

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

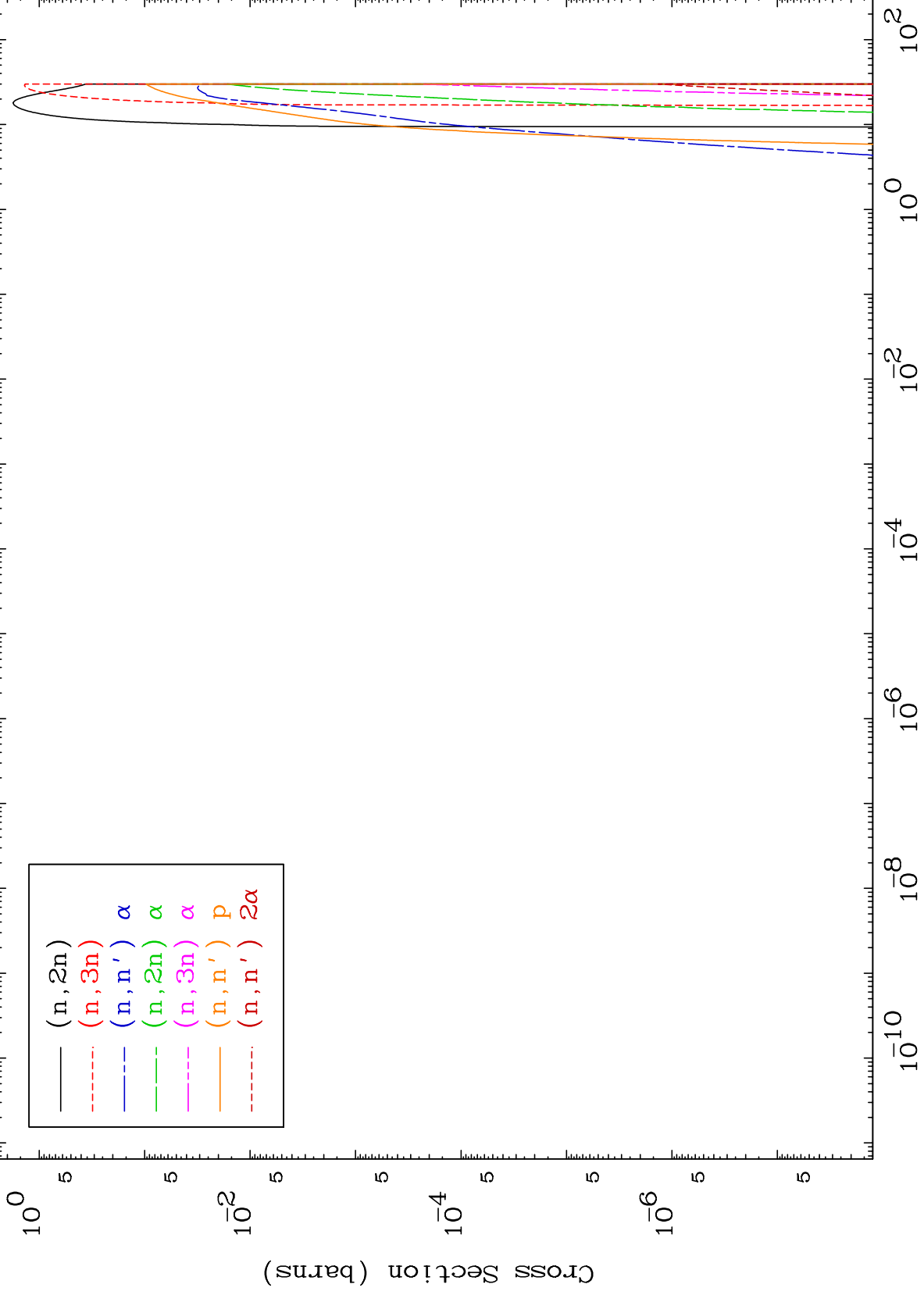
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7901

Neutron Production
293 Kelvin Cross Sections

79-Au-189



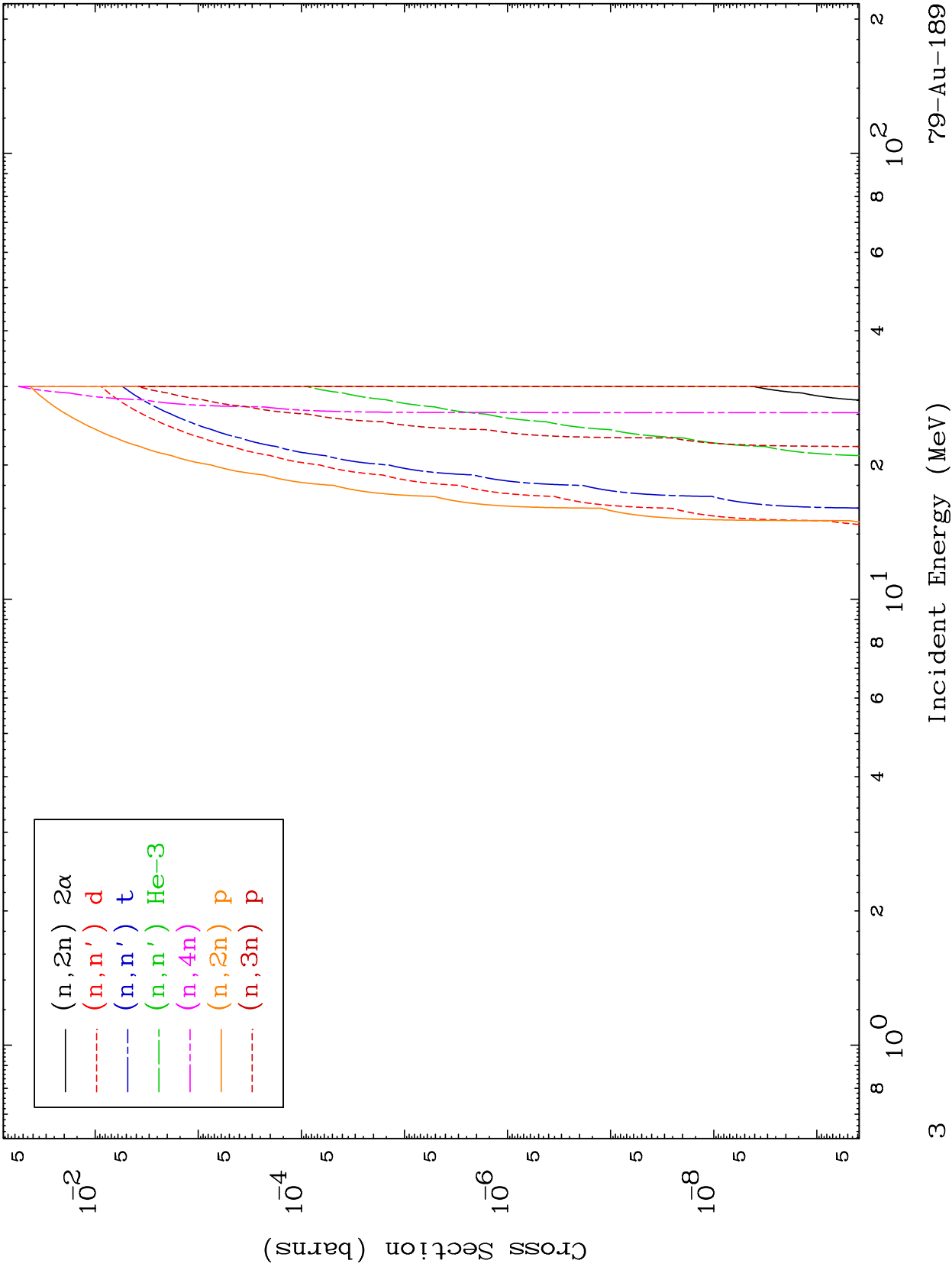
79-Au-189

Incident Energy (MeV)

MAT 7901

Neutron Production
293 Kelvin Cross Sections

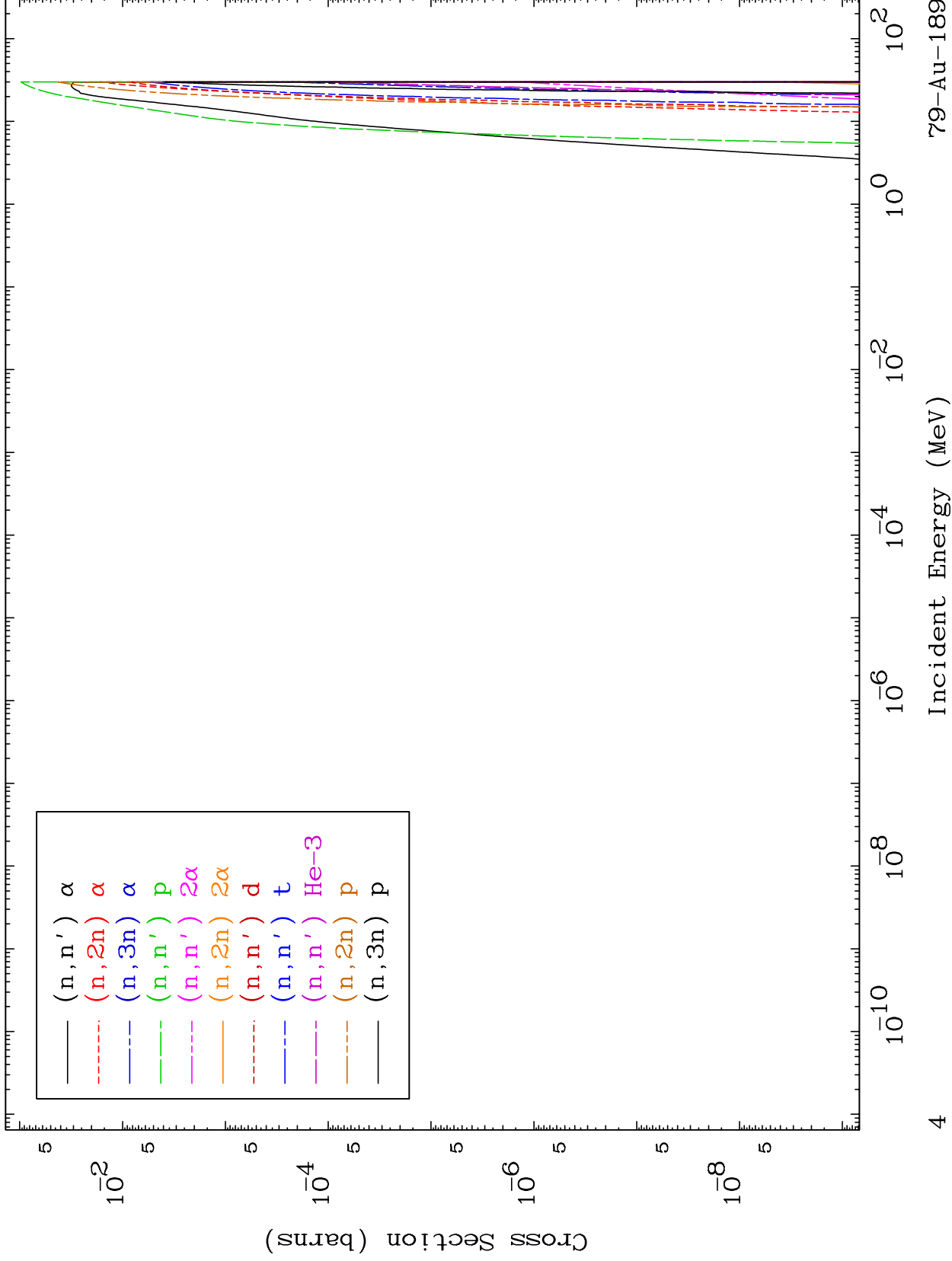
79-Au-189



MAT 7901

Charged Particle
293 Kelvin Cross Sections

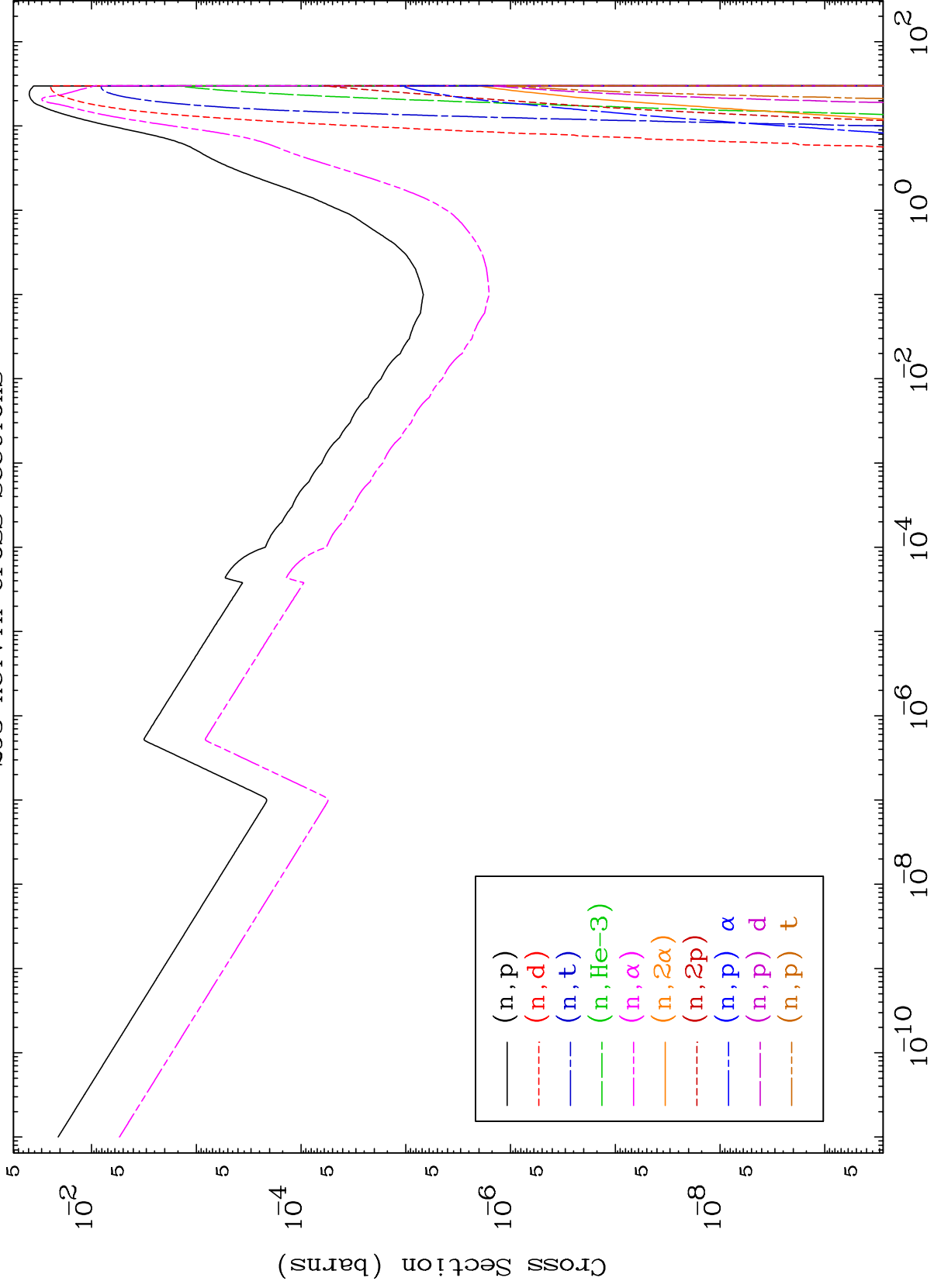
79-Au-189



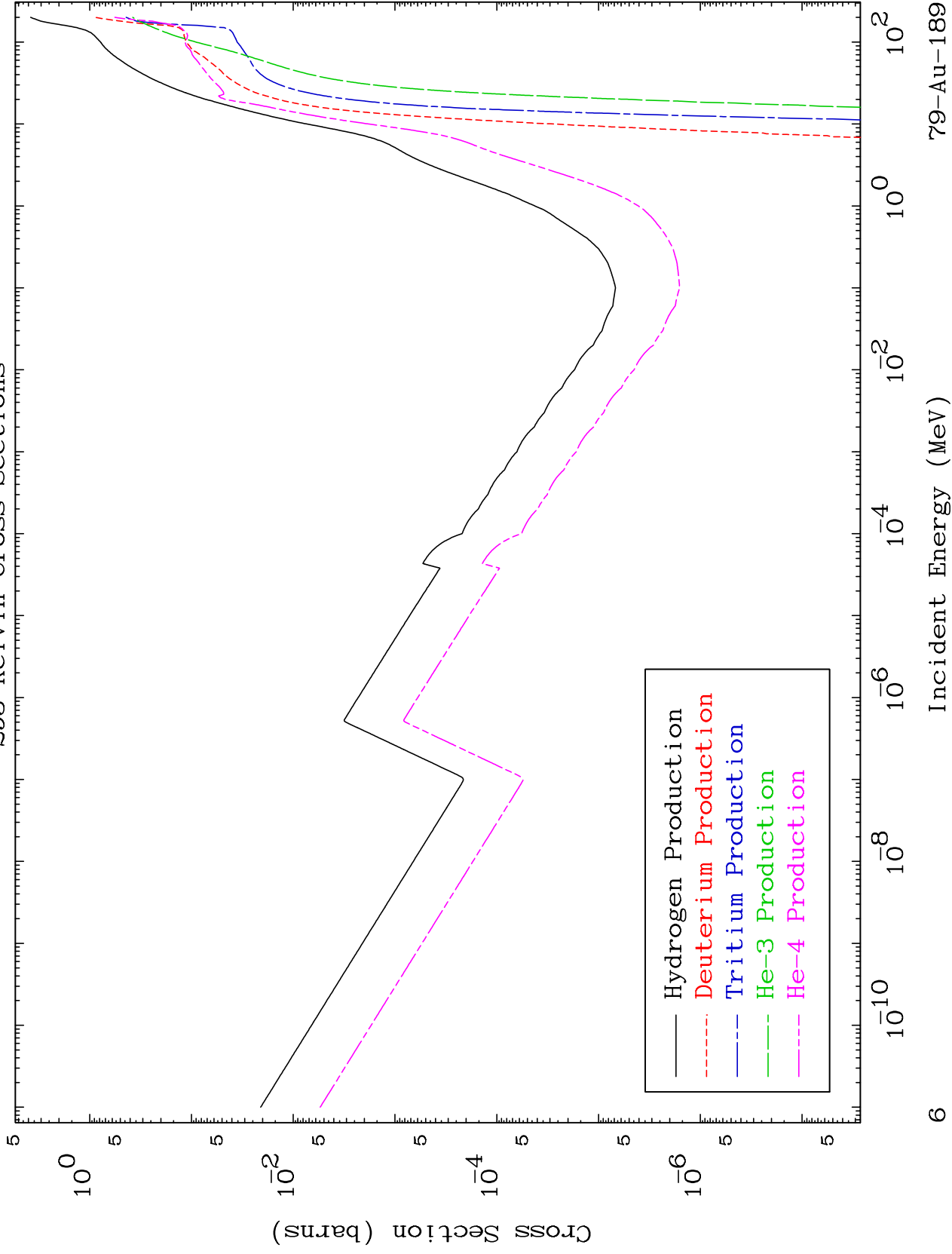
MAT 7901

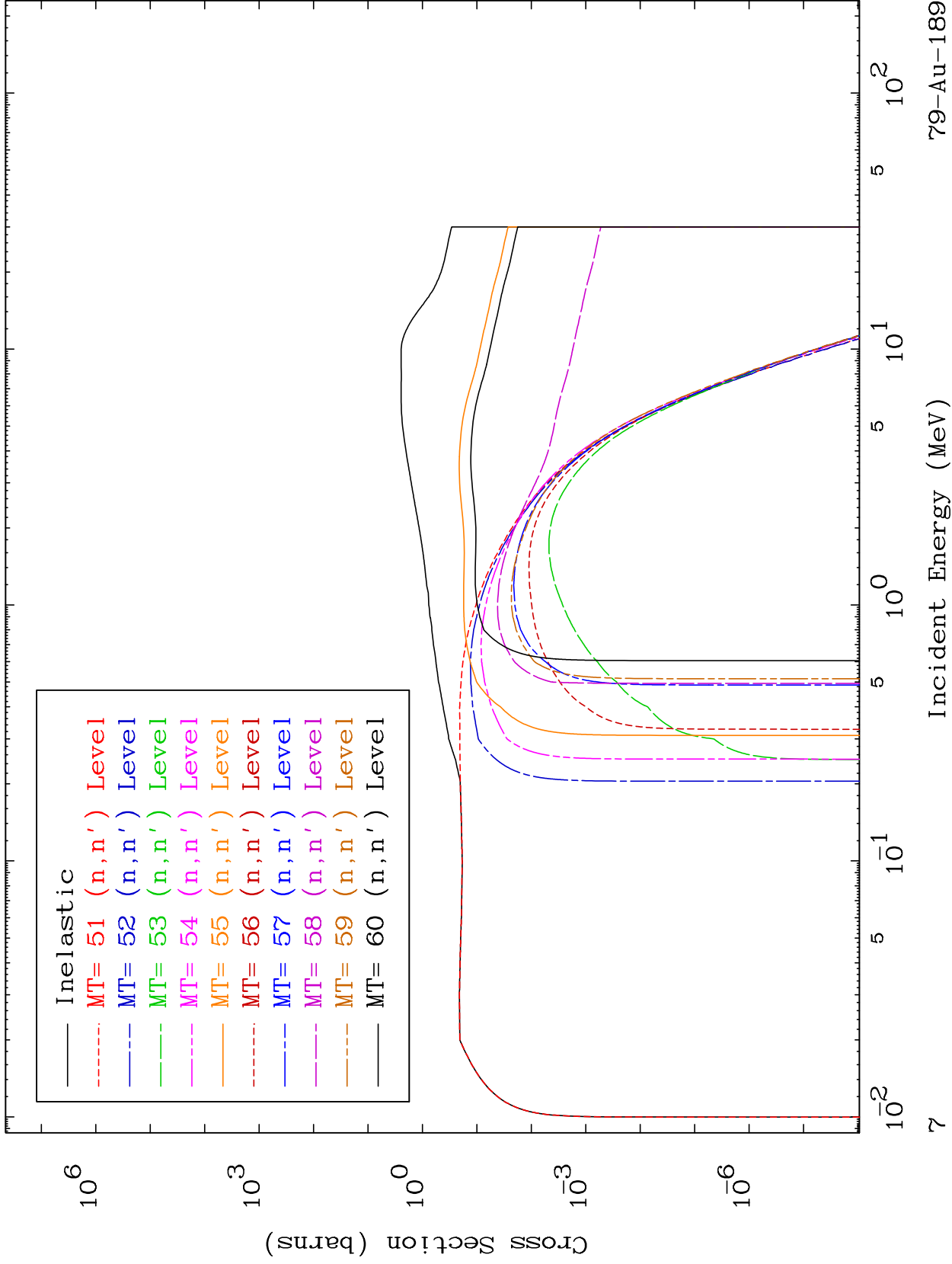
Charged Particle
293 Kelvin Cross Sections

79-Au-189



5



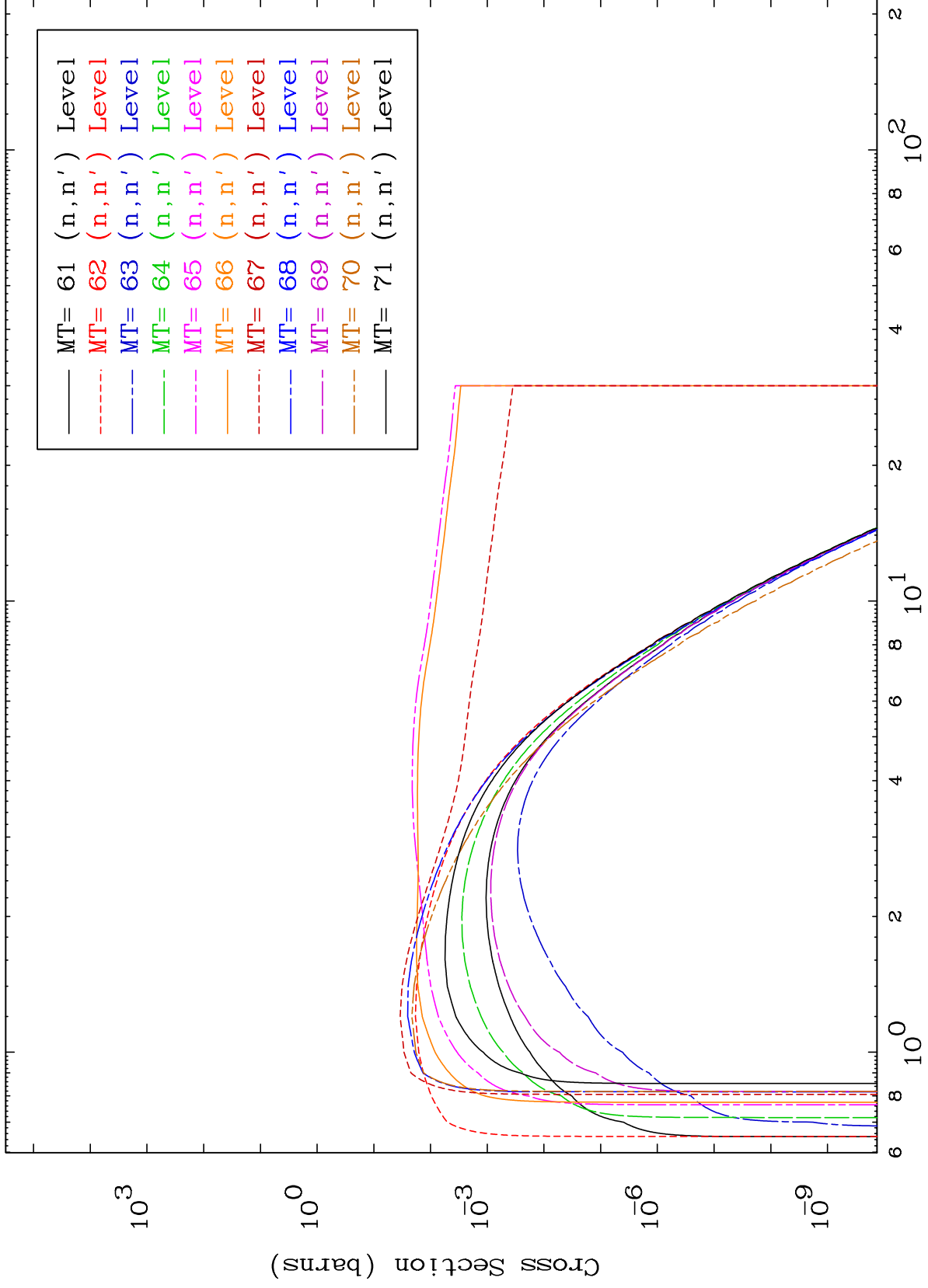


MAT 7901

(n,n') Level

79-Au-189

293 Kelvin Cross Sections



Incident Energy (MeV)

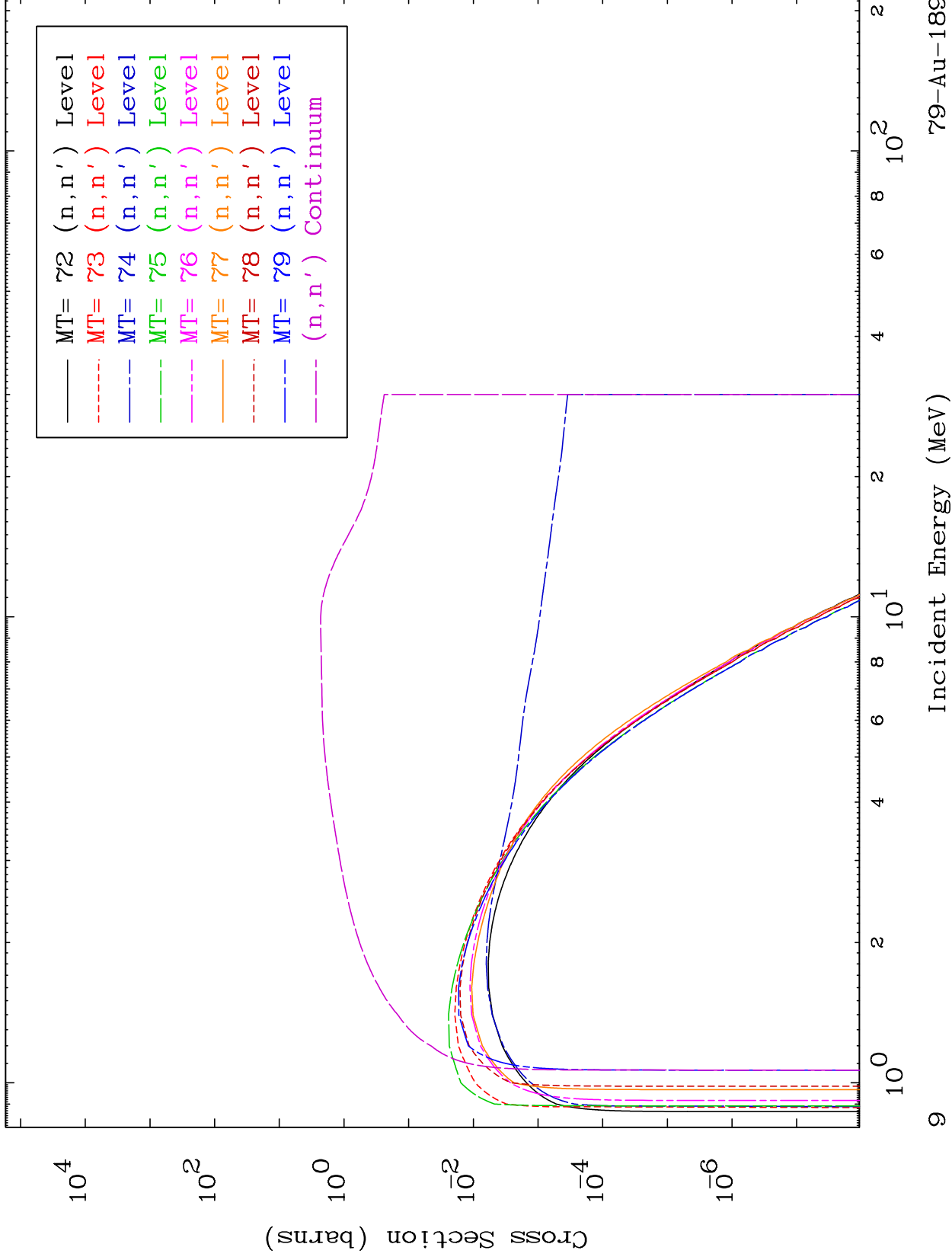
79-Au-189

8

MAT 7901

(n,n') Level
293 Kelvin Cross Sections

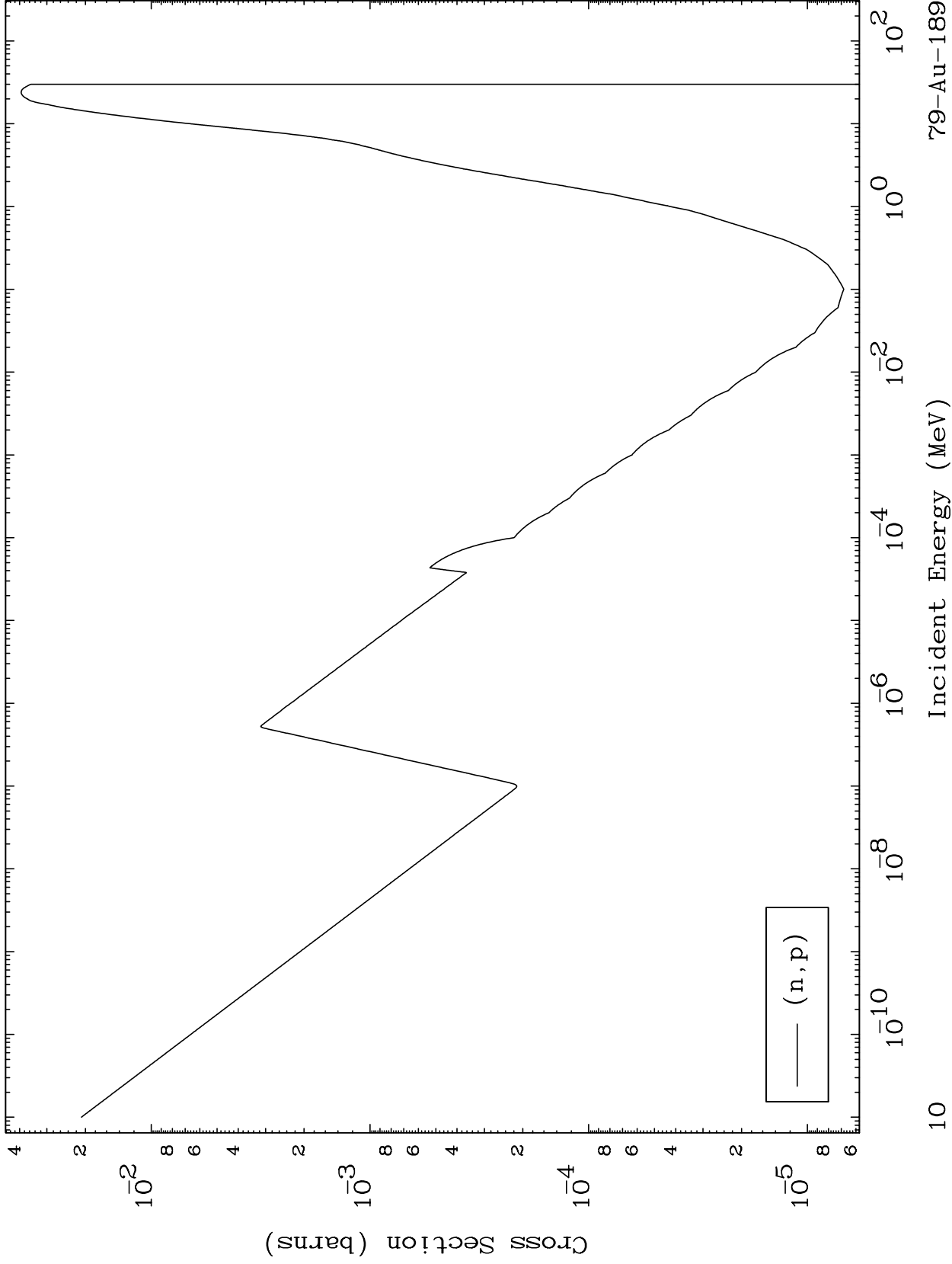
79-Au-189



MAT 7901

(n,p) Levels
293 Kelvin Cross Sections

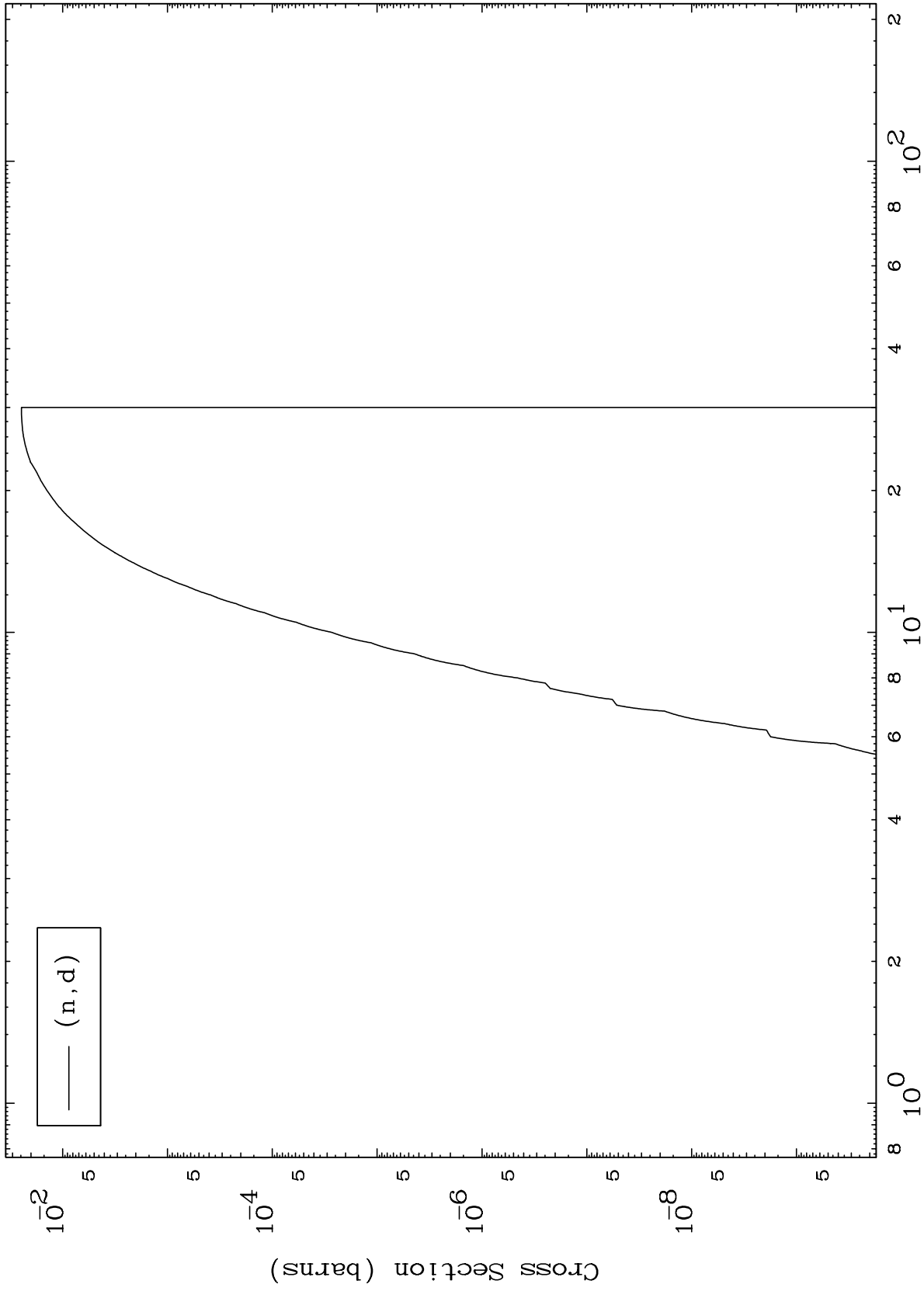
79-Au-189



MAT 7901

(n,d) Levels
293 Kelvin Cross Sections

79-Au-189



11

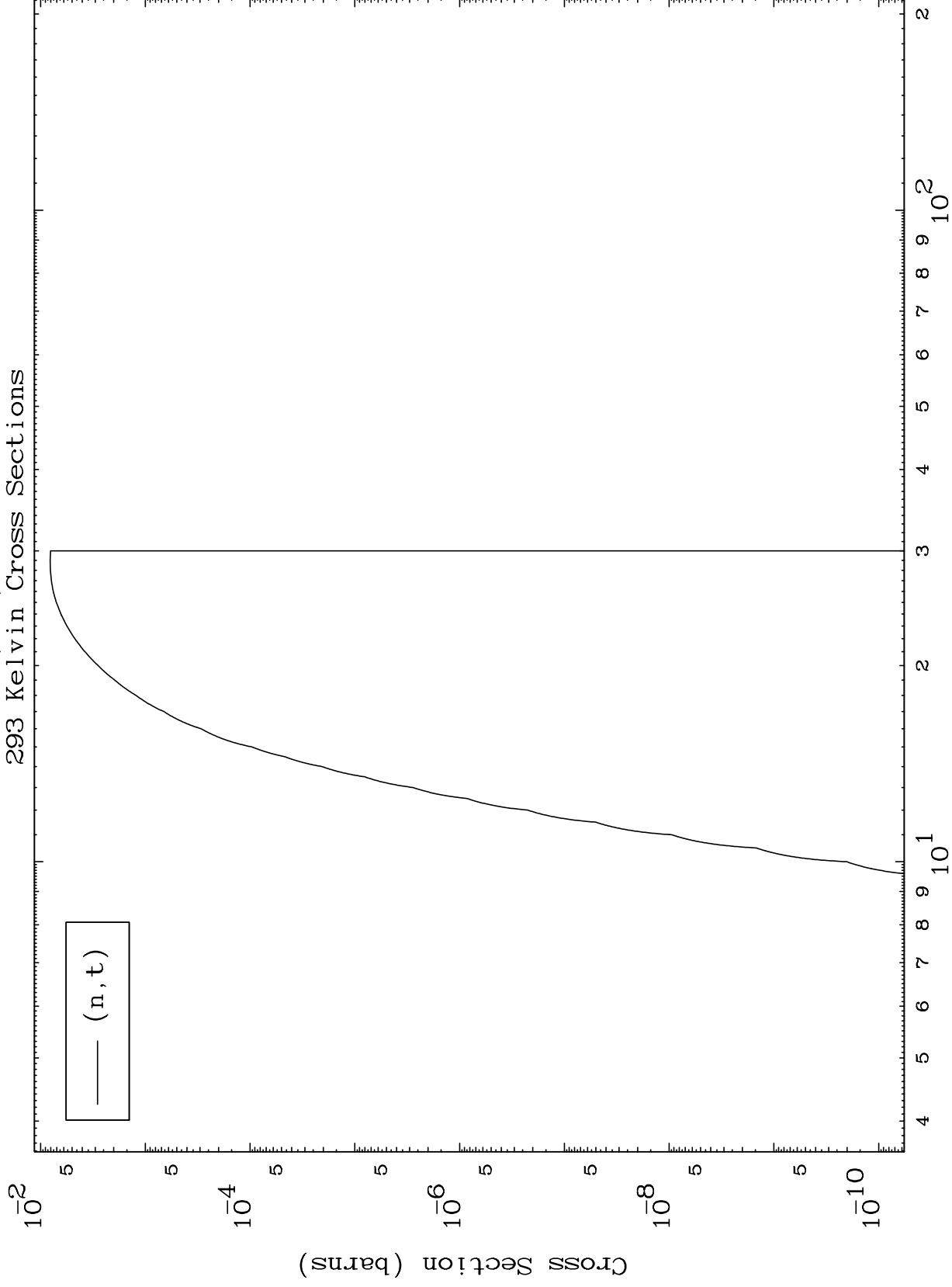
Incident Energy (MeV)

79-Au-189

MAT 7901

(n,t) Levels
293 Kelvin Cross Sections

79-Au-189



12

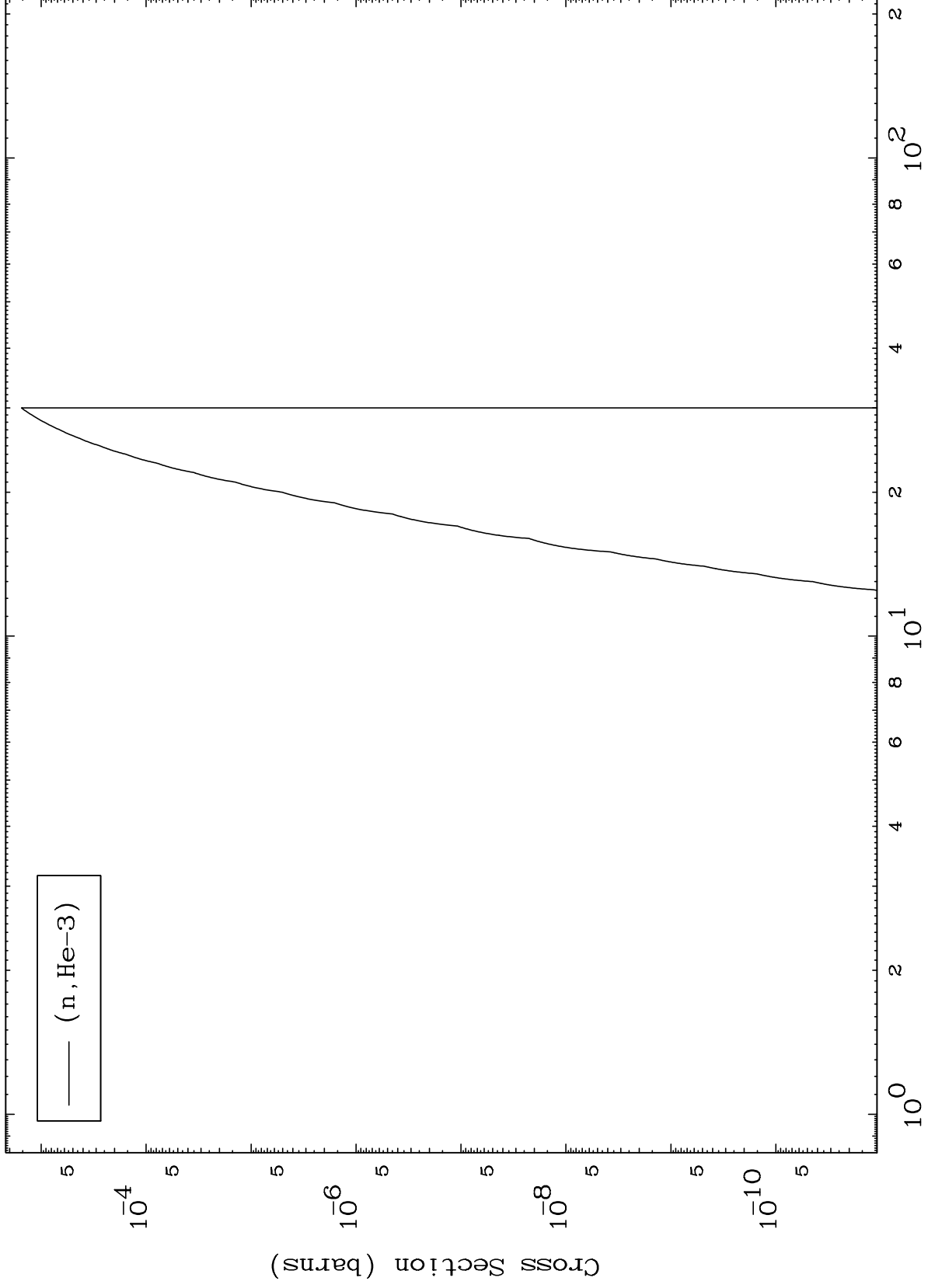
Incident Energy (MeV)

79-Au-189

MAT 7901

(n,He3) Levels
293 Kelvin Cross Sections

79-Au-189



13

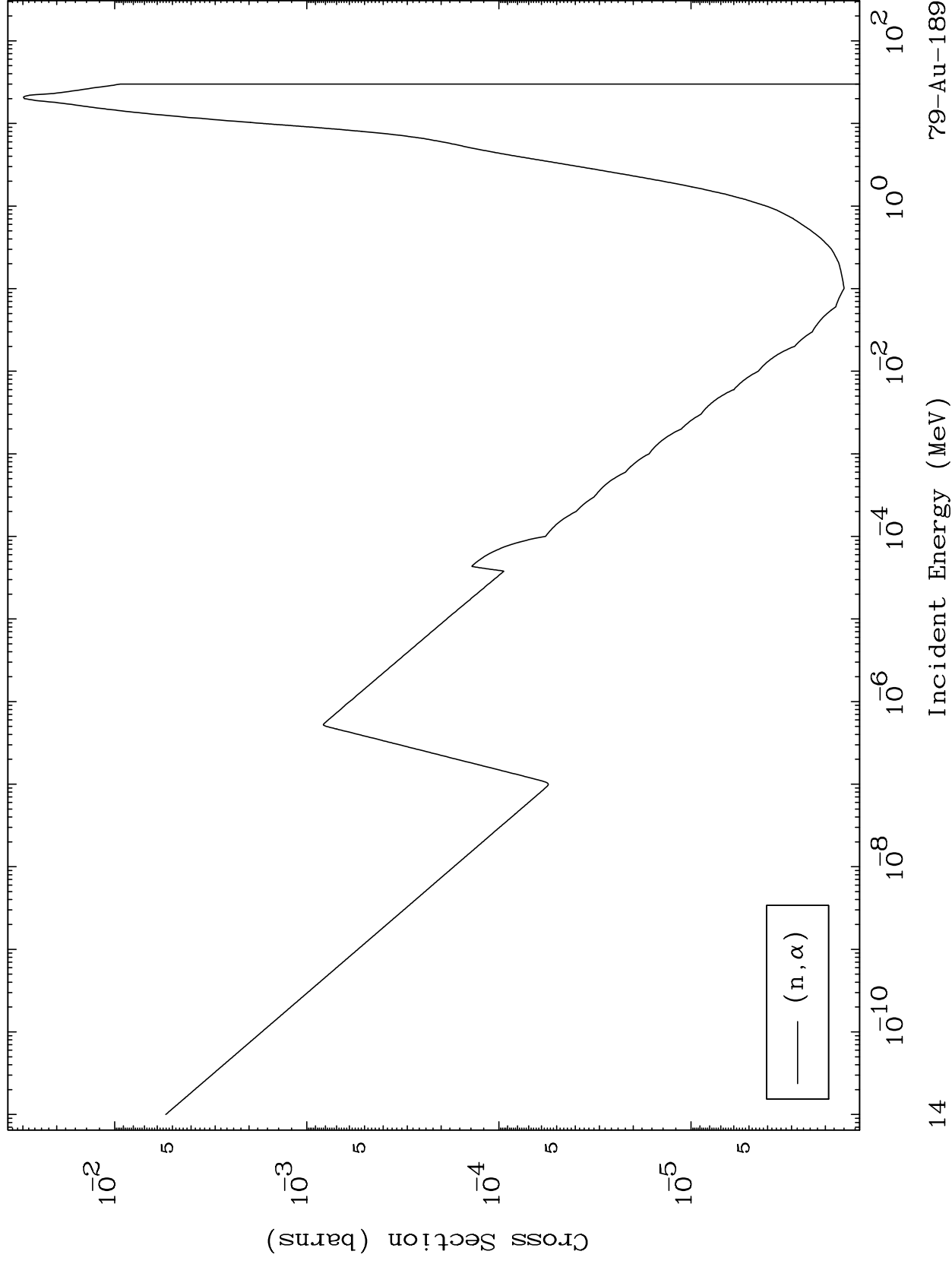
Incident Energy (MeV)

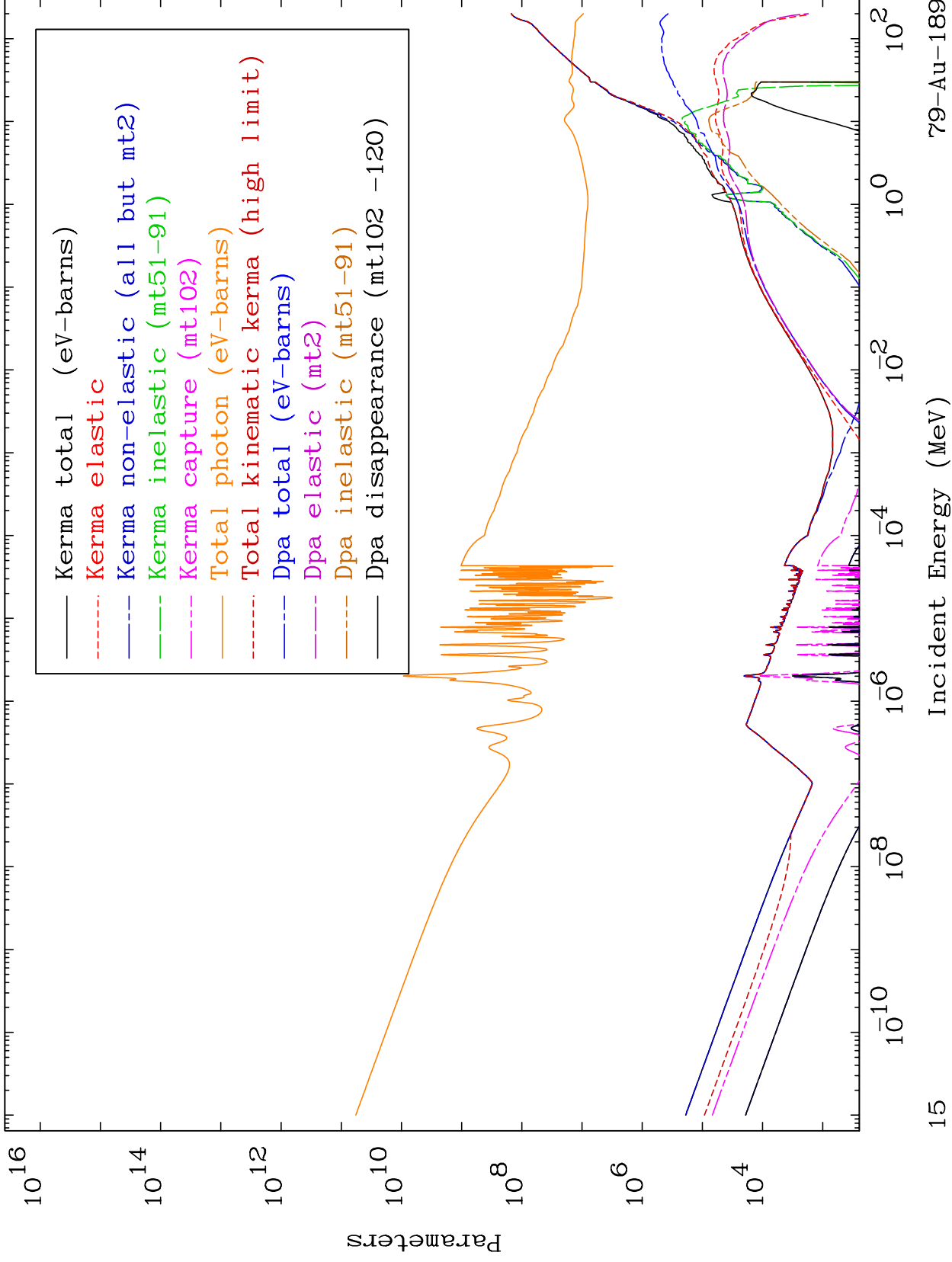
79-Au-189

MAT 7901

(n,α) Levels
293 Kelvin Cross Sections

79-Au-189

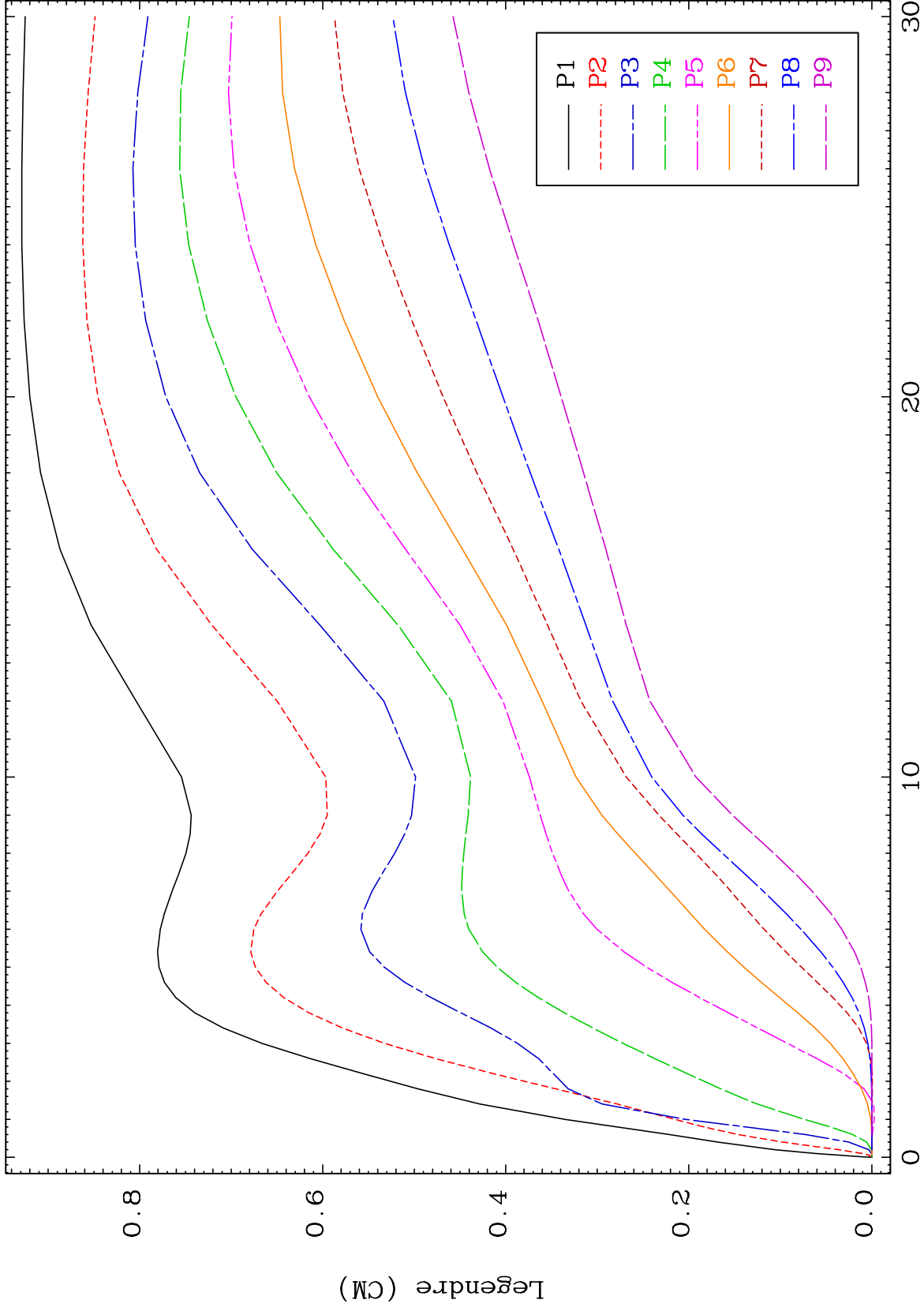




MAT 7901

79-Au-189

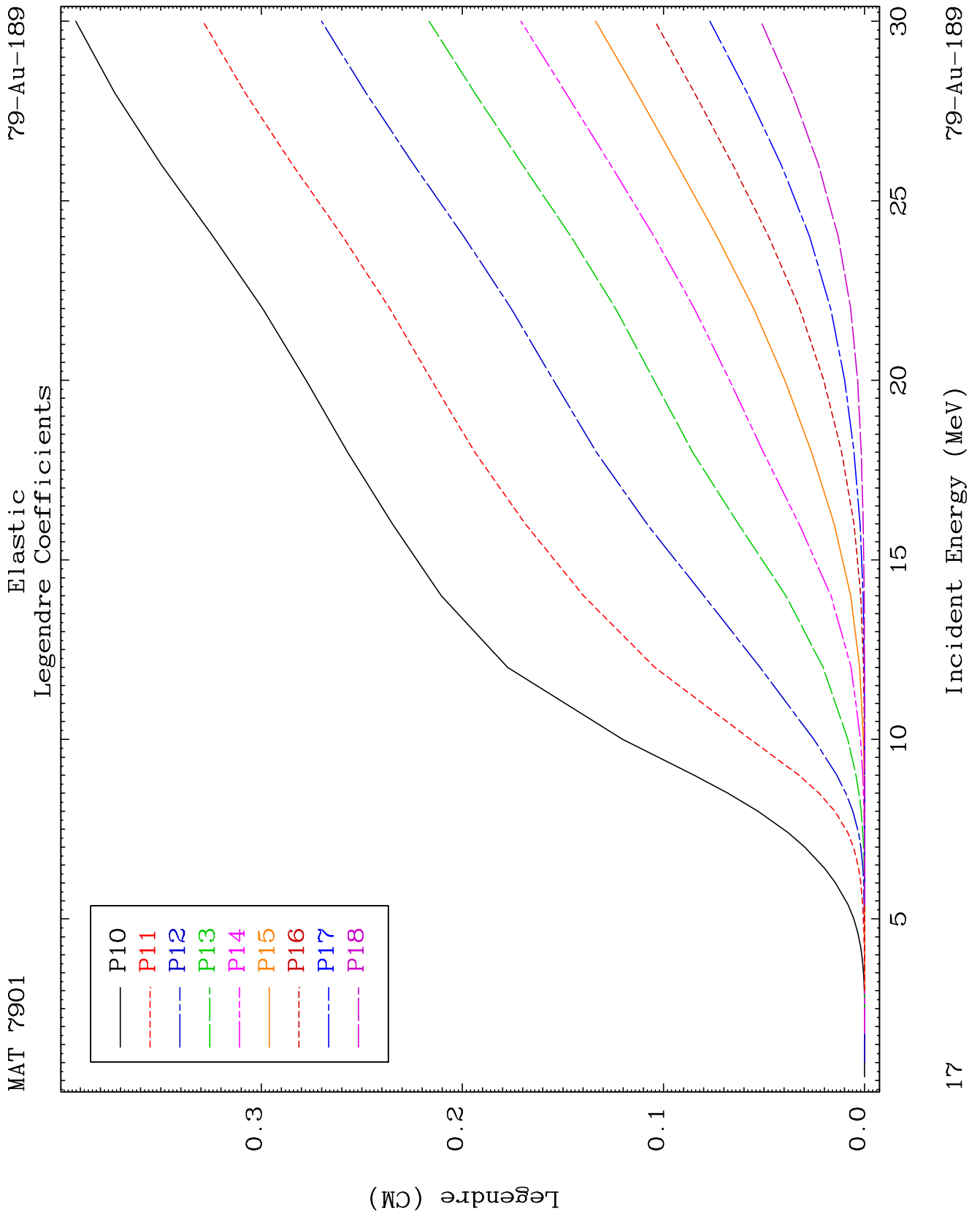
Elastic Legendre Coefficients



79-Au-189

Incident Energy (MeV)

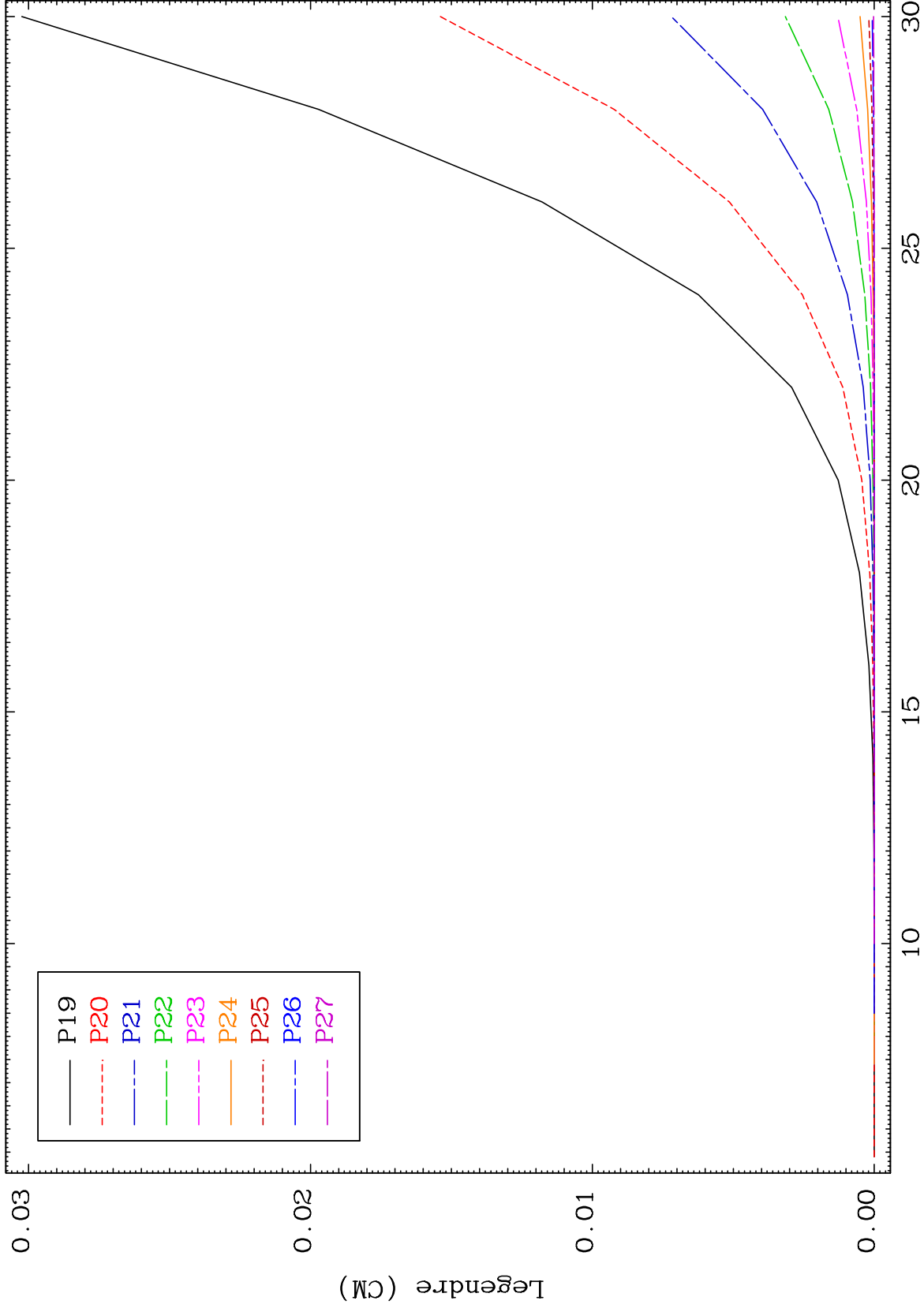
16



MAT 7901

Elastic
Legendre Coefficients

79-Au-189



18

Incident Energy (MeV)

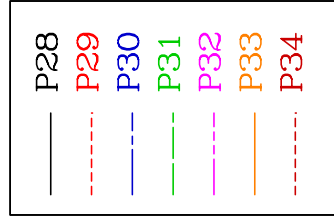
79-Au-189

30

MAT 7901

Elastic
Legendre Coefficients

79-Au-189



$\times 10^{-6}$

Legendre (CM)

10

15

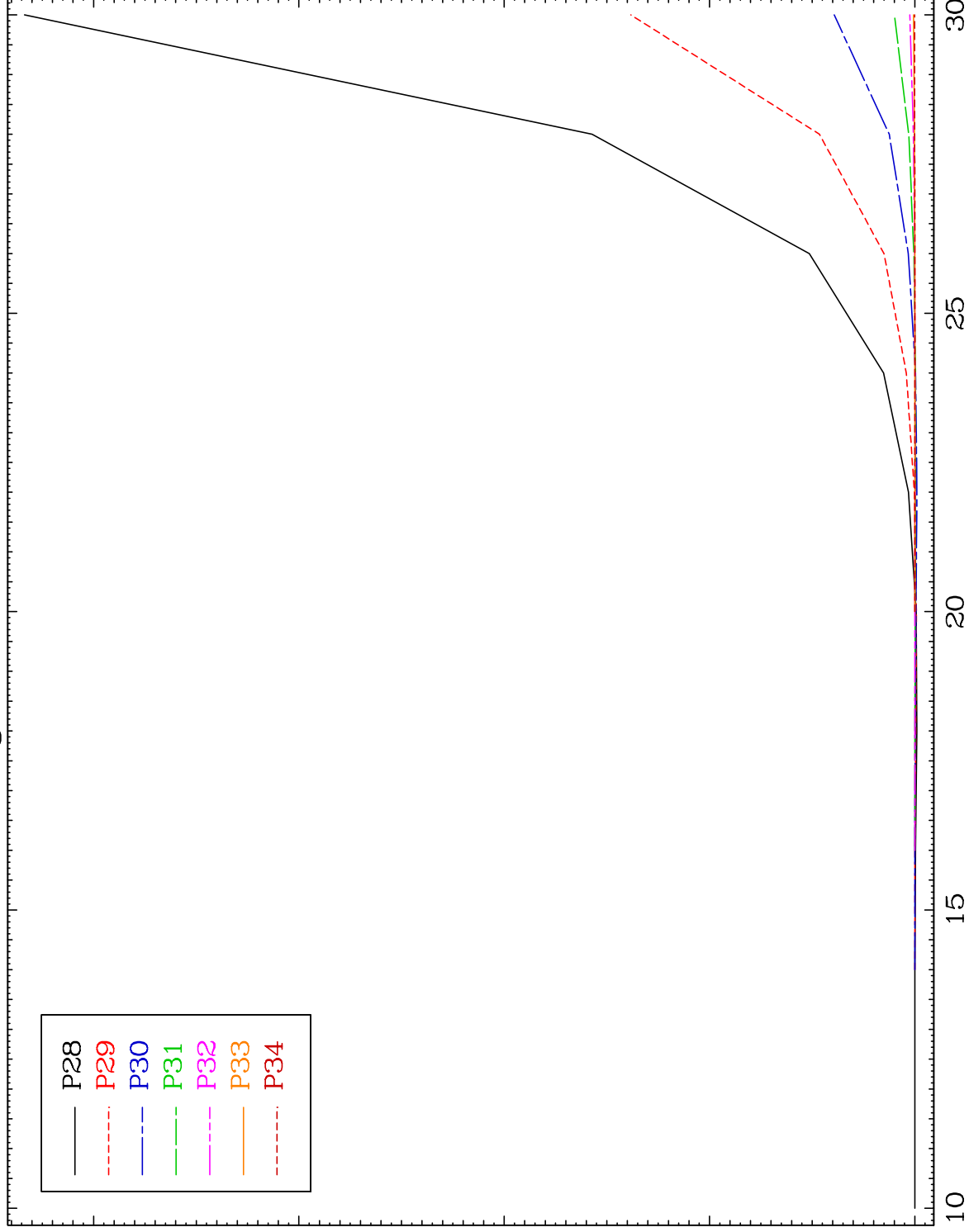
20

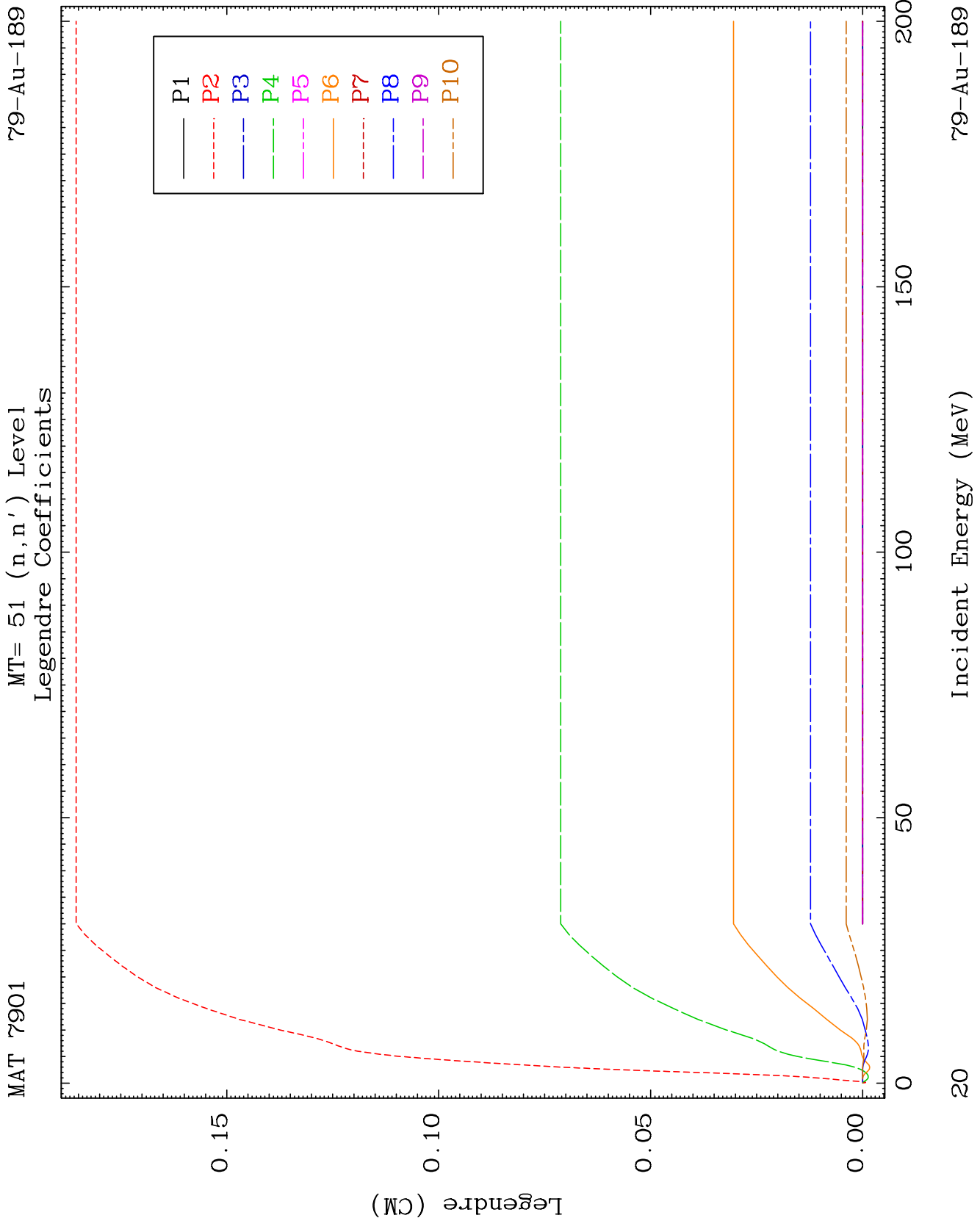
25

30

Incident Energy (MeV)

79-Au-189

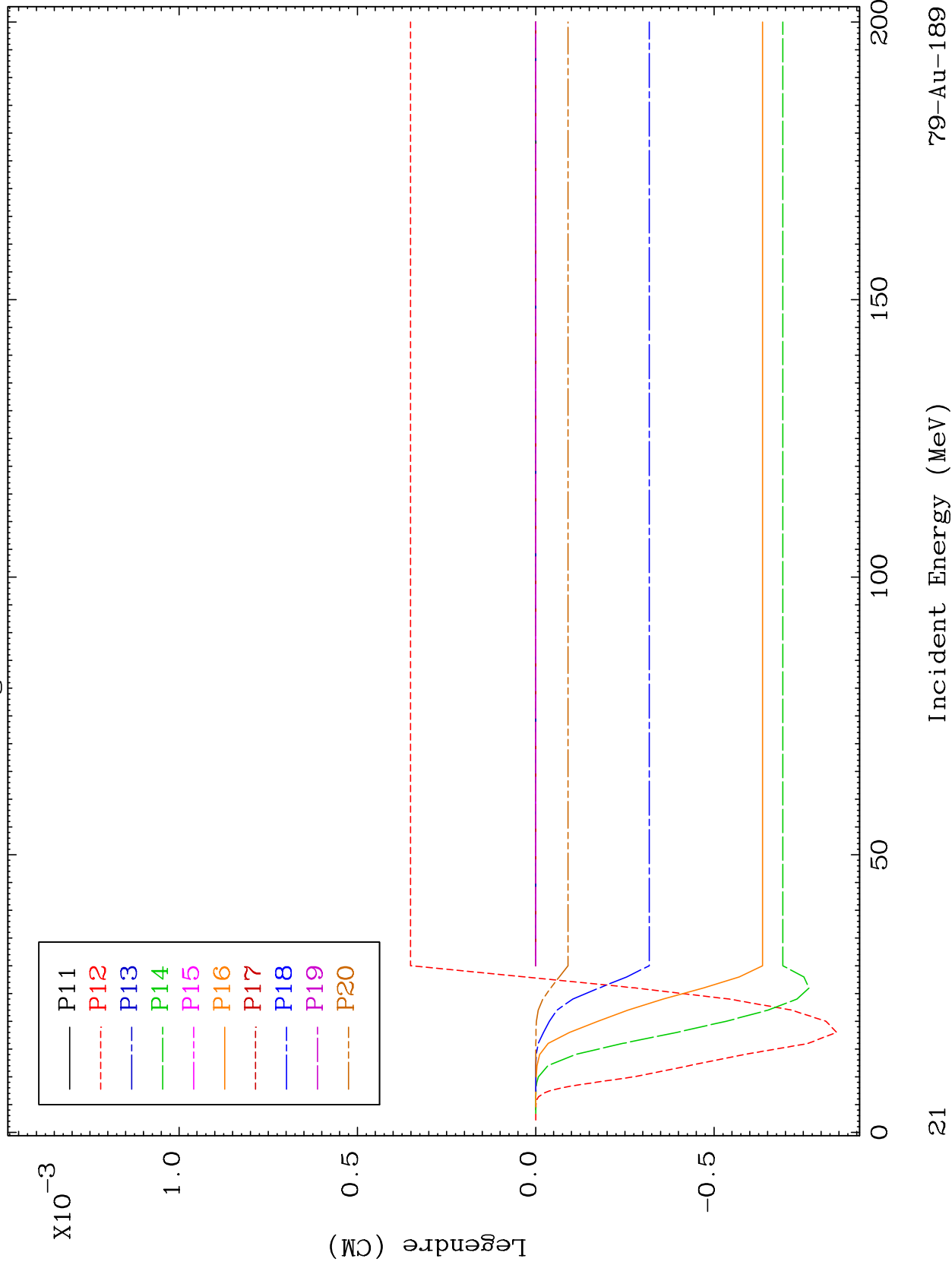




MAT 7901

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

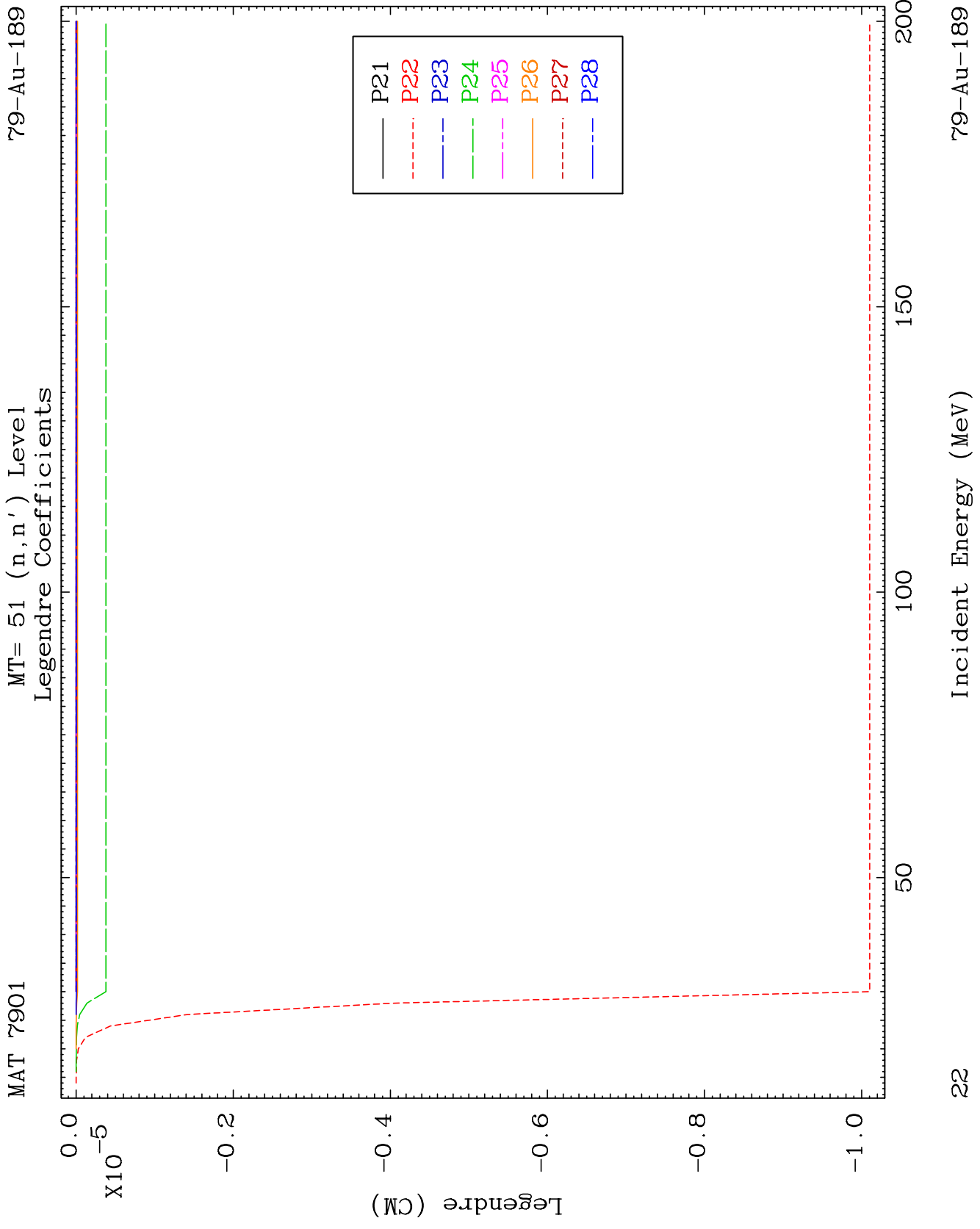
79-Au-189

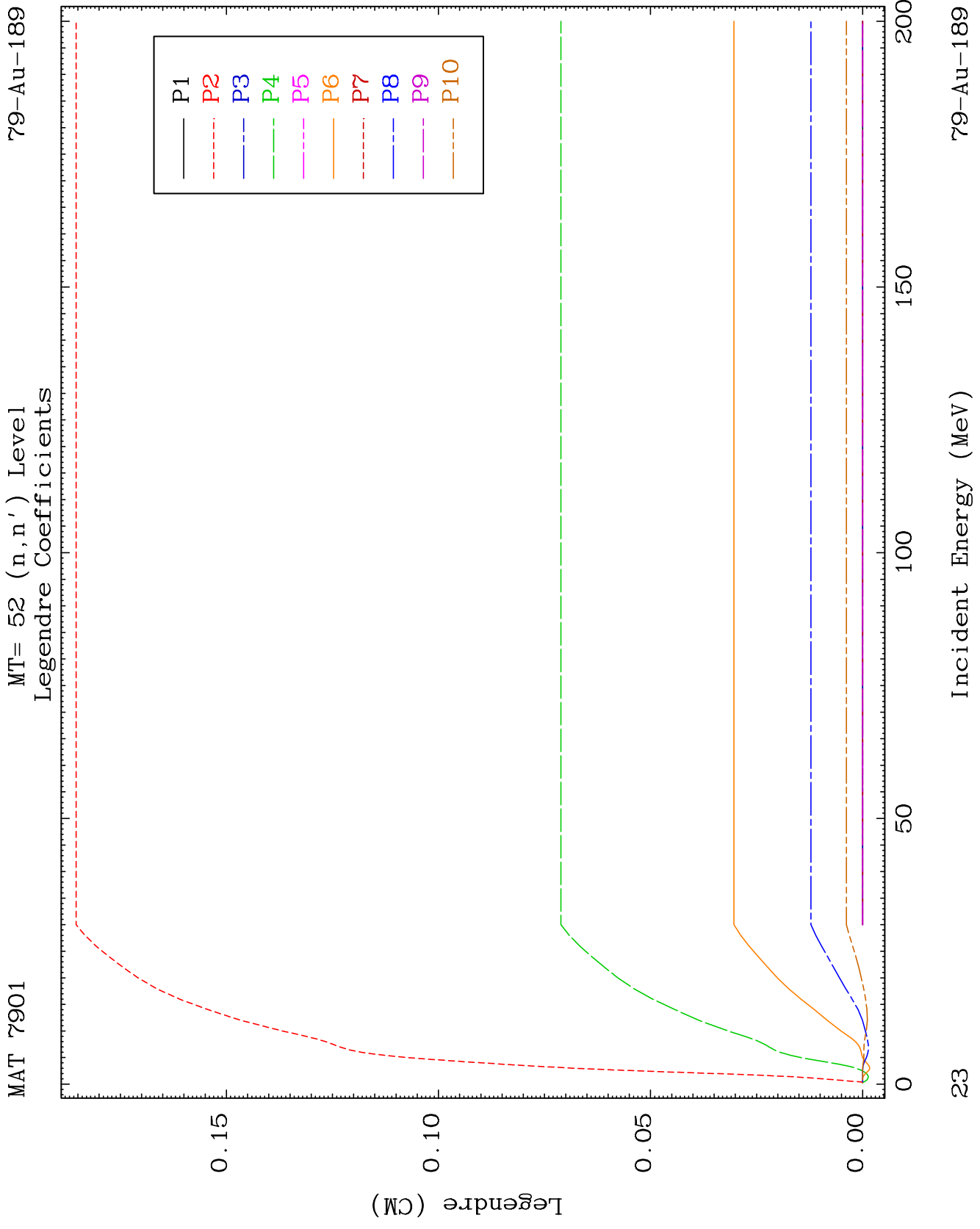


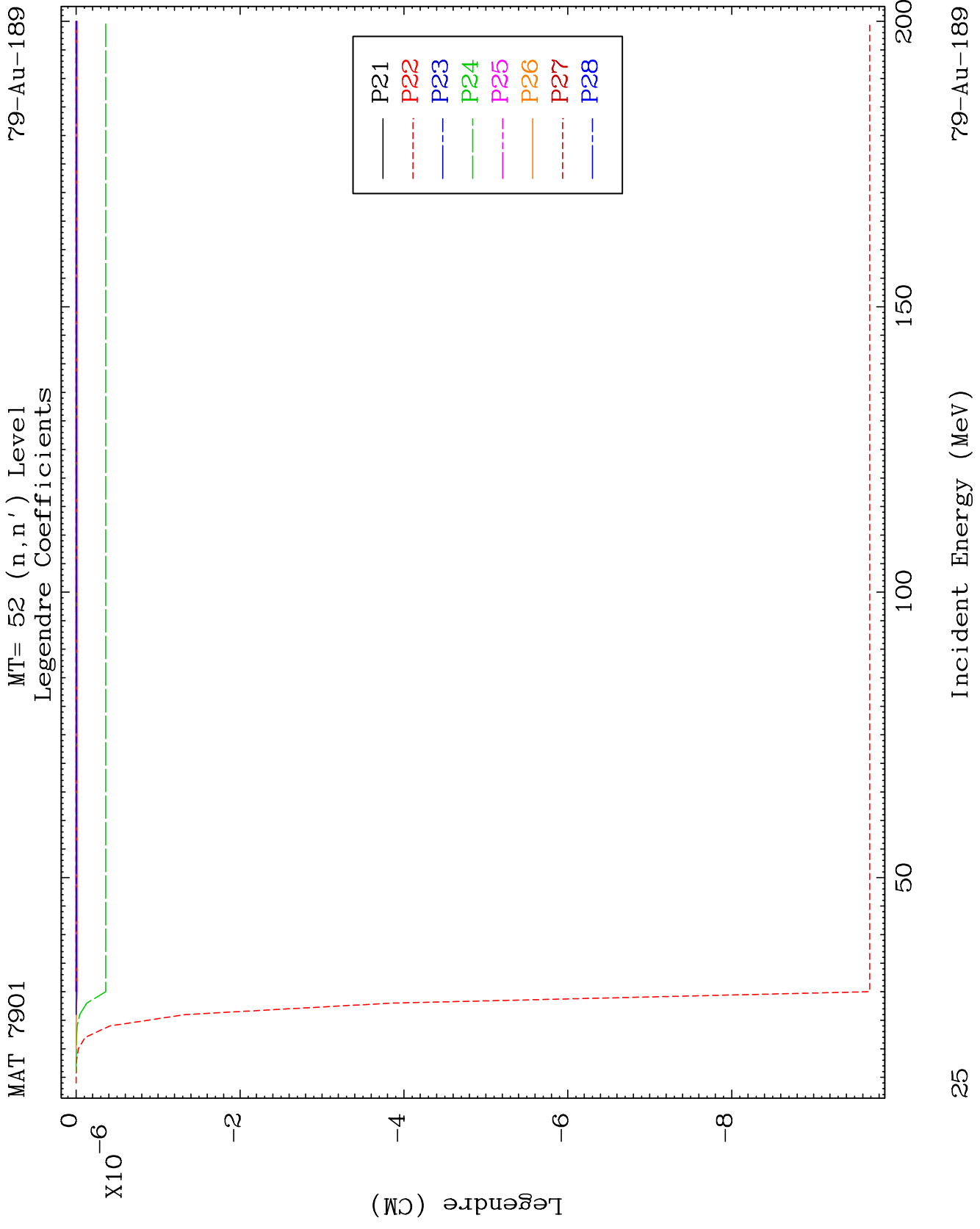
21

Incident Energy (MeV)

79-Au-189



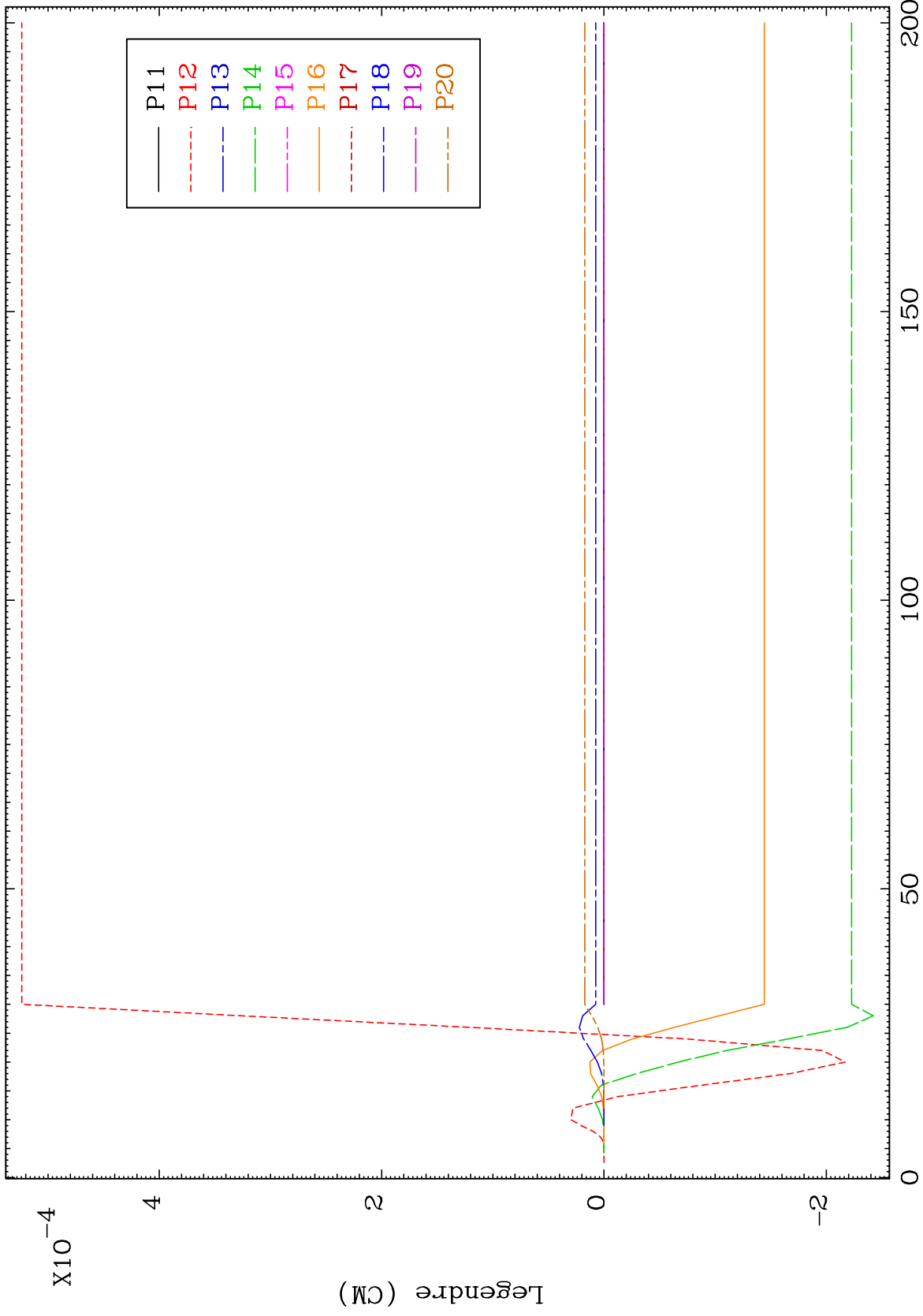




MAT 7901

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

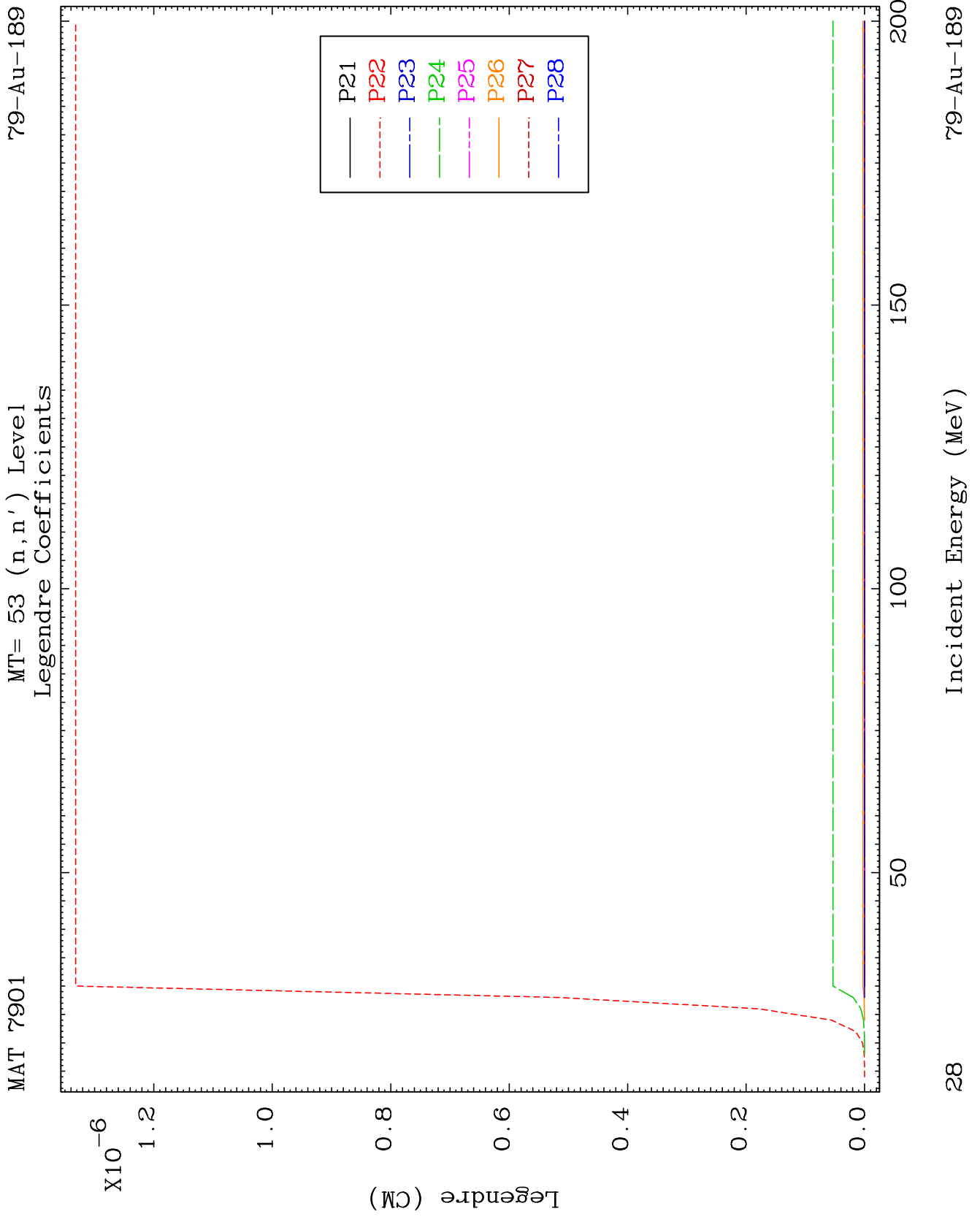
79-Au-189

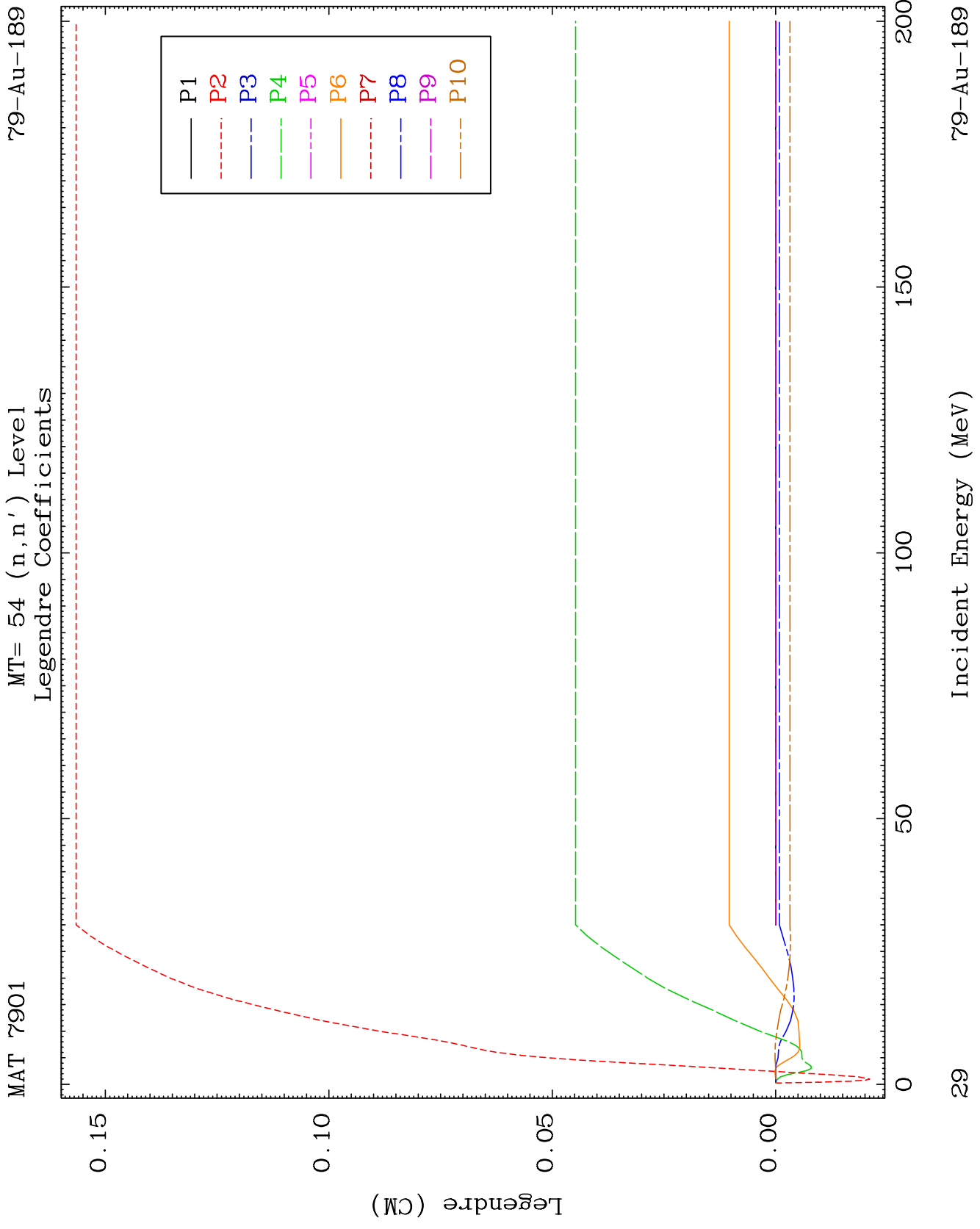


27

Incident Energy (MeV)

79-Au-189

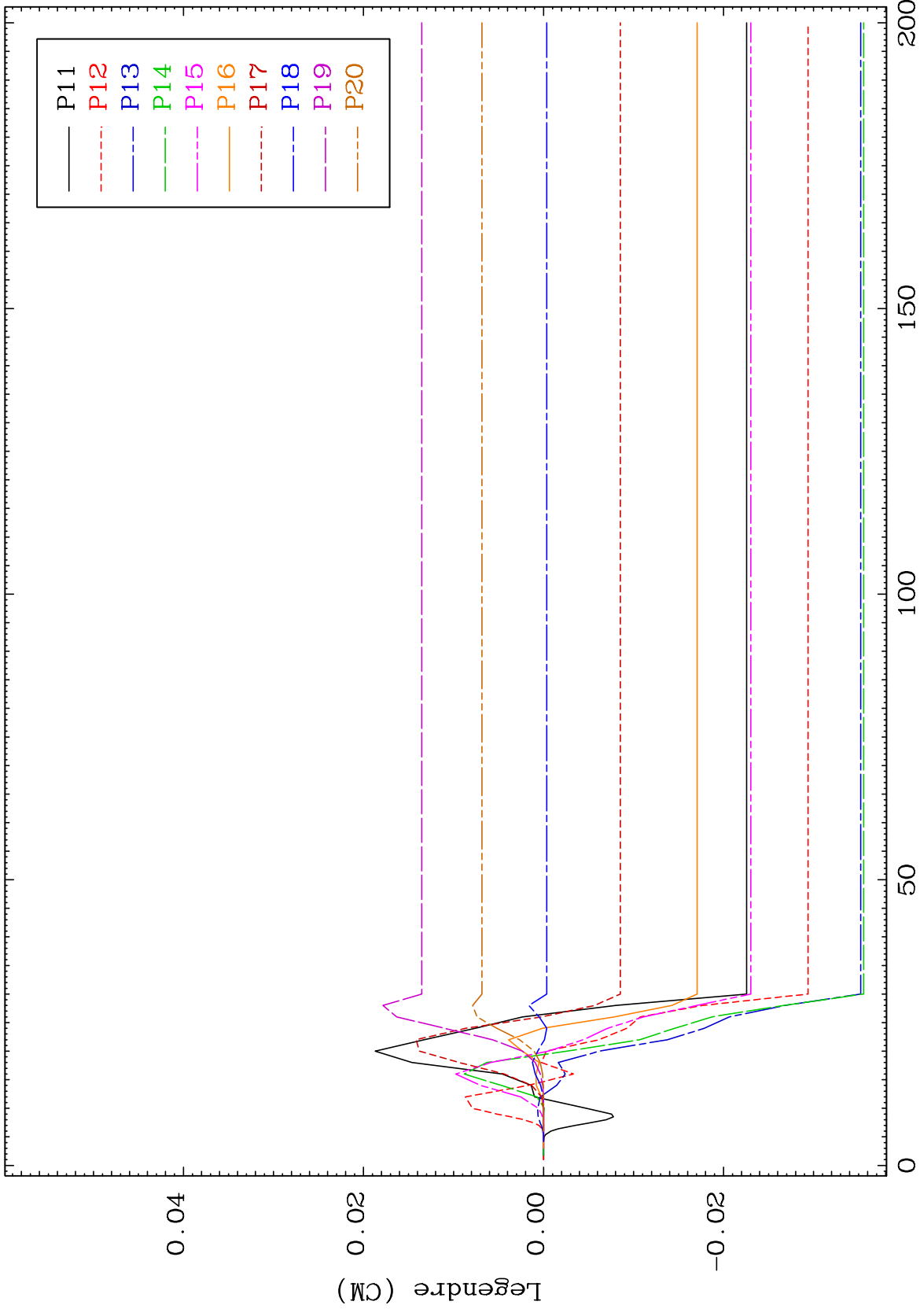




MAT 7901

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

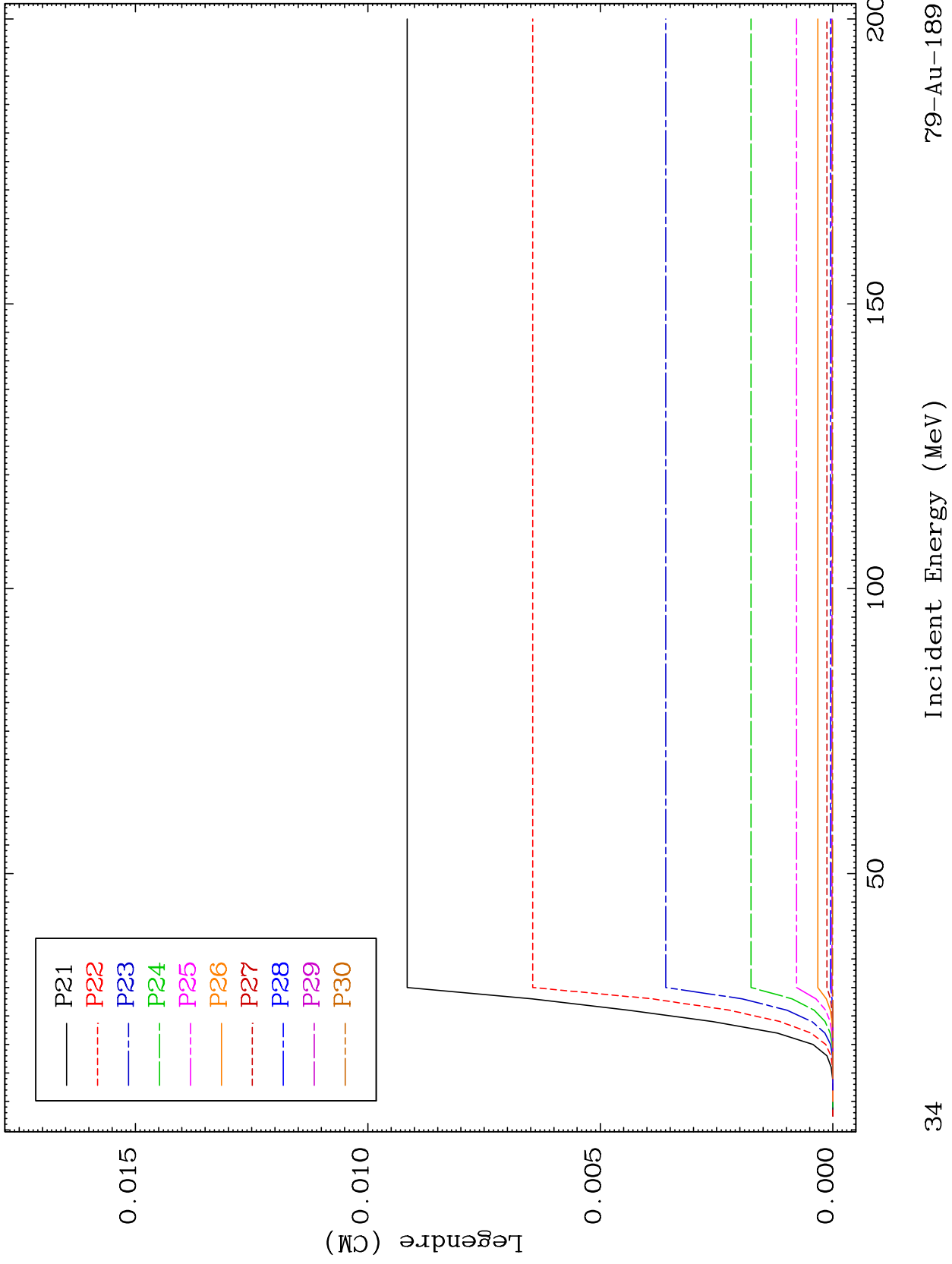
79-Au-189



33

Incident Energy (MeV)

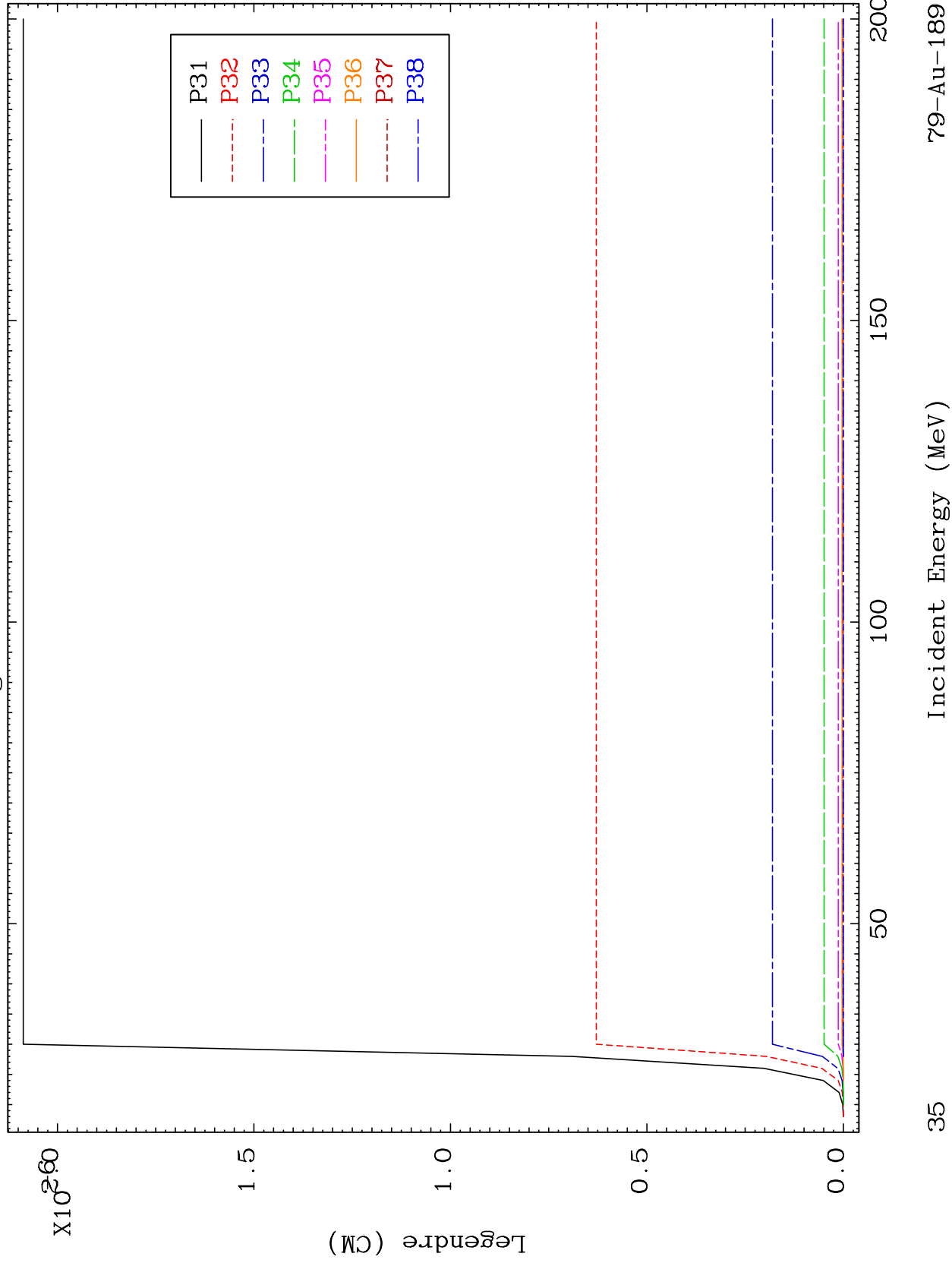
79-Au-189



MAT 7901

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

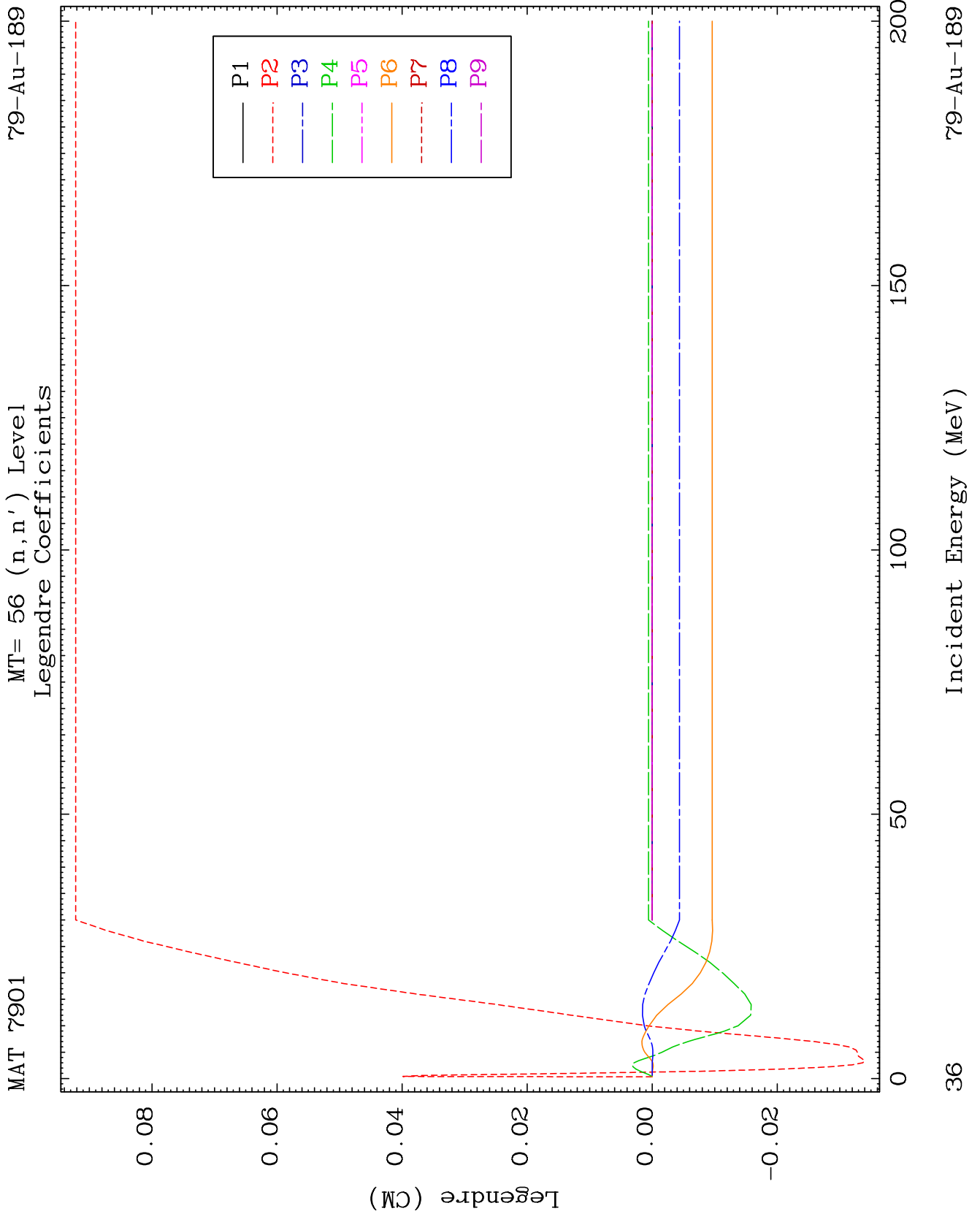
79-Au-189



35

Incident Energy (MeV)

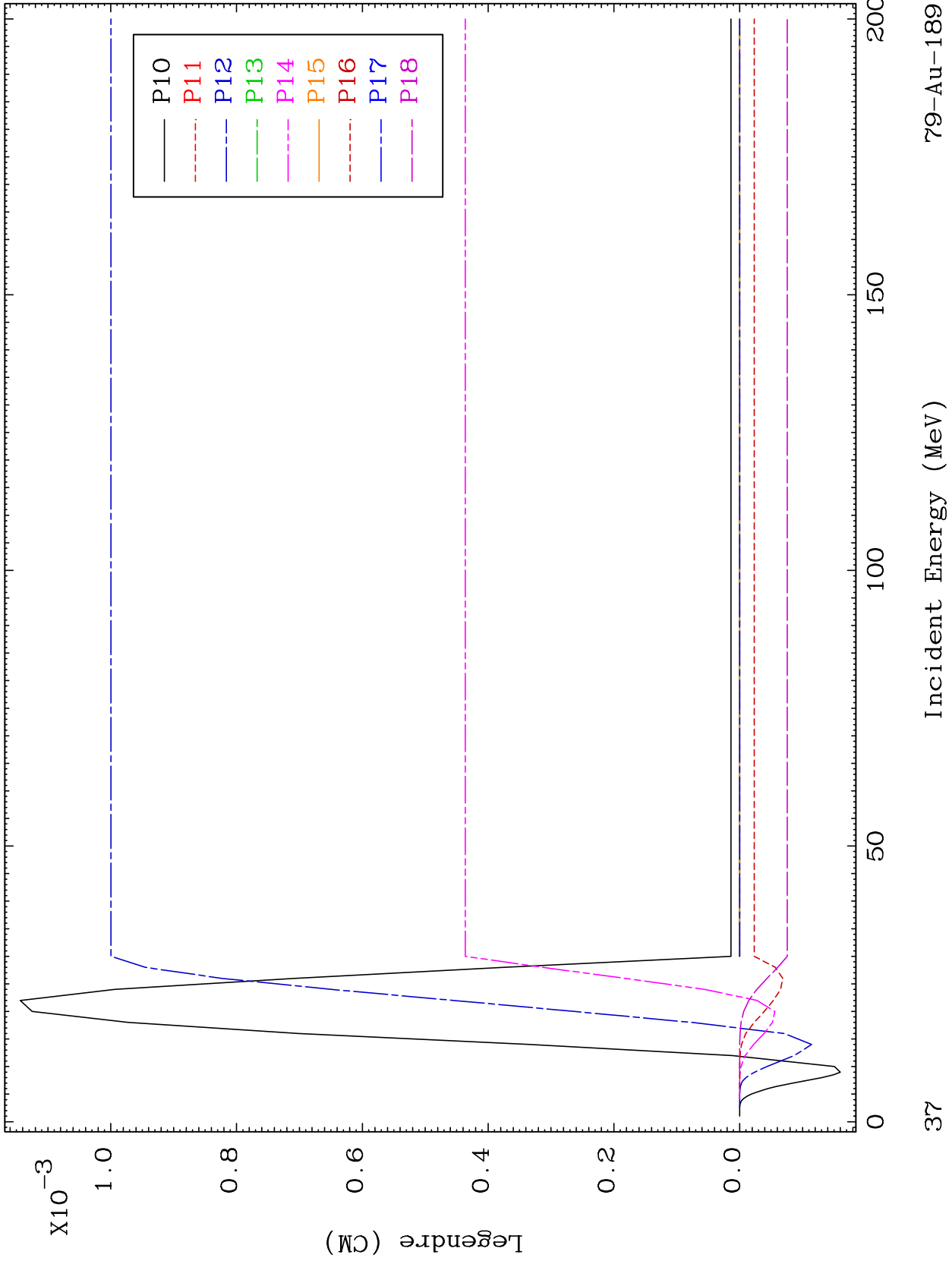
79-Au-189

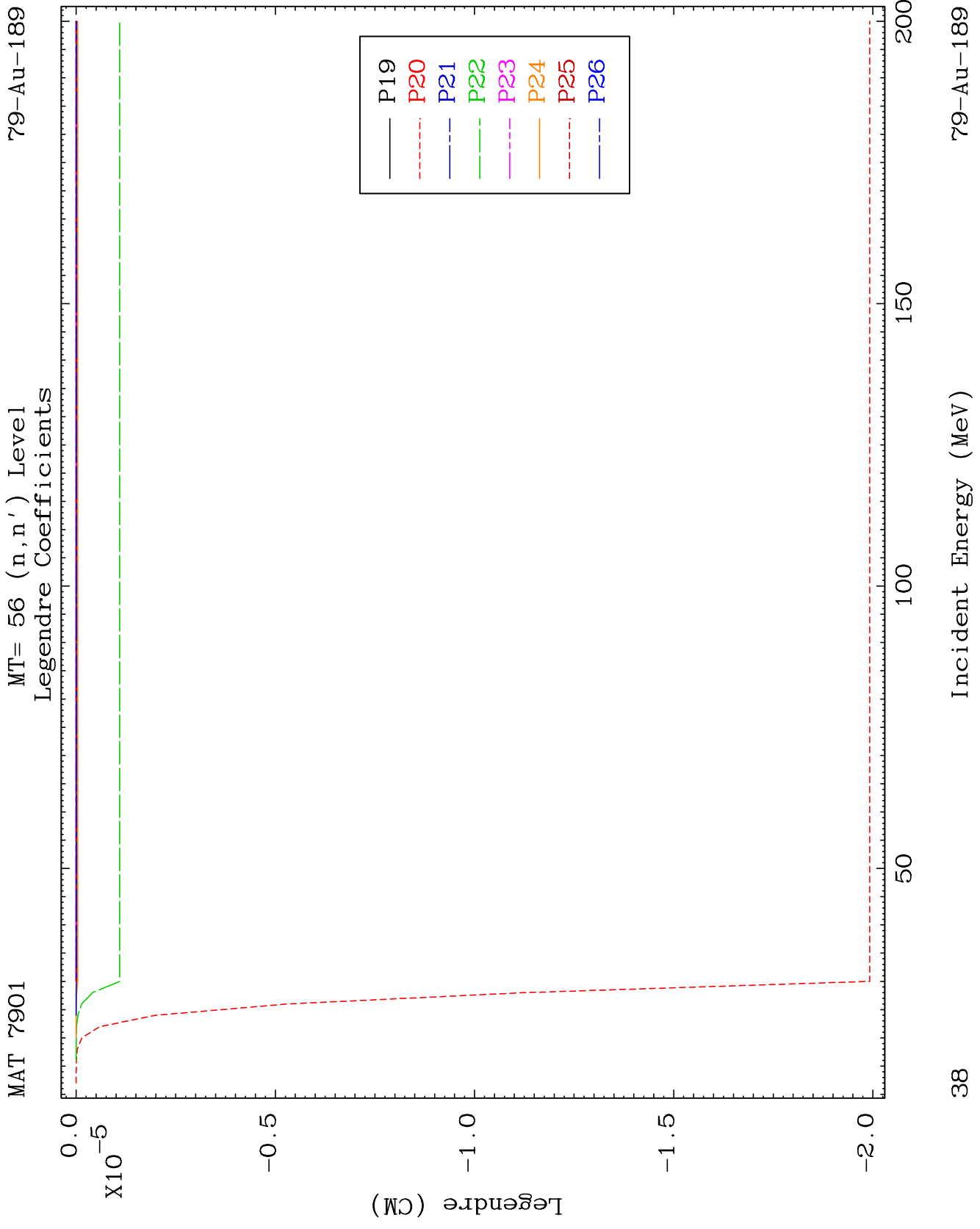


MAT 7901

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

79-Au-189

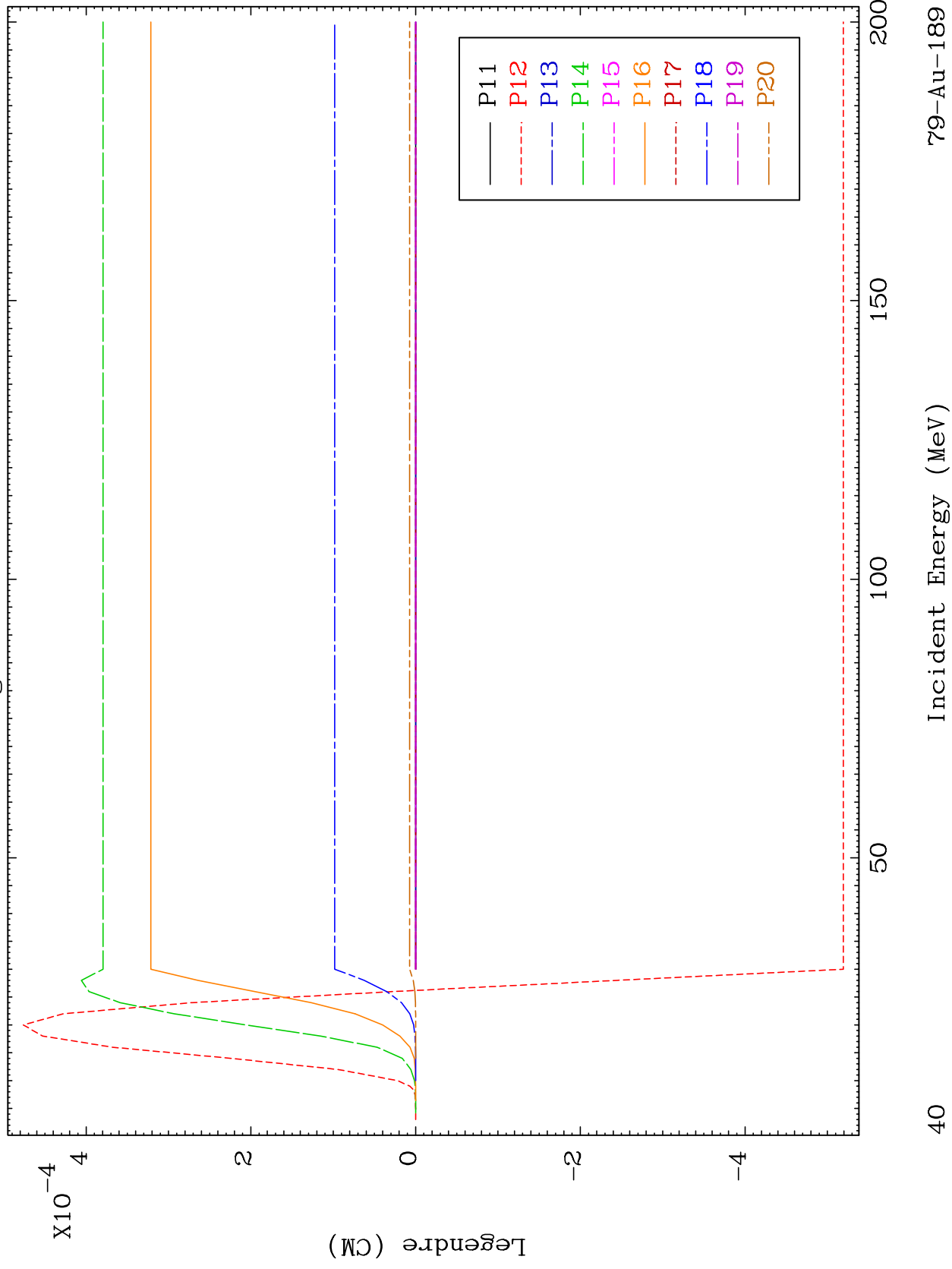




MAT 7901

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

79-Au-189



79-Au-189

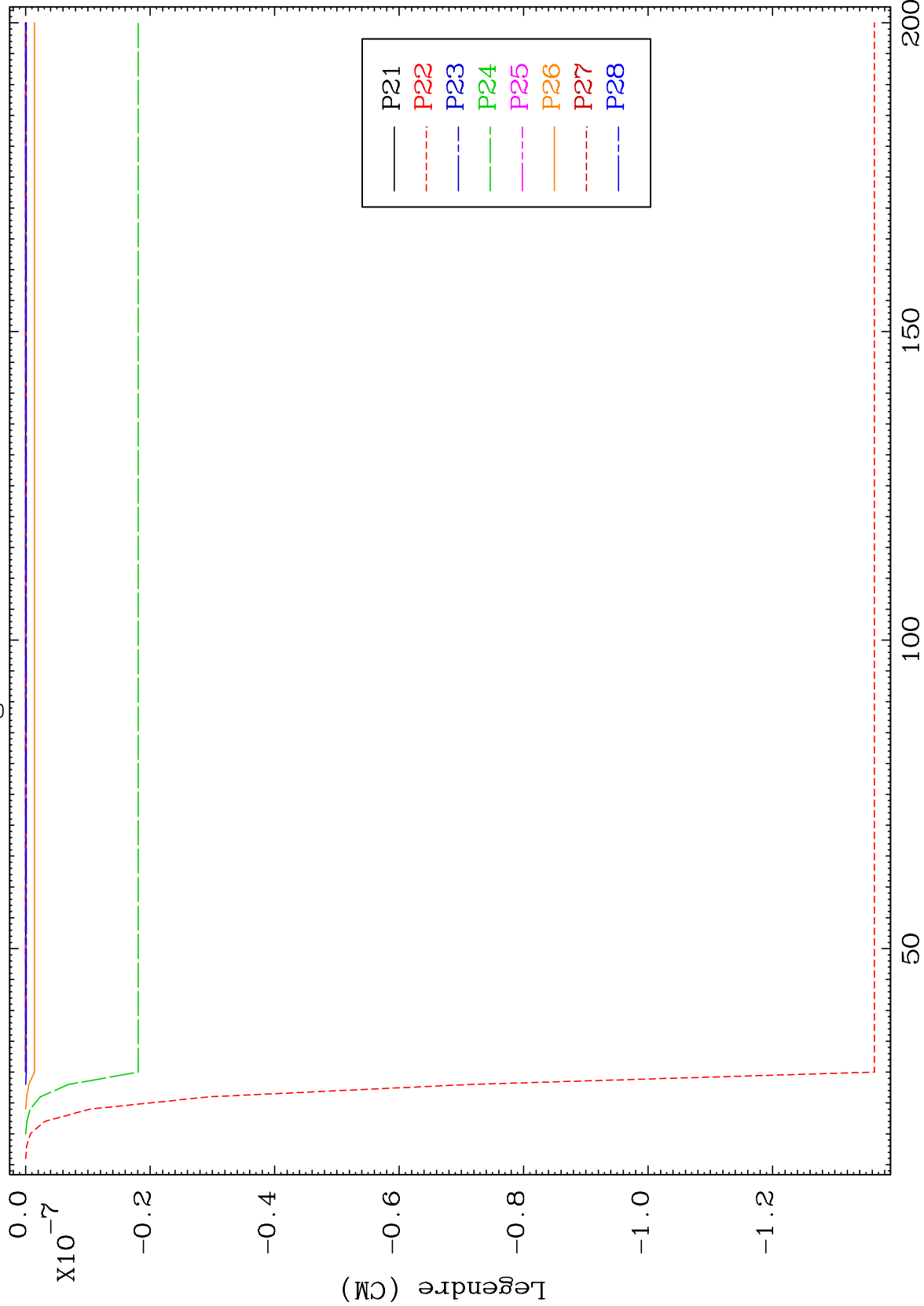
Incident Energy (MeV)

40

MAT 7901

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

79-Au-189



79-Au-189

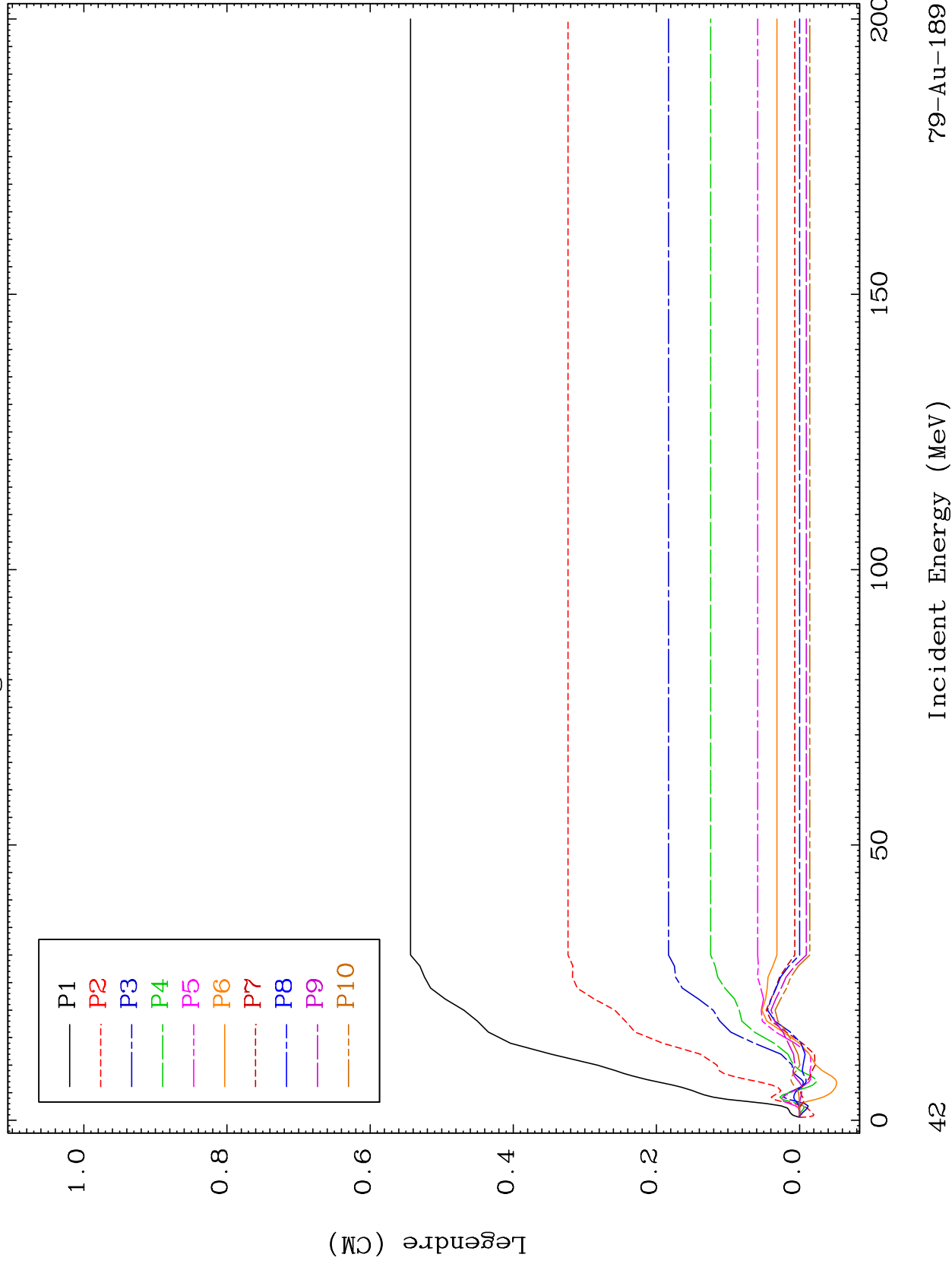
Incident Energy (MeV)

41

MAT 7901

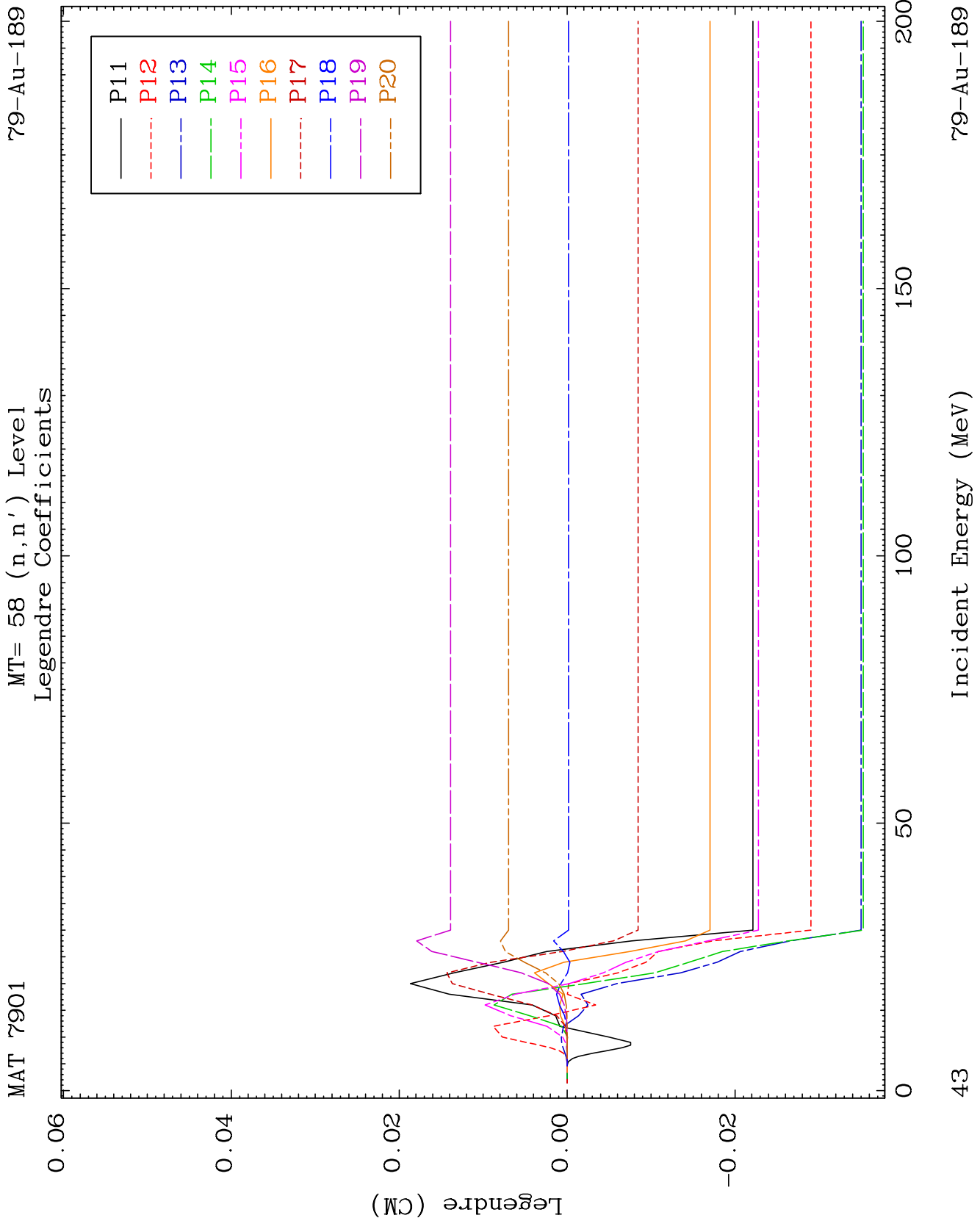
MT= 58 (n,n') Level
Legendre Coefficients

79-Au-189



42

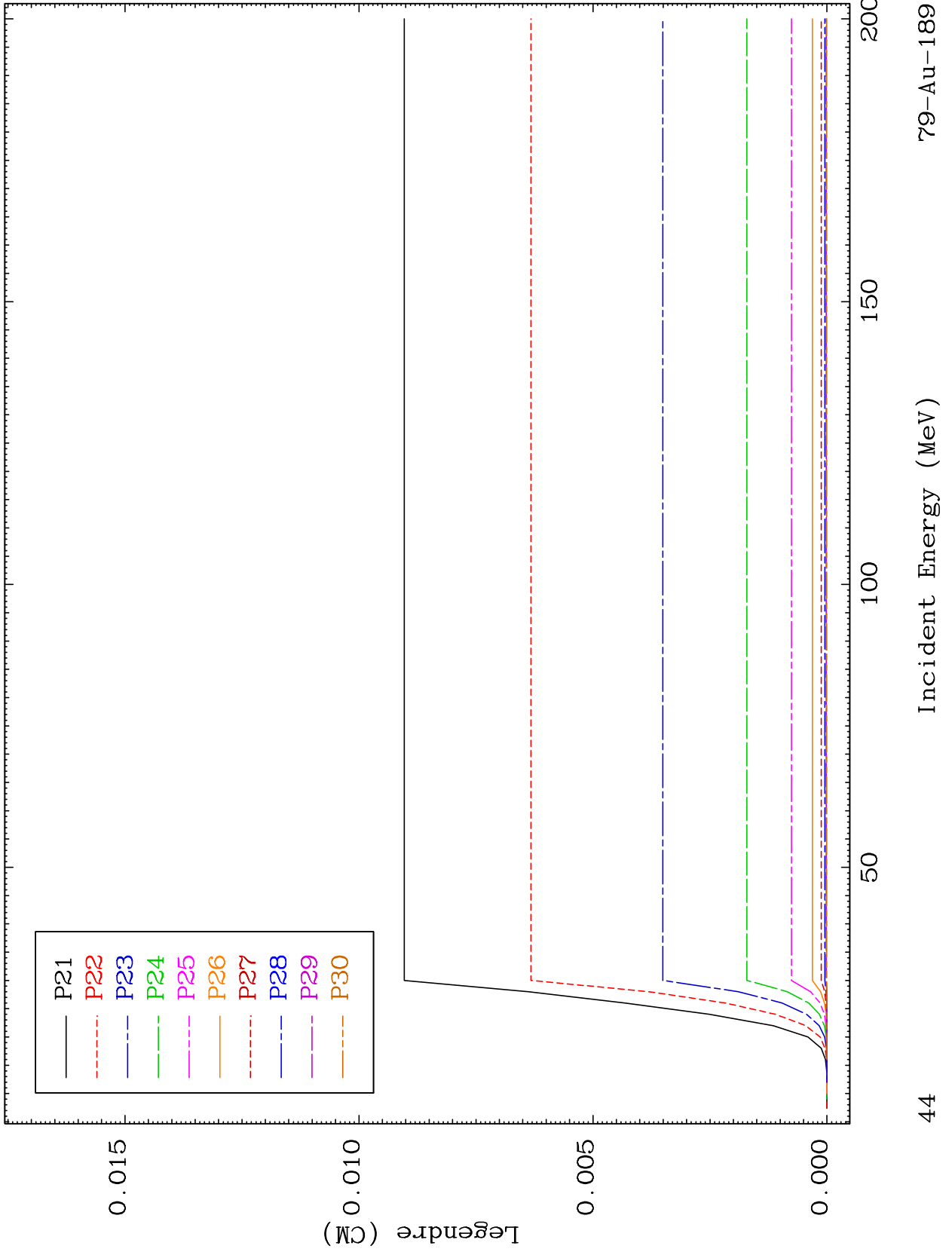
79-Au-189

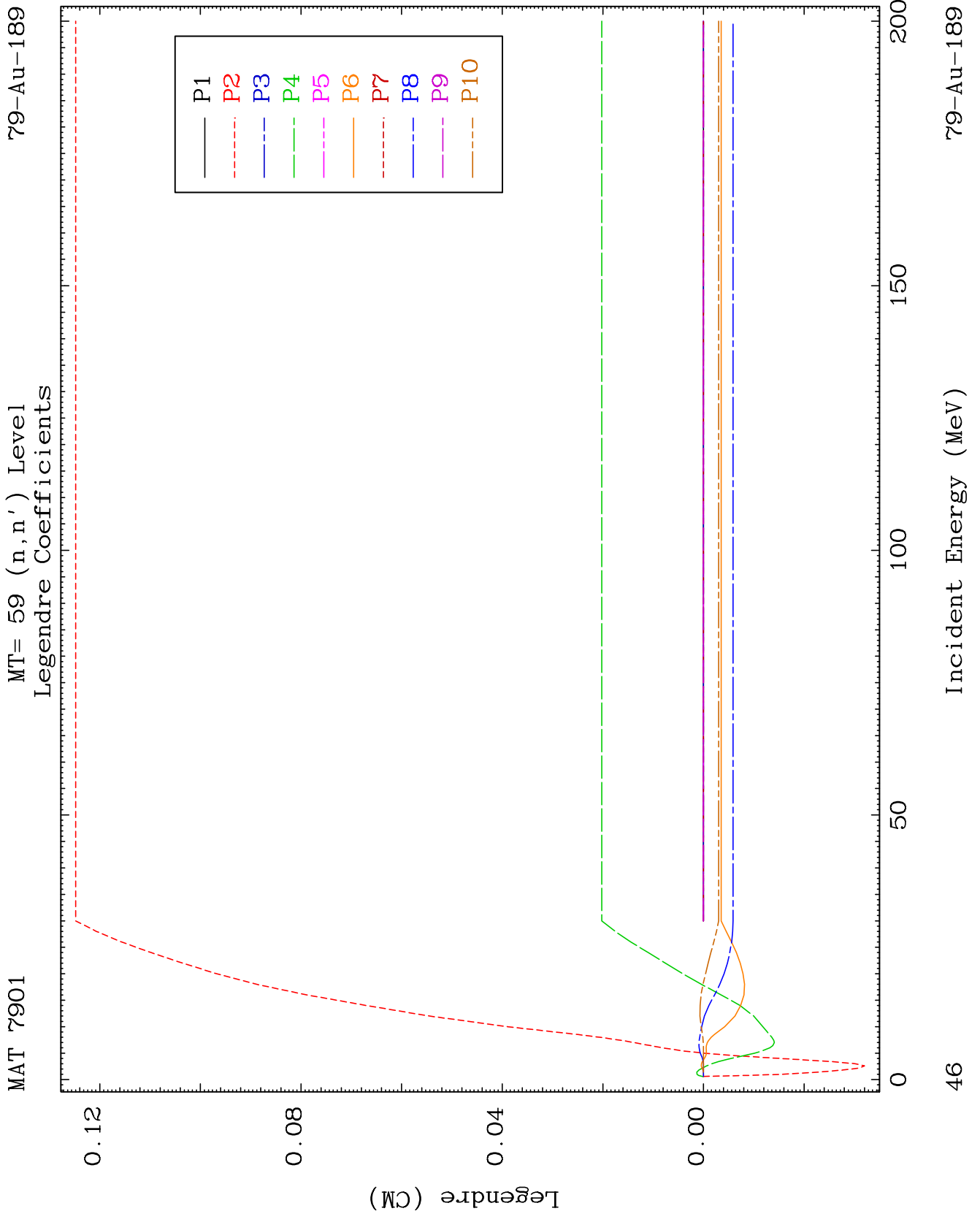


MAT 7901

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

79-Au-189

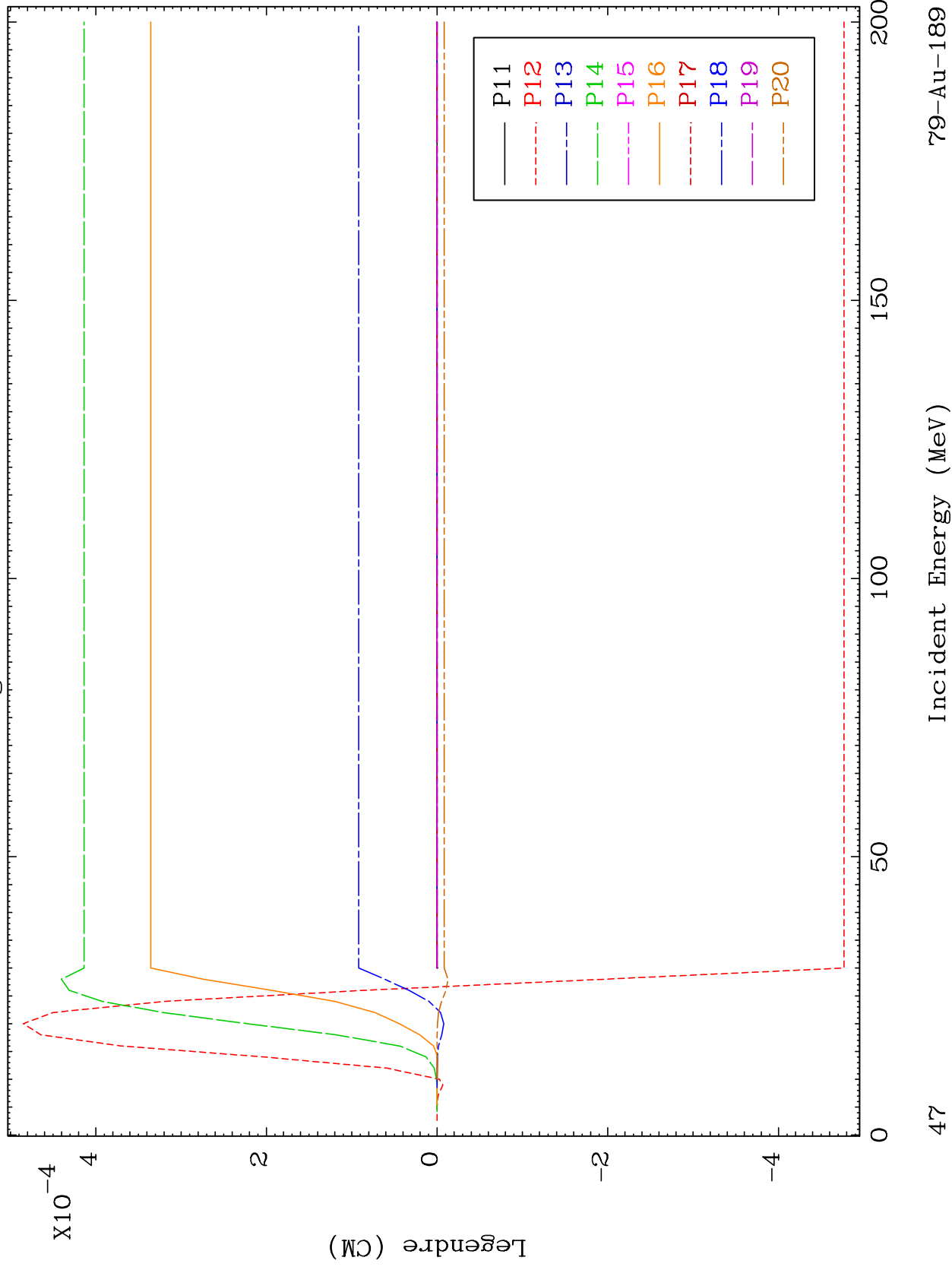




MAT 7901

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

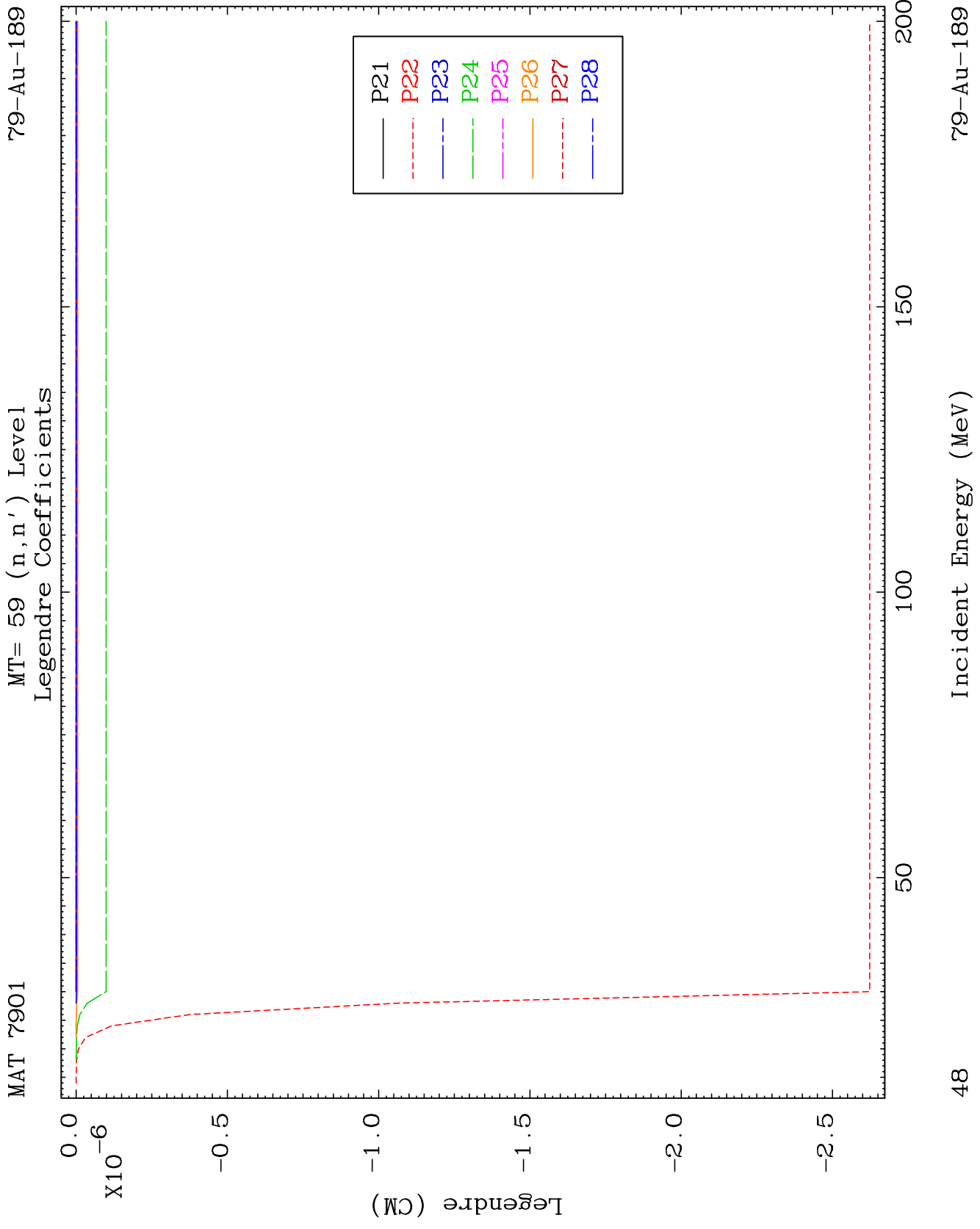
79-Au-189

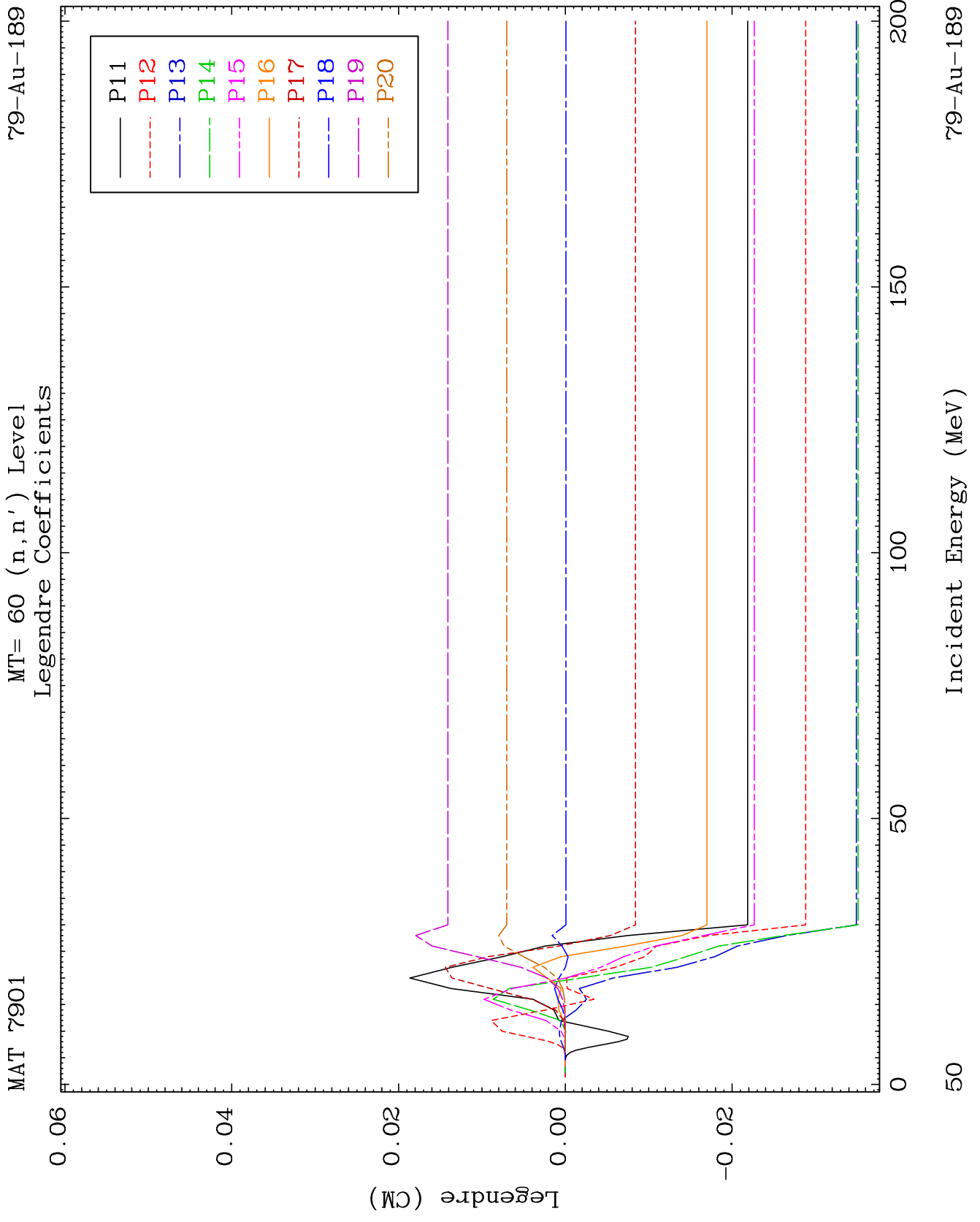


47

Incident Energy (MeV)

79-Au-189

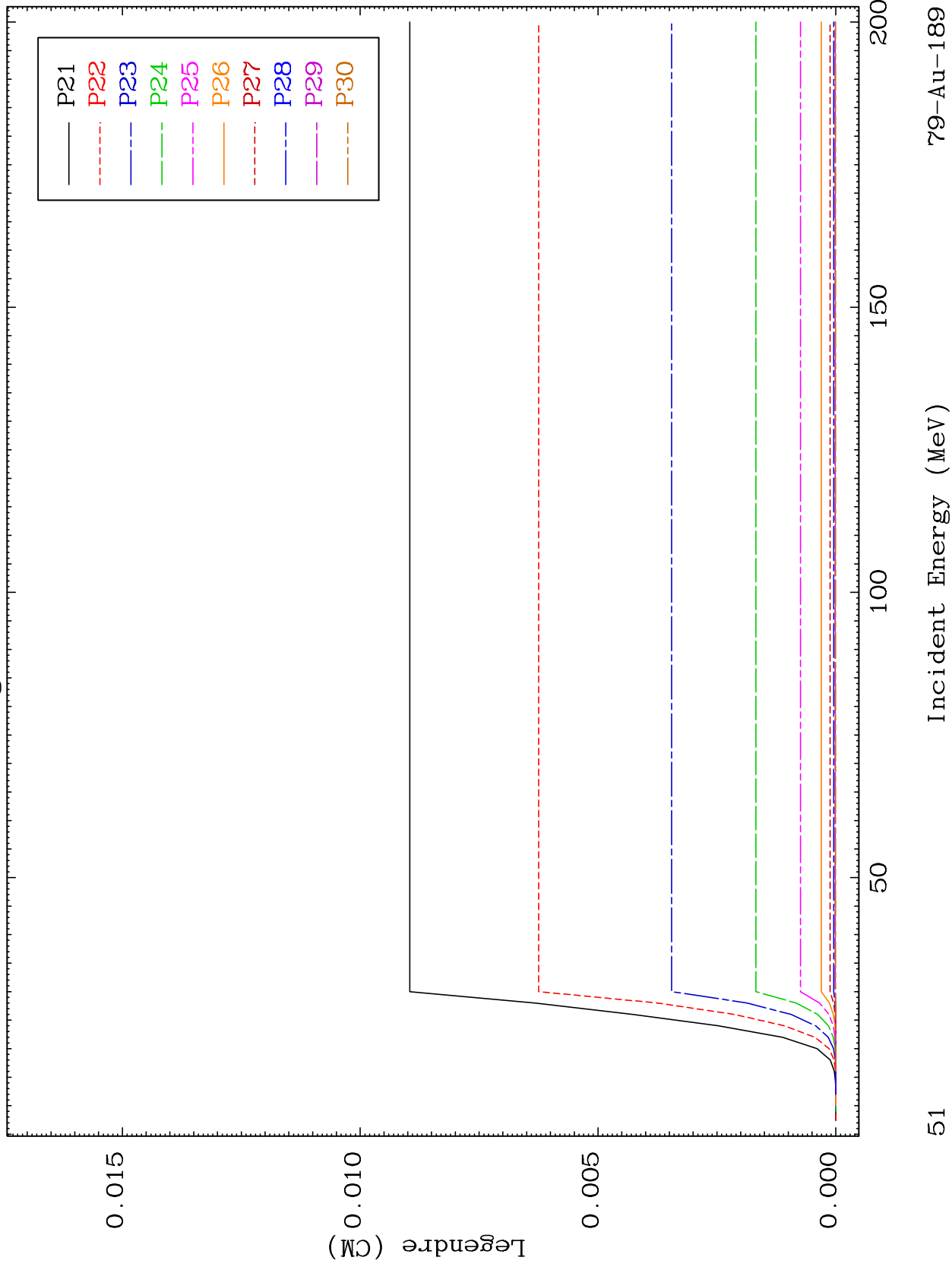




MAT 7901

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

79-Au-189



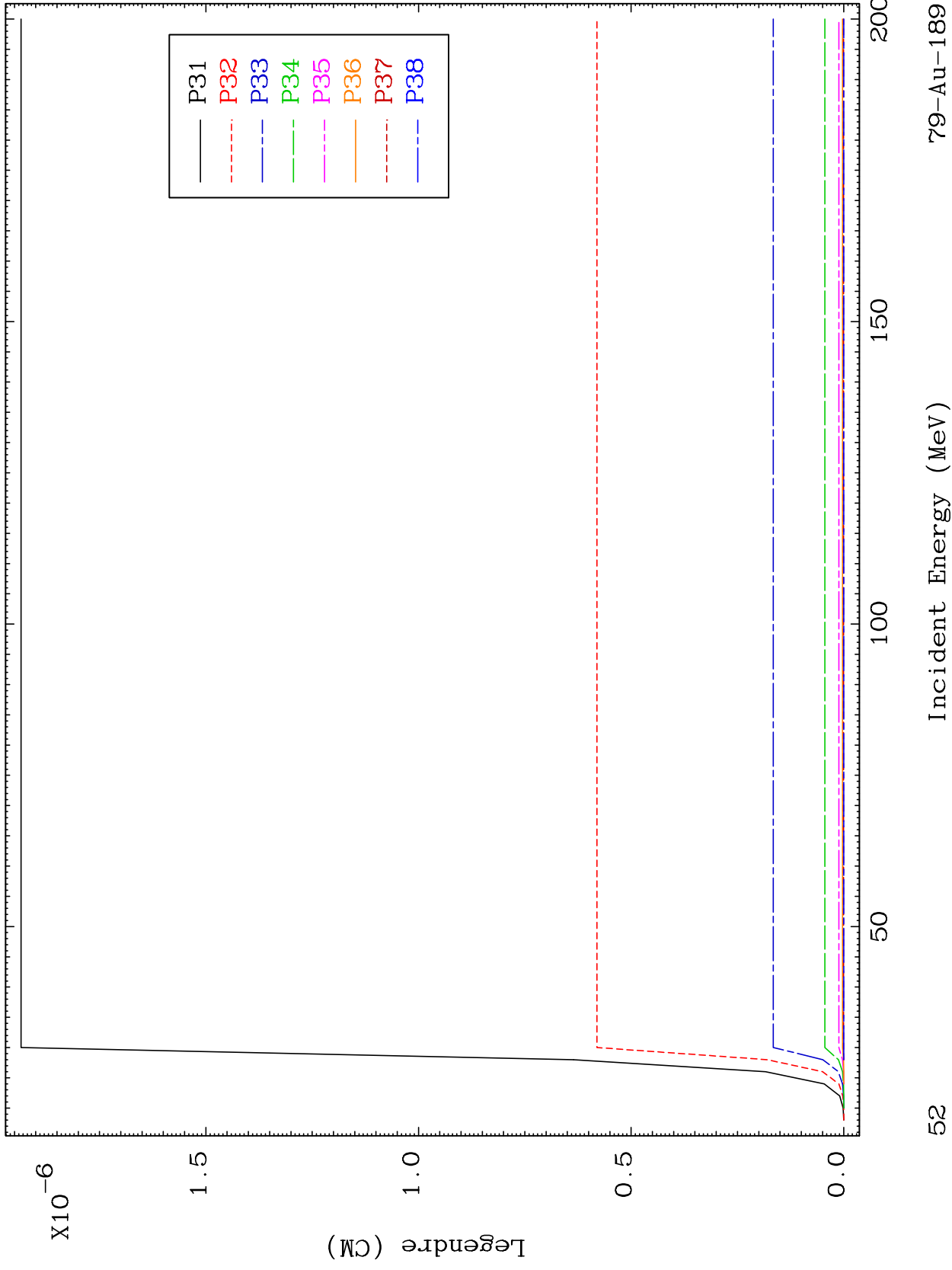
51

79-Au-189

MAT 7901

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

79-Au-189



52

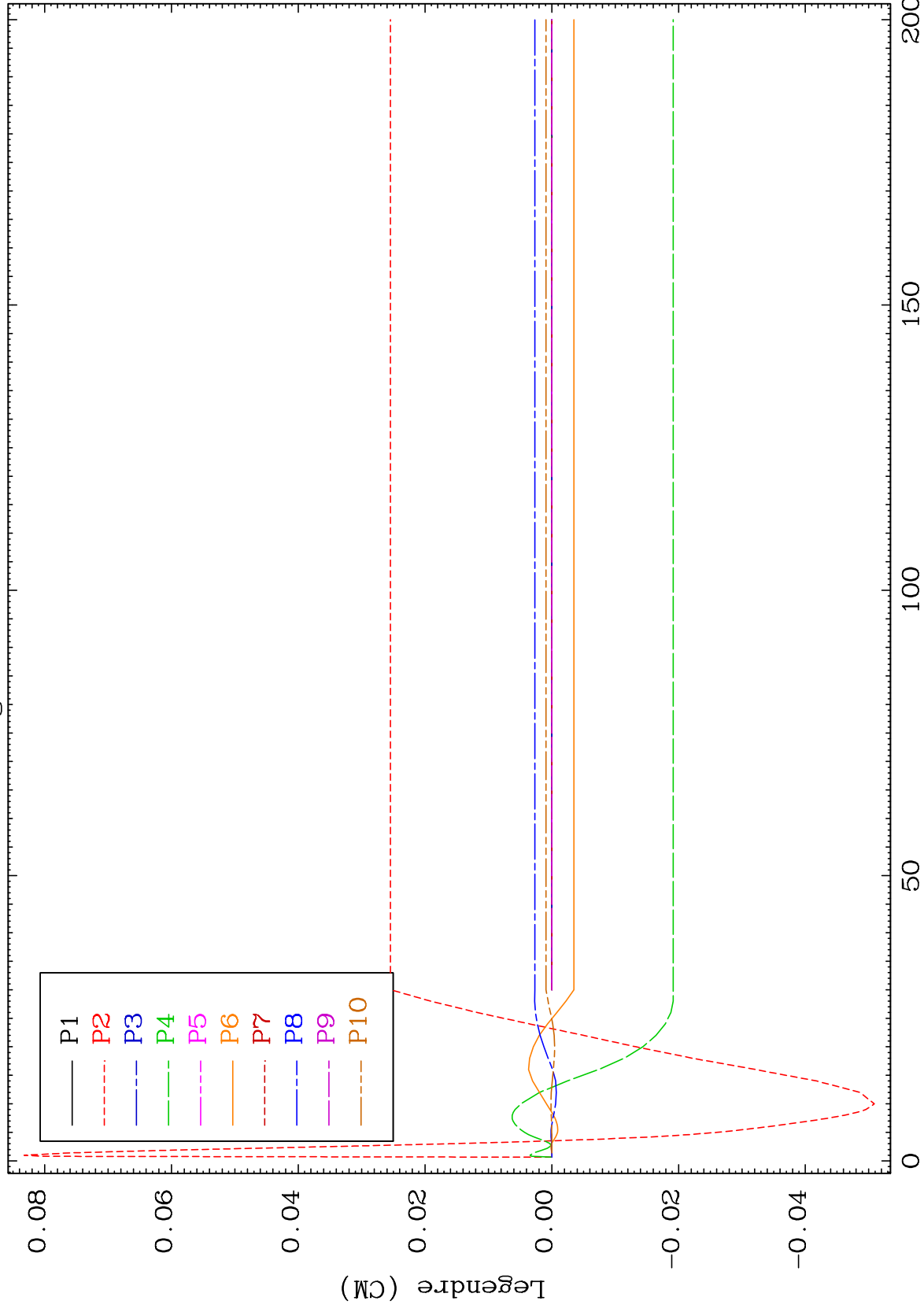
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



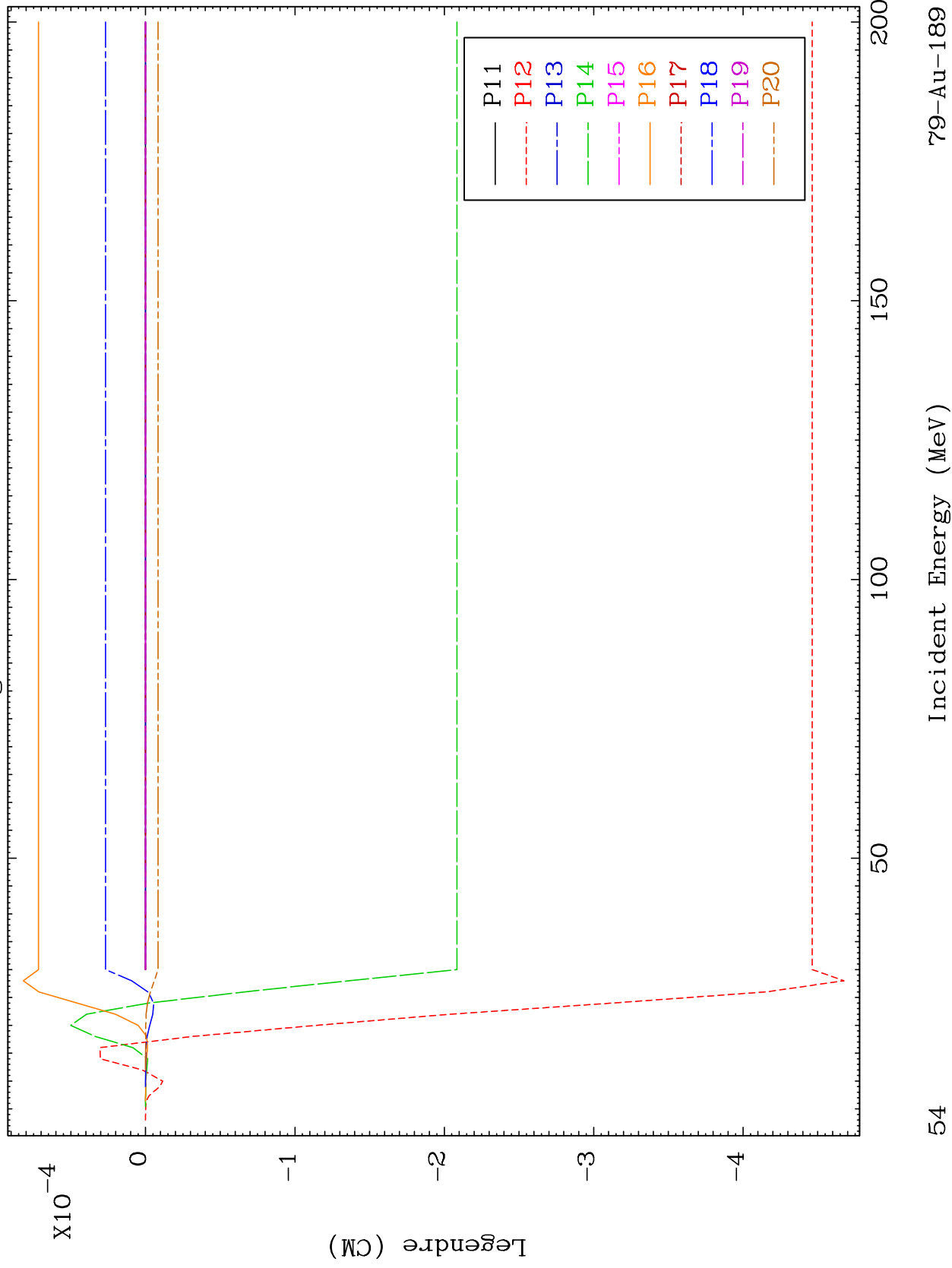
53

79-Au-189

MAT 7901

79-Au-189

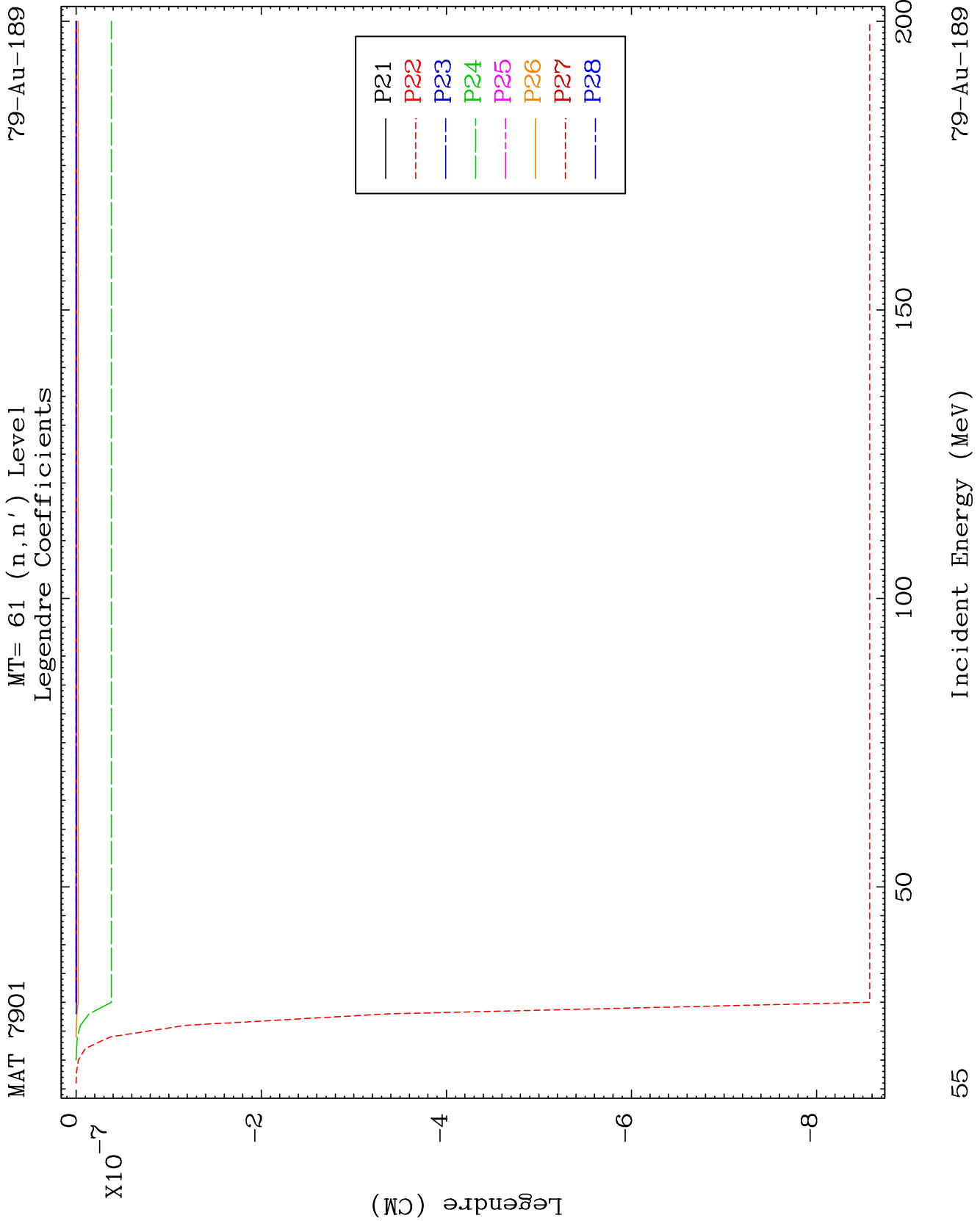
MT= 61 (n,n') Level
Legendre Coefficients

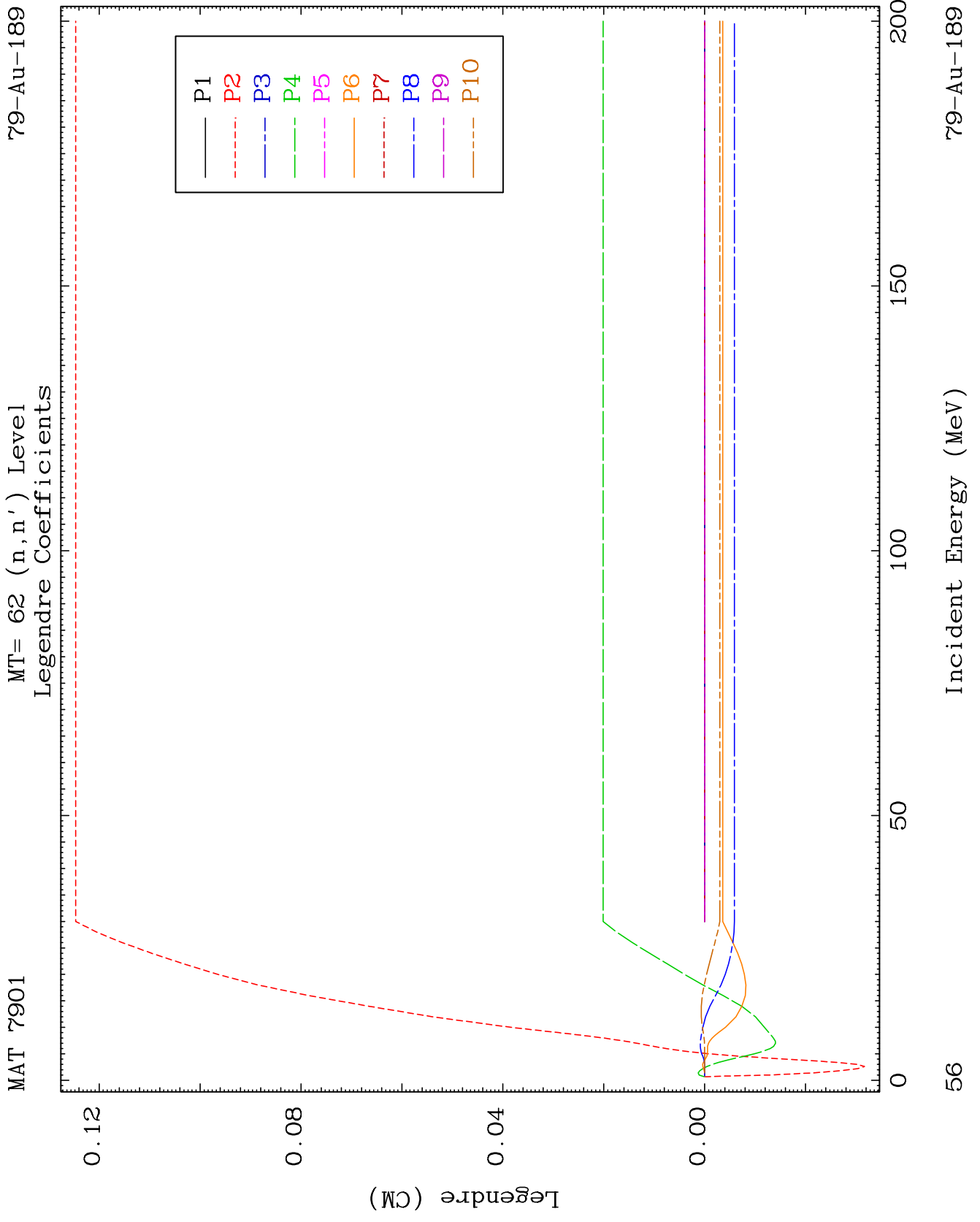


54

Incident Energy (MeV)

79-Au-189

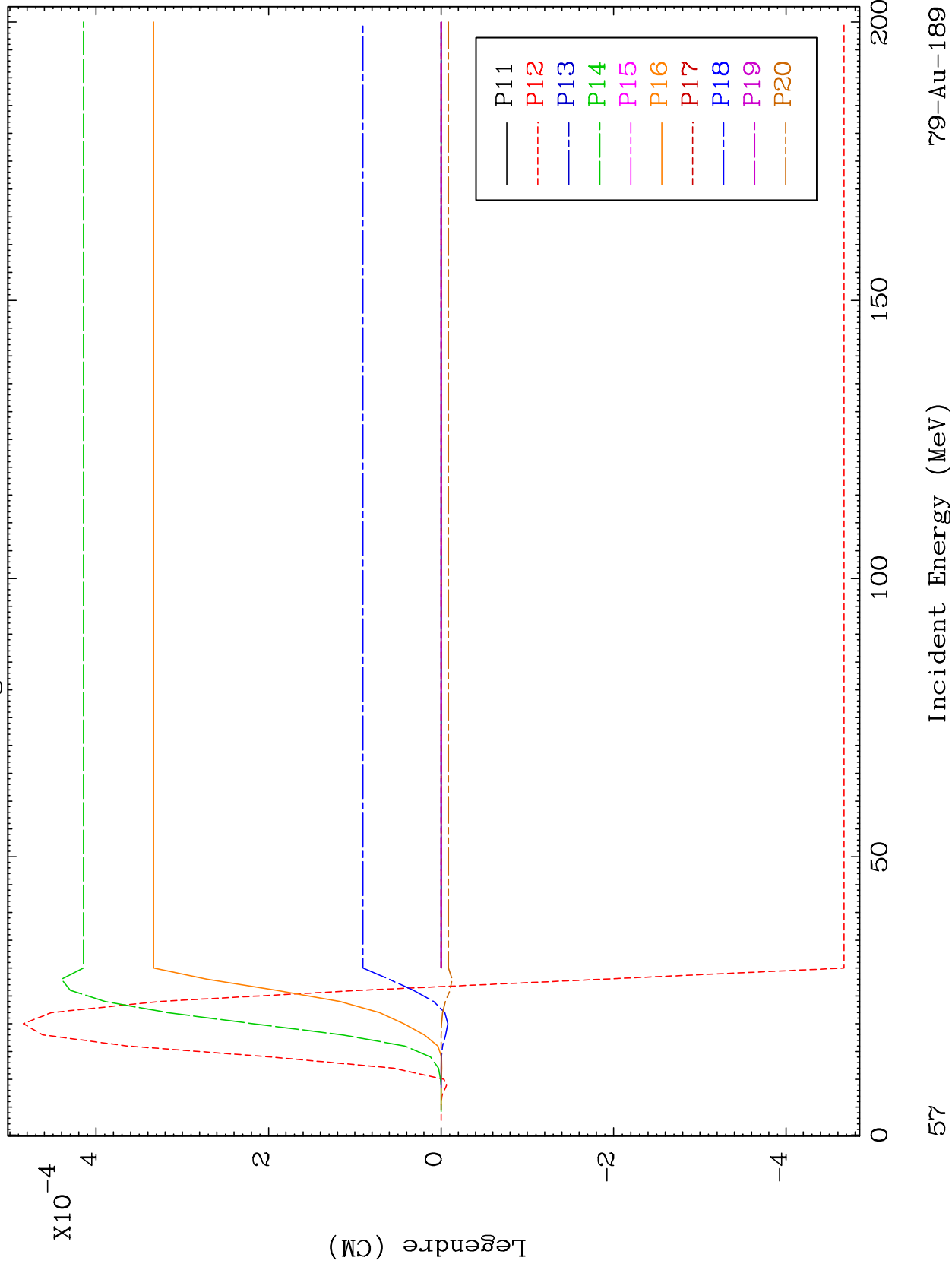




MAT 7901

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

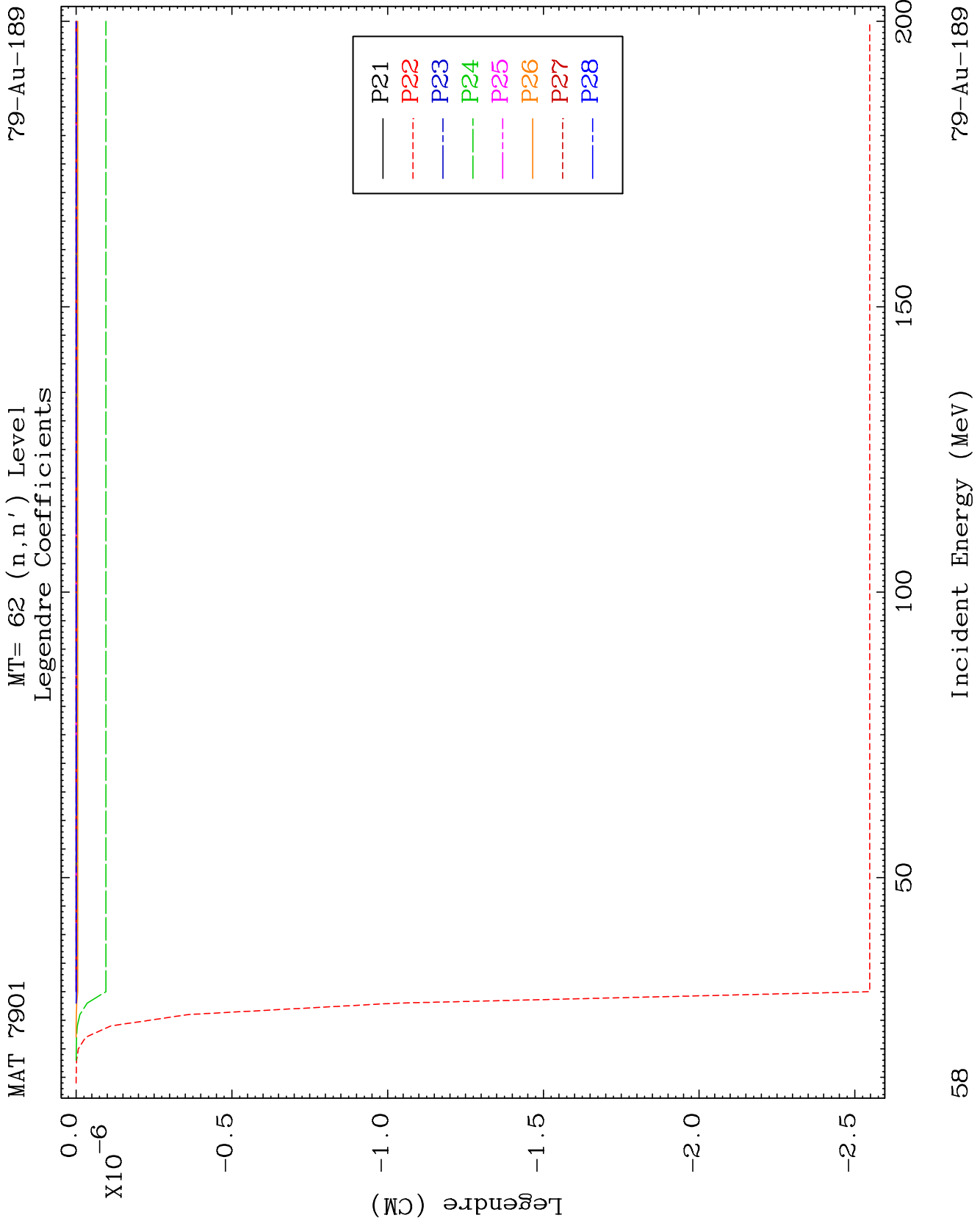
79-Au-189

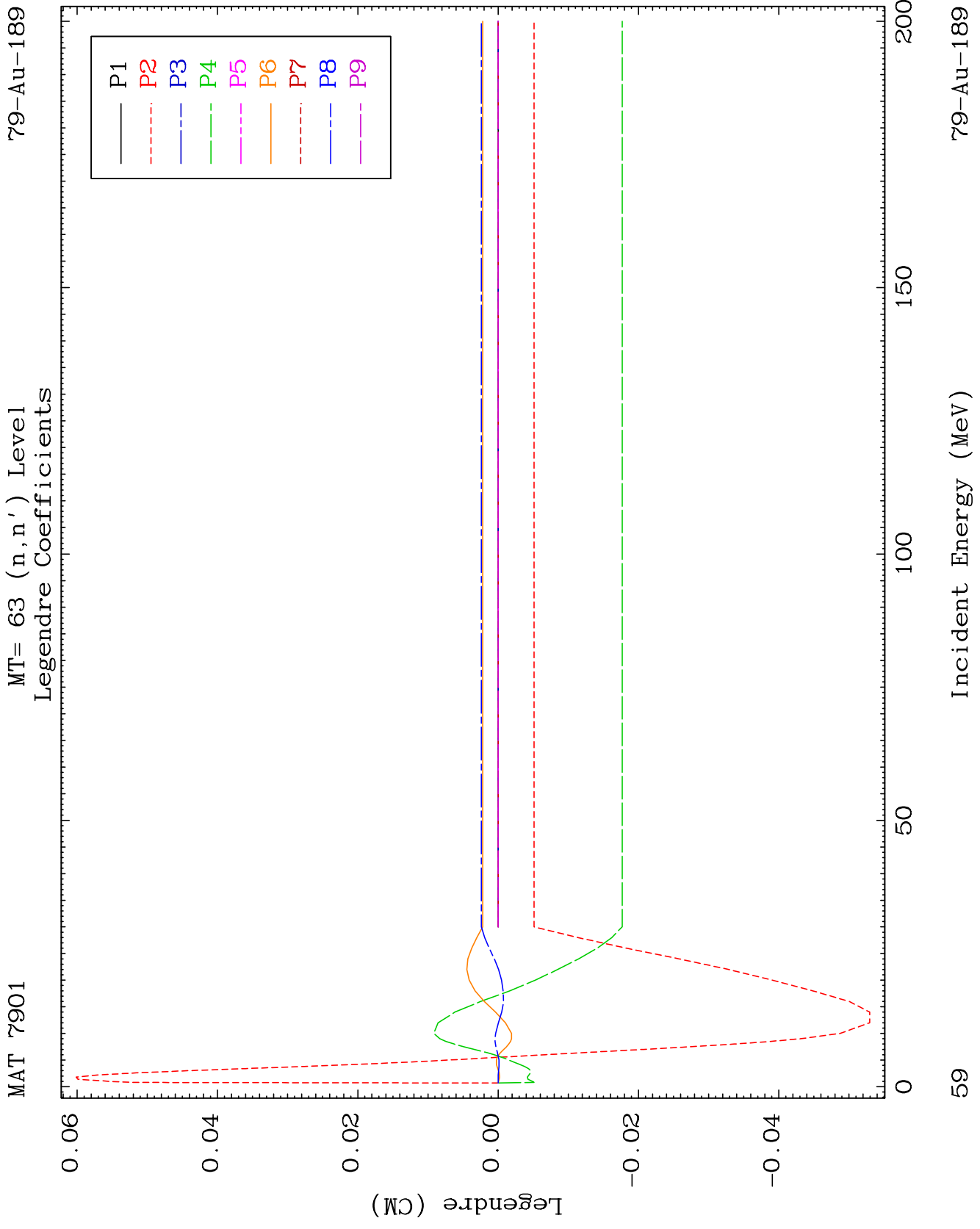


57

Incident Energy (MeV)

79-Au-189

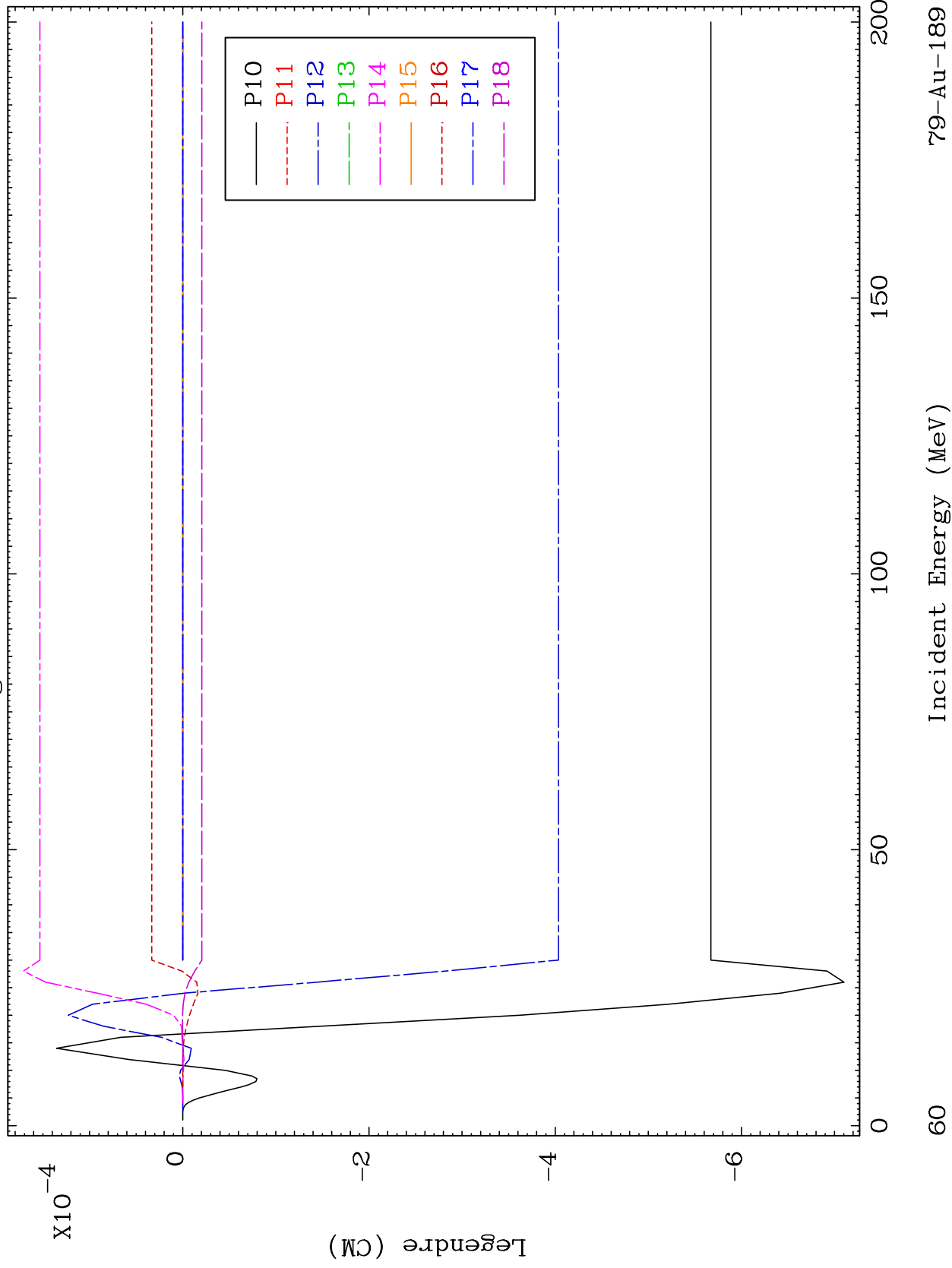




MAT 7901

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

79-Au-189



79-Au-189

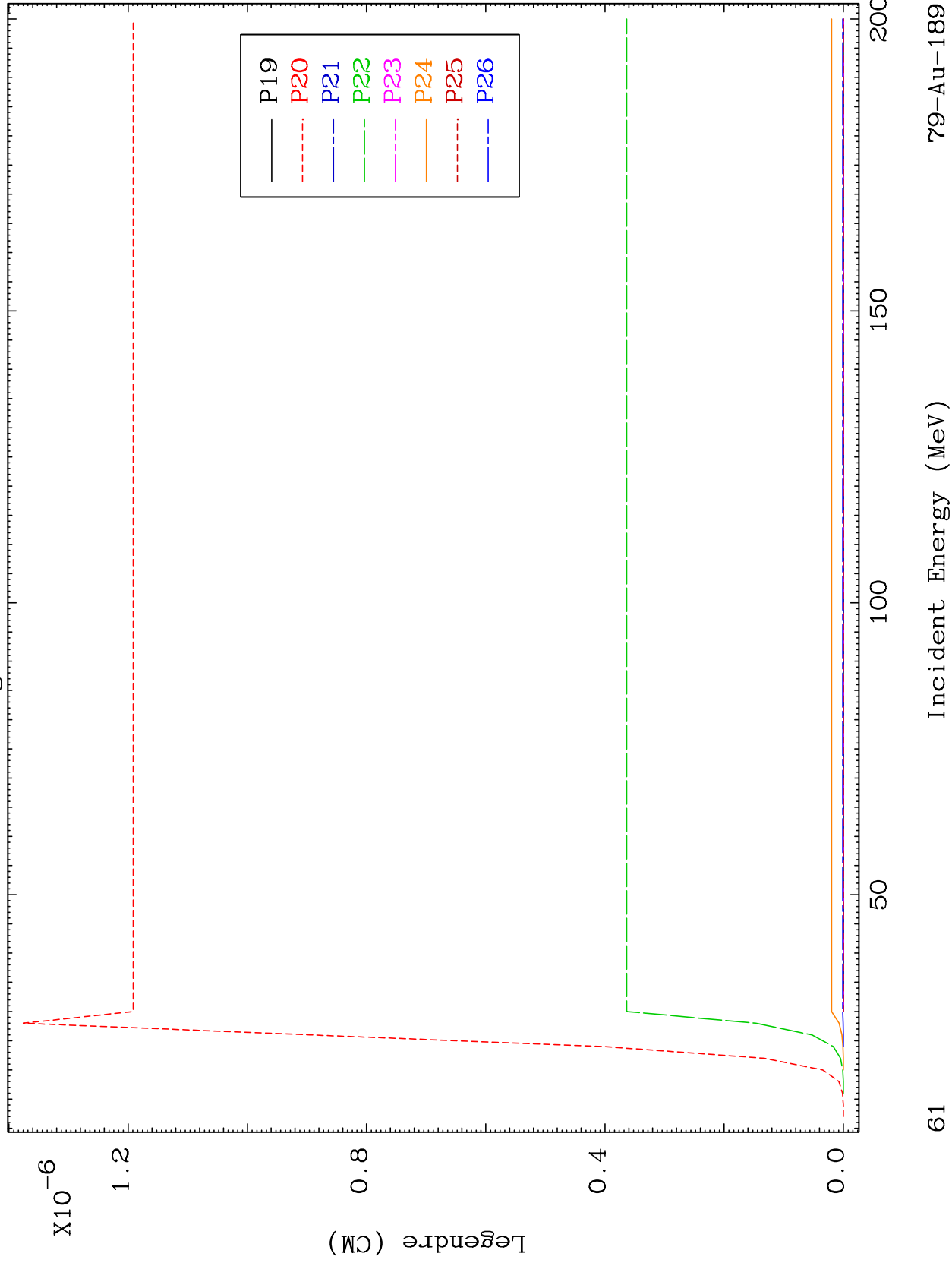
Incident Energy (MeV)

60

MAT 7901

79-Au-189

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



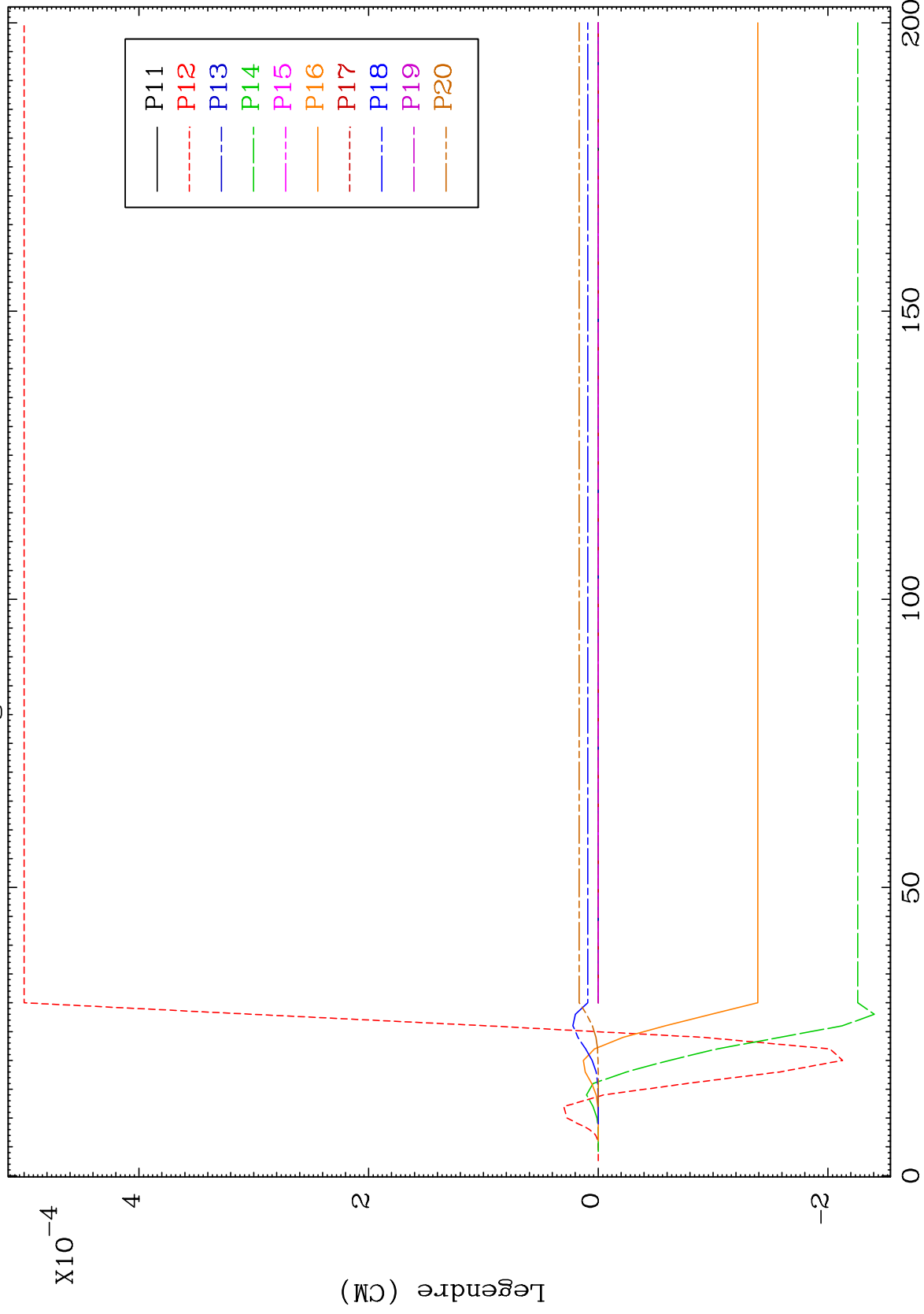
61

79-Au-189

MAT 7901

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

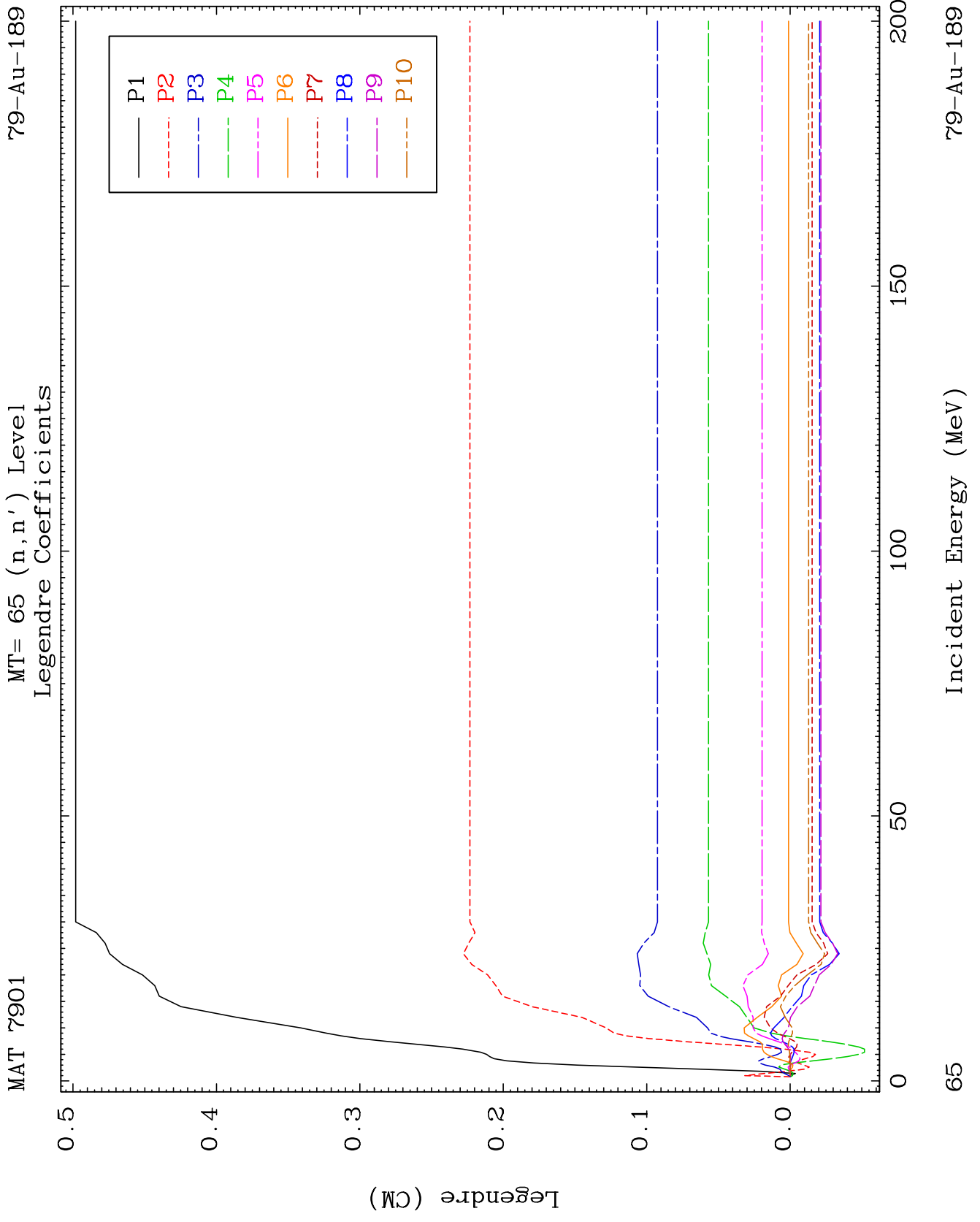
79-Au-189



63

Incident Energy (MeV)

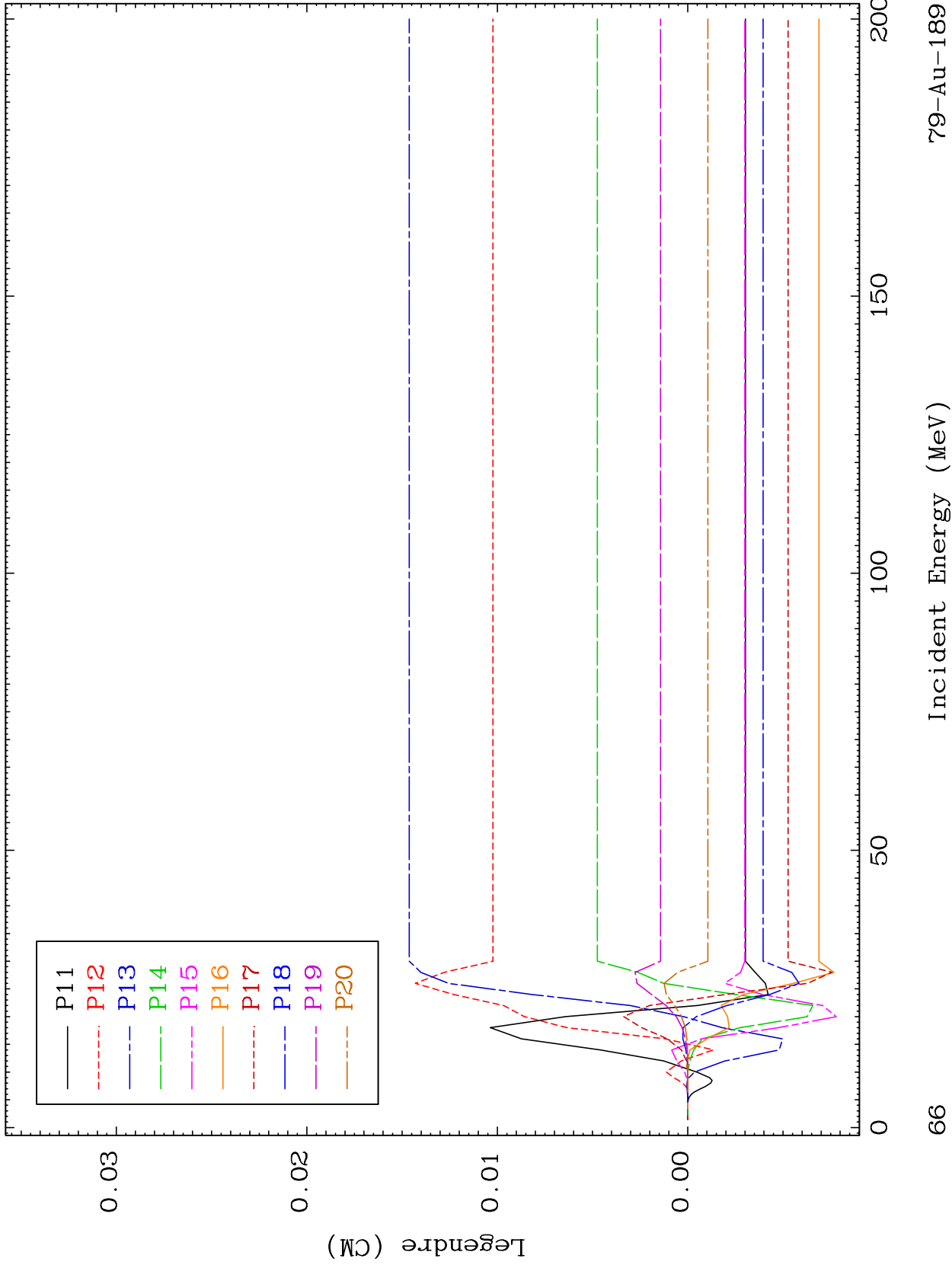
79-Au-189



MAT 7901

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

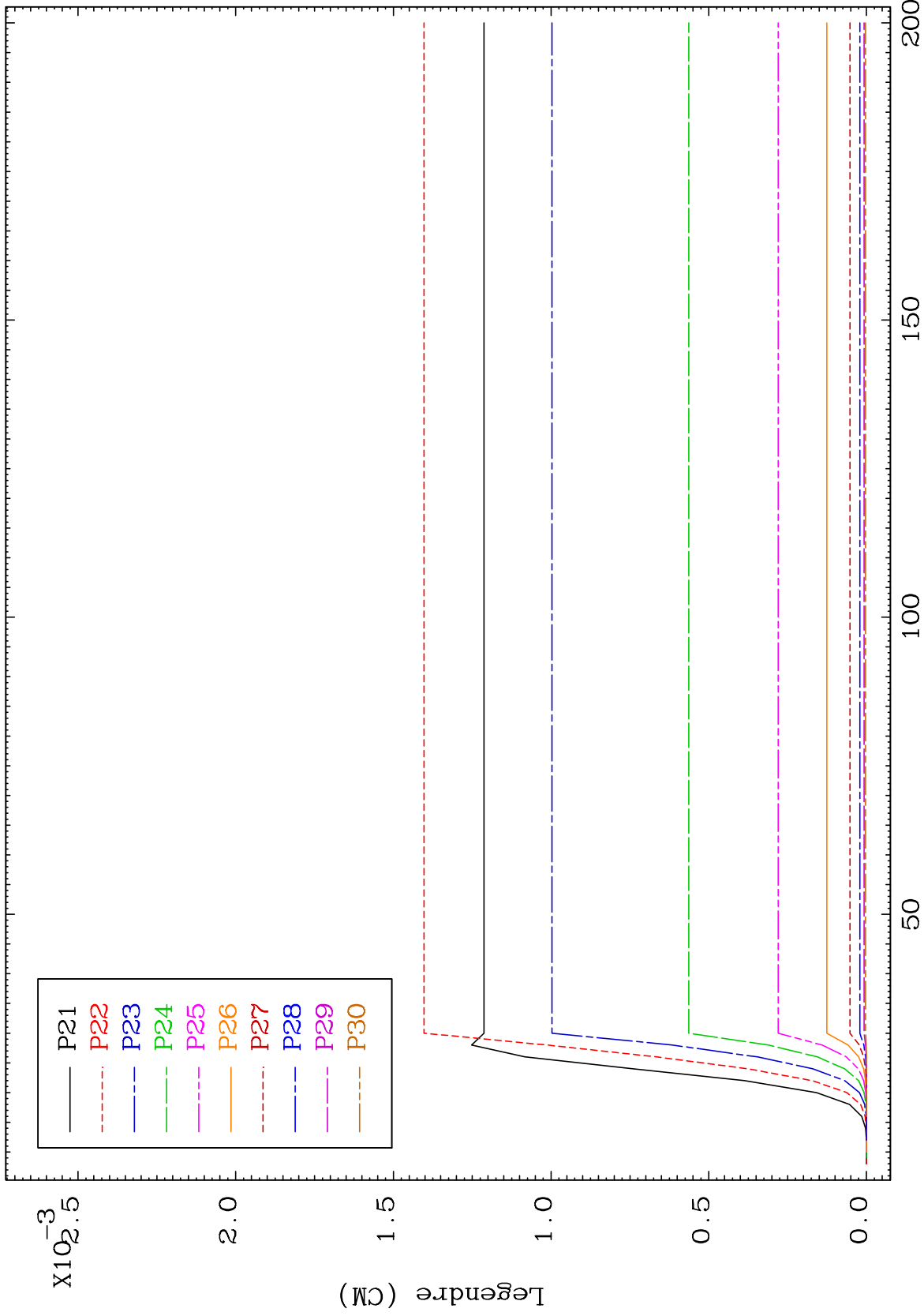
79-Au-189



66

Incident Energy (MeV)

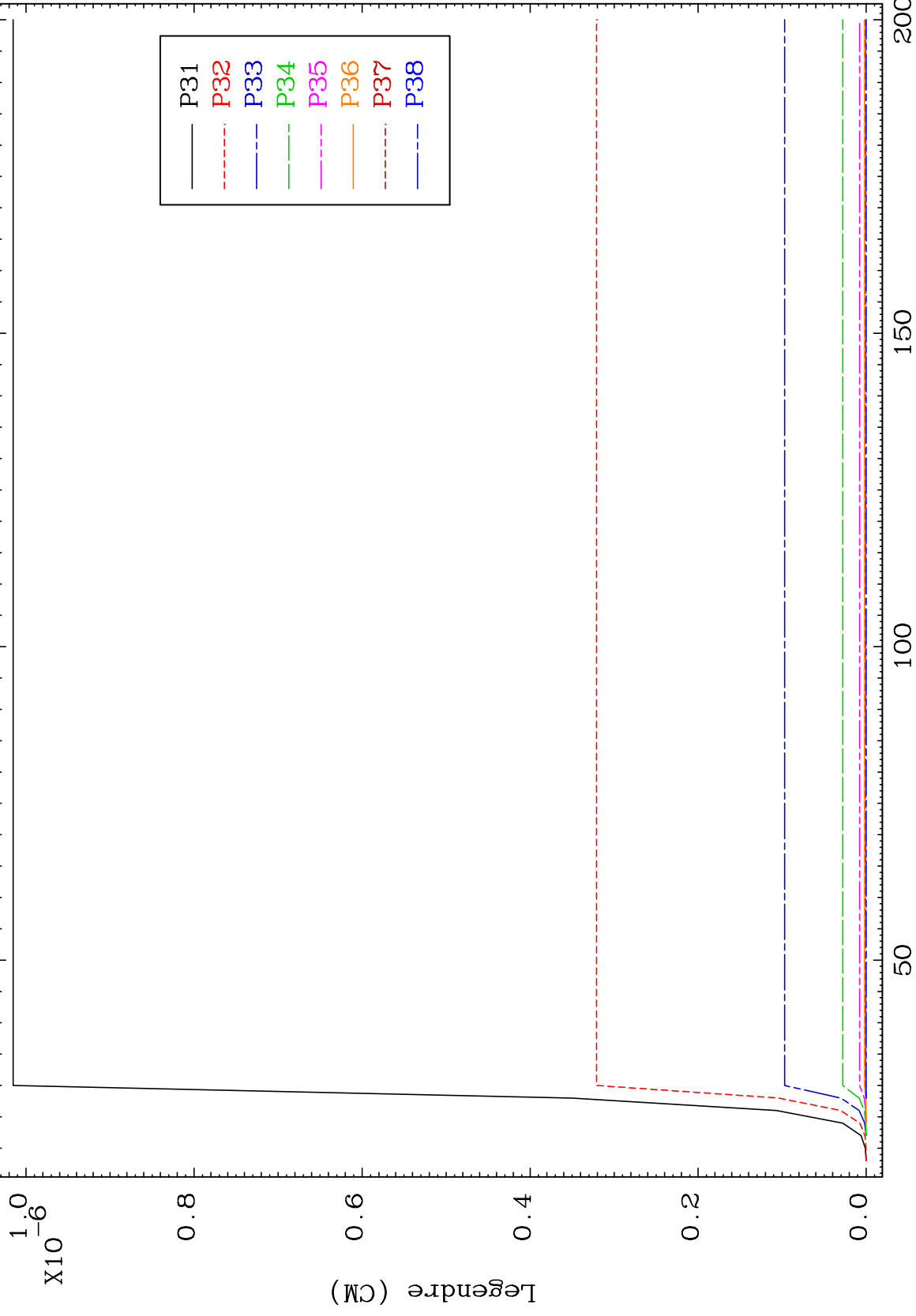
79-Au-189



MAT 7901

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

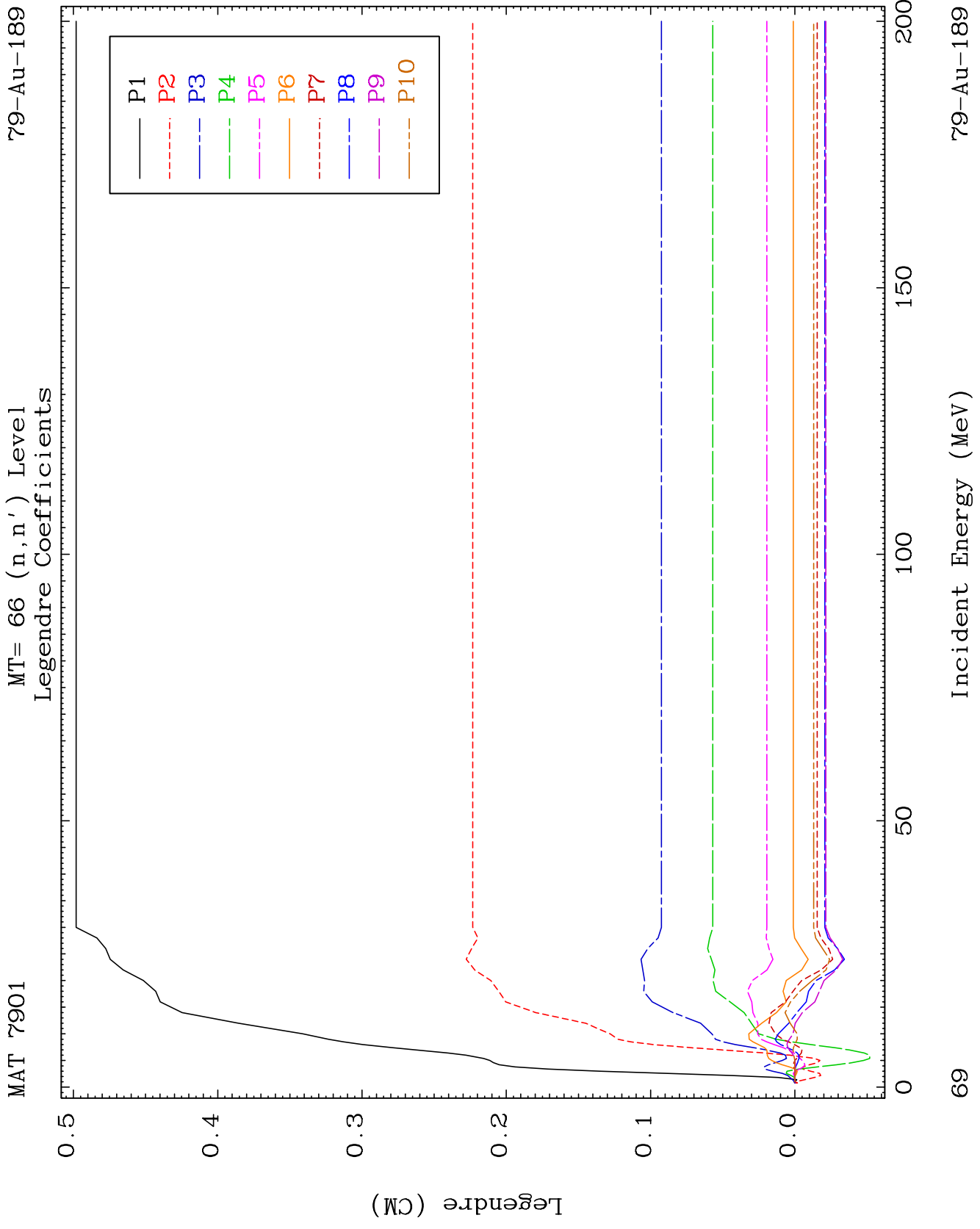
79-Au-189



68

Incident Energy (MeV)

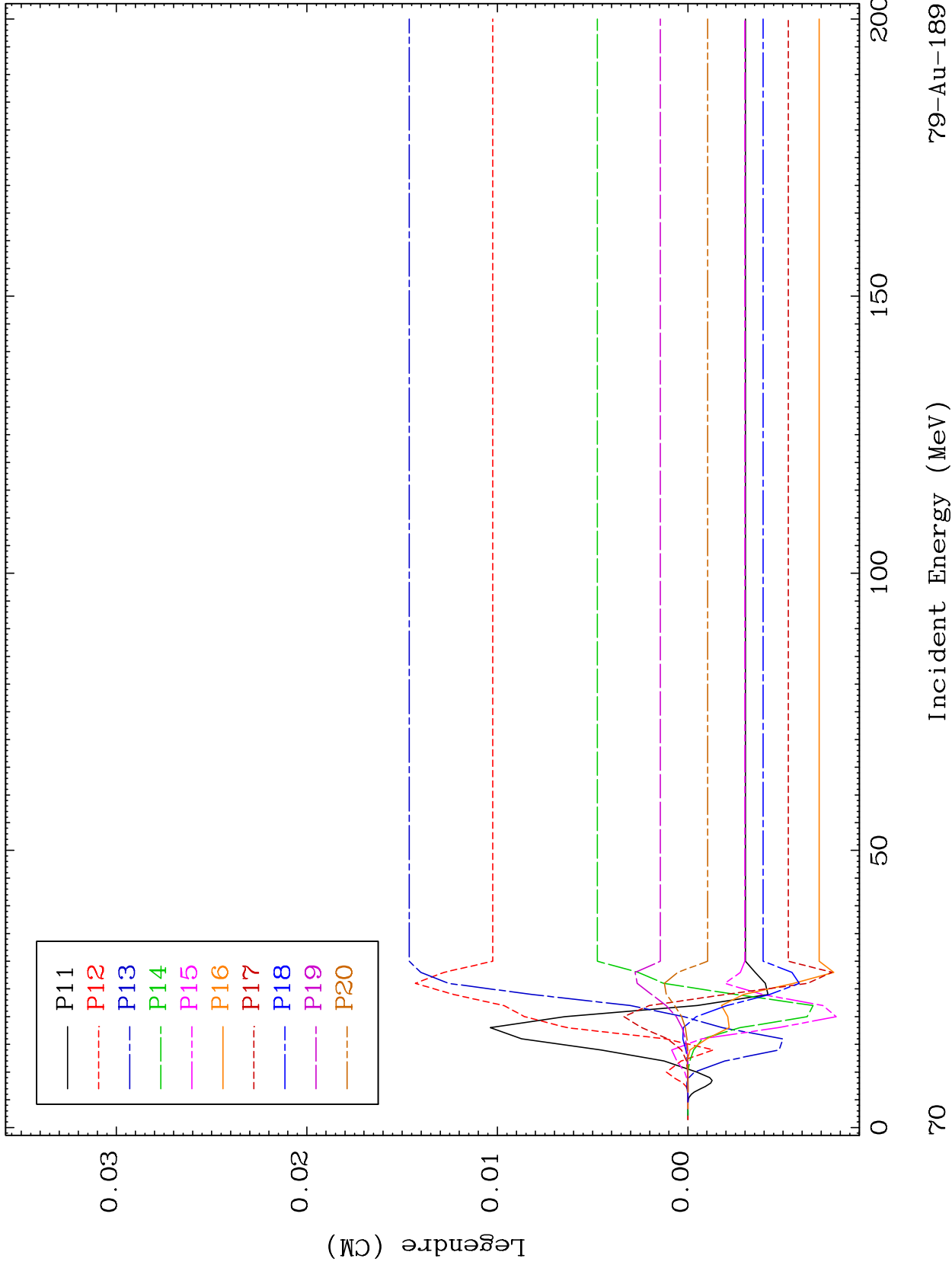
79-Au-189



MAT 7901

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

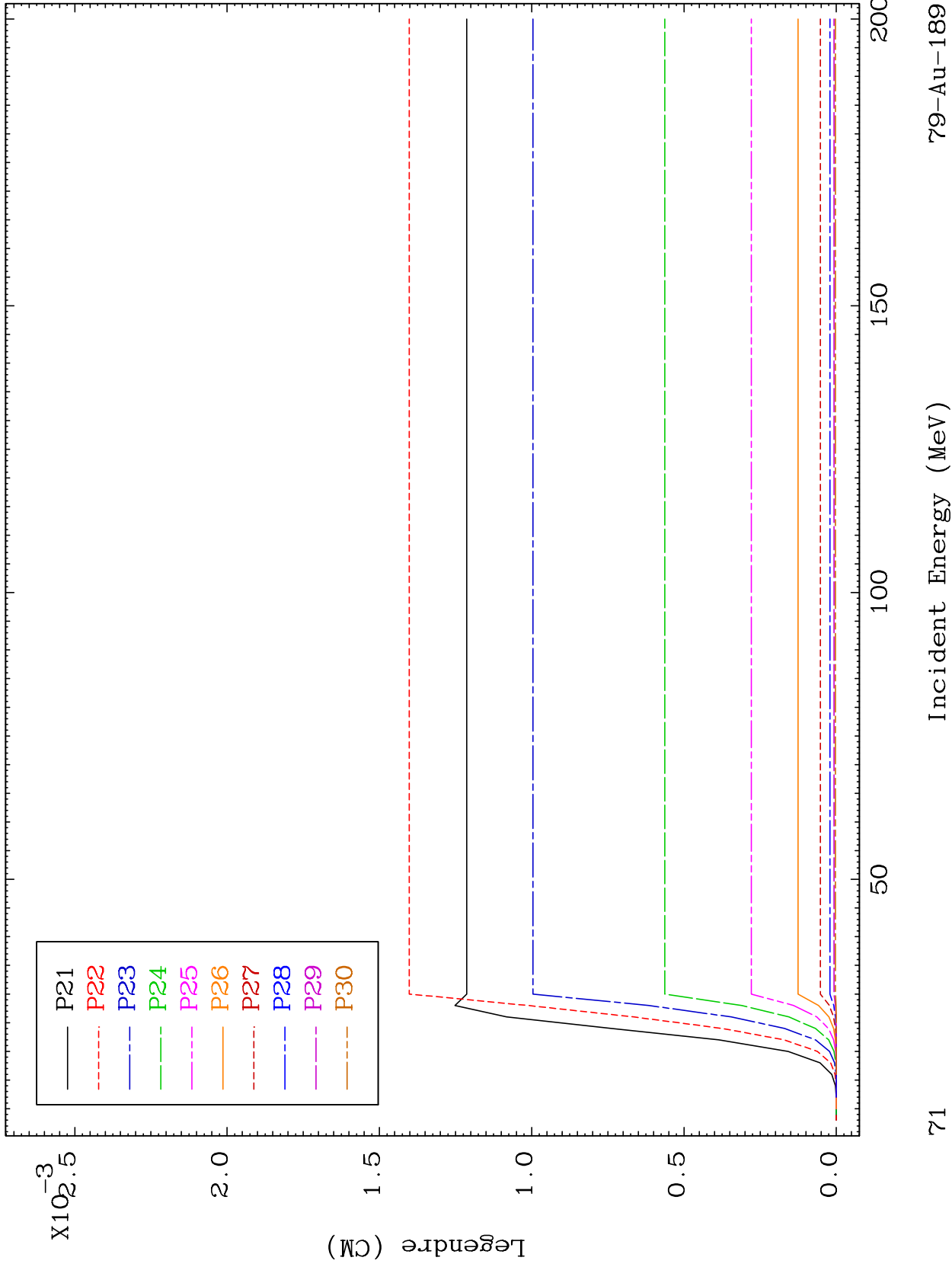
79-Au-189



79-Au-189

Incident Energy (MeV)

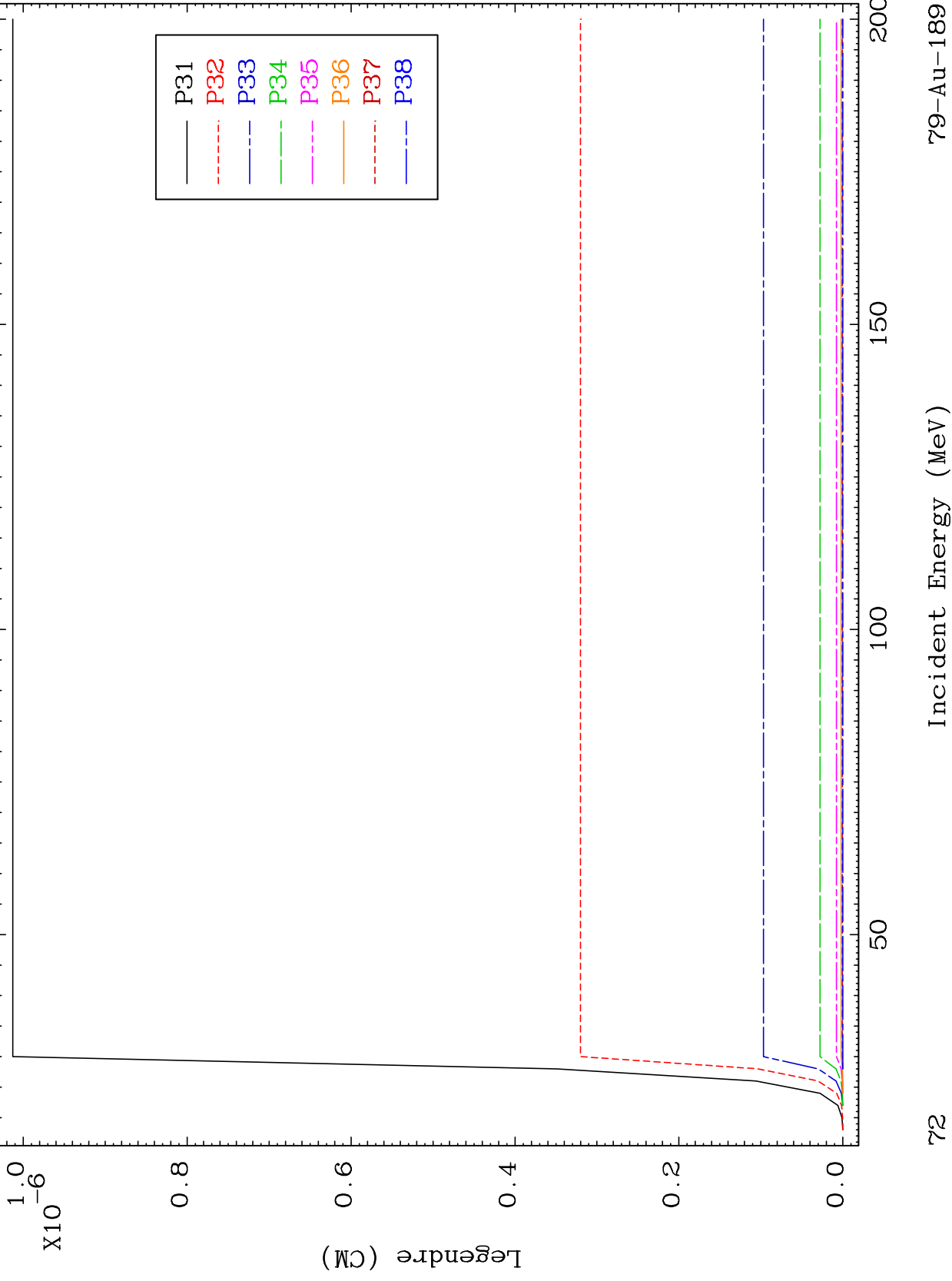
70



MAT 7901

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

79-Au-189



72

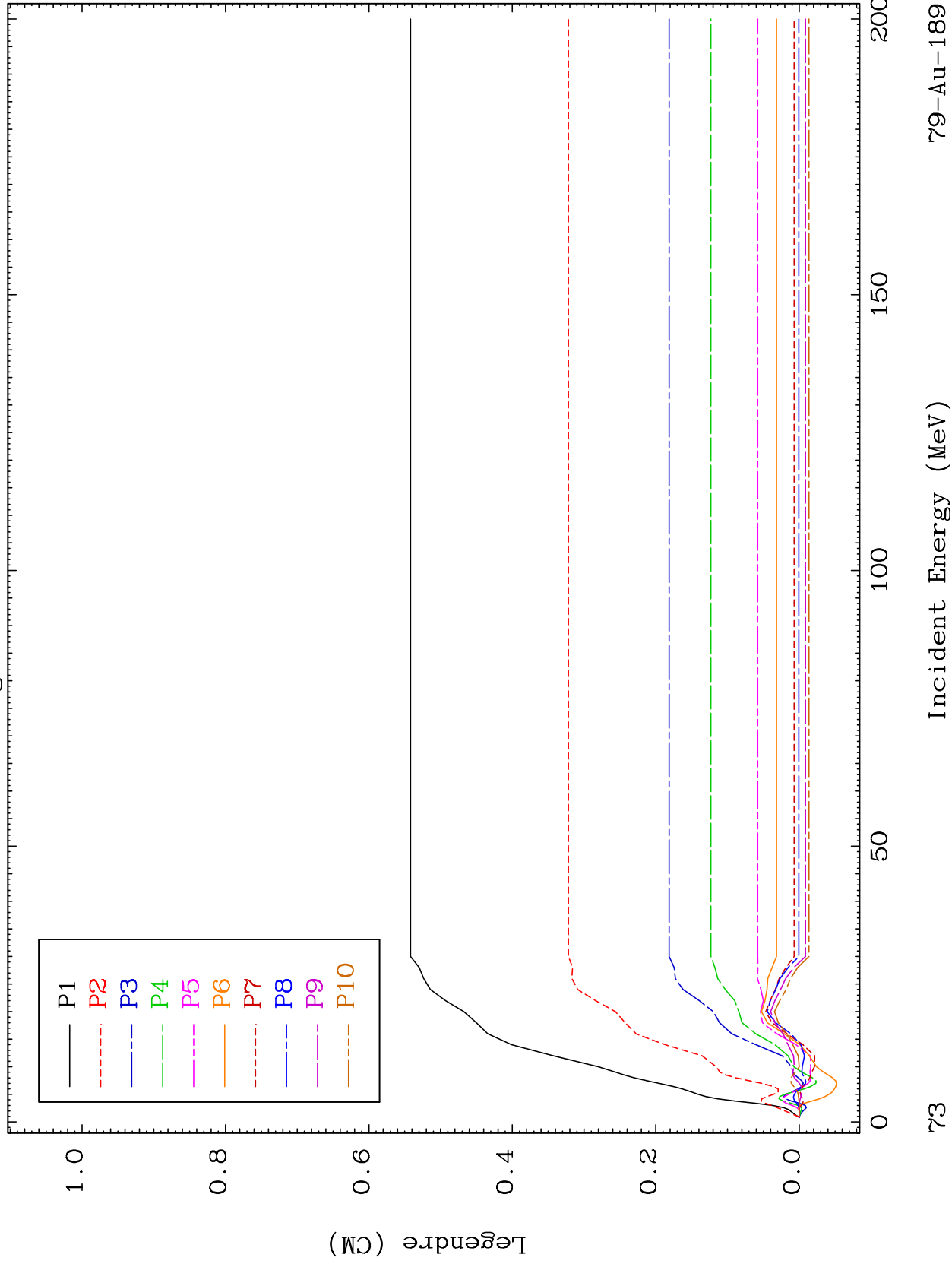
Incident Energy (MeV)

79-Au-189

MAT 7901

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

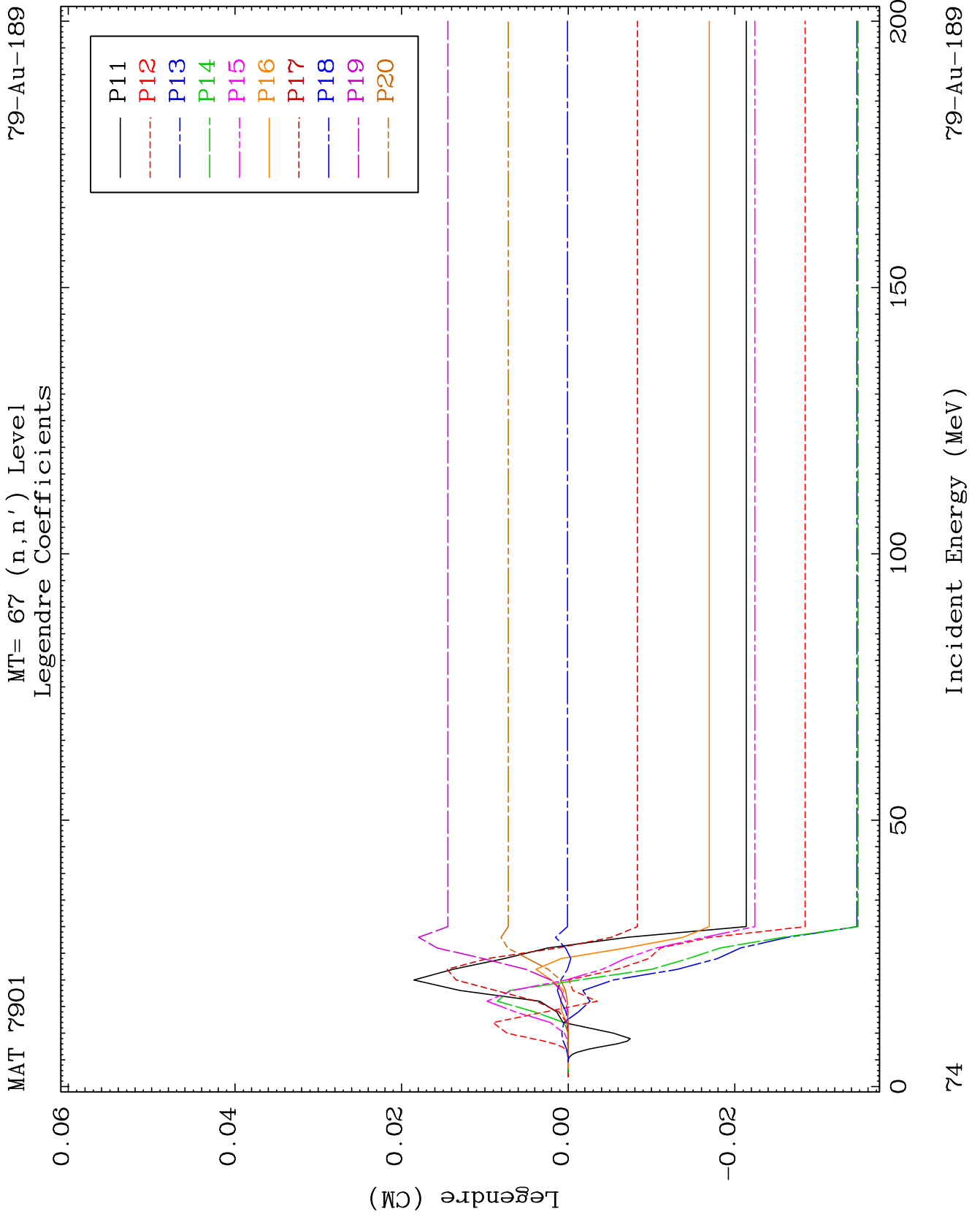
79-Au-189



79-Au-189

Incident Energy (MeV)

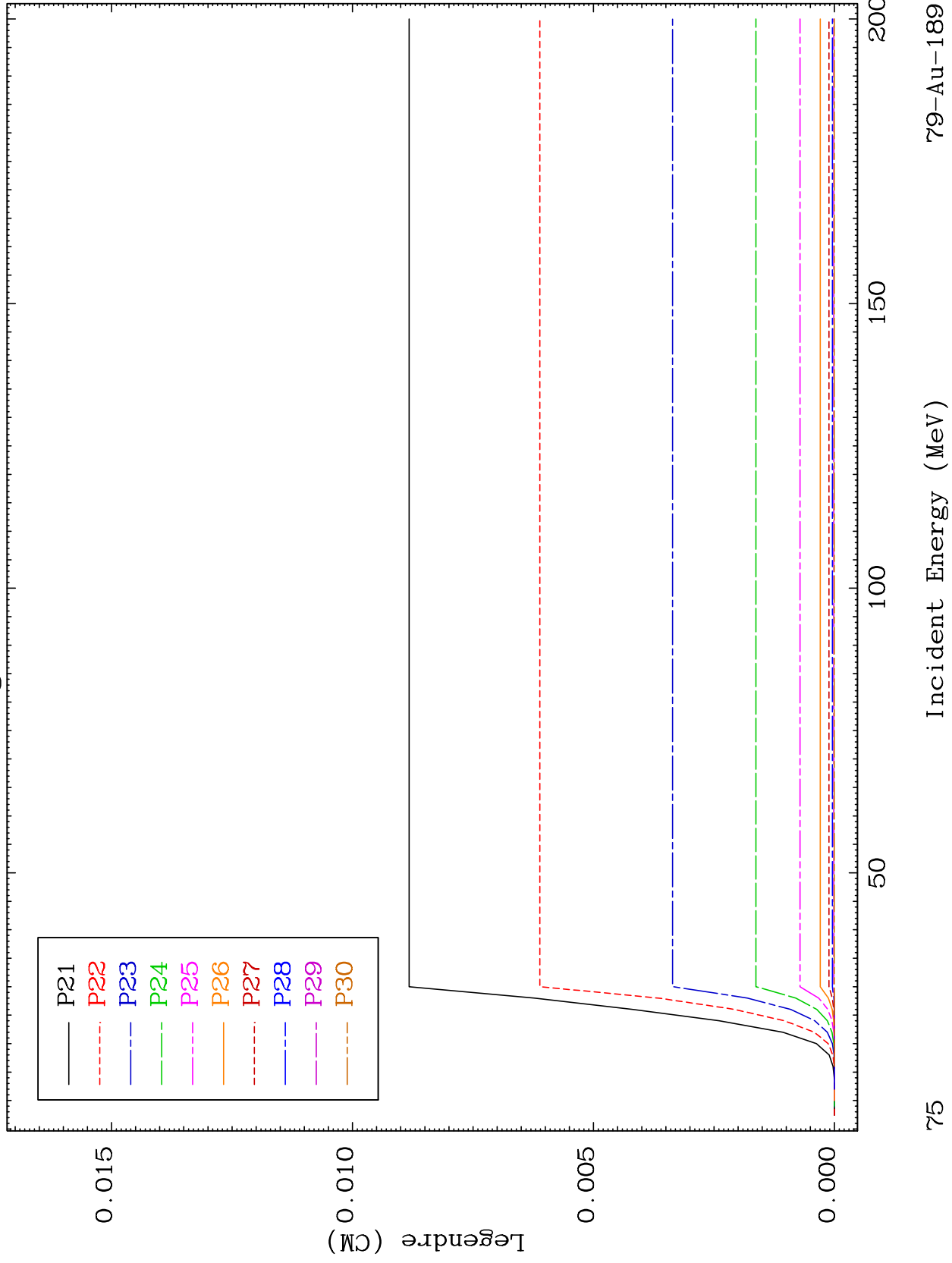
73



MAT 7901

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

79-Au-189



75

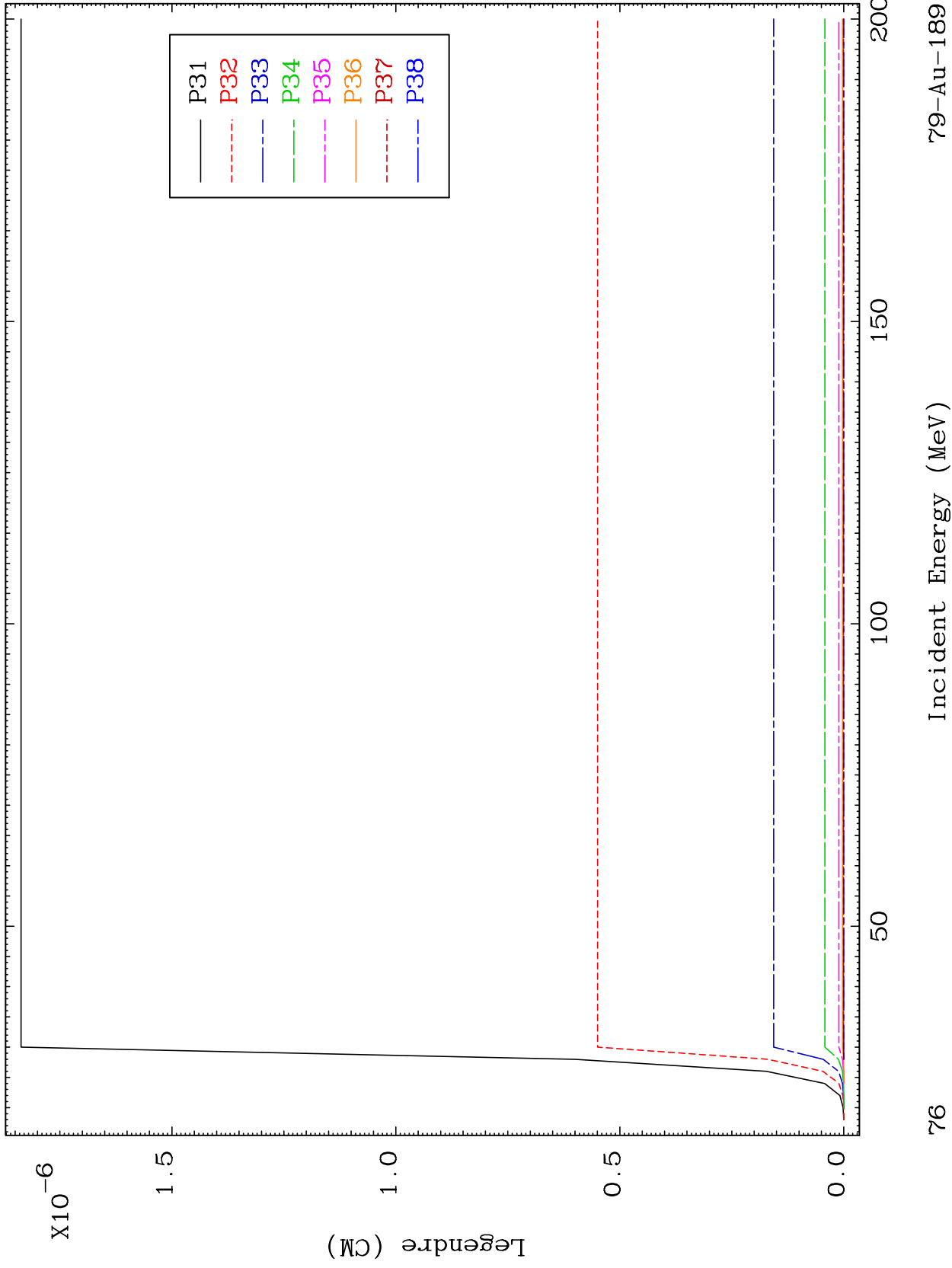
Incident Energy (MeV)

79-Au-189

MAT 7901

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

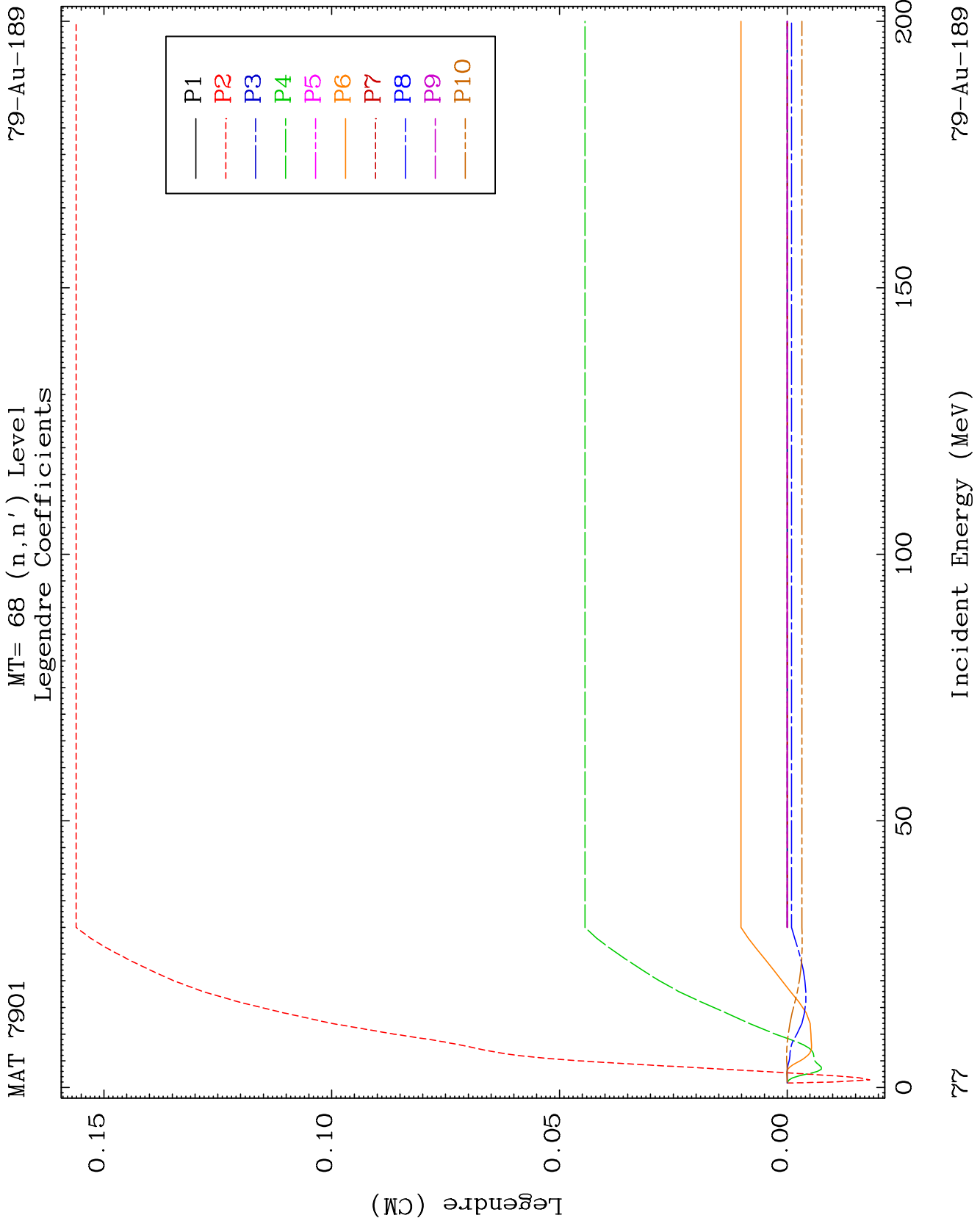
79-Au-189

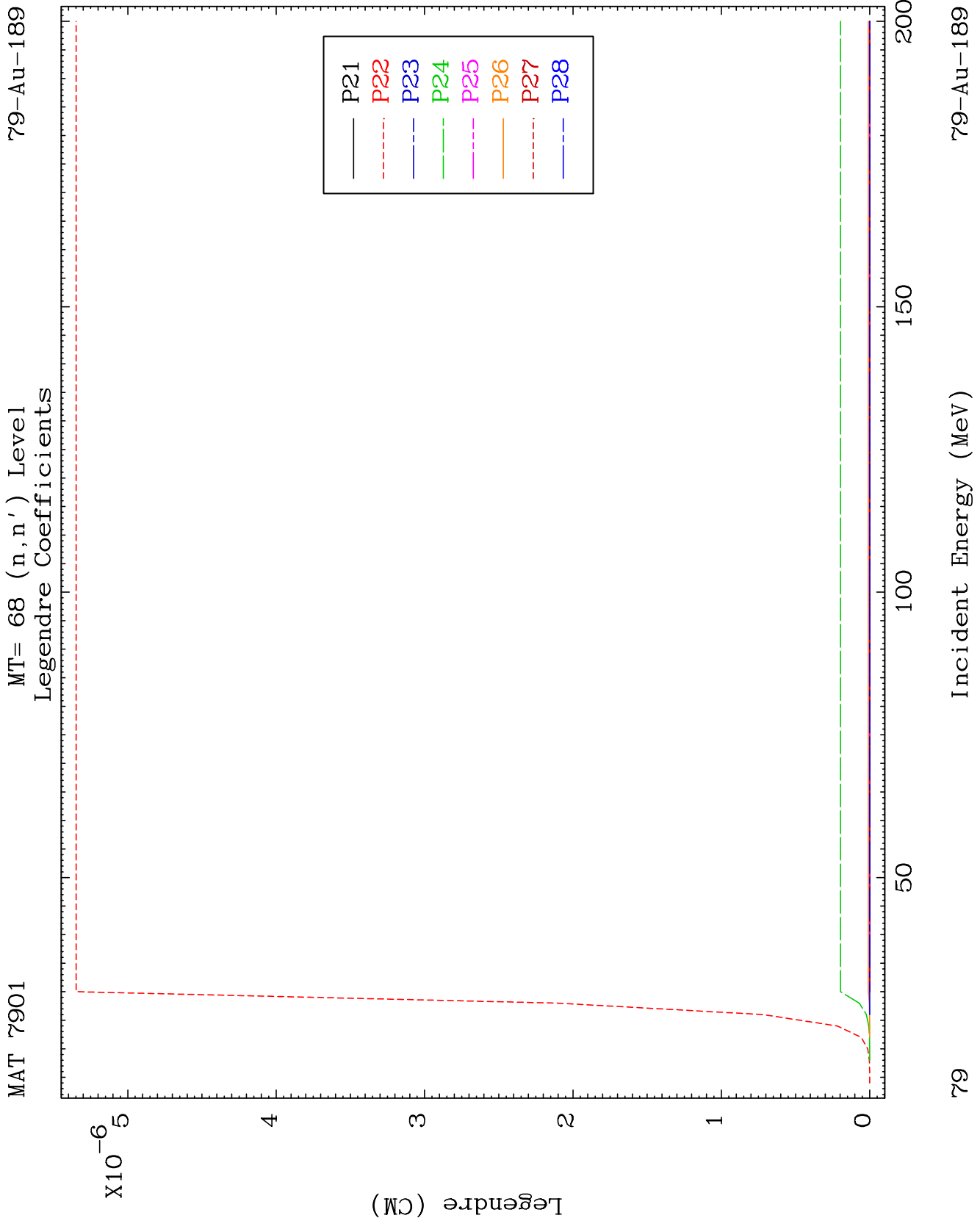


76

Incident Energy (MeV)

79-Au-189

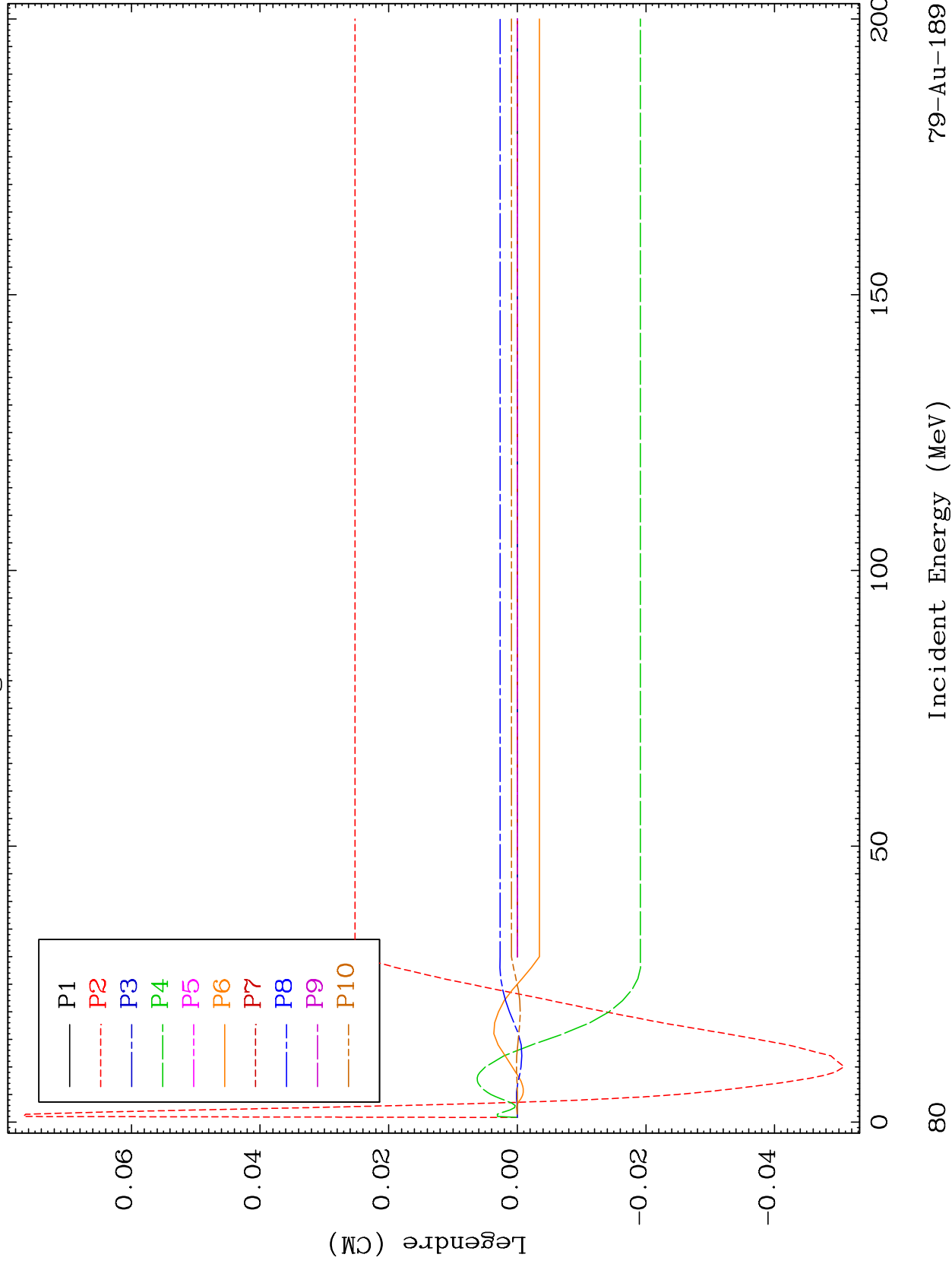




MAT 7901

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

79-Au-189



79-Au-189

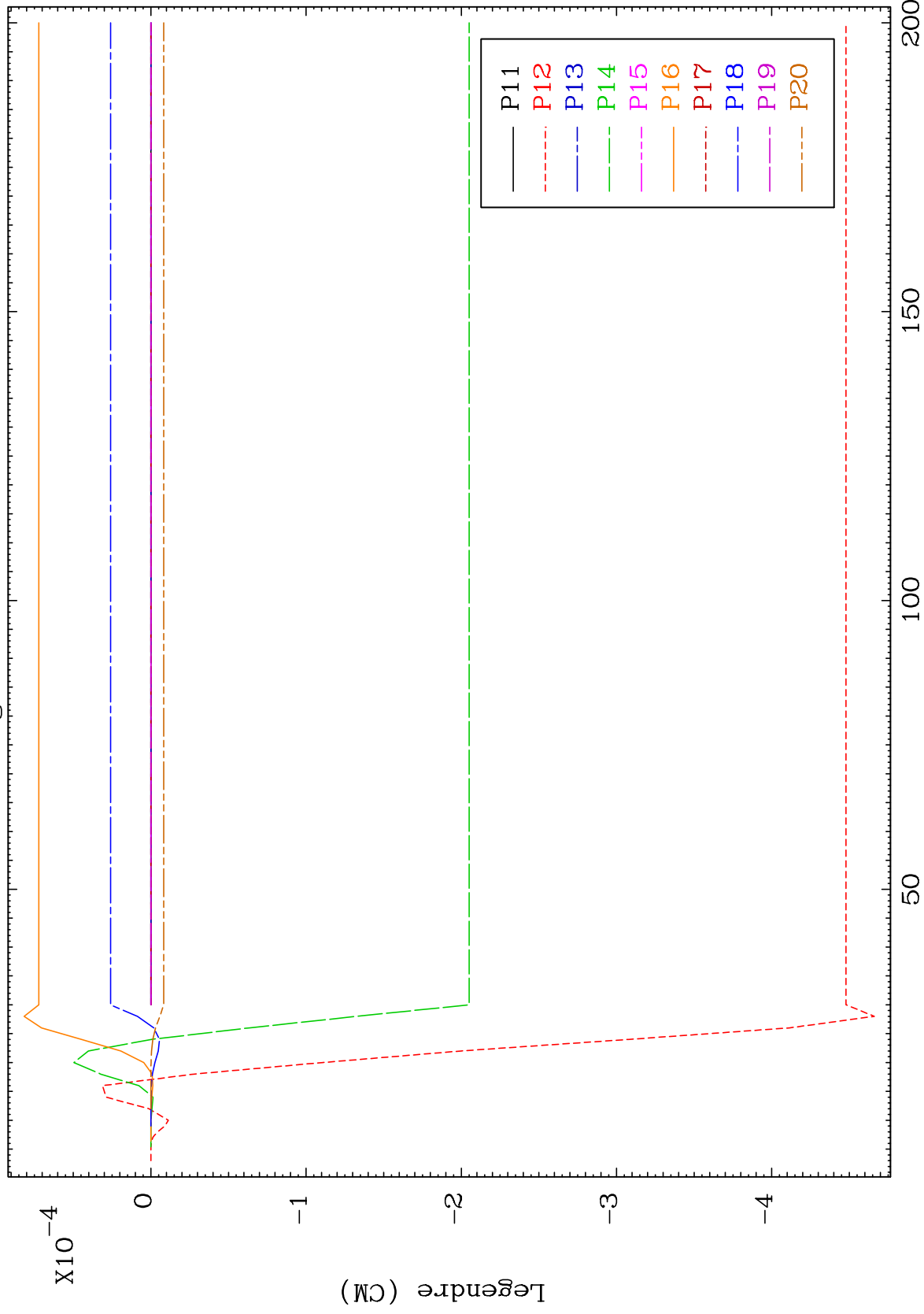
Incident Energy (MeV)

80

MAT 7901

79-Au-189

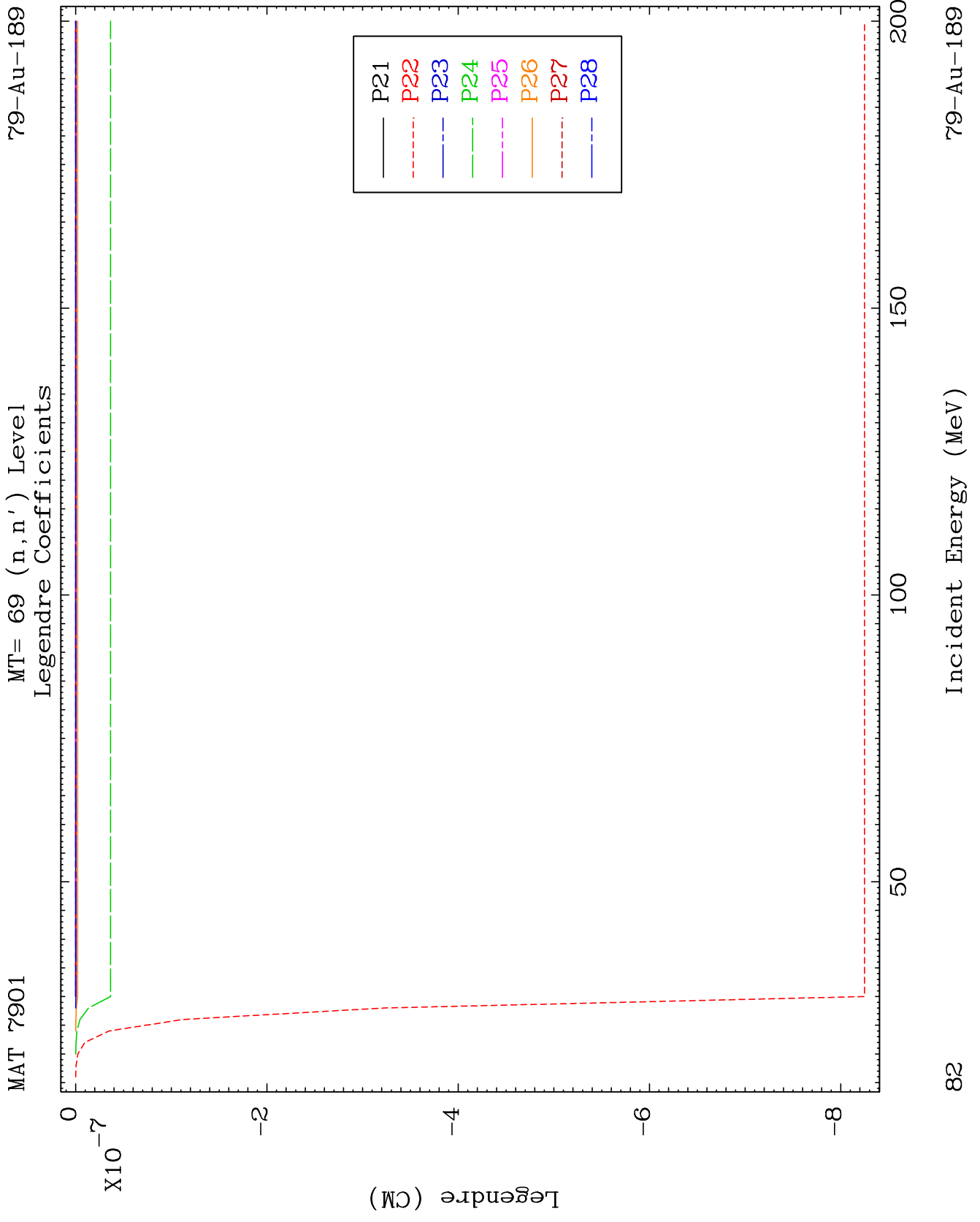
MT= 69 (n,n') Level
Legendre Coefficients

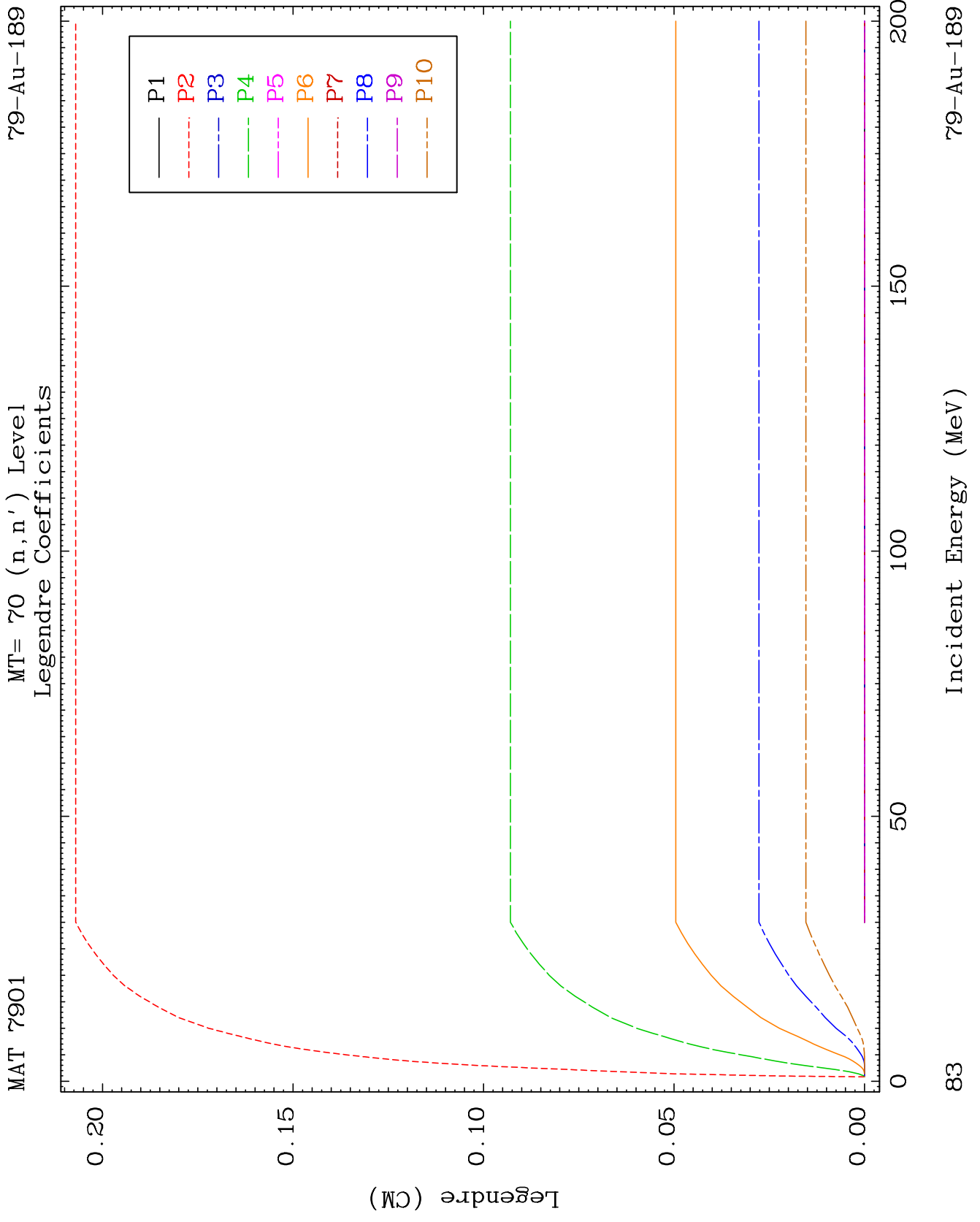


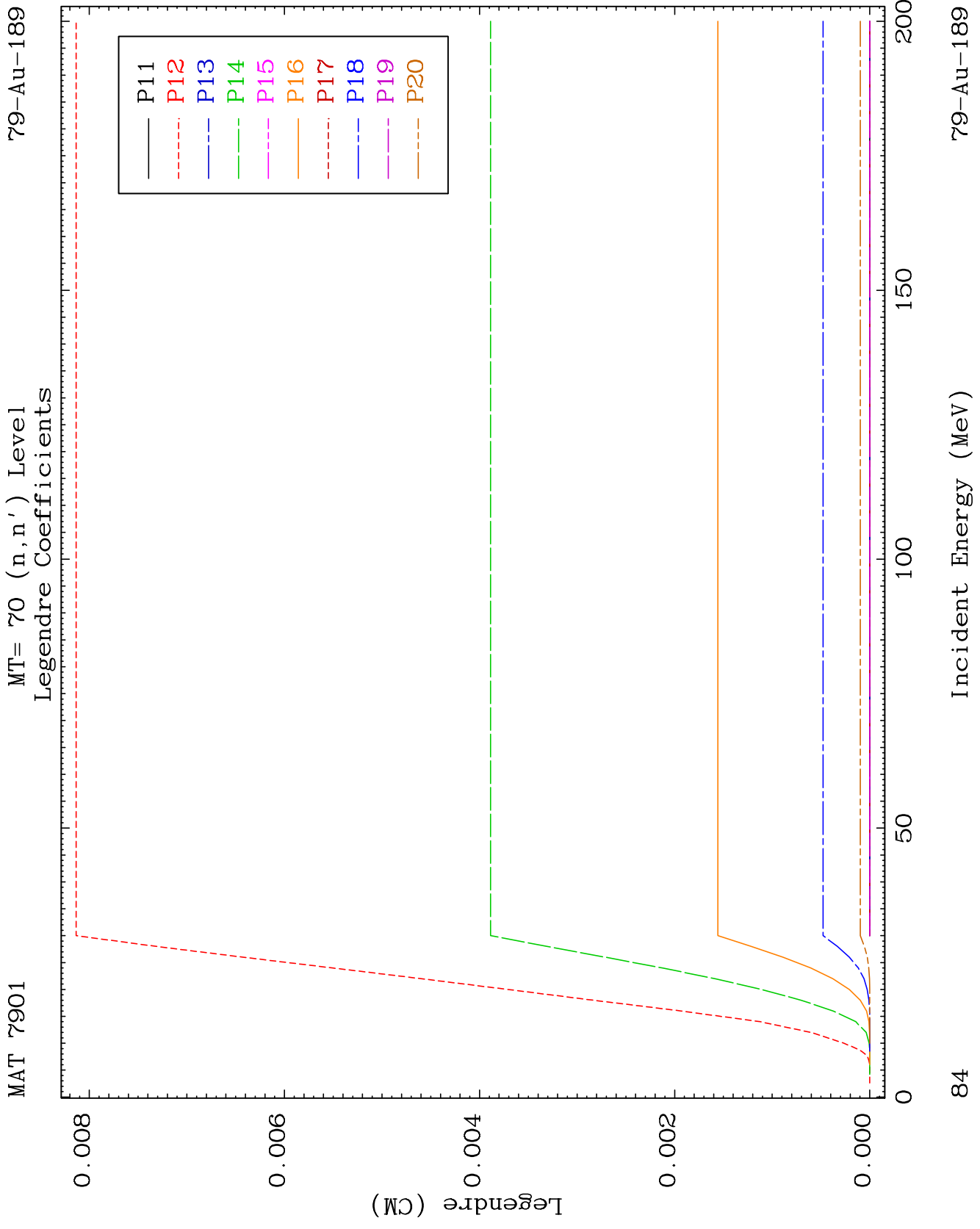
81

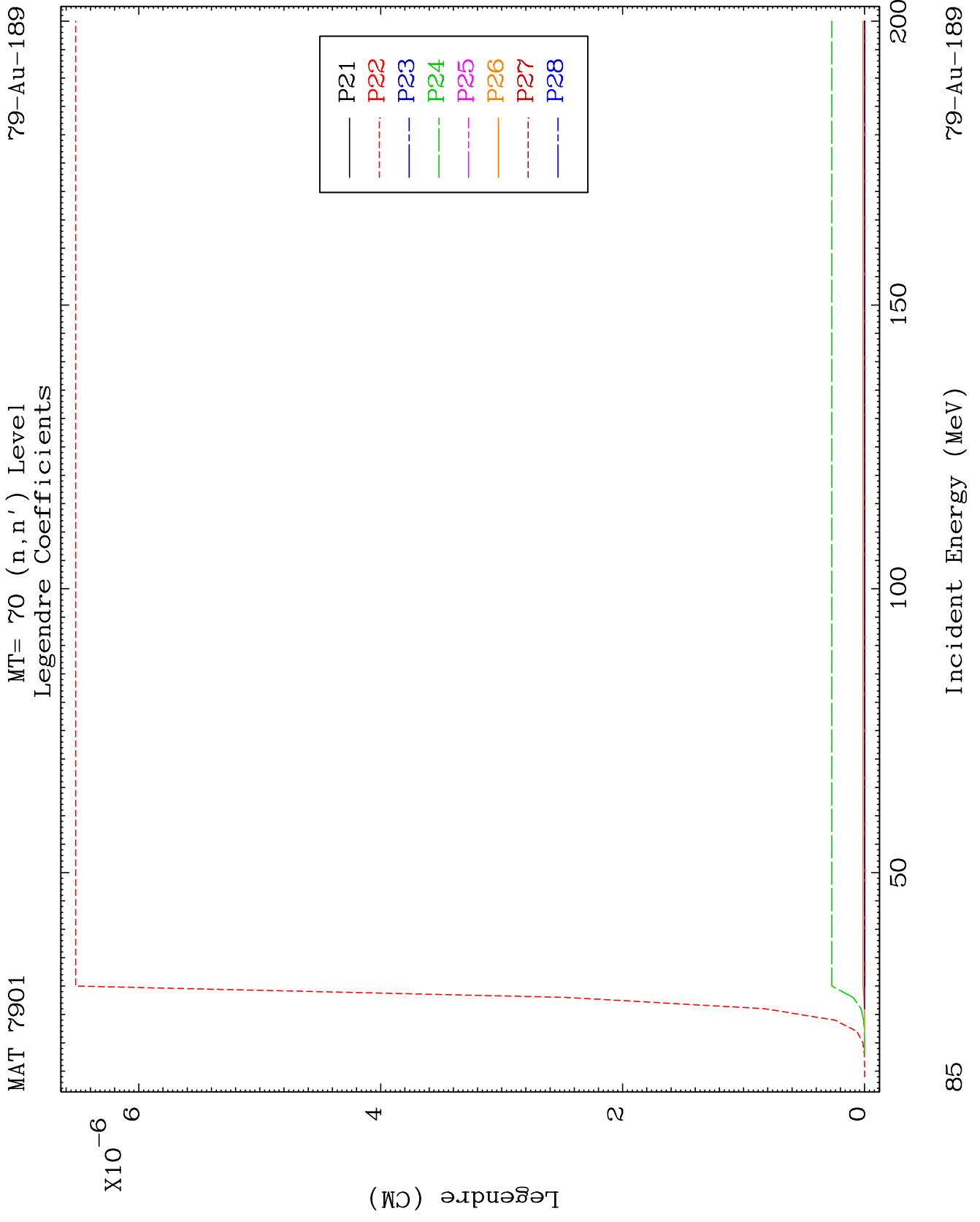
Incident Energy (MeV)

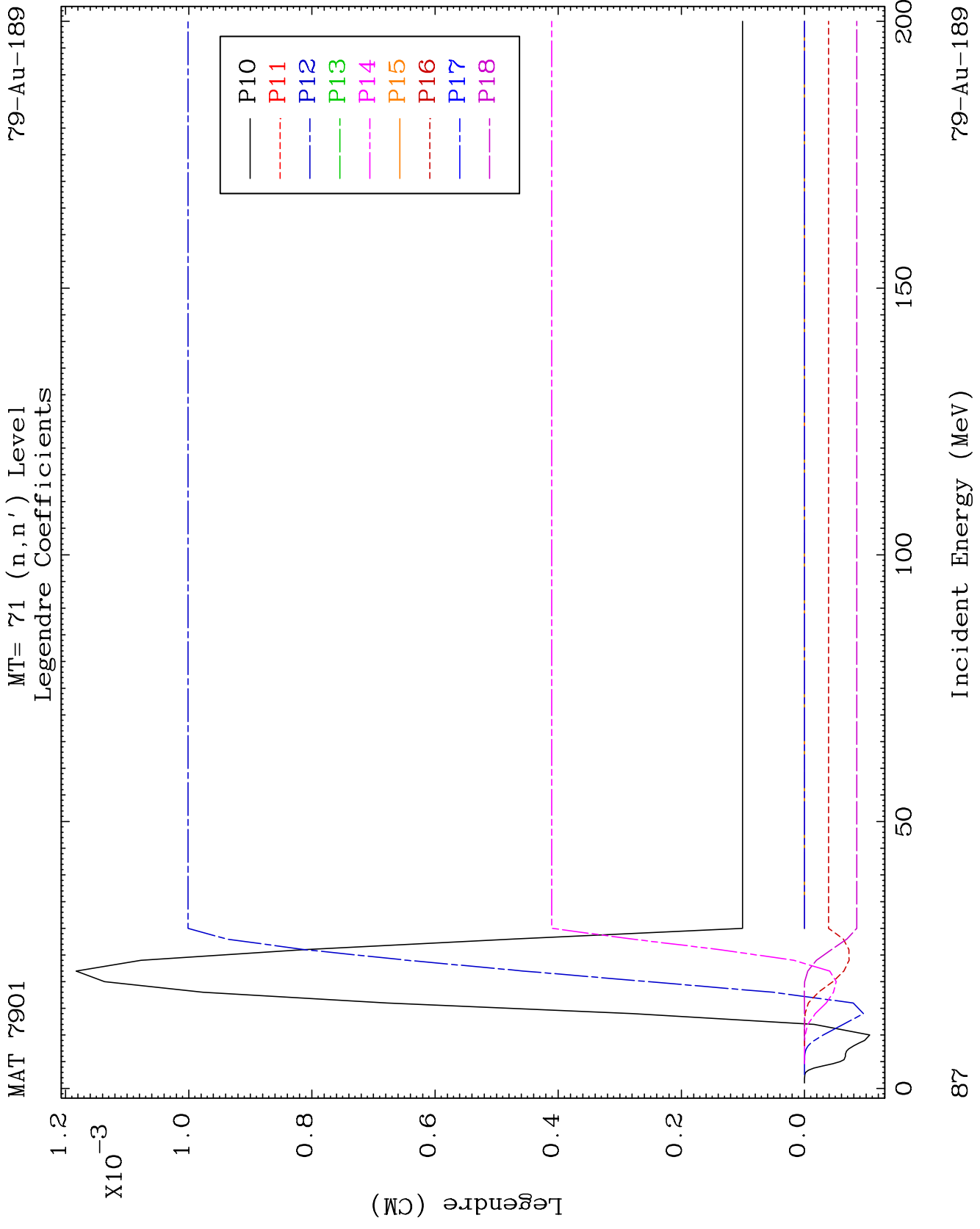
79-Au-189







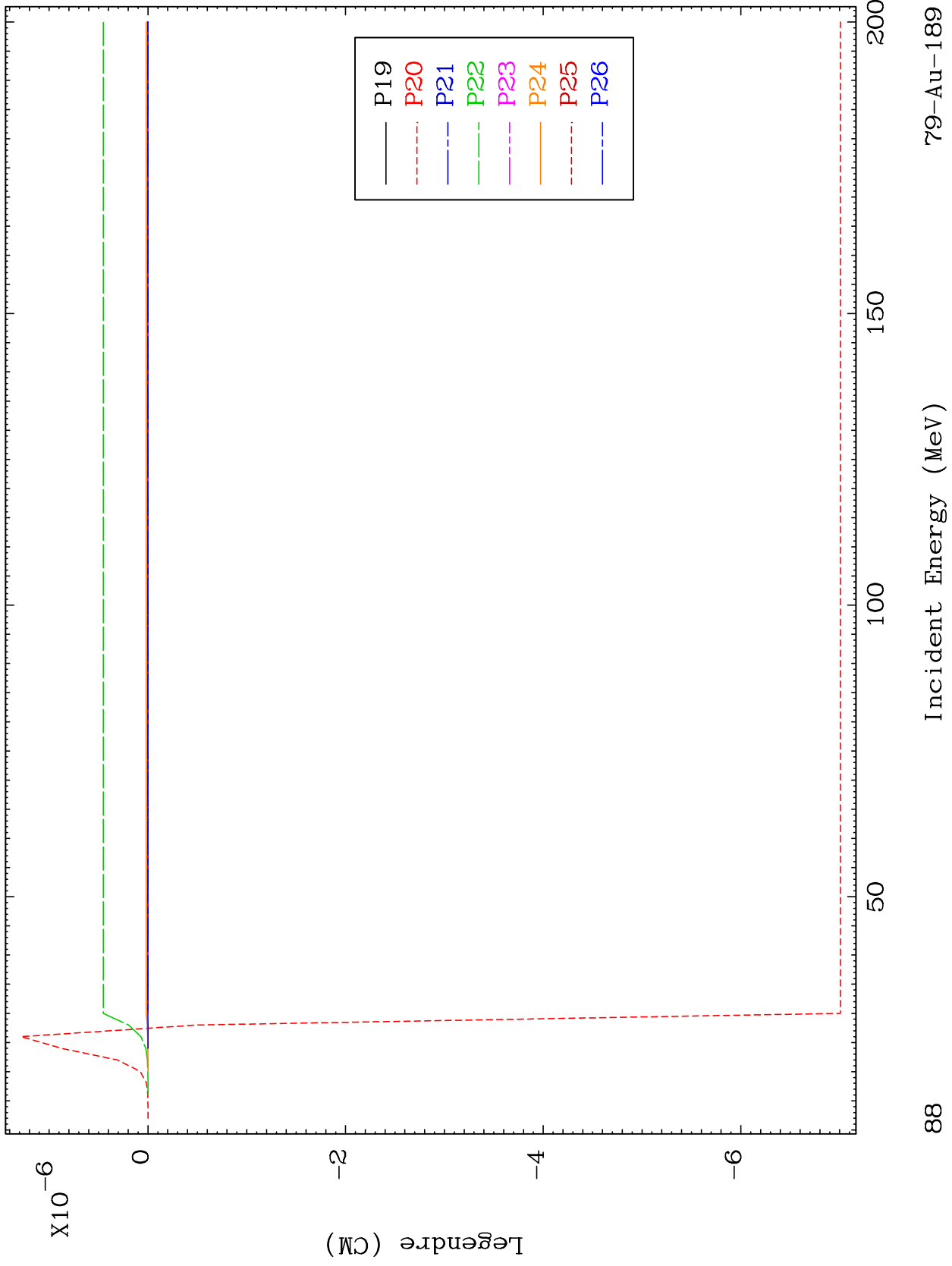




MAT 7901

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

79-Au-189



88

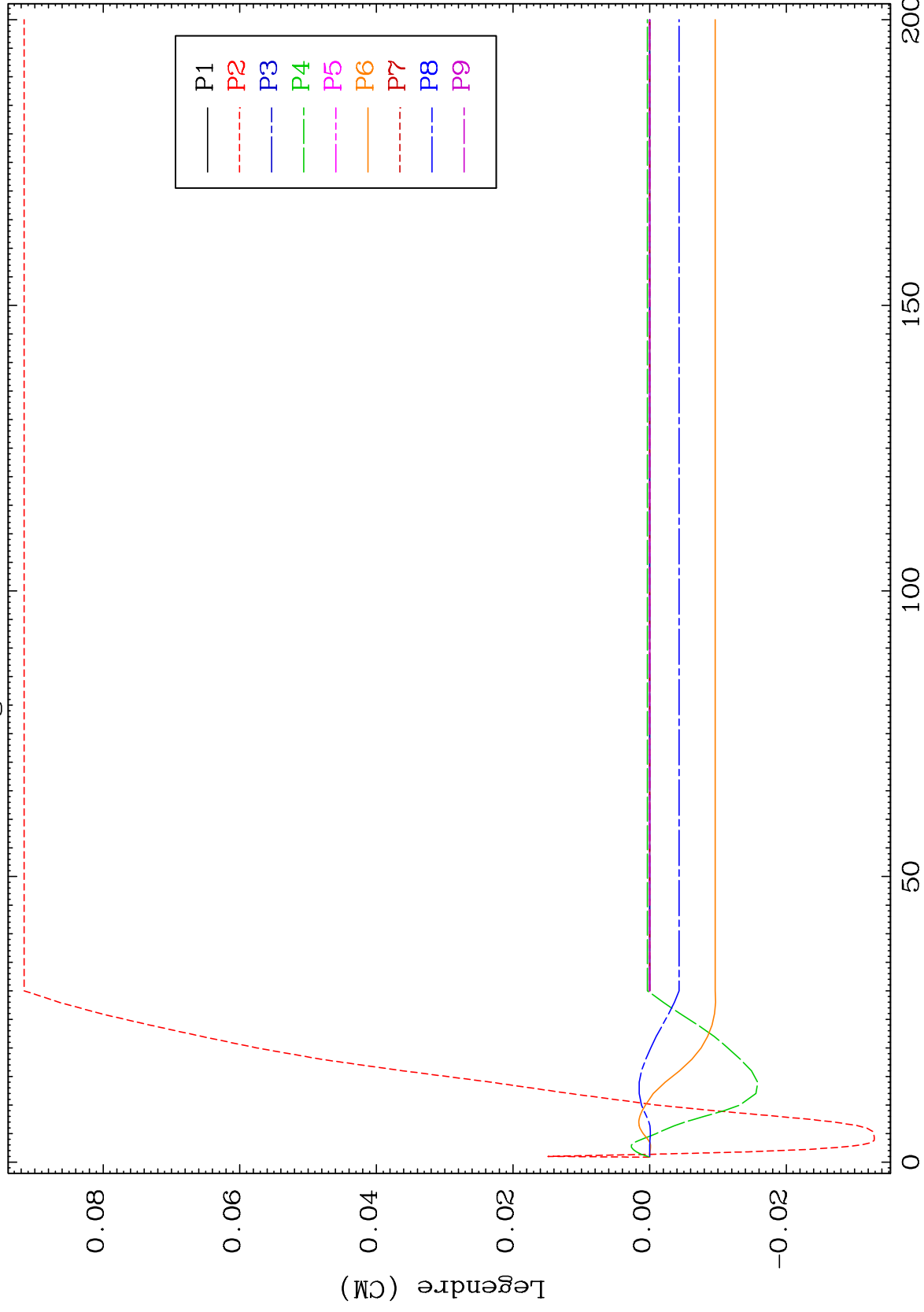
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



89

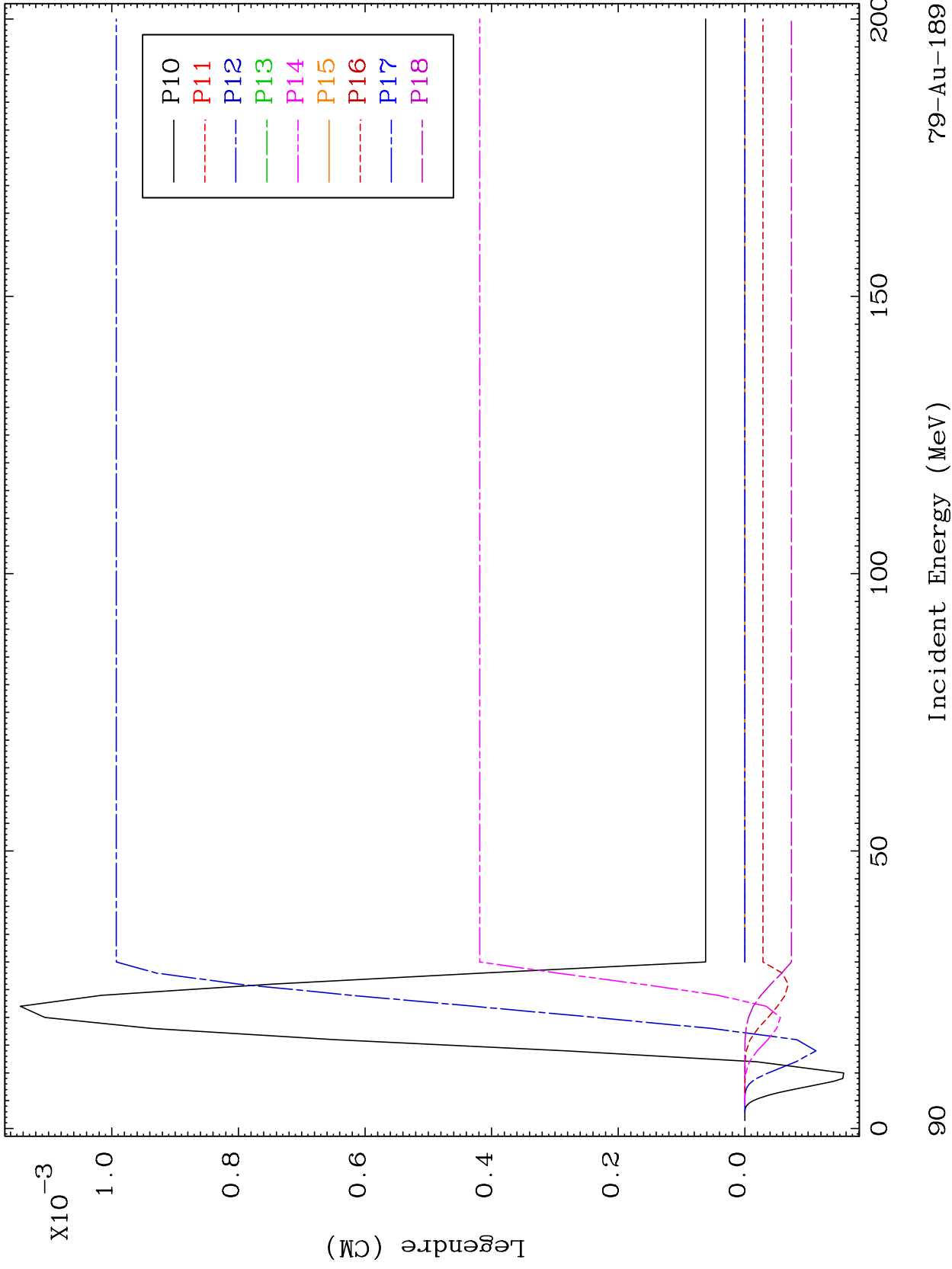
Incident Energy (MeV)

79-Au-189

MAT 7901

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

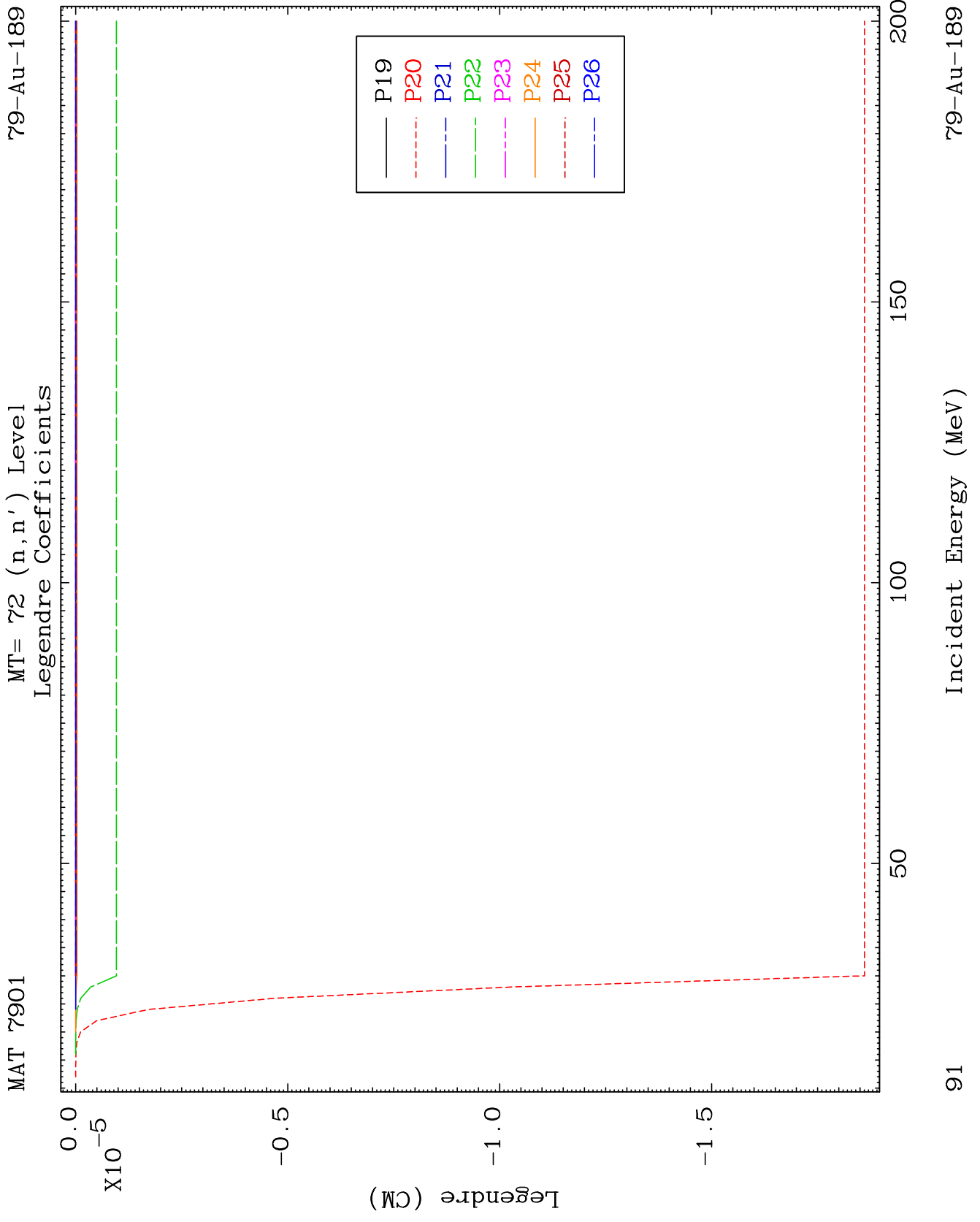
79-Au-189



79-Au-189

Incident Energy (MeV)

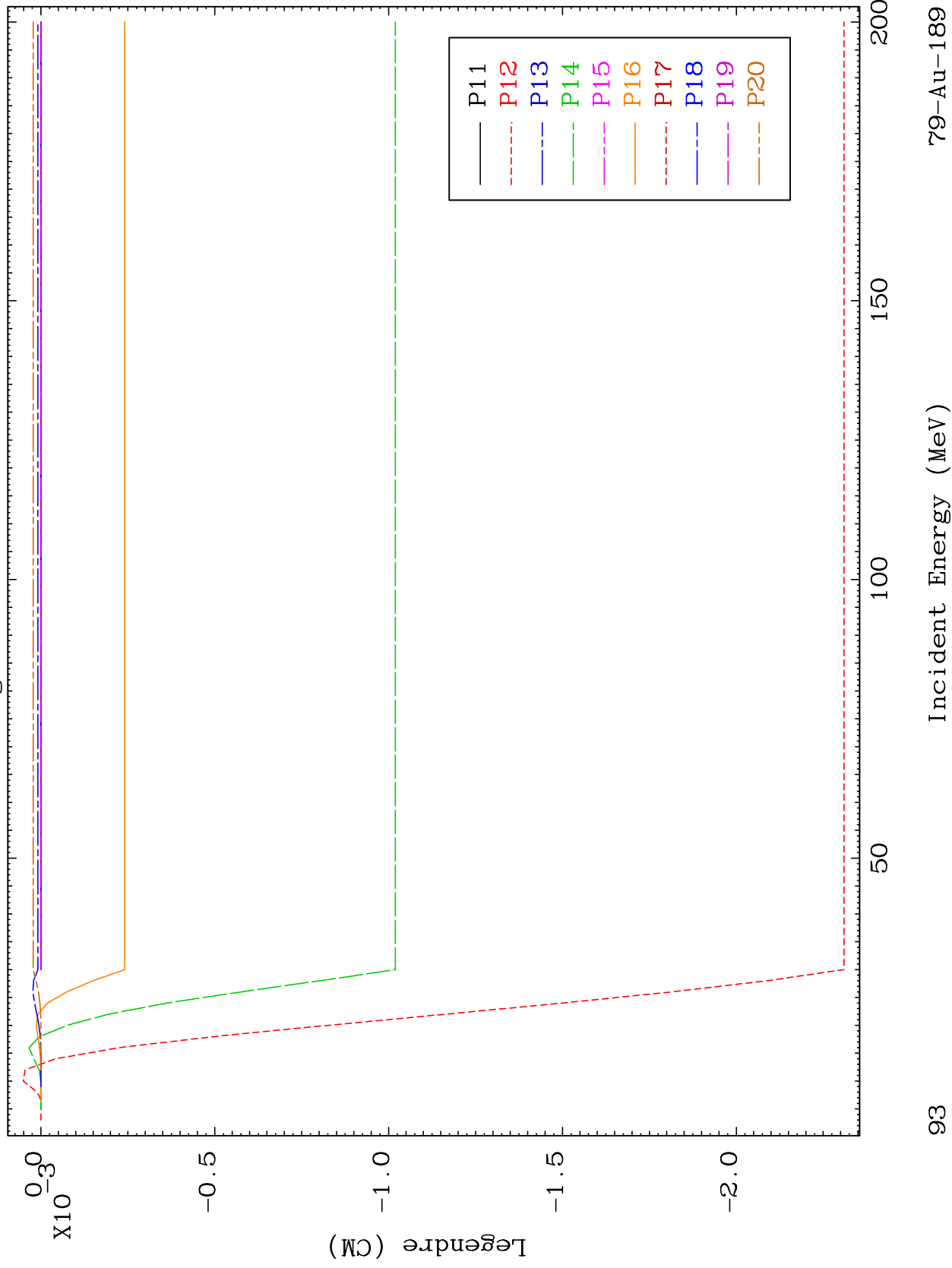
90

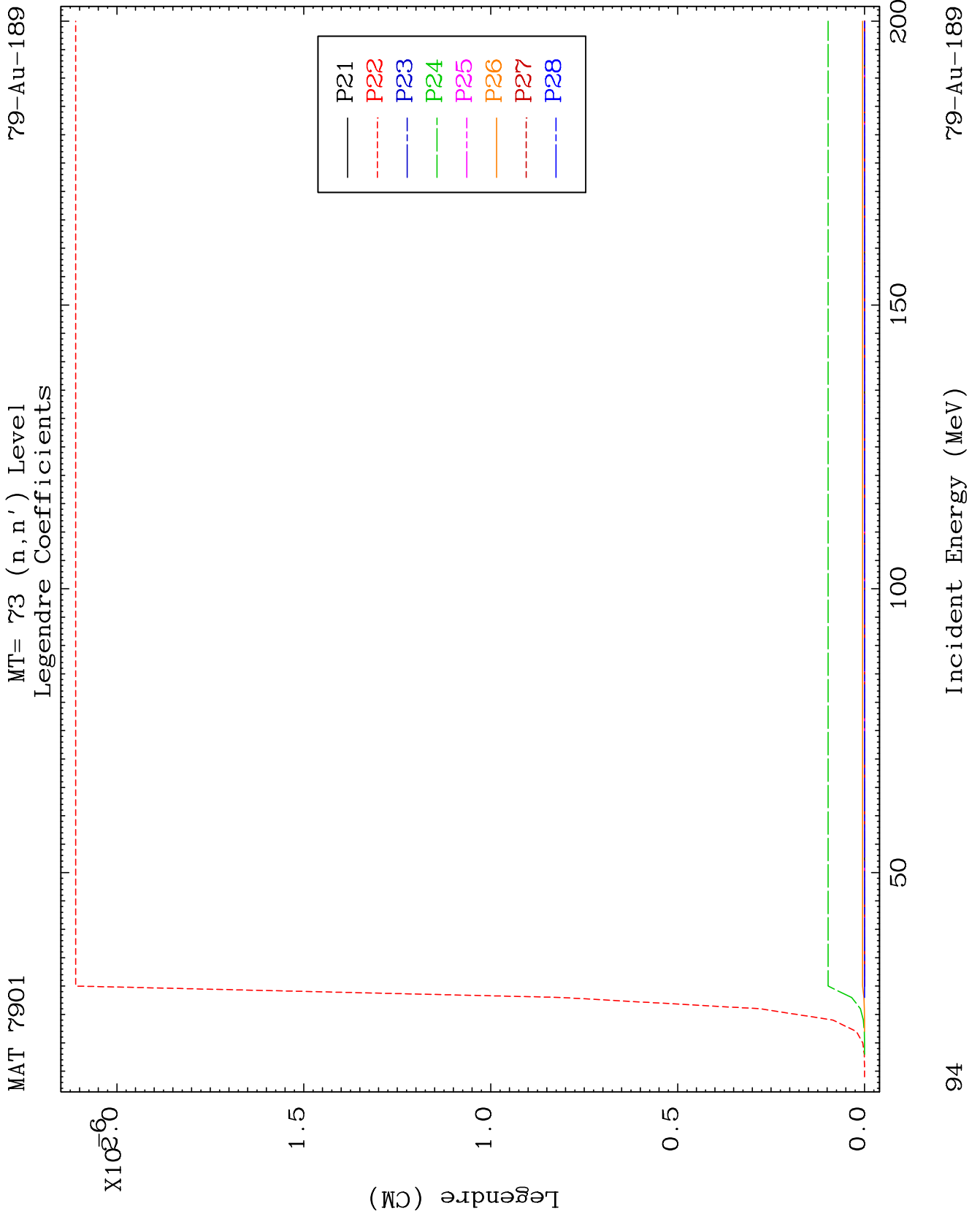


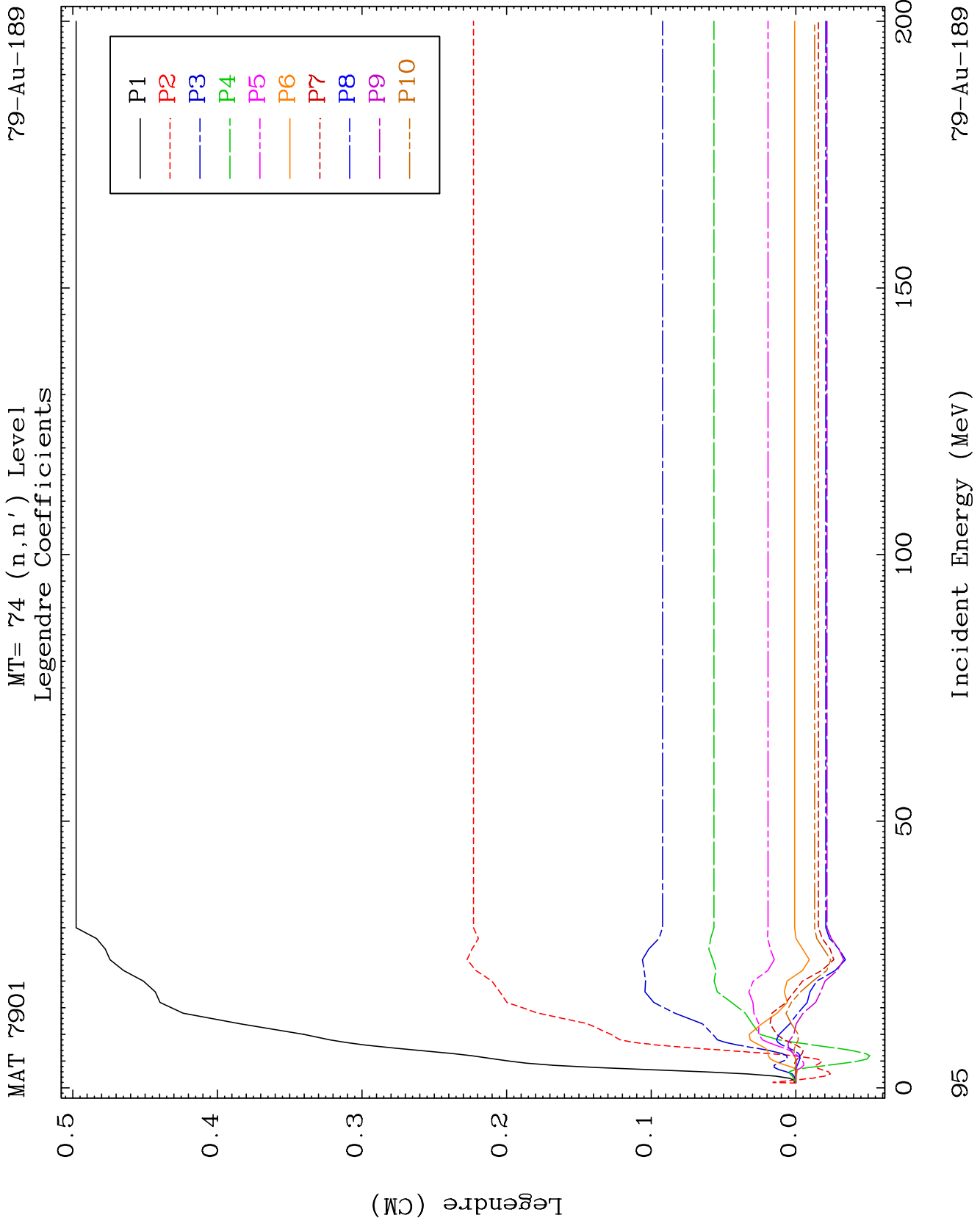
MAT 7901

79-Au-189

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



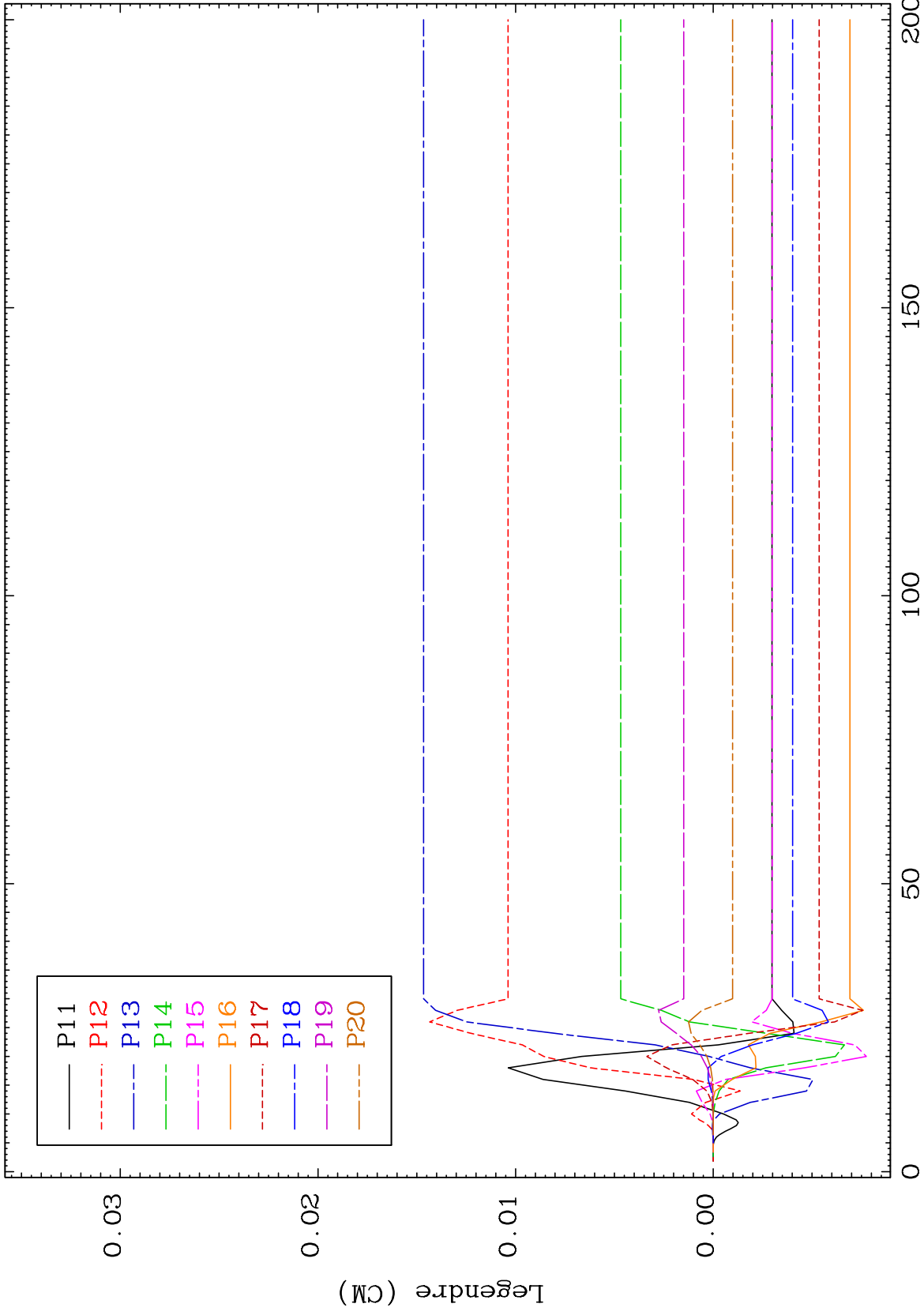




MAT 7901

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

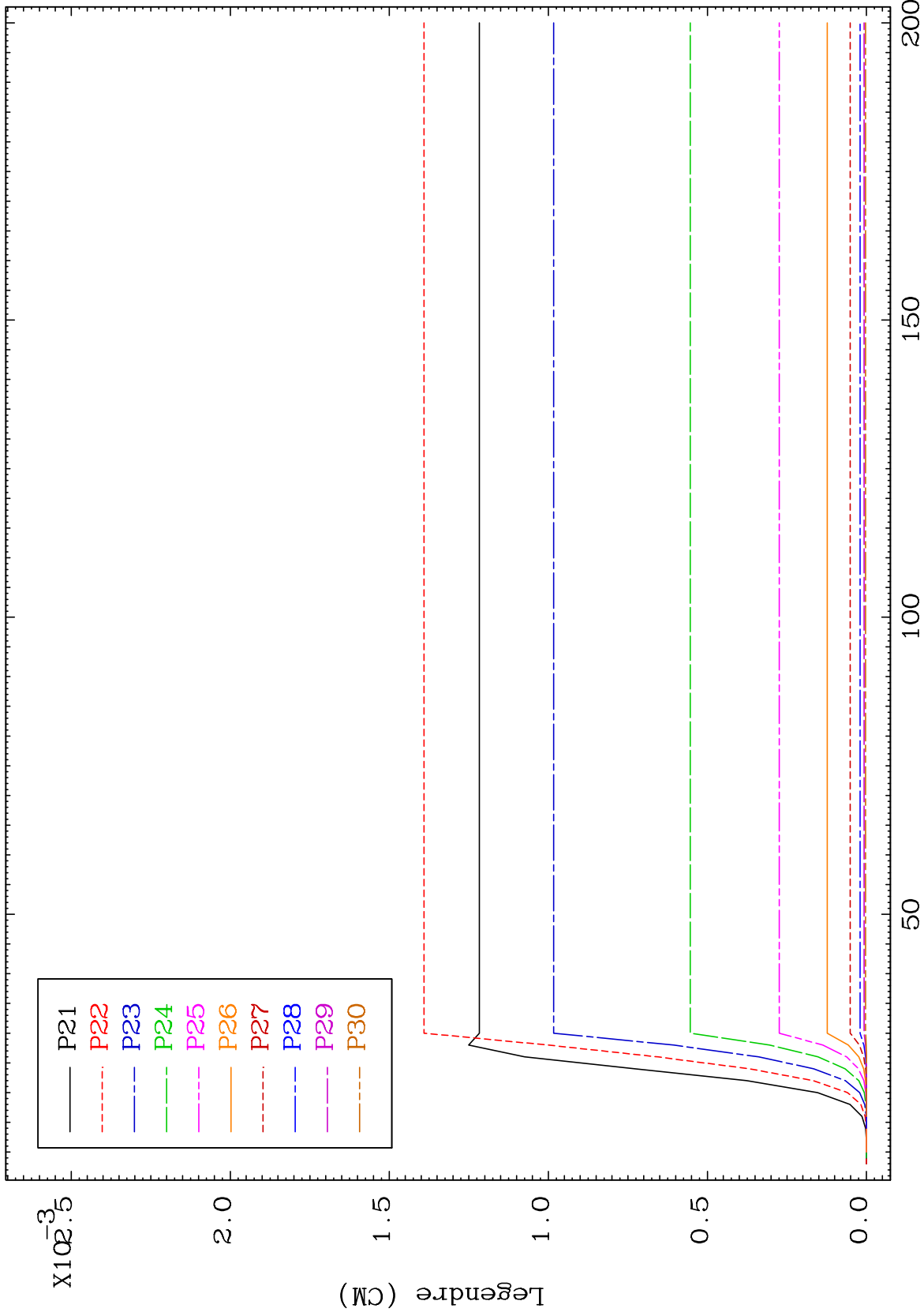
79-Au-189



96

Incident Energy (MeV)

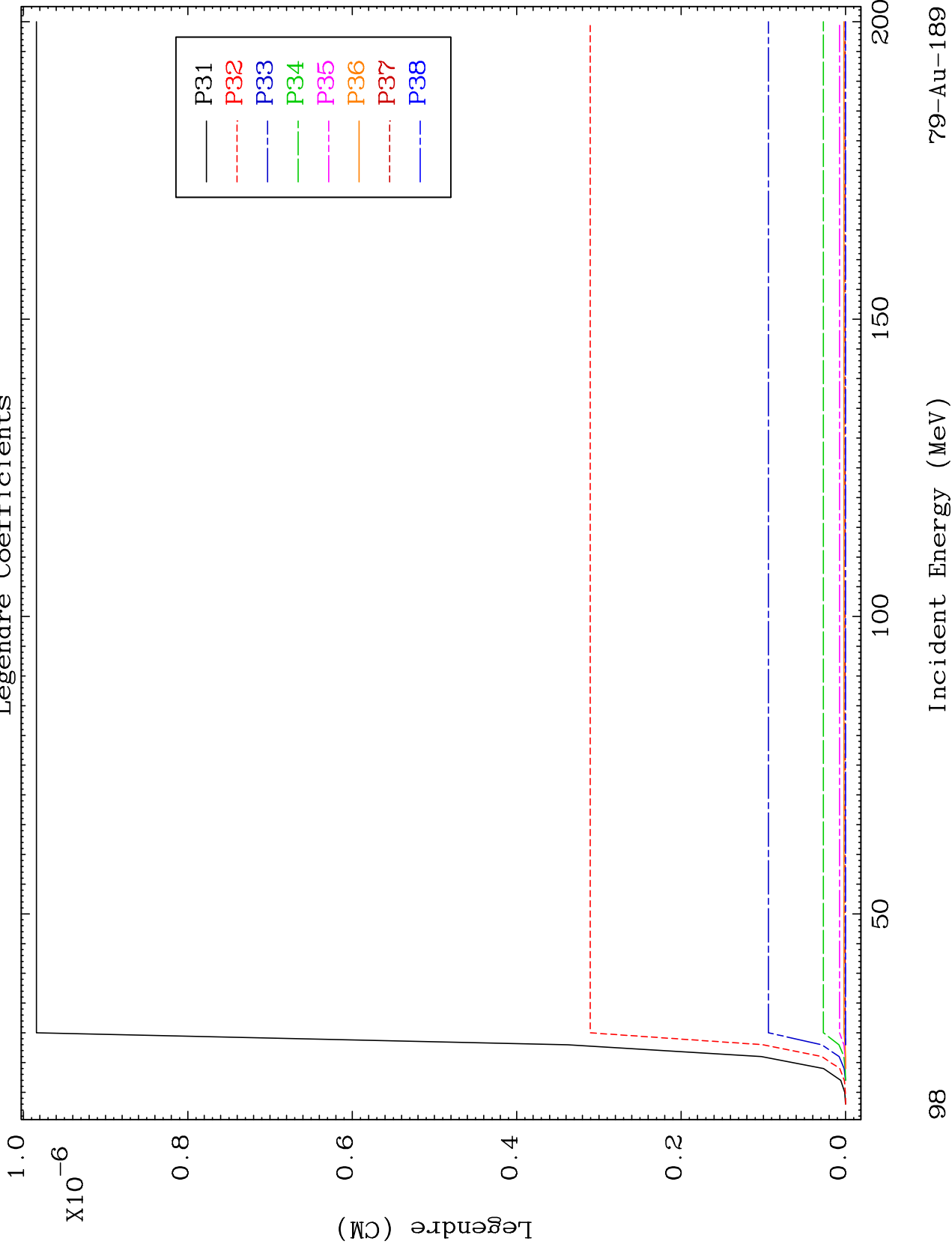
79-Au-189

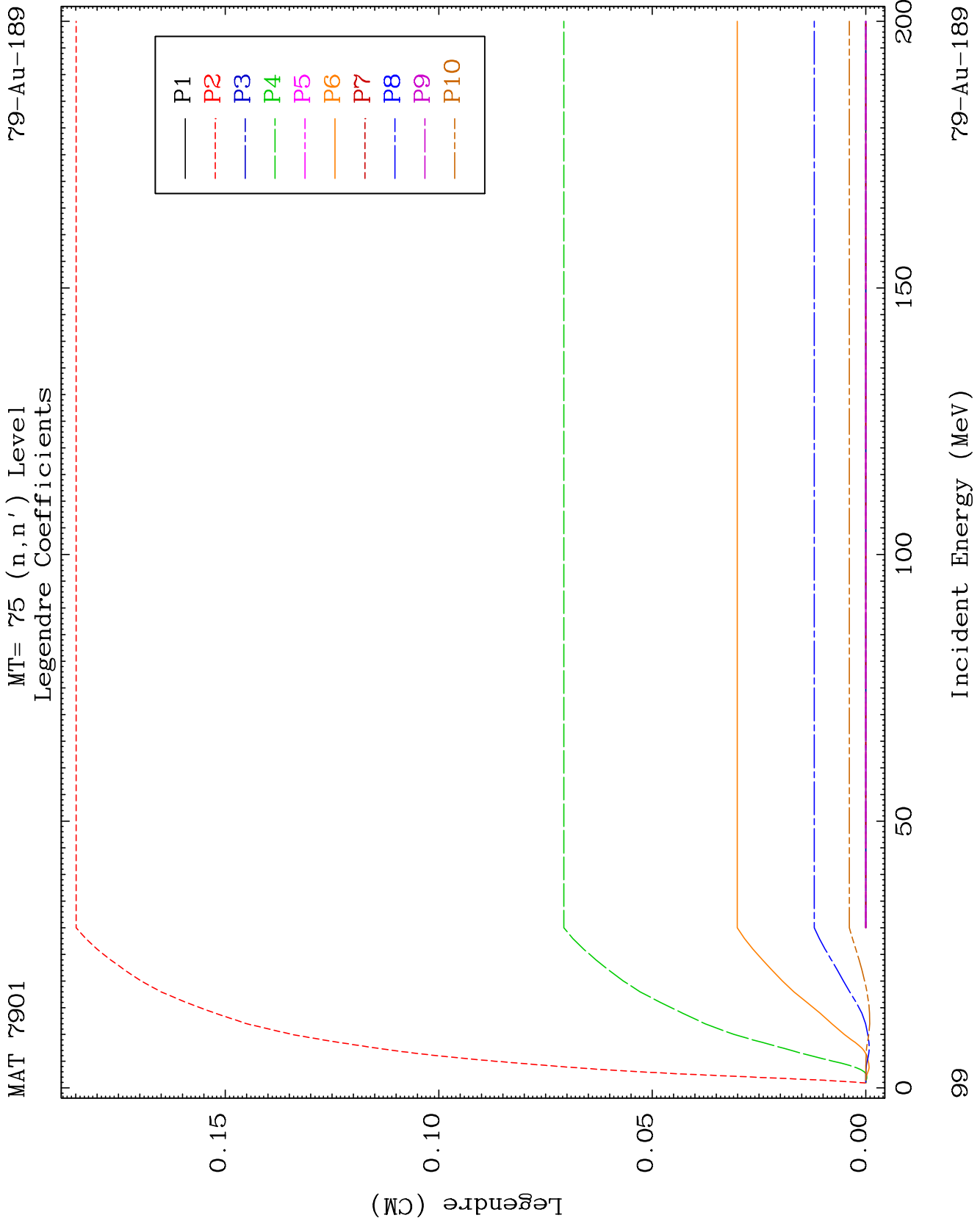


MAT 7901

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

79-Au-189





79-Au-189

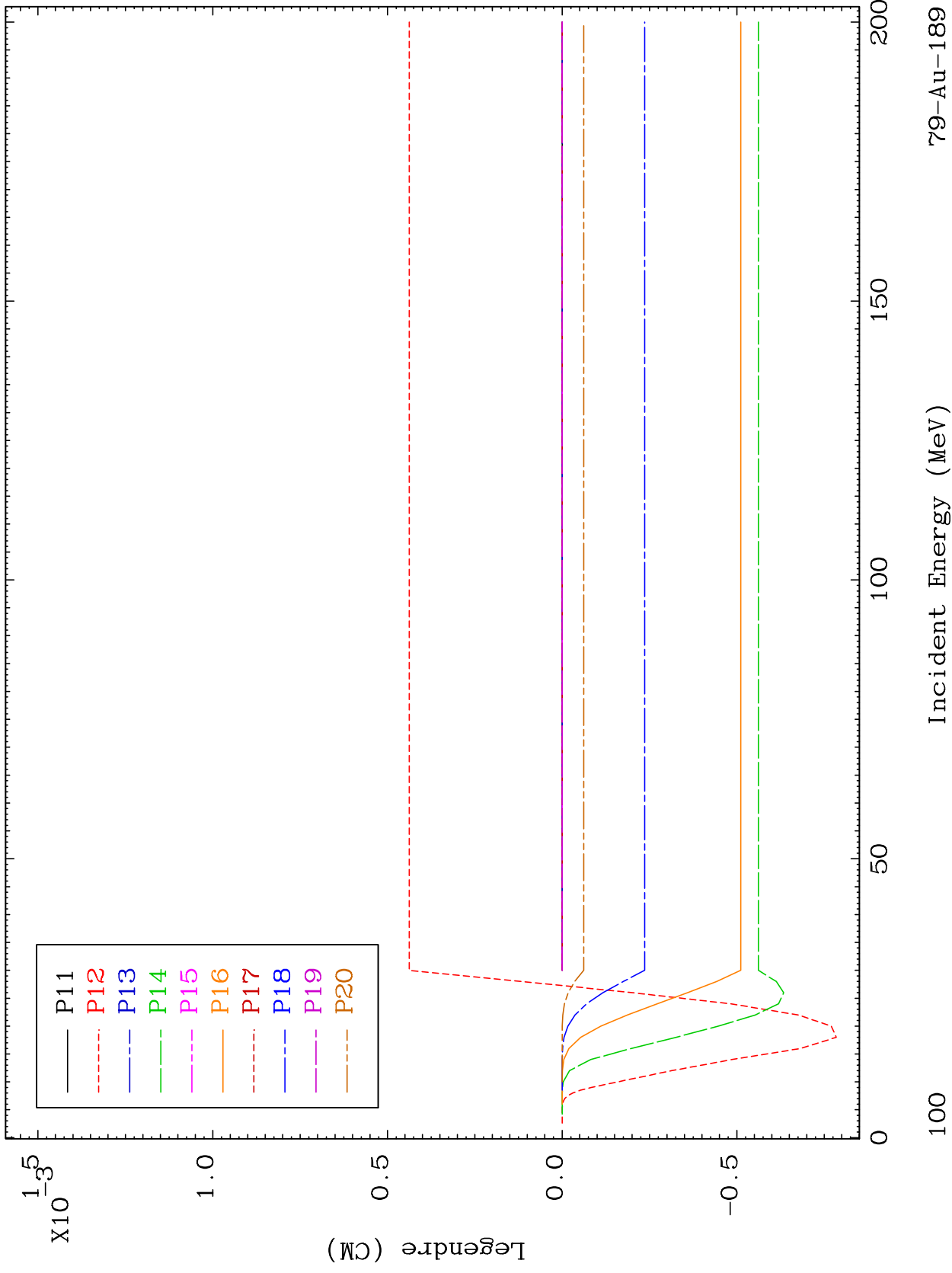
Incident Energy (MeV)

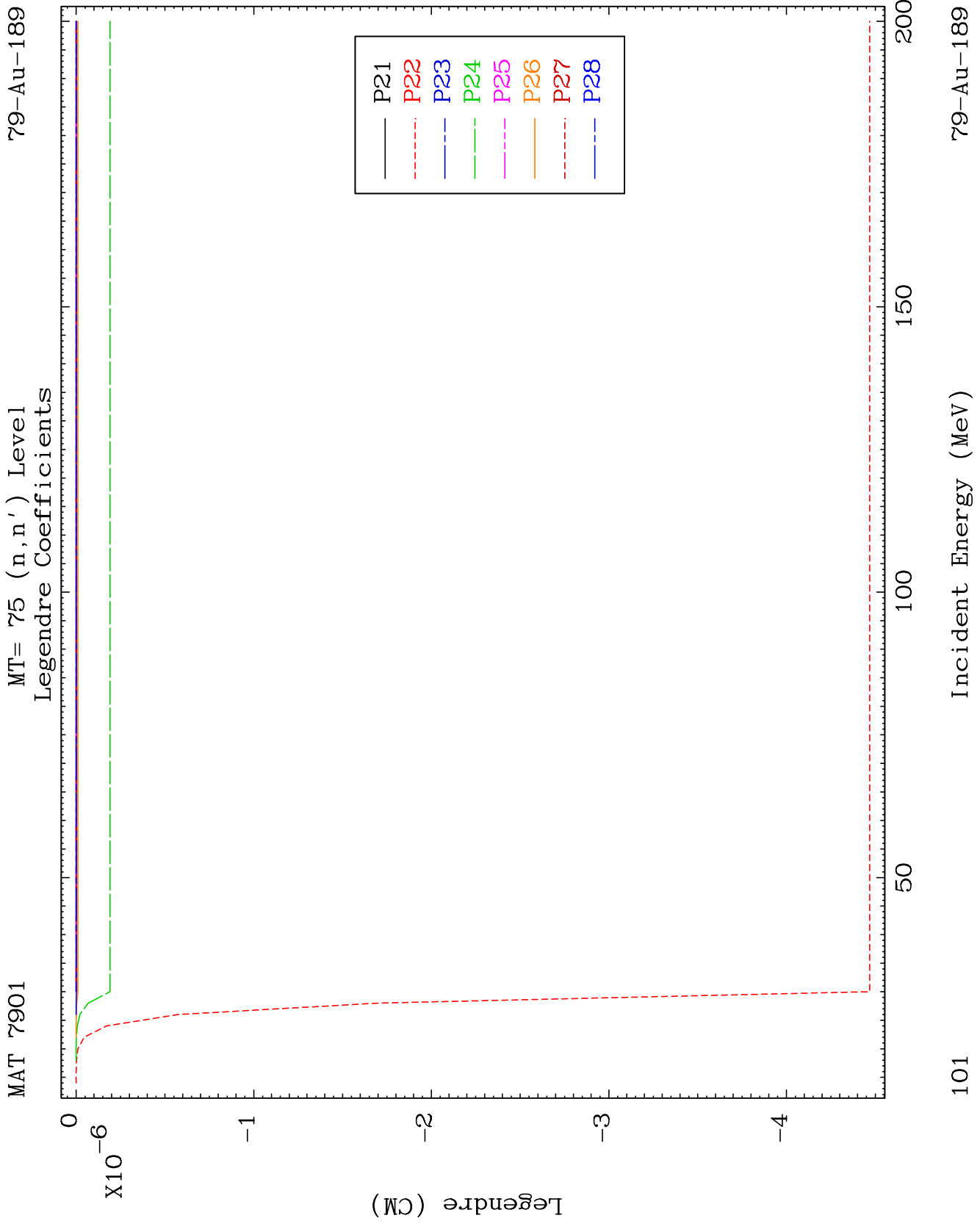
99

MAT 7901

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

79-Au-189

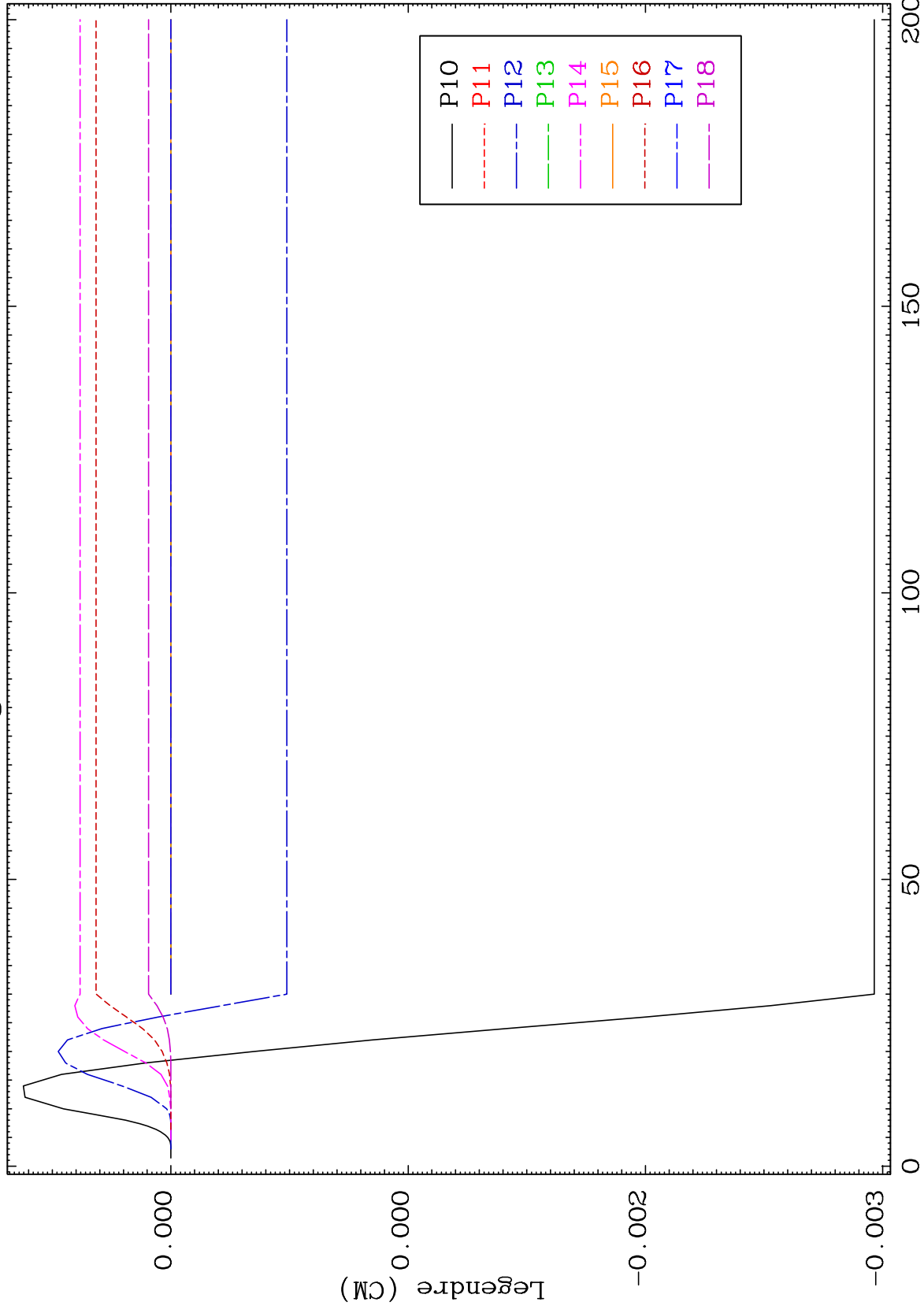




MAT 7901

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

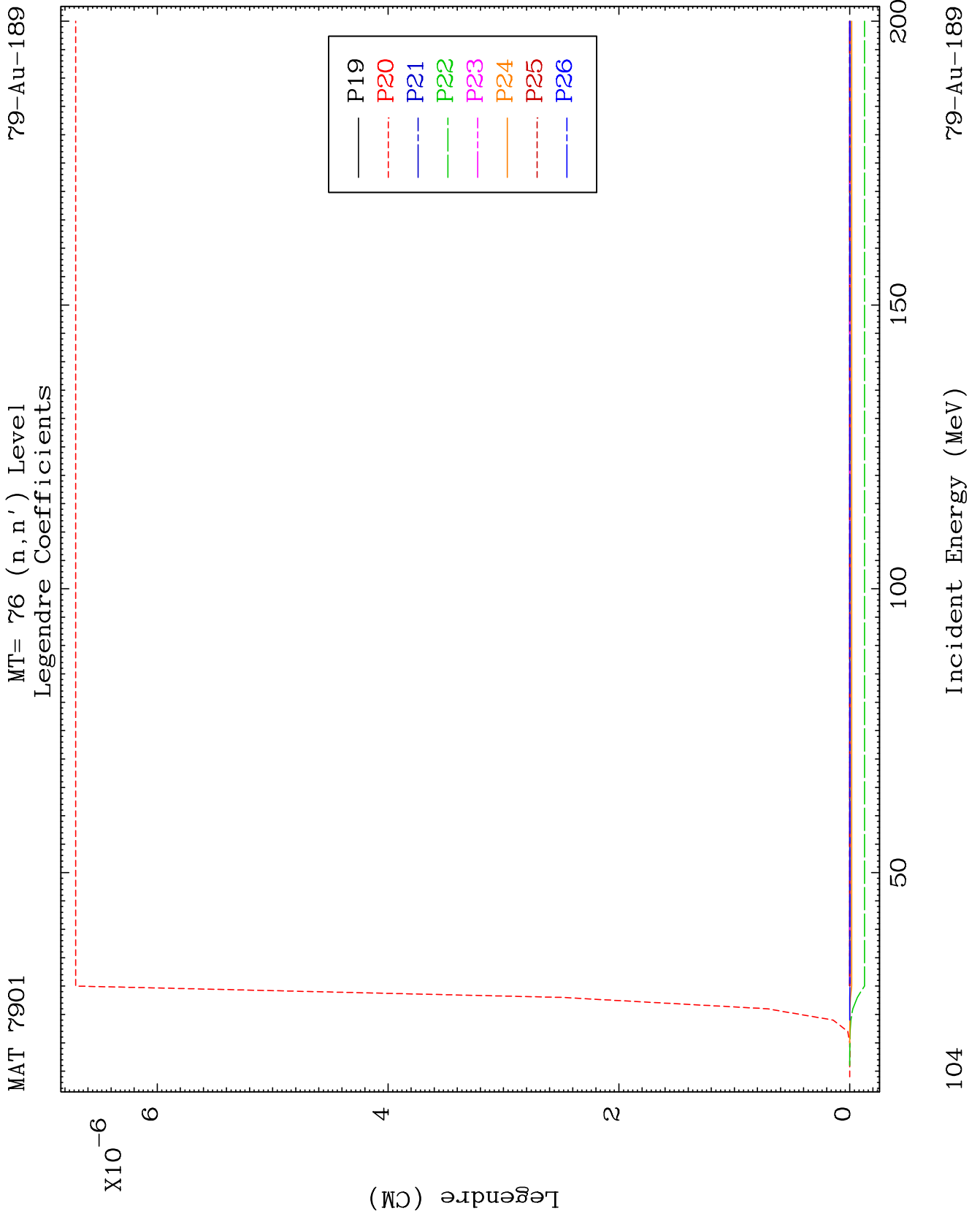
79-Au-189

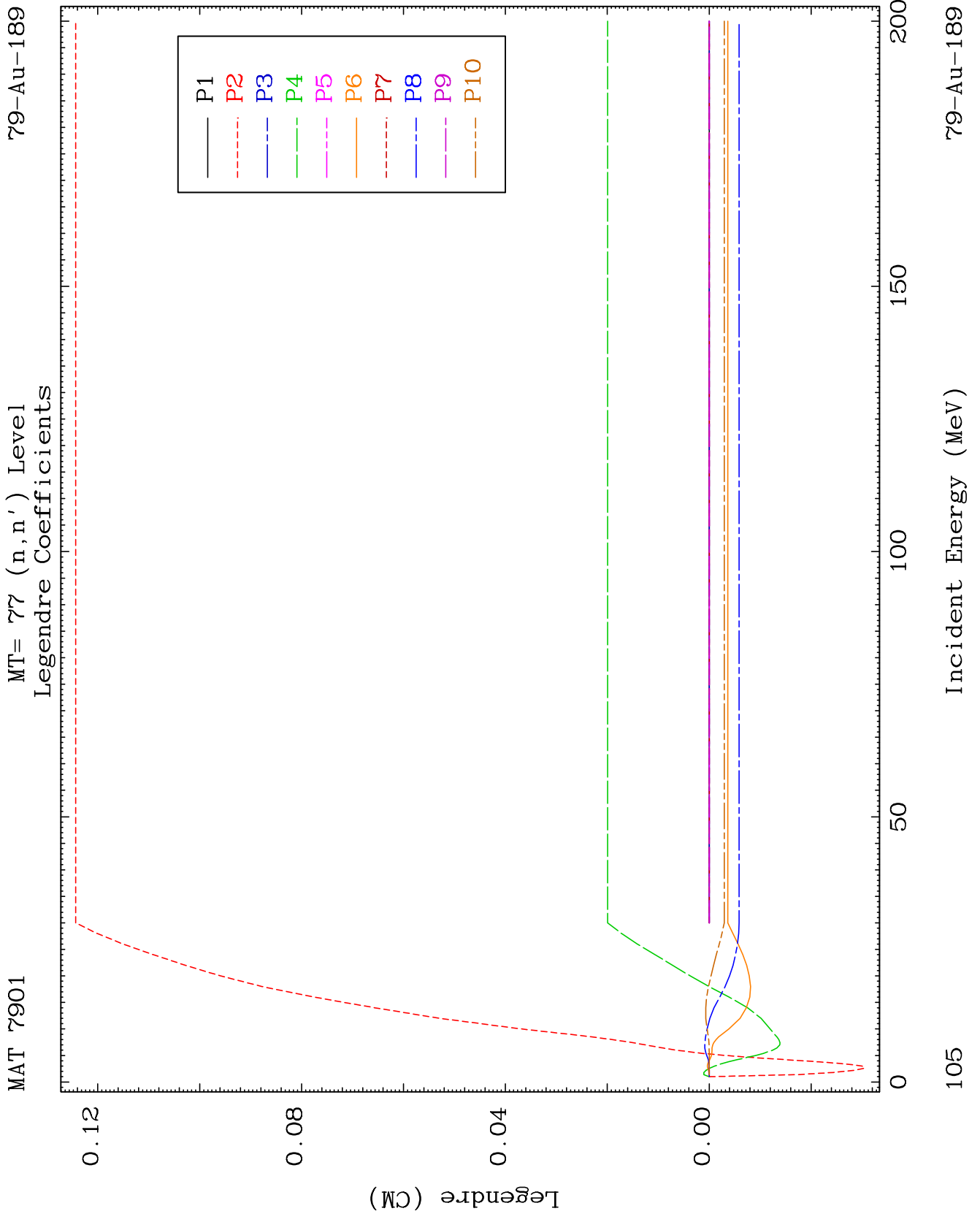


103

Incident Energy (MeV)

79-Au-189

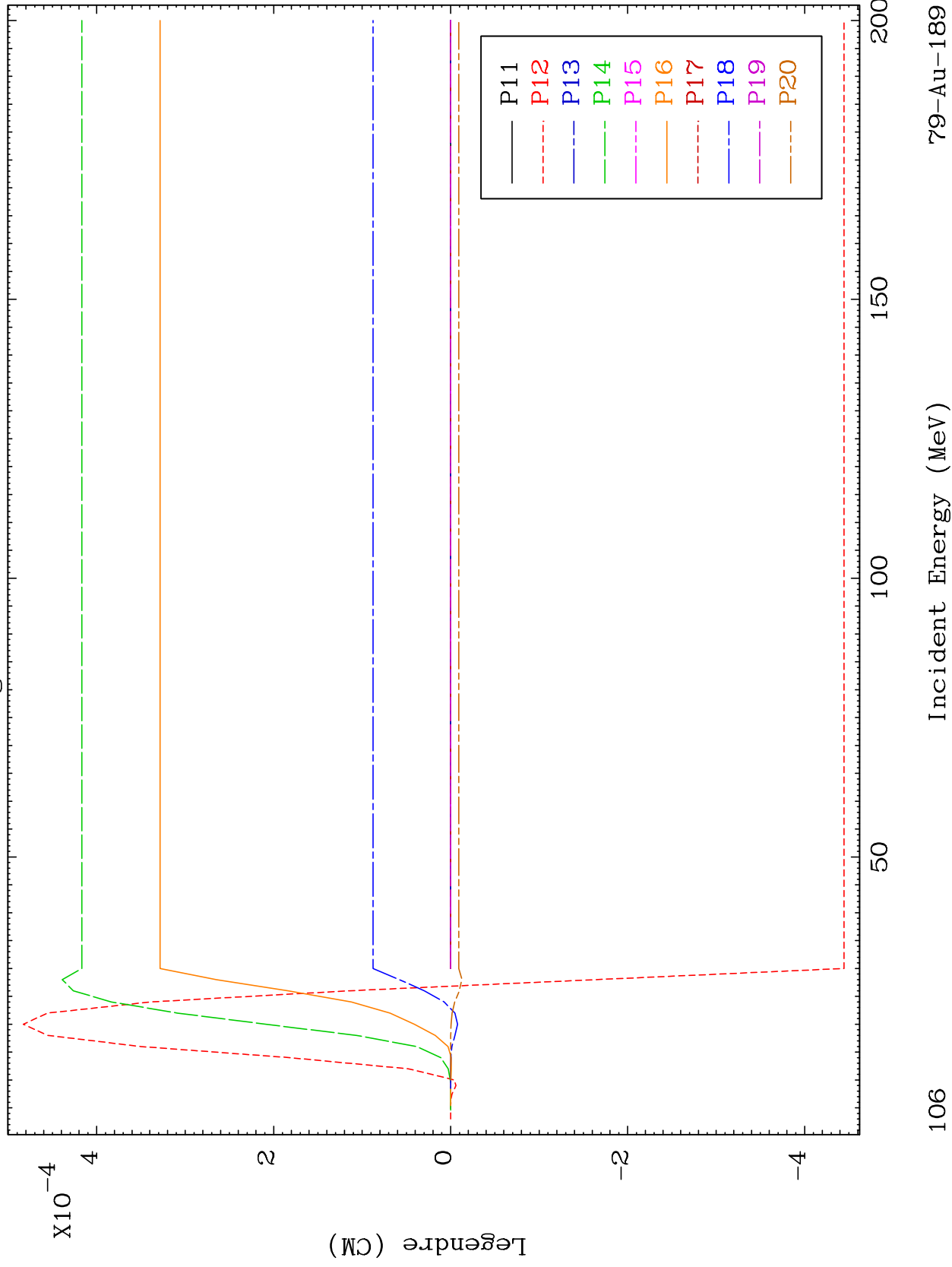




MAT 7901

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

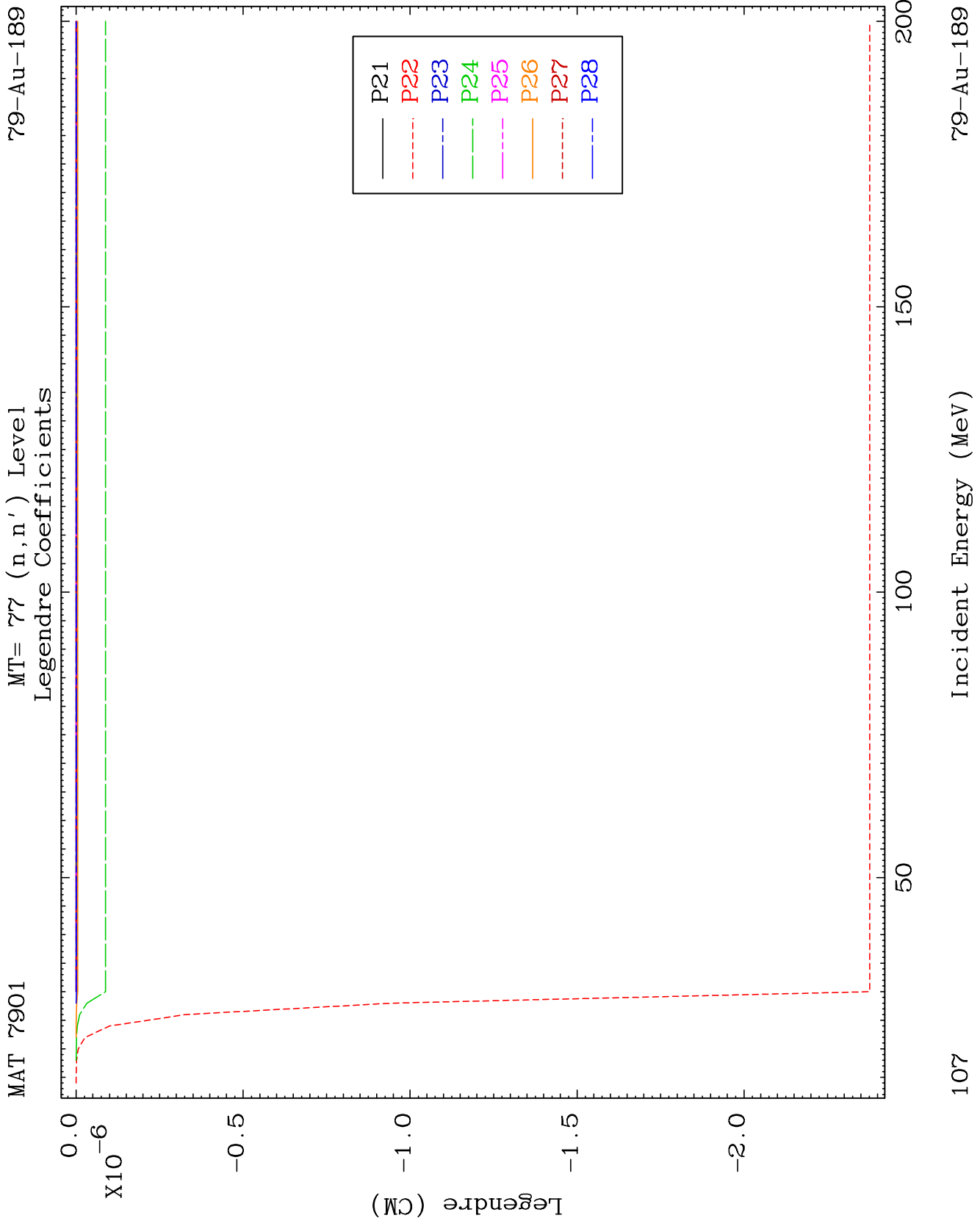
79-Au-189

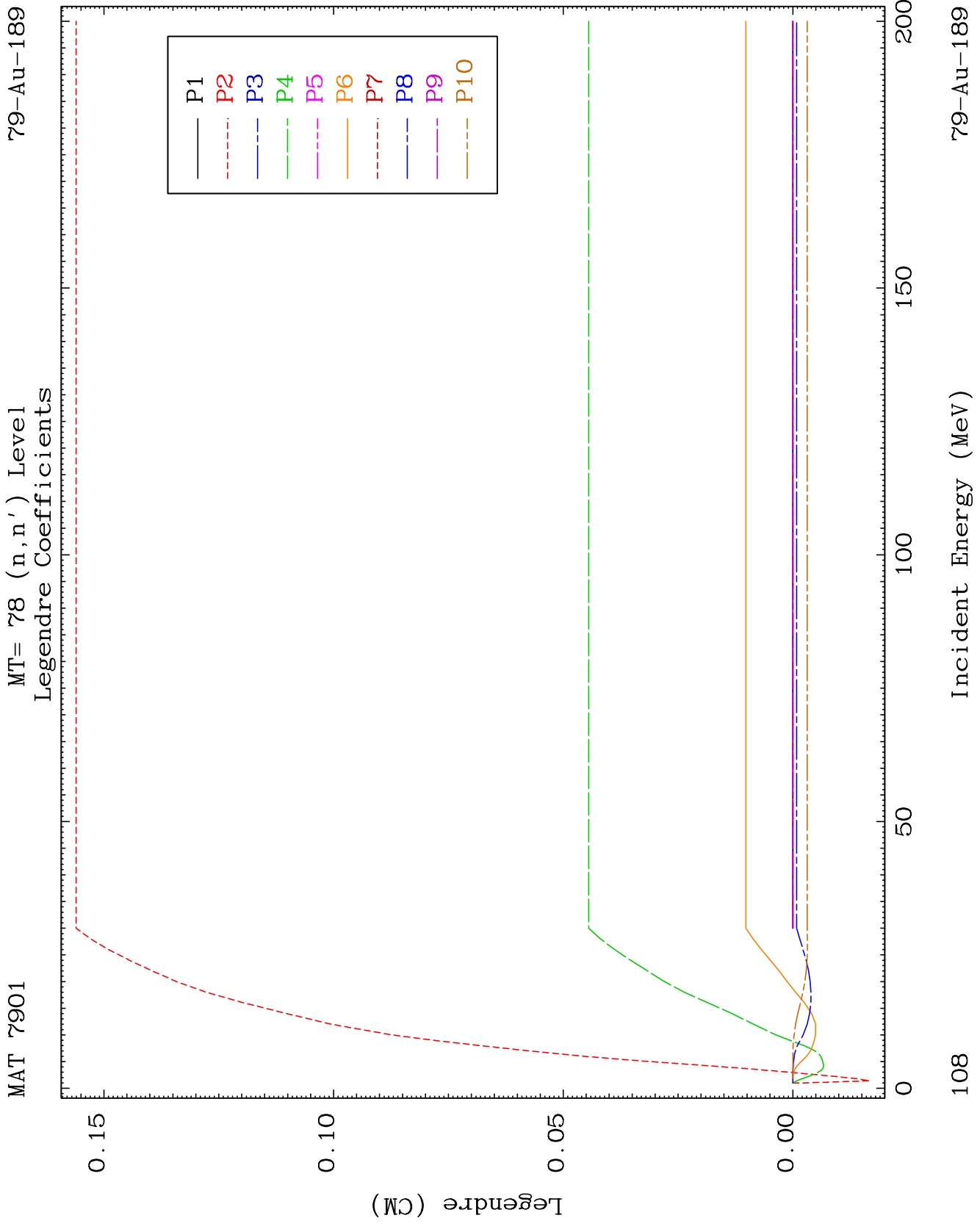


106

Incident Energy (MeV)

79-Au-189

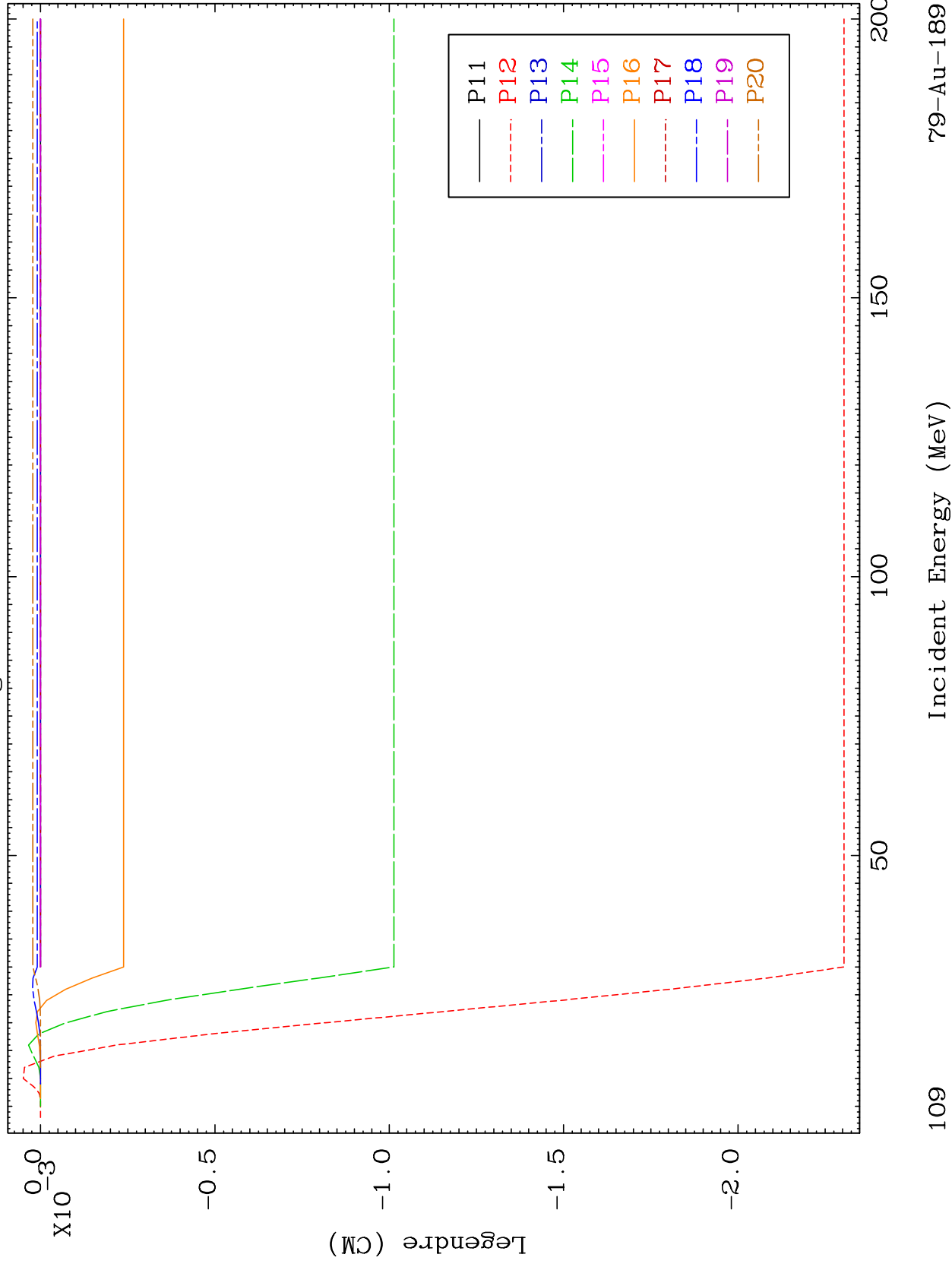




MAT 7901

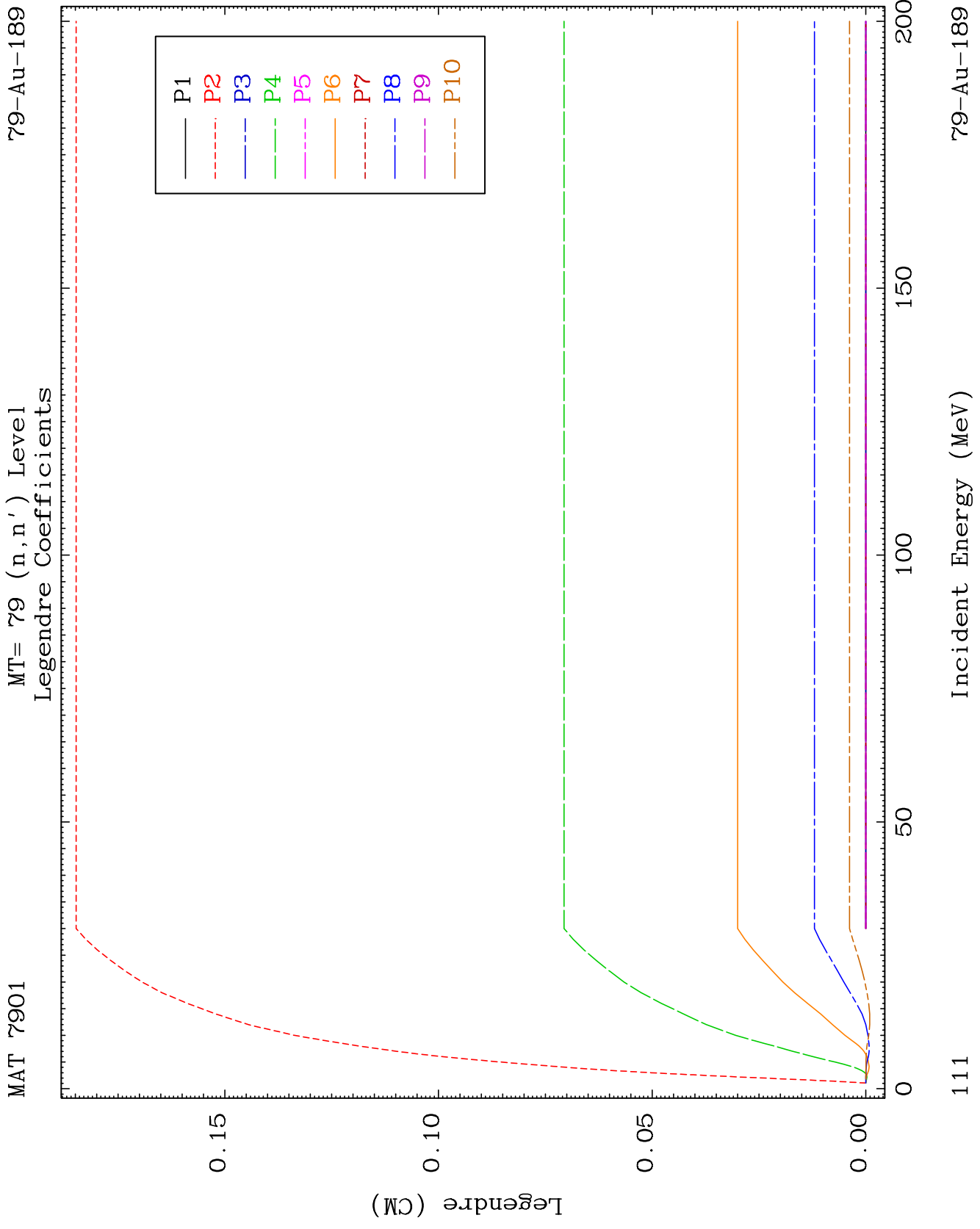
79-Au-189

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



109

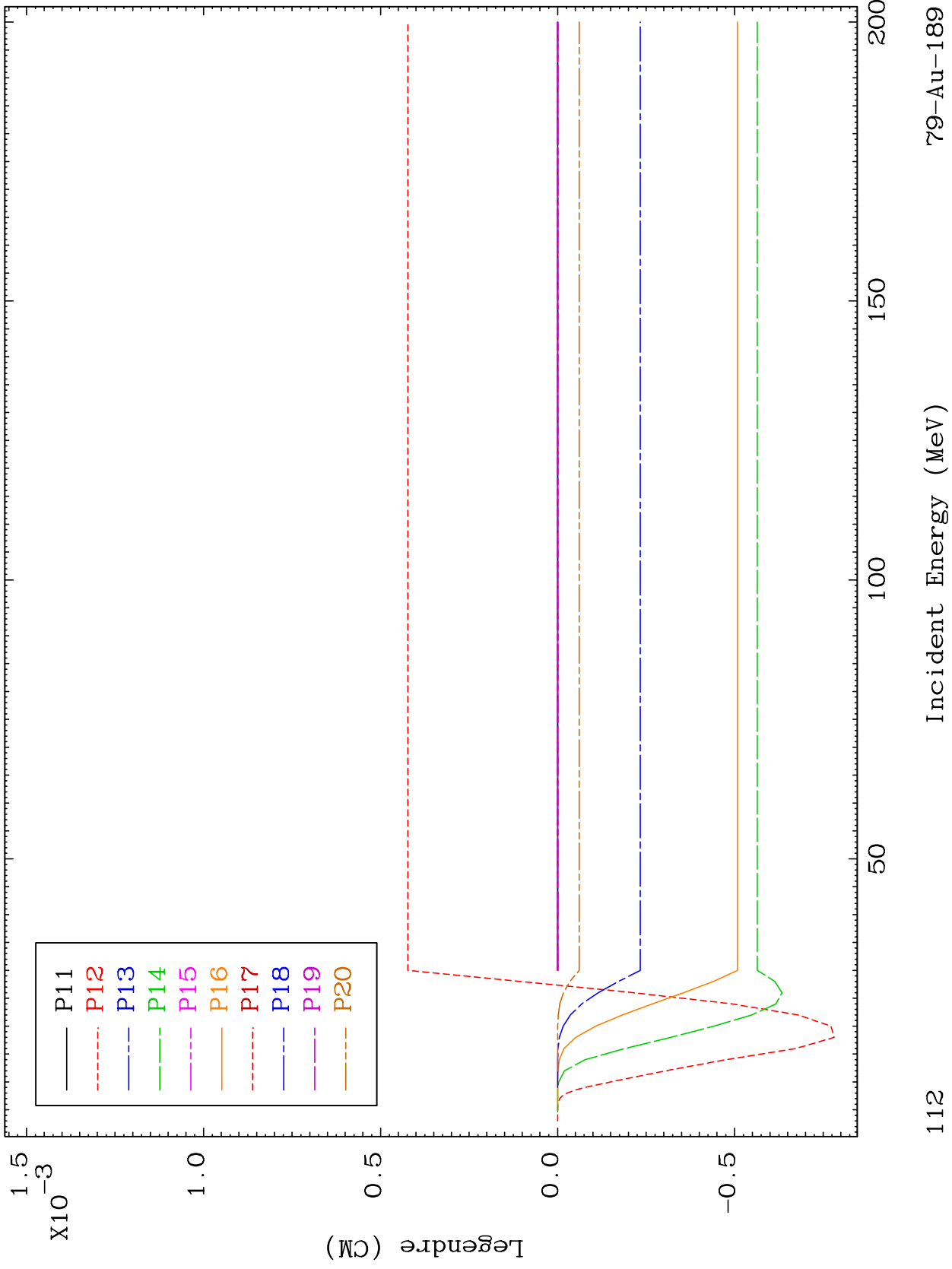
79-Au-189



MAT 7901

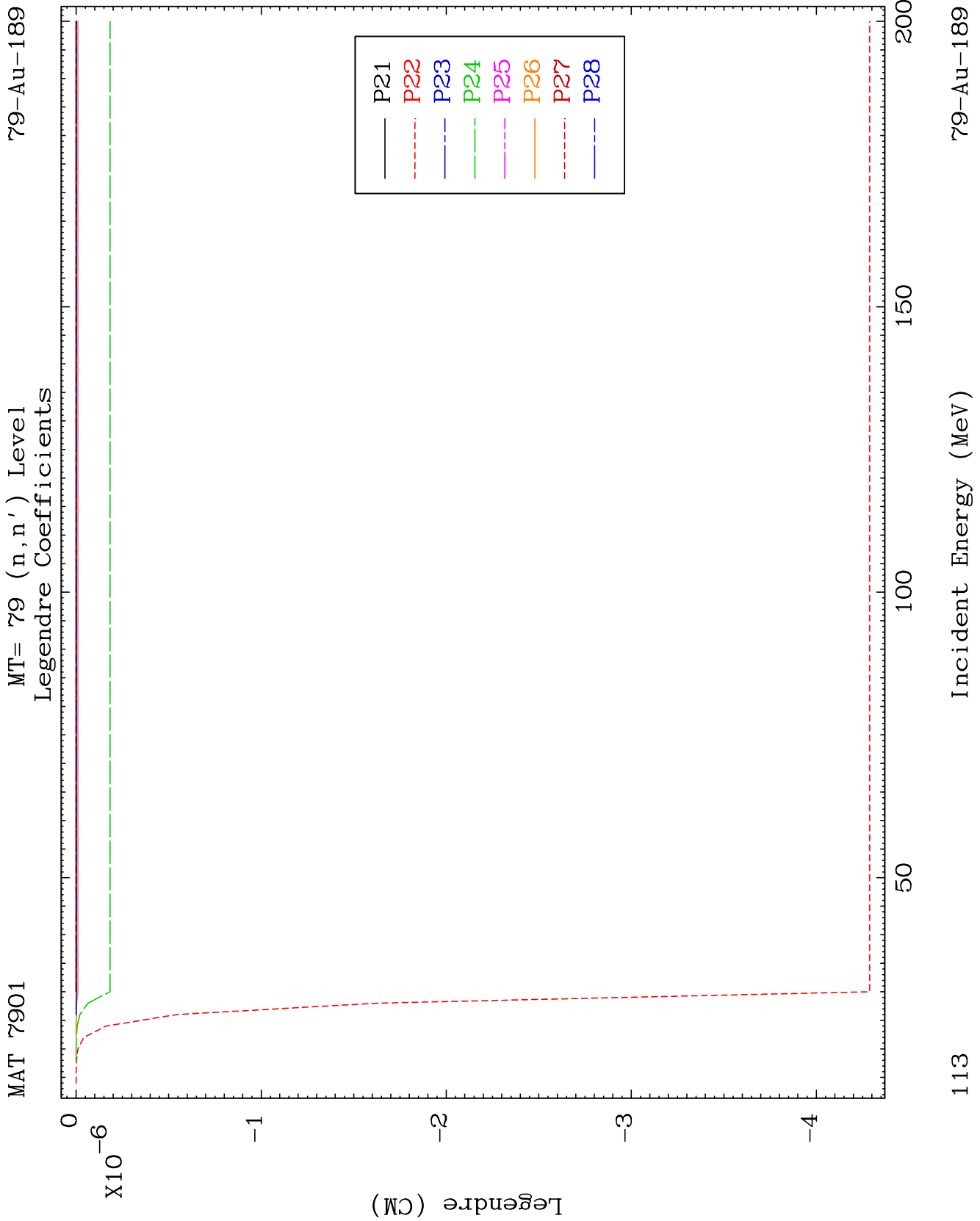
MT= 79 (n,n') Level
Legendre Coefficients

79-Au-189



112

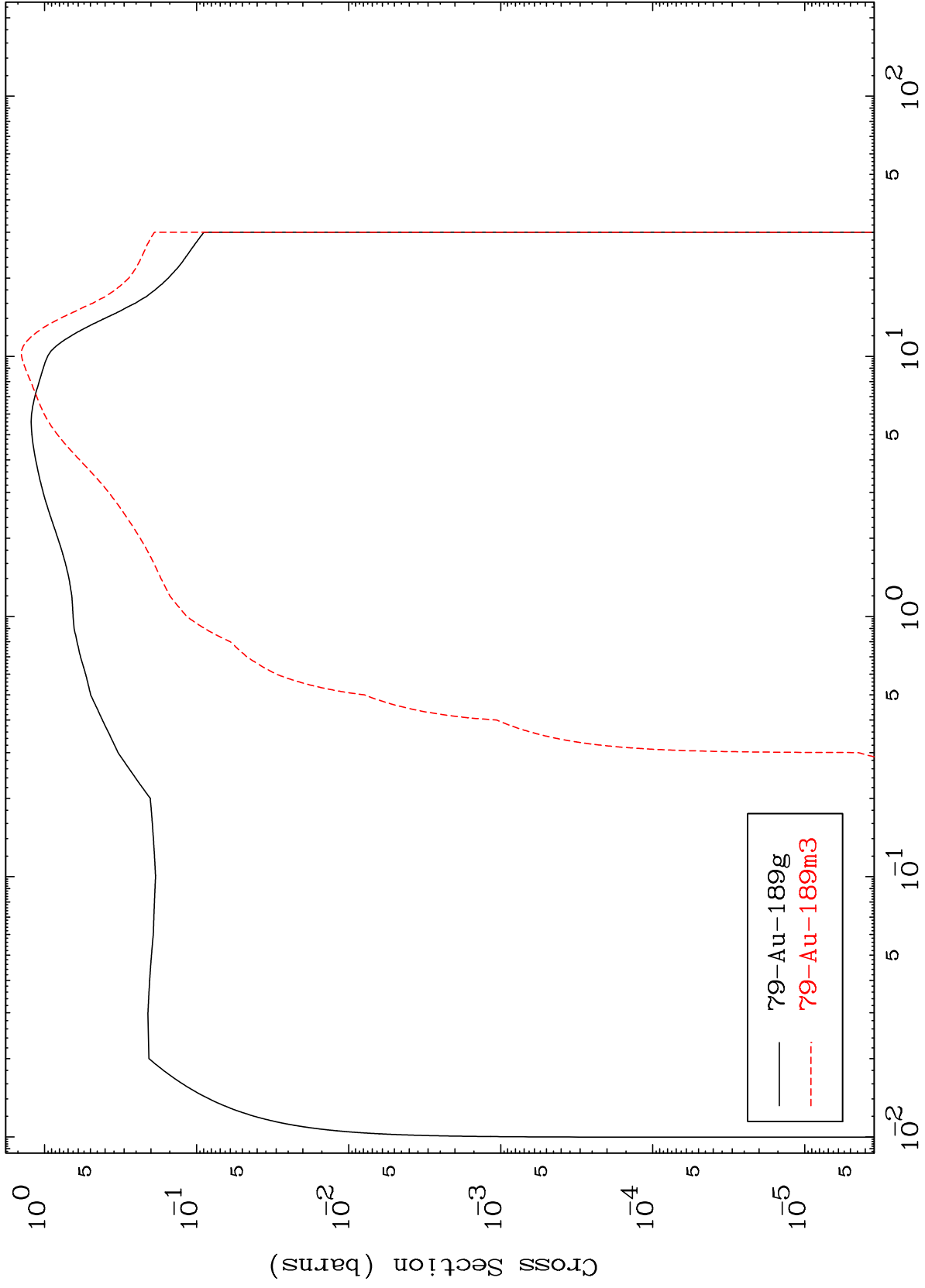
79-Au-189



MAT 7901

79-Au-189

Inelastic
Radionuclide Production Cross Section



79-Au-189

Incident Energy (MeV)

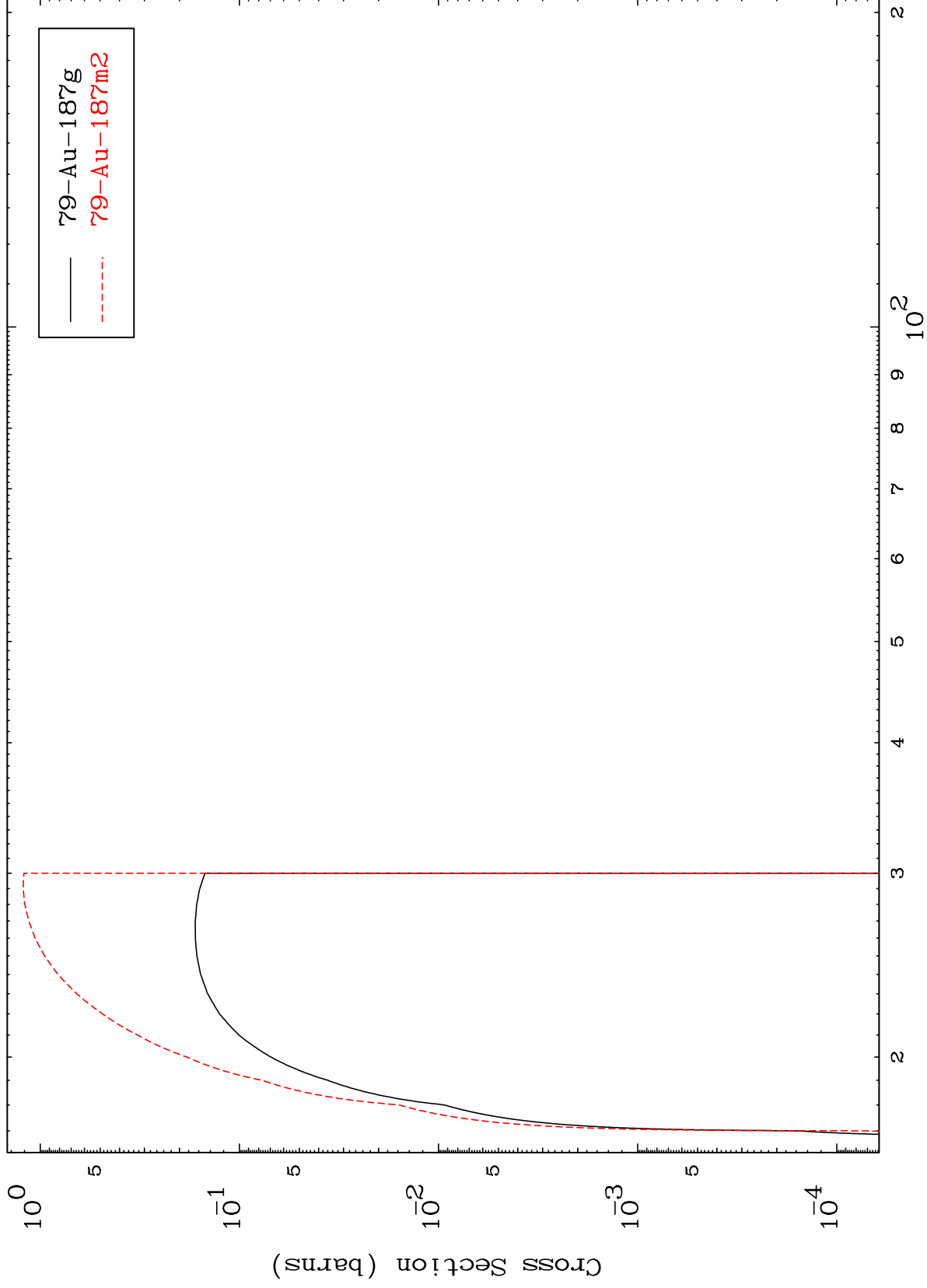
114

MAT 7901

(n,3n)

79-Au-189

Radionuclide Production Cross Section



115

Incident Energy (MeV)

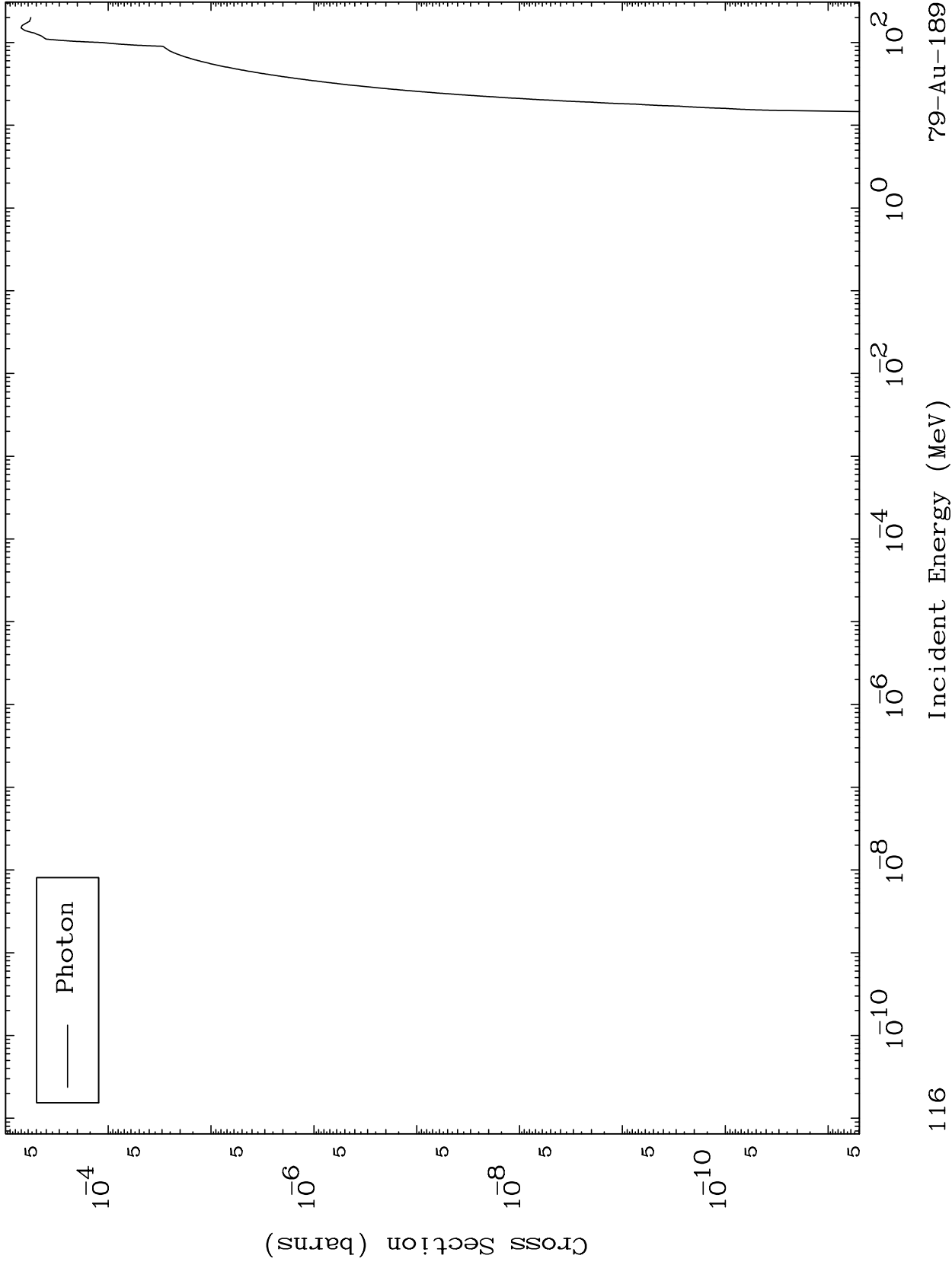
79-Au-189

MAT 7901

Fission

79-Au-189

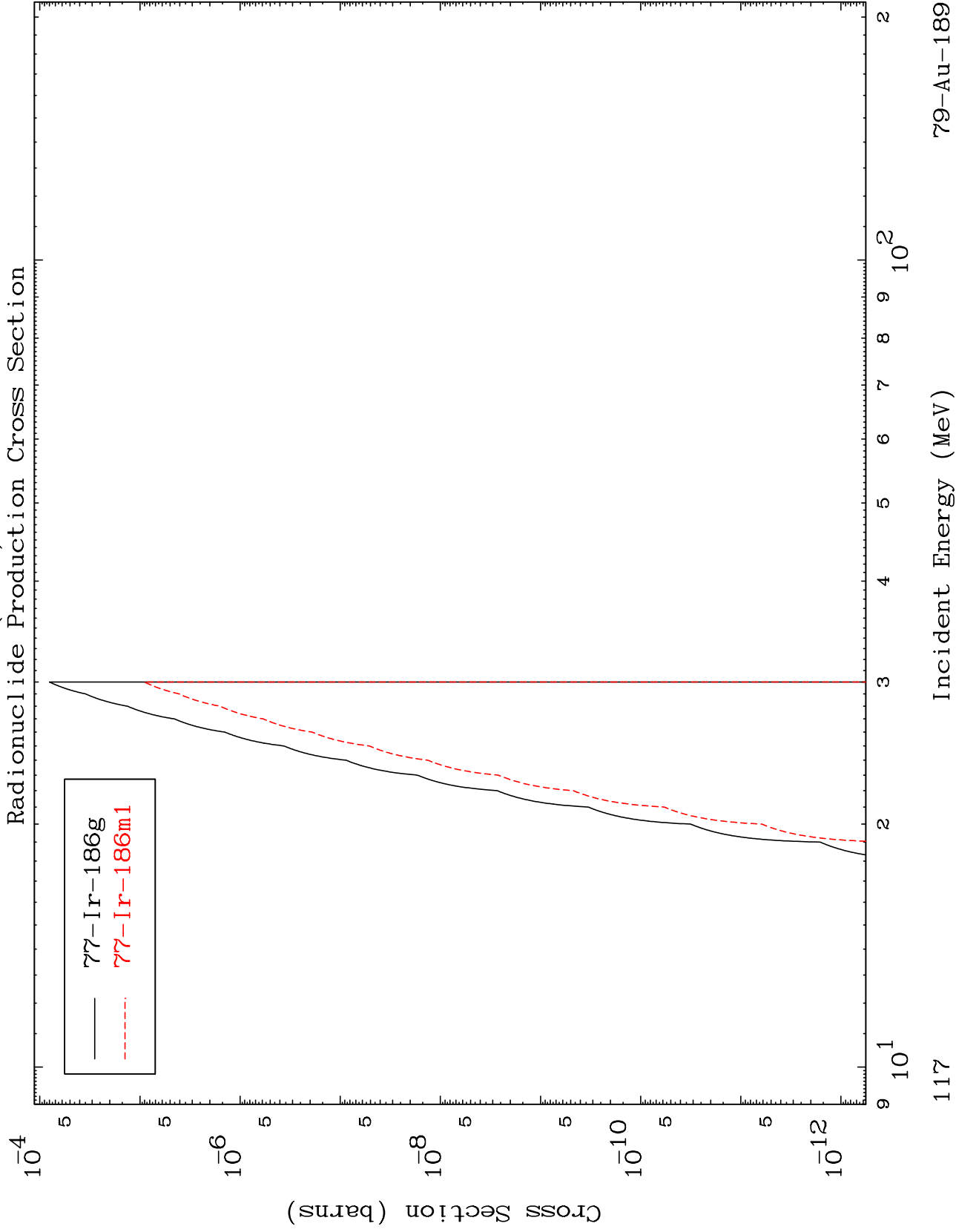
Radionuclide Production Cross Section



MAT 7901

(n,n') He-3

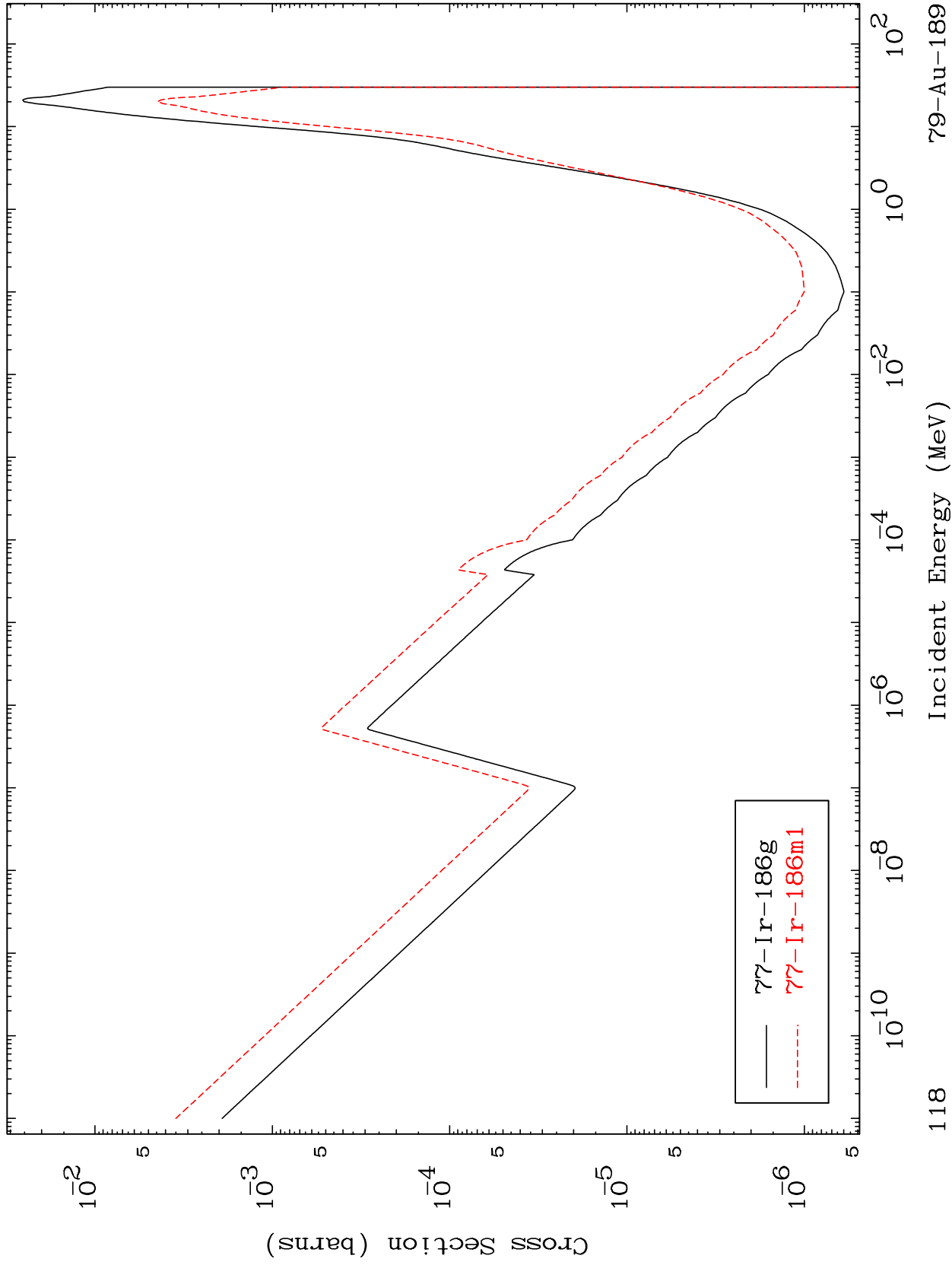
79-Au-189



MAT 7901

79-Au-189

Radionuclide Production Cross Section
(n, α)

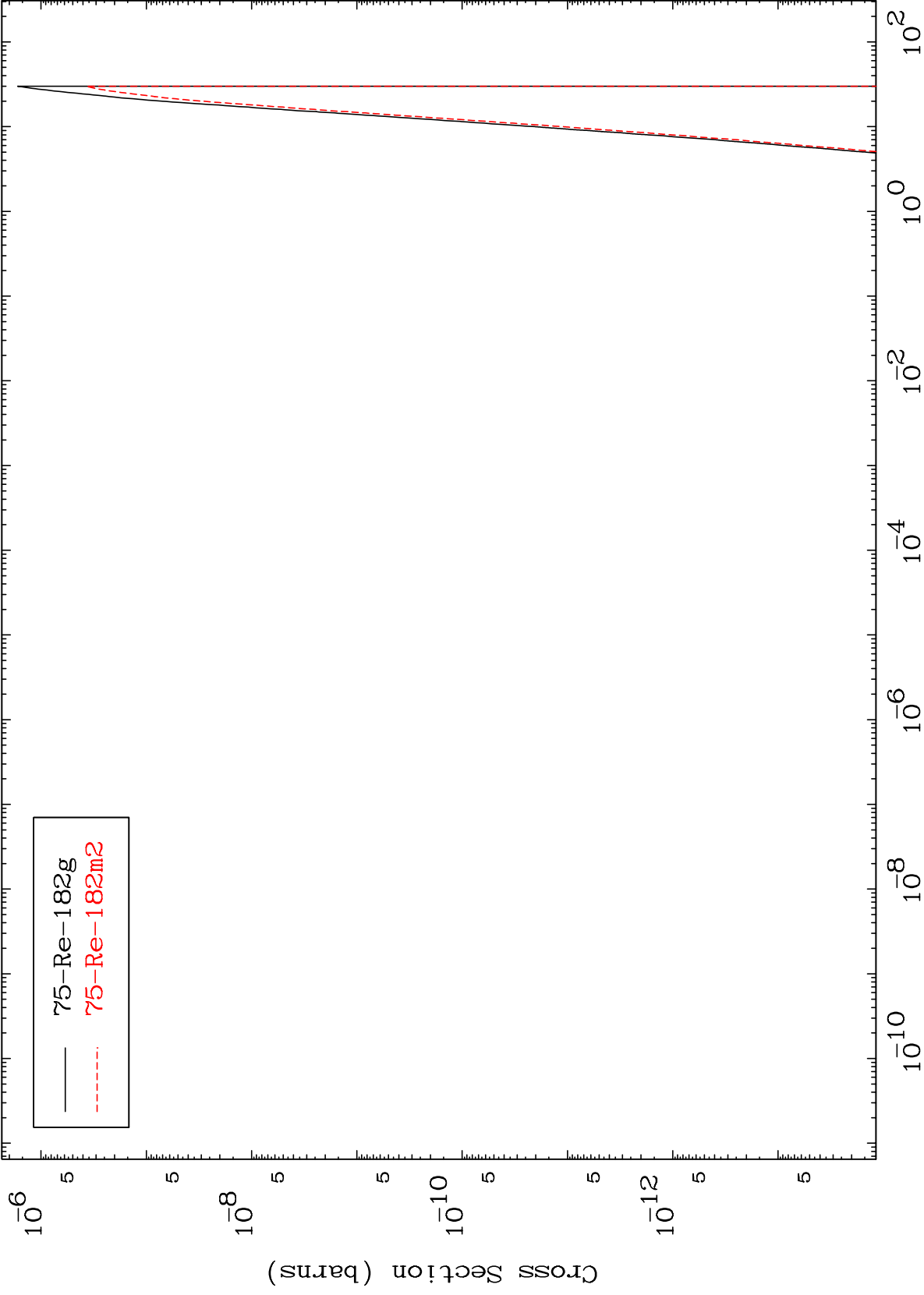


MAT 7901

(n,2α)

79-Au-189

Radionuclide Production Cross Section



75-Re-182g
75-Re-182m2

119

Incident Energy (MeV)

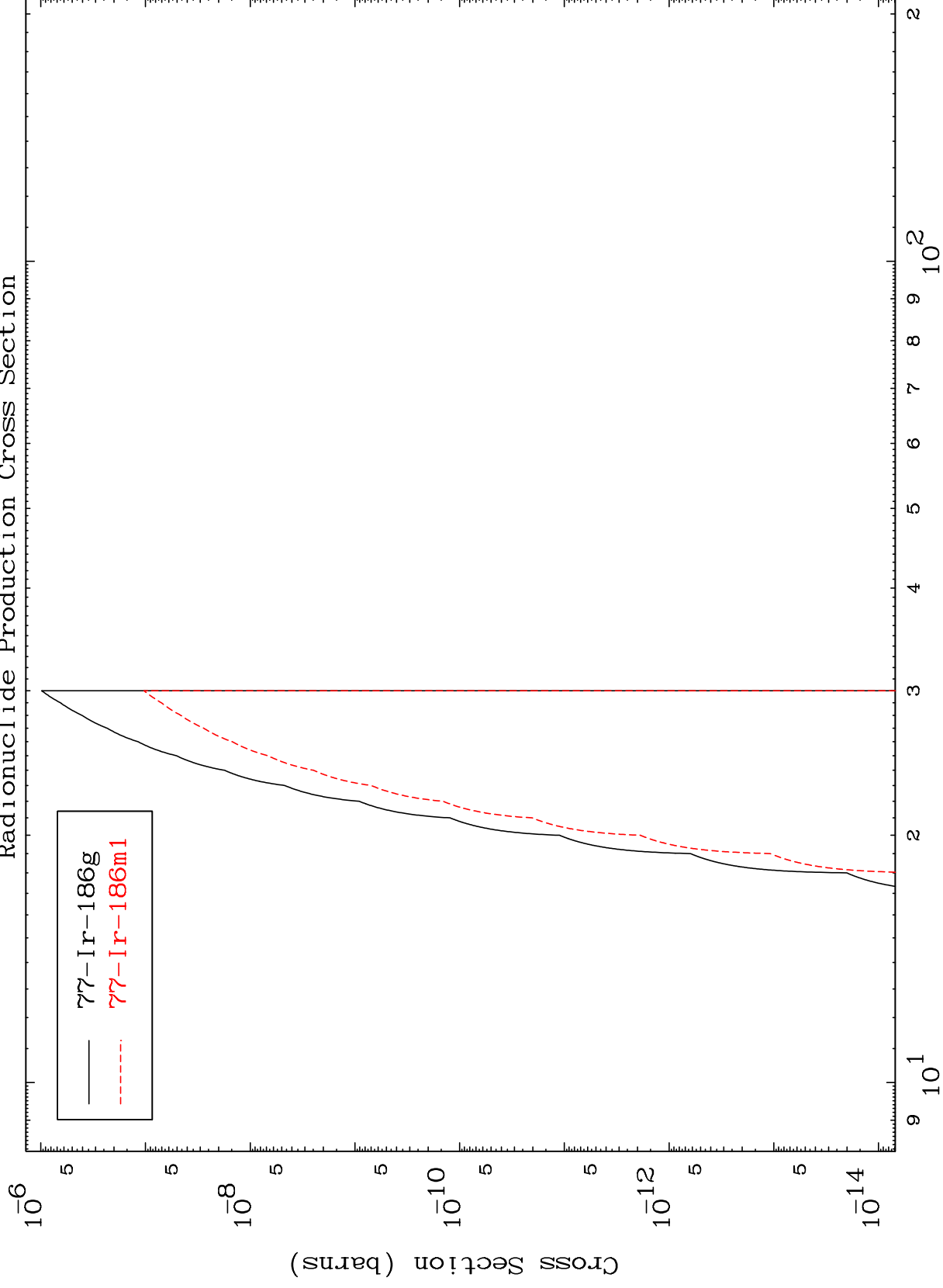
79-Au-189

MAT 7901

(n,p) t

79-Au-189

Radionuclide Production Cross Section



120

Incident Energy (MeV)

79-Au-189