

Program EVALPLOT
(Version 2018-1)

by

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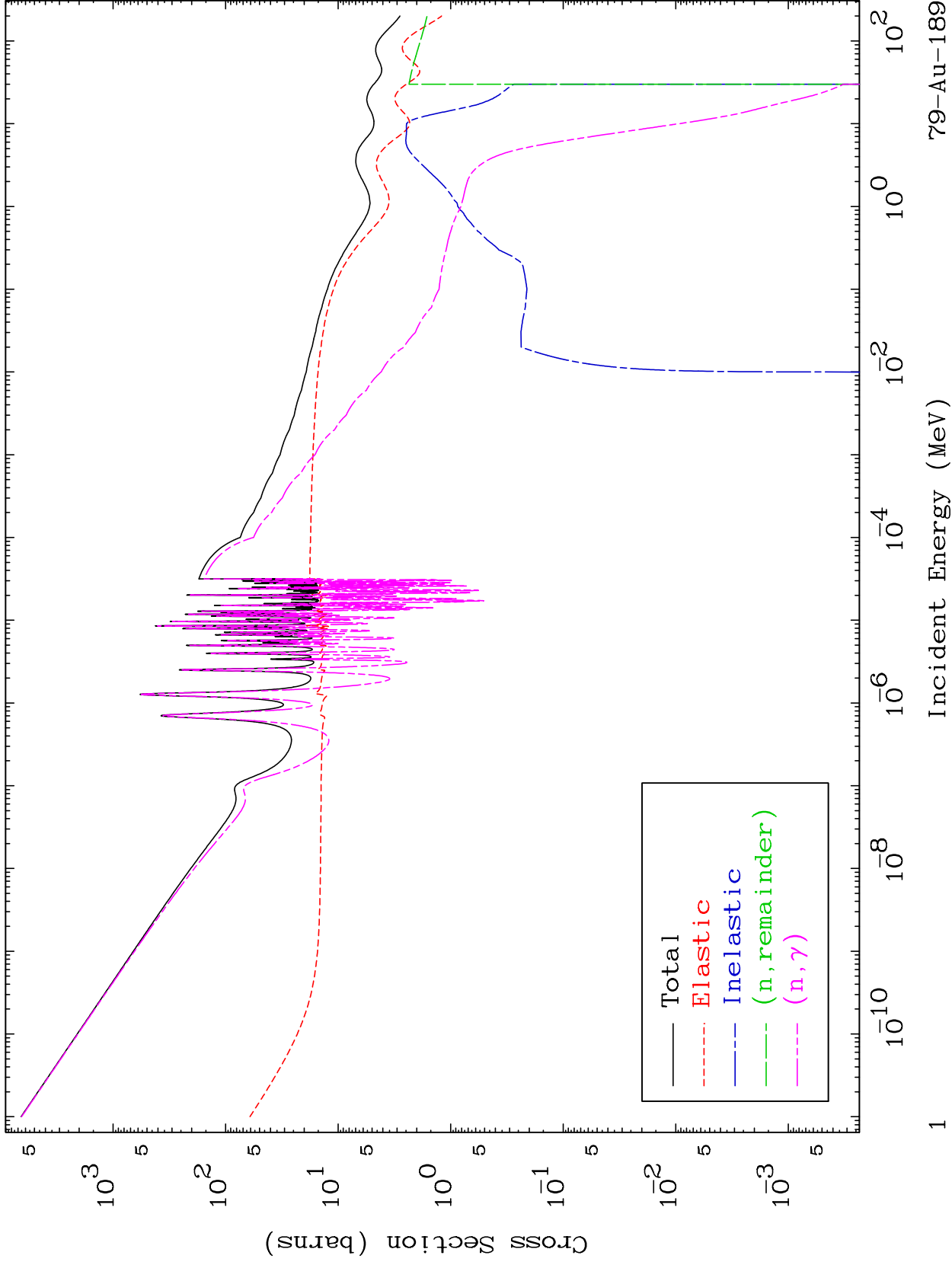
Press Mouse Button to Start

MAT 7901

Major

293 Kelvin Cross Sections

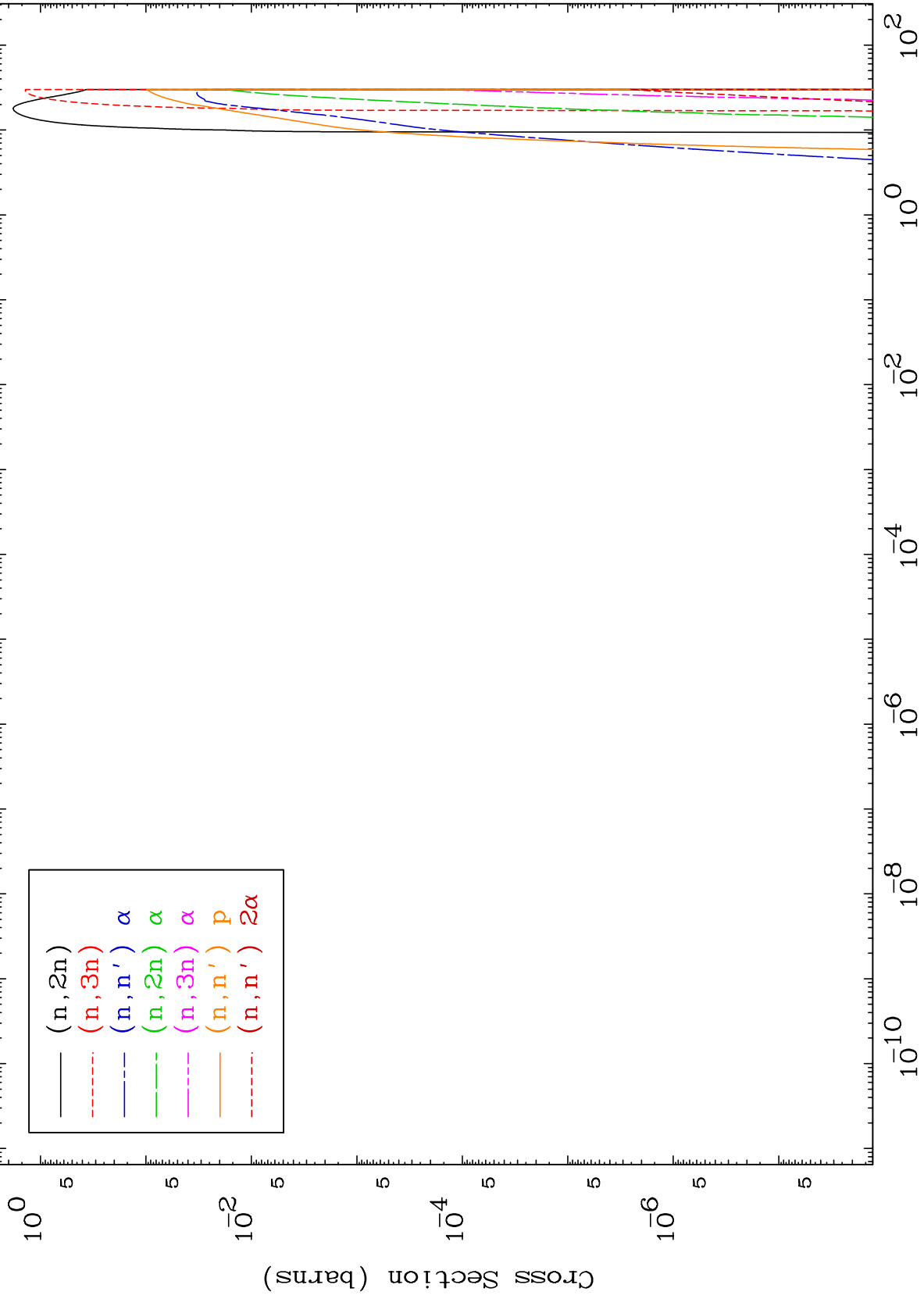
79-Au-189



MAT 7901

Neutron Production
293 Kelvin Cross Sections

79-Au-189



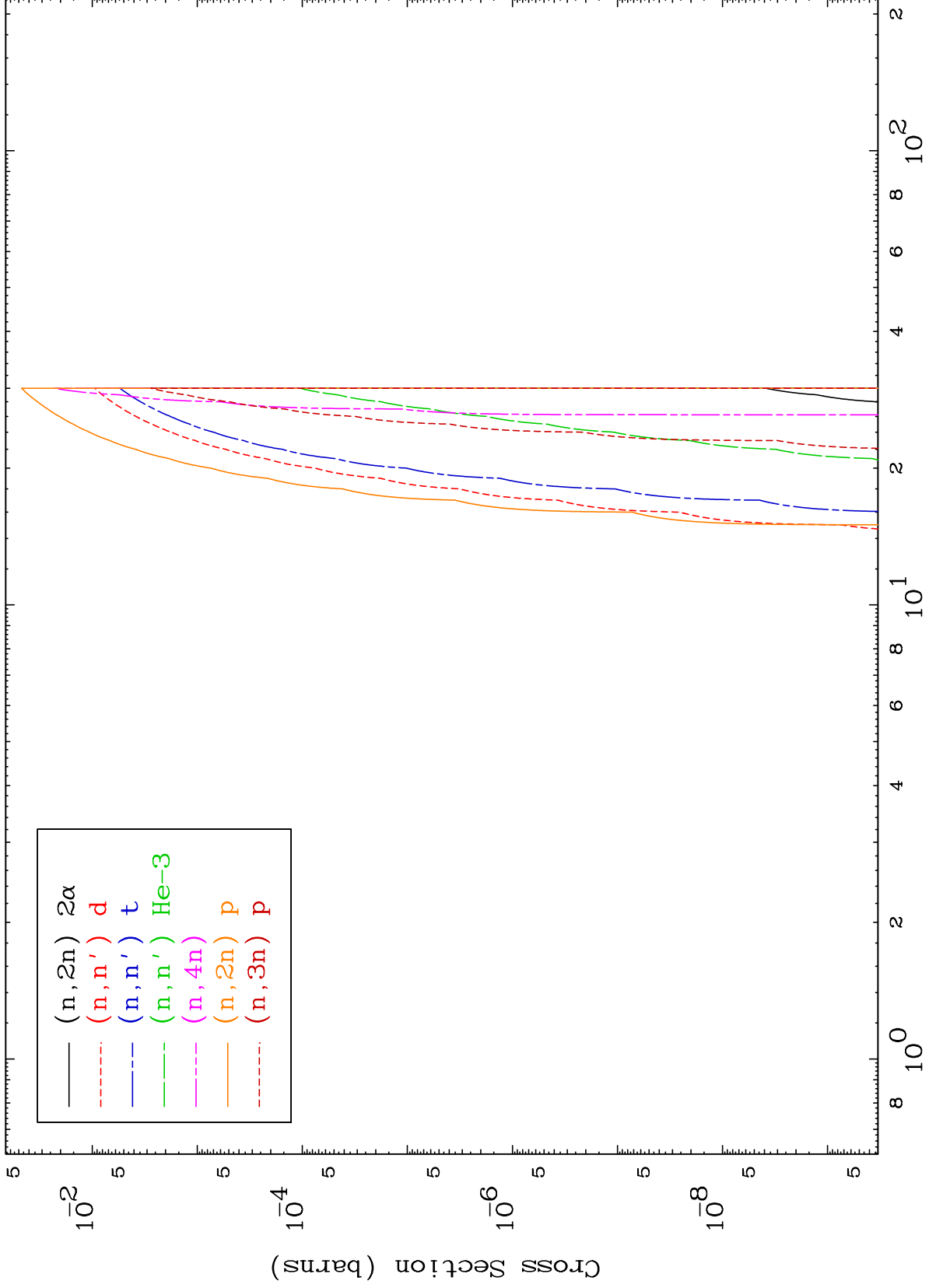
79-Au-189

Incident Energy (MeV)

MAT 7901

Neutron Production
293 Kelvin Cross Sections

79-Au-189



3

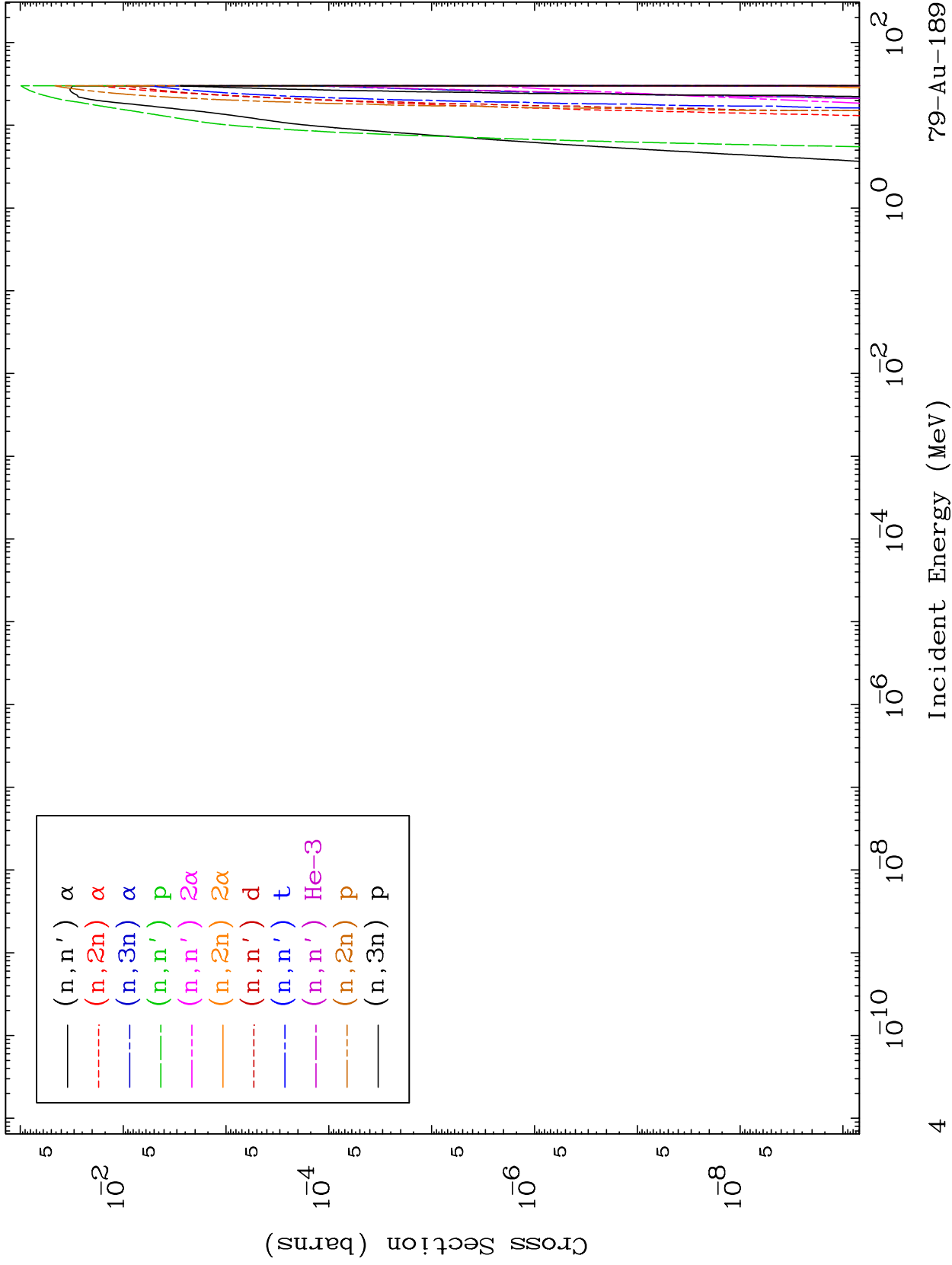
Incident Energy (MeV)

79-Au-189

MAT 7901

Charged Particle
293 Kelvin Cross Sections

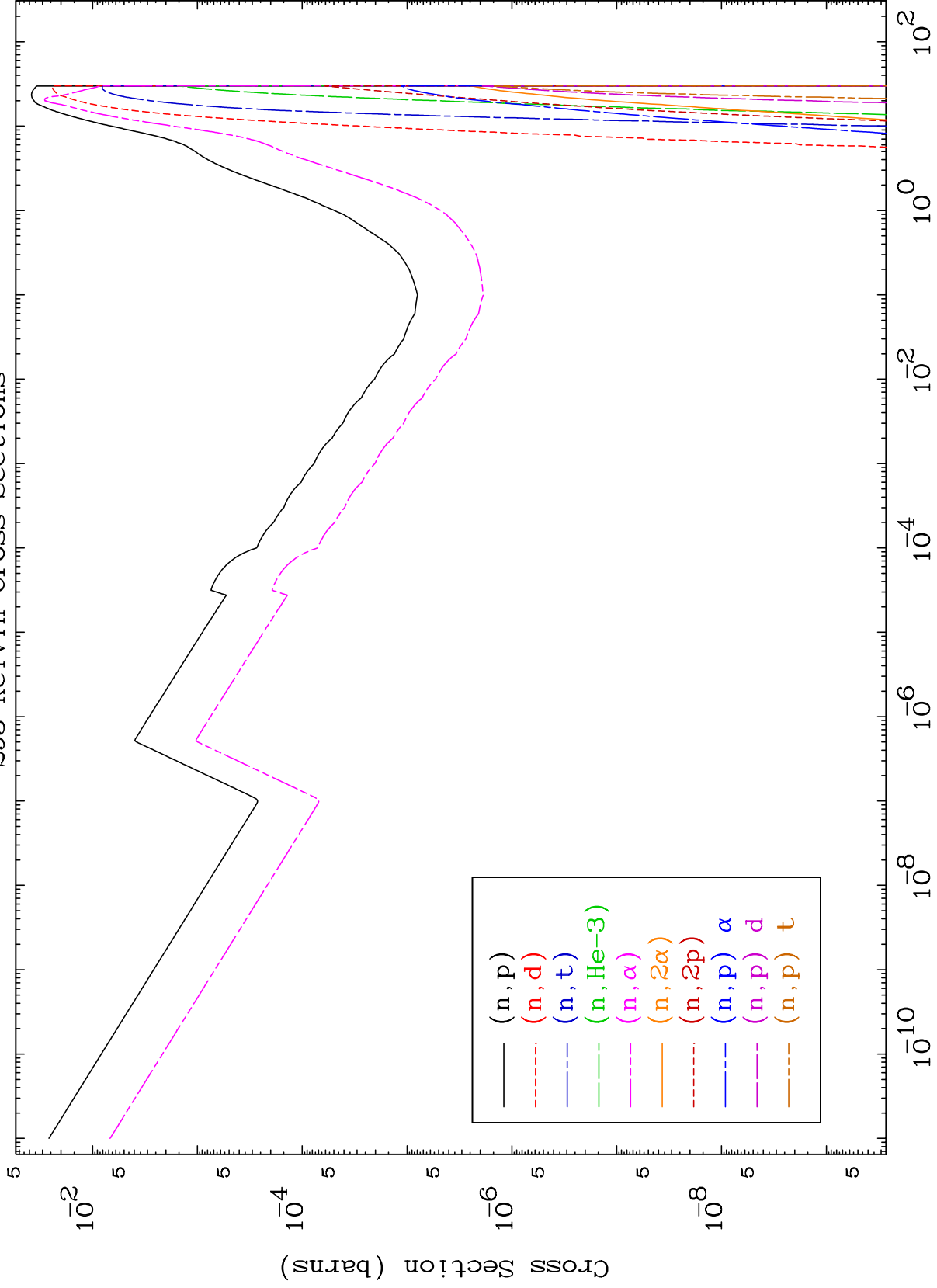
79-Au-189



MAT 7901

Charged Particle
293 Kelvin Cross Sections

79-Au-189



5

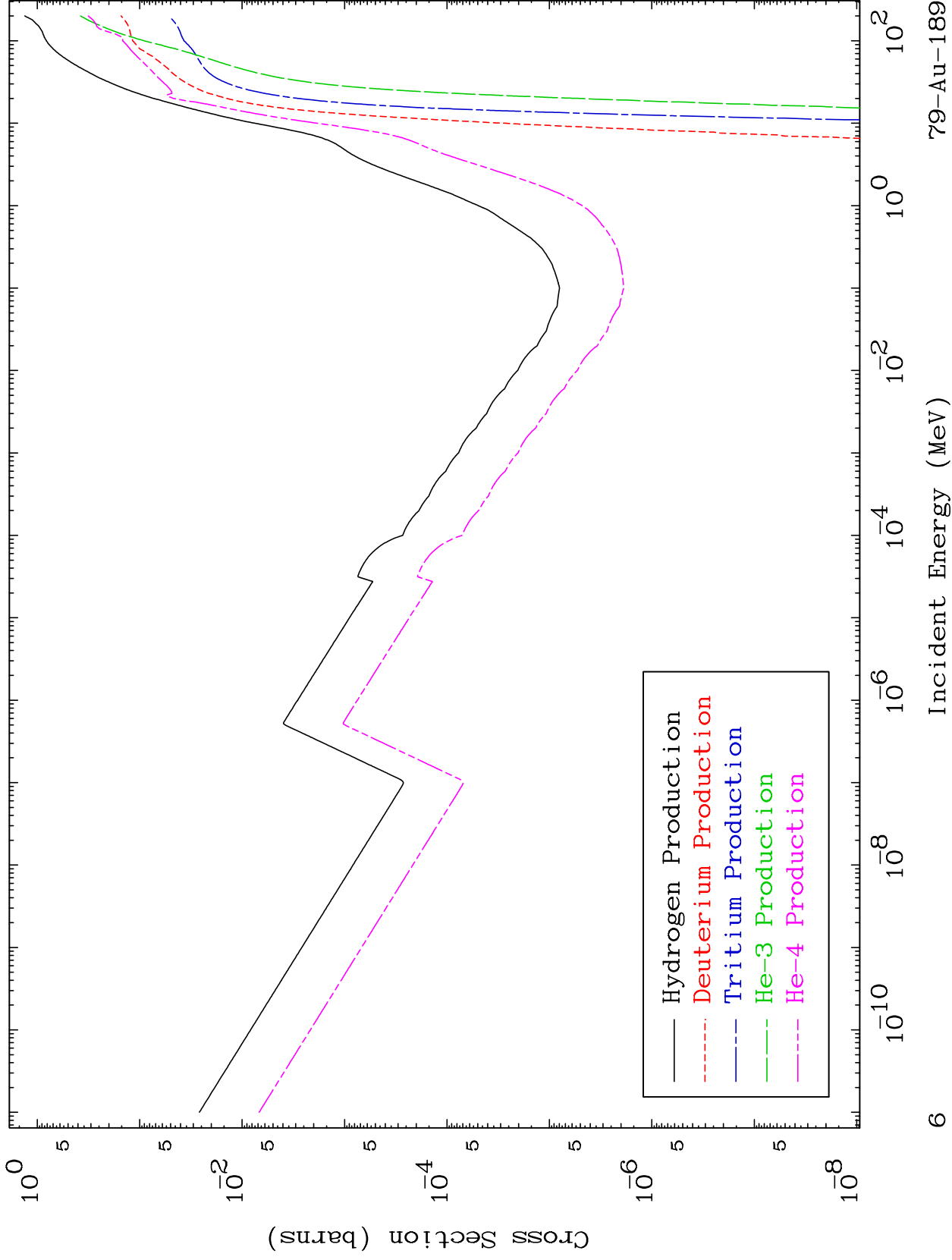
Incident Energy (MeV)

79-Au-189

MAT 7901

Particle Production
293 Kelvin Cross Sections

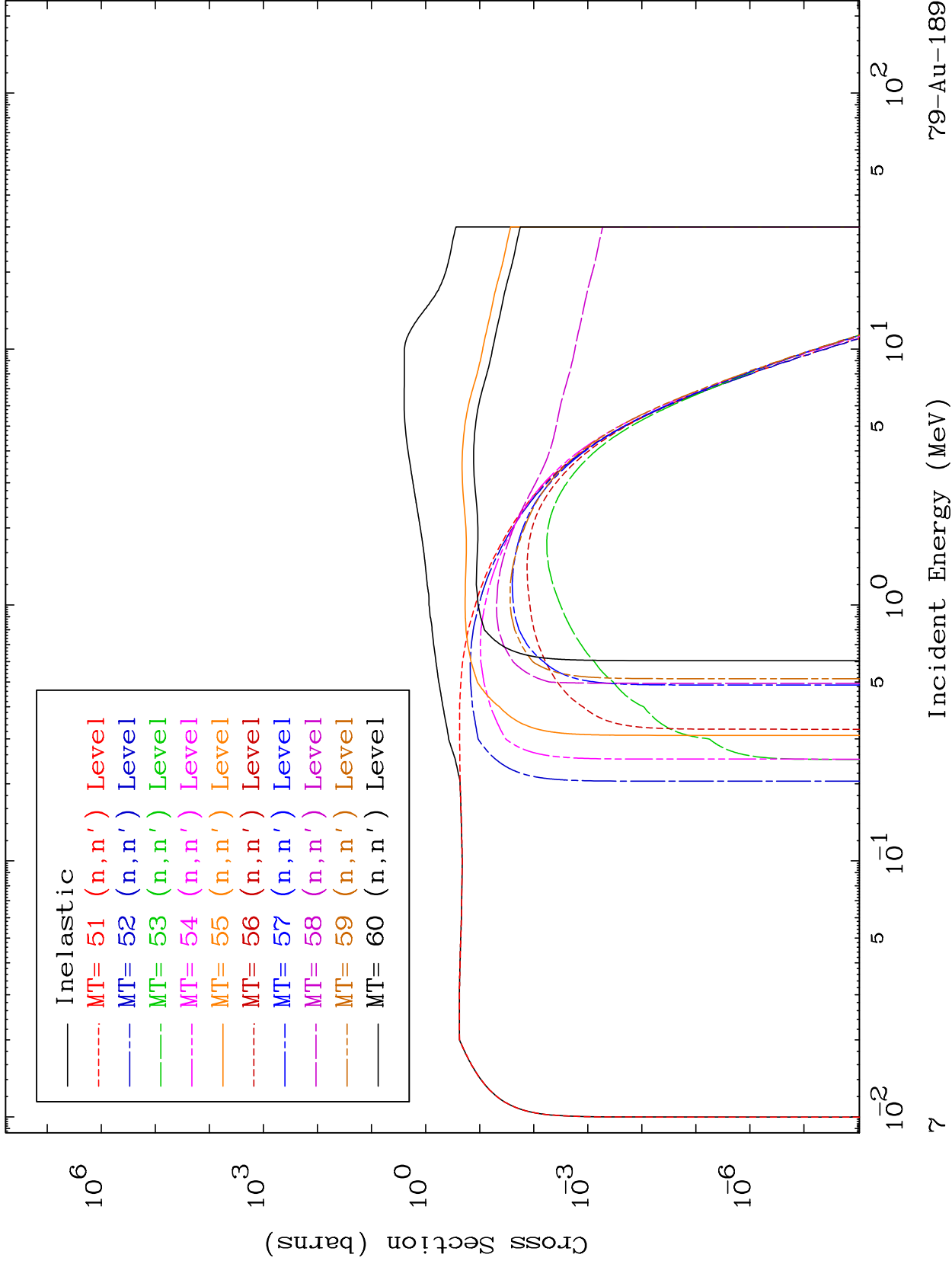
79-Au-189



MAT 7901

(n,n') Level
293 Kelvin Cross Sections

79-Au-189



79-Au-189

Incident Energy (MeV)

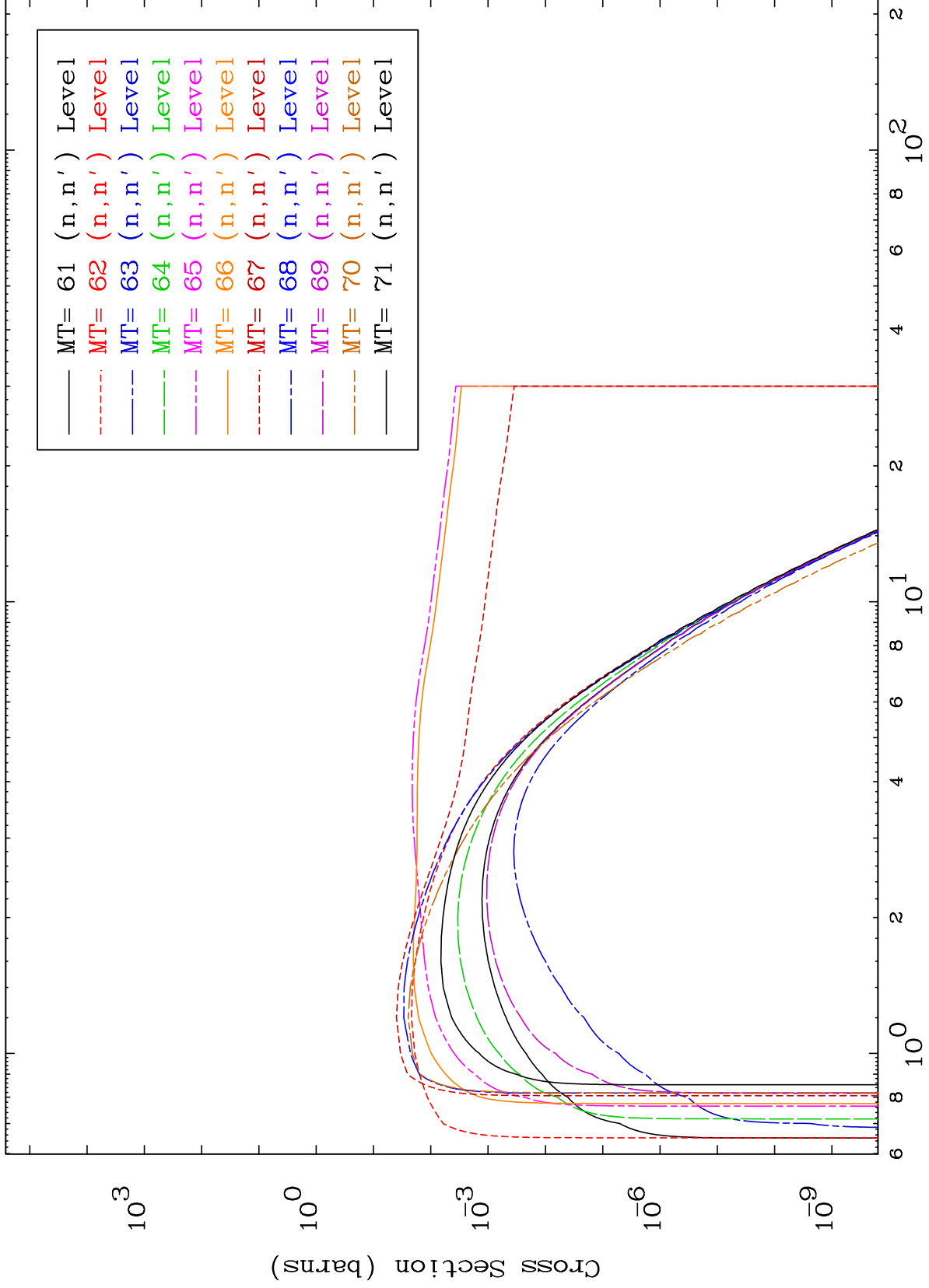
7

MAT 7901

(n,n') Level

79-Au-189

293 Kelvin Cross Sections



Incident Energy (MeV)

79-Au-189

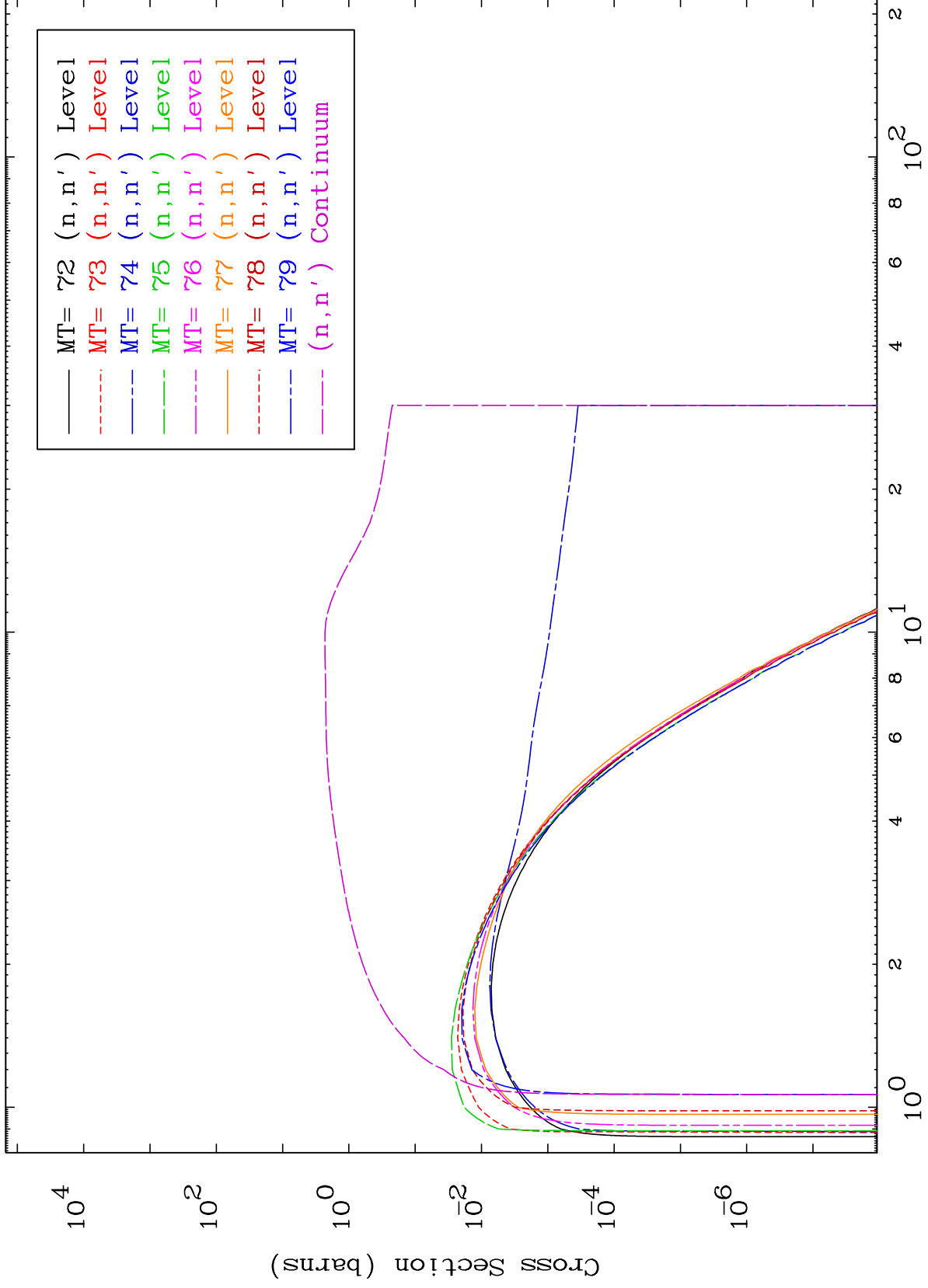
8

MAT 7901

(n,n') Level

79-Au-189

293 Kelvin Cross Sections



9

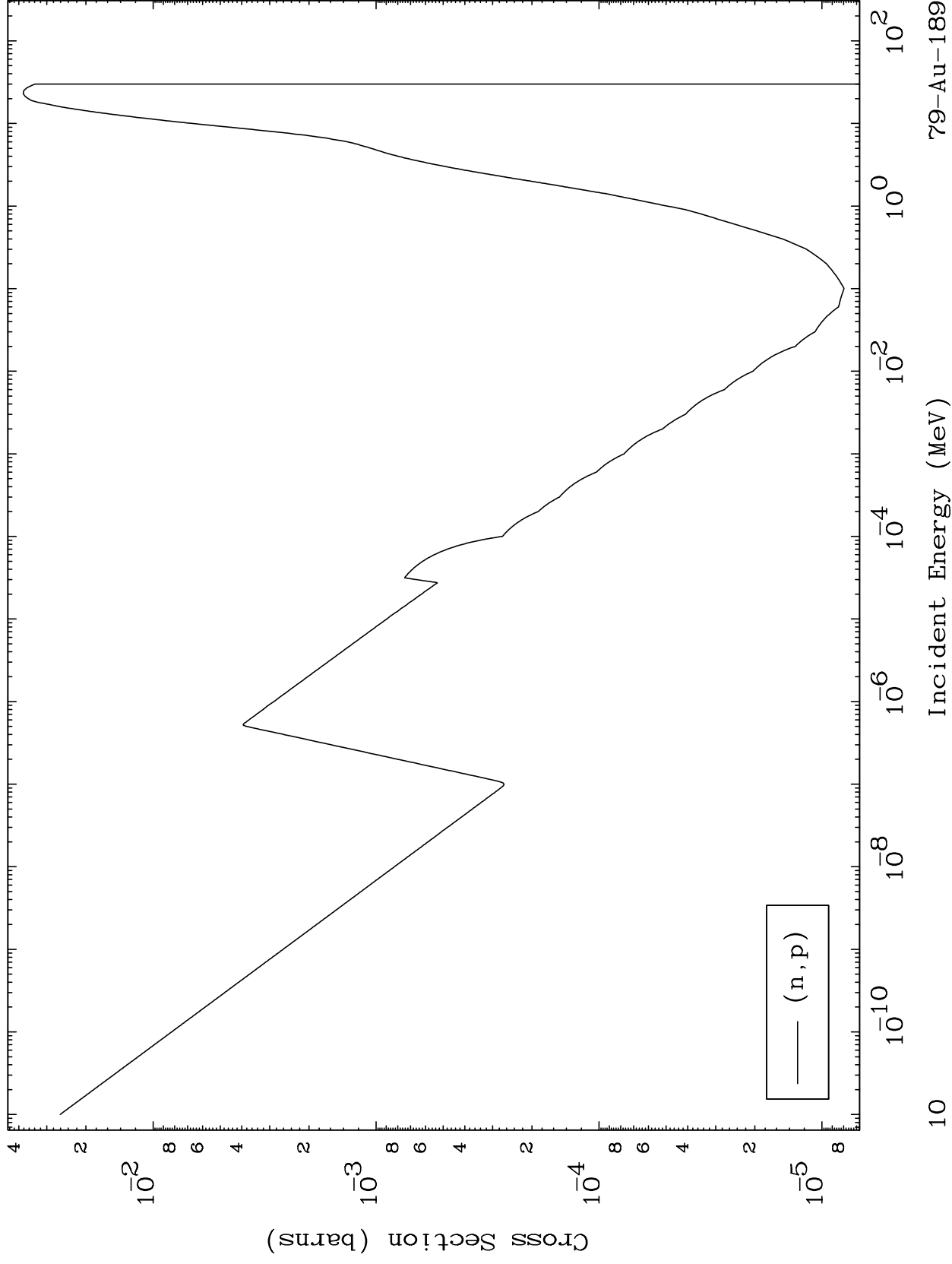
Incident Energy (MeV)

79-Au-189

MAT 7901

(n,p) Levels
293 Kelvin Cross Sections

79-Au-189



79-Au-189

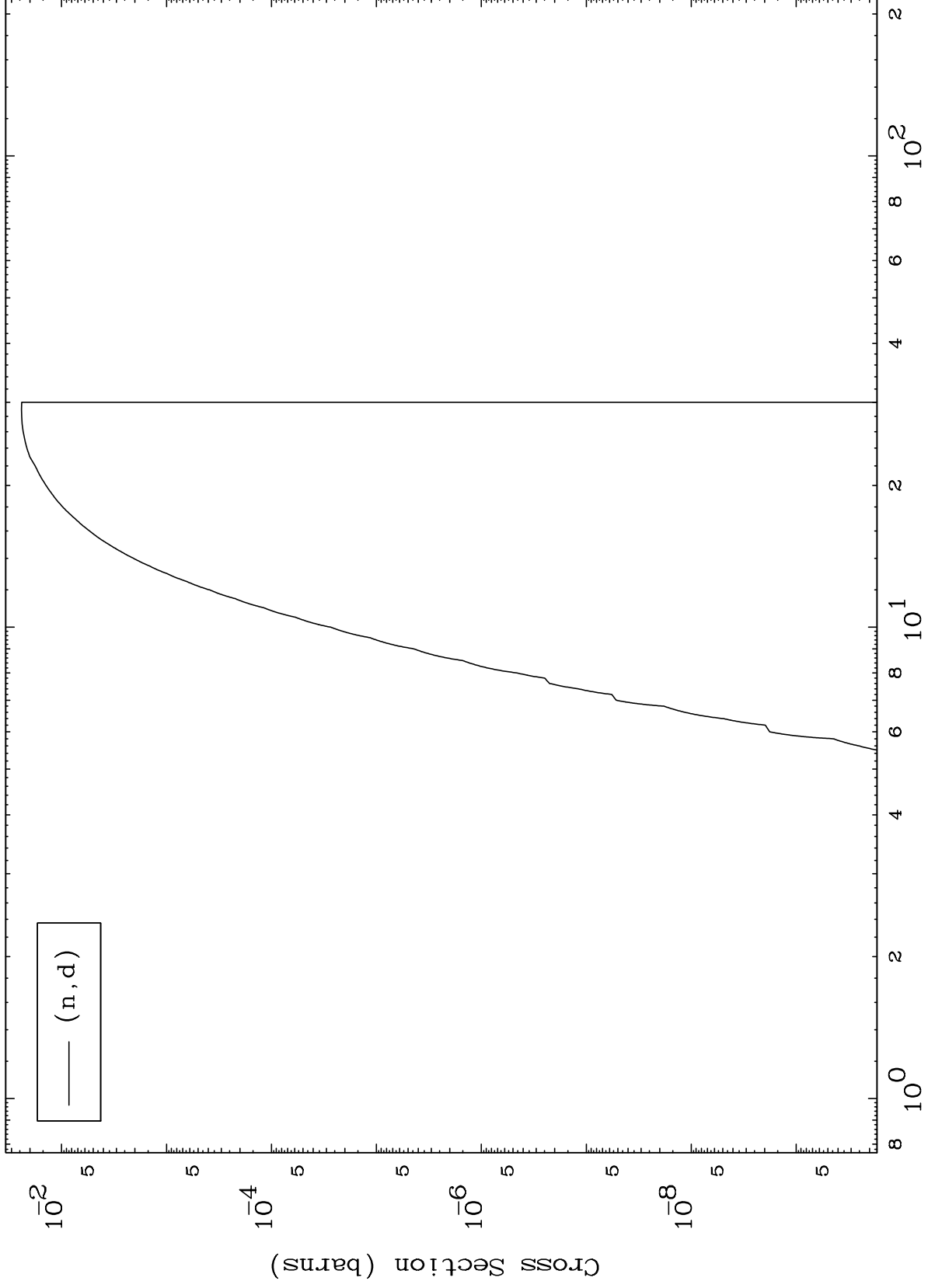
Incident Energy (MeV)

10

MAT 7901

(n,d) Levels
293 Kelvin Cross Sections

79-Au-189



11

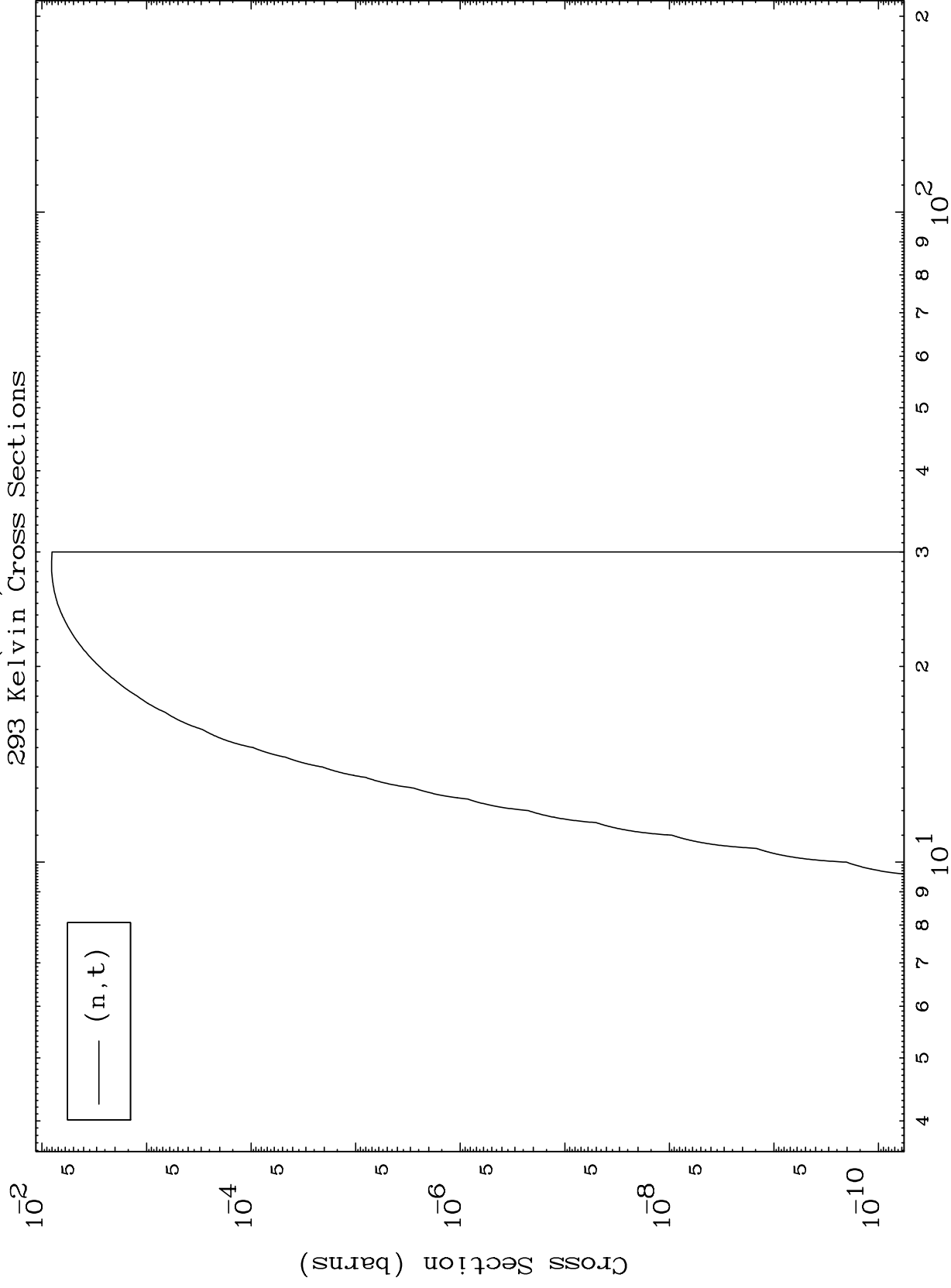
Incident Energy (MeV)

79-Au-189

MAT 7901

79-Au-189

(n,t) Levels
293 Kelvin Cross Sections



79-Au-189

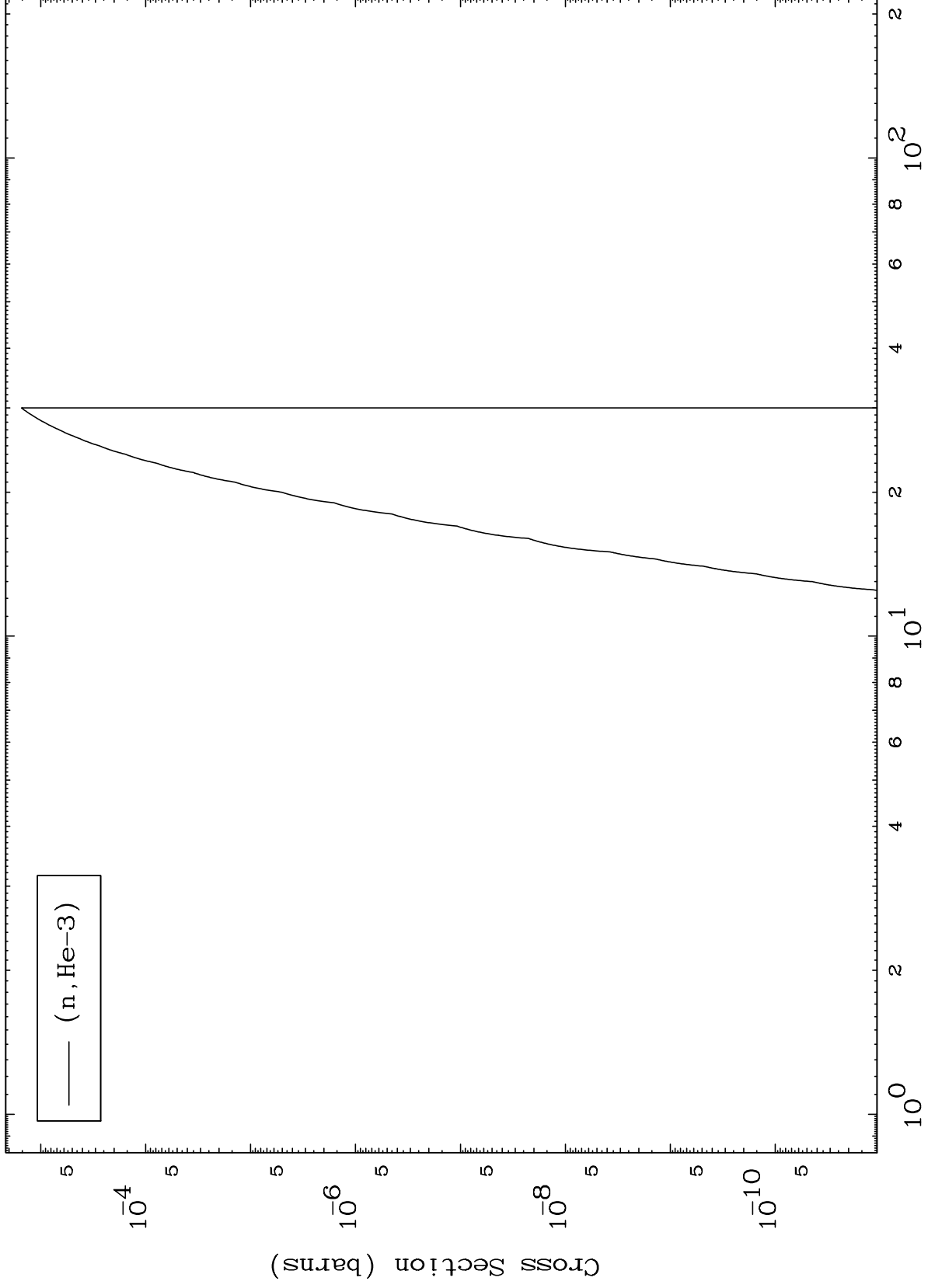
Incident Energy (MeV)

12

MAT 7901

(n,He3) Levels
293 Kelvin Cross Sections

79-Au-189



13

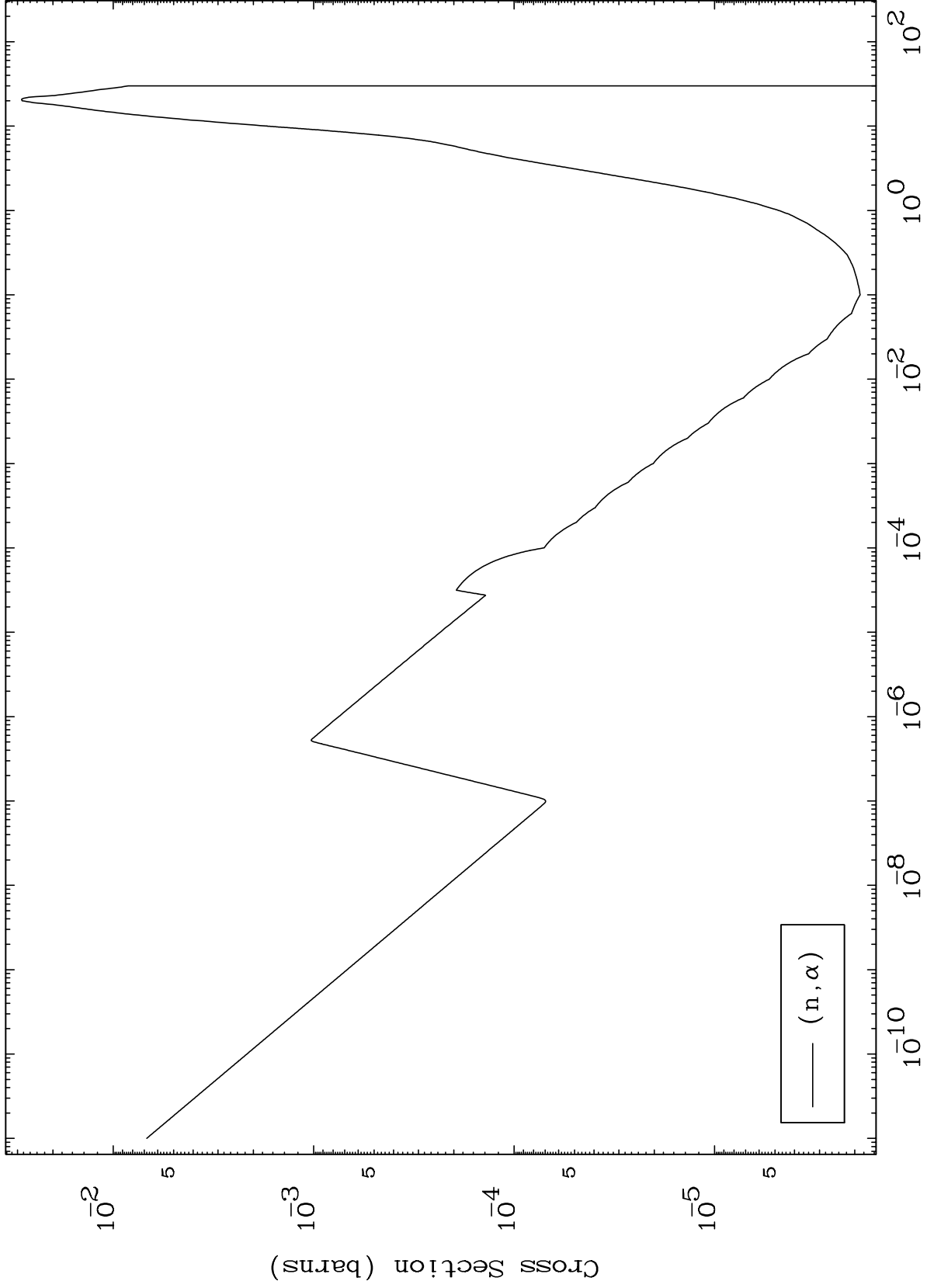
Incident Energy (MeV)

79-Au-189

MAT 7901

(n, α) Levels
293 Kelvin Cross Sections

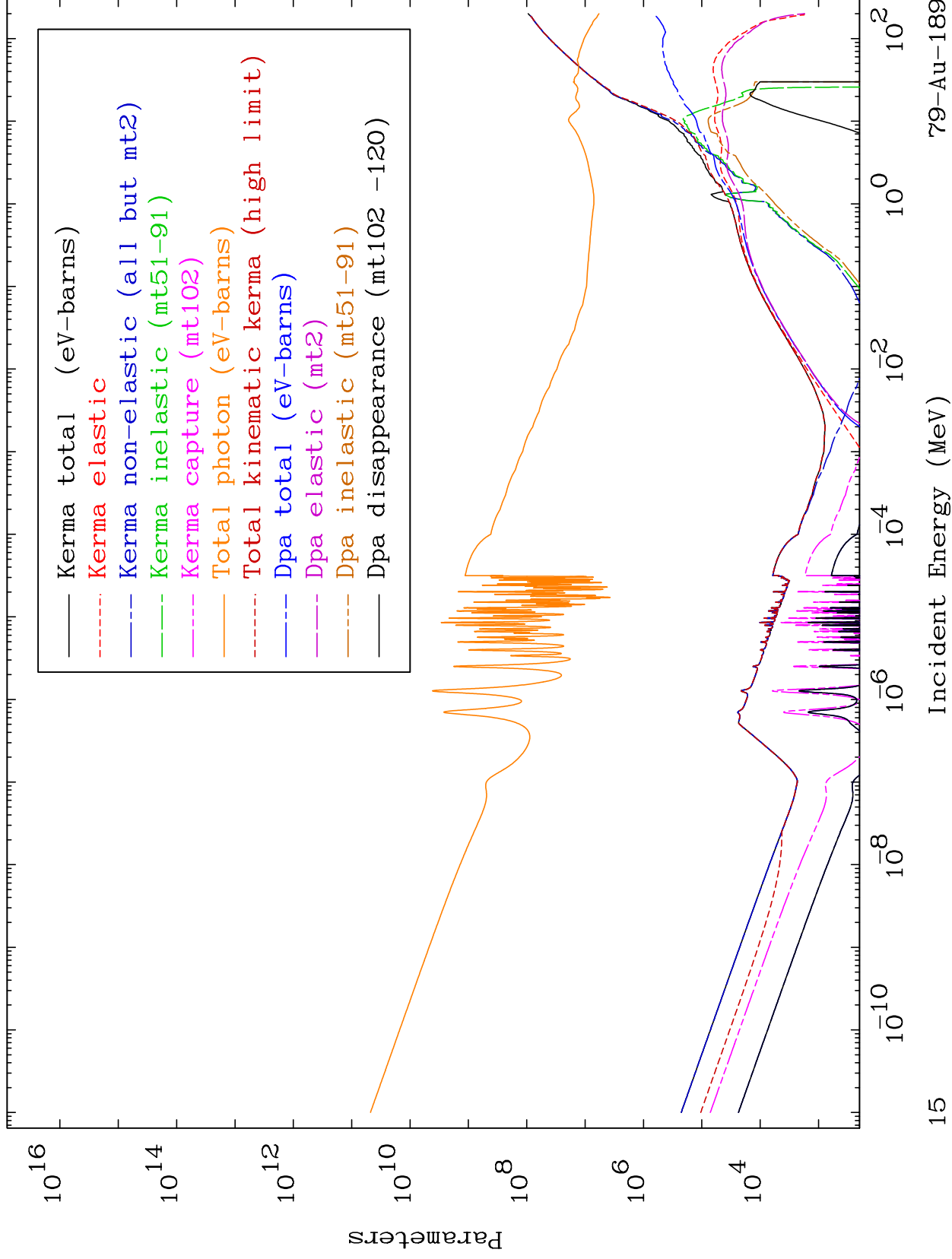
79-Au-189

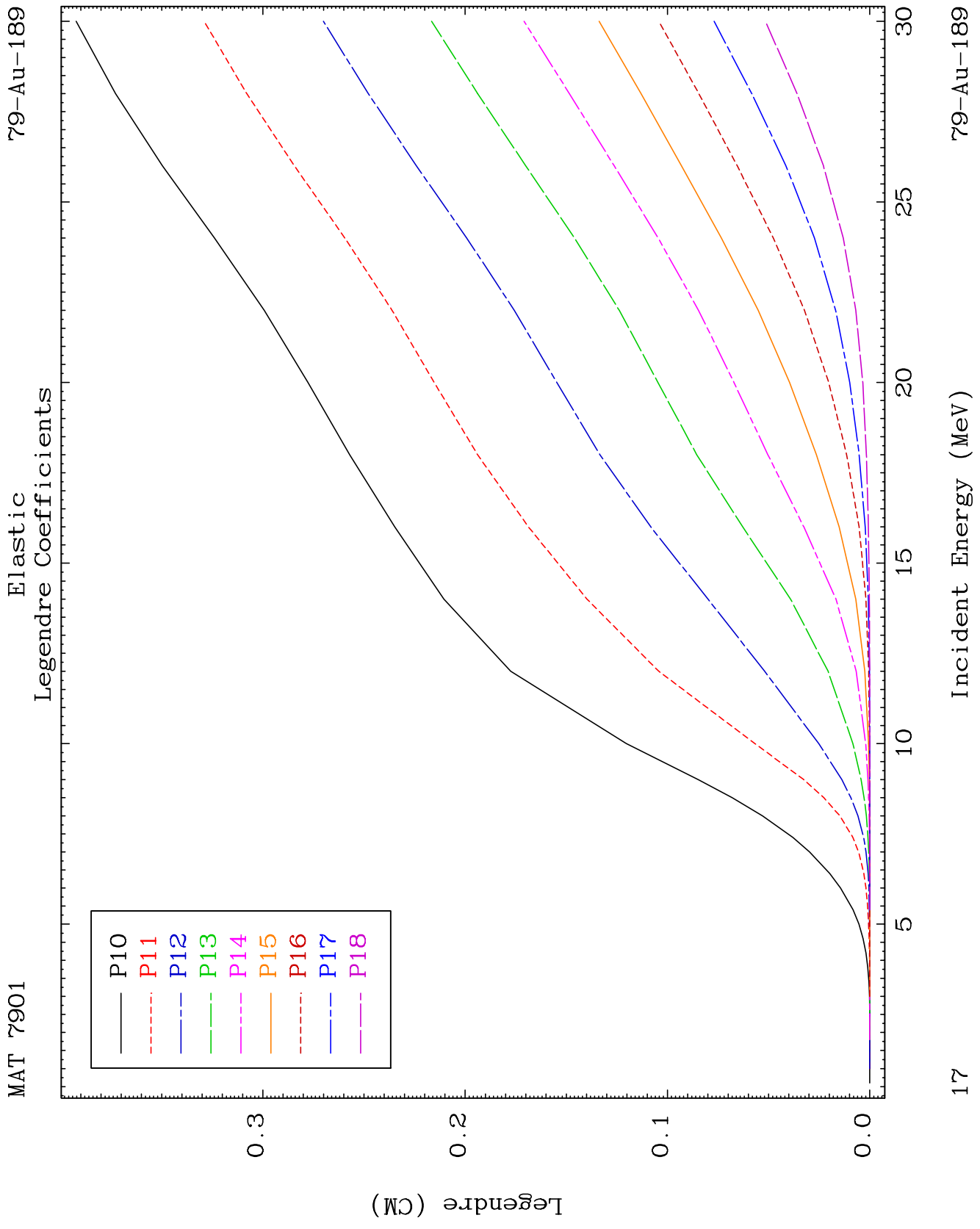


14

Incident Energy (MeV)

79-Au-189





MAT 7901

Elastic Legendre Coefficients

79-Au-189

17

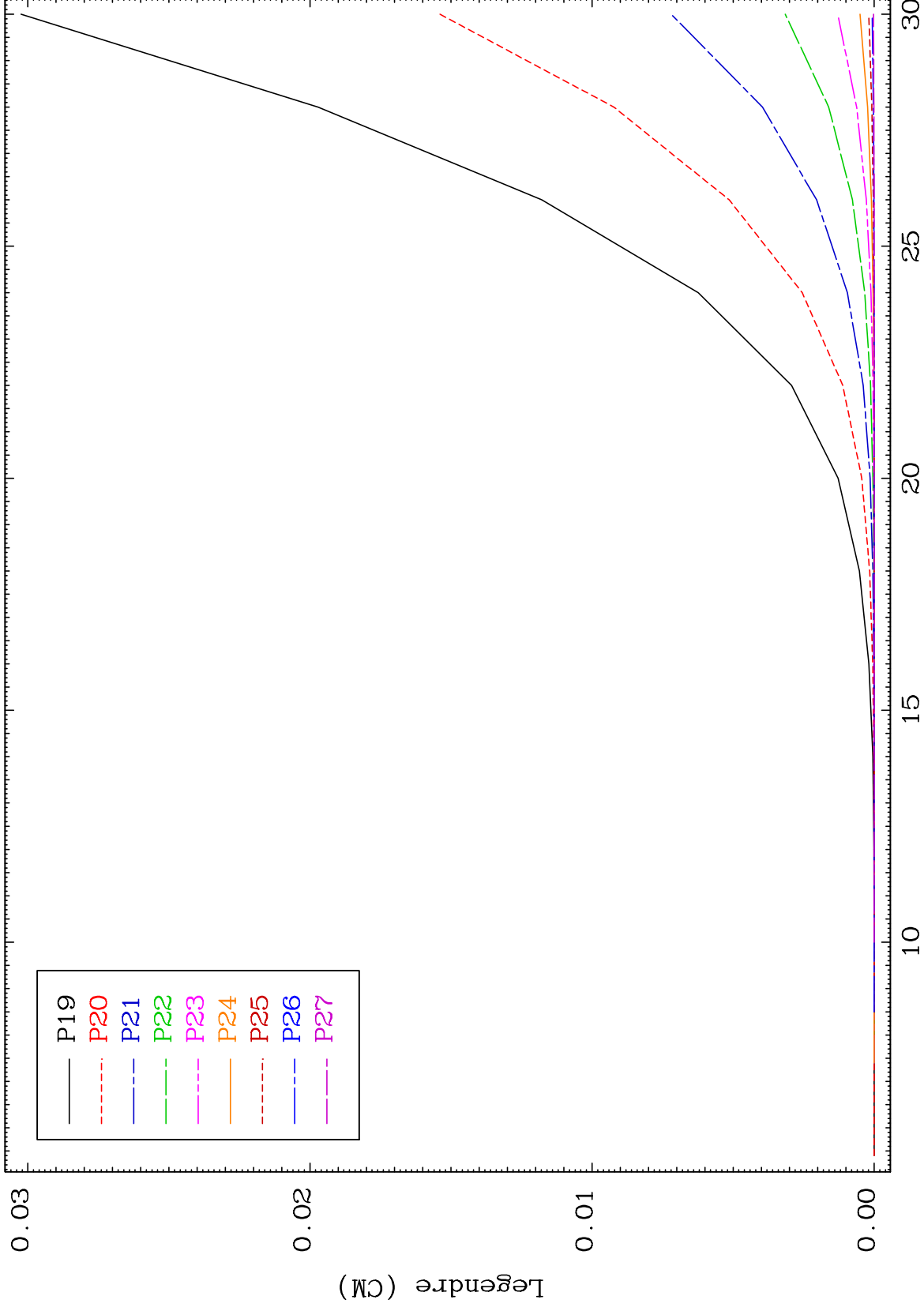
Incident Energy (MeV)

79-Au-189

MAT 7901

Elastic
Legendre Coefficients

79-Au-189



18

Incident Energy (MeV)

79-Au-189

30

25

20

15

10

0.03

0.02

0.01

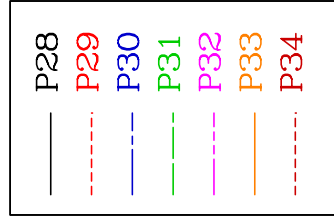
0.00

Legendre (CM)

MAT 7901

Elastic Legendre Coefficients

79-Au-189



$\times 10^{-6}$

Legendre (CM)

10

15

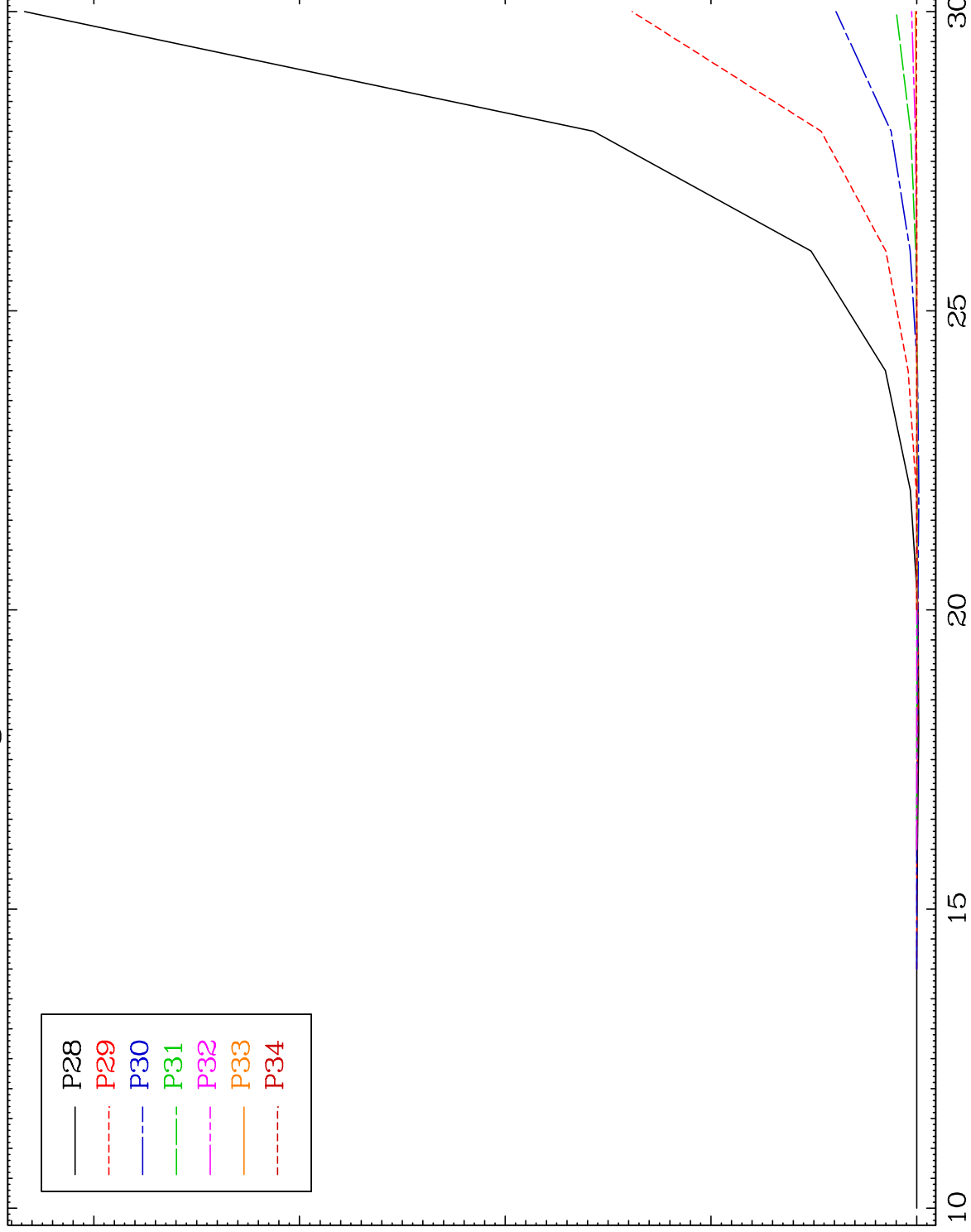
20

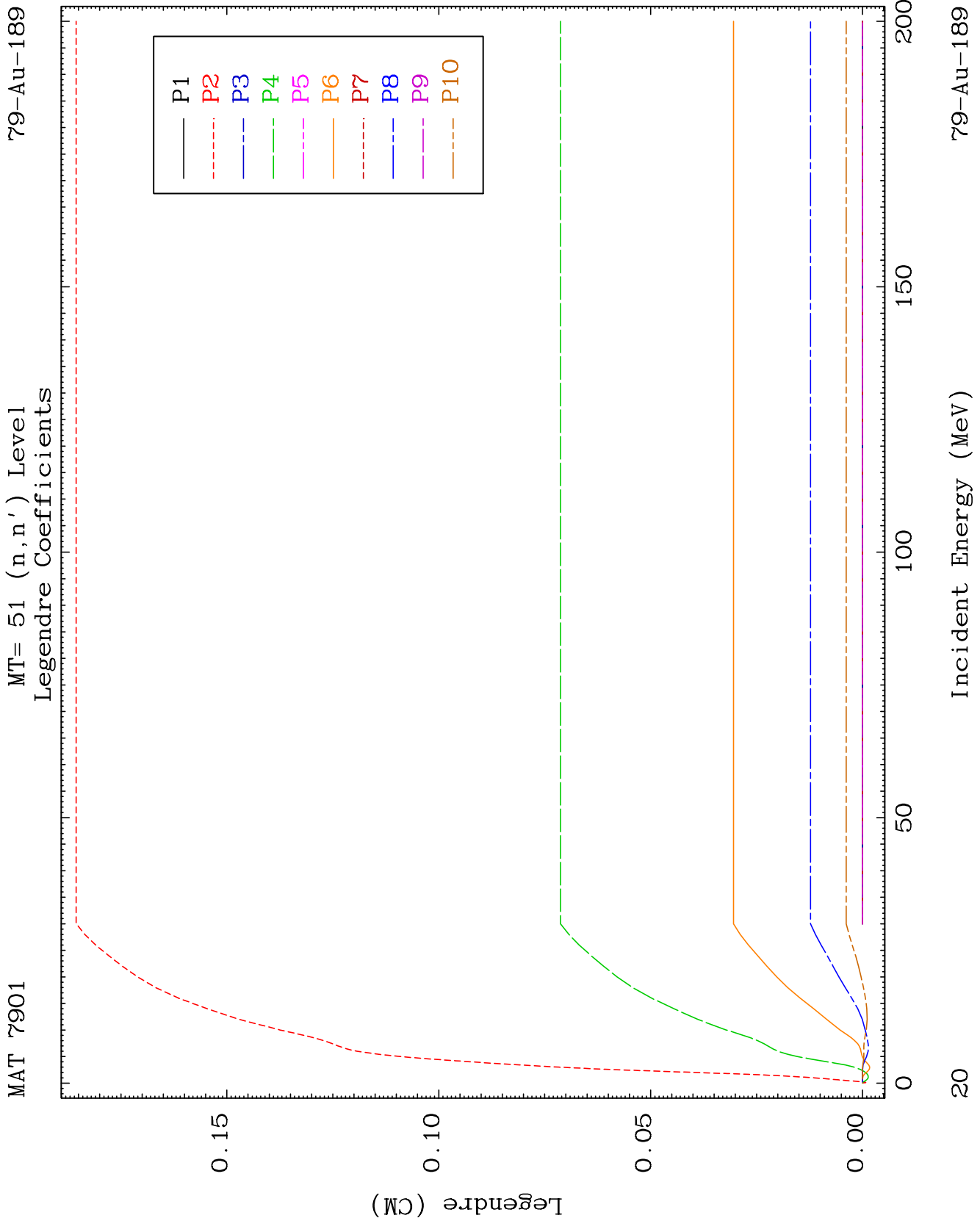
25

30

Incident Energy (MeV)

79-Au-189

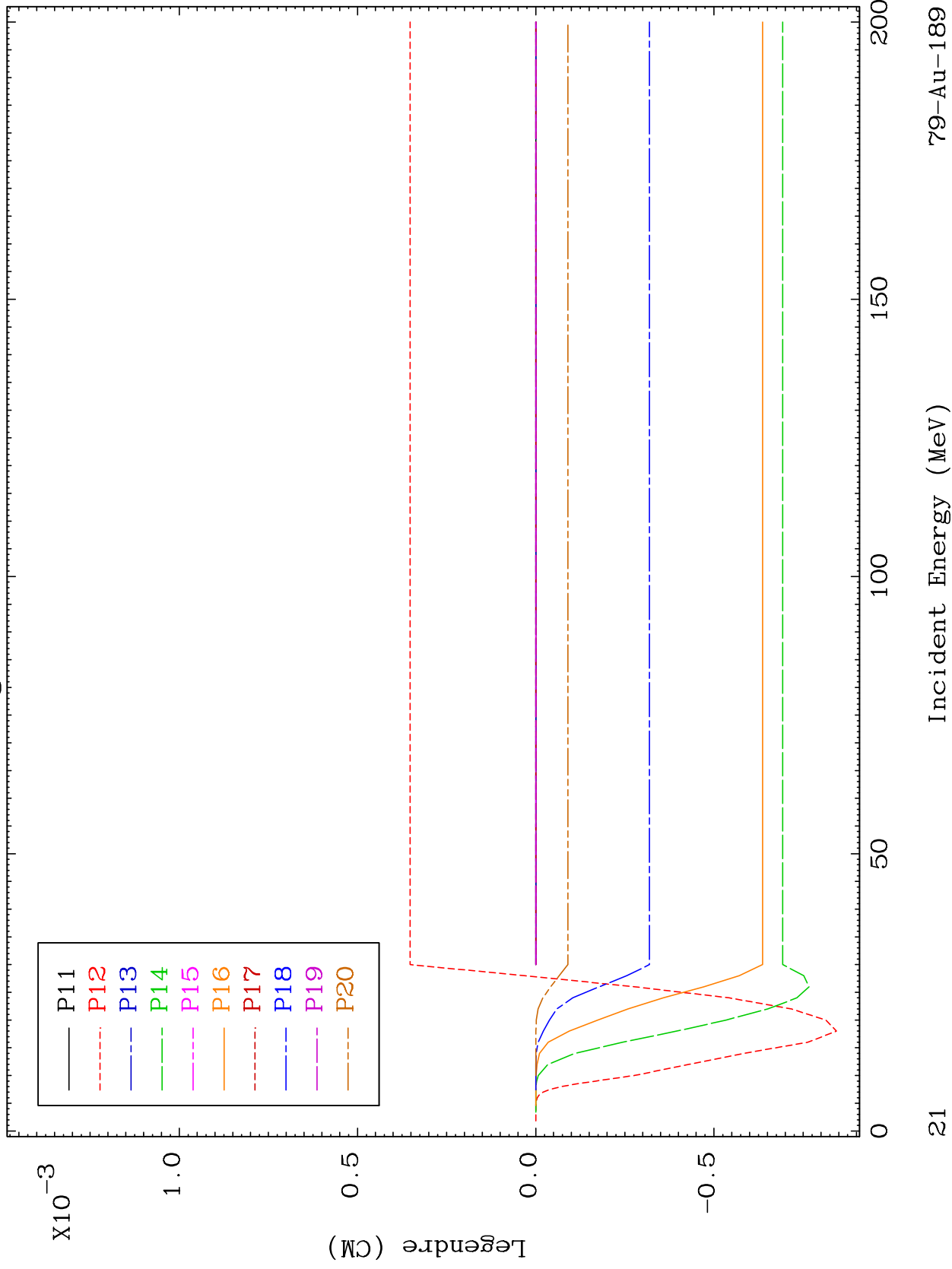




MAT 7901

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

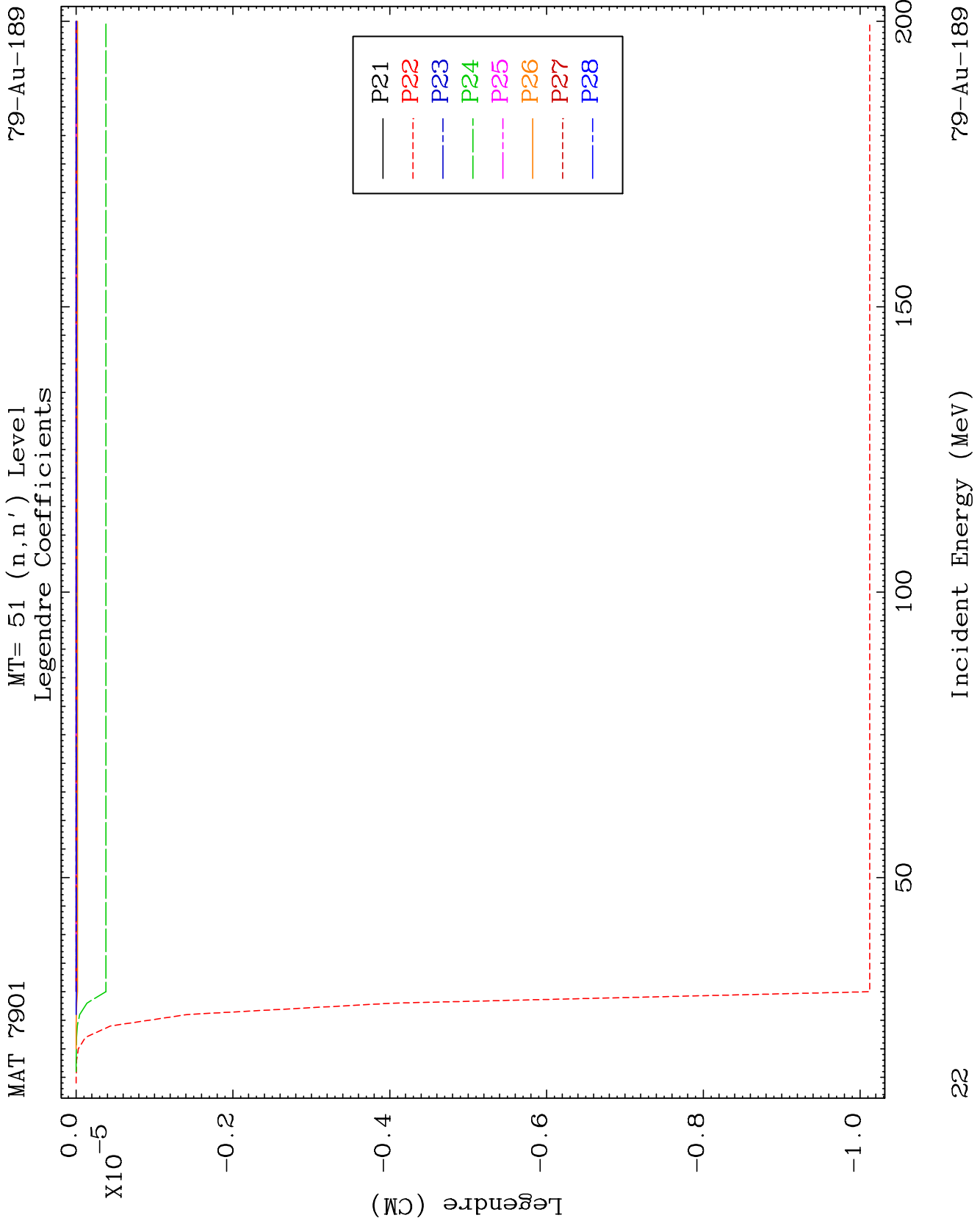
79-Au-189



21

Incident Energy (MeV)

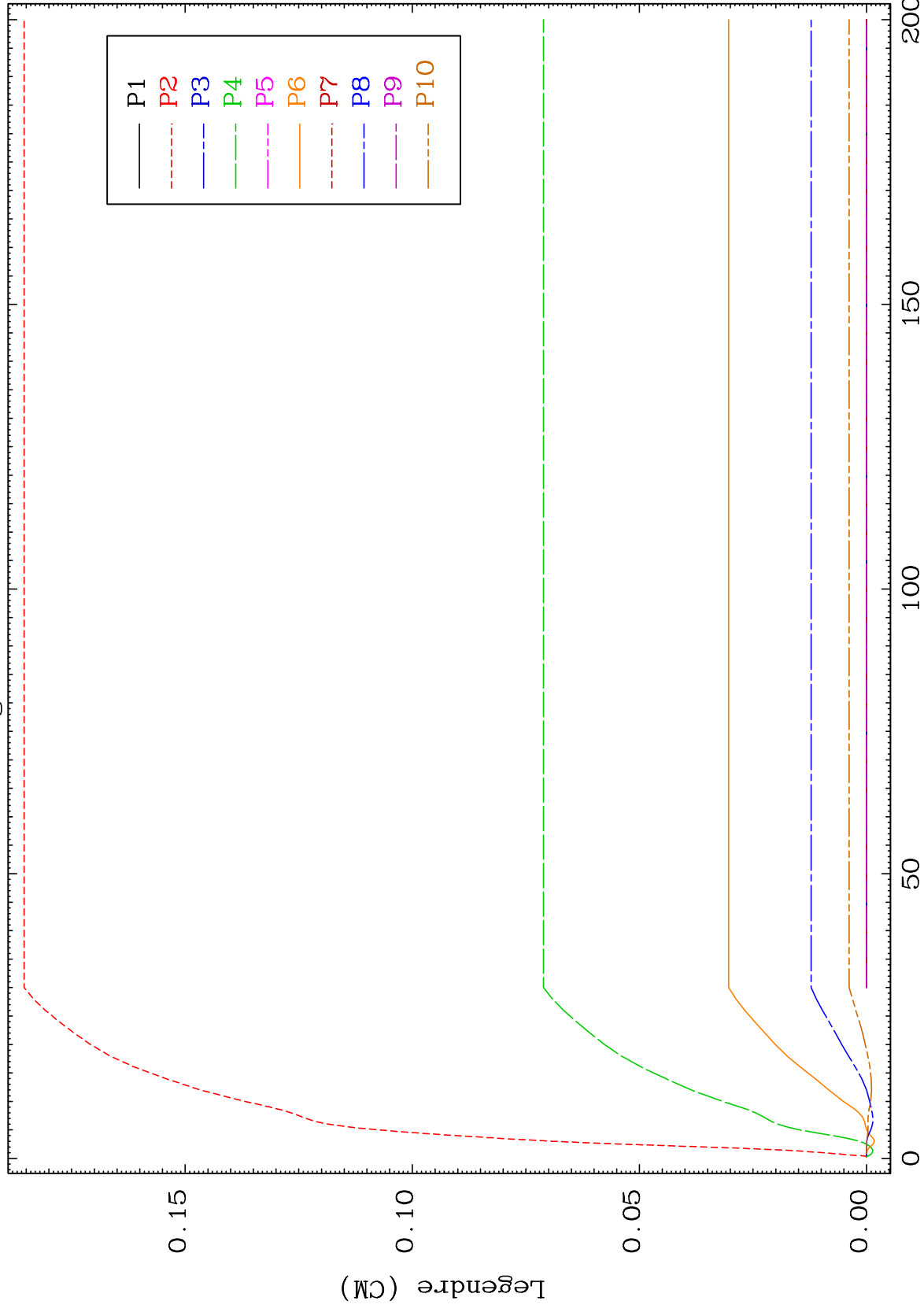
79-Au-189



MAT 7901

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

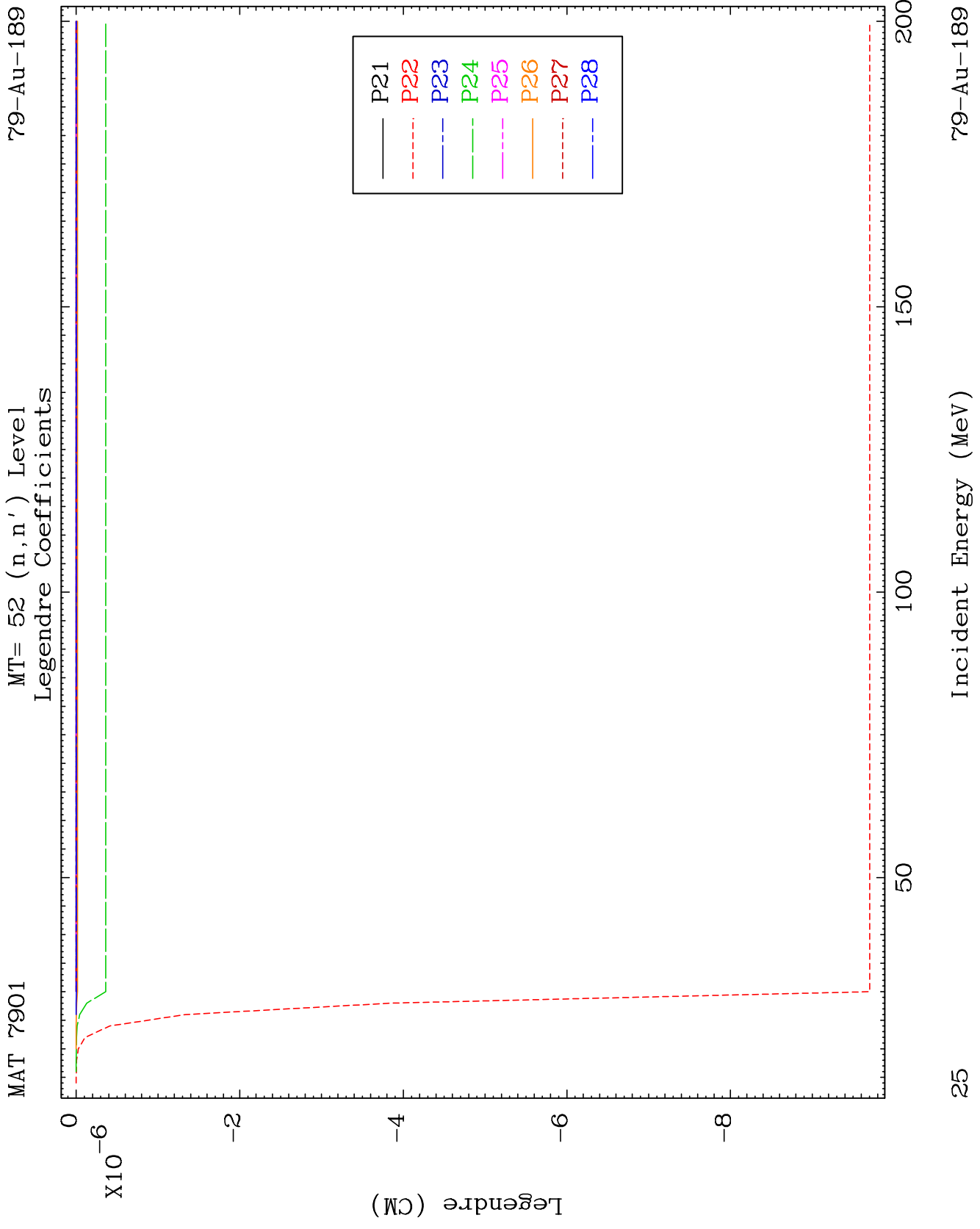
79-Au-189



23

Incident Energy (MeV)

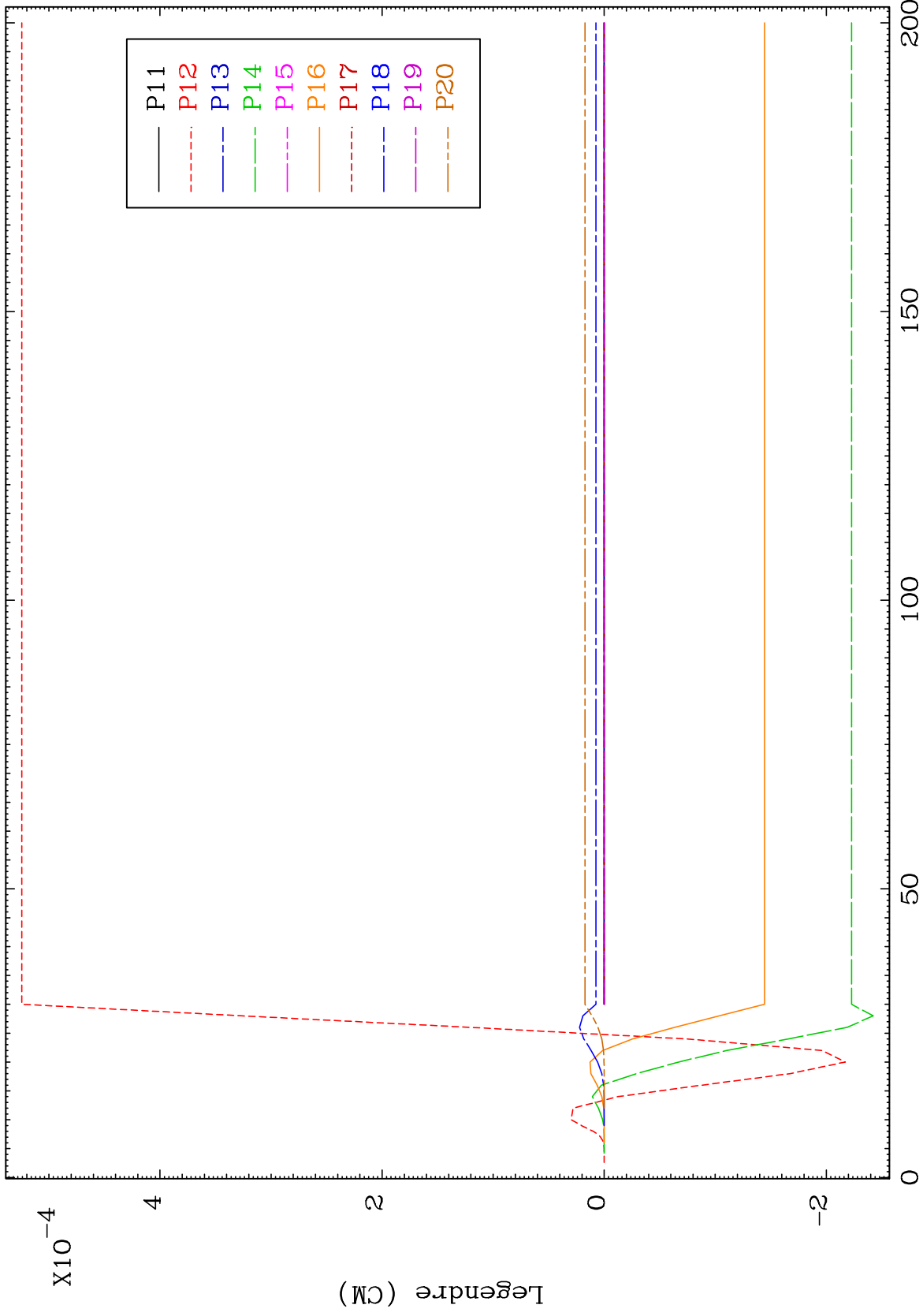
79-Au-189



MAT 7901

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

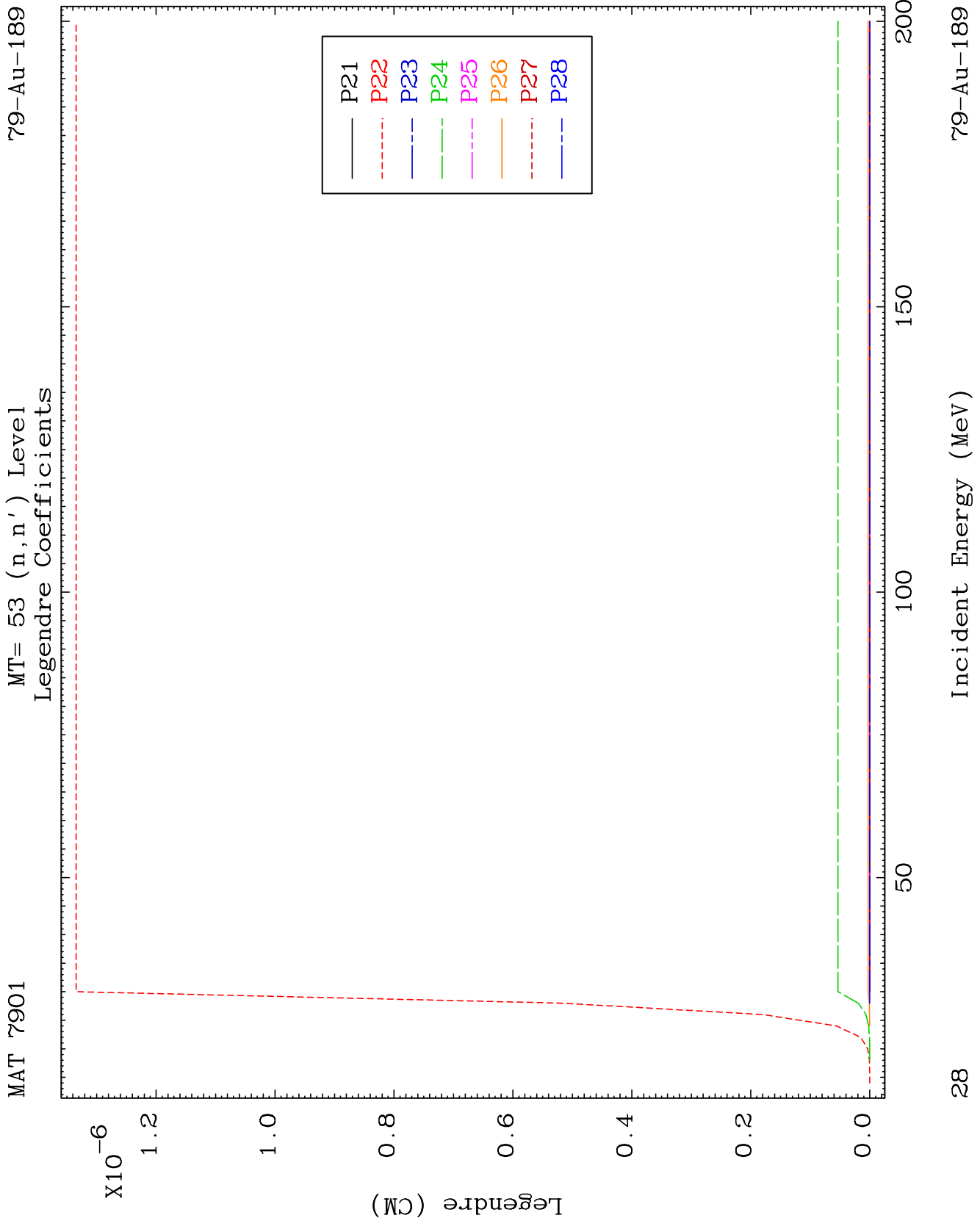
79-Au-189



27

Incident Energy (MeV)

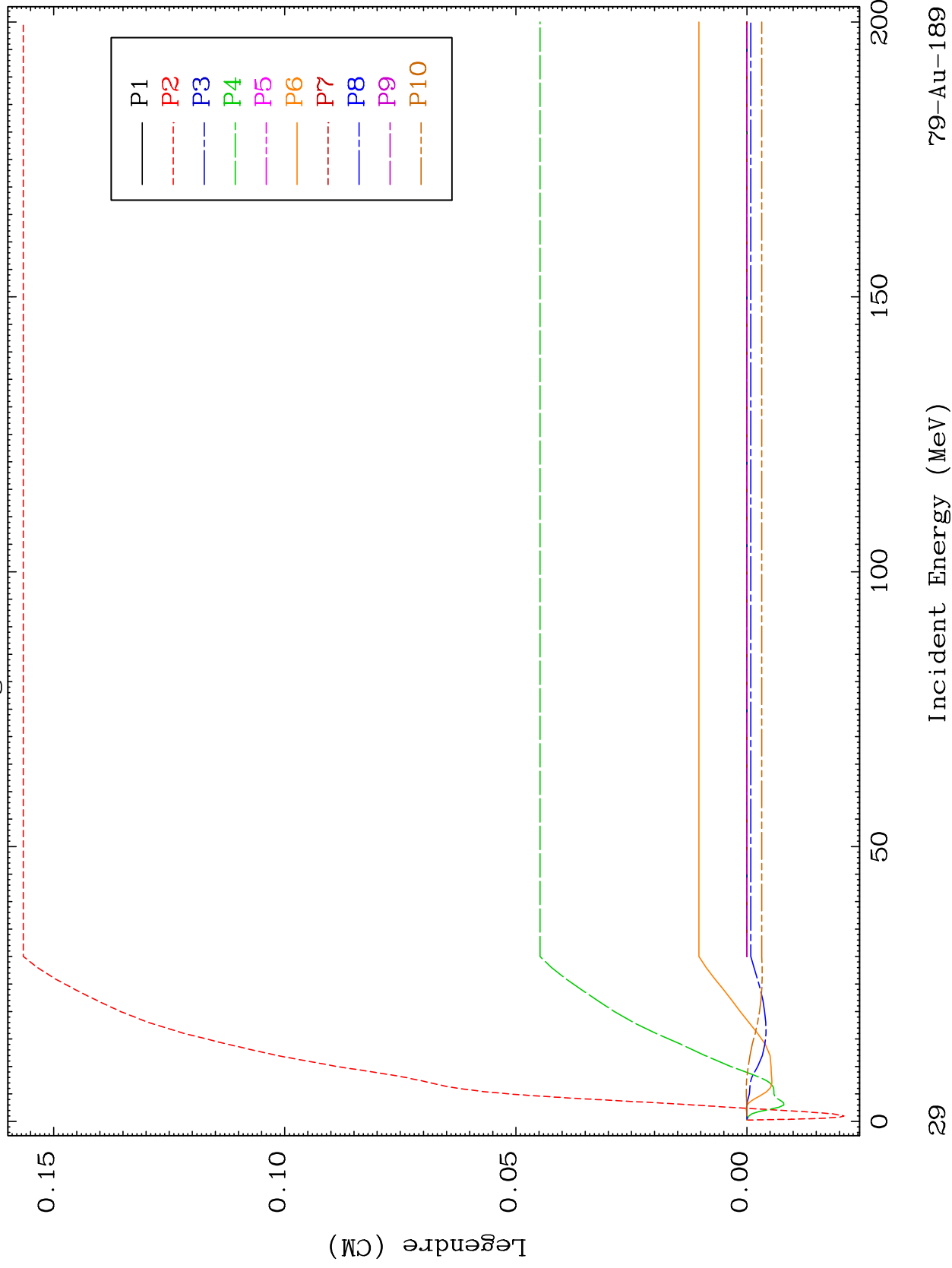
79-Au-189



MAT 7901

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

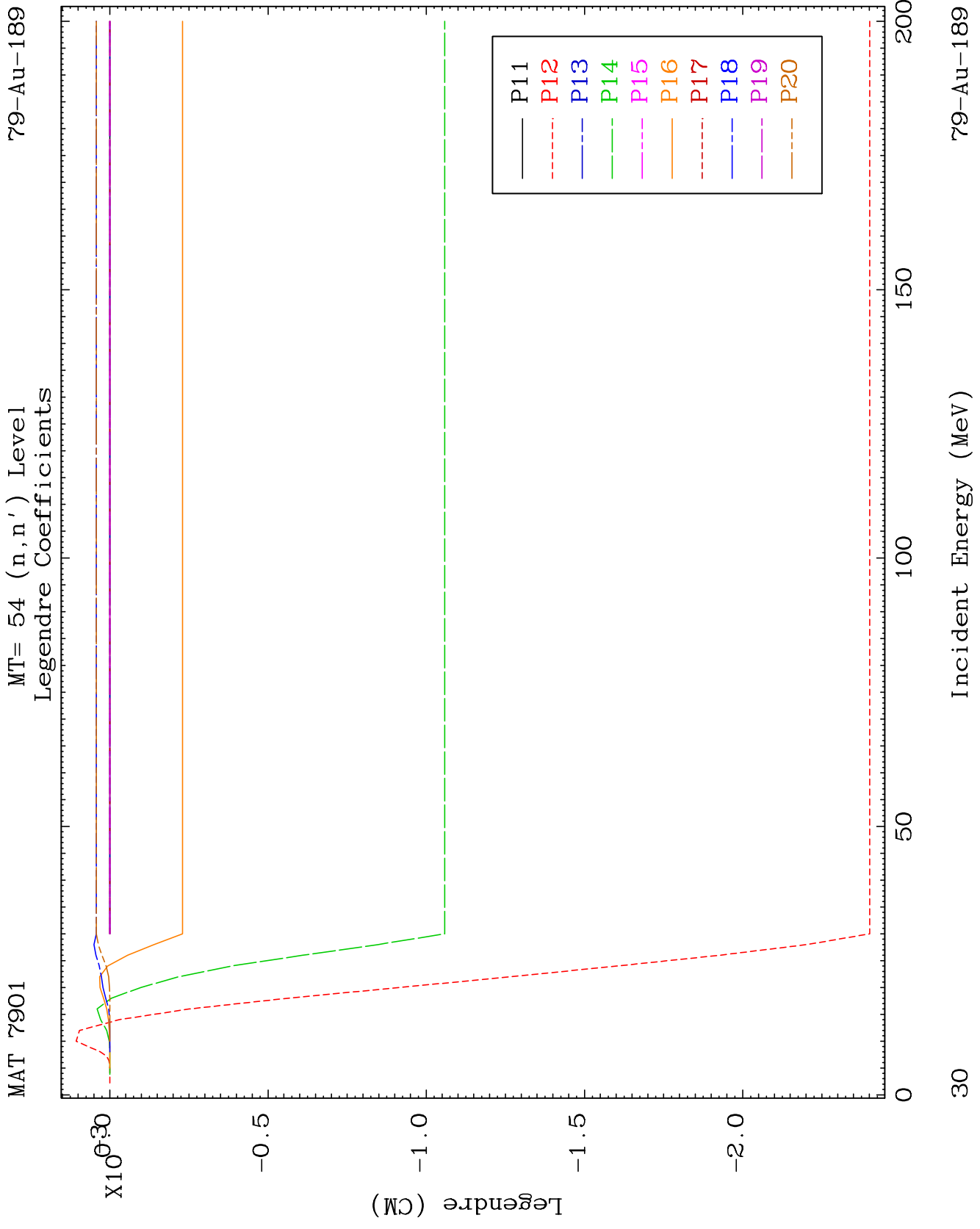
79-Au-189



79-Au-189

Incident Energy (MeV)

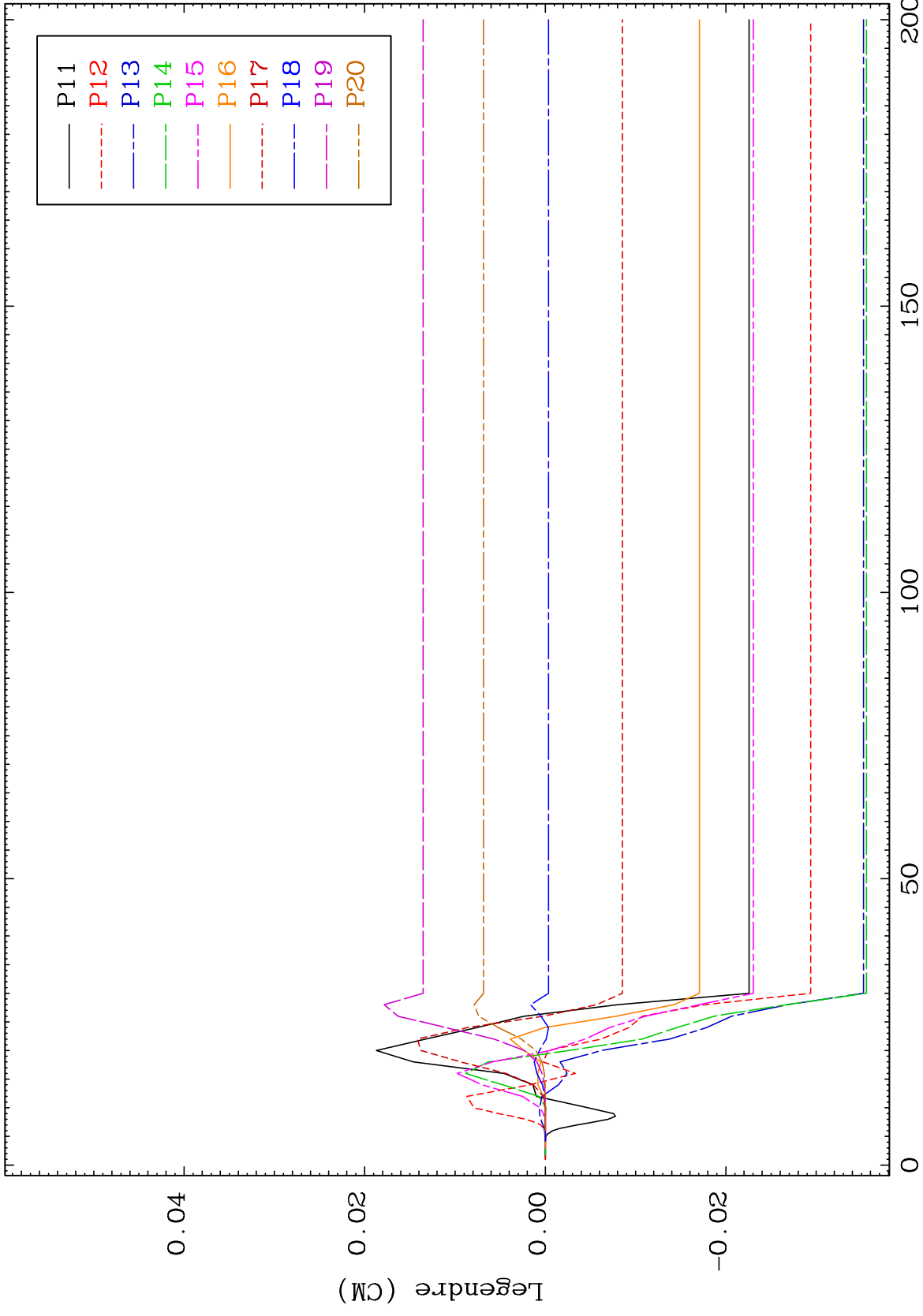
29



MAT 7901

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

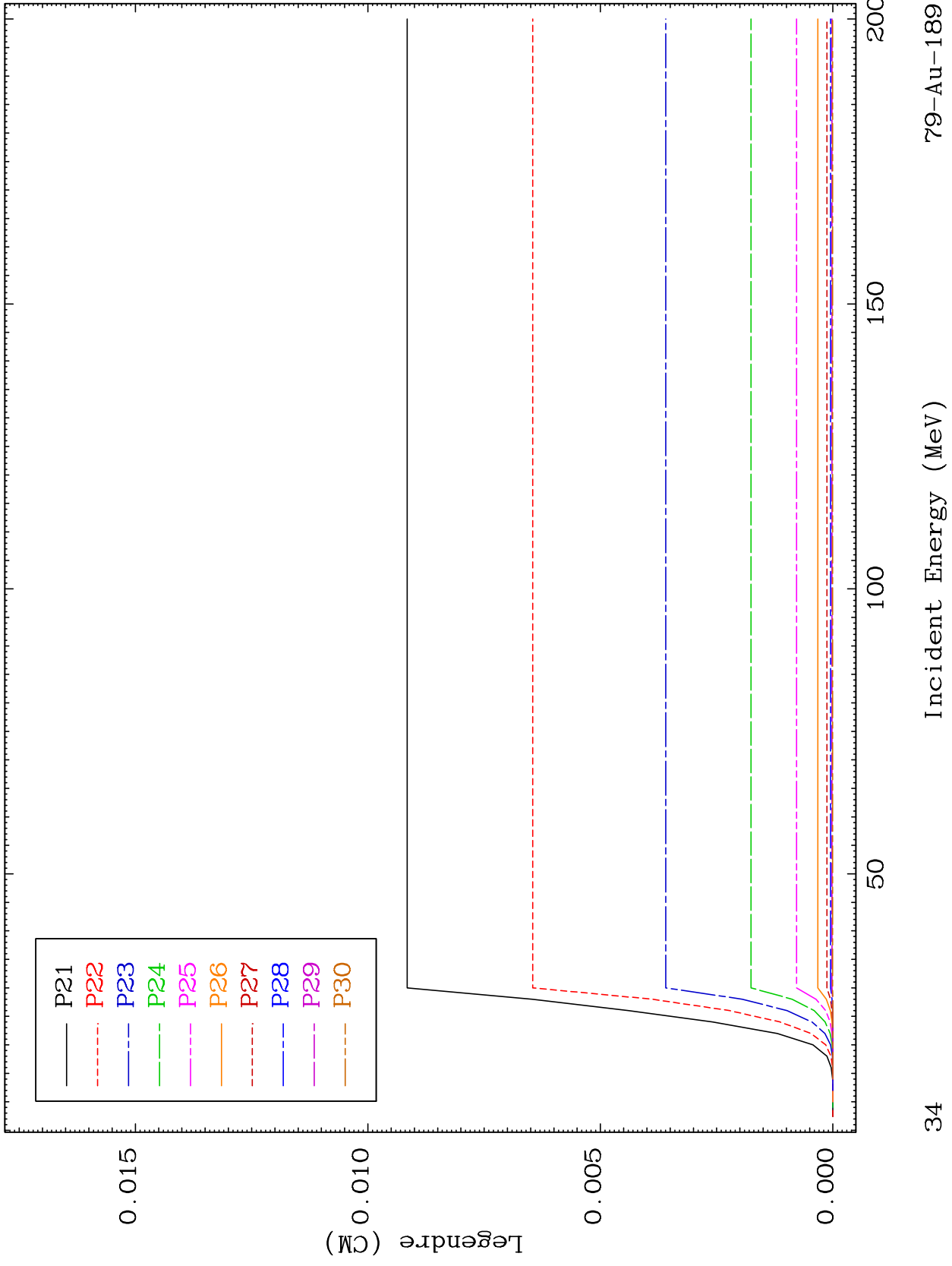
79-Au-189



33

Incident Energy (MeV)

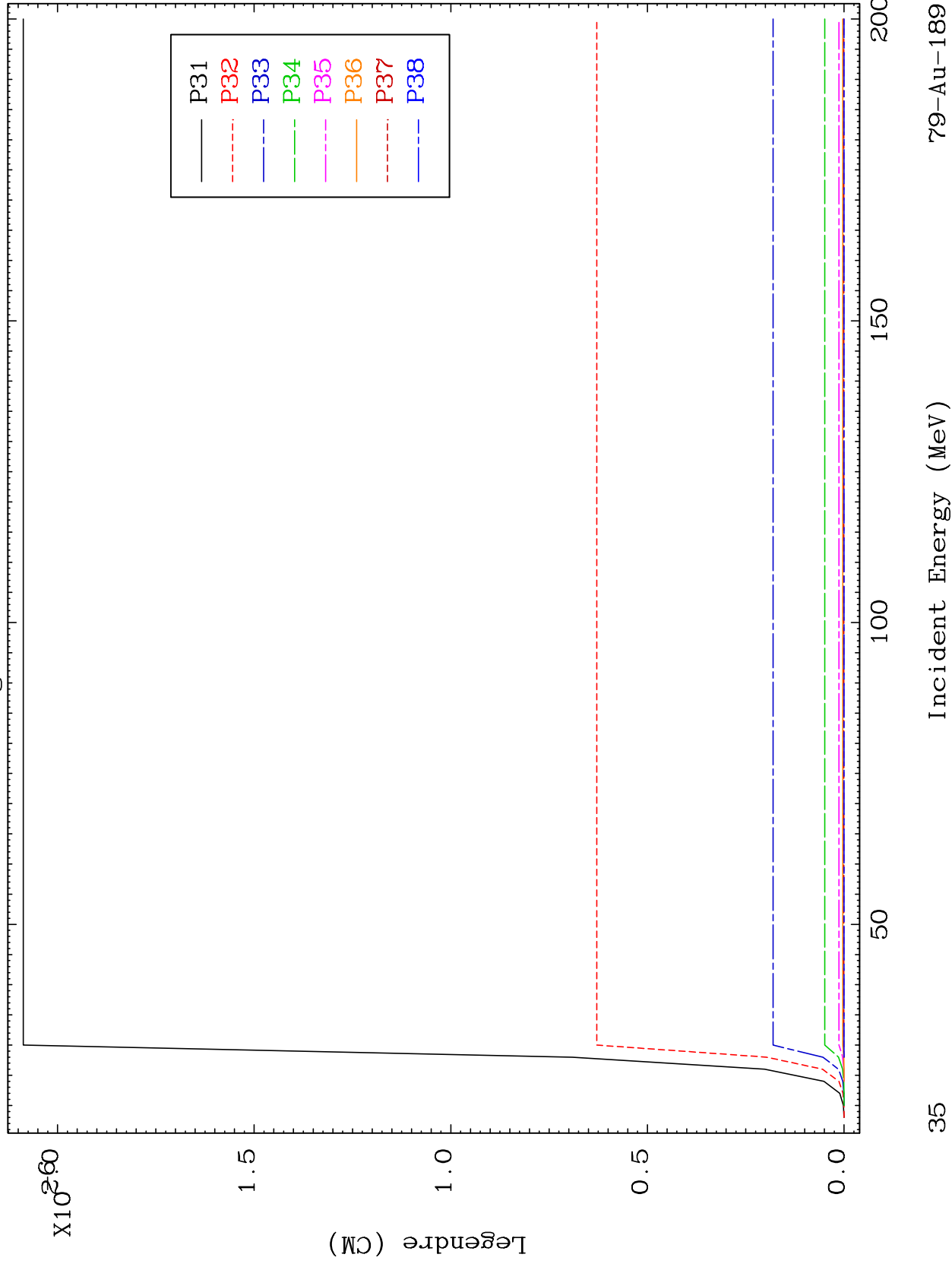
79-Au-189



MAT 7901

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

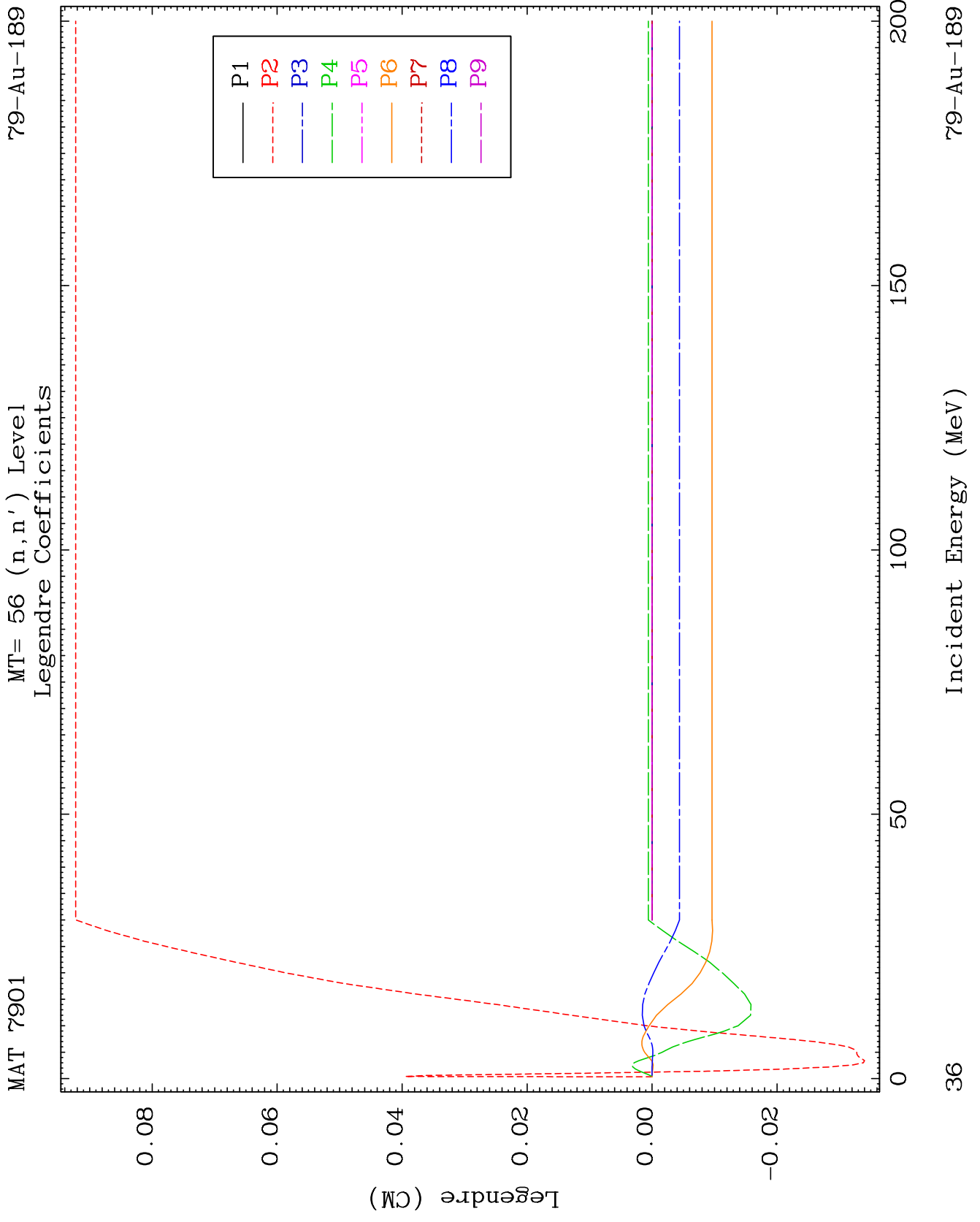
79-Au-189

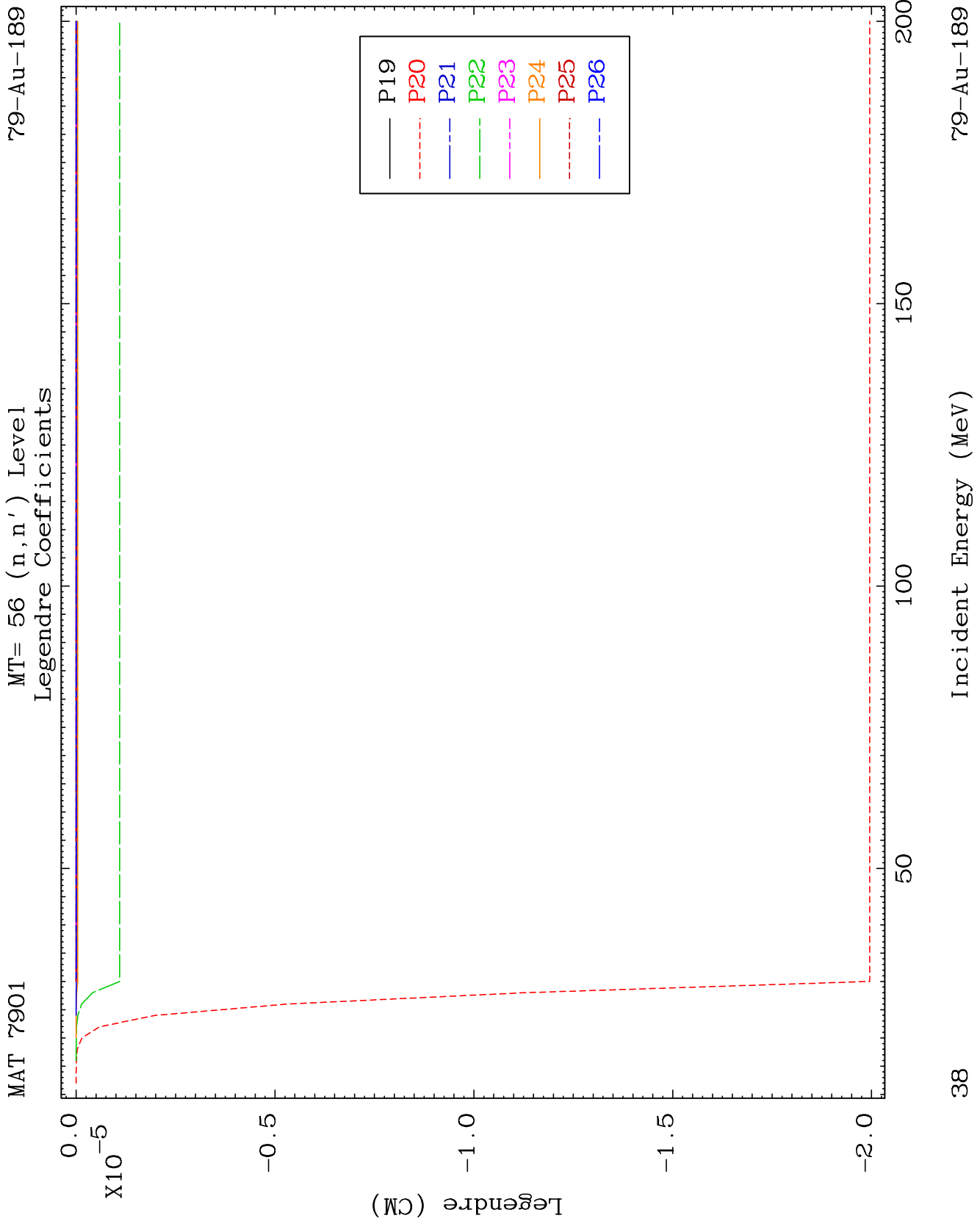


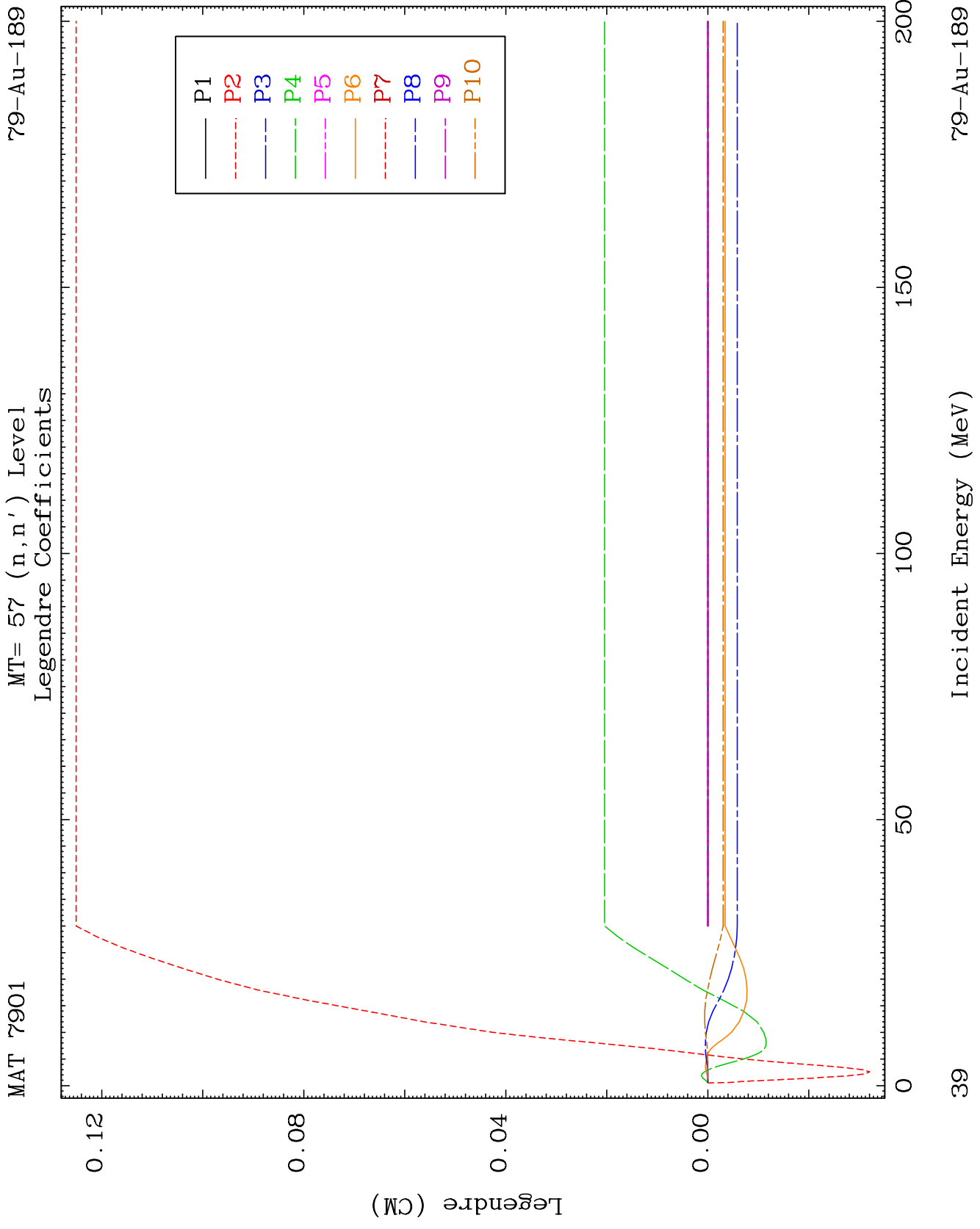
79-Au-189

Incident Energy (MeV)

35



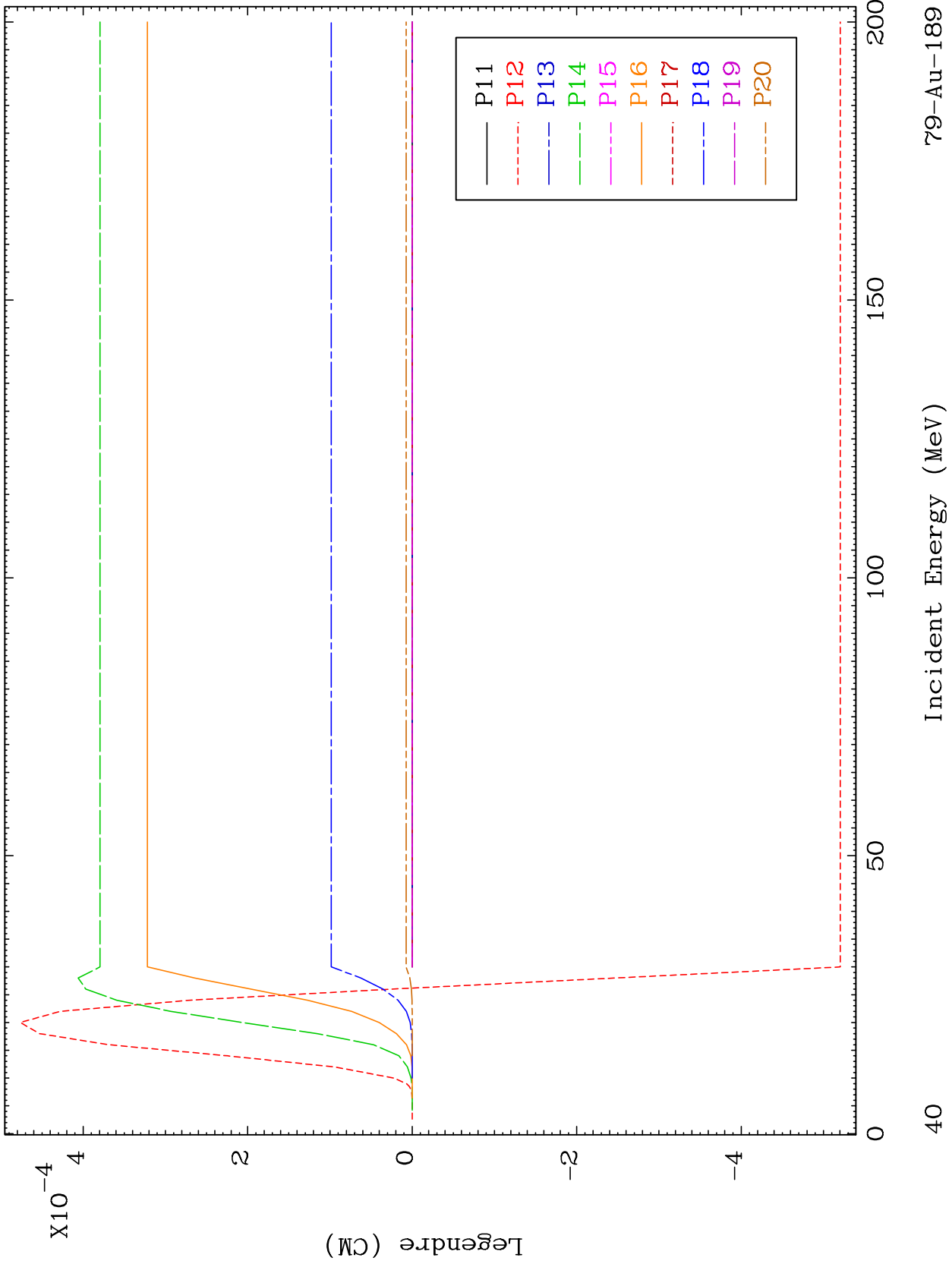




MAT 7901

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

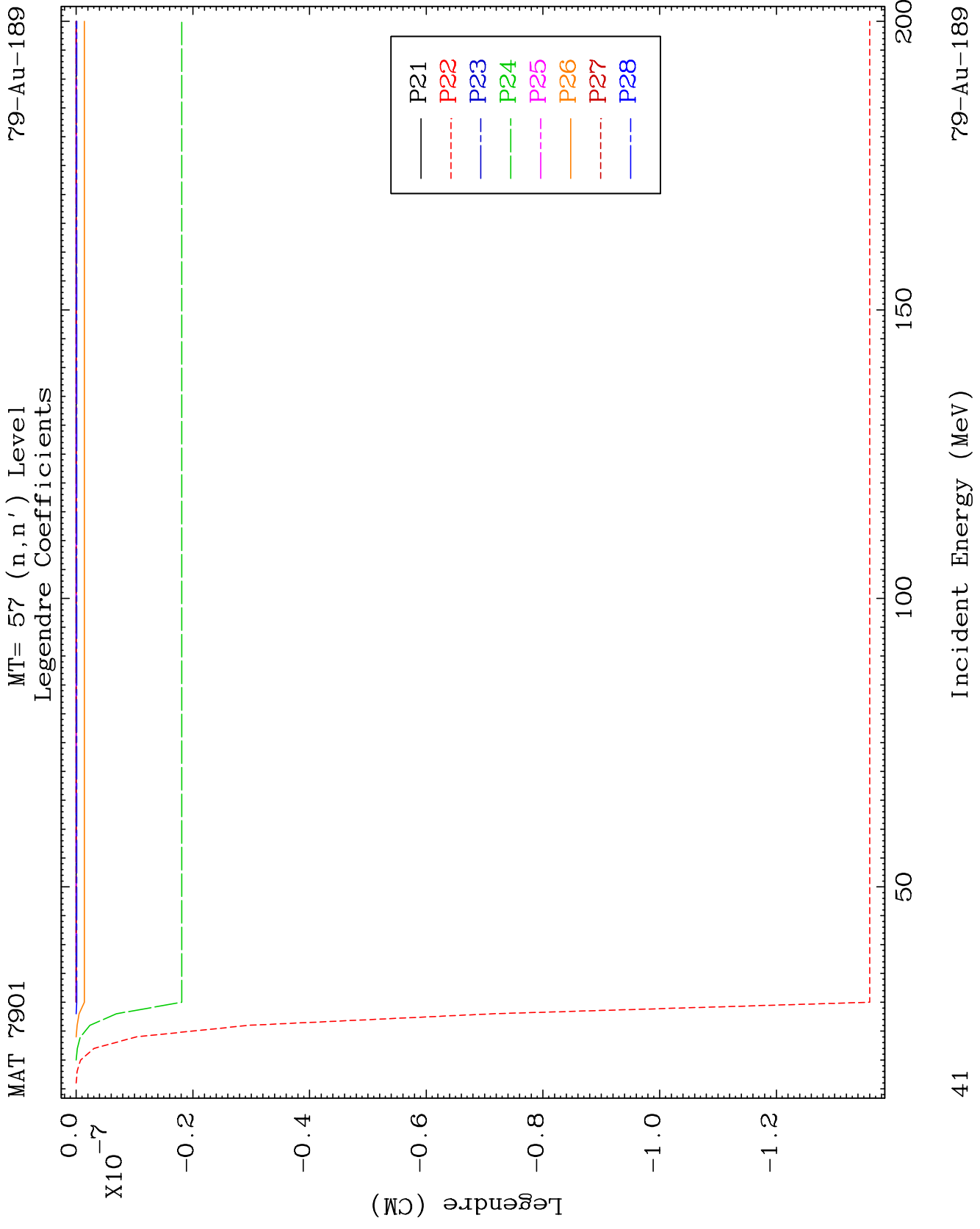
79-Au-189



79-Au-189

Incident Energy (MeV)

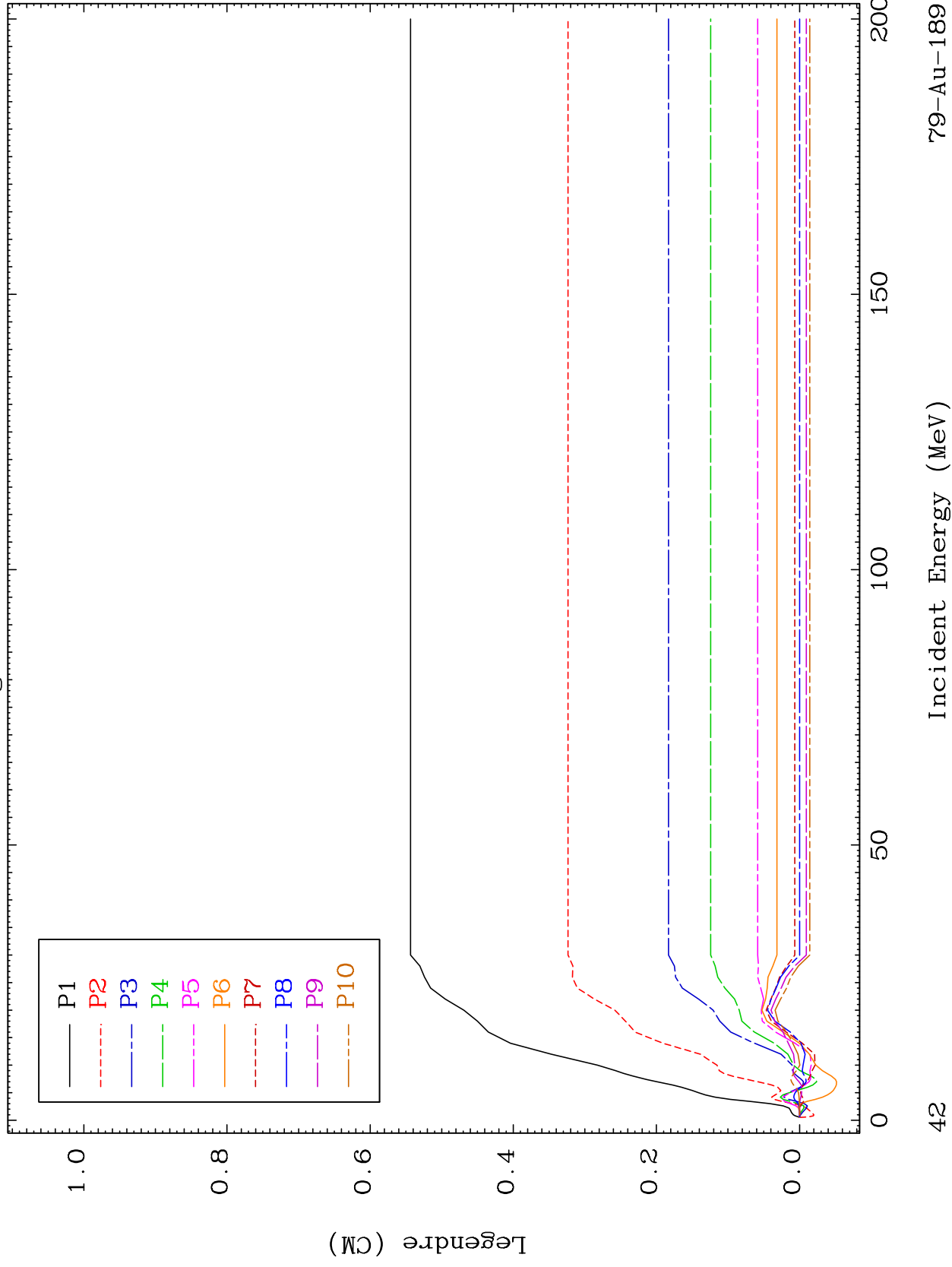
40



MAT 7901

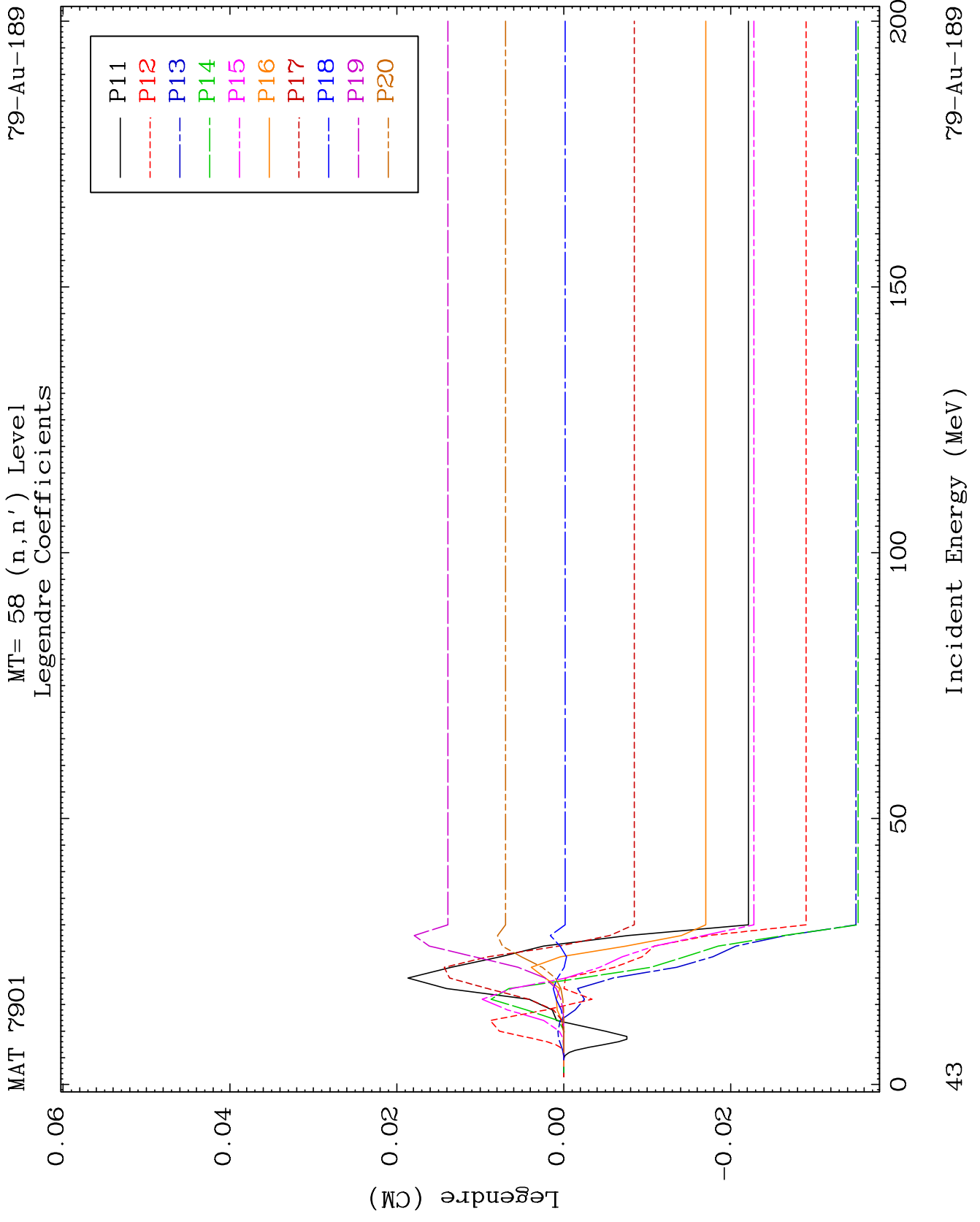
MT= 58 (n,n') Level
Legendre Coefficients

79-Au-189



42

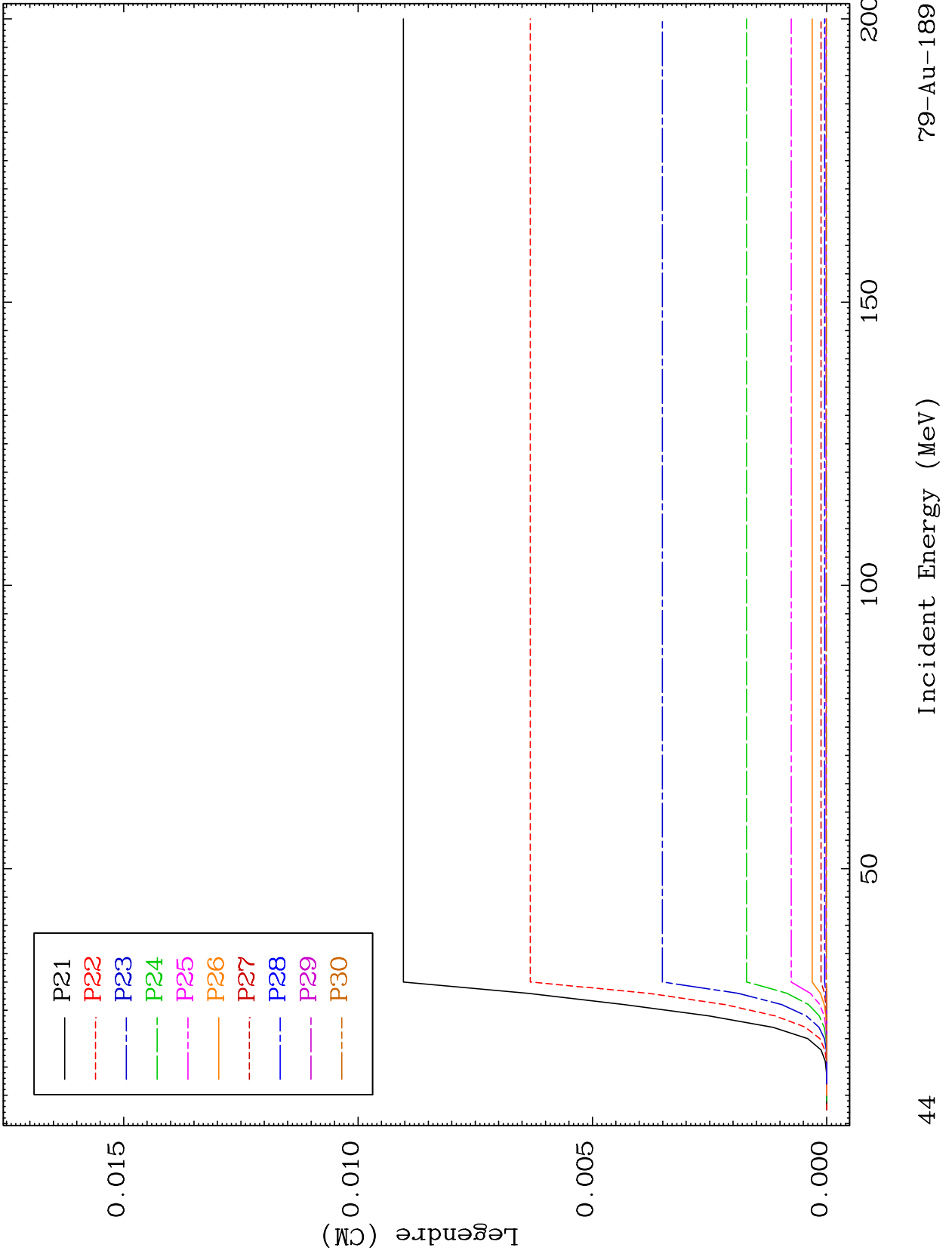
79-Au-189

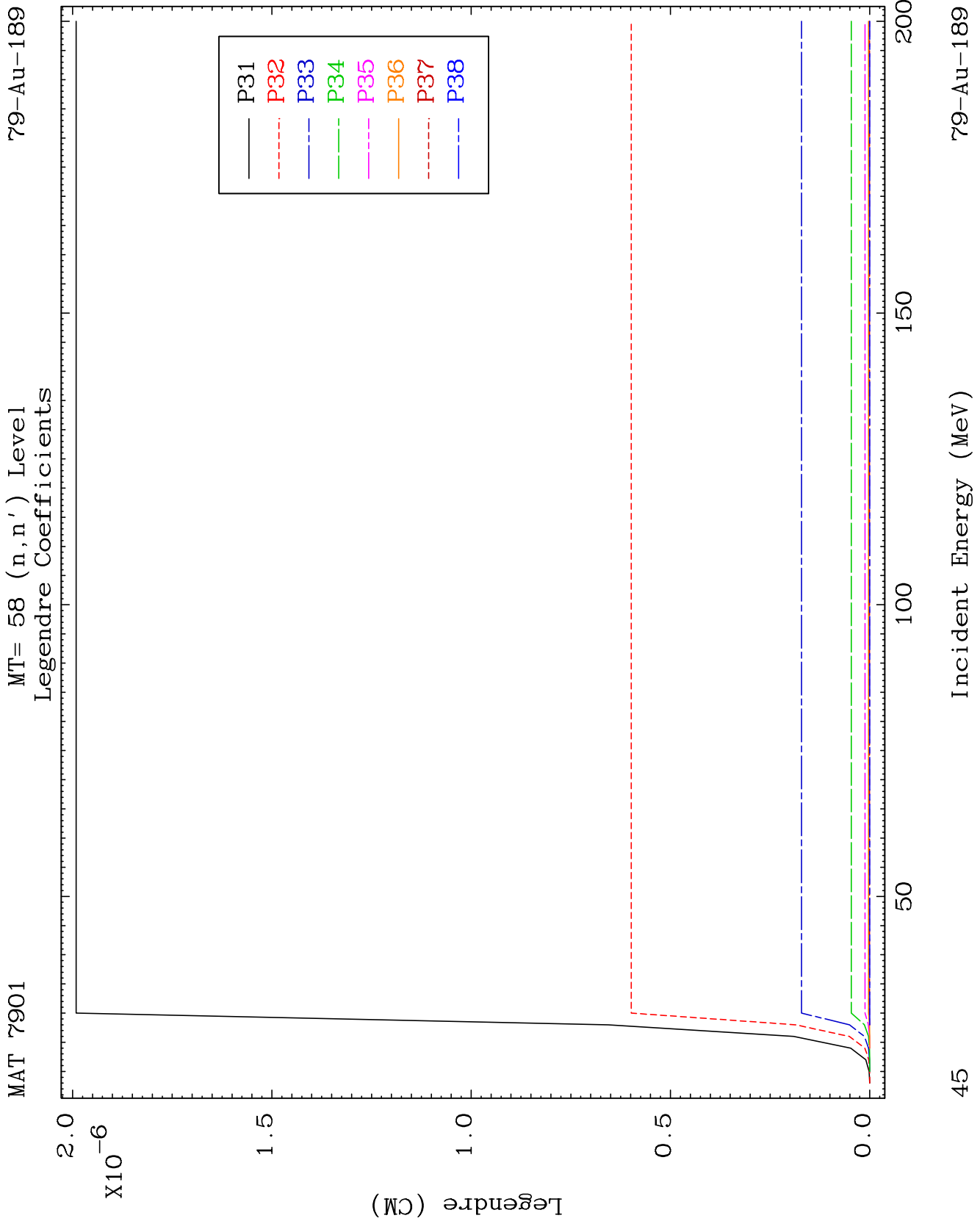


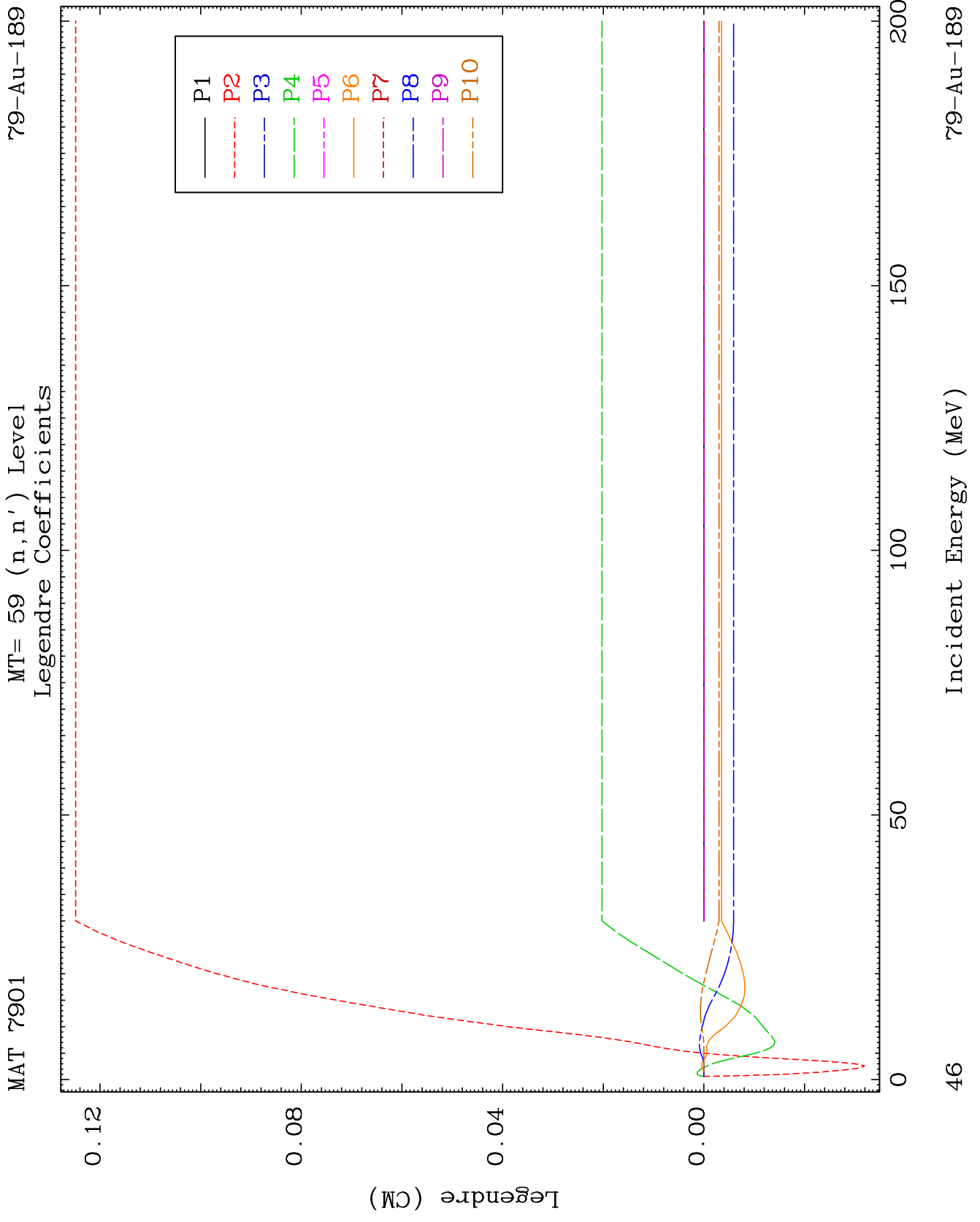
MAT 7901

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

79-Au-189



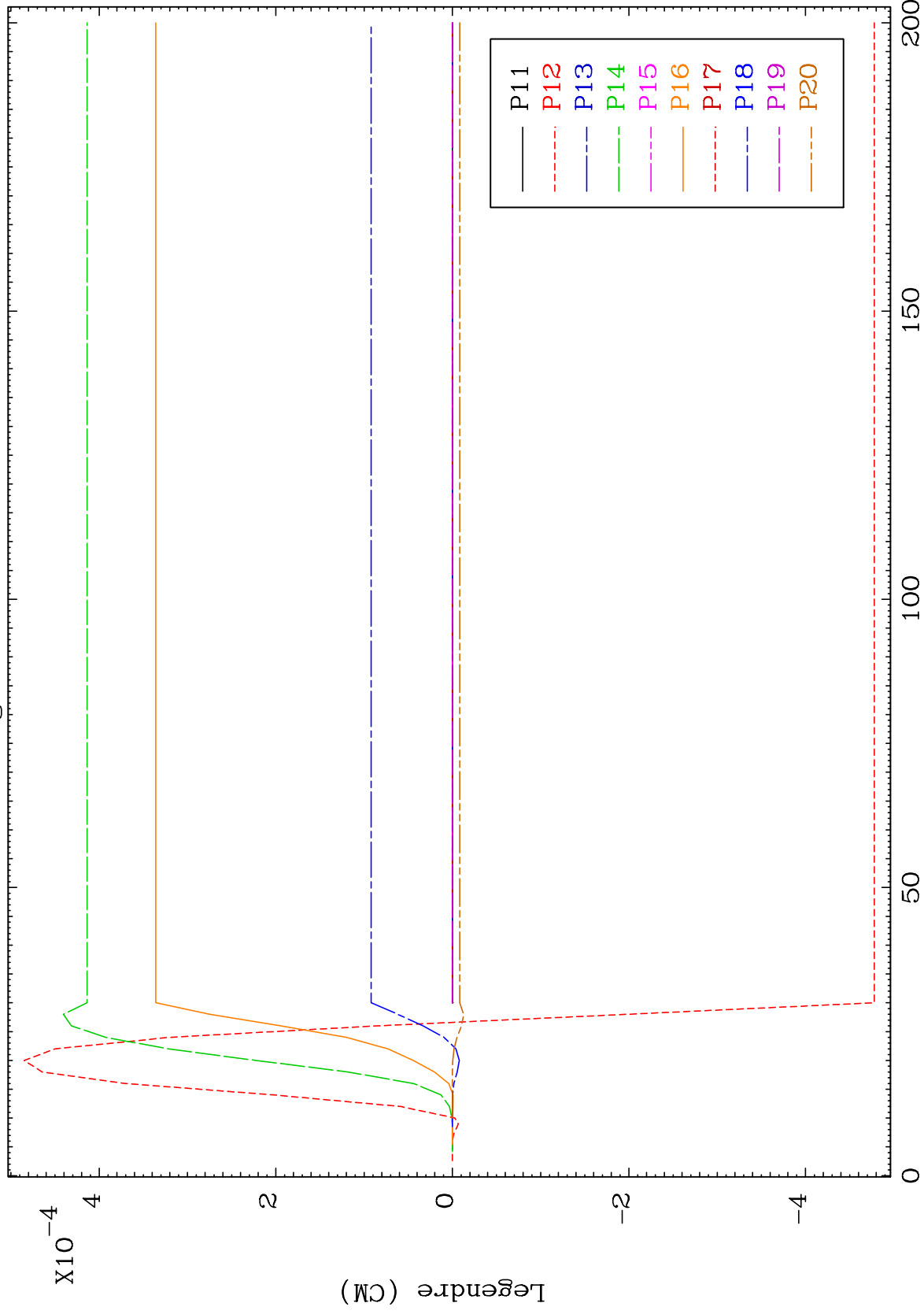




MAT 7901

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

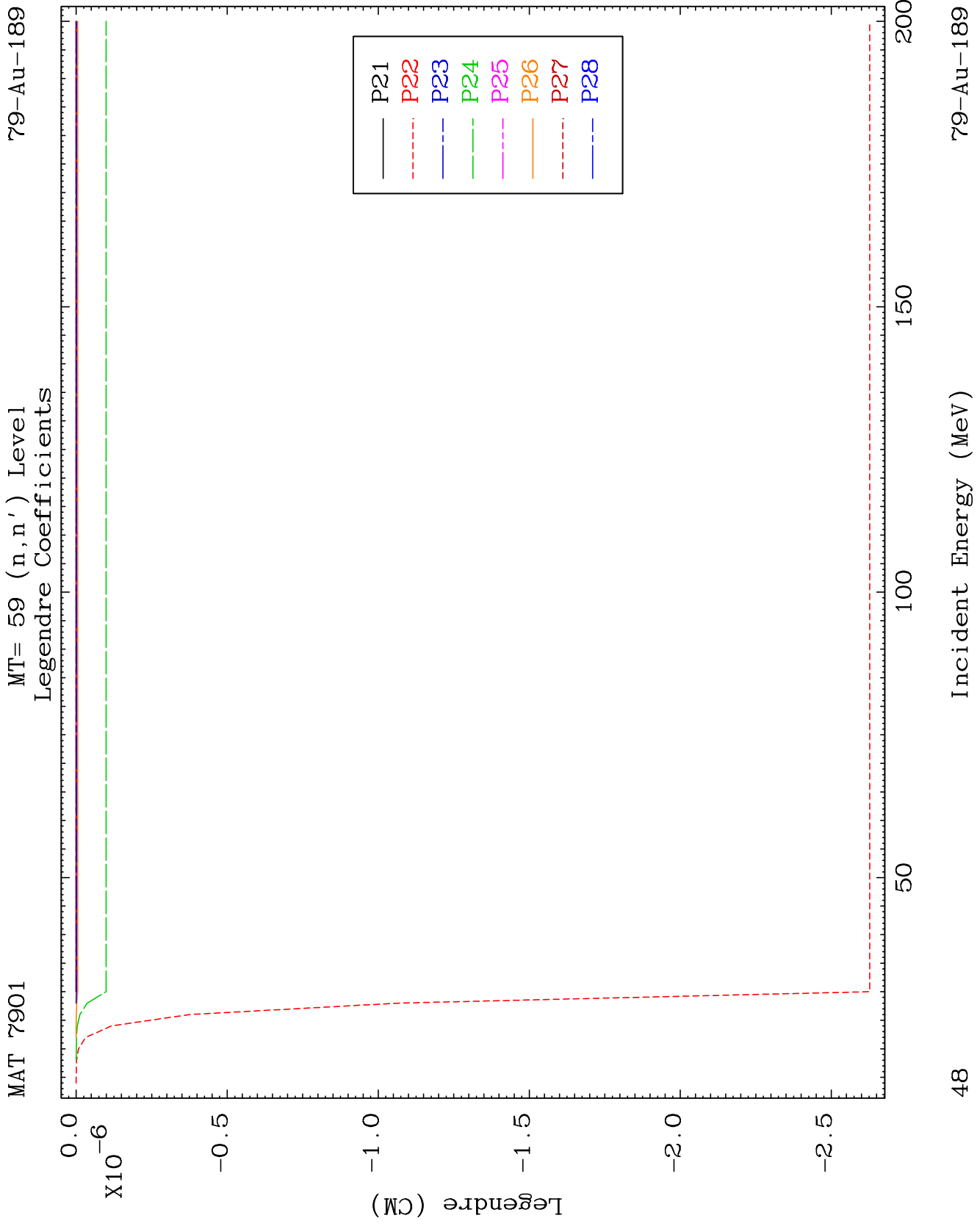
79-Au-189



47

Incident Energy (MeV)

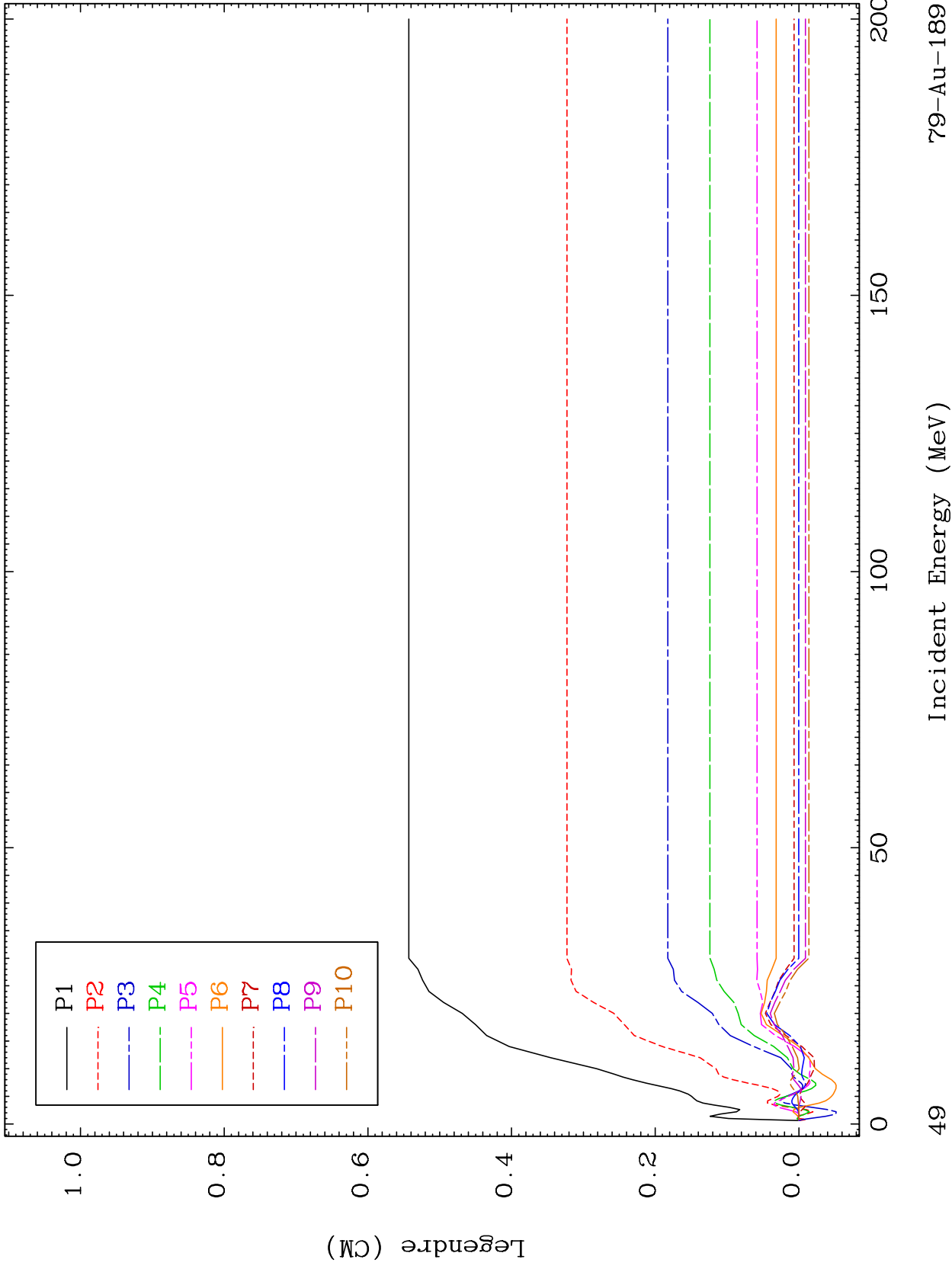
79-Au-189



MAT 7901

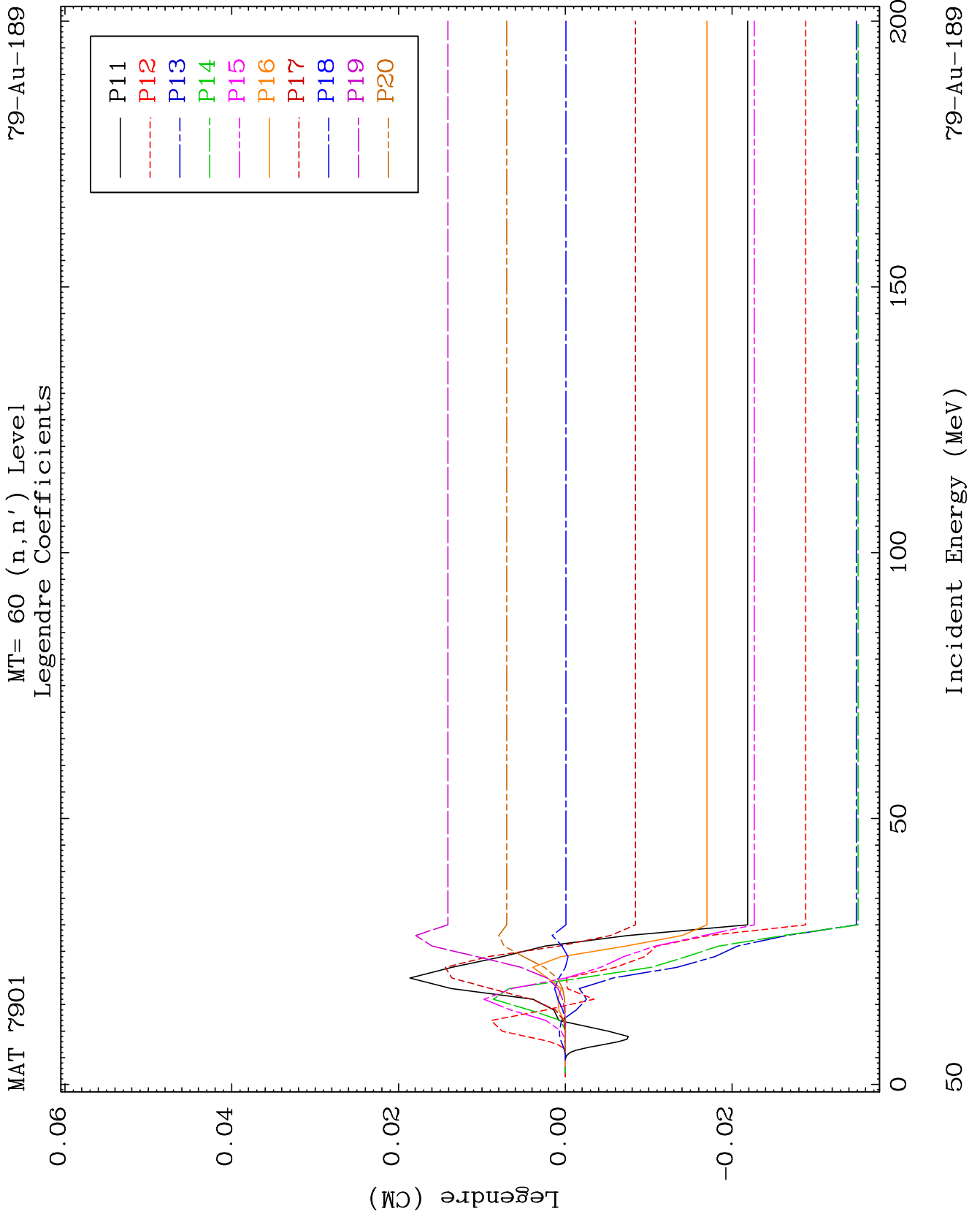
MT= 60 (n,n') Level
Legendre Coefficients

79-Au-189



49

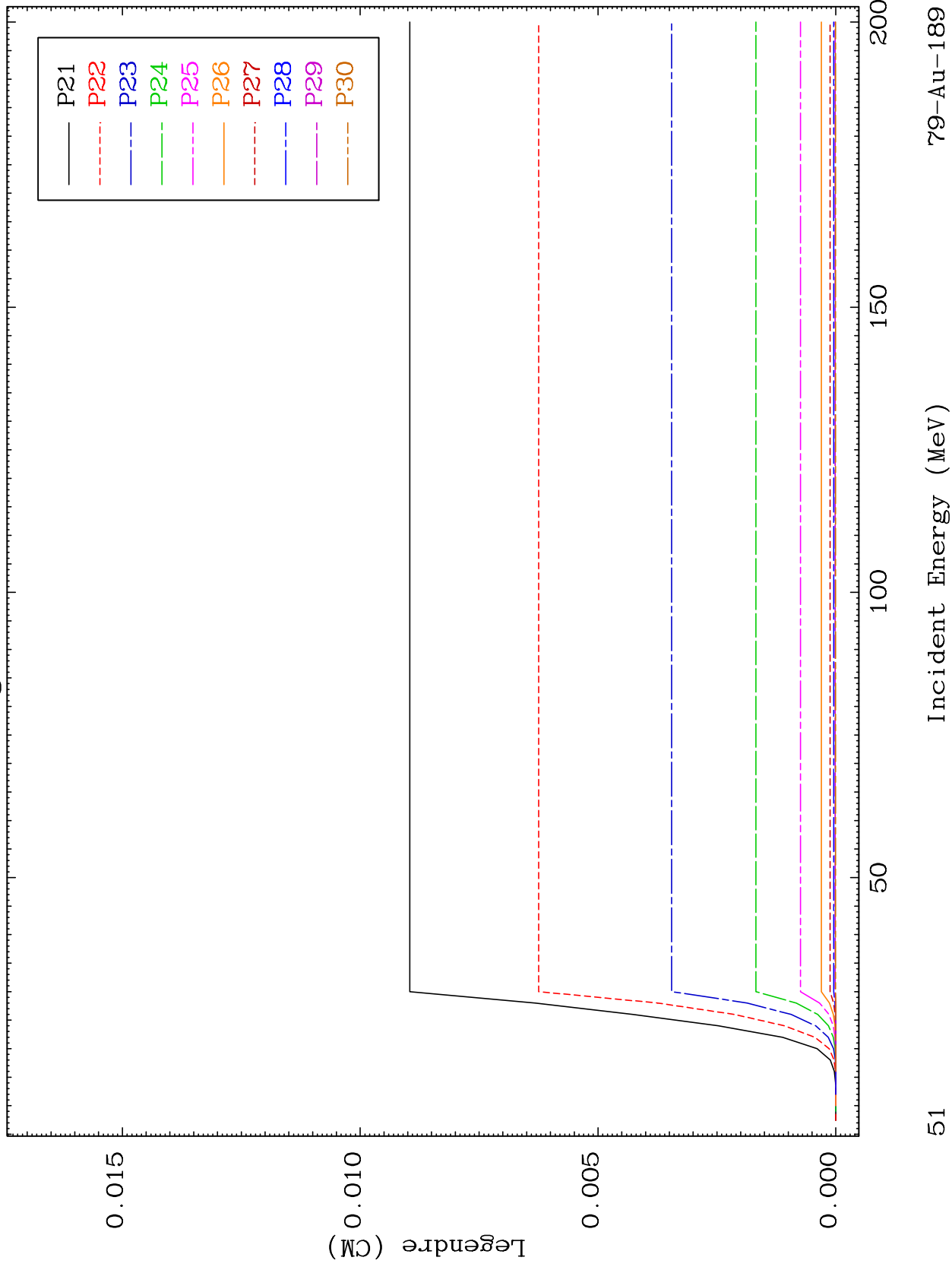
79-Au-189



MAT 7901

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

79-Au-189



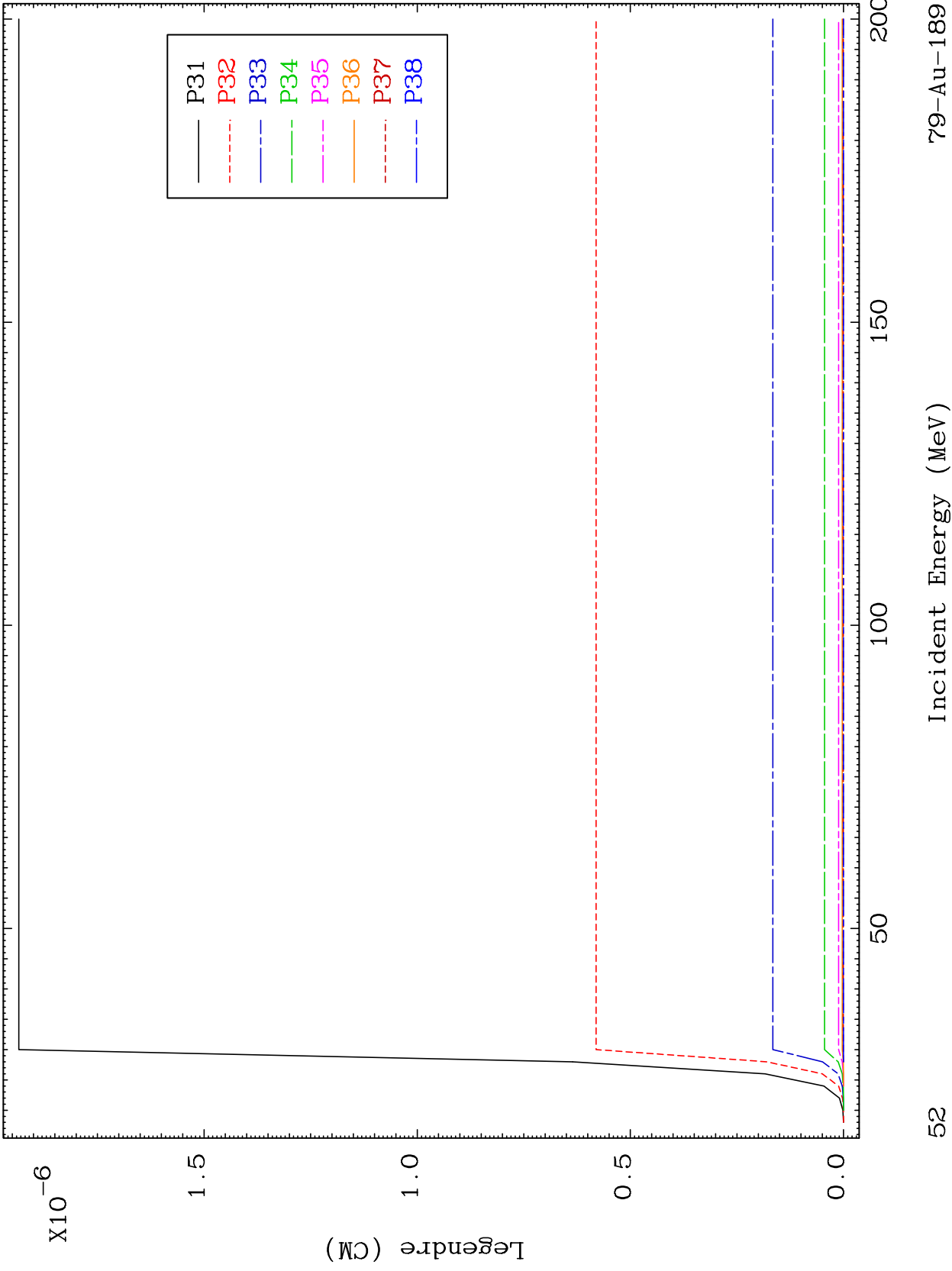
51

79-Au-189

MAT 7901

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

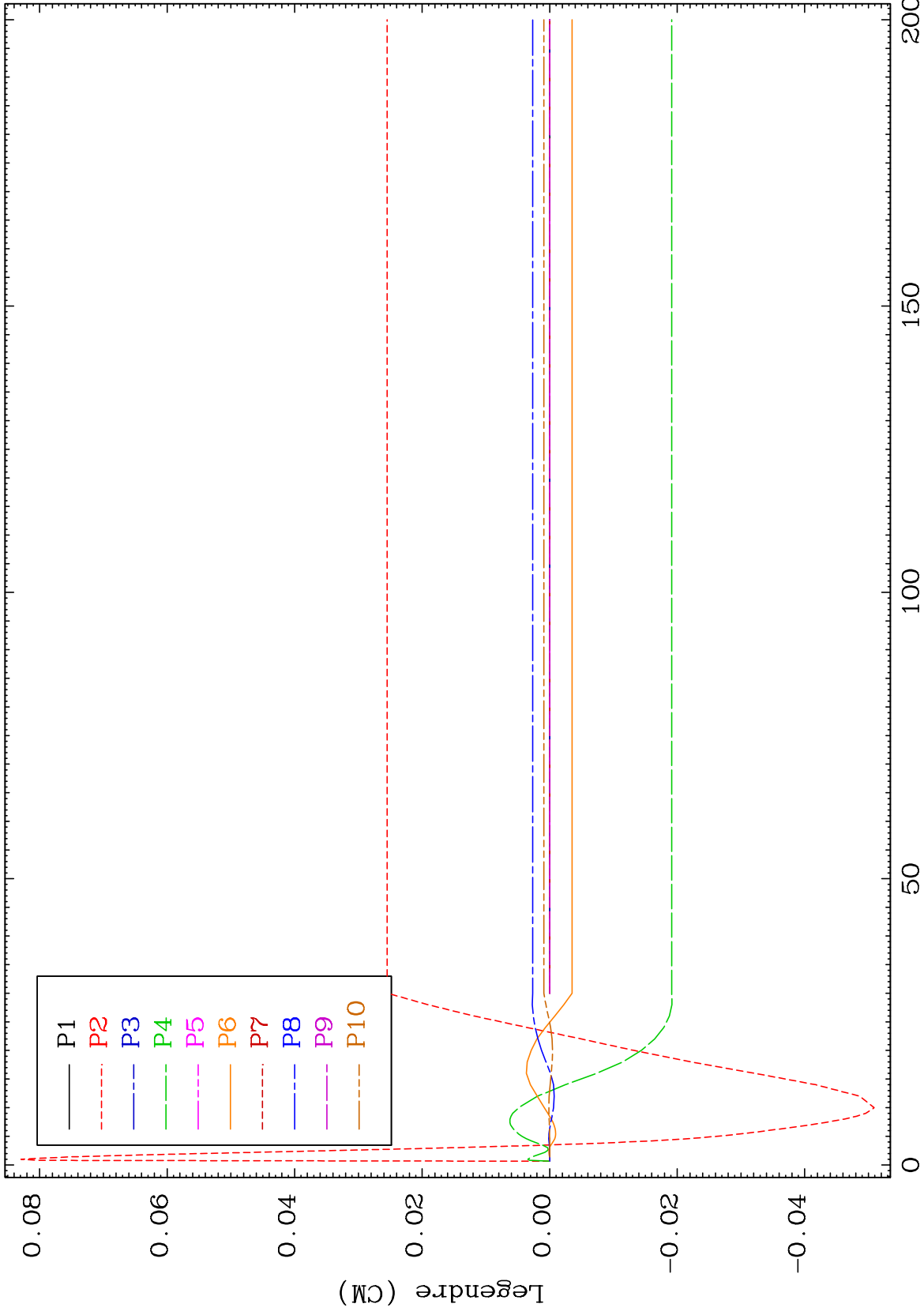
79-Au-189



52

Incident Energy (MeV)

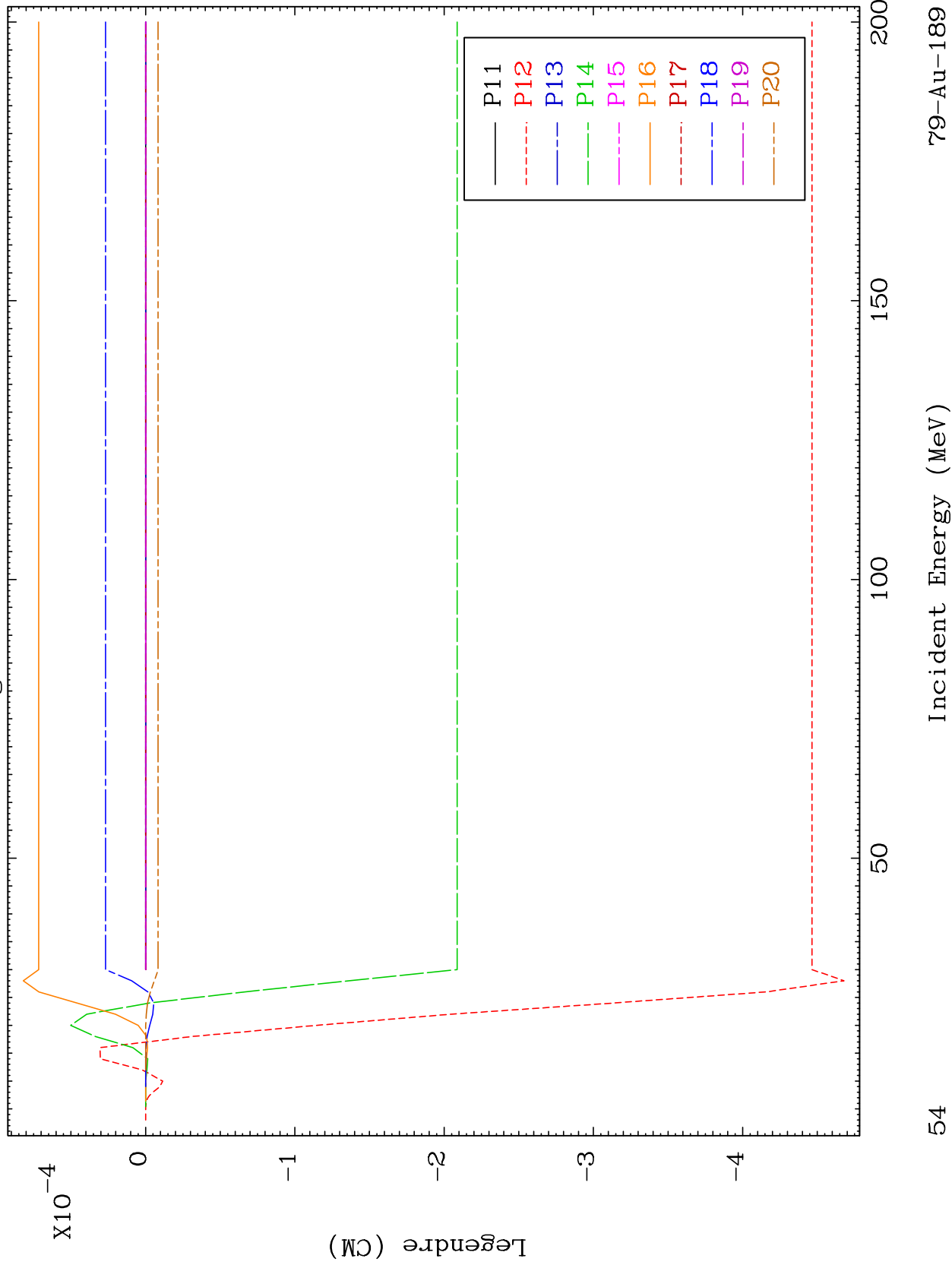
79-Au-189



MAT 7901

79-Au-189

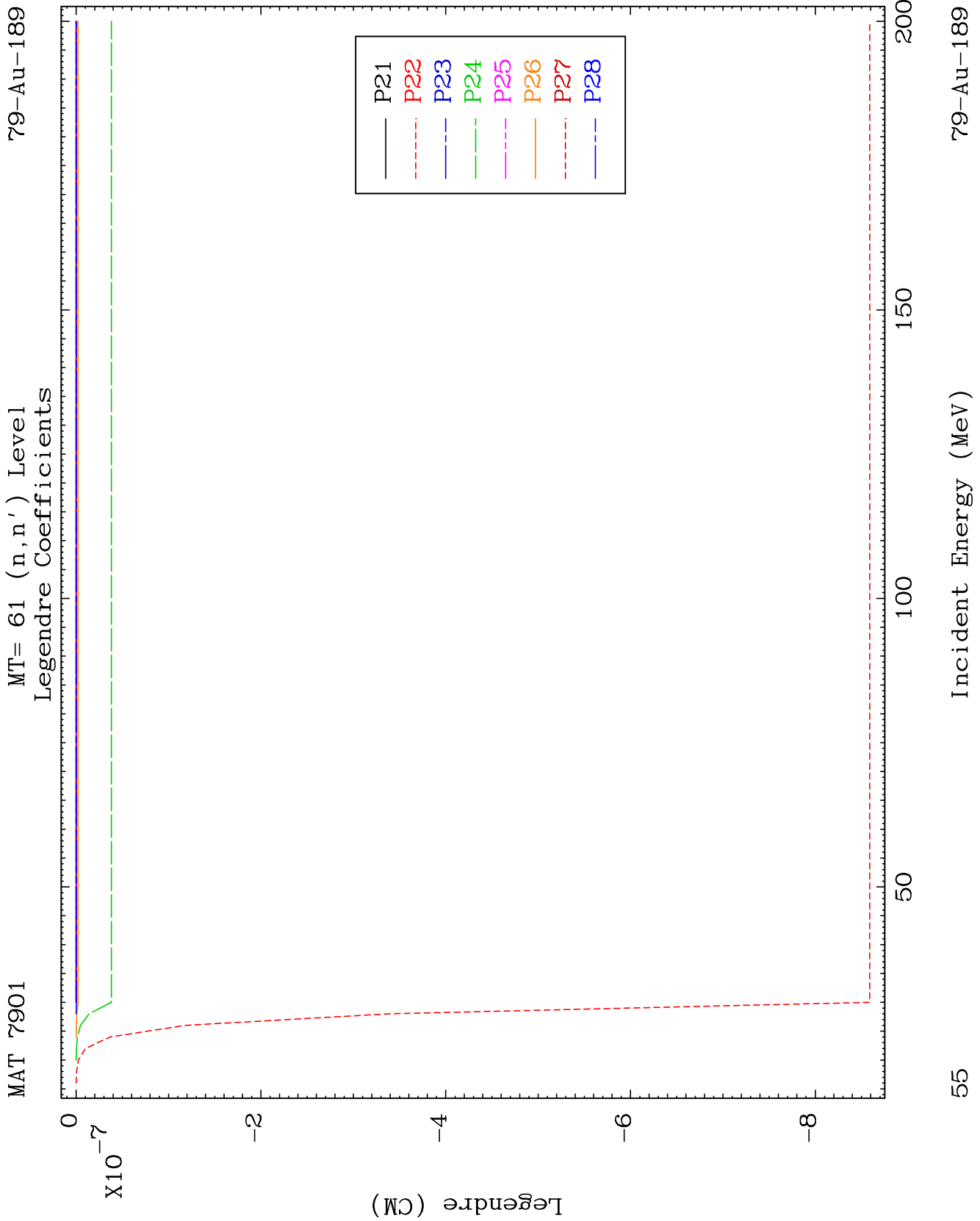
MT= 61 (n,n') Level
Legendre Coefficients

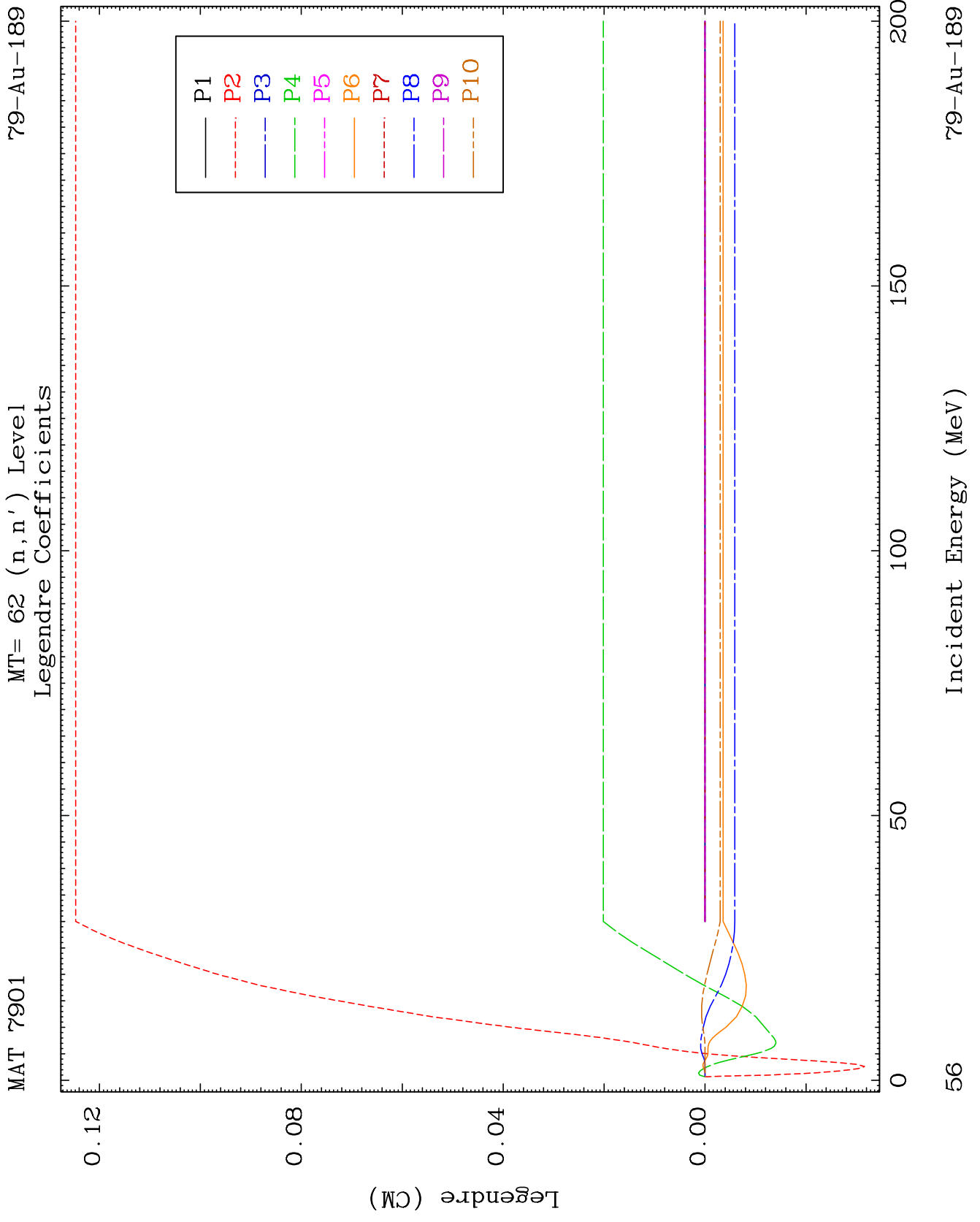


54

Incident Energy (MeV)

79-Au-189

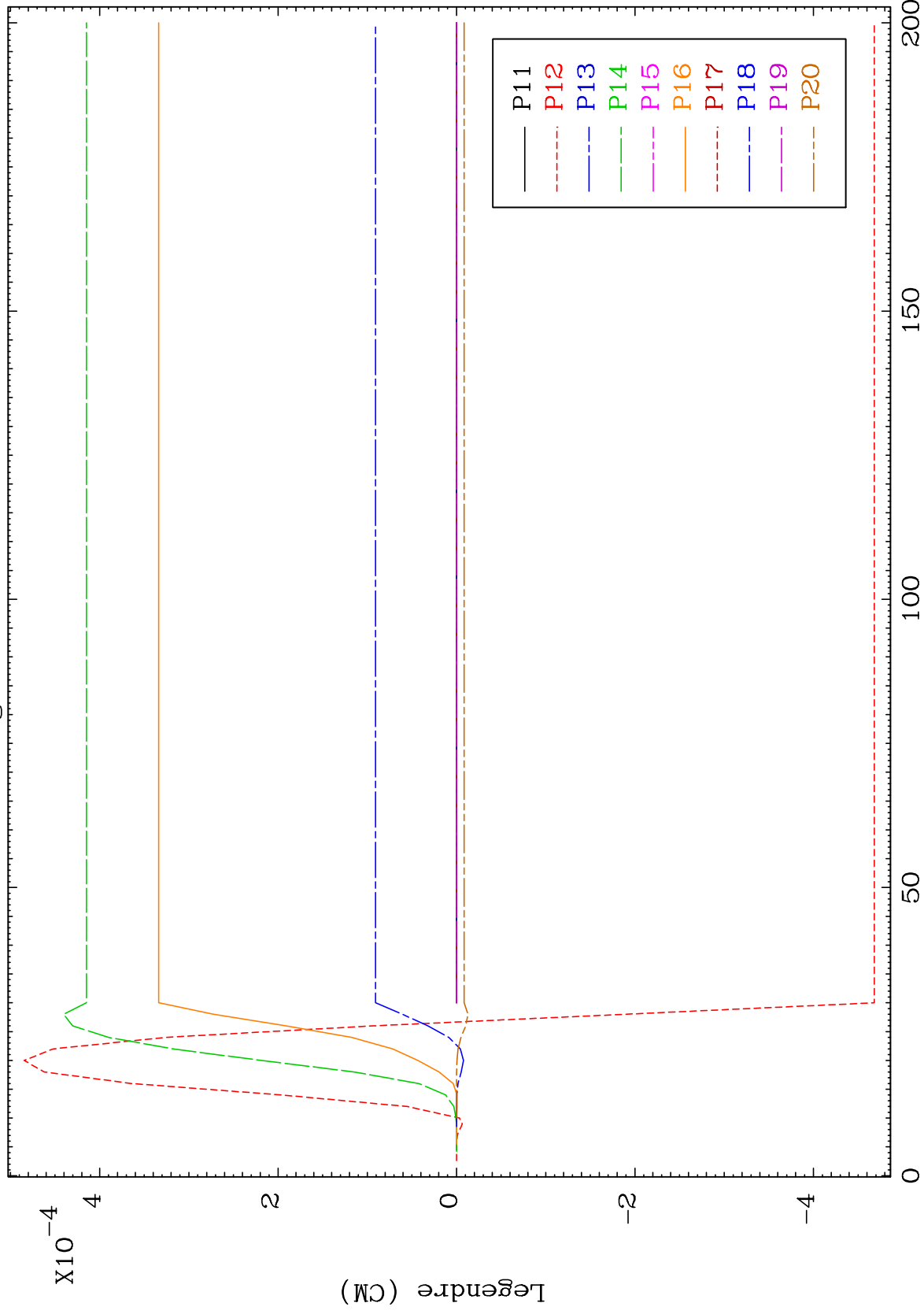




MAT 7901

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

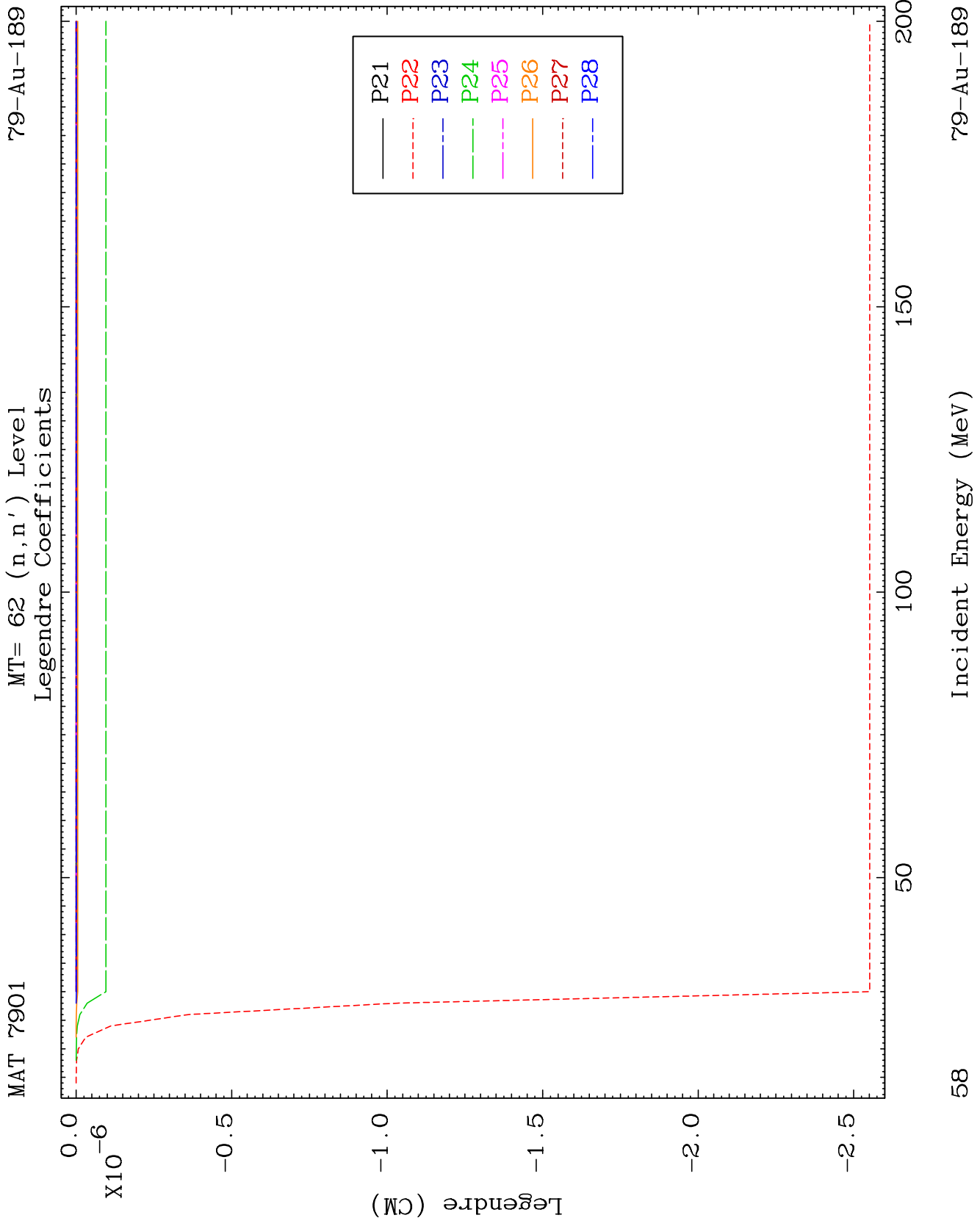
79-Au-189

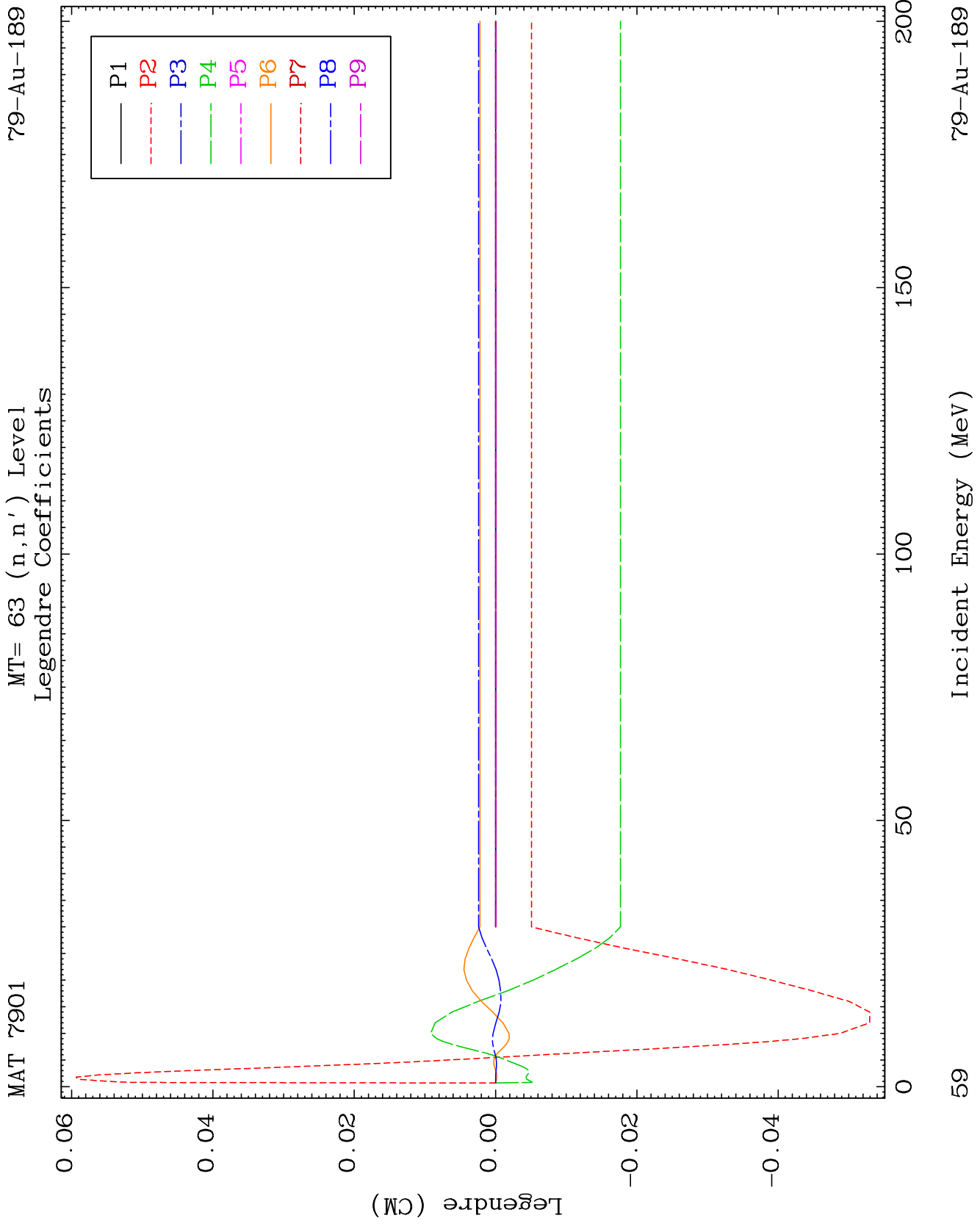


57

Incident Energy (MeV)

79-Au-189

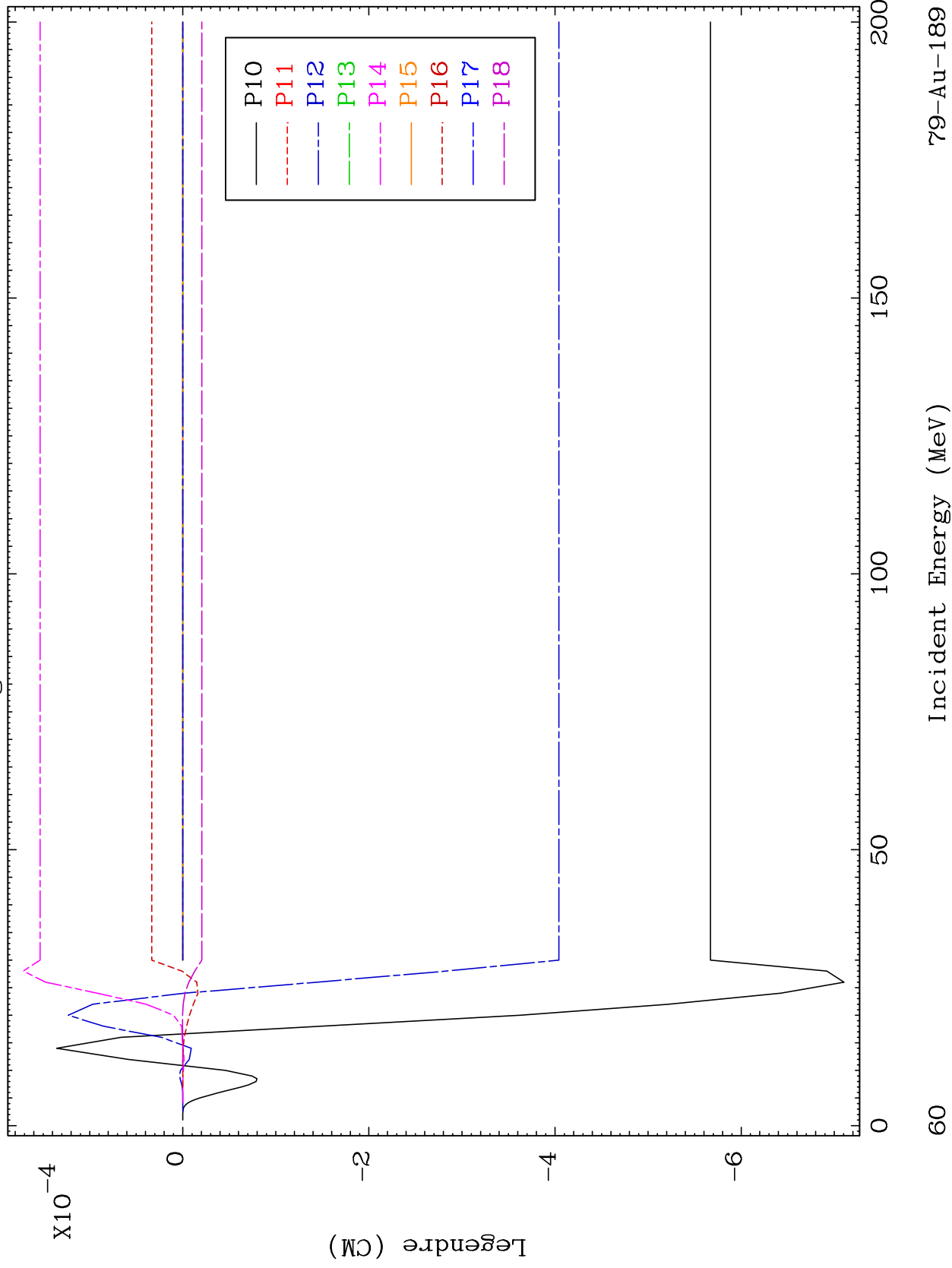




MAT 7901

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

79-Au-189



79-Au-189

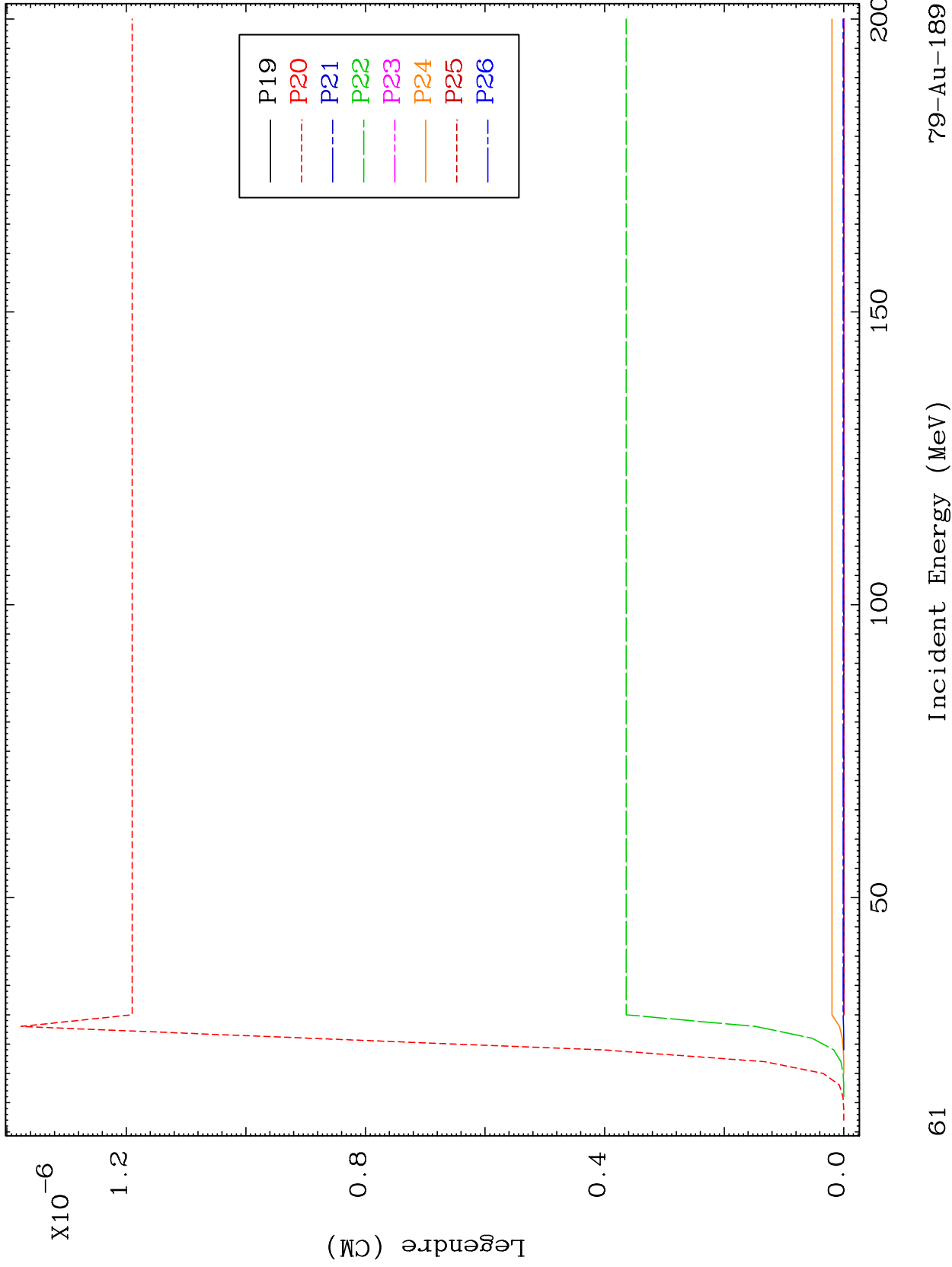
Incident Energy (MeV)

60

MAT 7901

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

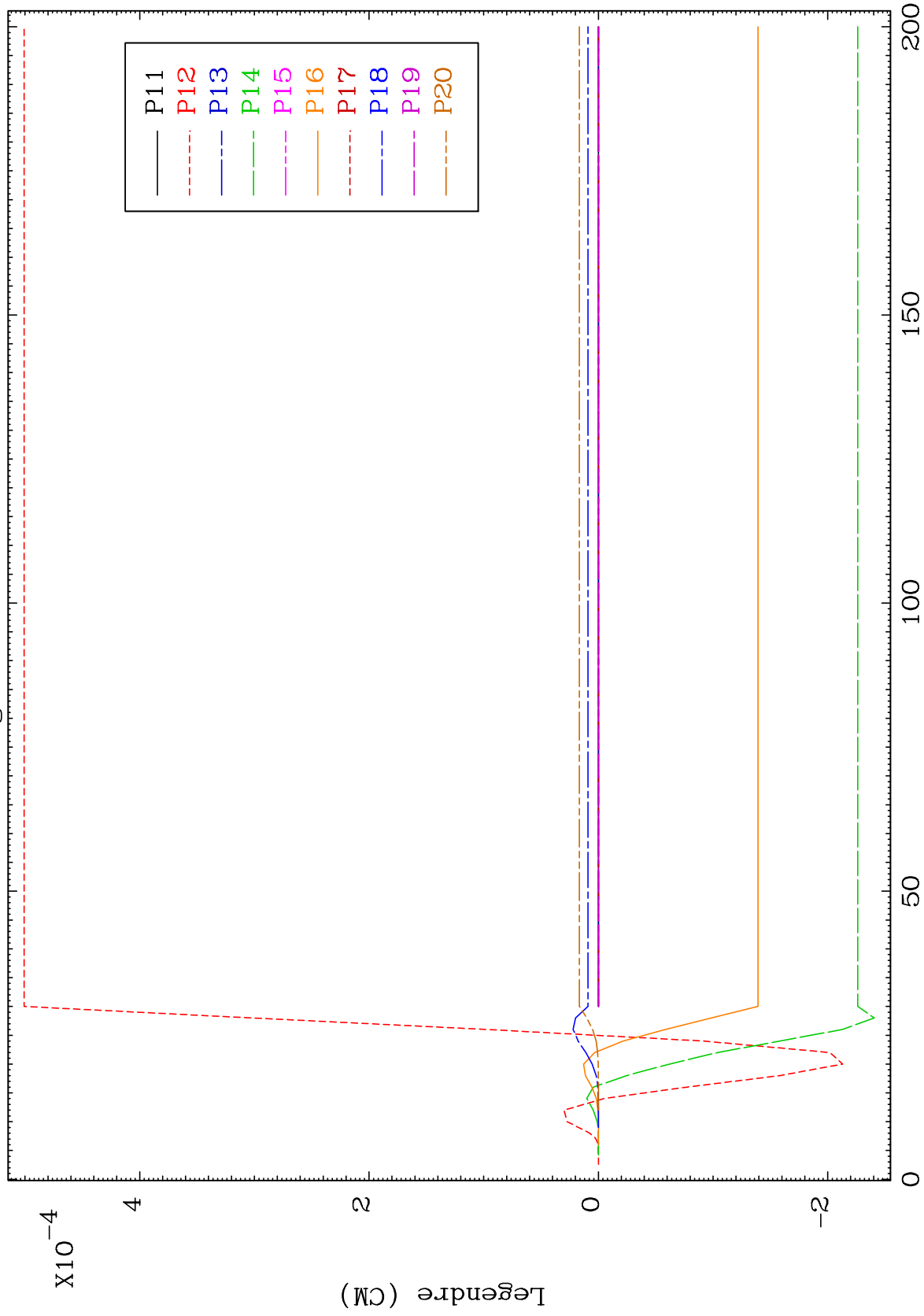
79-Au-189



MAT 7901

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

79-Au-189



63

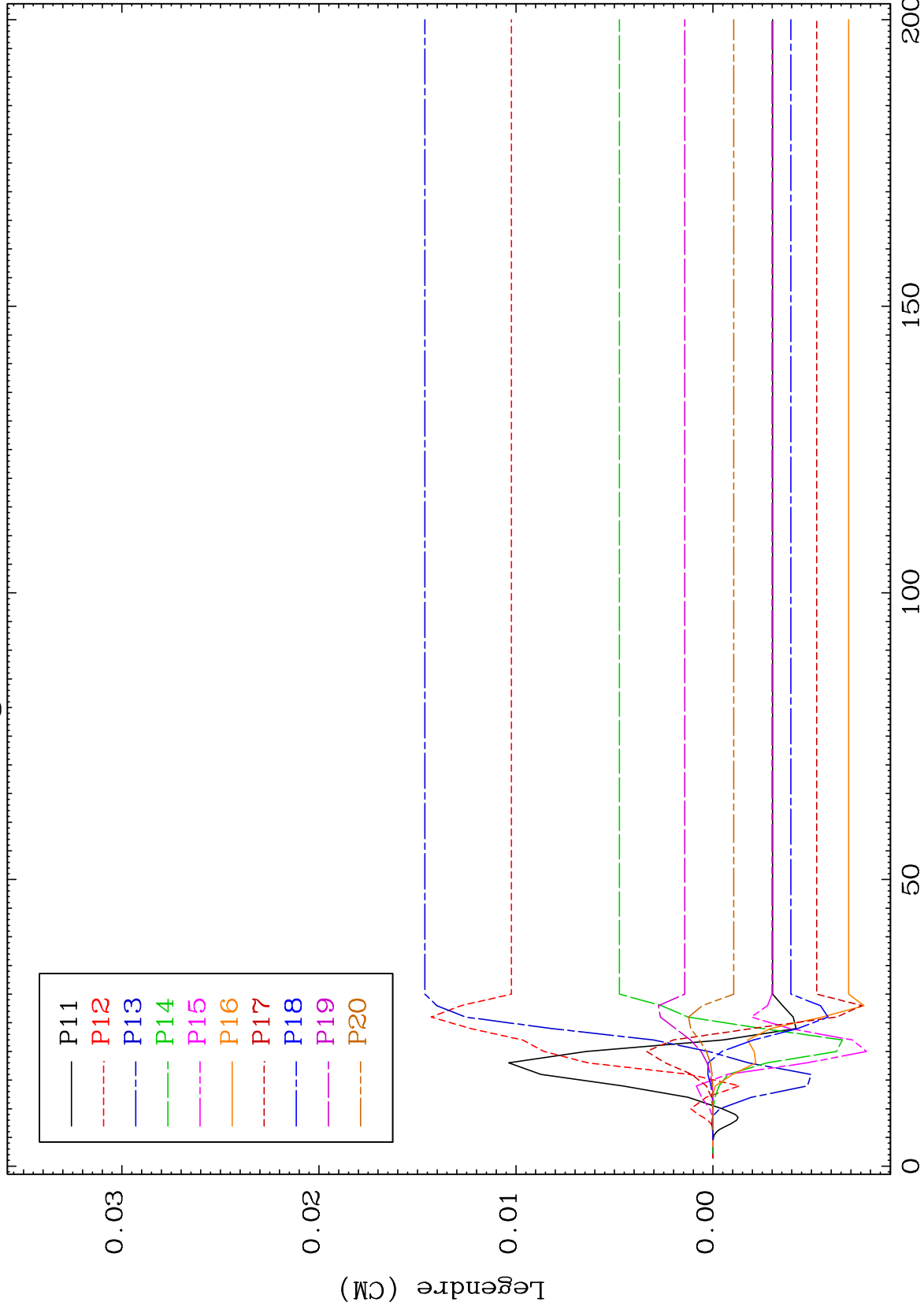
Incident Energy (MeV)

79-Au-189

MAT 7901

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

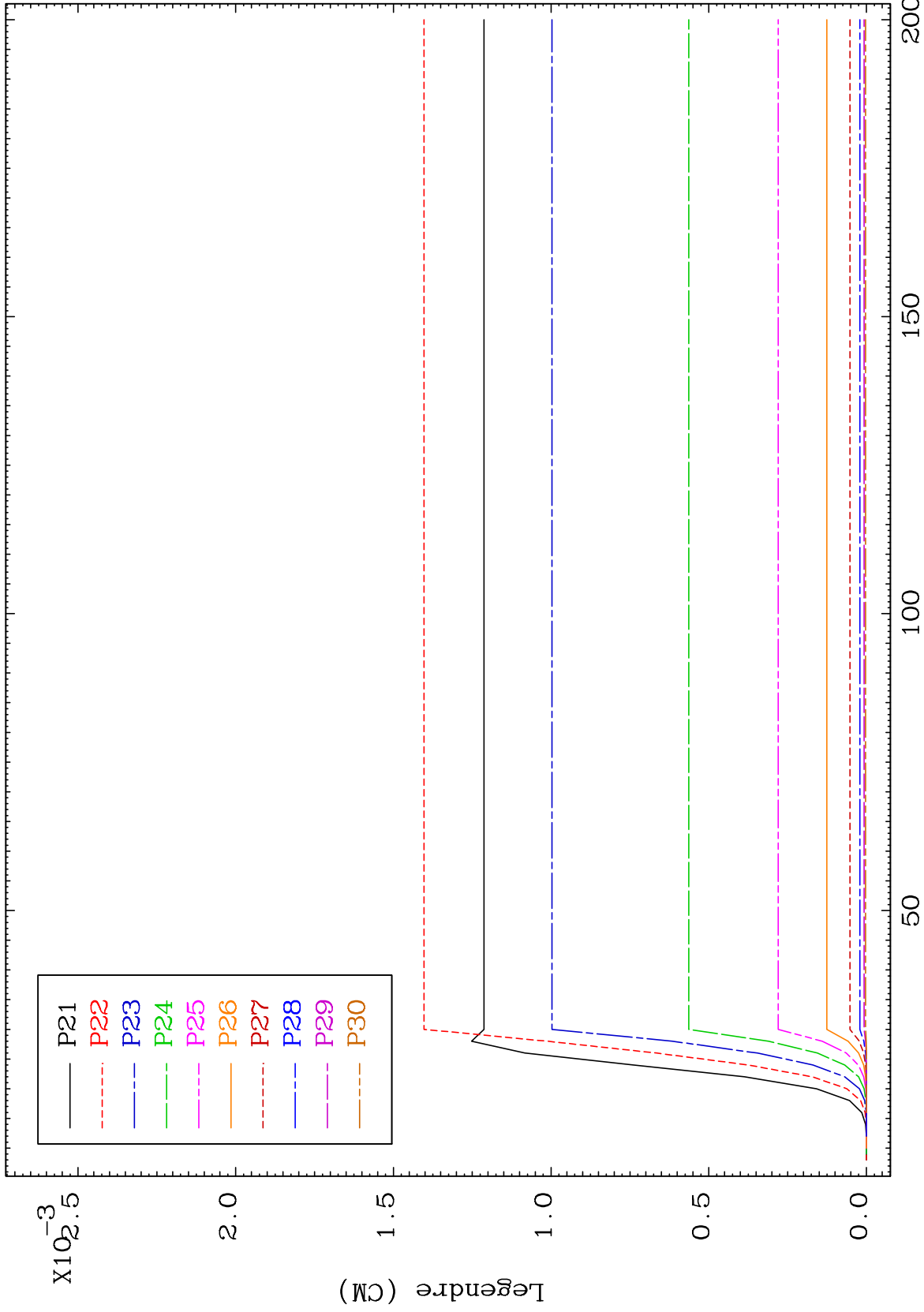
79-Au-189



66

Incident Energy (MeV)

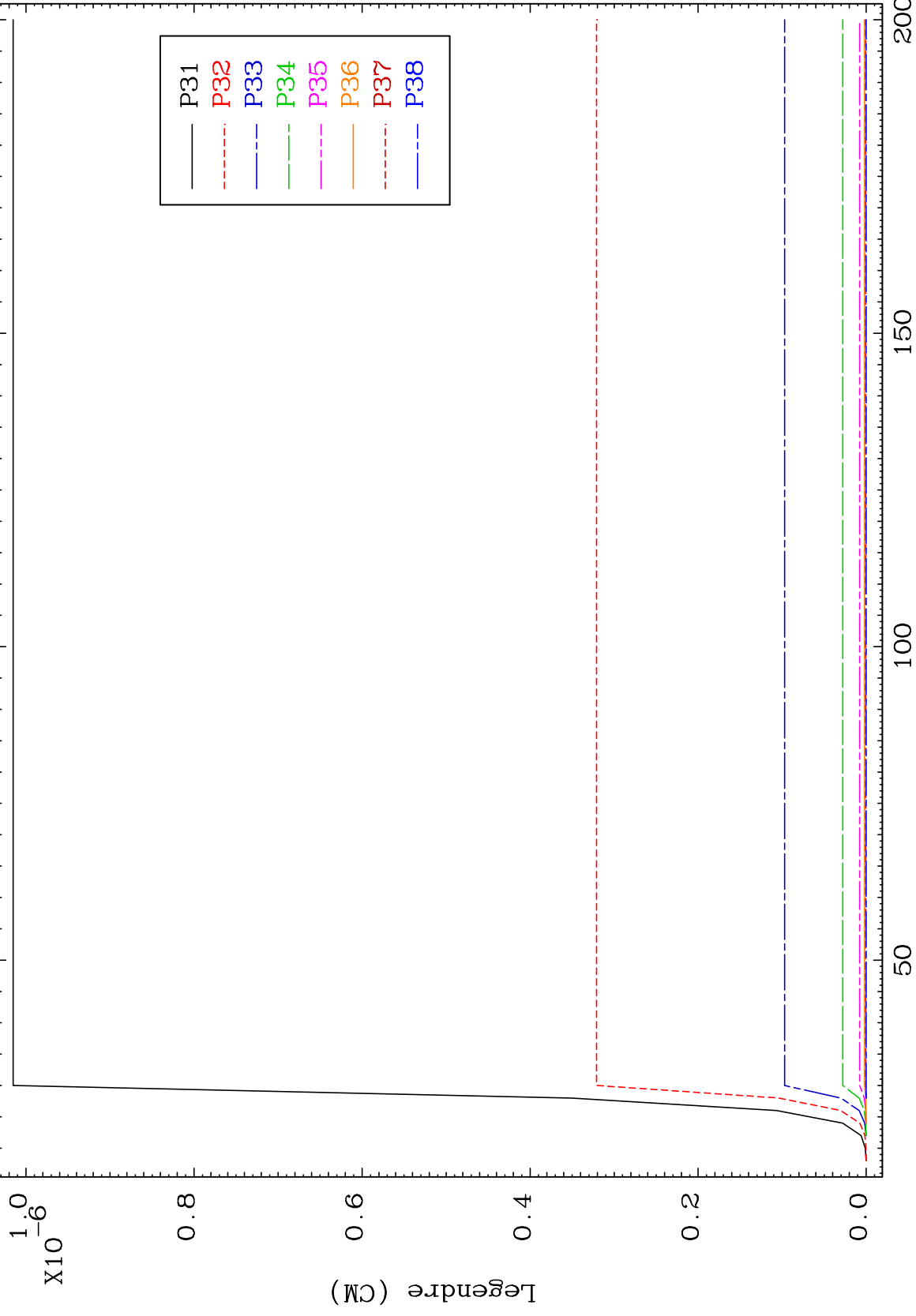
79-Au-189



MAT 7901

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

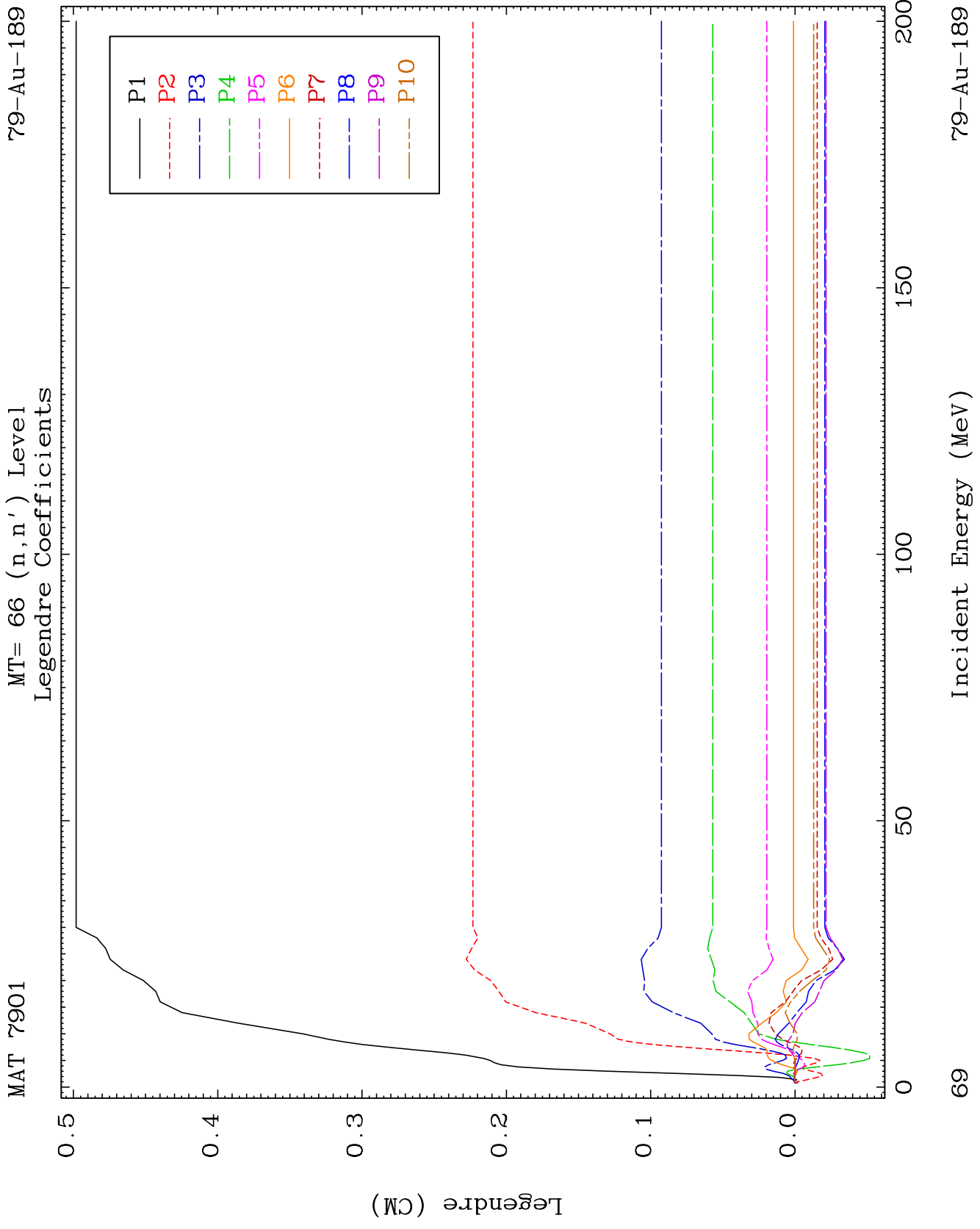
79-Au-189



68

Incident Energy (MeV)

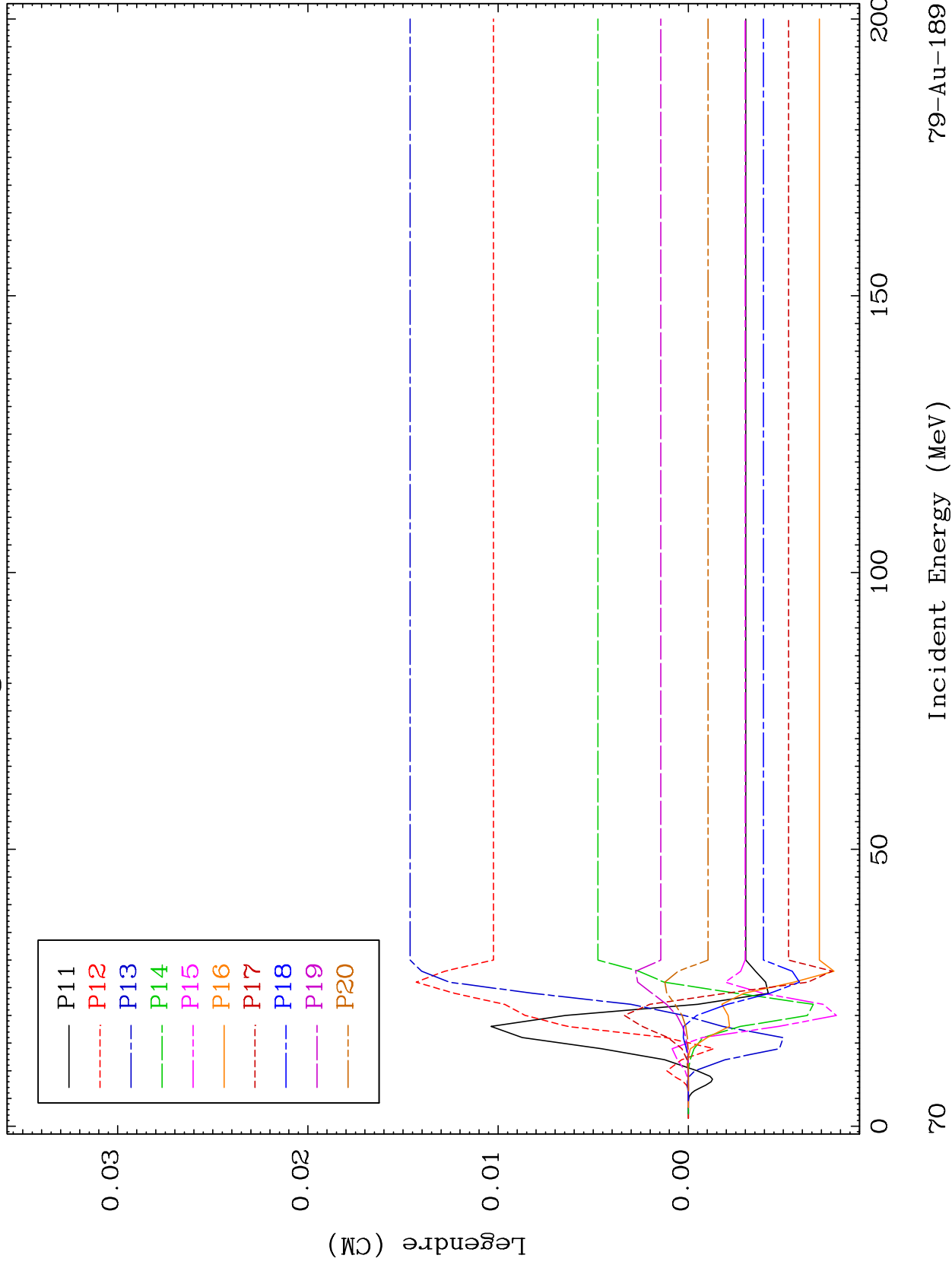
79-Au-189



MAT 7901

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

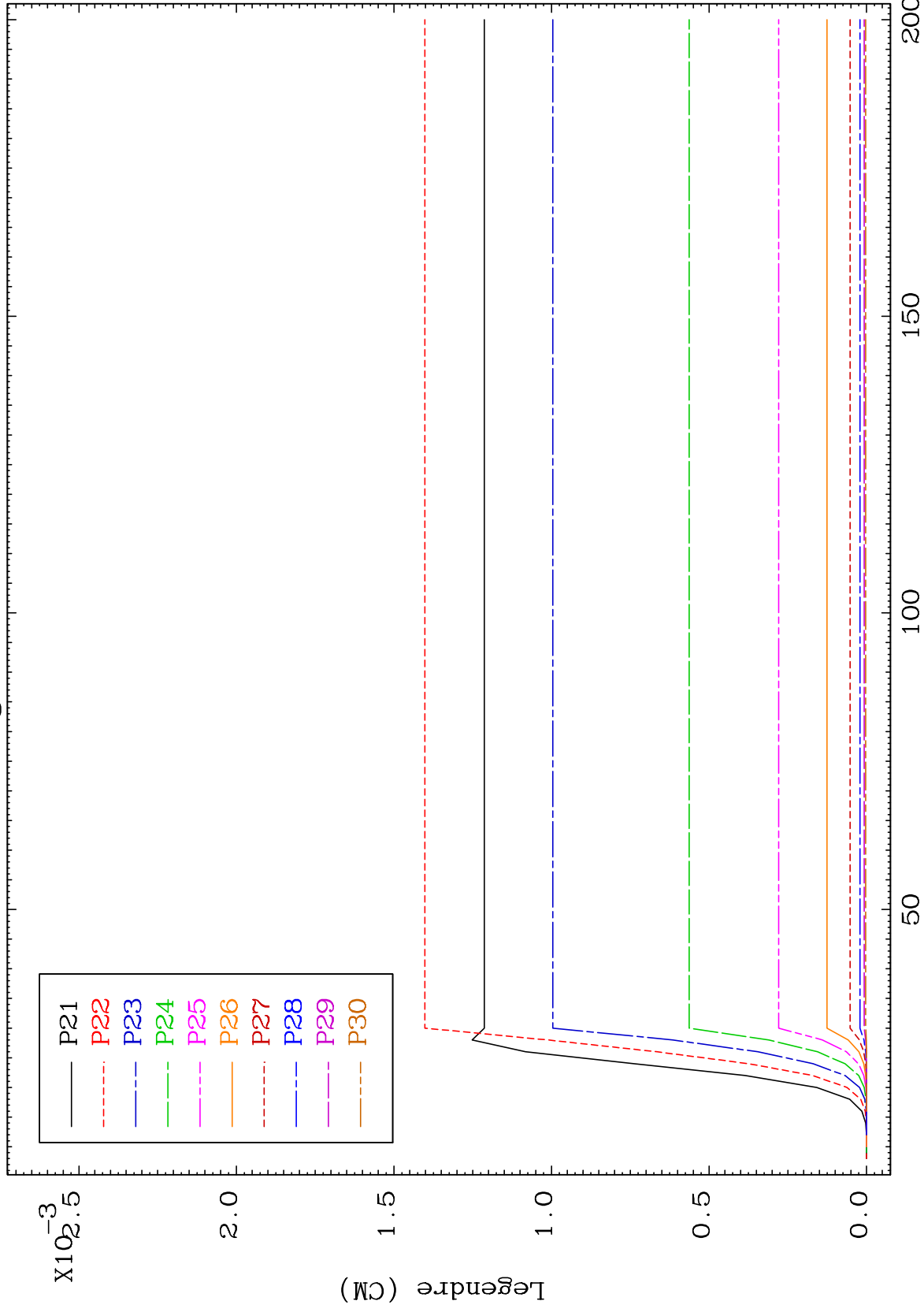
79-Au-189



79-Au-189

Incident Energy (MeV)

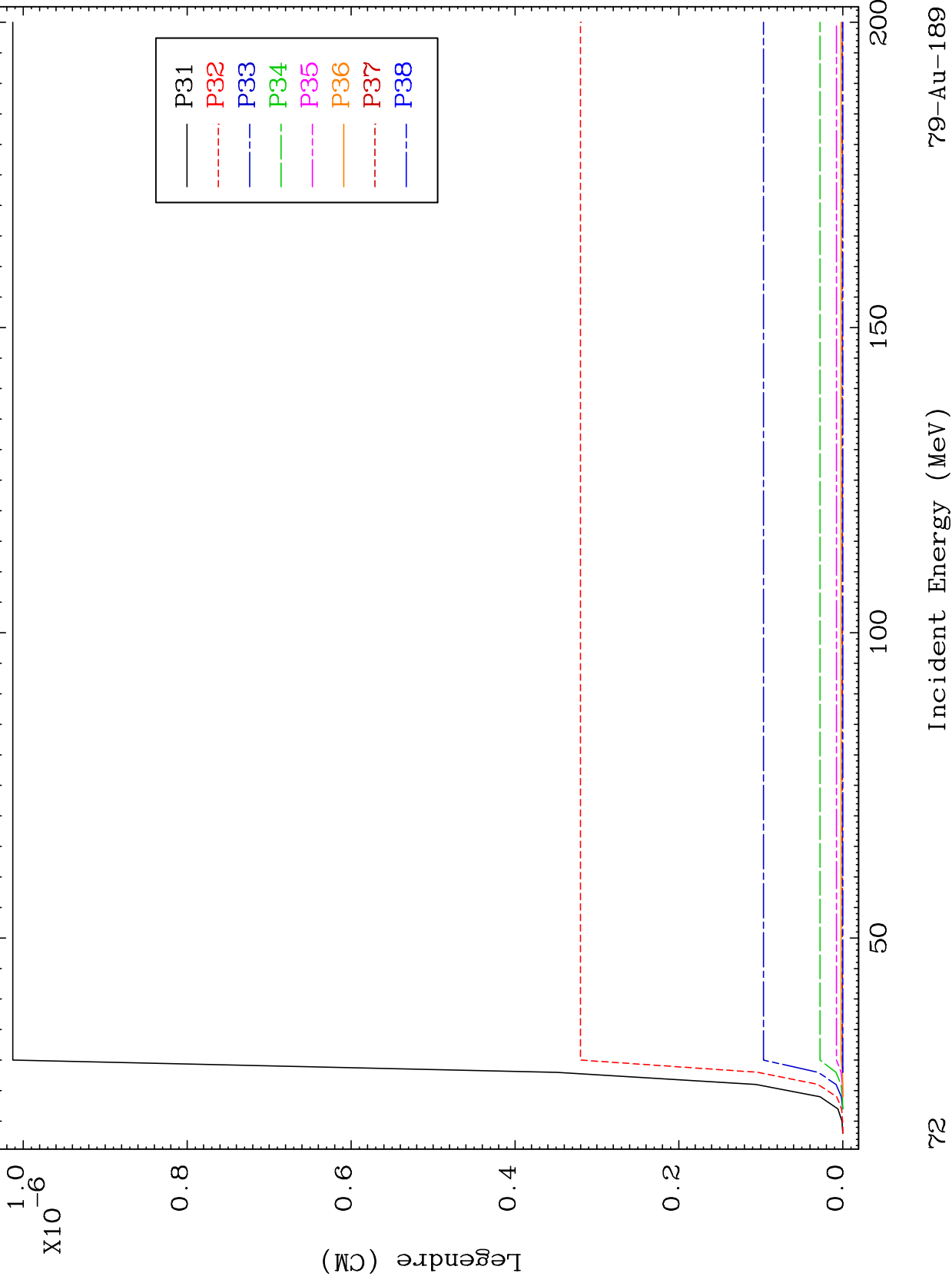
70



MAT 7901

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

79-Au-189



72

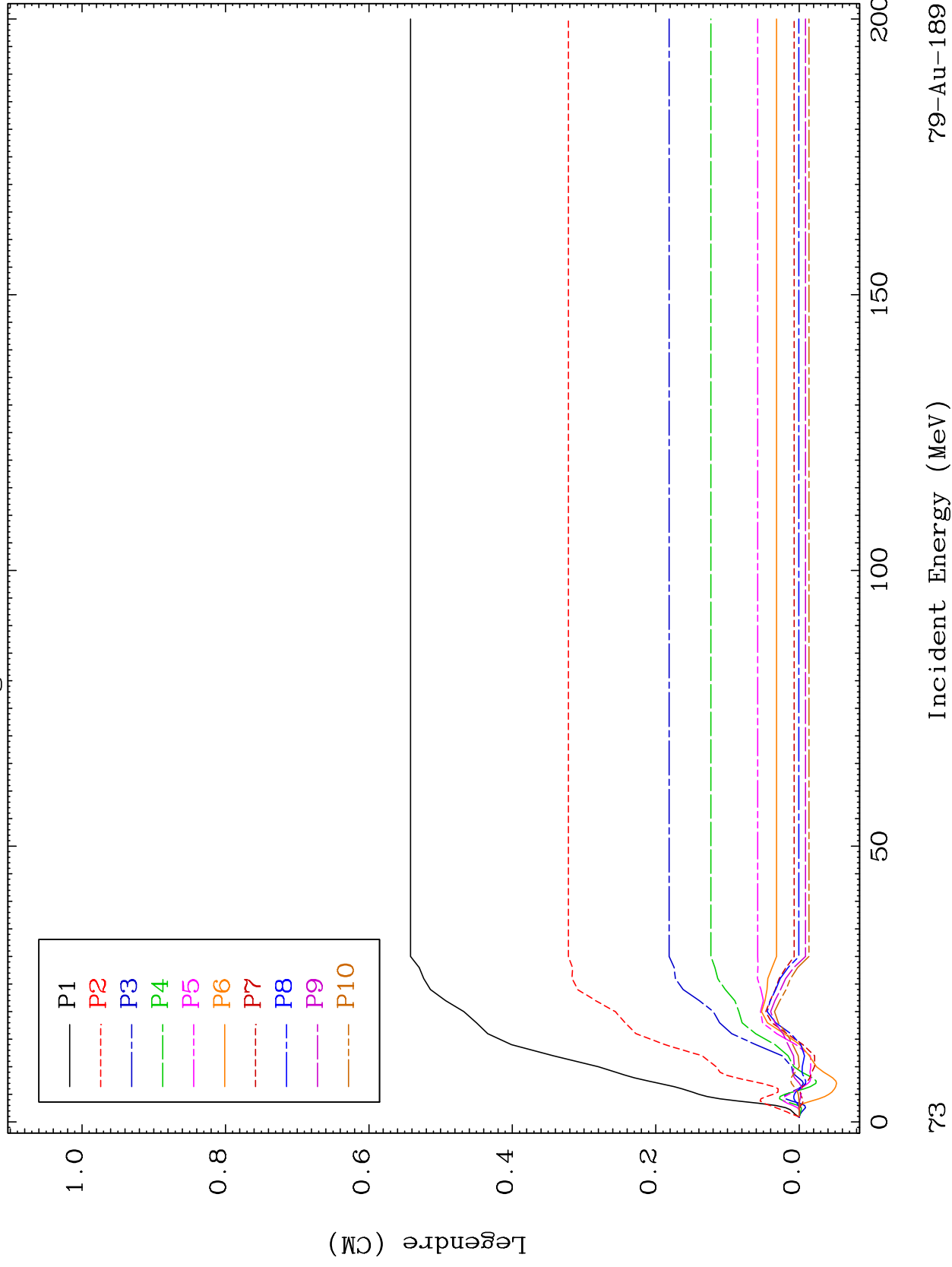
Incident Energy (MeV)

79-Au-189

MAT 7901

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

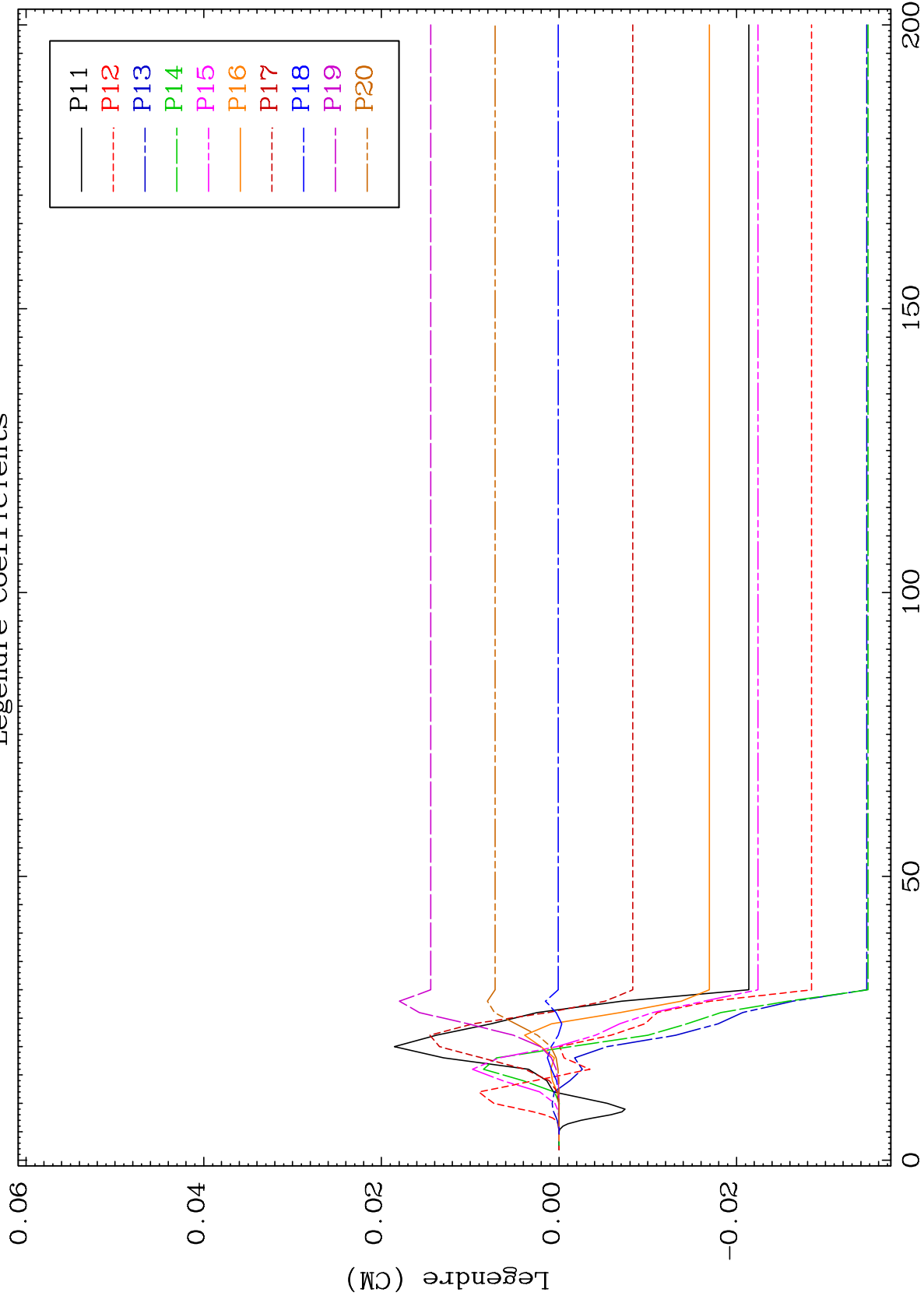
79-Au-189



MAT 7901

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

79-Au-189



74

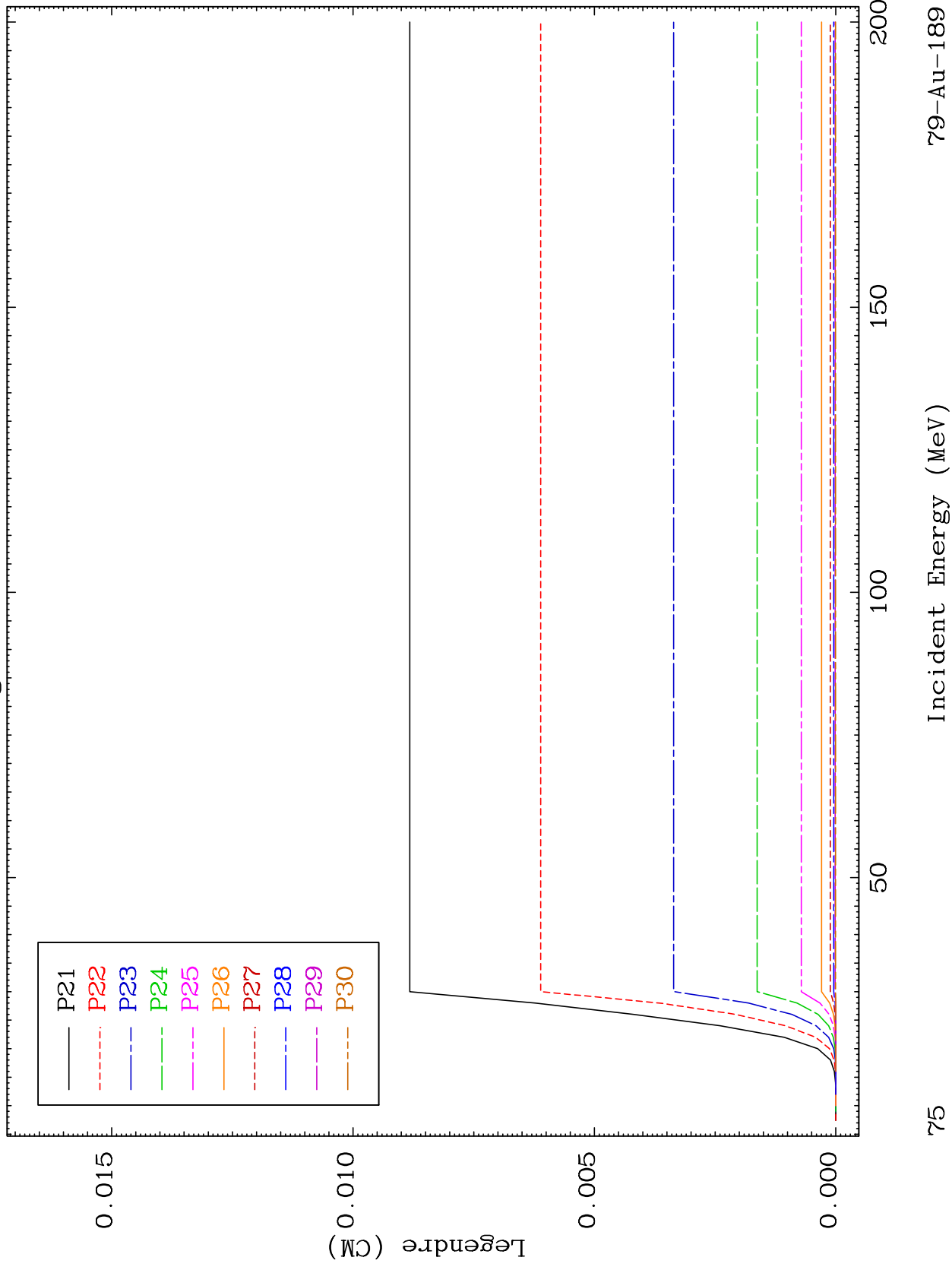
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



75

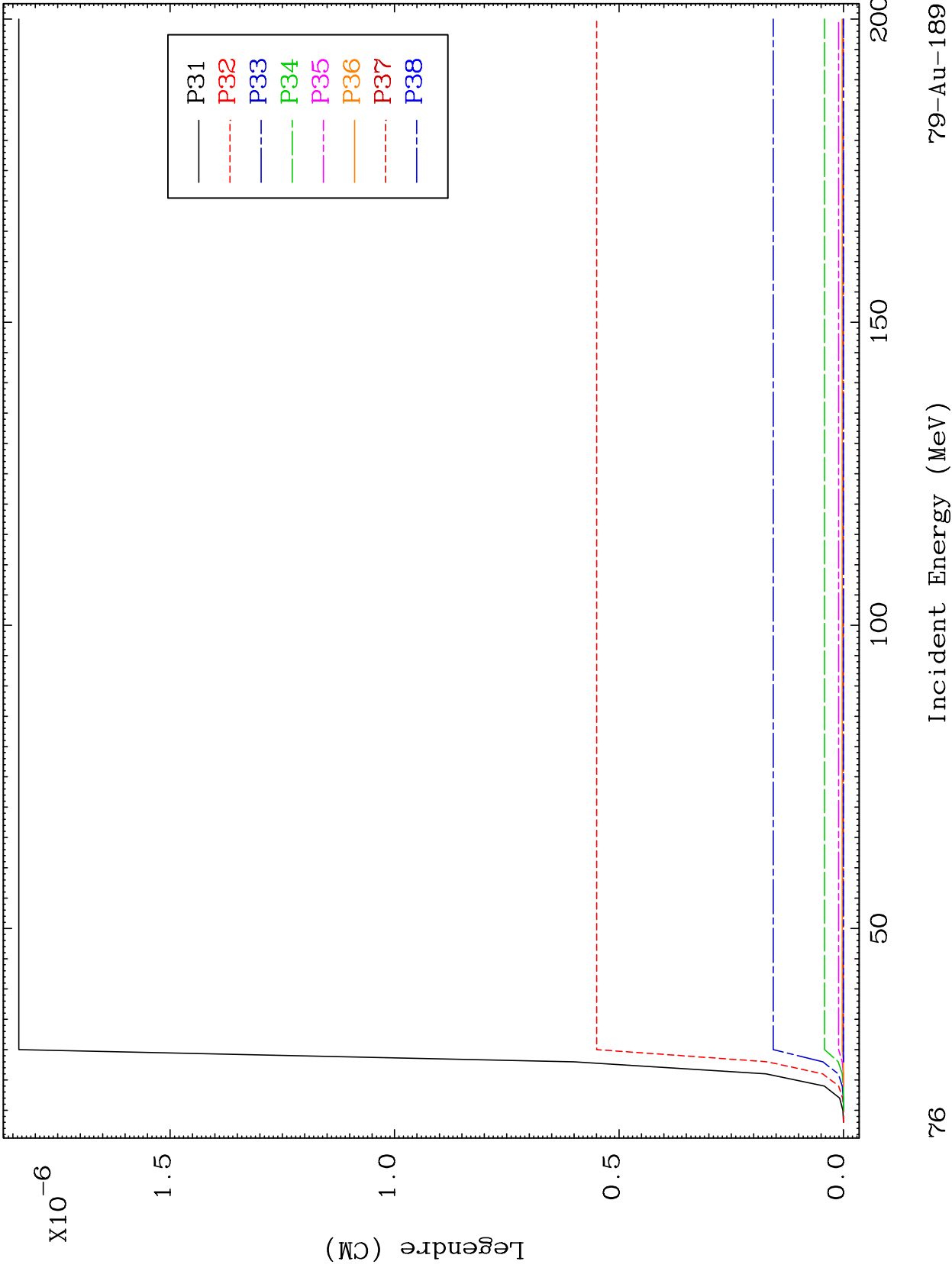
Incident Energy (MeV)

79-Au-189

MAT 7901

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

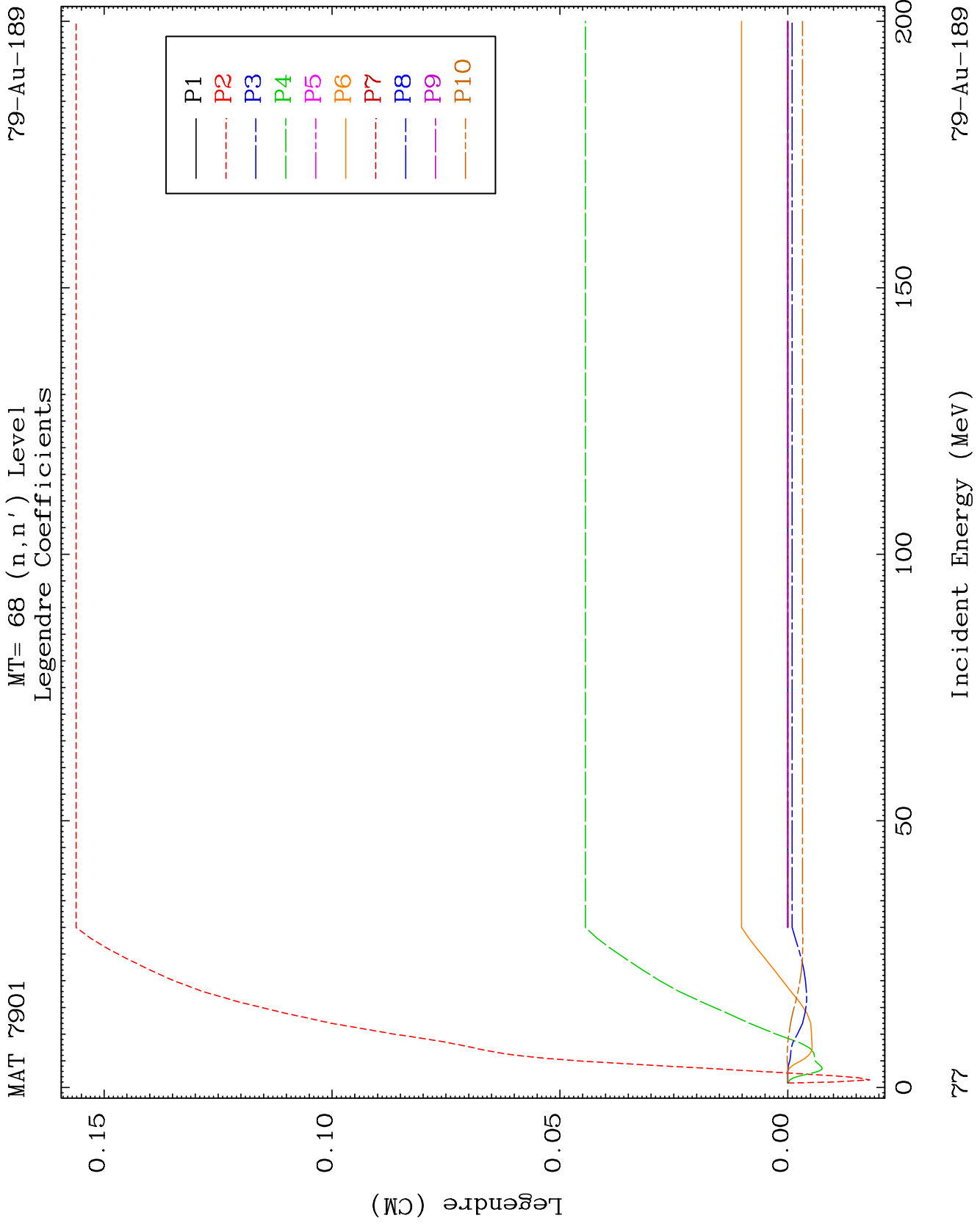
79-Au-189



76

Incident Energy (MeV)

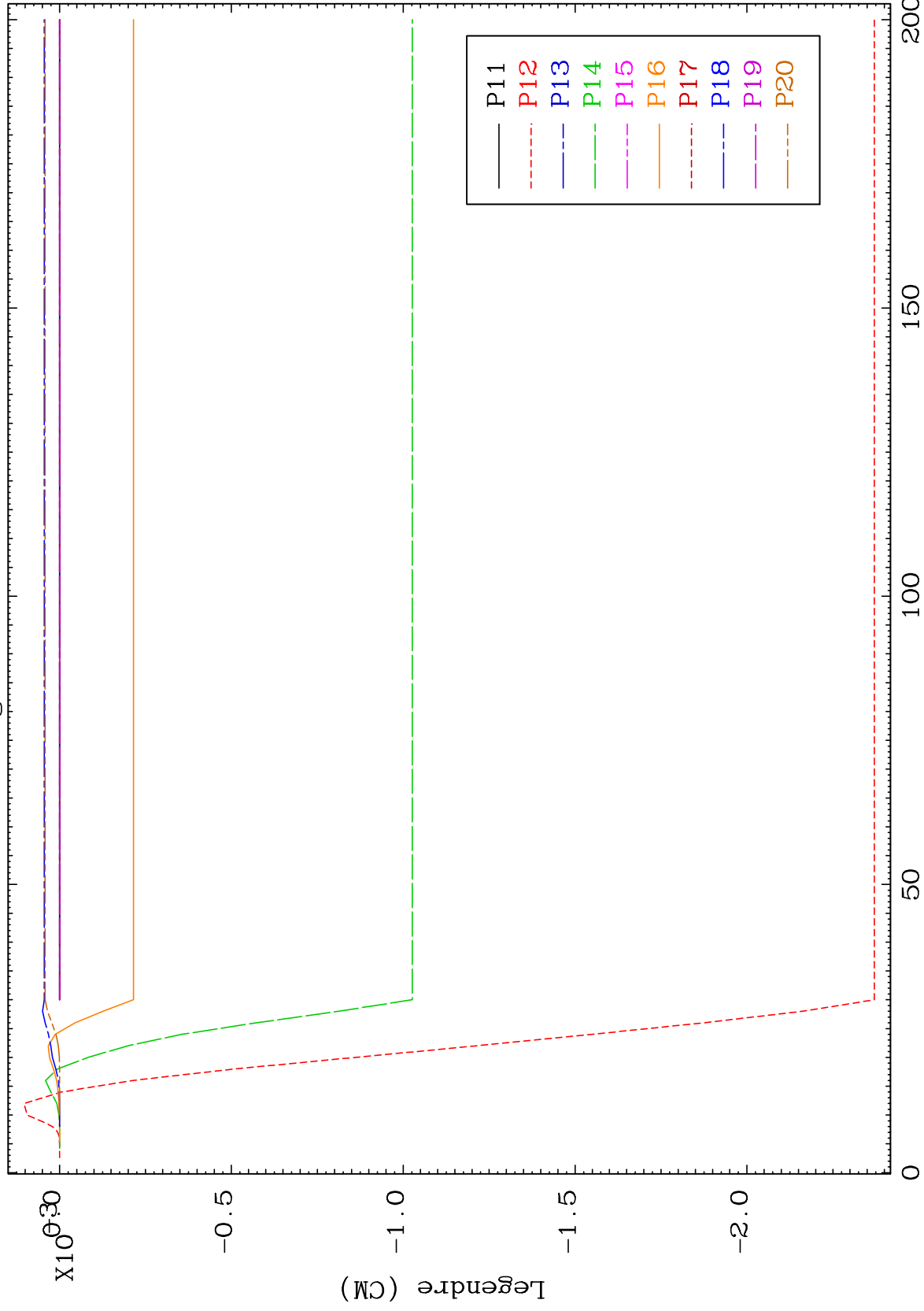
79-Au-189



MAT 7901

79-Au-189

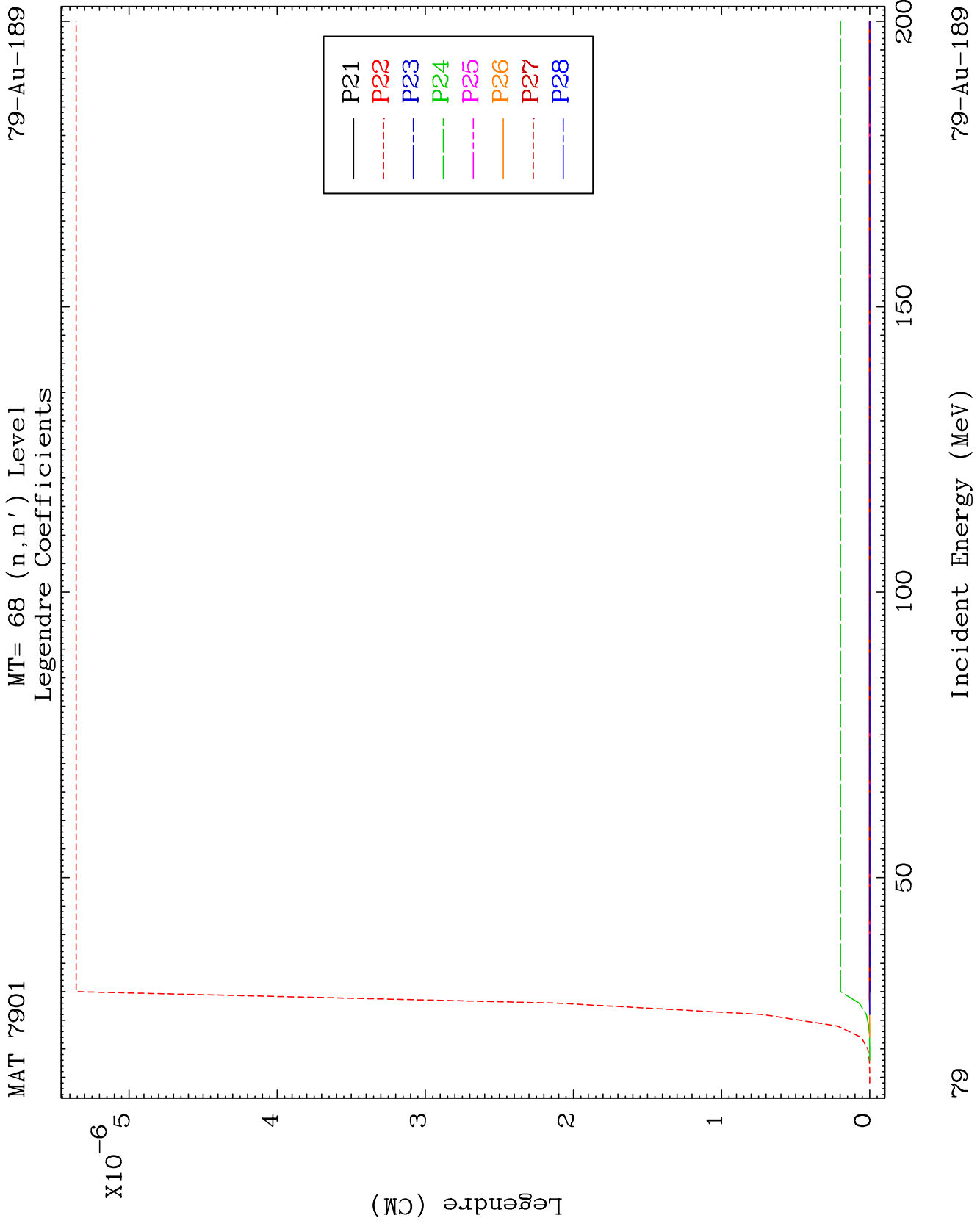
MT= 68 (n,n') Level
Legendre Coefficients



78

Incident Energy (MeV)

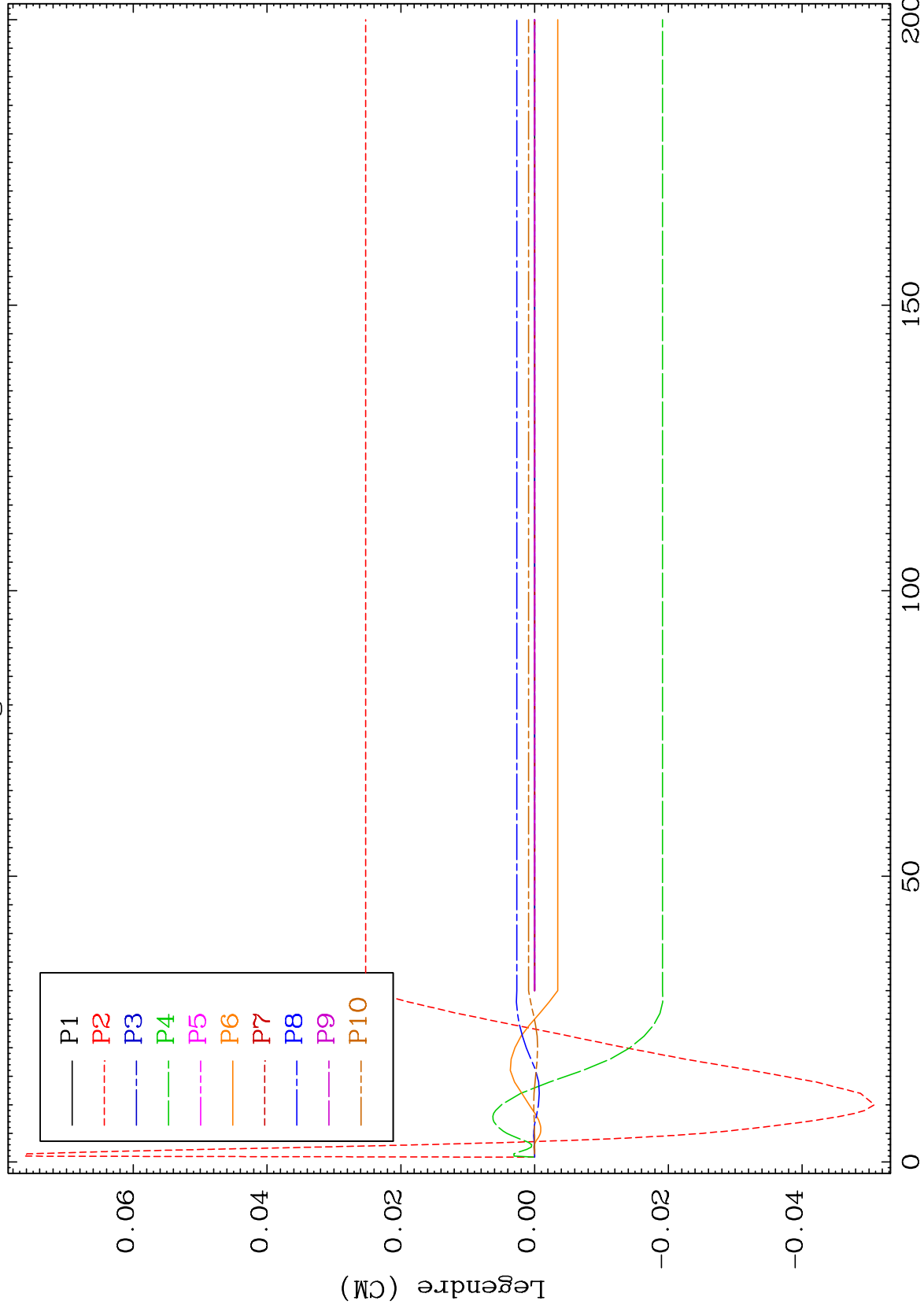
79-Au-189



MAT 7901

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

79-Au-189



79-Au-189

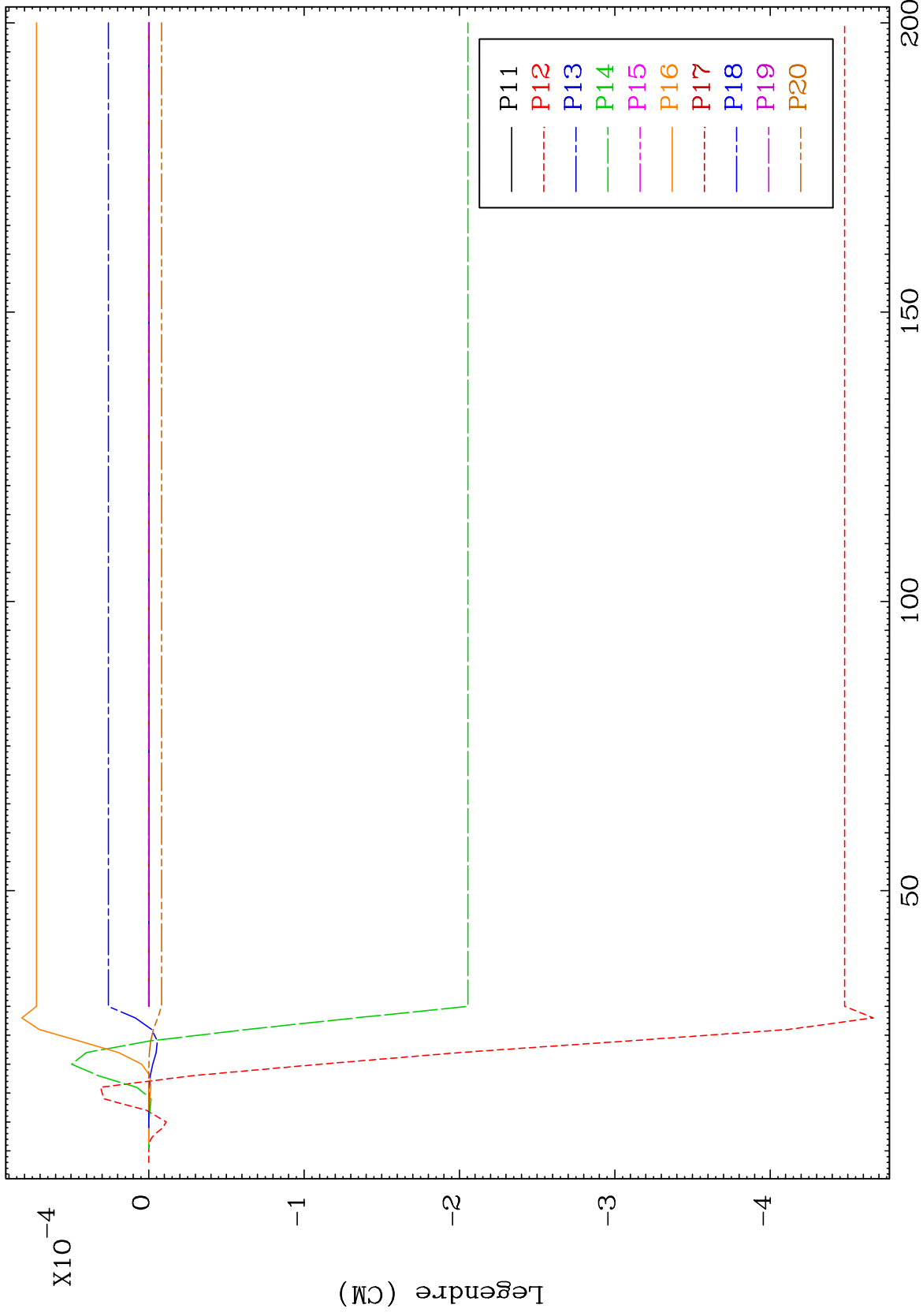
Incident Energy (MeV)

80

MAT 7901

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

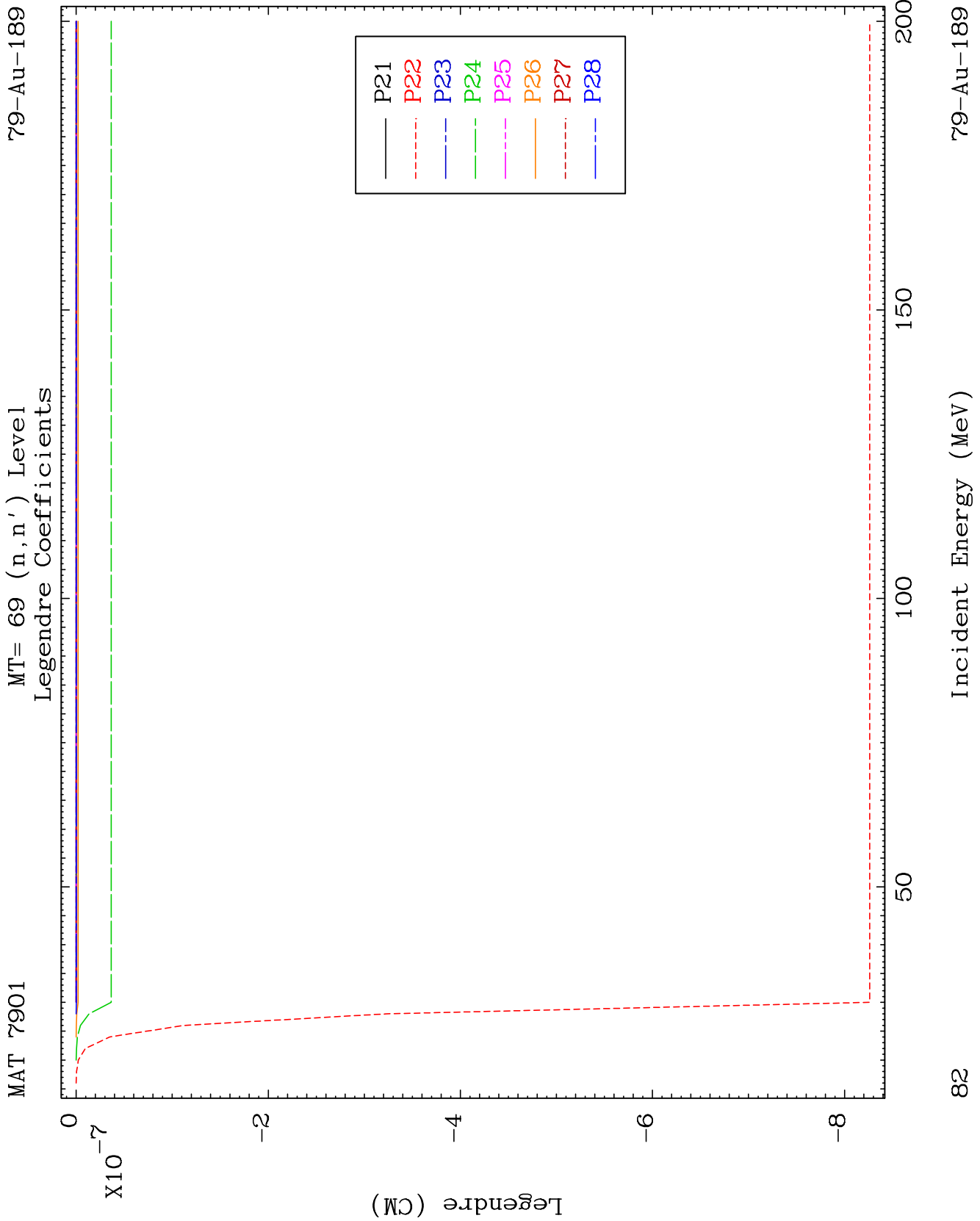
79-Au-189

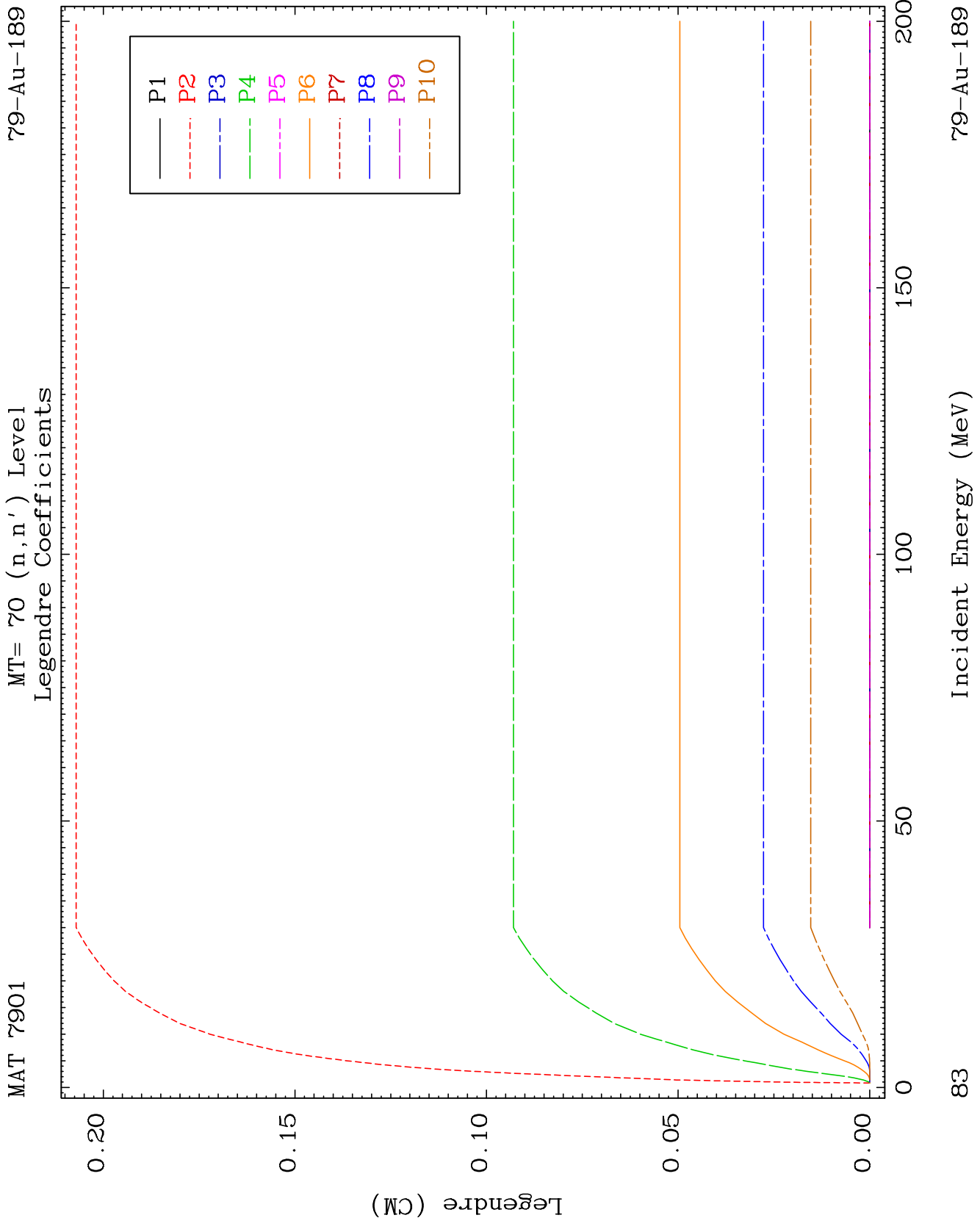


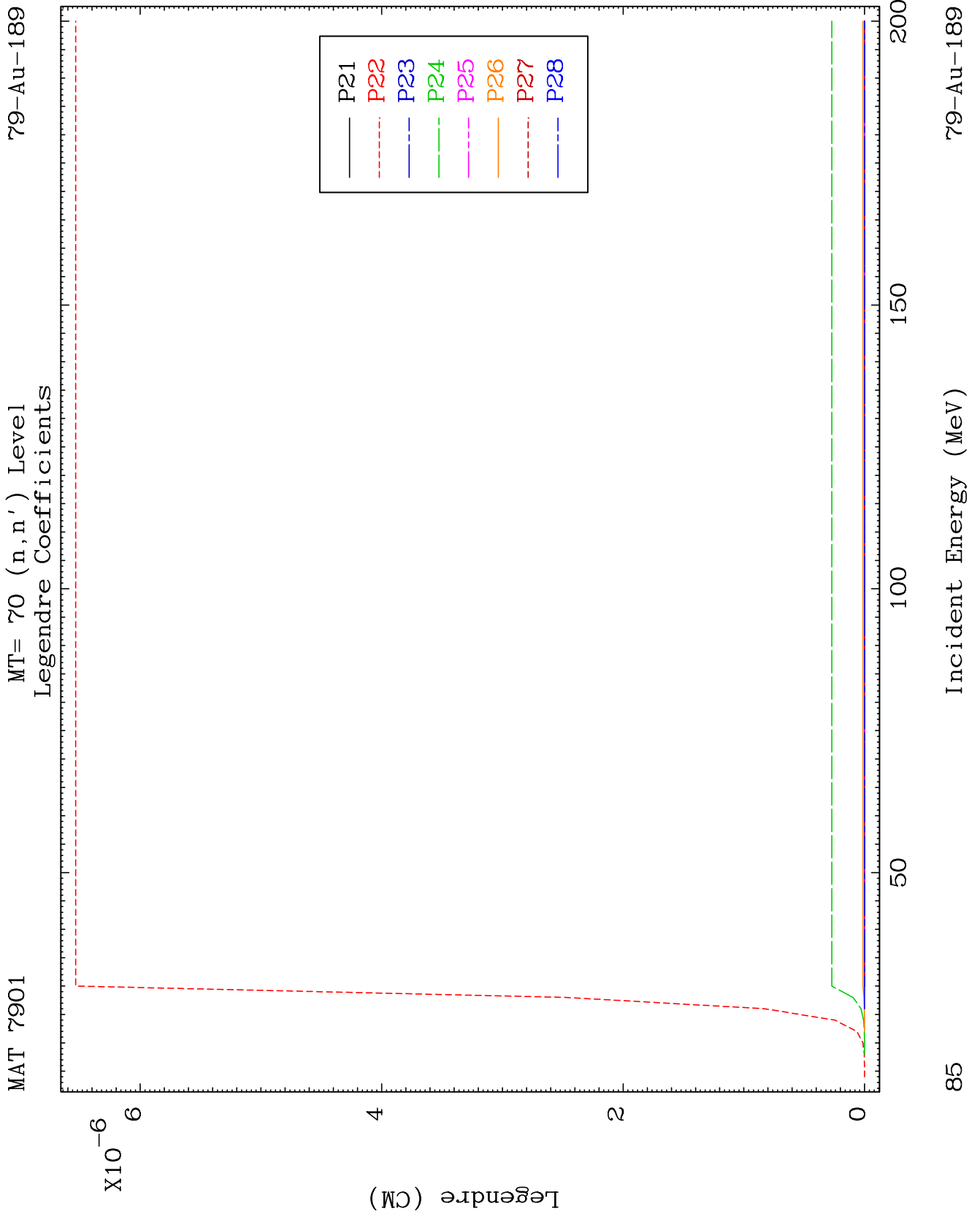
81

Incident Energy (MeV)

79-Au-189



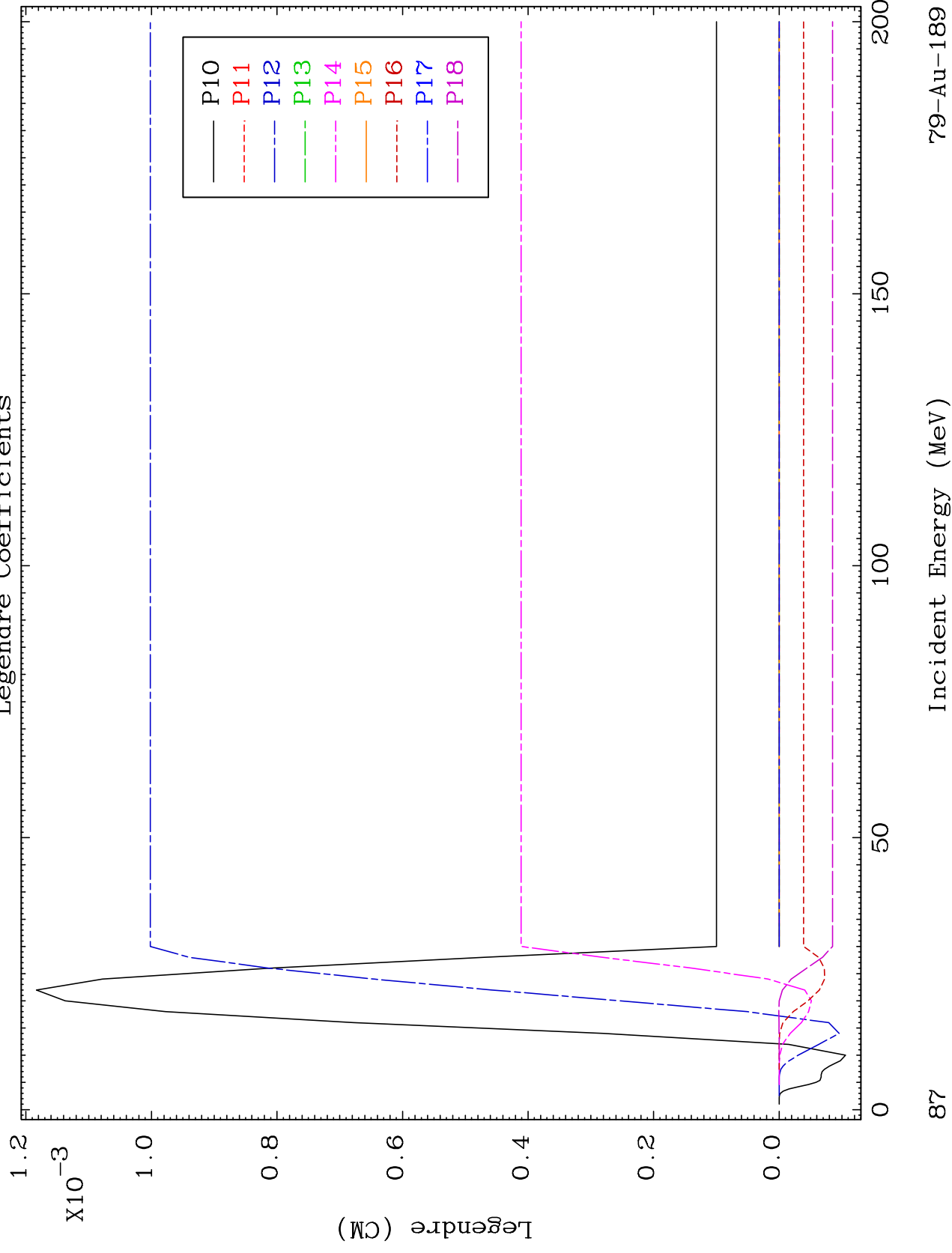




MAT 7901

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

79-Au-189



87

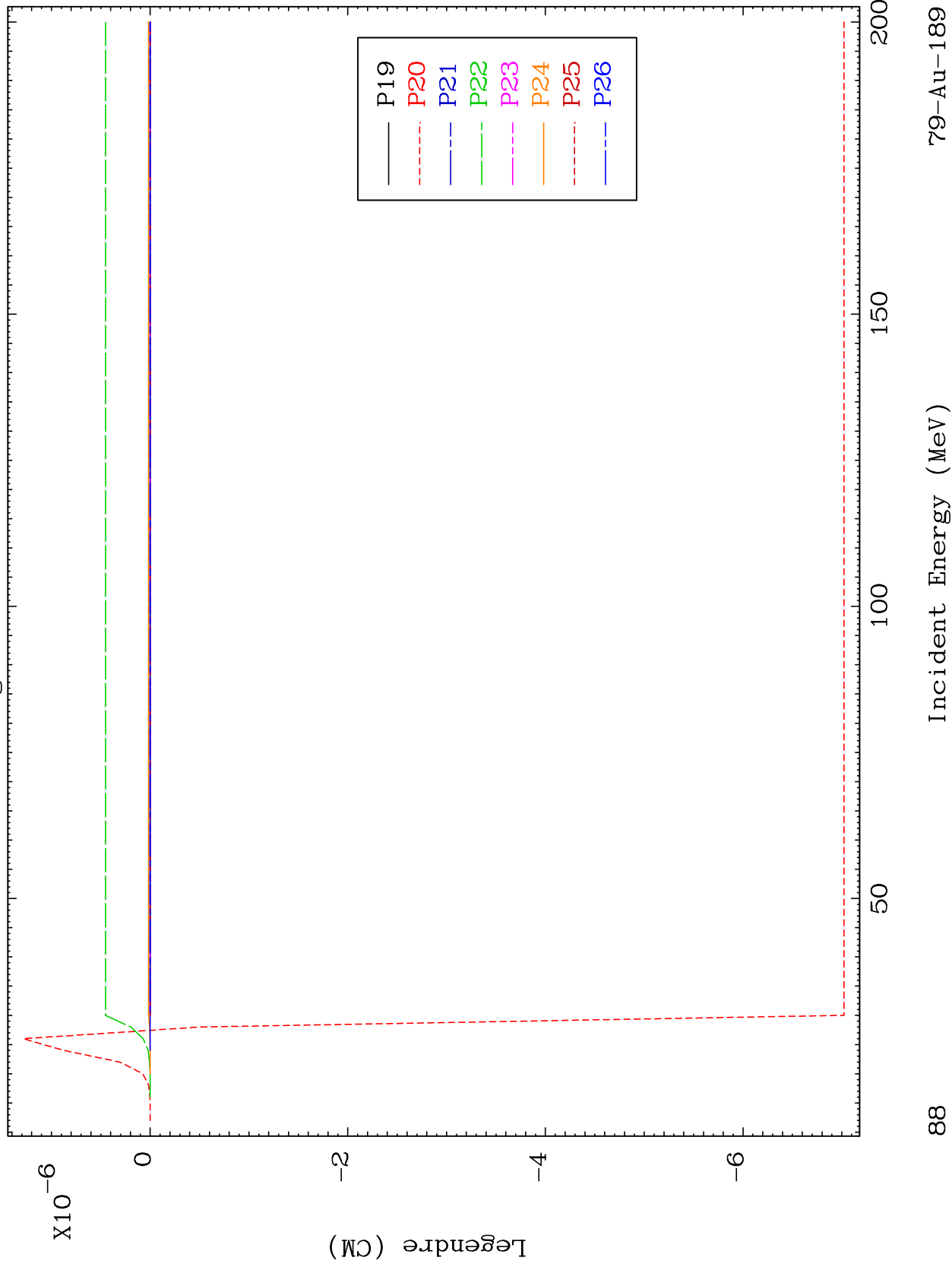
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



88

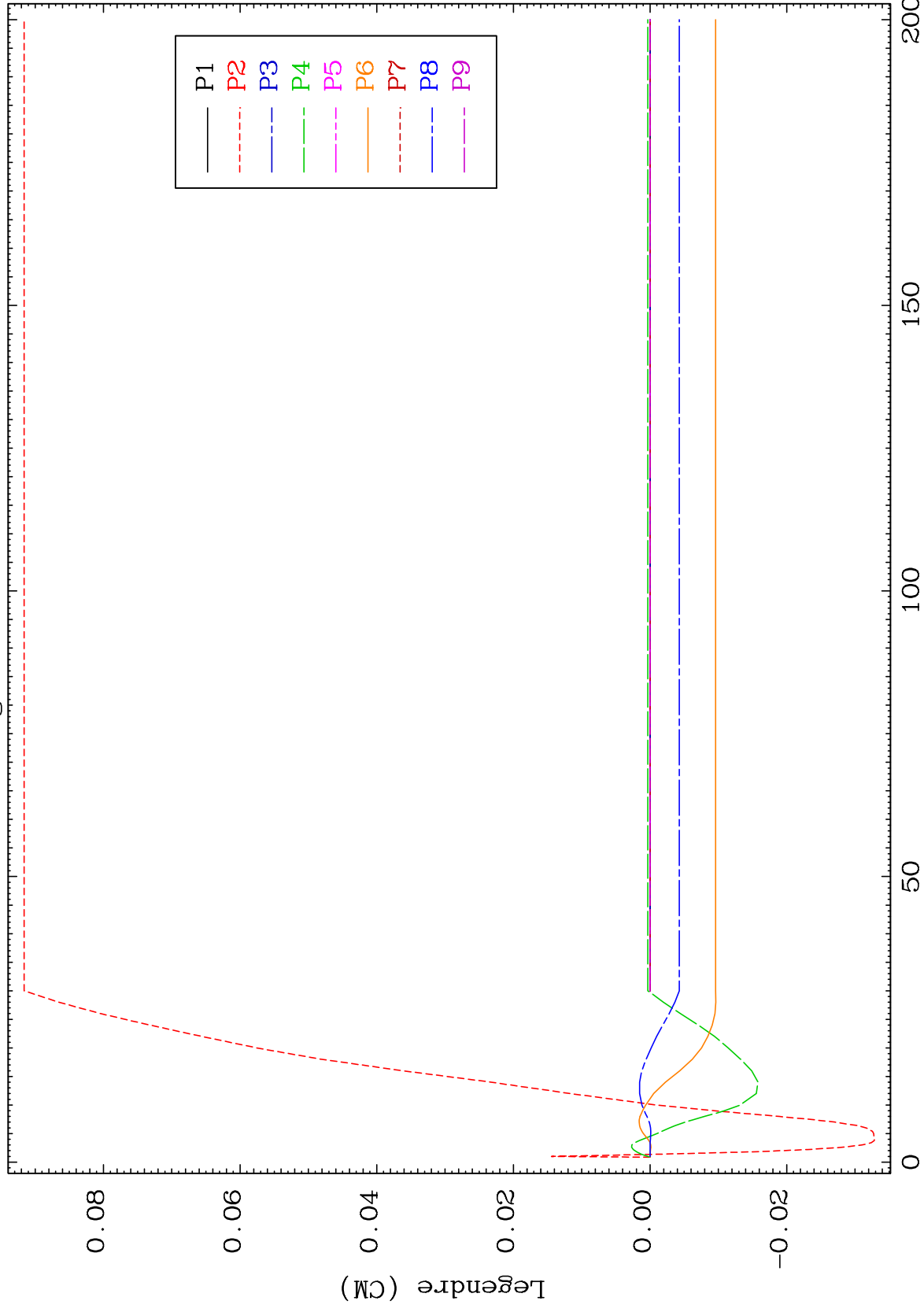
Incident Energy (MeV)

79-Au-189

MAT 7901

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

79-Au-189



89

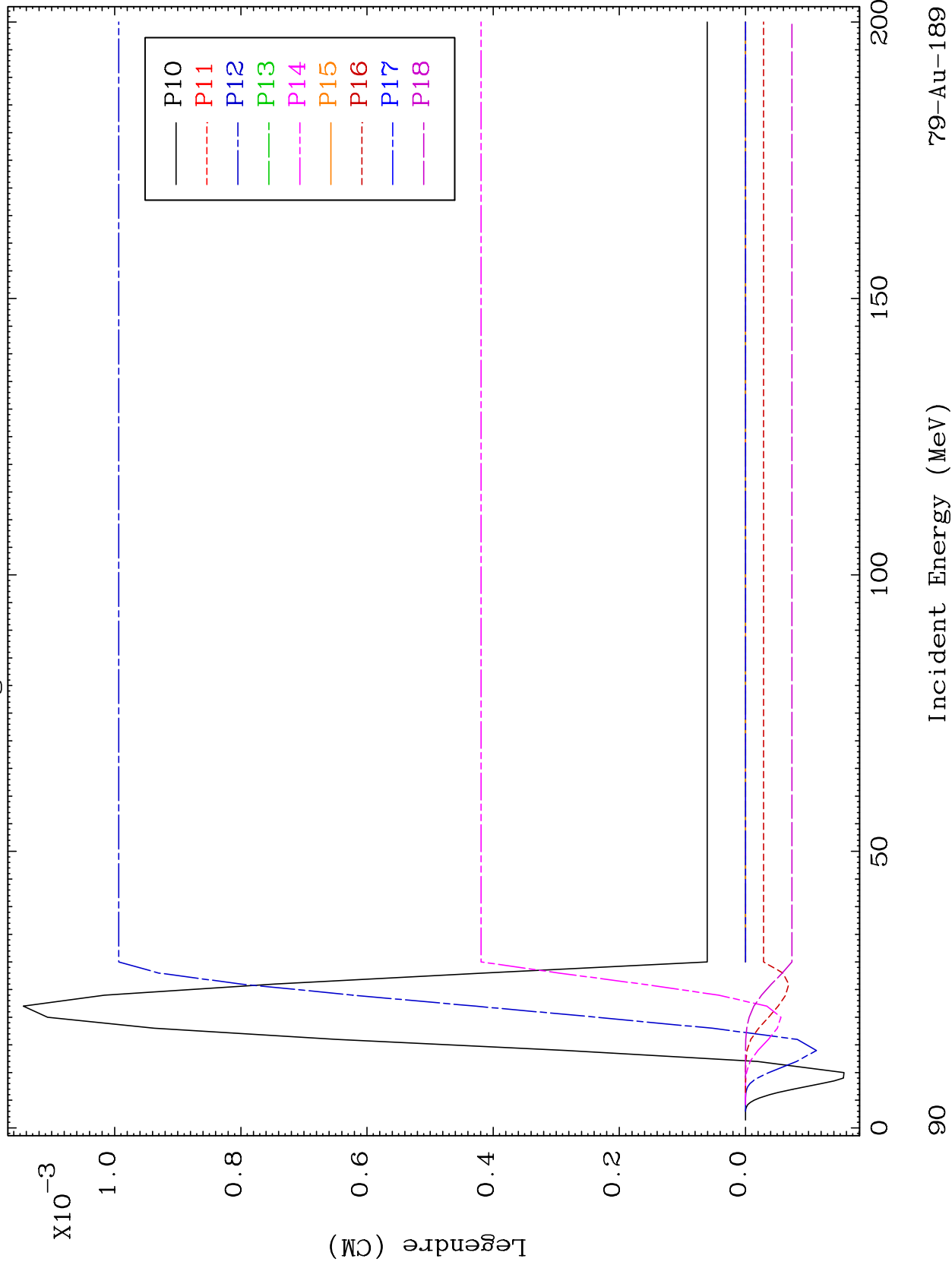
Incident Energy (MeV)

79-Au-189

MAT 7901

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

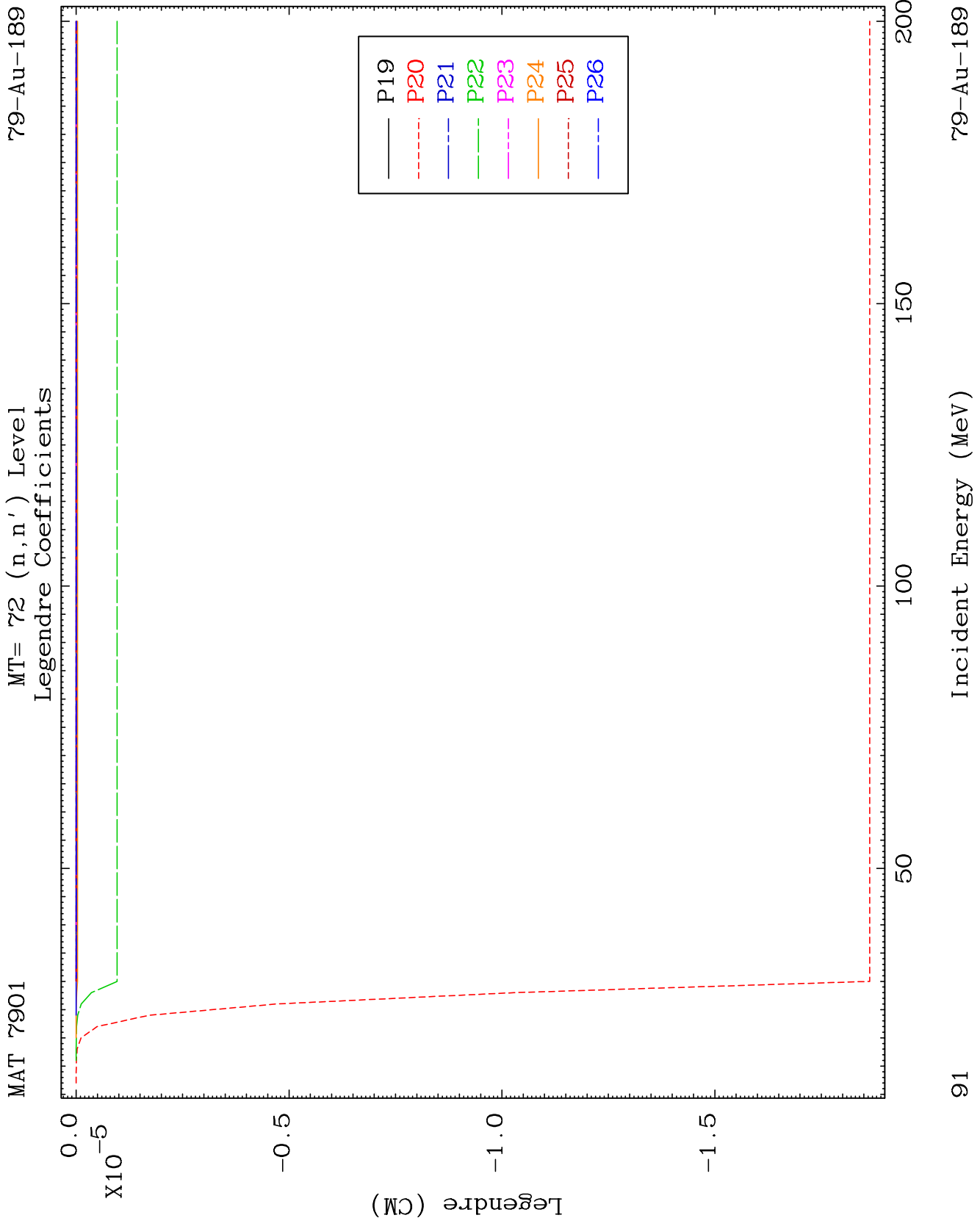
79-Au-189

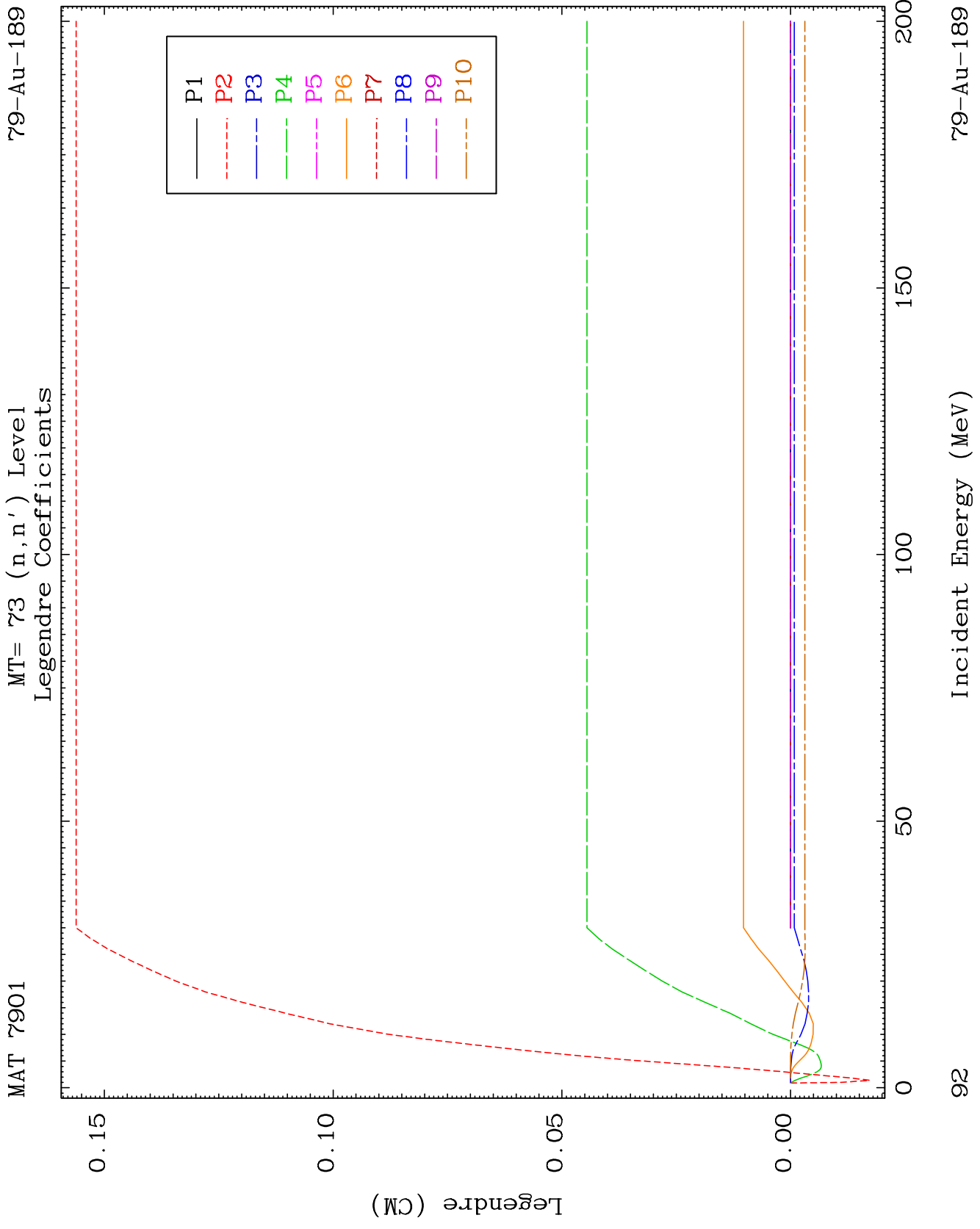


79-Au-189

Incident Energy (MeV)

90

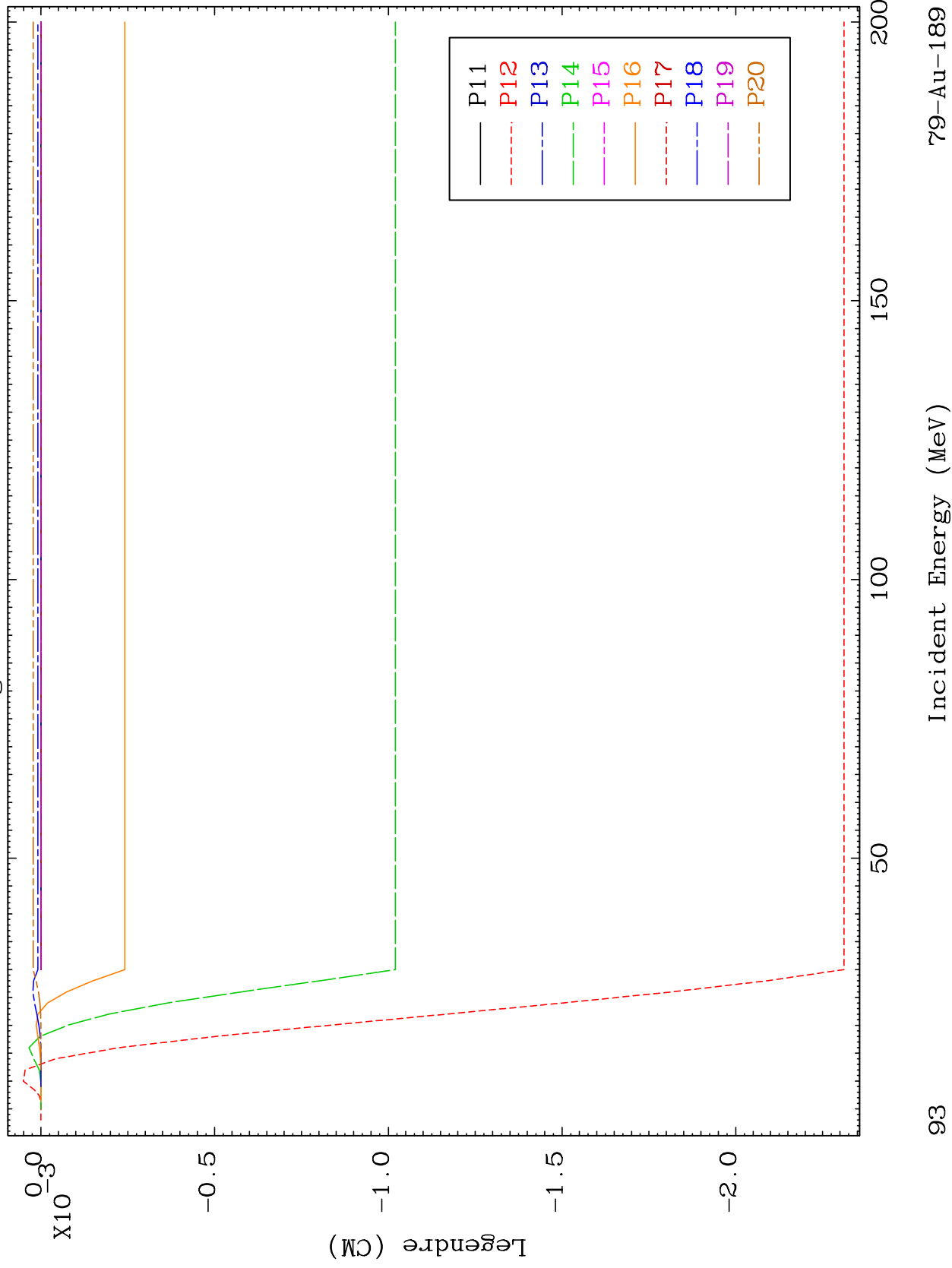




MAT 7901

79-Au-189

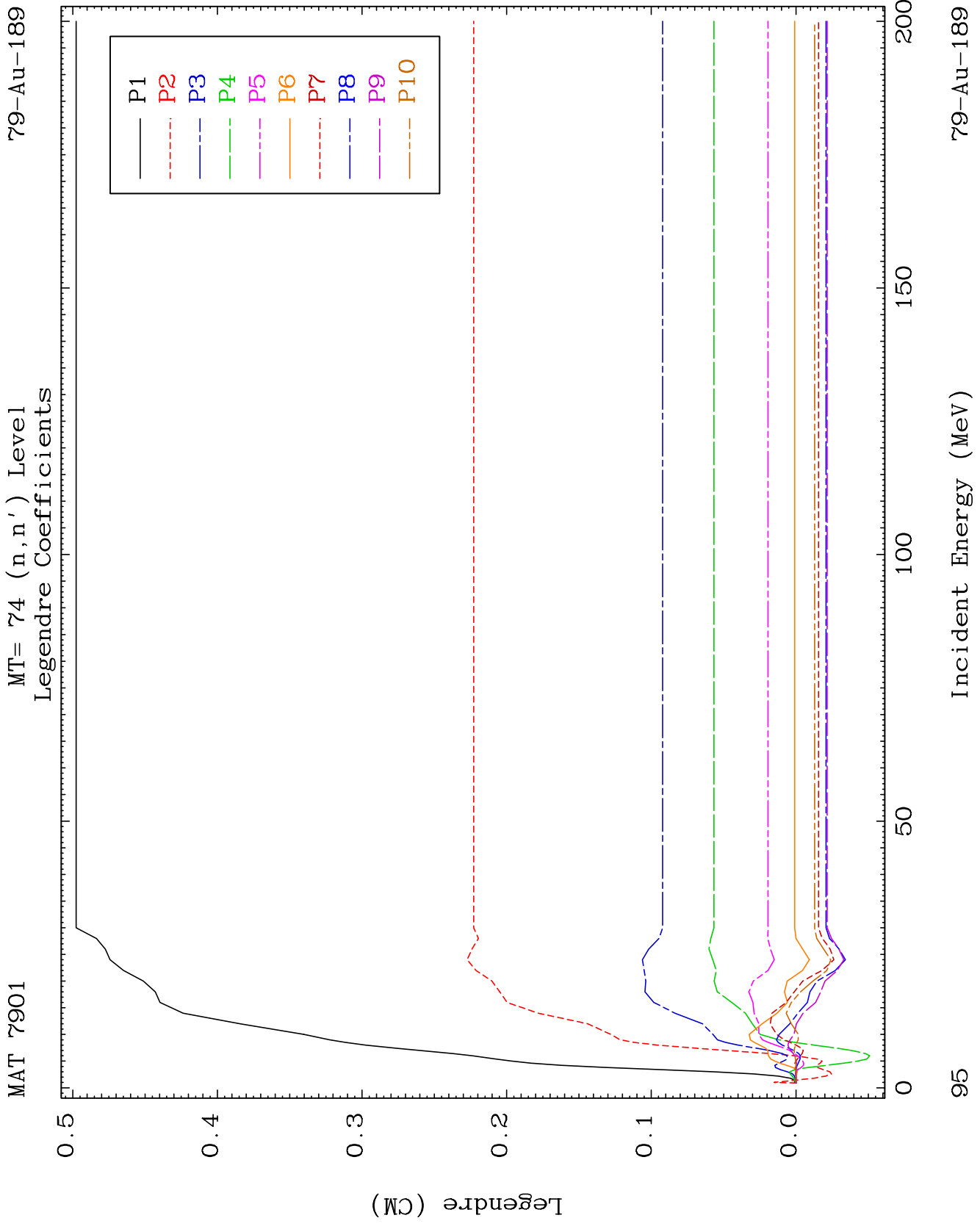
MT= 73 (n,n') Level
Legendre Coefficients



93

Incident Energy (MeV)

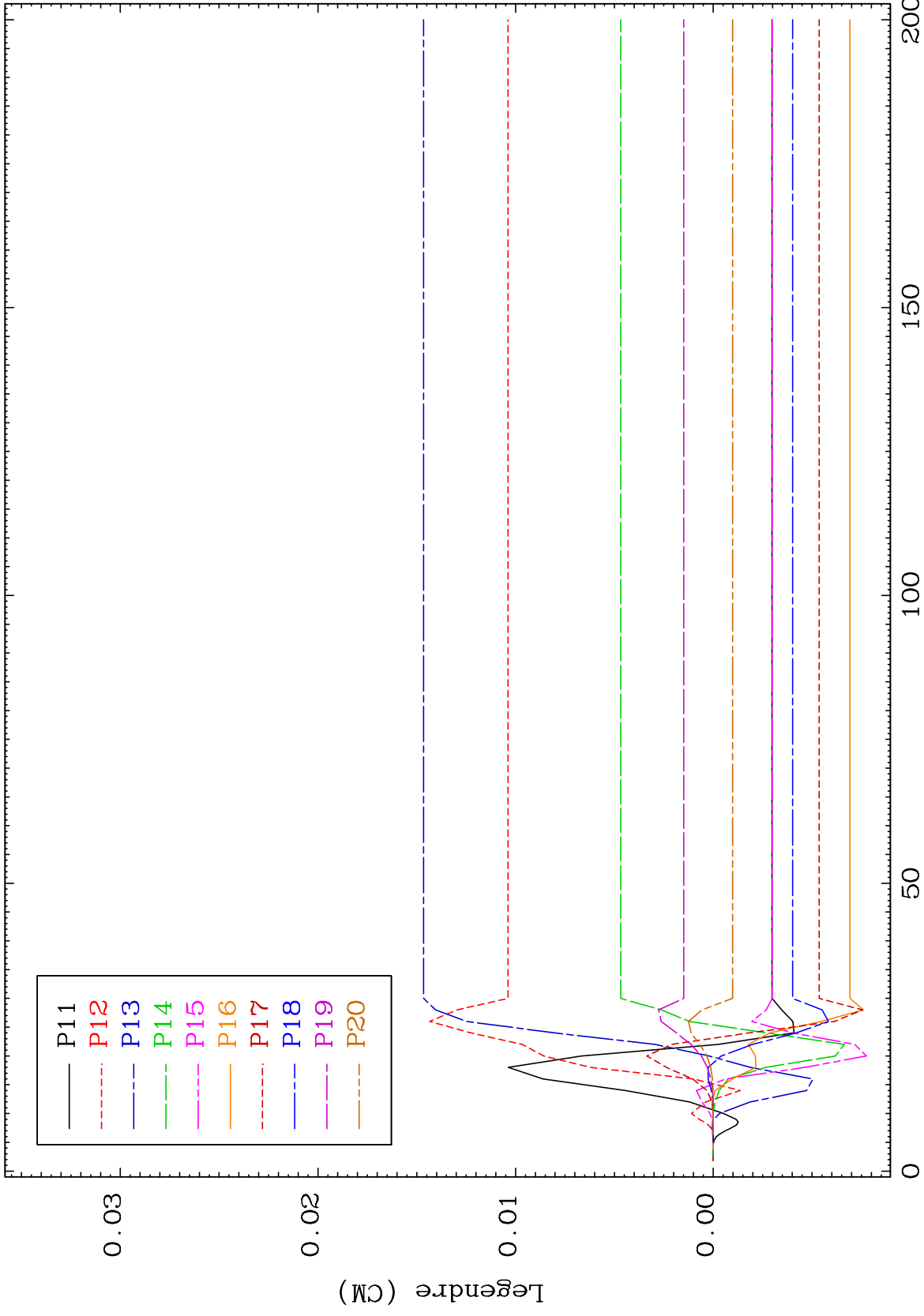
79-Au-189



MAT 7901

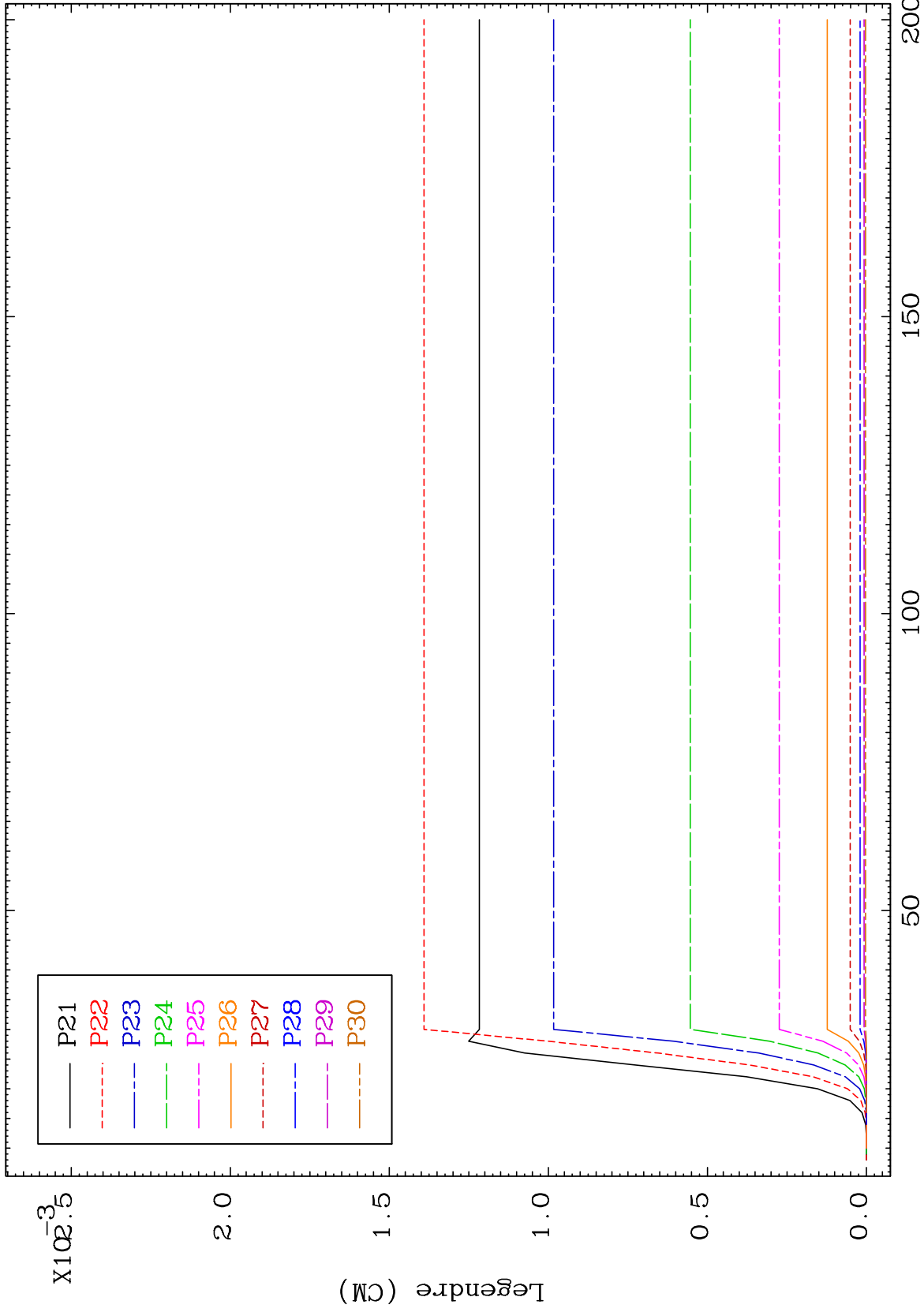
MT= 74 (n,n') Level
Legendre Coefficients

79-Au-189



96

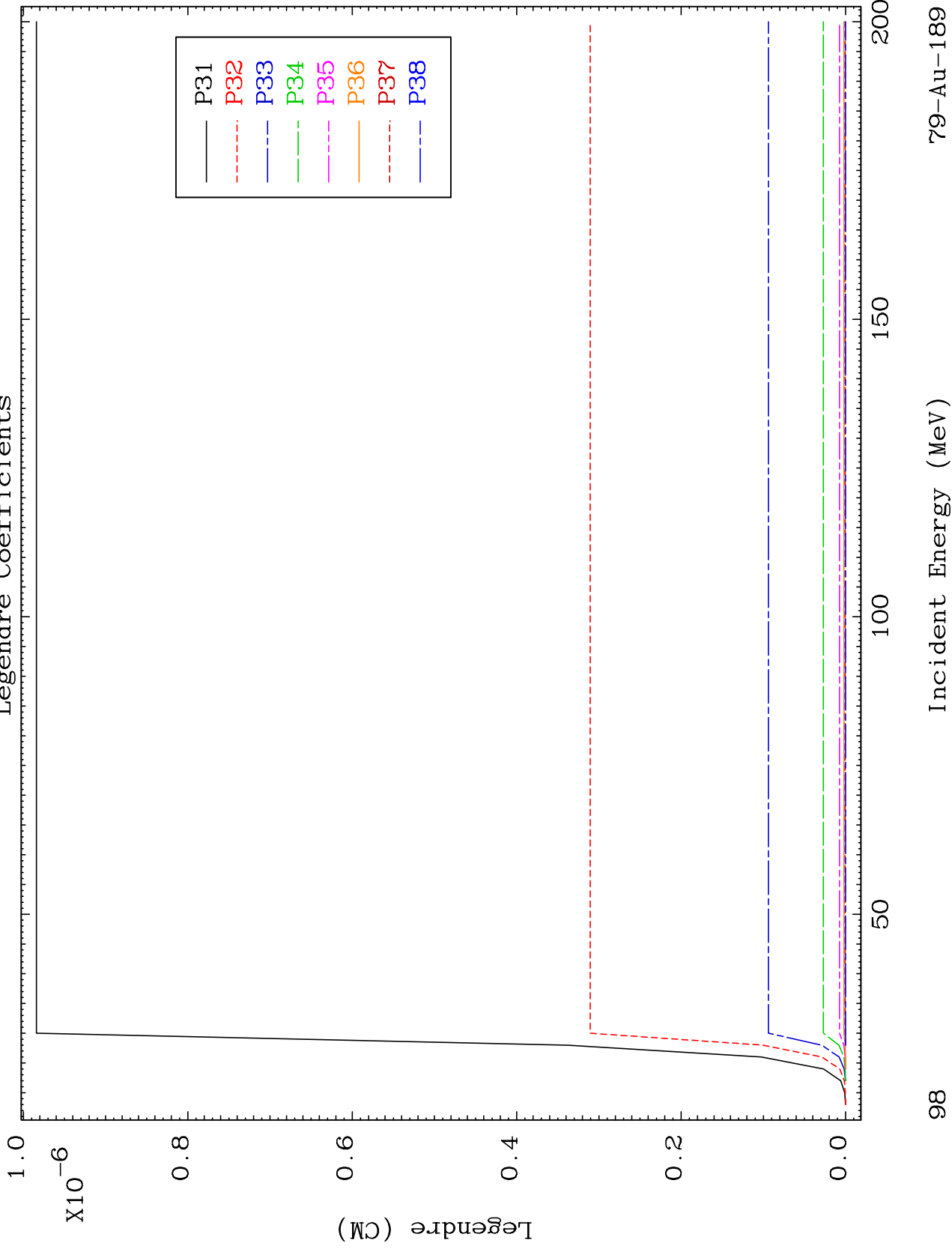
79-Au-189

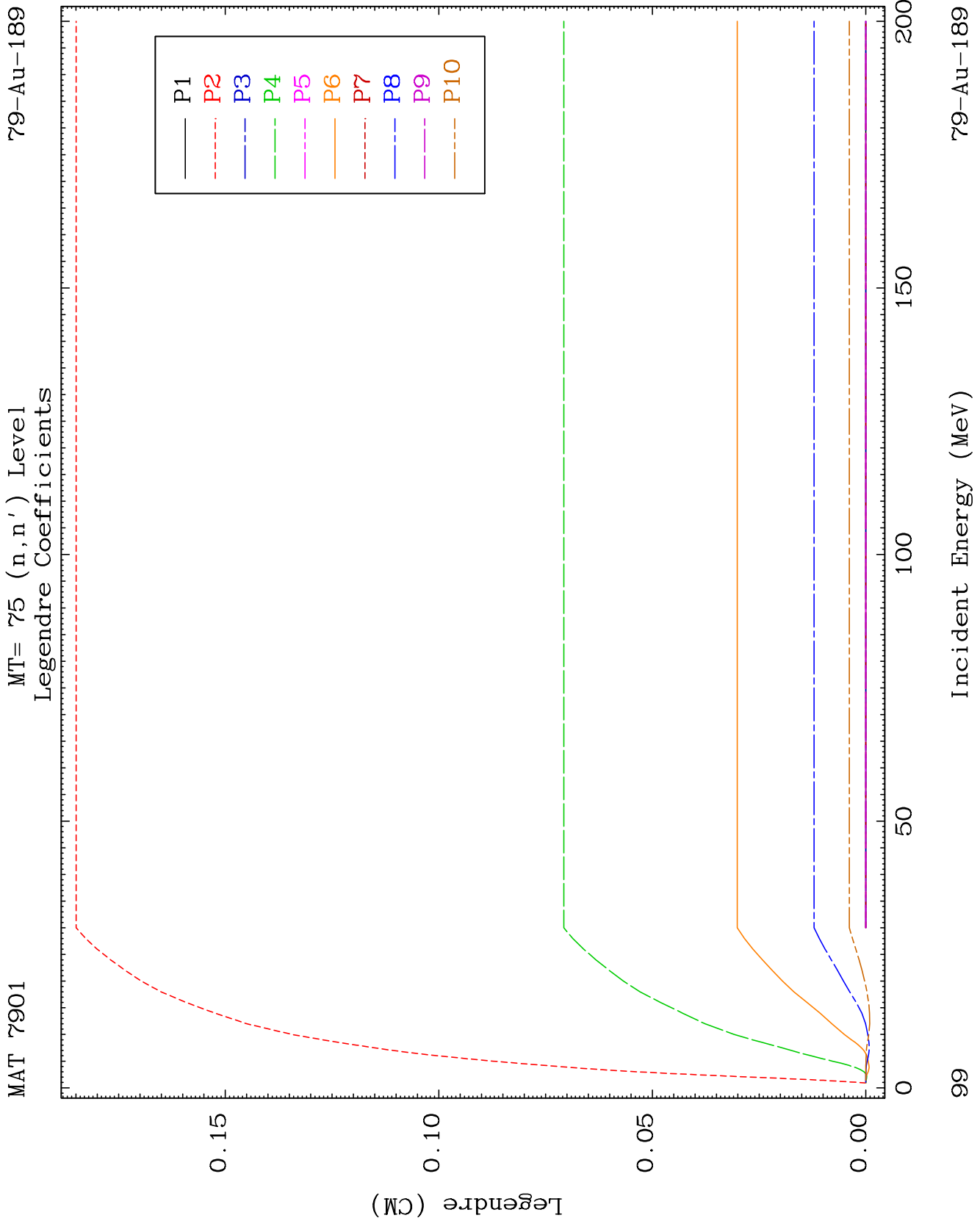


MAT 7901

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

79-Au-189





79-Au-189

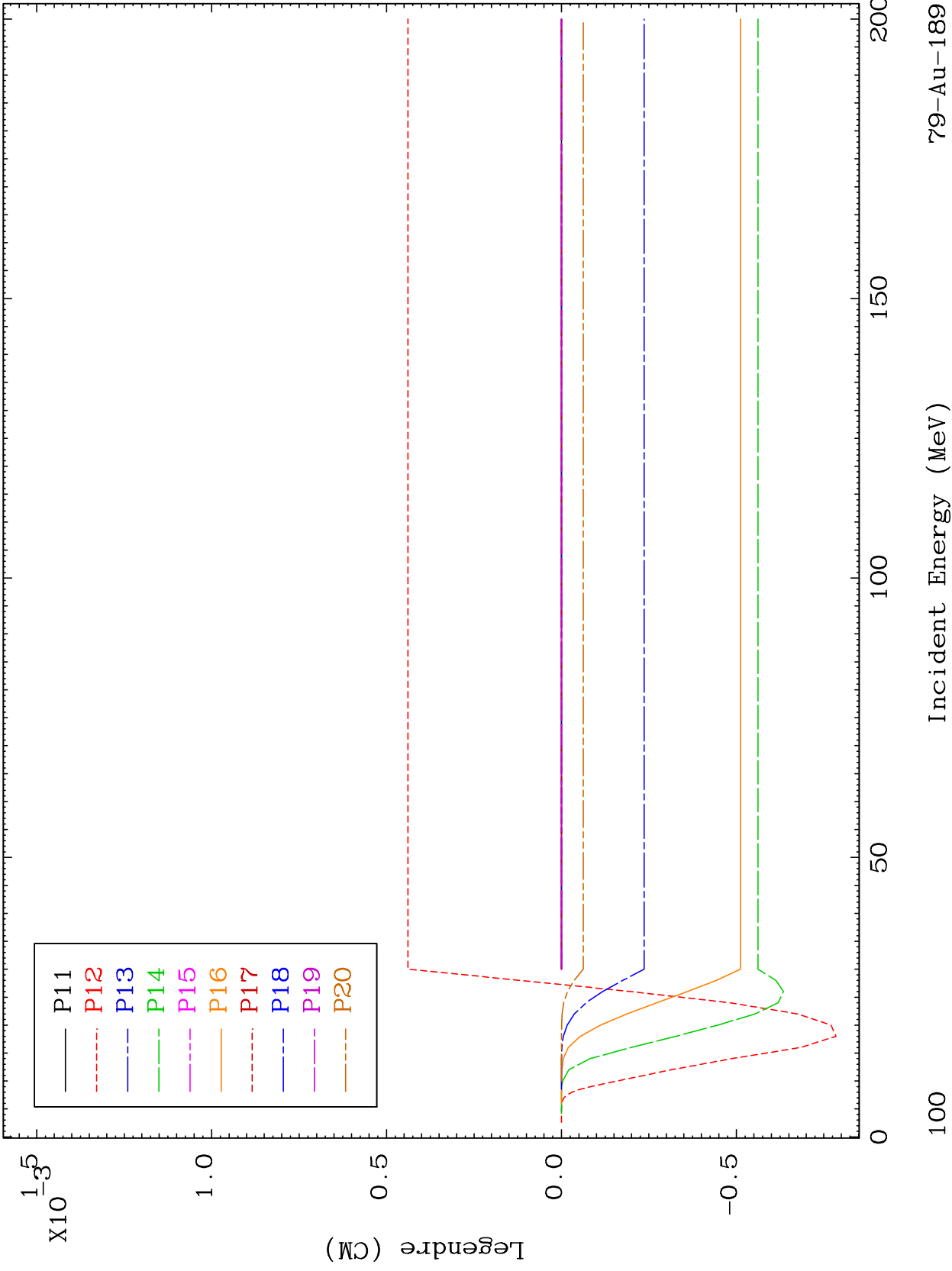
Incident Energy (MeV)

99

MAT 7901

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

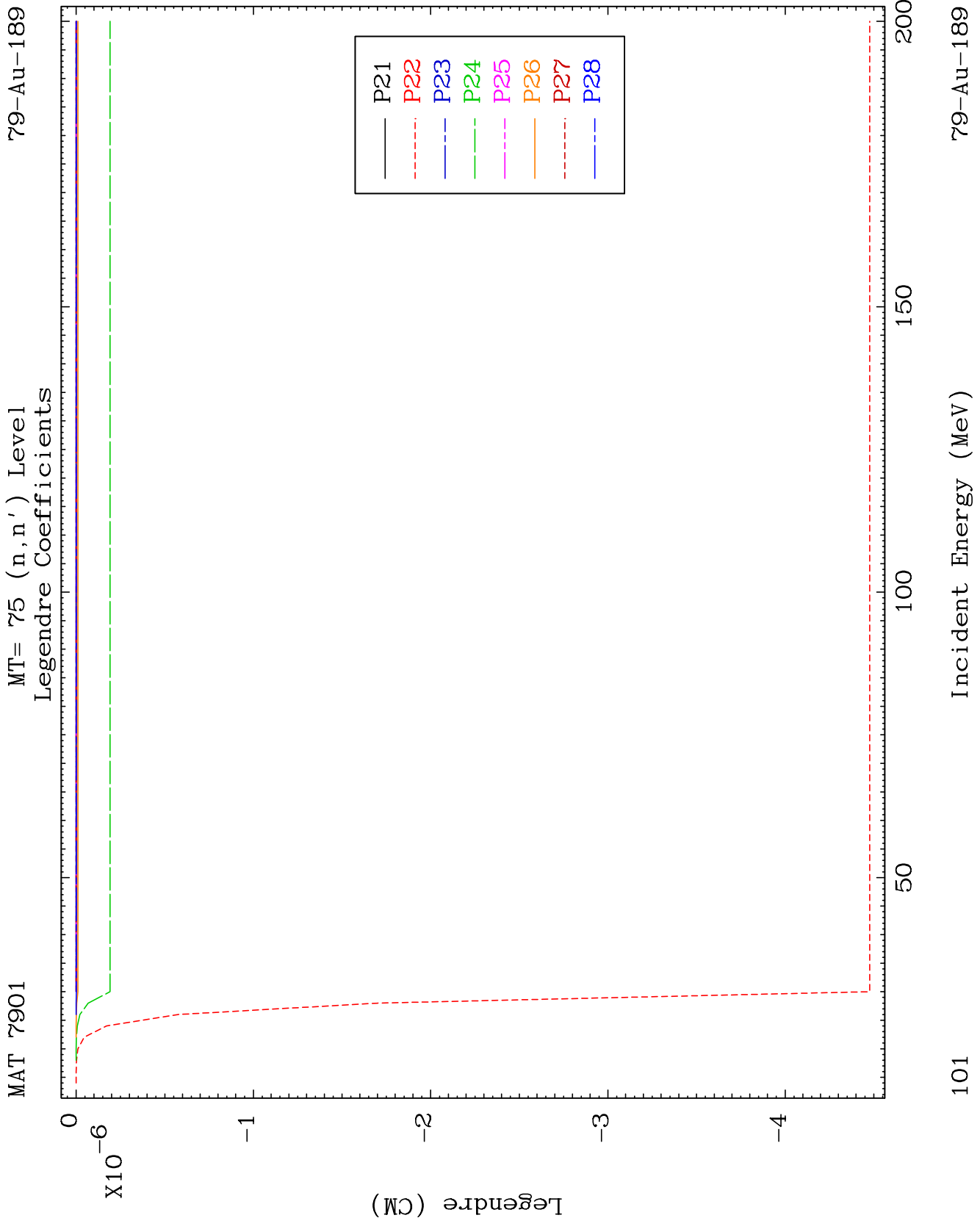
79-Au-189

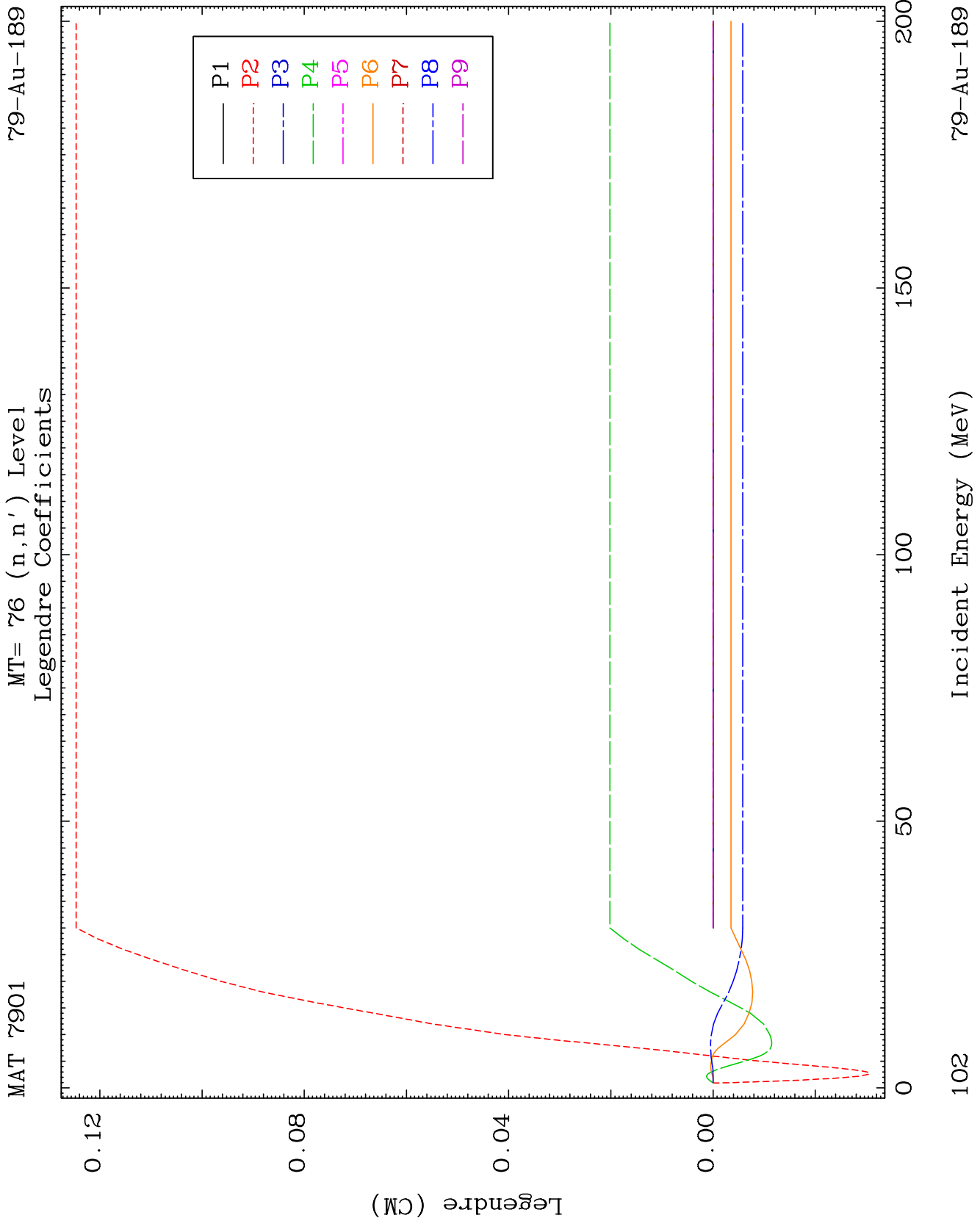


79-Au-189

Incident Energy (MeV)

100

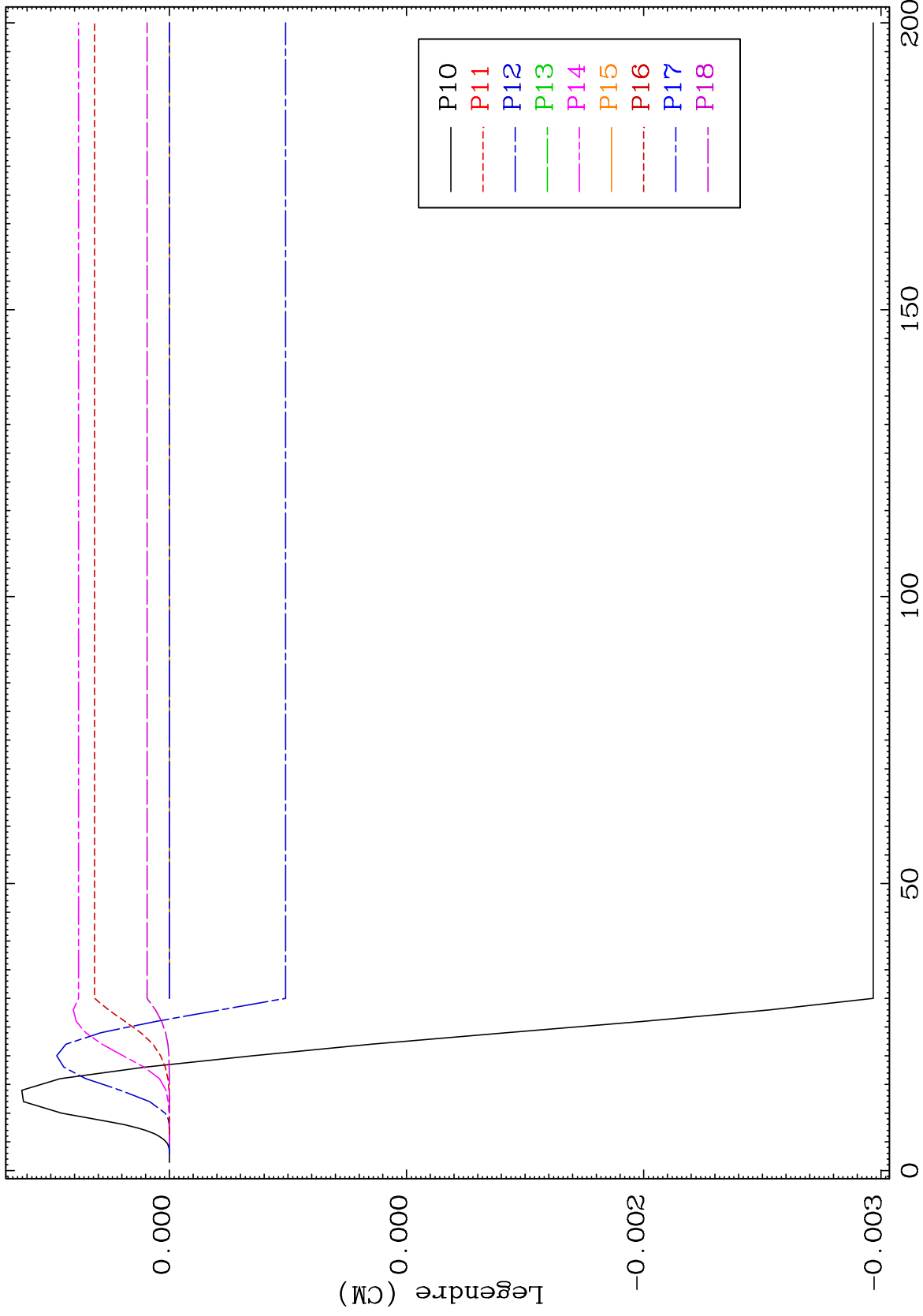




MAT 7901

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

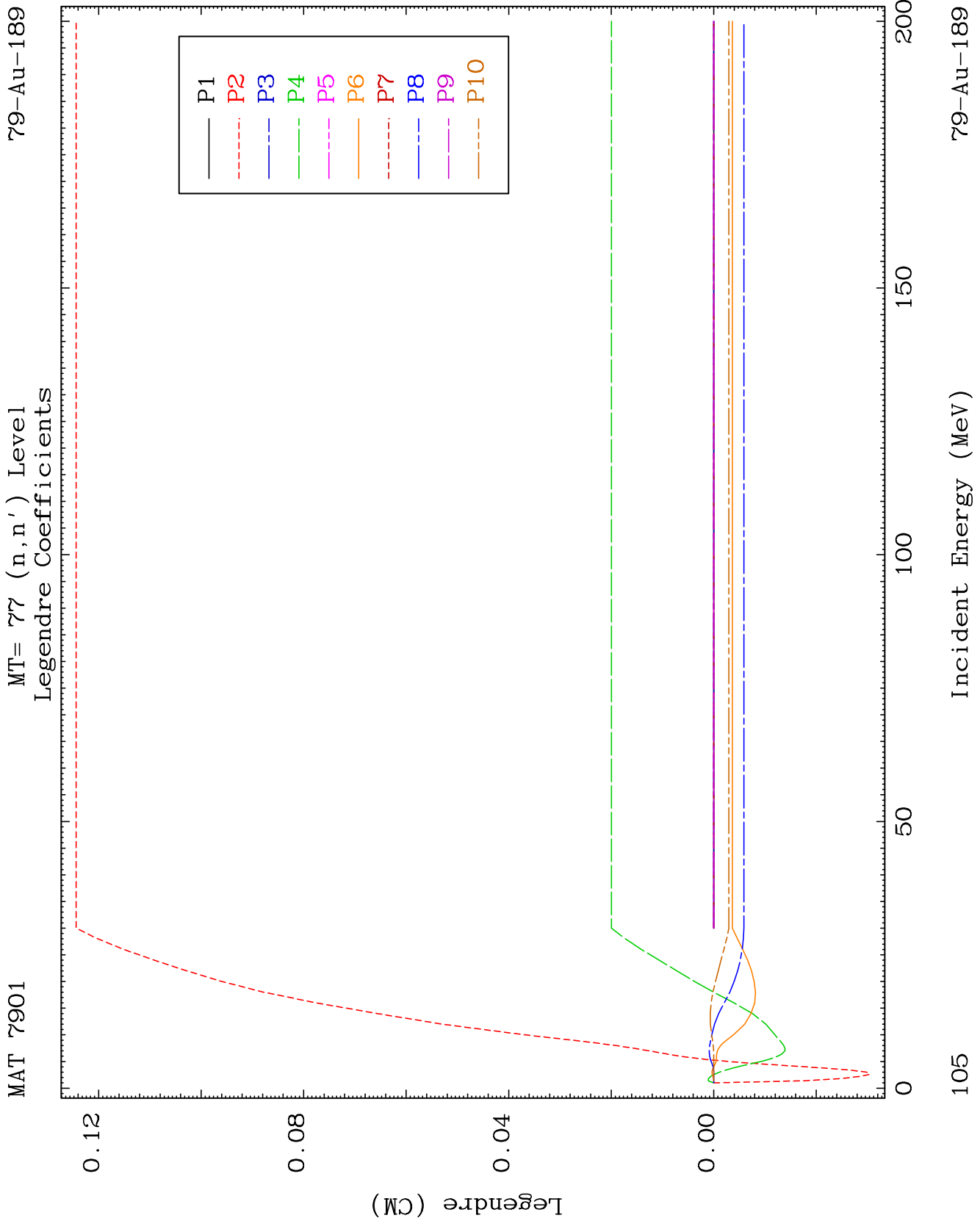
79-Au-189



103

Incident Energy (MeV)

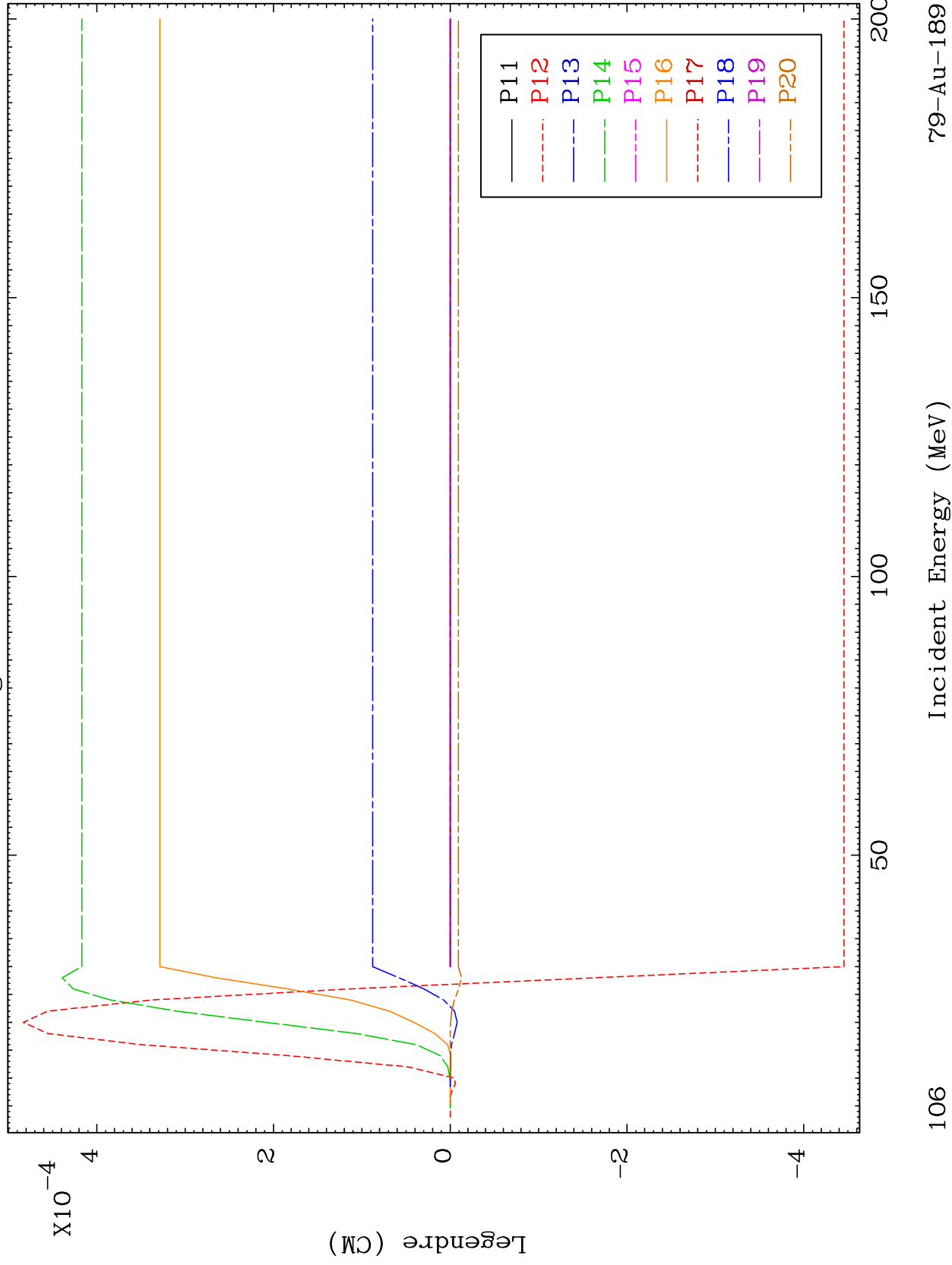
79-Au-189



MAT 7901

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

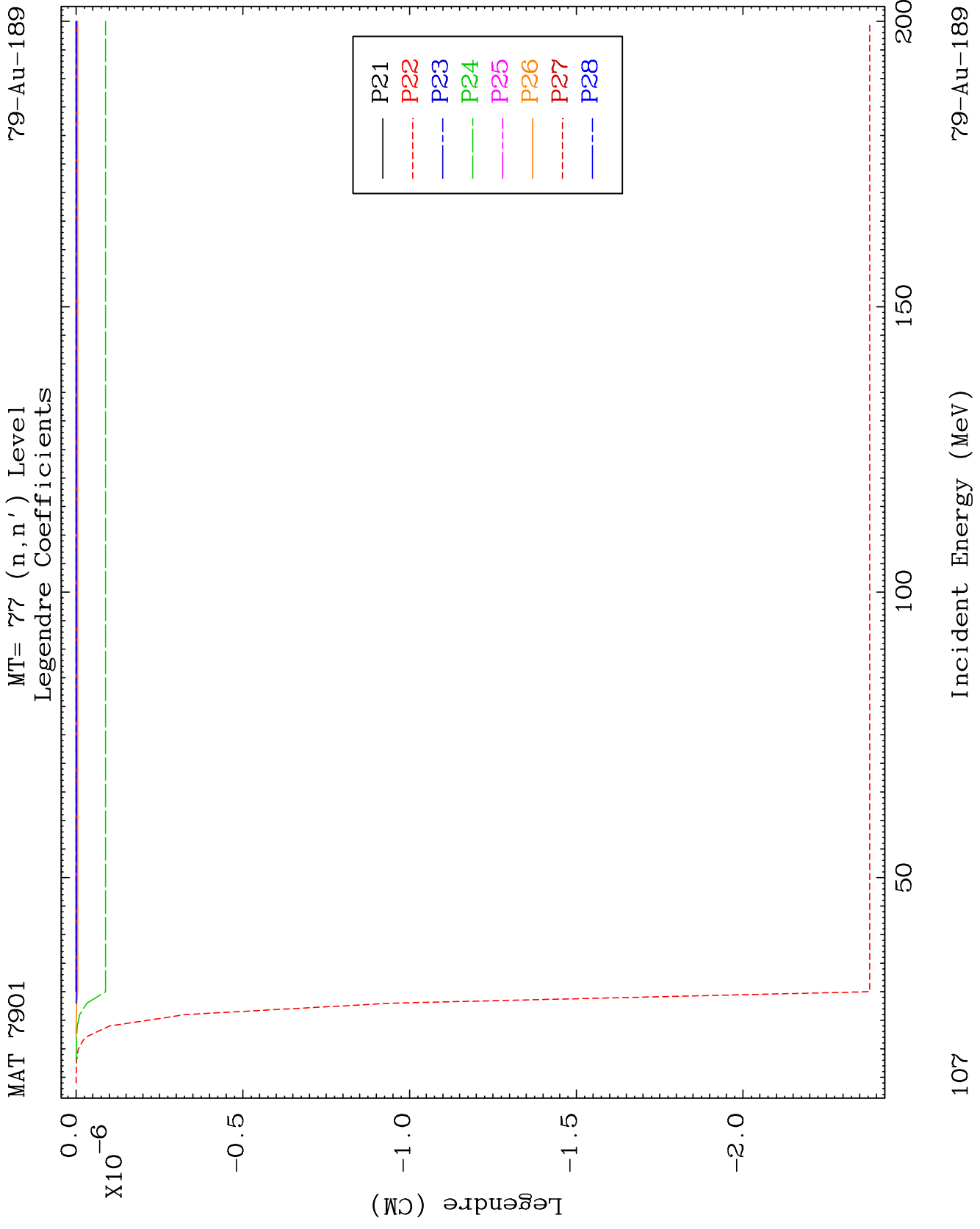
79-Au-189

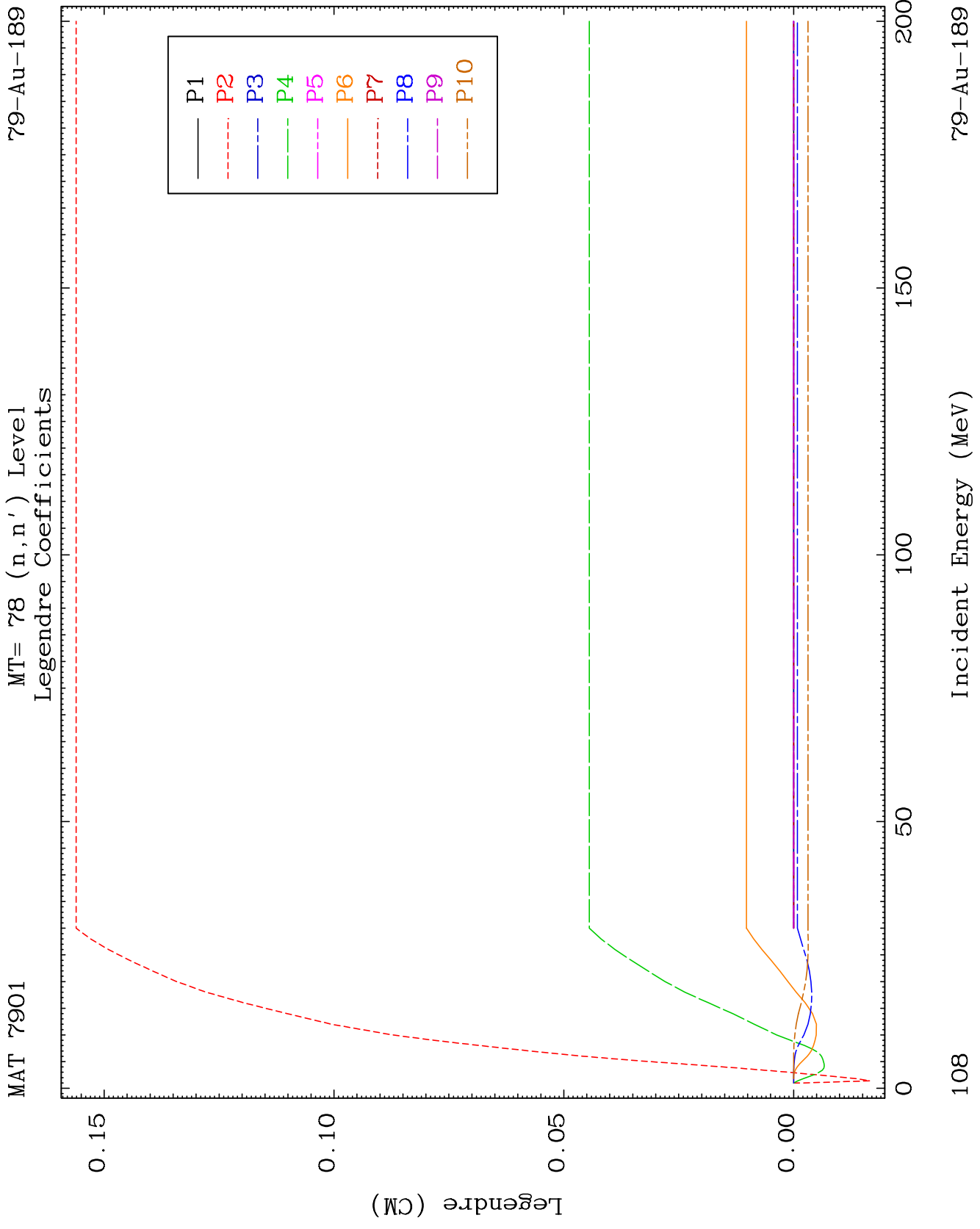


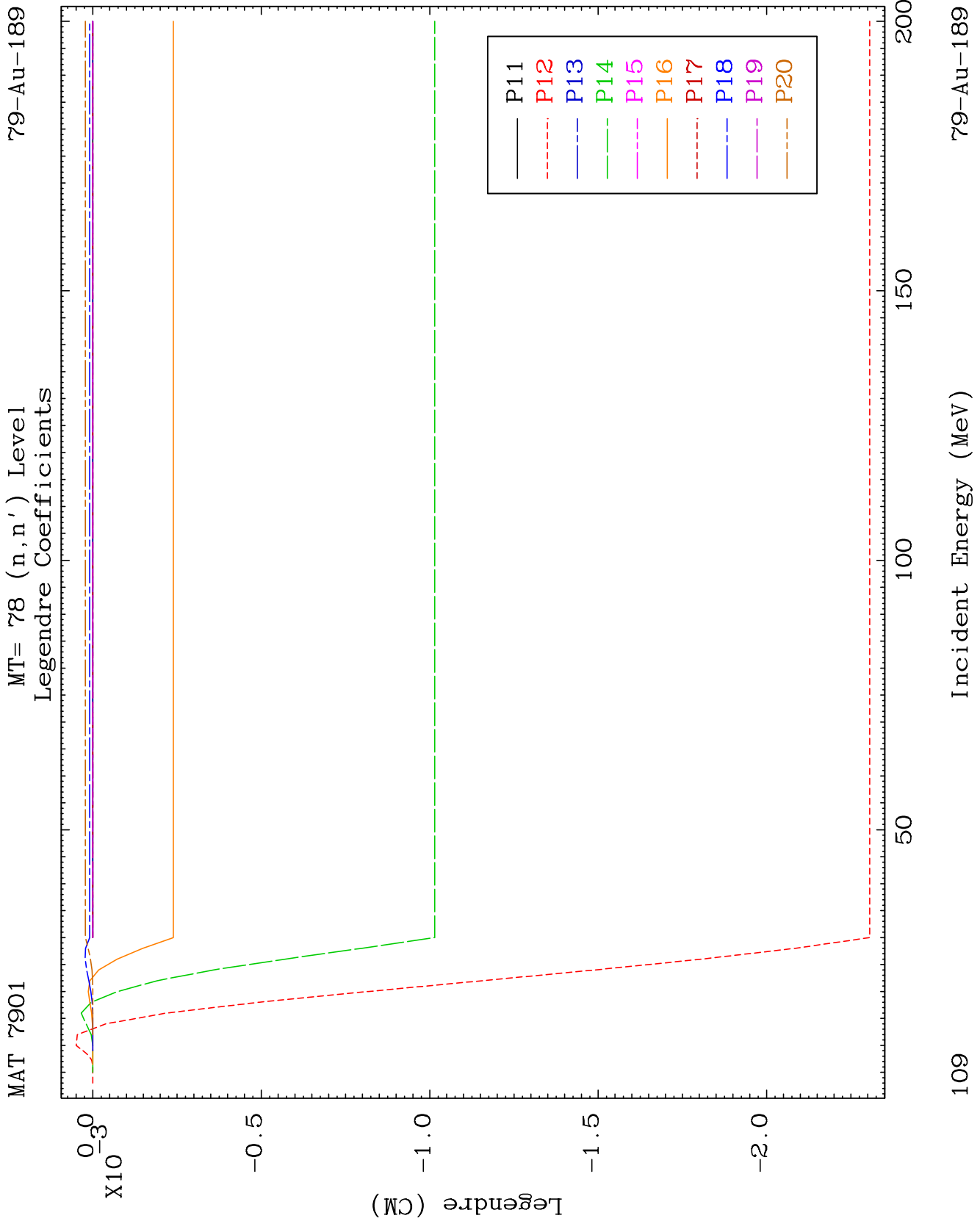
106

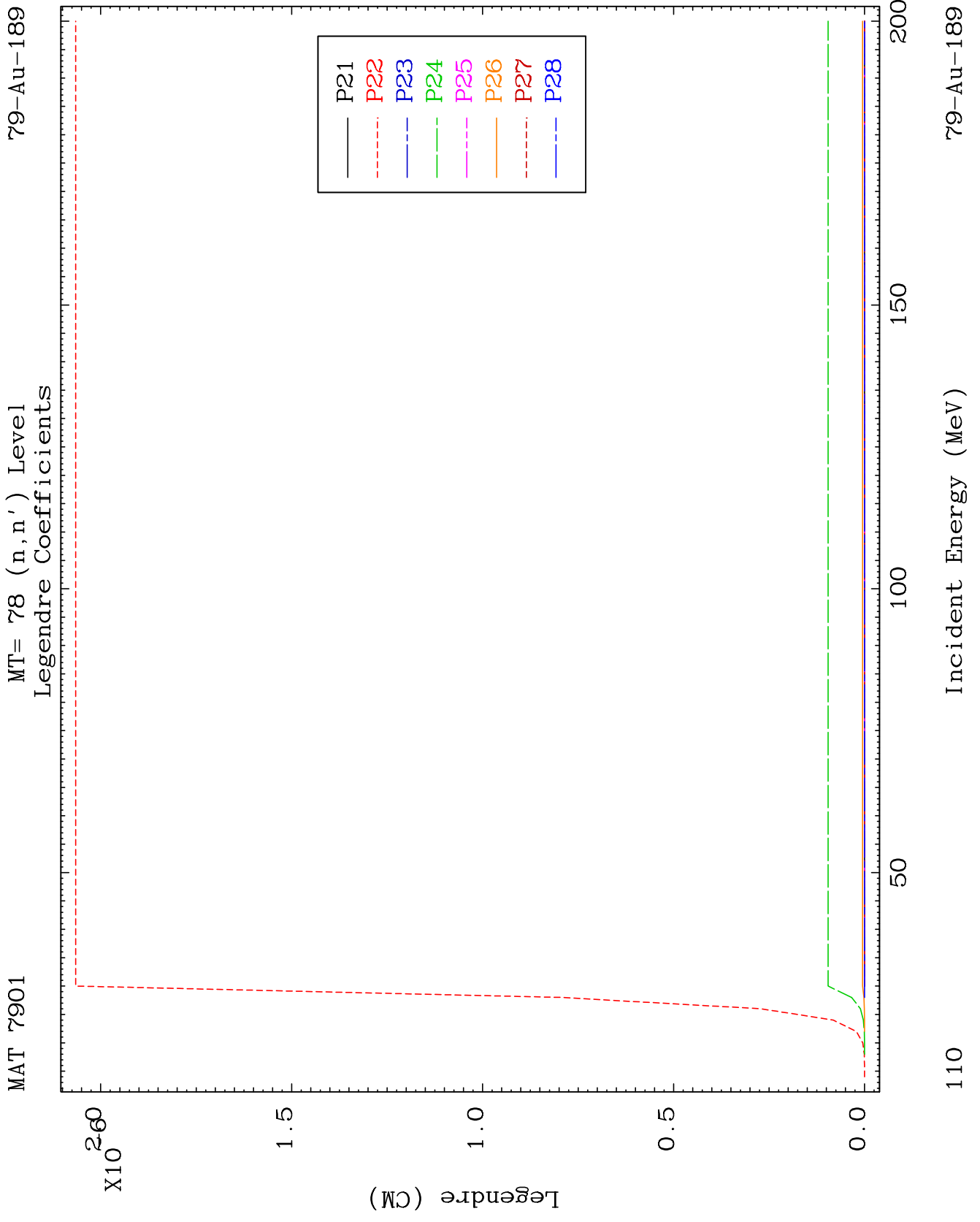
Incident Energy (MeV)

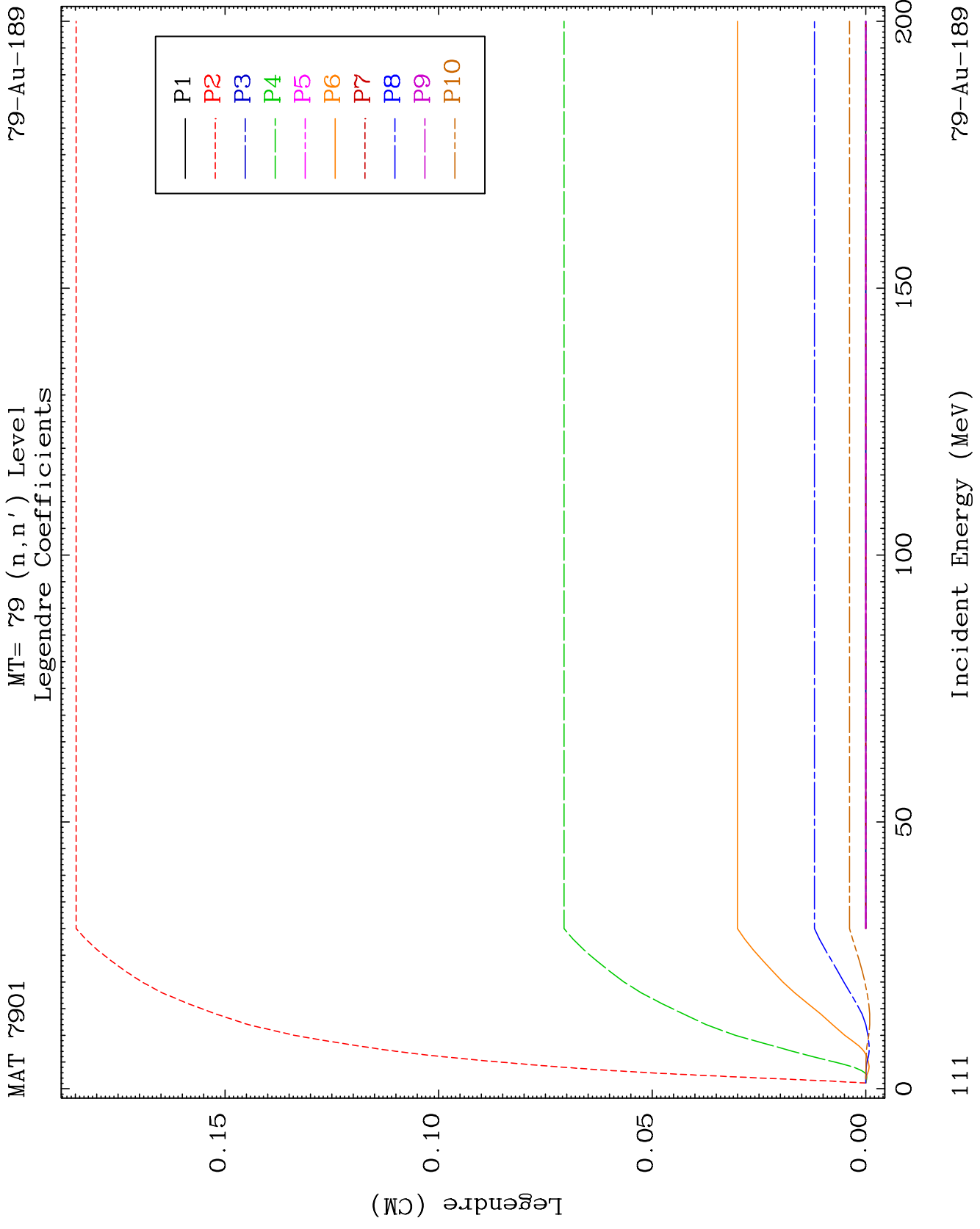
79-Au-189







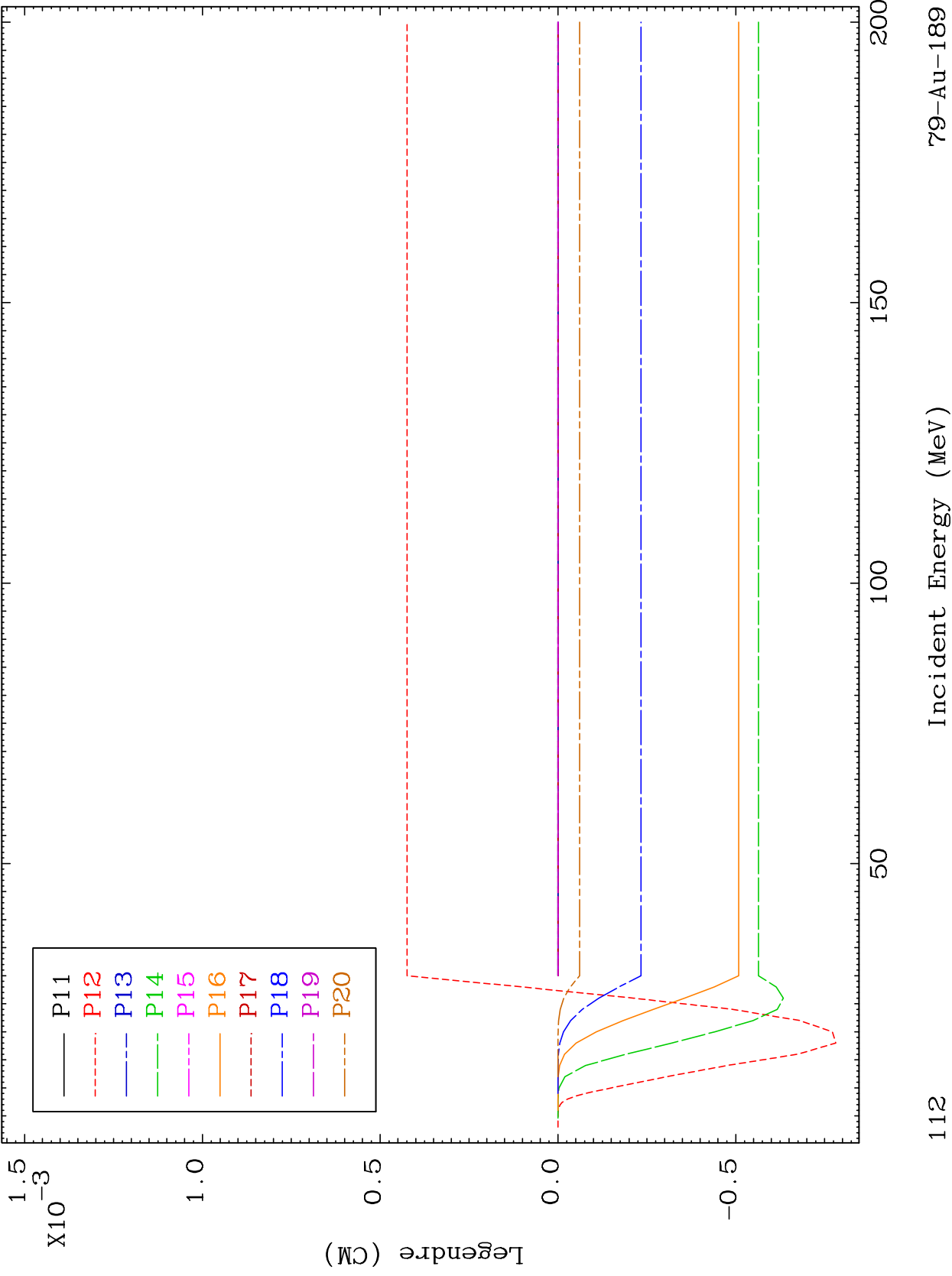




MAT 7901

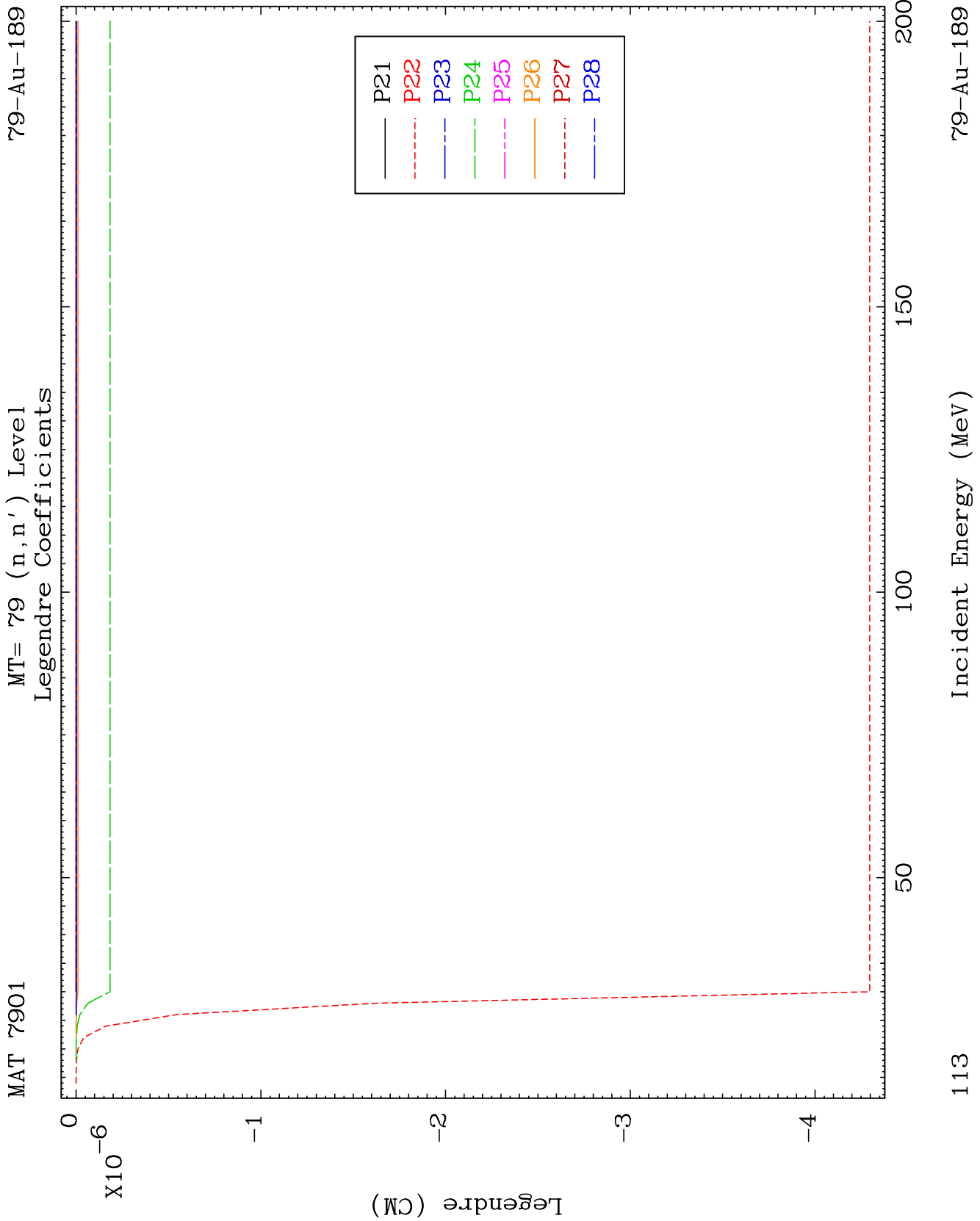
MT= 79 (n,n') Level
Legendre Coefficients

79-Au-189



112

79-Au-189

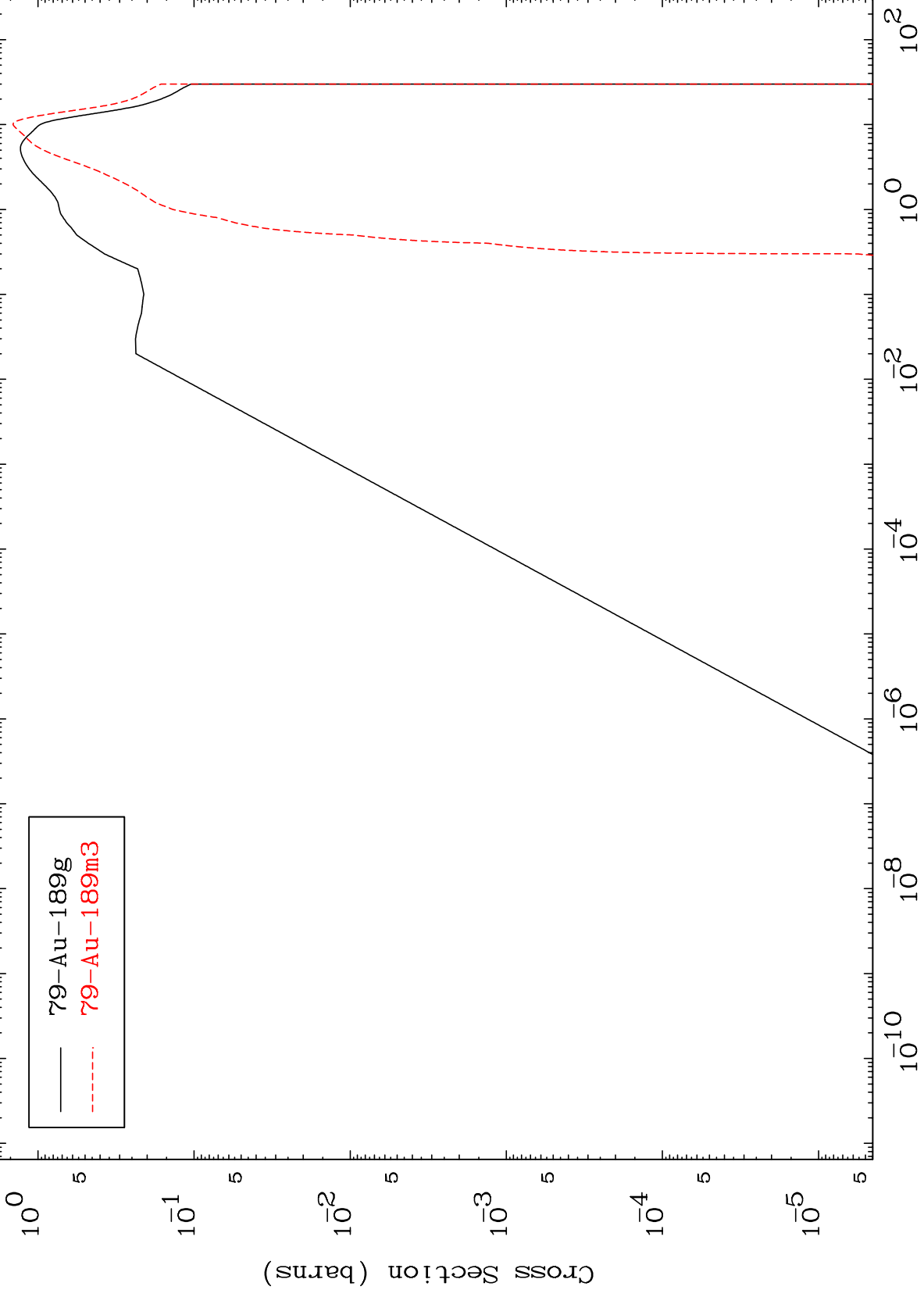


MAT 7901

Inelastic

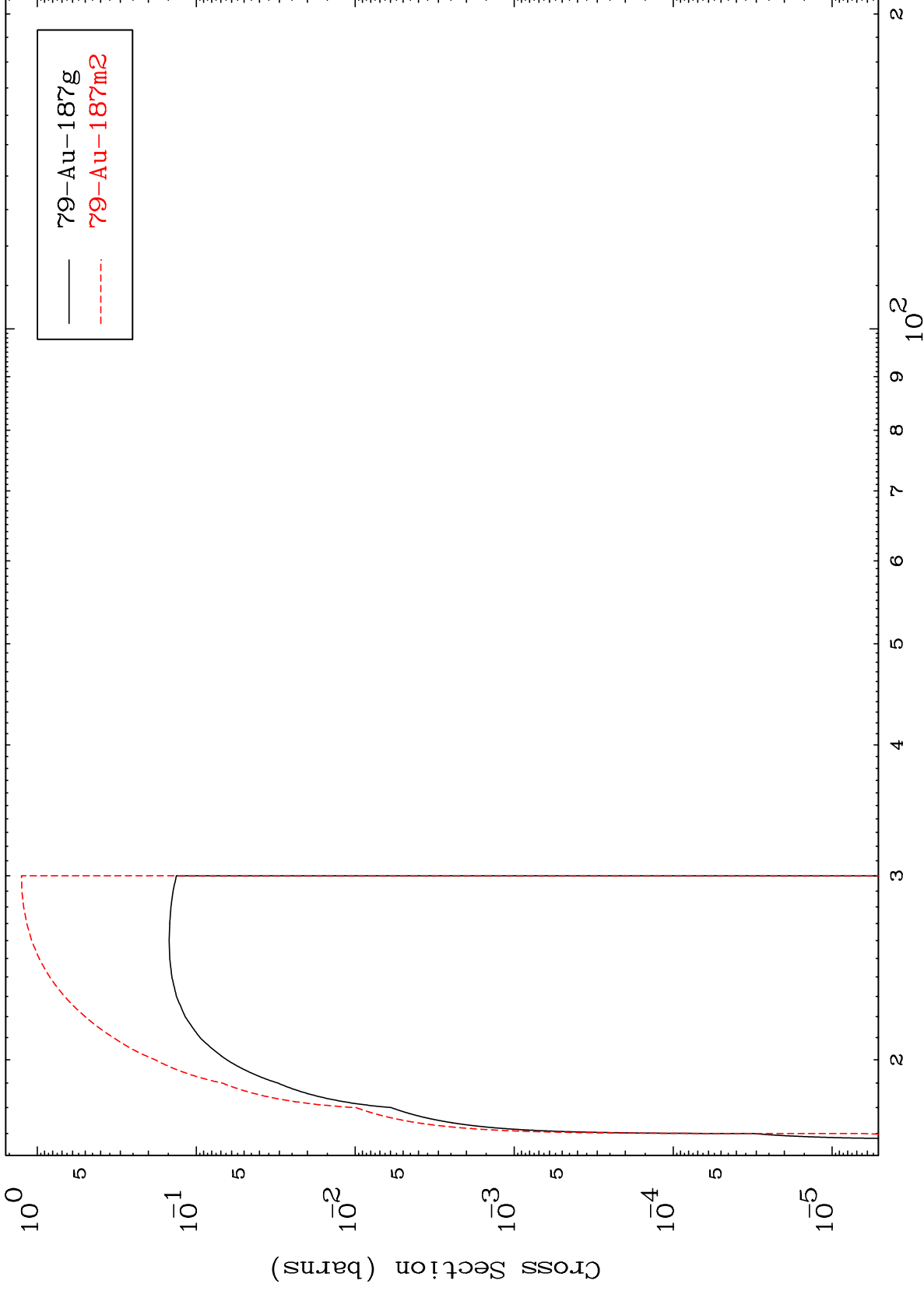
⁷⁹Au-189

Radionuclide Production Cross Section



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

Radionuclide Production Cross Section

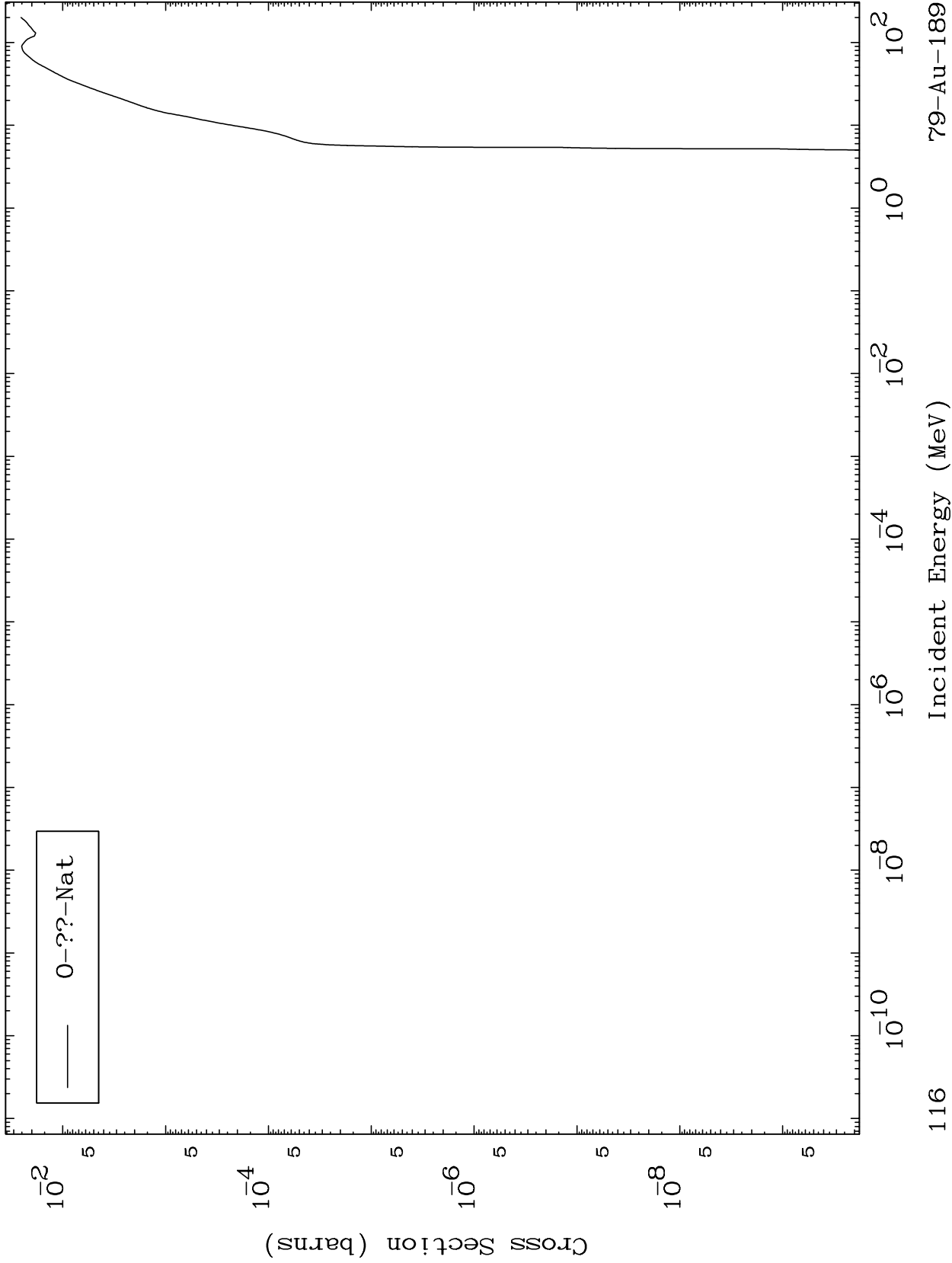


MAT 7901

Fission

79-Au-189

Radionuclide Production Cross Section

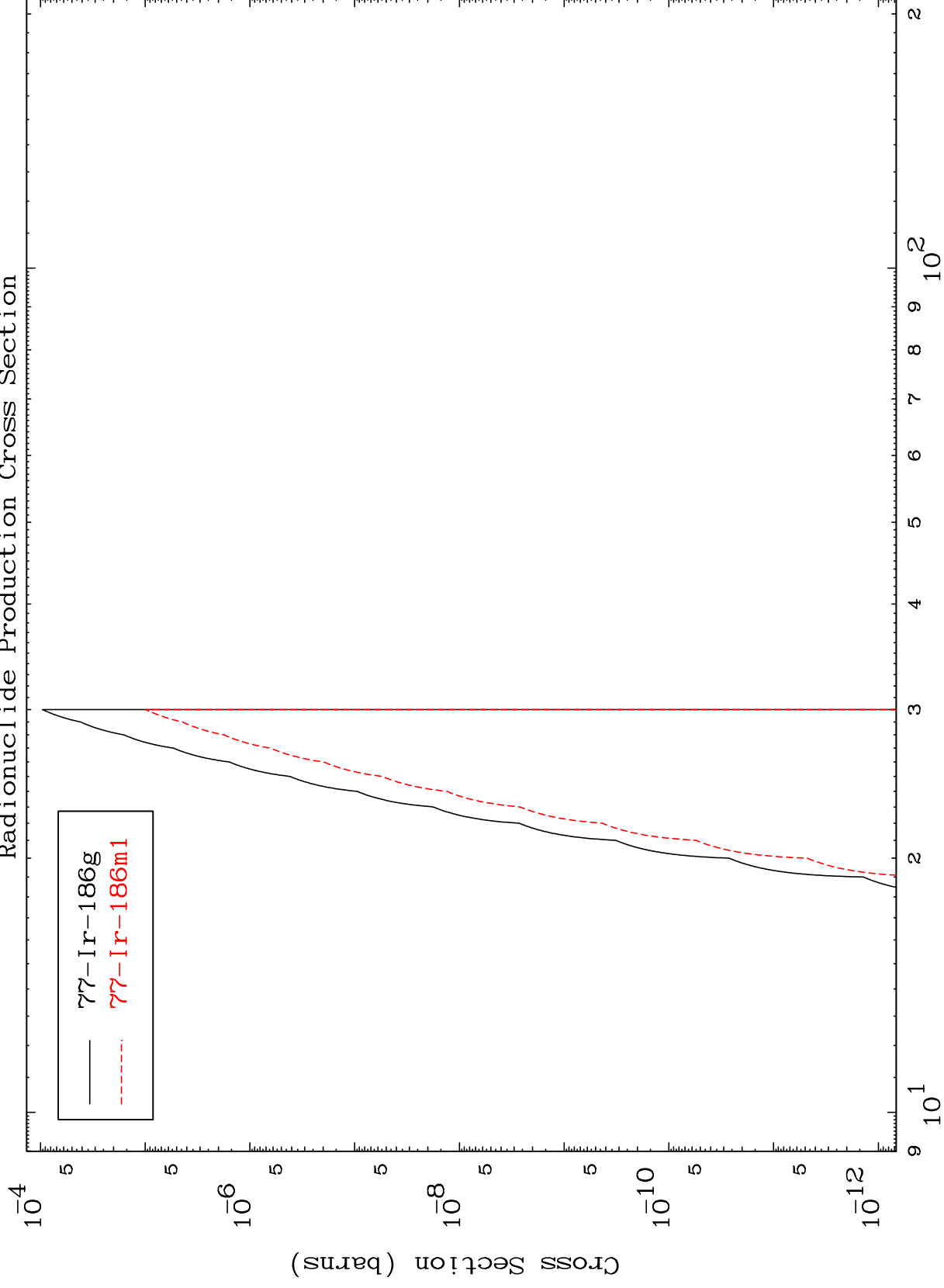


MAT 7901

(n,n') He-3

79-Au-189

Radionuclide Production Cross Section



117

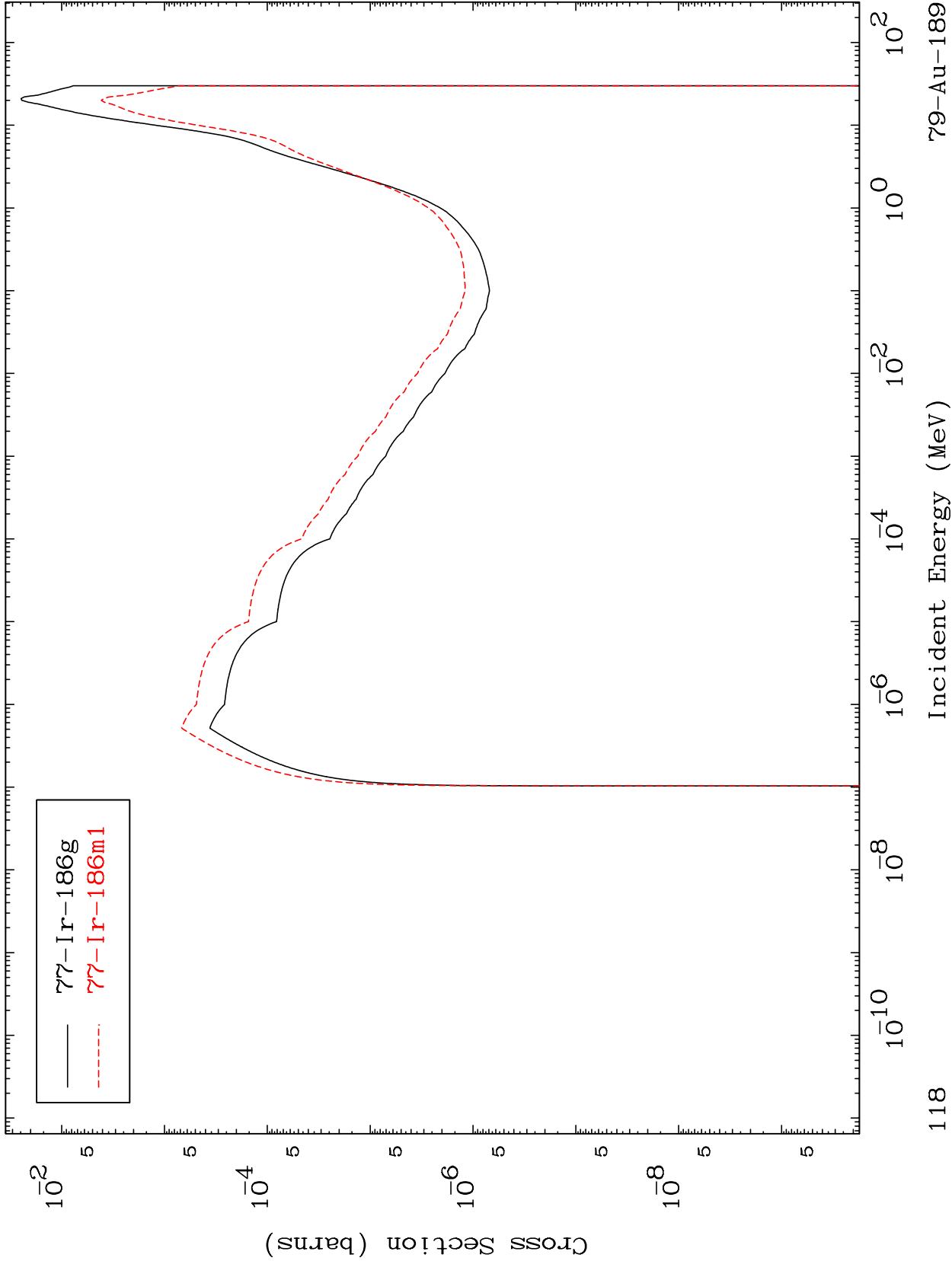
Incident Energy (MeV)

79-Au-189

MAT 7901

79-Au-189

(n, α)
Radionuclide Production Cross Section



118

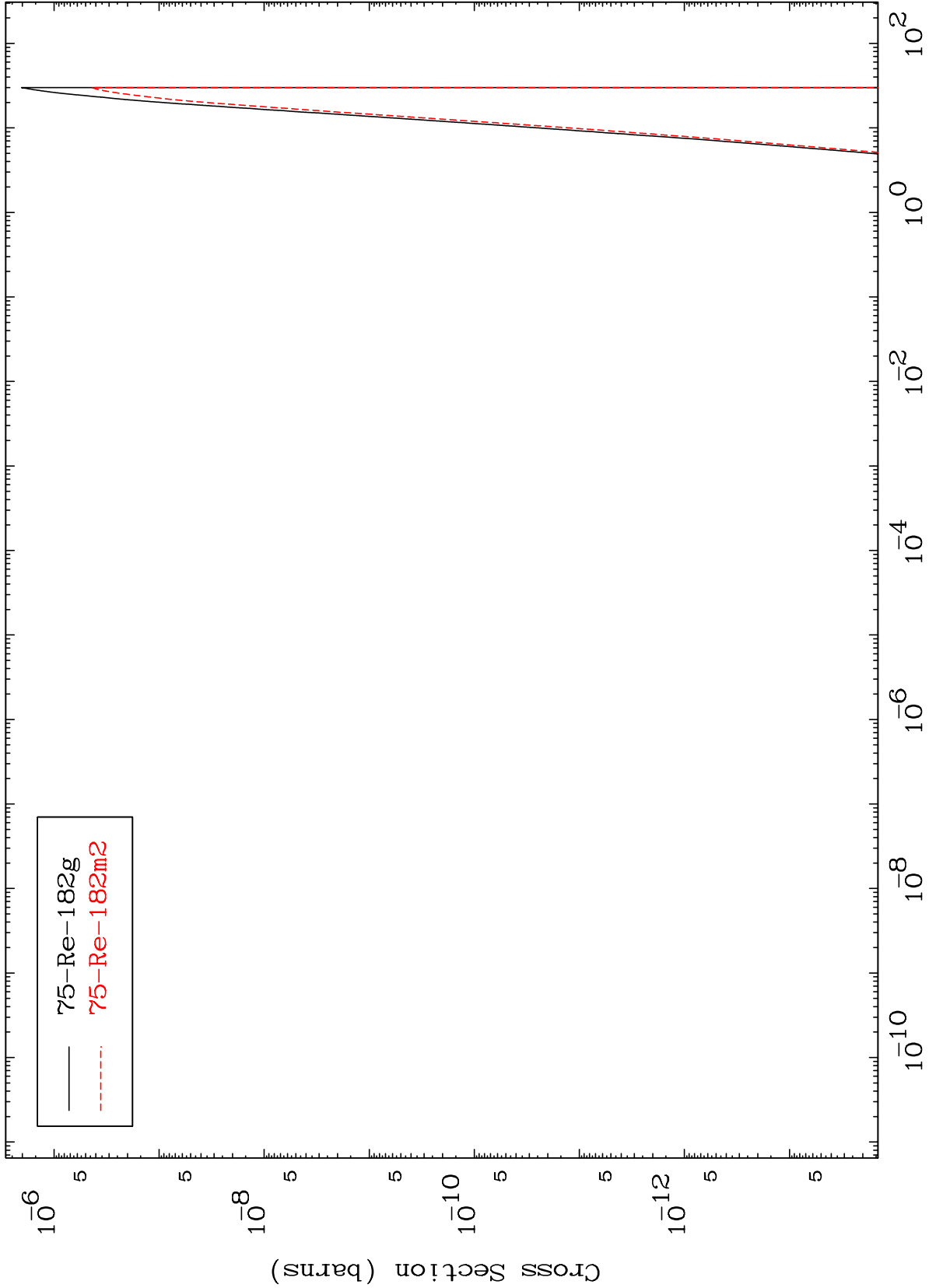
79-Au-189

MAT 7901

(n,2α)

79-Au-189

Radionuclide Production Cross Section



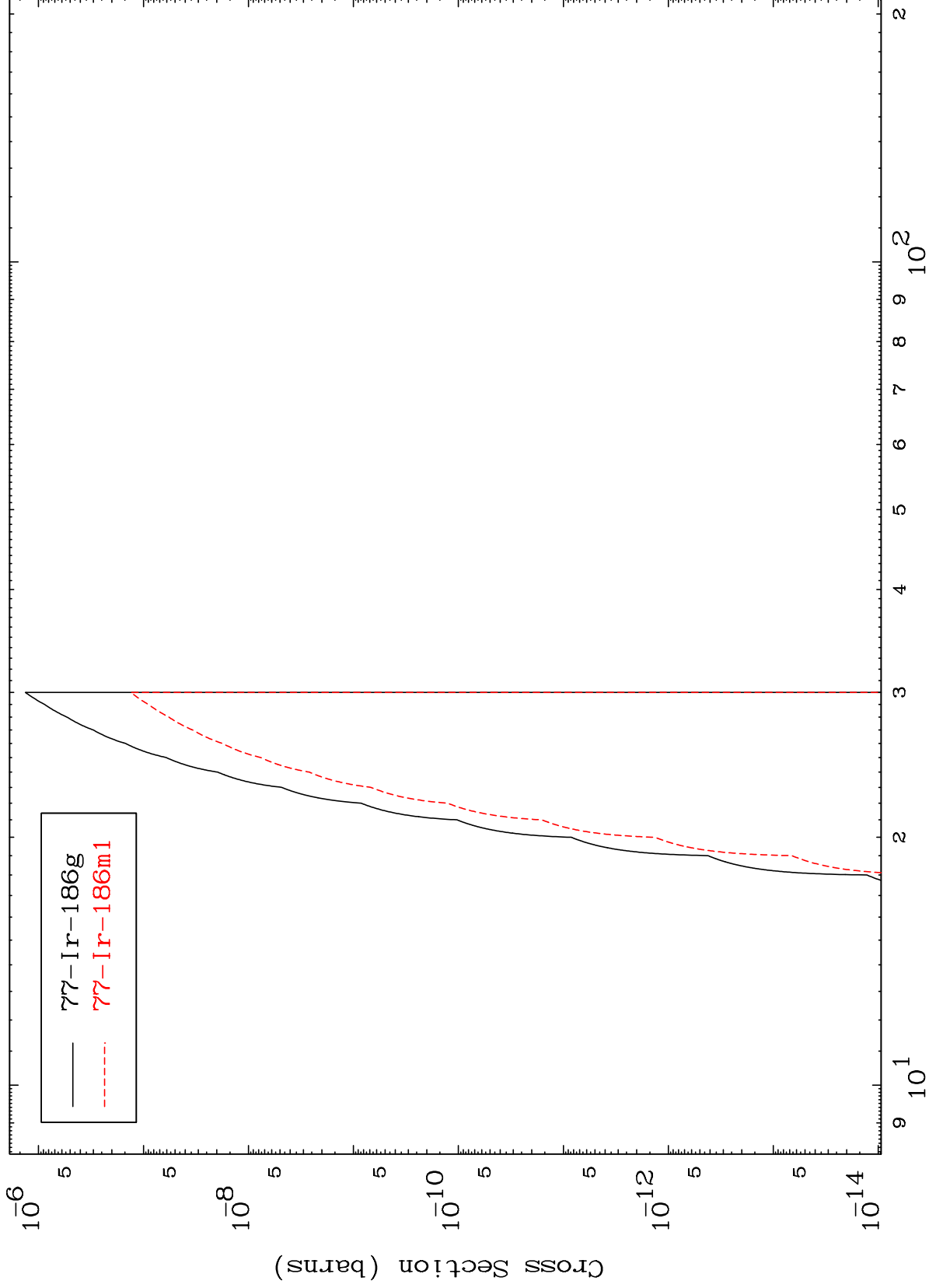
75-Re-182g
75-Re-182m2

MAT 7901

(n,p) t

79-Au-189

Radionuclide Production Cross Section



120

Incident Energy (MeV)

79-Au-189