

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

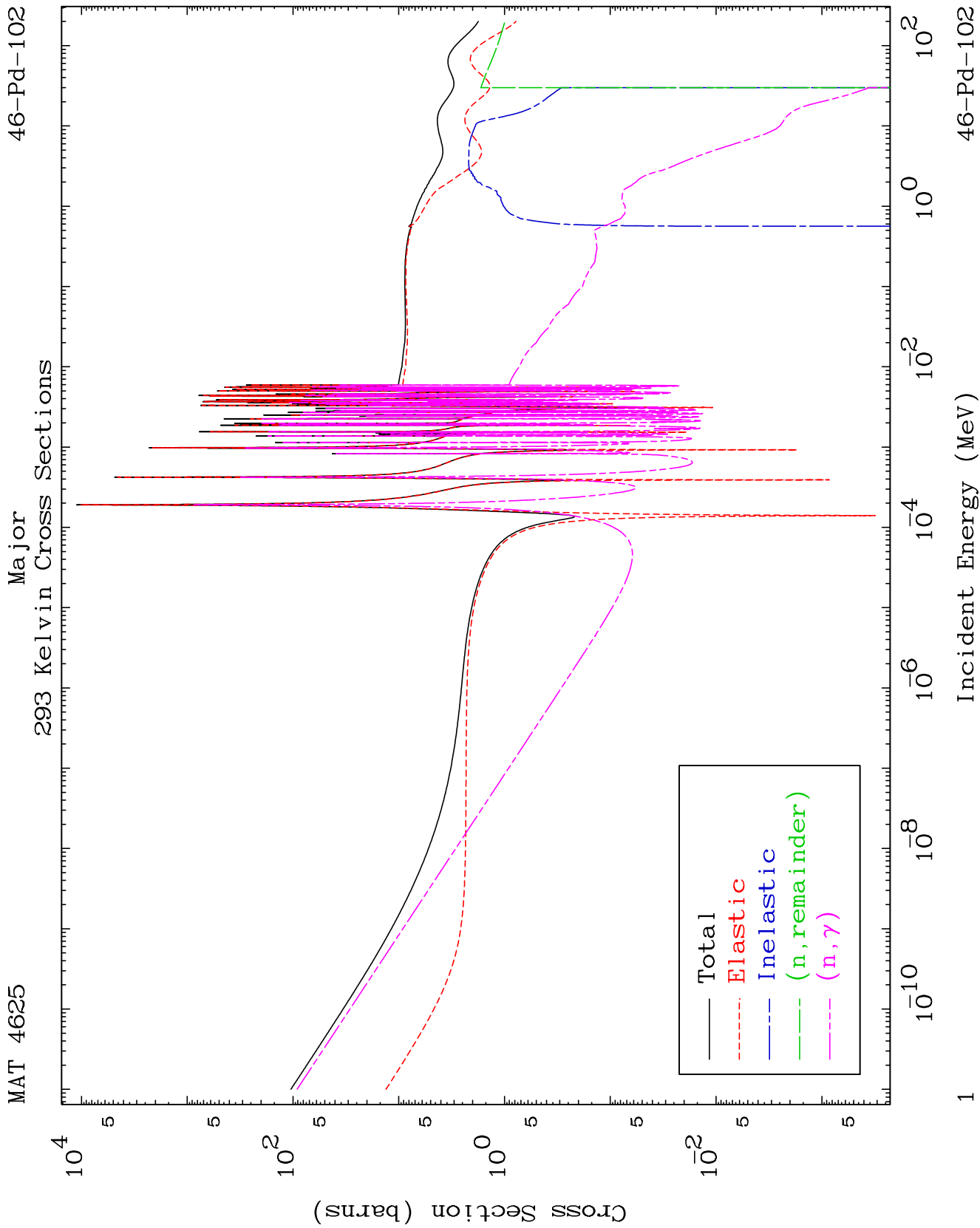
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E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

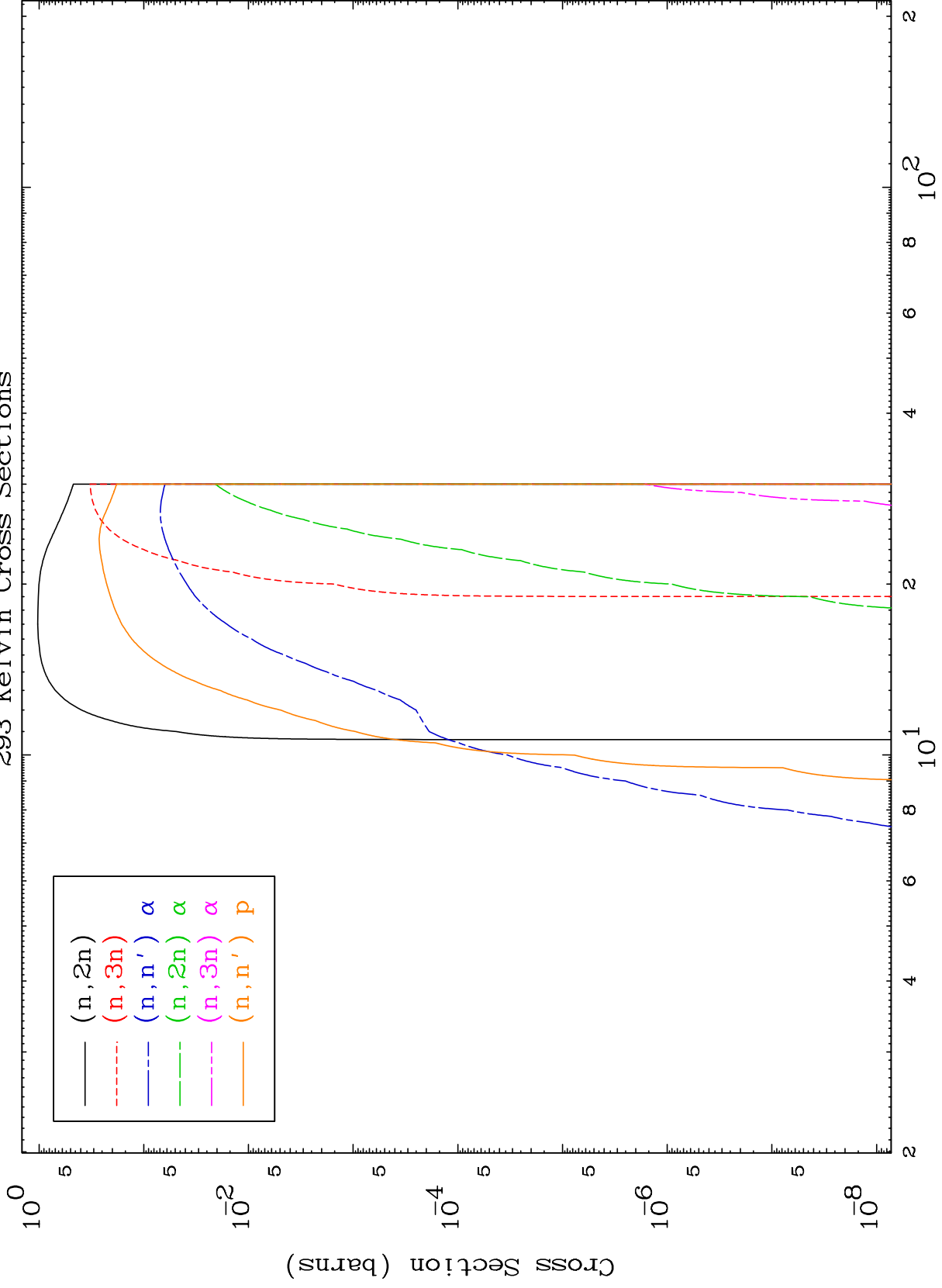
Press Mouse Button to Start



MAT 4625

Neutron Production  
293 Kelvin Cross Sections

46-Pd-102



2

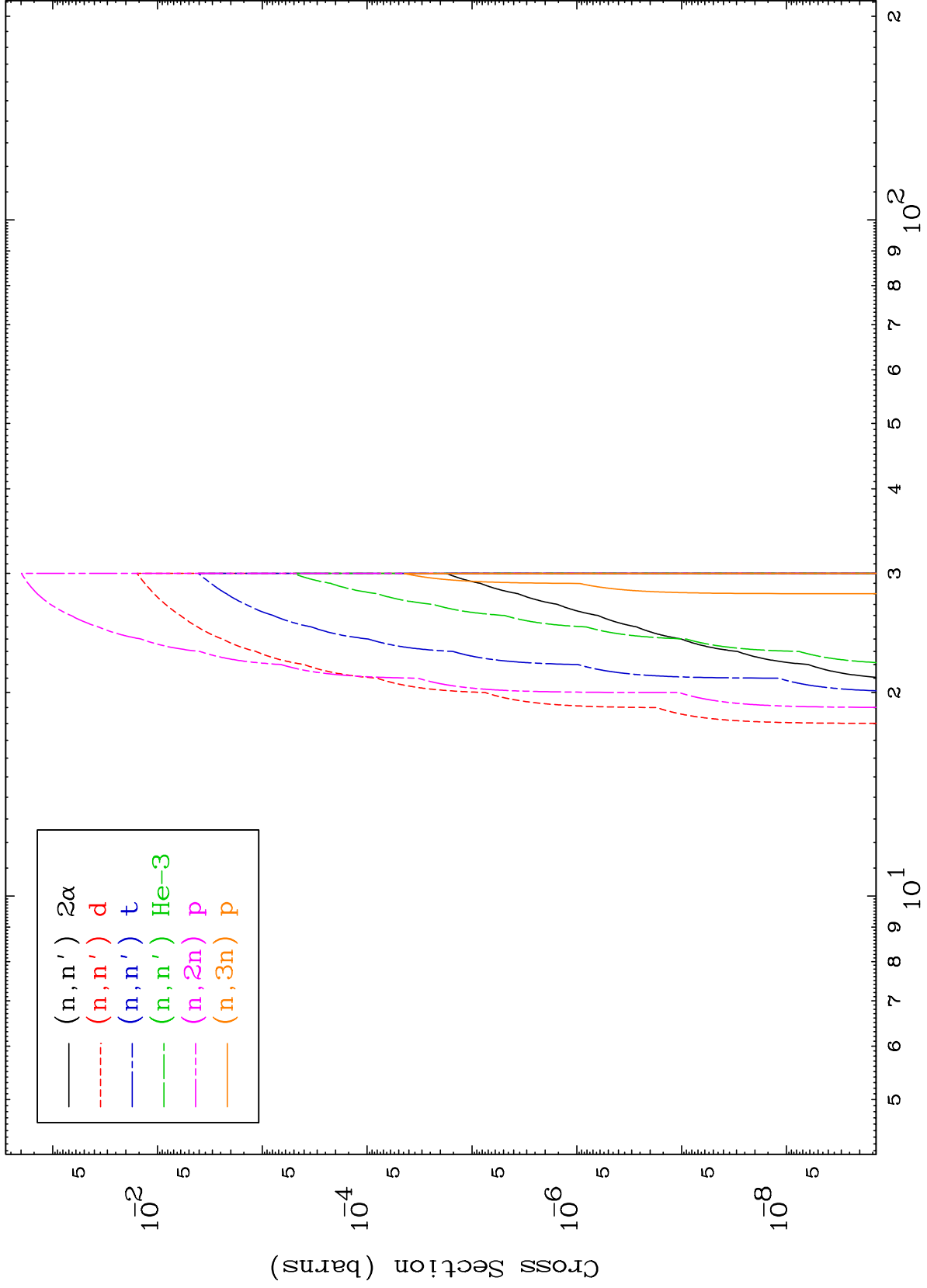
Incident Energy (MeV)

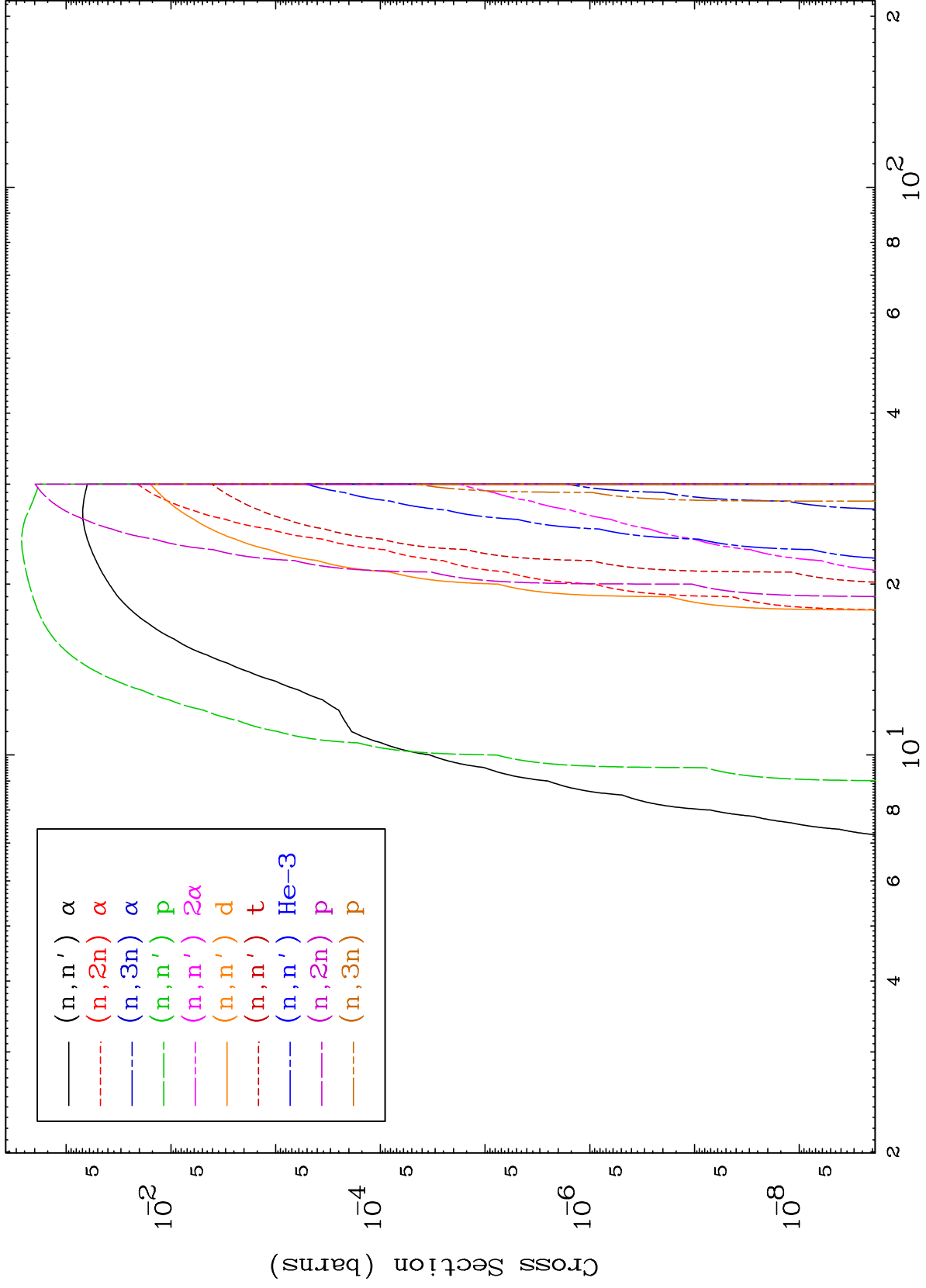
46-Pd-102

MAT 4625

Neutron Production  
293 Kelvin Cross Sections

46-Pd-102

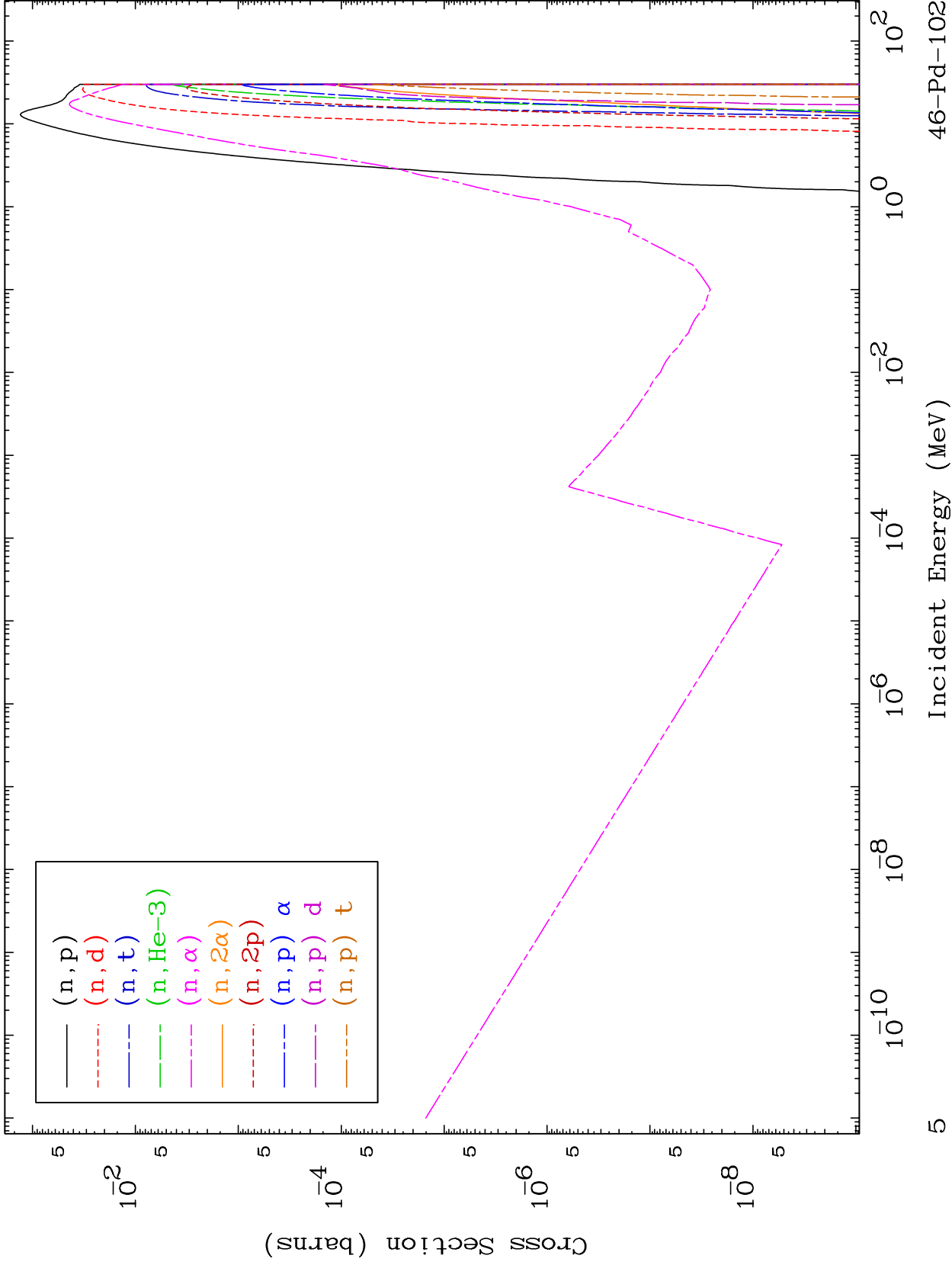




MAT 4625

Charged Particle  
293 Kelvin Cross Sections

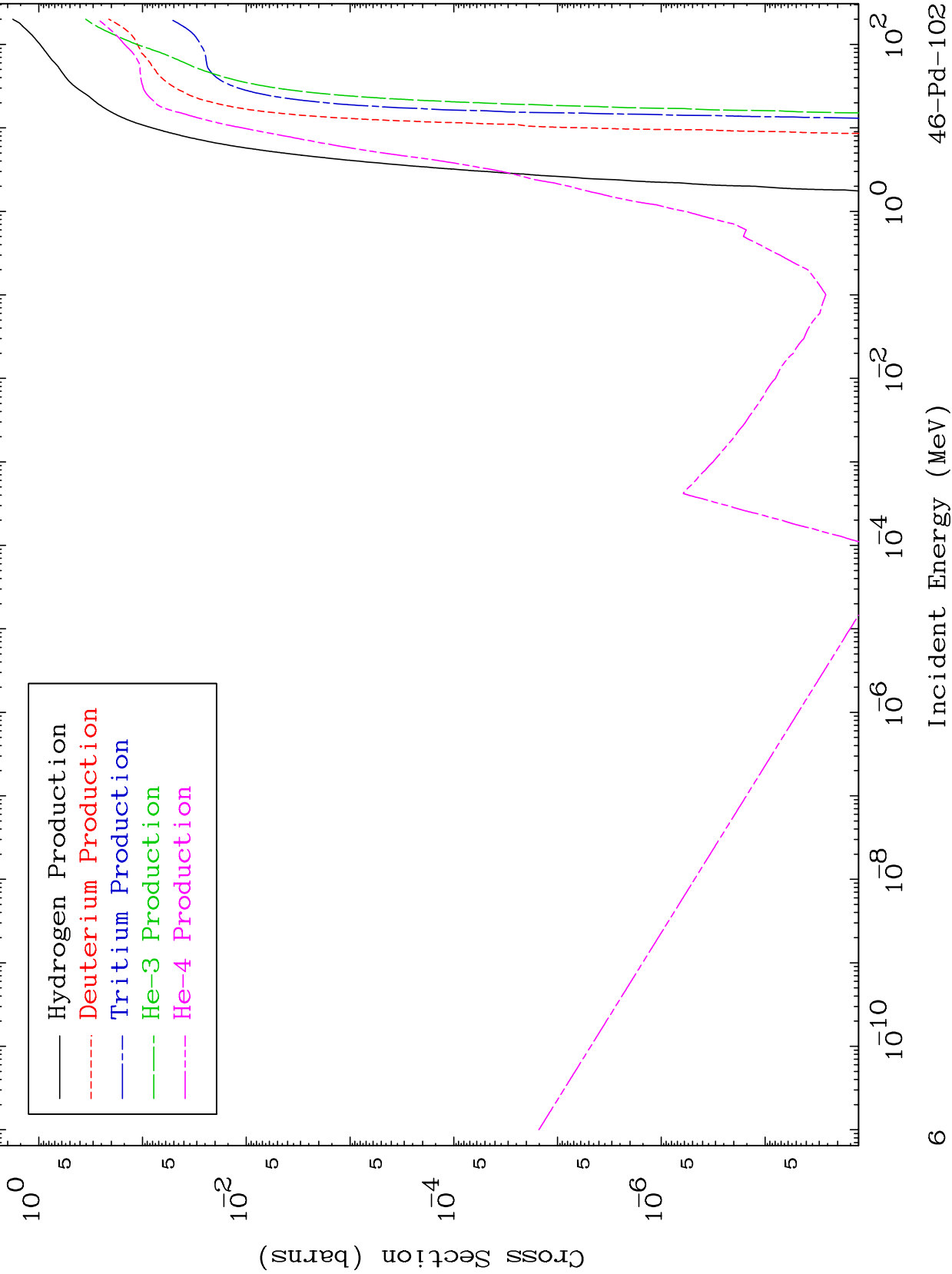
46-Pd-102



MAT 4625

Particle Production  
293 Kelvin Cross Sections

46-Pd-102

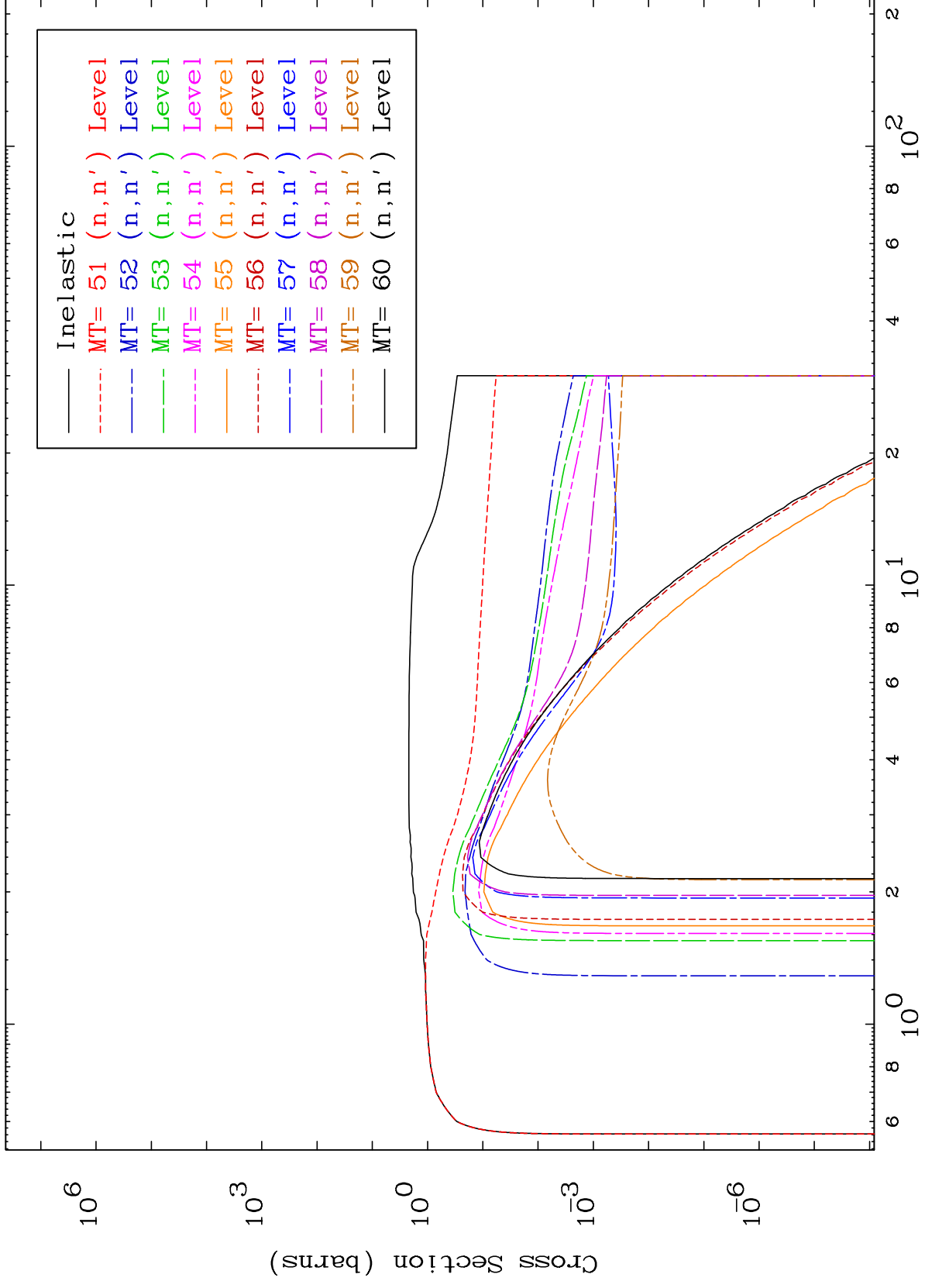


MAT 4625

(n,n') Level

46-Pd-102

293 Kelvin Cross Sections



7

Incident Energy (MeV)

46-Pd-102

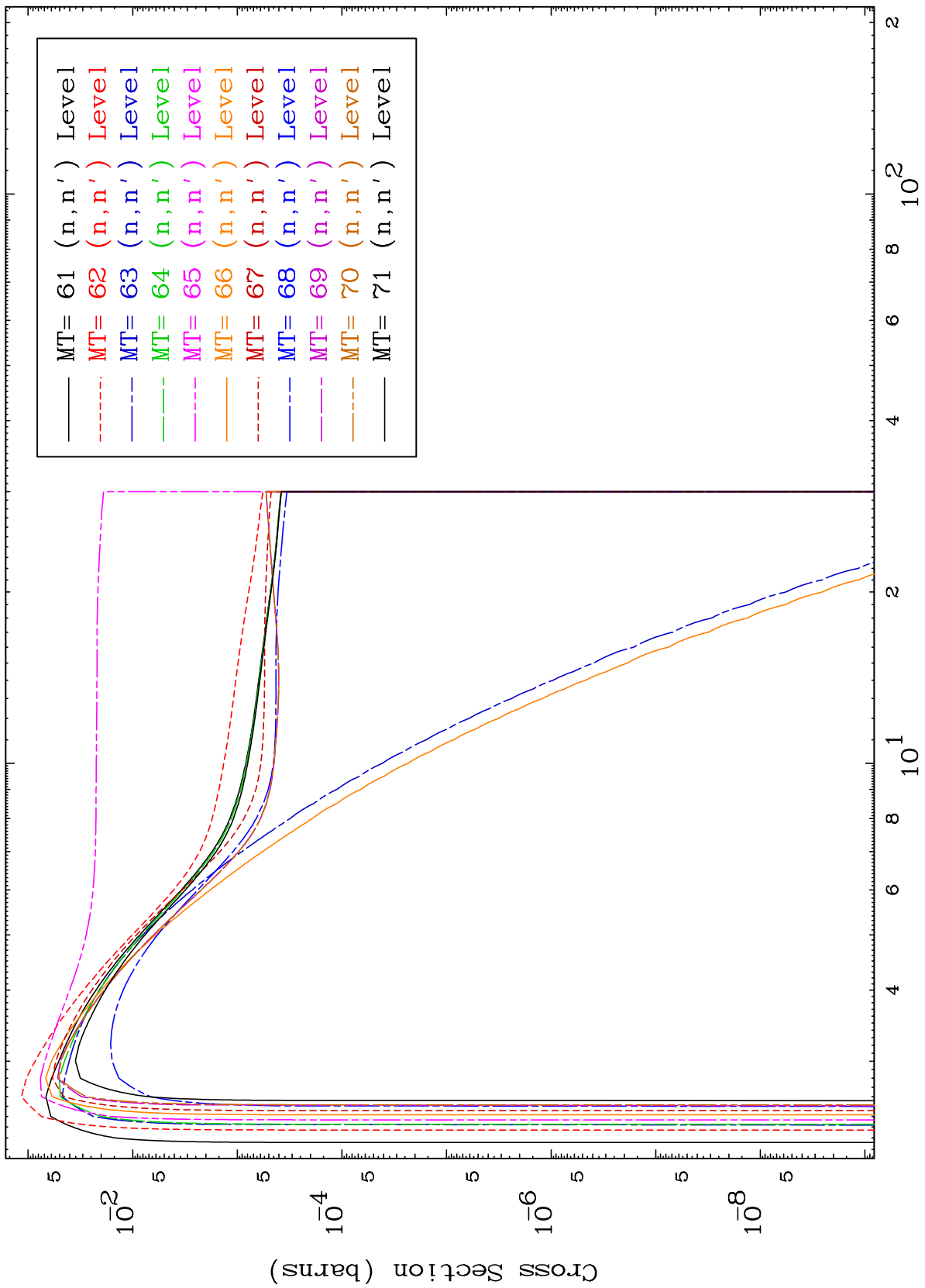


MAT 4625

(n,n') Level

293 Kelvin Cross Sections

46-Pd-102



8

Incident Energy (MeV)

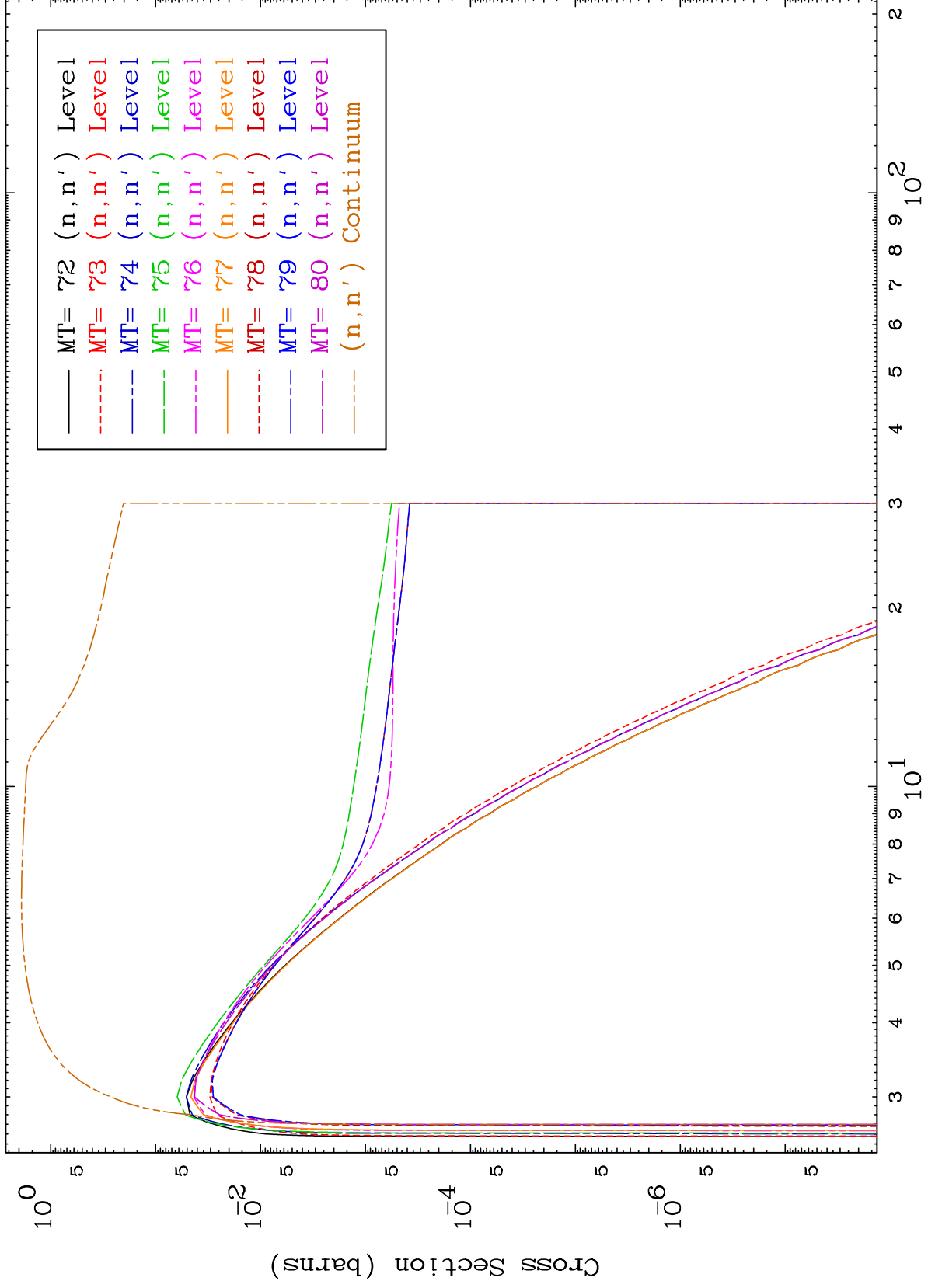
46-Pd-102

MAT 4625

(n,n') Level

46-Pd-102

293 Kelvin Cross Sections



9

Incident Energy (MeV)

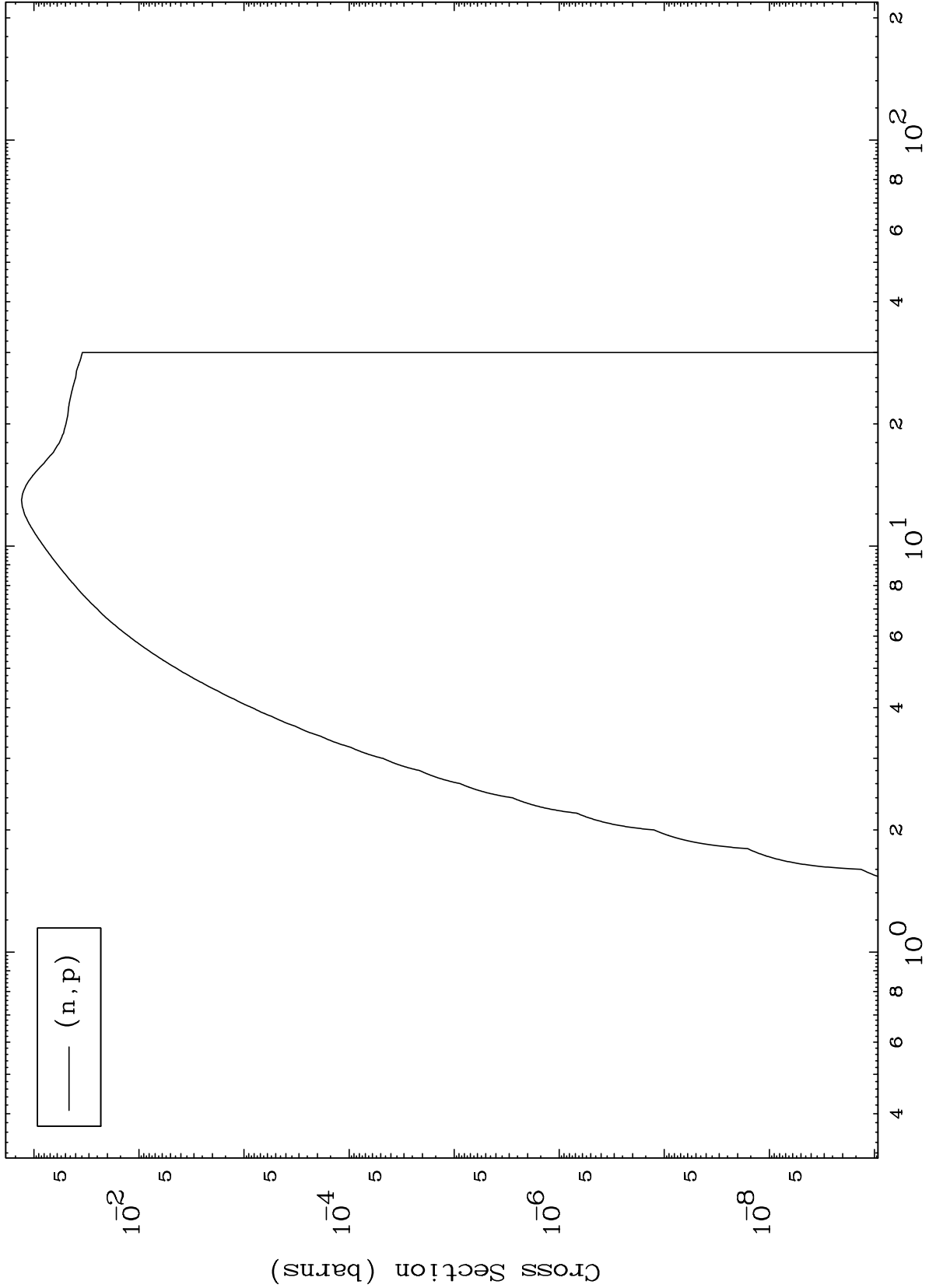
46-Pd-102

MAT 4625

(n,p) Levels

46-Pd-102

293 Kelvin Cross Sections



10

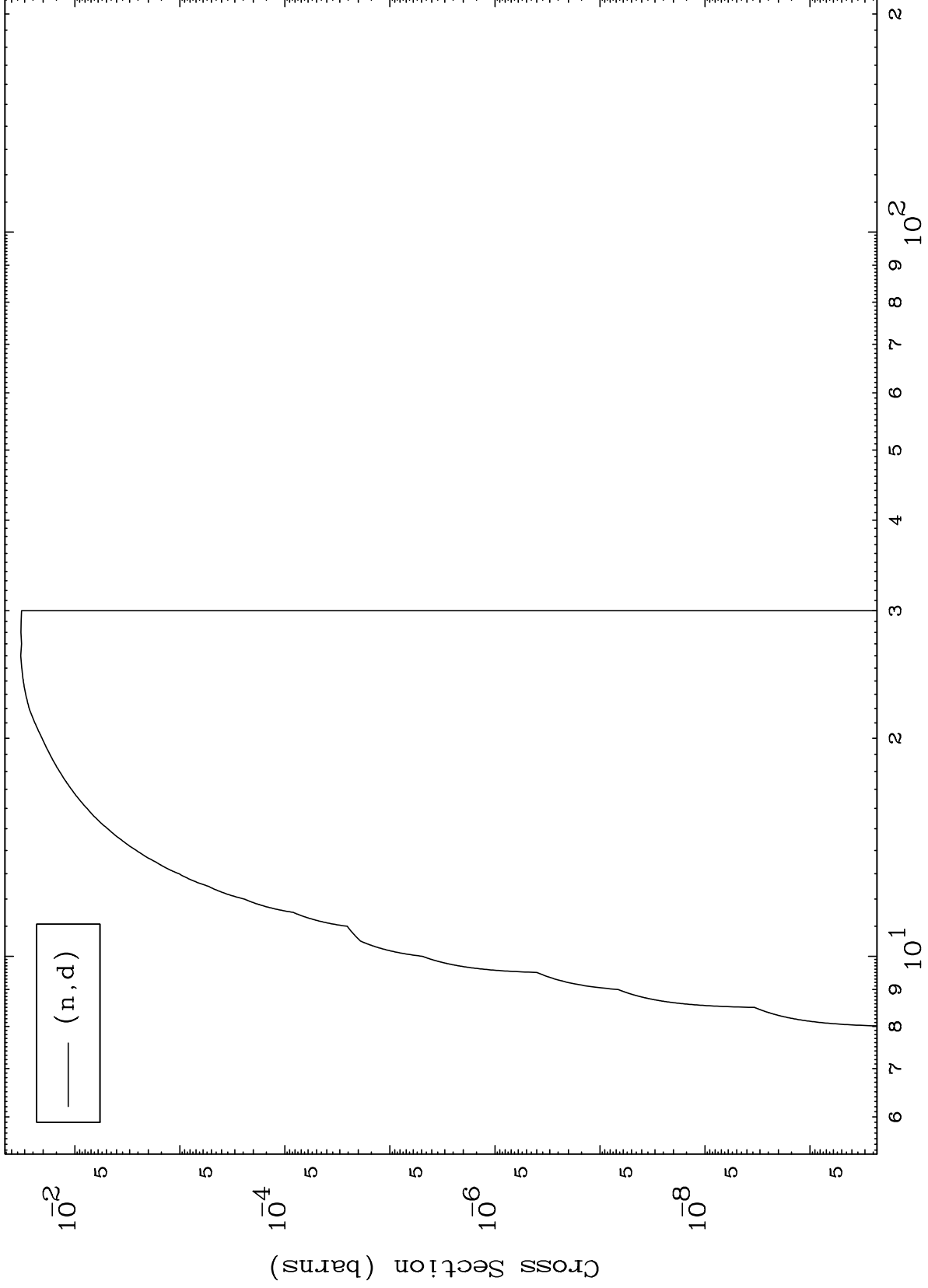
Incident Energy (MeV)

46-Pd-102

MAT 4625

(n,d) Levels  
293 Kelvin Cross Sections

46-Pd-102



11

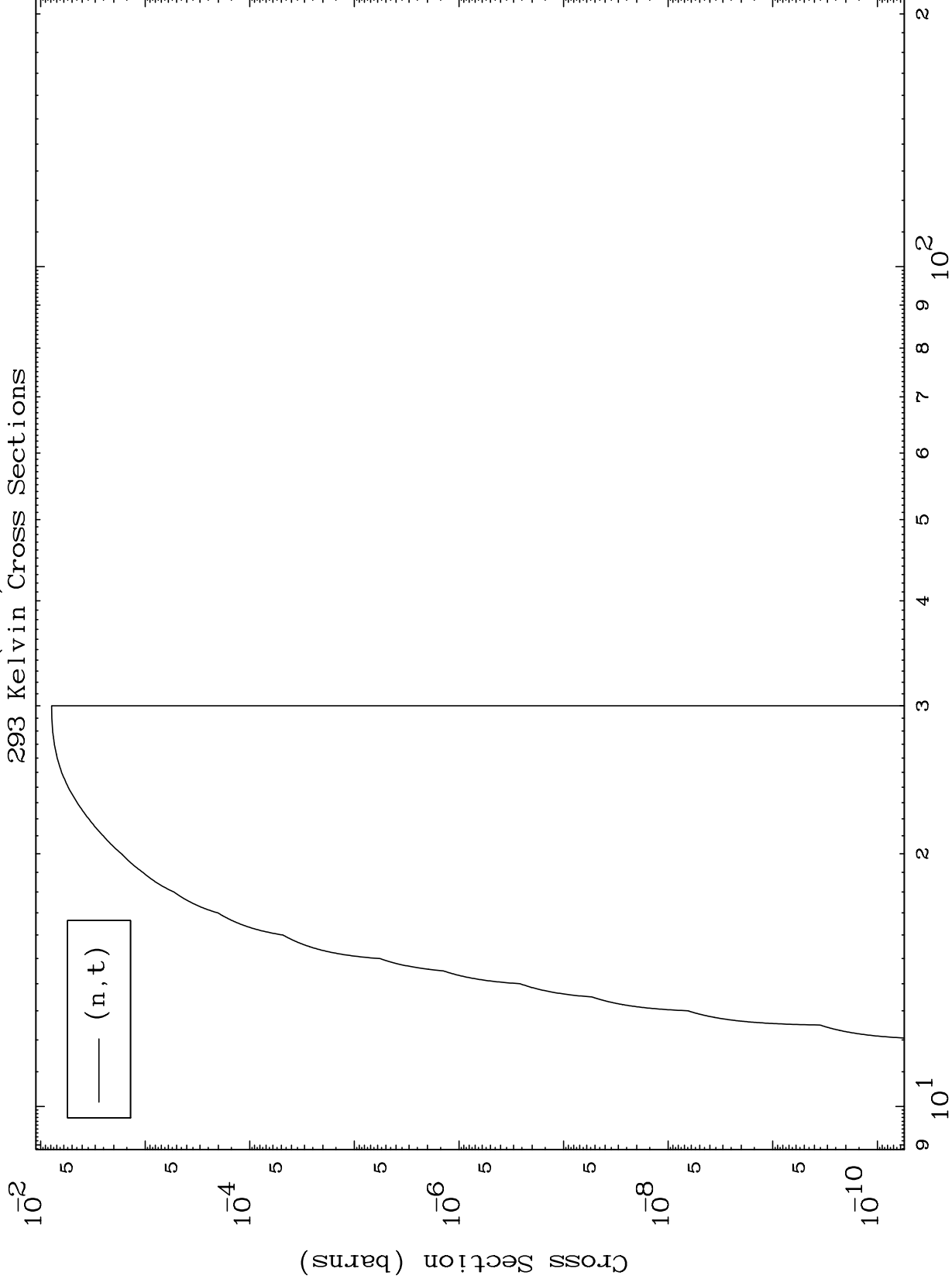
Incident Energy (MeV)

46-Pd-102

MAT 4625

(n,t) Levels  
293 Kelvin Cross Sections

46-Pd-102



12

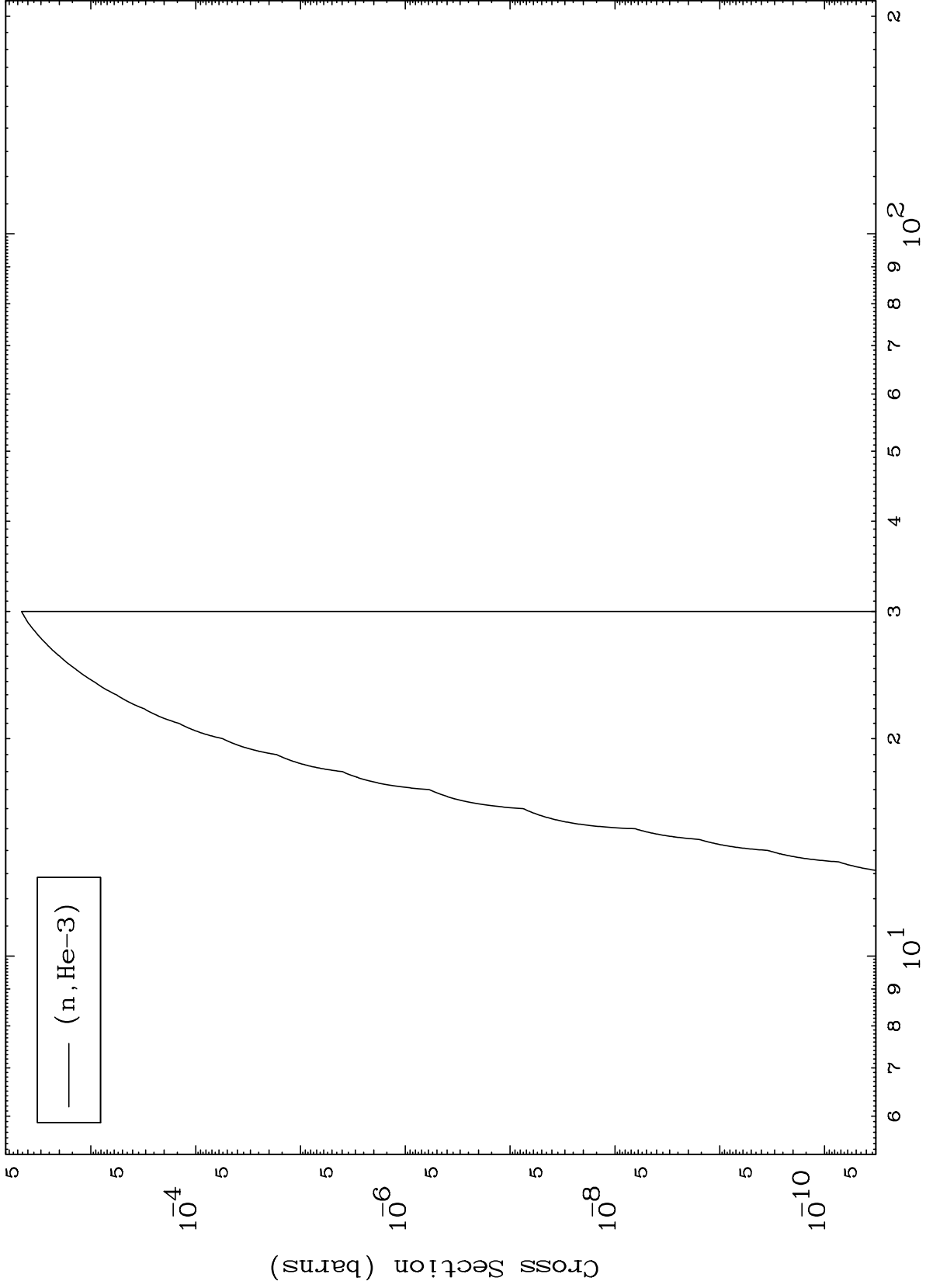
Incident Energy (MeV)

46-Pd-102

MAT 4625

(n,He3) Levels  
293 Kelvin Cross Sections

46-Pd-102



13

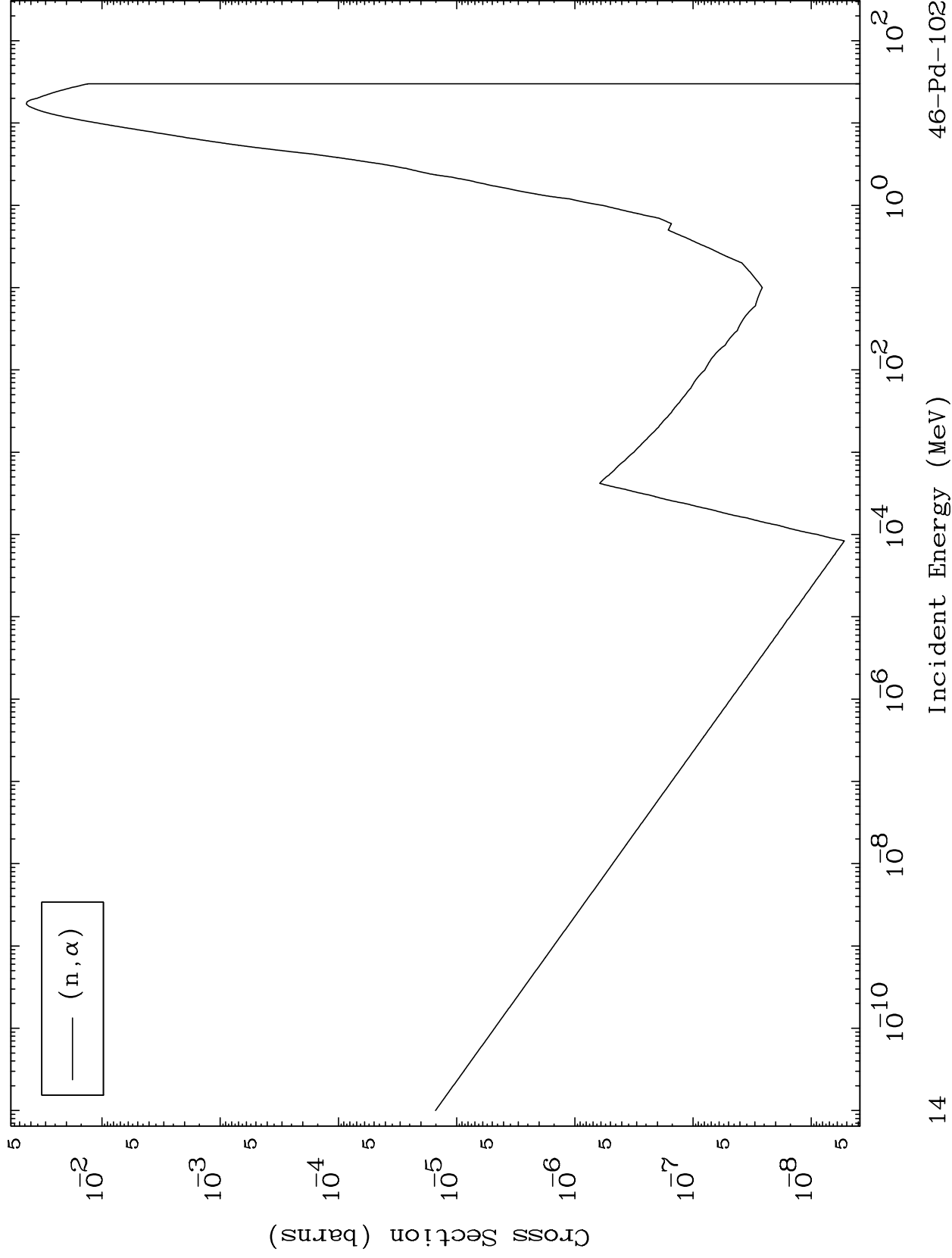
Incident Energy (MeV)

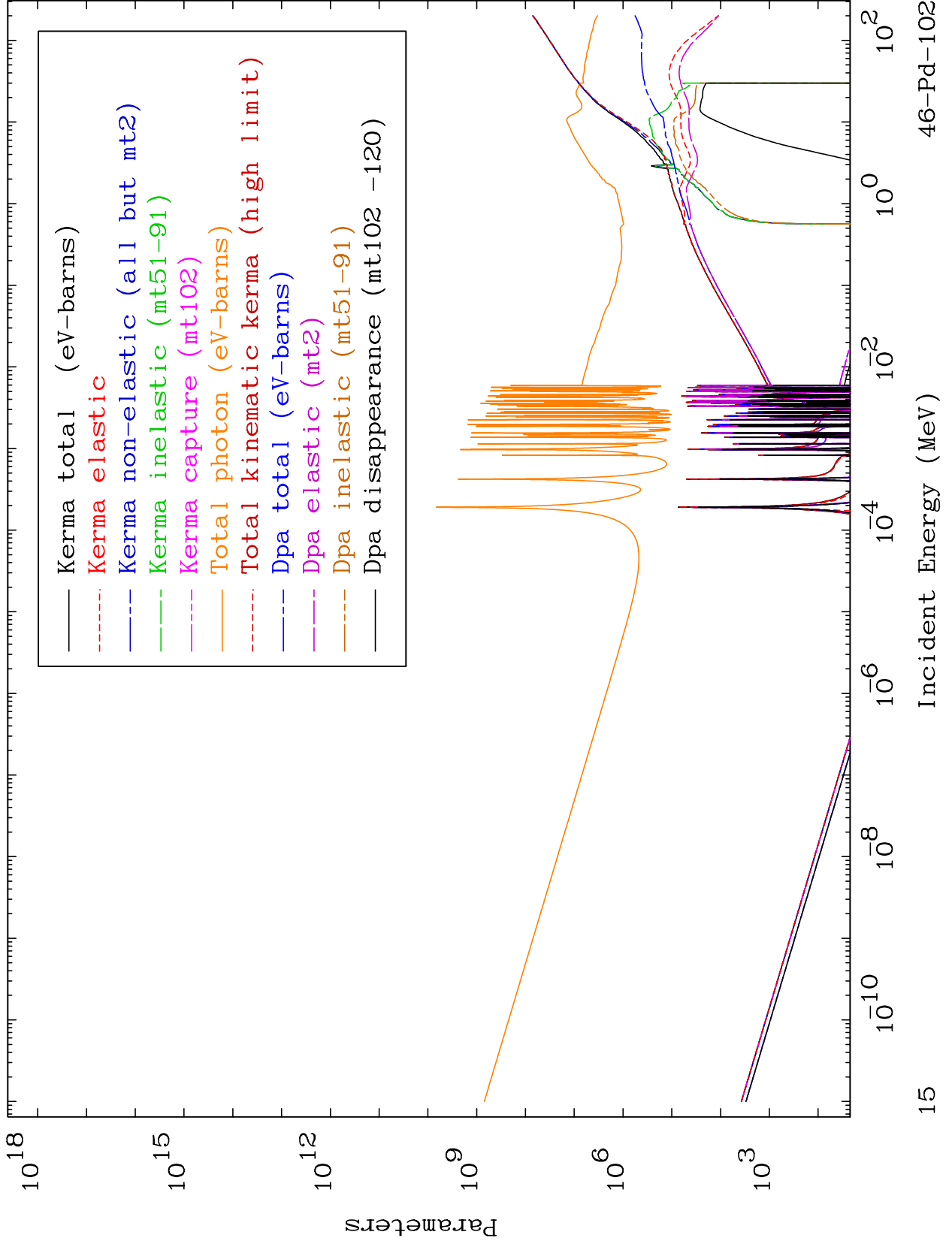
46-Pd-102

MAT 4625

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

46-Pd-102



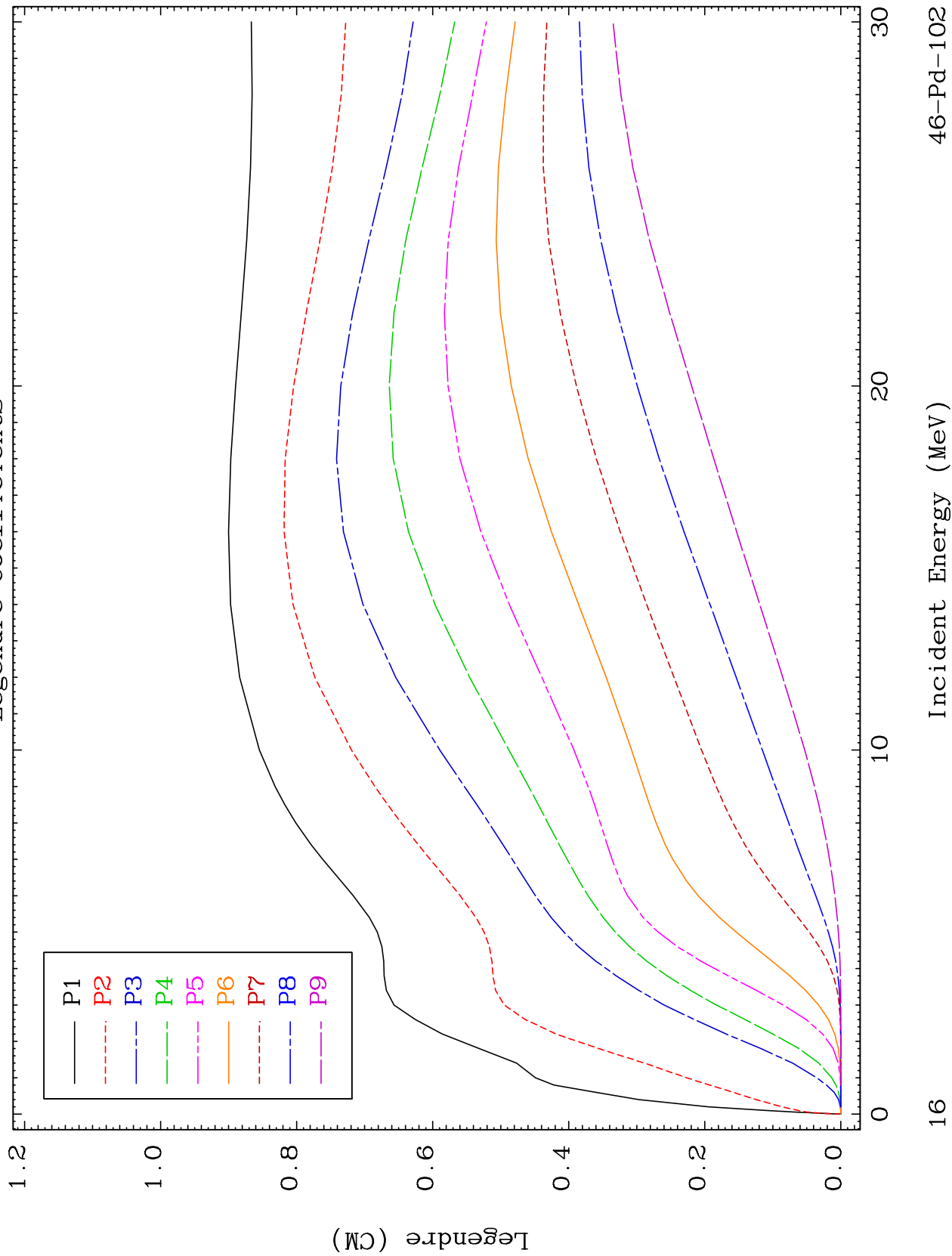




MAT 4625

Elastic Legendre Coefficients

46-Pd-102



16

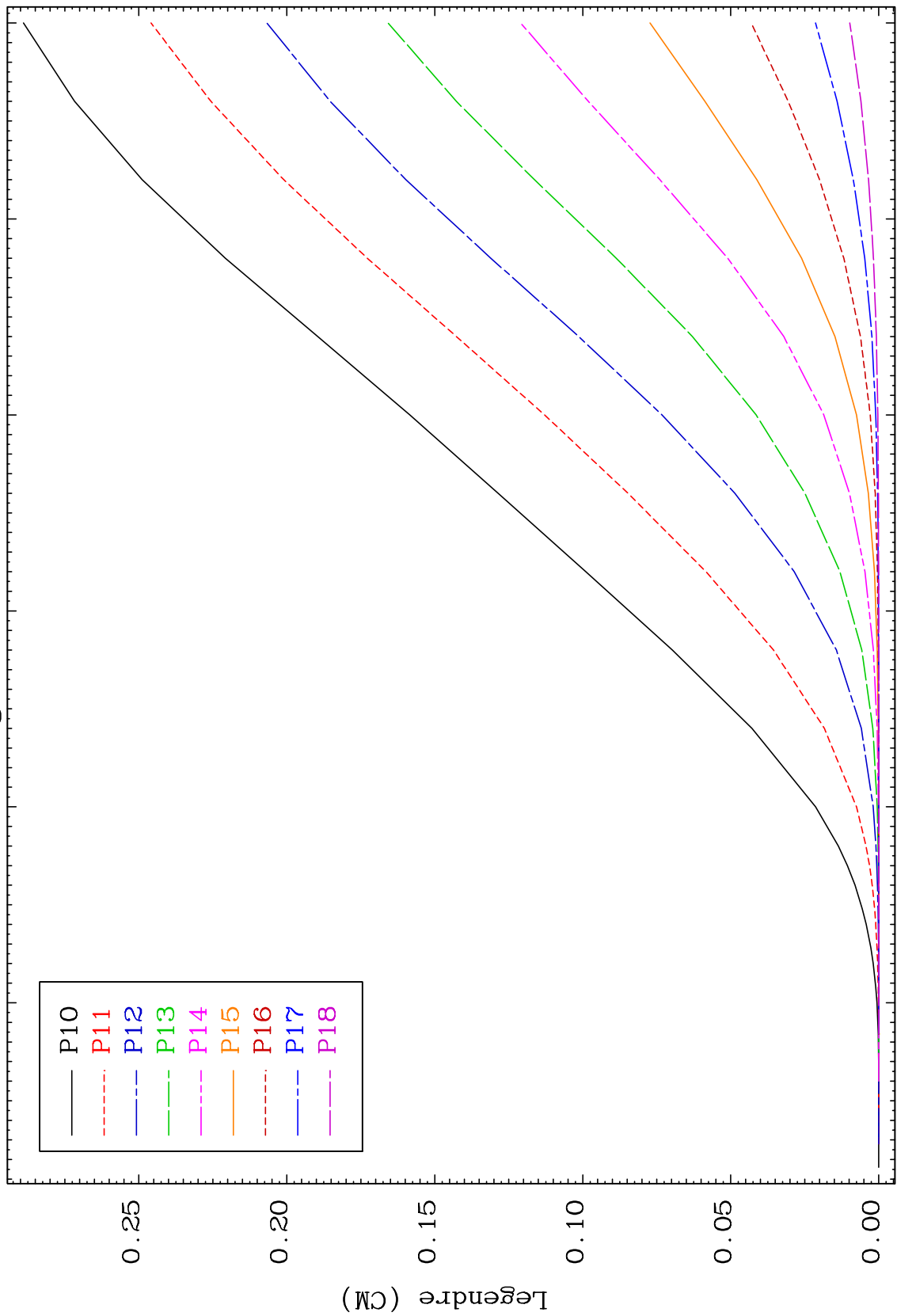
Incident Energy (MeV)

46-Pd-102

MAT 4625

Elastic Legendre Coefficients

46-Pd-102



17

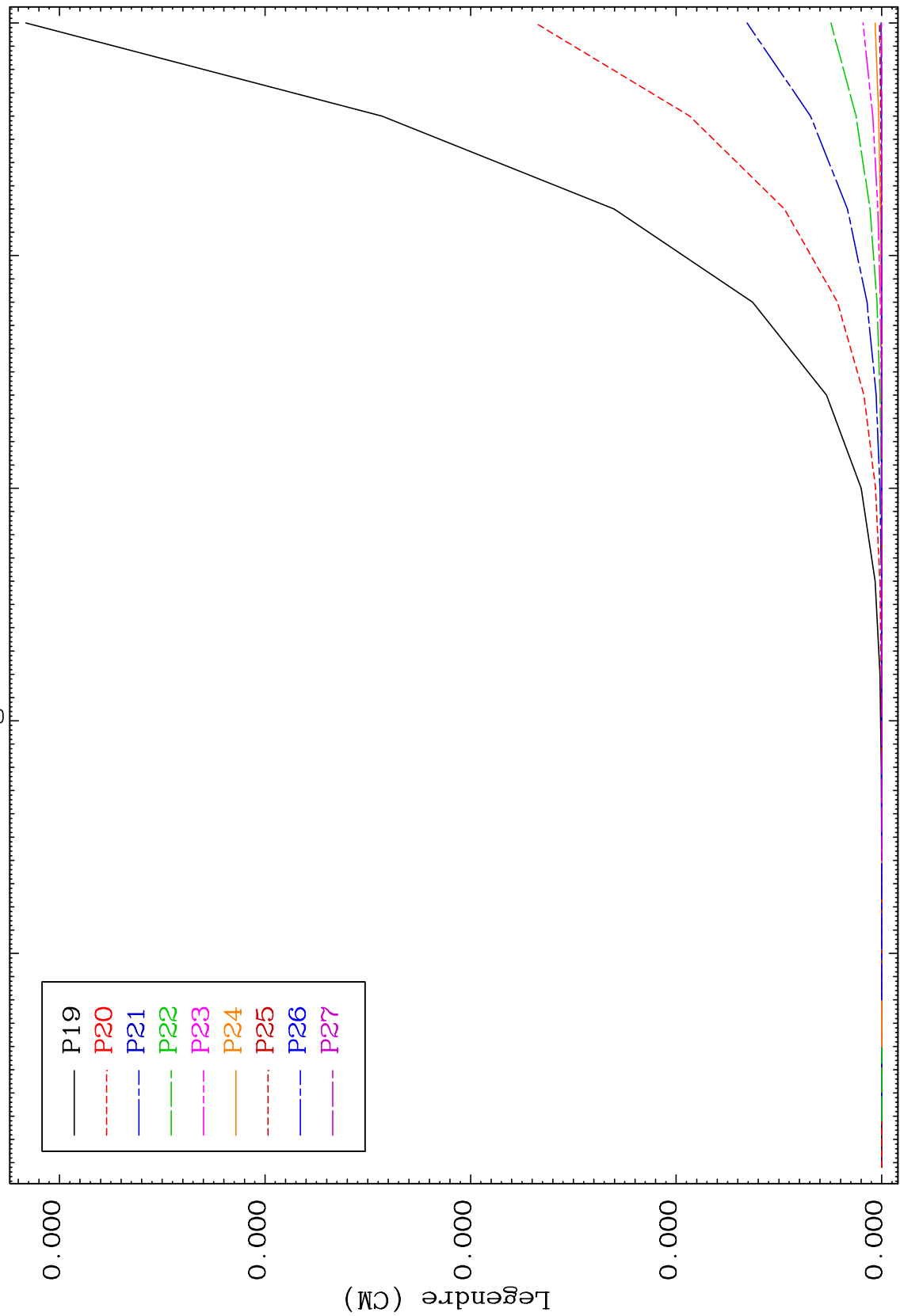
Incident Energy (MeV)

46-Pd-102

MAT 4625

Elastic Legendre Coefficients

46-Pd-102



18

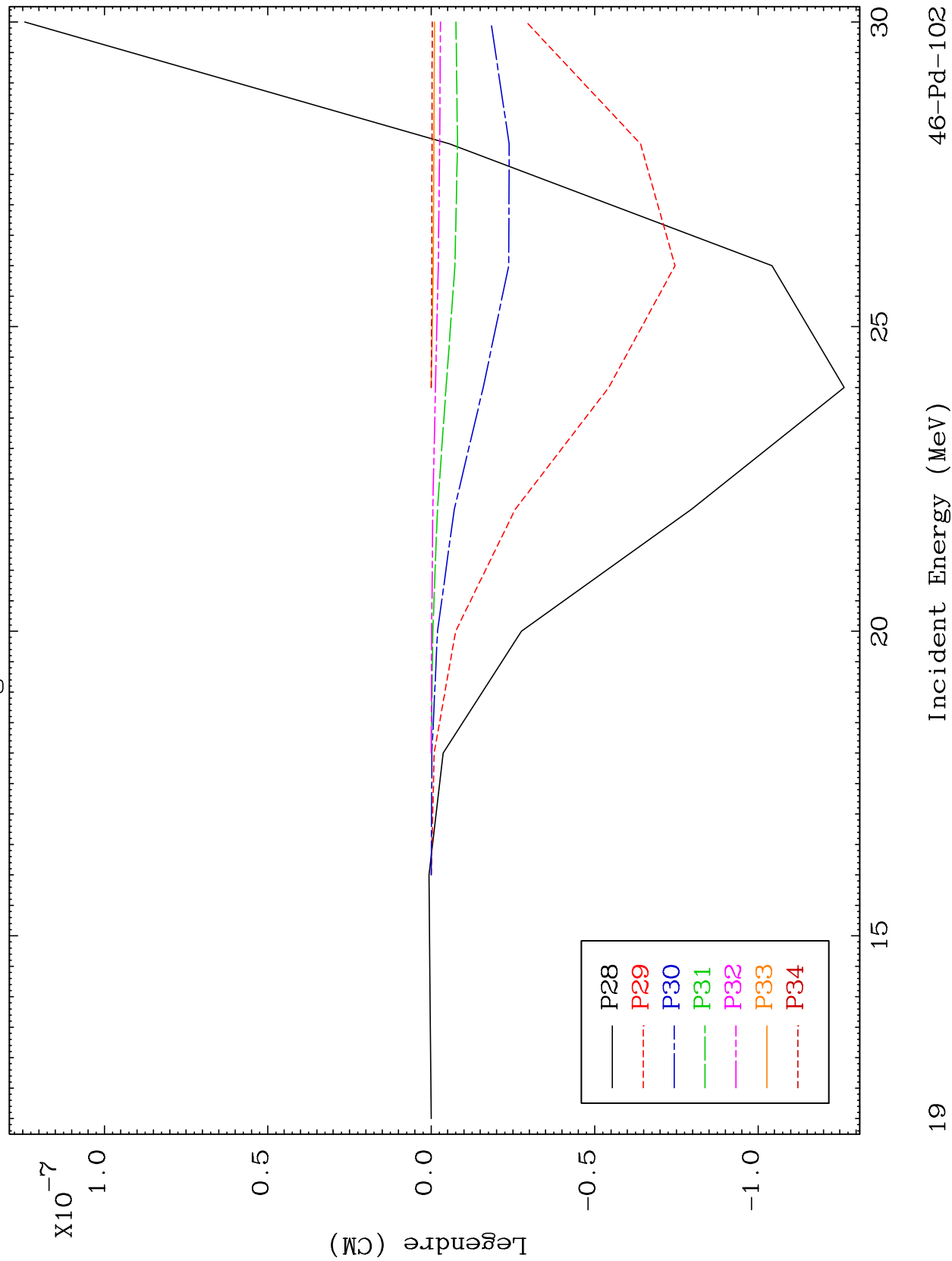
Incident Energy (MeV)

46-Pd-102

MAT 4625

Elastic  
Legendre Coefficients

46-Pd-102



19

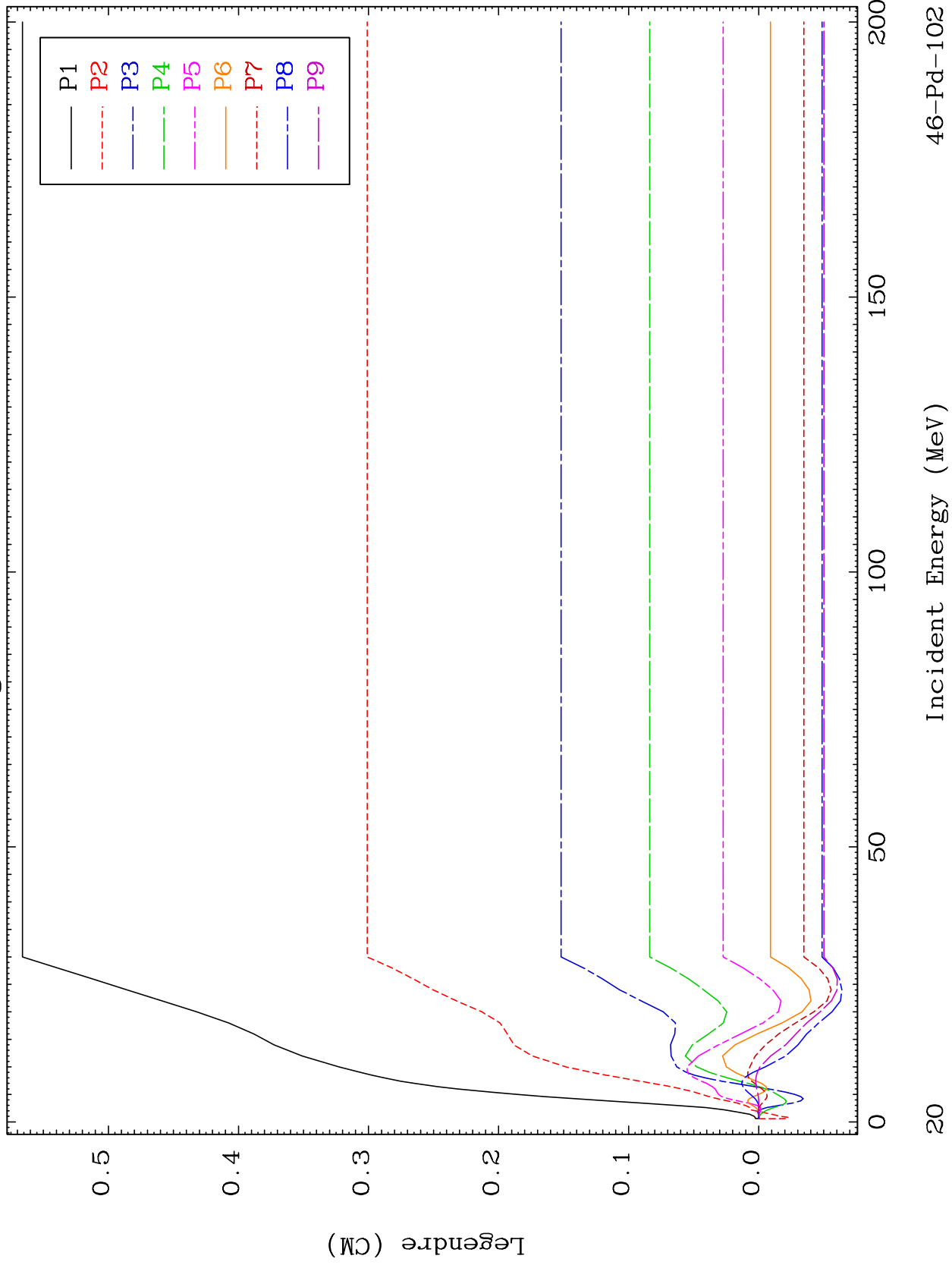
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

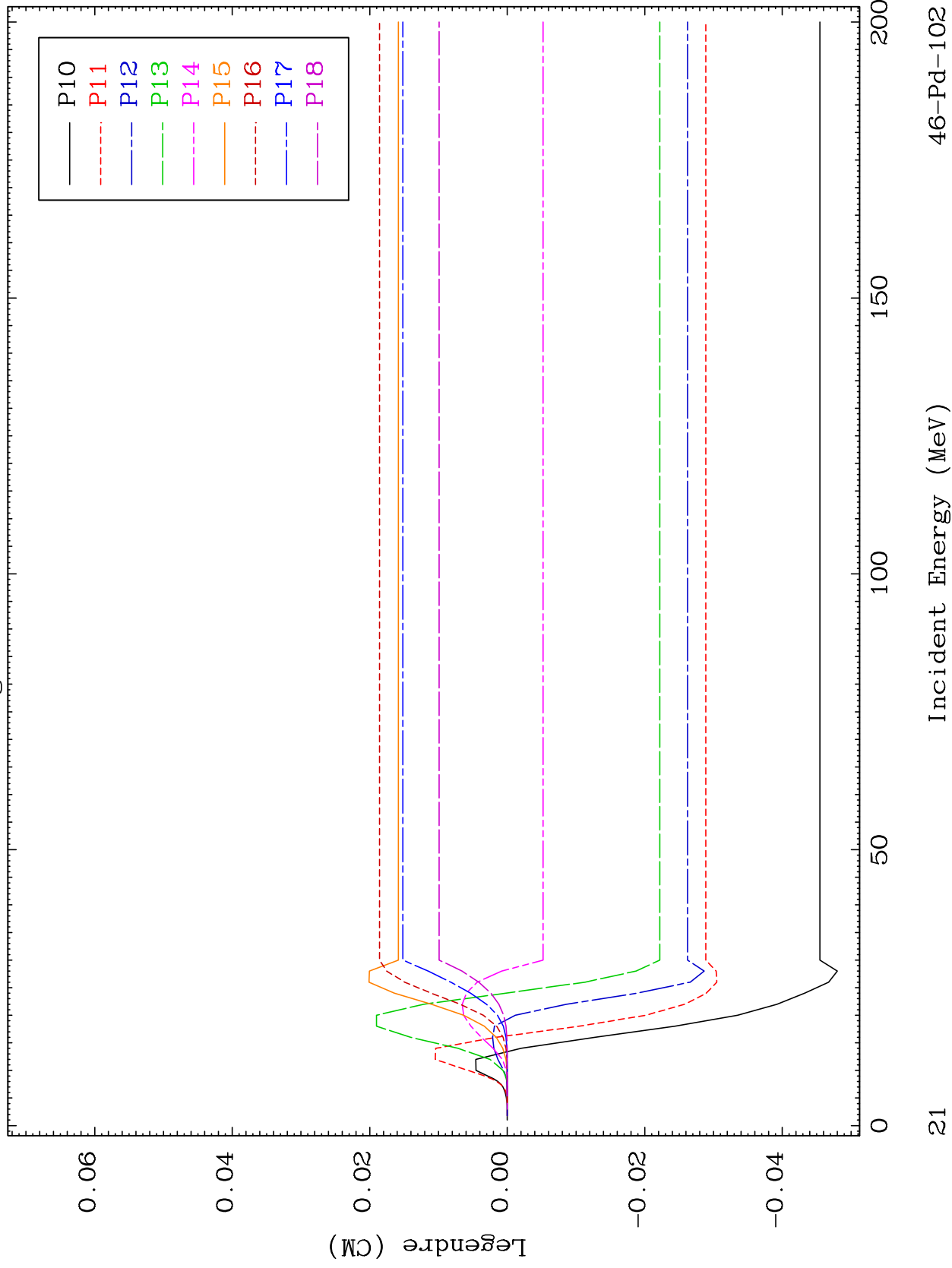
46-Pd-102



MAT 4625

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

46-Pd-102



21

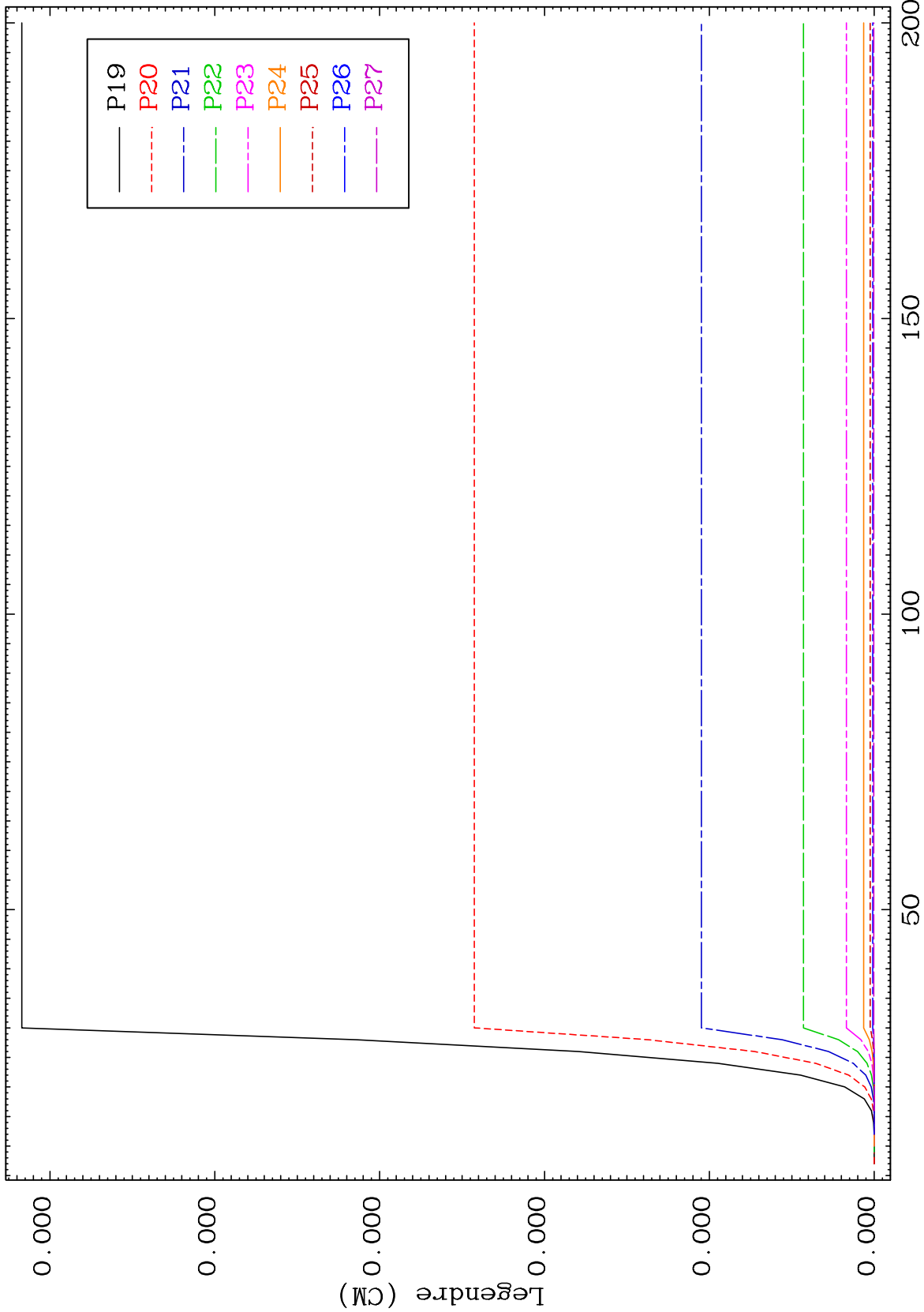
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

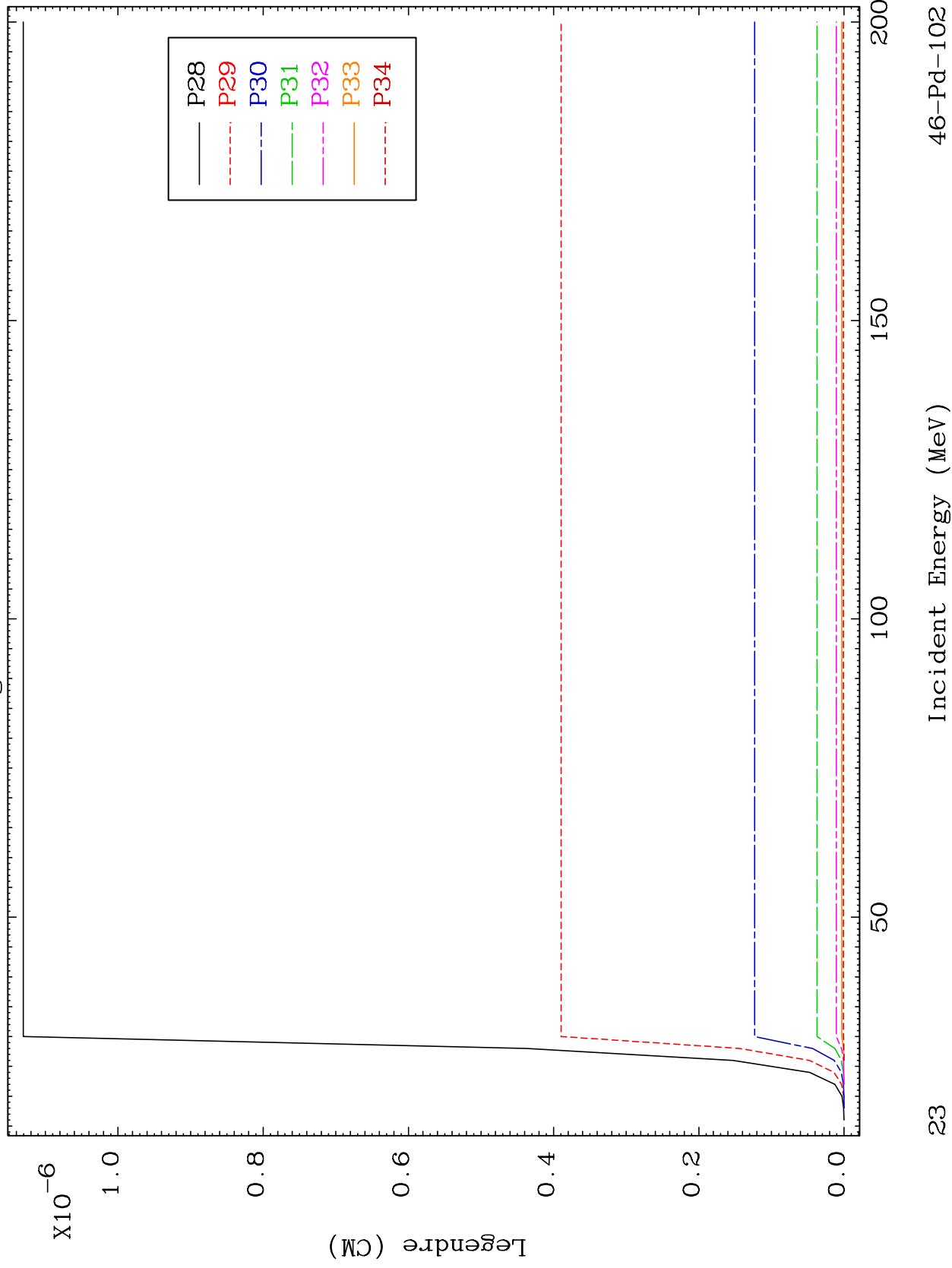
46-Pd-102



MAT 4625

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

46-Pd-102

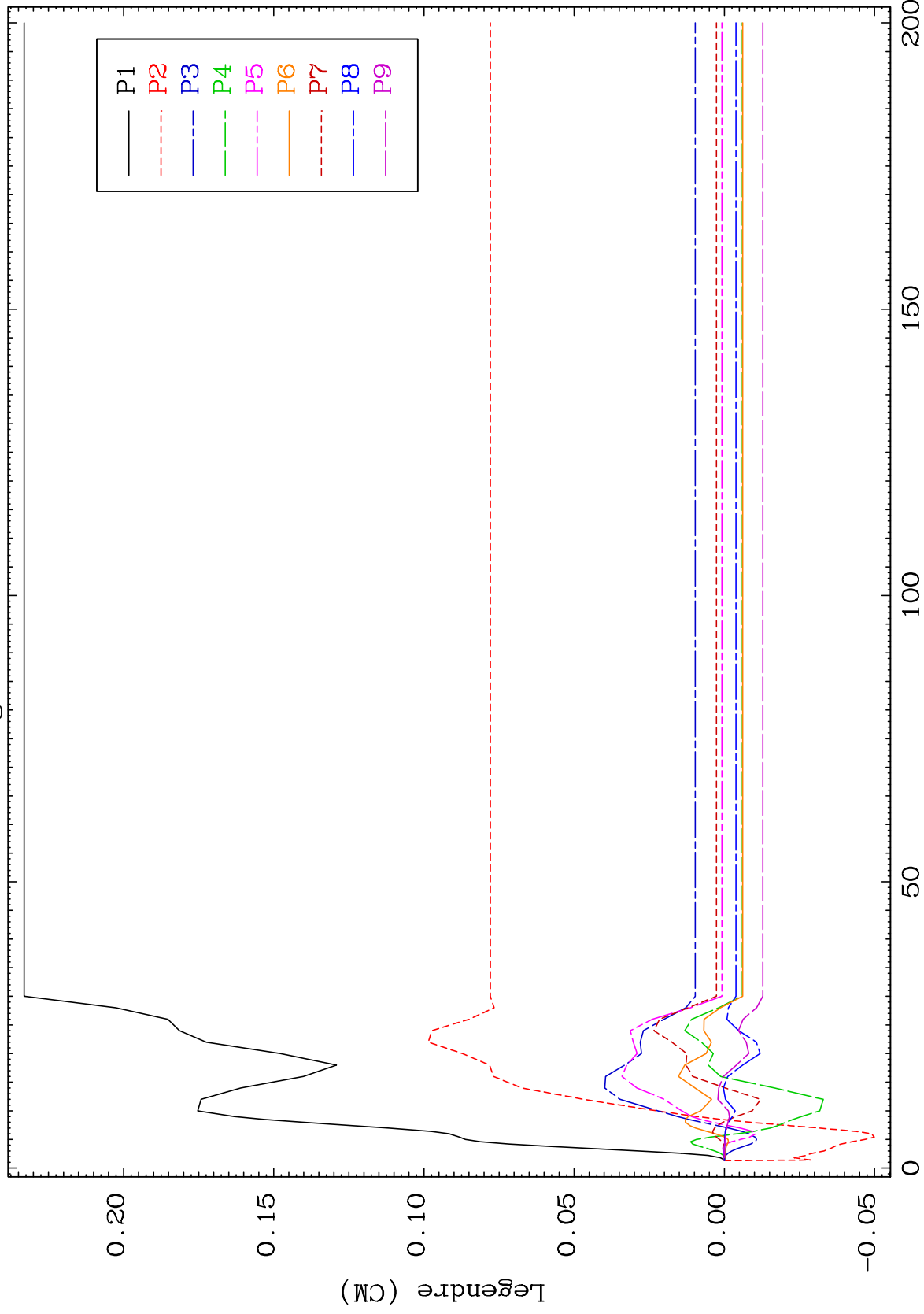




MAT 4625

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

46-Pd-102



24

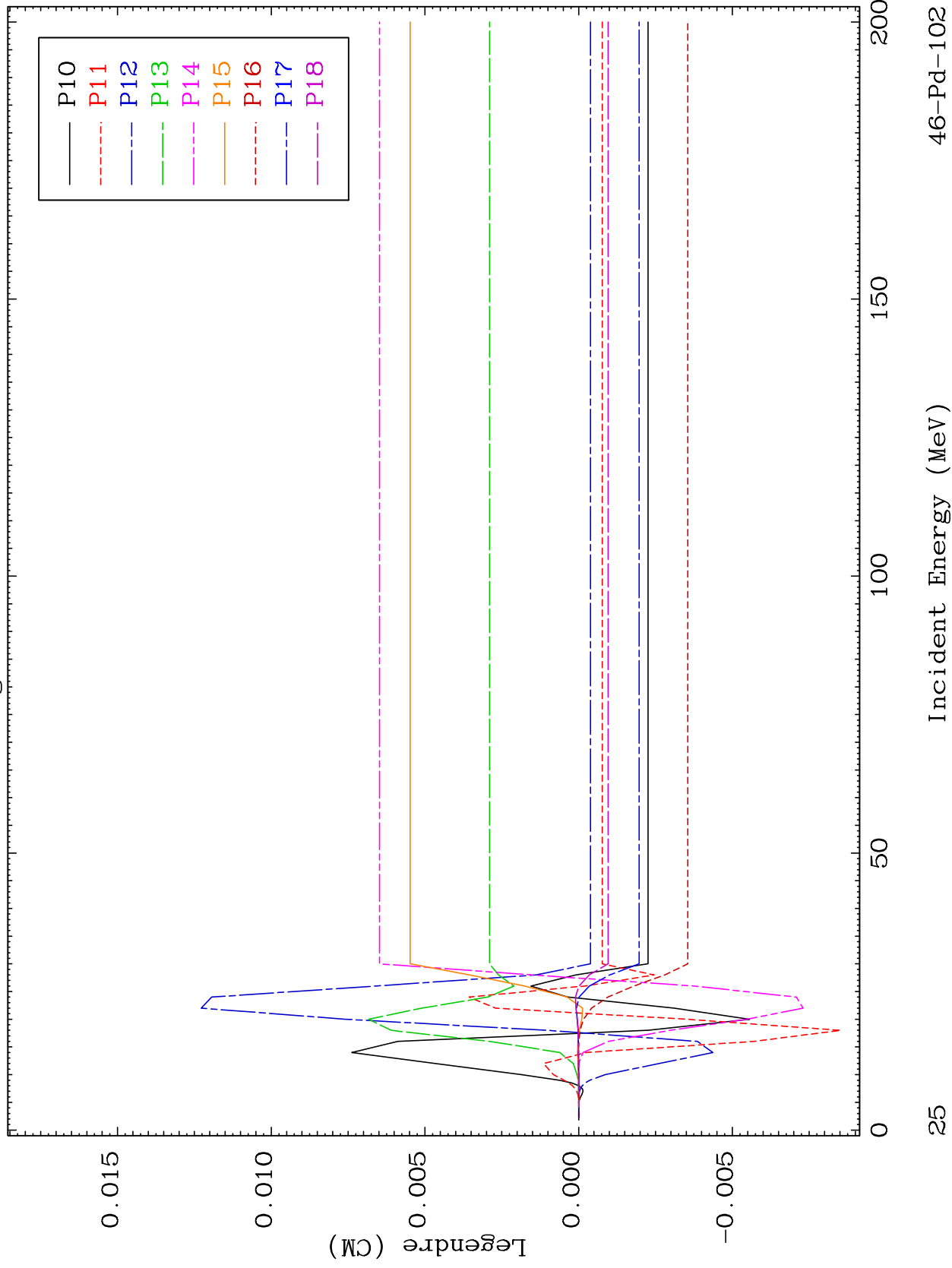
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

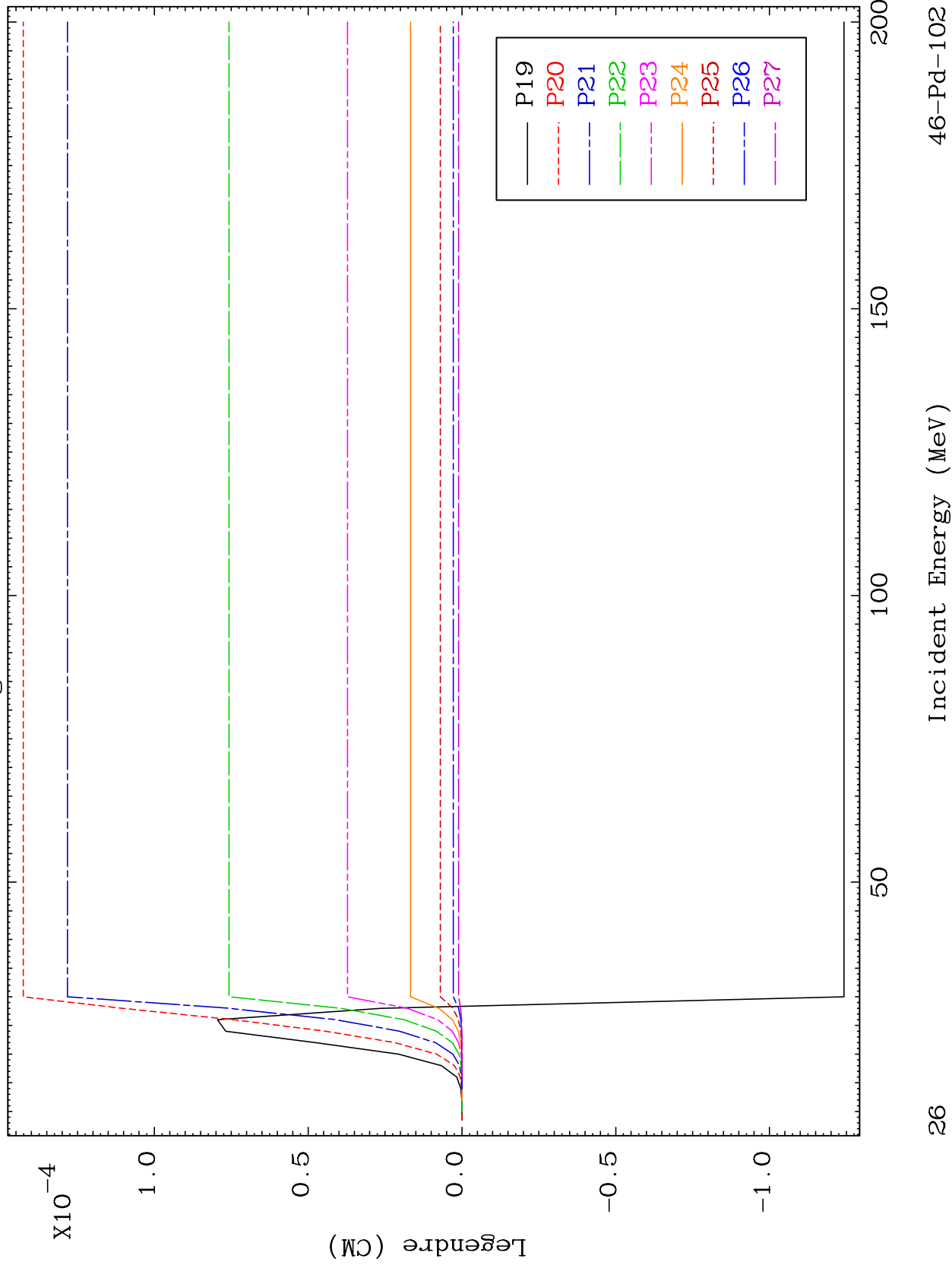
46-Pd-102



MAT 4625

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

46-Pd-102

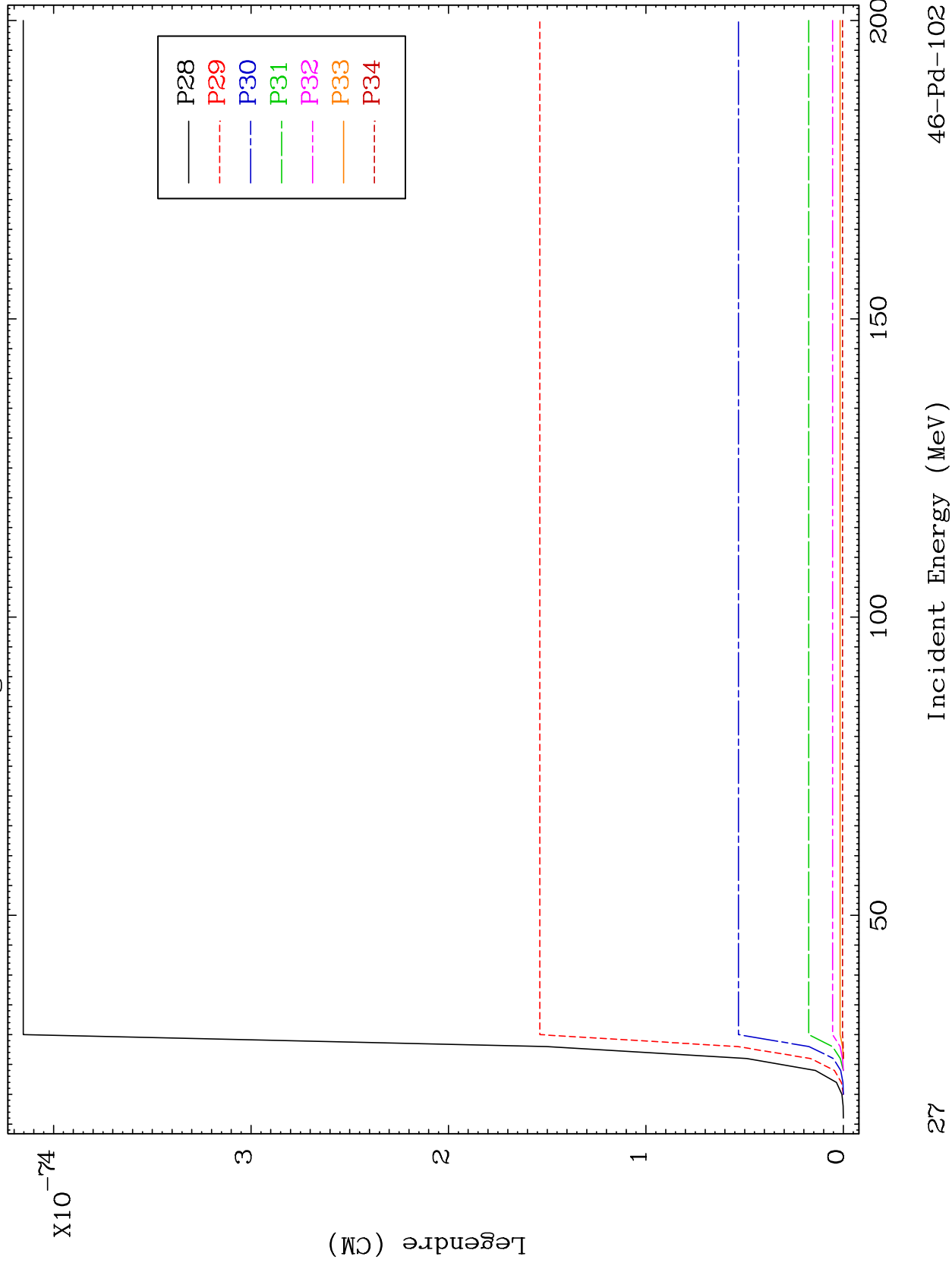


26

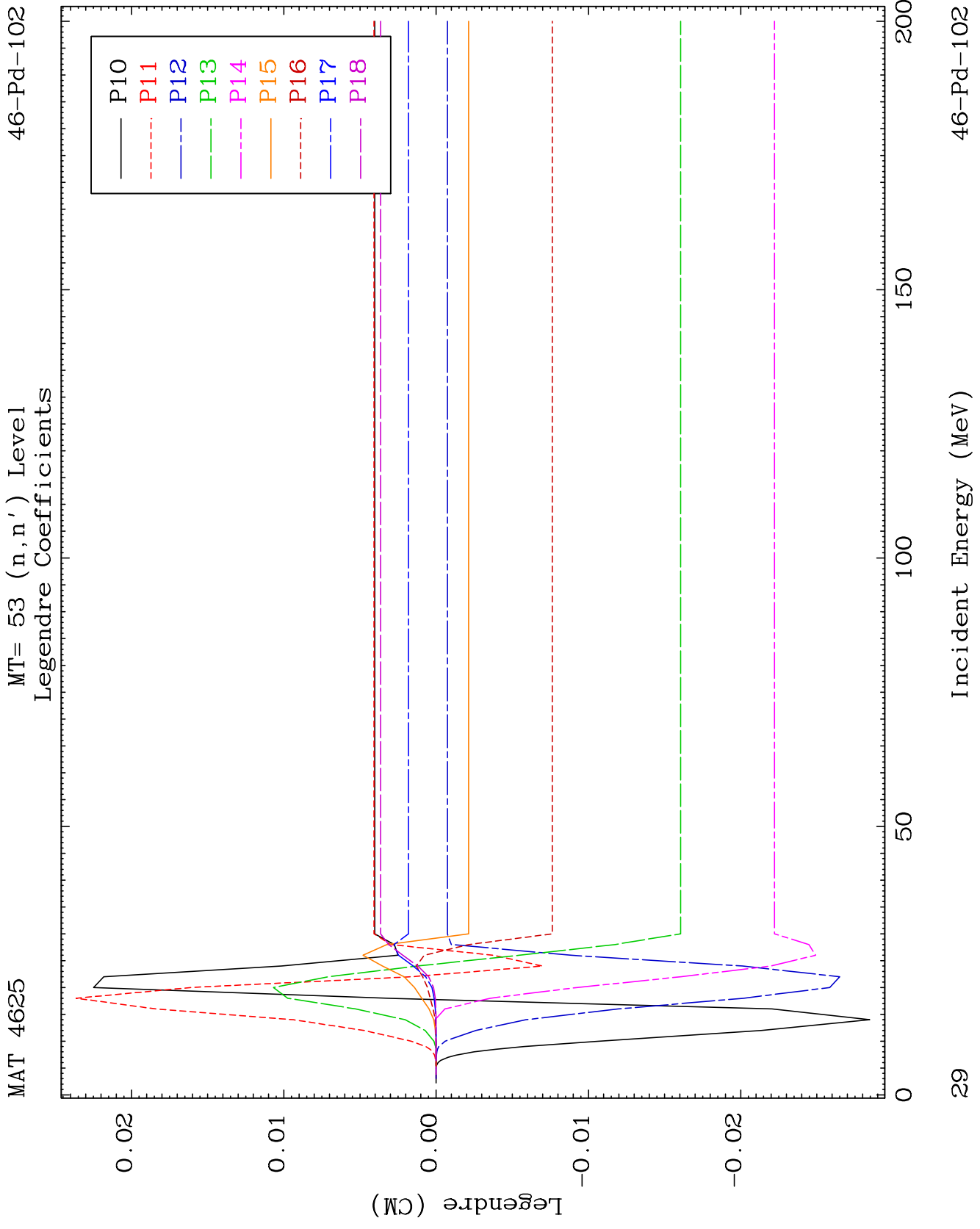
MAT 4625

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

46-Pd-102



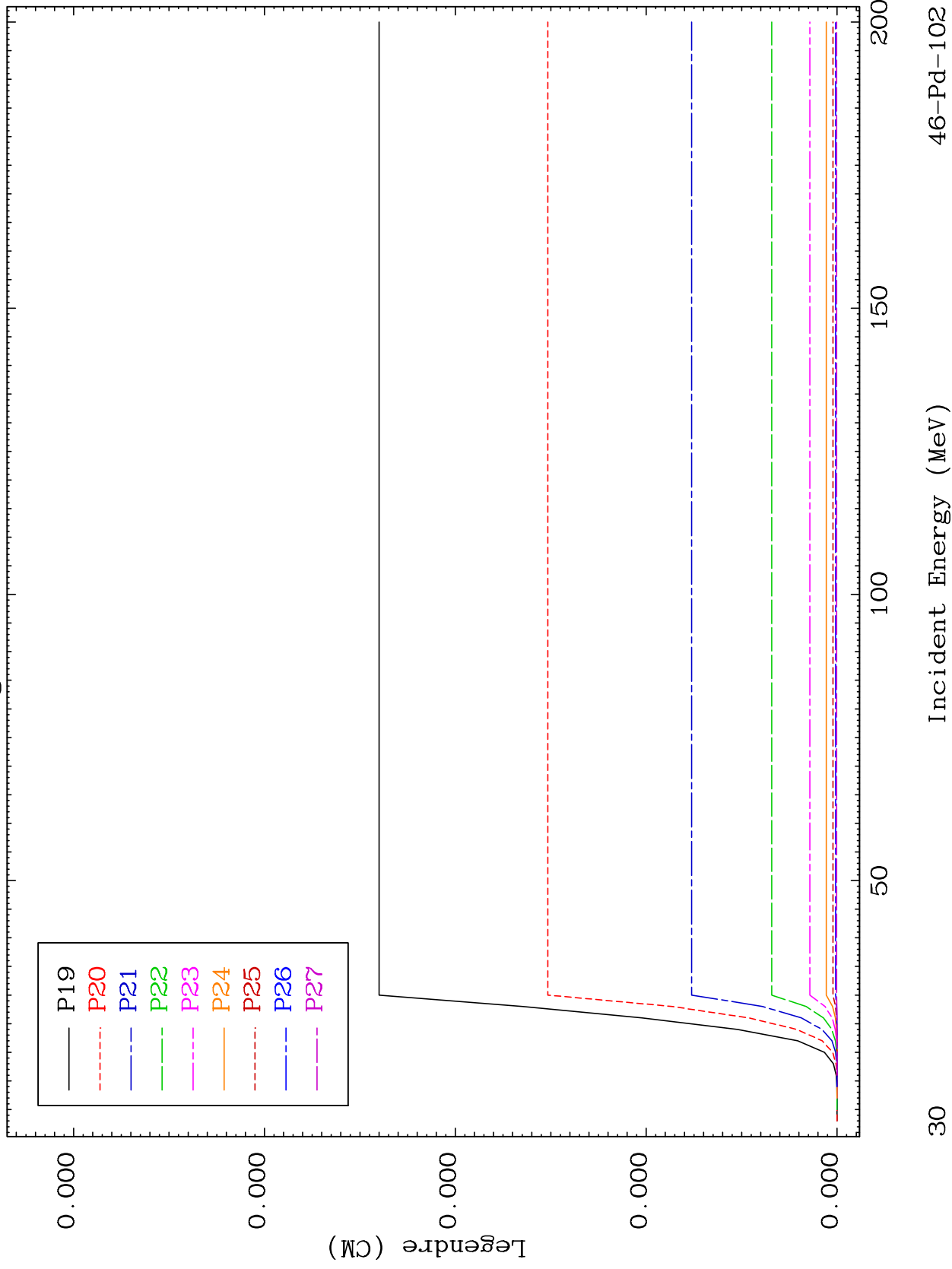




MAT 4625

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

46-Pd-102



30

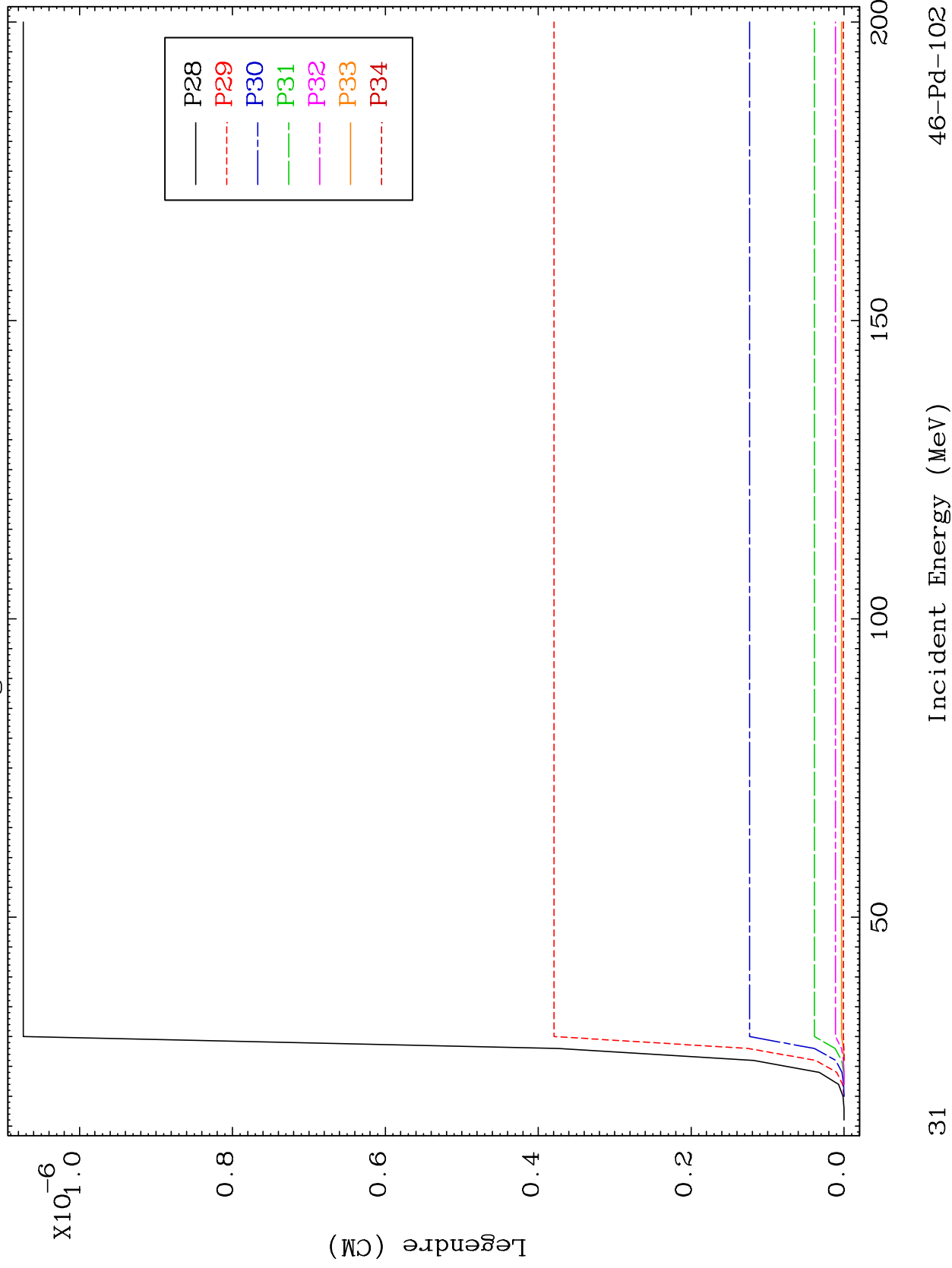
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102



31

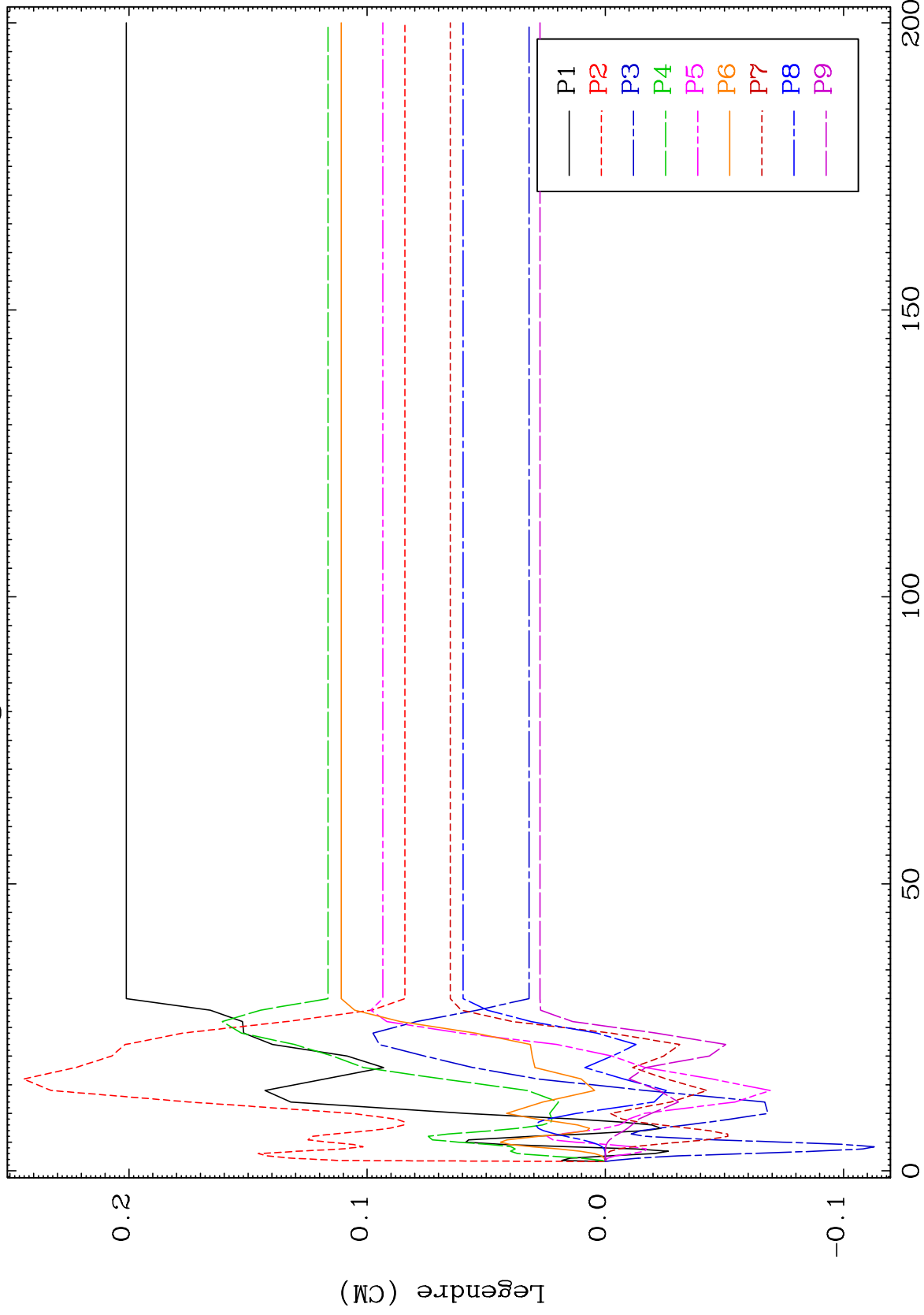
46-Pd-102



MAT 4625

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

46-Pd-102



32

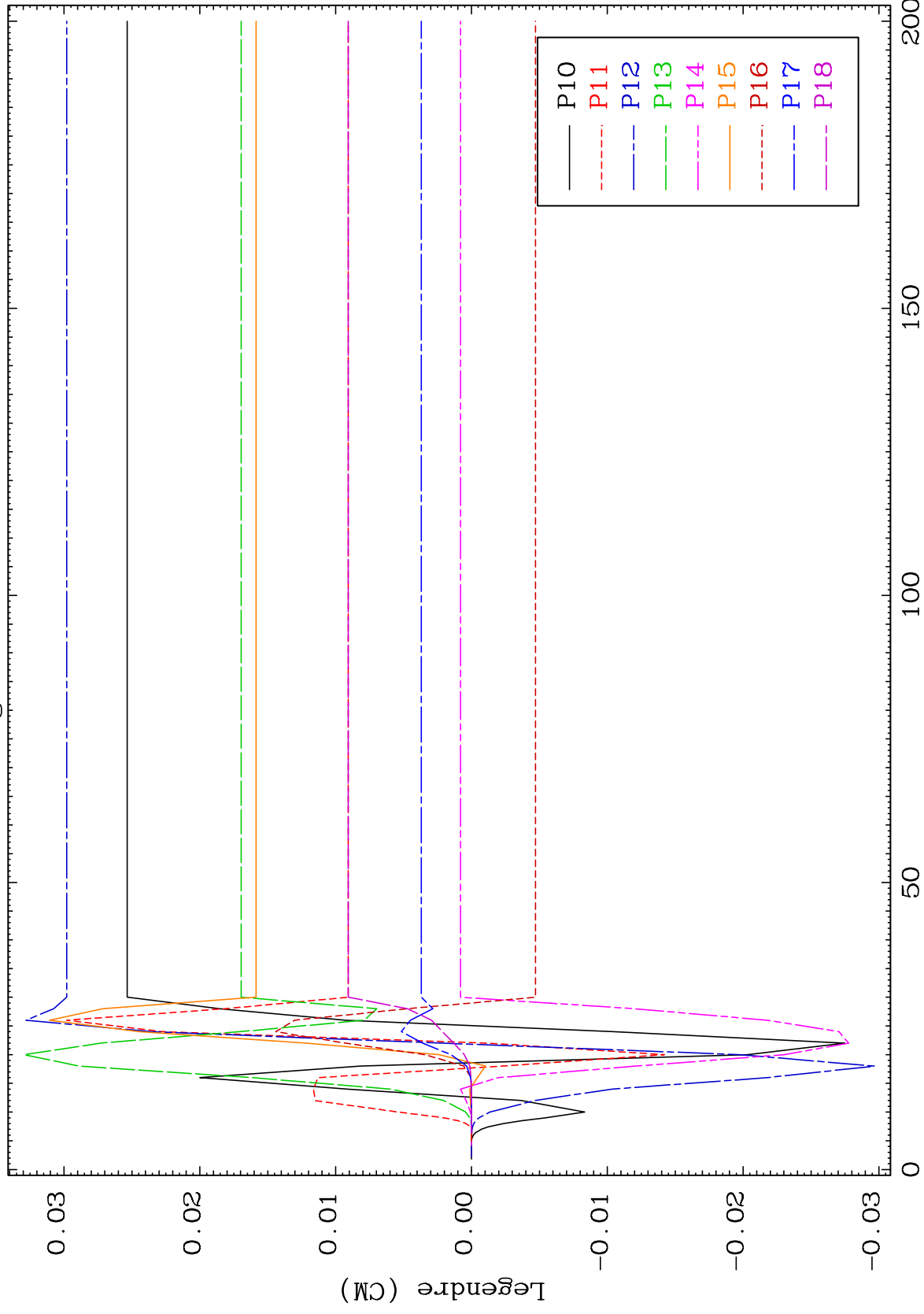
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102



33

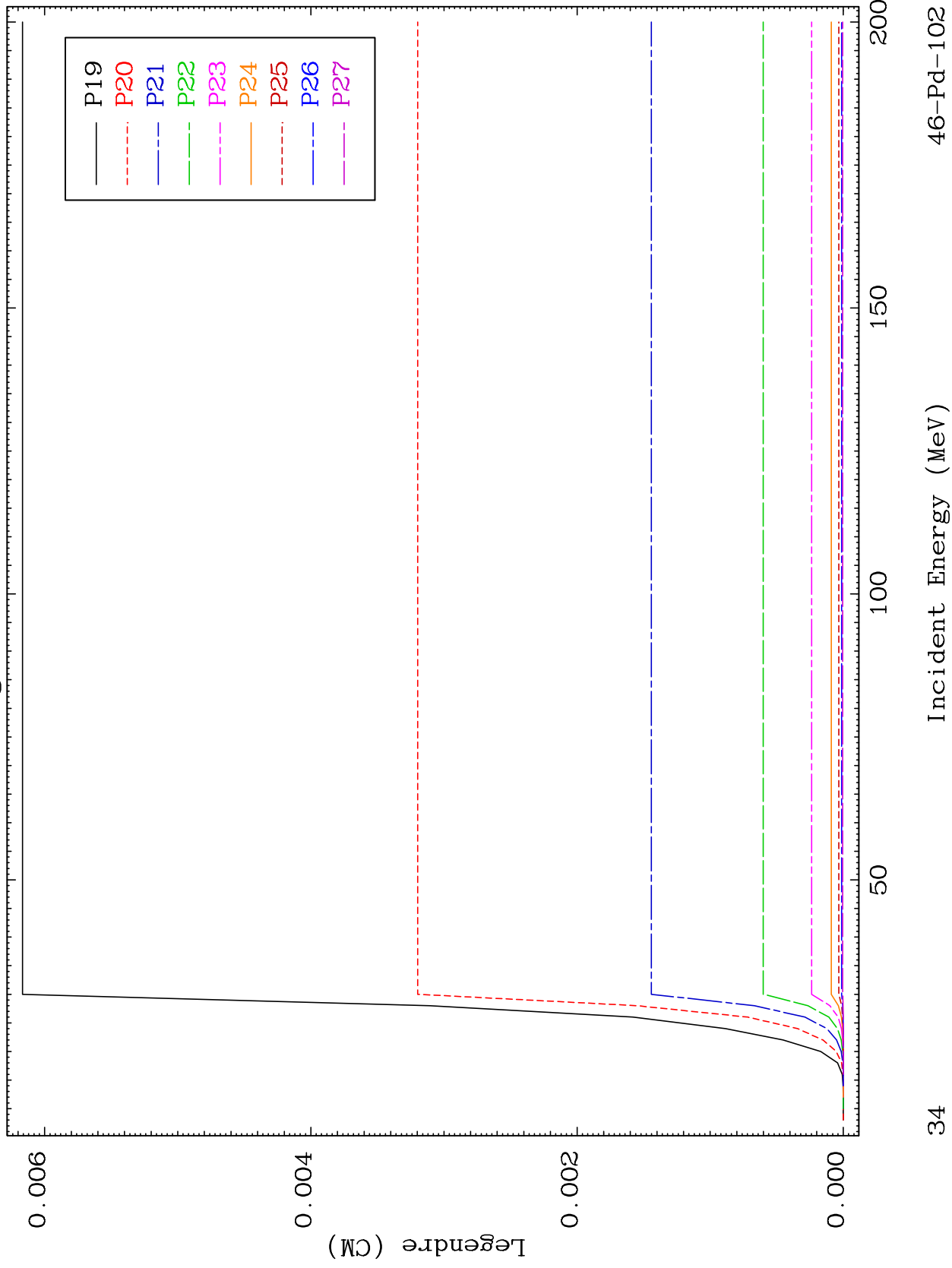
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102



34

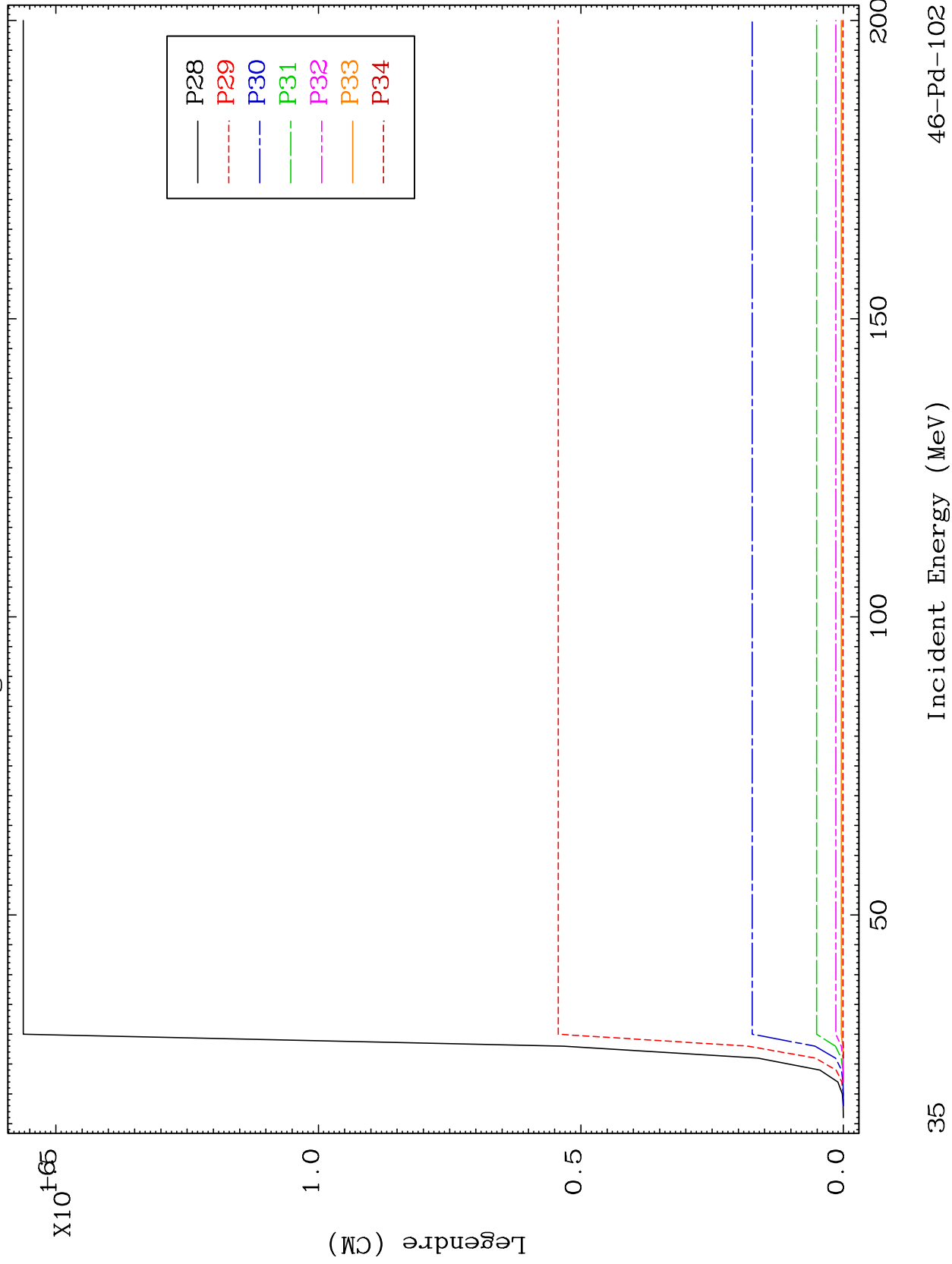
Incident Energy (MeV)

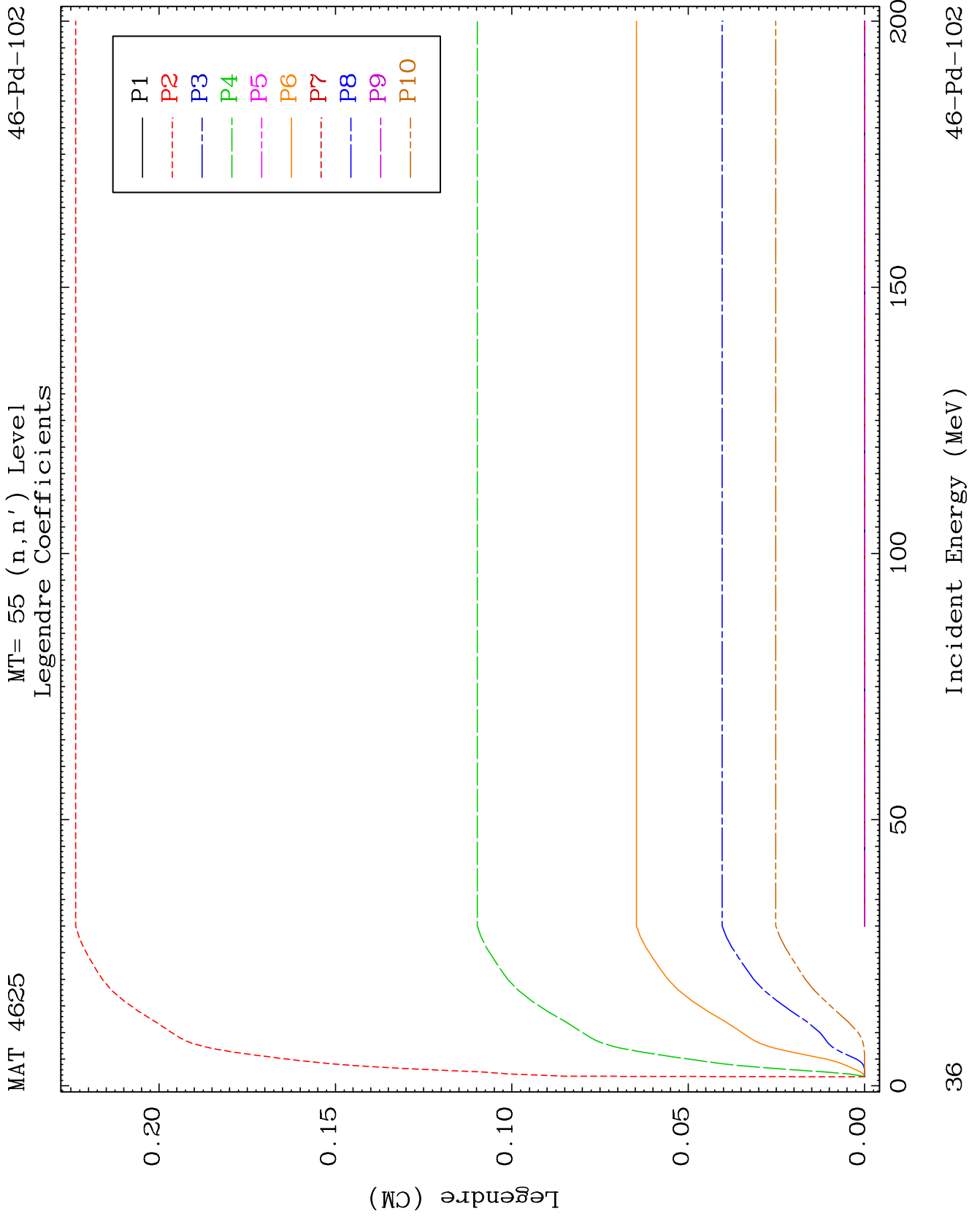
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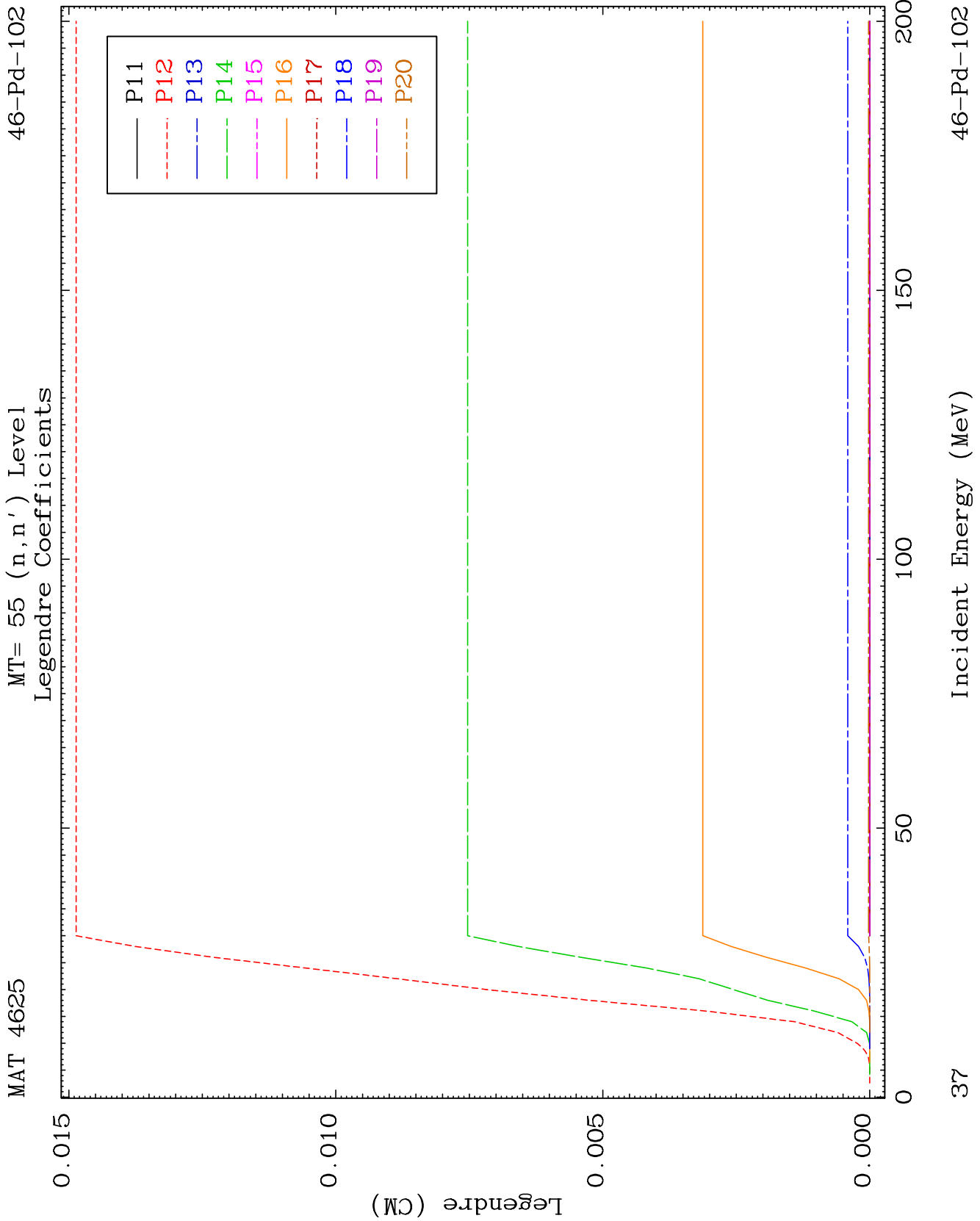
MAT 4625

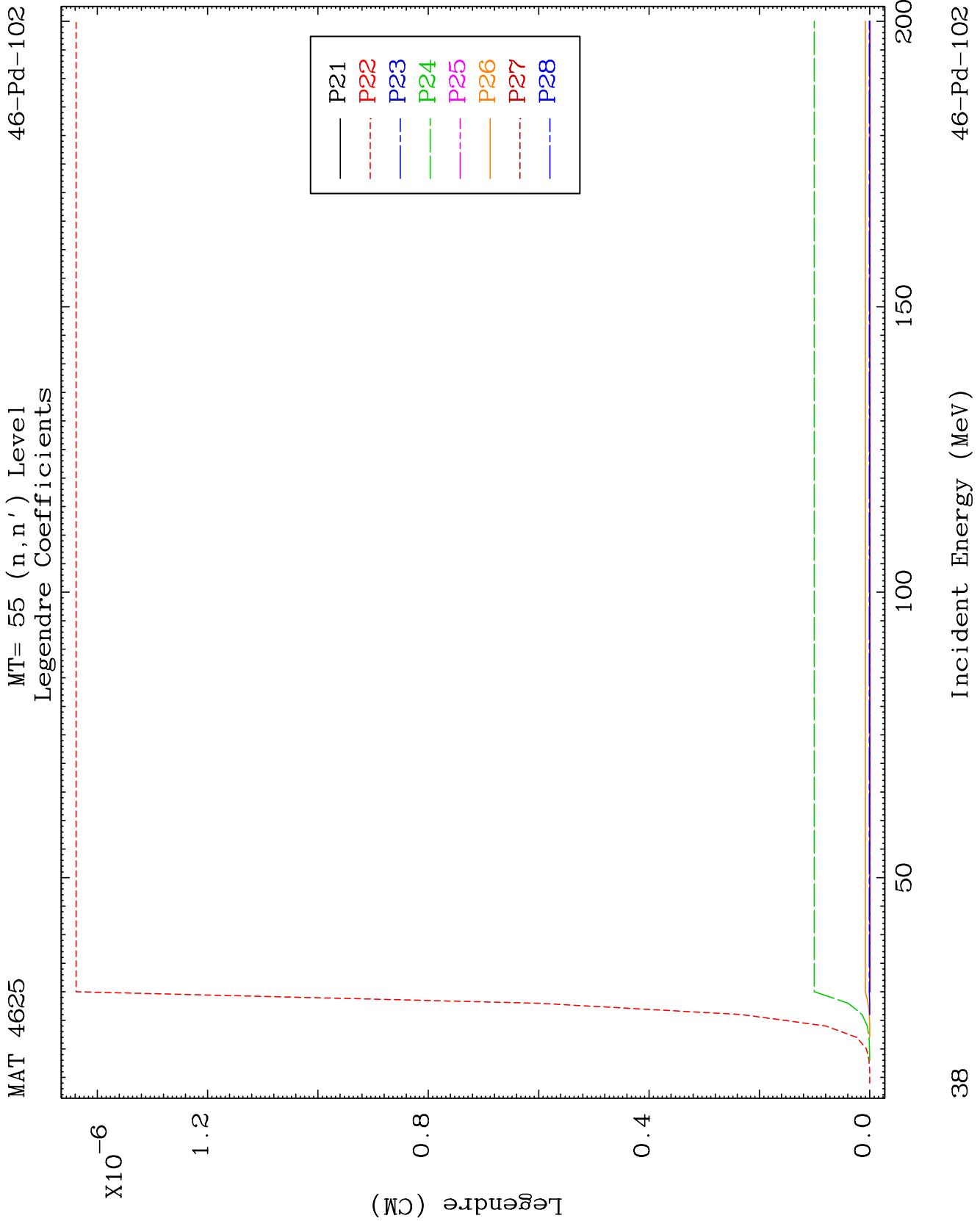
MT= 54 (n,n') Level  
Legendre Coefficients

46-Pd-102





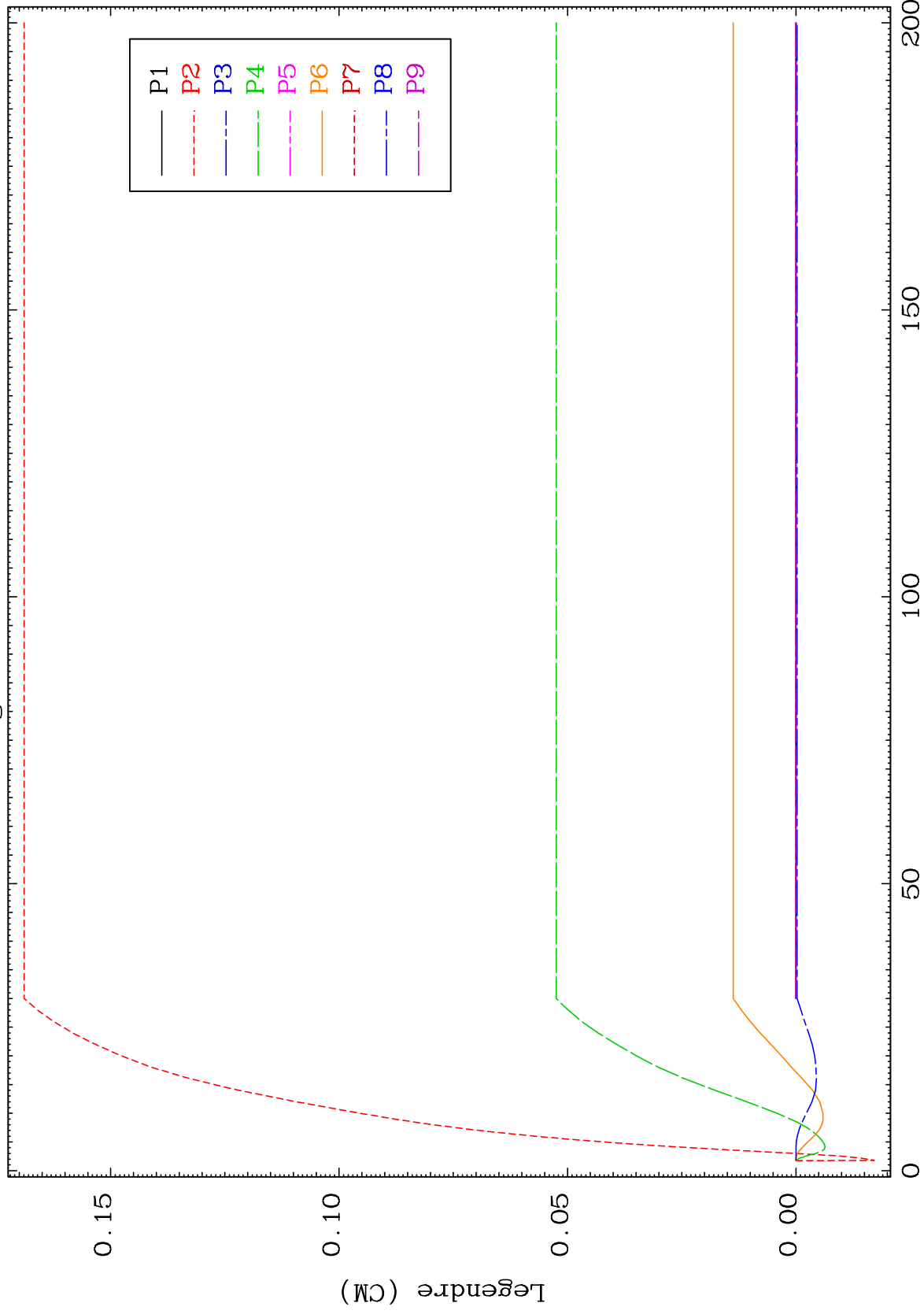




MAT 4625

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

46-Pd-102

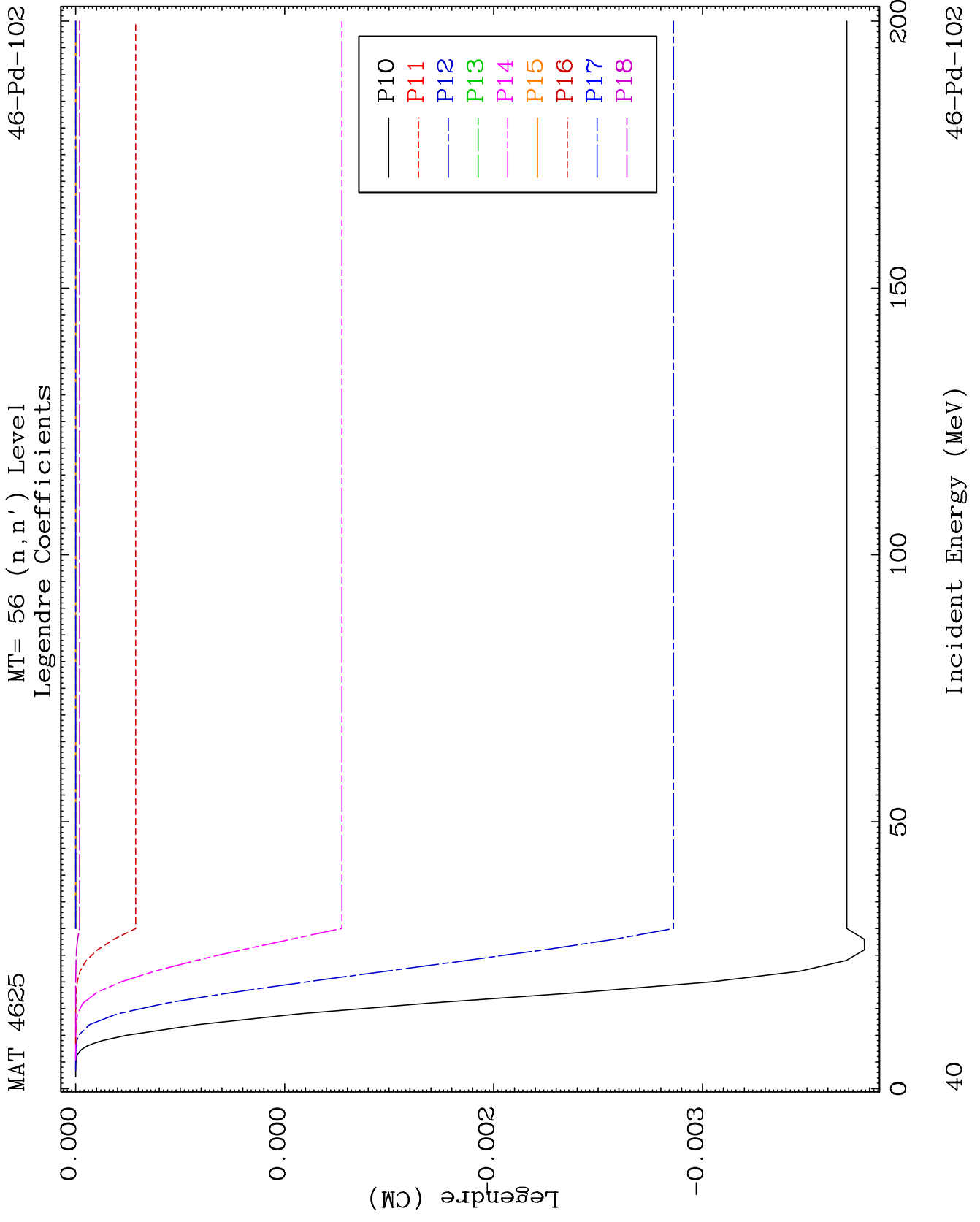


39

Incident Energy (MeV)

46-Pd-102



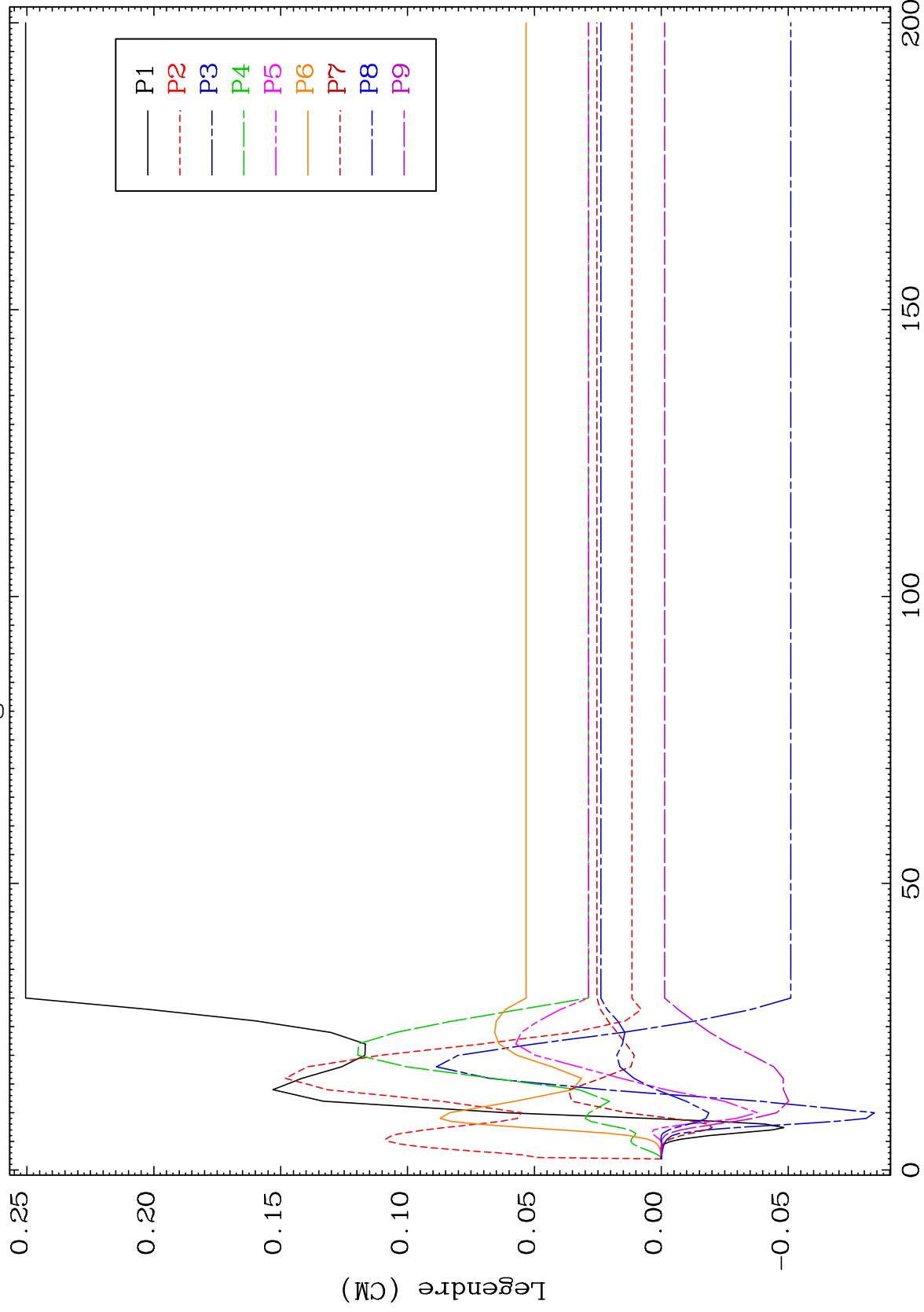




MAT 4625

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

46-Pd-102



46-Pd-102

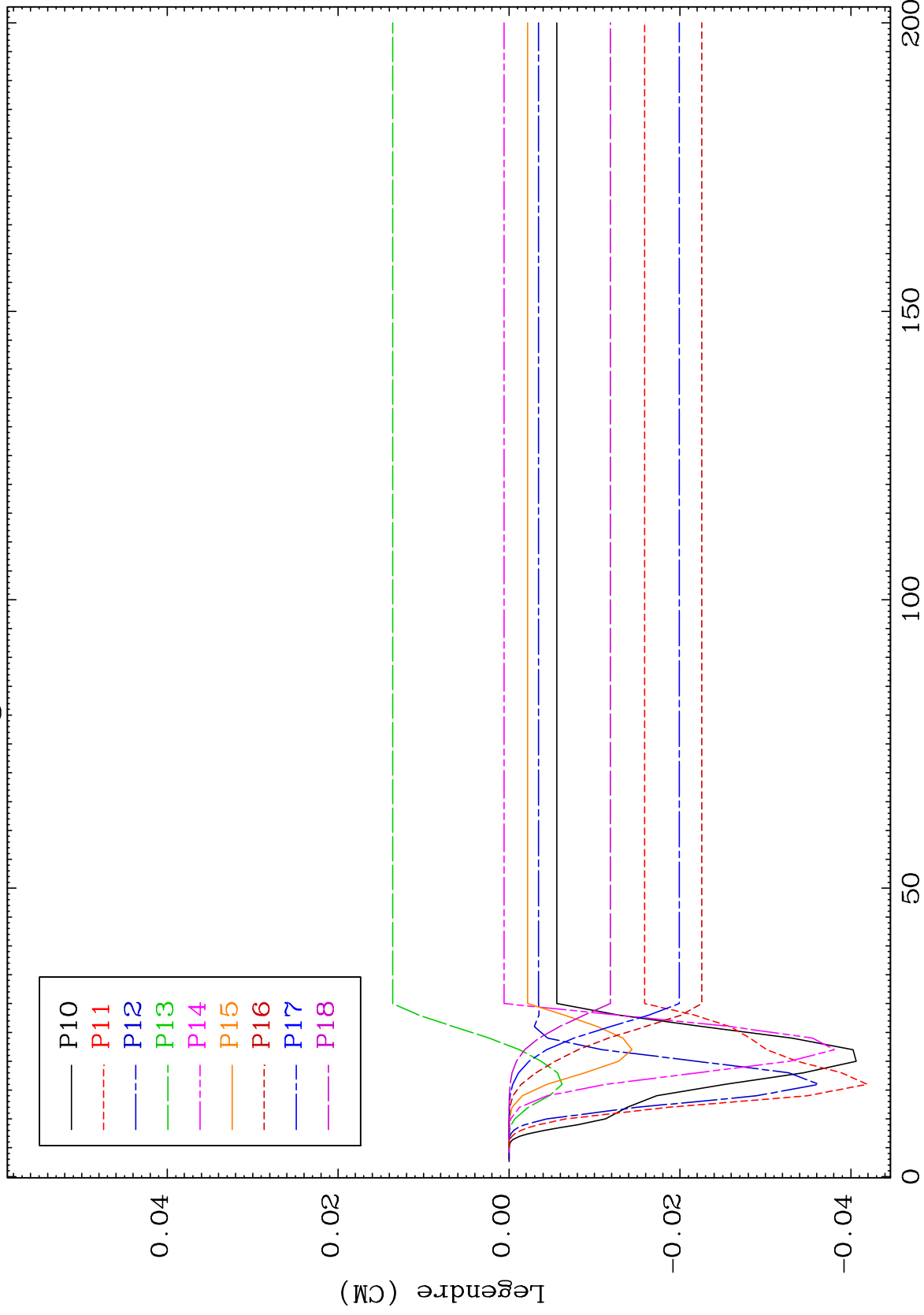
Incident Energy (MeV)

42

MAT 4625

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

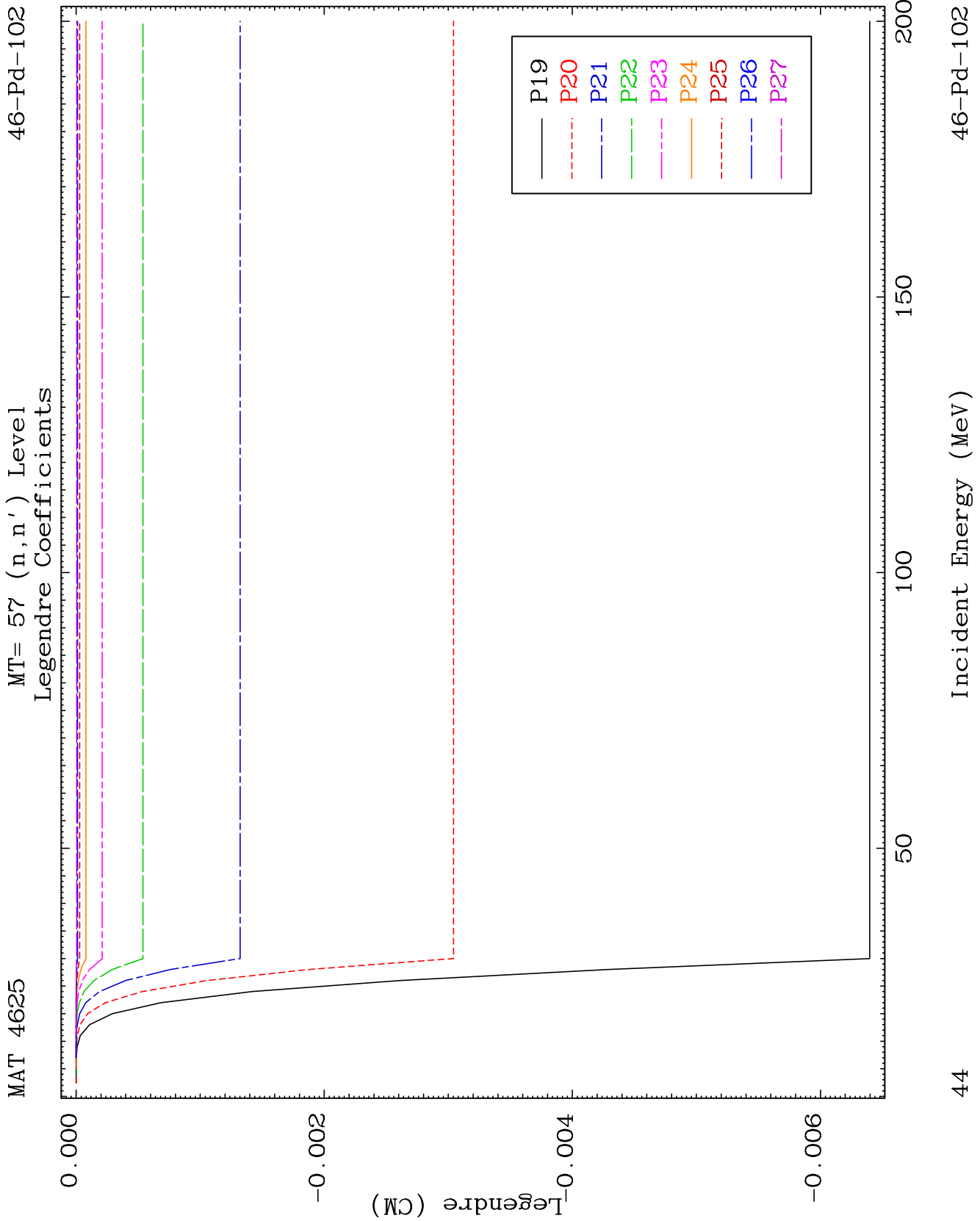
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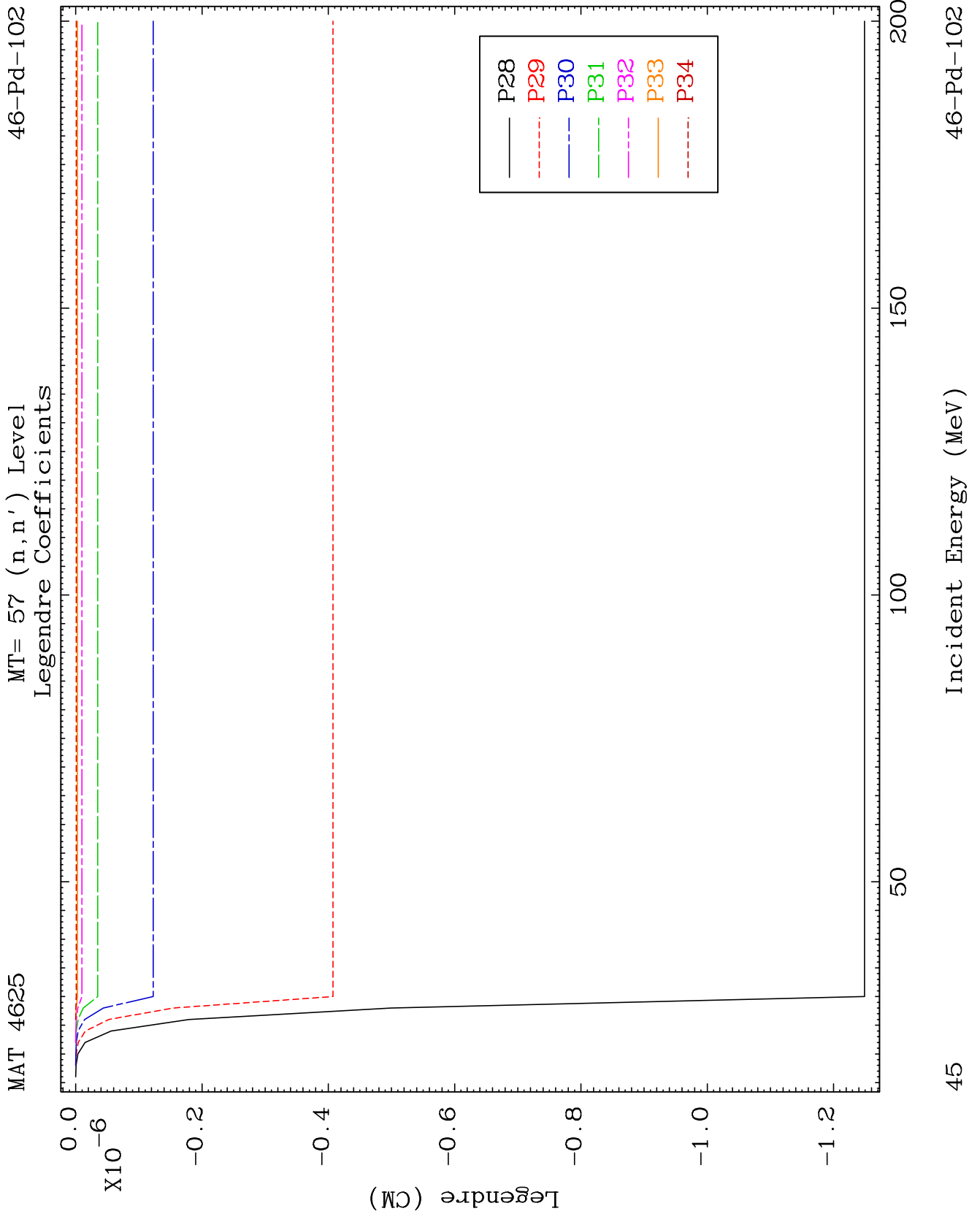


43

Incident Energy (MeV)

46-Pd-102



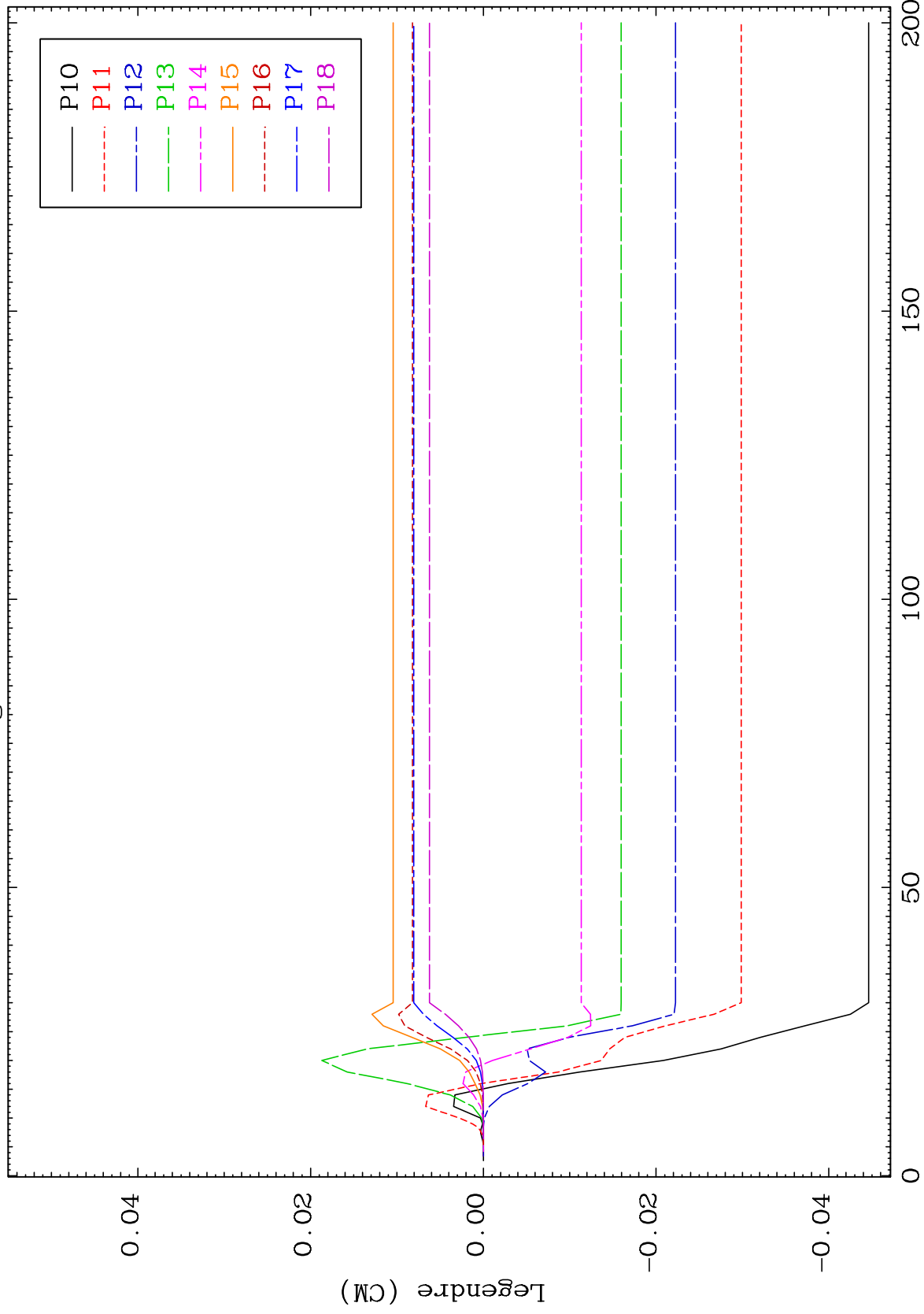




MAT 4625

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

46-Pd-102



47

Incident Energy (MeV)

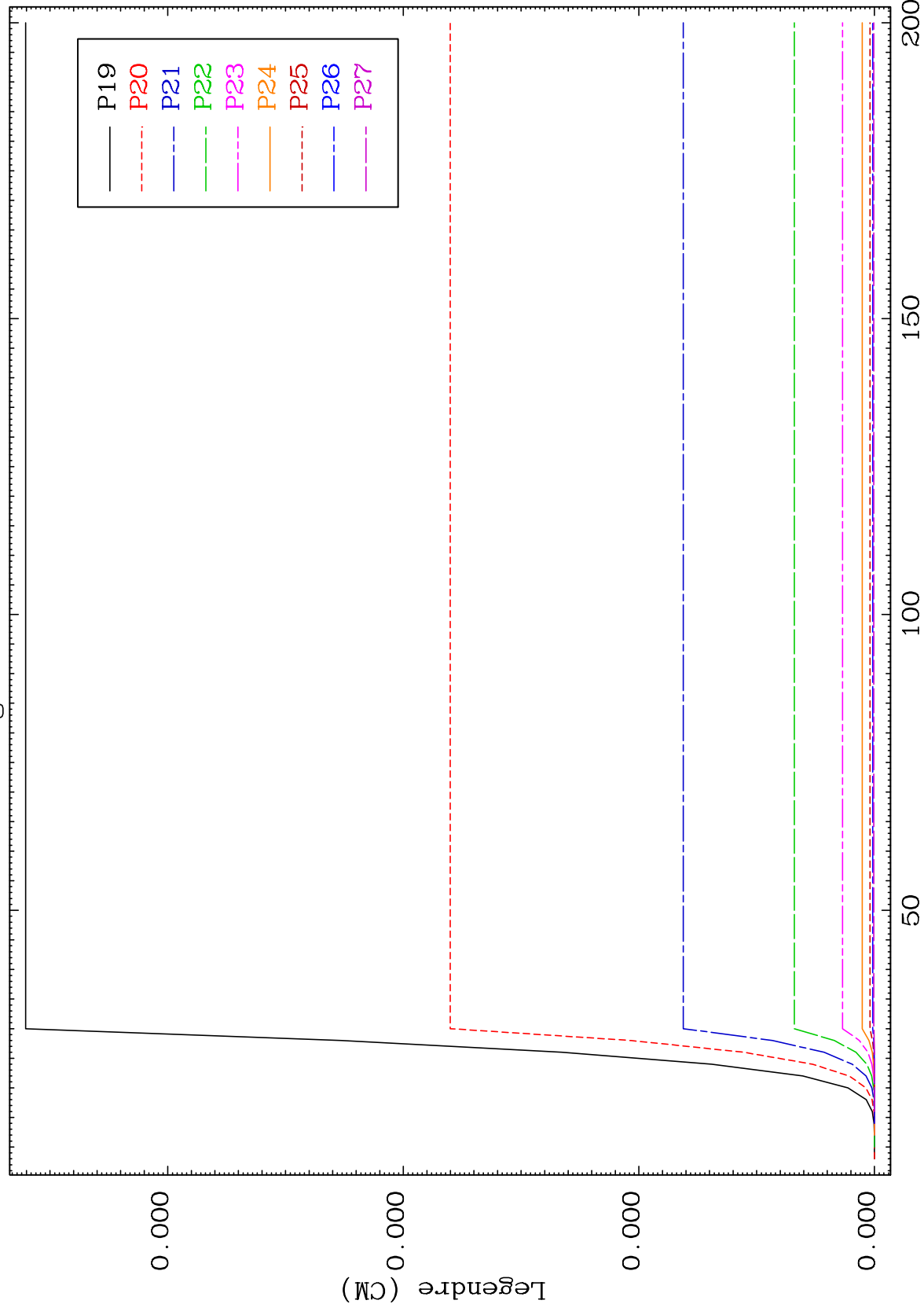
46-Pd-102



MAT 4625

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

46-Pd-102



48

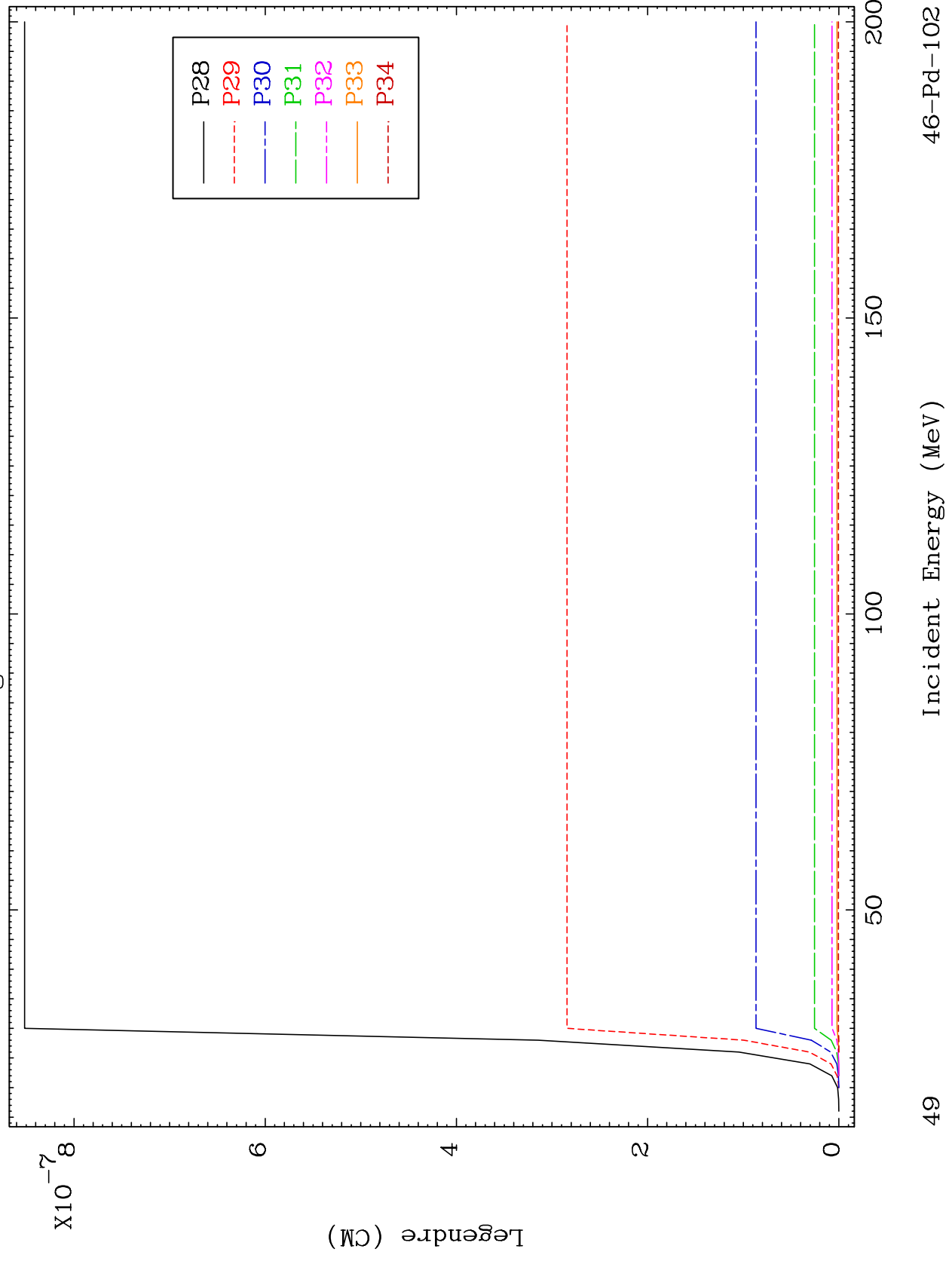
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102



49

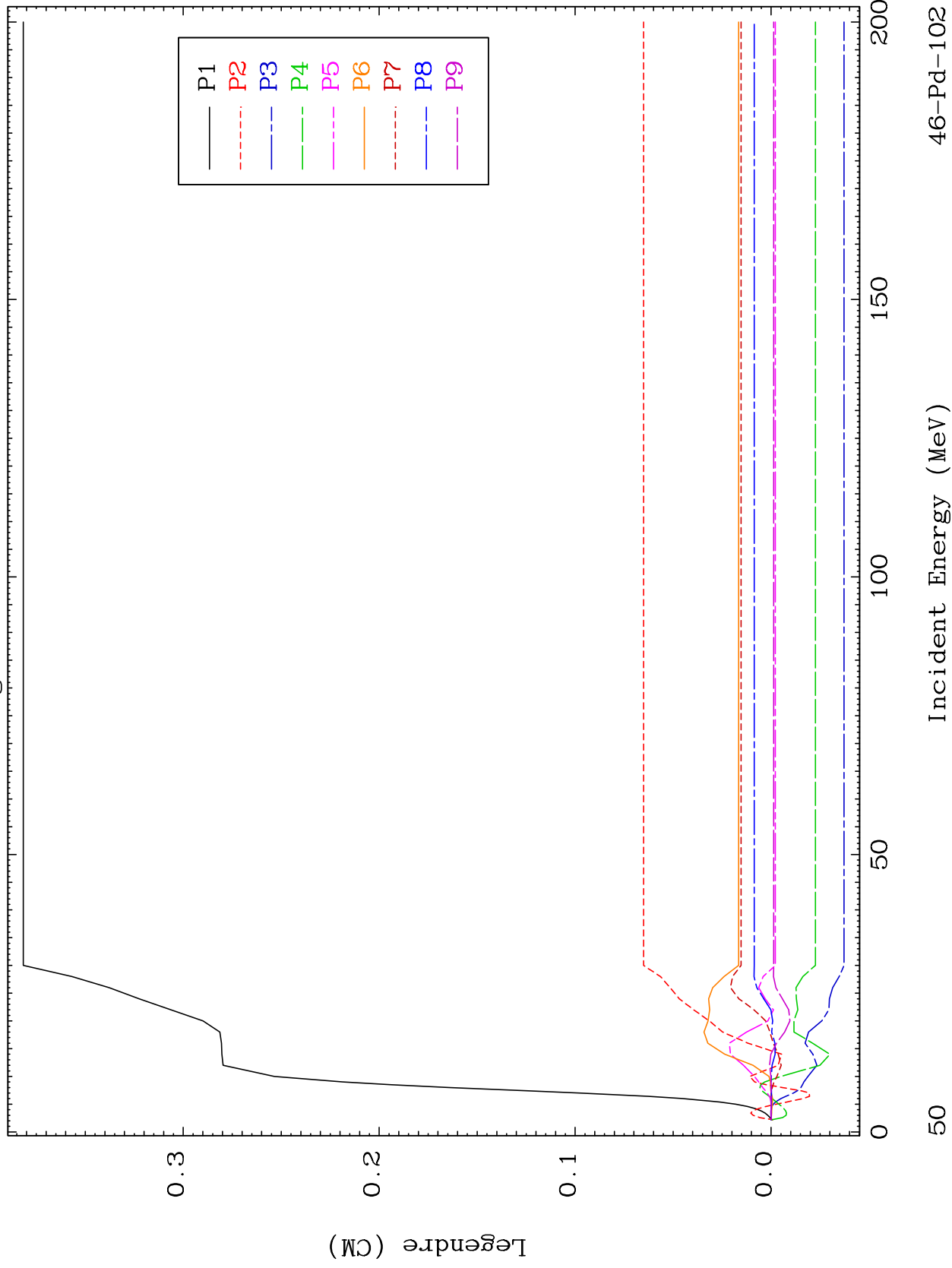
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102



46-Pd-102

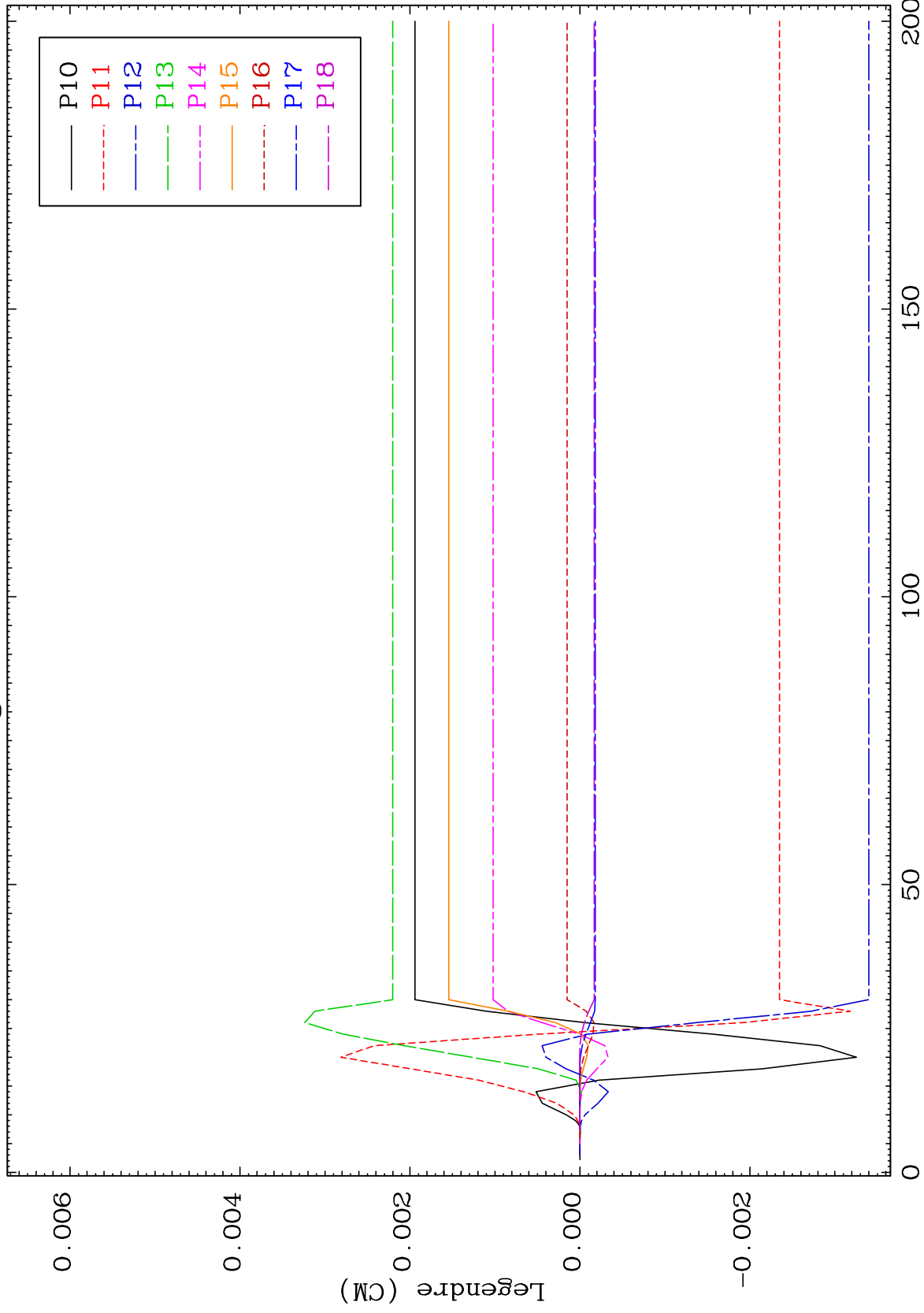
Incident Energy (MeV)

50

MAT 4625

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

46-Pd-102



51

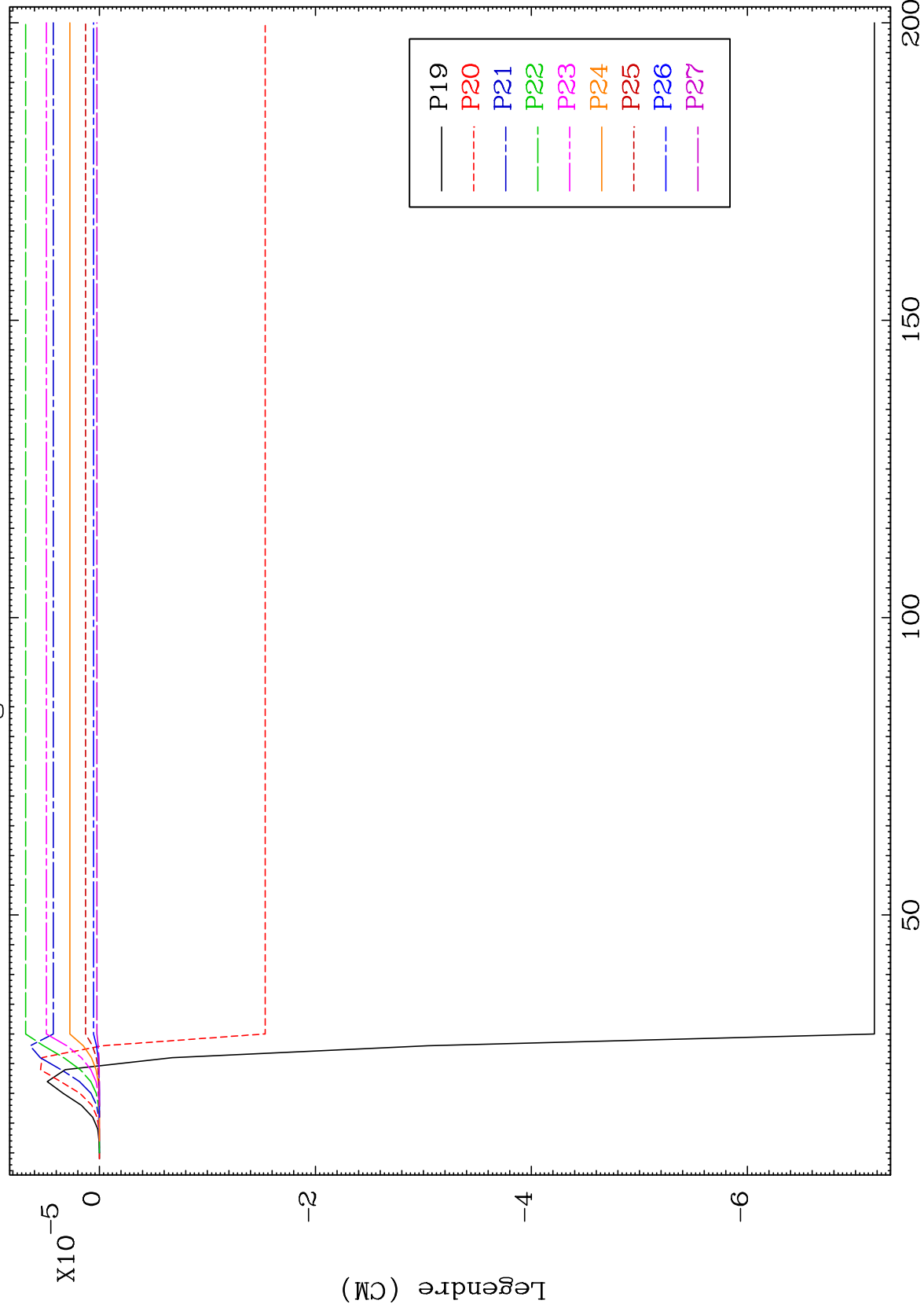
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102



52

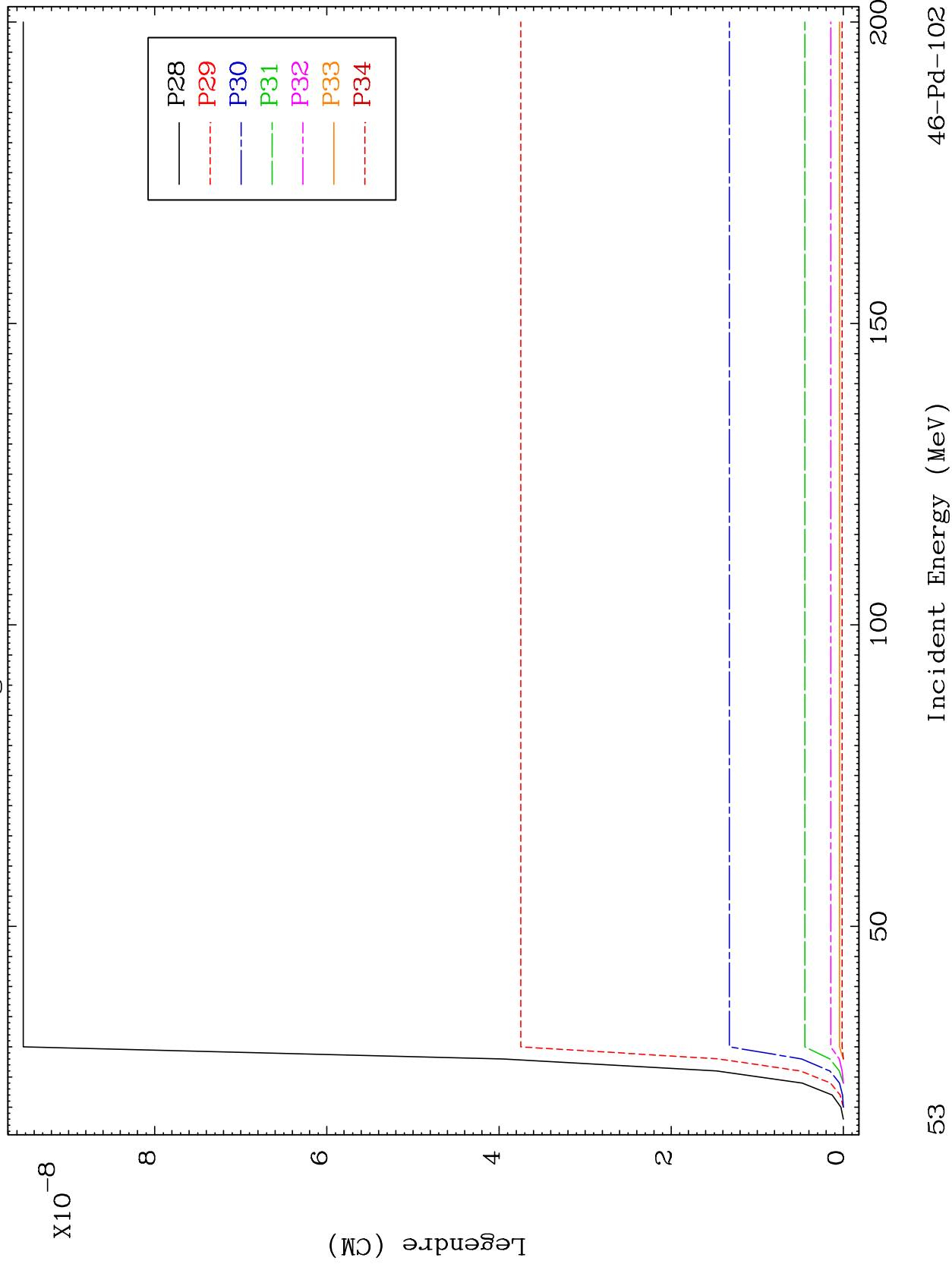
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102



53

Incident Energy (MeV)

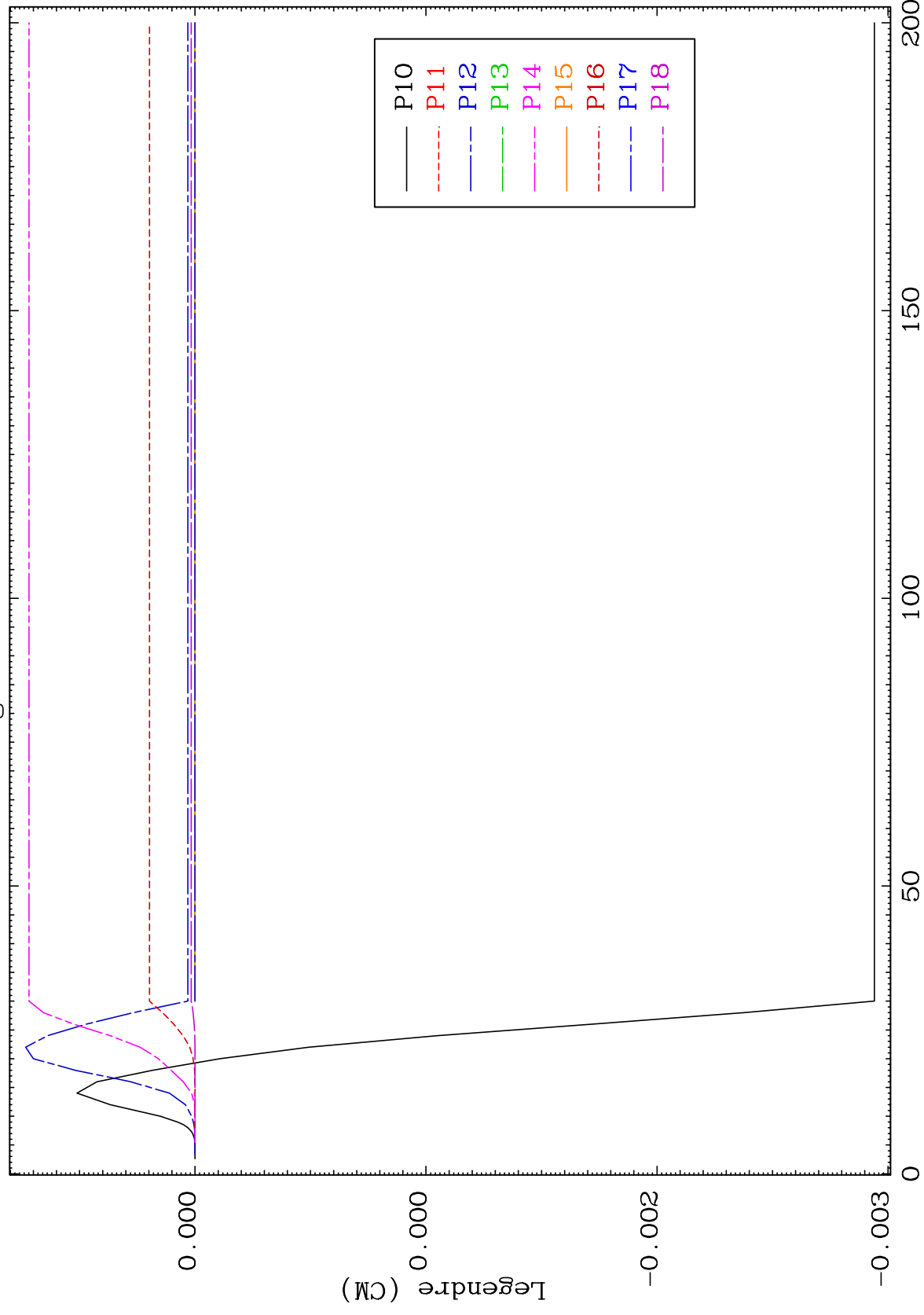
46-Pd-102



MAT 4625

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

46-Pd-102

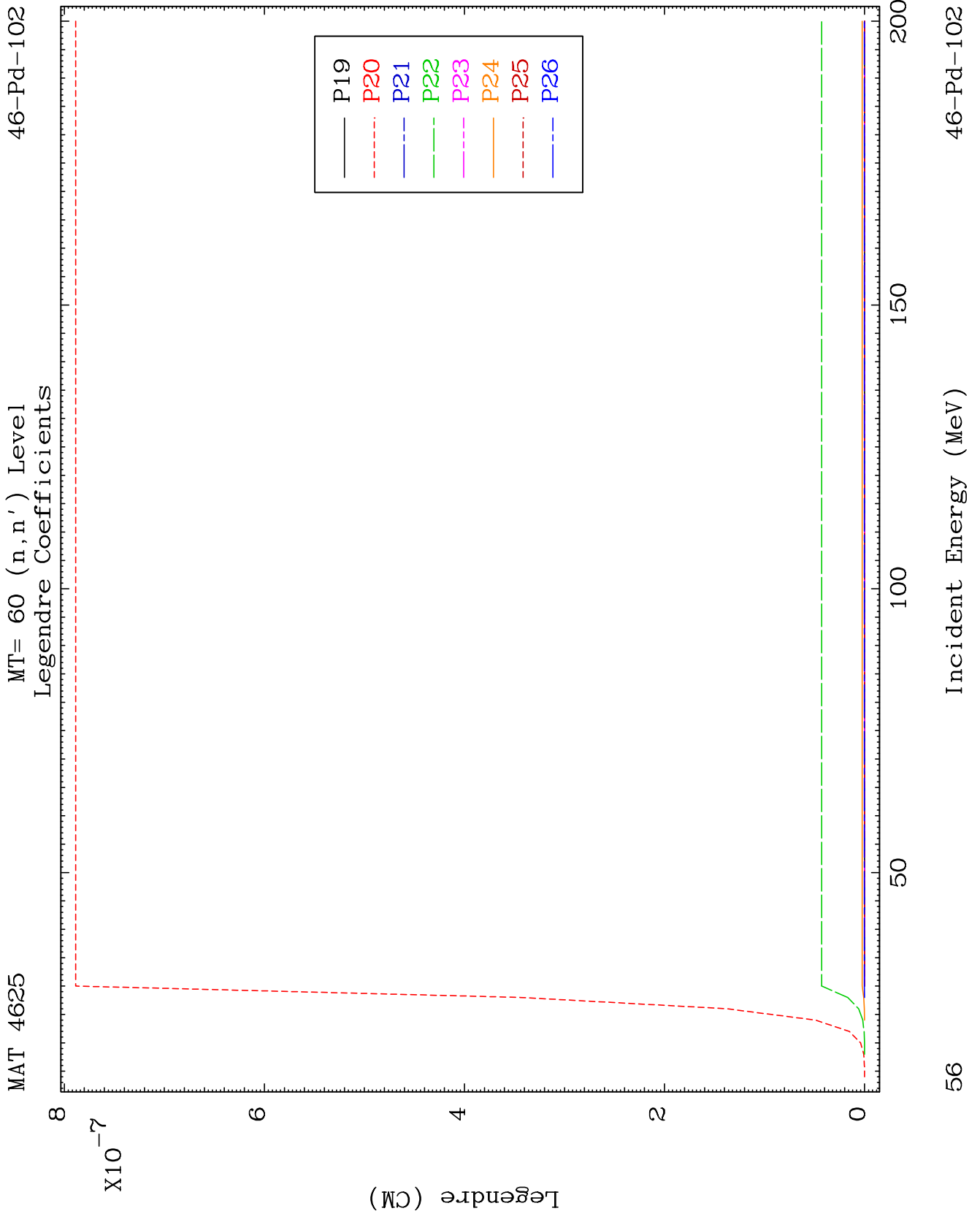


55

Incident Energy (MeV)

46-Pd-102

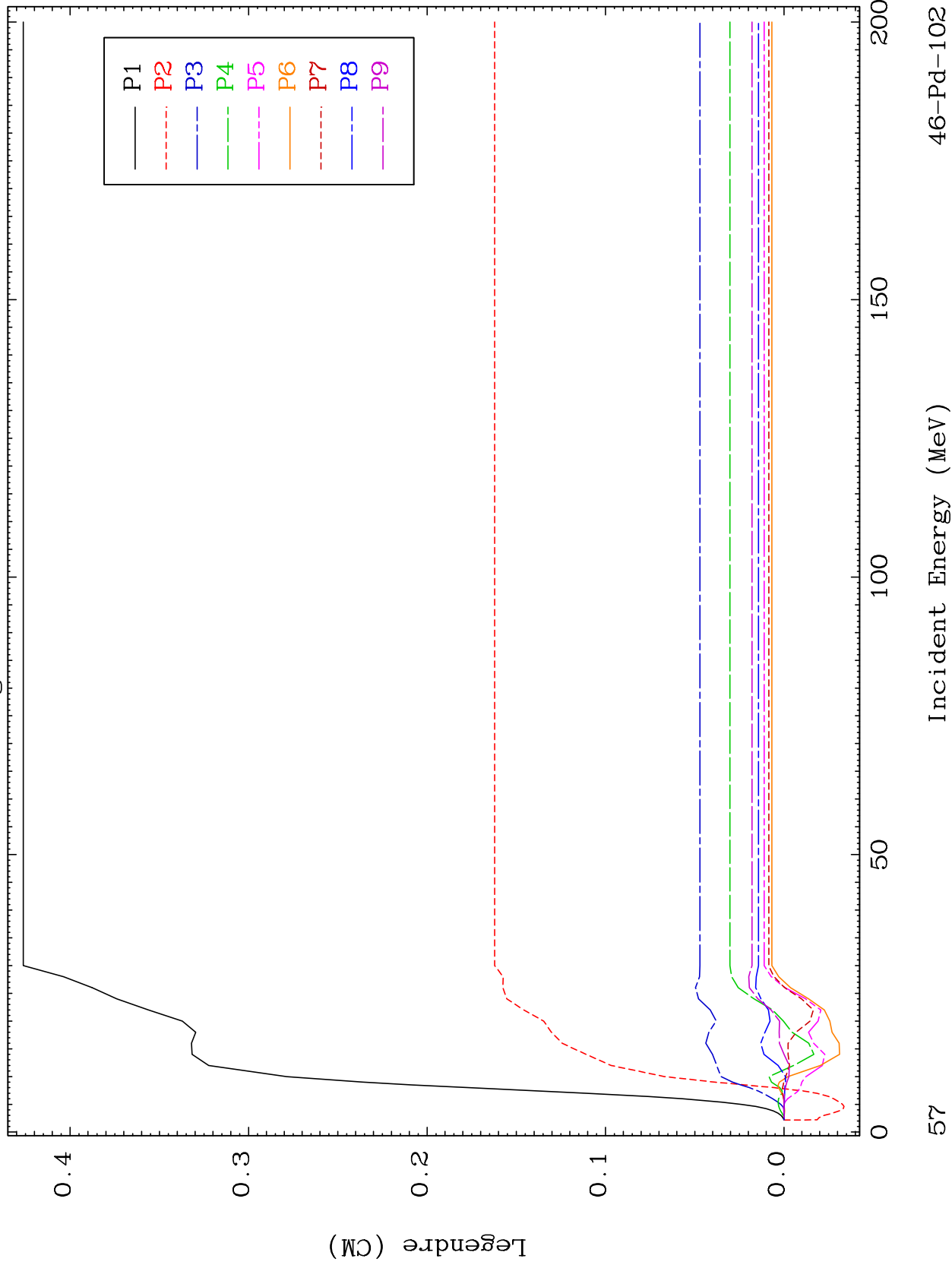




MAT 4625

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

46-Pd-102



57

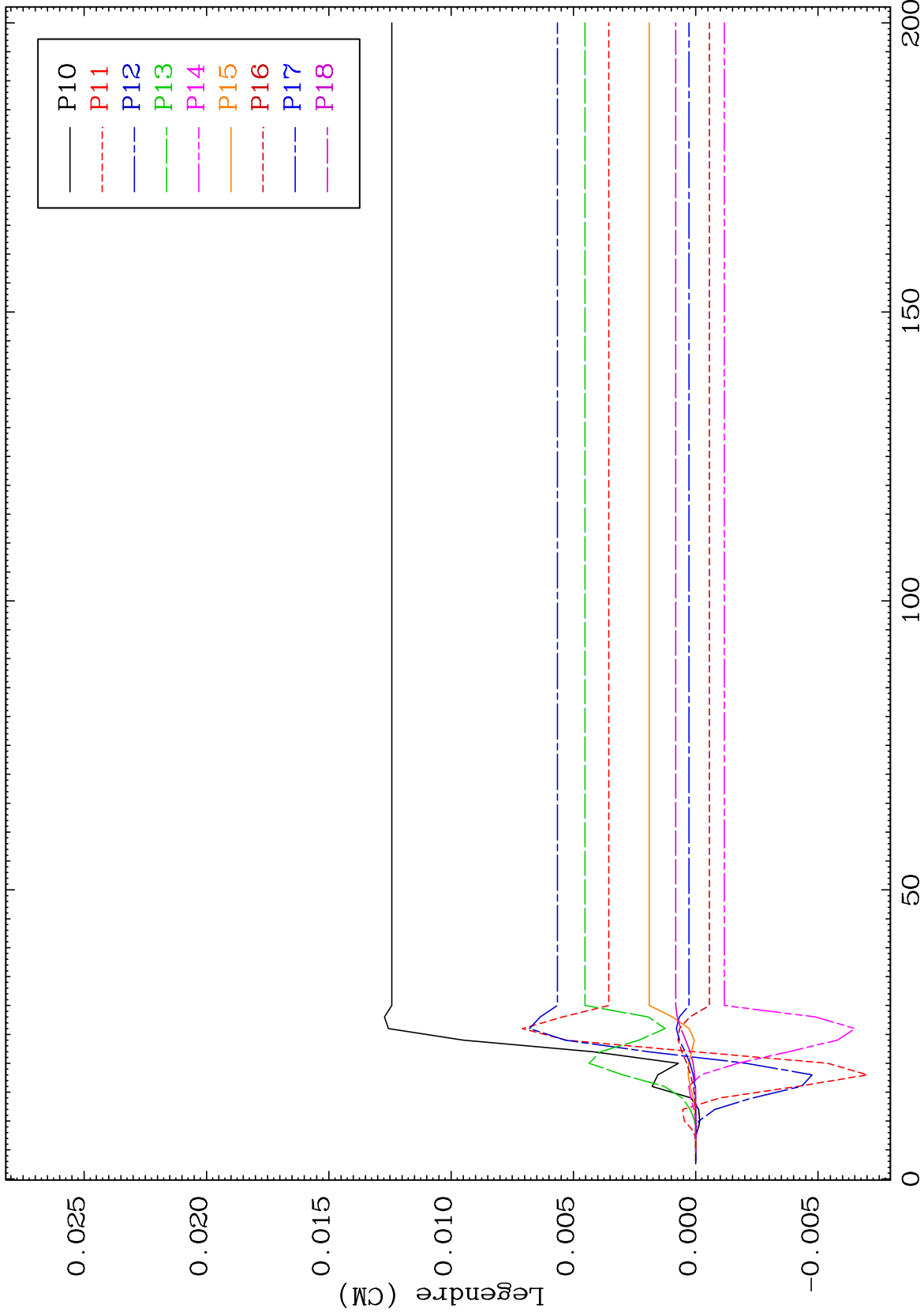
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102



58

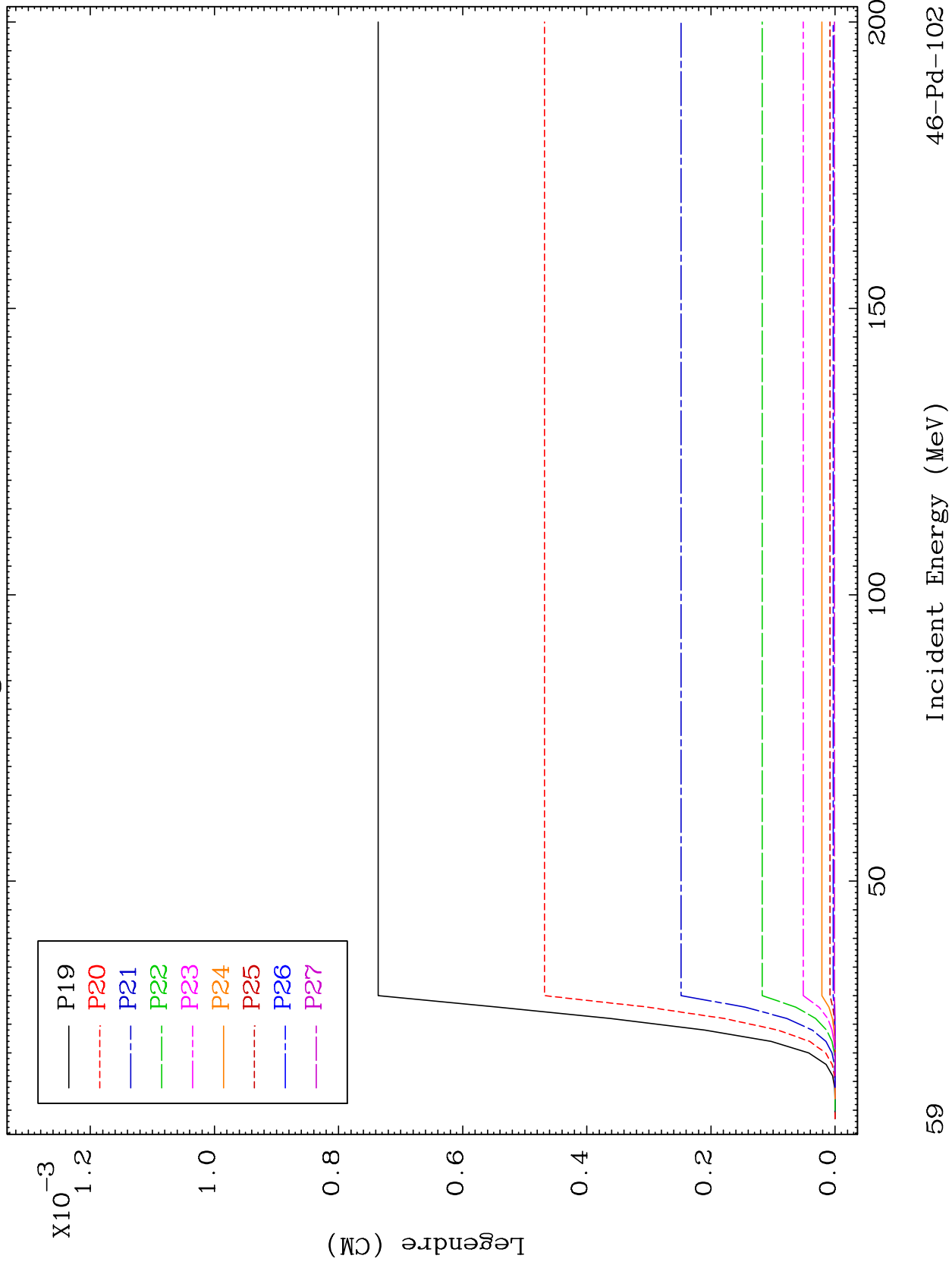
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102

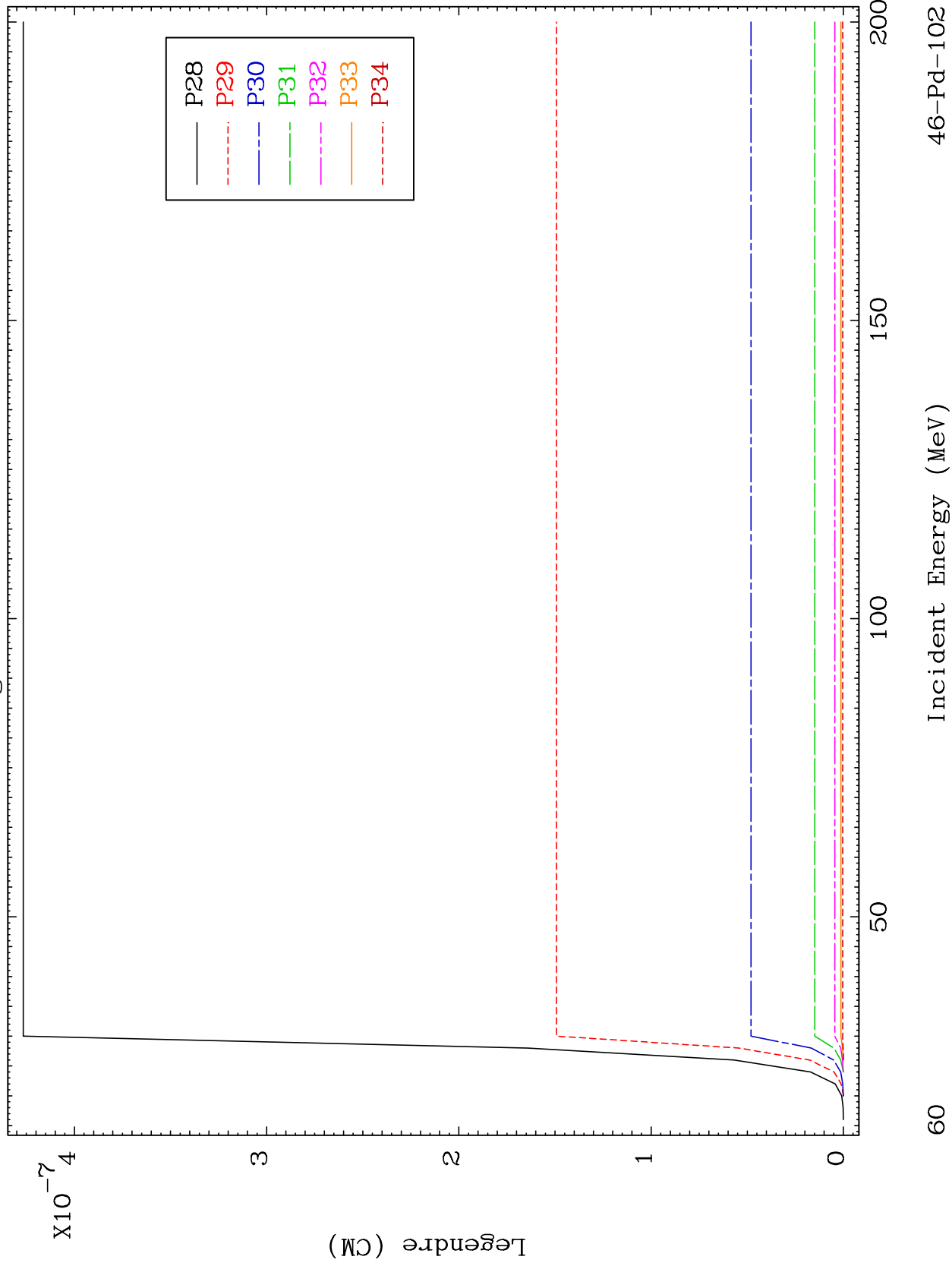


59

MAT 4625

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

46-Pd-102



46-Pd-102

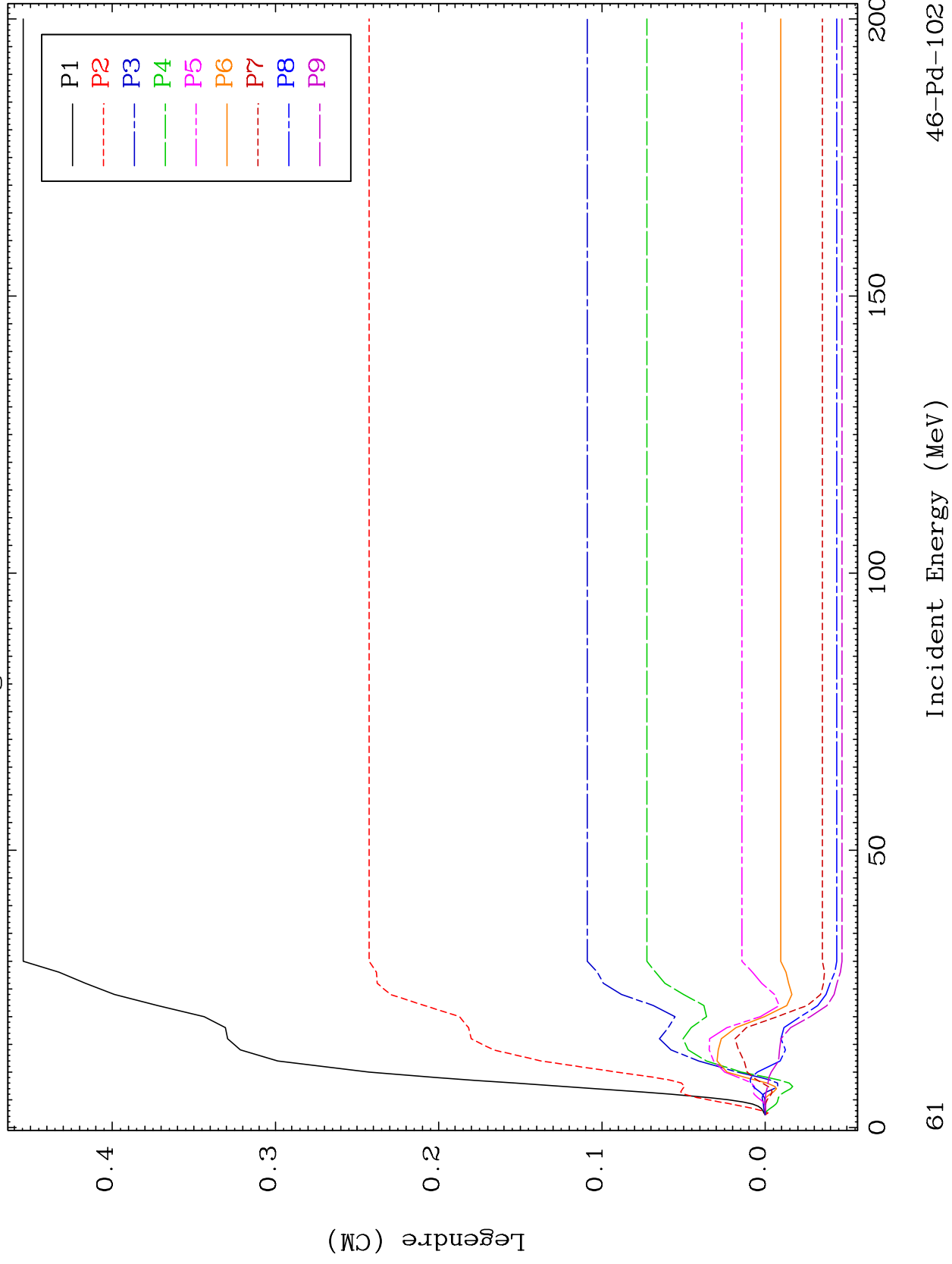
Incident Energy (MeV)

60

MAT 4625

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

46-Pd-102



61

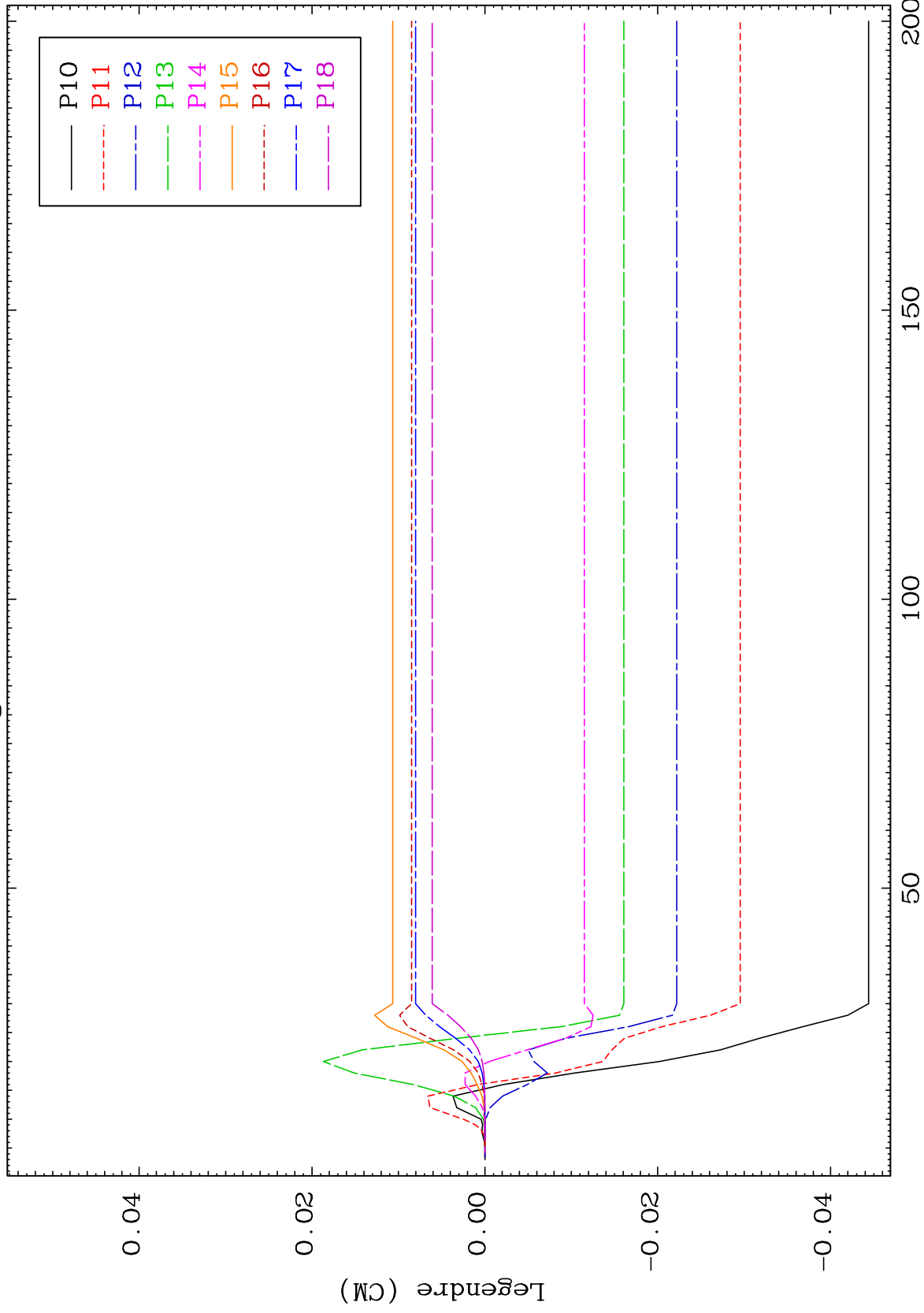
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102



62

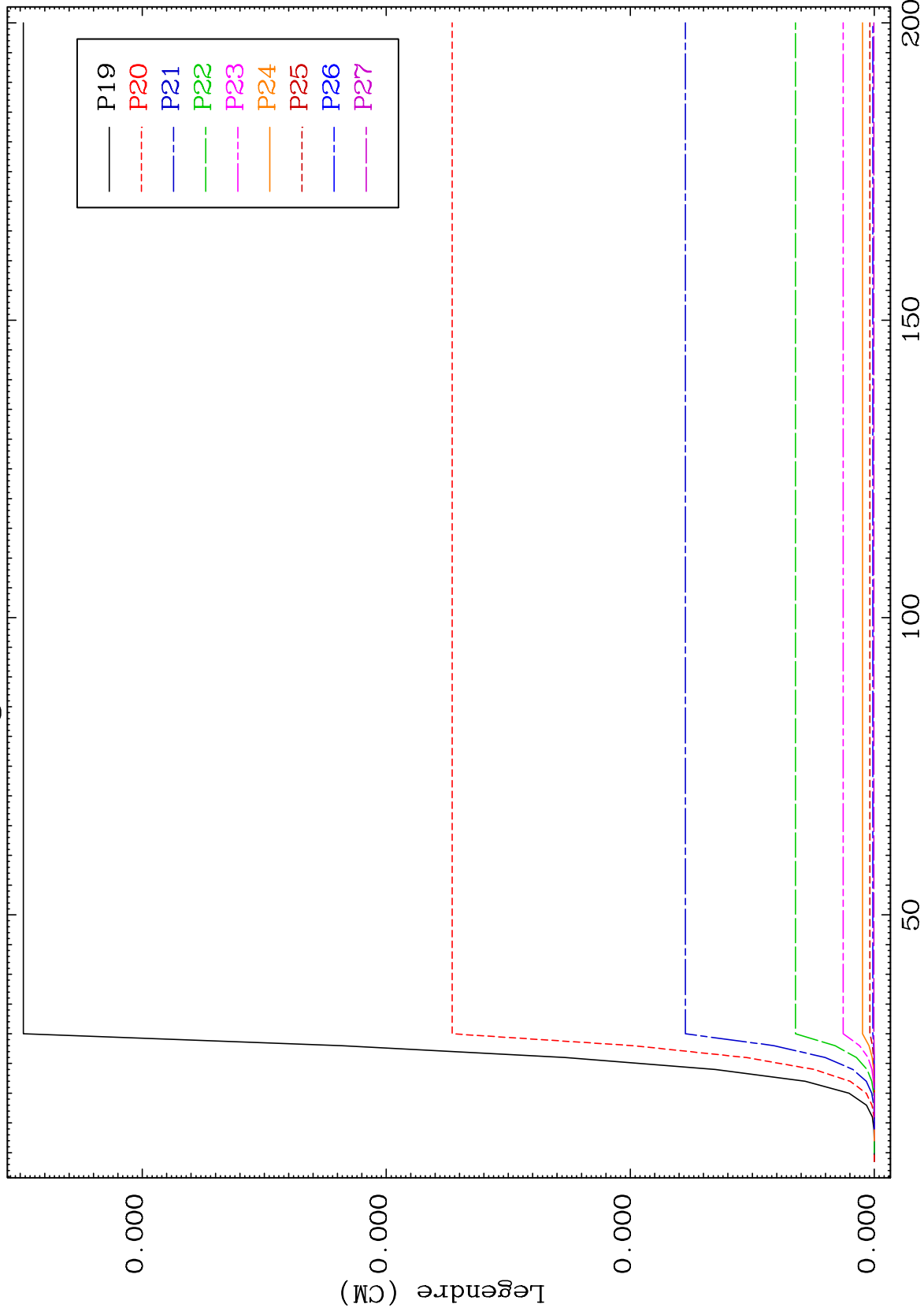
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102



63

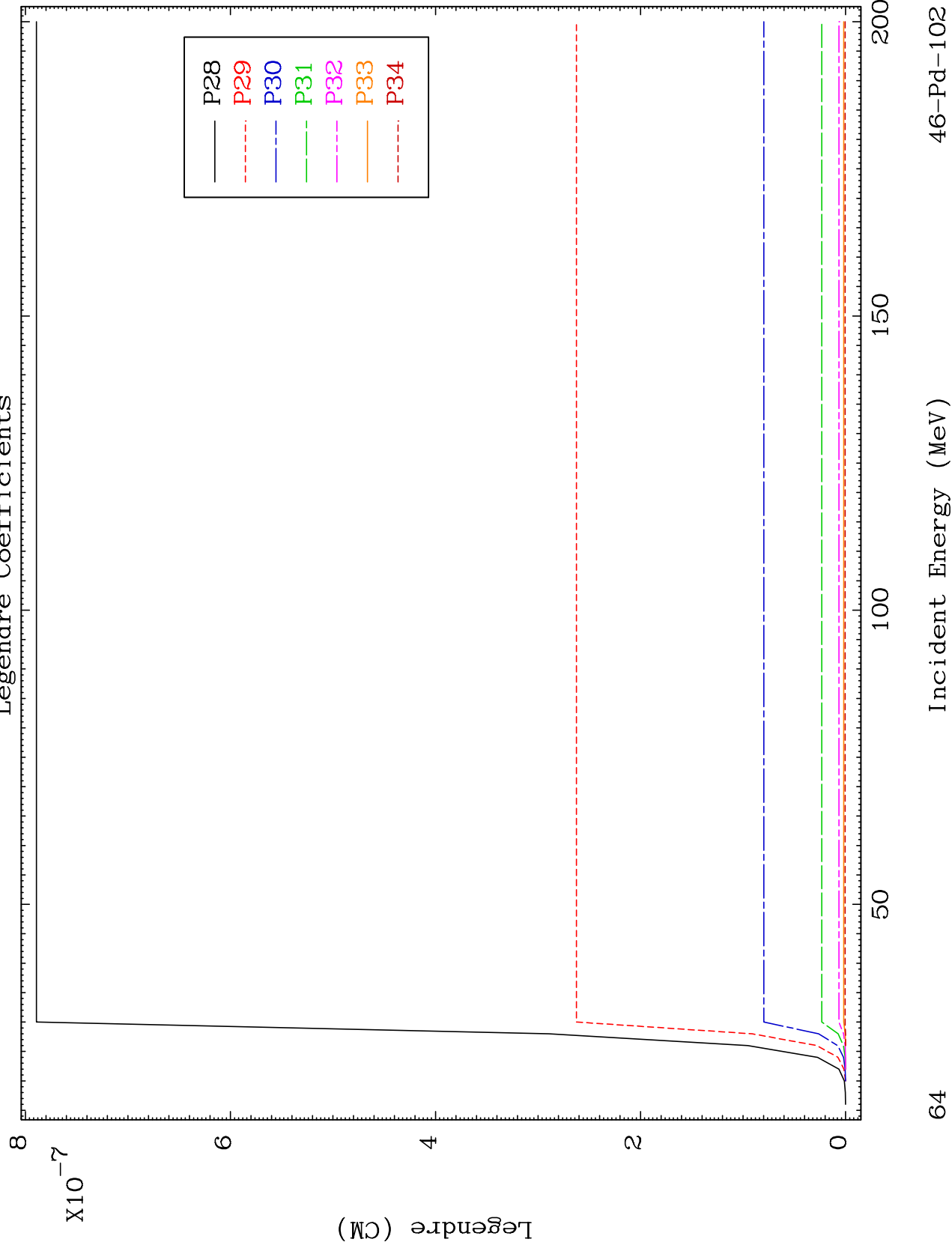
46-Pd-102



MAT 4625

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

46-Pd-102



64

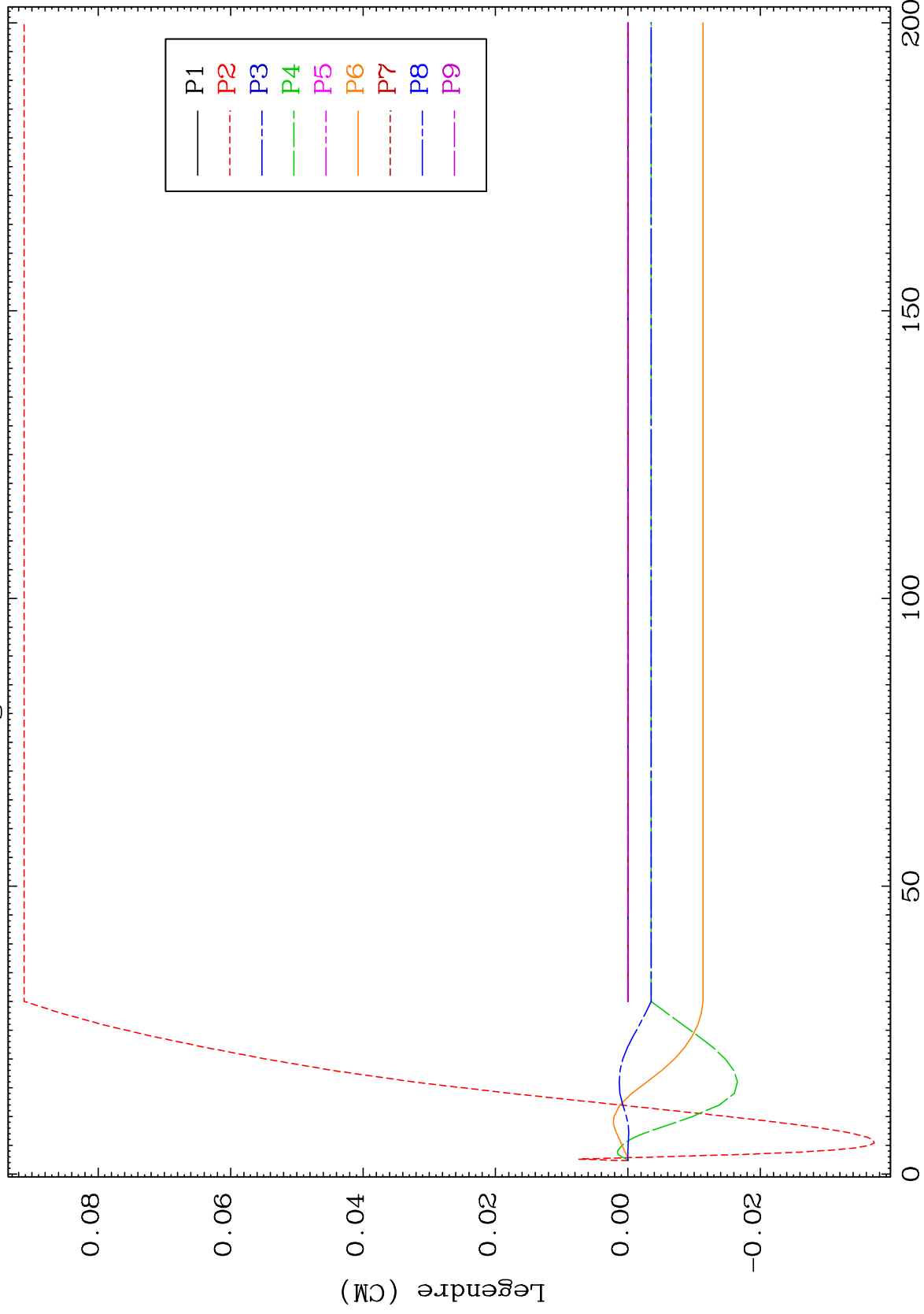
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102



65

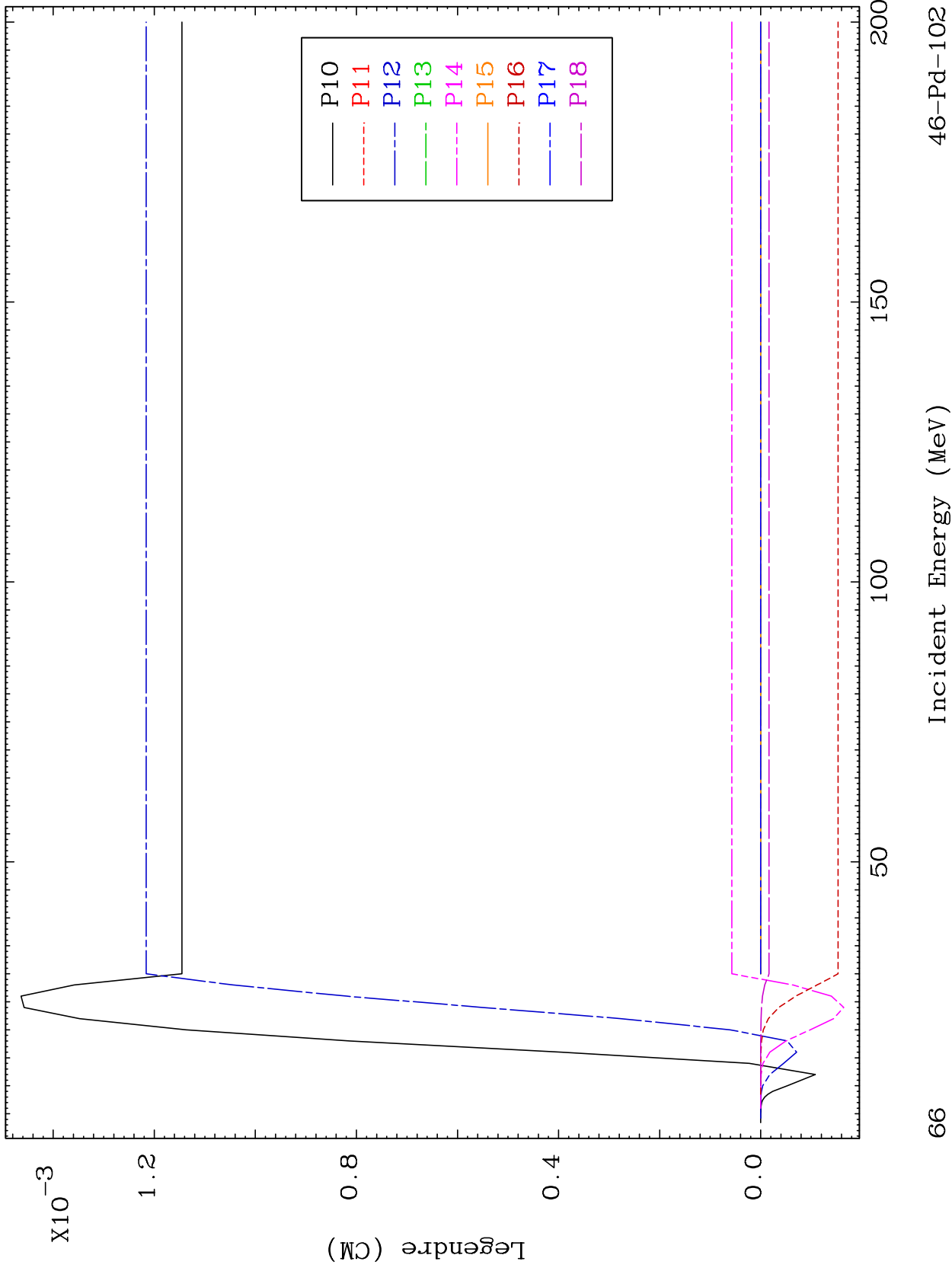
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102

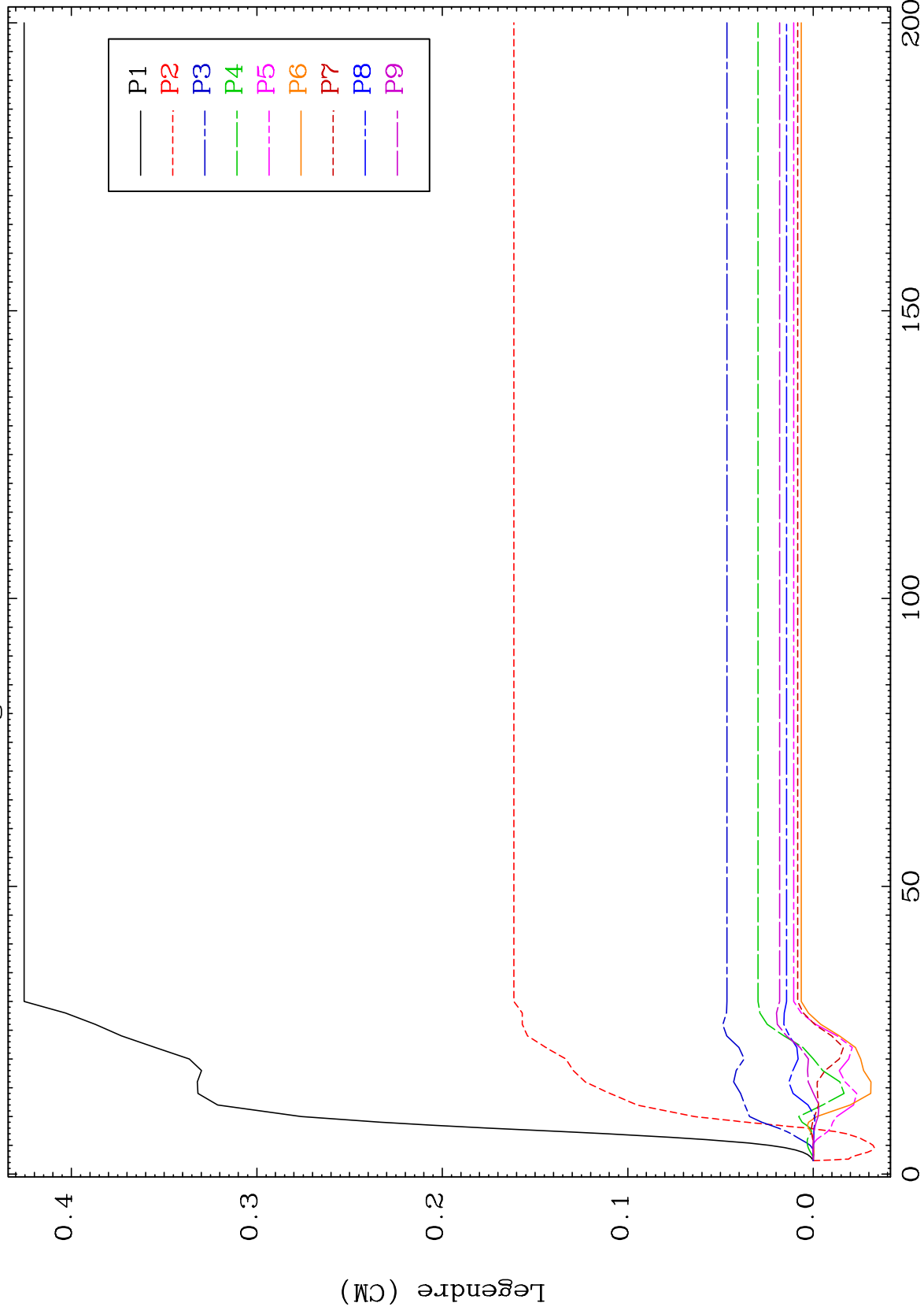




MAT 4625

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

46-Pd-102



68

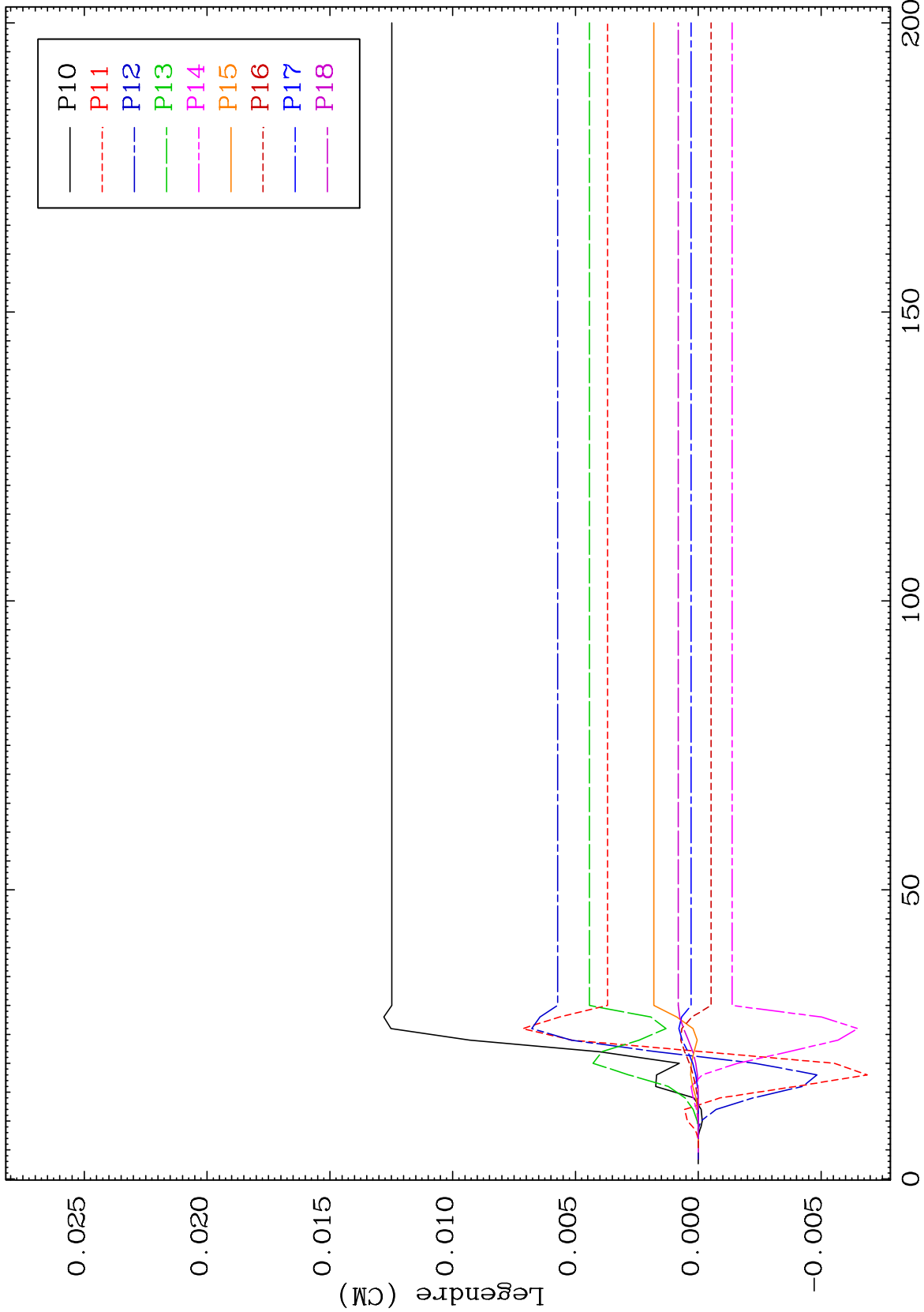
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102



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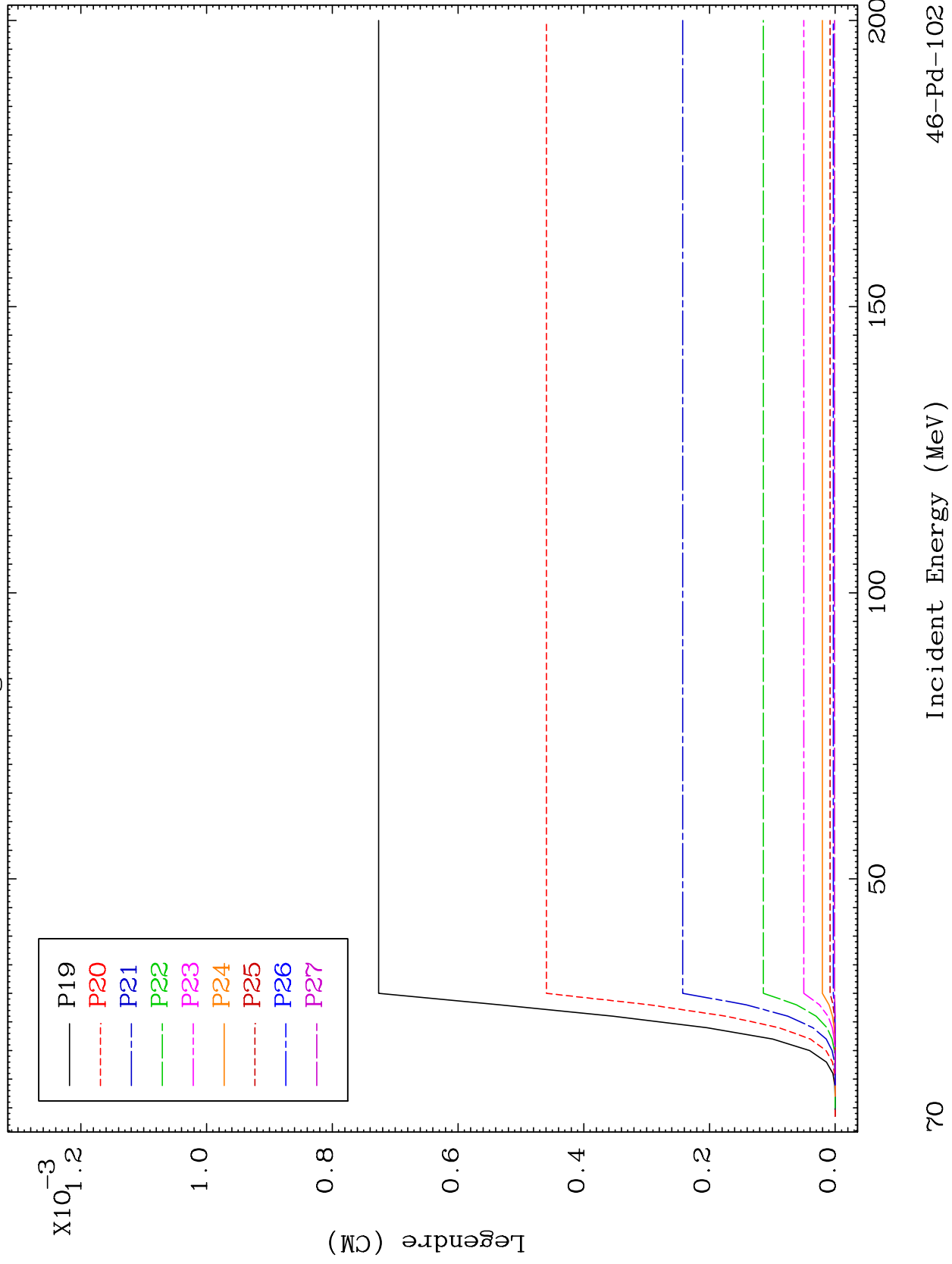
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

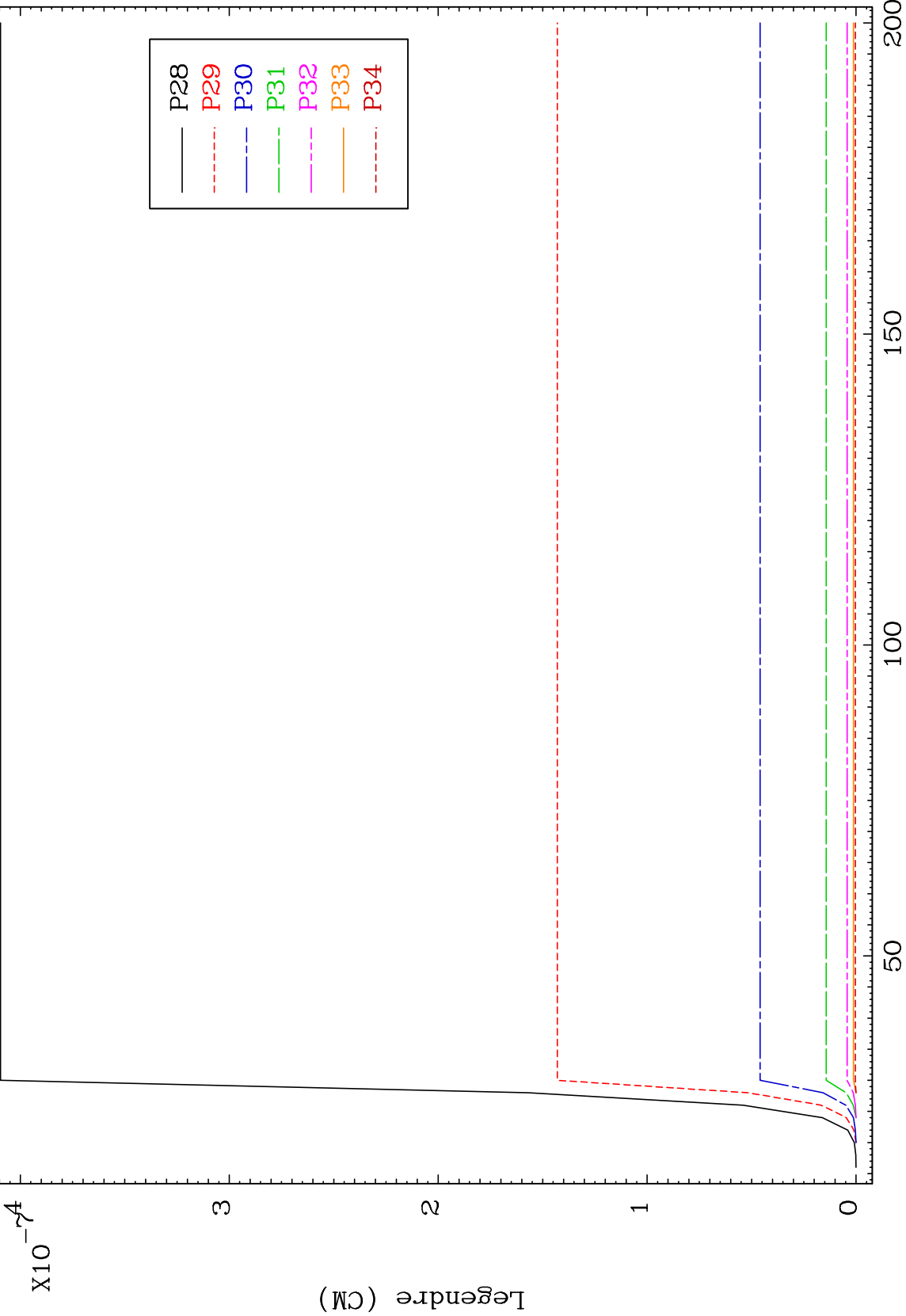
46-Pd-102



MAT 4625

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

46-Pd-102



71

Incident Energy (MeV)

46-Pd-102

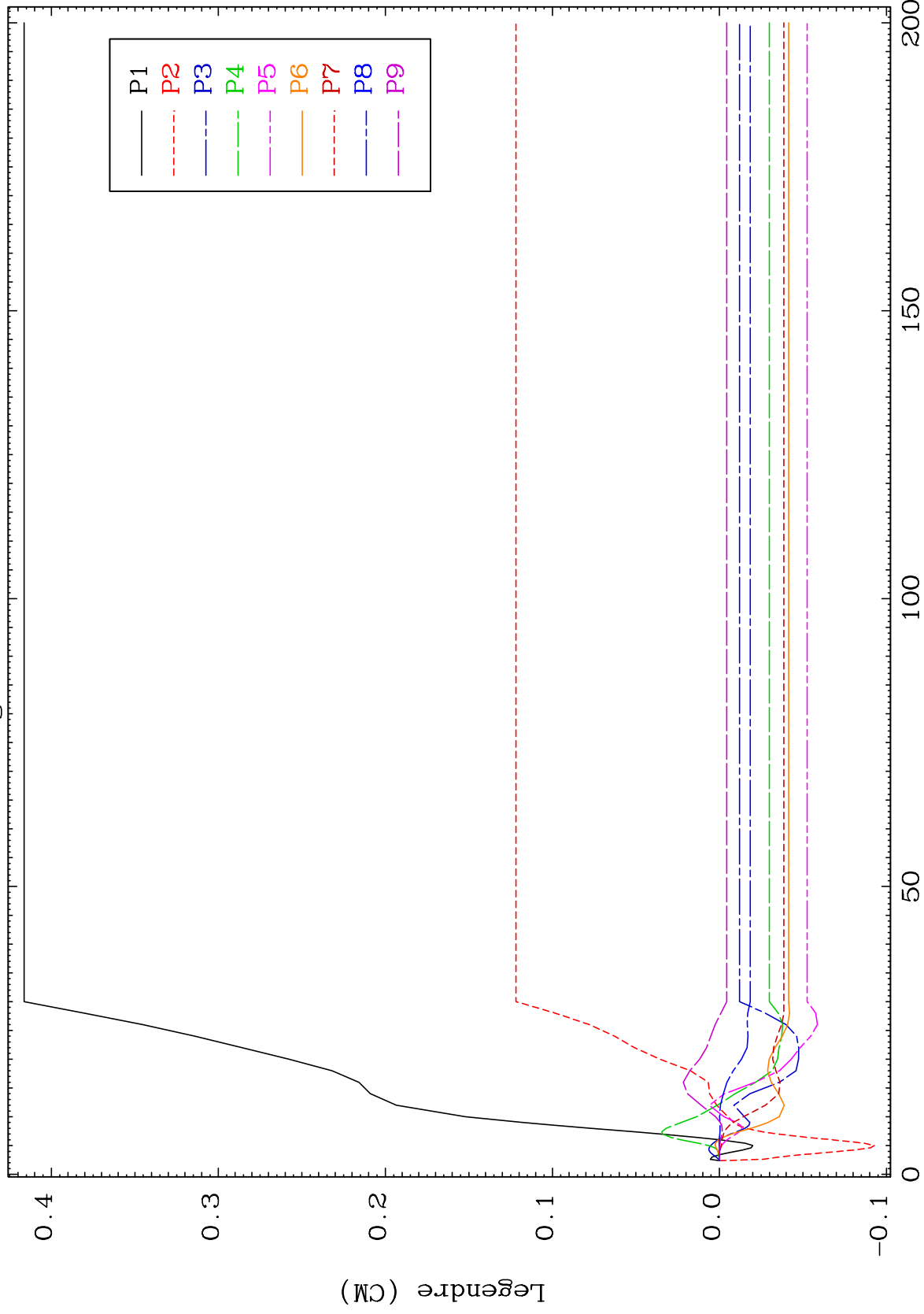


MAT 4625

MT= 65 (n,n') Level

46-Pd-102

Legendre Coefficients



72

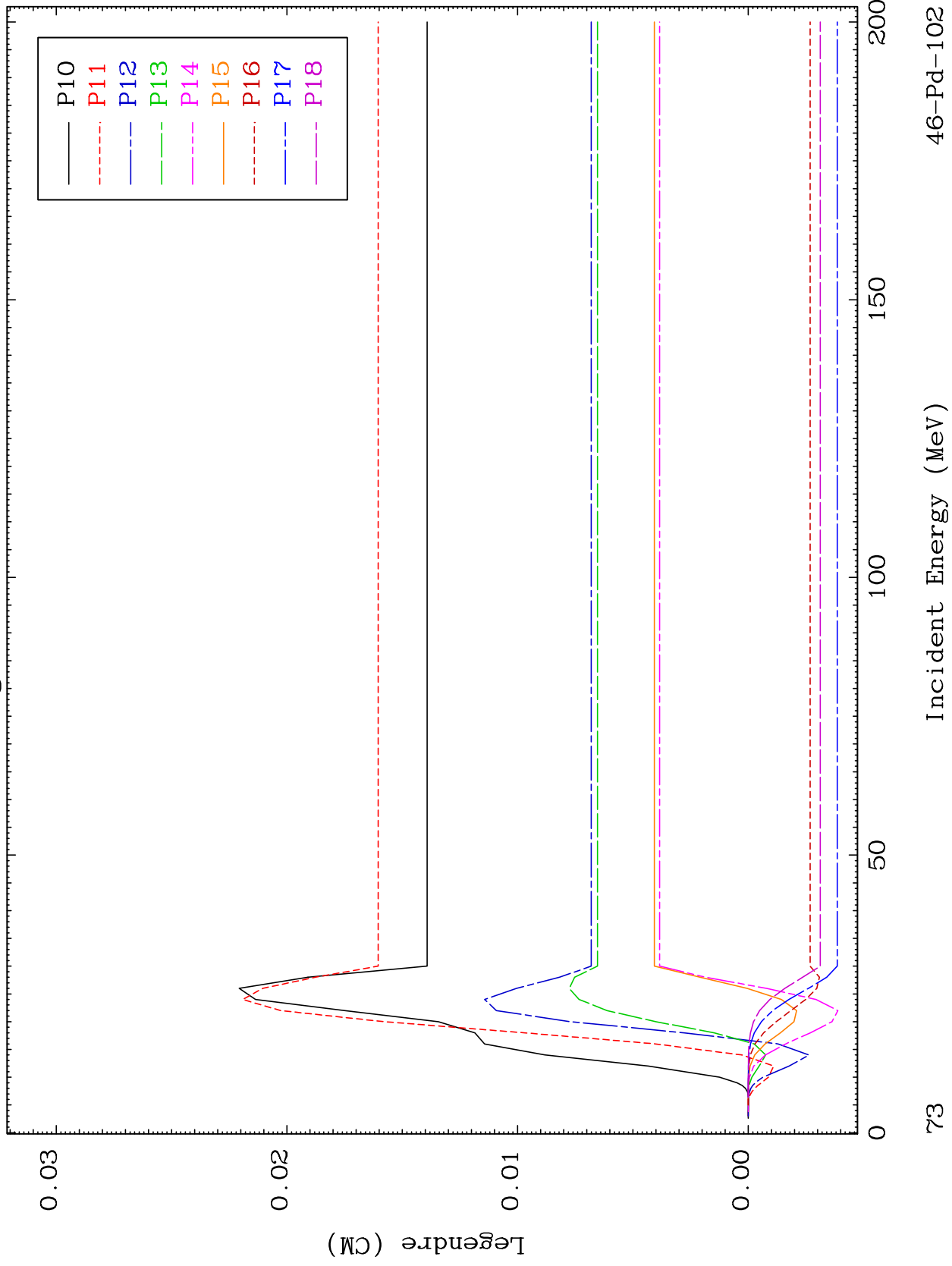
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

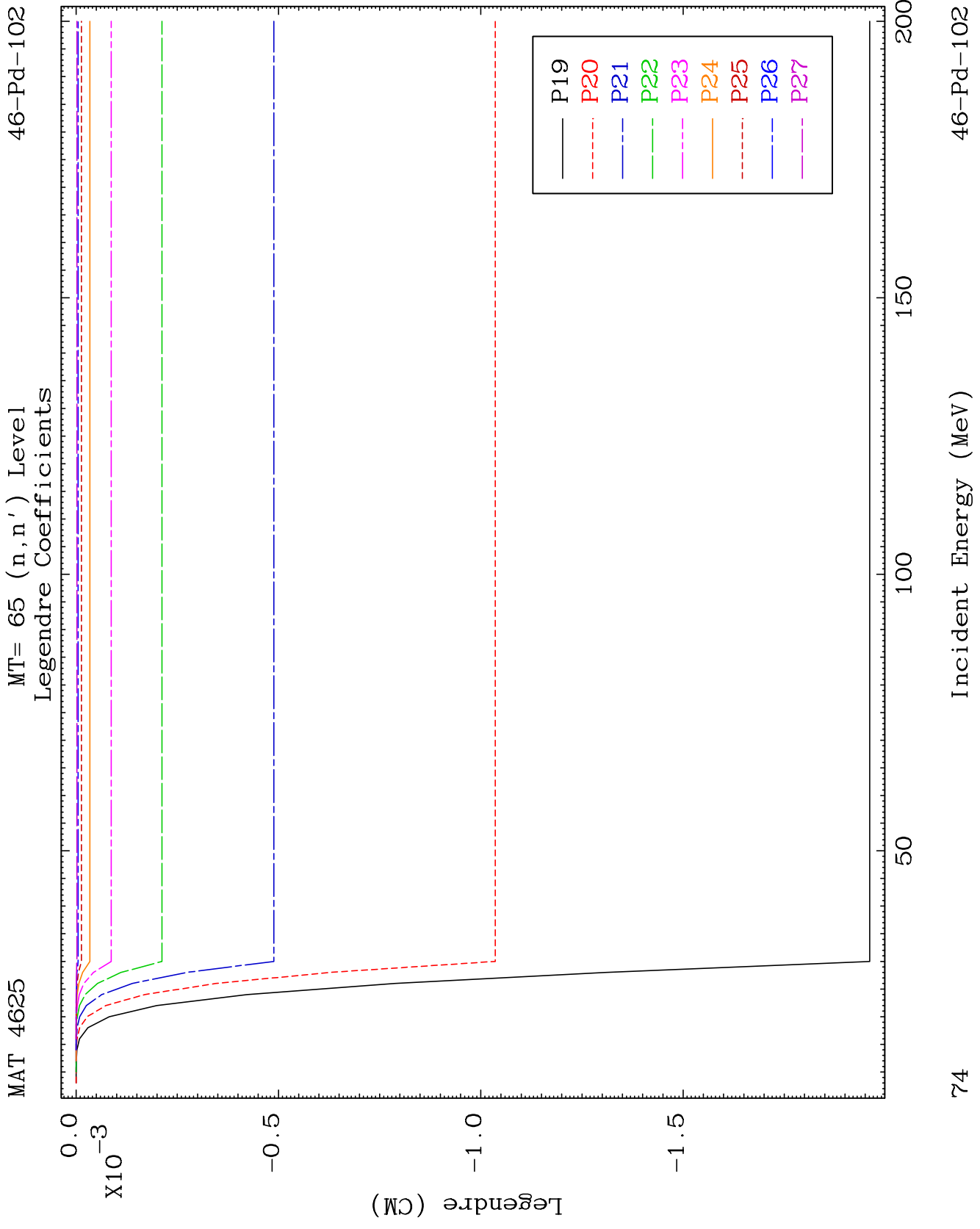
46-Pd-102

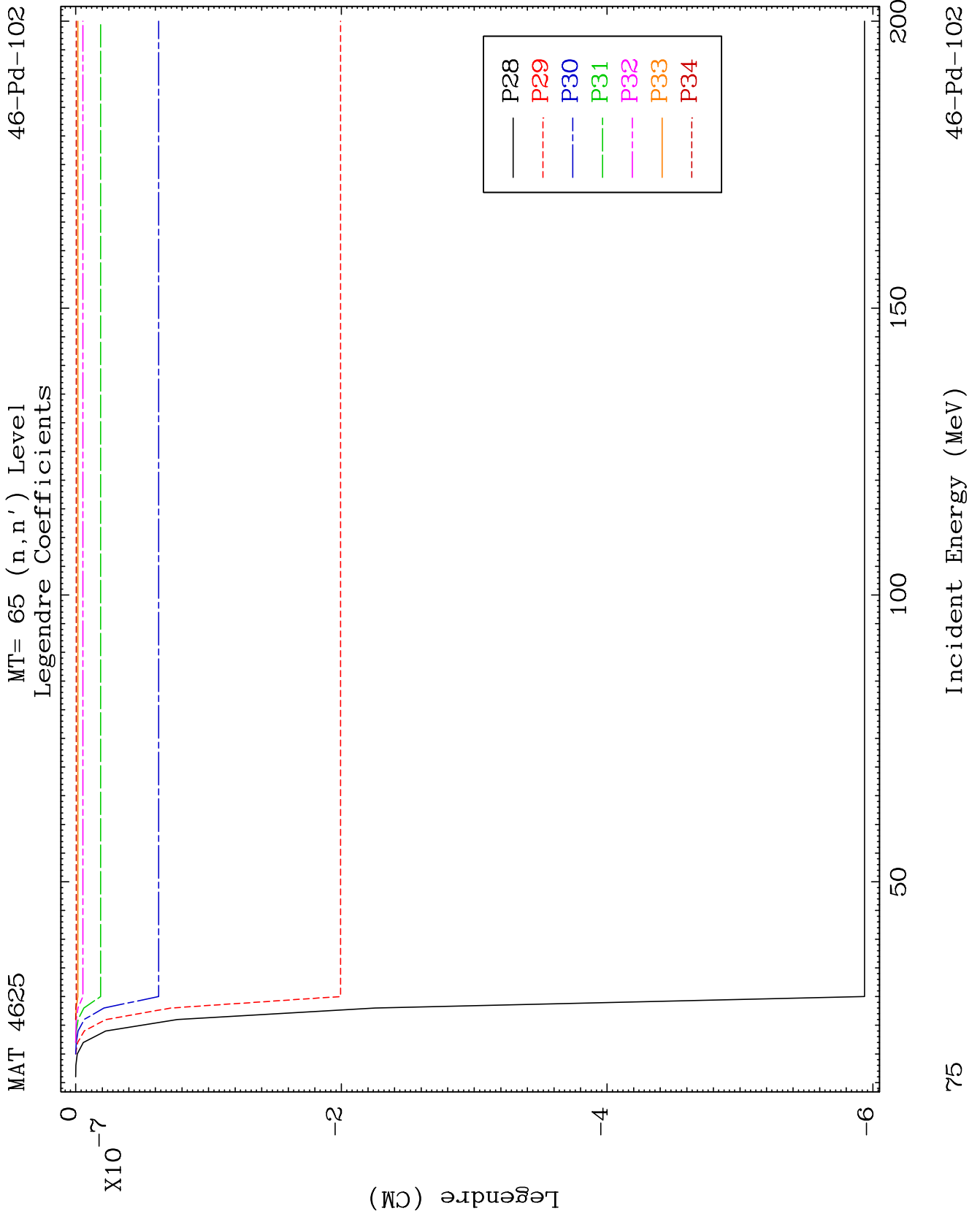


73

Incident Energy (MeV)

46-Pd-102



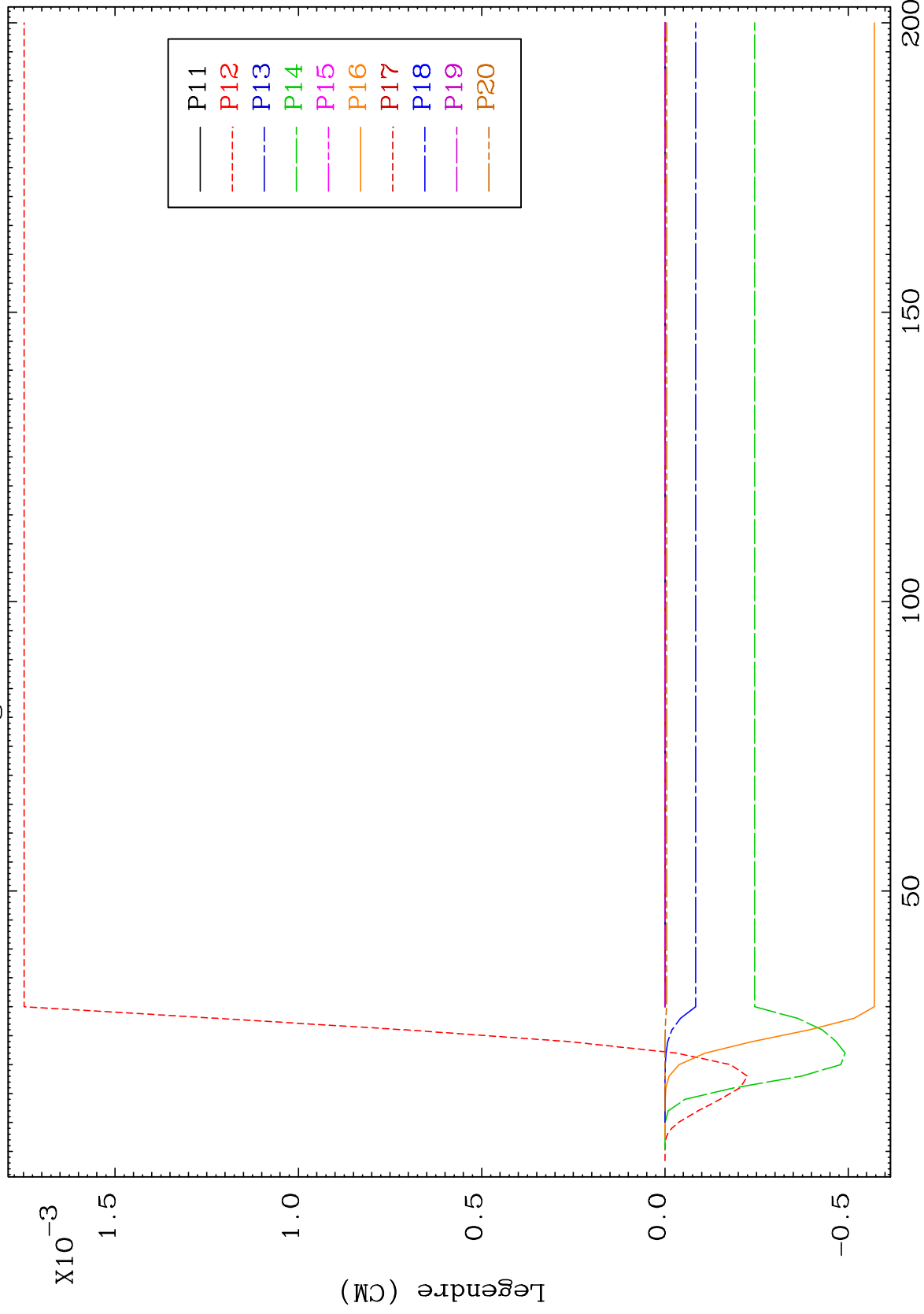




MAT 4625

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

46-Pd-102



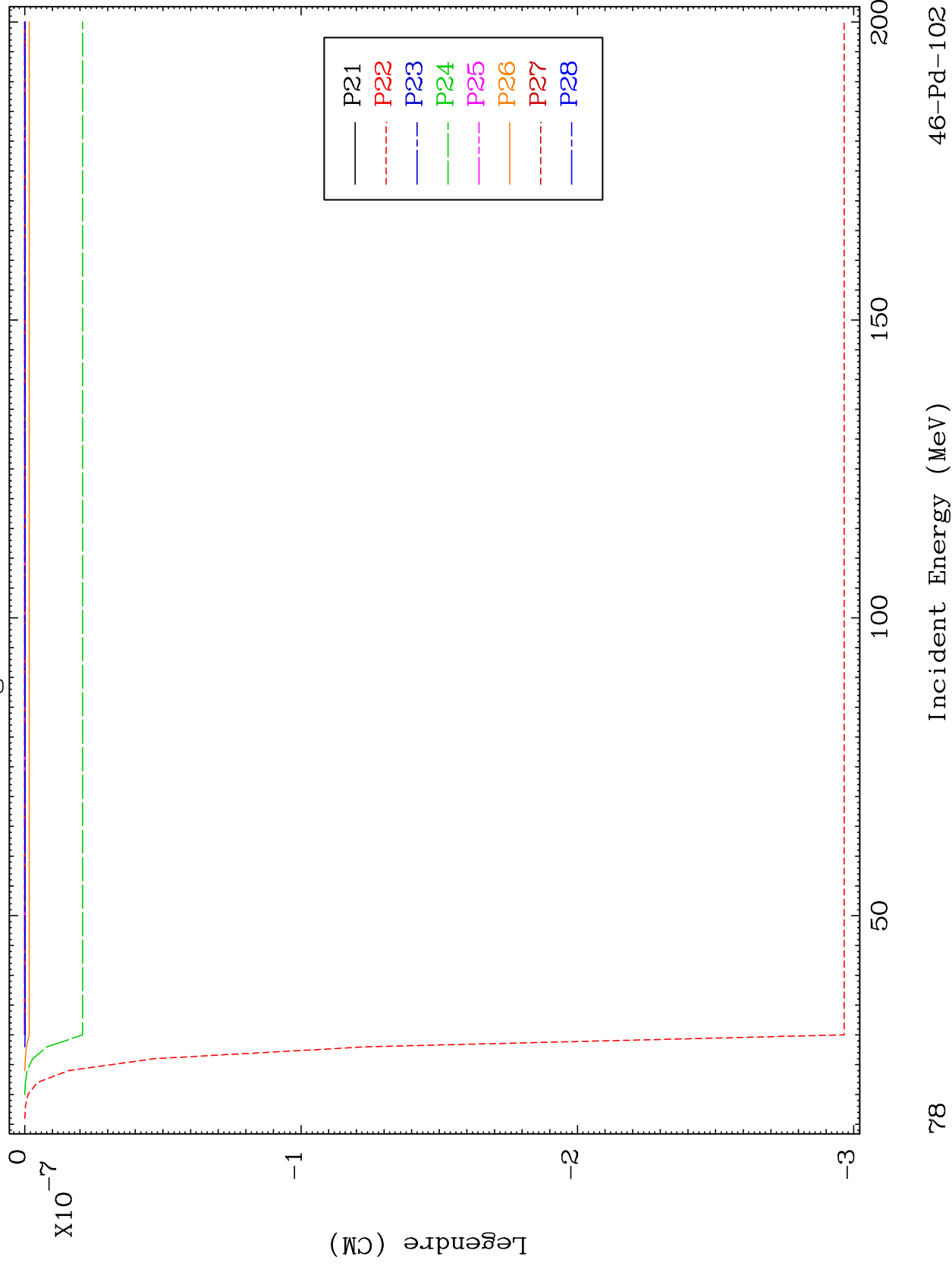
77

46-Pd-102

MAT 4625

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

46-Pd-102



78

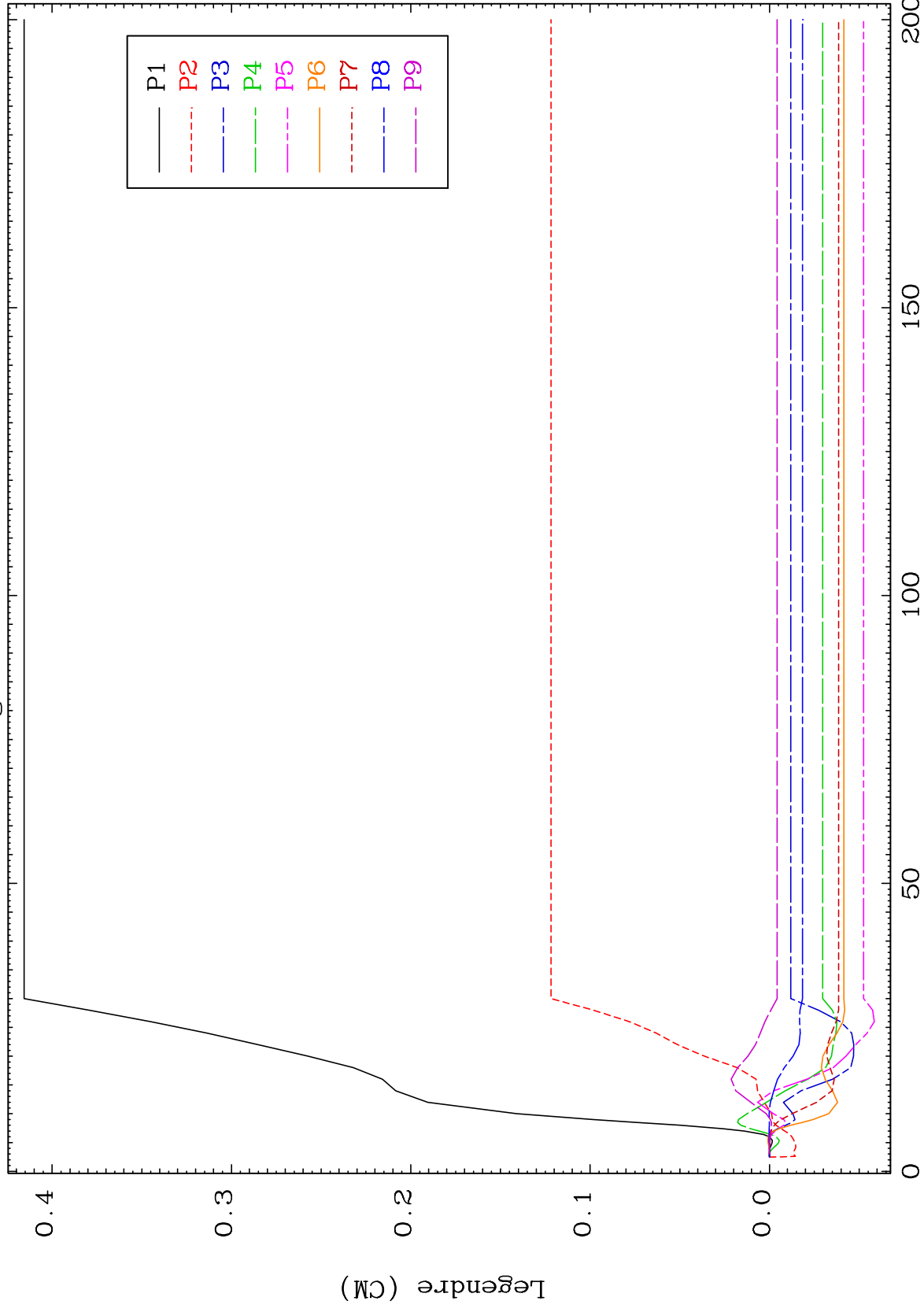
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102



79

Incident Energy (MeV)

46-Pd-102



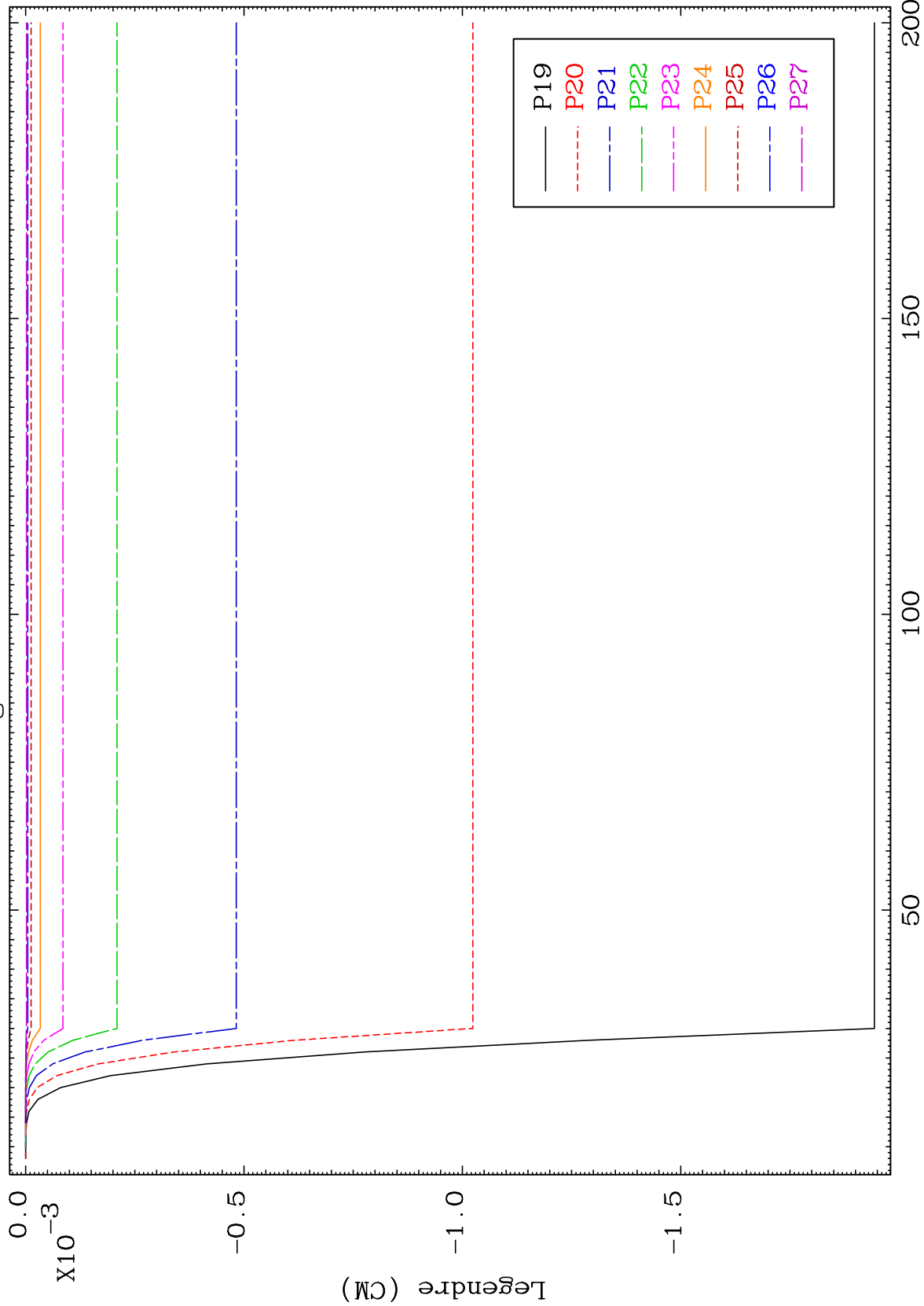


MAT 4625

MT= 67 (n,n') Level

46-Pd-102

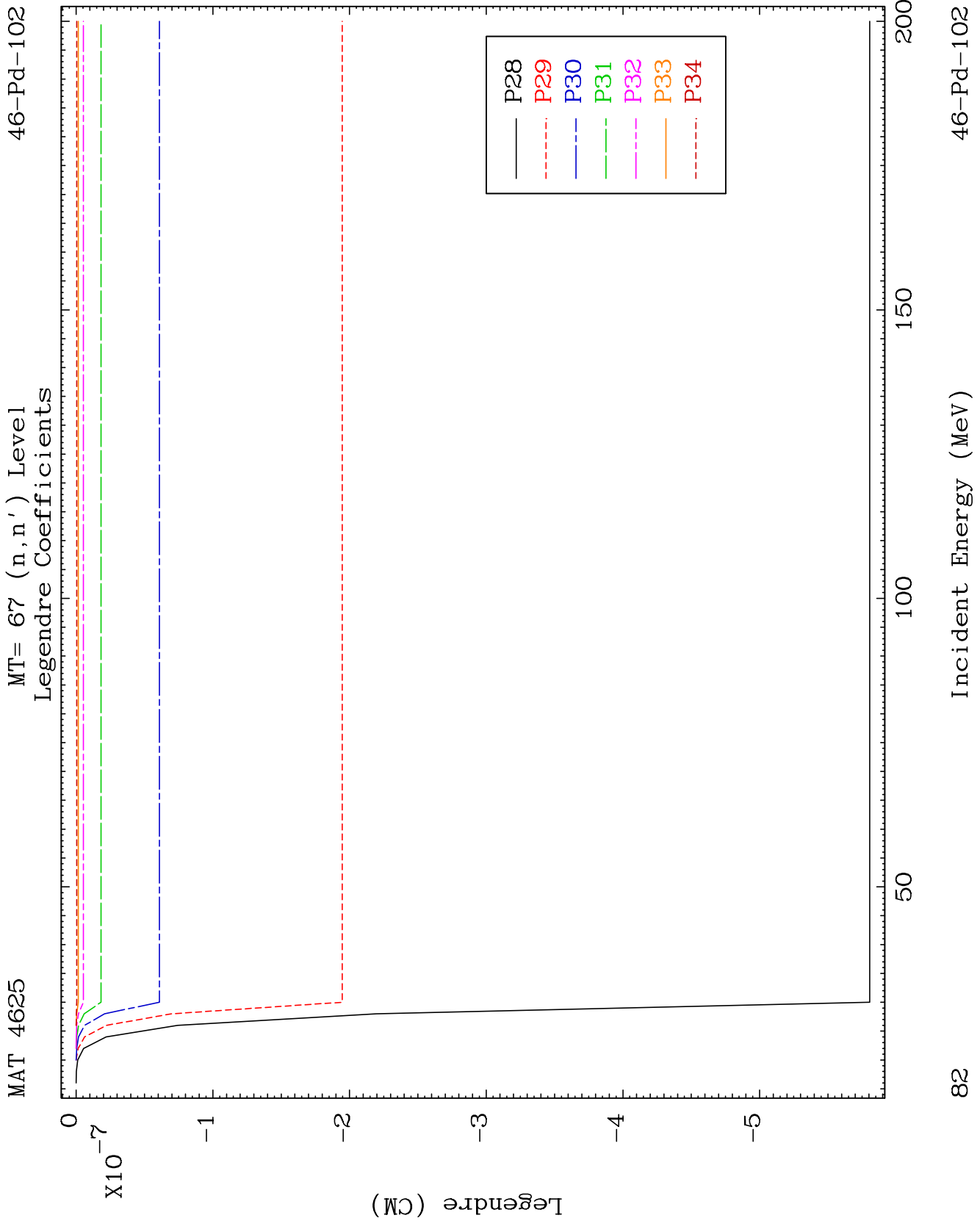
Legendre Coefficients



46-Pd-102

Incident Energy (MeV)

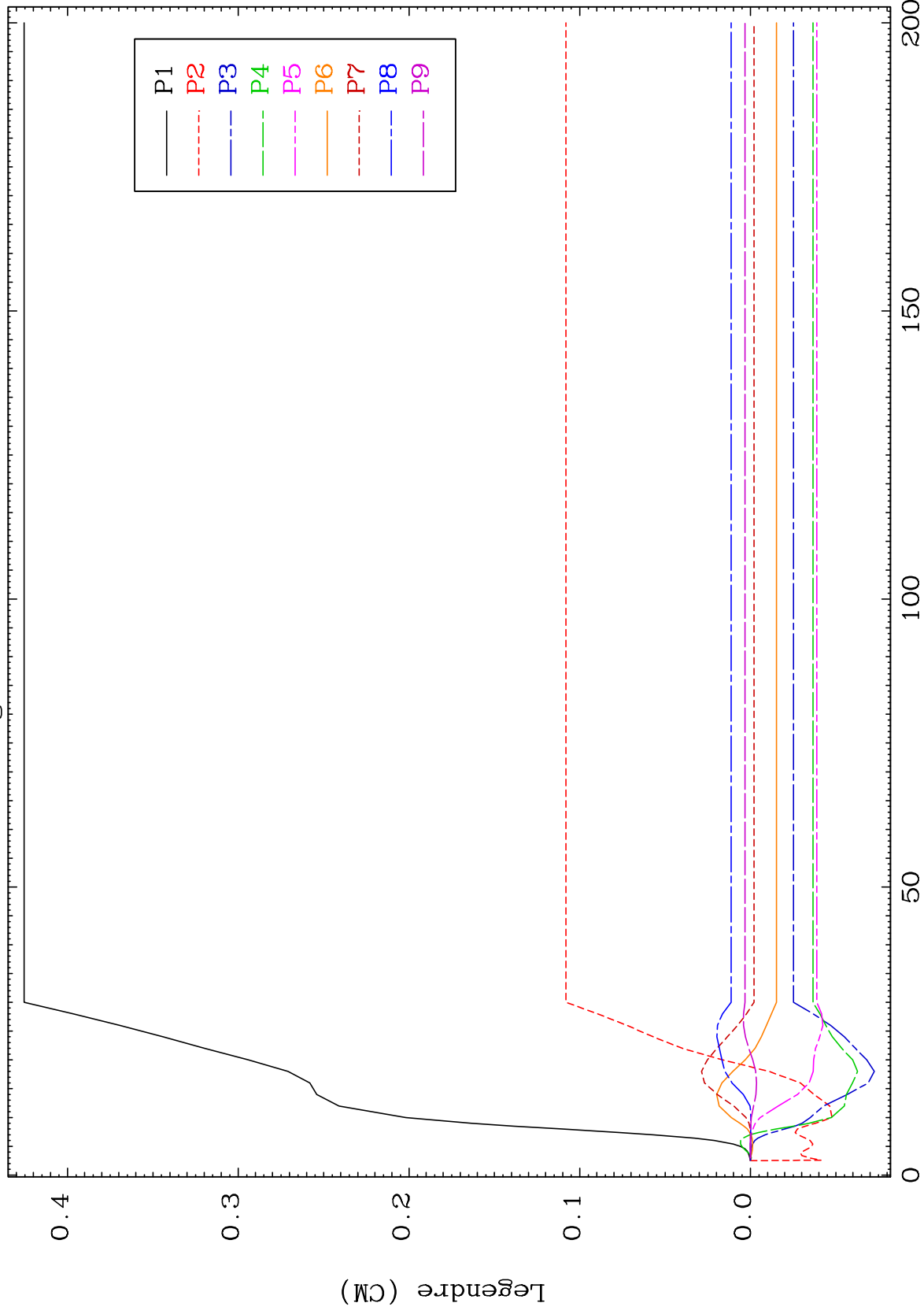
81



MAT 4625

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

46-Pd-102



83

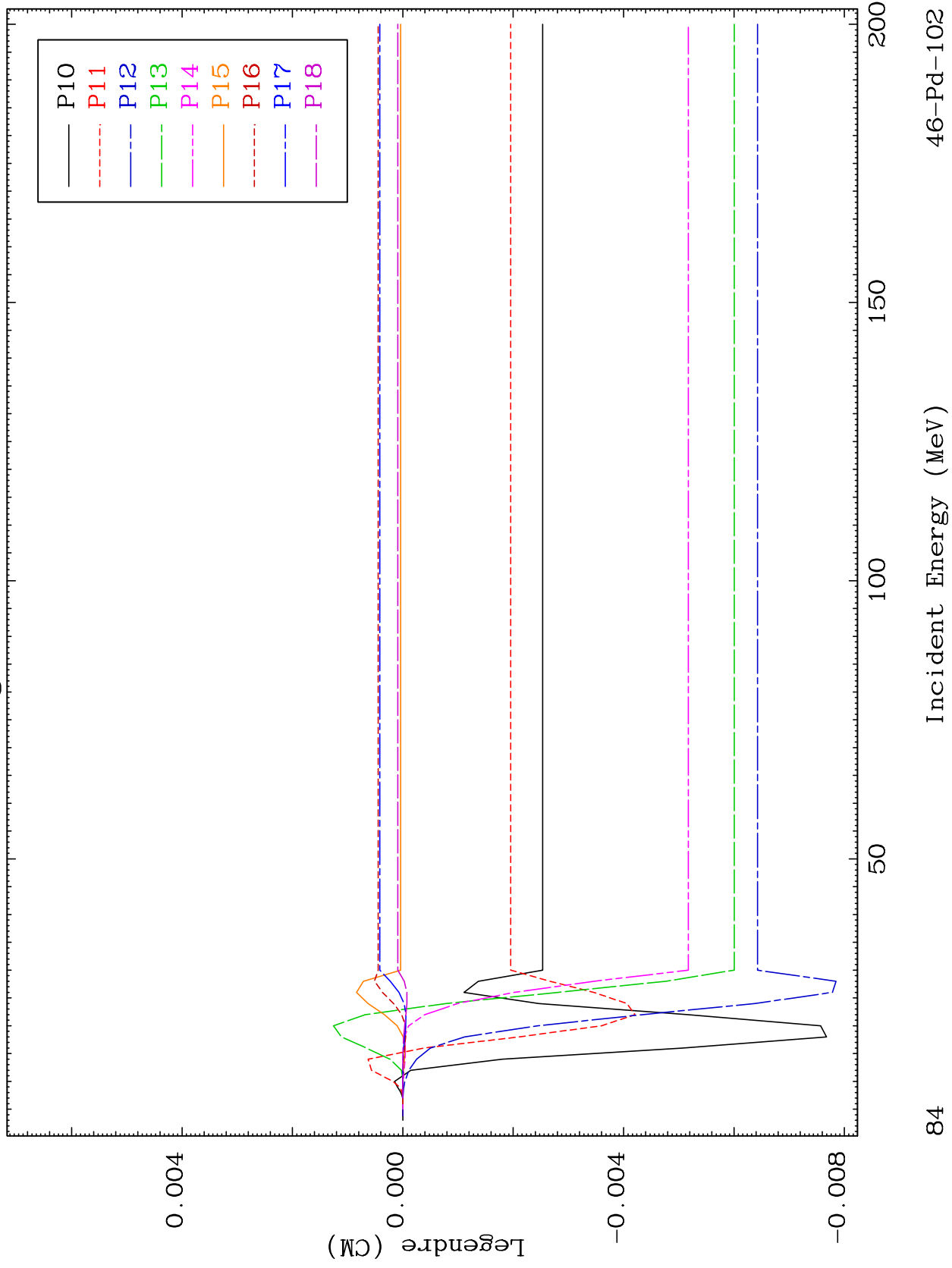
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102



84

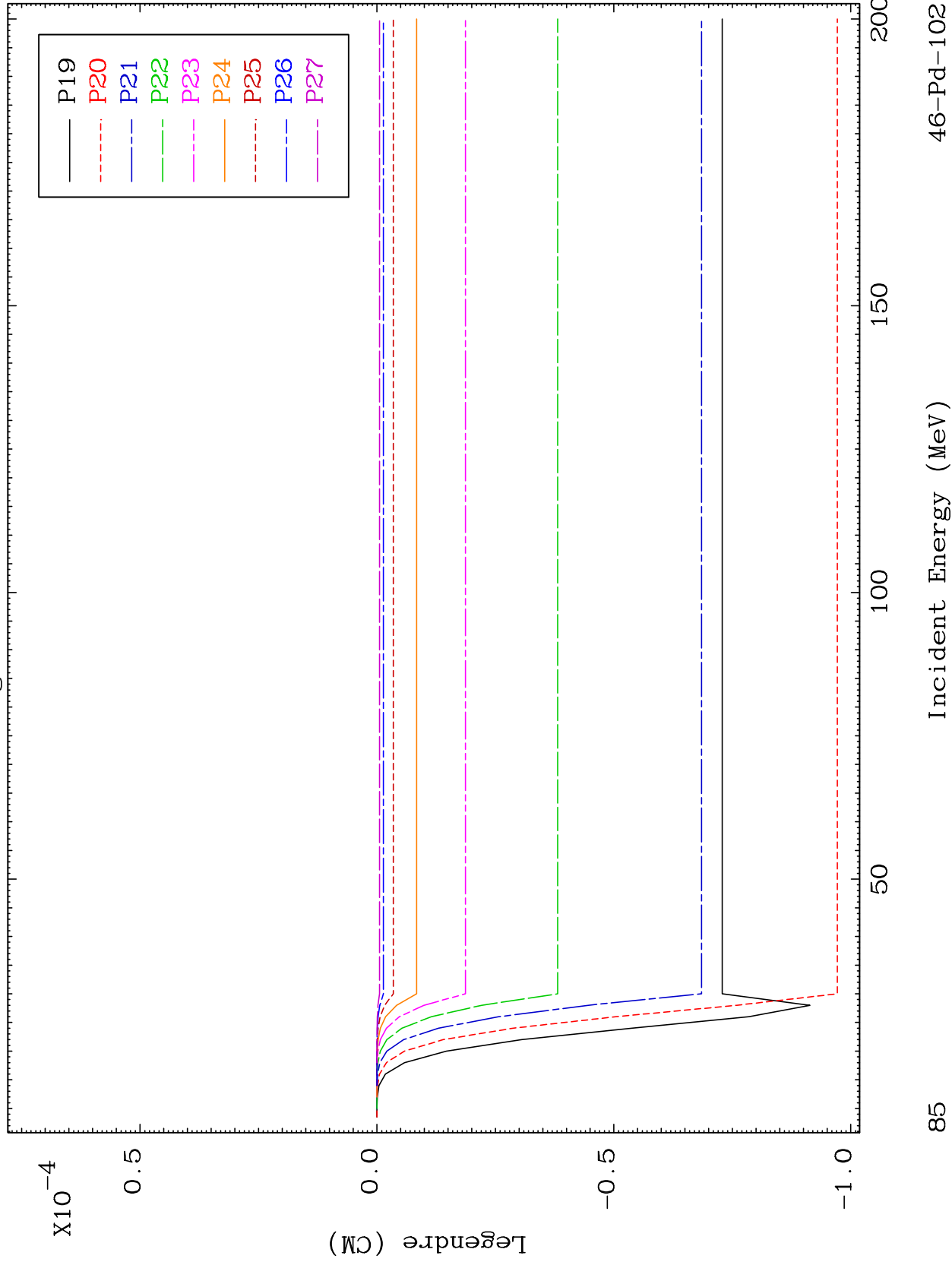
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

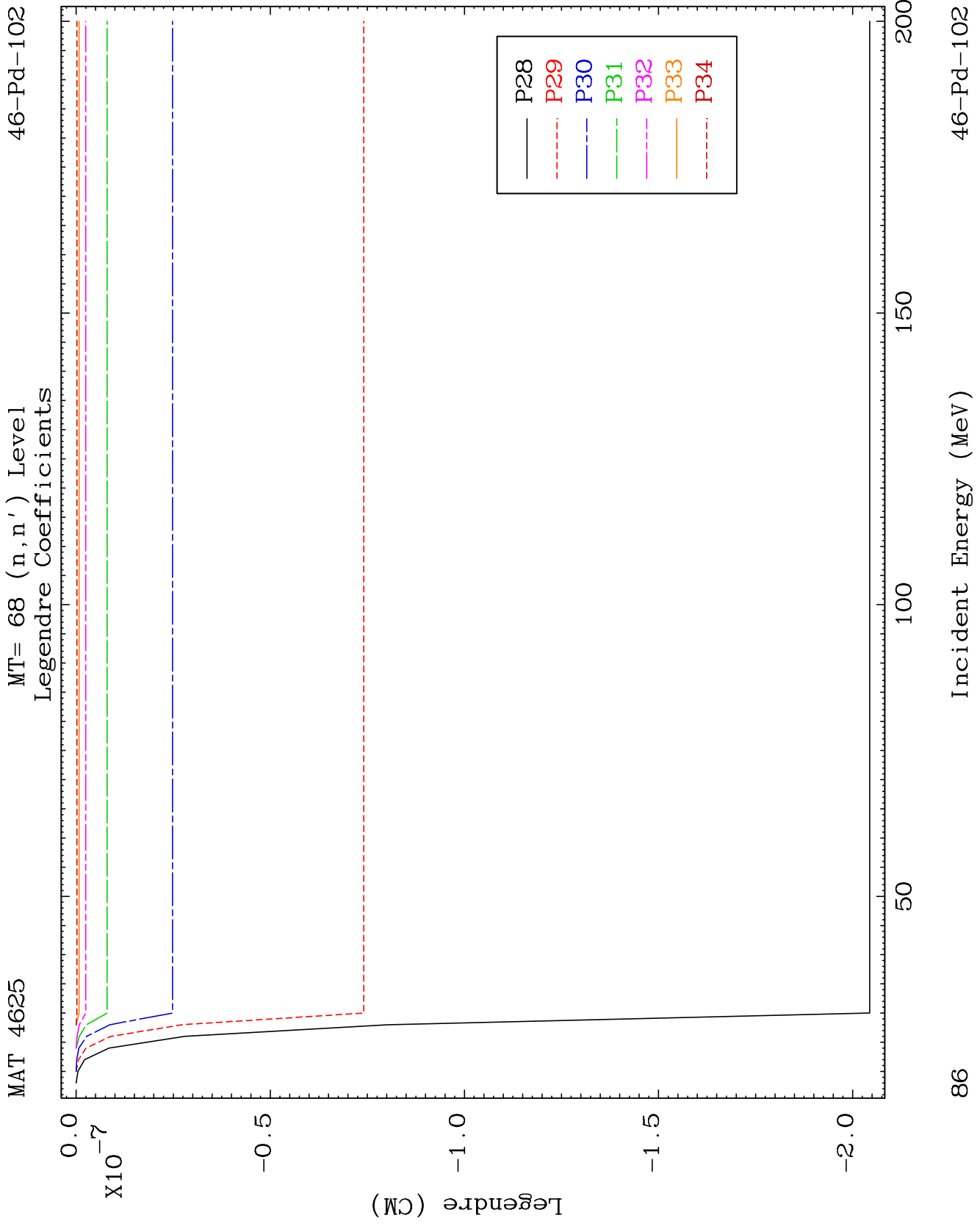
46-Pd-102

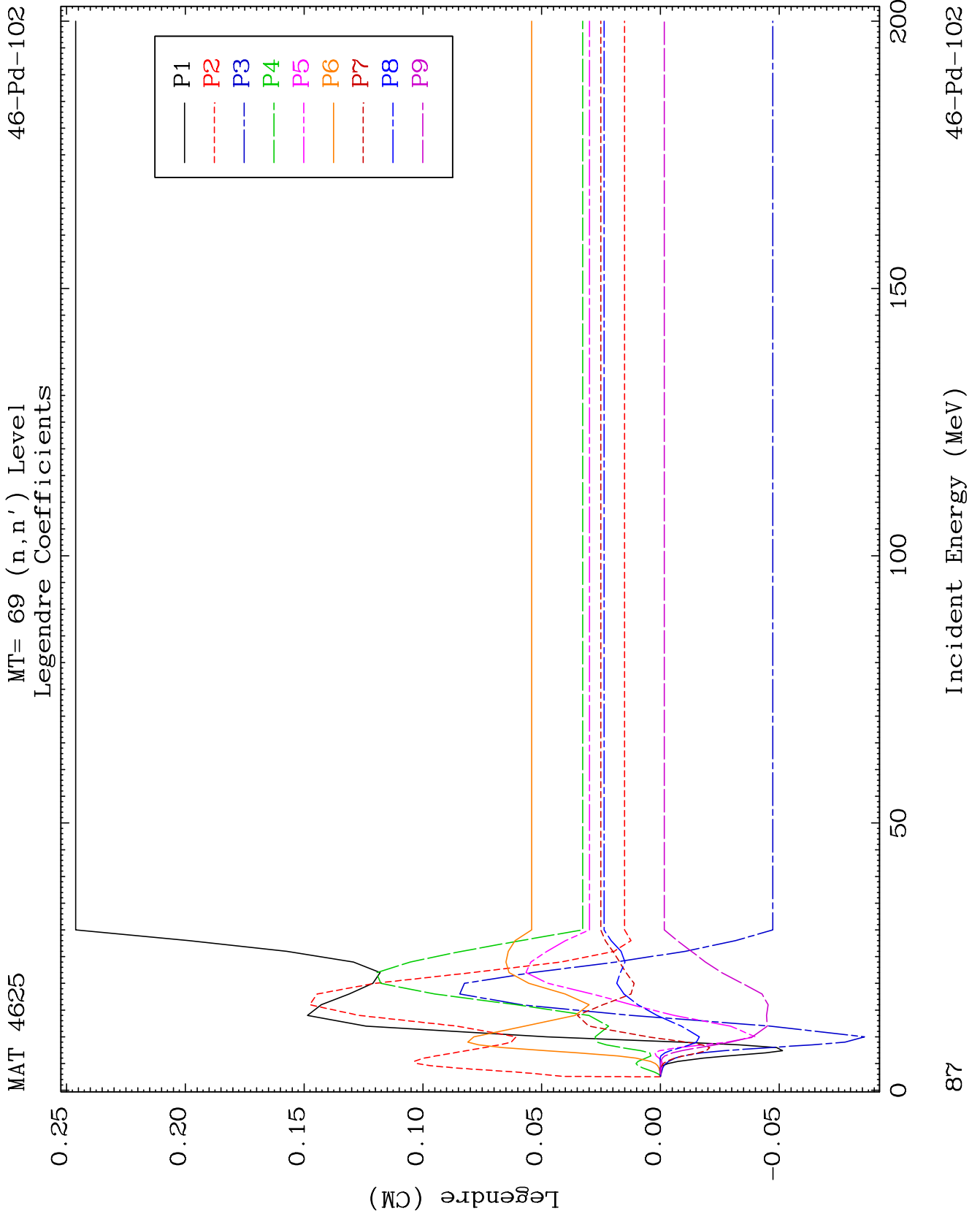


85

Incident Energy (MeV)

46-Pd-102



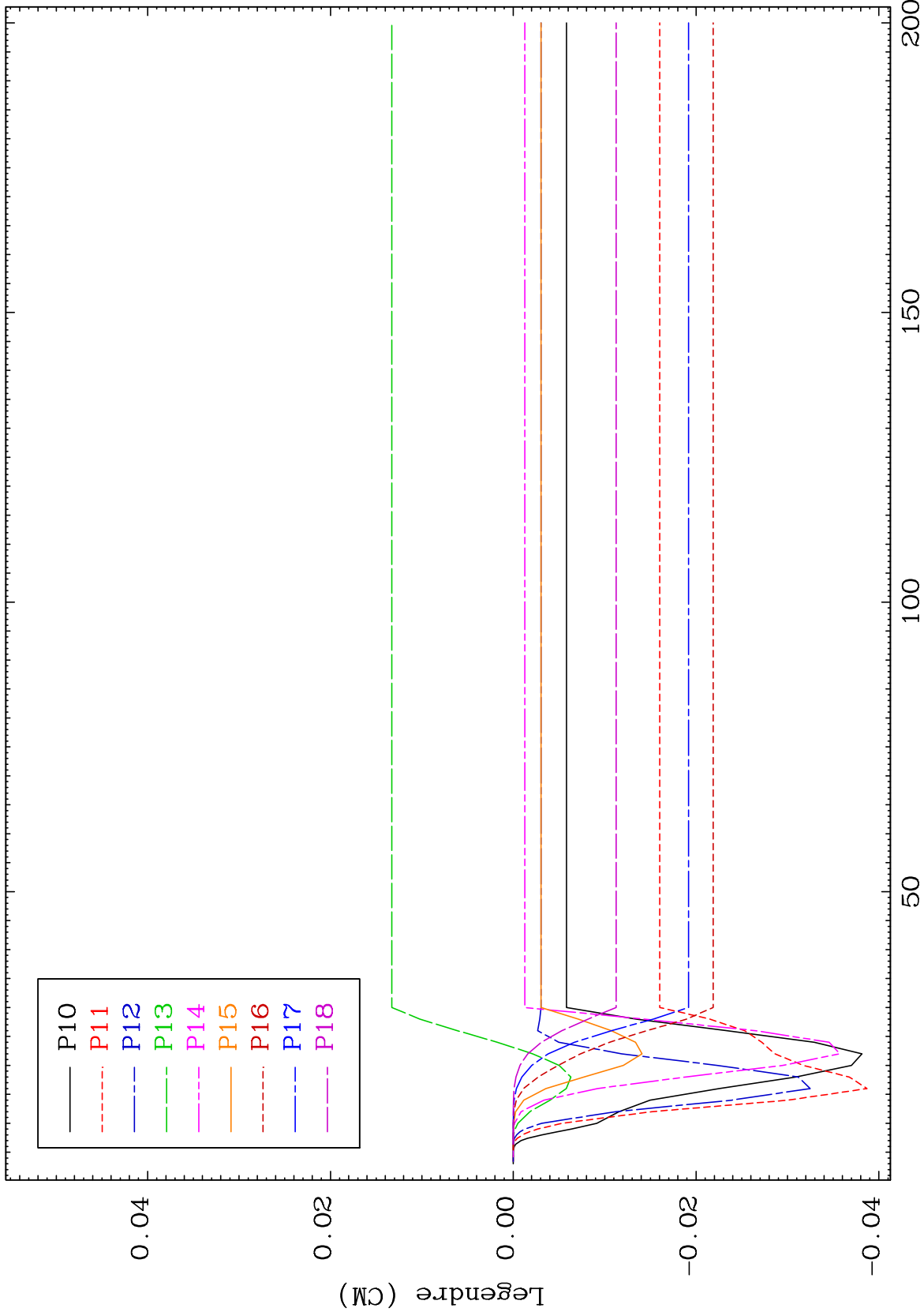


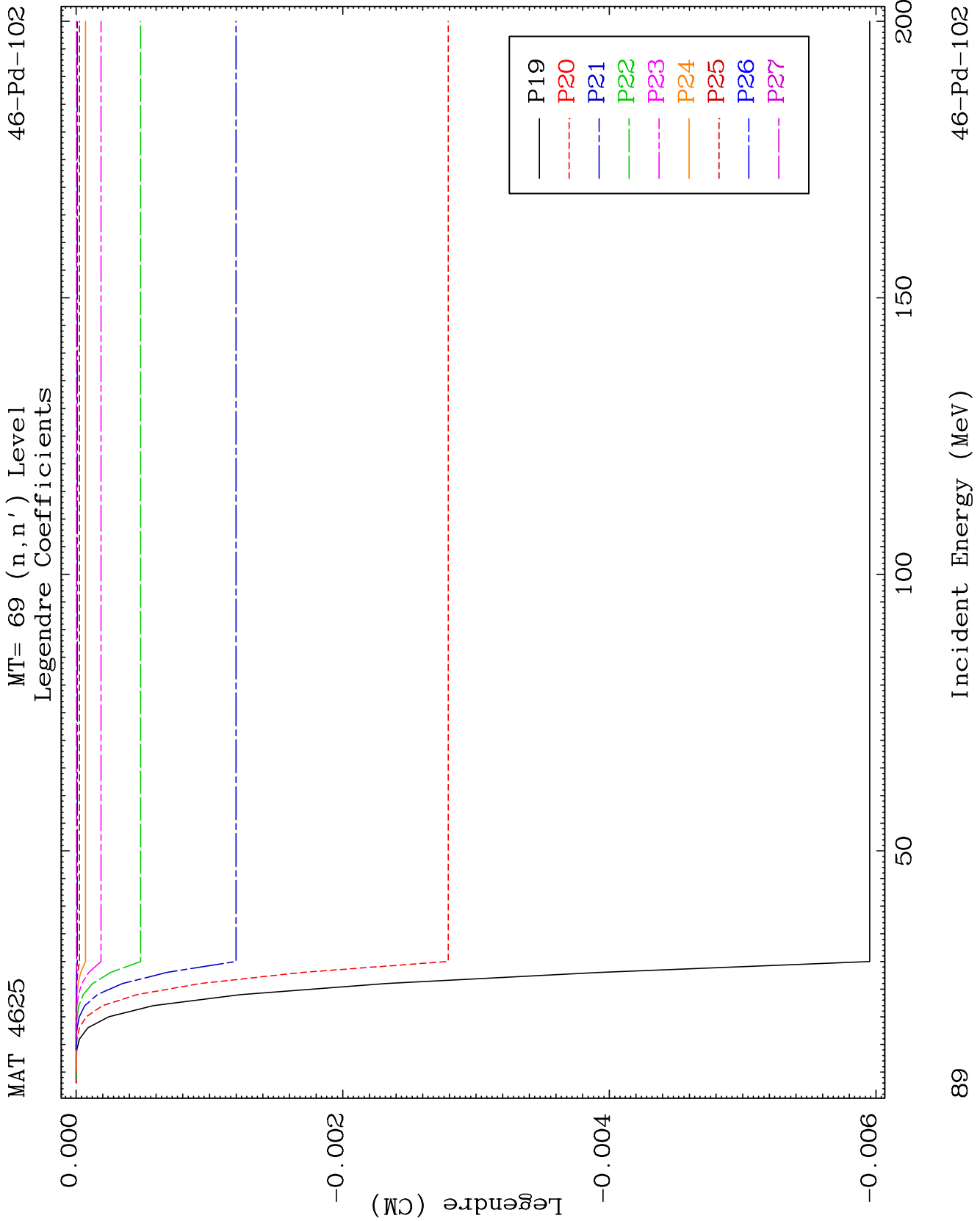


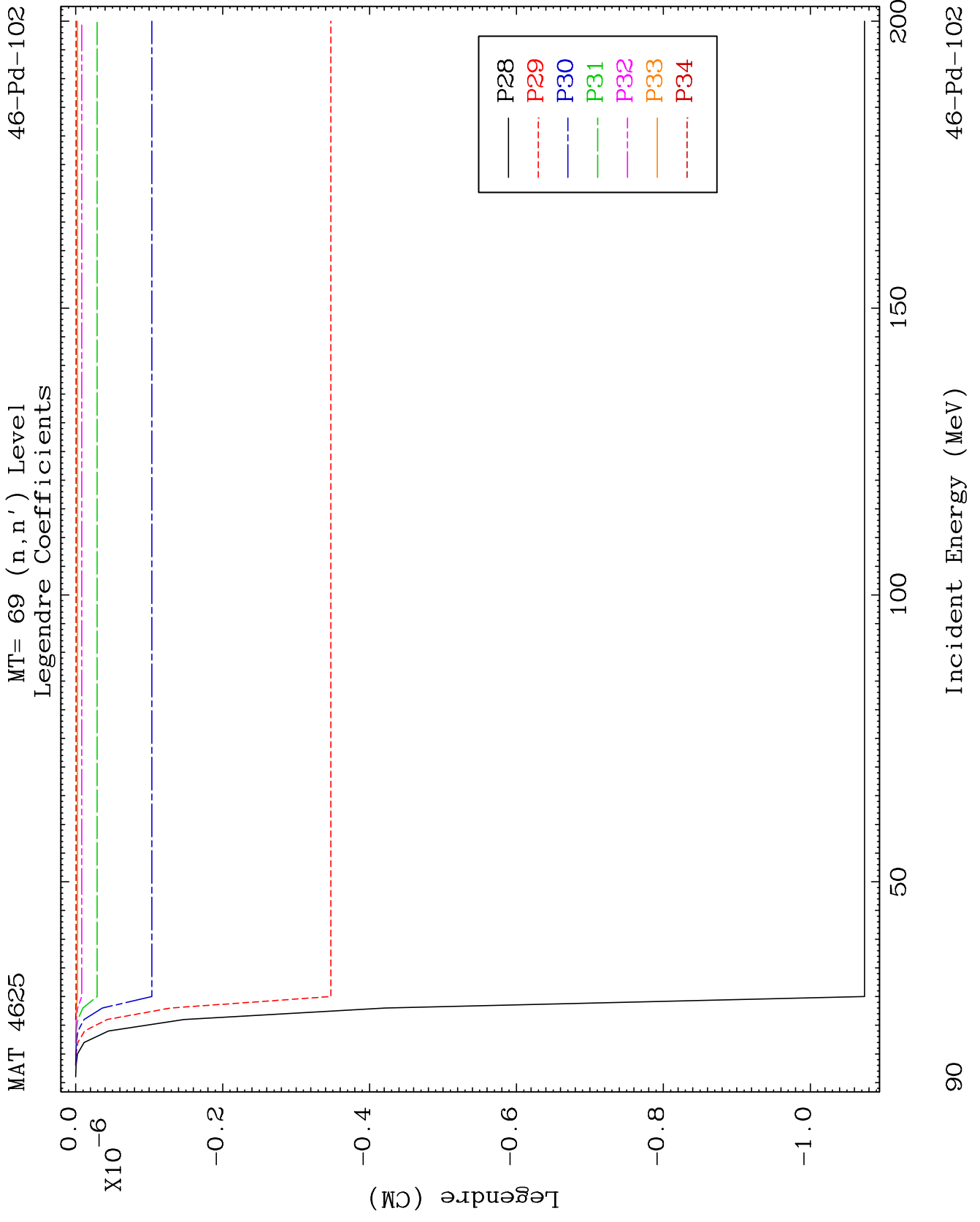
MAT 4625

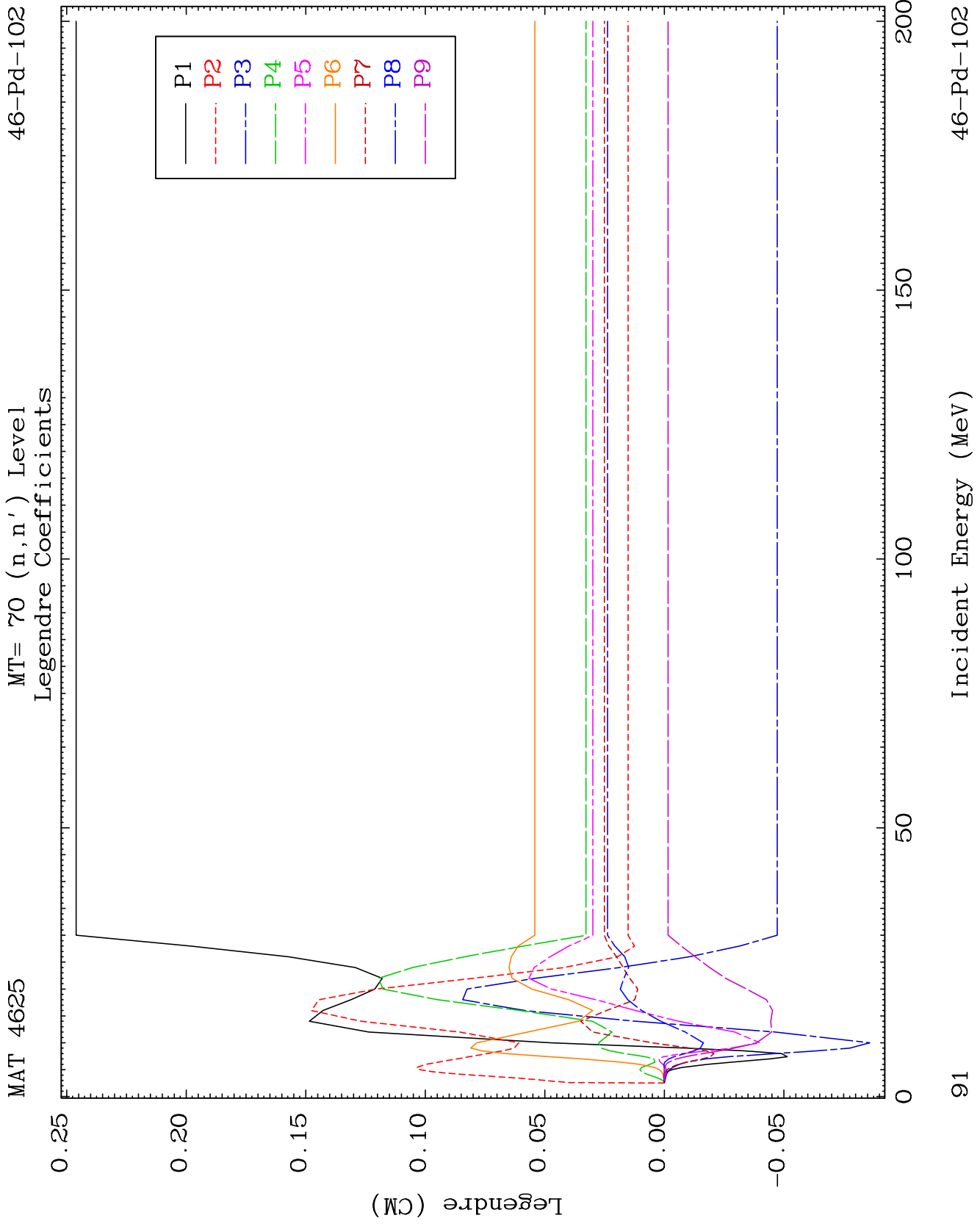
MT= 69 (n,n') Level  
Legendre Coefficients

46-Pd-102





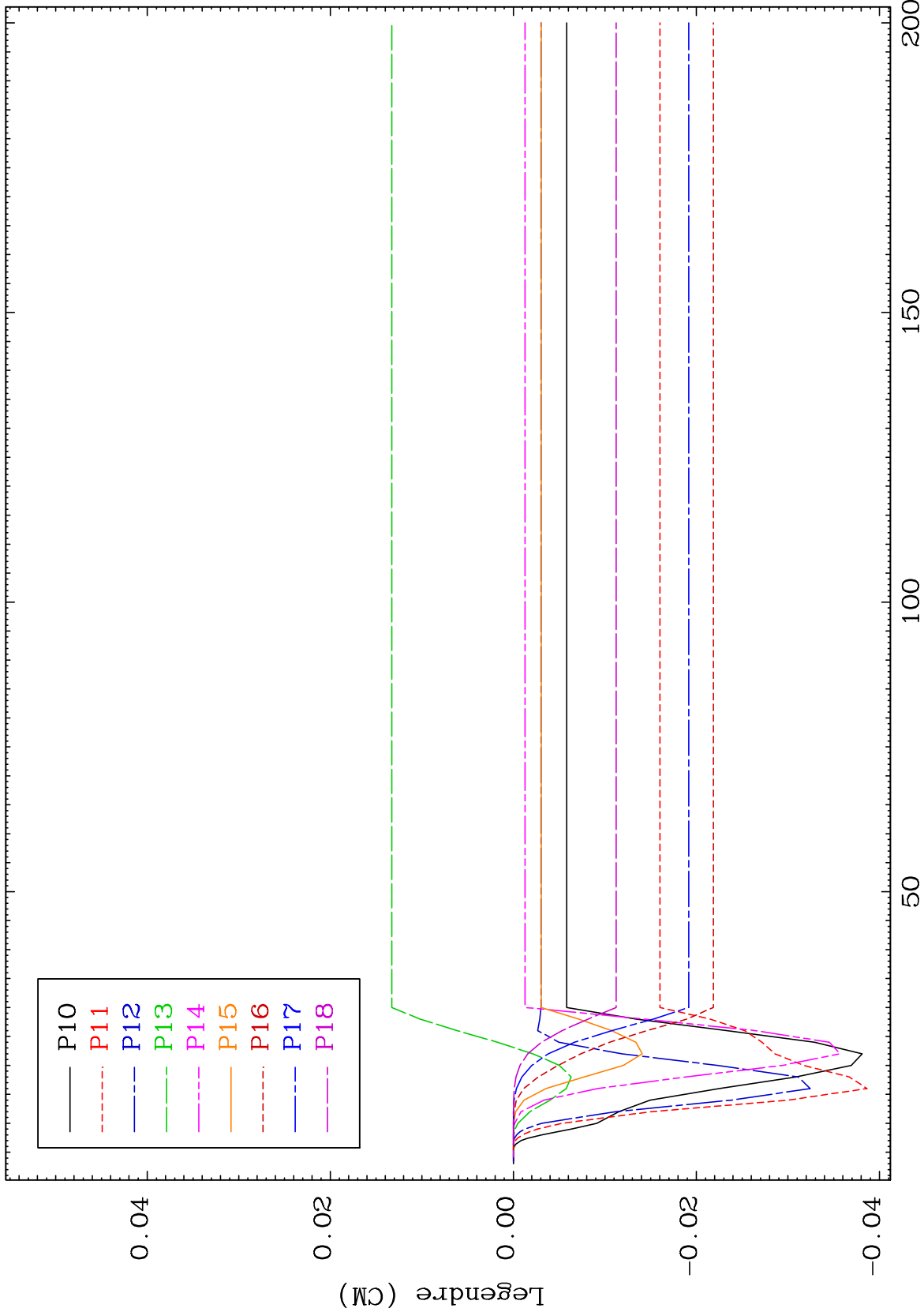




MAT 4625

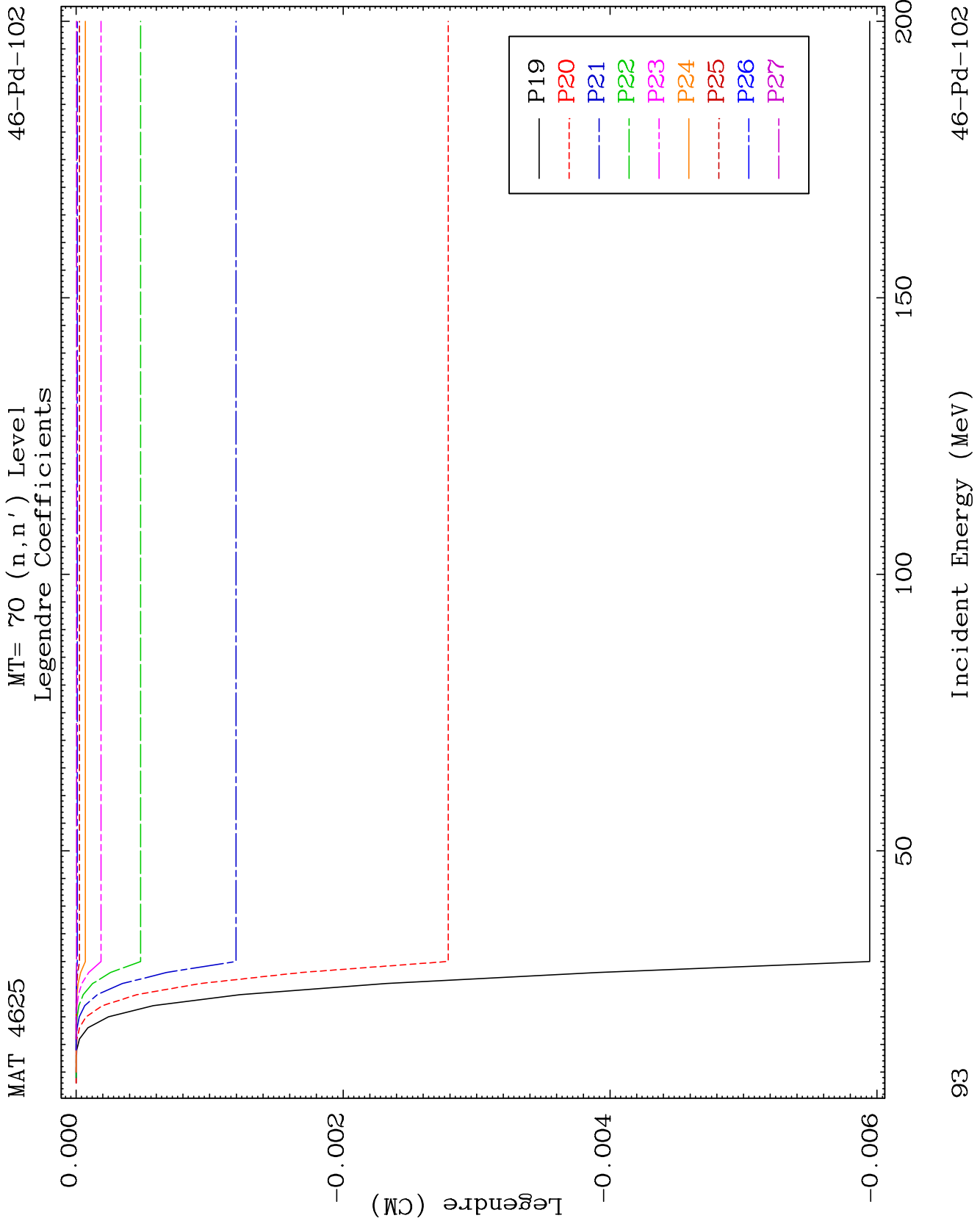
MT= 70 (n,n') Level  
Legendre Coefficients

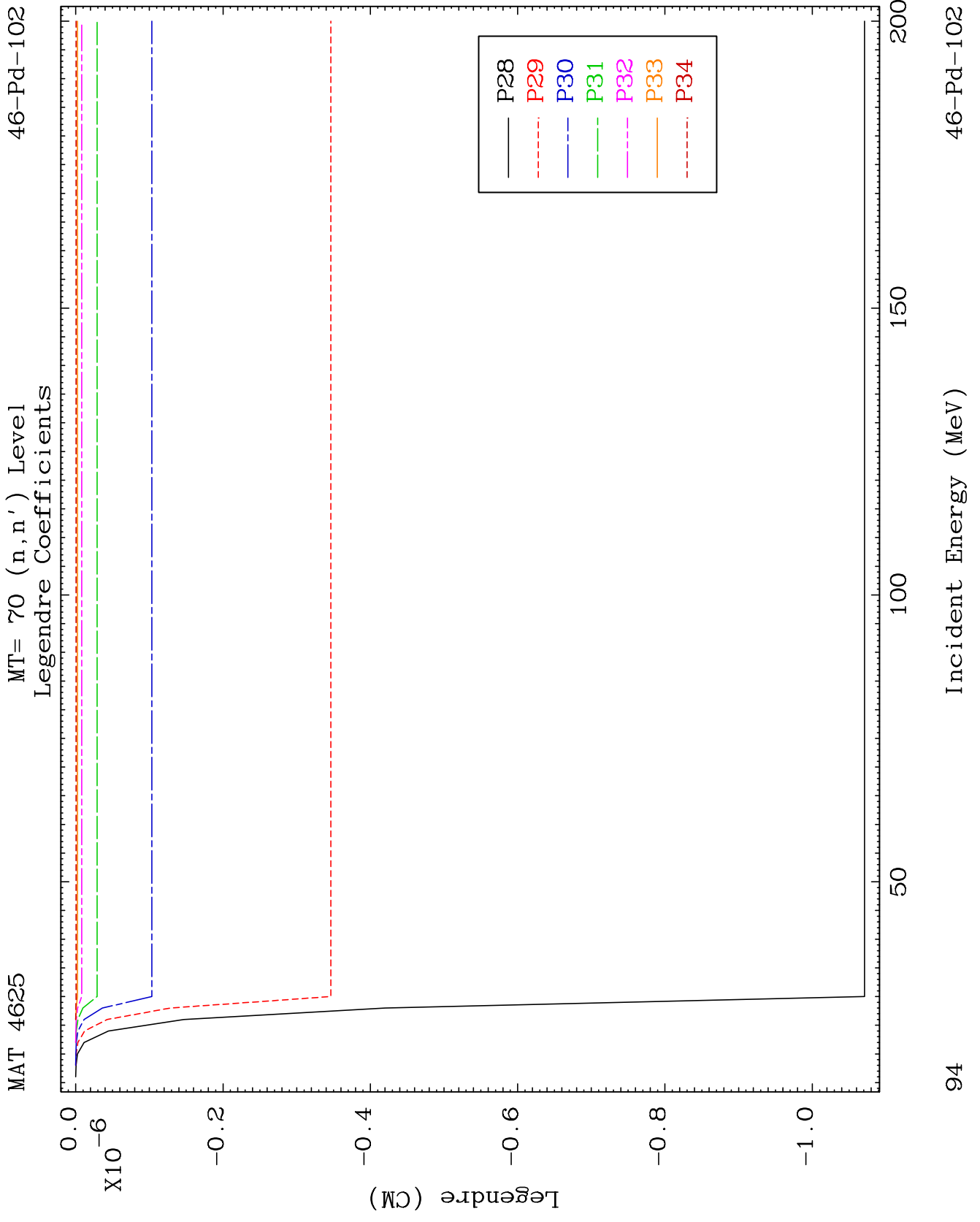
46-Pd-102



92

46-Pd-102

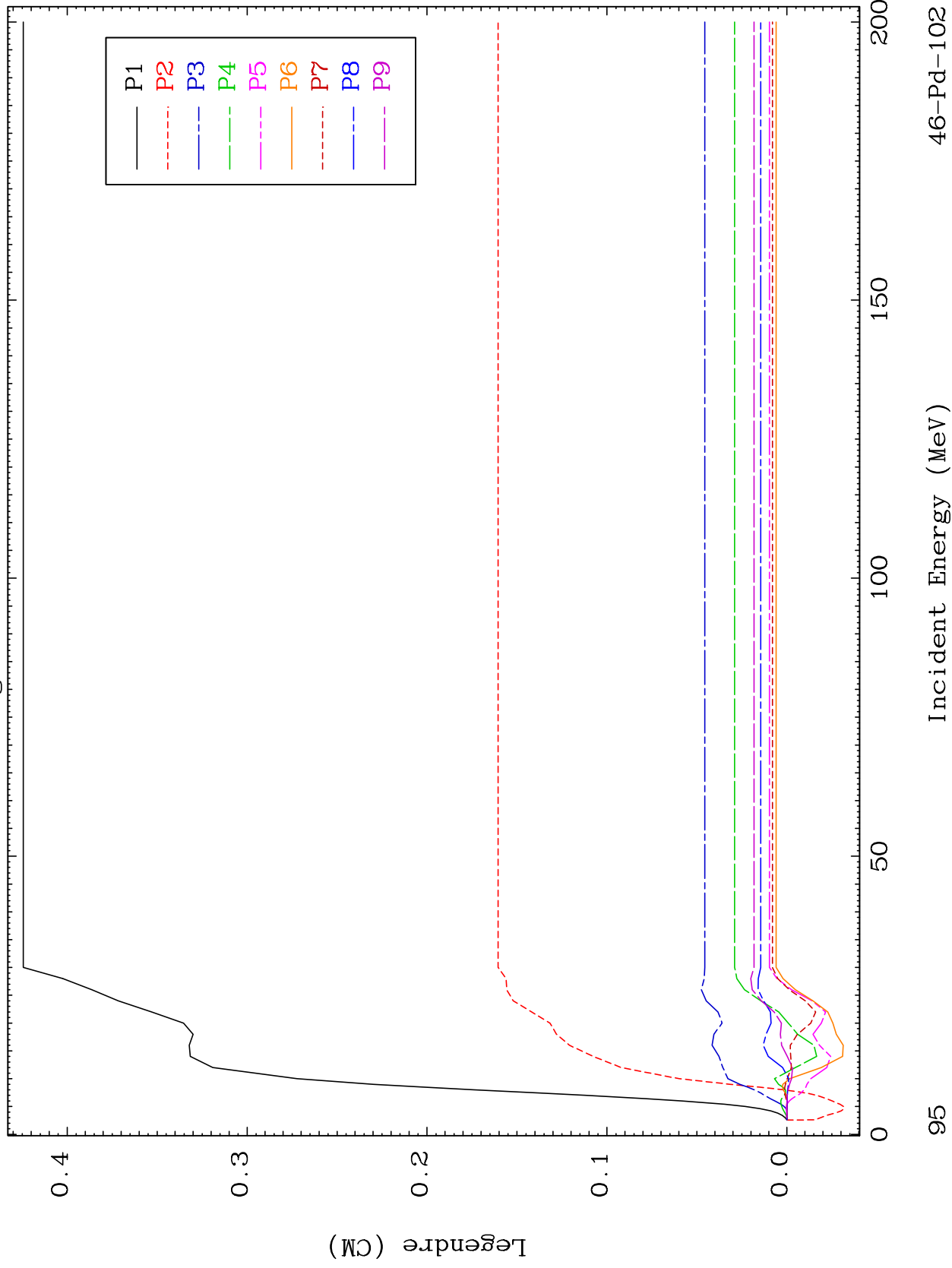




MAT 4625

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

46-Pd-102



46-Pd-102

Incident Energy (MeV)

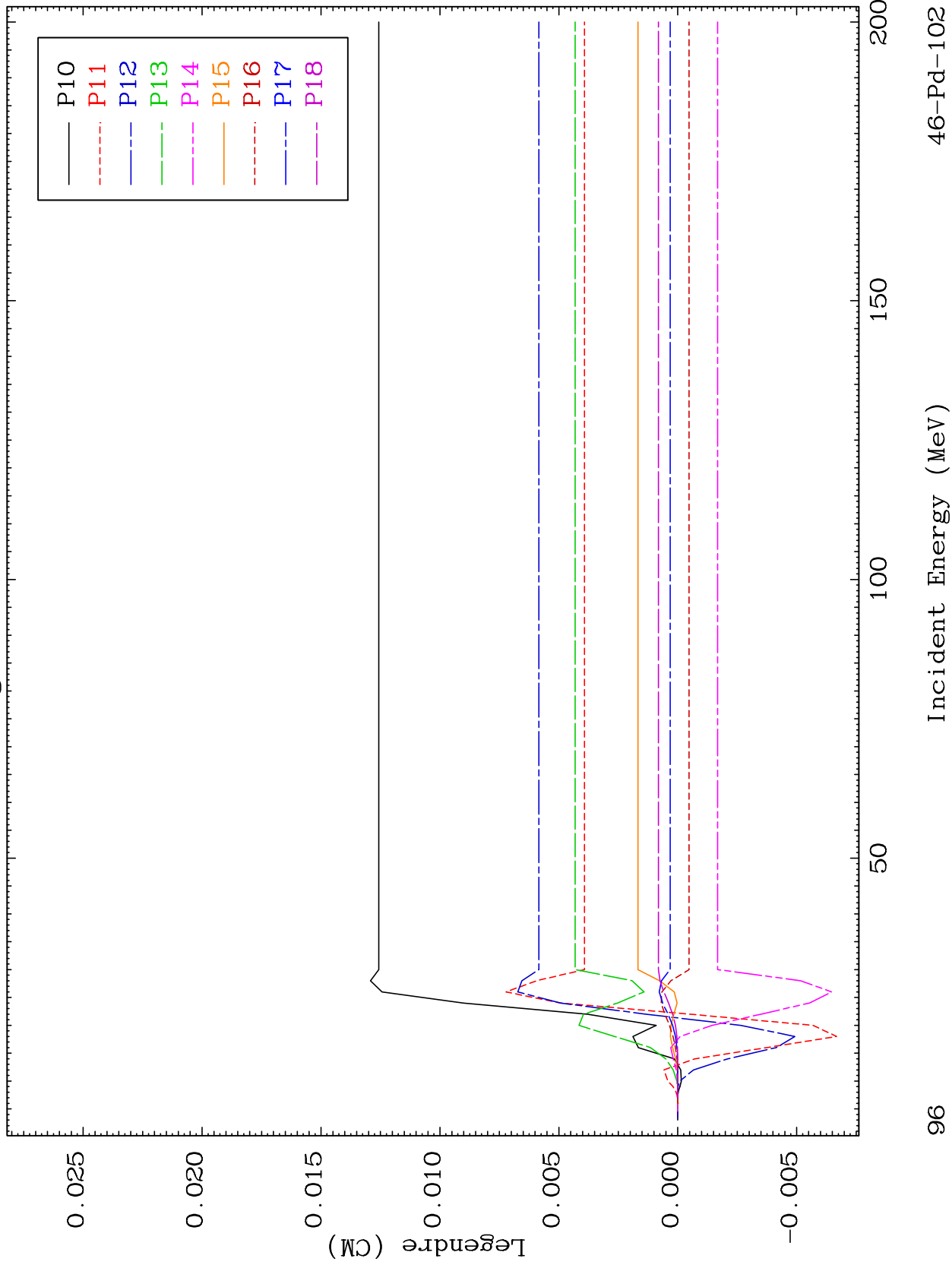
95



MAT 4625

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

46-Pd-102



96

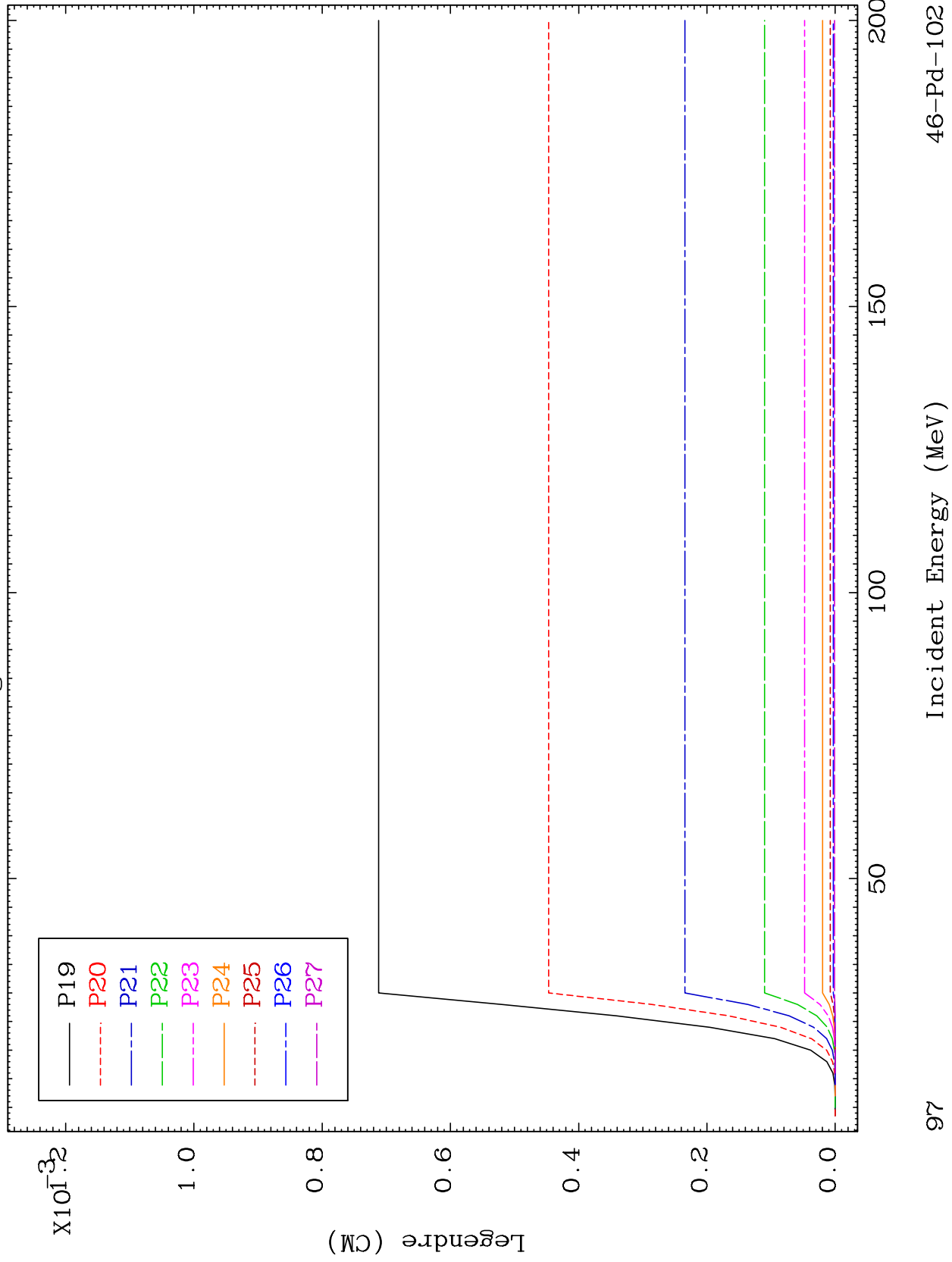
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

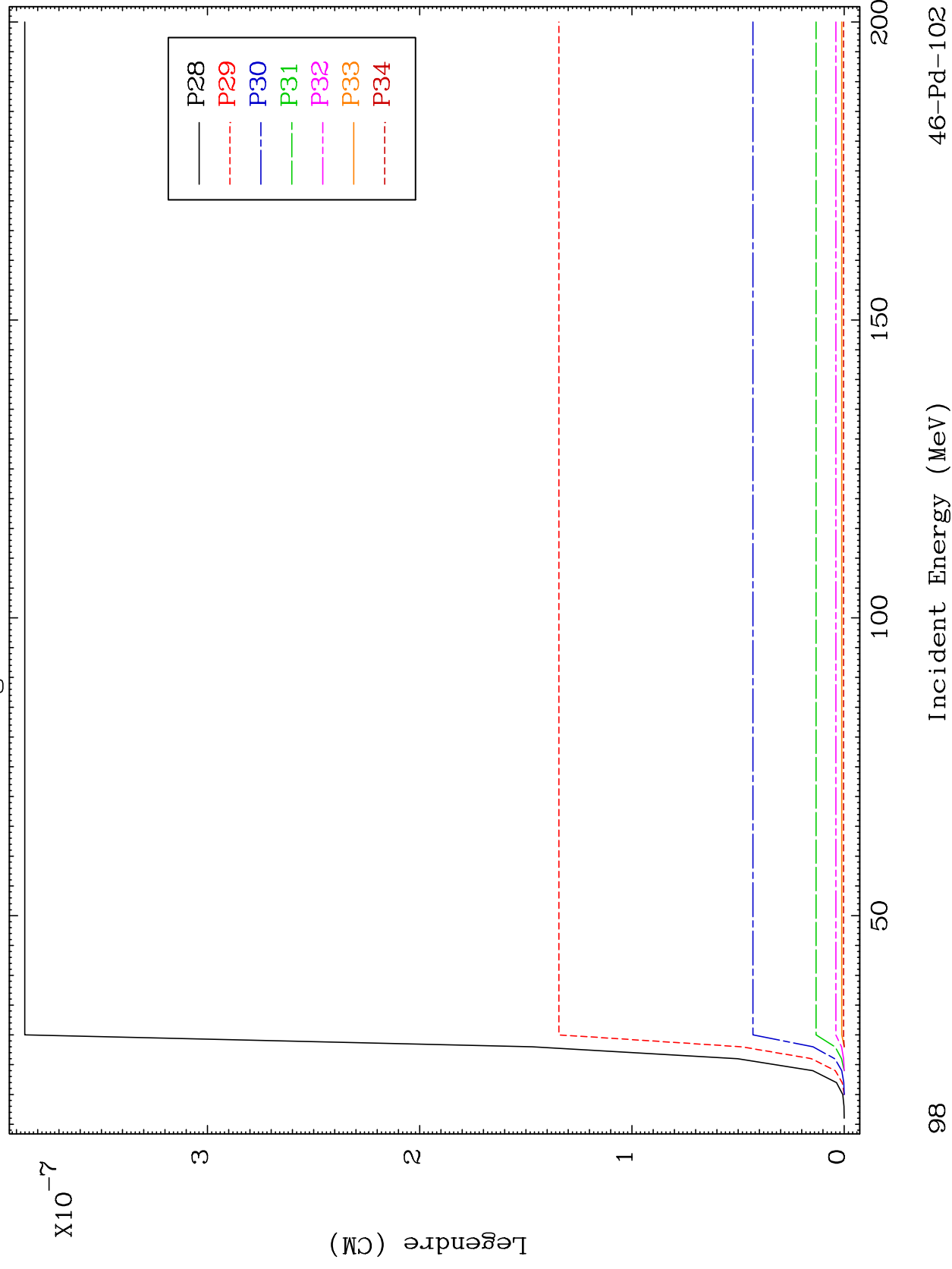
46-Pd-102



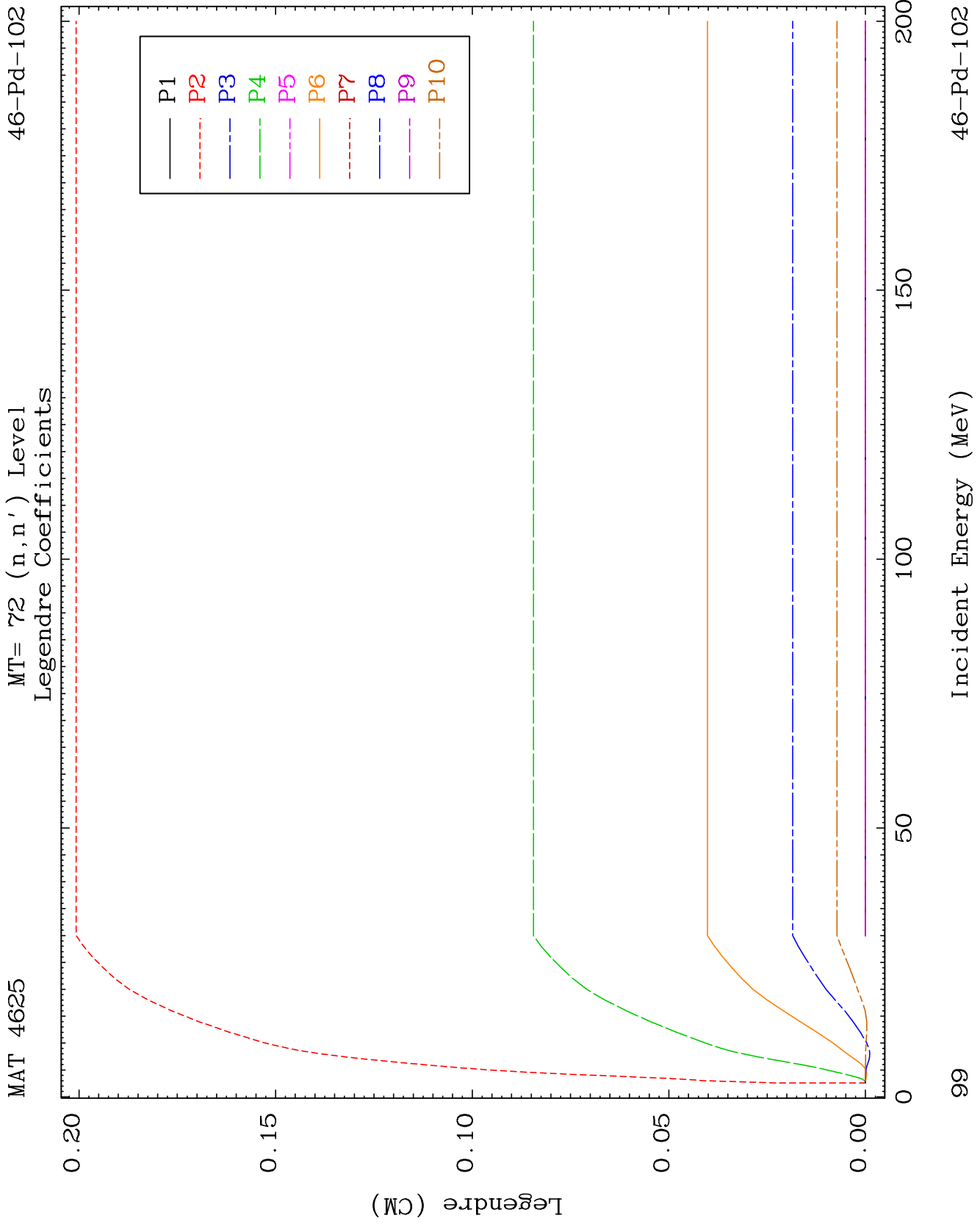
MAT 4625

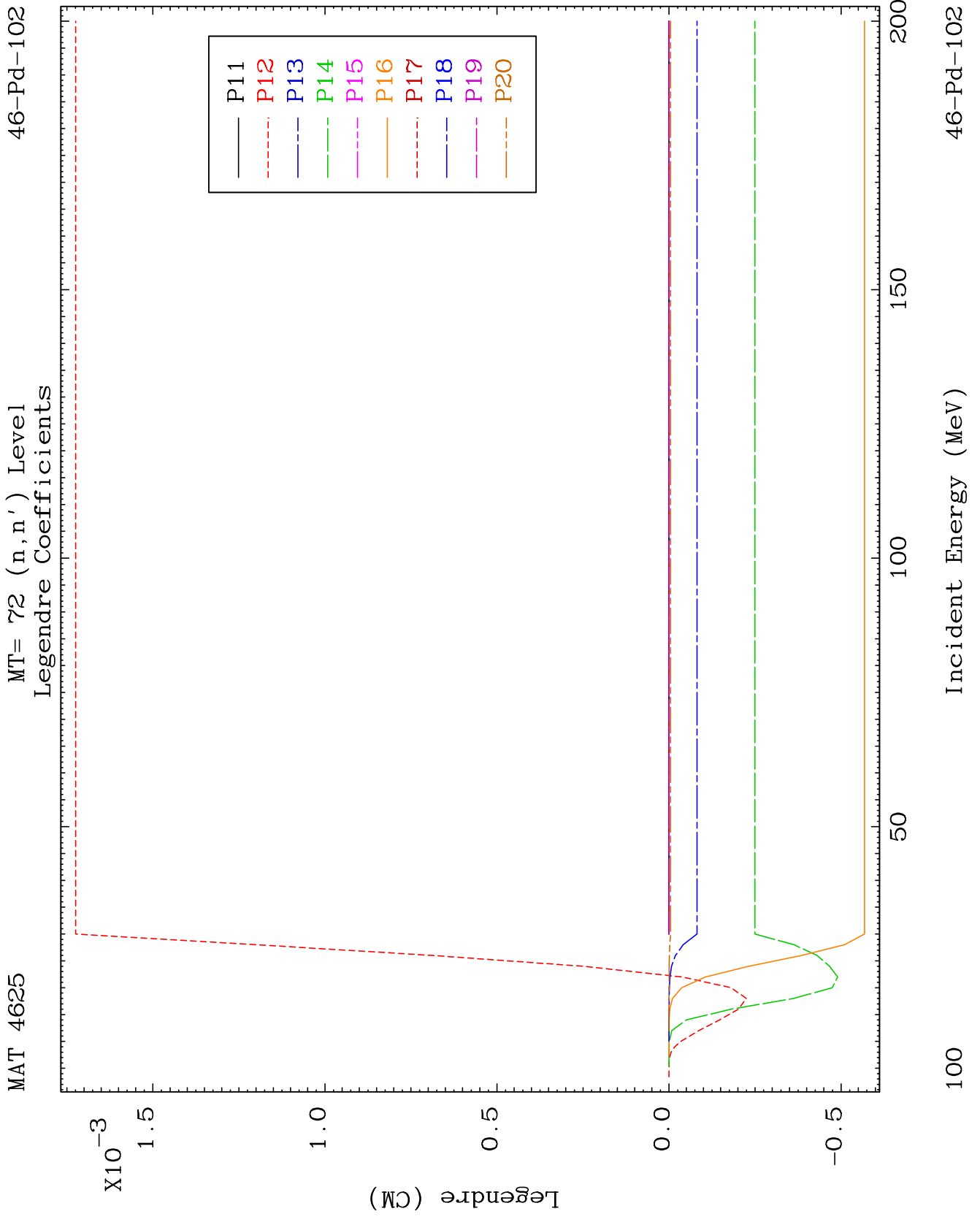
MT= 71 (n,n') Level  
Legendre Coefficients

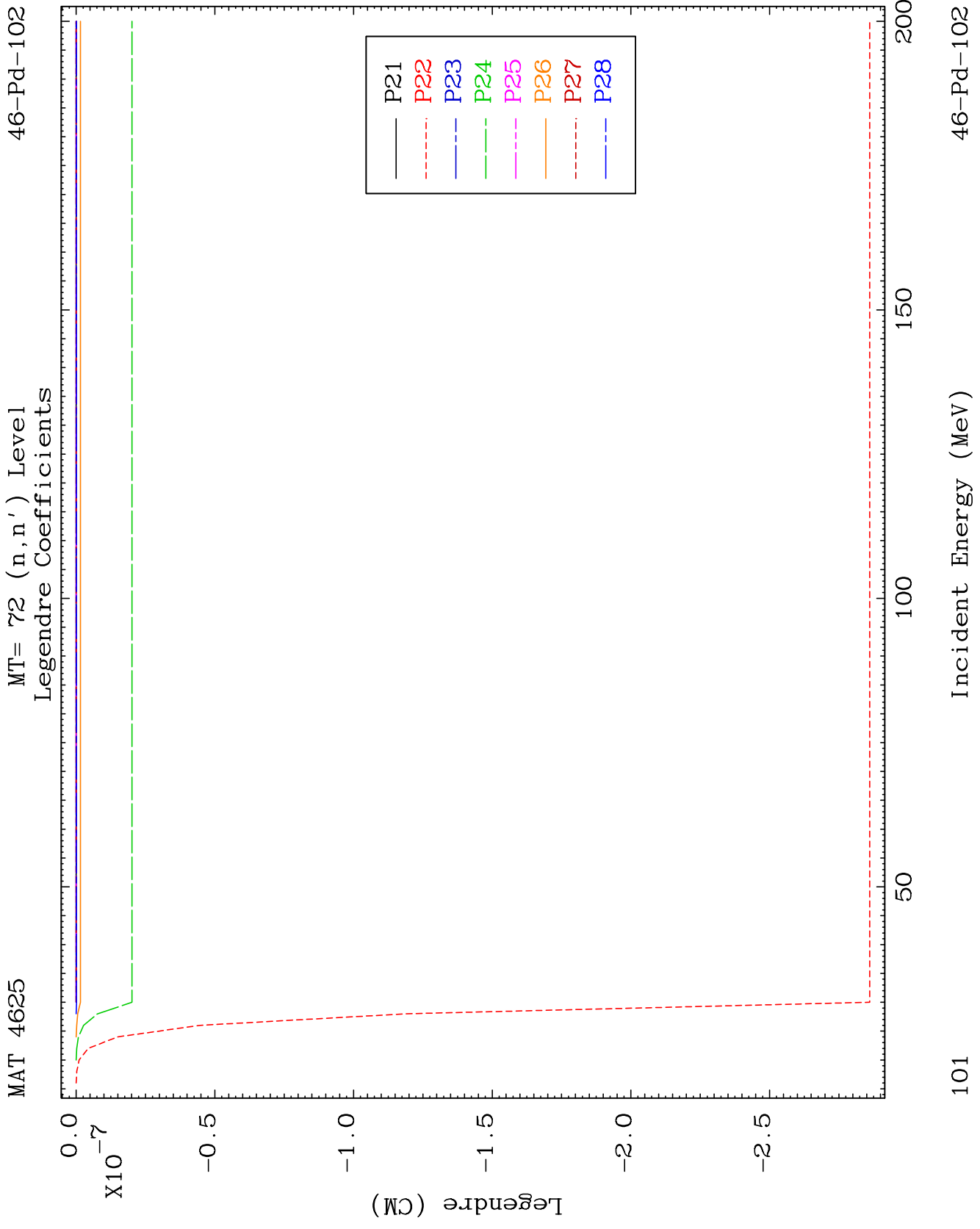
46-Pd-102



98



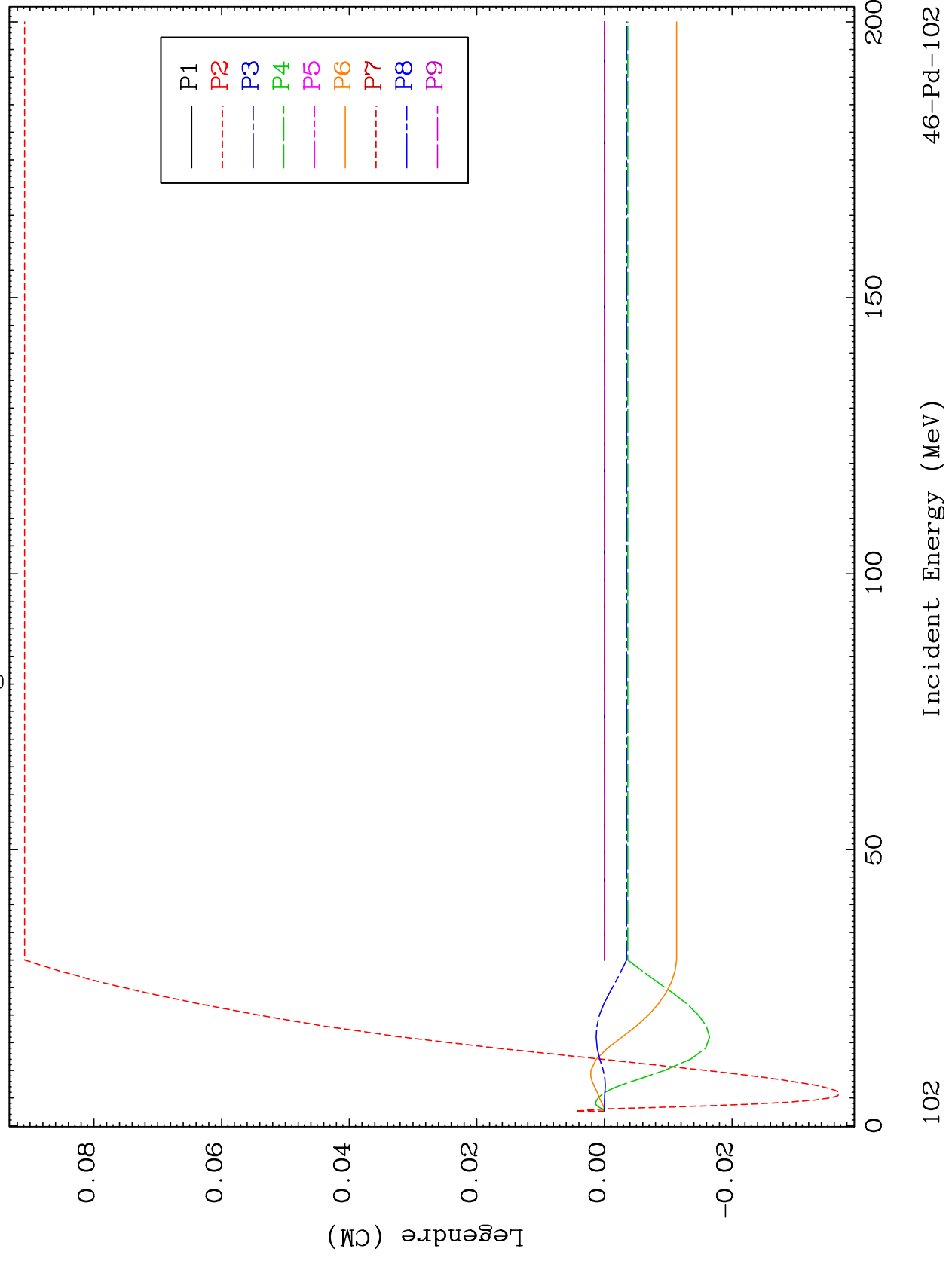




MAT 4625

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

46-Pd-102



46-Pd-102

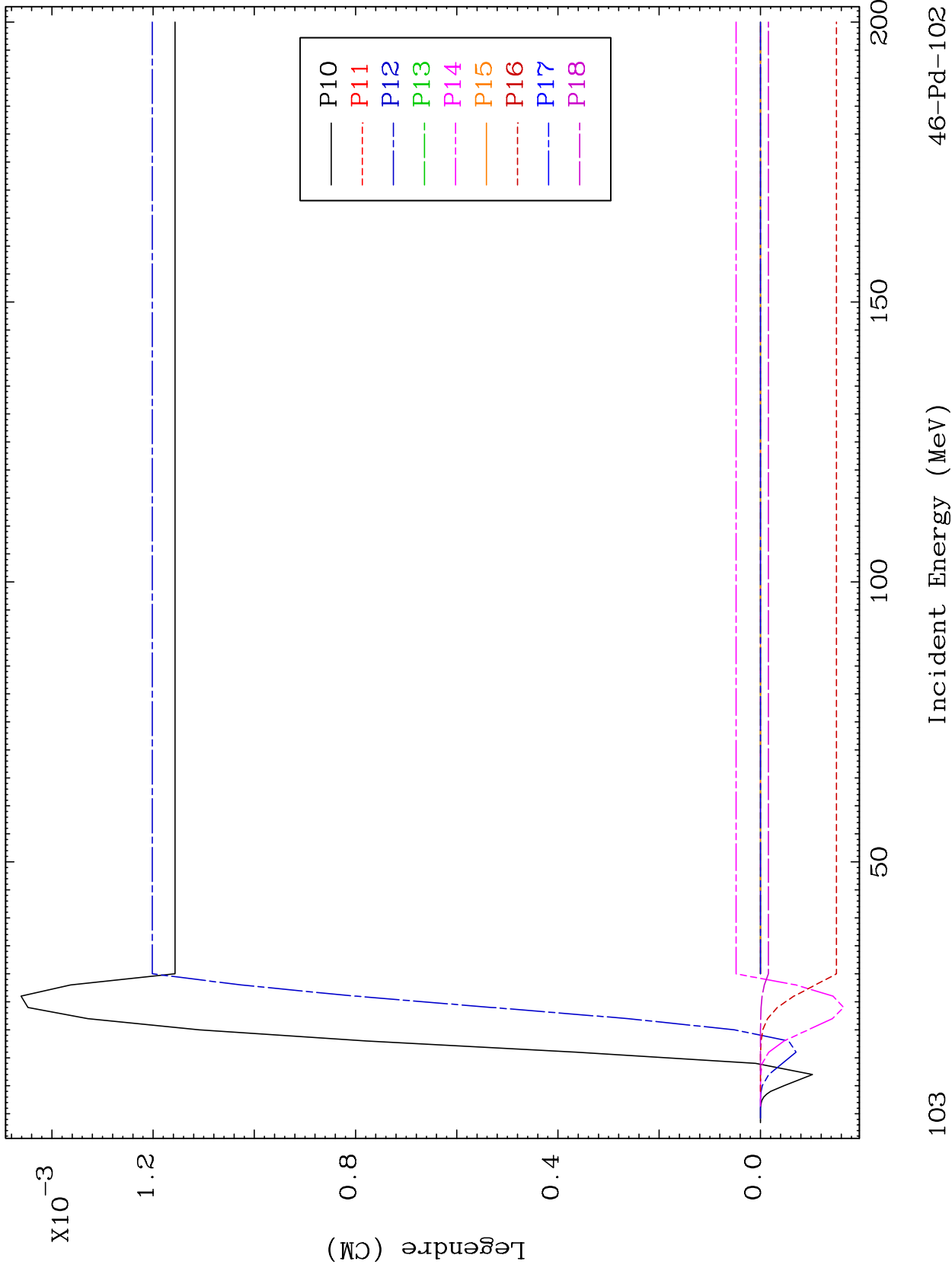
Incident Energy (MeV)

102

MAT 4625

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

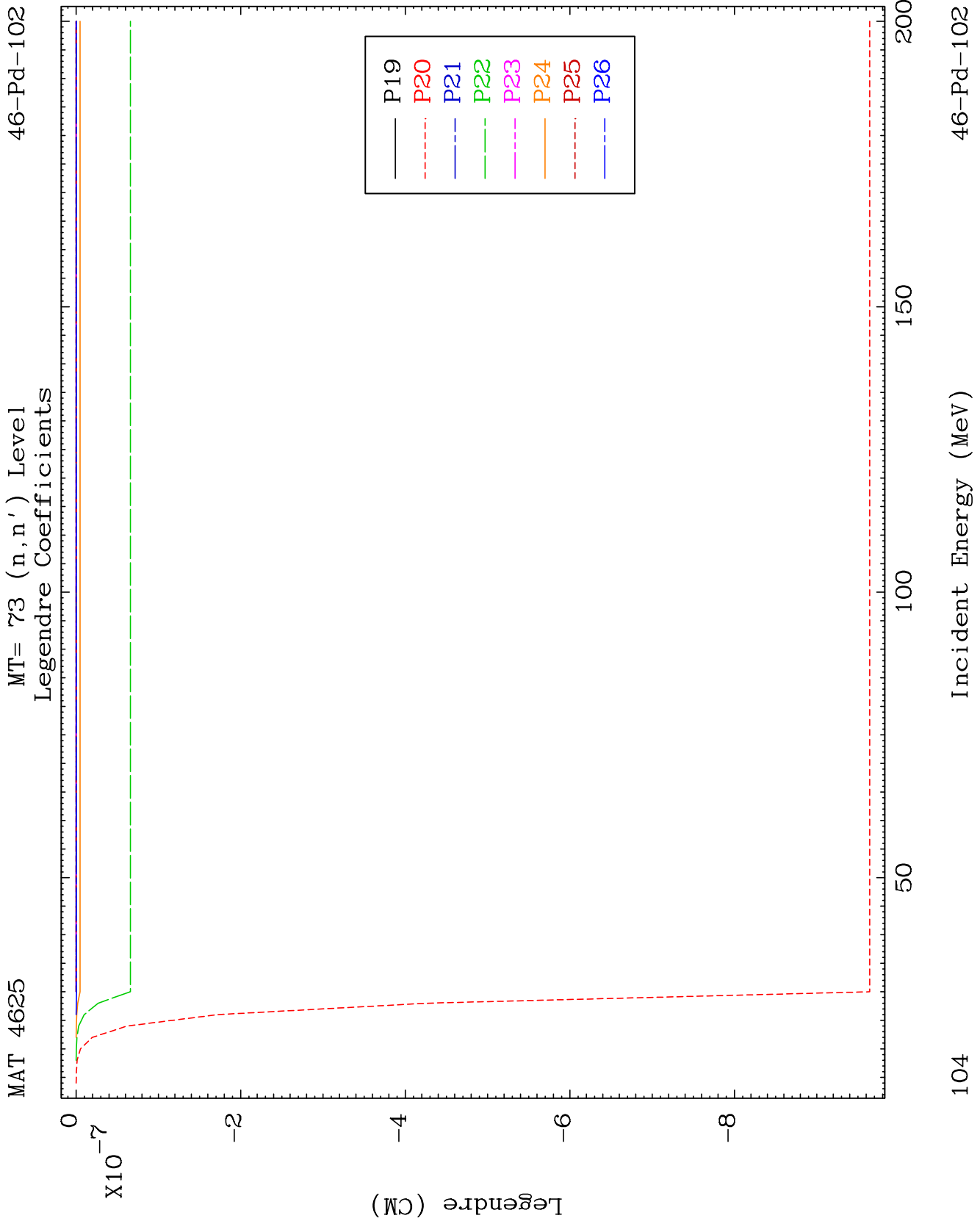
46-Pd-102



103

46-Pd-102



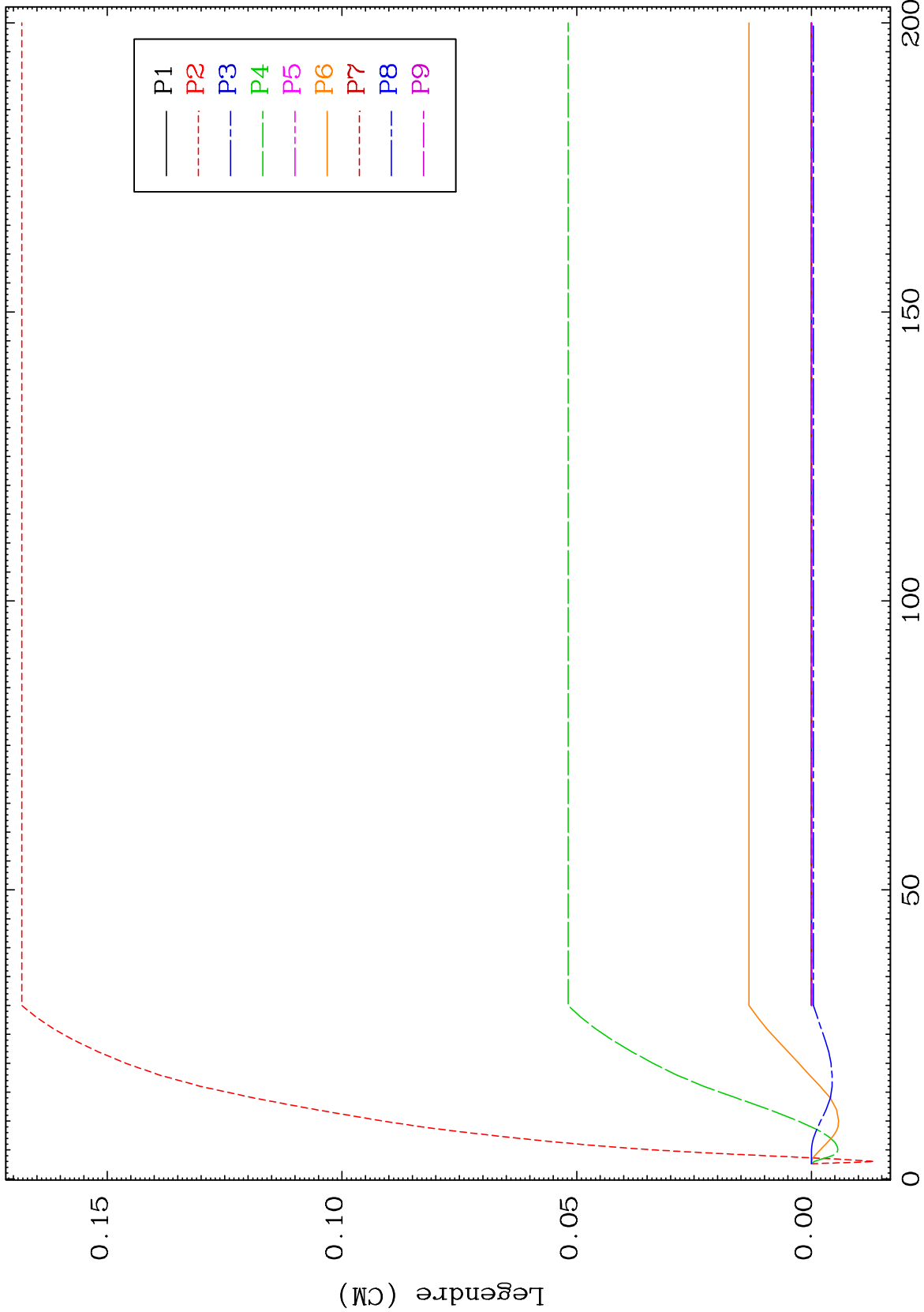


MAT 4625

MT= 74 (n,n') Level

46-Pd-102

Legendre Coefficients



0

0.00

Legendre (CM)

0.10

0.15

Incident Energy (MeV)

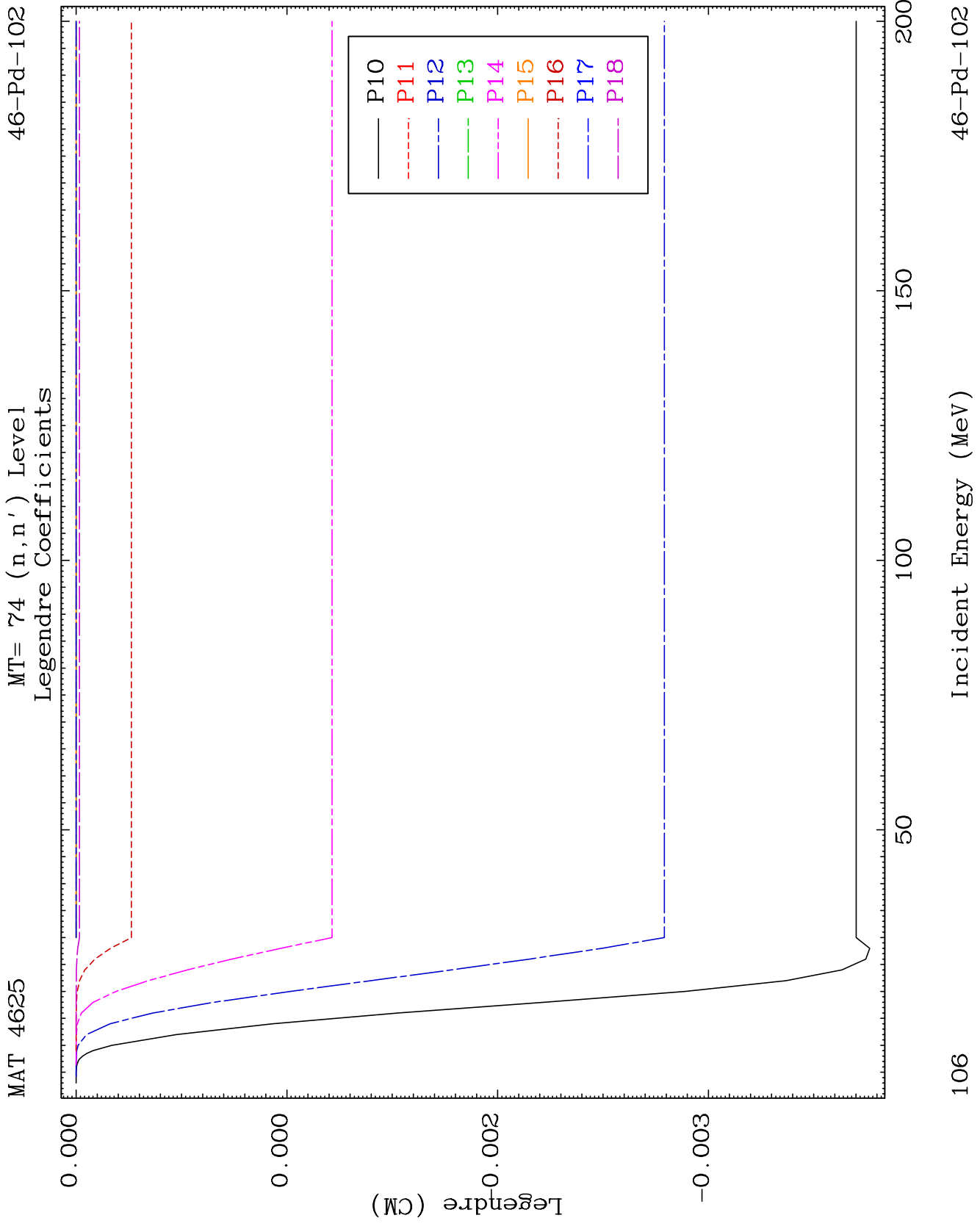
50

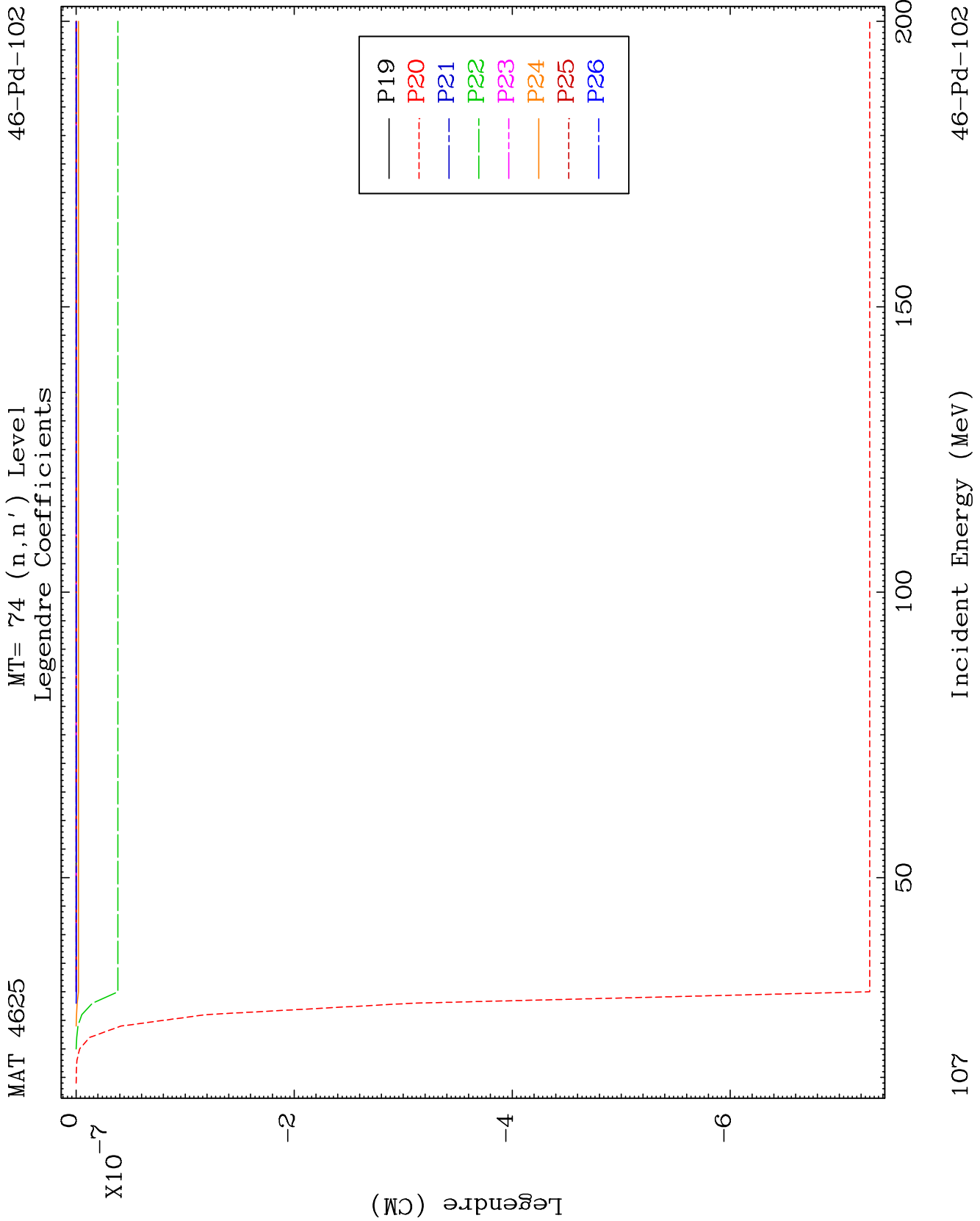
100

150

200

46-Pd-102

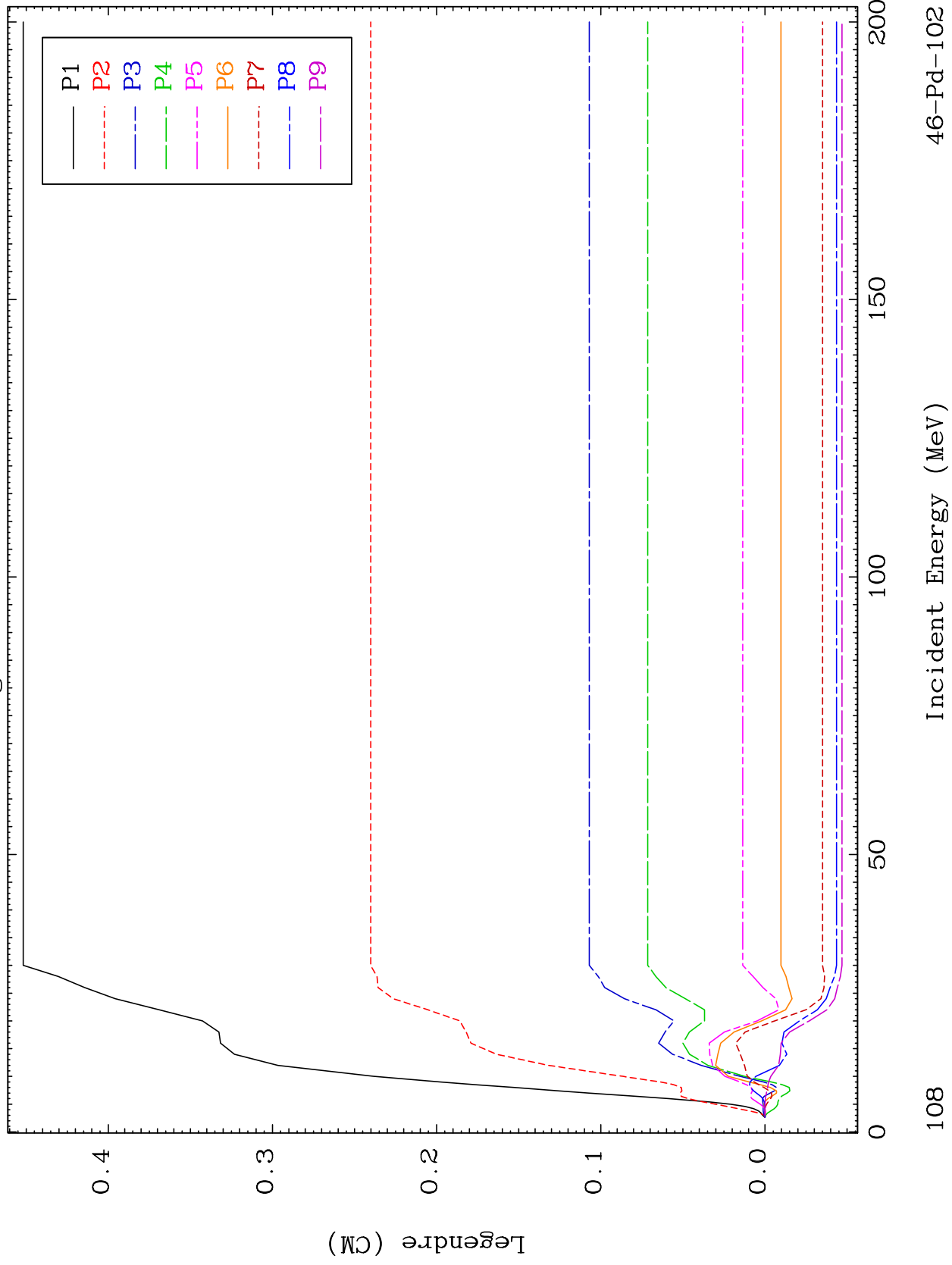




MAT 4625

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

46-Pd-102



46-Pd-102

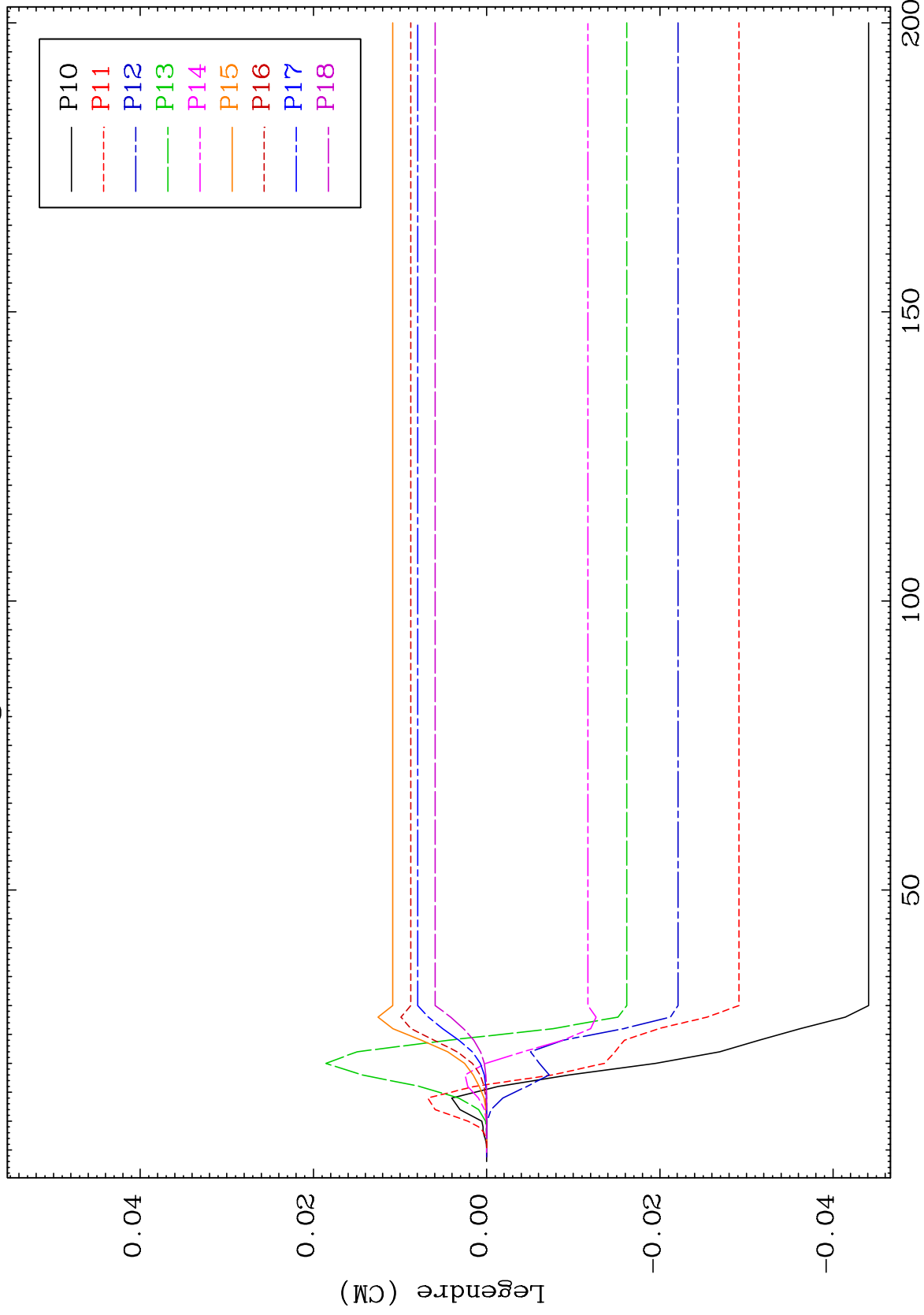
Incident Energy (MeV)

108

MAT 4625

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

46-Pd-102



109

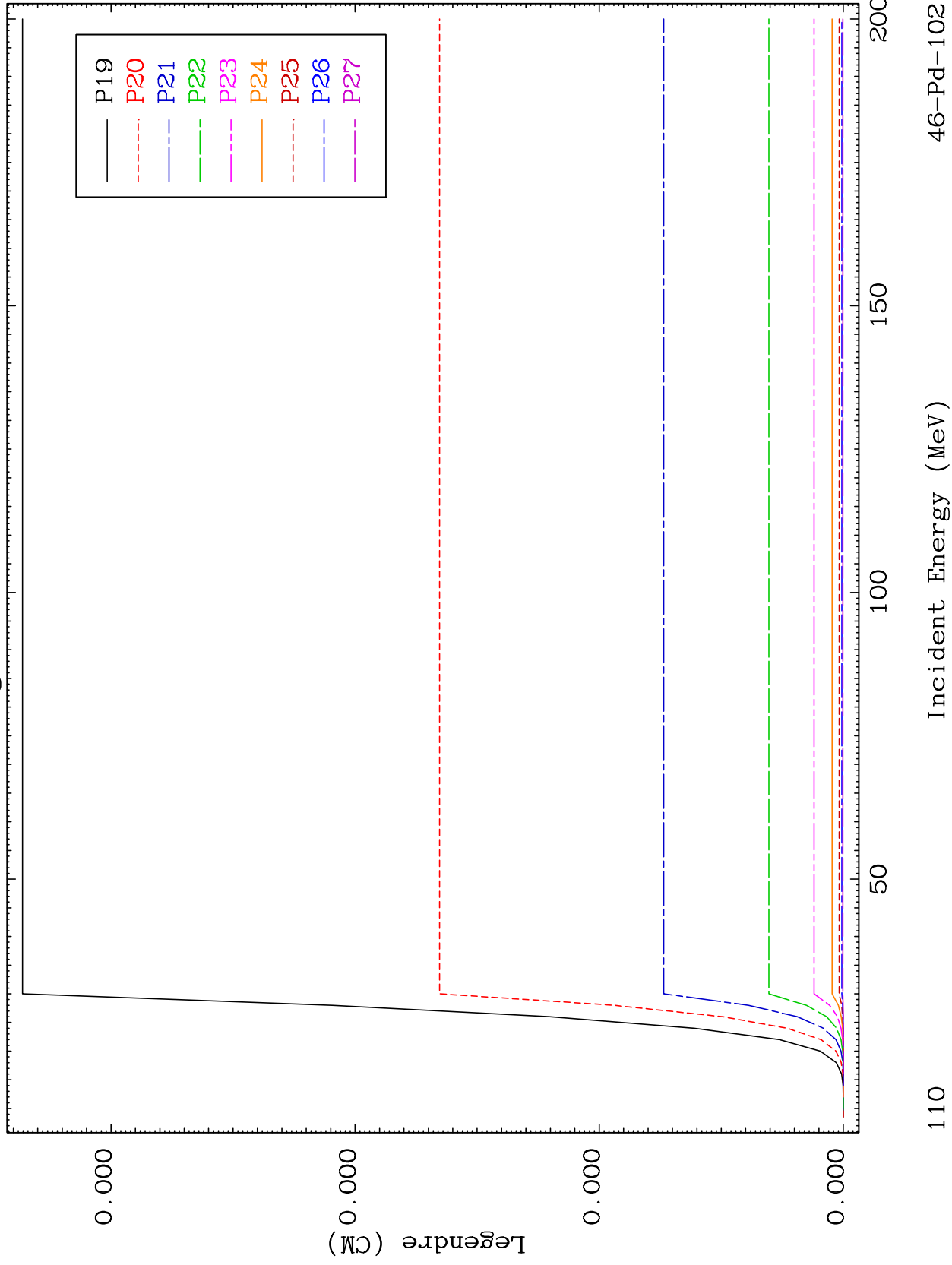
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102



110

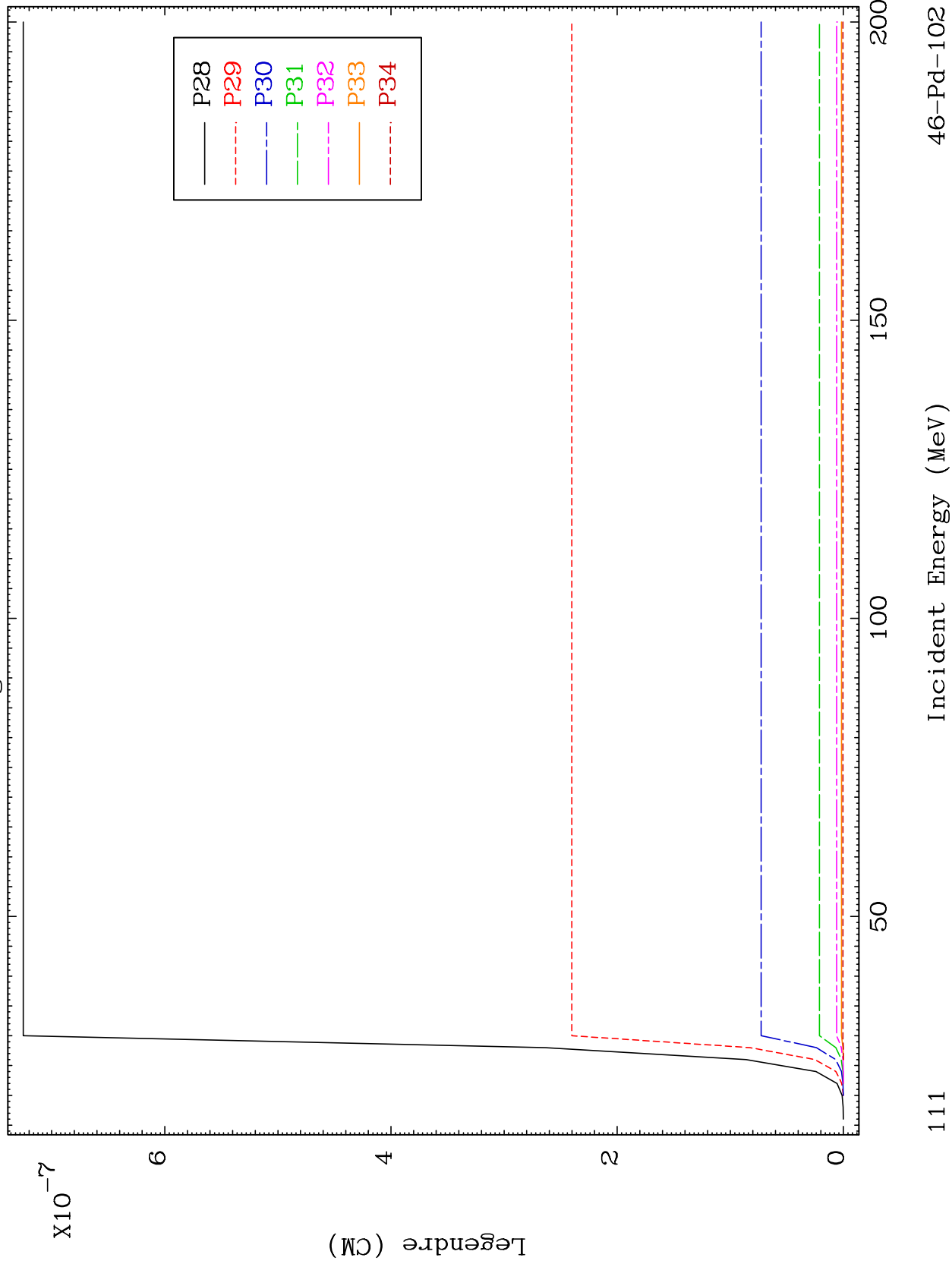
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102



111

Incident Energy (MeV)

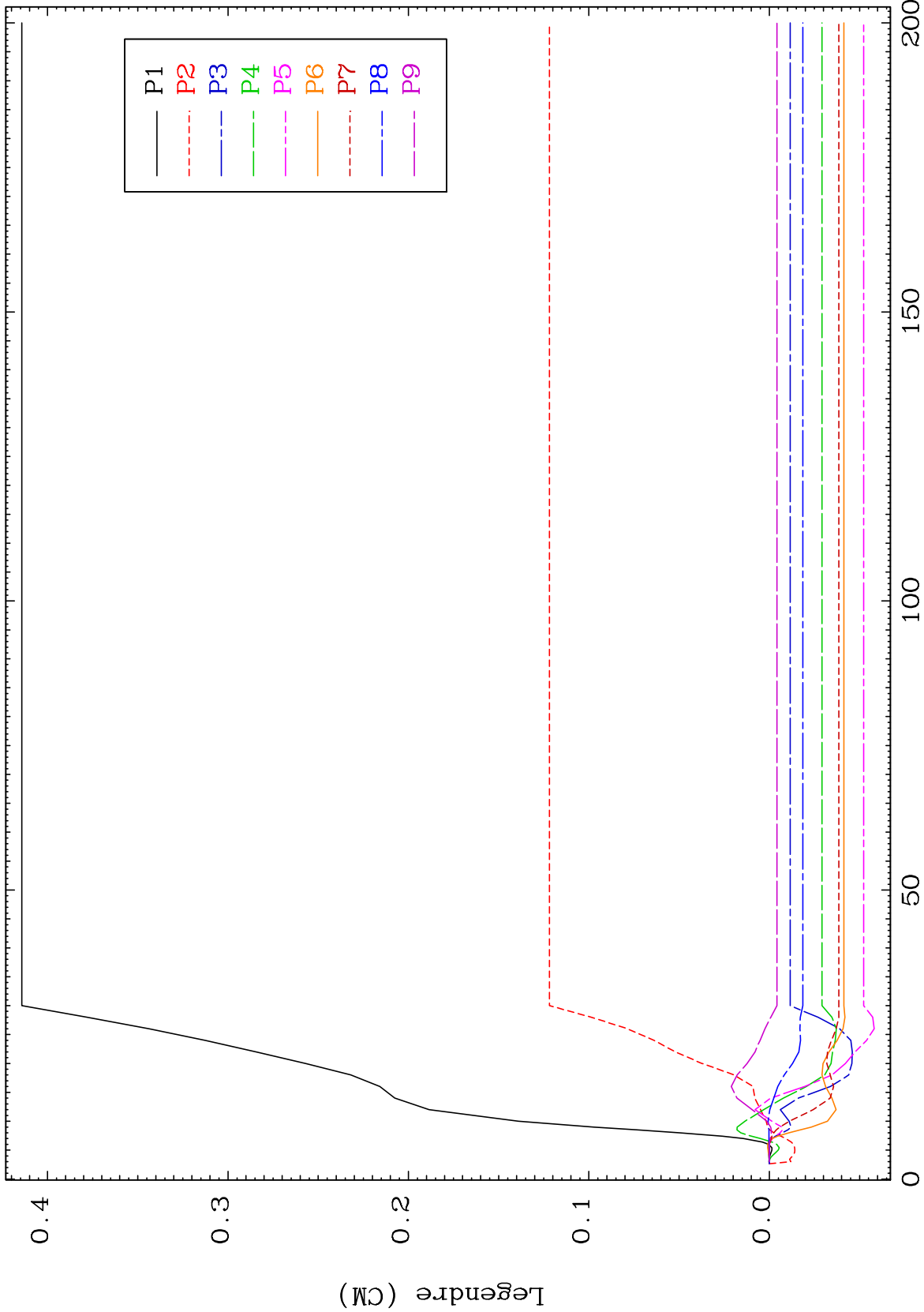
46-Pd-102



MAT 4625

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

46-Pd-102



112

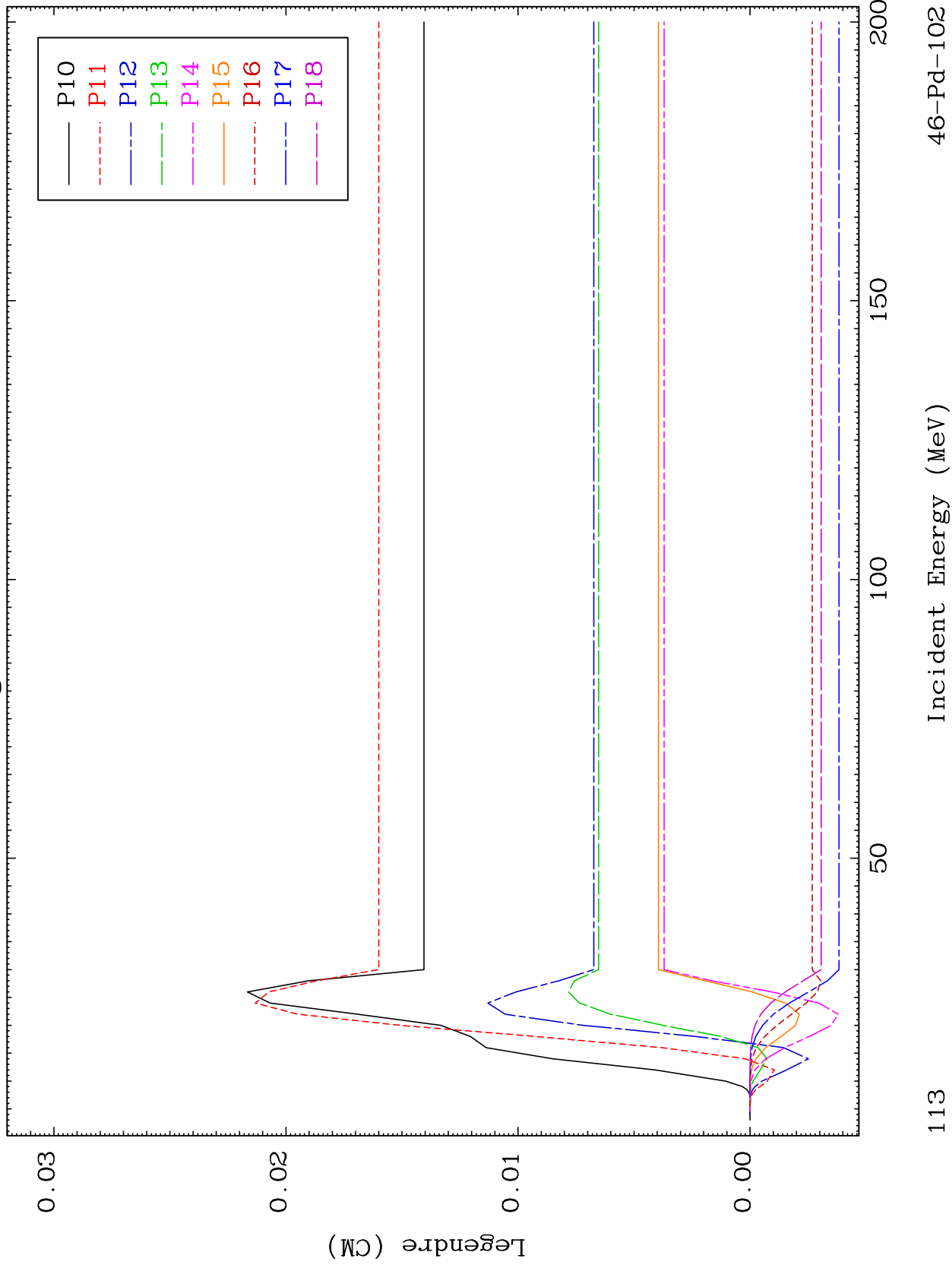
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

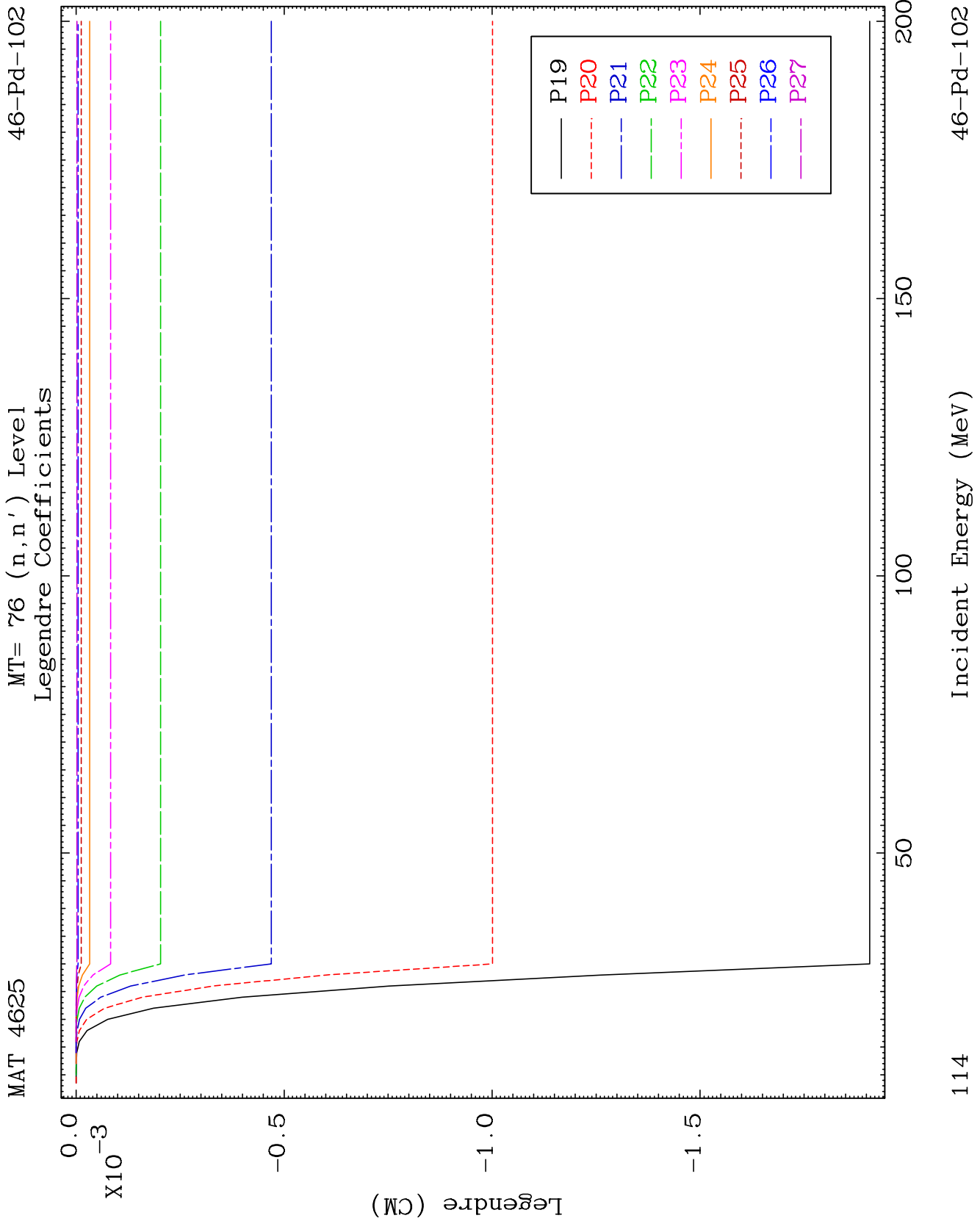
46-Pd-102

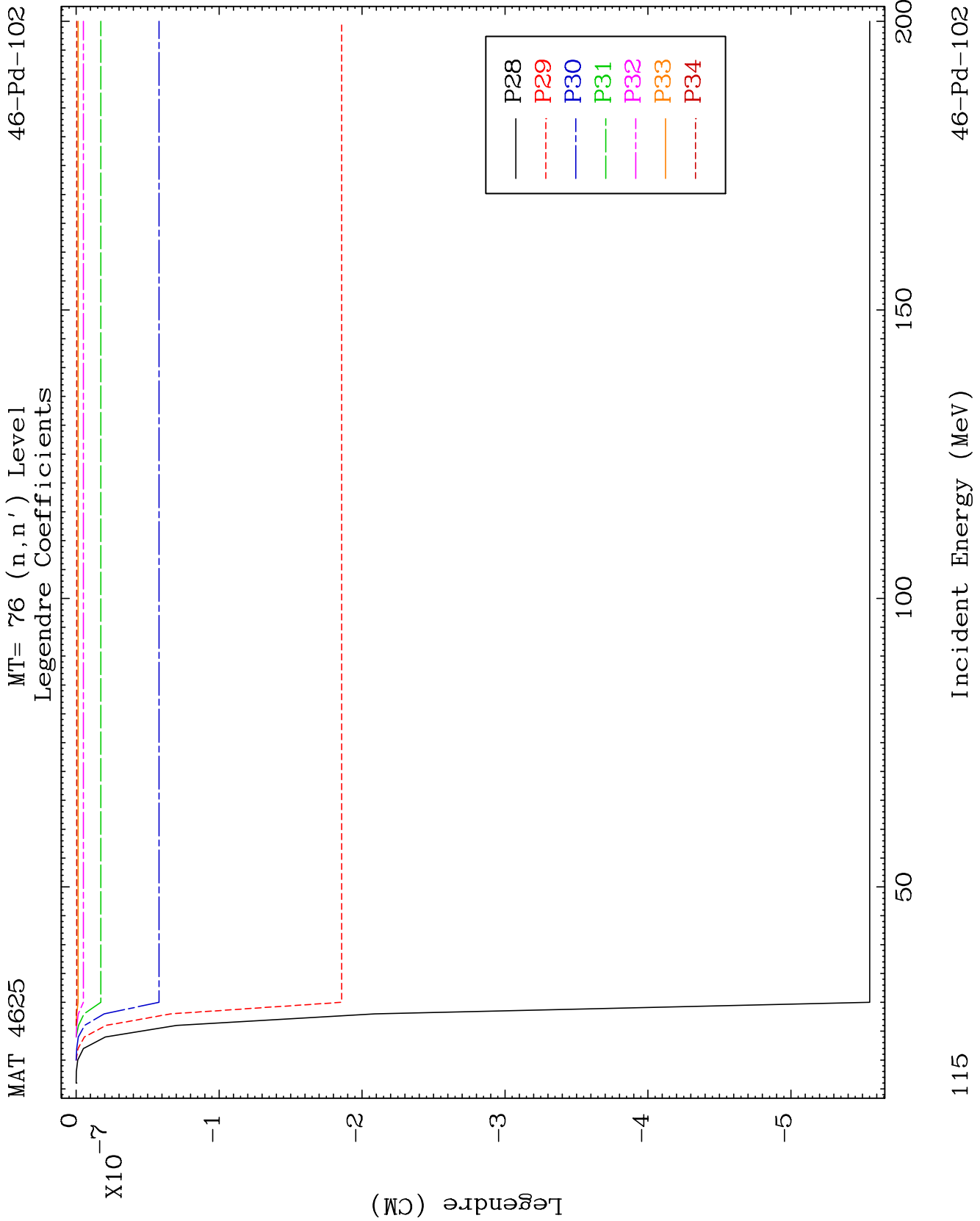


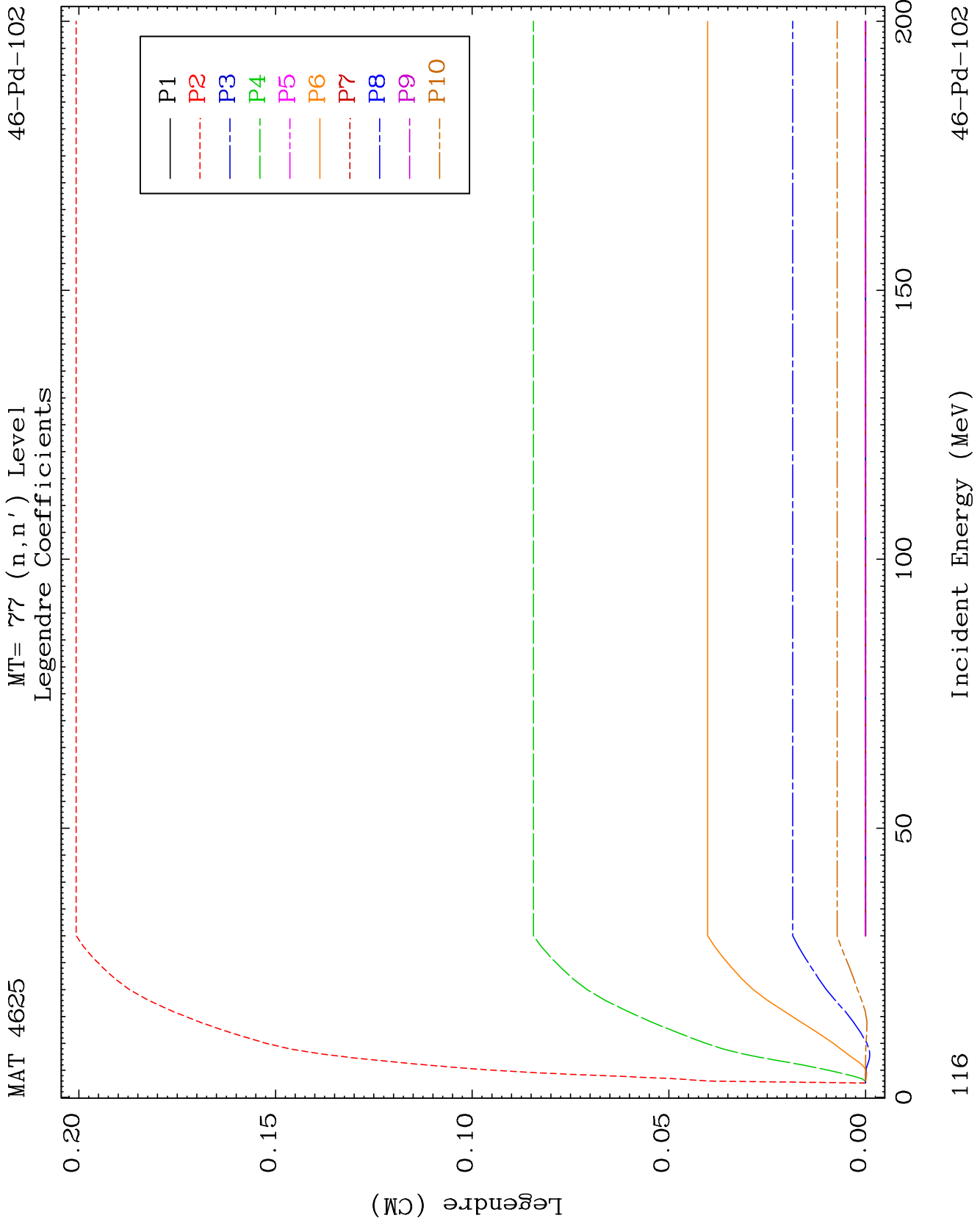
113

Incident Energy (MeV)

46-Pd-102



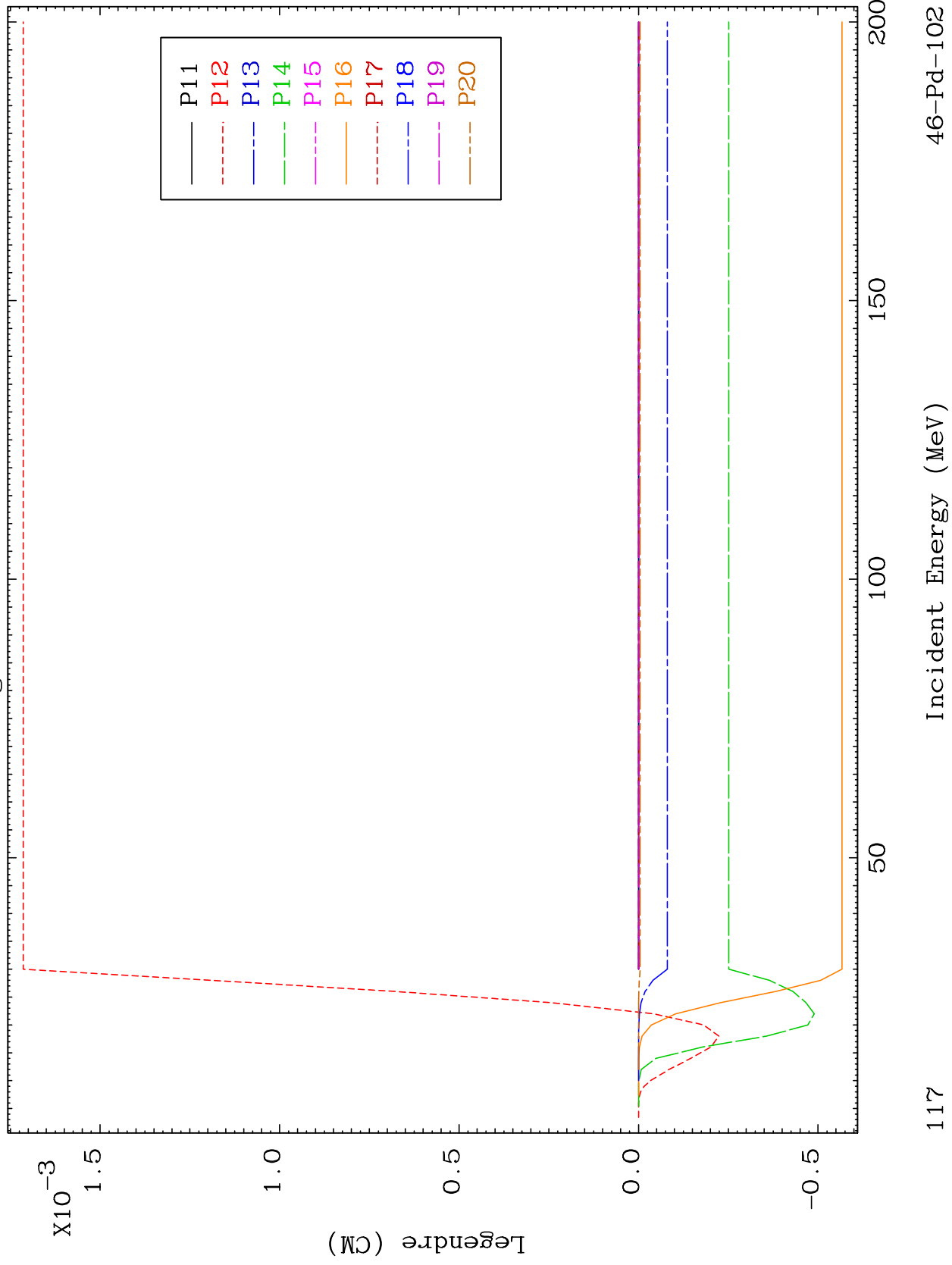




MAT 4625

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

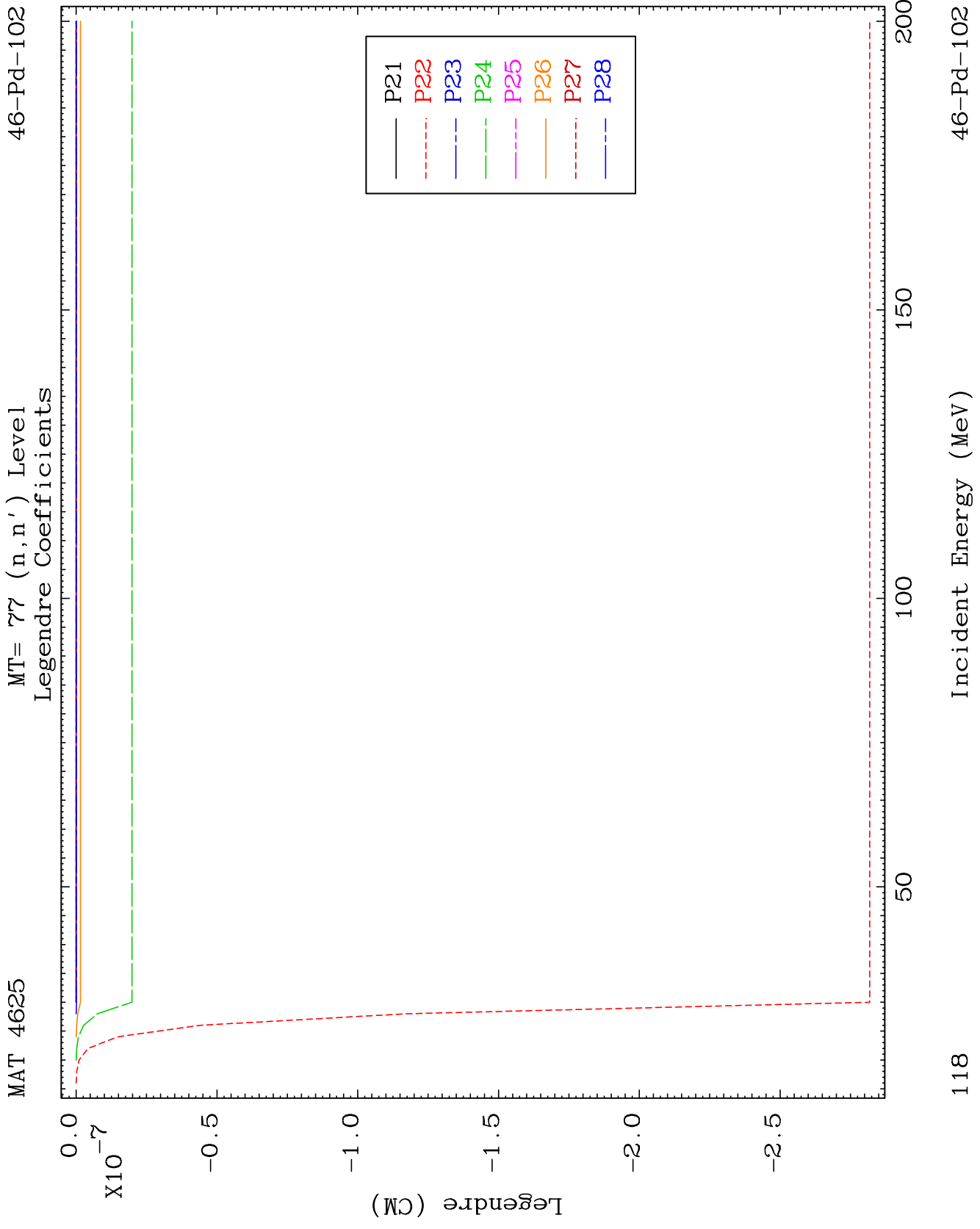
46-Pd-102



117

Incident Energy (MeV)

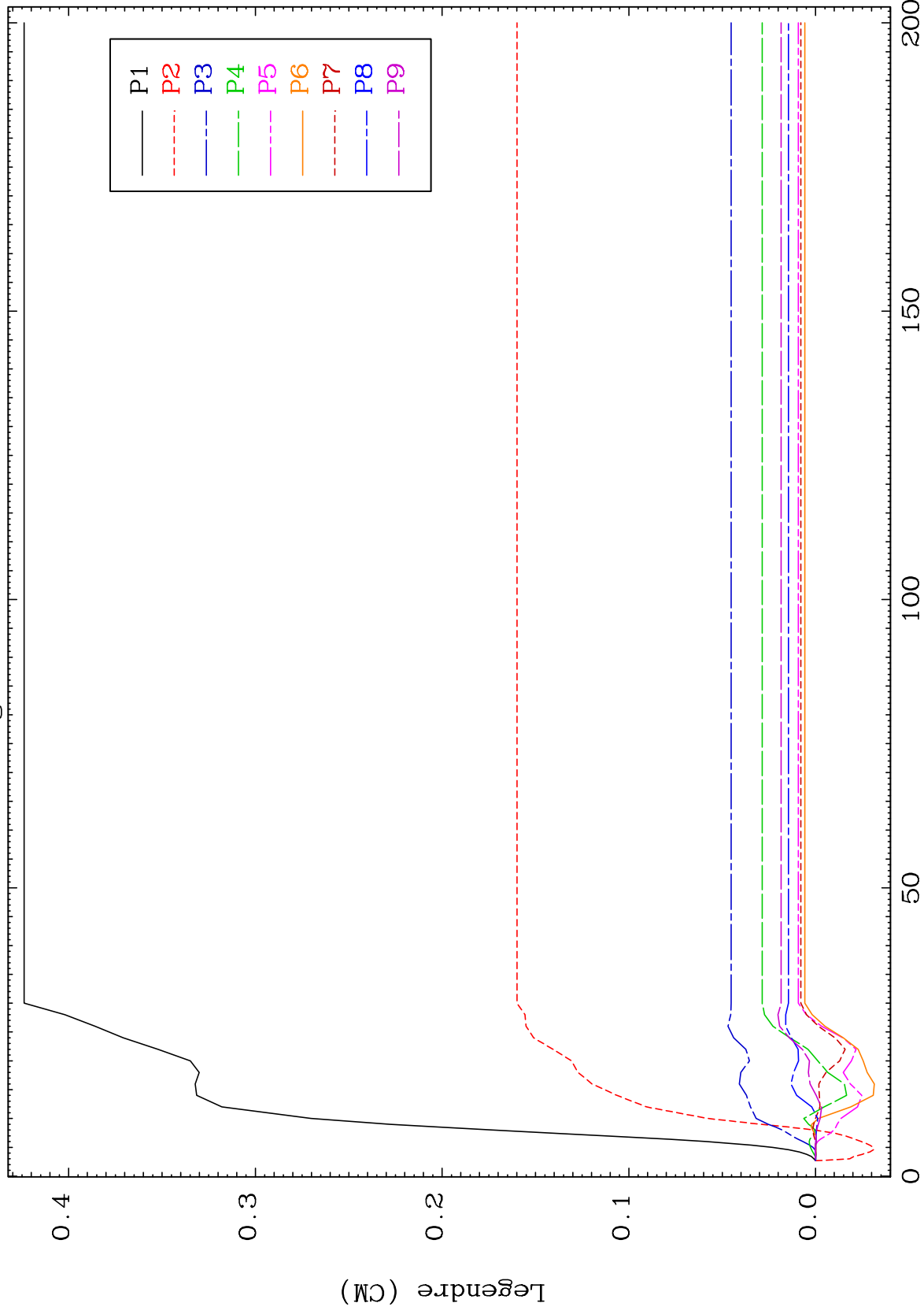
46-Pd-102



MAT 4625

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

46-Pd-102



119

Incident Energy (MeV)

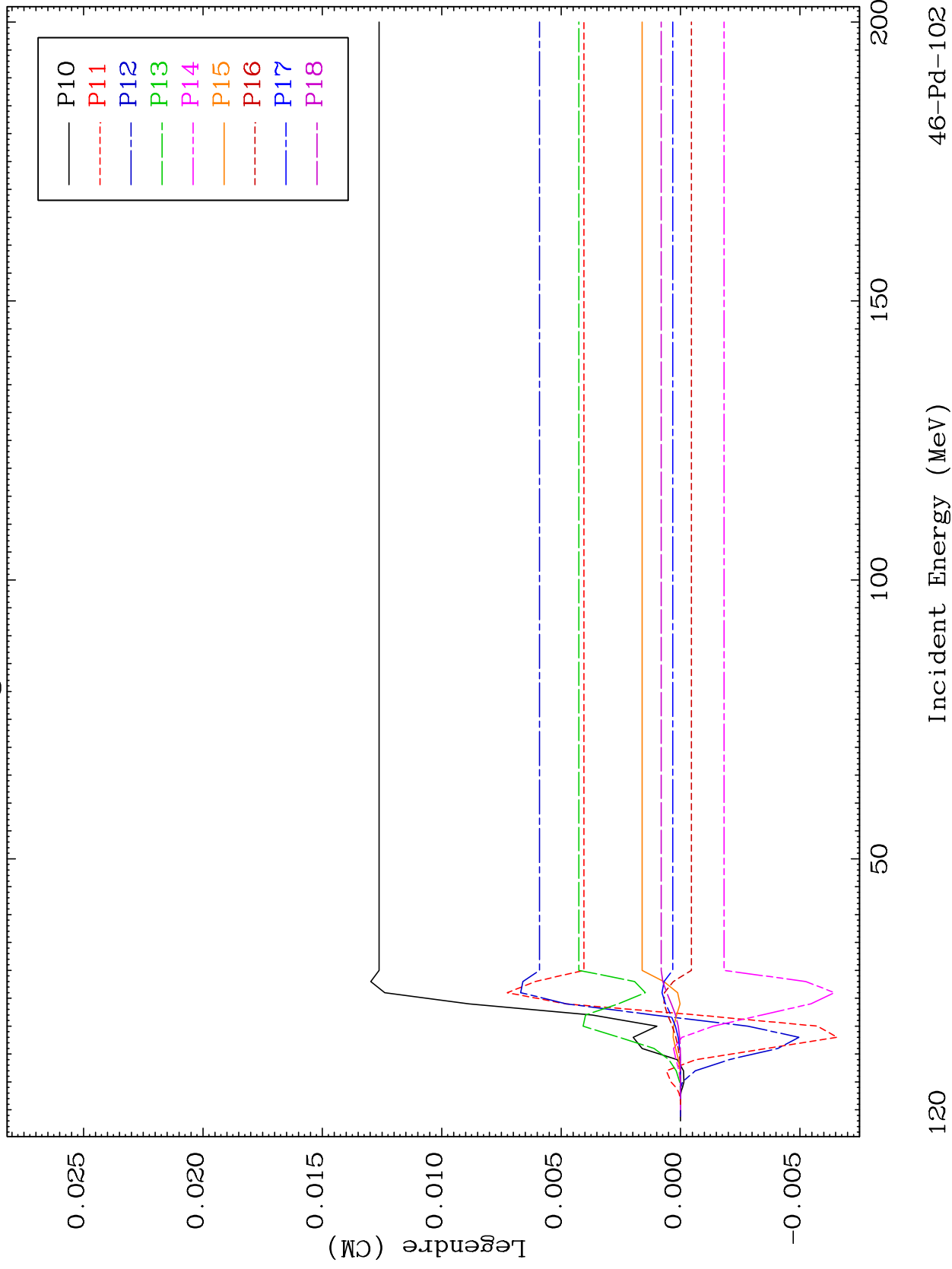
46-Pd-102



MAT 4625

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

46-Pd-102



46-Pd-102

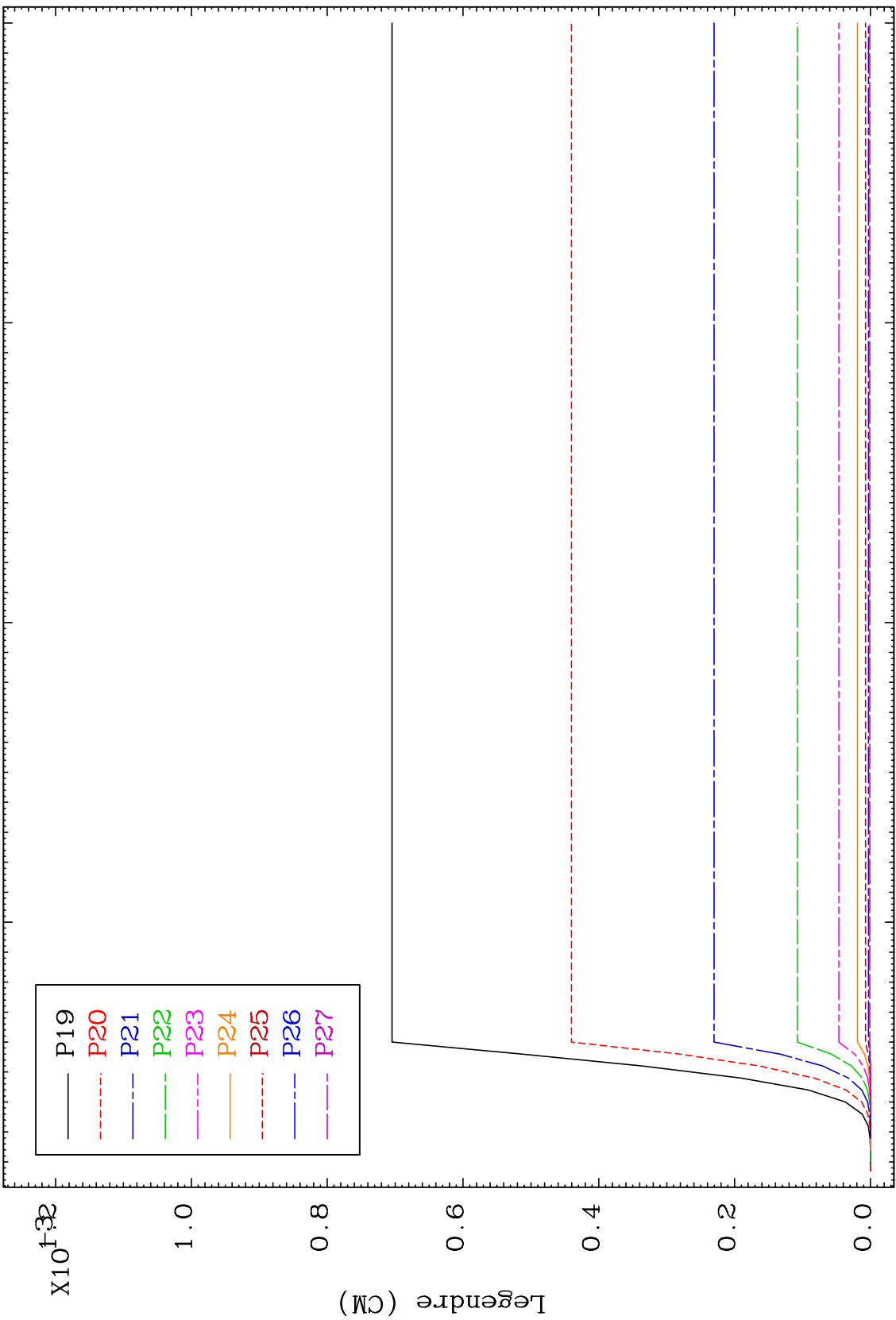
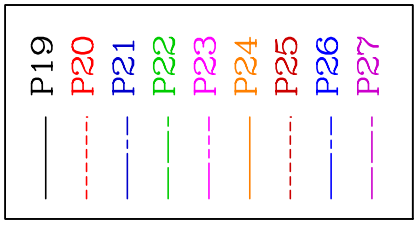
Incident Energy (MeV)

120

MAT 4625

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

46-Pd-102



121

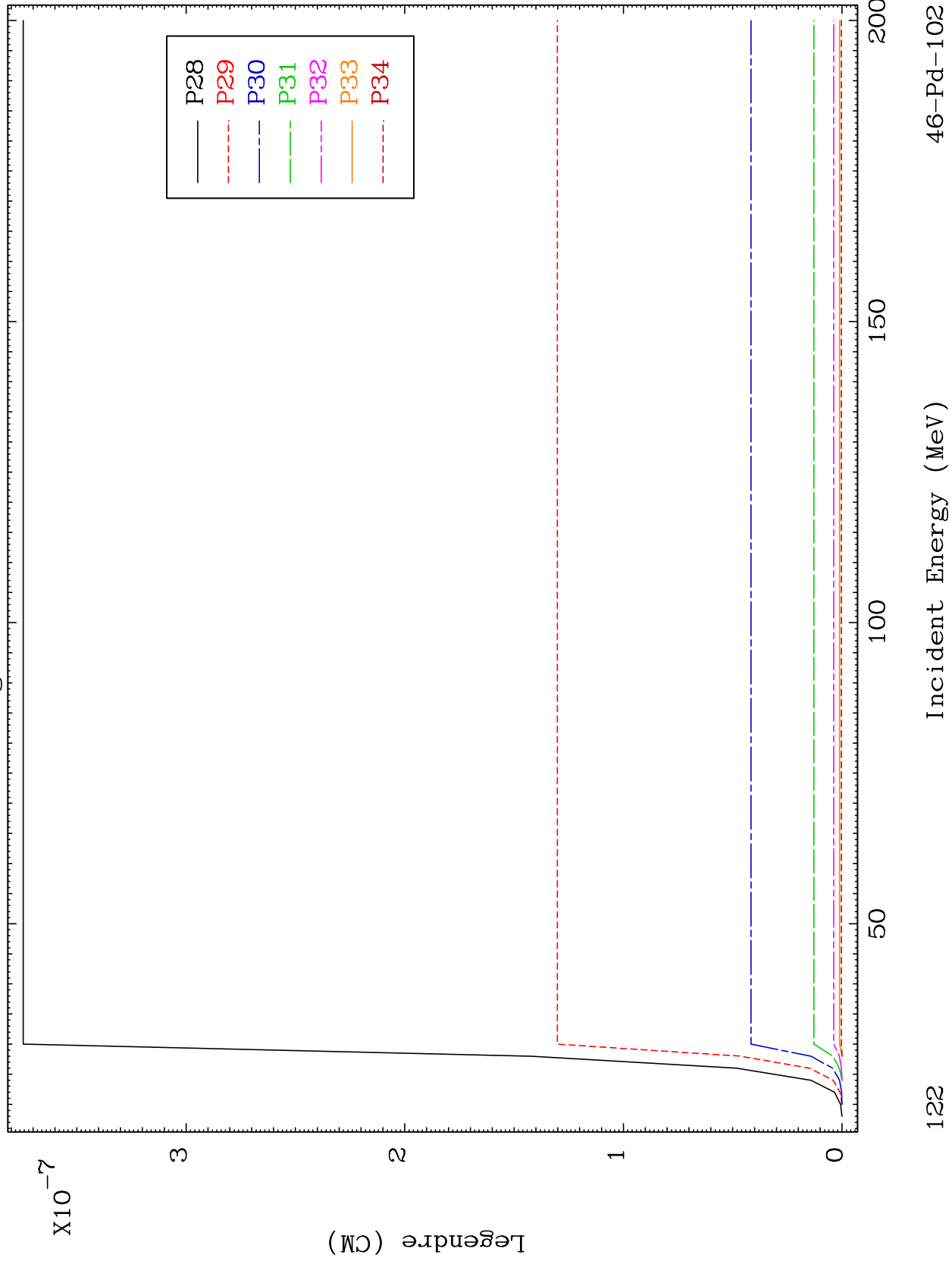
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102



122

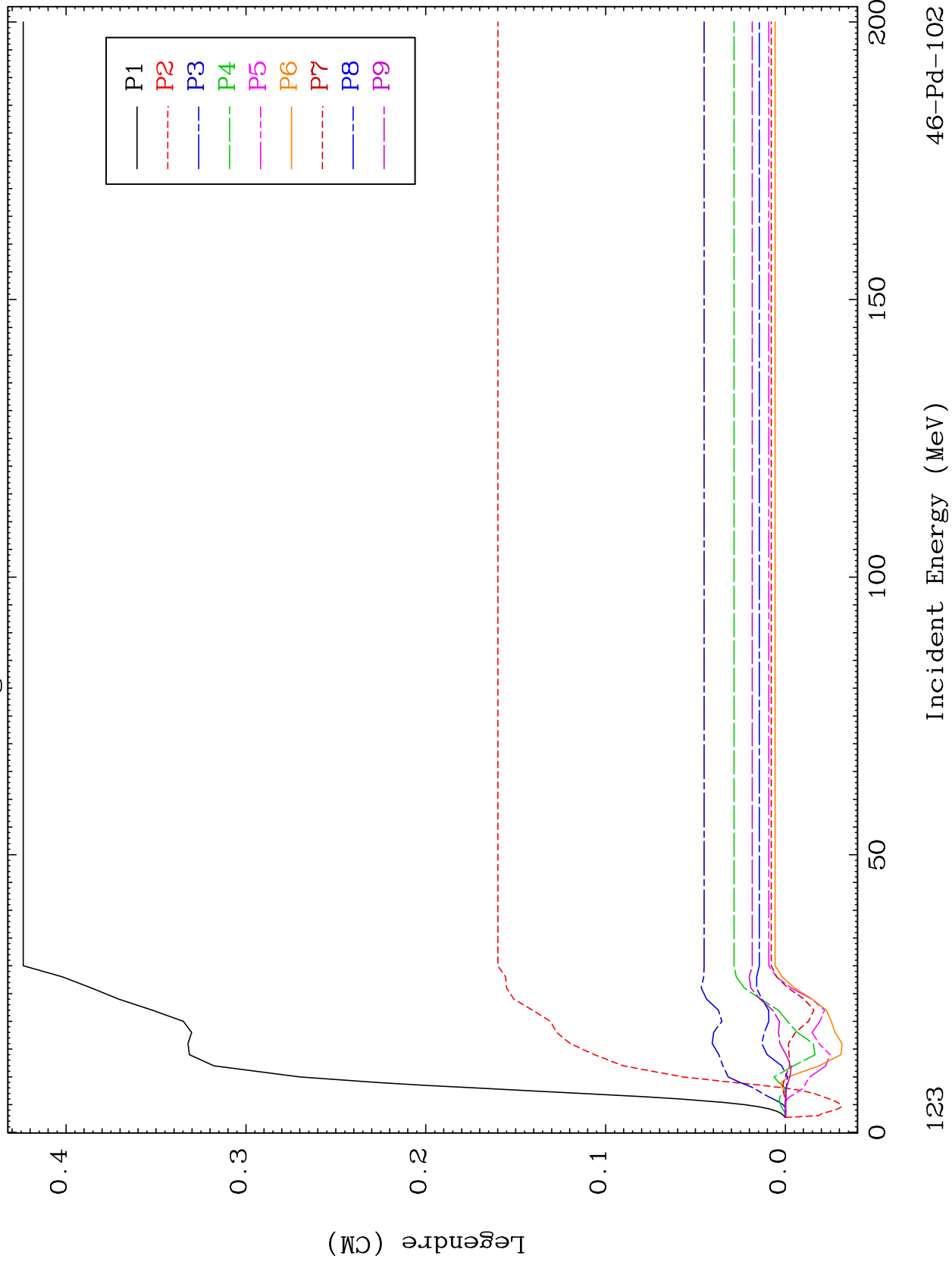
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102



123

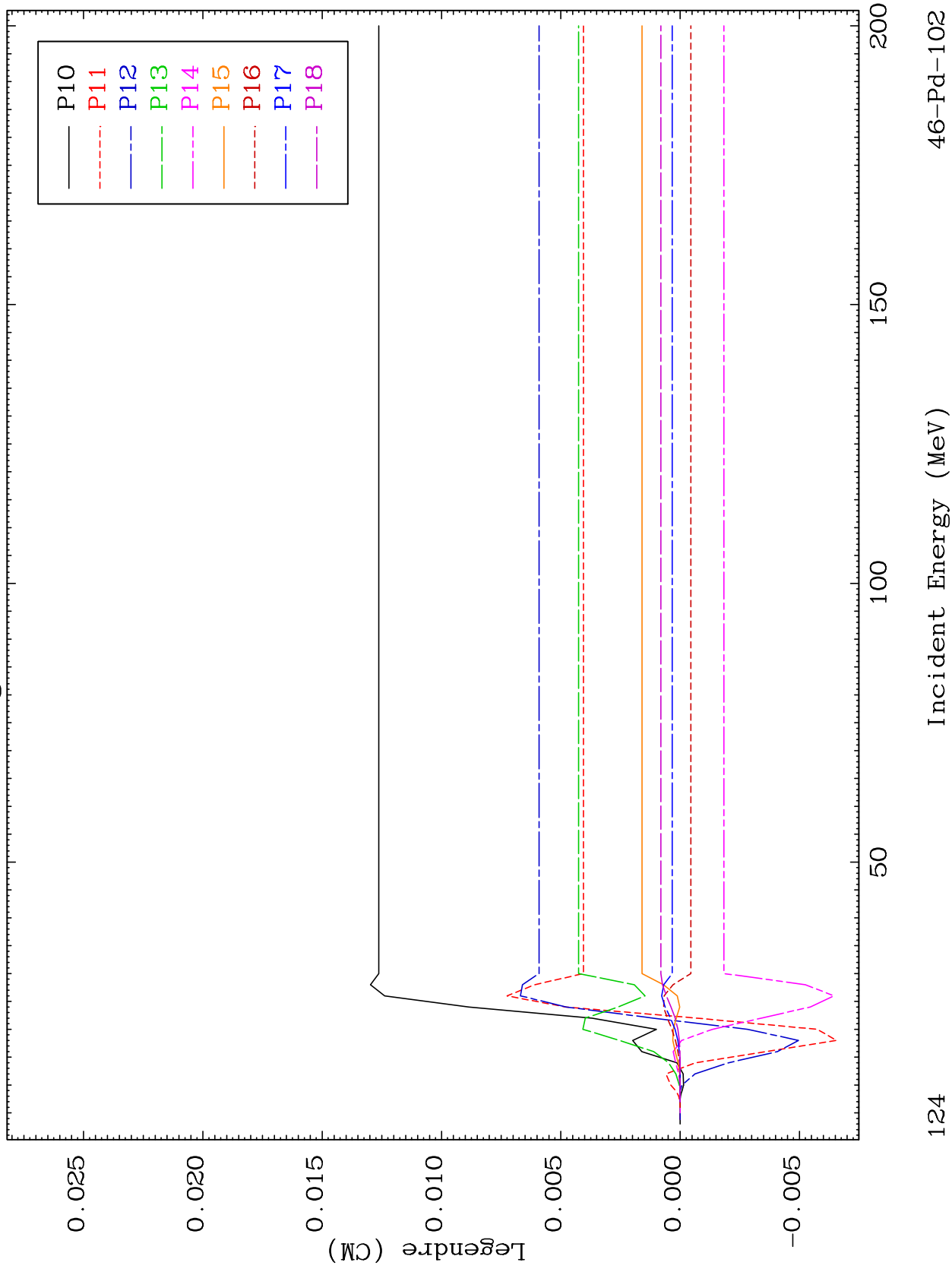
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

46-Pd-102



124

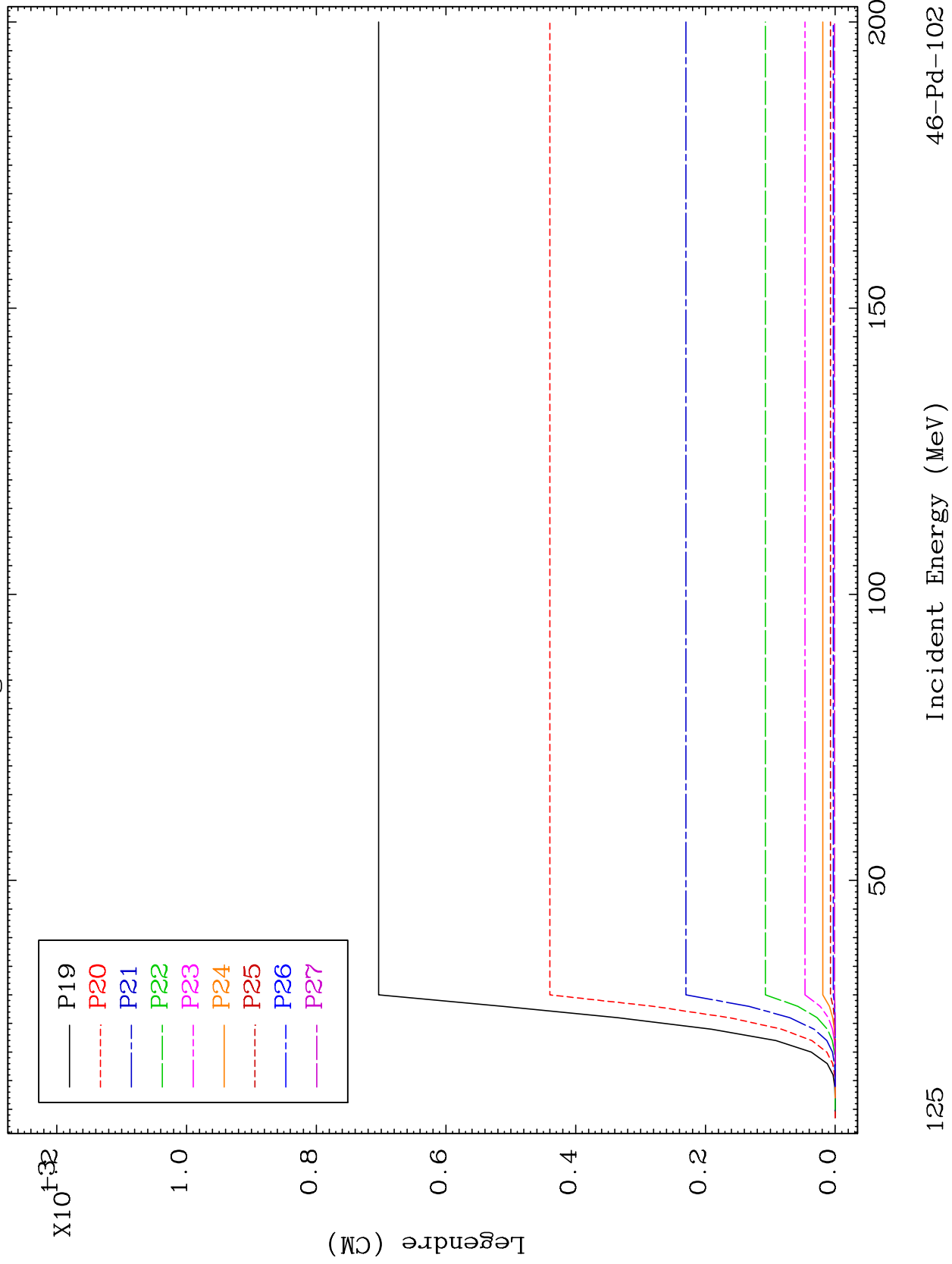
Incident Energy (MeV)

46-Pd-102

MAT 4625

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

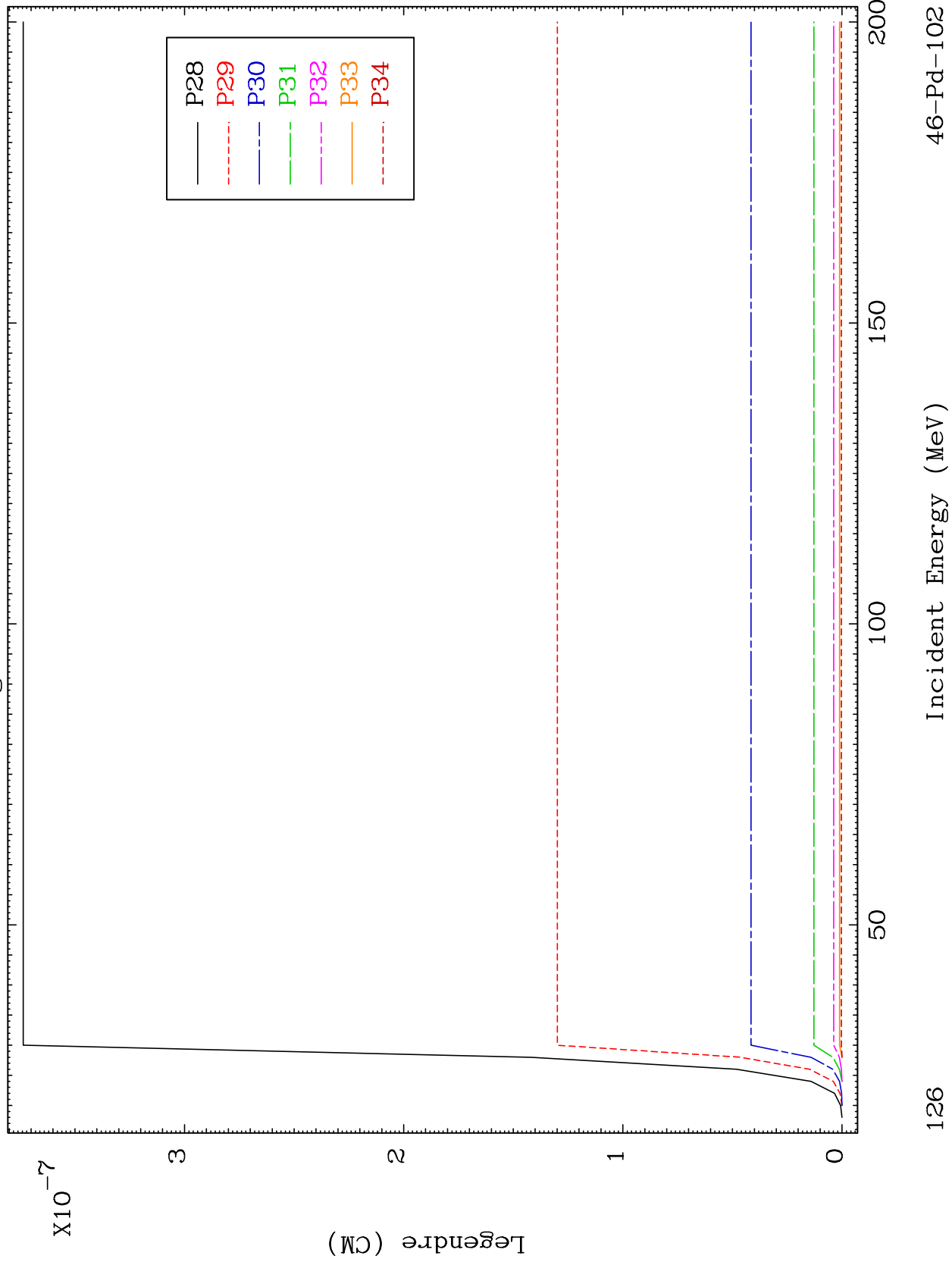
46-Pd-102



MAT 4625

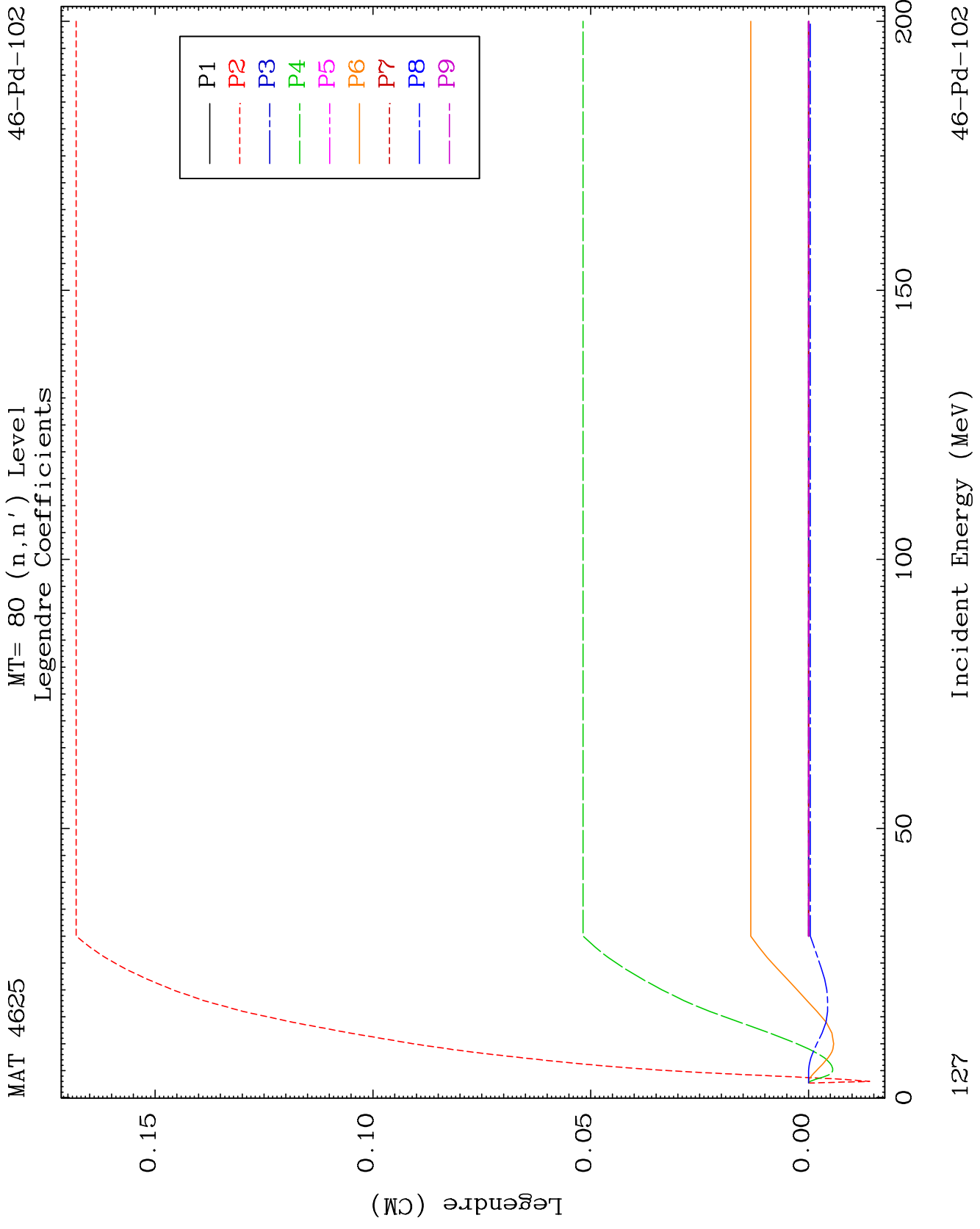
MT= 79 (n,n') Level  
Legendre Coefficients

46-Pd-102

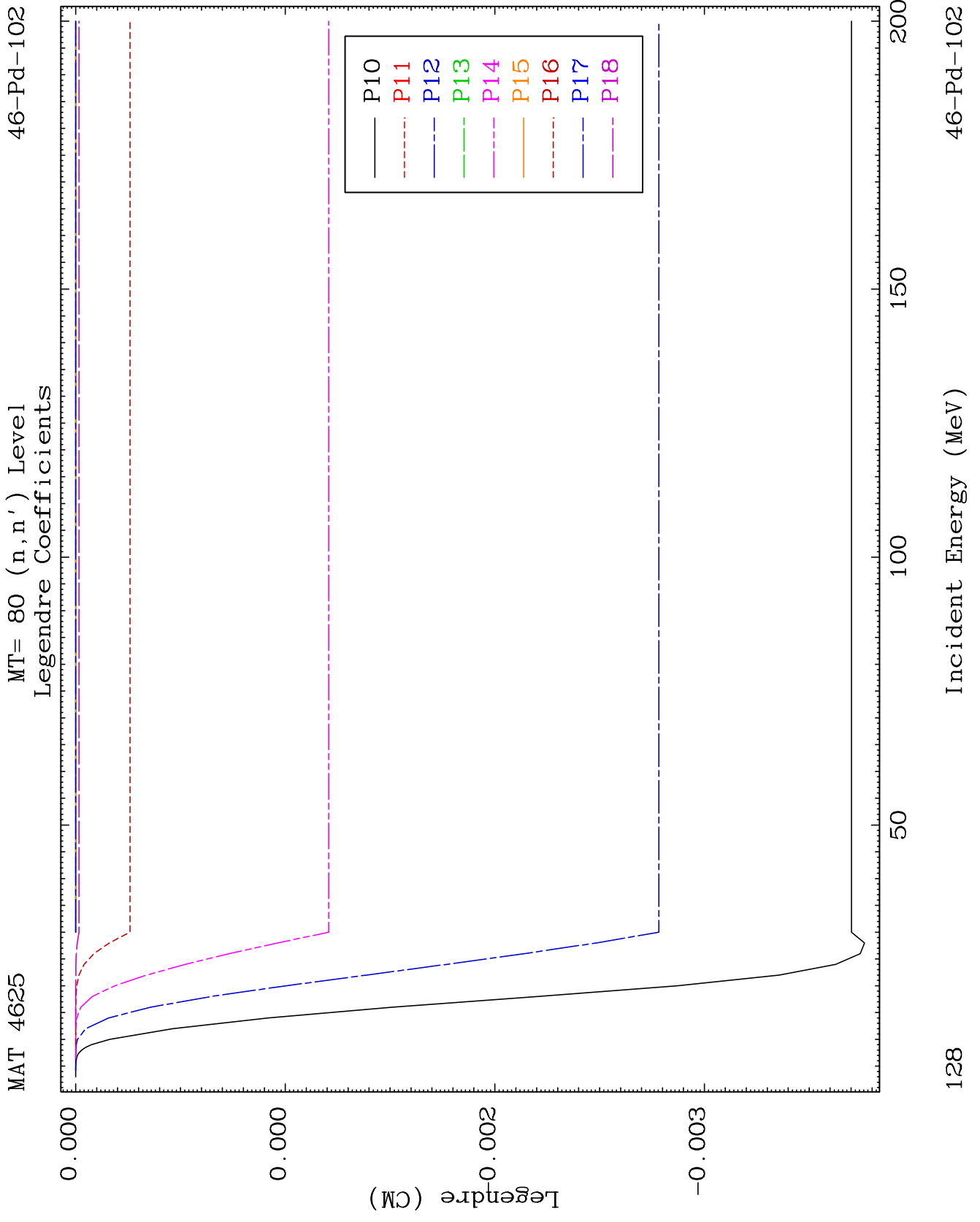


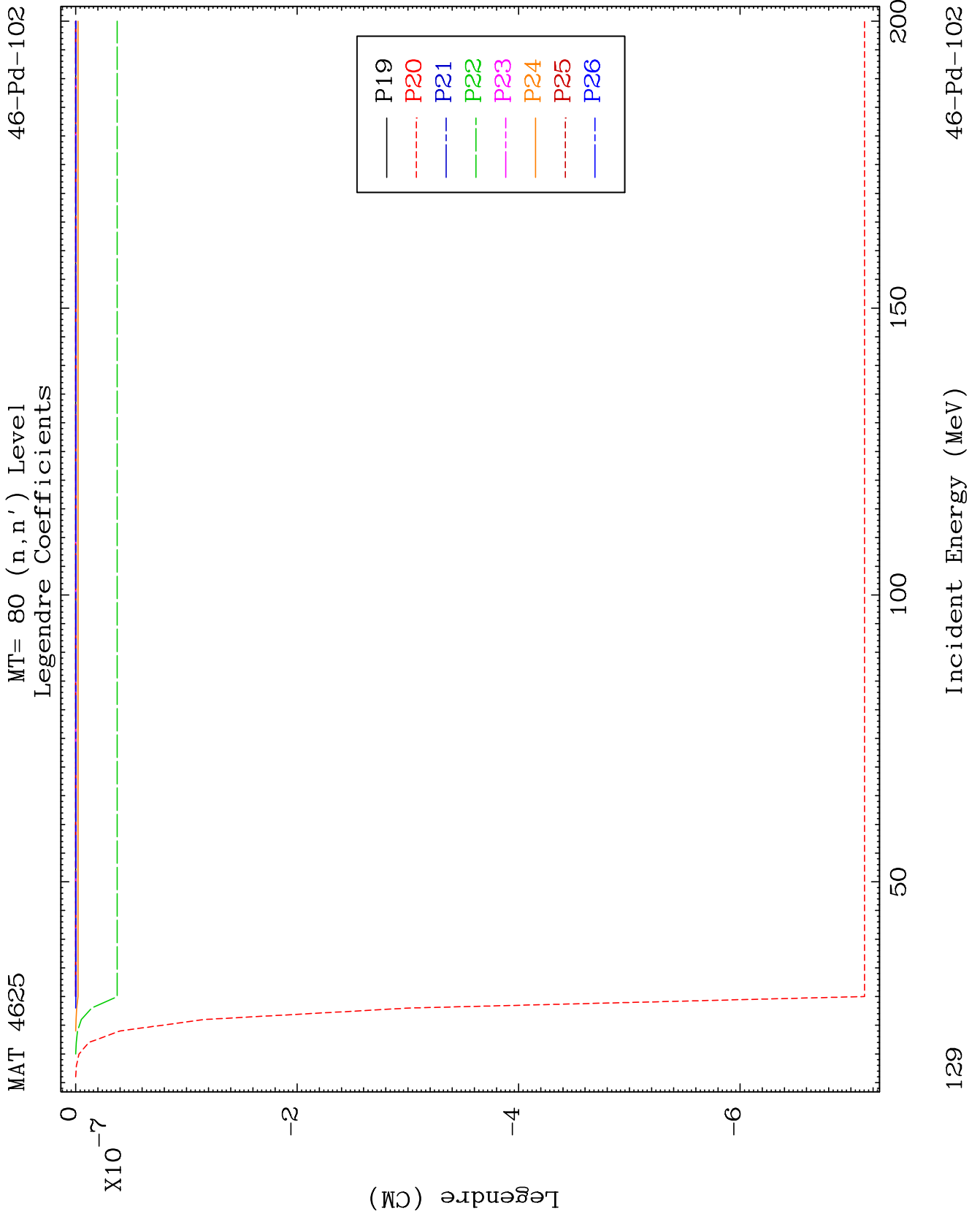
126

46-Pd-102







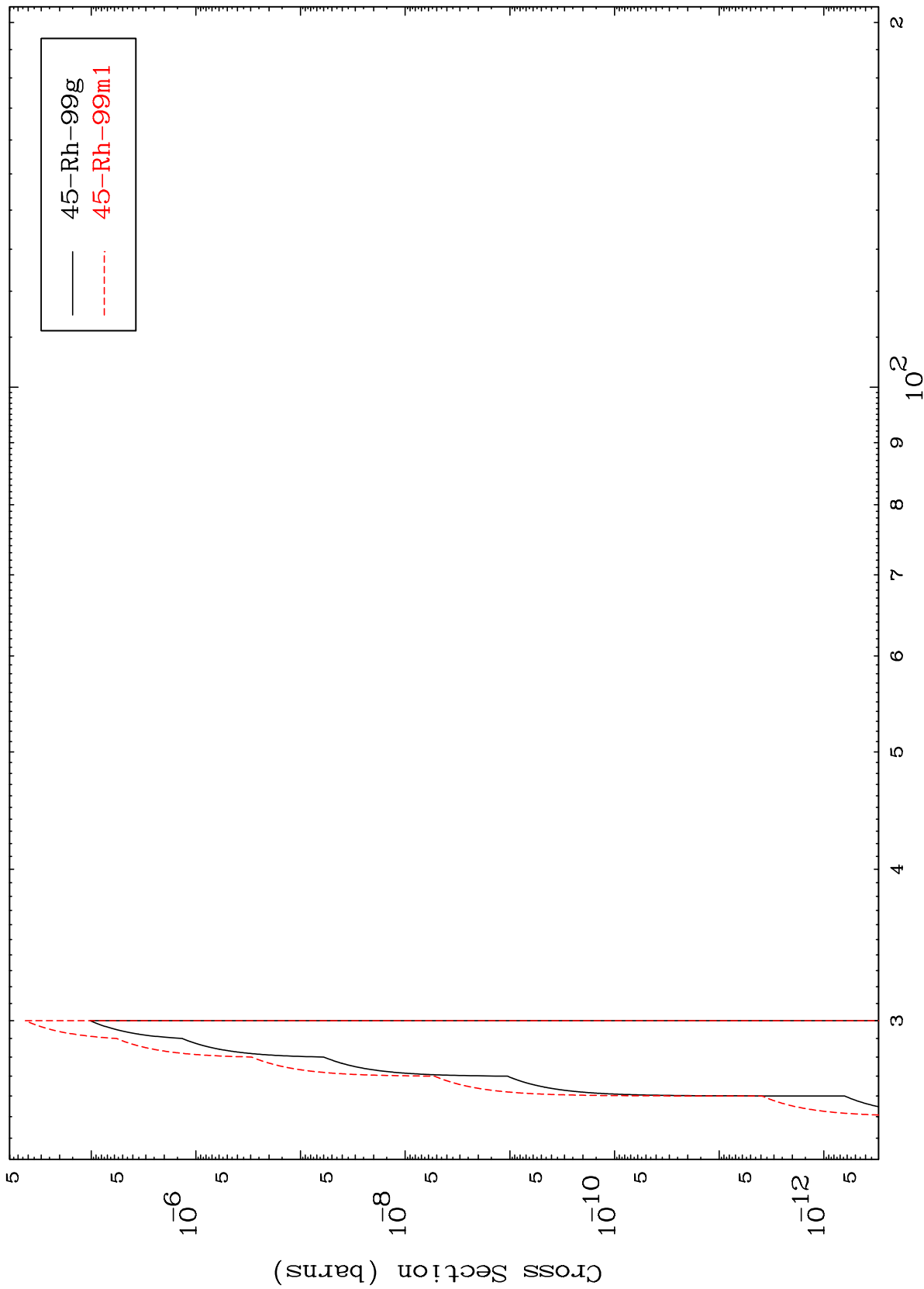


MAT 4625

(n,2n) d

46-Pd-102

Radionuclide Production Cross Section



130

Incident Energy (MeV)

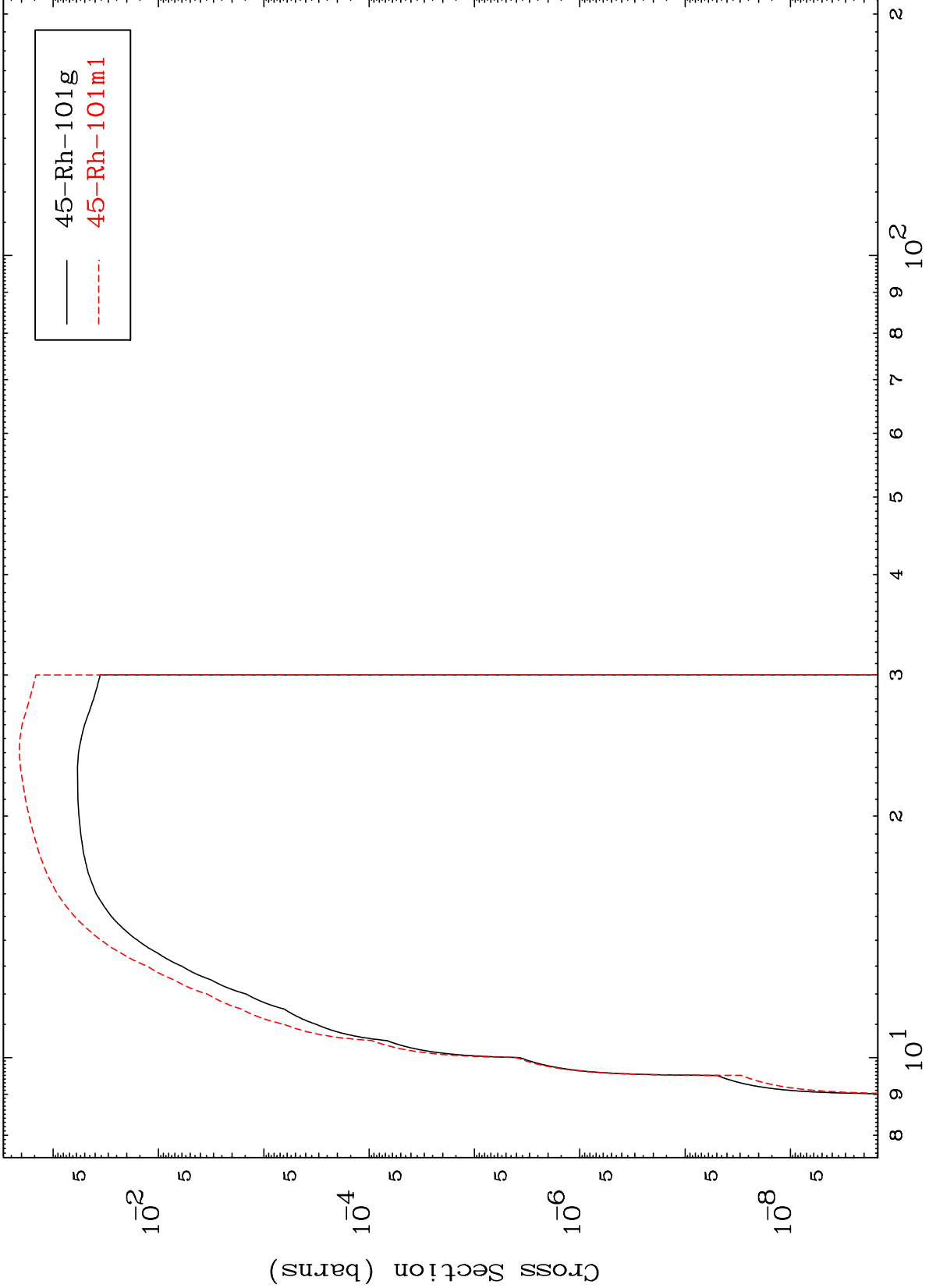
46-Pd-102

MAT 4625

(n,n') p

46-Pd-102

Radionuclide Production Cross Section



131

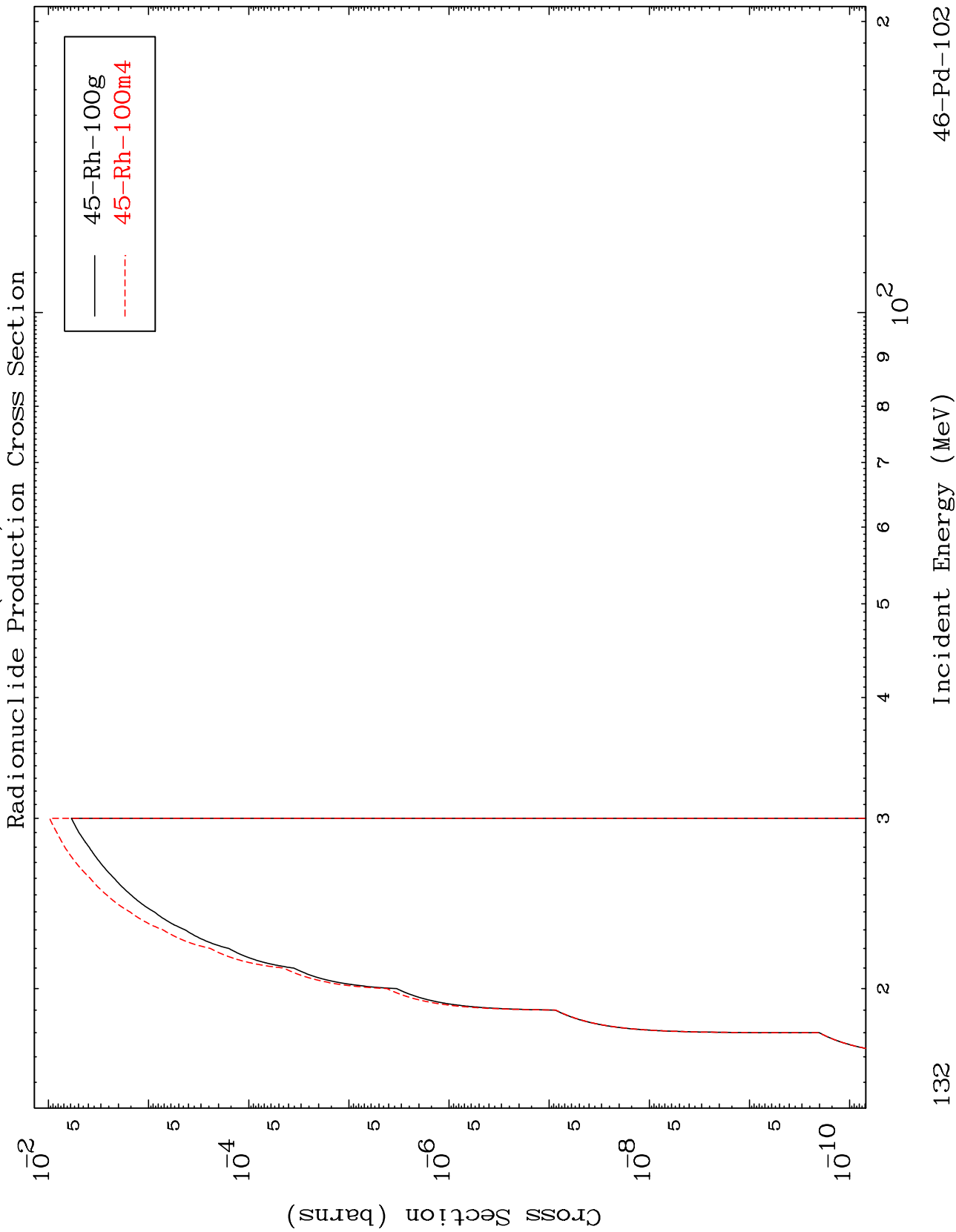
Incident Energy (MeV)

46-Pd-102

MAT 4625

(n,n') d

46-Pd-102

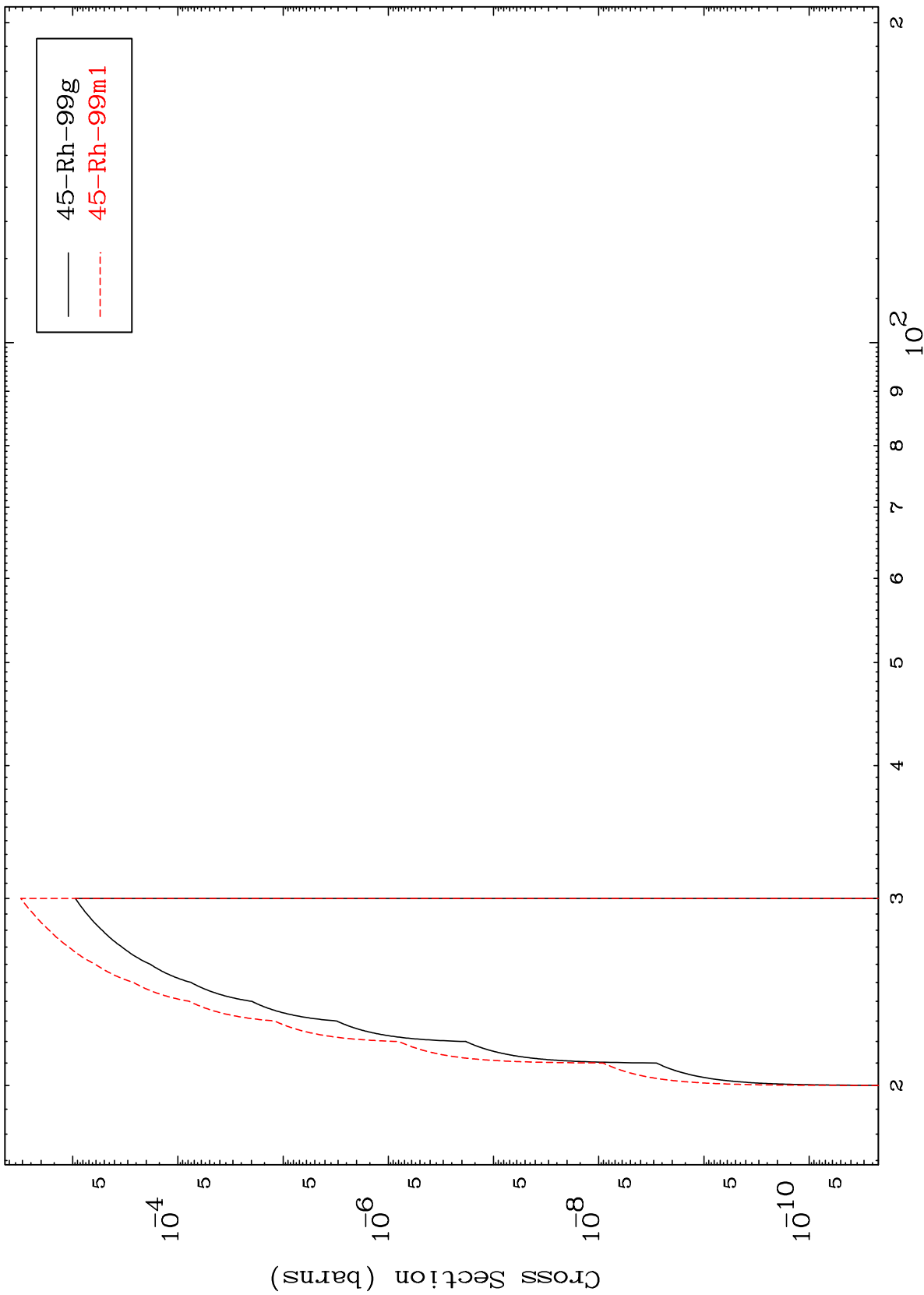


132

Incident Energy (MeV)

46-Pd-102

Radionuclide Production Cross Section



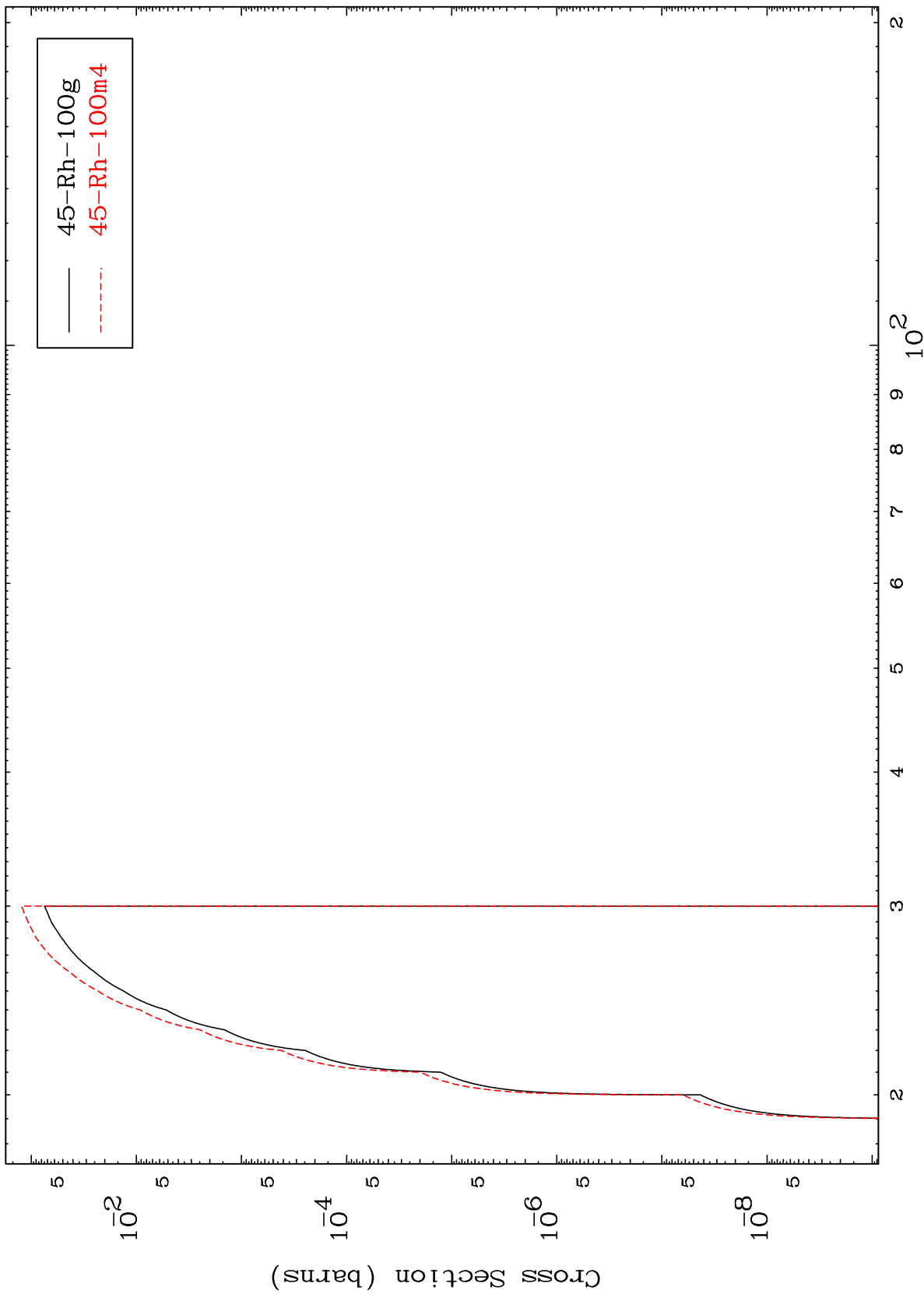
45-Rh-99g  
45-Rh-99m1

MAT 4625

(n,2n) p

46-Pd-102

Radionuclide Production Cross Section



134

Incident Energy (MeV)

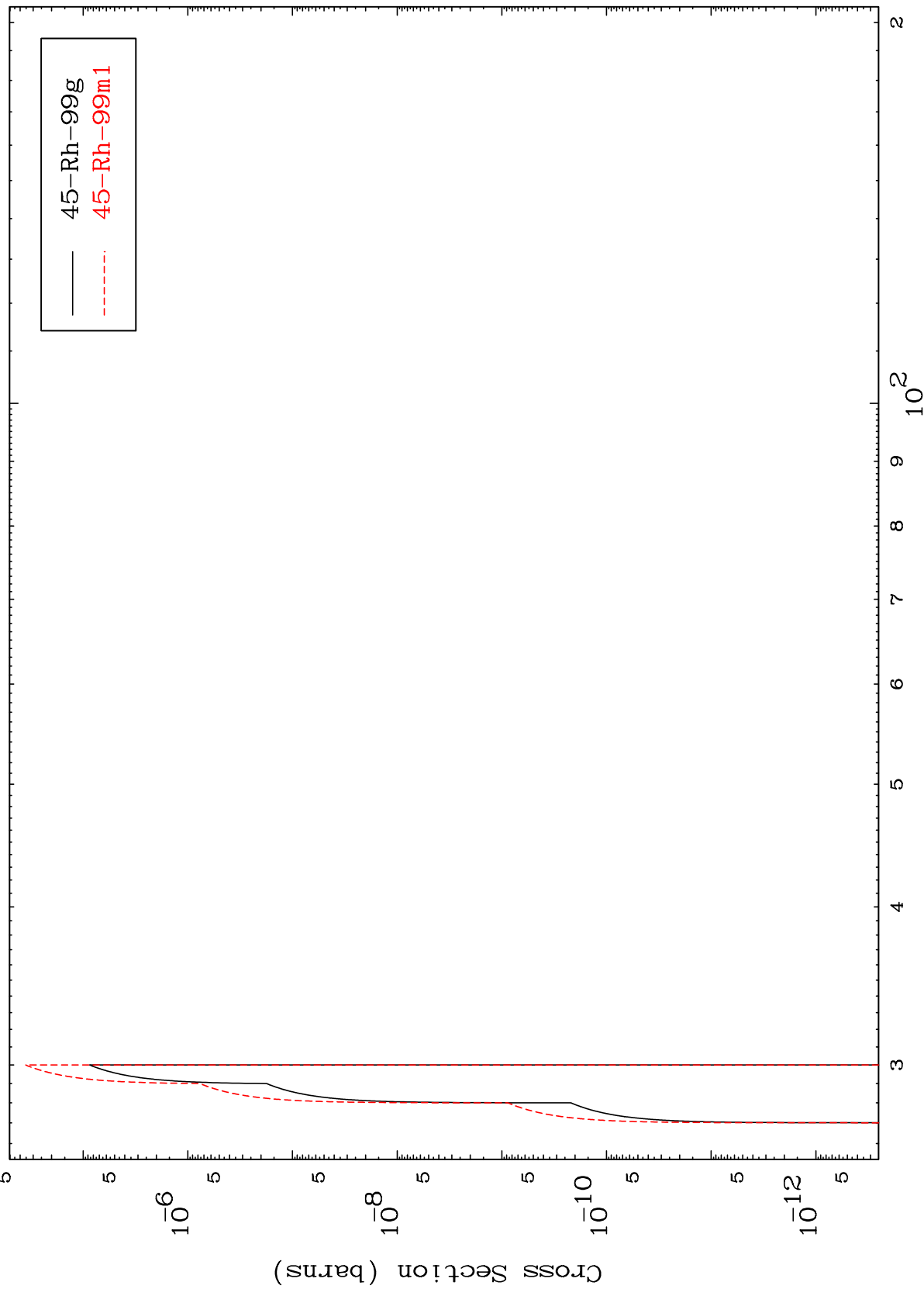
46-Pd-102

MAT 4625

(n,3n) p

46-Pd-102

Radionuclide Production Cross Section



45-Rh-99g  
45-Rh-99m1

135

Incident Energy (MeV)

46-Pd-102

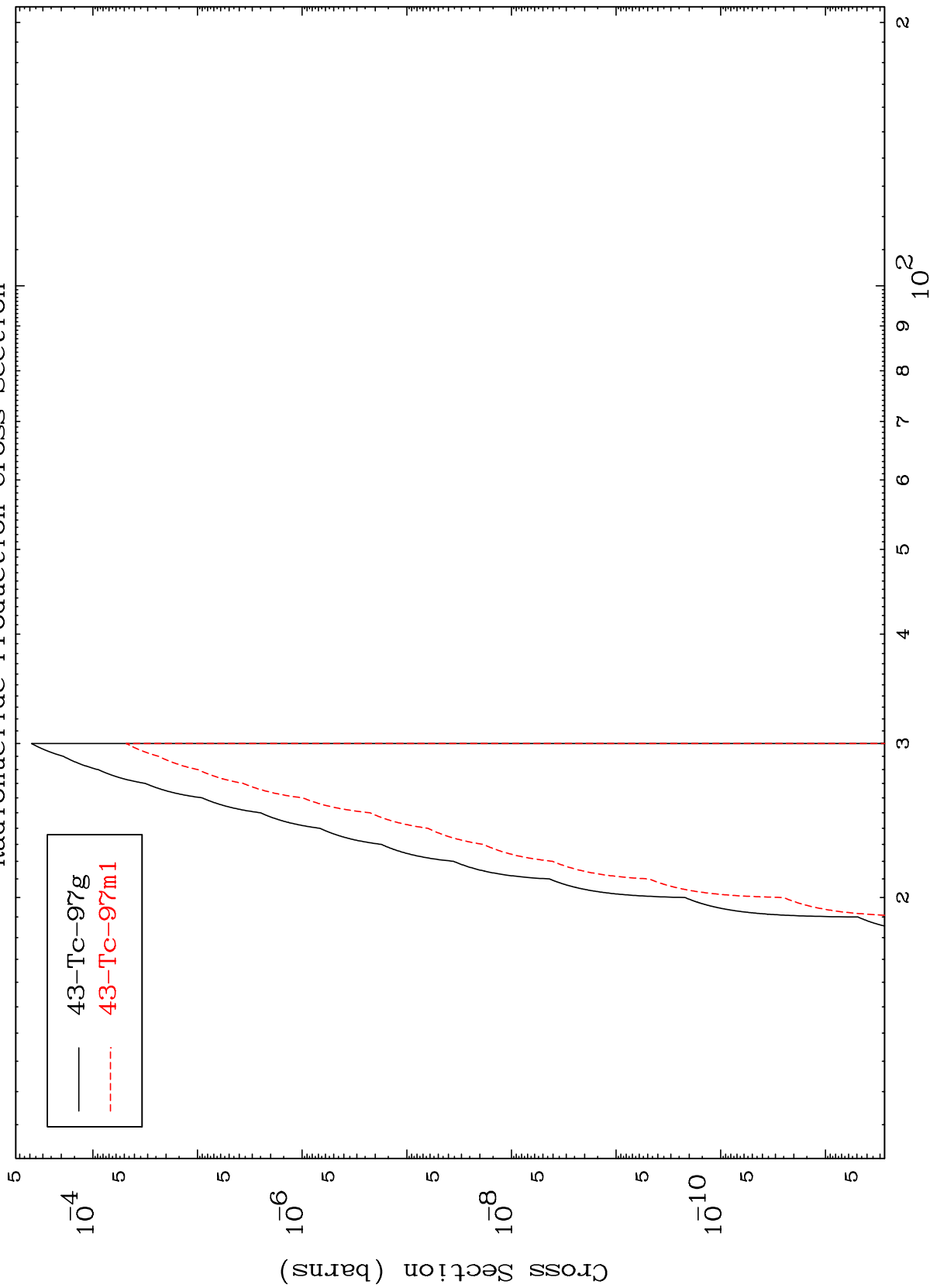


MAT 4625

(n,n') p  $\alpha$

46-Pd-102

Radionuclide Production Cross Section



136

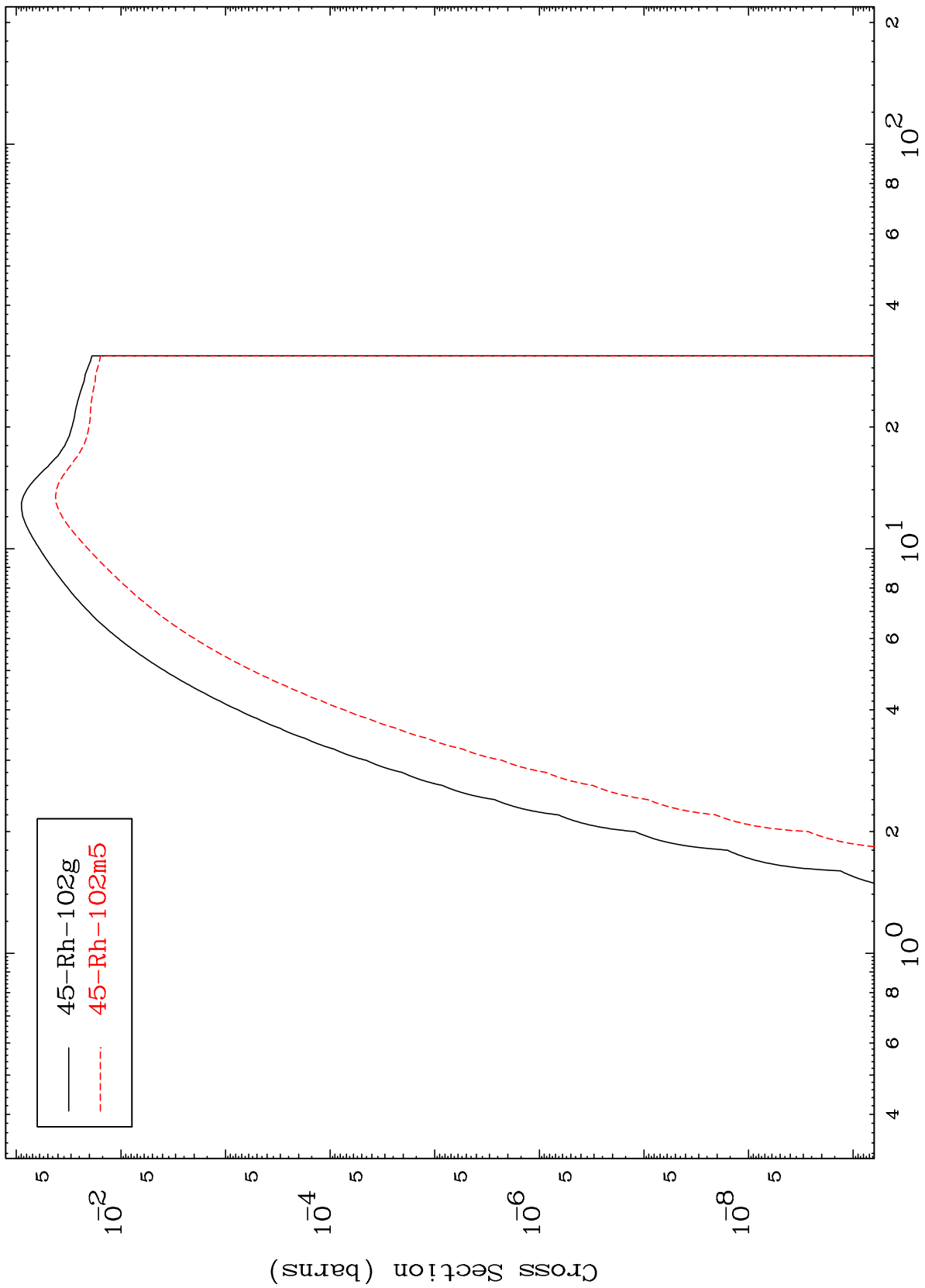
Incident Energy (MeV)

46-Pd-102

MAT 4625

46-Pd-102

(n,p)  
Radionuclide Production Cross Section



— 45-Rh-102g  
- - - 45-Rh-102m5

137

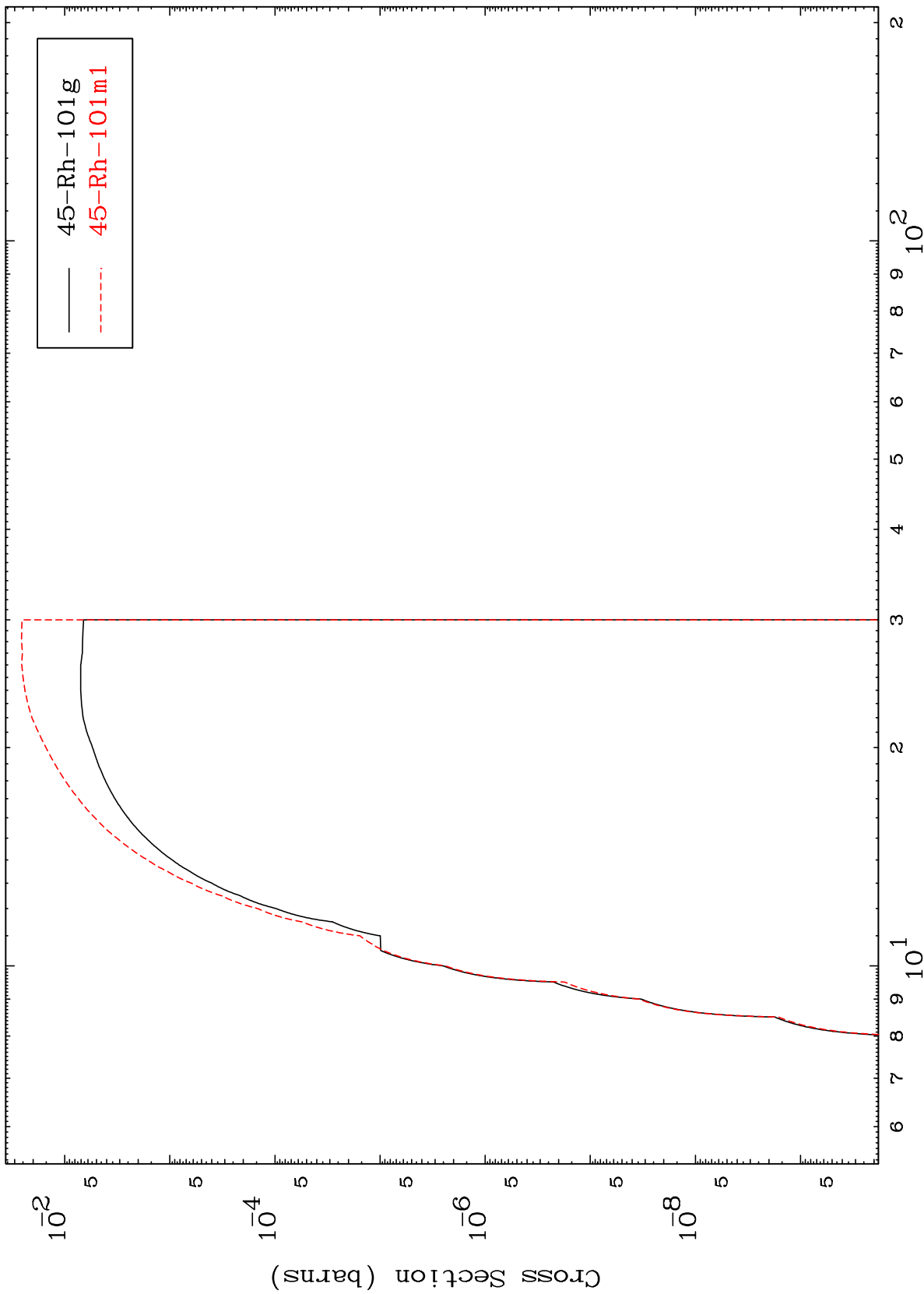
Incident Energy (MeV)

46-Pd-102

MAT 4625

46-Pd-102

(n,d)  
Radionuclide Production Cross Section



138

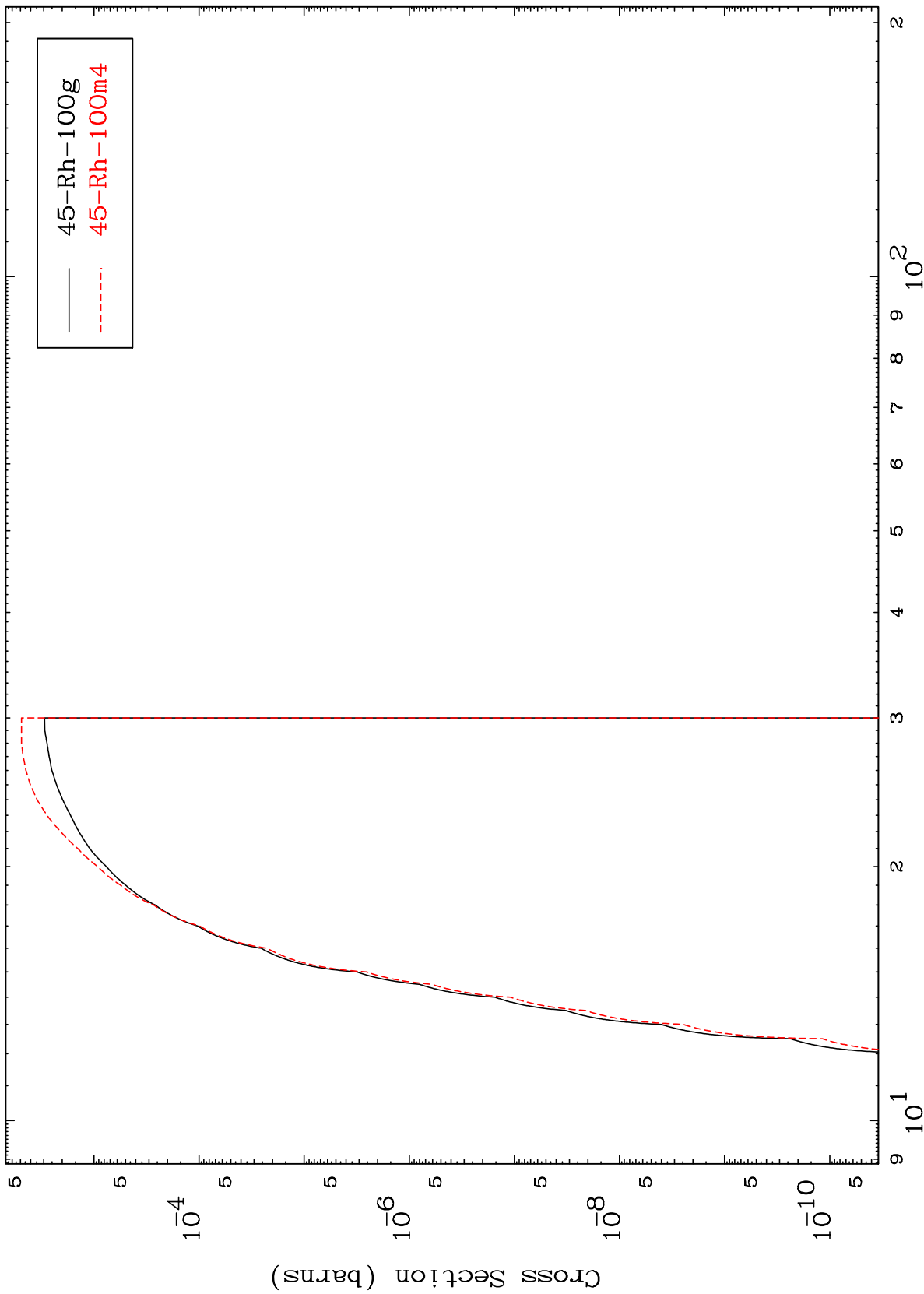
Incident Energy (MeV)

46-Pd-102

MAT 4625

46-Pd-102

(n,t)  
Radionuclide Production Cross Section



46-Pd-102

Incident Energy (MeV)

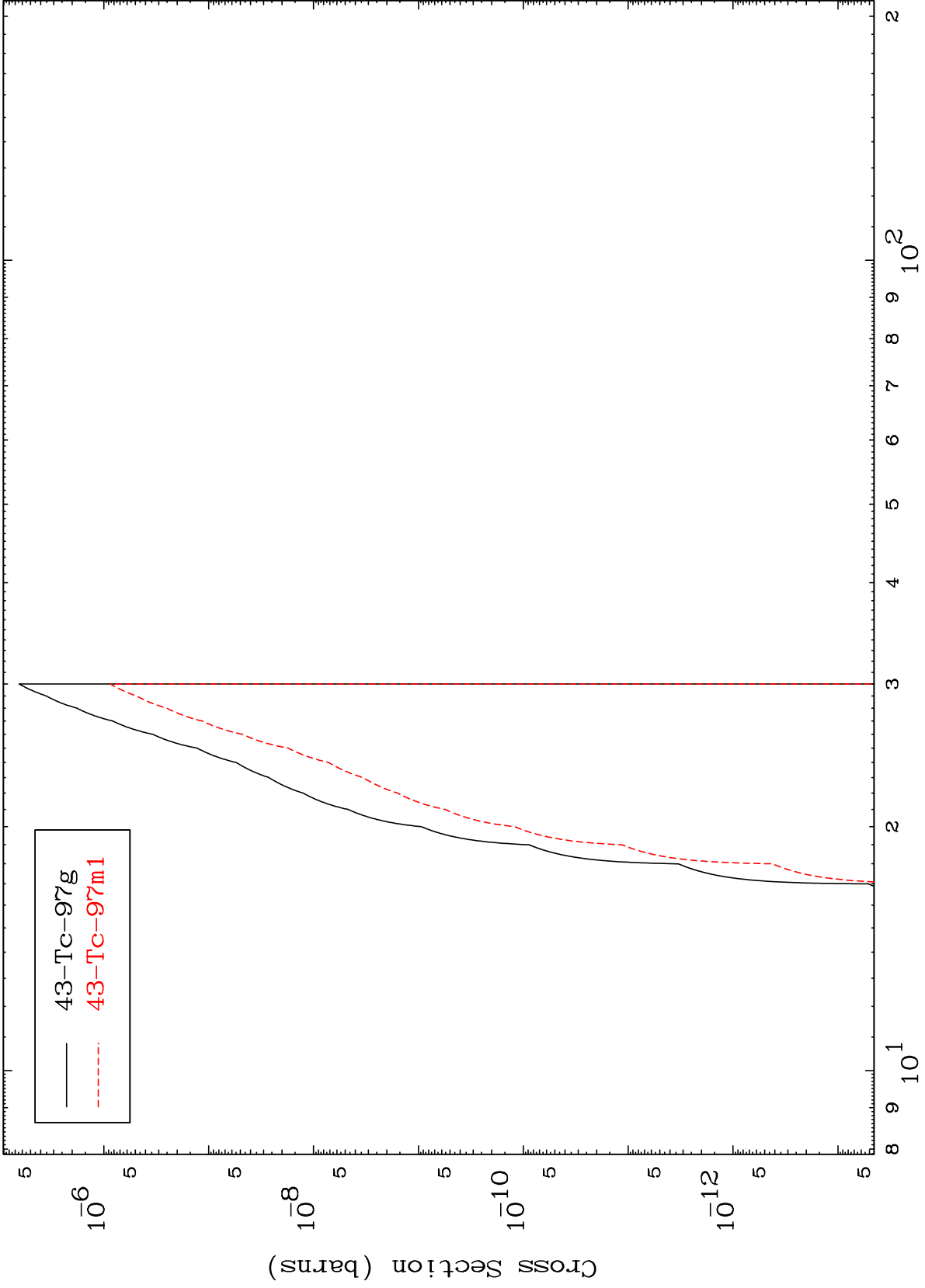
139

MAT 4625

(n,d)  $\alpha$

46-Pd-102

Radionuclide Production Cross Section



— 43-Tc-97g  
- - - 43-Tc-97m1

140

Incident Energy (MeV)

46-Pd-102