

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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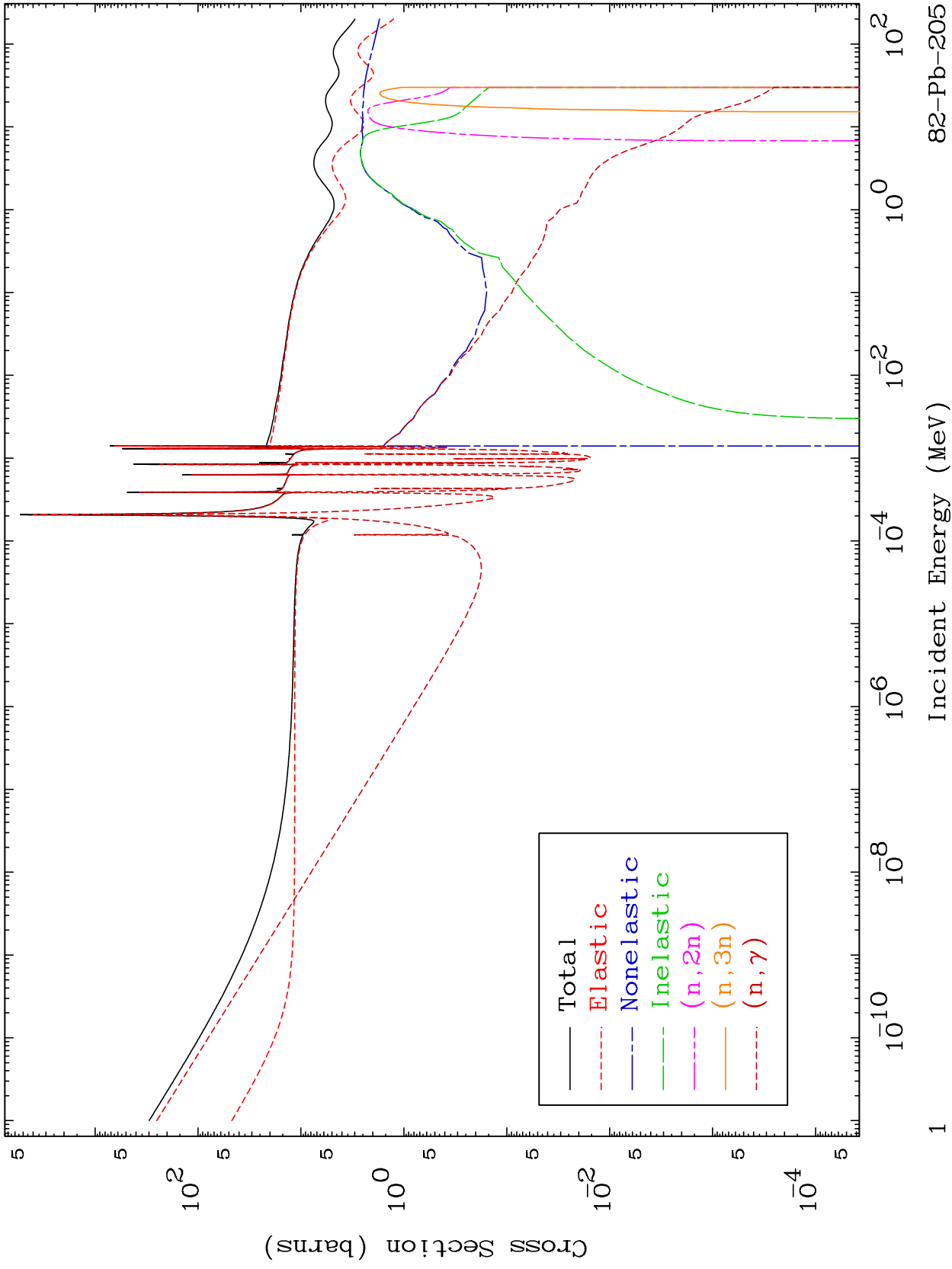
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8228

Neutron Major  
293 Kelvin Cross Sections

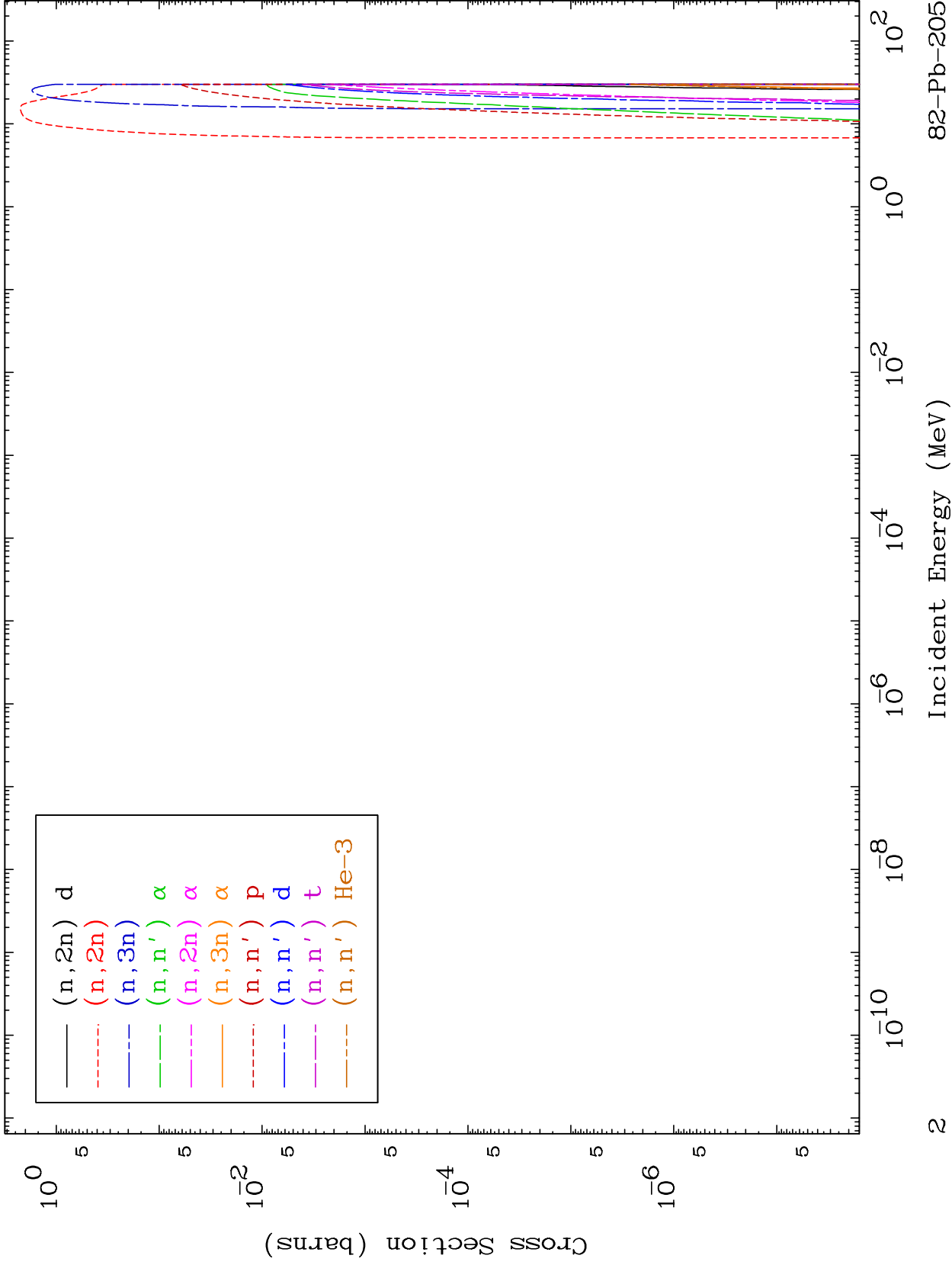
82-Pb-205



MAT 8228

Neutron Absorption  
293 Kelvin Cross Sections

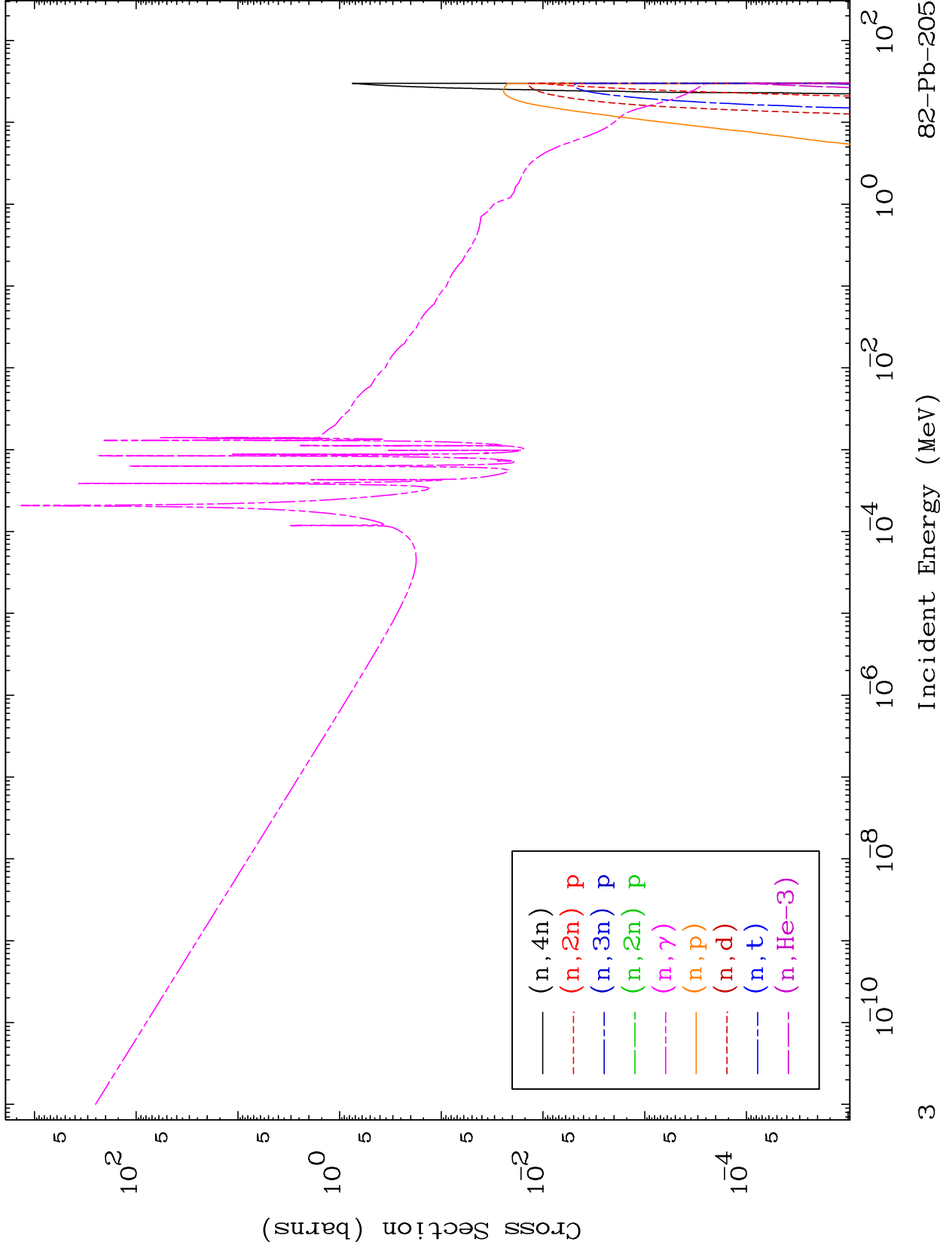
82-Pb-205



MAT 8228

Neutron Absorption  
293 Kelvin Cross Sections

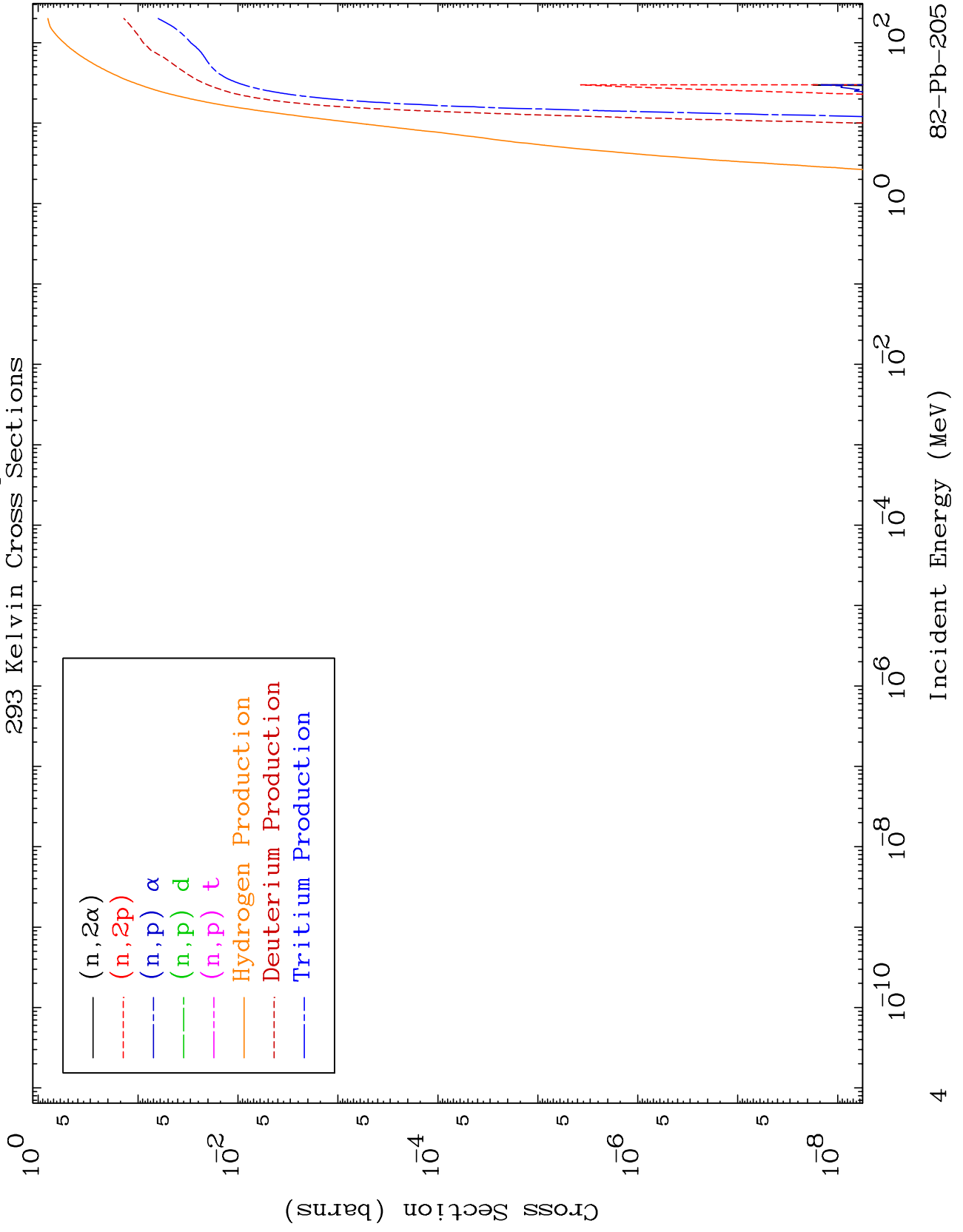
82-Pb-205



MAT 8228

Neutron Absorption  
293 Kelvin Cross Sections

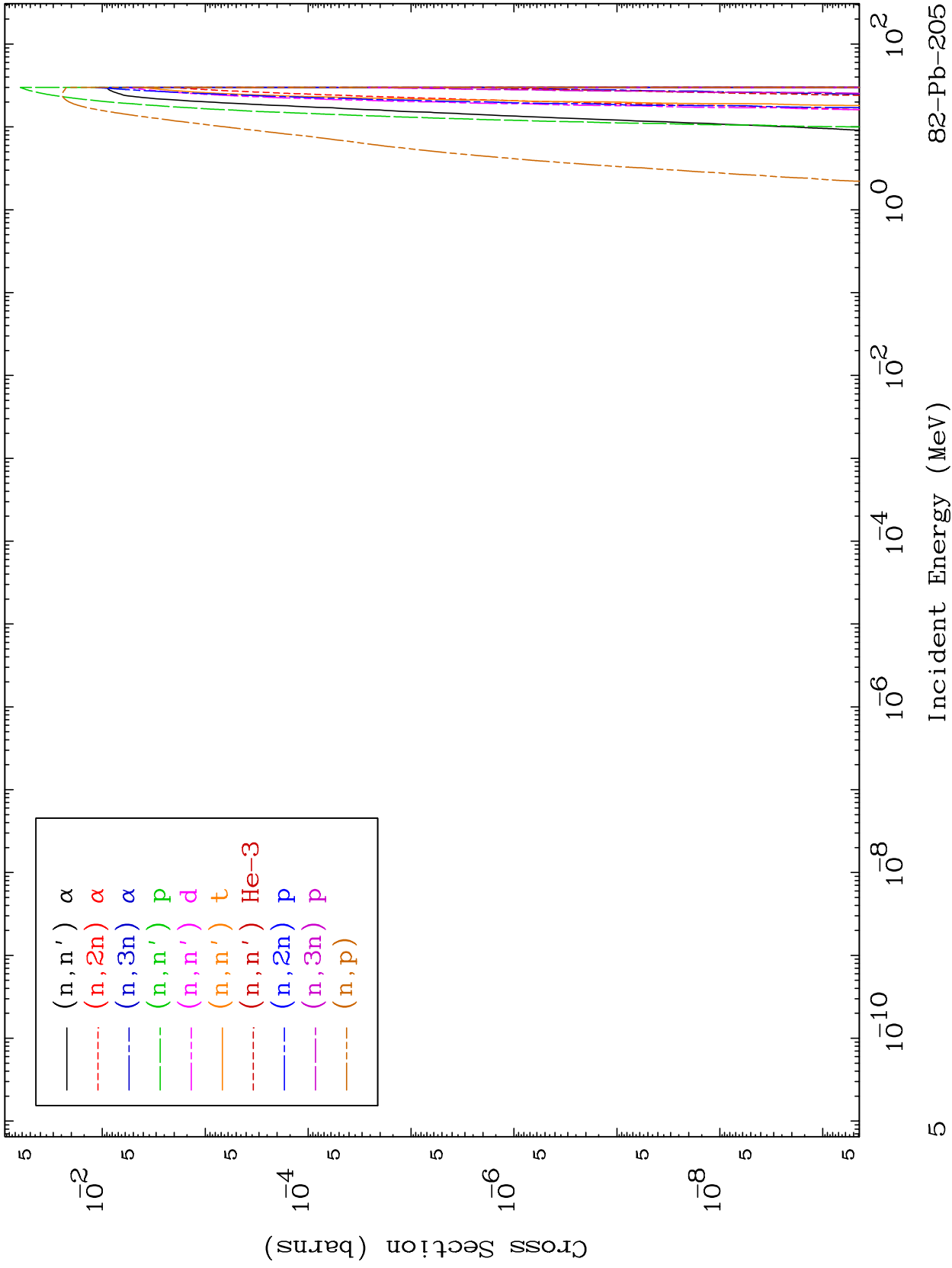
82-Pb-205



MAT 8228

Charged Particle  
293 Kelvin Cross Sections

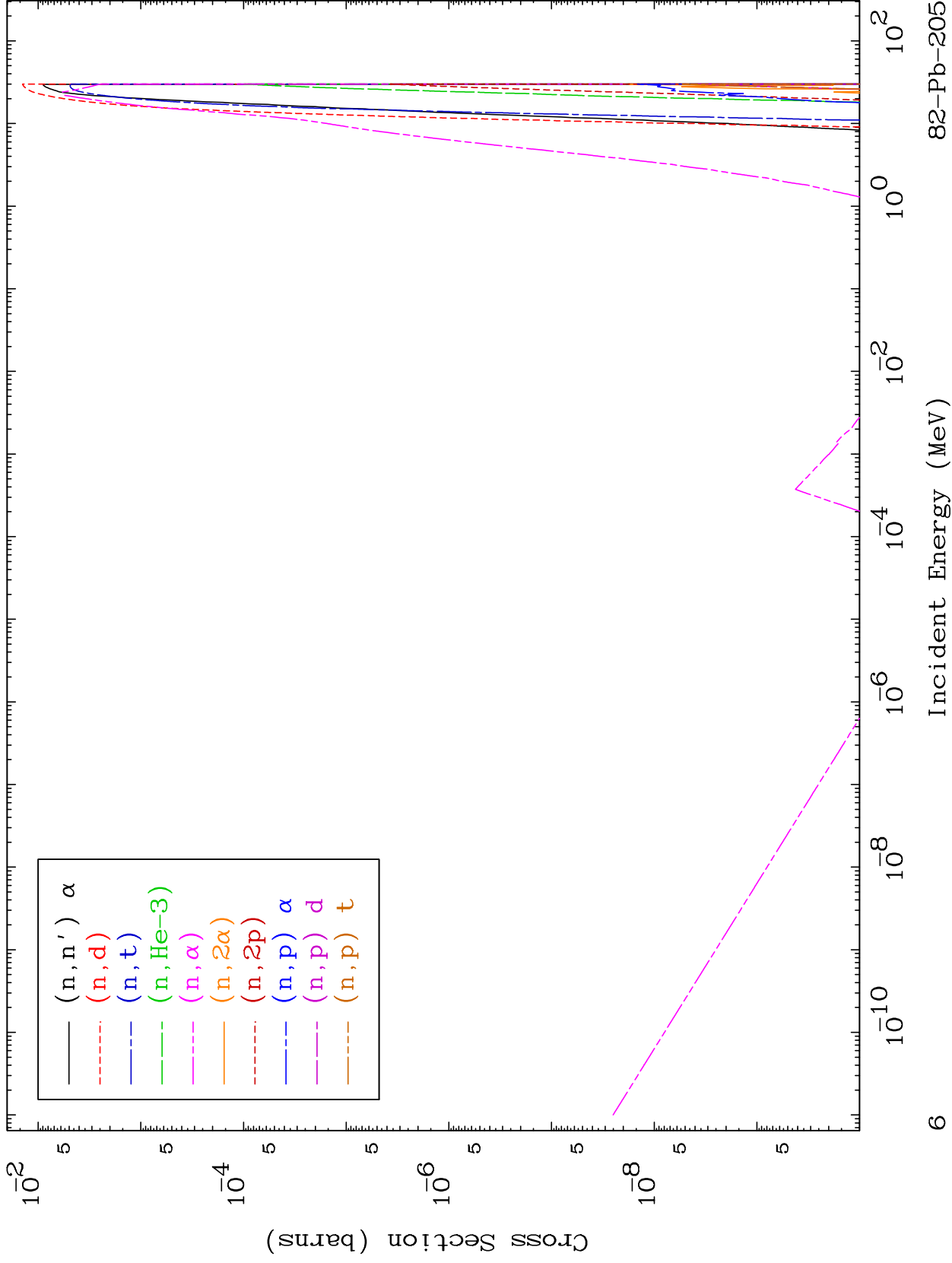
82-Pb-205



MAT 8228

Charged Particle  
293 Kelvin Cross Sections

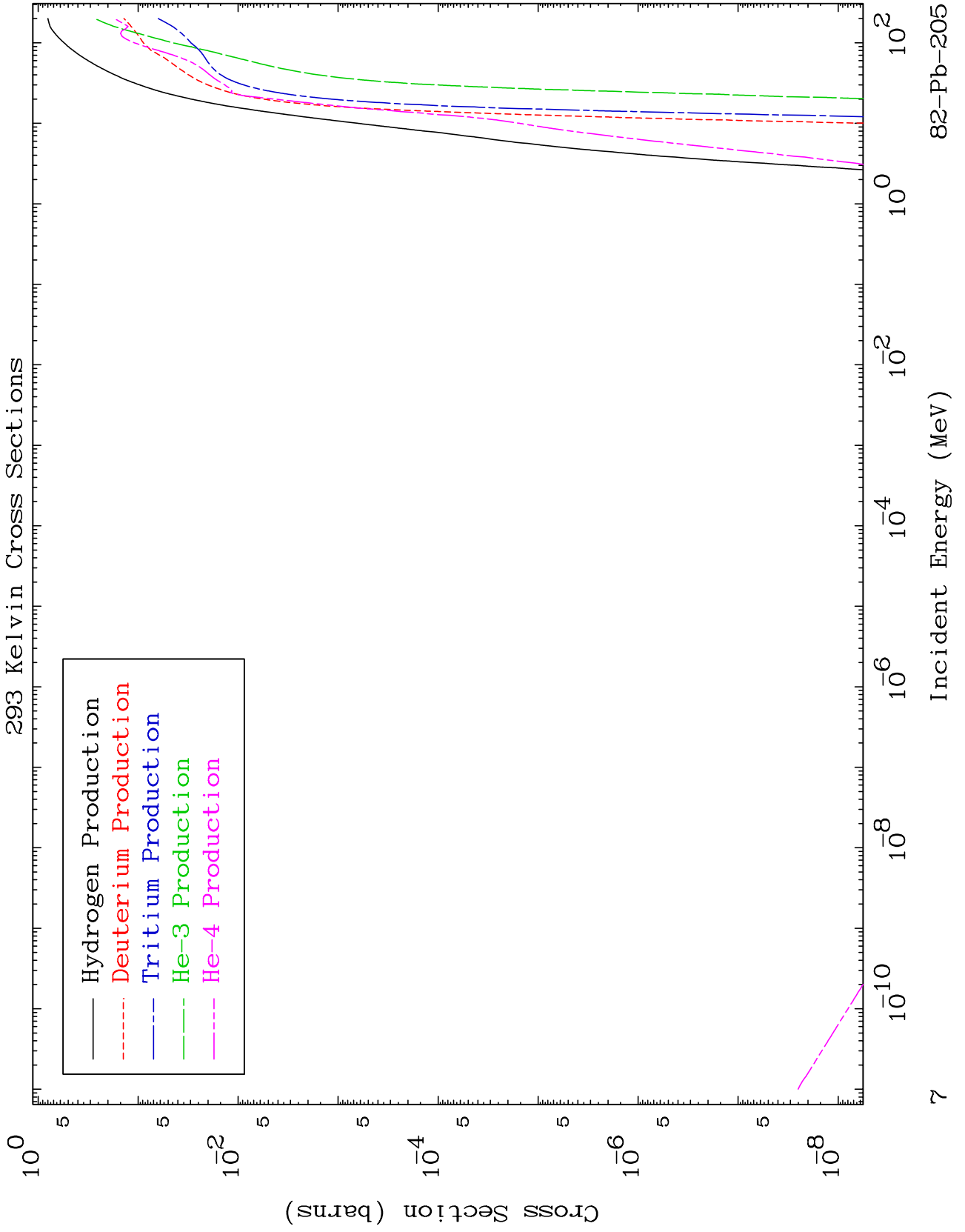
82-Pb-205



MAT 8228

Particle Production  
293 Kelvin Cross Sections

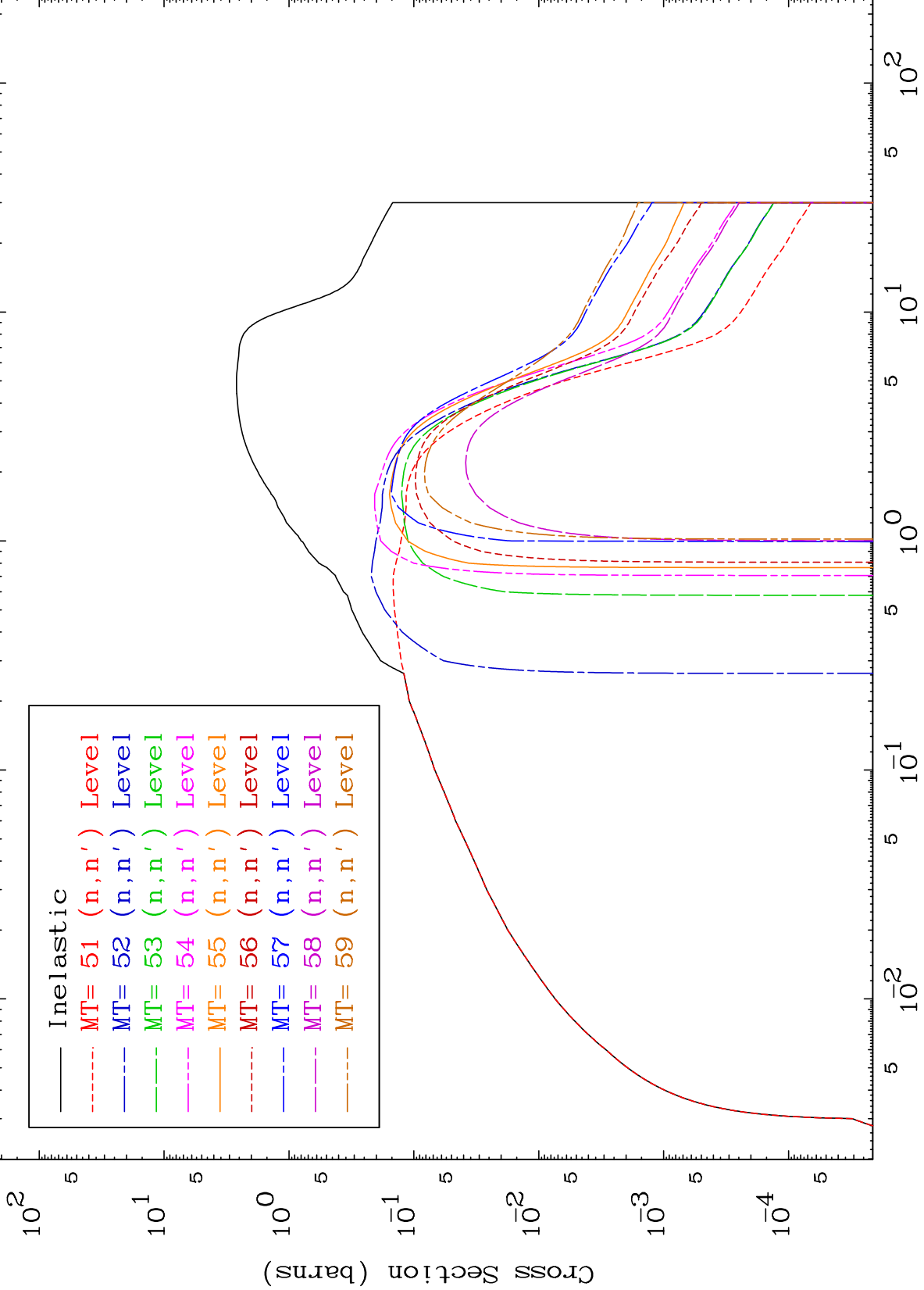
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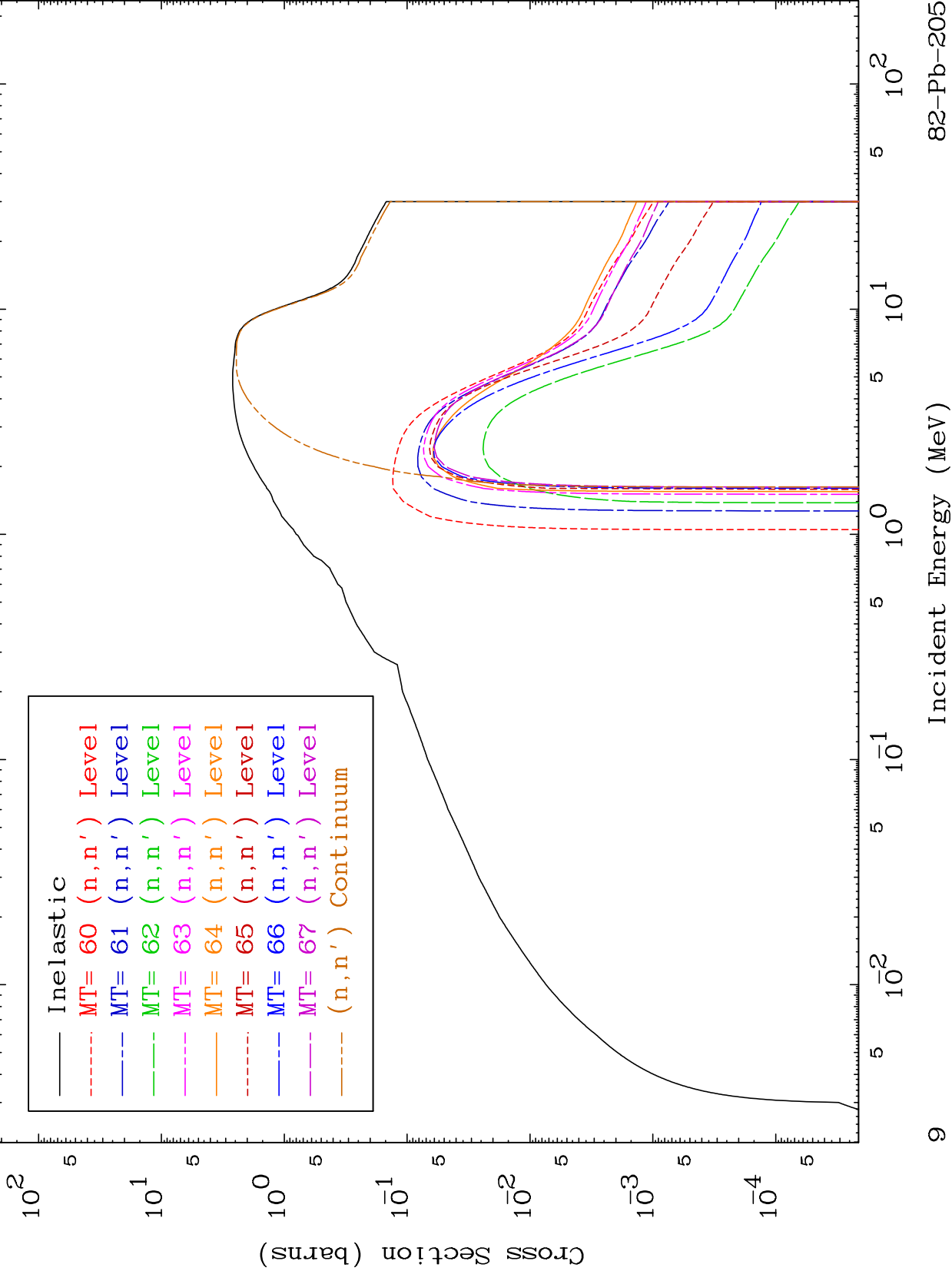


MAT 8228

(n,n') Levels  
293 Kelvin Cross Sections

82-Pb-205

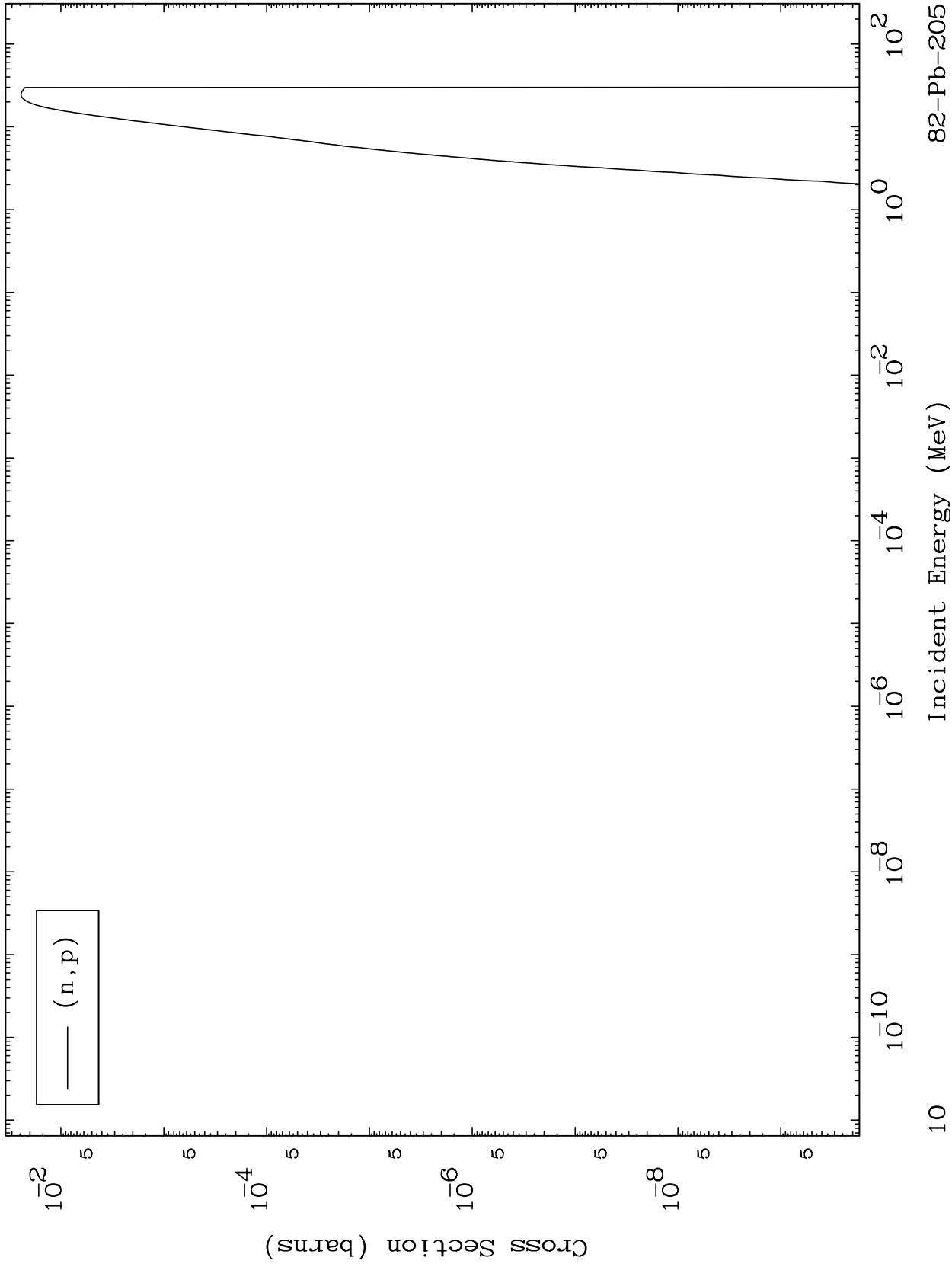




MAT 8228

(n,p) Levels  
293 Kelvin Cross Sections

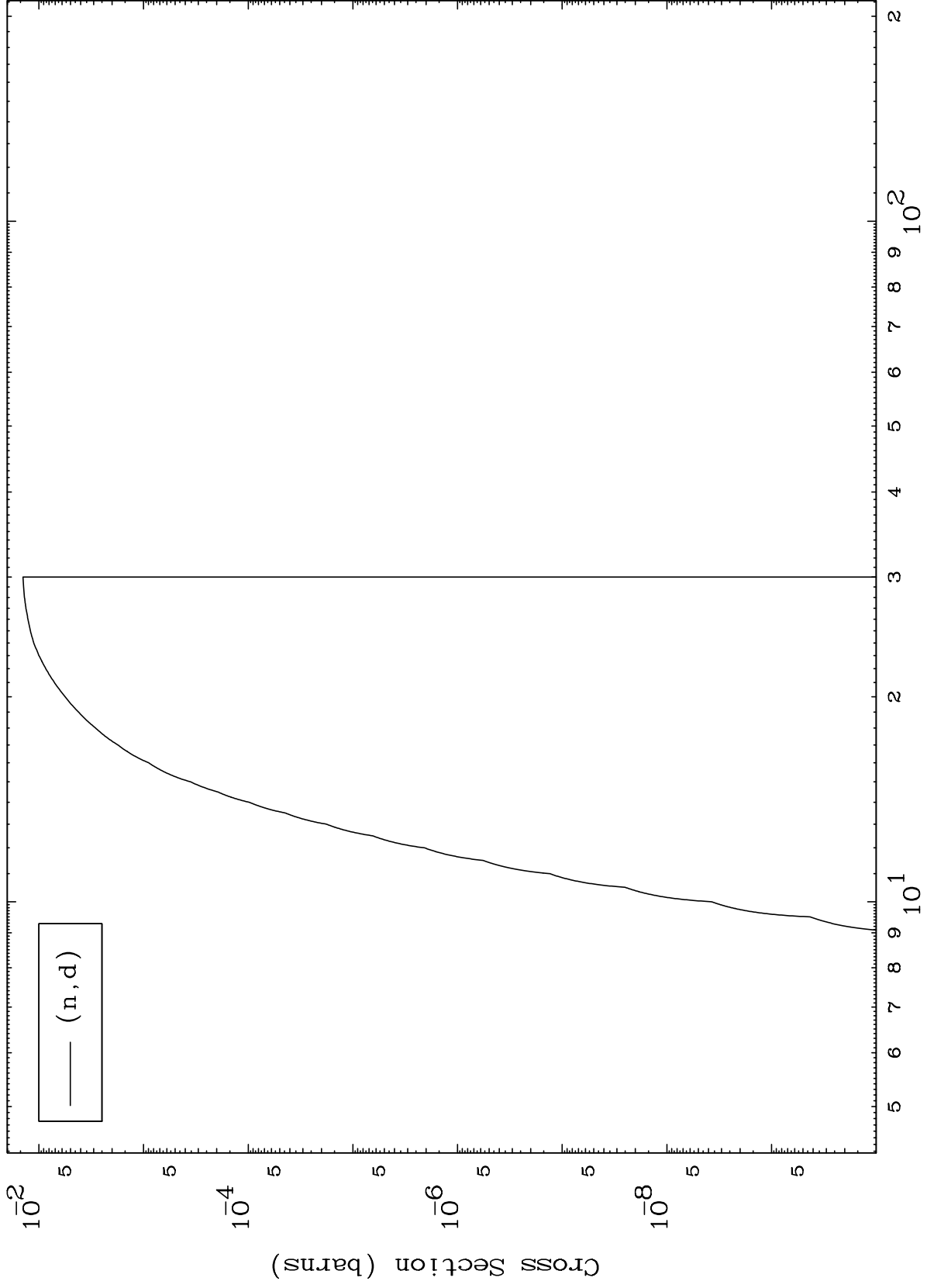
82-Pb-205



MAT 8228

(n,d) Levels  
293 Kelvin Cross Sections

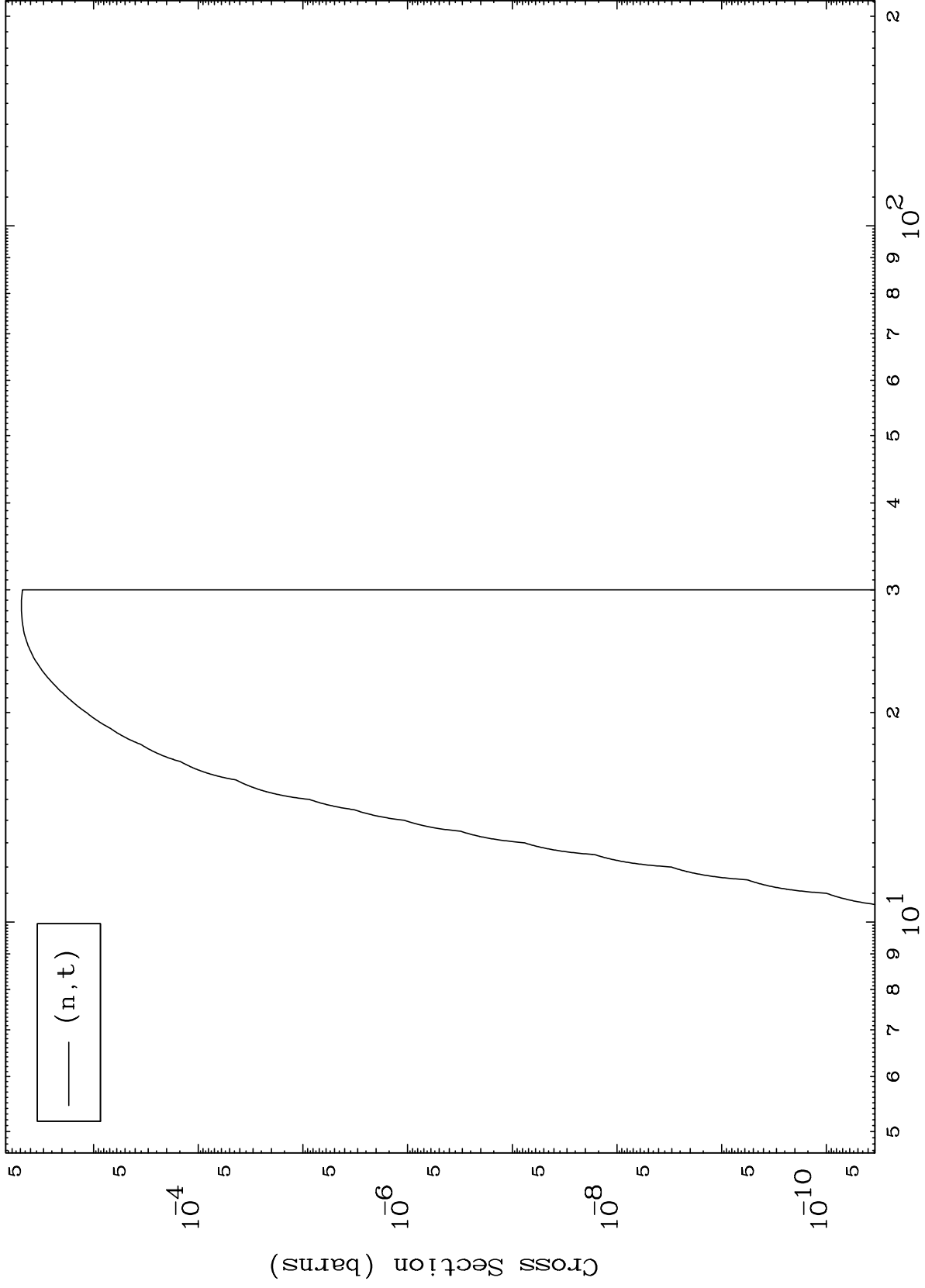
82-Pb-205



MAT 8228

(n,t) Levels  
293 Kelvin Cross Sections

82-Pb-205



12

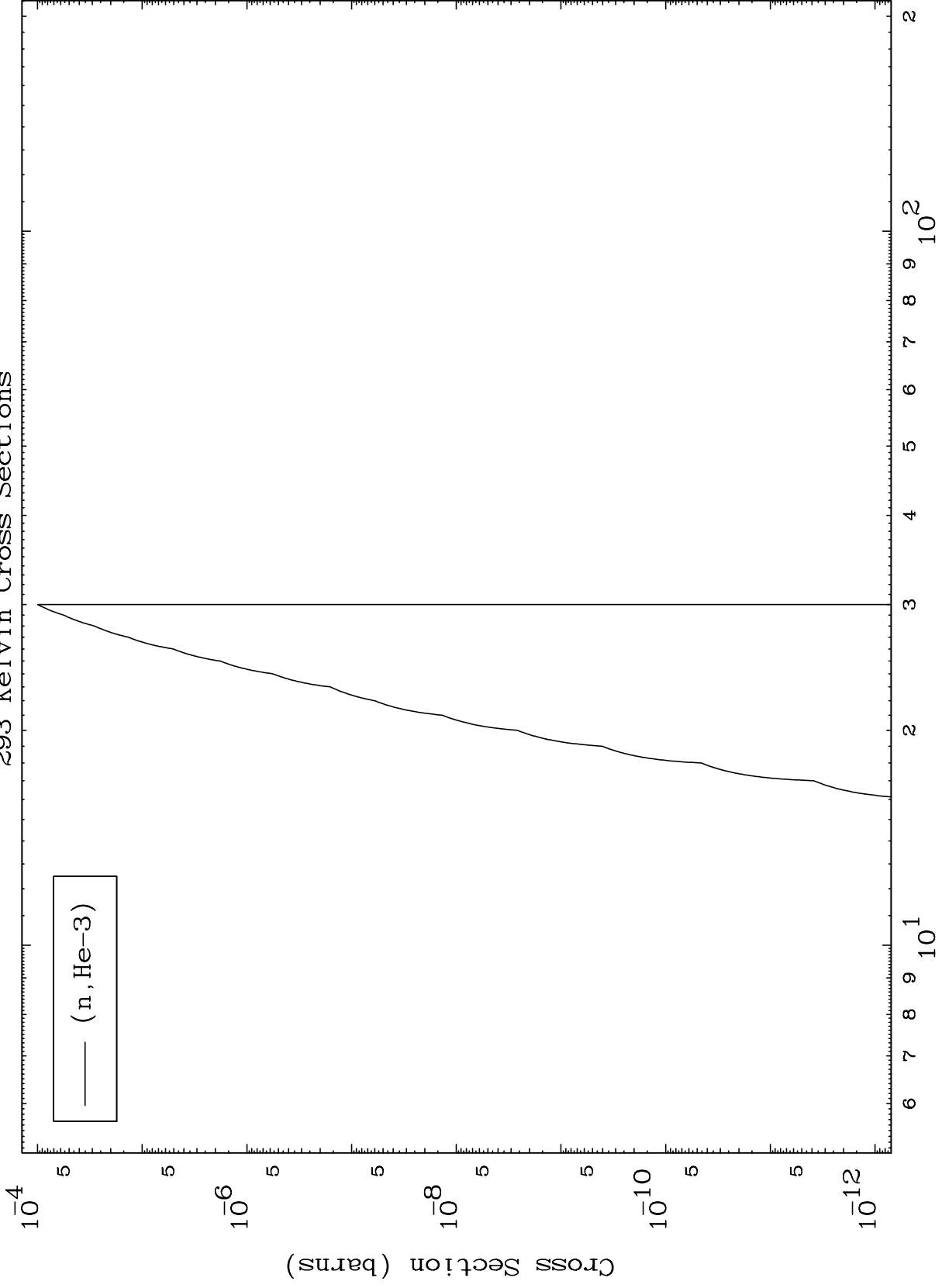
Incident Energy (MeV)

82-Pb-205

MAT 8228

(n,He3) Levels  
293 Kelvin Cross Sections

82-Pb-205



13

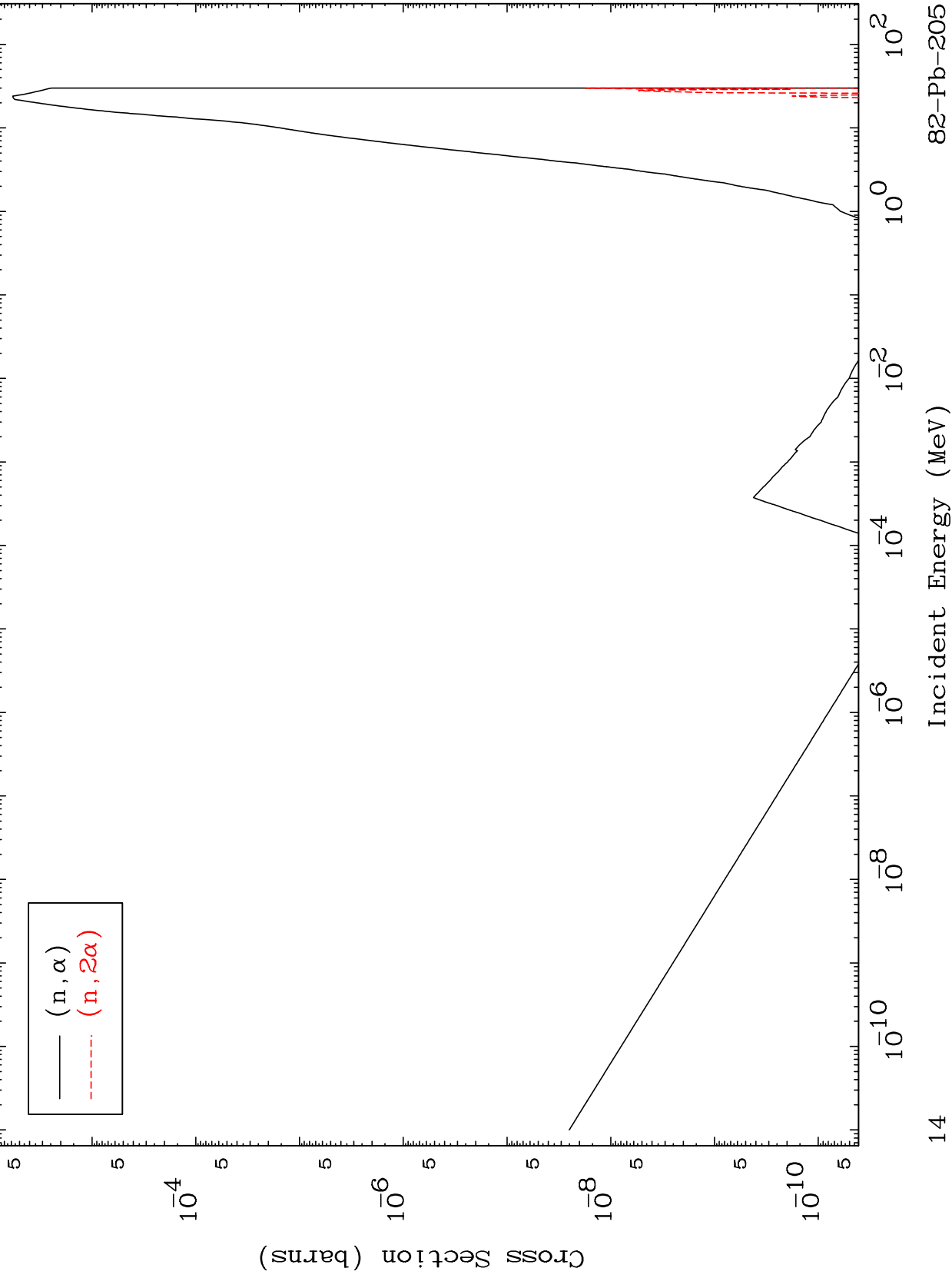
Incident Energy (MeV)

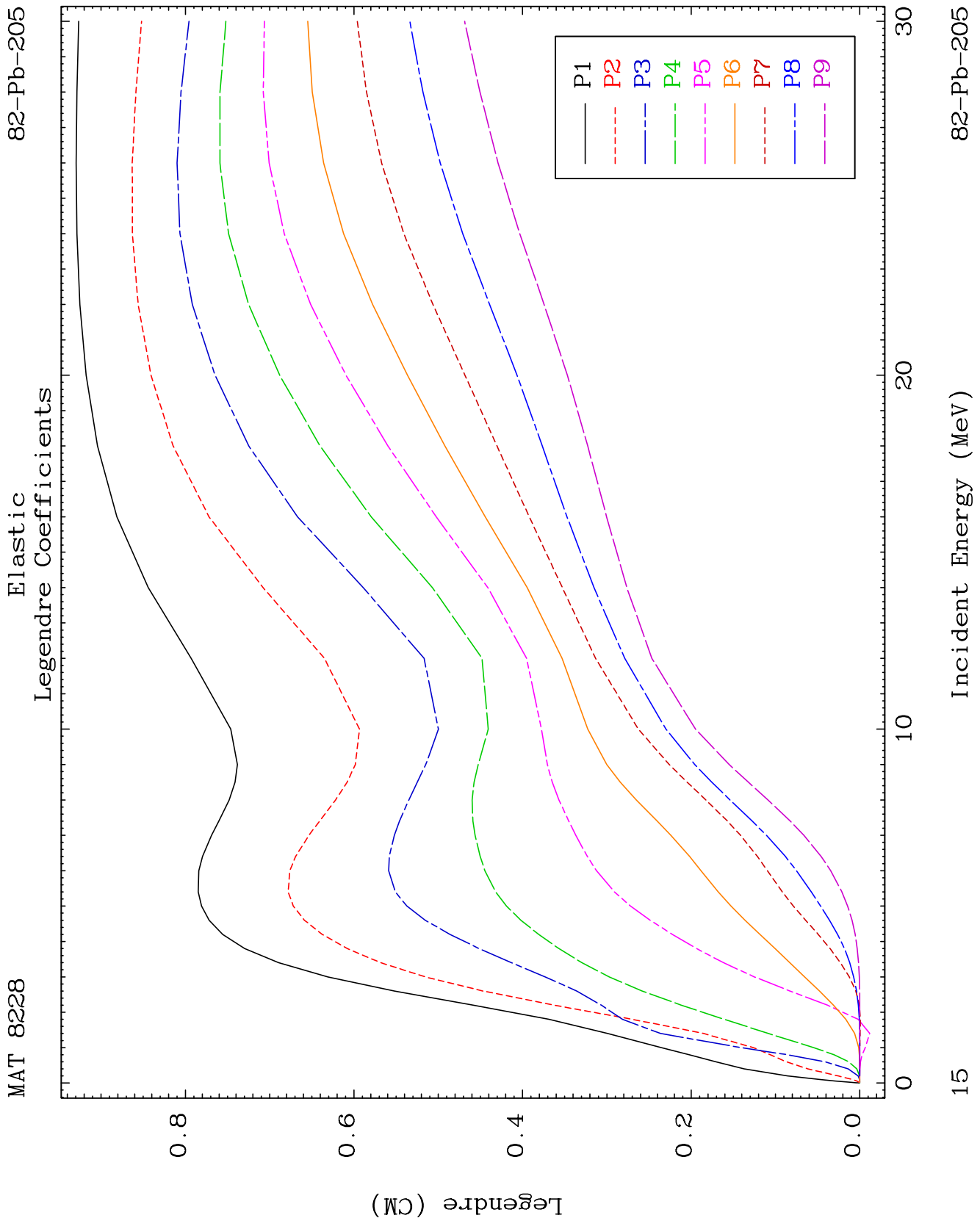
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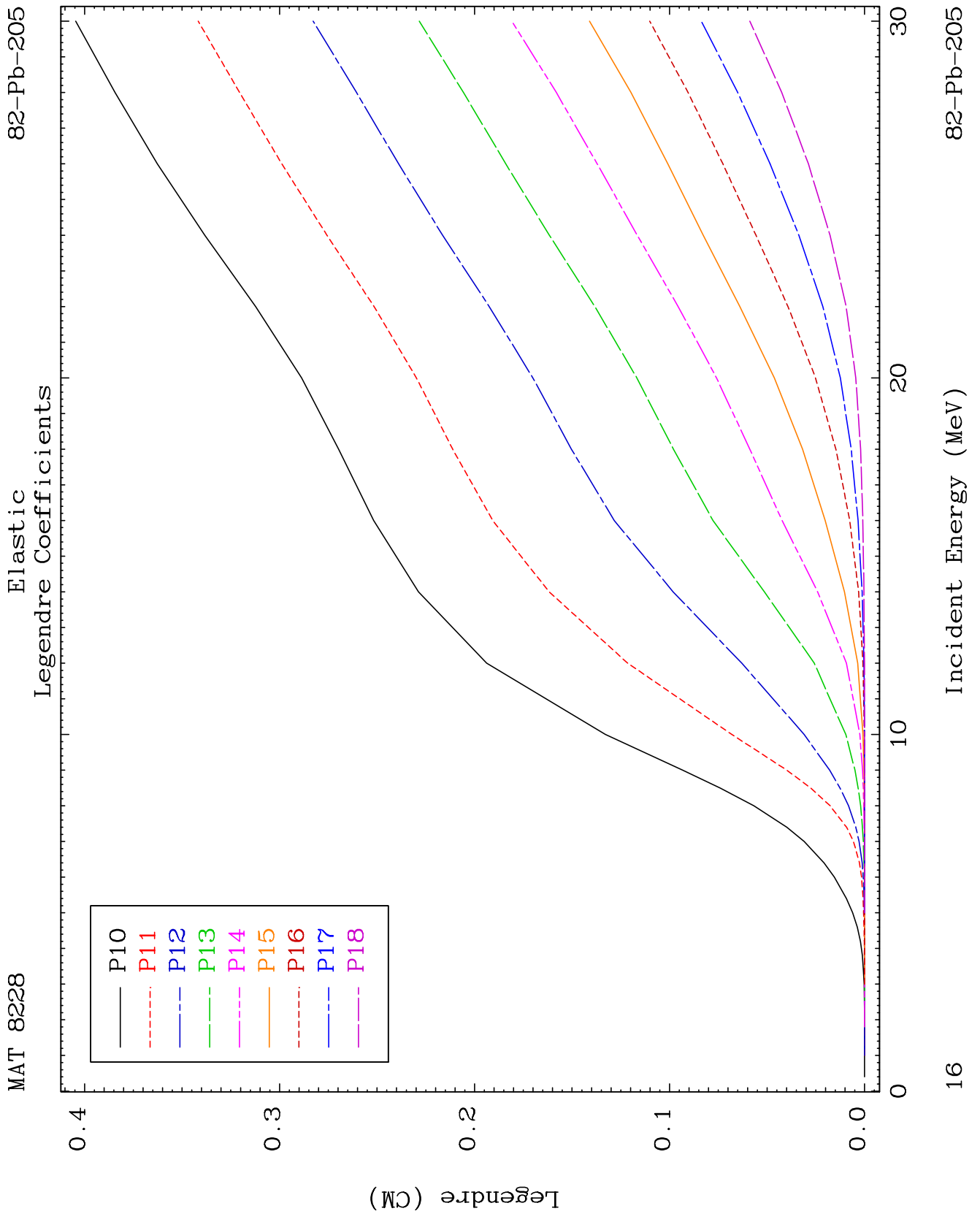
MAT 8228

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

82-Pb-205



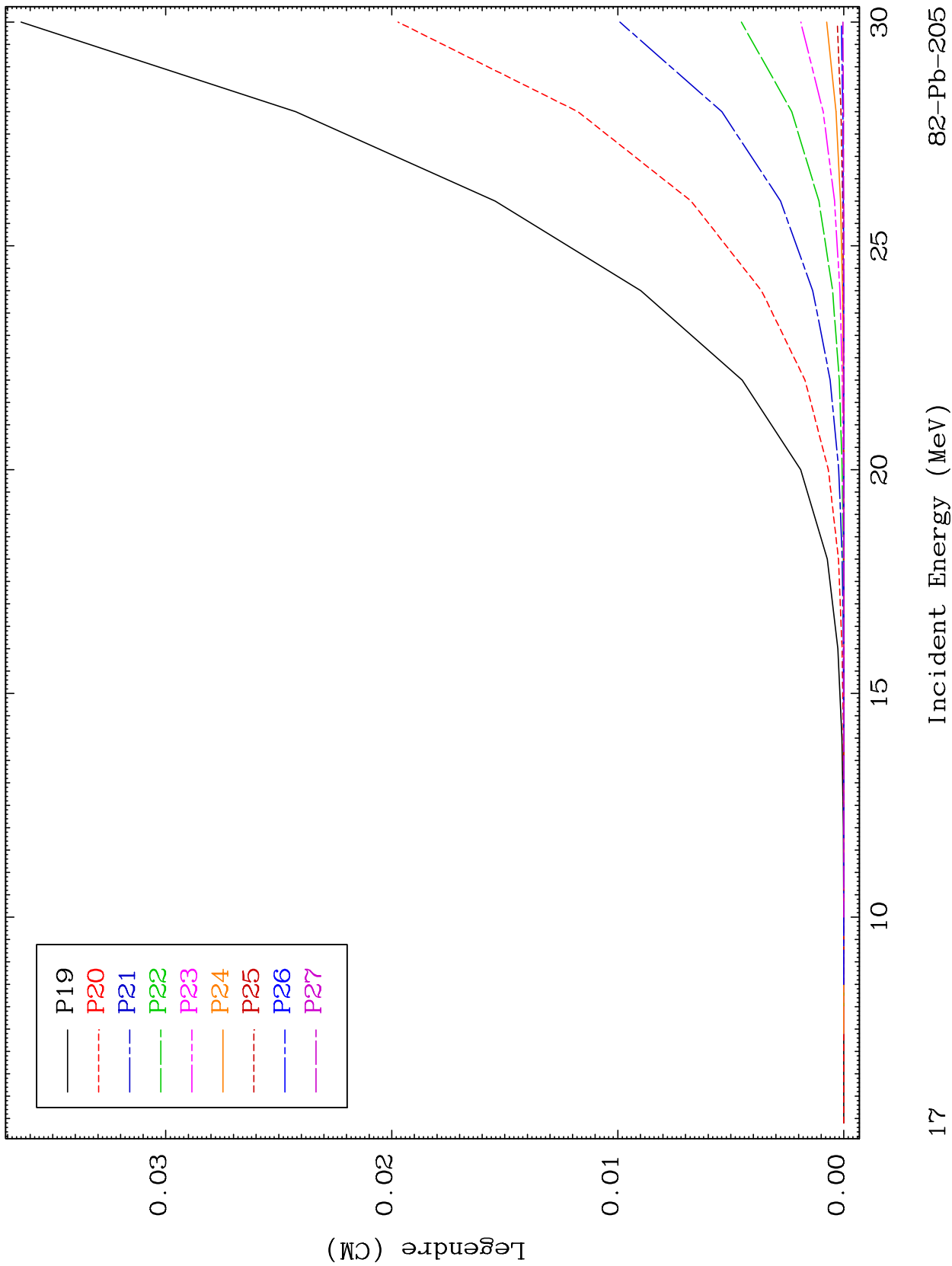




MAT 8228

### Elastic Legendre Coefficients

82-Pb-205



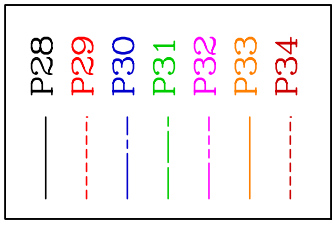
17

82-Pb-205

MAT 8228

Elastic Legendre Coefficients

82-Pb-205



$\times 10^{-5}$

1.2

1.0

0.8

0.6

0.4

0.2

0.0

Legendre (CM)

15

20

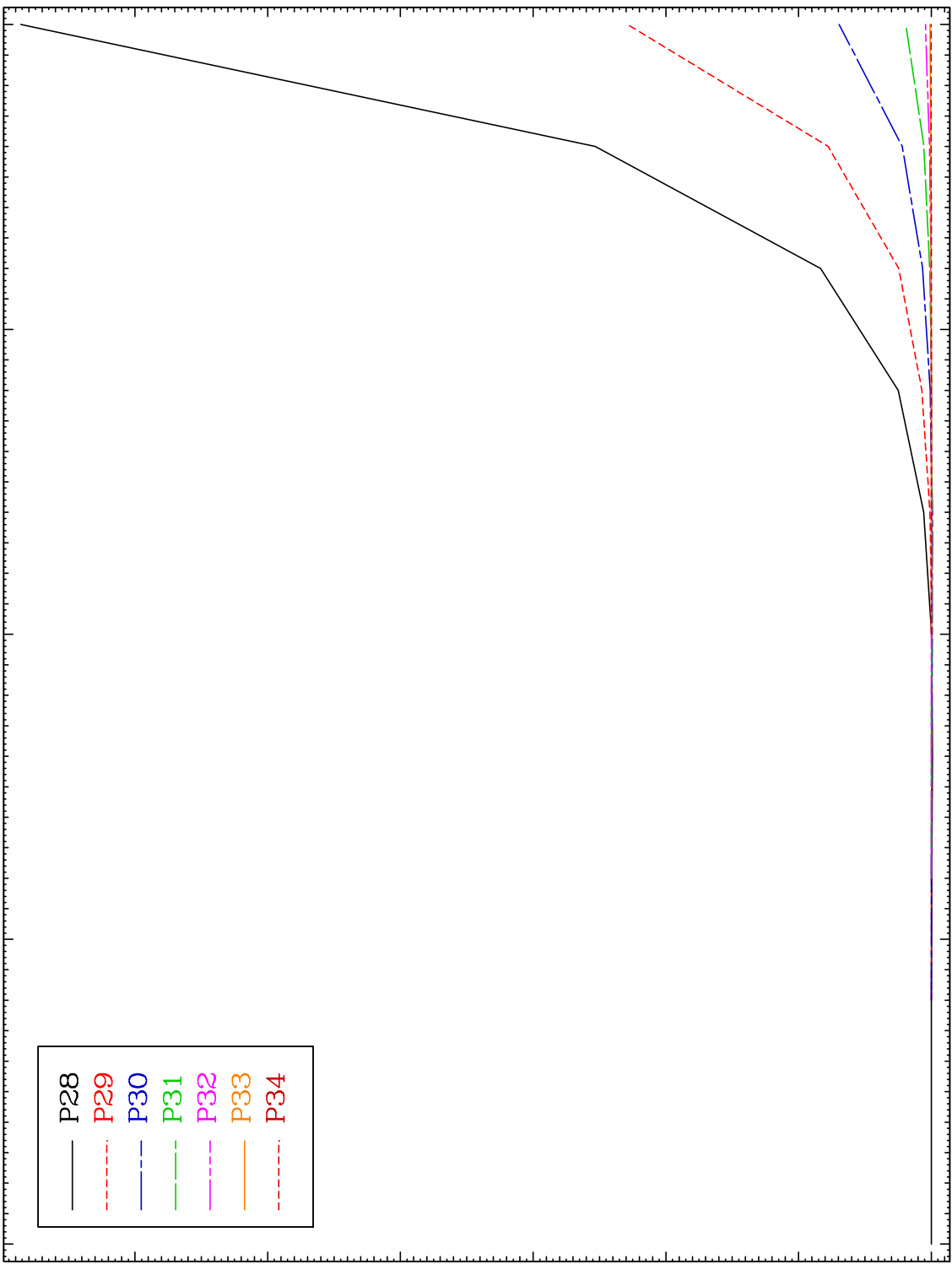
25

30

18

Incident Energy (MeV)

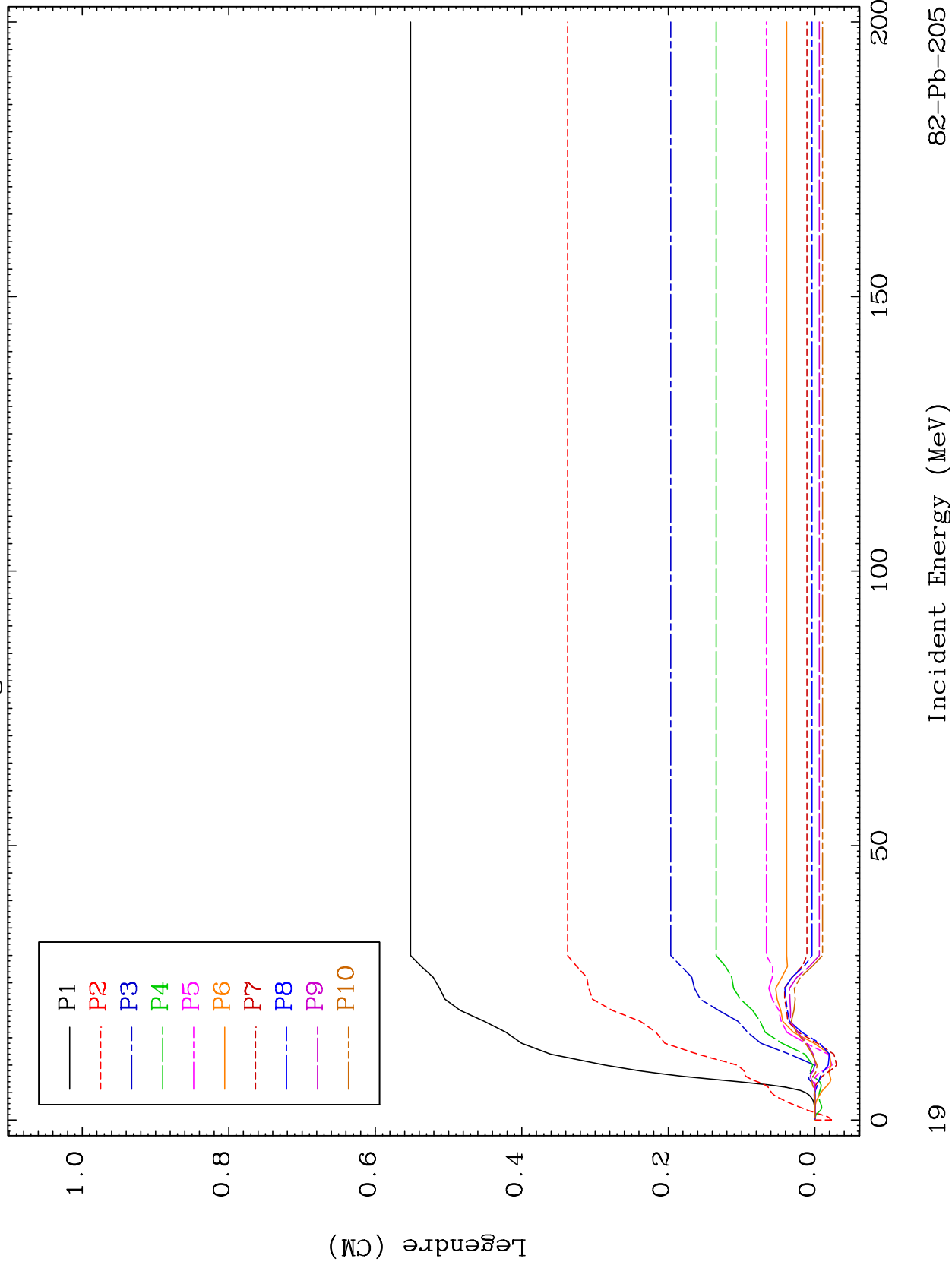
82-Pb-205



MAT 8228

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

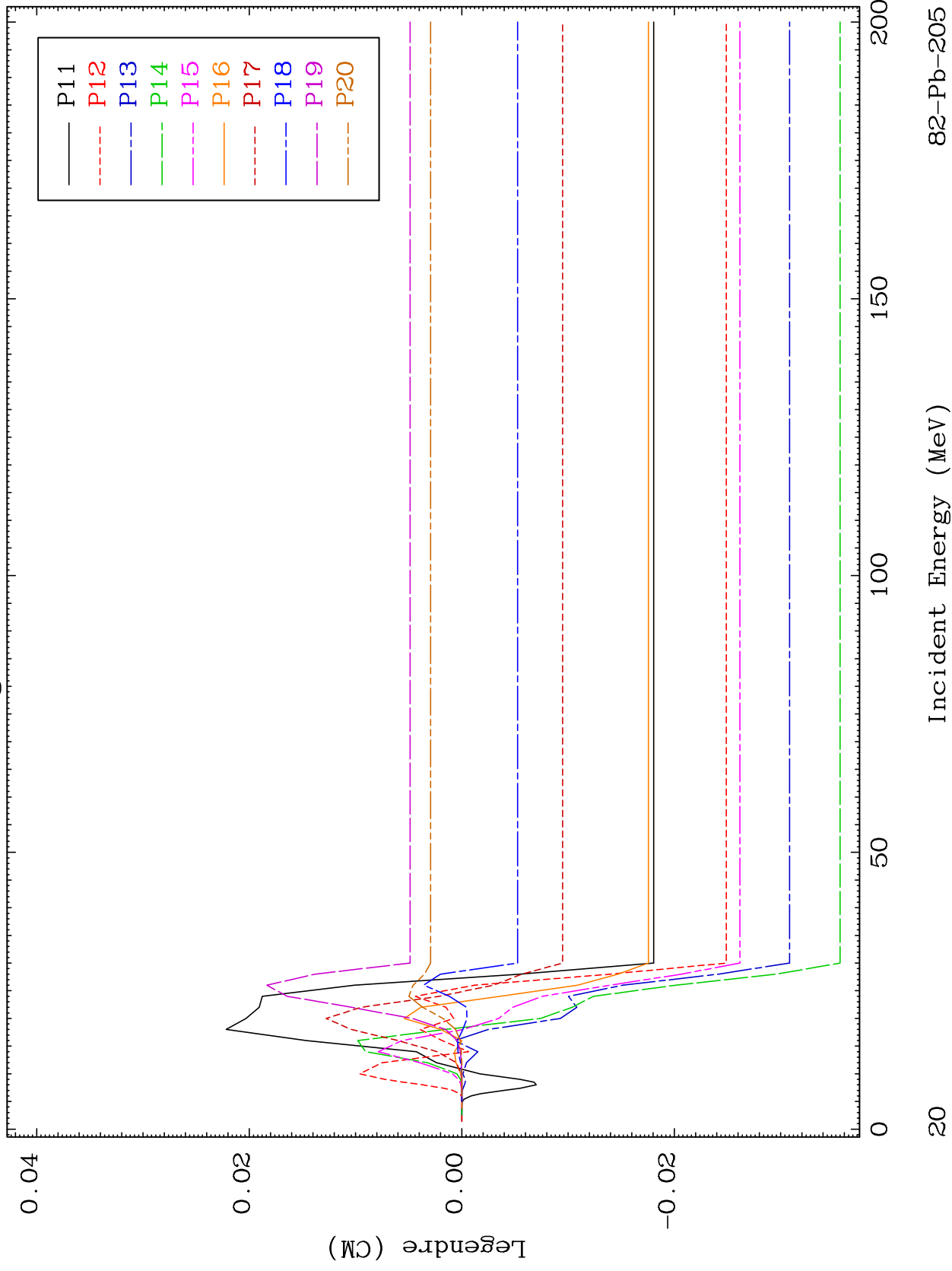
82-Pb-205



MAT 8228

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

82-Pb-205



82-Pb-205

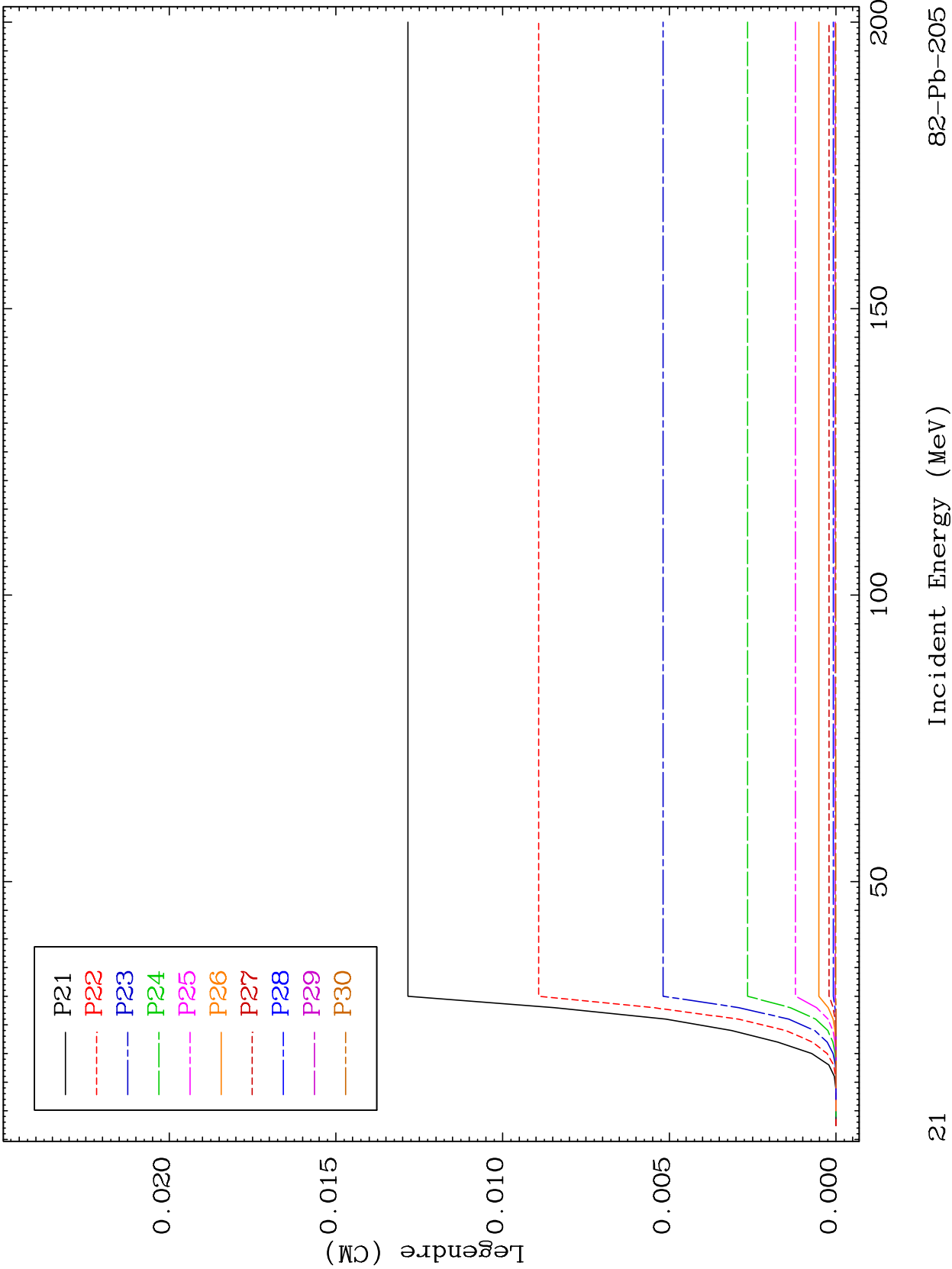
Incident Energy (MeV)

20

MAT 8228

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

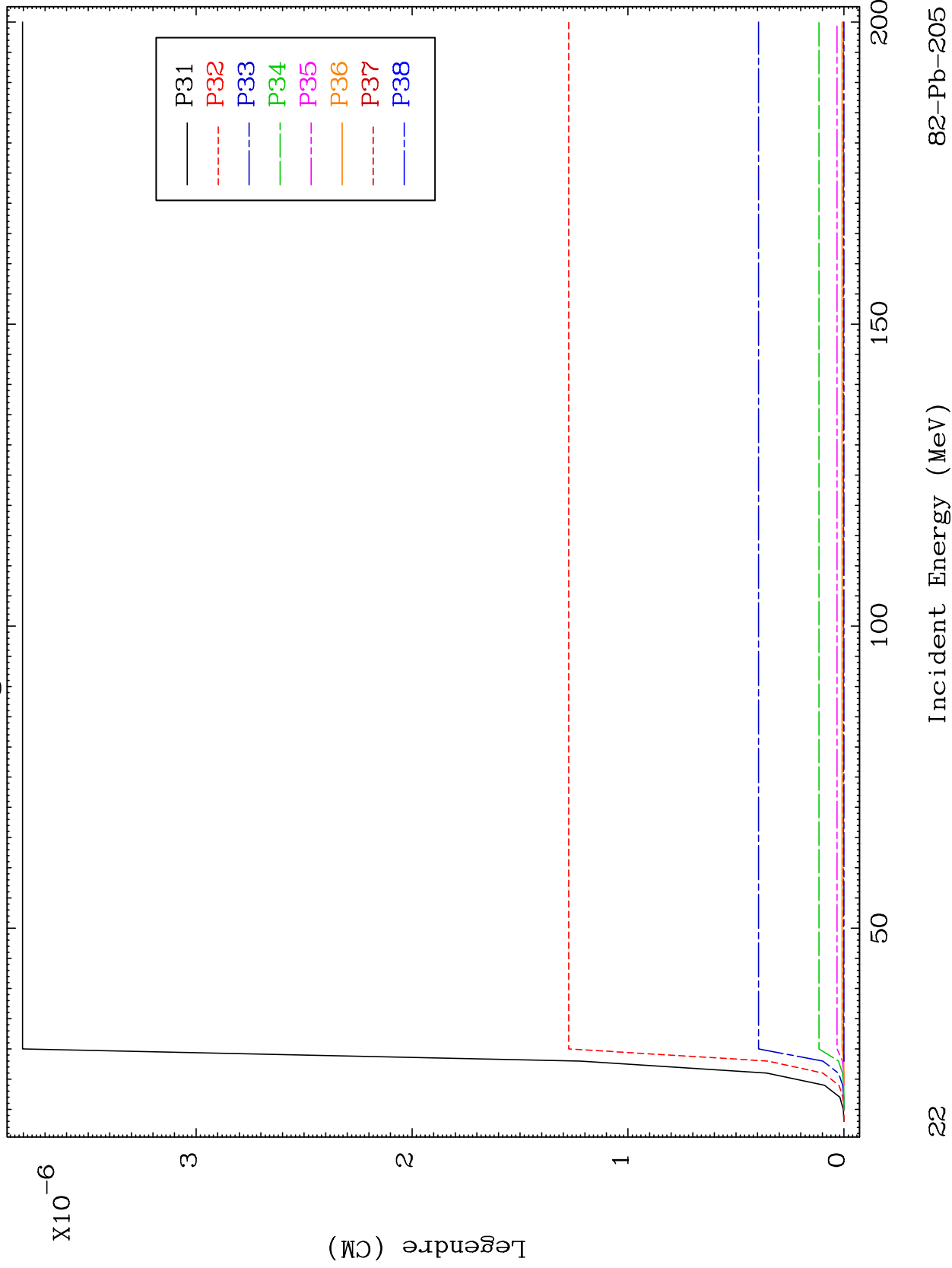
82-Pb-205



MAT 8228

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

82-Pb-205



22

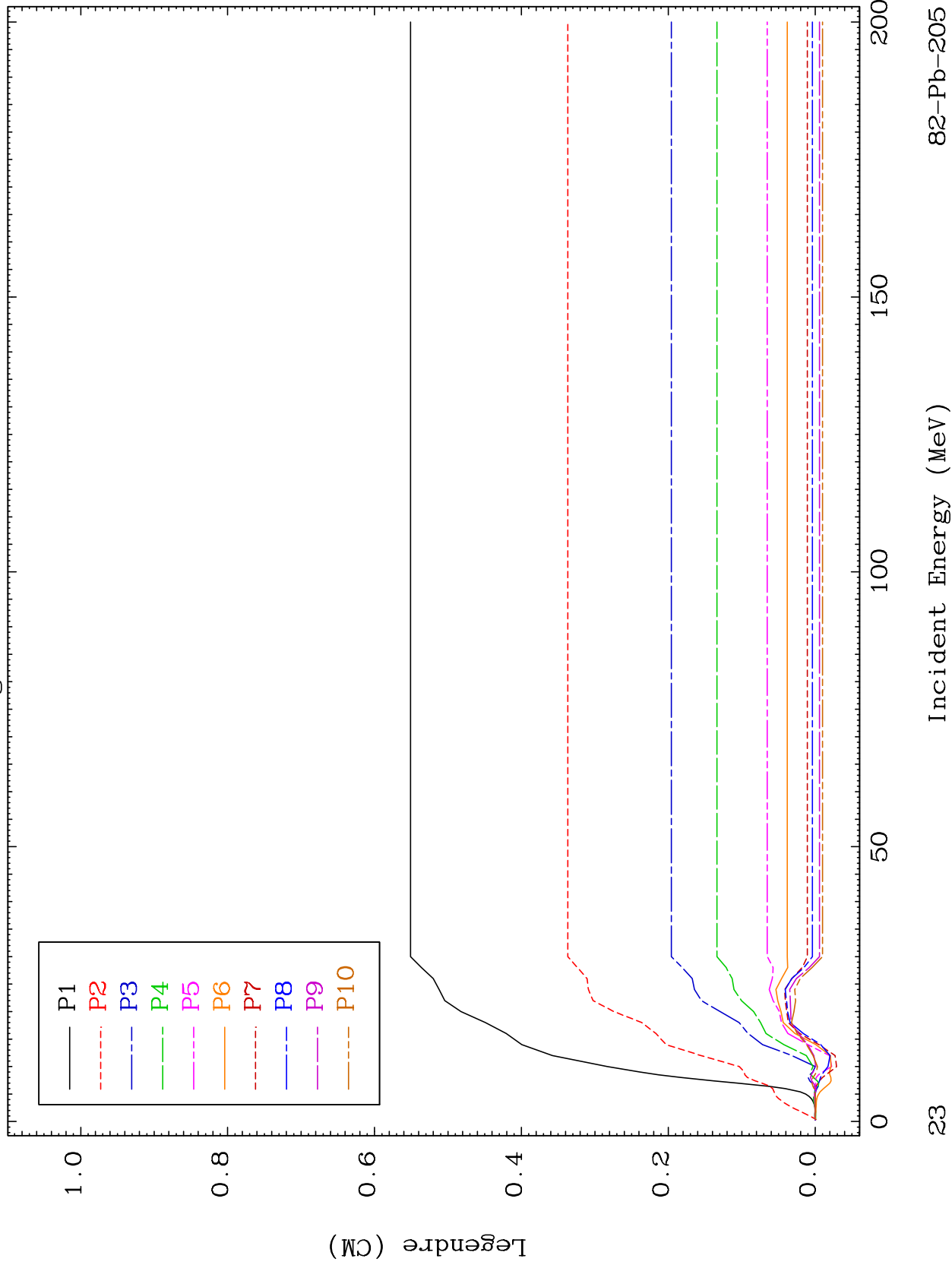
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

82-Pb-205

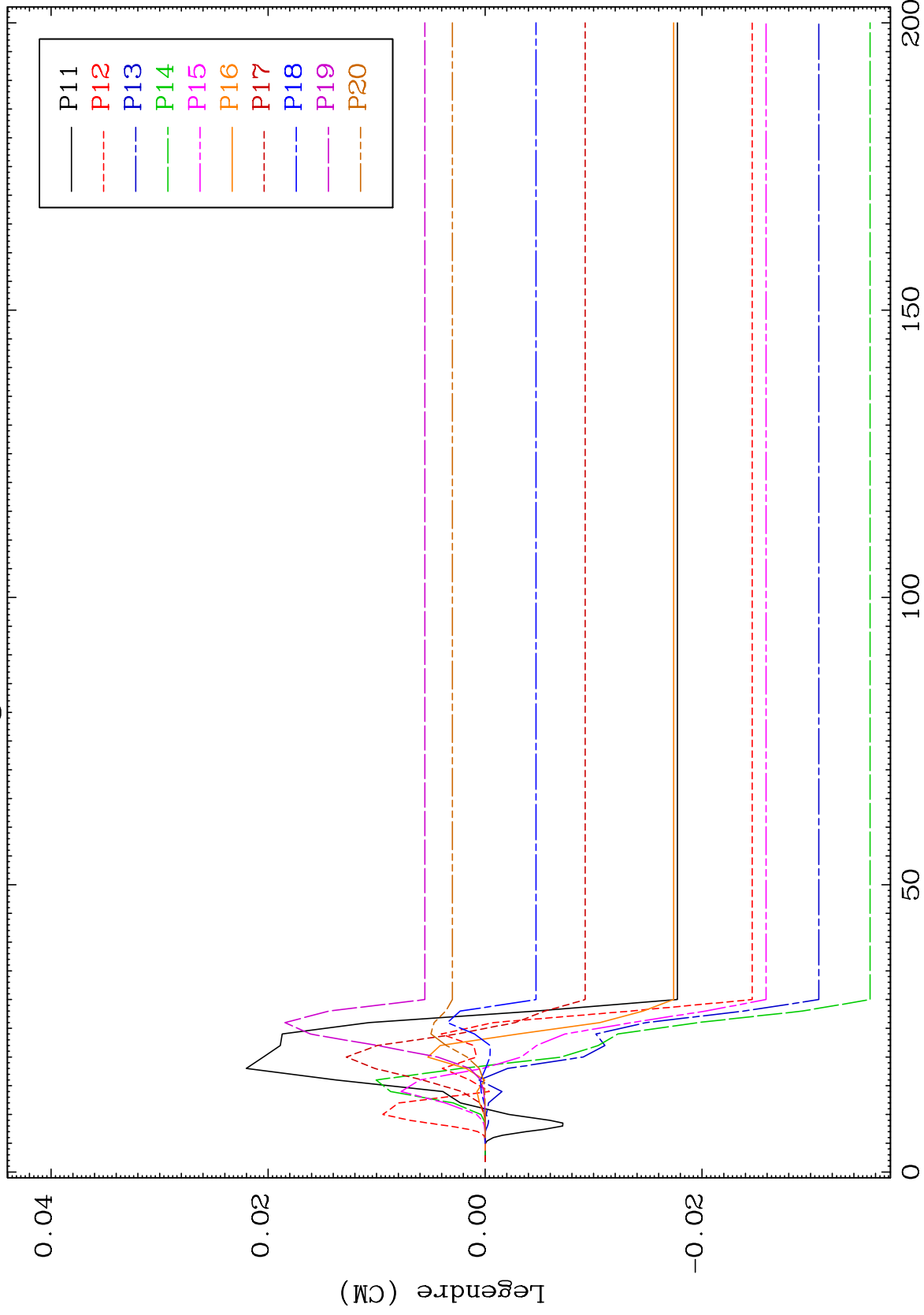


23

MAT 8228

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

82-Pb-205



24

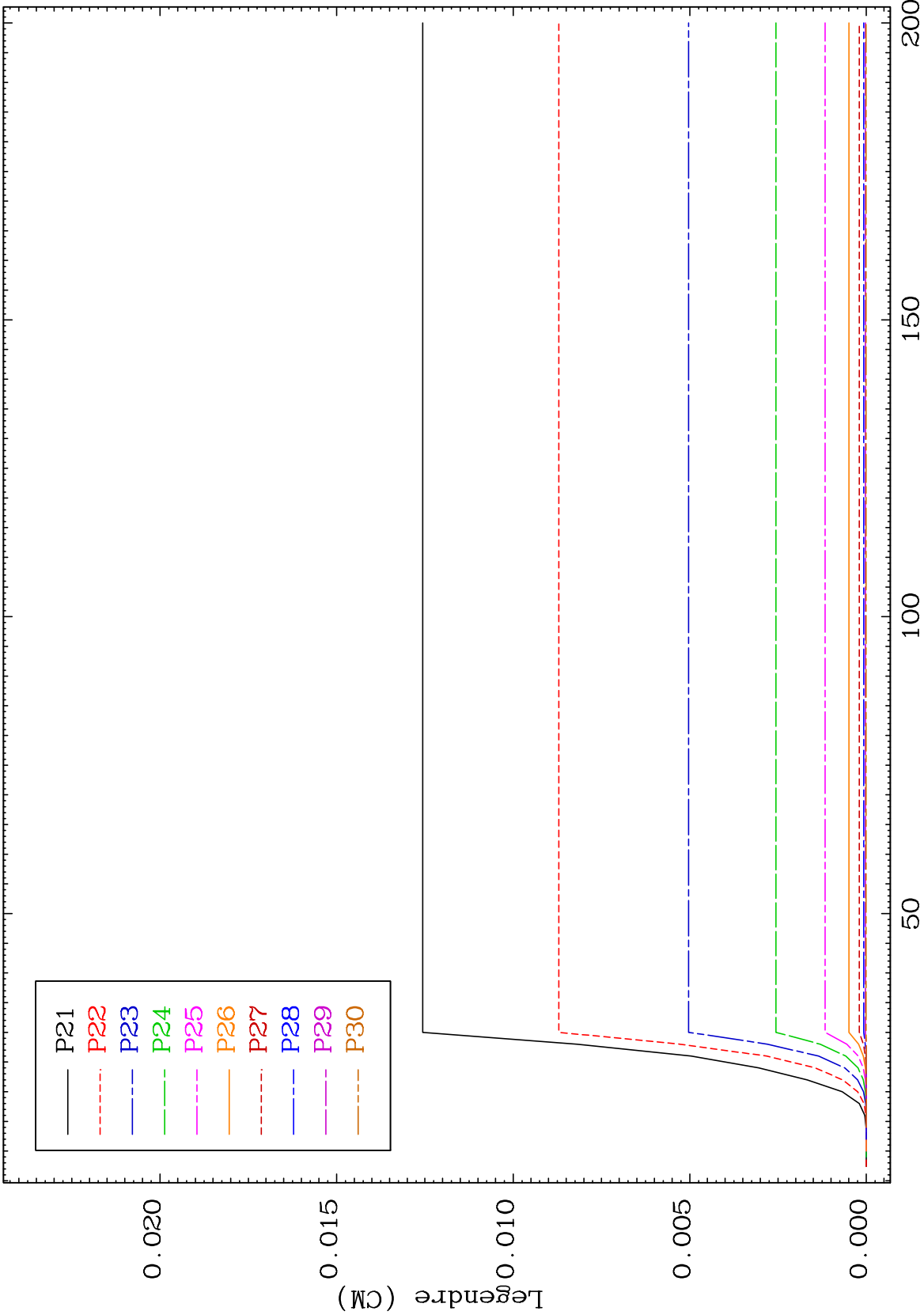
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

82-Pb-205



25

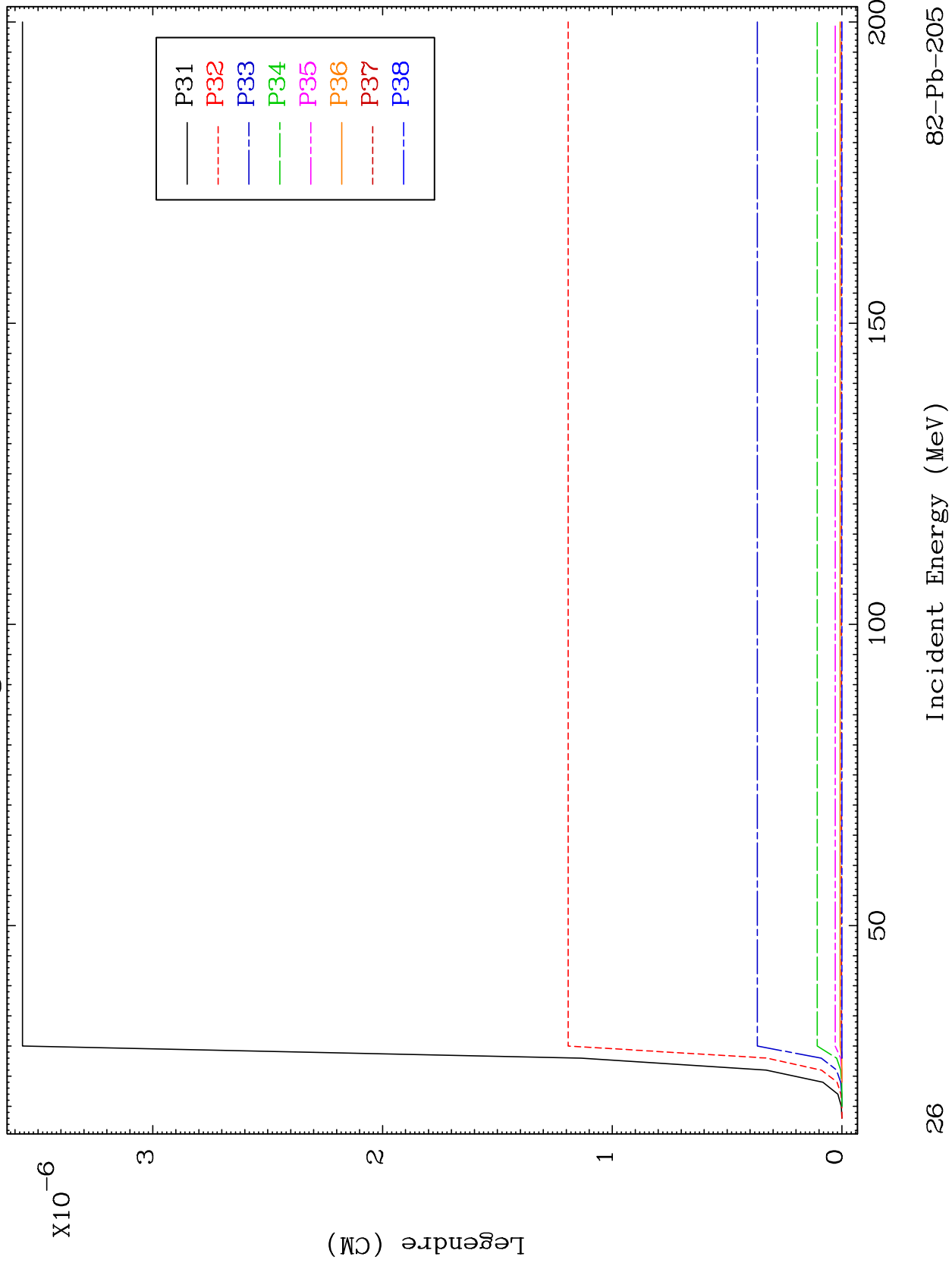
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

82-Pb-205

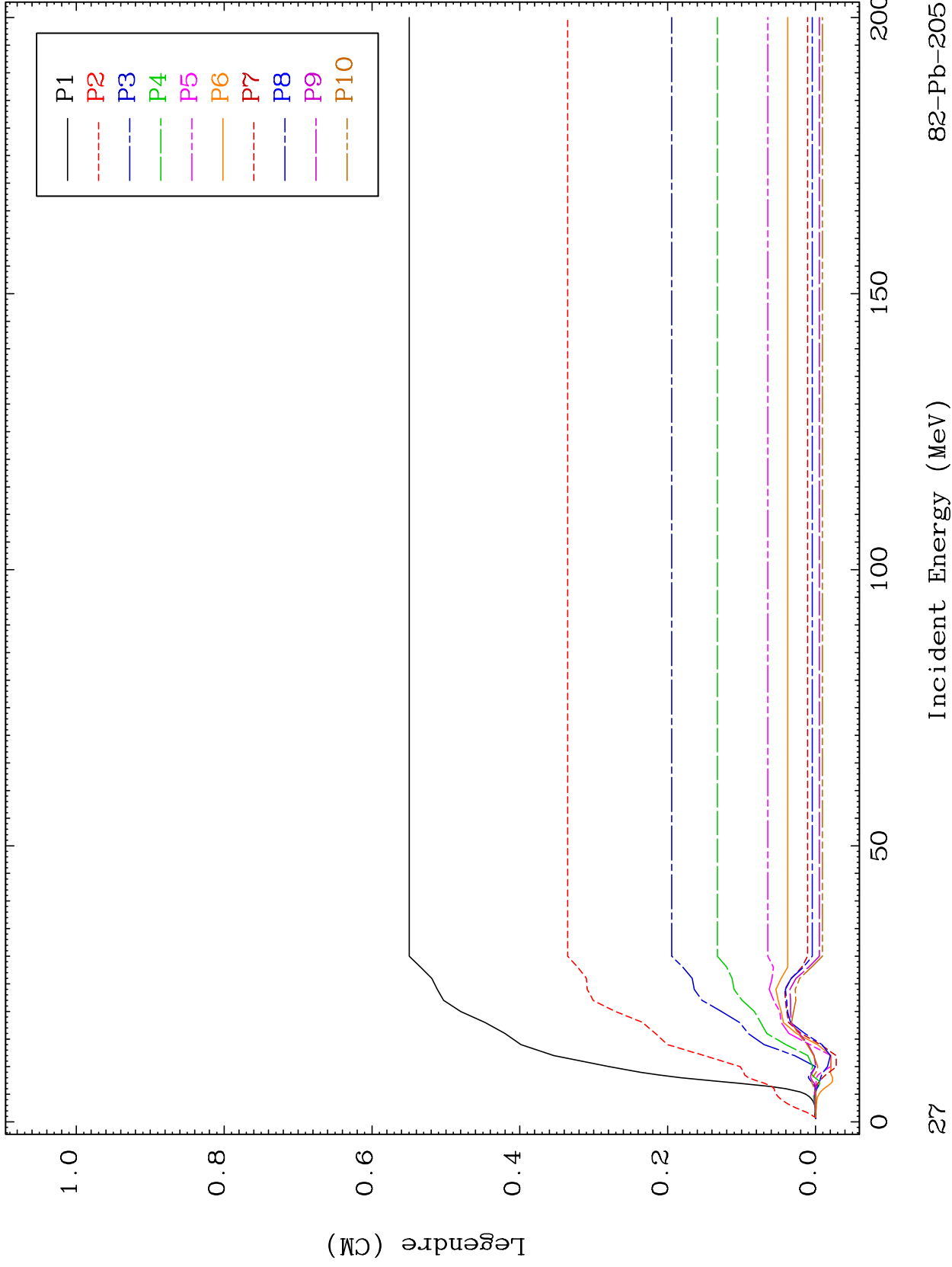


26

MAT 8228

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

82-Pb-205



27

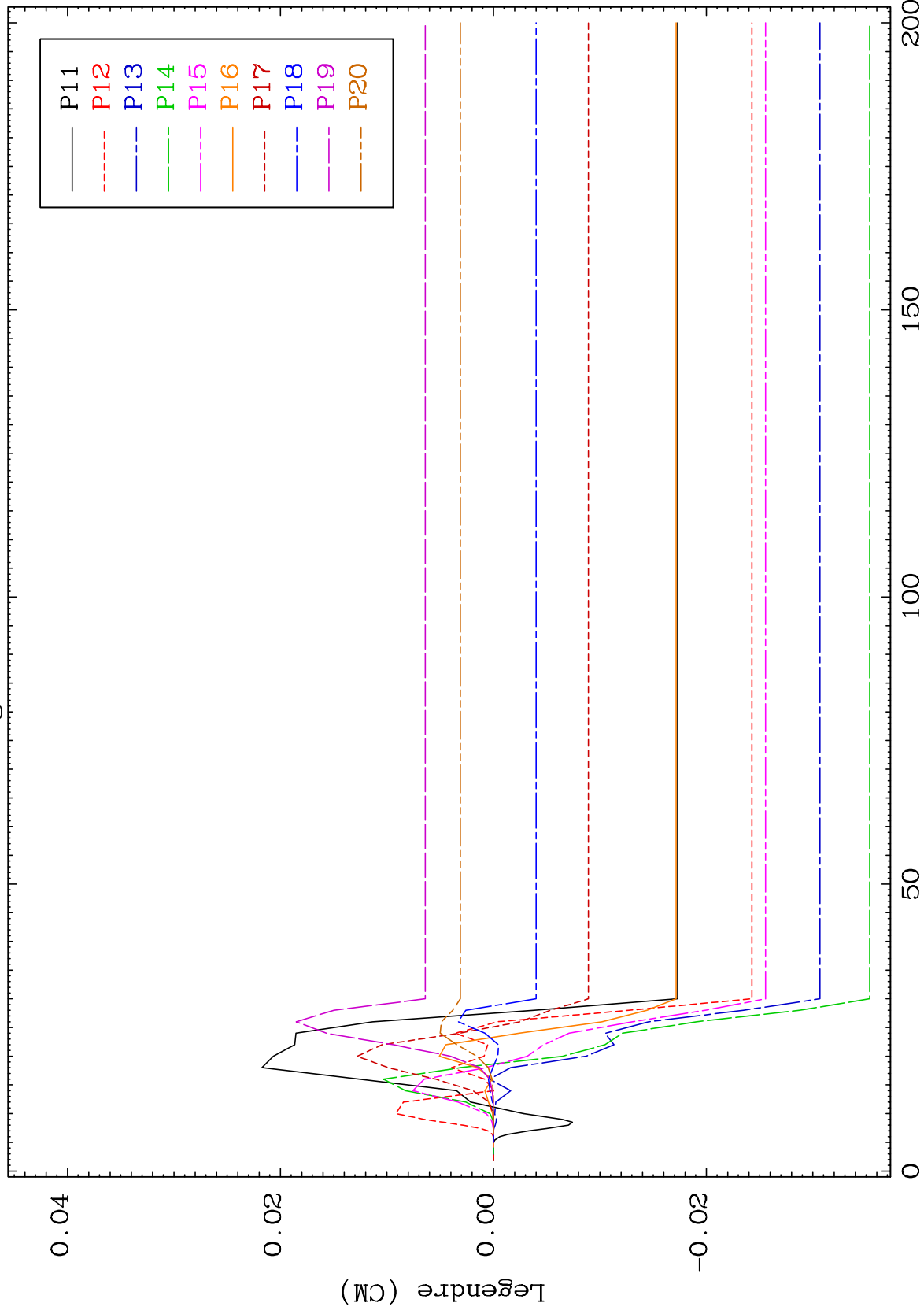
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

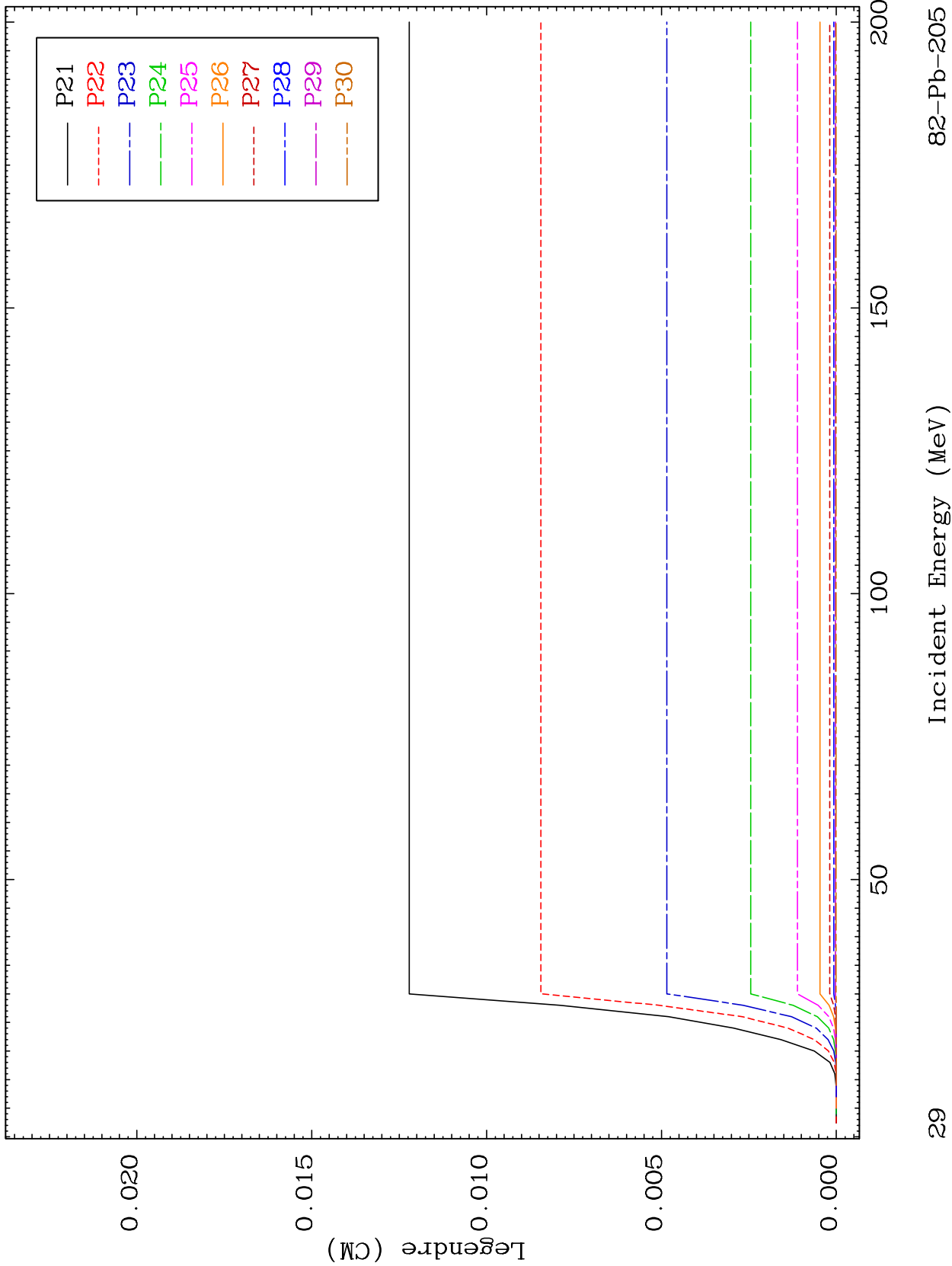
82-Pb-205



28

Incident Energy (MeV)

82-Pb-205



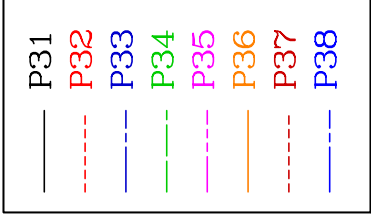
MAT 8228

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

82-Pb-205

$\times 10^{-6}$   
3

Legendre (CM)



0

50

100

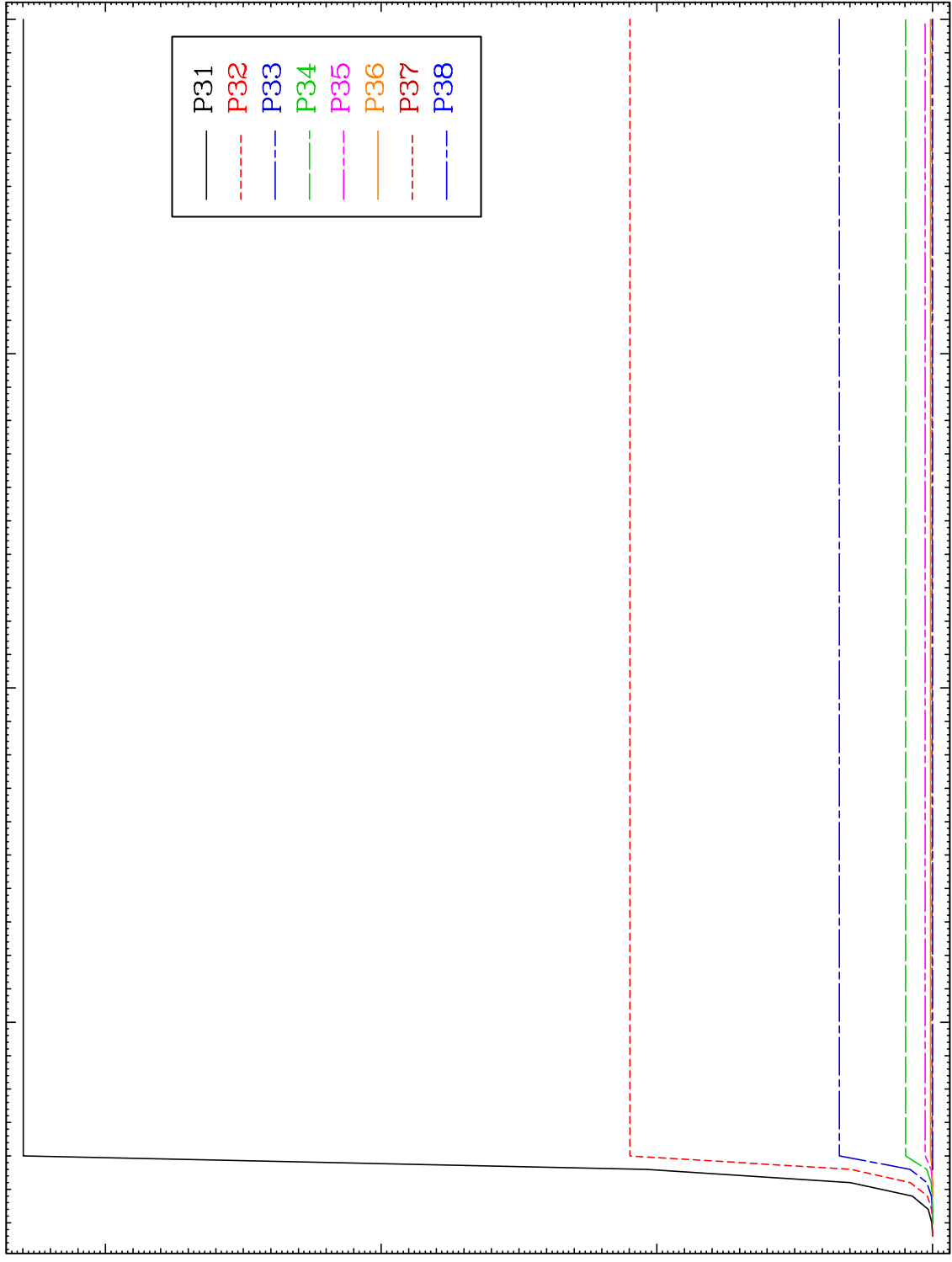
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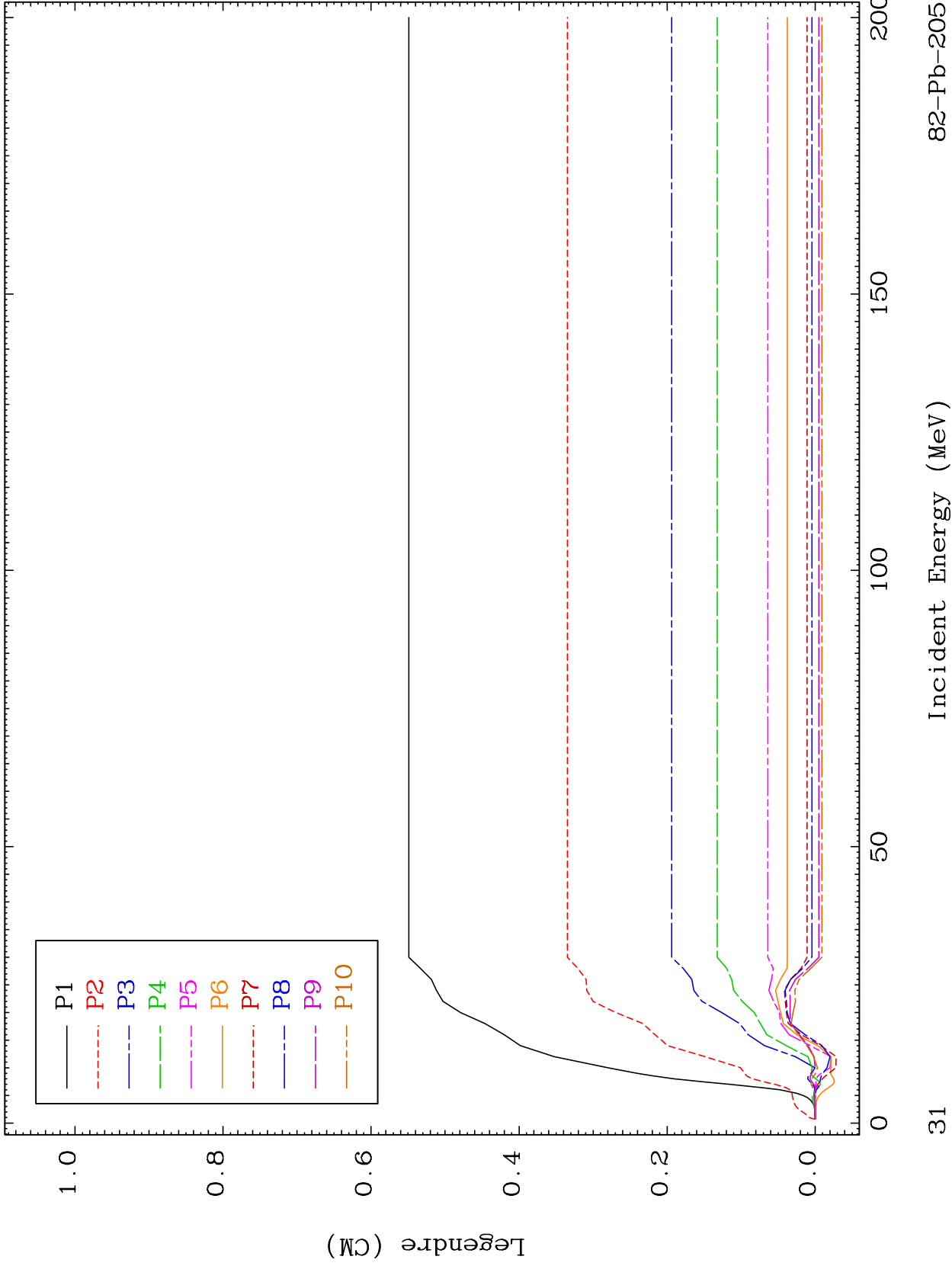
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30

Incident Energy (MeV)

82-Pb-205

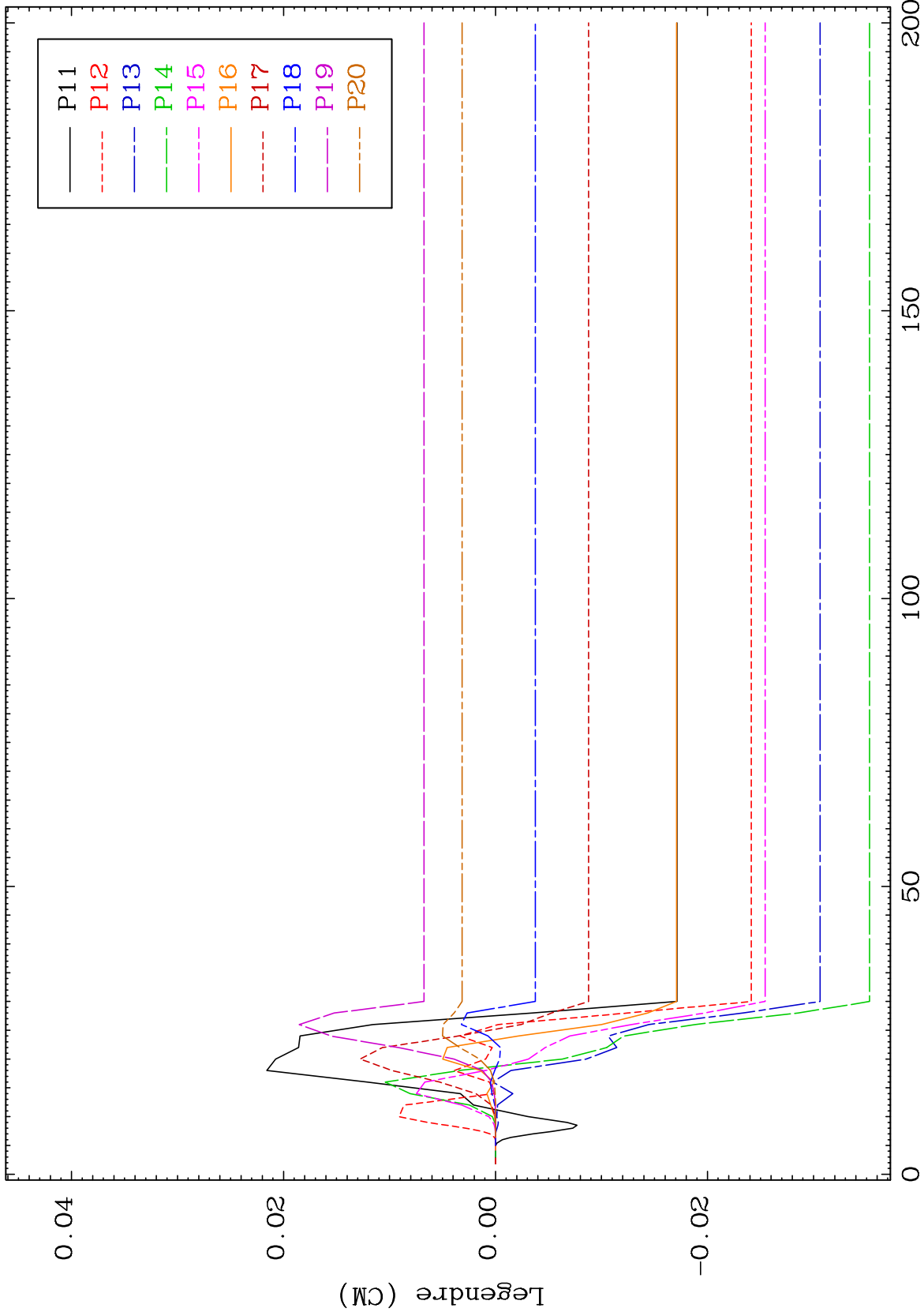




MAT 8228

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

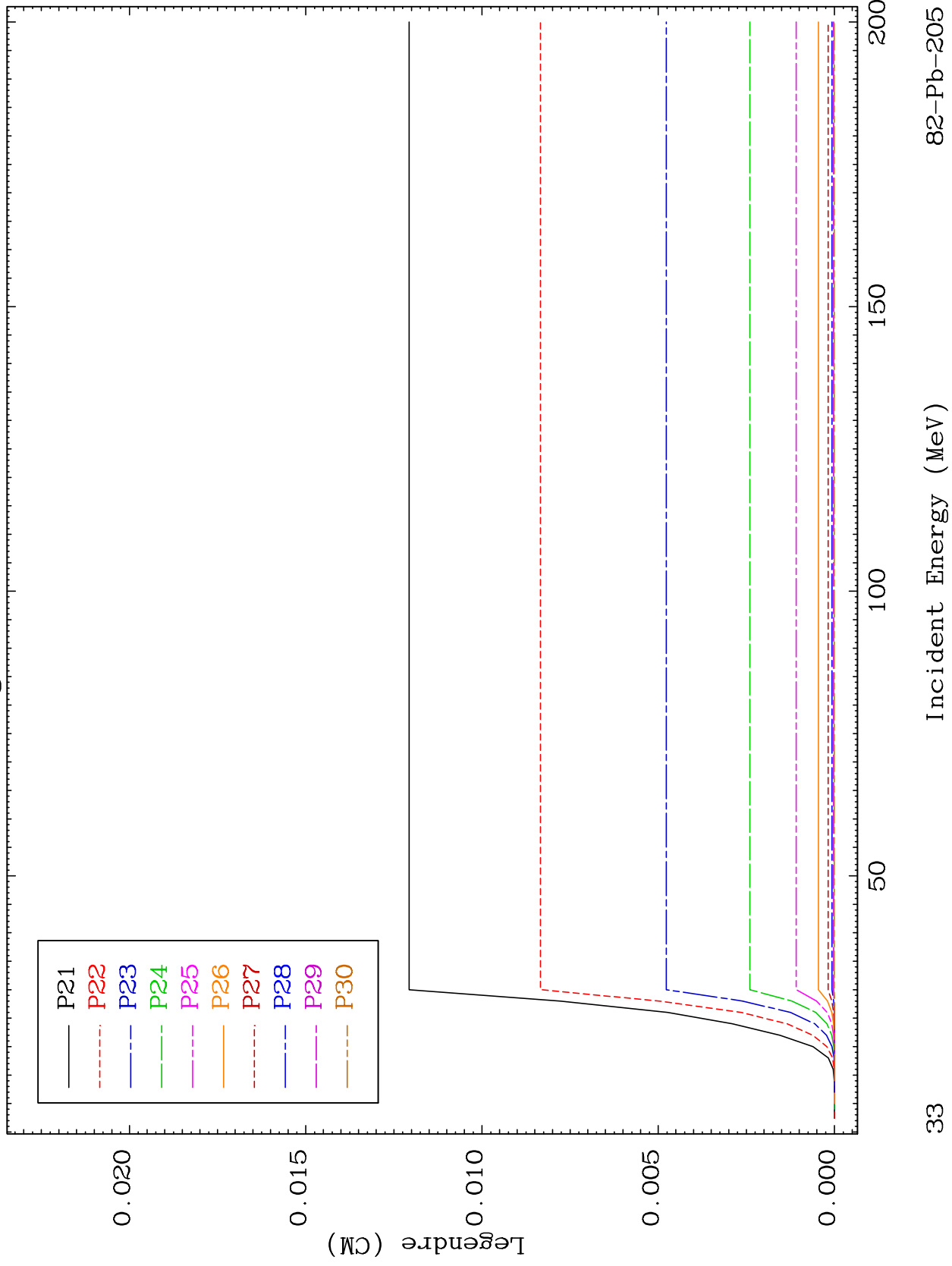
82-Pb-205



32

Incident Energy (MeV)

82-Pb-205



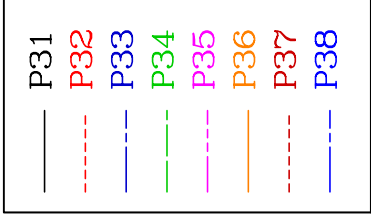
MAT 8228

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

82-Pb-205

$\times 10^{-6}$

Legendre (CM)

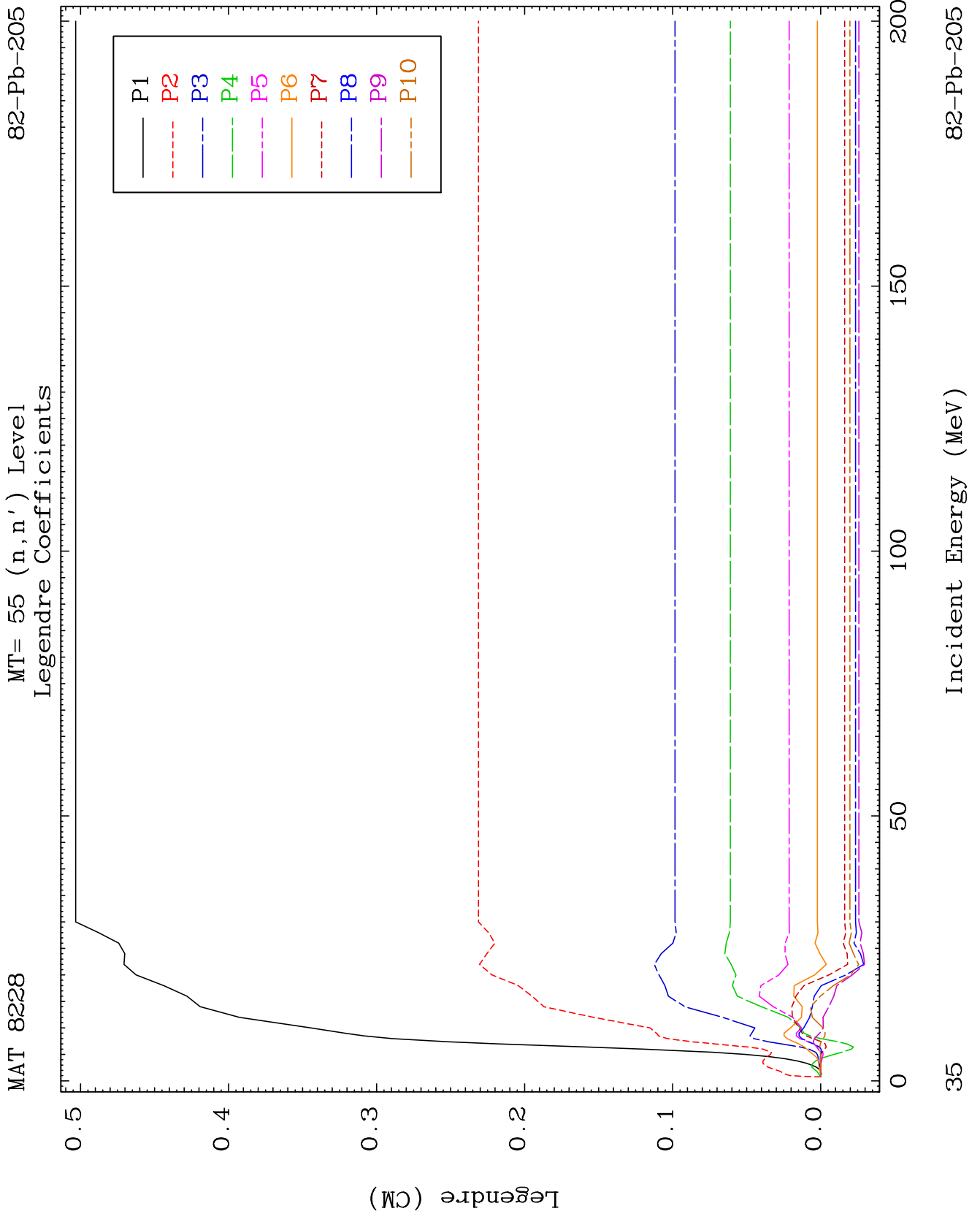


50 100 150 200

Incident Energy (MeV)

82-Pb-205

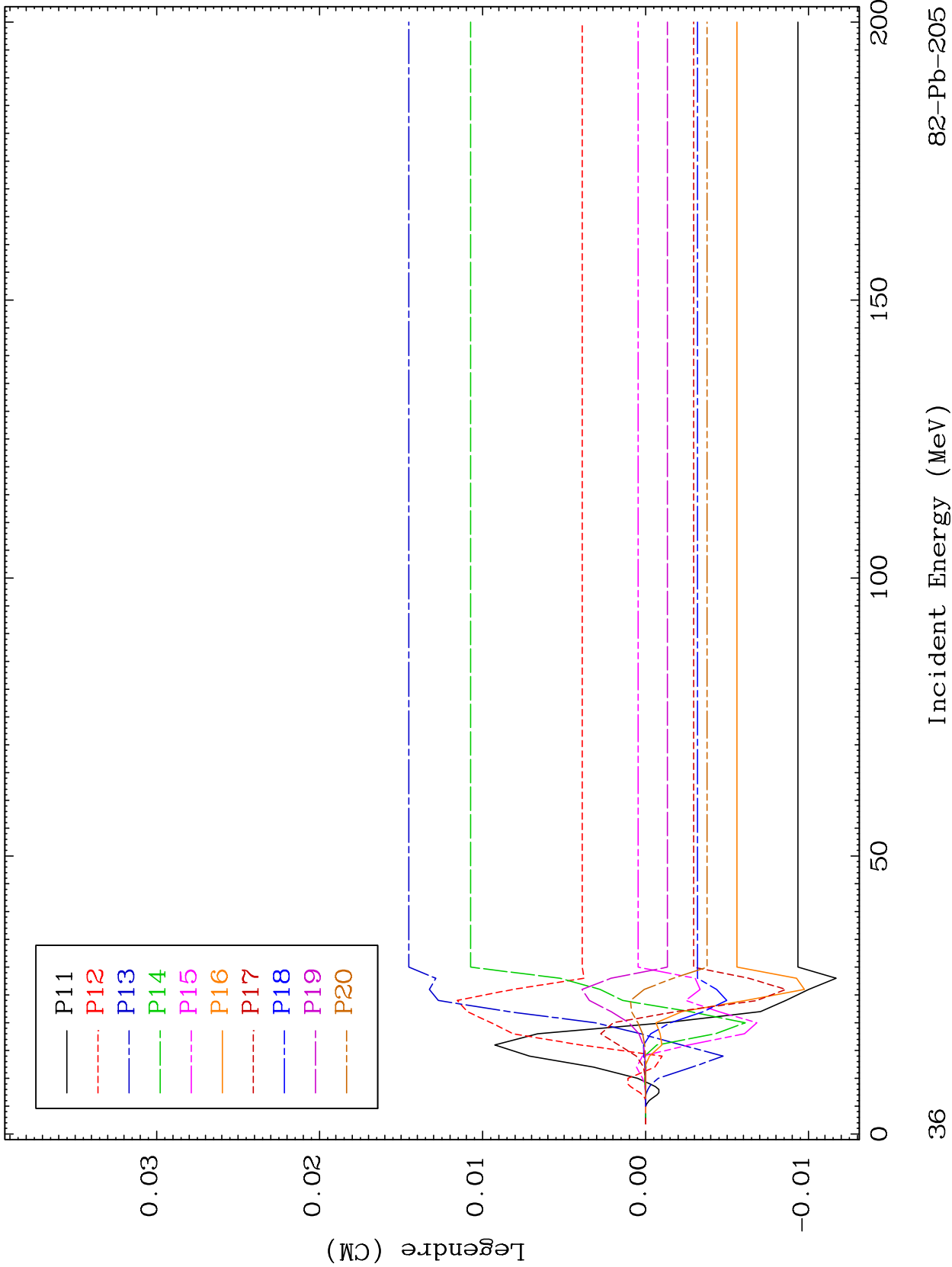
34



MAT 8228

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

82-Pb-205



36

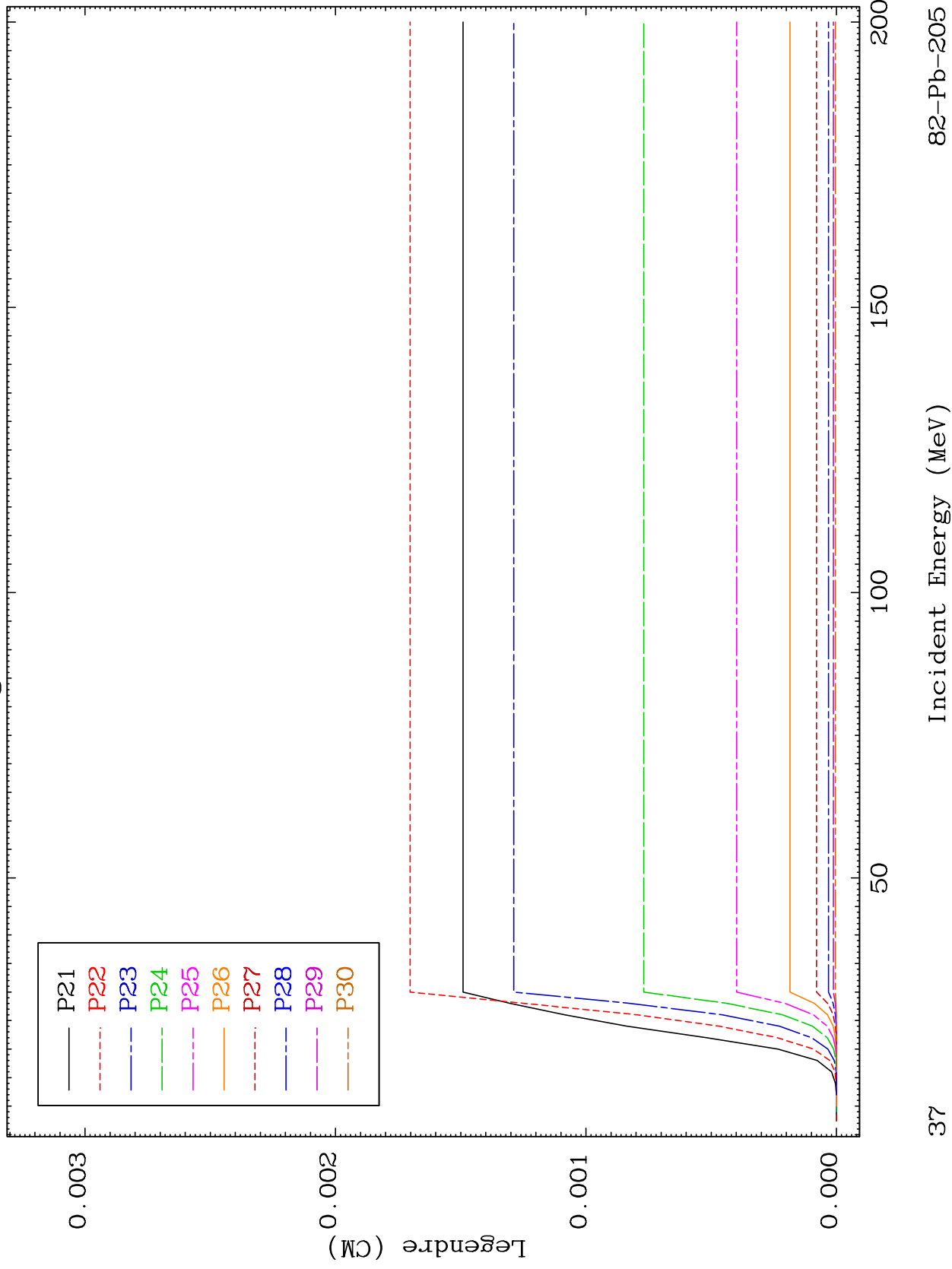
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

82-Pb-205



37

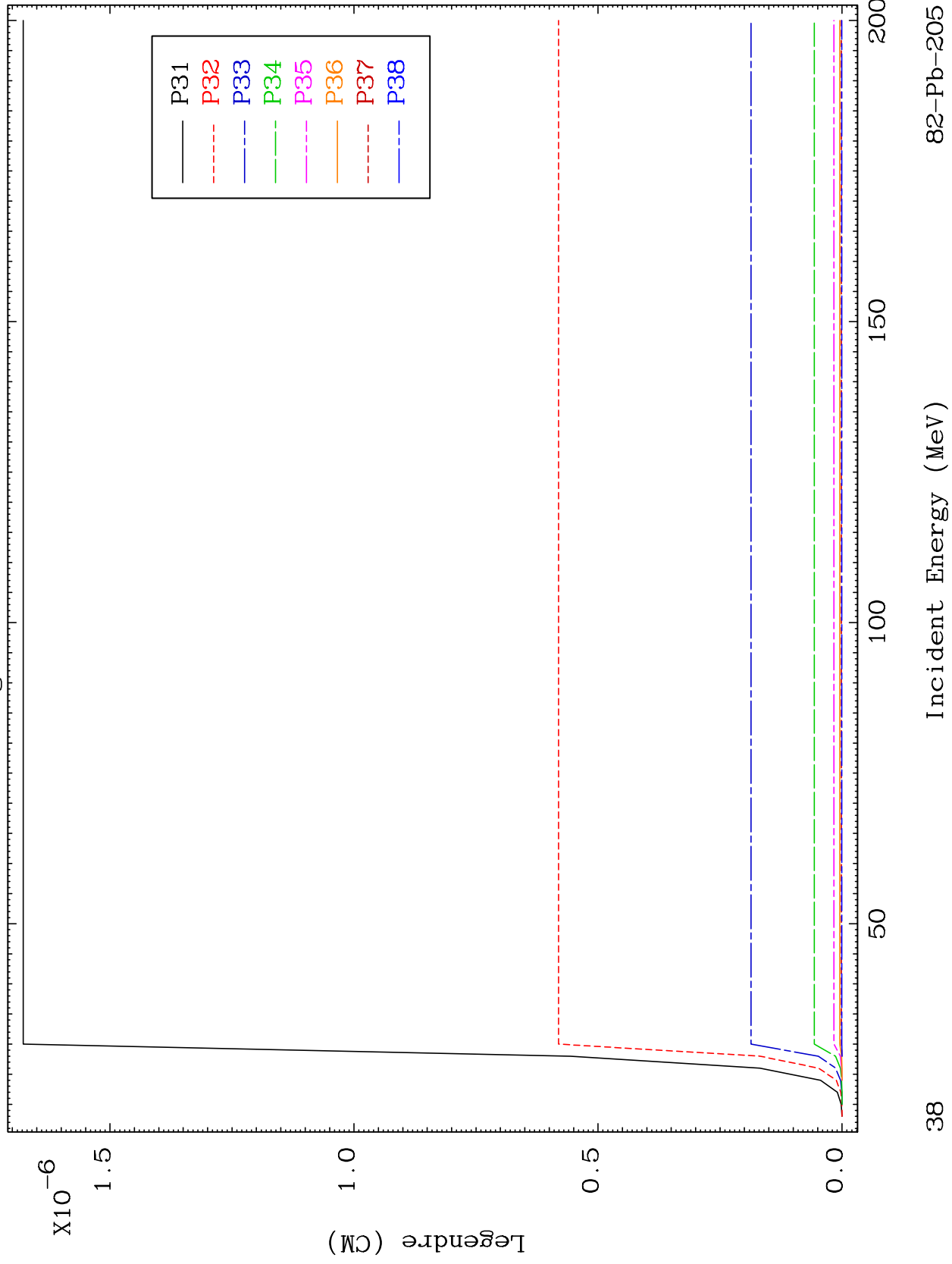
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

82-Pb-205



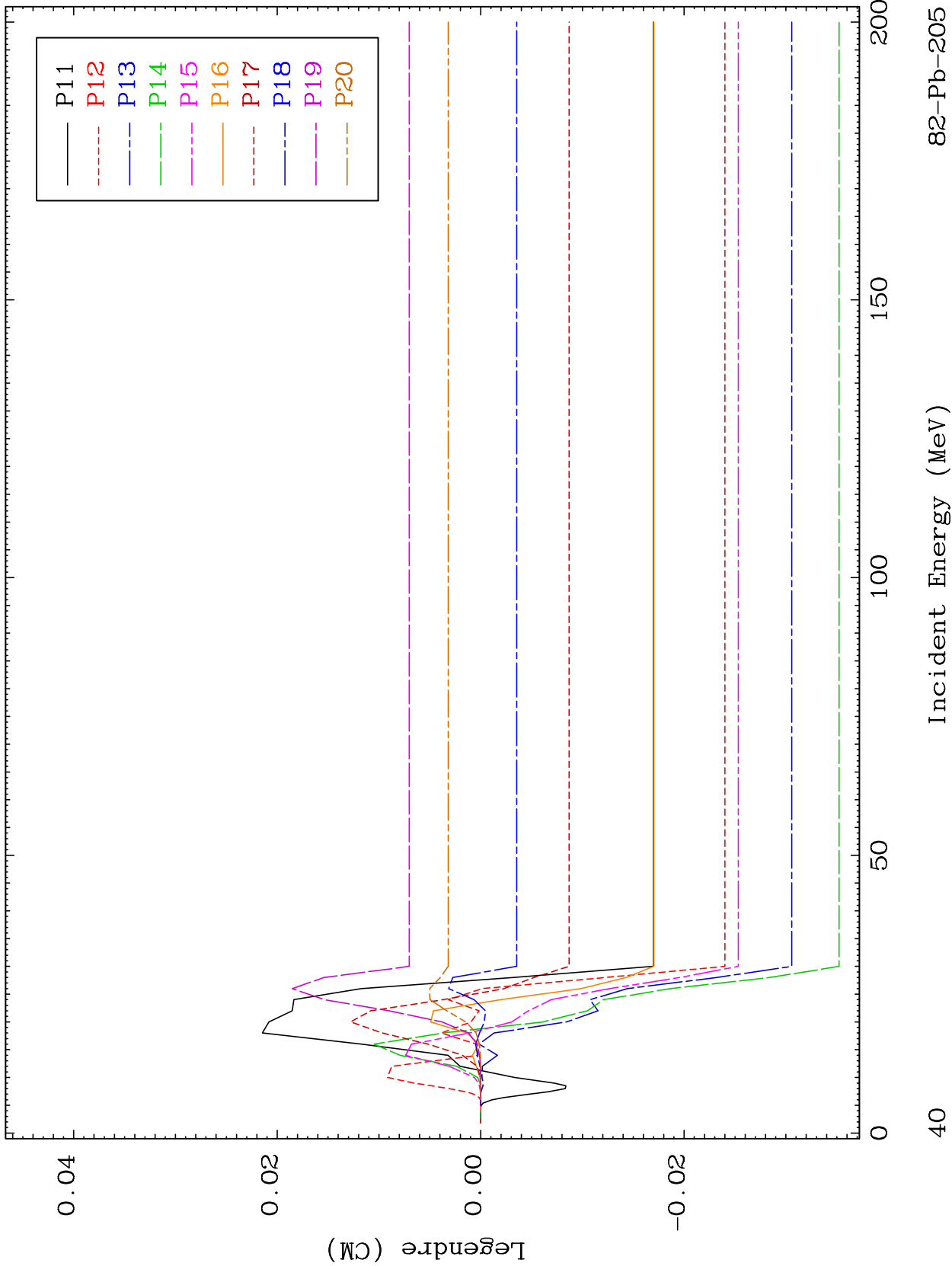
38



MAT 8228

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

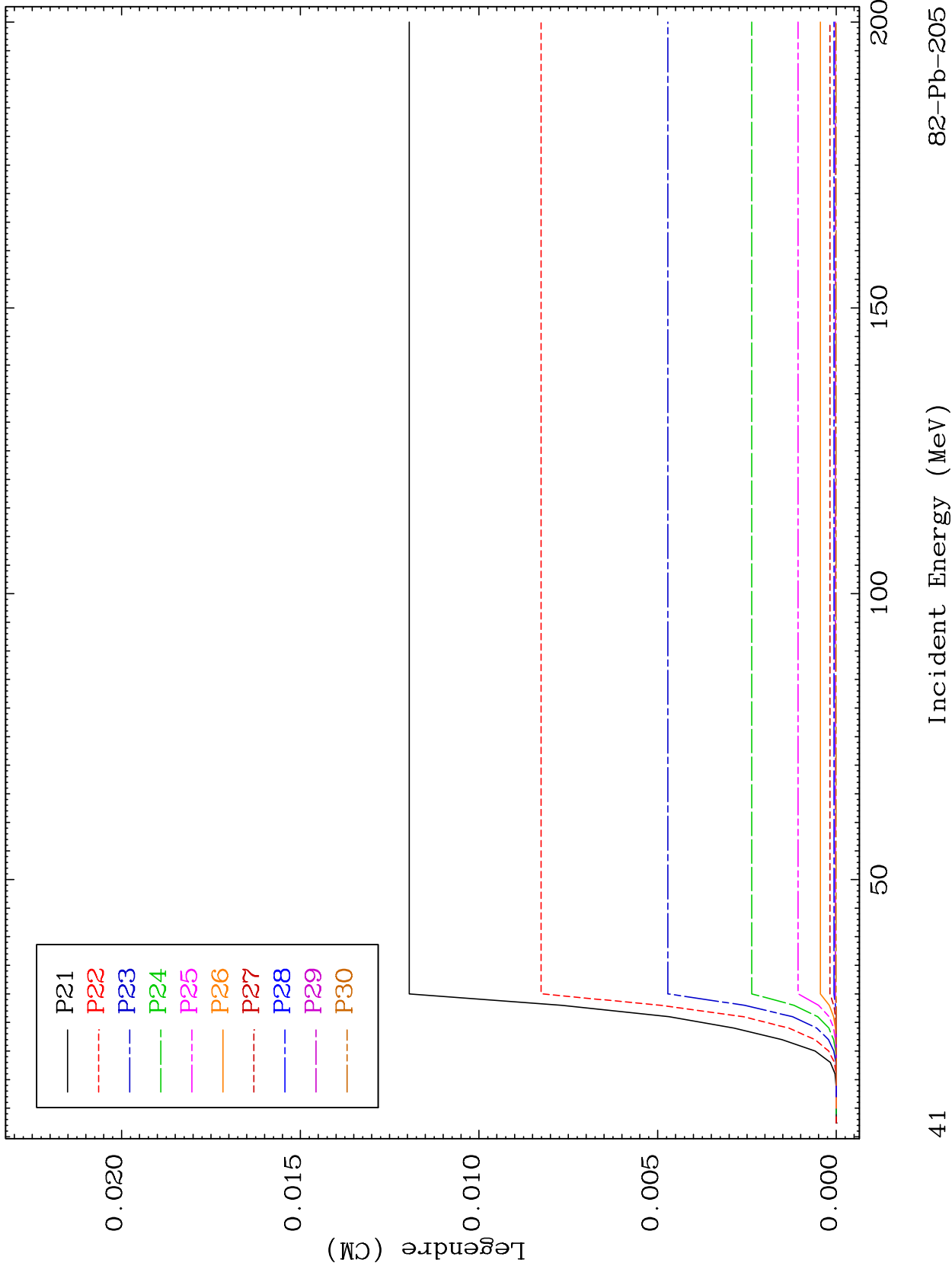
82-Pb-205



82-Pb-205

Incident Energy (MeV)

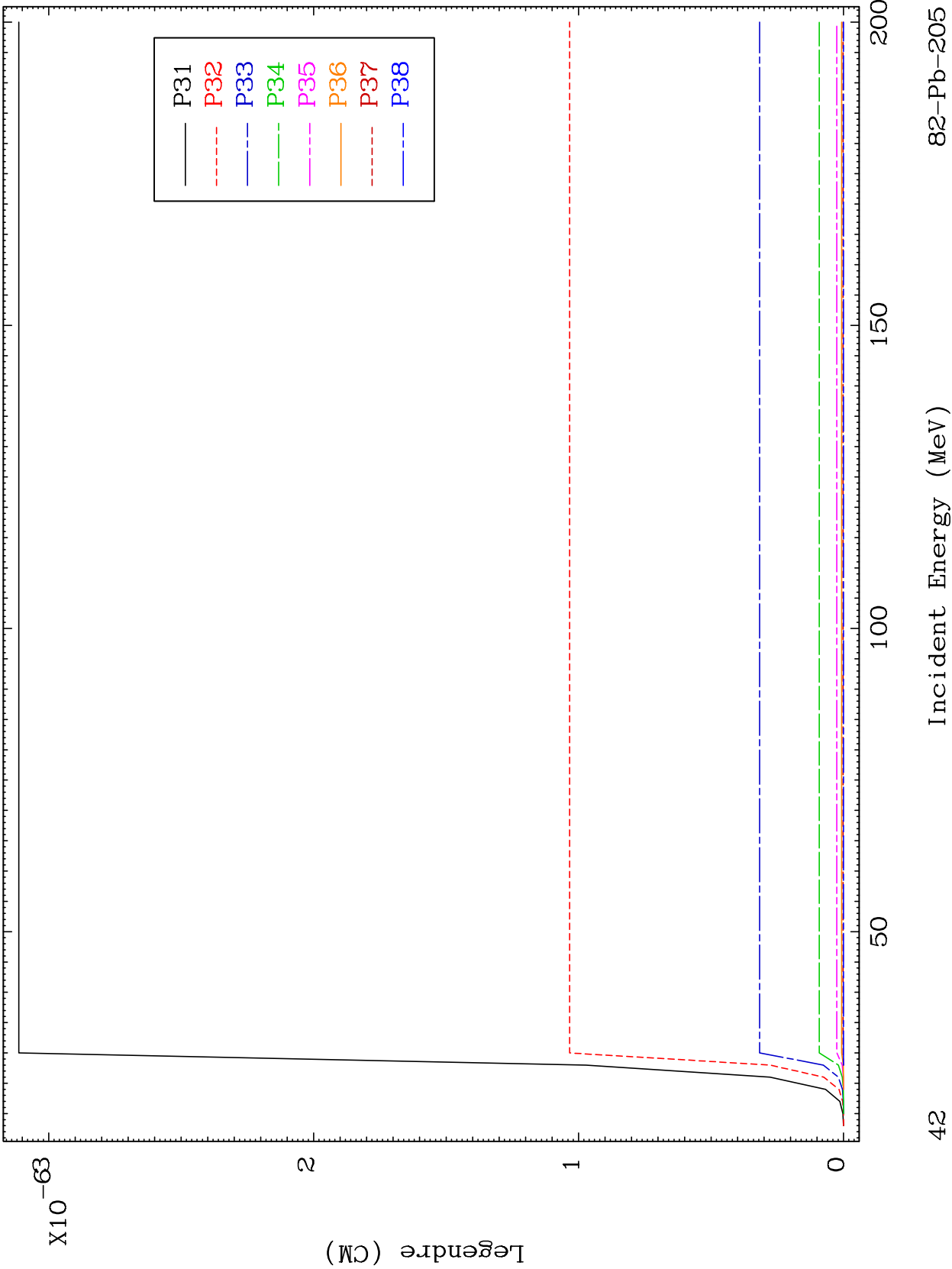
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MAT 8228

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

82-Pb-205



42

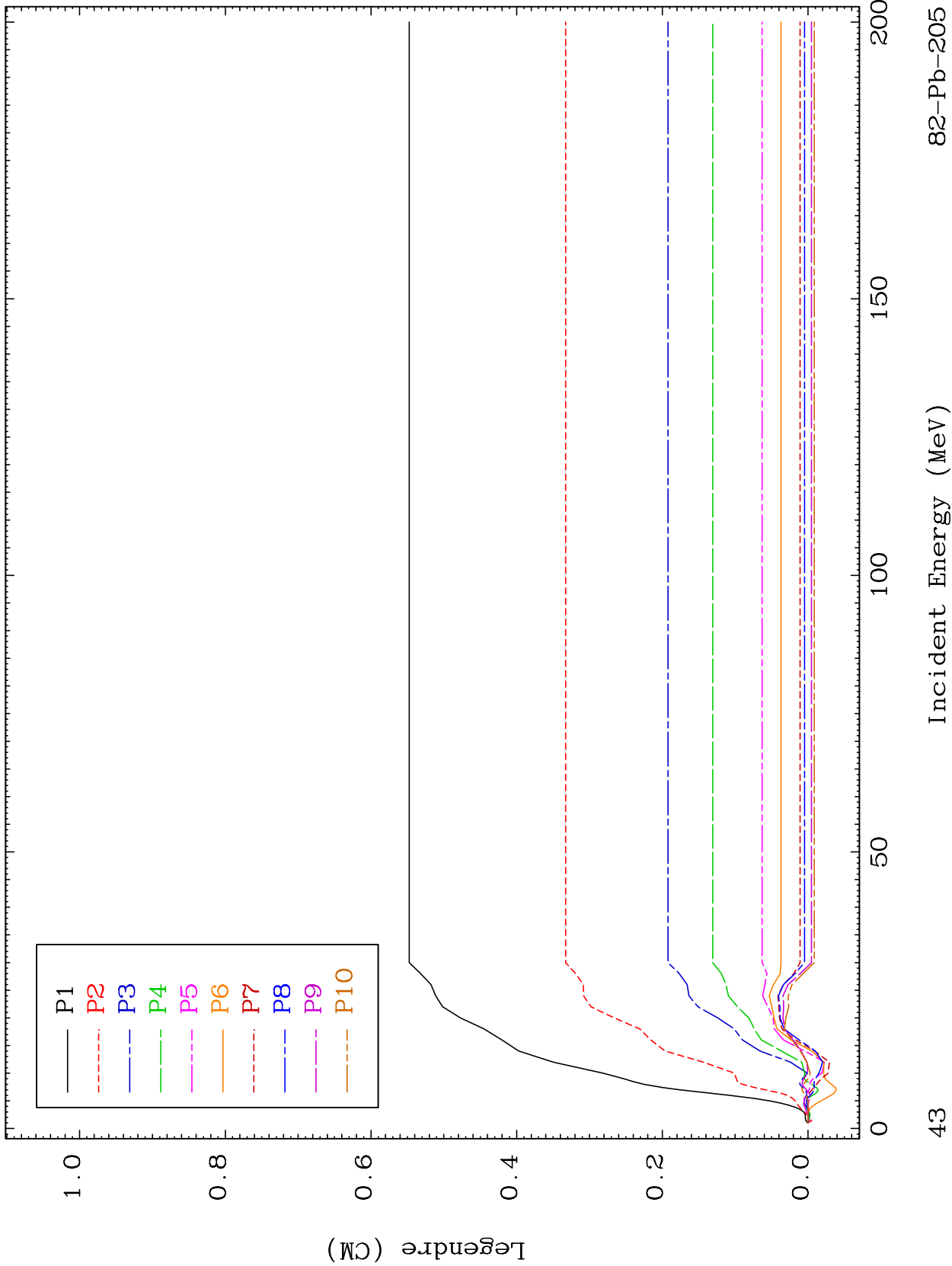
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

82-Pb-205

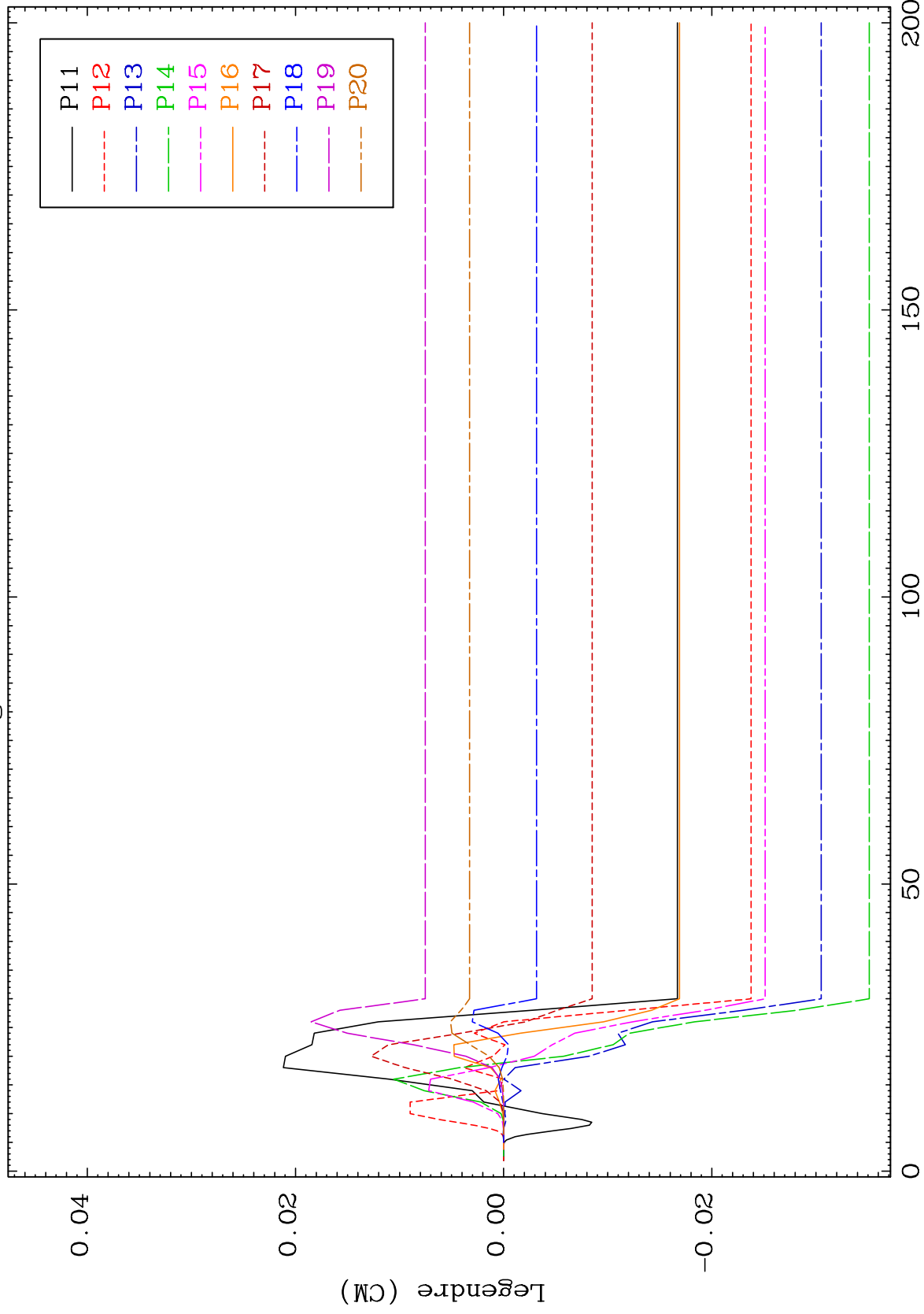


43

MAT 8228

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

82-Pb-205



44

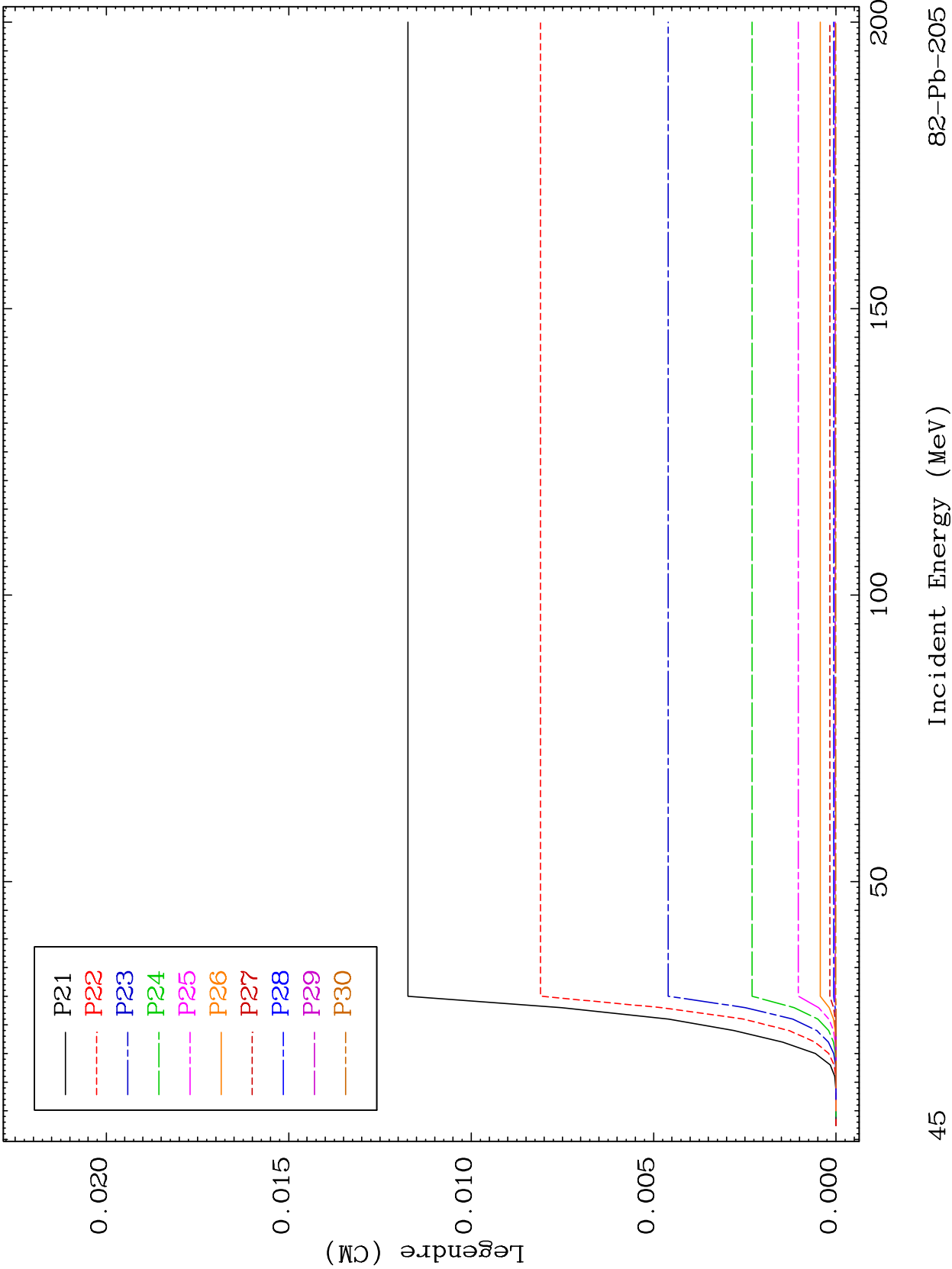
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

82-Pb-205



45

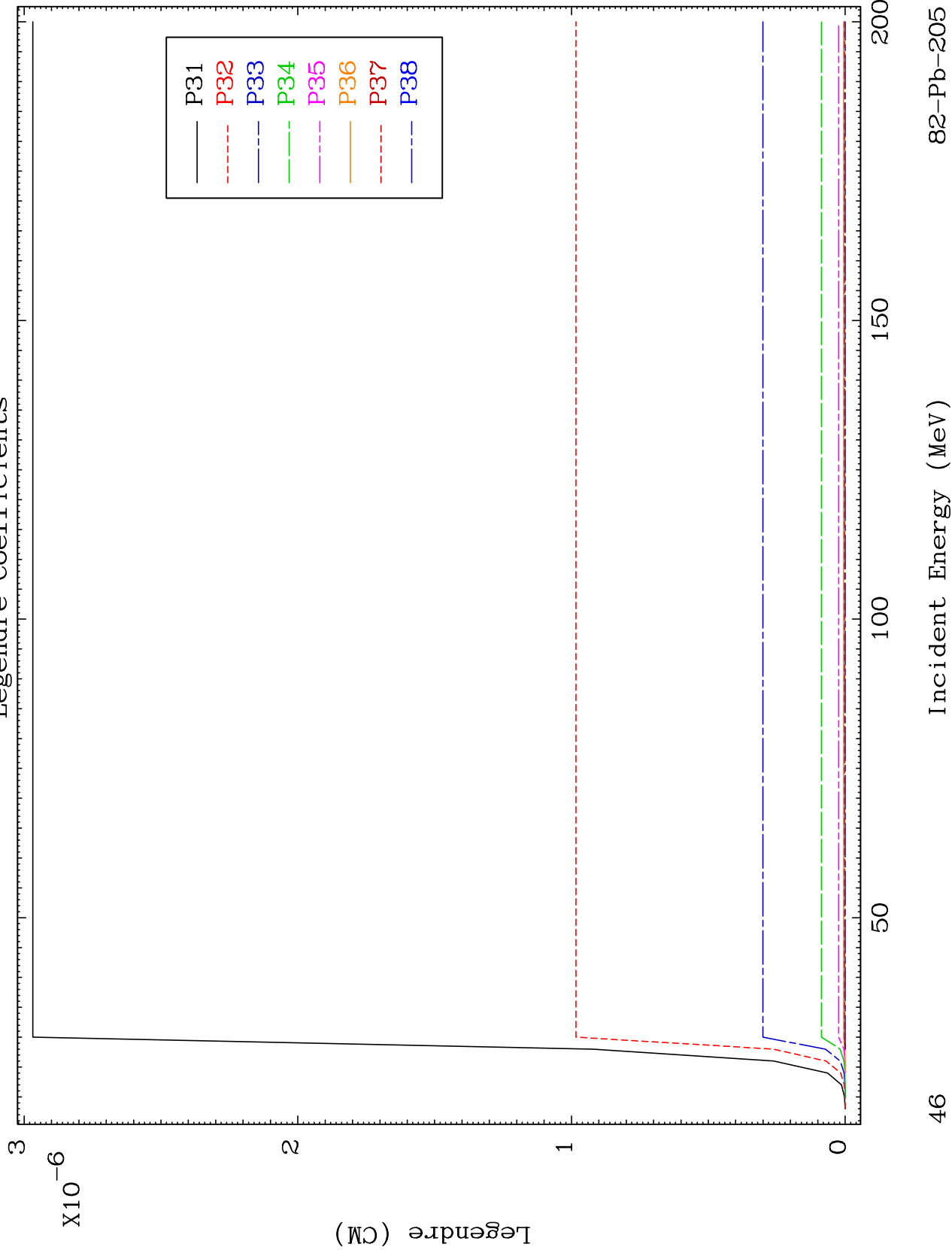
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

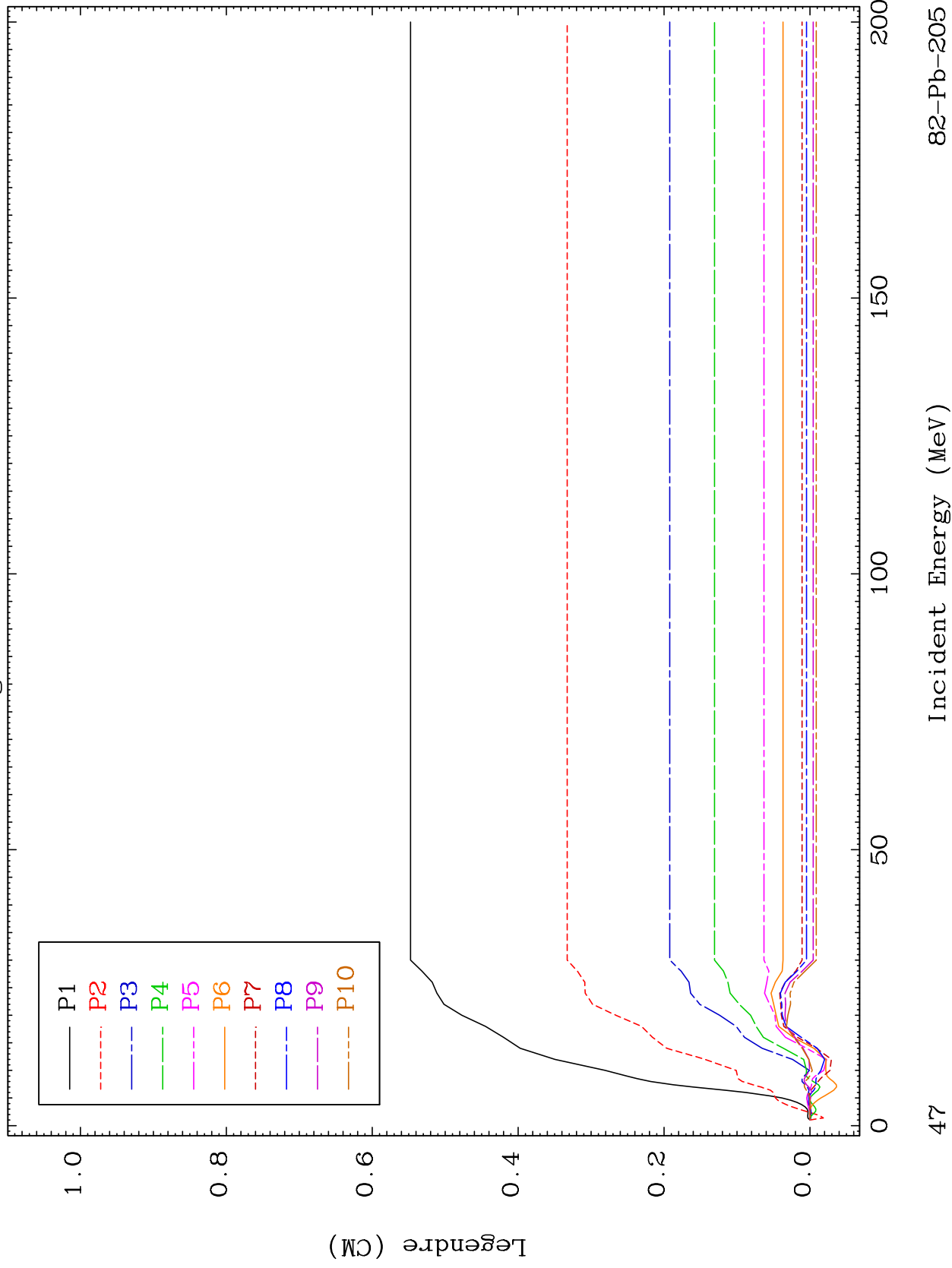
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MAT 8228

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

82-Pb-205



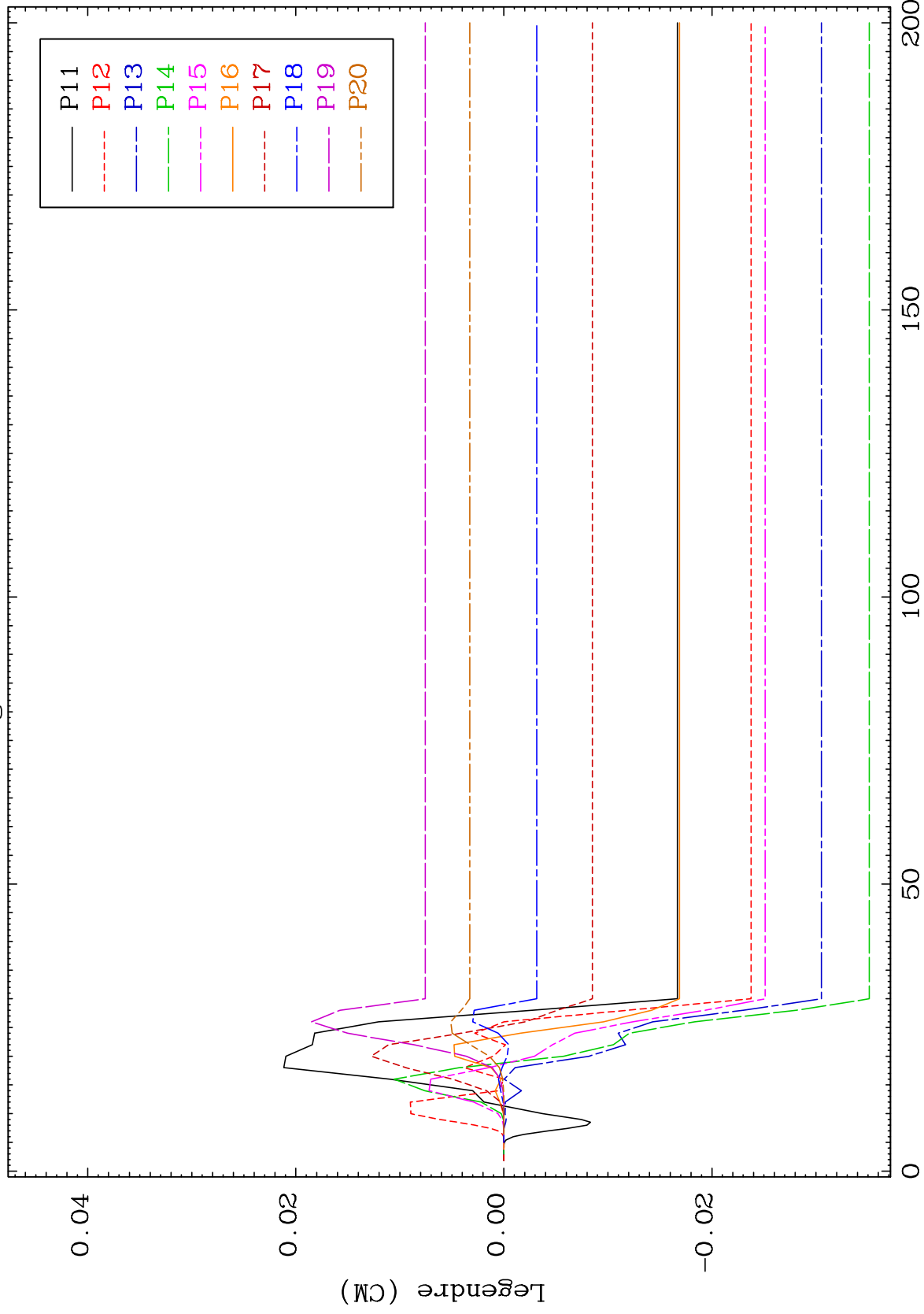
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82-Pb-205

MAT 8228

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

82-Pb-205



48

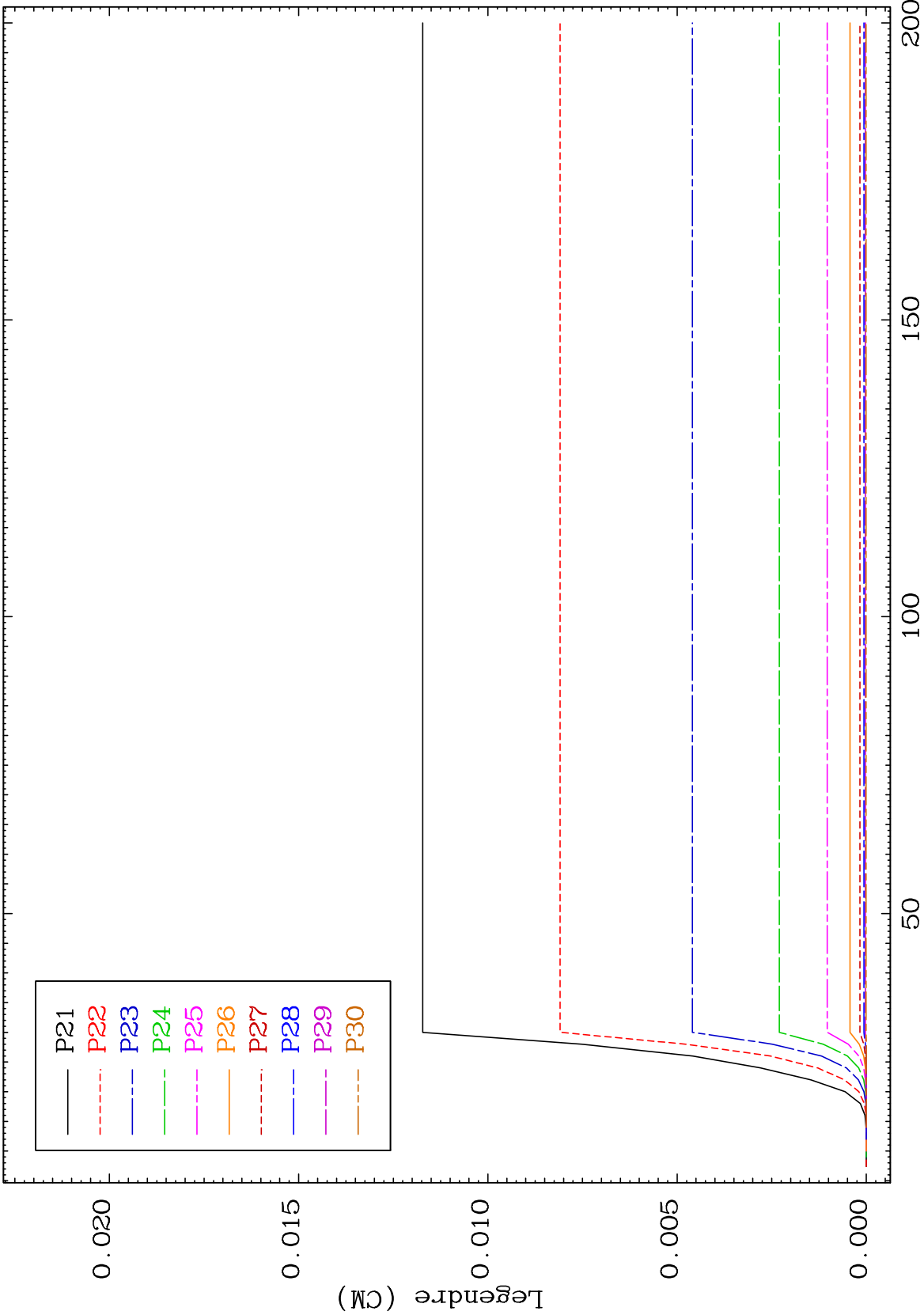
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

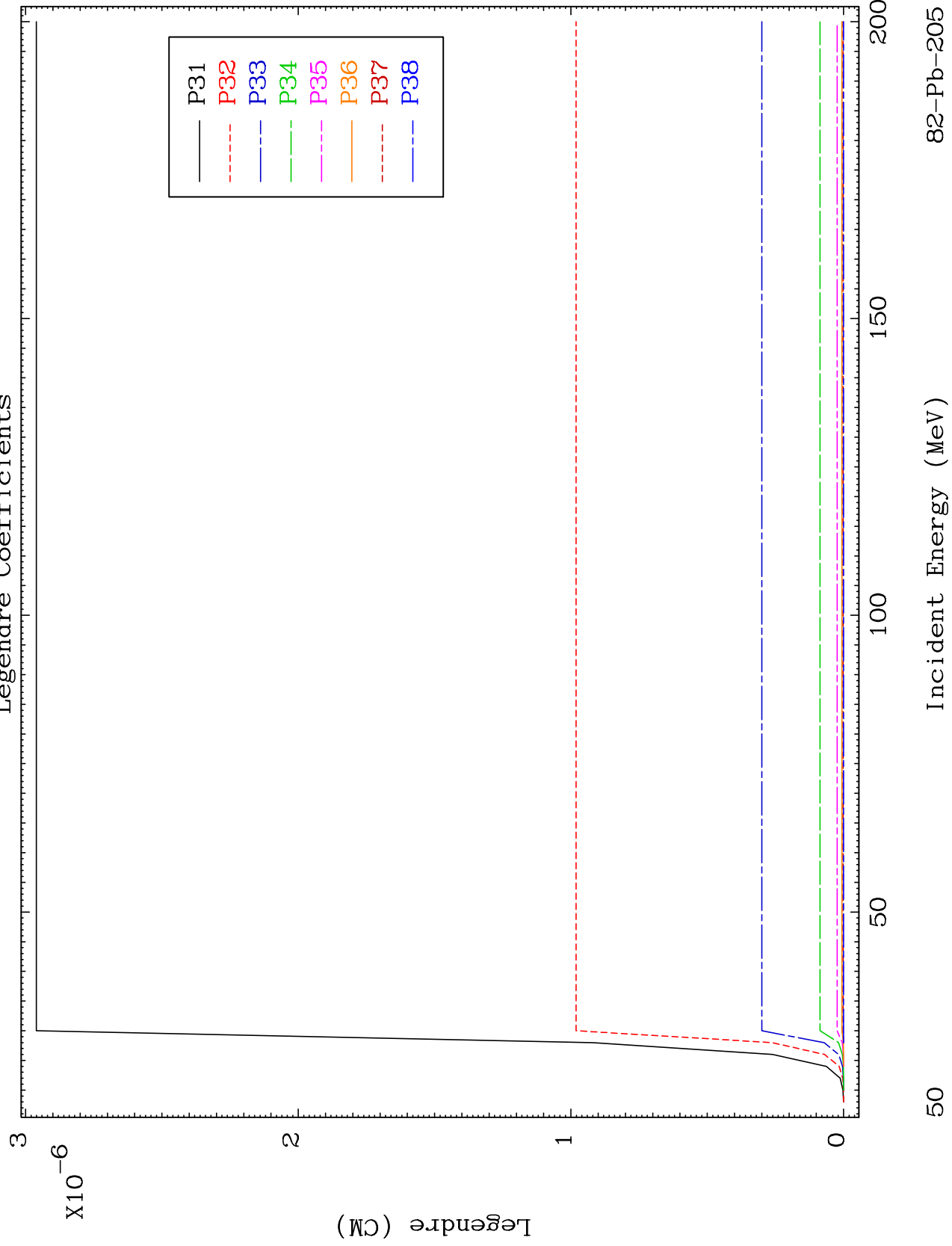
82-Pb-205



MAT 8228

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

82-Pb-205

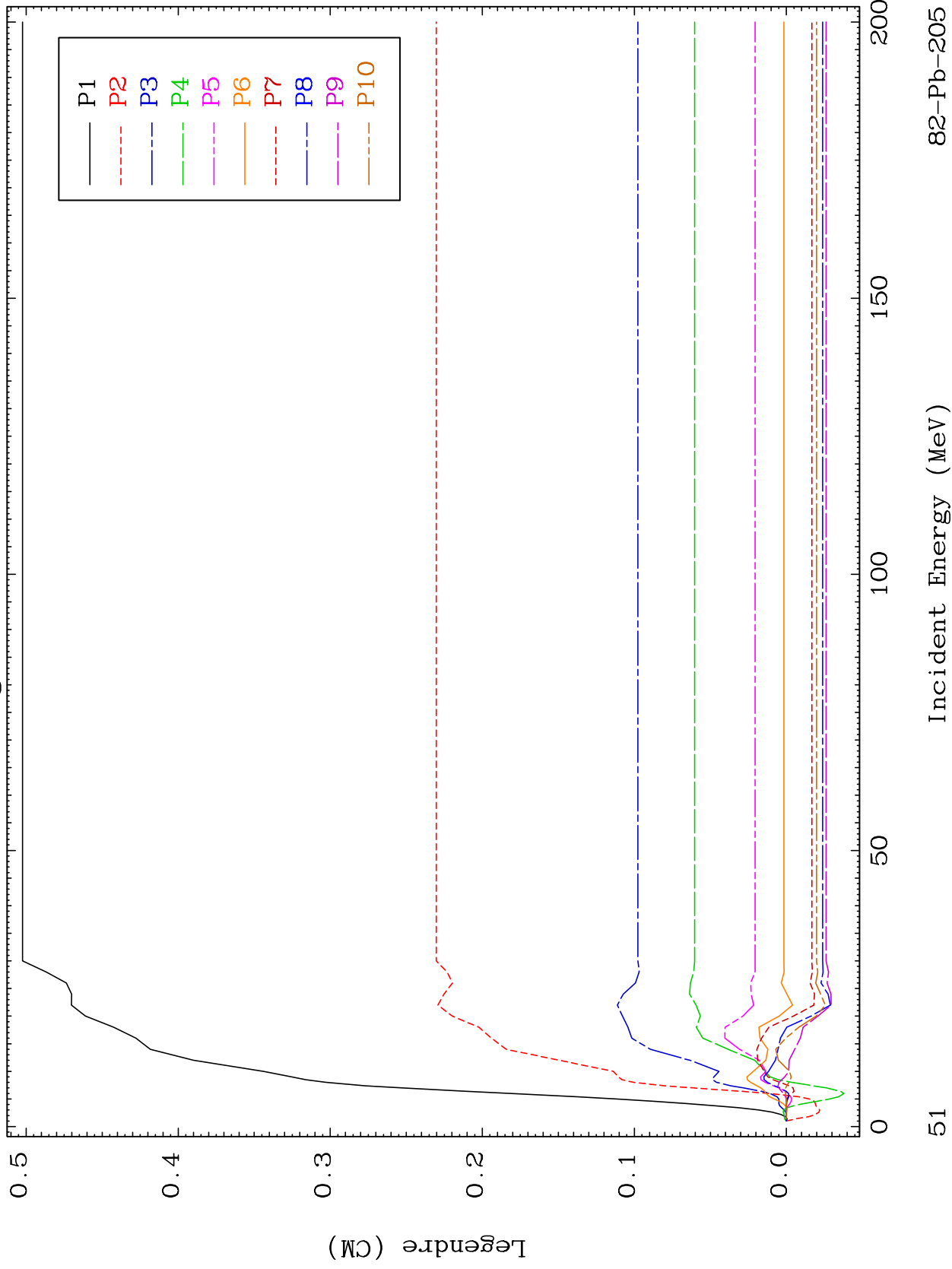


MAT 8228

MT= 59 (n,n') Level

82-Pb-205

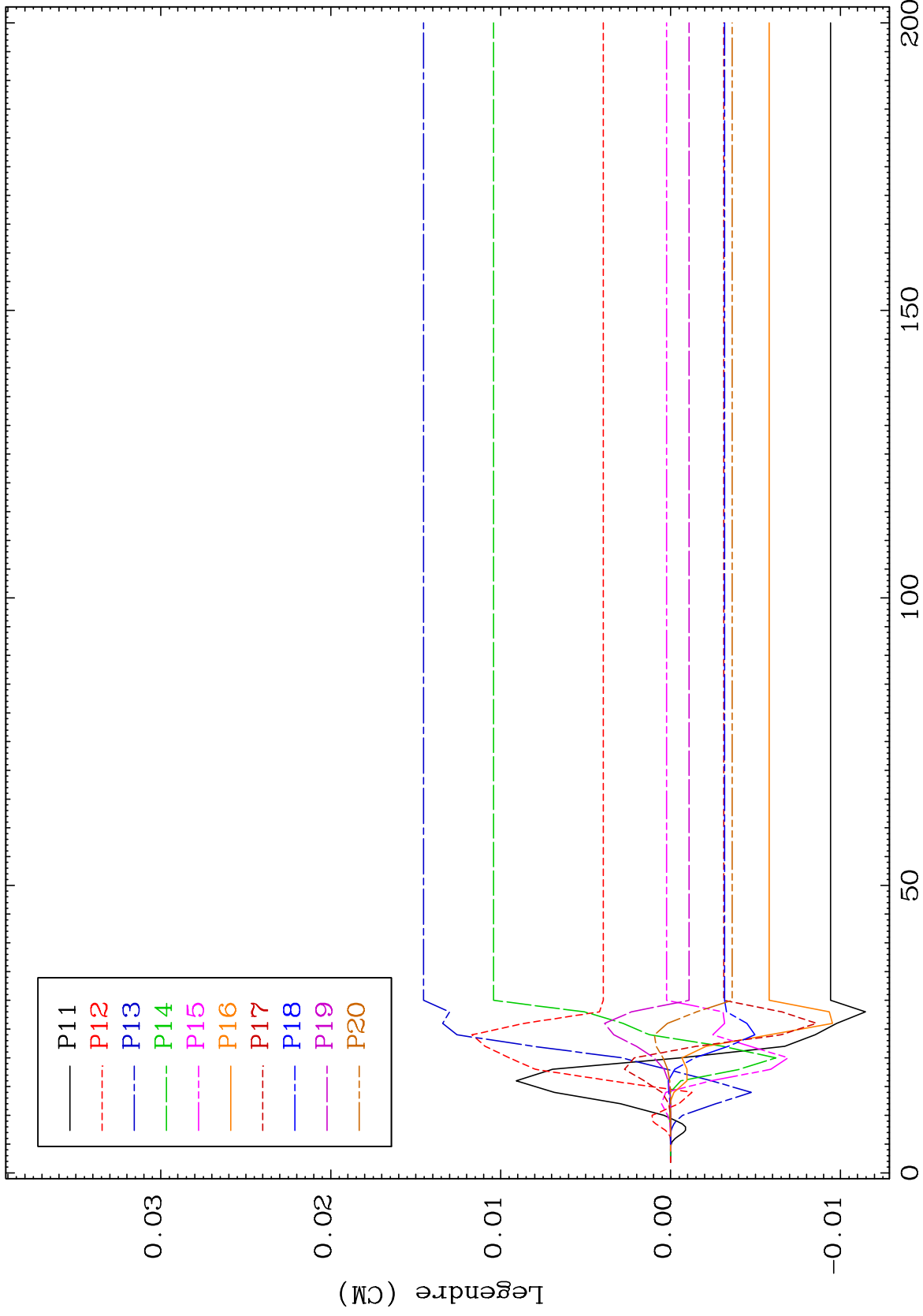
Legendre Coefficients



MAT 8228

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

82-Pb-205



52

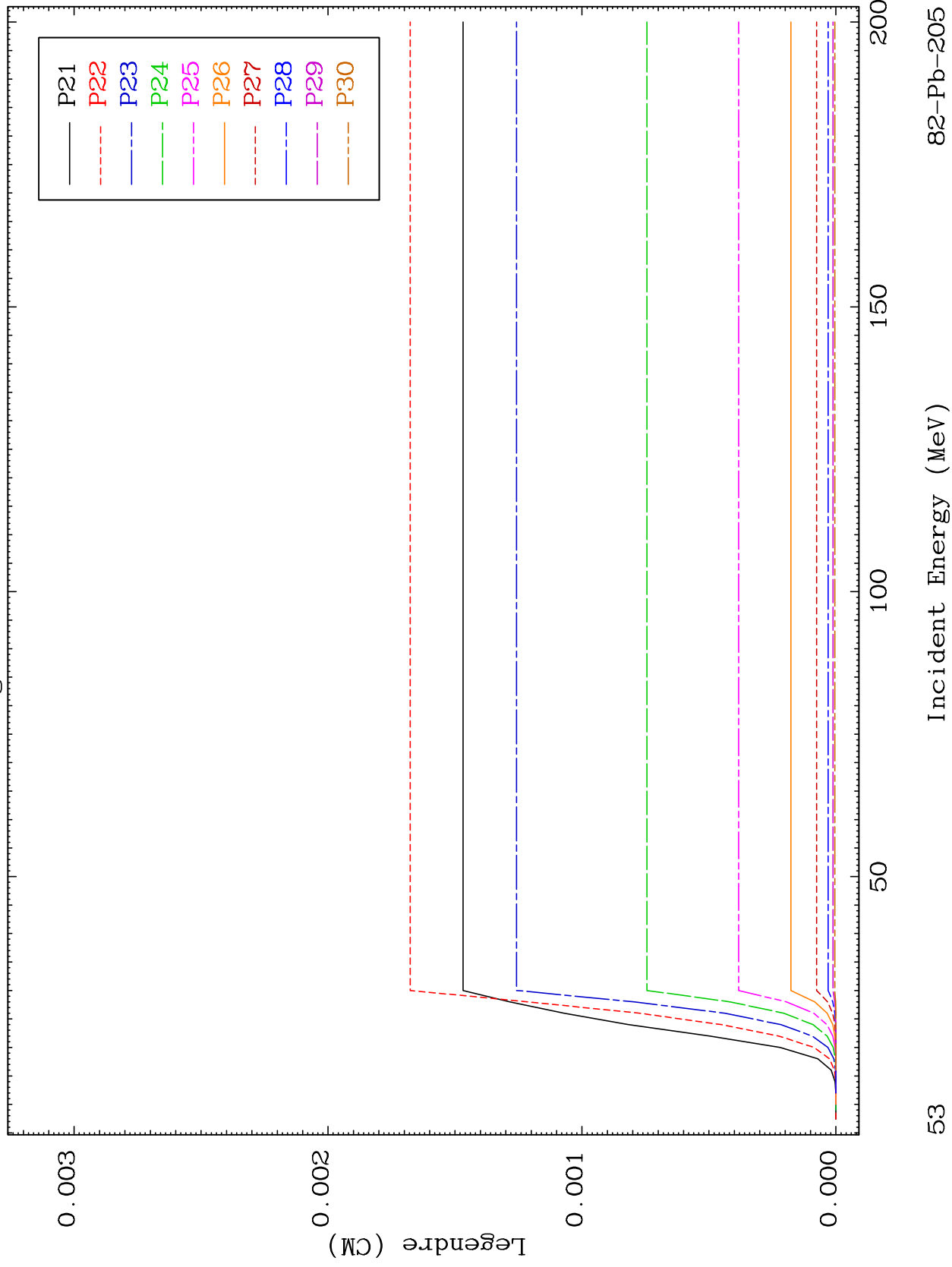
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

82-Pb-205



53

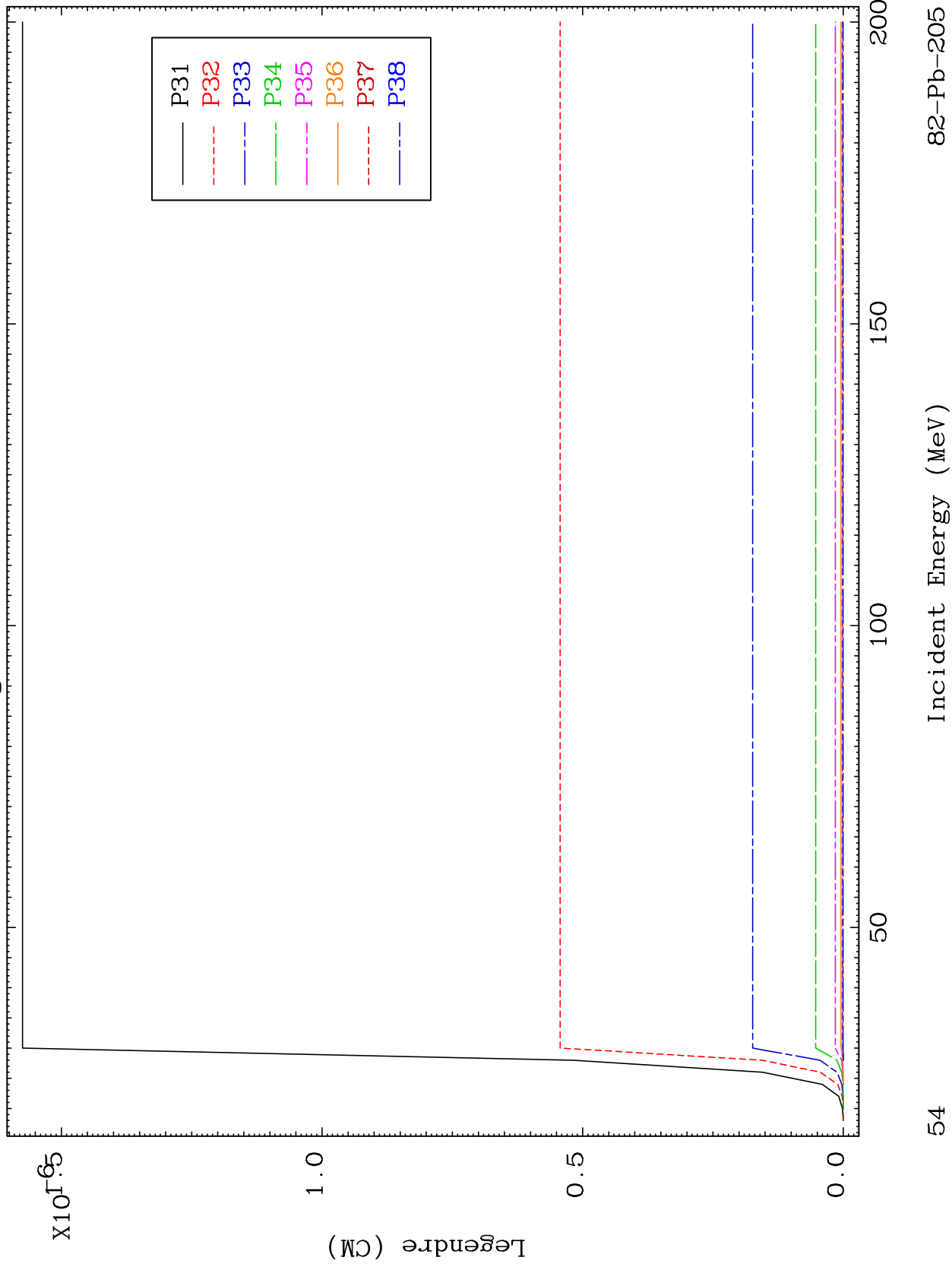
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

82-Pb-205

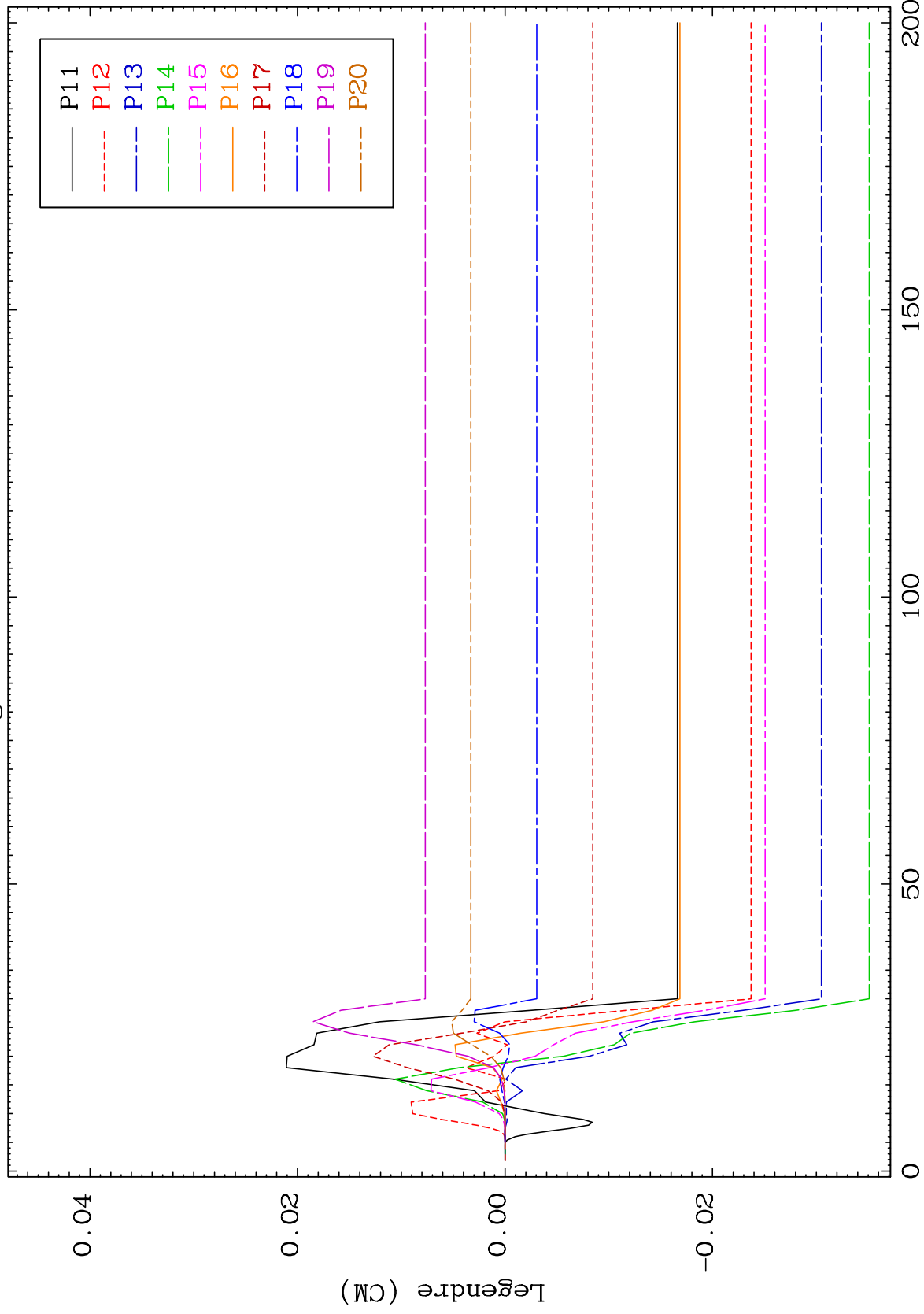




MAT 8228

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

82-Pb-205



56

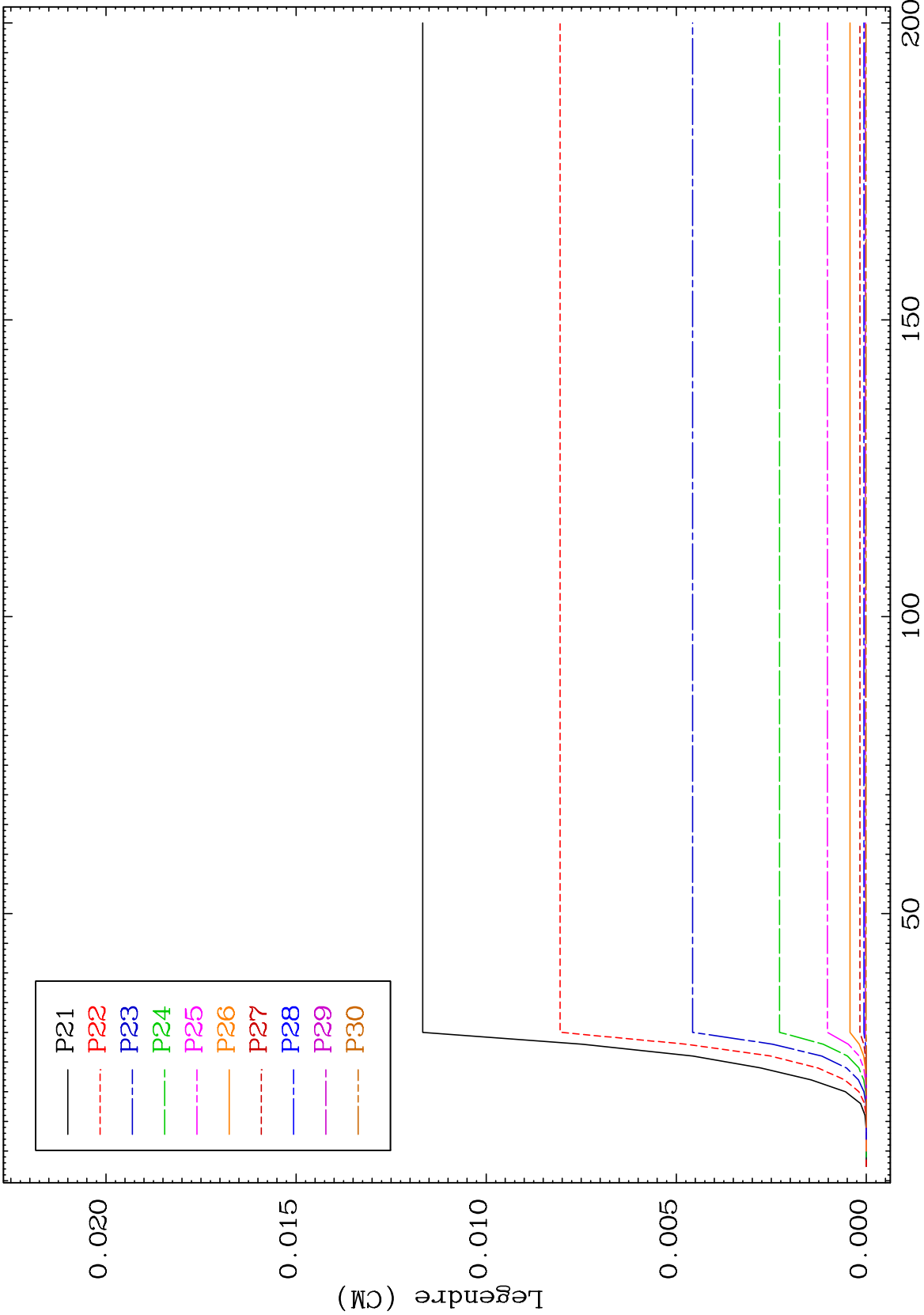
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

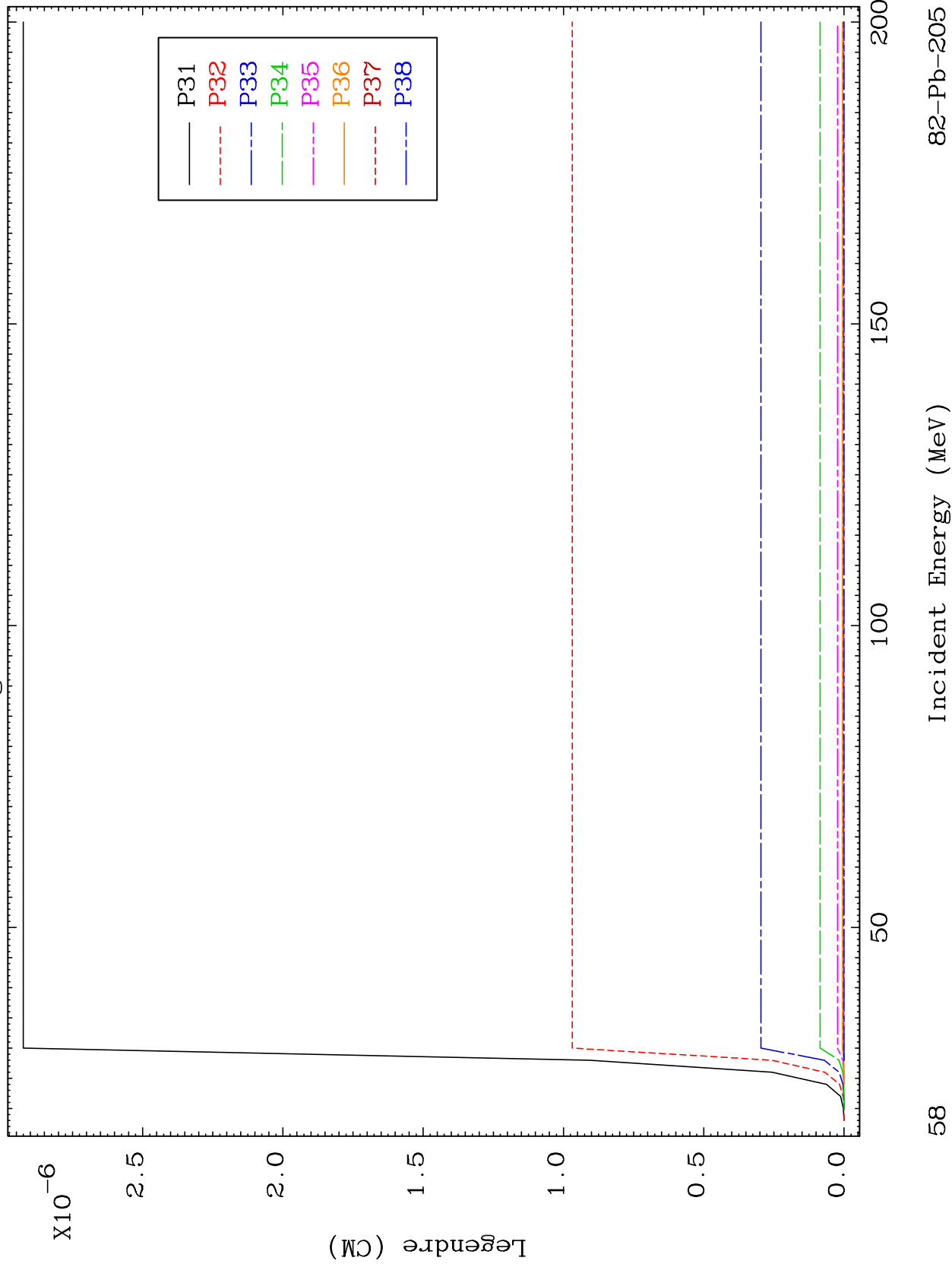
82-Pb-205



MAT 8228

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

82-Pb-205

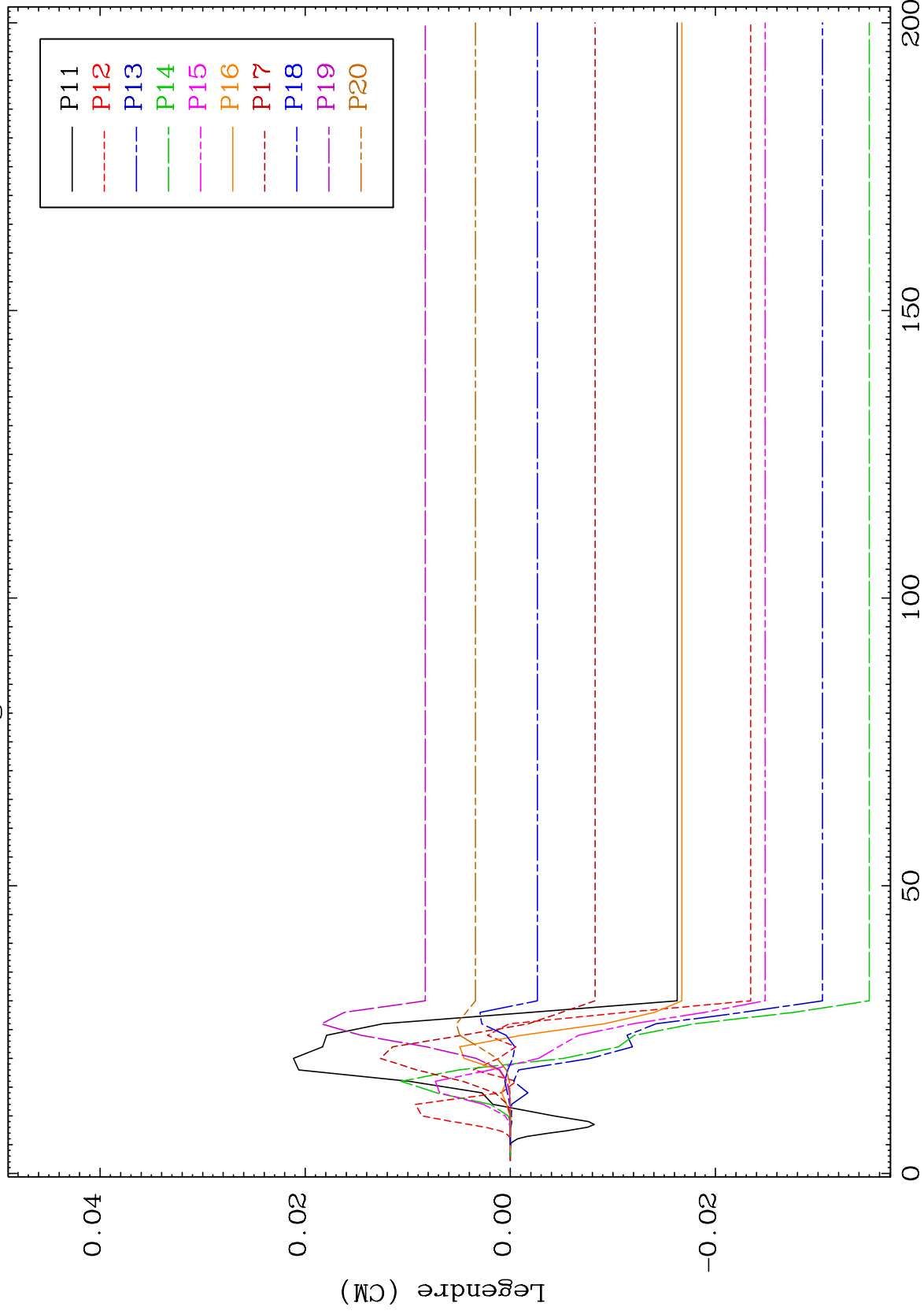




MAT 8228

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

82-Pb-205



82-Pb-205

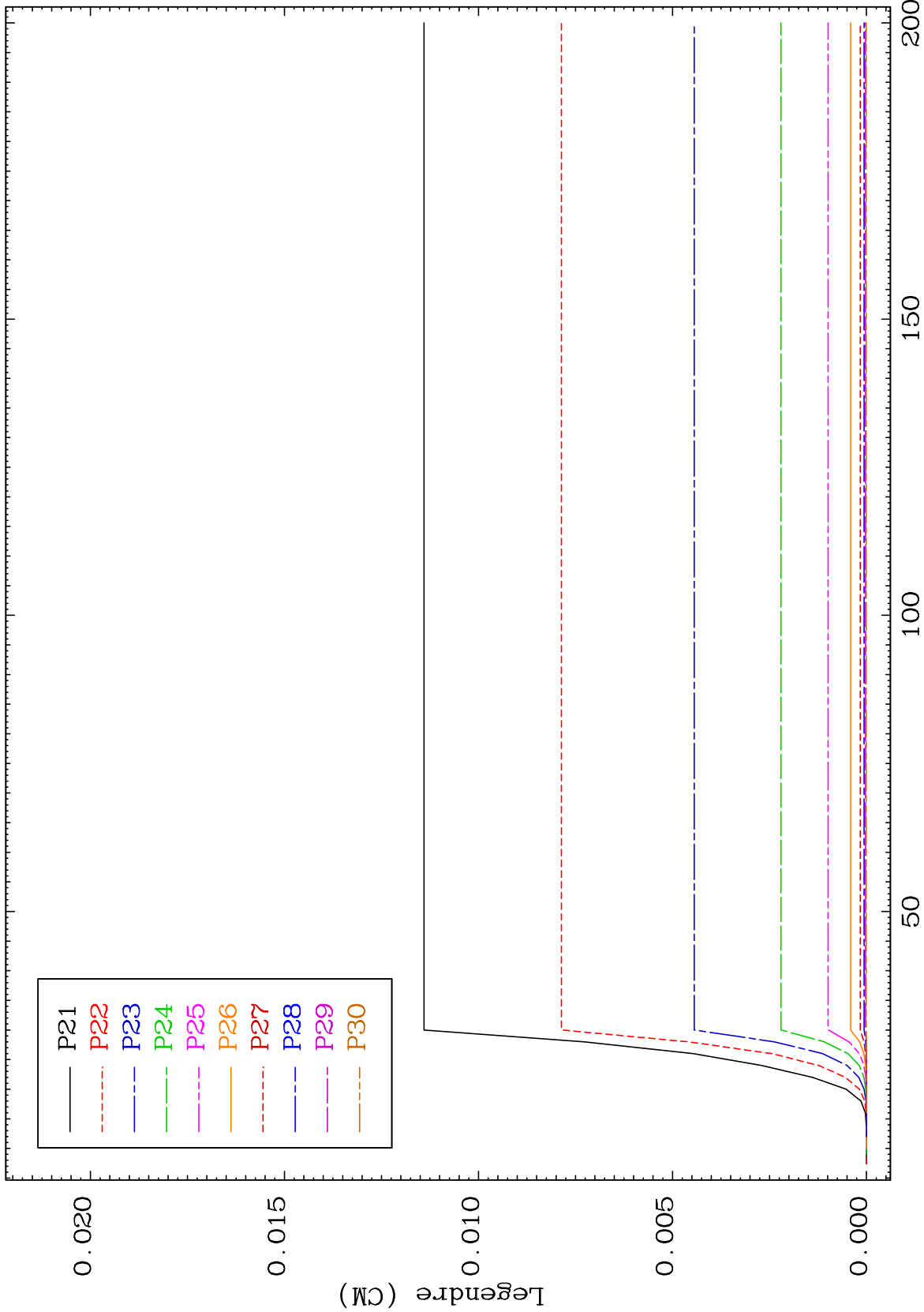
Incident Energy (MeV)

60

MAT 8228

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

82-Pb-205



61

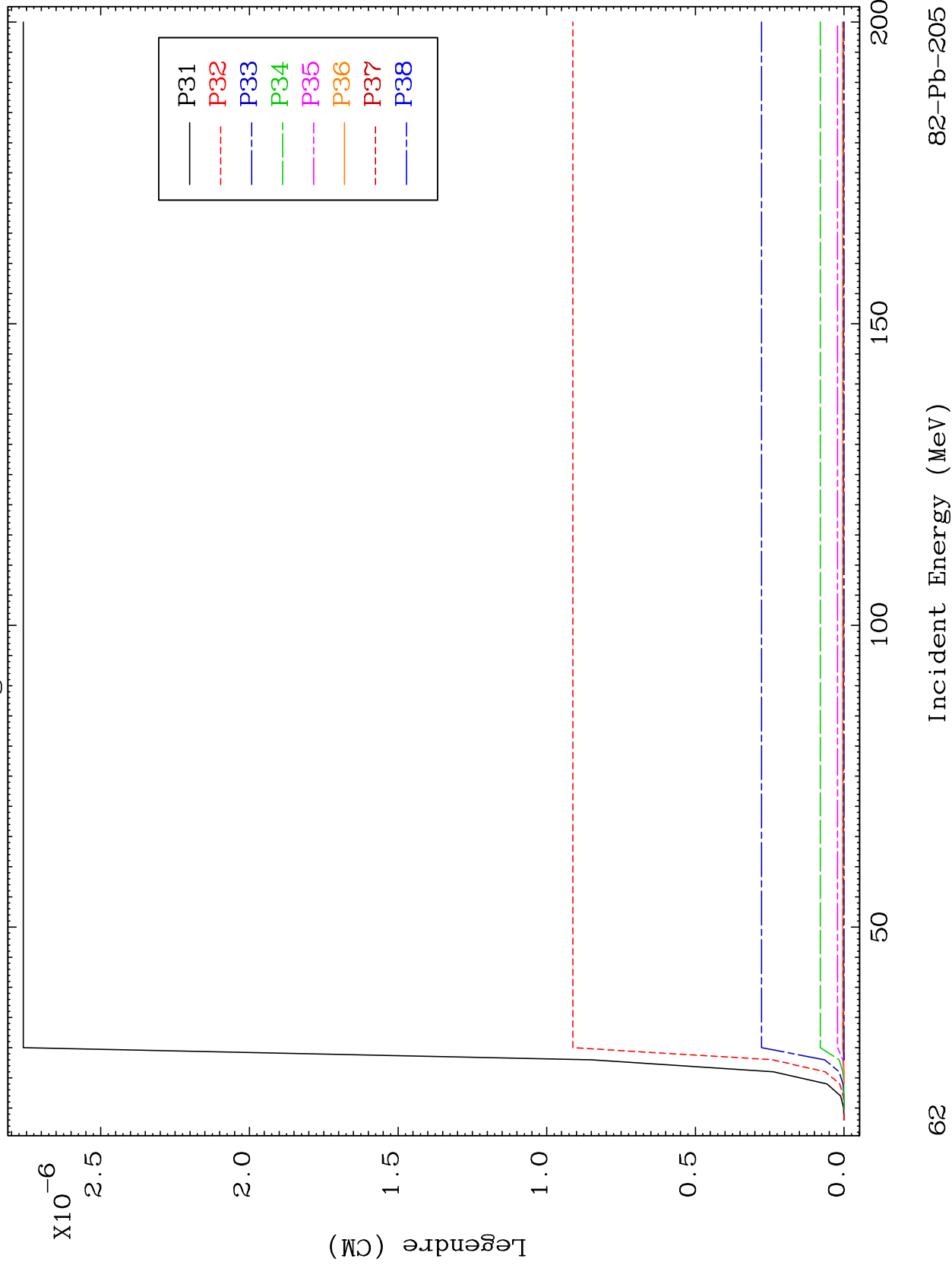
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

82-Pb-205



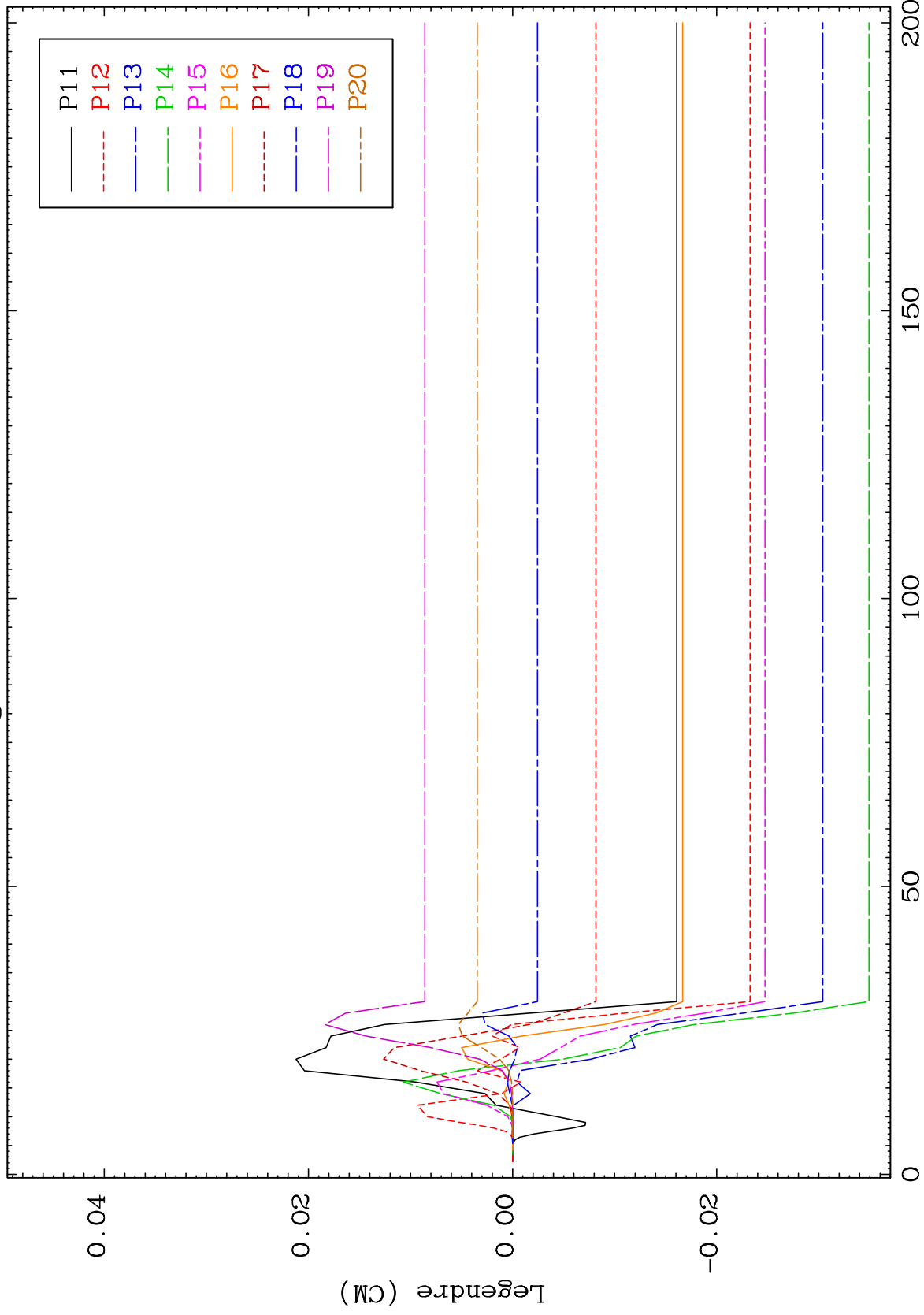
62



MAT 8228

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

82-Pb-205



64

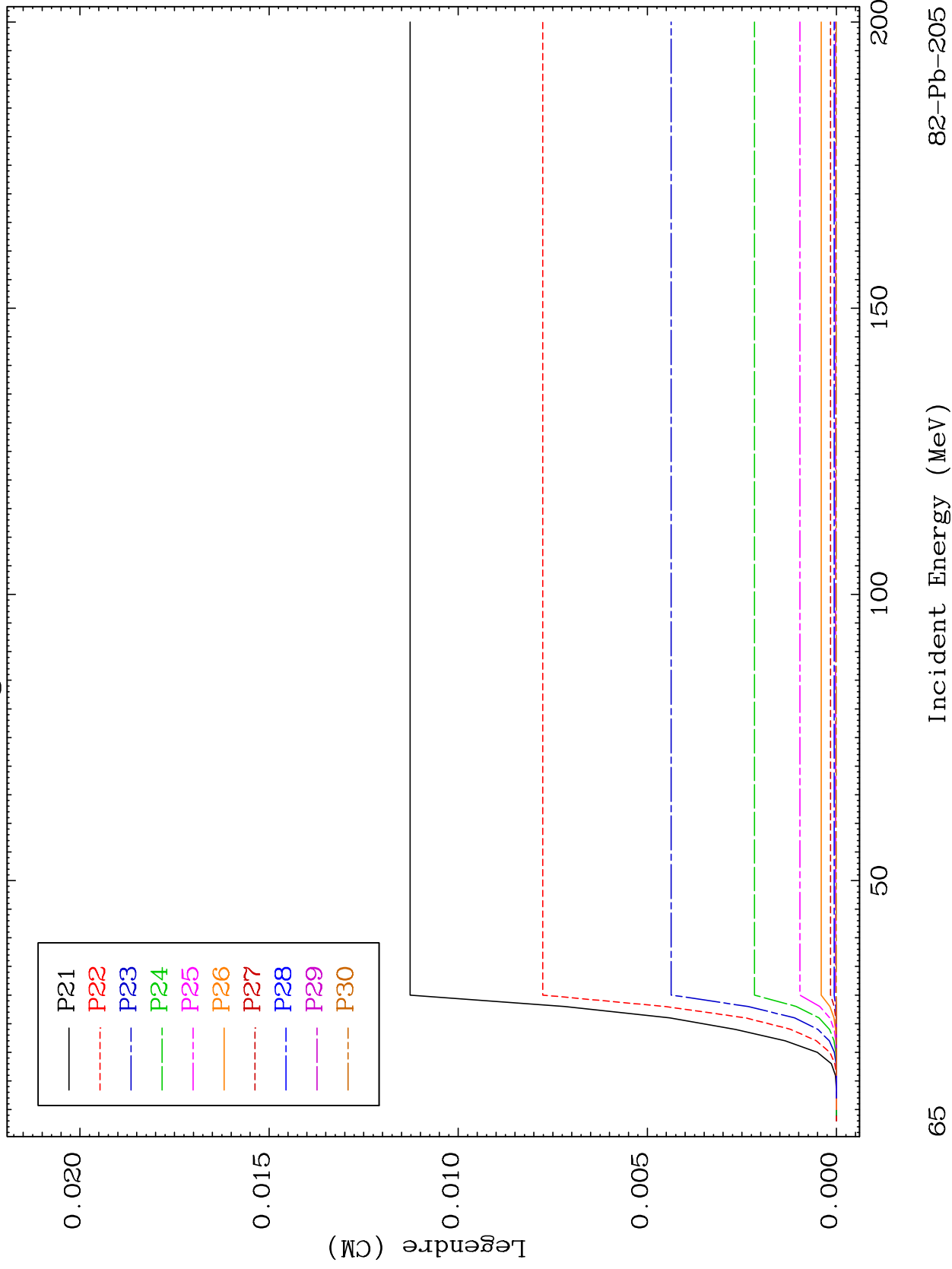
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

82-Pb-205



65

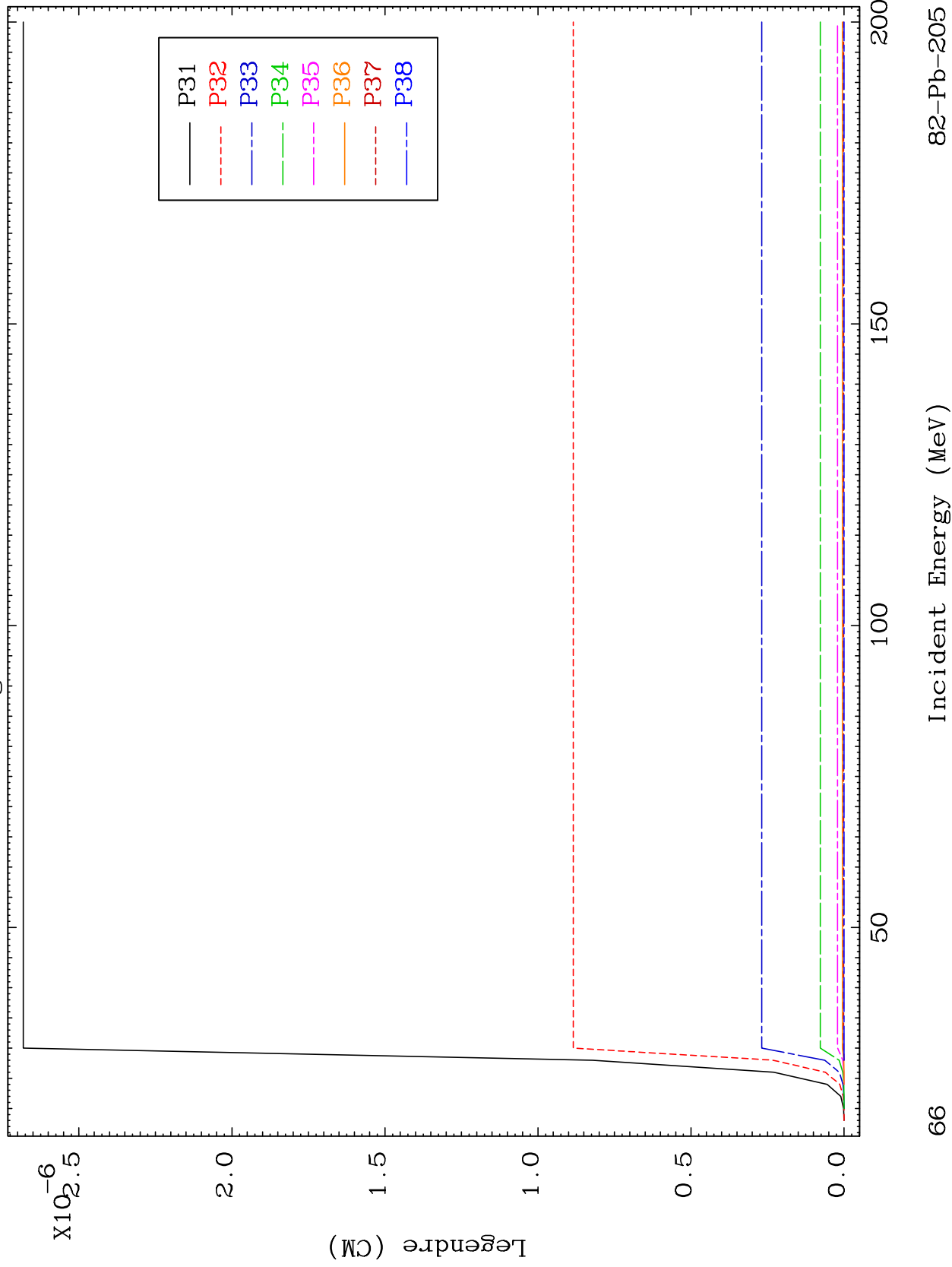
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

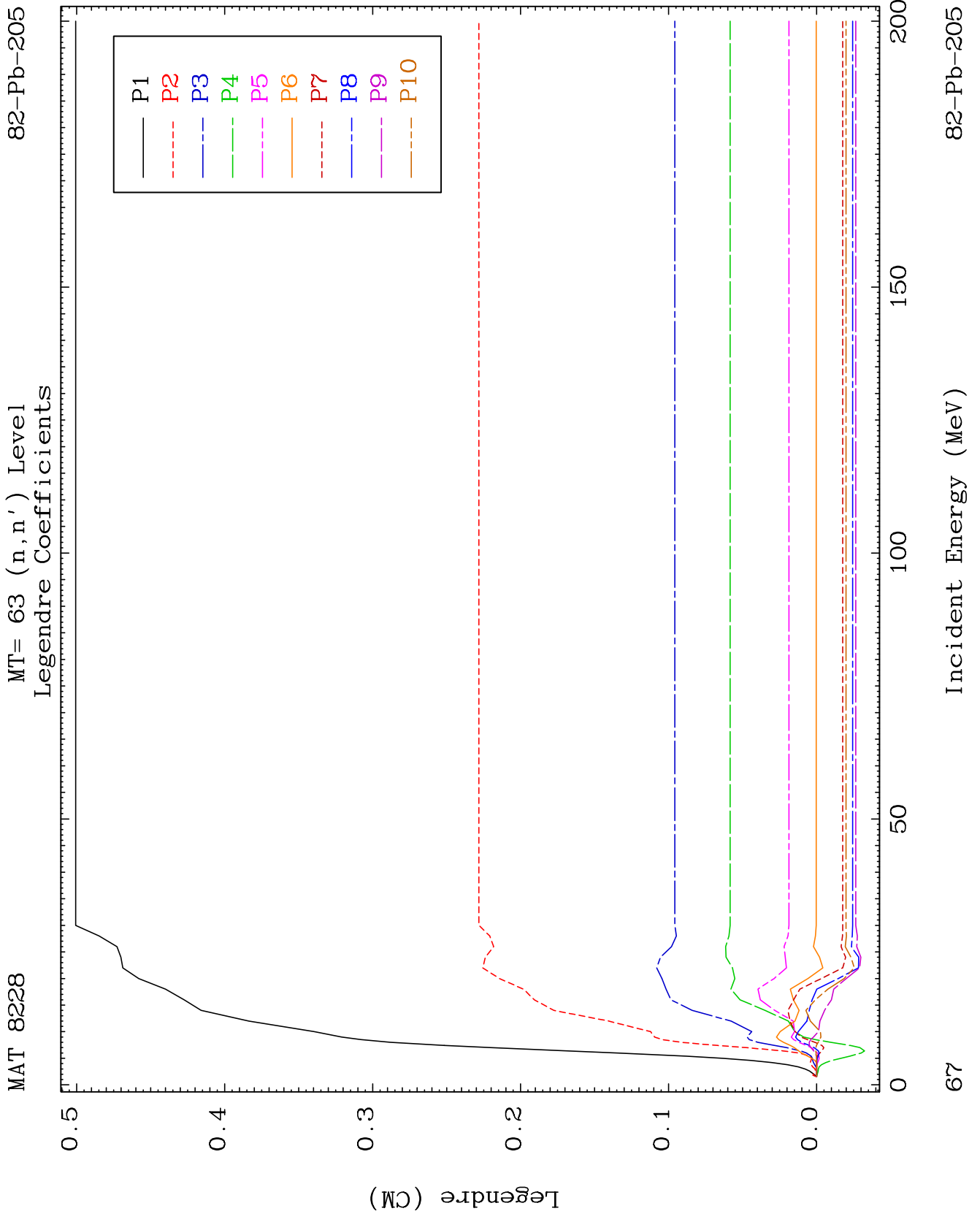
82-Pb-205



66

Incident Energy (MeV)

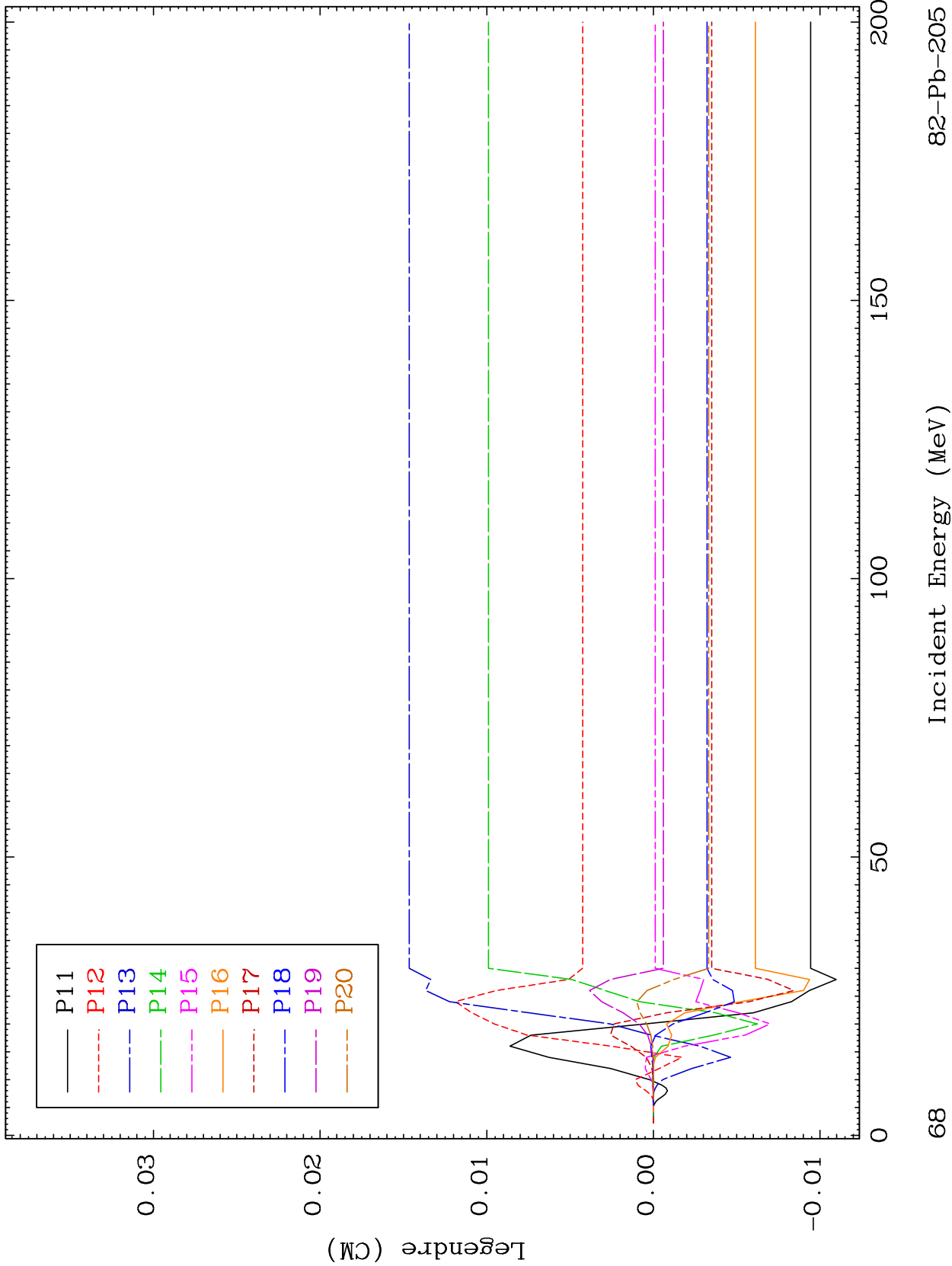
82-Pb-205



MAT 8228

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

82-Pb-205



68

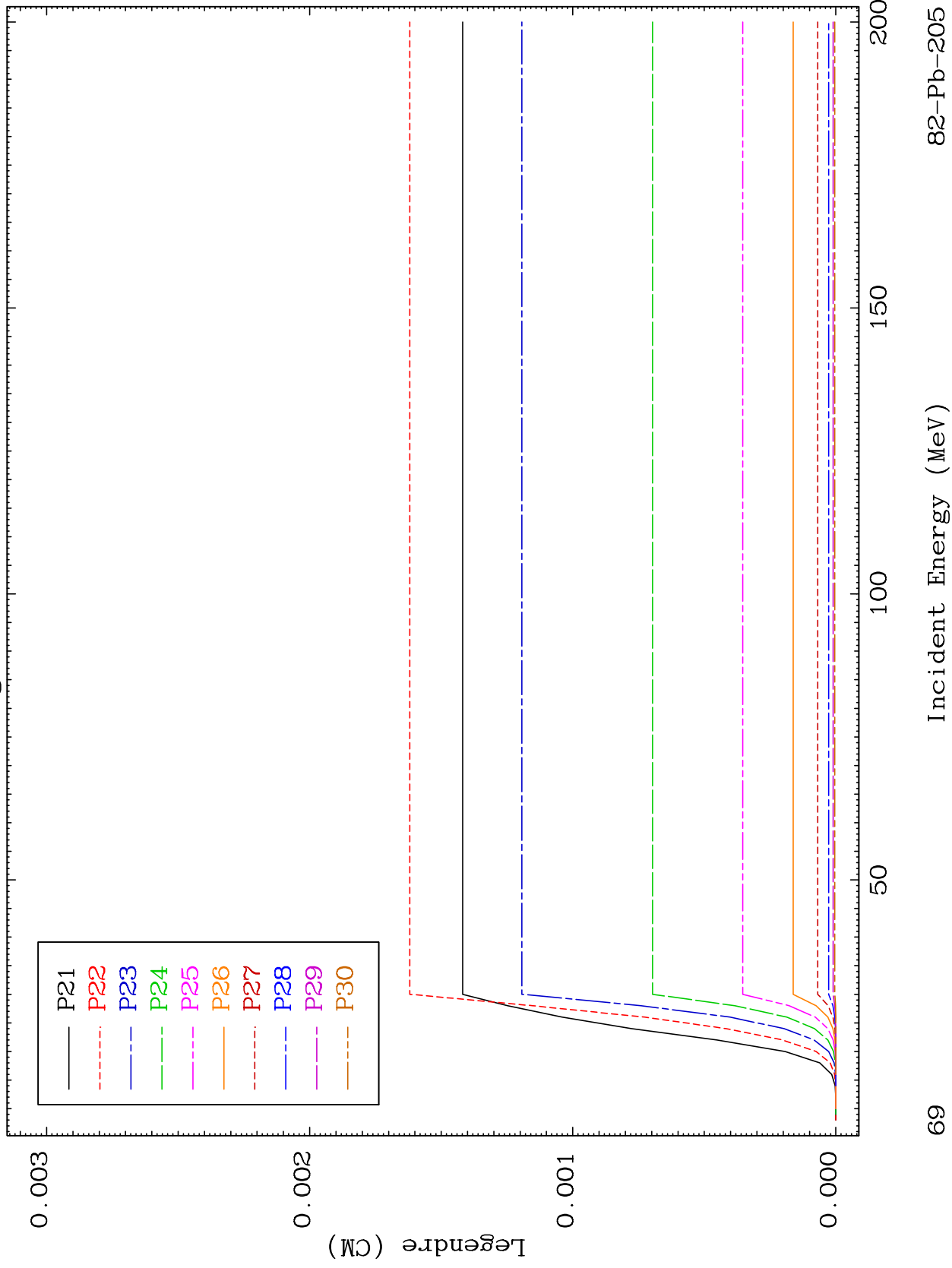
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

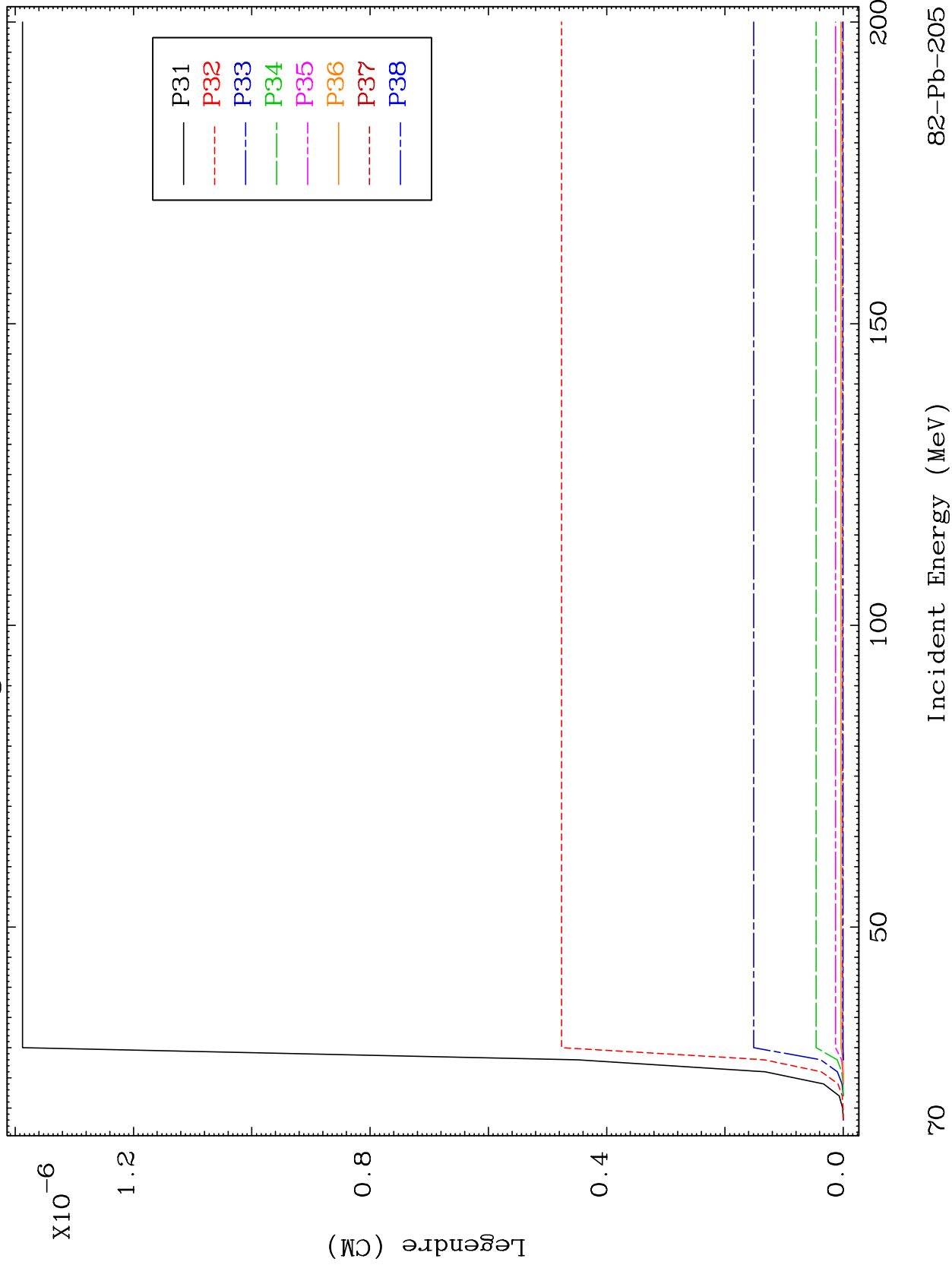
82-Pb-205



MAT 8228

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

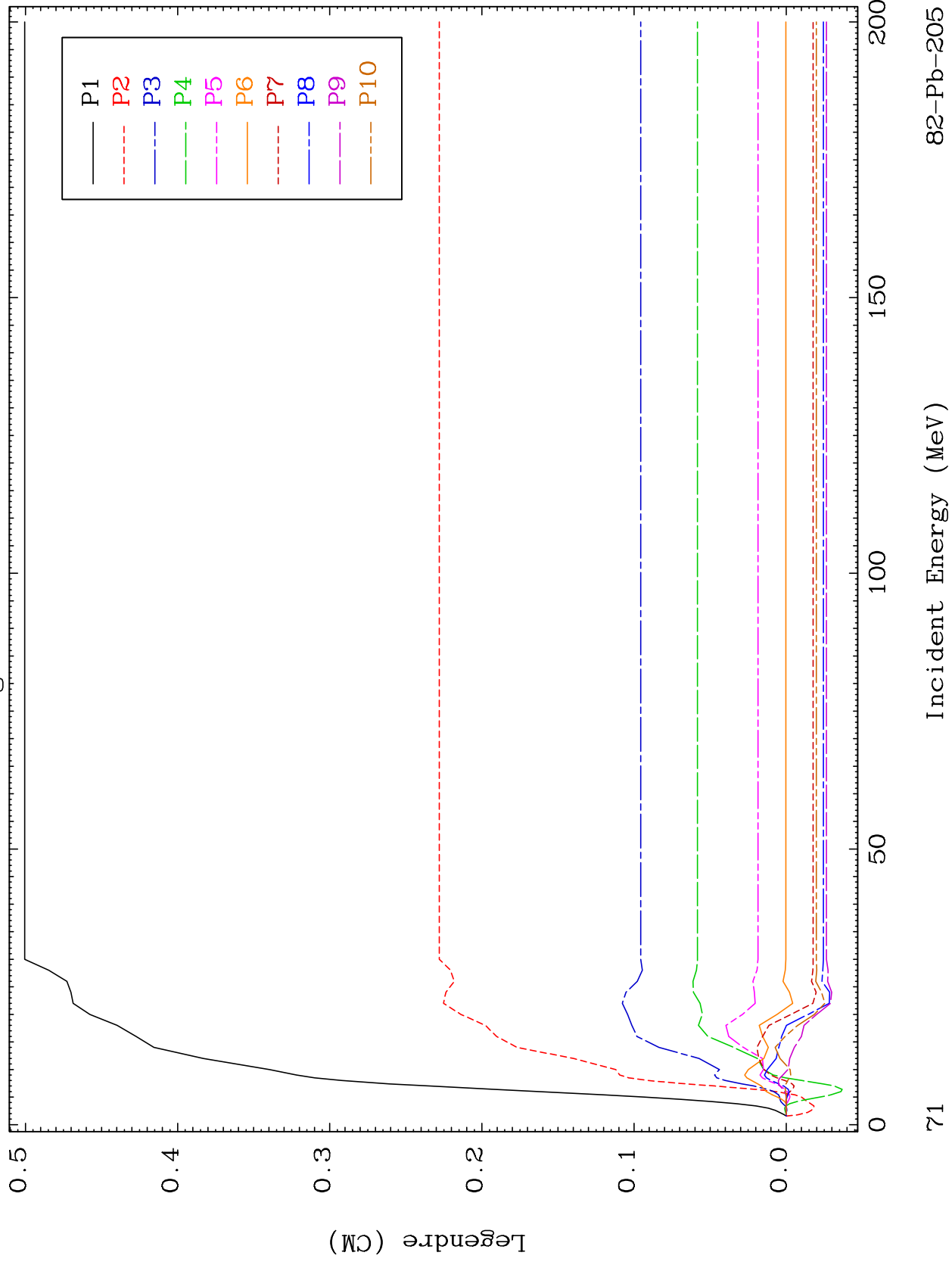
82-Pb-205



MAT 8228

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

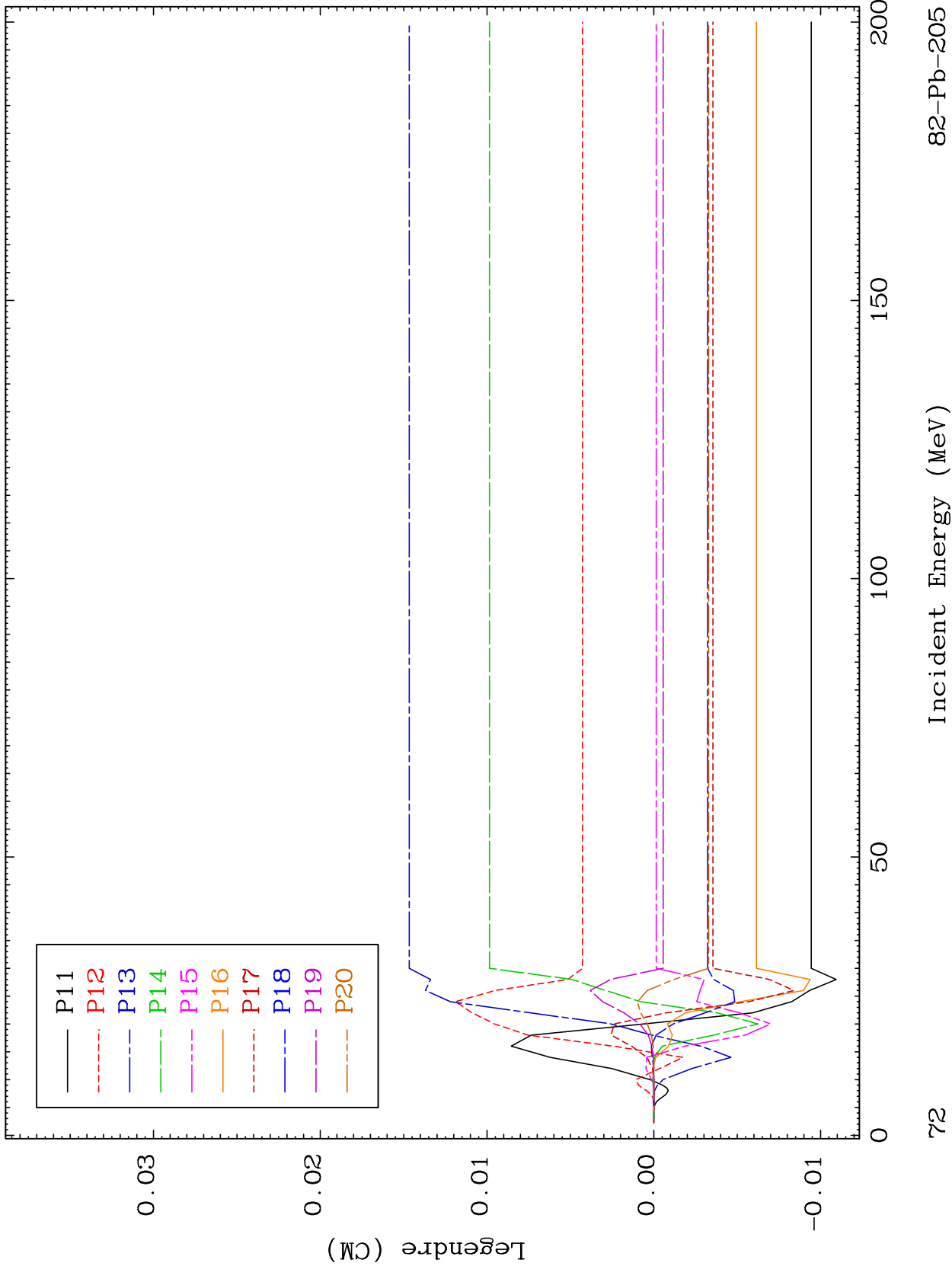
82-Pb-205



MAT 8228

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

82-Pb-205



72

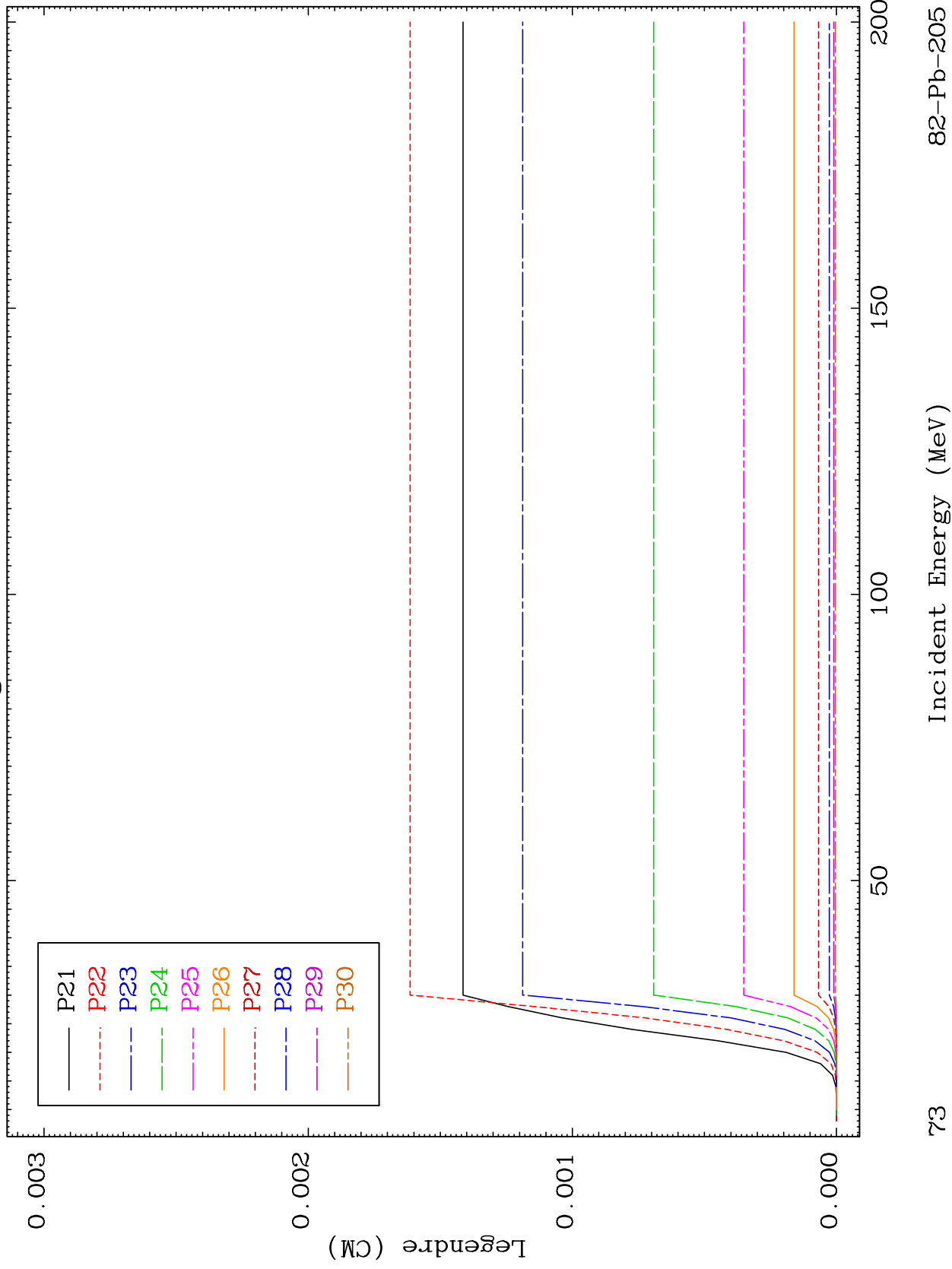
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

82-Pb-205



73

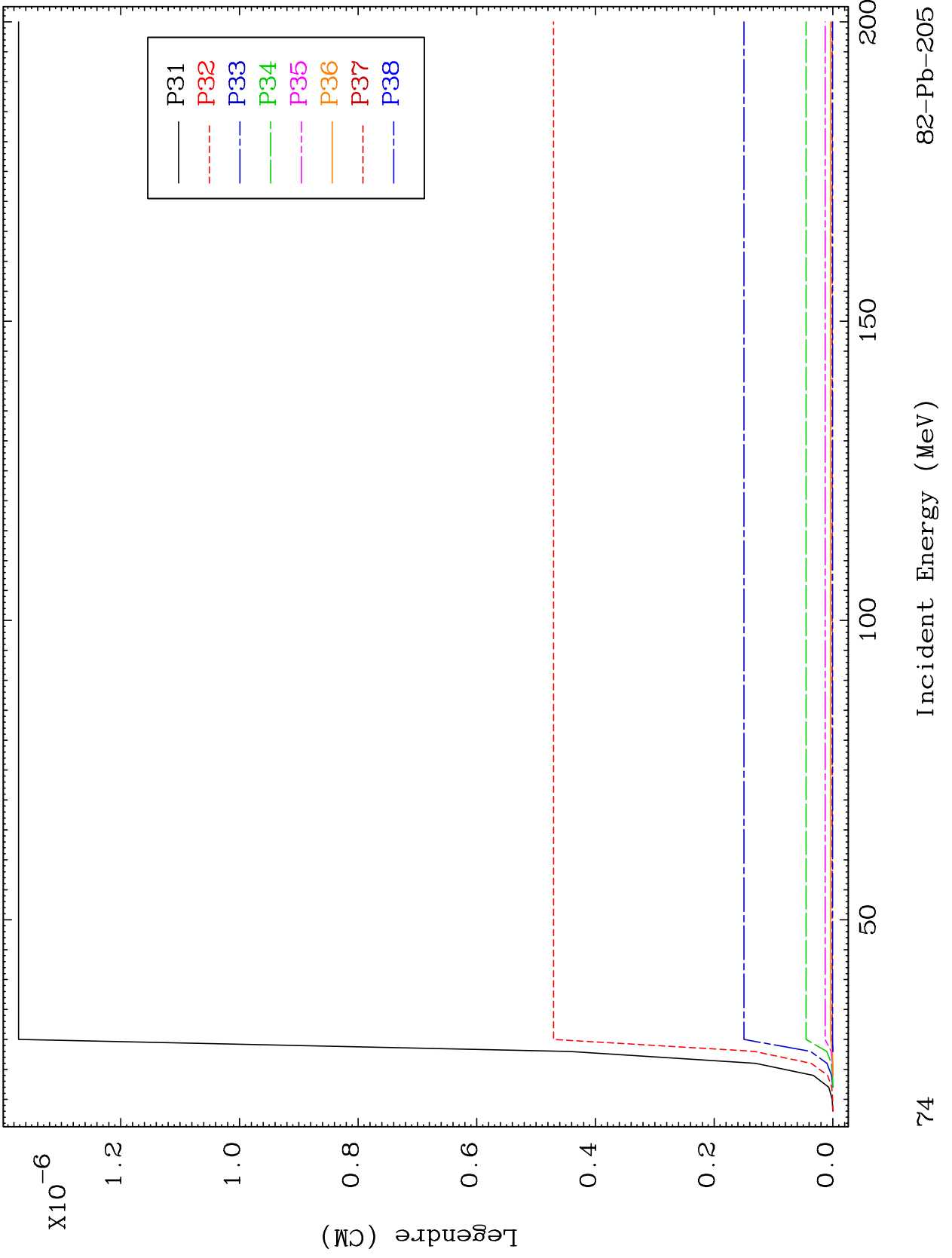
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

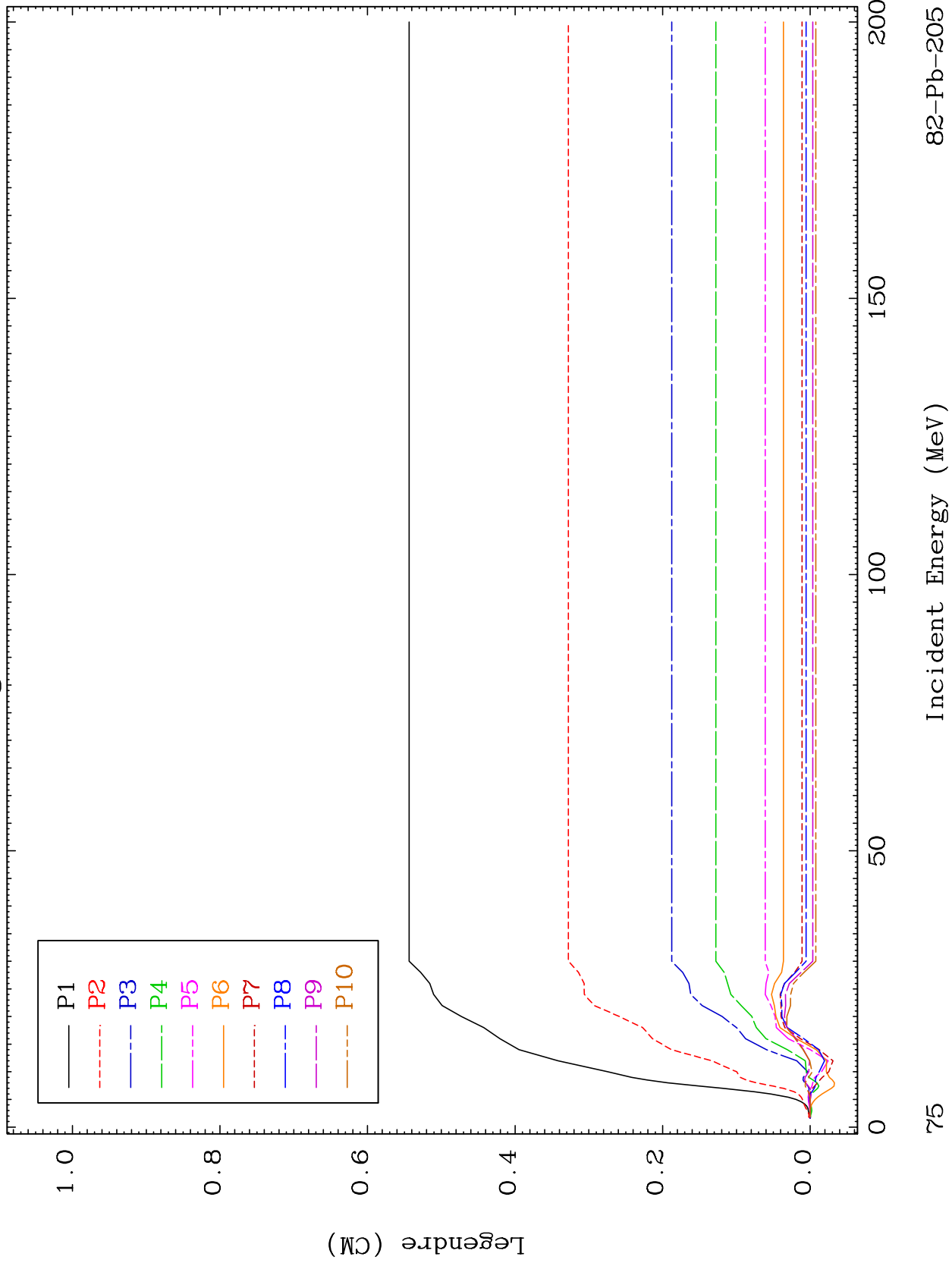
82-Pb-205



MAT 8228

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

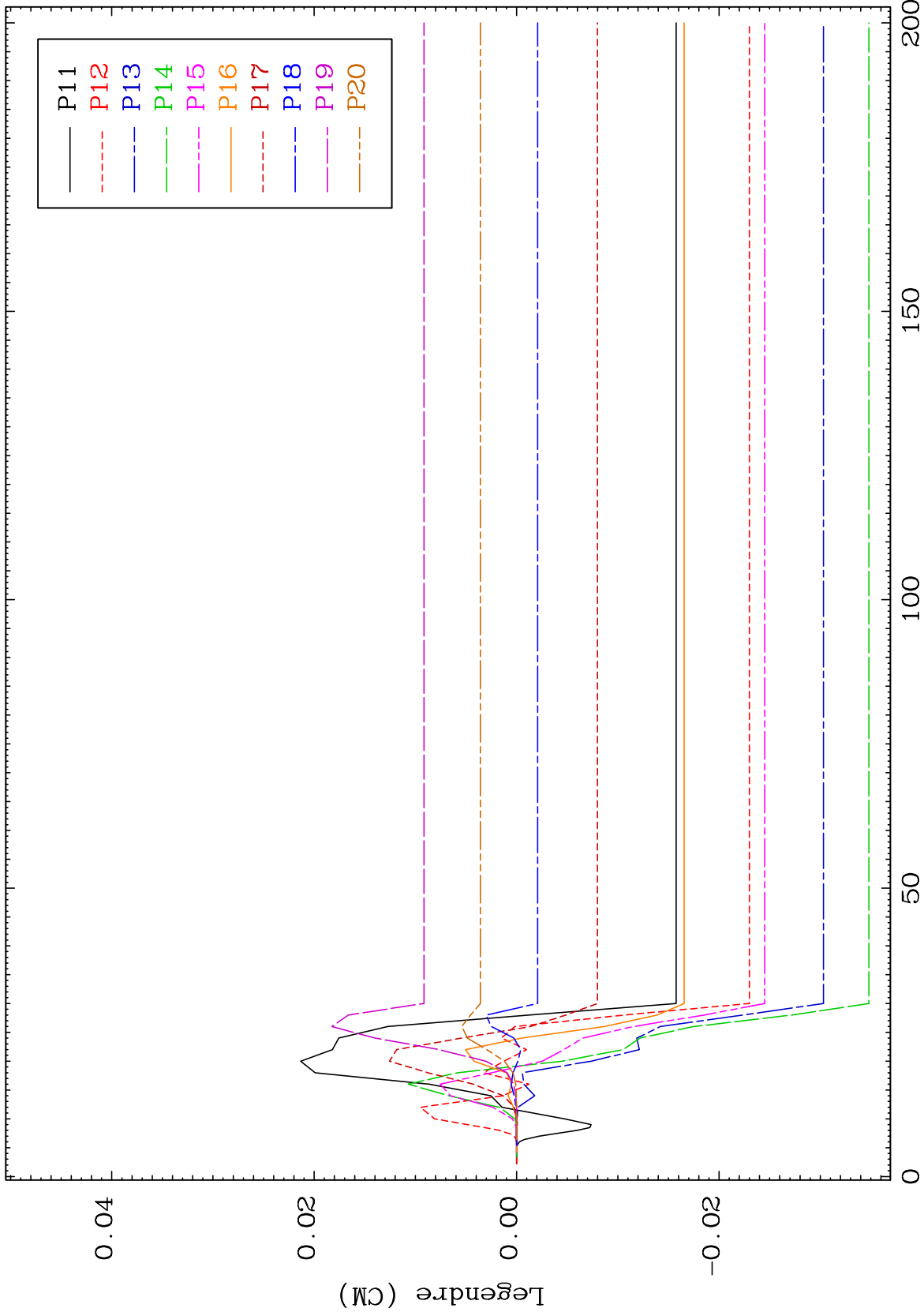
82-Pb-205



MAT 8228

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

82-Pb-205



76

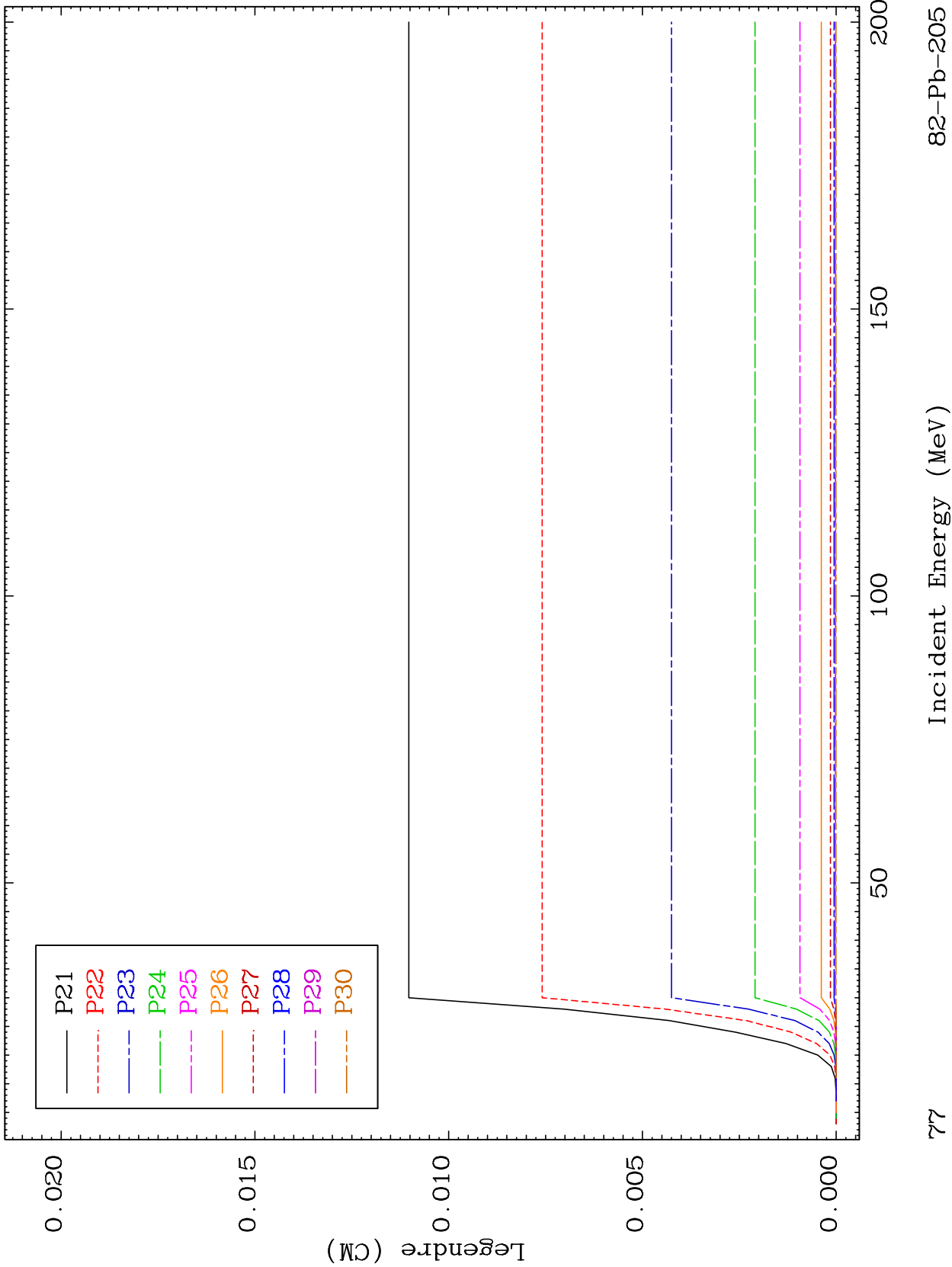
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

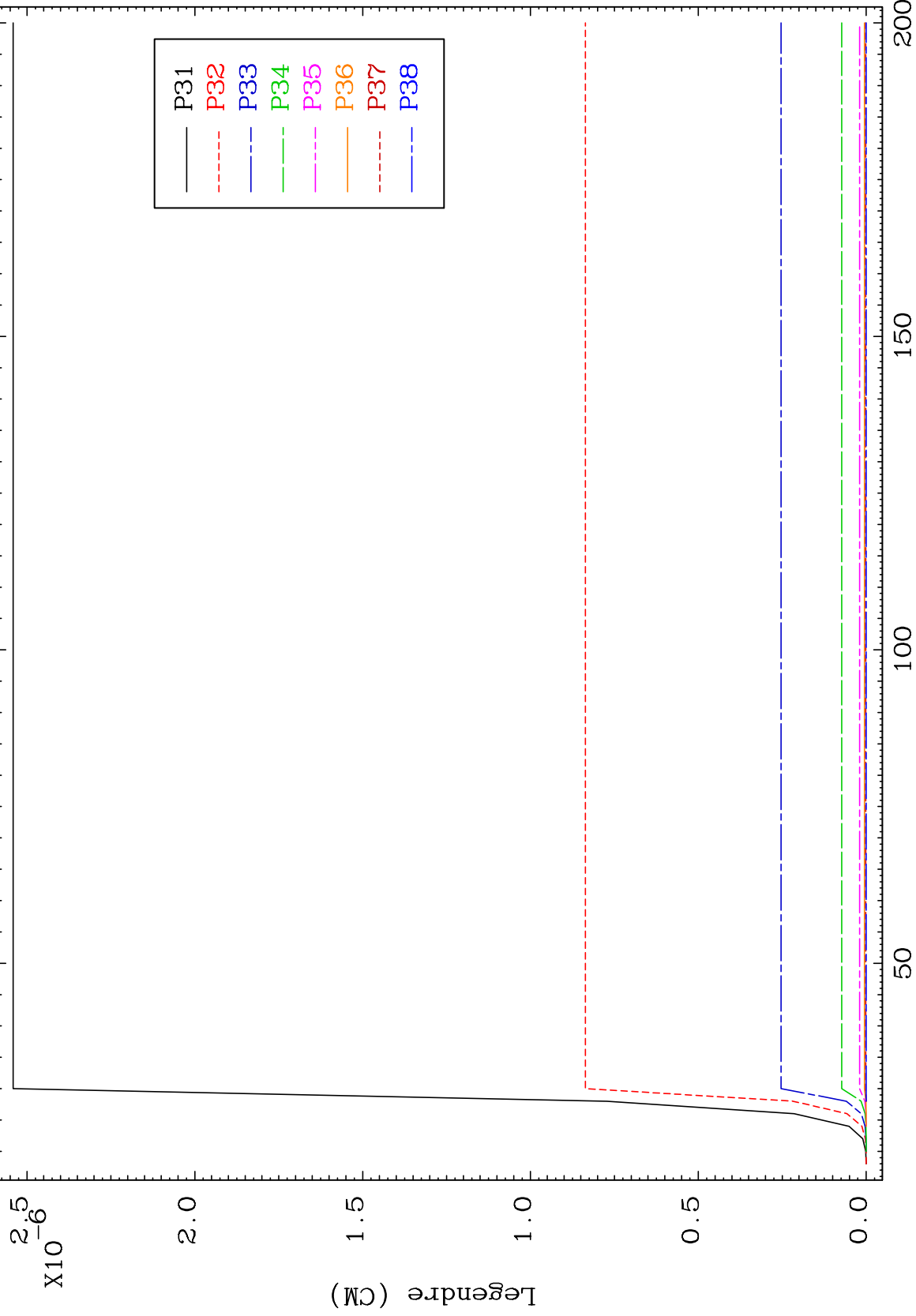
82-Pb-205



MAT 8228

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

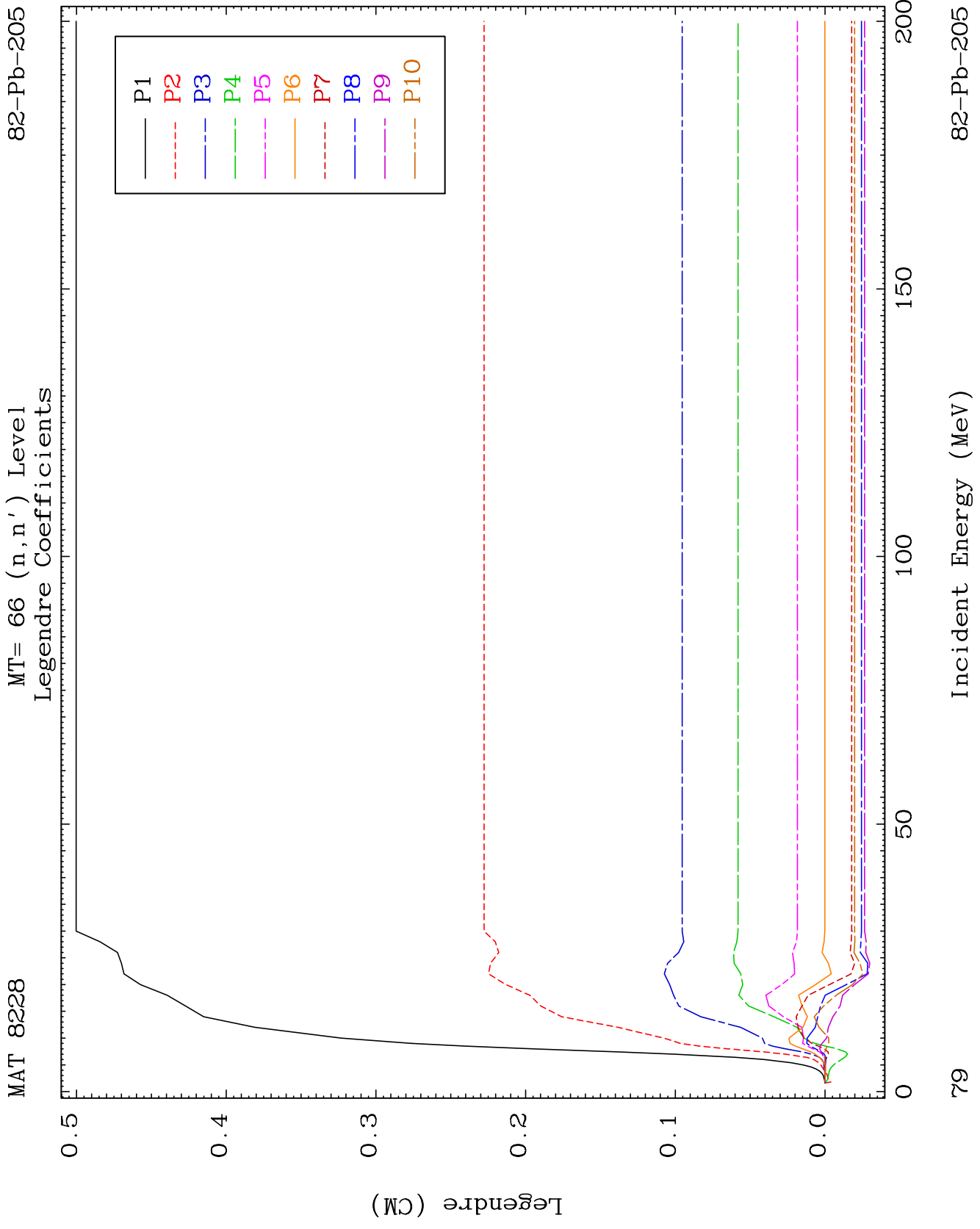
82-Pb-205



78

Incident Energy (MeV)

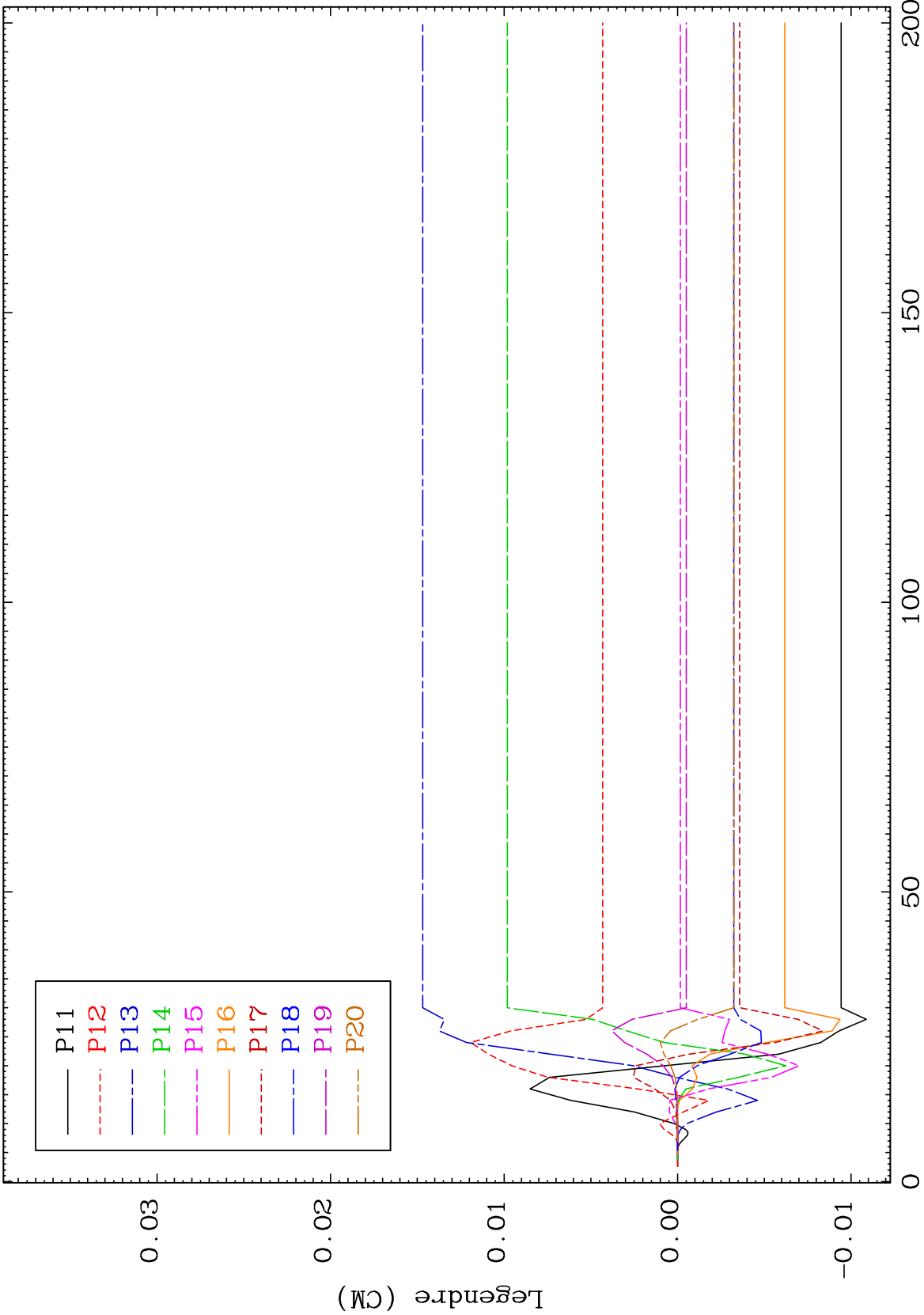
82-Pb-205



MAT 8228

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

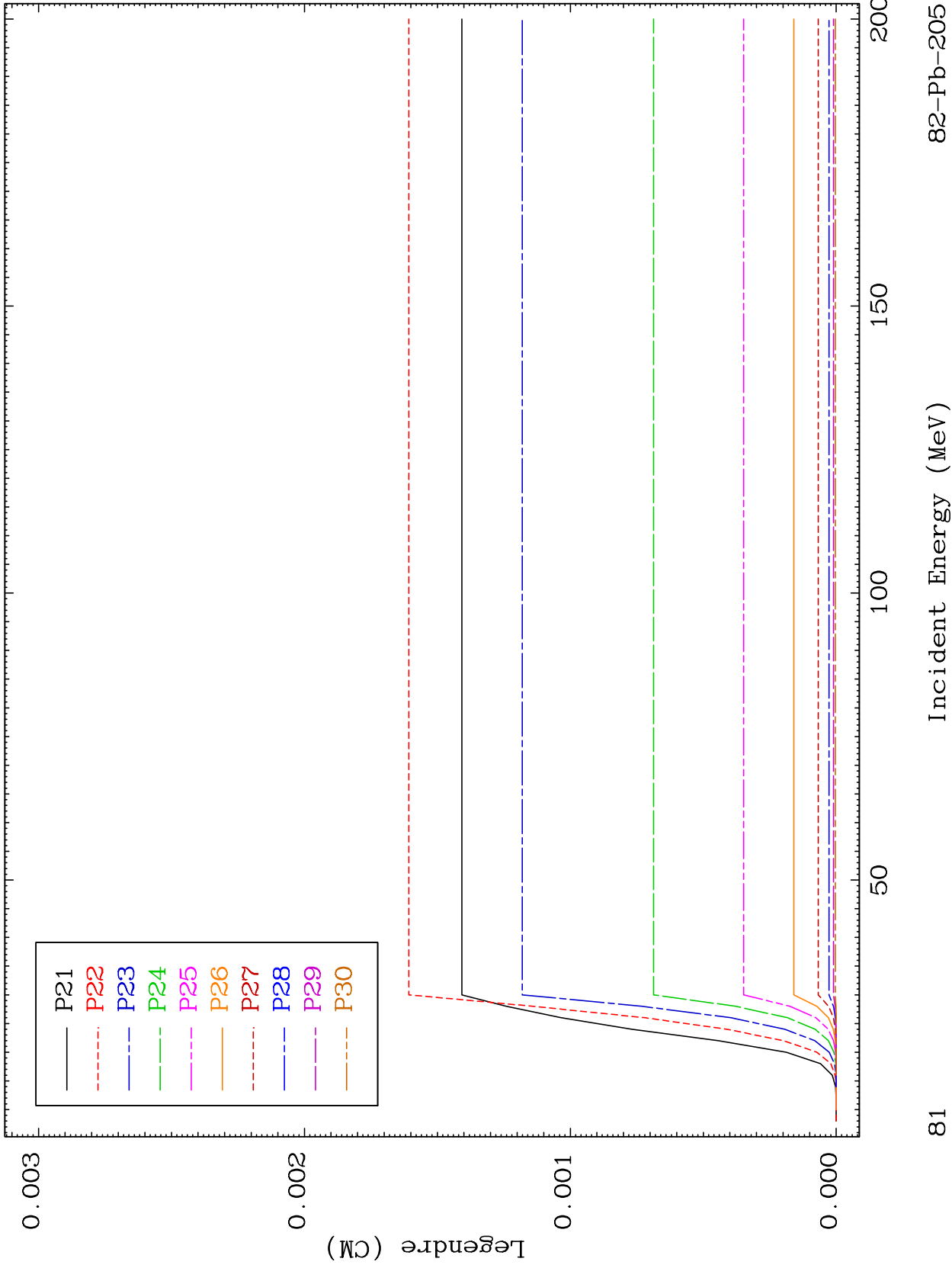
82-Pb-205



80

Incident Energy (MeV)

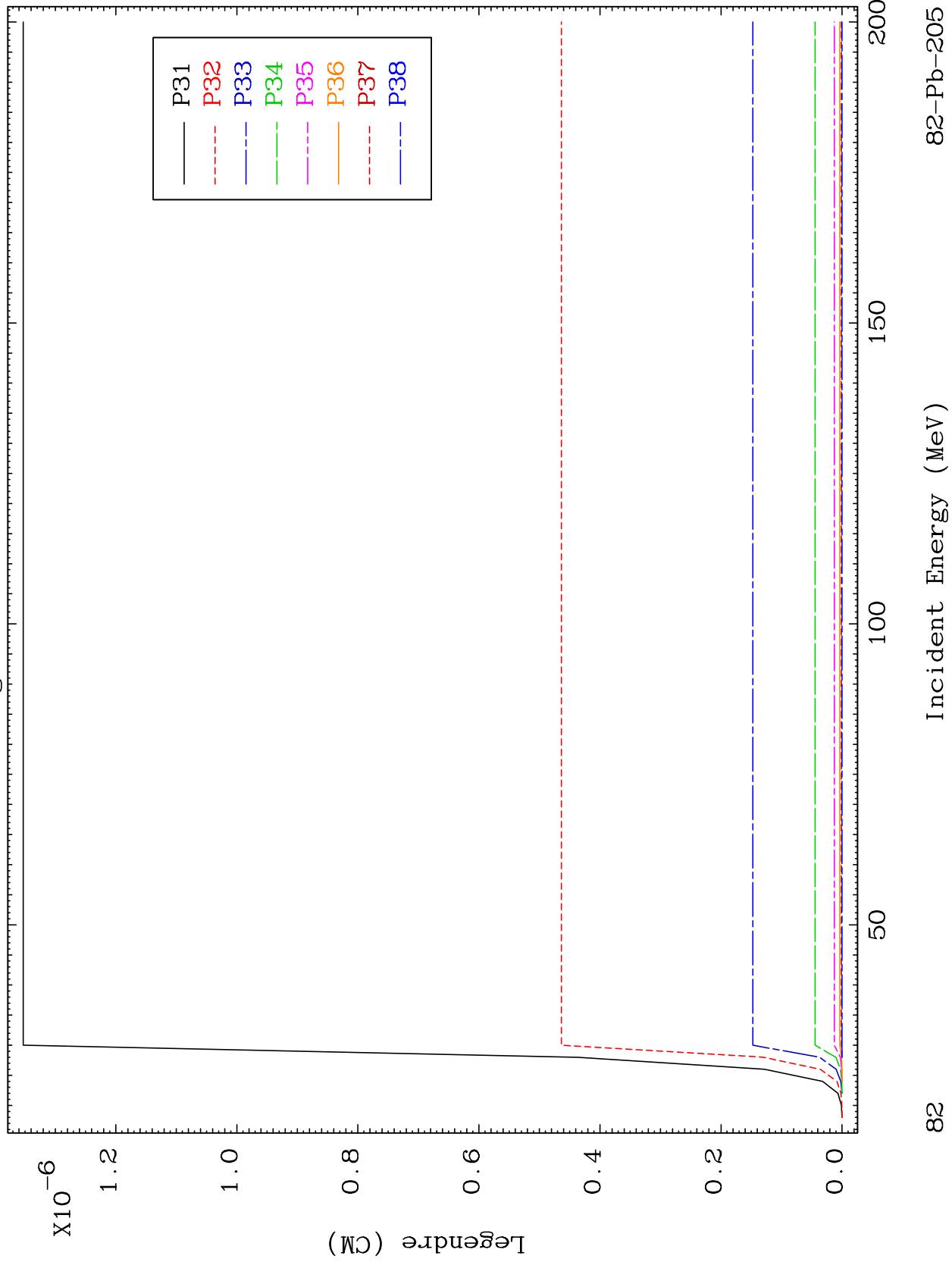
82-Pb-205

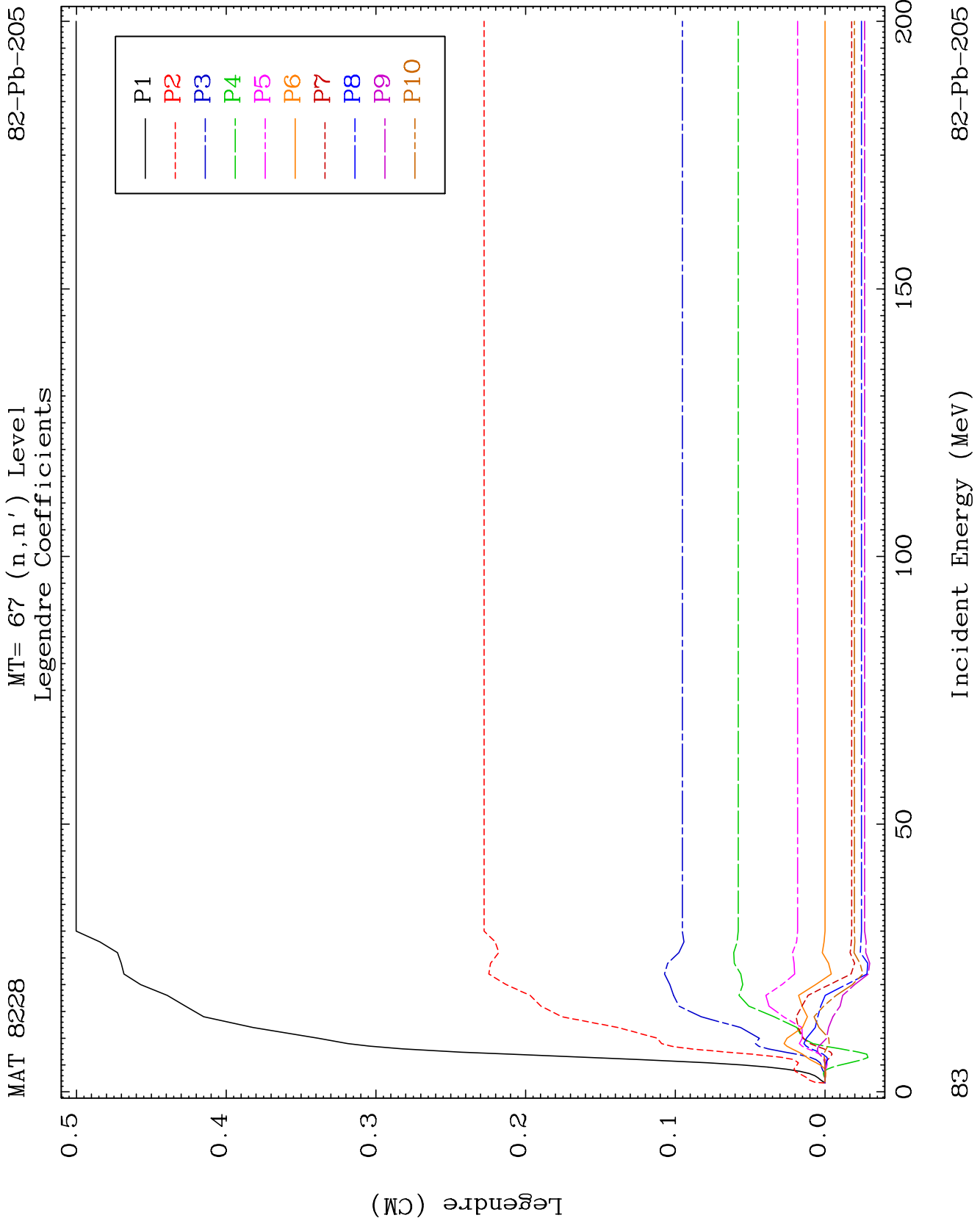


MAT 8228

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

82-Pb-205

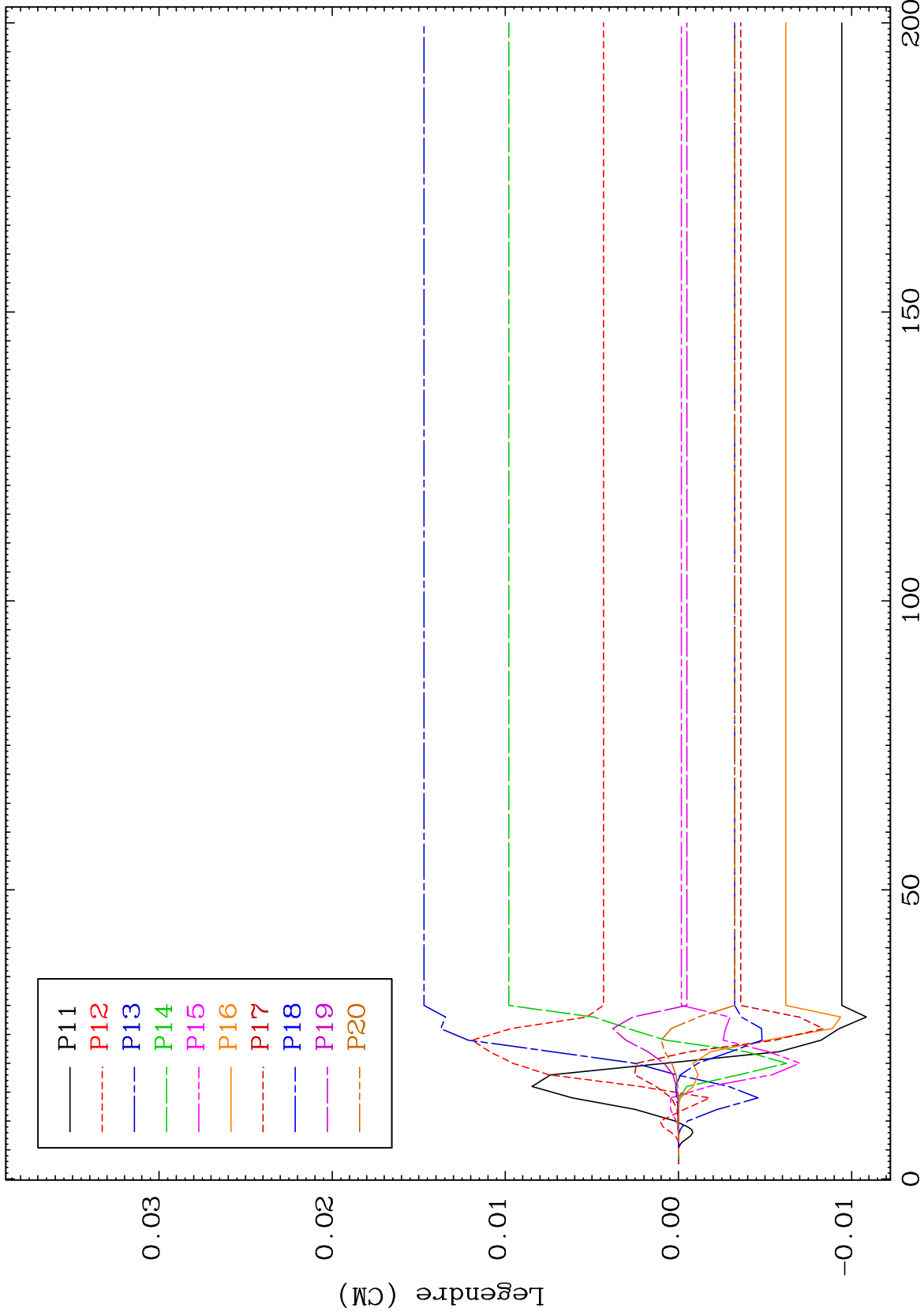




MAT 8228

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

82-Pb-205



84

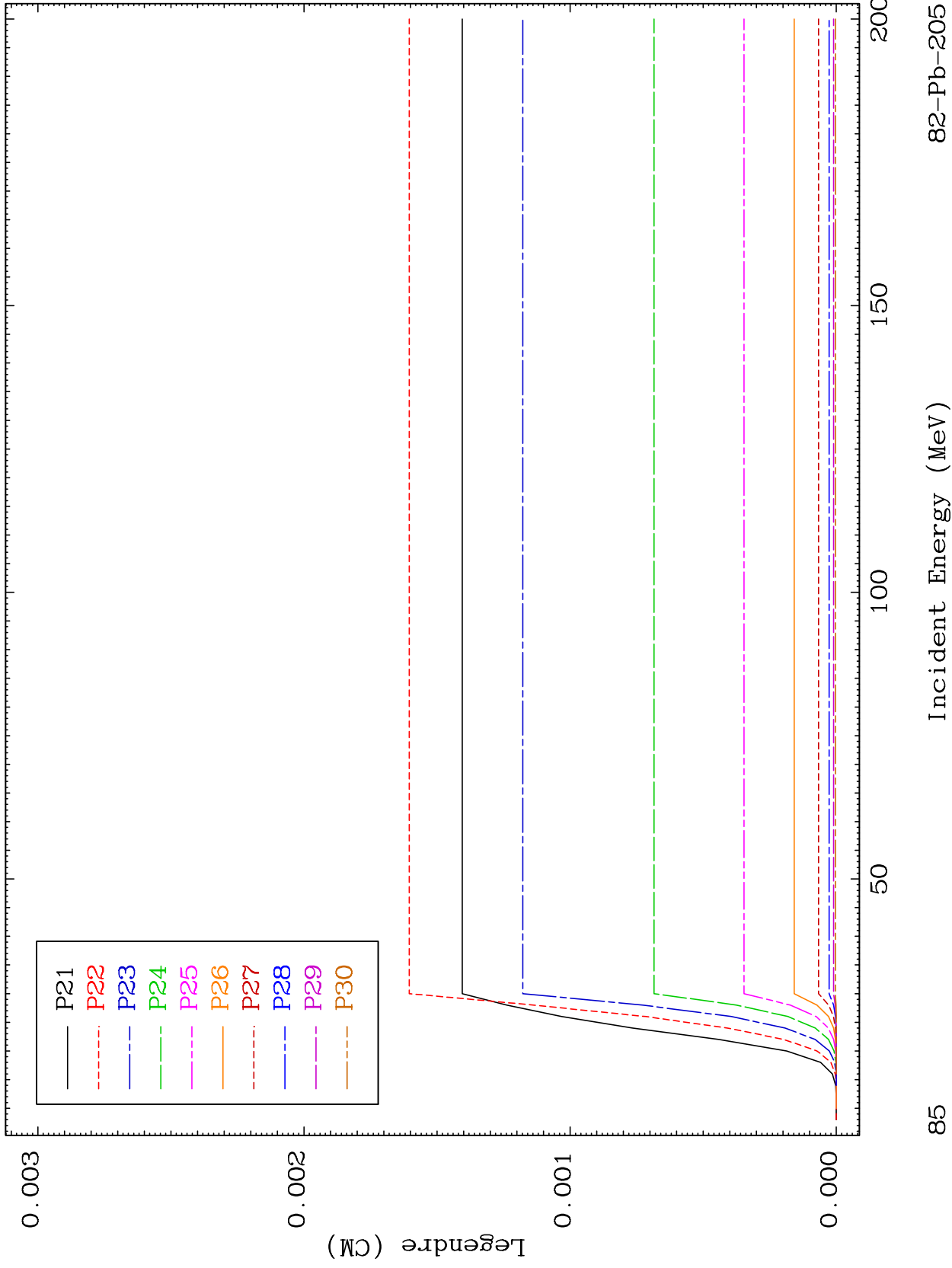
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

82-Pb-205



85

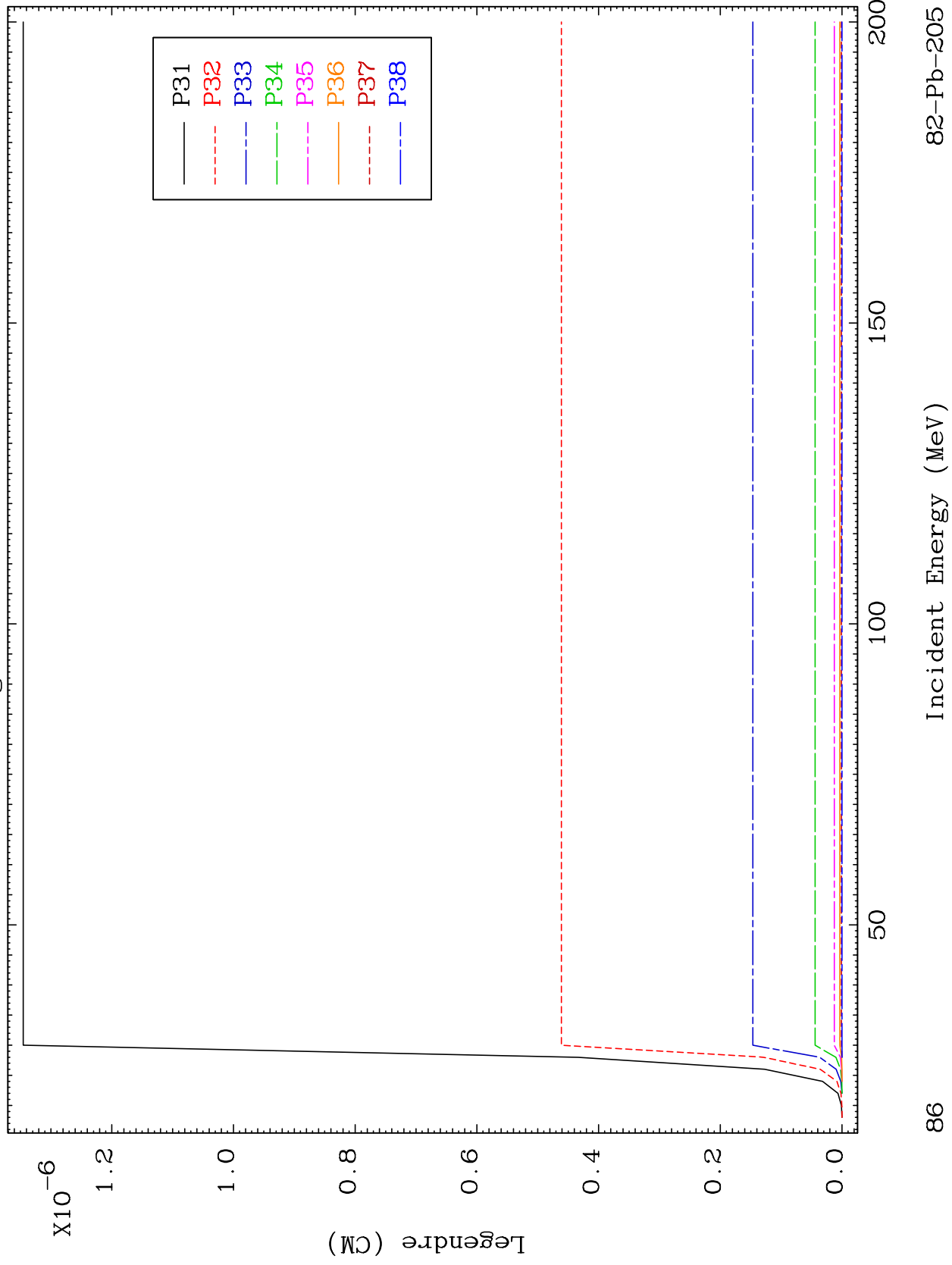
Incident Energy (MeV)

82-Pb-205

MAT 8228

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

82-Pb-205

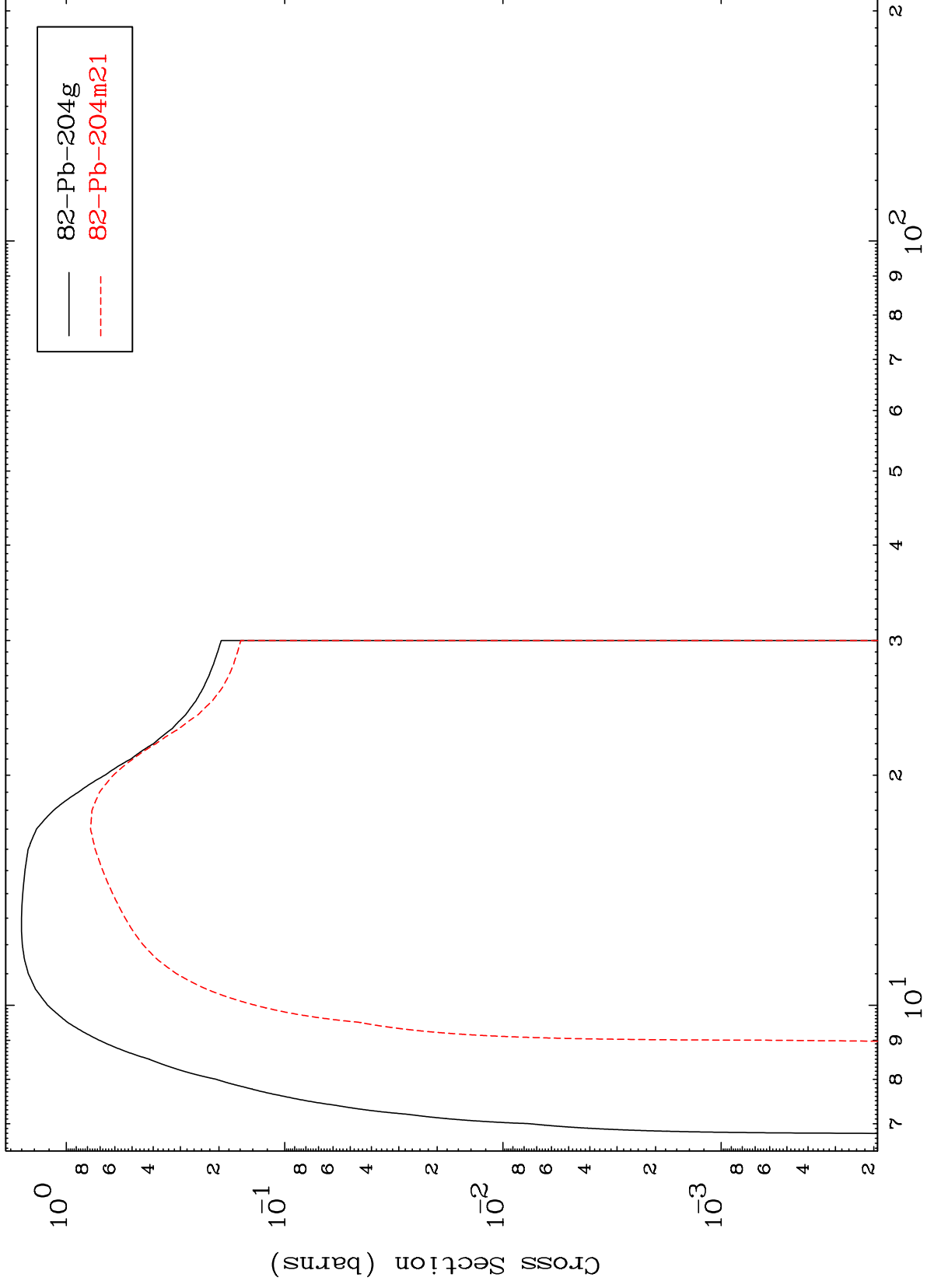


MAT 8228

(n,2n)

82-Pb-205

Radionuclide Production Cross Section



87

Incident Energy (MeV)

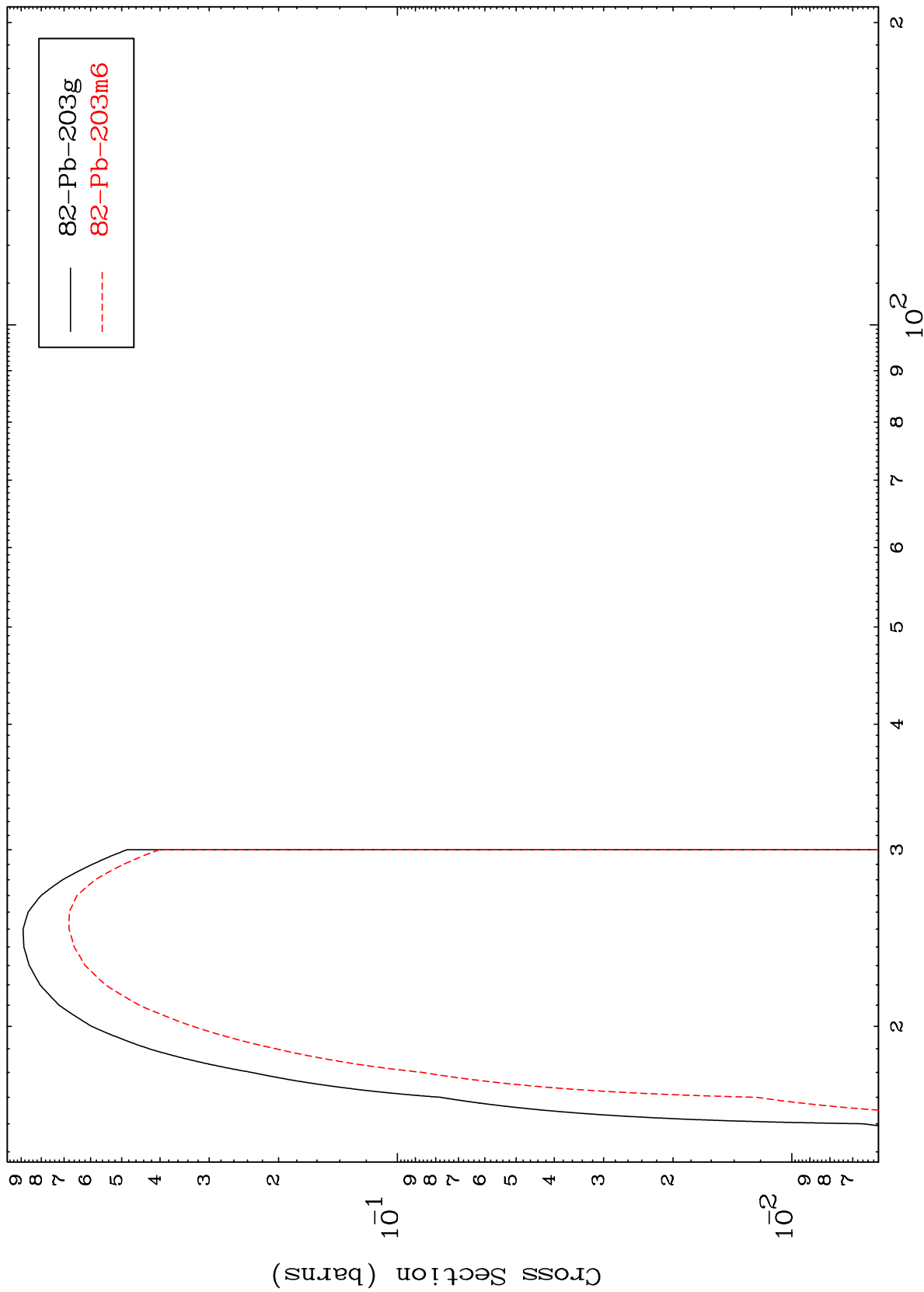
82-Pb-205

MAT 8228

82-Pb-205

(n,3n)

Radionuclide Production Cross Section



88

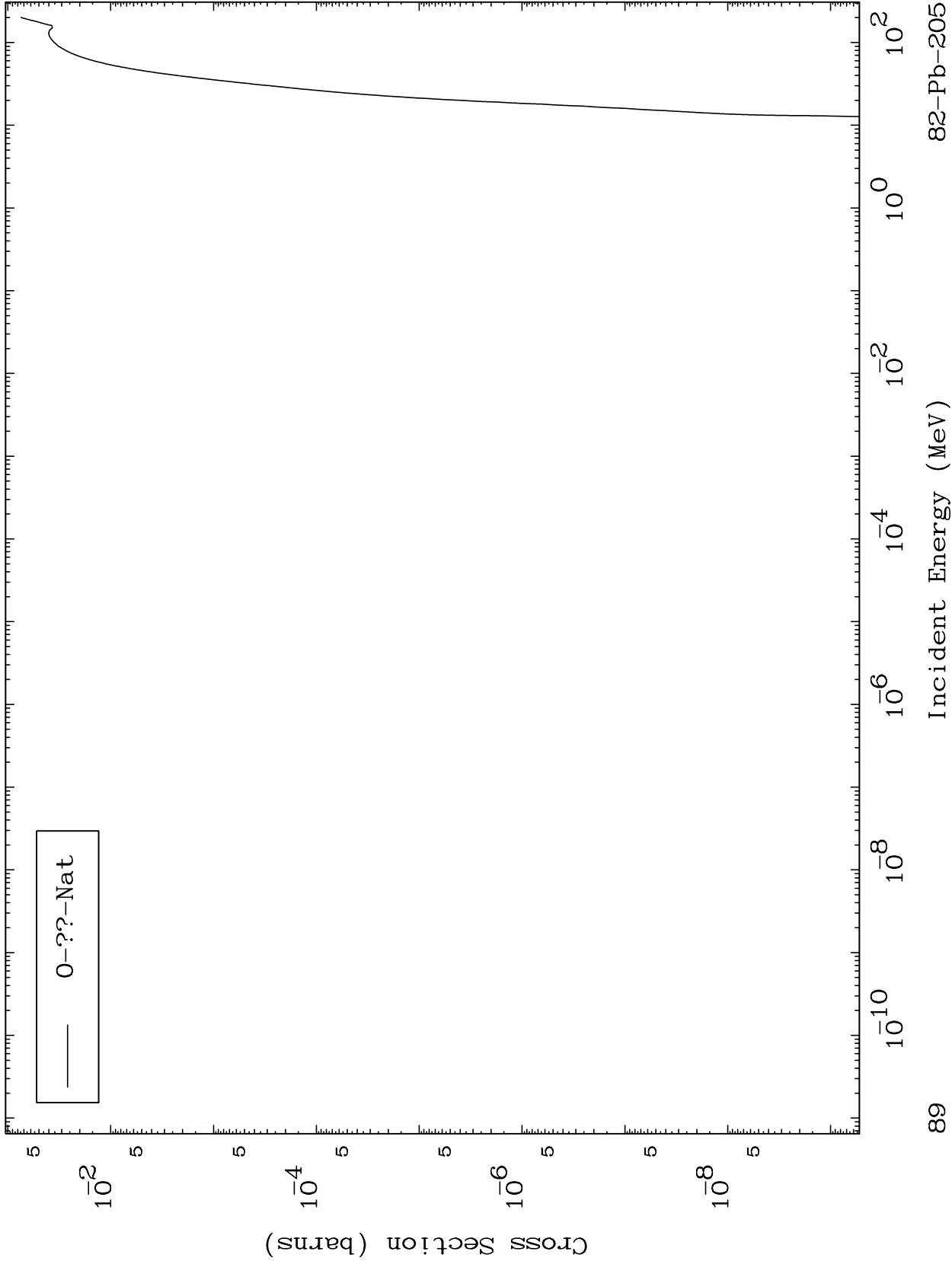
Incident Energy (MeV)

82-Pb-205

MAT 8228

Fission  
Radionuclide Production Cross Section

82-Pb-205



89

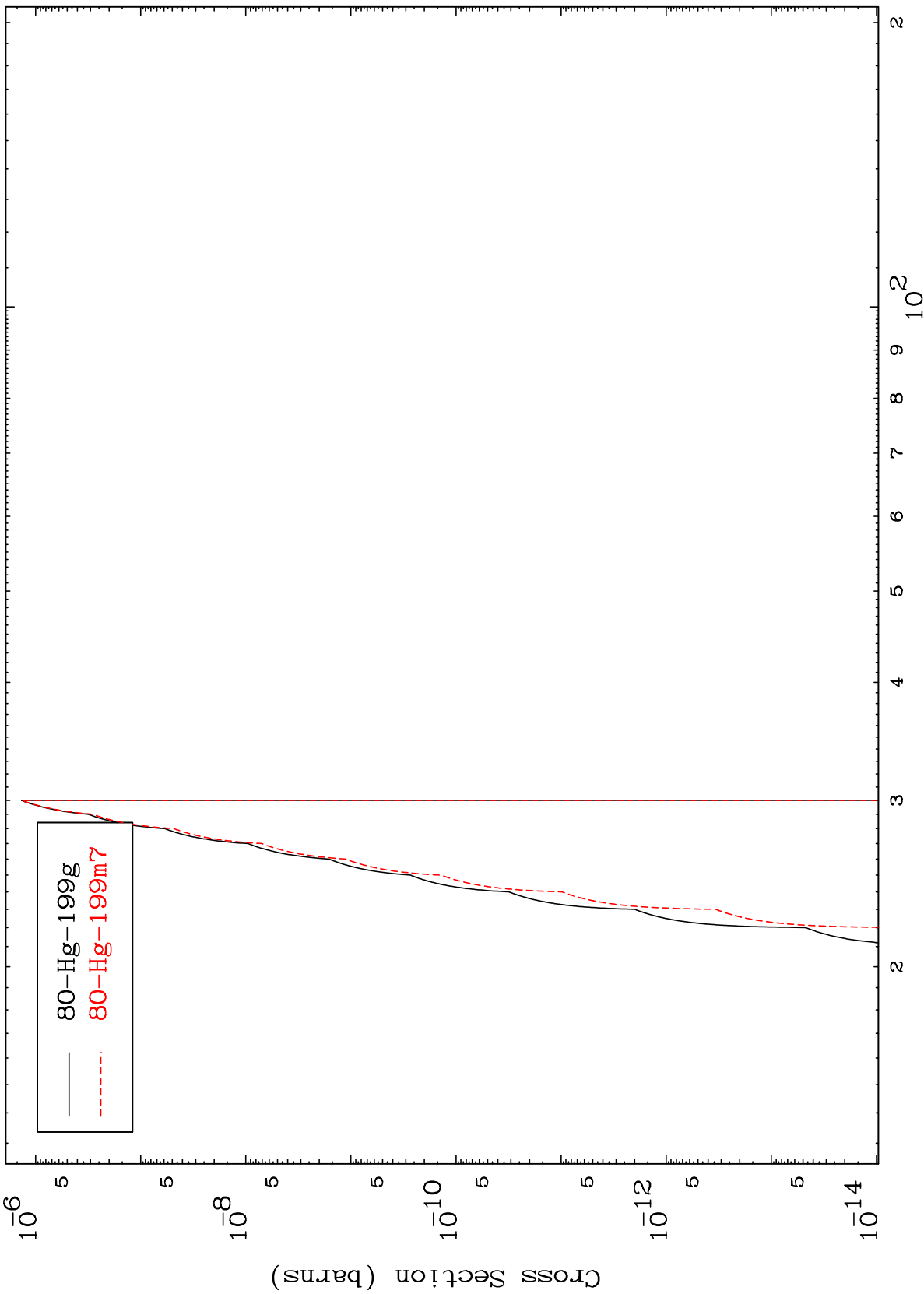
82-Pb-205

MAT 8228

(n,3n)  $\alpha$

82-Pb-205

Radionuclide Production Cross Section



90

Incident Energy (MeV)

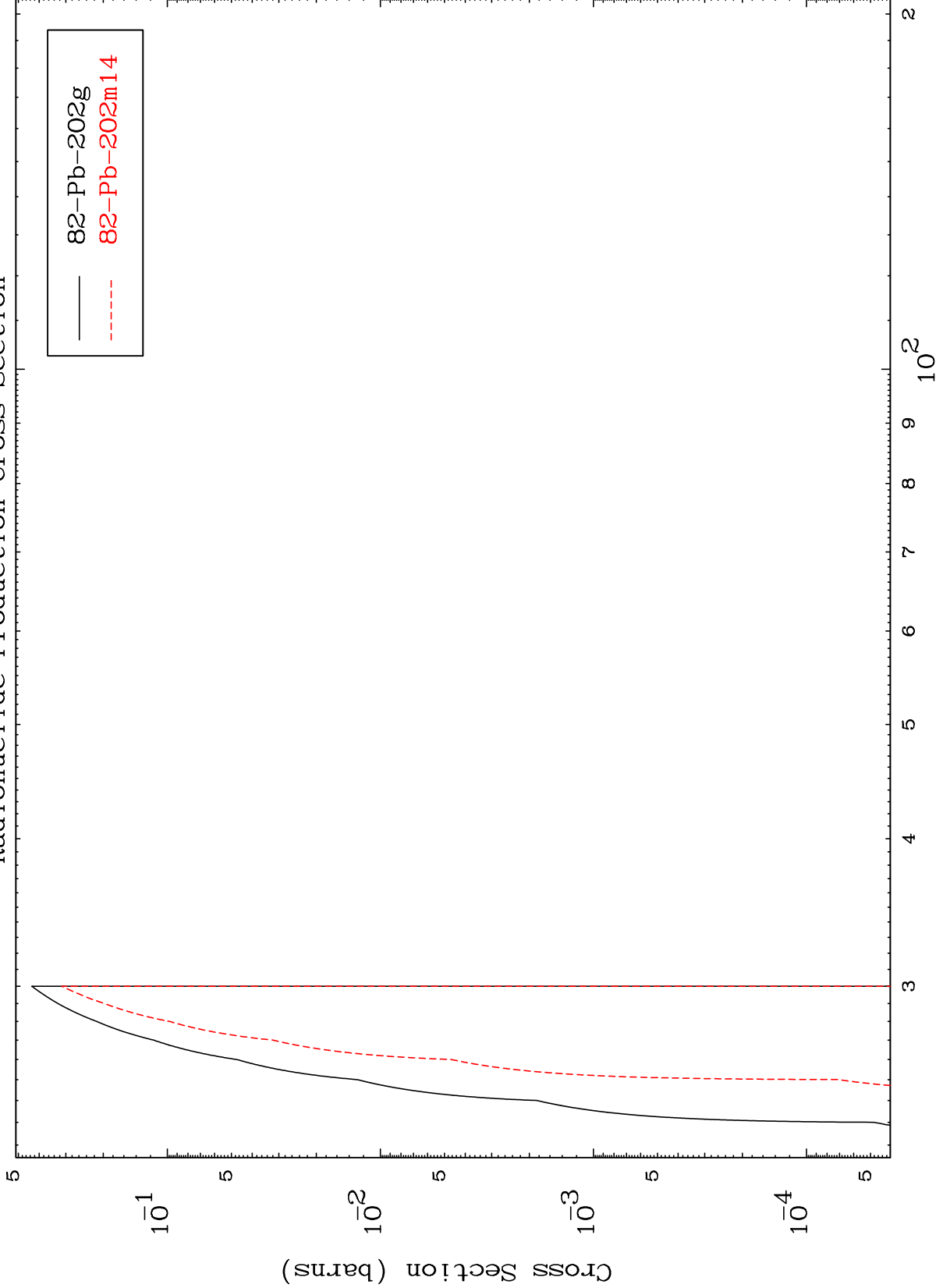
82-Pb-205

MAT 8228

(n,4n)

82-Pb-205

Radionuclide Production Cross Section



91

Incident Energy (MeV)

82-Pb-205