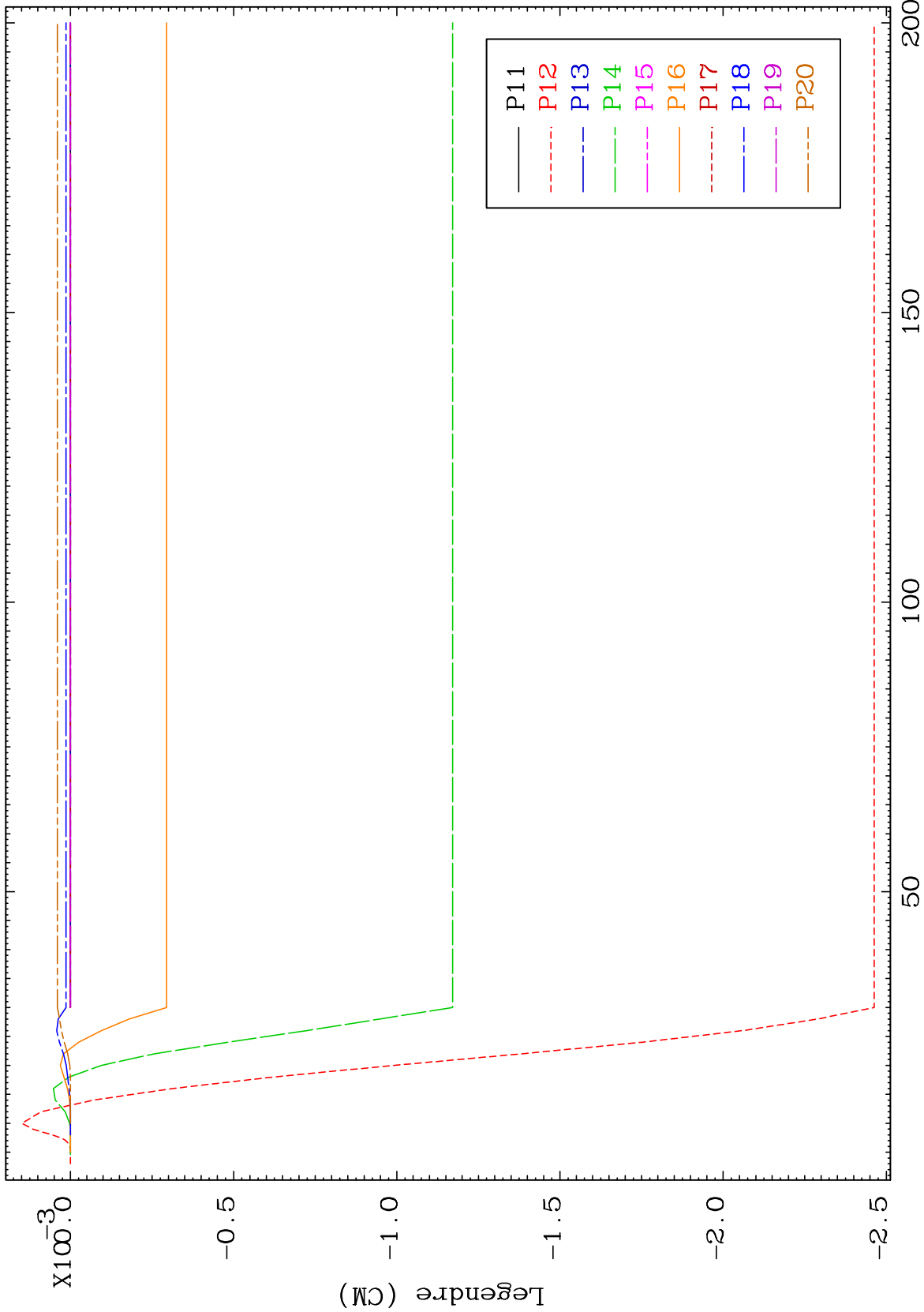
113

88-Ra-211

MAT 8789

MT= 76 (n,n') Level
Legendre Coefficients

88-Ra-211



114

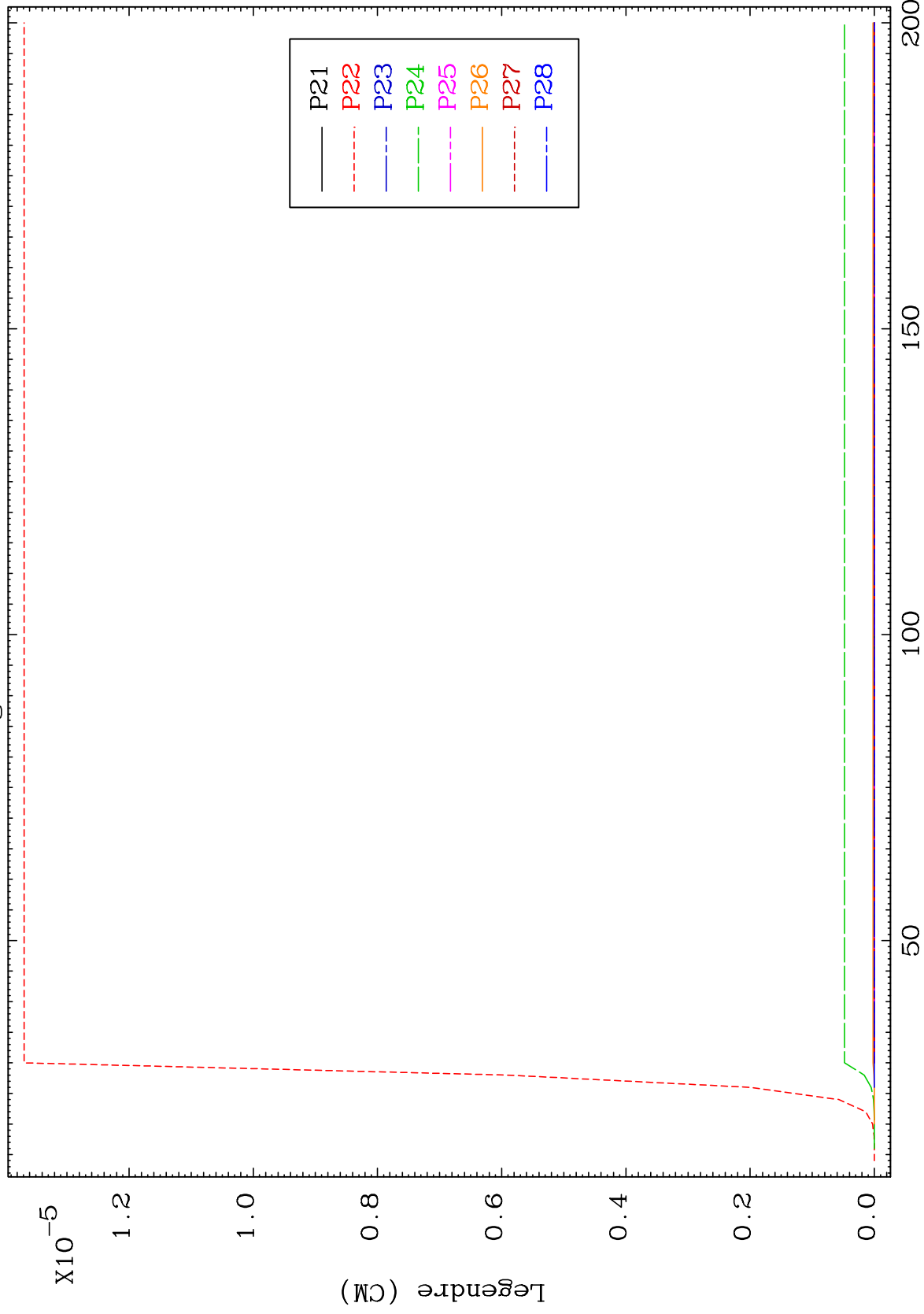
Incident Energy (MeV)

88-Ra-211

MAT 8789

MT= 76 (n,n') Level
Legendre Coefficients

88-Ra-211



115

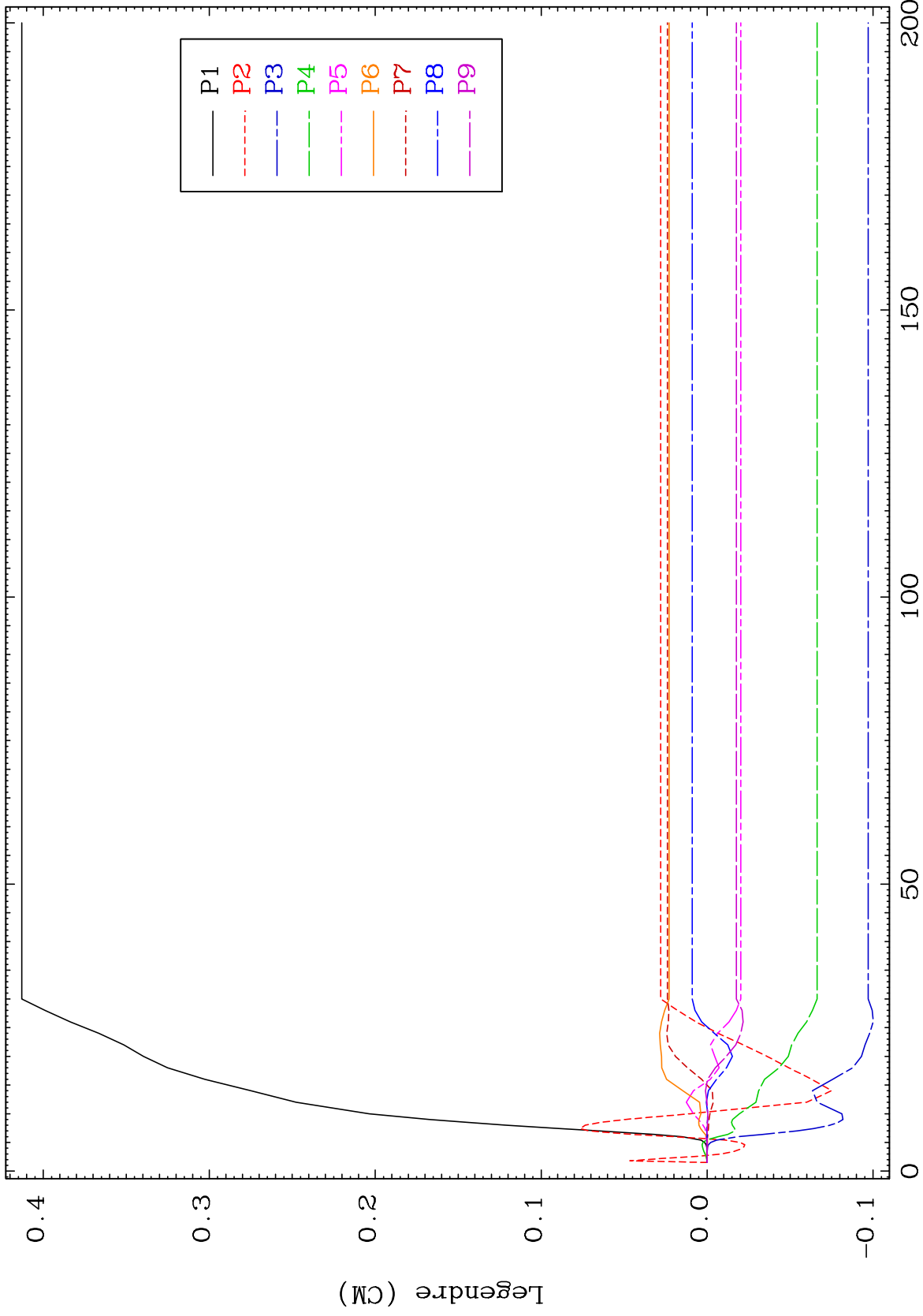
Incident Energy (MeV)

88-Ra-211

MAT 8789

MT= 77 (n,n') Level
Legendre Coefficients

88-Ra-211



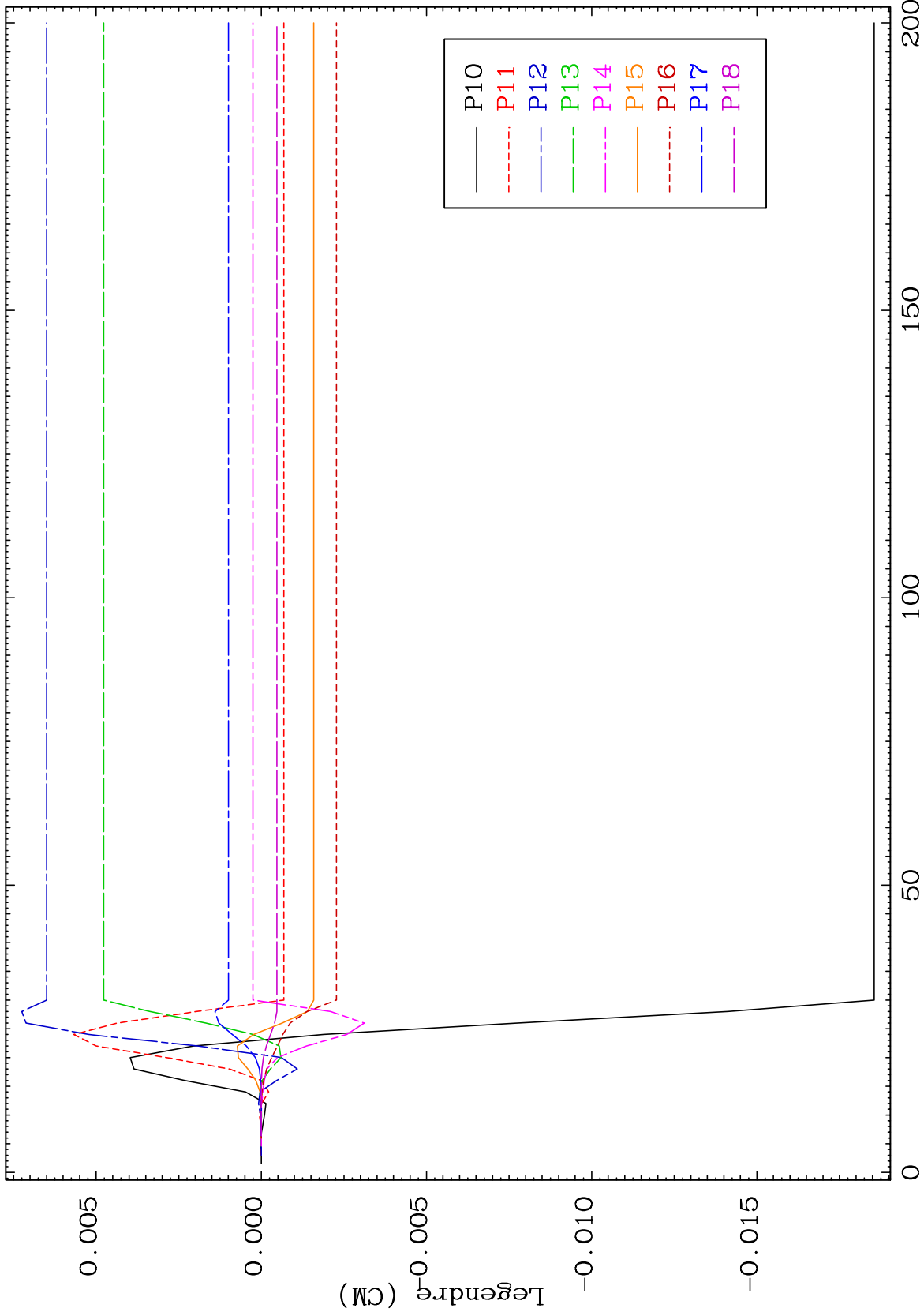
116

88-Ra-211

MAT 8789

MT= 77 (n,n') Level
Legendre Coefficients

88-Ra-211



117

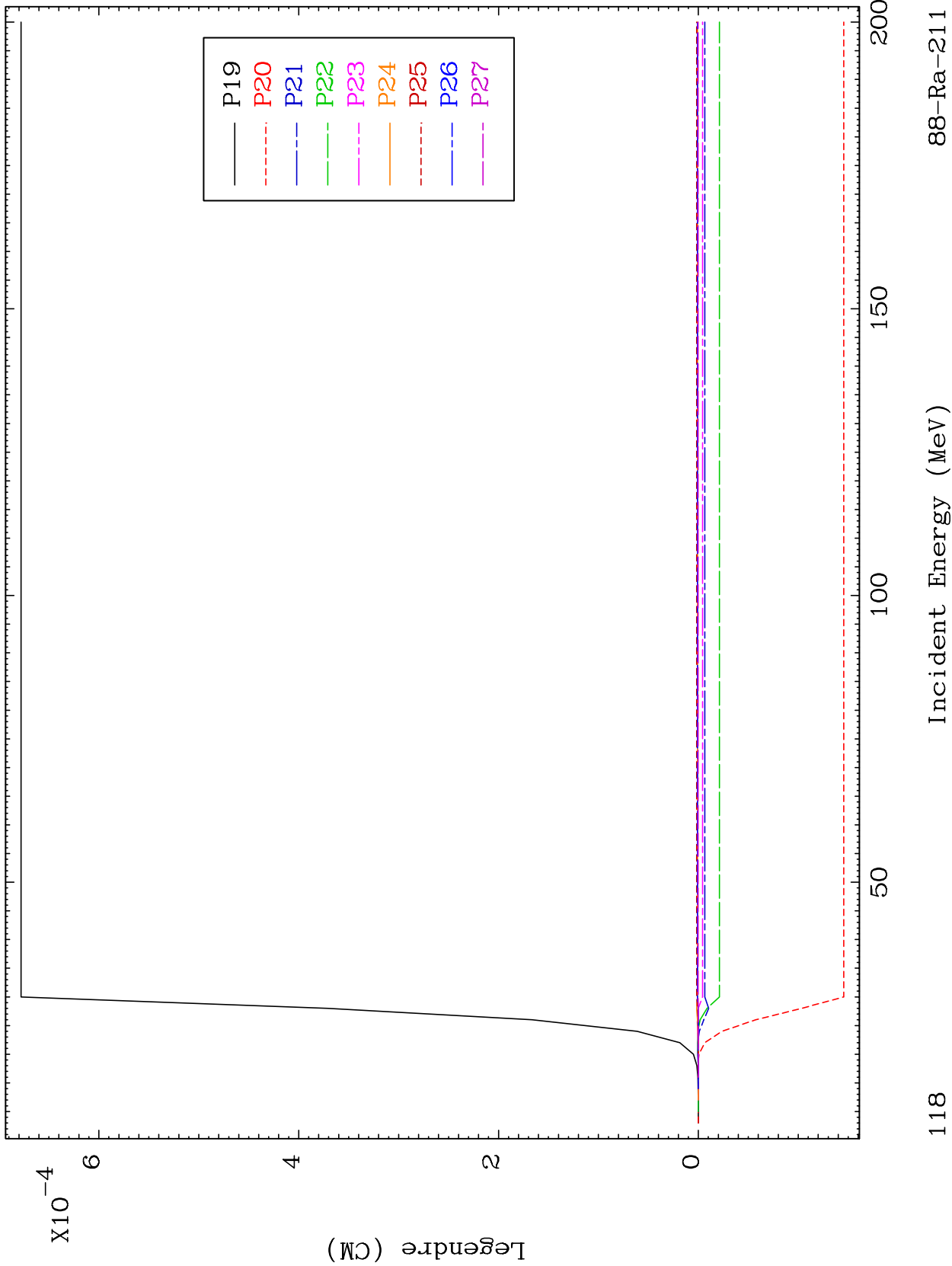
Incident Energy (MeV)

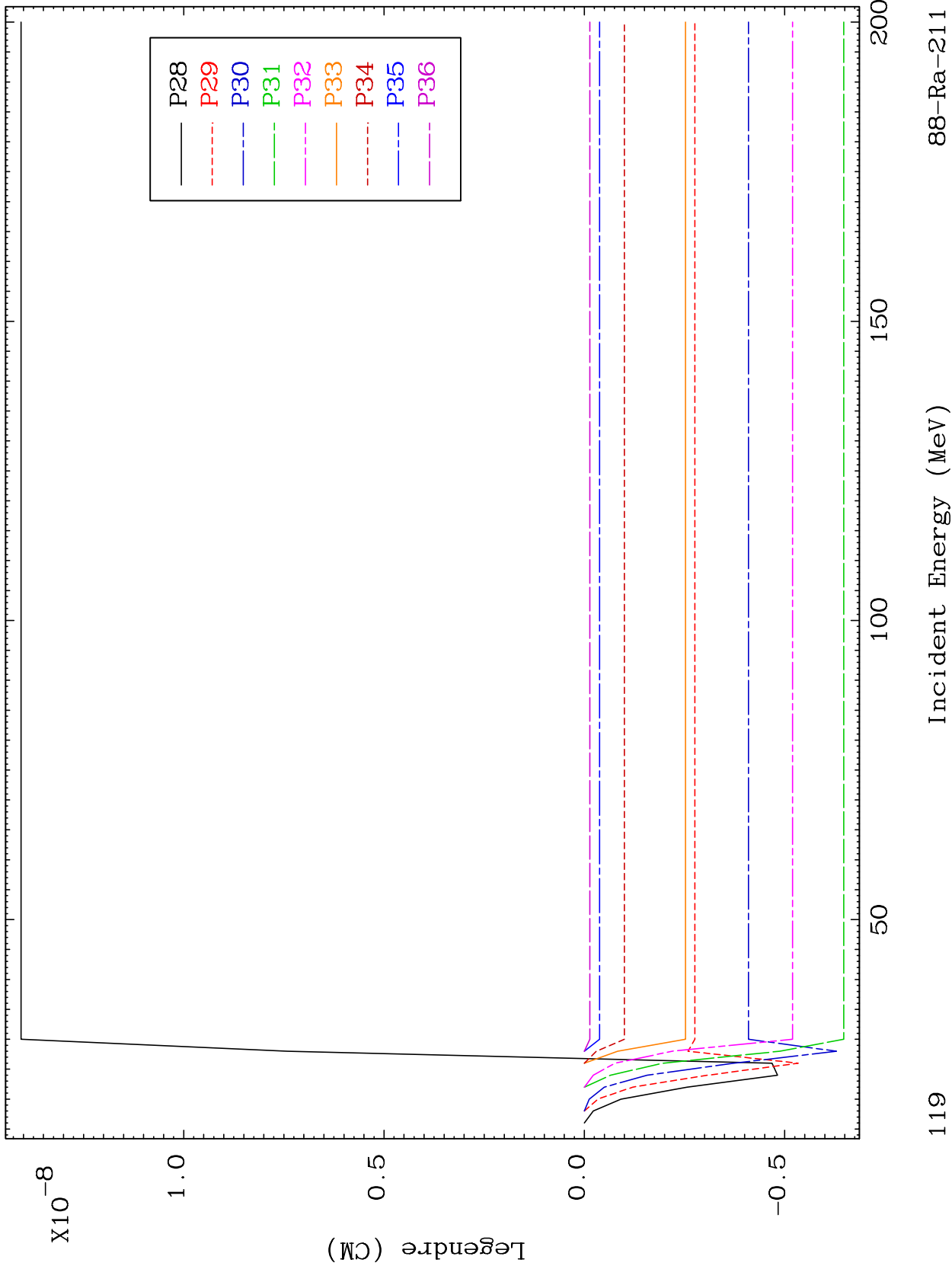
88-Ra-211

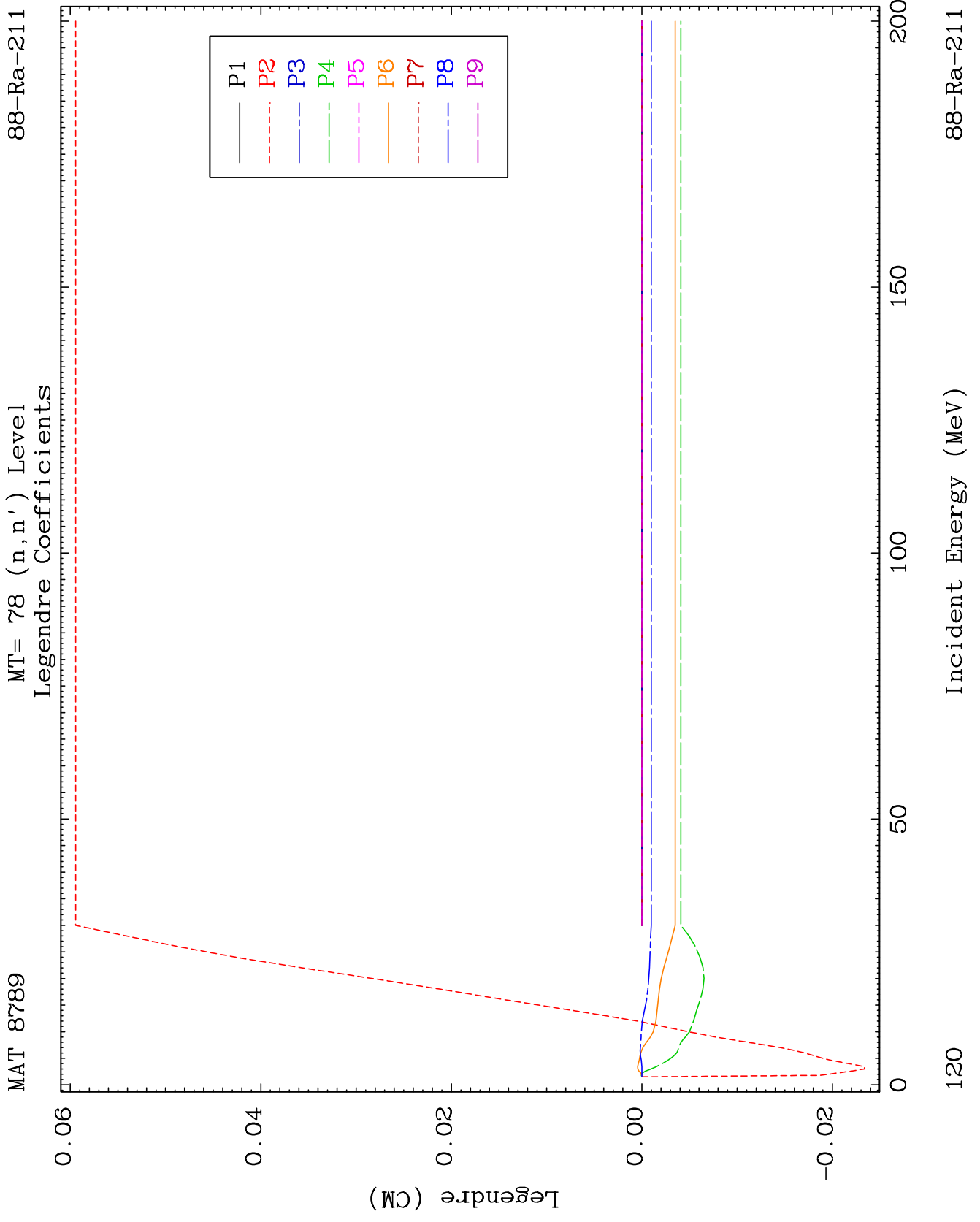
MAT 8789

MT= 77 (n,n') Level
Legendre Coefficients

88-Ra-211



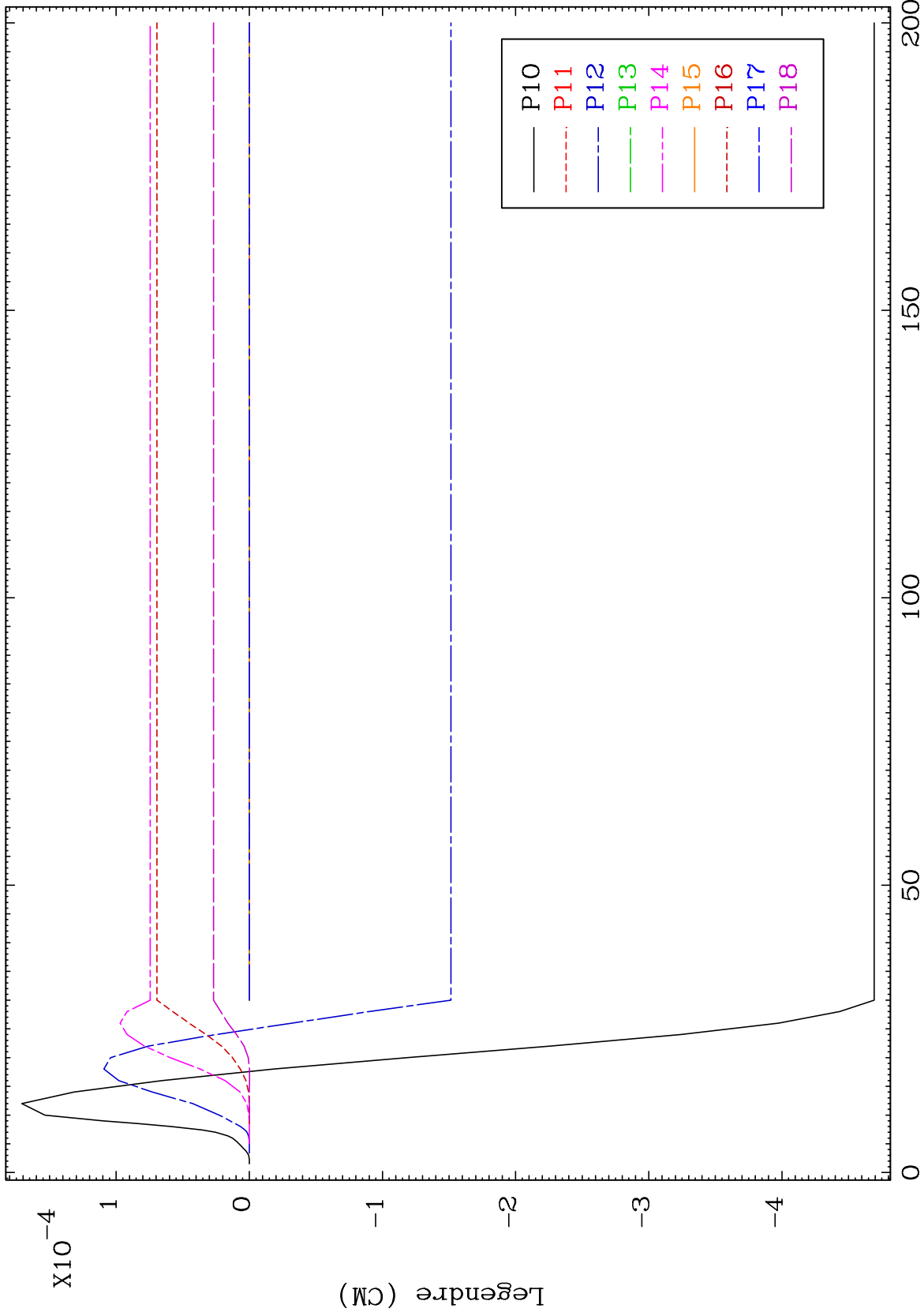




MAT 8789

MT= 78 (n,n') Level
Legendre Coefficients

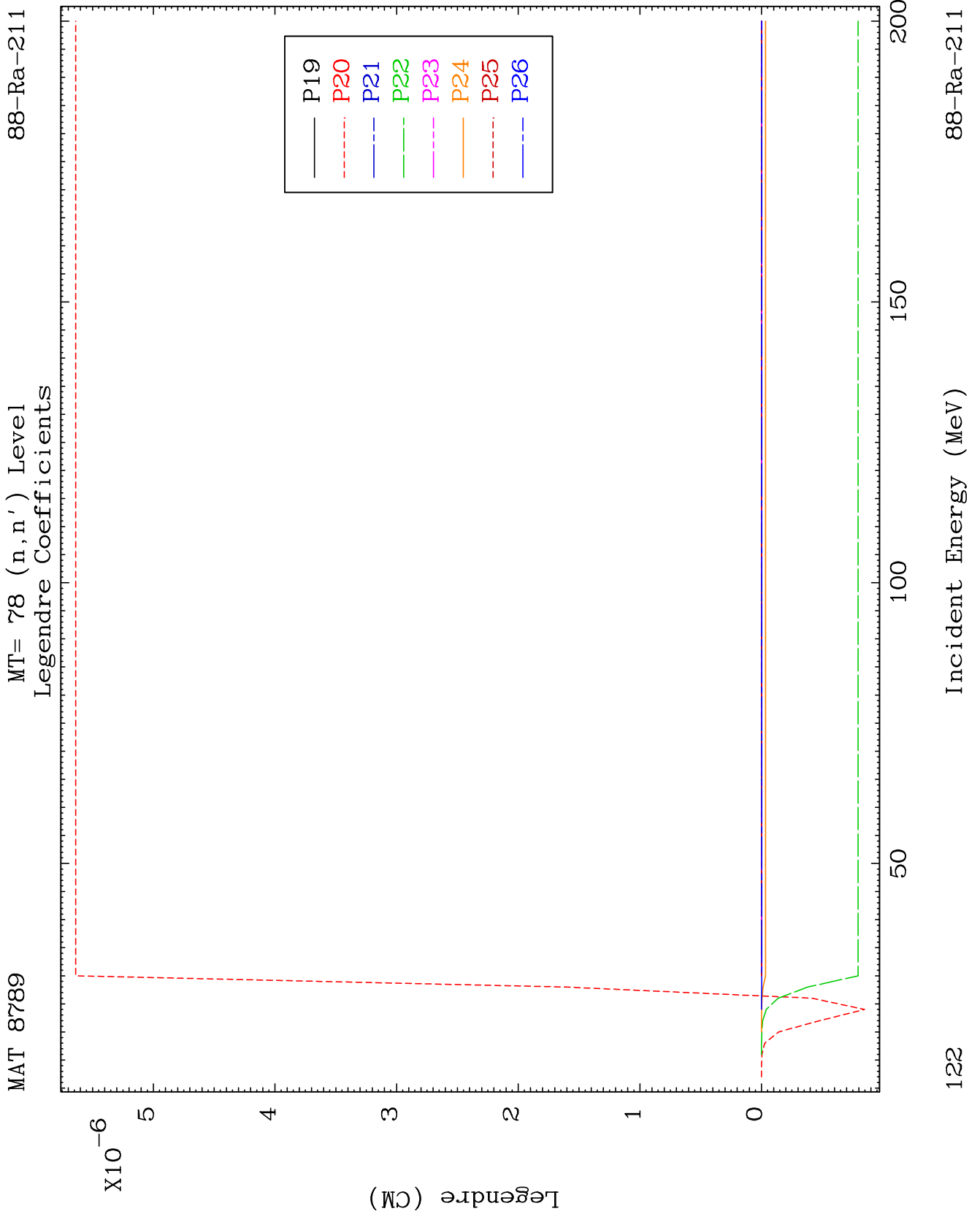
88-Ra-211



121

Incident Energy (MeV)

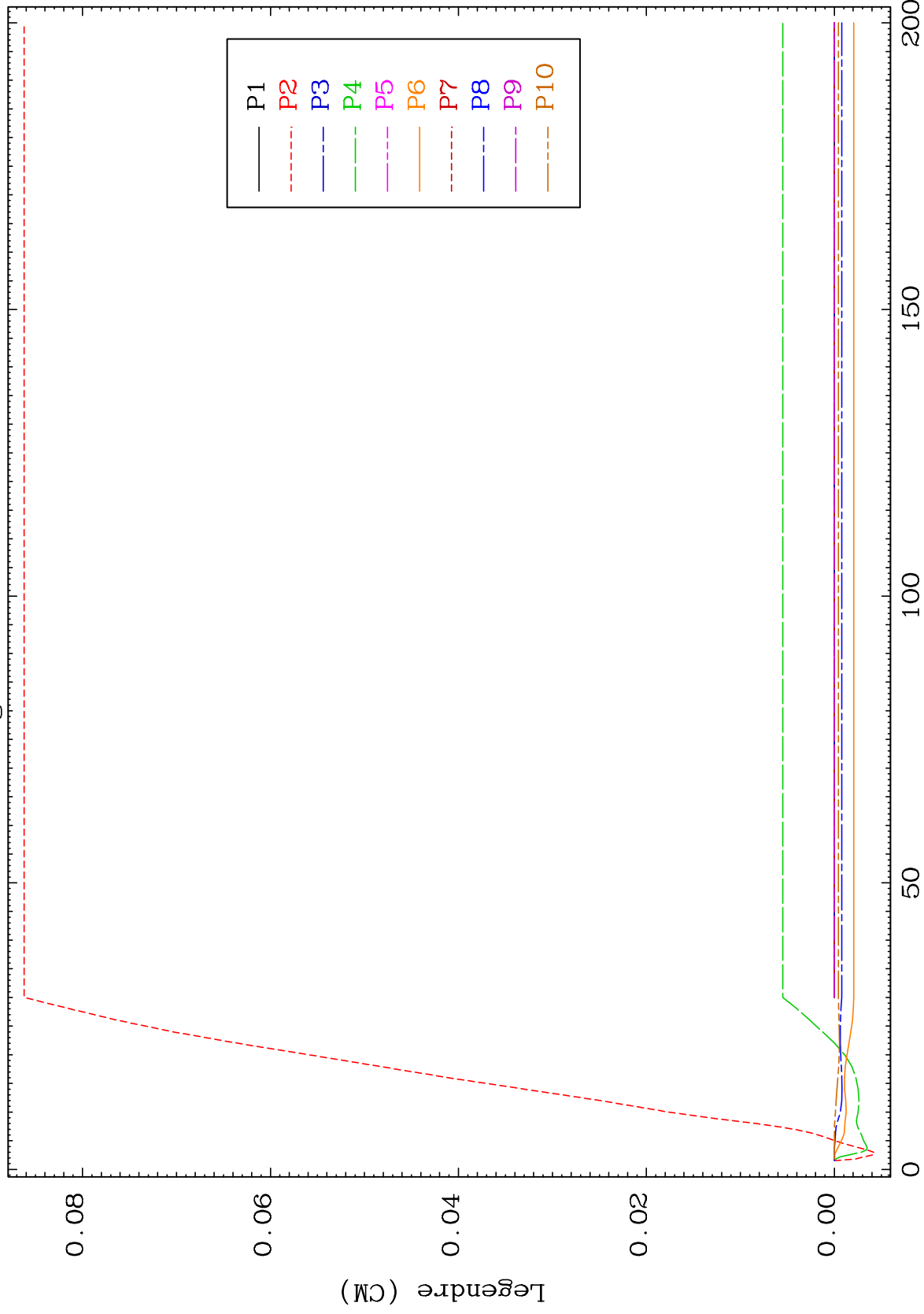
88-Ra-211



MAT 8789

MT= 79 (n,n') Level
Legendre Coefficients

88-Ra-211



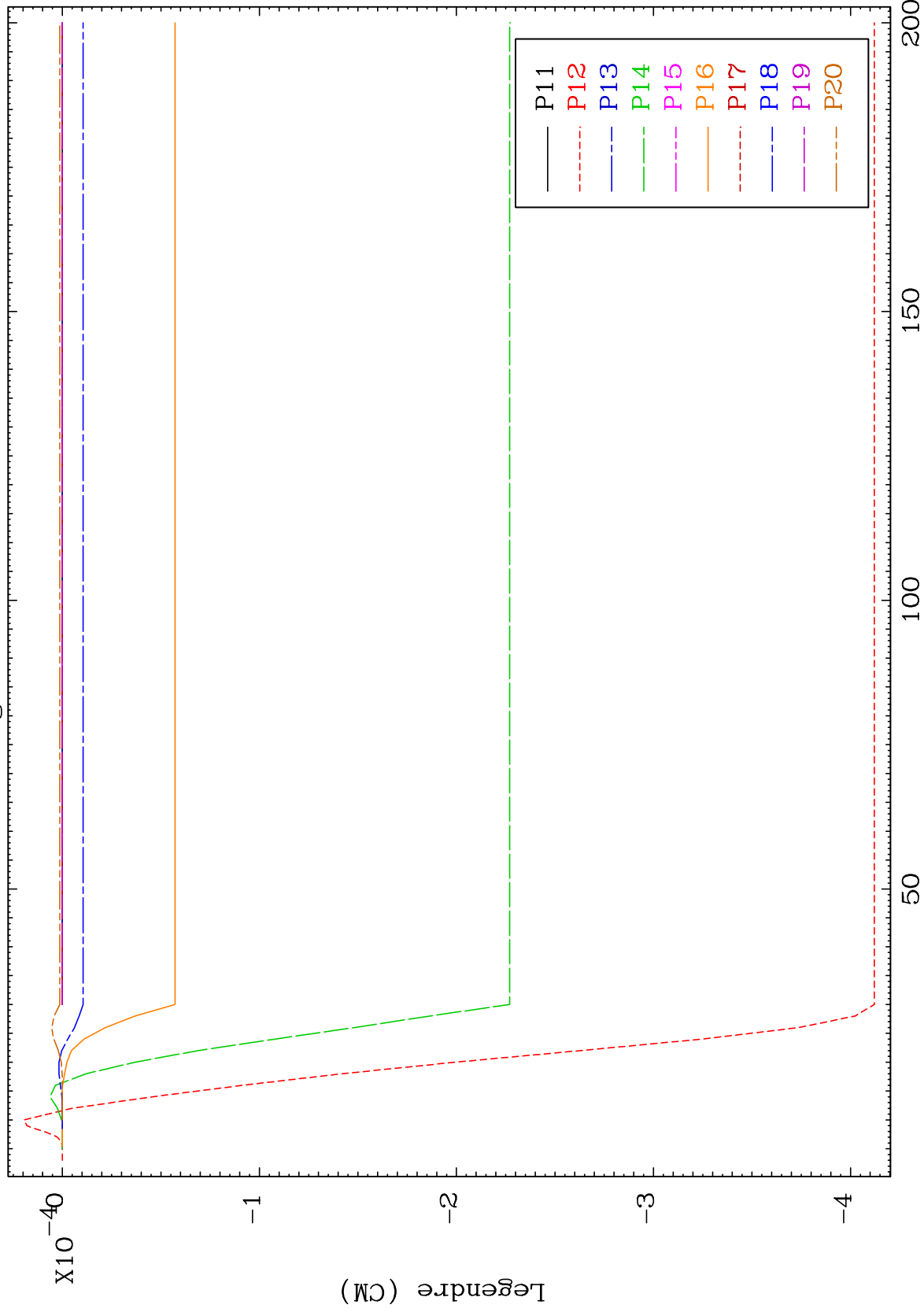
123

88-Ra-211

MAT 8789

MT= 79 (n,n') Level
Legendre Coefficients

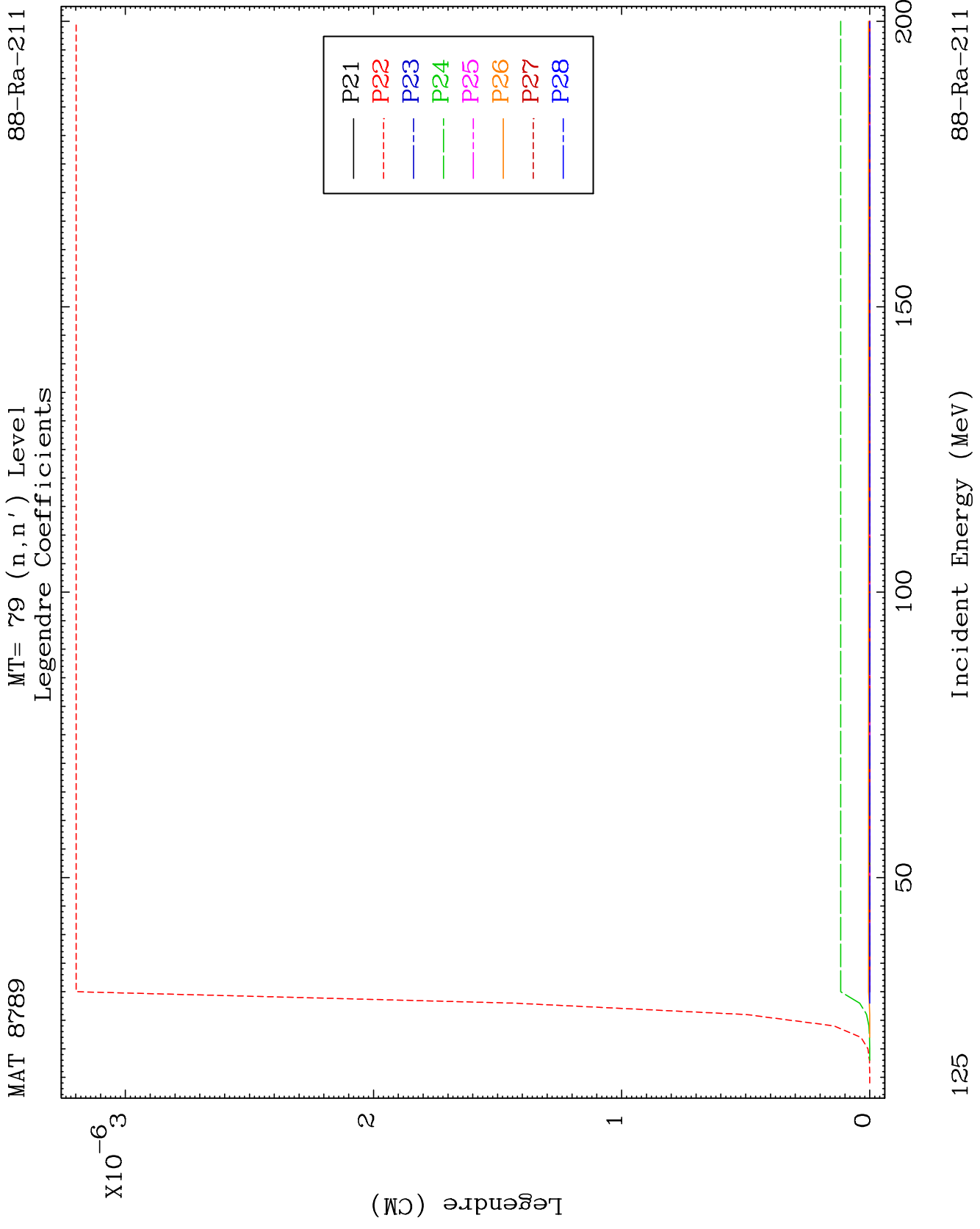
88-Ra-211

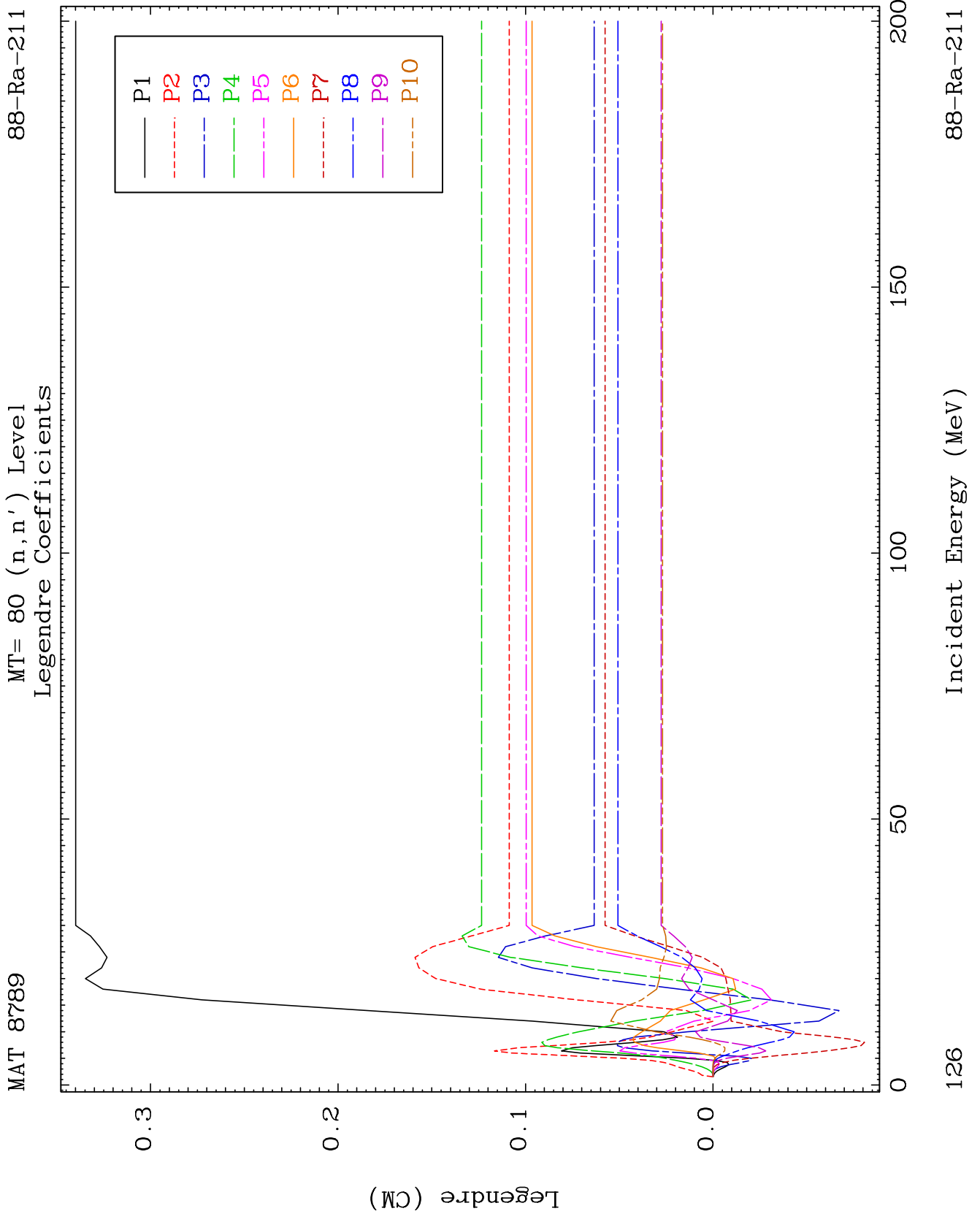


124

Incident Energy (MeV)

88-Ra-211

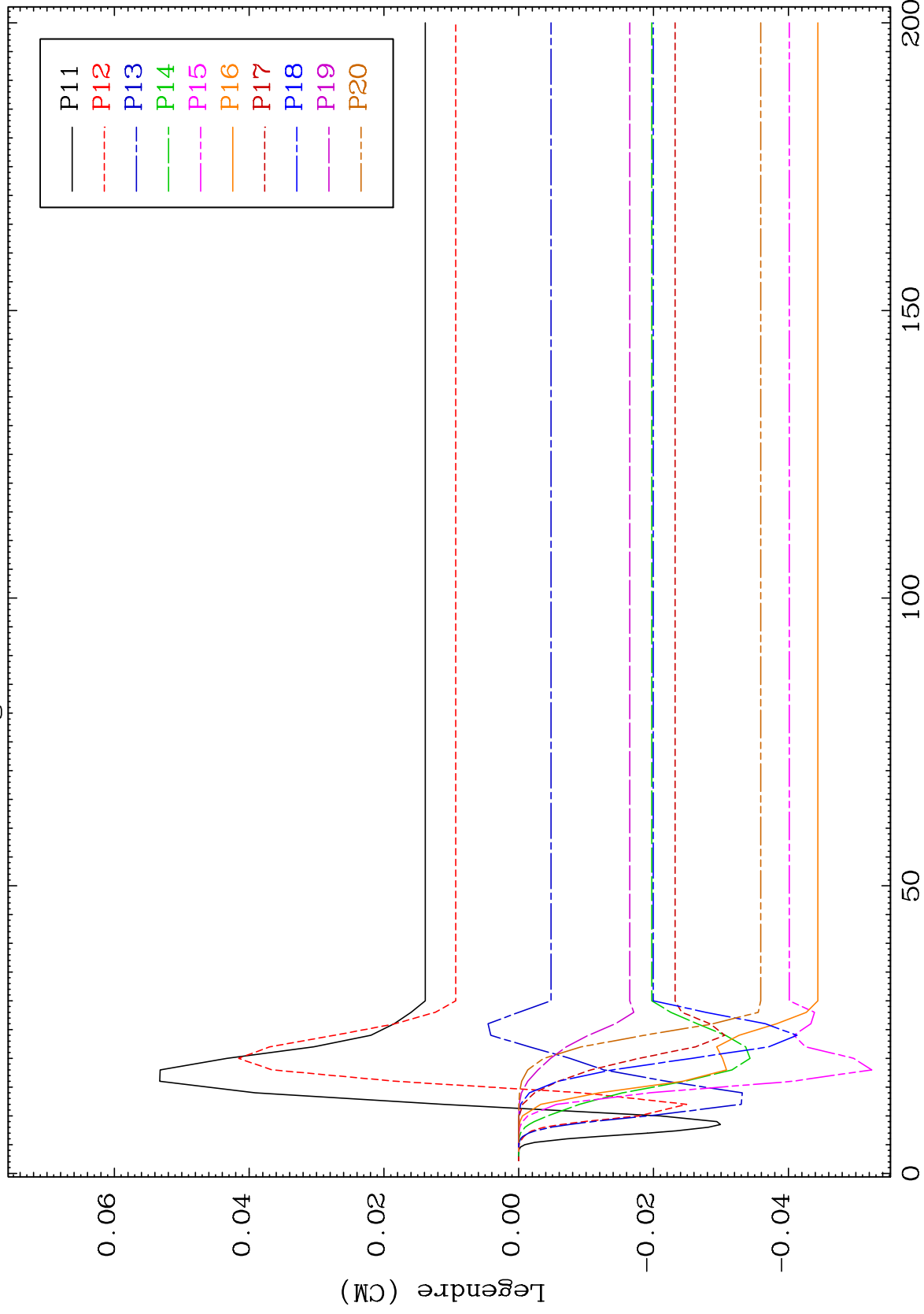




MAT 8789

MT= 80 (n,n') Level
Legendre Coefficients

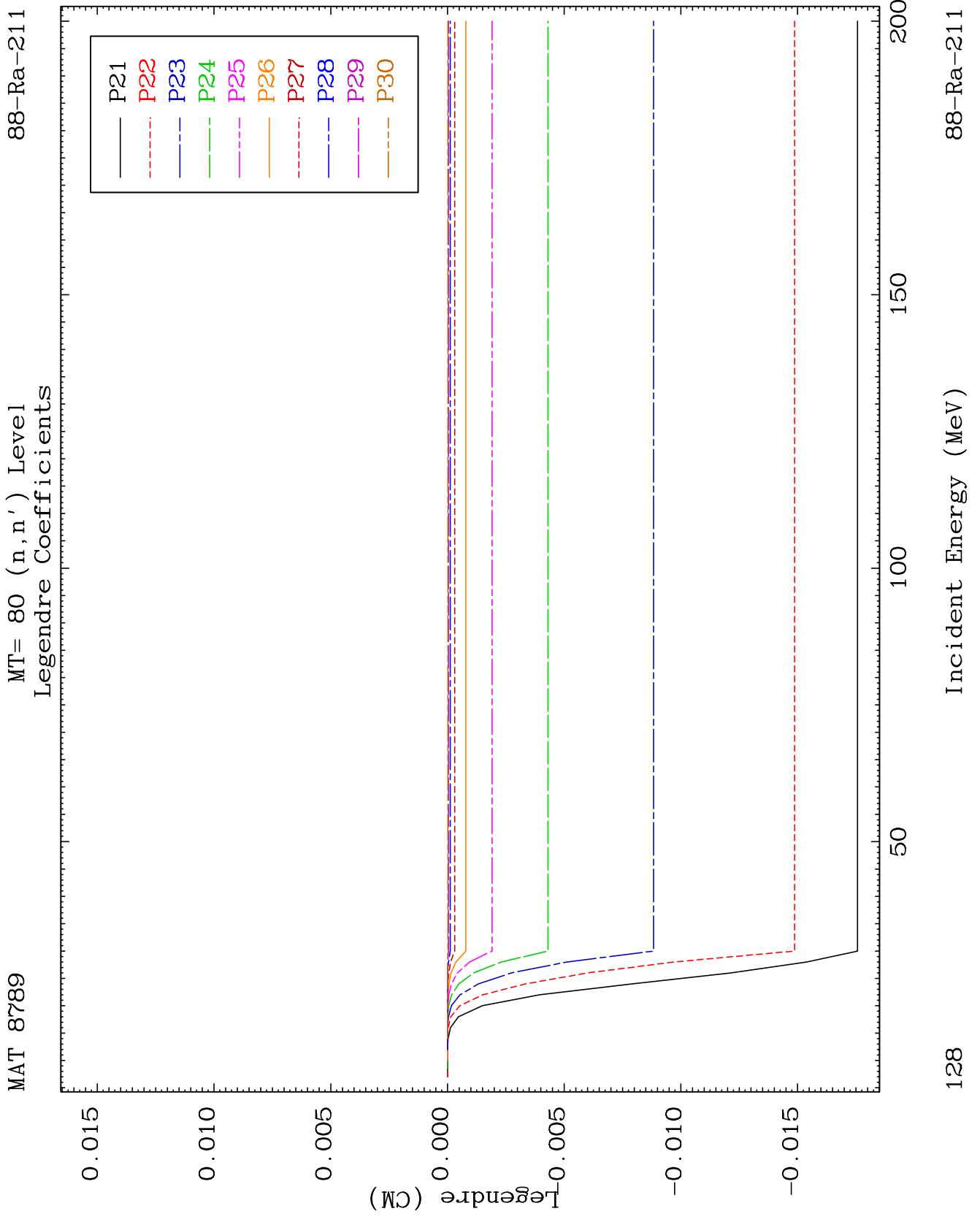
88-Ra-211

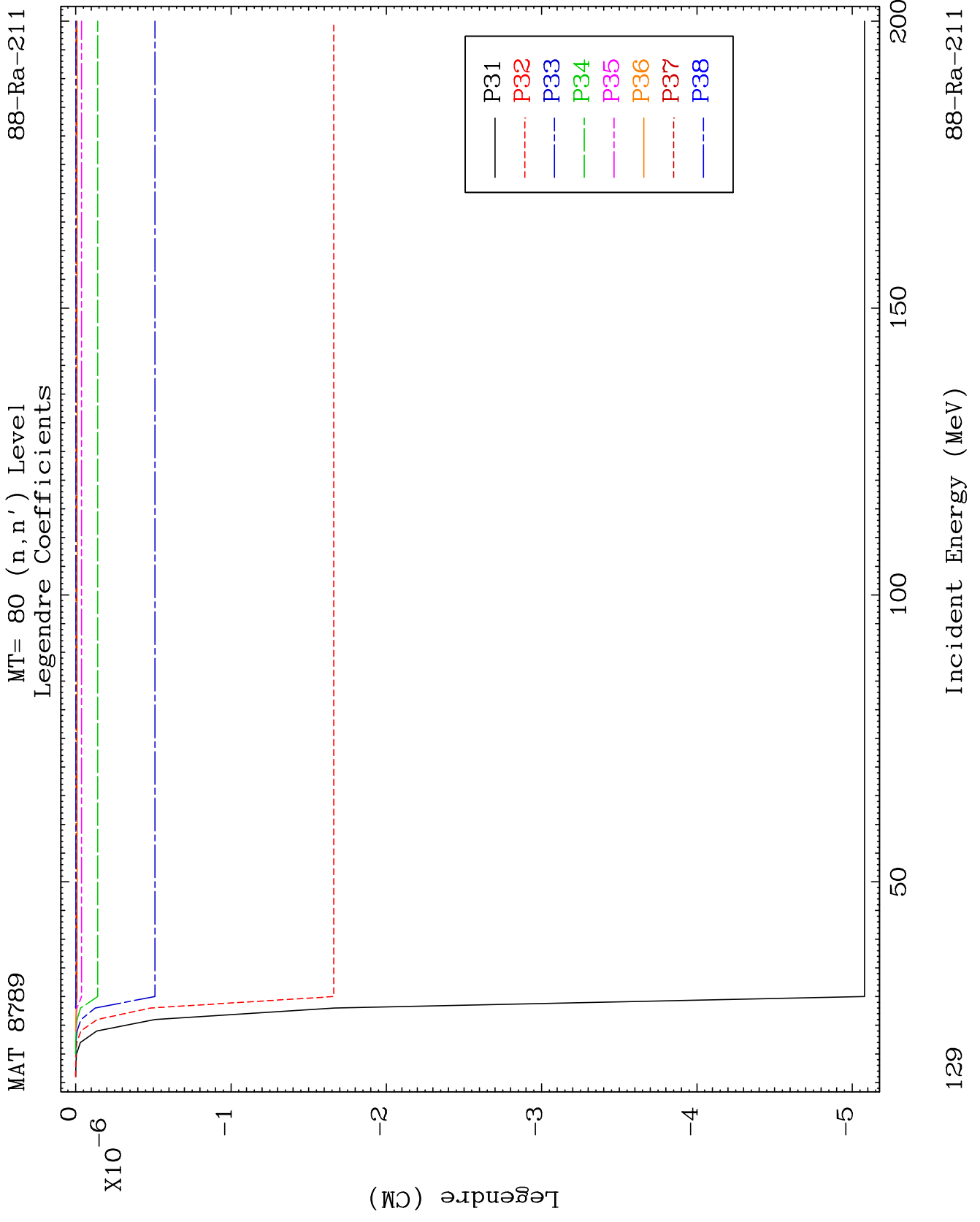


127

Incident Energy (MeV)

88-Ra-211



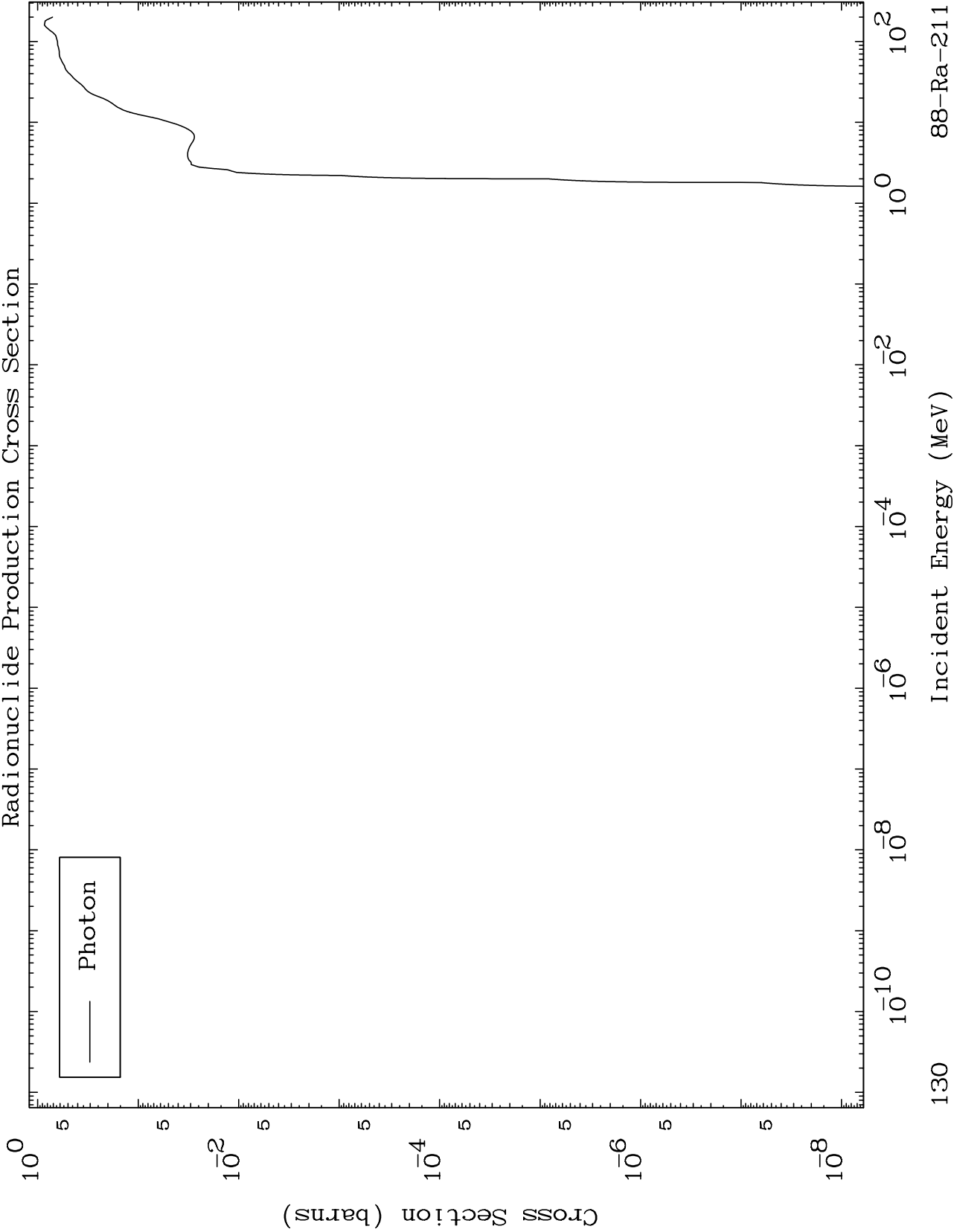


MAT 8789

Fission

88-Ra-211

Radionuclide Production Cross Section



130

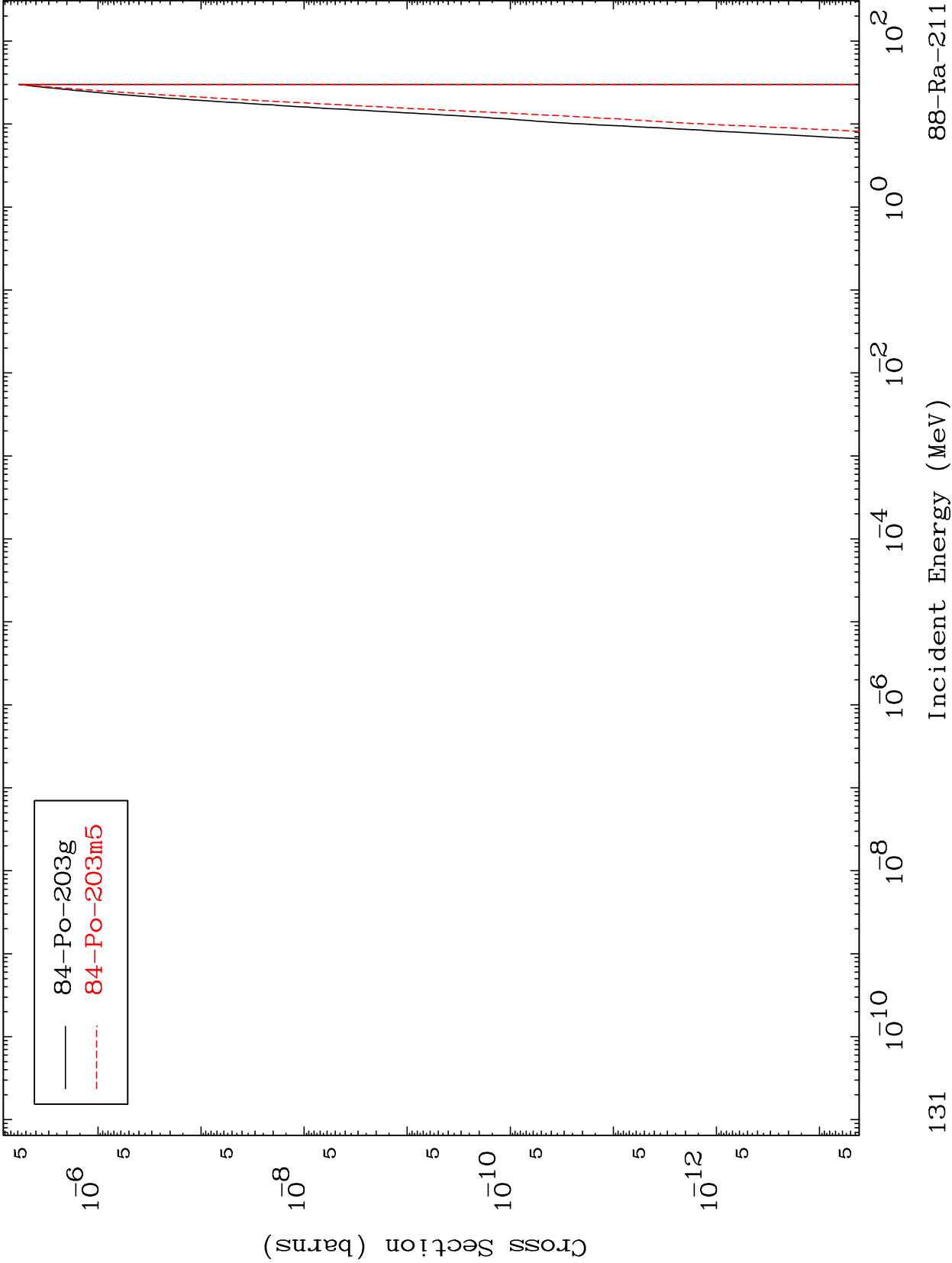
88-Ra-211

MAT 8789

(n,n') 2 α

88-Ra-211

Radionuclide Production Cross Section



131

Incident Energy (MeV)

88-Ra-211