

Program EVALPLOT  
(Version 2018-1)

by

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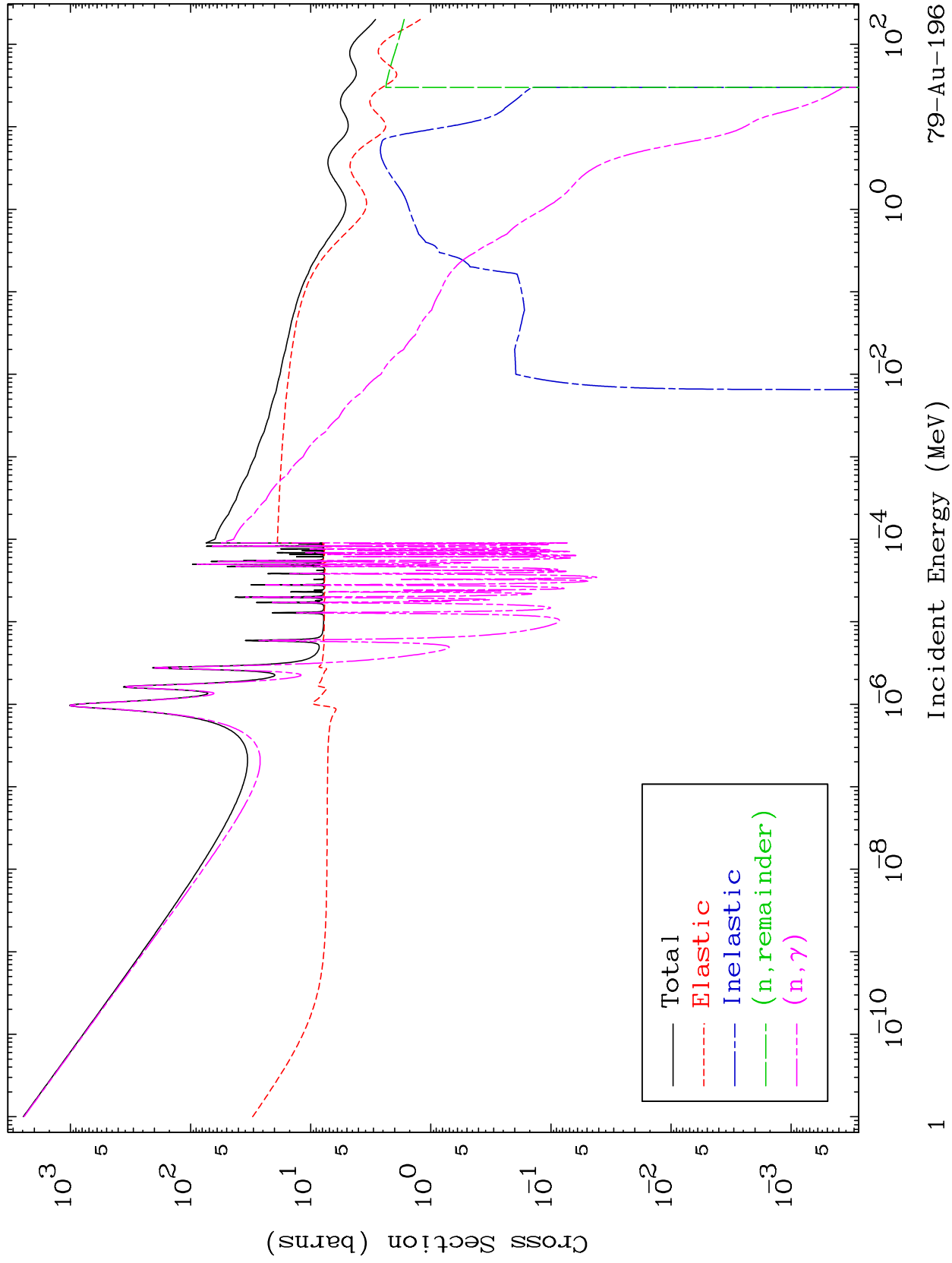
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 7922

Major  
293 Kelvin Cross Sections

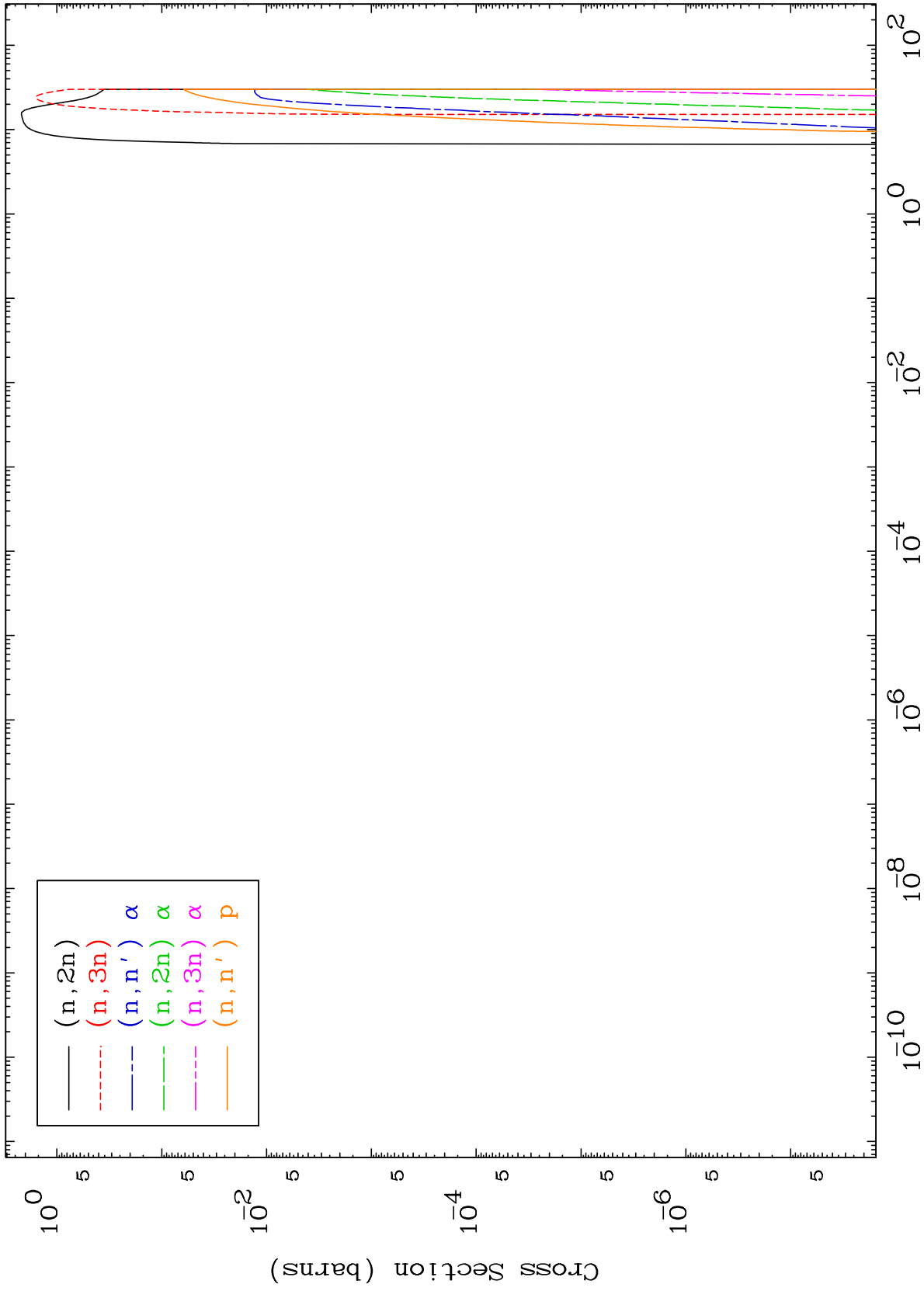
79-Au-196



MAT 7922

Neutron Production  
293 Kelvin Cross Sections

79-Au-196



2

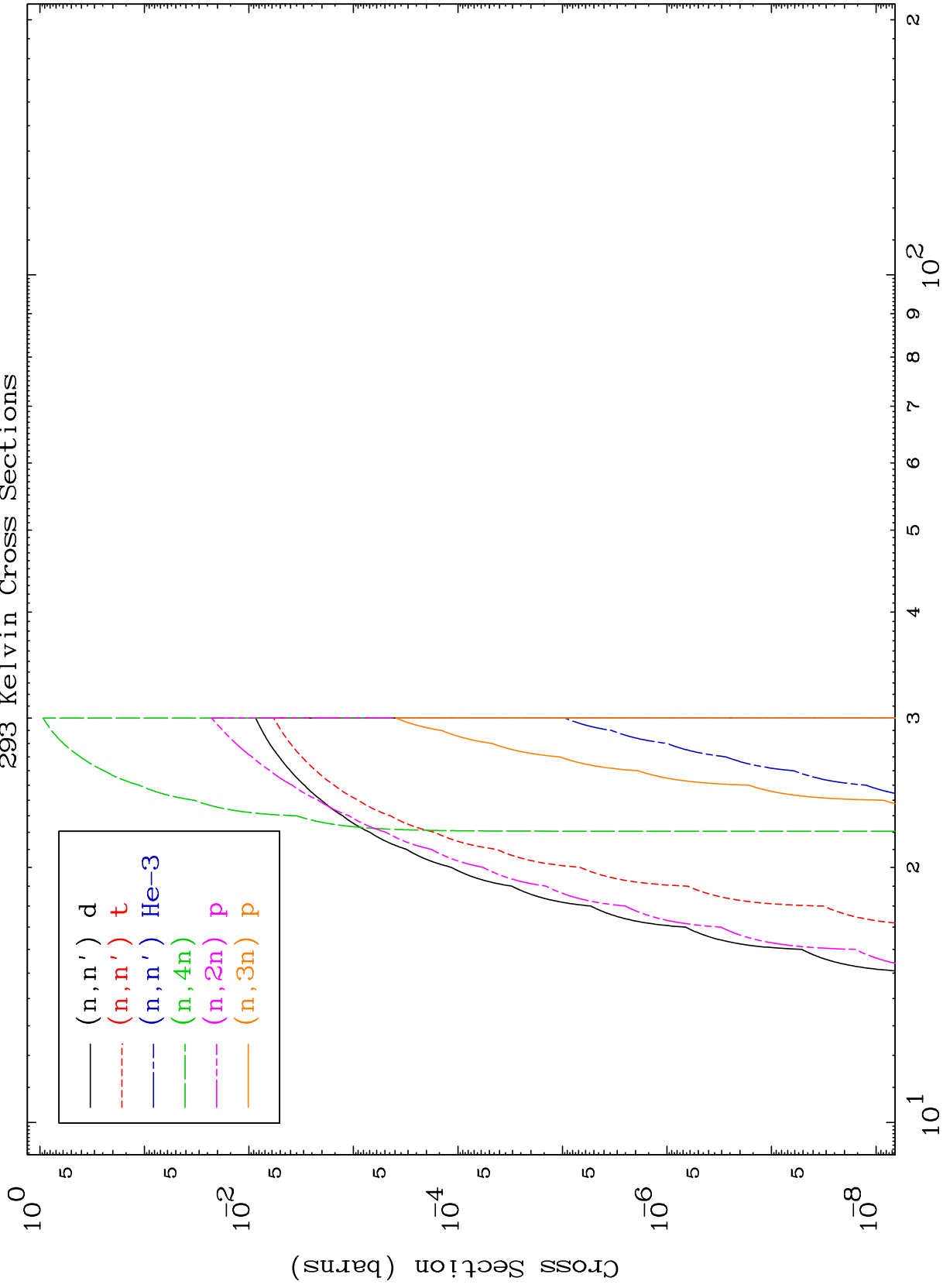
Incident Energy (MeV)

79-Au-196

MAT 7922

Neutron Production  
293 Kelvin Cross Sections

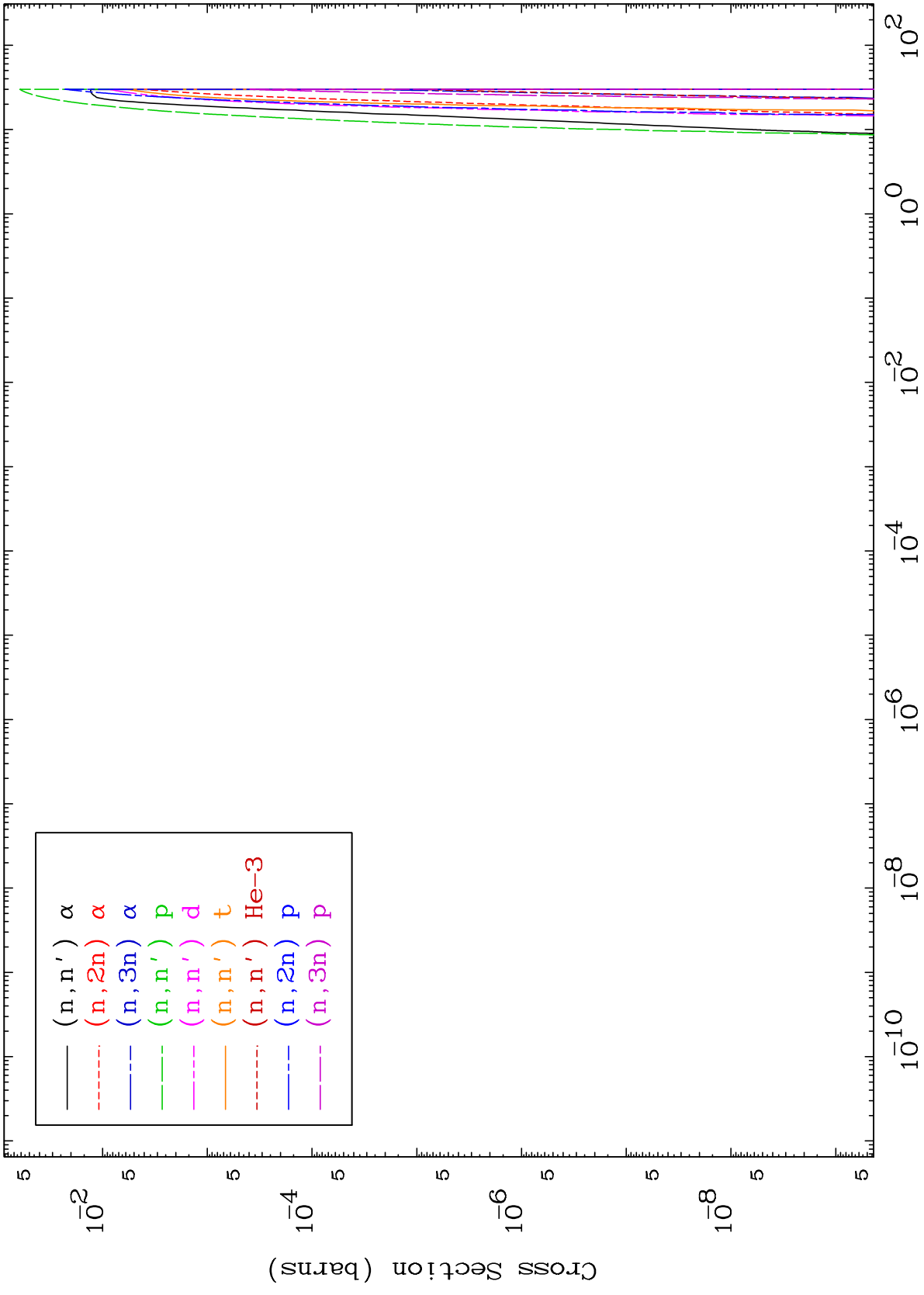
79-Au-196

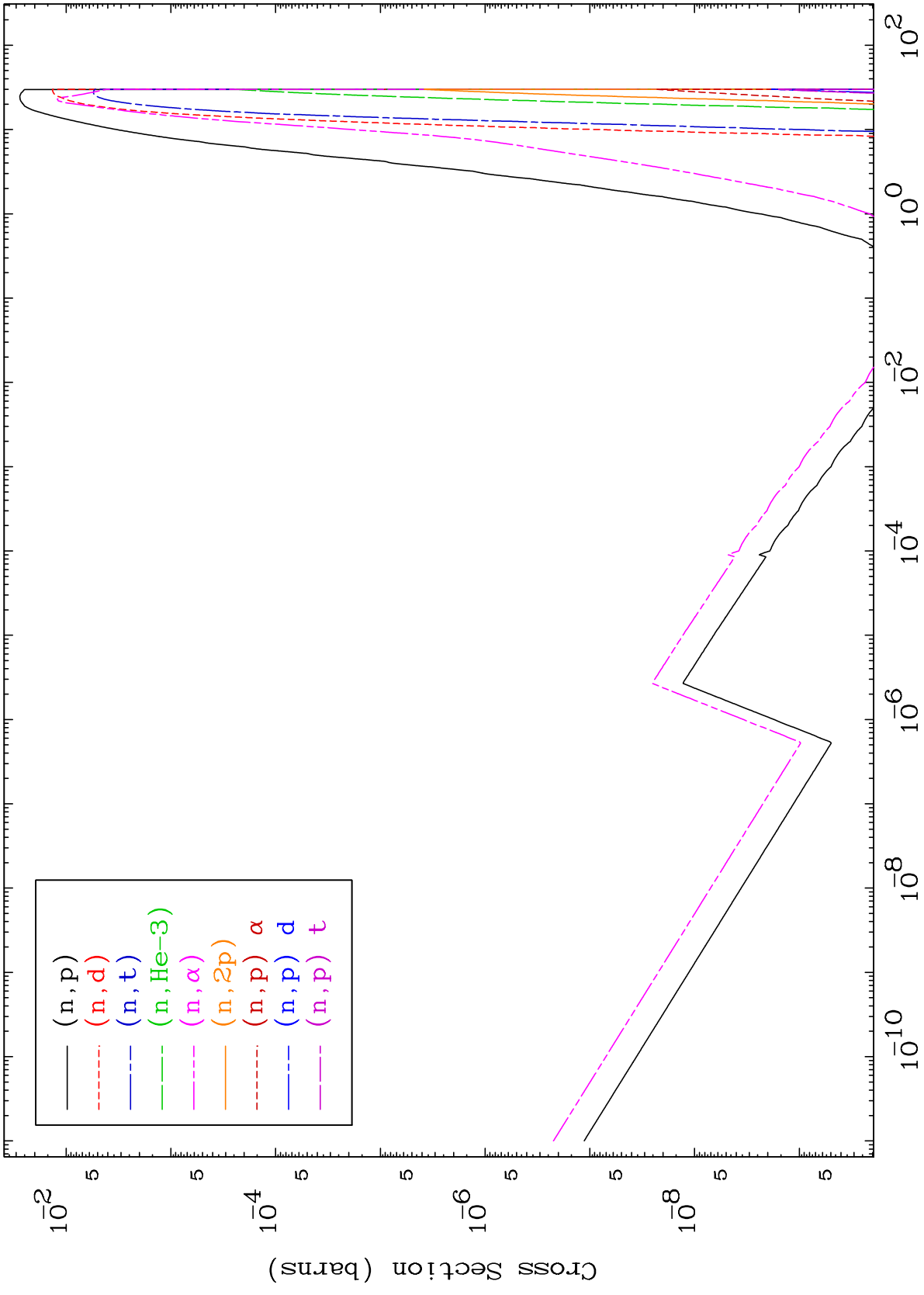


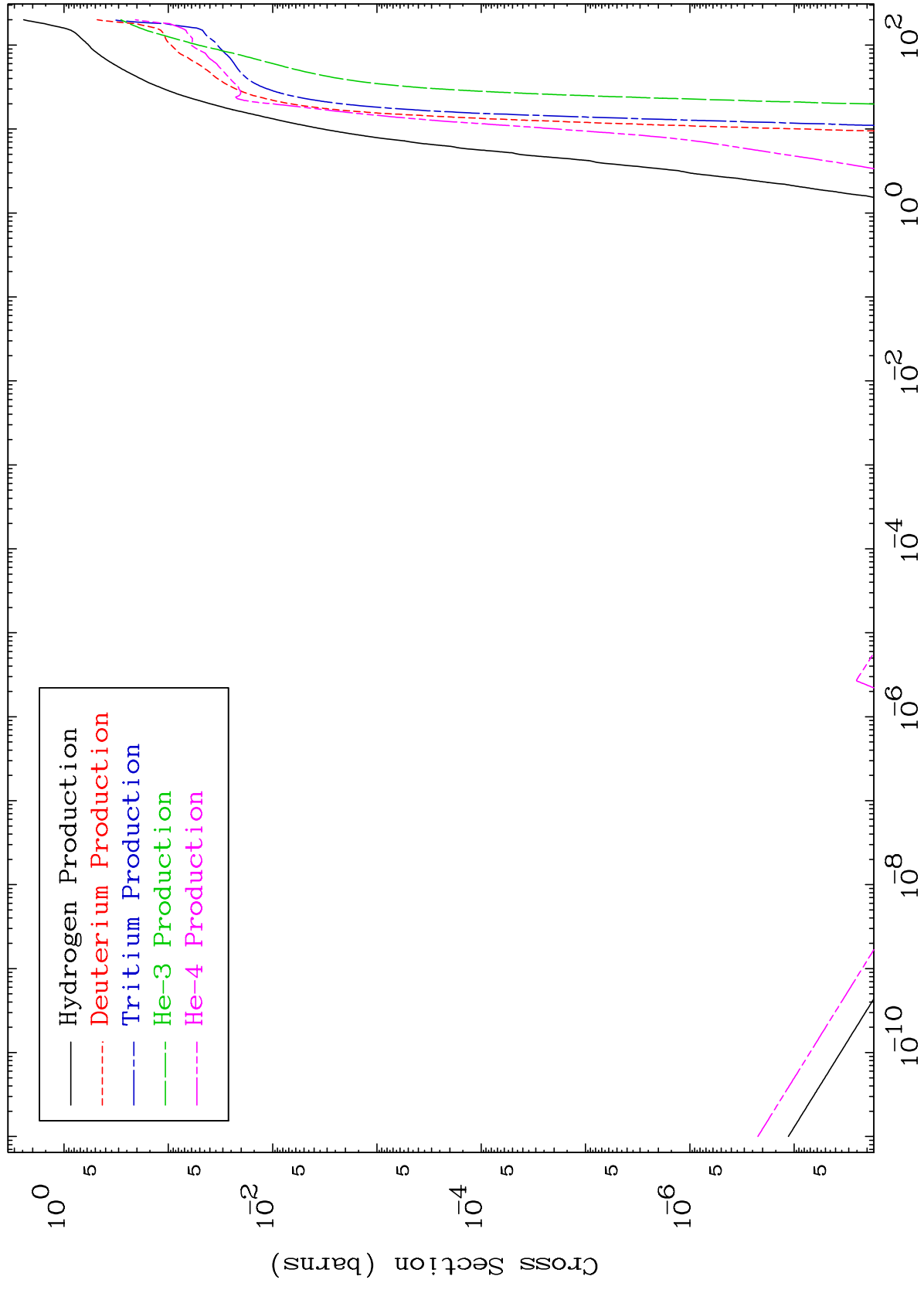
79-Au-196

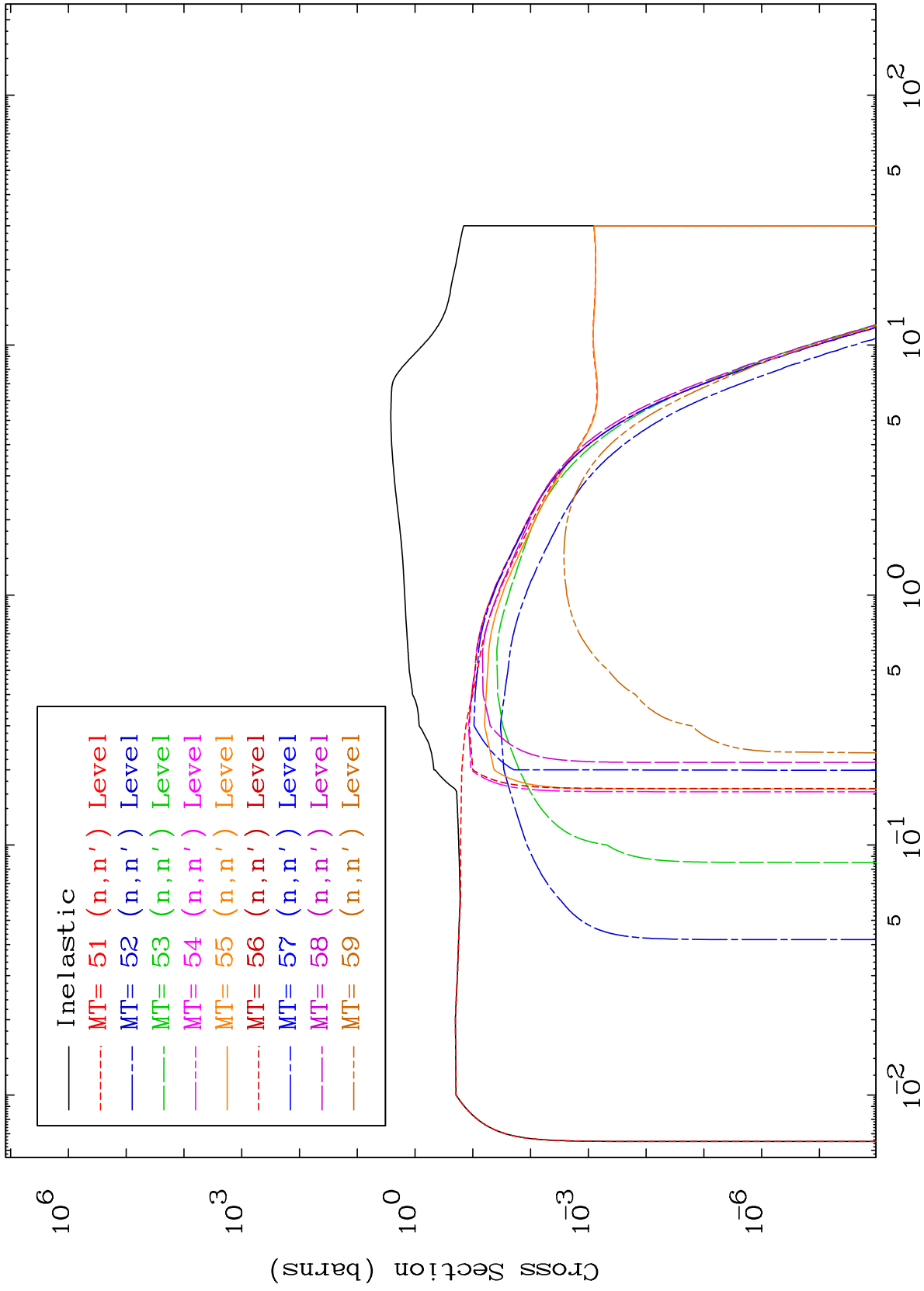
Incident Energy (MeV)

3







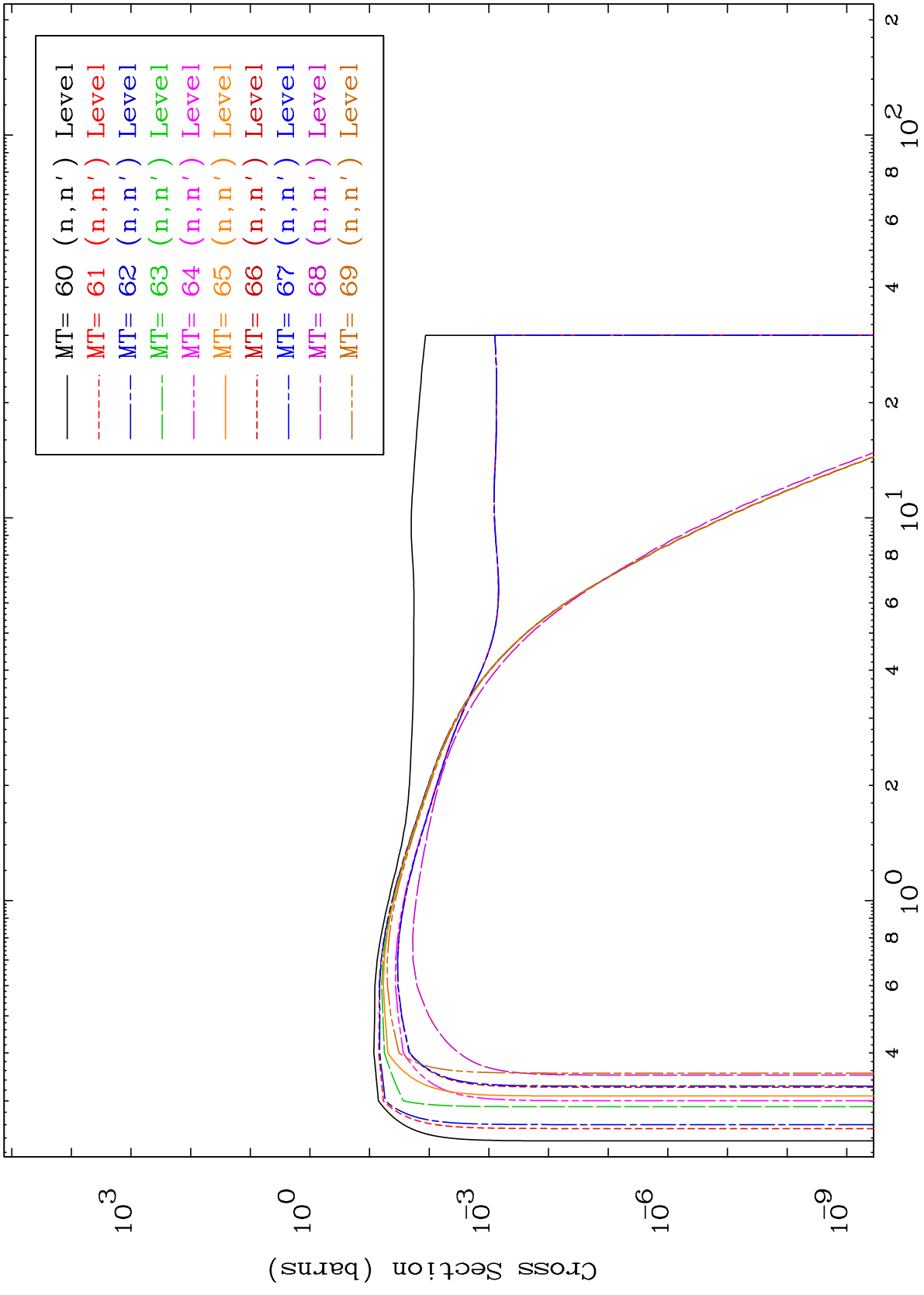




MAT 7922

(n,n') Level  
293 Kelvin Cross Sections

79-Au-196



8

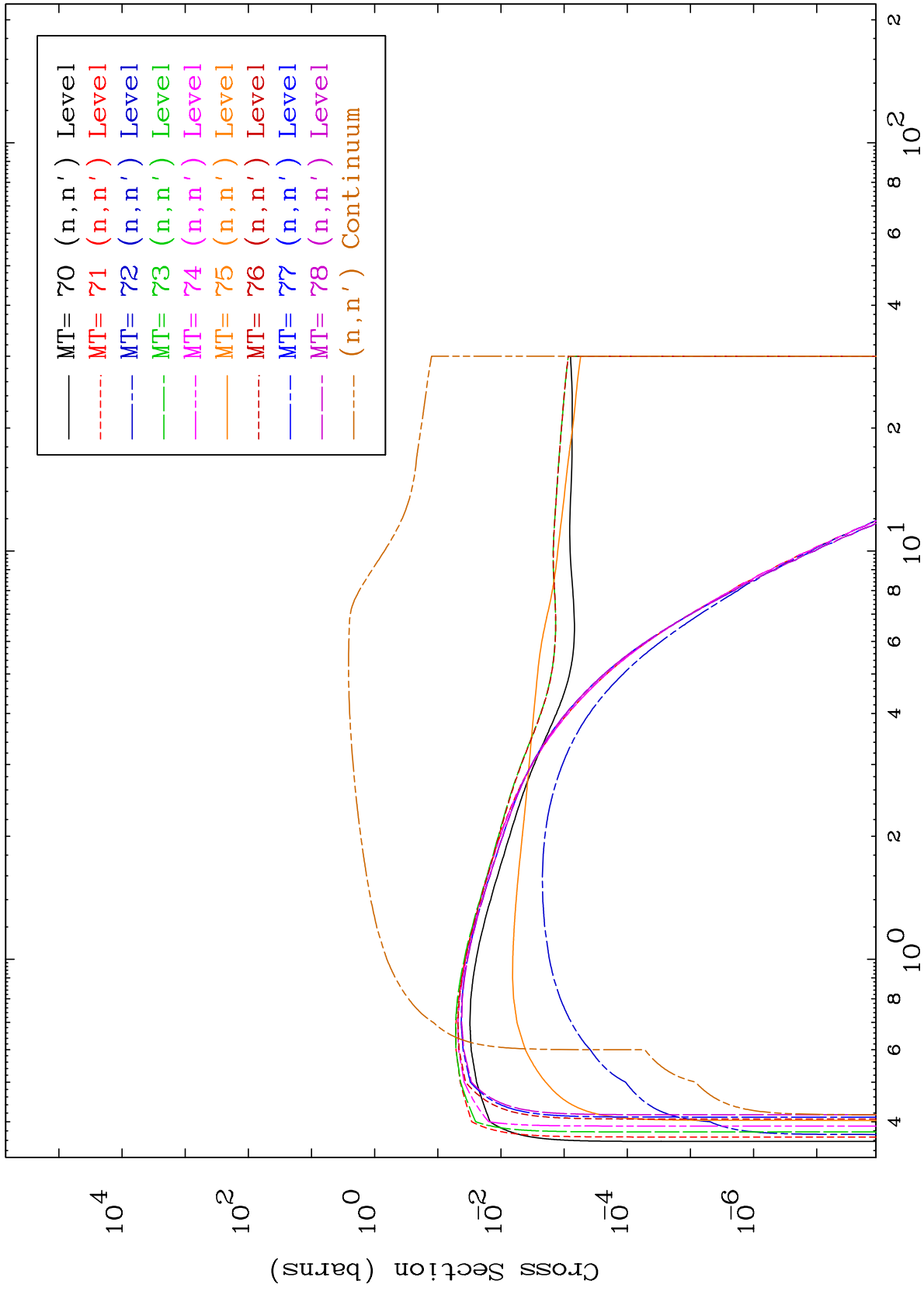
Incident Energy (MeV)

79-Au-196

MAT 7922

(n,n') Level  
293 Kelvin Cross Sections

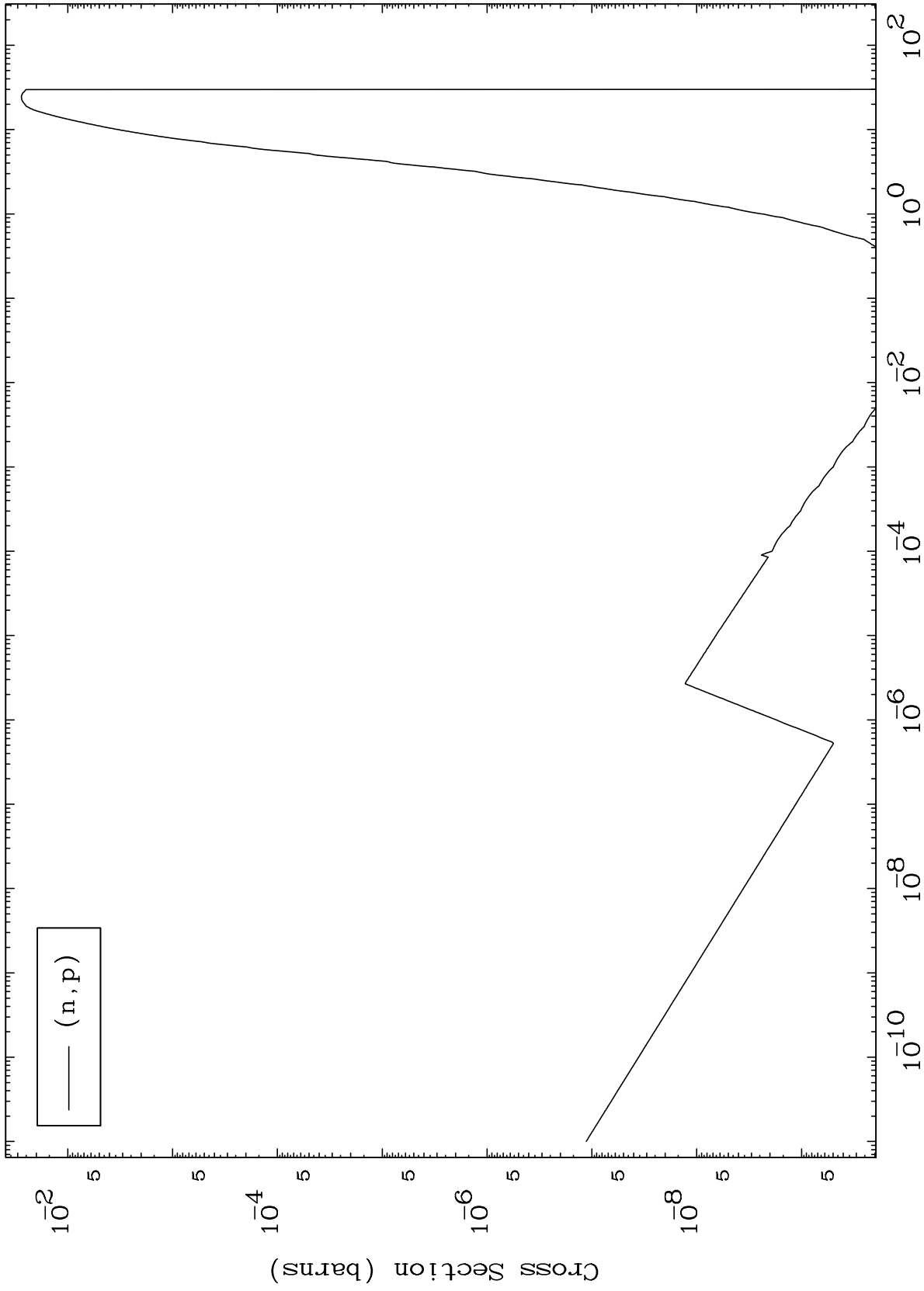
79-Au-196



MAT 7922

(n,p) Levels  
293 Kelvin Cross Sections

79-Au-196



10

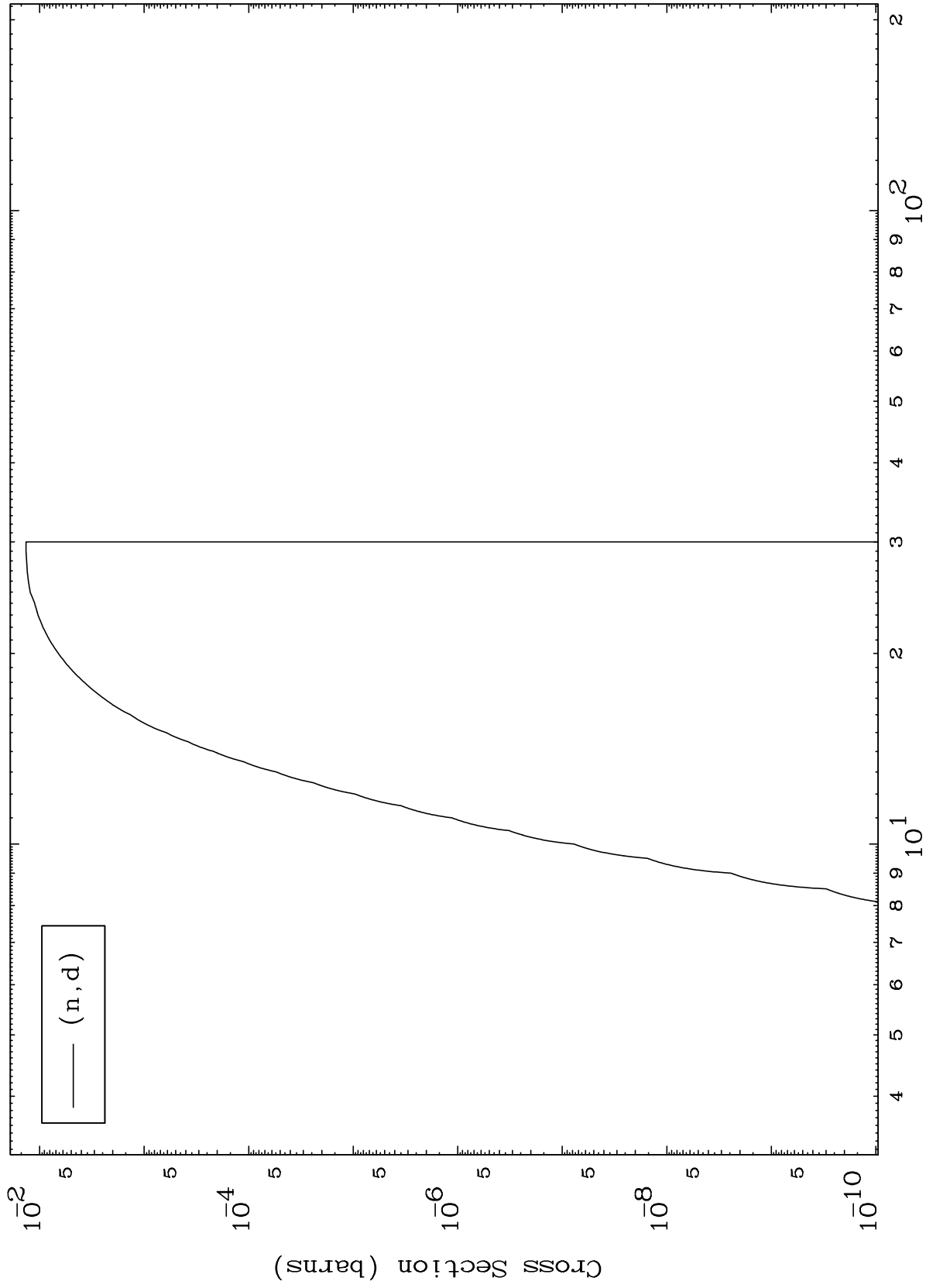
Incident Energy (MeV)

79-Au-196

MAT 7922

(n,d) Levels  
293 Kelvin Cross Sections

79-Au-196



11

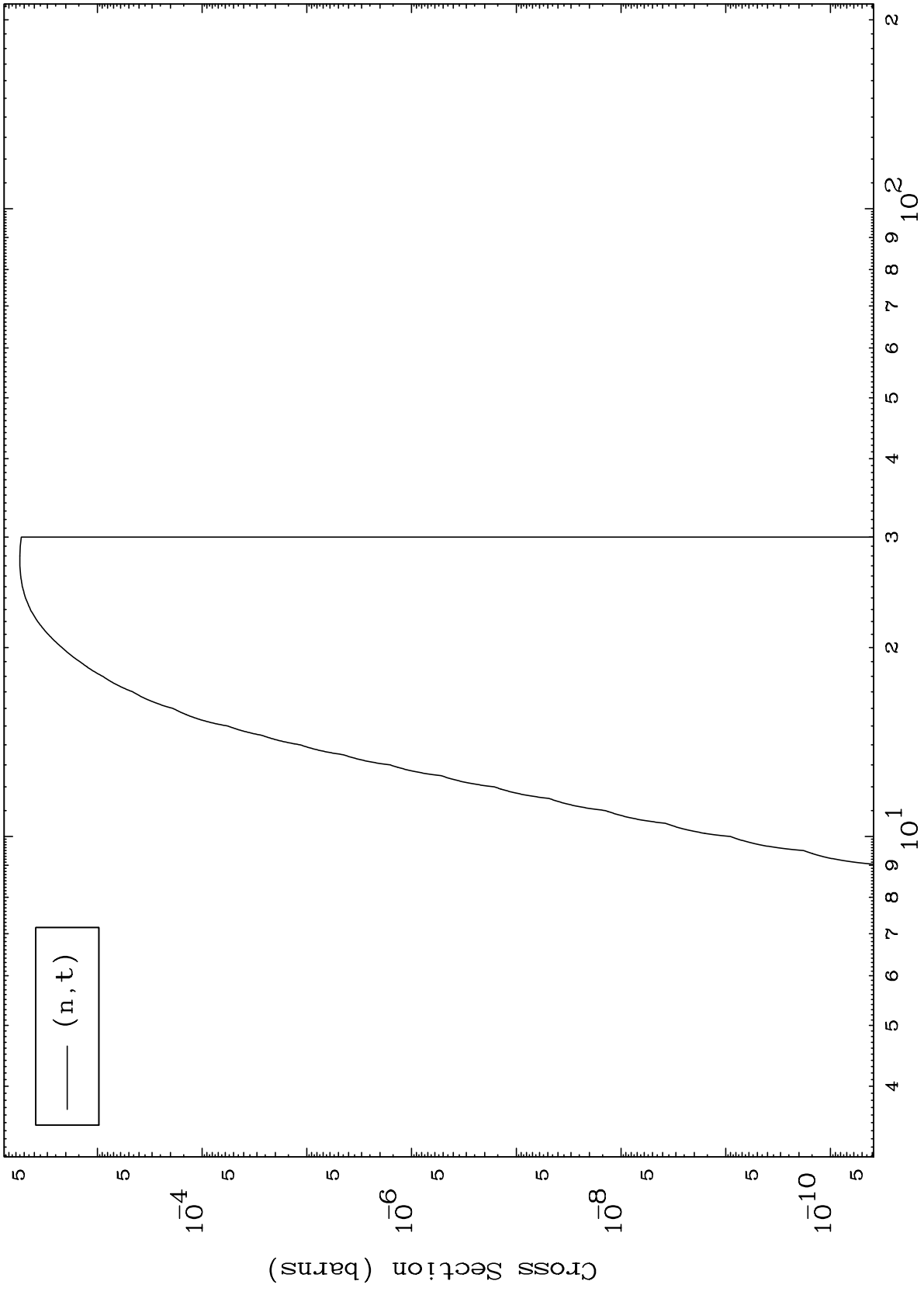
Incident Energy (MeV)

79-Au-196

MAT 7922

(n,t) Levels  
293 Kelvin Cross Sections

79-Au-196



12

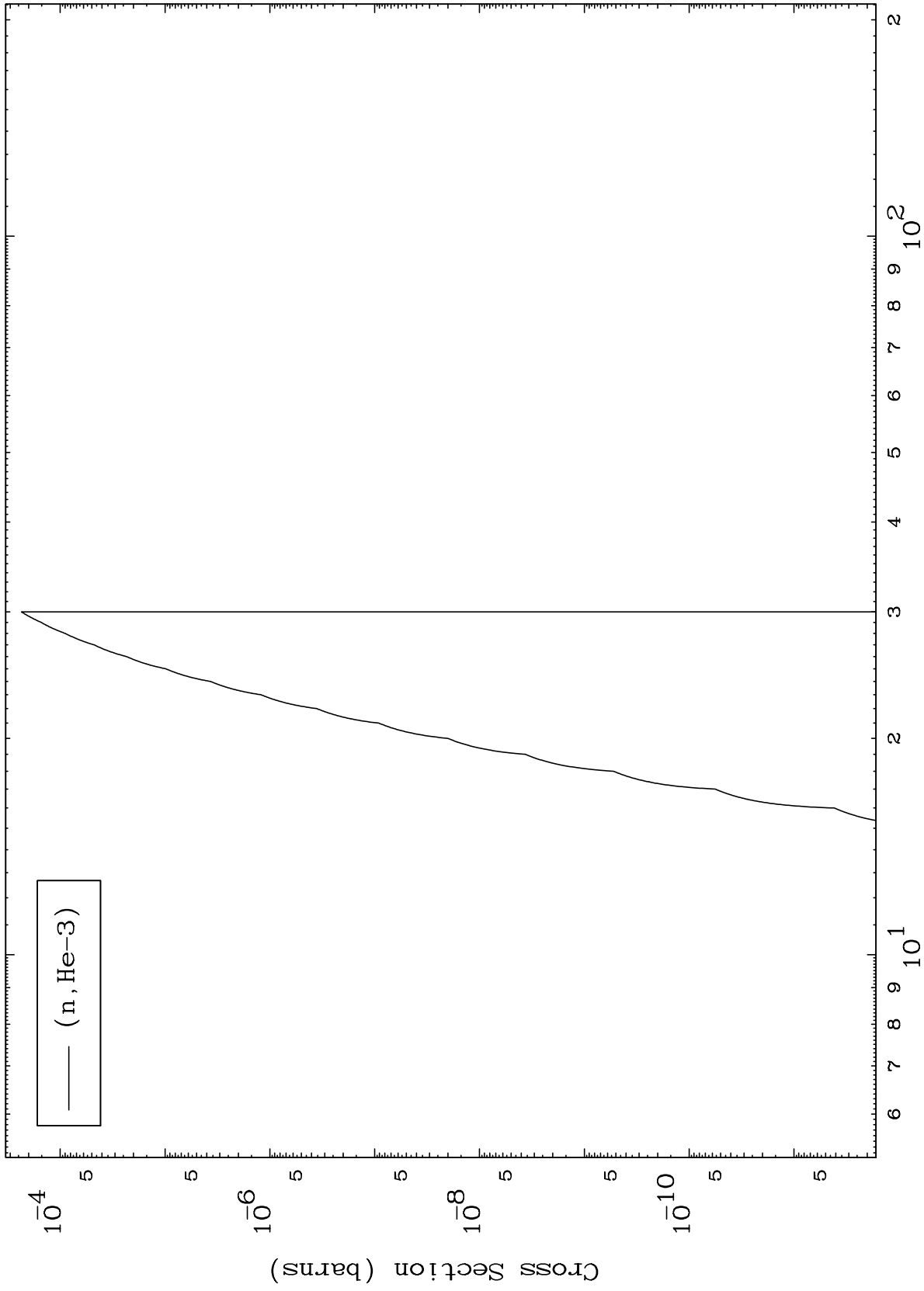
Incident Energy (MeV)

79-Au-196

MAT 7922

(n,He3) Levels  
293 Kelvin Cross Sections

79-Au-196



13

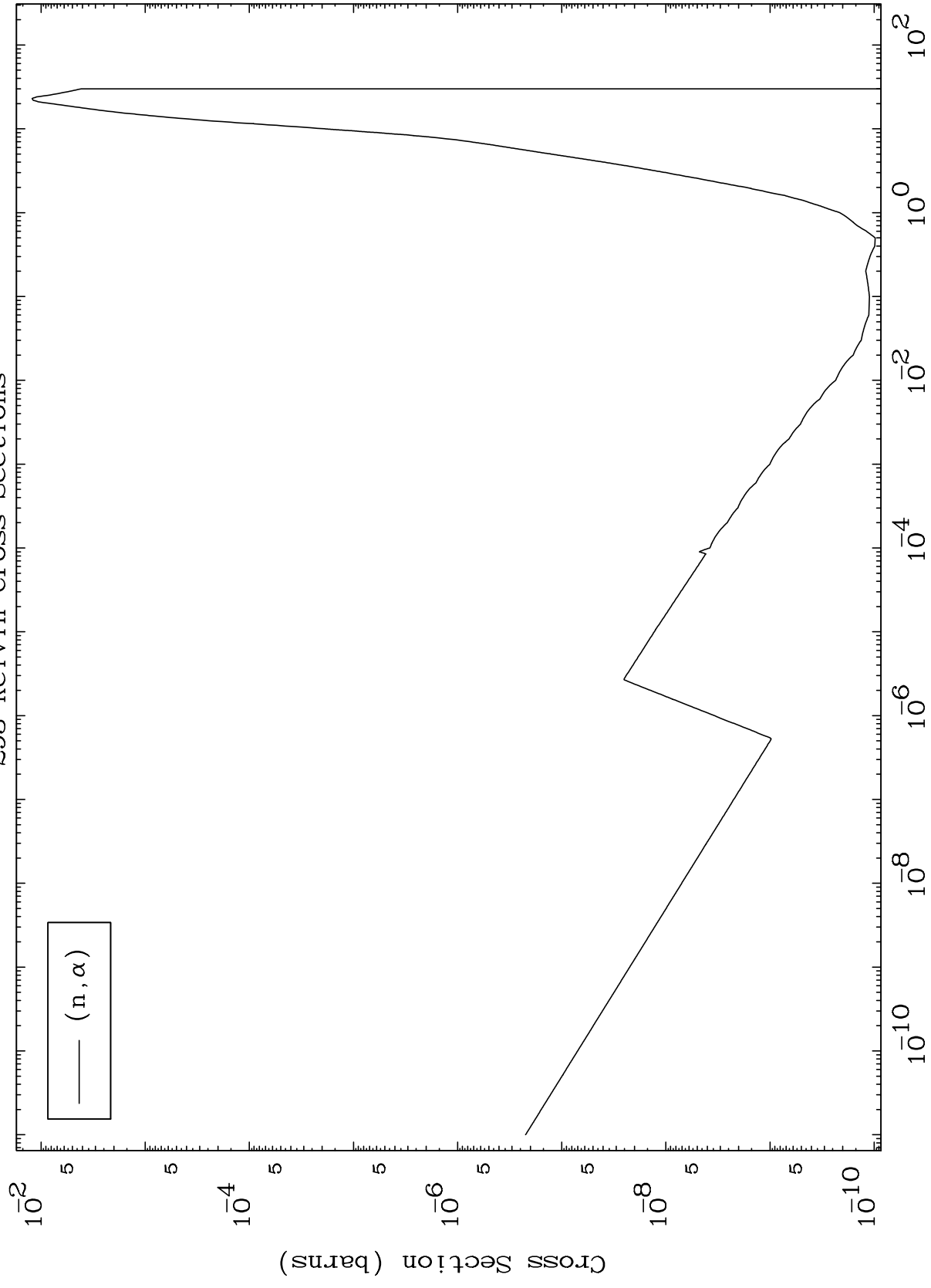
Incident Energy (MeV)

79-Au-196

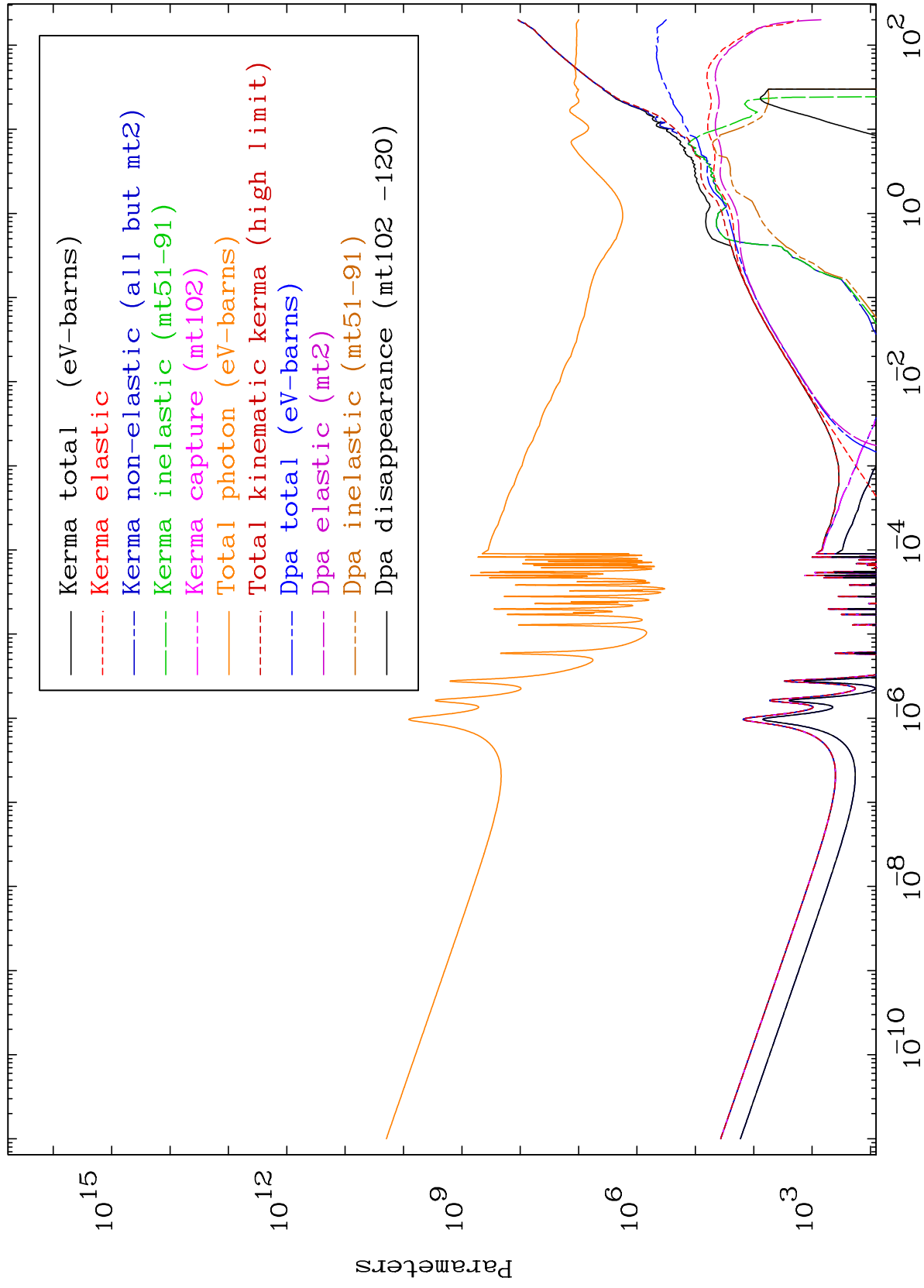
MAT 7922

(n,α) Levels  
293 Kelvin Cross Sections

79-Au-196



79-Au-196

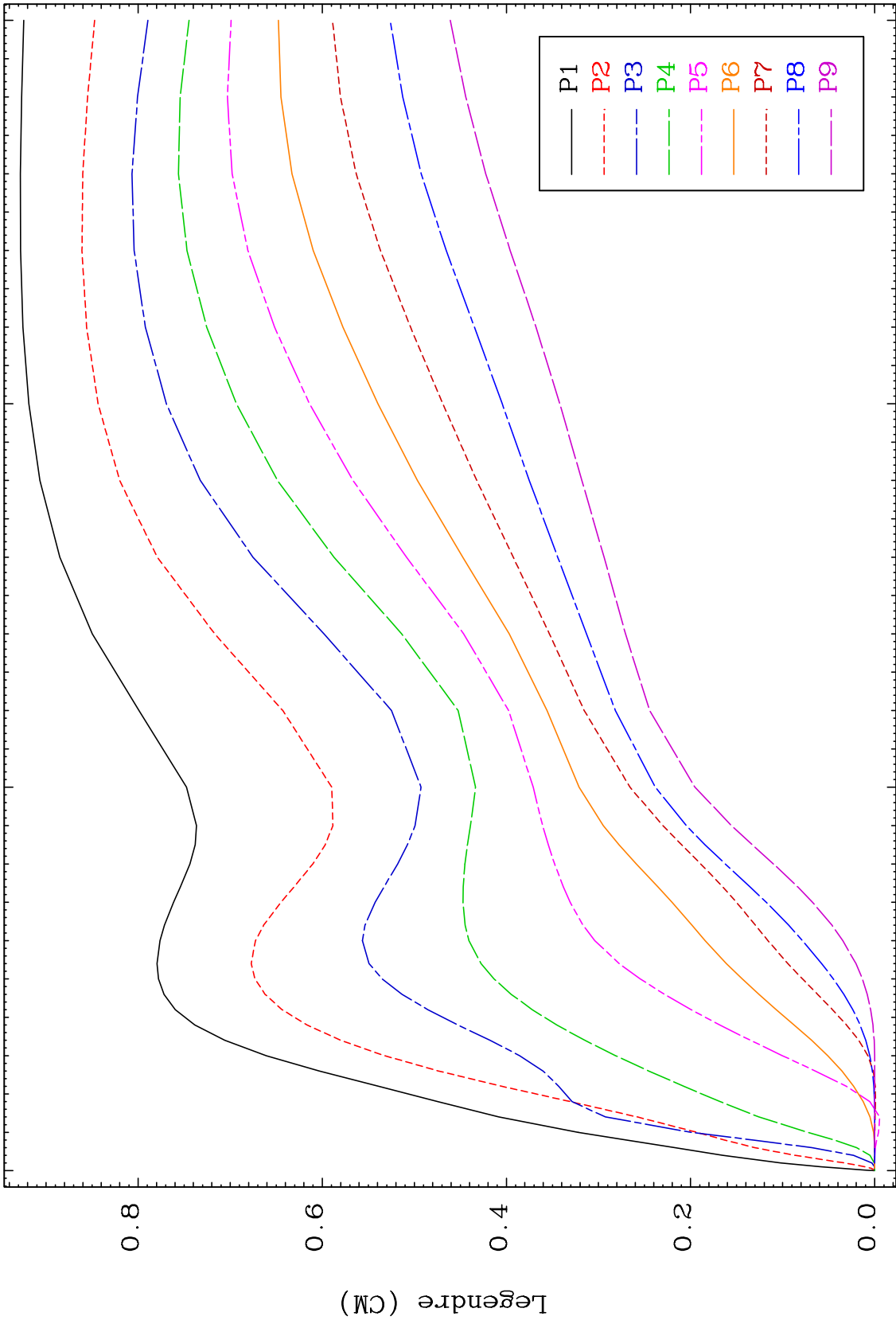




MAT 7922

Elastic Legendre Coefficients

<sup>79</sup>Au-<sup>196</sup>



16

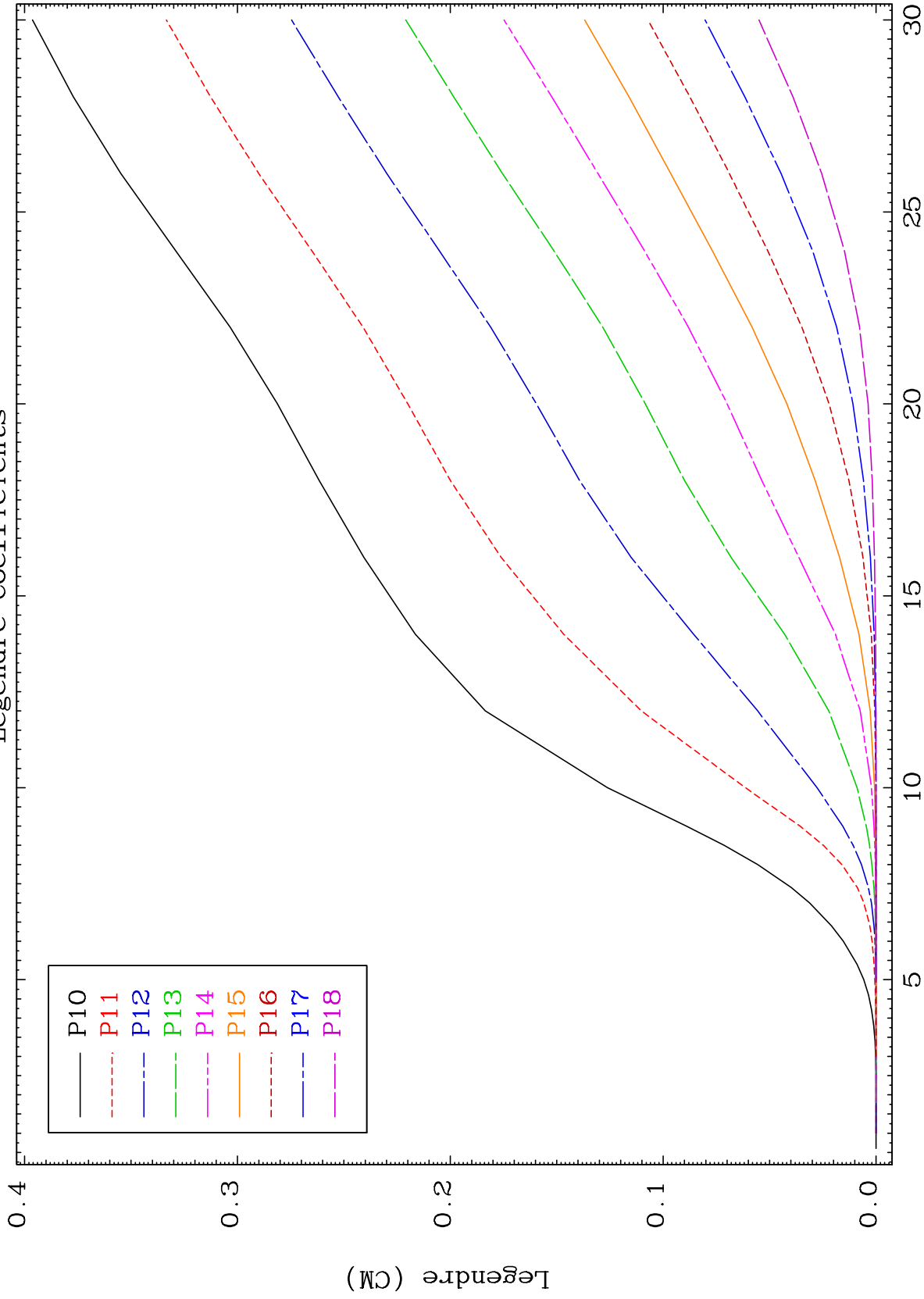
Incident Energy (MeV)

<sup>79</sup>Au-<sup>196</sup>

MAT 7922

Elastic Legendre Coefficients

79-Au-196



17

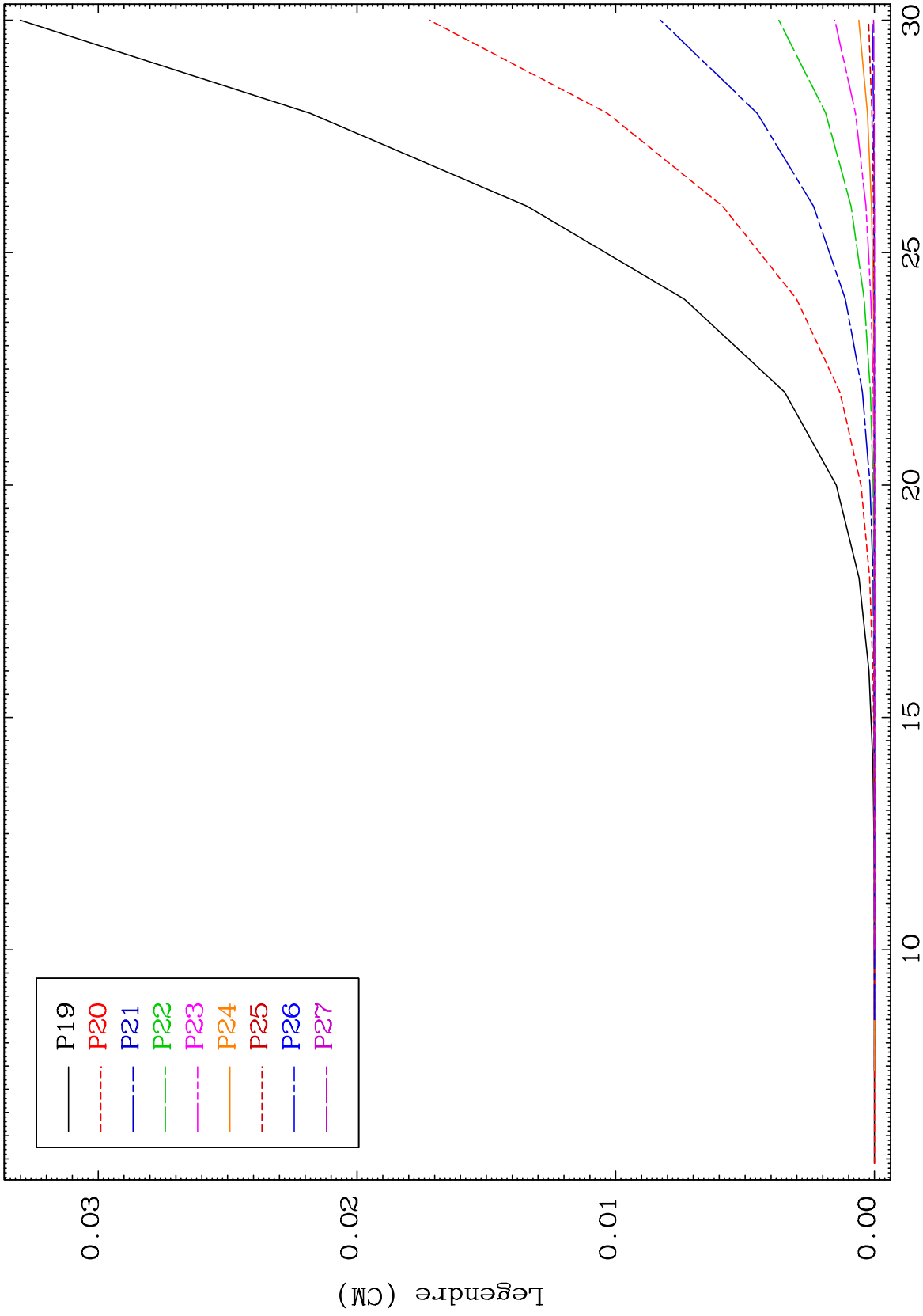
Incident Energy (MeV)

79-Au-196

MAT 7922

### Elastic Legendre Coefficients

79-Au-196



18

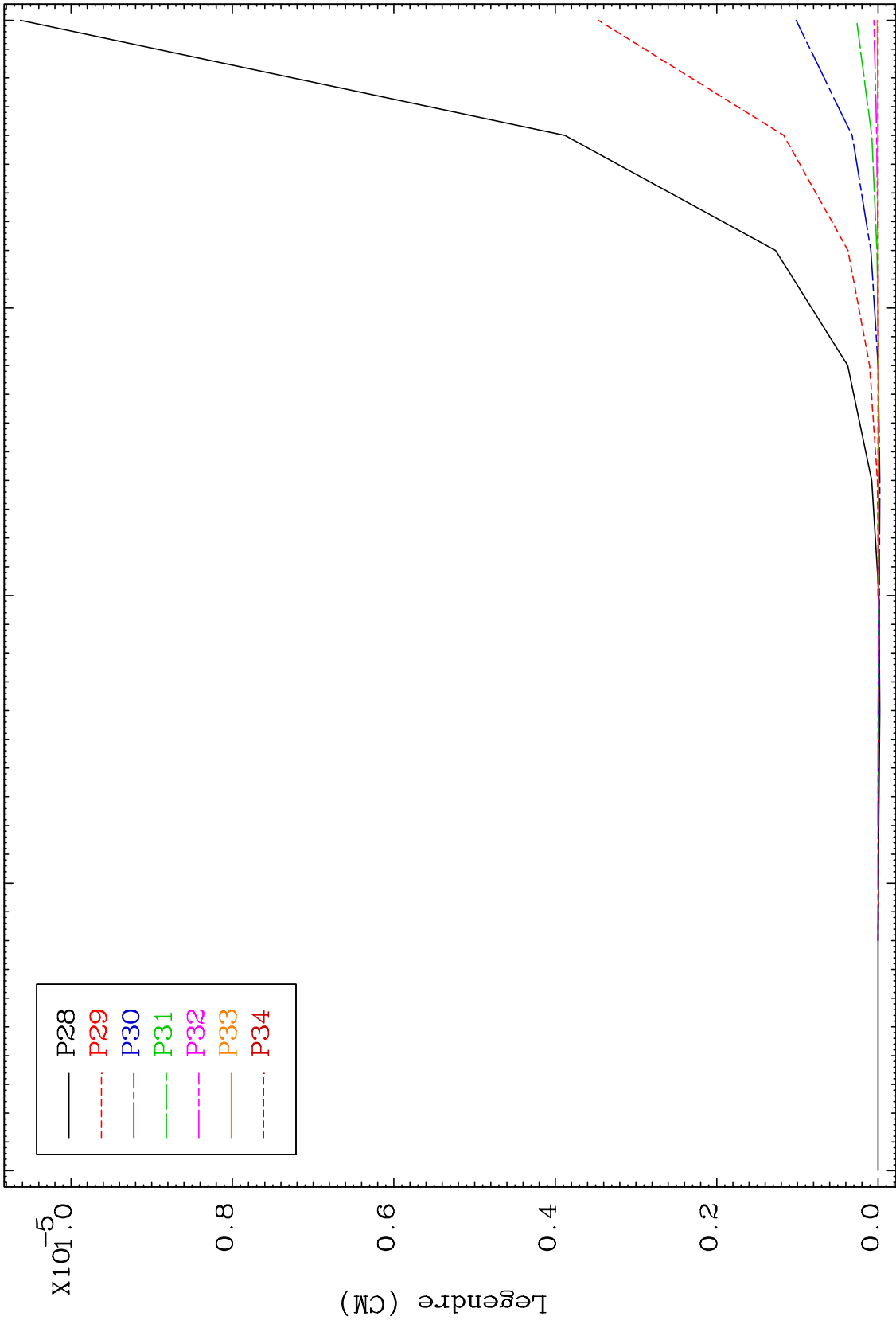
Incident Energy (MeV)

79-Au-196

MAT 7922

Elastic Legendre Coefficients

79-Au-196



19

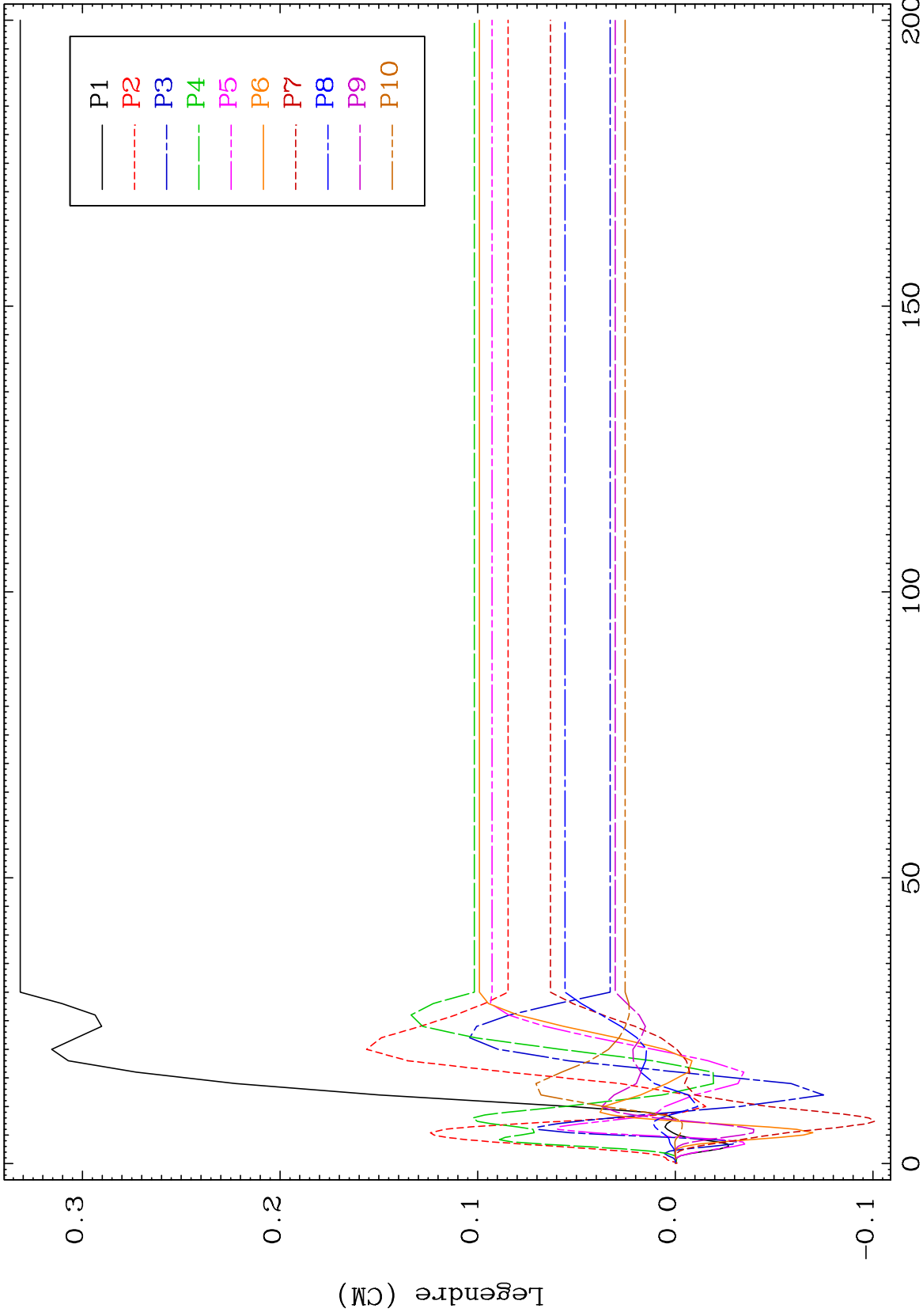
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



79-Au-196

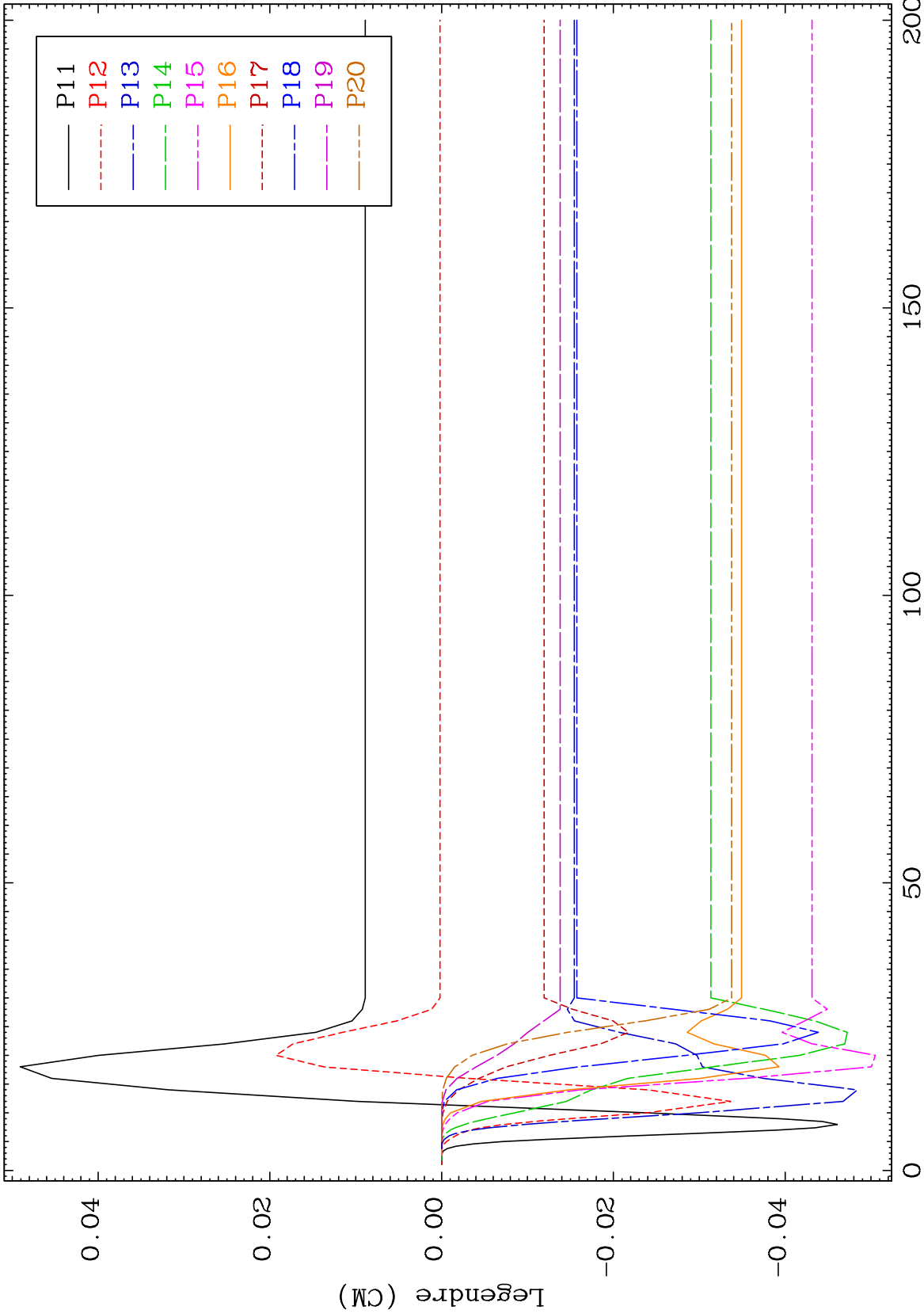
Incident Energy (MeV)

20

MAT 7922

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

79-Au-196



21

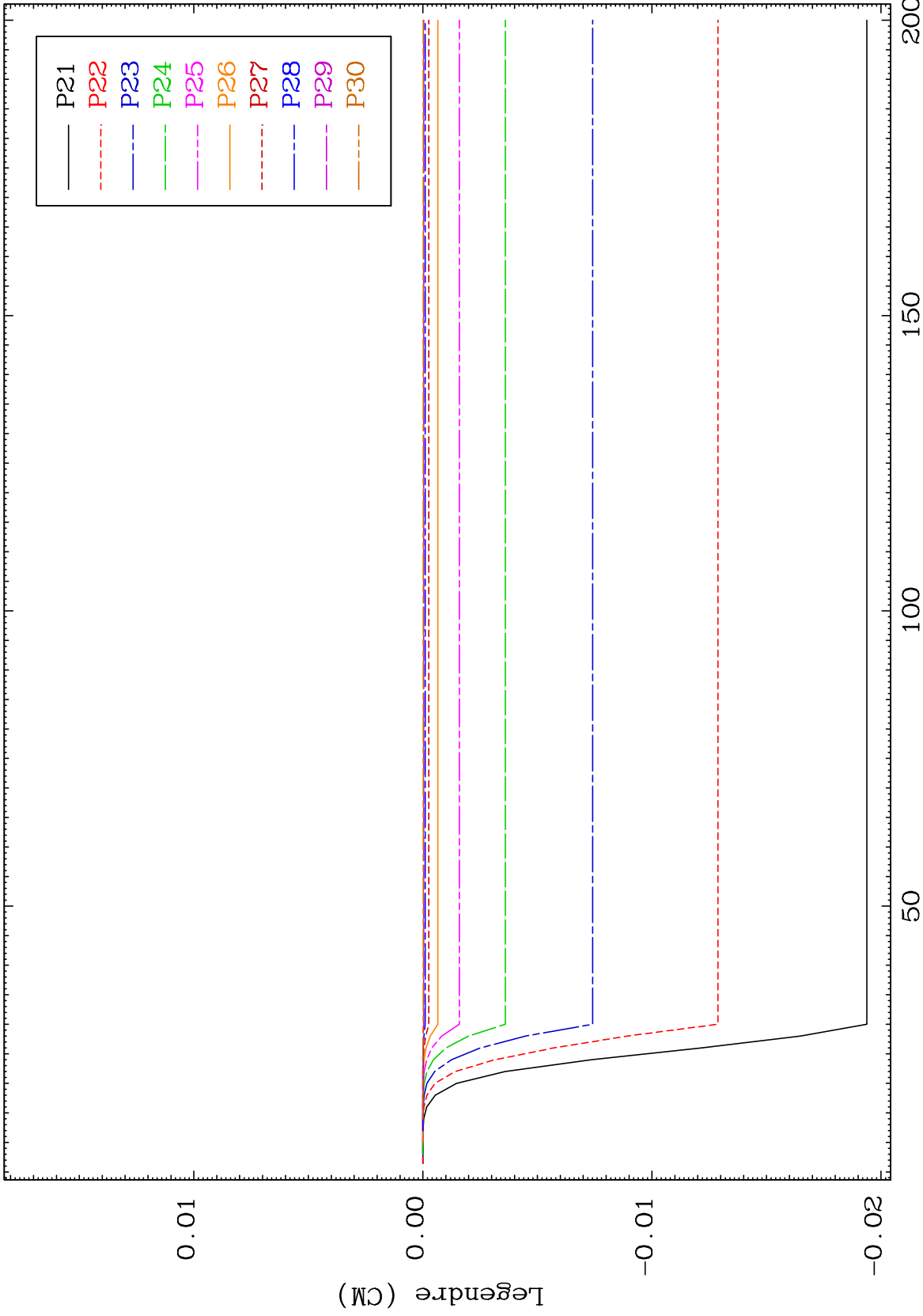
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



22

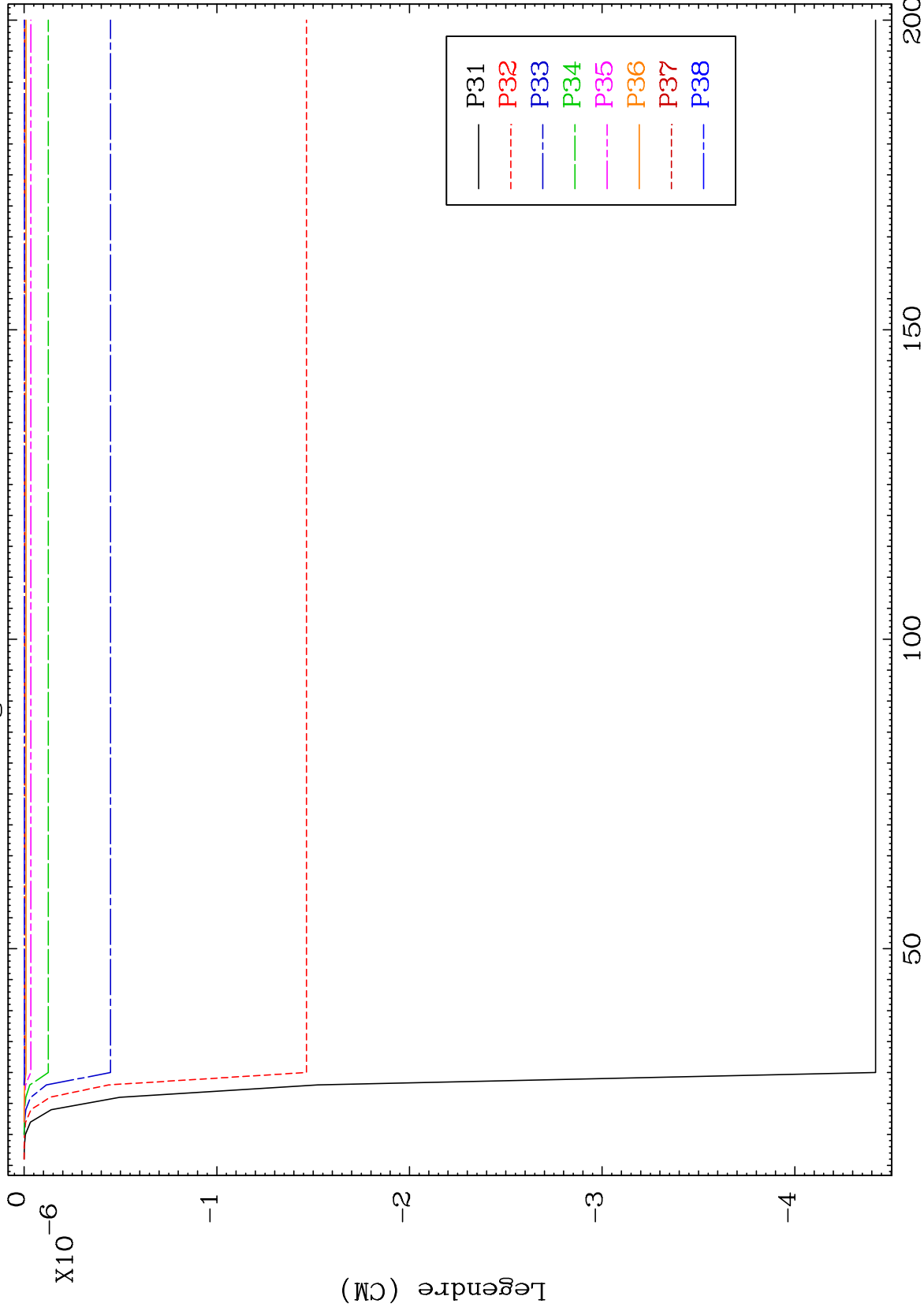
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



23

Incident Energy (MeV)

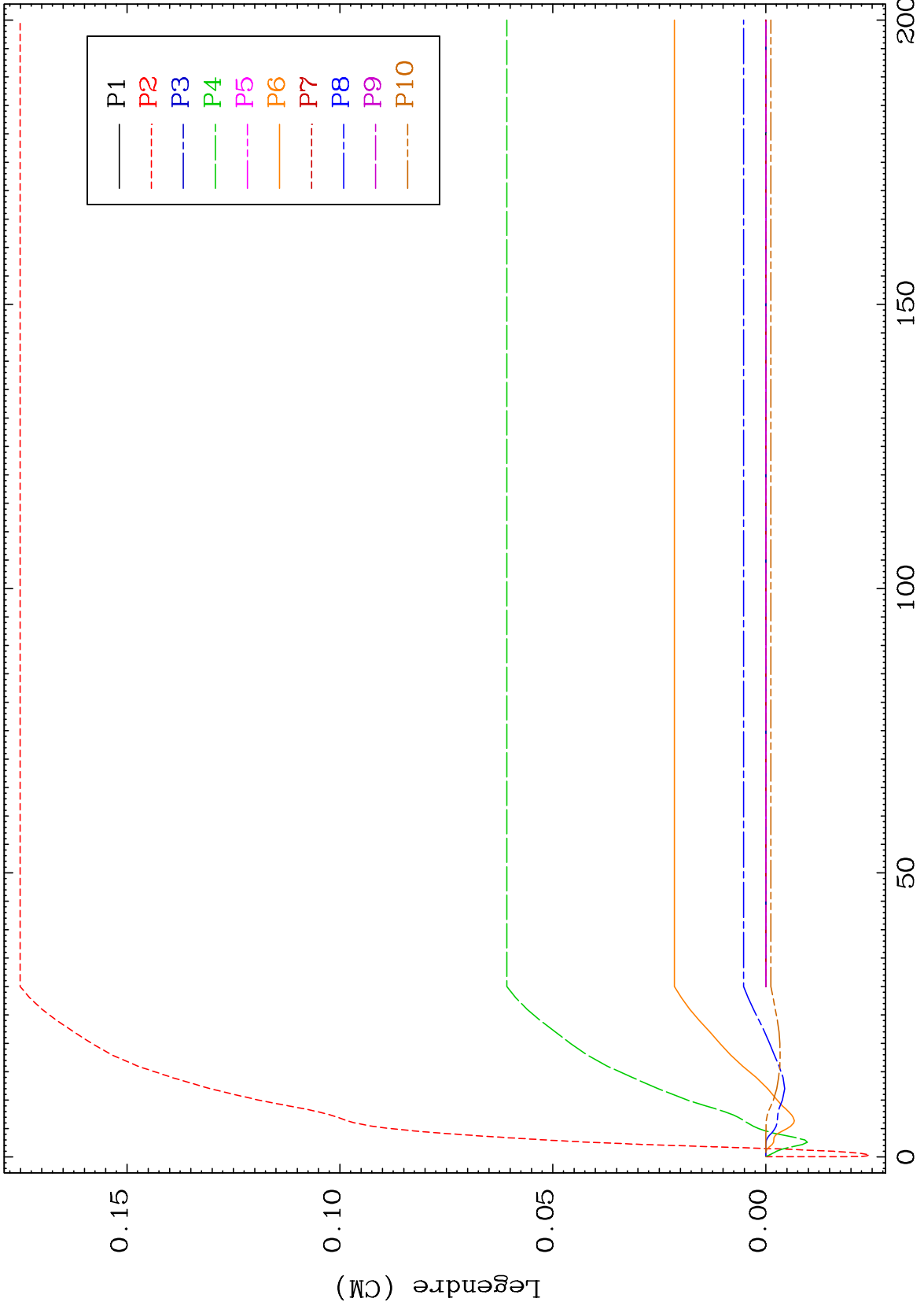
79-Au-196



MAT 7922

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

79-Au-196



24

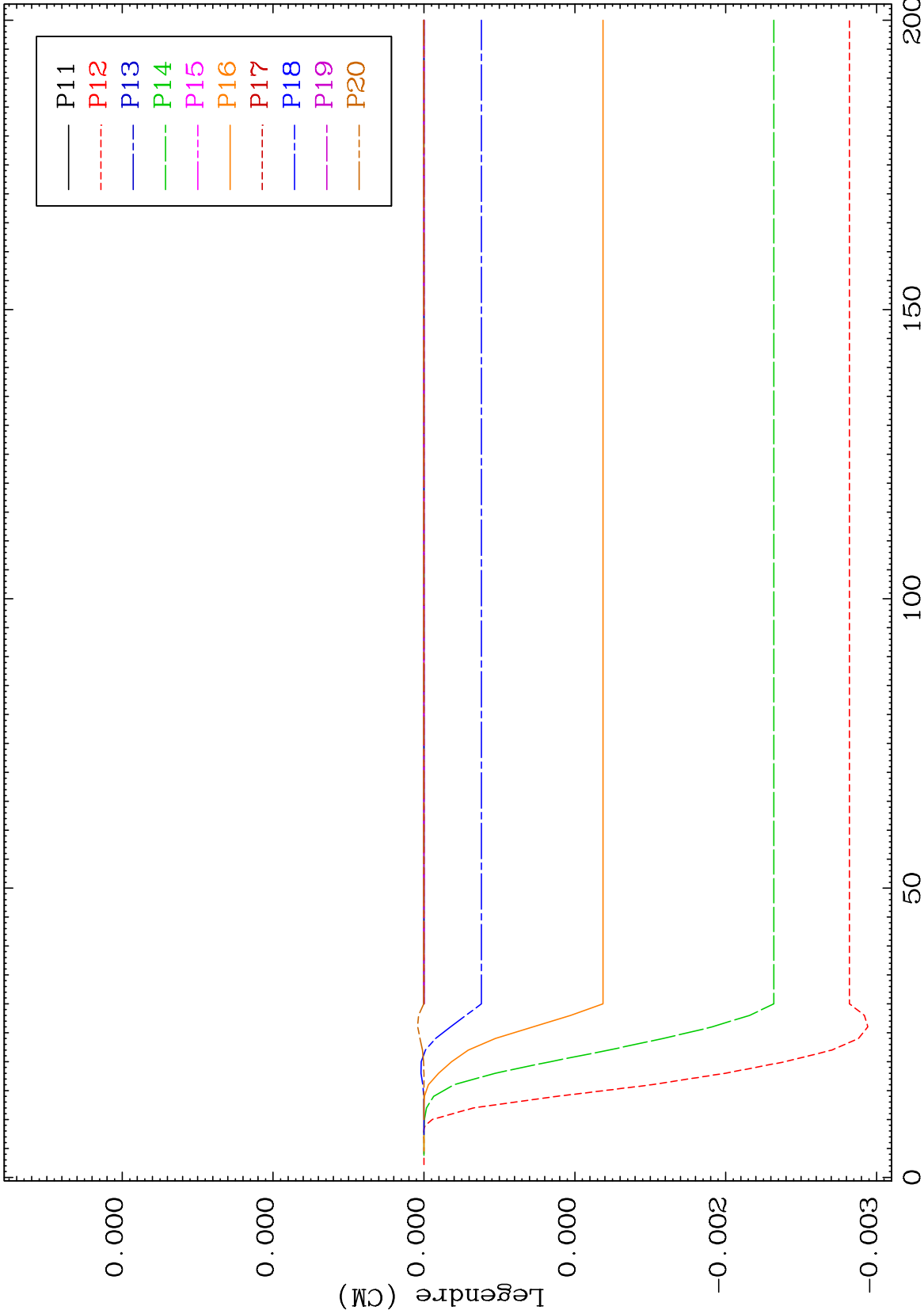
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



25

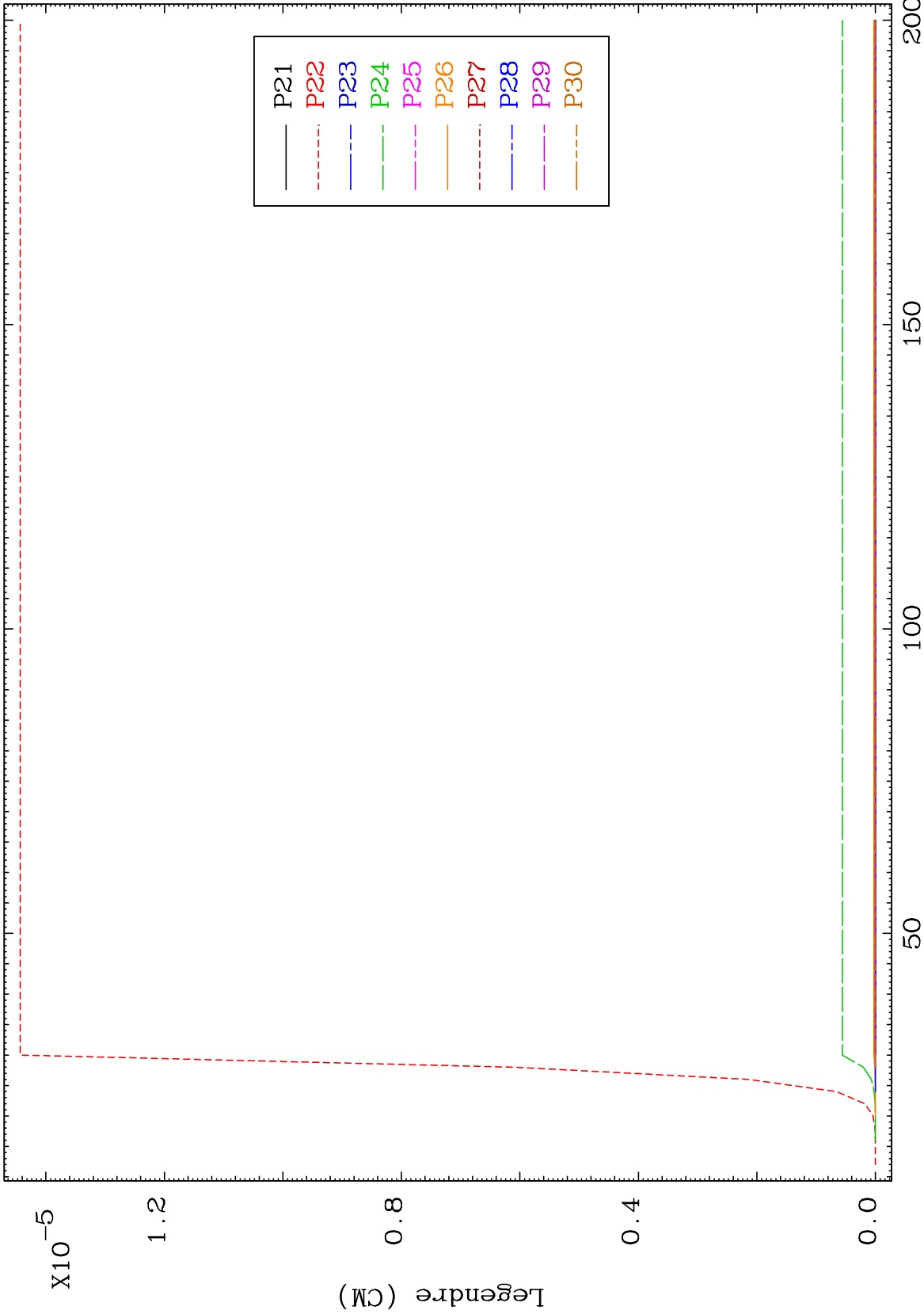
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



26

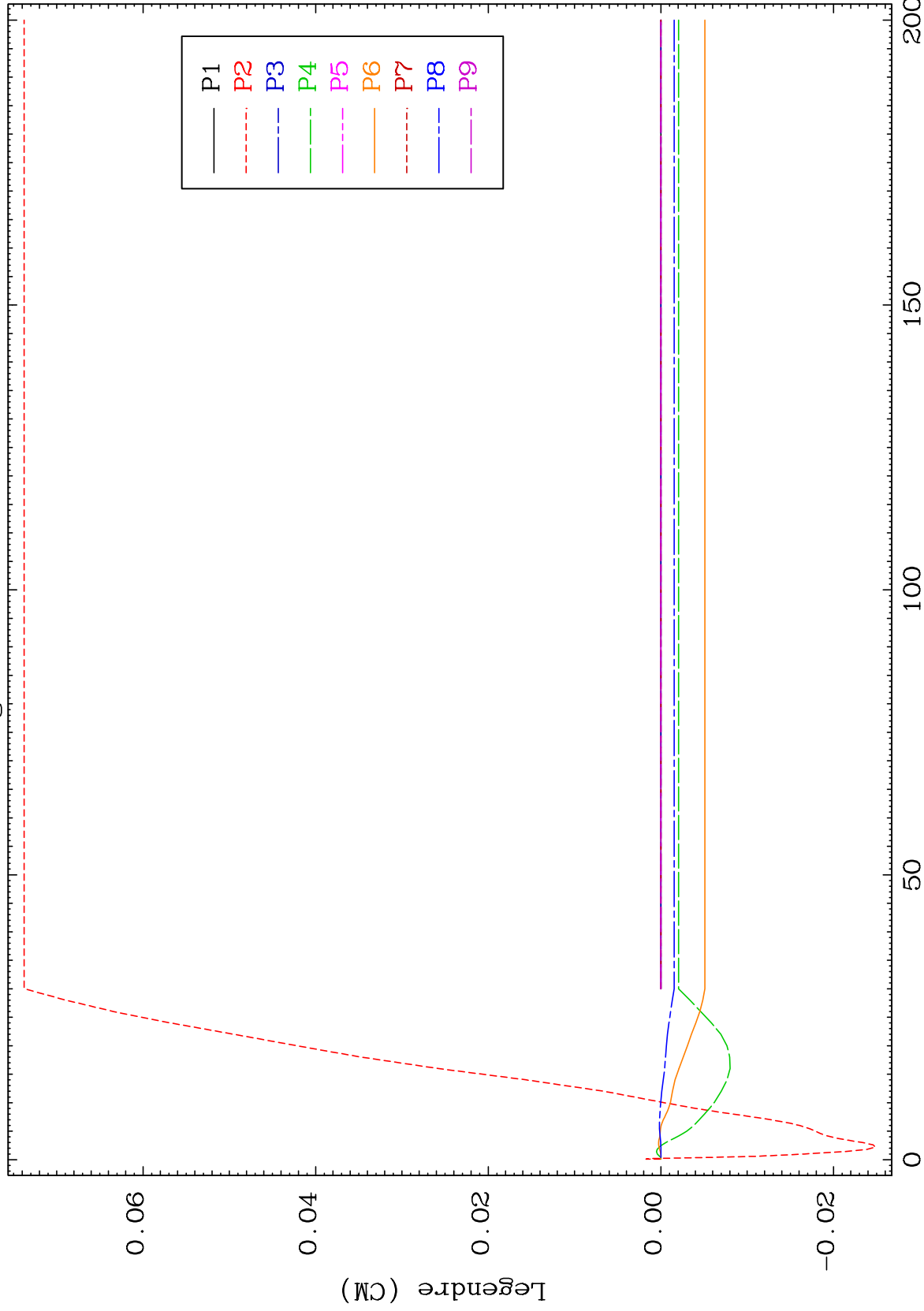
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



27

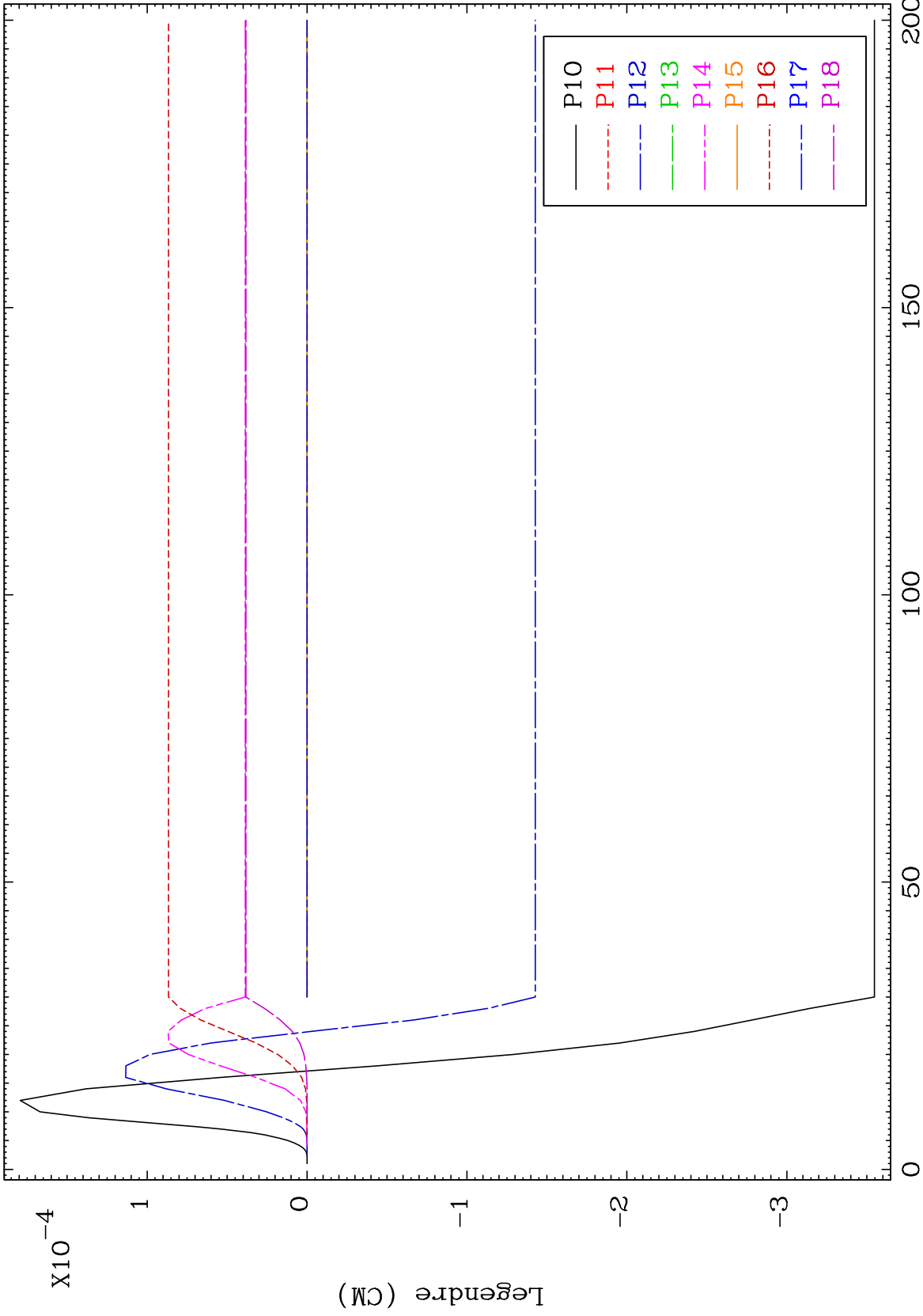
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



28

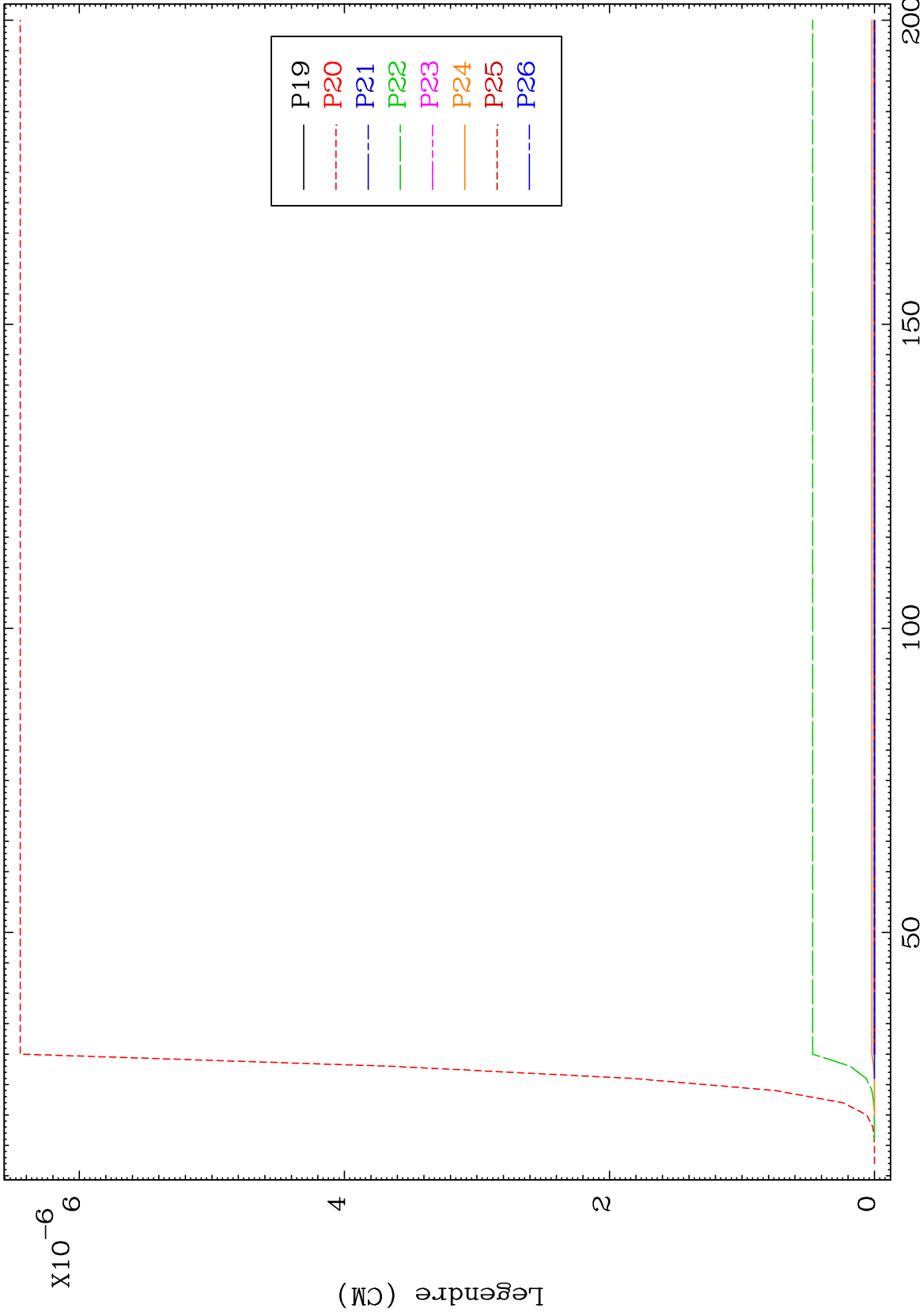
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



29

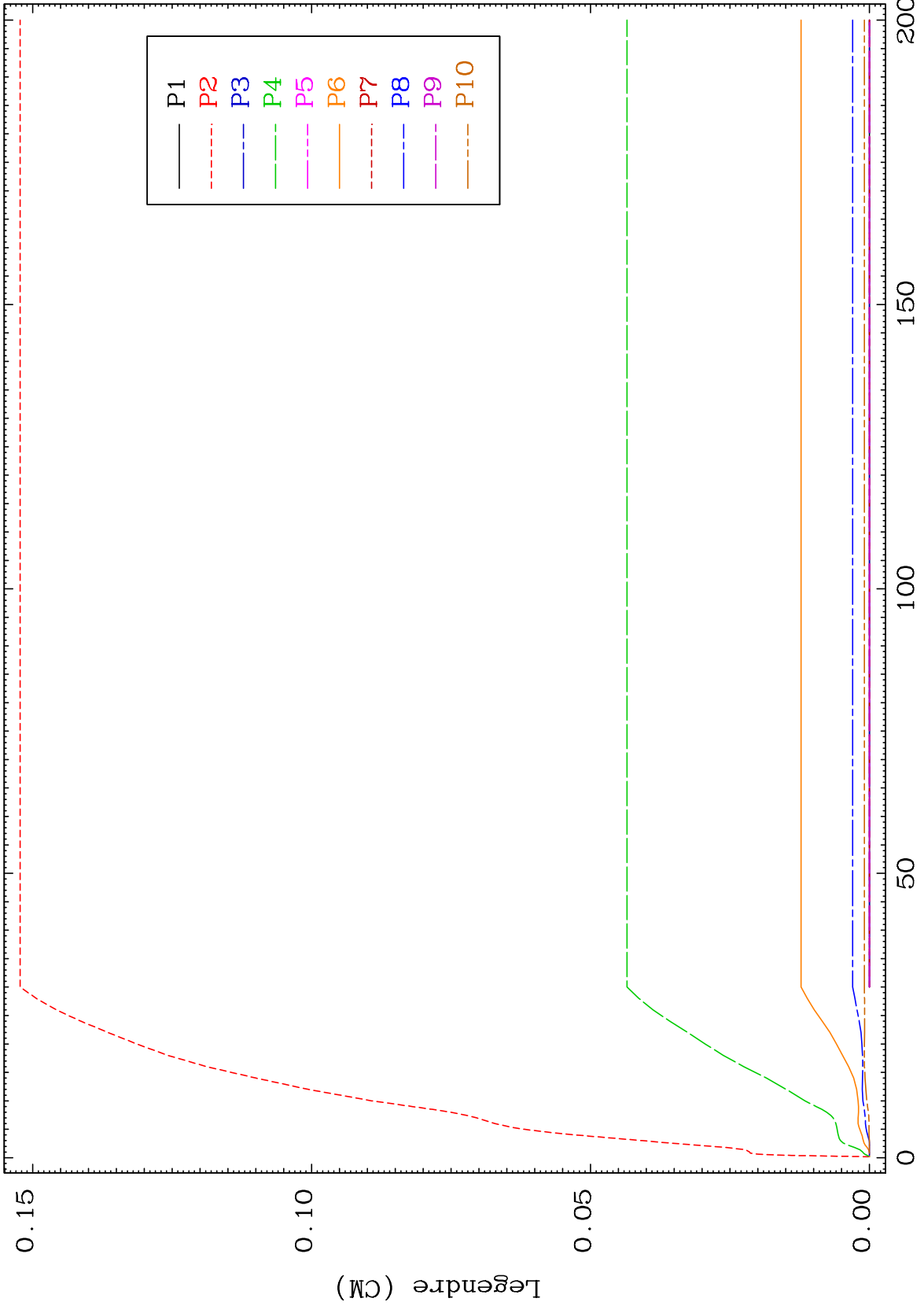
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



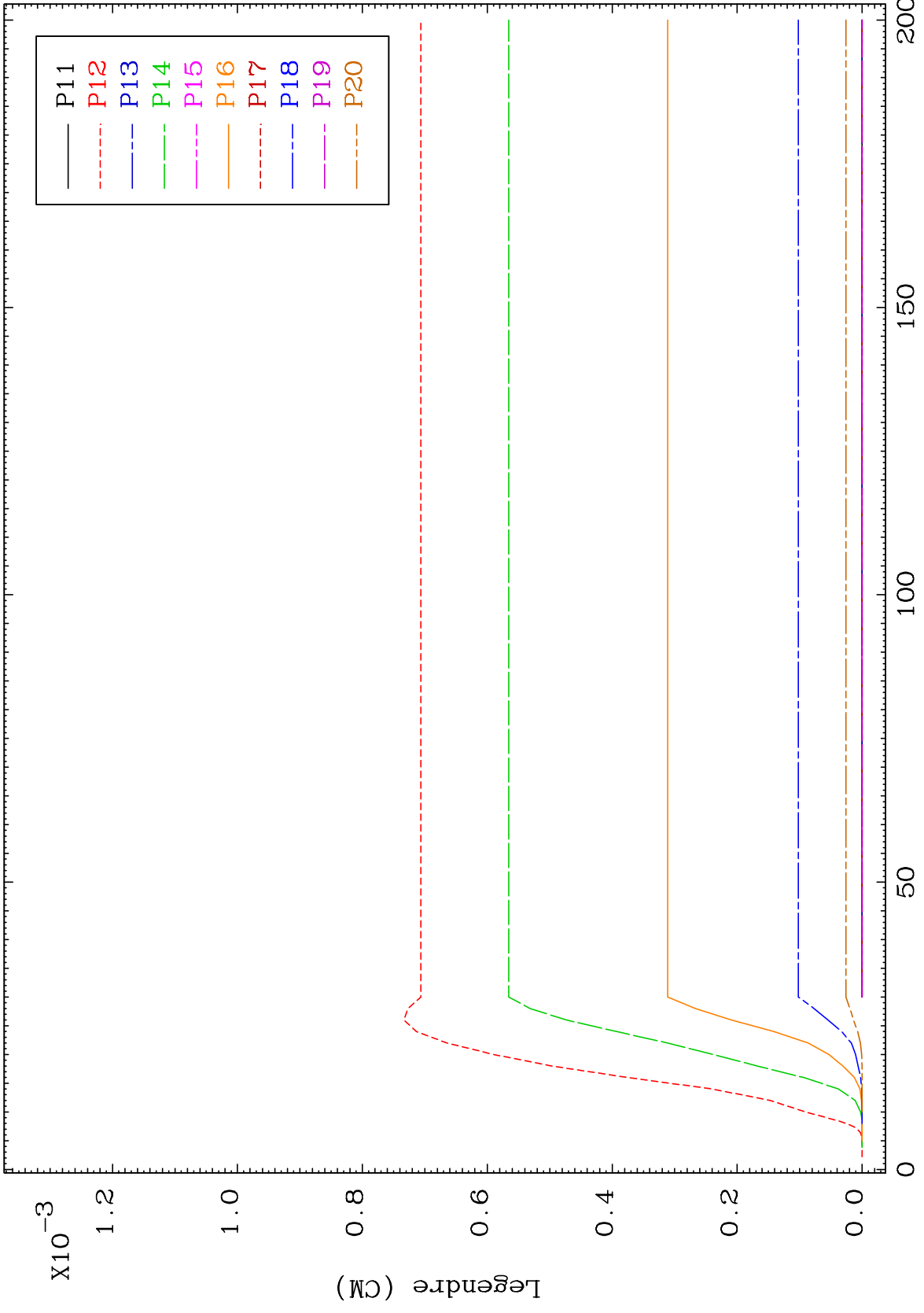
79-Au-196

Incident Energy (MeV)

MAT 7922

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

79-Au-196



31

Incident Energy (MeV)

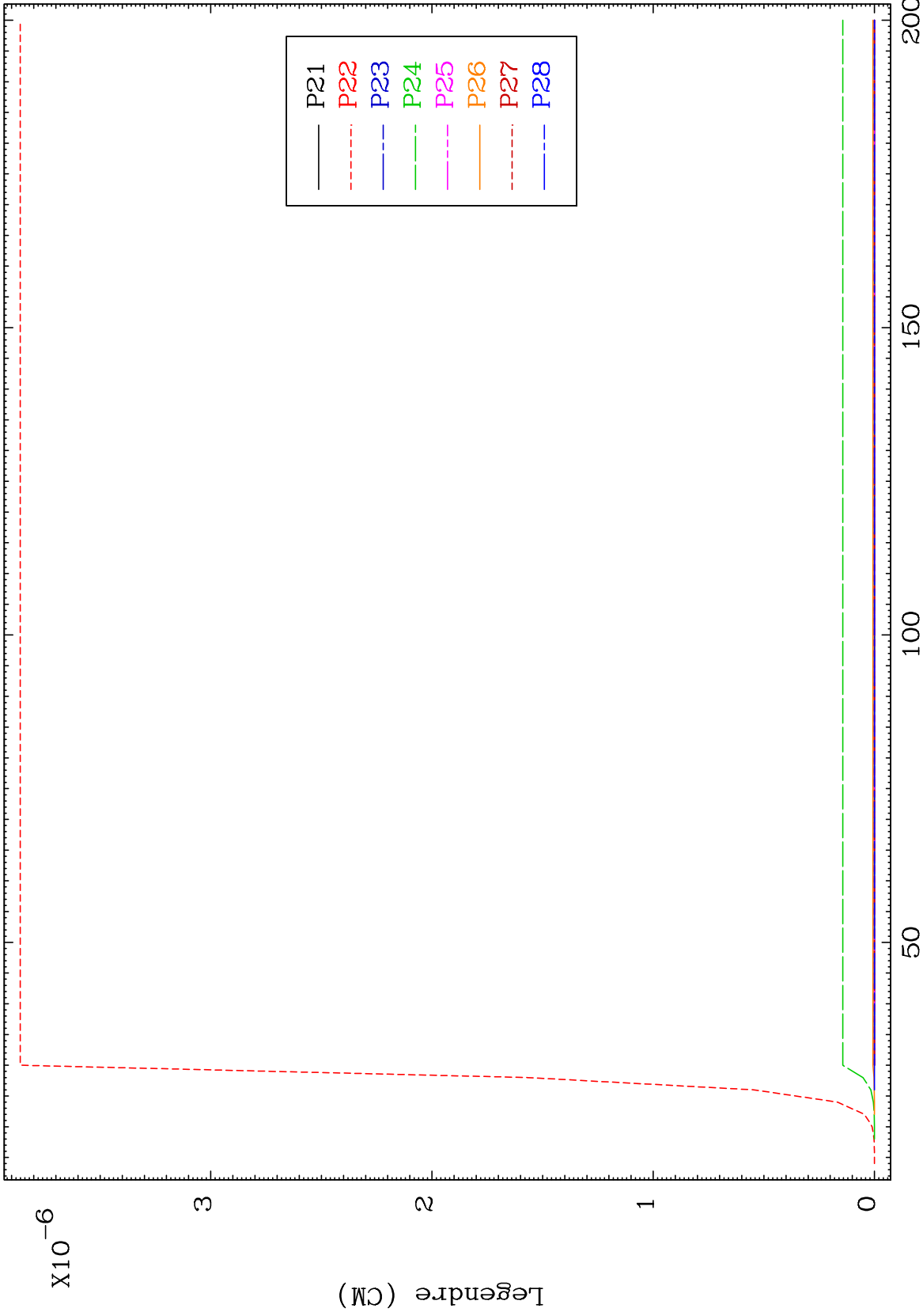
79-Au-196



MAT 7922

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

79-Au-196



32

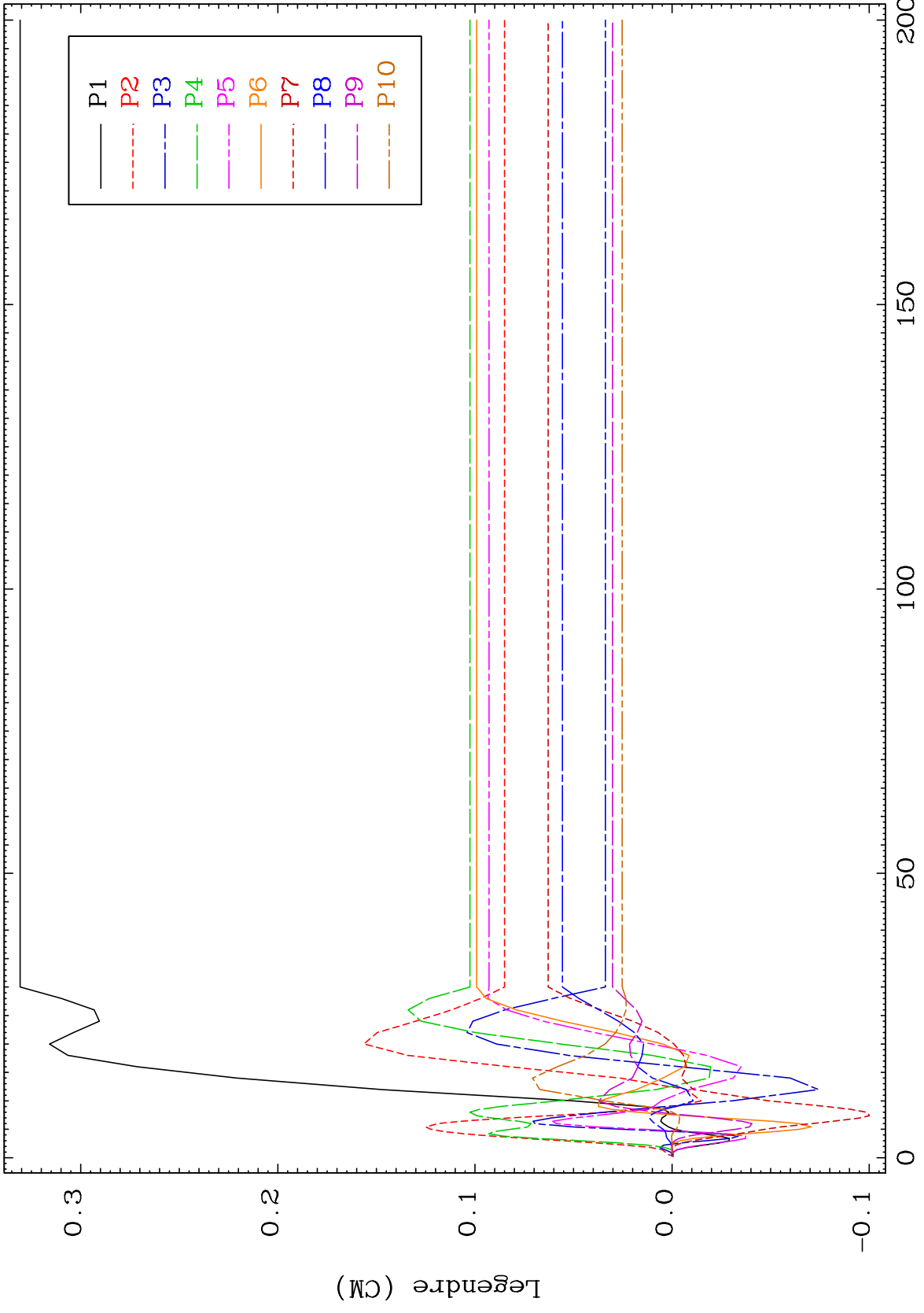
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



33

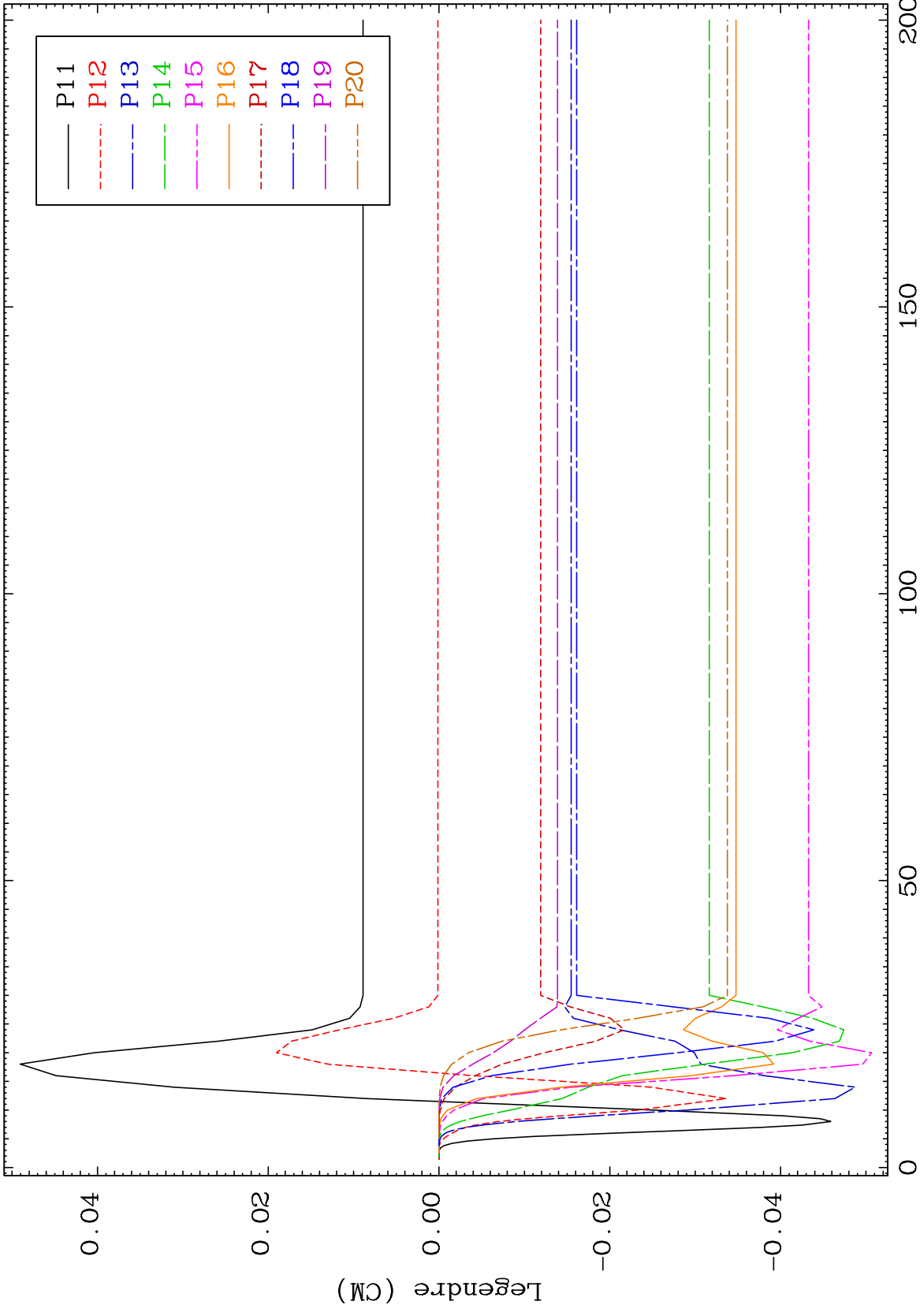
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



34

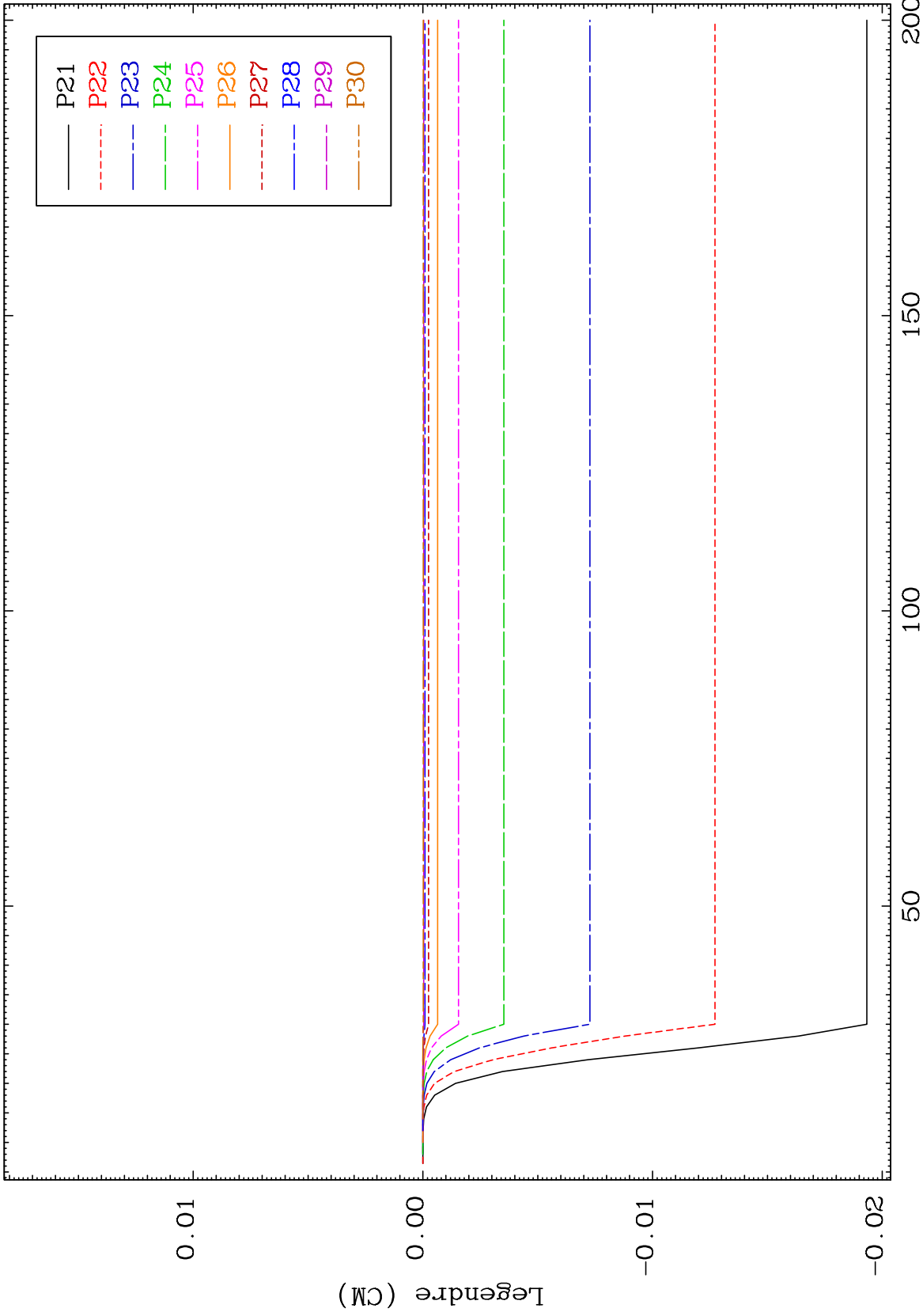
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



35

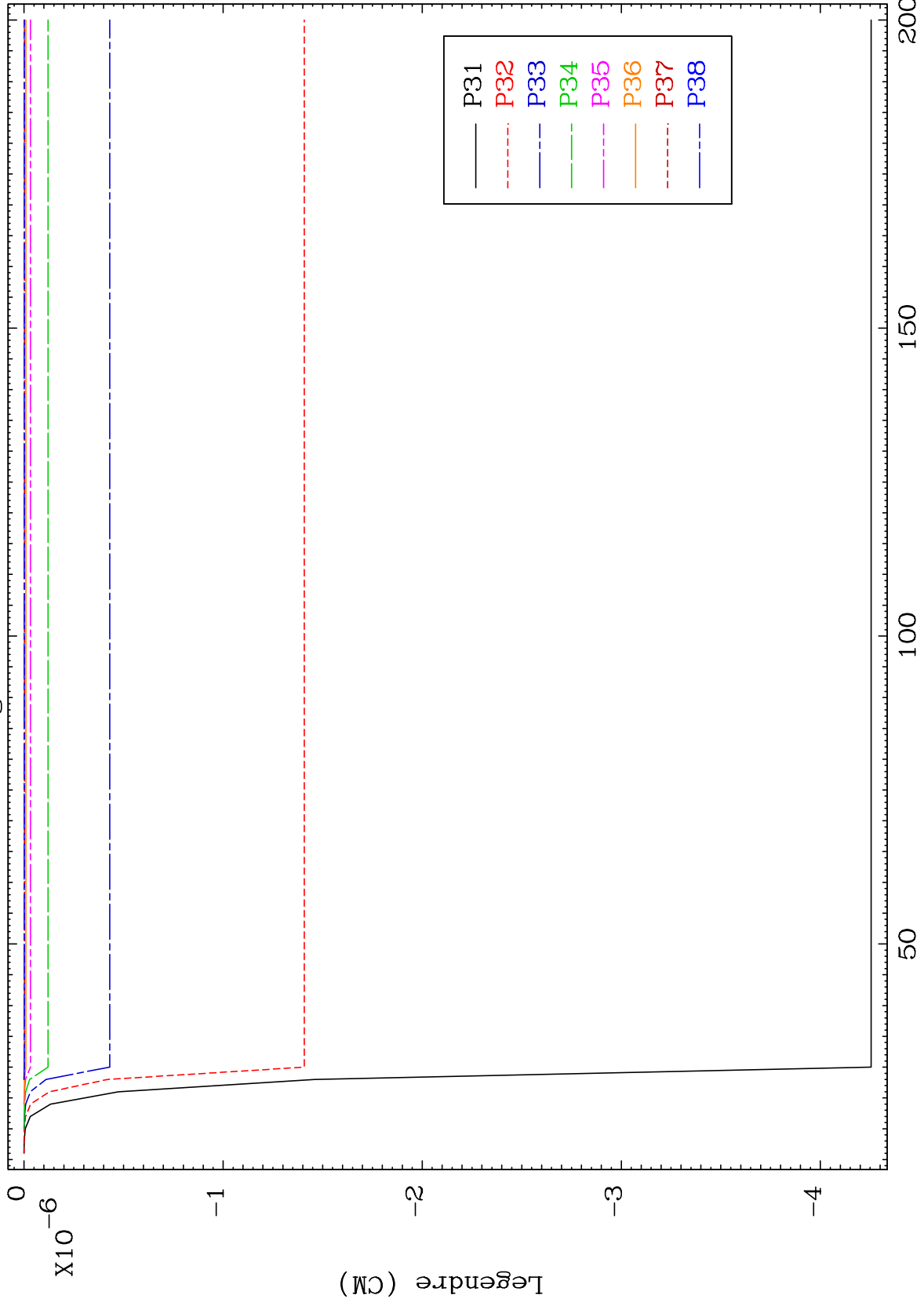
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



79-Au-196

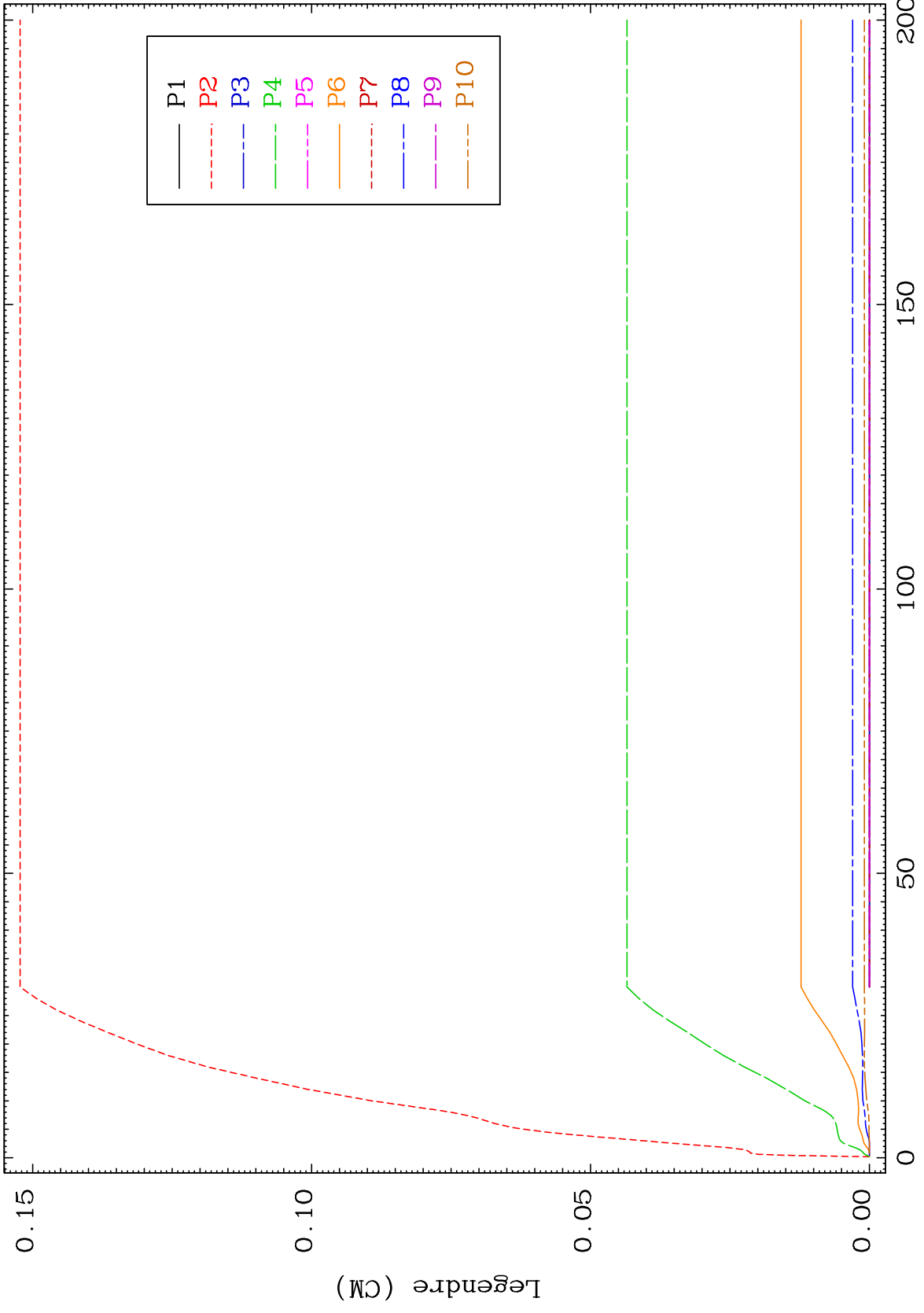
Incident Energy (MeV)

36

MAT 7922

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

79-Au-196



37

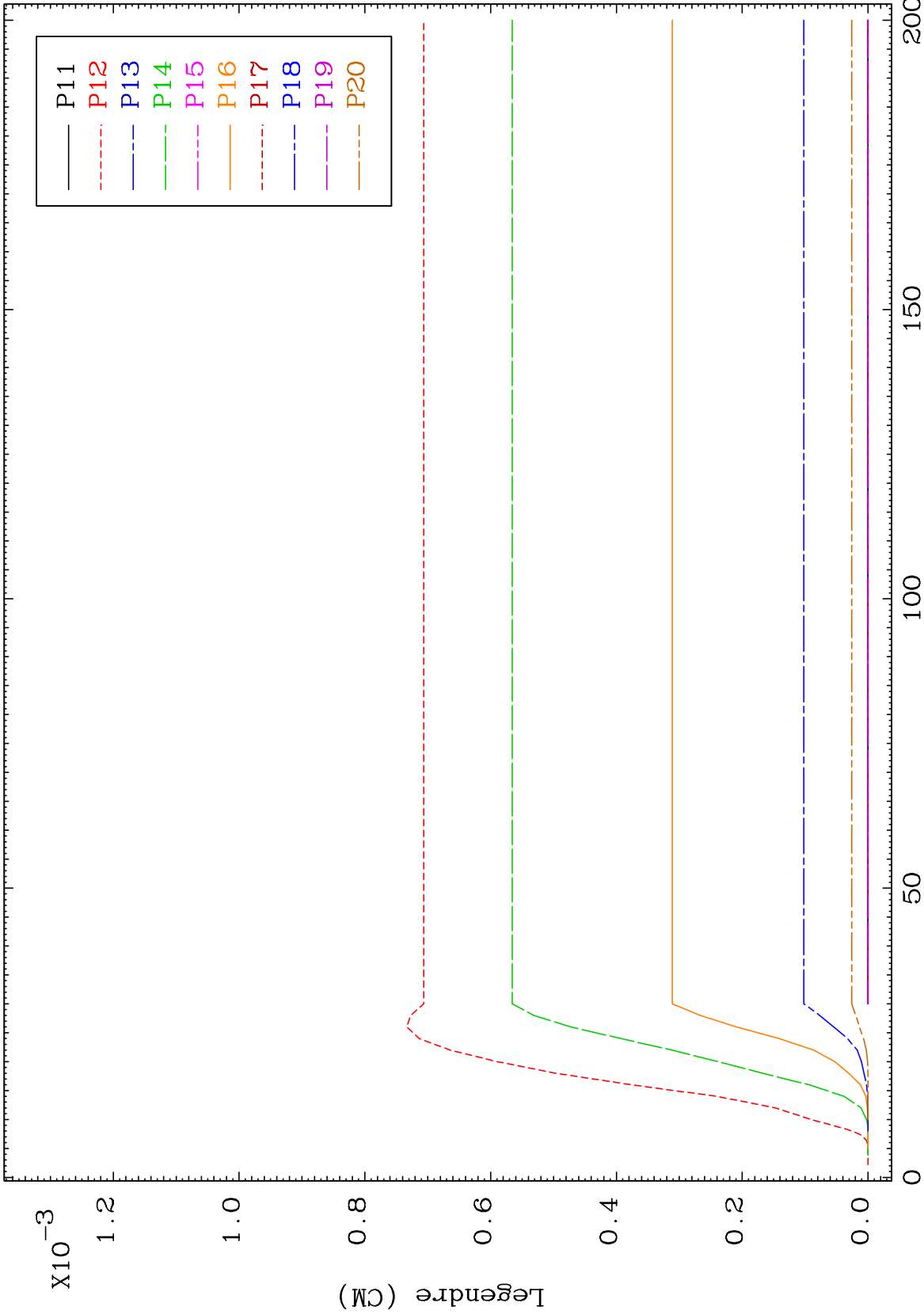
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



38

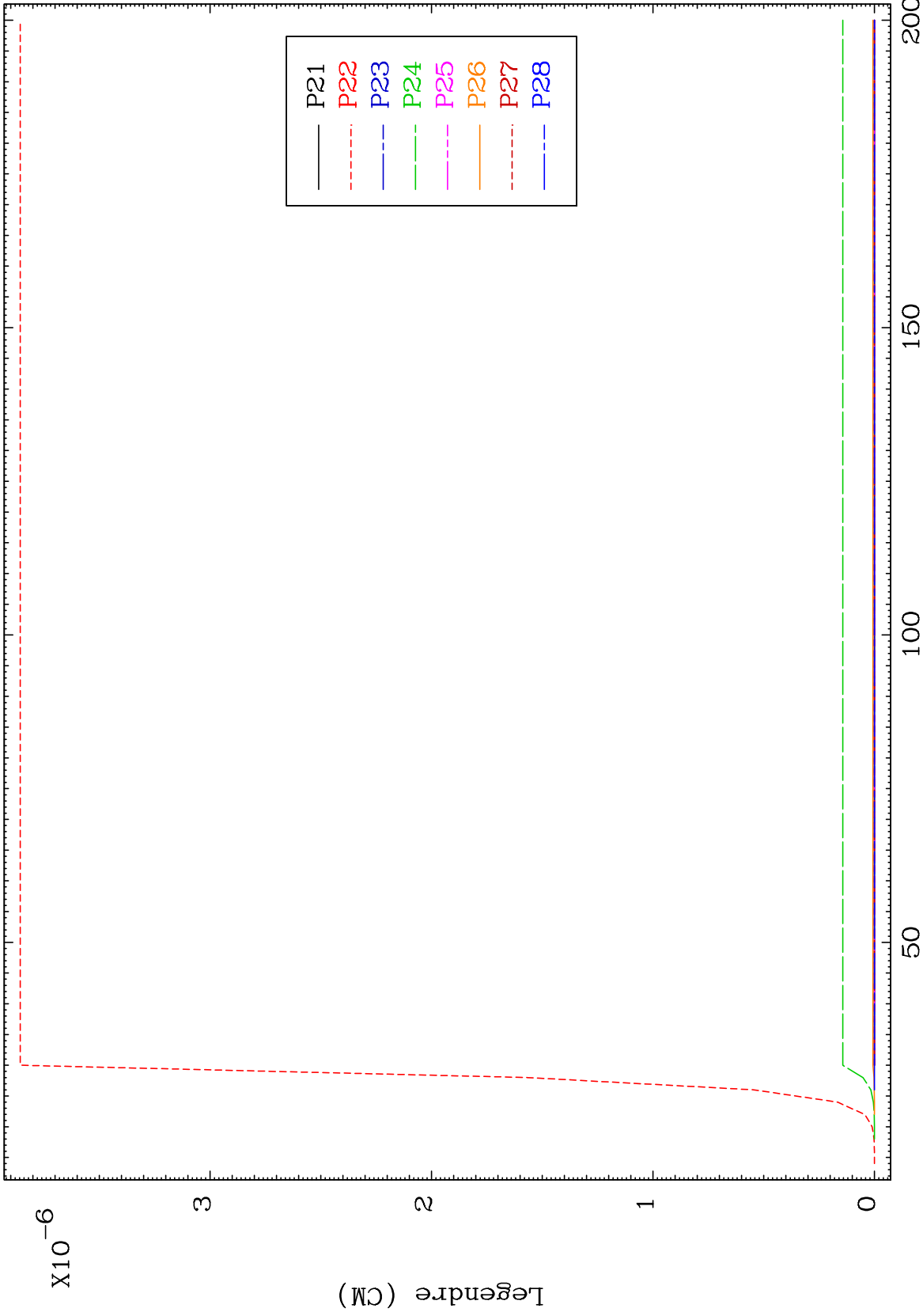
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



39

Incident Energy (MeV)

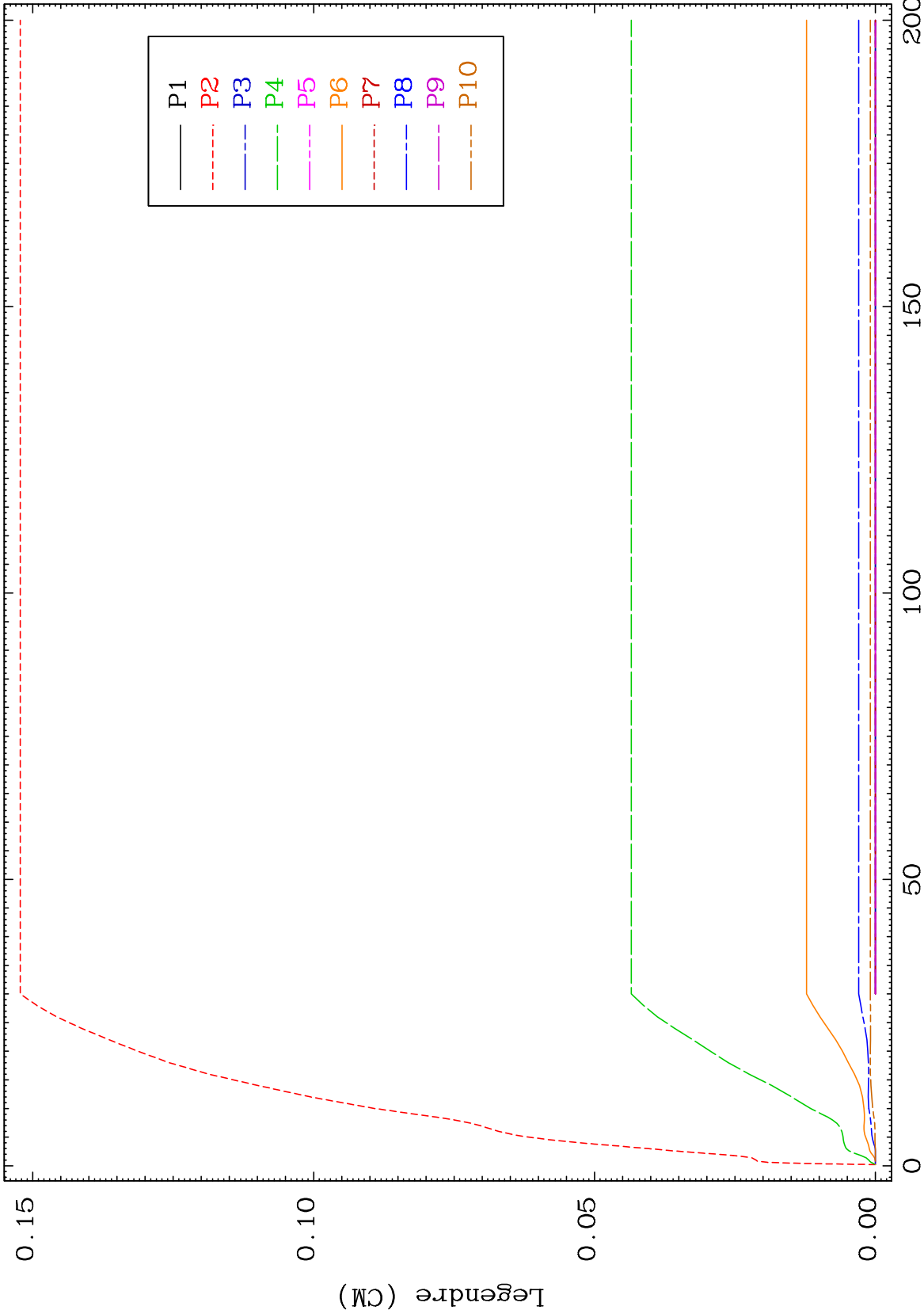
79-Au-196



MAT 7922

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

79-Au-196



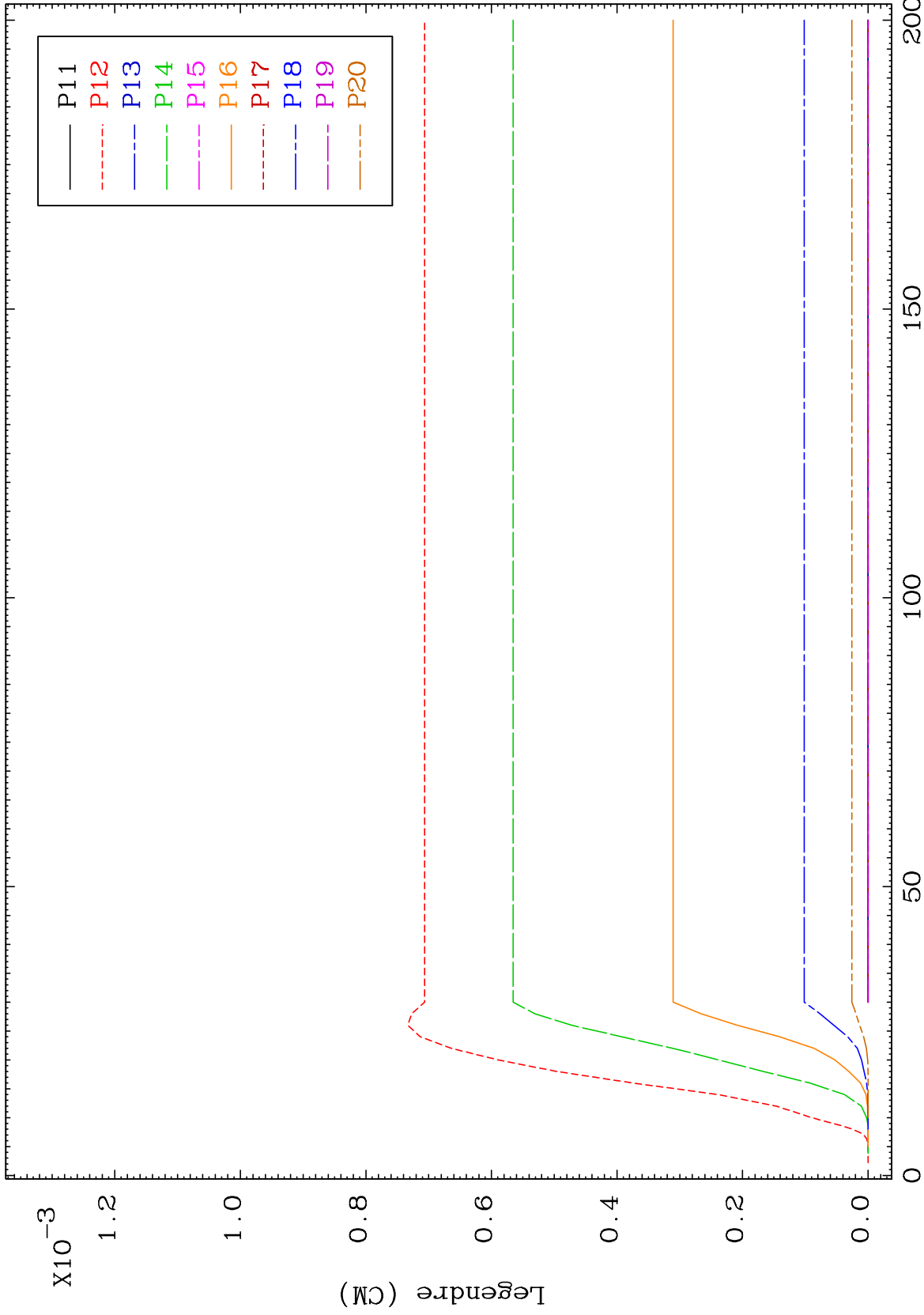
79-Au-196

Incident Energy (MeV)

MAT 7922

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

79-Au-196



41

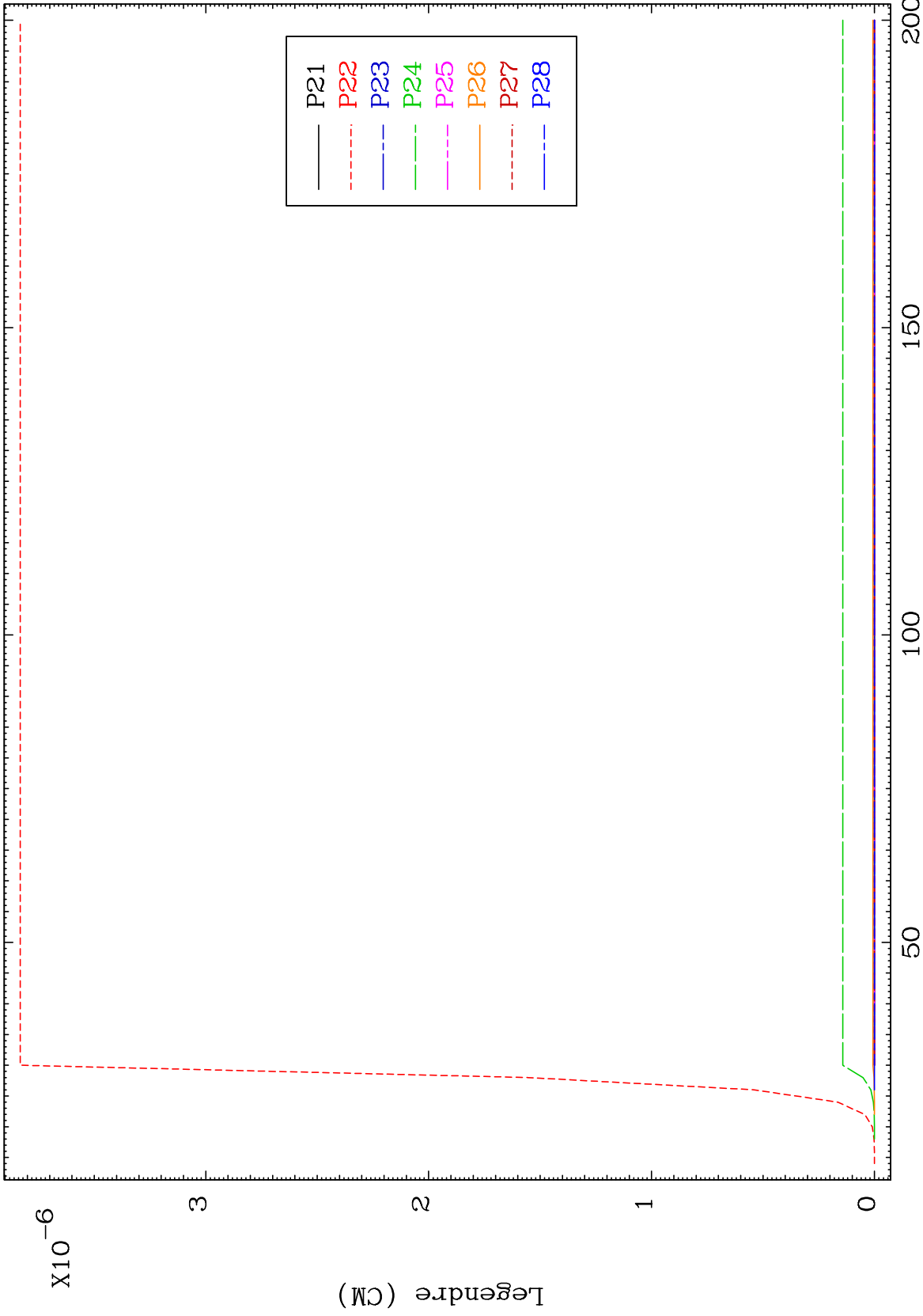
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



42

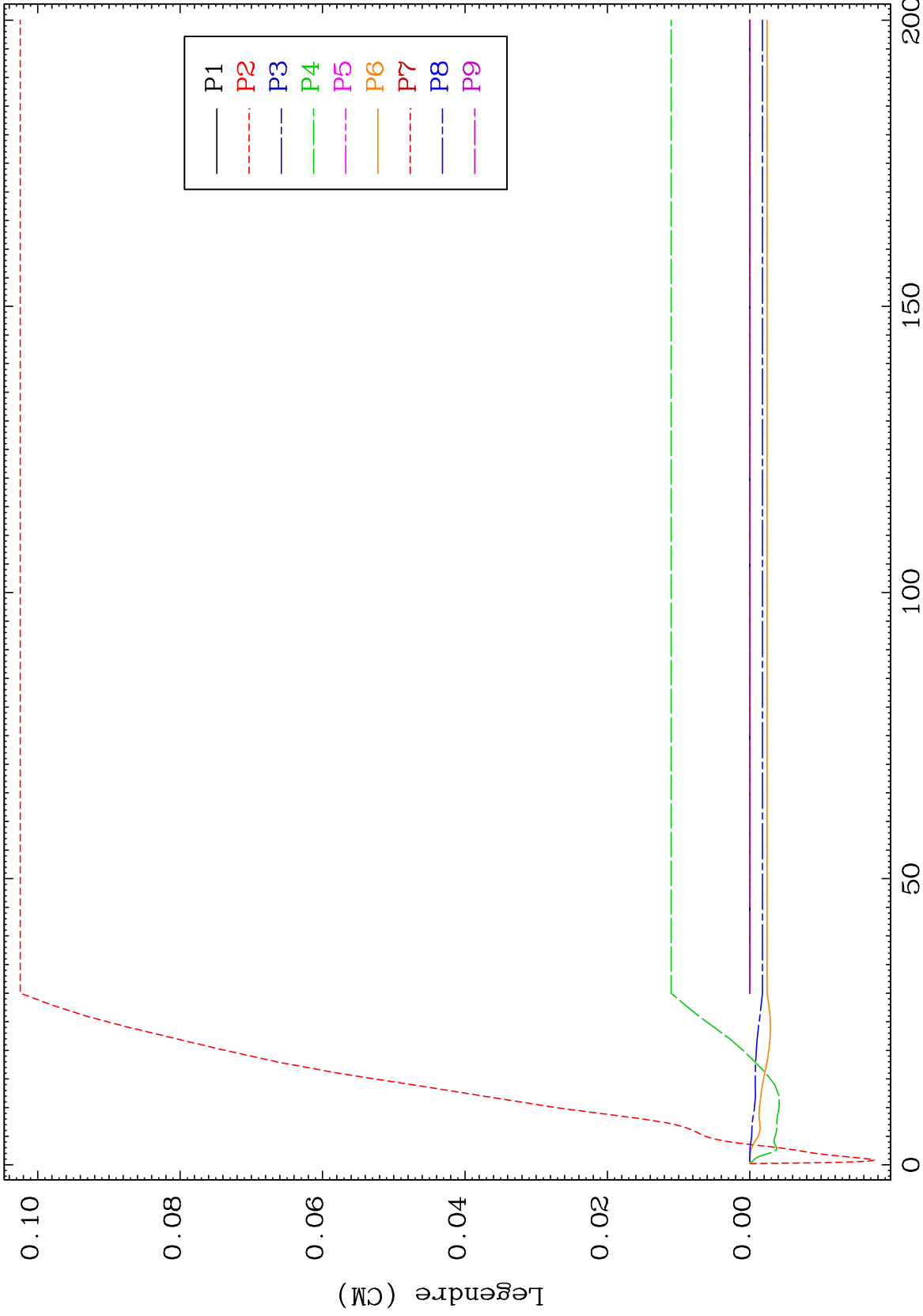
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



43

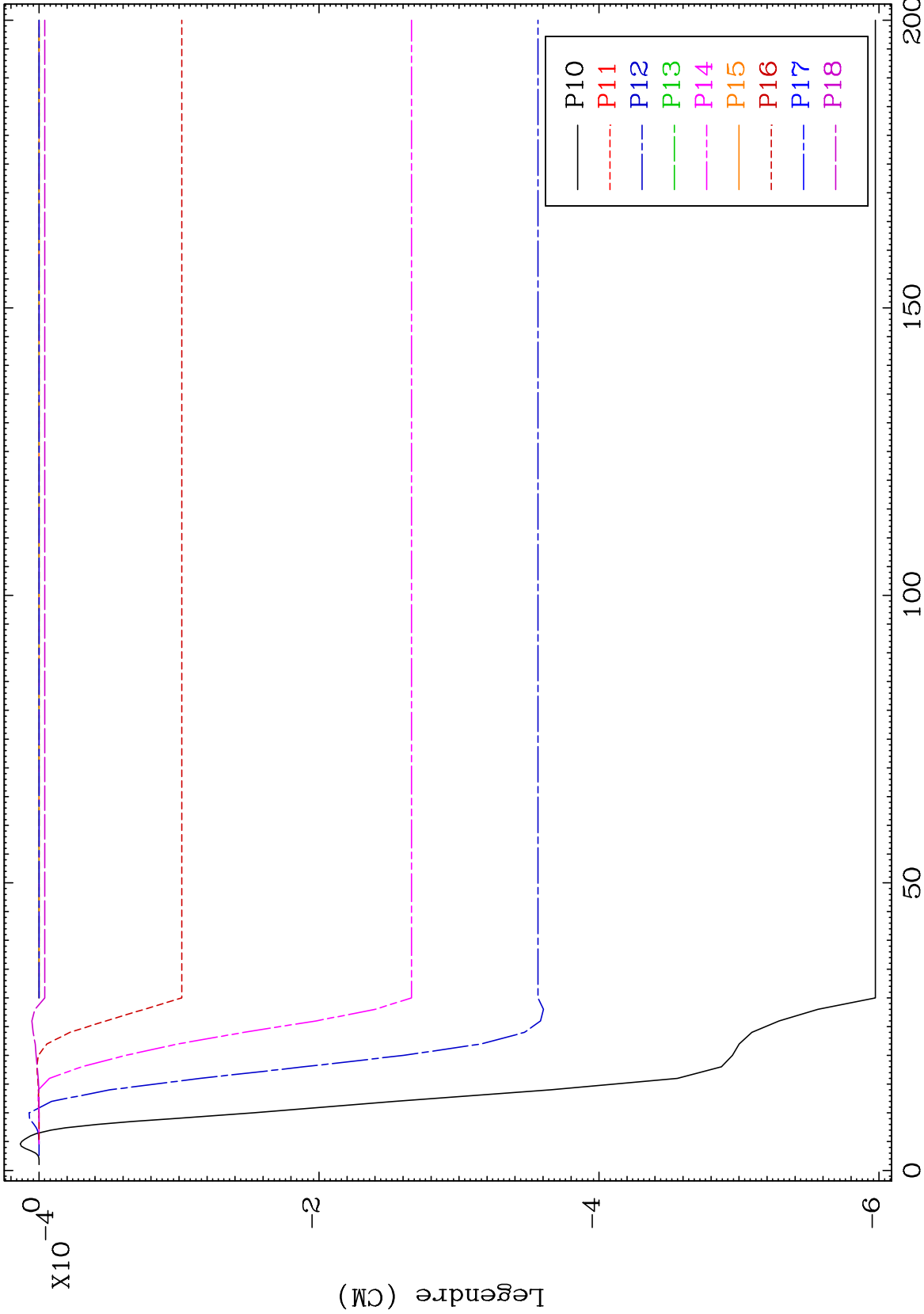
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196

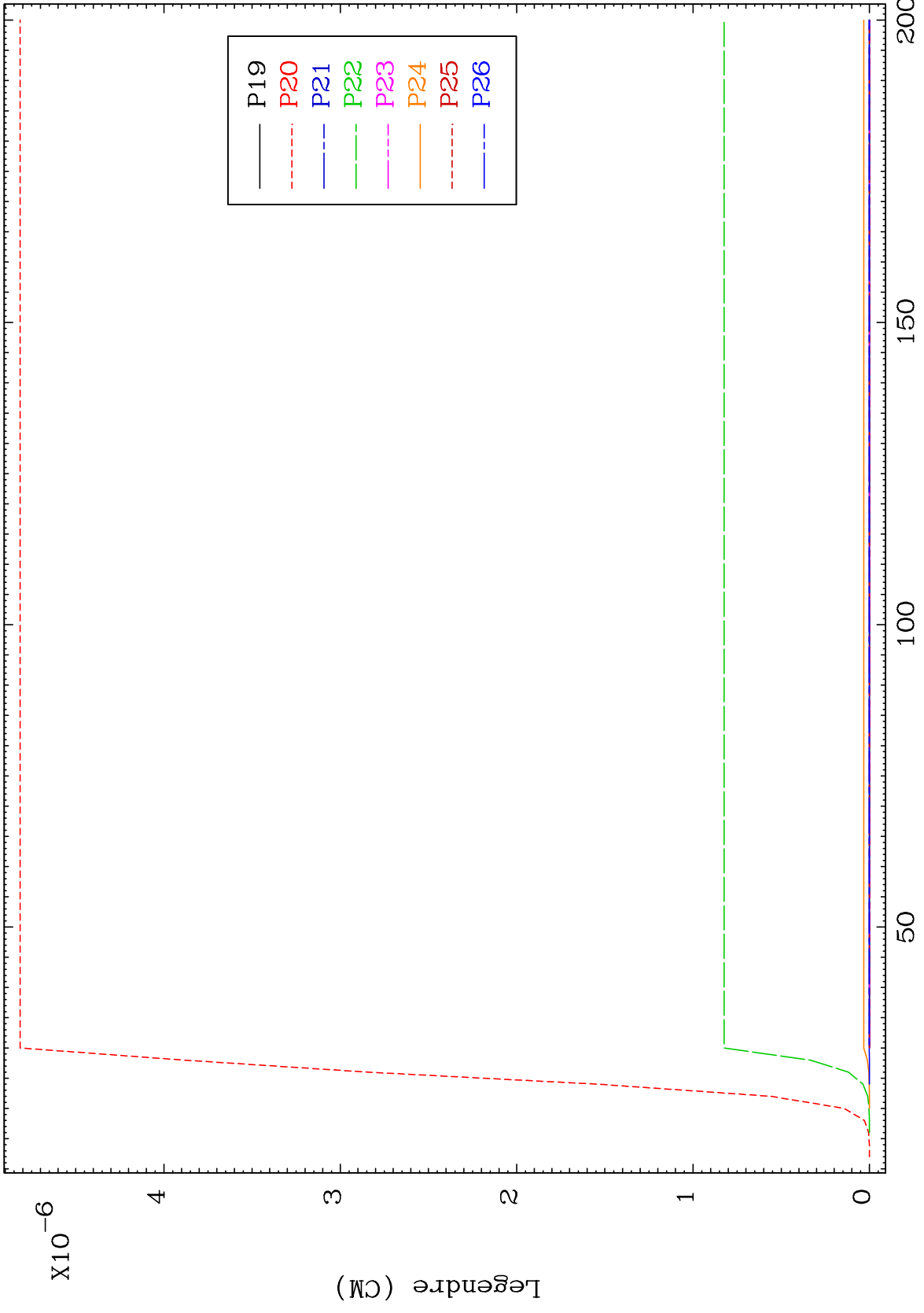


44

Incident Energy (MeV)

79-Au-196

MAT 7922 MT= 58 (n,n') Level Legendre Coefficients 79-Au-196

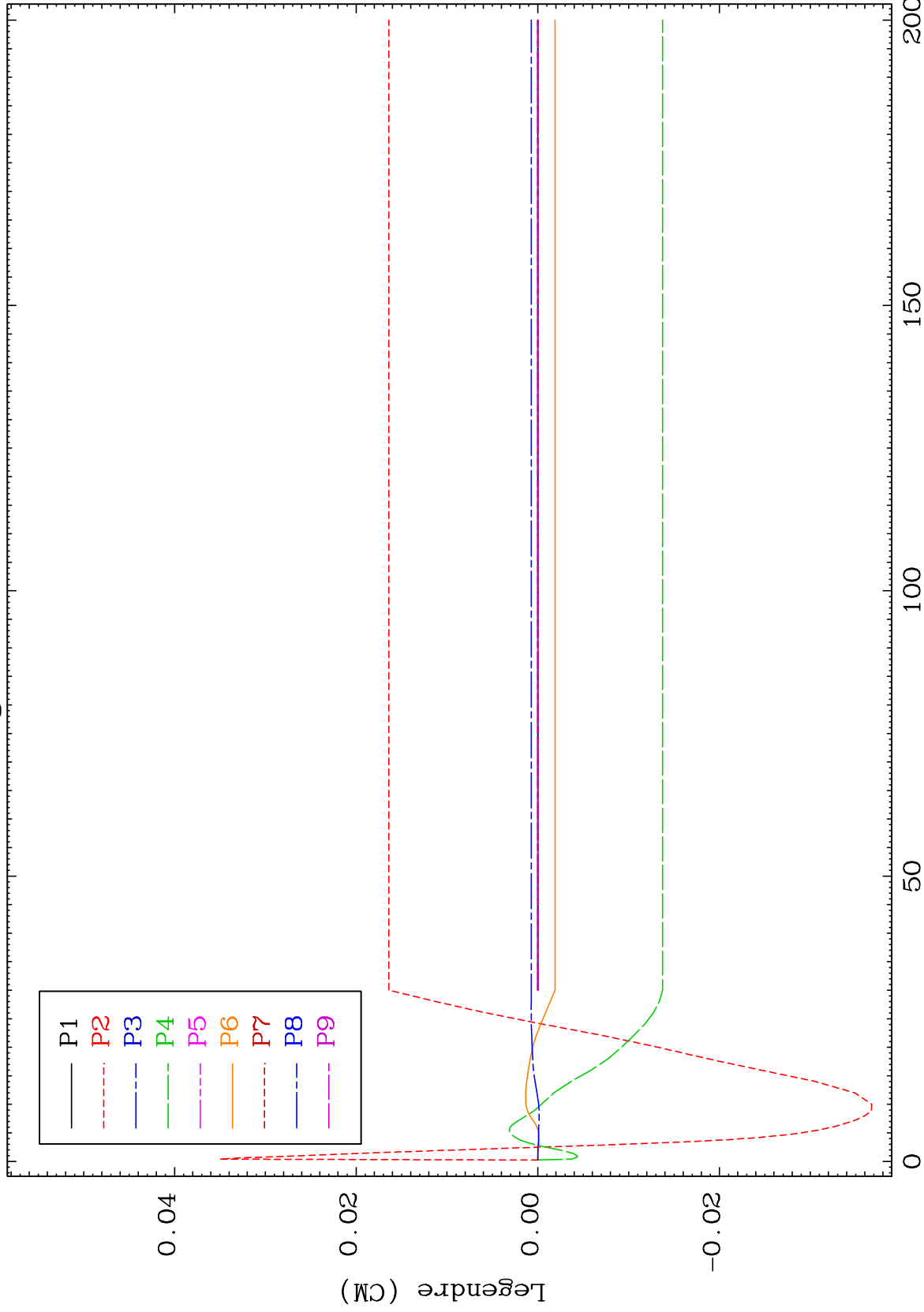


45 Incident Energy (MeV) 79-Au-196

MAT 7922

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

79-Au-196



46

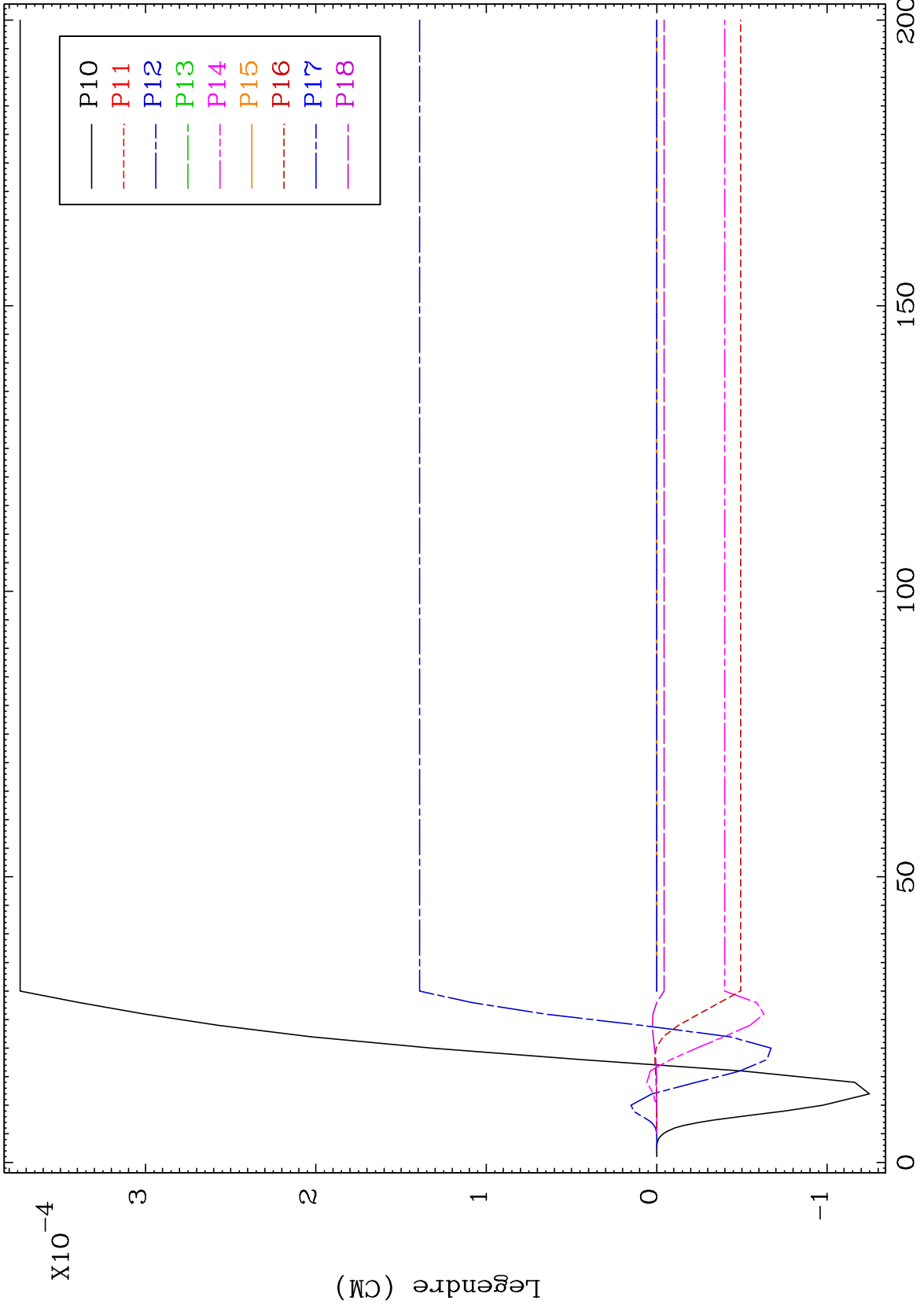
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196

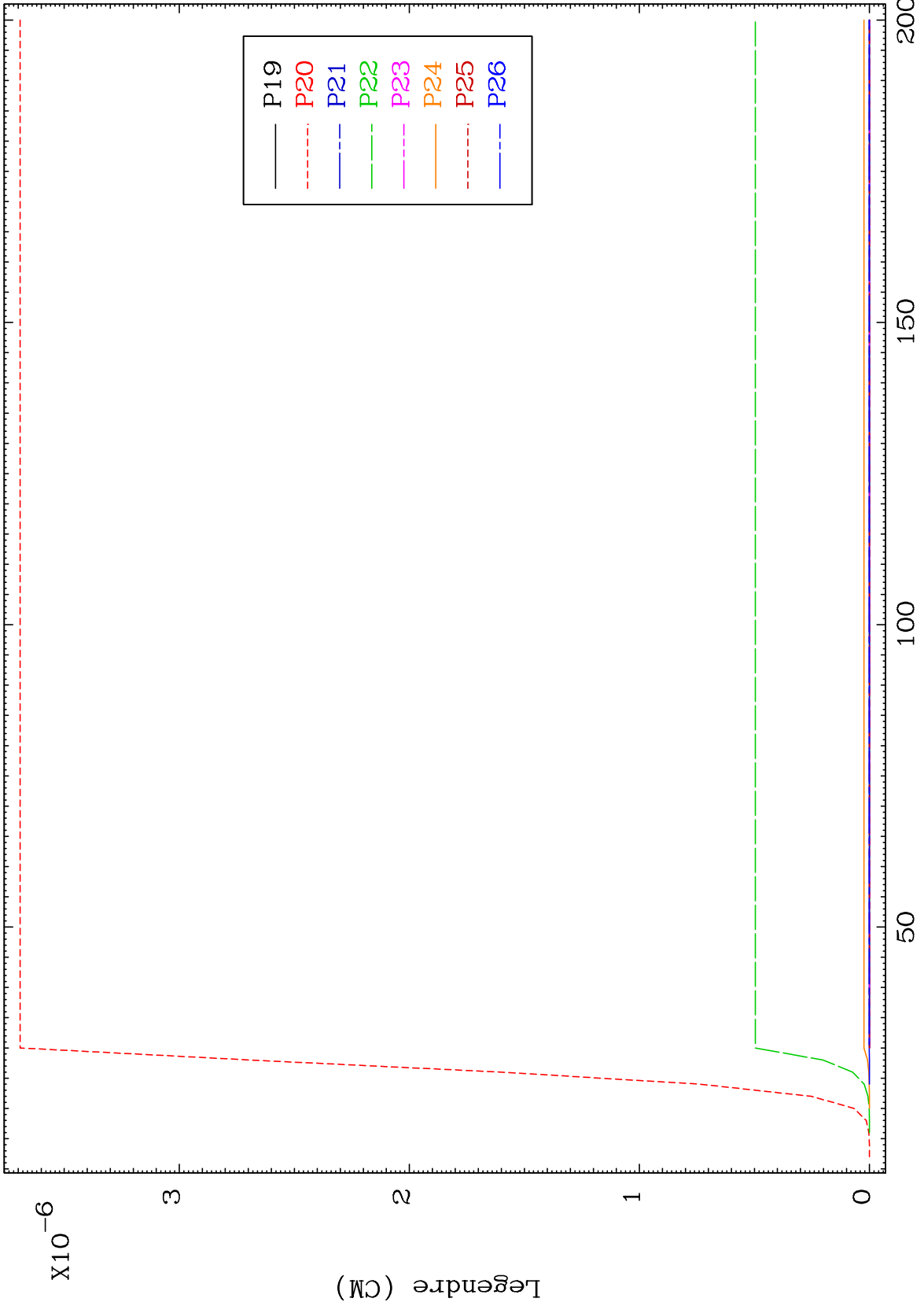


47

79-Au-196



MAT 7922 MT= 59 (n,n') Level Legendre Coefficients 79-Au-196

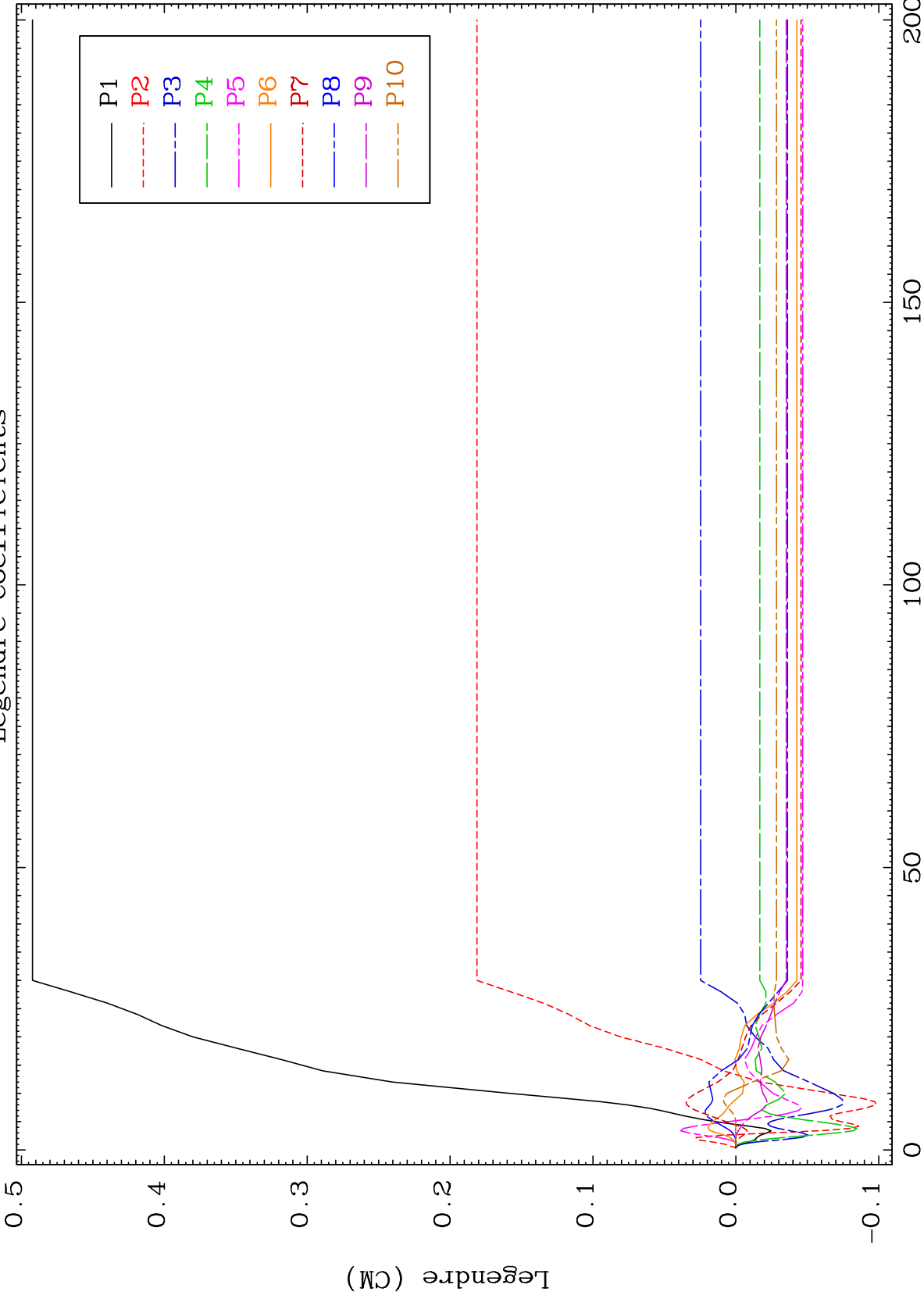


48 50 100 150 200 79-Au-196

MAT 7922

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

79-Au-196



49

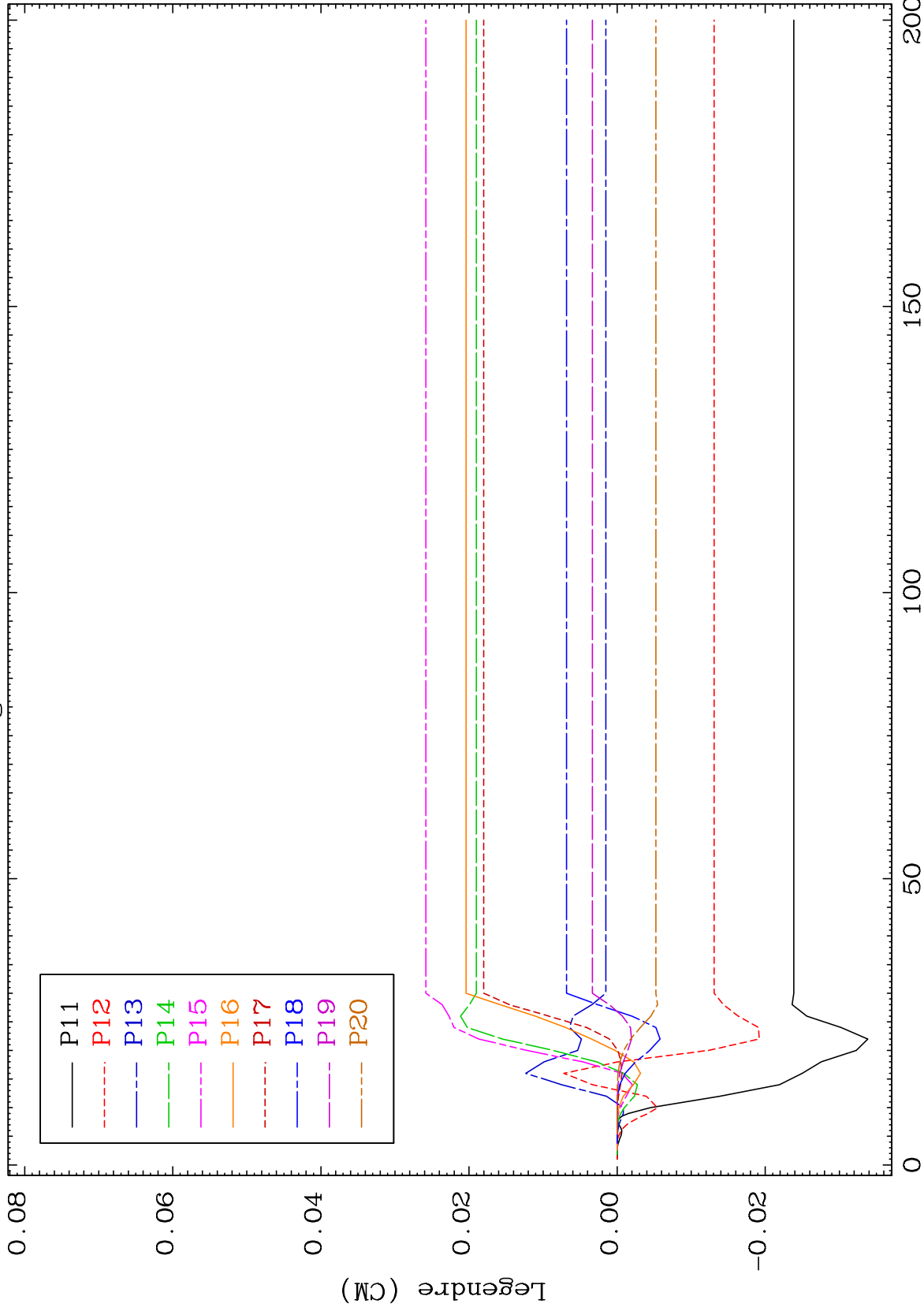
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



50

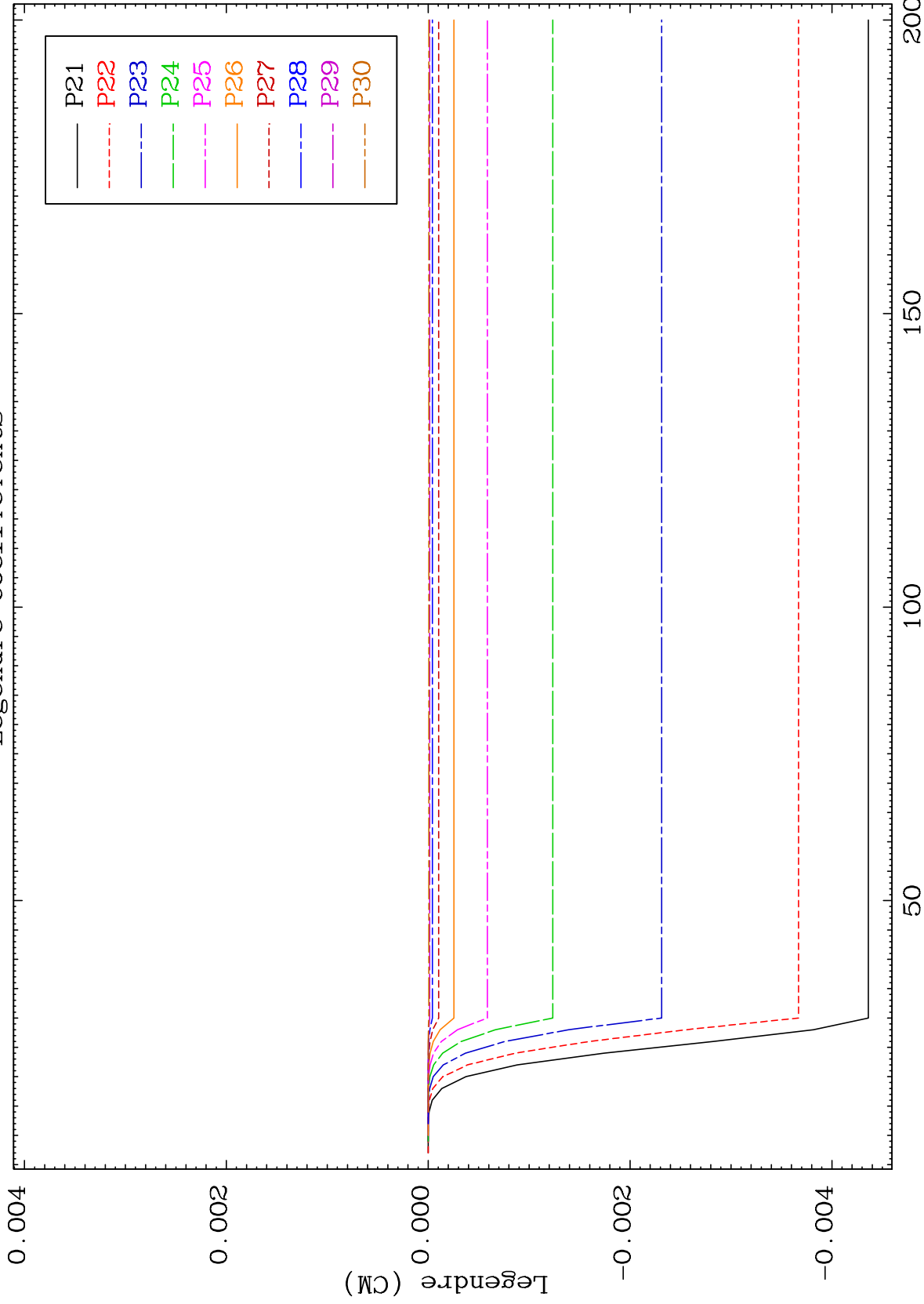
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196

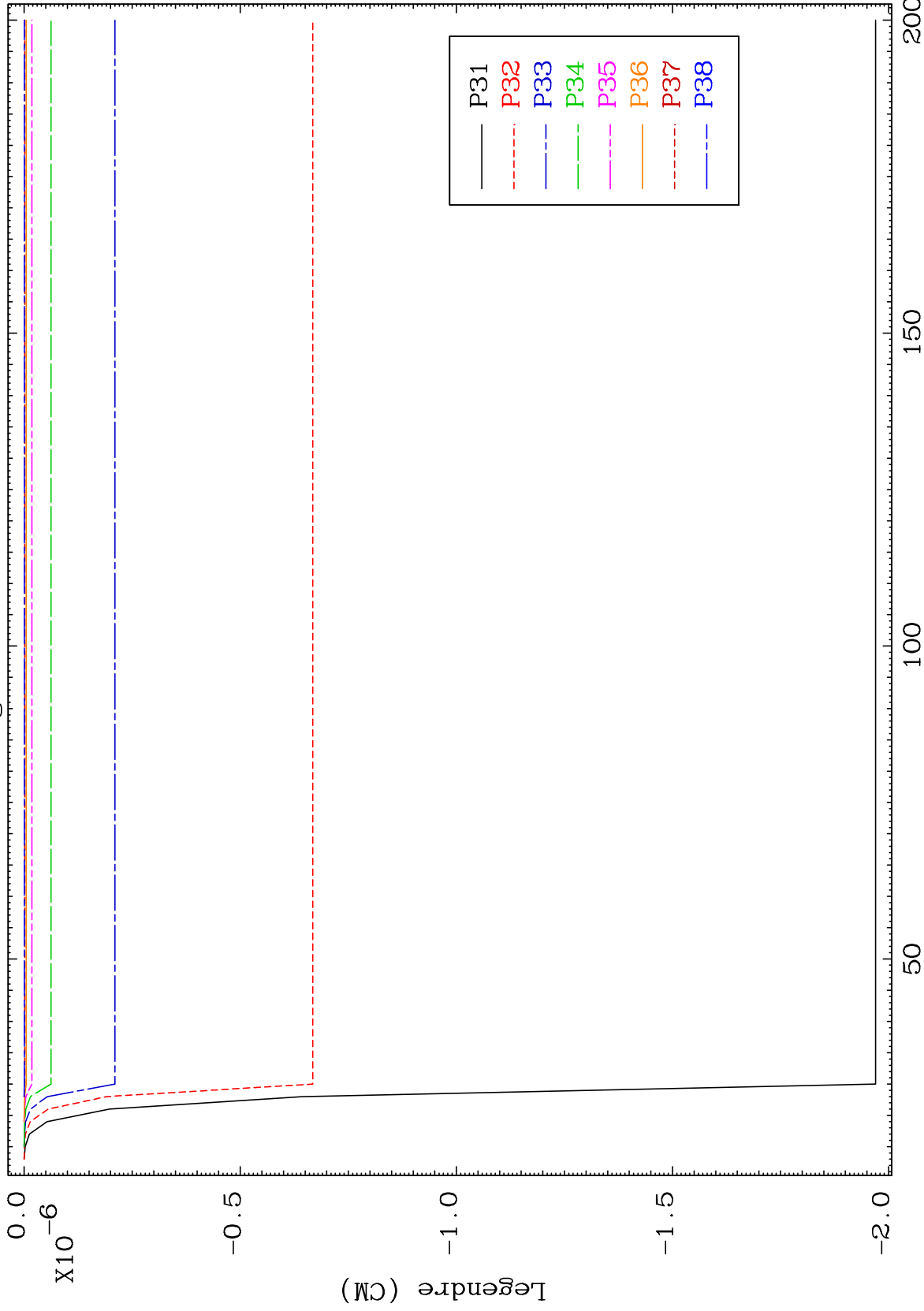


51

Incident Energy (MeV)

79-Au-196

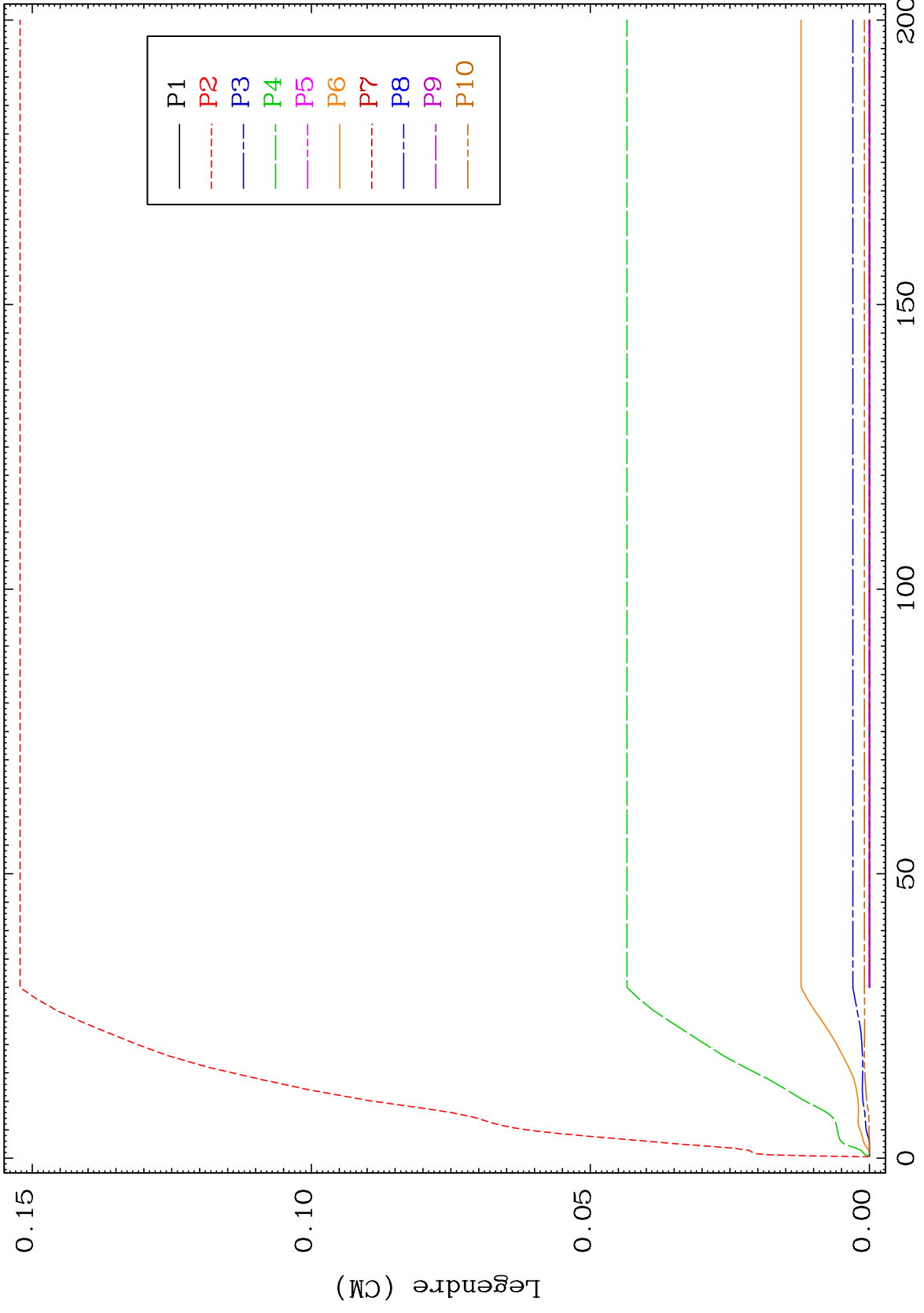
Legendre Coefficients



MAT 7922

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

79-Au-196



53

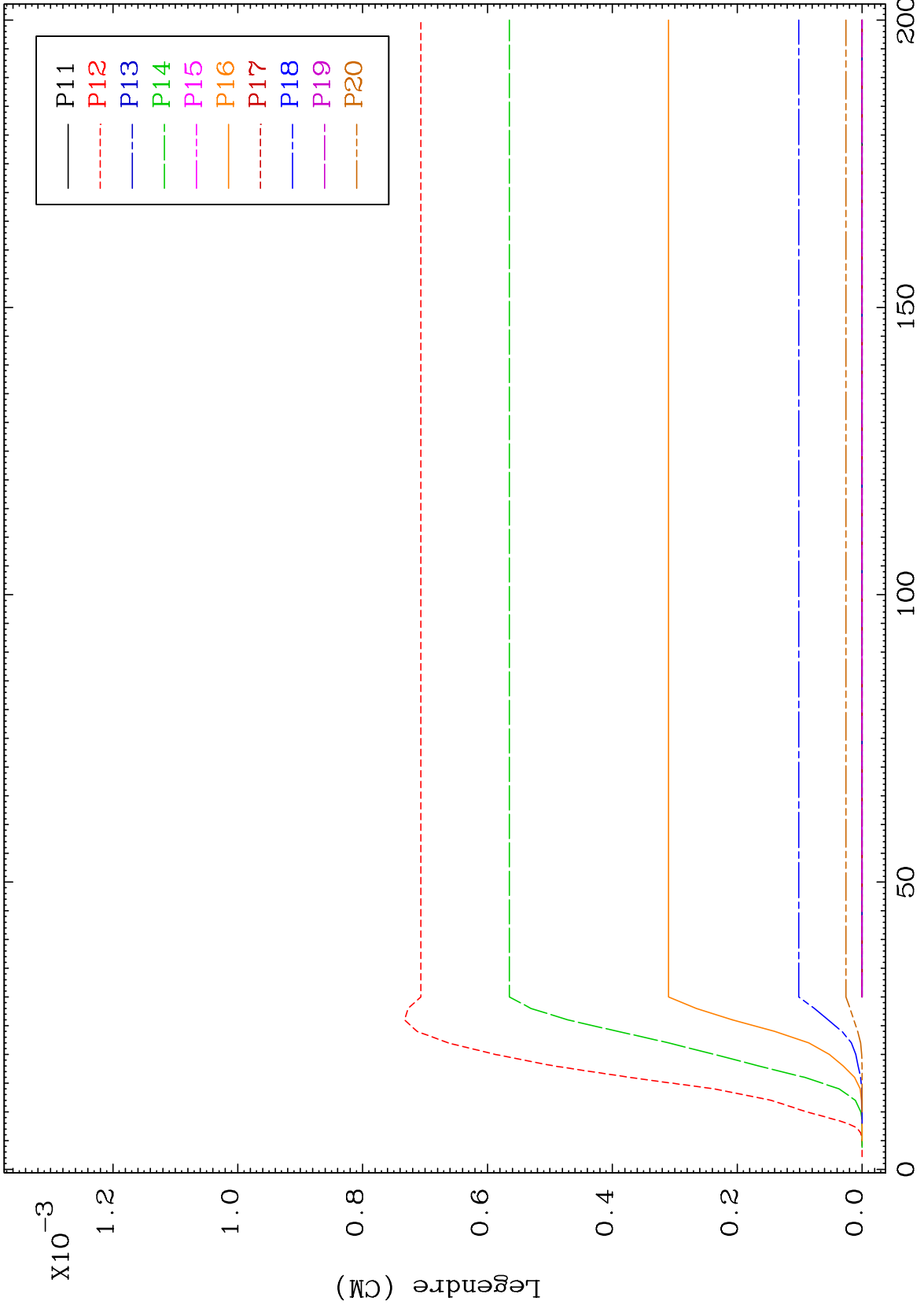
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



54

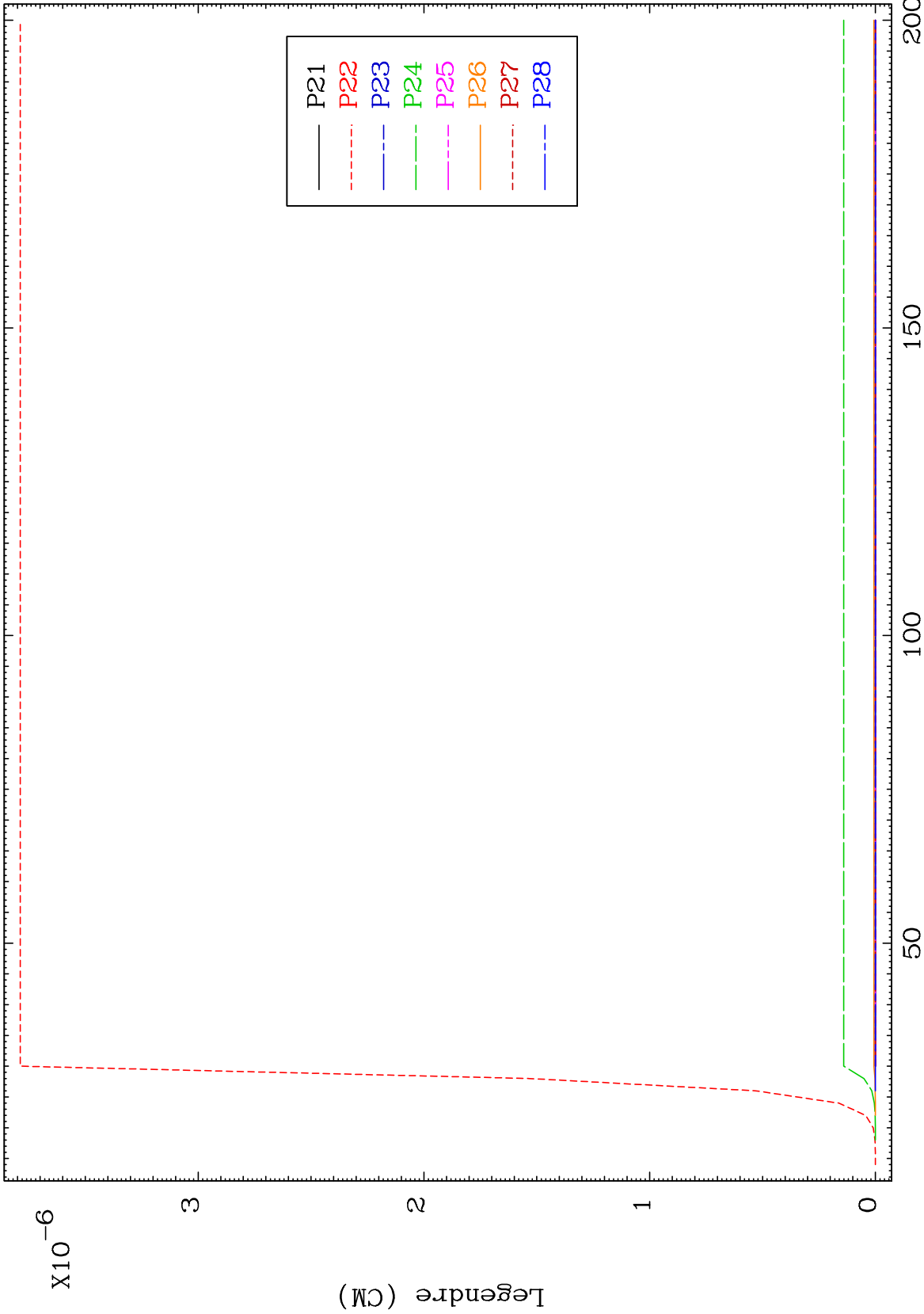
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



55

Incident Energy (MeV)

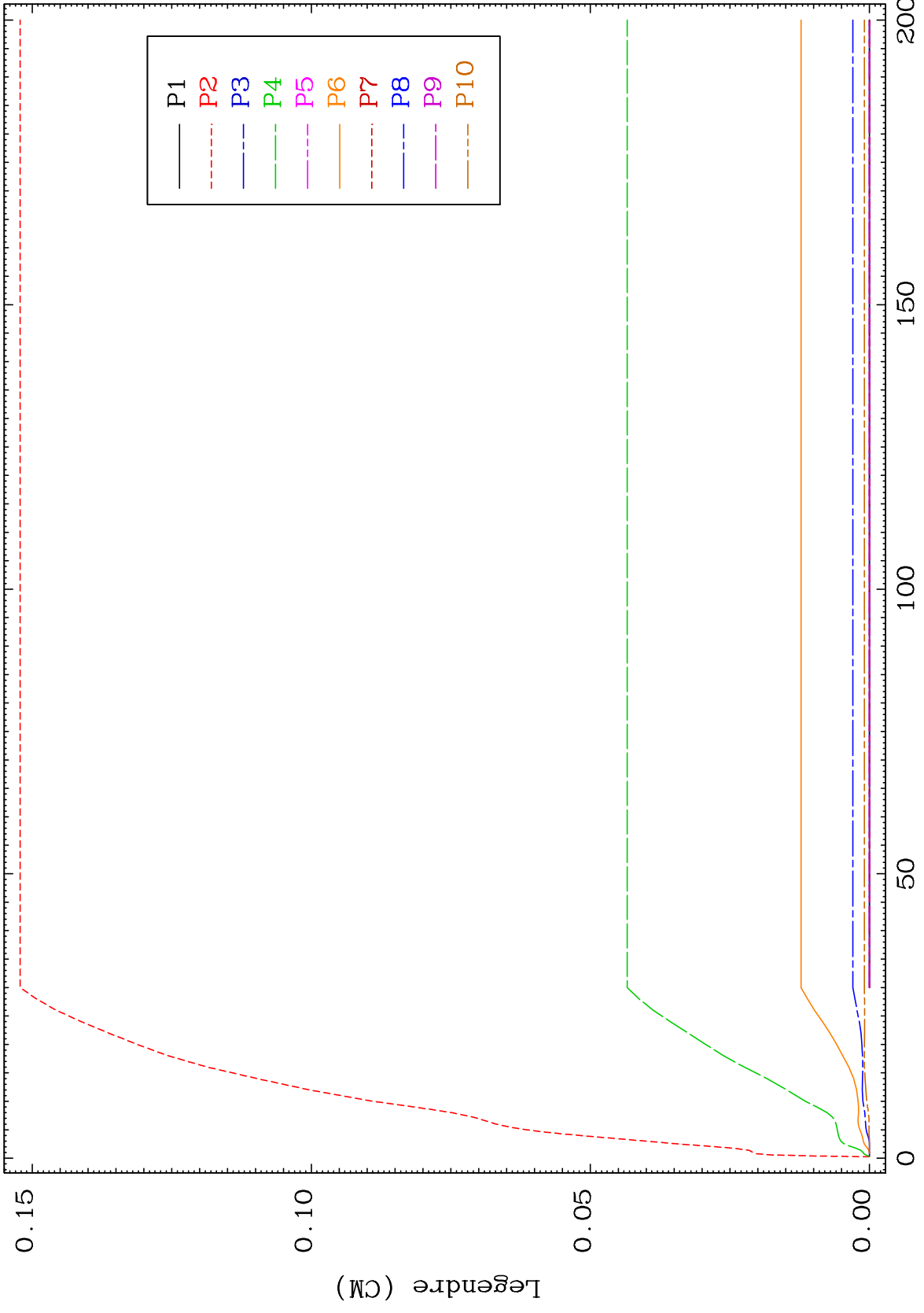
79-Au-196



MAT 7922

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

79-Au-196



56

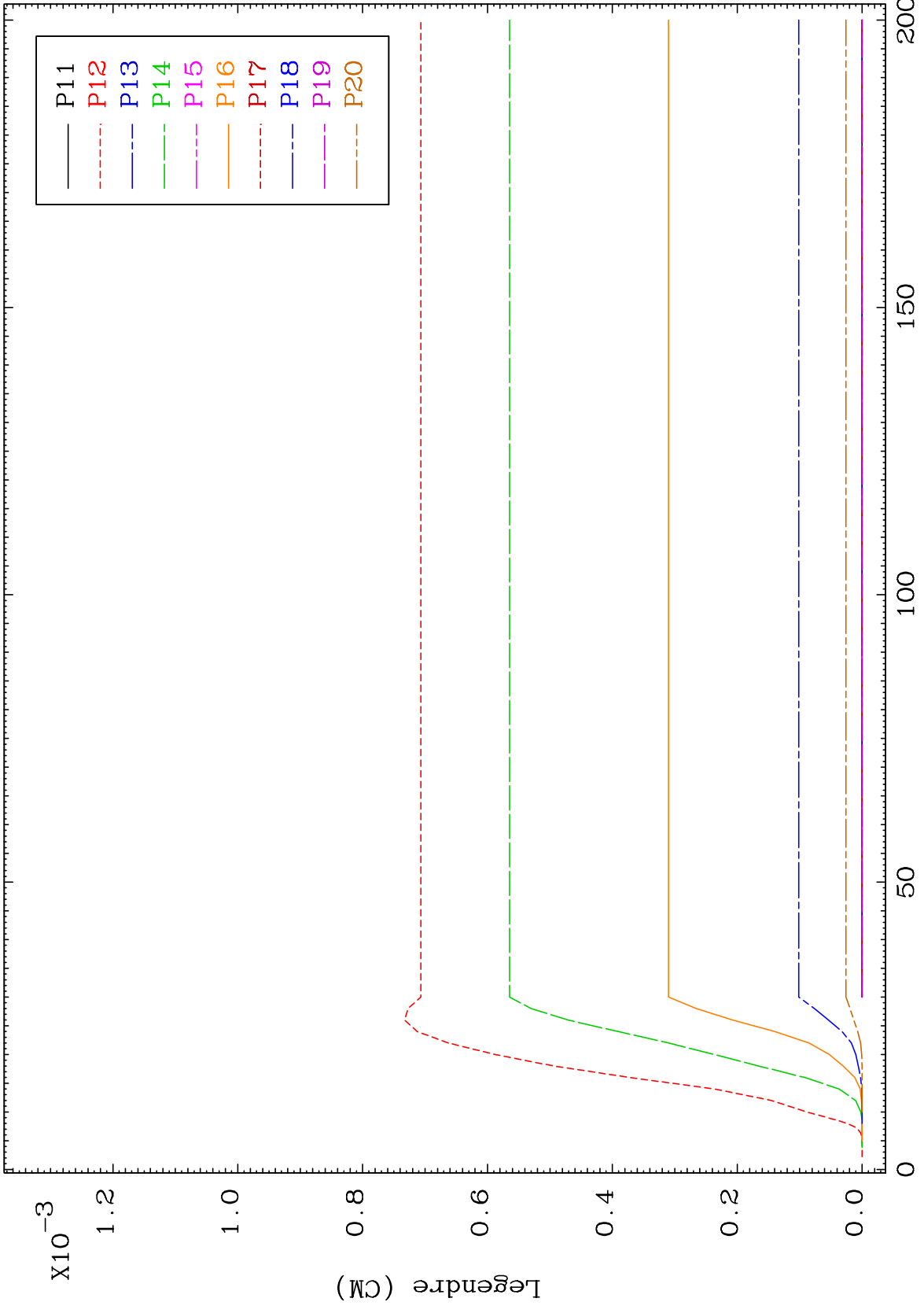
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



57

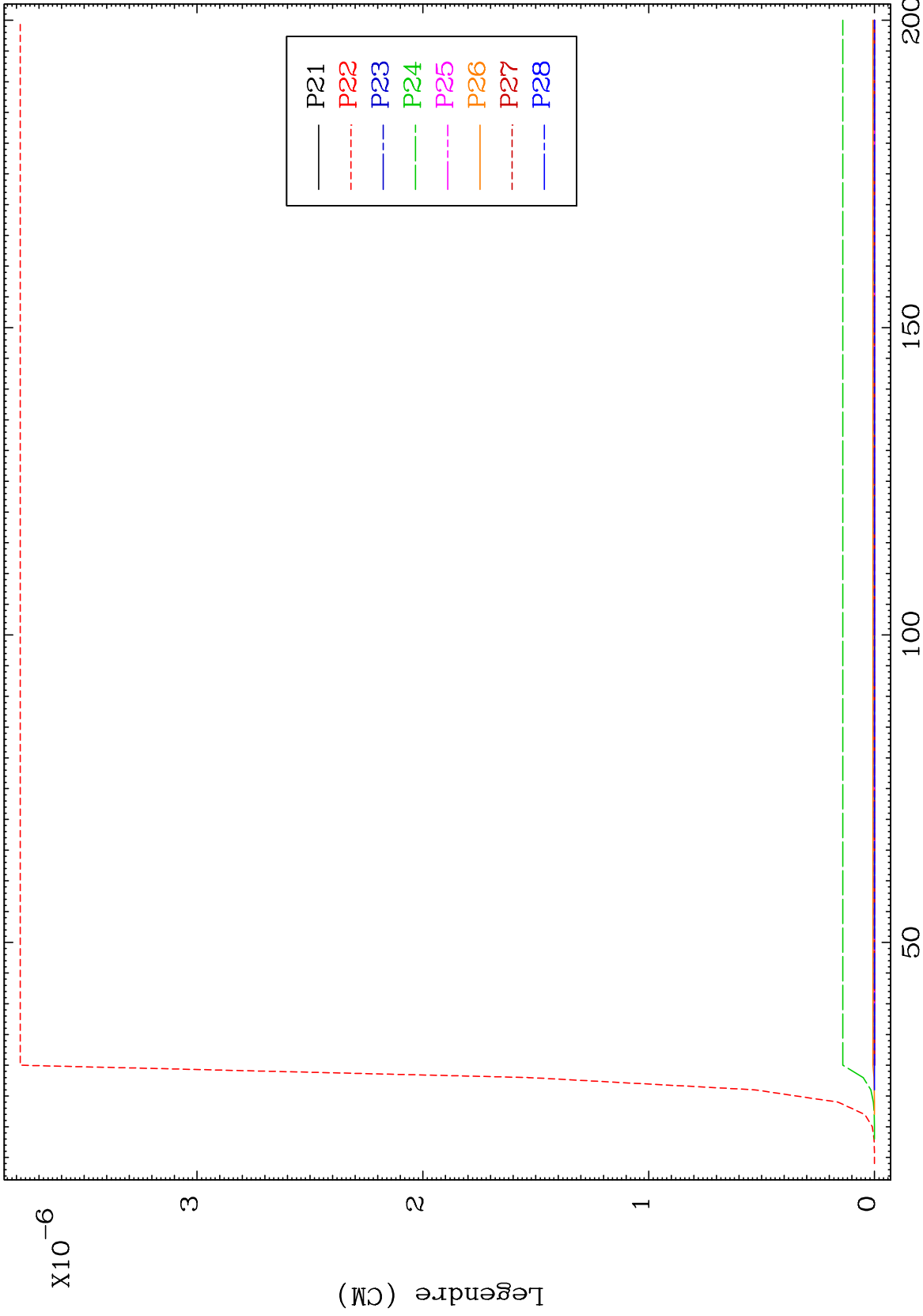
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



58

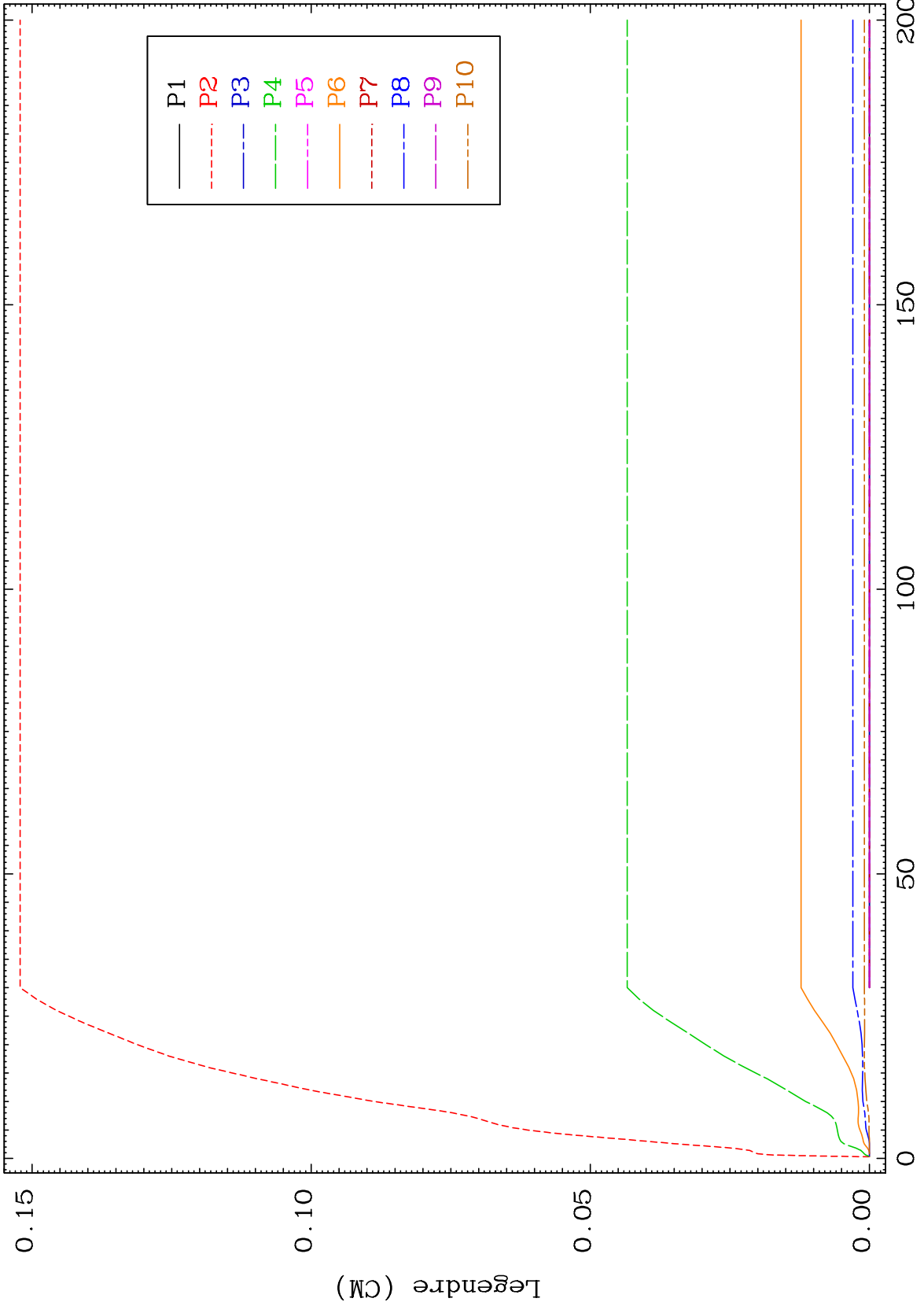
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



59

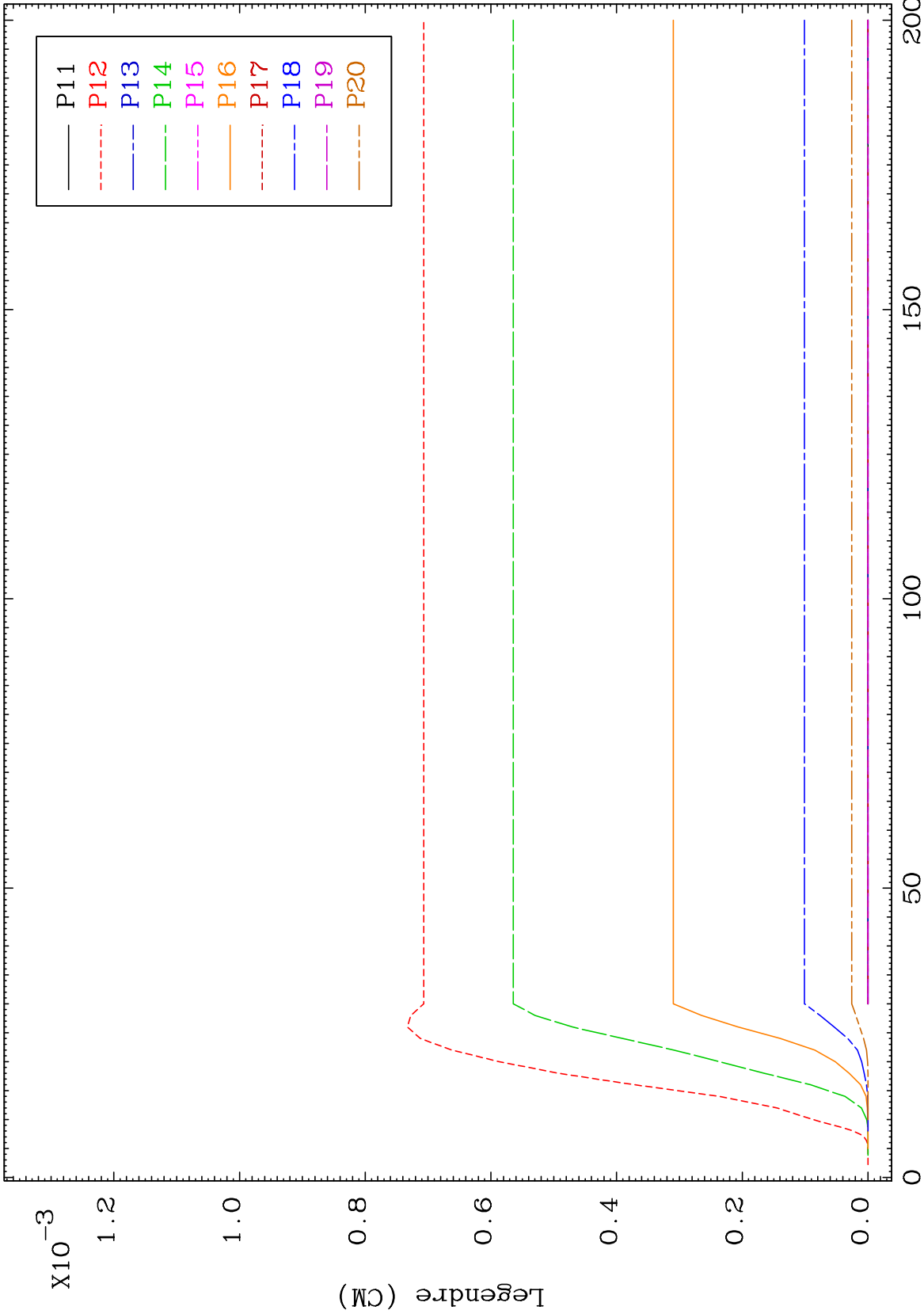
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



60

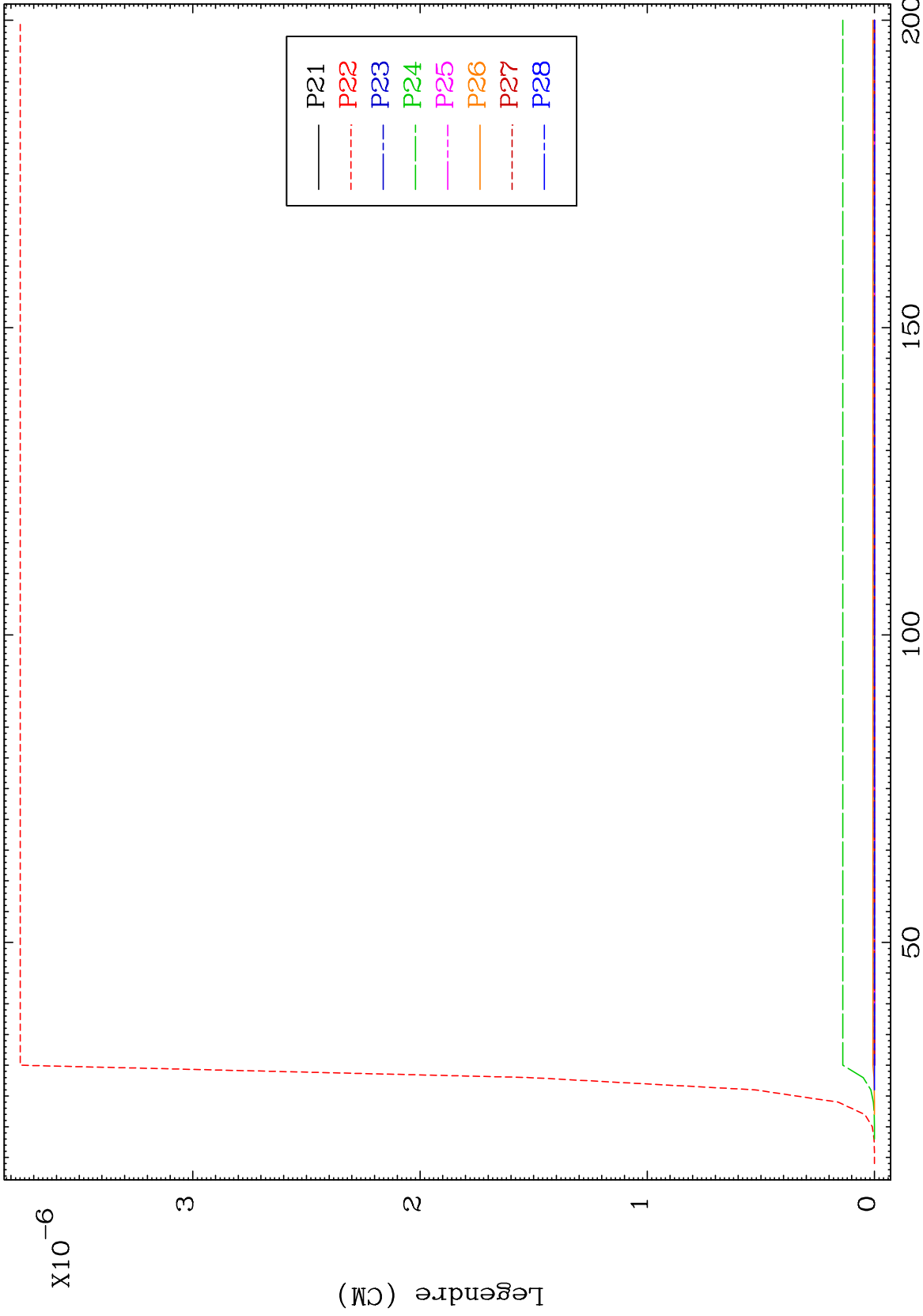
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



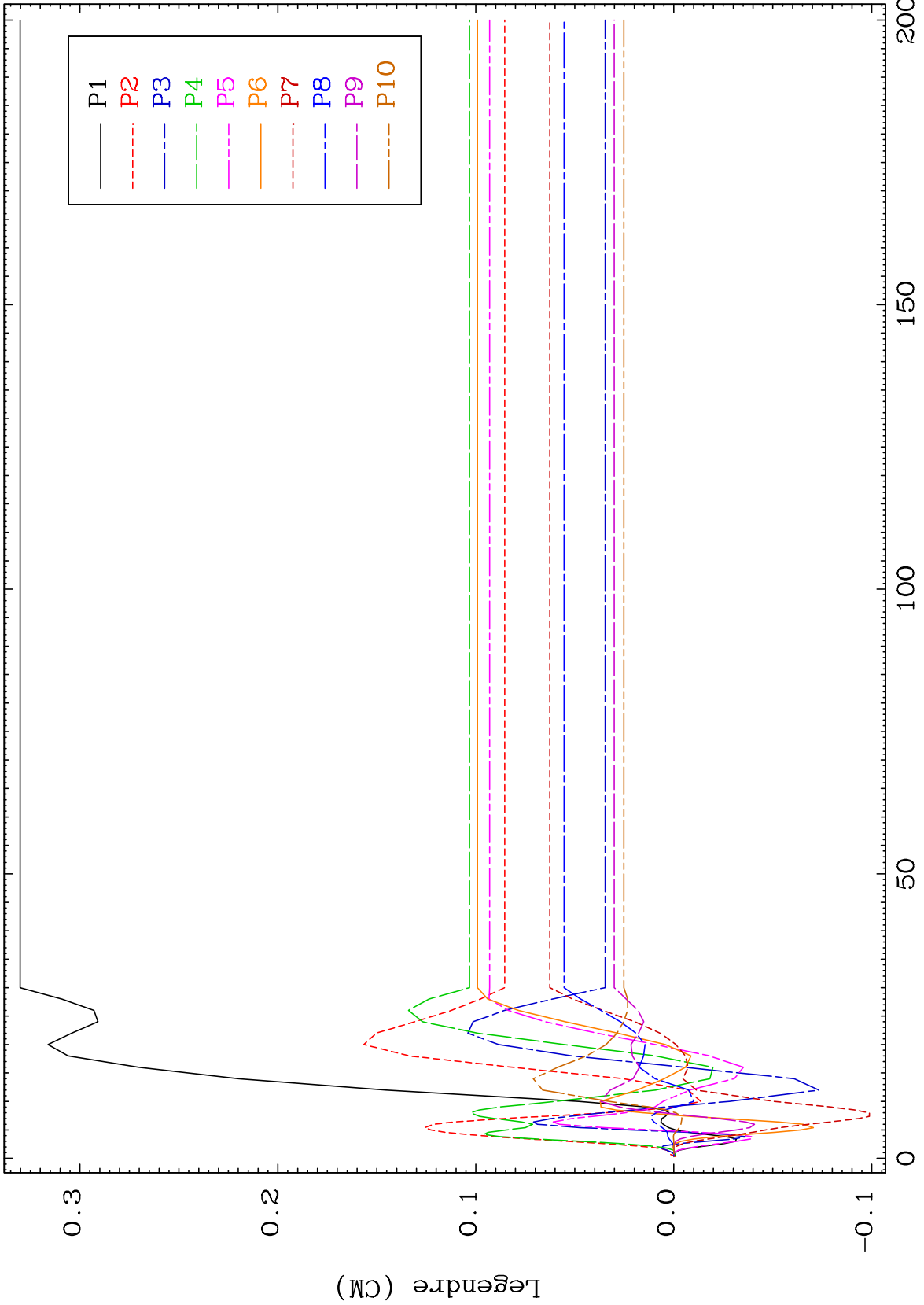
61

79-Au-196

MAT 7922

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

79-Au-196

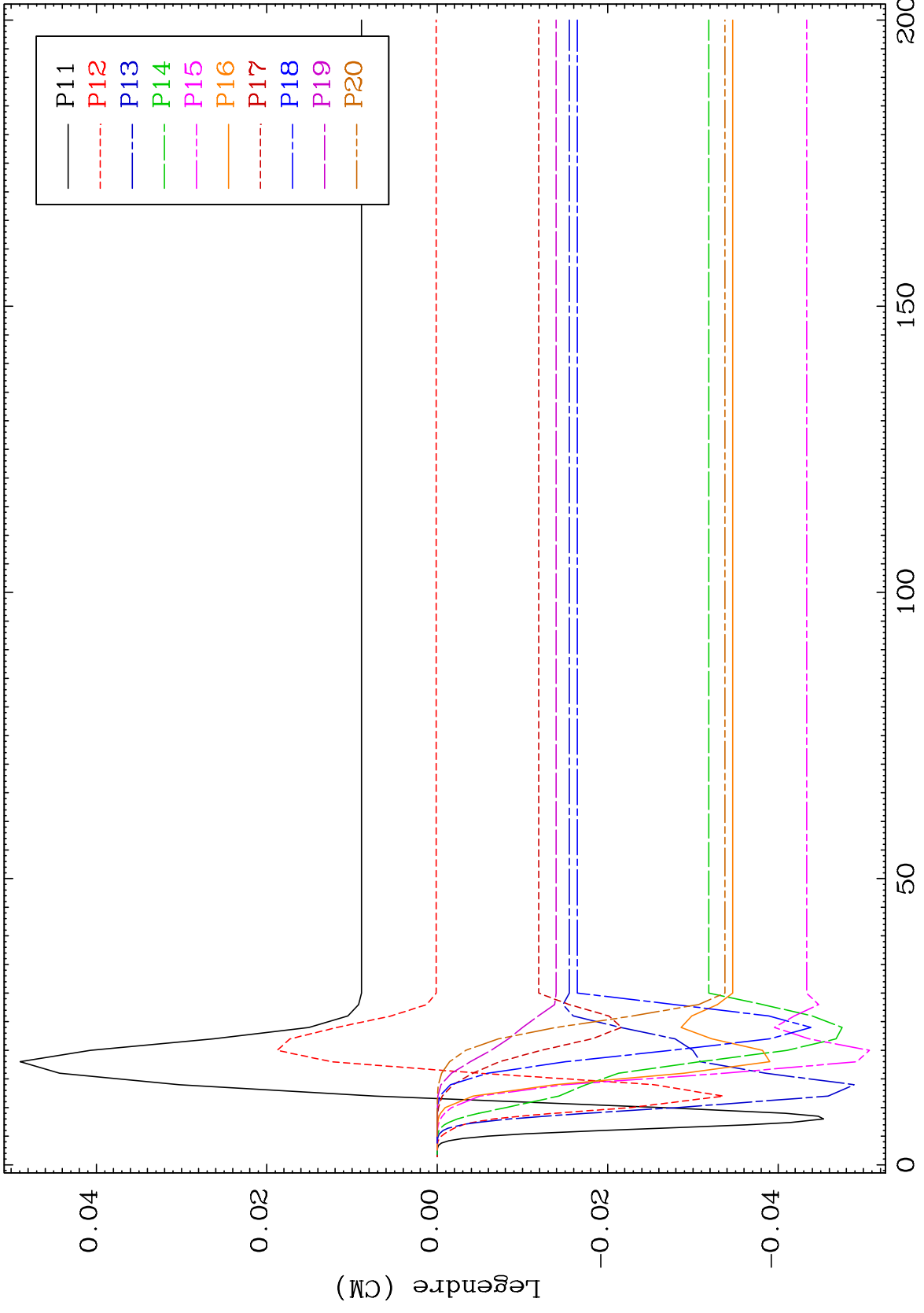


62

Incident Energy (MeV)

79-Au-196

MAT 7922 MT= 64 (n,n') Level Legendre Coefficients 79-Au-196



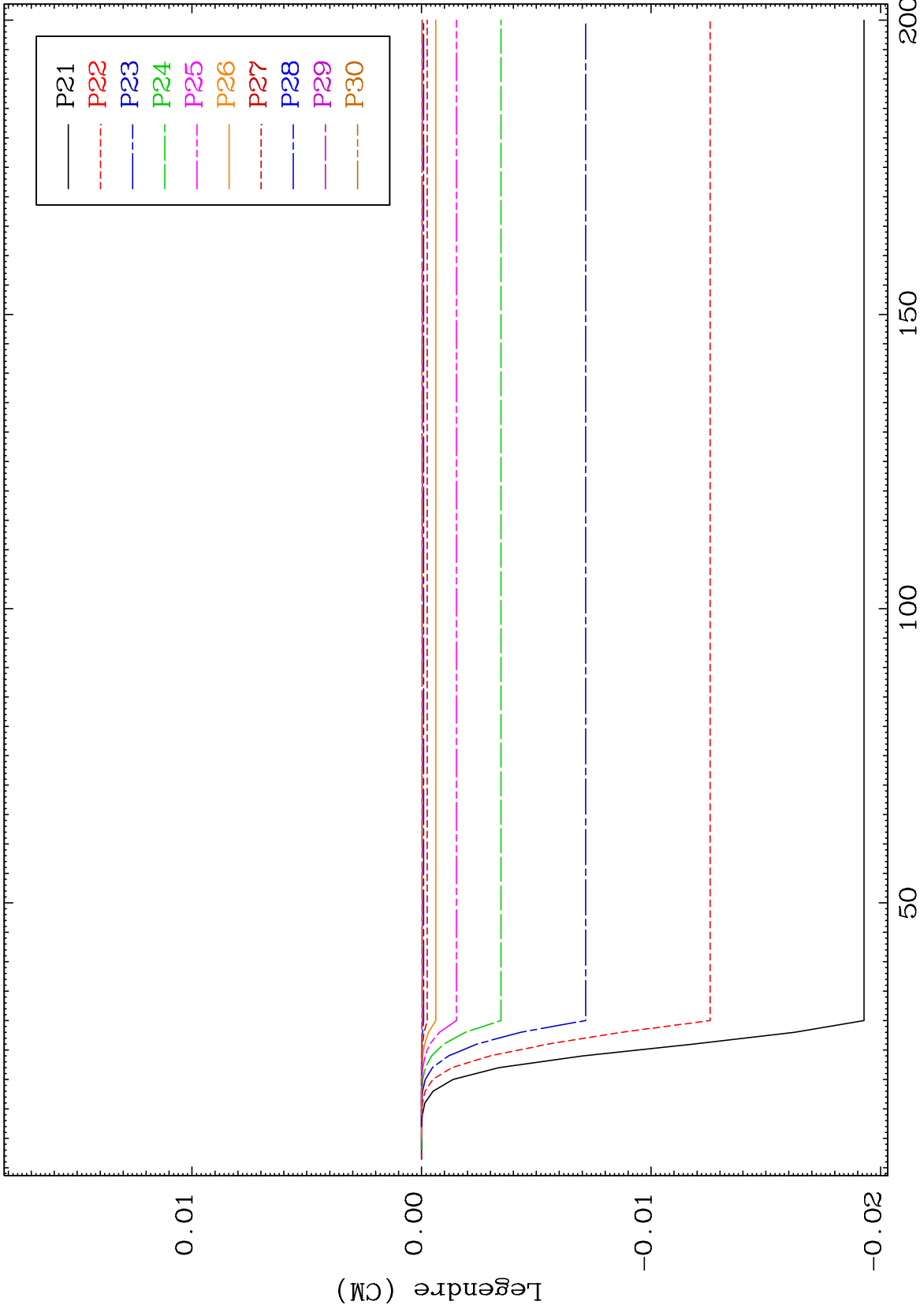
63 79-Au-196



MAT 7922

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

79-Au-196



64

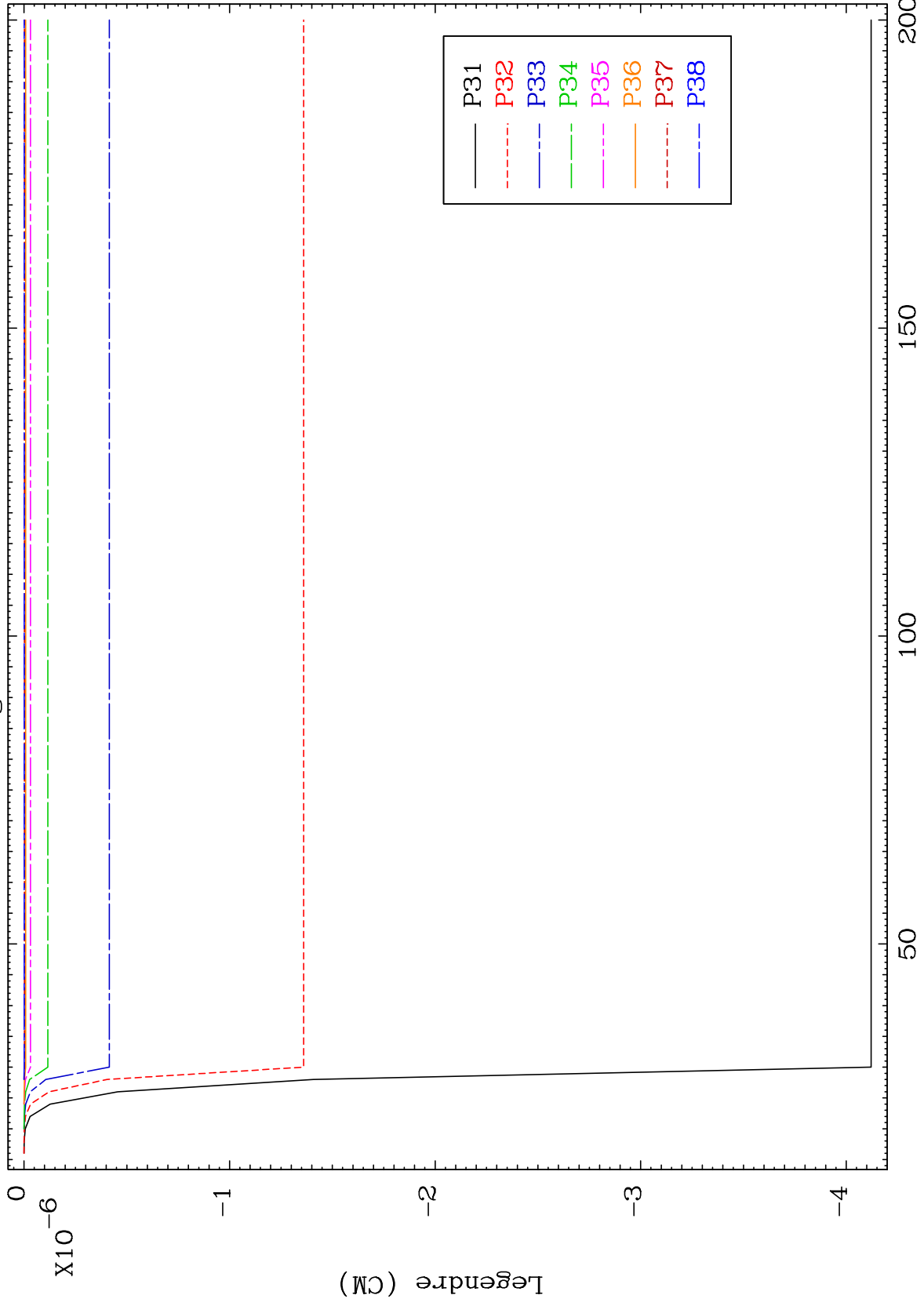
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



79-Au-196

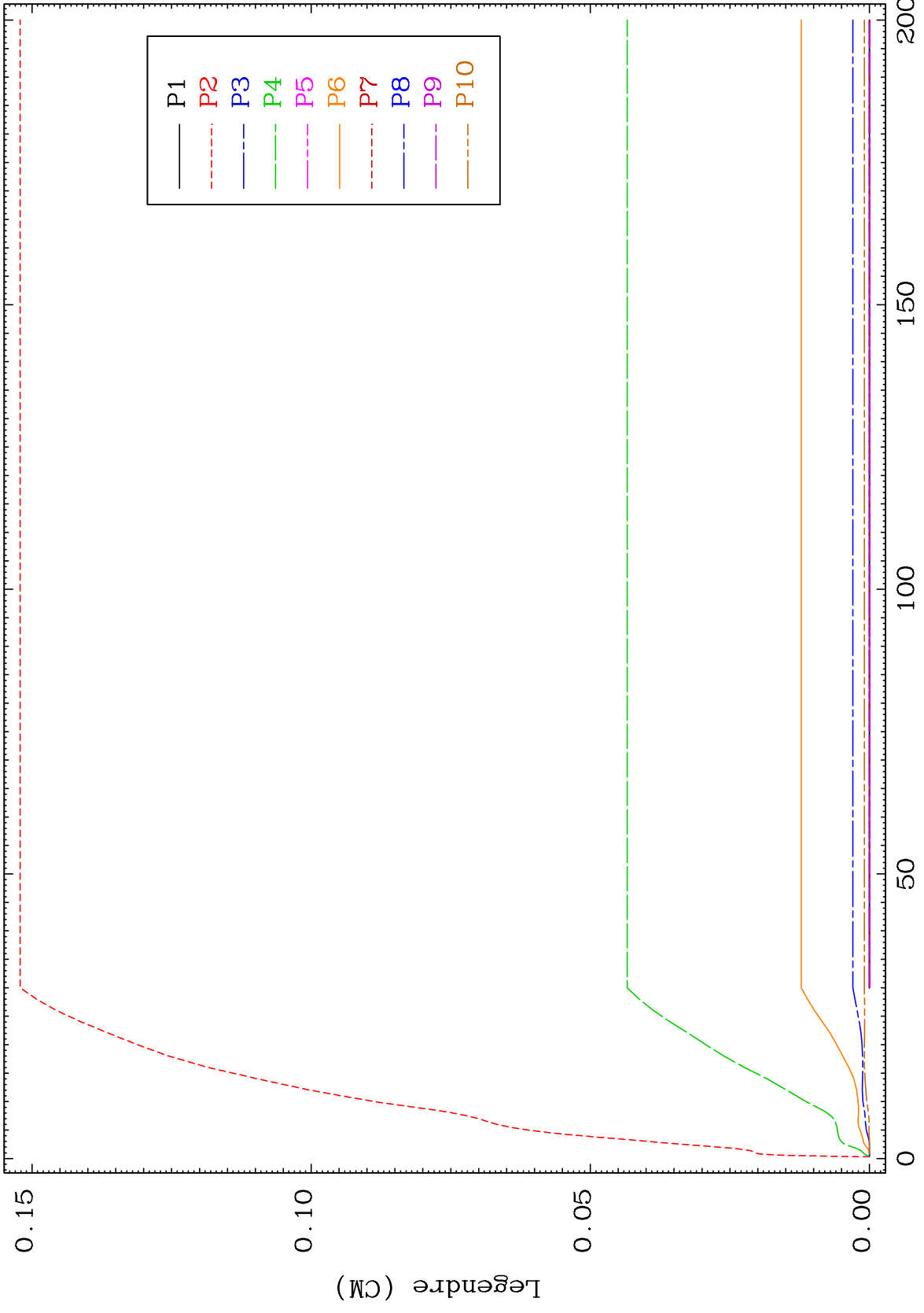
Incident Energy (MeV)

65

MAT 7922

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

79-Au-196



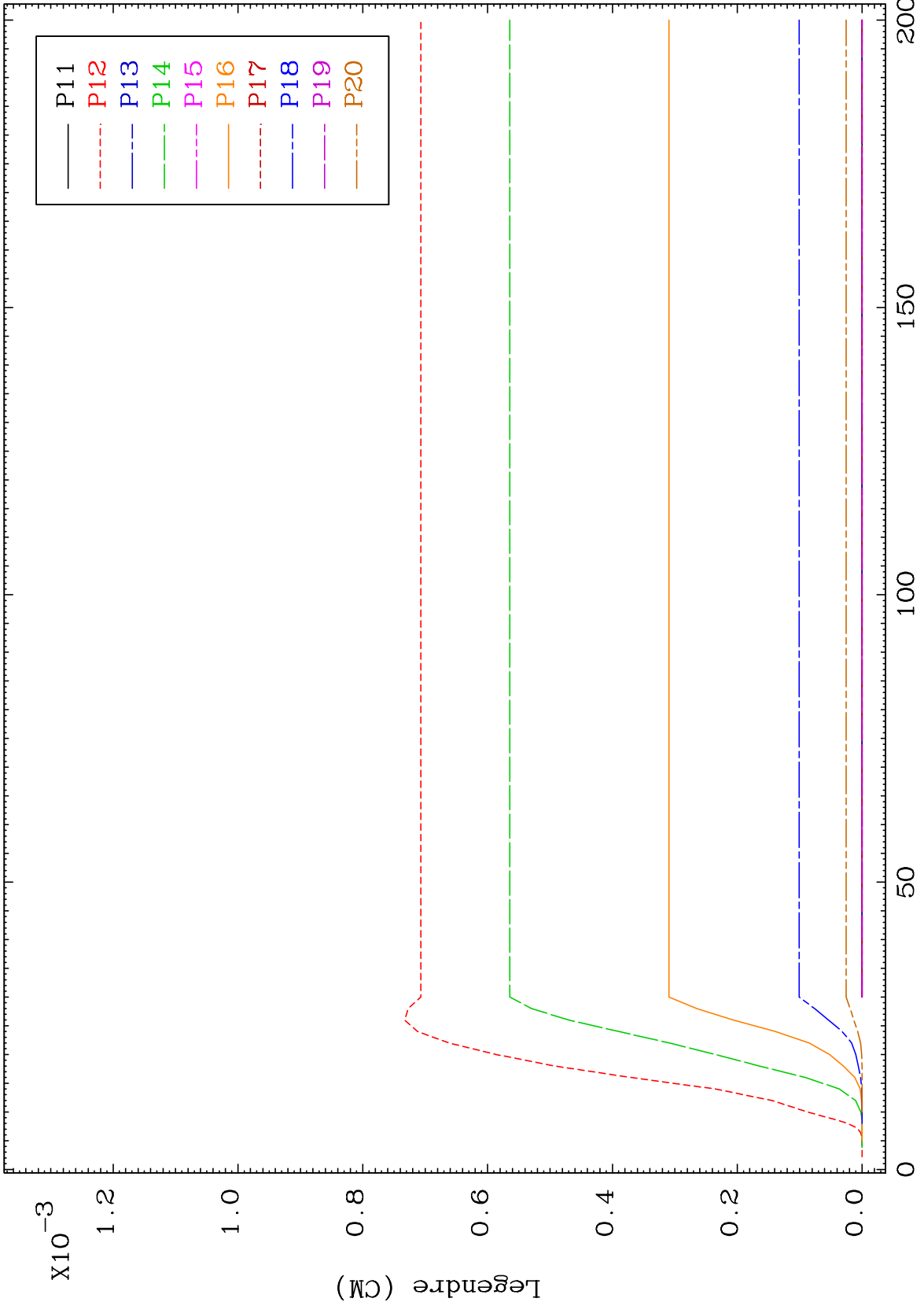
66

79-Au-196

MAT 7922

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

79-Au-196



67

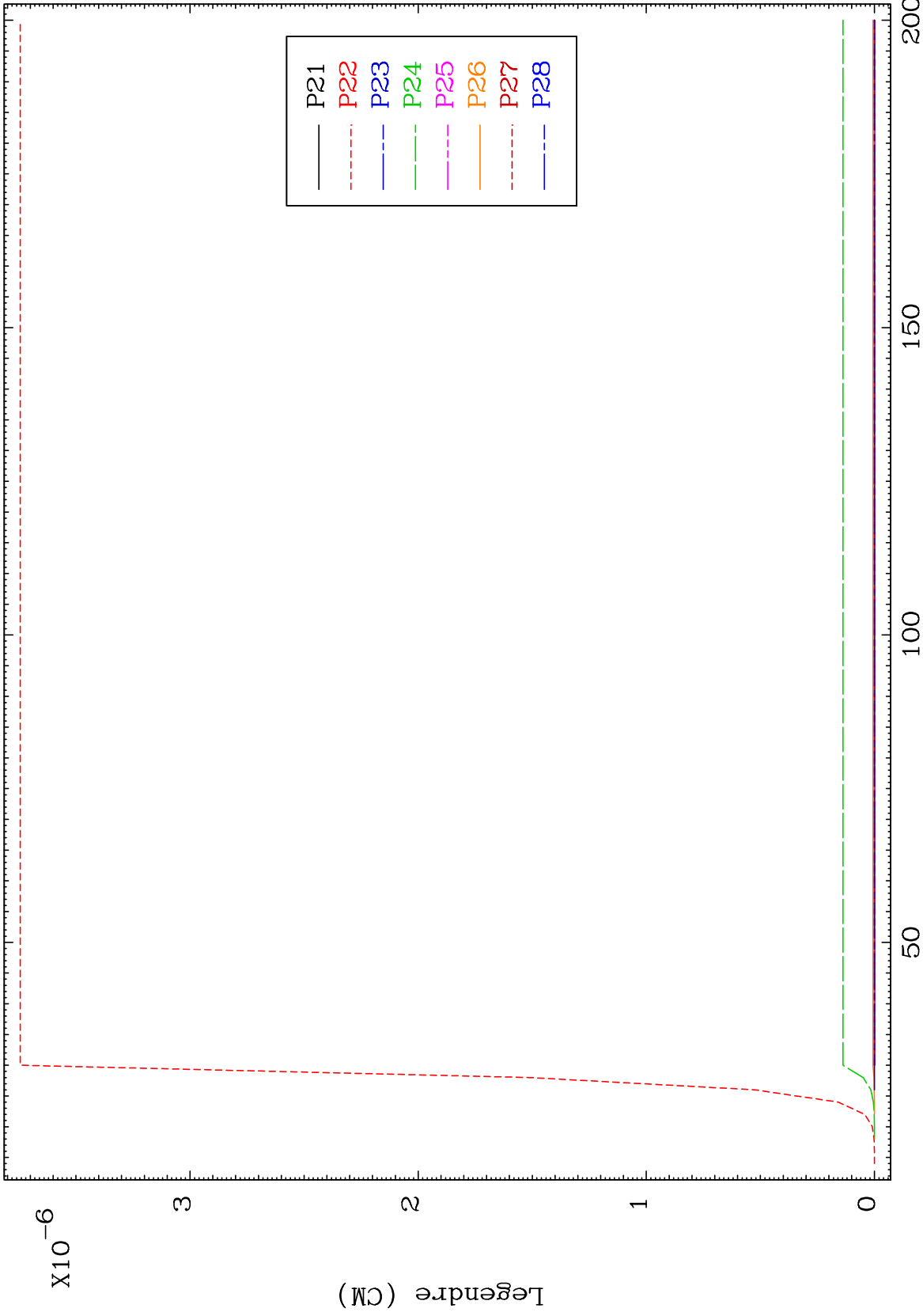
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



68

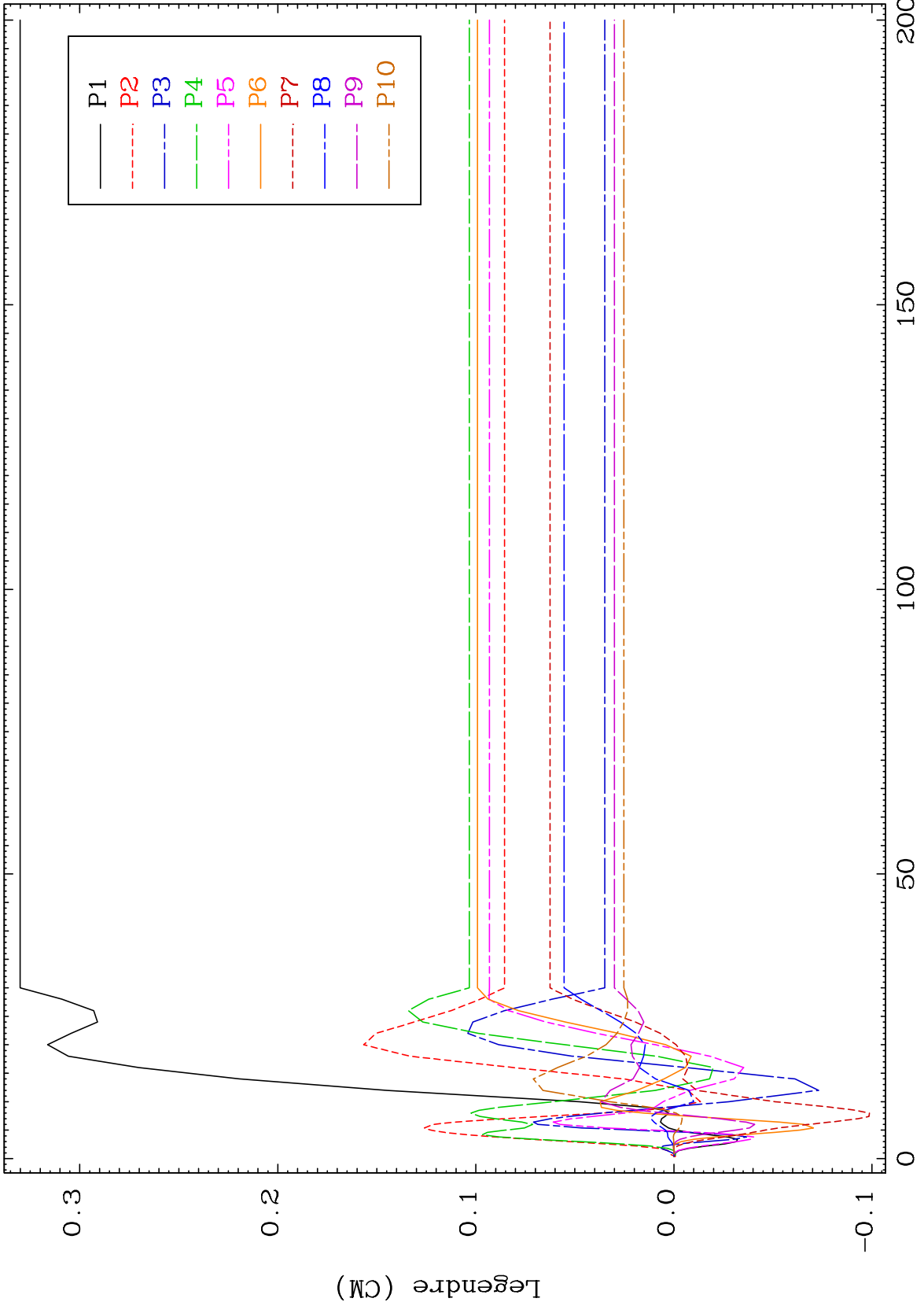
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196

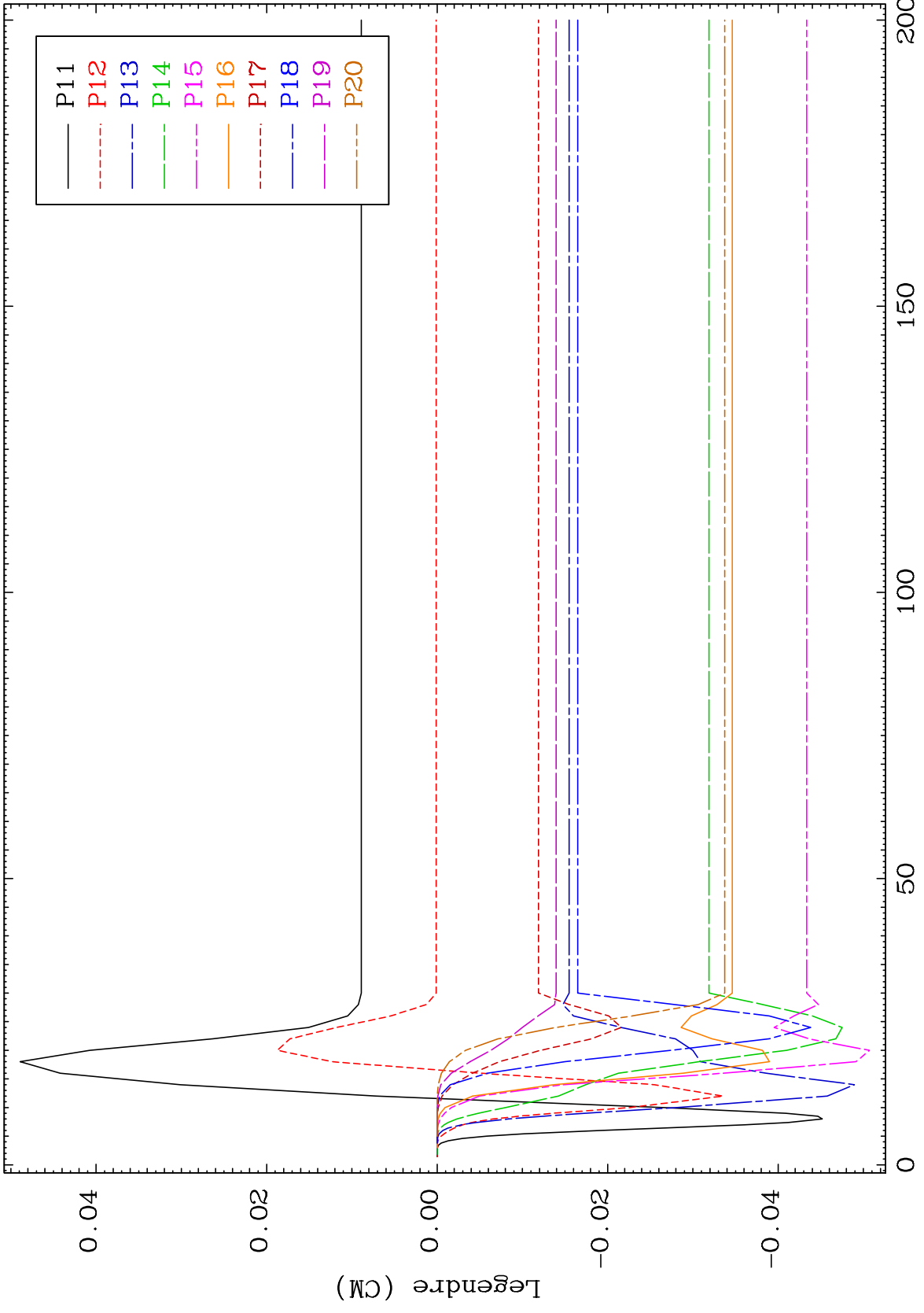


69

Incident Energy (MeV)

79-Au-196

MAT 7922 MT= 66 (n,n') Level Legendre Coefficients 79-Au-196

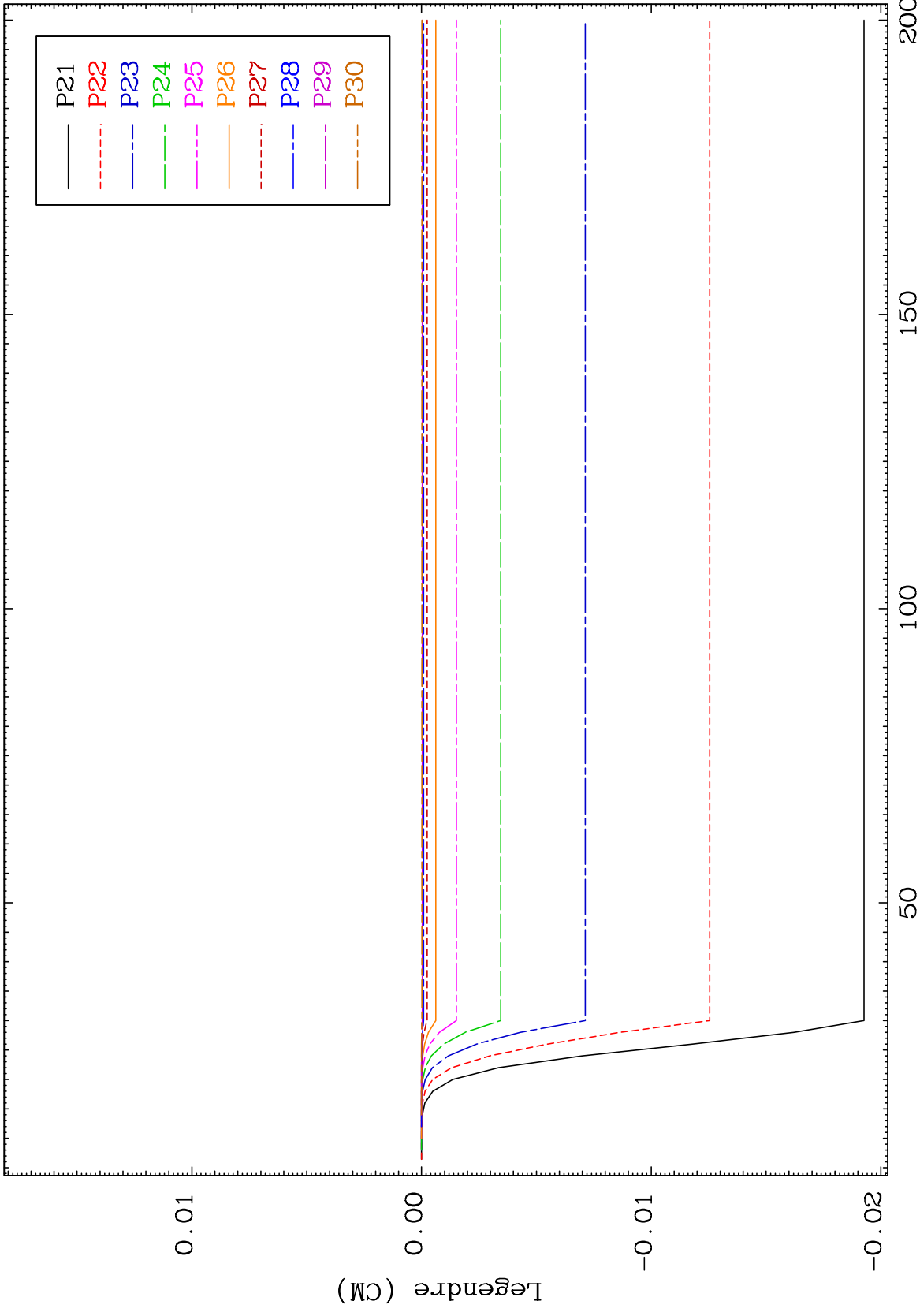


79-Au-196

MAT 7922

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

79-Au-196



71

Incident Energy (MeV)

79-Au-196

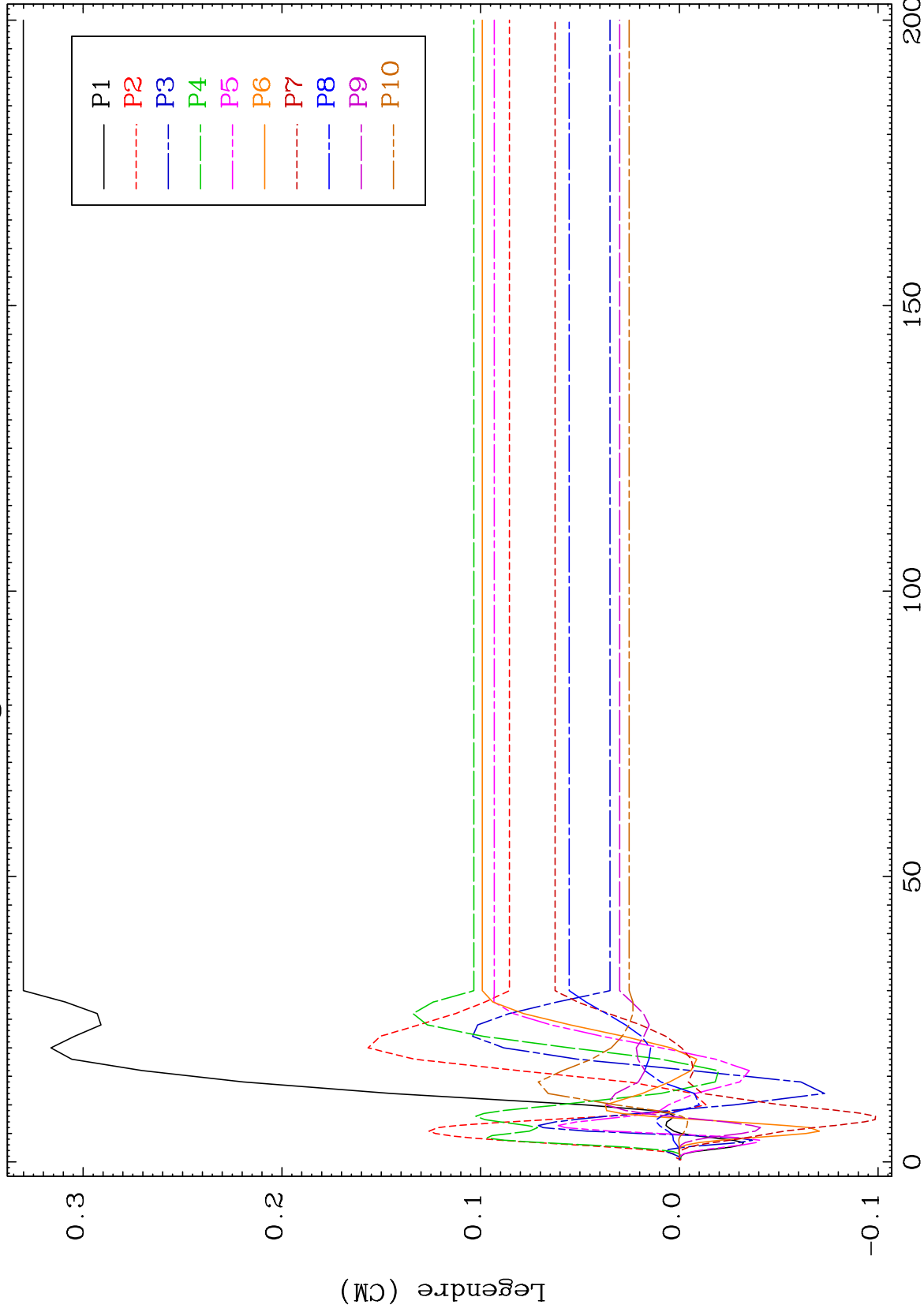




MAT 7922

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

79-Au-196



73

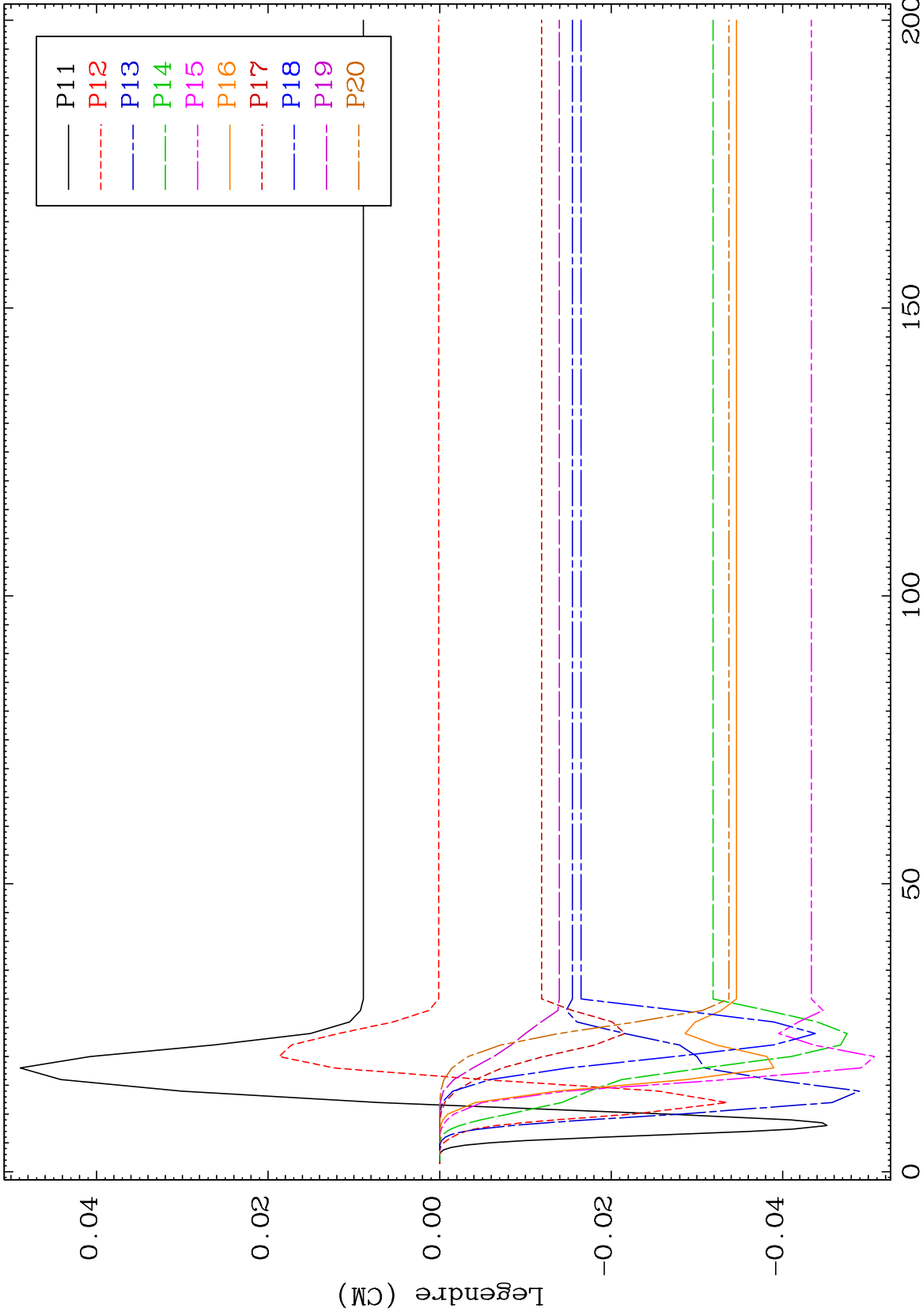
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



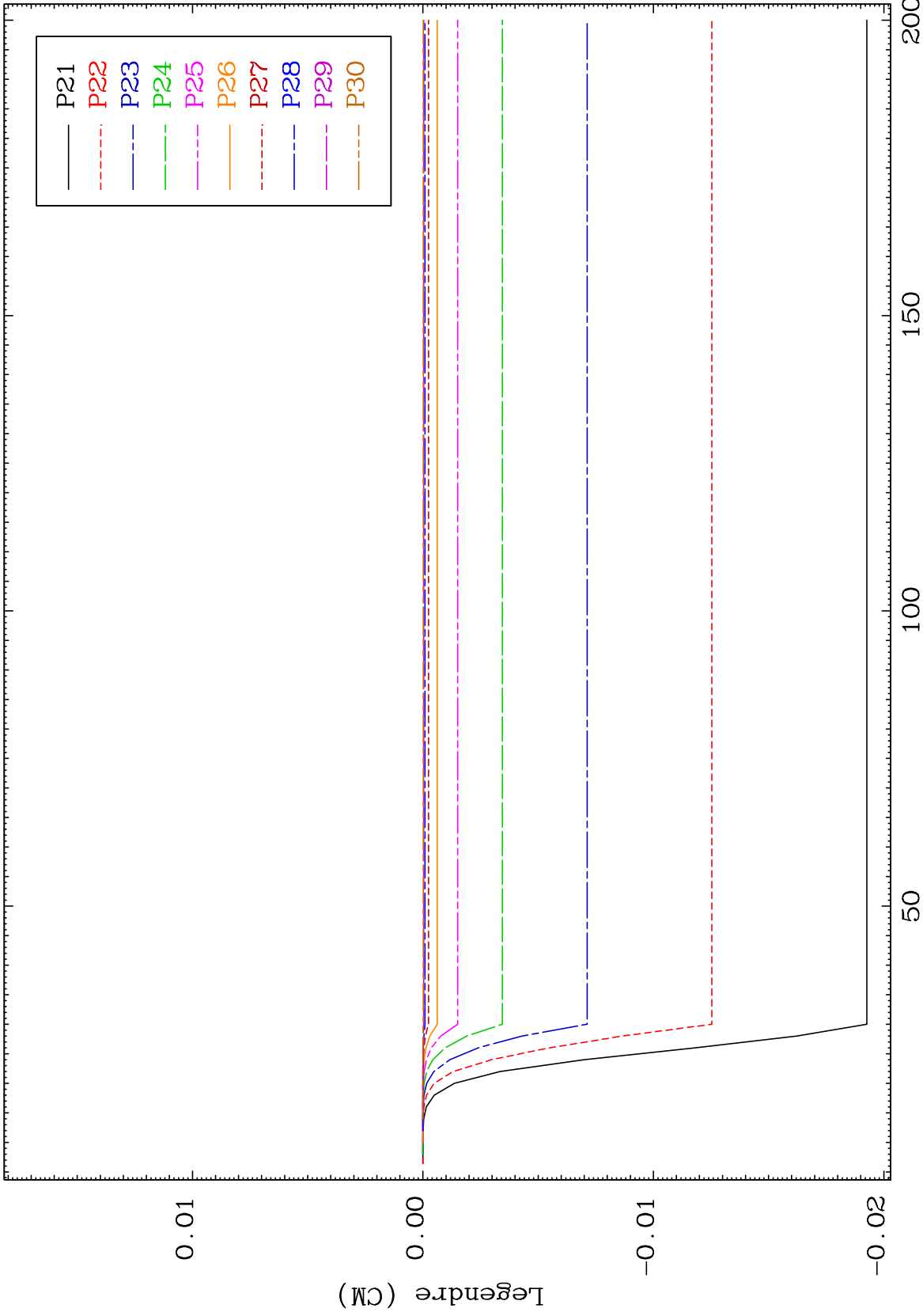
74

79-Au-196

MAT 7922

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

79-Au-196



75

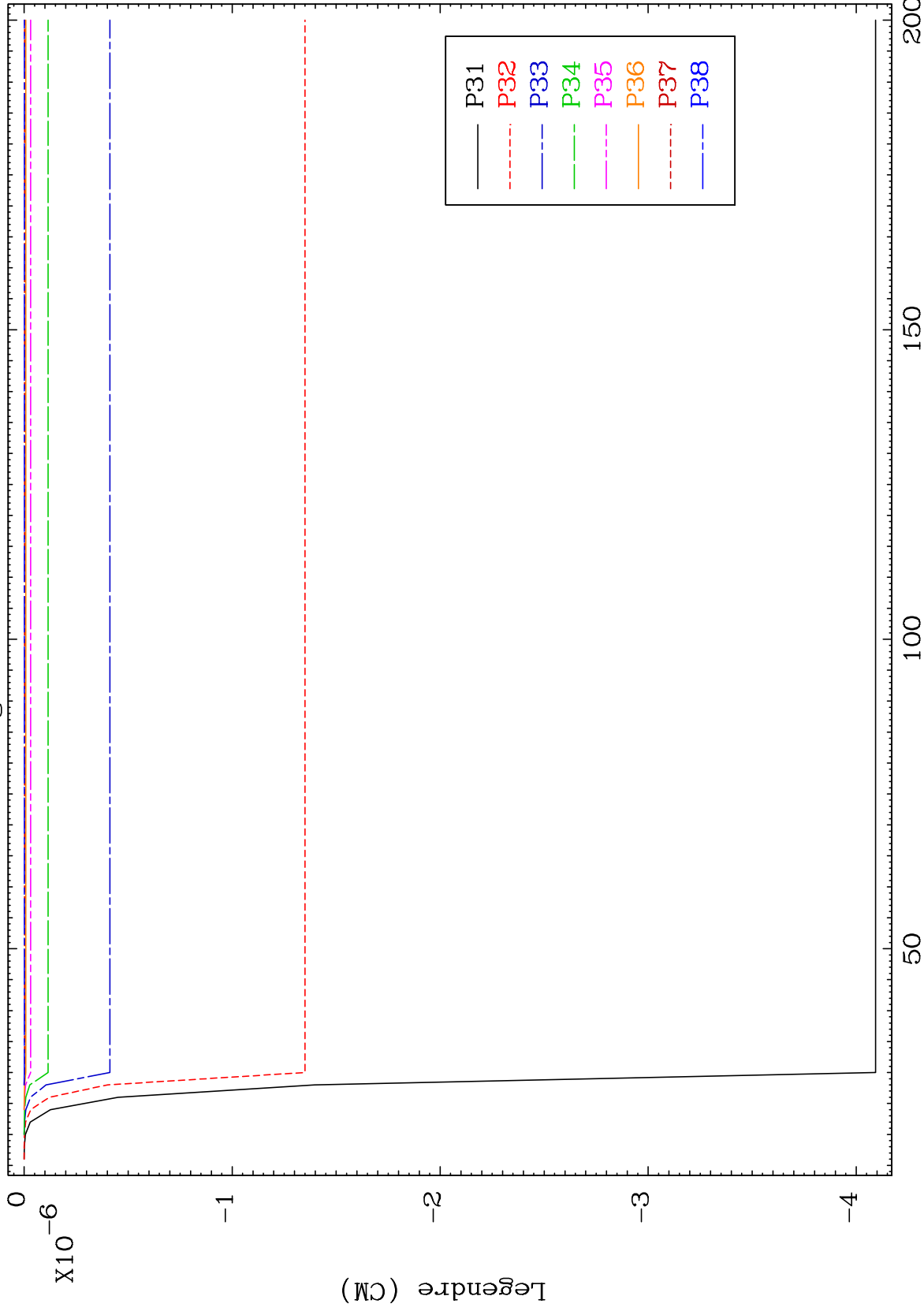
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



79-Au-196

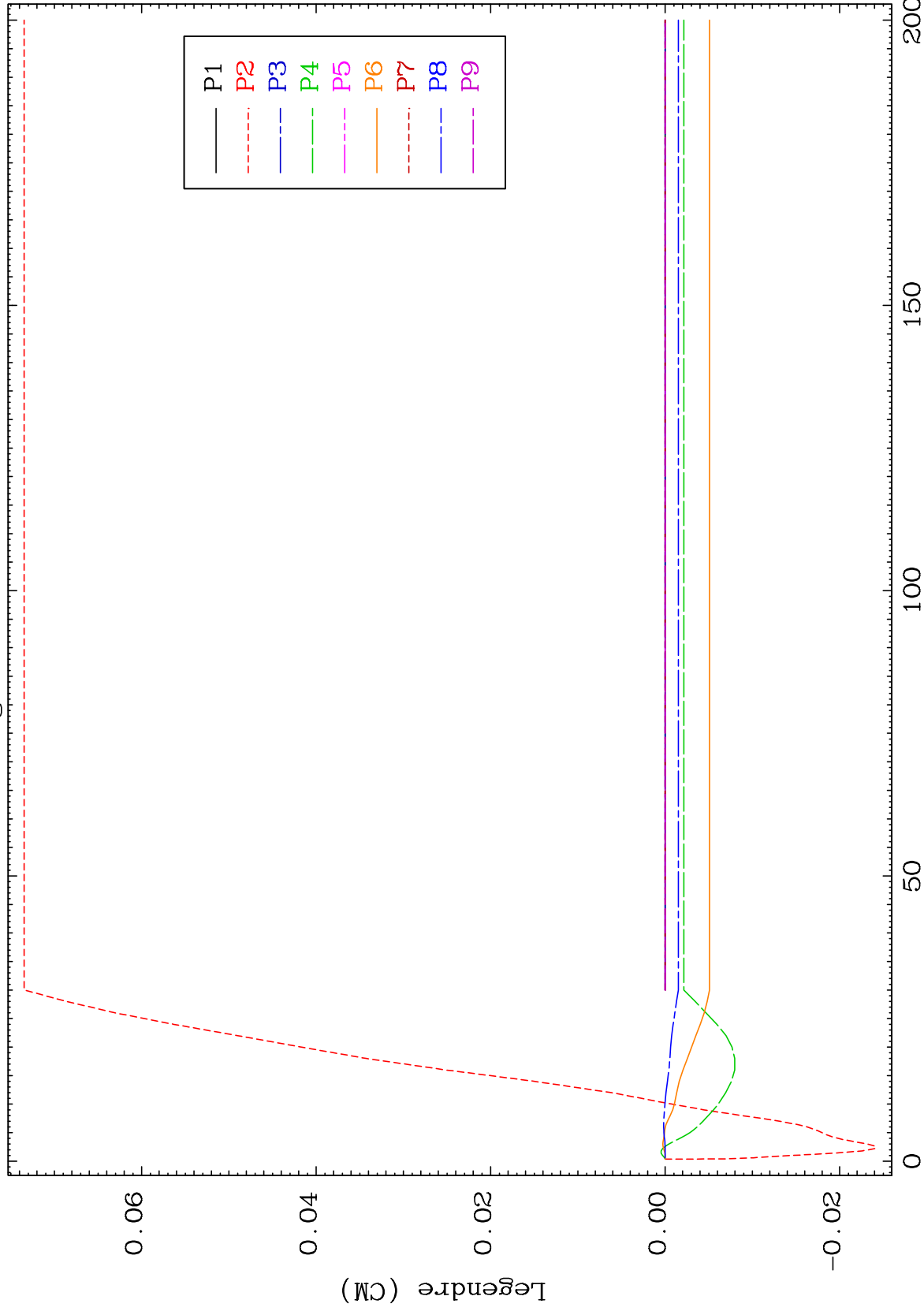
Incident Energy (MeV)

76

MAT 7922

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

79-Au-196



77

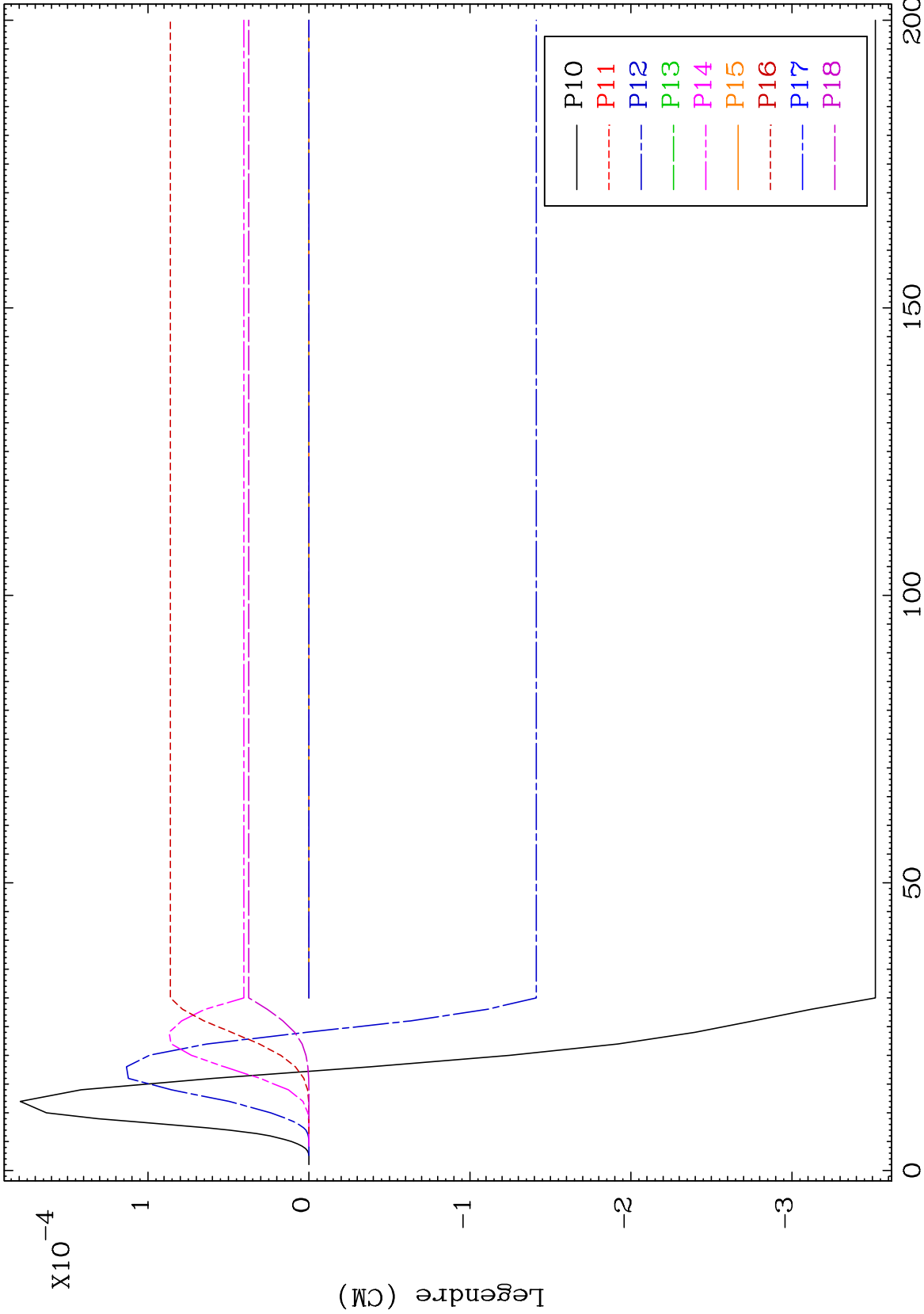
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



78

Incident Energy (MeV)

79-Au-196

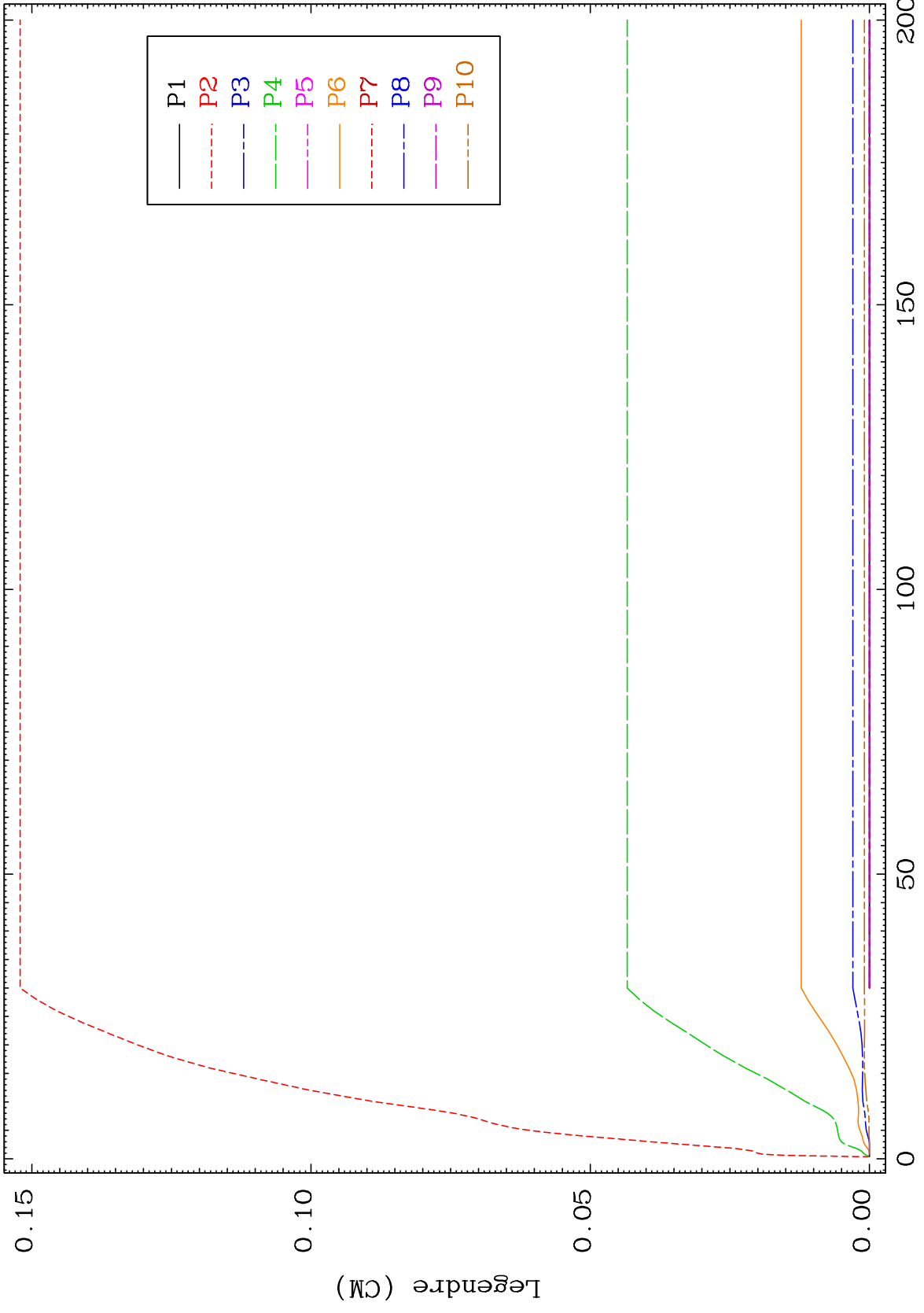




MAT 7922

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

79-Au-196



79-Au-196

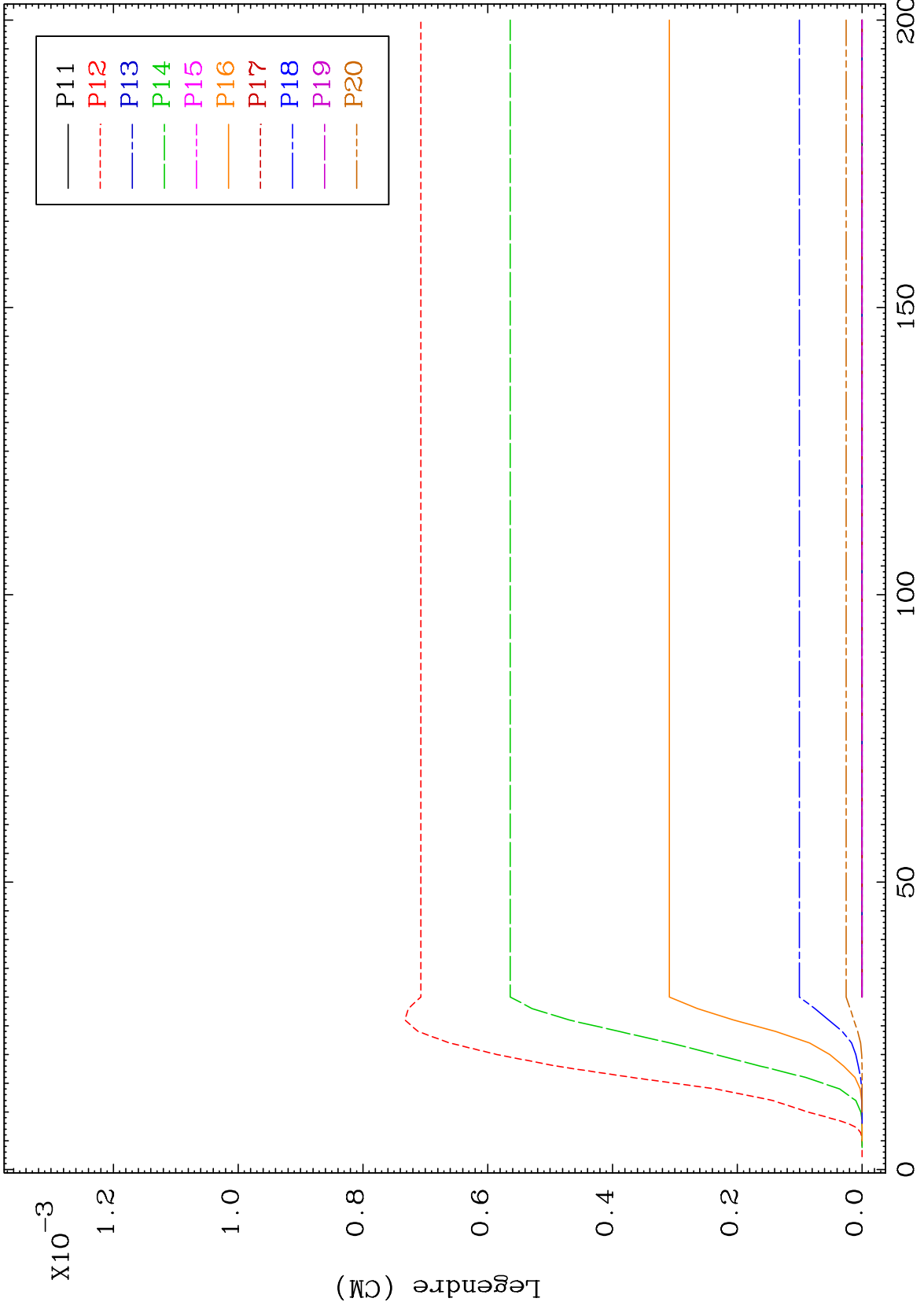
Incident Energy (MeV)

80

MAT 7922

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

79-Au-196



81

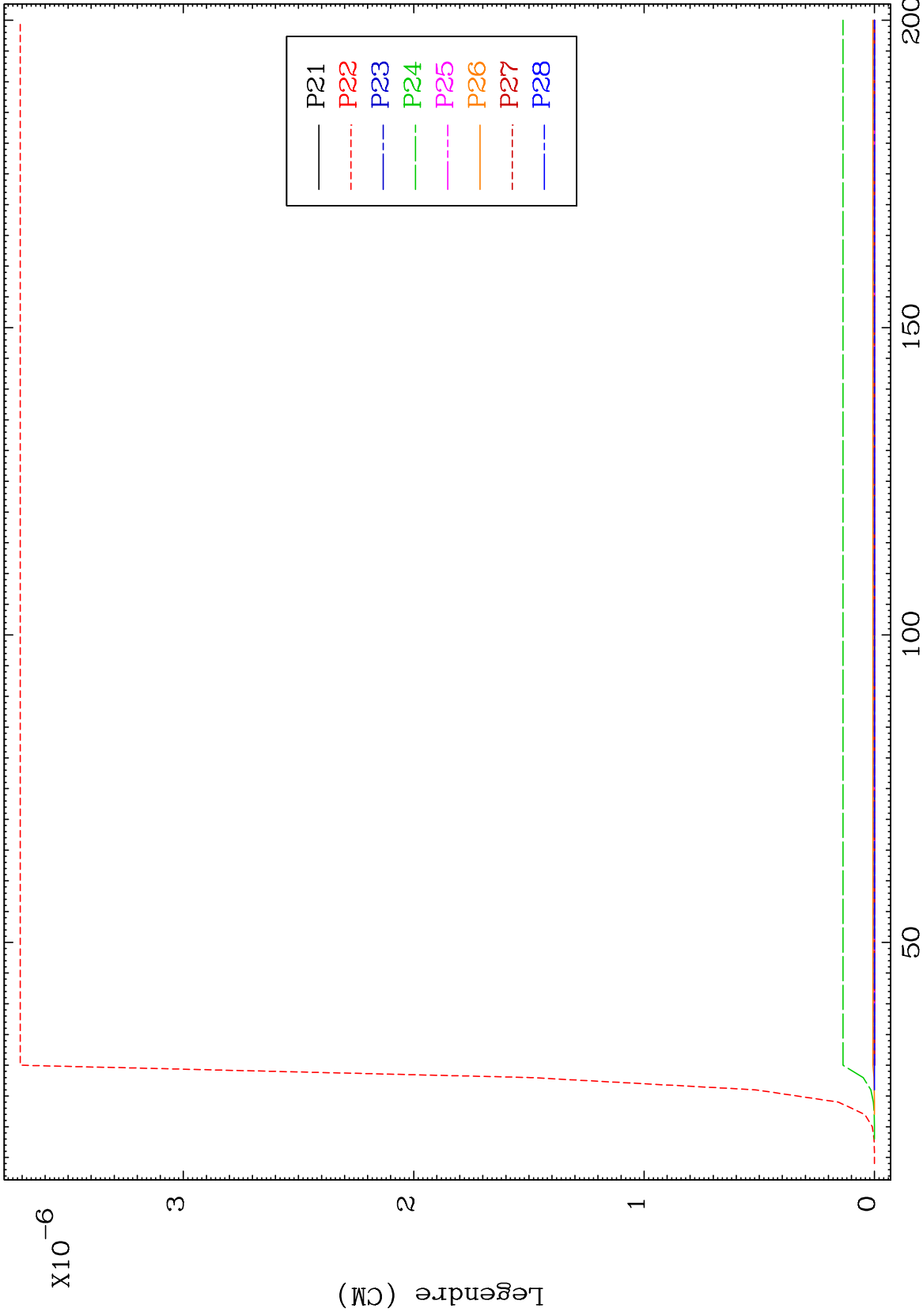
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



82

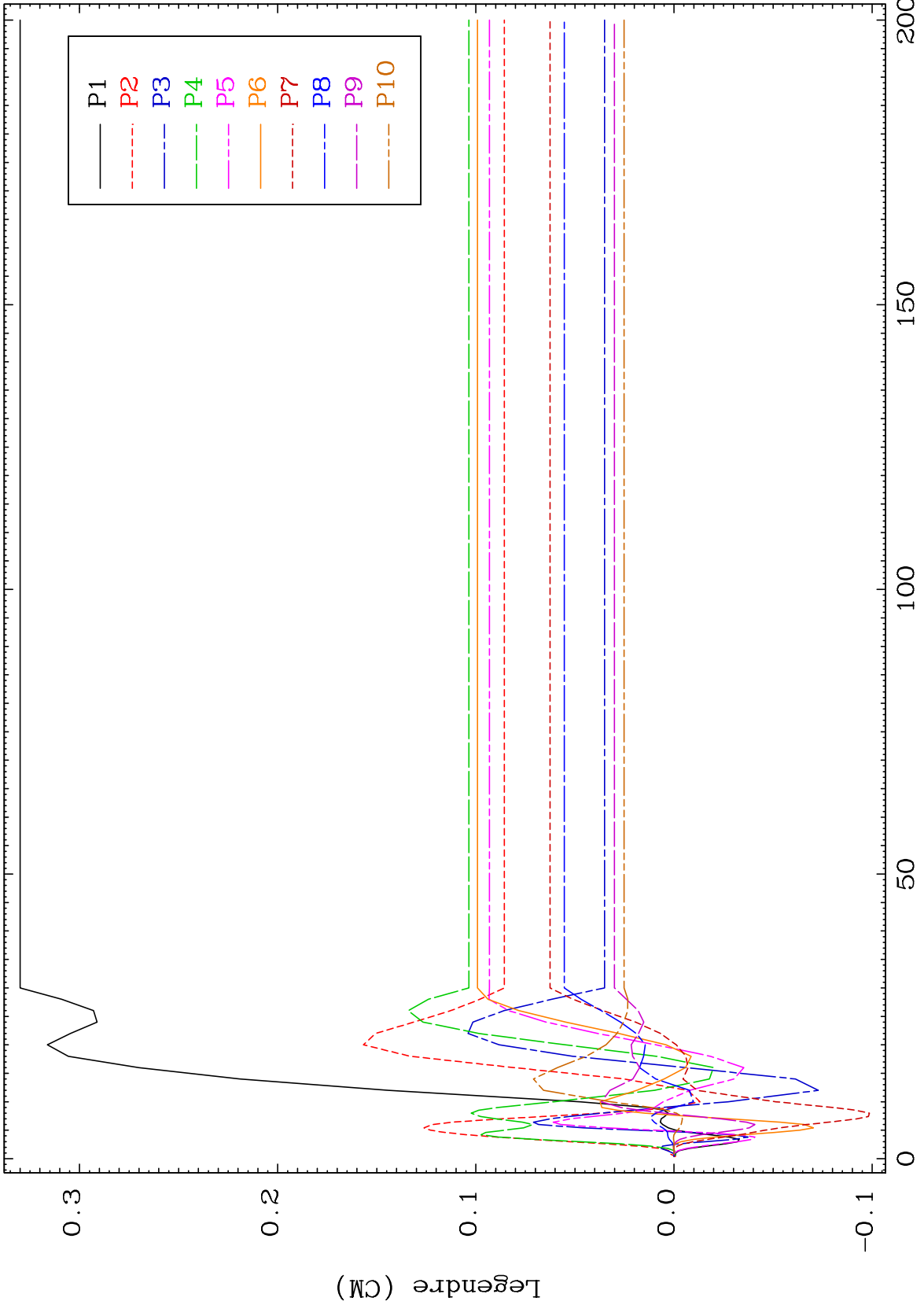
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



83

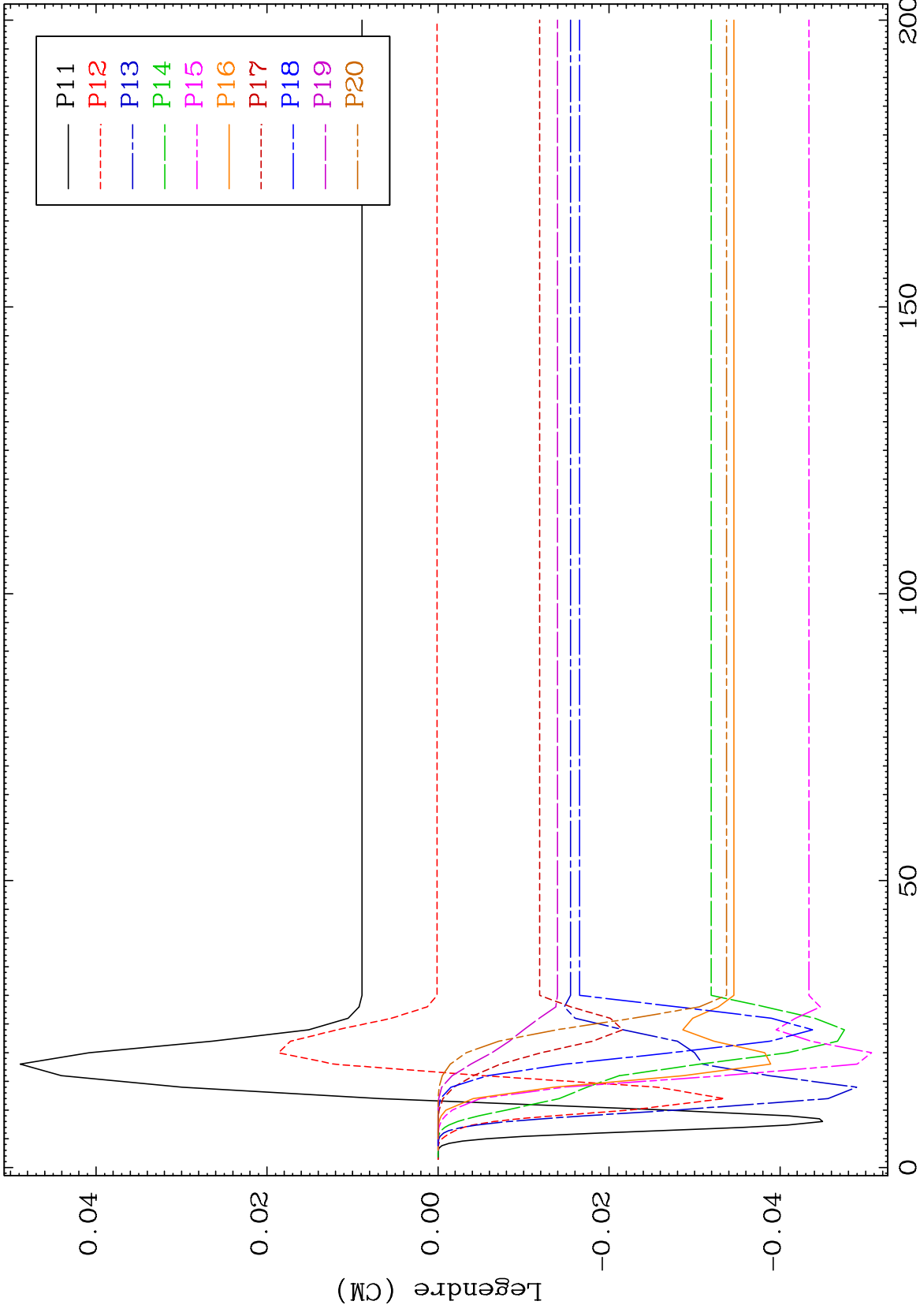
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



84

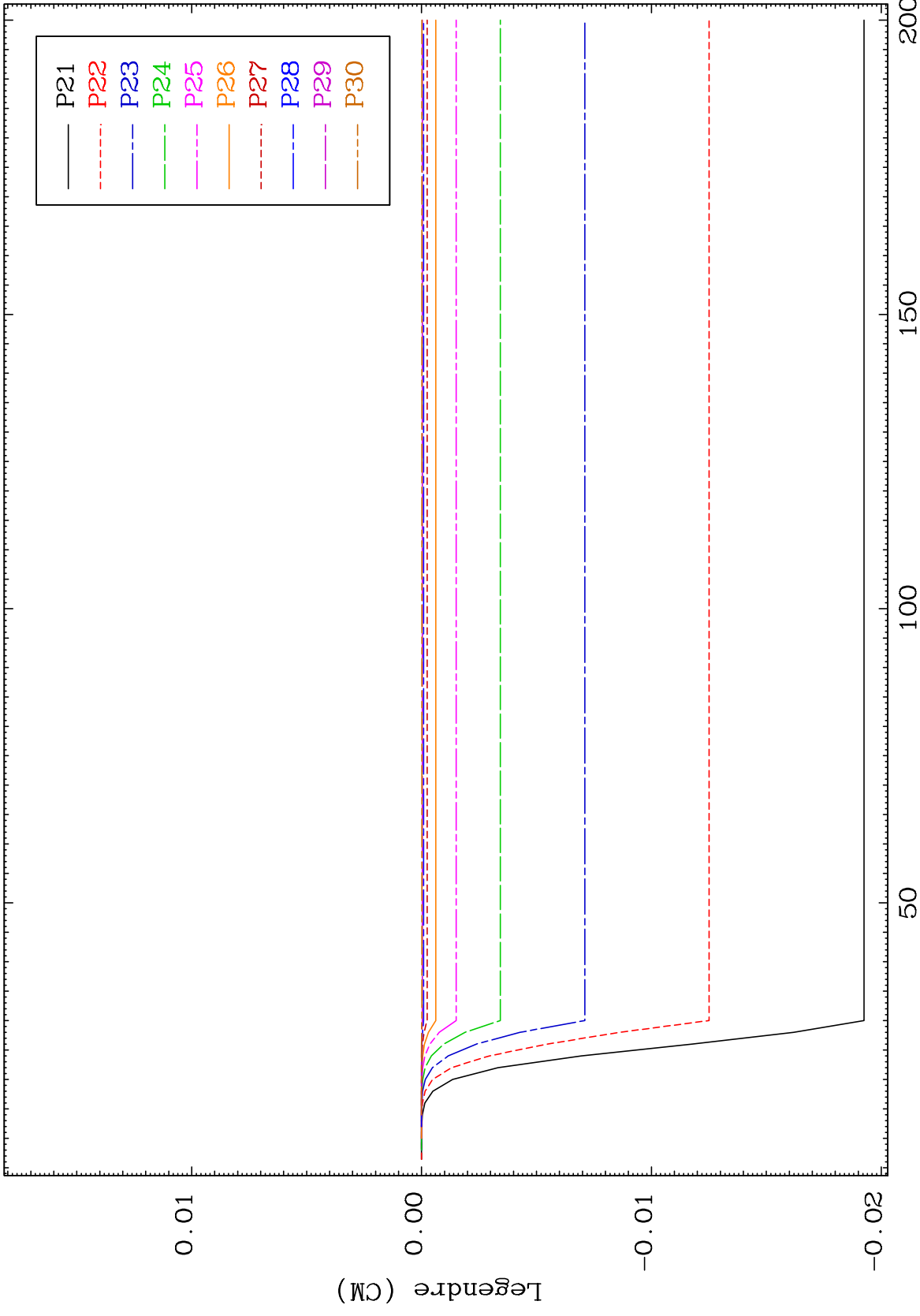
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



85

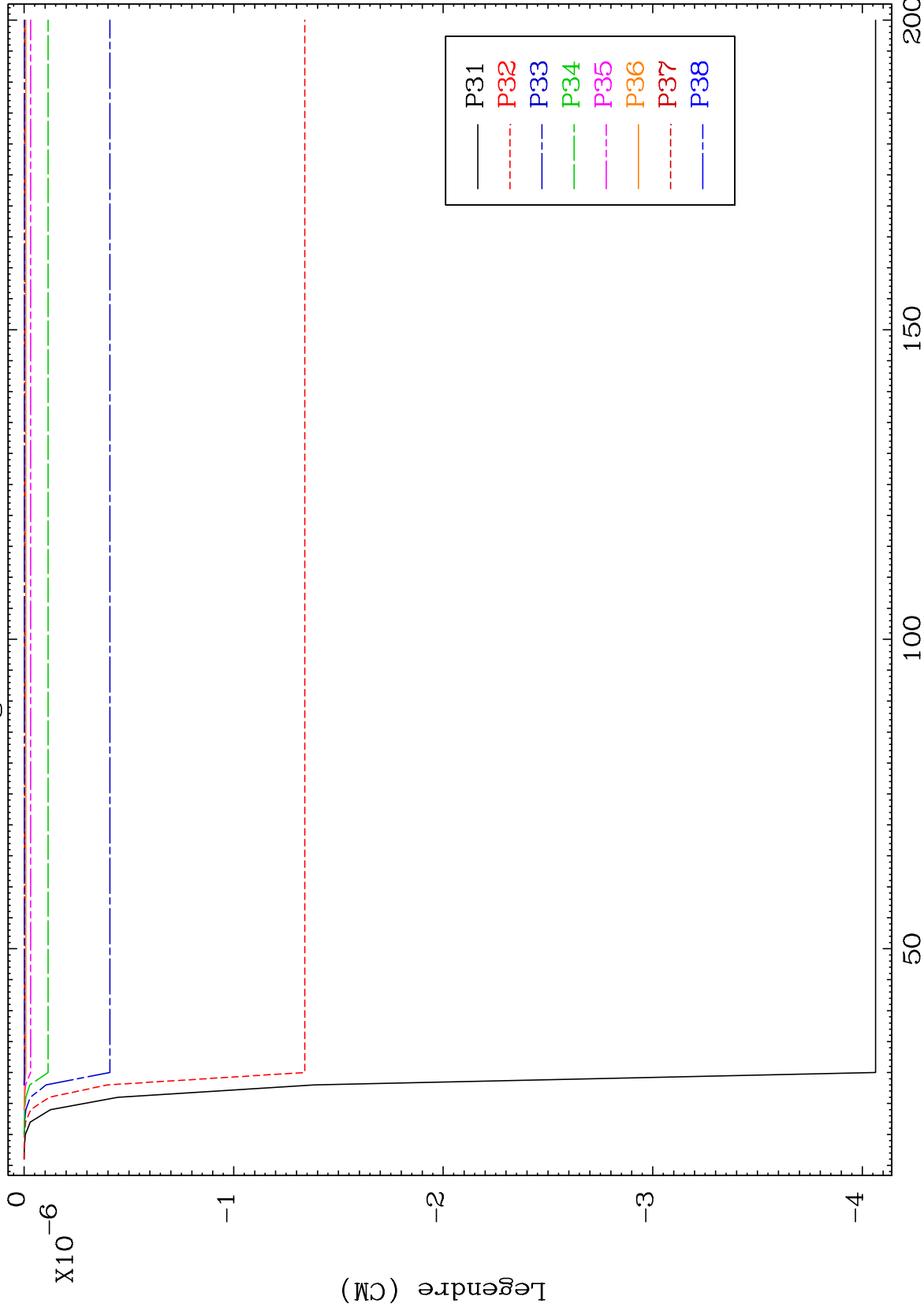
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



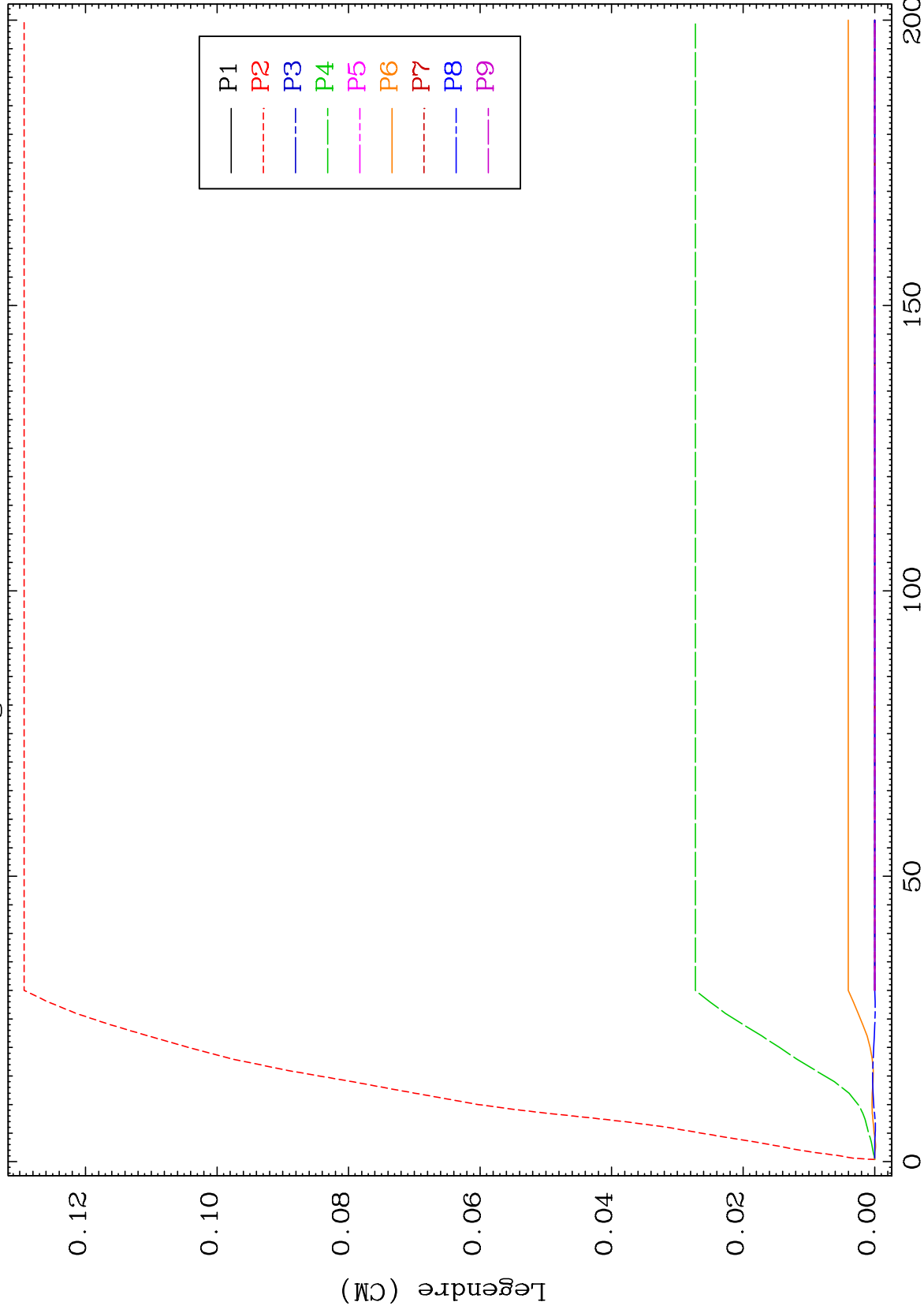
86

79-Au-196

MAT 7922

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

79-Au-196



87

Incident Energy (MeV)

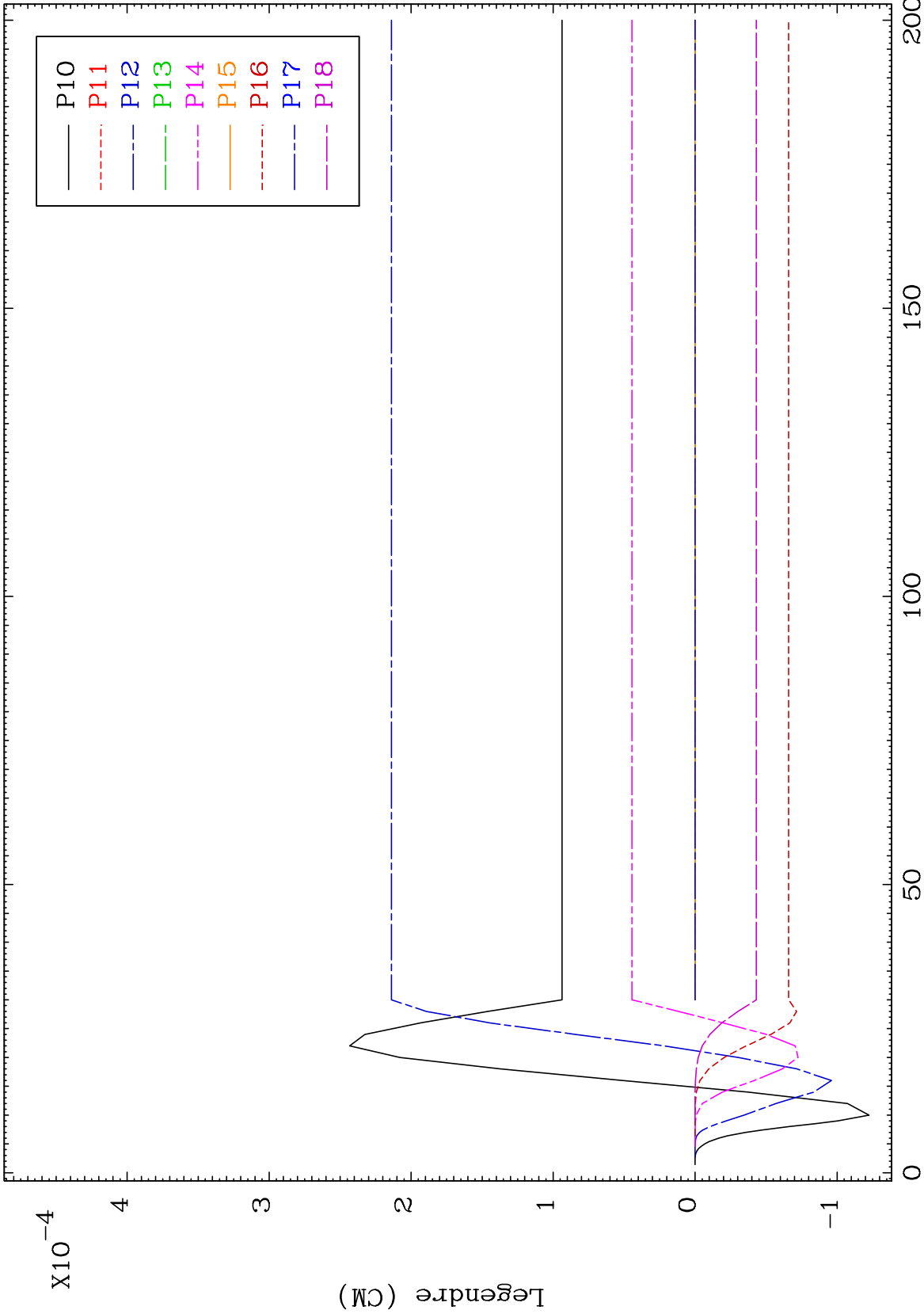
79-Au-196



MAT 7922

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

79-Au-196



88

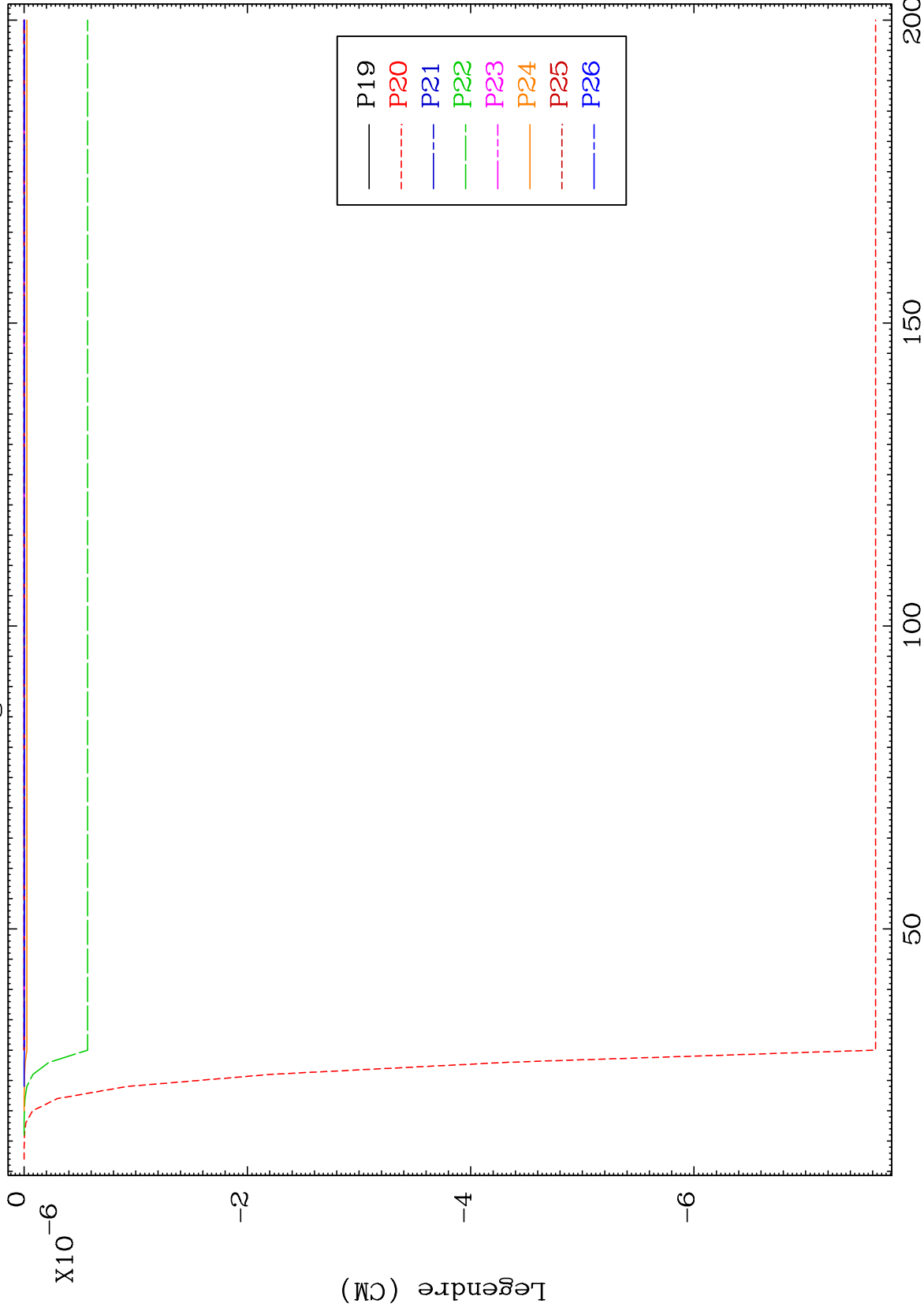
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



89

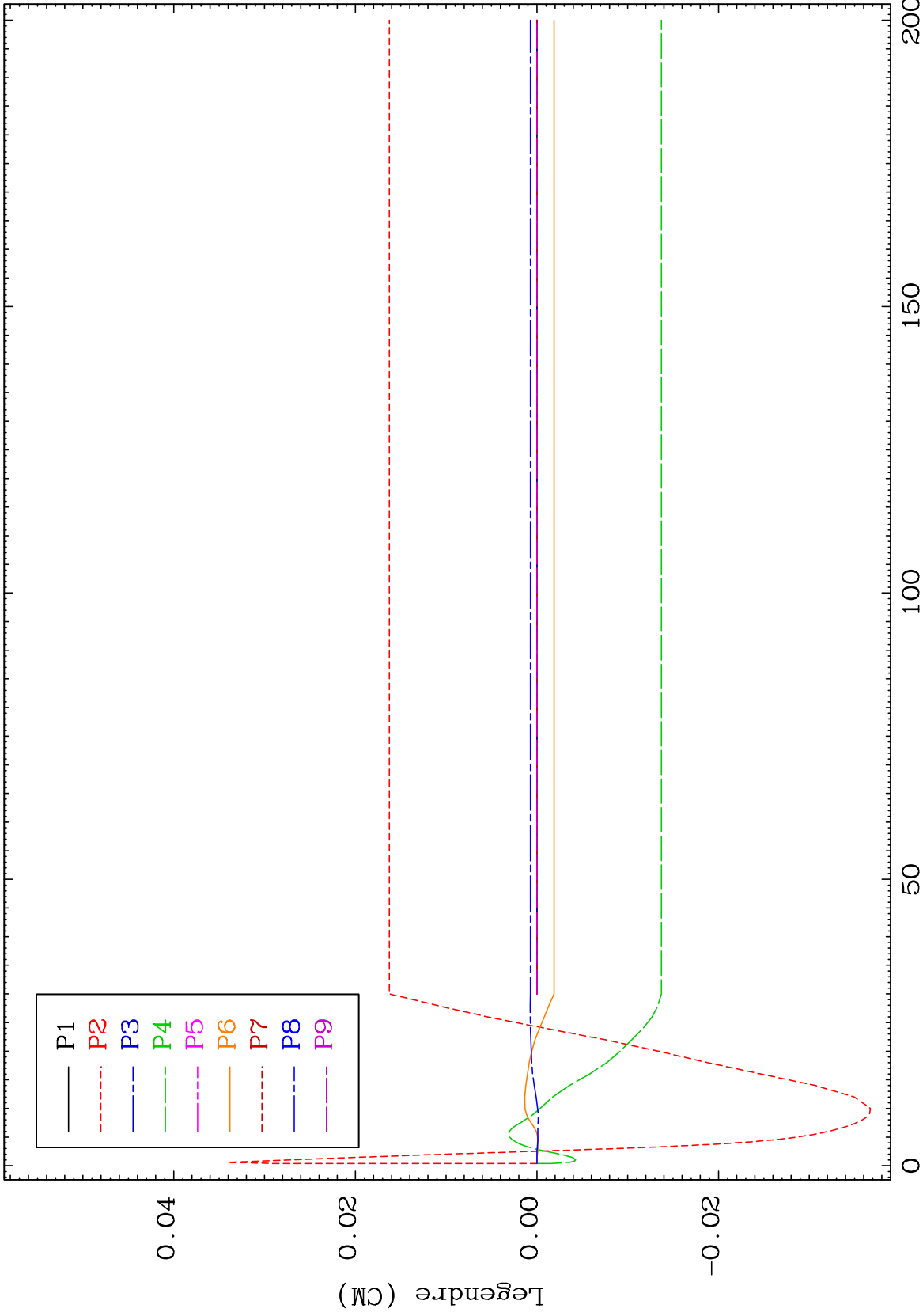
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



90

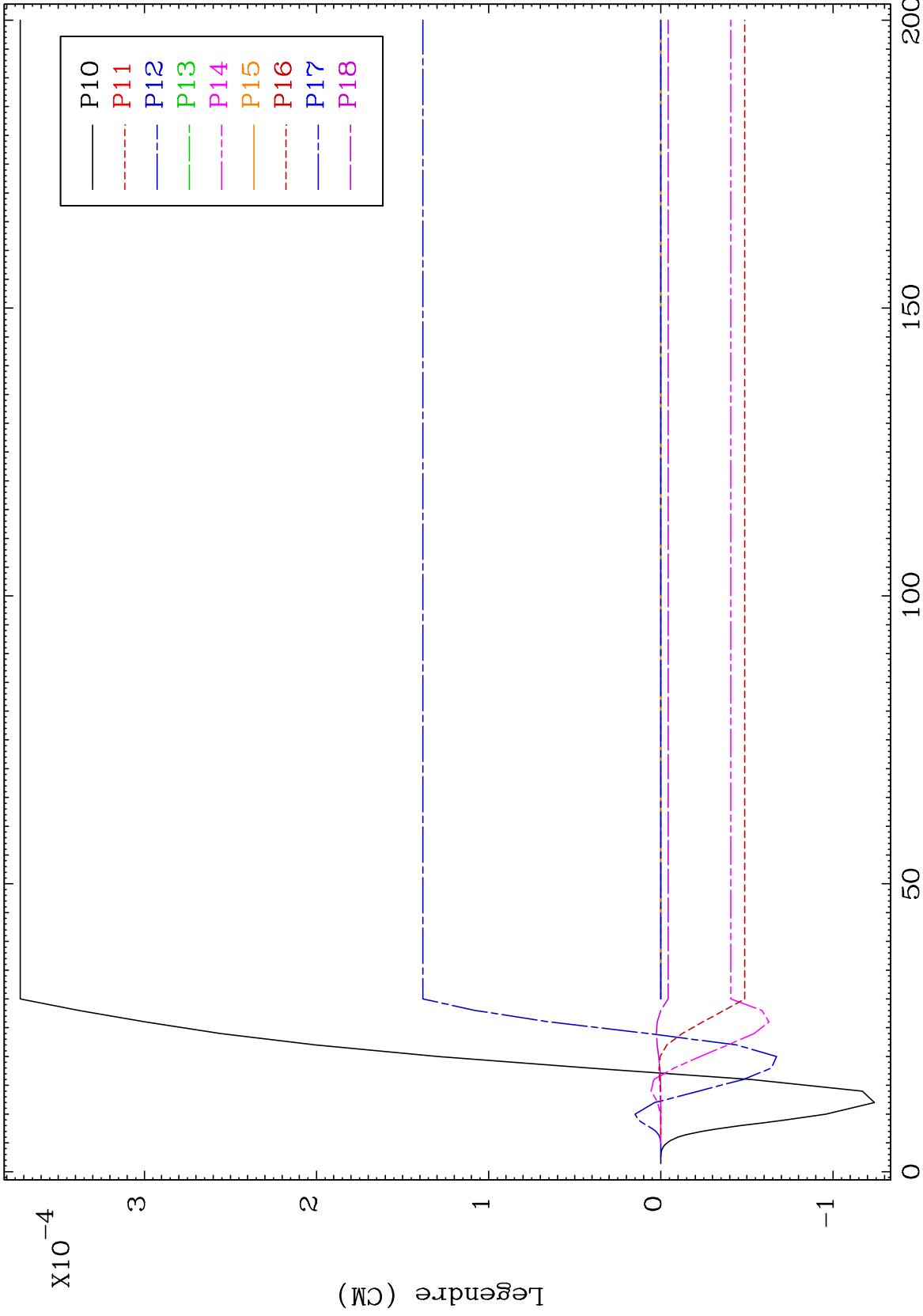
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196

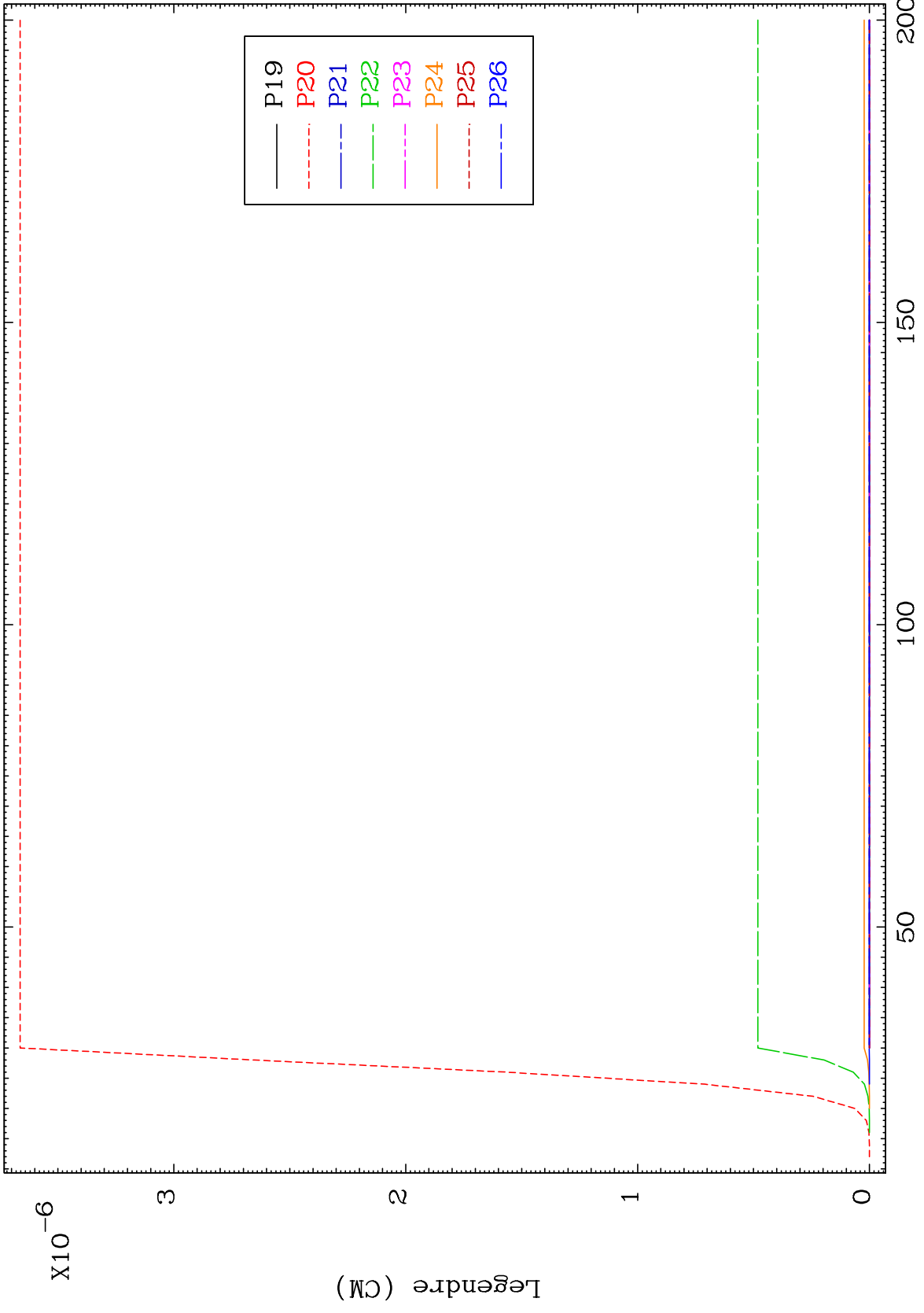


91

Incident Energy (MeV)

79-Au-196

MAT 7922 MT= 72 (n,n') Level Legendre Coefficients 79-Au-196

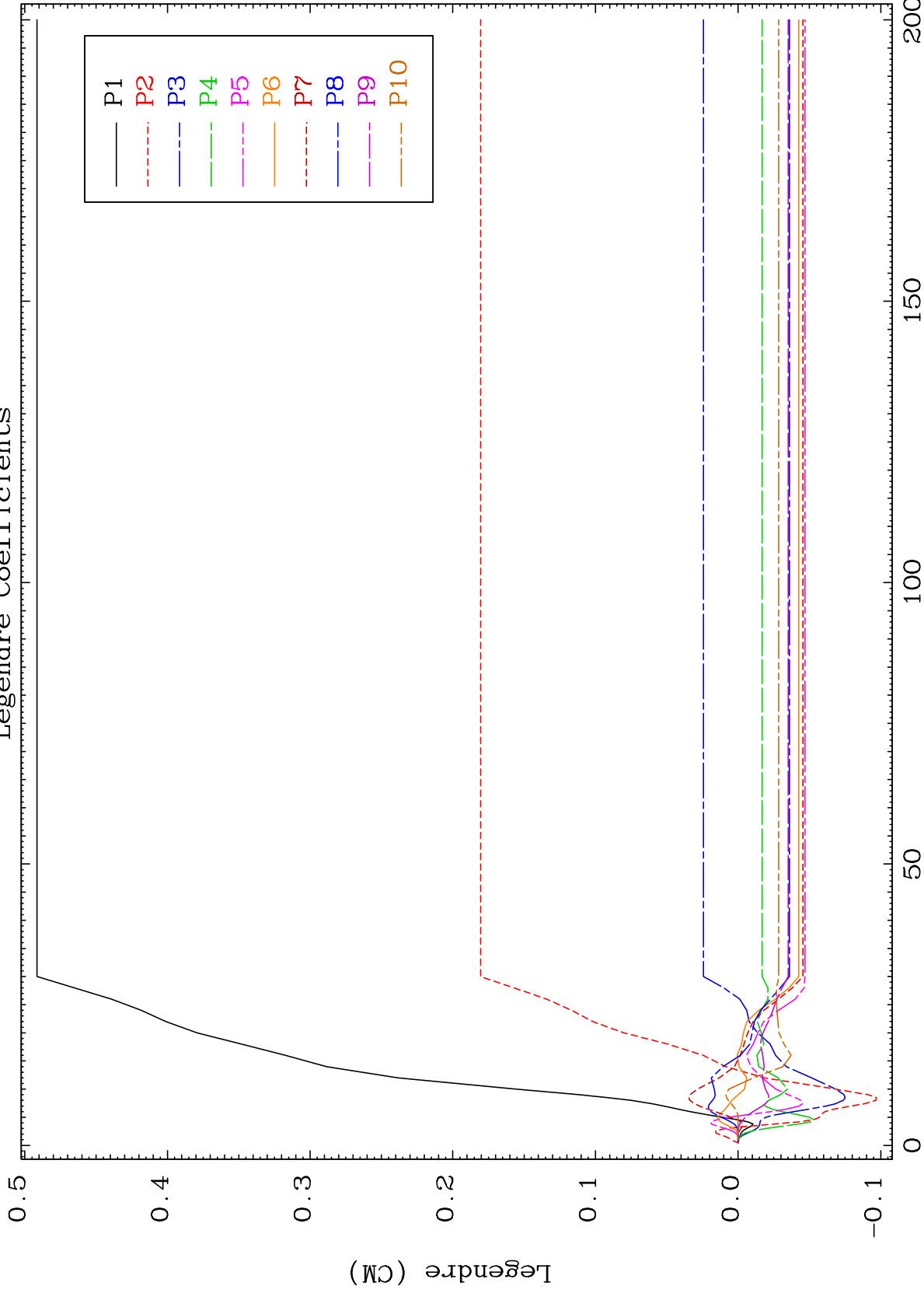


92 79-Au-196

MAT 7922

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

79-Au-196



93

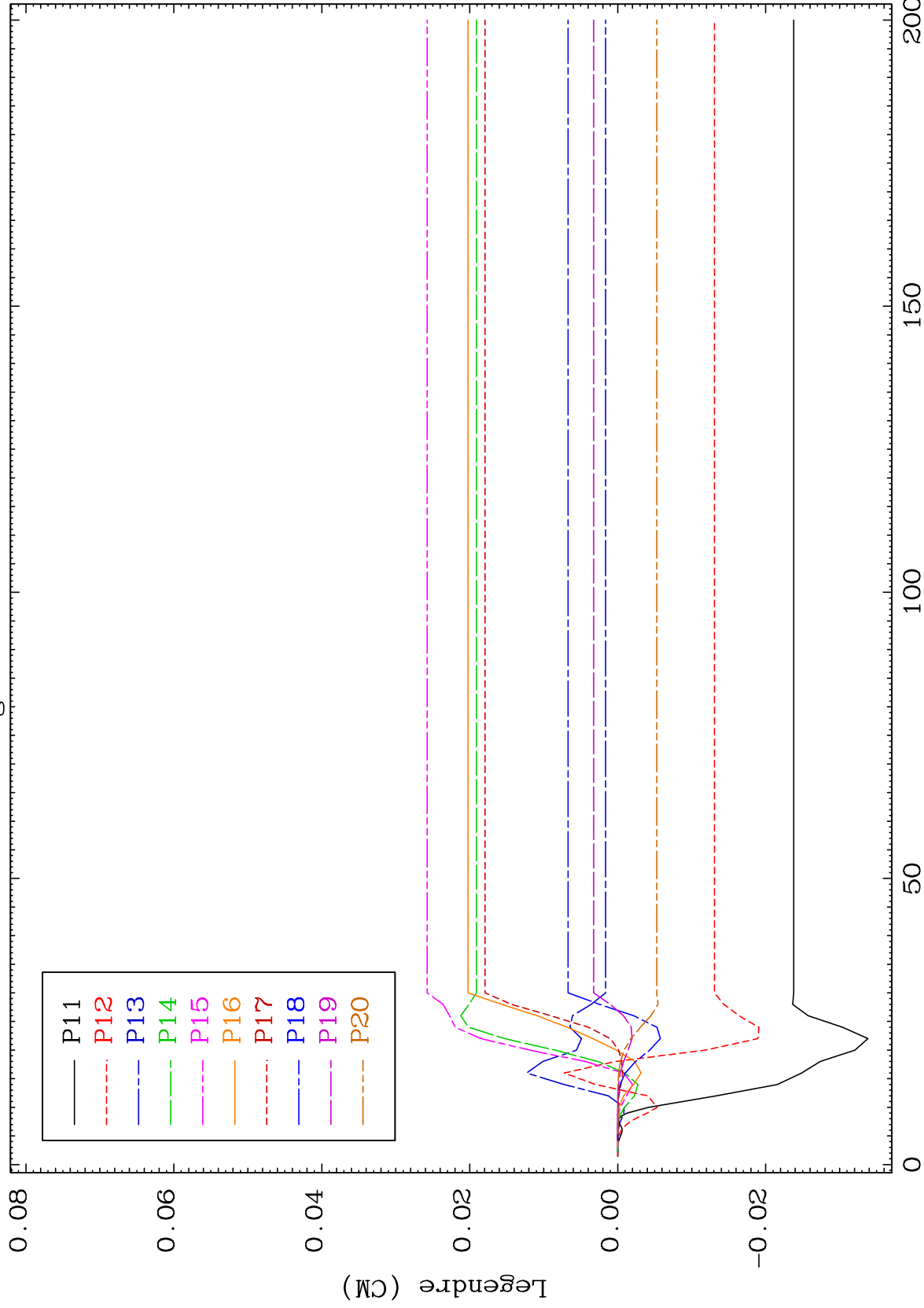
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



94

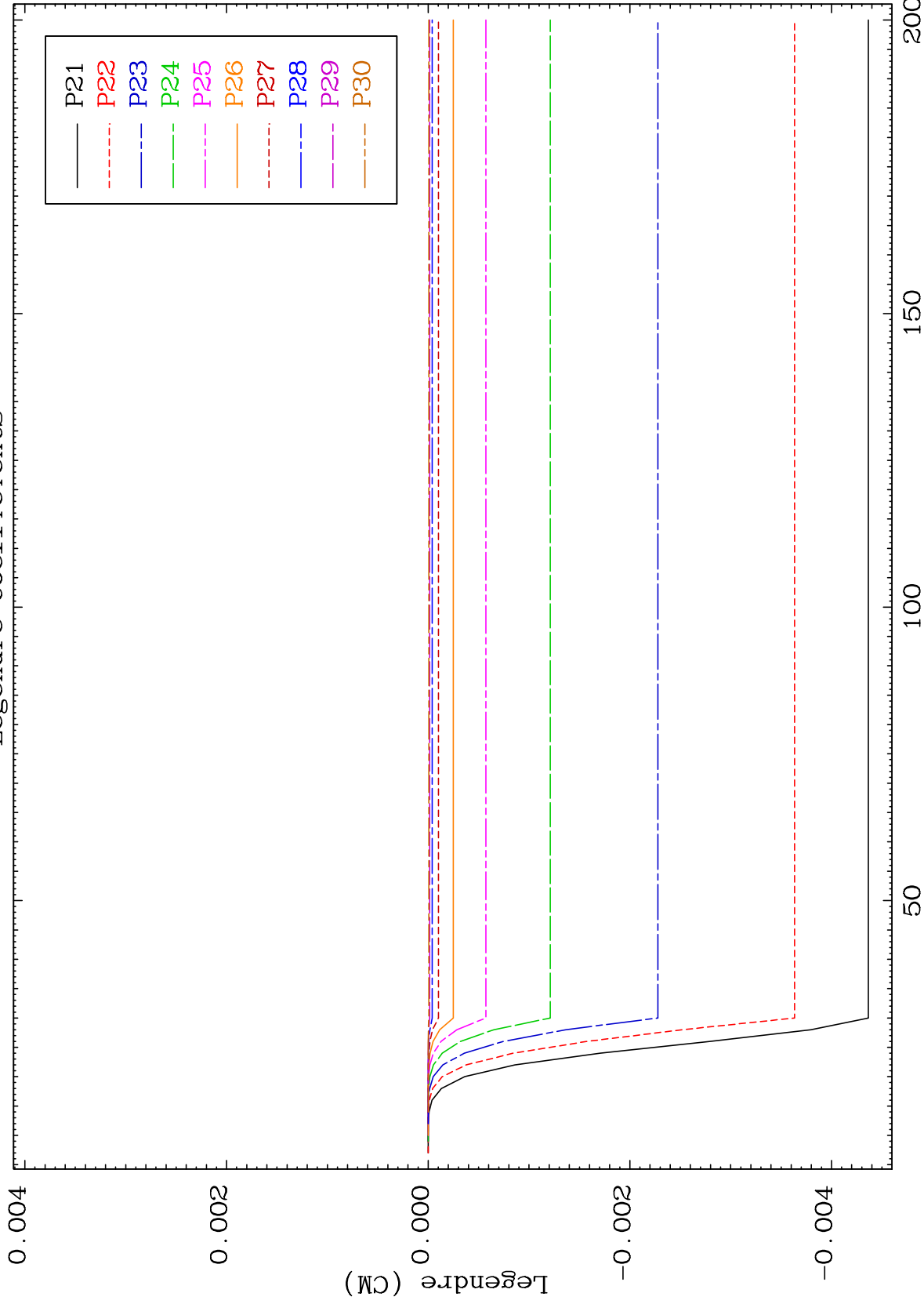
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



95

Incident Energy (MeV)

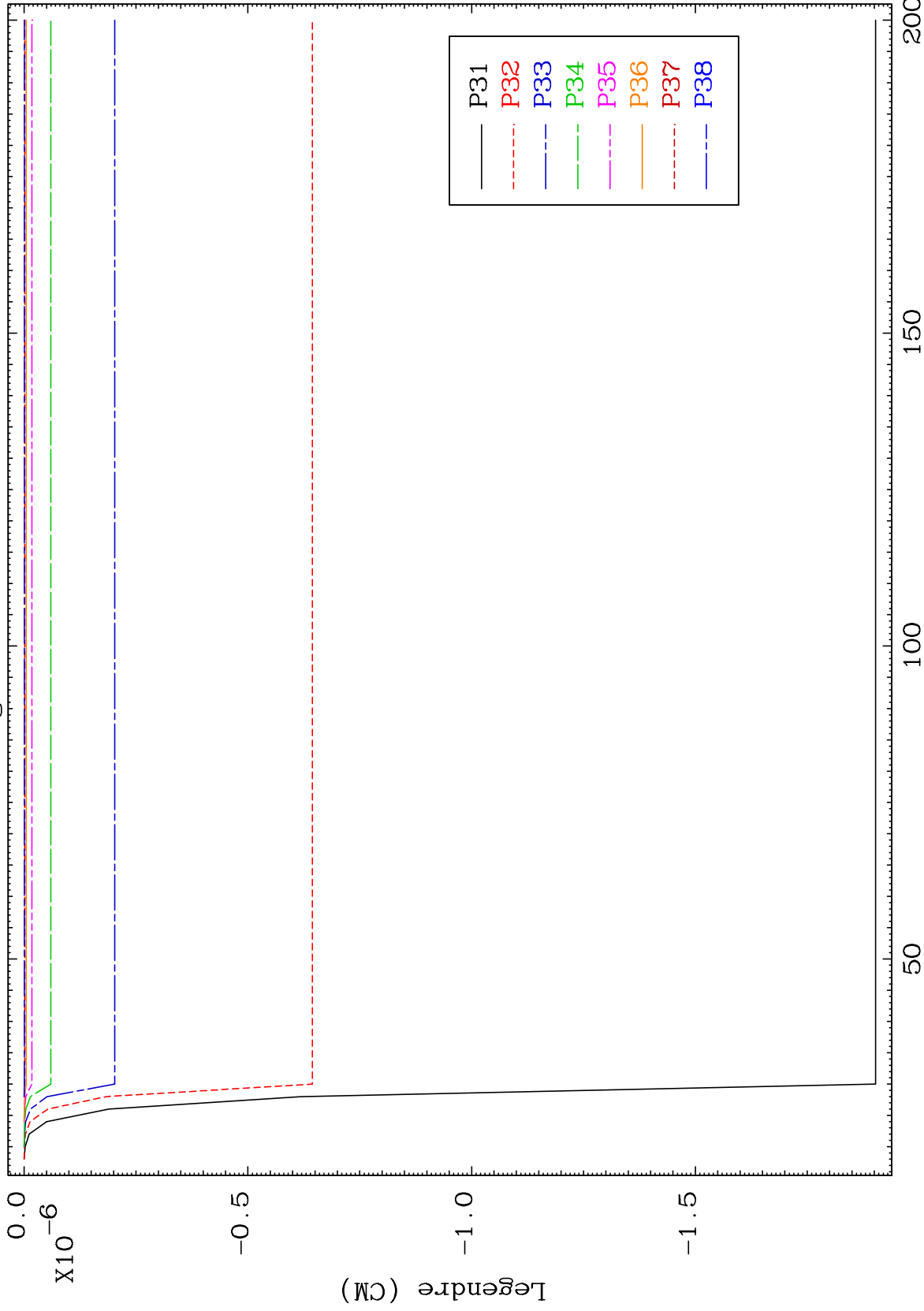
79-Au-196



MAT 7922

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

79-Au-196



96

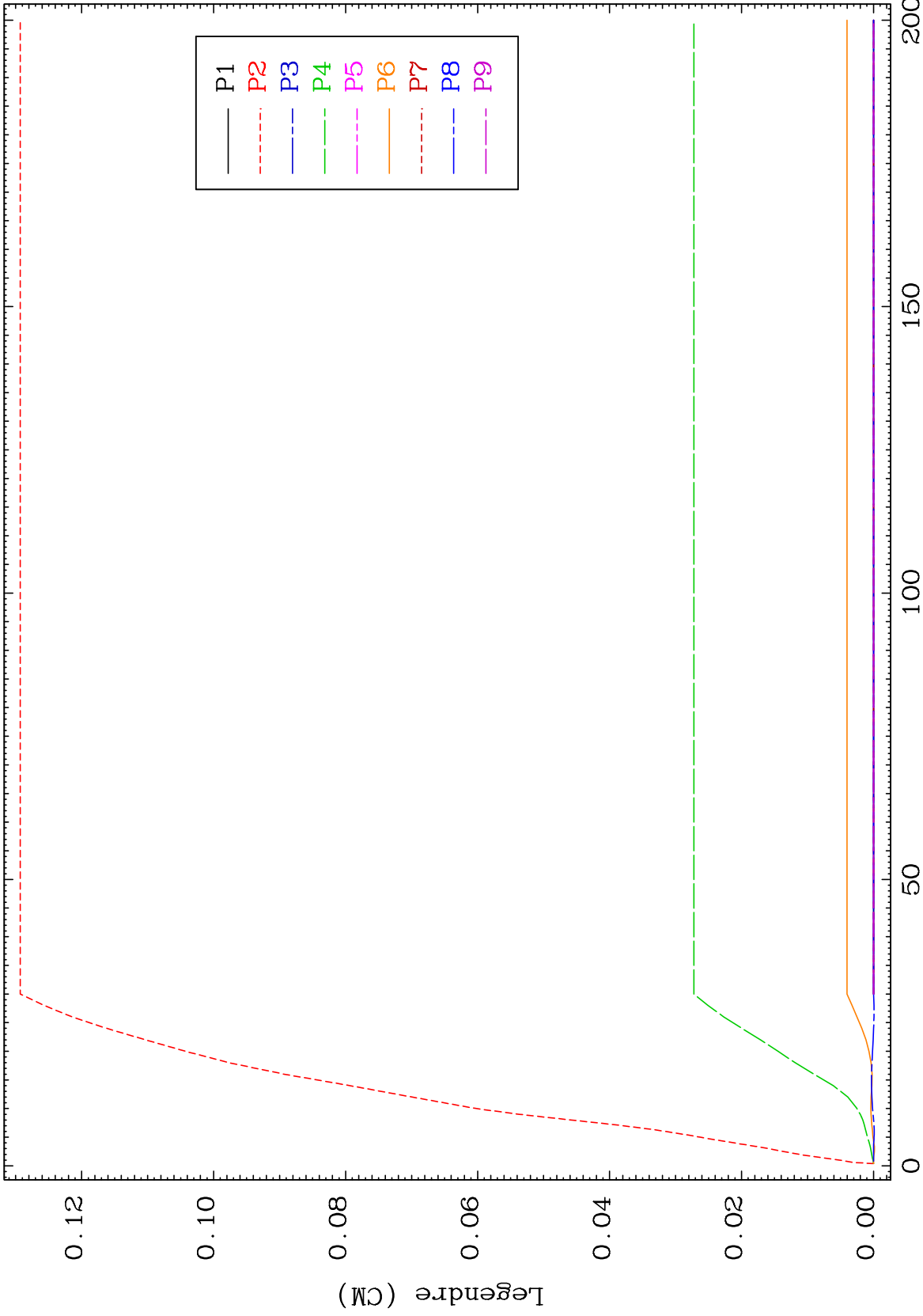
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



97

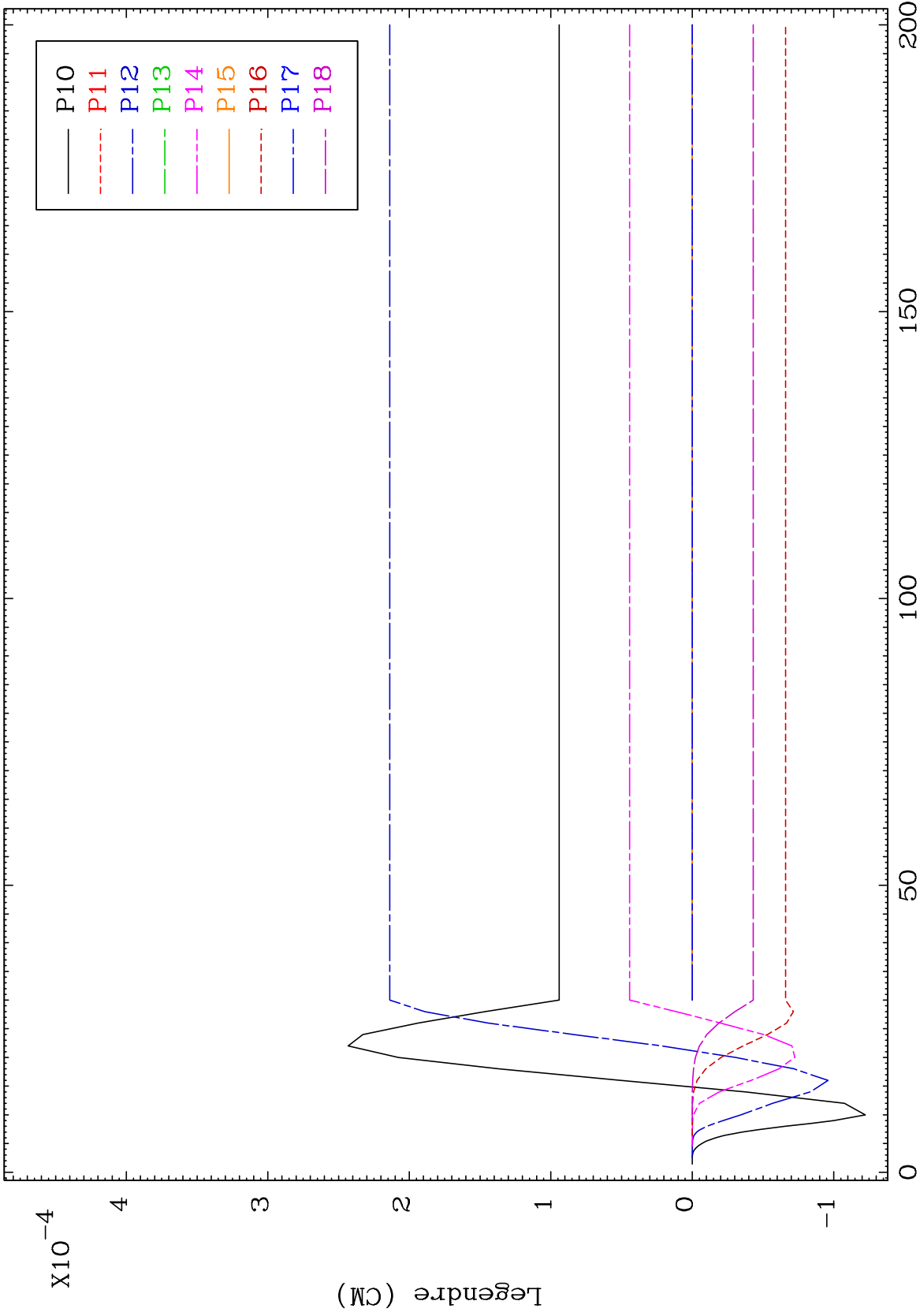
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



98

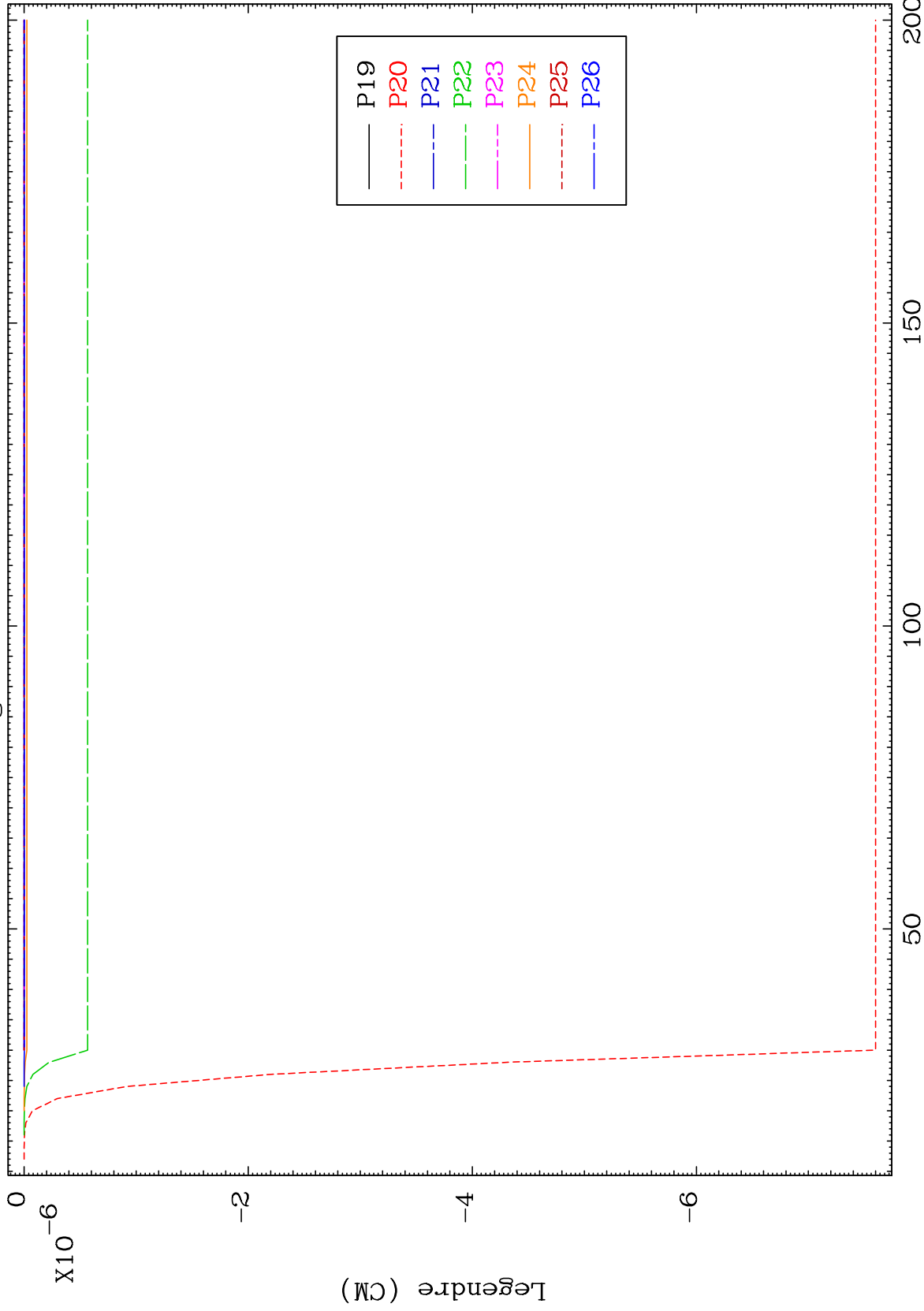
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



99

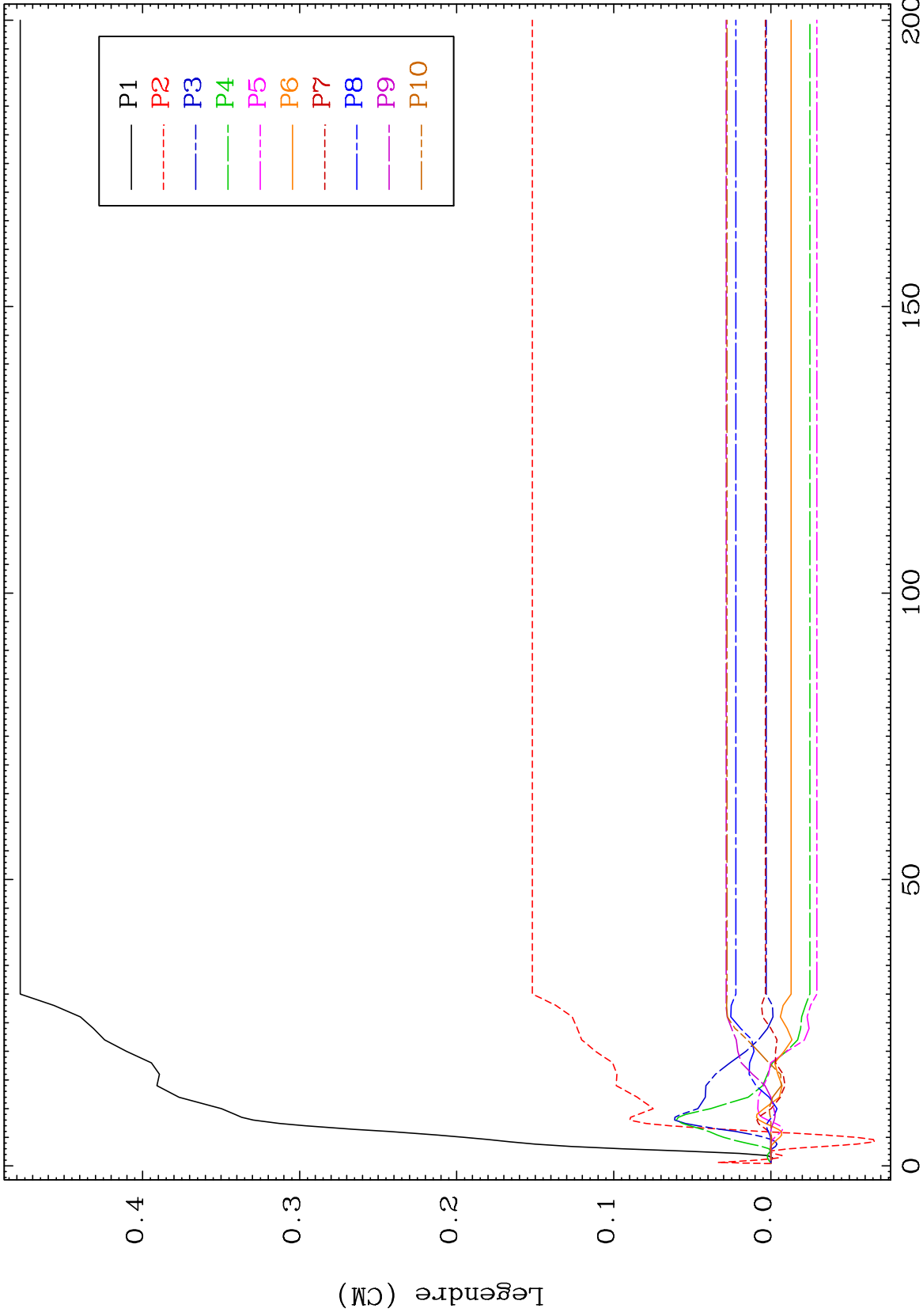
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



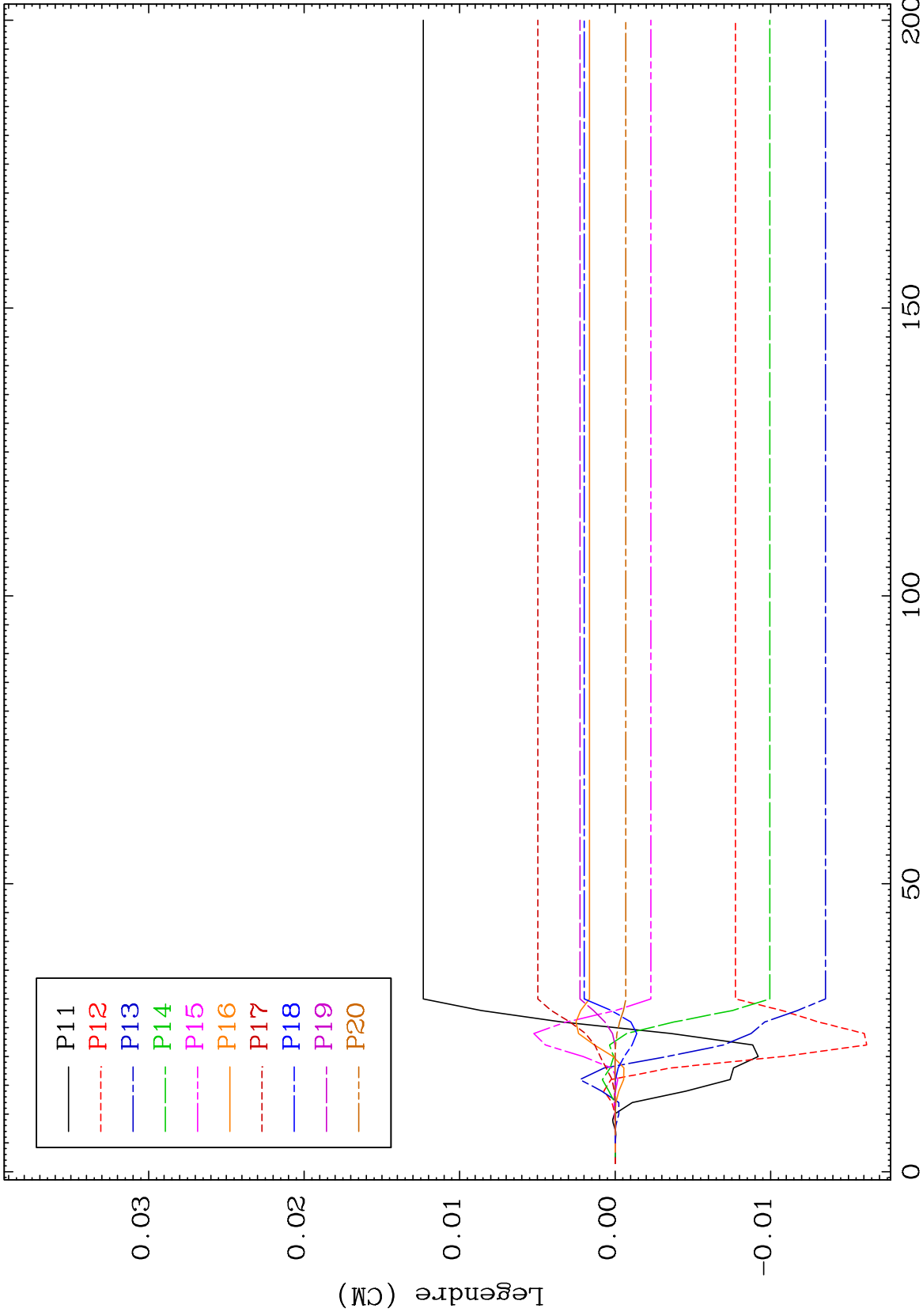
79-Au-196

Incident Energy (MeV)

MAT 7922

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

79-Au-196



101

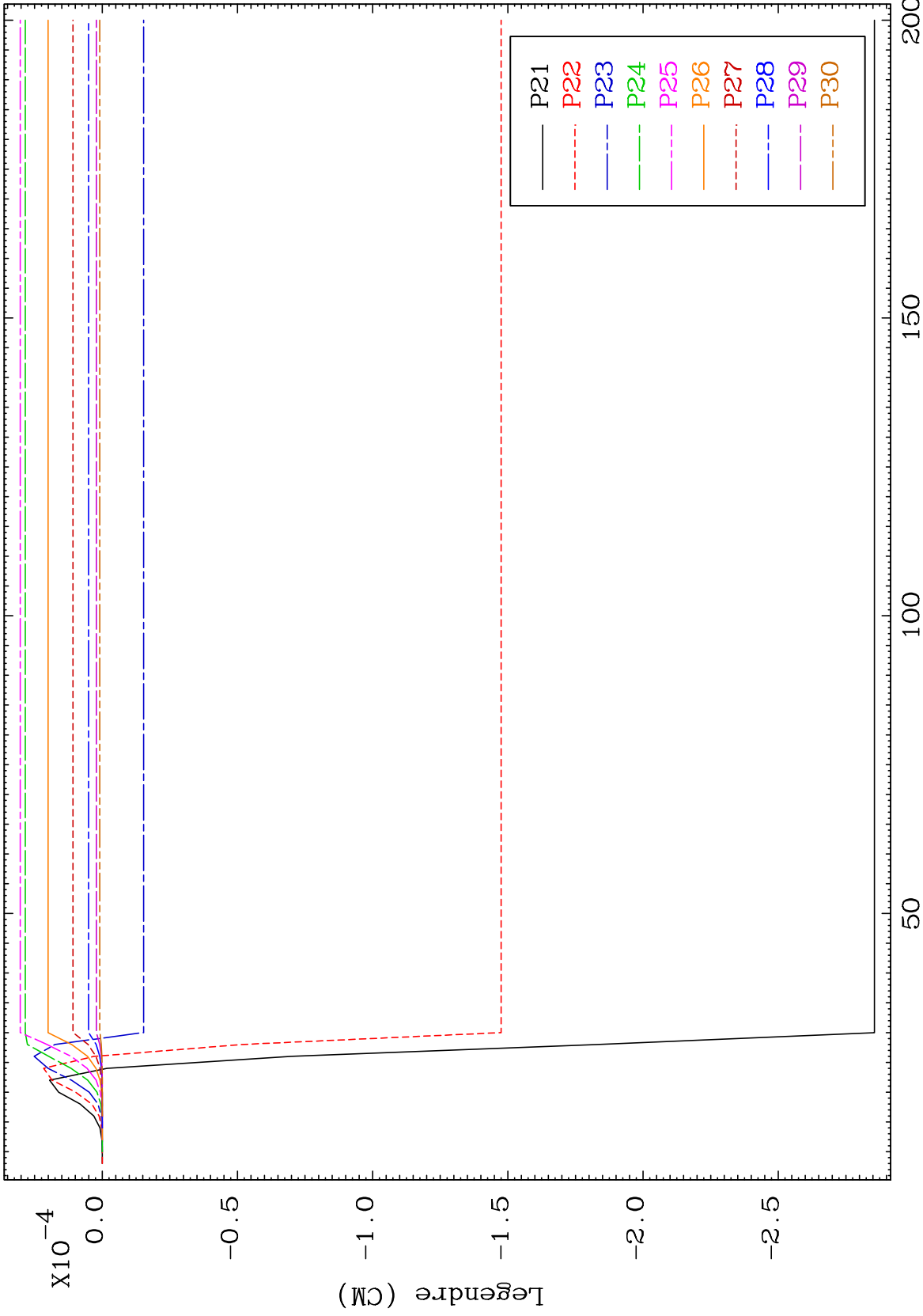
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



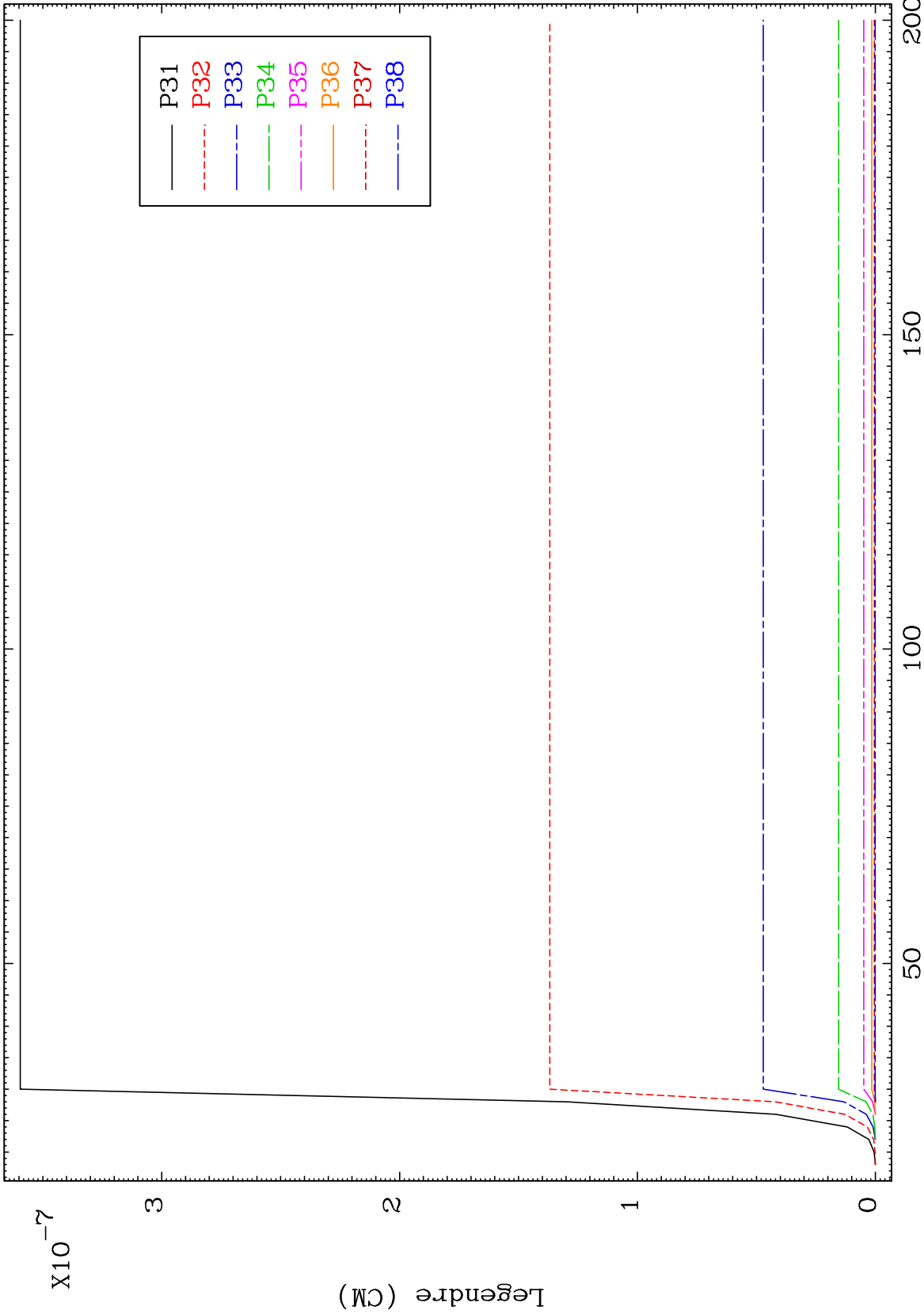
102

79-Au-196

MAT 7922

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

79-Au-196



103

Incident Energy (MeV)

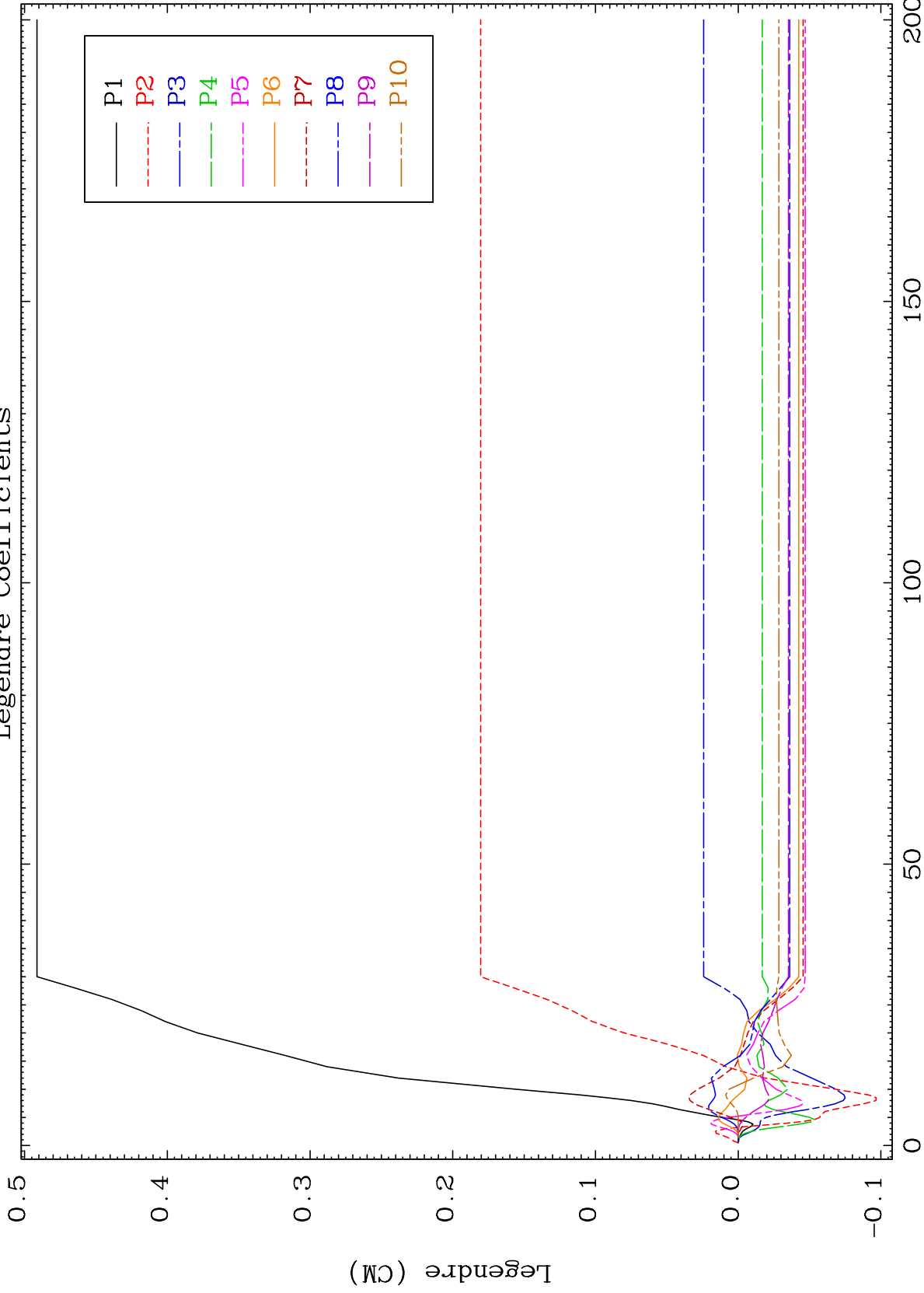
79-Au-196



MAT 7922

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

79-Au-196



79-Au-196

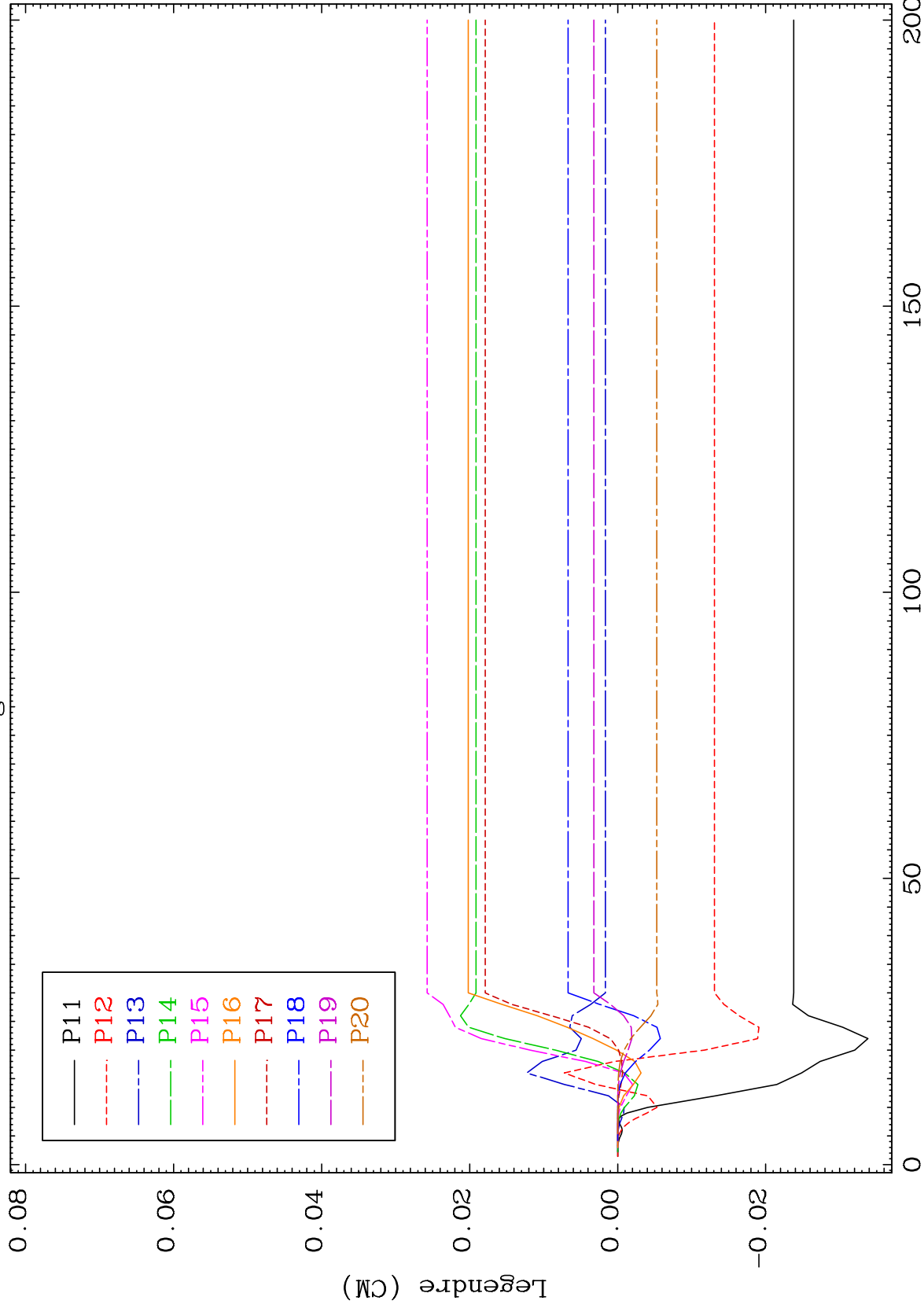
Incident Energy (MeV)

104

MAT 7922

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

79-Au-196



105

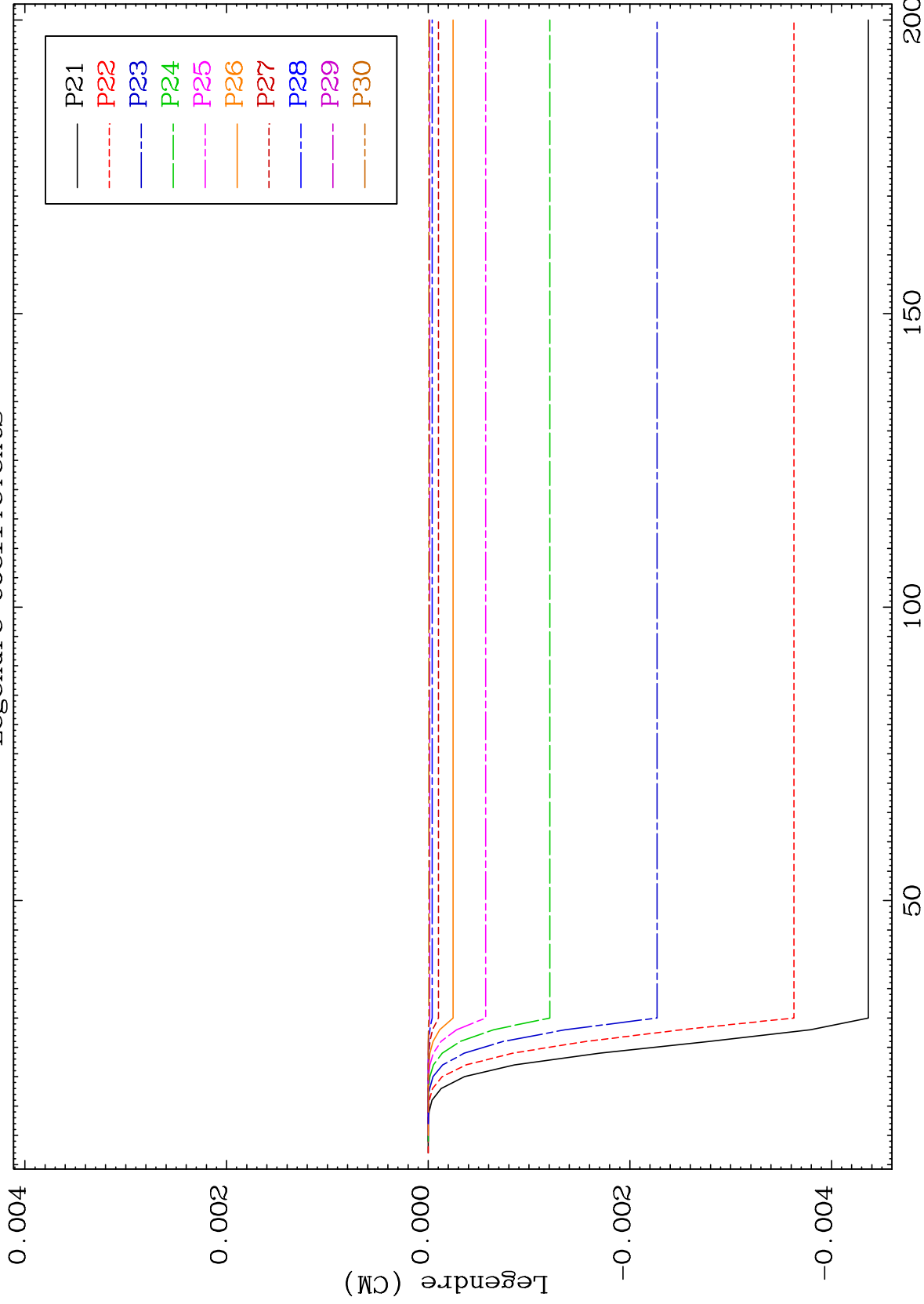
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



106

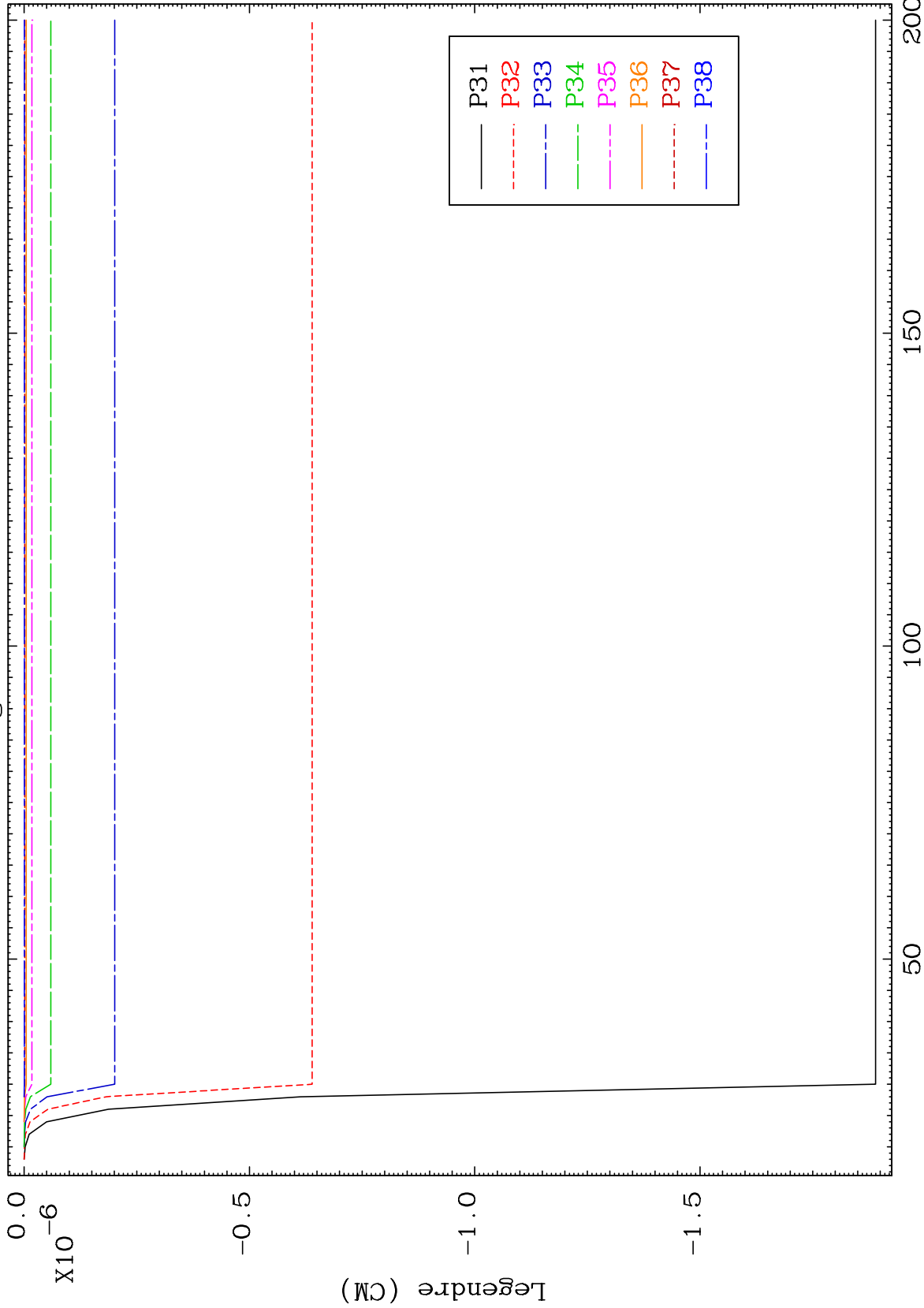
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



107

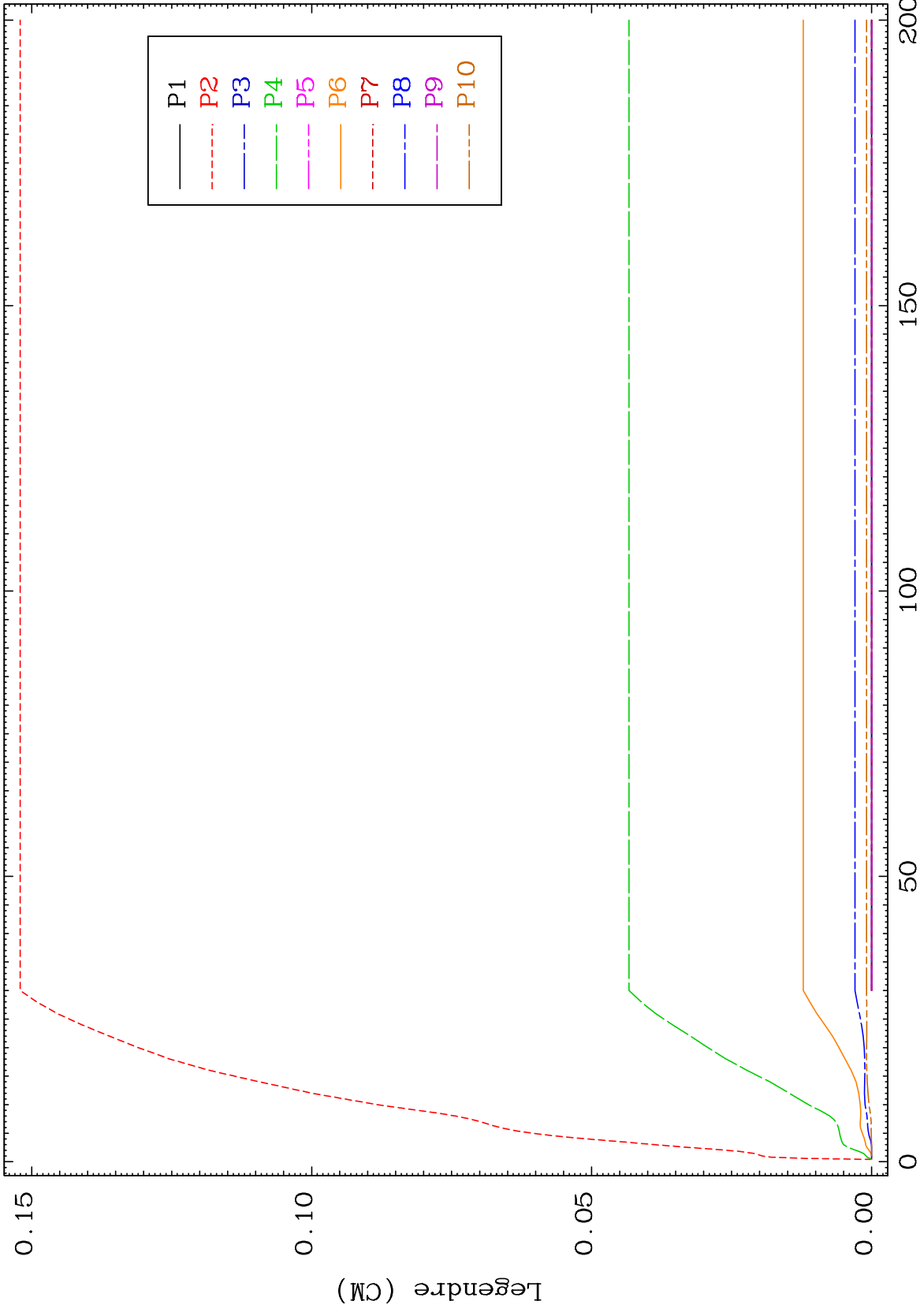
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



79-Au-196

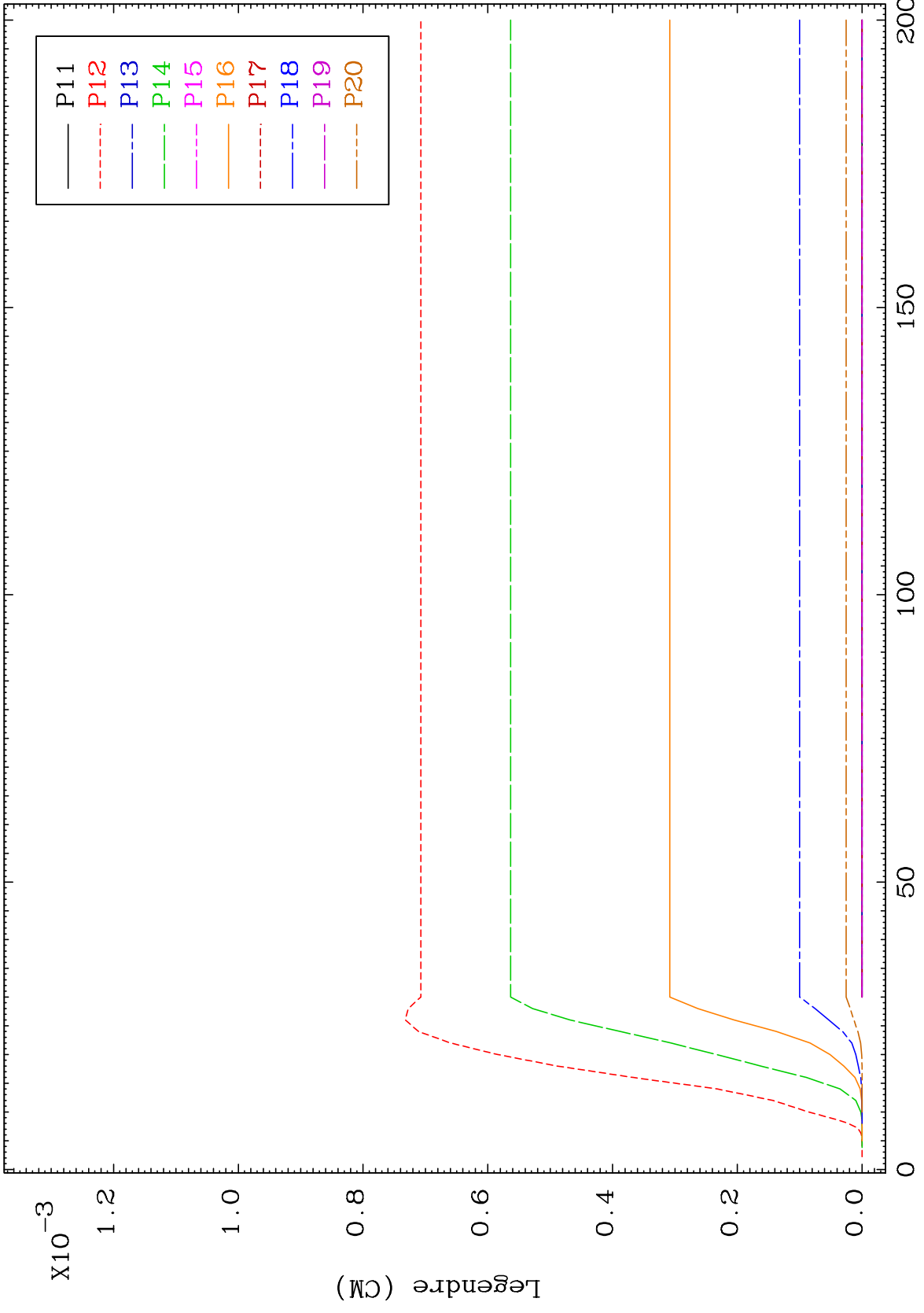
Incident Energy (MeV)

108

MAT 7922

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

79-Au-196



109

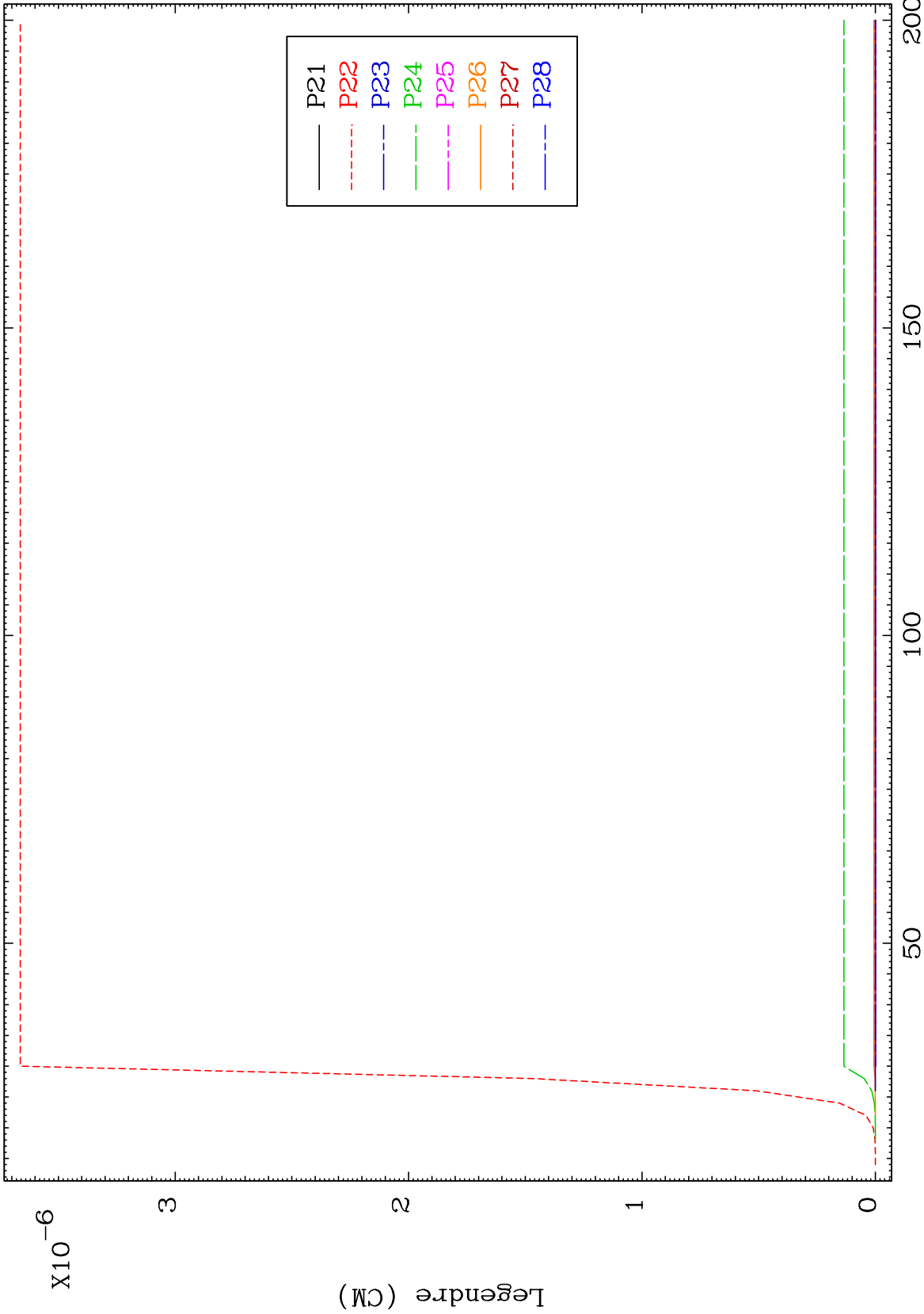
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196

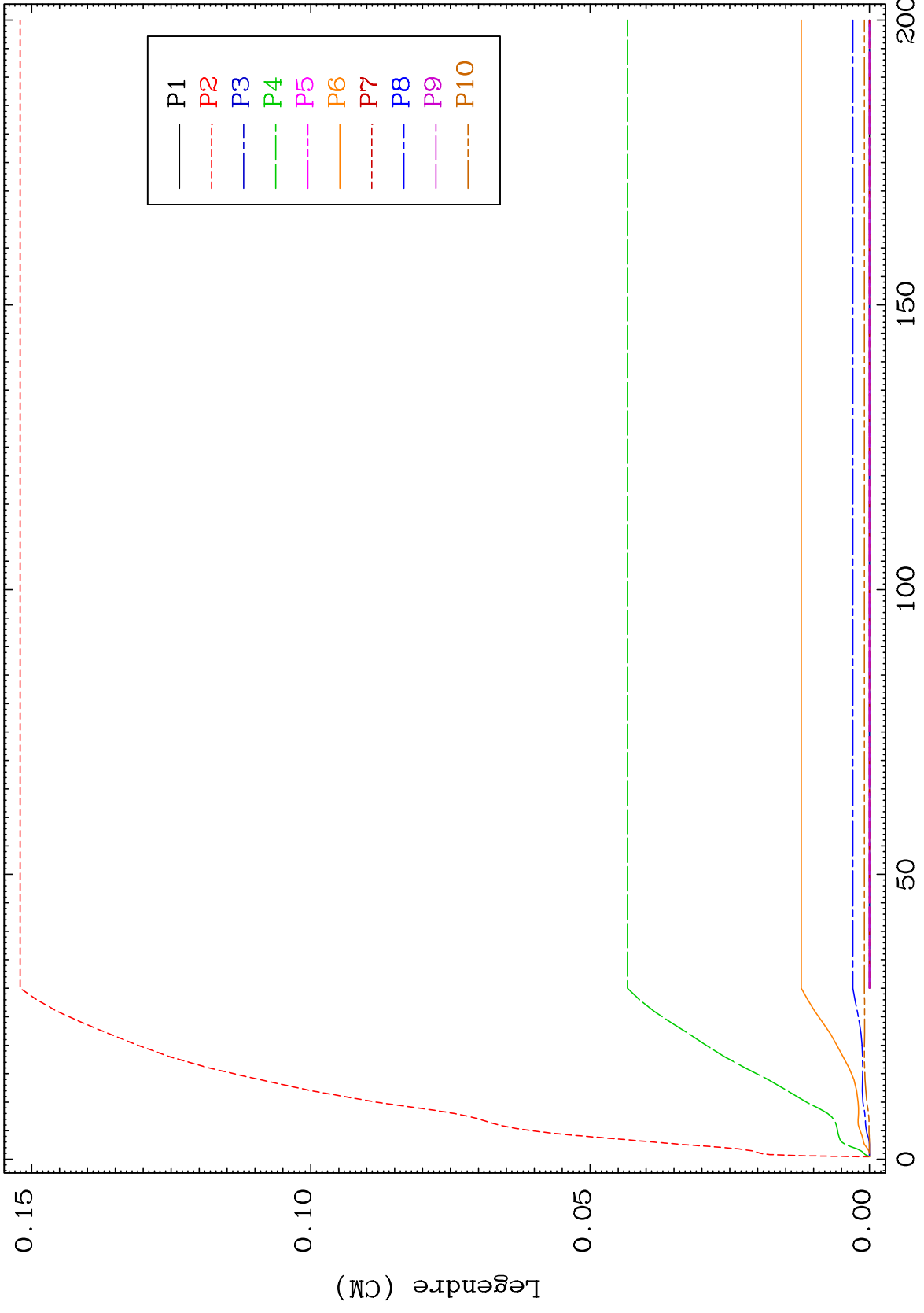


79-Au-196

Incident Energy (MeV)

110

MAT 7922 MT= 78 (n,n') Level Legendre Coefficients 79-Au-196



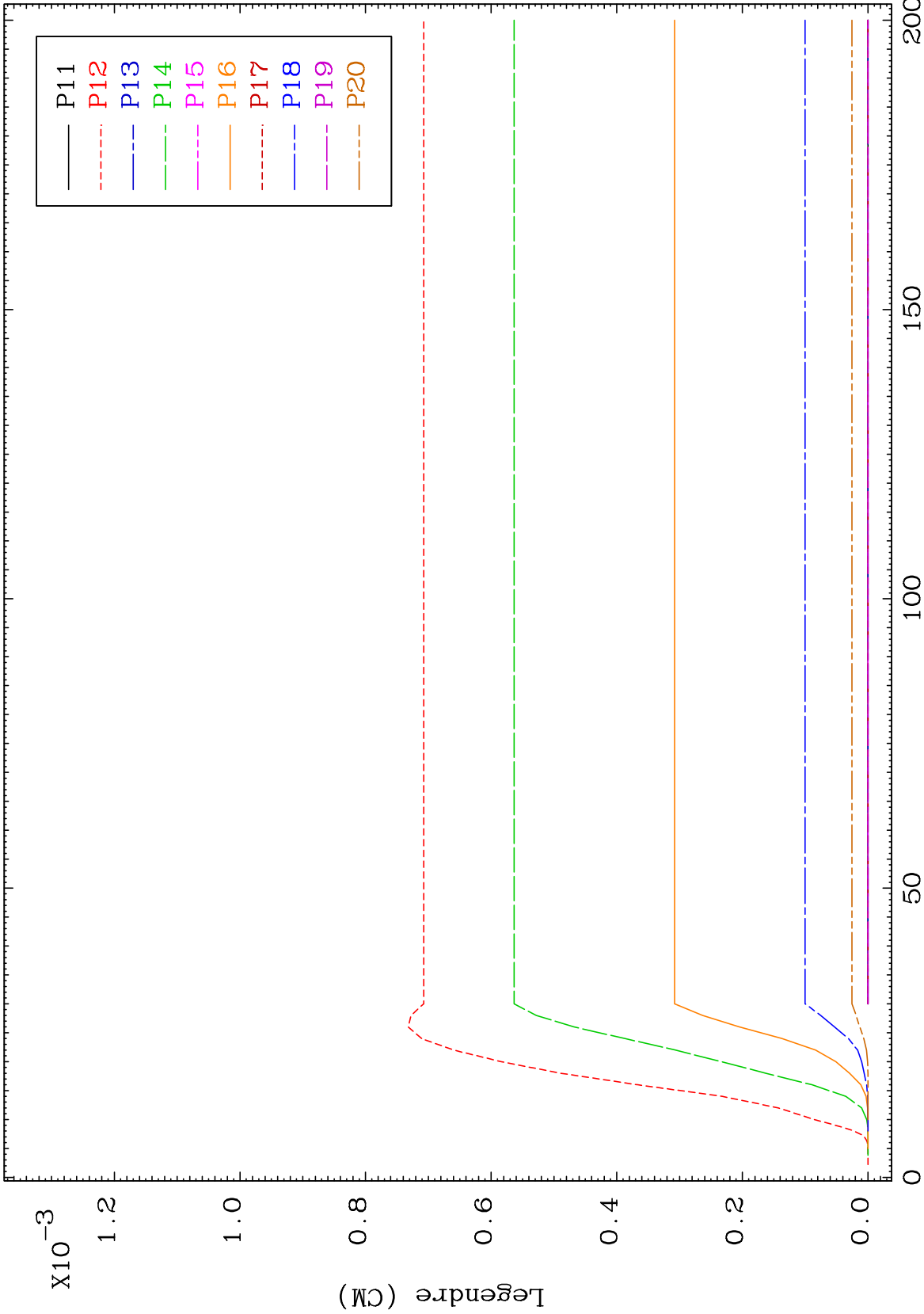
111 79-Au-196



MAT 7922

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

79-Au-196



112

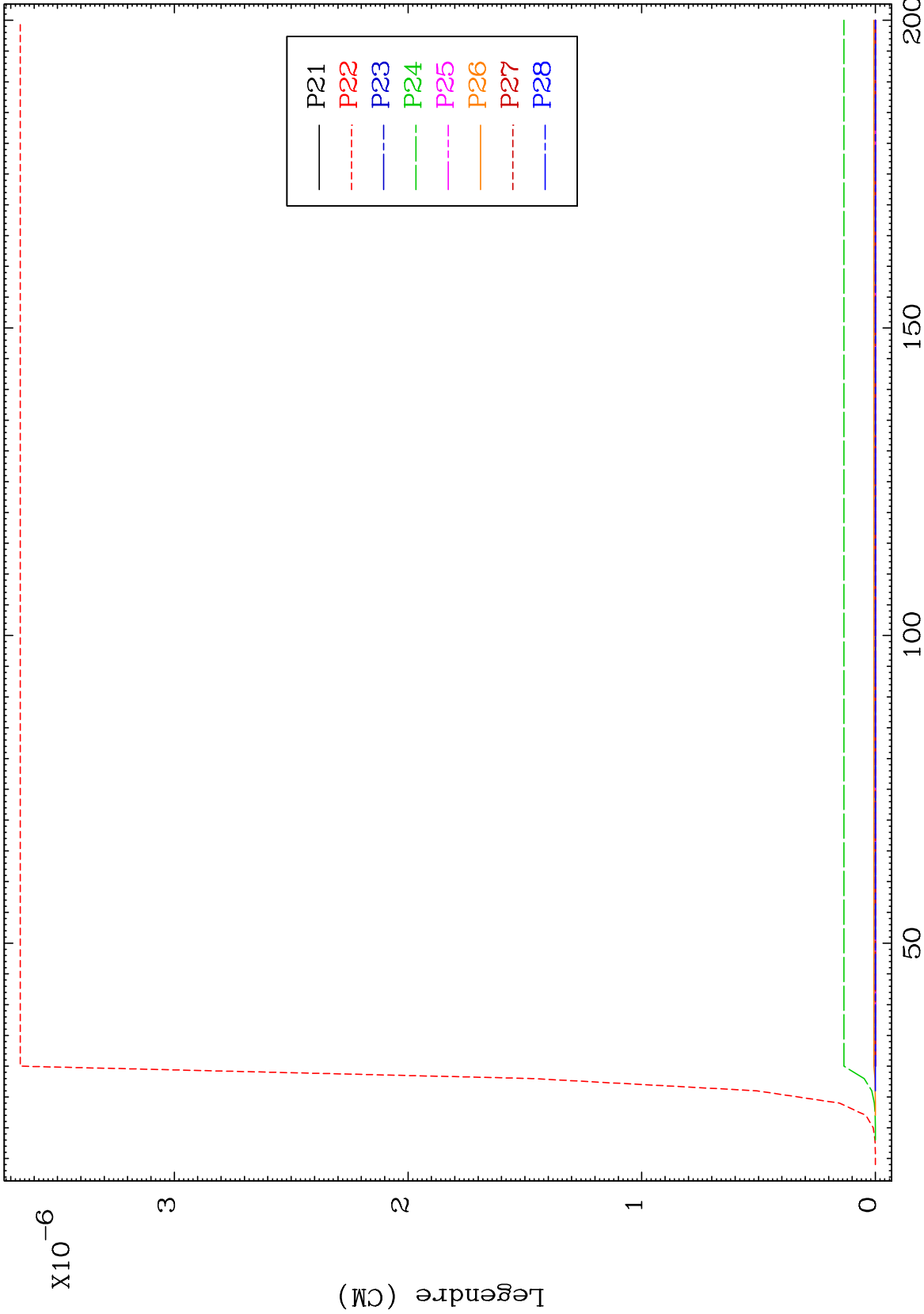
Incident Energy (MeV)

79-Au-196

MAT 7922

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

79-Au-196



113

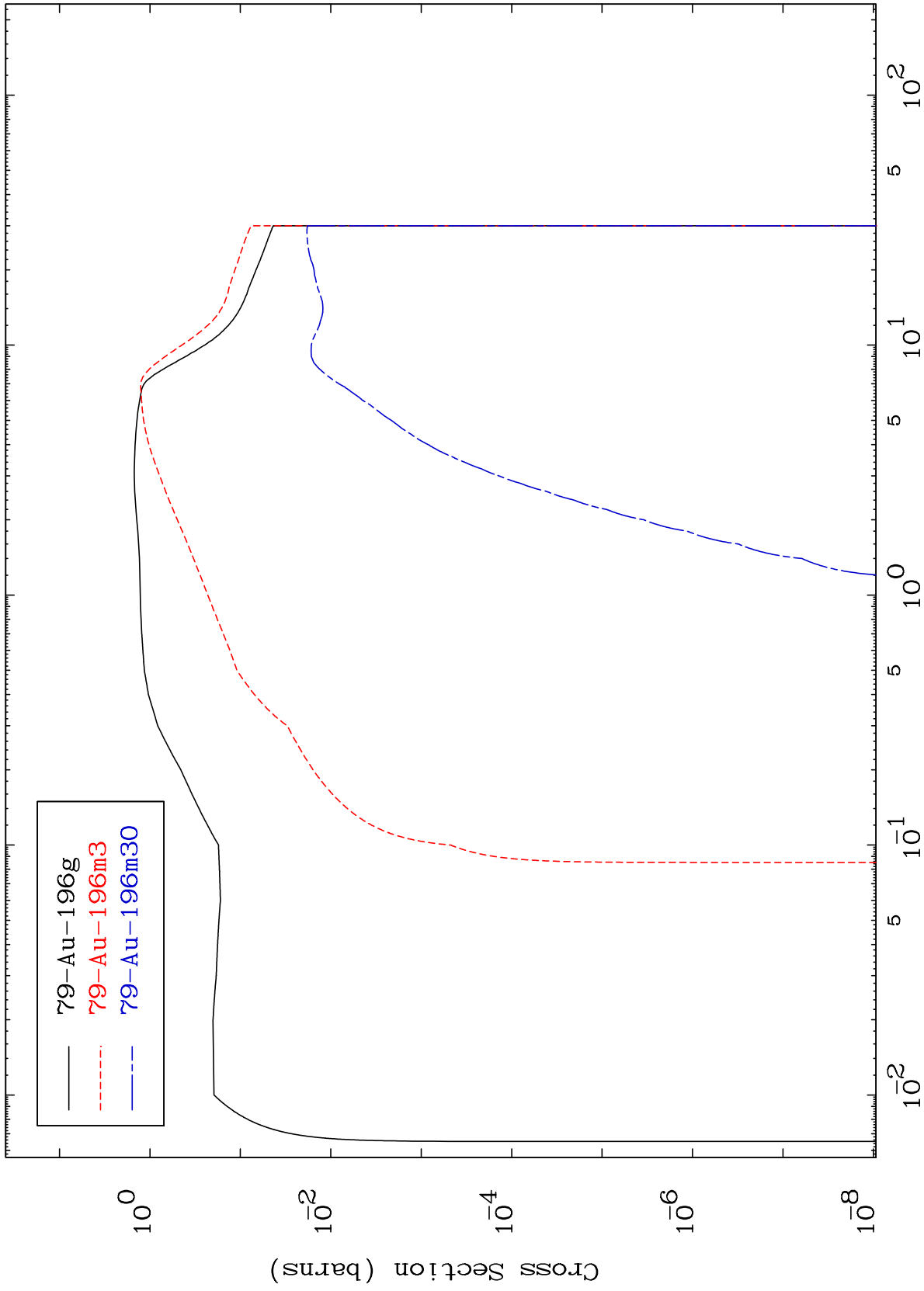
Incident Energy (MeV)

79-Au-196

MAT 7922

# Radionuclide Production Cross Section

<sup>79</sup>Au-196



114

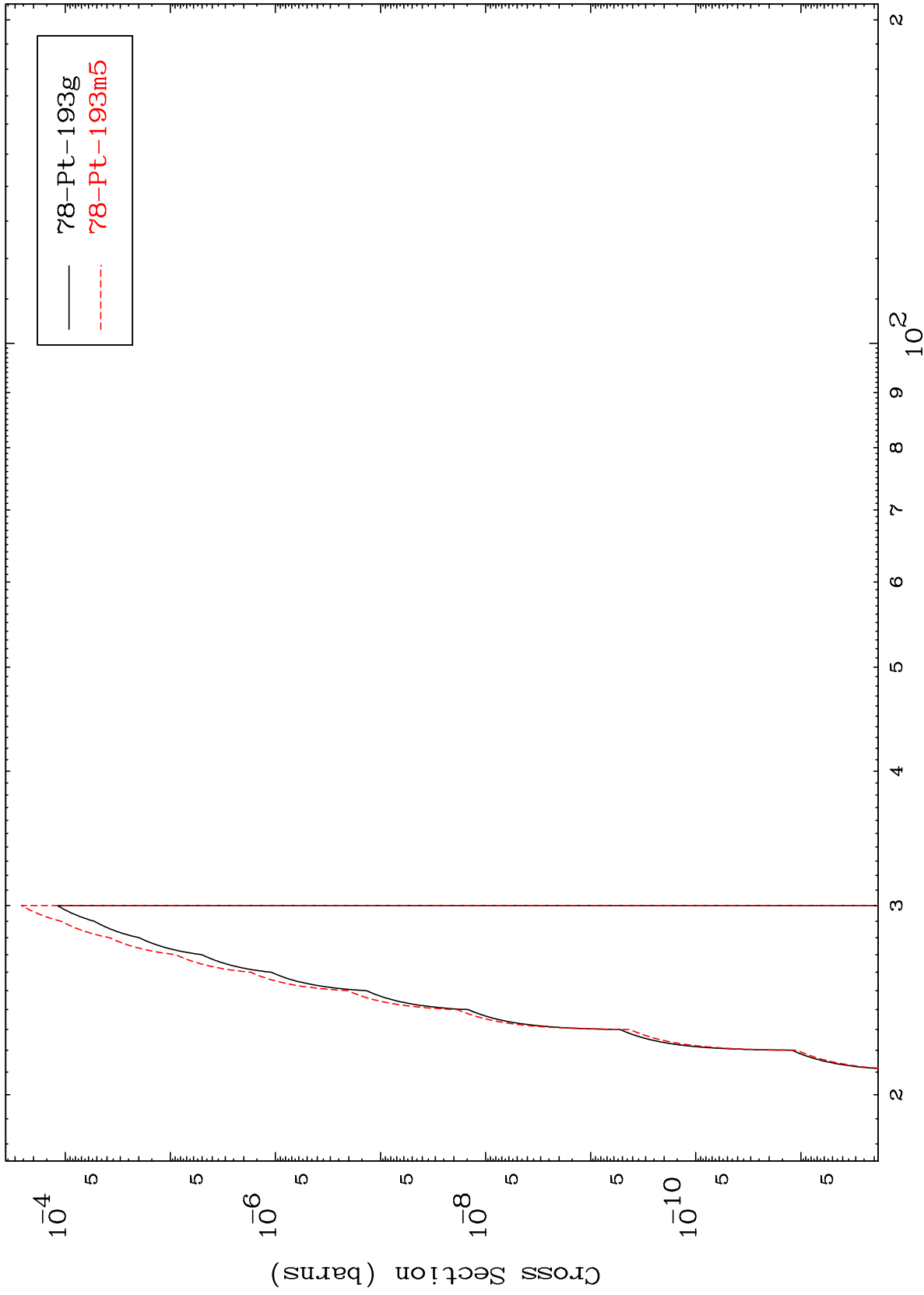
<sup>79</sup>Au-196

MAT 7922

(n,2n) d

79-Au-196

Radionuclide Production Cross Section



115

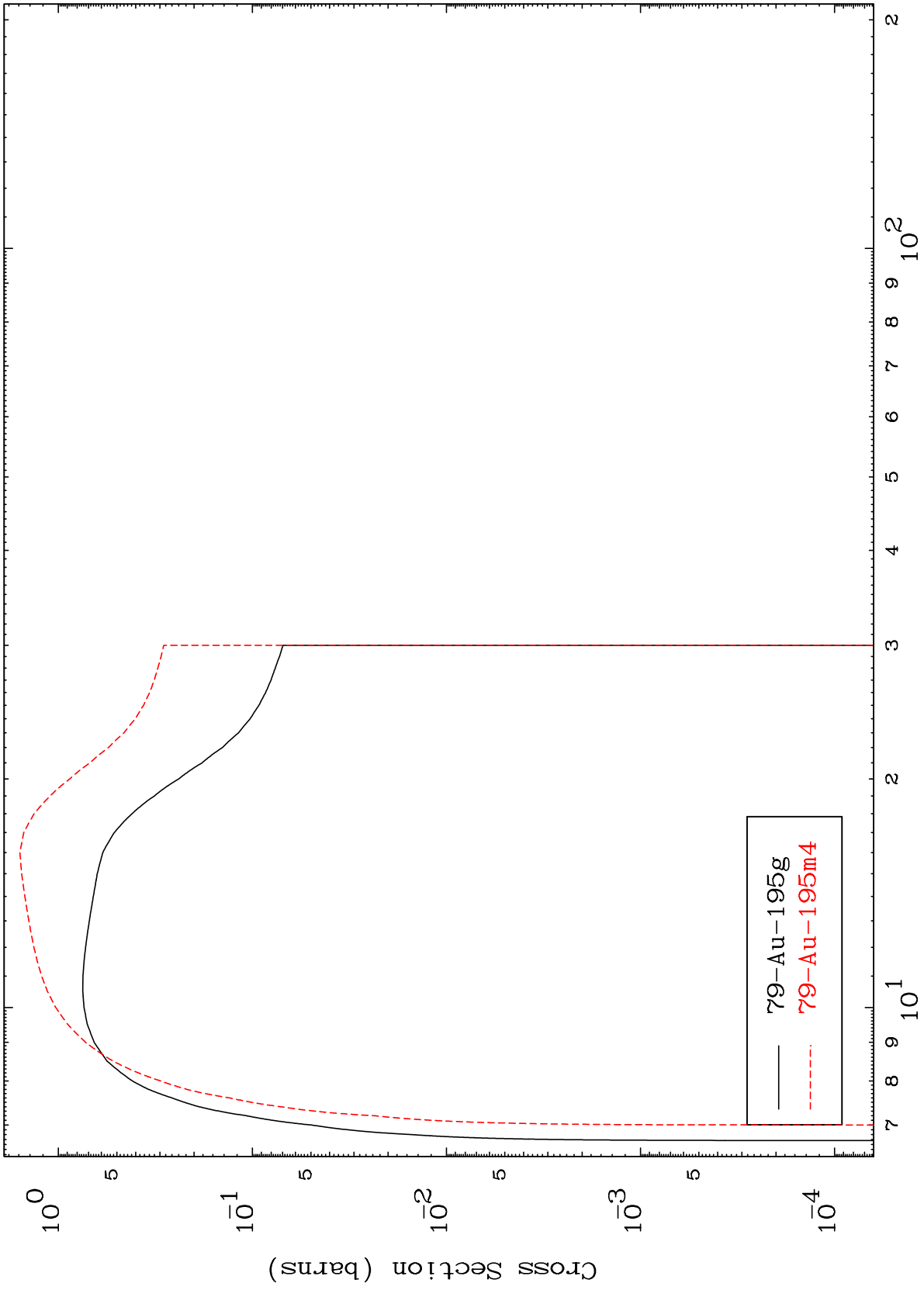
Incident Energy (MeV)

79-Au-196

MAT 7922

79-Au-196

(n,2n)  
Radionuclide Production Cross Section



116

Incident Energy (MeV)

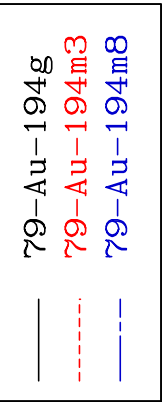
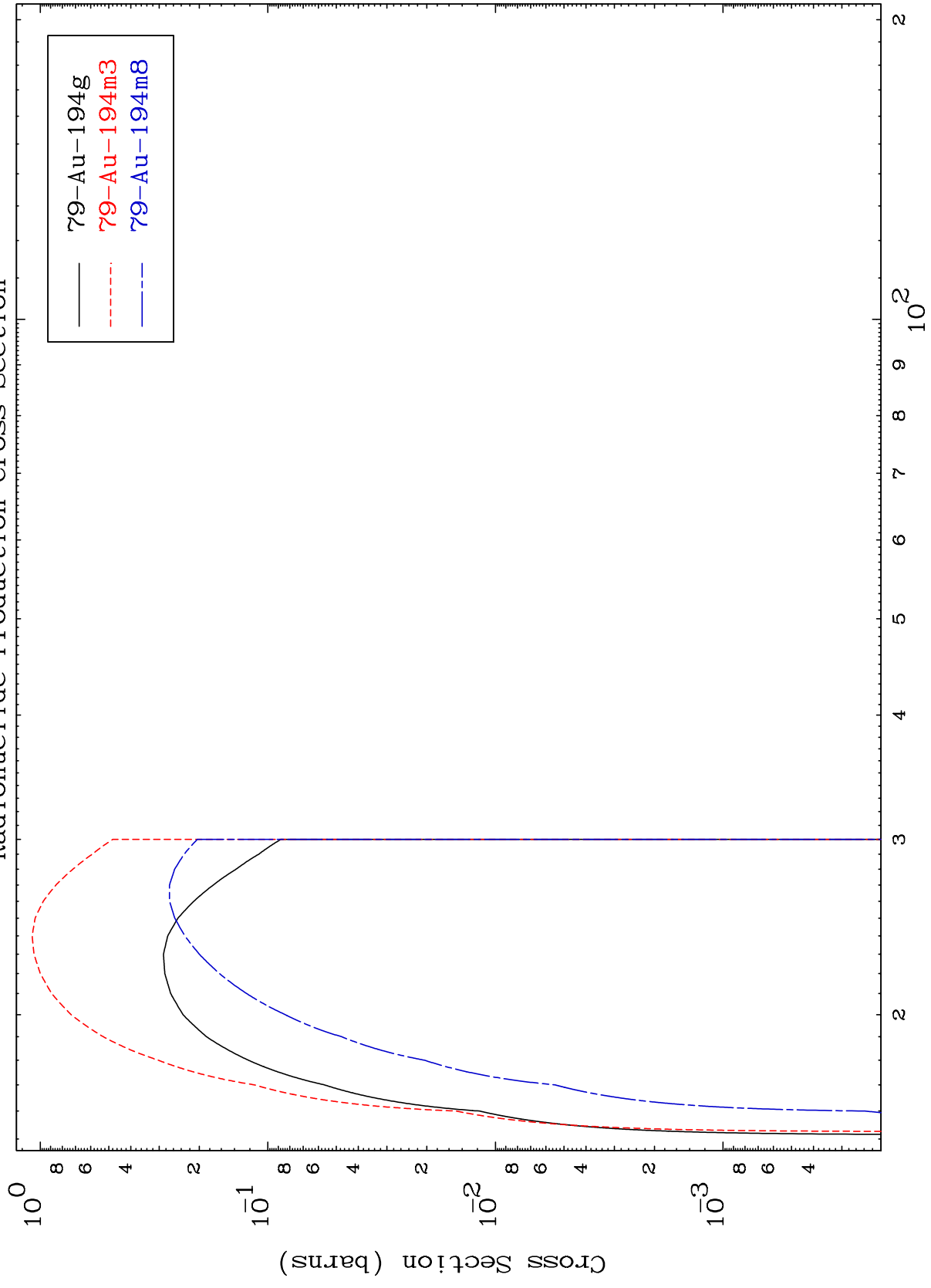
79-Au-196

MAT 7922

(n,3n)

<sup>79</sup>Au-196

Radionuclide Production Cross Section



117

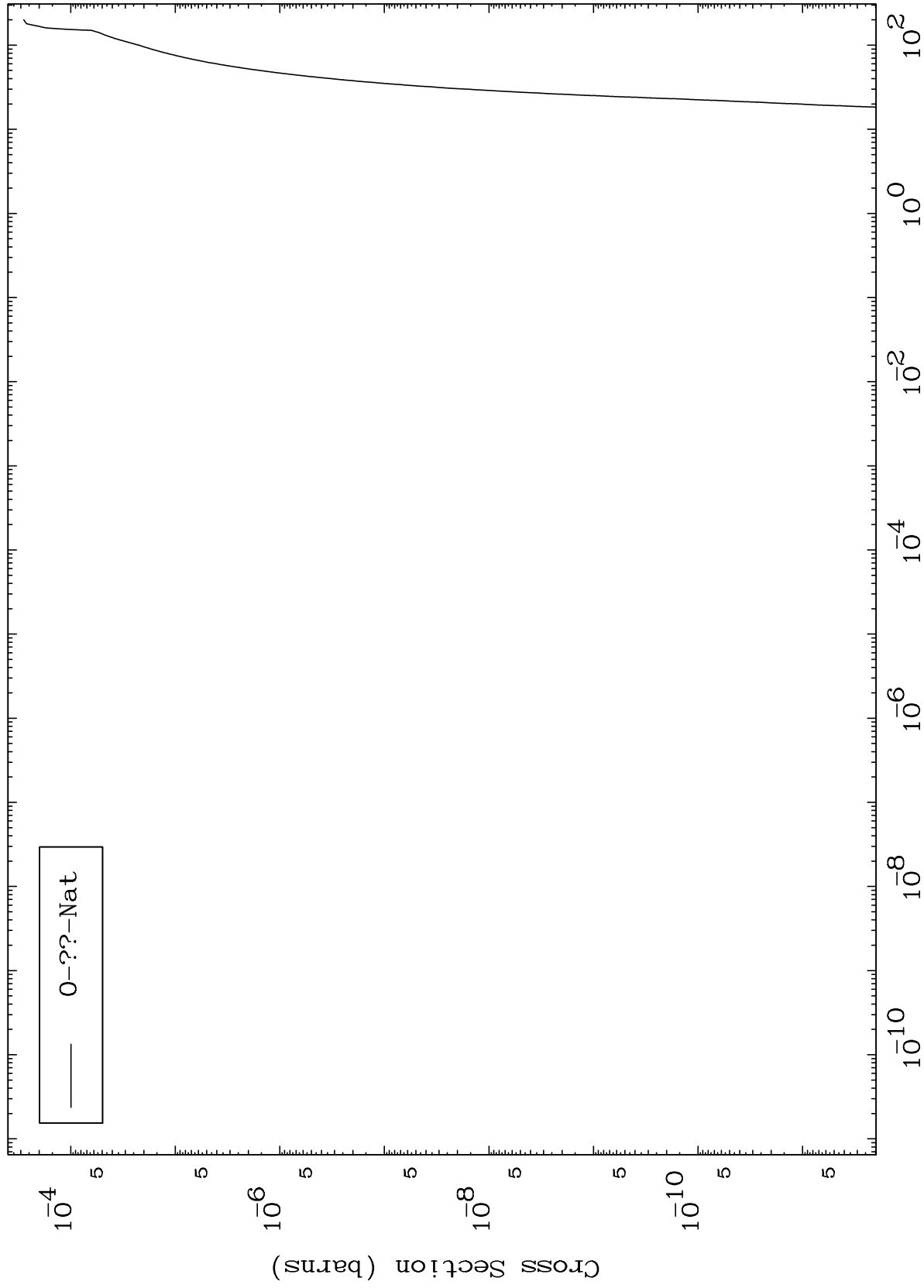
Incident Energy (MeV)

<sup>79</sup>Au-196

MAT 7922

Fission  
Radionuclide Production Cross Section

79-Au-196



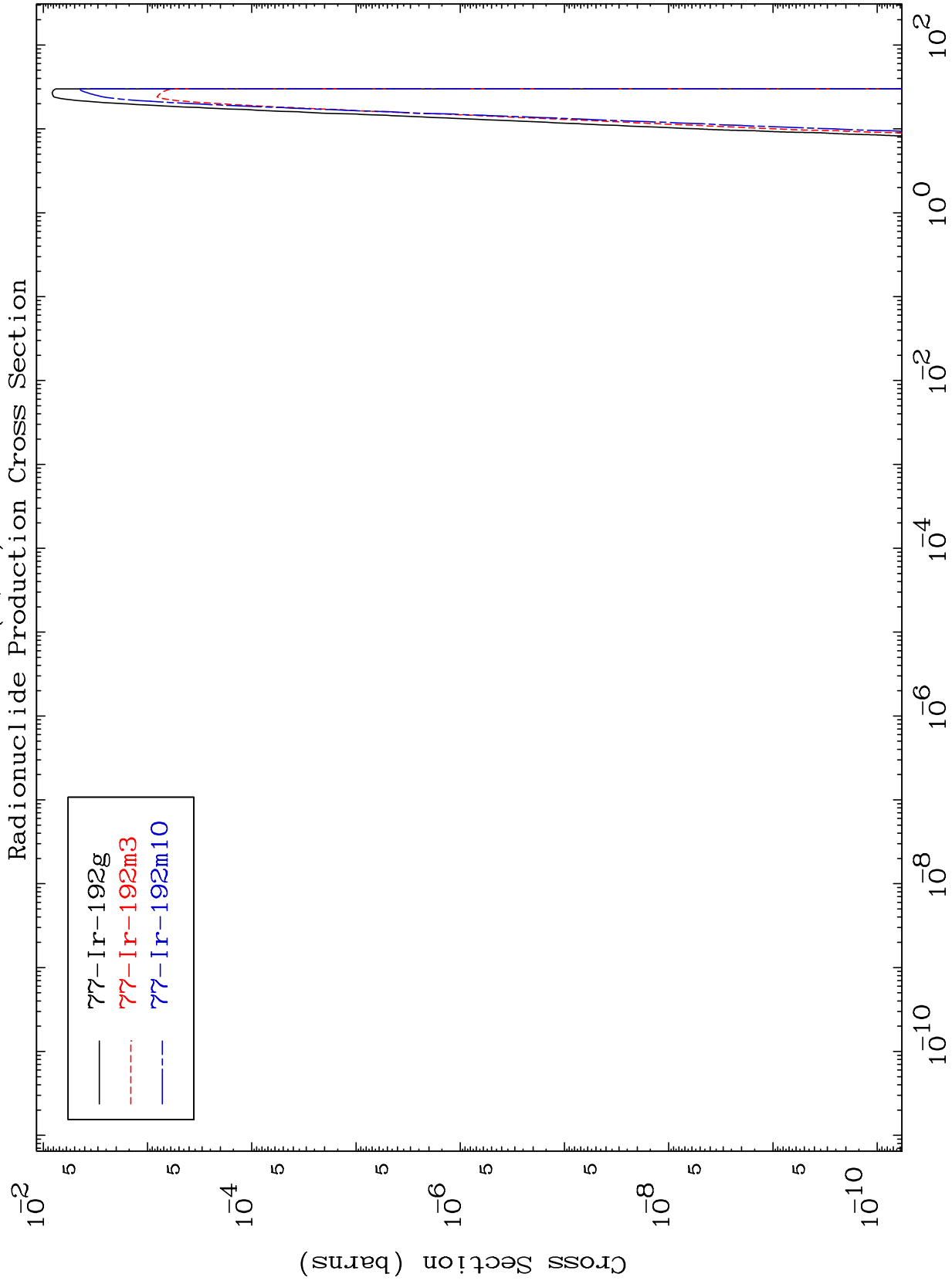
118

79-Au-196

MAT 7922

(n,n')  $\alpha$

79-Au-196



119

Incident Energy (MeV)

79-Au-196

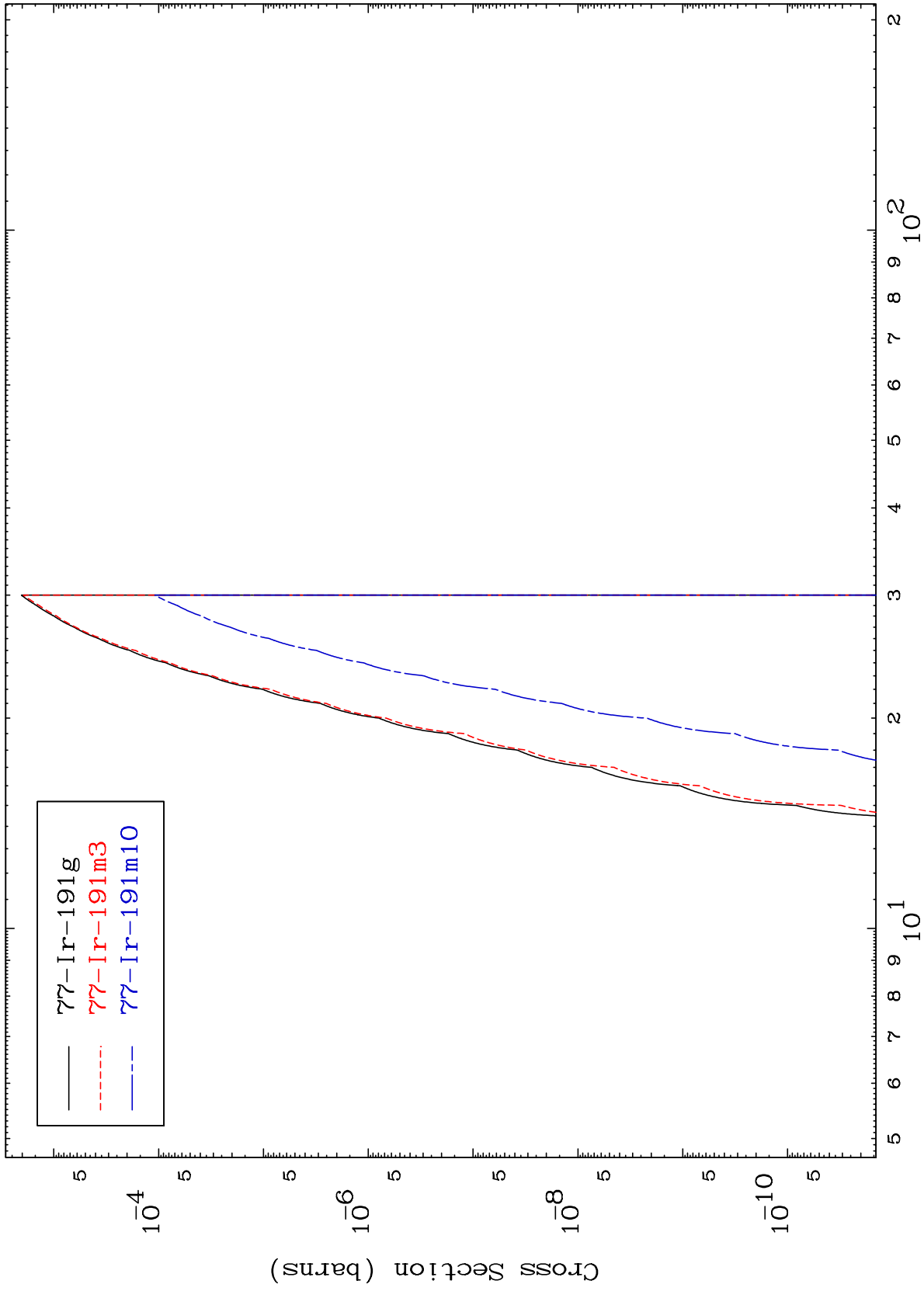


MAT 7922

$(n, 2n) \alpha$

$^{79}\text{Au-196}$

Radionuclide Production Cross Section



120

Incident Energy (MeV)

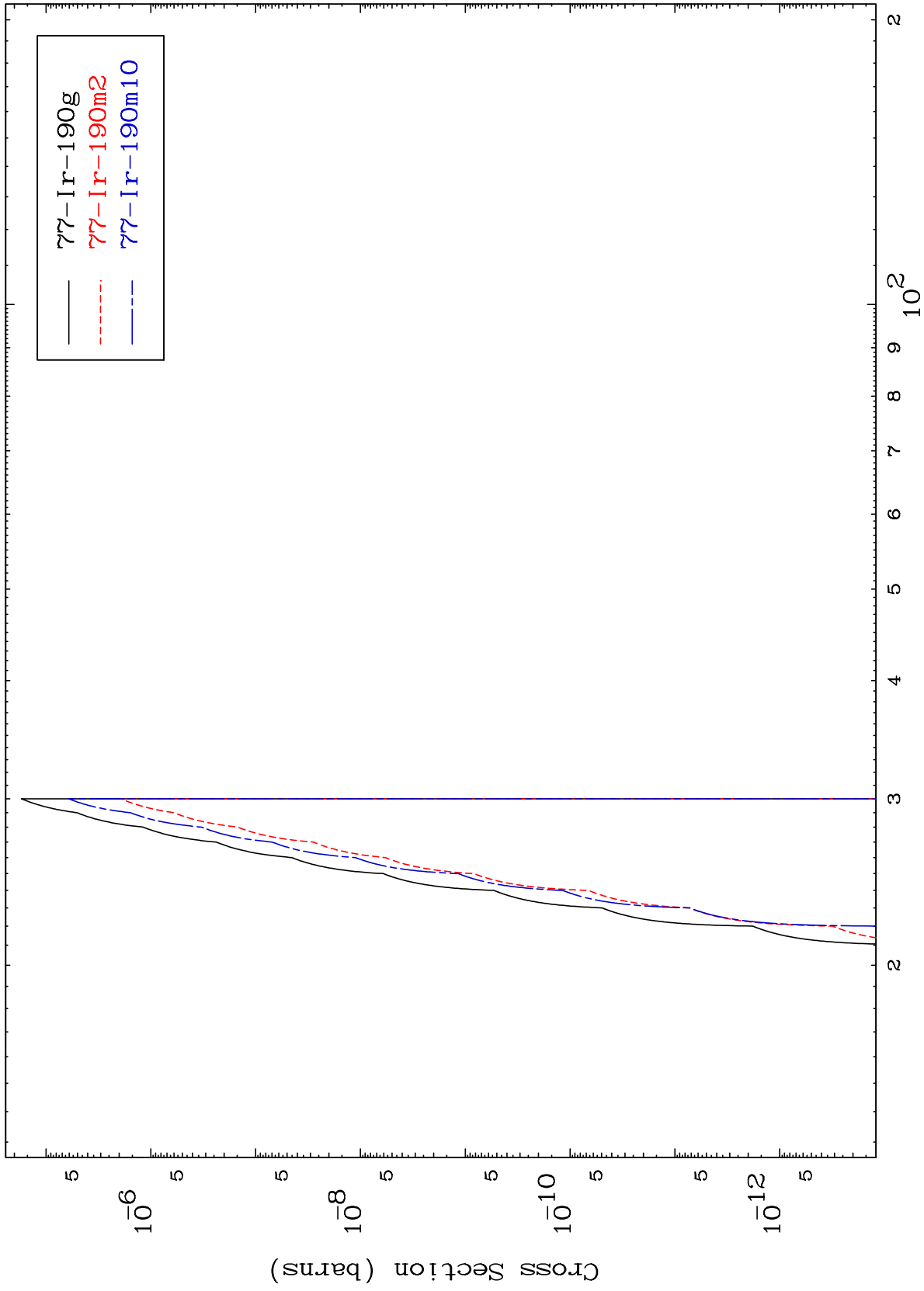
$^{79}\text{Au-196}$

MAT 7922

(n,3n)  $\alpha$

<sup>79</sup>Au-196

Radionuclide Production Cross Section



121

Incident Energy (MeV)

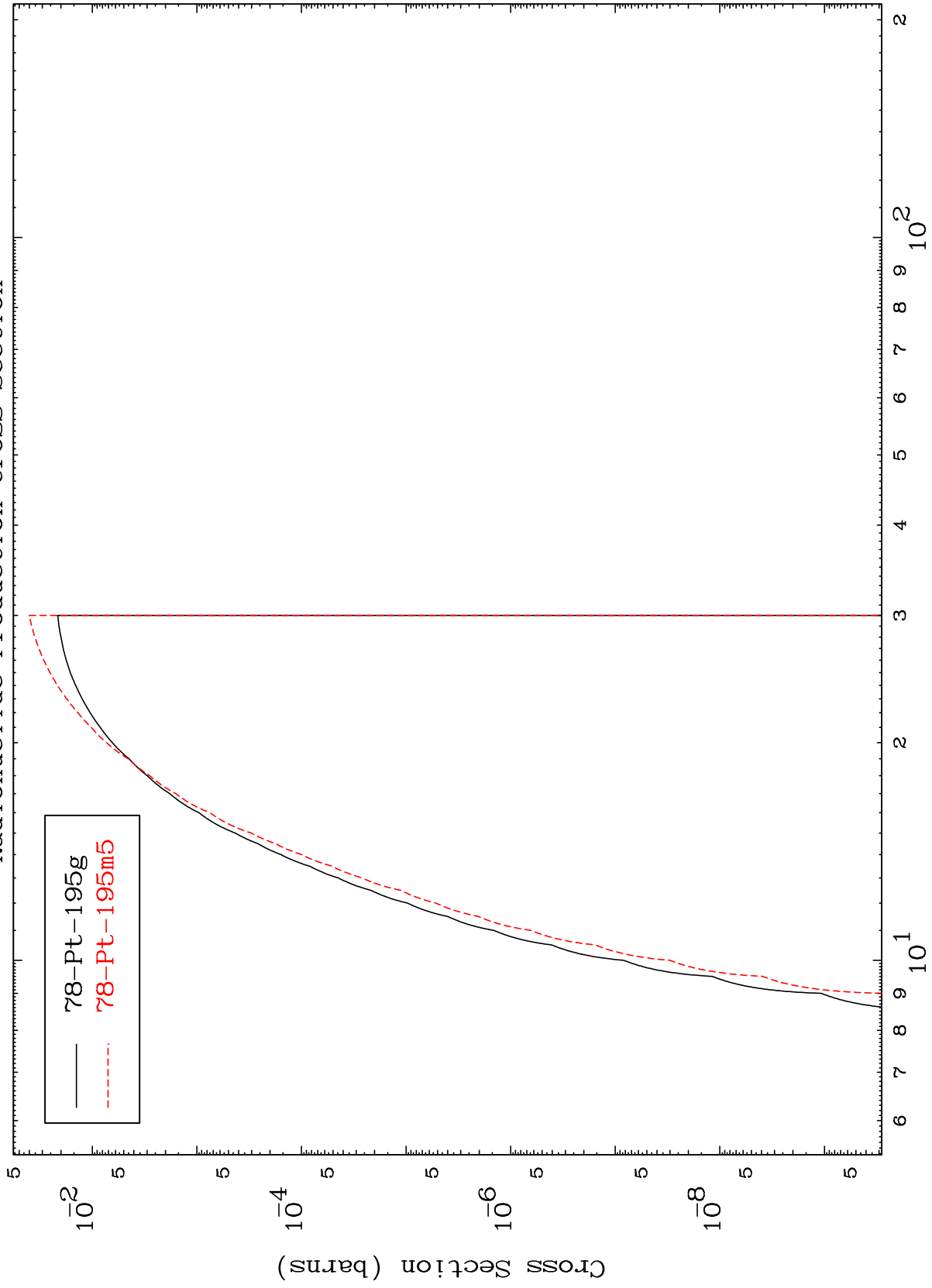
<sup>79</sup>Au-196

MAT 7922

(n,n') p

79-Au-196

Radionuclide Production Cross Section



78-Pt-195g  
78-Pt-195m5

122

Incident Energy (MeV)

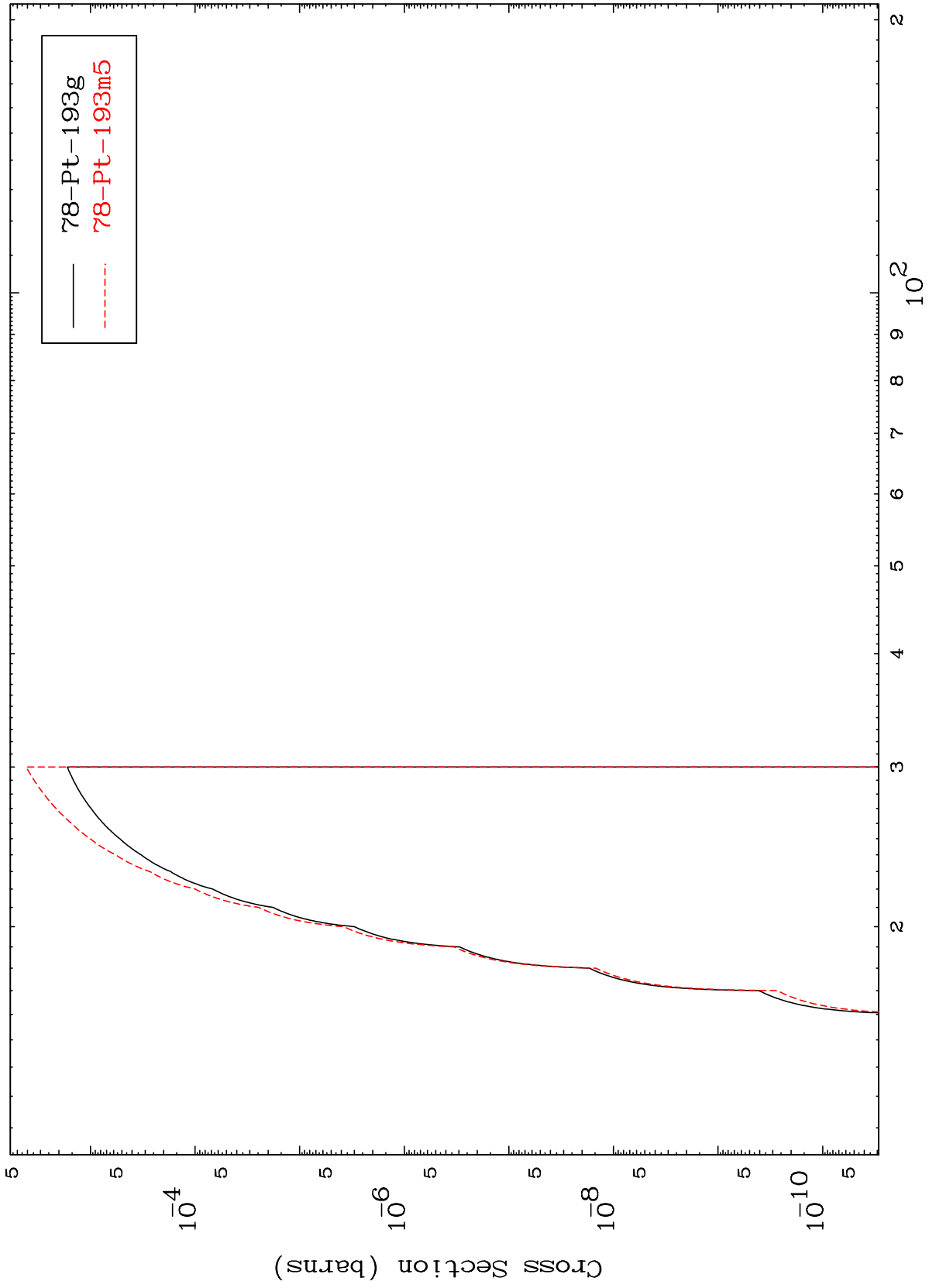
79-Au-196

MAT 7922

(n,n') t

79-Au-196

Radionuclide Production Cross Section



123

Incident Energy (MeV)

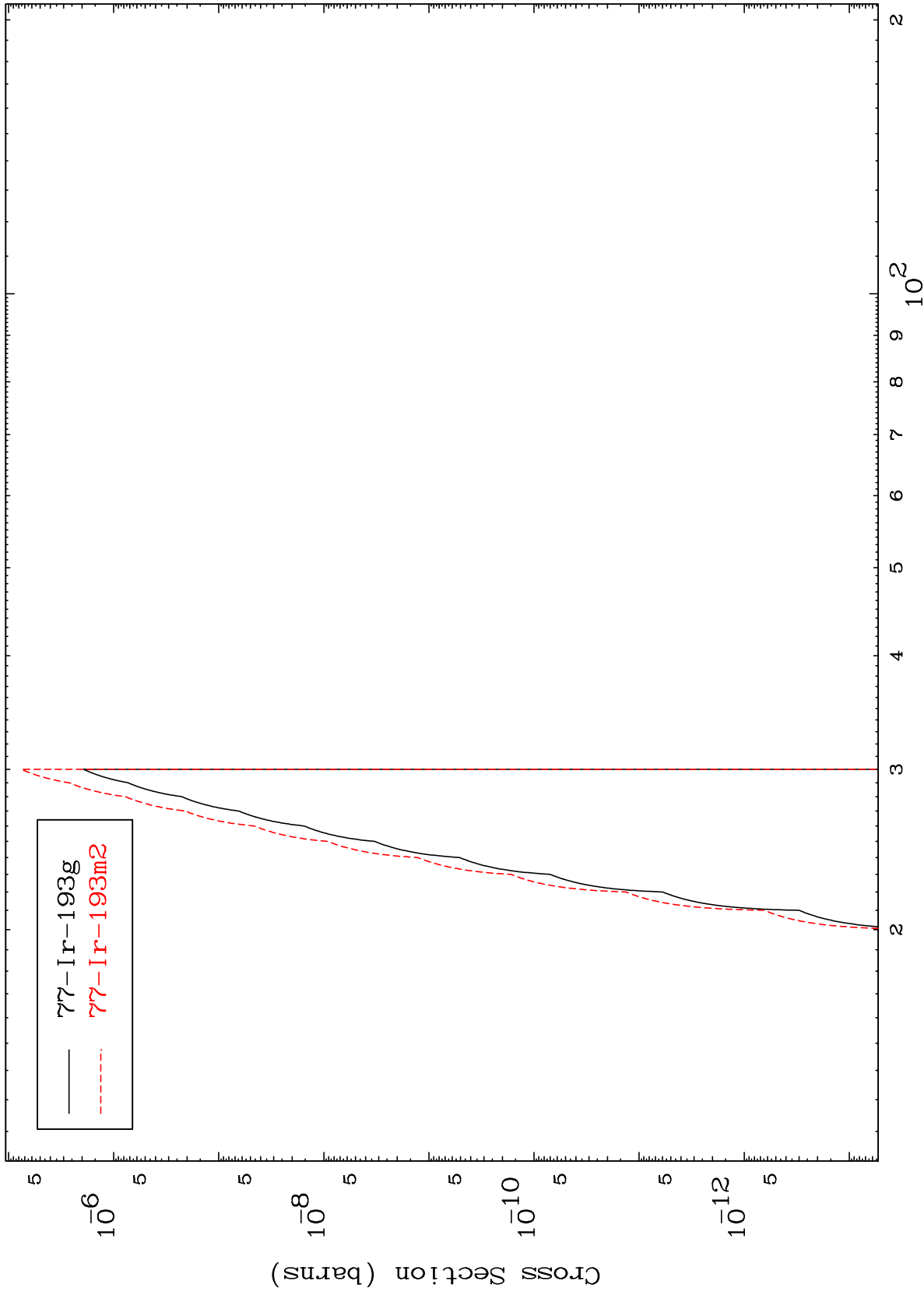
79-Au-196

MAT 7922

(n, n') He-3

79-Au-196

Radionuclide Production Cross Section



124

Incident Energy (MeV)

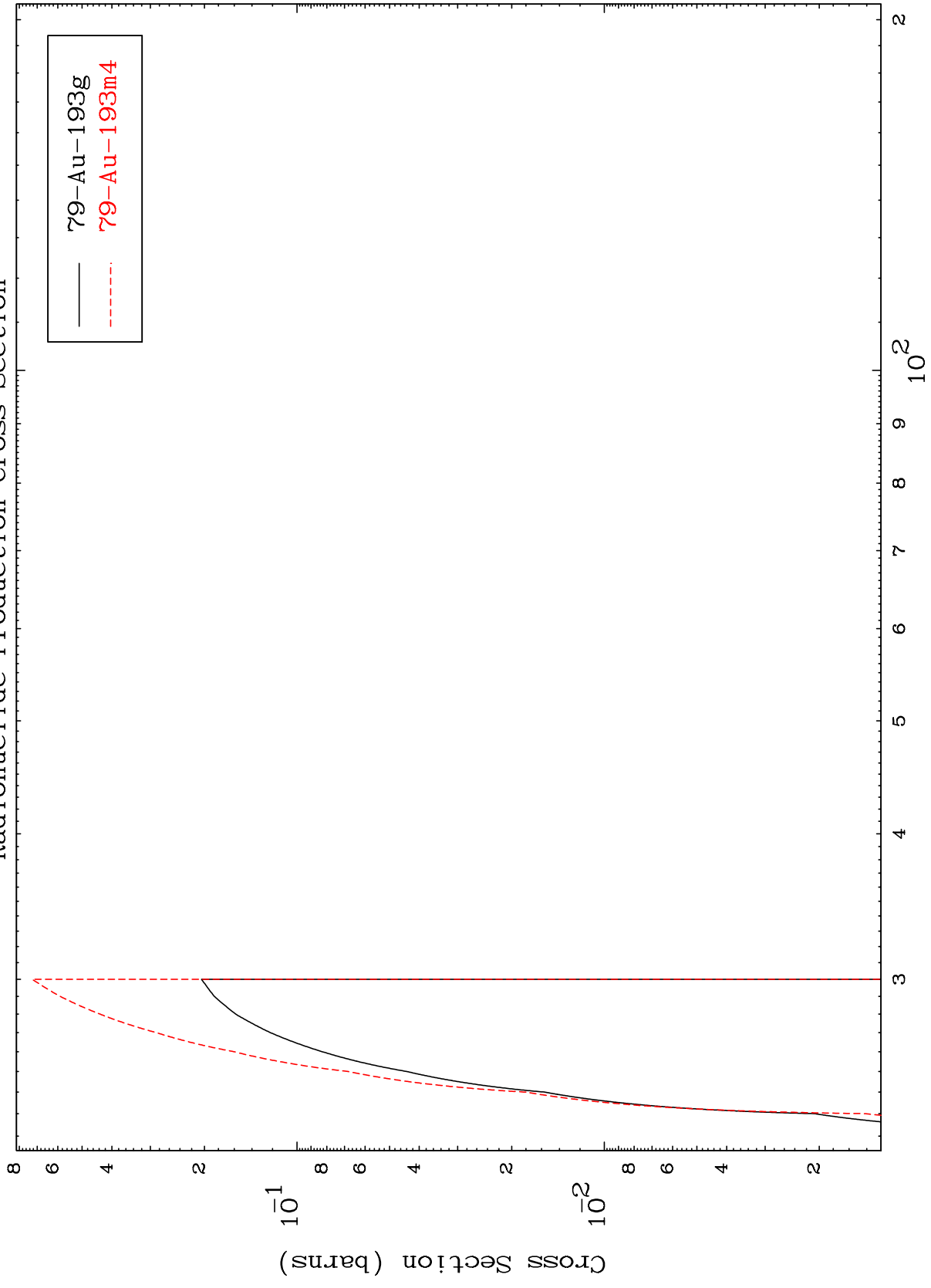
79-Au-196

MAT 7922

(n,4n)

79-Au-196

Radionuclide Production Cross Section



125

Incident Energy (MeV)

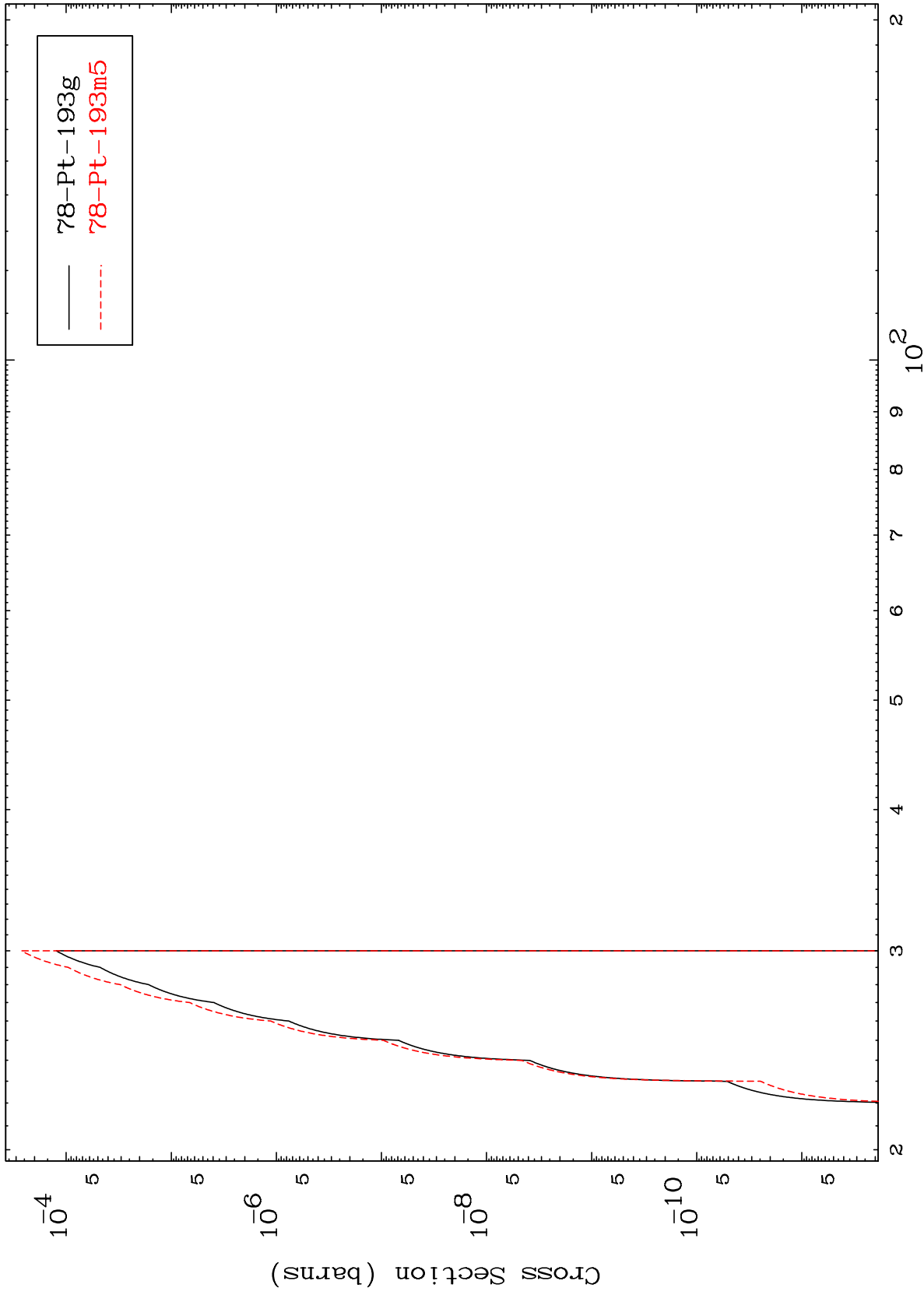
79-Au-196

MAT 7922

(n,3n) p

79-Au-196

Radionuclide Production Cross Section



126

Incident Energy (MeV)

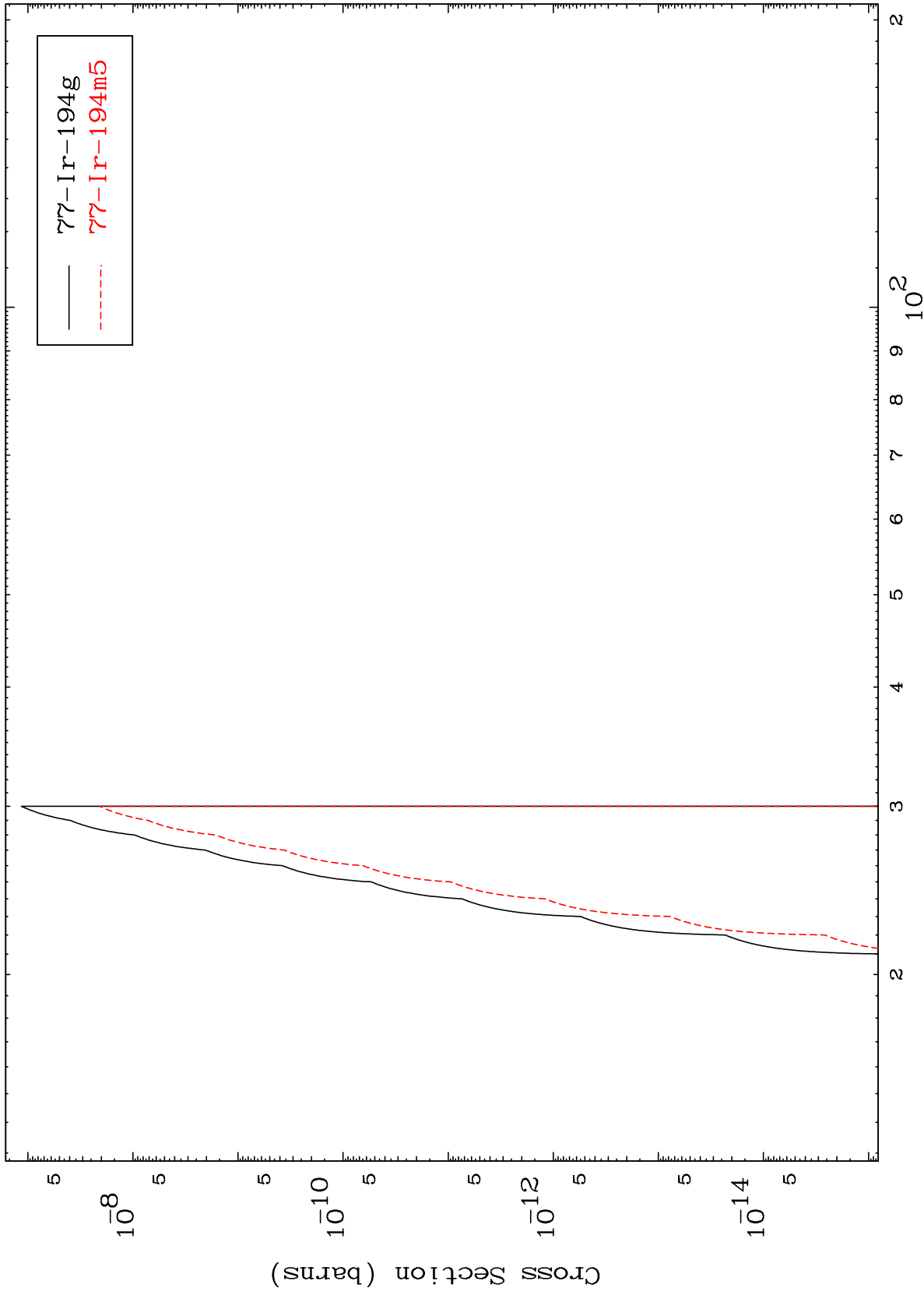
79-Au-196

MAT 7922

(n,2n) p

79-Au-196

Radionuclide Production Cross Section



127

Incident Energy (MeV)

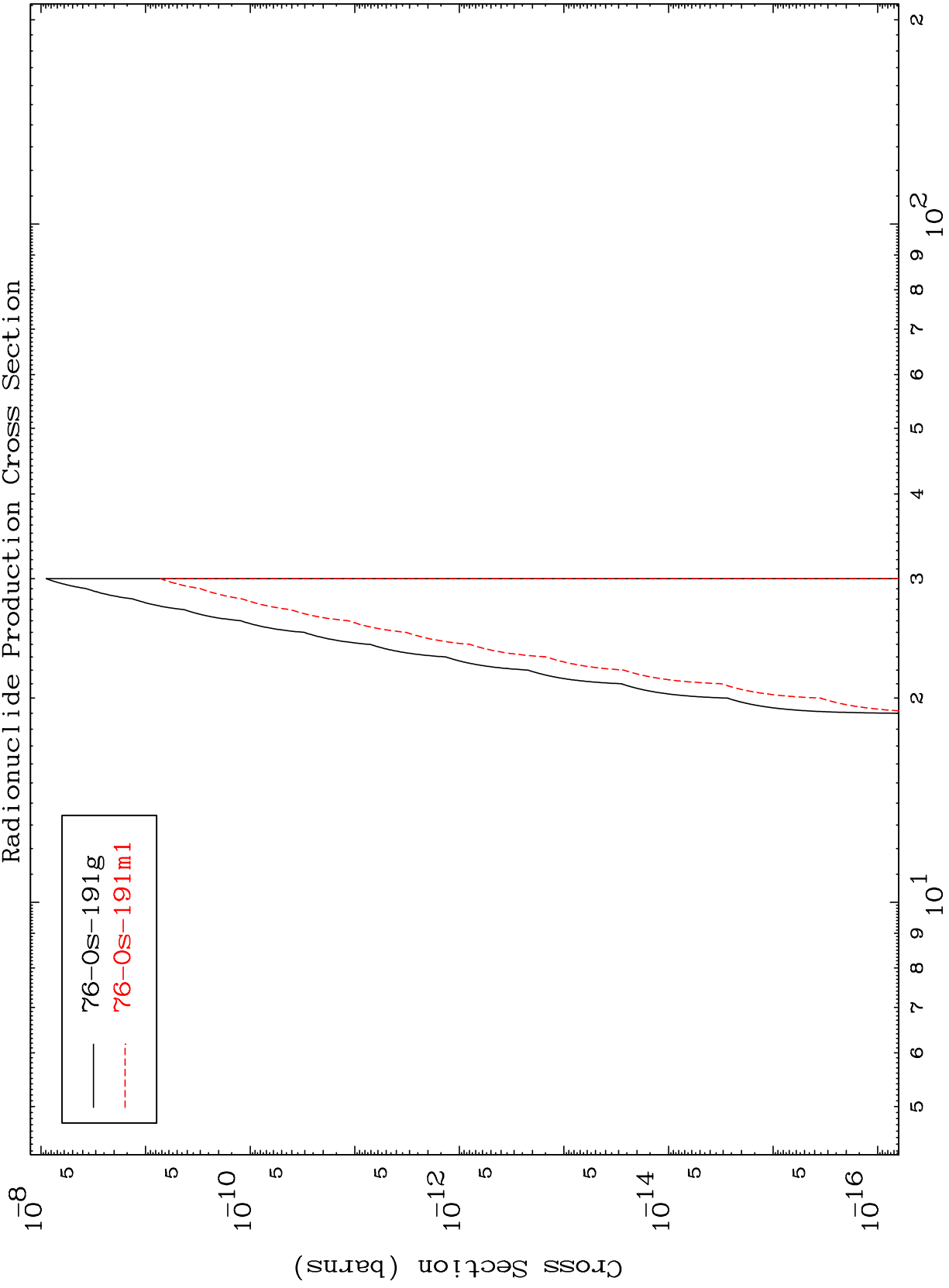
79-Au-196



MAT 7922

79-Au-196

(n,n') p  $\alpha$   
Radionuclide Production Cross Section



128

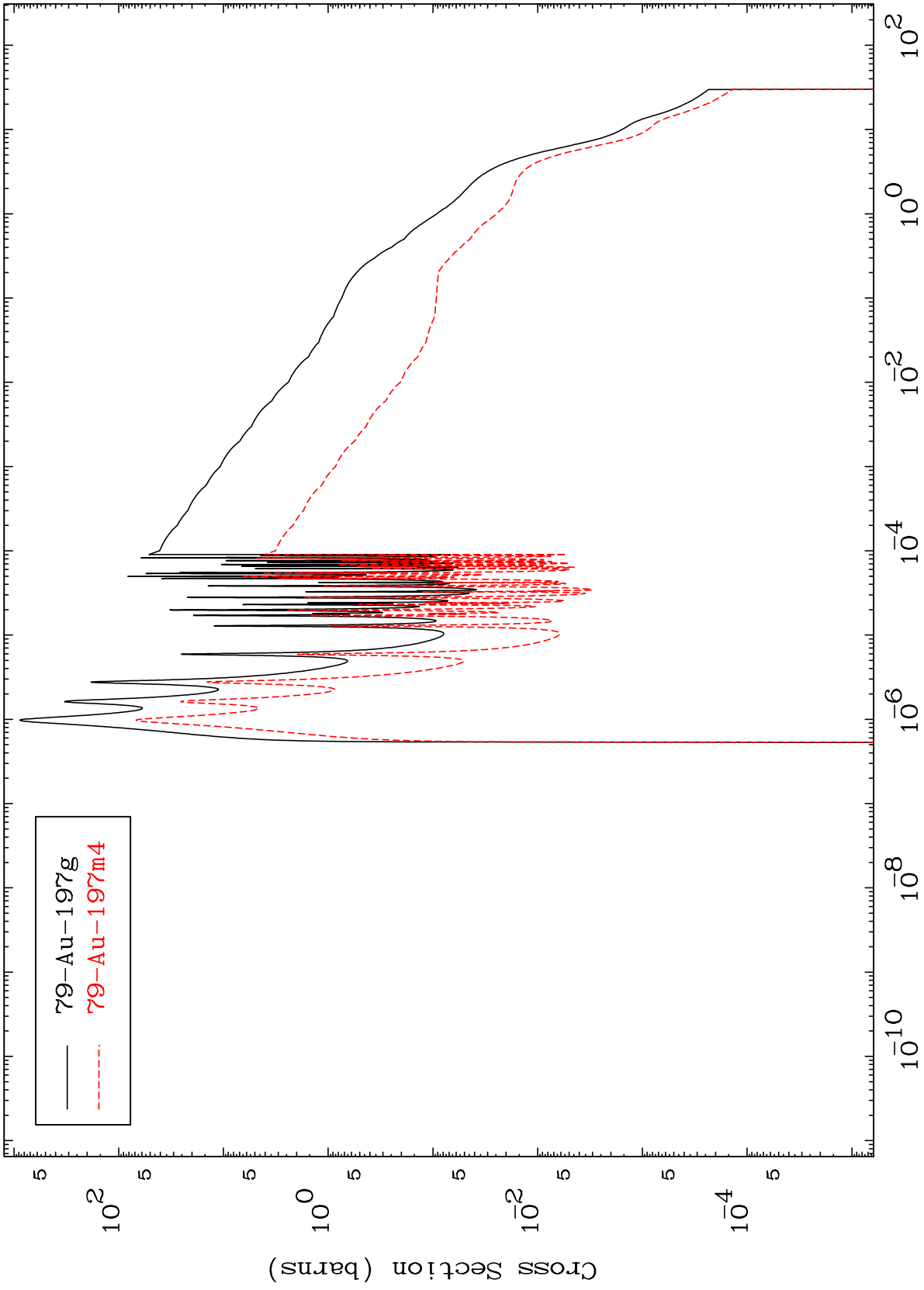
Incident Energy (MeV)

79-Au-196

MAT 7922

Radionuclide Production Cross Section  
(n,  $\gamma$ )

<sup>79</sup>Au-196



129

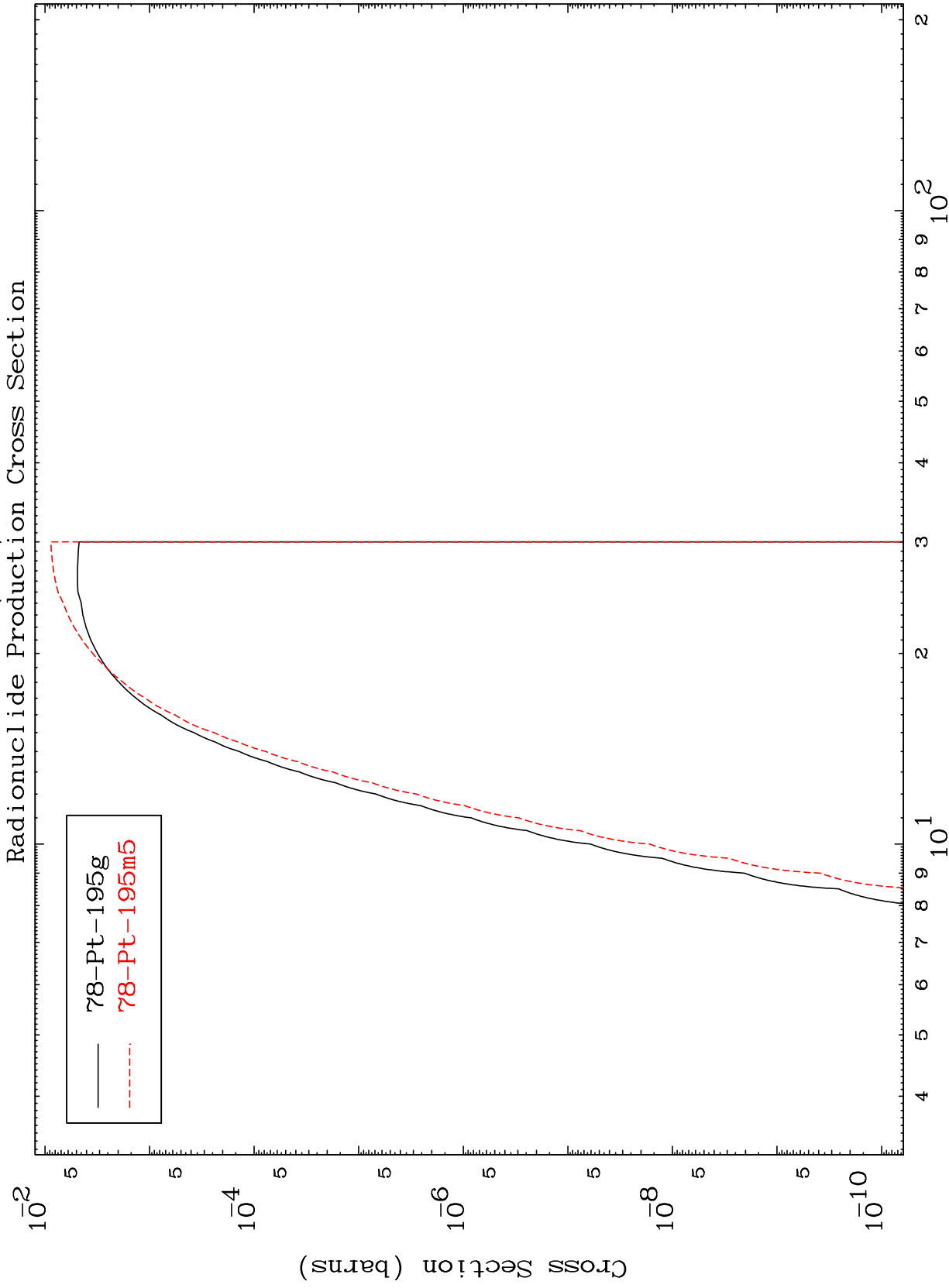
Incident Energy (MeV)

<sup>79</sup>Au-196

MAT 7922

(n,d)

<sup>79</sup>Au-196



130

Incident Energy (MeV)

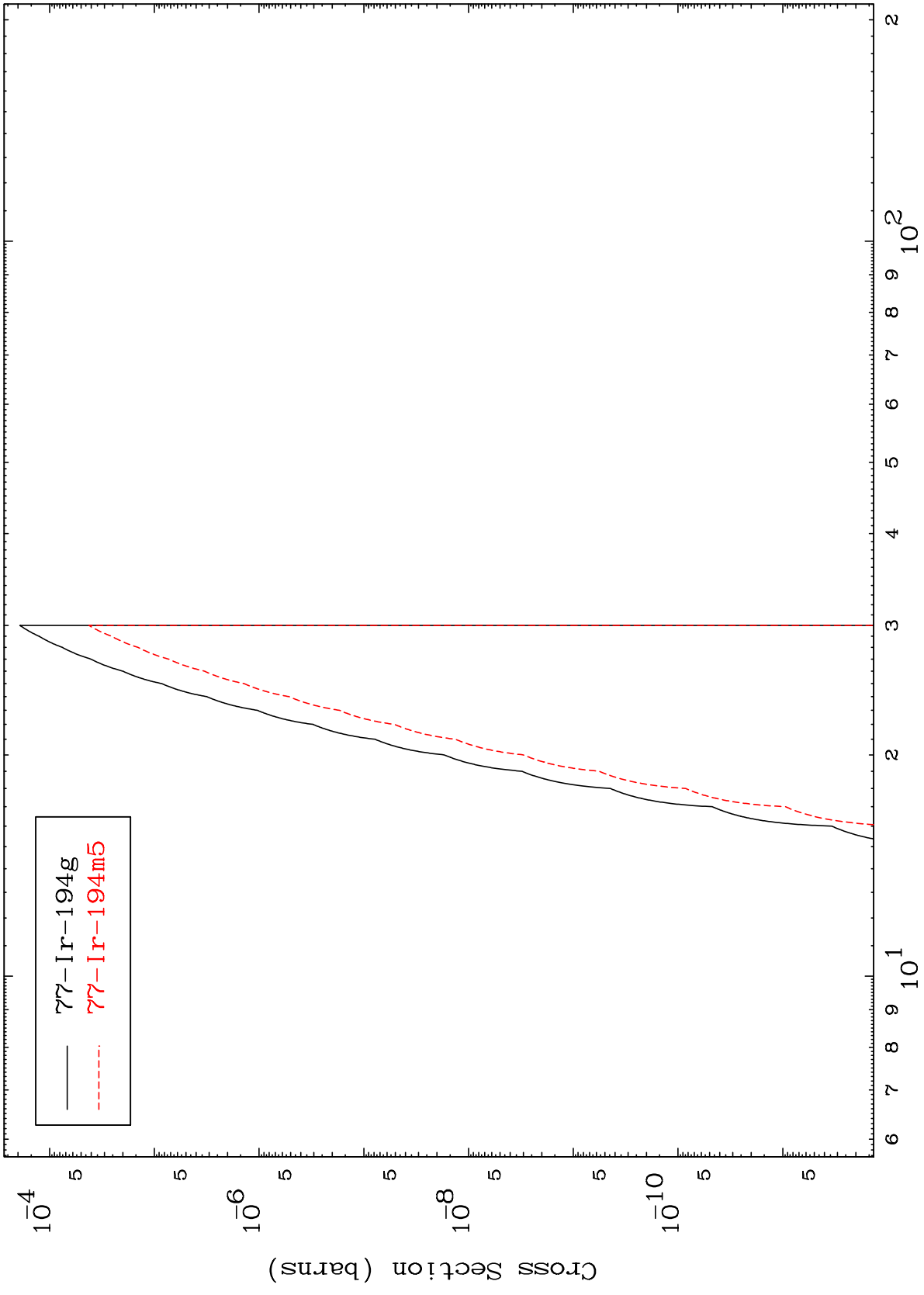
<sup>79</sup>Au-196

MAT 7922

(n, He-3)

79-Au-196

Radionuclide Production Cross Section



131

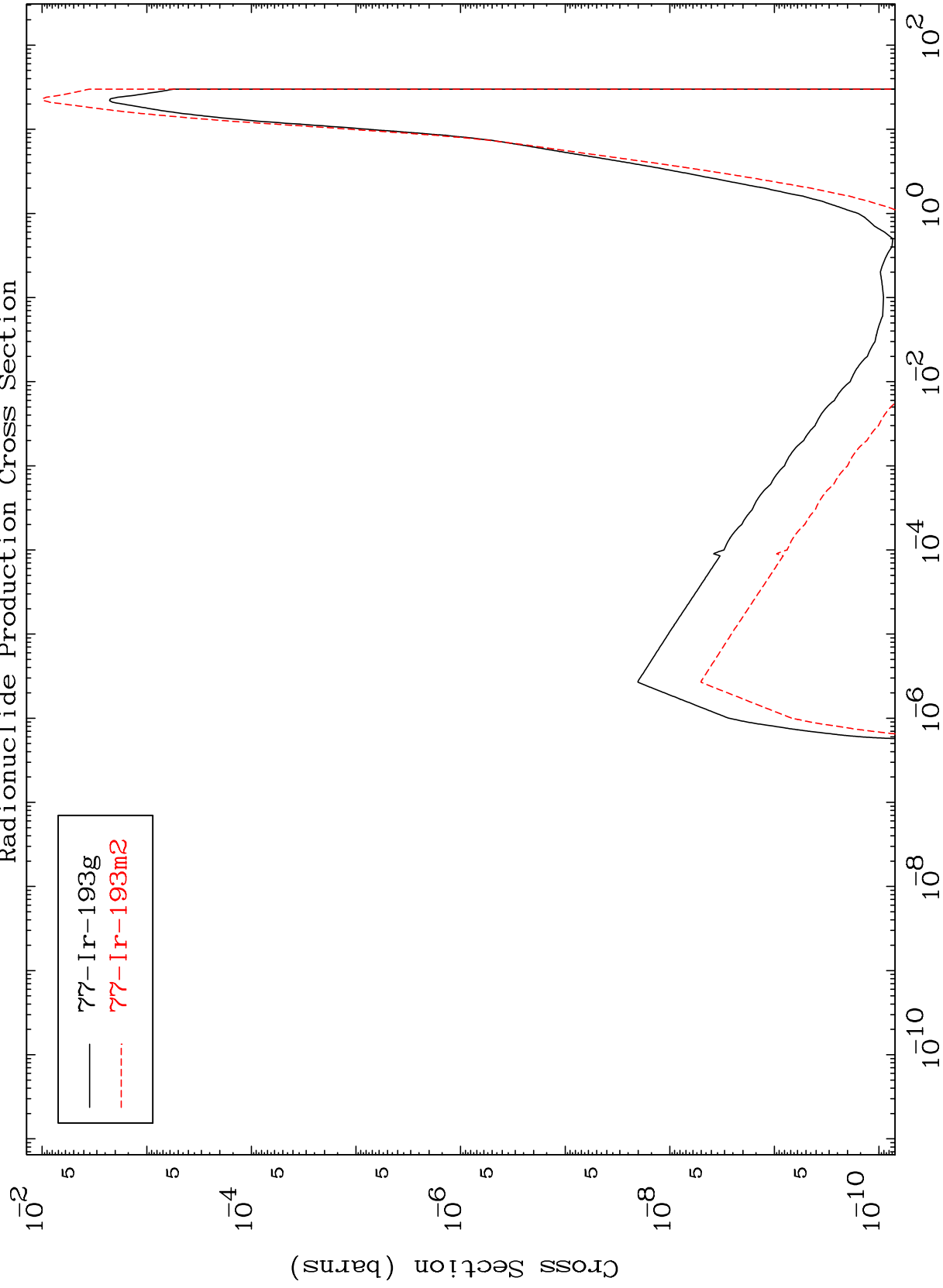
79-Au-196

MAT 7922

(n,  $\alpha$ )

<sup>79</sup>Au-196

Radionuclide Production Cross Section



132

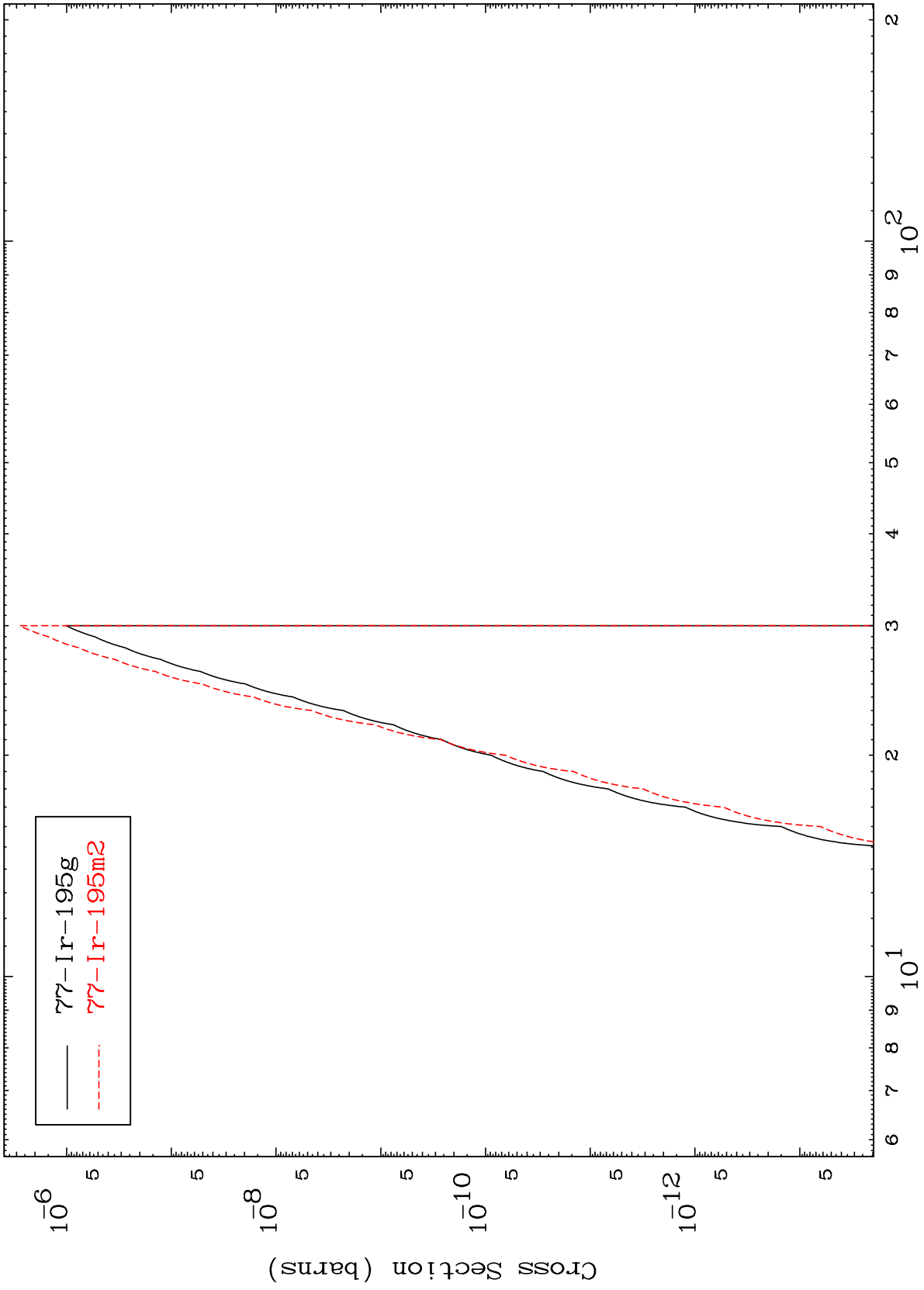
Incident Energy (MeV)

<sup>79</sup>Au-196

MAT 7922

79-Au-196

Radionuclide Production Cross Section (n,2p)



133

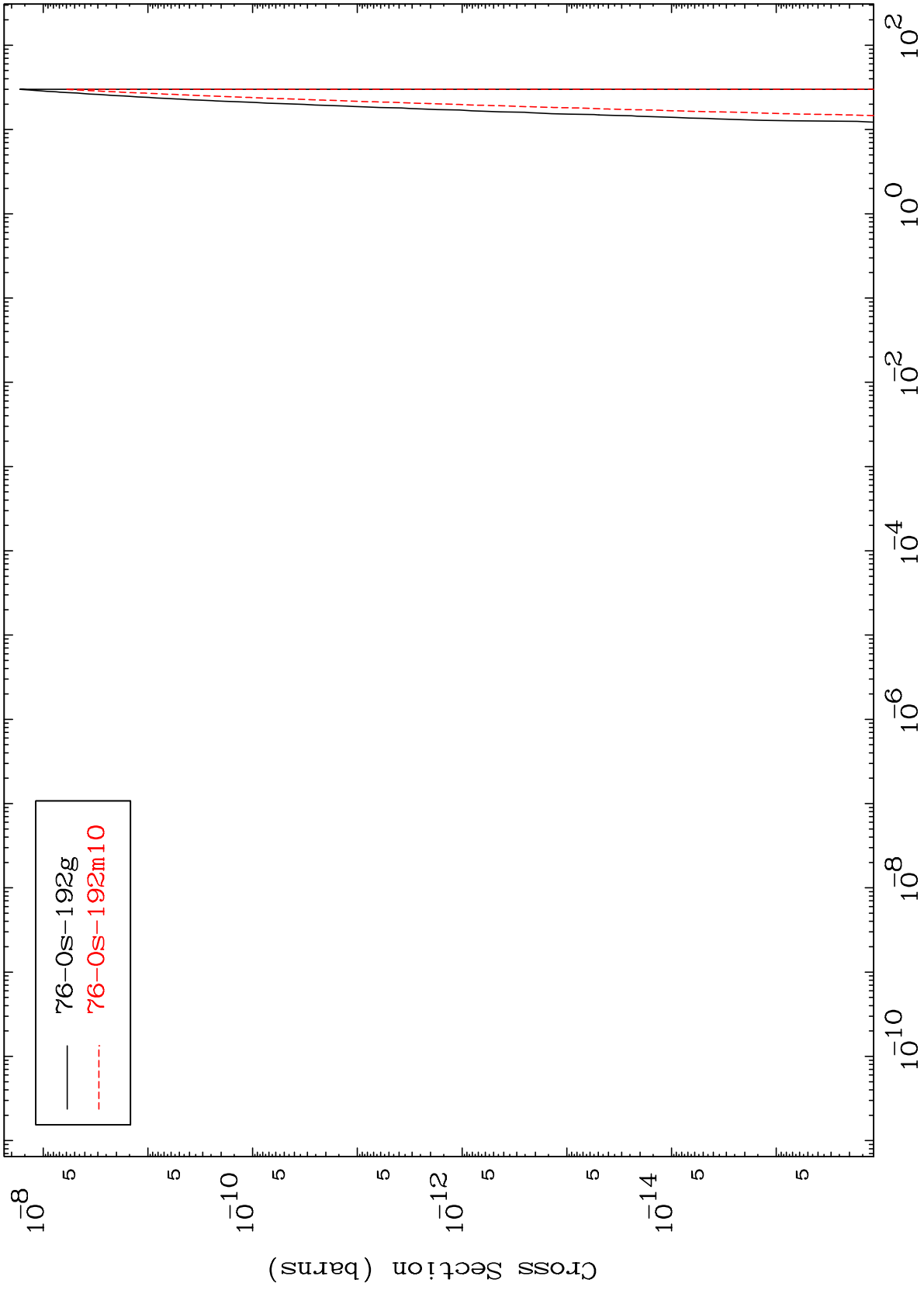
79-Au-196

MAT 7922

(n,p)  $\alpha$

<sup>79</sup>Au-196

Radionuclide Production Cross Section



134

Incident Energy (MeV)

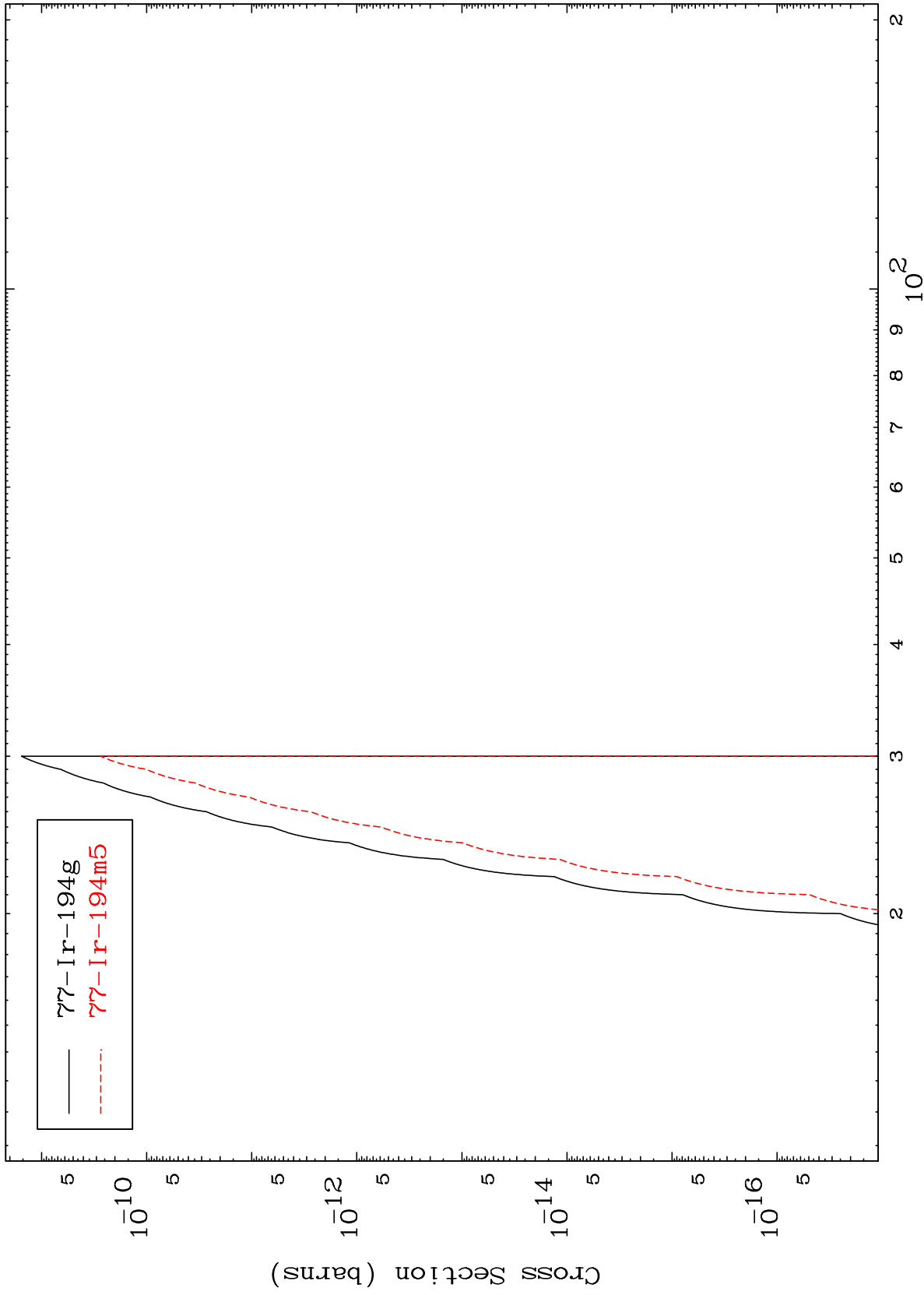
<sup>79</sup>Au-196

MAT 7922

(n,p) d

79-Au-196

Radionuclide Production Cross Section



135

Incident Energy (MeV)

79-Au-196

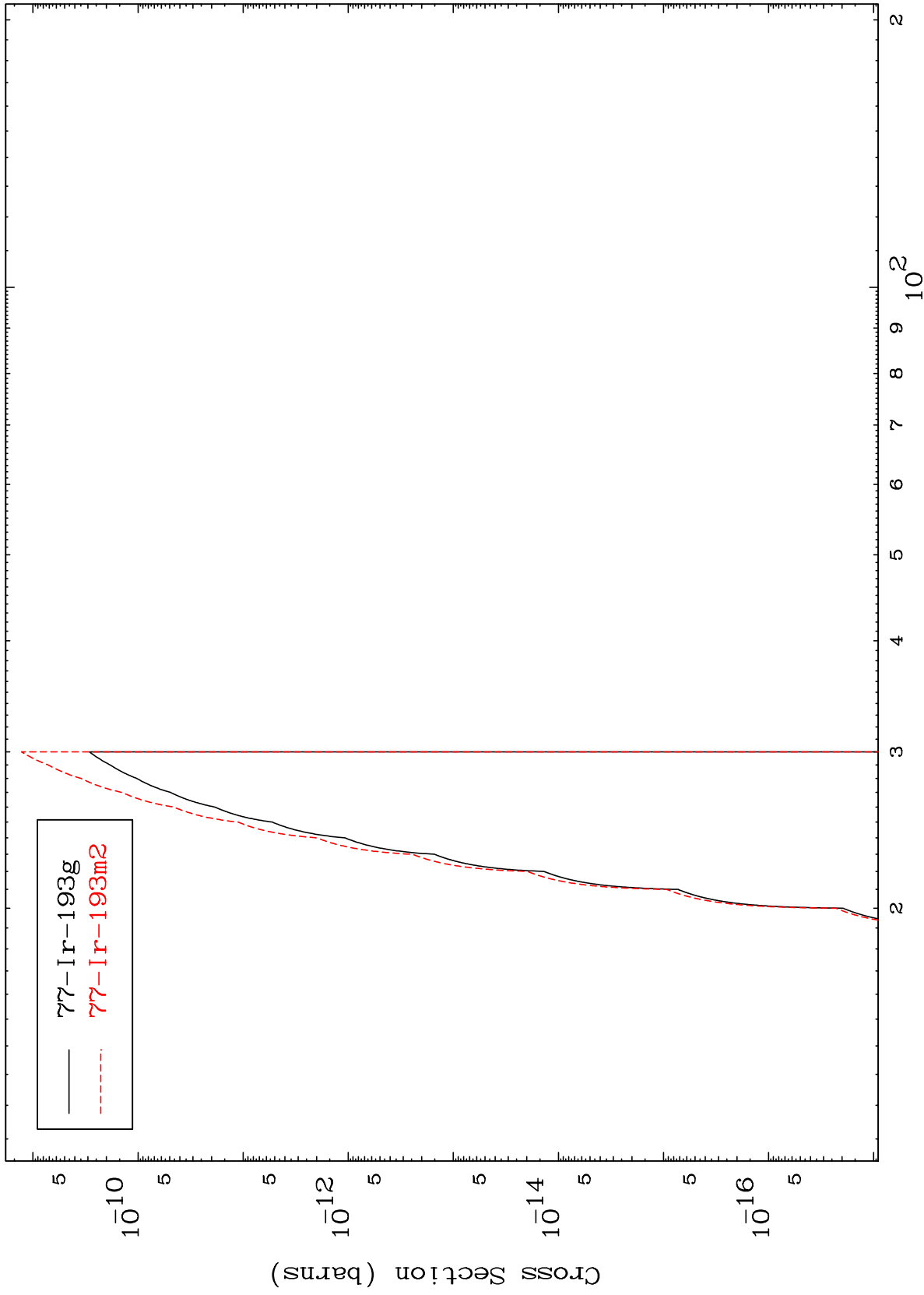


MAT 7922

(n,p) t

79-Au-196

Radionuclide Production Cross Section



136

79-Au-196