

Program EVALPLOT  
(Version 2021-1)

by

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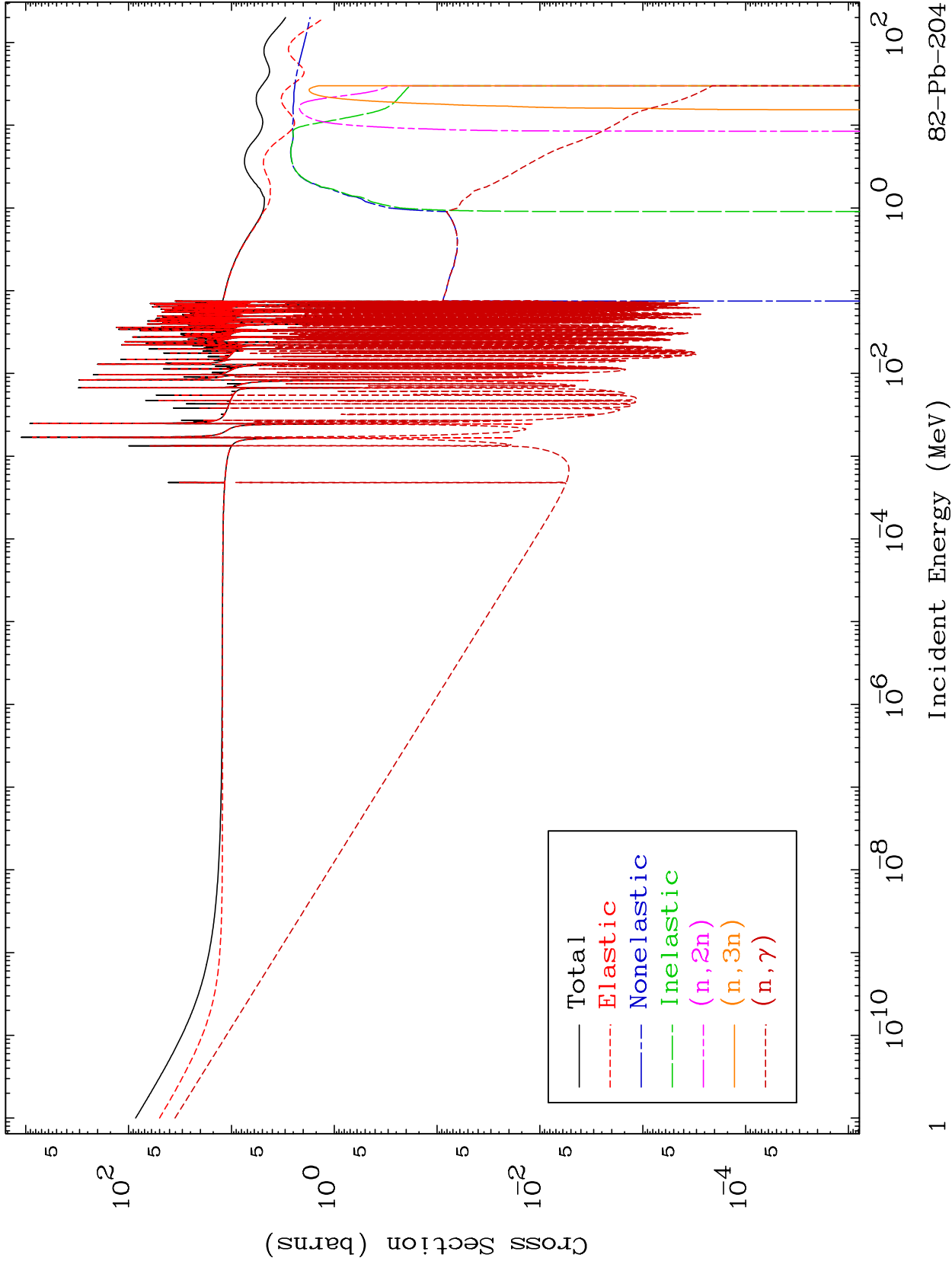
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8225

Neutron Major  
293 Kelvin Cross Sections

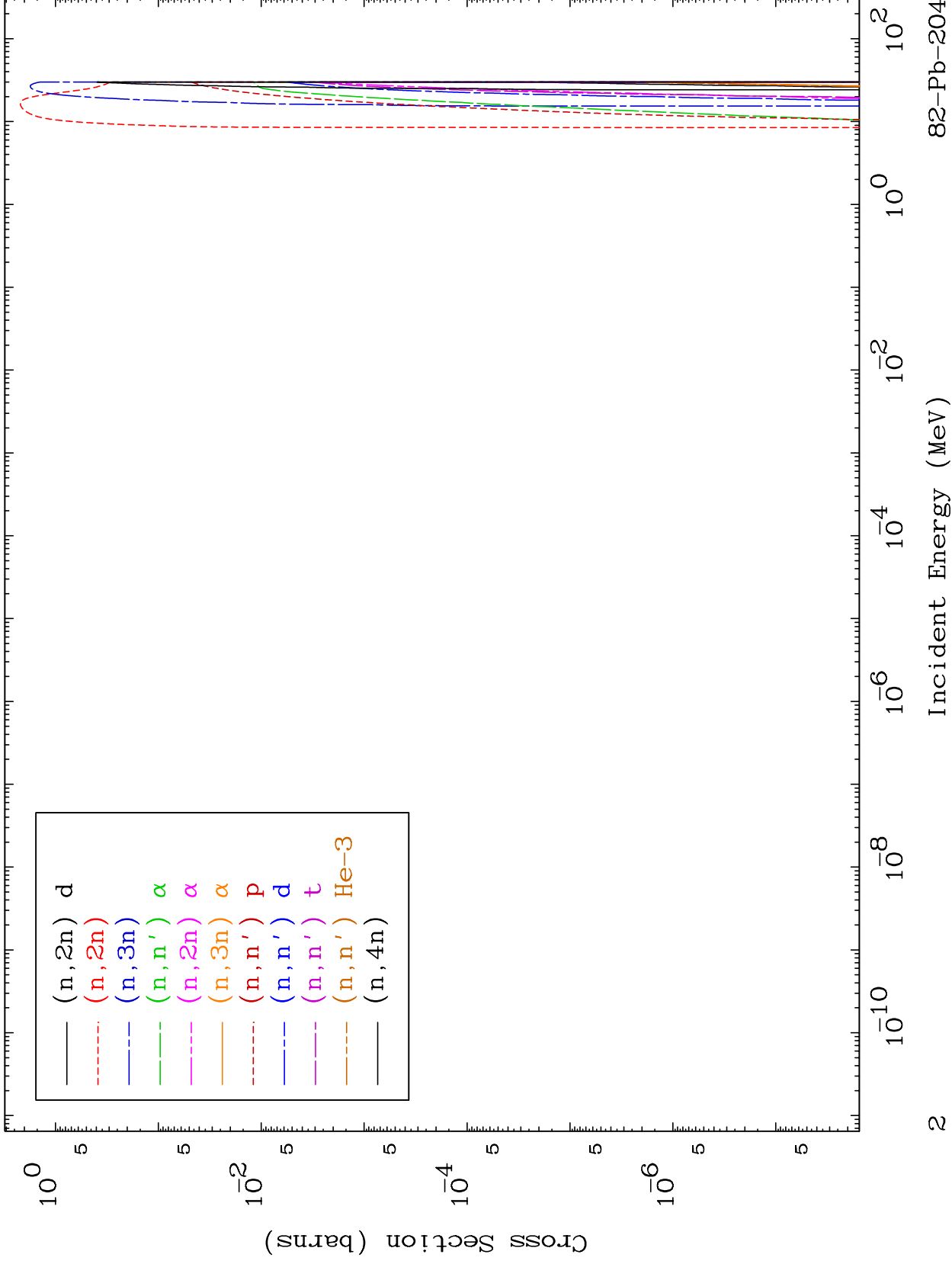
82-Pb-204



MAT 8225

Neutron Absorption  
293 Kelvin Cross Sections

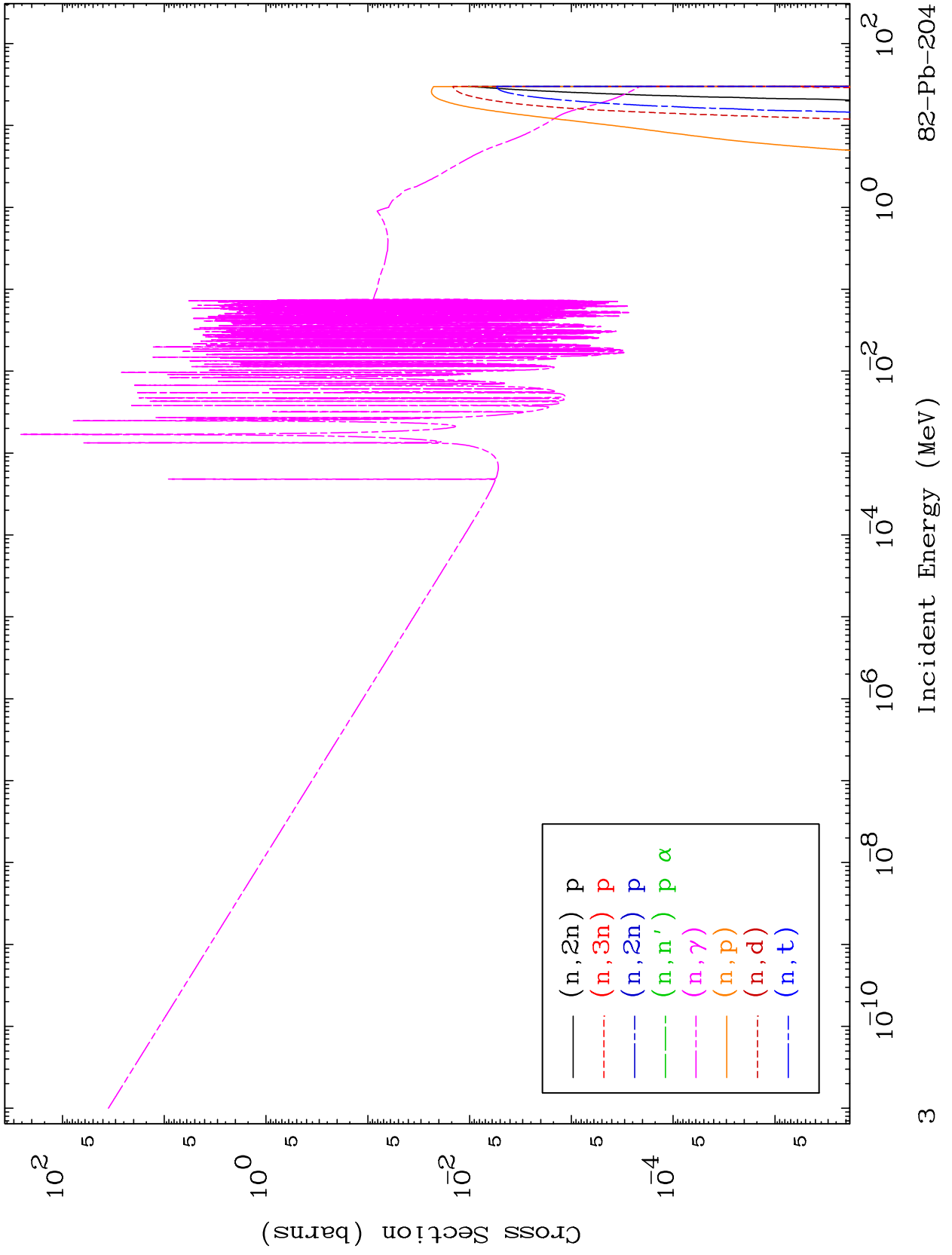
82-Pb-204



MAT 8225

Neutron Absorption  
293 Kelvin Cross Sections

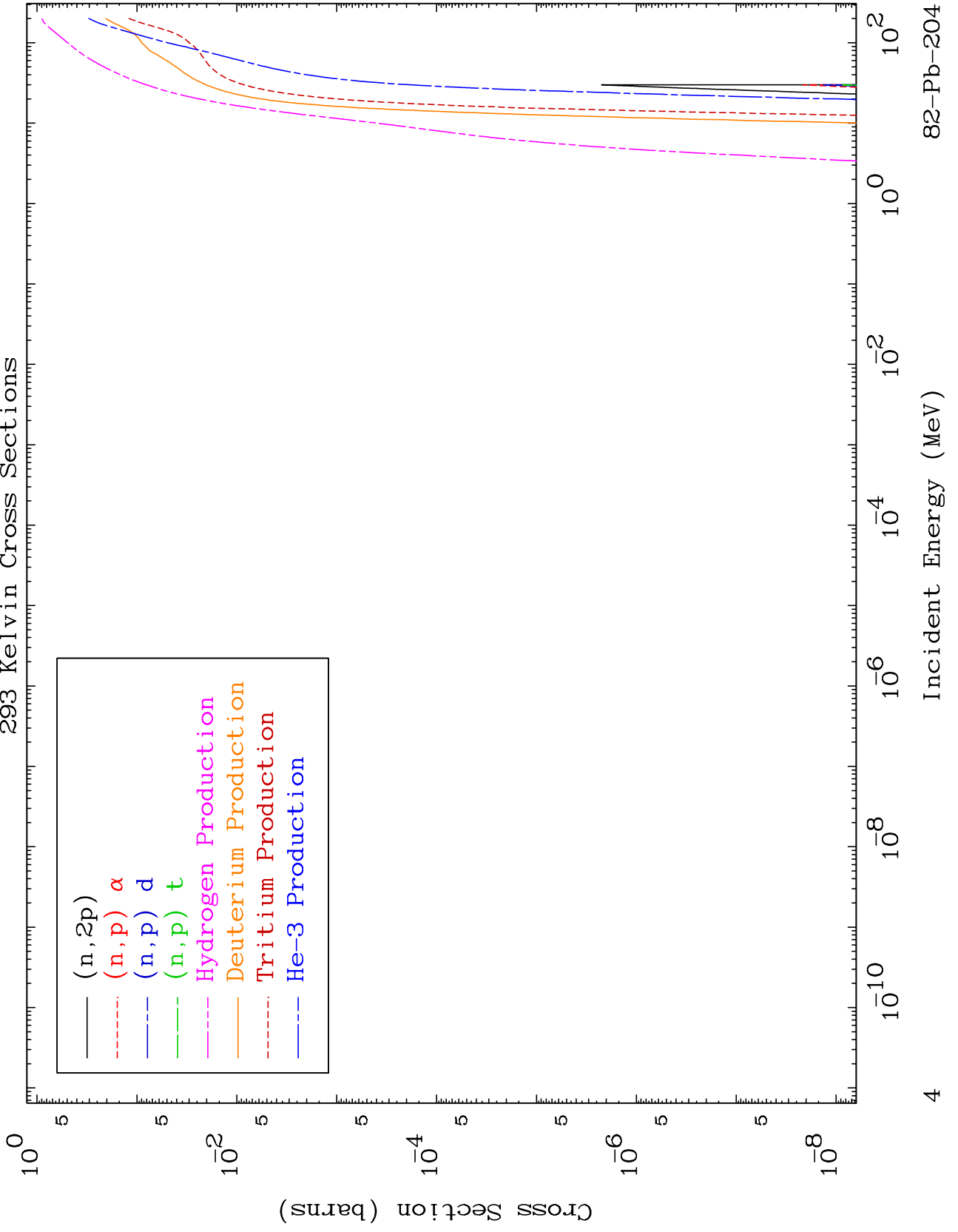
82-Pb-204



MAT 8225

Neutron Absorption  
293 Kelvin Cross Sections

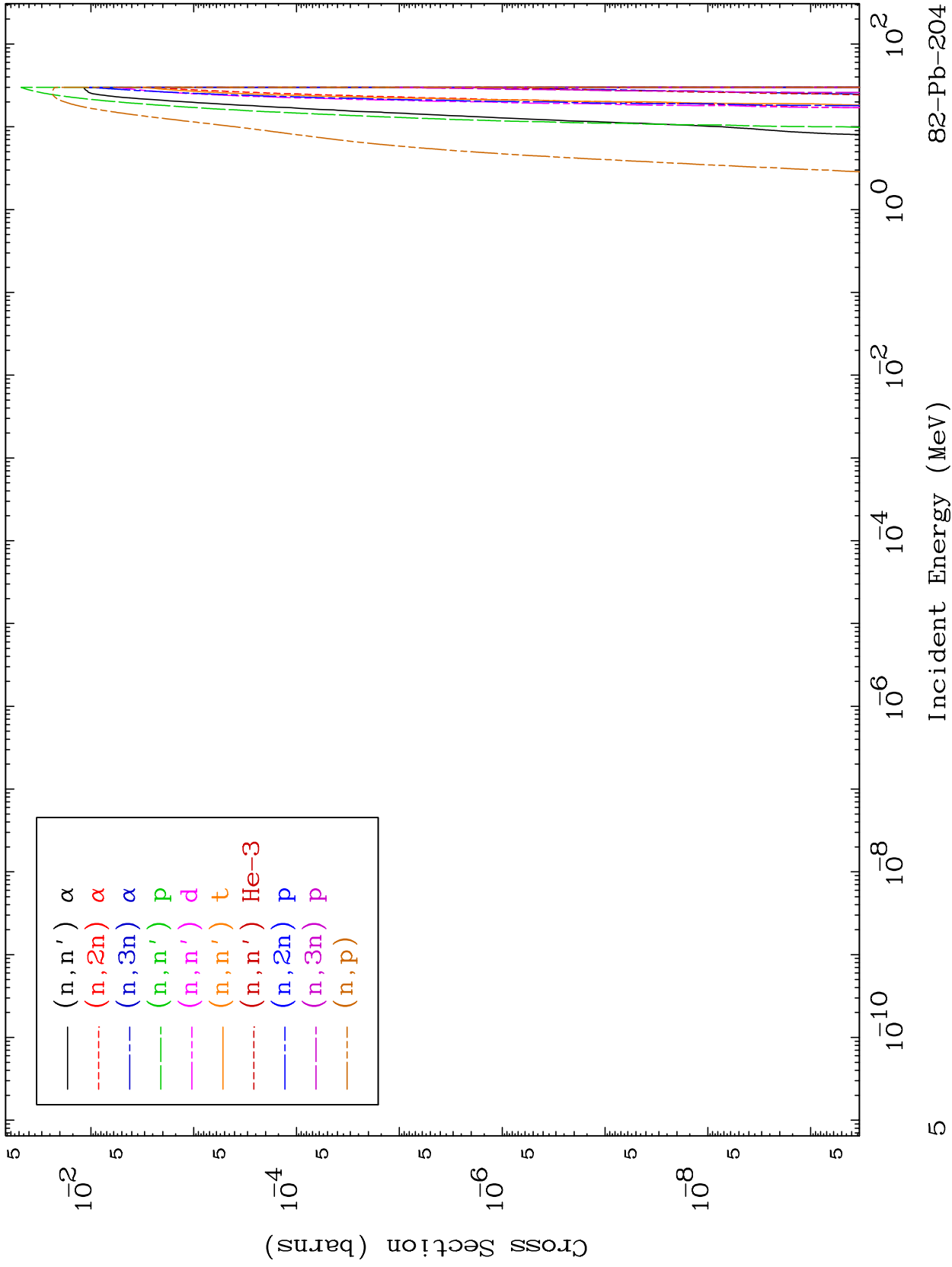
82-Pb-204



MAT 8225

Charged Particle  
293 Kelvin Cross Sections

82-Pb-204



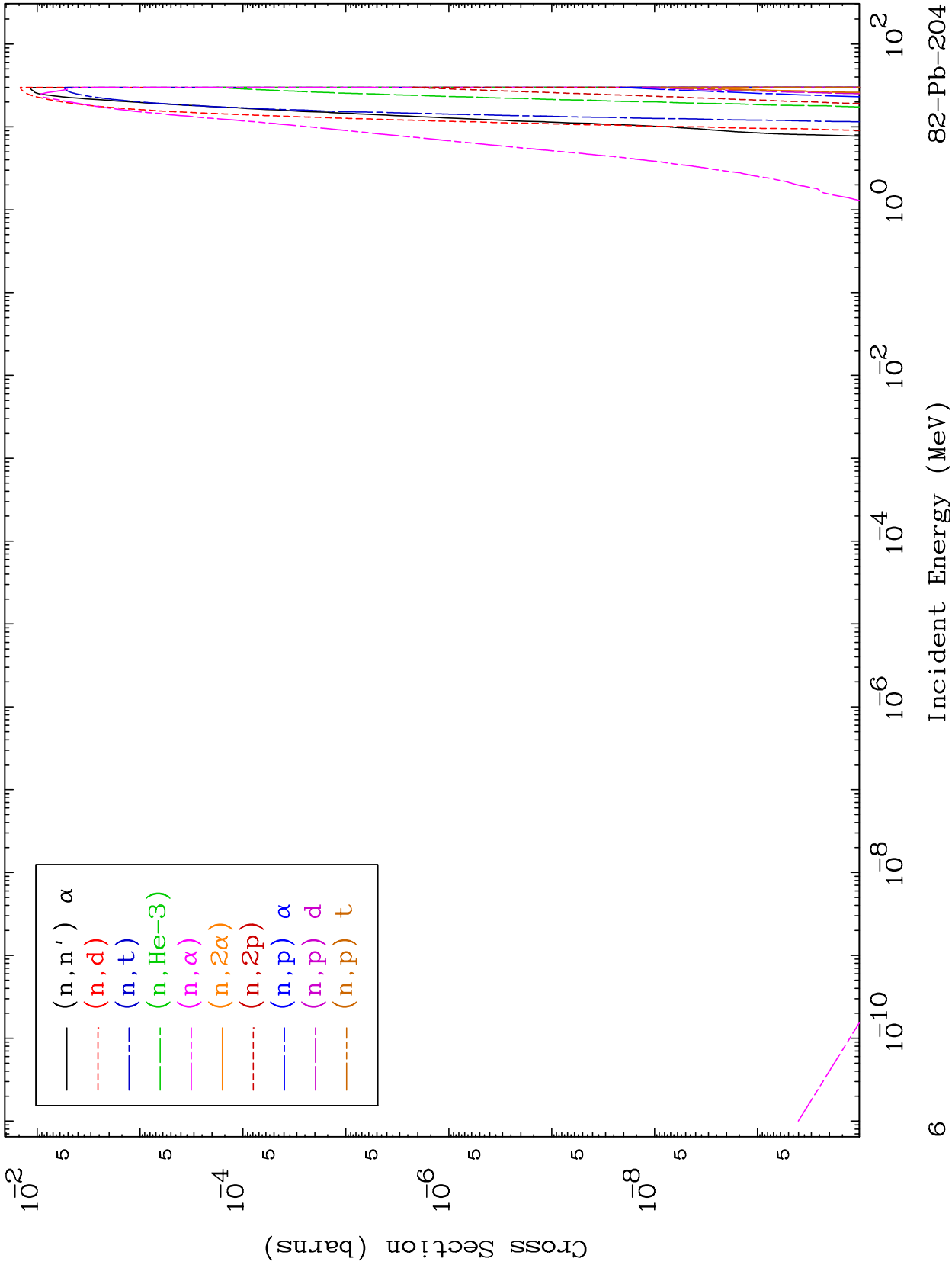
5

82-Pb-204

MAT 8225

Charged Particle  
293 Kelvin Cross Sections

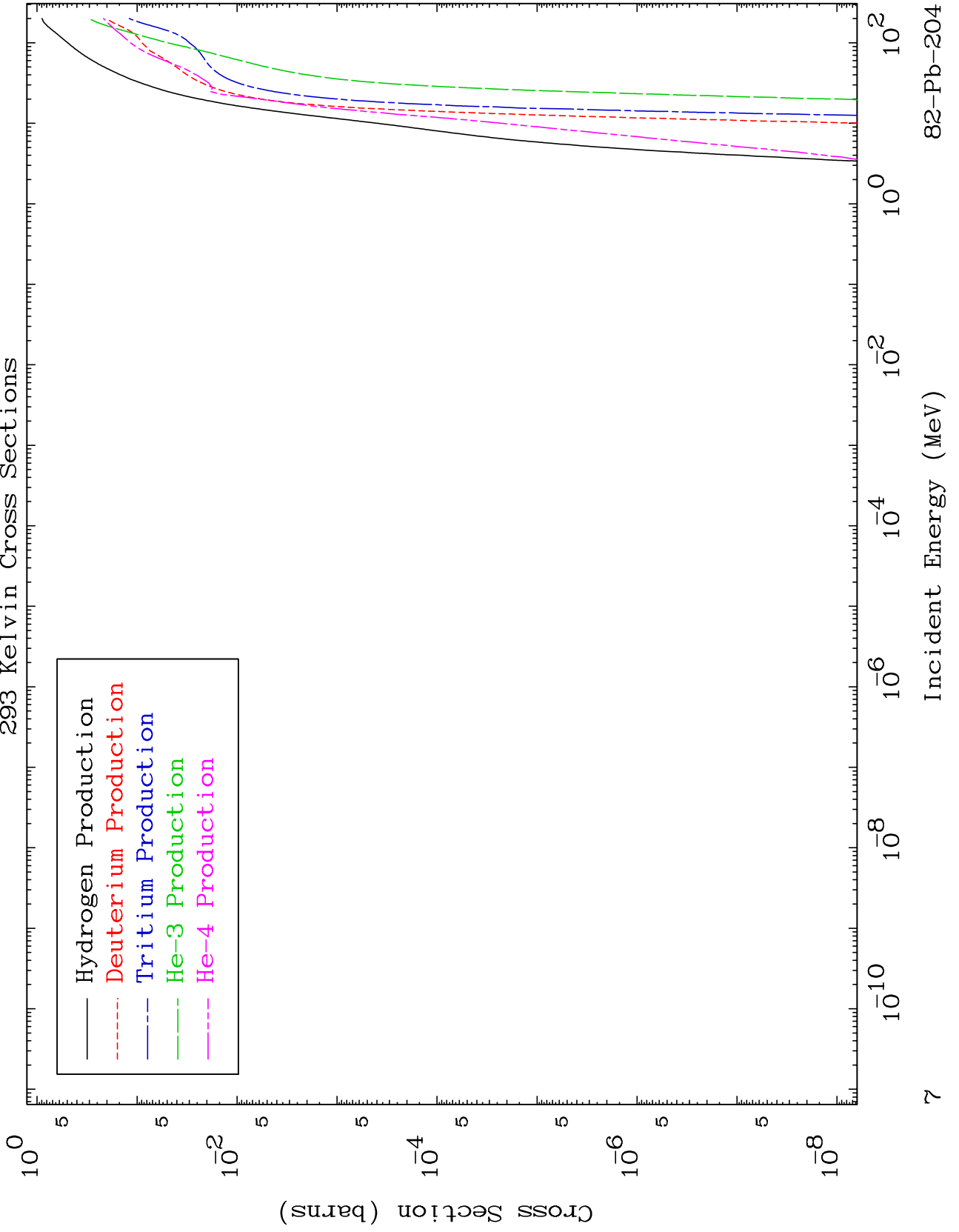
82-Pb-204



MAT 8225

Particle Production  
293 Kelvin Cross Sections

82-Pb-204

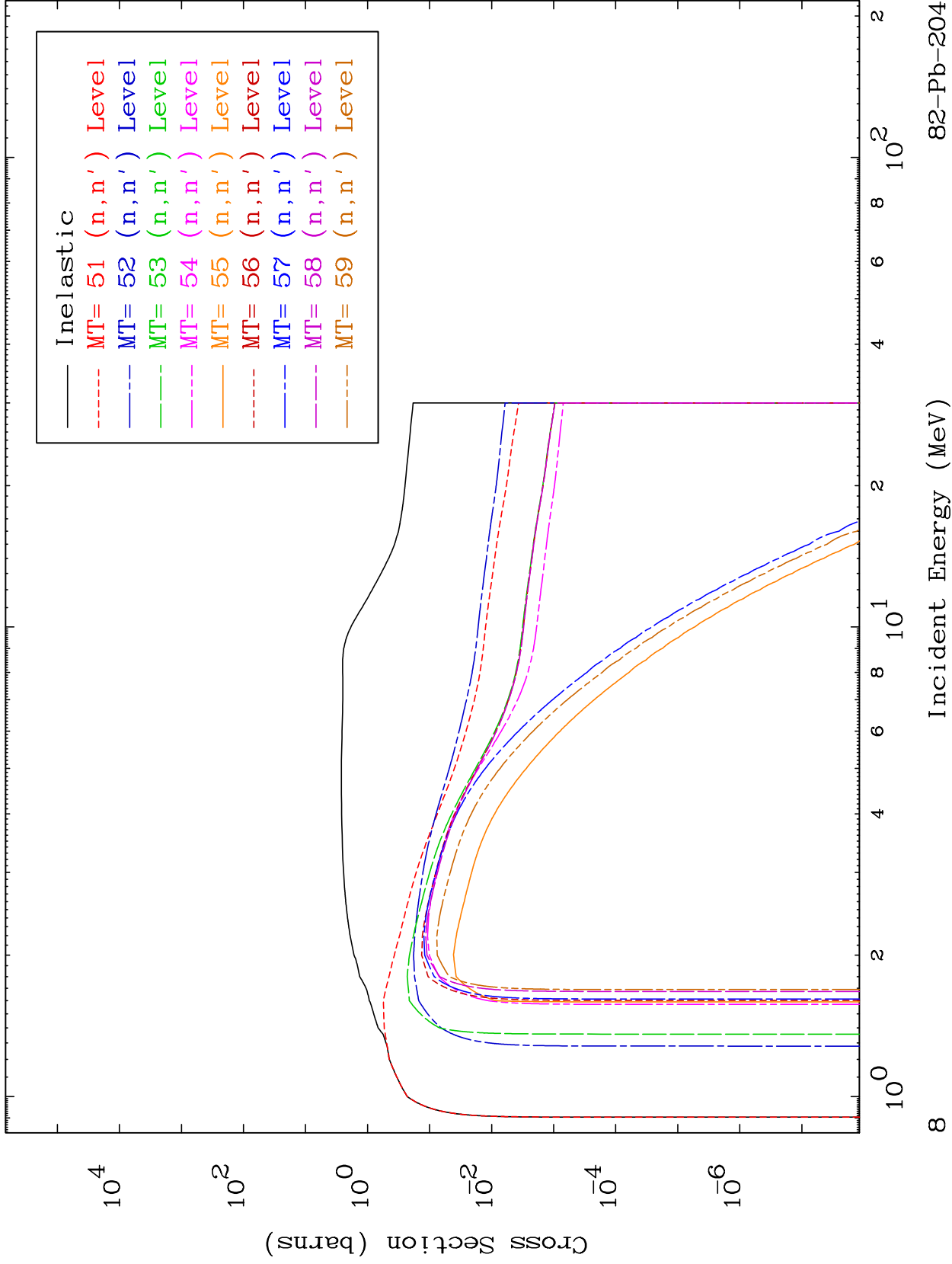


MAT 8225

(n,n') Levels

82-Pb-204

293 Kelvin Cross Sections



82-Pb-204

Incident Energy (MeV)

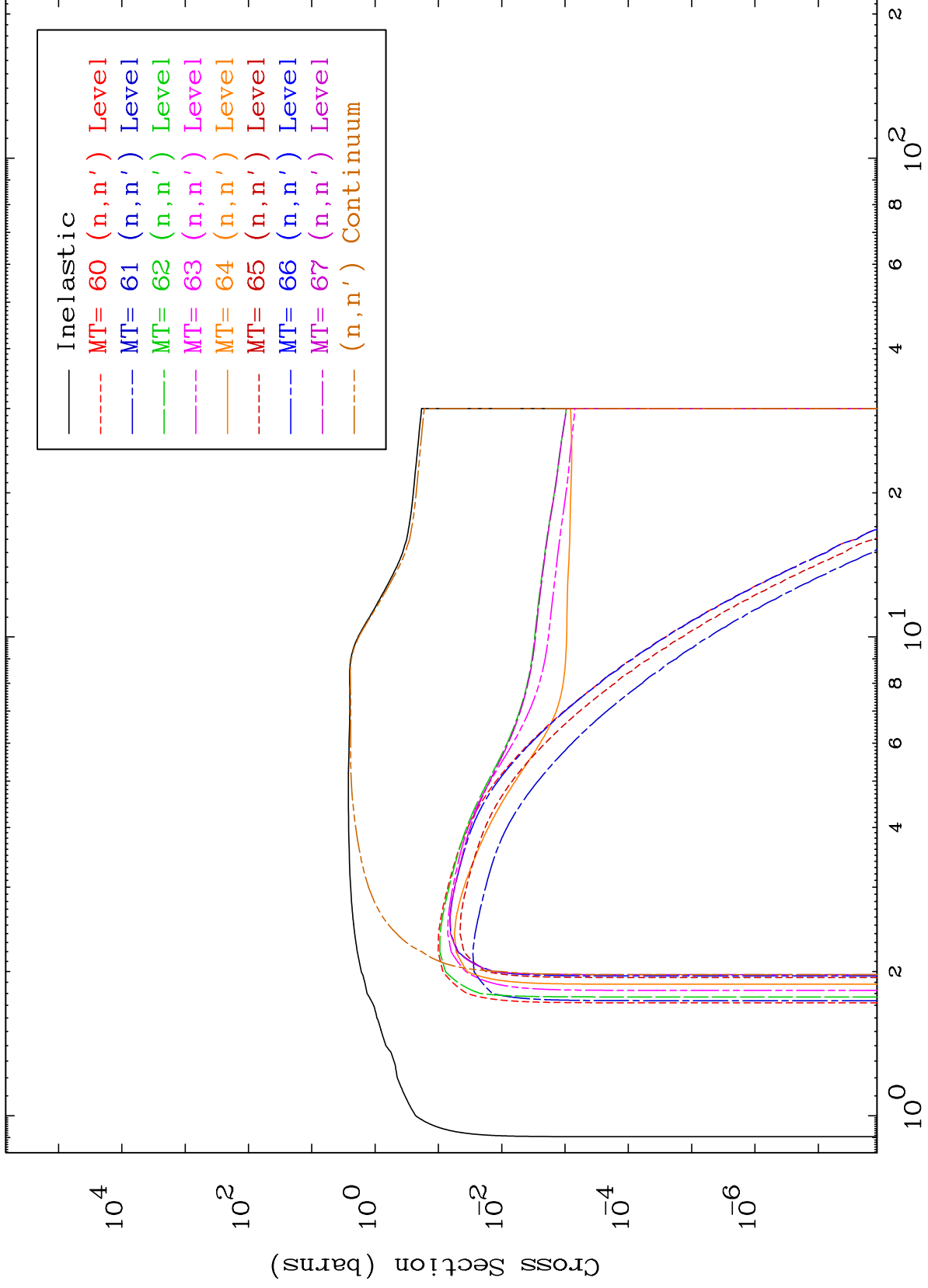
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MAT 8225

(n,n') Levels

82-Pb-204

293 Kelvin Cross Sections



9

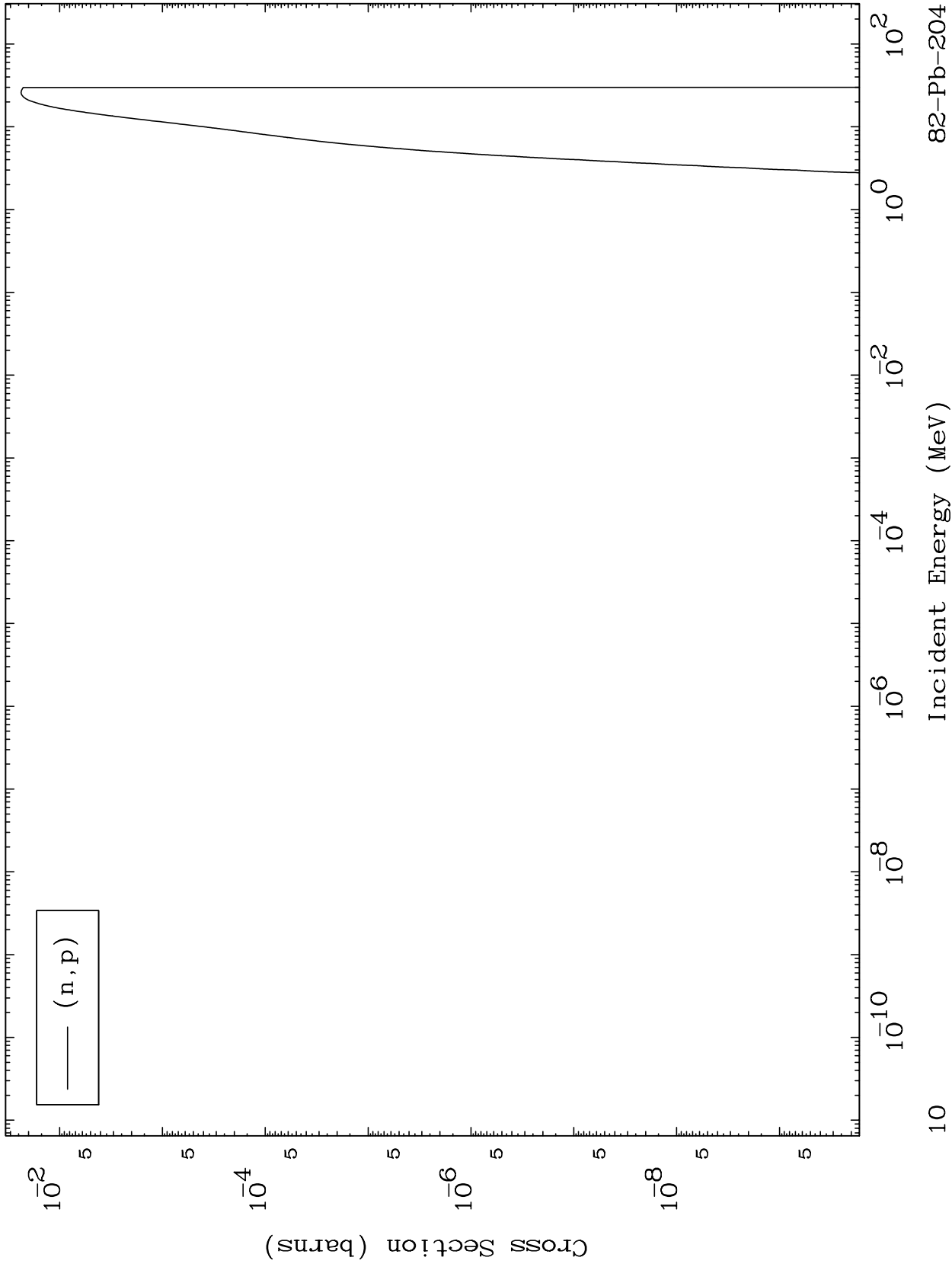
Incident Energy (MeV)

82-Pb-204

MAT 8225

(n,p) Levels  
293 Kelvin Cross Sections

82-Pb-204



10

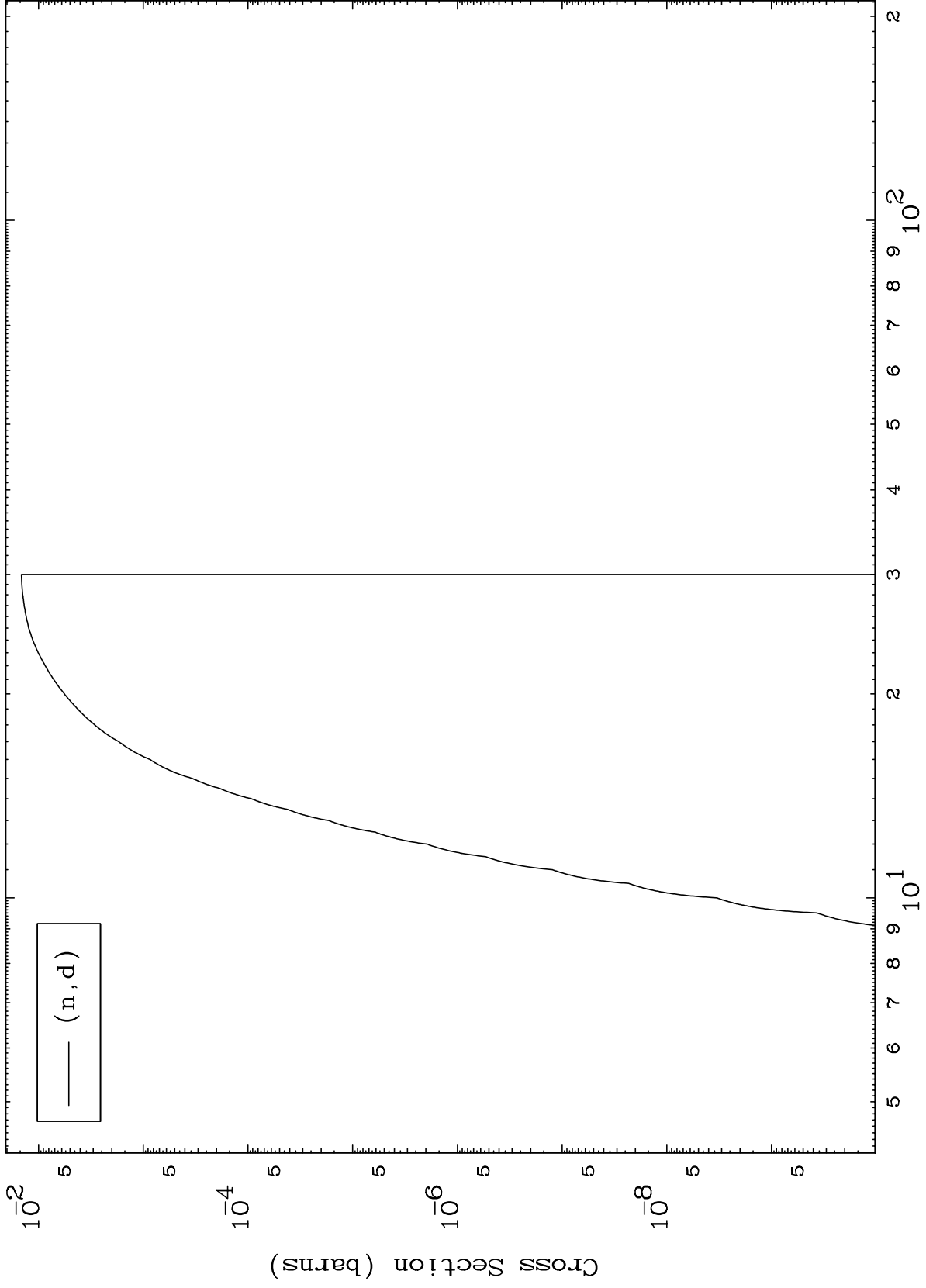
Incident Energy (MeV)

82-Pb-204

MAT 8225

(n,d) Levels  
293 Kelvin Cross Sections

82-Pb-204



11

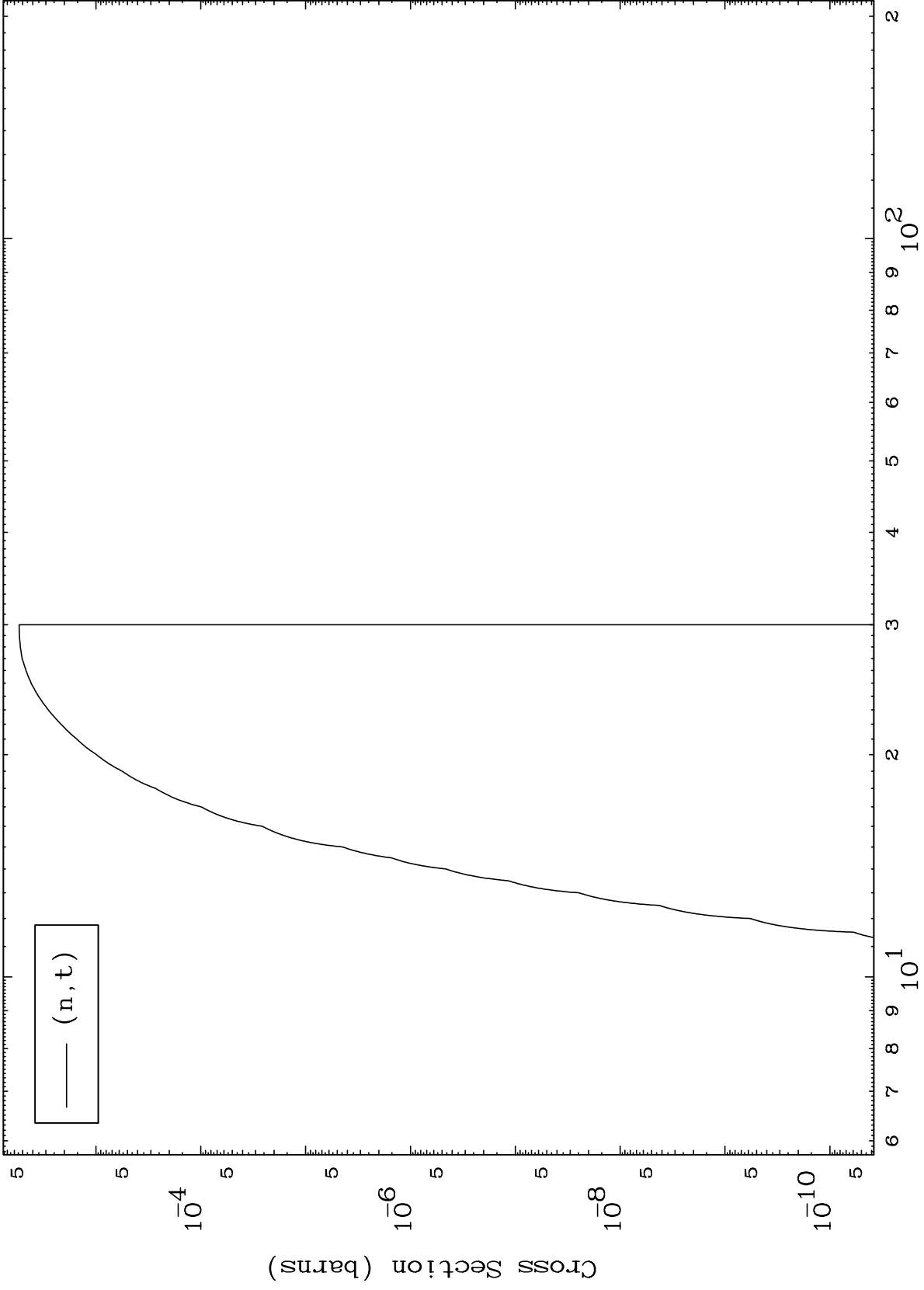
Incident Energy (MeV)

82-Pb-204

MAT 8225

(n, t) Levels  
293 Kelvin Cross Sections

82-Pb-204



12

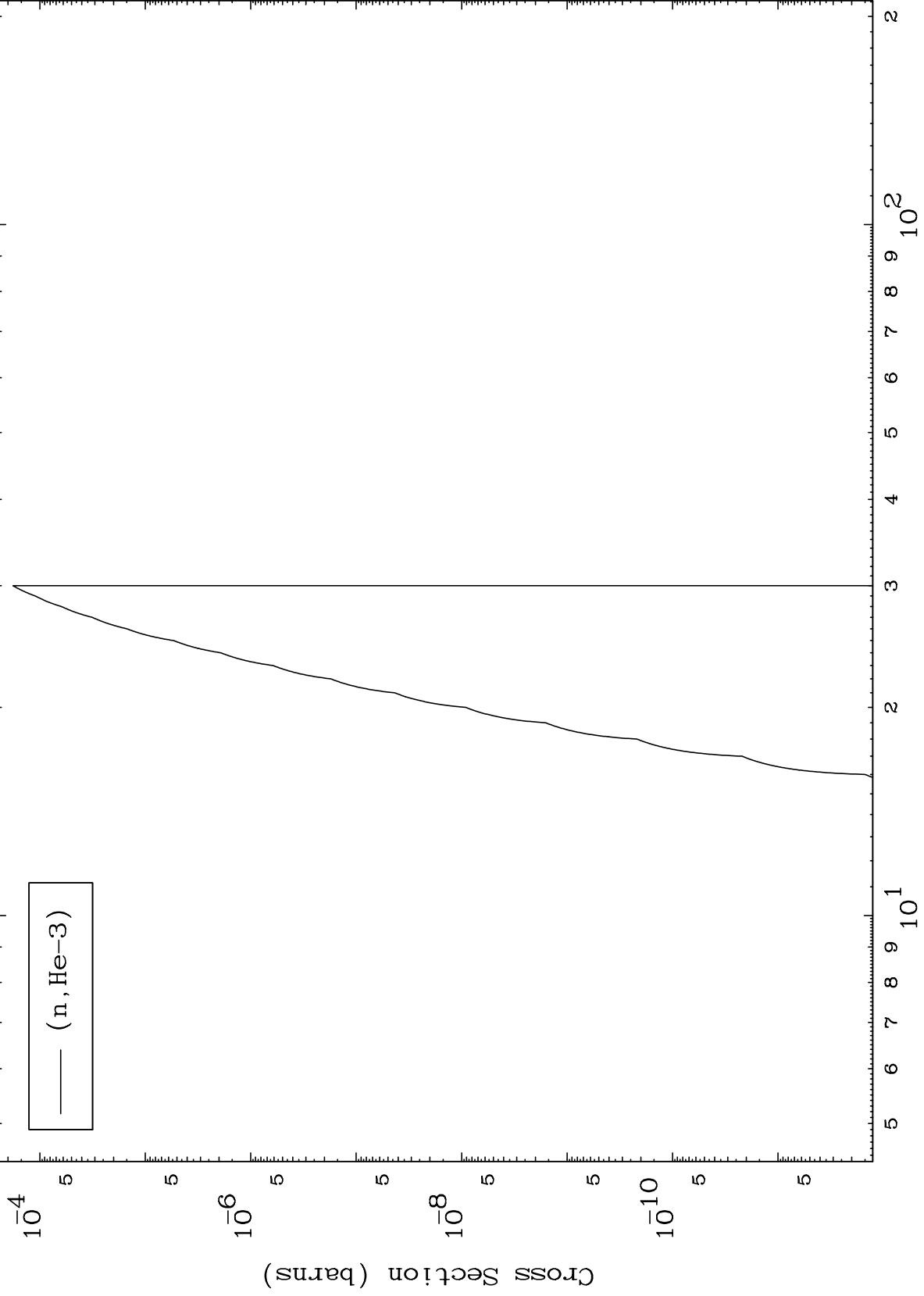
Incident Energy (MeV)

82-Pb-204

MAT 8225

(n,He3) Levels  
293 Kelvin Cross Sections

82-Pb-204

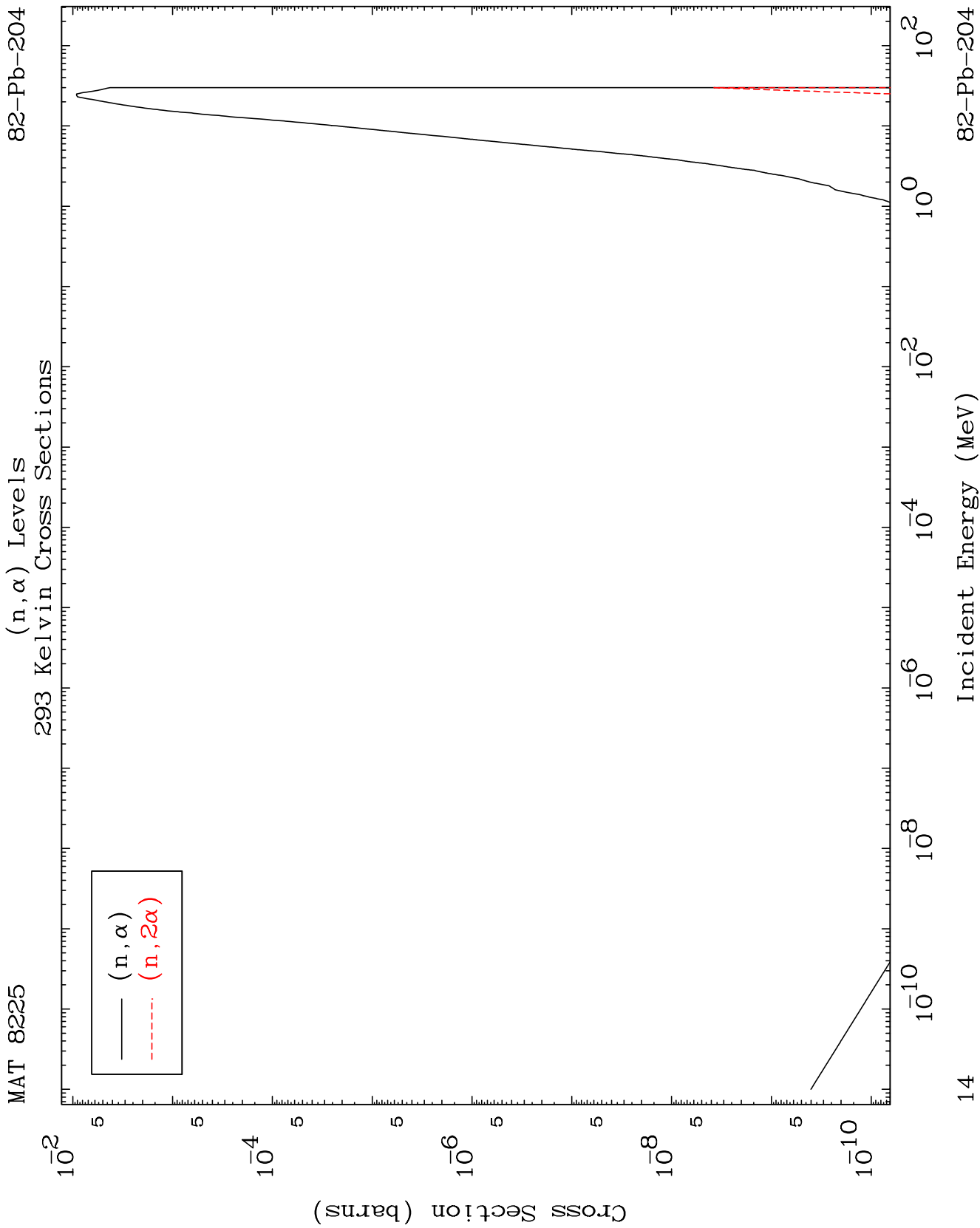


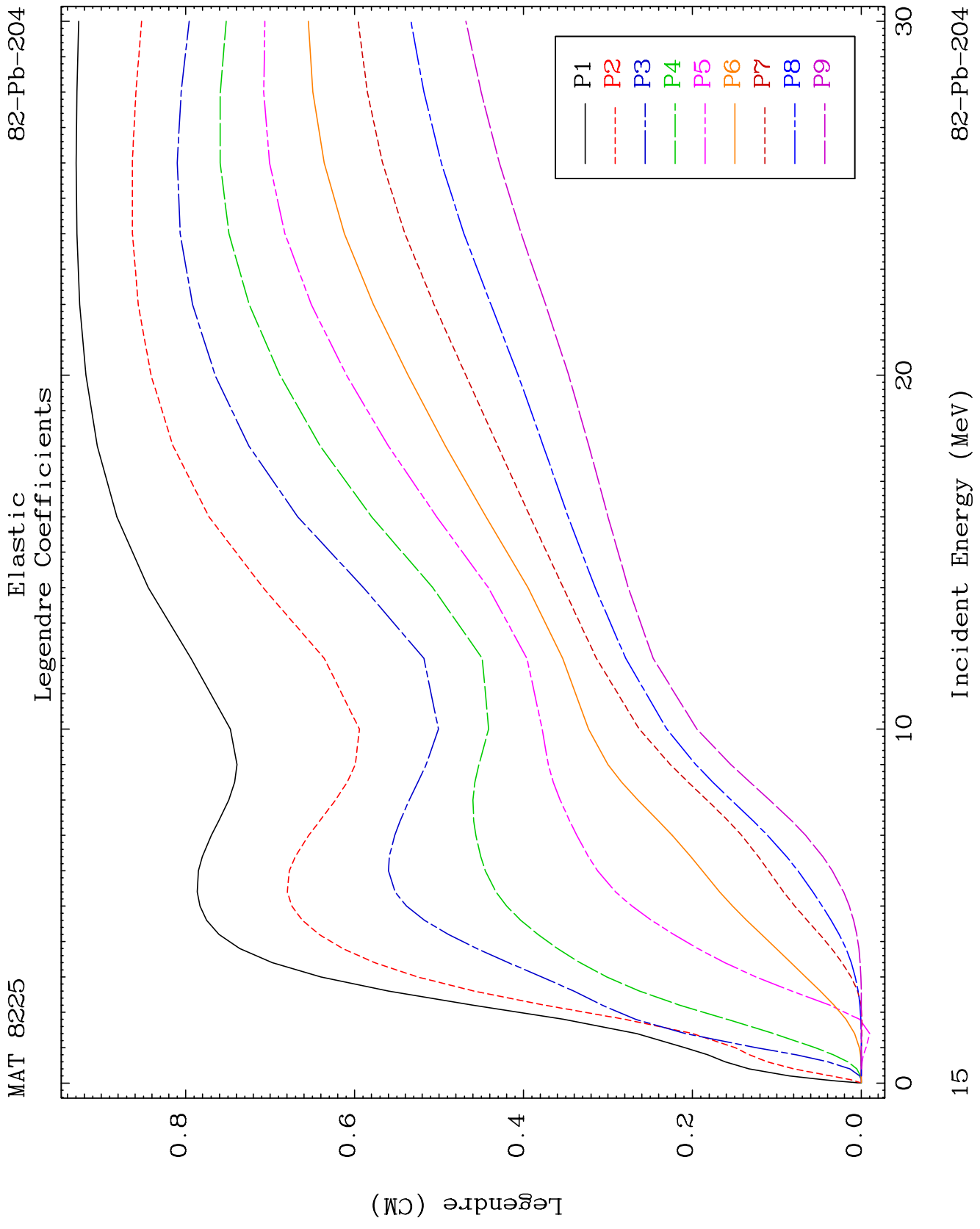
(n, He-3)

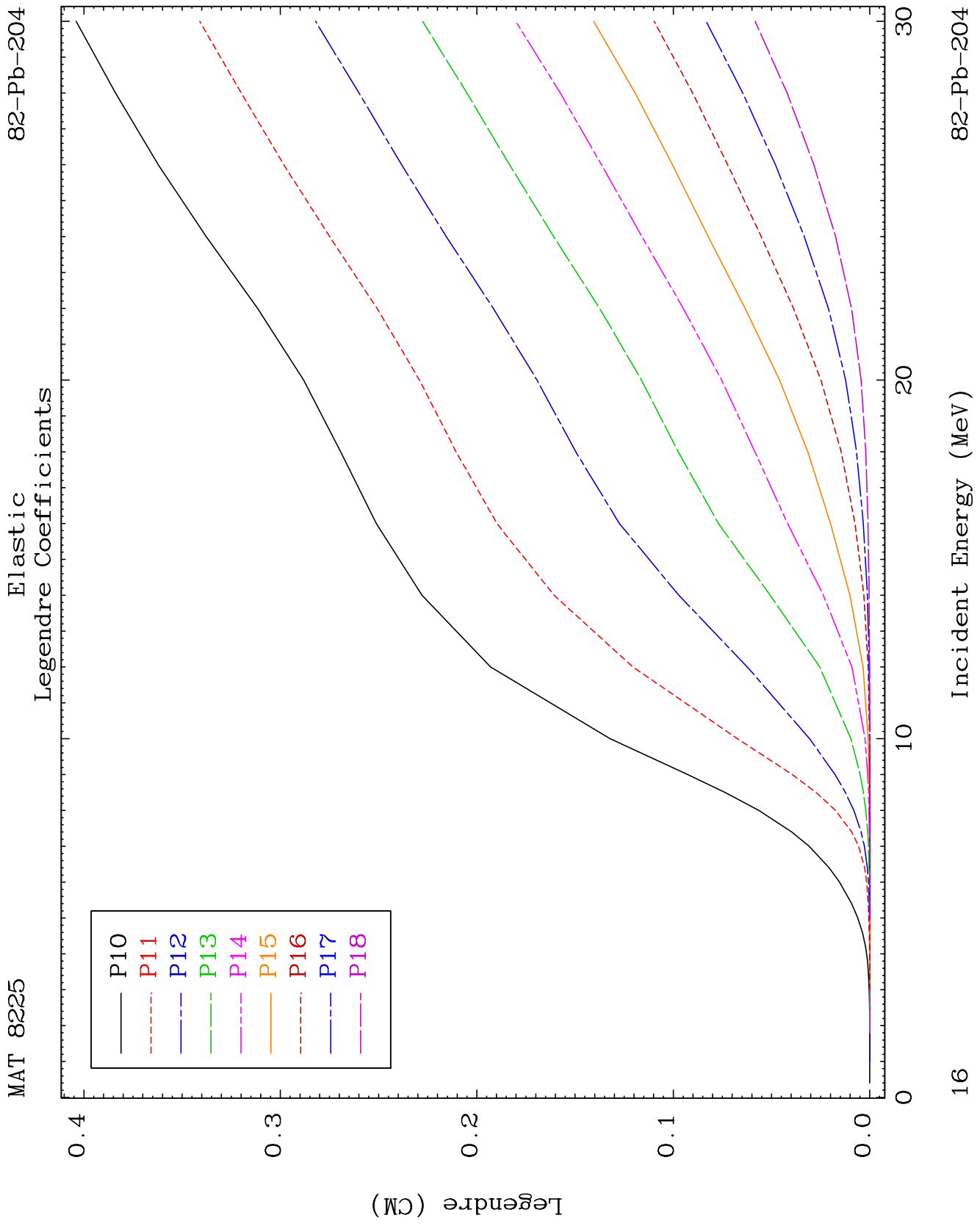
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Incident Energy (MeV)

82-Pb-204



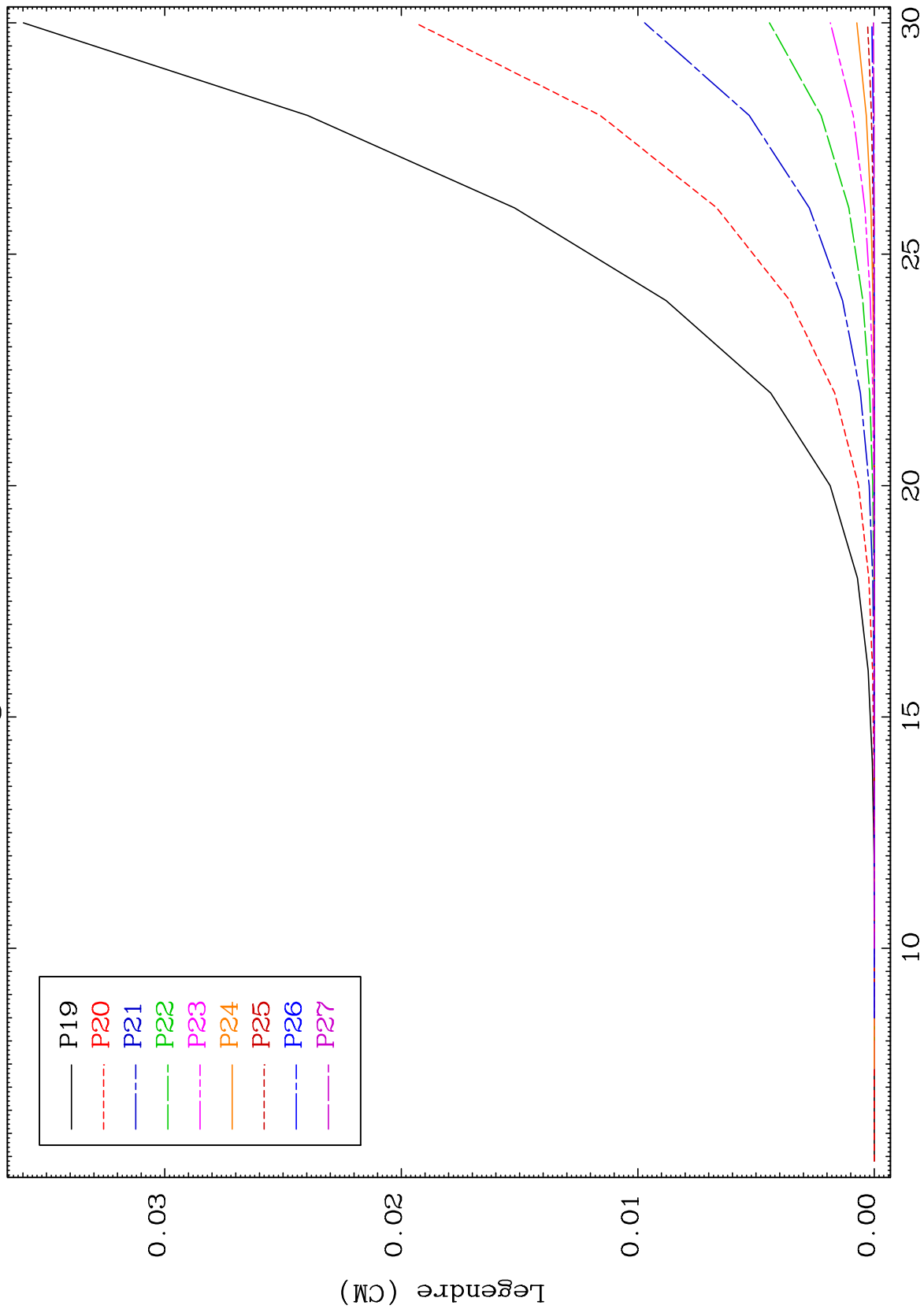




MAT 8225

### Elastic Legendre Coefficients

82-Pb-204



17

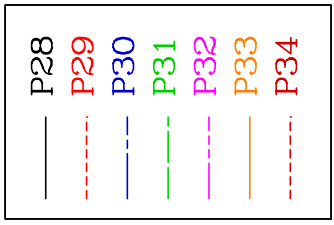
Incident Energy (MeV)

82-Pb-204

MAT 8225

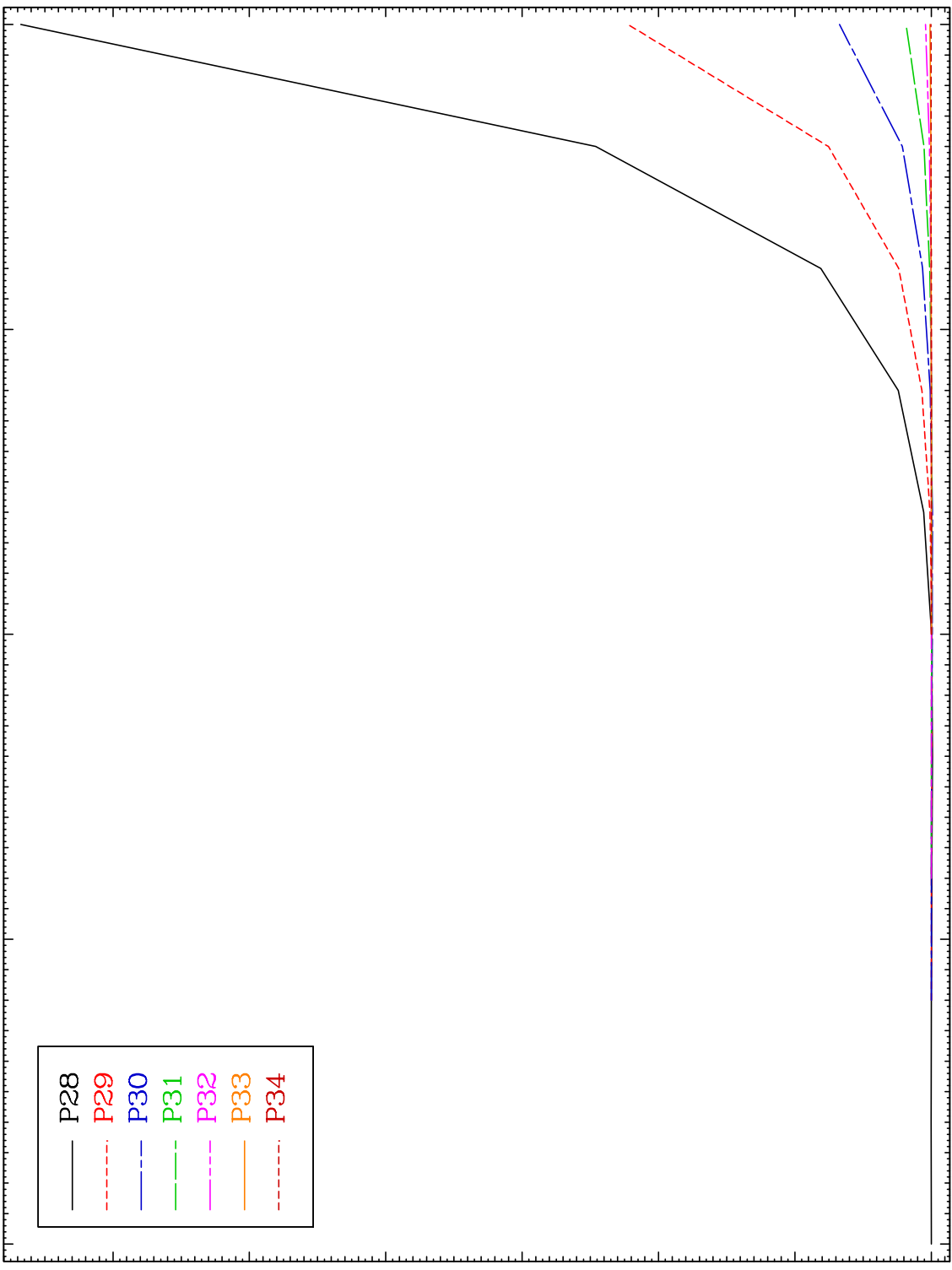
Elastic Legendre Coefficients

82-Pb-204



$\times 10^{-5}$

Legendre (CM)



30

25

20

15

10

Incident Energy (MeV)

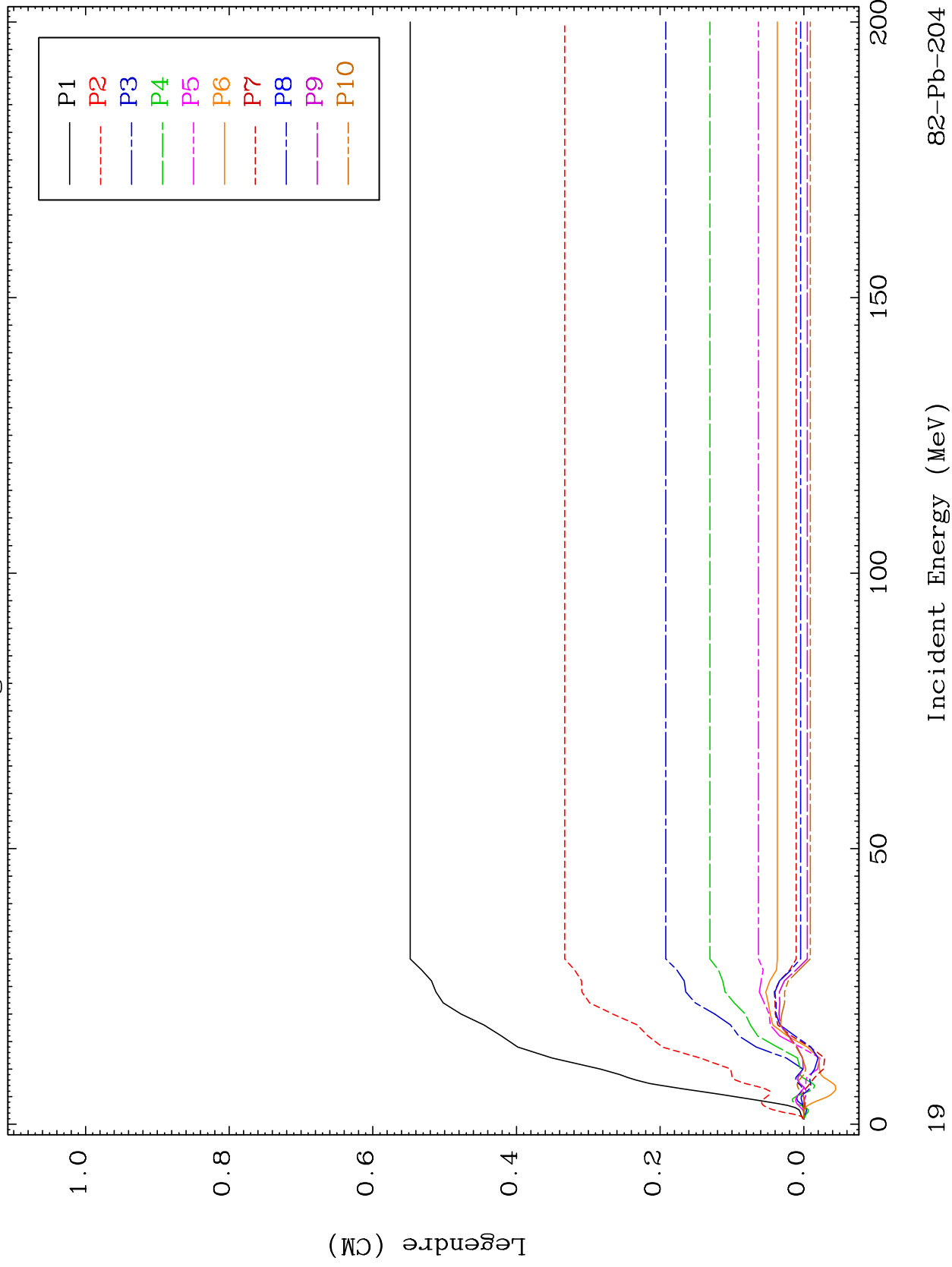
82-Pb-204

18

MAT 8225

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

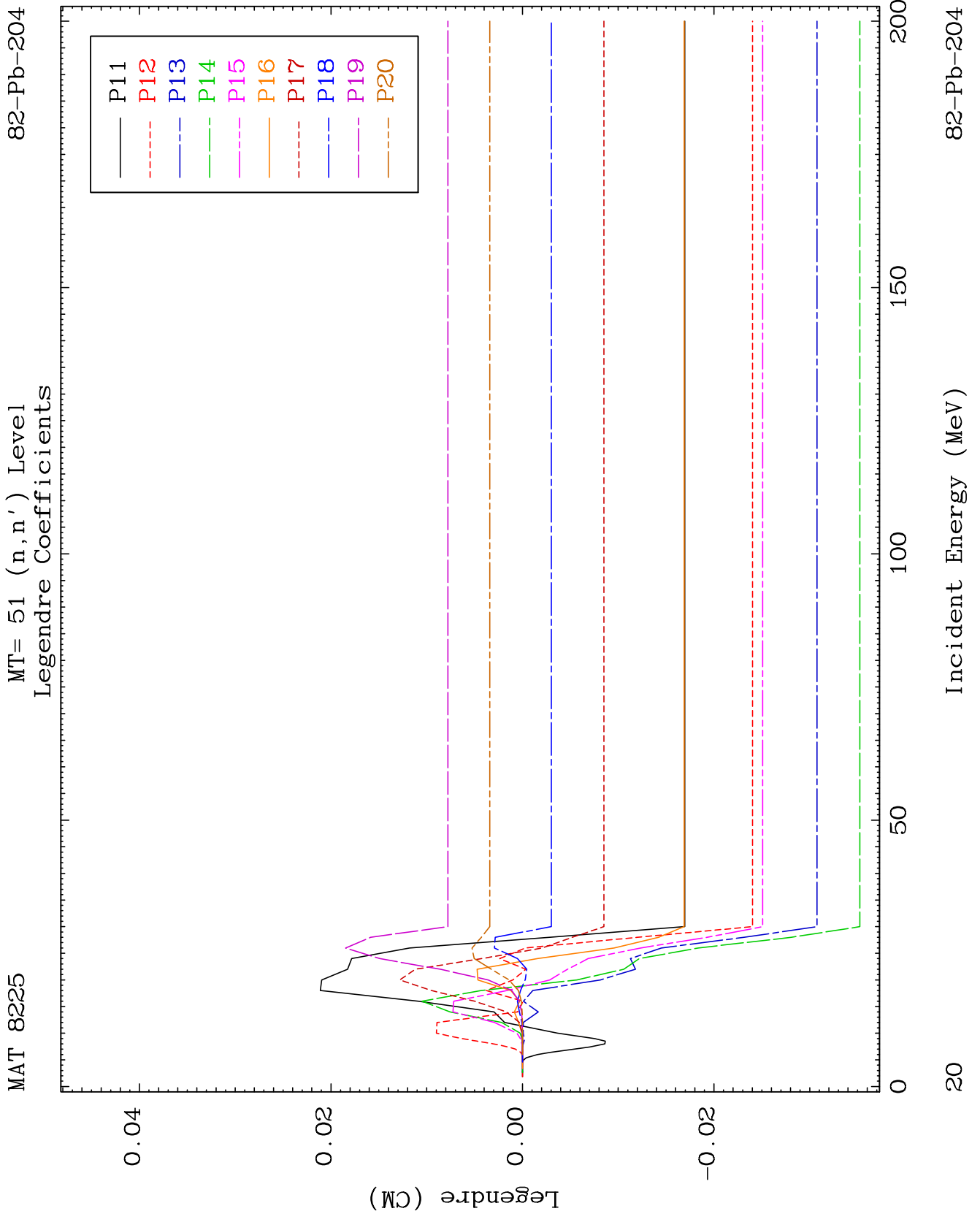
82-Pb-204



82-Pb-204

Incident Energy (MeV)

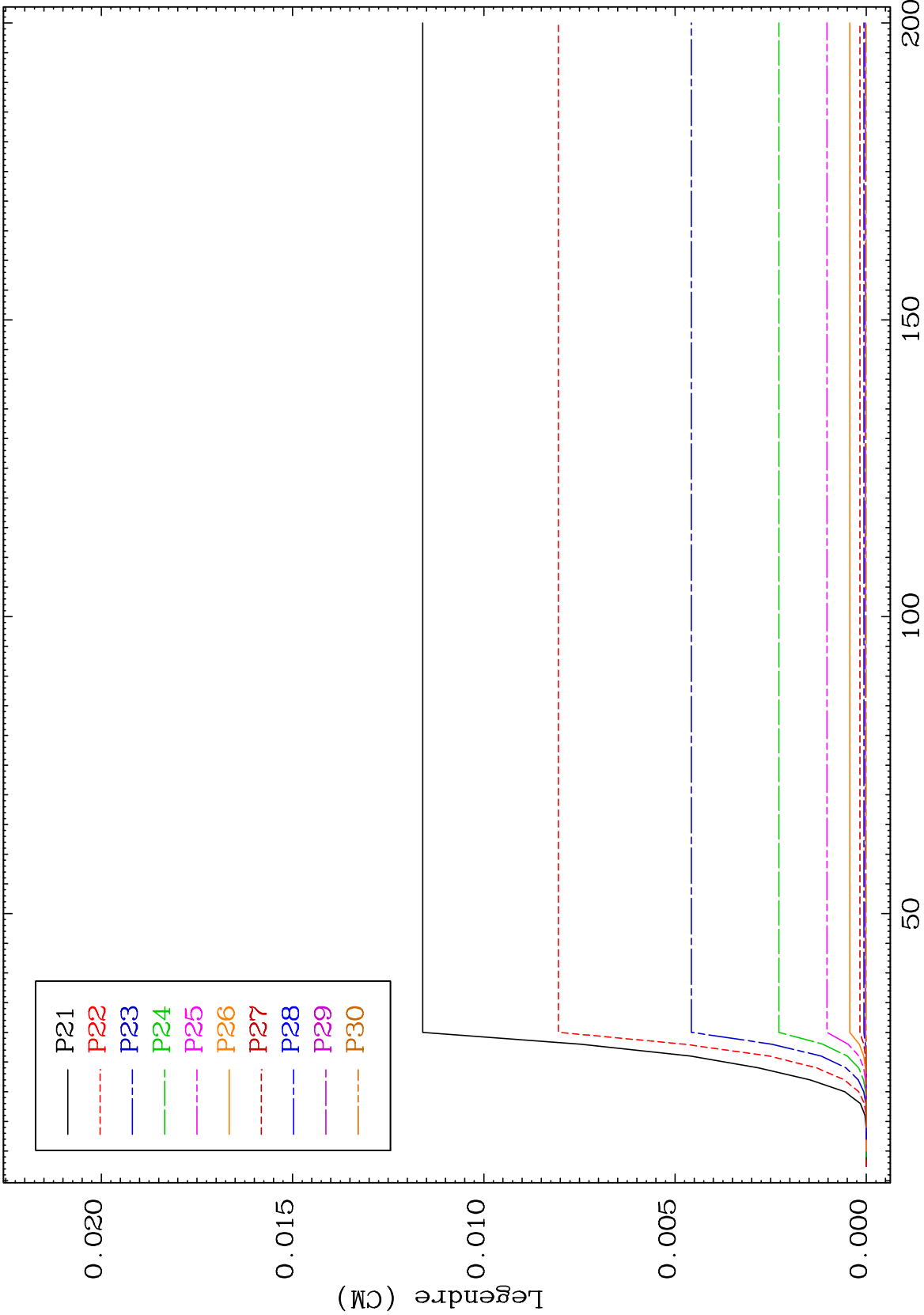
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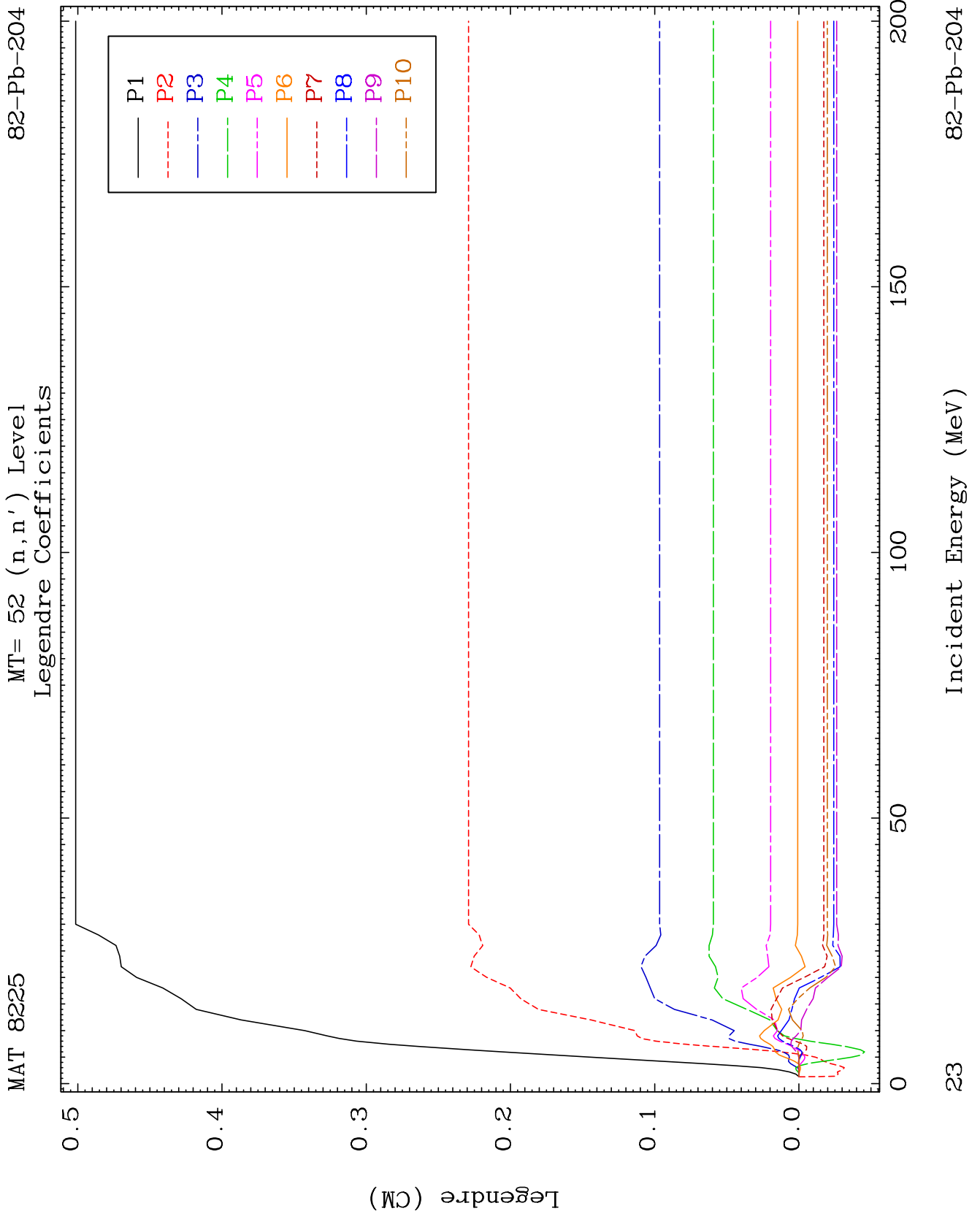
MAT 8225

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

82-Pb-204



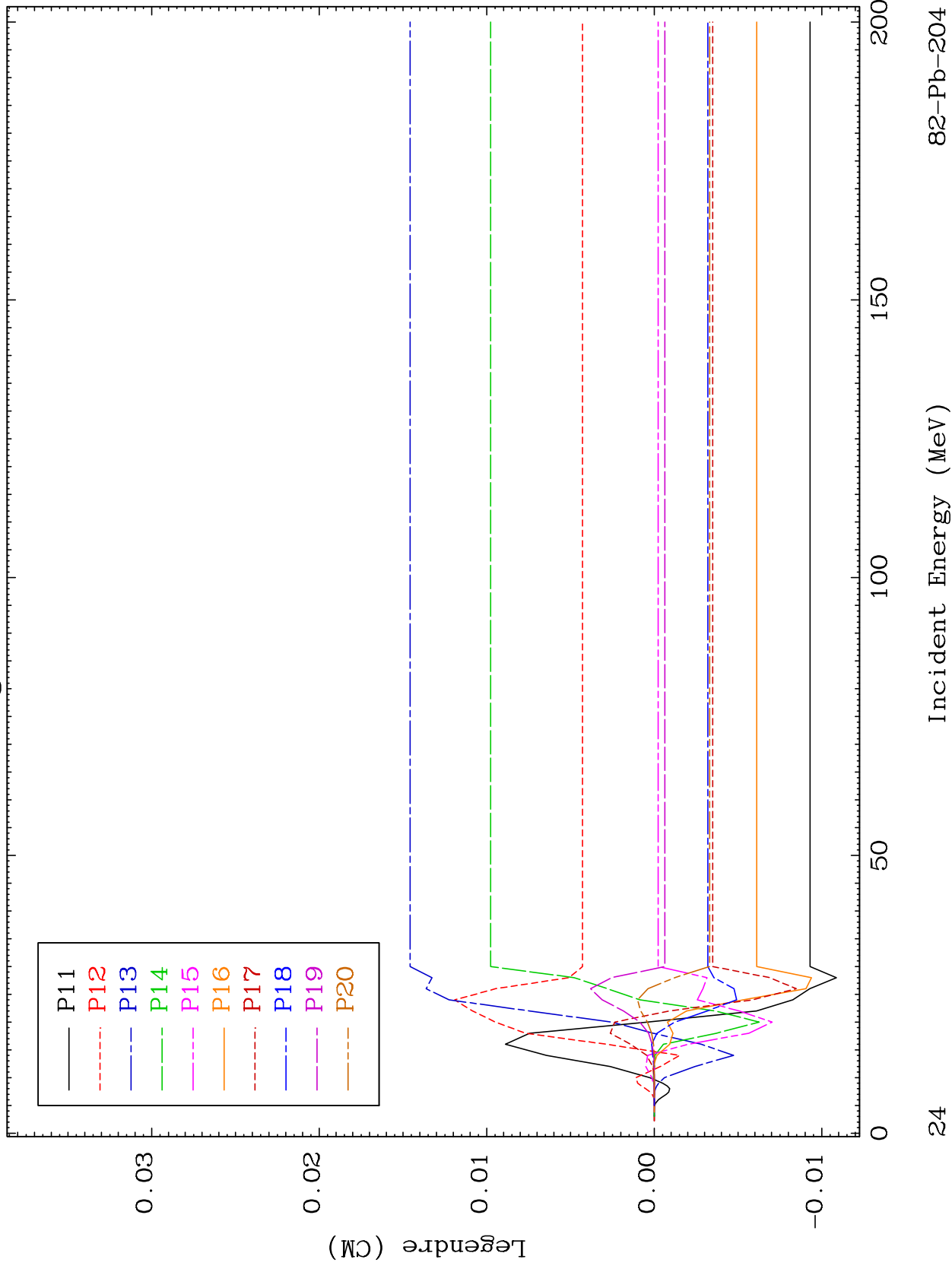




MAT 8225

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

82-Pb-204



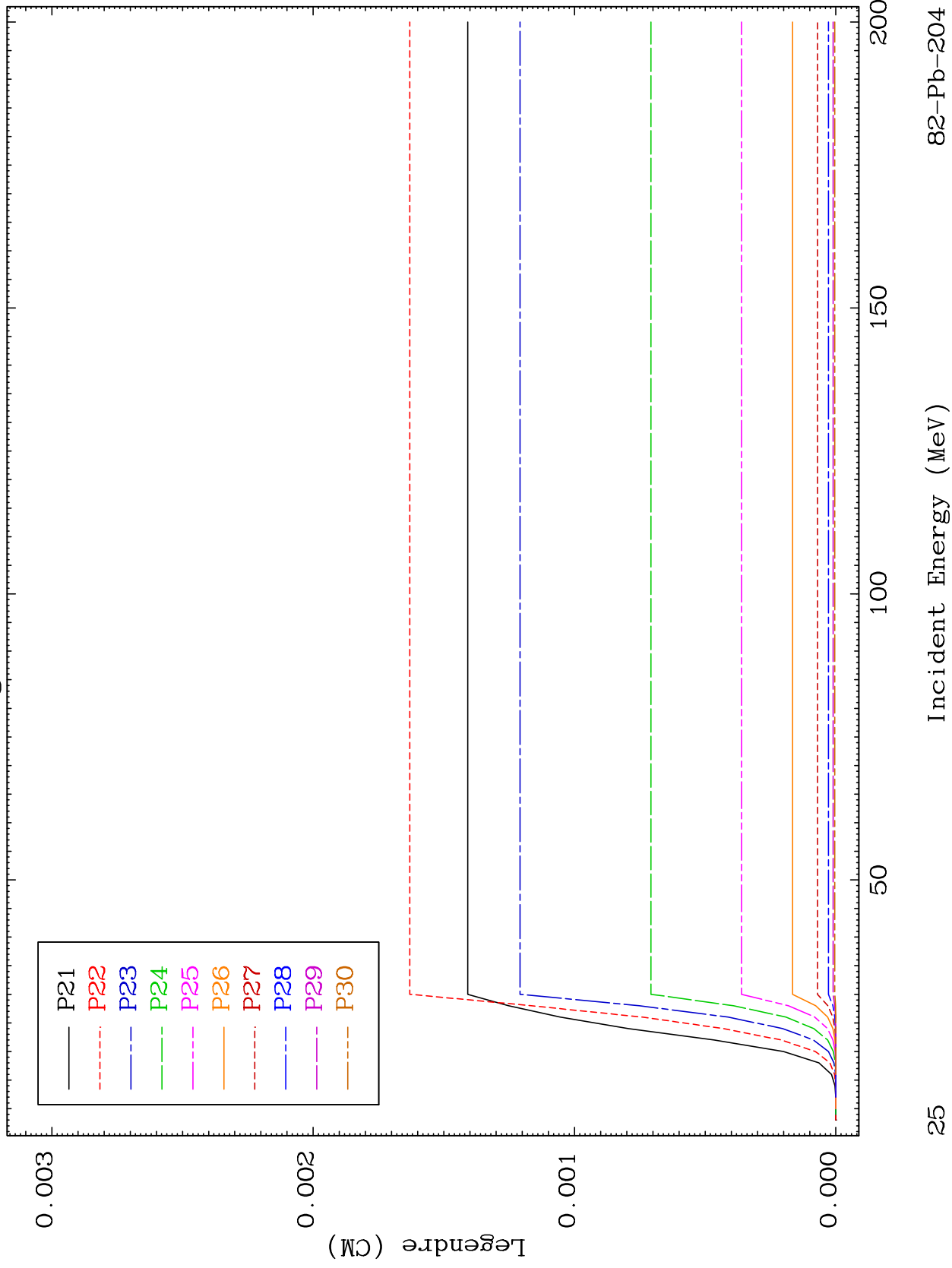
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82-Pb-204

MAT 8225

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

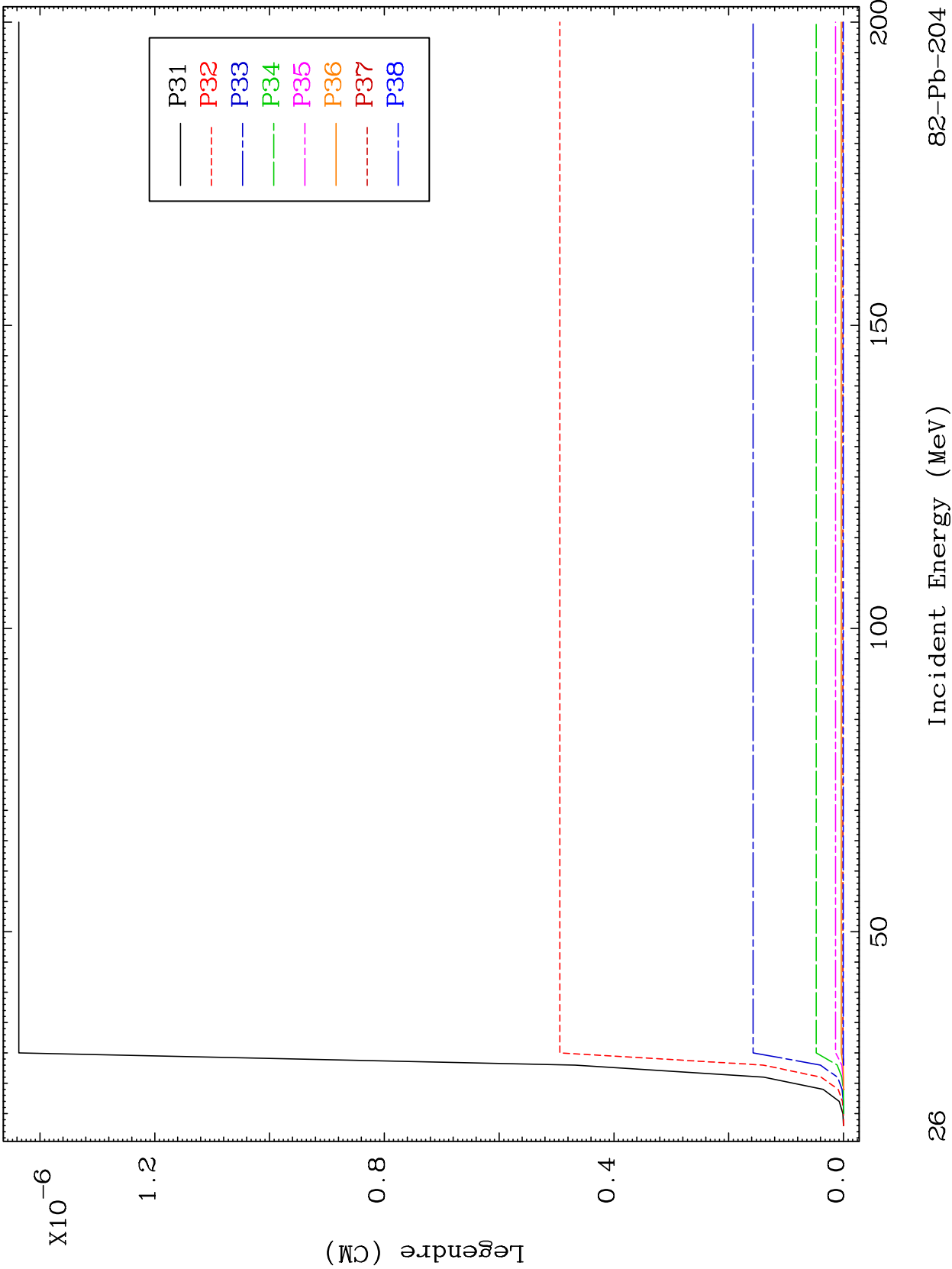
82-Pb-204



MAT 8225

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

82-Pb-204

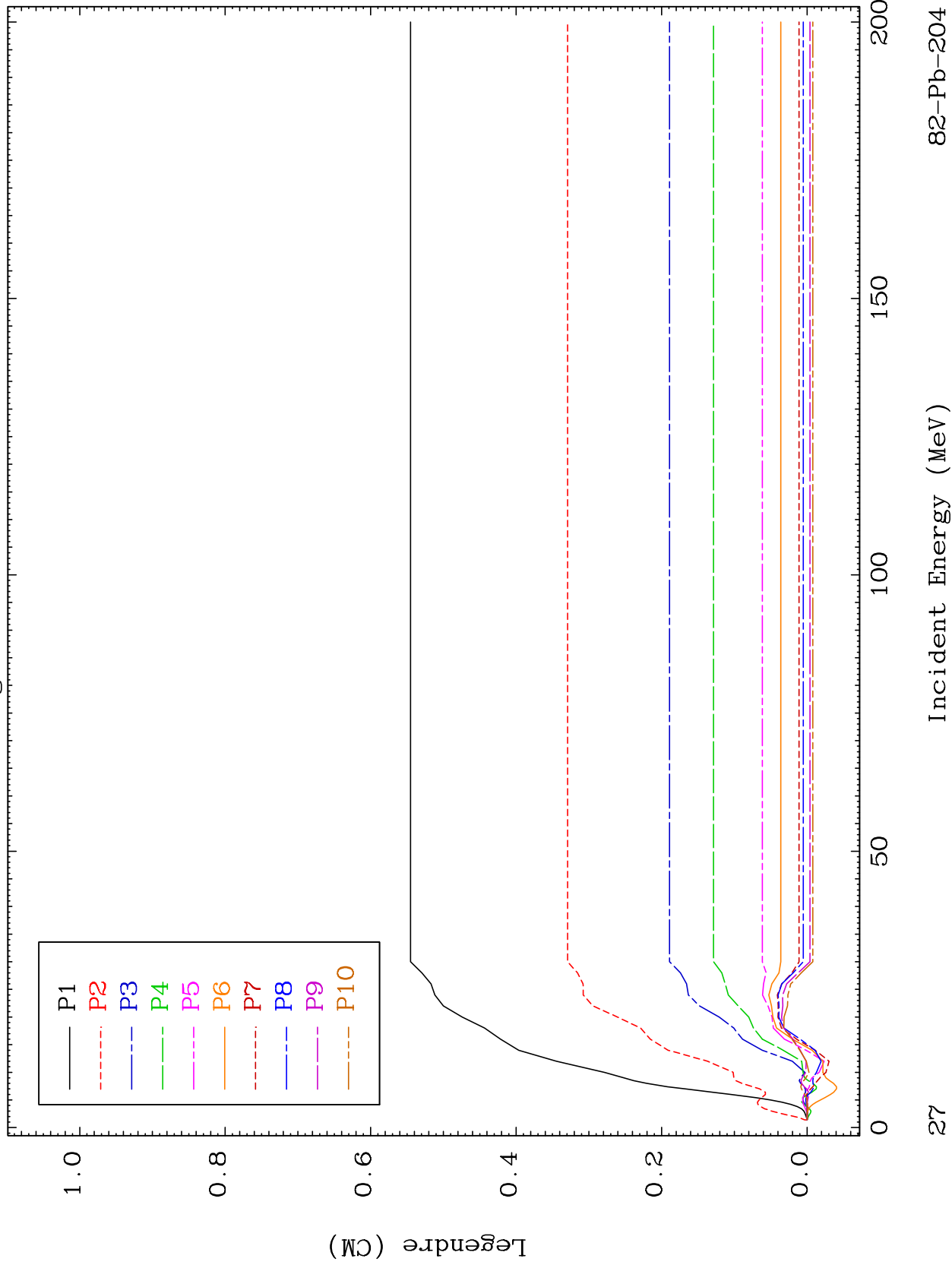


26

MAT 8225

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

82-Pb-204



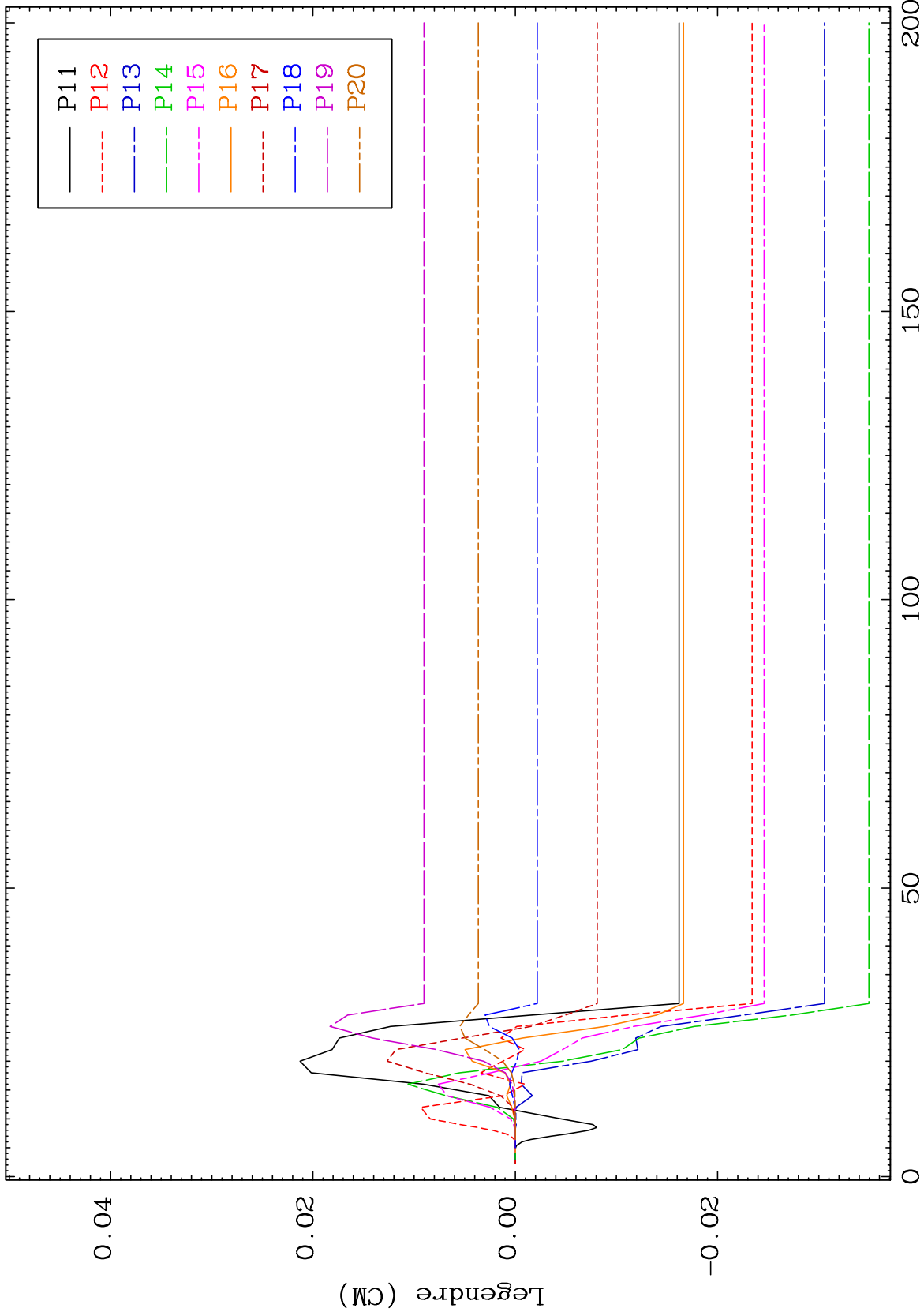
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82-Pb-204

MAT 8225

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

82-Pb-204



28

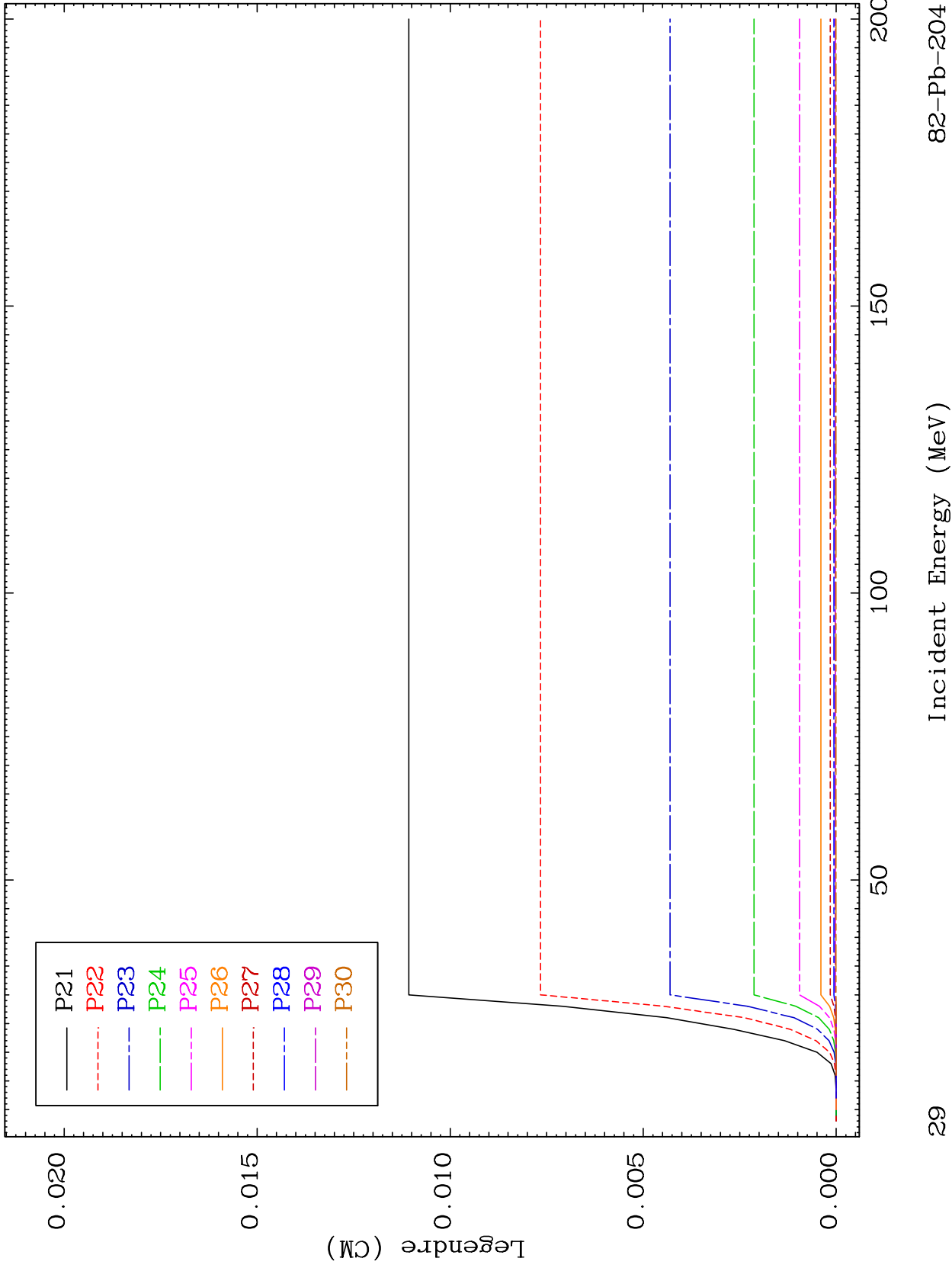
Incident Energy (MeV)

82-Pb-204

MAT 8225

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

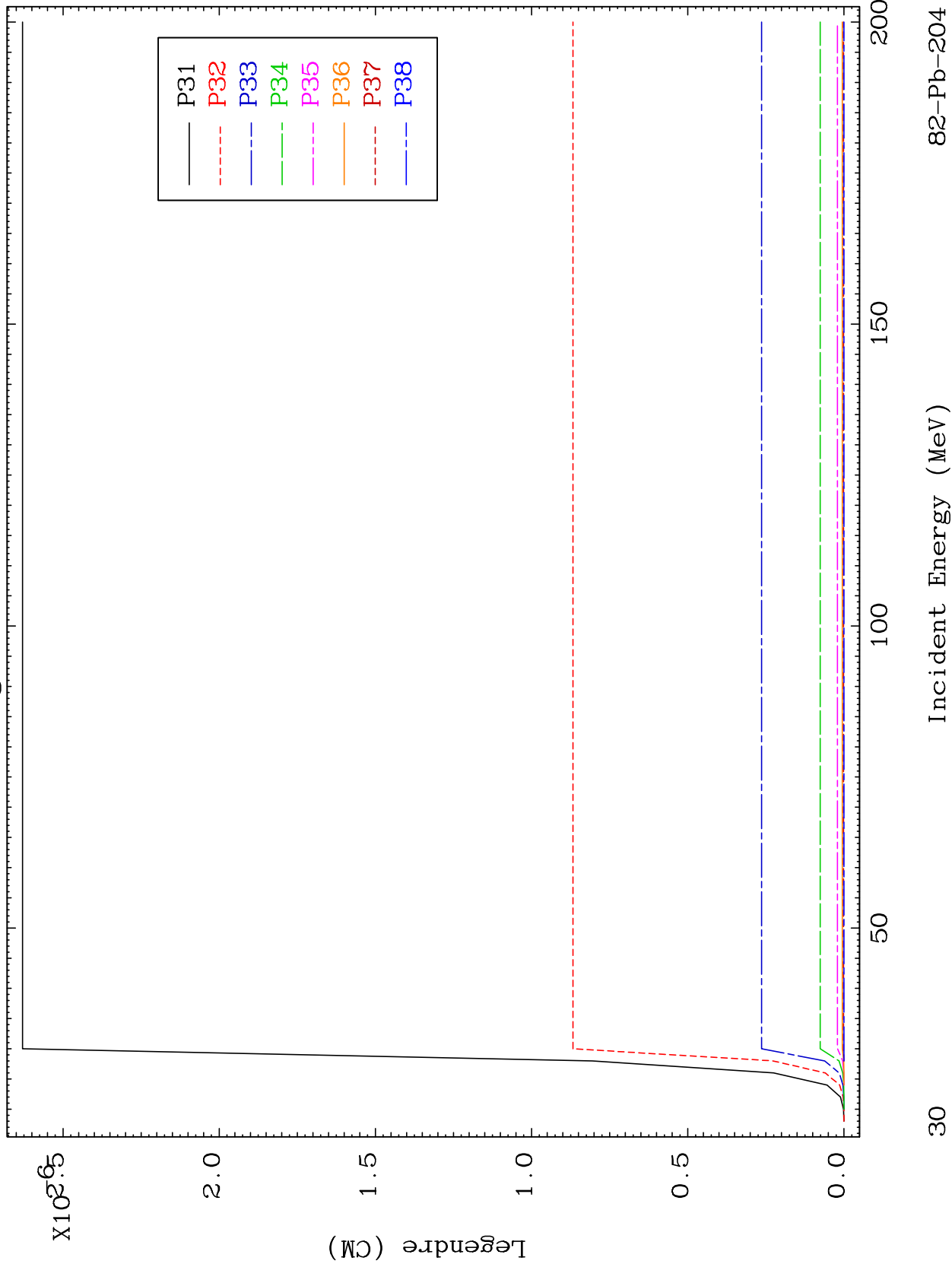
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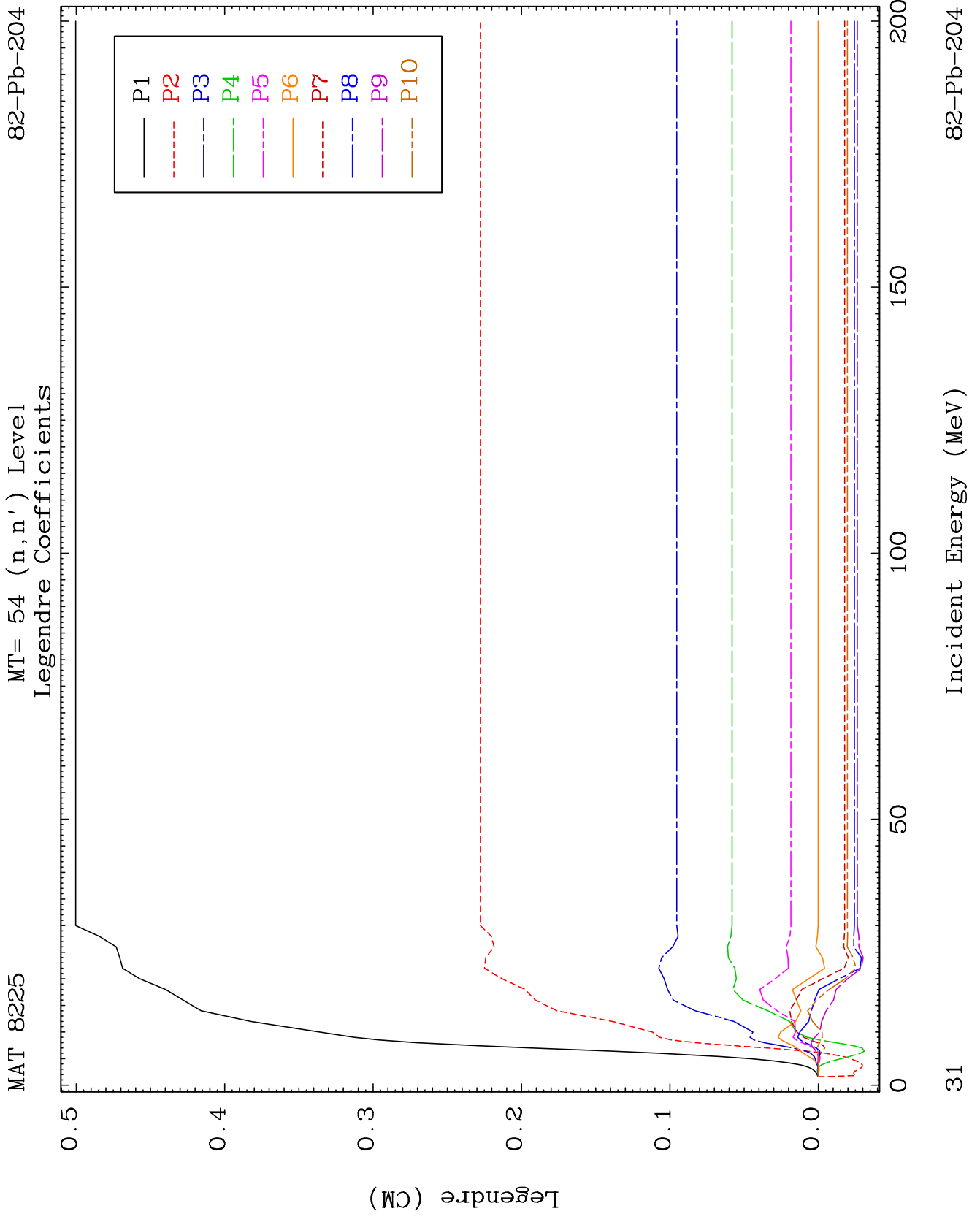


MAT 8225

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

82-Pb-204

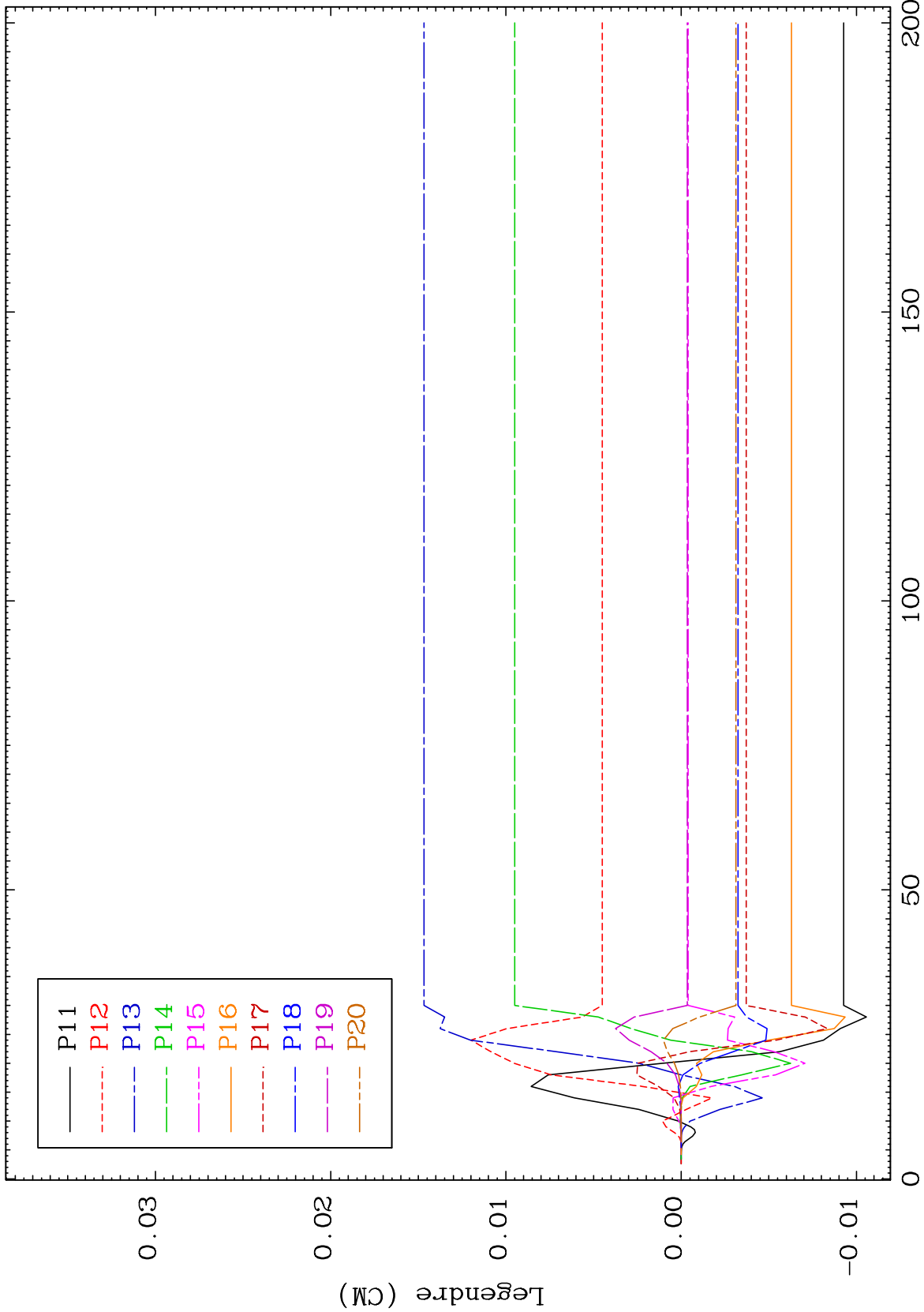




MAT 8225

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

82-Pb-204



32

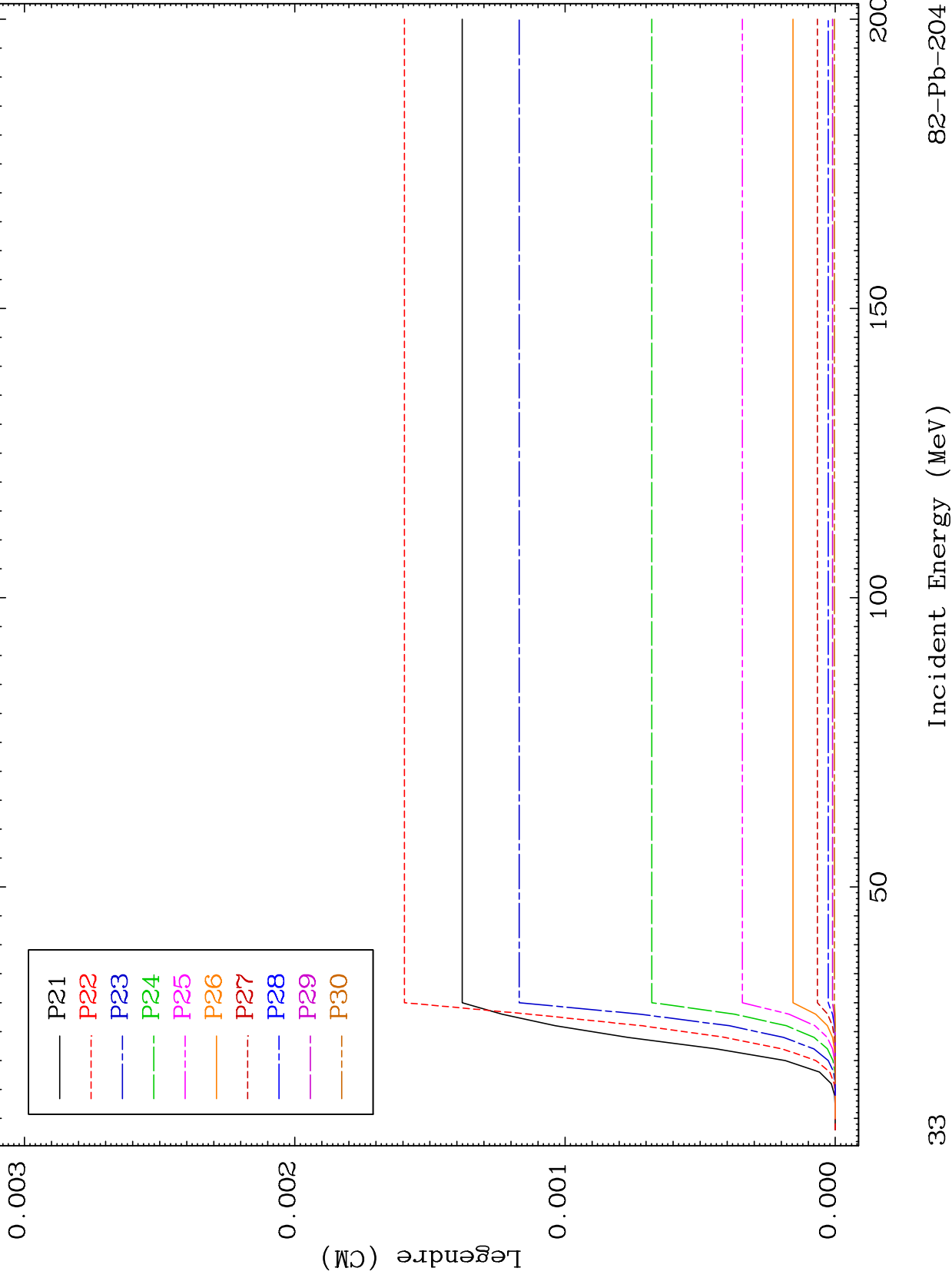
Incident Energy (MeV)

82-Pb-204

MAT 8225

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

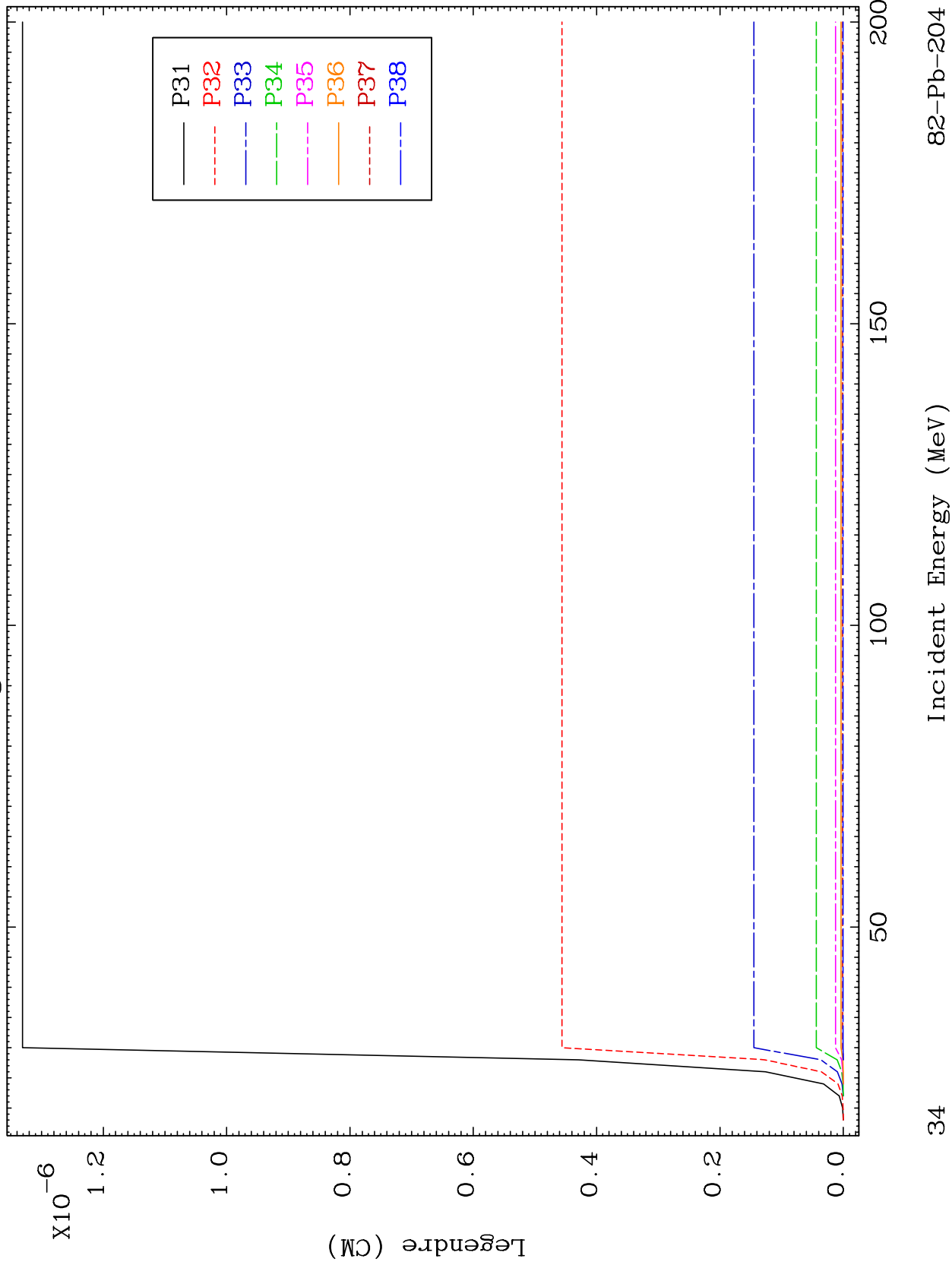
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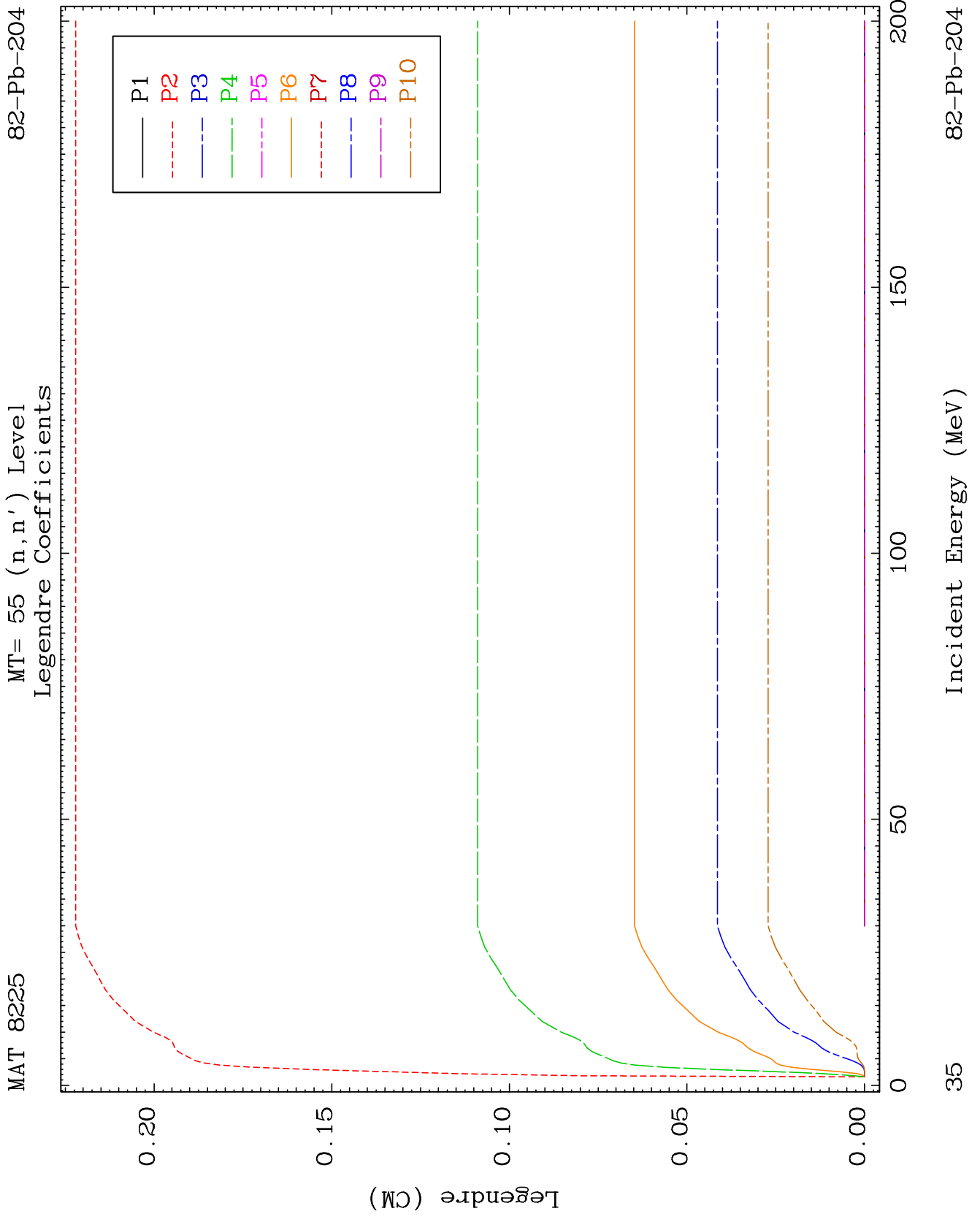


MAT 8225

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

82-Pb-204

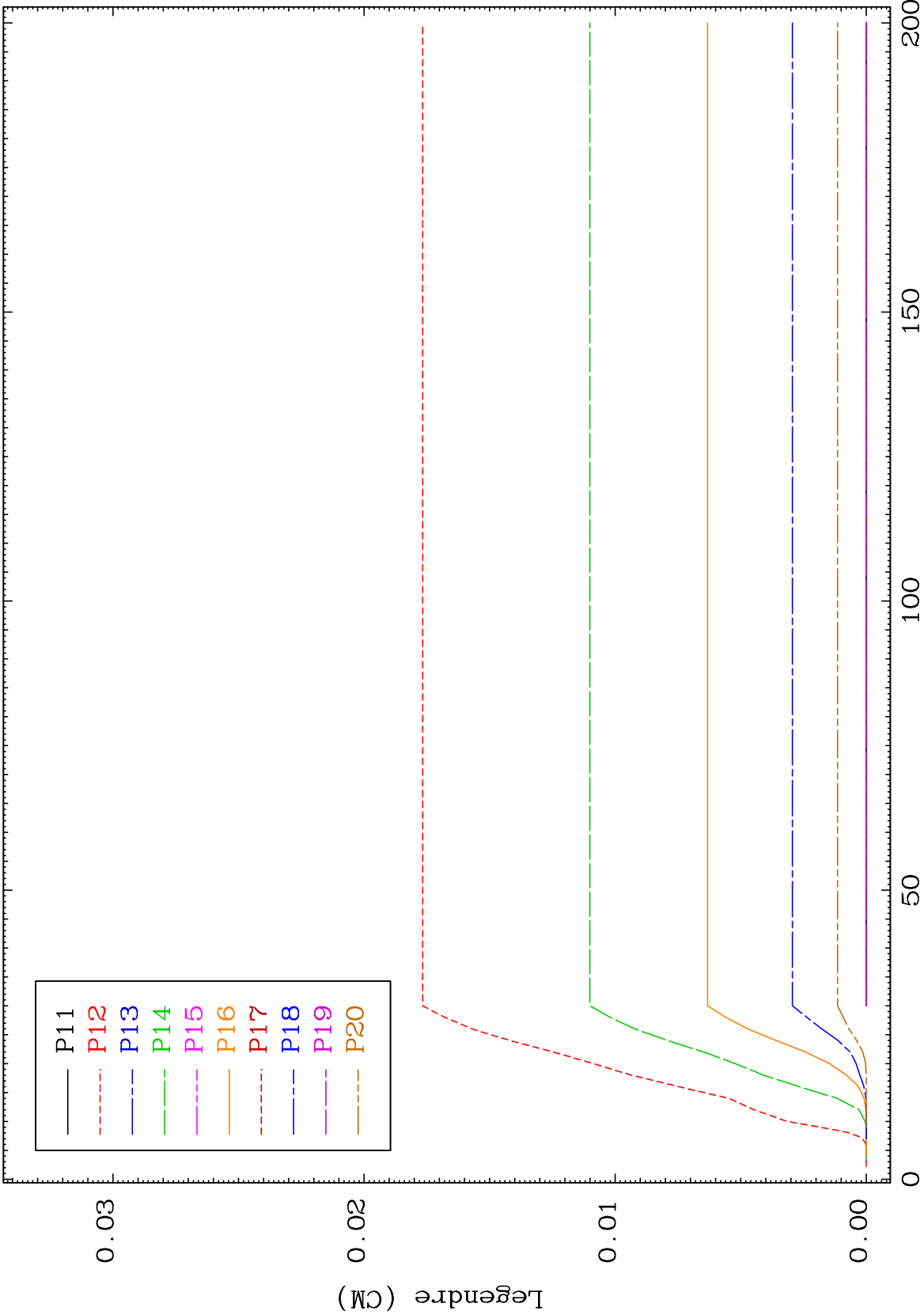




MAT 8225

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

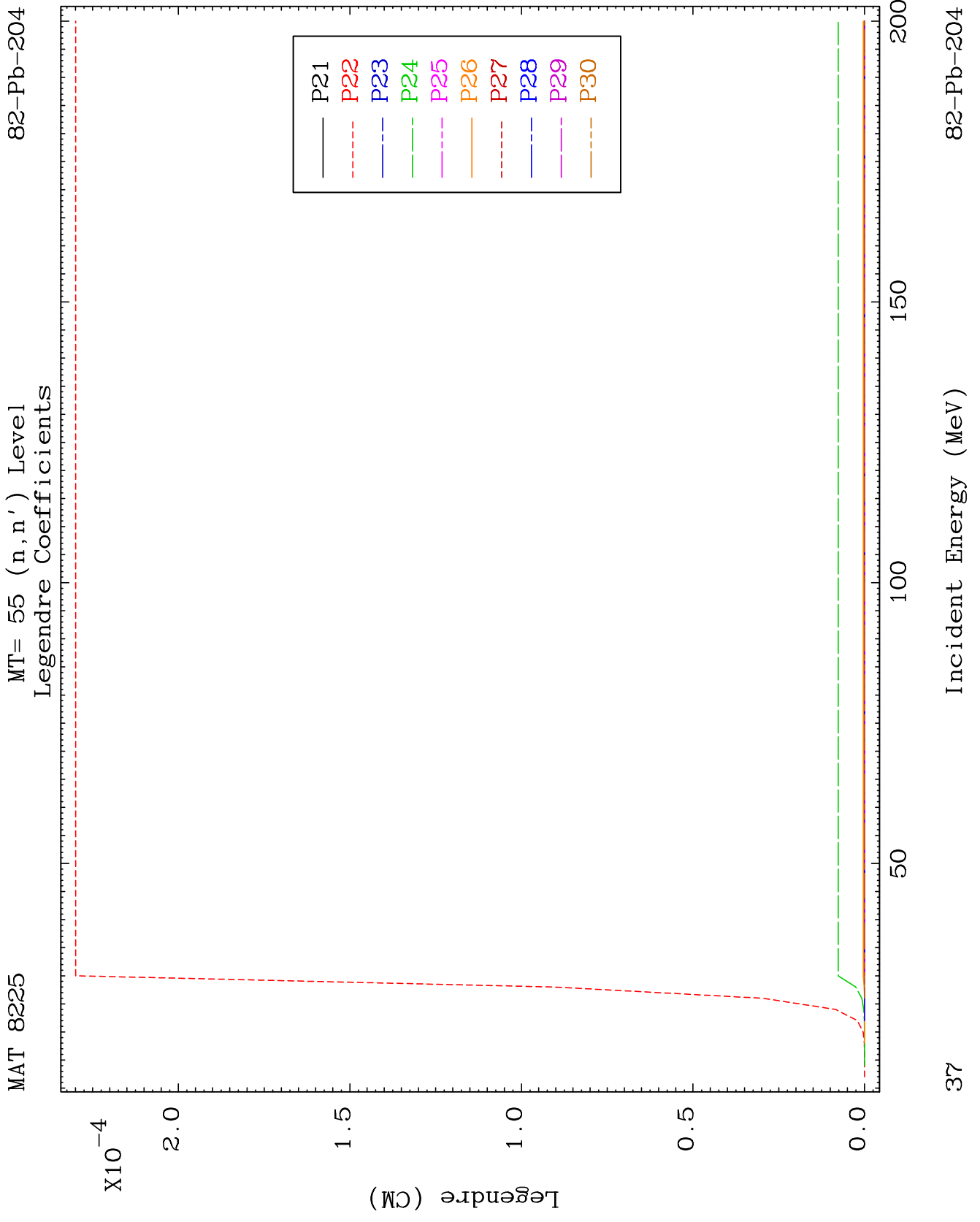
82-Pb-204



36

Incident Energy (MeV)

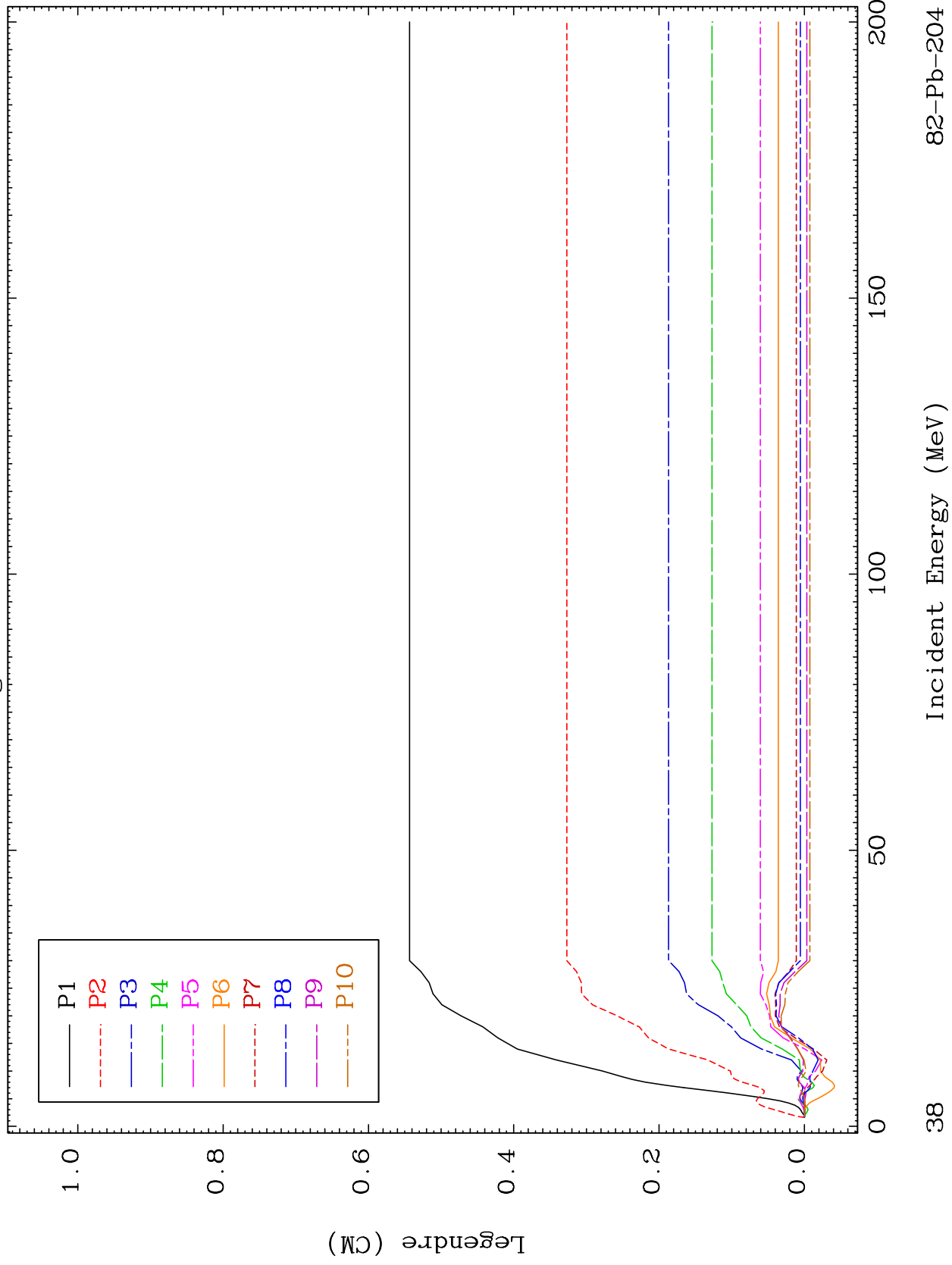
82-Pb-204



MAT 8225

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

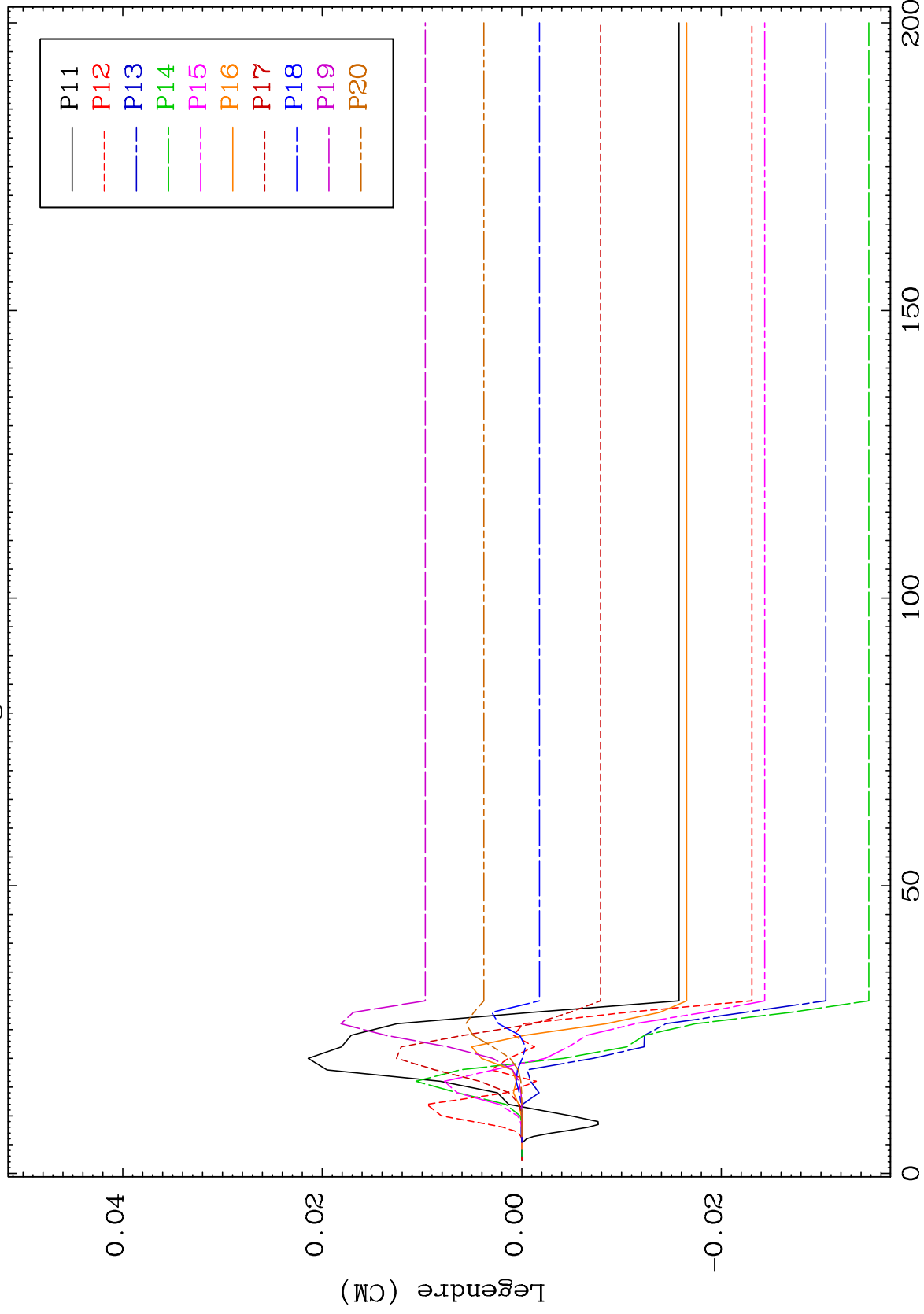
82-Pb-204



MAT 8225

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

82-Pb-204



39

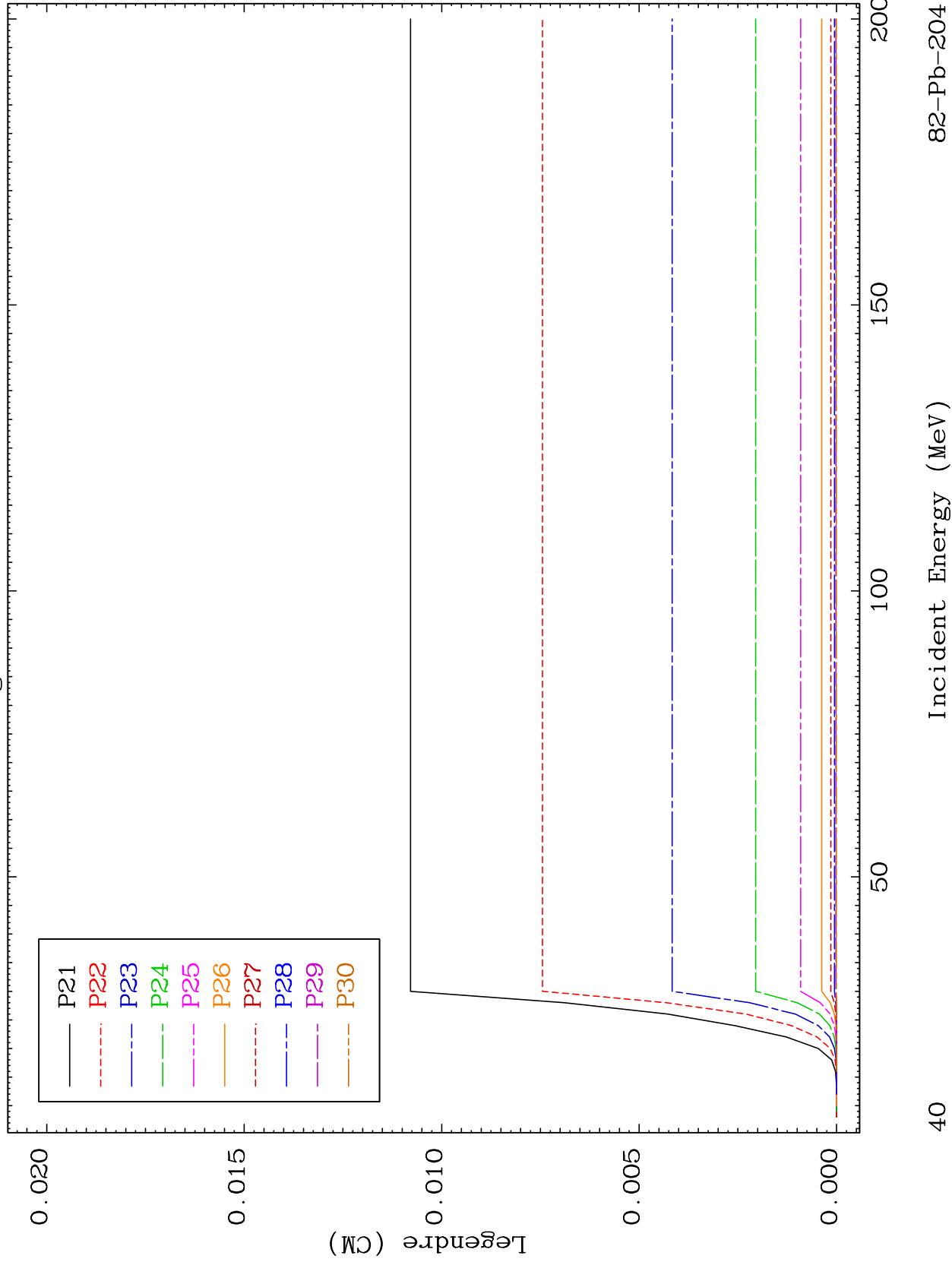
Incident Energy (MeV)

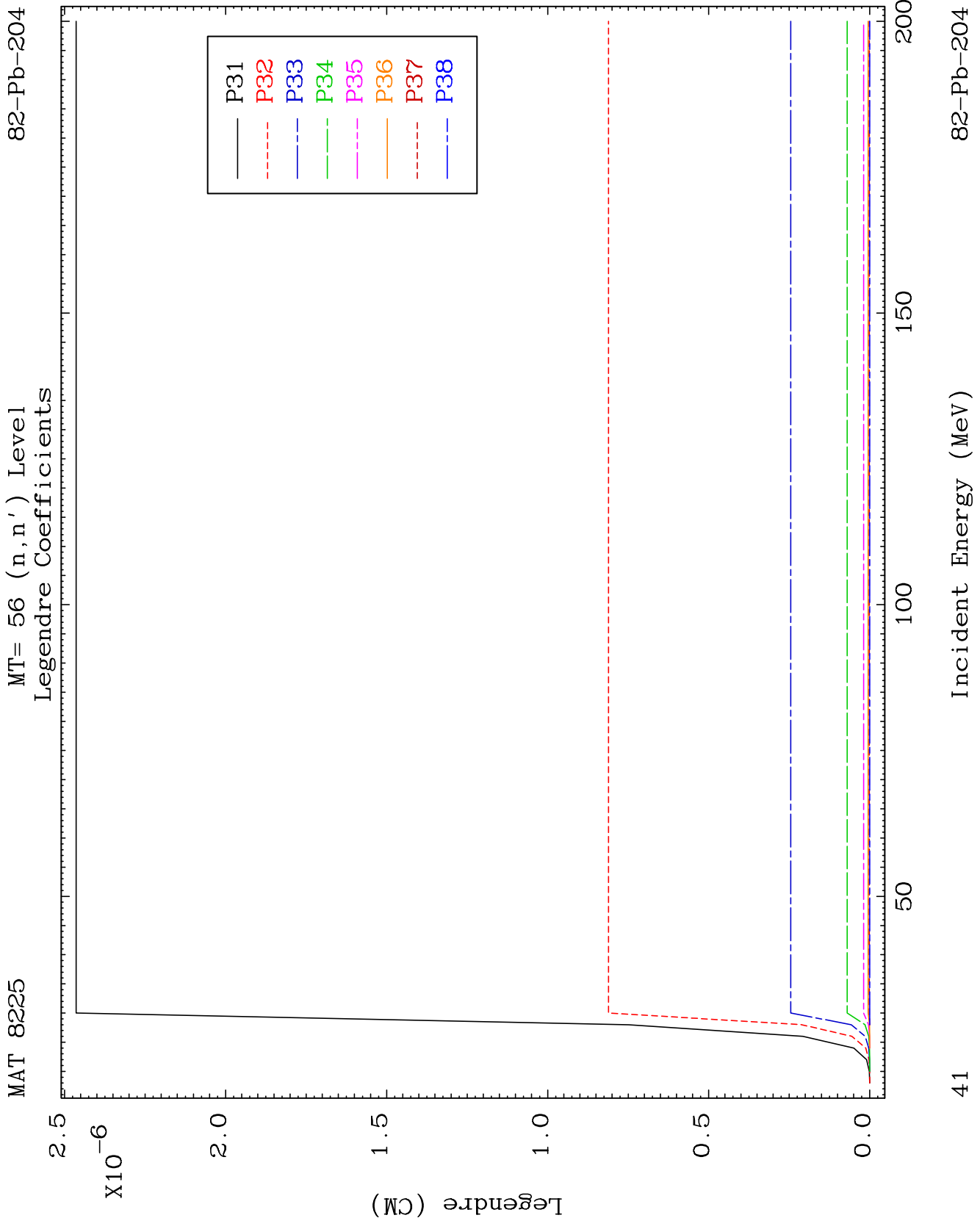
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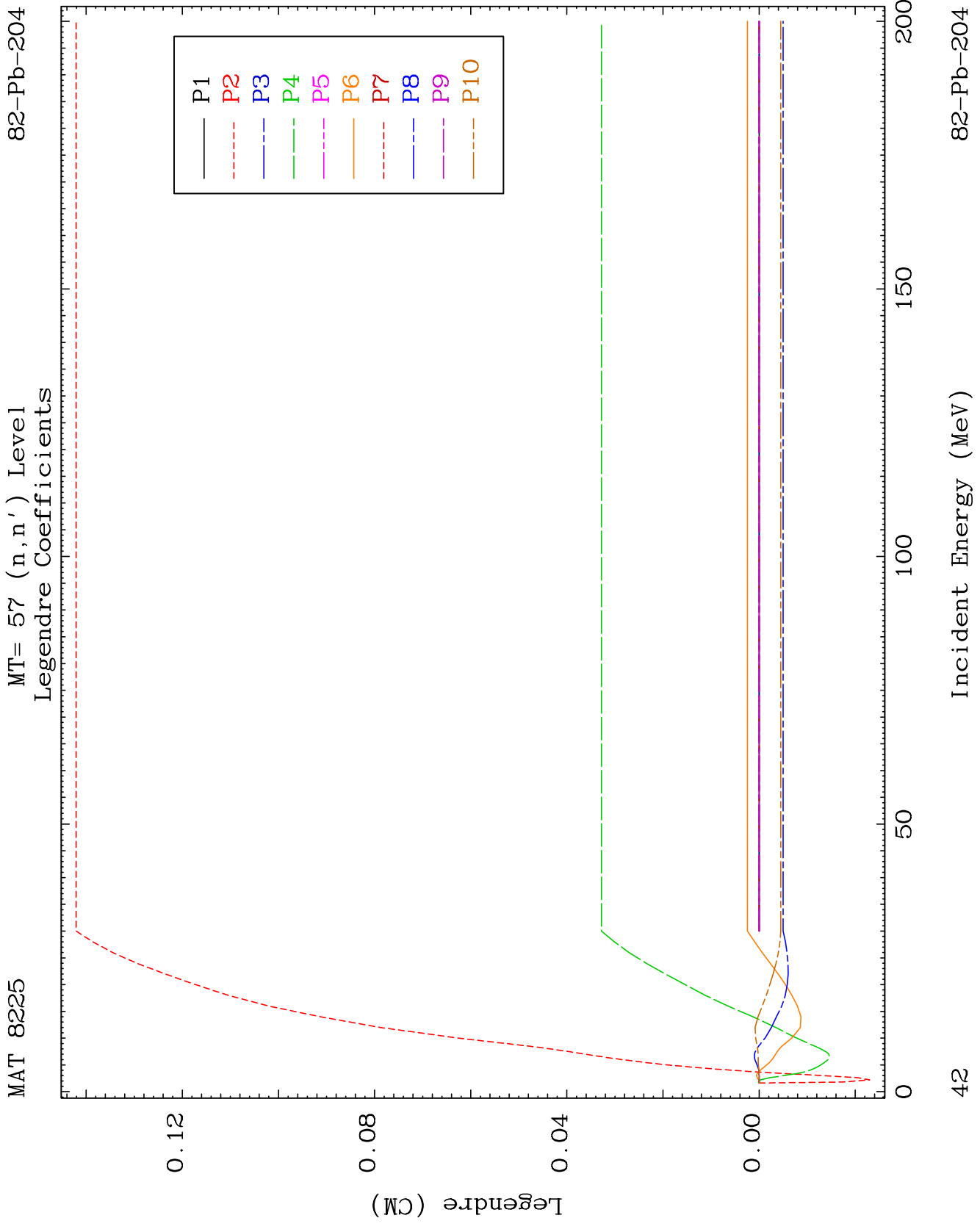
MAT 8225

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

82-Pb-204







82-Pb-204

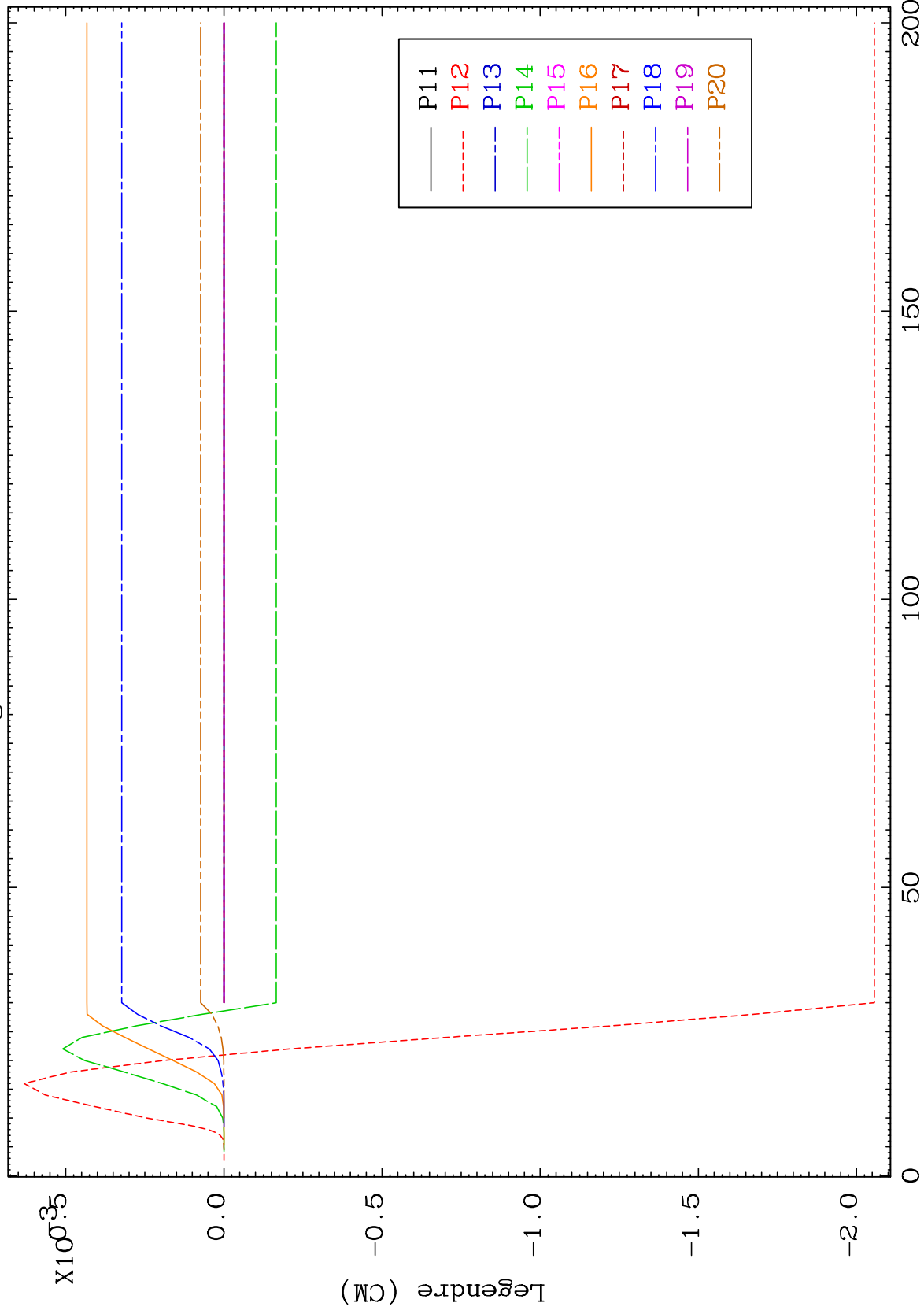
Incident Energy (MeV)

42

MAT 8225

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

82-Pb-204



43

Incident Energy (MeV)

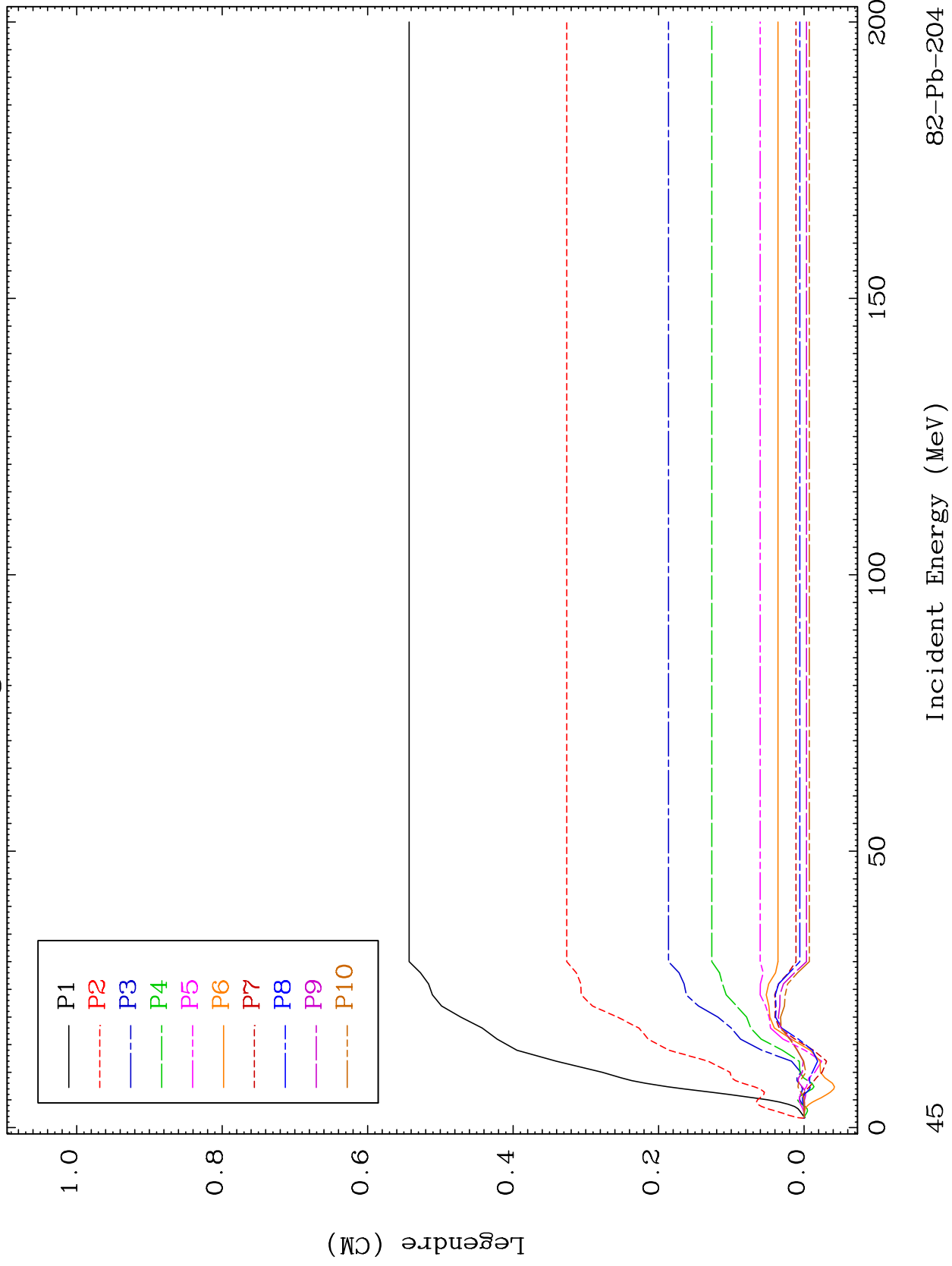
82-Pb-204



MAT 8225

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

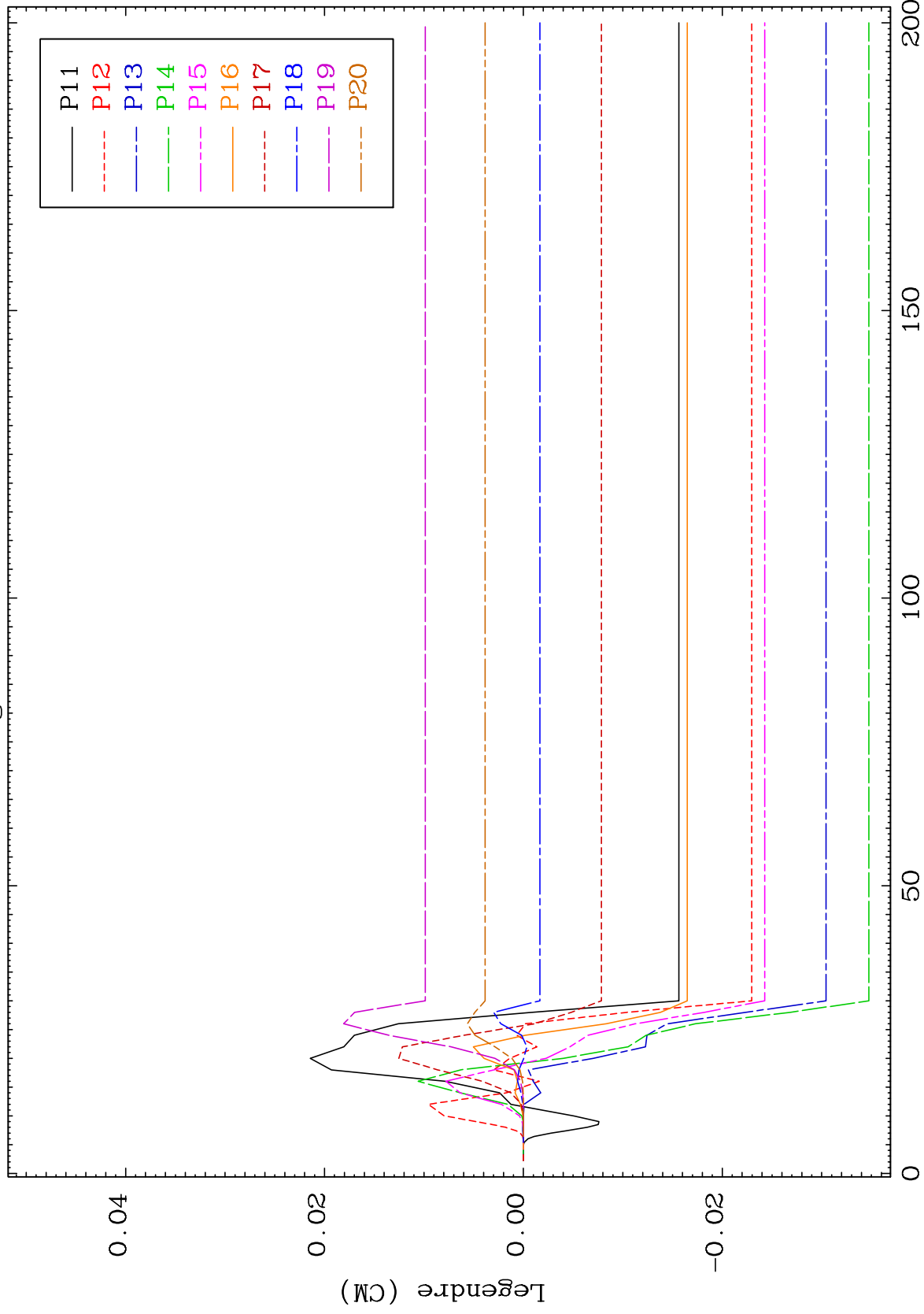
82-Pb-204



MAT 8225

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

82-Pb-204



46

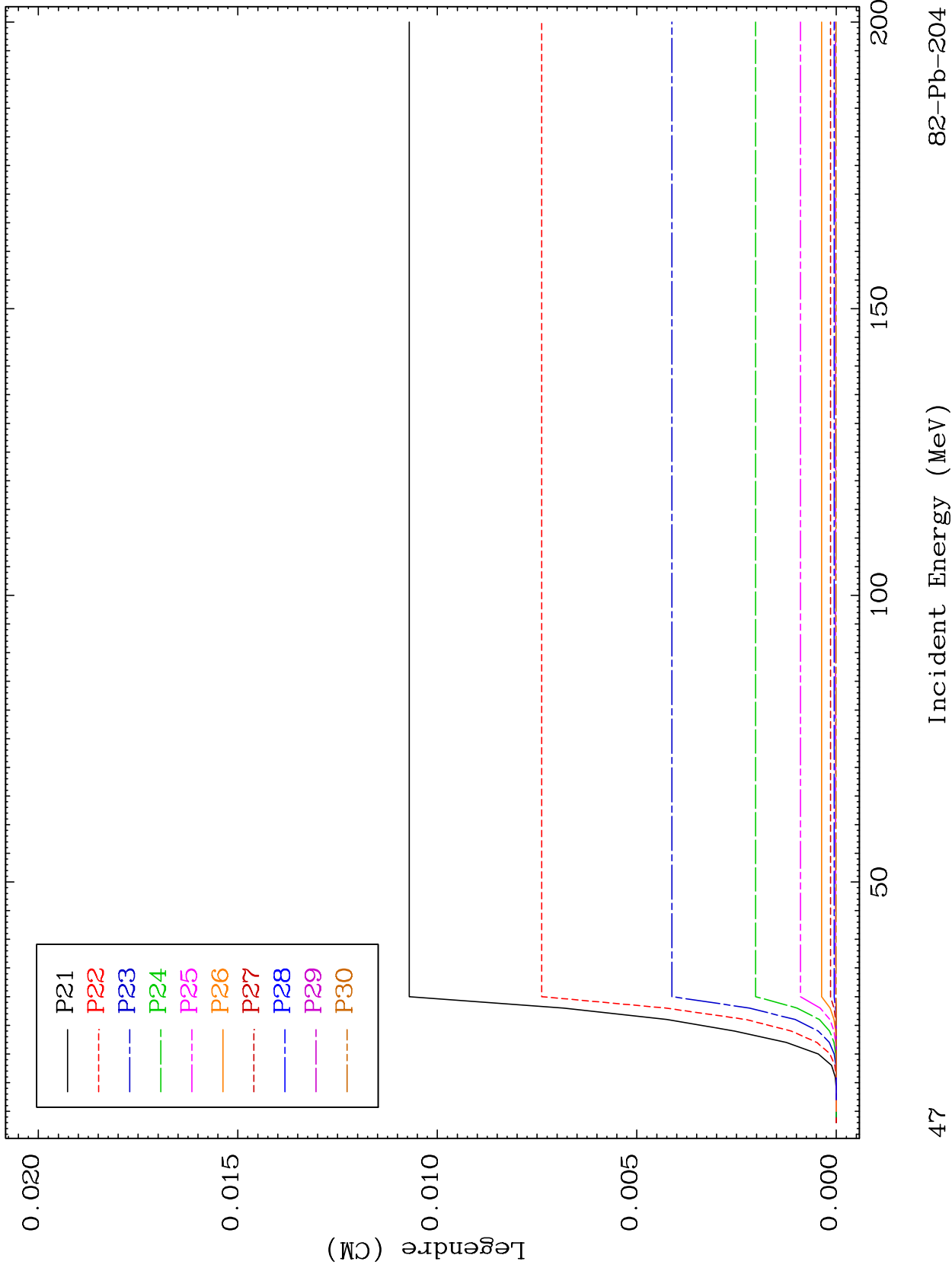
Incident Energy (MeV)

82-Pb-204

MAT 8225

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

82-Pb-204



47

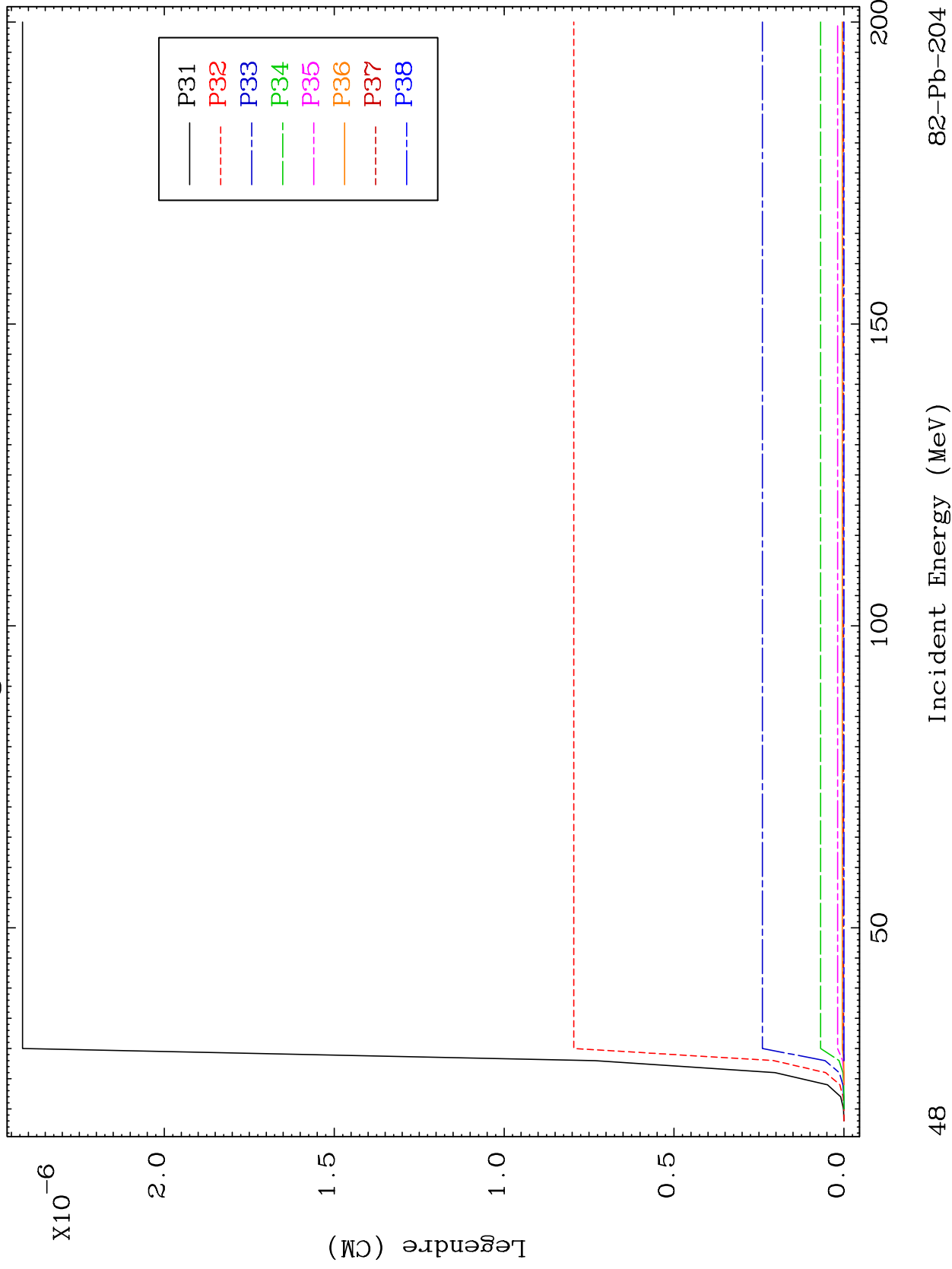
Incident Energy (MeV)

82-Pb-204

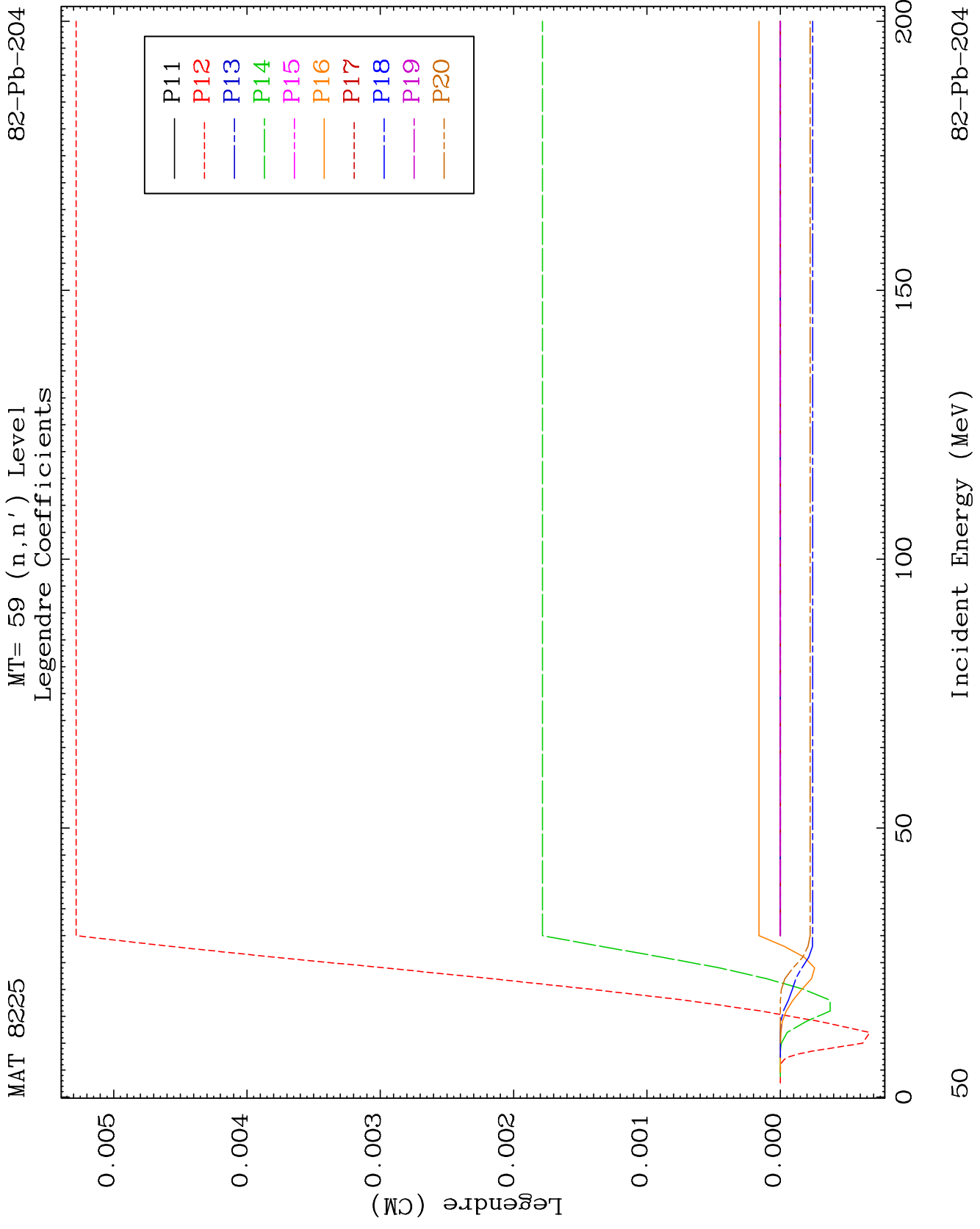
MAT 8225

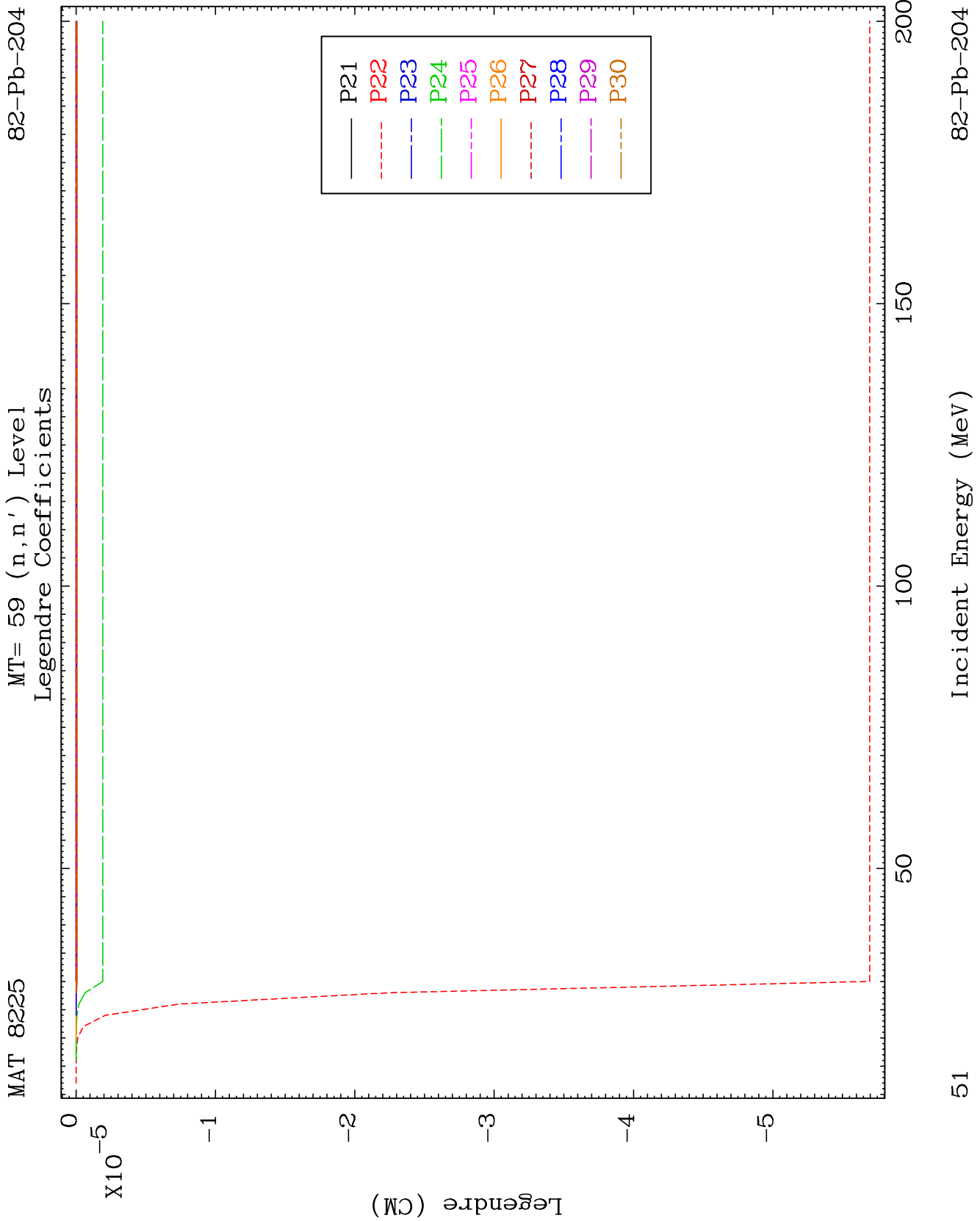
MT= 58 (n,n') Level  
Legendre Coefficients

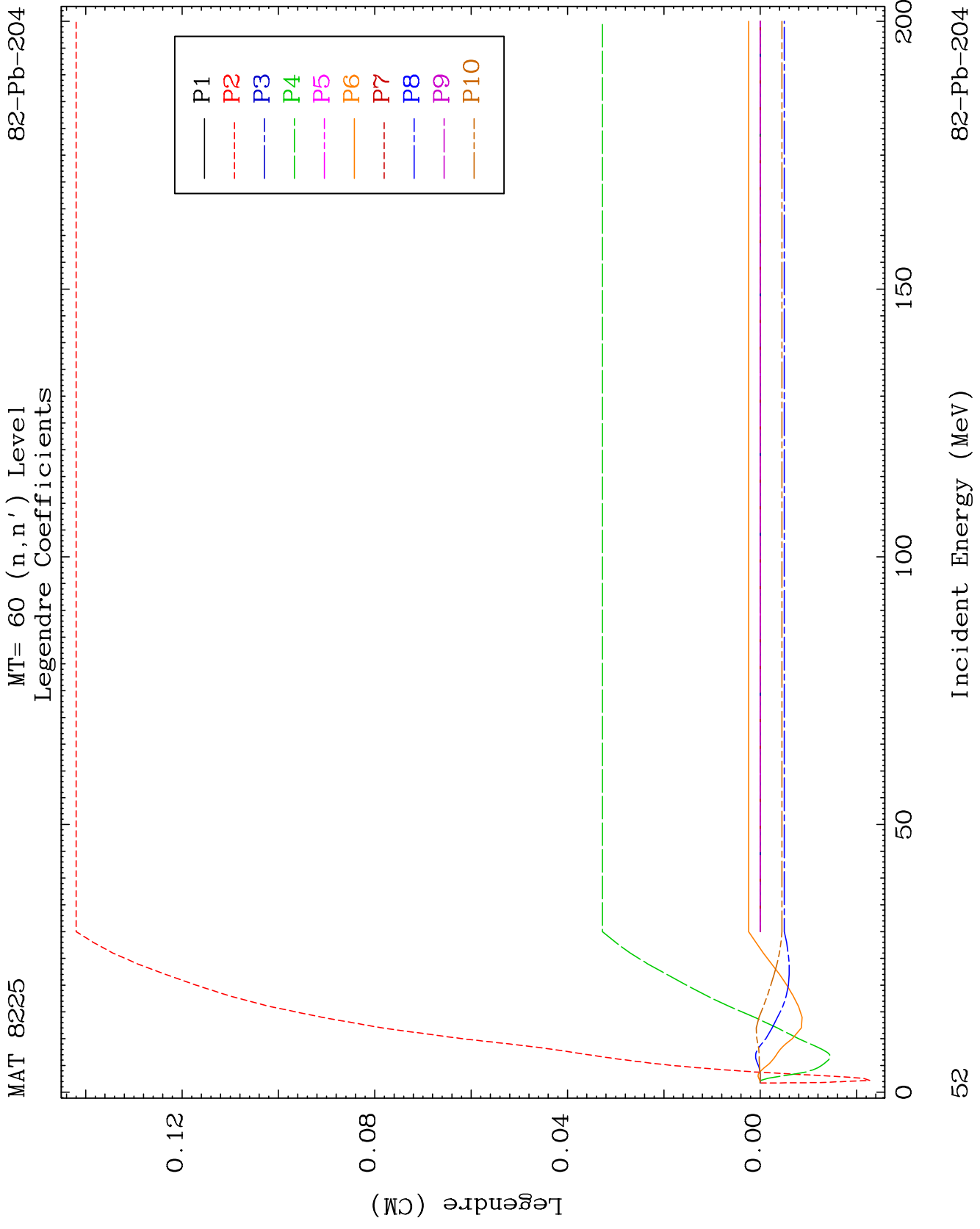
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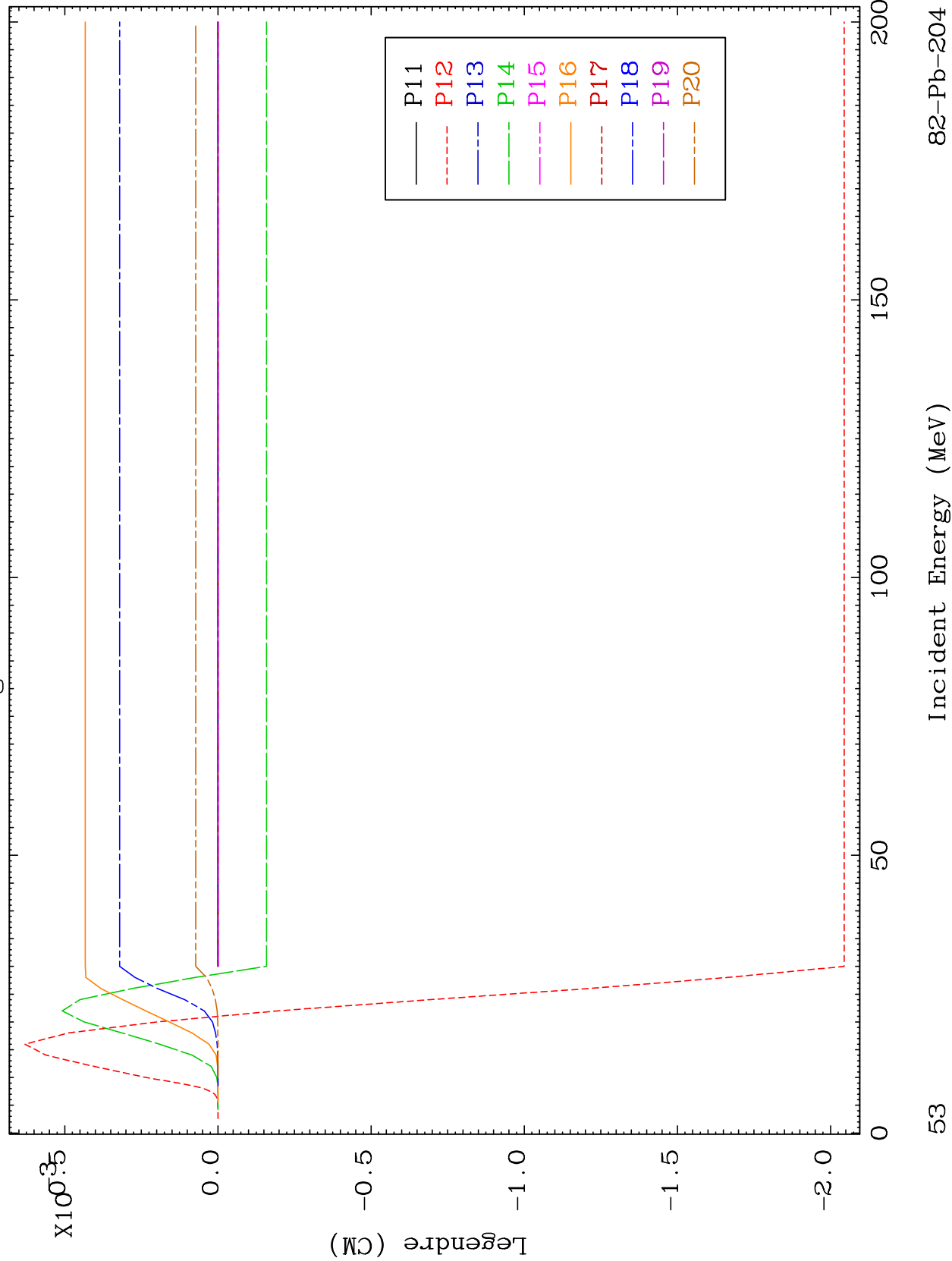


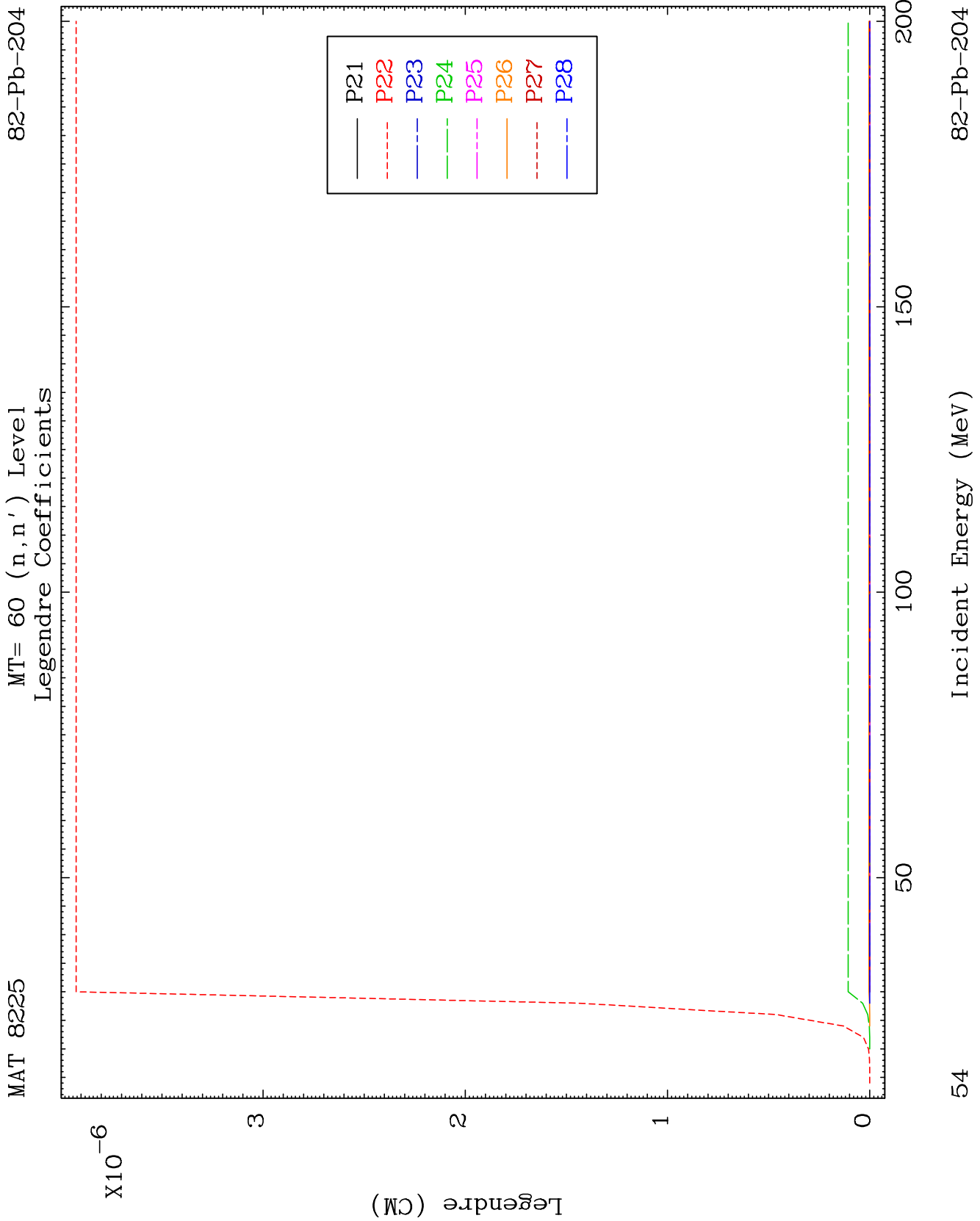


MAT 8225

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

82-Pb-204



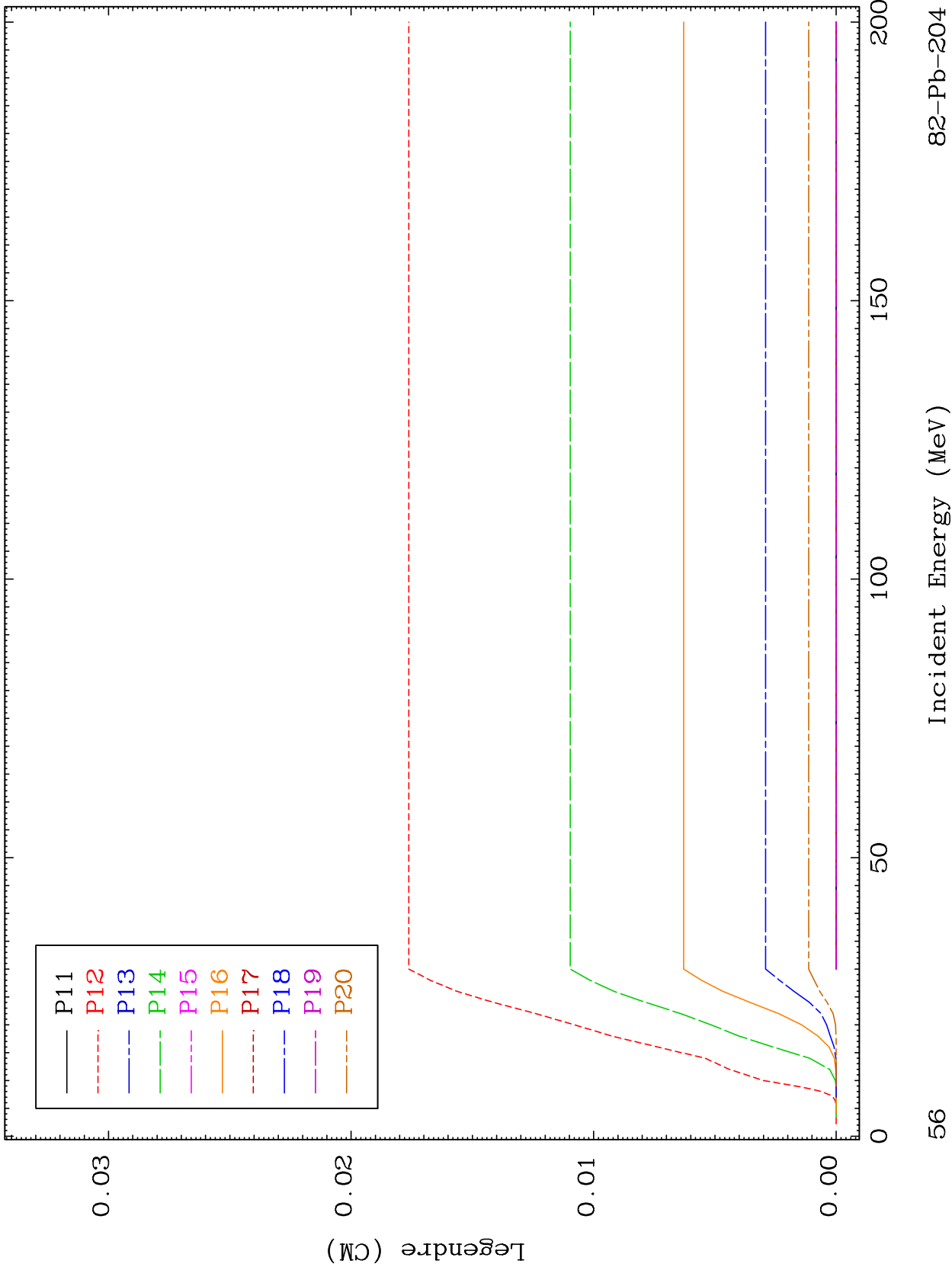




MAT 8225

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

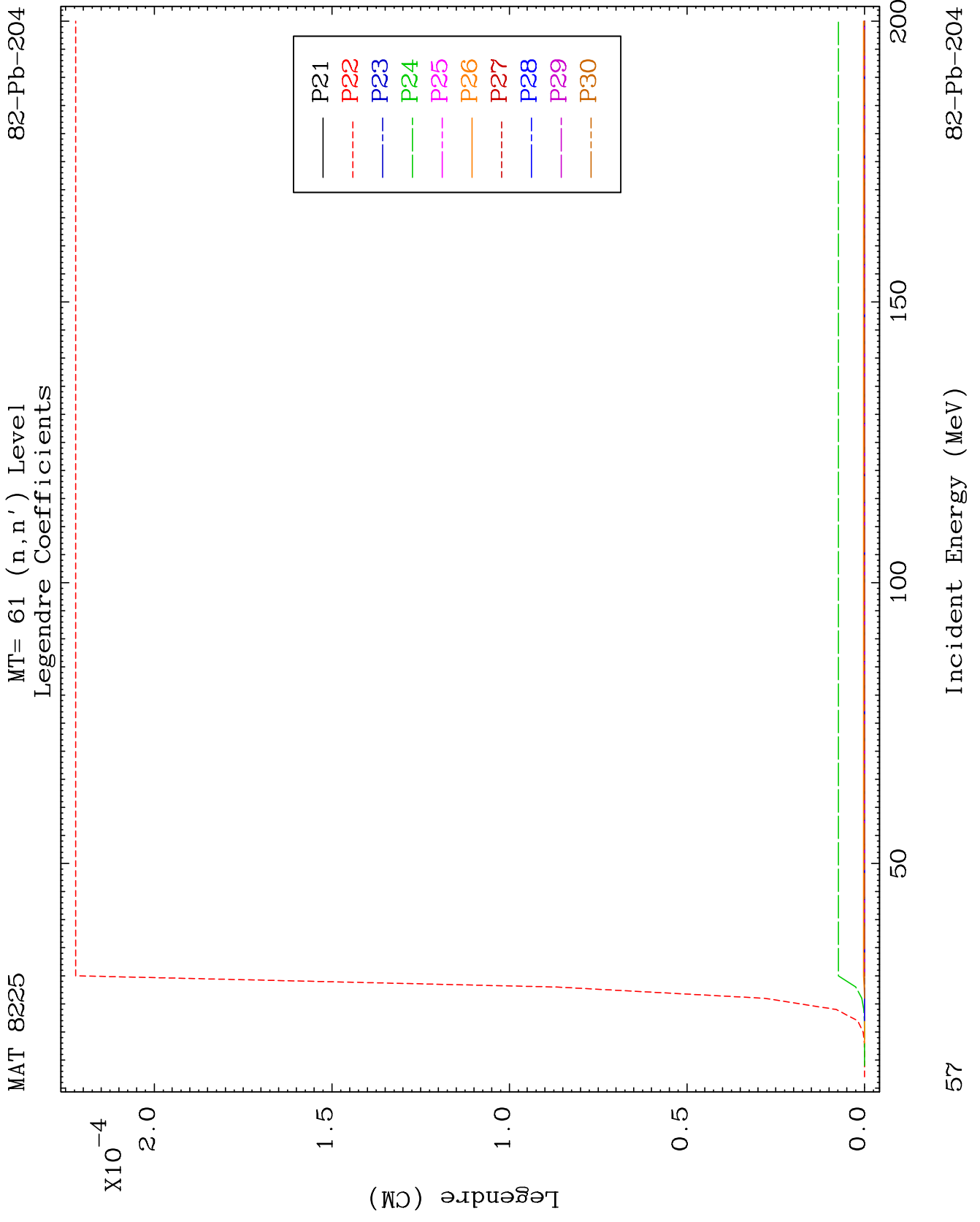
82-Pb-204



56

Incident Energy (MeV)

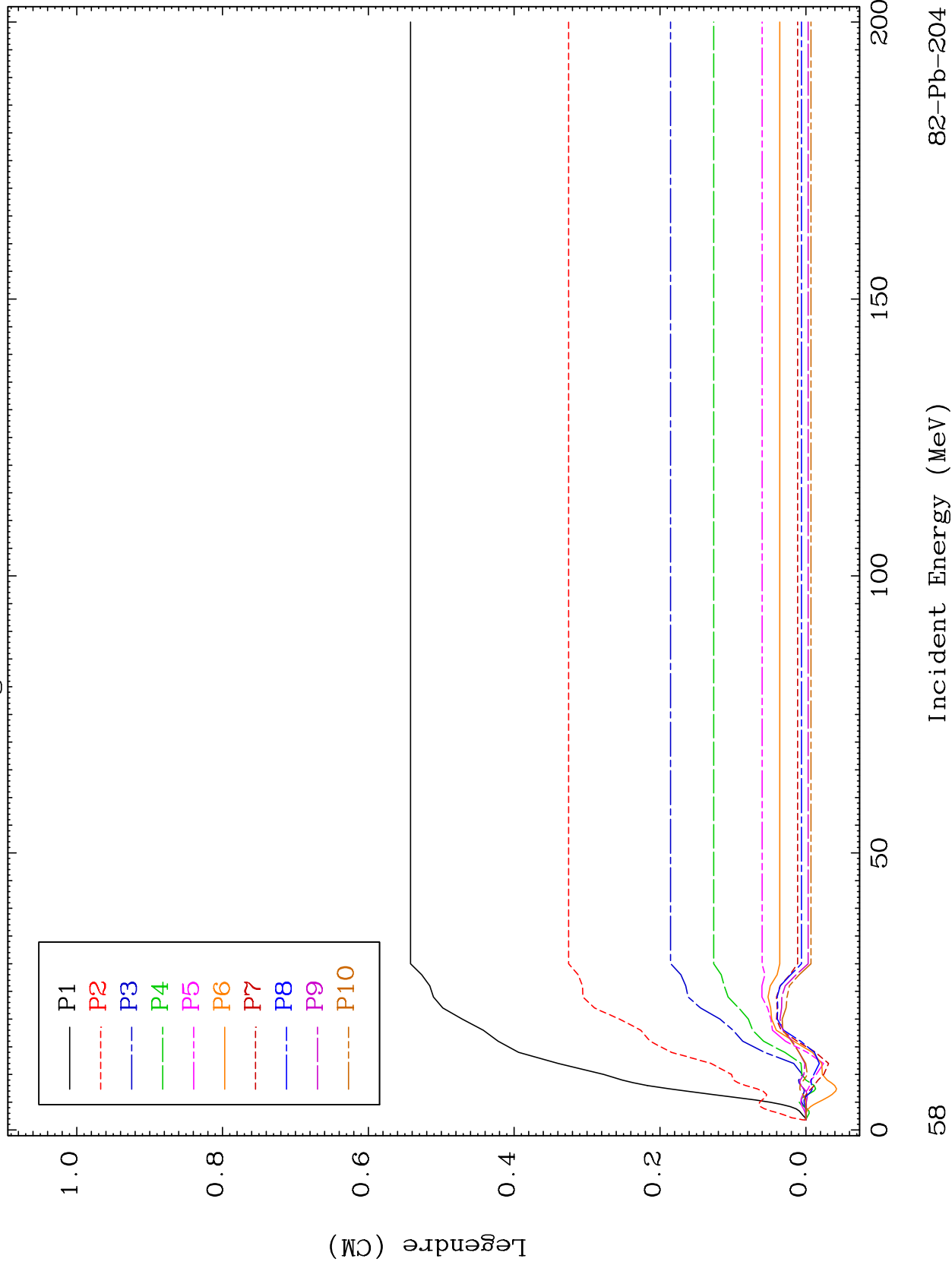
82-Pb-204



MAT 8225

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

82-Pb-204



82-Pb-204

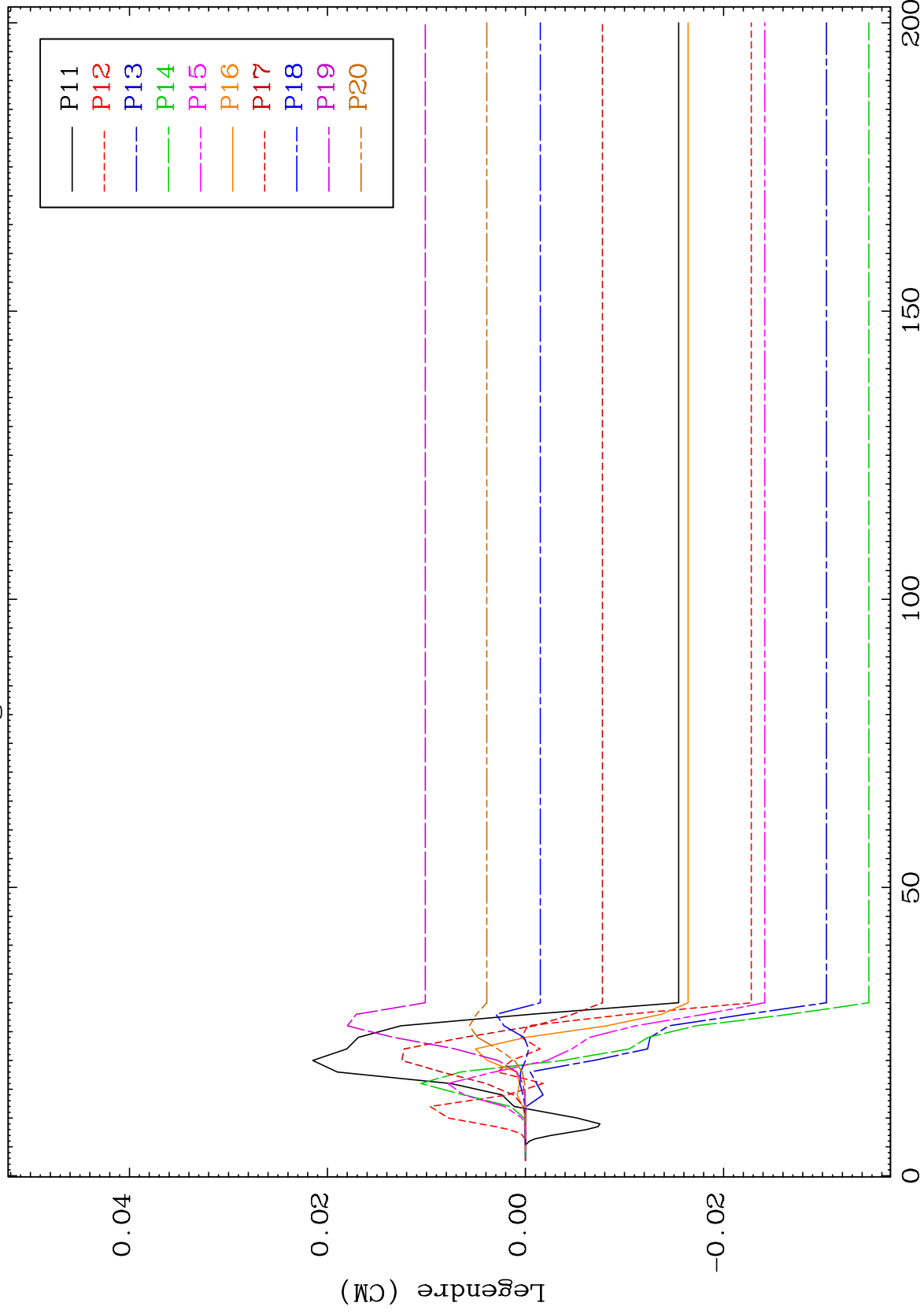
Incident Energy (MeV)

58

MAT 8225

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

82-Pb-204



59

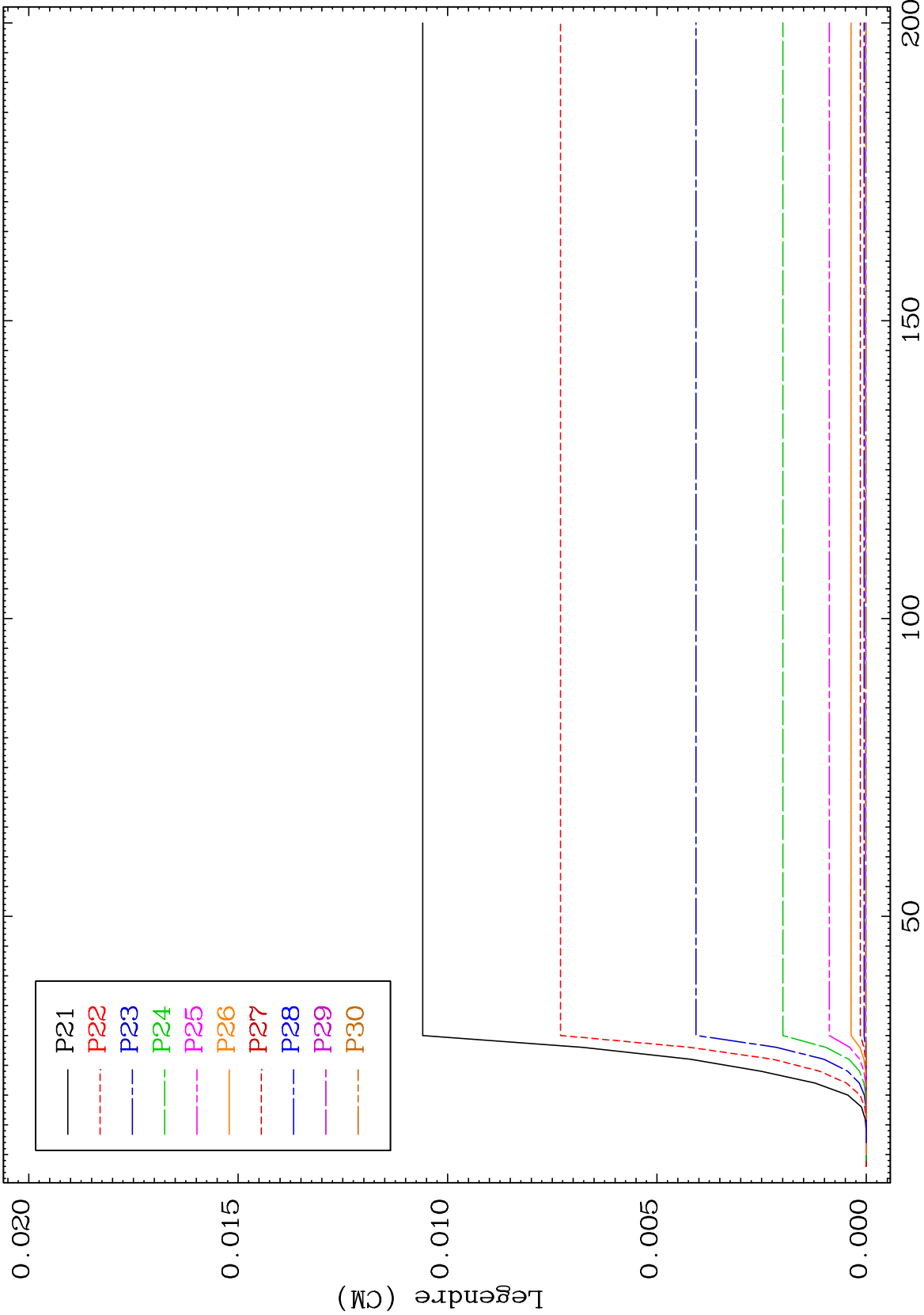
Incident Energy (MeV)

82-Pb-204

MAT 8225

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

82-Pb-204



60

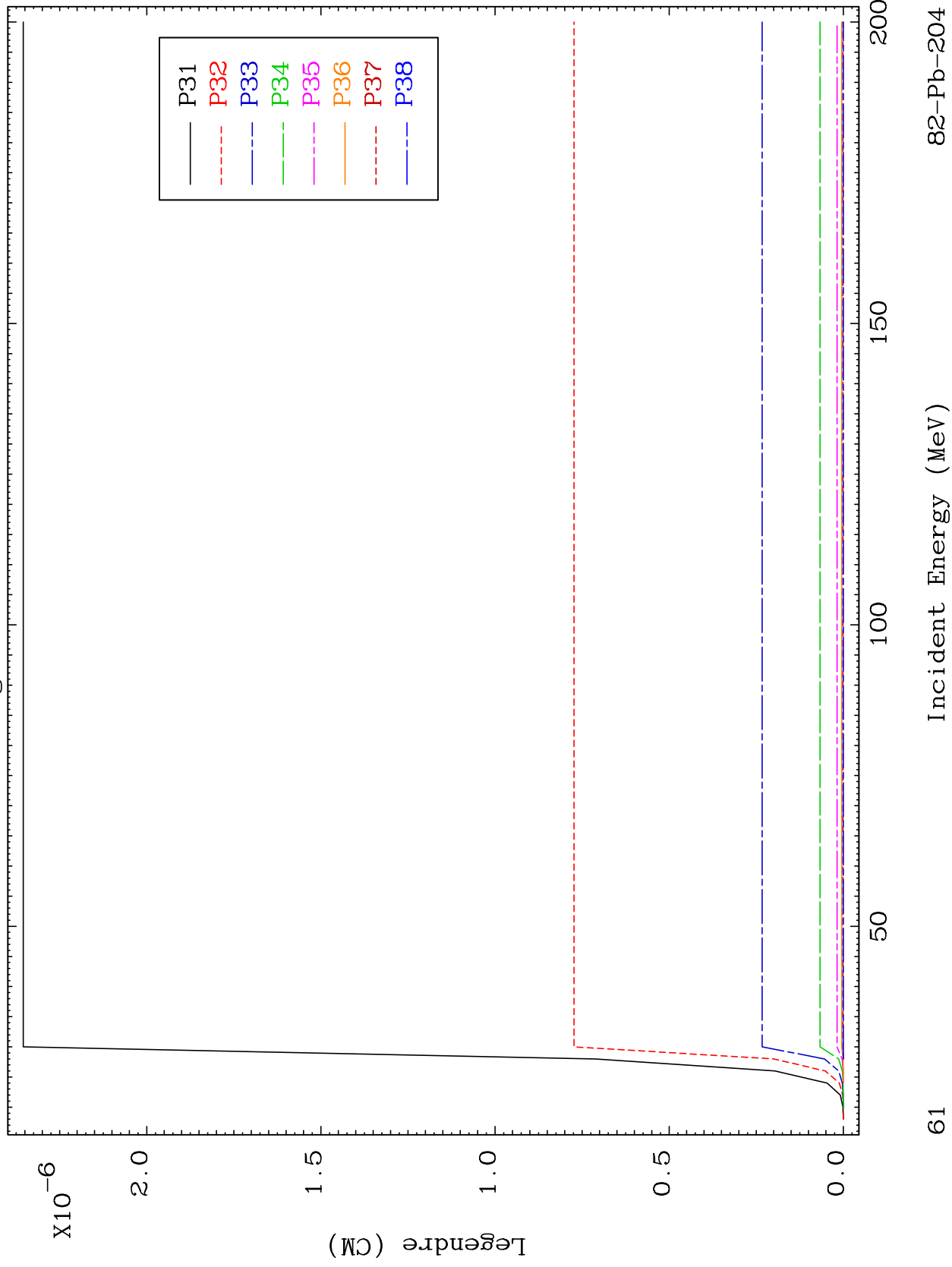
Incident Energy (MeV)

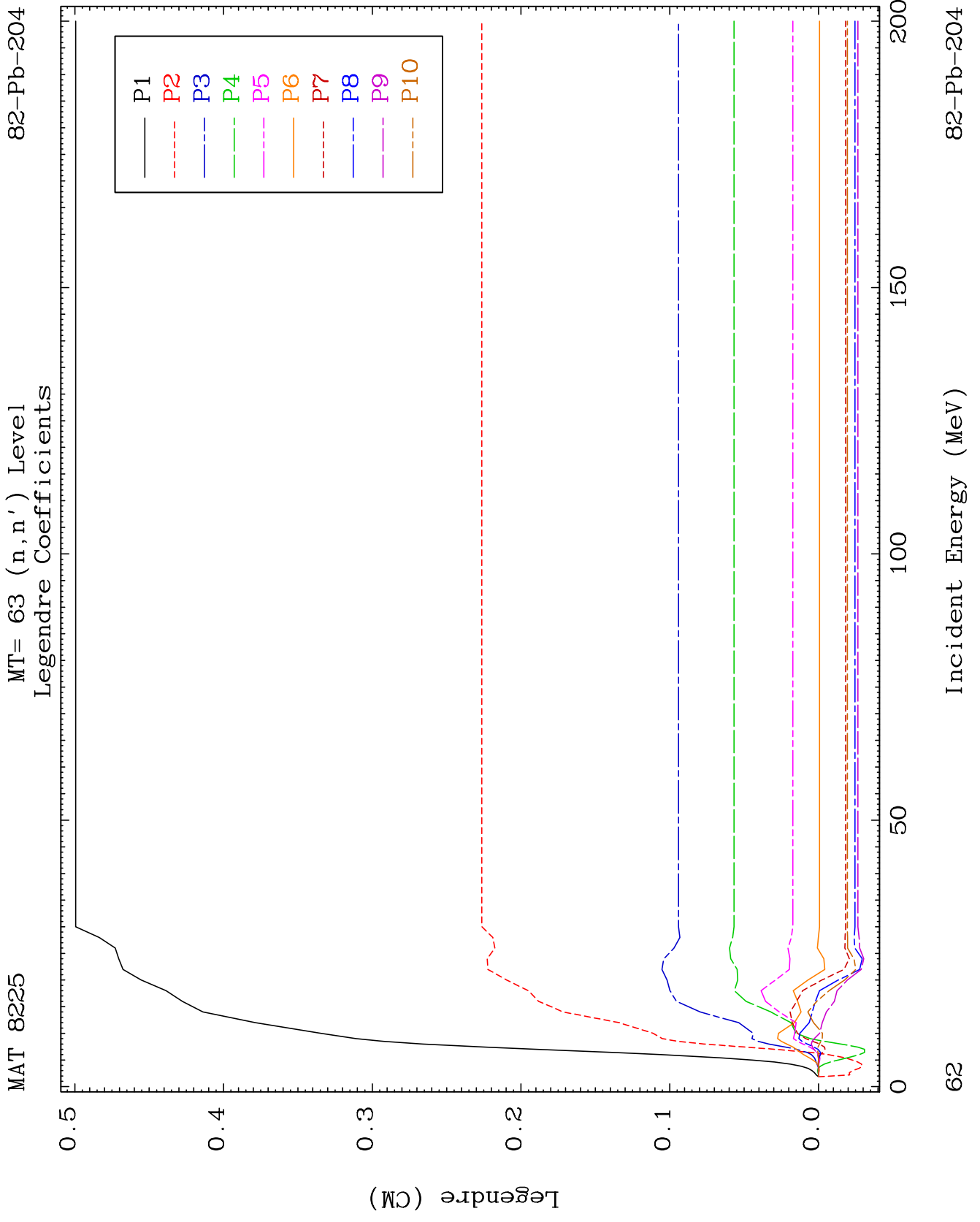
82-Pb-204

MAT 8225

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

82-Pb-204

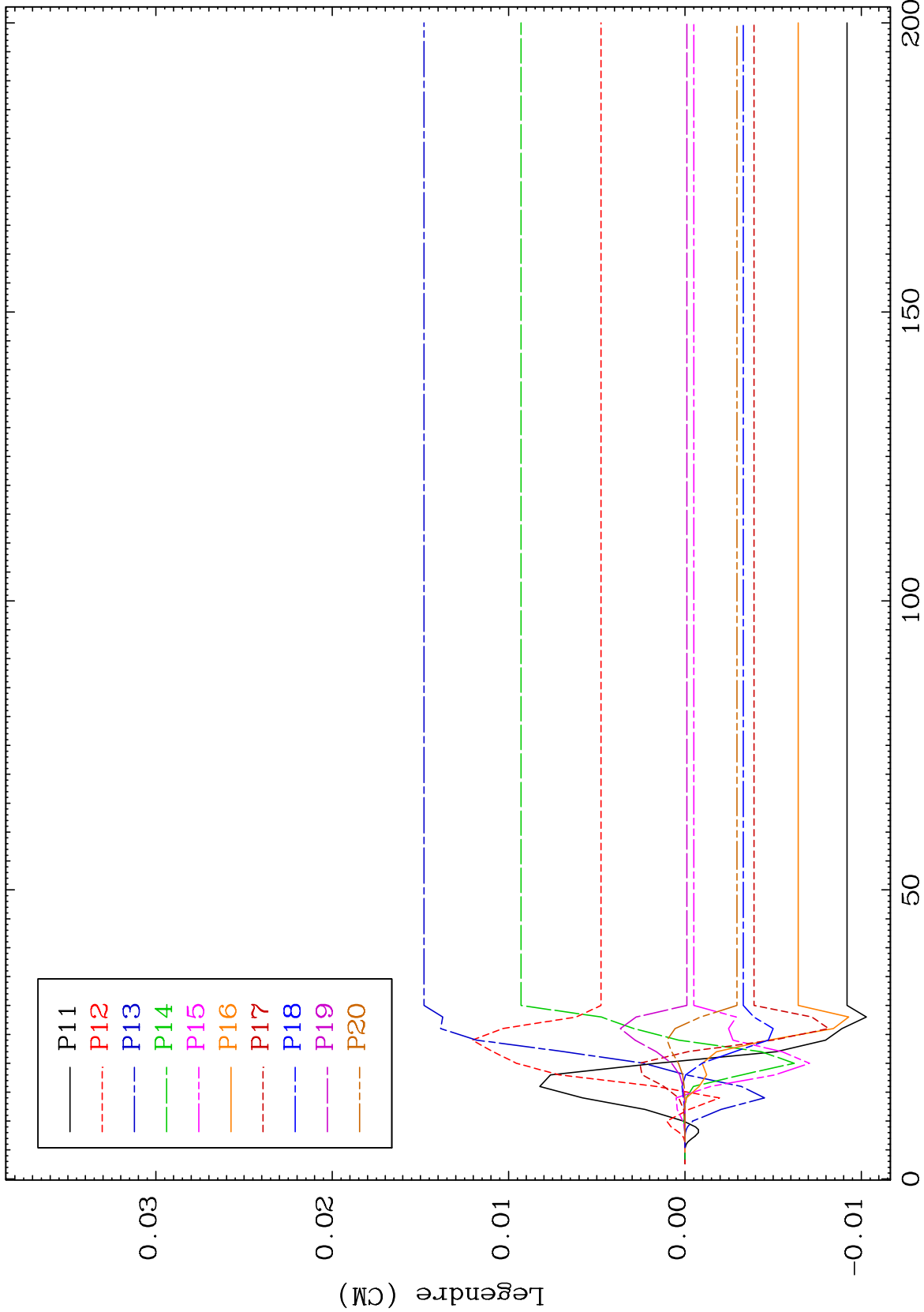




MAT 8225

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

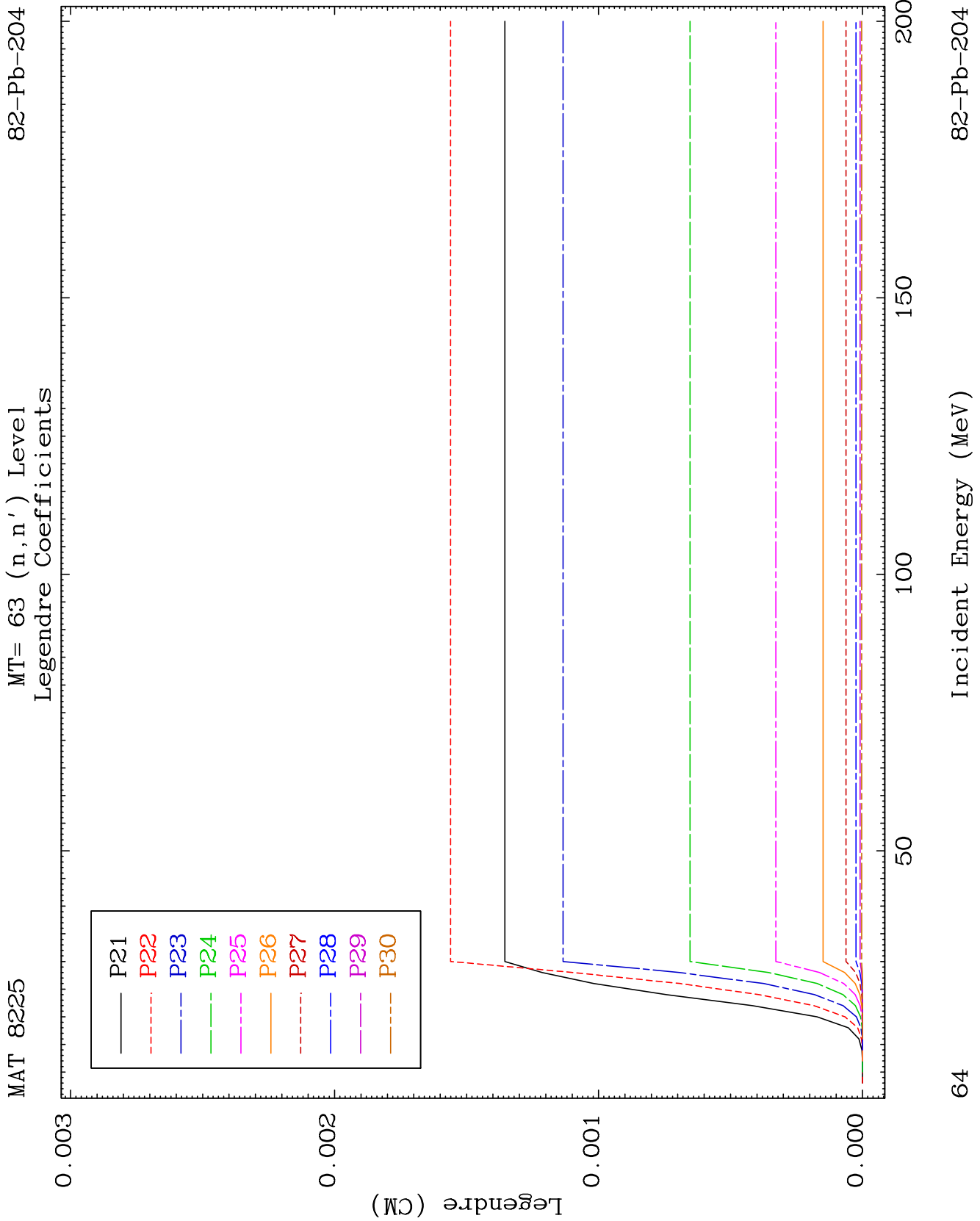
82-Pb-204



63

Incident Energy (MeV)

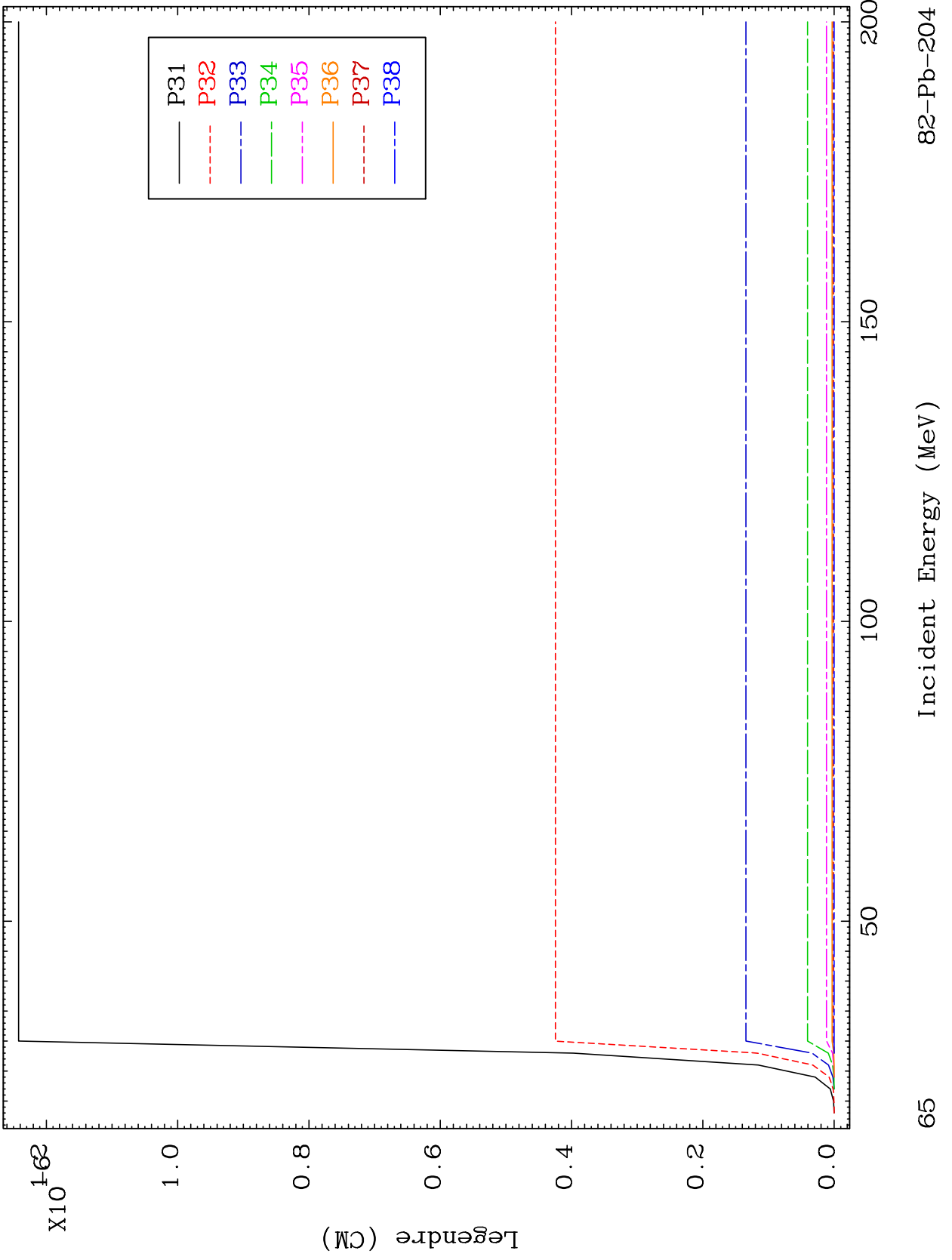
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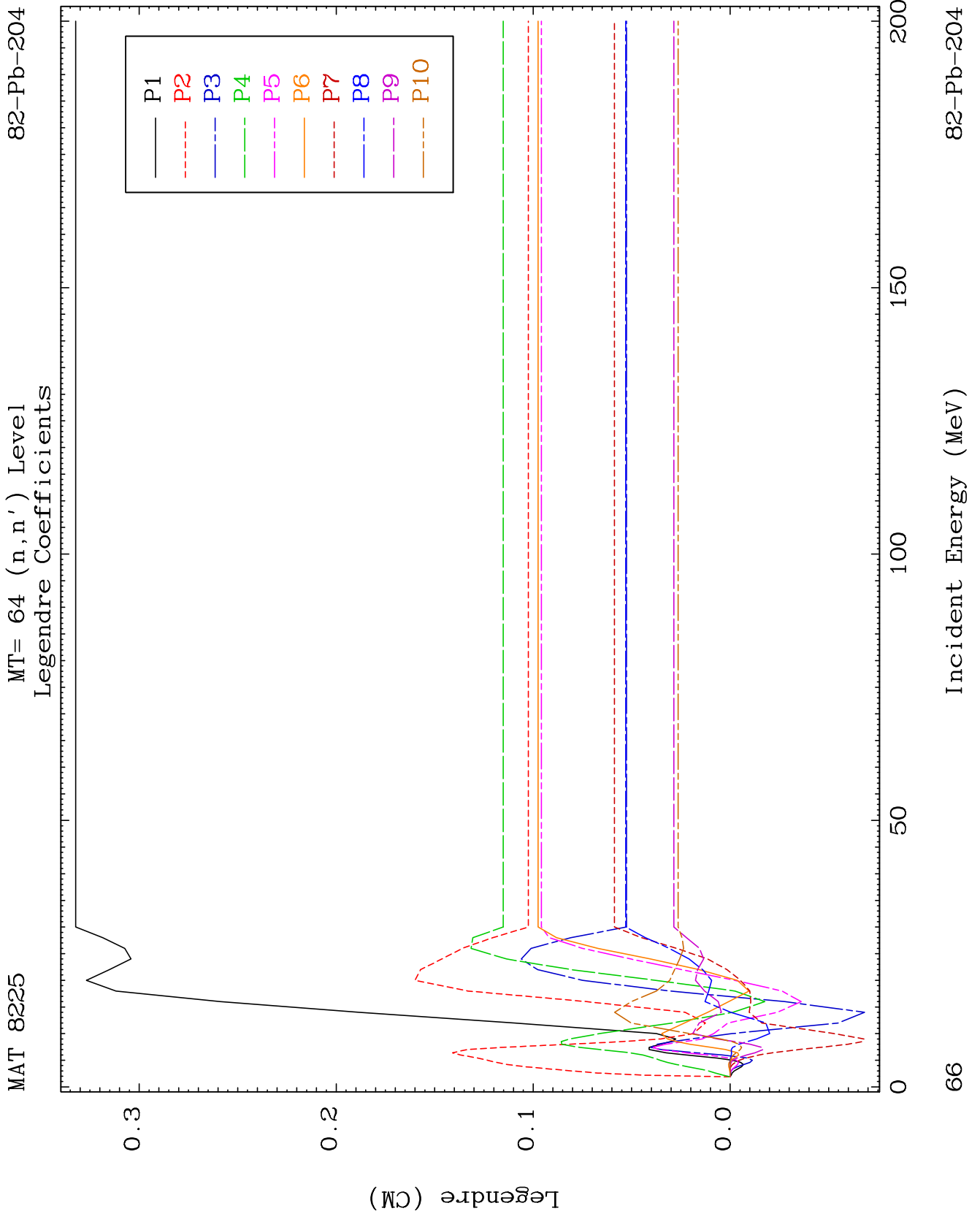


MAT 8225

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

82-Pb-204

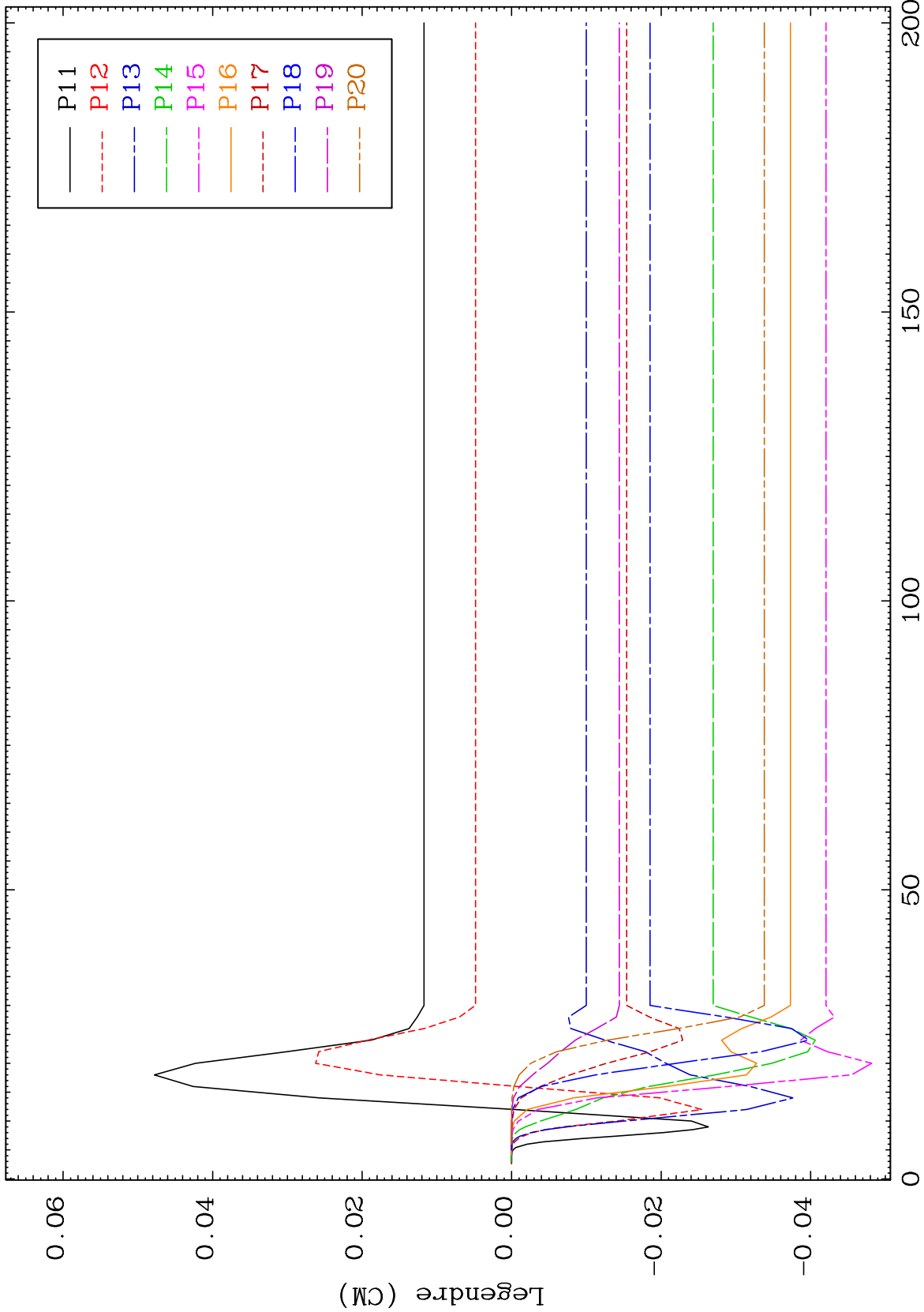




MAT 8225

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

82-Pb-204



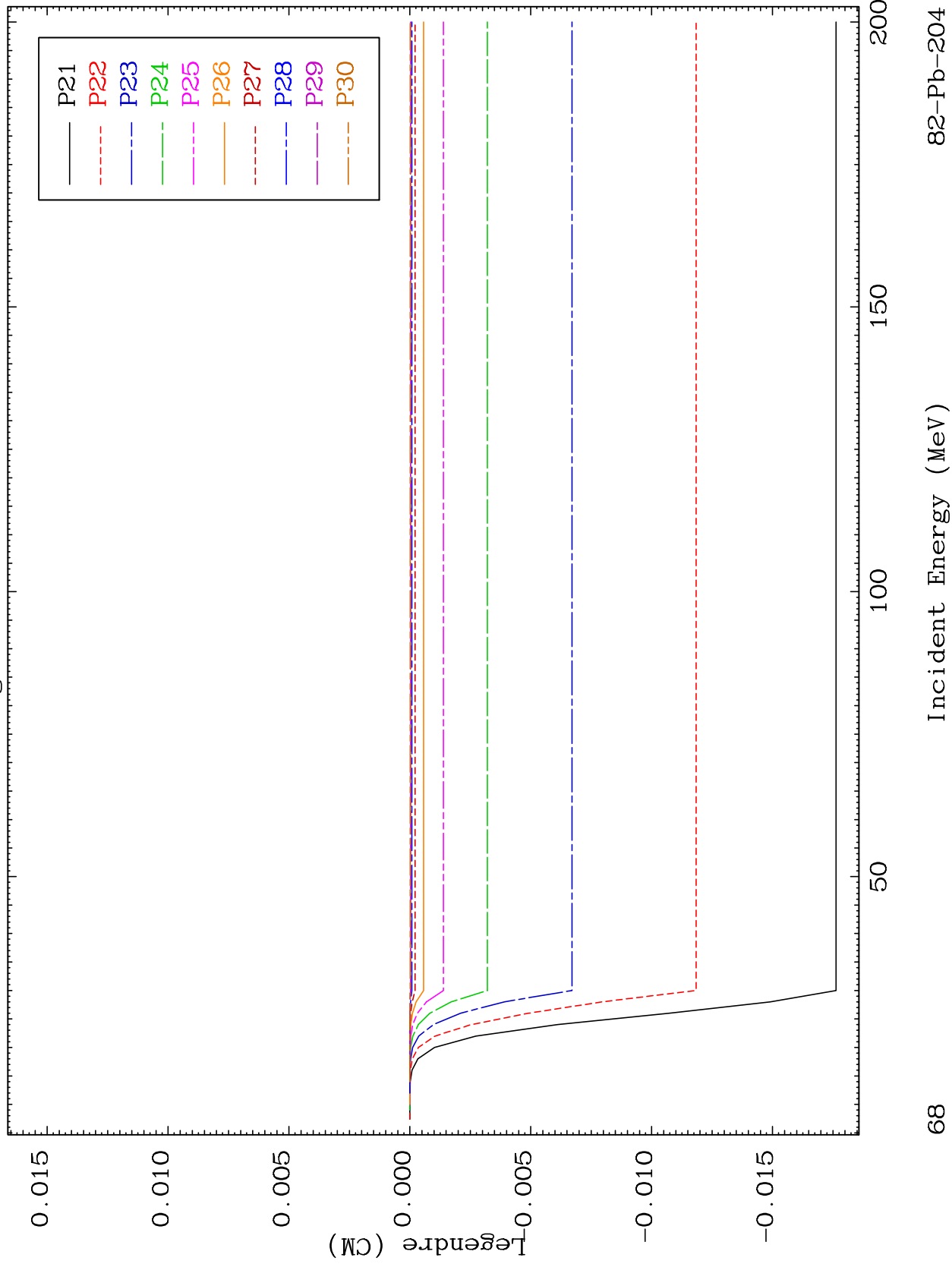
67

82-Pb-204

MAT 8225

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

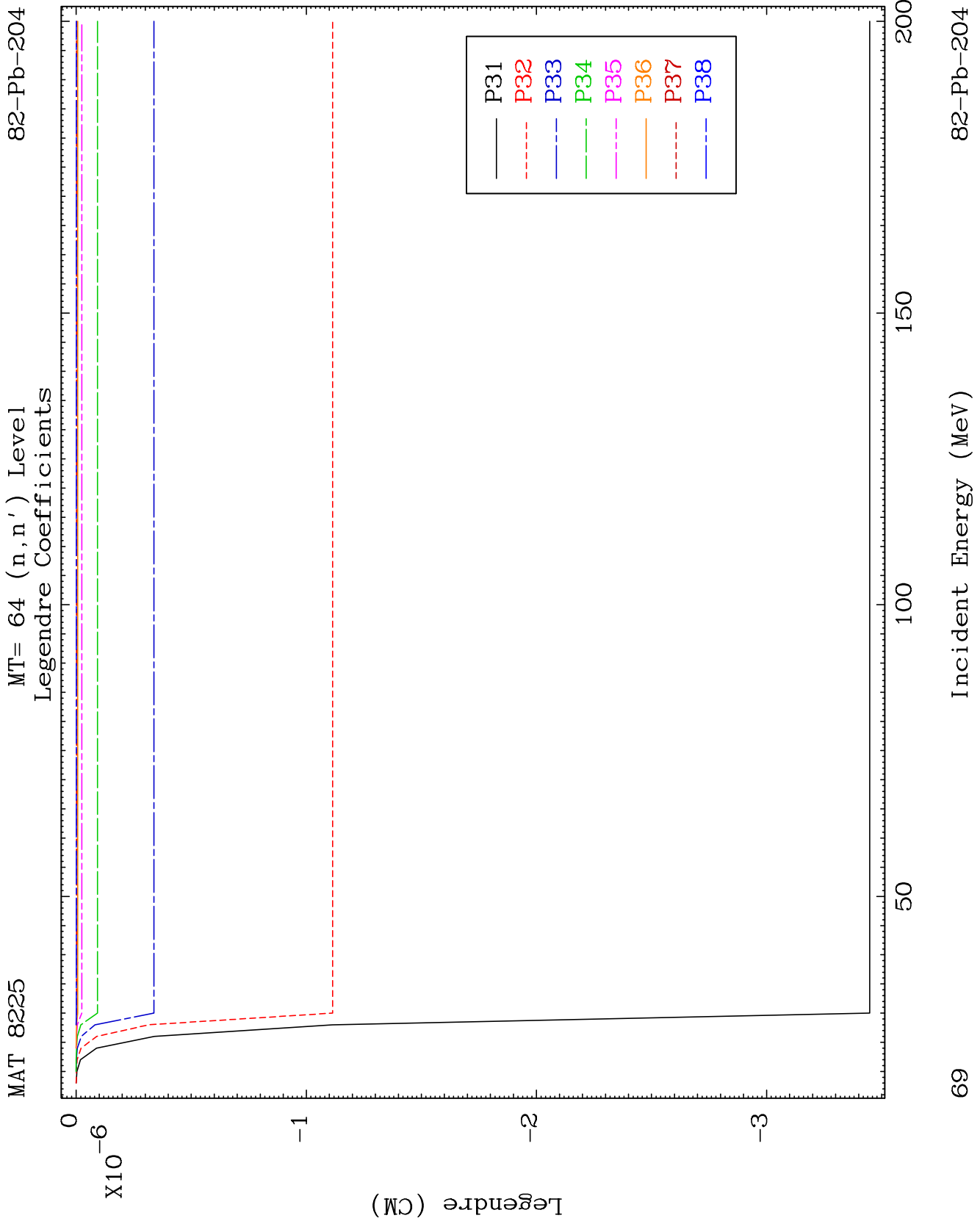
82-Pb-204



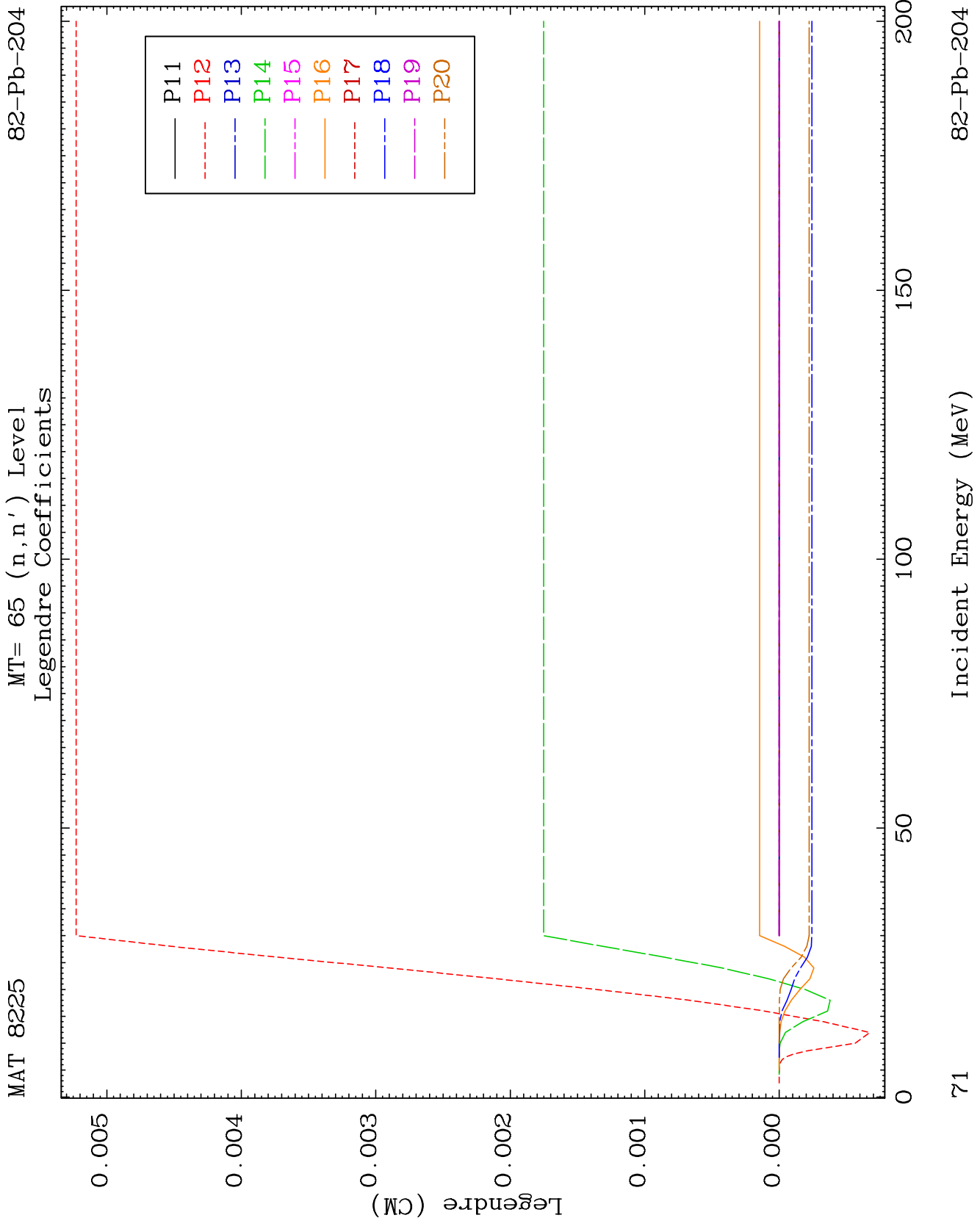
68

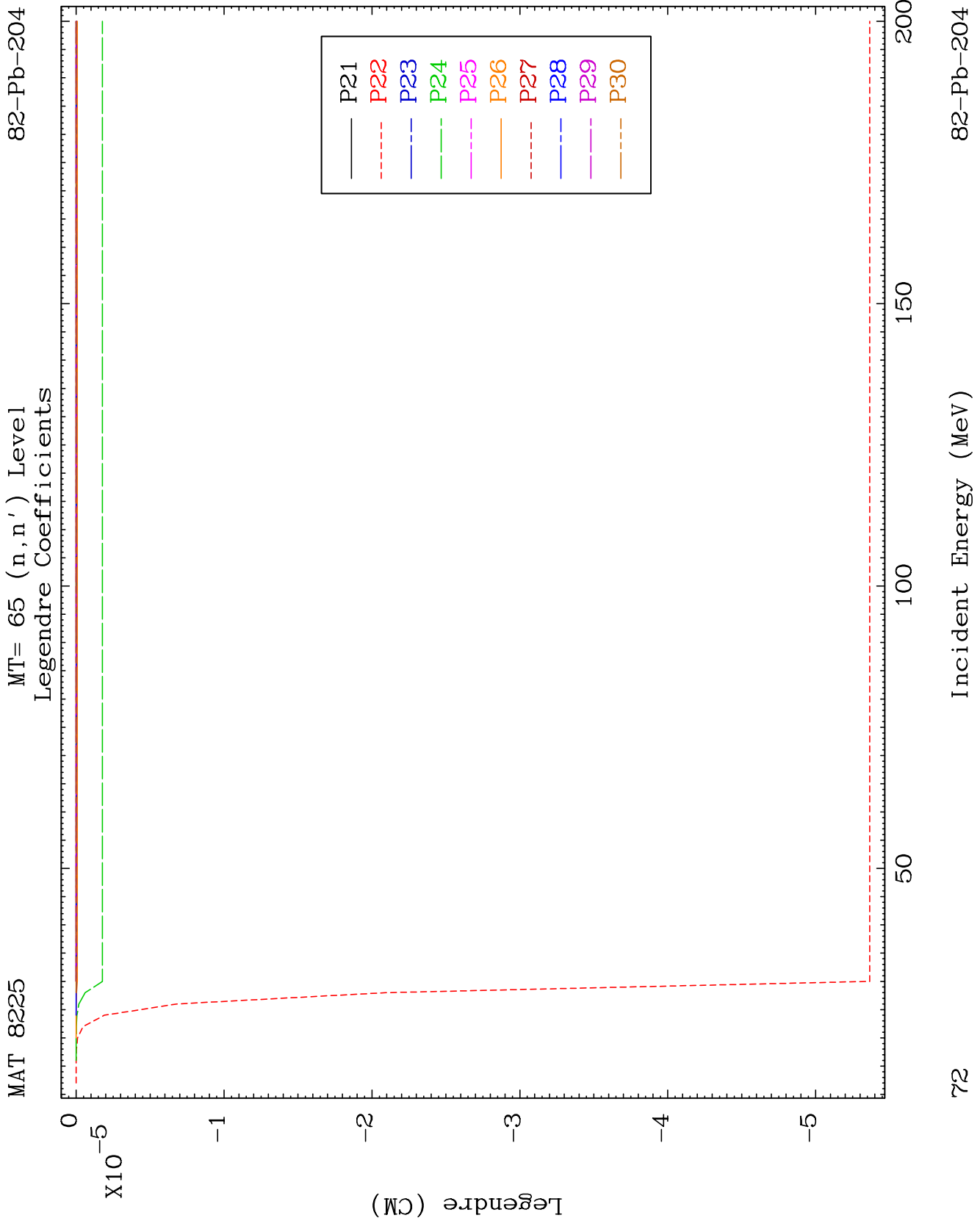
Incident Energy (MeV)

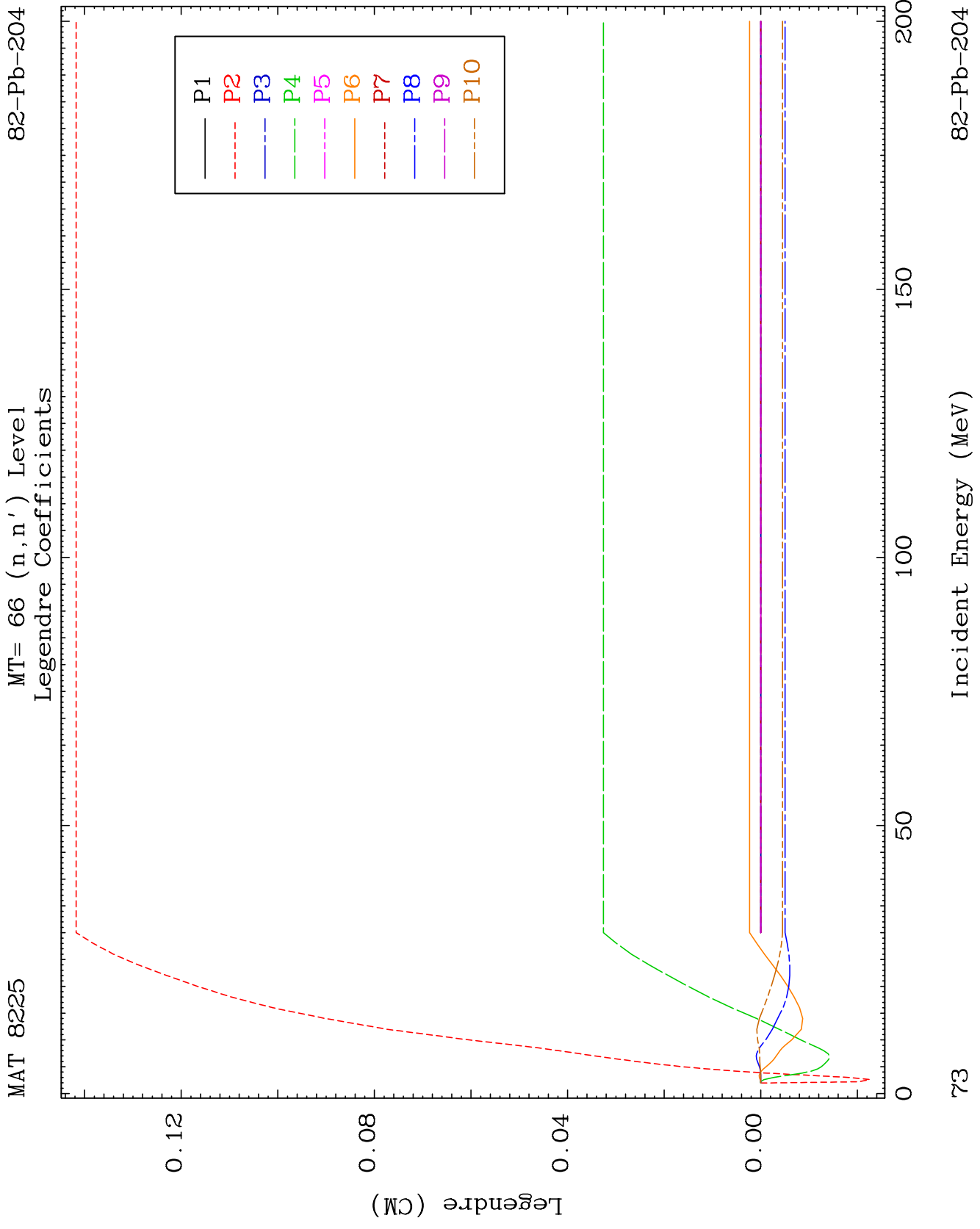
82-Pb-204







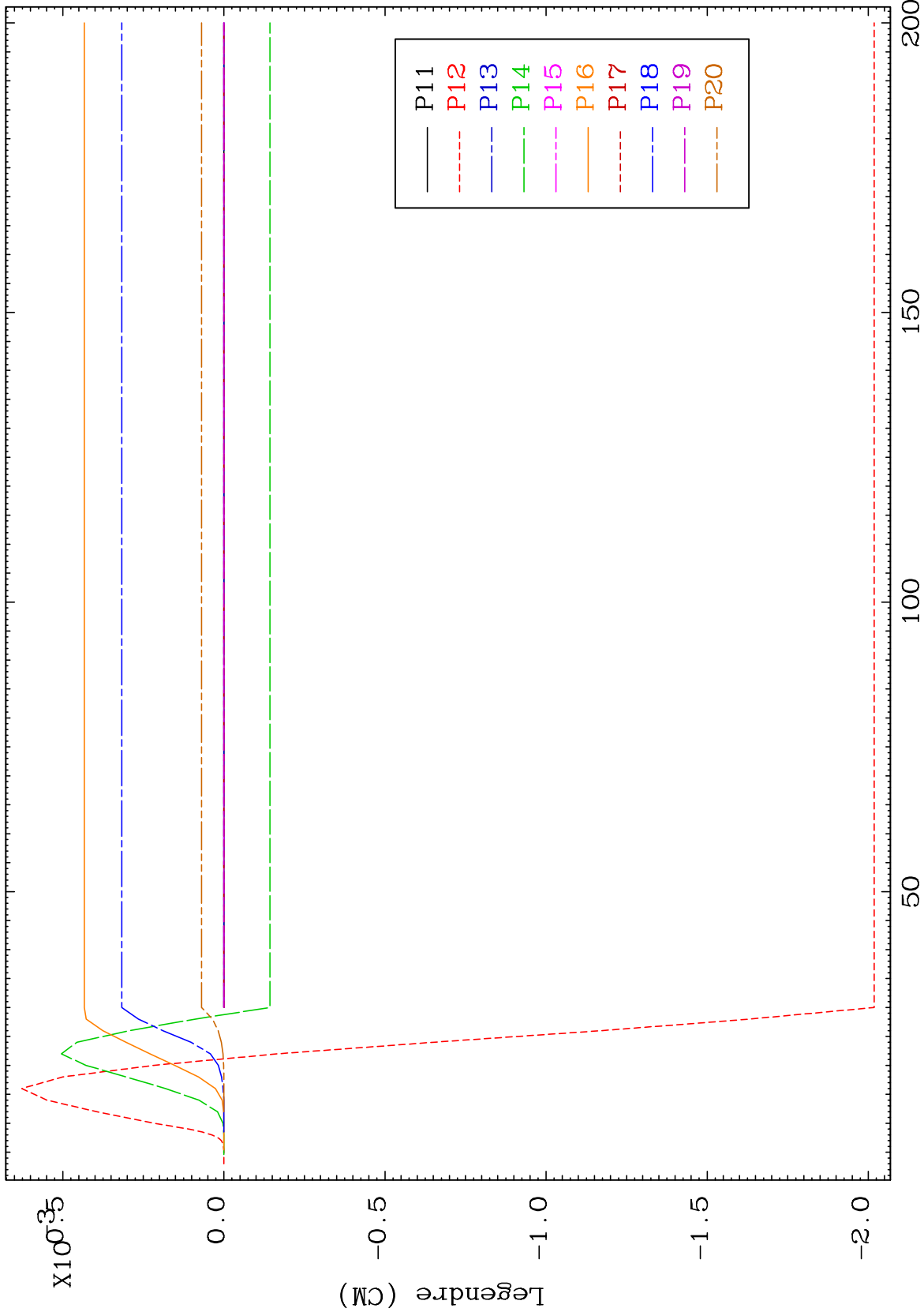




MAT 8225

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

82-Pb-204



74

Incident Energy (MeV)

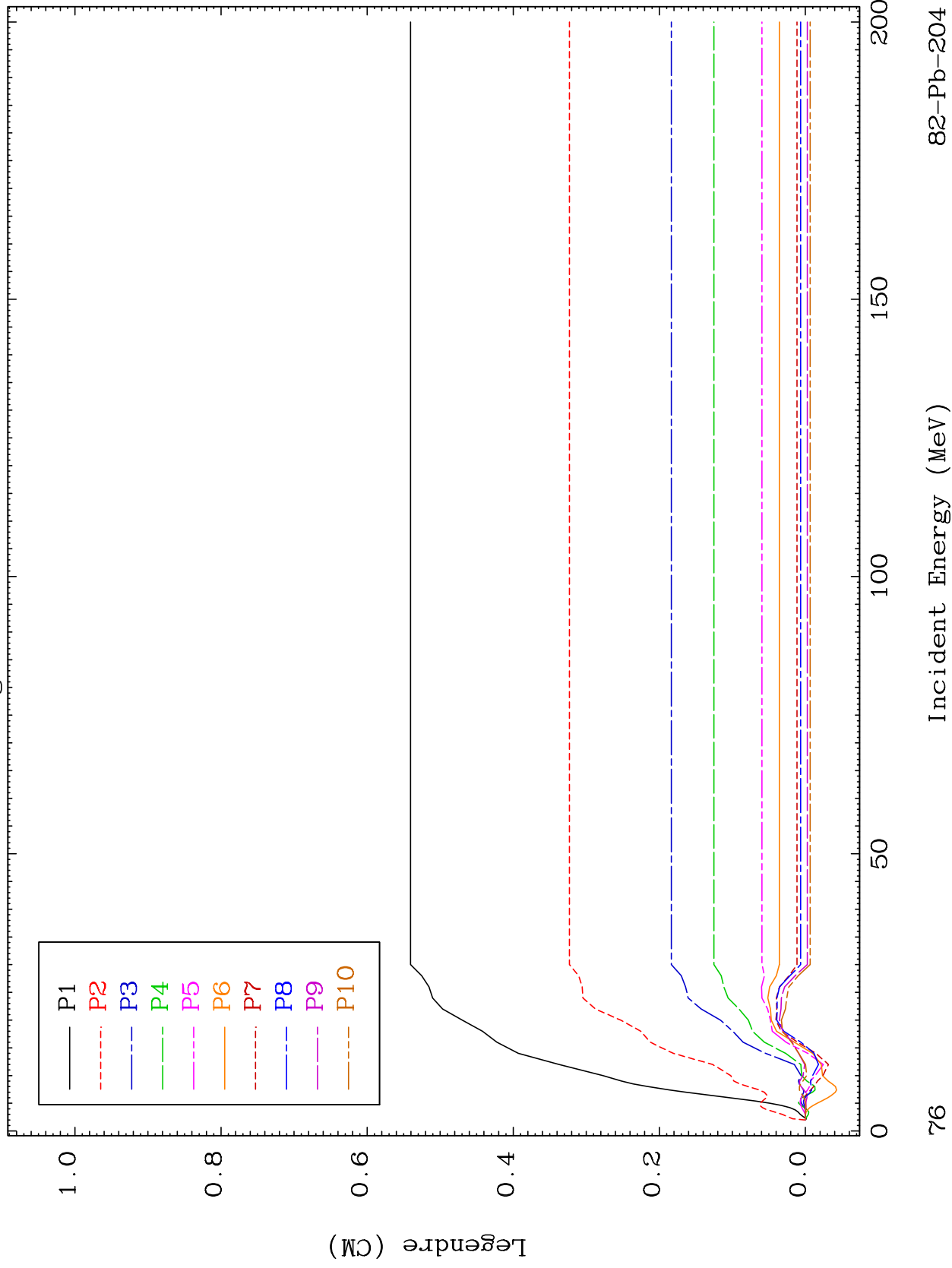
82-Pb-204



MAT 8225

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

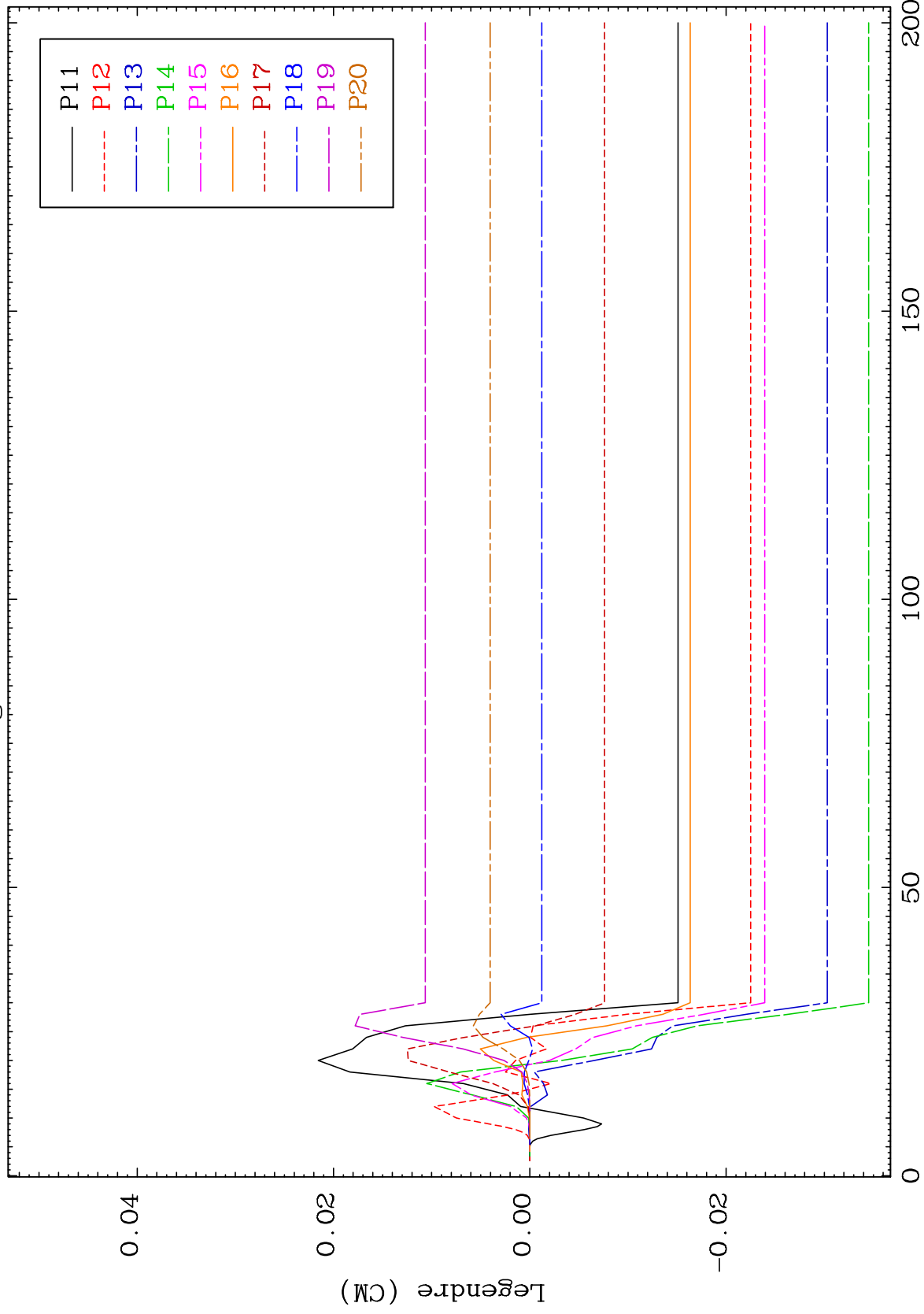
82-Pb-204



MAT 8225

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

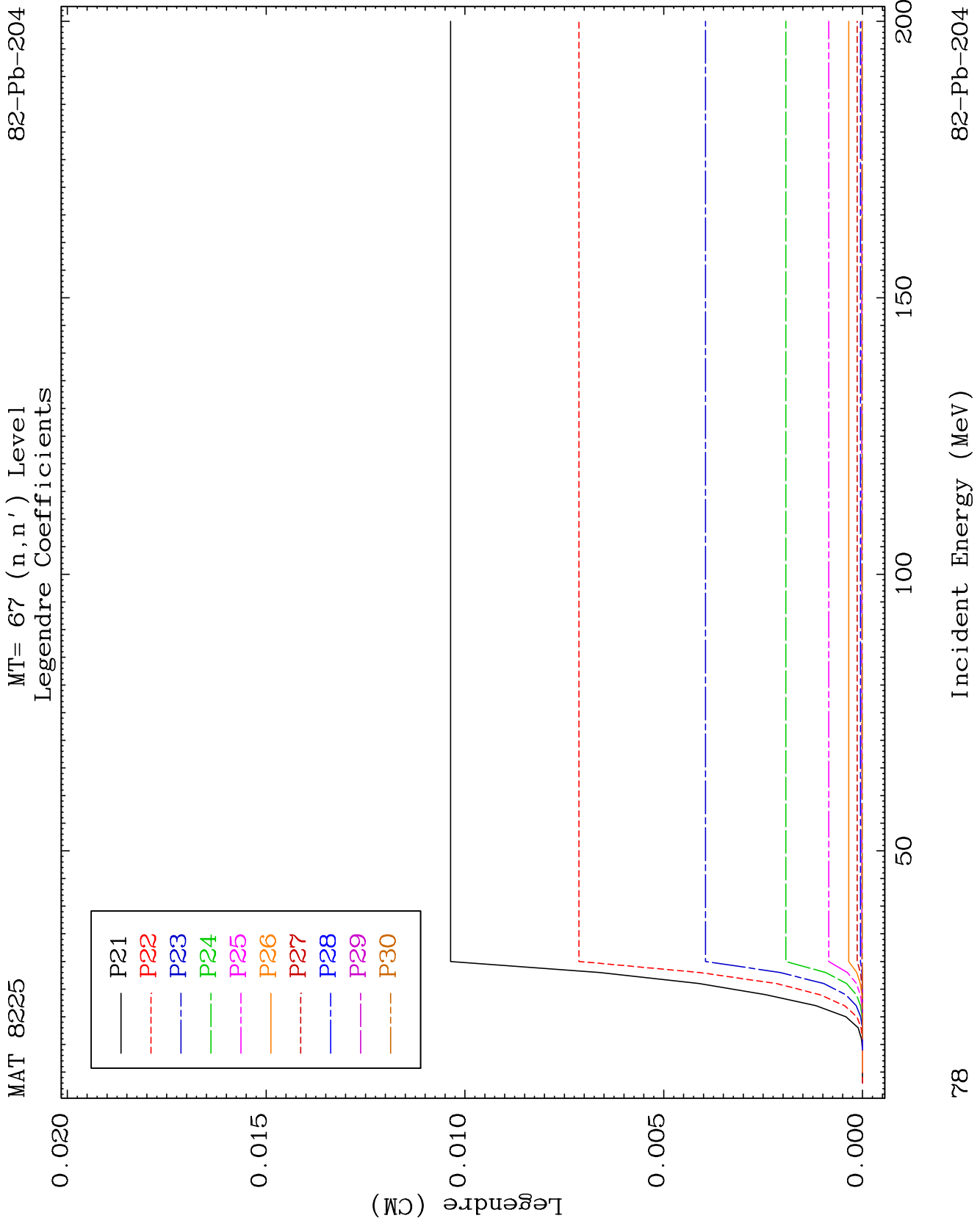
82-Pb-204



77

Incident Energy (MeV)

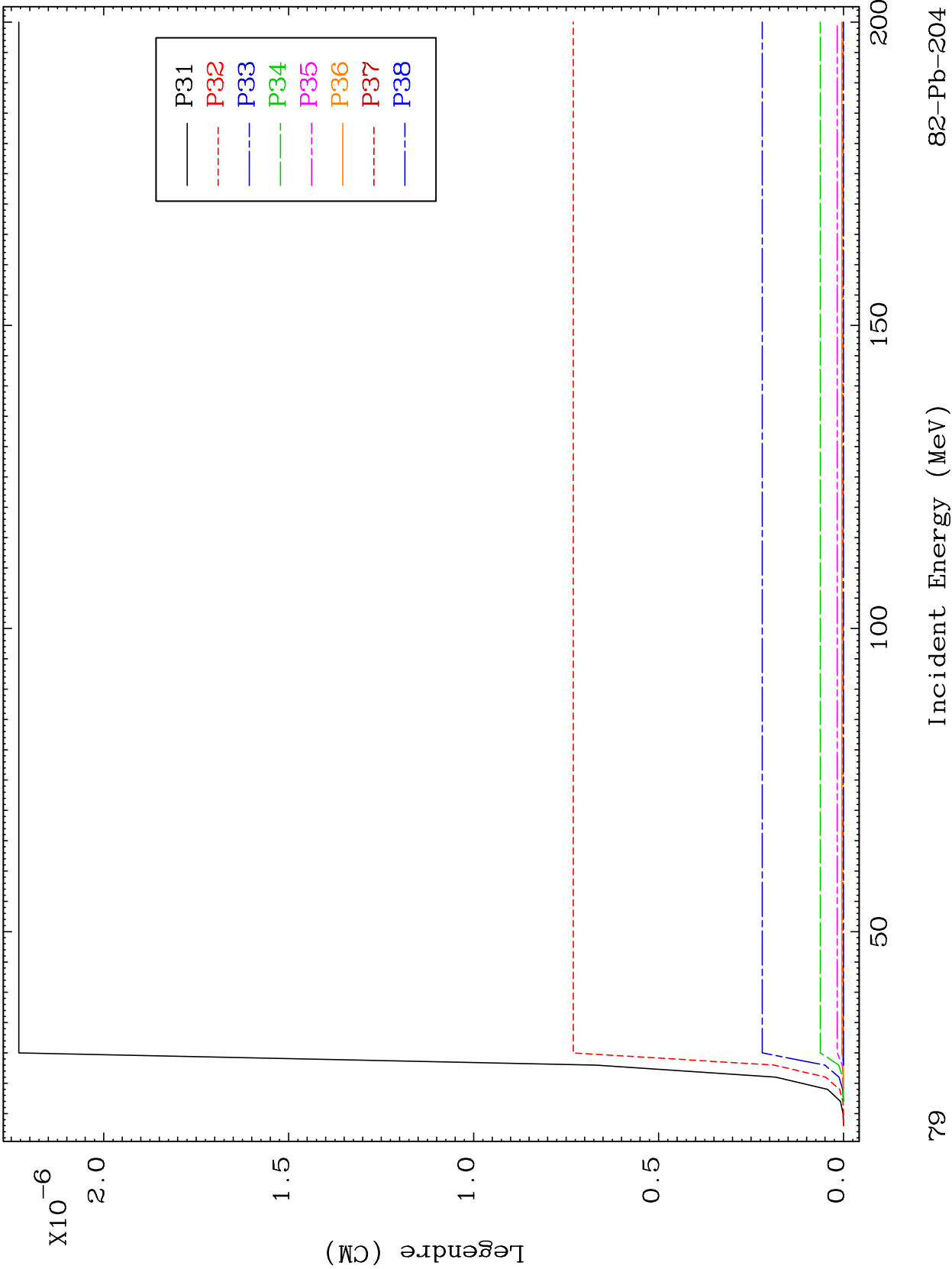
82-Pb-204



MAT 8225

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

82-Pb-204



79

Incident Energy (MeV)

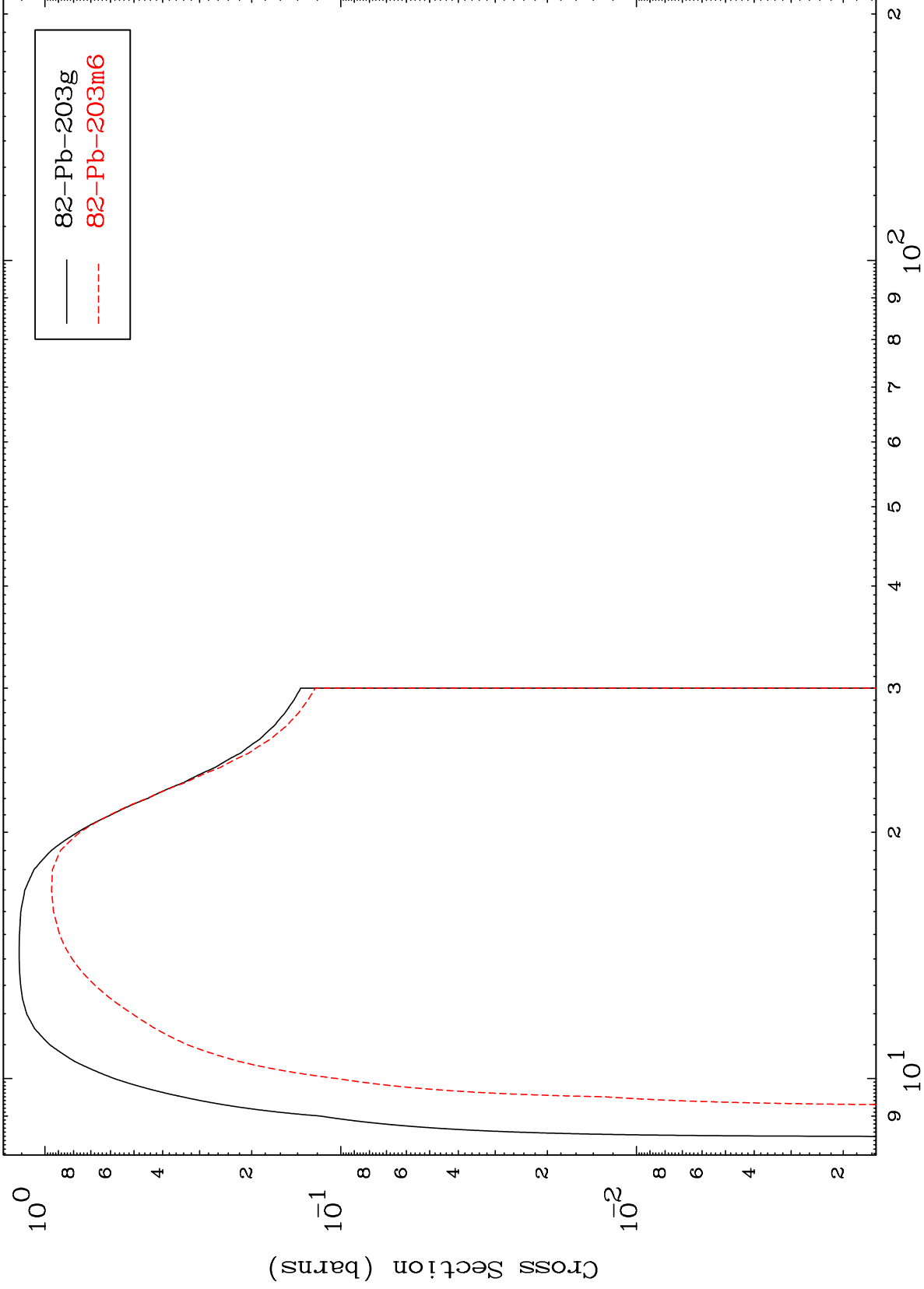
82-Pb-204

MAT 8225

(n,2n)

82-Pb-204

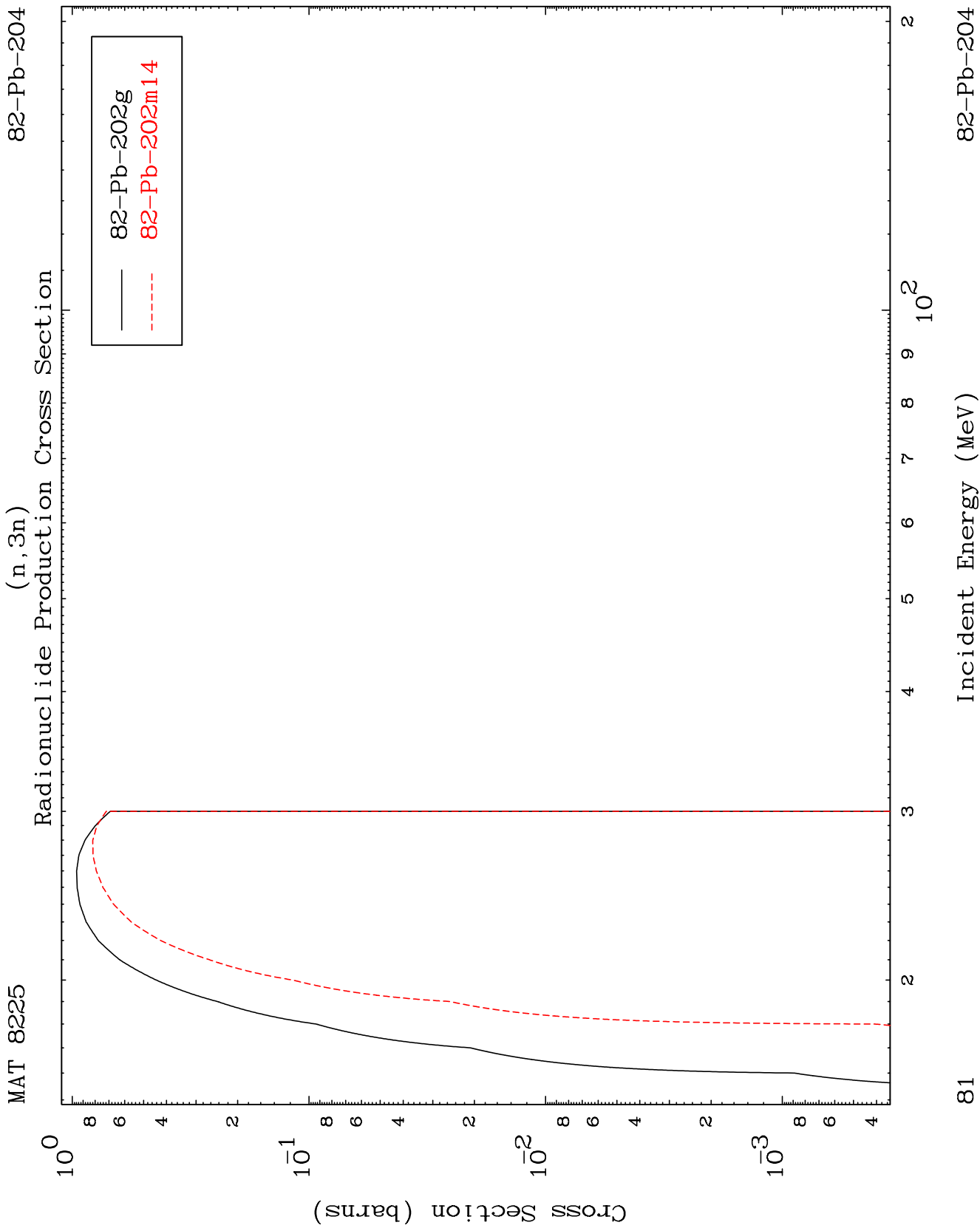
Radionuclide Production Cross Section



80

Incident Energy (MeV)

82-Pb-204

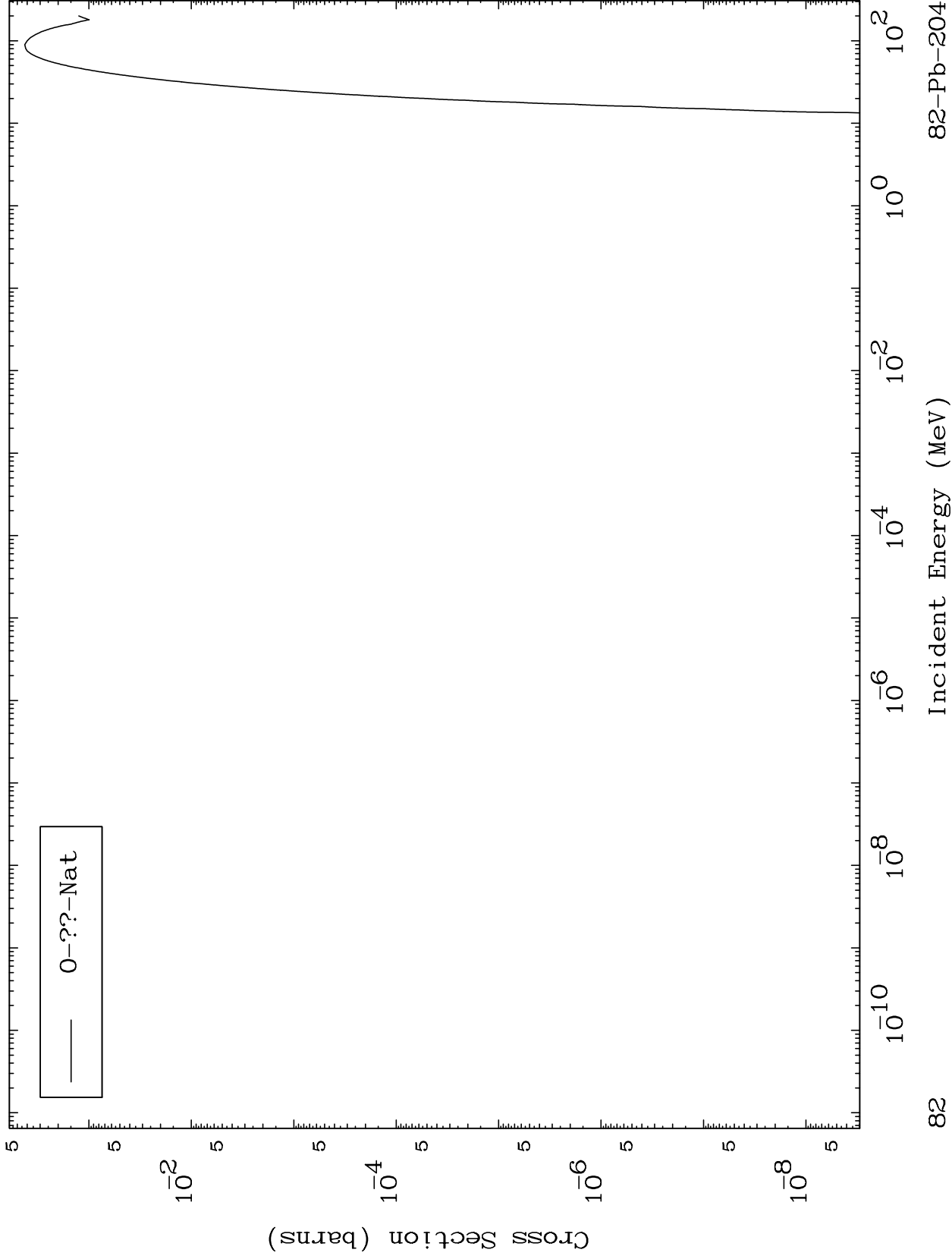


MAT 8225

Fission

82-Pb-204

Radionuclide Production Cross Section



82

Incident Energy (MeV)

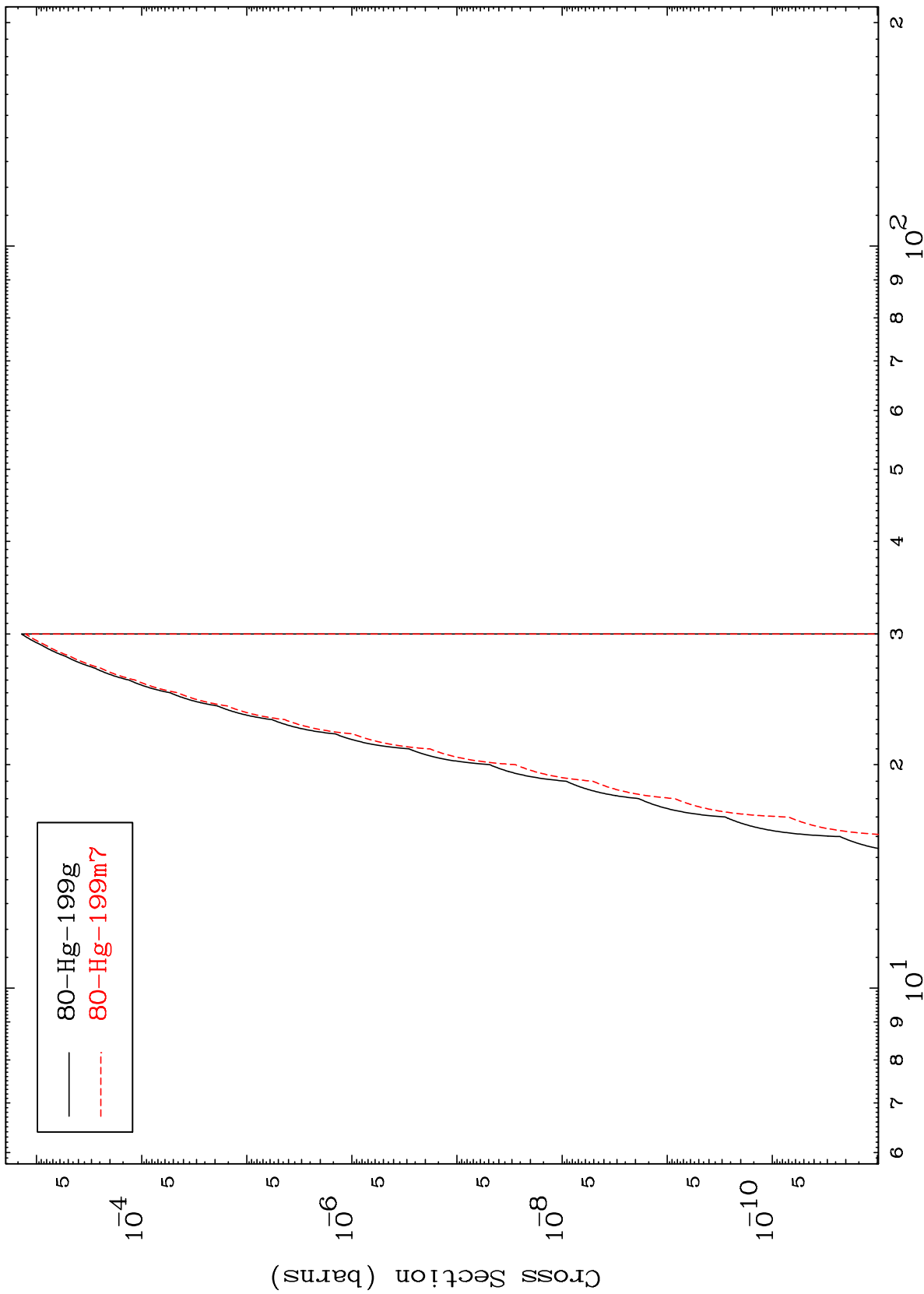
82-Pb-204

MAT 8225

(n,2n)  $\alpha$

82-Pb-204

Radionuclide Production Cross Section



83

Incident Energy (MeV)

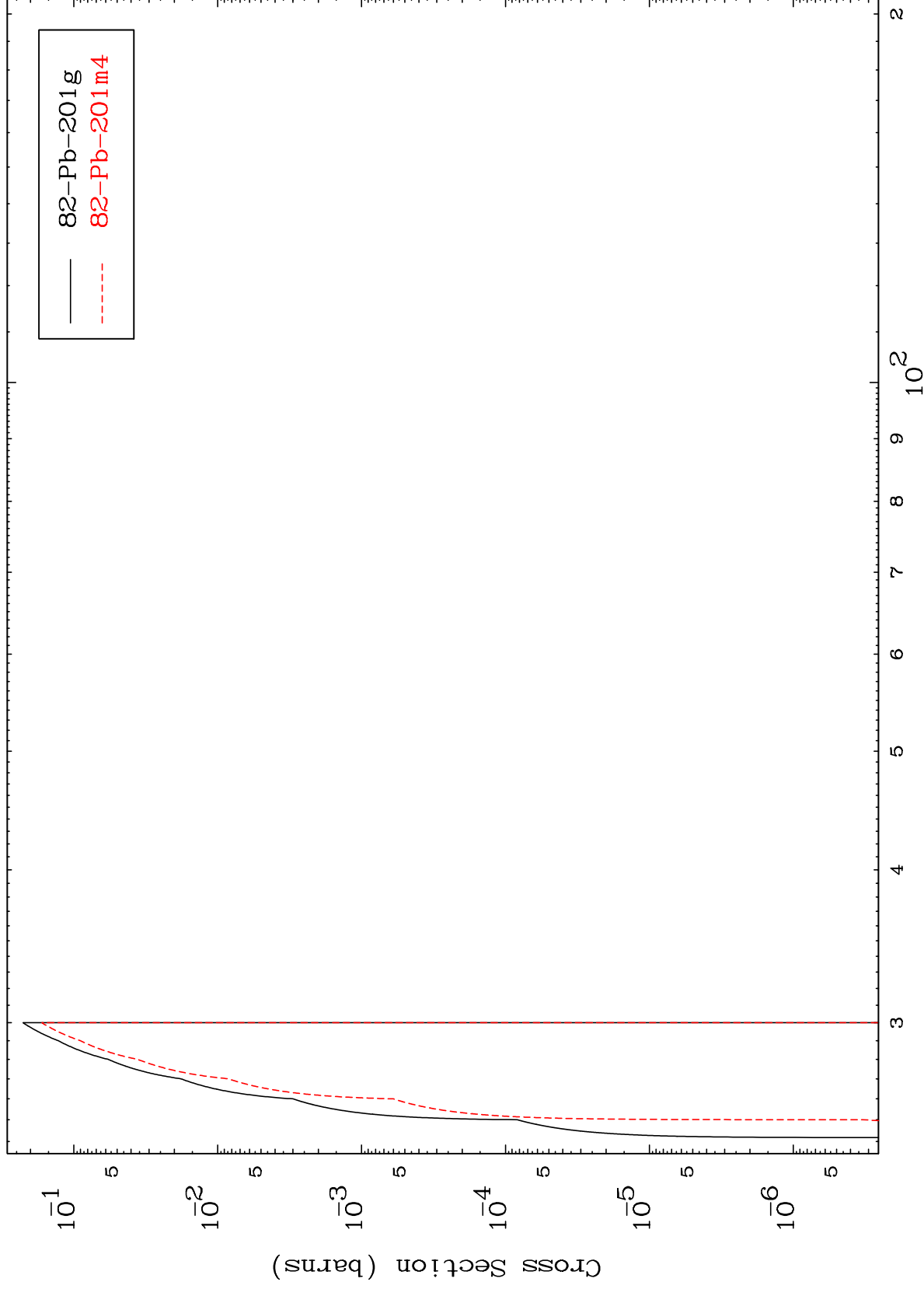
82-Pb-204

MAT 8225

(n,4n)

82-Pb-204

Radionuclide Production Cross Section



84

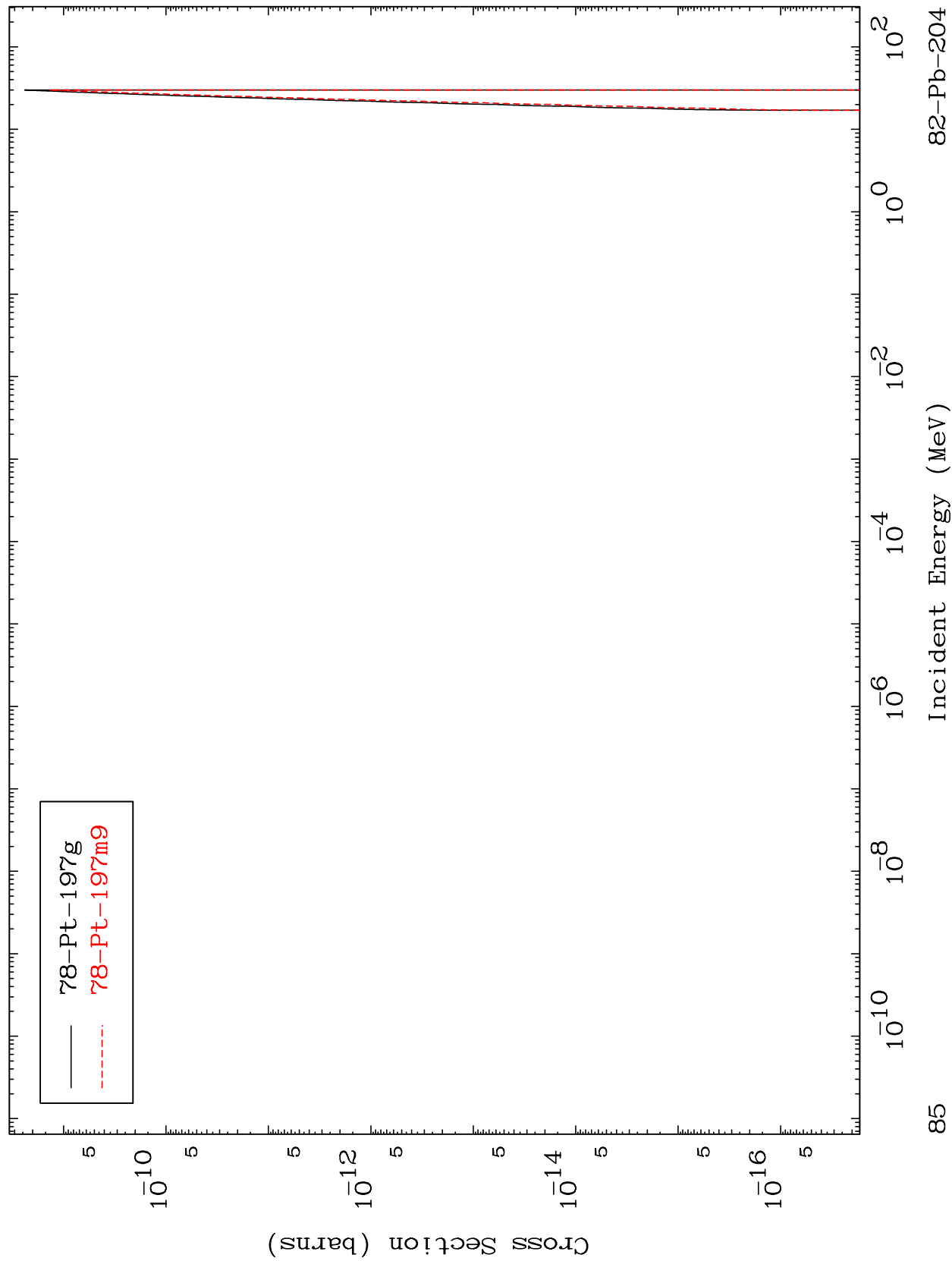
Incident Energy (MeV)

82-Pb-204

MAT 8225

82-Pb-204

(n,2α)  
Radionuclide Production Cross Section



78-Pt-197g  
78-Pt-197m9

85

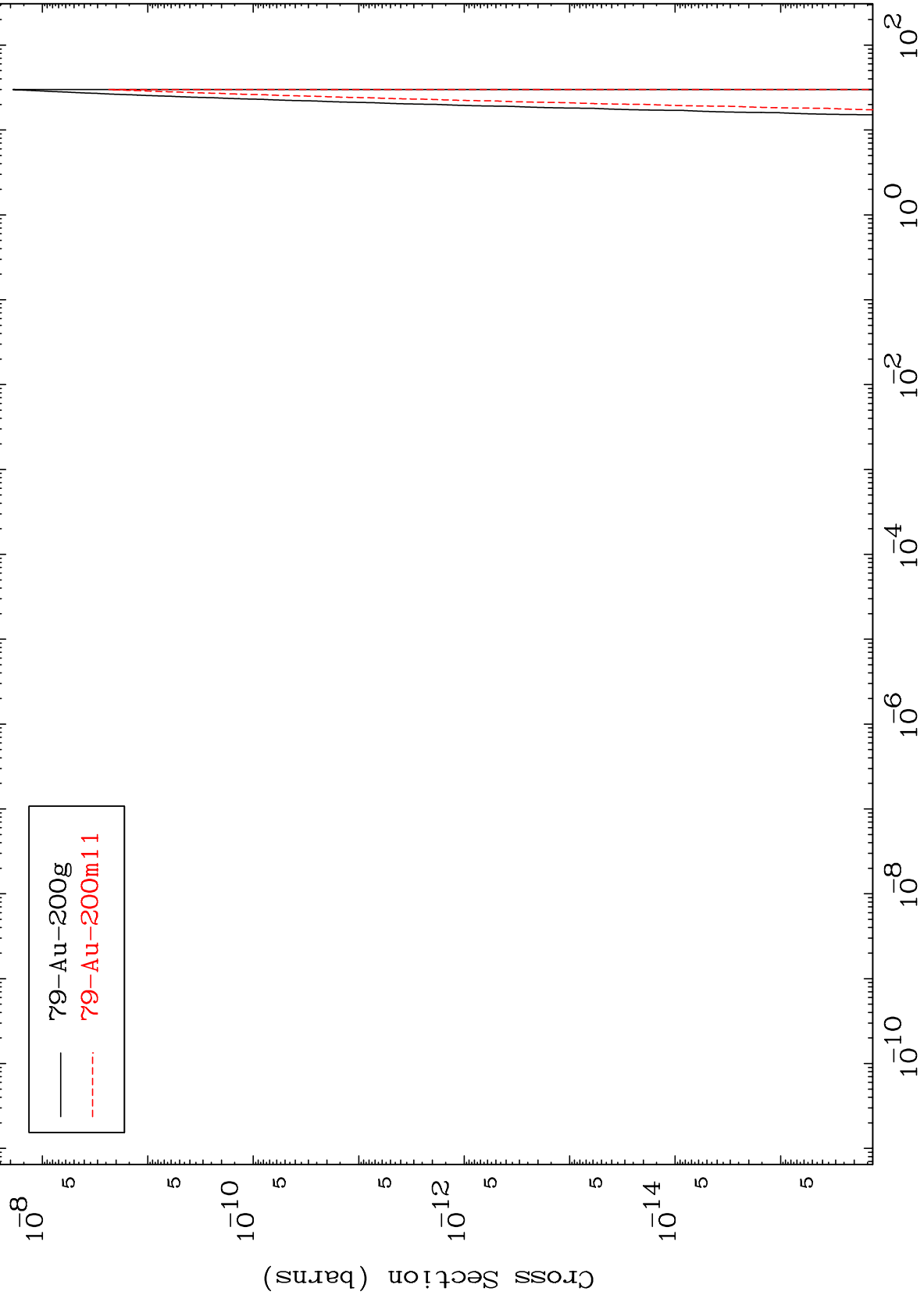
82-Pb-204

MAT 8225

(n,p)  $\alpha$

82-Pb-204

Radionuclide Production Cross Section



86

Incident Energy (MeV)

82-Pb-204