

Program EVALPLOT
(Version 2018-1)

by

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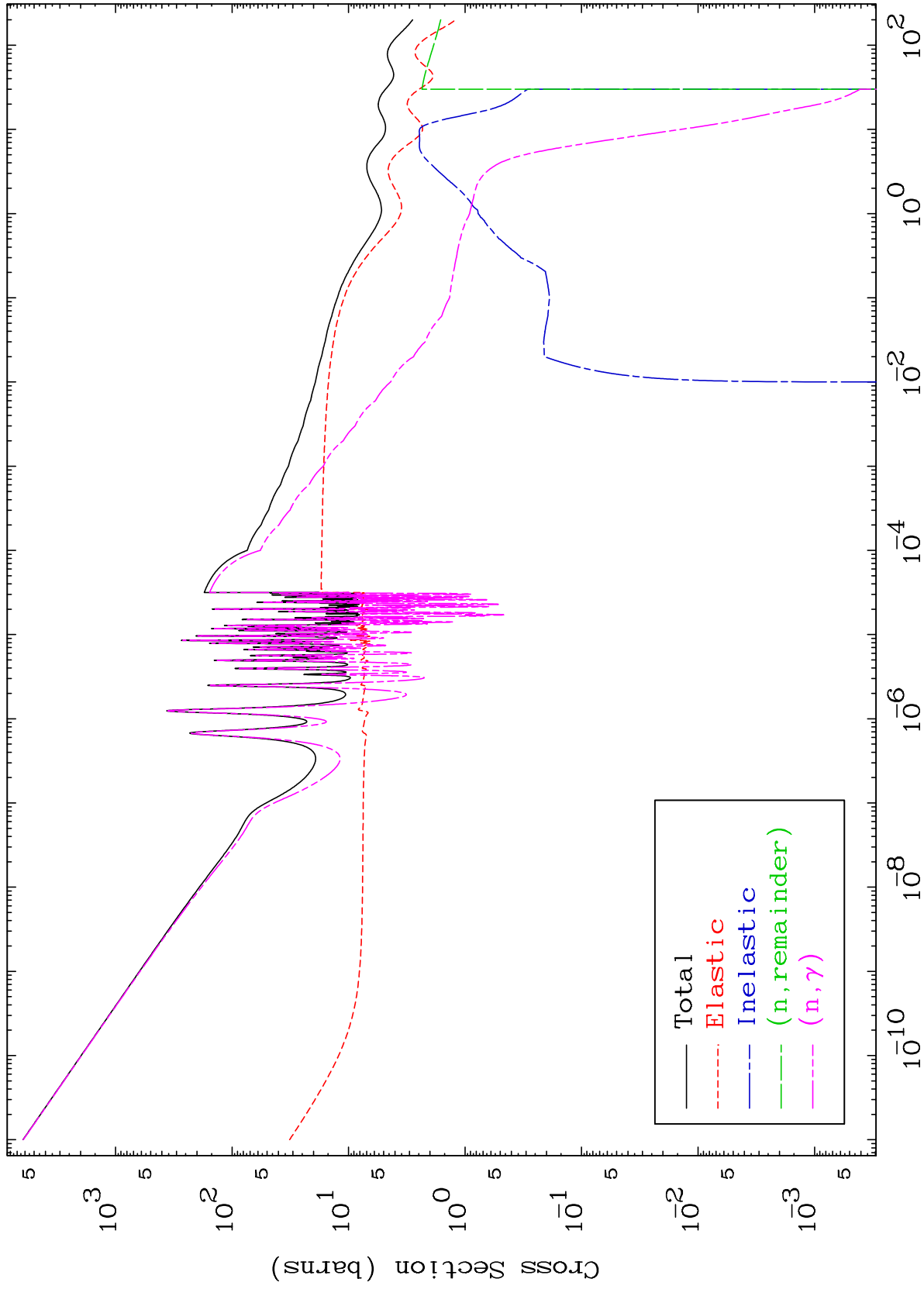
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7901

Major
293 Kelvin Cross Sections

79-Au-189

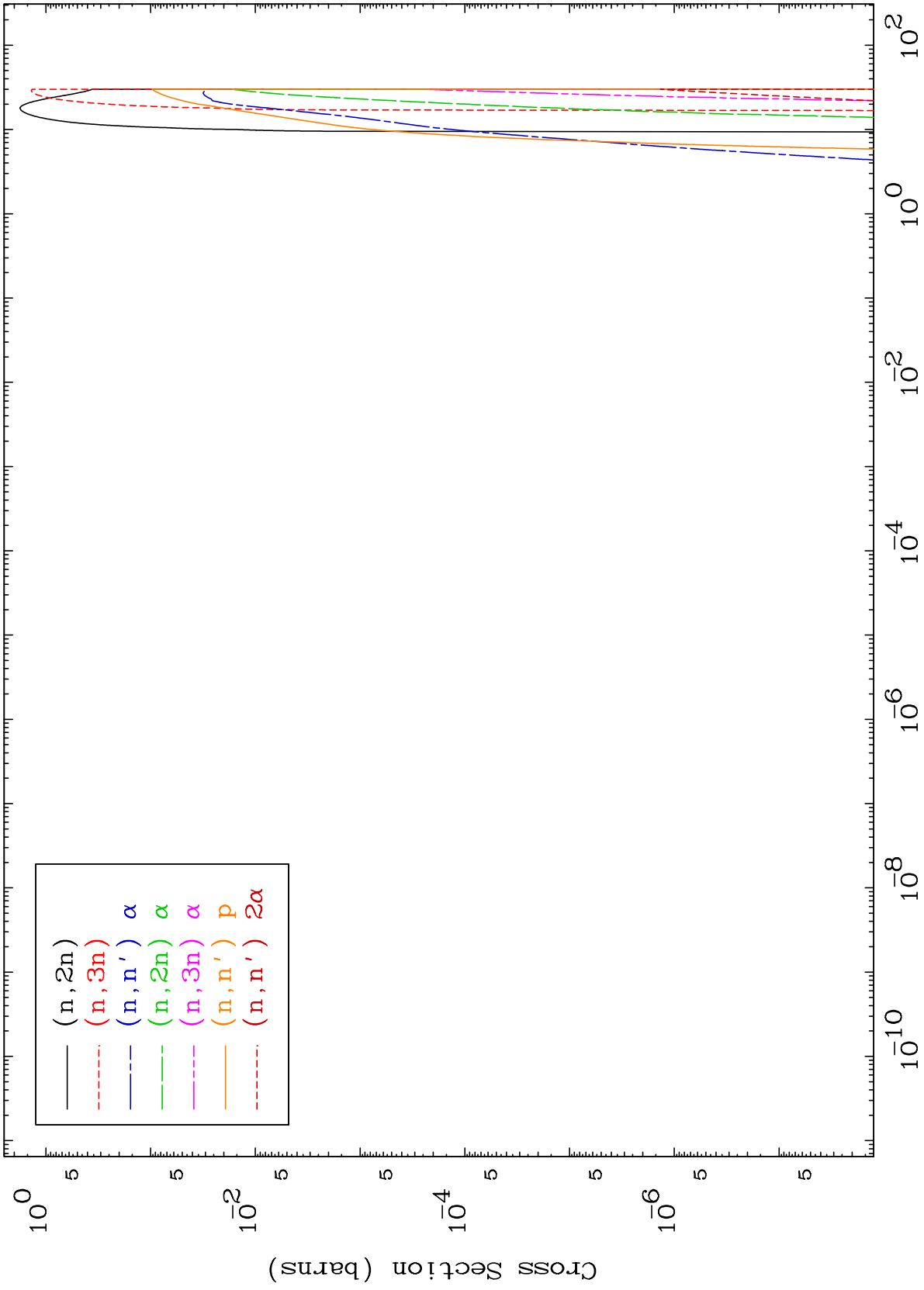


79-Au-189

MAT 7901

Neutron Production
293 Kelvin Cross Sections

79-Au-189

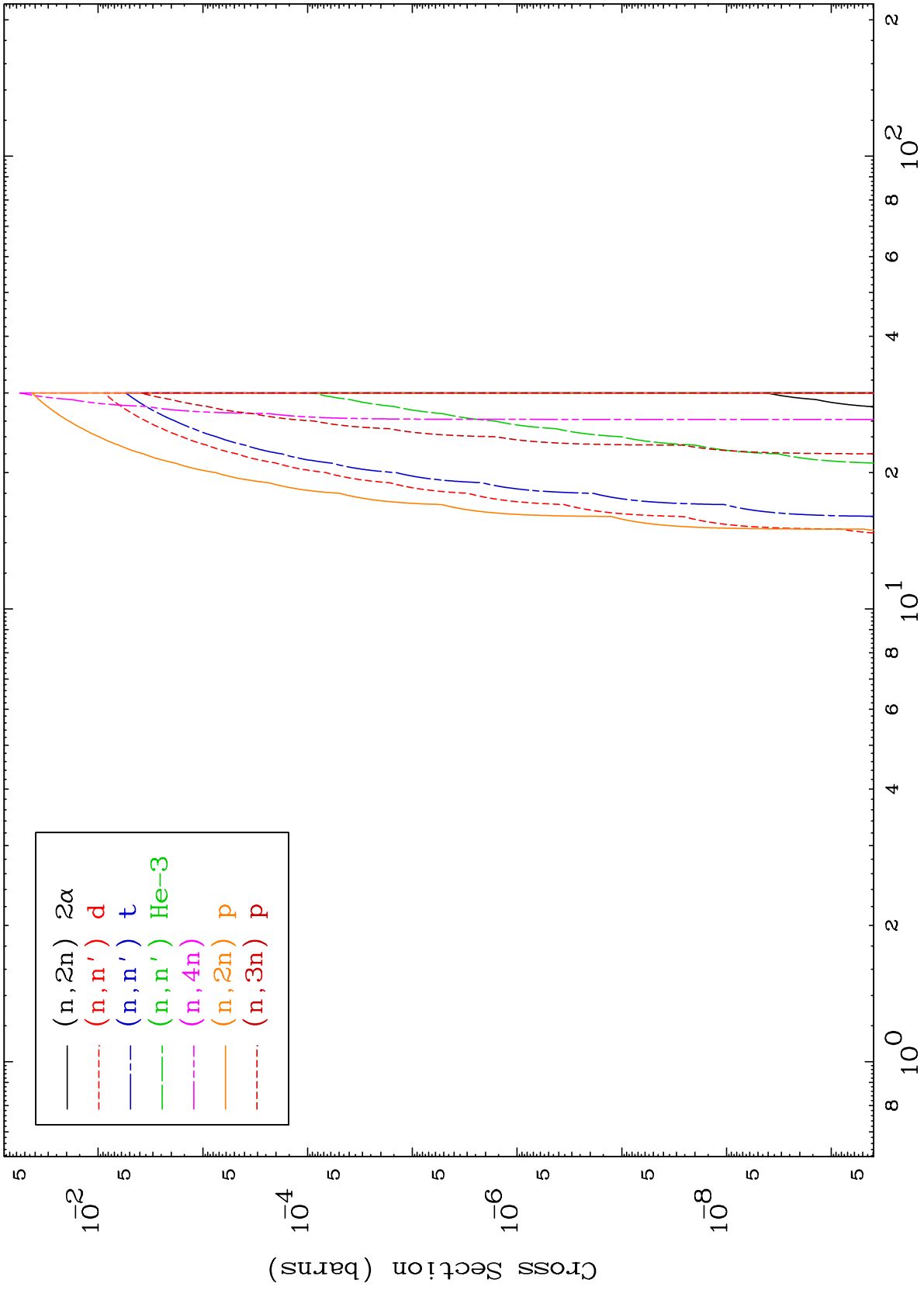


79-Au-189

MAT 7901

Neutron Production
293 Kelvin Cross Sections

79-Au-189



3

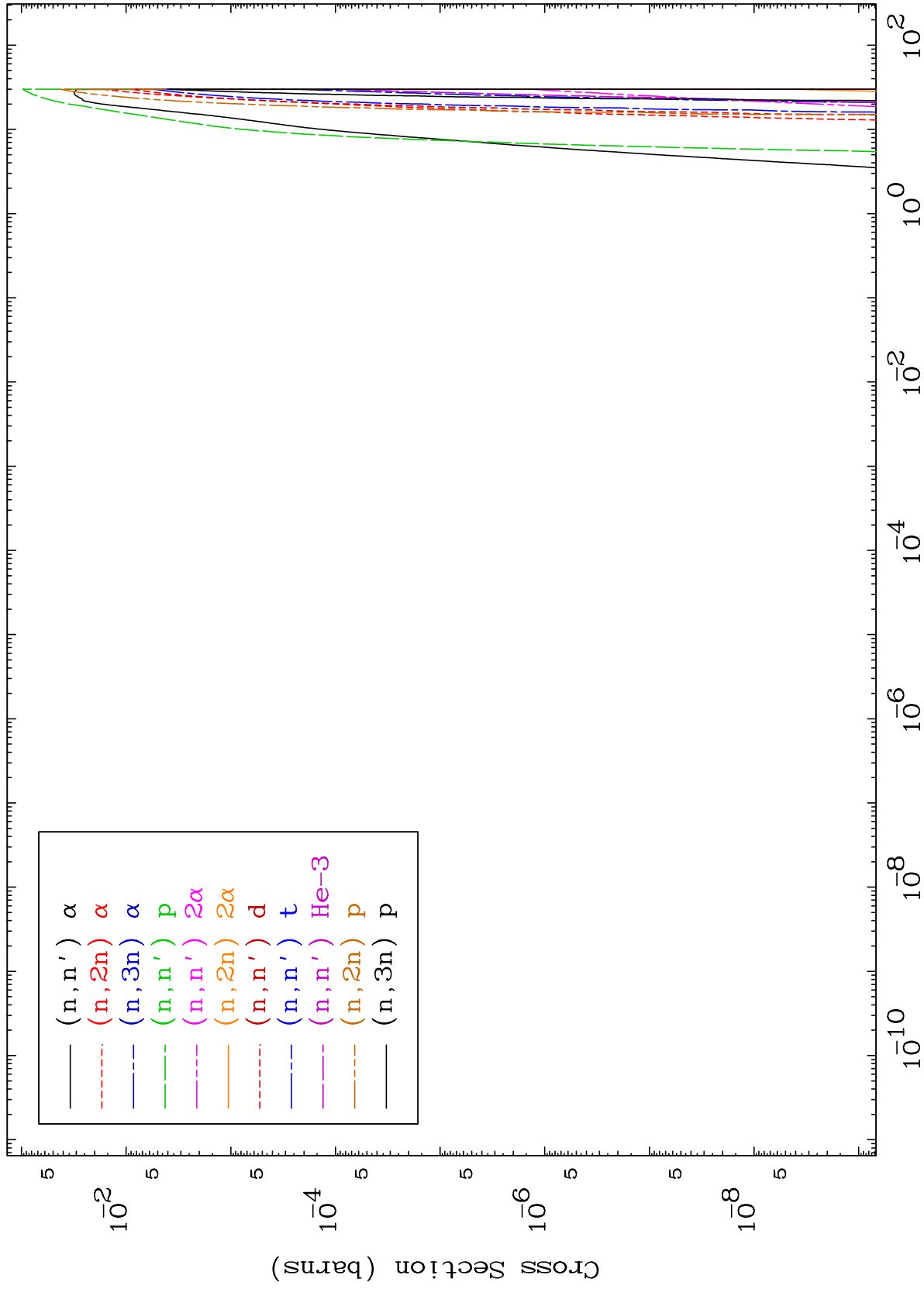
Incident Energy (MeV)

79-Au-189

MAT 7901

Charged Particle
293 Kelvin Cross Sections

79-Au-189



79-Au-189

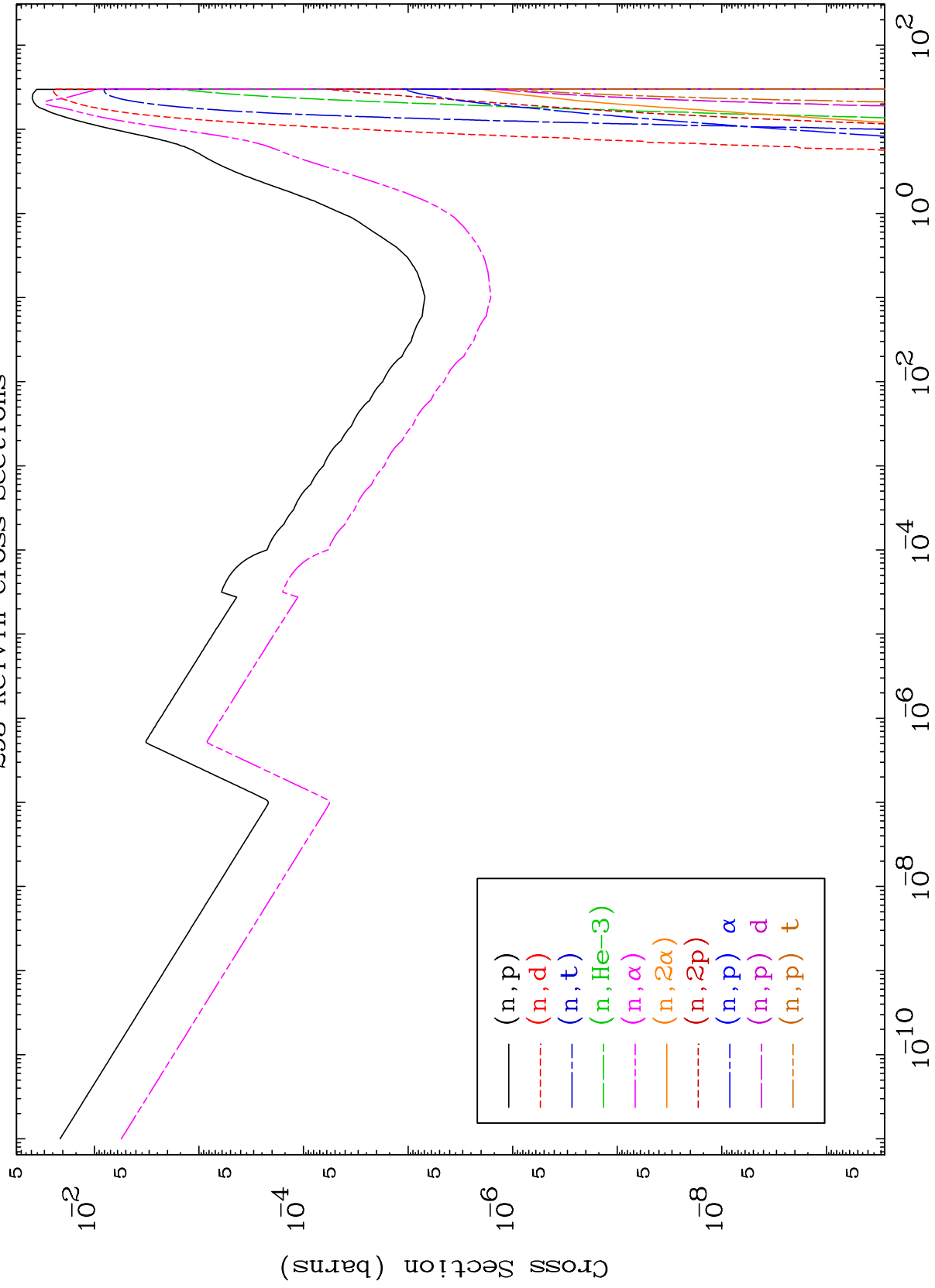
Incident Energy (MeV)

4

MAT 7901

Charged Particle
293 Kelvin Cross Sections

79-Au-189



5

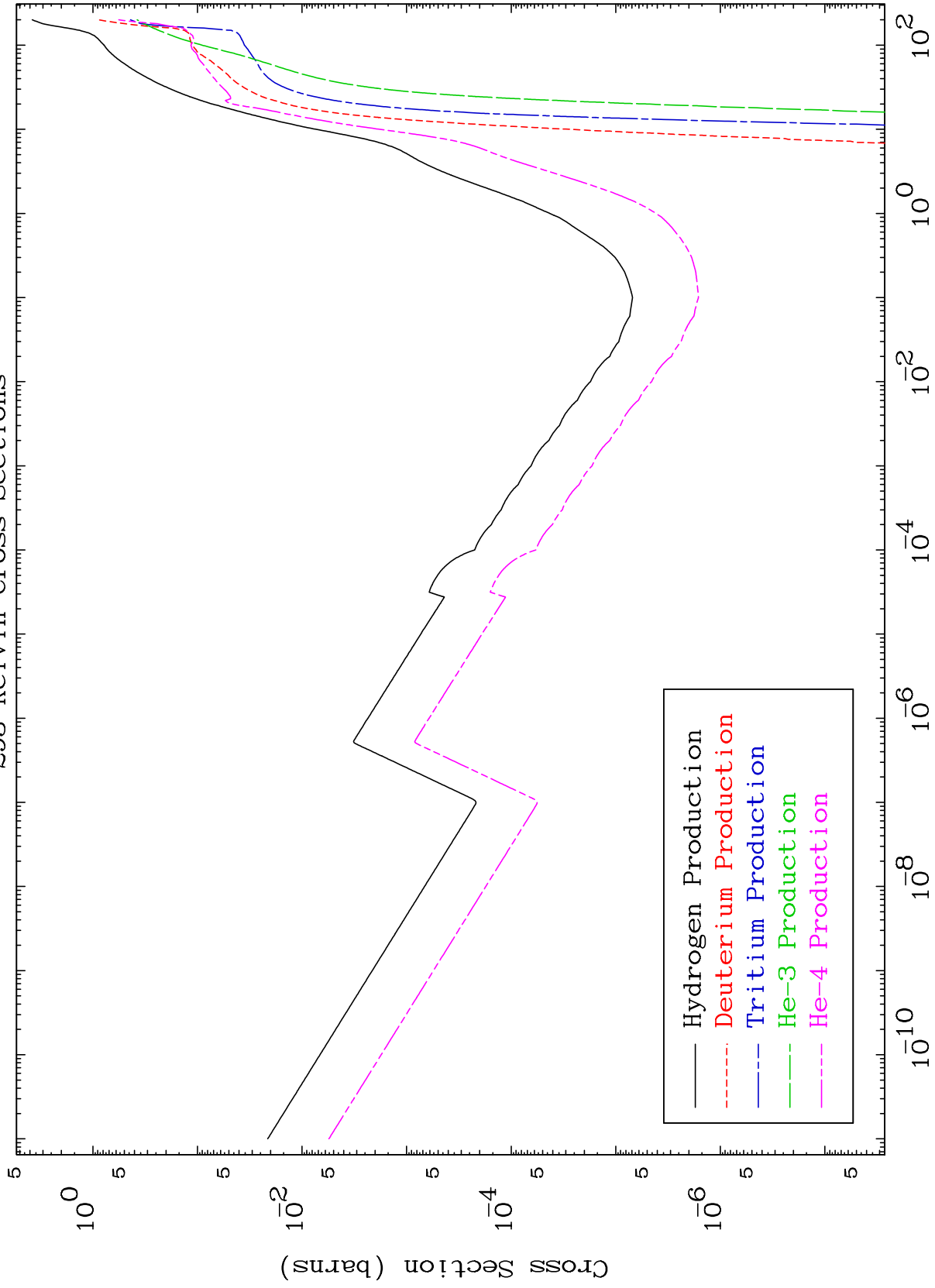
Incident Energy (MeV)

79-Au-189

MAT 7901

Particle Production
293 Kelvin Cross Sections

79-Au-189



6

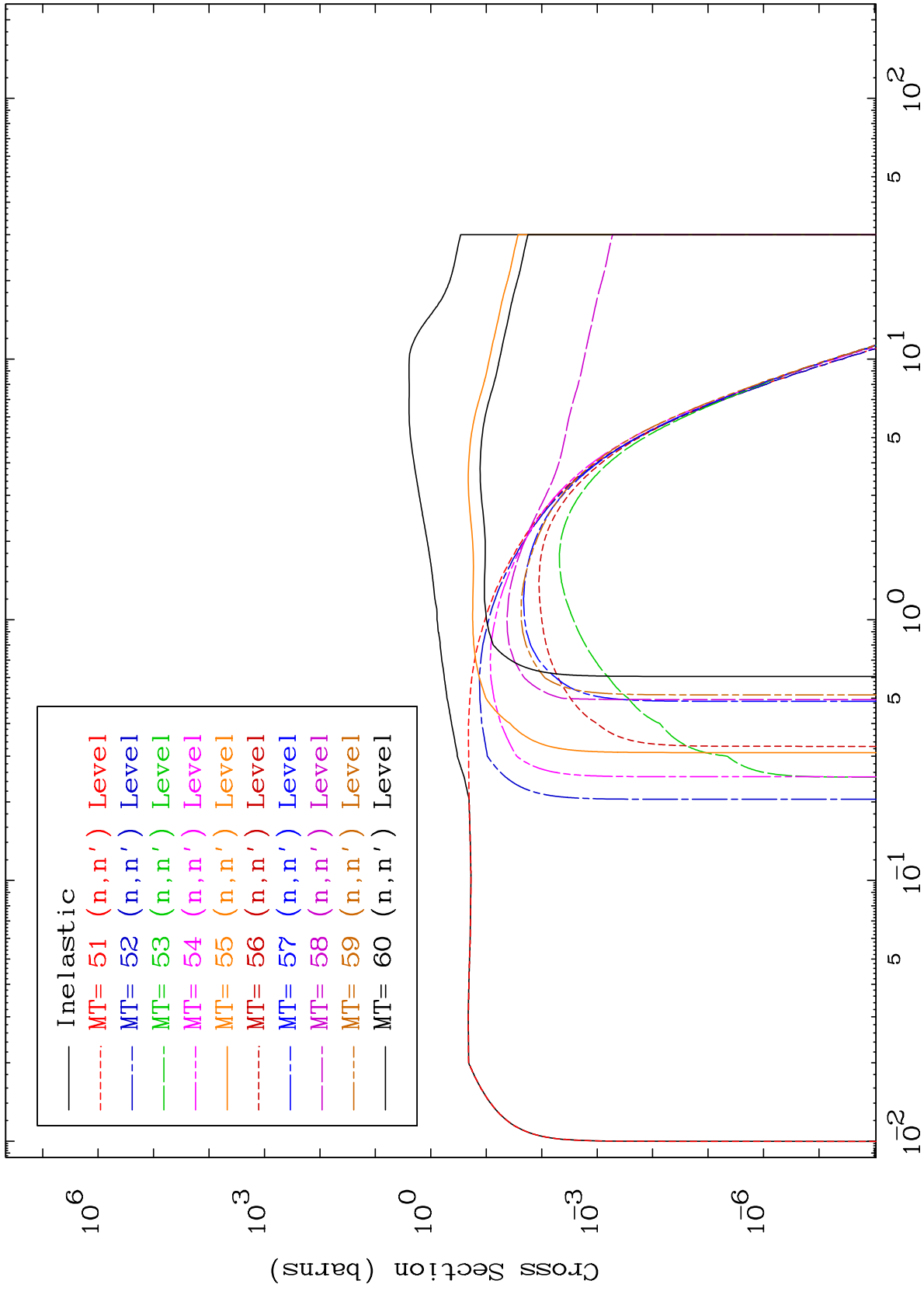
Incident Energy (MeV)

79-Au-189

MAT 7901

(n,n') Level
293 Kelvin Cross Sections

79-Au-189



7

Incident Energy (MeV)

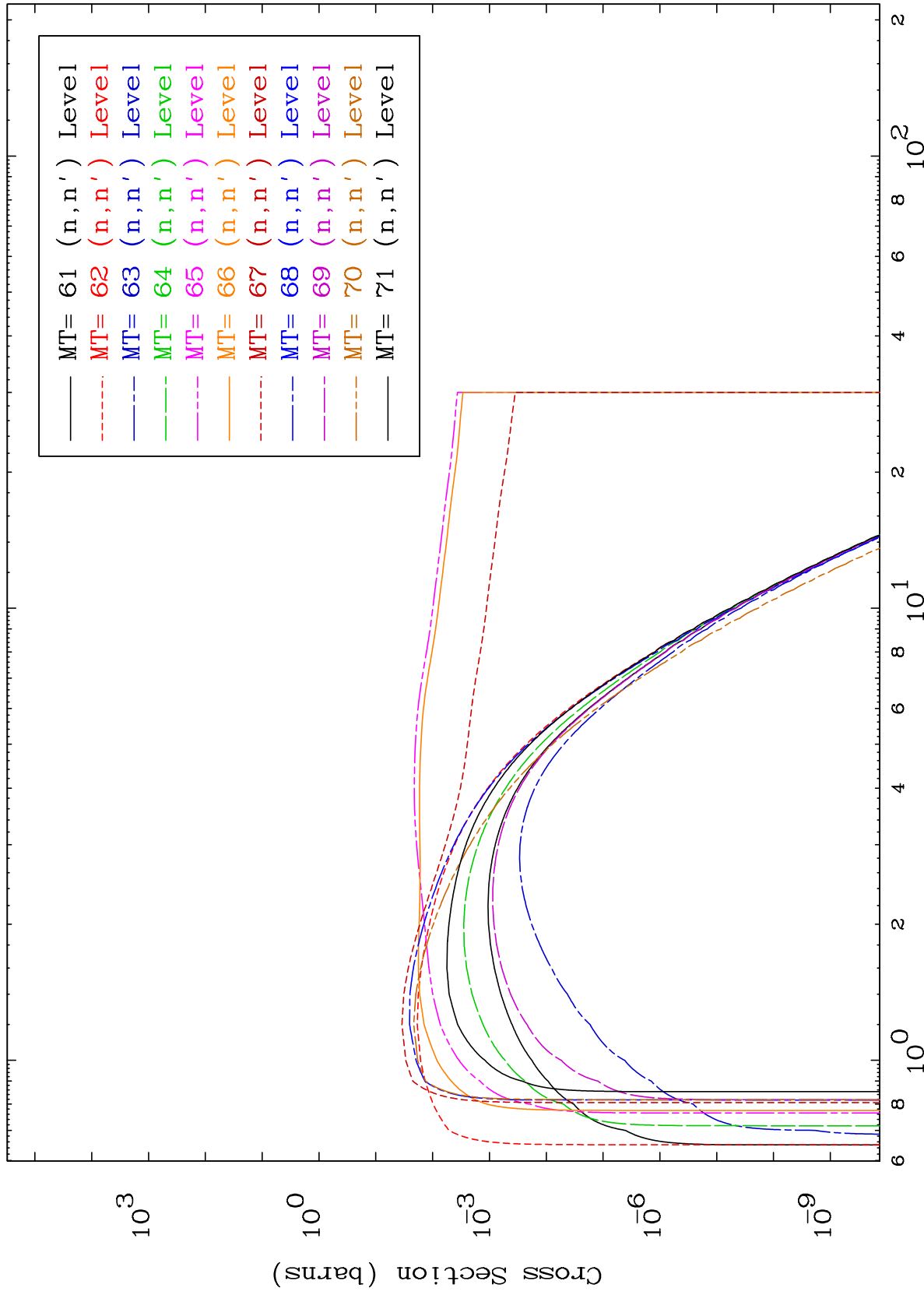
79-Au-189

MAT 7901

(n,n') Level

79-Au-189

293 Kelvin Cross Sections



8

Incident Energy (MeV)

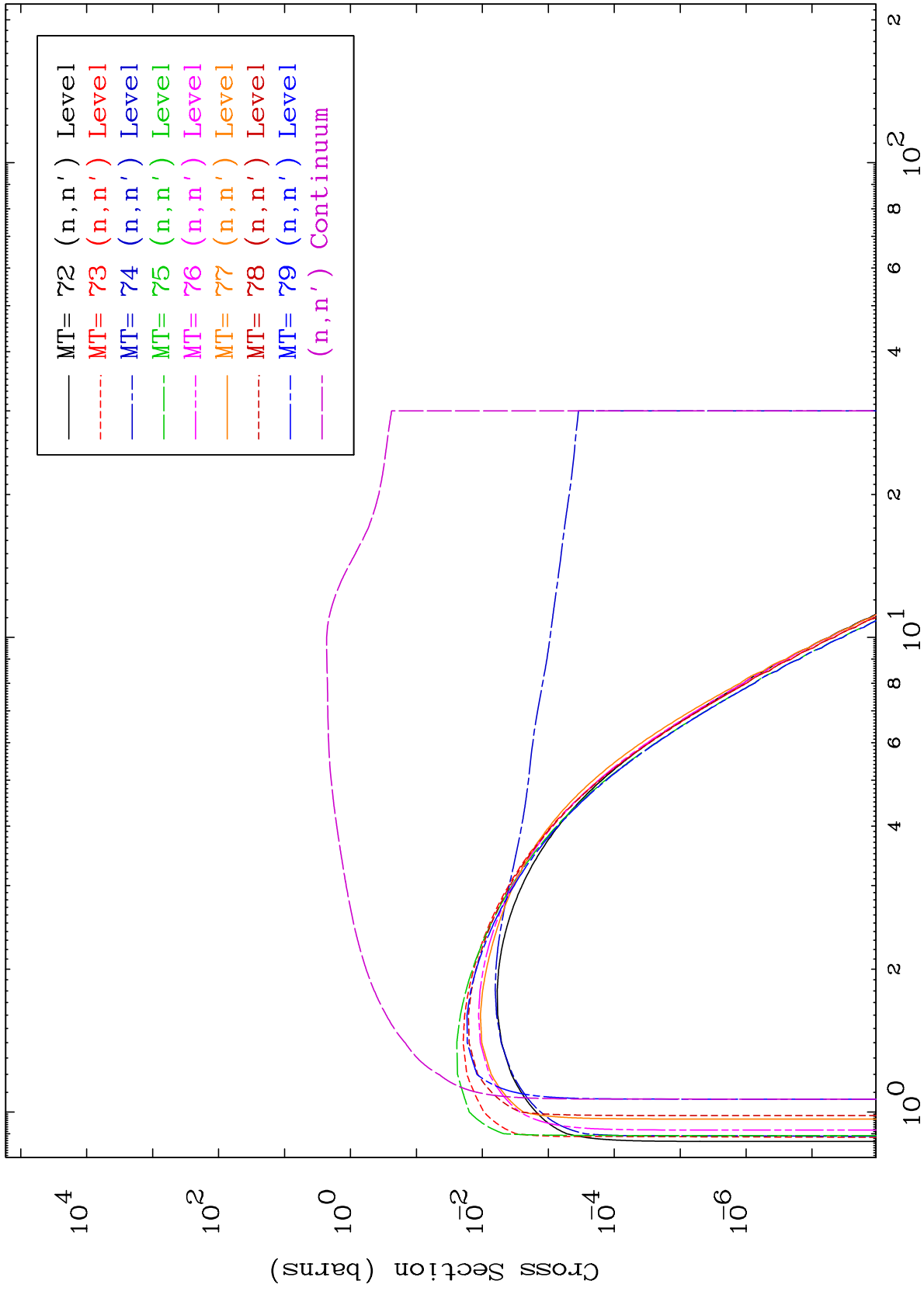
79-Au-189

MAT 7901

(n,n') Level

79-Au-189

293 Kelvin Cross Sections



9

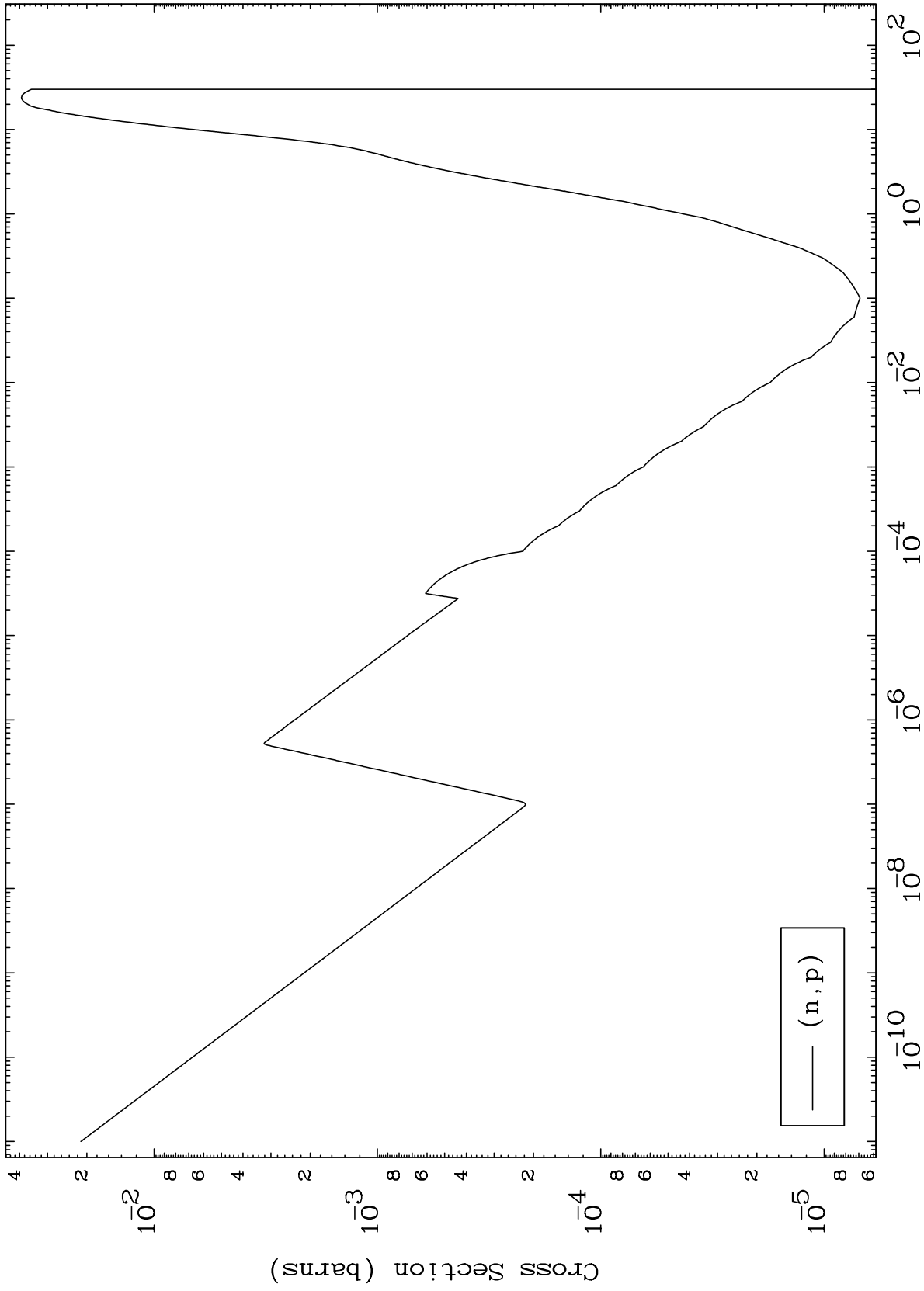
Incident Energy (MeV)

79-Au-189

MAT 7901

(n,p) Levels
293 Kelvin Cross Sections

79-Au-189



10

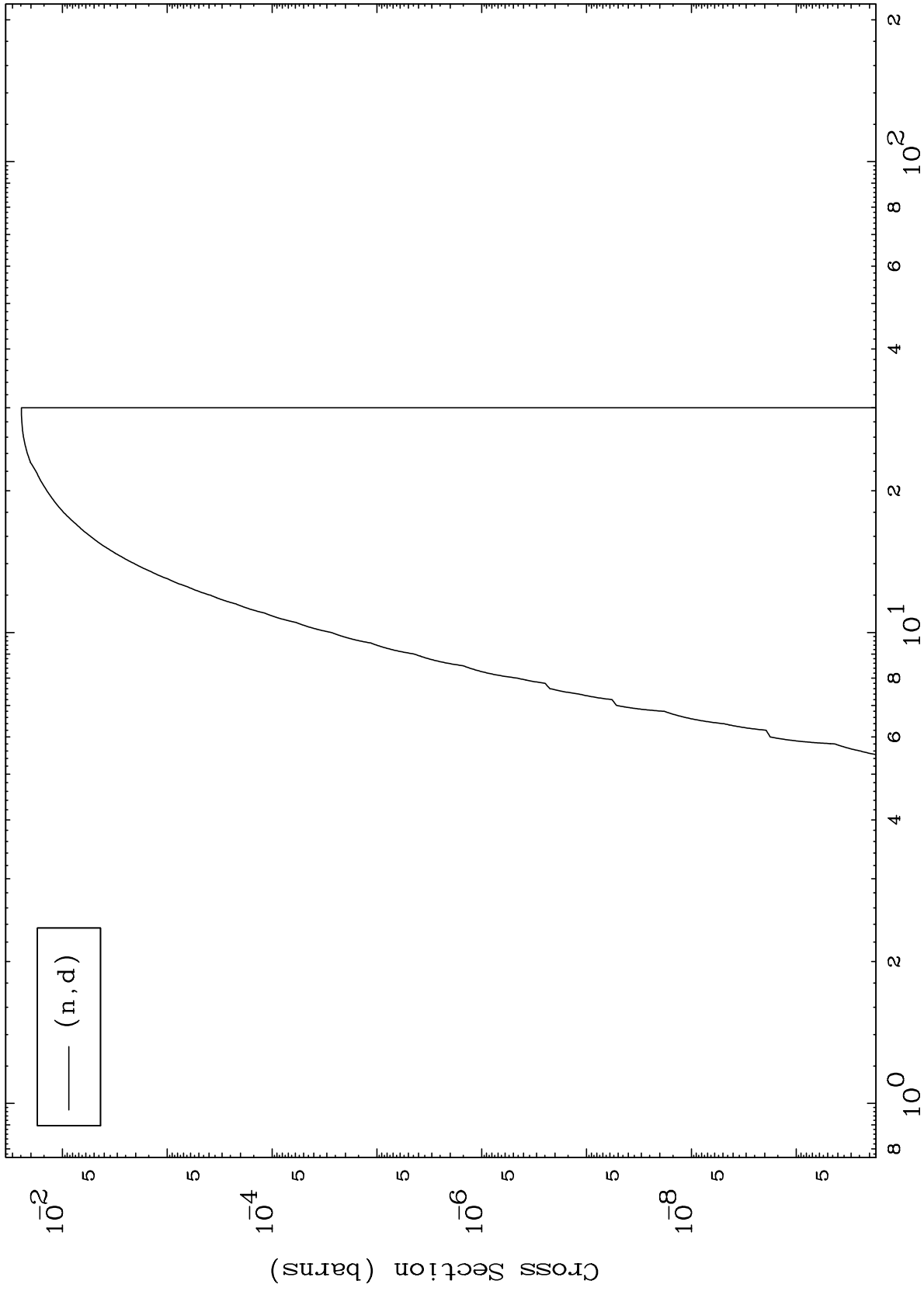
Incident Energy (MeV)

79-Au-189

MAT 7901

(n,d) Levels
293 Kelvin Cross Sections

79-Au-189



11

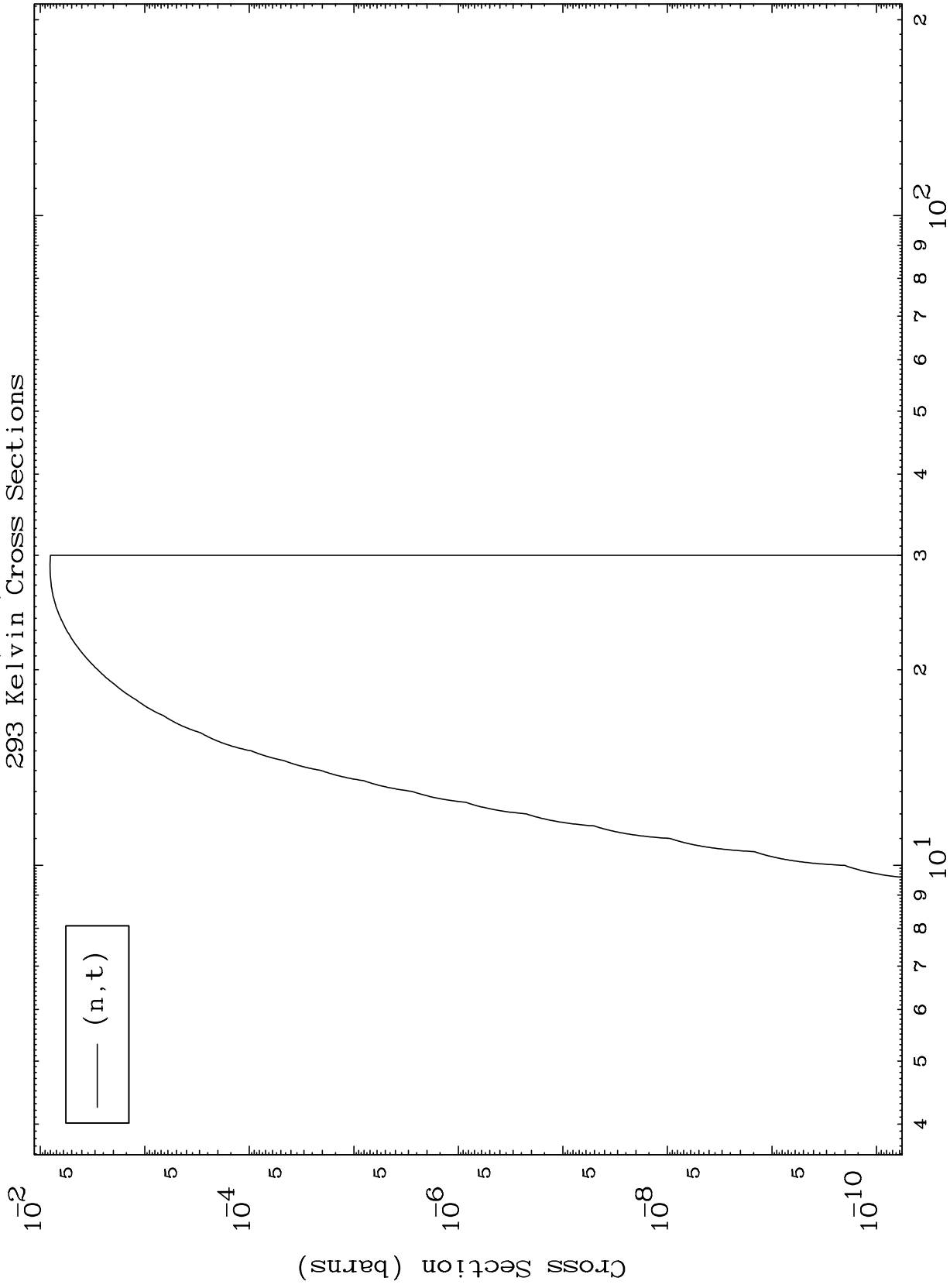
Incident Energy (MeV)

79-Au-189

MAT 7901

(n,t) Levels
293 Kelvin Cross Sections

79-Au-189



12

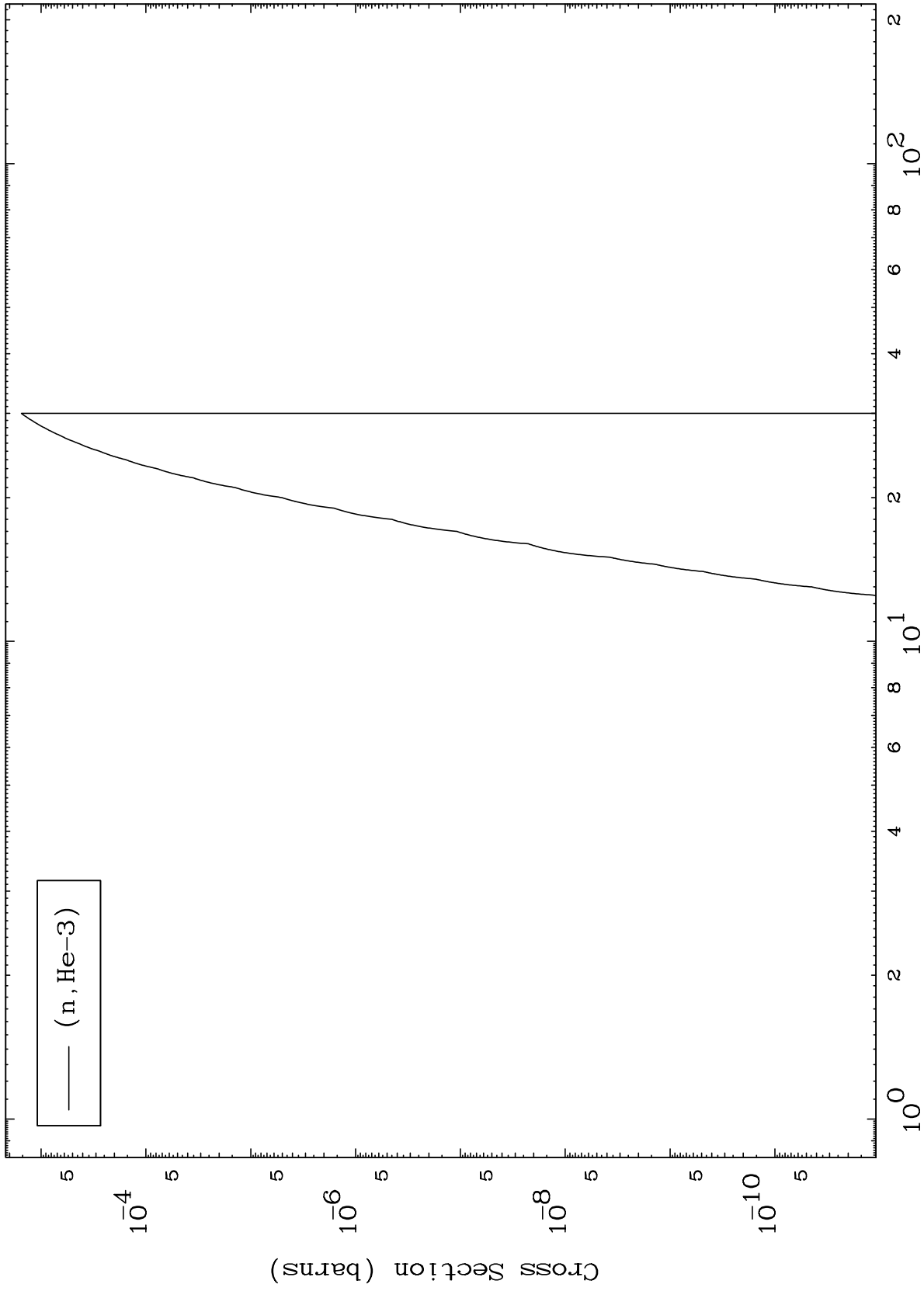
Incident Energy (MeV)

79-Au-189

MAT 7901

(n,He3) Levels
293 Kelvin Cross Sections

79-Au-189



(n, He-3)

13

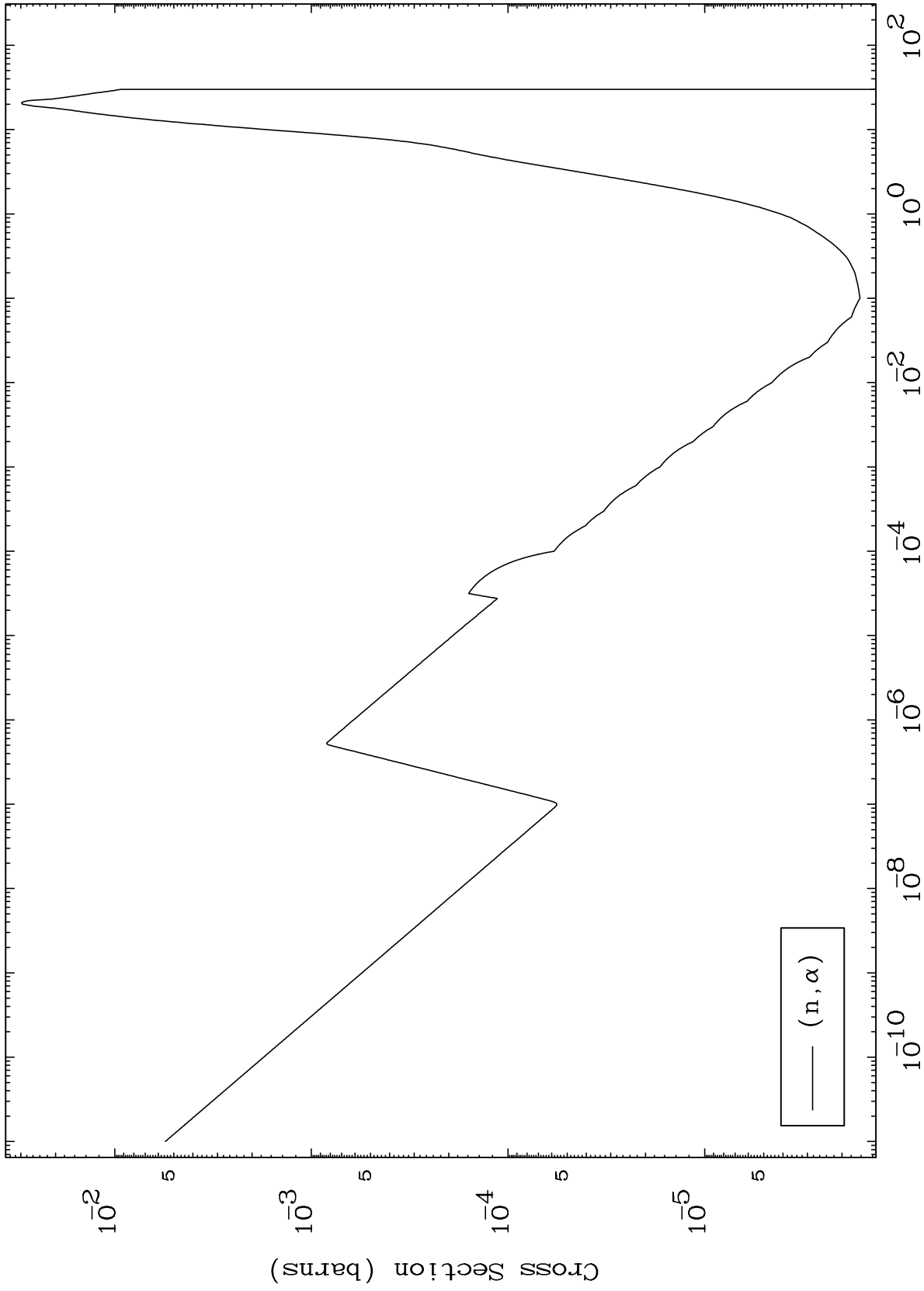
Incident Energy (MeV)

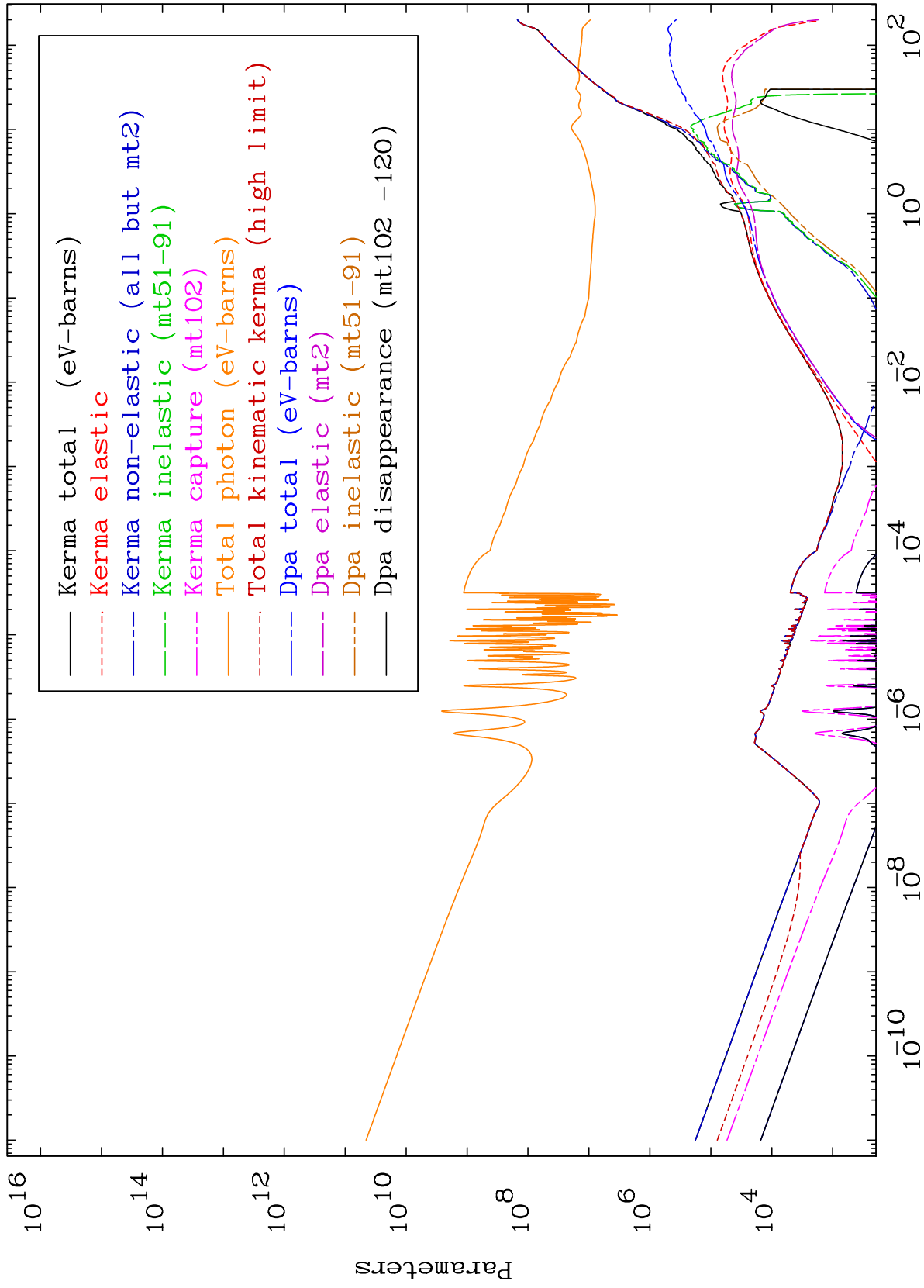
79-Au-189

MAT 7901

(n,α) Levels
293 Kelvin Cross Sections

79-Au-189





MAT 7901

Elastic Legendre Coefficients

⁷⁹Au-¹⁸⁹



16

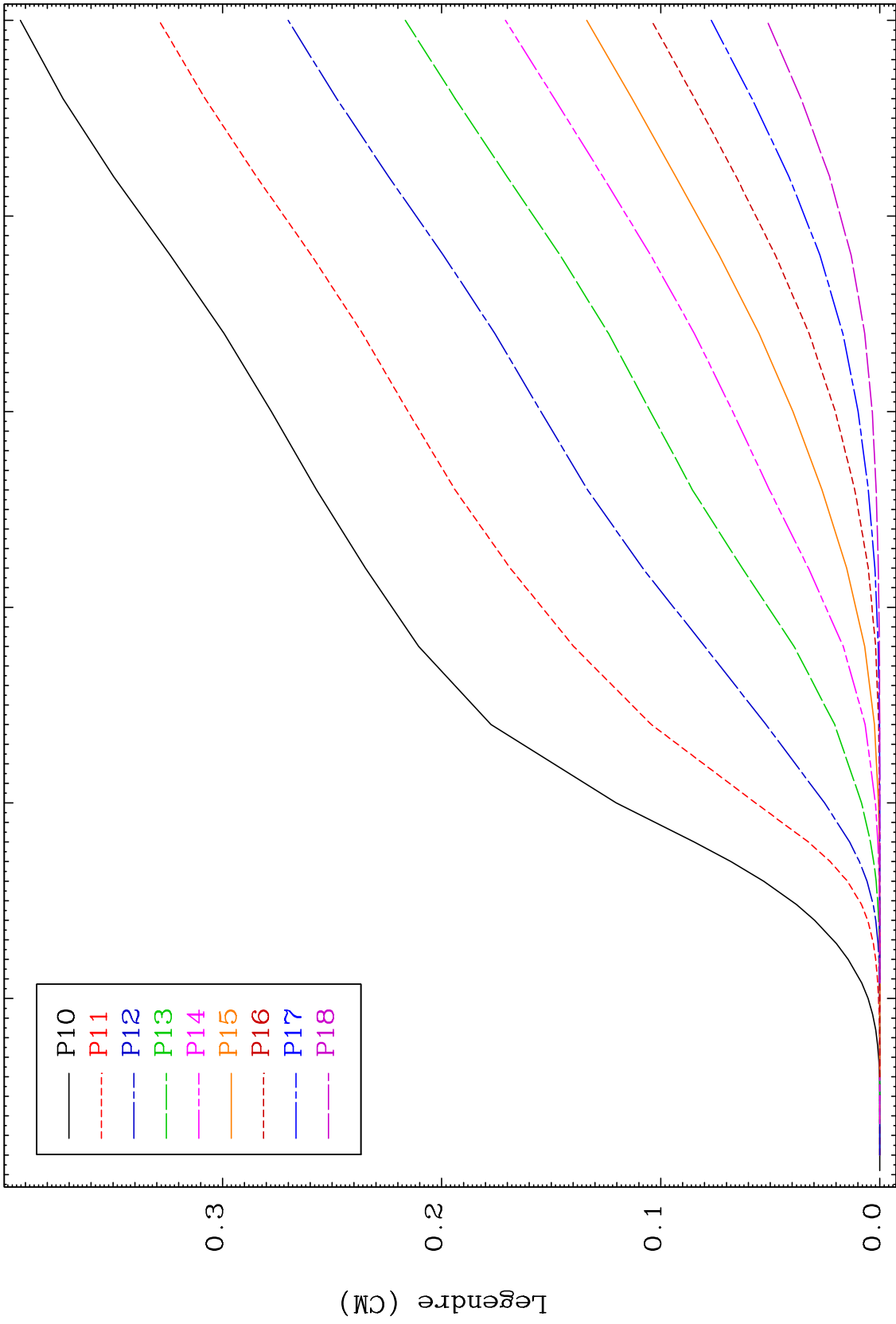
Incident Energy (MeV)

⁷⁹Au-¹⁸⁹

MAT 7901

Elastic Legendre Coefficients

79-Au-189



17

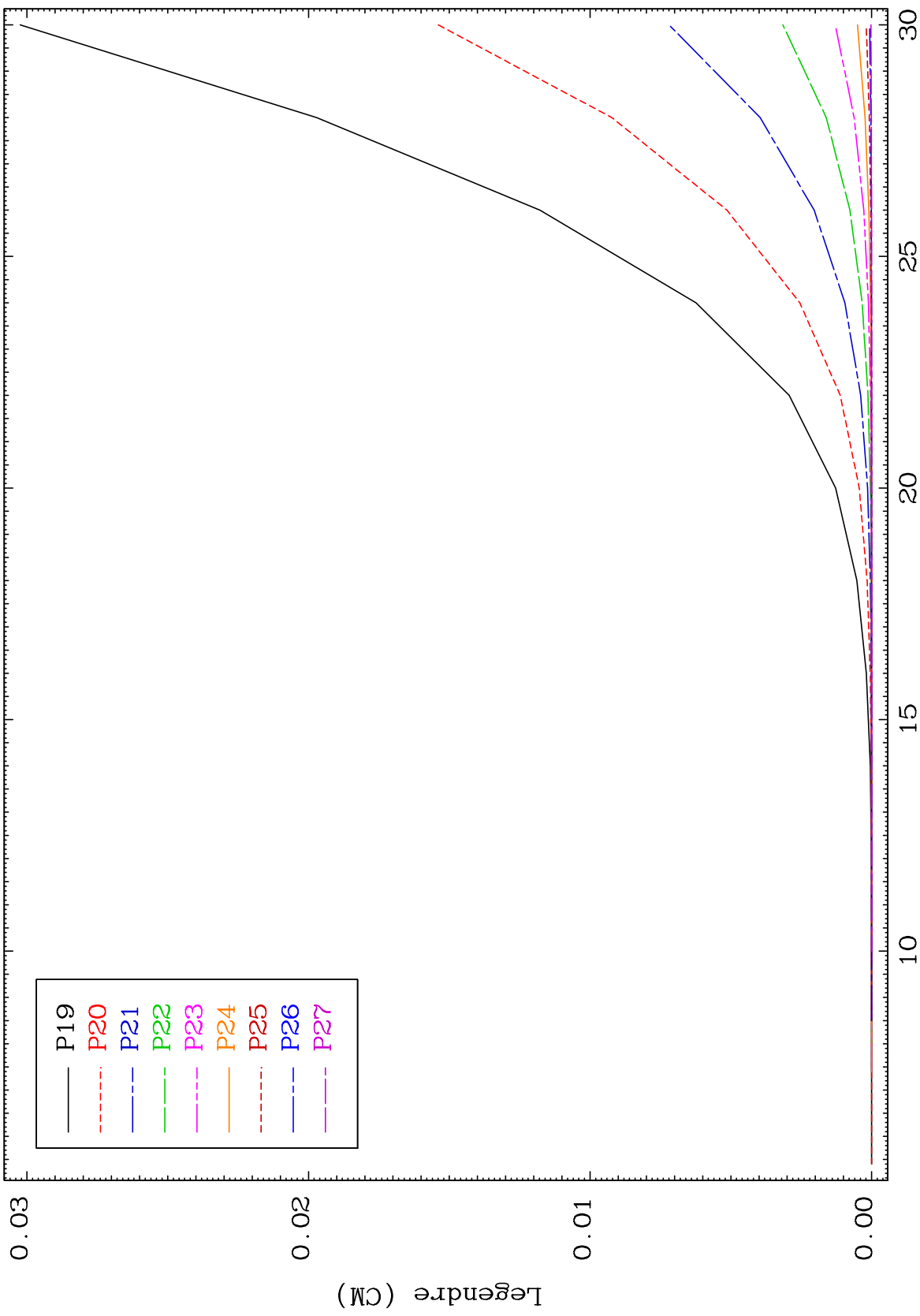
Incident Energy (MeV)

79-Au-189

MAT 7901

Elastic Legendre Coefficients

79-Au-189



18

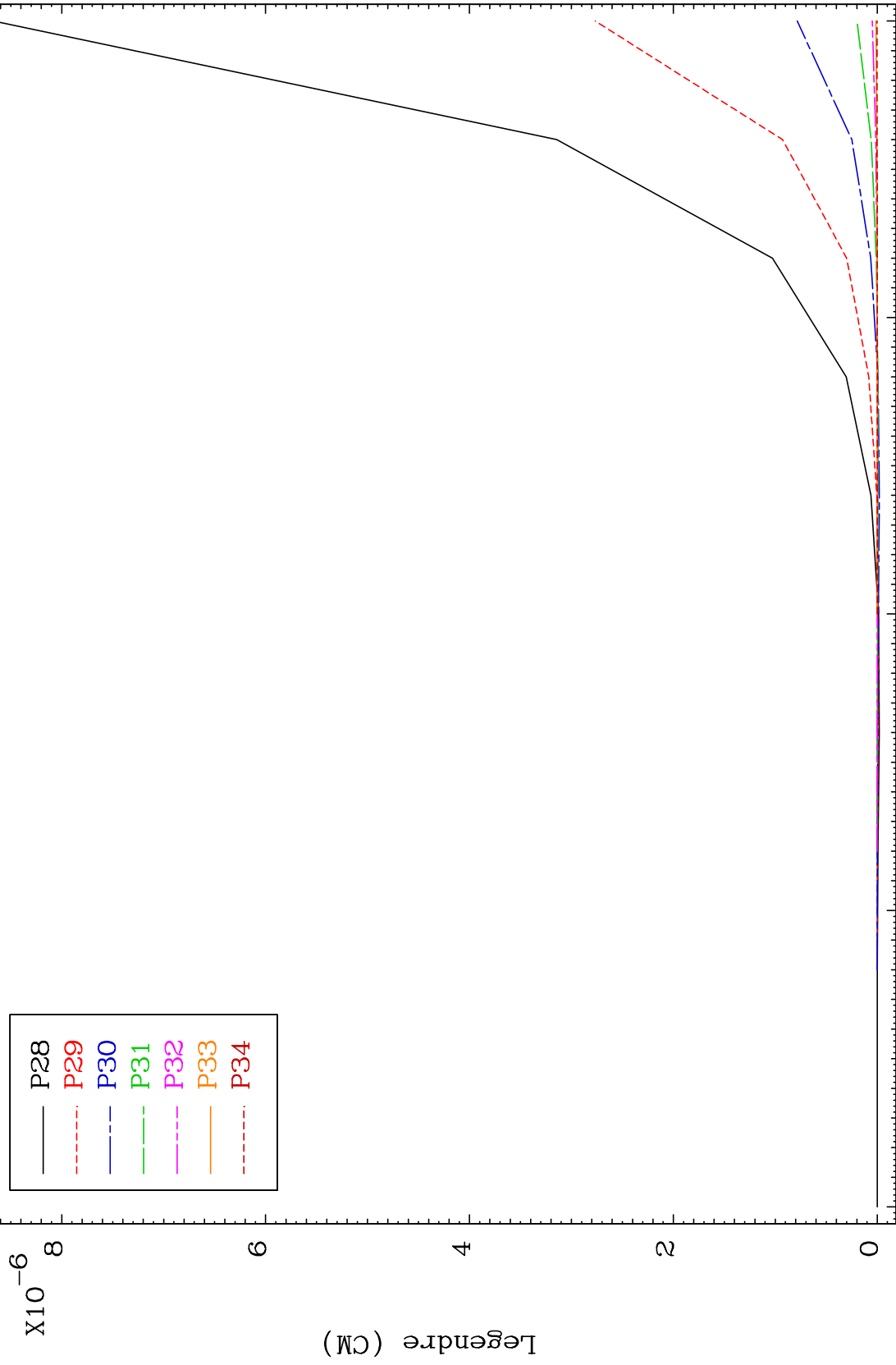
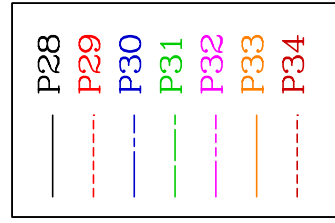
Incident Energy (MeV)

79-Au-189

MAT 7901

Elastic Legendre Coefficients

79-Au-189



19

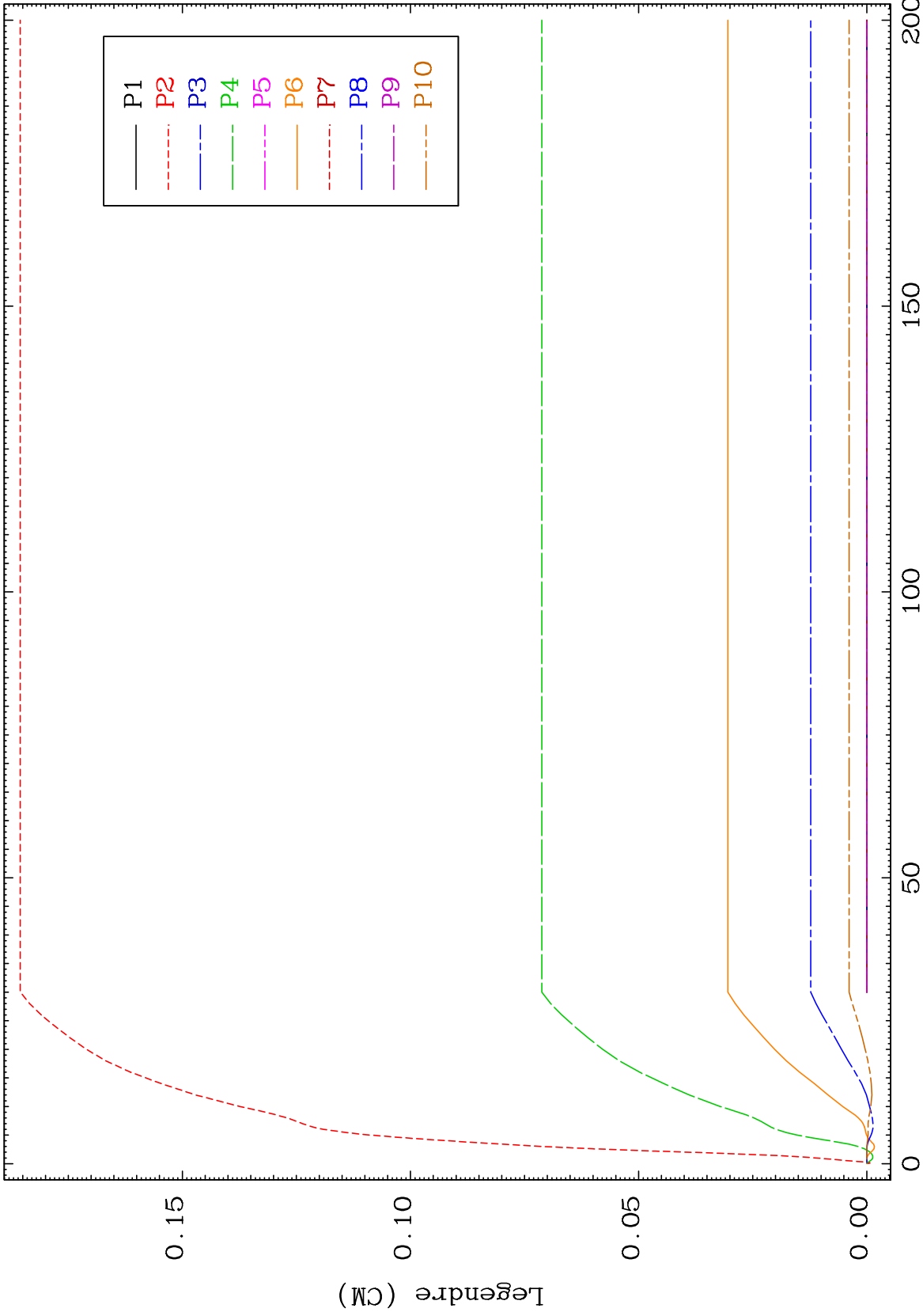
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



79-Au-189

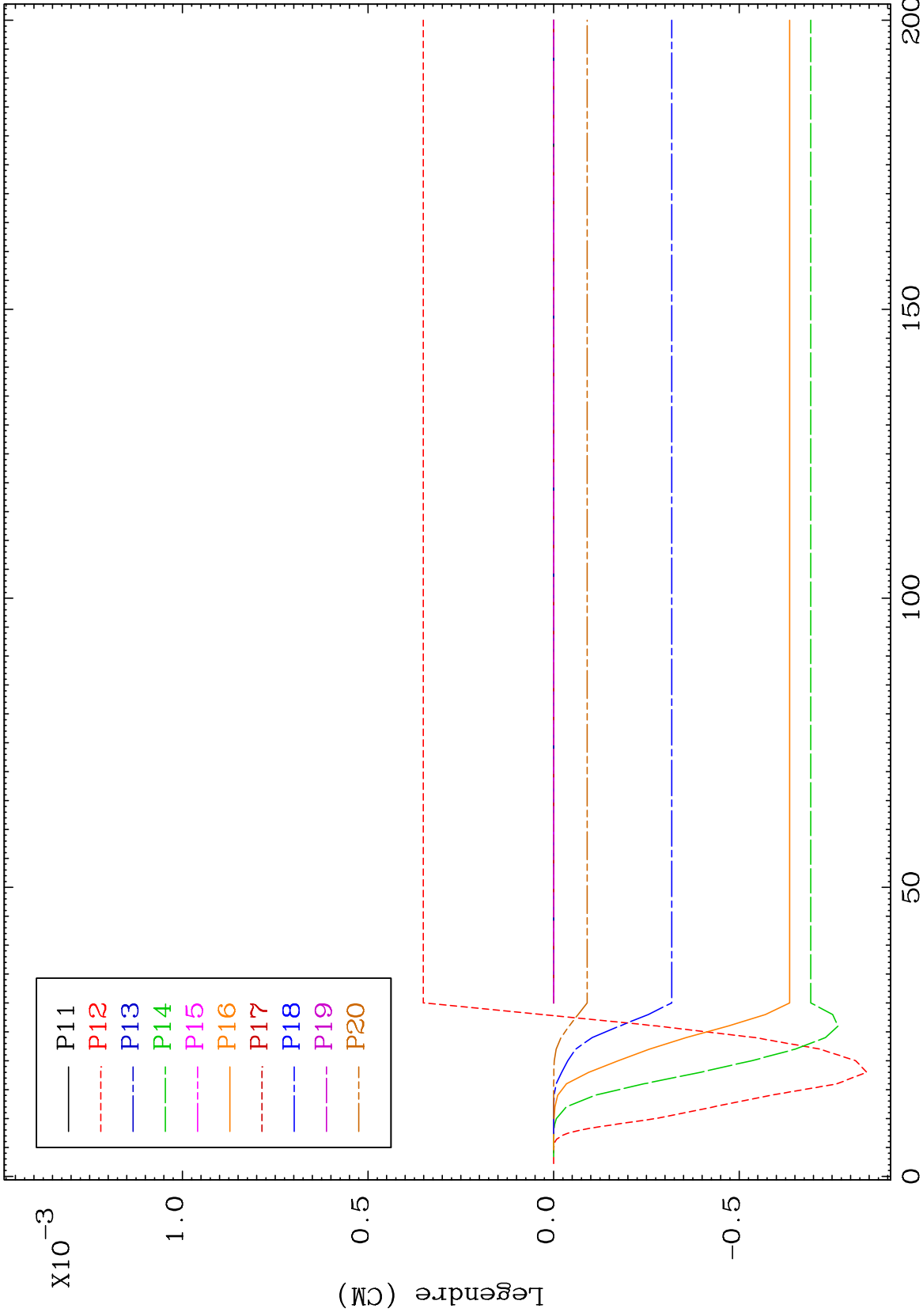
Incident Energy (MeV)

Legendre (CM)

MAT 7901

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

79-Au-189



21

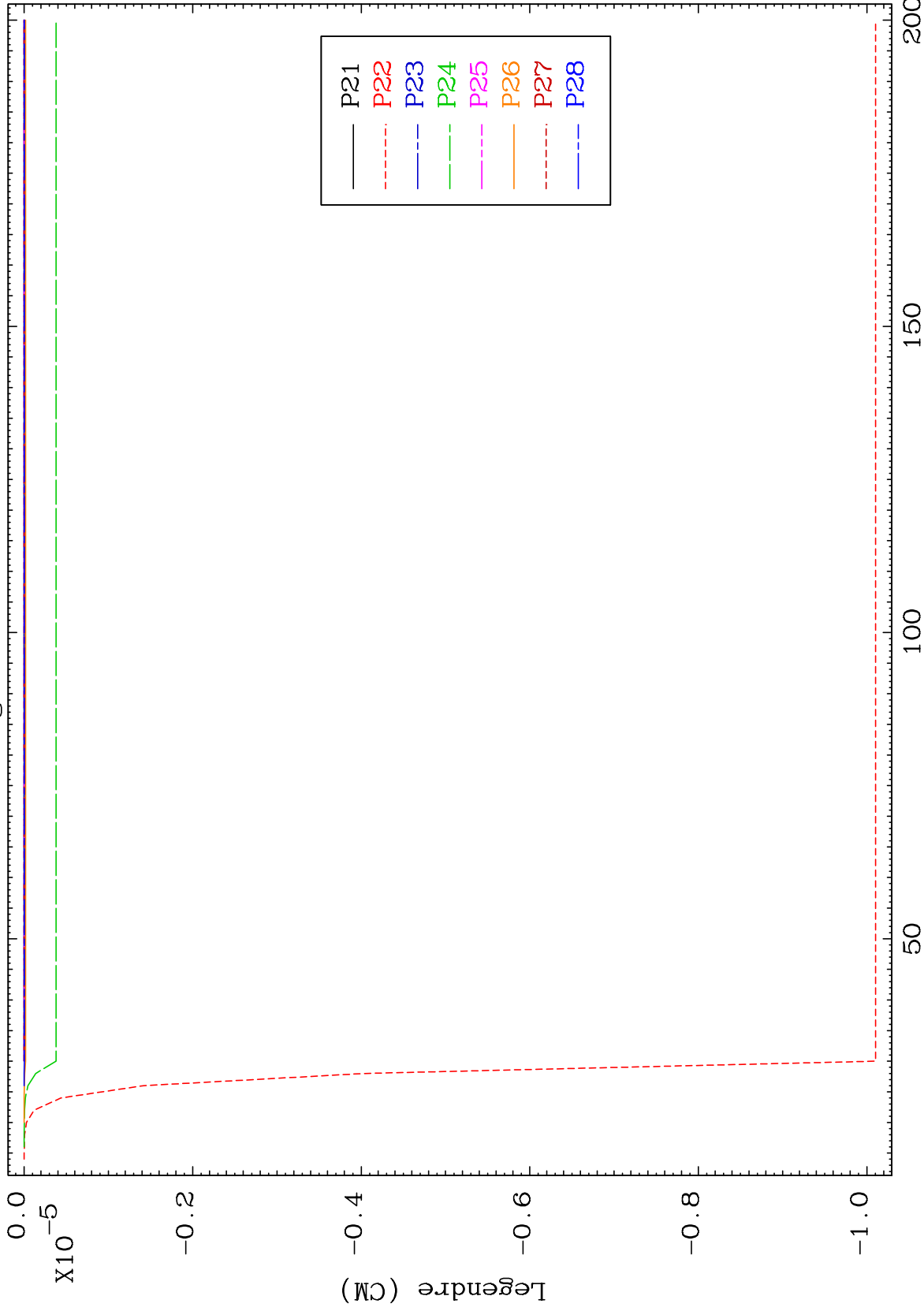
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



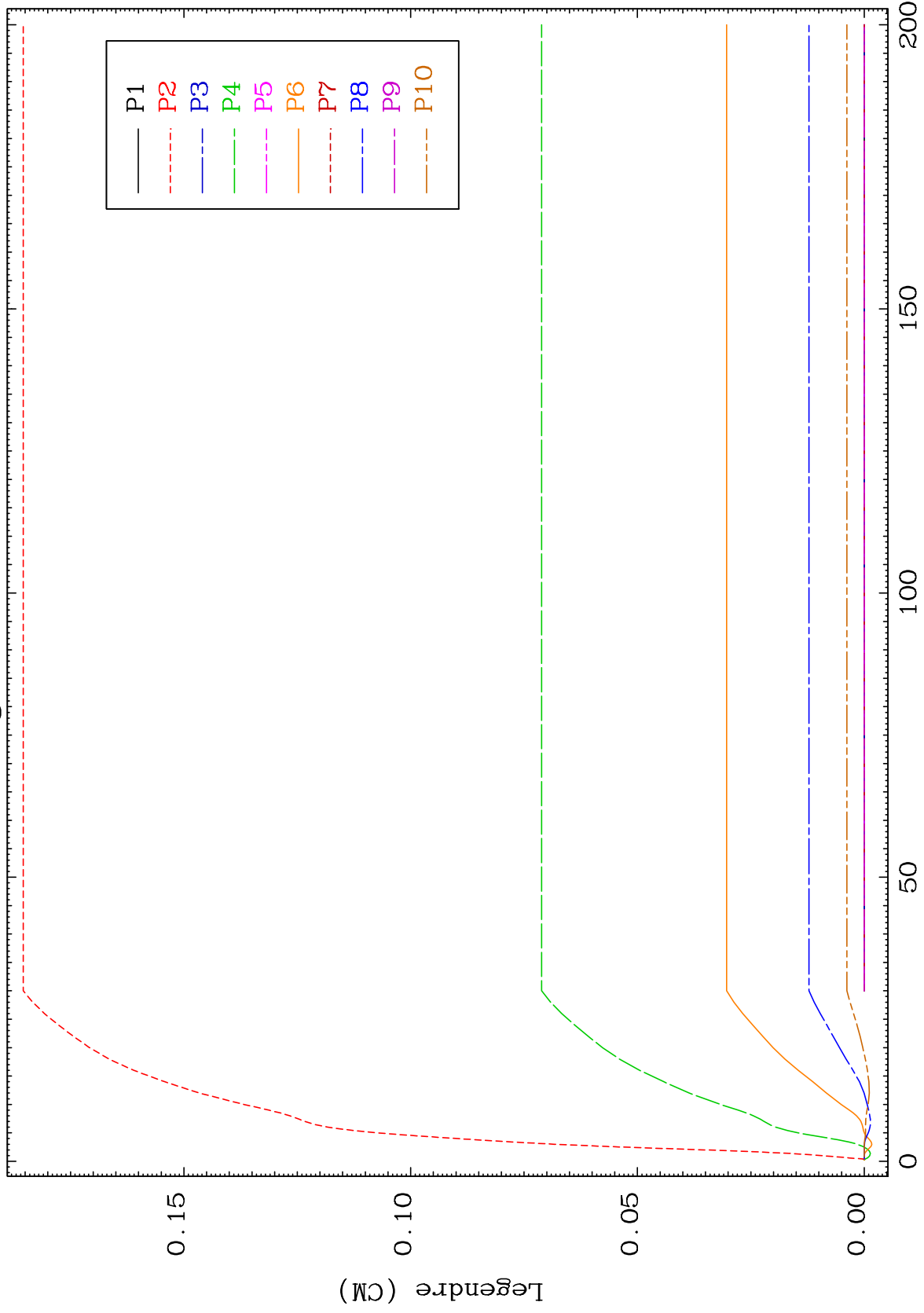
22

79-Au-189

MAT 7901

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

79-Au-189



23

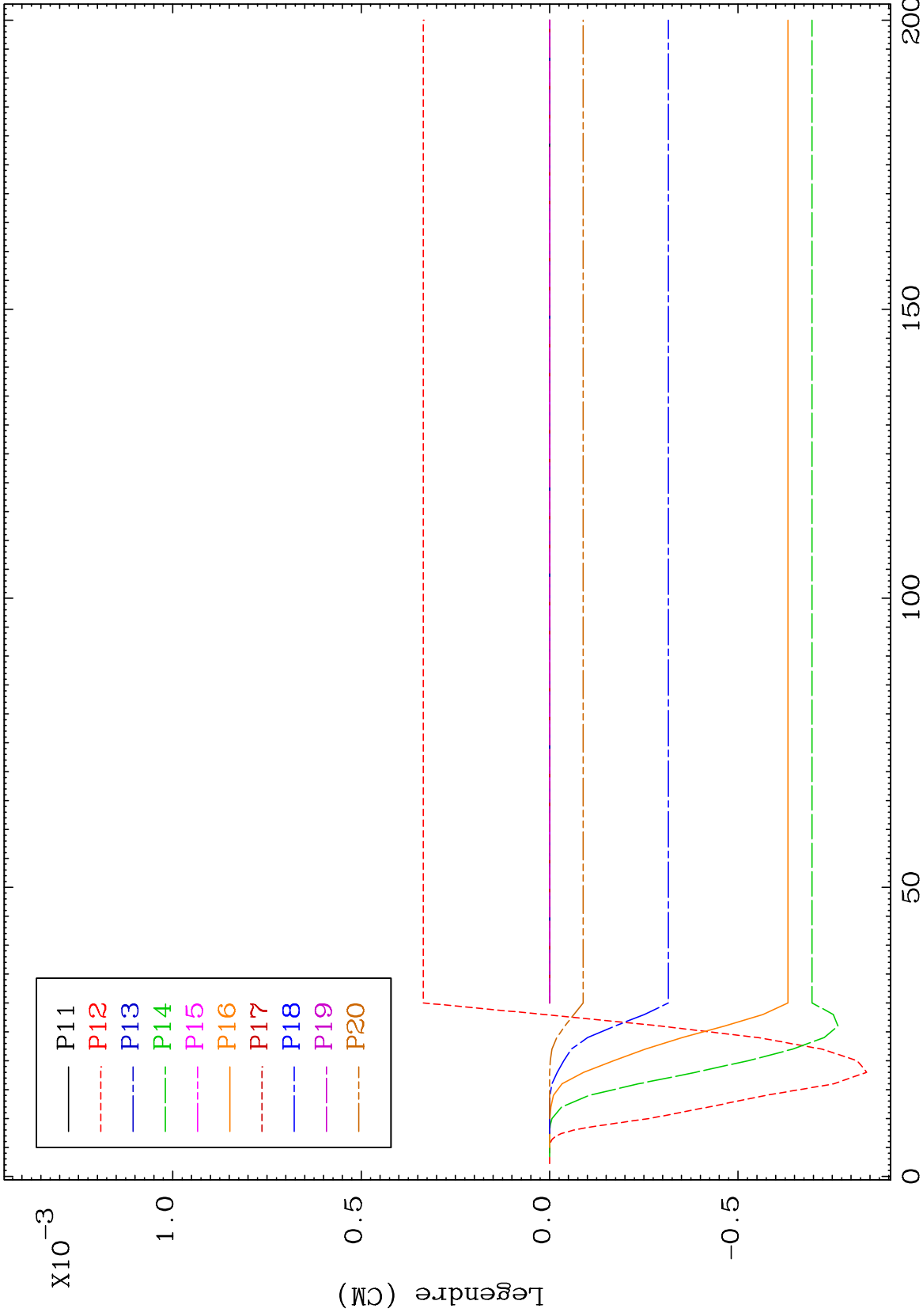
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



24

79-Au-189

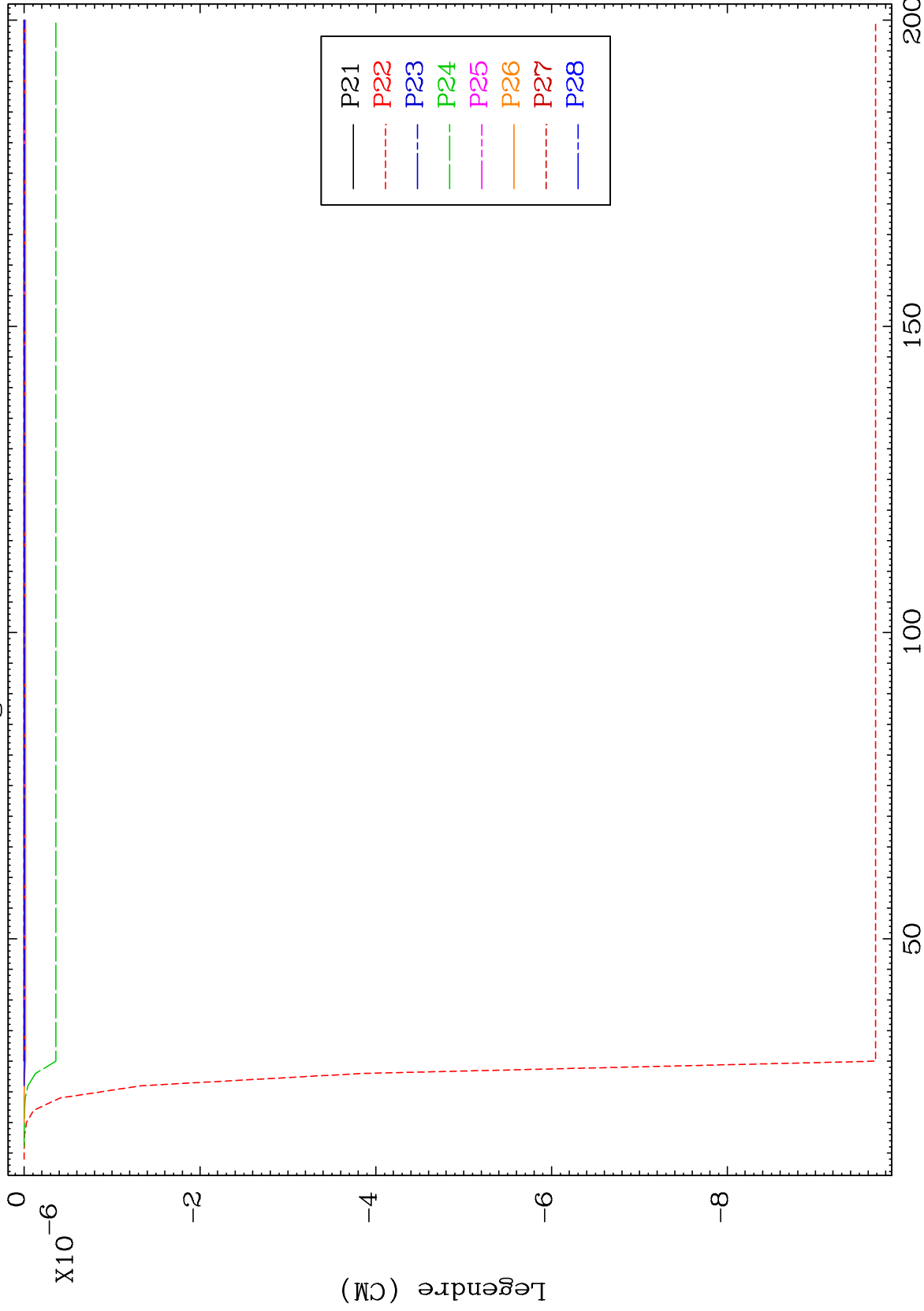
MAT 7901

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

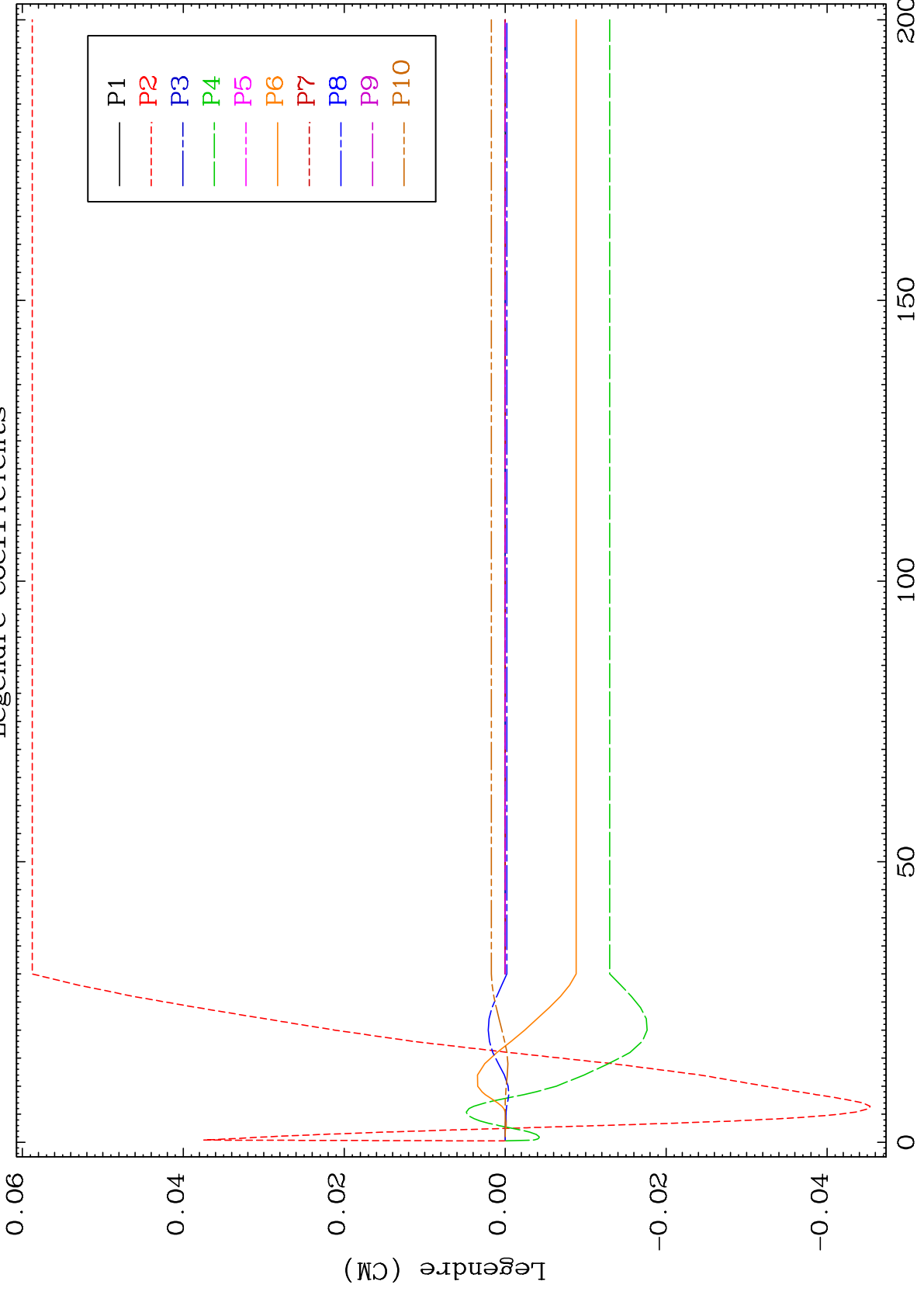
79-Au-189

Incident Energy (MeV)

25



MAT 7901 MT= 53 (n,n') Level Legendre Coefficients 79-Au-189

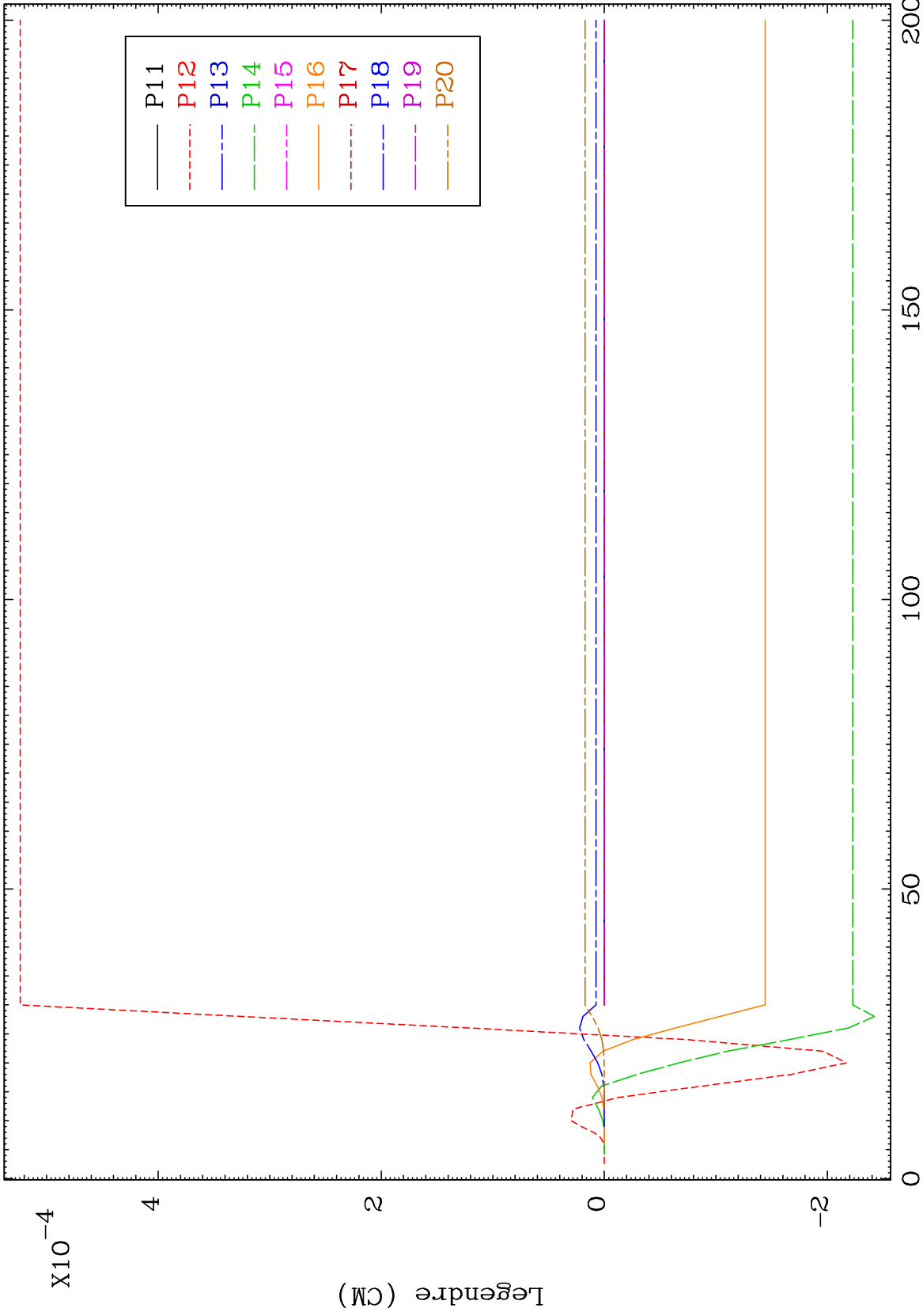


26 79-Au-189

MAT 7901

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

79-Au-189



27

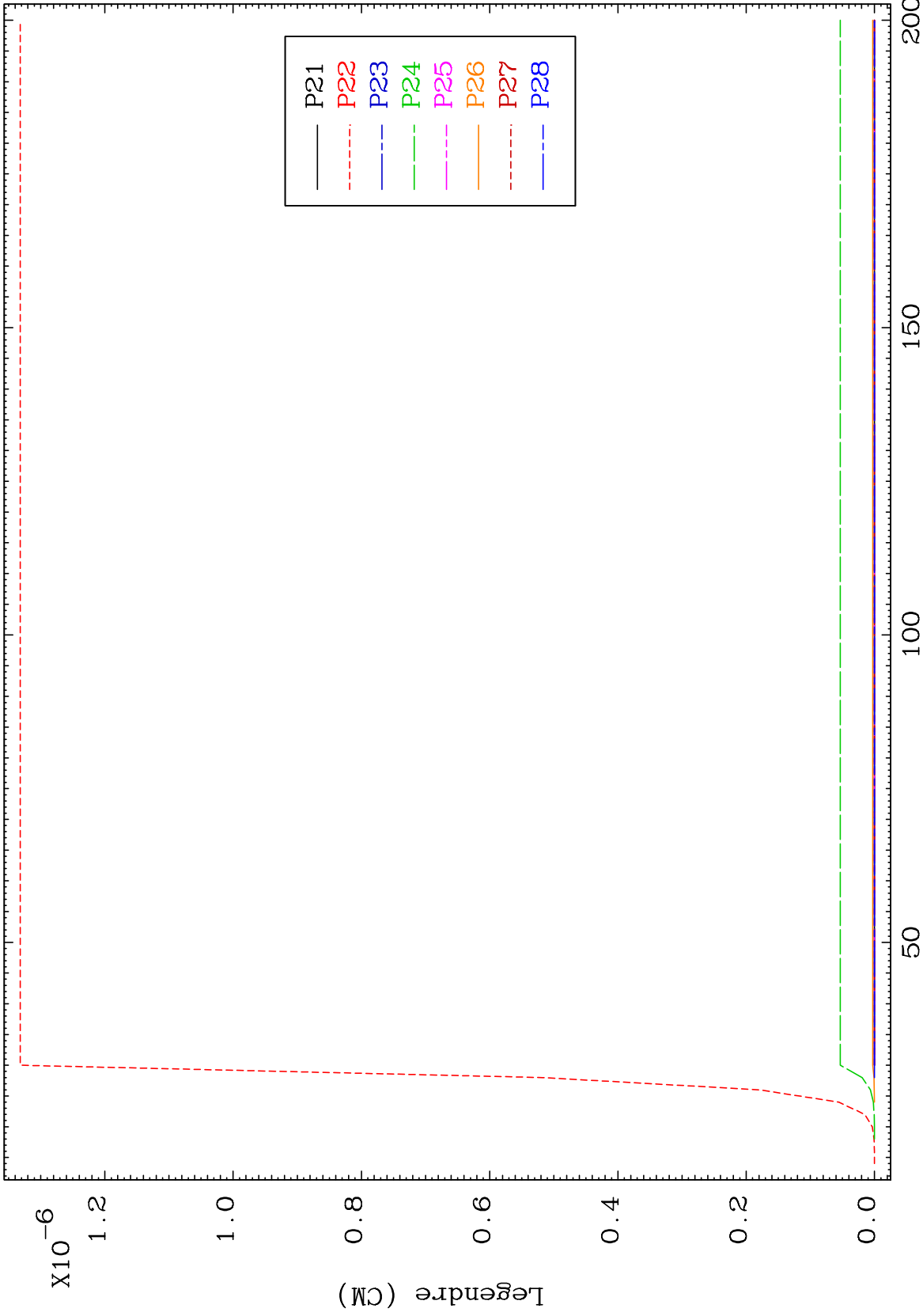
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



28

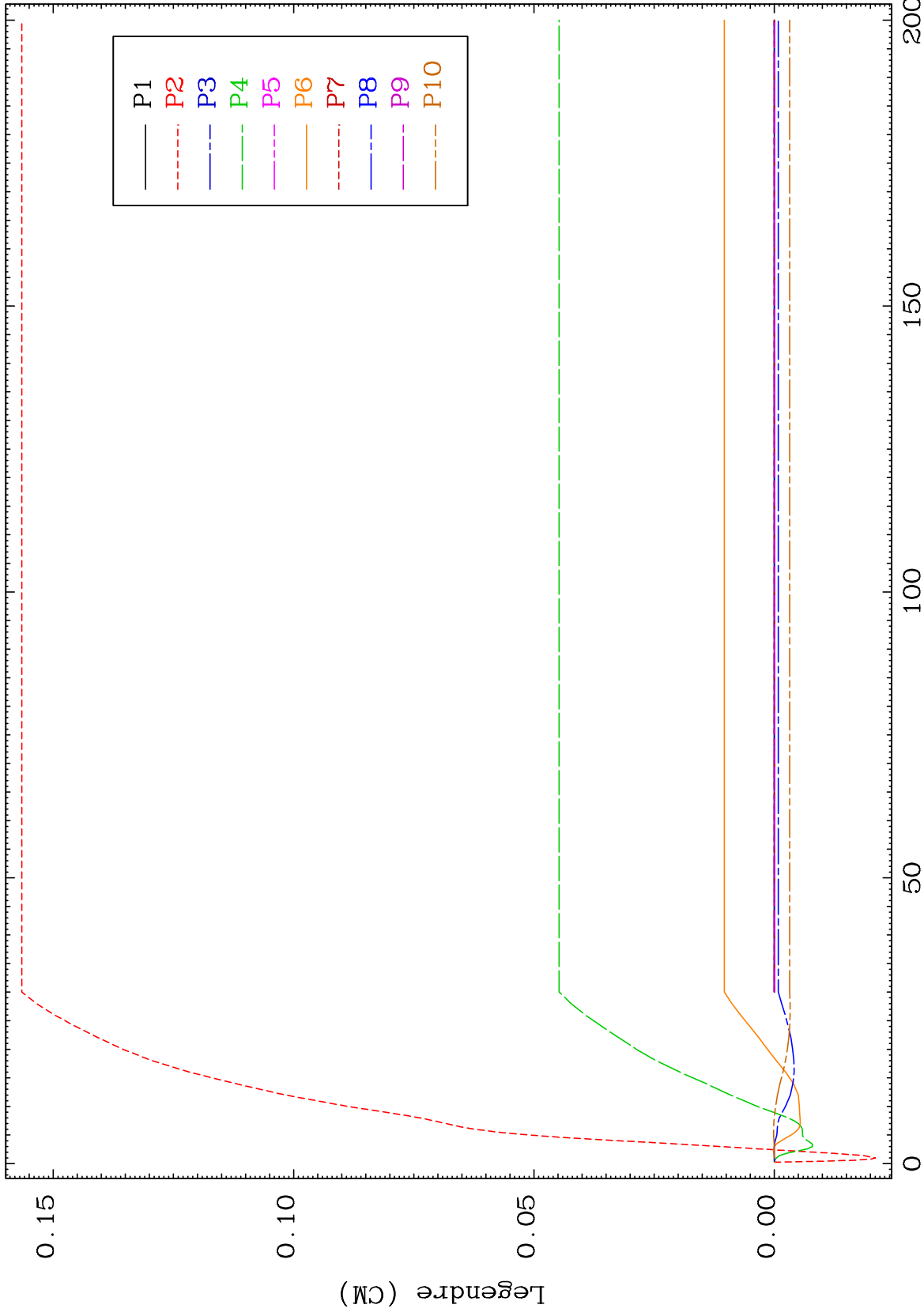
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



29

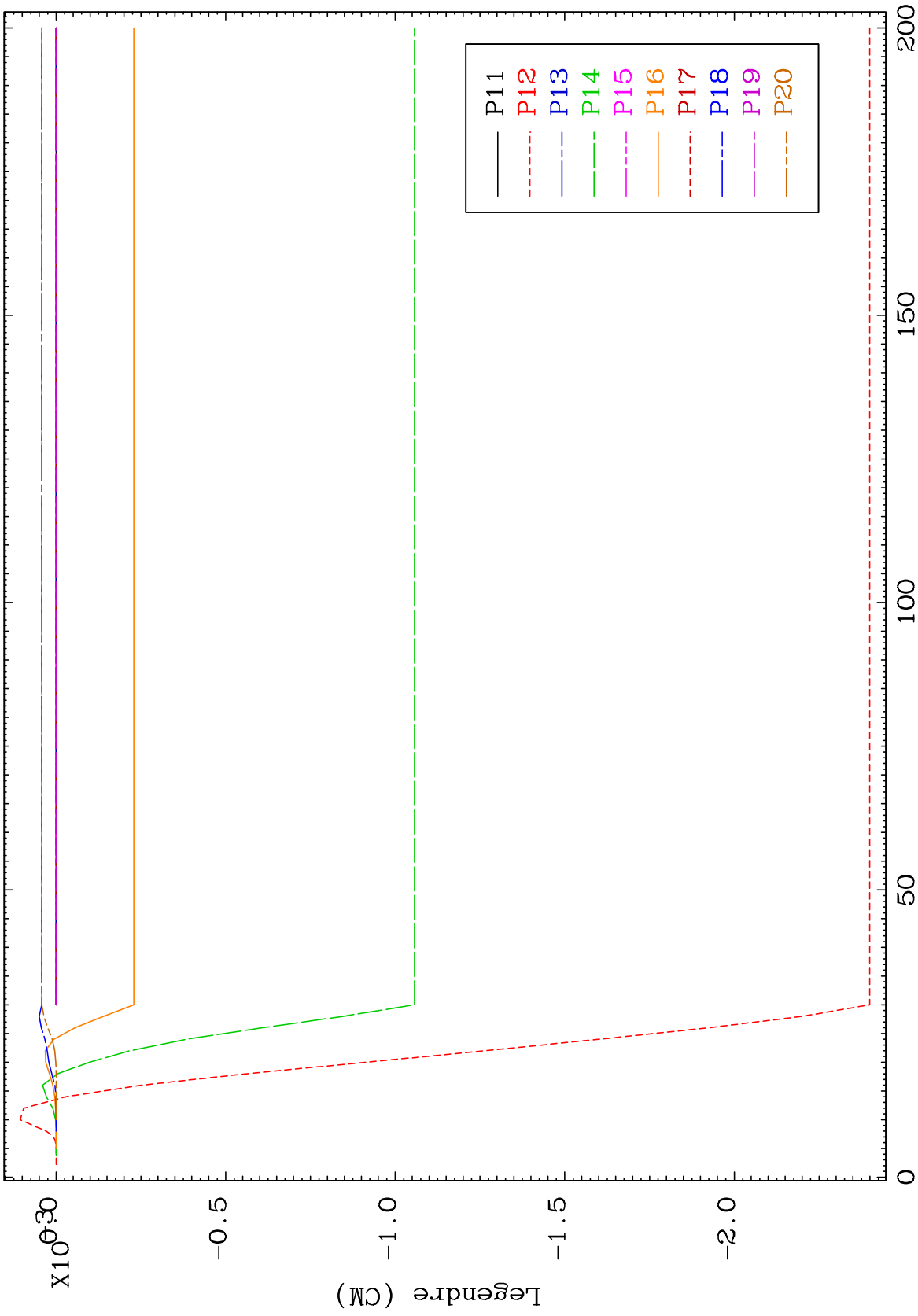
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



30

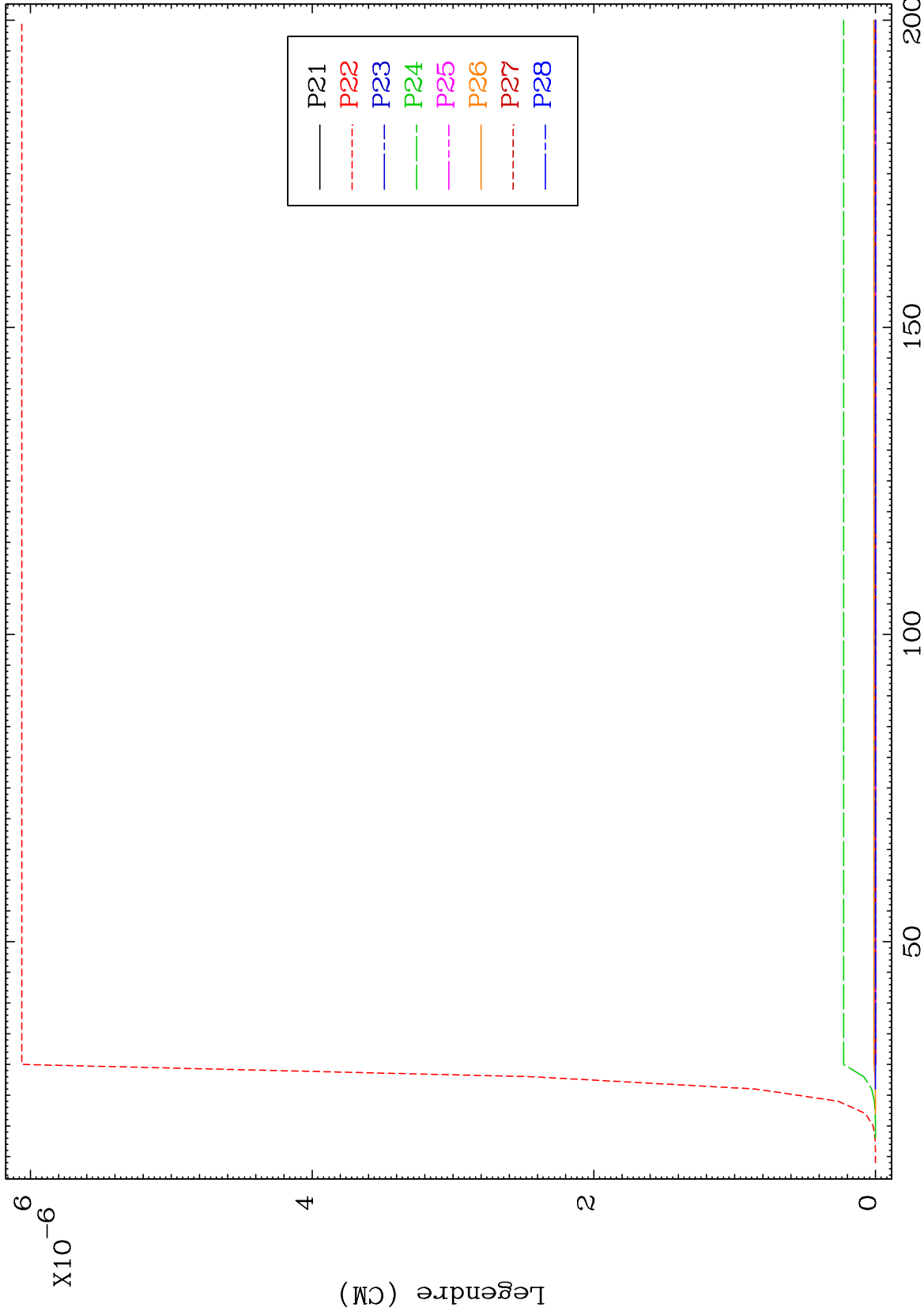
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



31

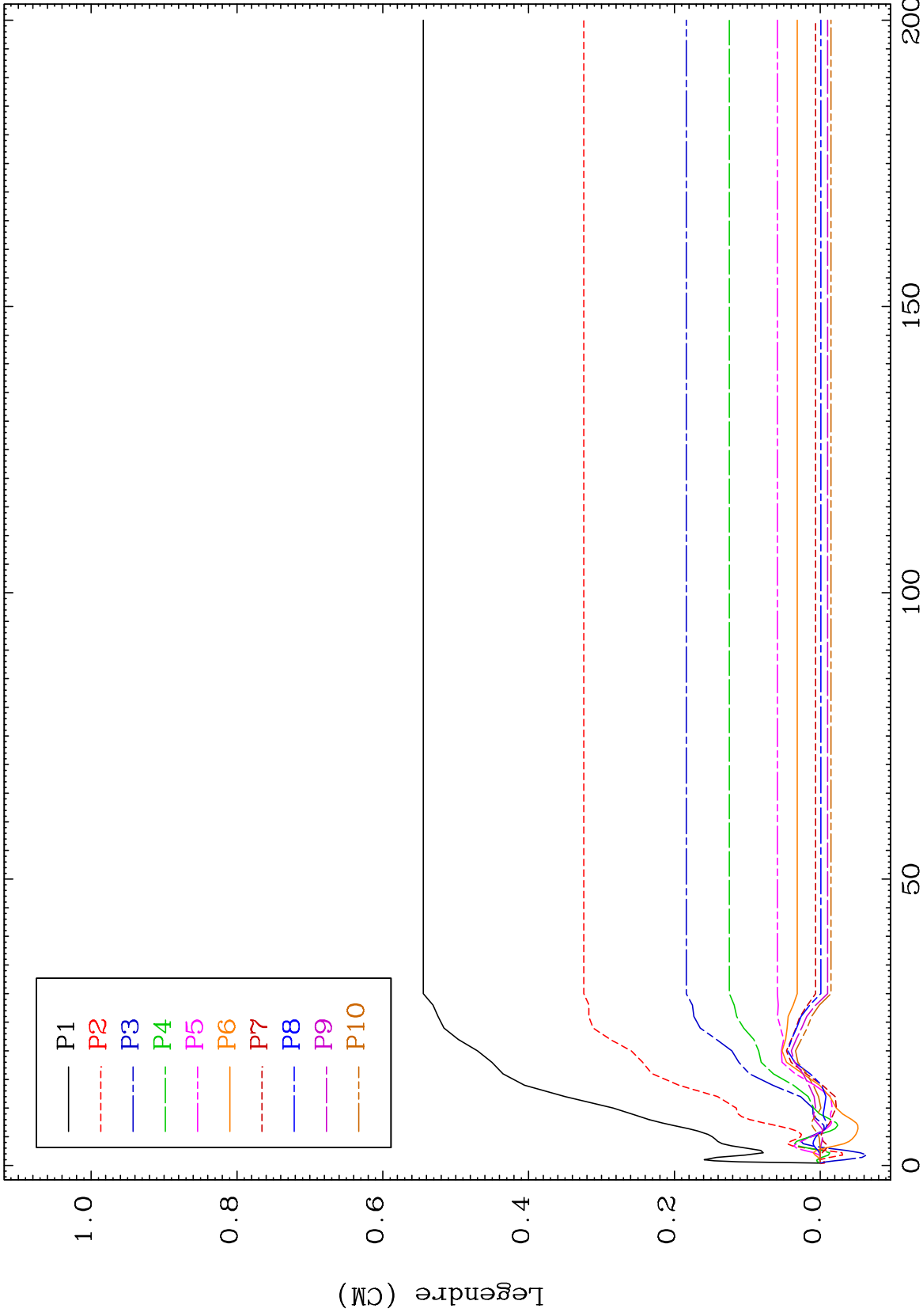
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



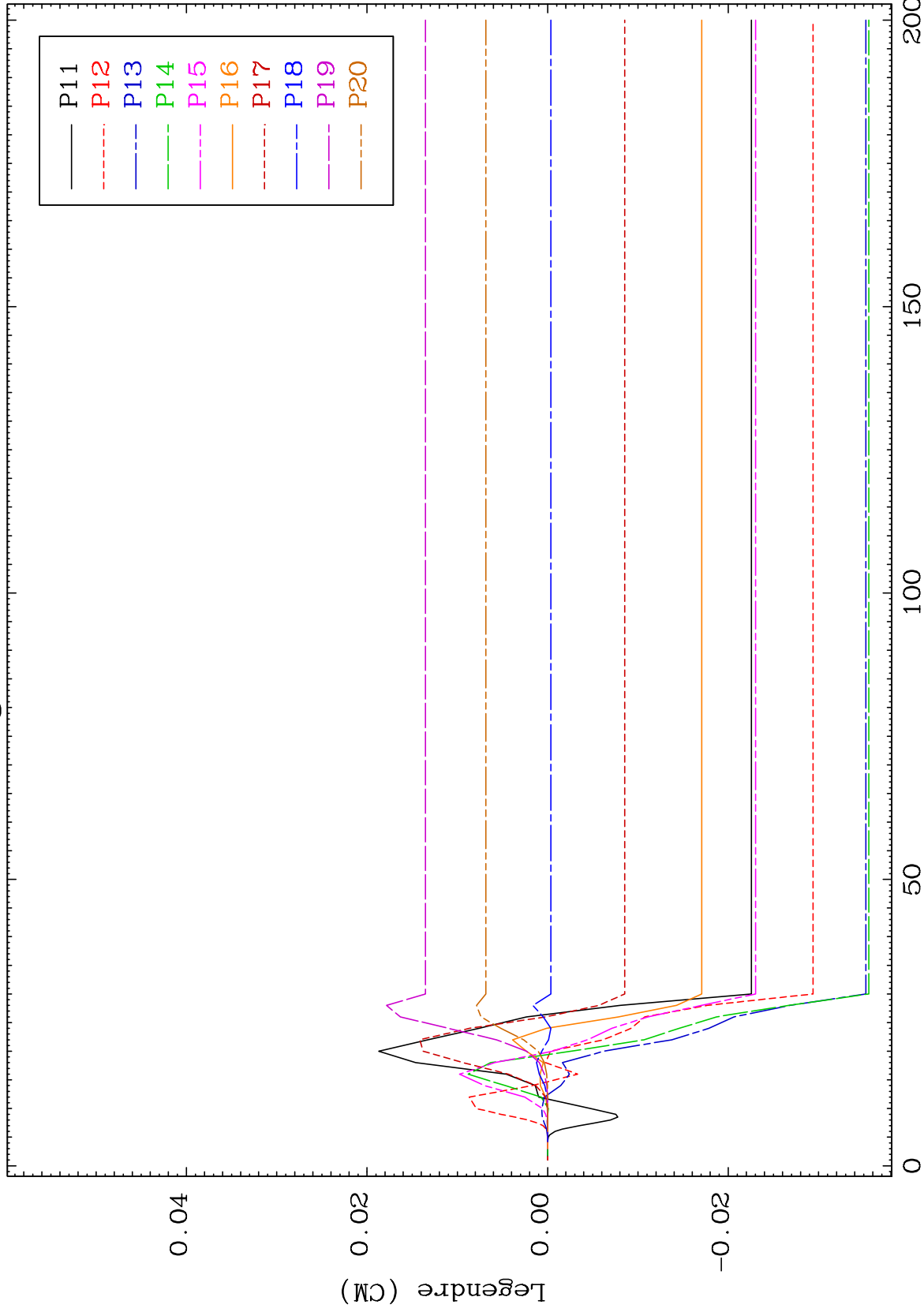
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79-Au-189

MAT 7901

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

79-Au-189



33

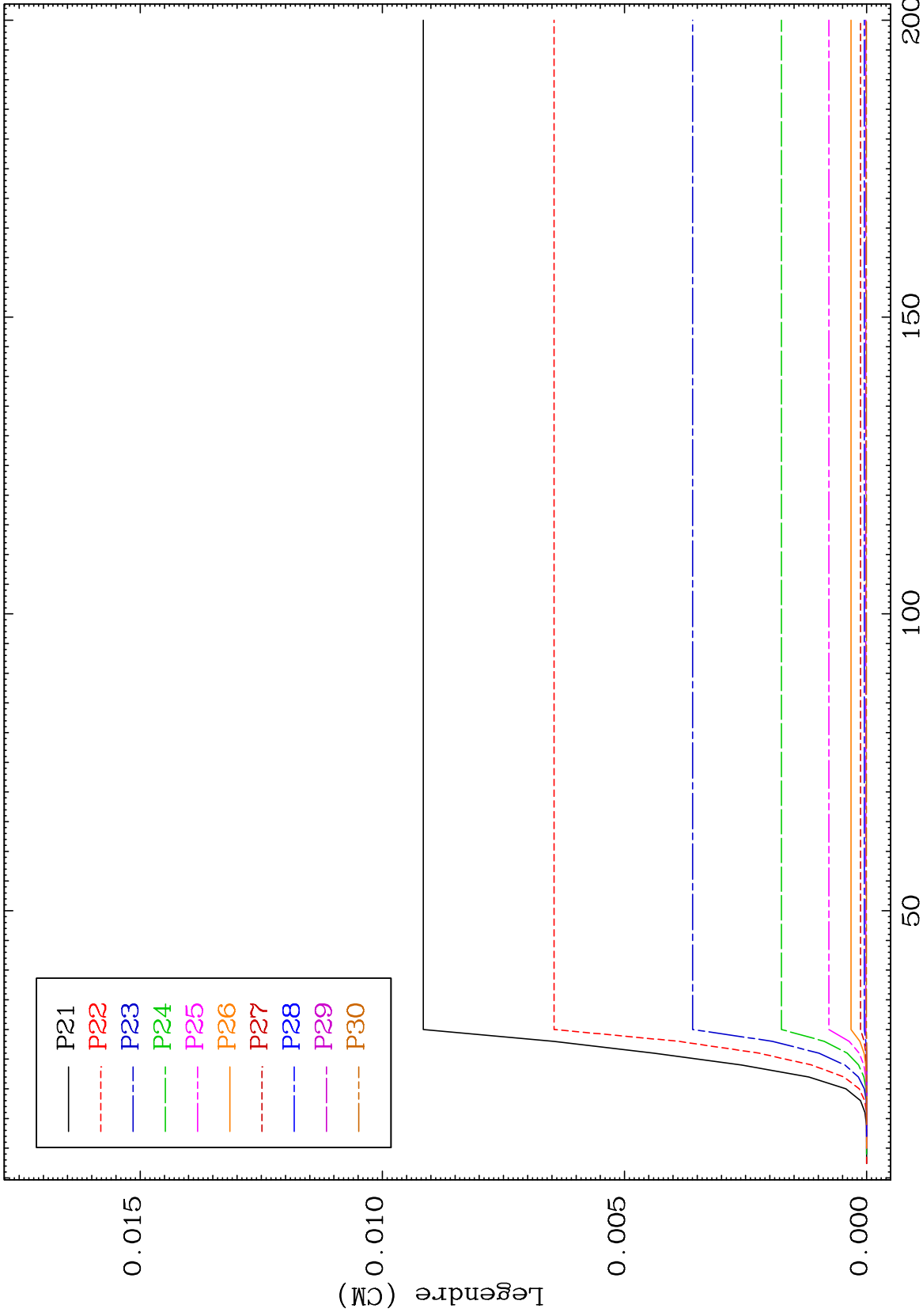
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



34

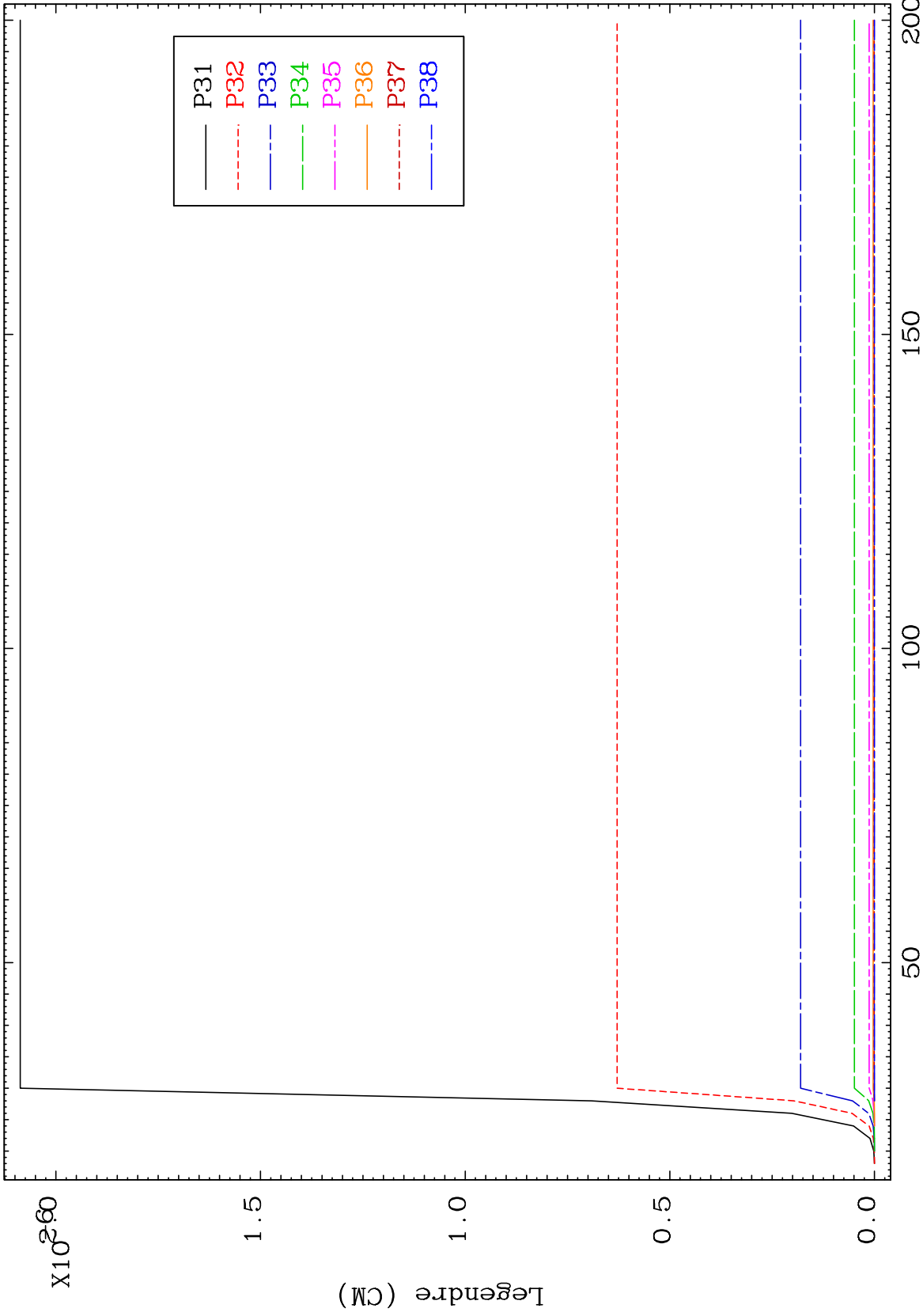
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



35

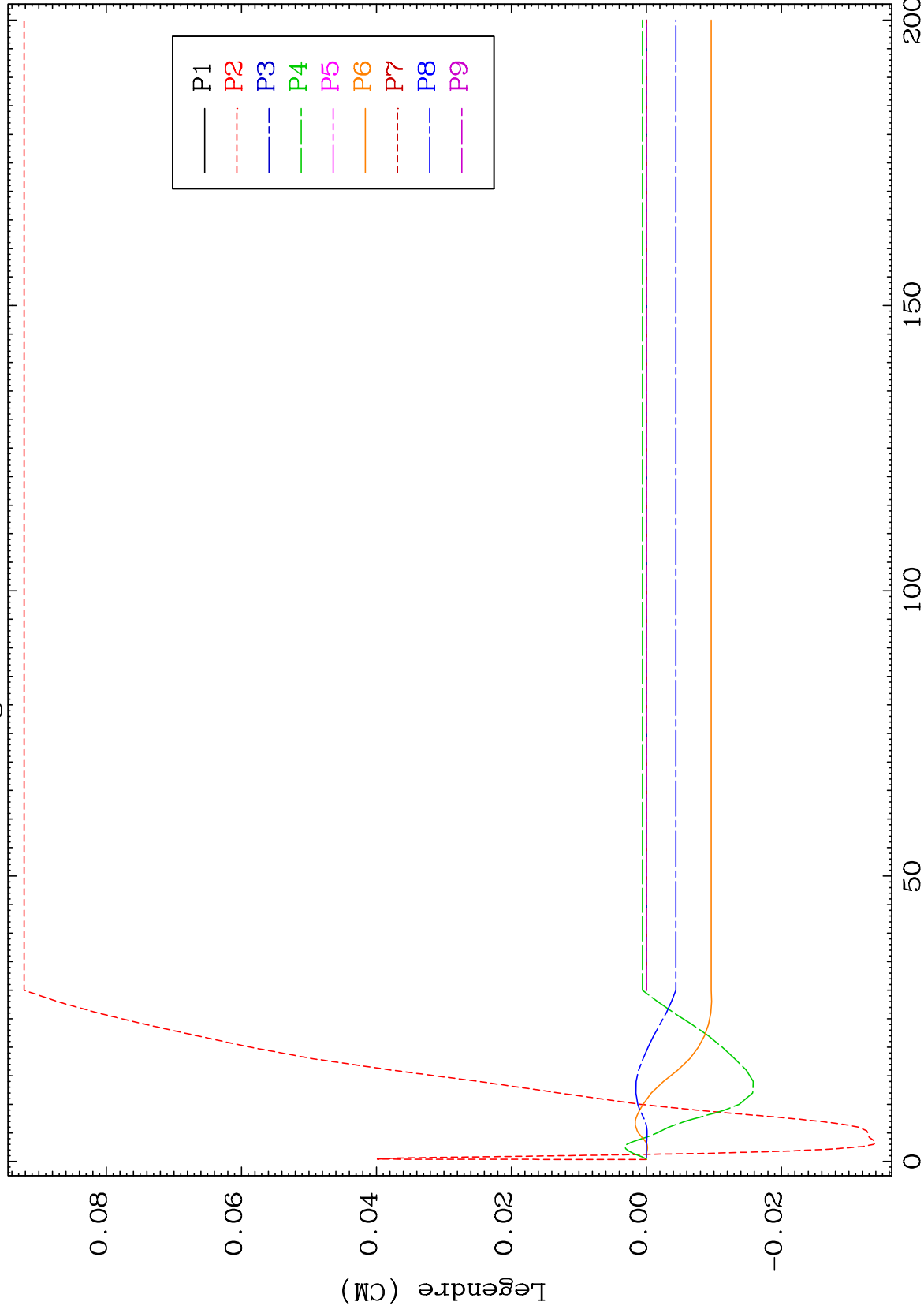
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



36

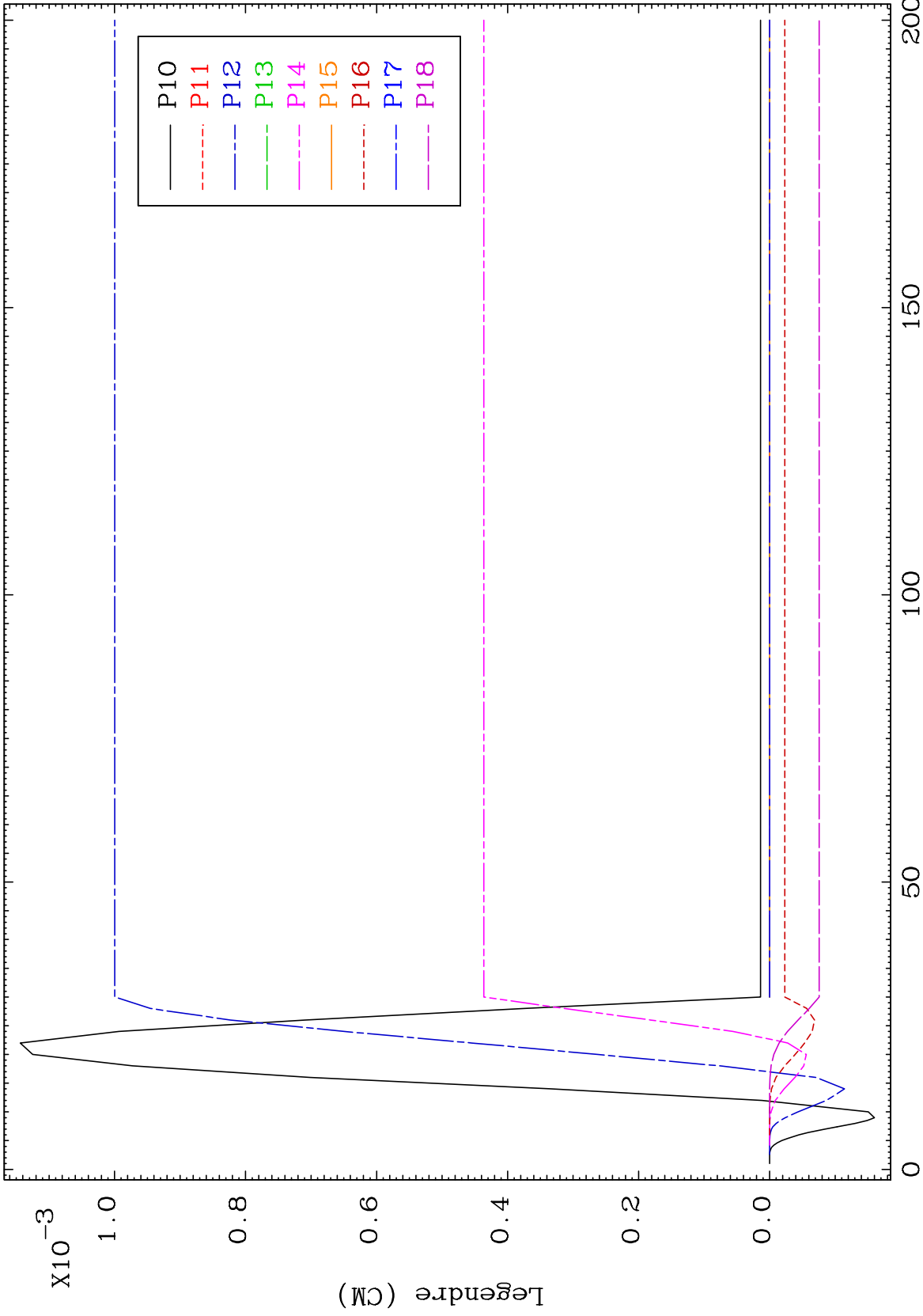
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



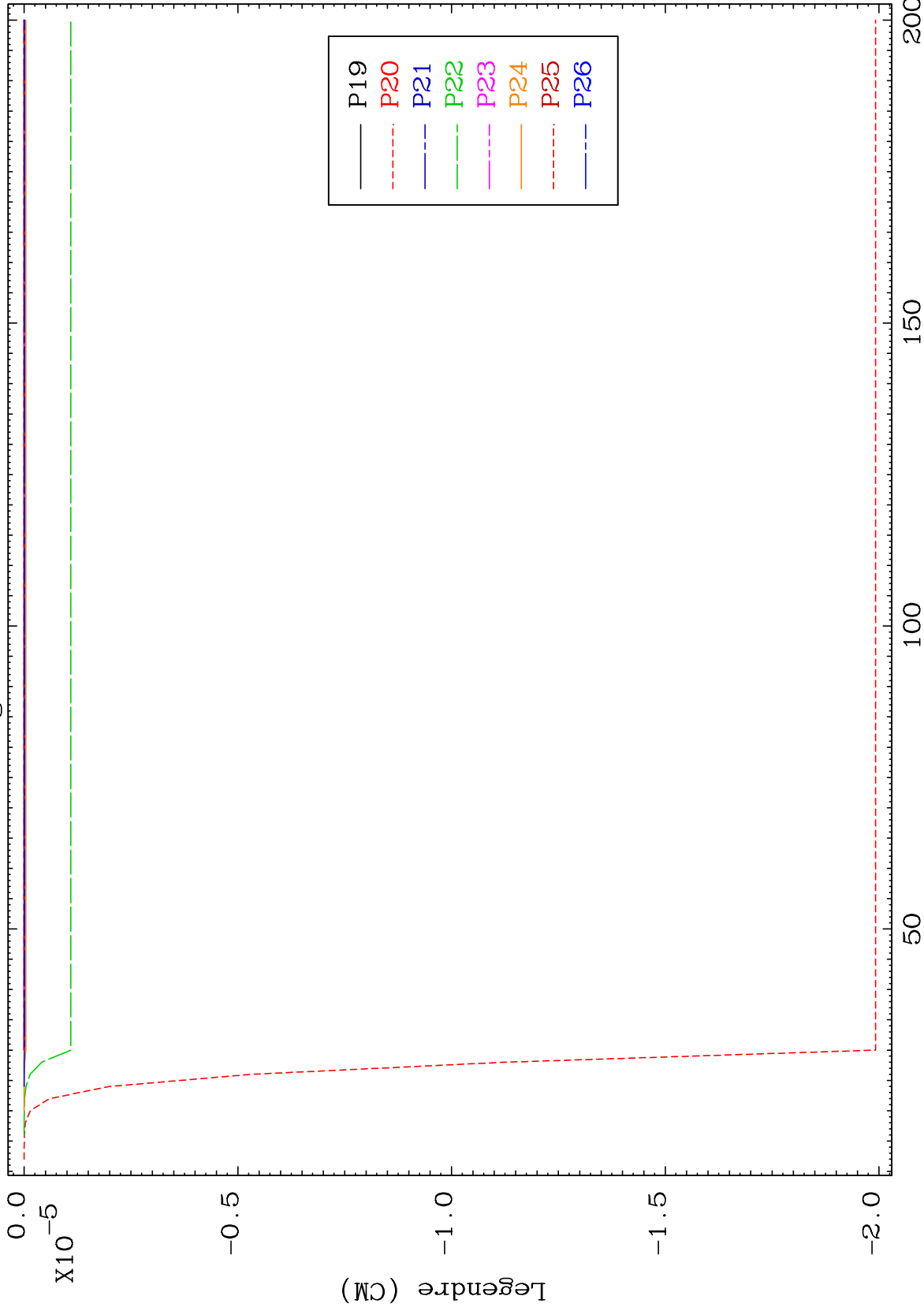
37

79-Au-189

MAT 7901

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

79-Au-189

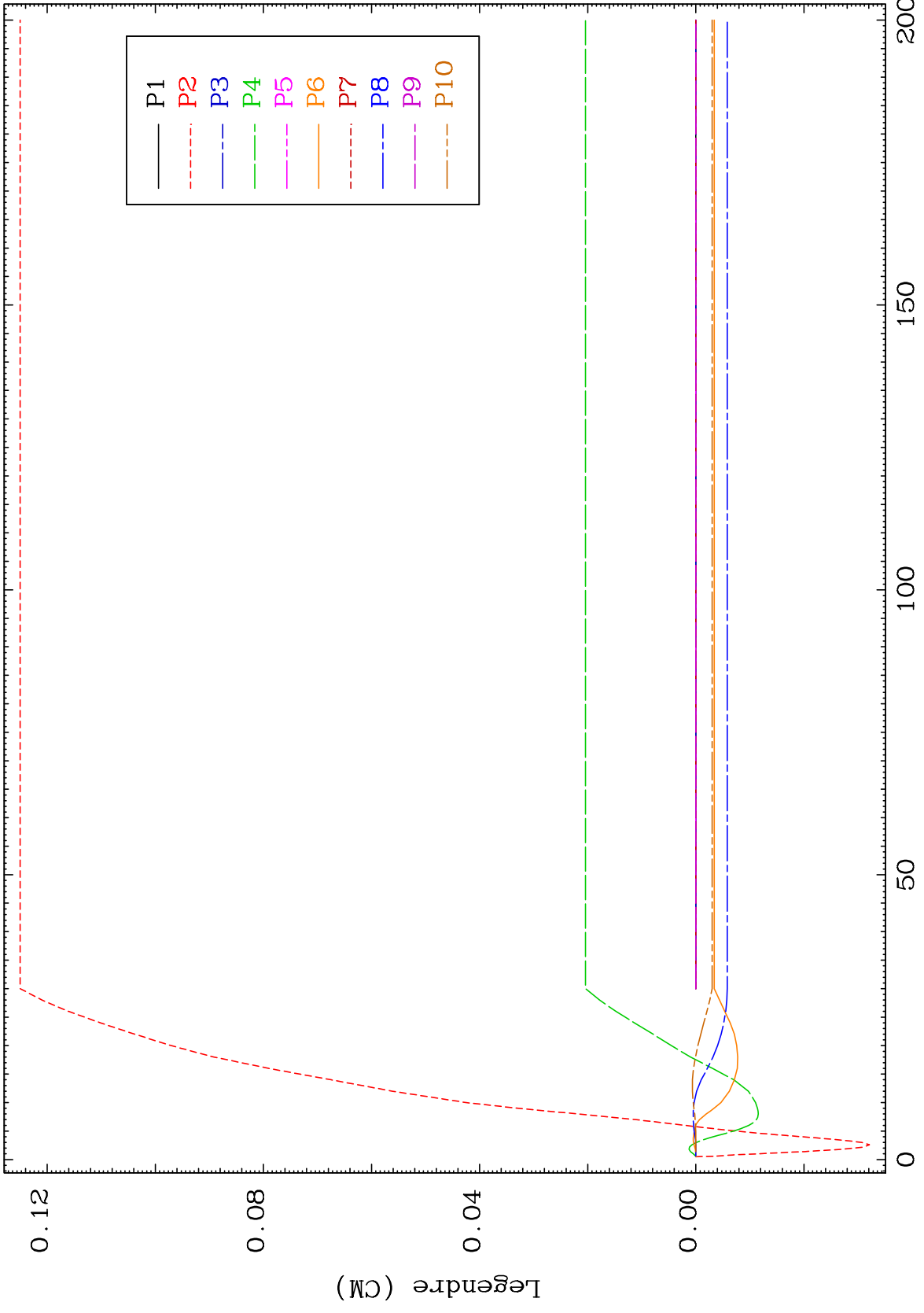


38

Incident Energy (MeV)

79-Au-189

MAT 7901 MT= 57 (n,n') Level Legendre Coefficients 79-Au-189

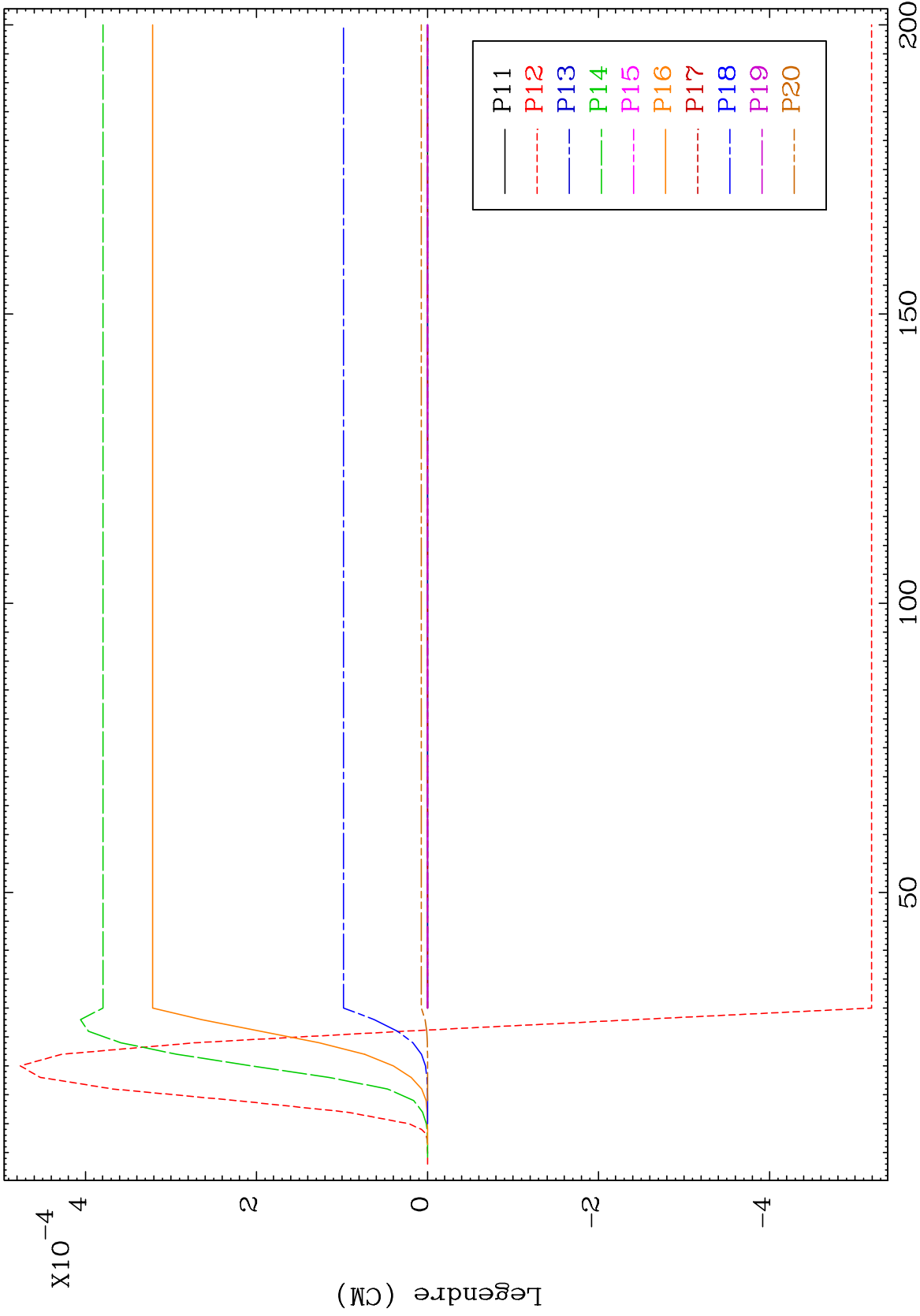


39 79-Au-189

MAT 7901

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

79-Au-189



40

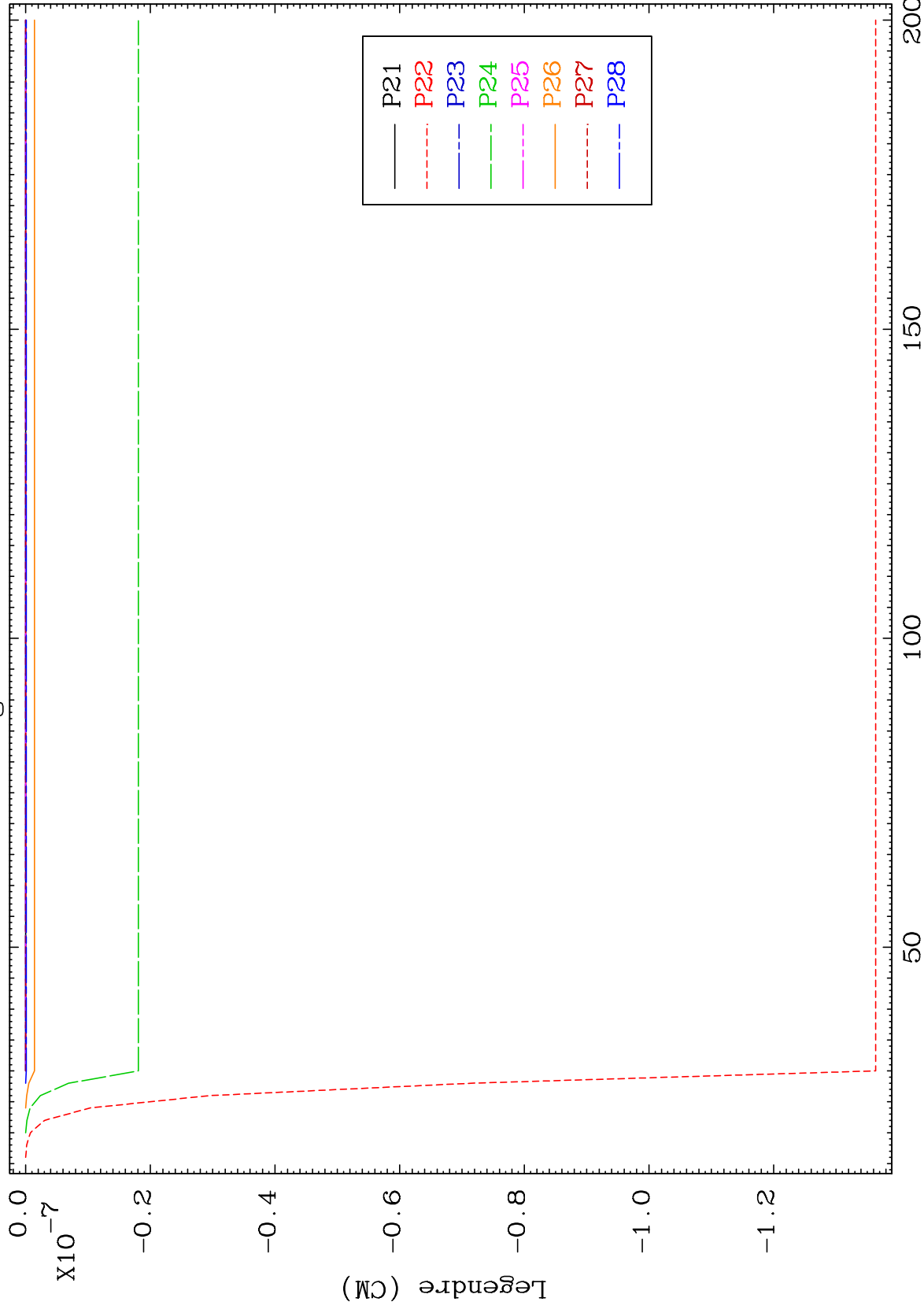
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



41

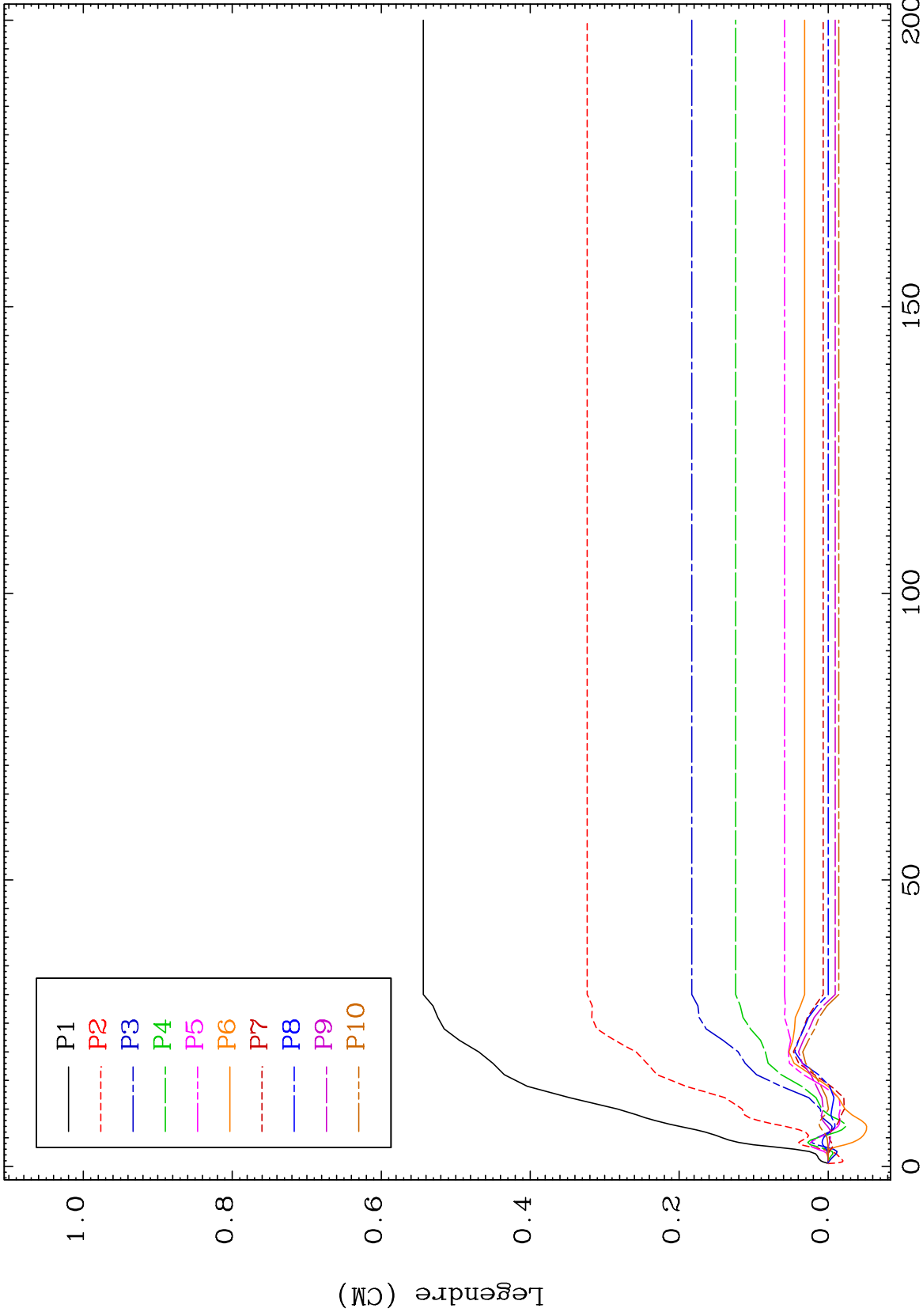
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189

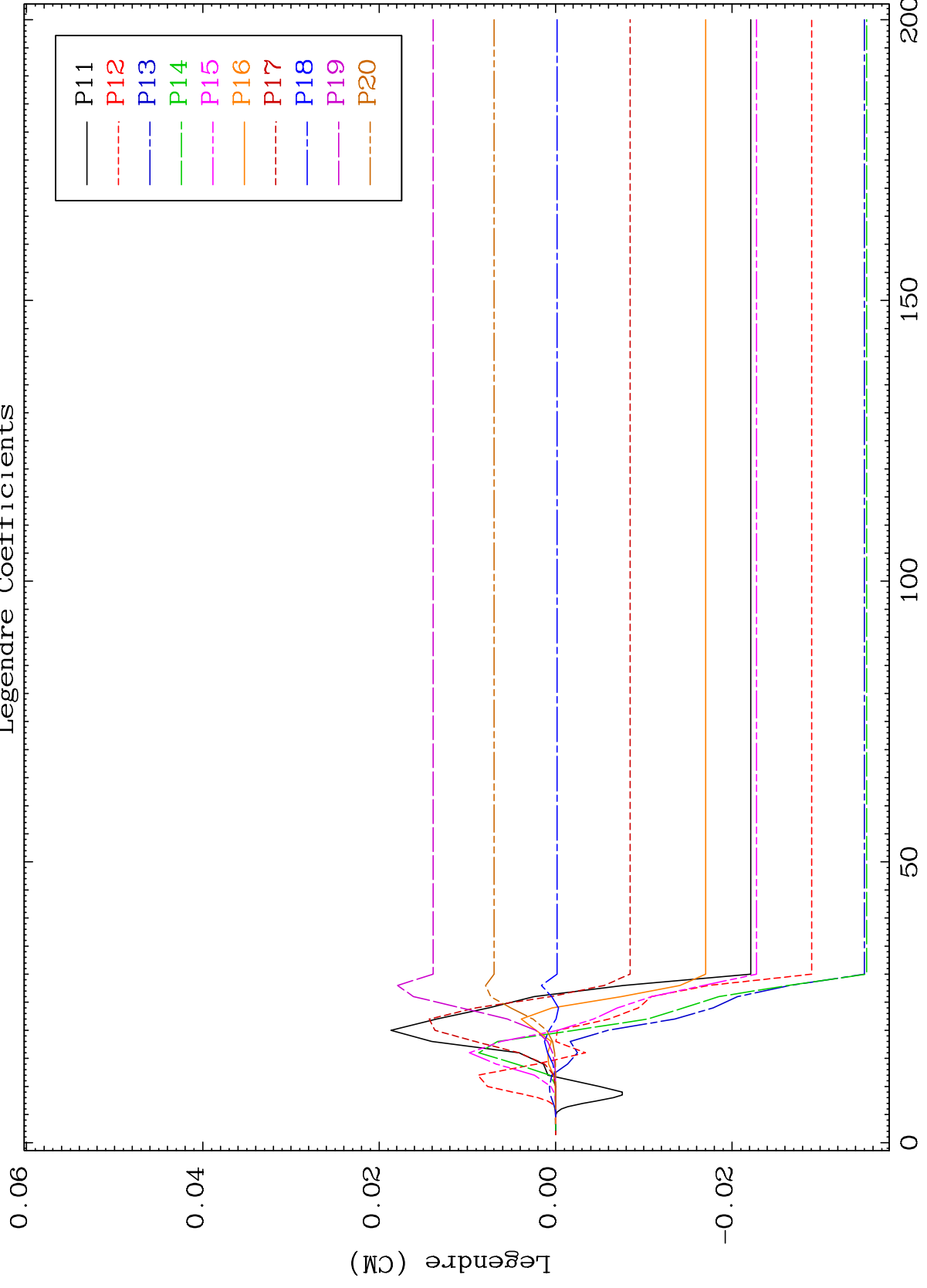


42

Incident Energy (MeV)

79-Au-189

MAT 7901 MT= 58 (n,n') Level Legendre Coefficients 79-Au-189

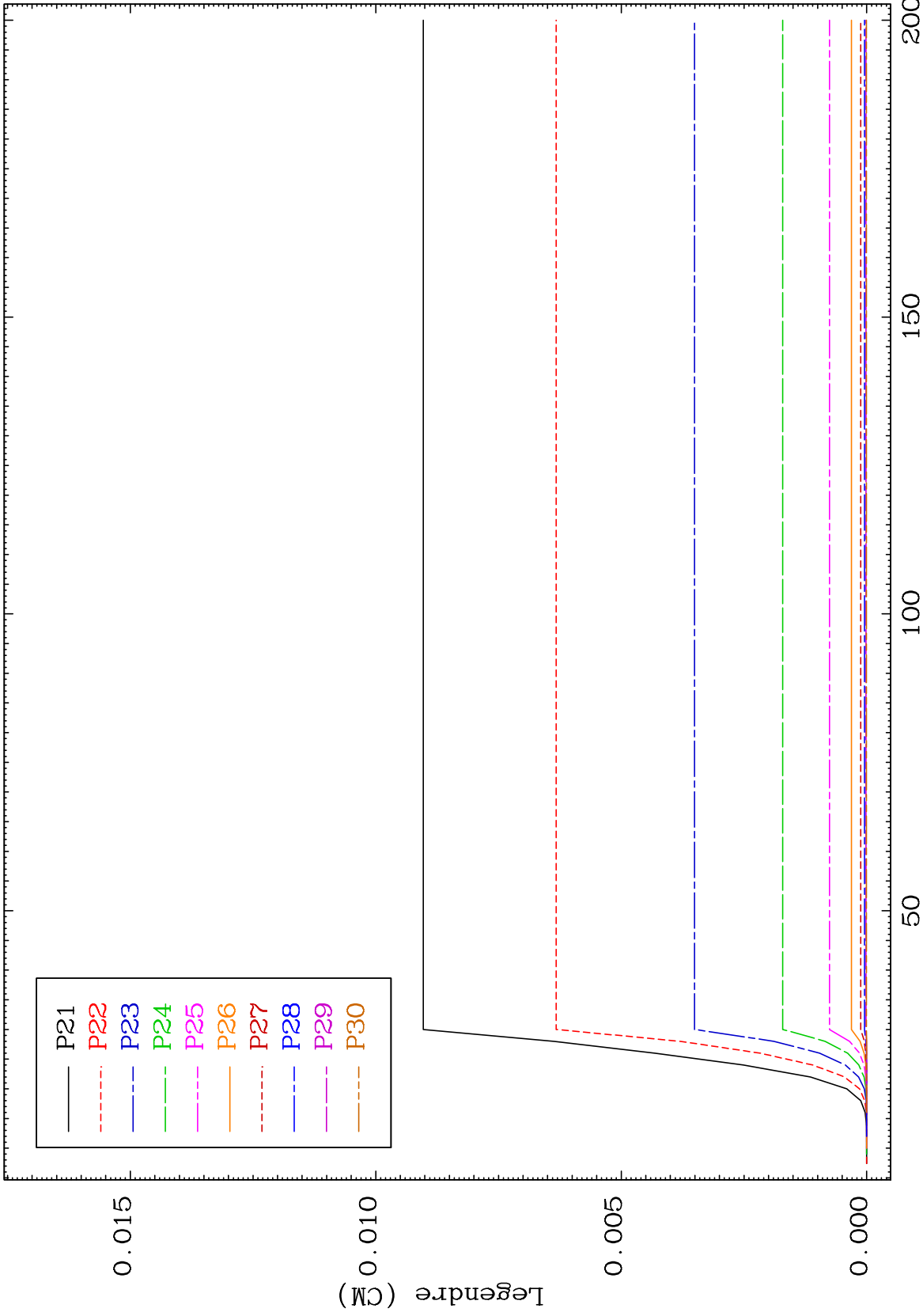


43 79-Au-189

MAT 7901

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

79-Au-189



44

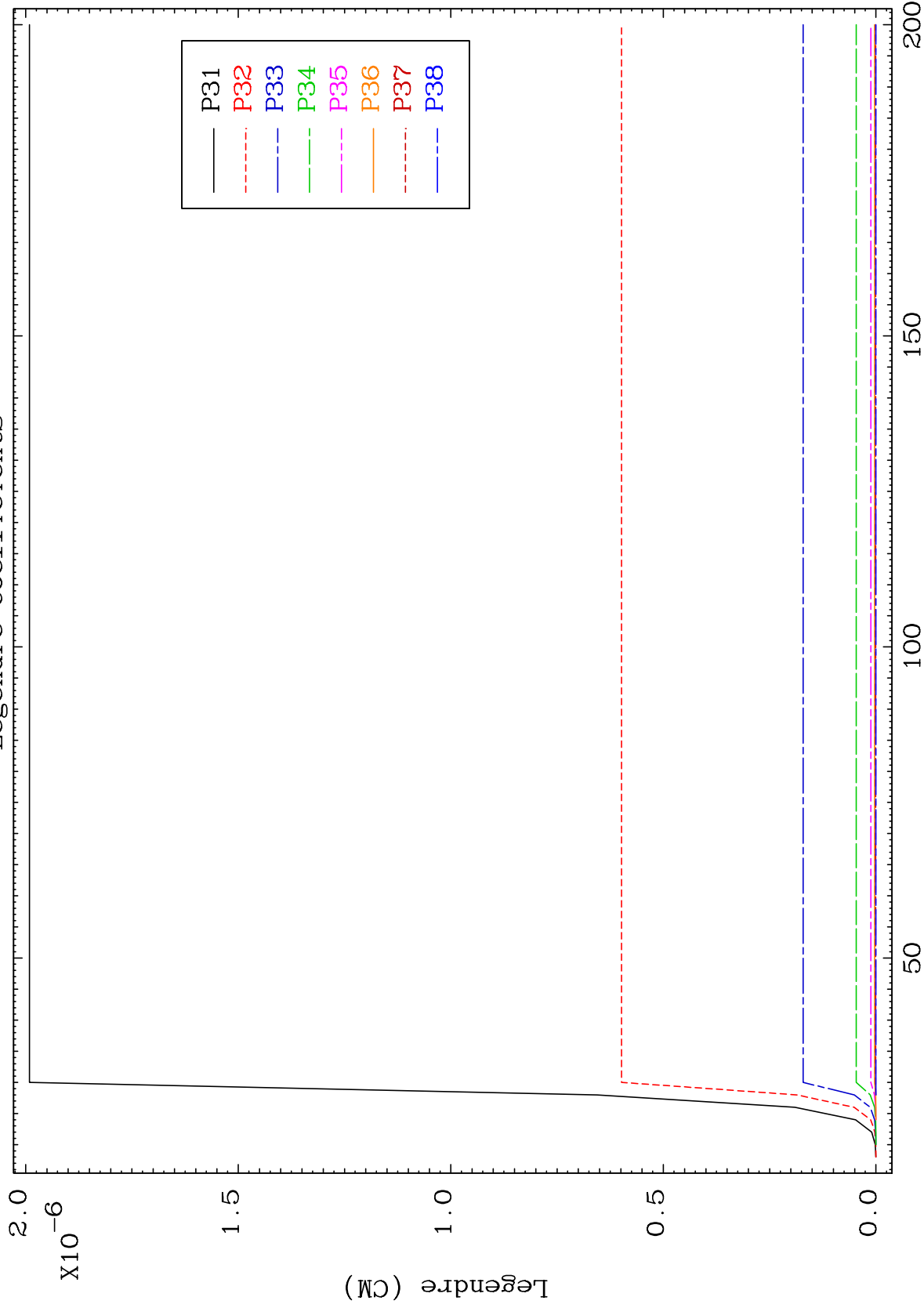
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189

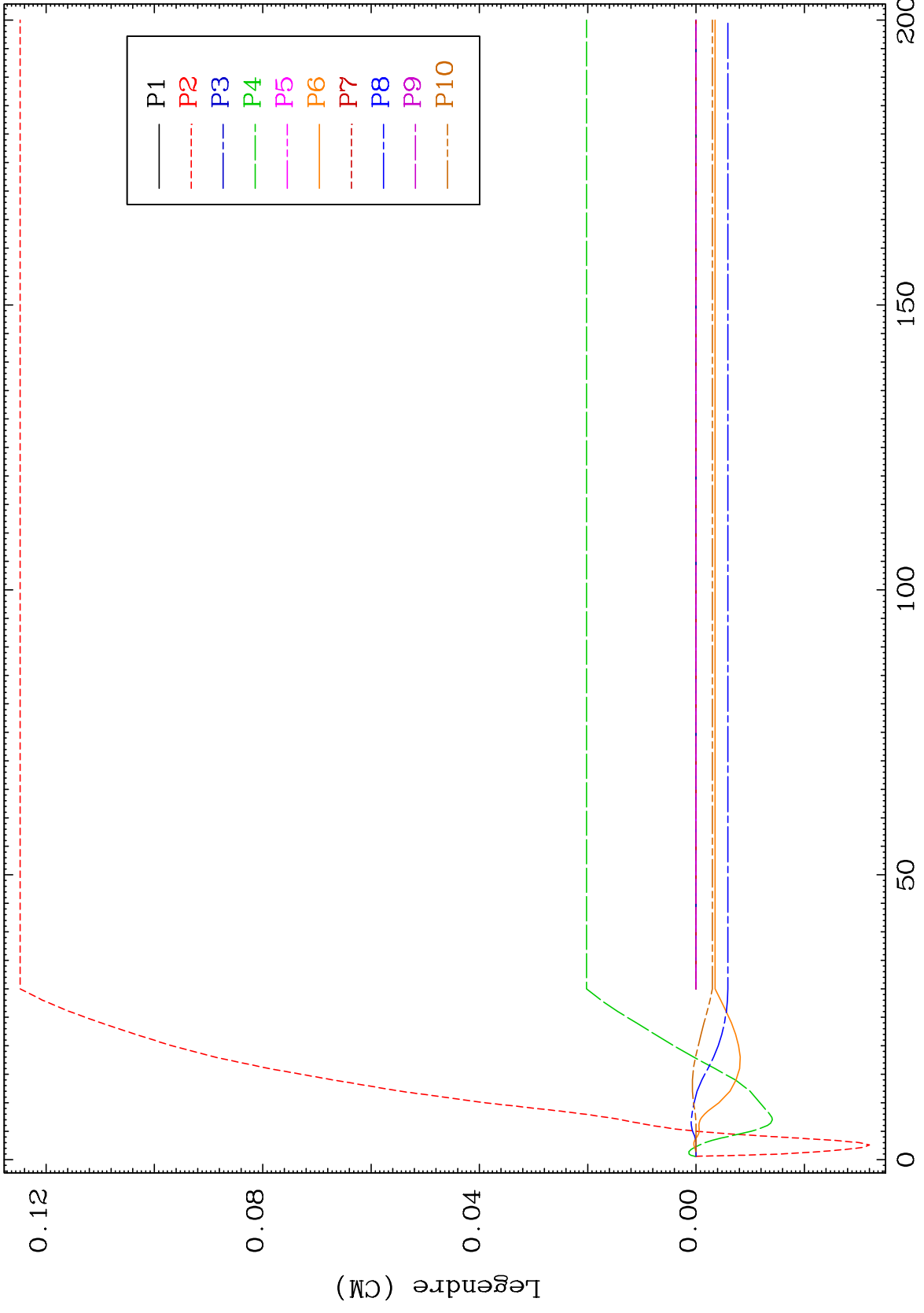


45

Incident Energy (MeV)

79-Au-189

MAT 7901 MT= 59 (n,n') Level Legendre Coefficients 79-Au-189

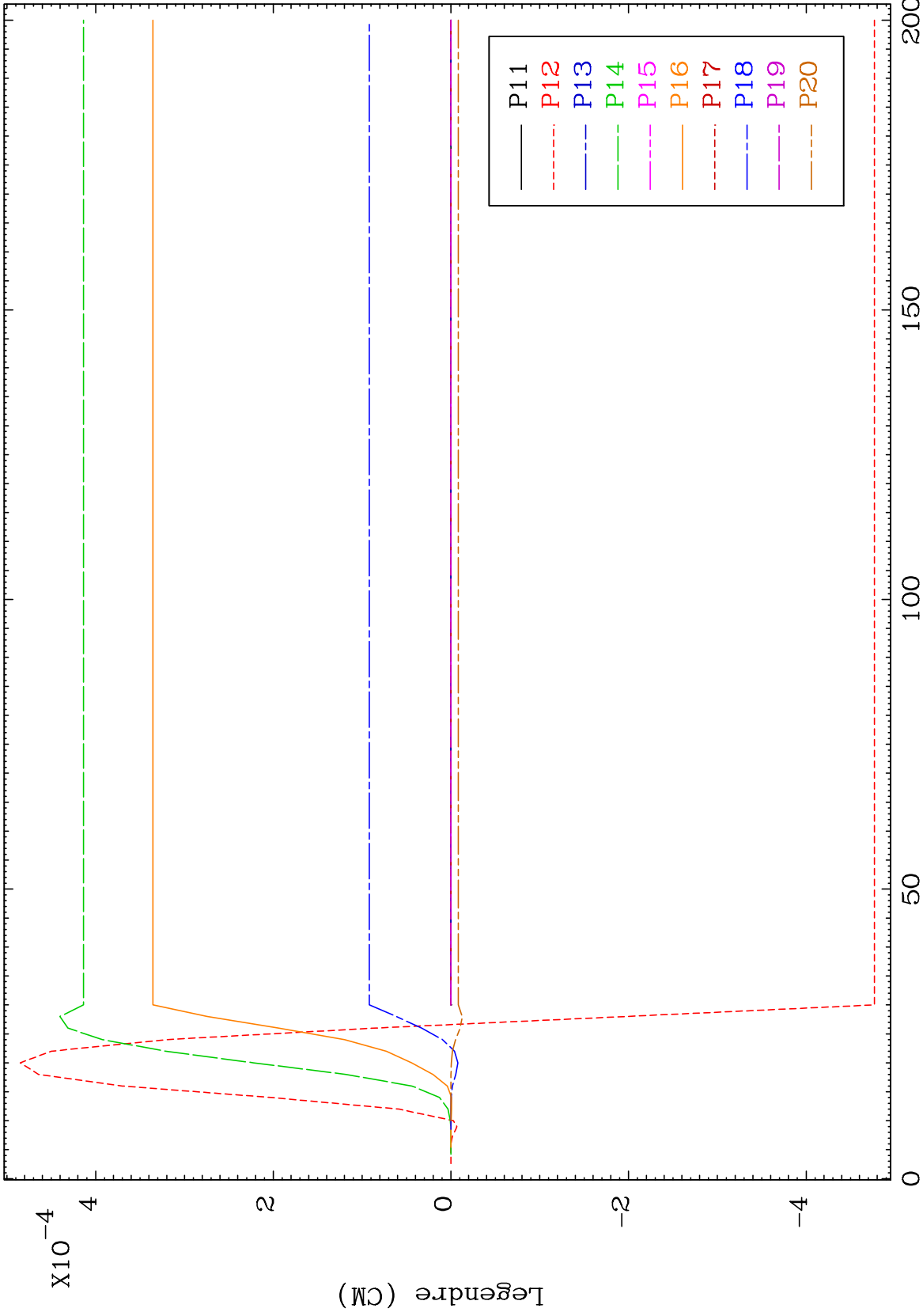


46 79-Au-189

MAT 7901

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

79-Au-189



47

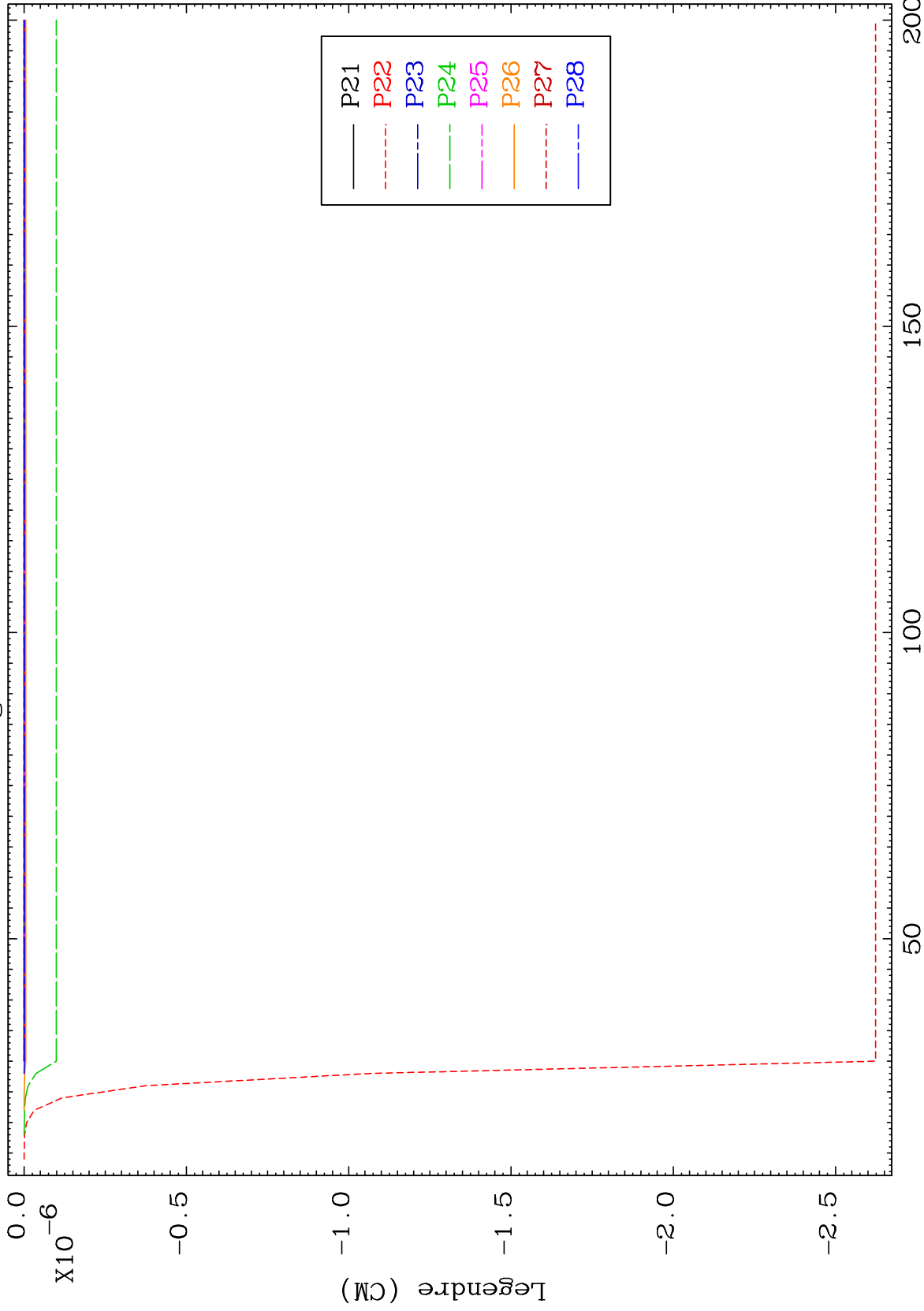
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



48

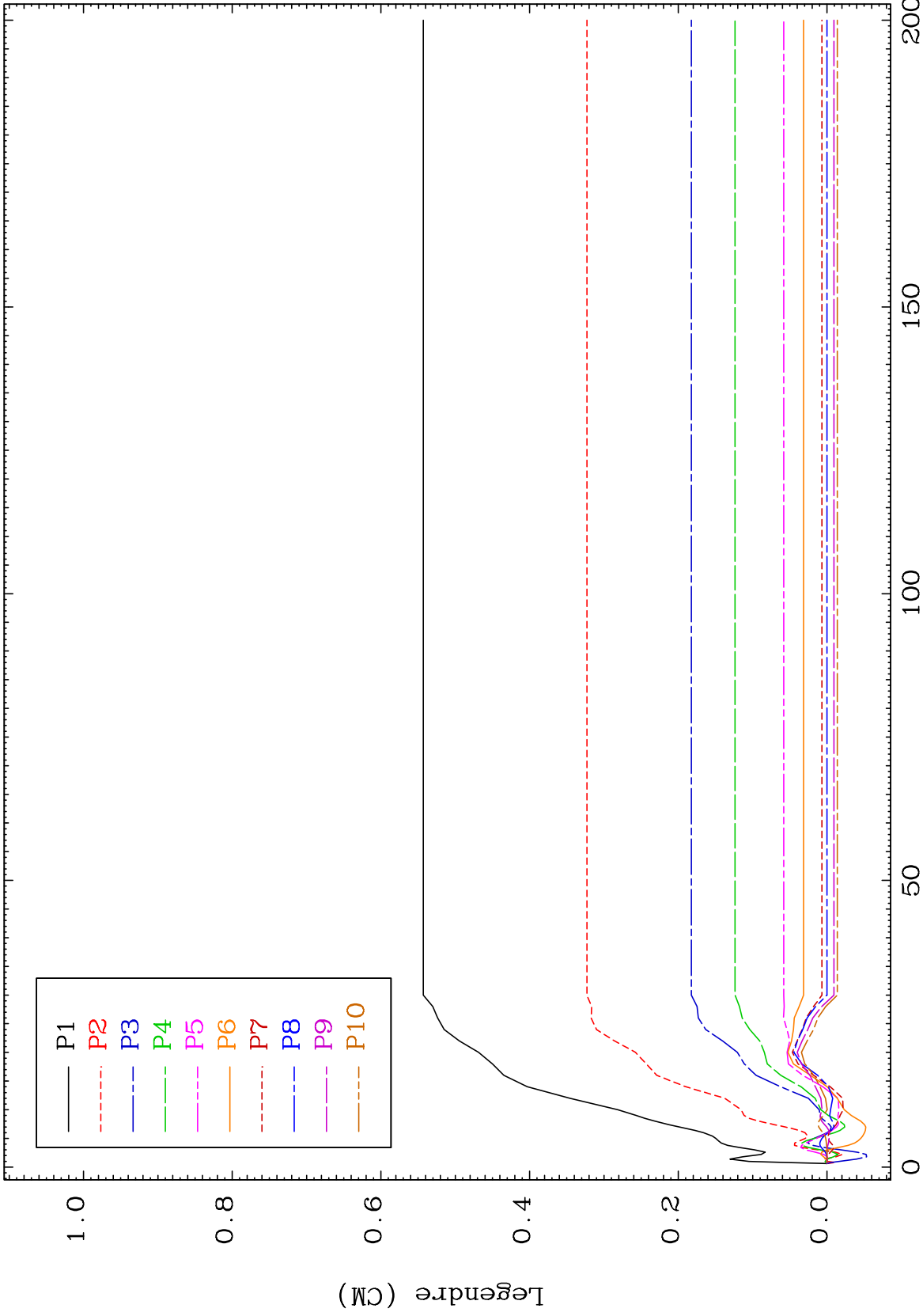
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



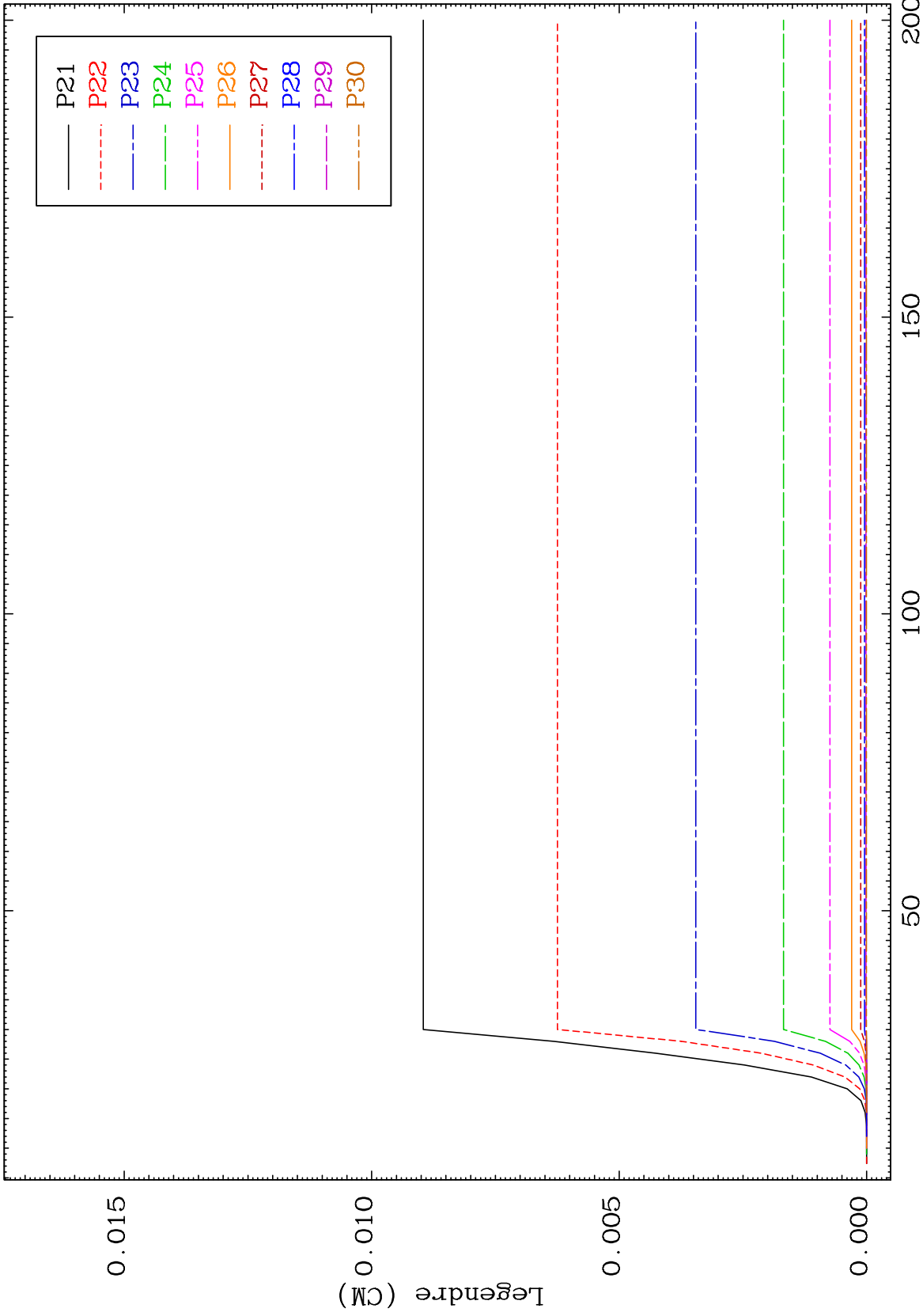
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79-Au-189

MAT 7901

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

79-Au-189



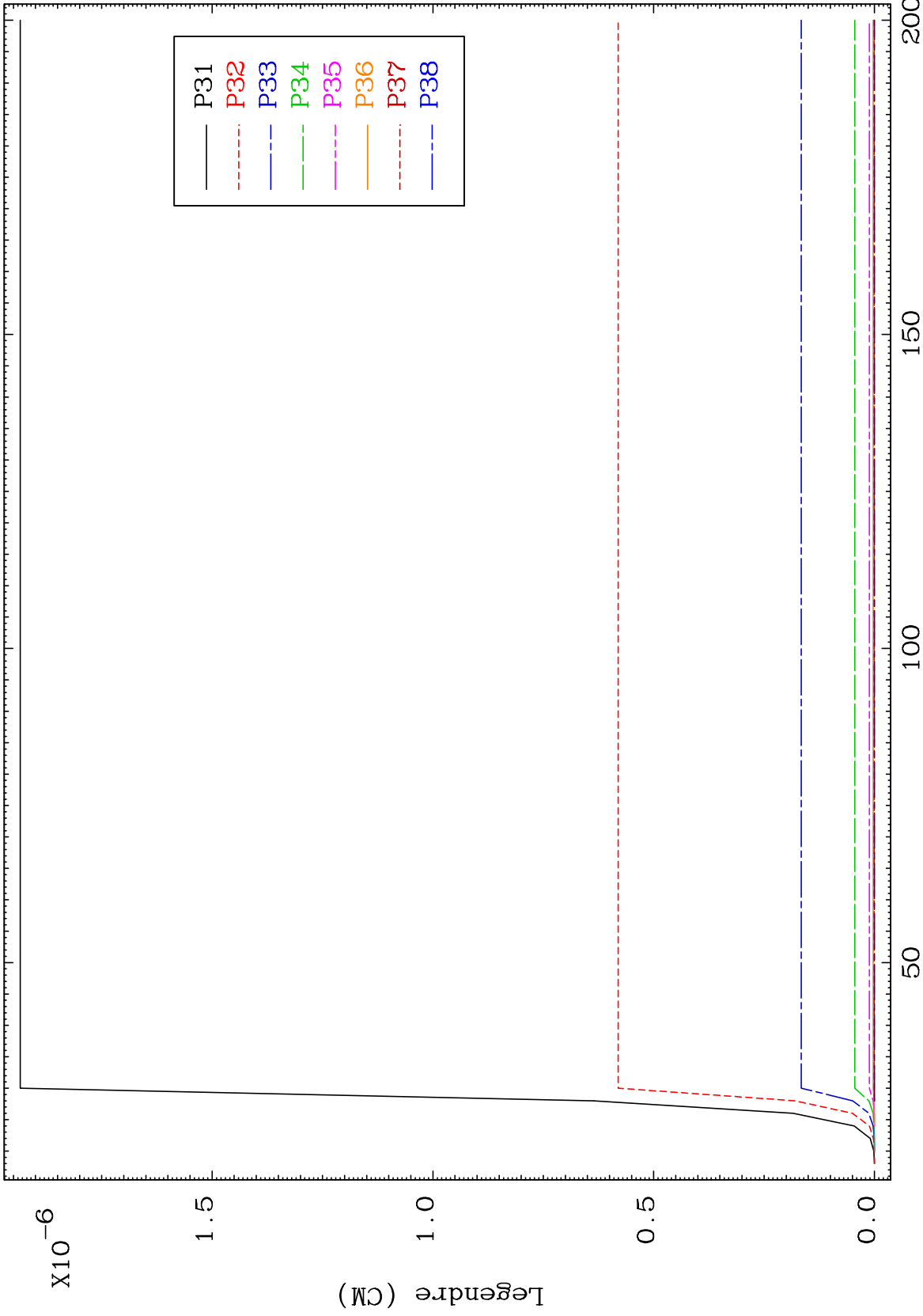
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79-Au-189

MAT 7901

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

79-Au-189



52

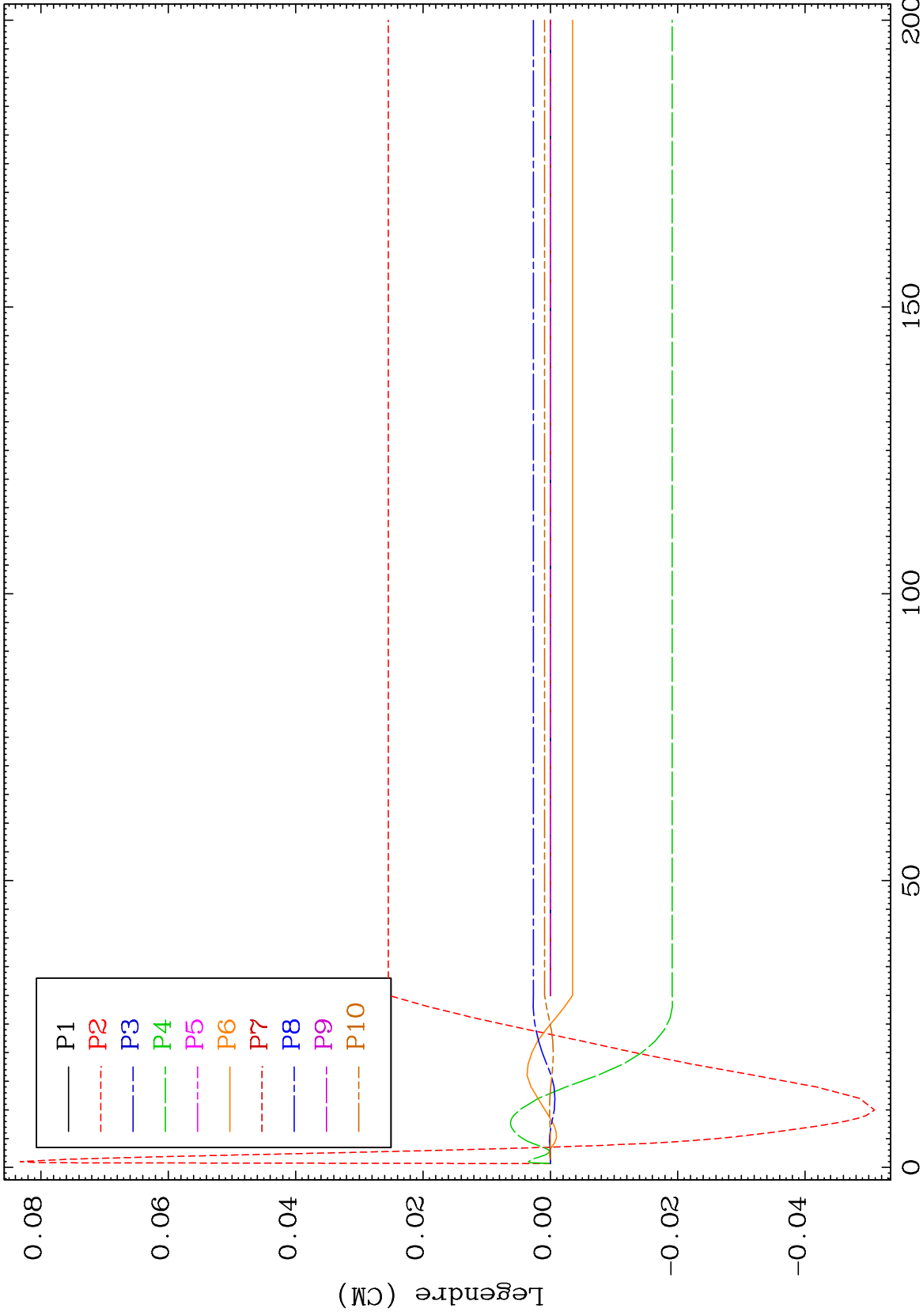
79-Au-189

79-Au-189

MAT 7901

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

79-Au-189



53

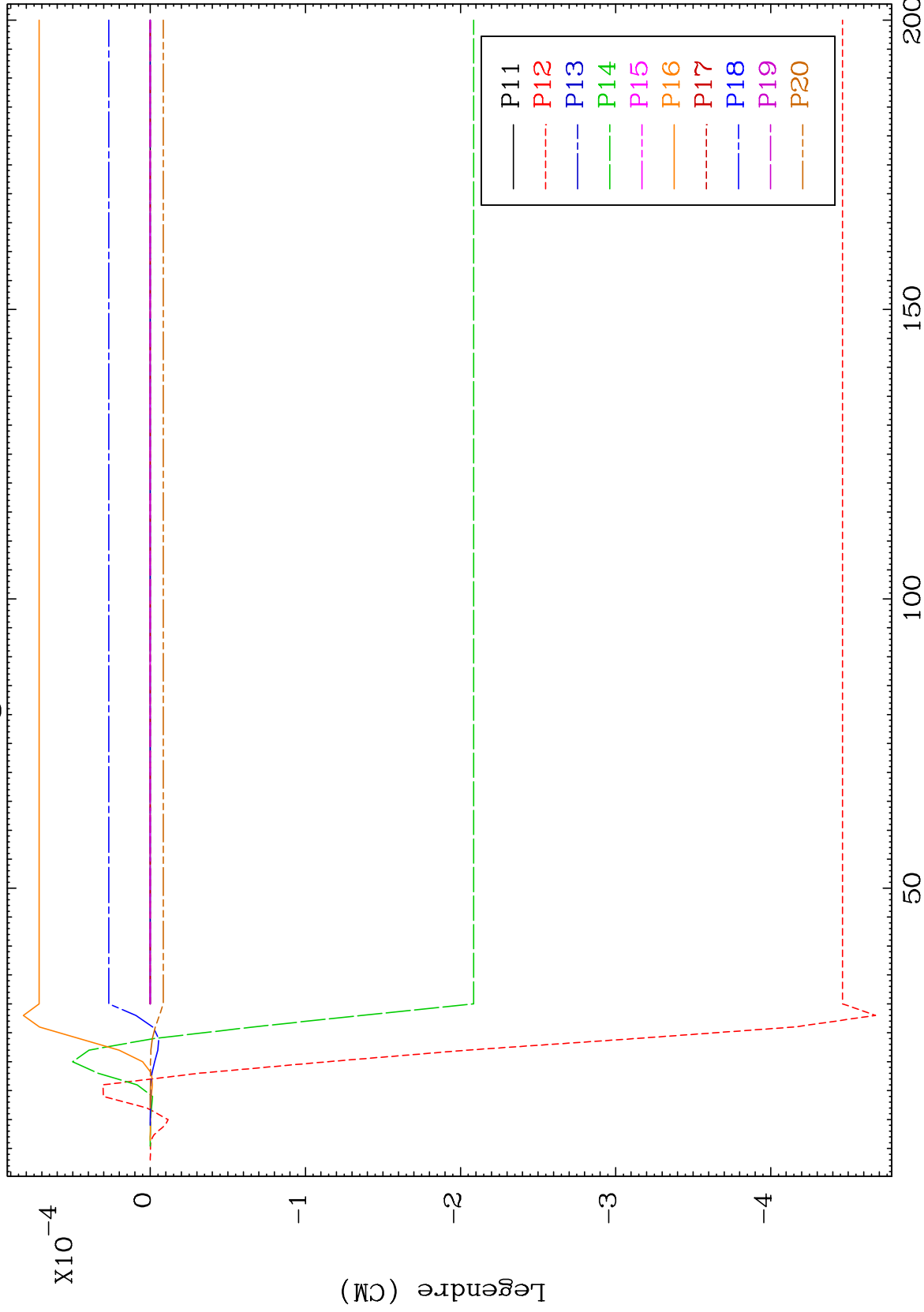
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



54

Incident Energy (MeV)

79-Au-189

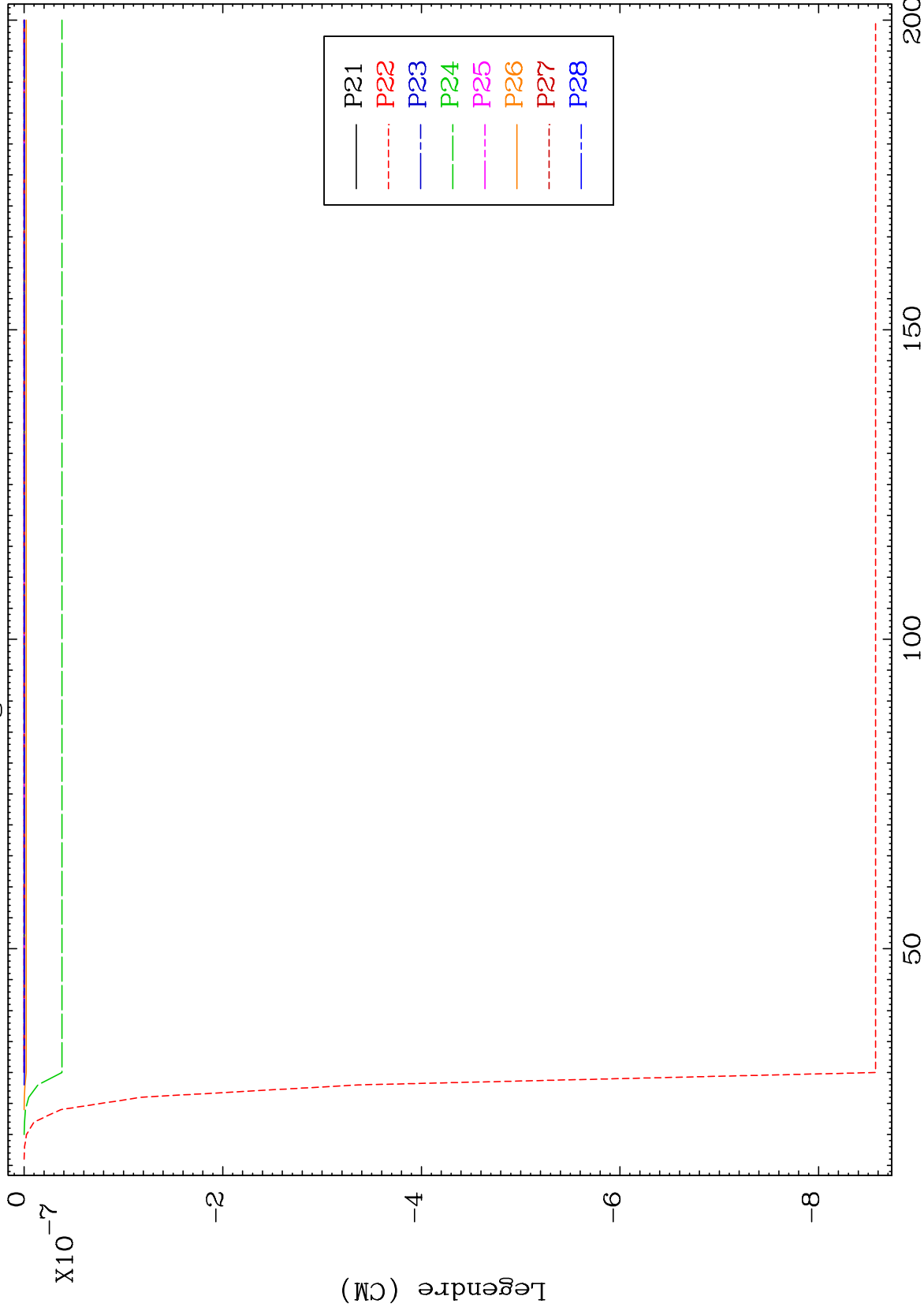
MAT 7901

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

79-Au-189

Incident Energy (MeV)

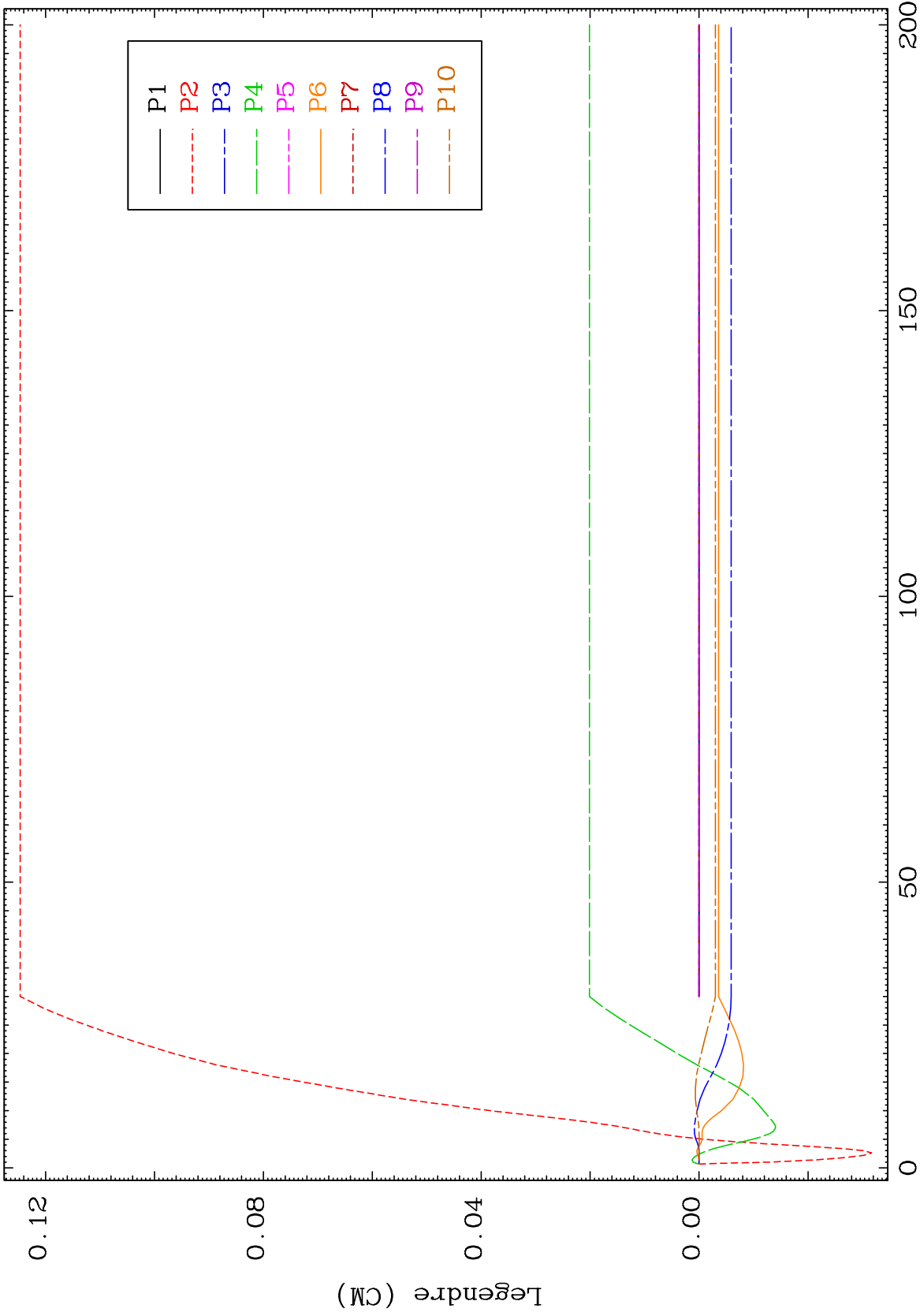
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MAT 7901

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

79-Au-189



56

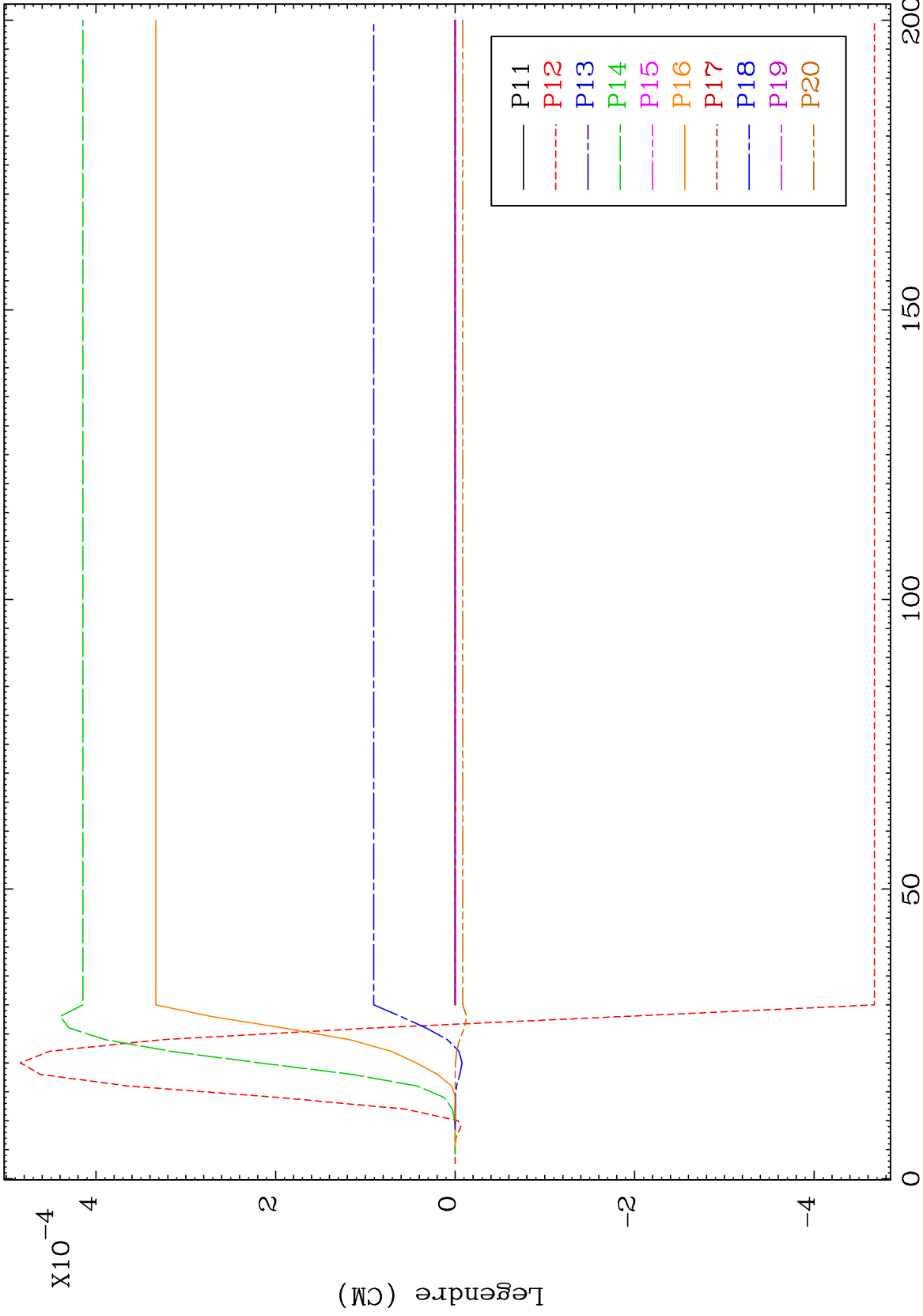
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



57

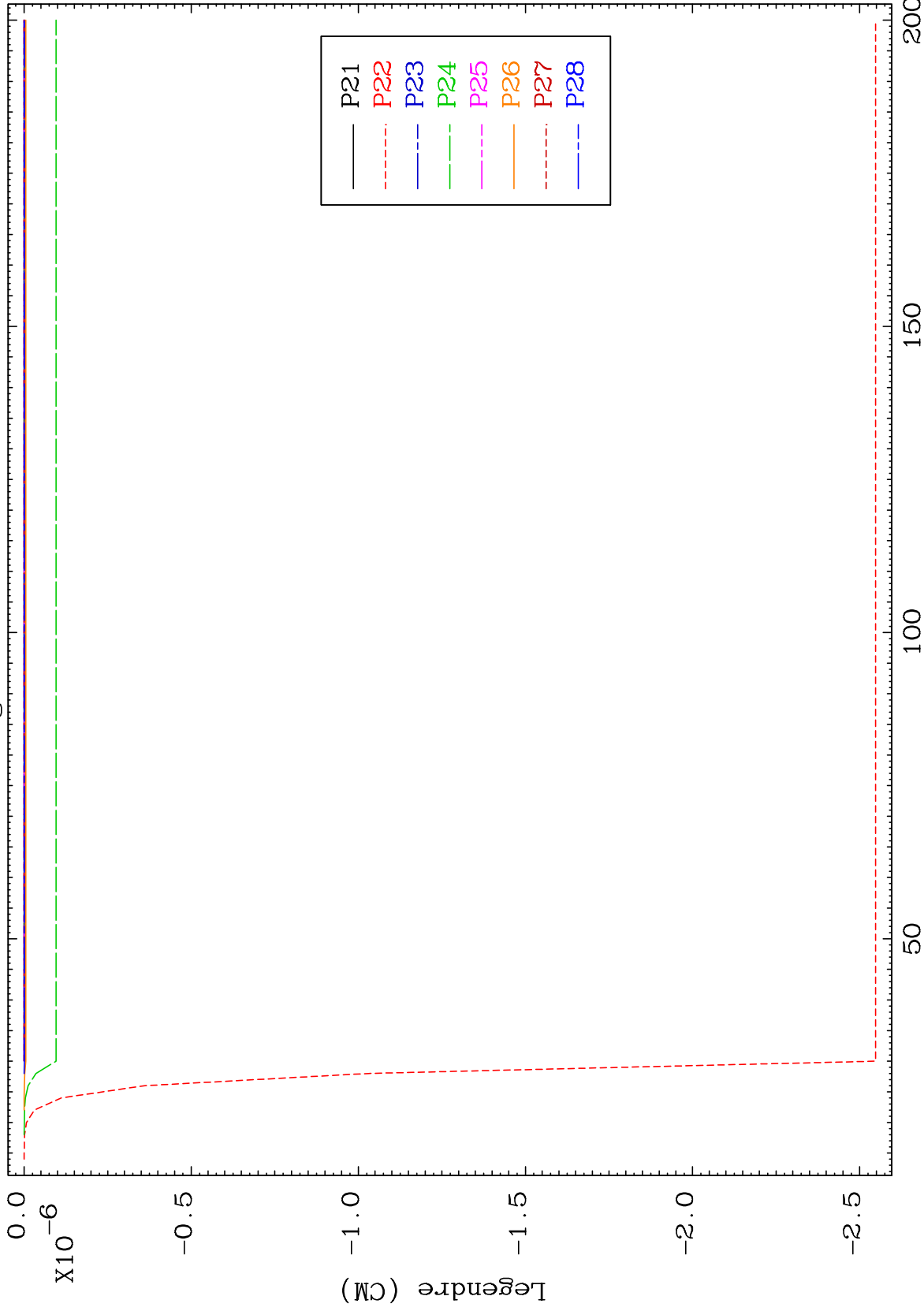
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



58

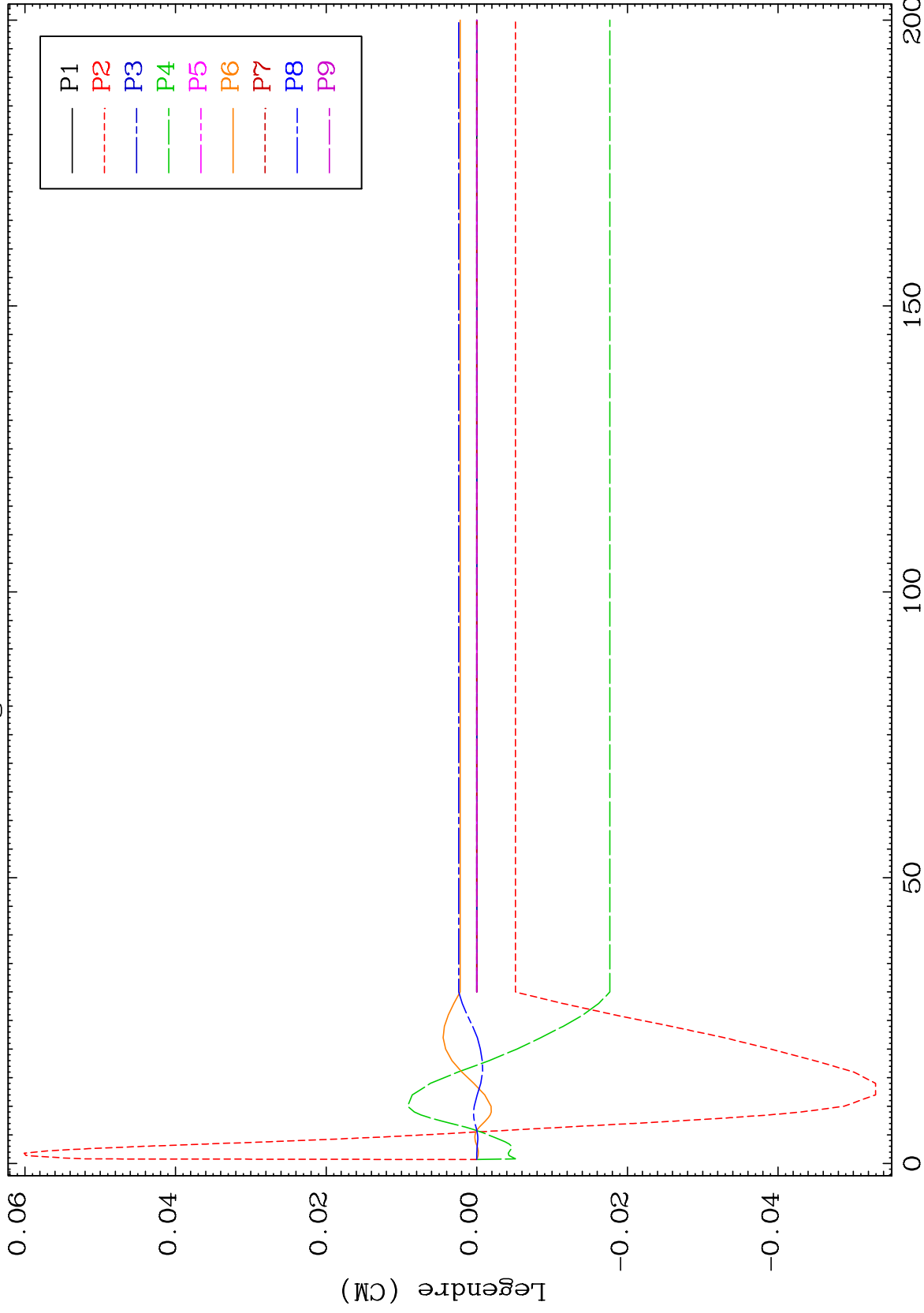
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



59

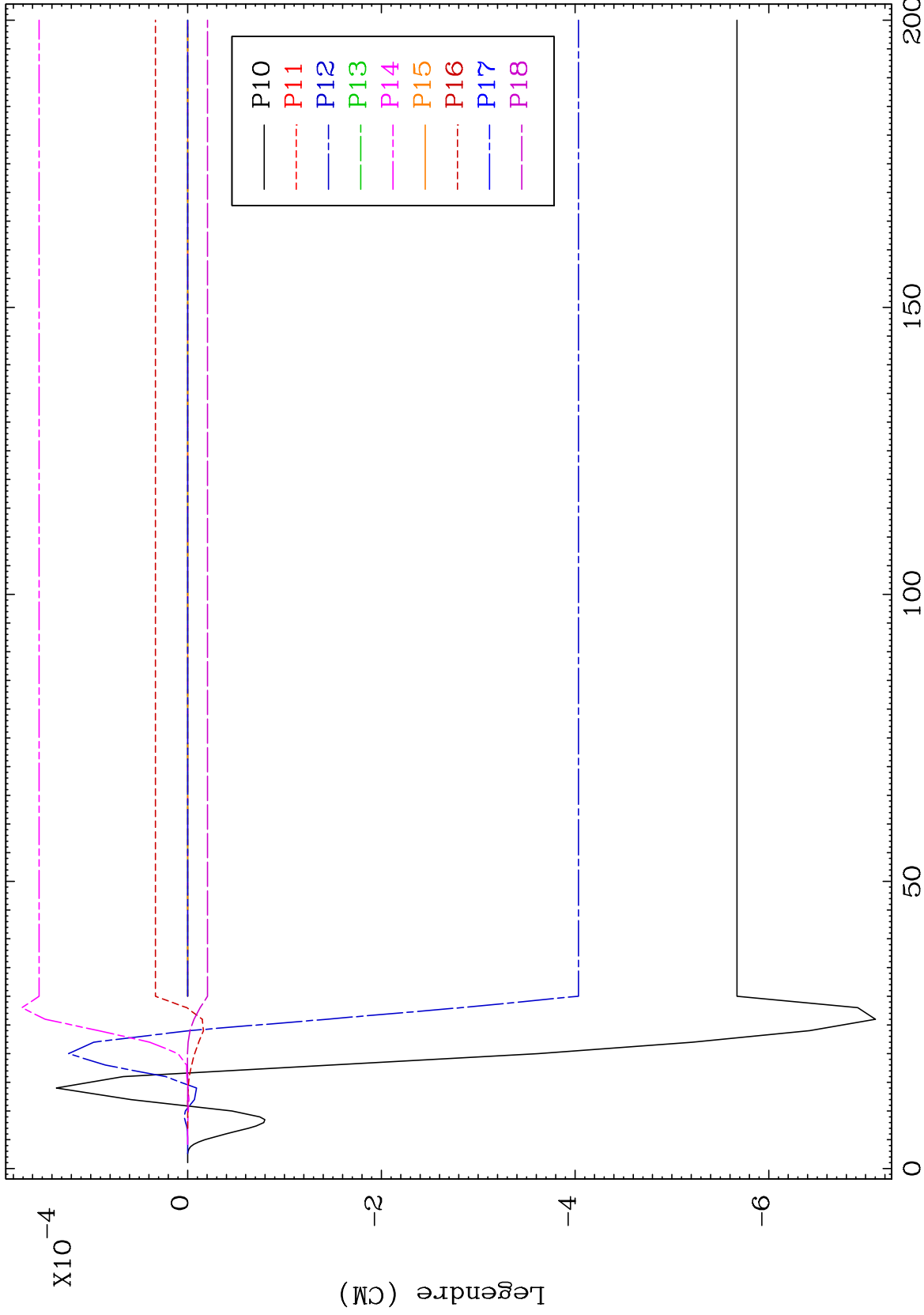
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



60

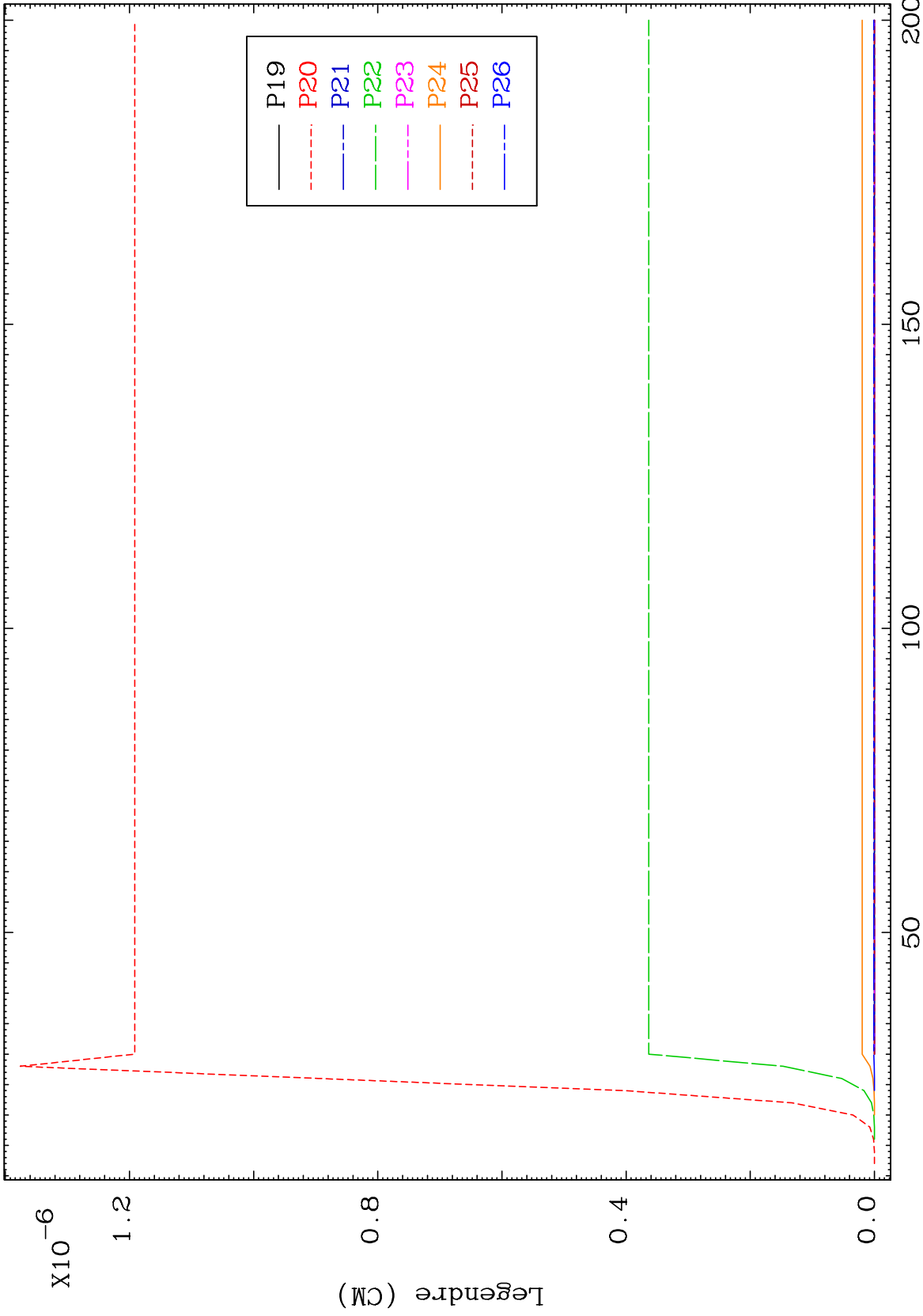
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189

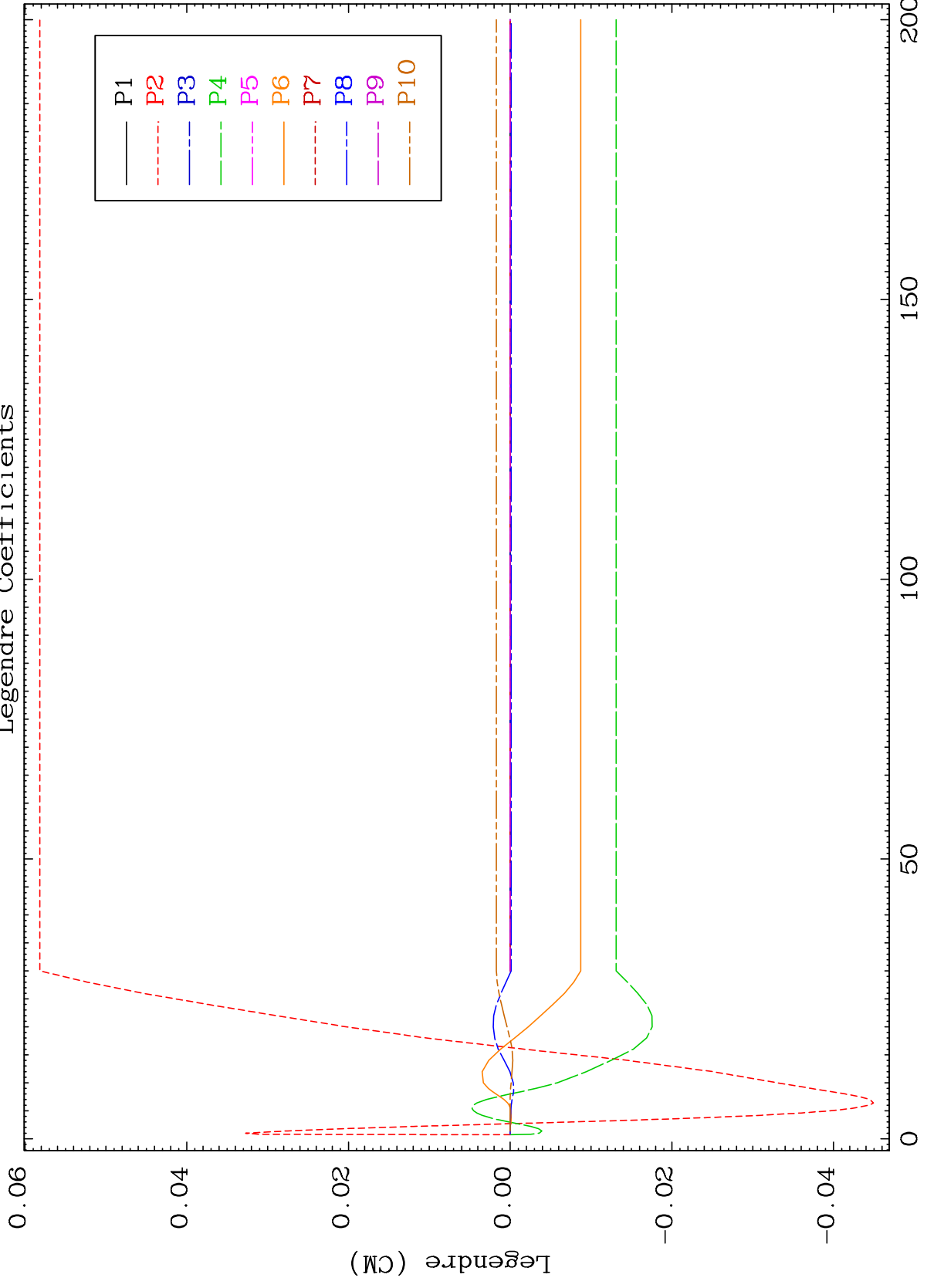


61

Incident Energy (MeV)

79-Au-189

MAT 7901 MT= 64 (n,n') Level Legendre Coefficients 79-Au-189

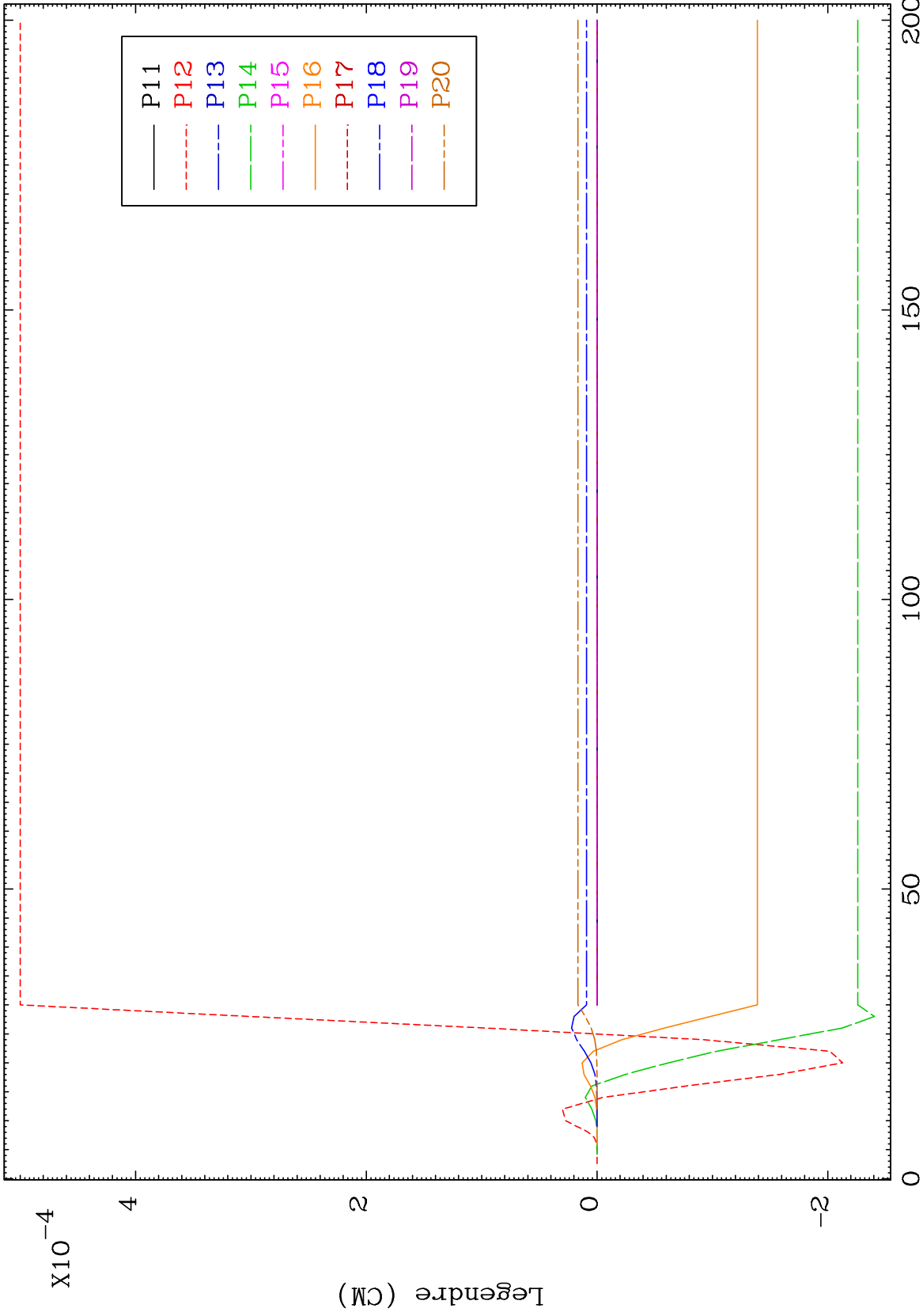


62 79-Au-189

MAT 7901

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

79-Au-189



63

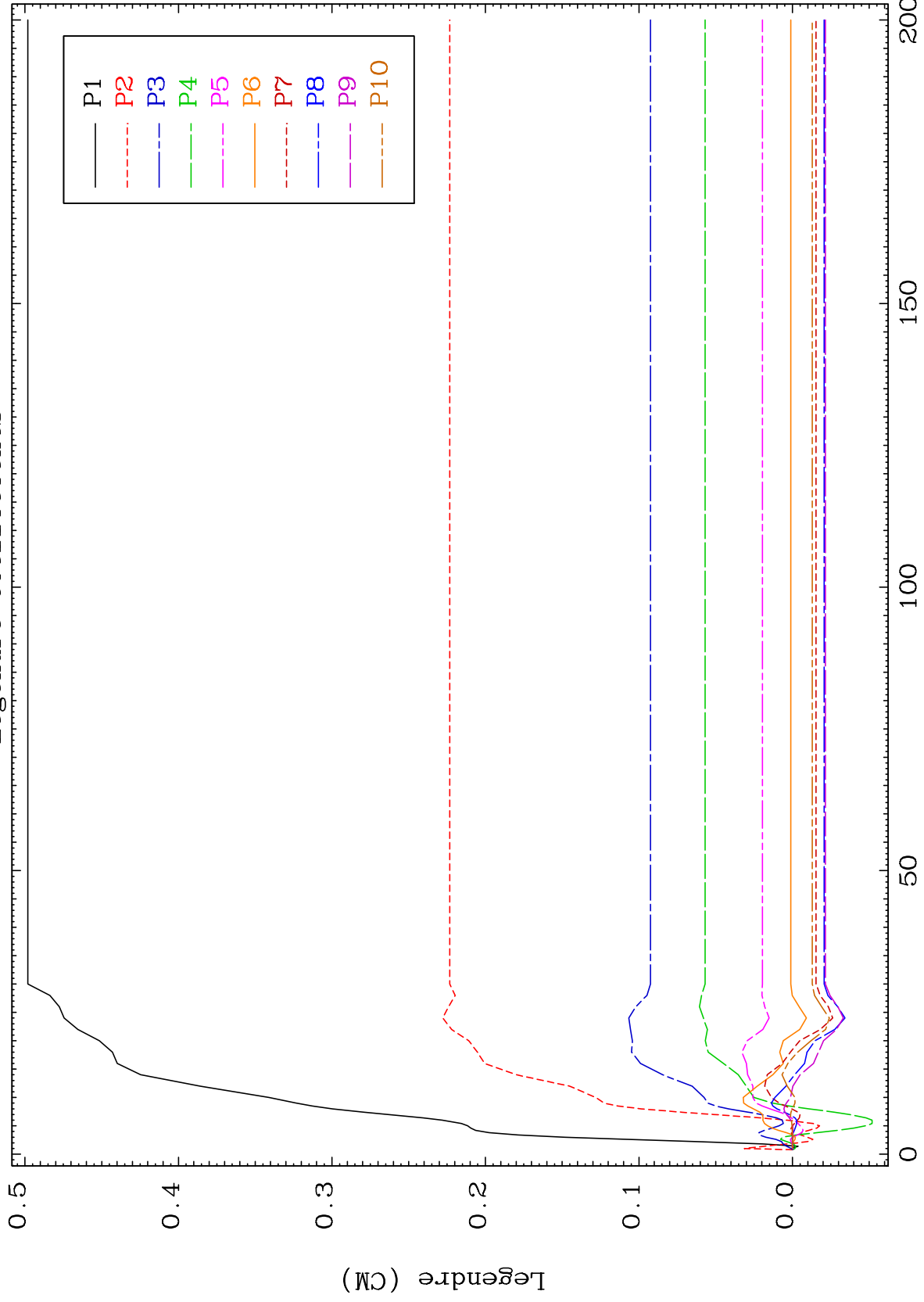
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



65

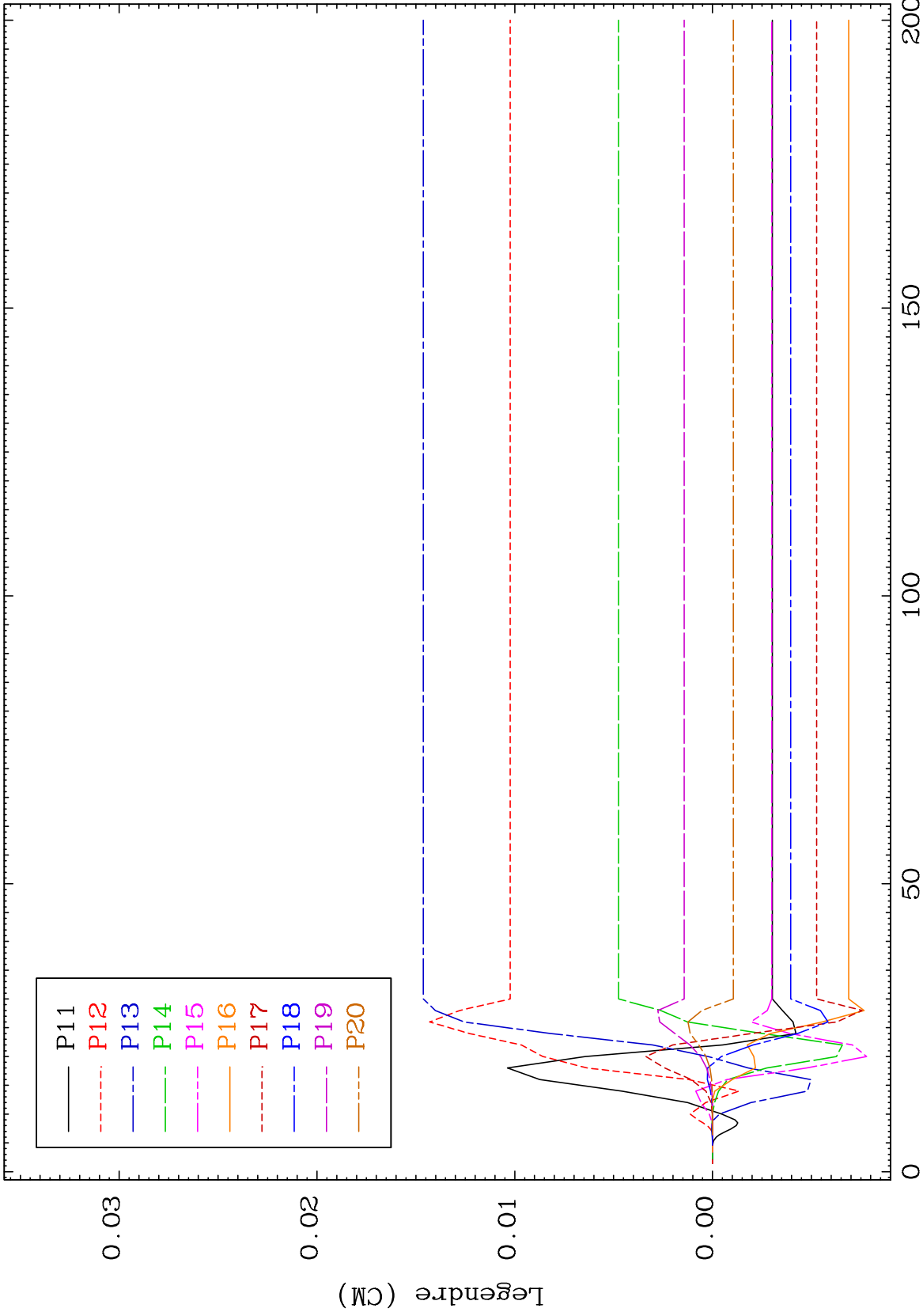
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



66

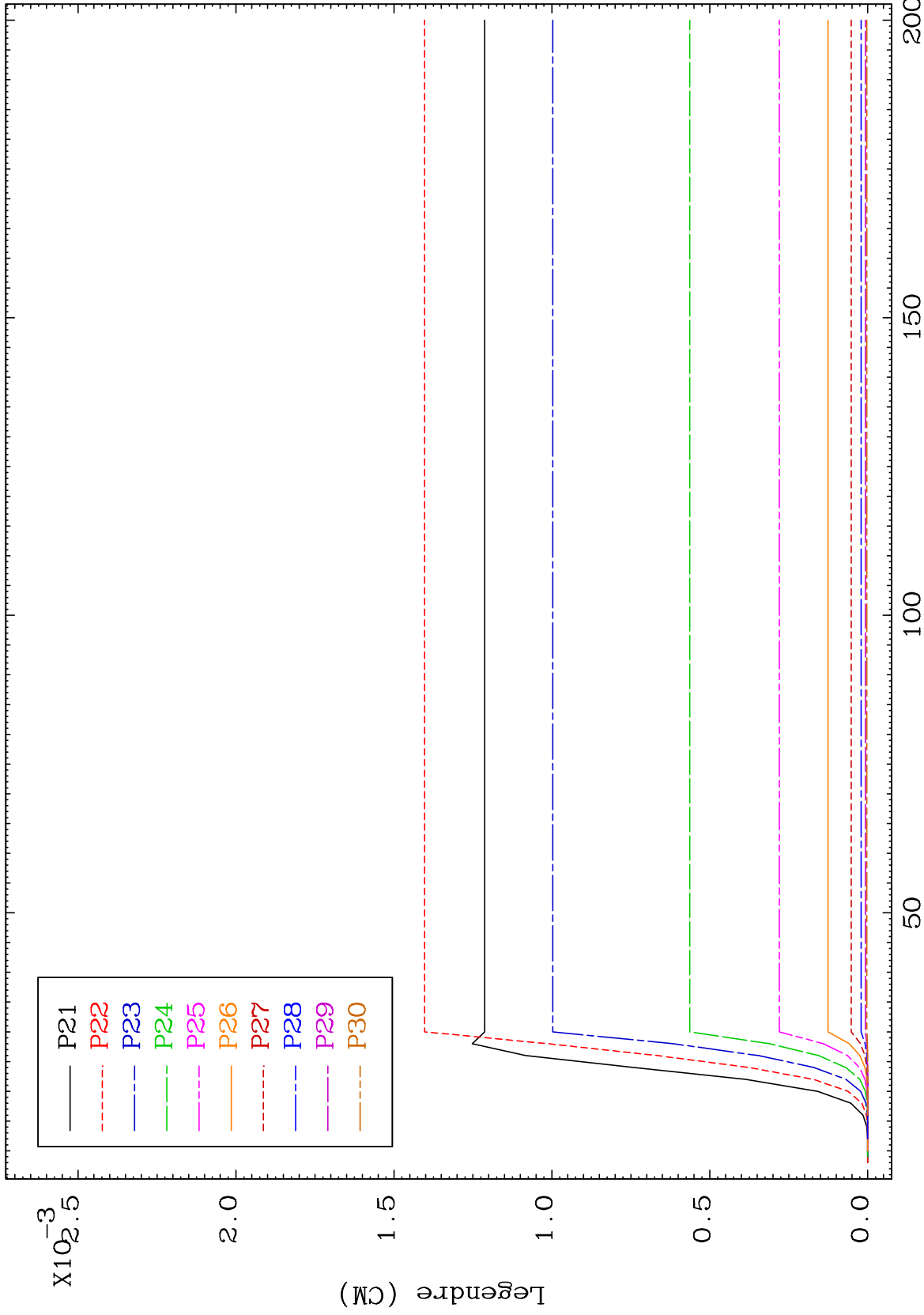
Incident Energy (MeV)

79-Au-189

MAT 7901

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

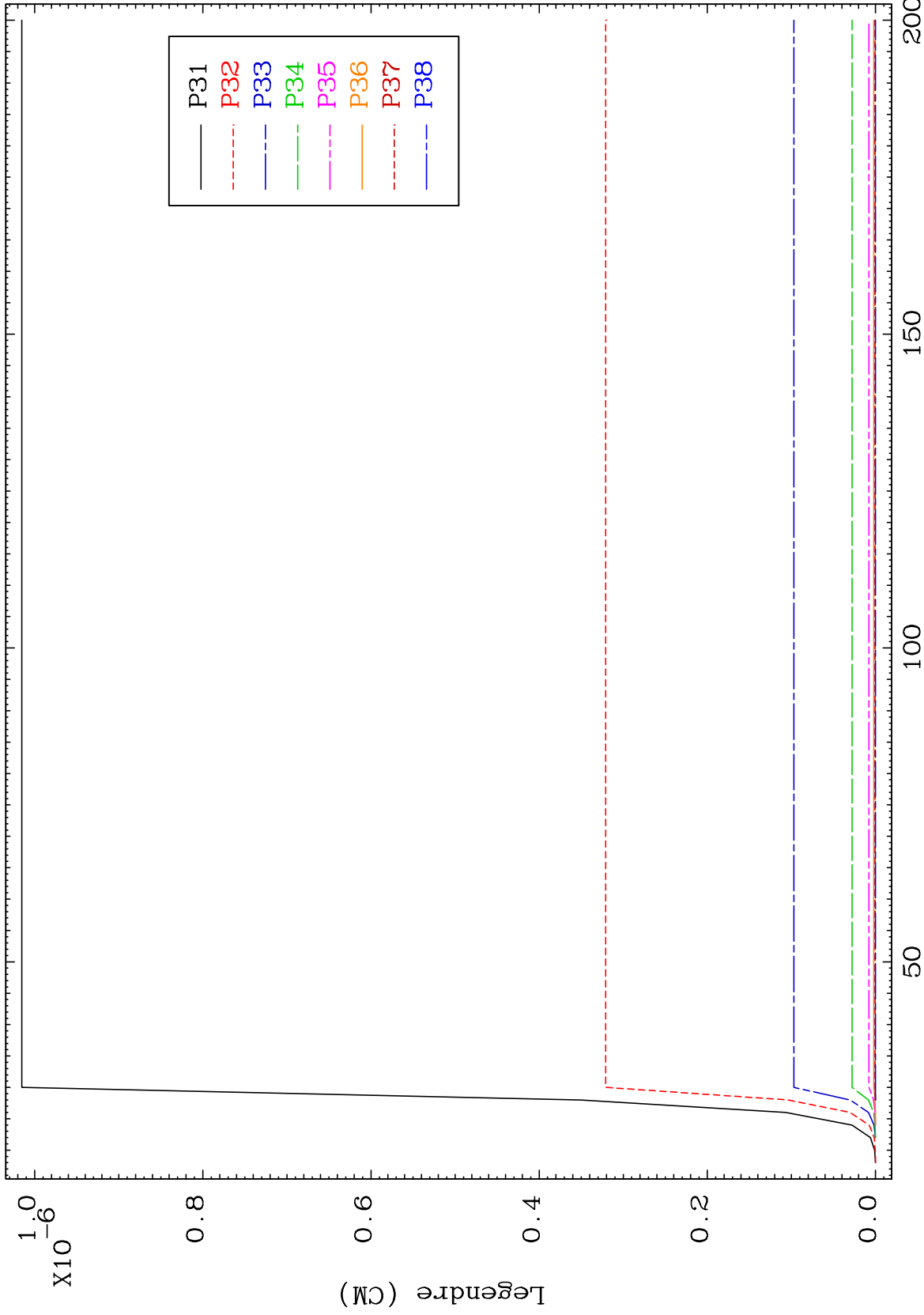
79-Au-189



MAT 7901

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

79-Au-189



68

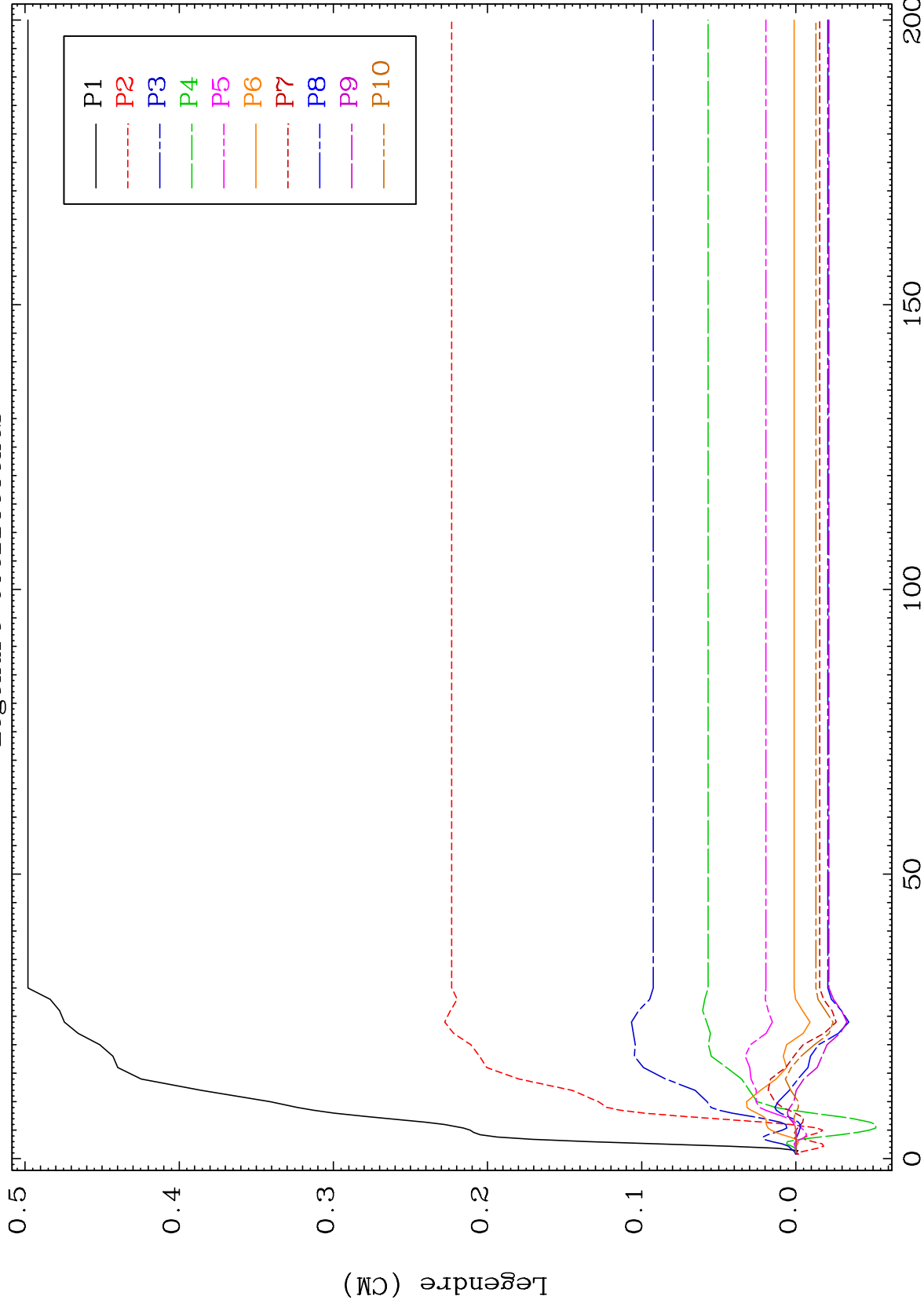
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



69

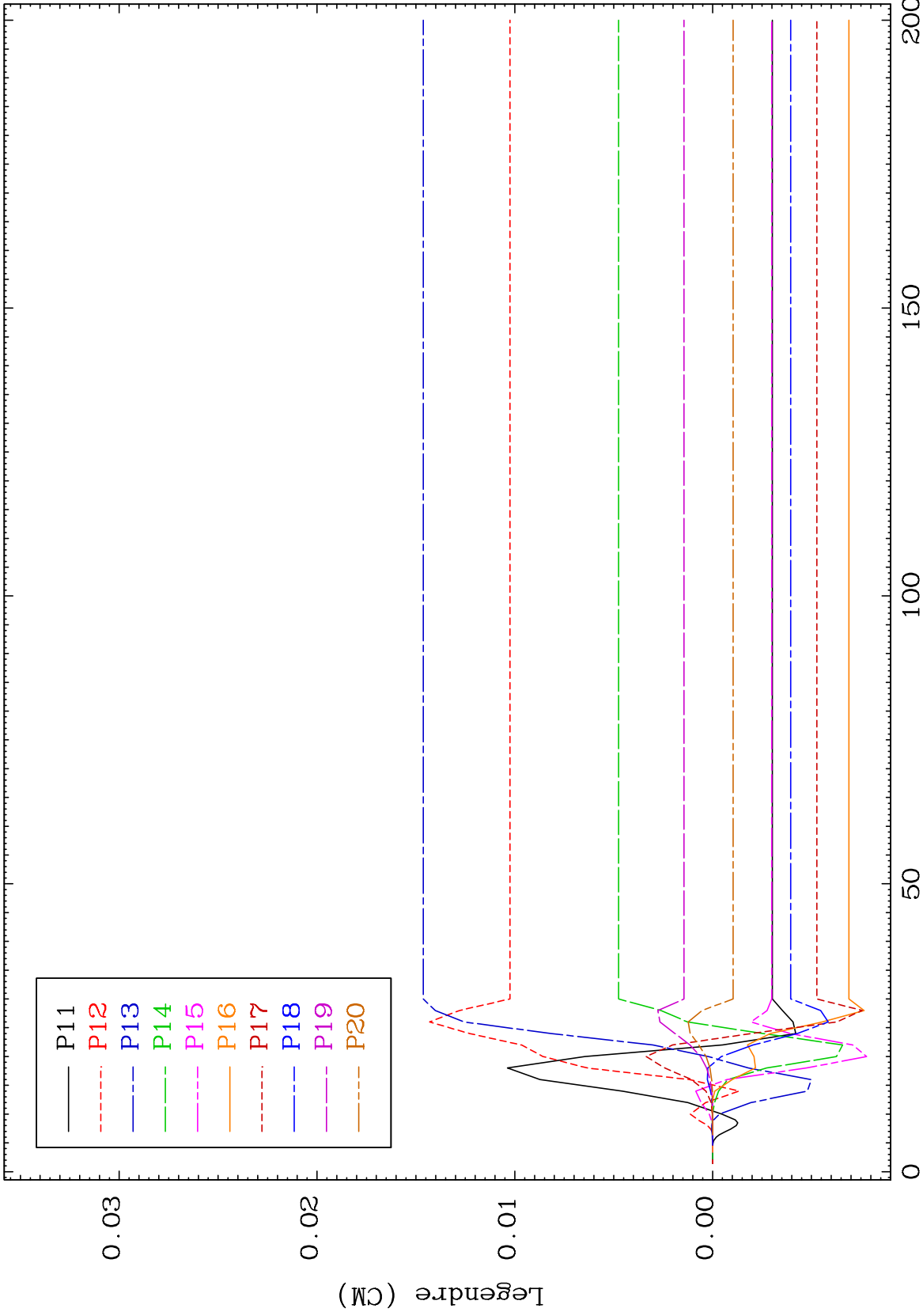
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



70

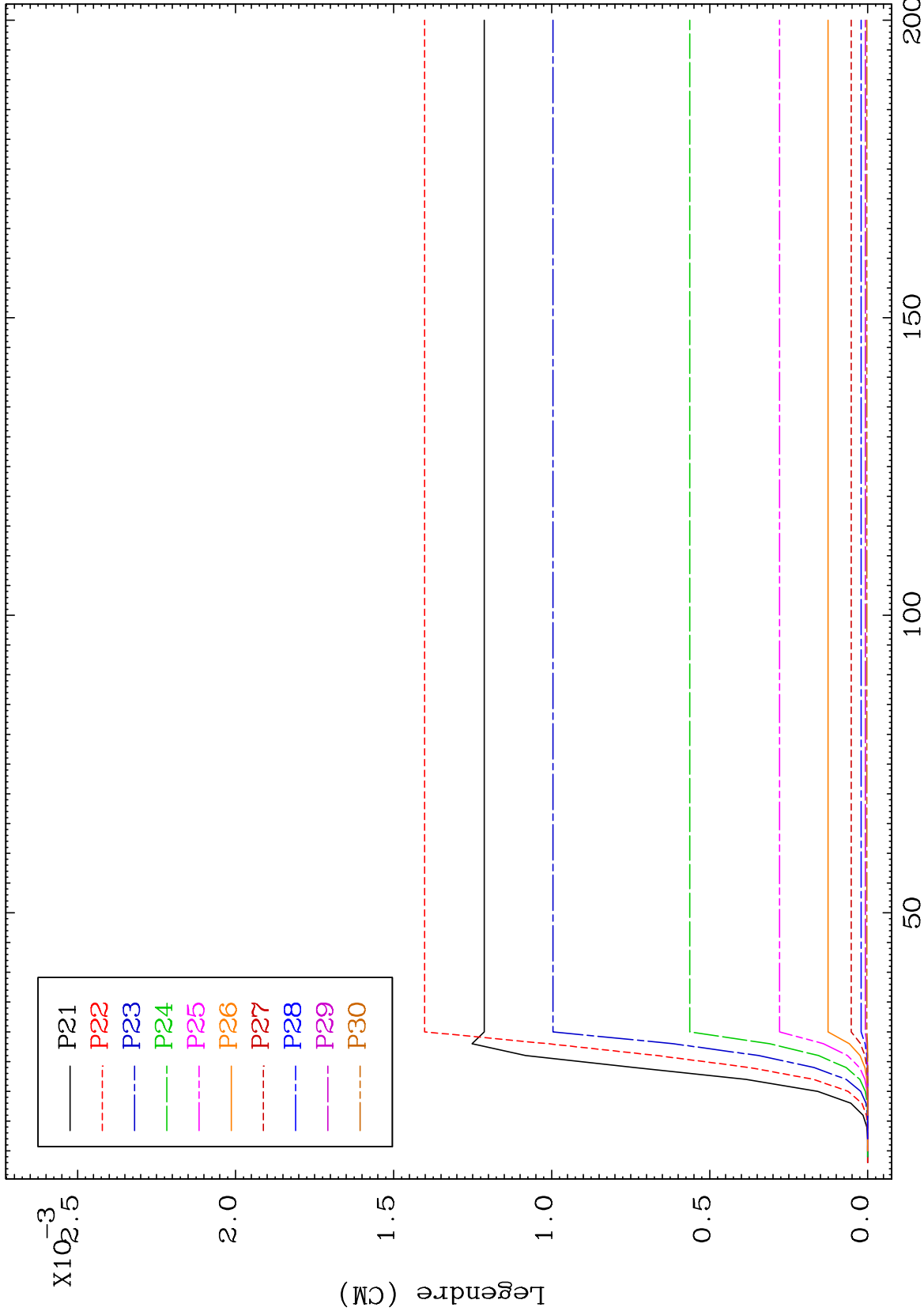
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



71

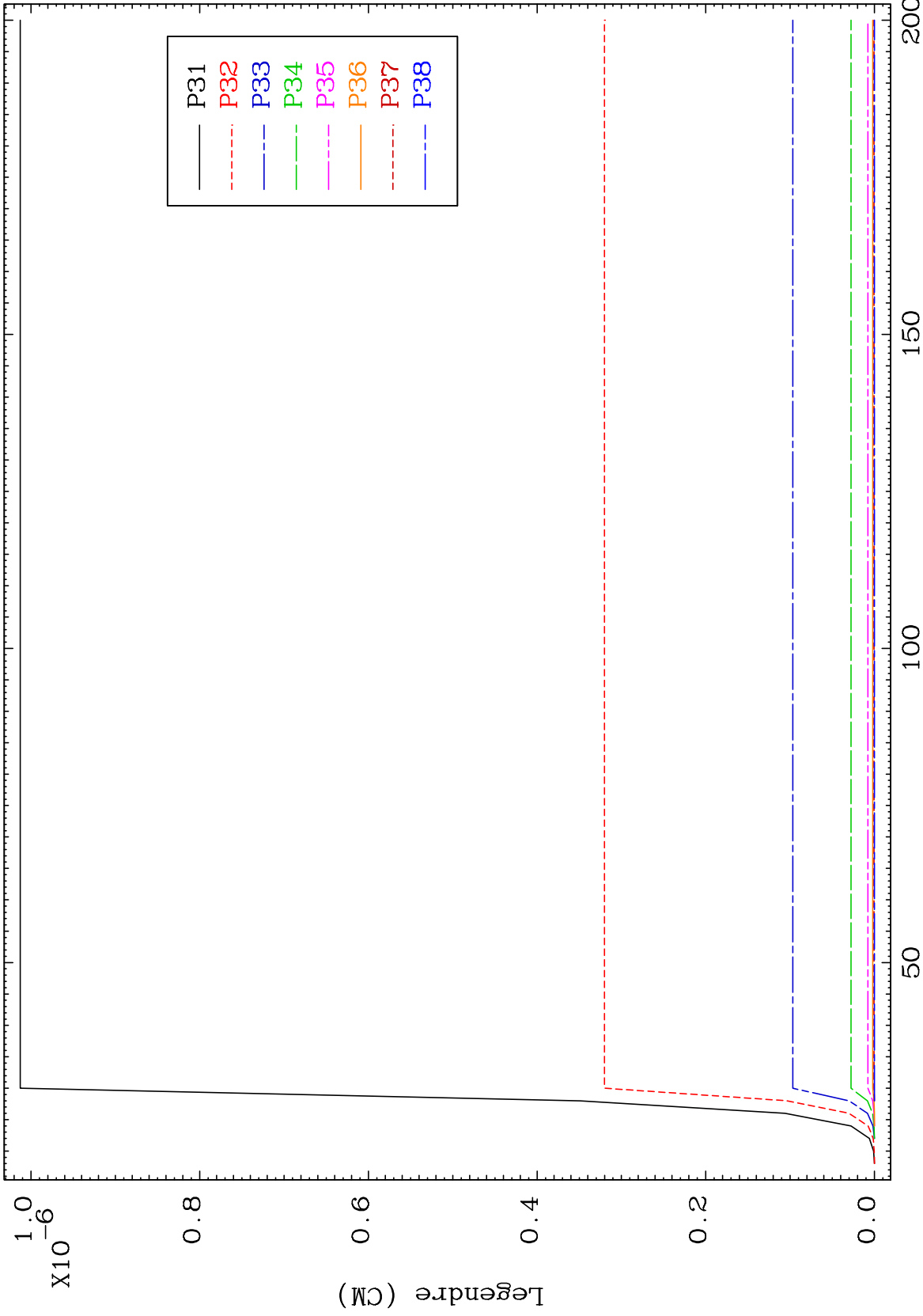
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



72

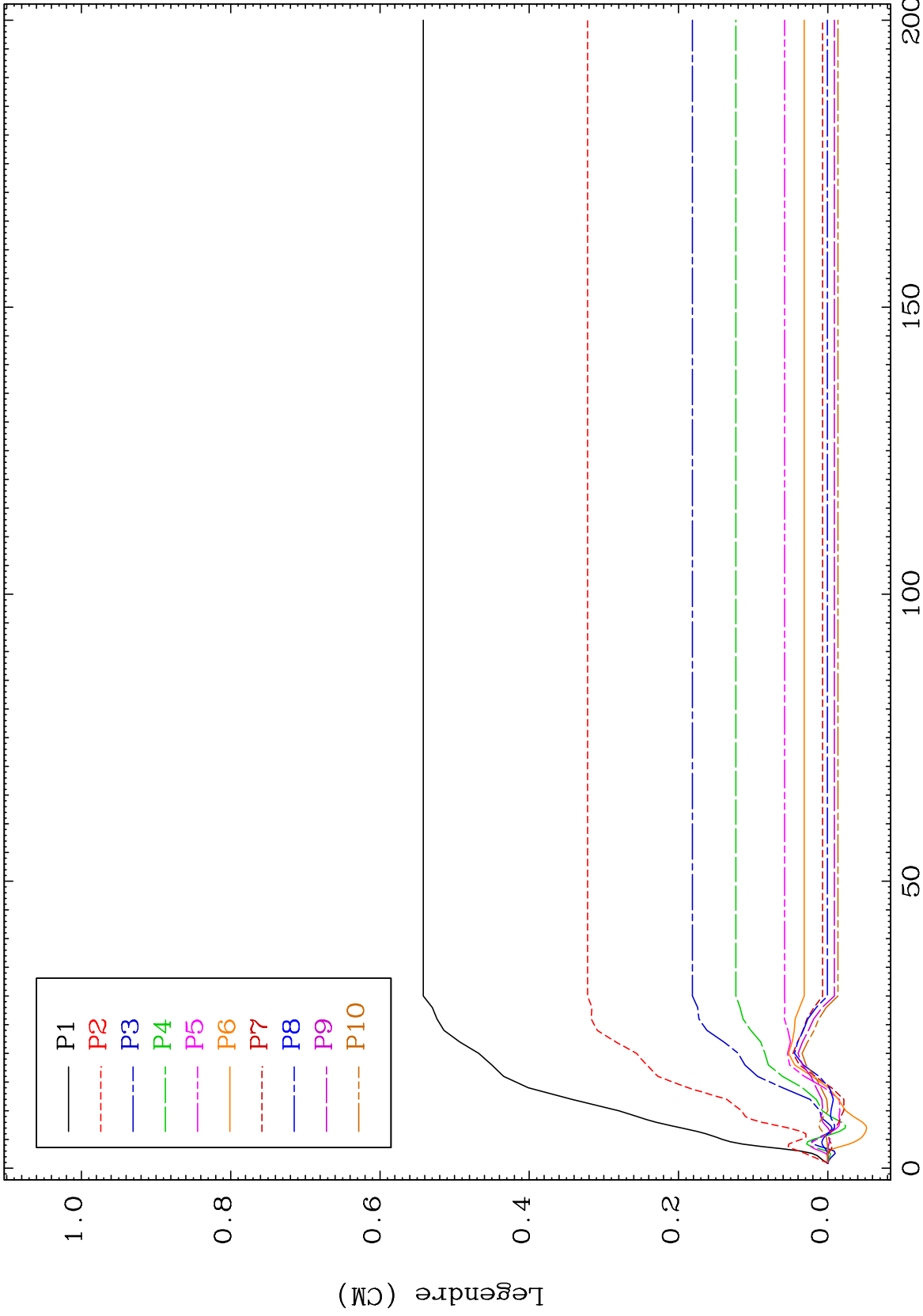
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189

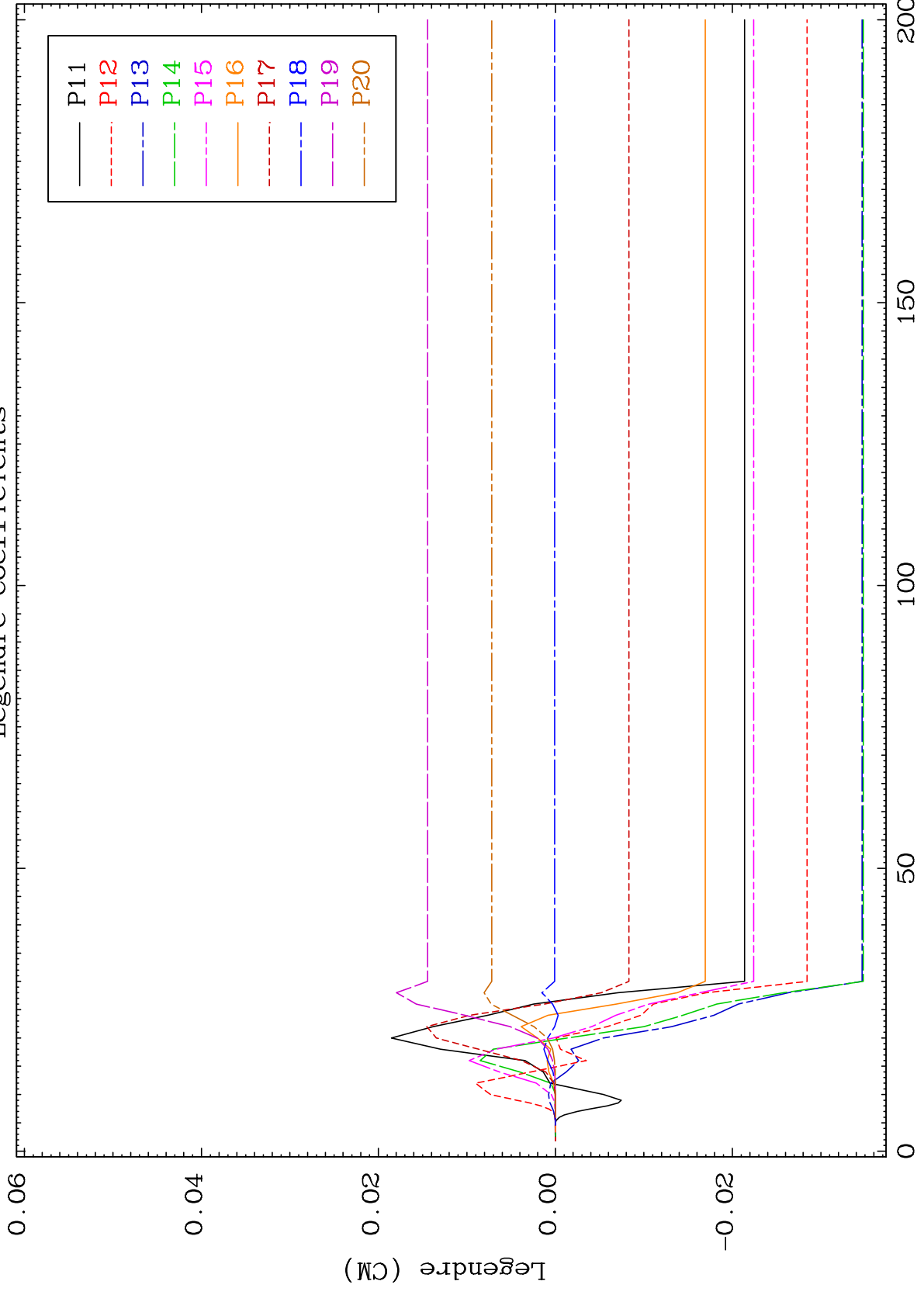


73

Incident Energy (MeV)

79-Au-189

MAT 7901 MT= 67 (n,n') Level Legendre Coefficients 79-Au-189



79-Au-189

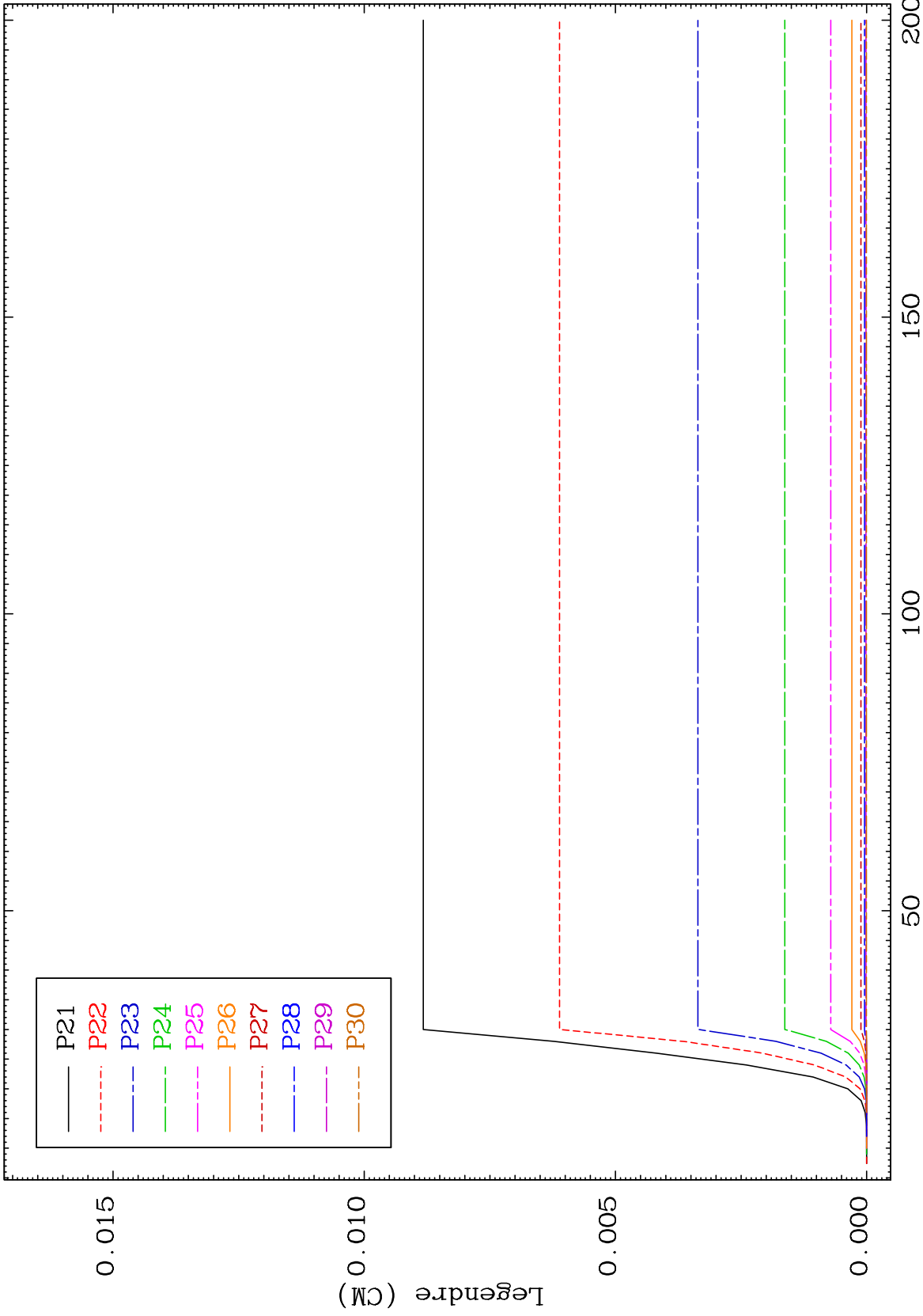
Incident Energy (MeV)

74

MAT 7901

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

79-Au-189



75

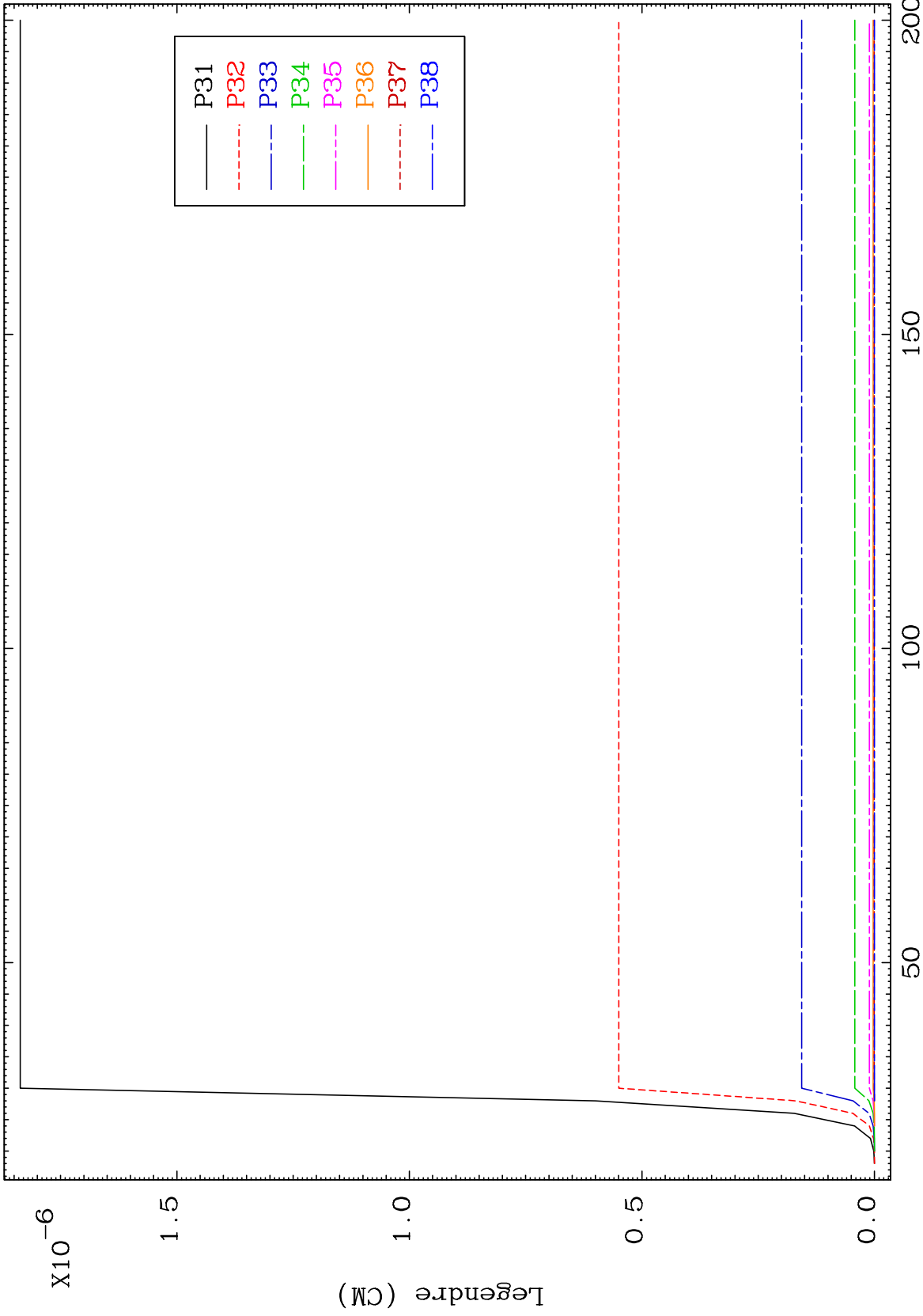
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189

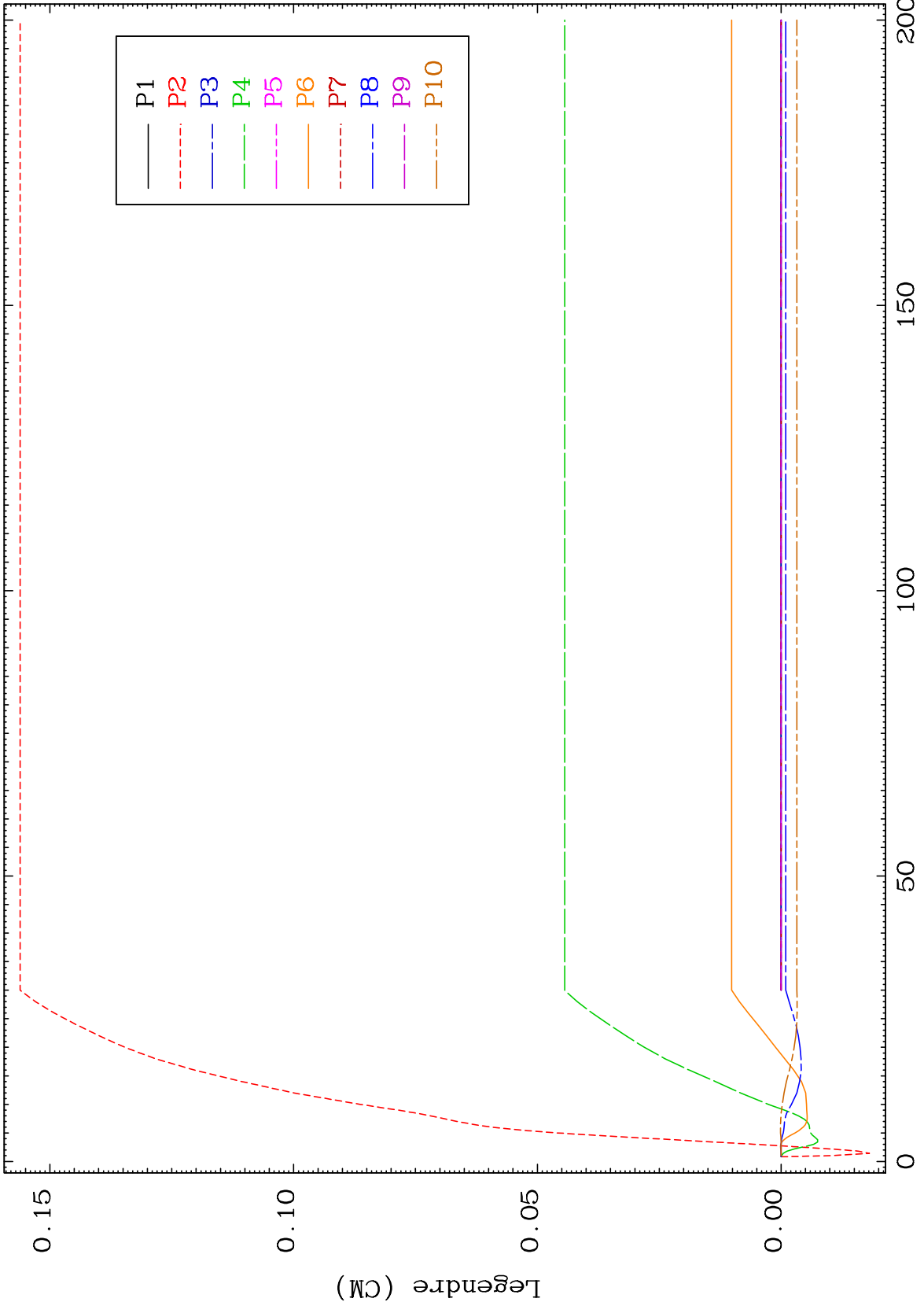


76

Incident Energy (MeV)

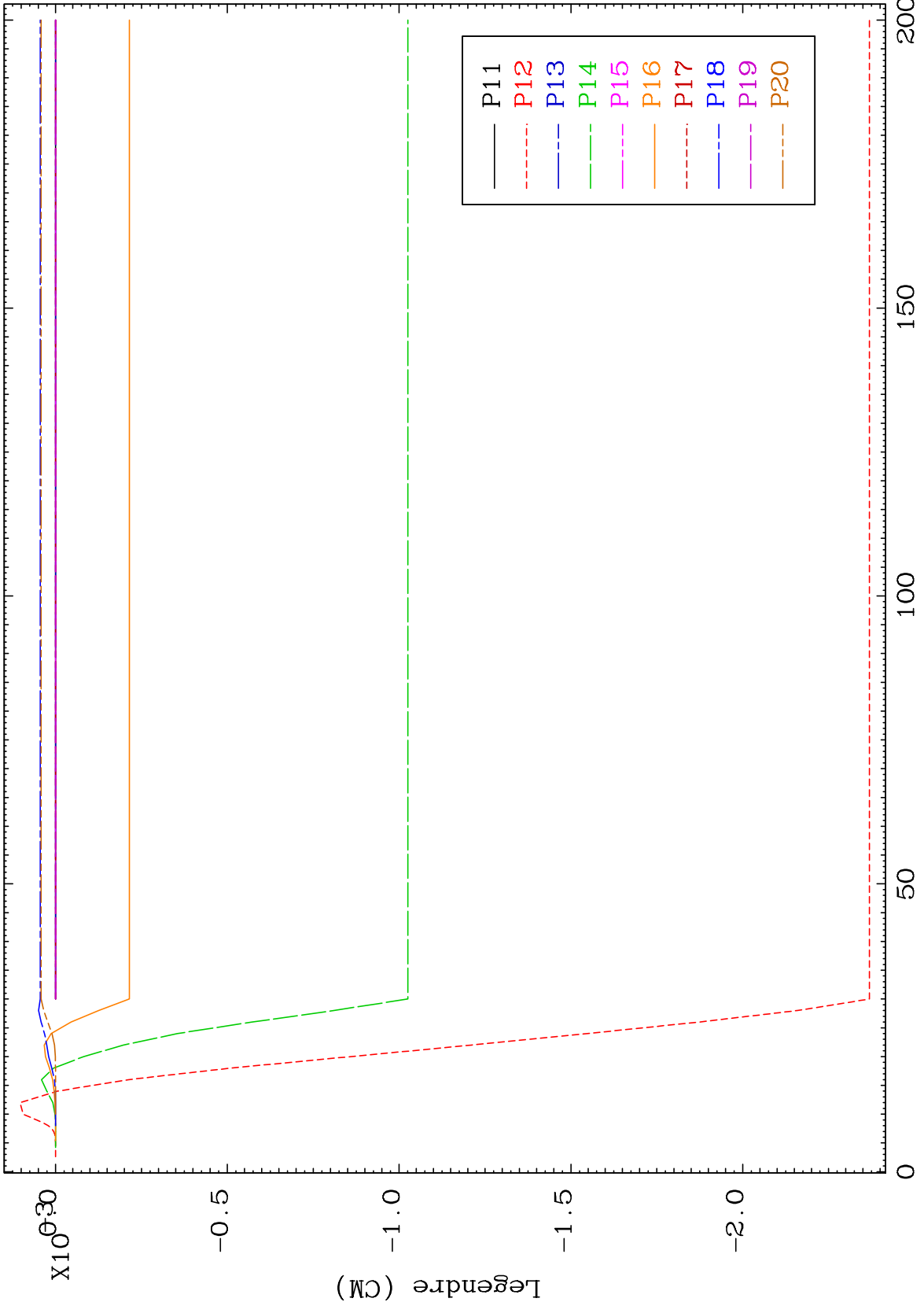
79-Au-189

MAT 7901 MT= 68 (n,n') Level Legendre Coefficients 79-Au-189



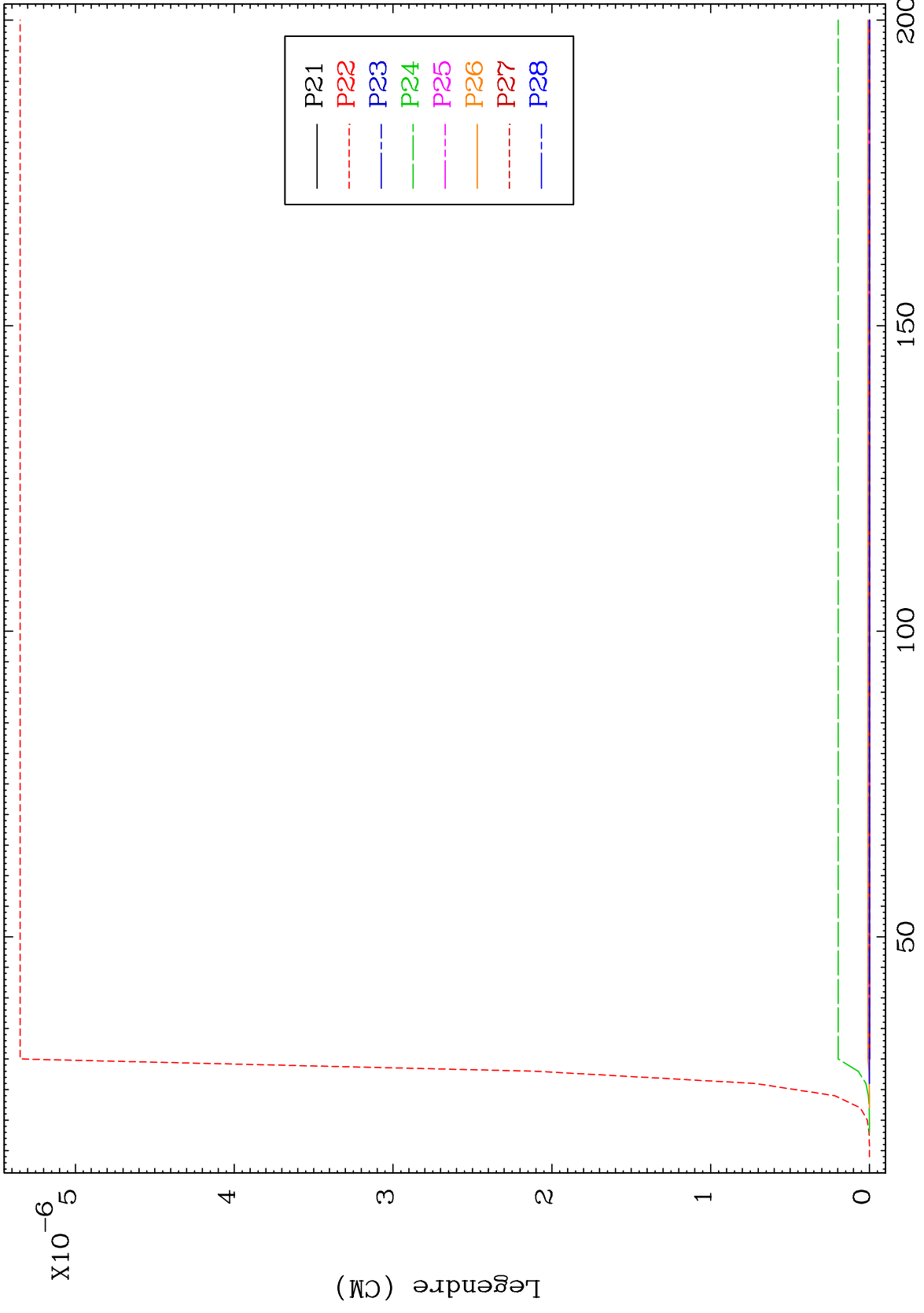
77 79-Au-189

MAT 7901 MT= 68 (n,n') Level Legendre Coefficients 79-Au-189



78 79-Au-189

MAT 7901 MT= 68 (n,n') Level Legendre Coefficients 79-Au-189

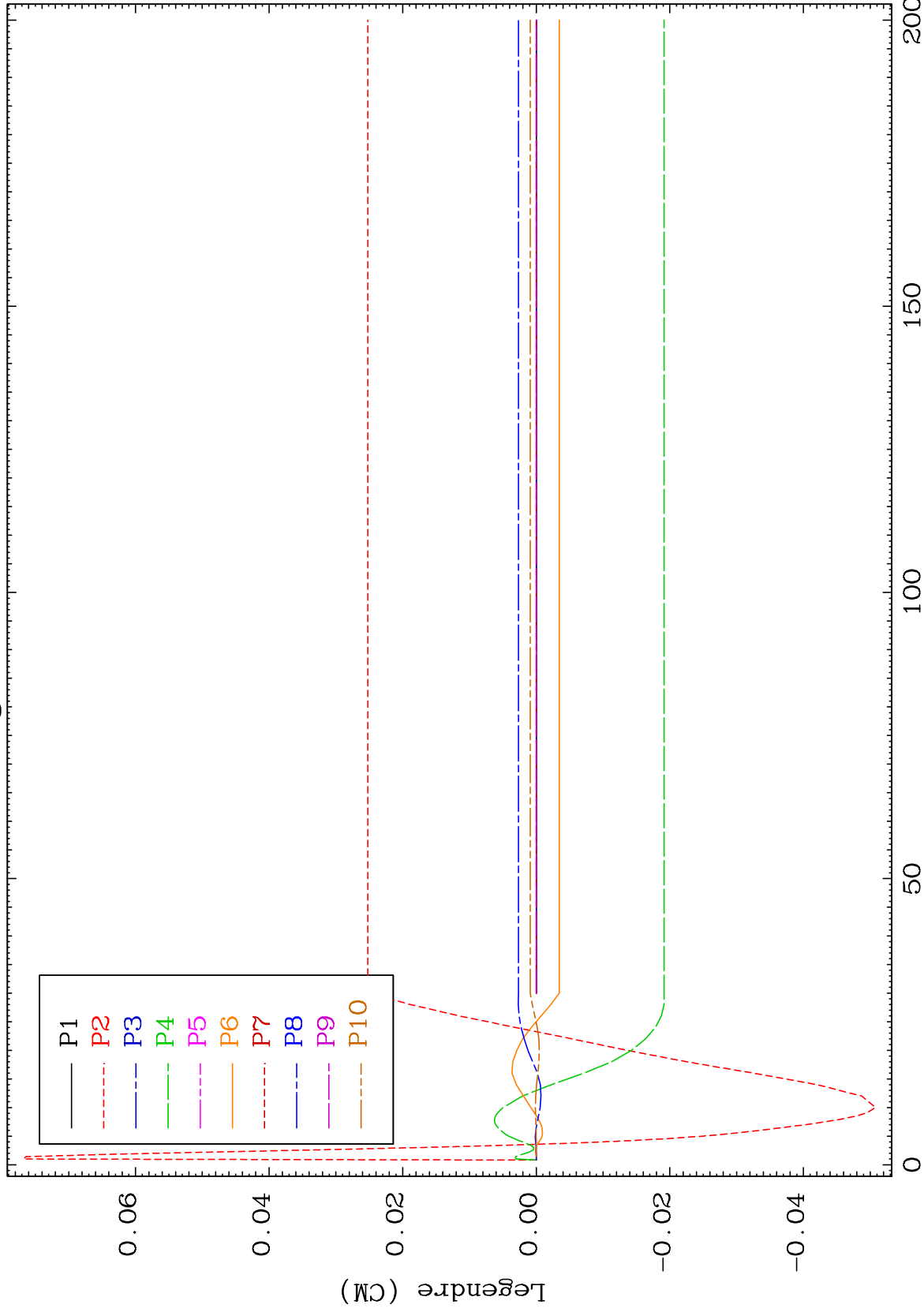


79-Au-189

MAT 7901

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

79-Au-189



80

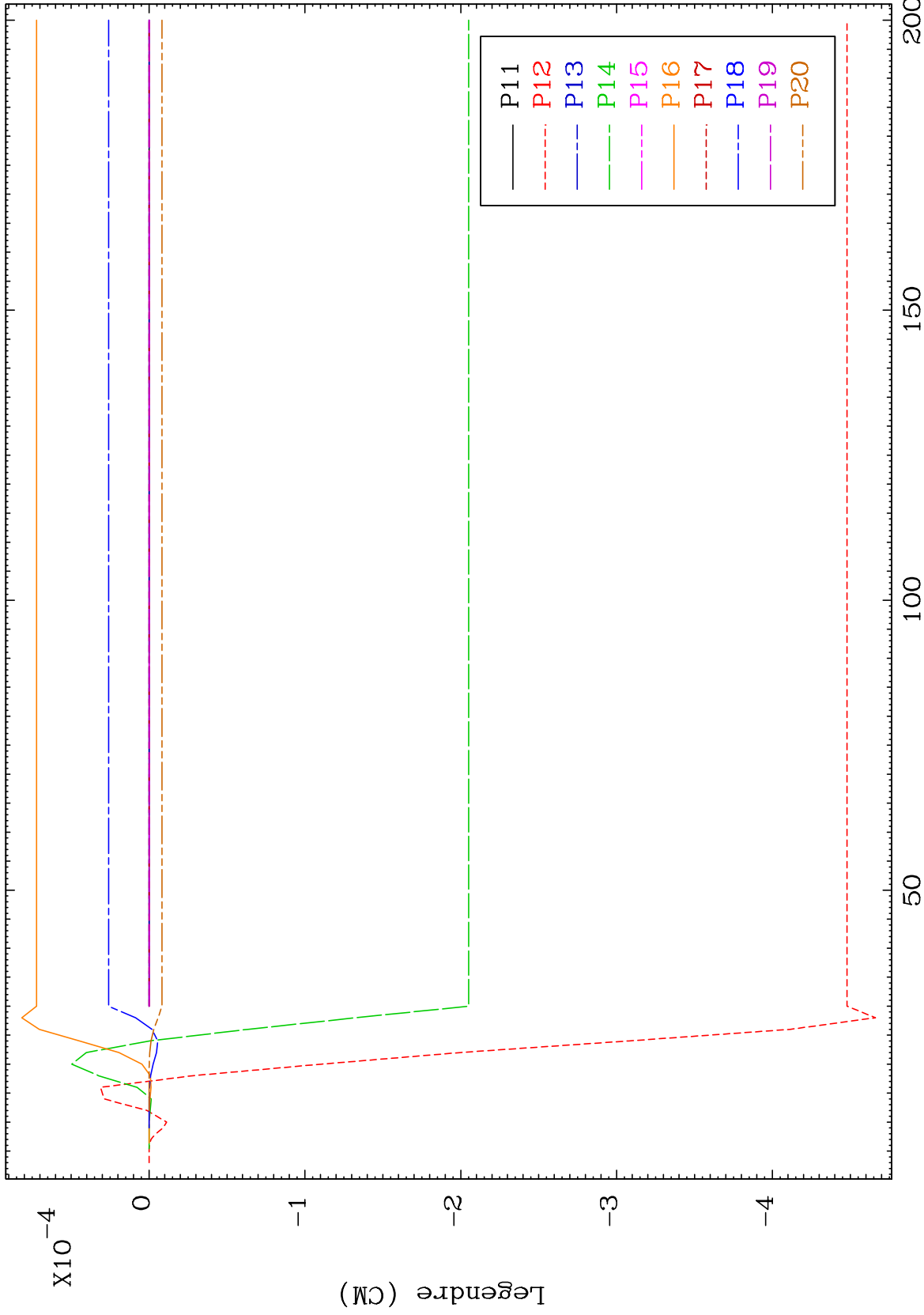
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



81

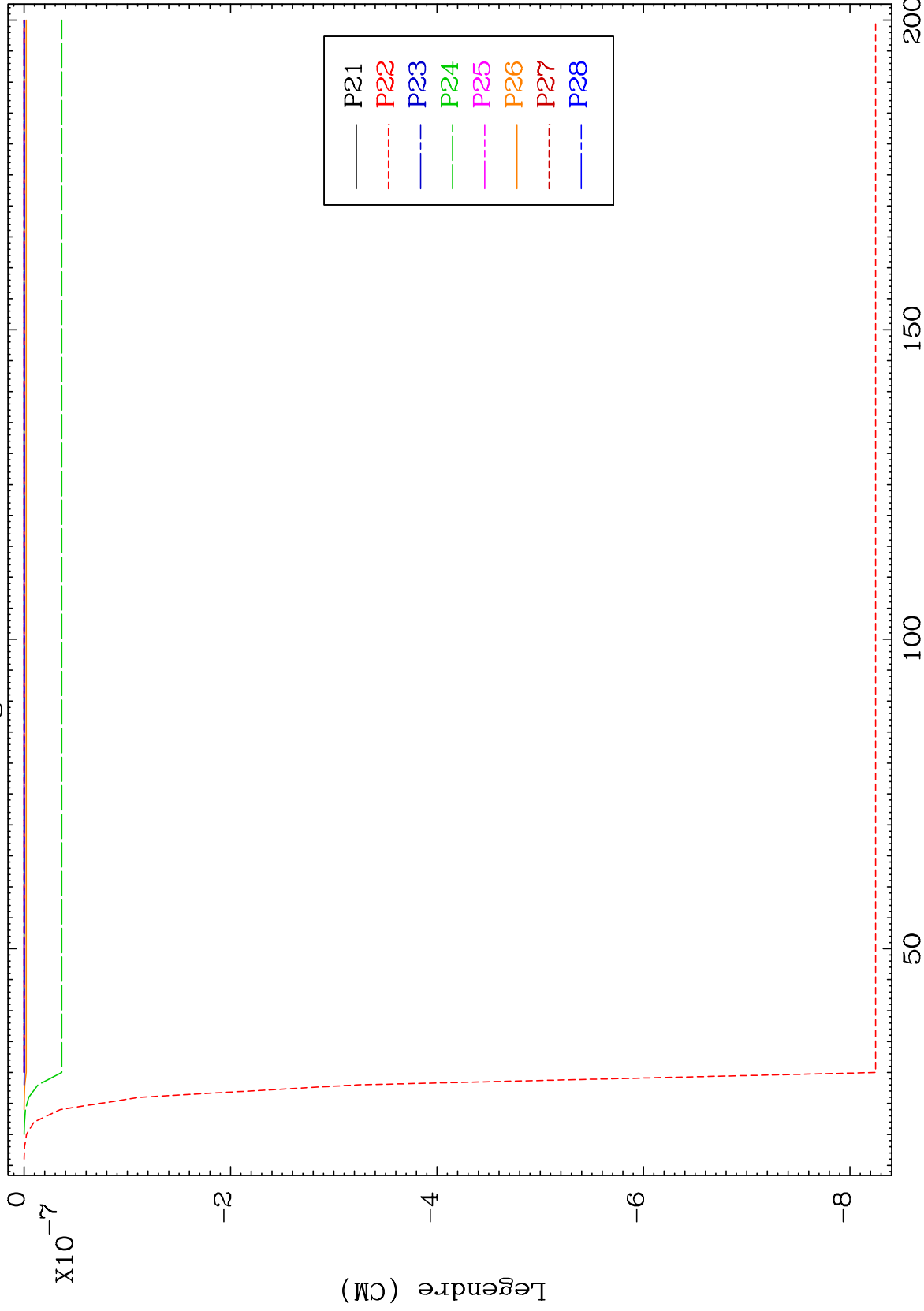
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189

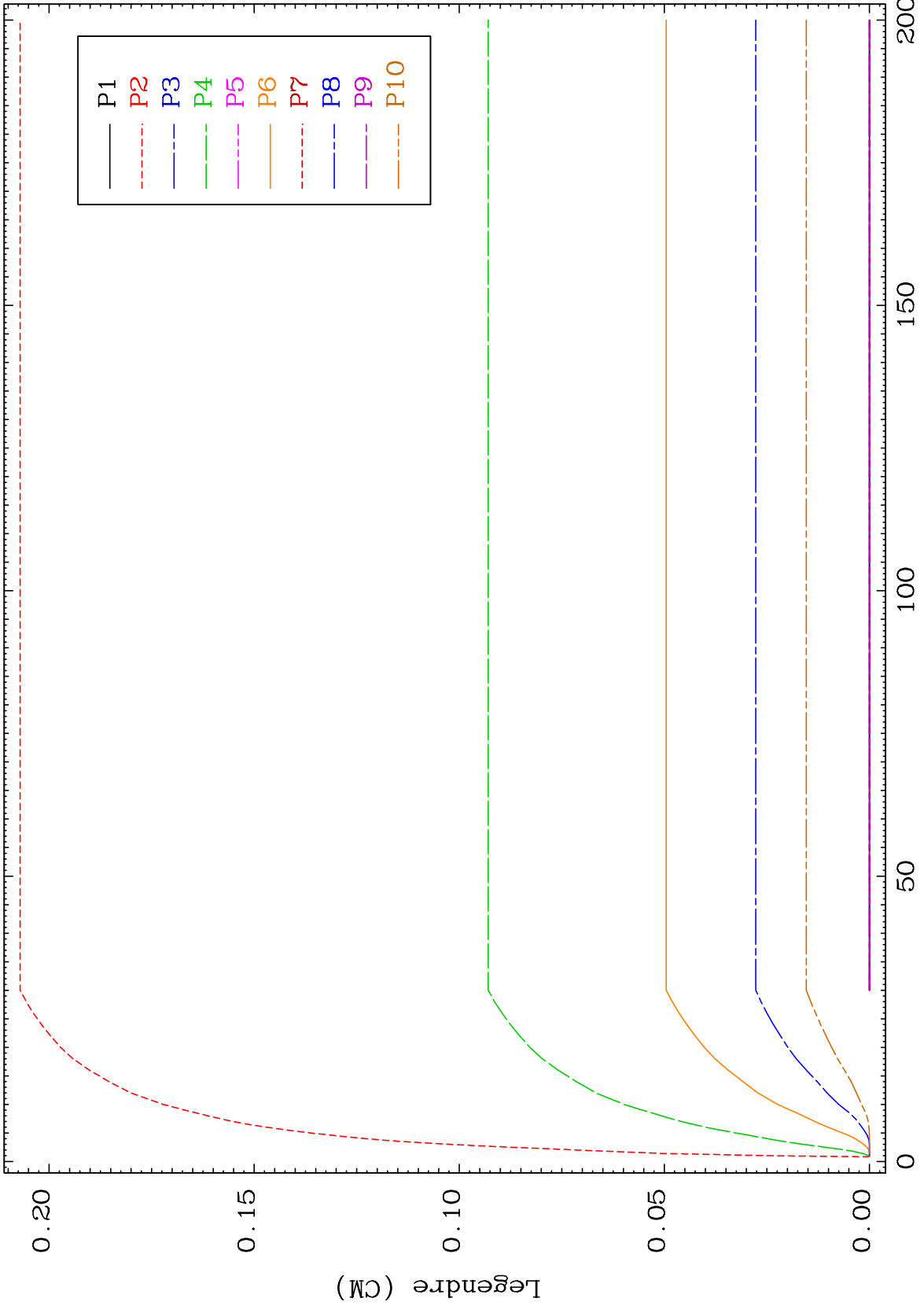


82

Incident Energy (MeV)

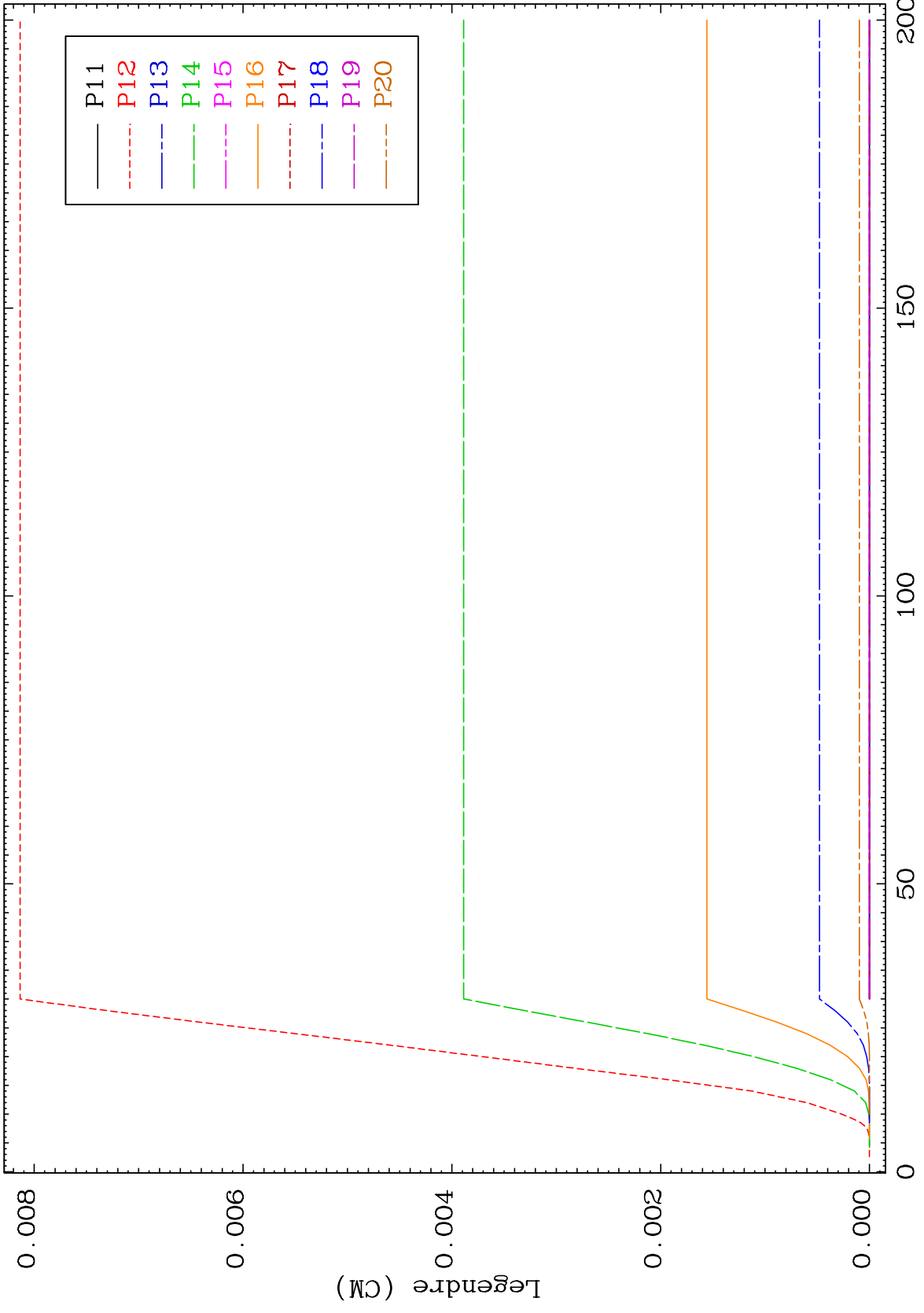
79-Au-189

MAT 7901 MT= 70 (n,n') Level Legendre Coefficients 79-Au-189



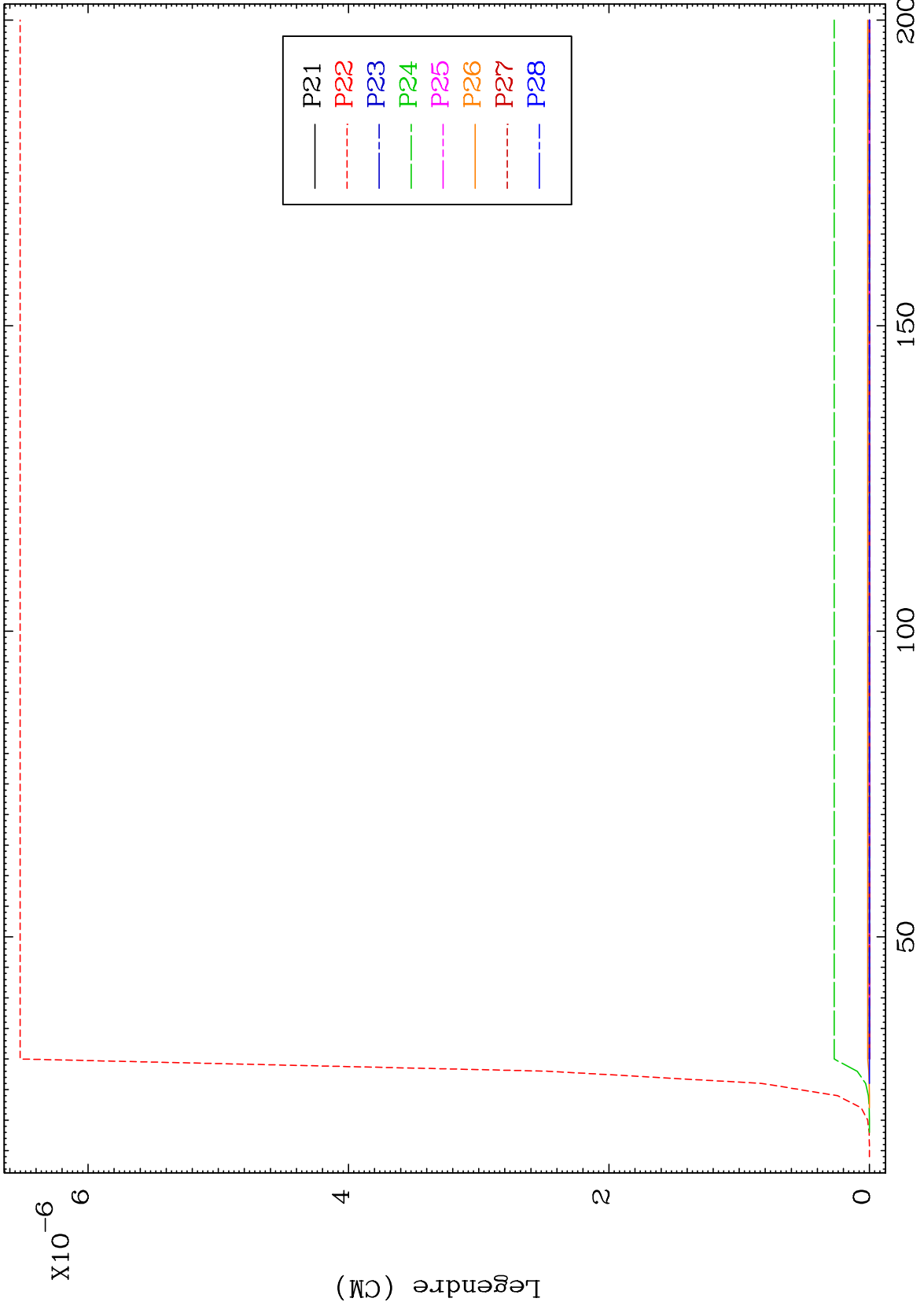
83 79-Au-189

MAT 7901 MT= 70 (n,n') Level Legendre Coefficients 79-Au-189



84 79-Au-189

MAT 7901 MT= 70 (n,n') Level Legendre Coefficients 79-Au-189

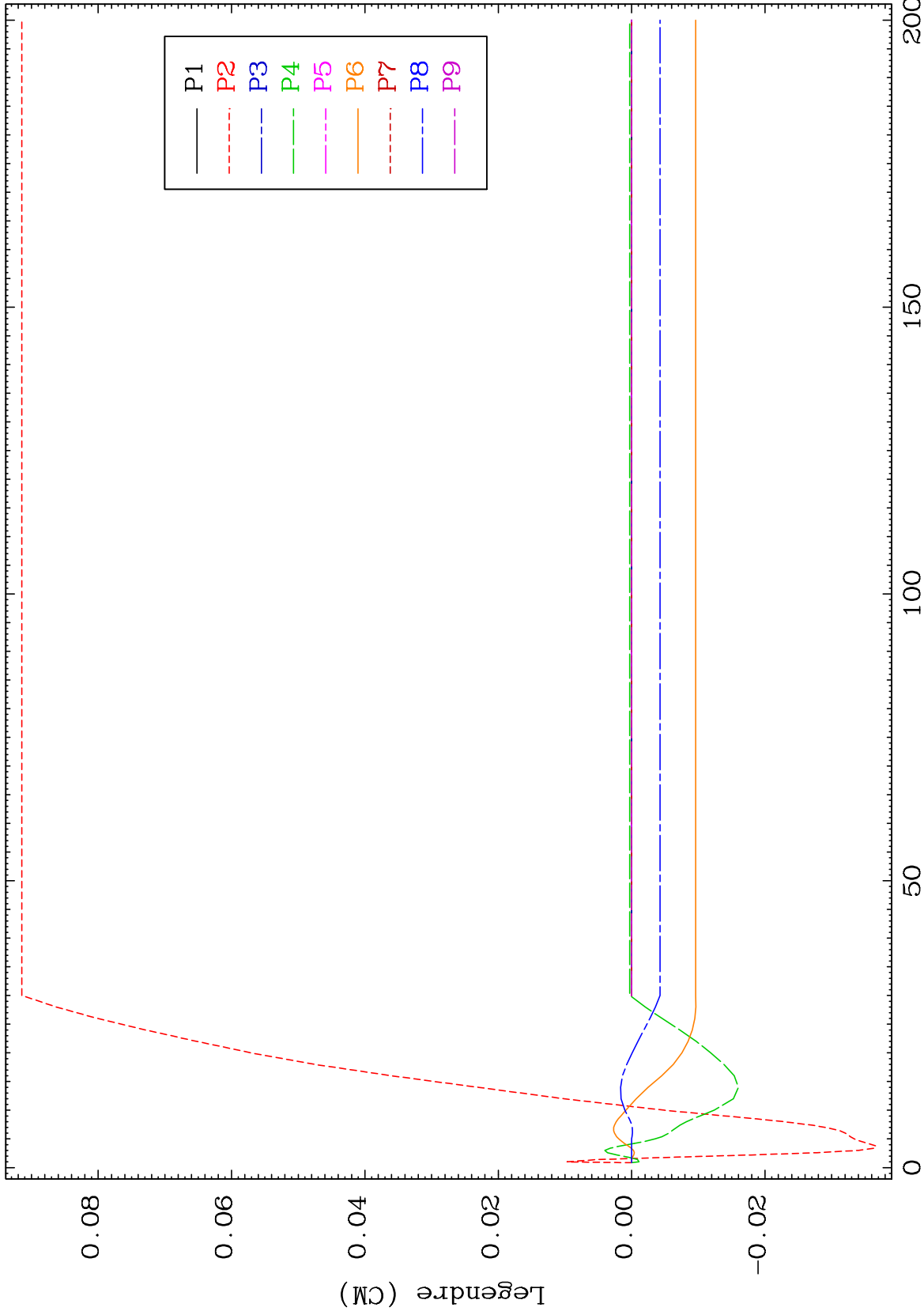


85 Incident Energy (MeV) 79-Au-189

MAT 7901

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

79-Au-189

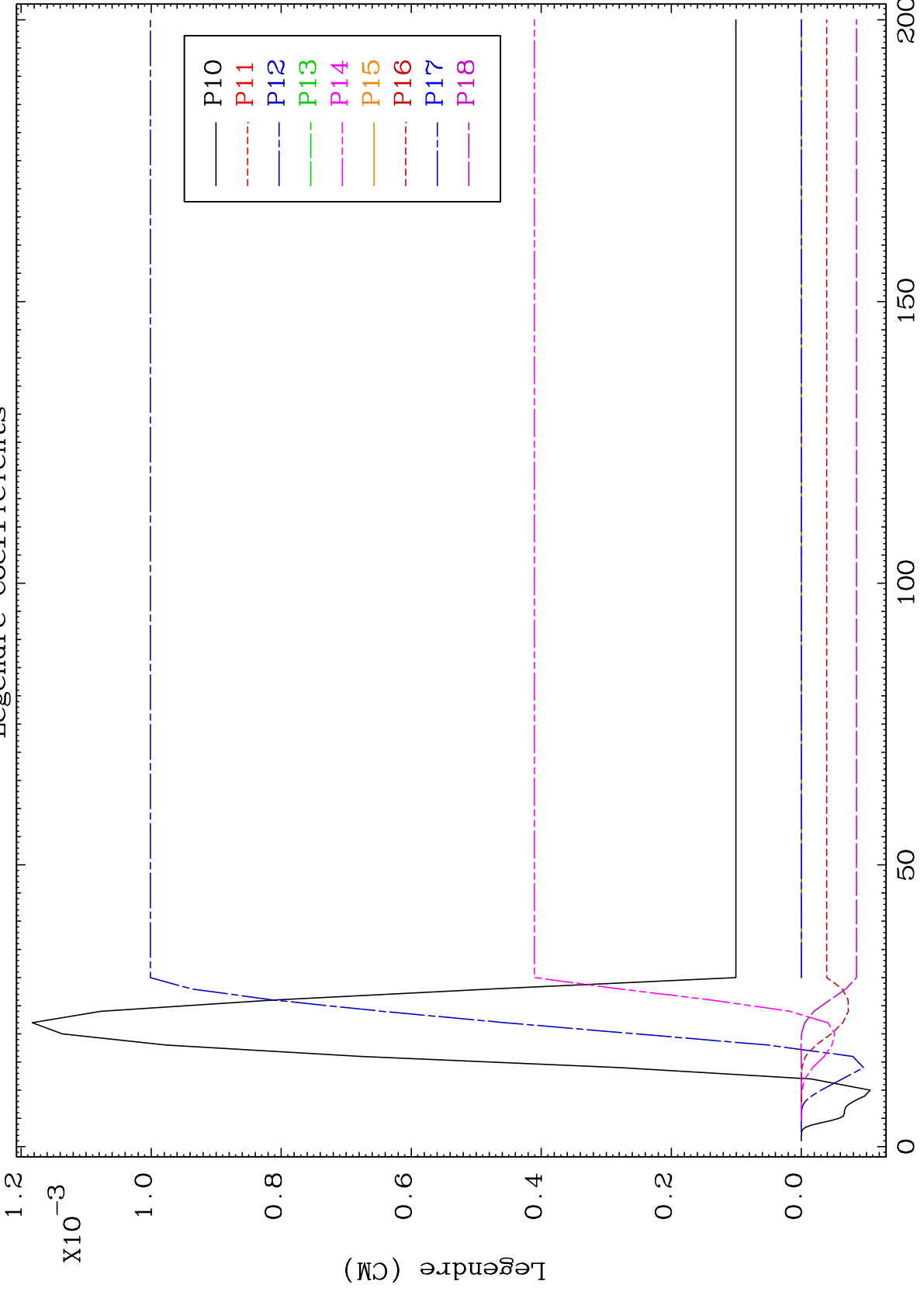


86

Incident Energy (MeV)

79-Au-189

MAT 7901 MT= 71 (n,n') Level Legendre Coefficients 79-Au-189

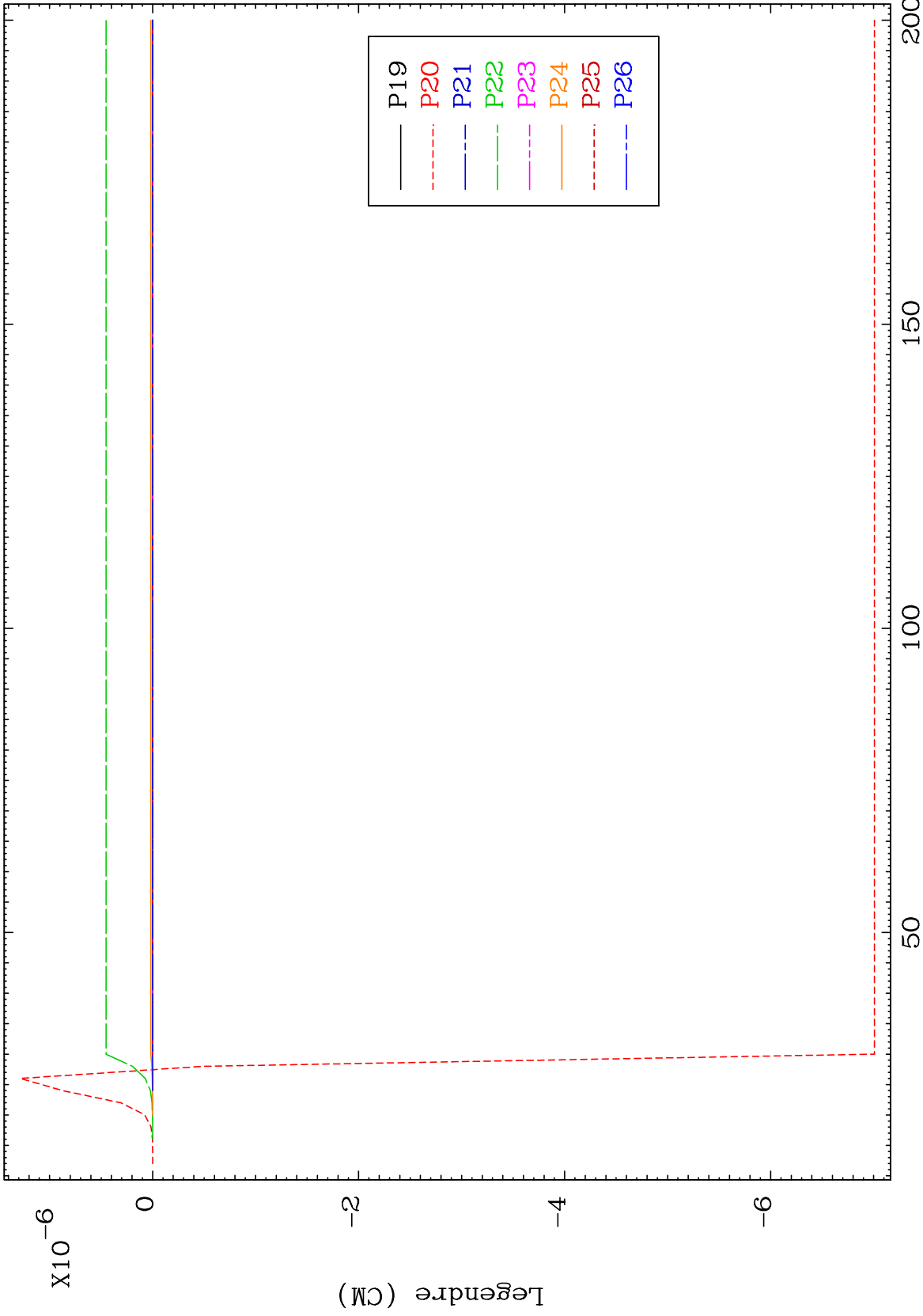


87 79-Au-189

MAT 7901

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

79-Au-189



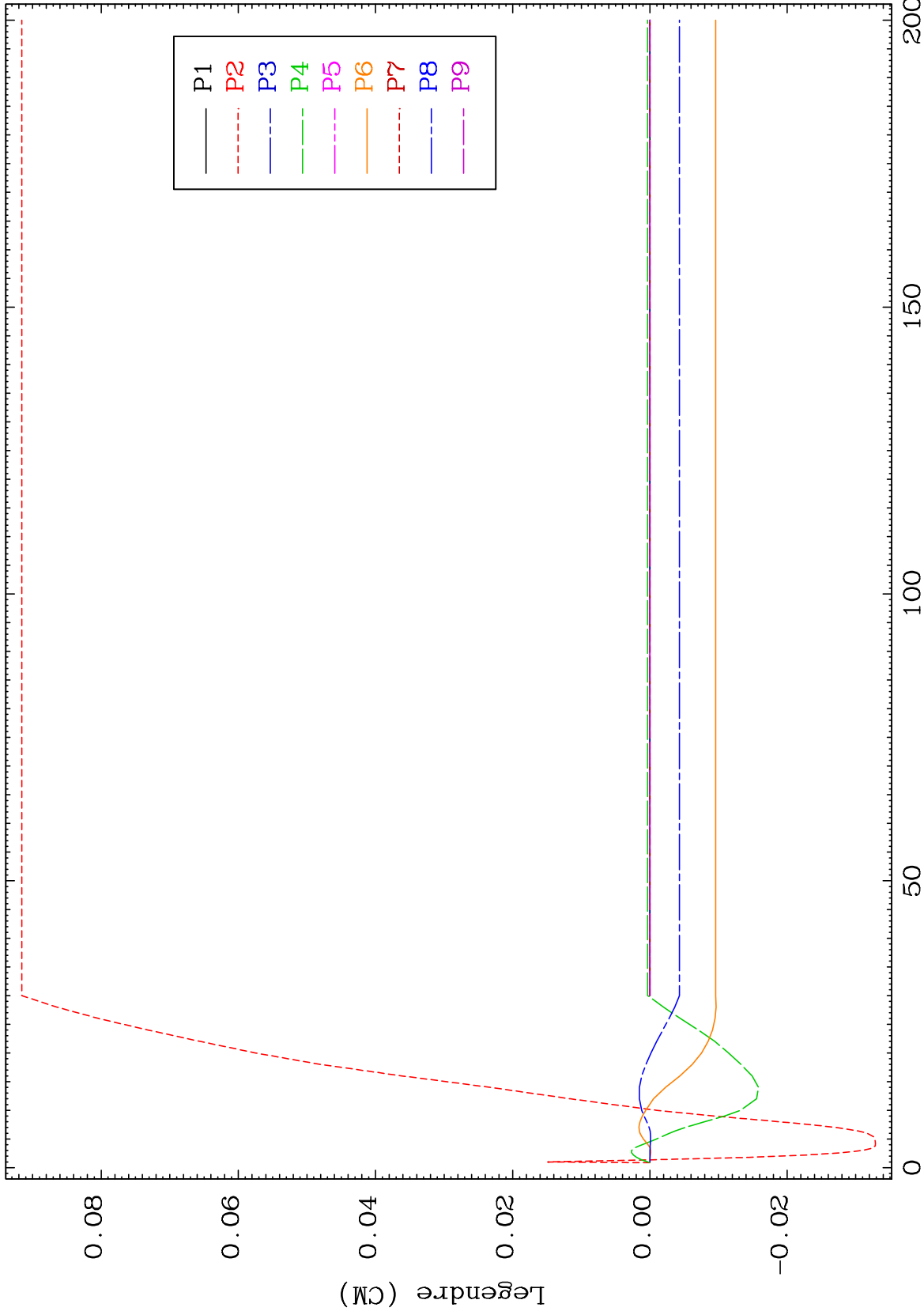
88

79-Au-189

MAT 7901

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

79-Au-189



89

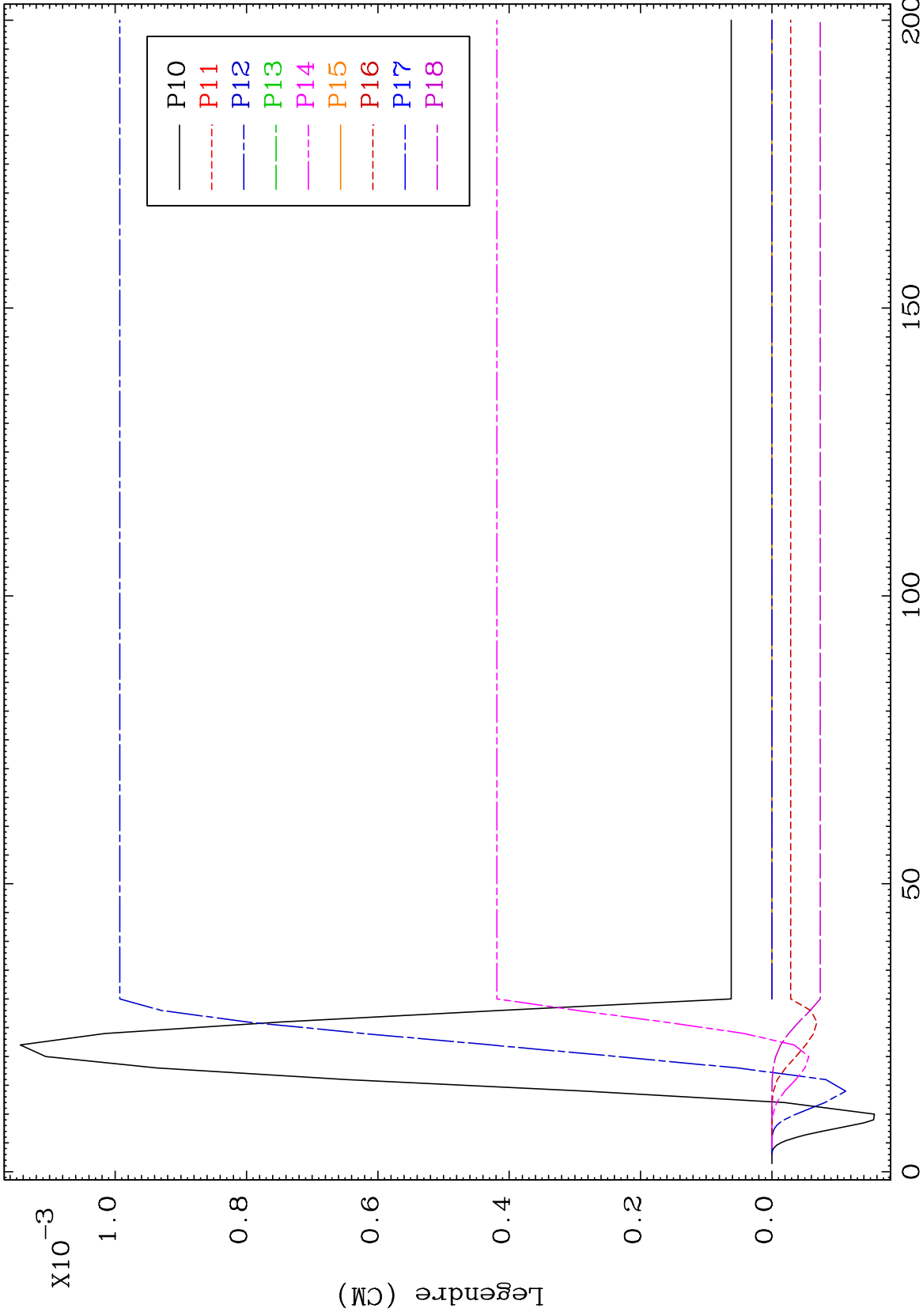
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



90

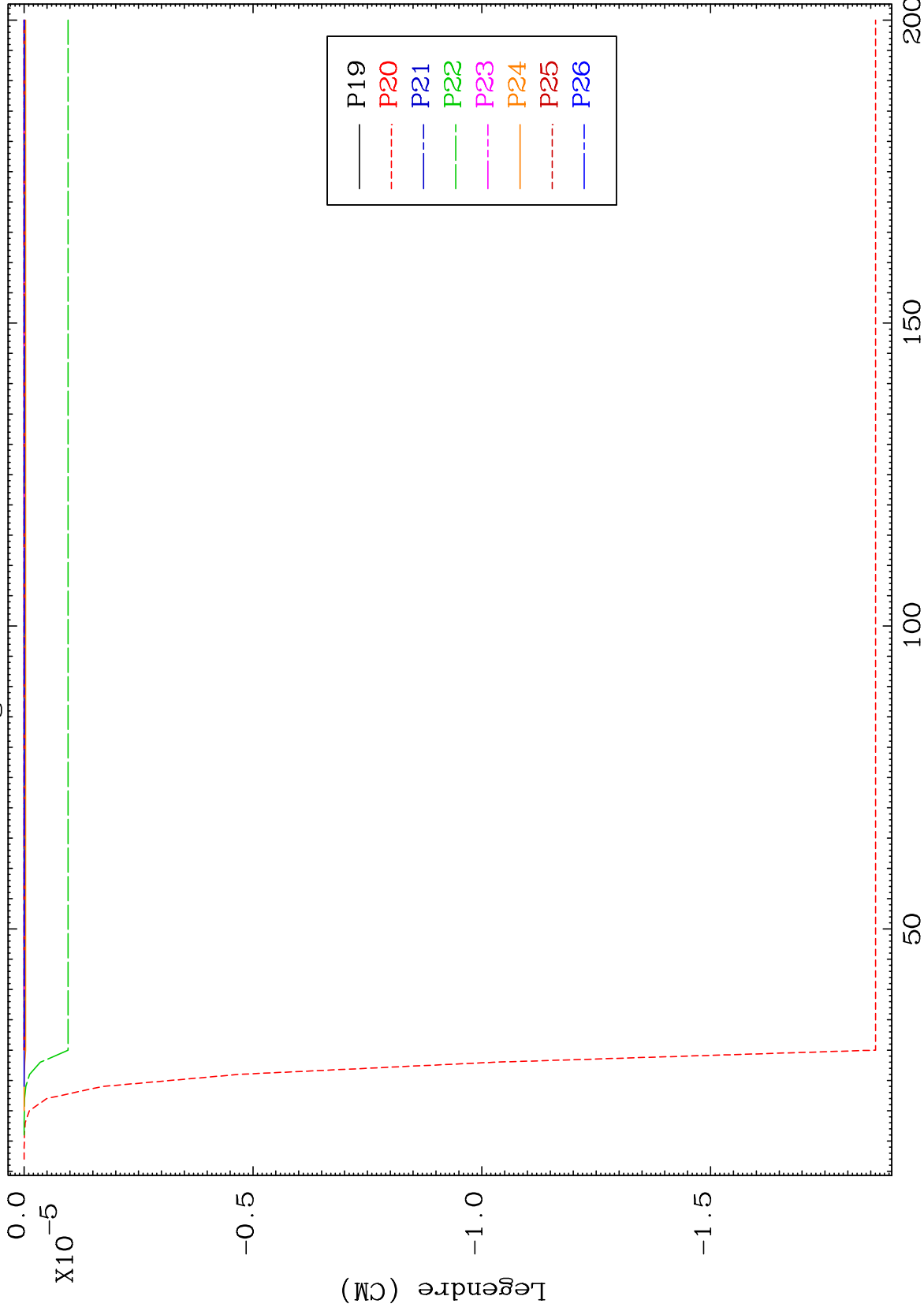
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



91

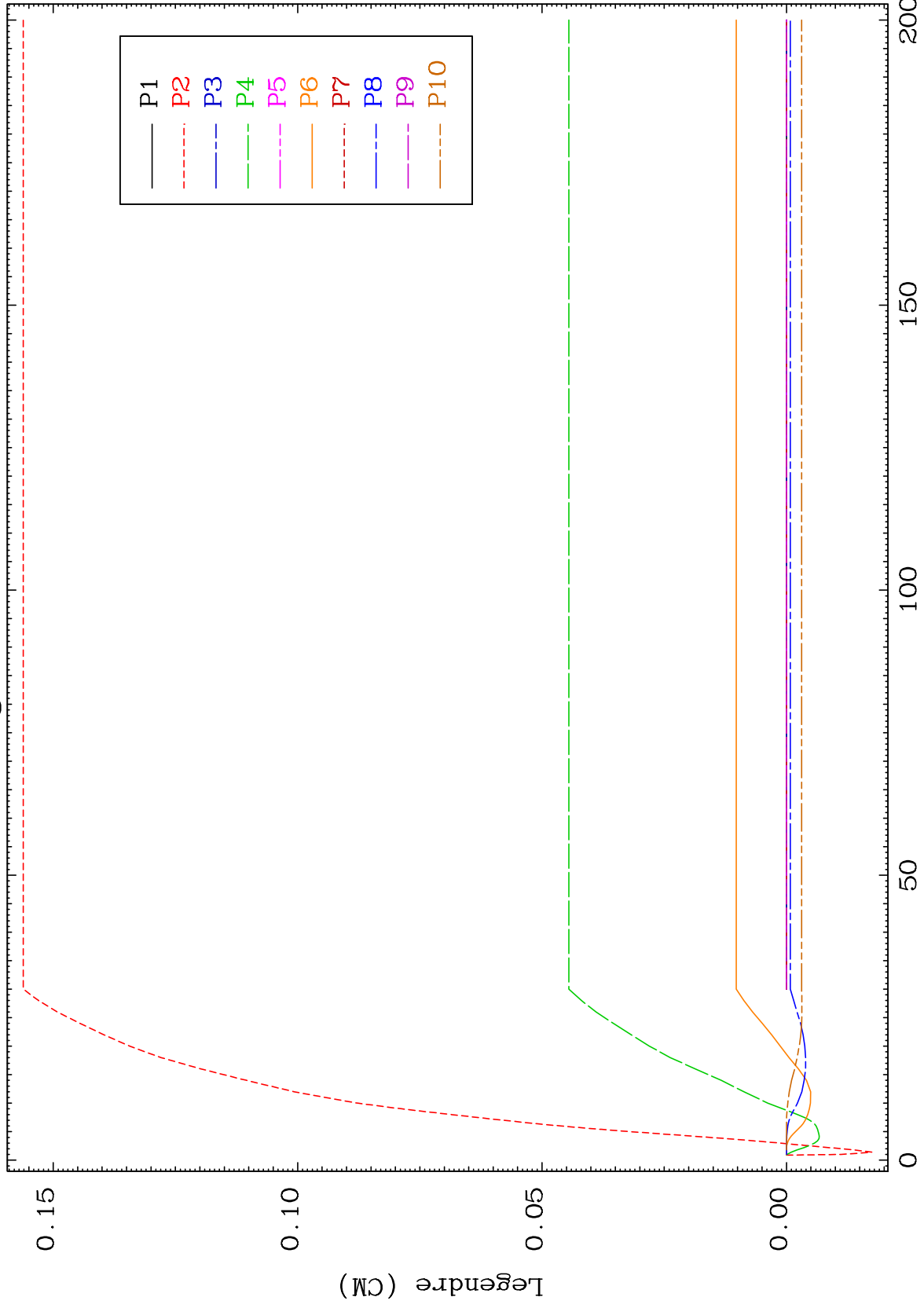
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



92

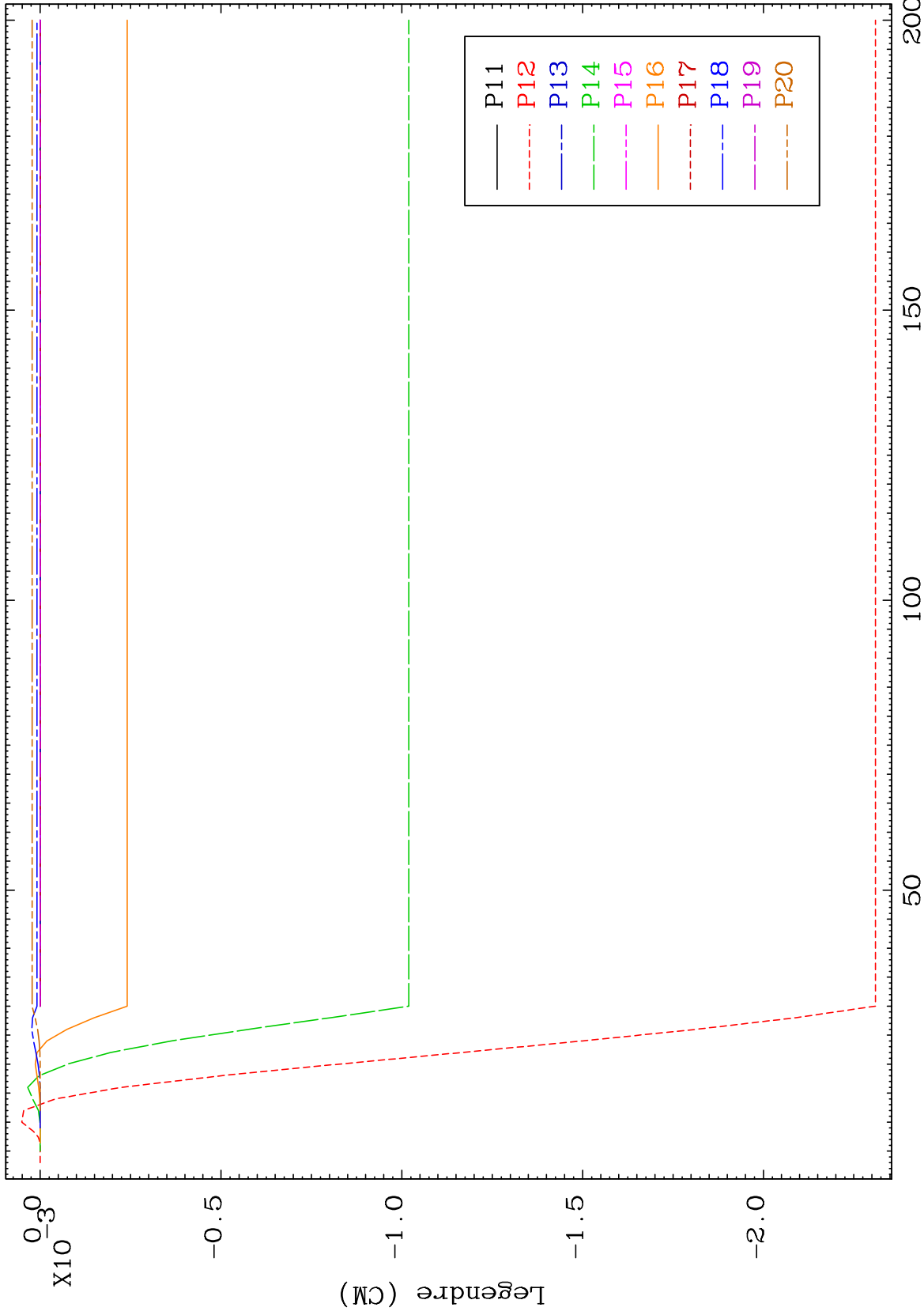
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189

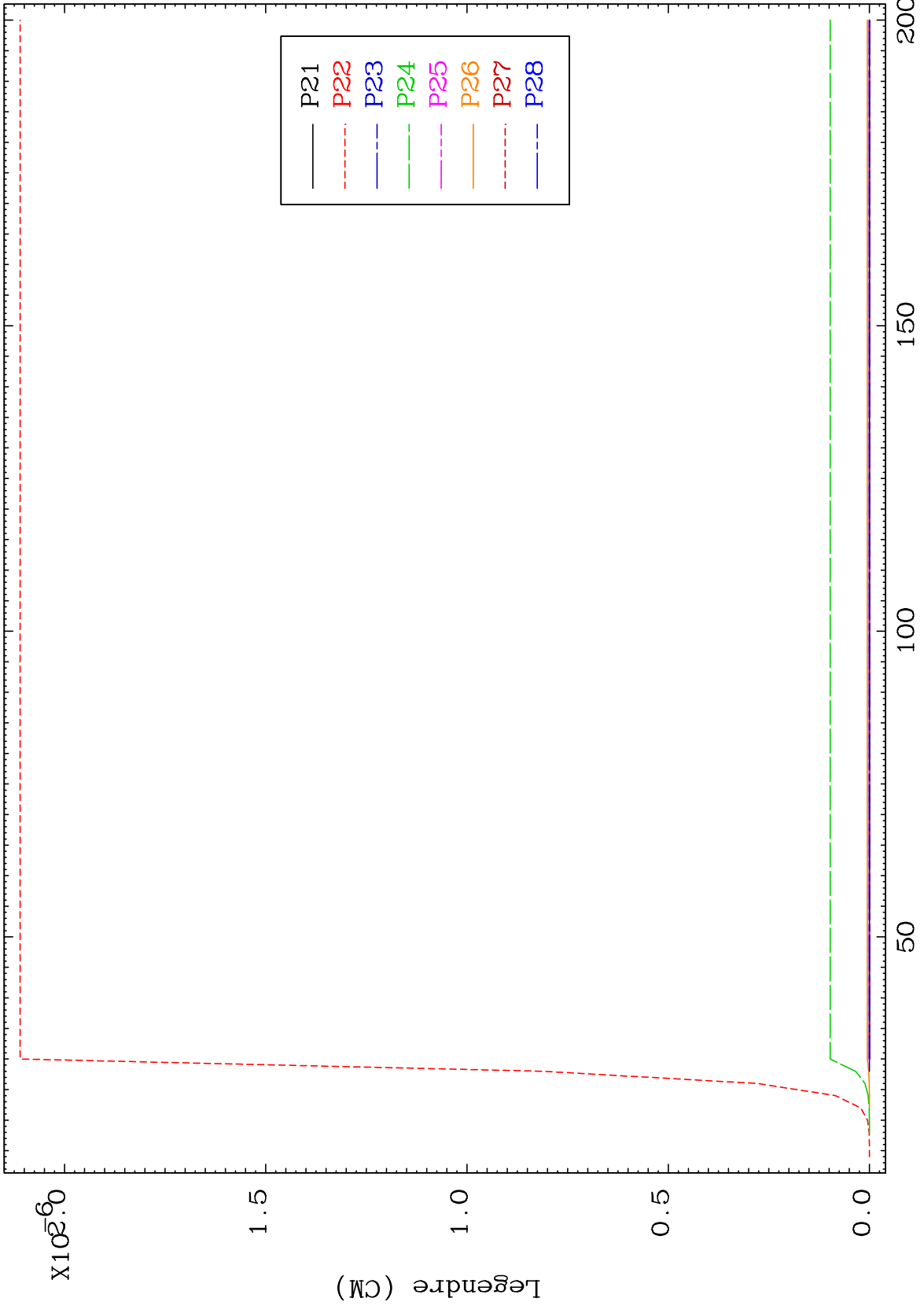


93

Incident Energy (MeV)

79-Au-189

MAT 7901 MT= 73 (n,n') Level Legendre Coefficients 79-Au-189

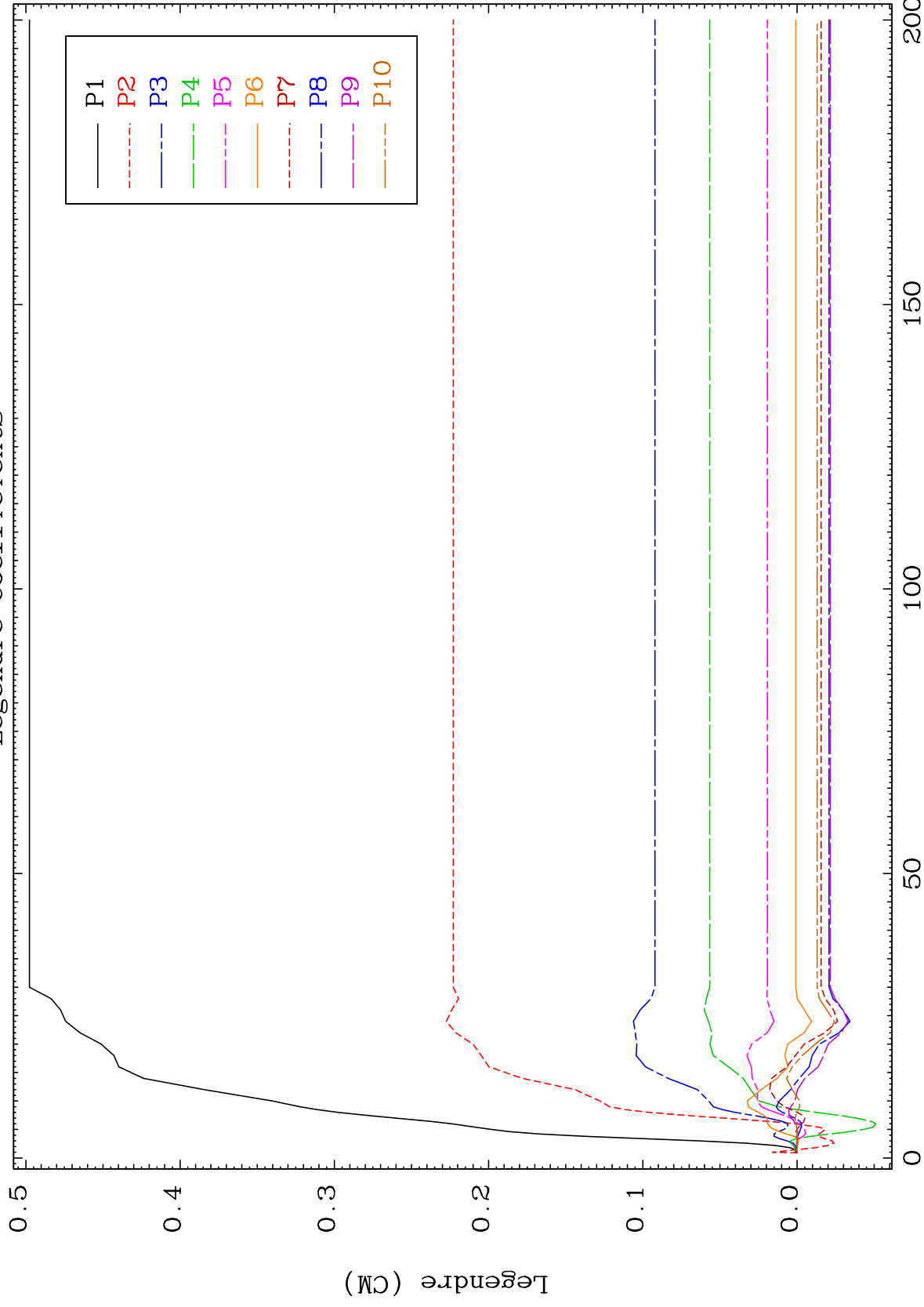


94 79-Au-189

MAT 7901

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

79-Au-189



95

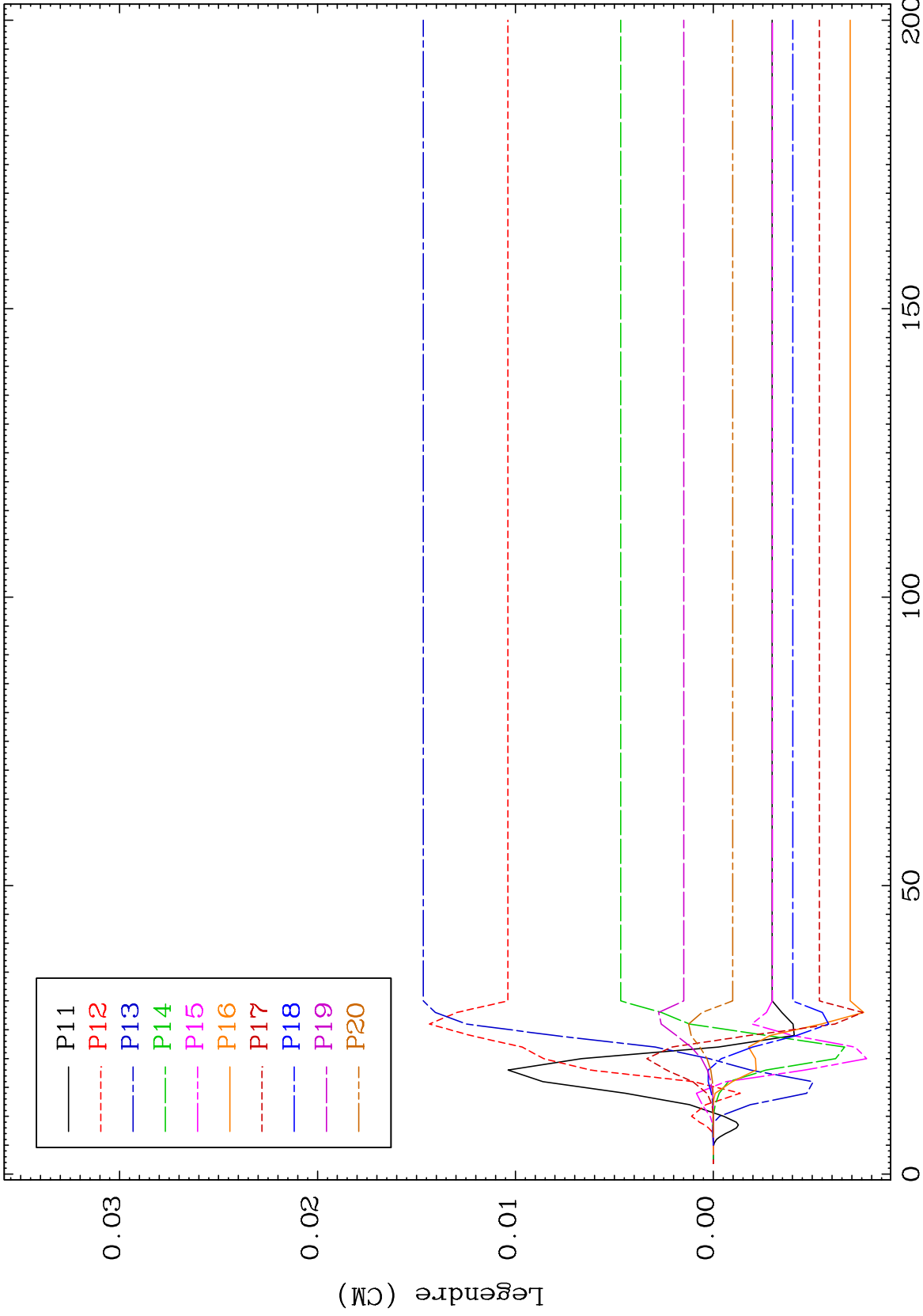
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



96

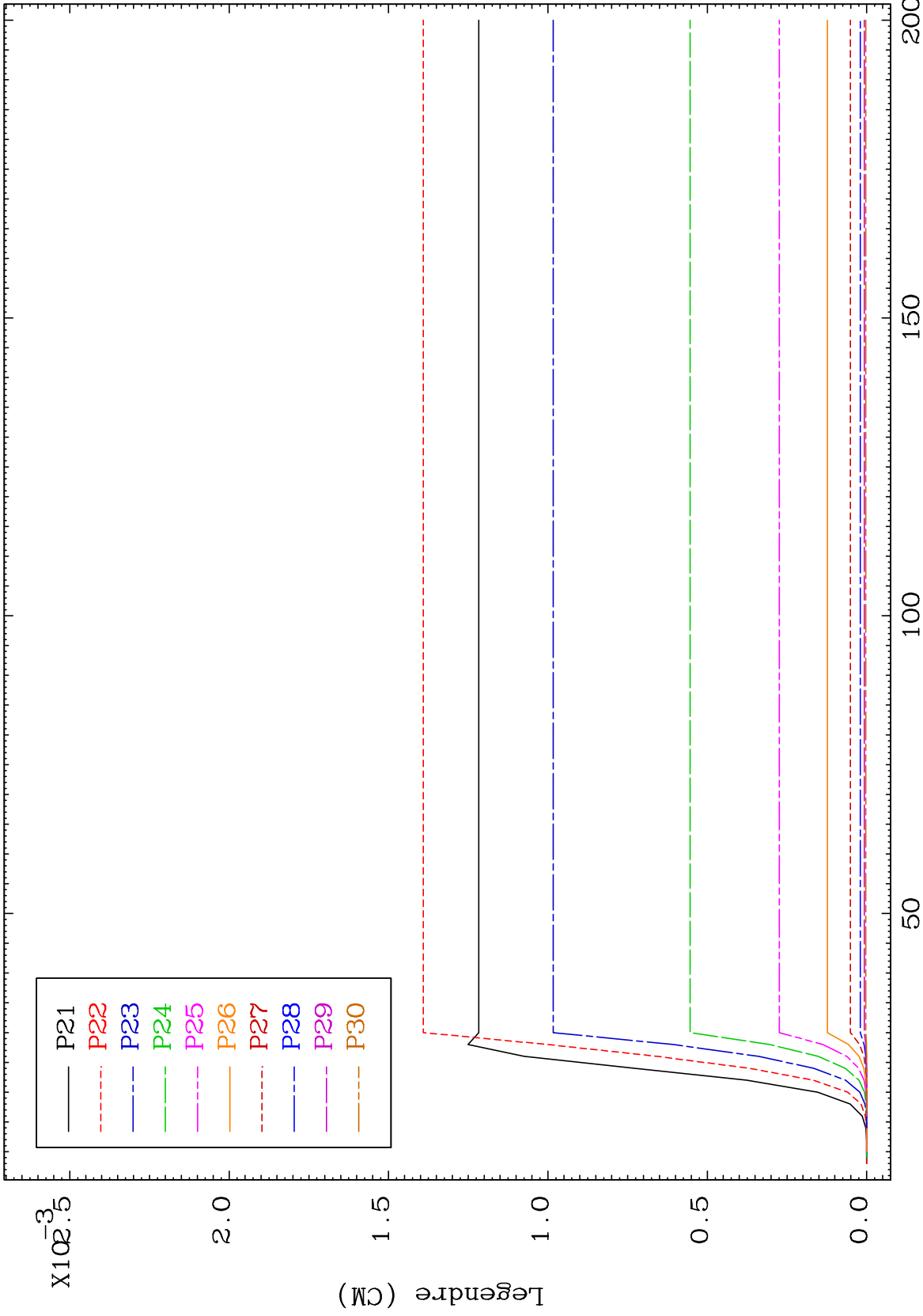
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



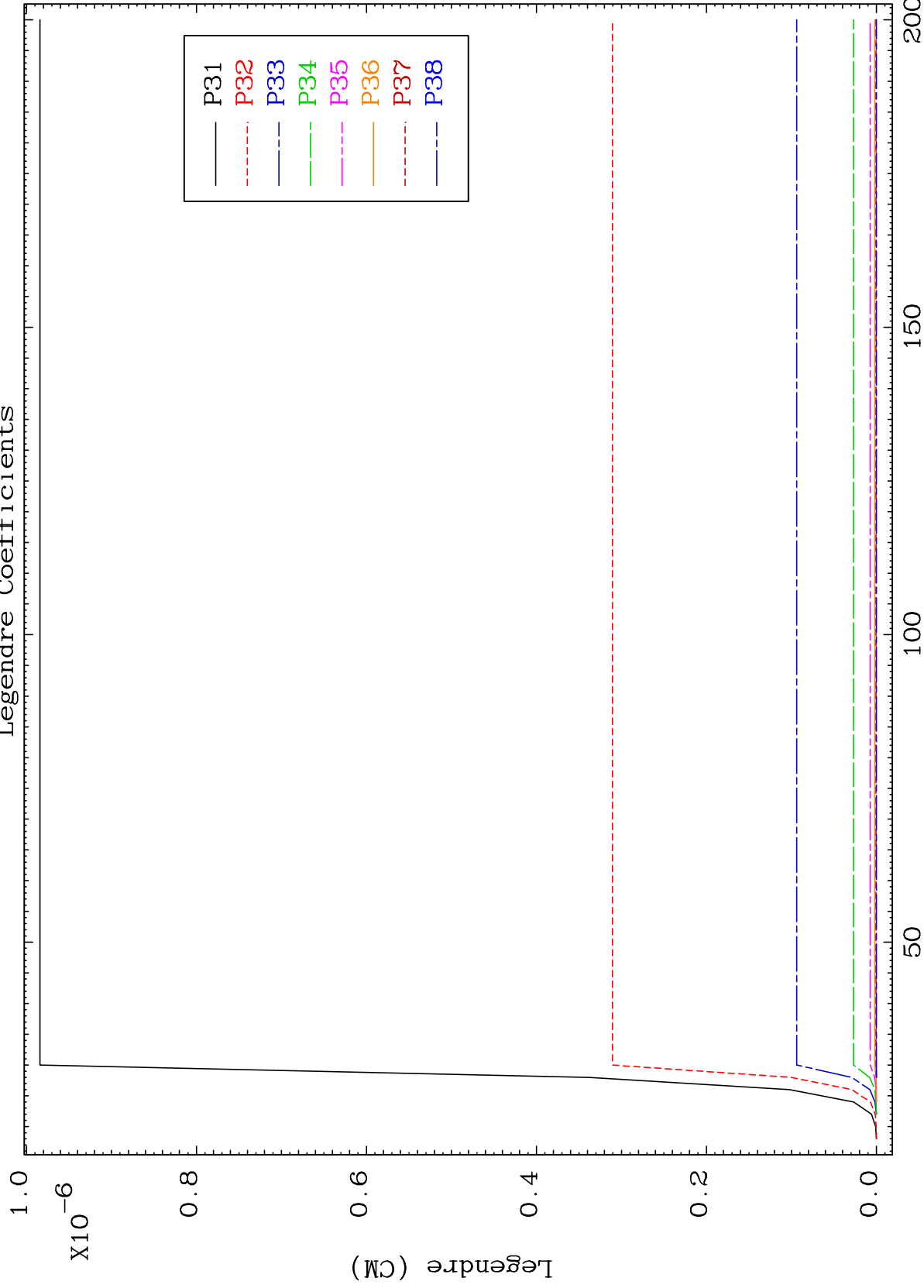
97

79-Au-189

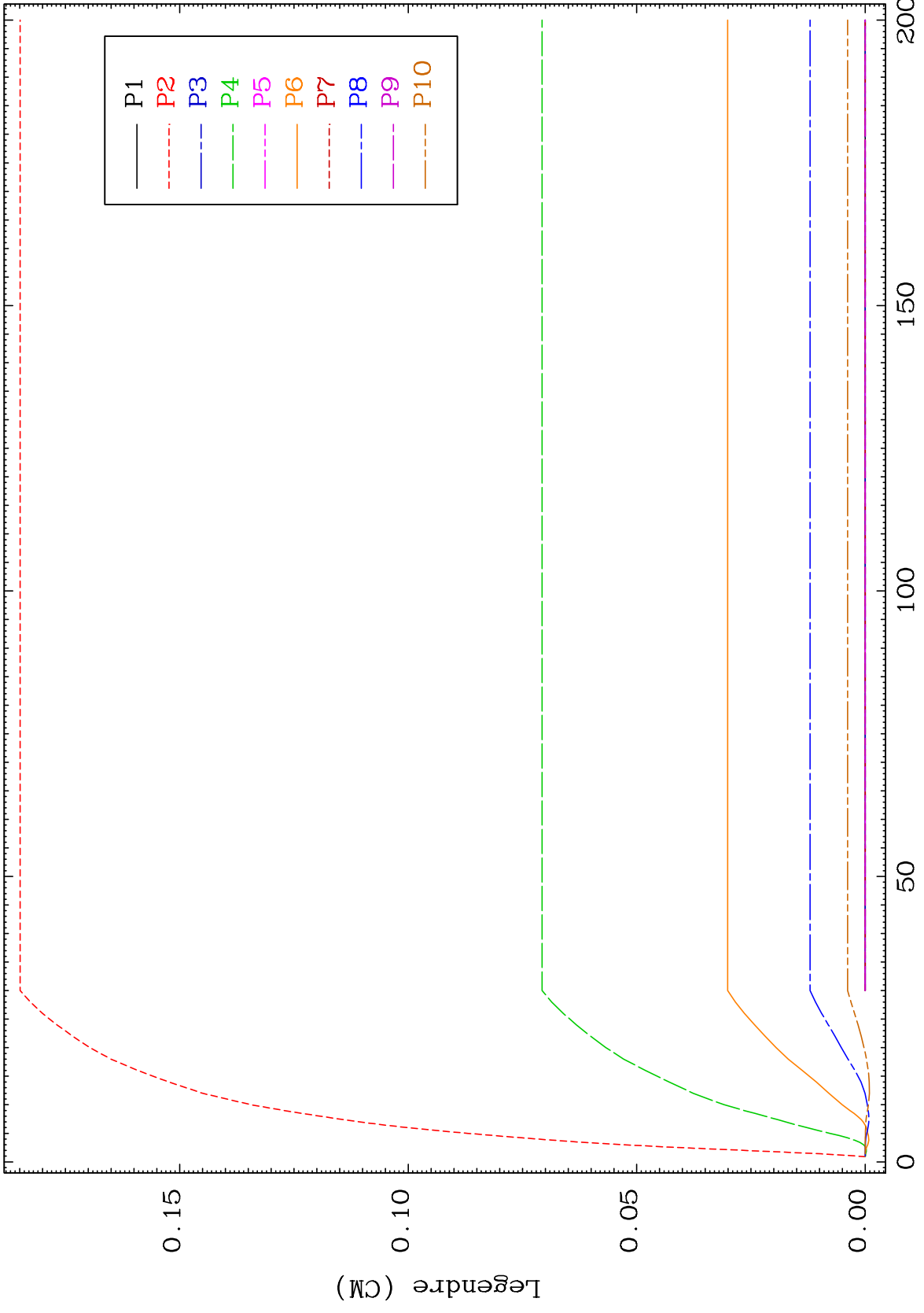
MAT 7901

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

79-Au-189



MAT 7901 MT= 75 (n,n') Level Legendre Coefficients 79-Au-189

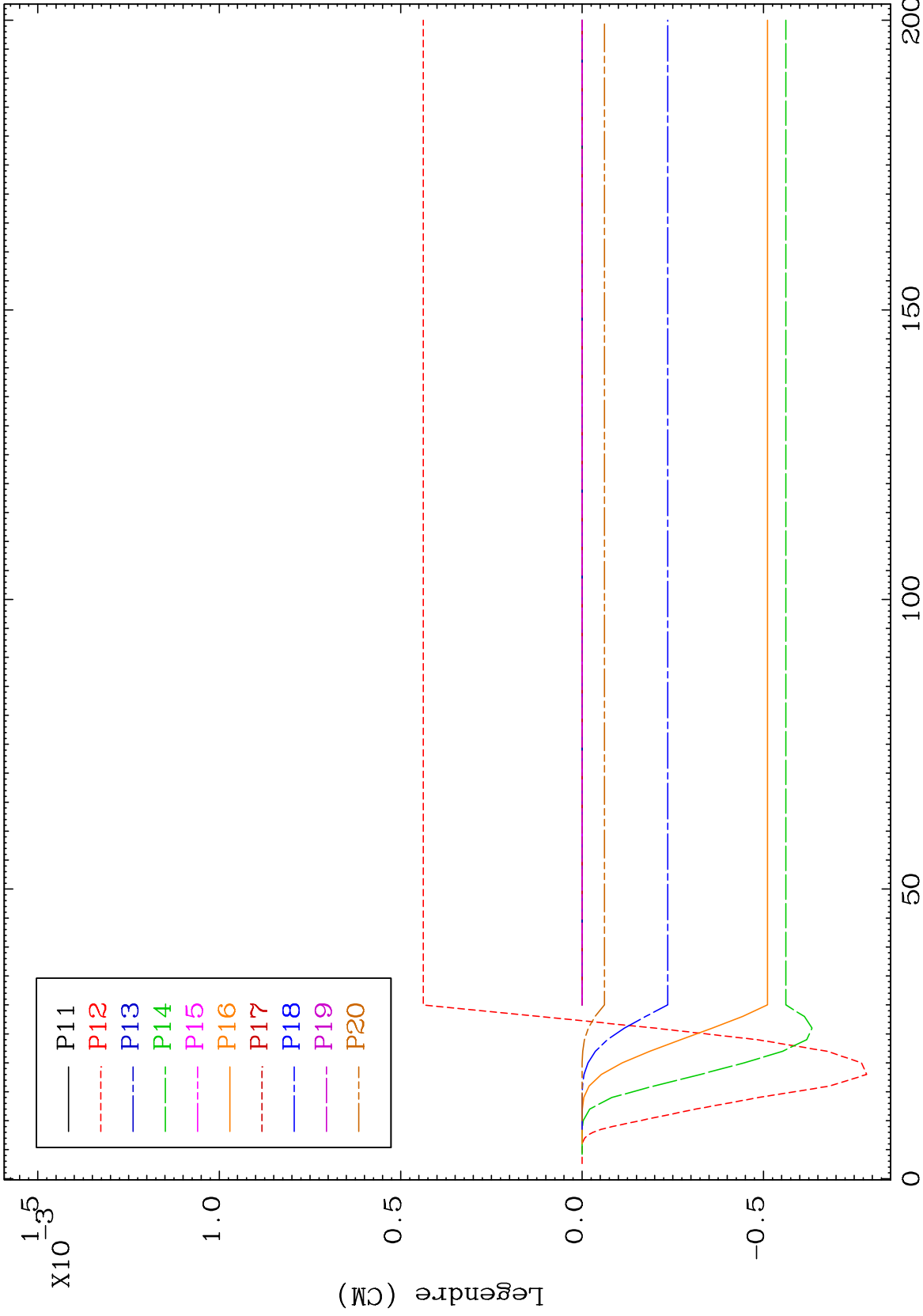


99 79-Au-189

MAT 7901

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

79-Au-189

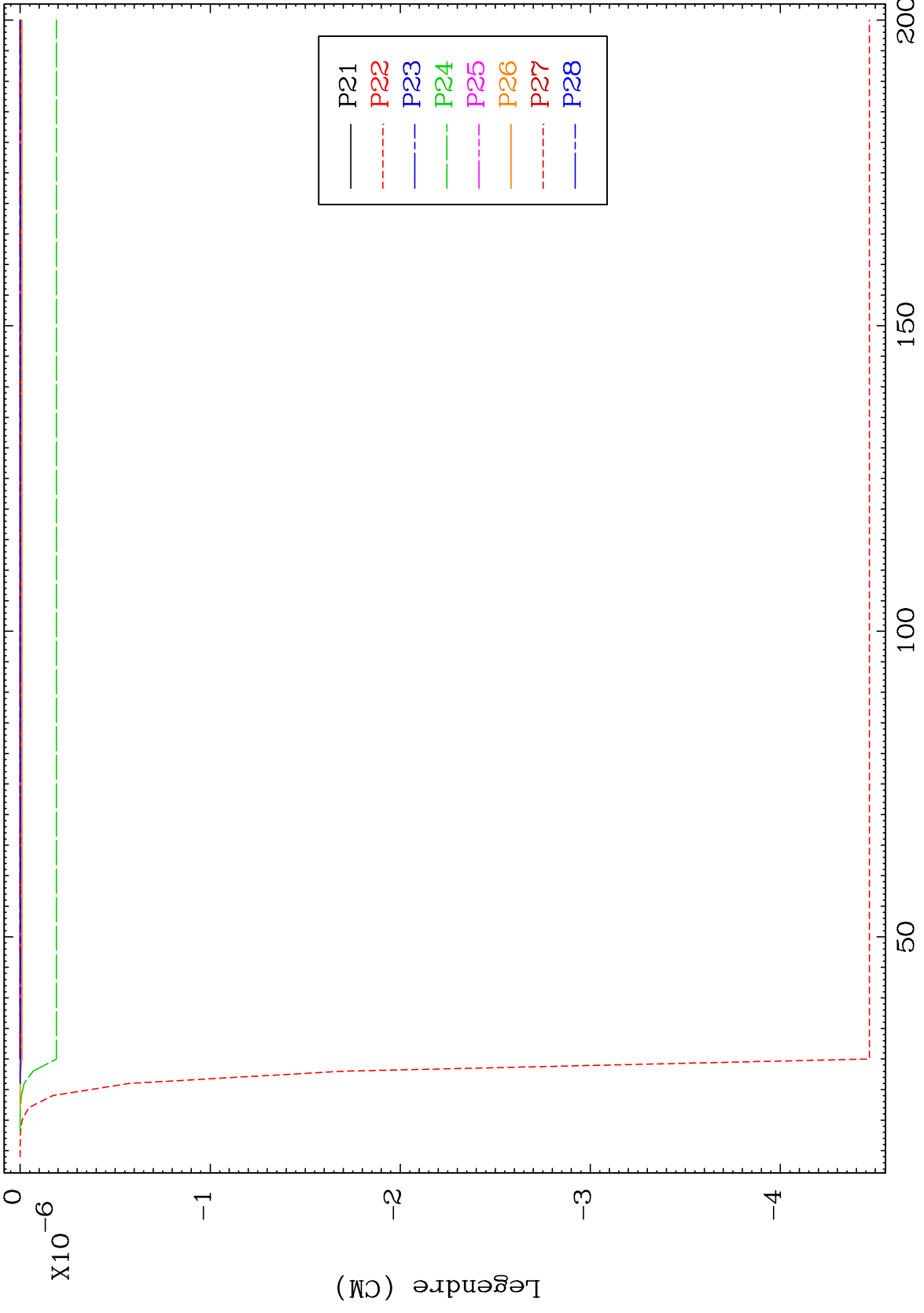


79-Au-189

Incident Energy (MeV)

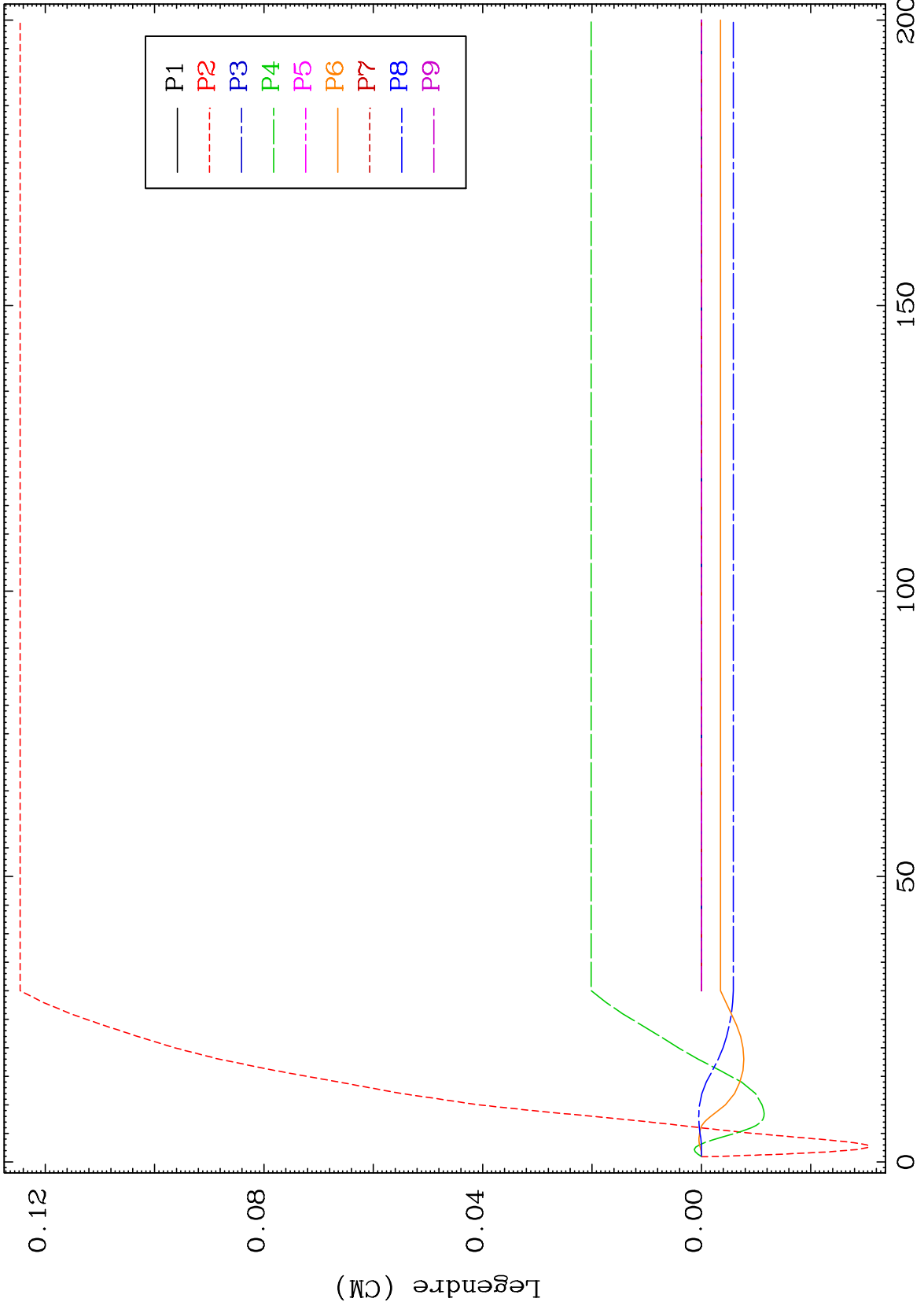
100

MAT 7901 MT= 75 (n,n') Level Legendre Coefficients 79-Au-189



101 79-Au-189

MAT 7901 MT= 76 (n,n') Level Legendre Coefficients 79-Au-189

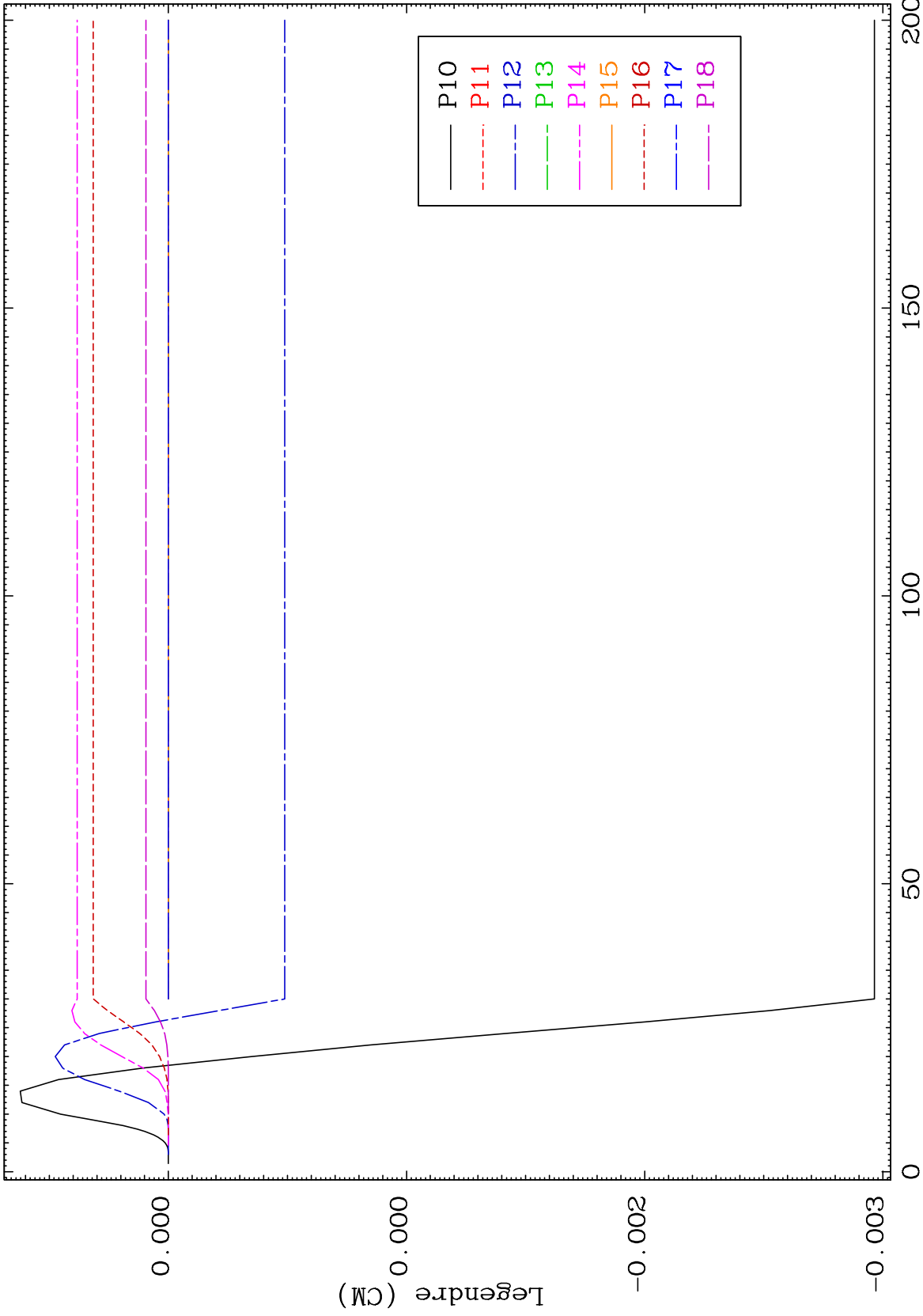


102 Incident Energy (MeV) 79-Au-189

MAT 7901

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

79-Au-189



103

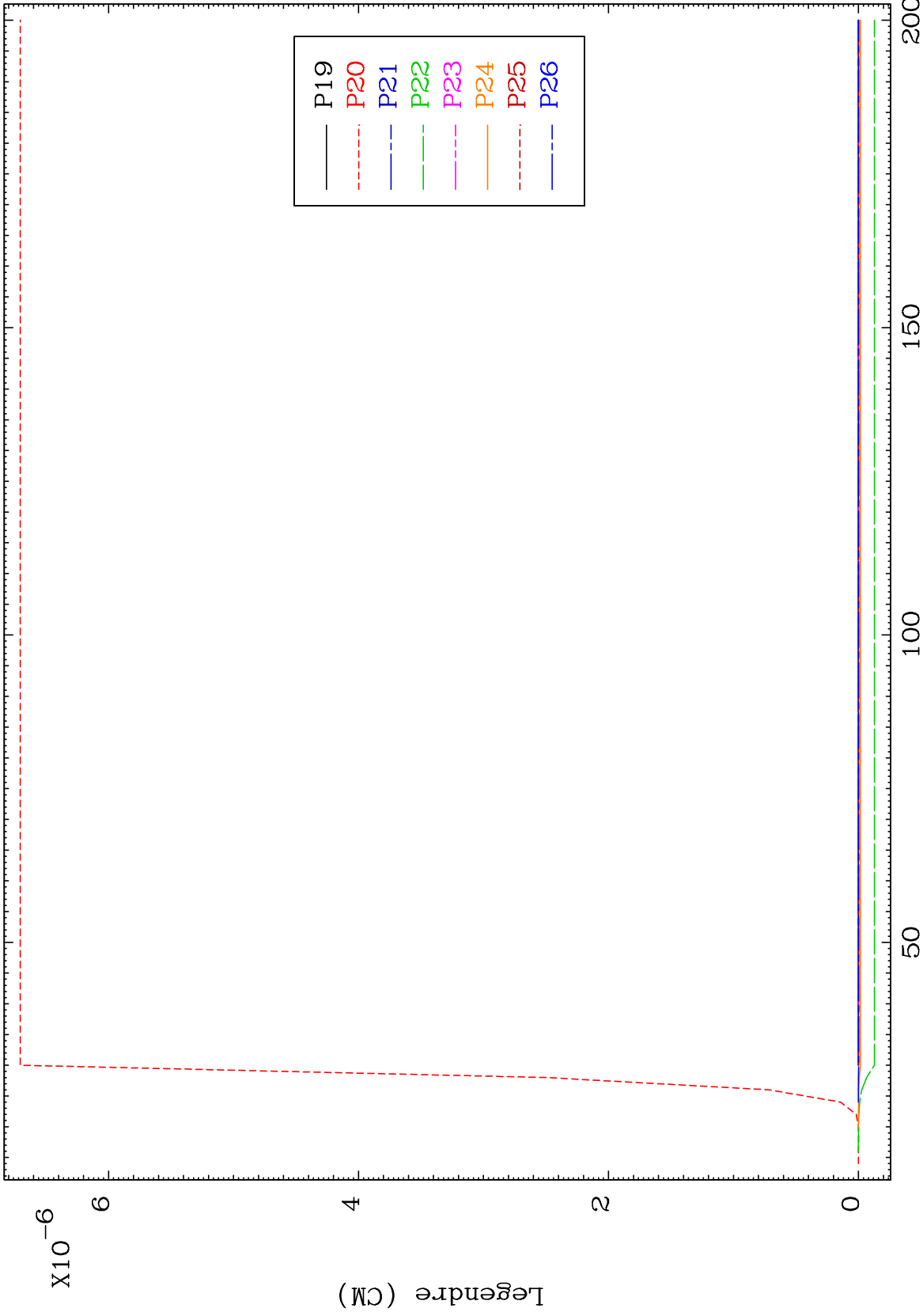
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189

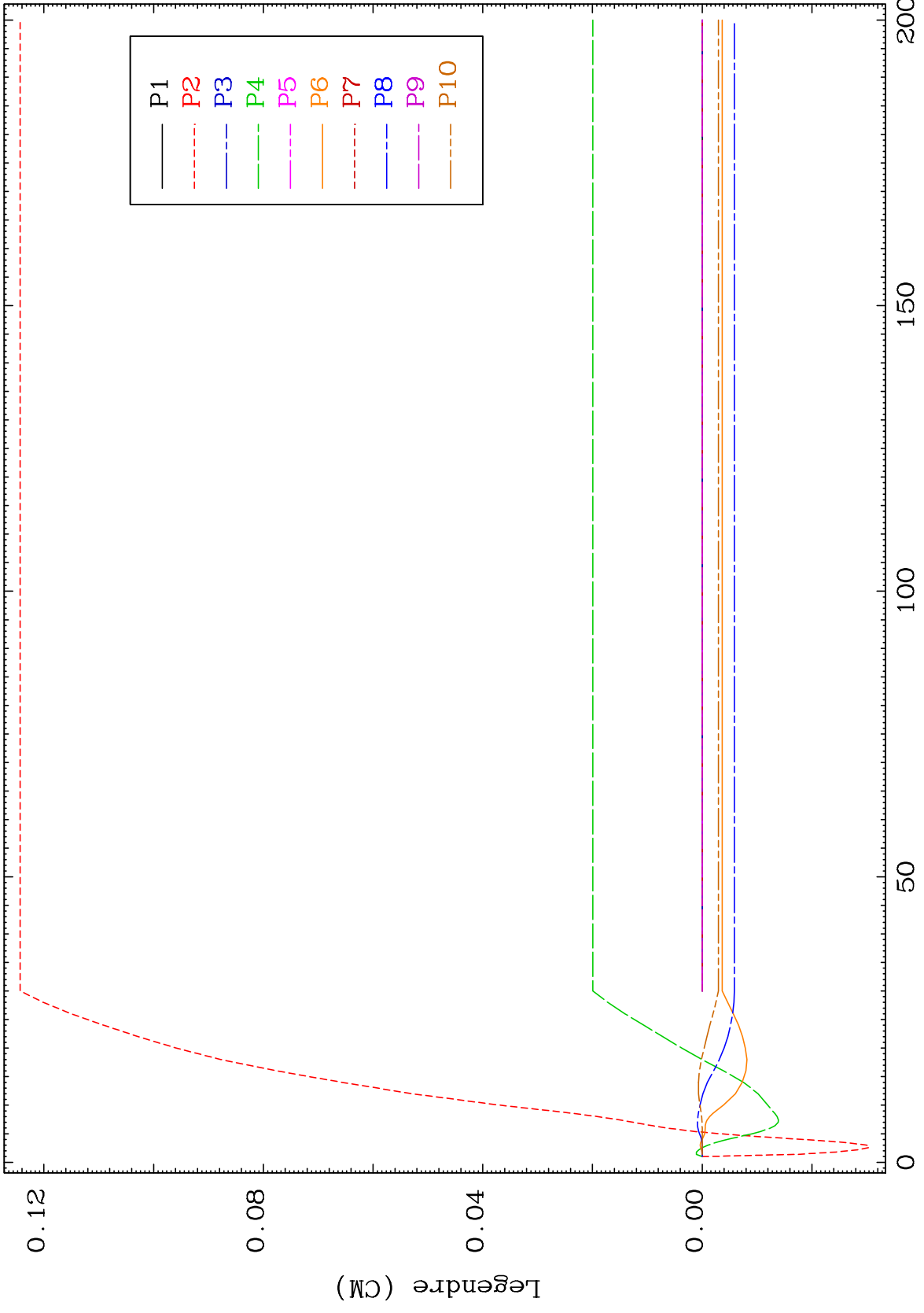


104

Incident Energy (MeV)

79-Au-189

MAT 7901 MT= 77 (n,n') Level Legendre Coefficients 79-Au-189

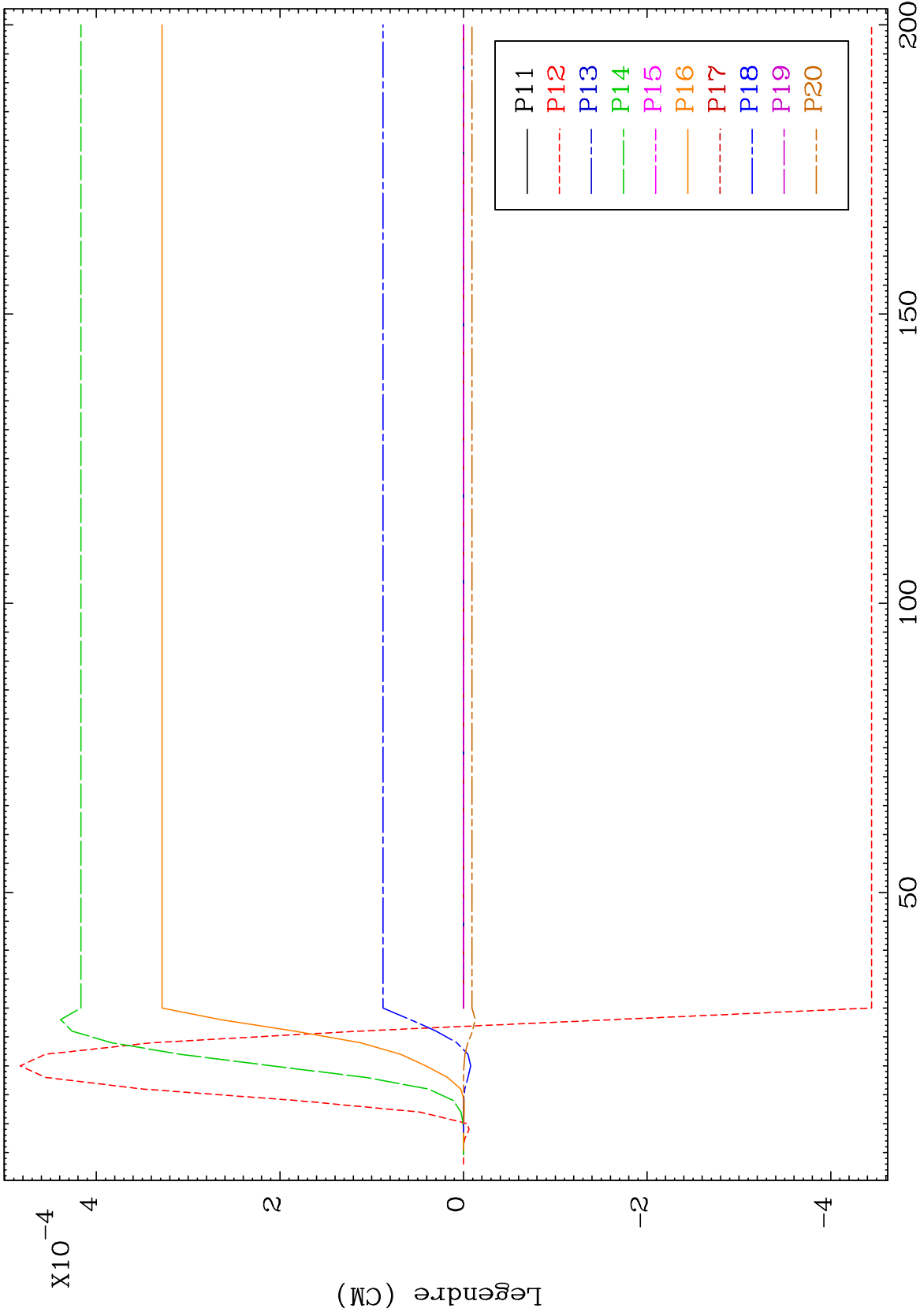


105 Incident Energy (MeV) 79-Au-189

MAT 7901

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

79-Au-189



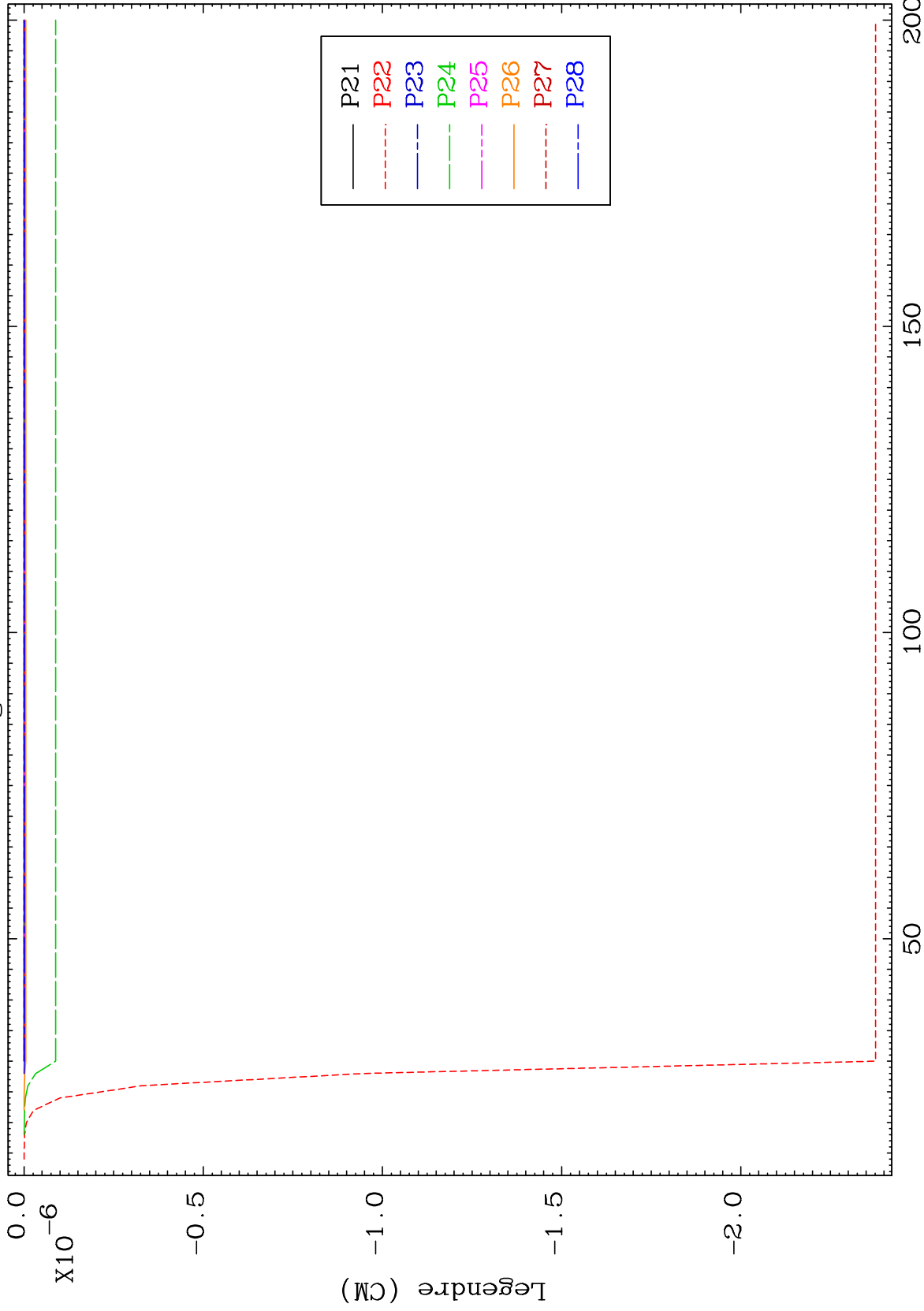
106

79-Au-189

MAT 7901

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

79-Au-189

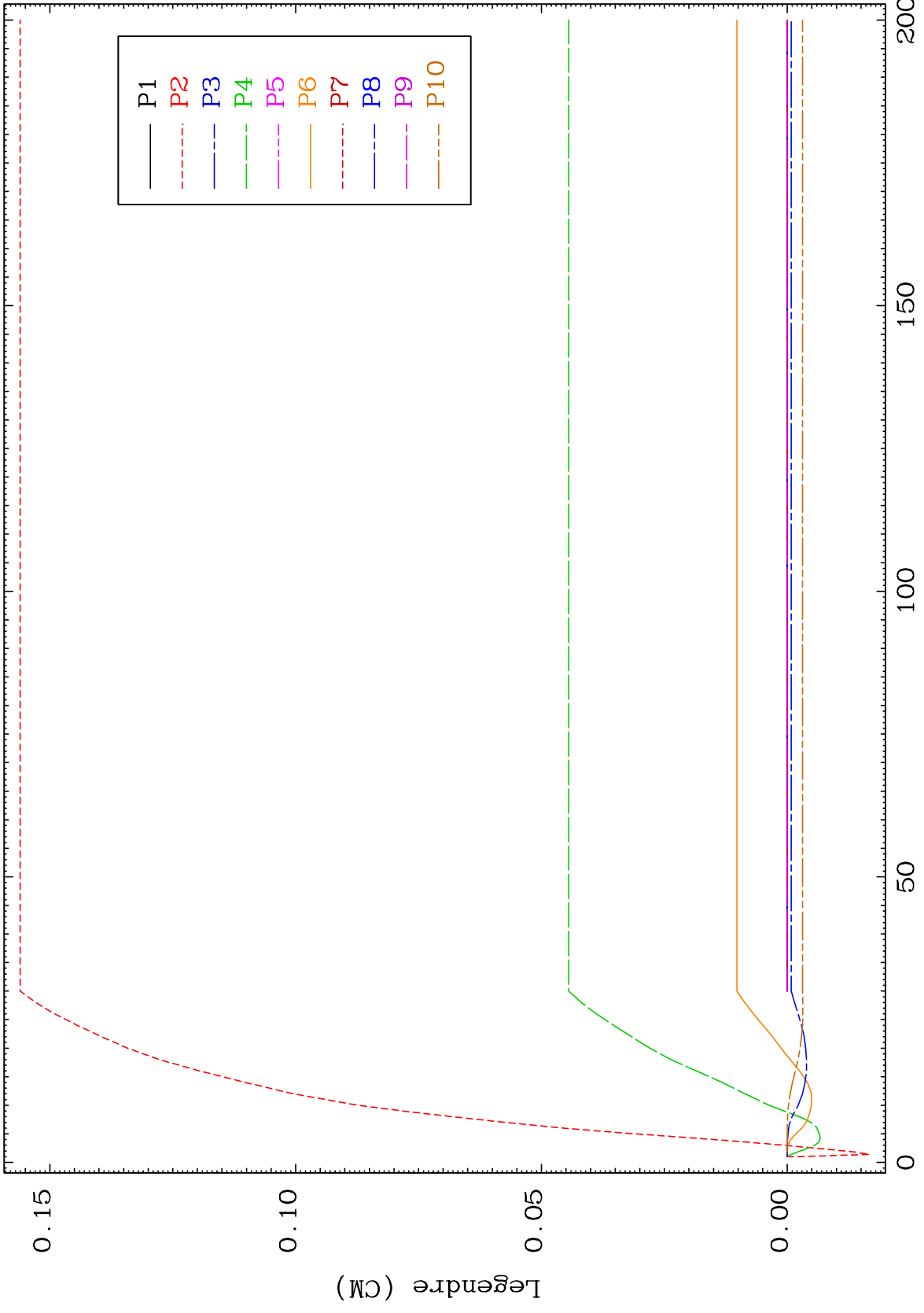


107

Incident Energy (MeV)

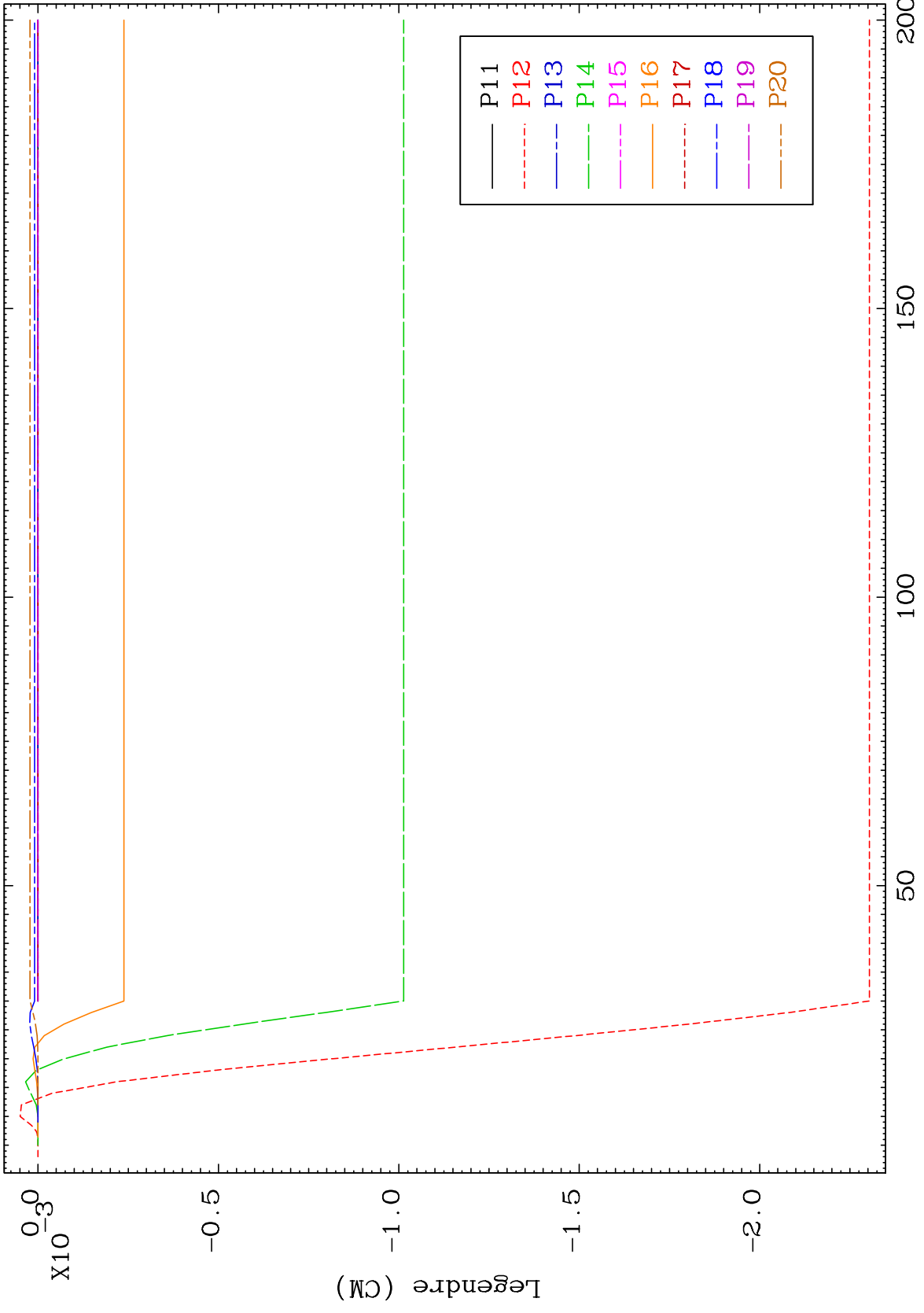
79-Au-189

MAT 7901 MT= 78 (n,n') Level Legendre Coefficients 79-Au-189



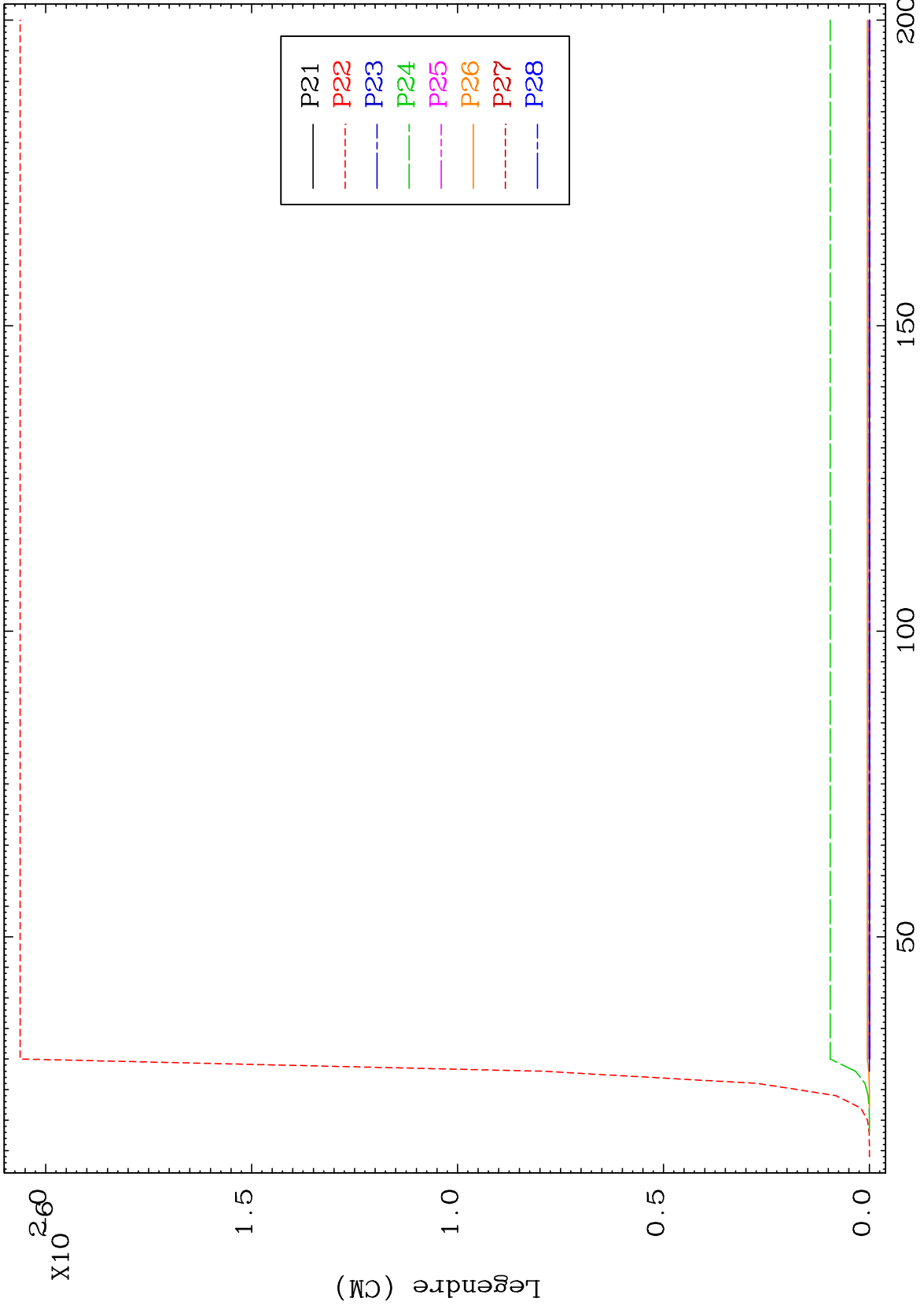
108 79-Au-189

MAT 7901 MT= 78 (n,n') Level Legendre Coefficients 79-Au-189



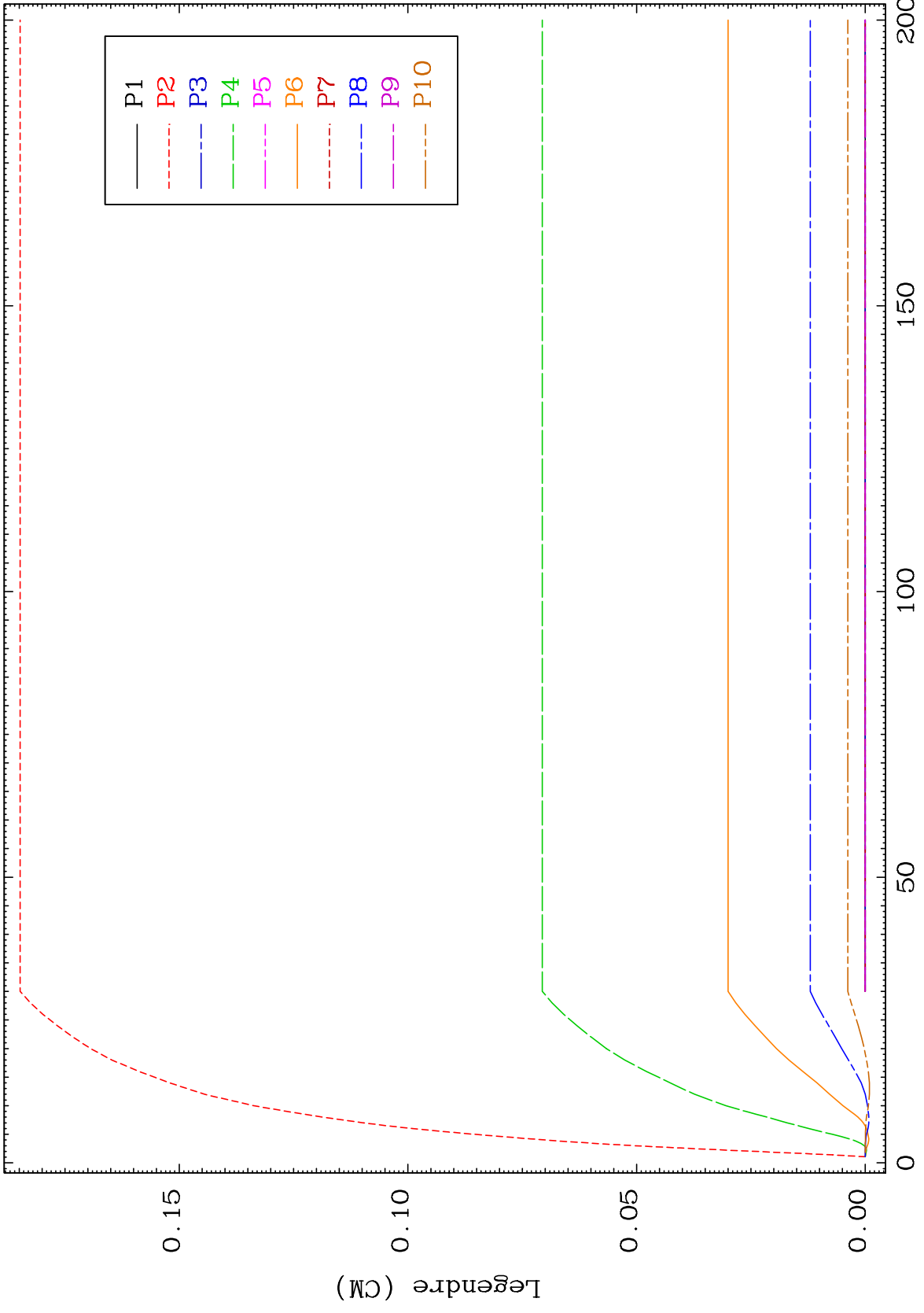
109 79-Au-189

MAT 7901 MT= 78 (n,n') Level Legendre Coefficients 79-Au-189



79-Au-189

MAT 7901 MT= 79 (n,n') Level Legendre Coefficients 79-Au-189

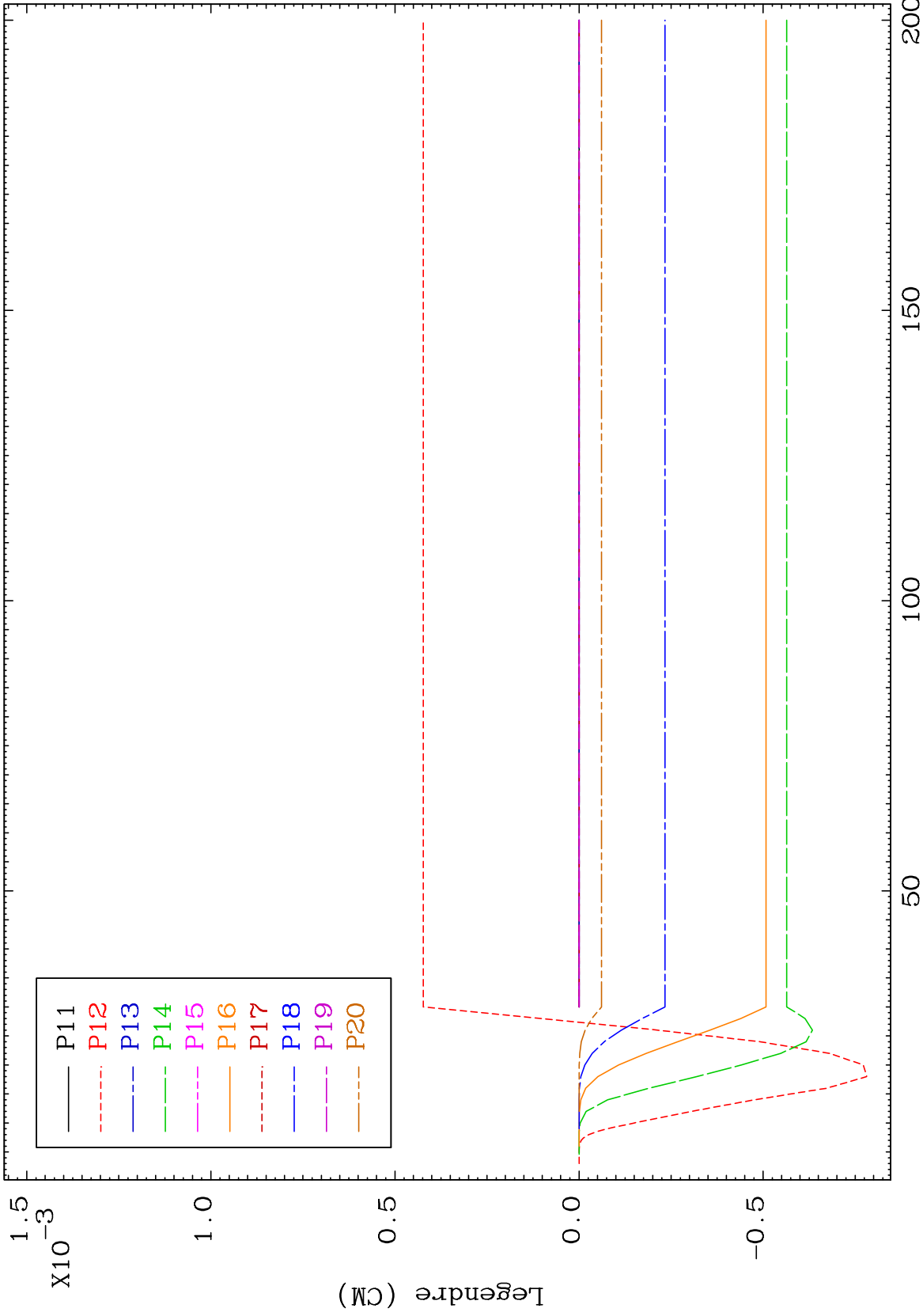


111 79-Au-189

MAT 7901

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

79-Au-189



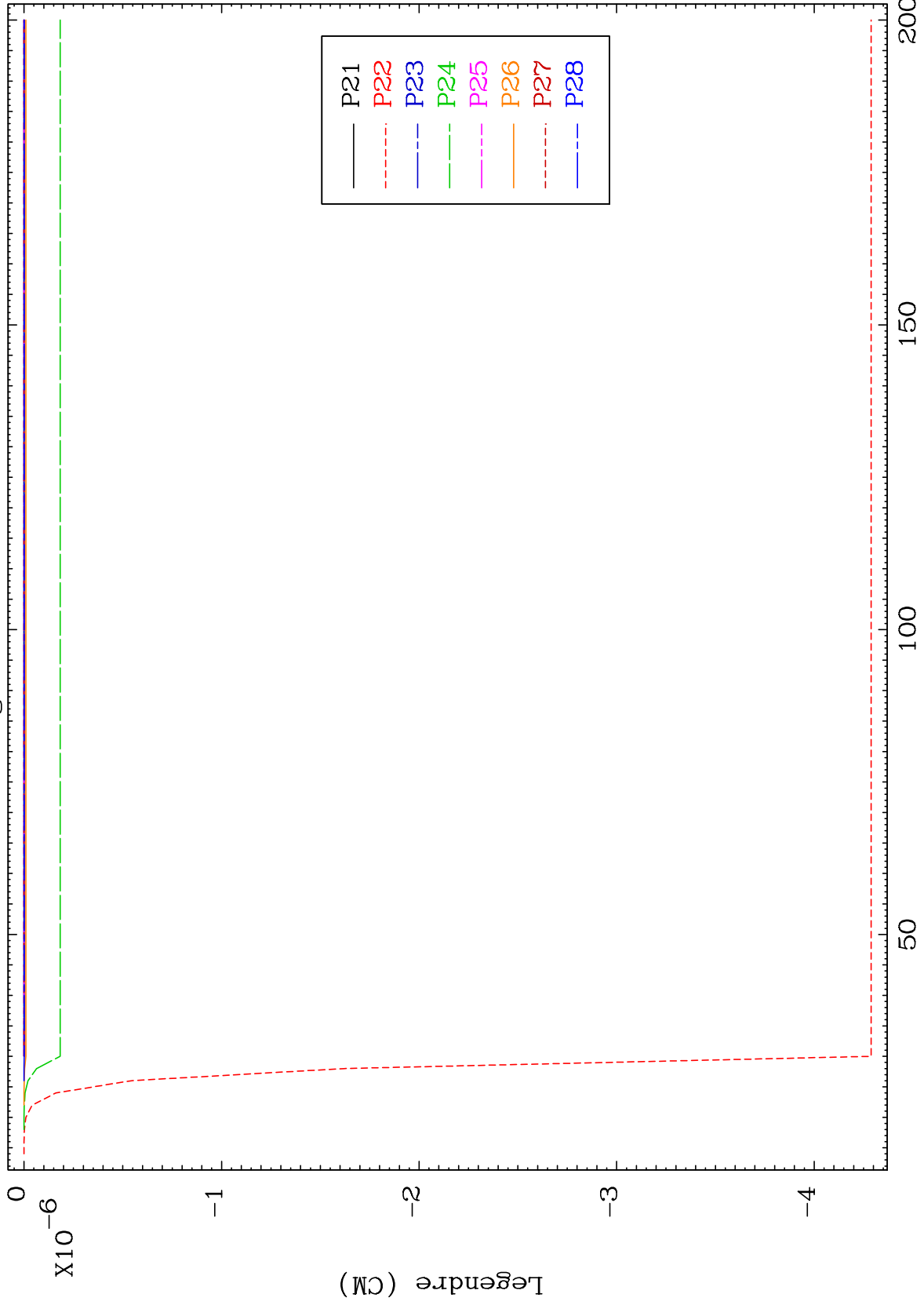
112

79-Au-189

MAT 7901

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

79-Au-189



79-Au-189

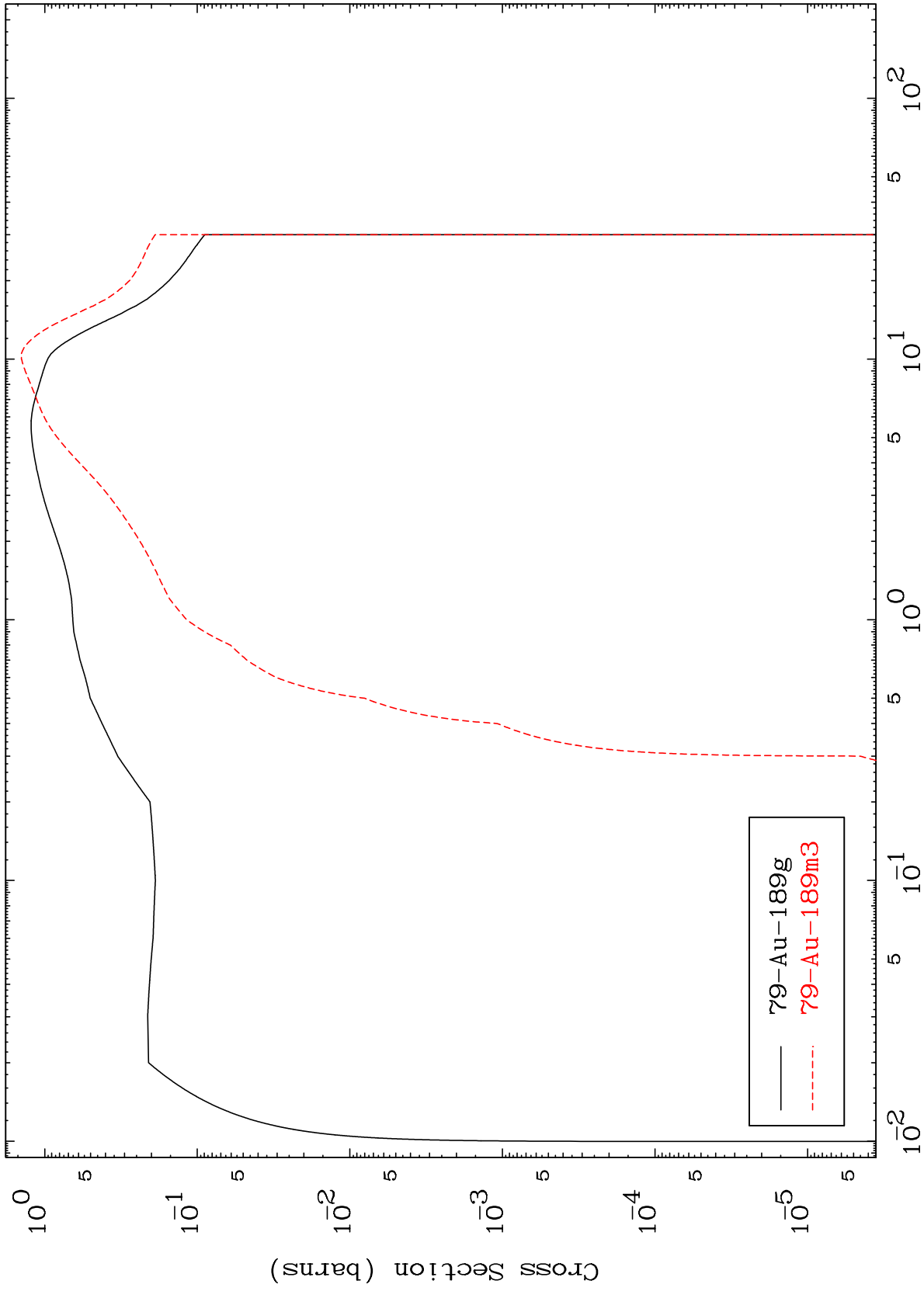
Incident Energy (MeV)

113

MAT 7901

⁷⁹Au-189

Inelastic Radionuclide Production Cross Section



114

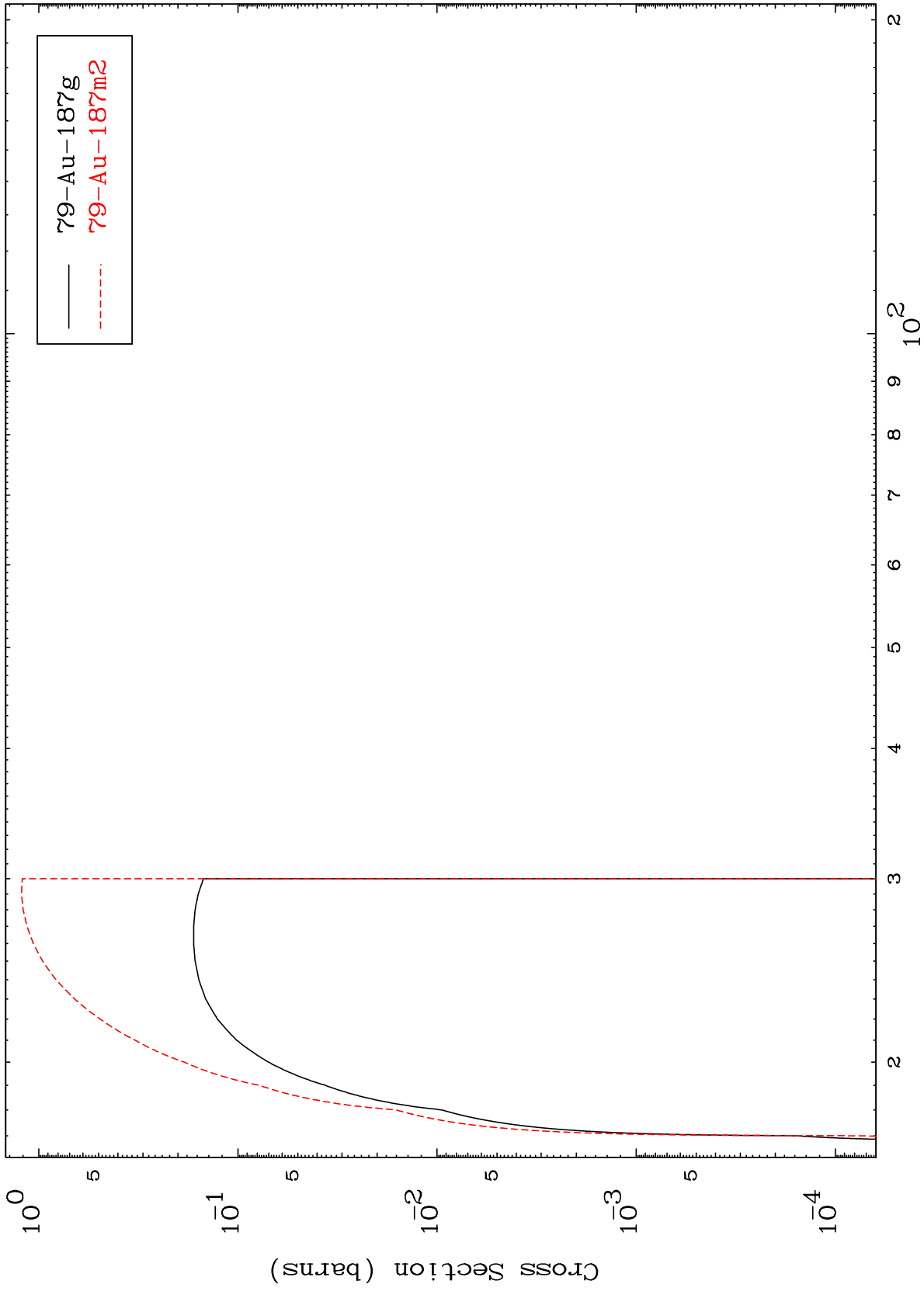
⁷⁹Au-189

⁷⁹Au-189

MAT 7901

⁷⁹Au-189

(n,3n)
Radionuclide Production Cross Section



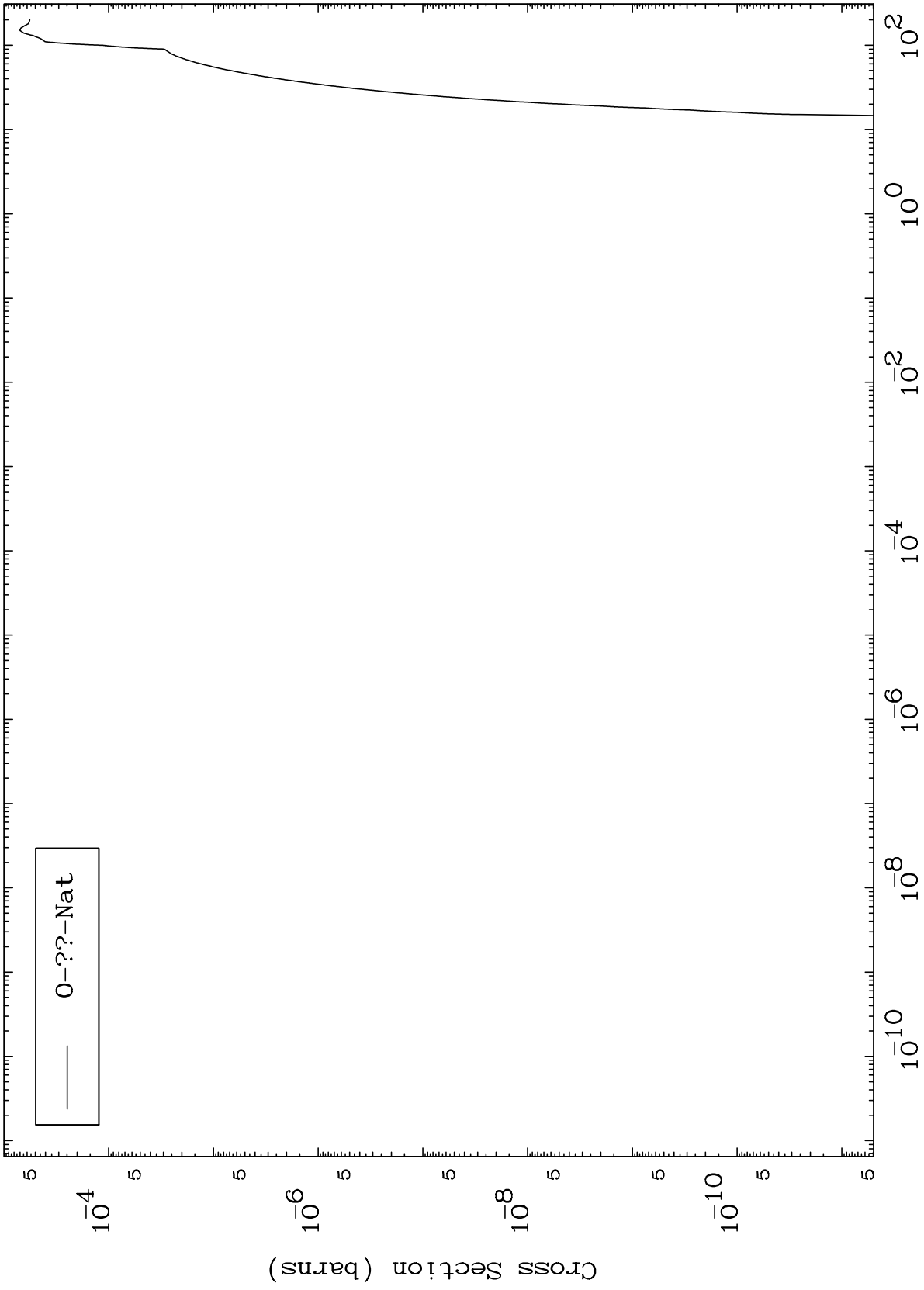
115

⁷⁹Au-189

MAT 7901

Fission
Radionuclide Production Cross Section

⁷⁹Au-189



116

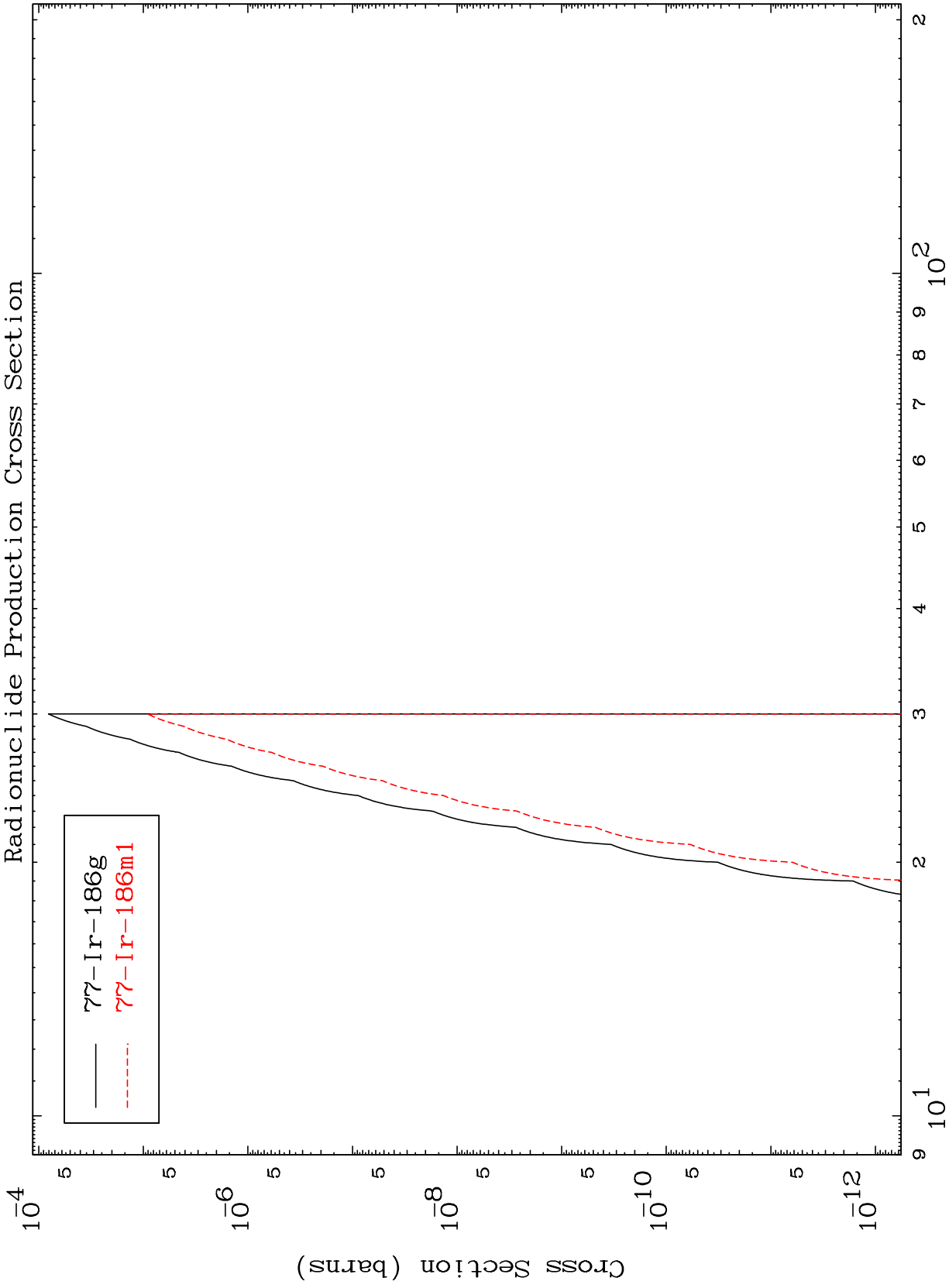
⁷⁹Au-189

MAT 7901

(n, n') He-3

79-Au-189

Radionuclide Production Cross Section



117

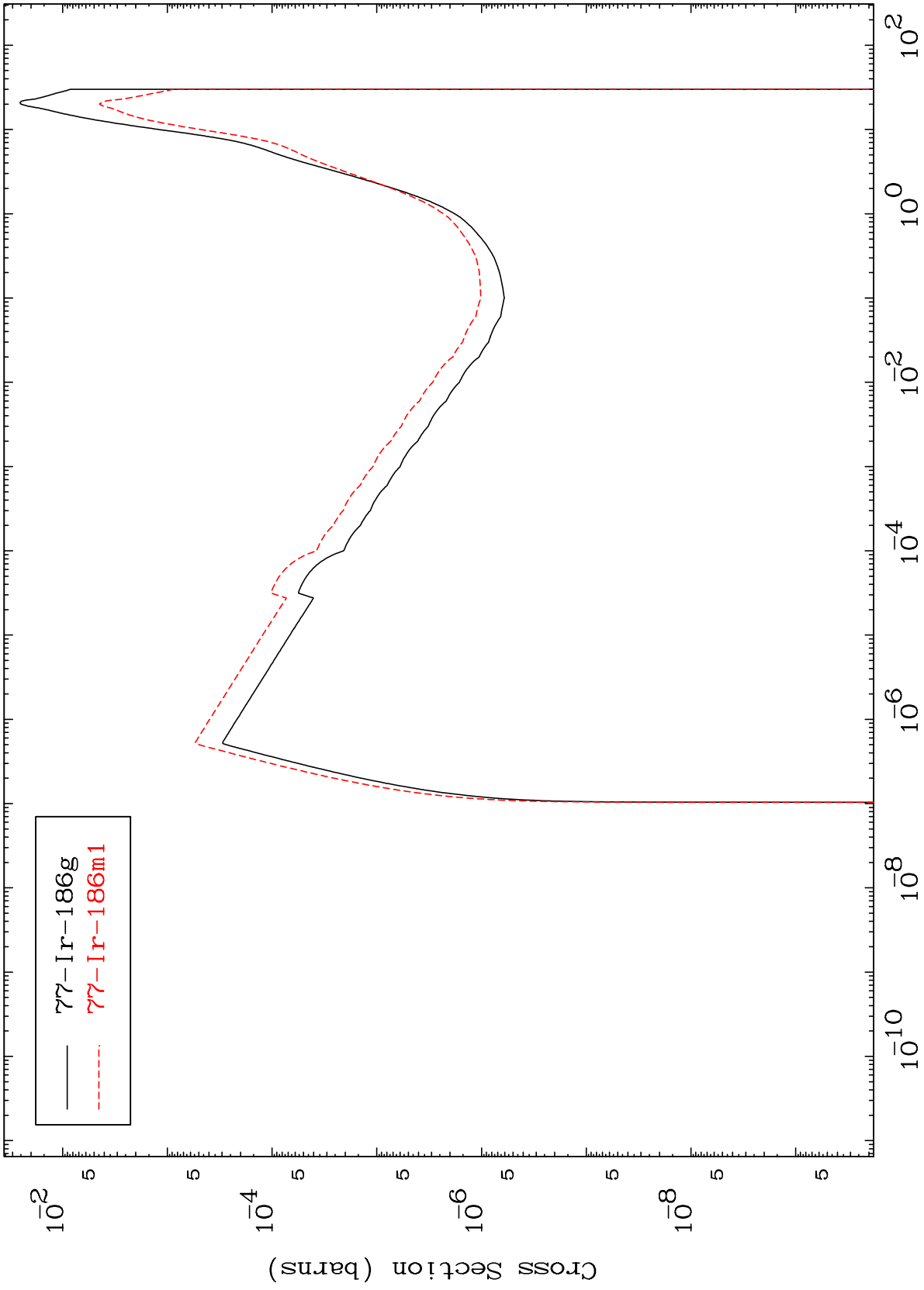
Incident Energy (MeV)

79-Au-189

MAT 7901

(n, α)
Radionuclide Production Cross Section

$^{79}\text{Au-189}$



118

Incident Energy (MeV)

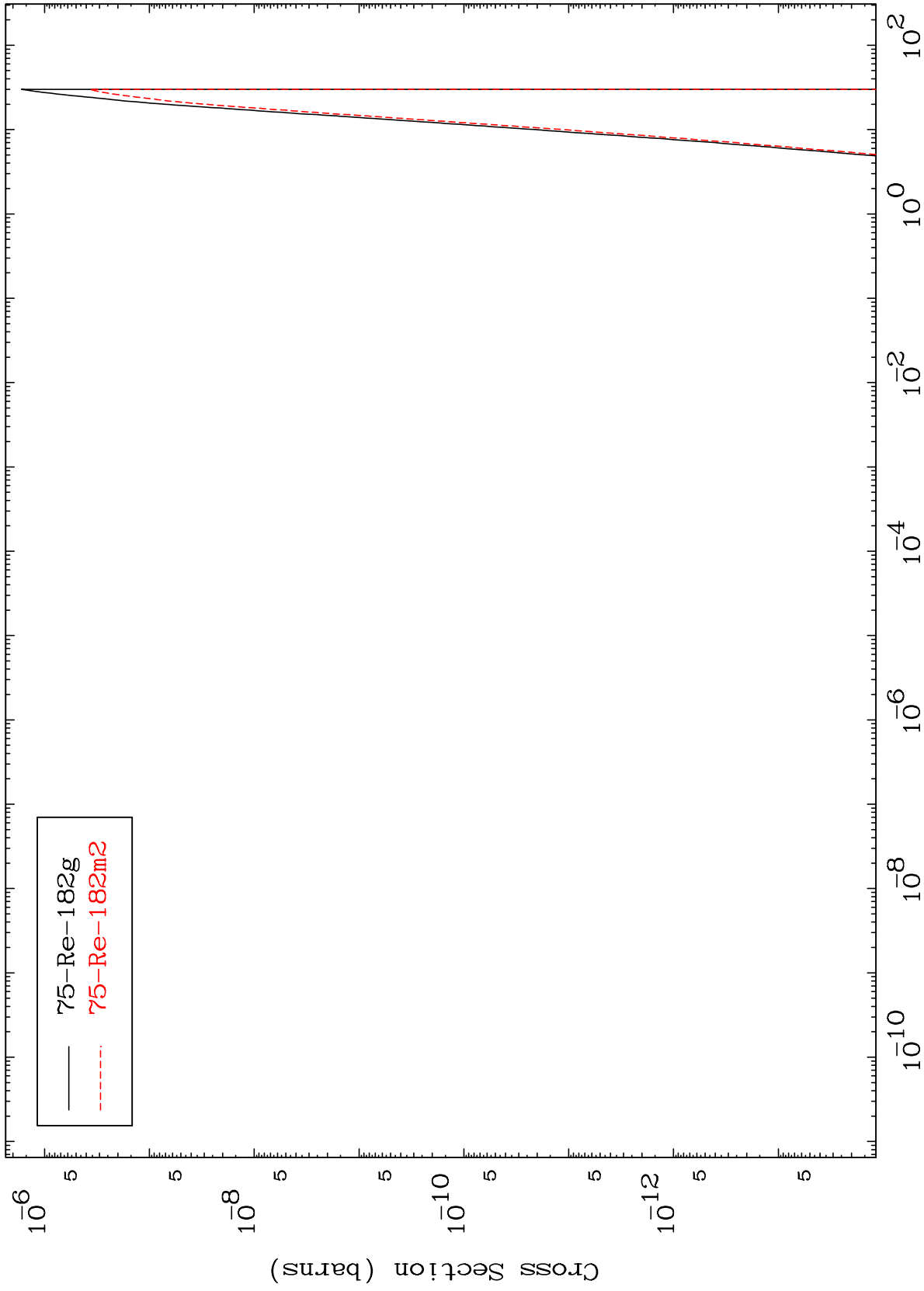
$^{79}\text{Au-189}$

MAT 7901

(n,2α)

79-Au-189

Radionuclide Production Cross Section



119

Incident Energy (MeV)

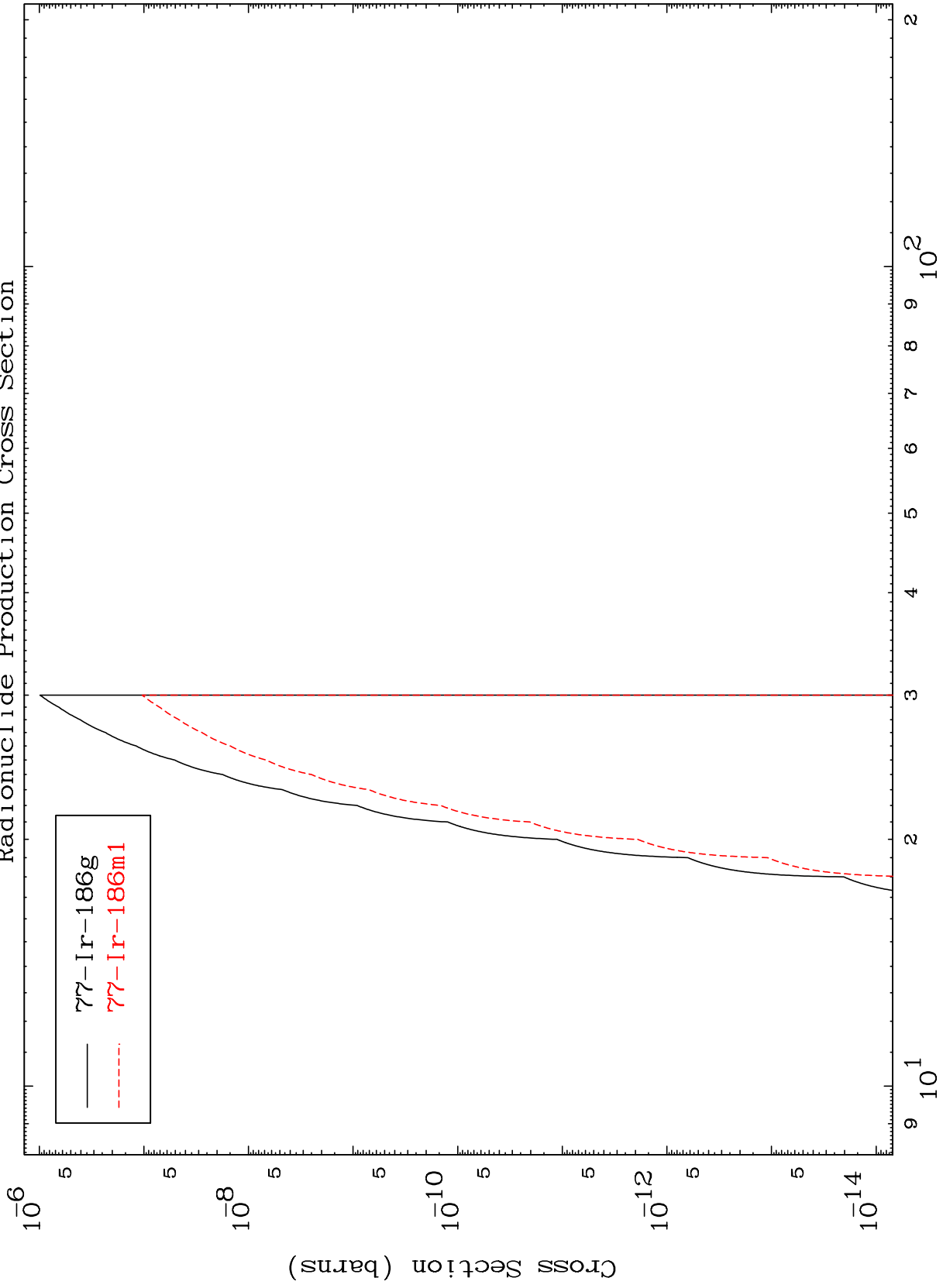
79-Au-189

MAT 7901

(n,p) t

79-Au-189

Radionuclide Production Cross Section



120

Incident Energy (MeV)

79-Au-189