

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

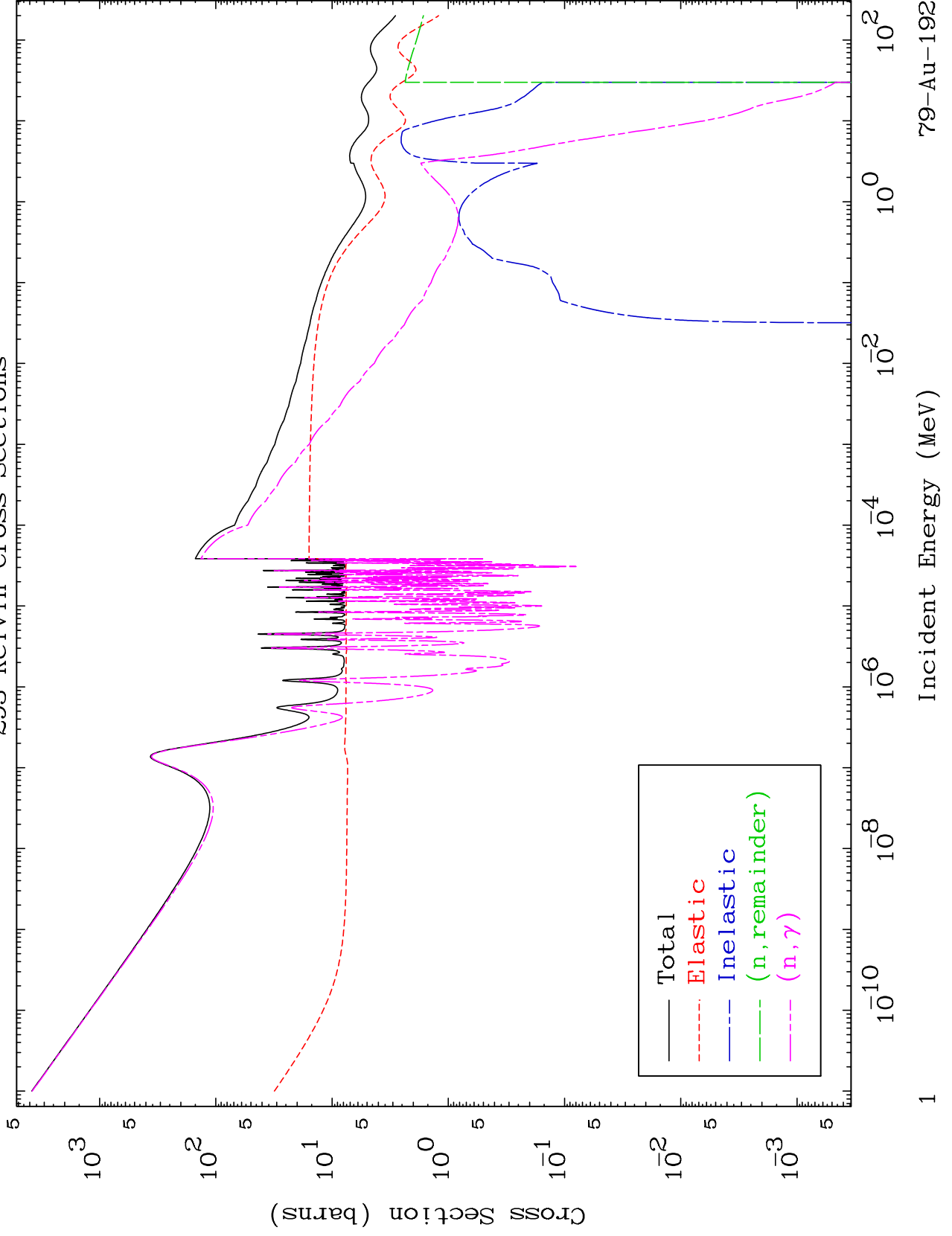
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7910

Major  
293 Kelvin Cross Sections

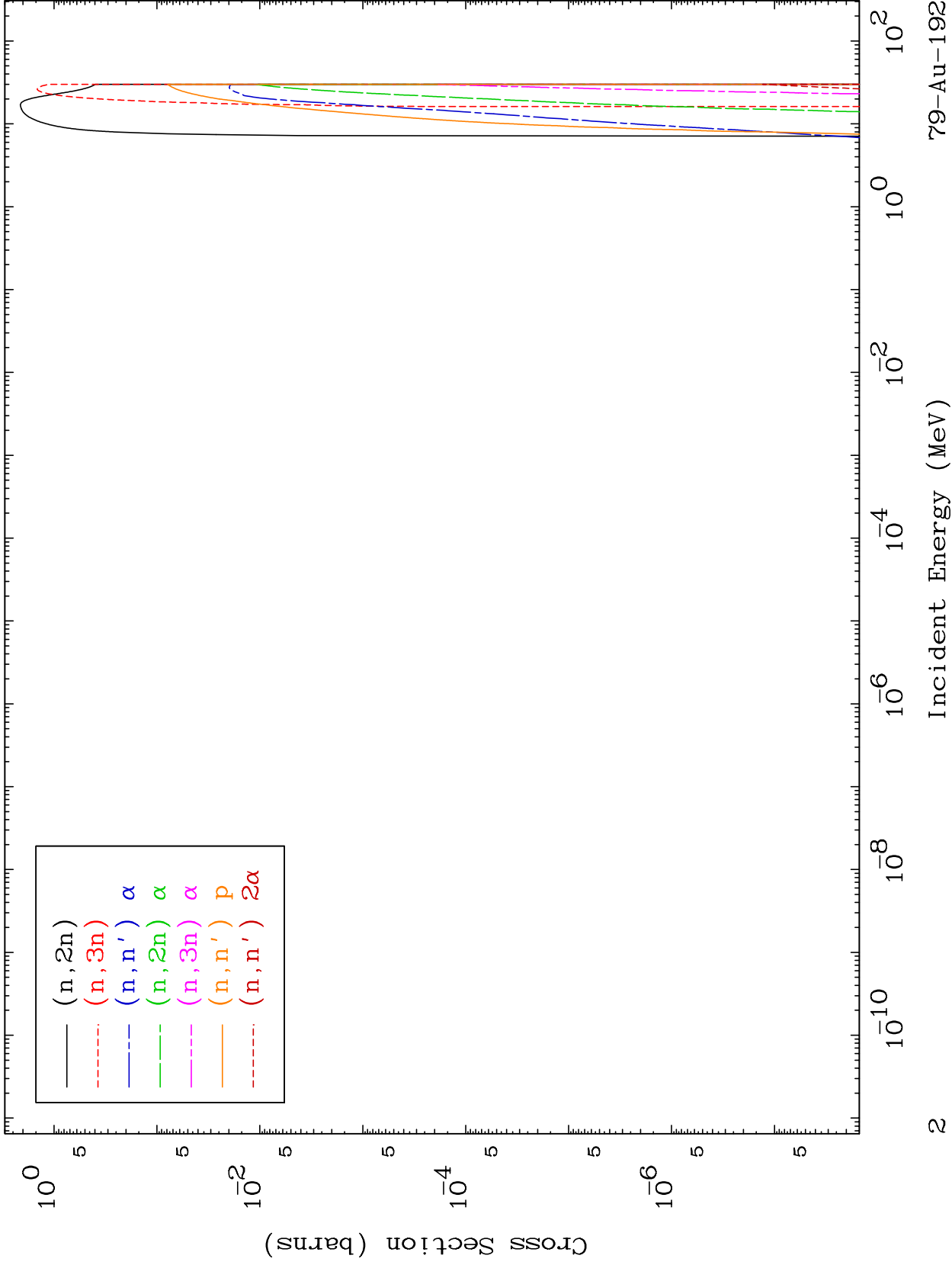
79-Au-192



MAT 7910

Neutron Production  
293 Kelvin Cross Sections

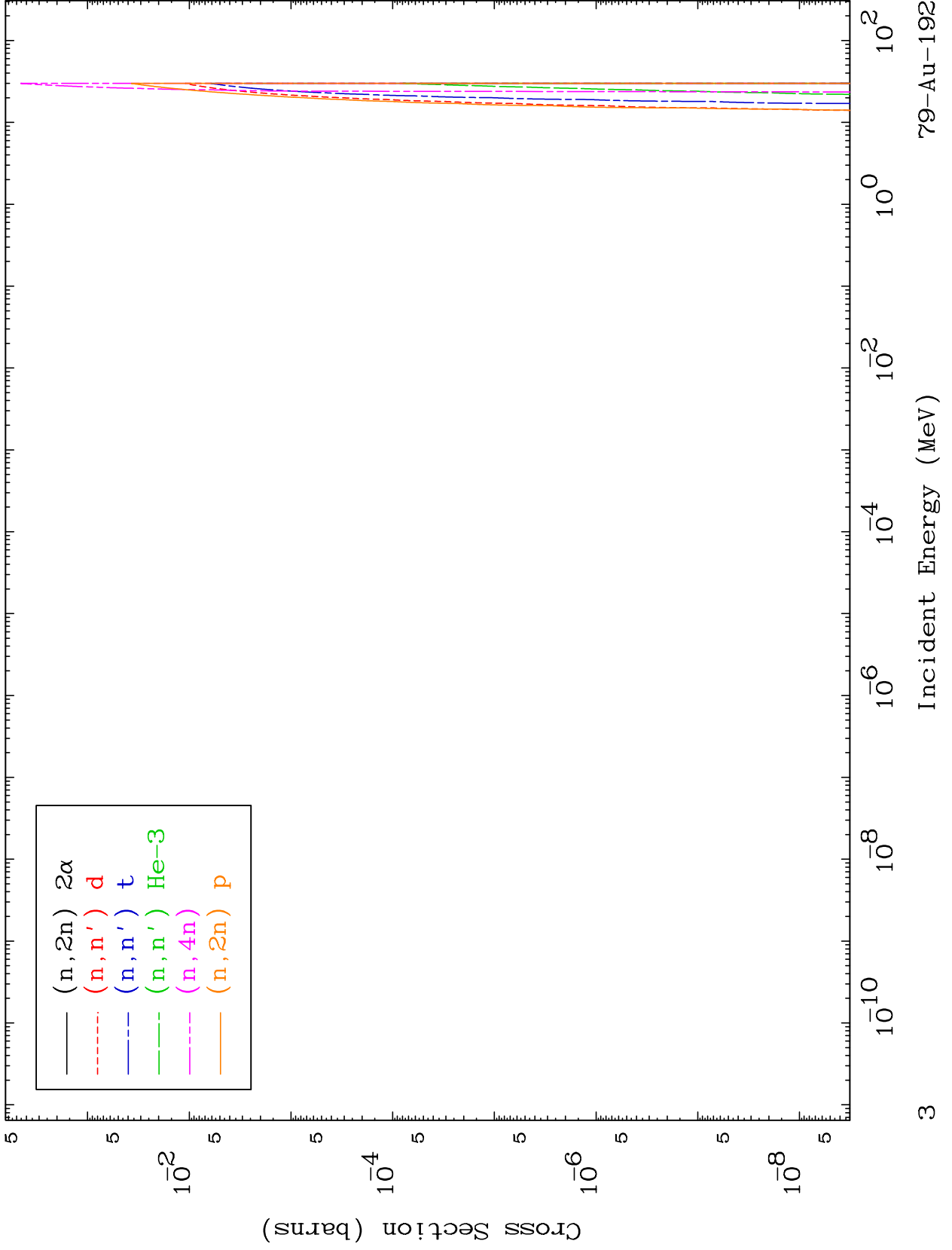
79-Au-192



MAT 7910

Neutron Production  
293 Kelvin Cross Sections

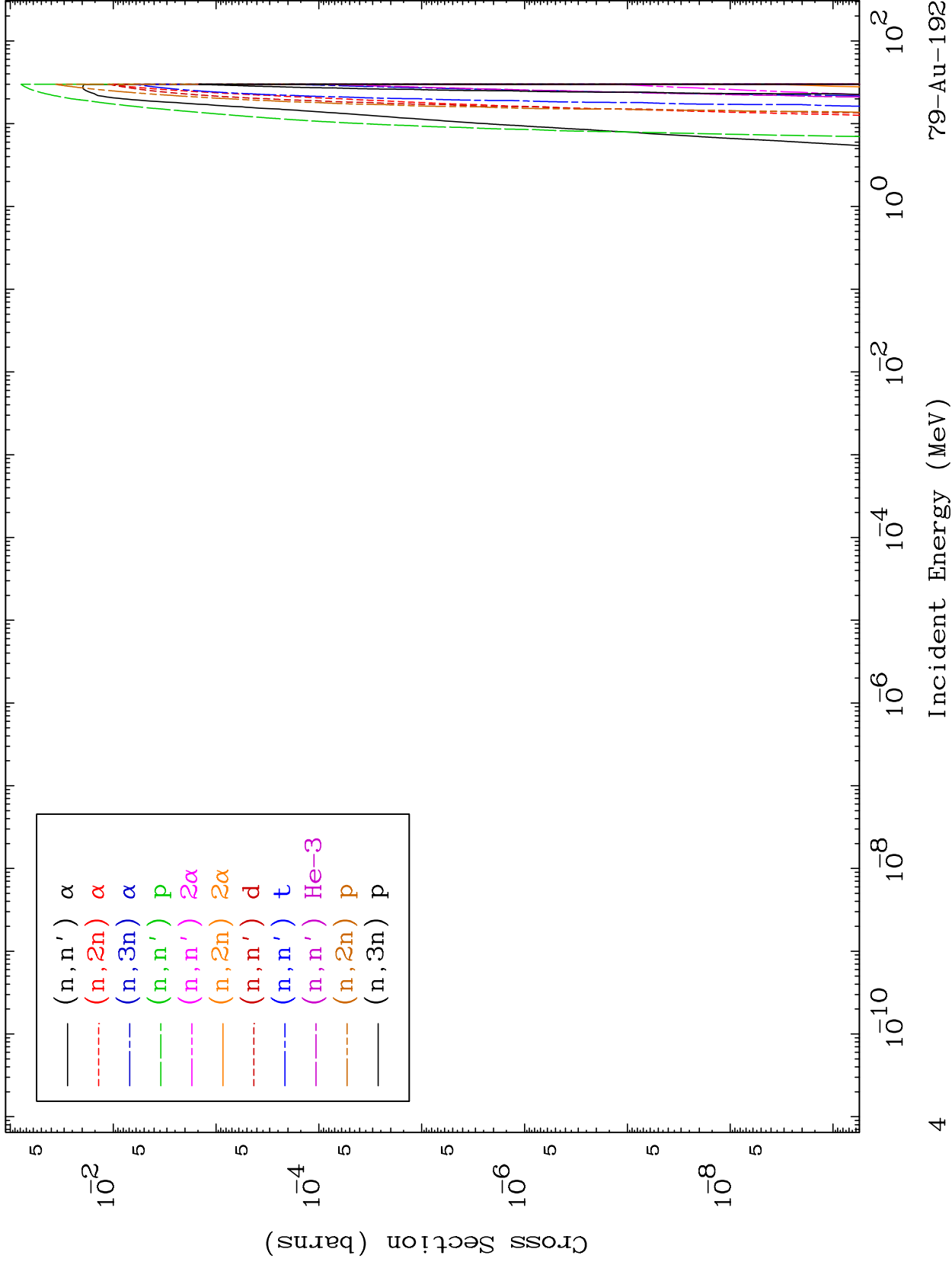
79-Au-192



MAT 7910

Charged Particle  
293 Kelvin Cross Sections

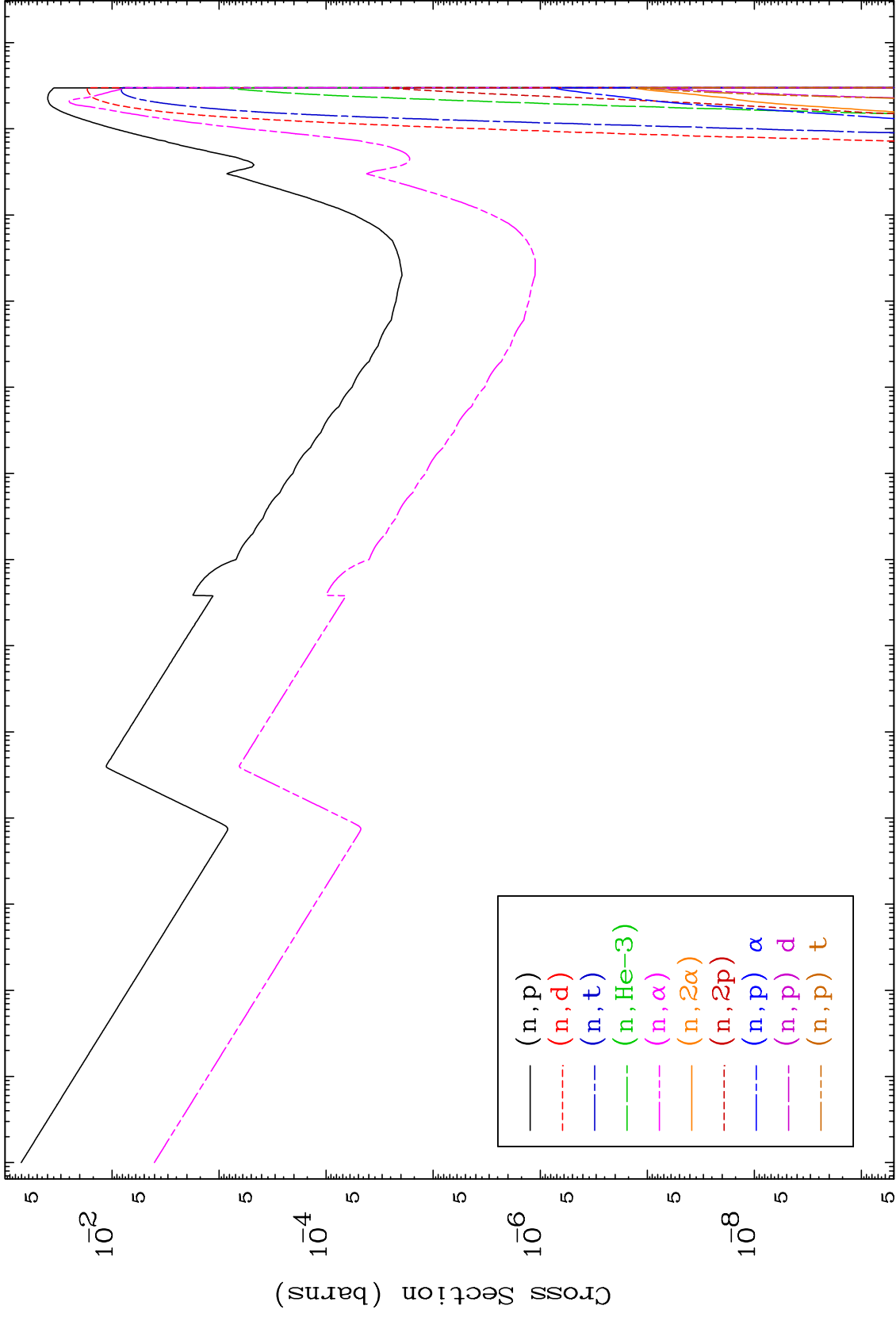
79-Au-192



MAT 7910

Charged Particle  
293 Kelvin Cross Sections

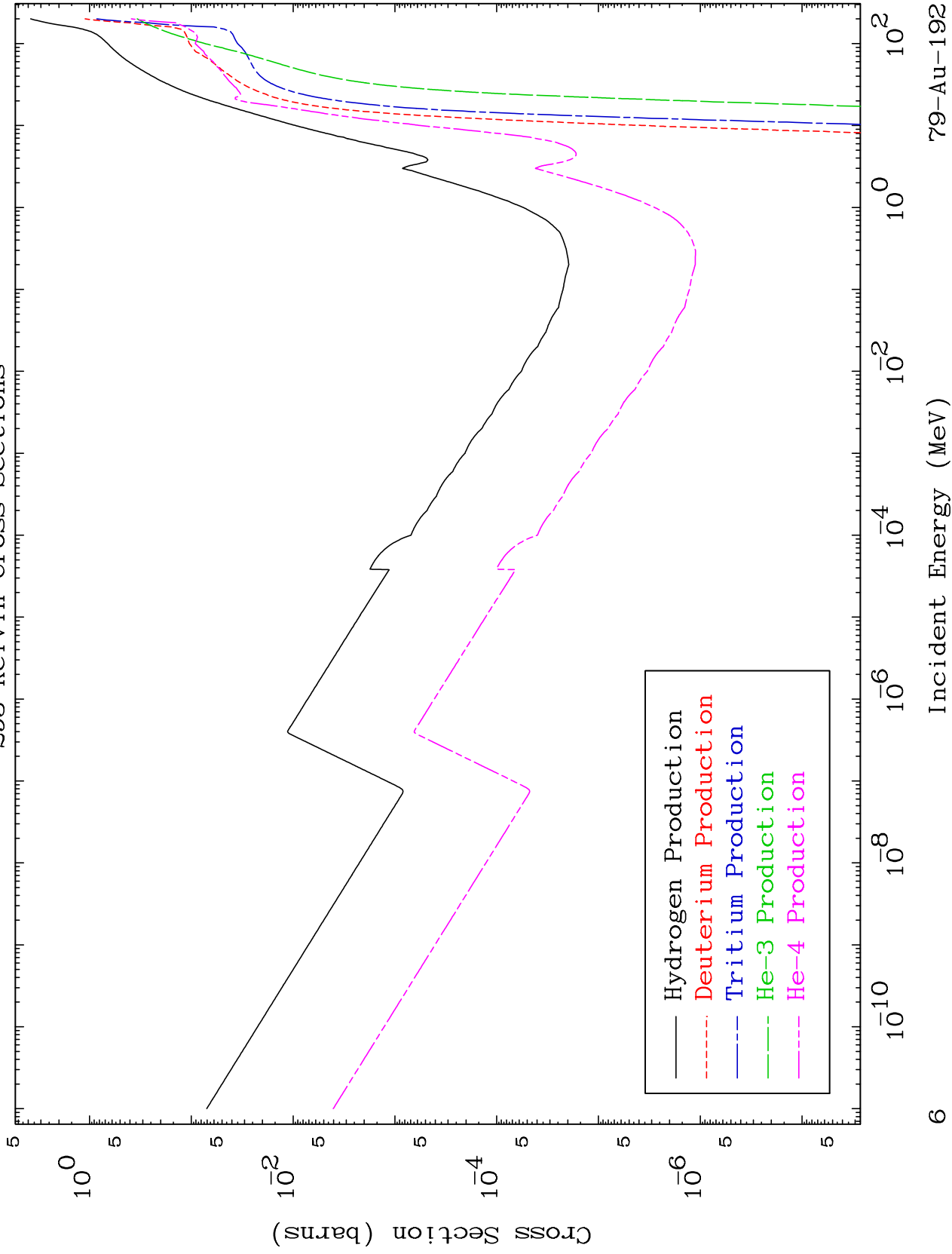
79-Au-192



5

Incident Energy (MeV)

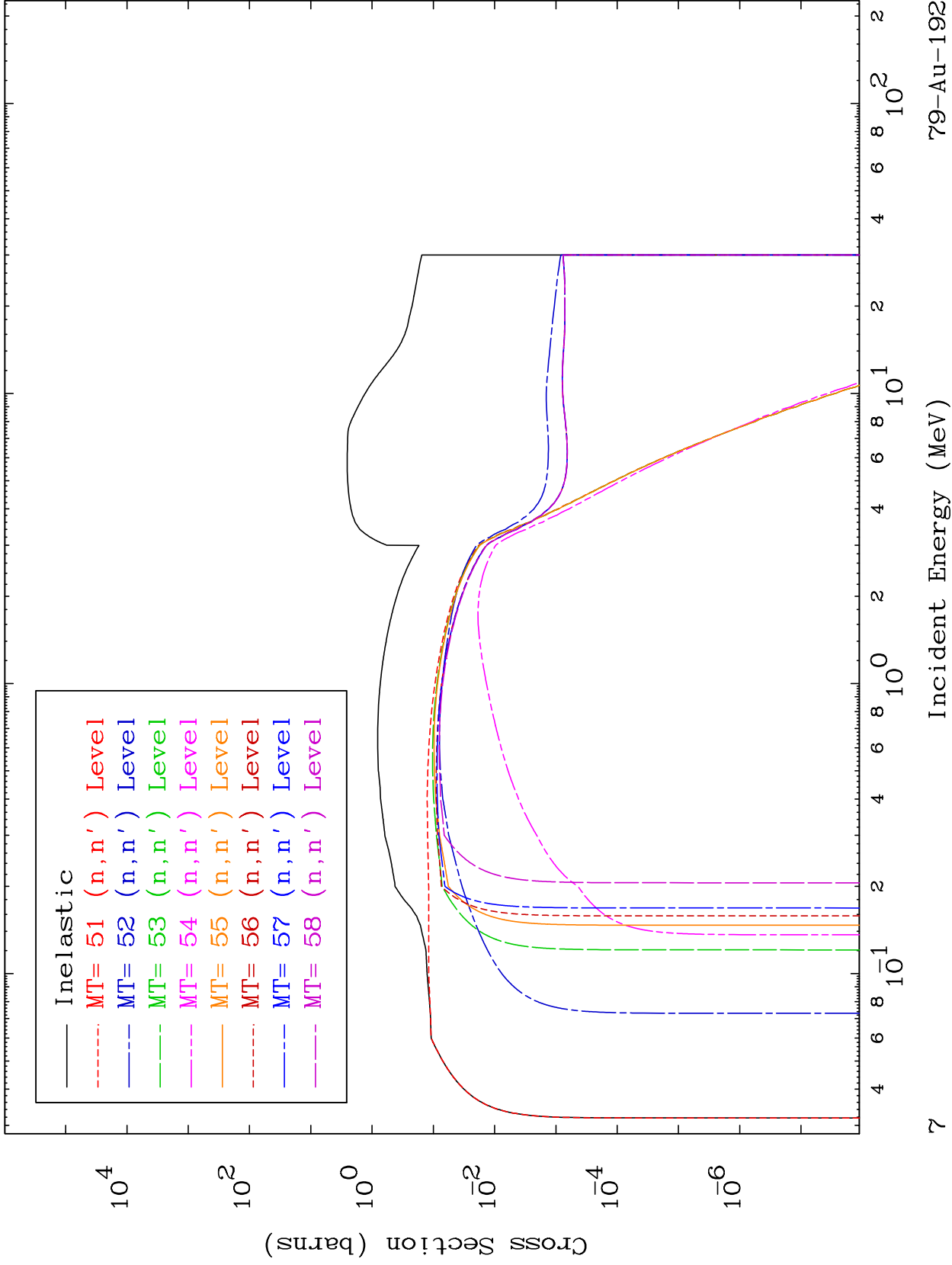
79-Au-192



MAT 7910

293 (n,n') Level  
Kelvin Cross Sections

79-Au-192



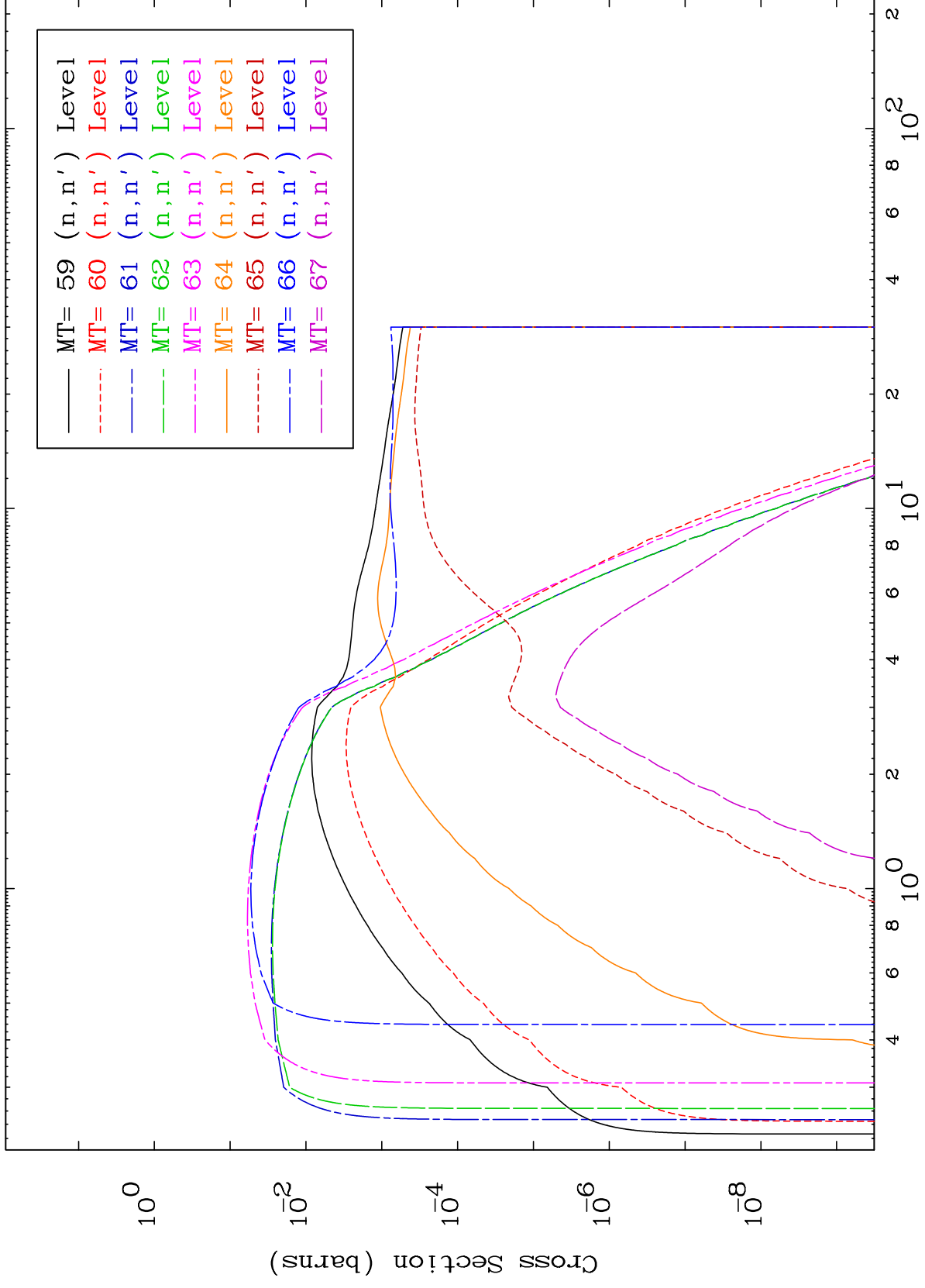


MAT 7910

(n,n') Level

79-Au-192

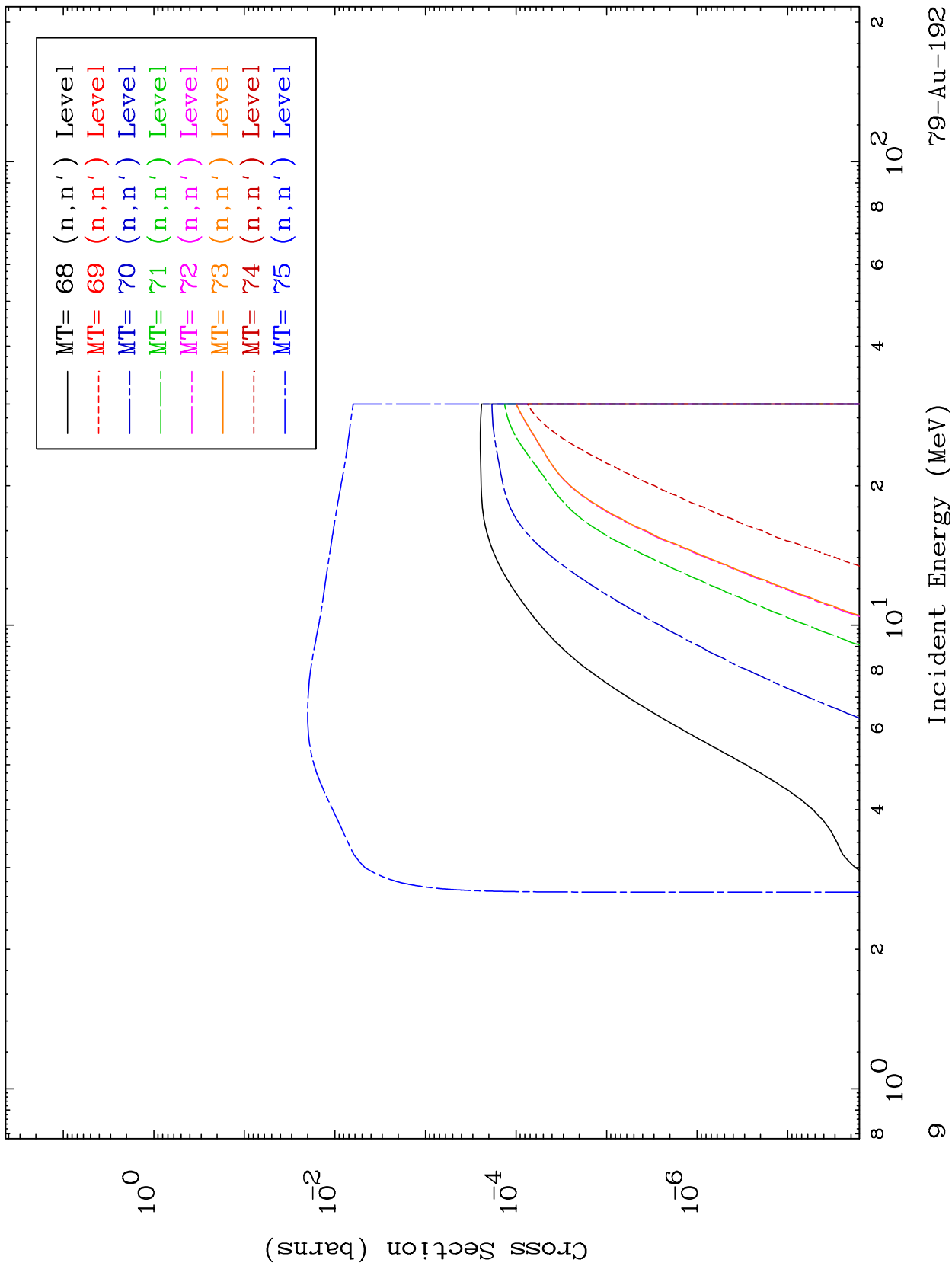
293 Kelvin Cross Sections



MAT 7910

(n,n') Level  
293 Kelvin Cross Sections

79-Au-192



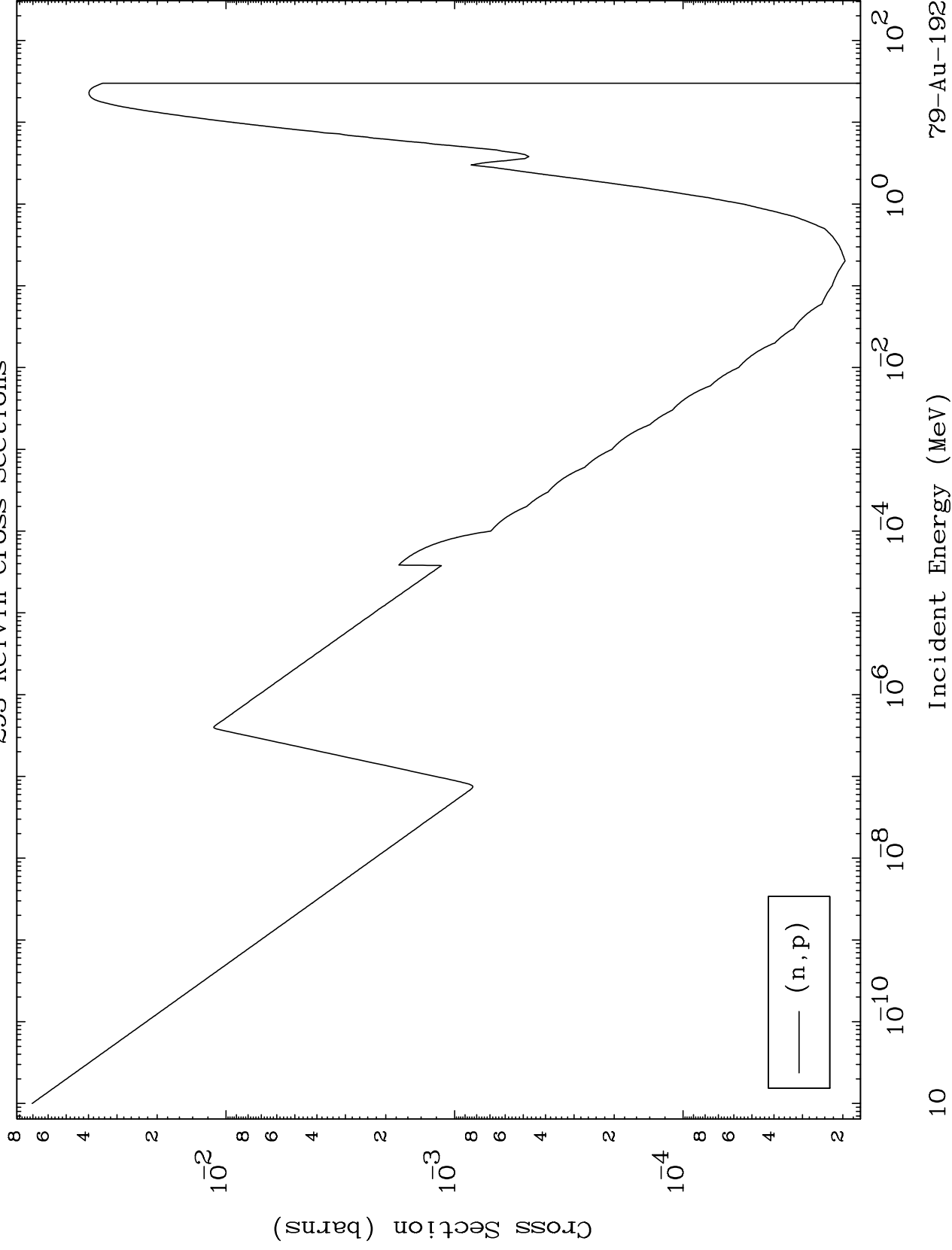
9

79-Au-192

MAT 7910

(n,p) Levels  
293 Kelvin Cross Sections

79-Au-192



79-Au-192

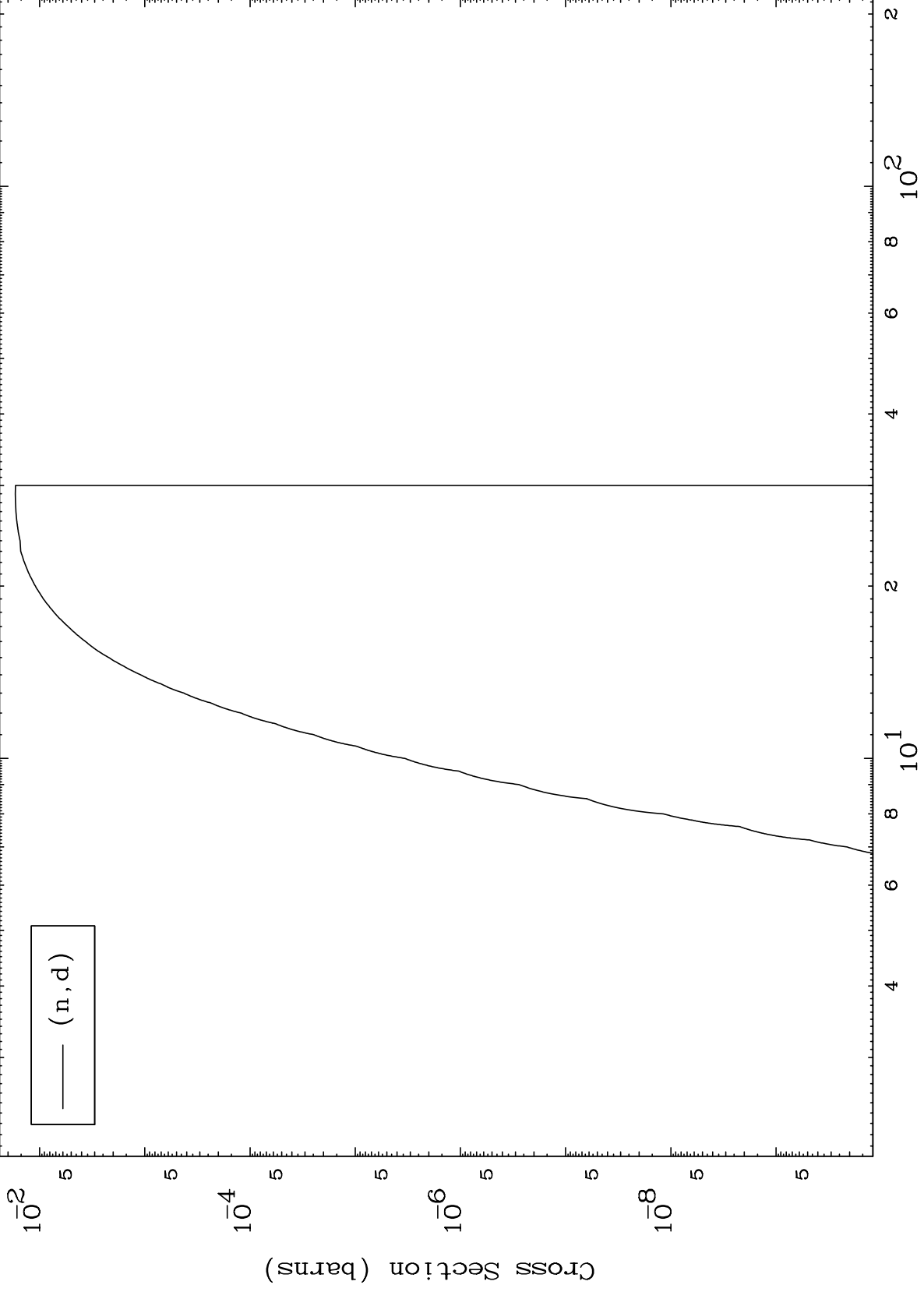
Incident Energy (MeV)

10

MAT 7910

(n,d) Levels  
293 Kelvin Cross Sections

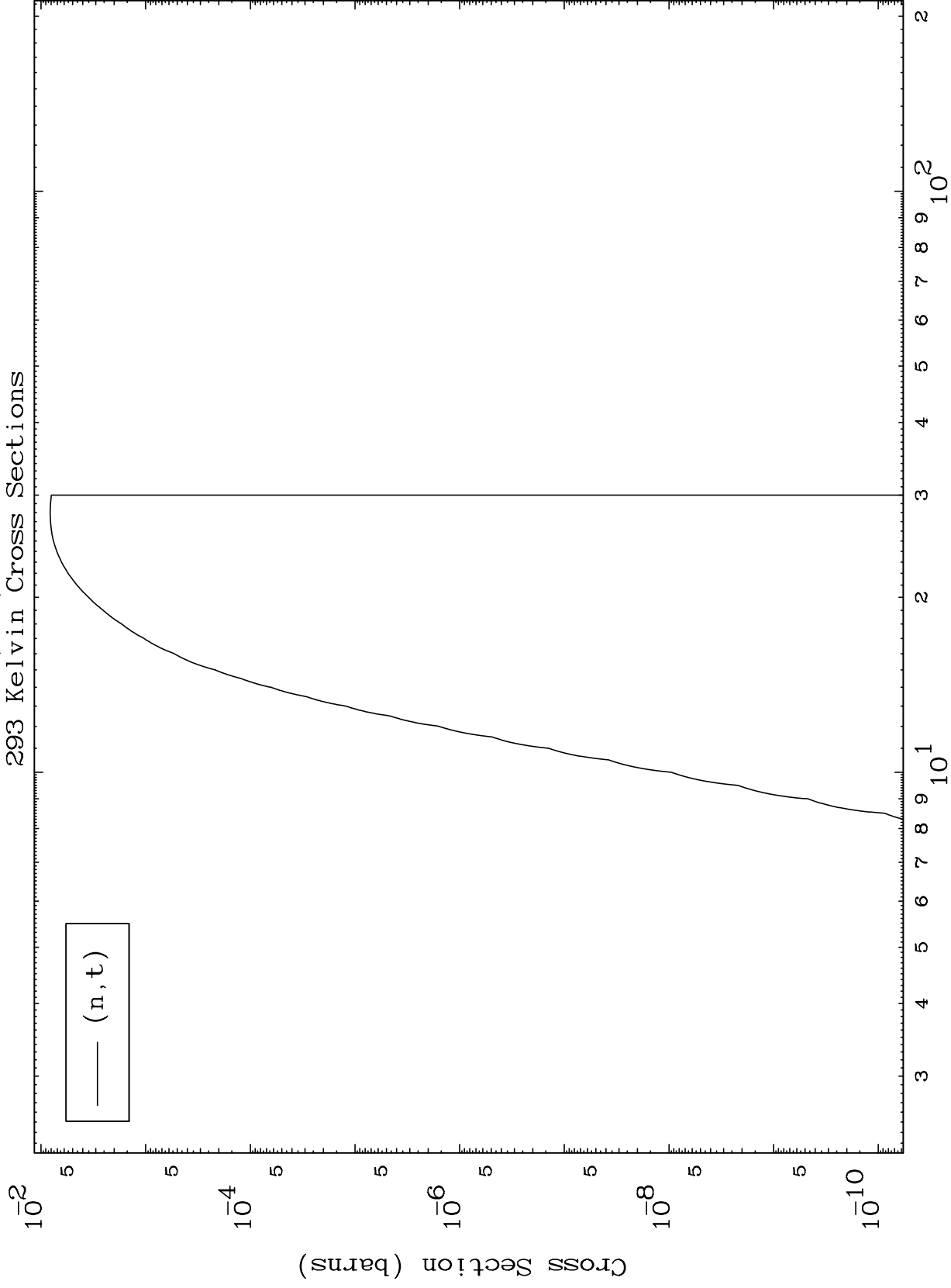
79-Au-192



MAT 7910

(n,t) Levels  
293 Kelvin Cross Sections

79-Au-192



12

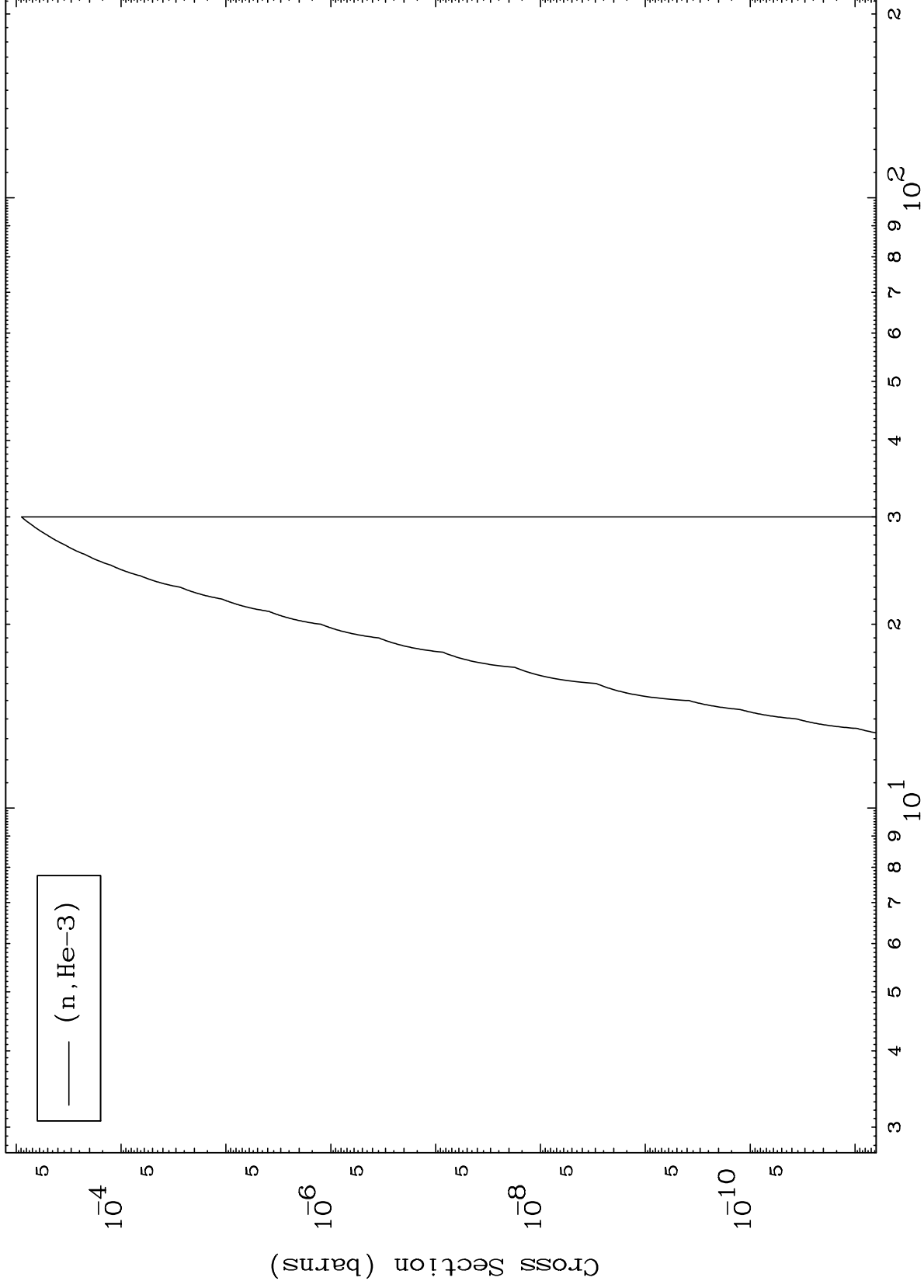
Incident Energy (MeV)

79-Au-192

MAT 7910

(n,He3) Levels  
293 Kelvin Cross Sections

79-Au-192



13

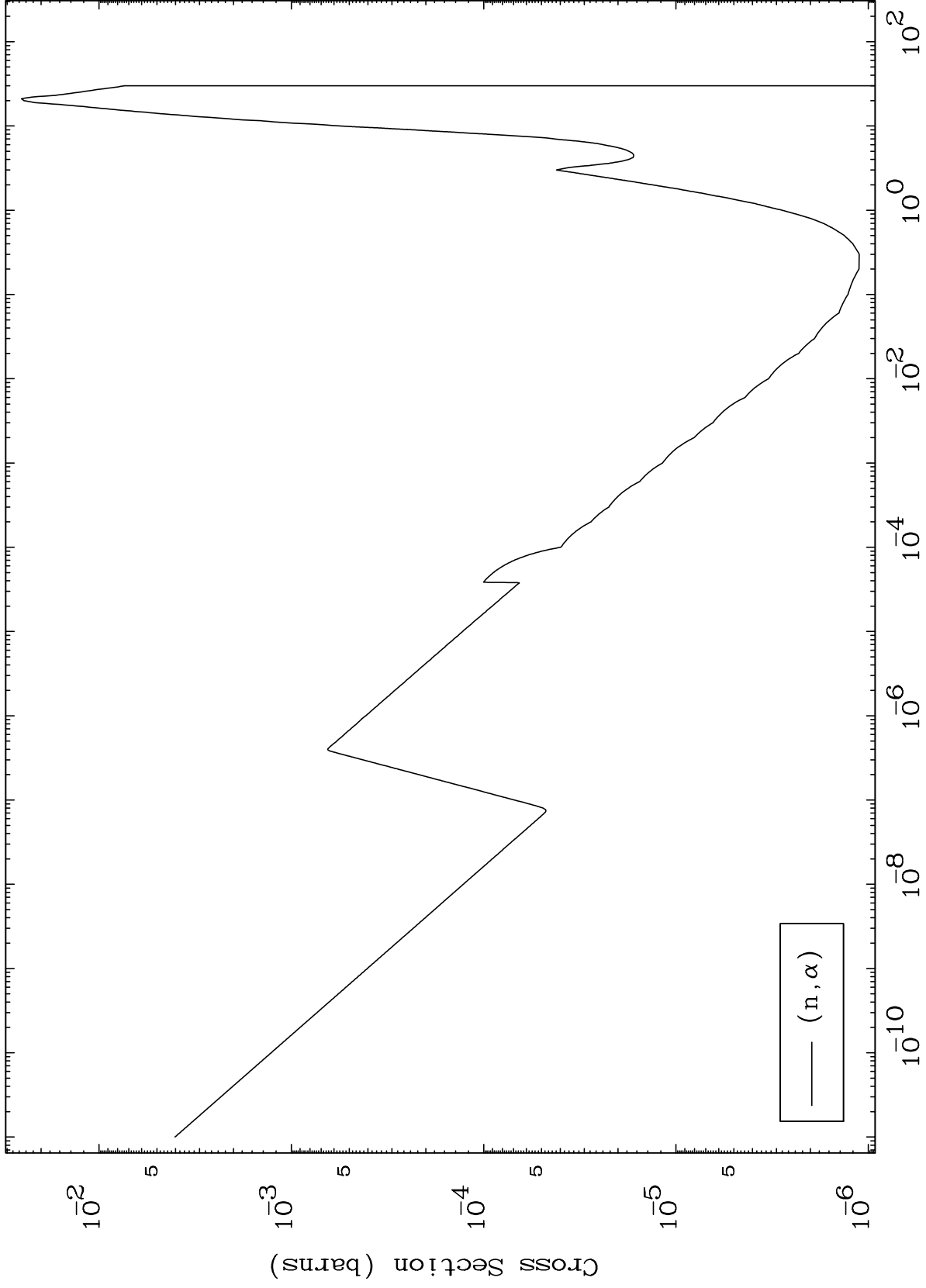
Incident Energy (MeV)

79-Au-192

MAT 7910

(n,α) Levels  
293 Kelvin Cross Sections

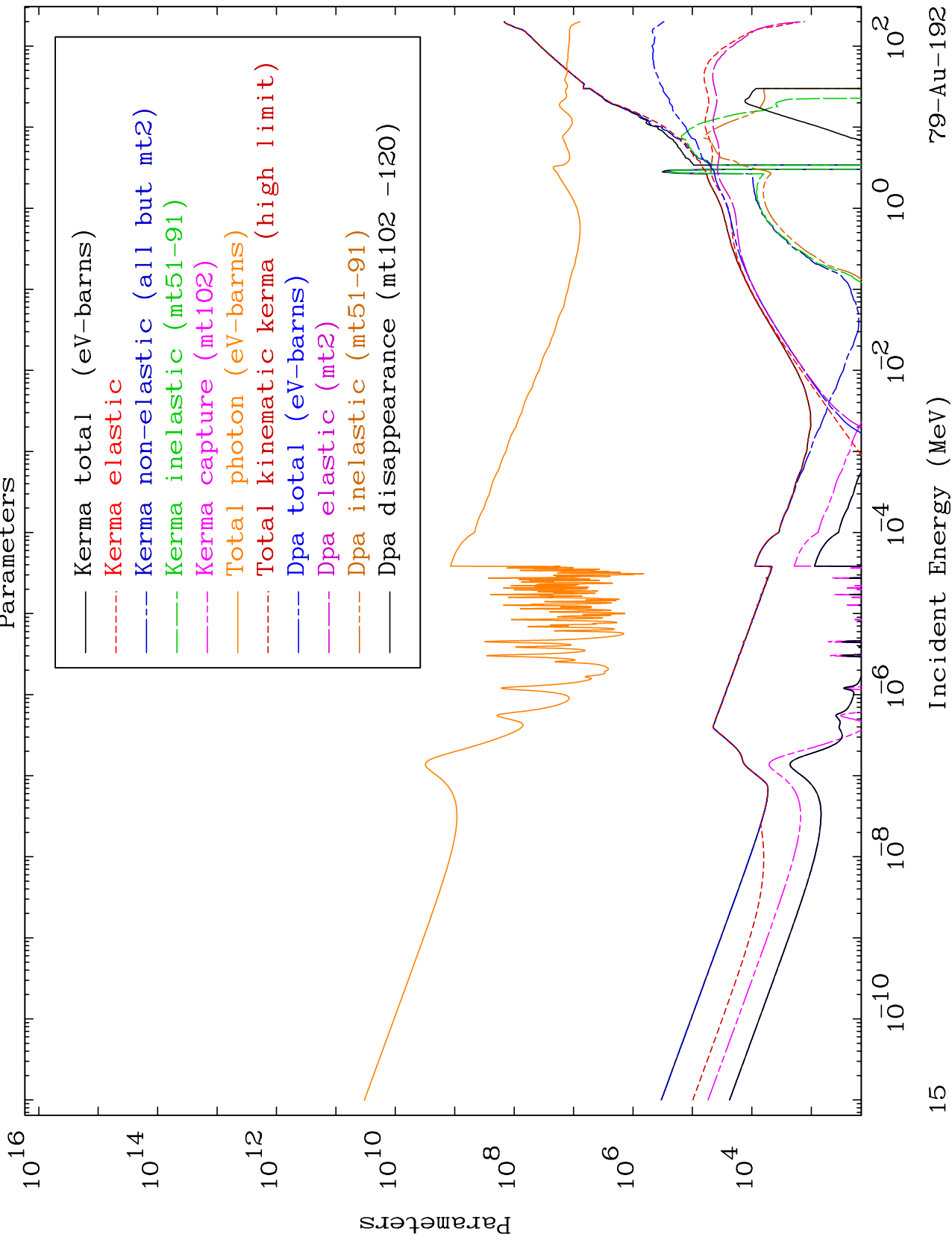
79-Au-192



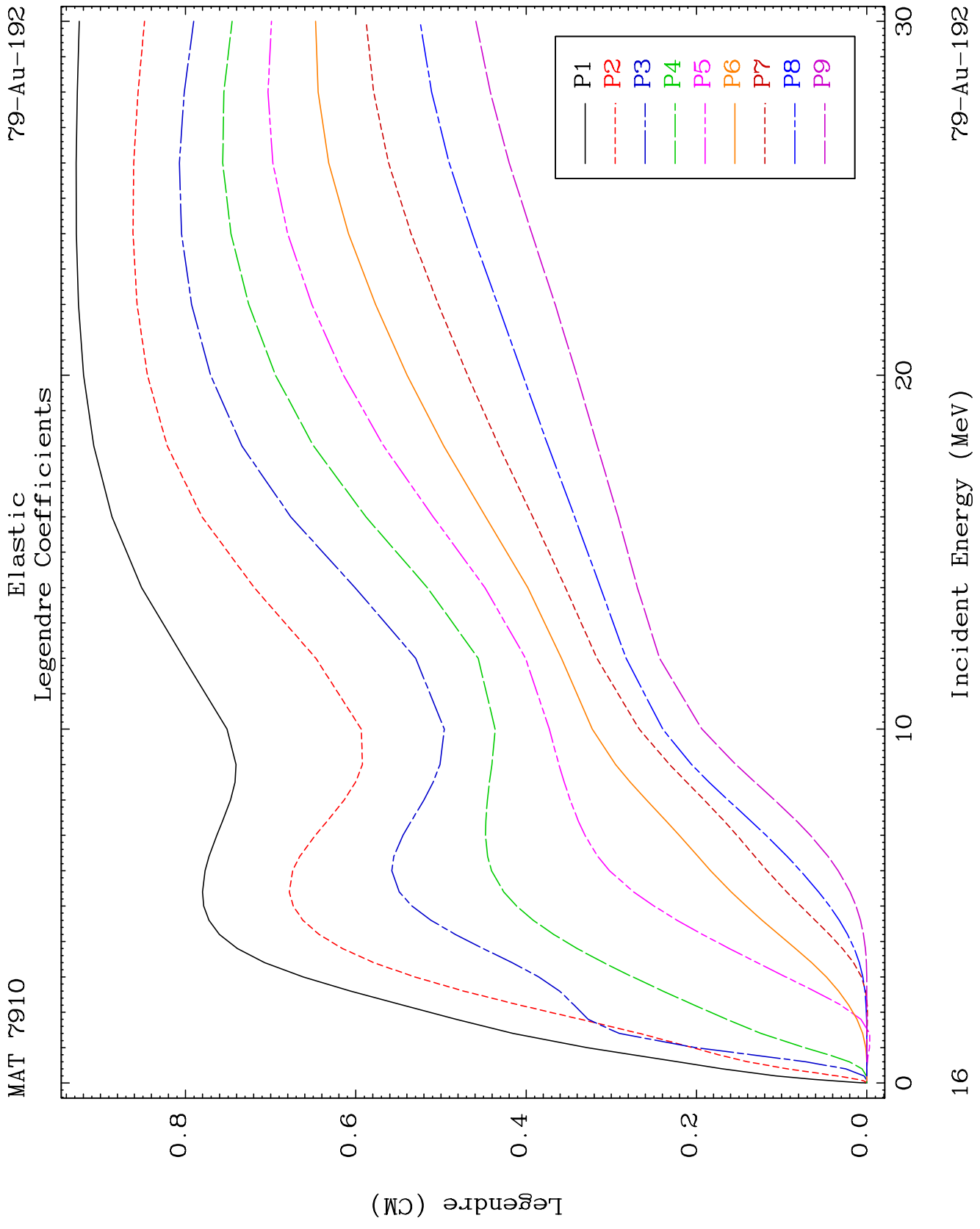
14

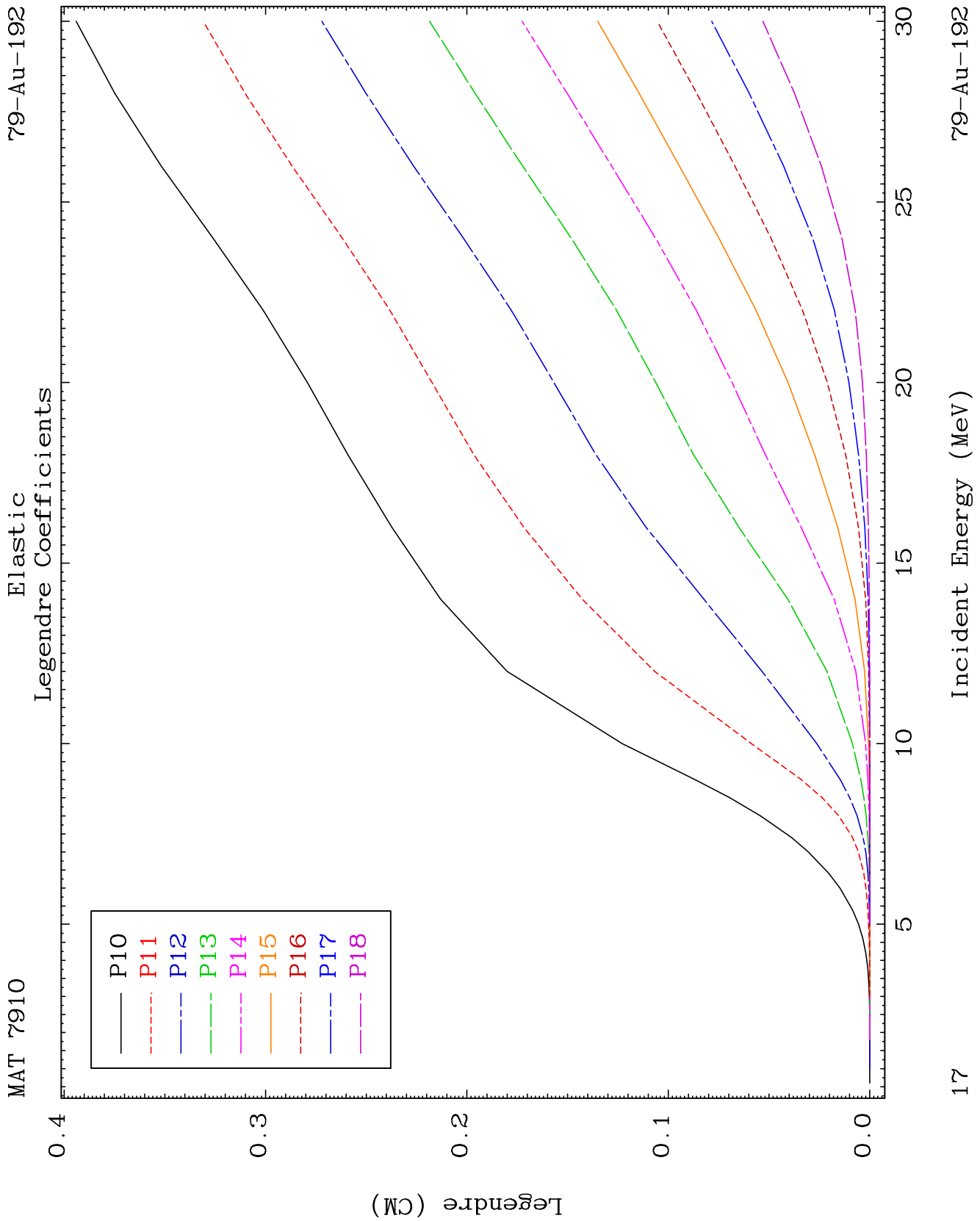
Incident Energy (MeV)

79-Au-192





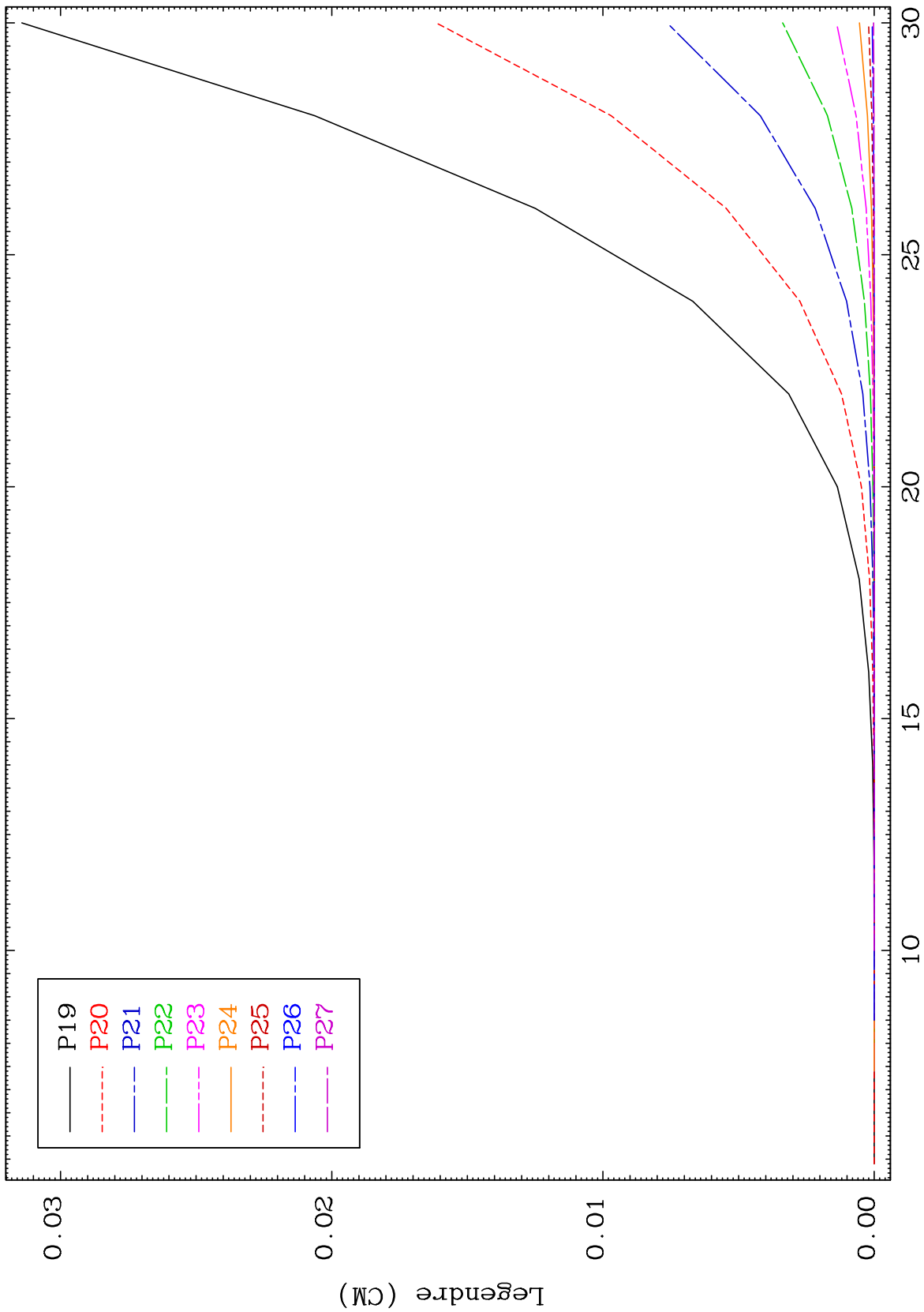




MAT 7910

Elastic Legendre Coefficients

79-Au-192



18

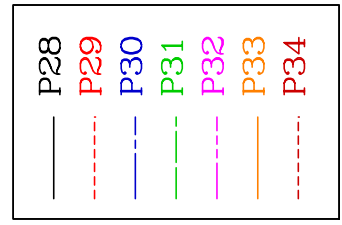
Incident Energy (MeV)

79-Au-192

MAT 7910

Elastic  
Legendre Coefficients

79-Au-192

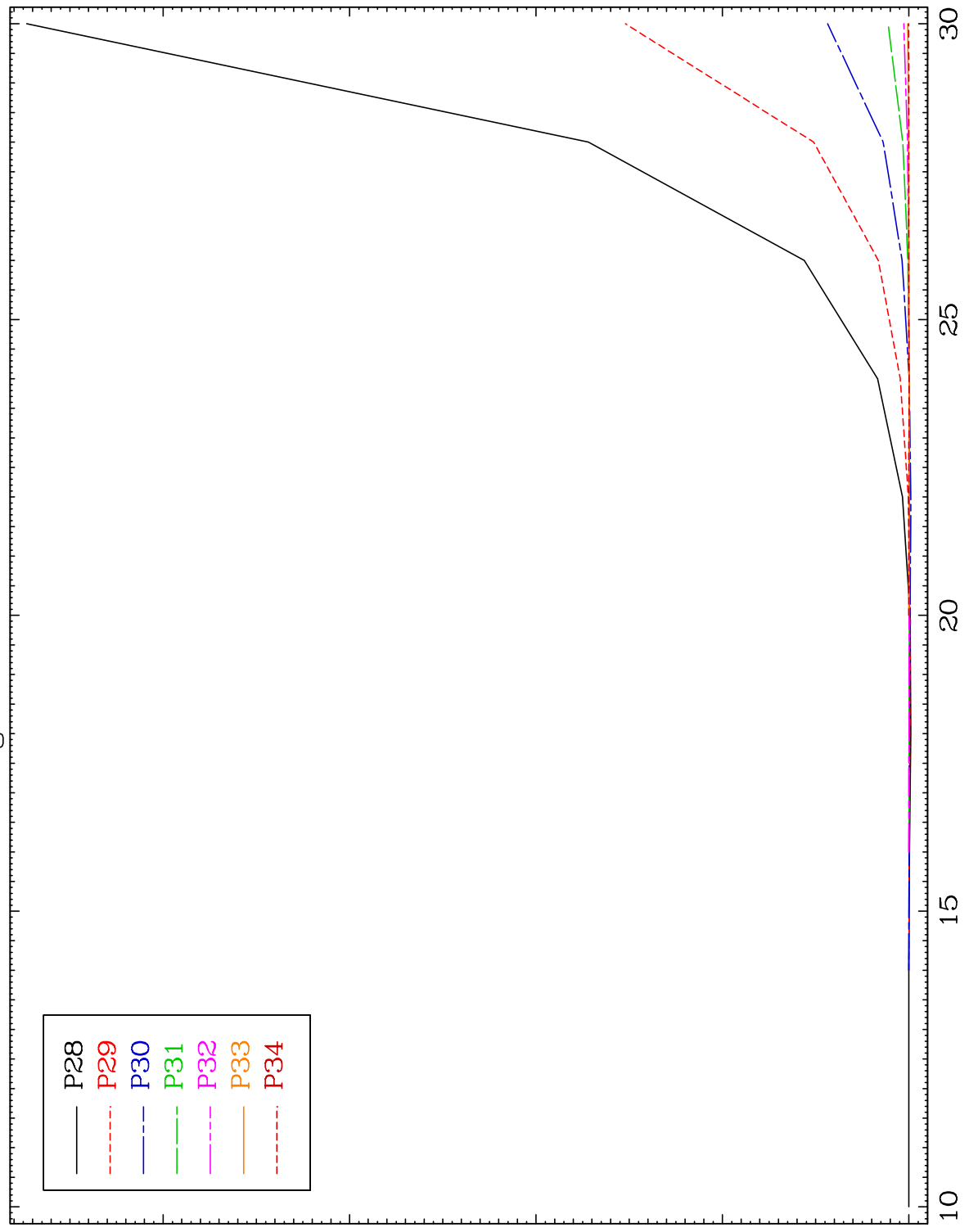


$\times 10^{-6}$

Legendre (CM)

Incident Energy (MeV)

79-Au-192

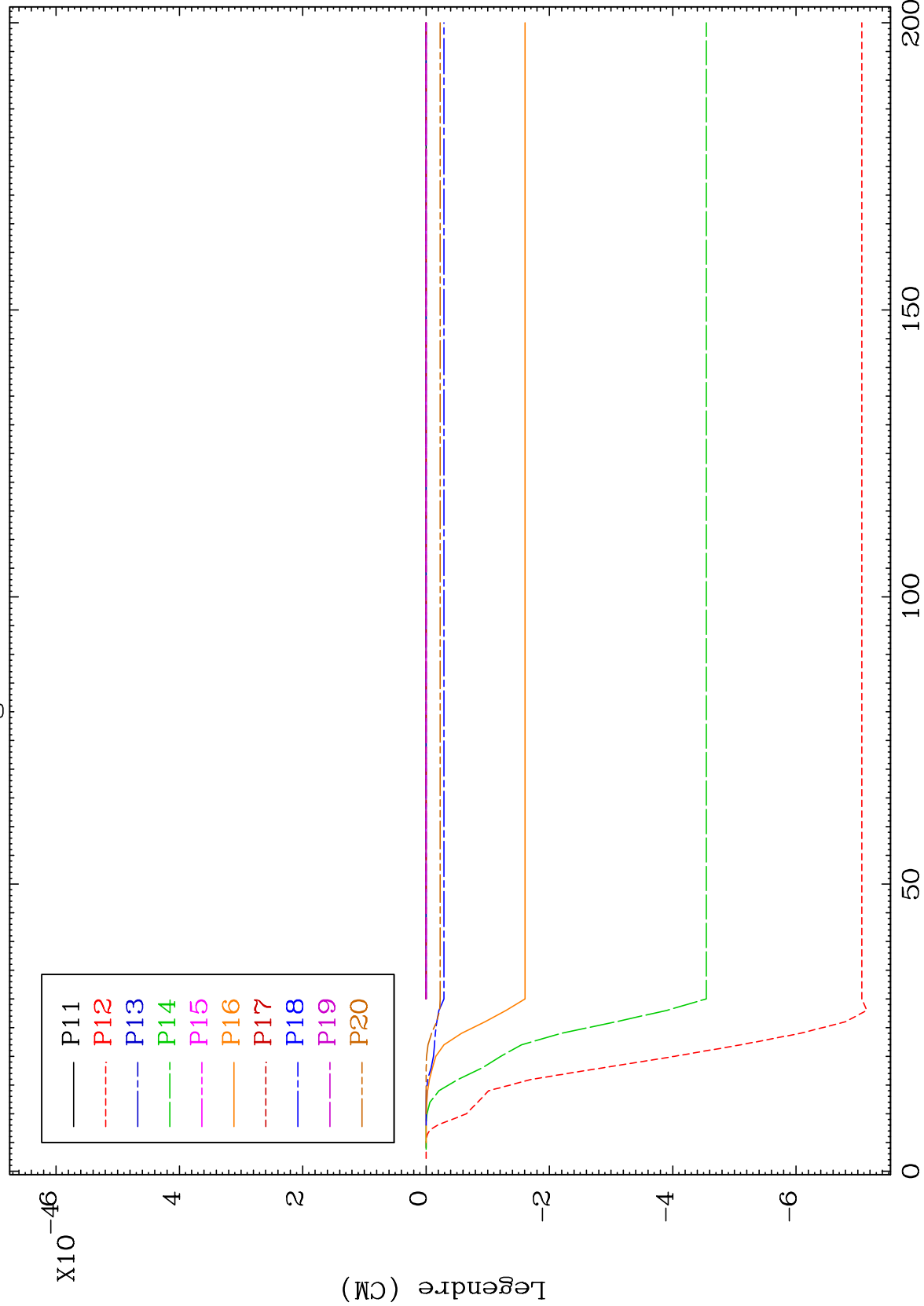




MAT 7910

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

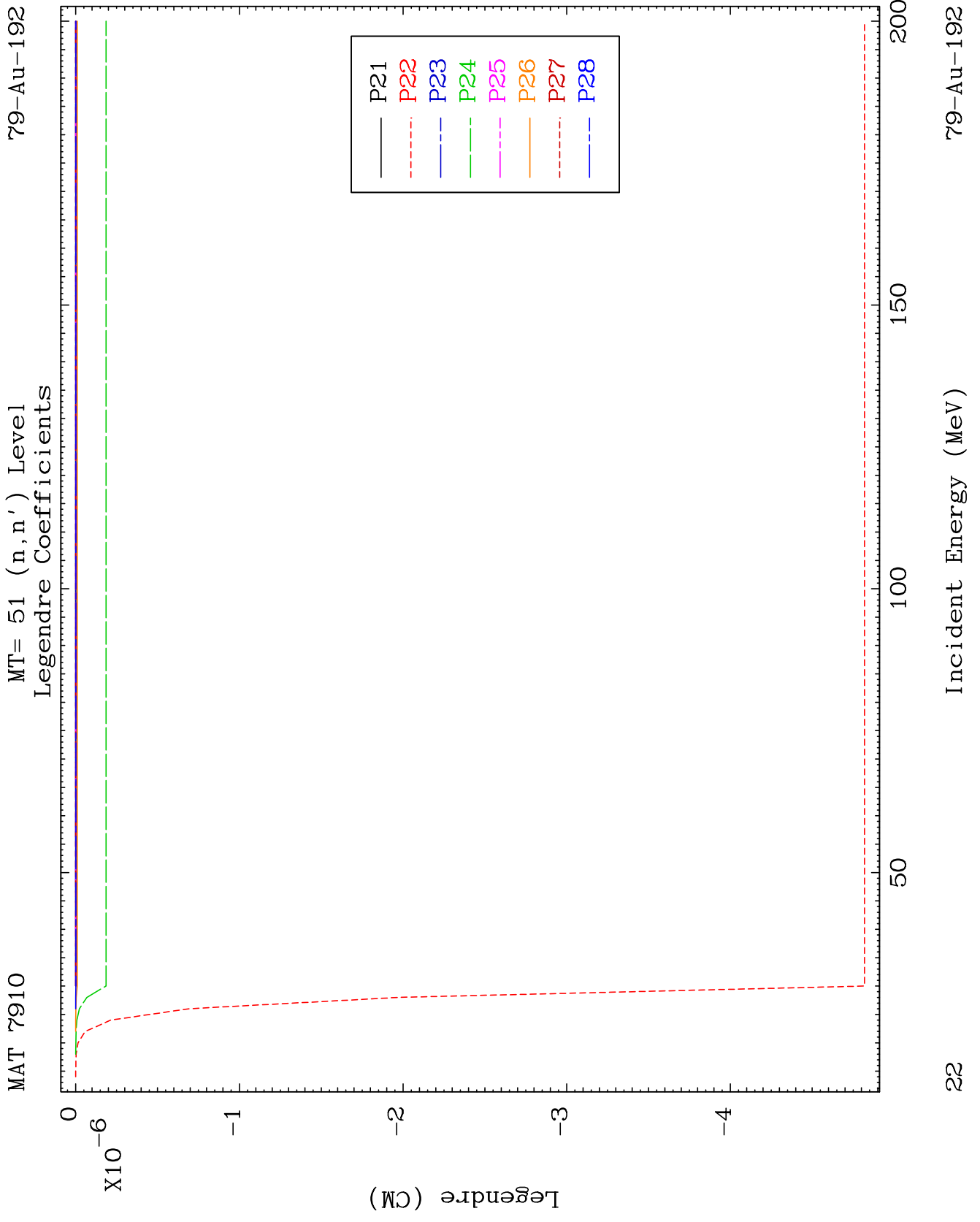
79-Au-192

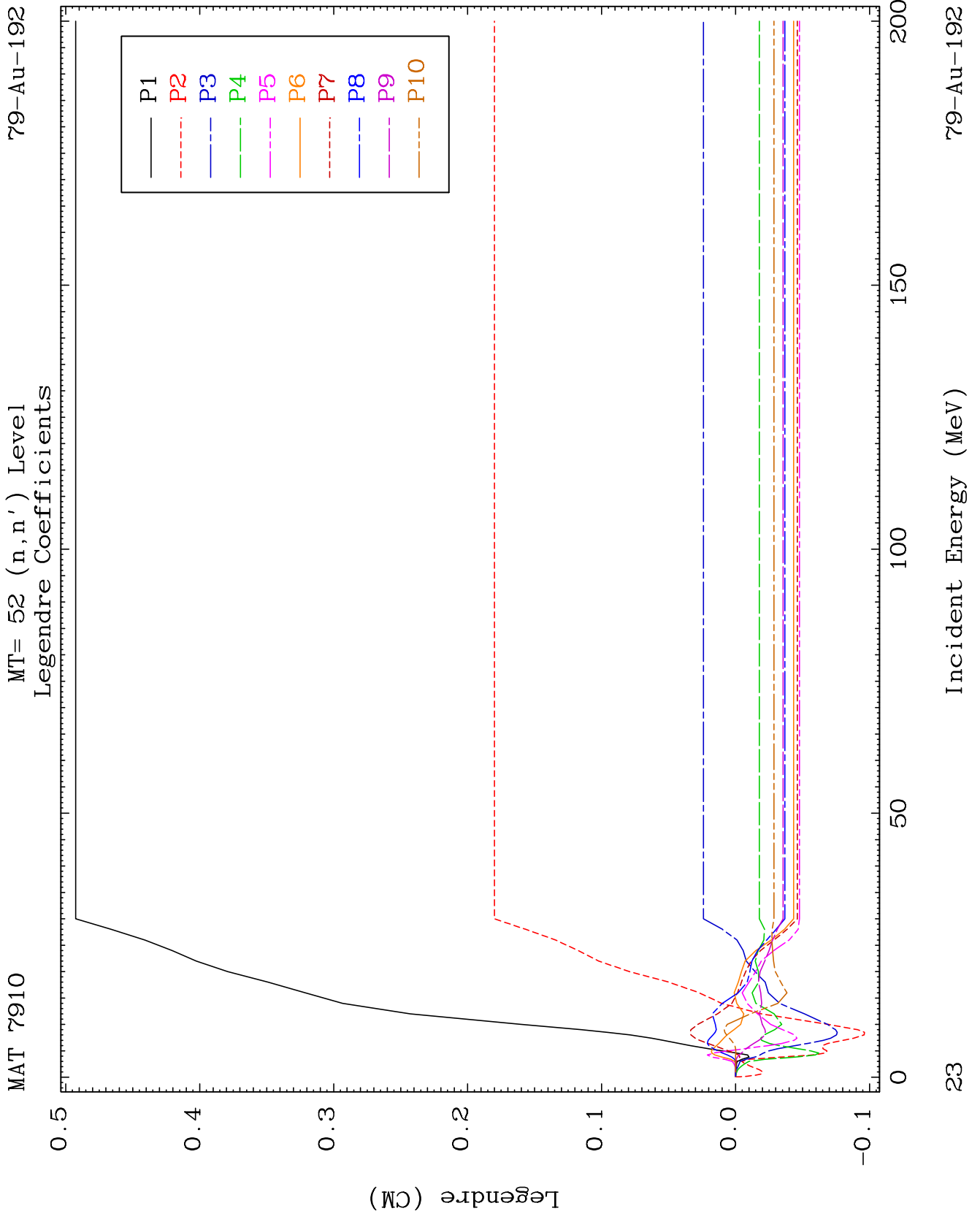


21

Incident Energy (MeV)

79-Au-192



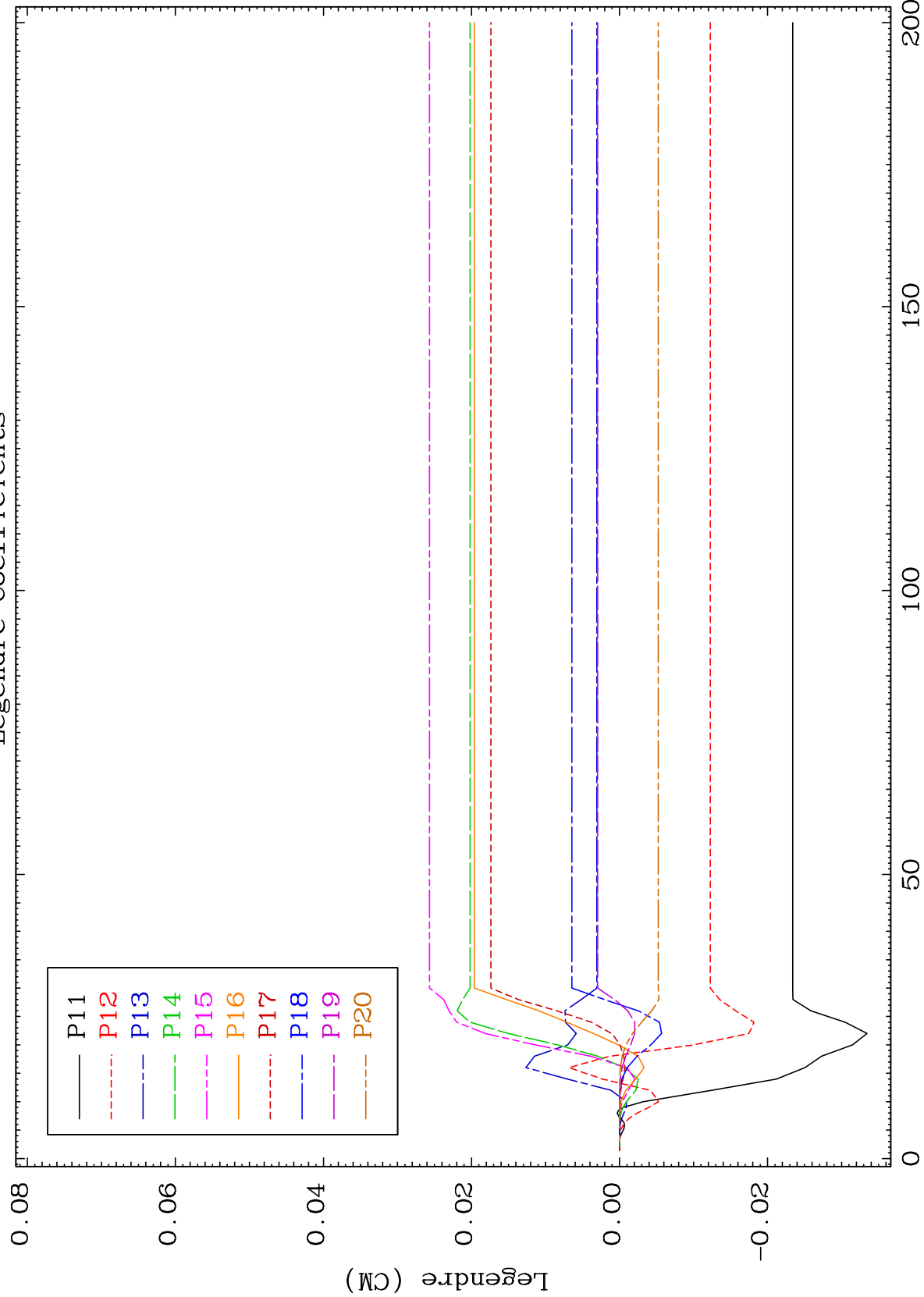




MAT 7910

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

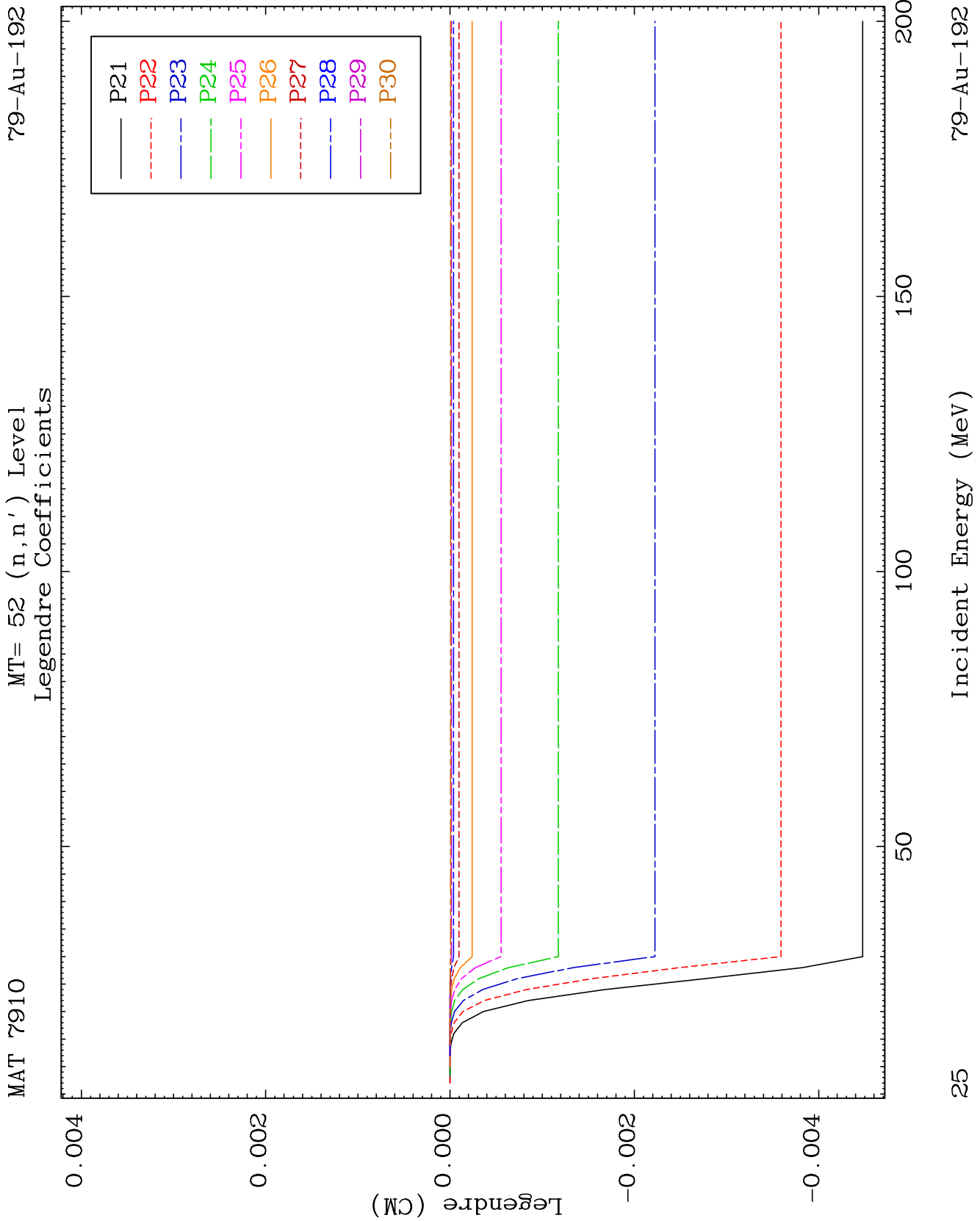
79-Au-192

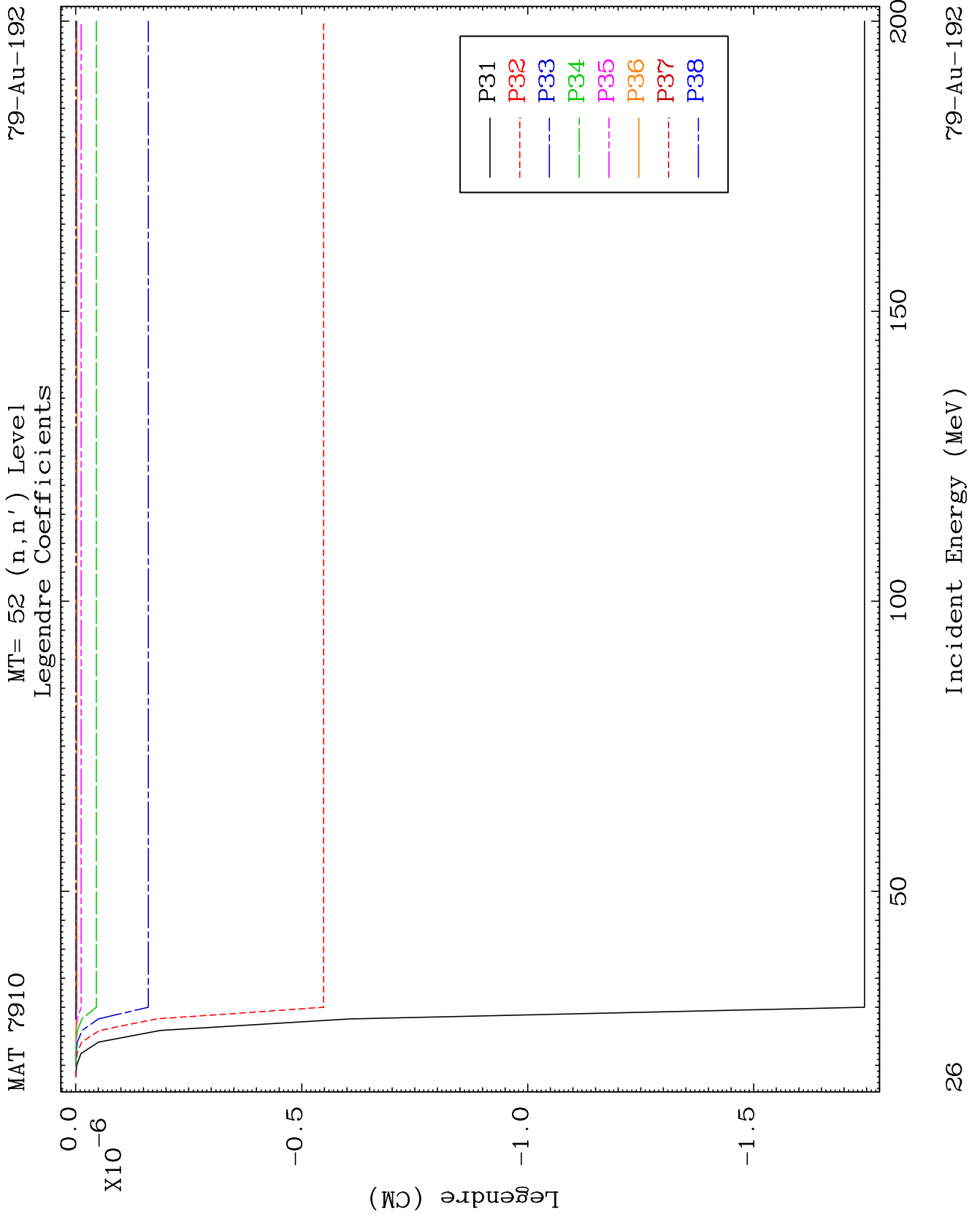


24

Incident Energy (MeV)

79-Au-192



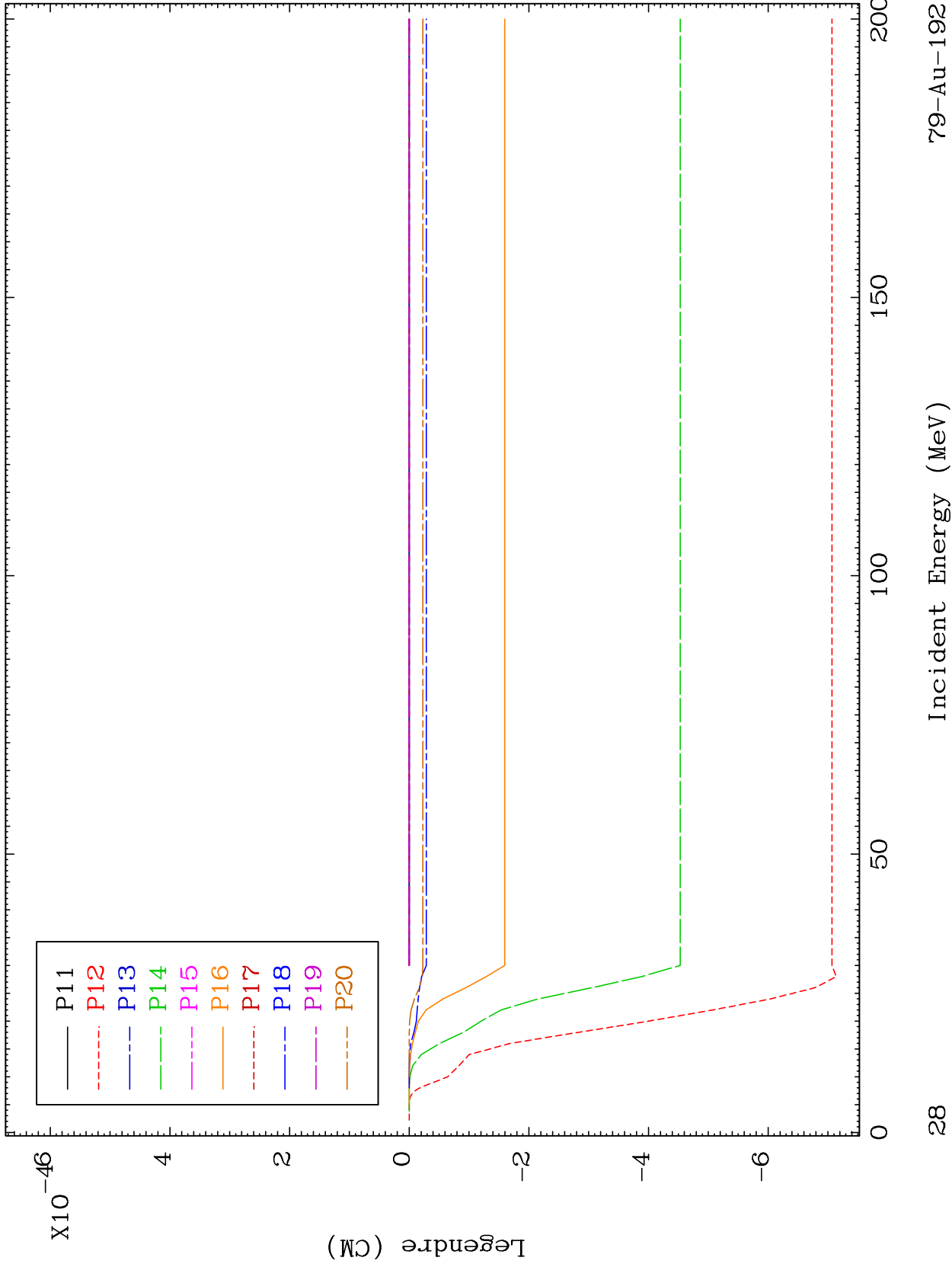




MAT 7910

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

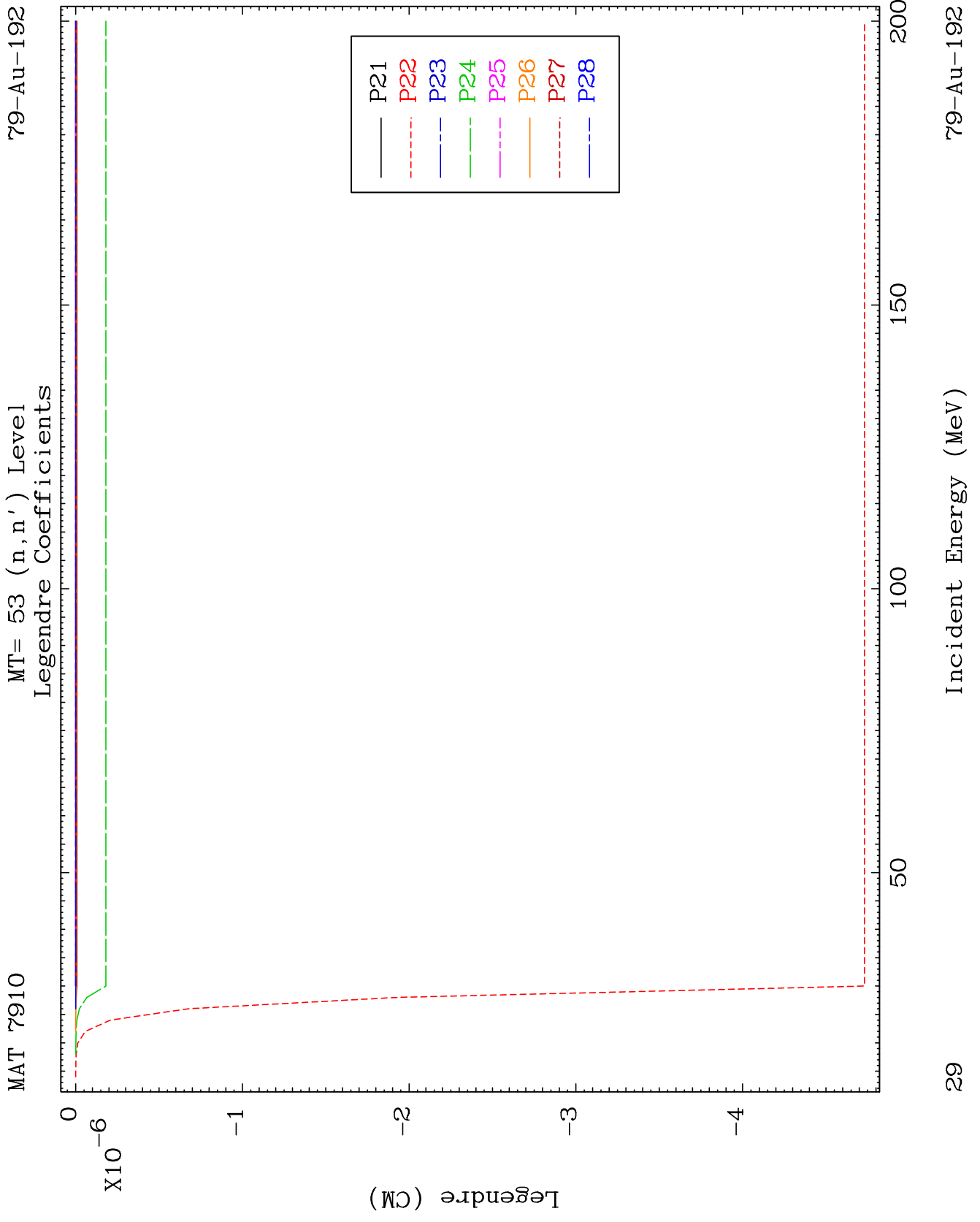
79-Au-192



28

Incident Energy (MeV)

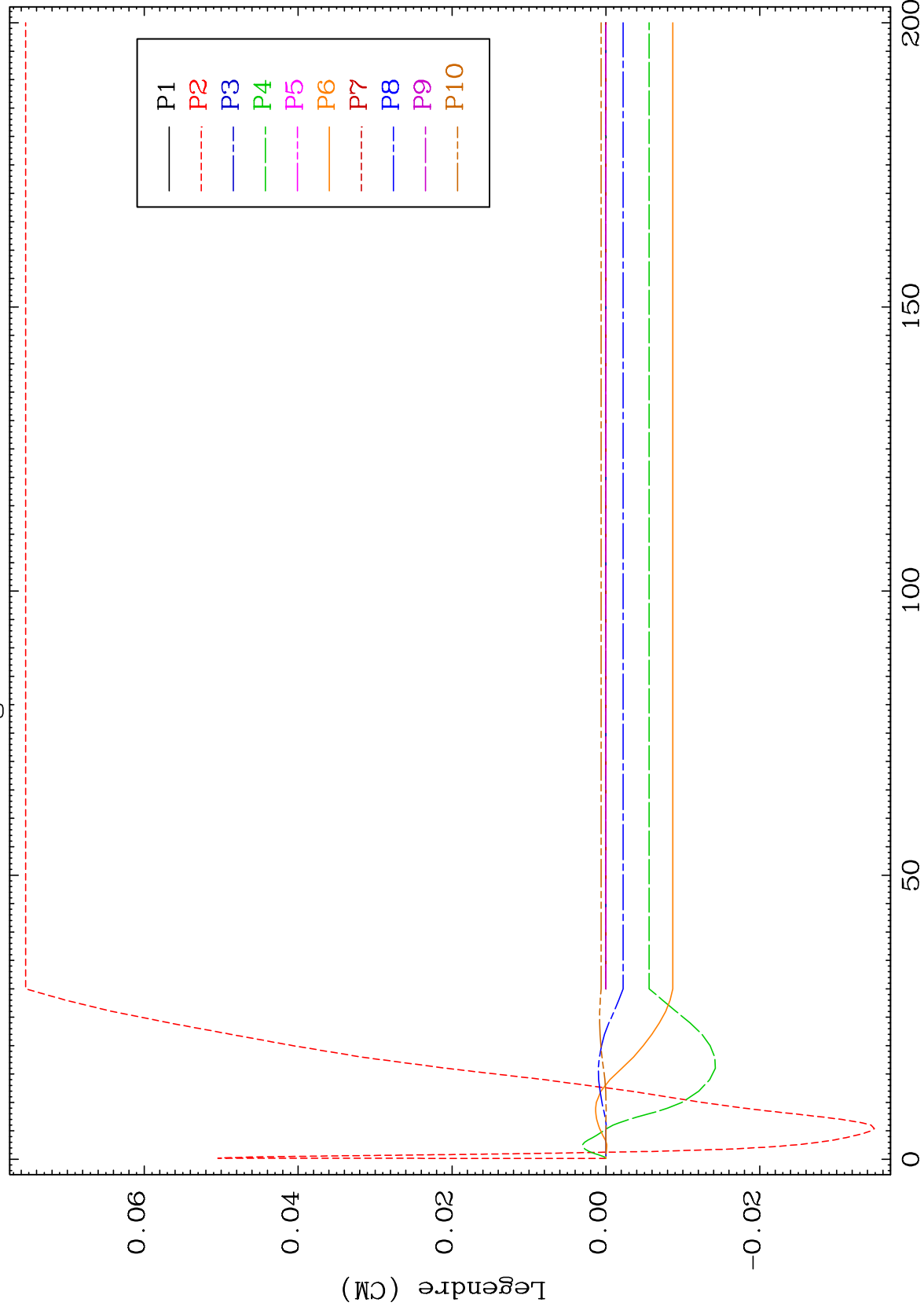
79-Au-192



MAT 7910

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

79-Au-192



79-Au-192

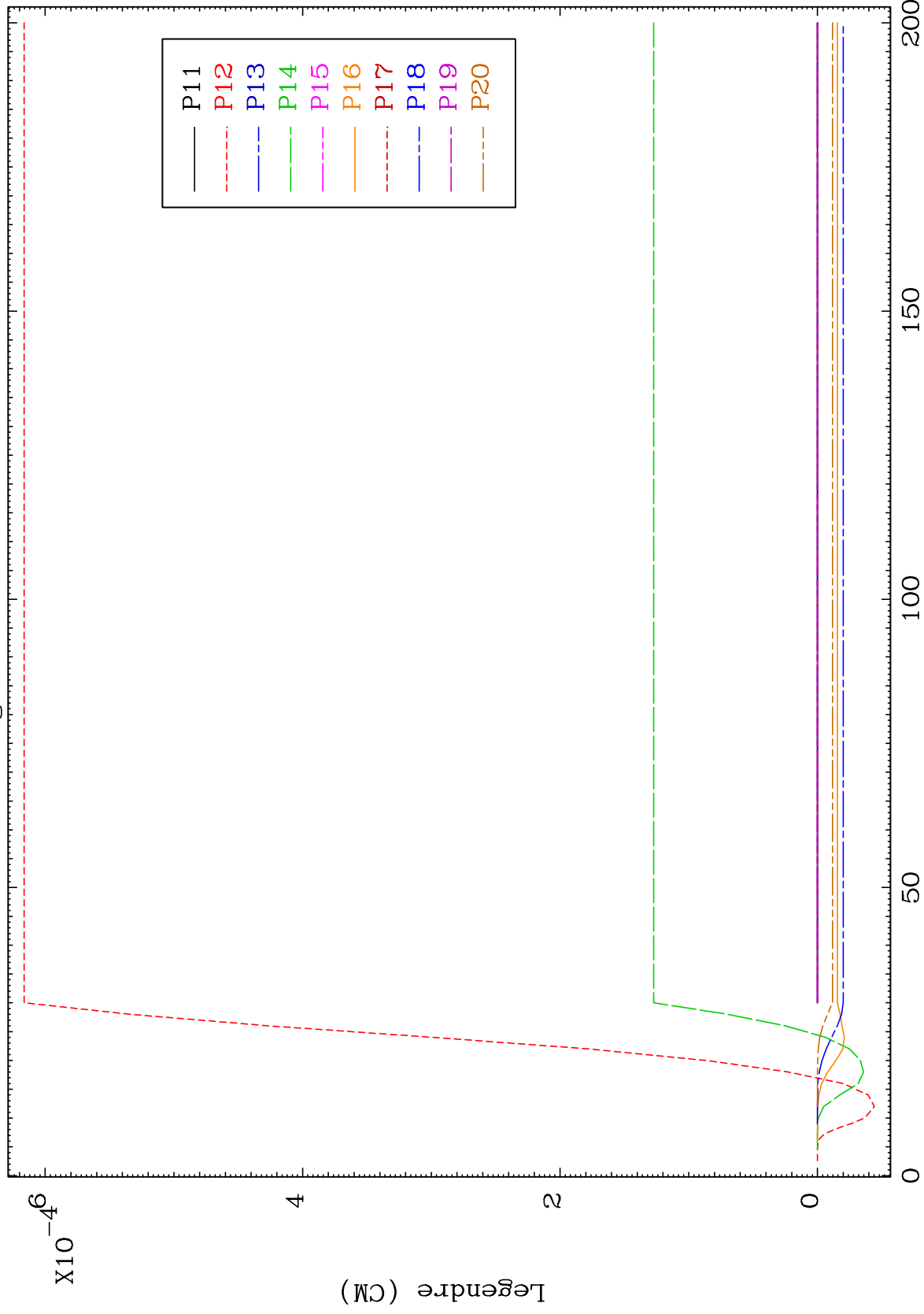
Incident Energy (MeV)

30

MAT 7910

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

79-Au-192

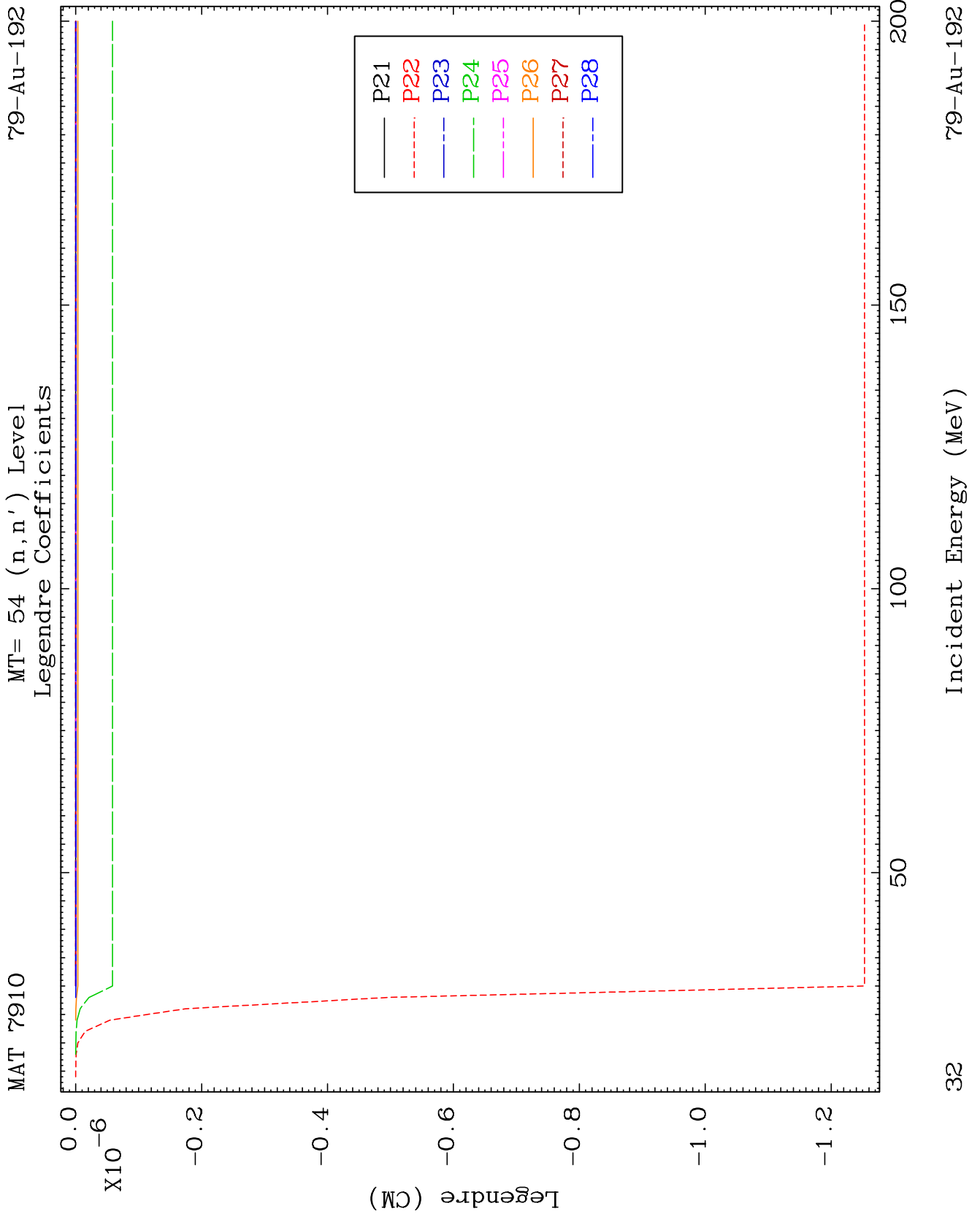


31

Incident Energy (MeV)

79-Au-192



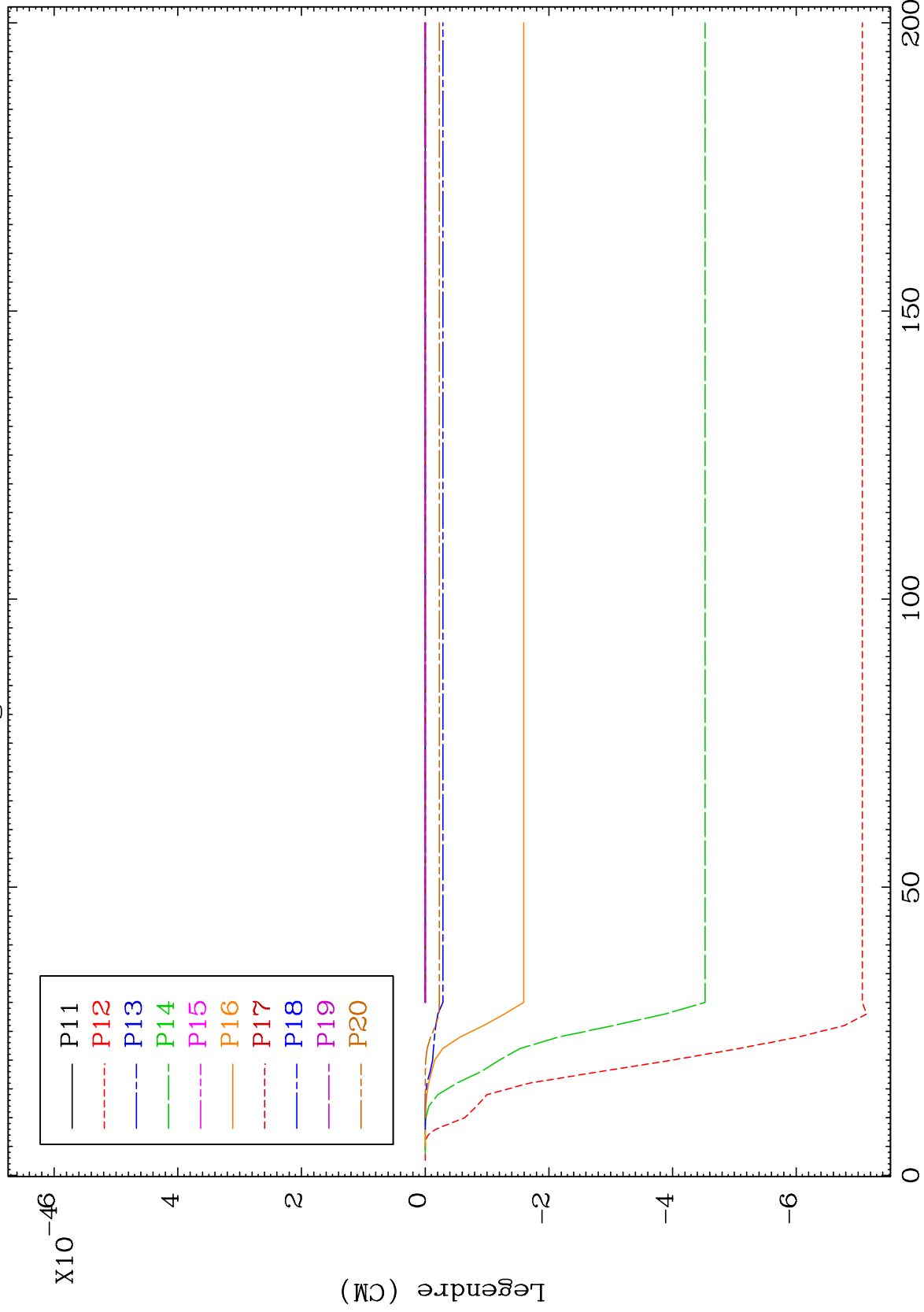




MAT 7910

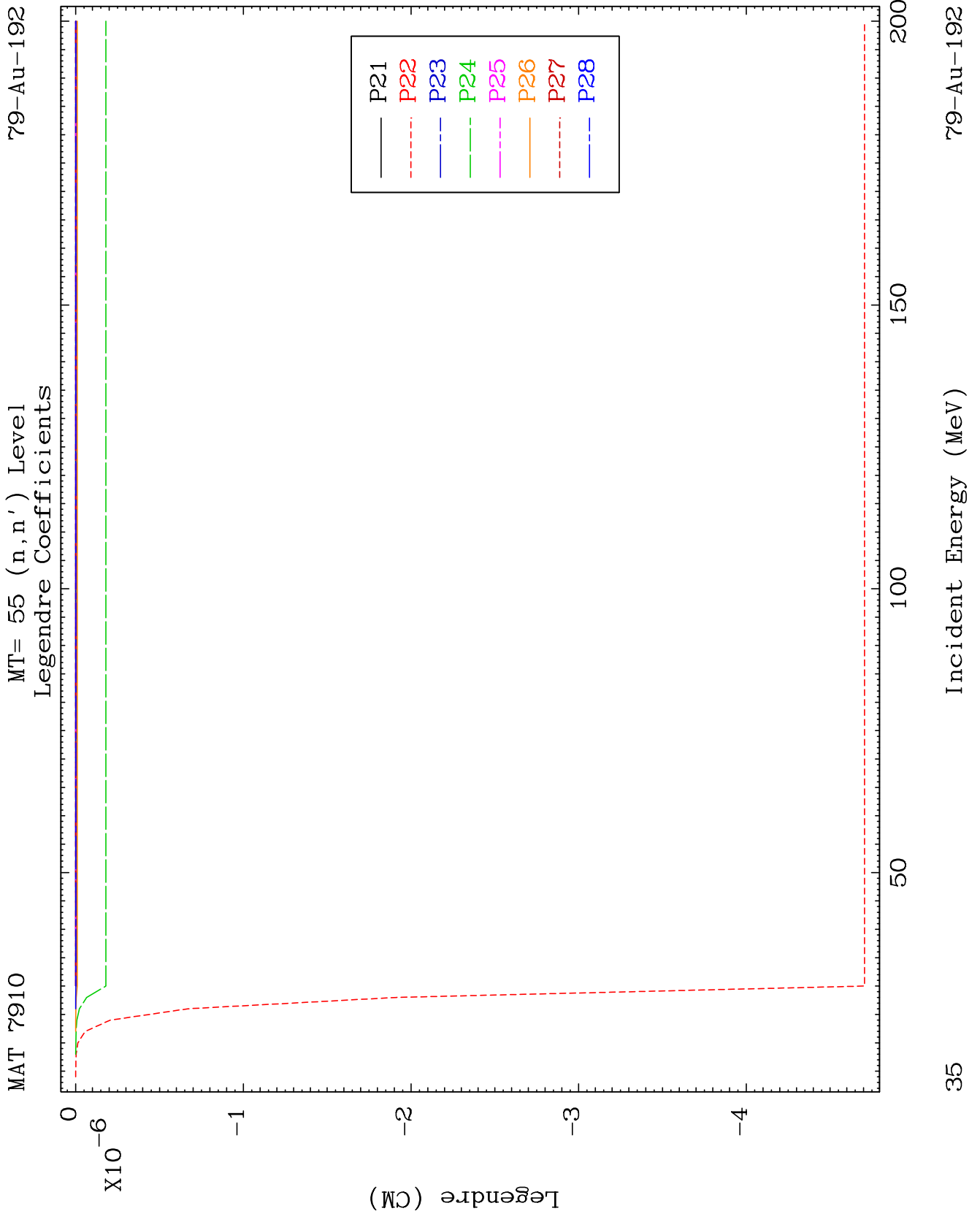
MT= 55 (n,n') Level  
Legendre Coefficients

79-Au-192



34

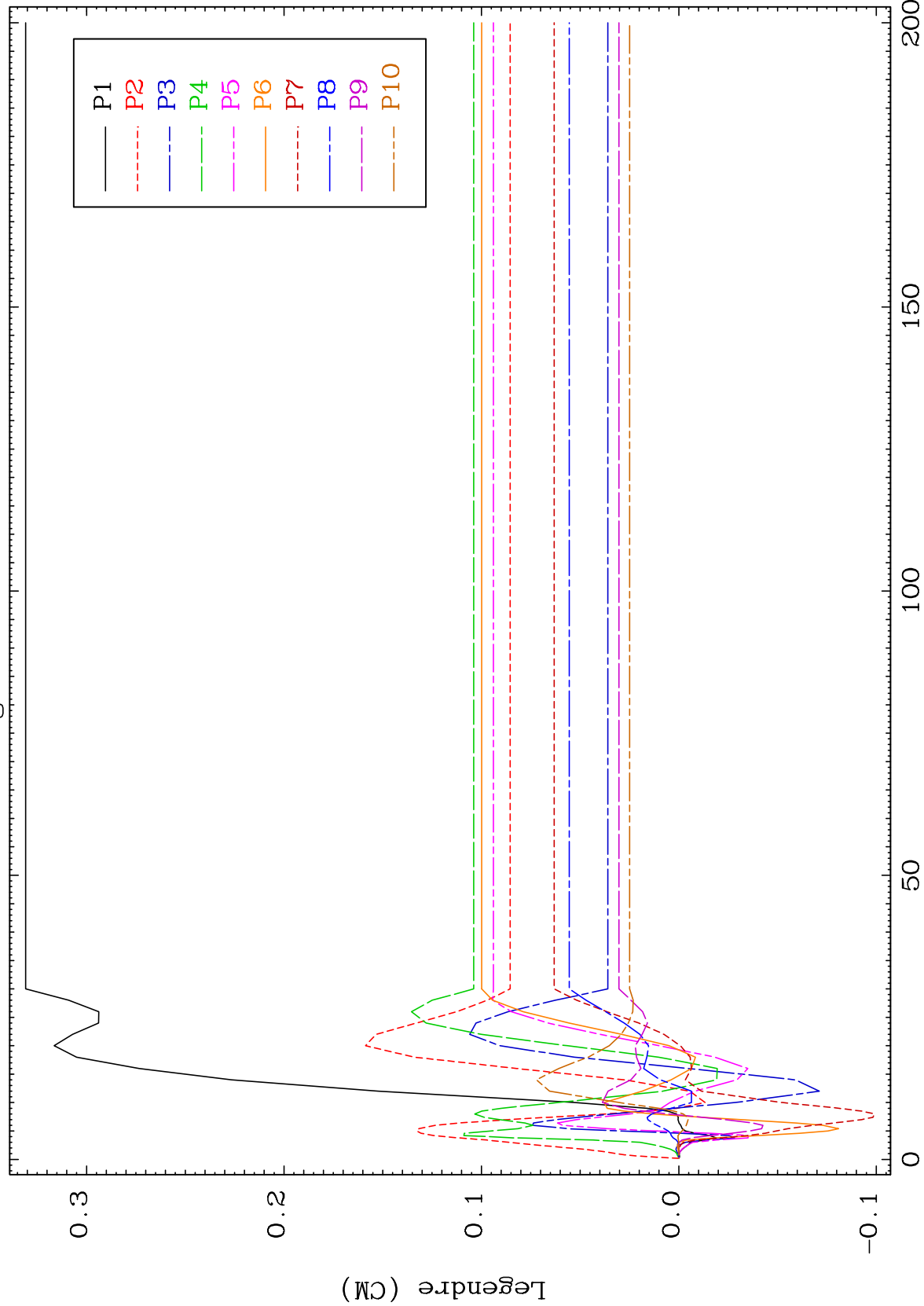
79-Au-192



MAT 7910

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

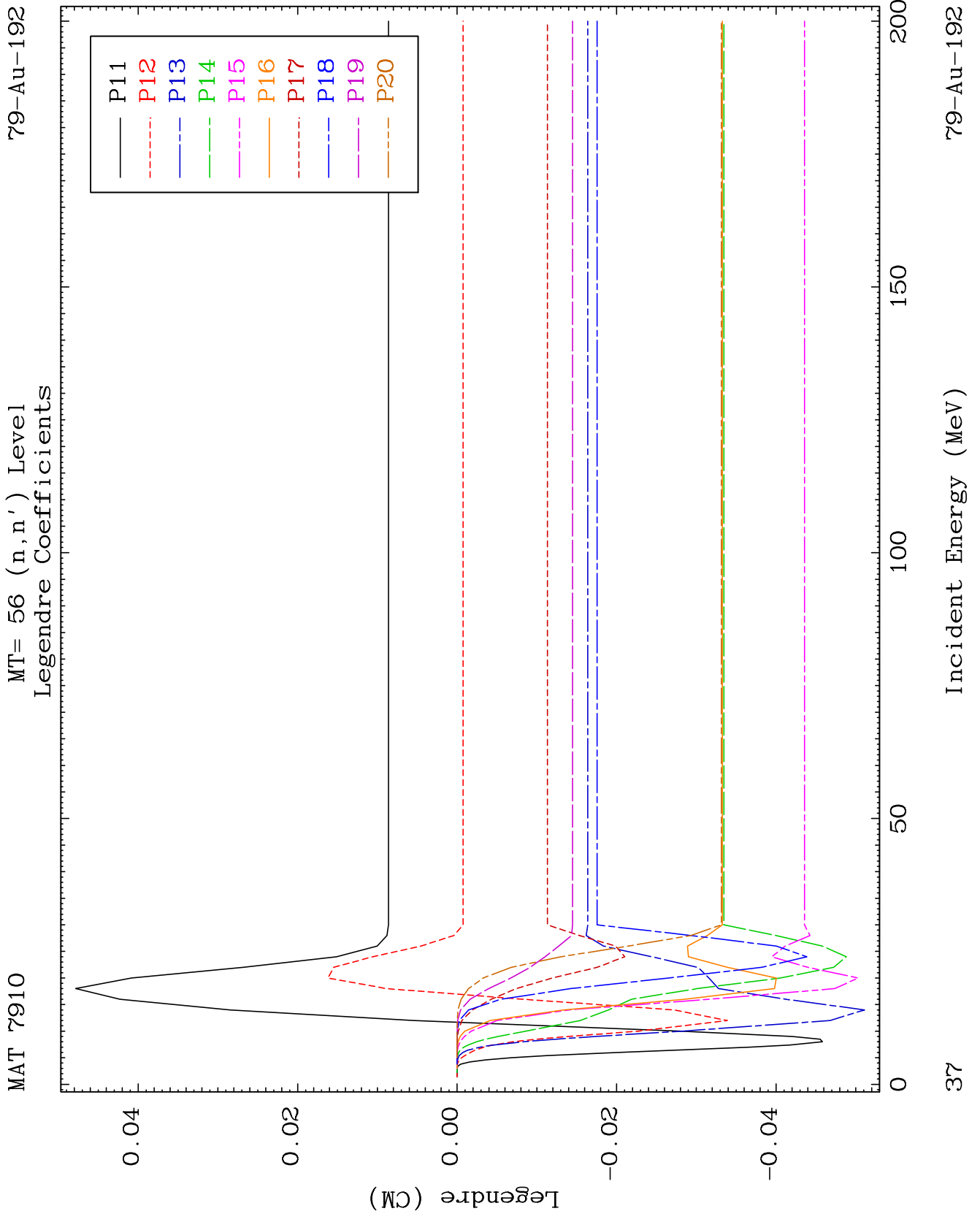
79-Au-192



36

Incident Energy (MeV)

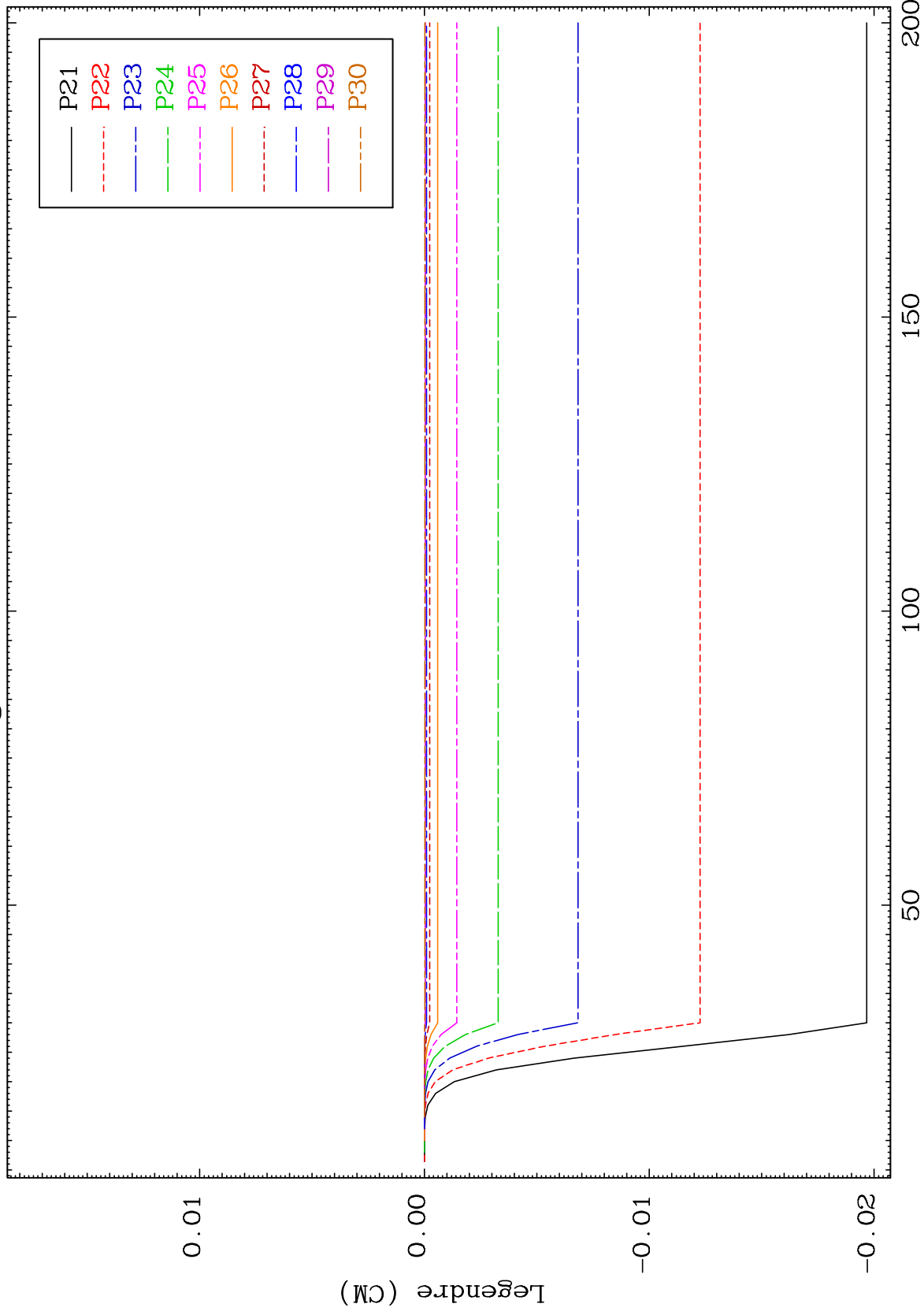
79-Au-192



MAT 7910

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

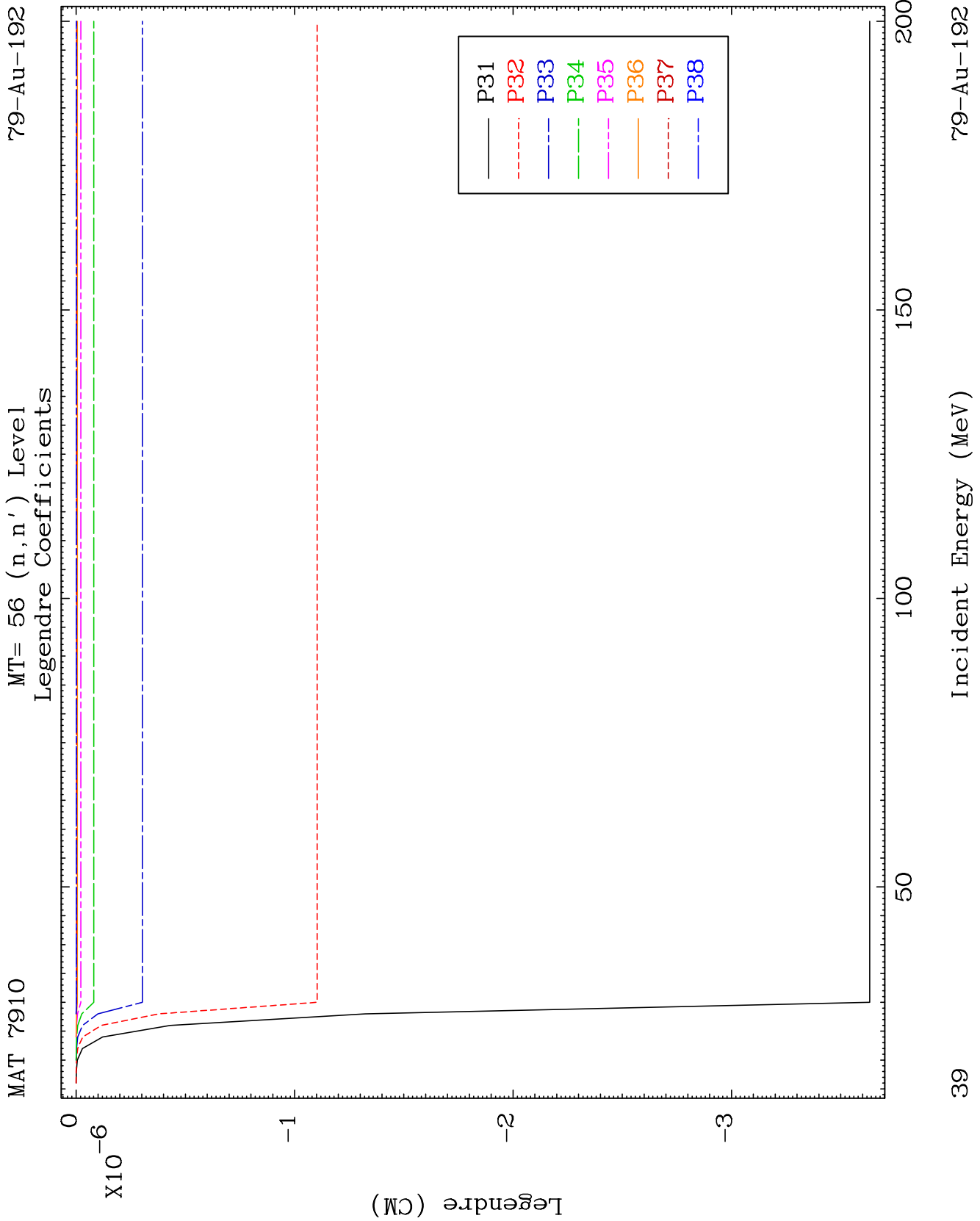
79-Au-192



38

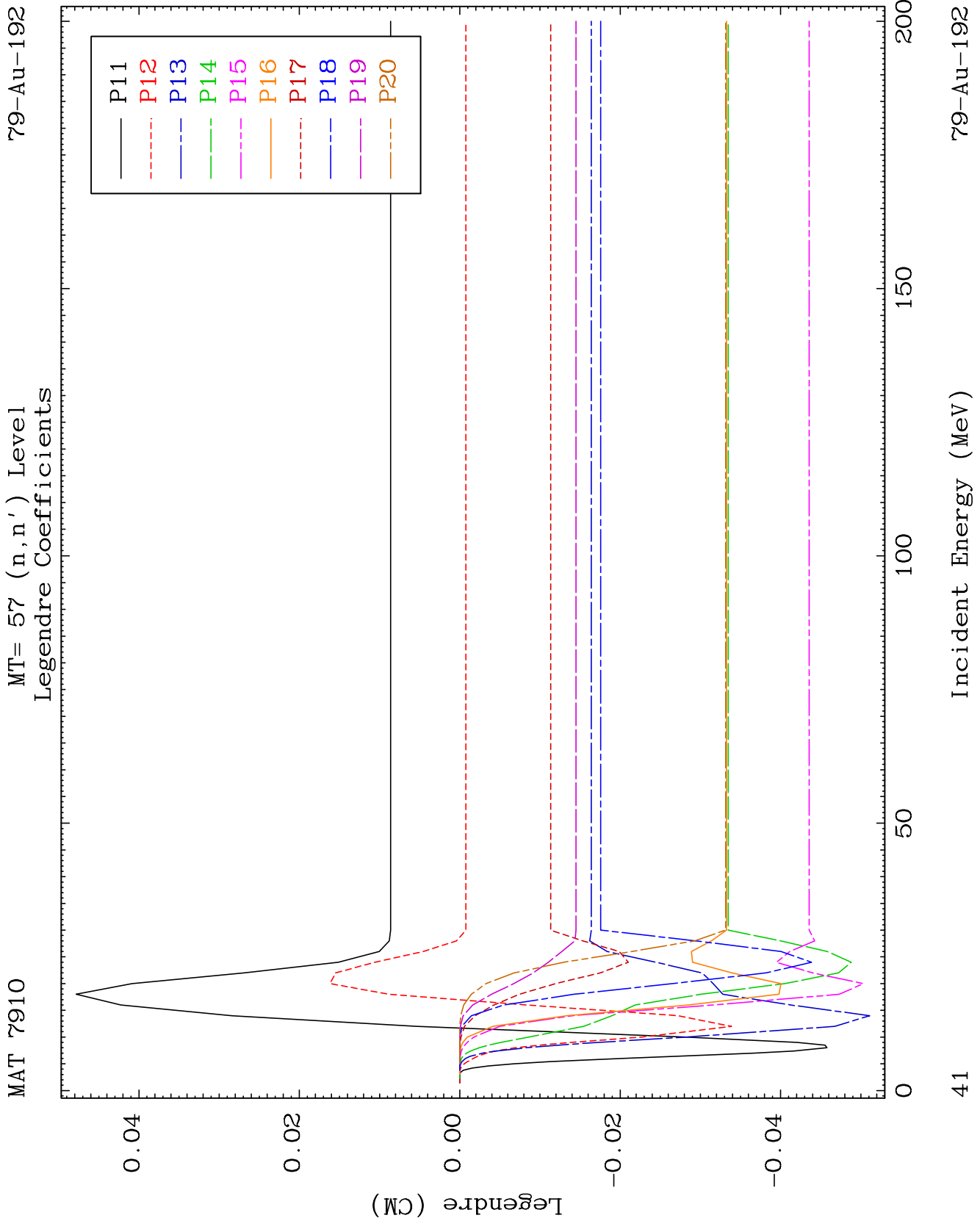
Incident Energy (MeV)

79-Au-192





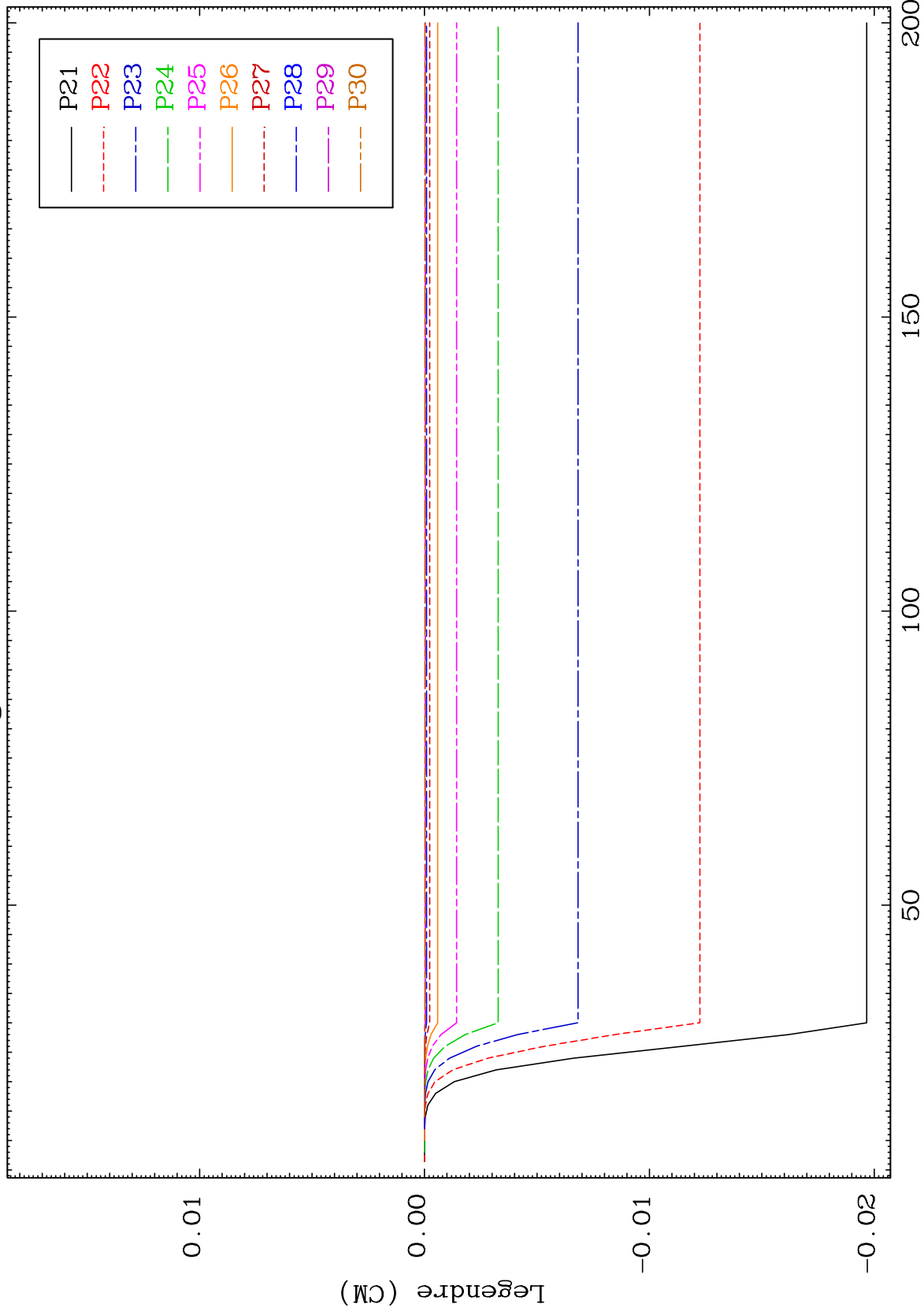




MAT 7910

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

79-Au-192



42

Incident Energy (MeV)

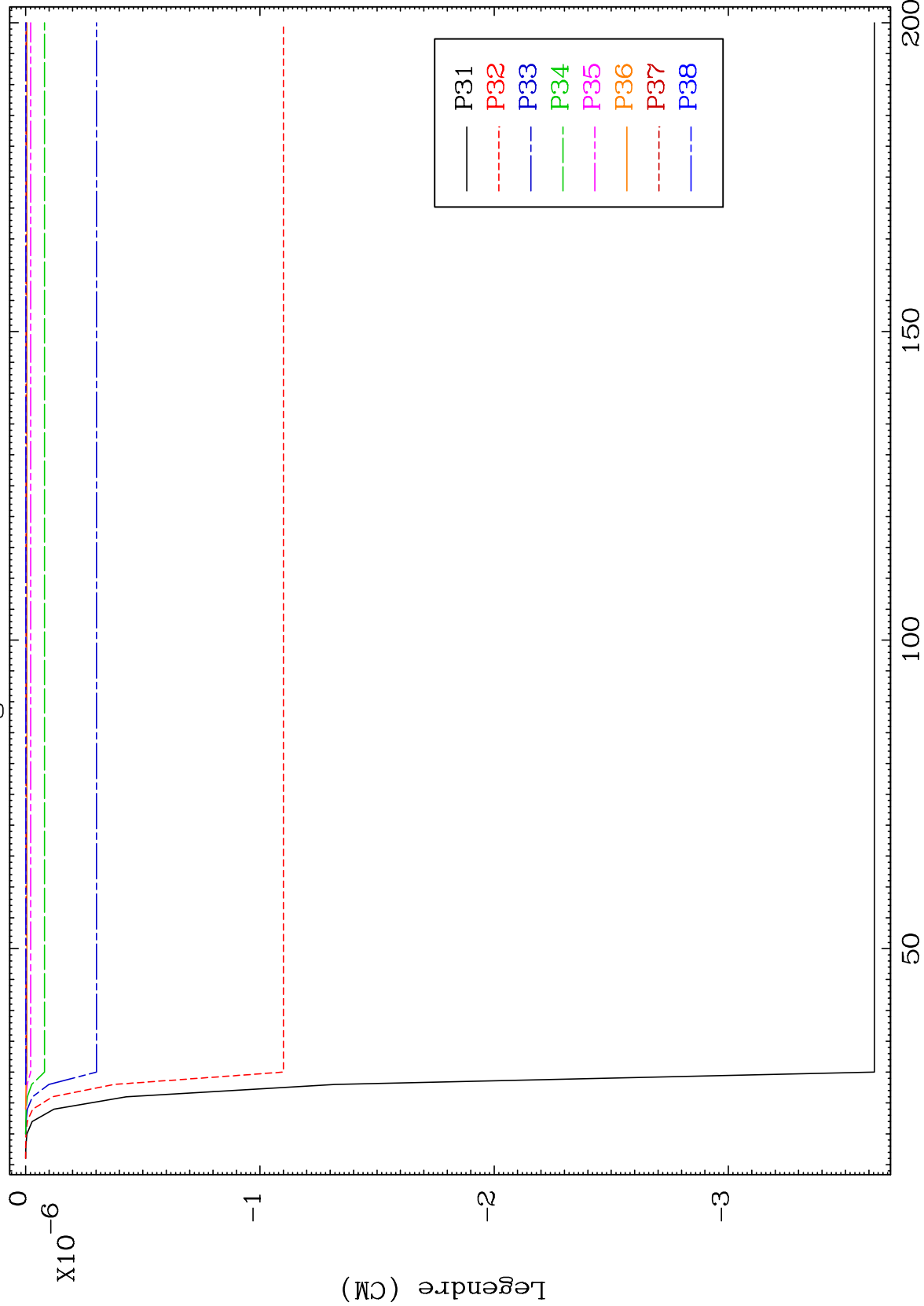
79-Au-192

MAT 7910

MT= 57 (n,n') Level

79-Au-192

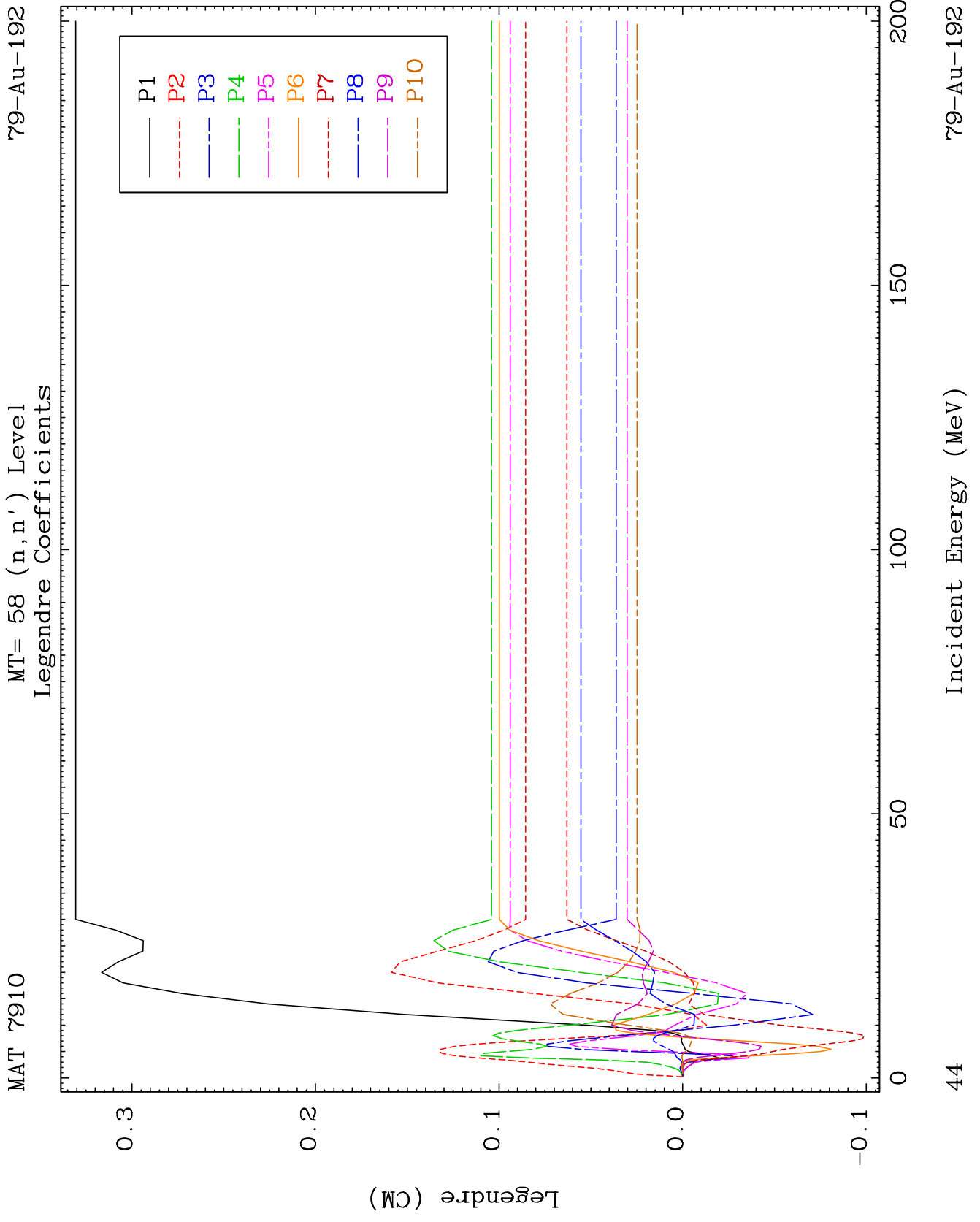
Legendre Coefficients

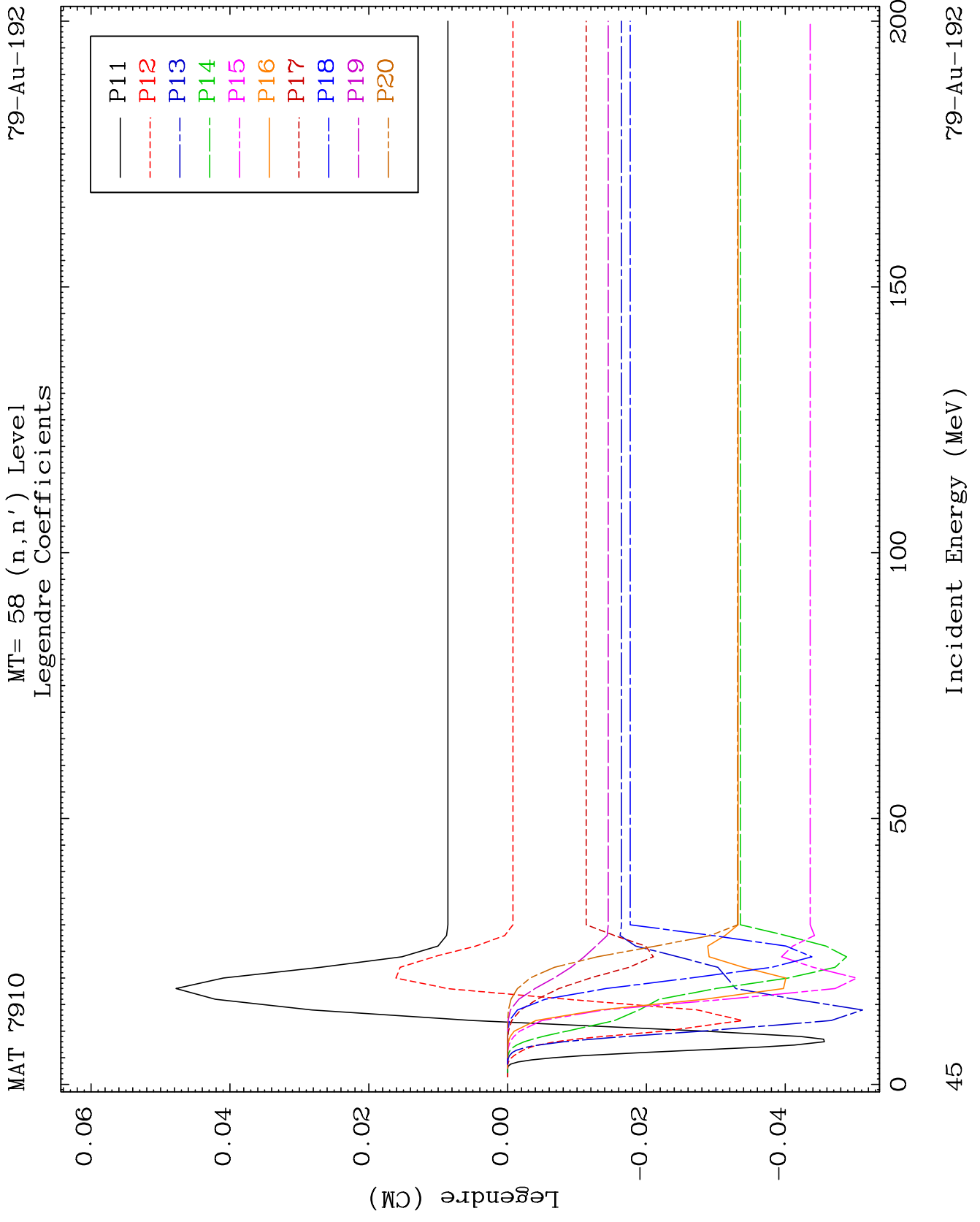


43

Incident Energy (MeV)

79-Au-192

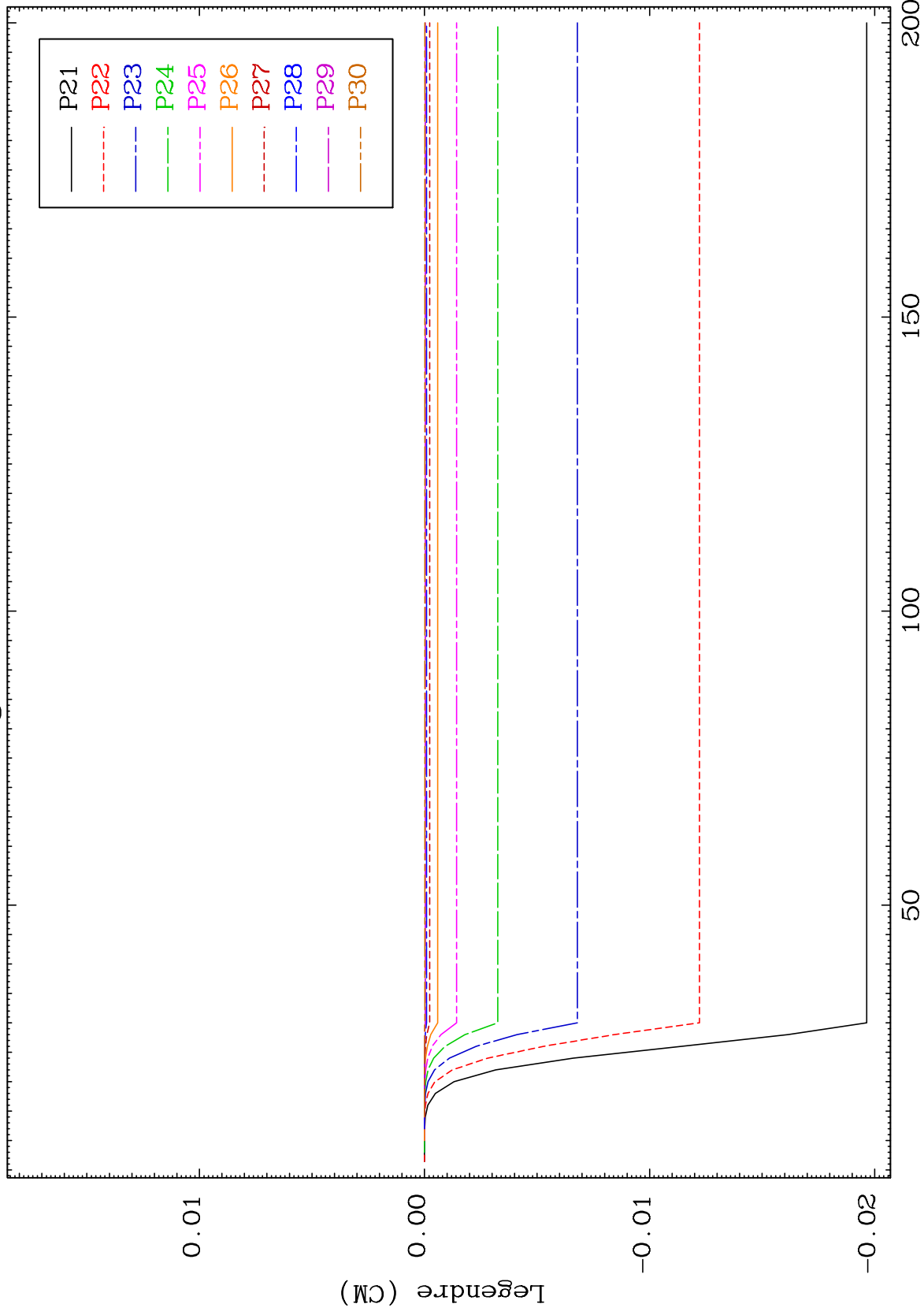




MAT 7910

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

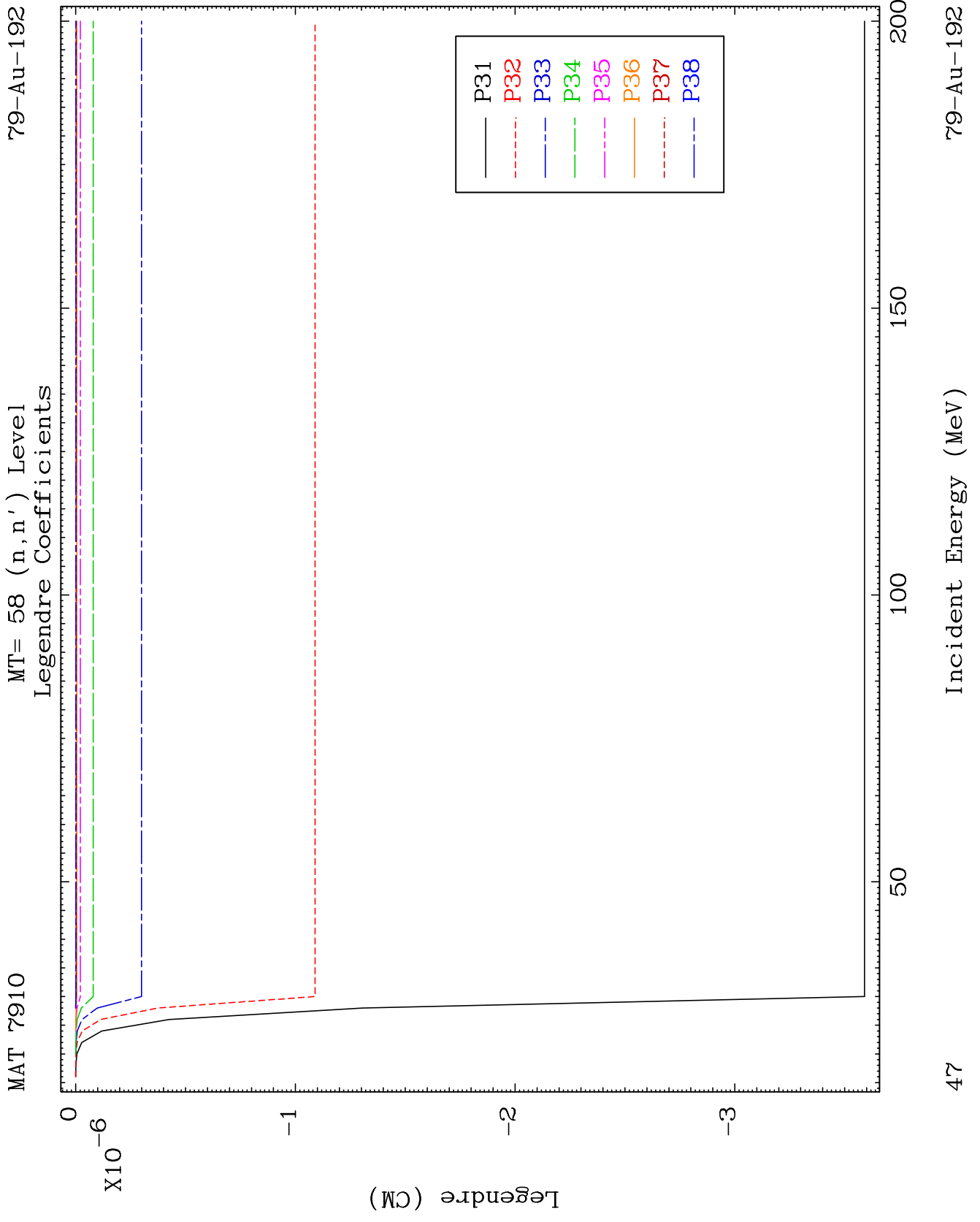
79-Au-192



46

Incident Energy (MeV)

79-Au-192

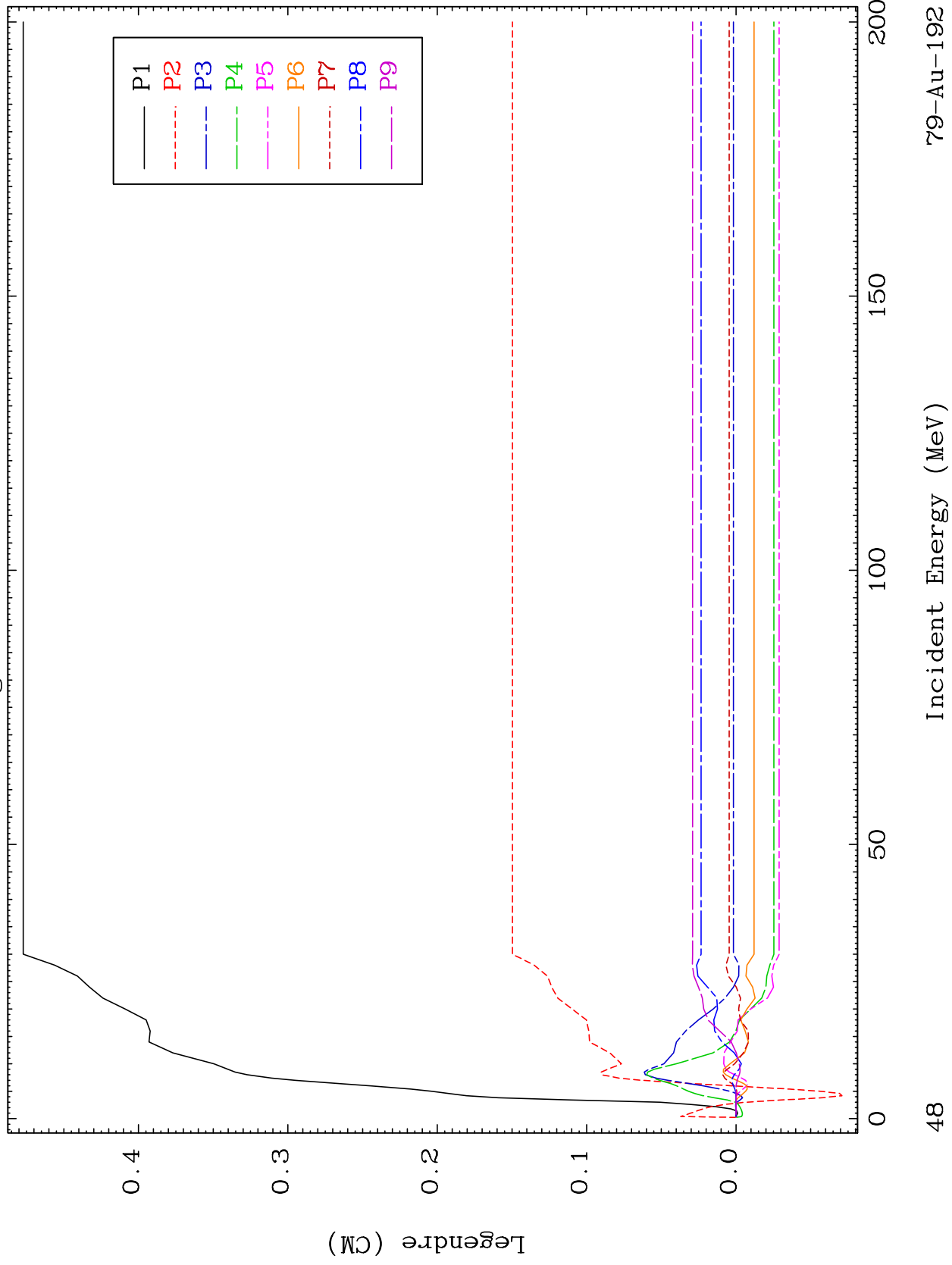




MAT 7910

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

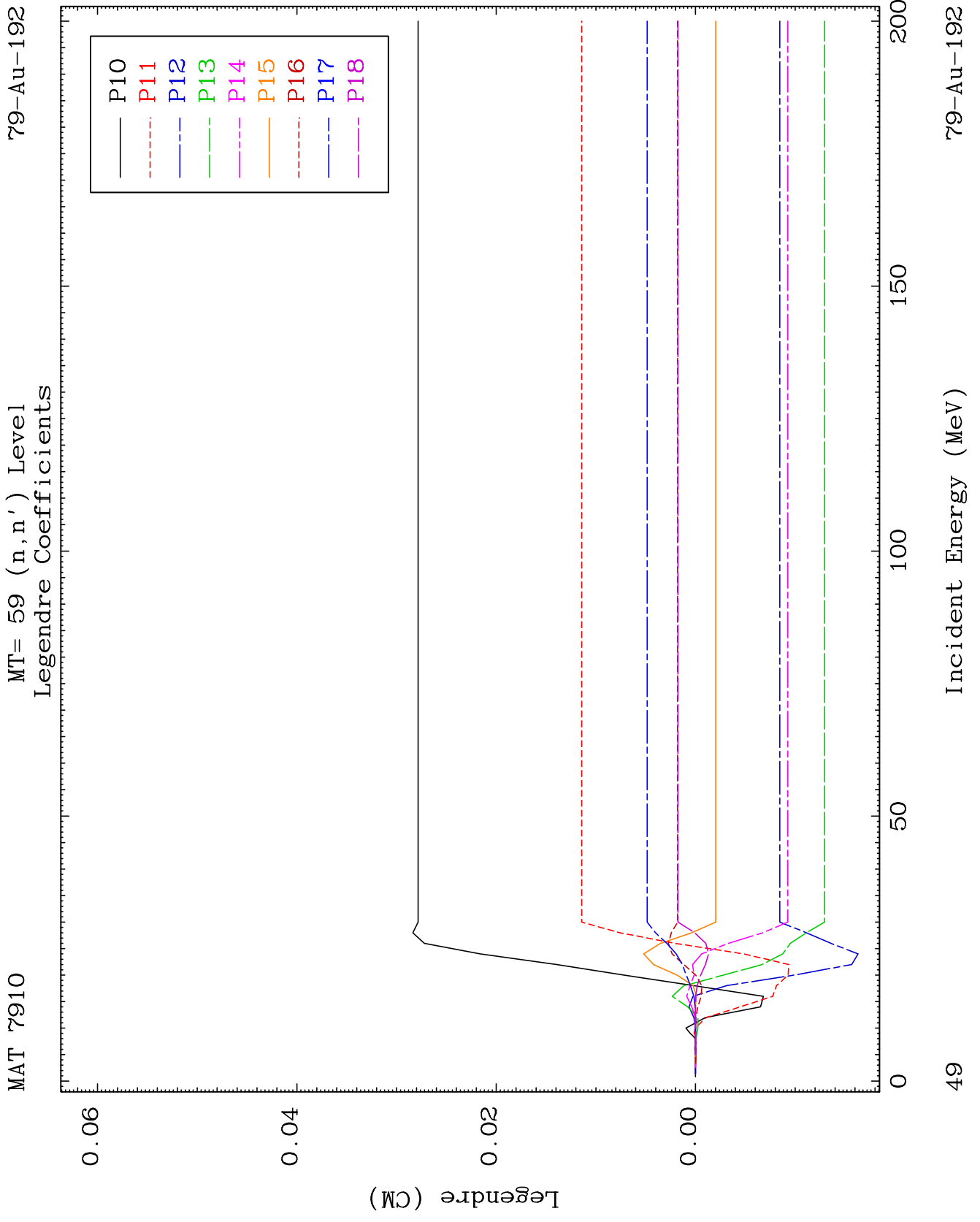
79-Au-192



79-Au-192

Incident Energy (MeV)

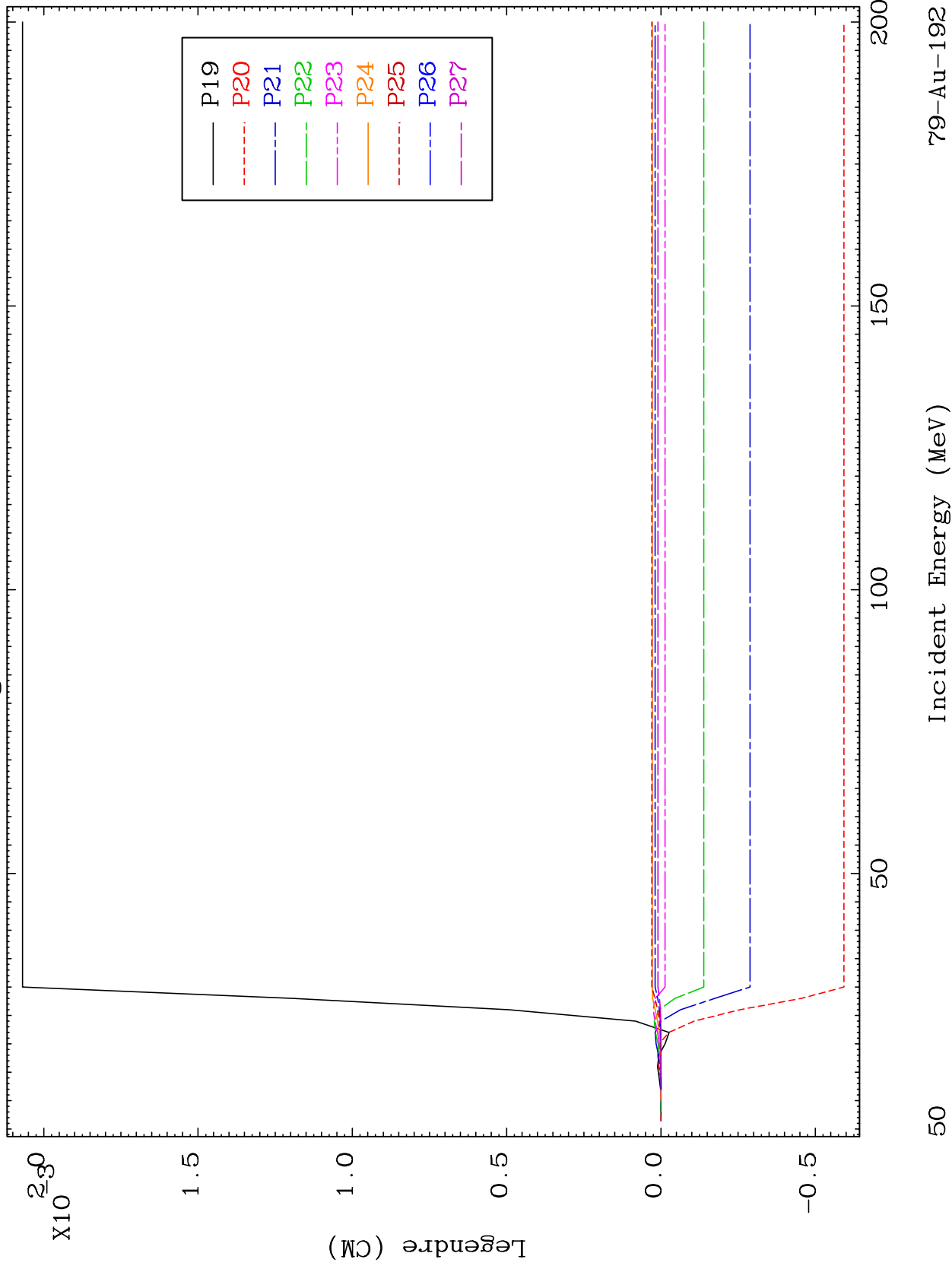
48



MAT 7910

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

79-Au-192



50

Incident Energy (MeV)

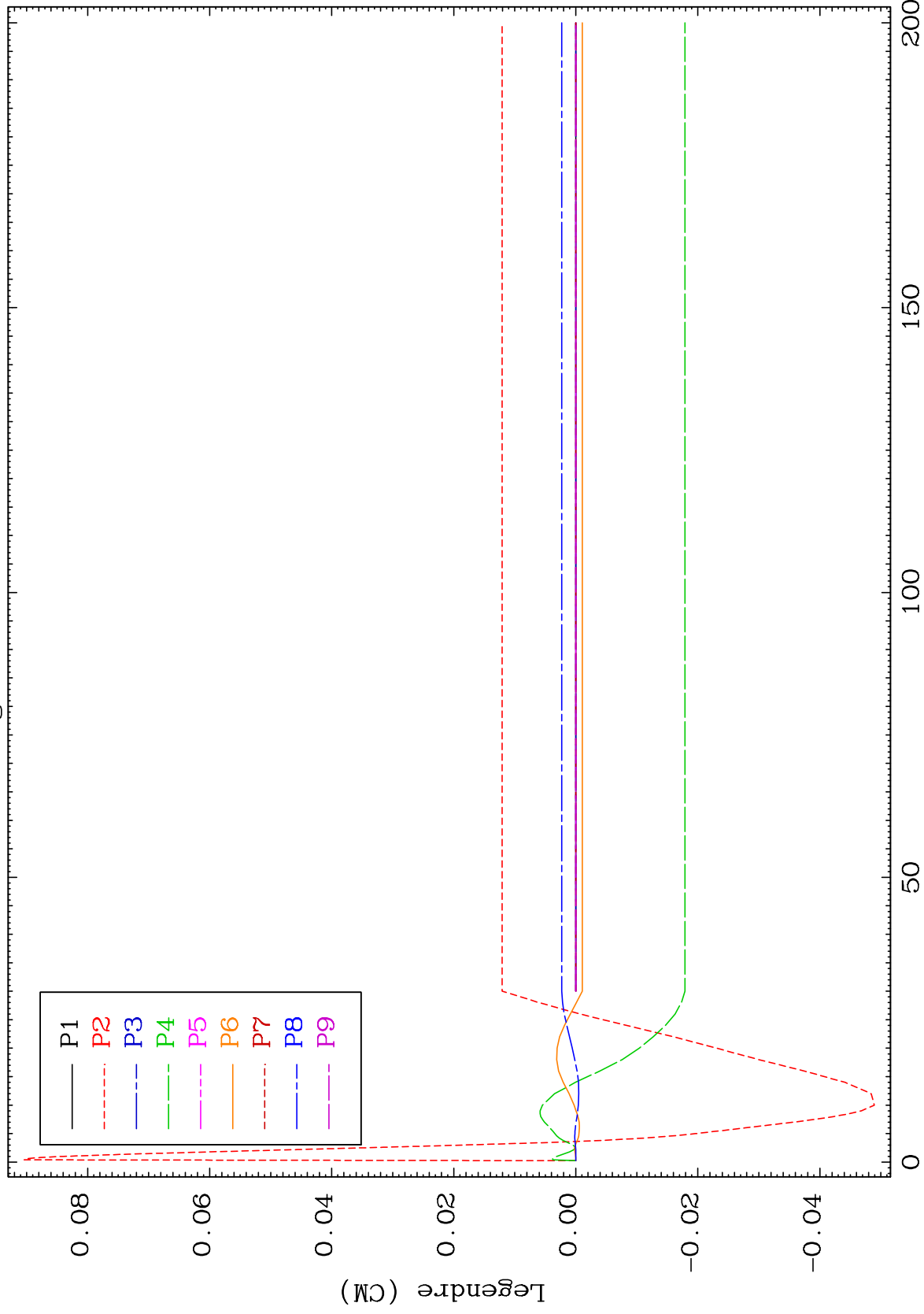
79-Au-192



MAT 7910

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

79-Au-192



52

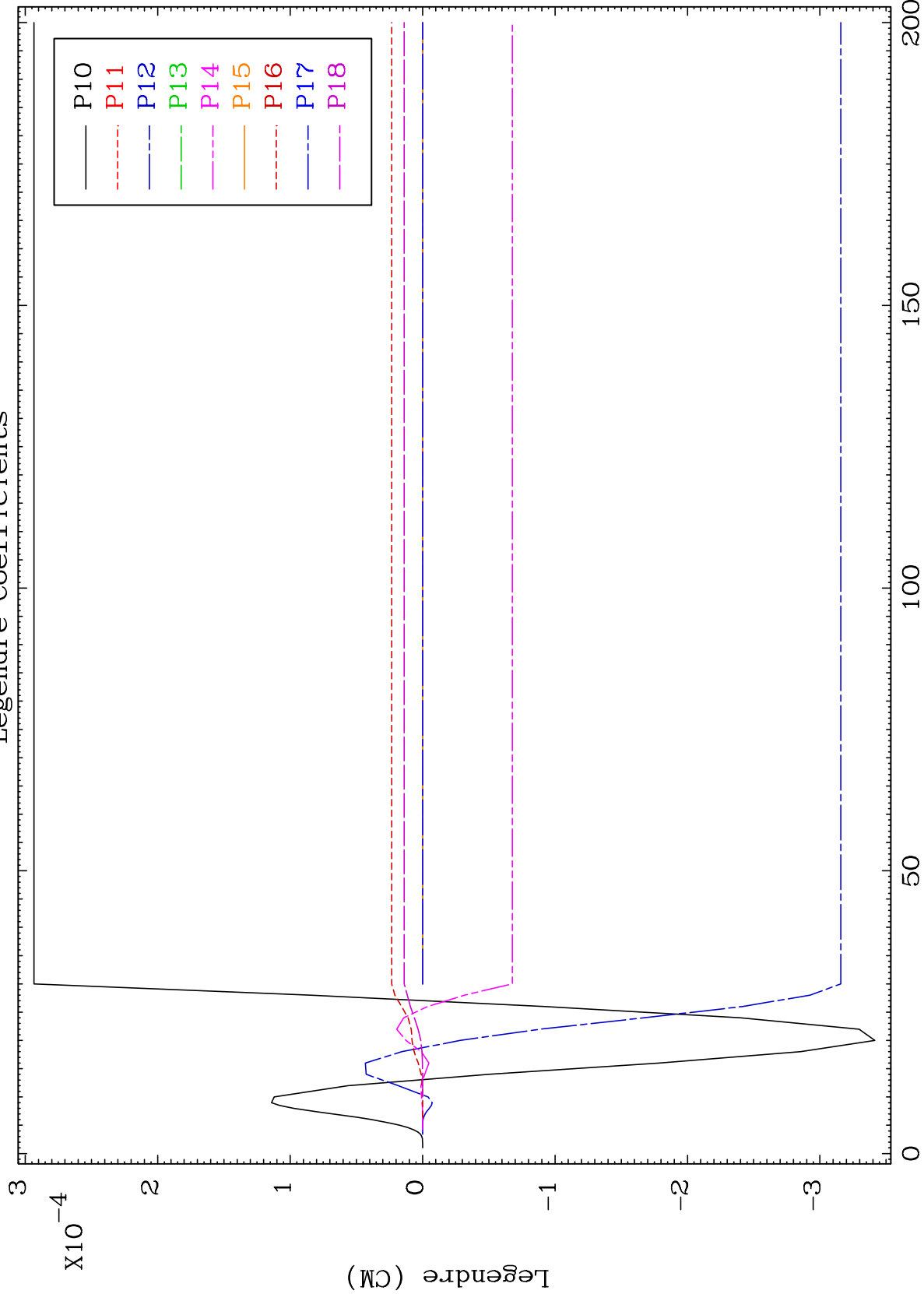
Incident Energy (MeV)

79-Au-192

MAT 7910

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

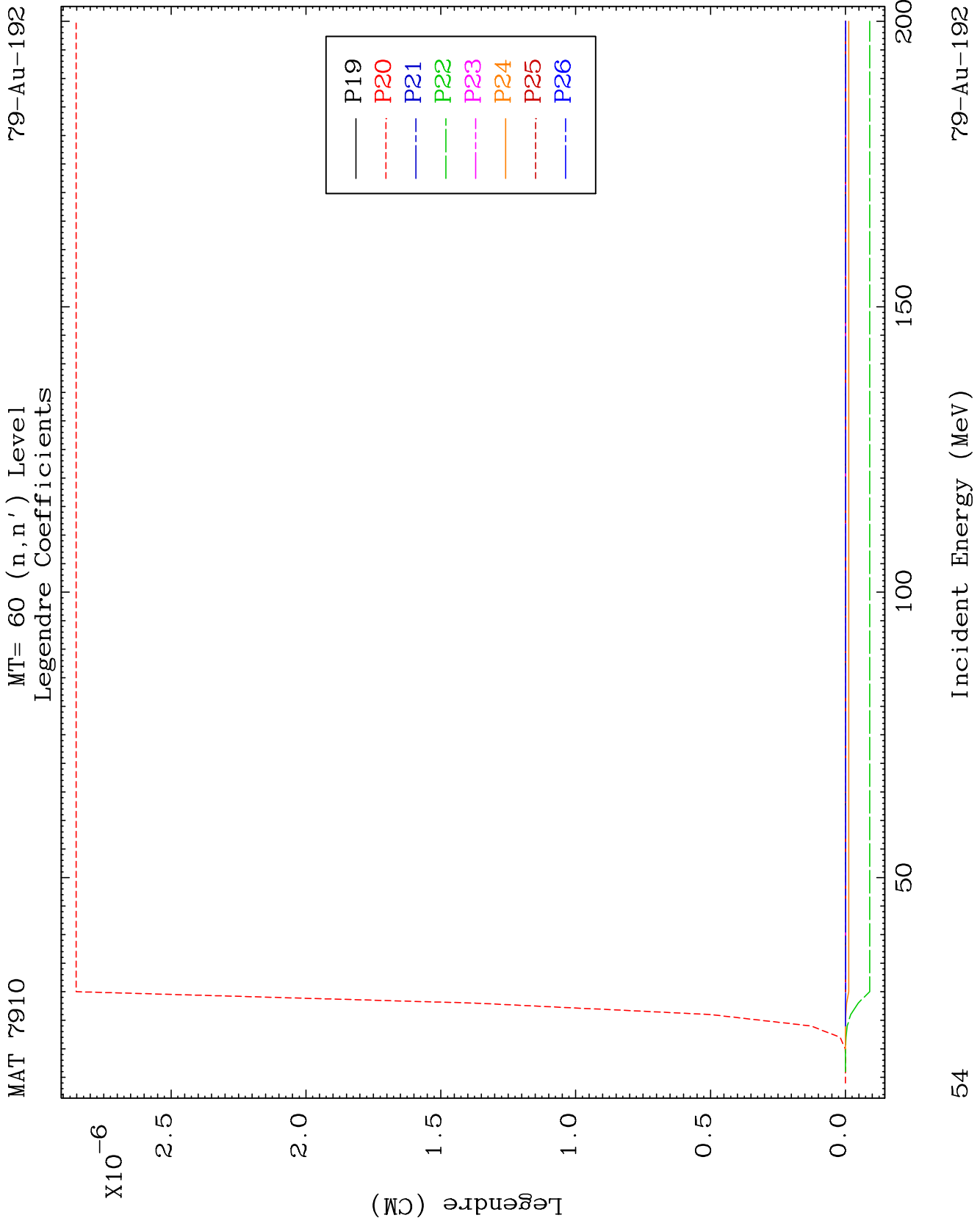
79-Au-192

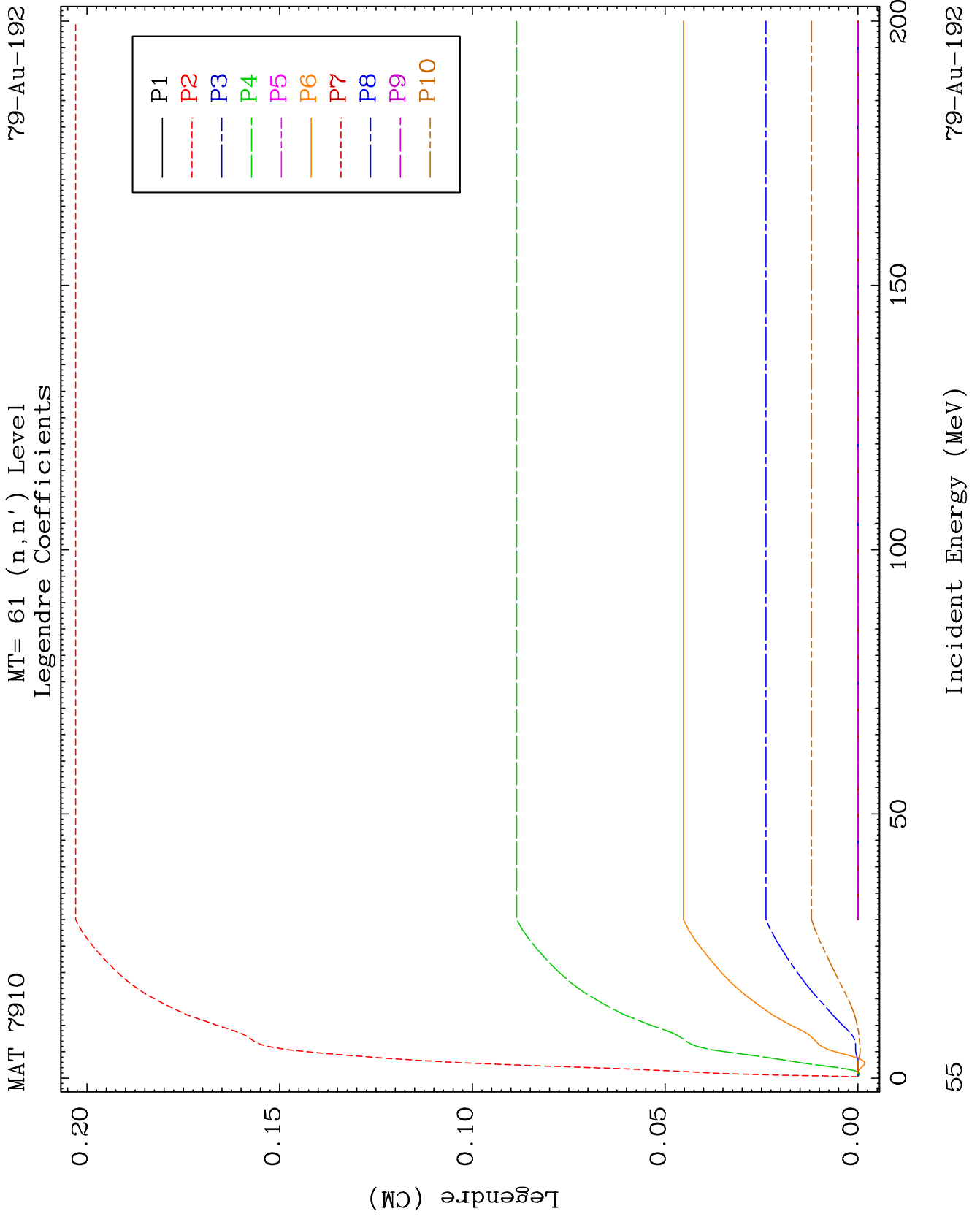


53

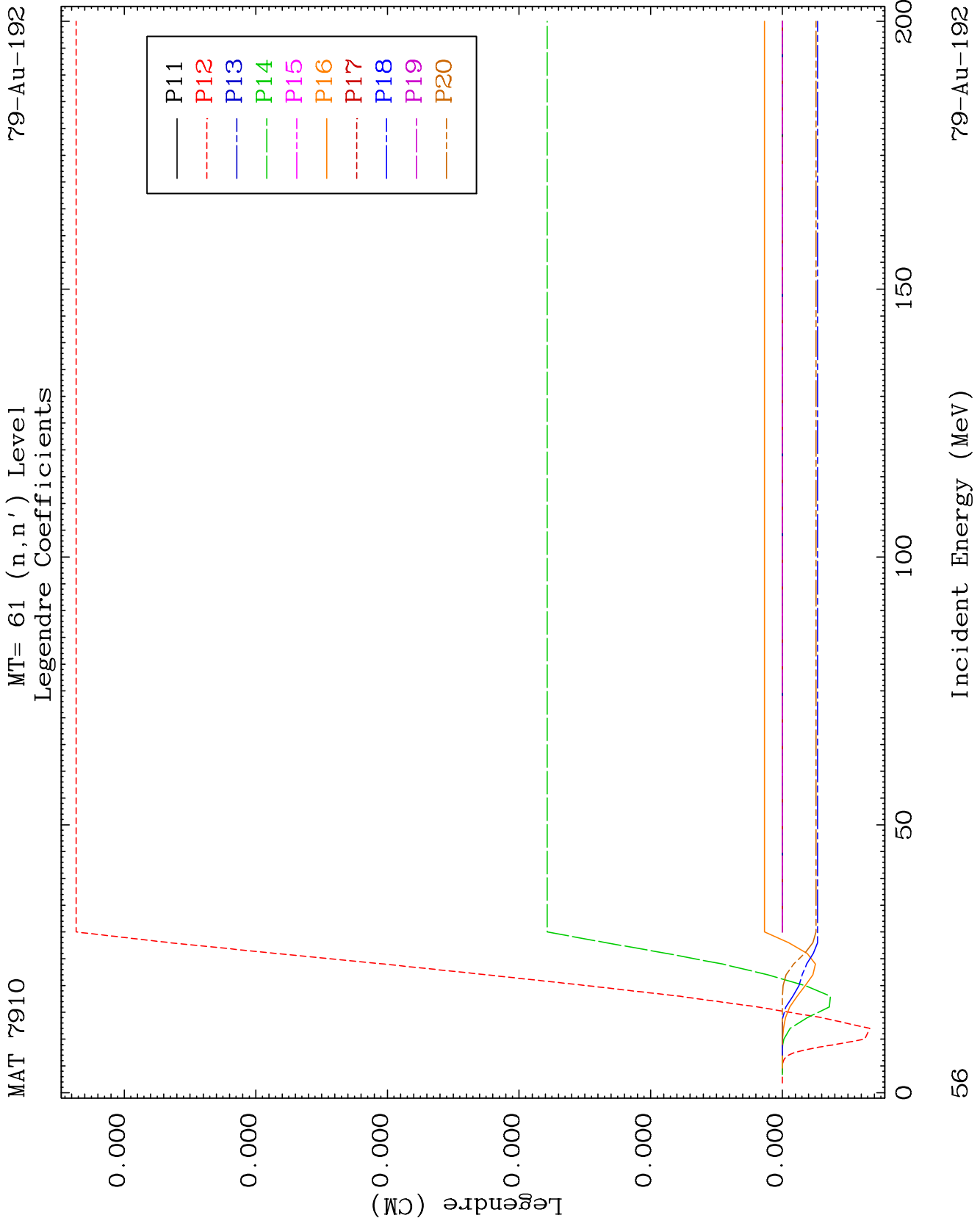
Incident Energy (MeV)

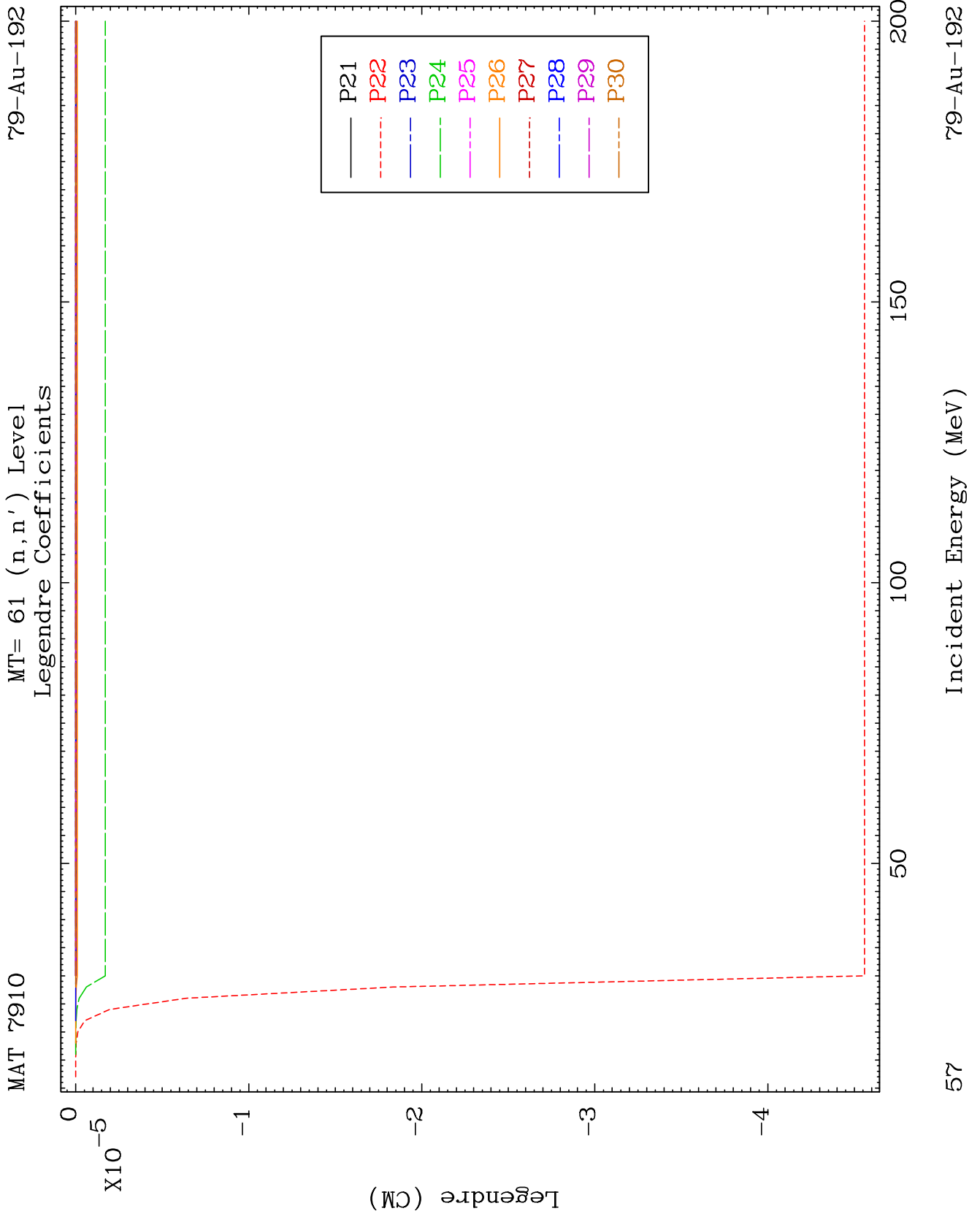
79-Au-192









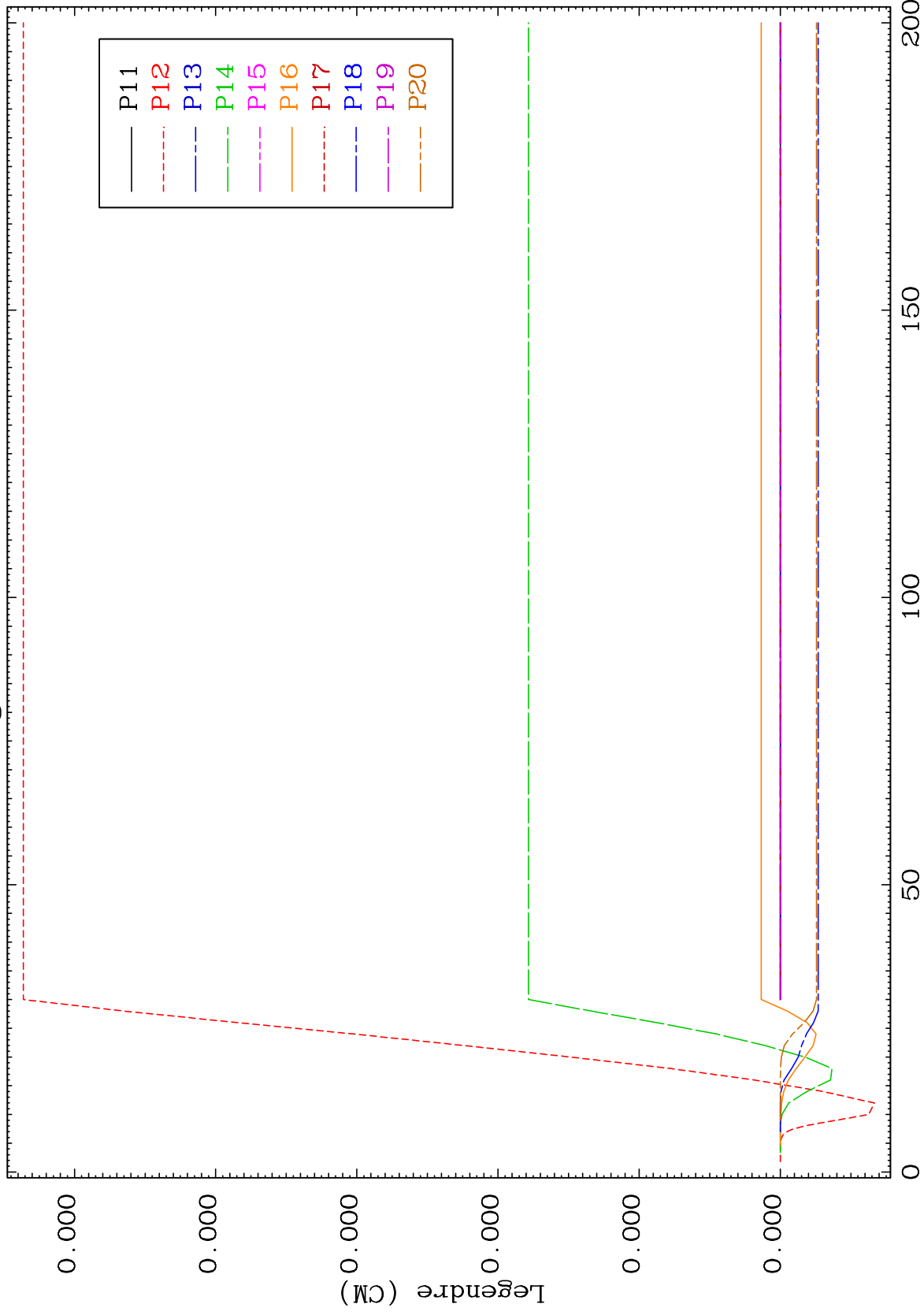




MAT 7910

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

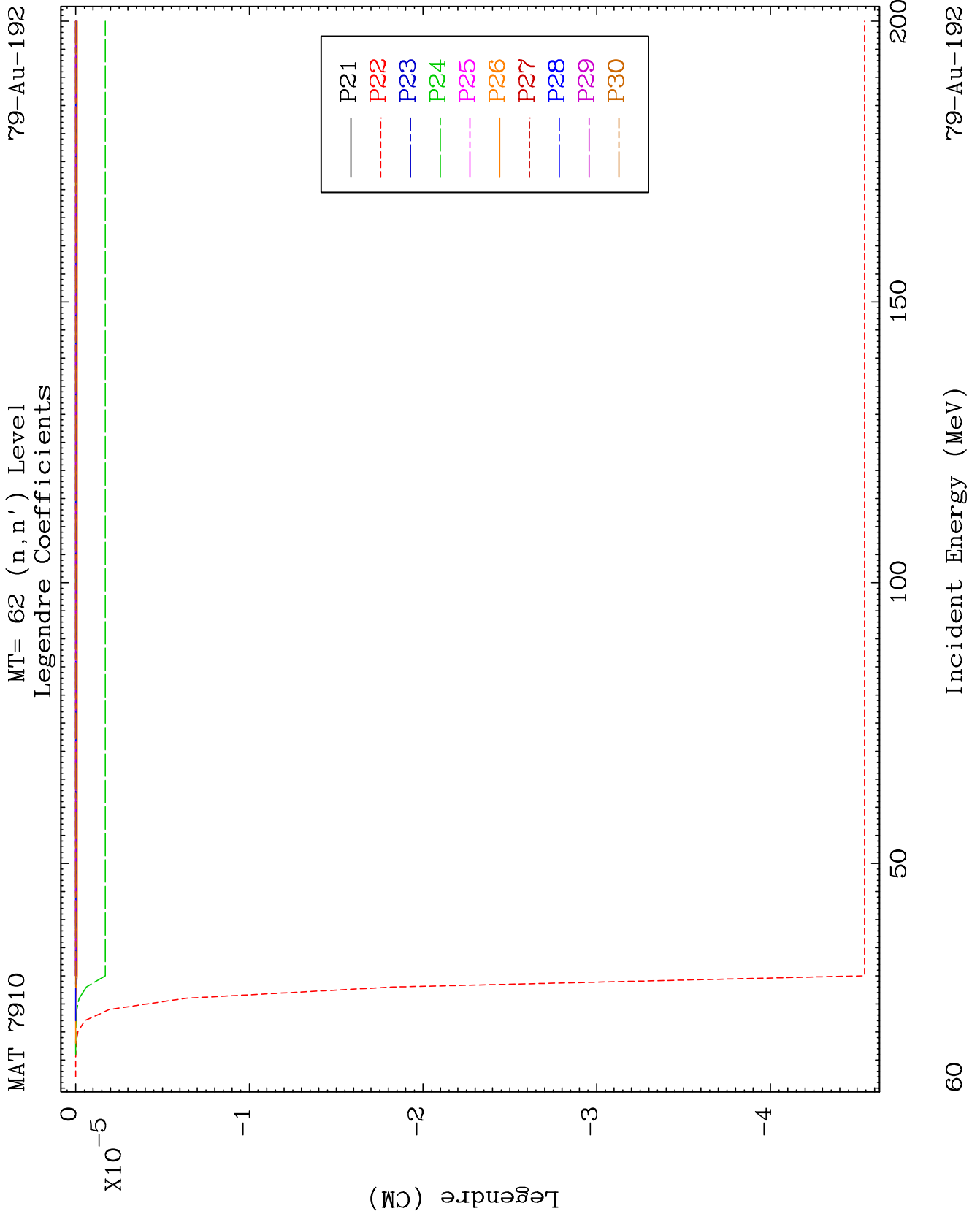
79-Au-192

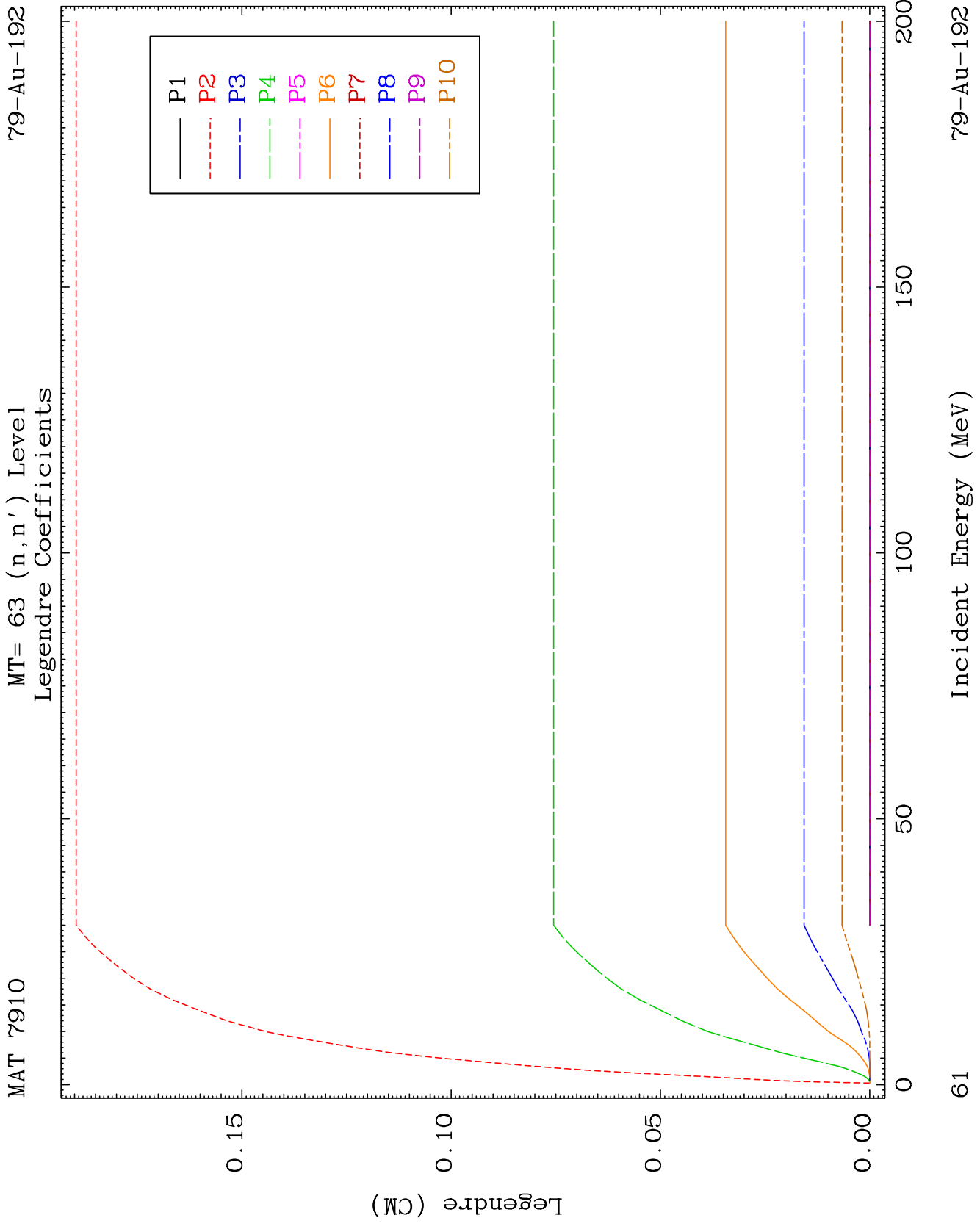


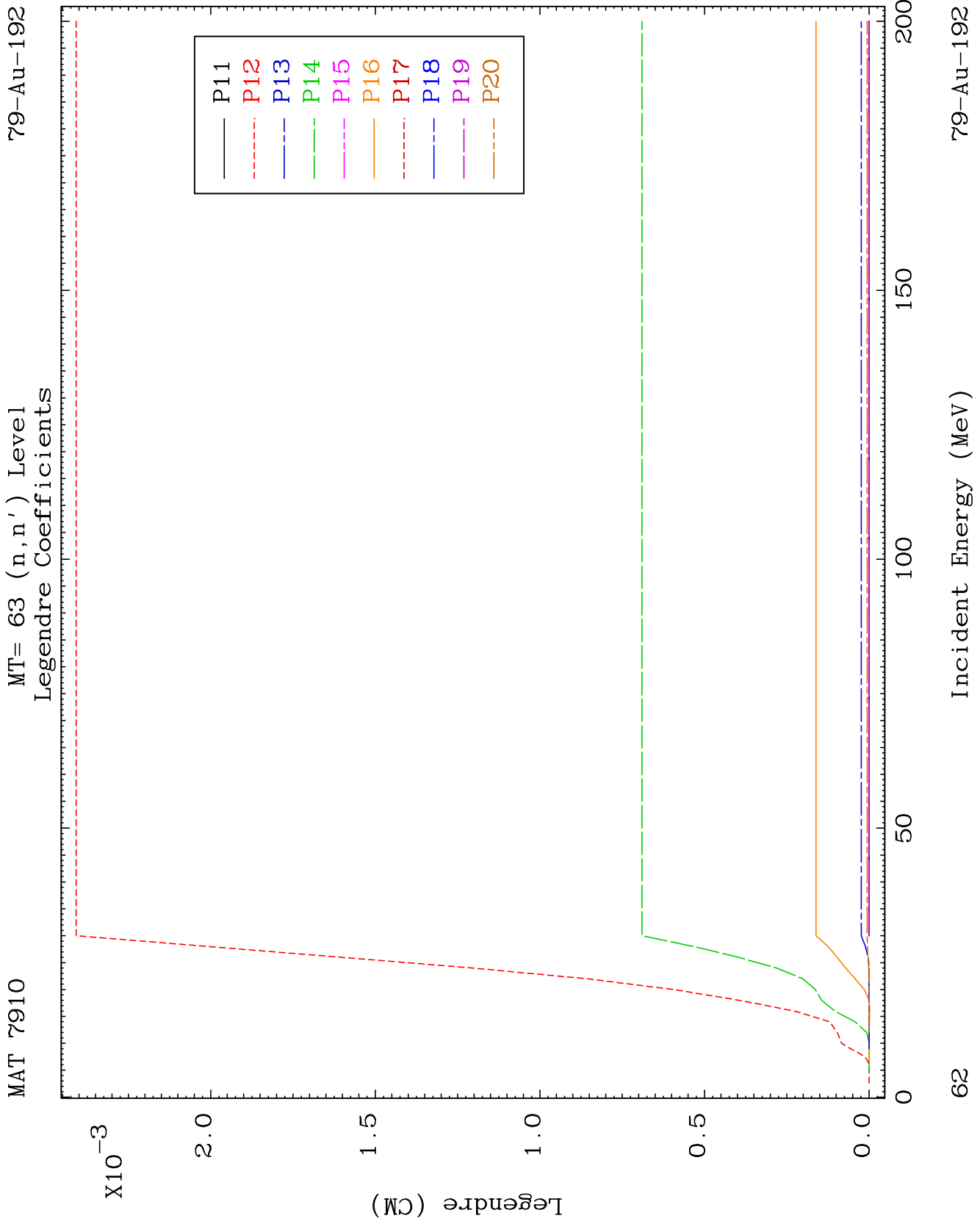
59

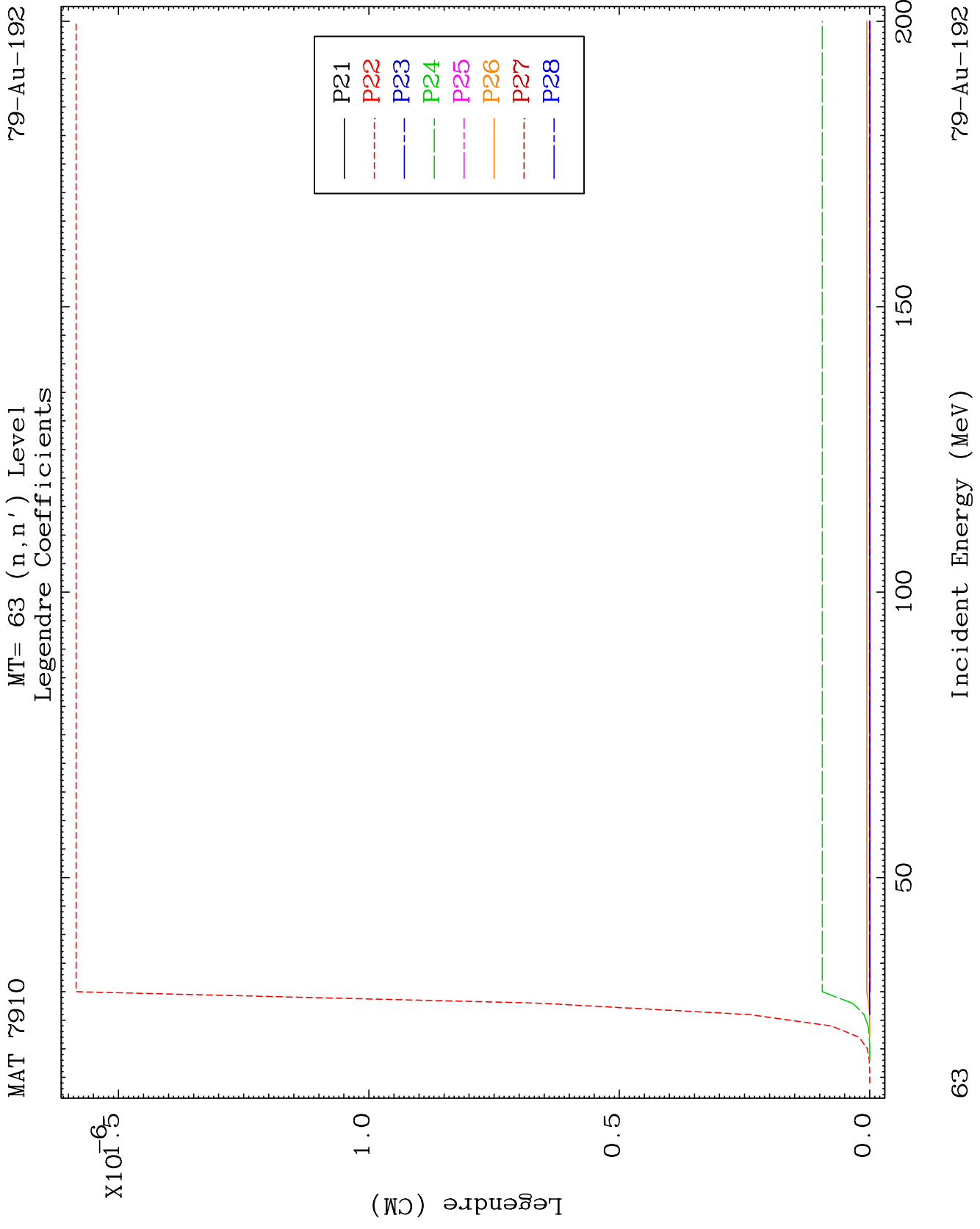
Incident Energy (MeV)

79-Au-192







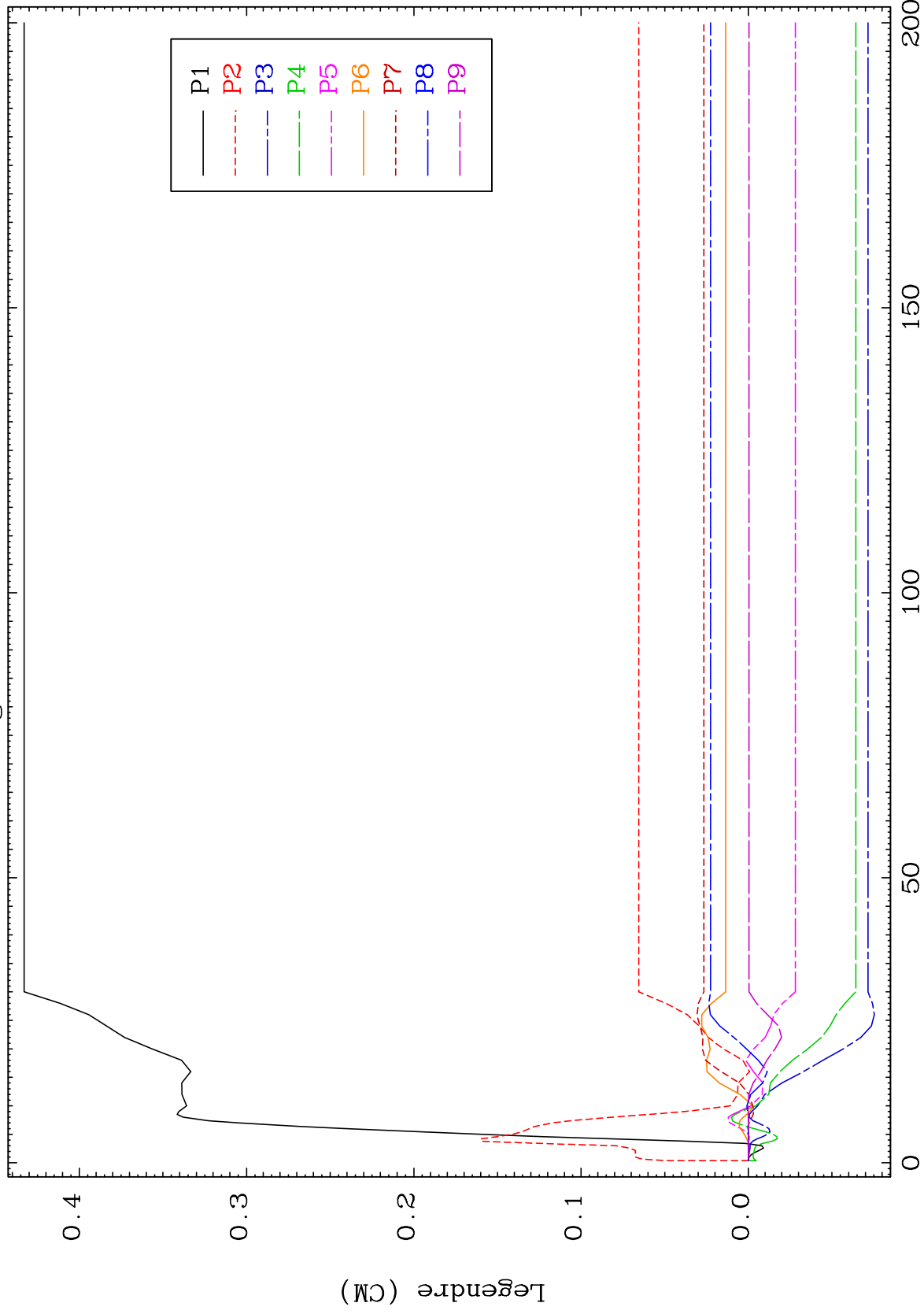




MAT 7910

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

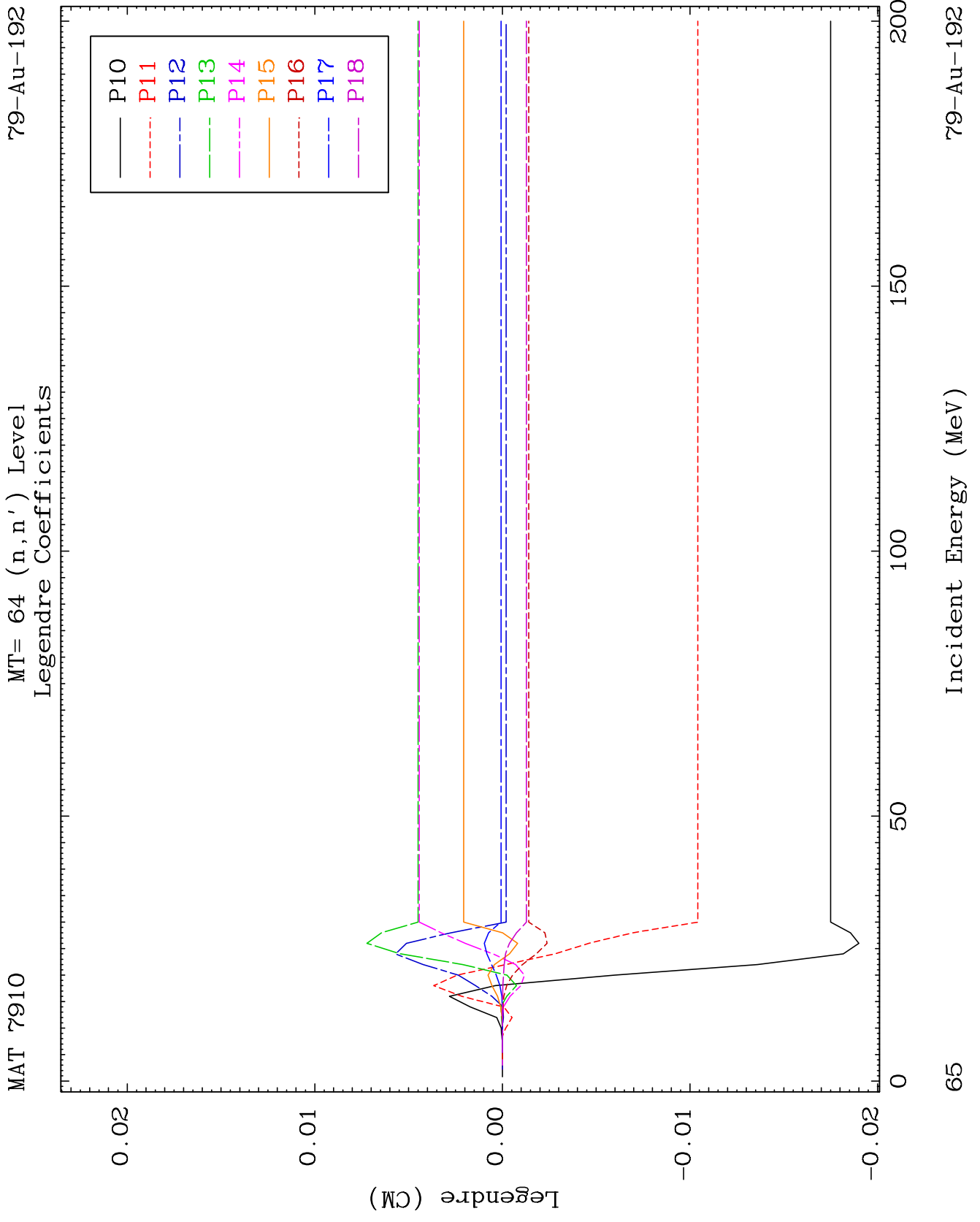
79-Au-192



64

Incident Energy (MeV)

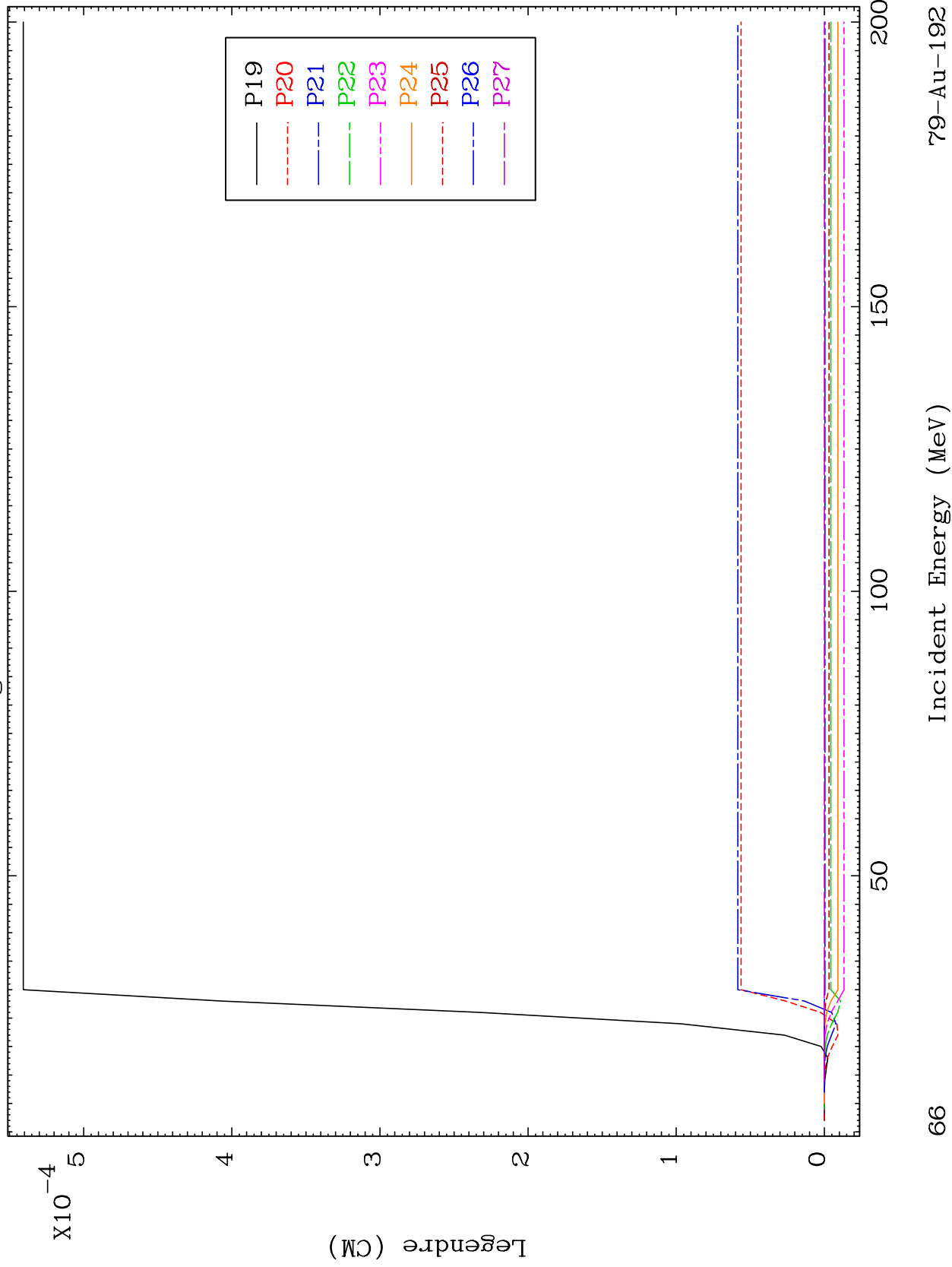
79-Au-192



MAT 7910

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

79-Au-192



66

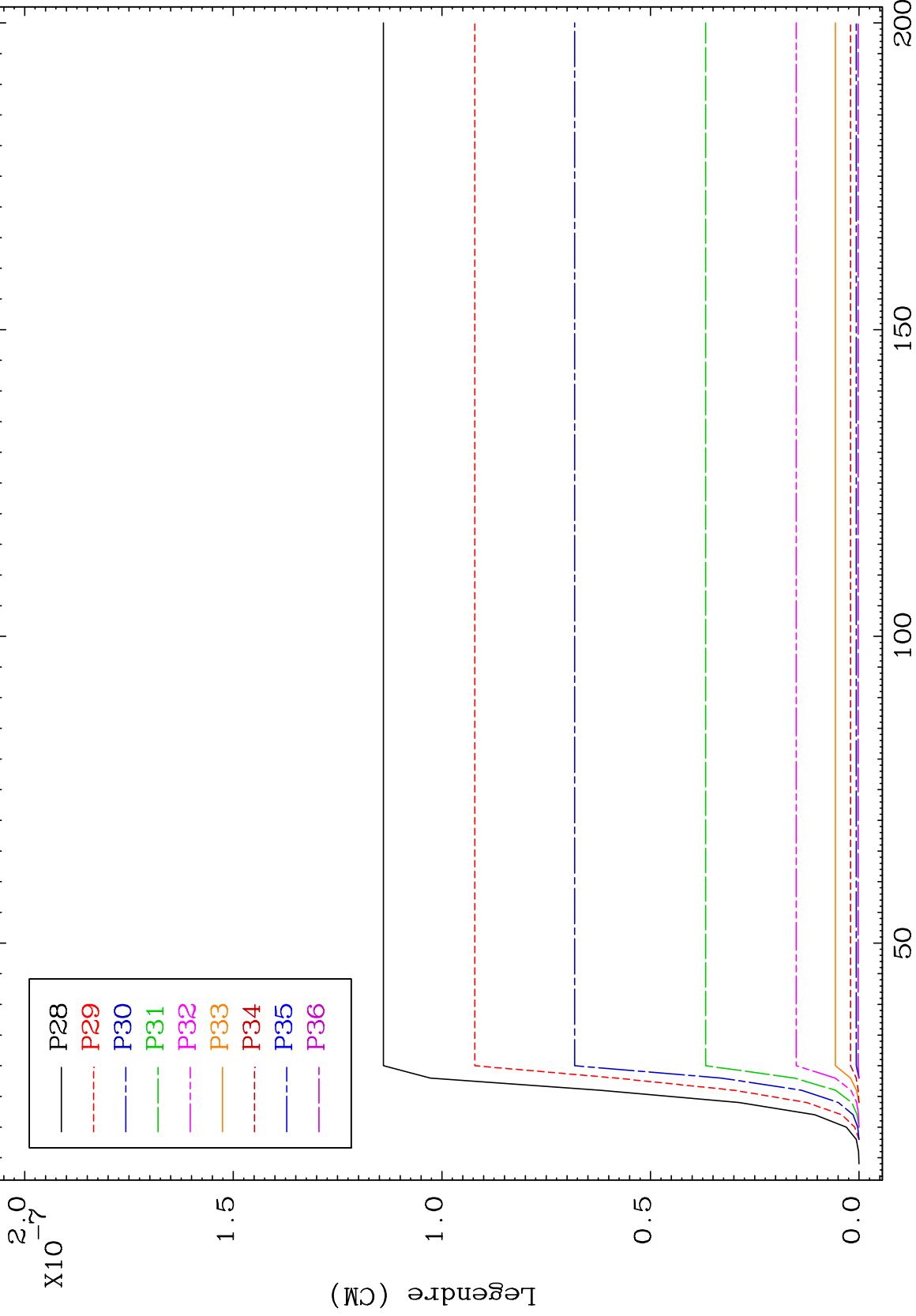
Incident Energy (MeV)

79-Au-192

MAT 7910

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

79-Au-192



67

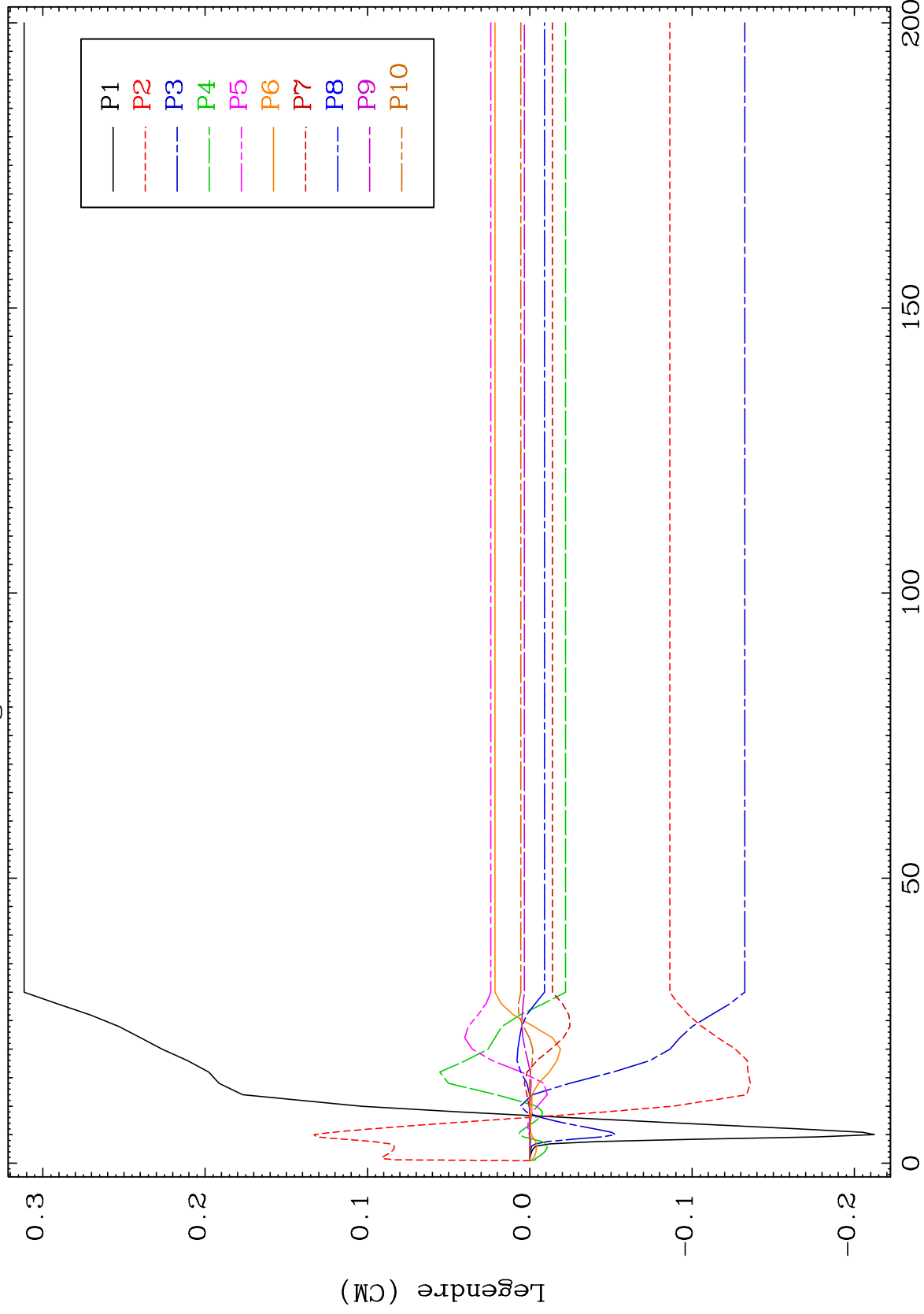
Incident Energy (MeV)

79-Au-192

MAT 7910

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

79-Au-192



68

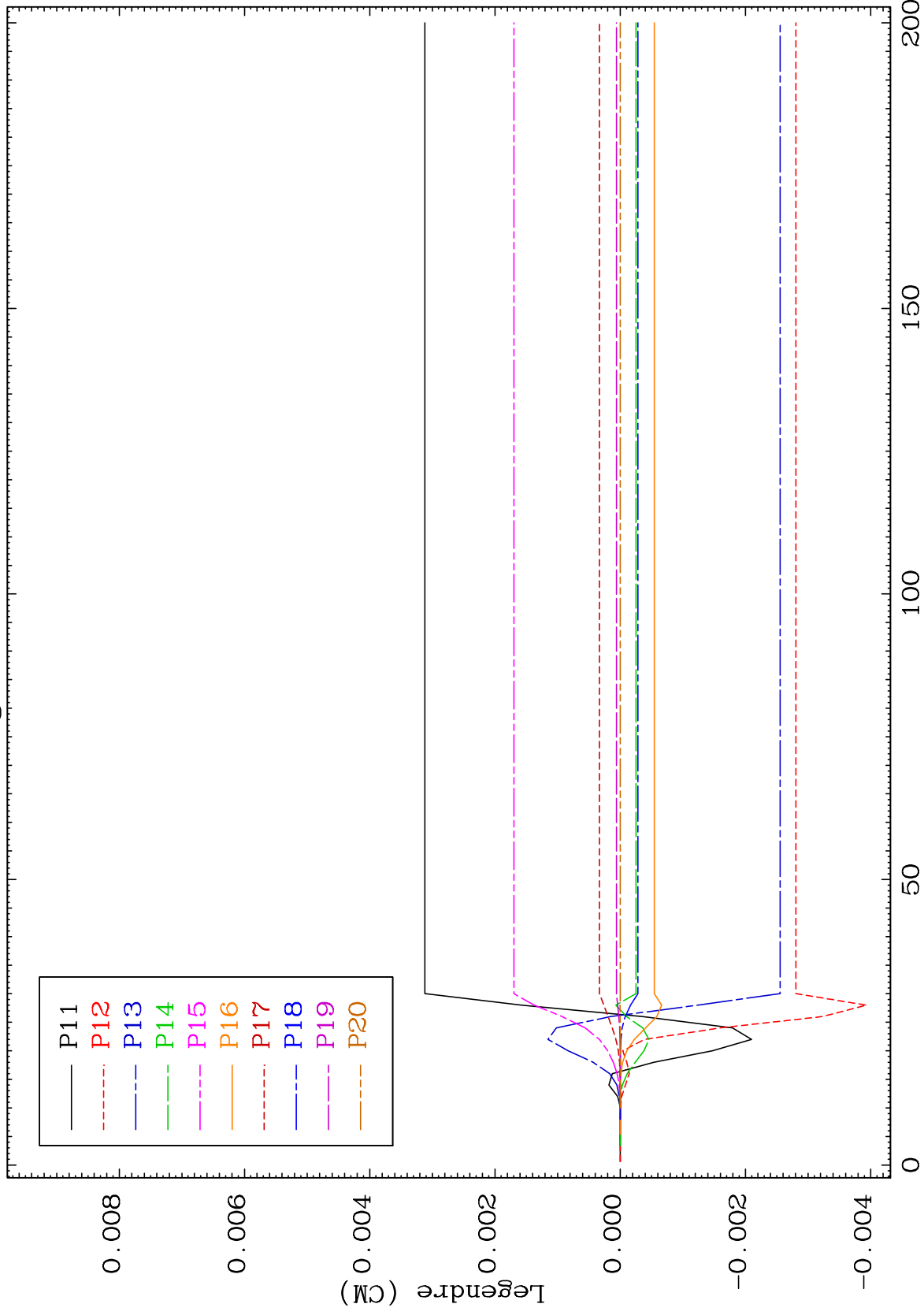
Incident Energy (MeV)

79-Au-192

MAT 7910

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

79-Au-192



69

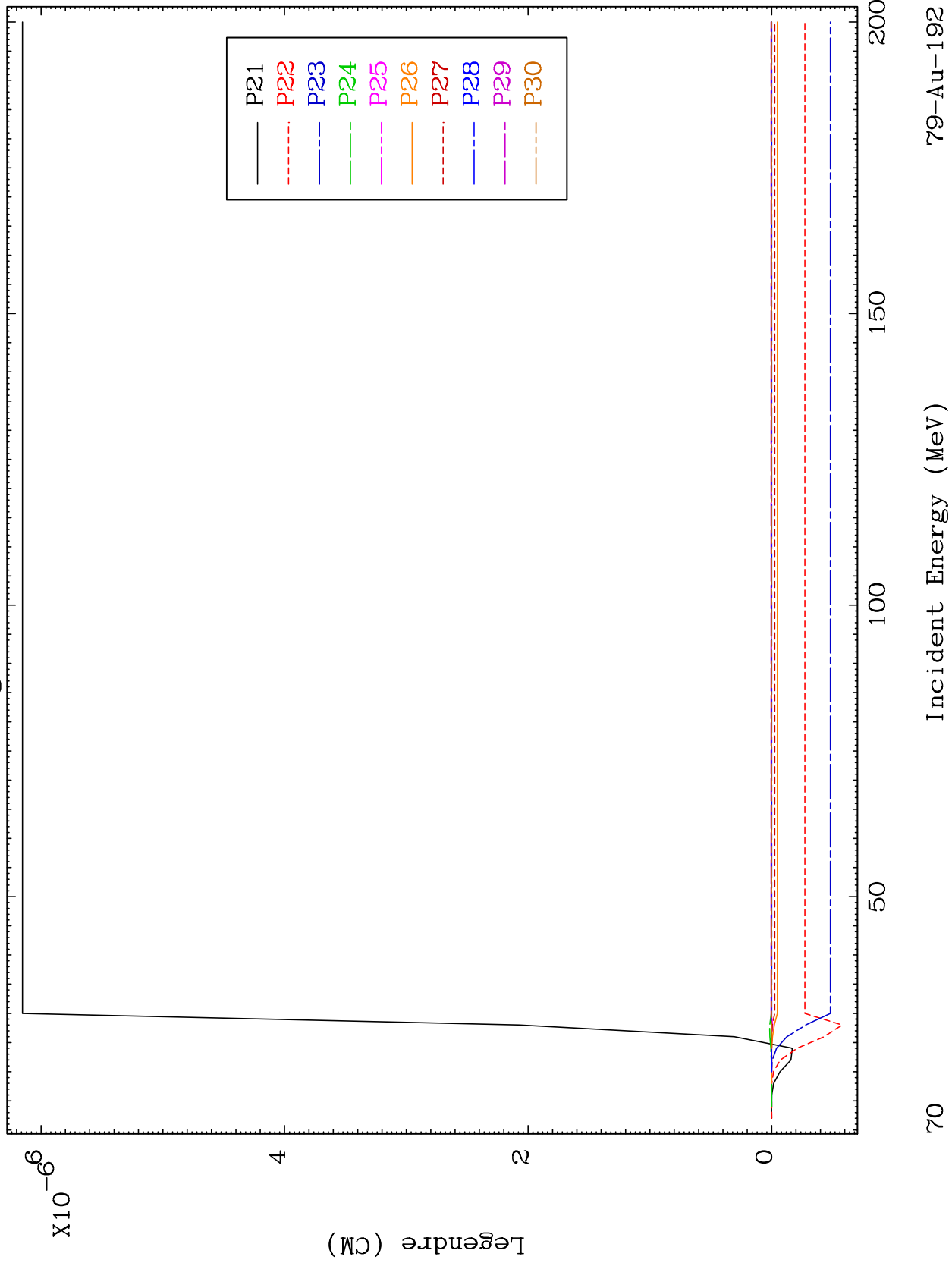
Incident Energy (MeV)

79-Au-192

MAT 7910

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

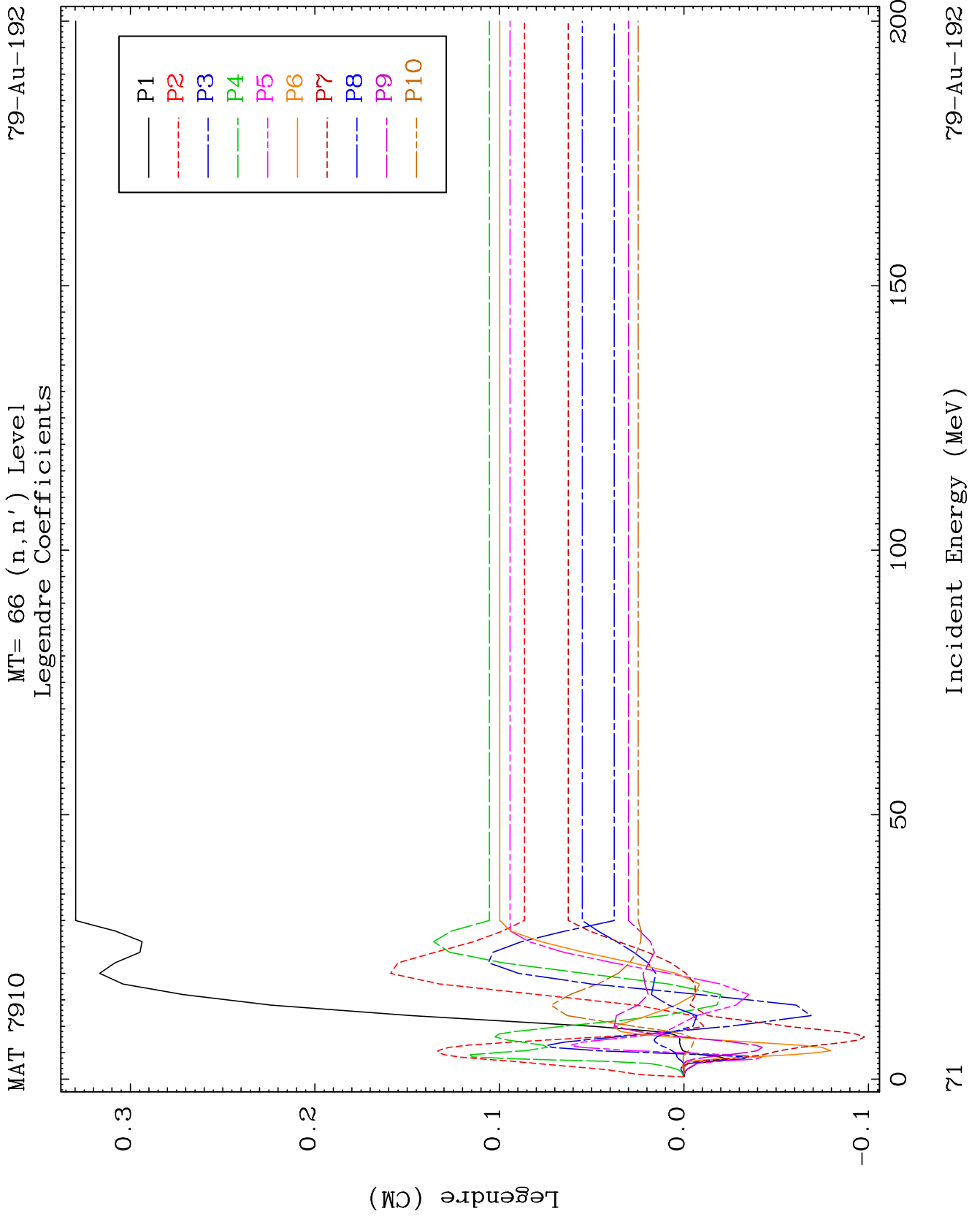
79-Au-192



79-Au-192

Incident Energy (MeV)

70



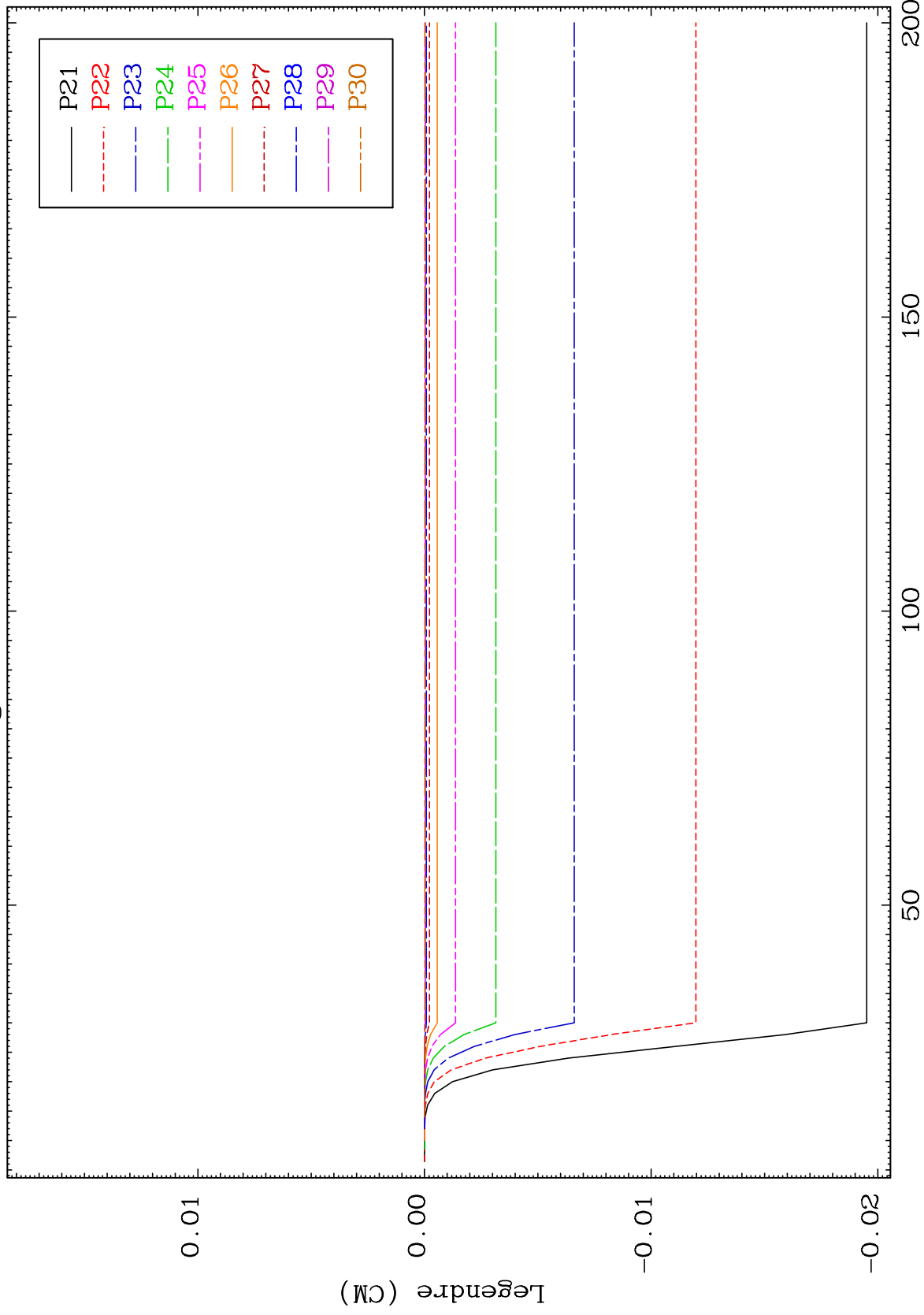




MAT 7910

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

79-Au-192

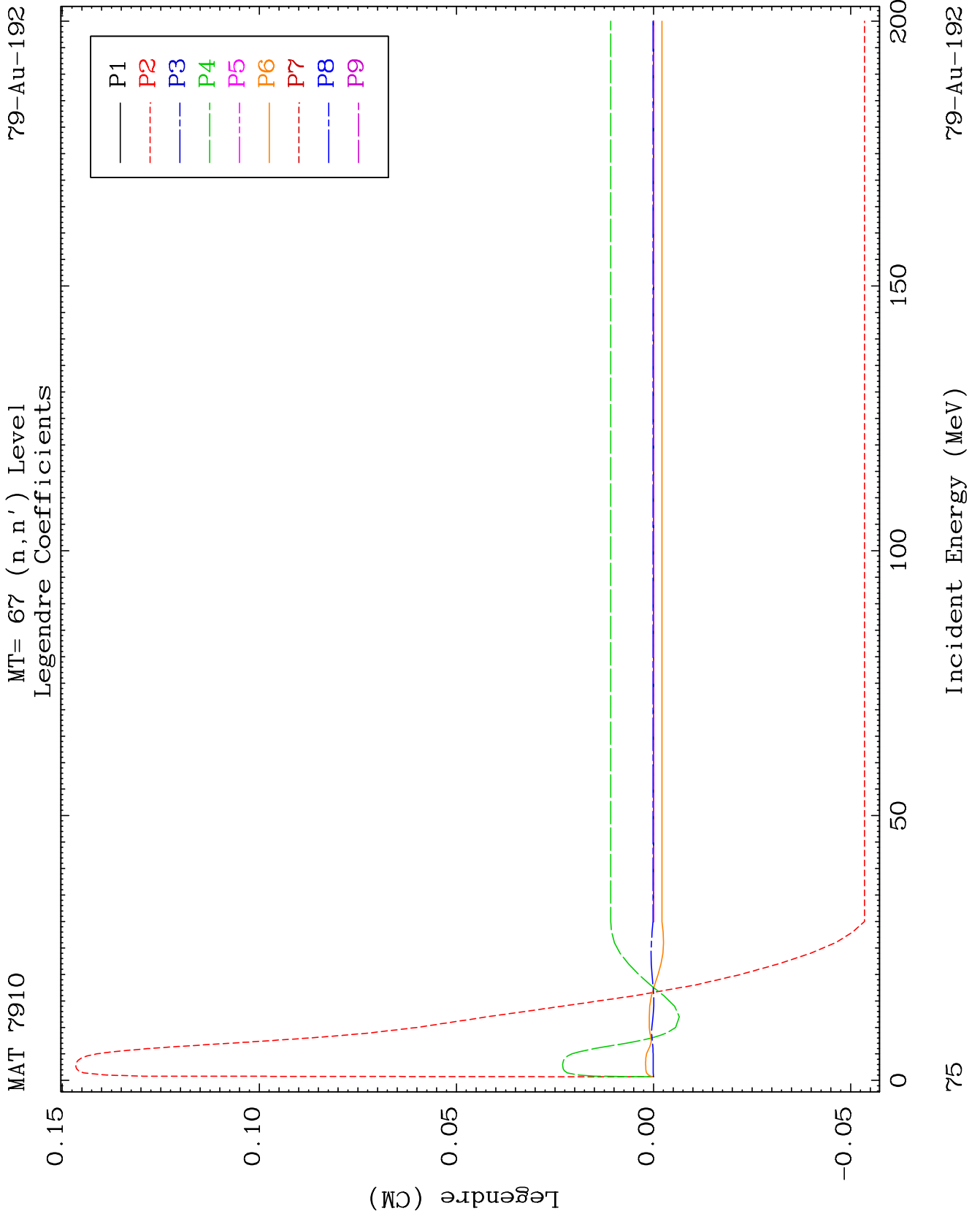


73

Incident Energy (MeV)

79-Au-192

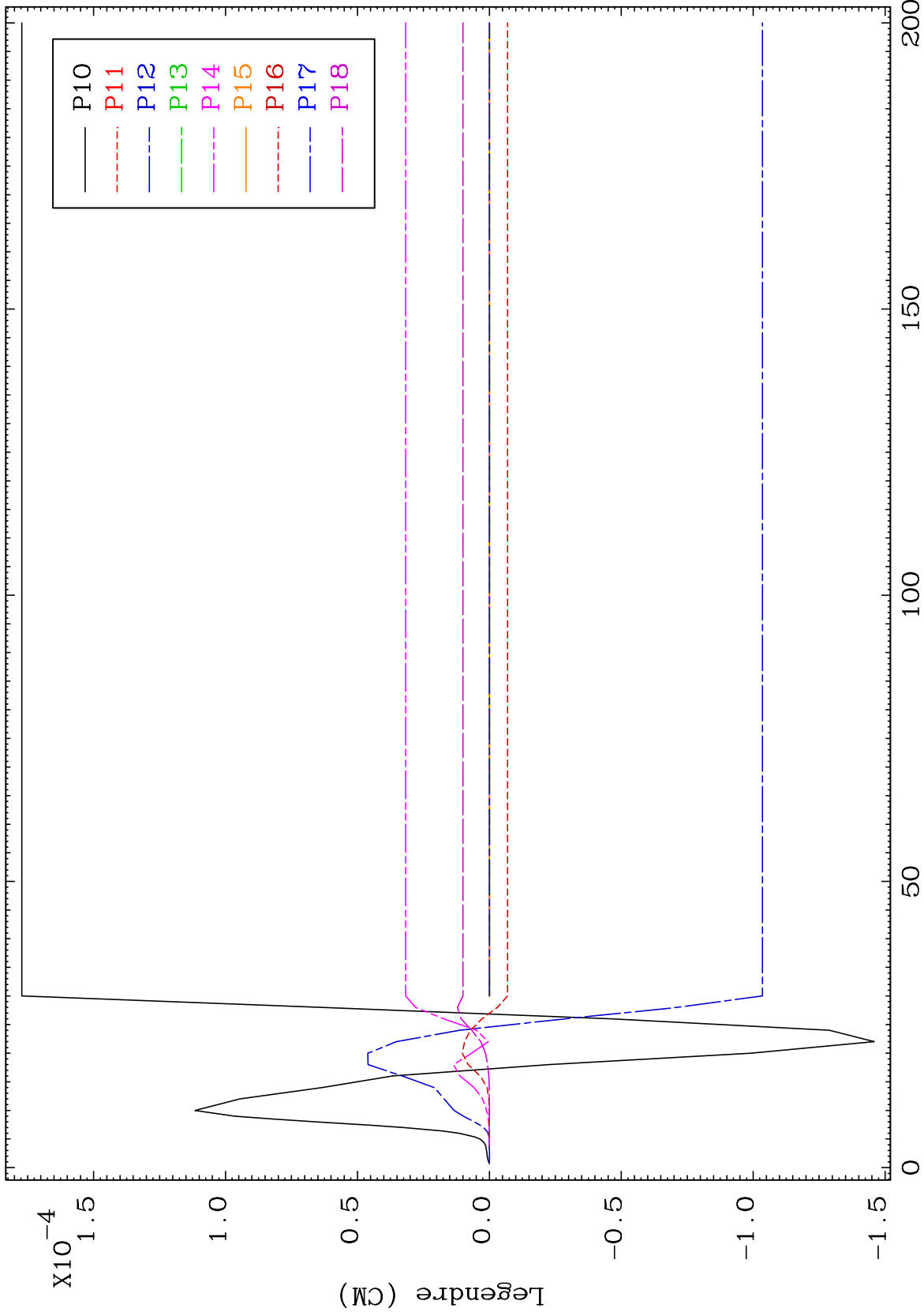




MAT 7910

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

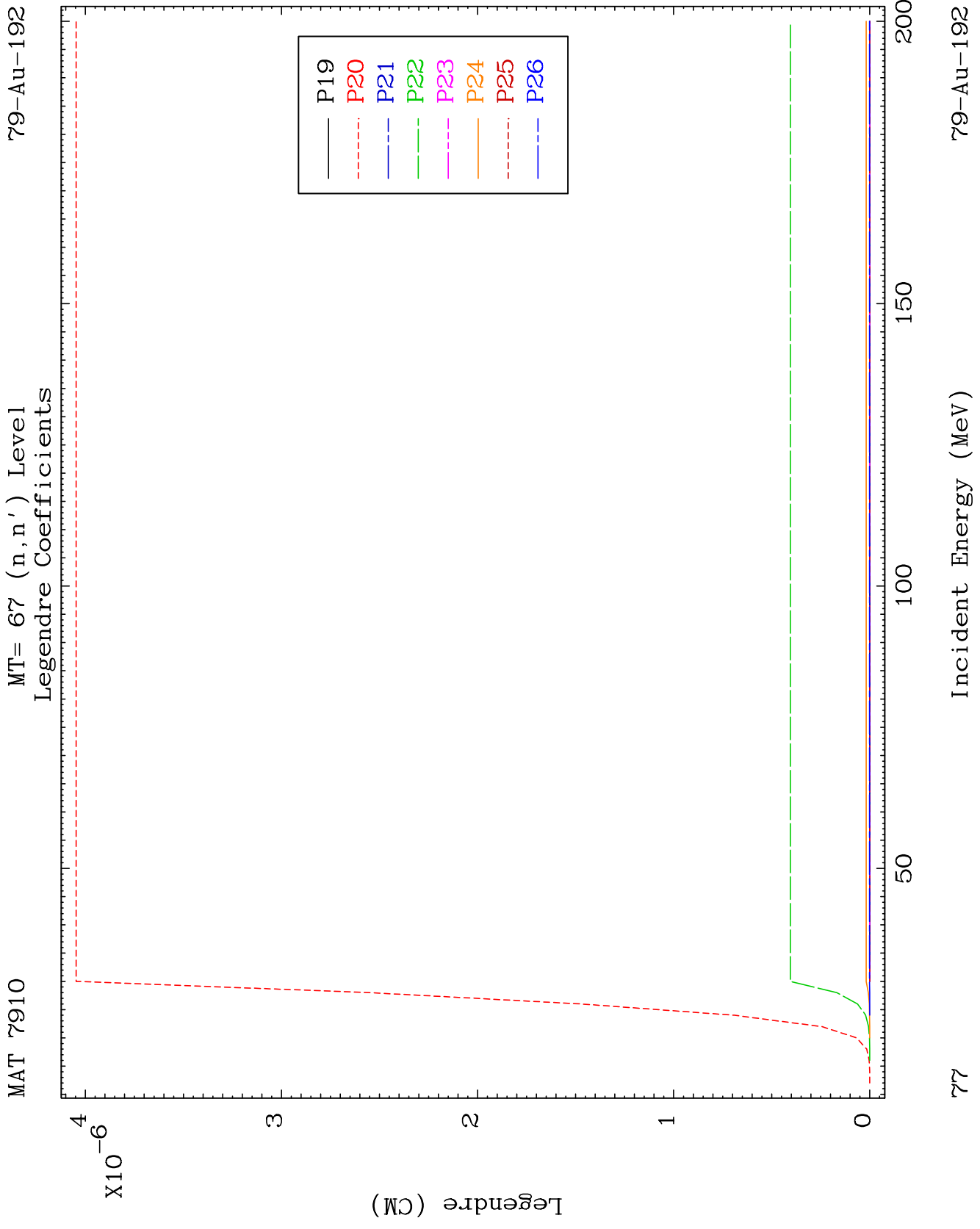
79-Au-192



76

Incident Energy (MeV)

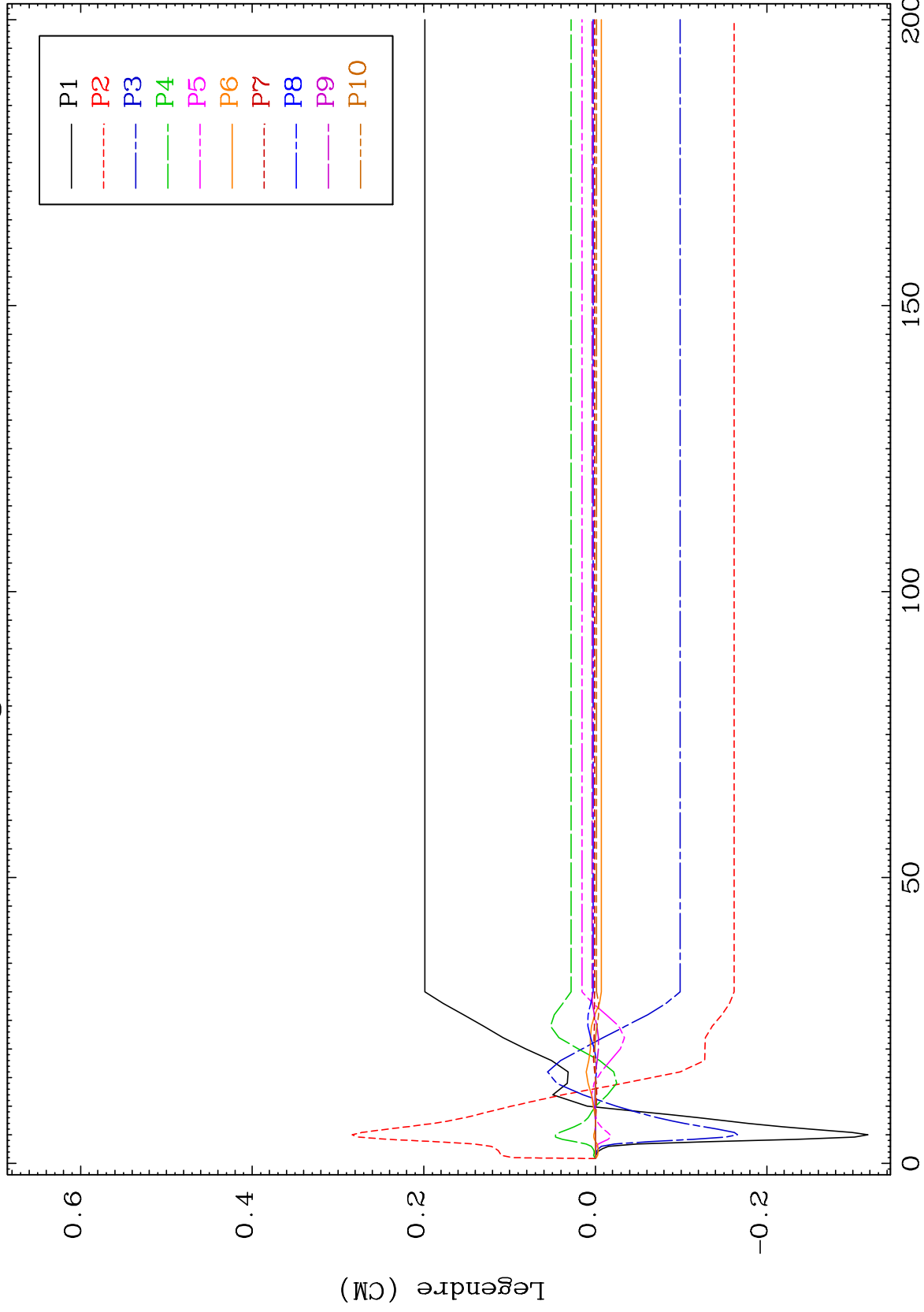
79-Au-192



MAT 7910

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

79-Au-192



78

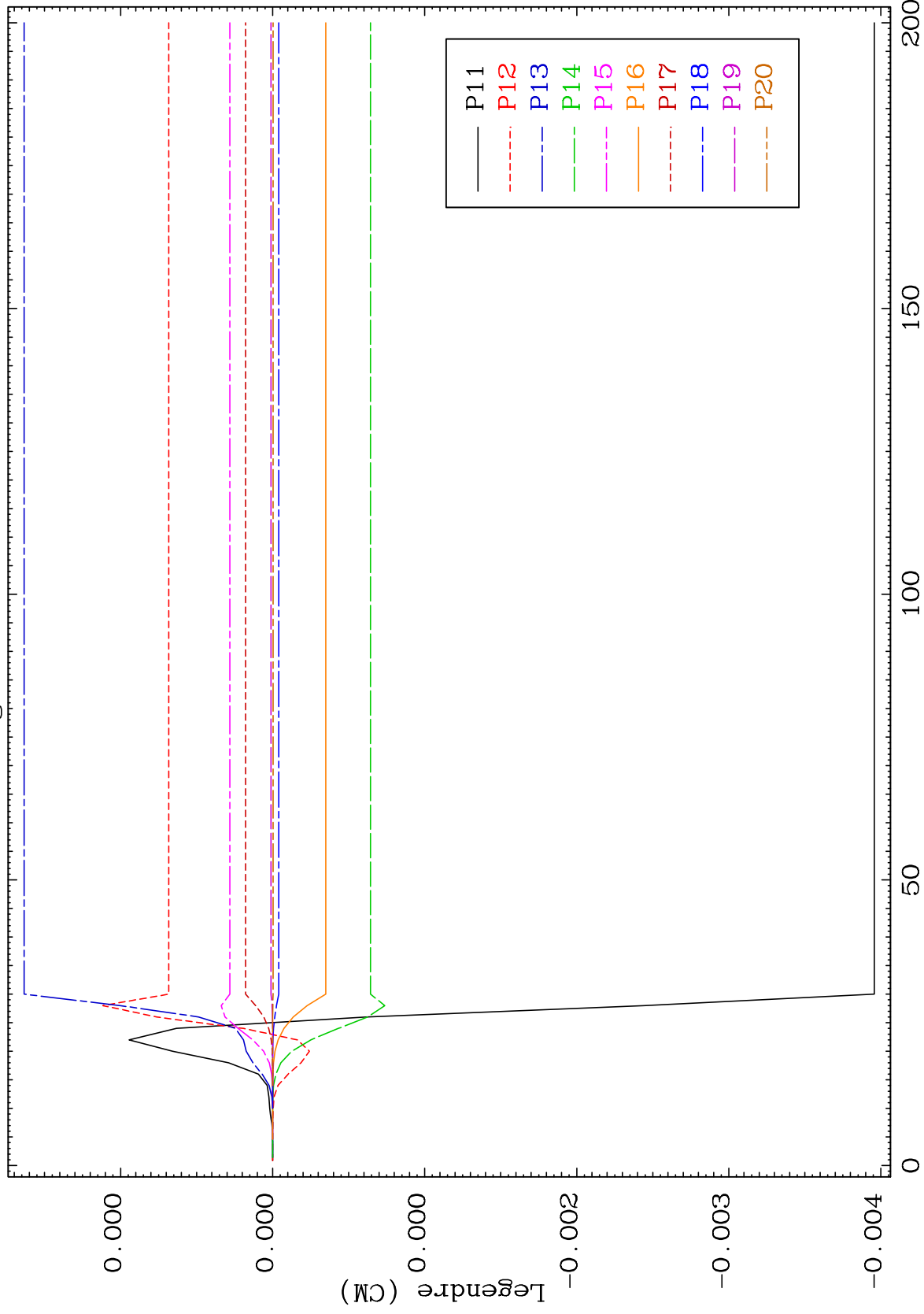
Incident Energy (MeV)

79-Au-192

MAT 7910

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

79-Au-192



79

Incident Energy (MeV)

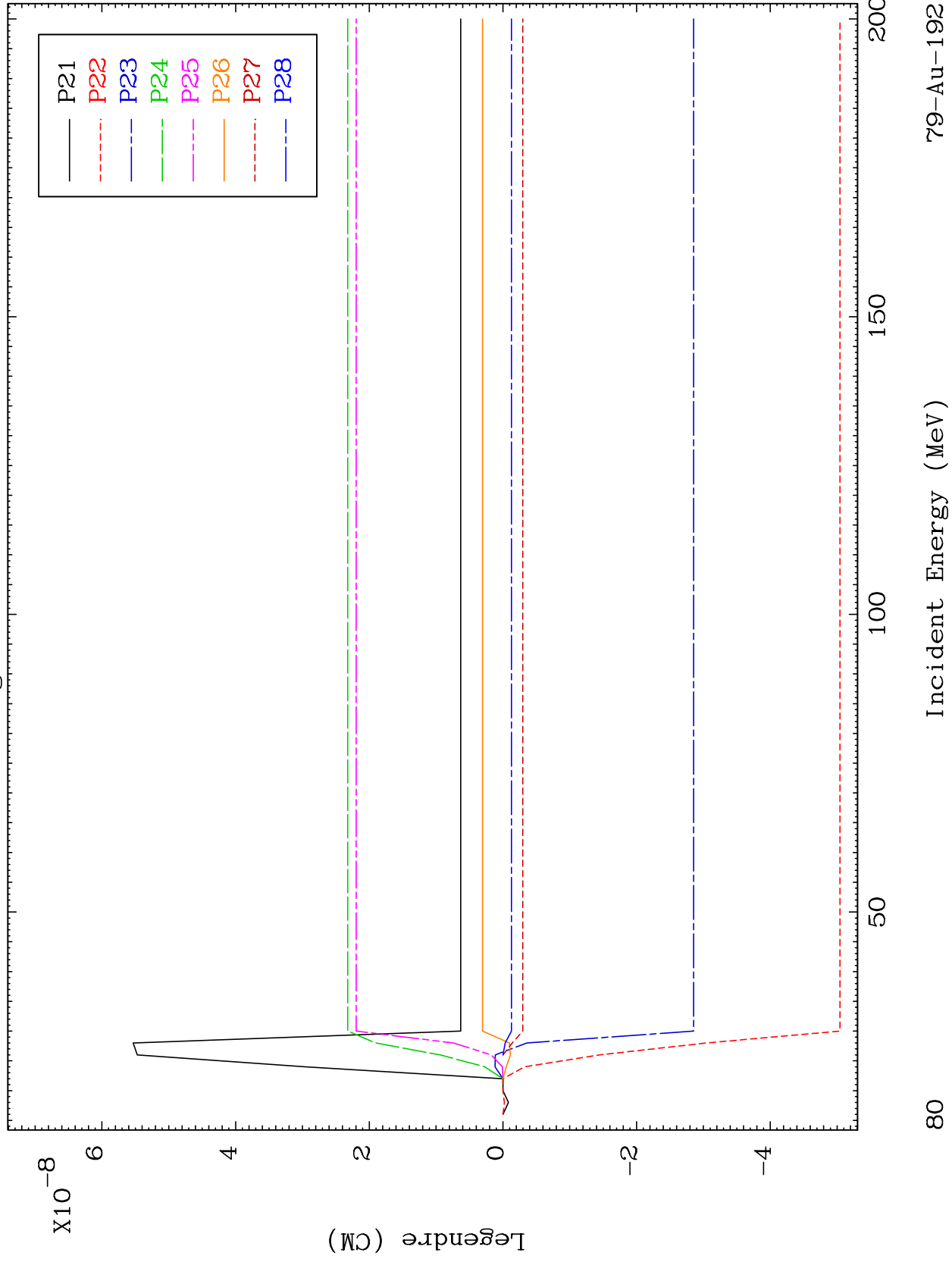
79-Au-192



MAT 7910

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

79-Au-192



79-Au-192

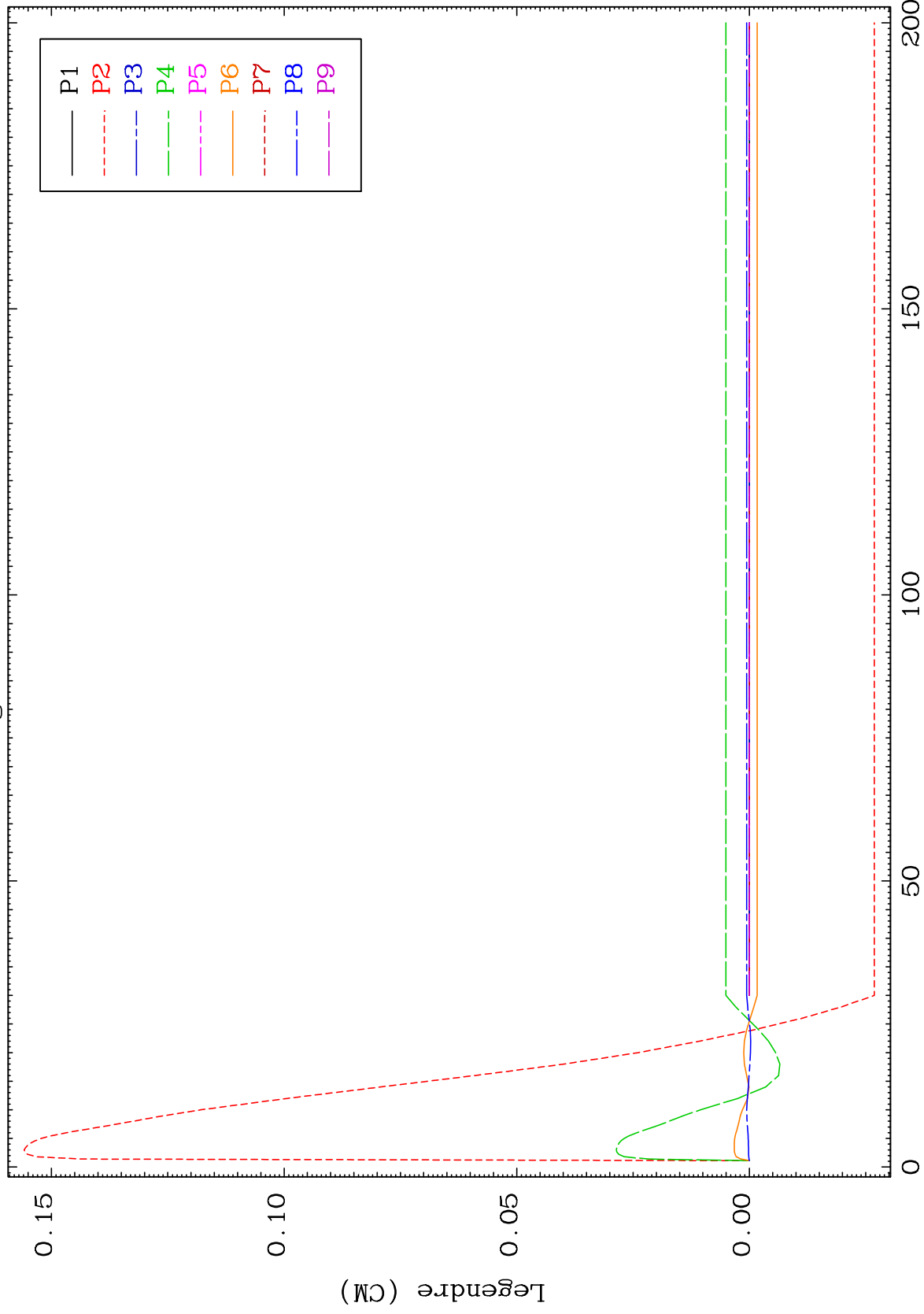
Incident Energy (MeV)

80

MAT 7910

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

79-Au-192



81

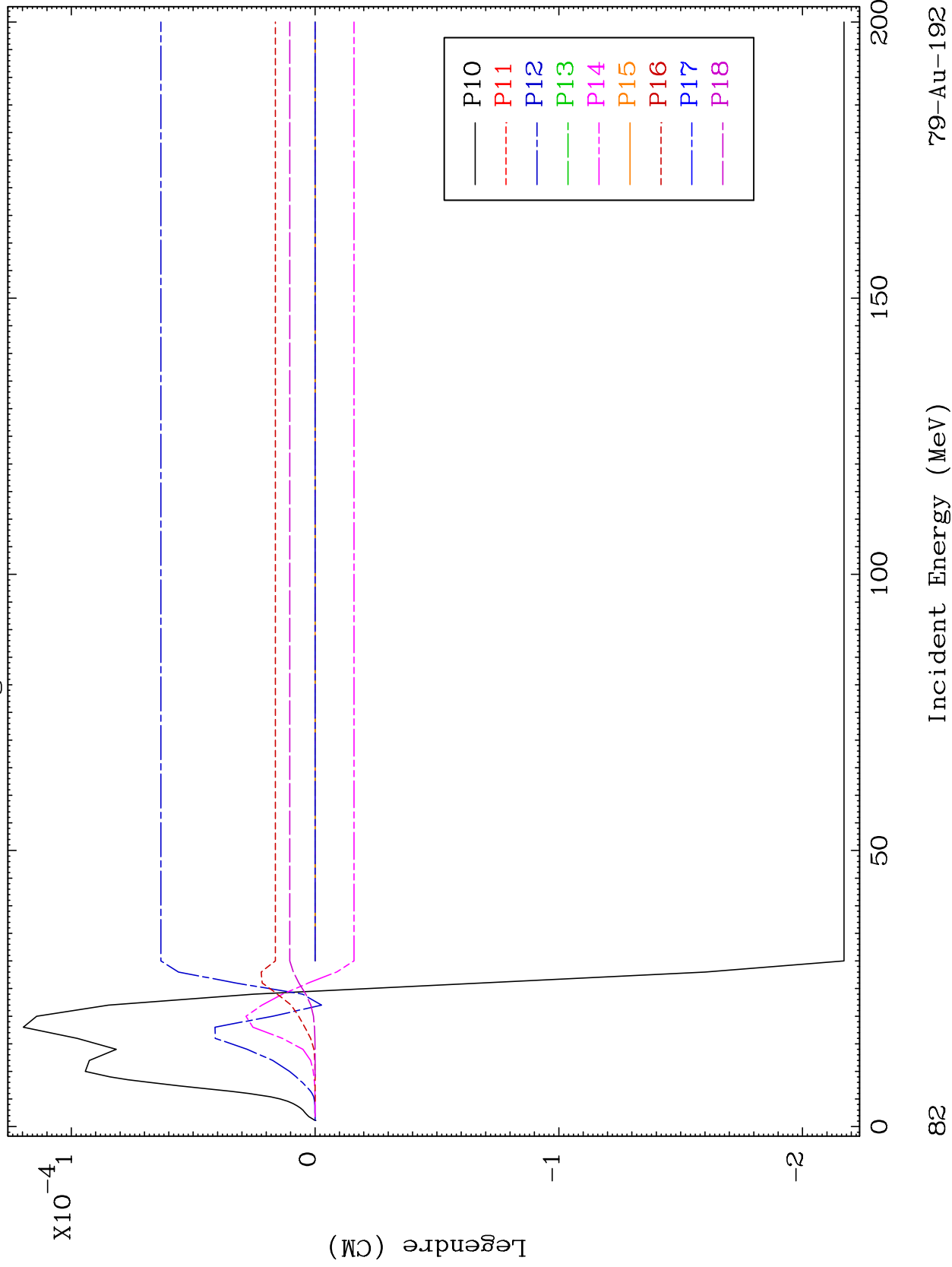
Incident Energy (MeV)

79-Au-192

MAT 7910

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

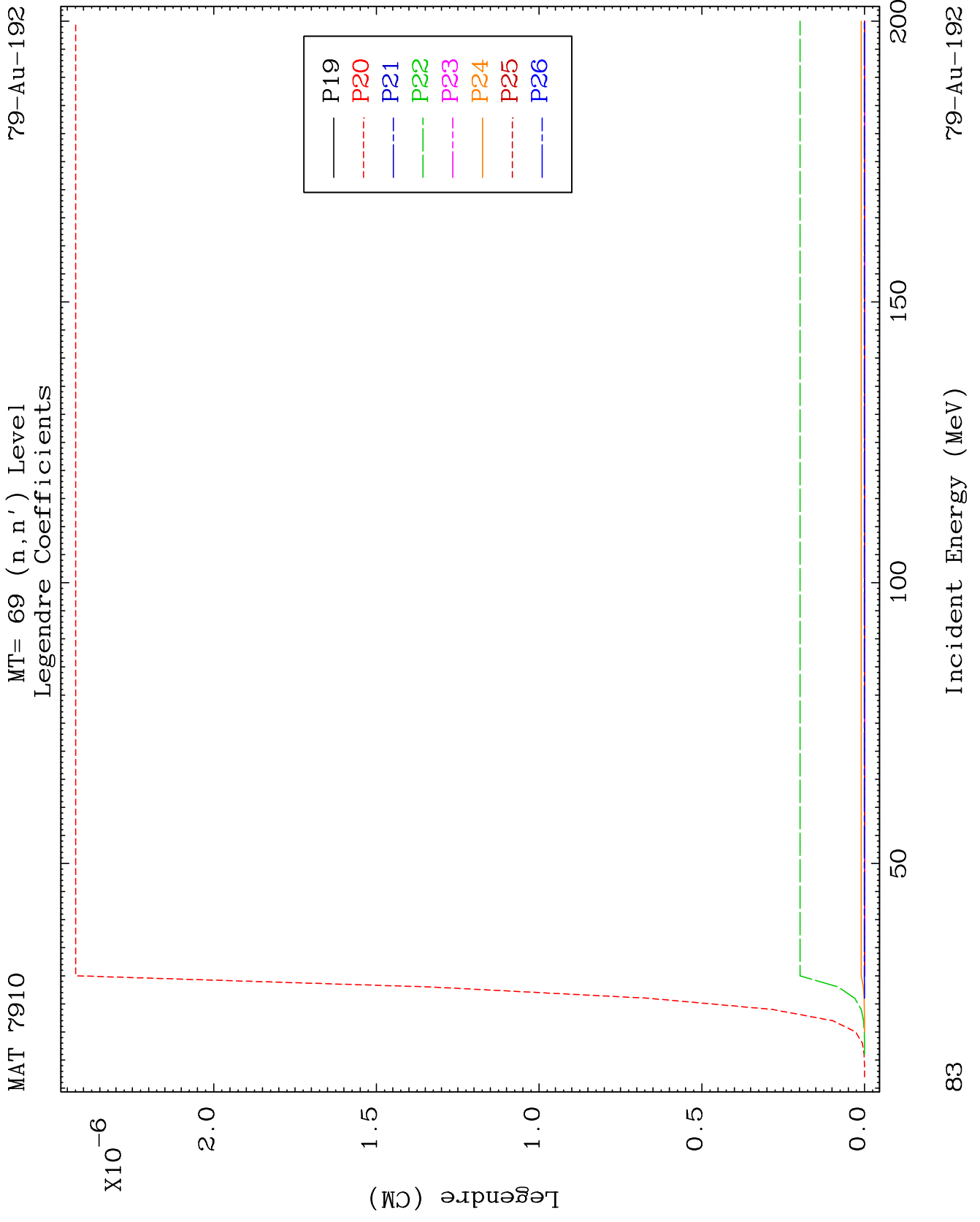
79-Au-192

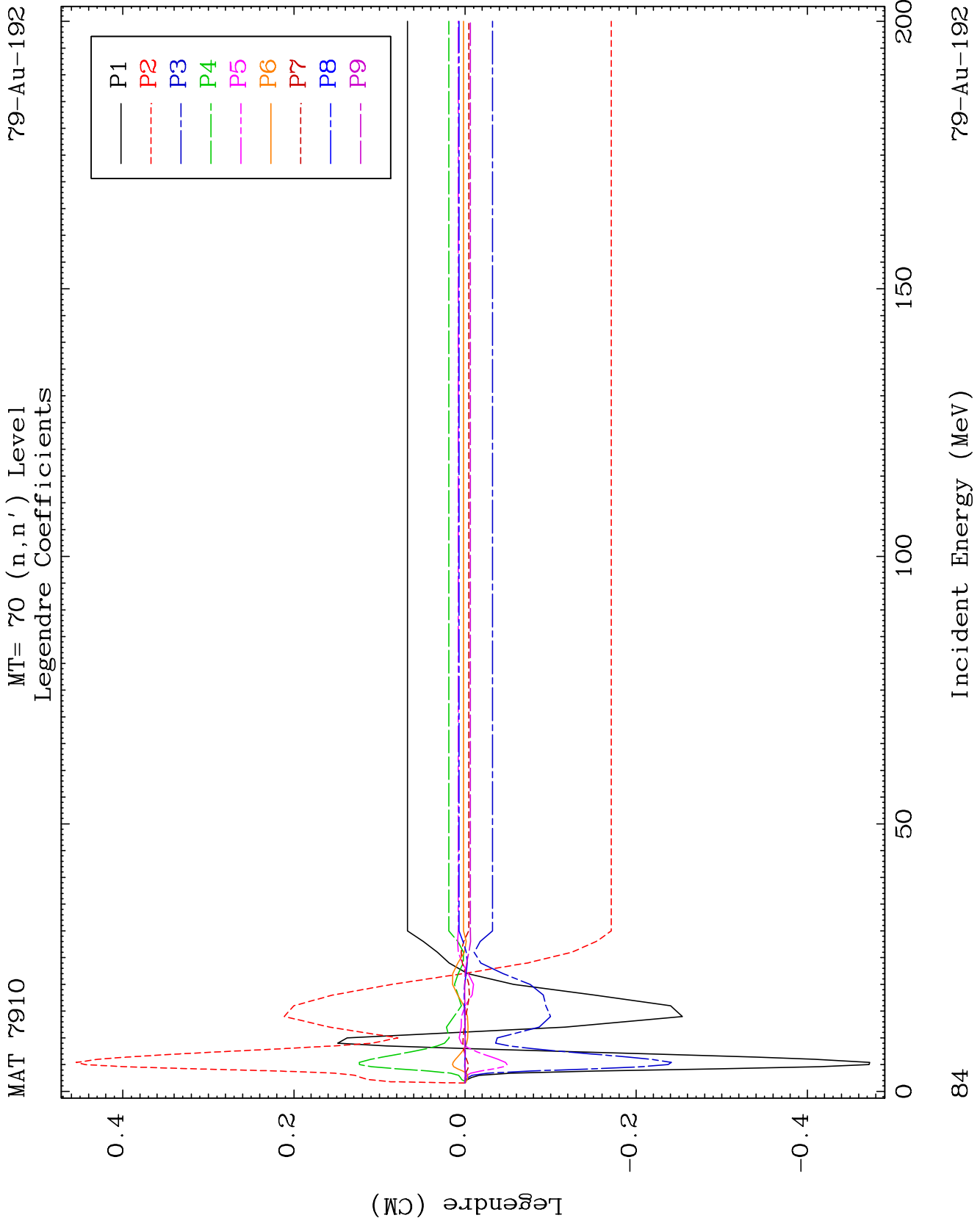


82

Incident Energy (MeV)

79-Au-192

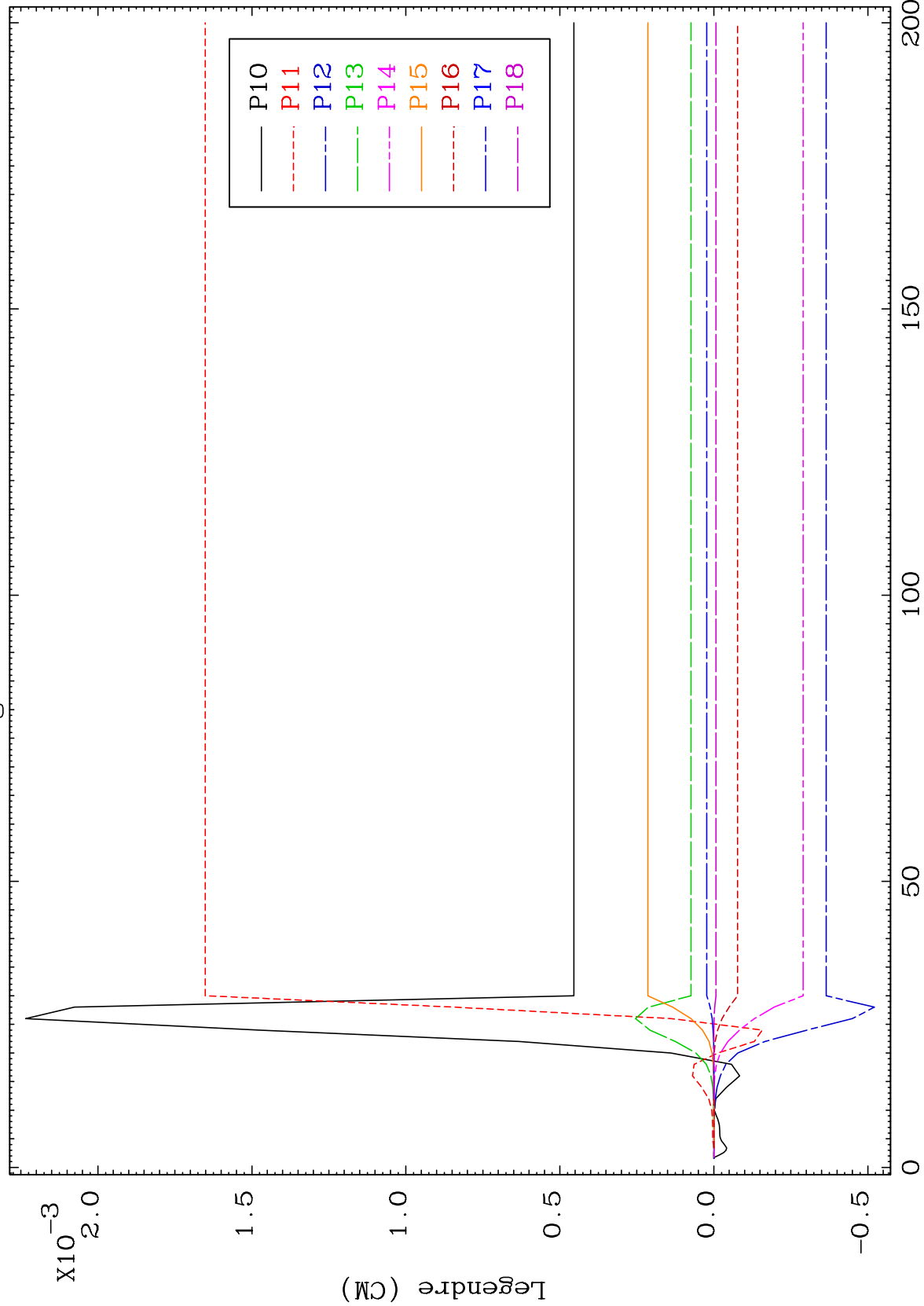




MAT 7910

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

79-Au-192



85

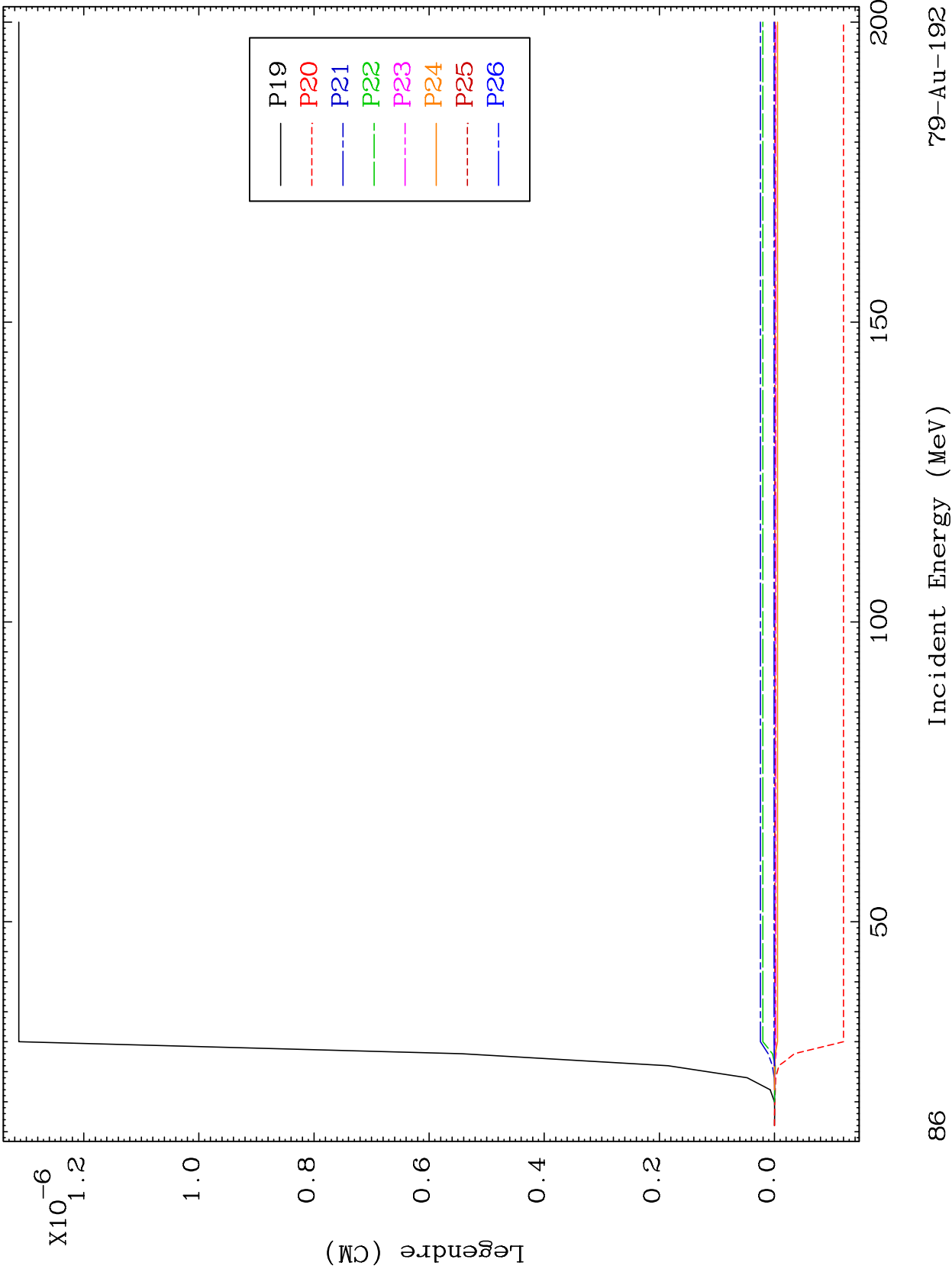
Incident Energy (MeV)

79-Au-192

MAT 7910

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

79-Au-192



86

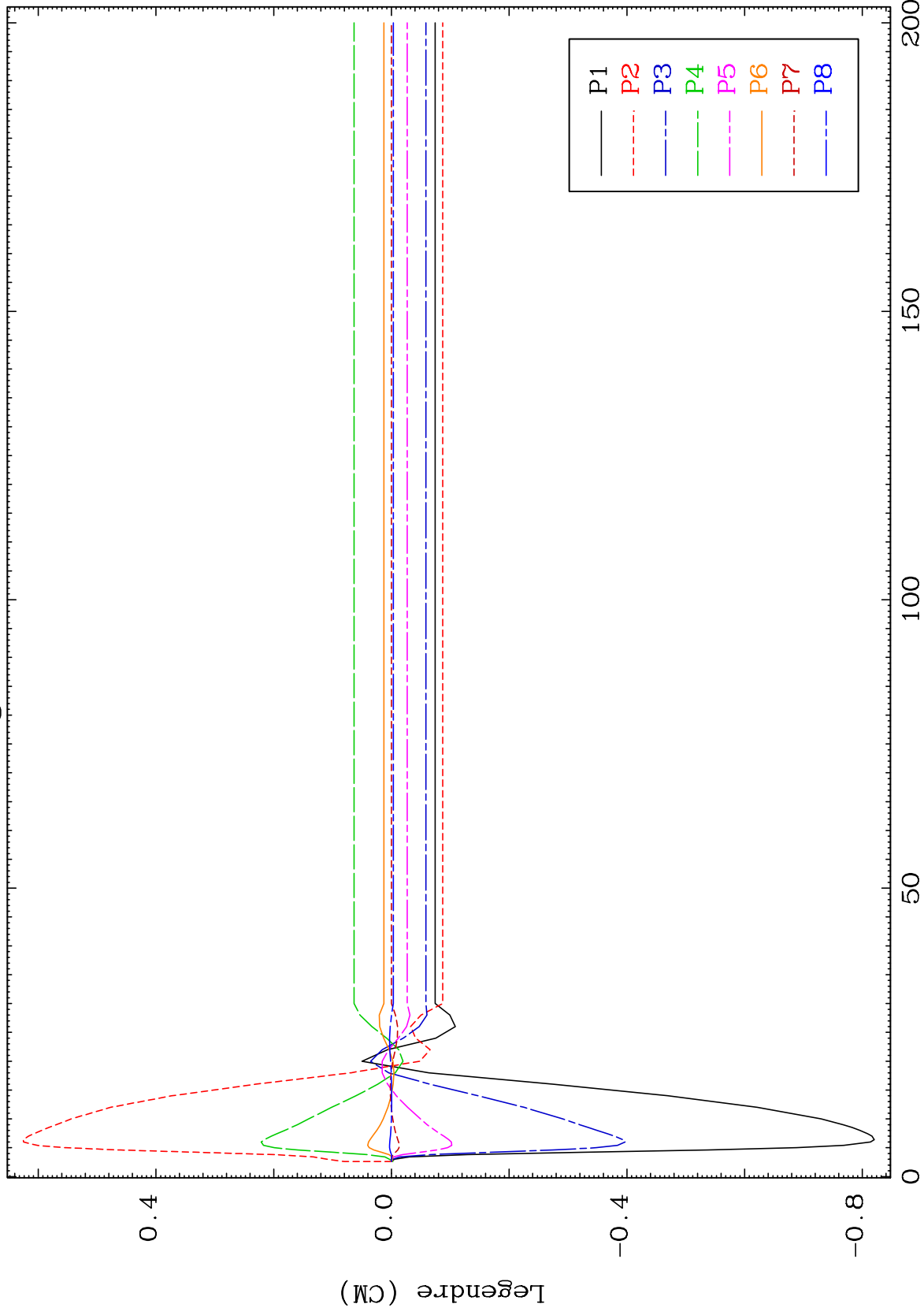
Incident Energy (MeV)

79-Au-192

MAT 7910

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

79-Au-192



87

Incident Energy (MeV)

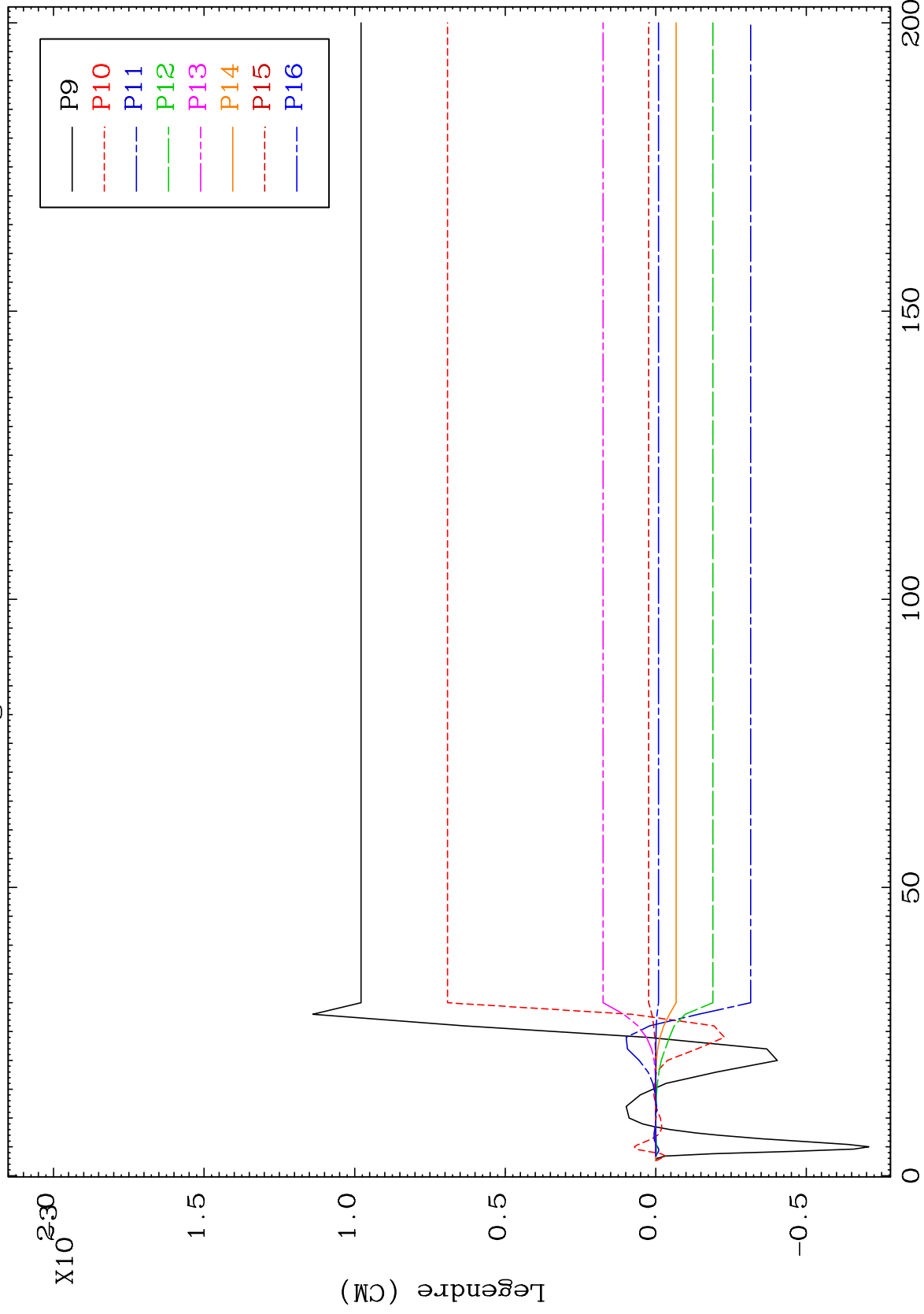
79-Au-192



MAT 7910

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

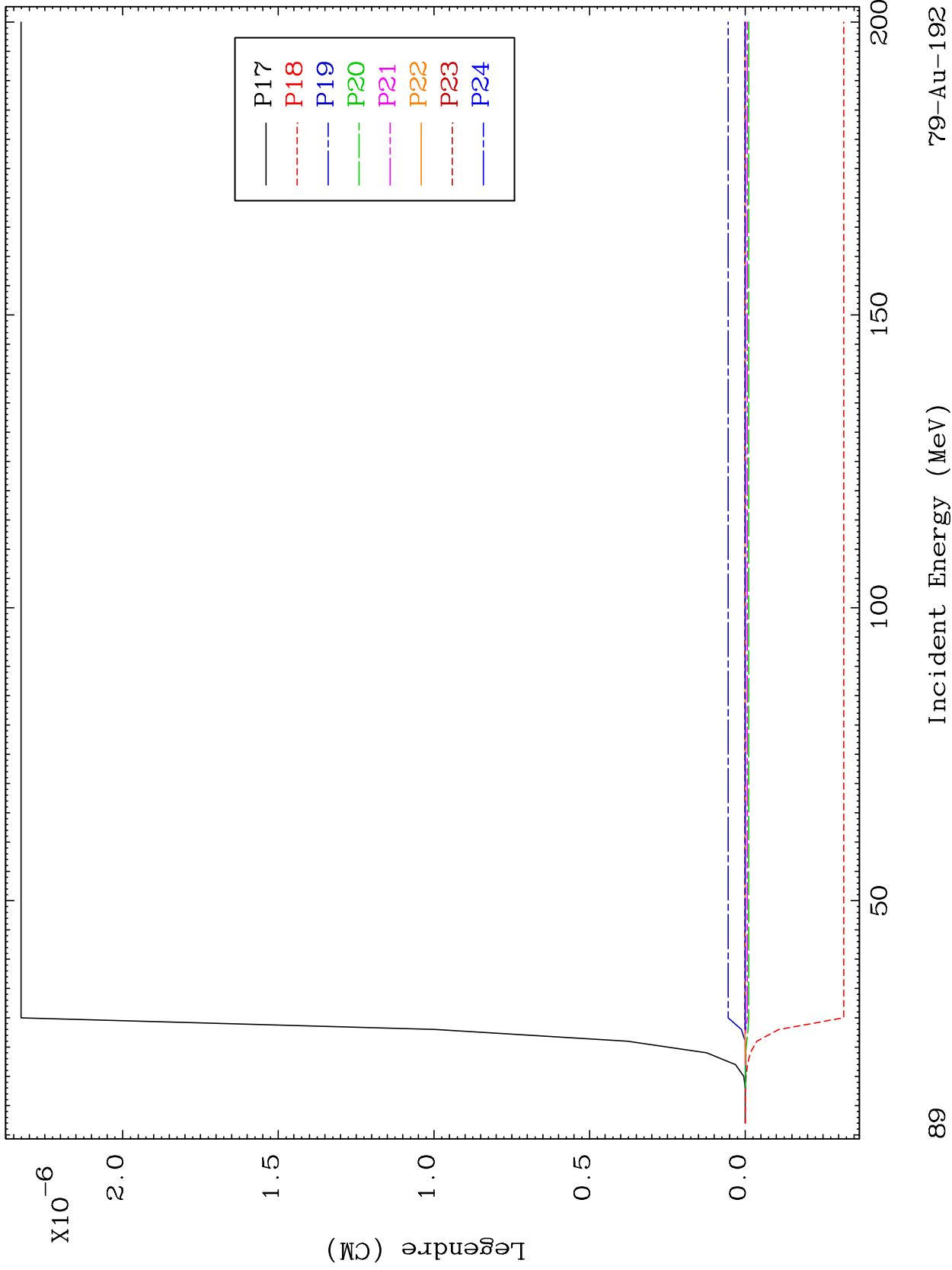
79-Au-192



88

Incident Energy (MeV)

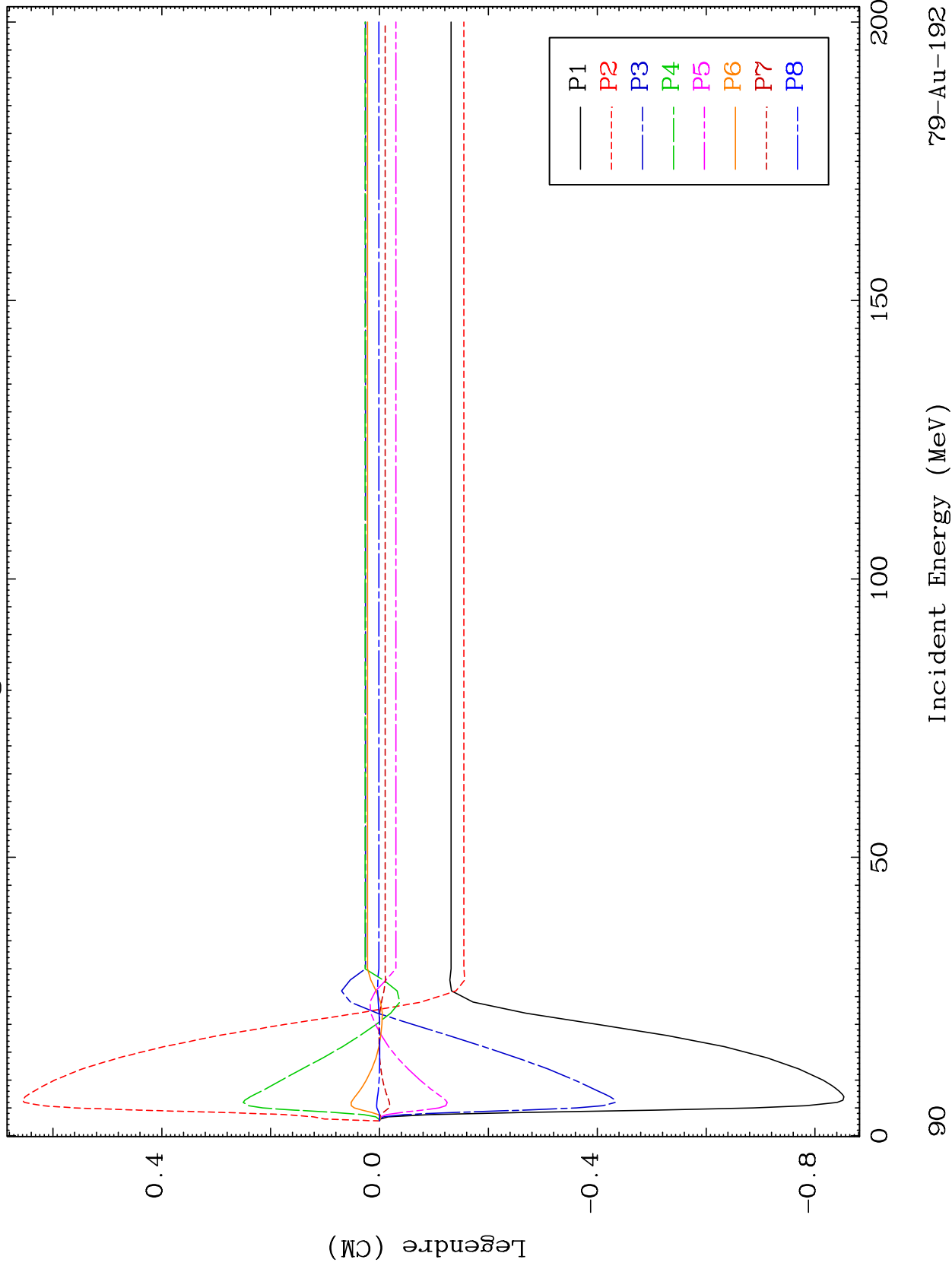
79-Au-192



MAT 7910

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

79-Au-192



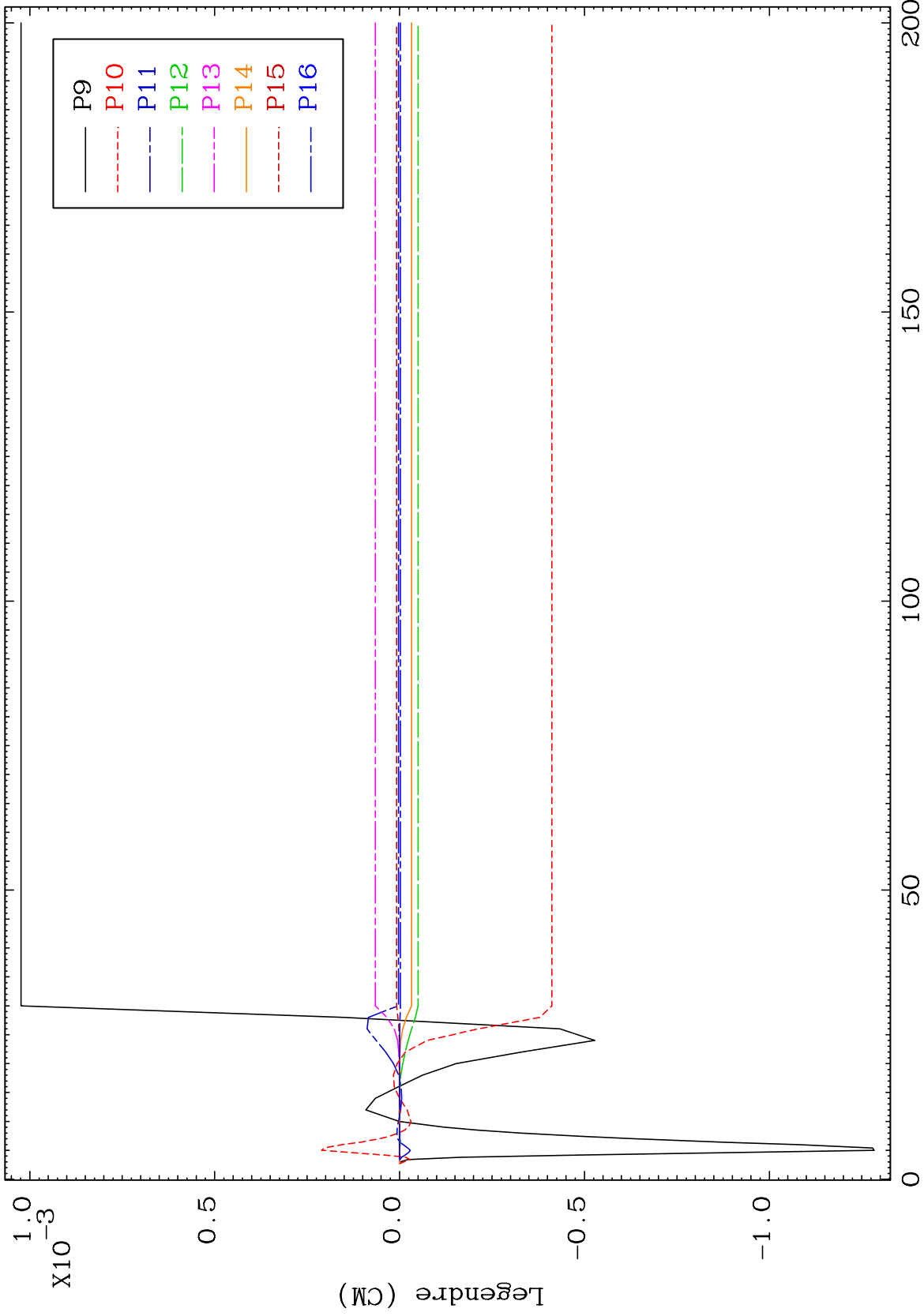
79-Au-192

Incident Energy (MeV)

MAT 7910

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

79-Au-192



91

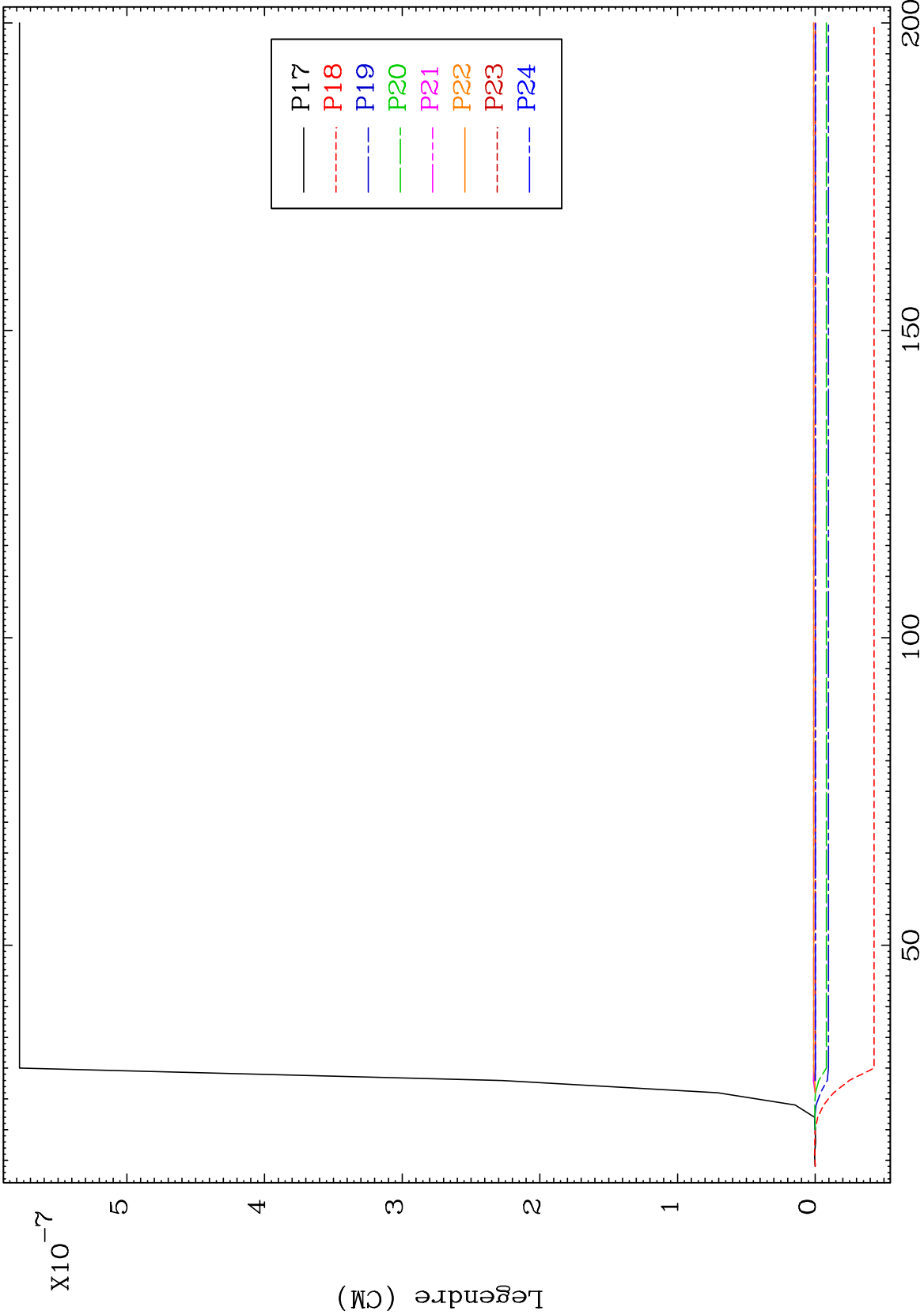
Incident Energy (MeV)

79-Au-192

MAT 7910

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

79-Au-192



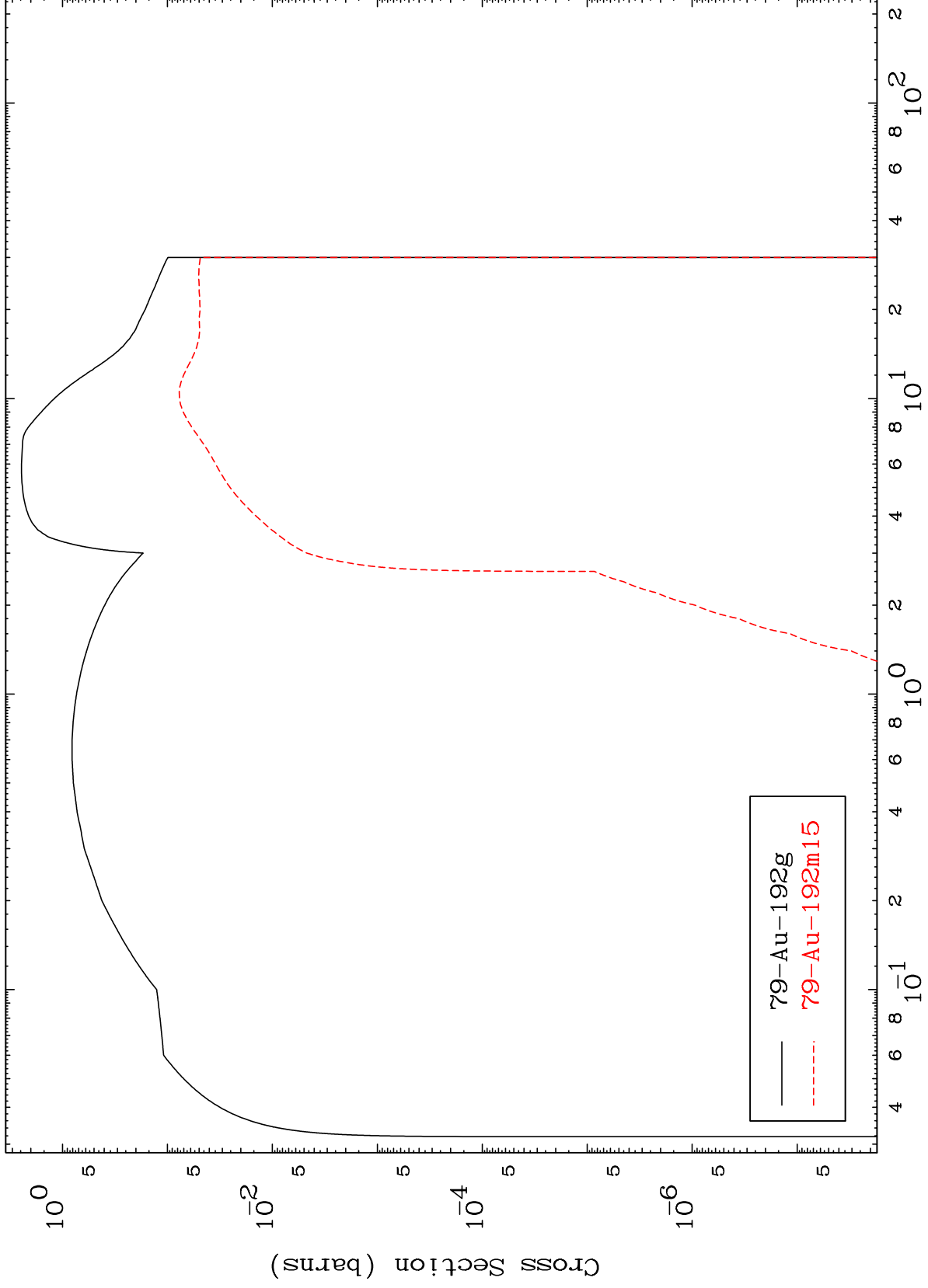
92

79-Au-192

MAT 7910

Inelastic  
Radionuclide Production Cross Section

79-Au-192

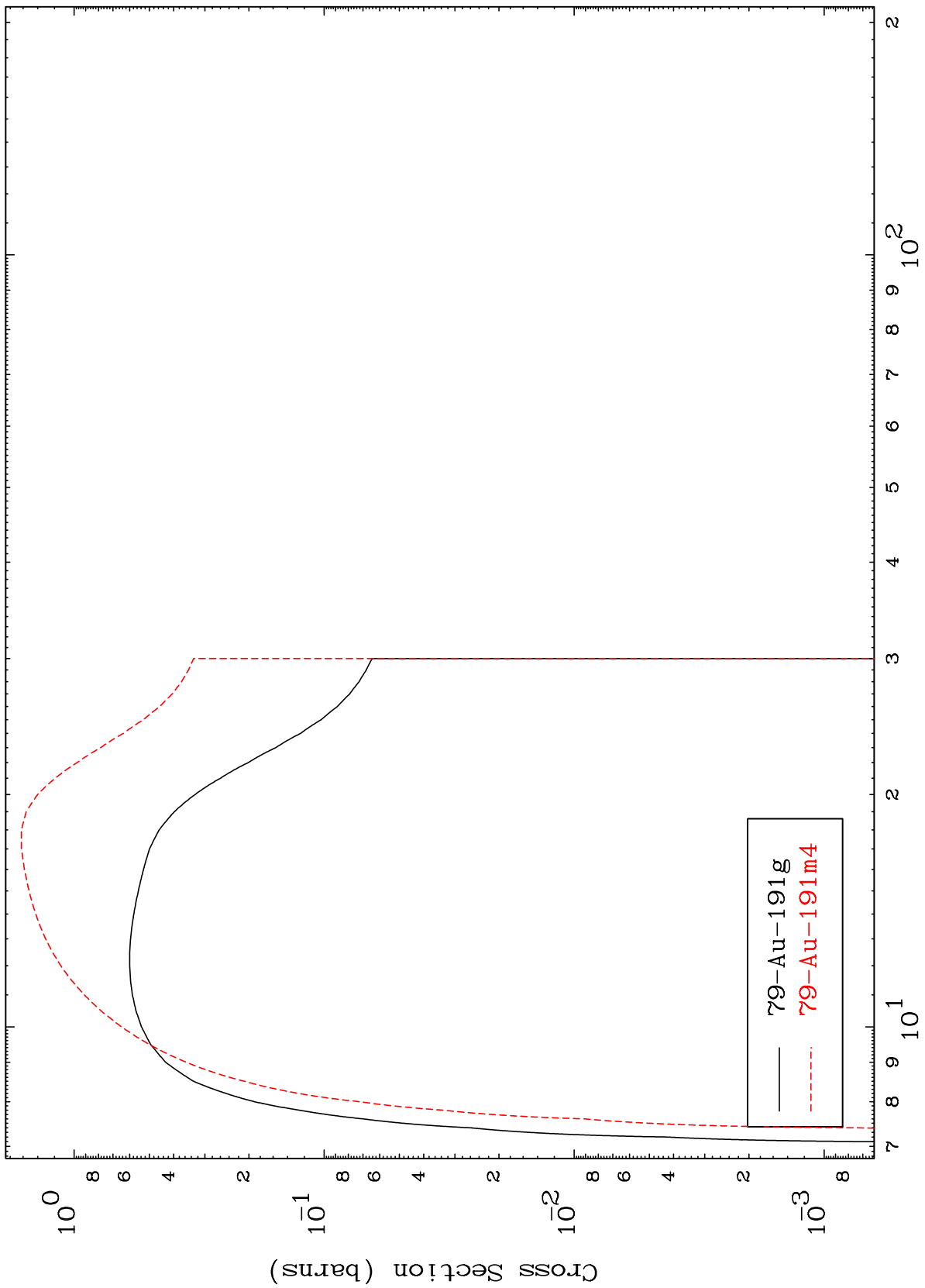


79-Au-192g  
79-Au-192m15

MAT 7910

79-Au-192

(n,2n)  
Radionuclide Production Cross Section



79-Au-191g  
79-Au-191m4

94

Incident Energy (MeV)

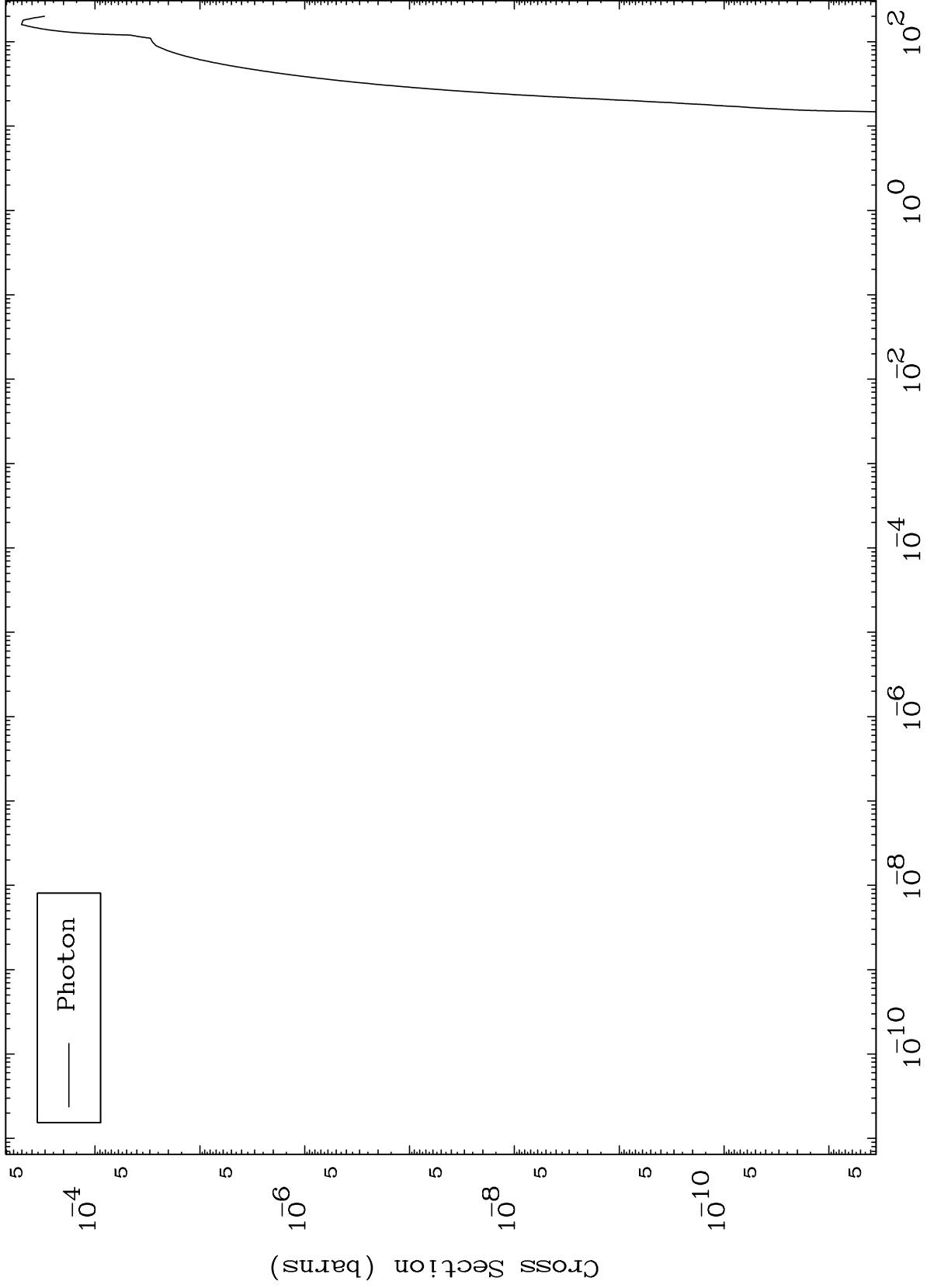
79-Au-192

MAT 7910

Fission

79-Au-192

Radionuclide Production Cross Section



95

Incident Energy (MeV)

79-Au-192

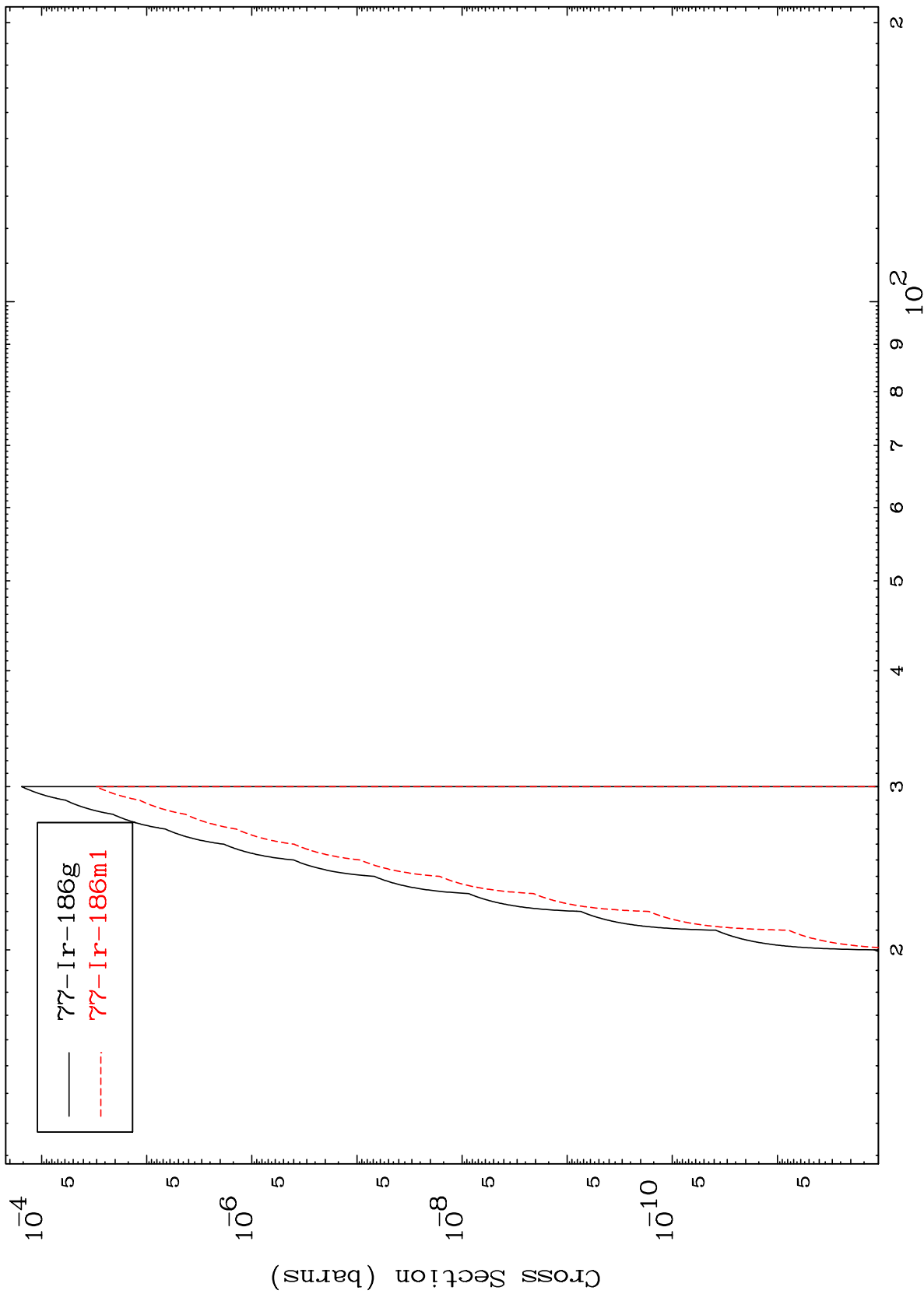


MAT 7910

(n,3n)  $\alpha$

79-Au-192

Radionuclide Production Cross Section



96

Incident Energy (MeV)

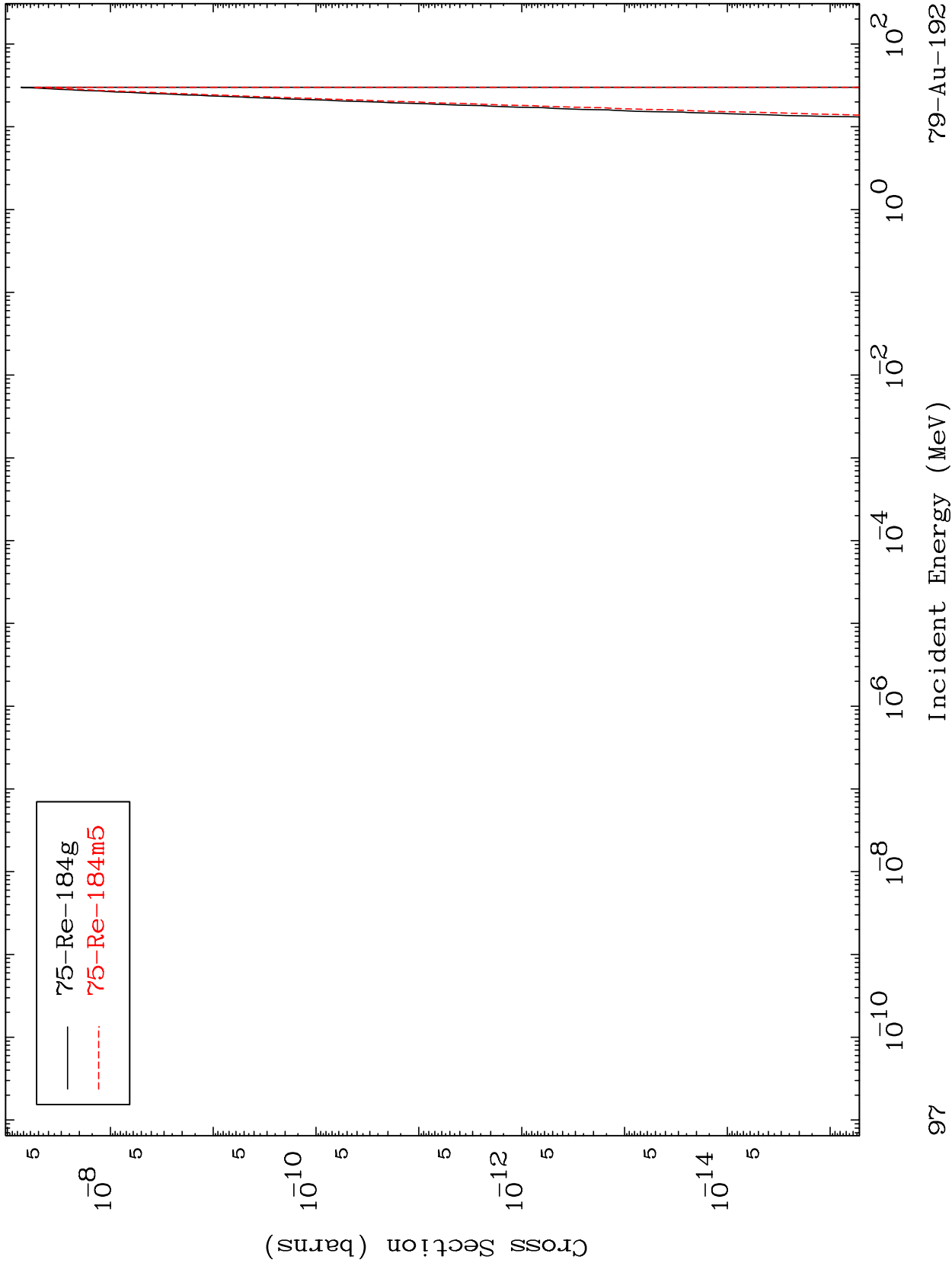
79-Au-192

MAT 7910

(n,n') 2 $\alpha$

79-Au-192

Radionuclide Production Cross Section



97

Incident Energy (MeV)

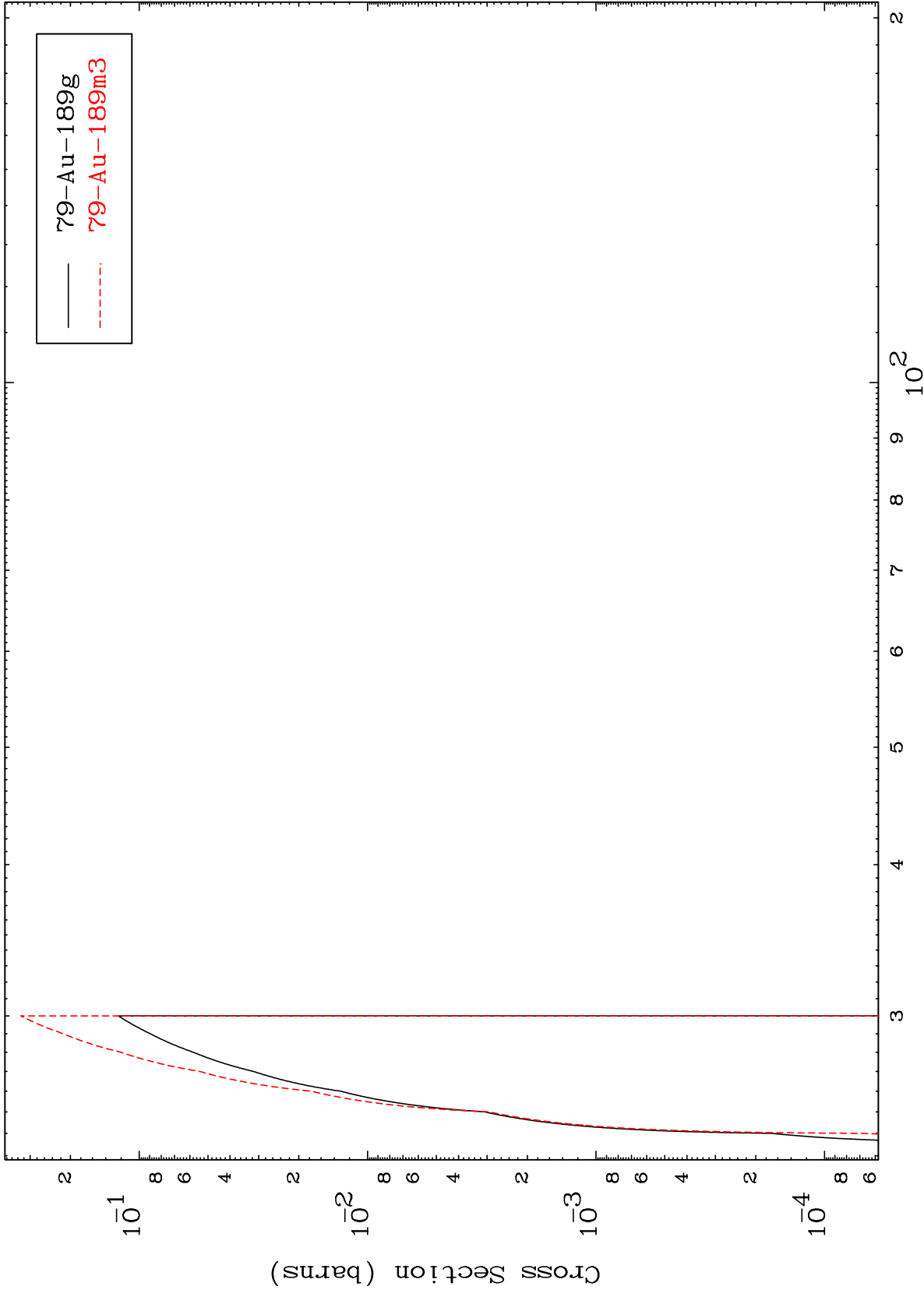
79-Au-192

MAT 7910

(n,4n)

79-Au-192

Radionuclide Production Cross Section



79-Au-189g  
79-Au-189m3

98

Incident Energy (MeV)

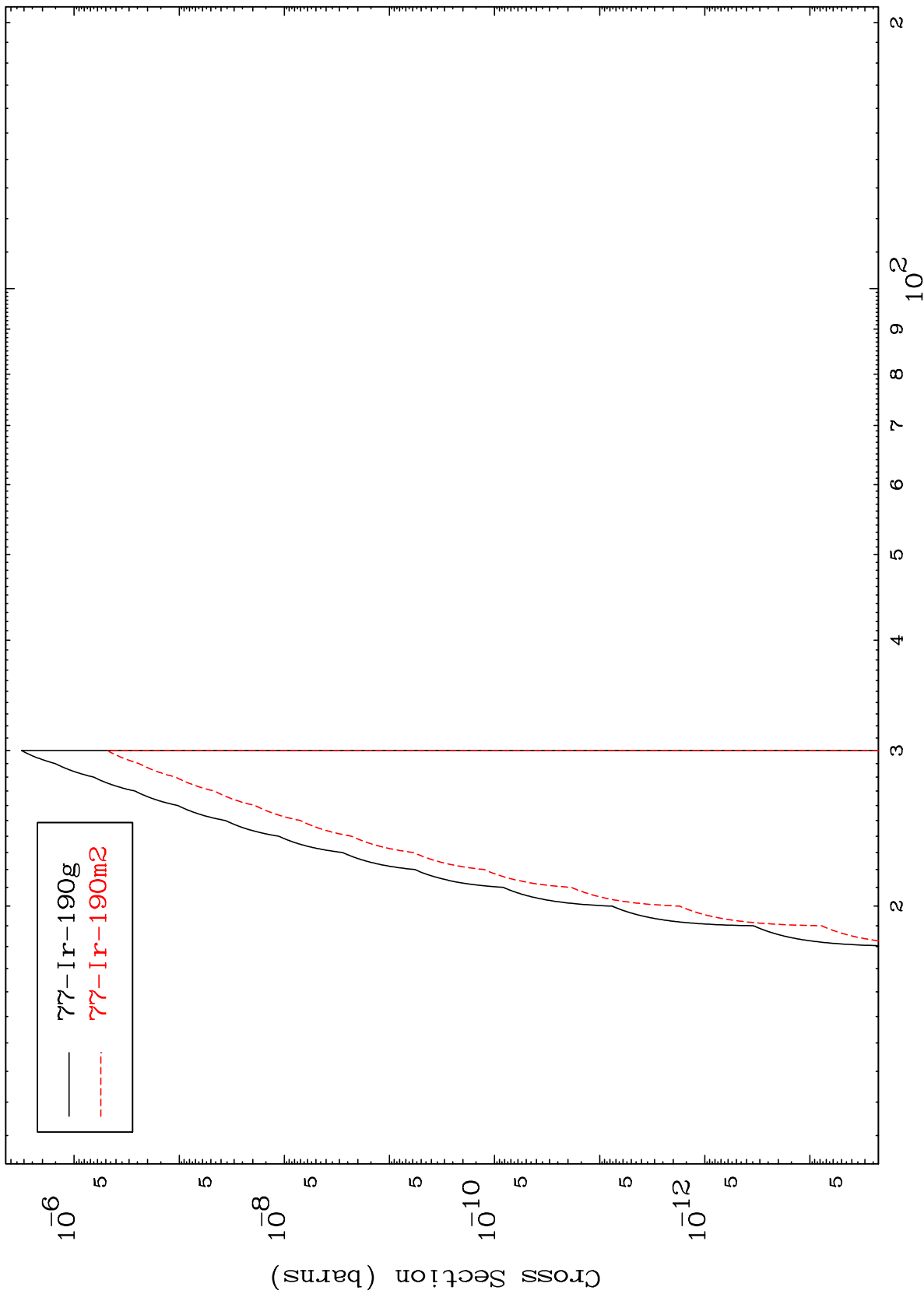
79-Au-192

MAT 7910

(n,2n) p

79-Au-192

Radionuclide Production Cross Section



99

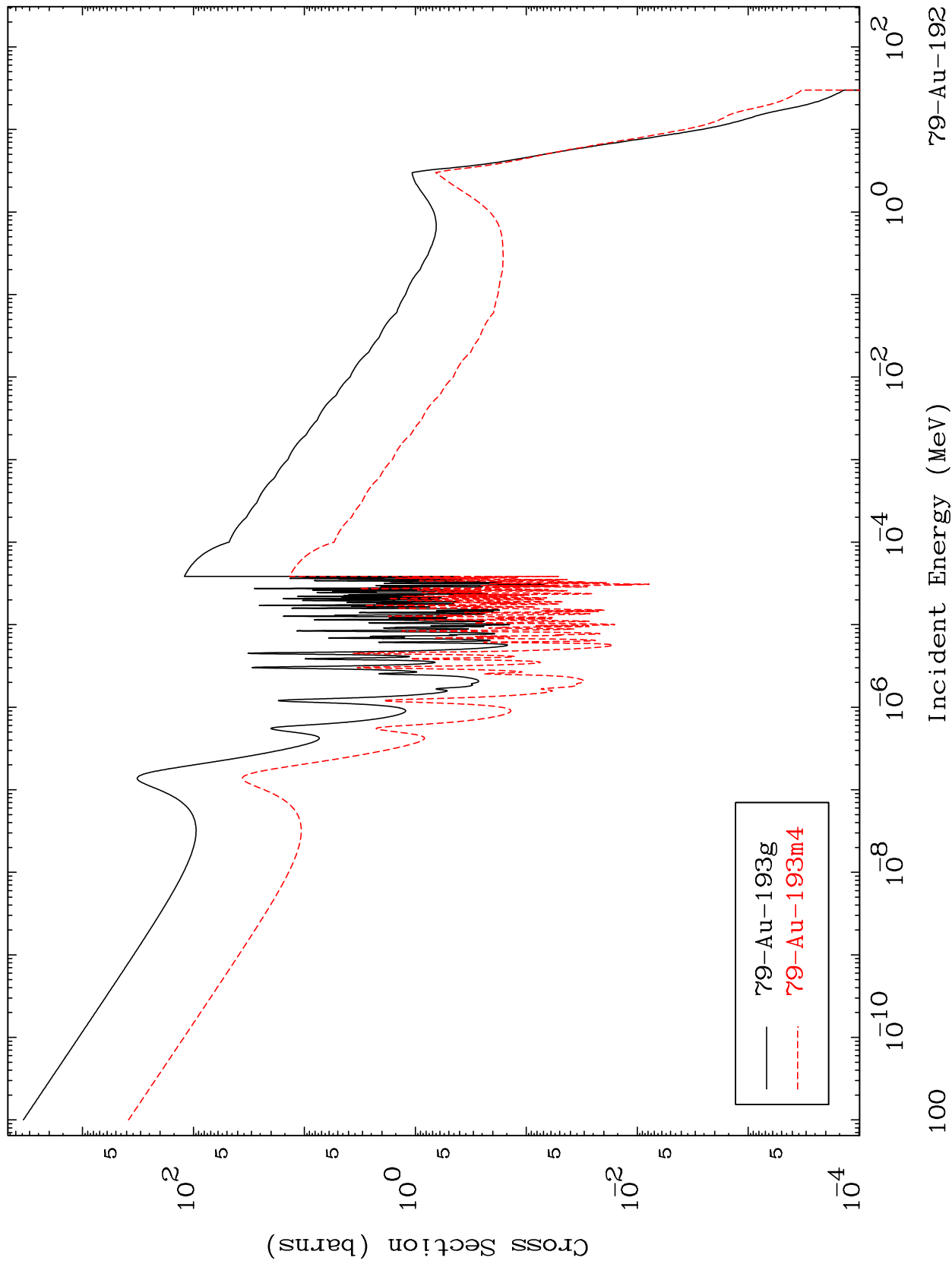
Incident Energy (MeV)

79-Au-192

MAT 7910

79-Au-192

(n,γ)  
Radionuclide Production Cross Section



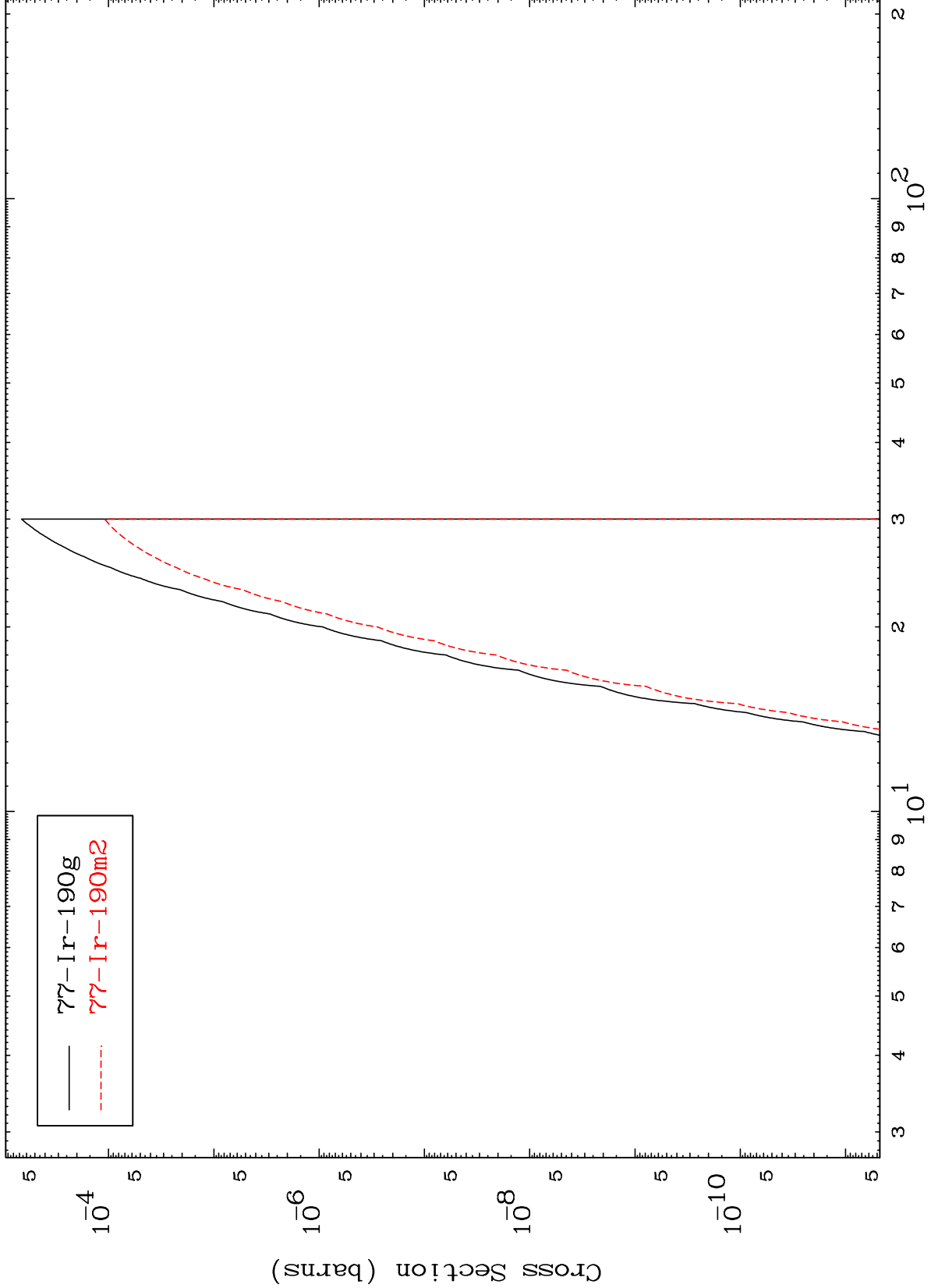
100

MAT 7910

(n,He-3)

79-Au-192

Radionuclide Production Cross Section



—  $^{77}\text{Ir-190g}$   
- - -  $^{77}\text{Ir-190m2}$

101

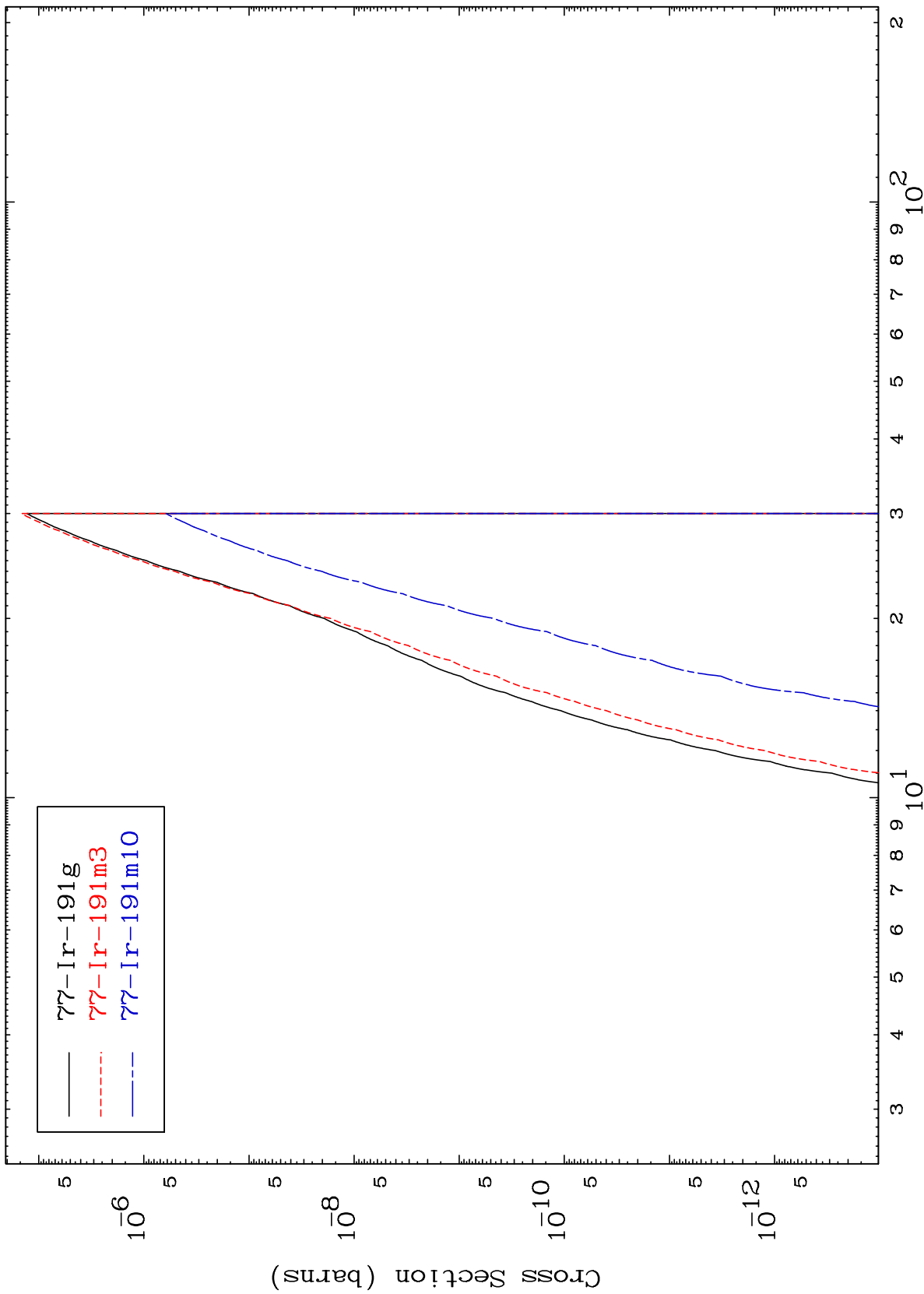
Incident Energy (MeV)

79-Au-192

MAT 7910

79-Au-192

(n,2p)  
Radionuclide Production Cross Section



—  $^{77}\text{Ir-191g}$   
- - -  $^{77}\text{Ir-191m3}$   
- · -  $^{77}\text{Ir-191m10}$

102

Incident Energy (MeV)

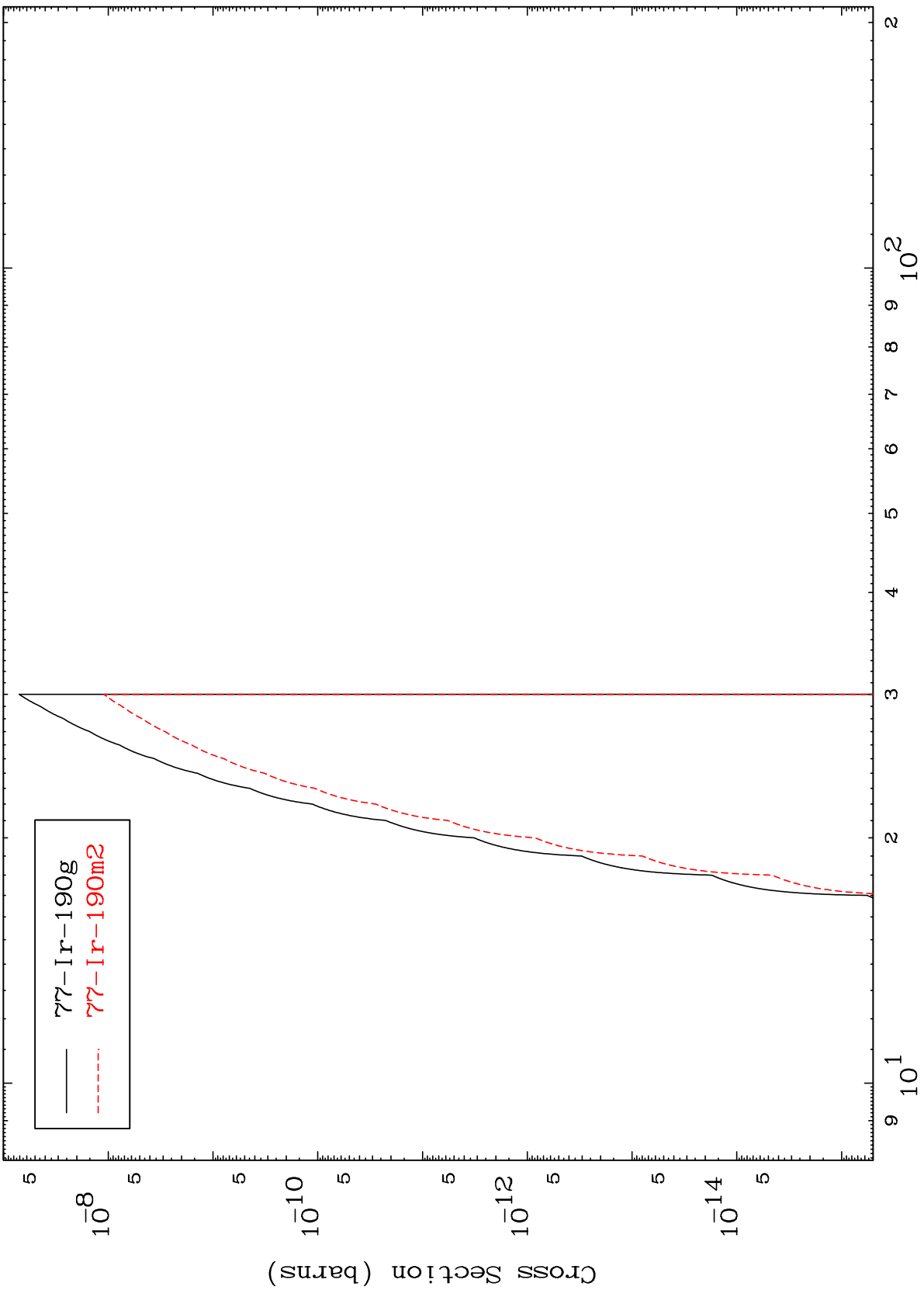
79-Au-192

MAT 7910

(n,p) d

79-Au-192

Radionuclide Production Cross Section



—  $^{77}\text{Ir-190g}$   
- - -  $^{77}\text{Ir-190m2}$

103

Incident Energy (MeV)

79-Au-192