

Program EVALPLOT
(Version 2015-2)

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:home.comcast.net/~redcullen1

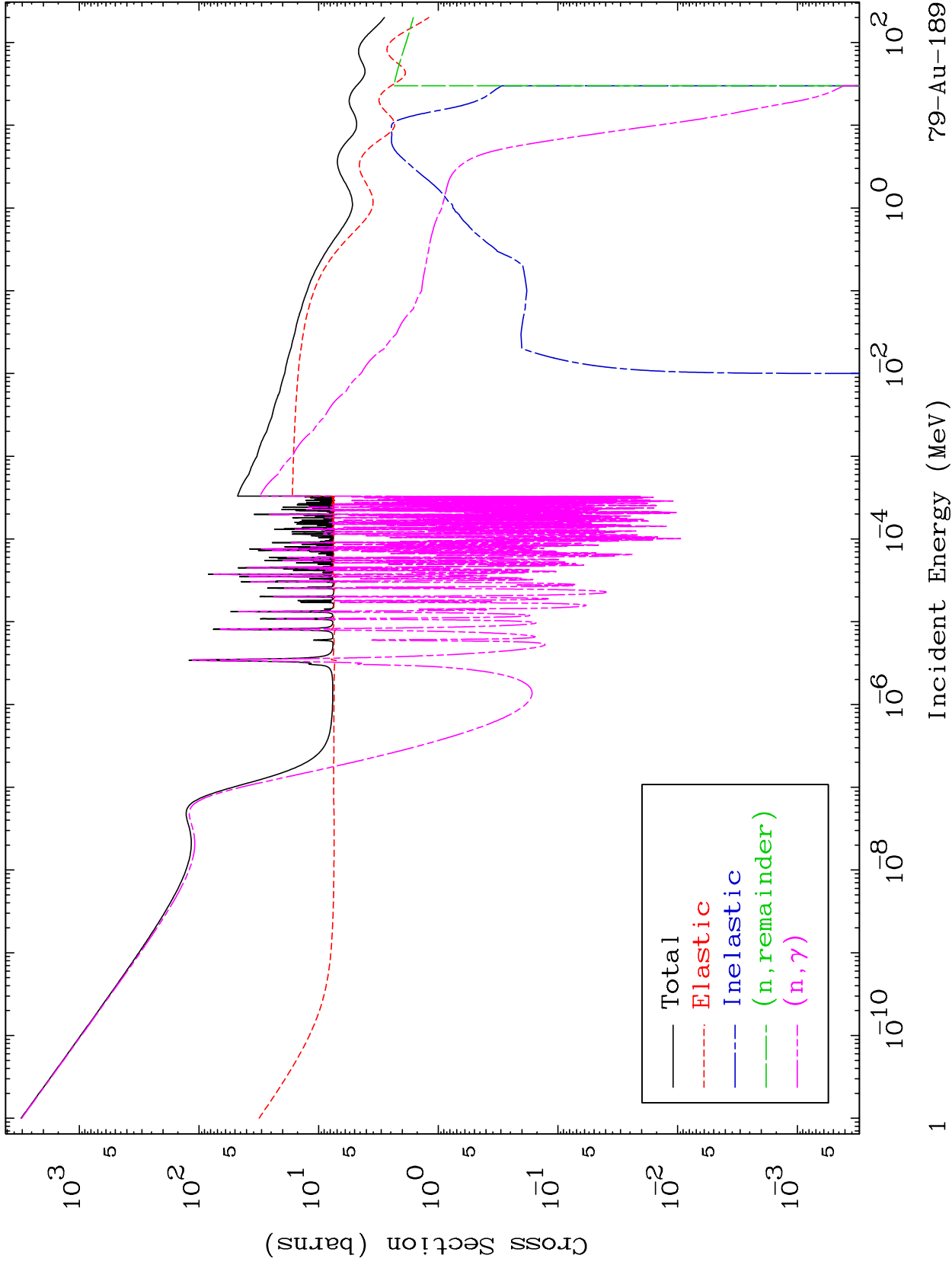
Press Mouse Button to Start

MAT 7901

Major

293 Kelvin Cross Sections

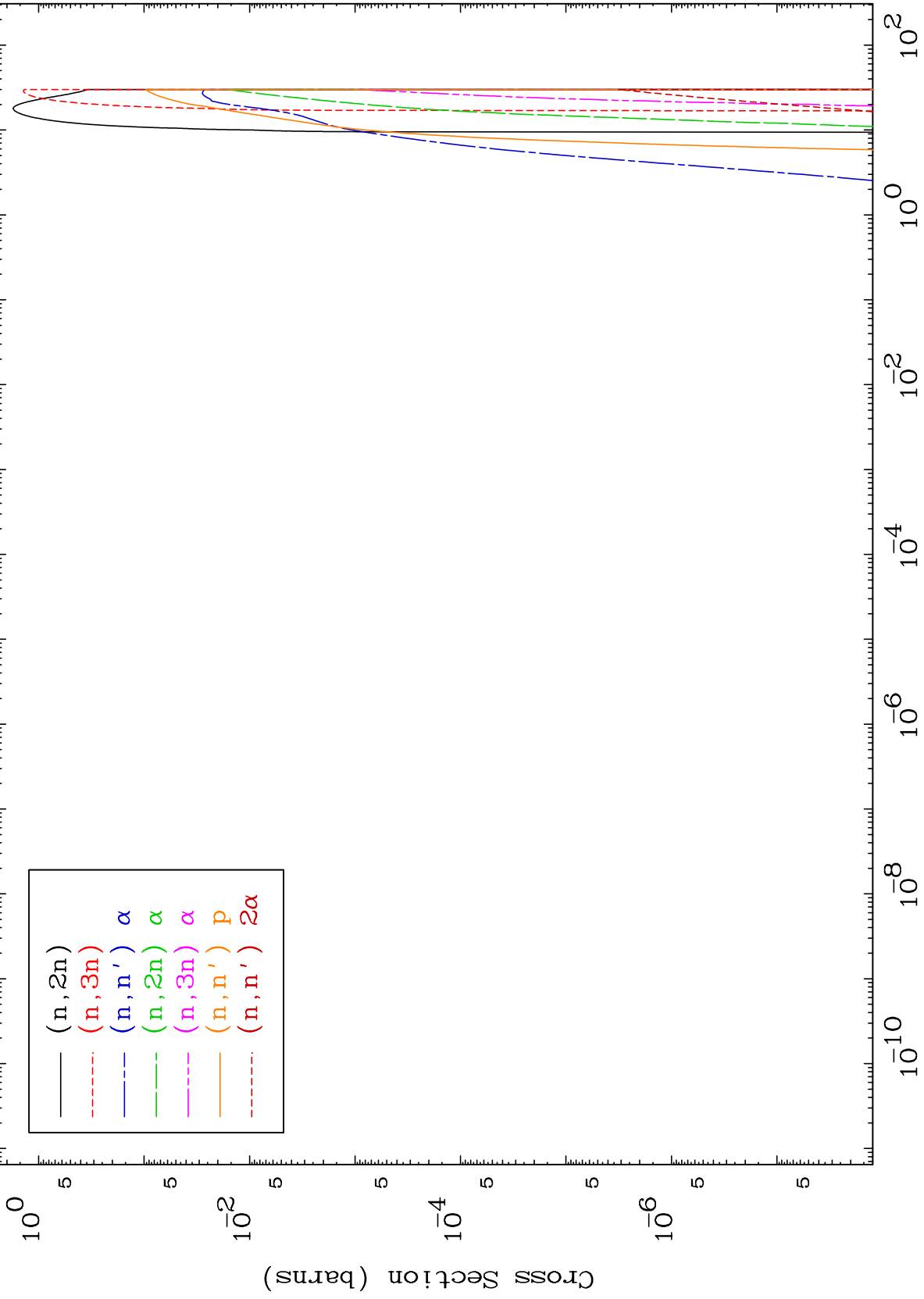
79-Au-189



MAT 7901

Neutron Production
293 Kelvin Cross Sections

79-Au-189



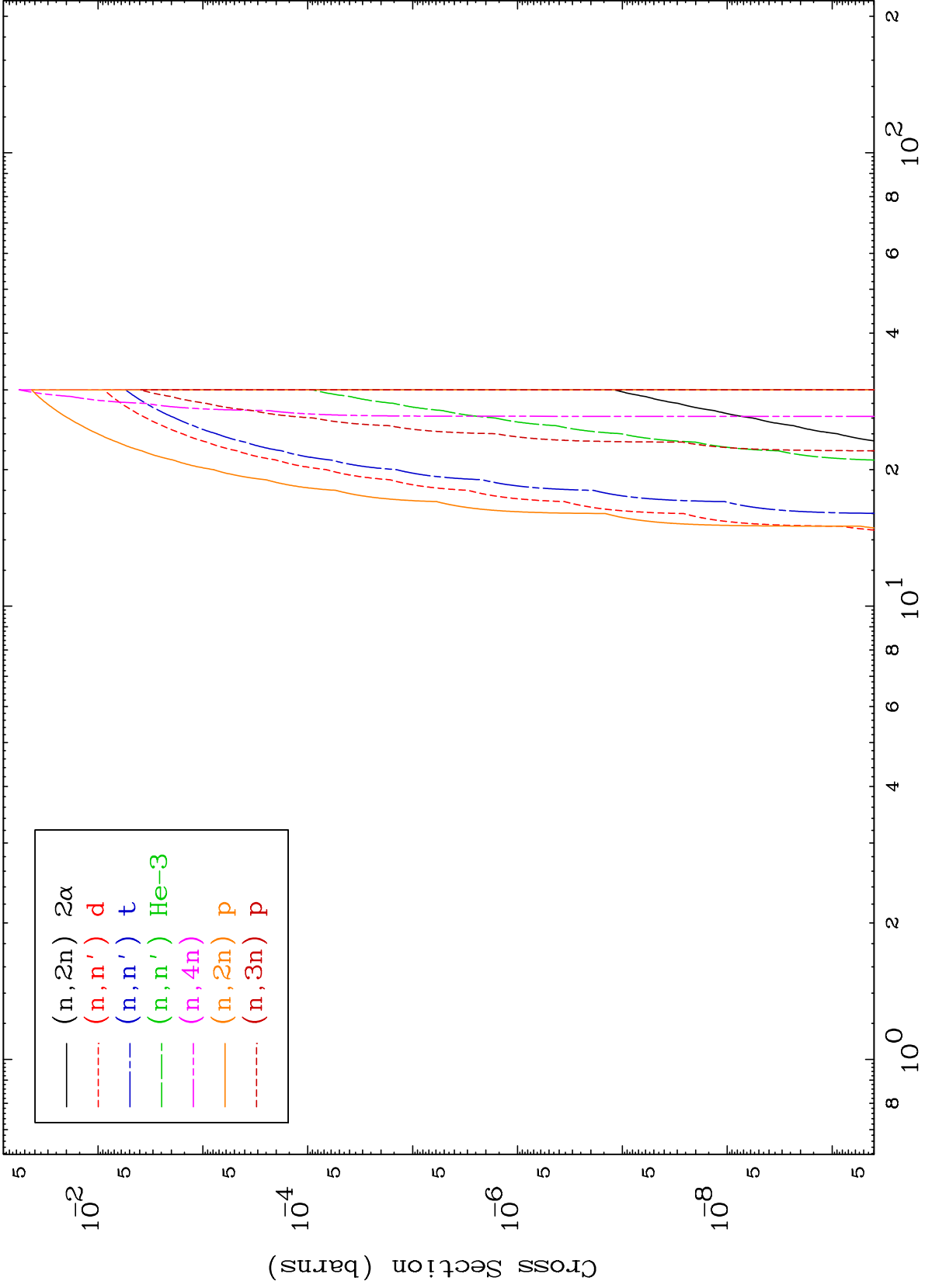
79-Au-189

Incident Energy (MeV)

MAT 7901

Neutron Production
293 Kelvin Cross Sections

79-Au-189



3

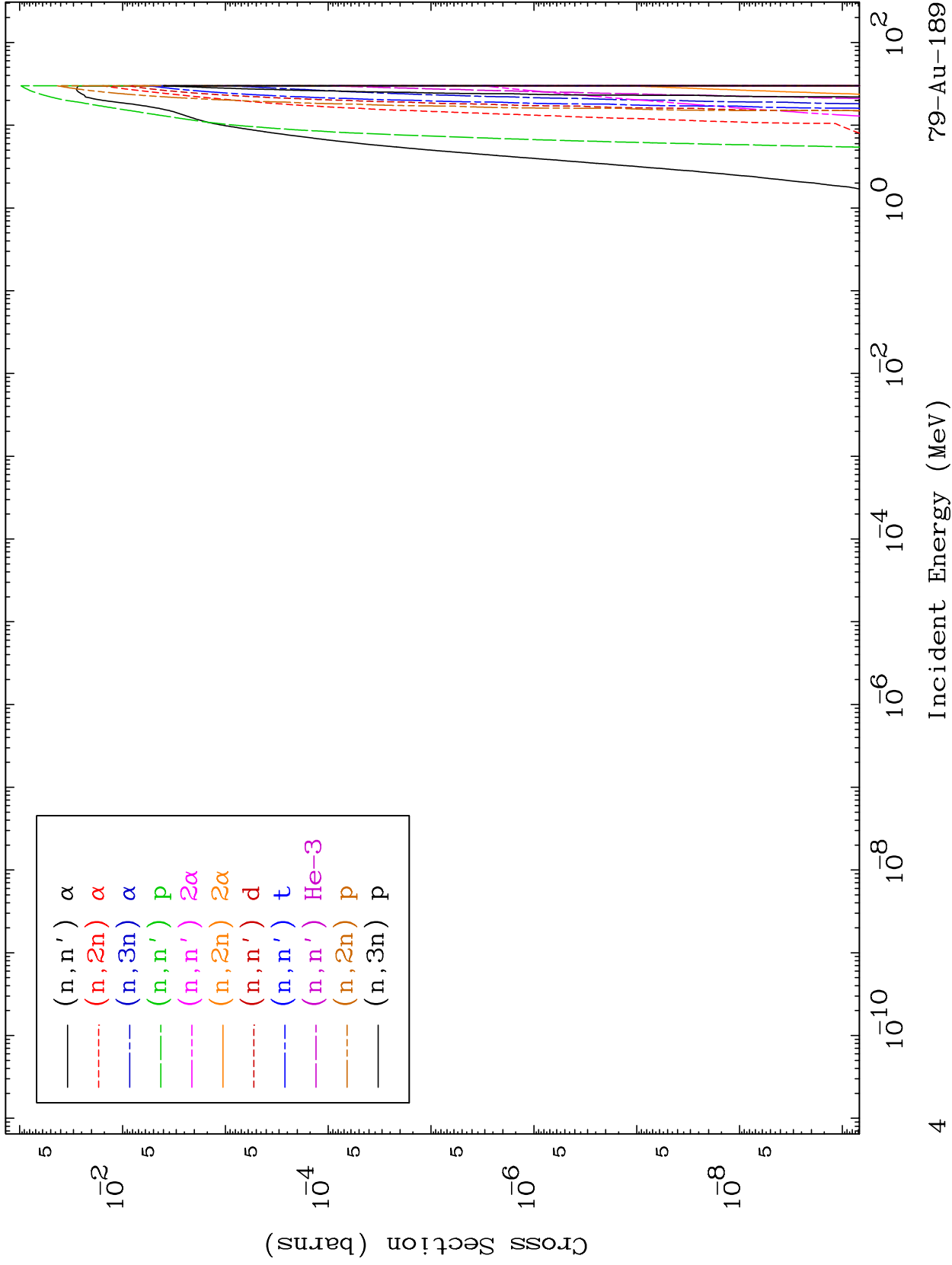
Incident Energy (MeV)

79-Au-189

MAT 7901

Charged Particle
293 Kelvin Cross Sections

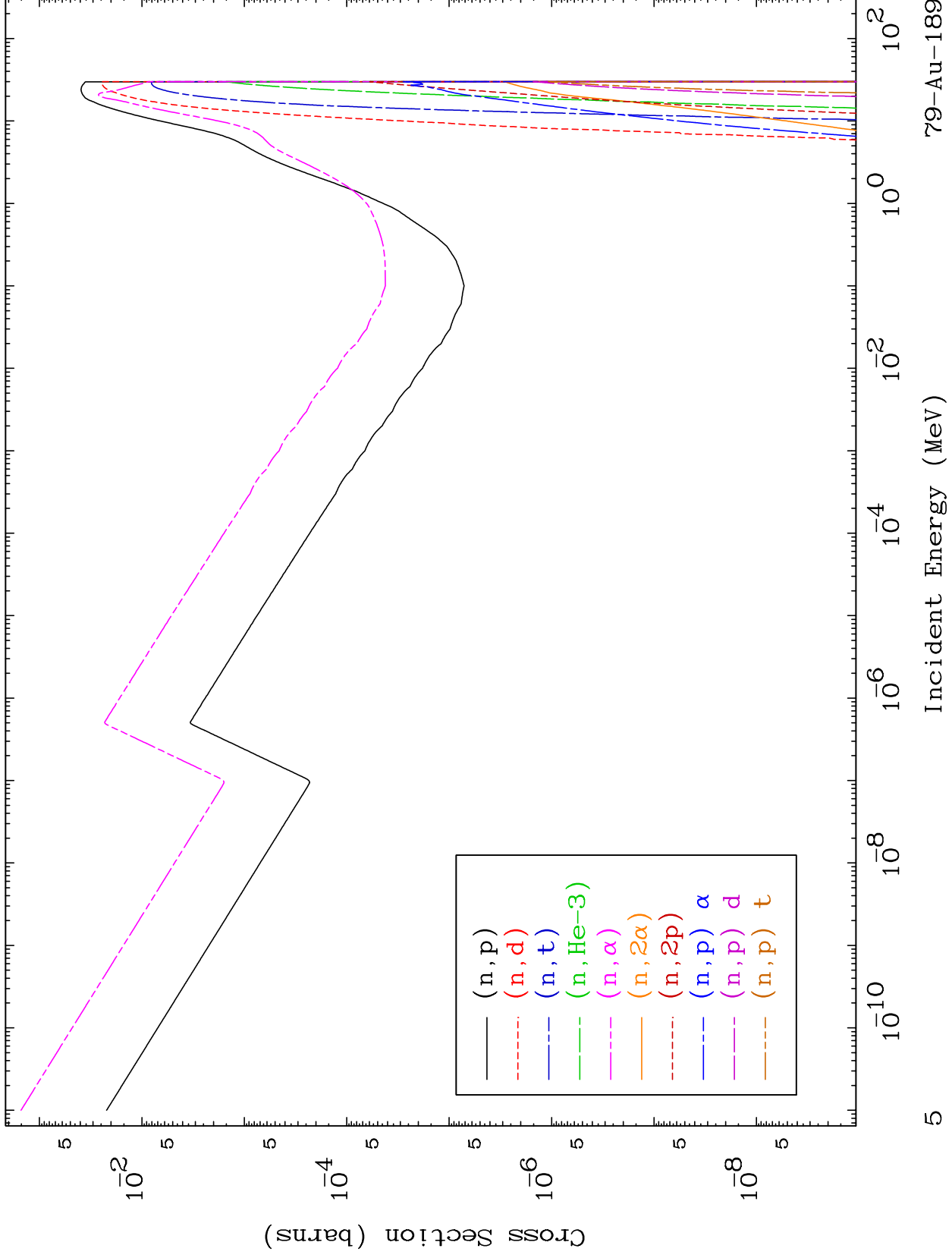
79-Au-189

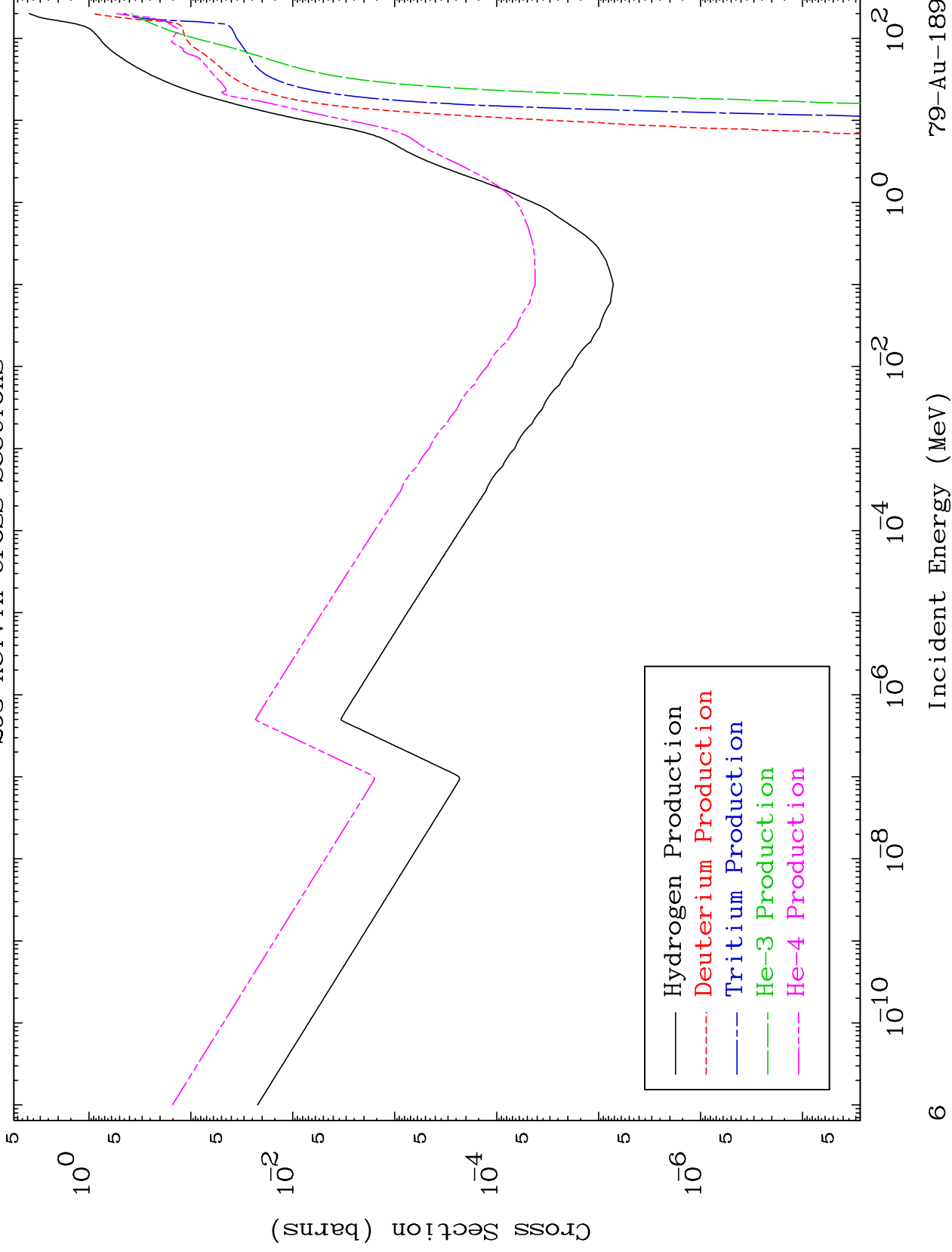


MAT 7901

Charged Particle
293 Kelvin Cross Sections

79-Au-189

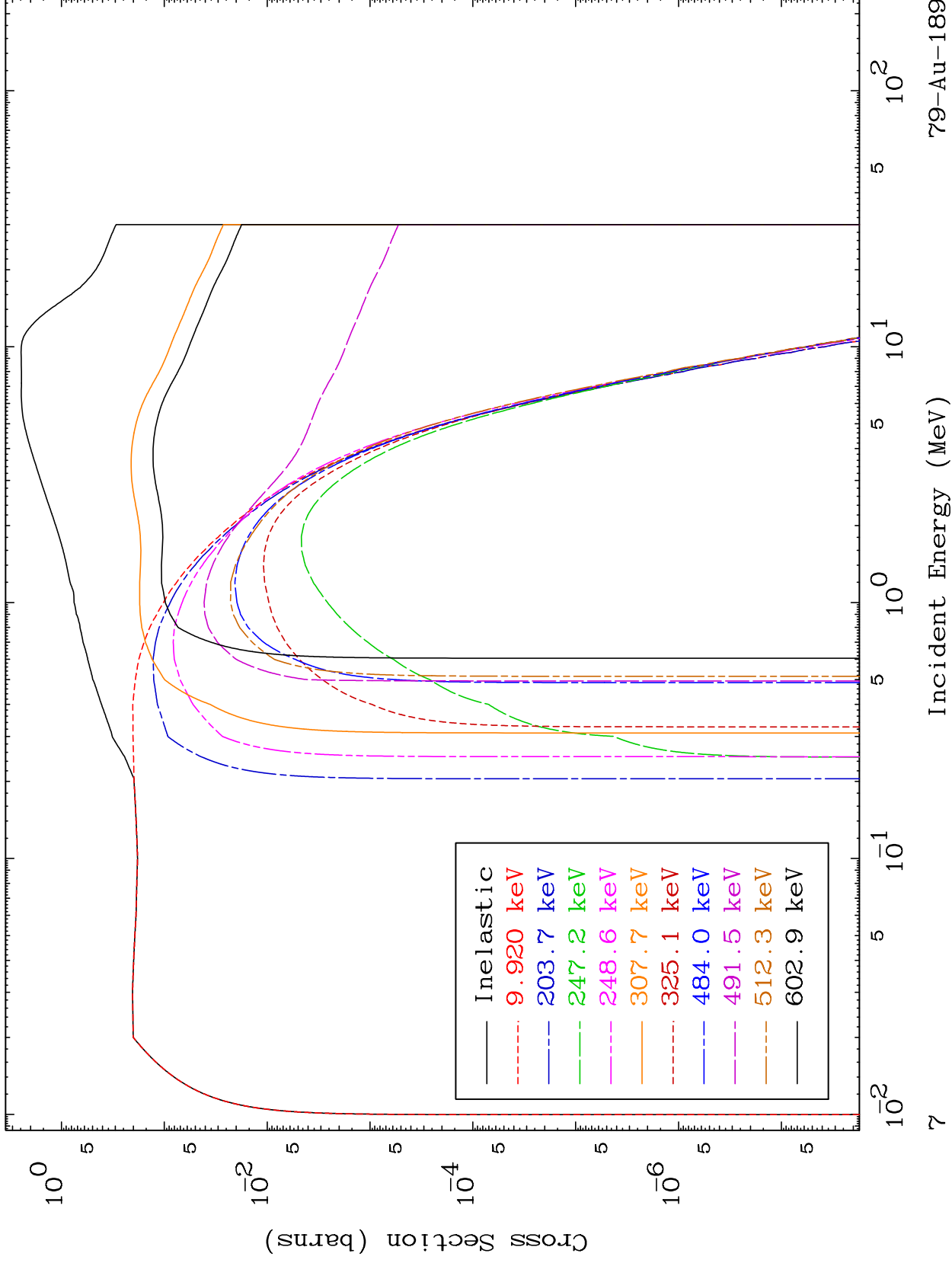




MAT 7901

(n,n') Level
293 Kelvin Cross Sections

79-Au-189



79-Au-189

Incident Energy (MeV)

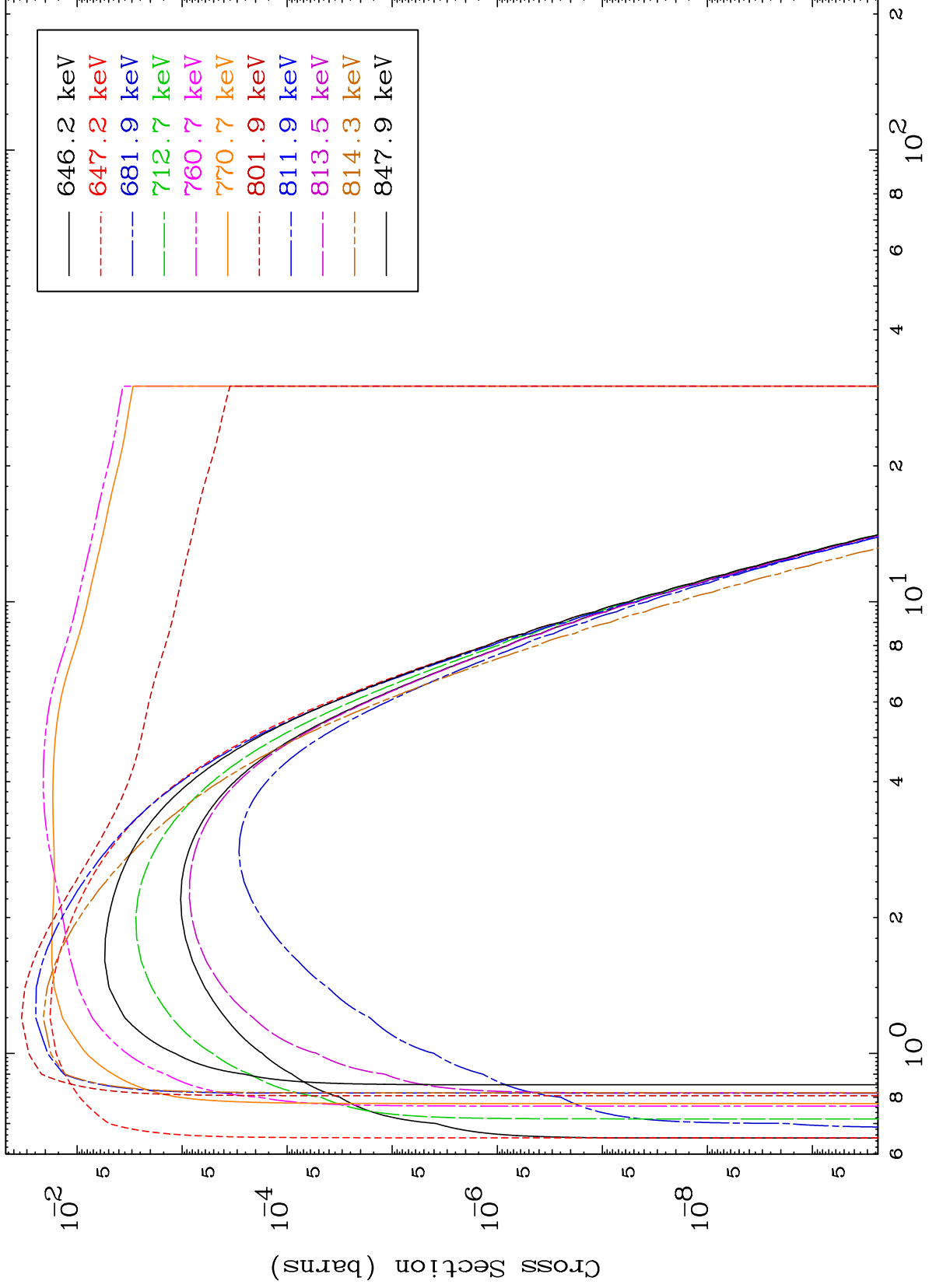
7

MAT 7901

(n,n') Level

79-Au-189

293 Kelvin Cross Sections



8

Incident Energy (MeV)

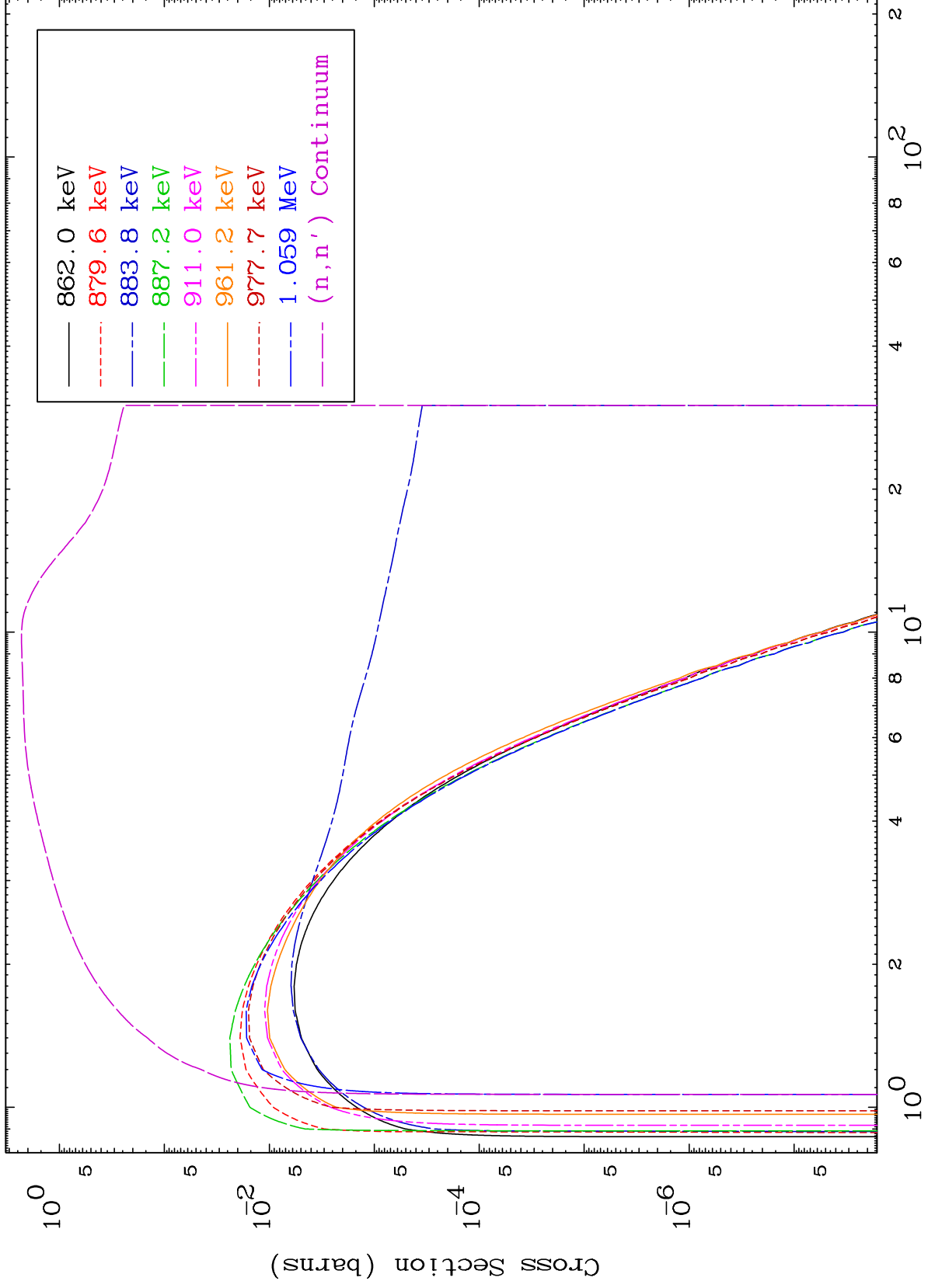
79-Au-189

MAT 7901

(n,n') Level

79-Au-189

293 Kelvin Cross Sections



9

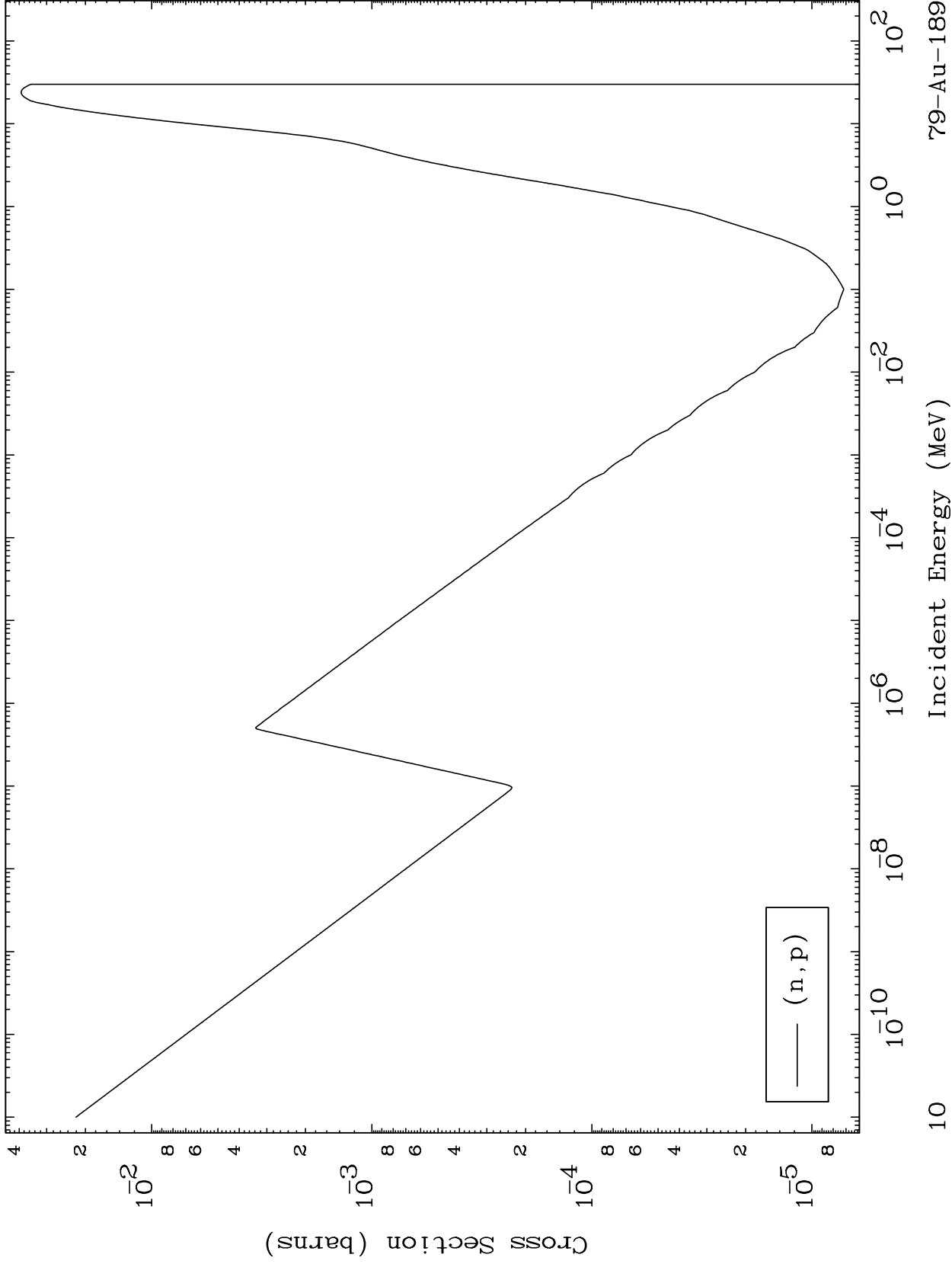
Incident Energy (MeV)

79-Au-189

MAT 7901

(n,p) Levels
293 Kelvin Cross Sections

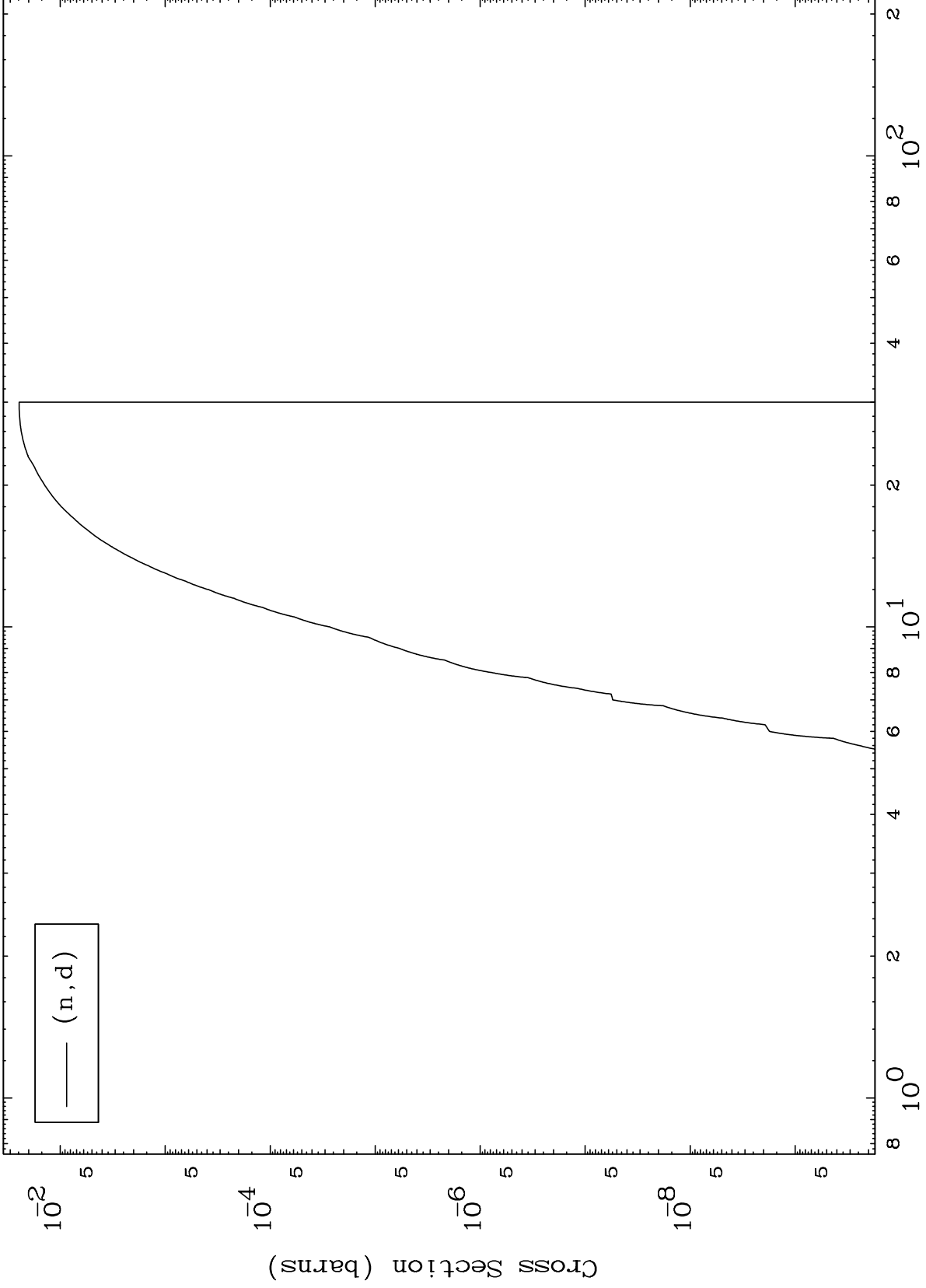
79-Au-189



MAT 7901

(n,d) Levels
293 Kelvin Cross Sections

79-Au-189



11

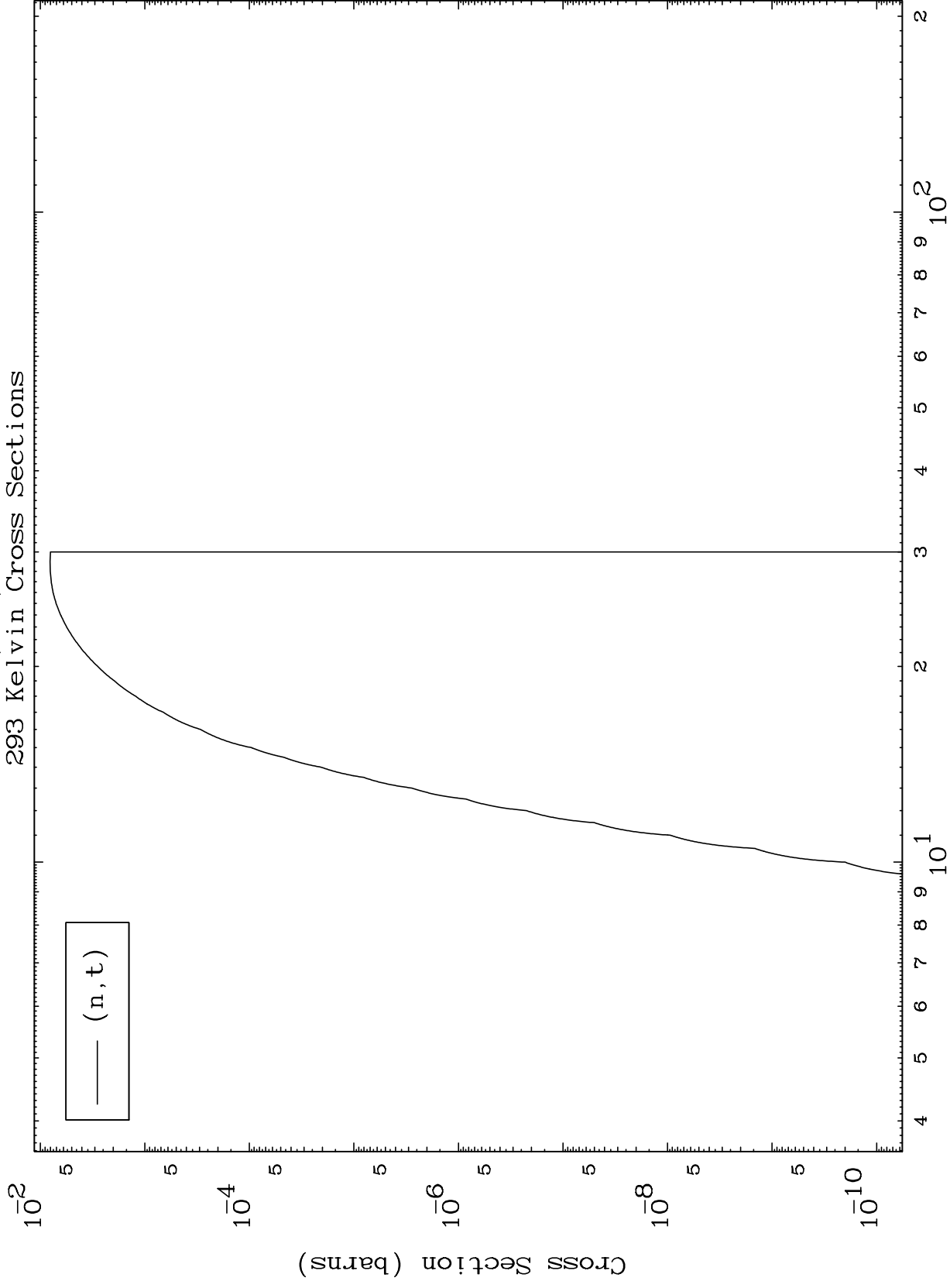
Incident Energy (MeV)

79-Au-189

MAT 7901

(n,t) Levels
293 Kelvin Cross Sections

79-Au-189



12

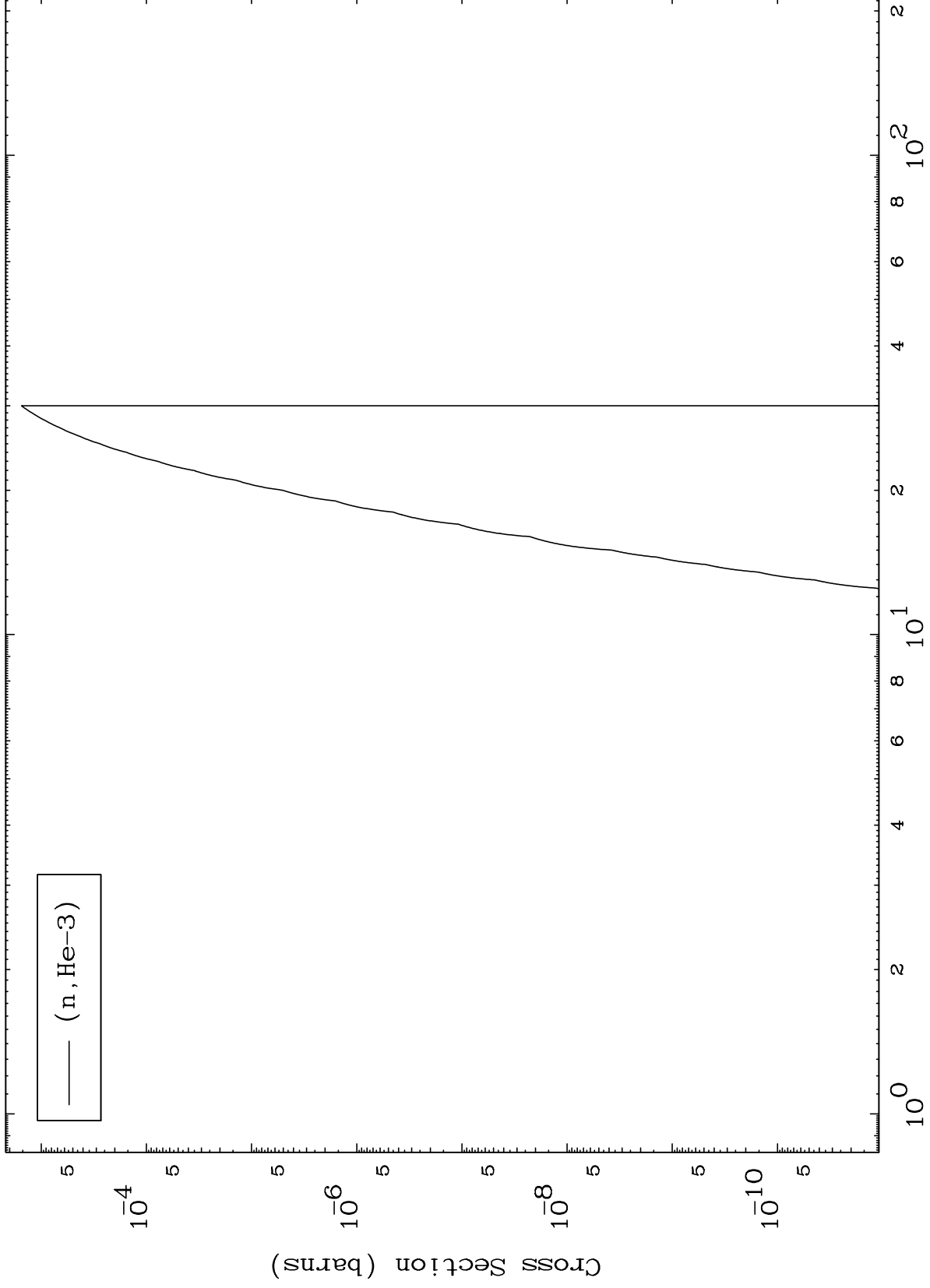
Incident Energy (MeV)

79-Au-189

MAT 7901

(n,He3) Levels
293 Kelvin Cross Sections

79-Au-189



13

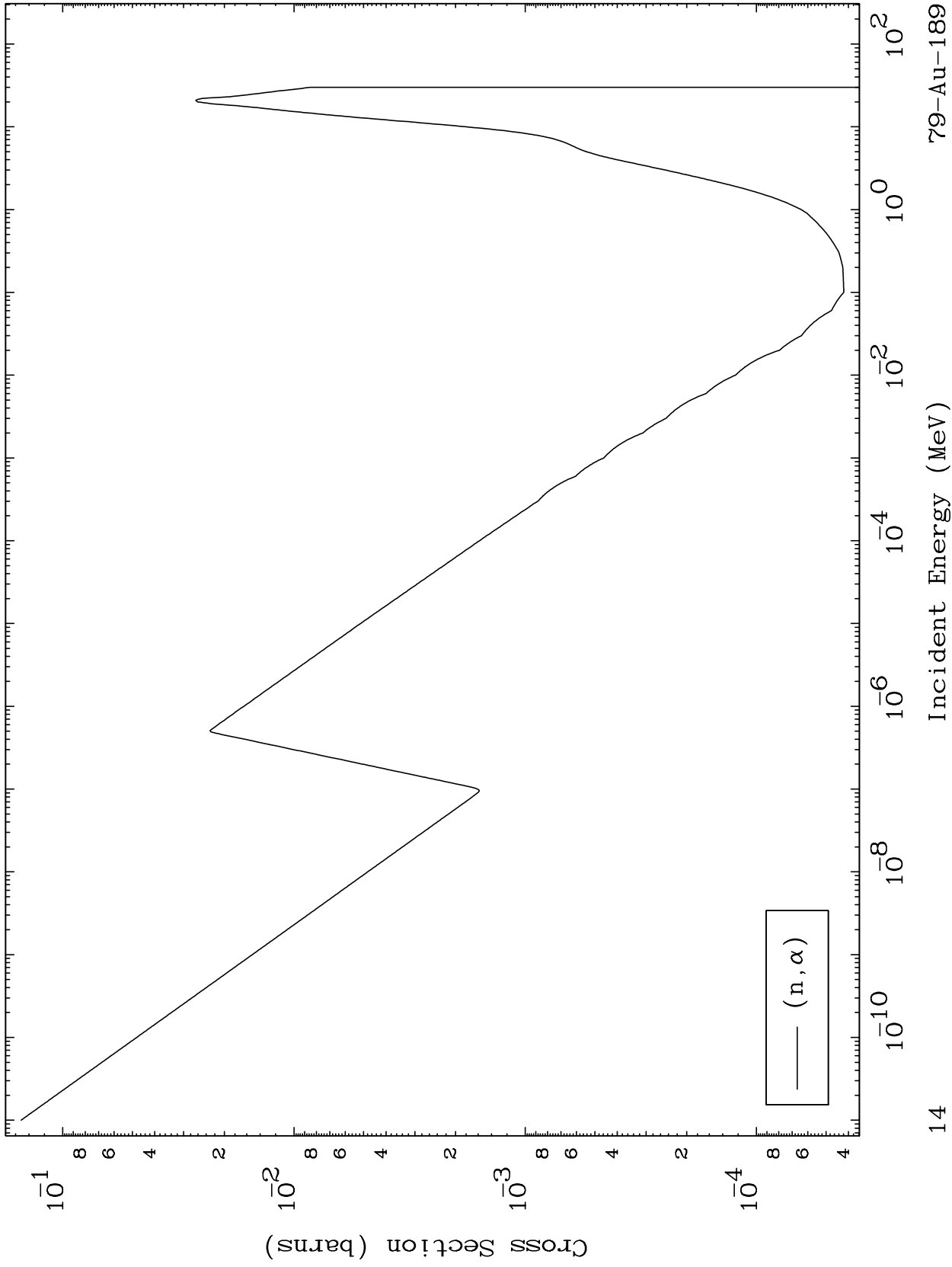
Incident Energy (MeV)

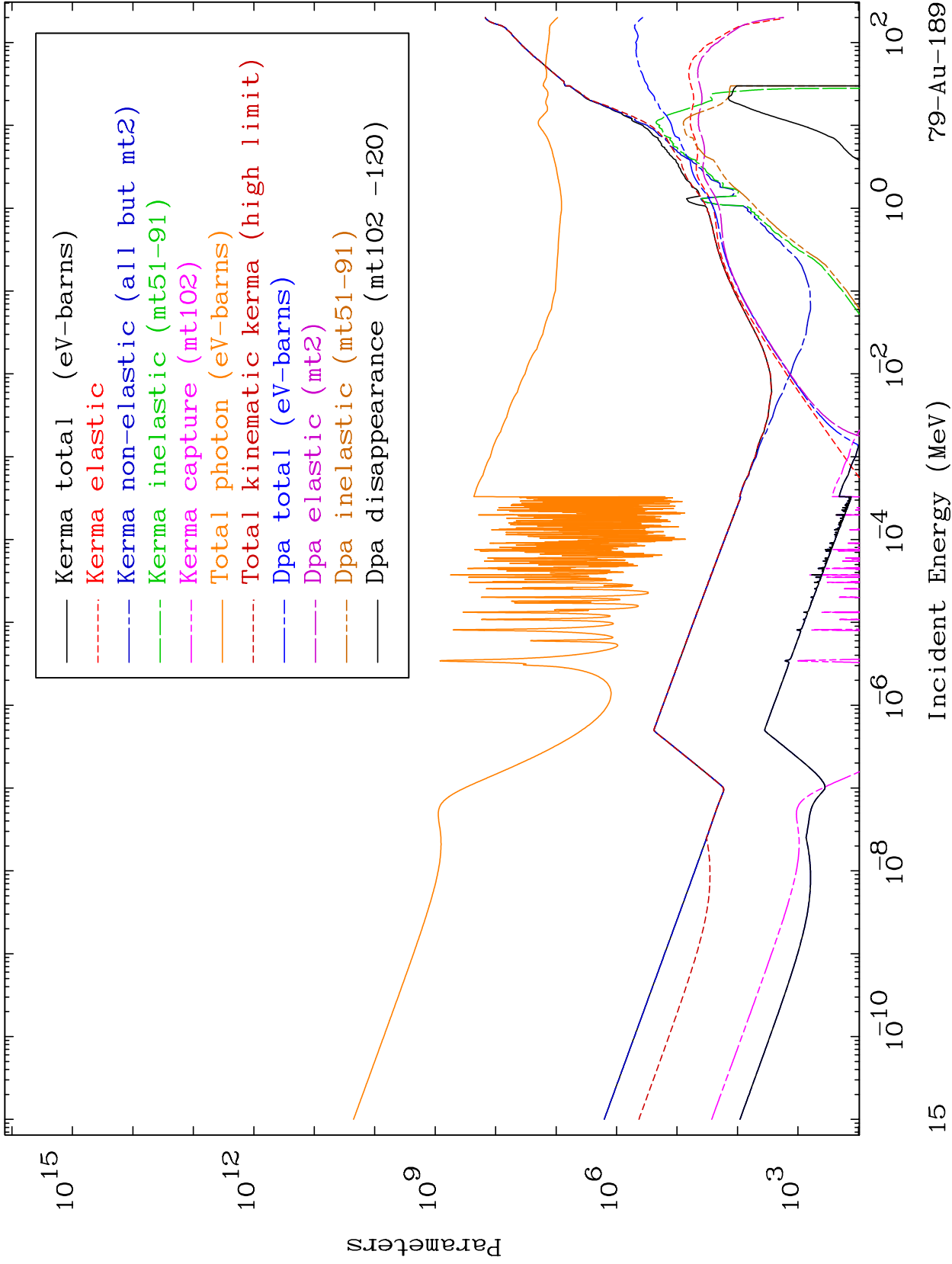
79-Au-189

MAT 7901

(n, α) Levels
293 Kelvin Cross Sections

79-Au-189

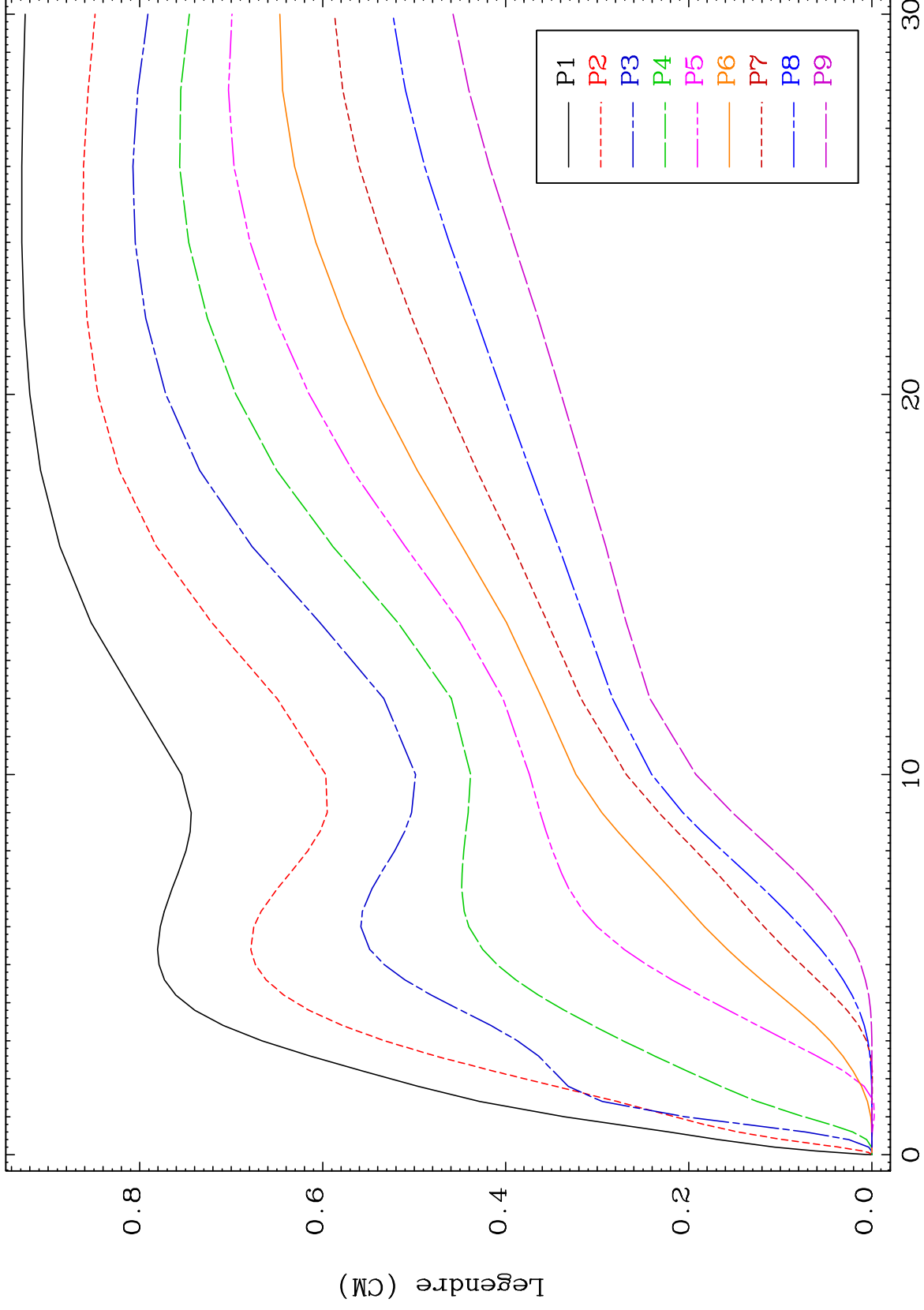




MAT 7901

79-Au-189

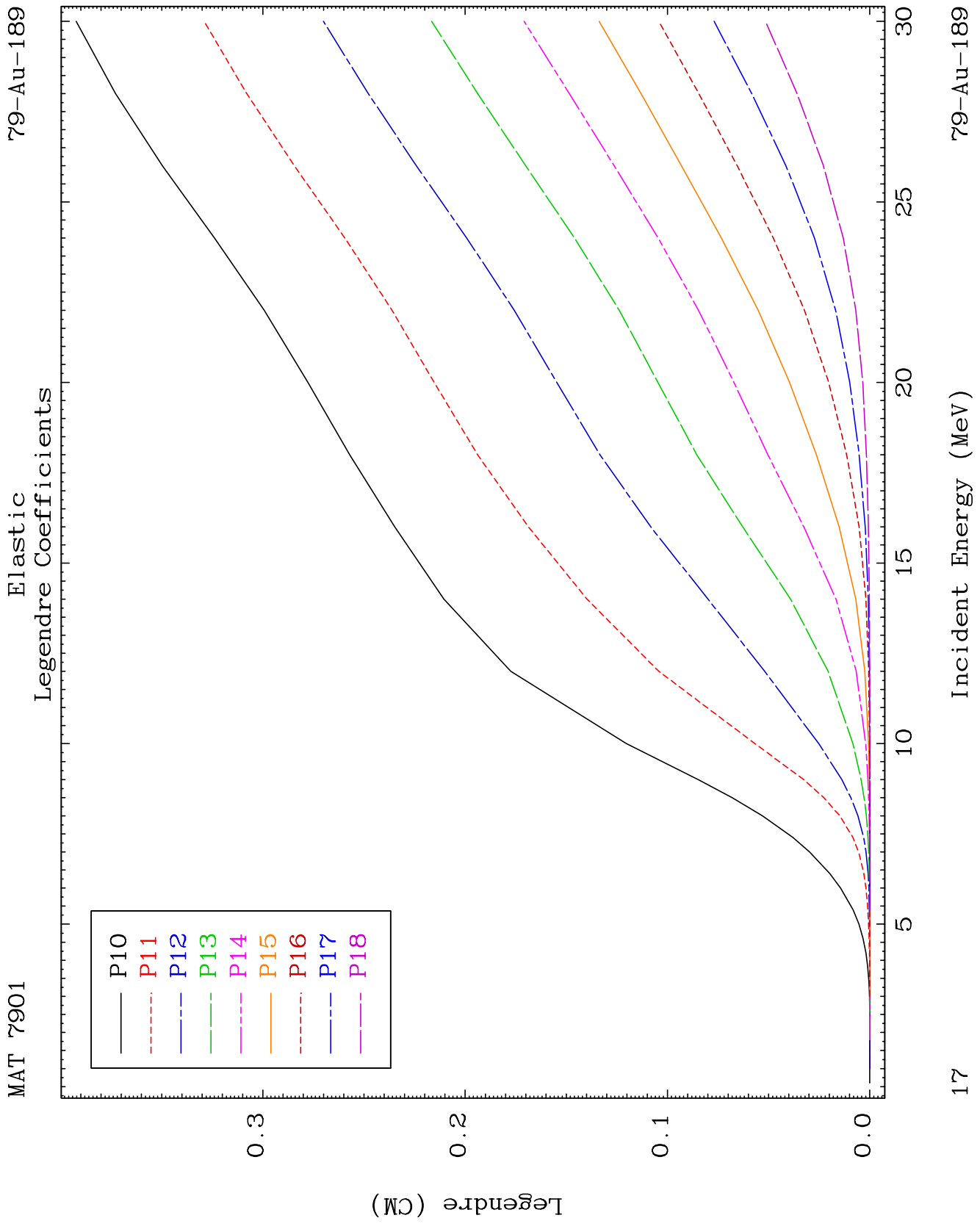
Elastic Legendre Coefficients



16

Incident Energy (MeV)

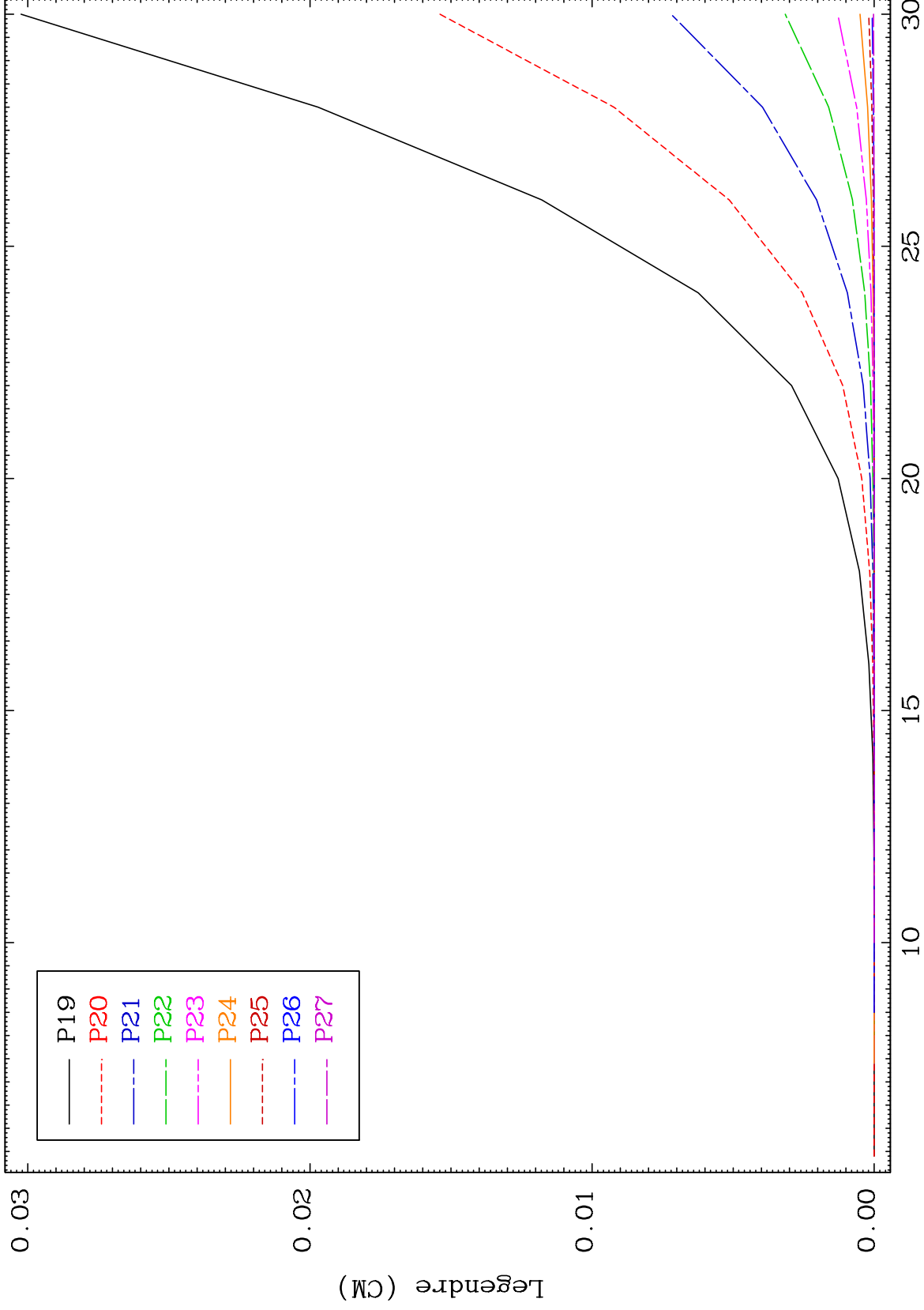
79-Au-189



MAT 7901

Elastic
Legendre Coefficients

79-Au-189



18

Incident Energy (MeV)

79-Au-189

30

25

20

15

10

Legendre (CM)

0.03

0.02

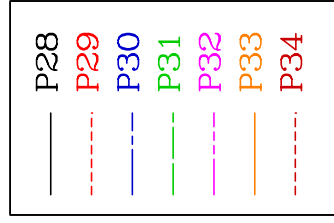
0.01

0.00

MAT 7901

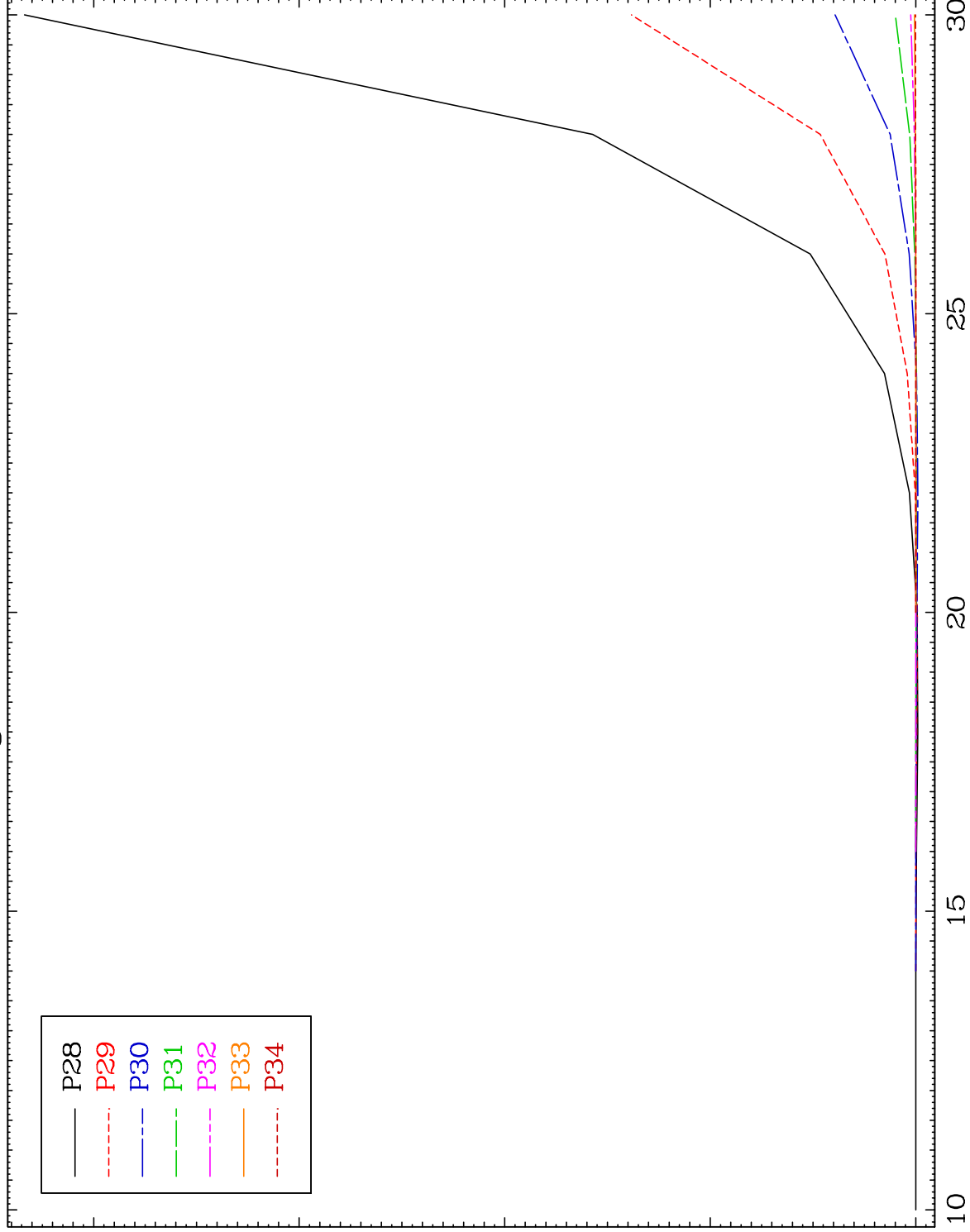
Elastic
Legendre Coefficients

79-Au-189



$\times 10^{-6}$

Legendre (CM)



10

15

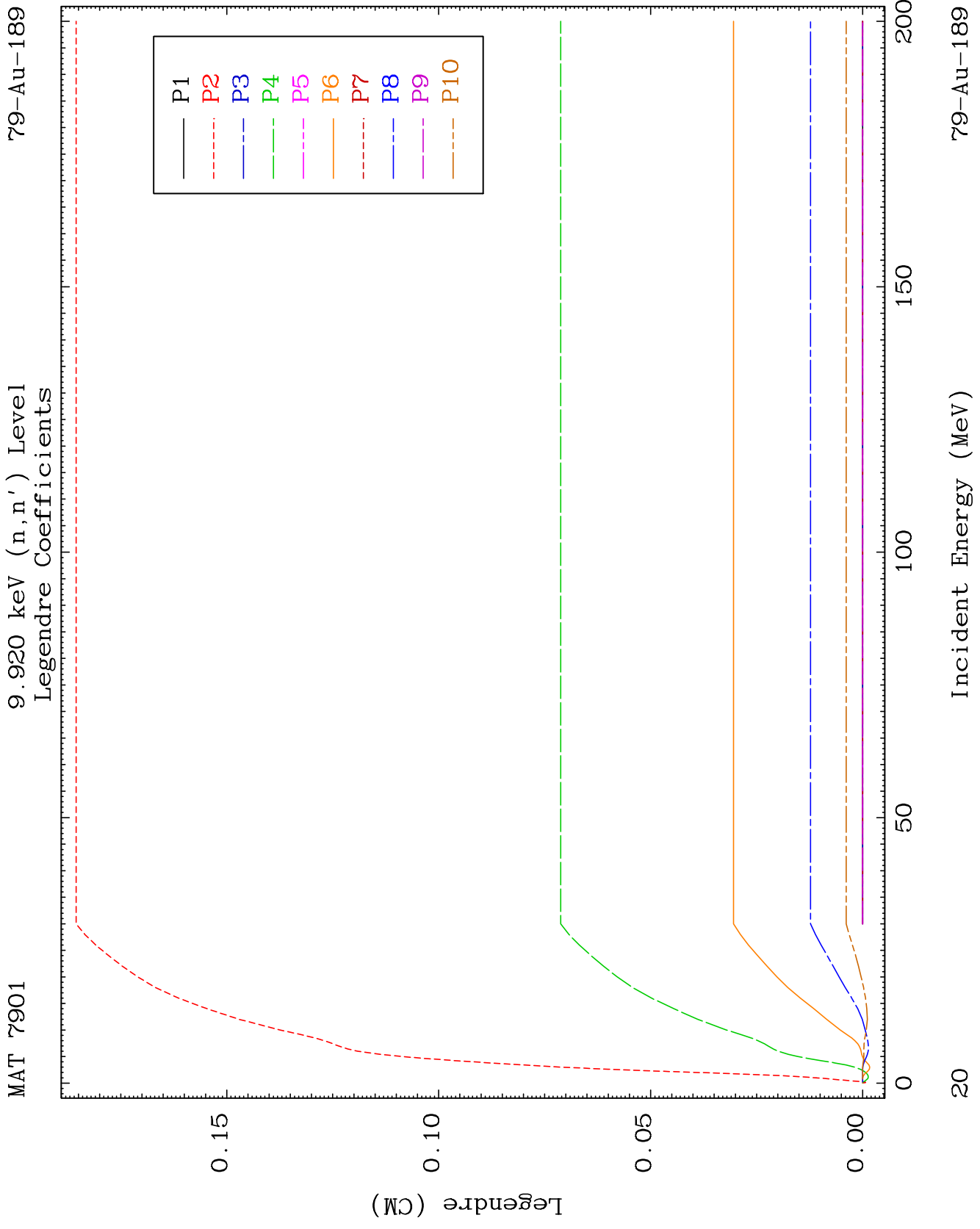
20

25

30

Incident Energy (MeV)

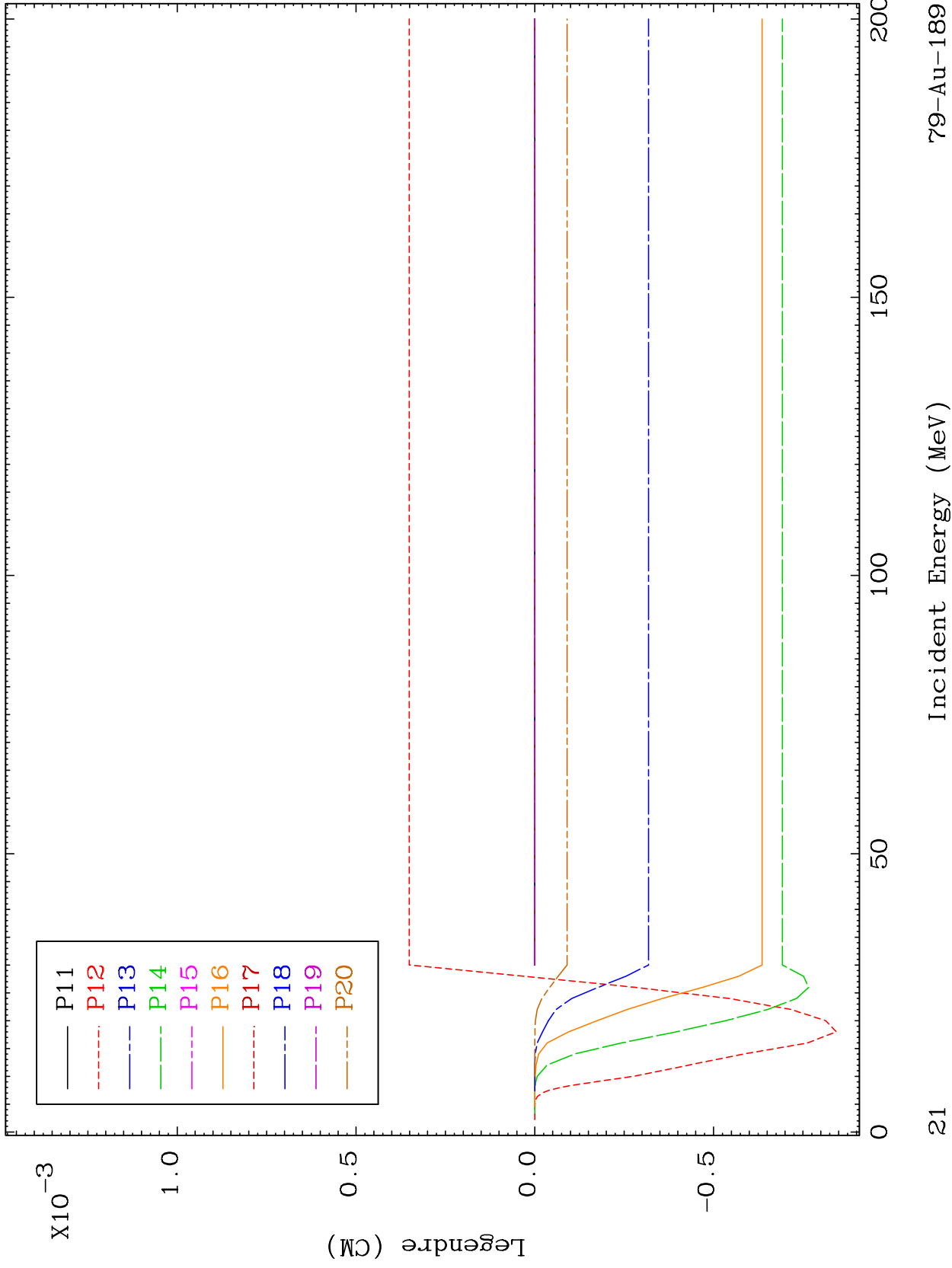
79-Au-189



MAT 7901

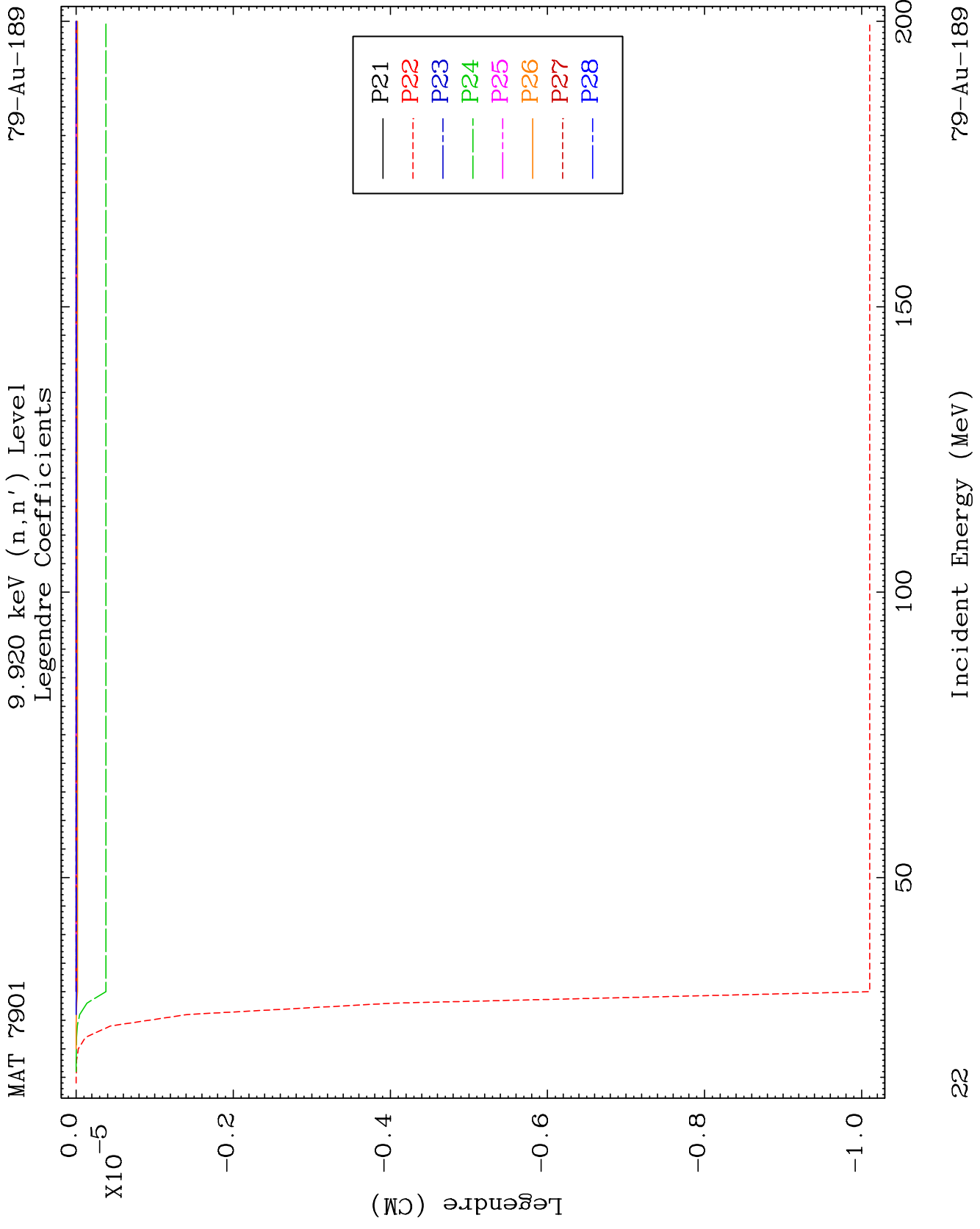
9.920 keV (n,n') Level
Legendre Coefficients

79-Au-189



21

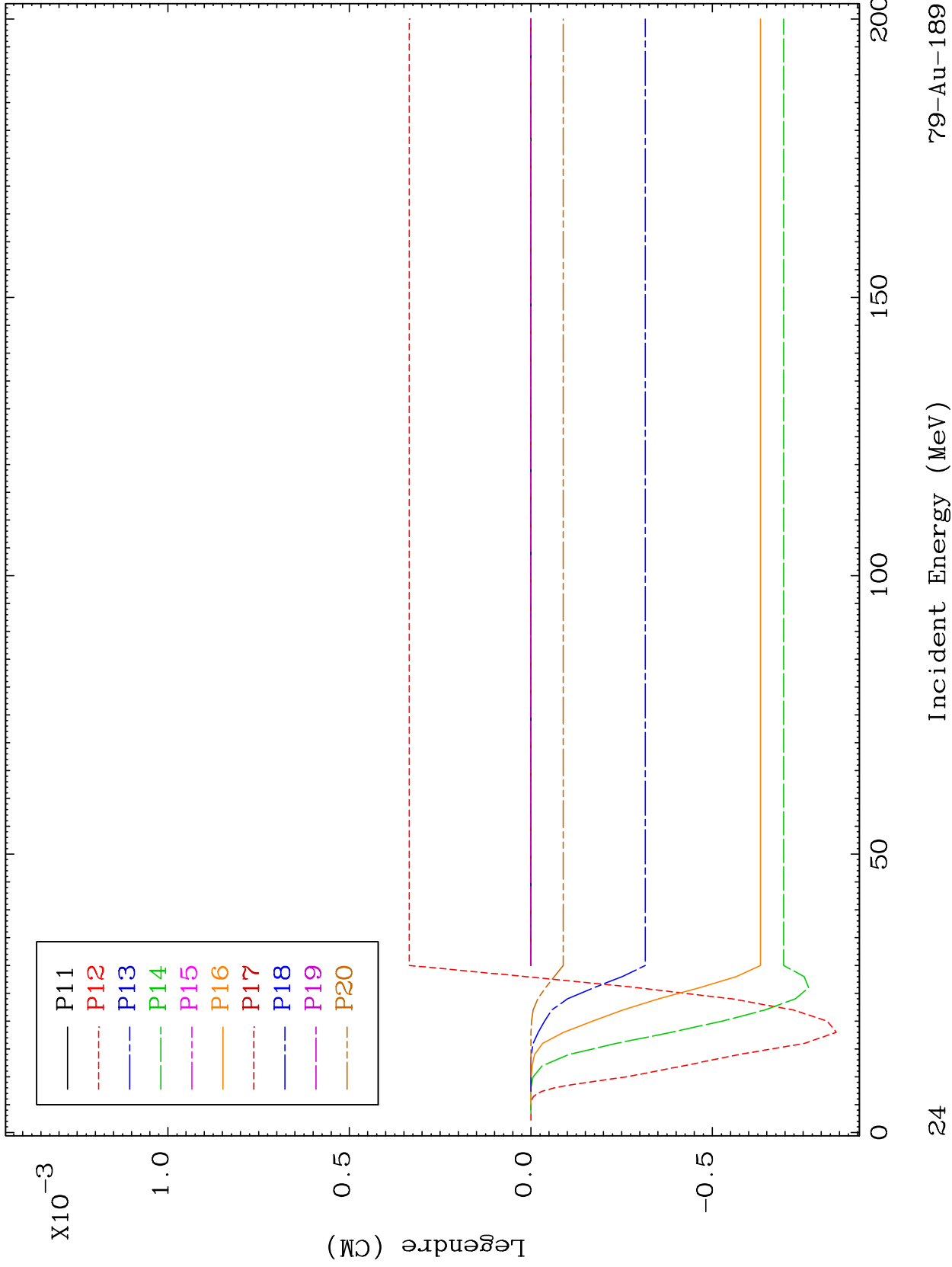
79-Au-189

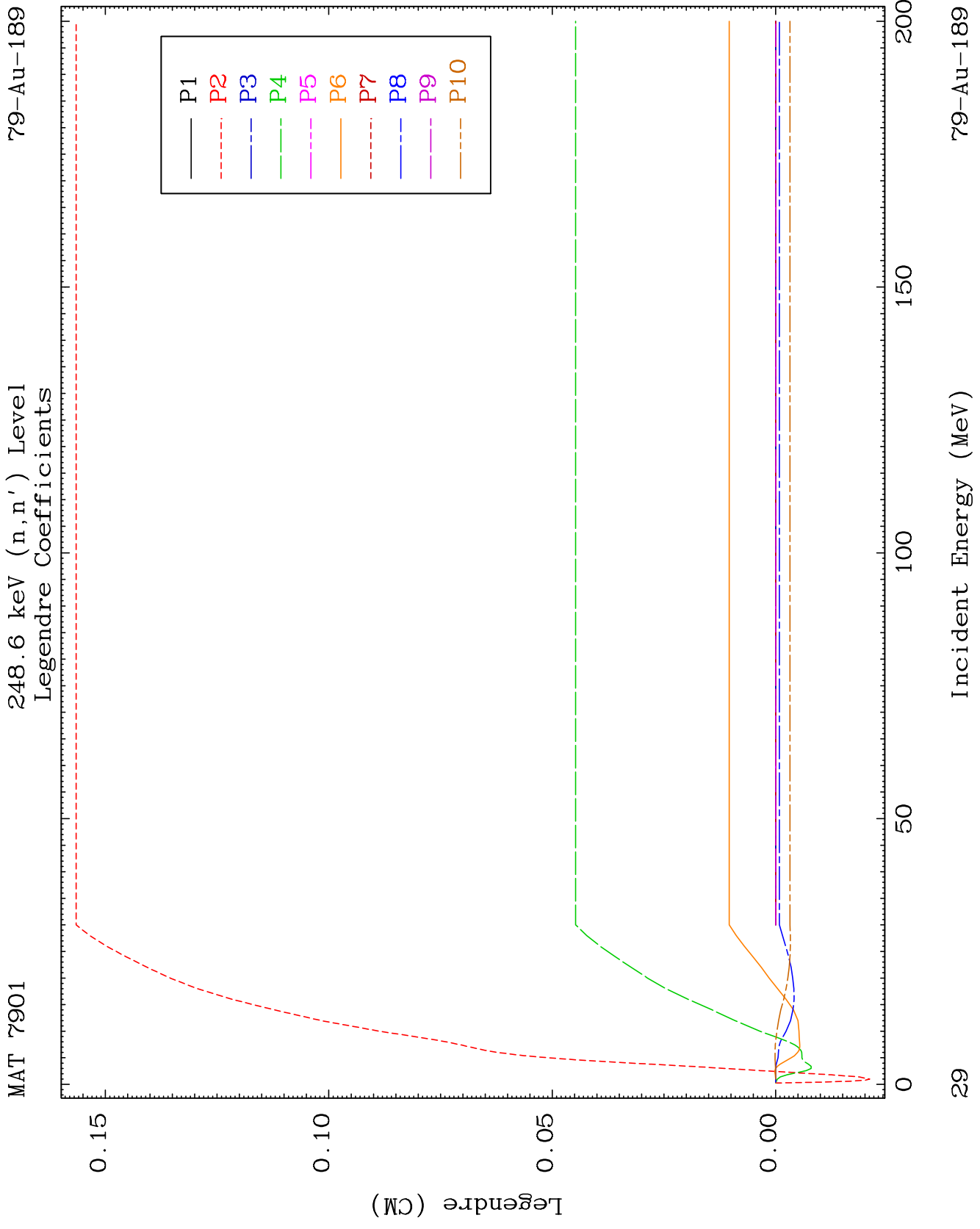


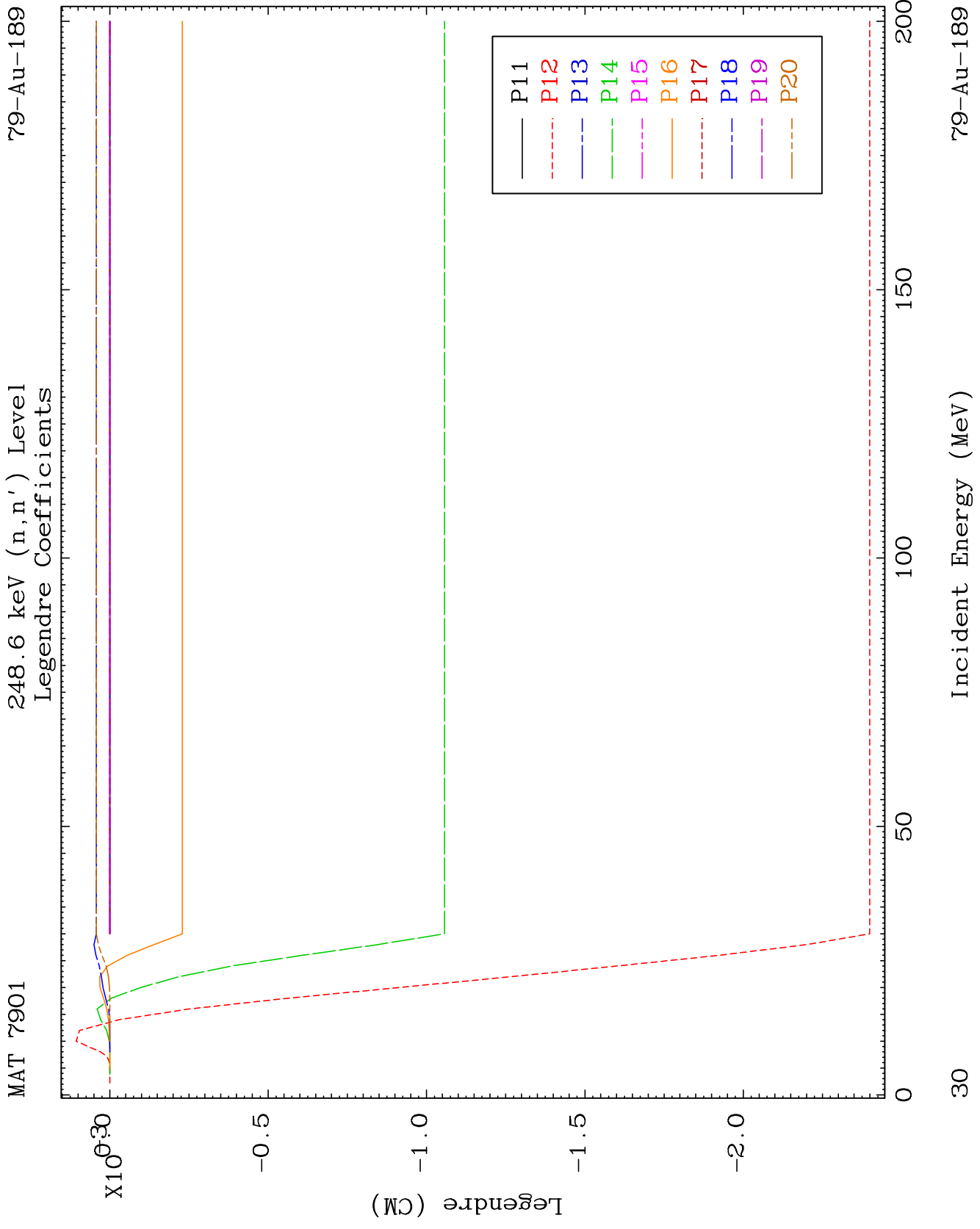
MAT 7901

203.7 keV (n, n') Level
Legendre Coefficients

79-Au-189



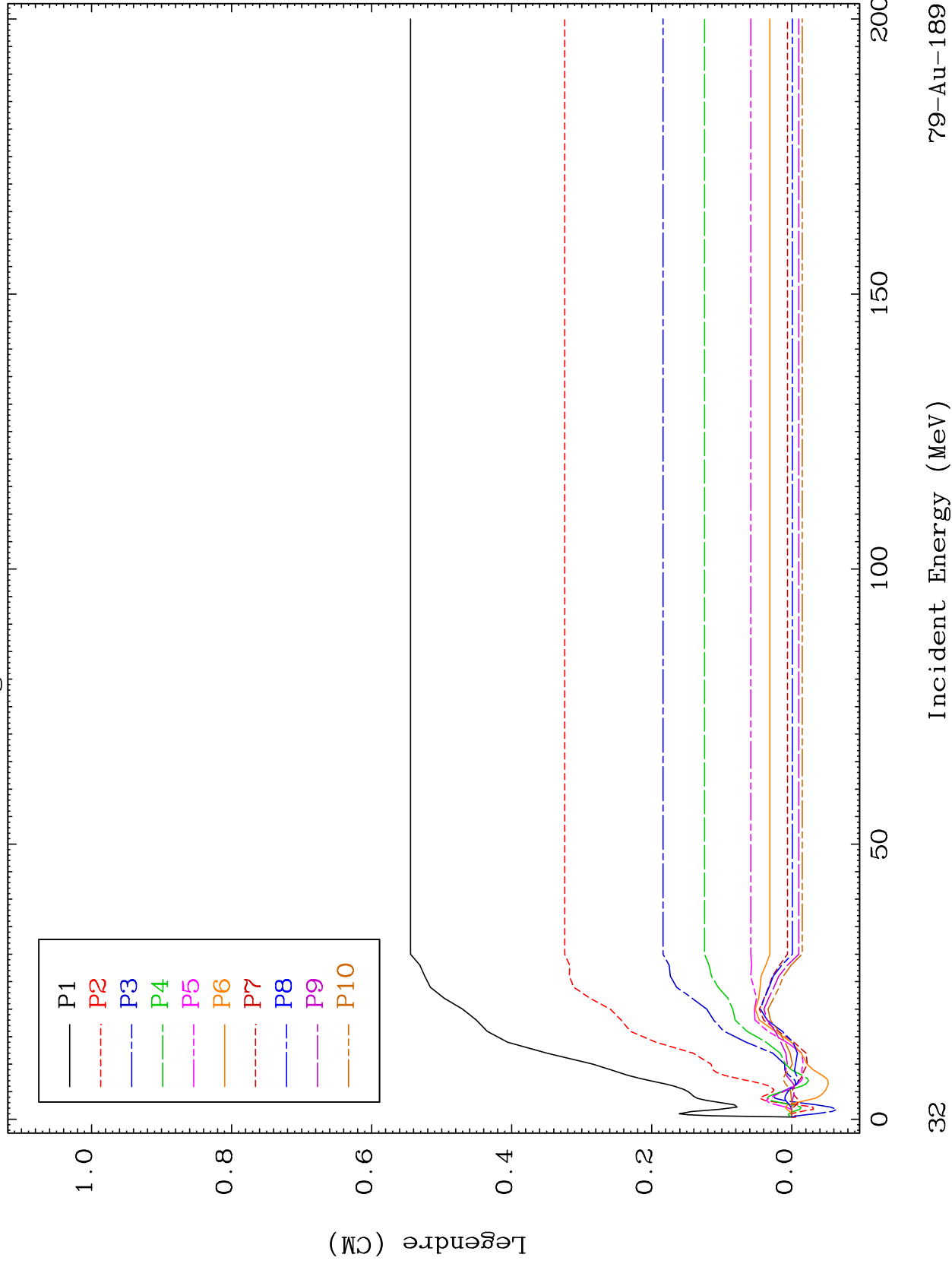




MAT 7901

307.7 keV (n, n') Level
Legendre Coefficients

79-Au-189



79-Au-189

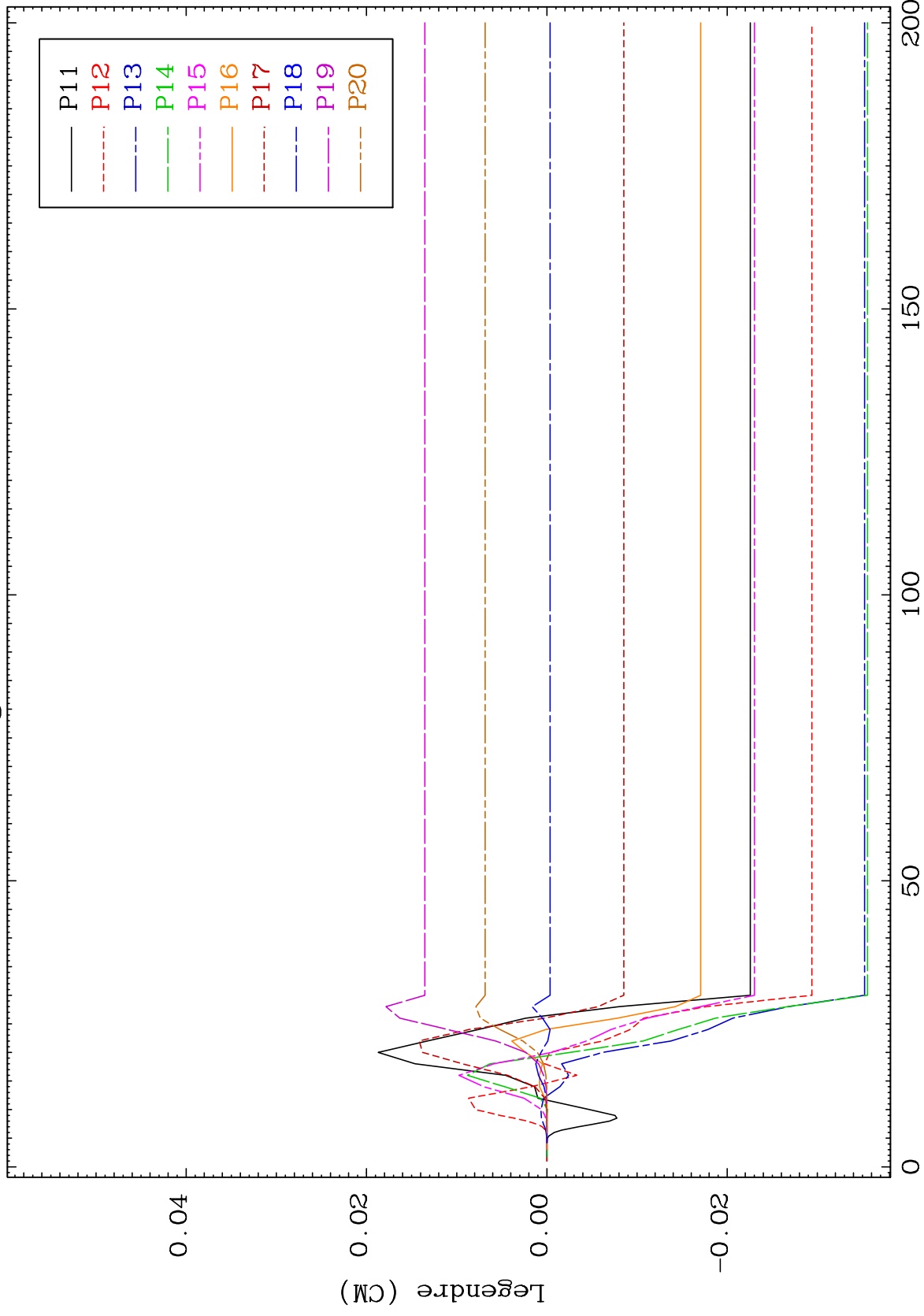
Incident Energy (MeV)

32

MAT 7901

307.7 keV (n,n') Level
Legendre Coefficients

79-Au-189



33

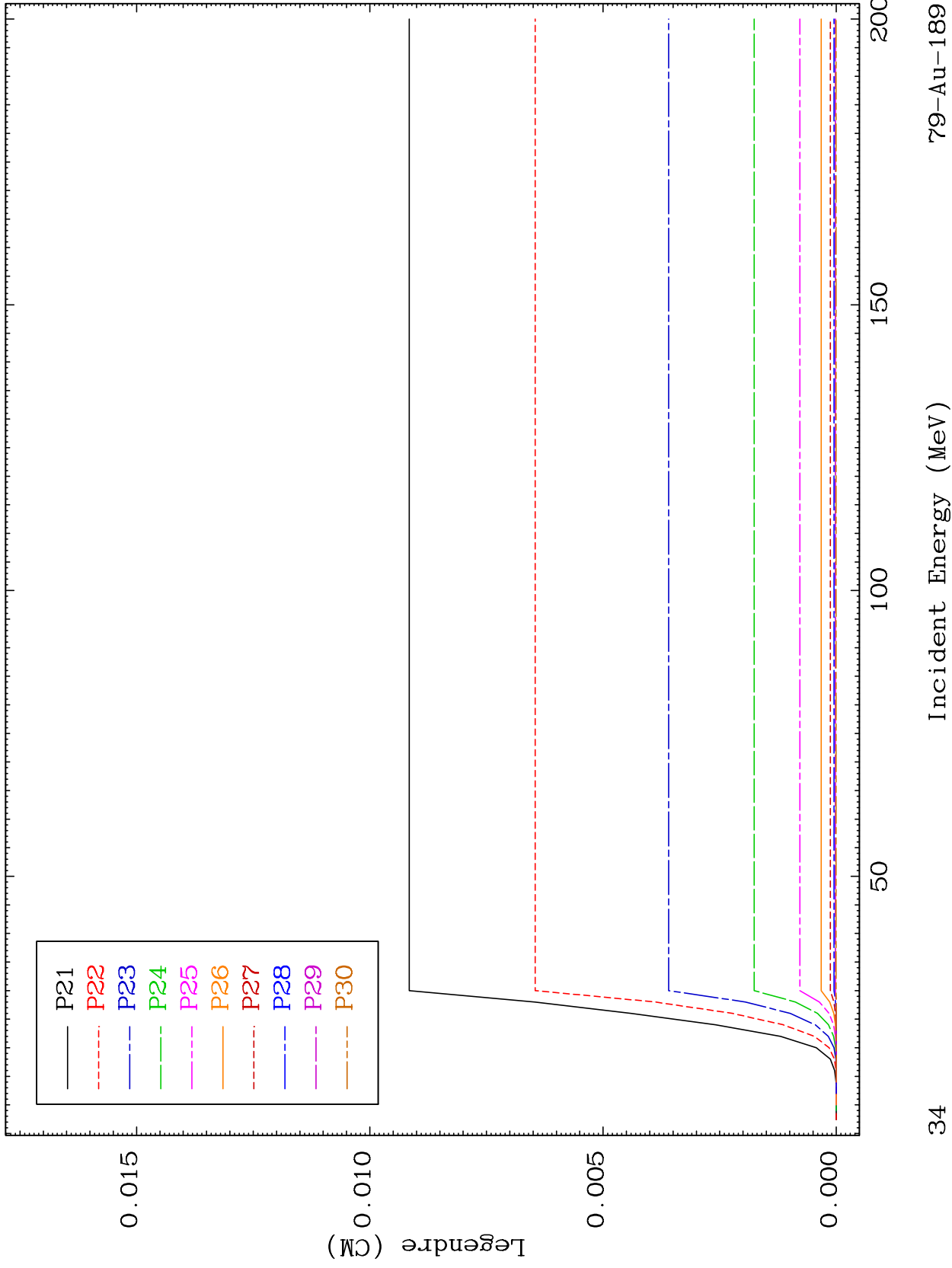
Incident Energy (MeV)

79-Au-189

MAT 7901

307.7 keV (n, n') Level
Legendre Coefficients

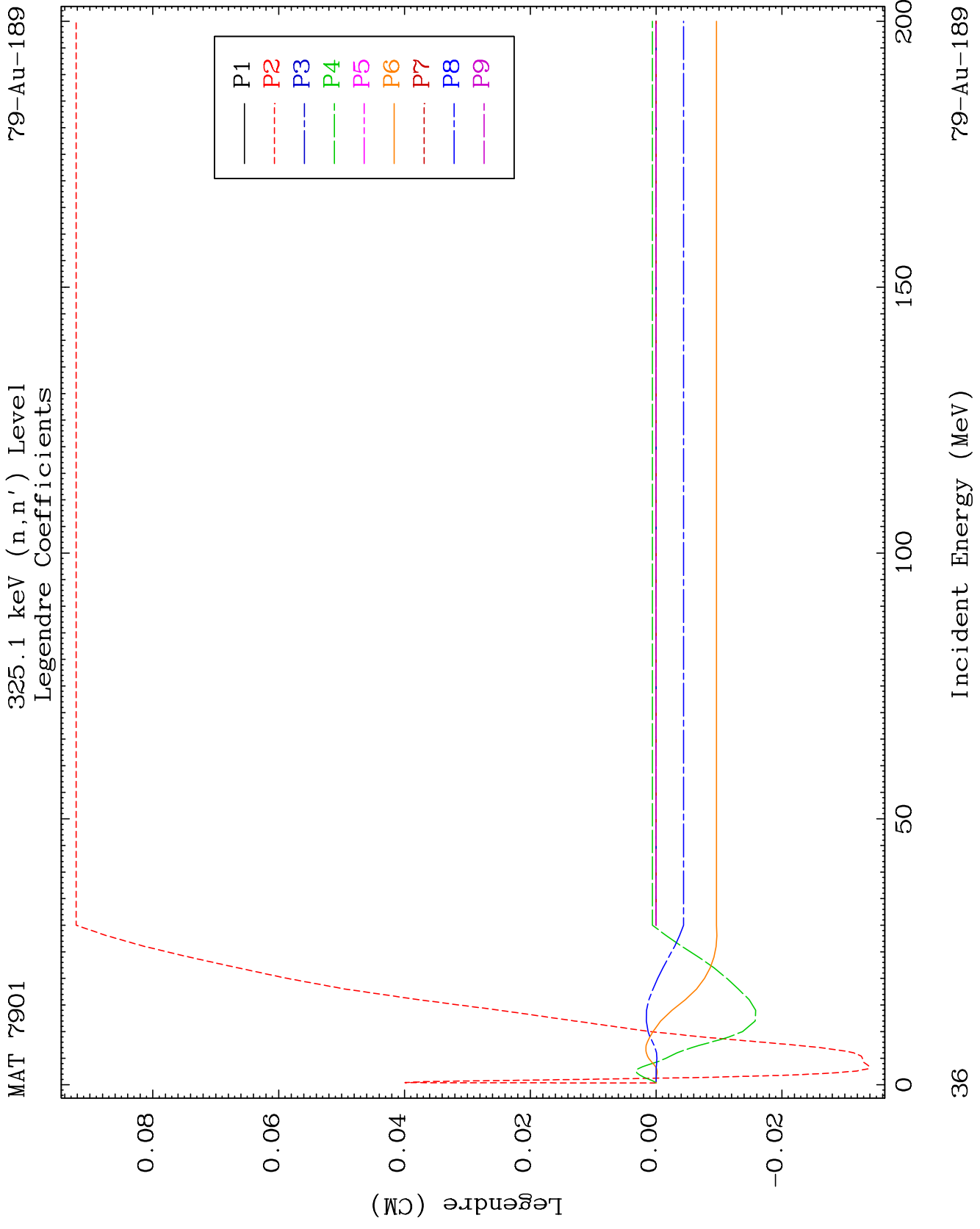
79-Au-189

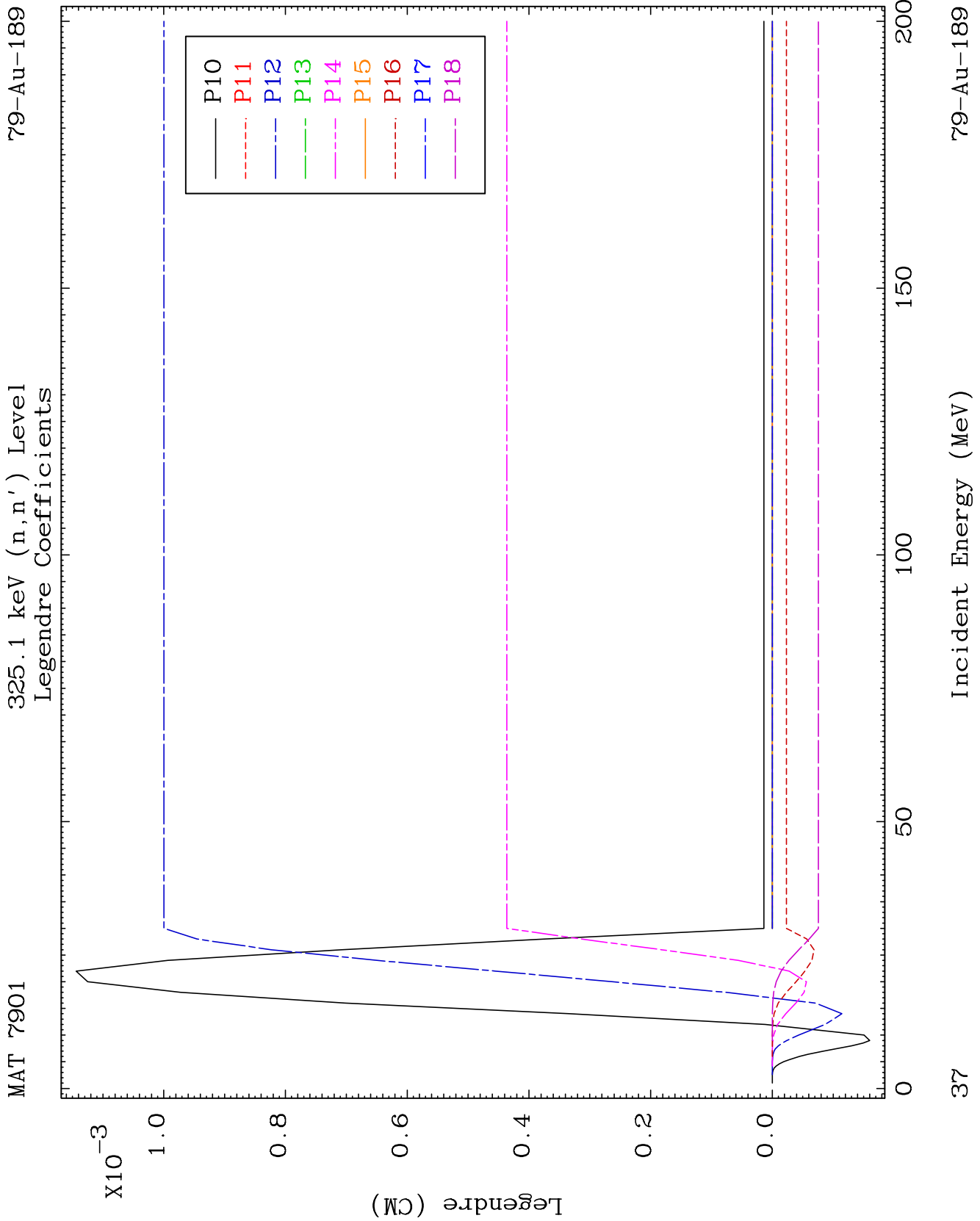


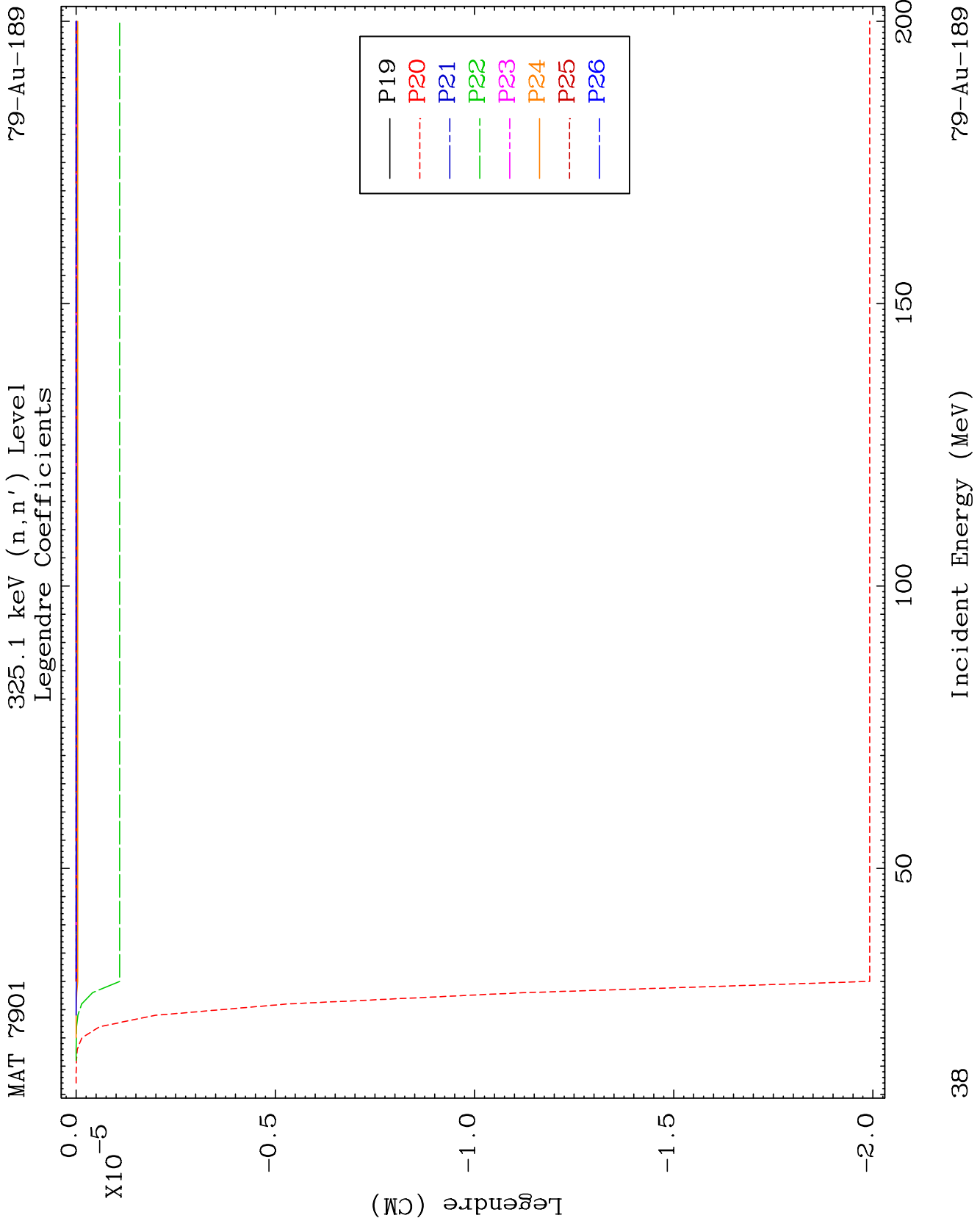
34

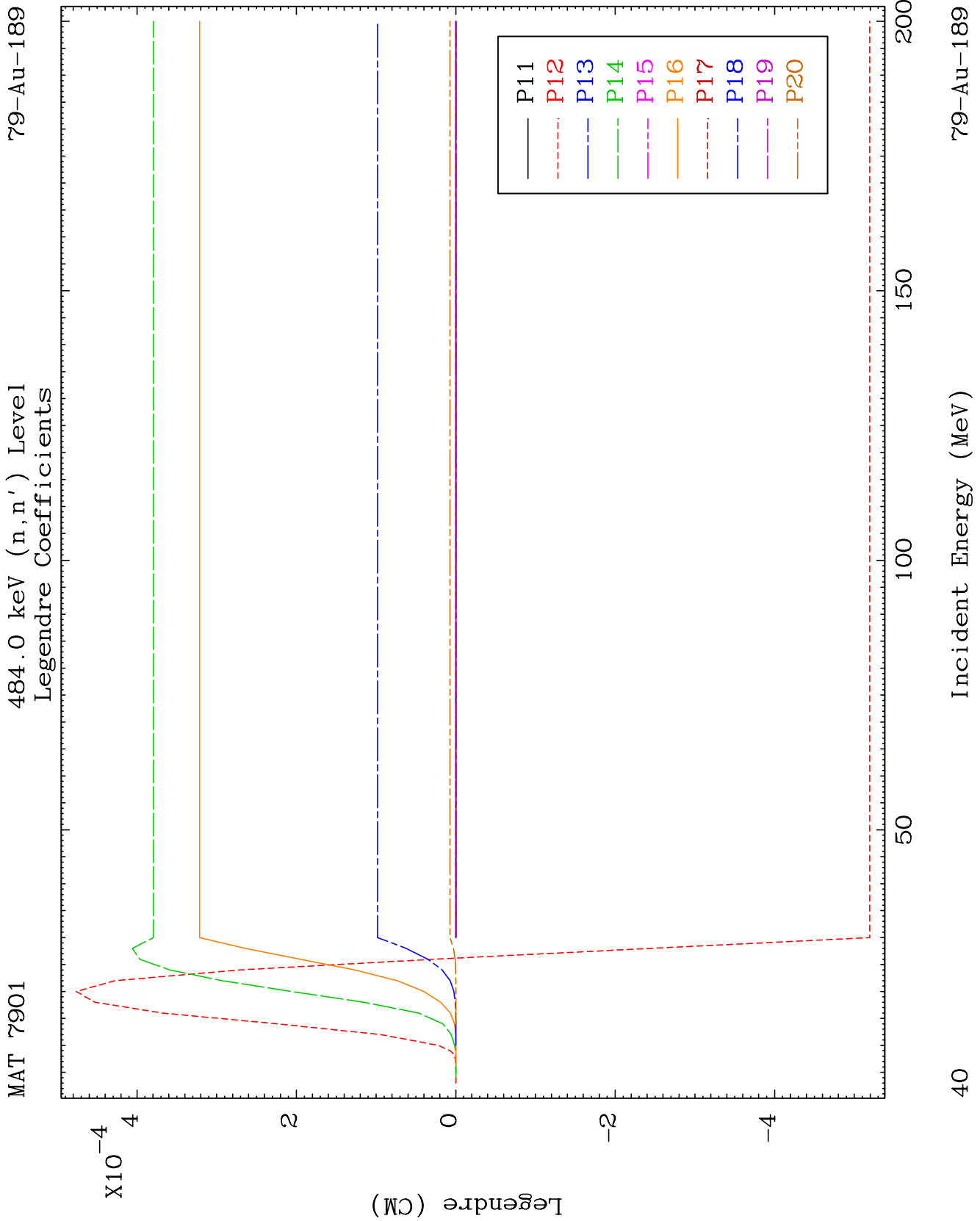
Incident Energy (MeV)

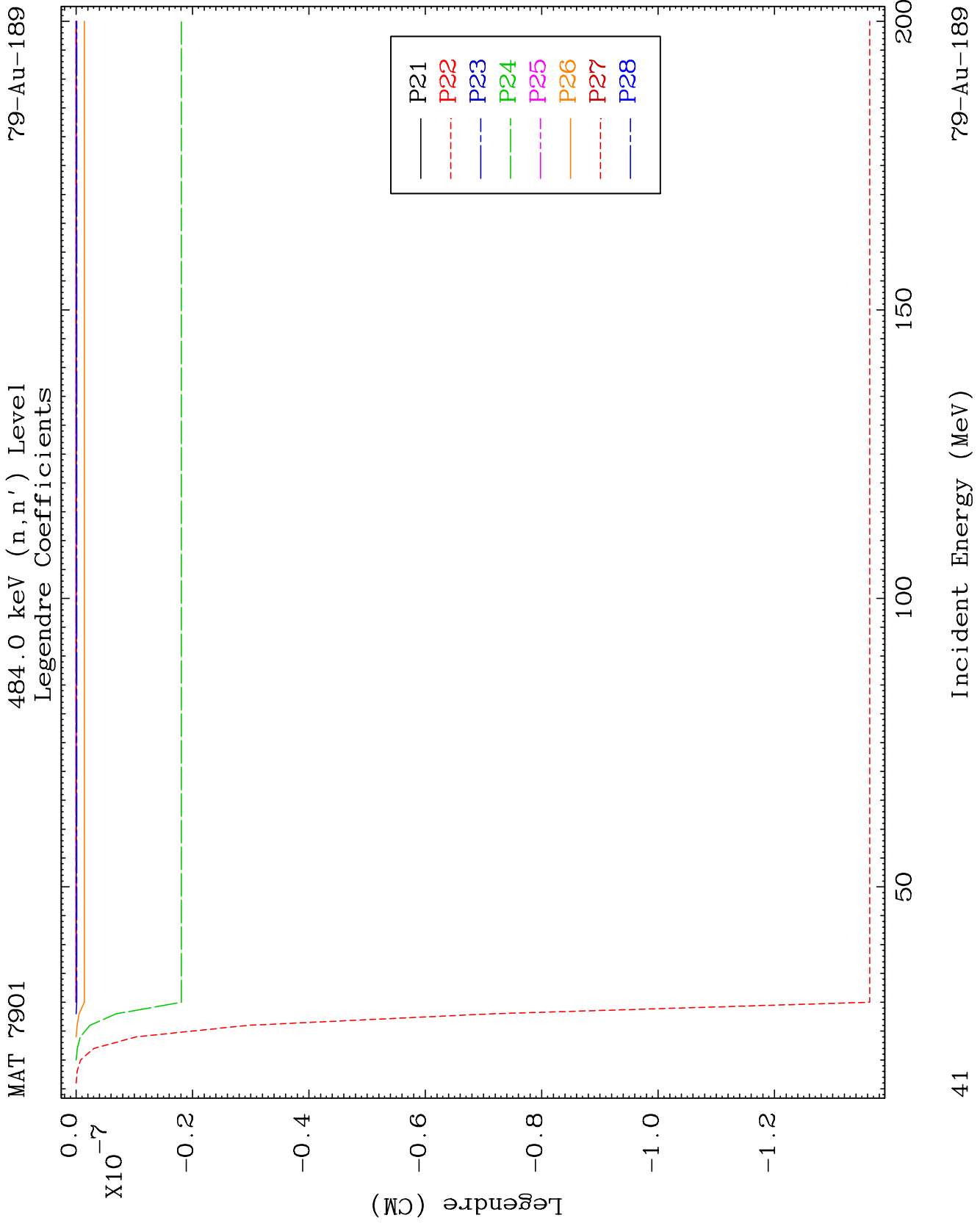
79-Au-189







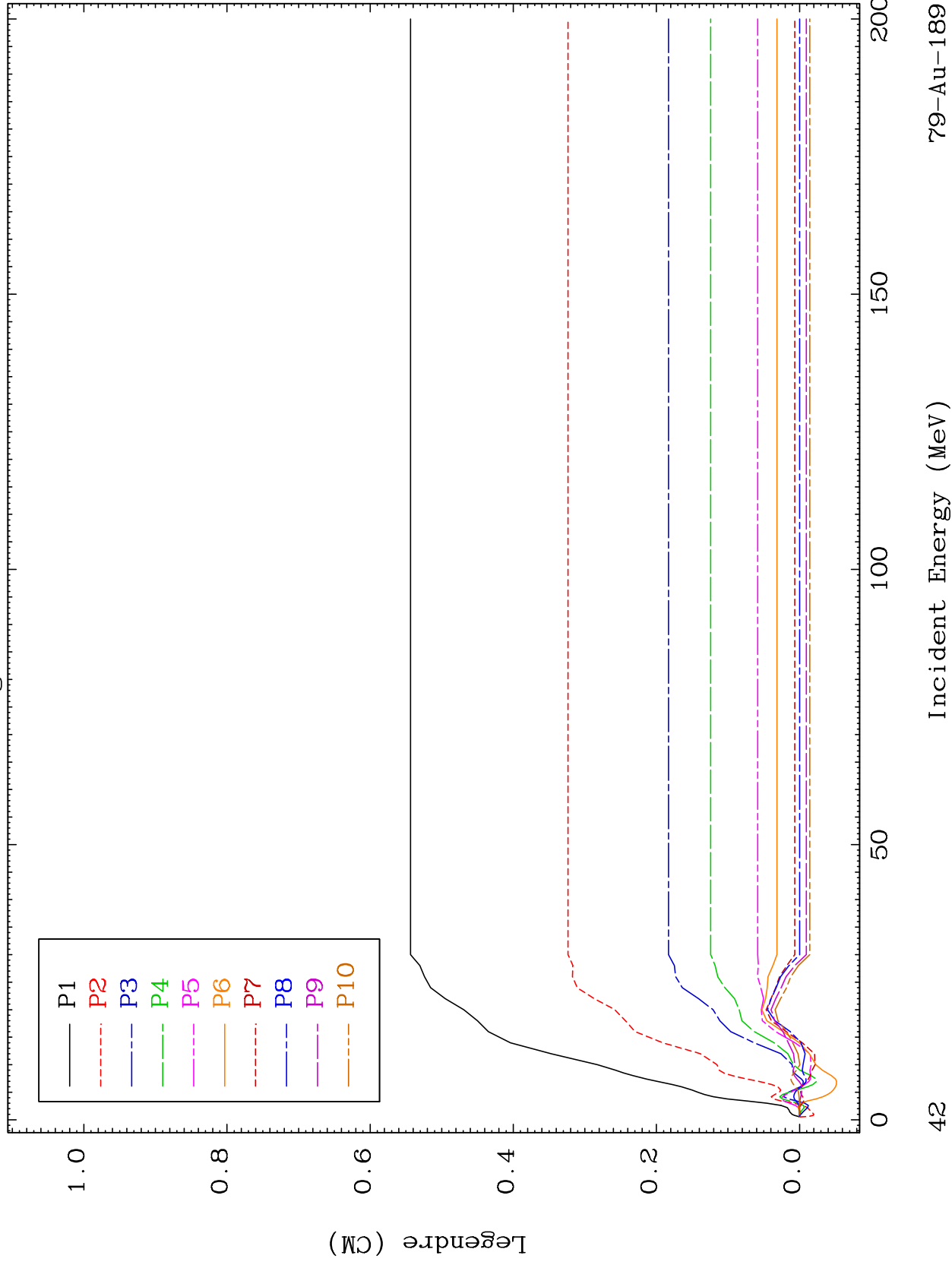




MAT 7901

491.5 keV (n, n') Level
Legendre Coefficients

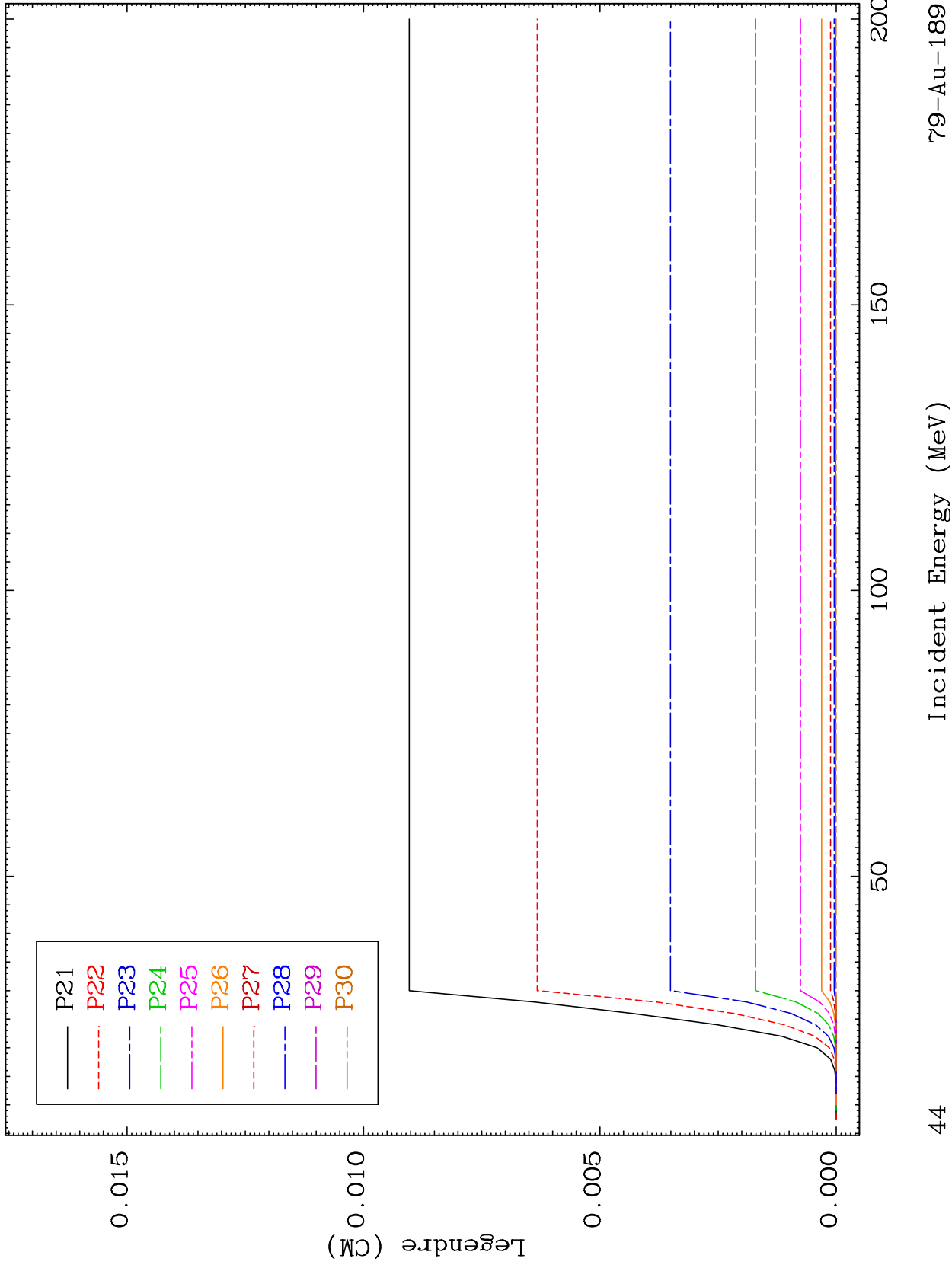
79-Au-189

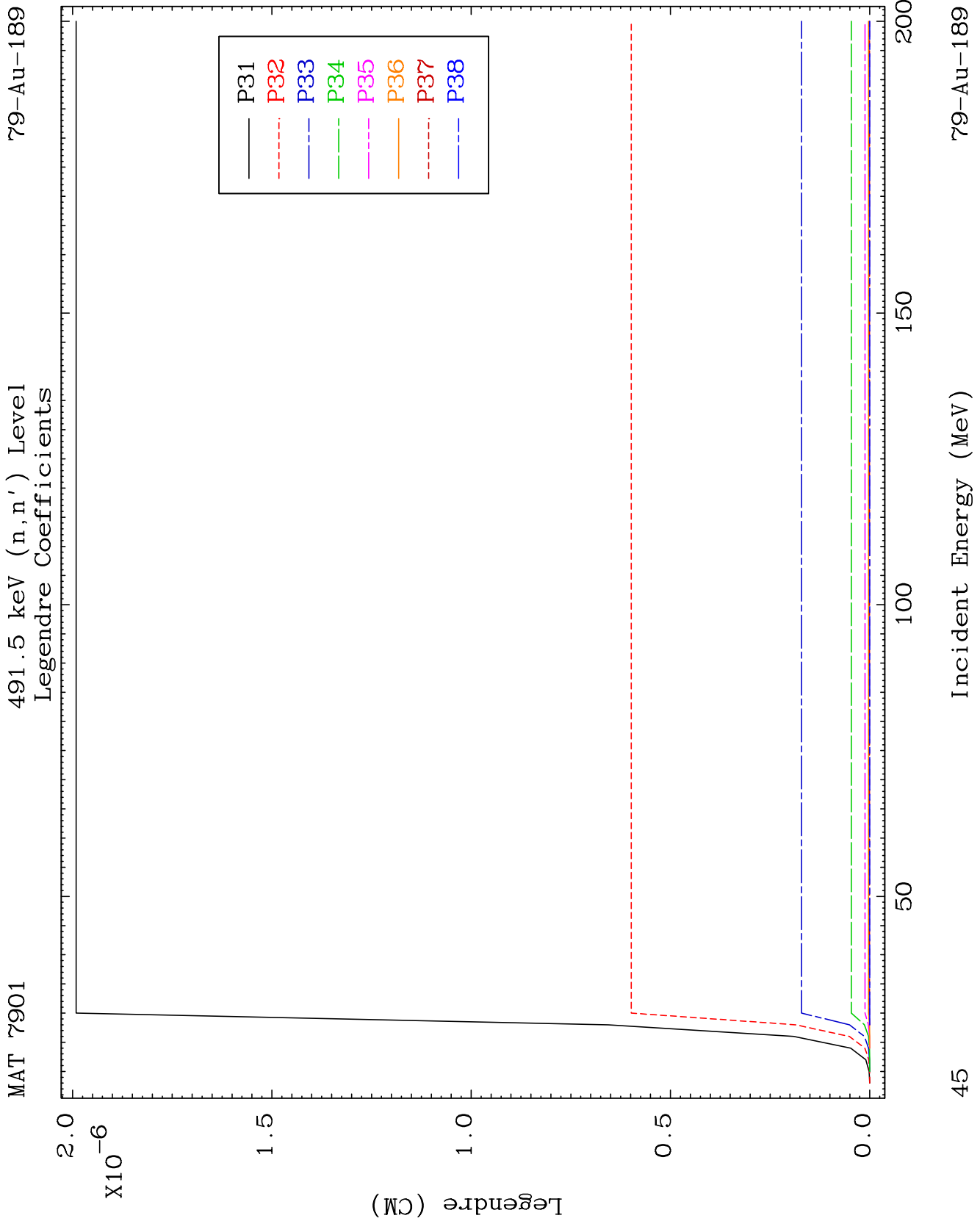


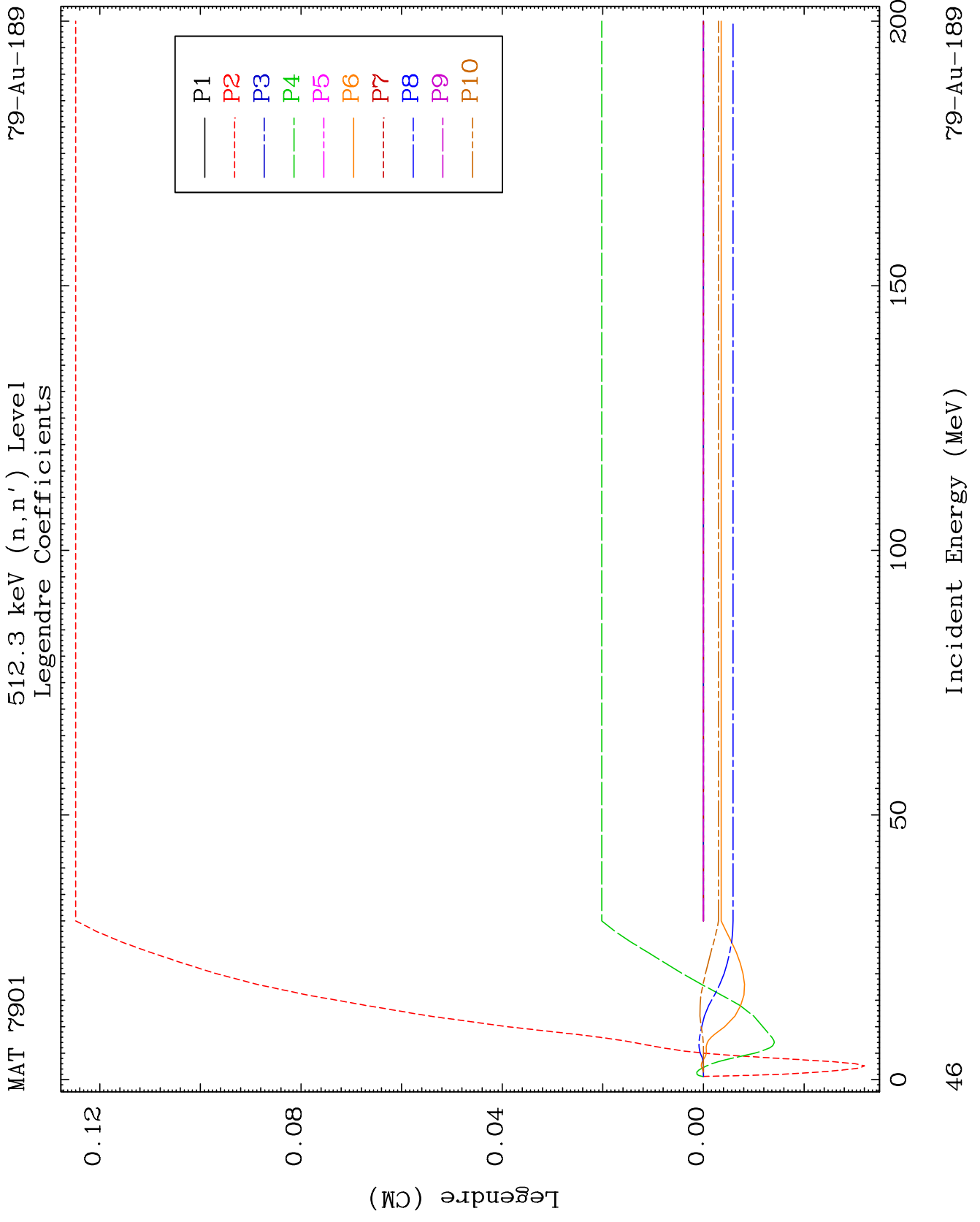
79-Au-189

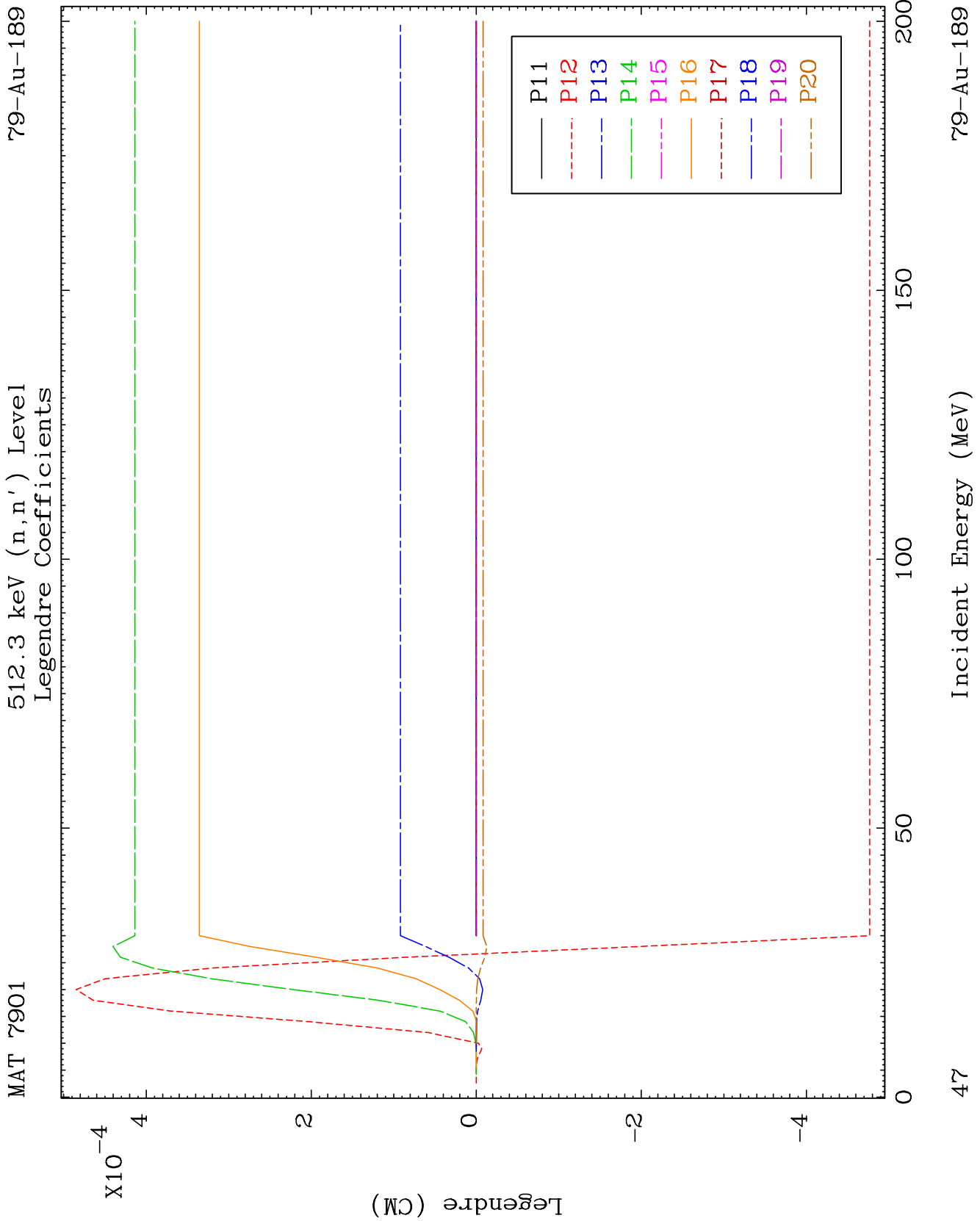
Incident Energy (MeV)

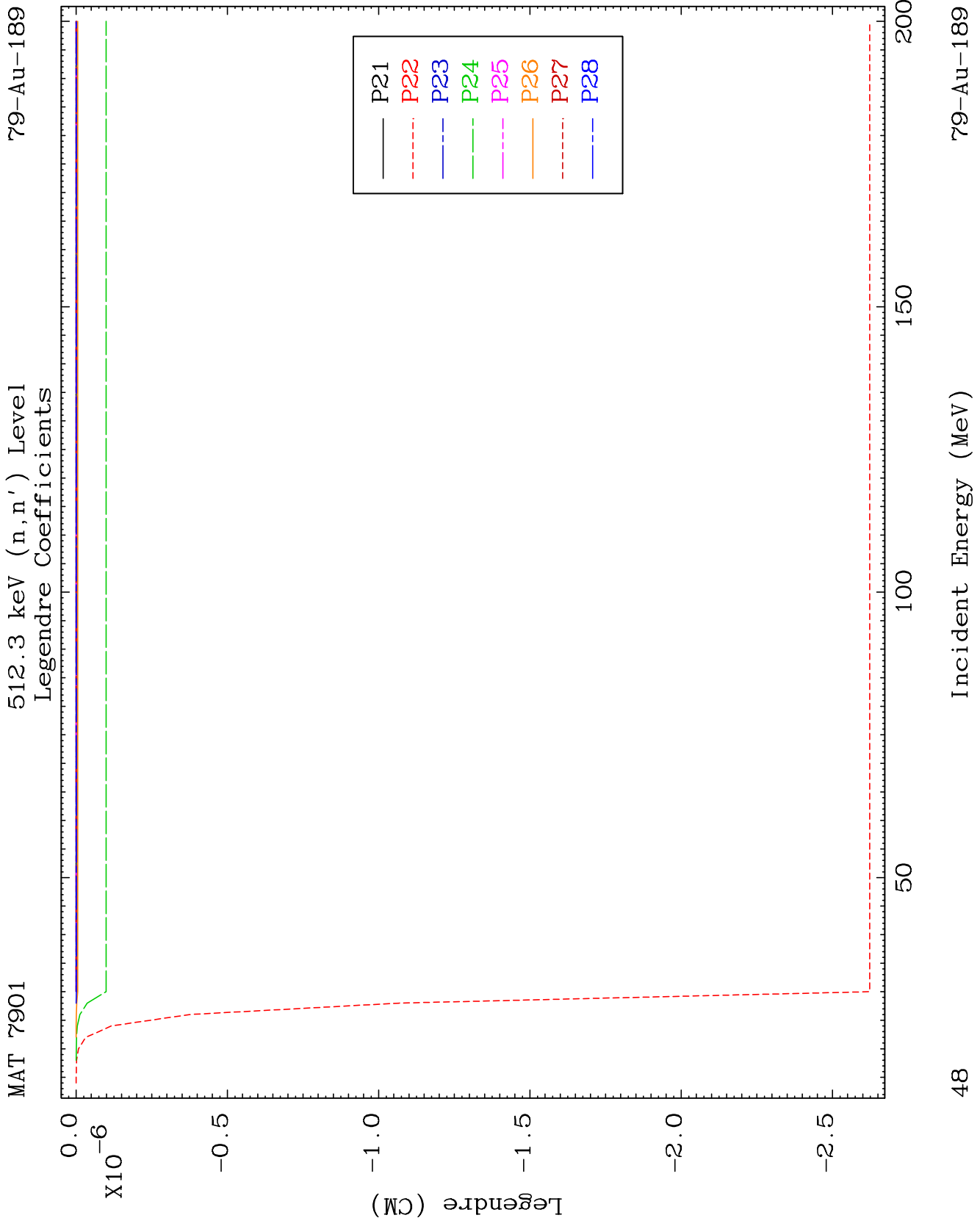
42







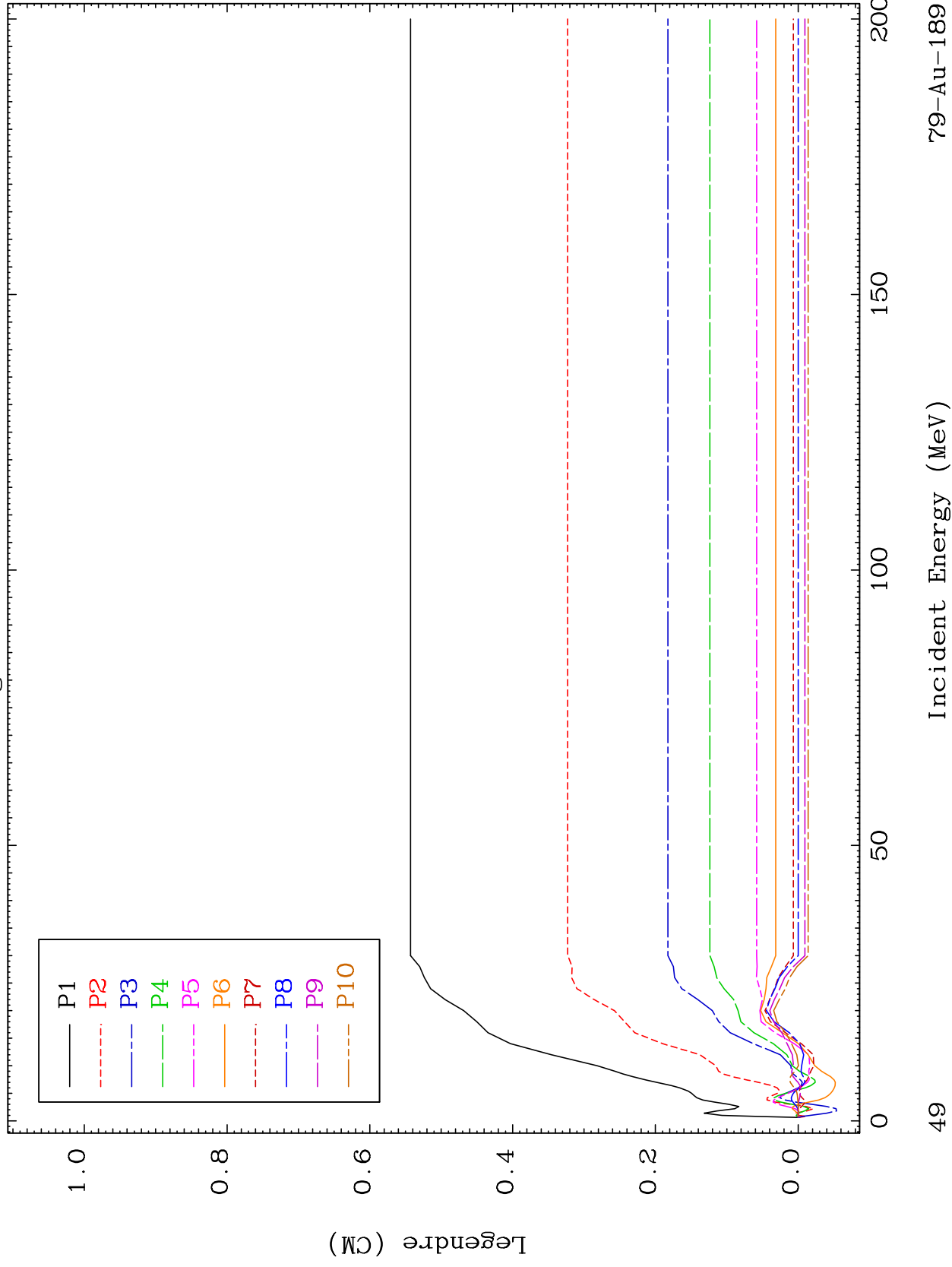




MAT 7901

602.9 keV (n,n') Level
Legendre Coefficients

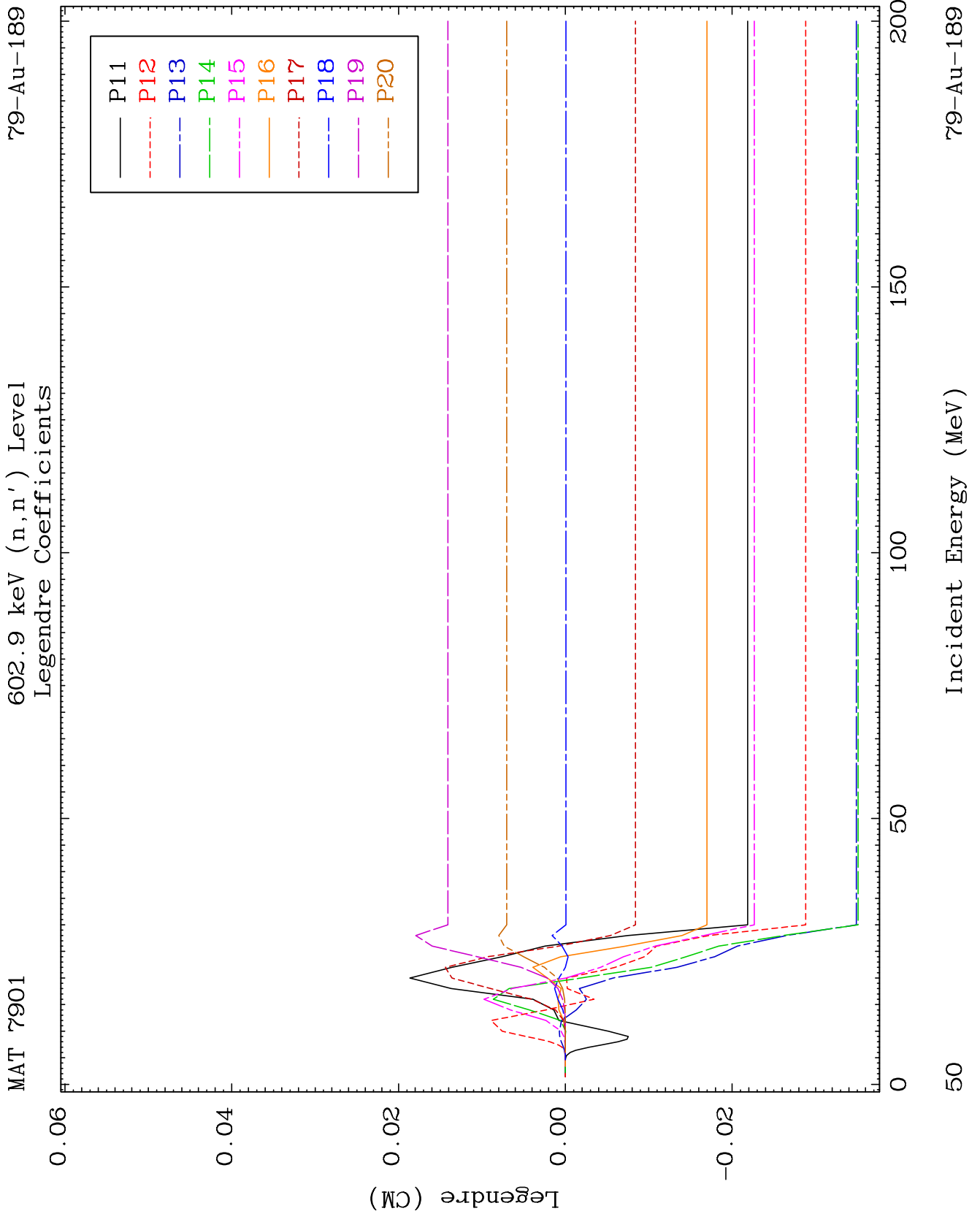
79-Au-189

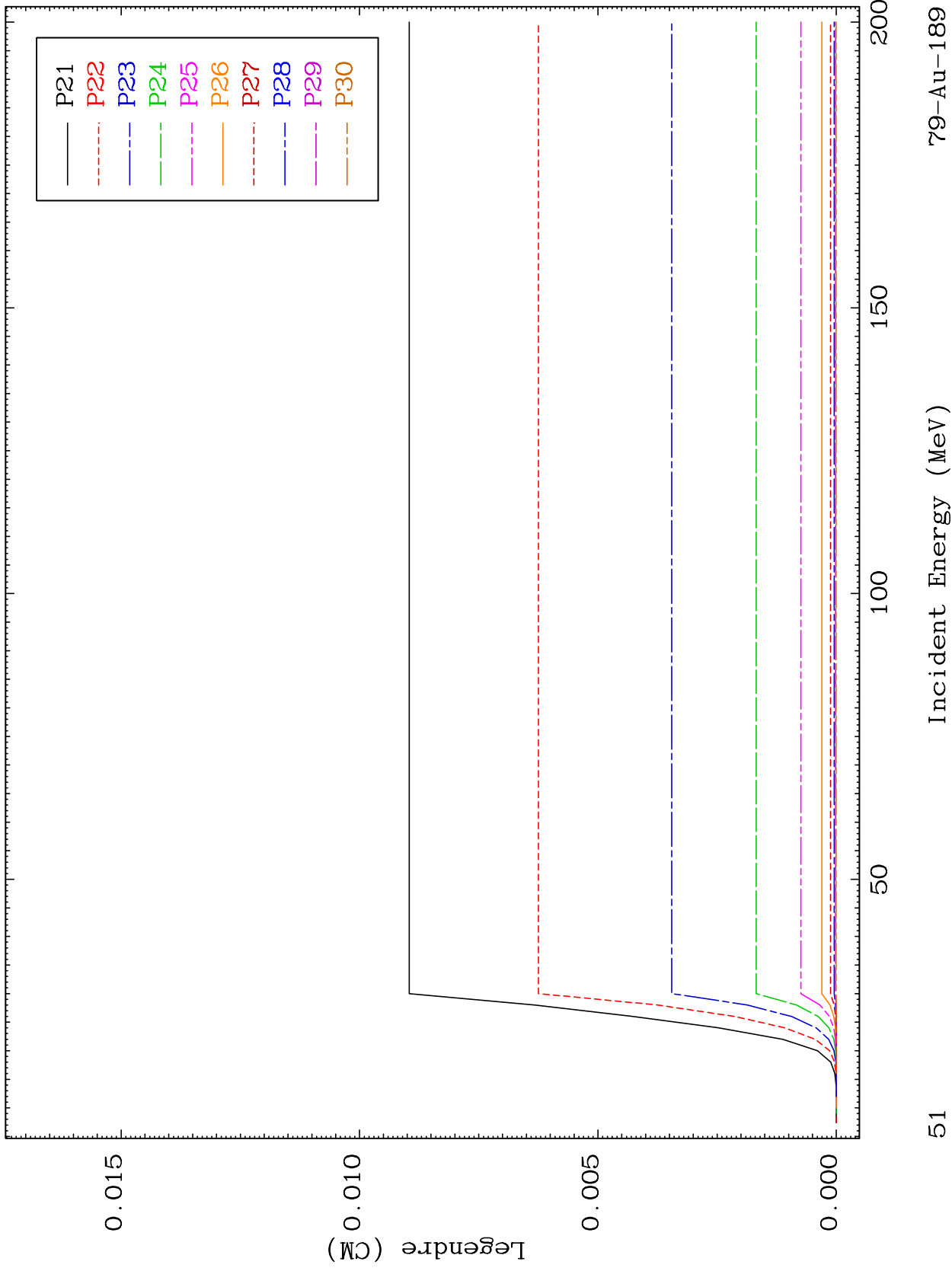


79-Au-189

Incident Energy (MeV)

49

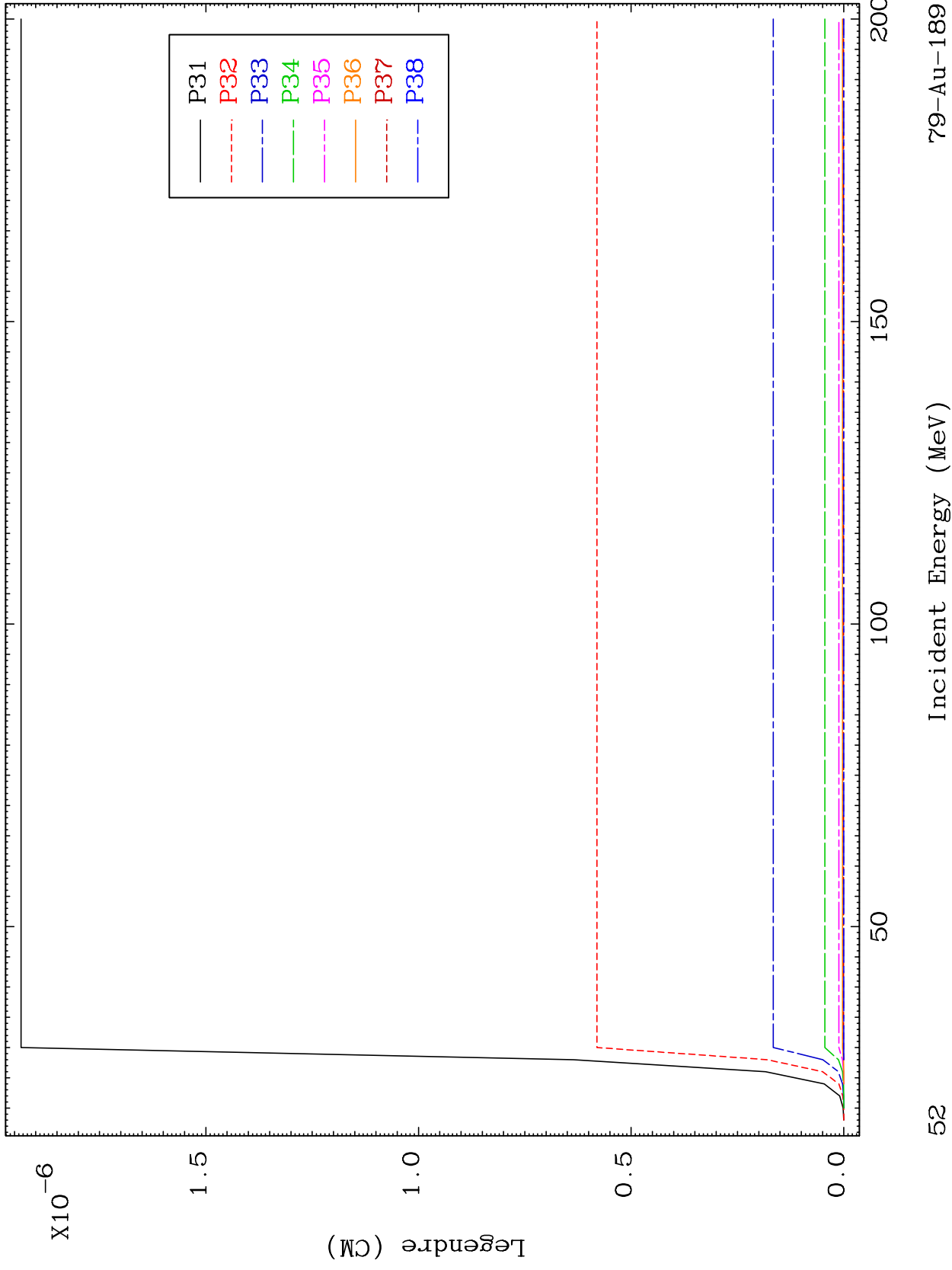




MAT 7901

602.9 keV (n,n') Level
Legendre Coefficients

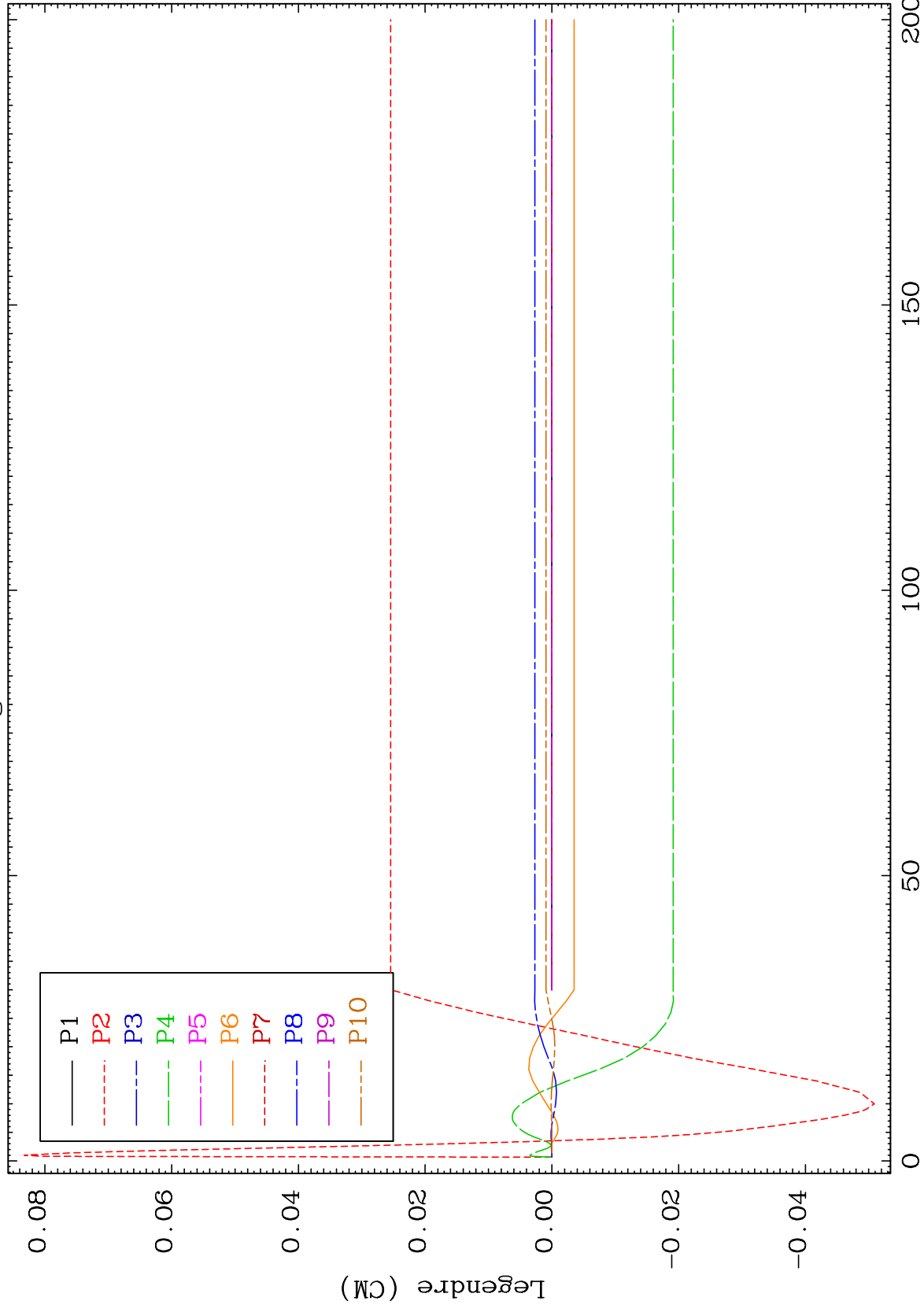
79-Au-189



52

Incident Energy (MeV)

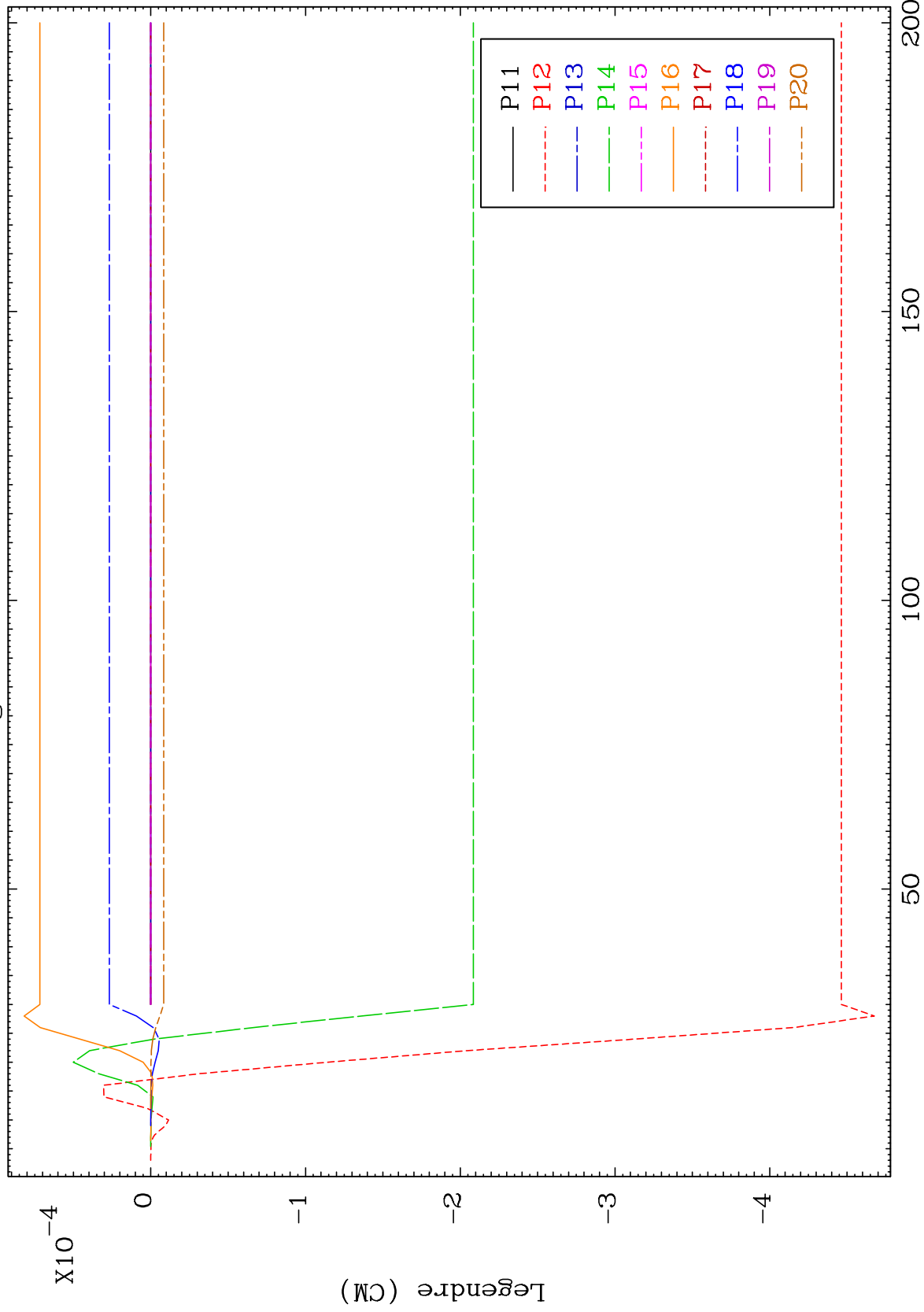
79-Au-189



MAT 7901

646.2 keV (n, n') Level
Legendre Coefficients

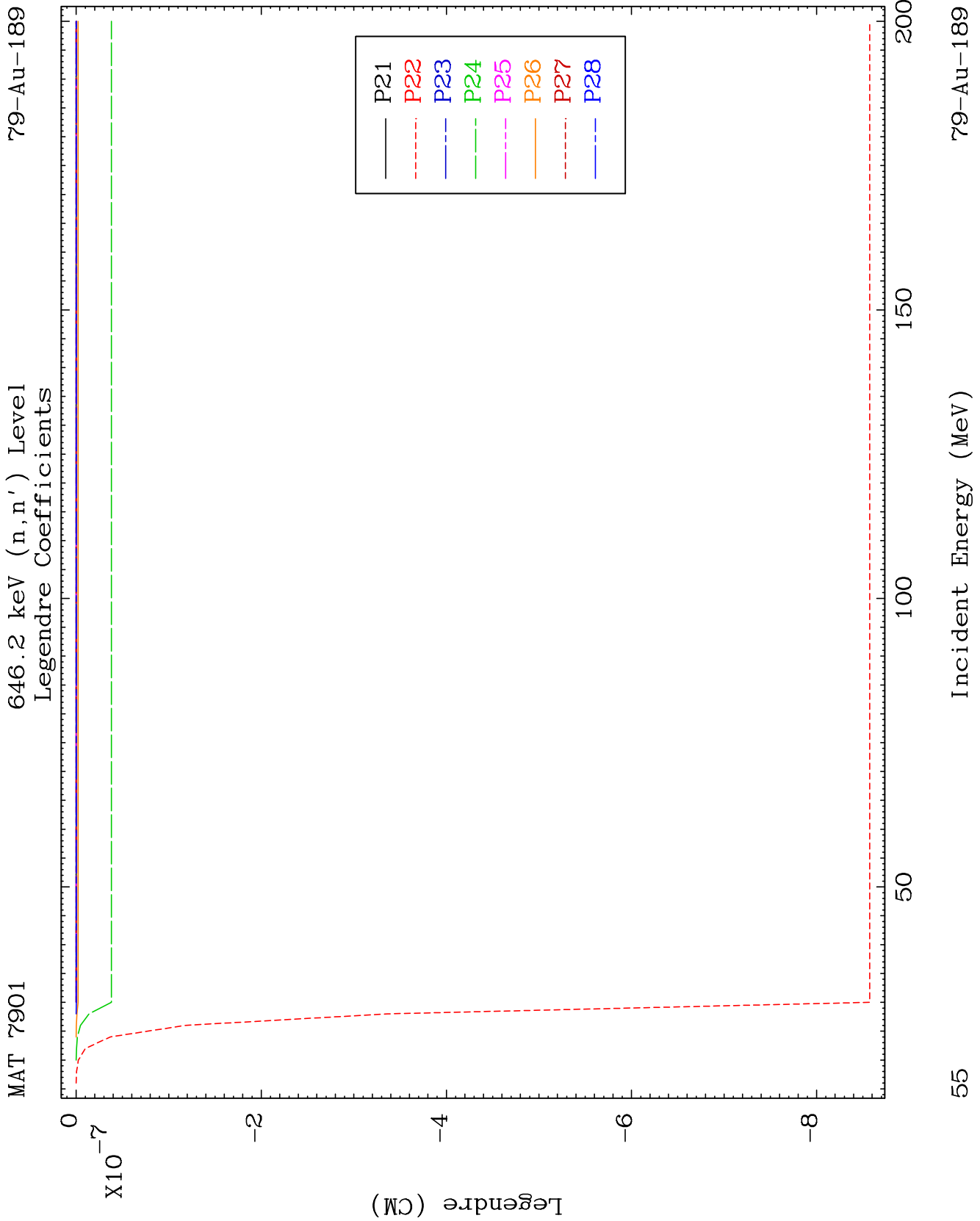
79-Au-189

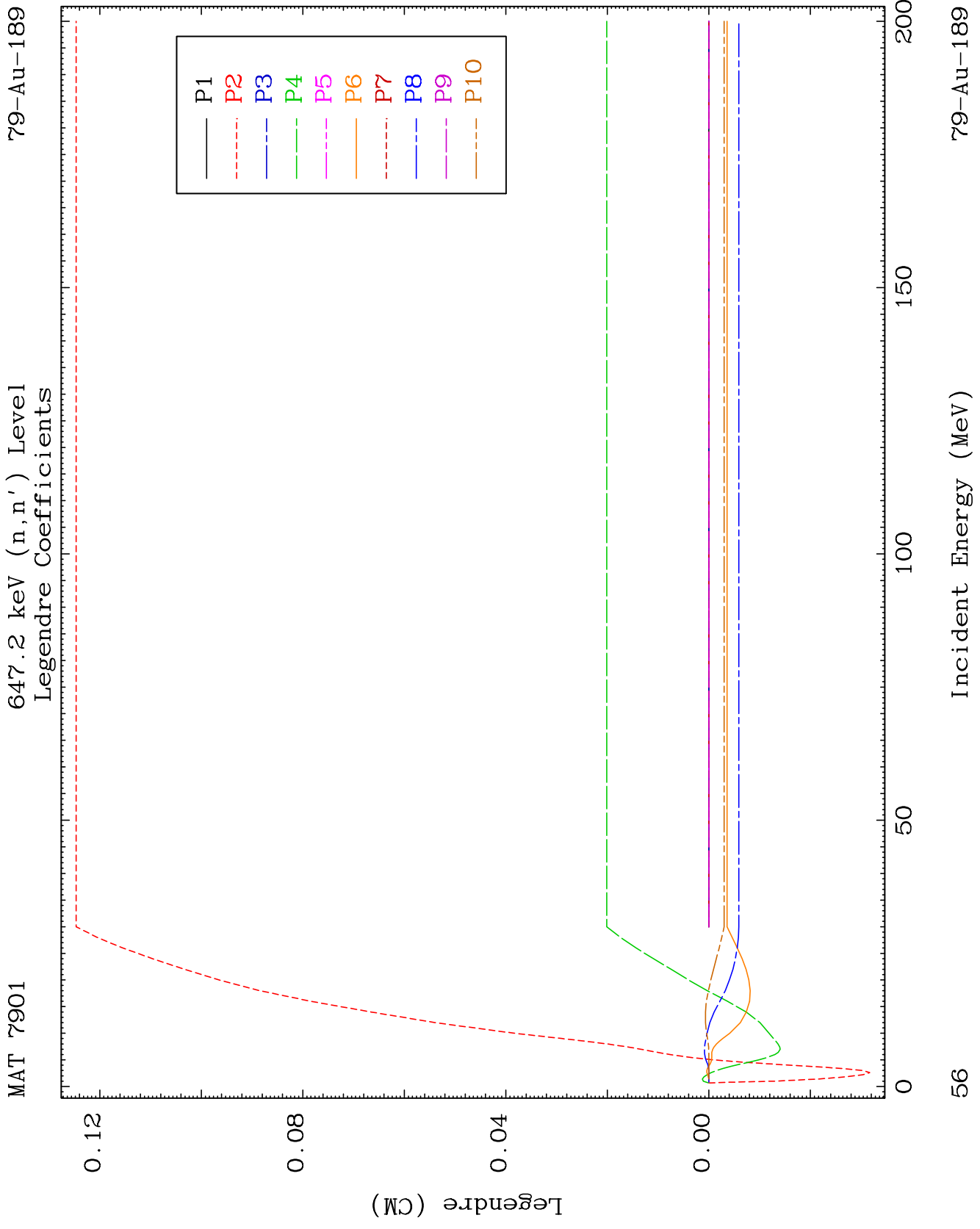


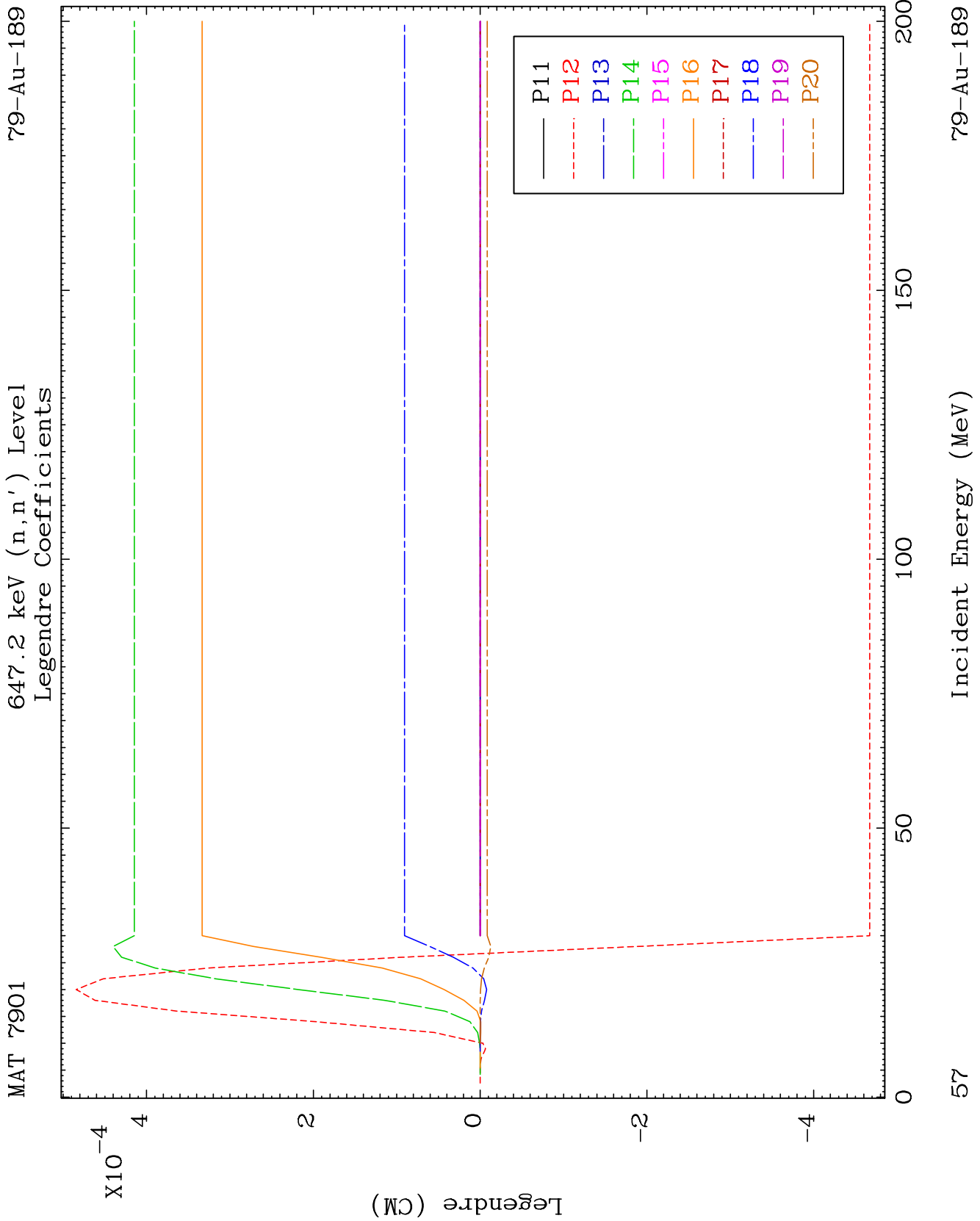
54

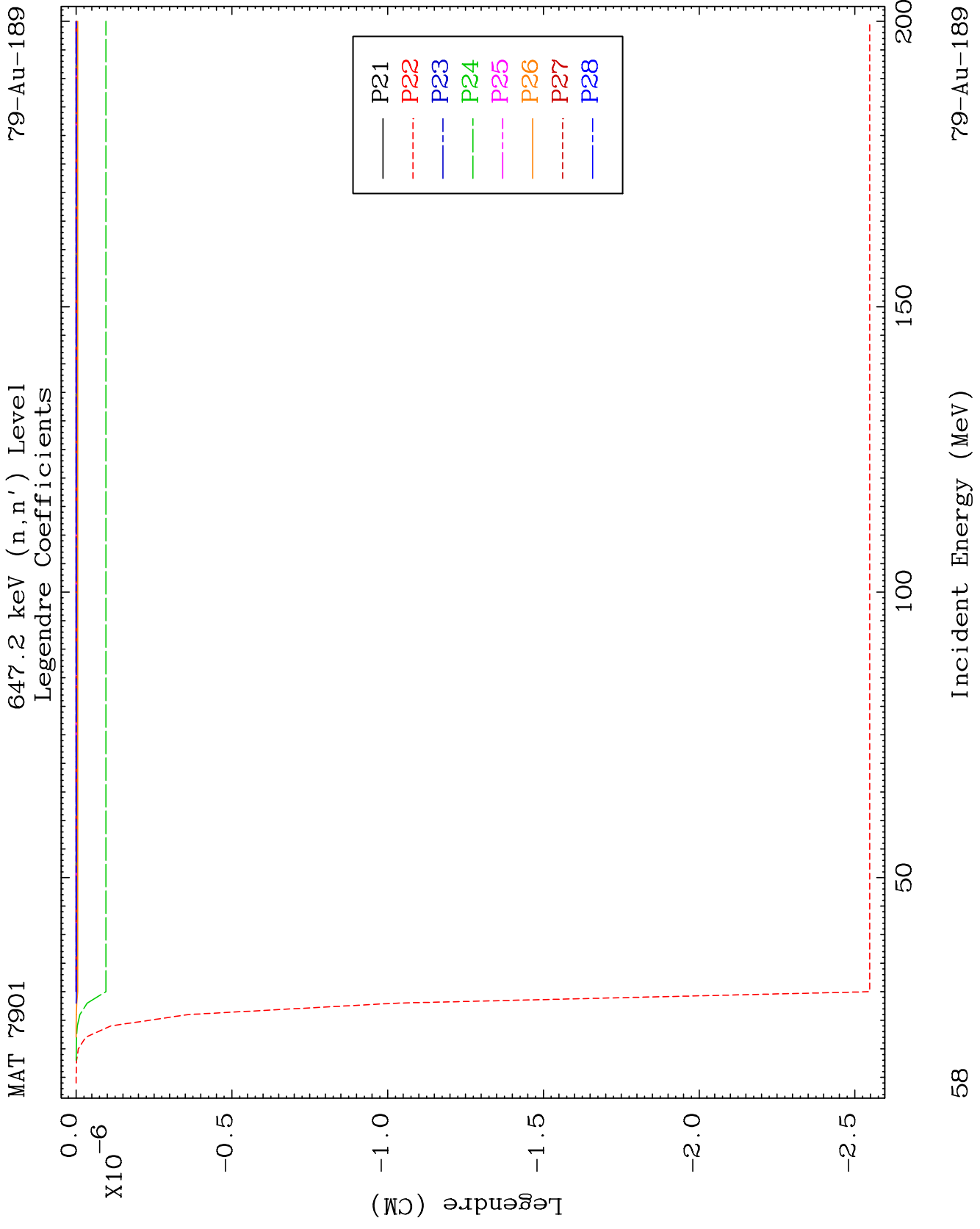
Incident Energy (MeV)

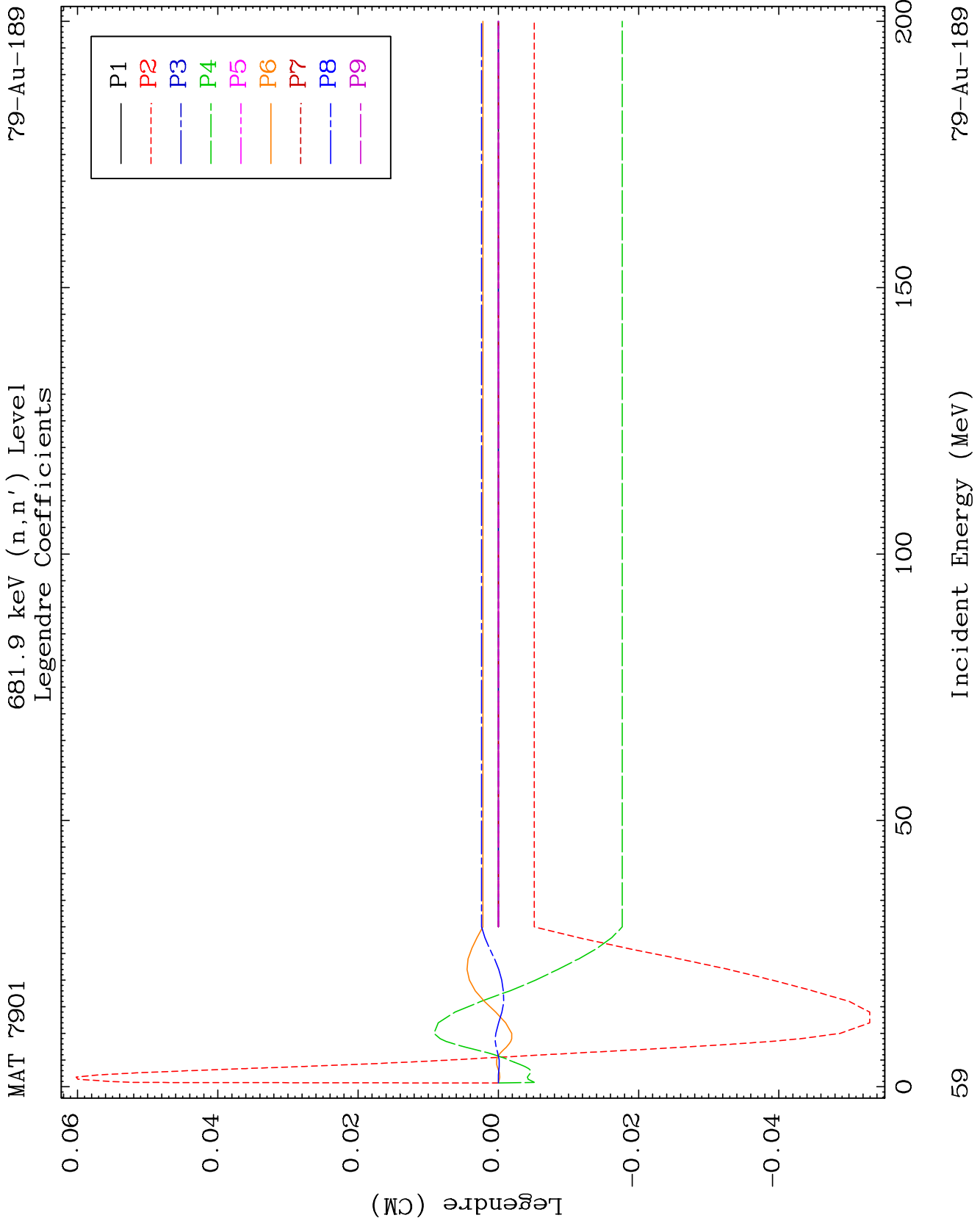
79-Au-189

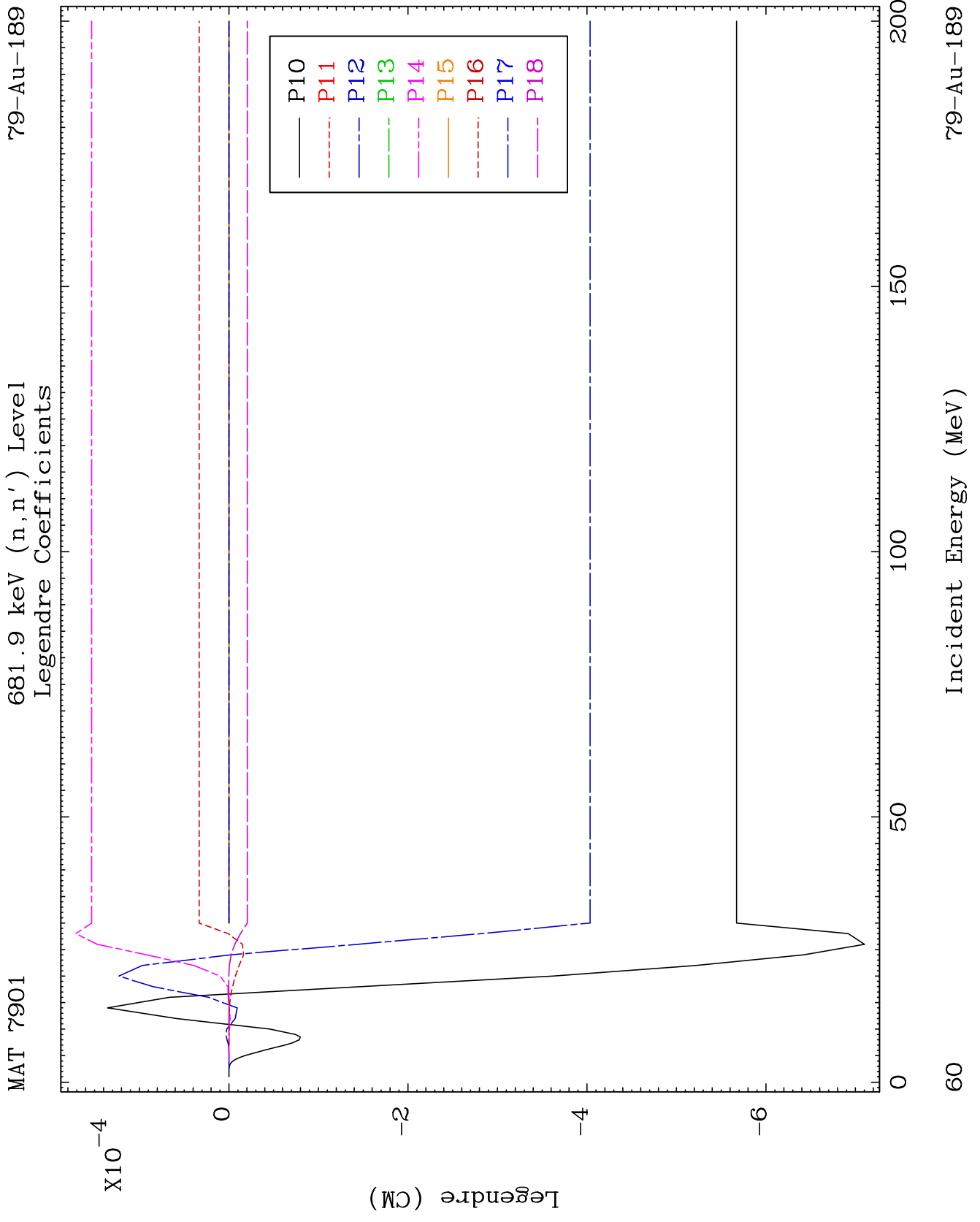








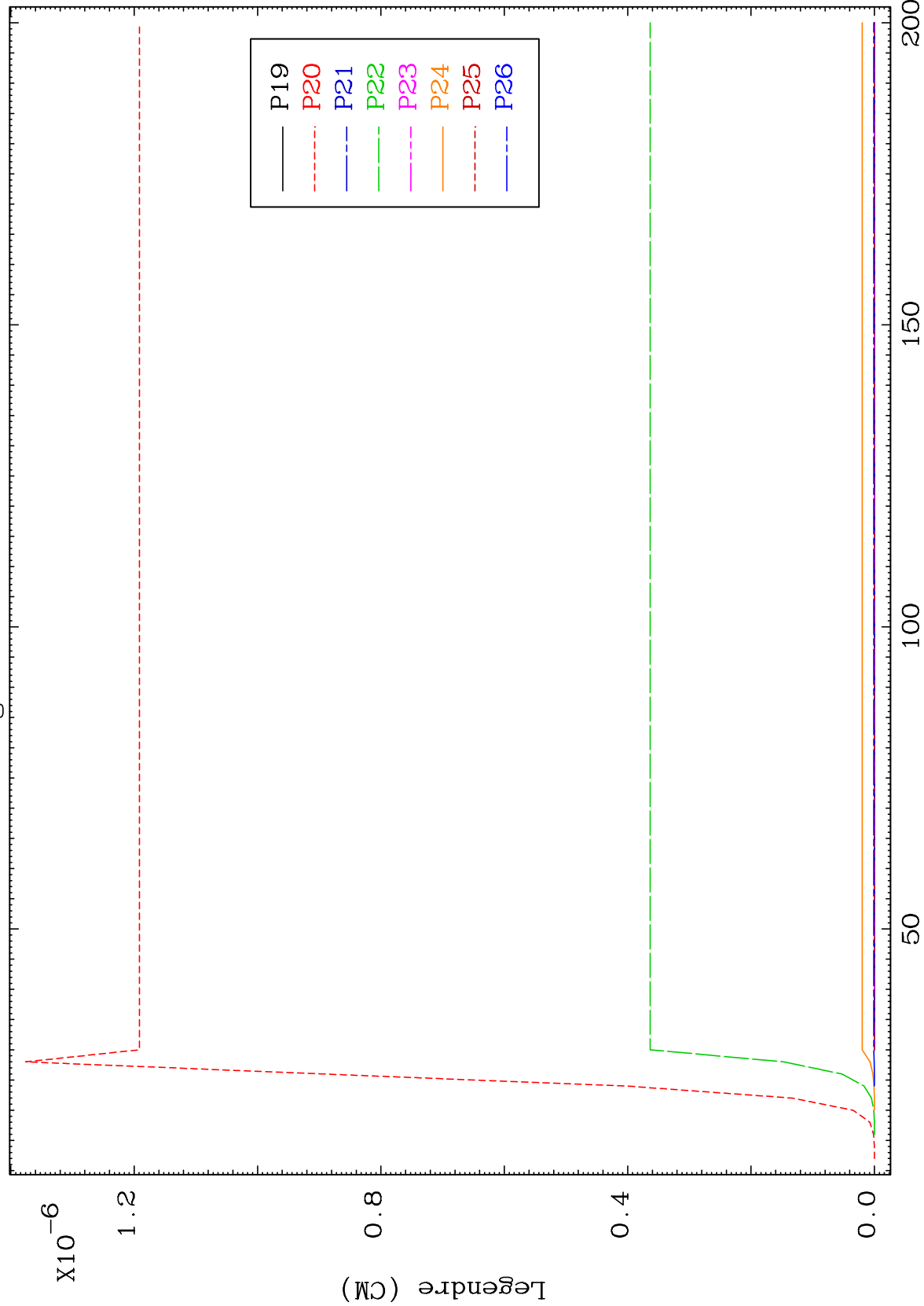




MAT 7901

681.9 keV (n,n') Level
Legendre Coefficients

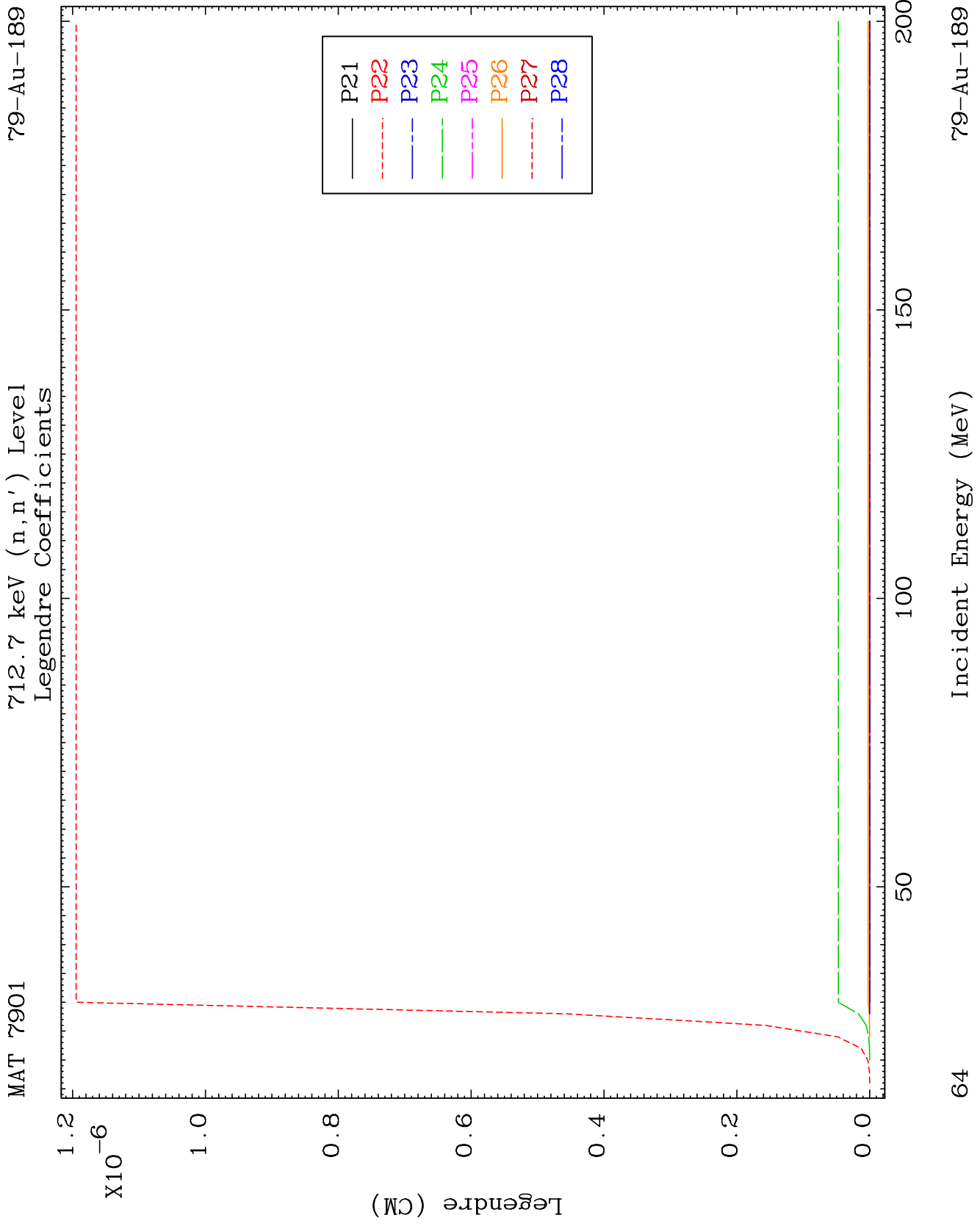
79-Au-189

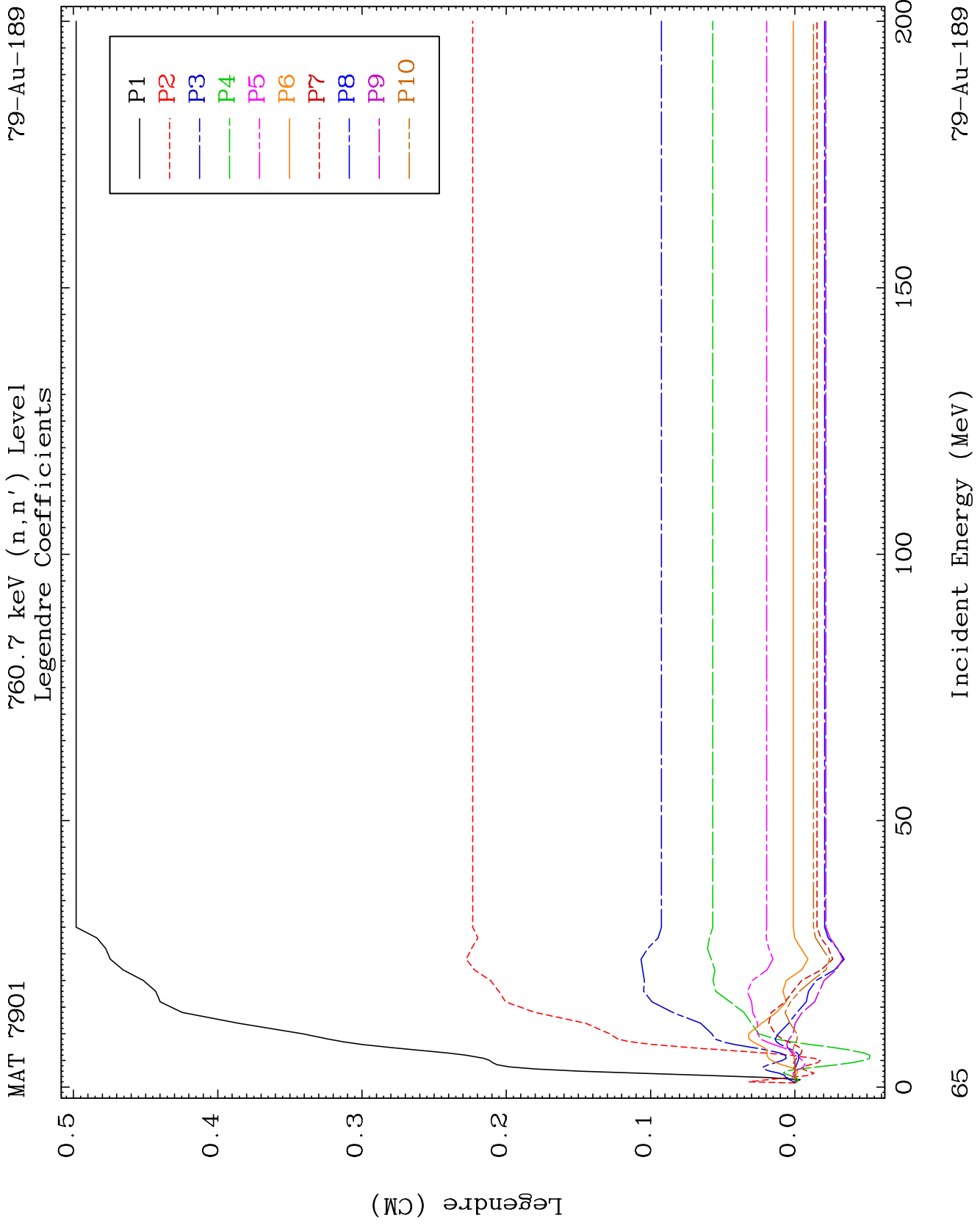


79-Au-189

Incident Energy (MeV)

61

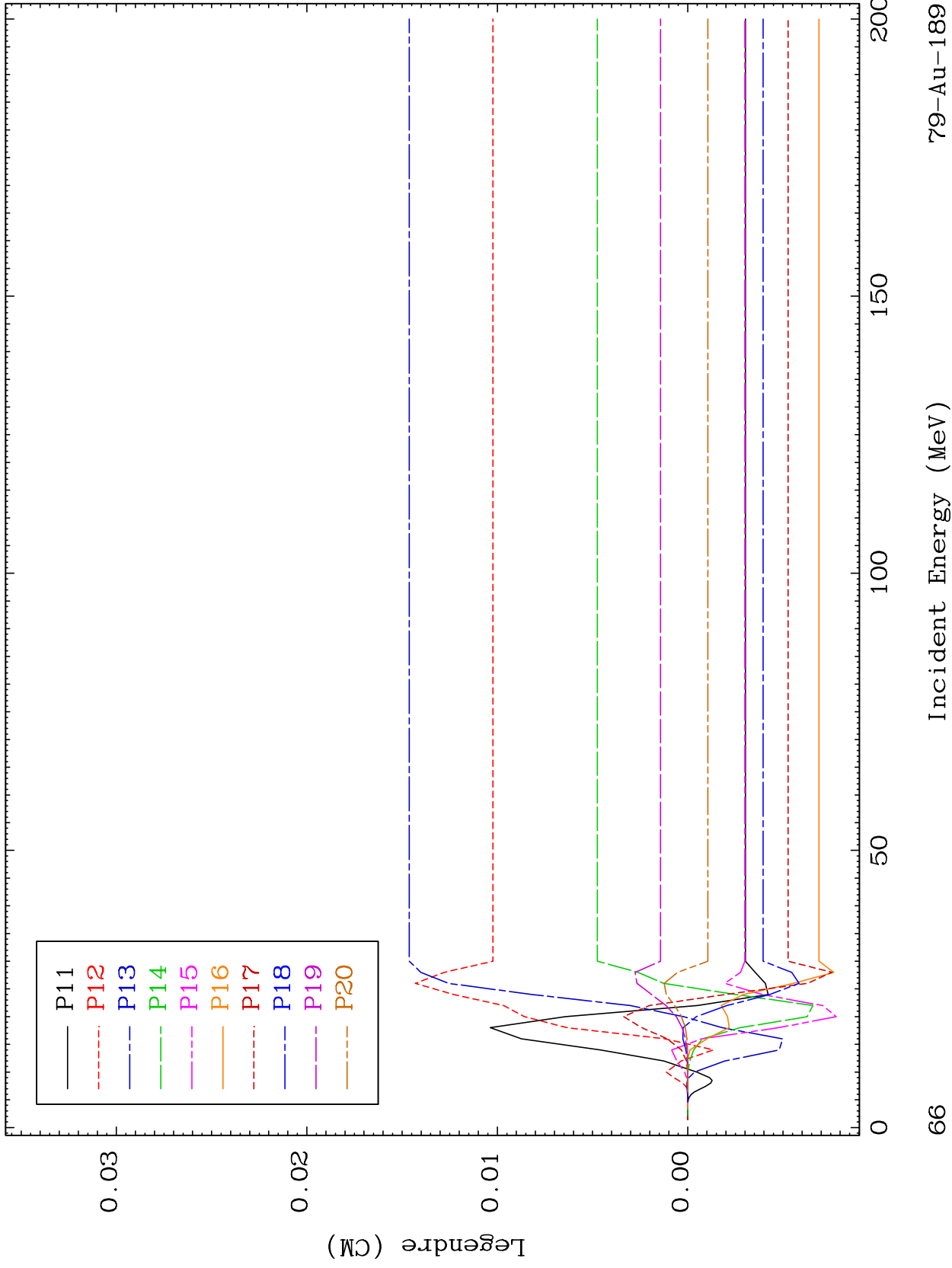




MAT 7901

760.7 keV (n,n') Level
Legendre Coefficients

79-Au-189



66

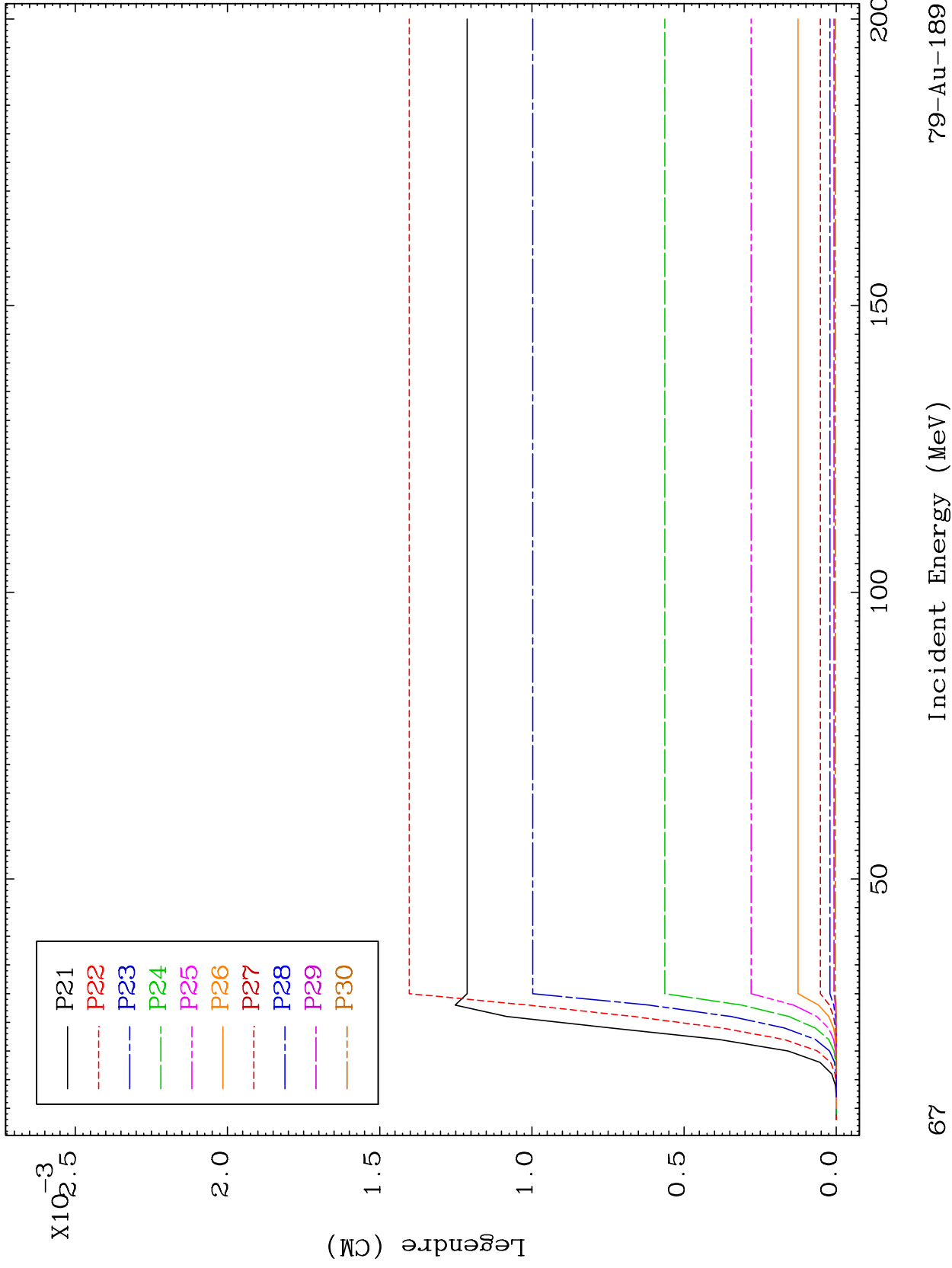
Incident Energy (MeV)

79-Au-189

MAT 7901

760.7 keV (n,n') Level
Legendre Coefficients

79-Au-189



67

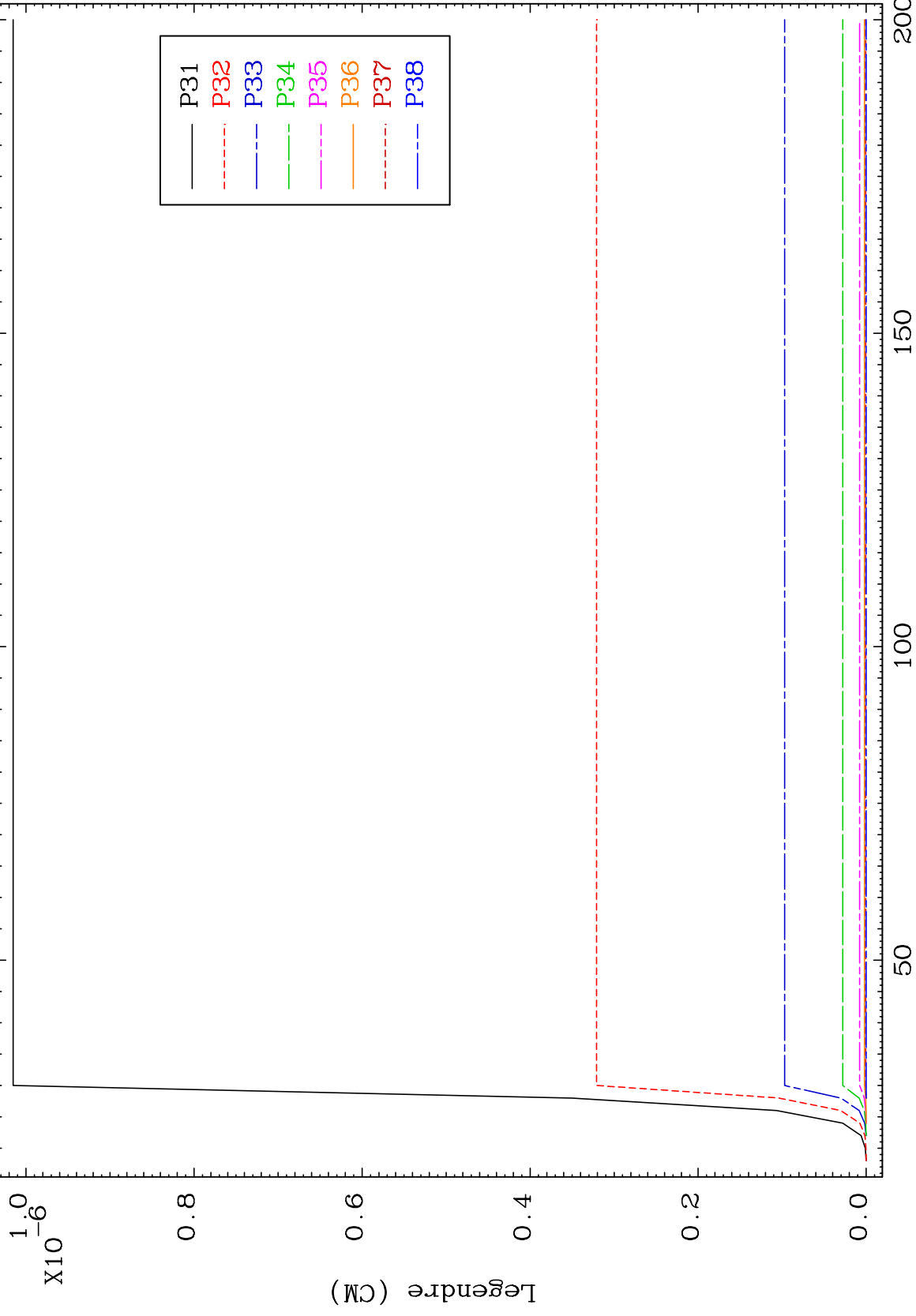
Incident Energy (MeV)

79-Au-189

MAT 7901

760.7 keV (n,n') Level
Legendre Coefficients

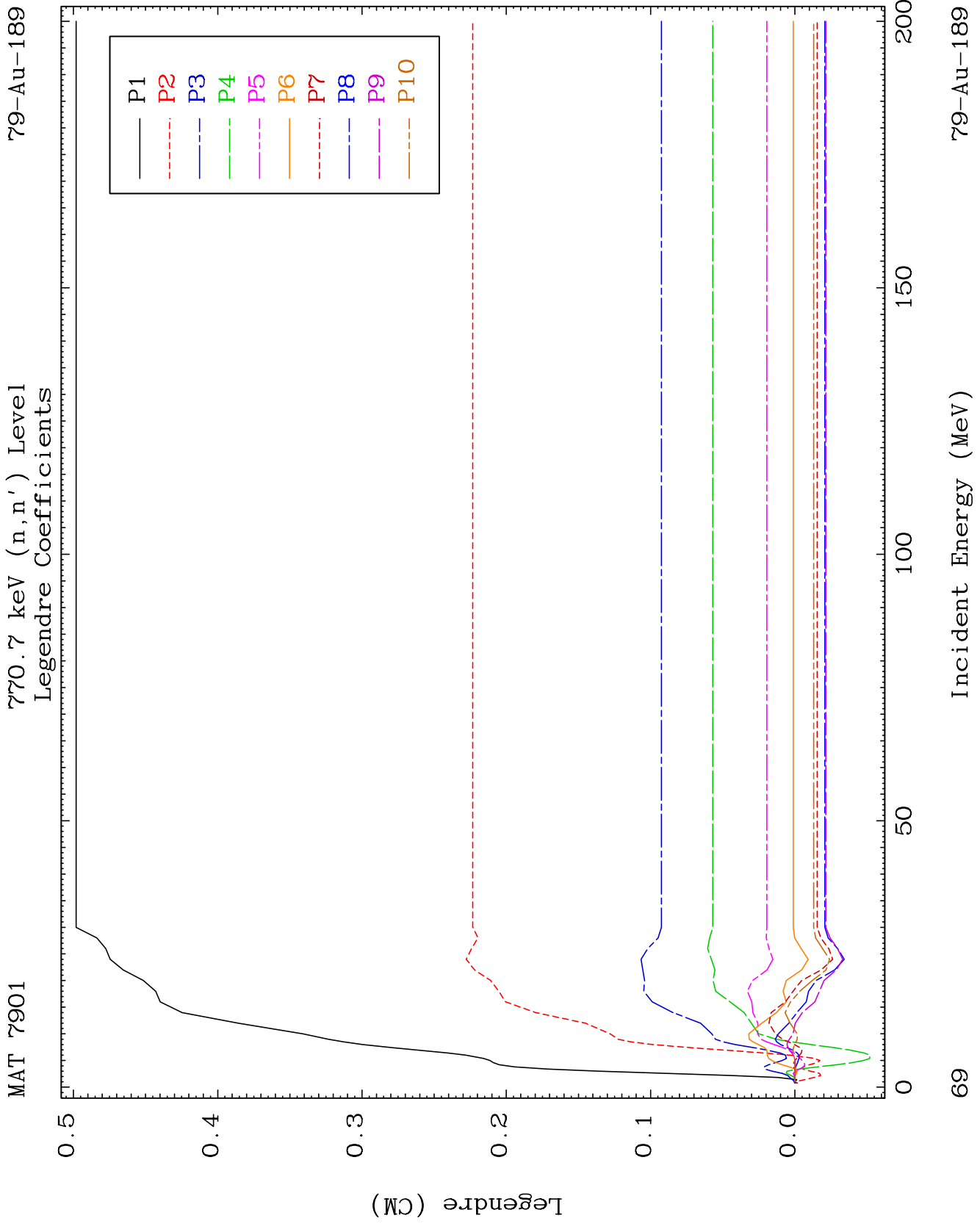
79-Au-189



68

Incident Energy (MeV)

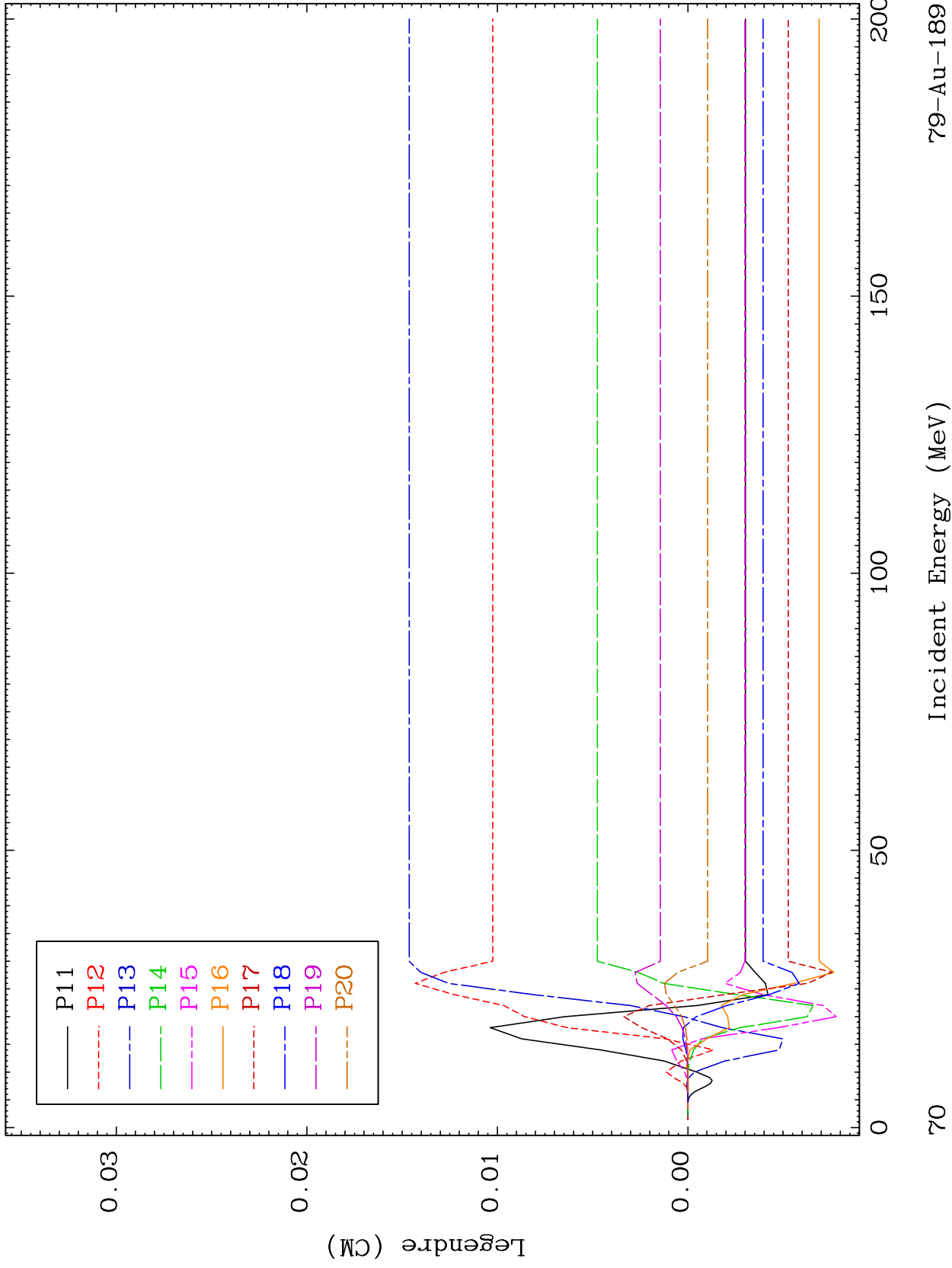
79-Au-189



MAT 7901

770.7 keV (n,n') Level
Legendre Coefficients

79-Au-189



79-Au-189

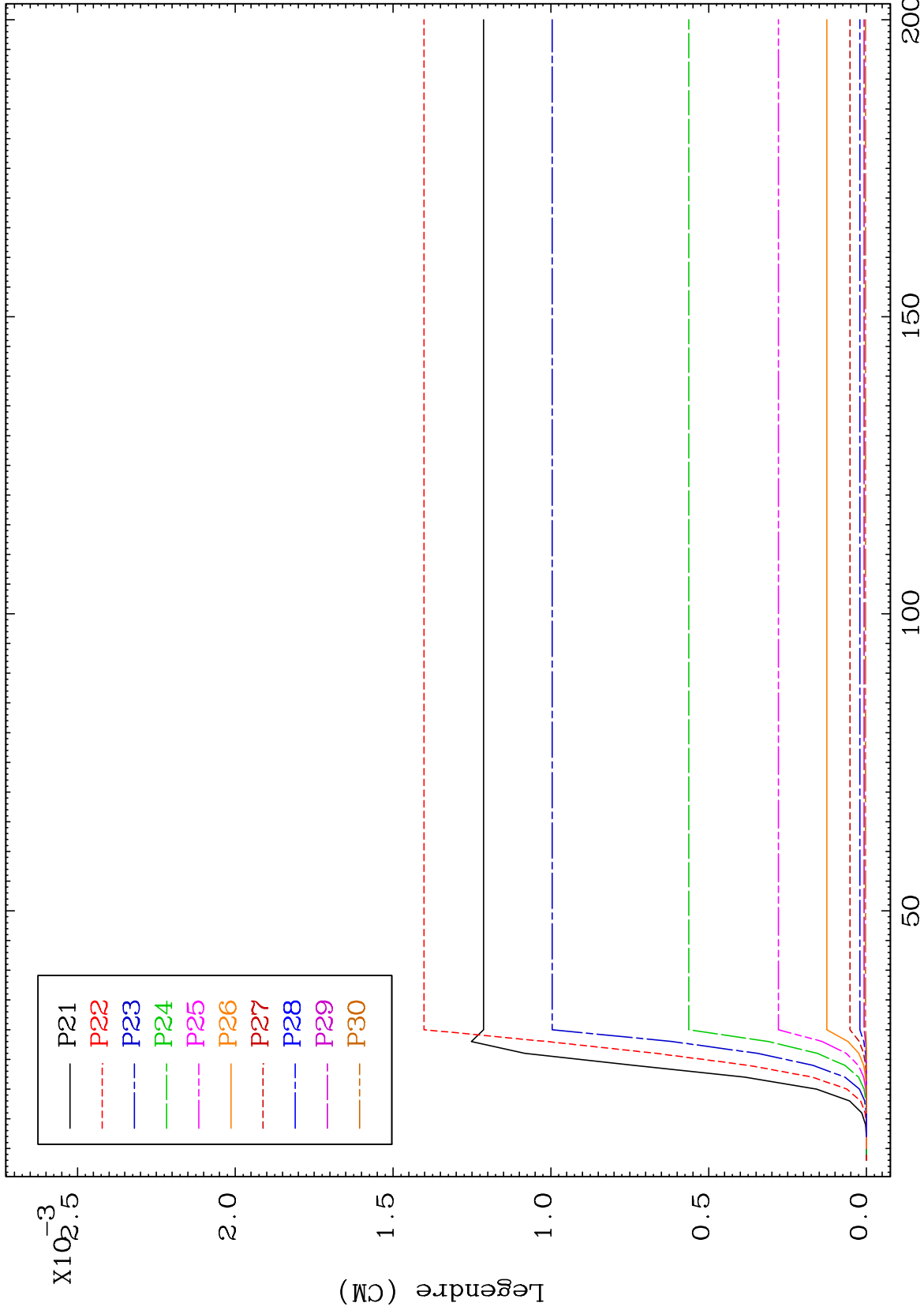
Incident Energy (MeV)

70

MAT 7901

770.7 keV (n, n') Level
Legendre Coefficients

79-Au-189



71

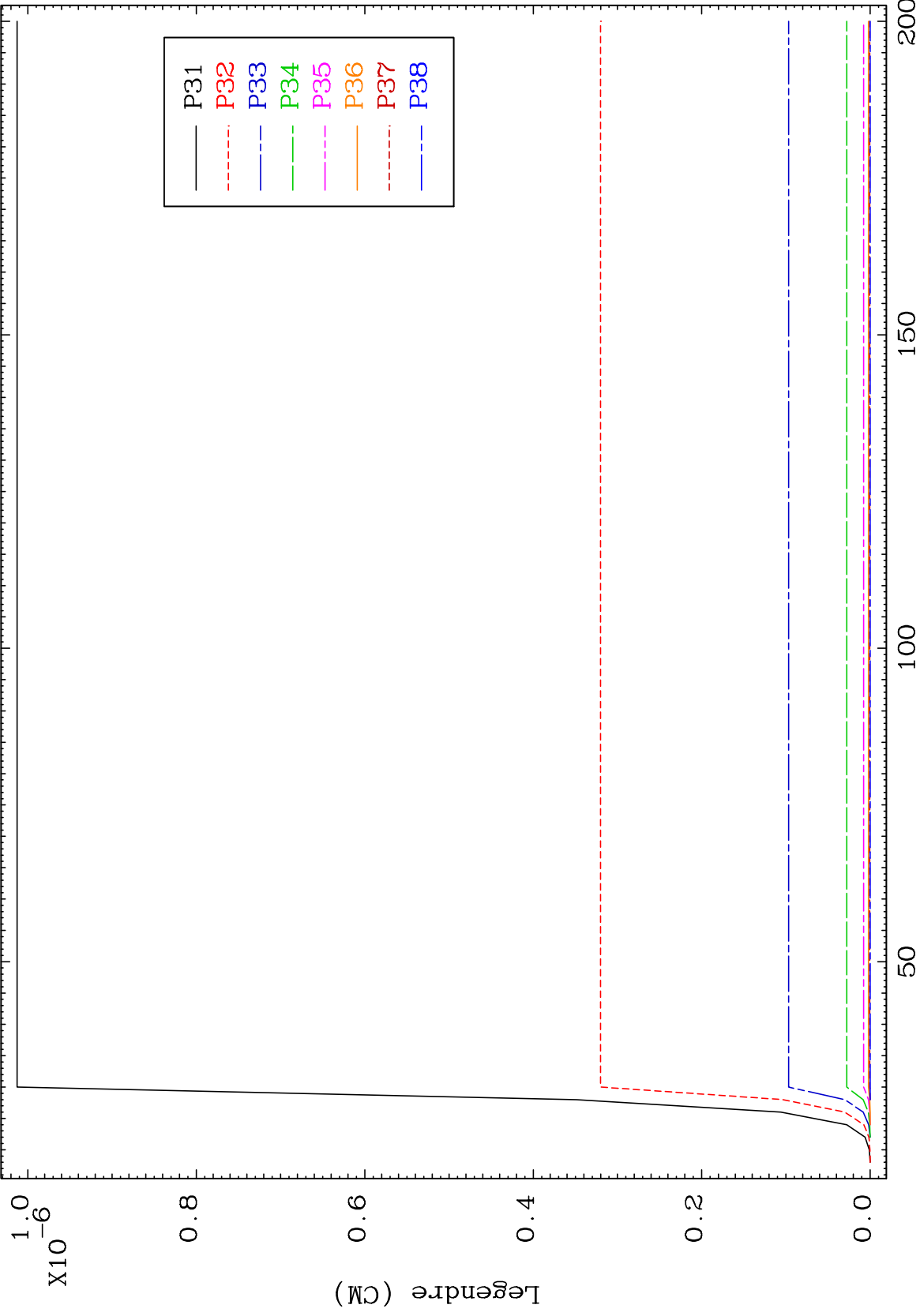
Incident Energy (MeV)

79-Au-189

MAT 7901

770.7 keV (n,n') Level
Legendre Coefficients

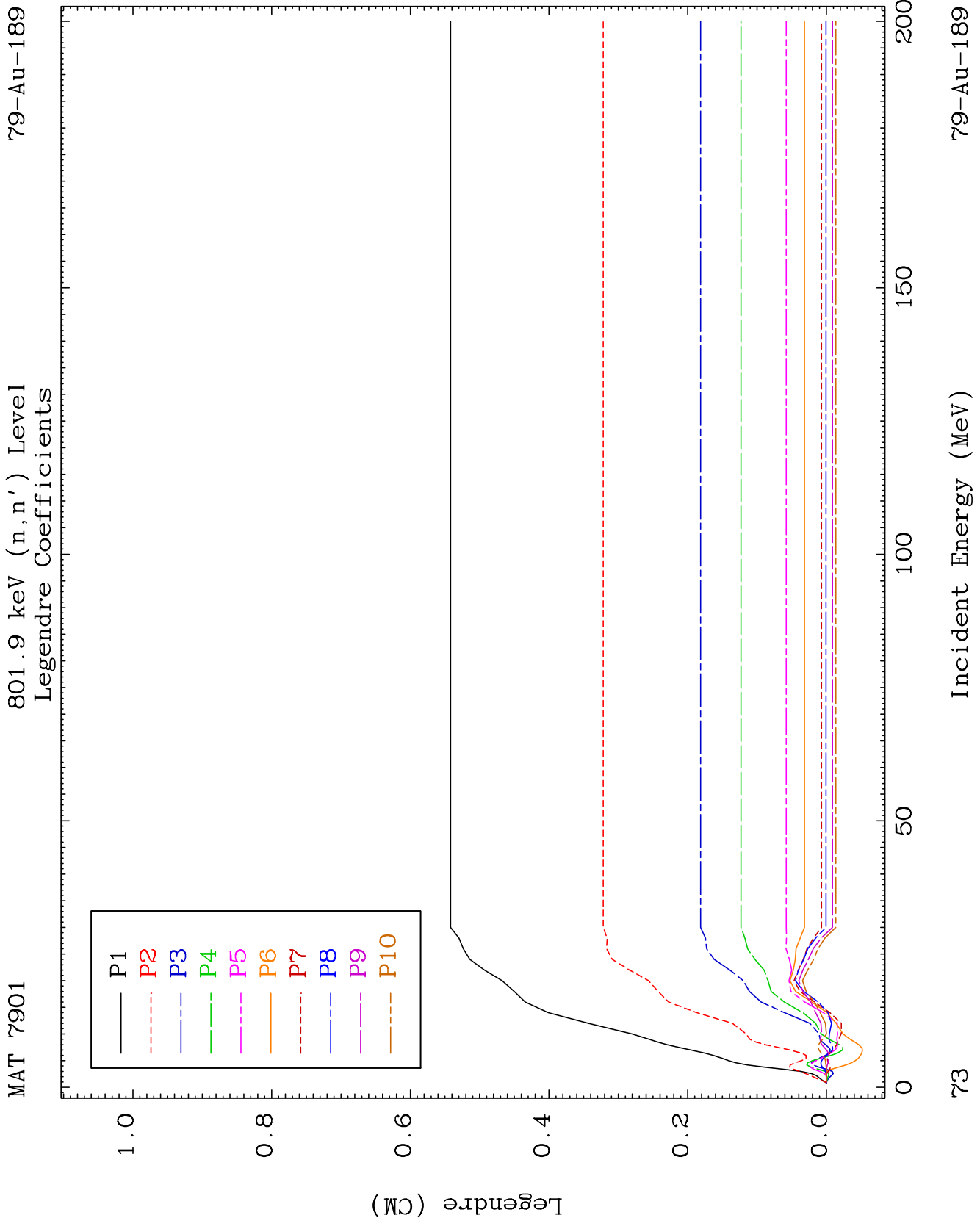
79-Au-189



72

Incident Energy (MeV)

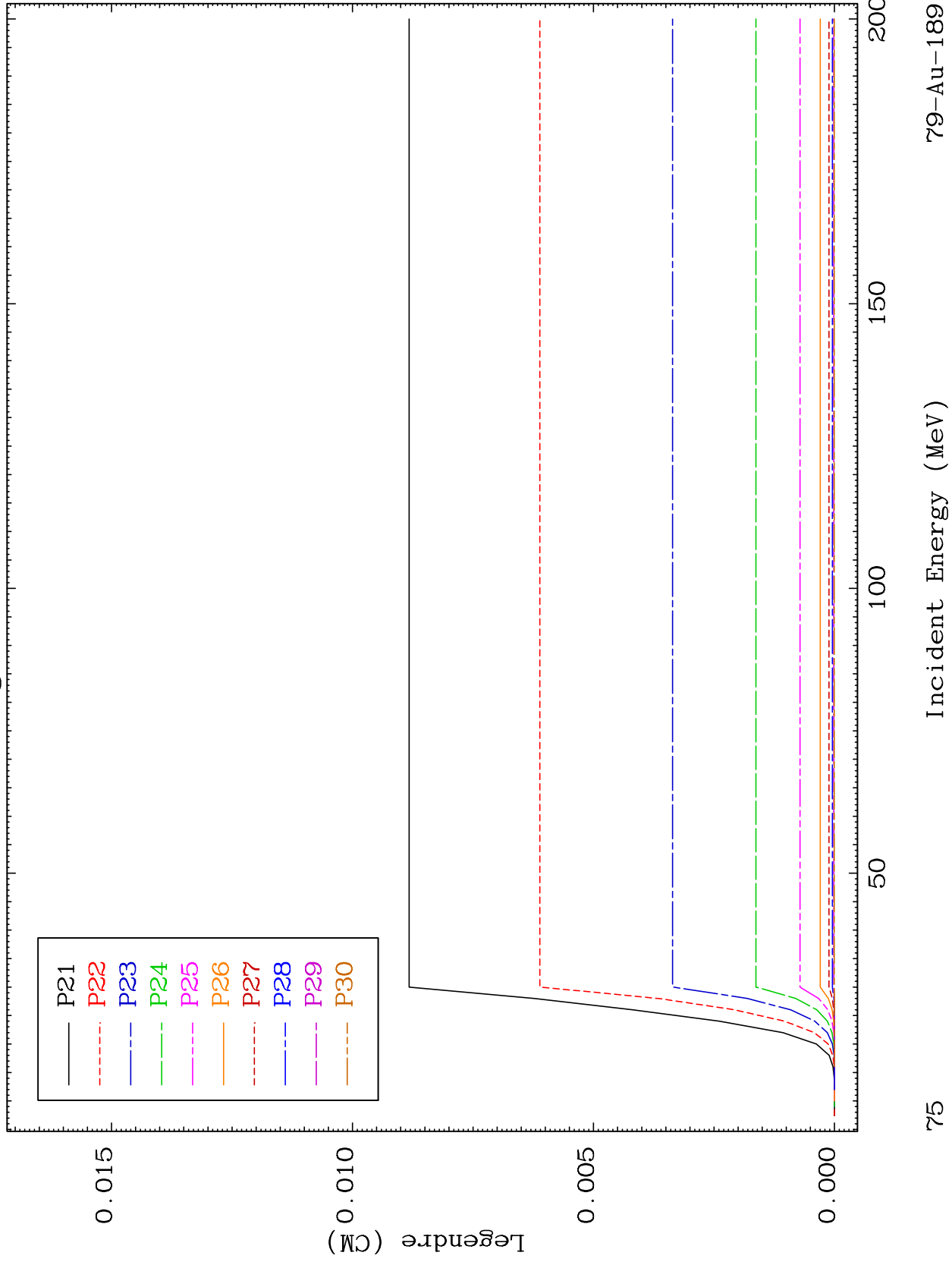
79-Au-189



MAT 7901

801.9 keV (n,n') Level
Legendre Coefficients

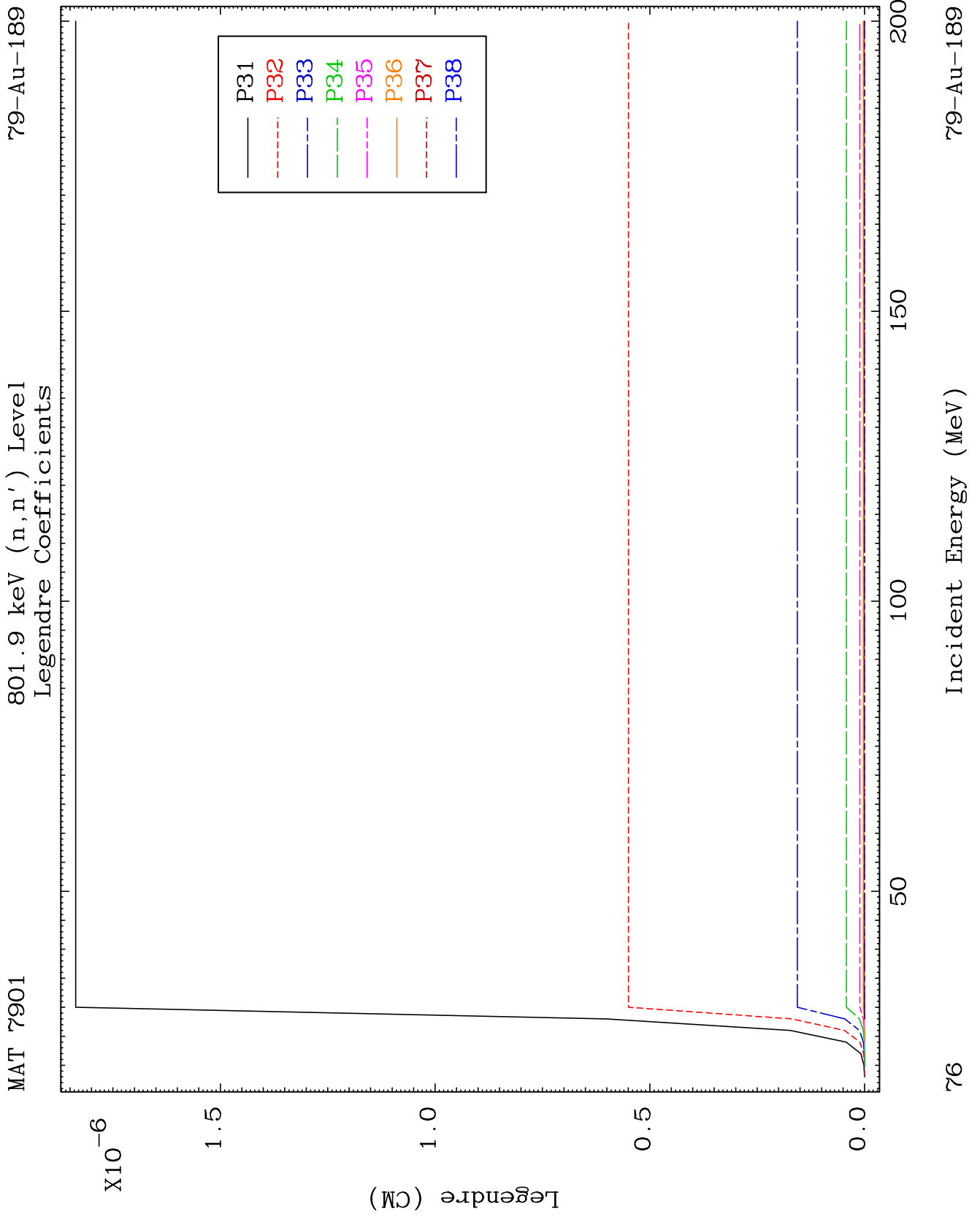
79-Au-189

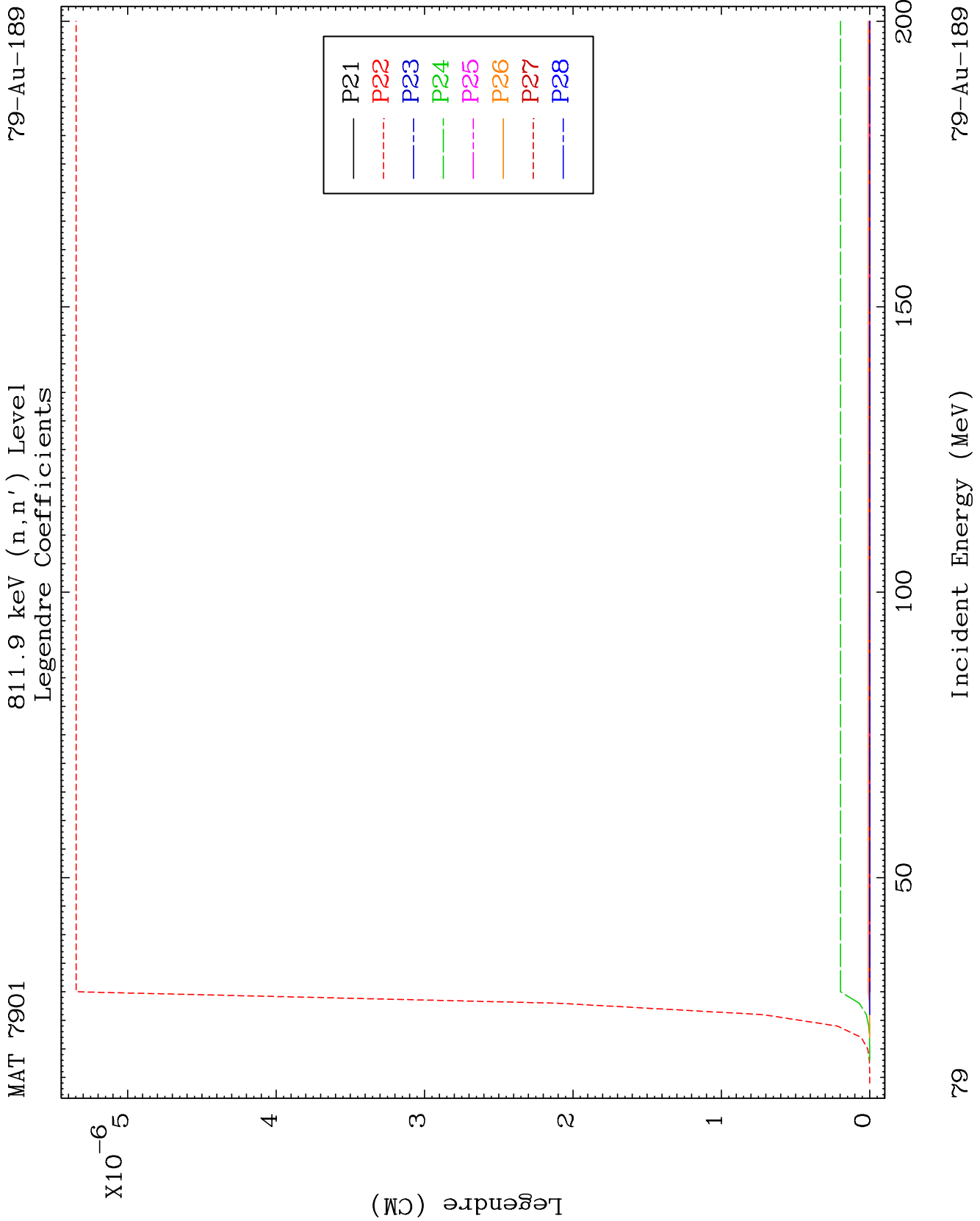


75

Incident Energy (MeV)

79-Au-189

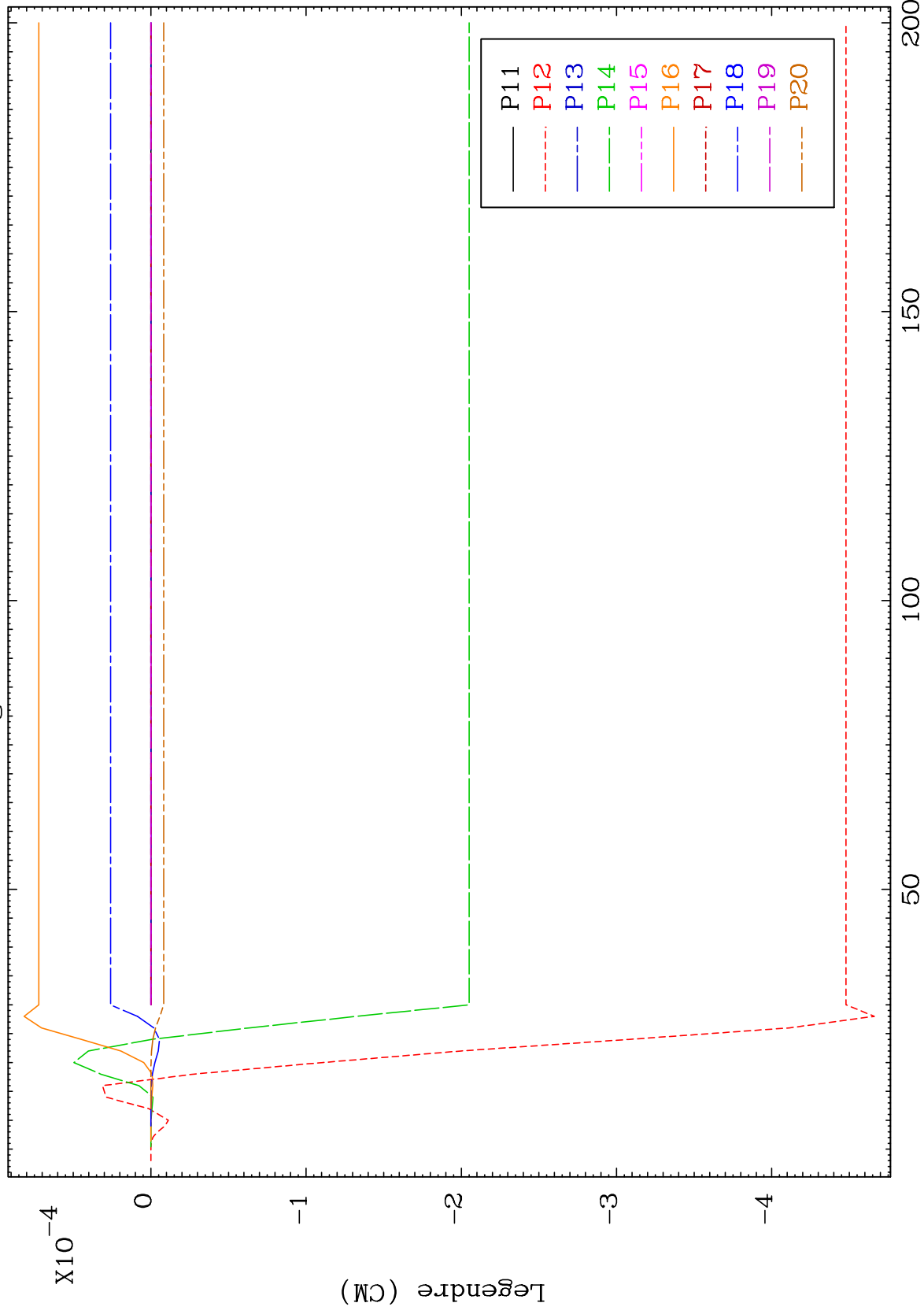




MAT 7901

813.5 keV (n,n') Level
Legendre Coefficients

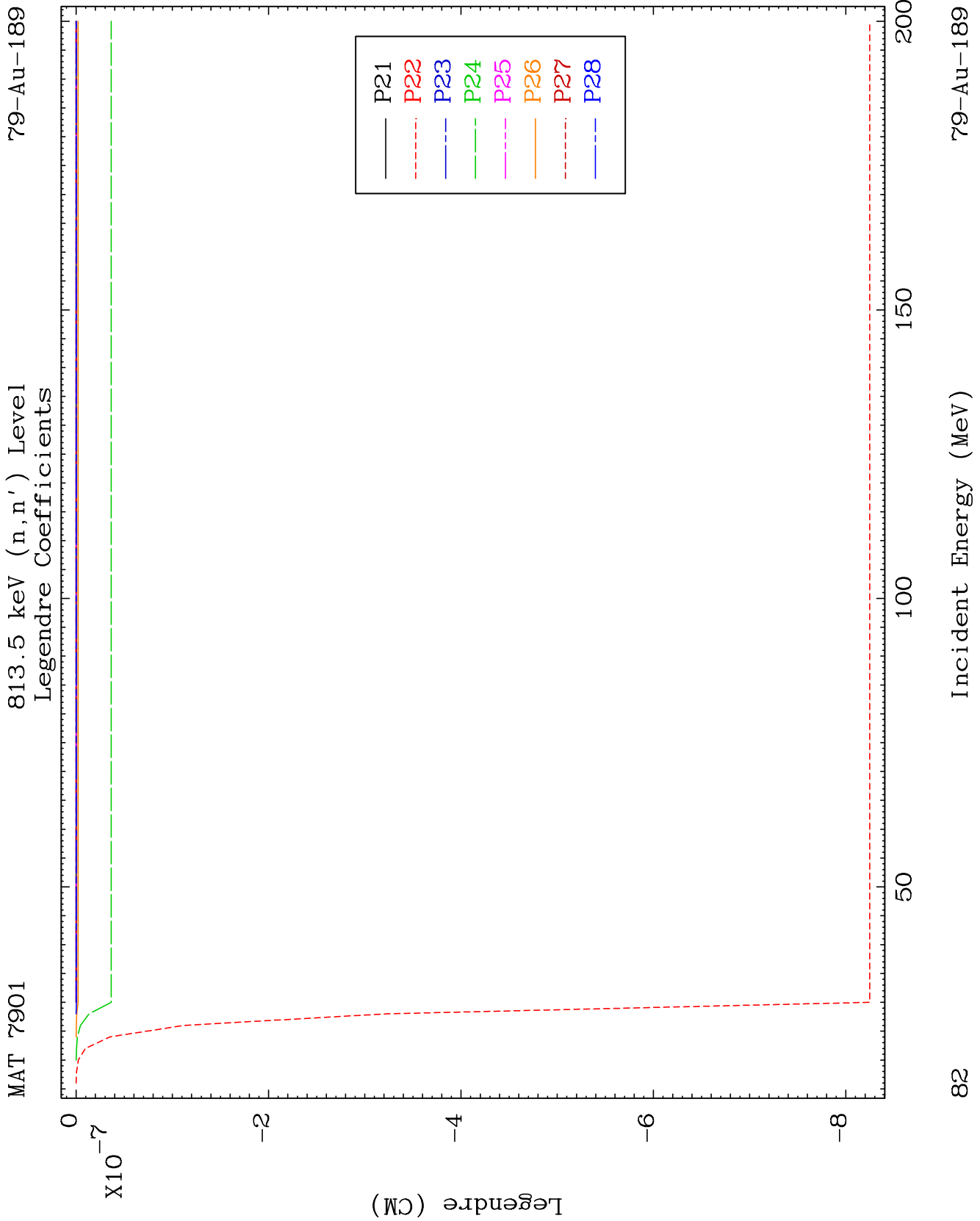
79-Au-189

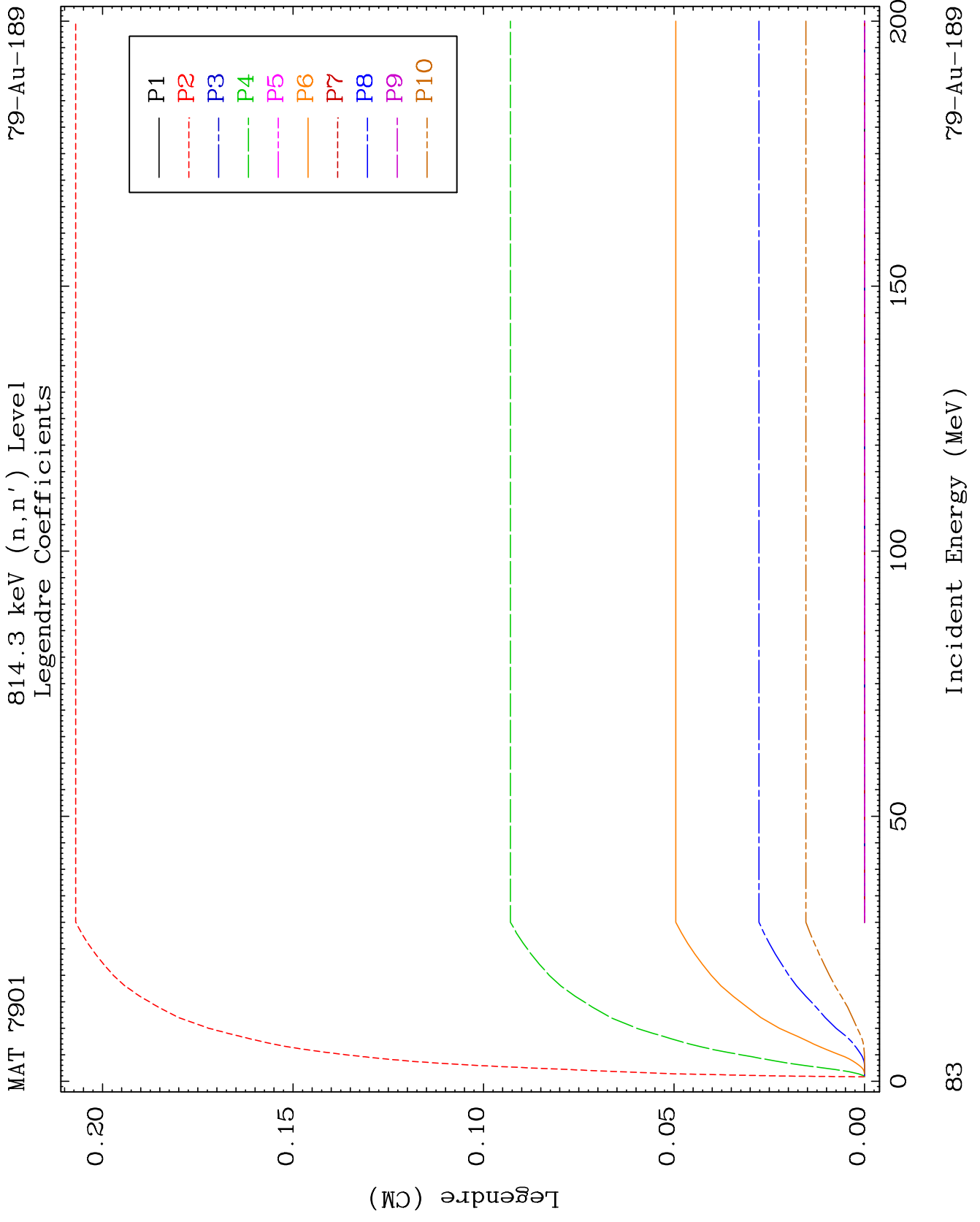


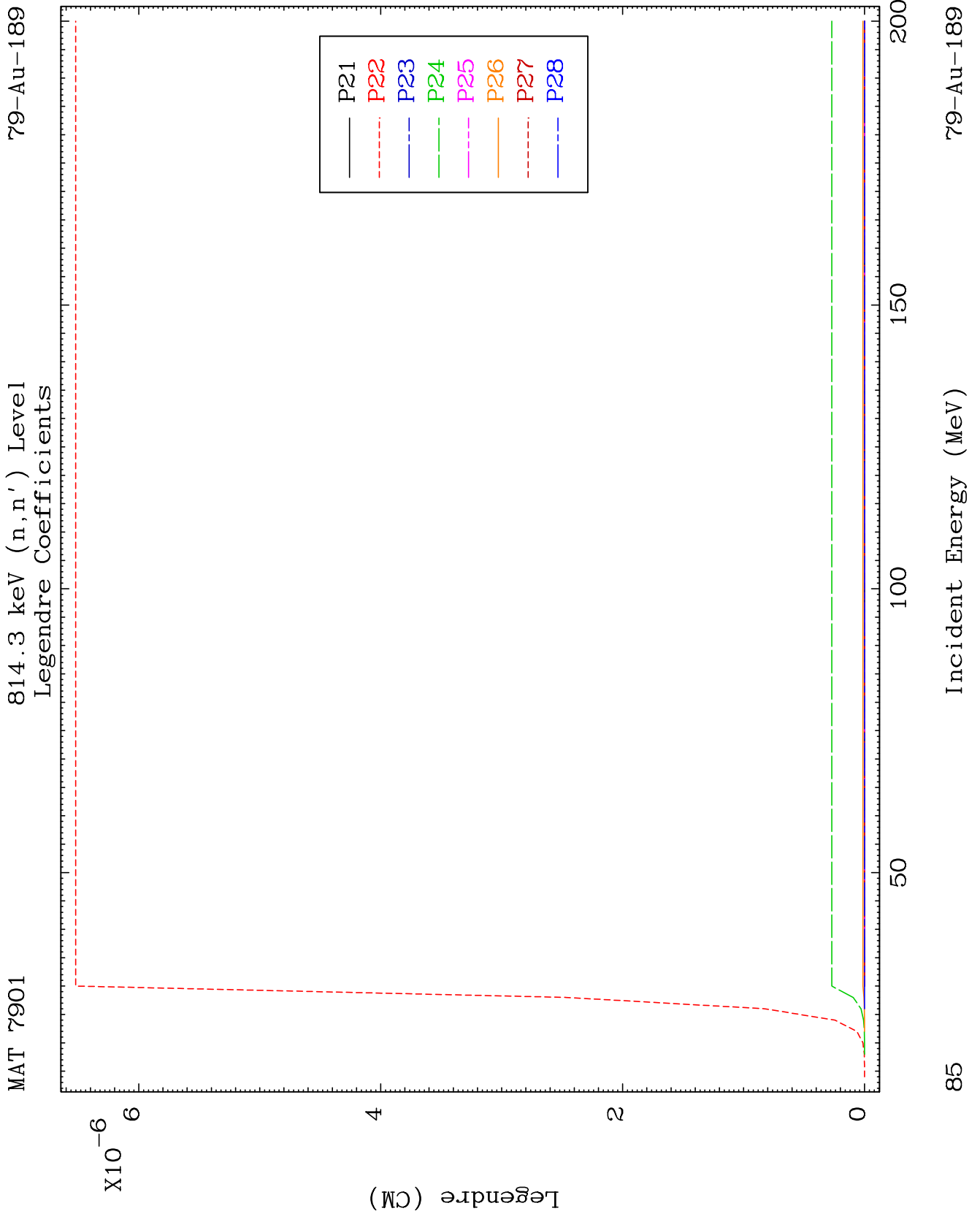
81

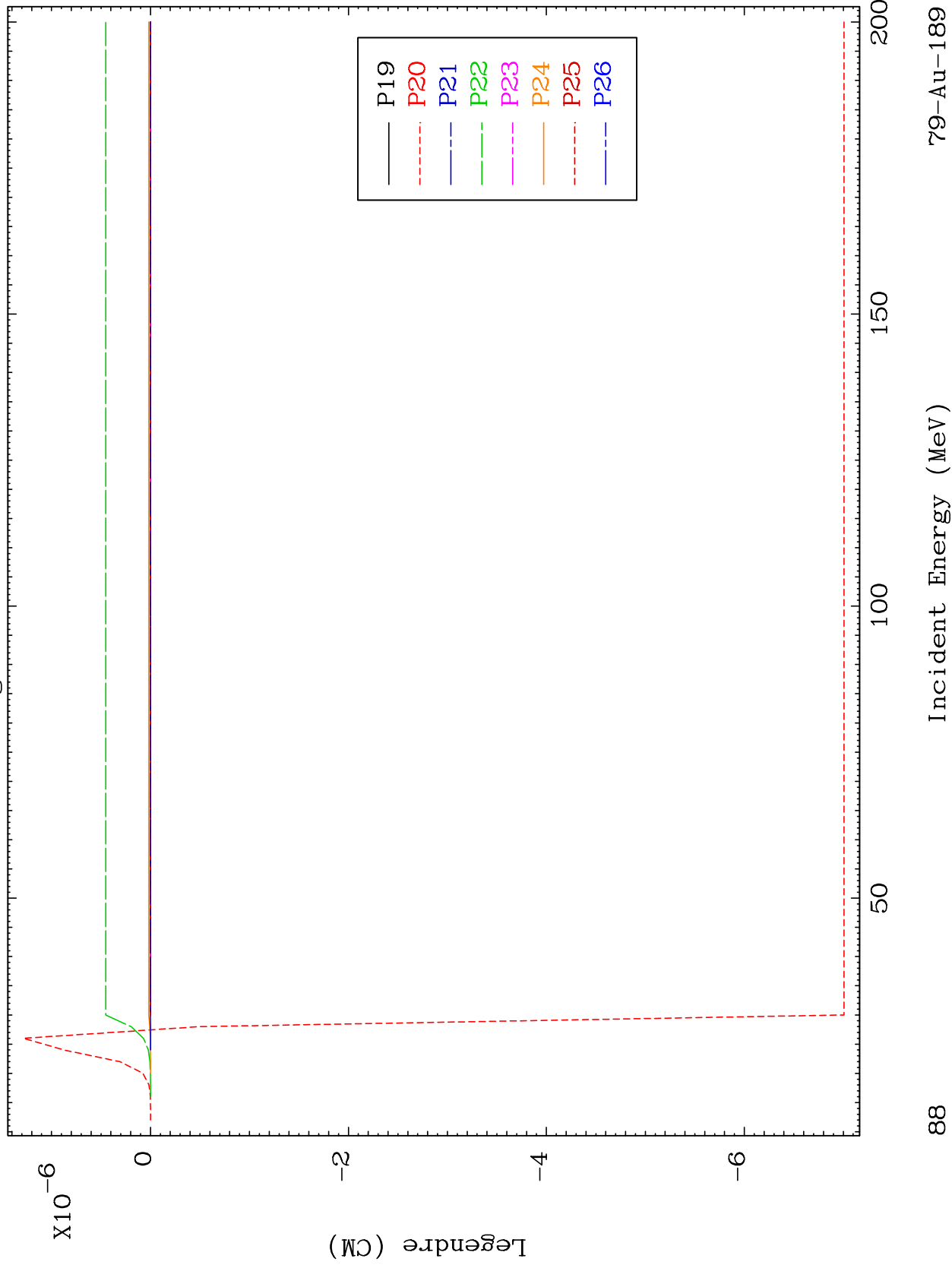
Incident Energy (MeV)

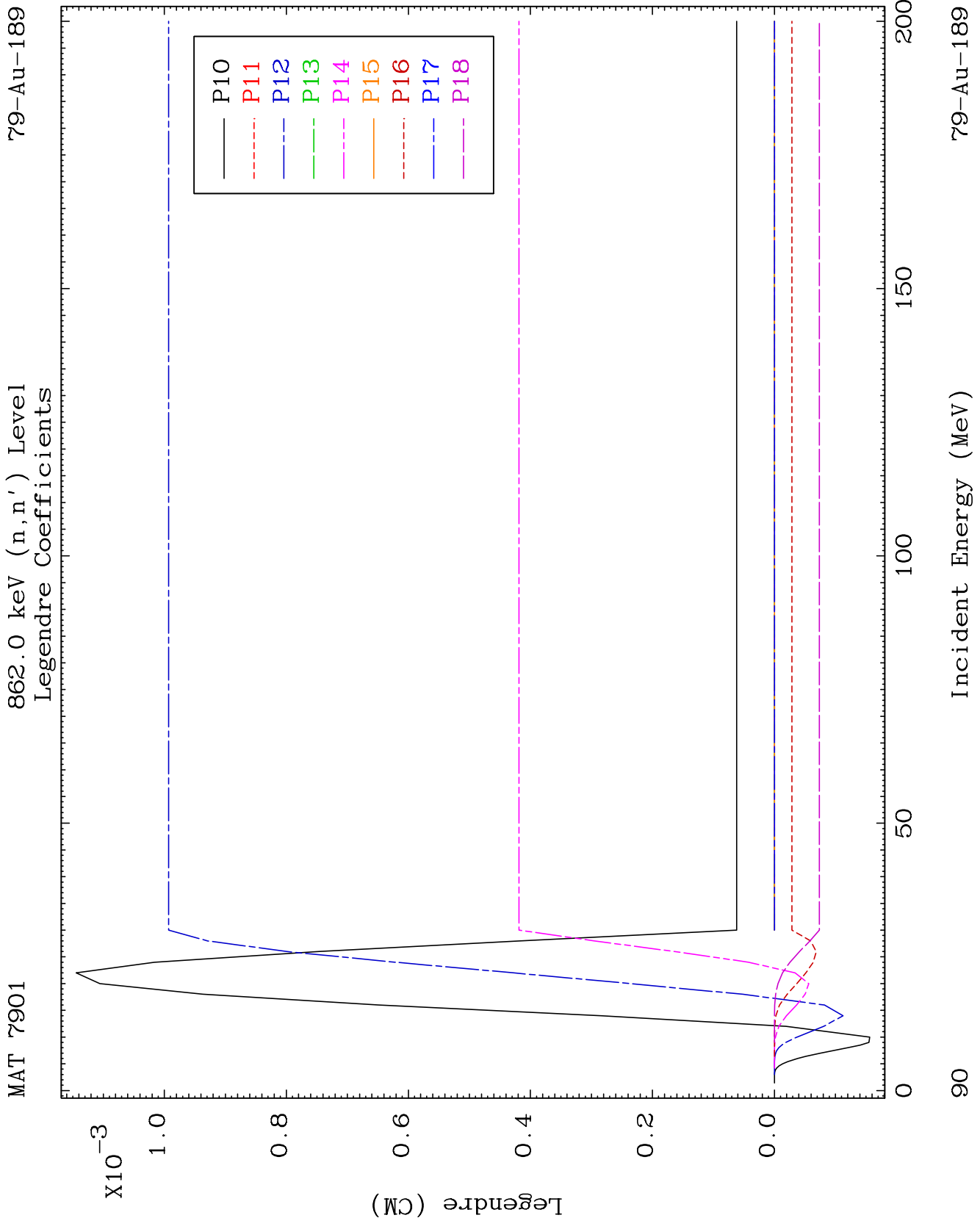
79-Au-189

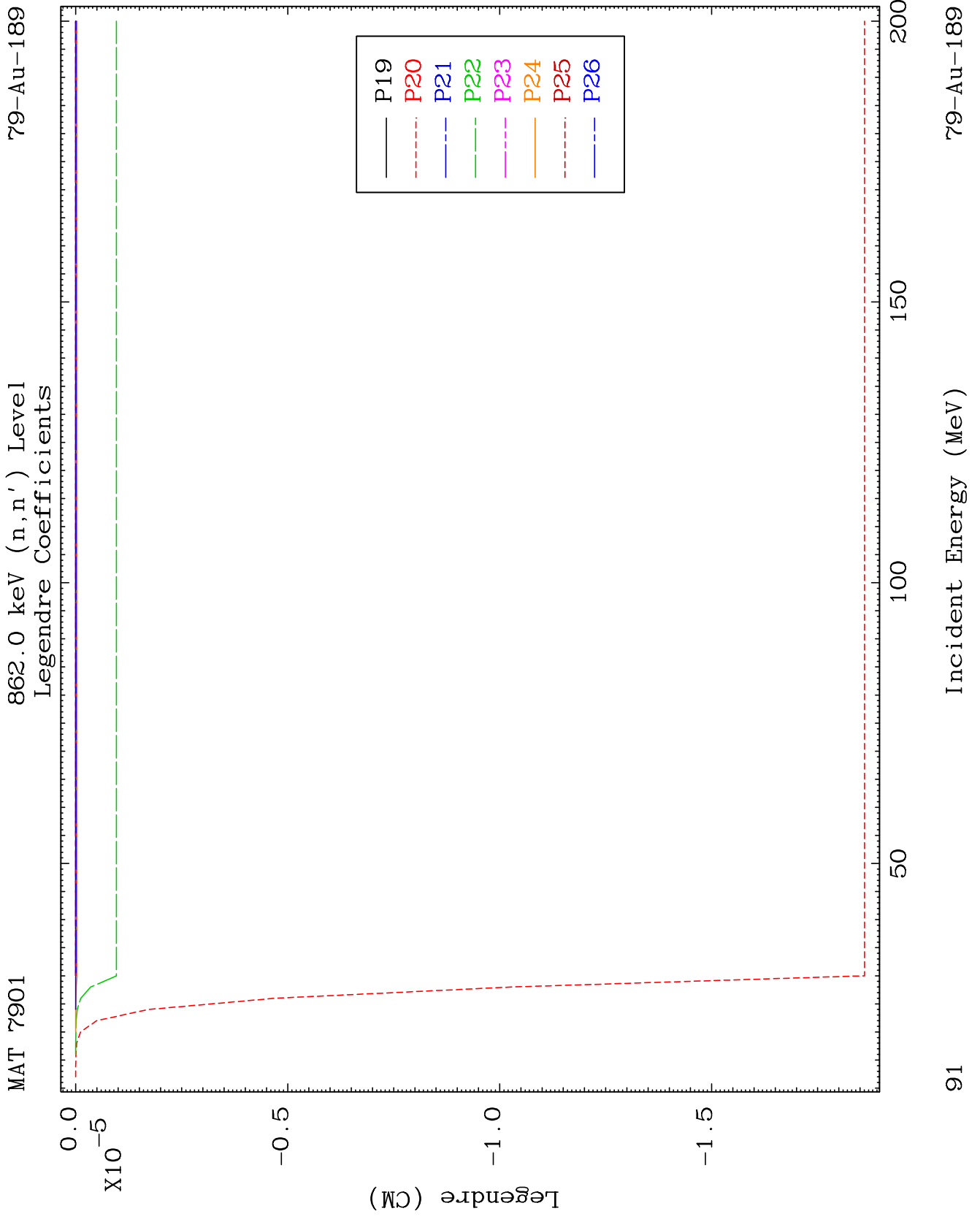


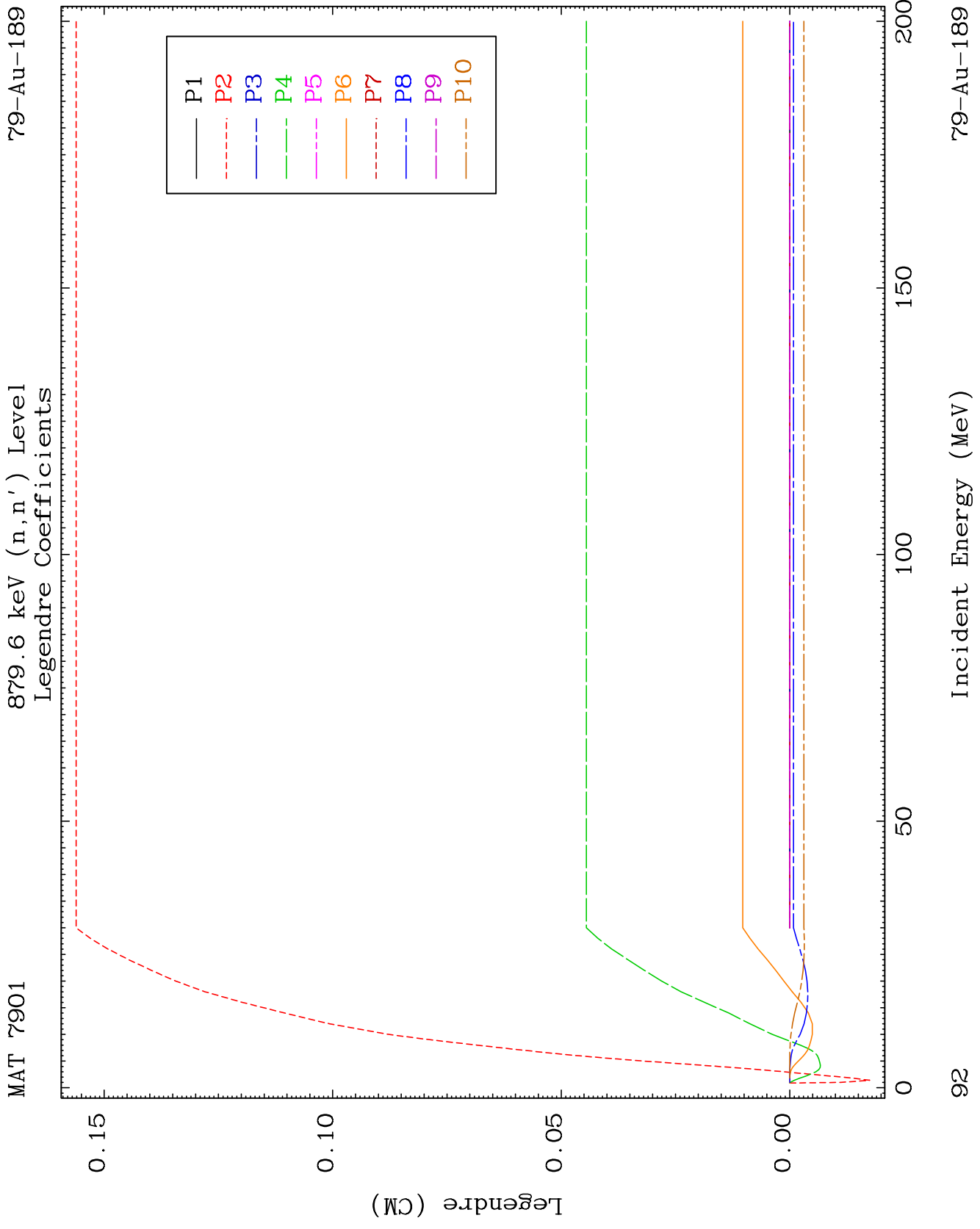


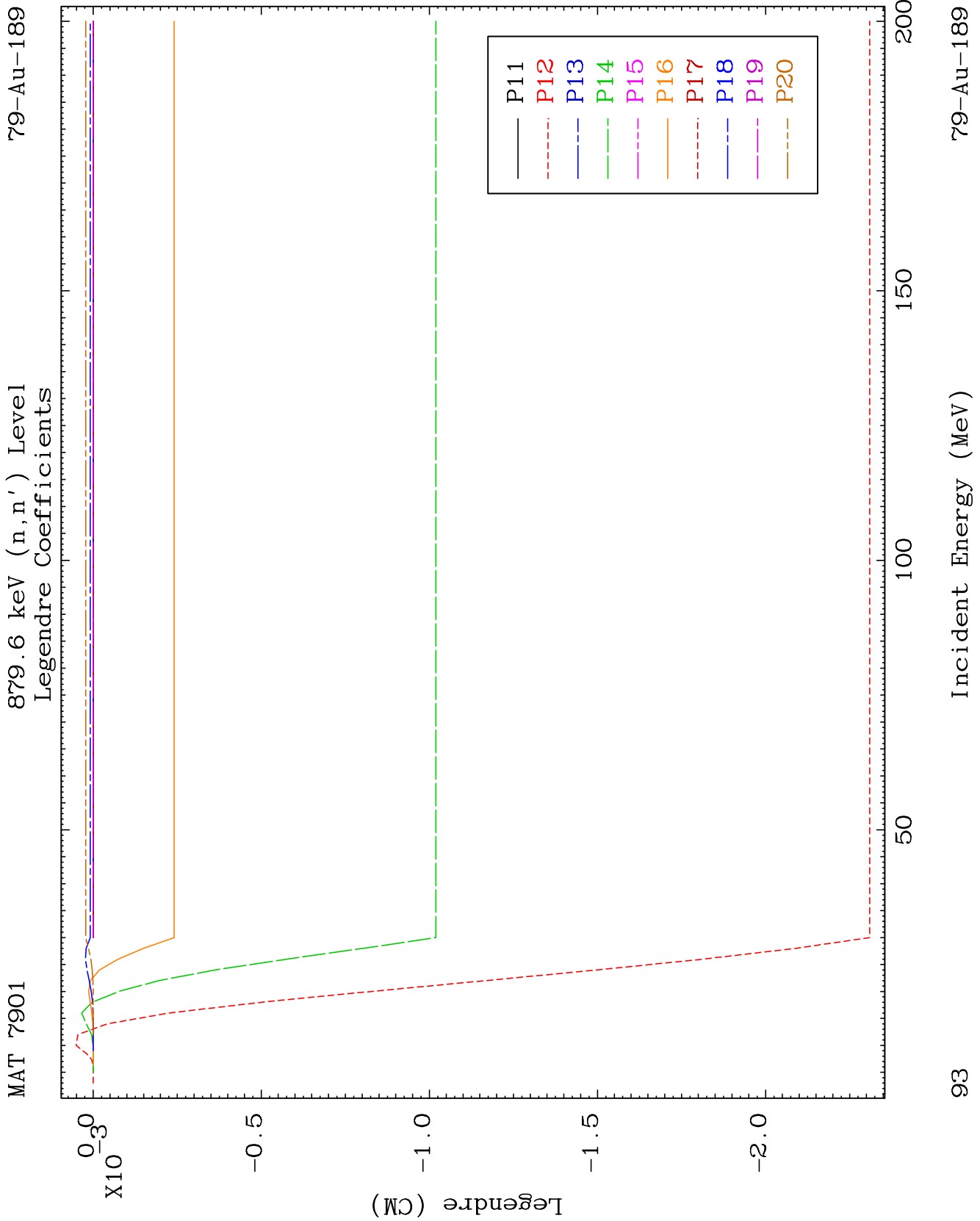


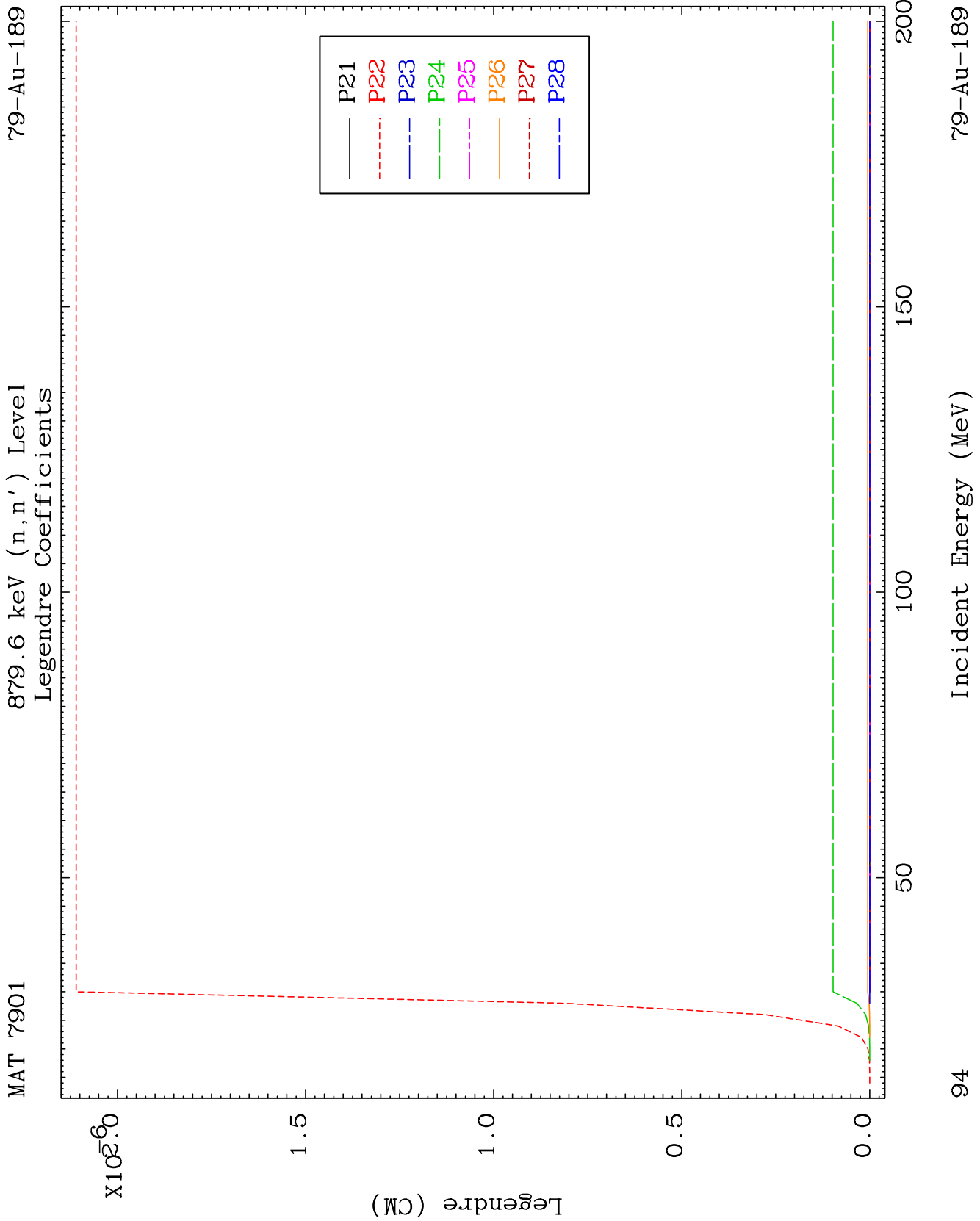


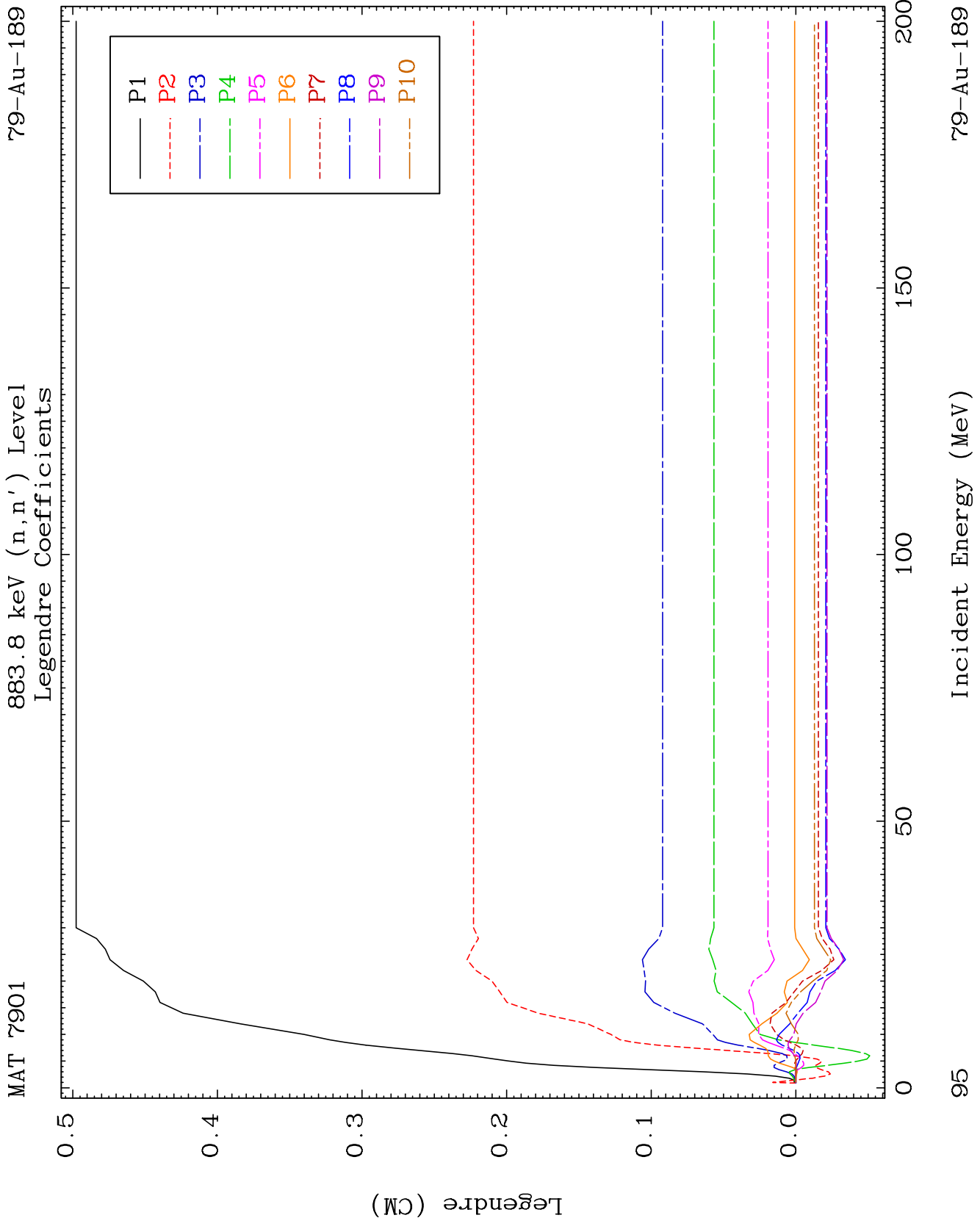








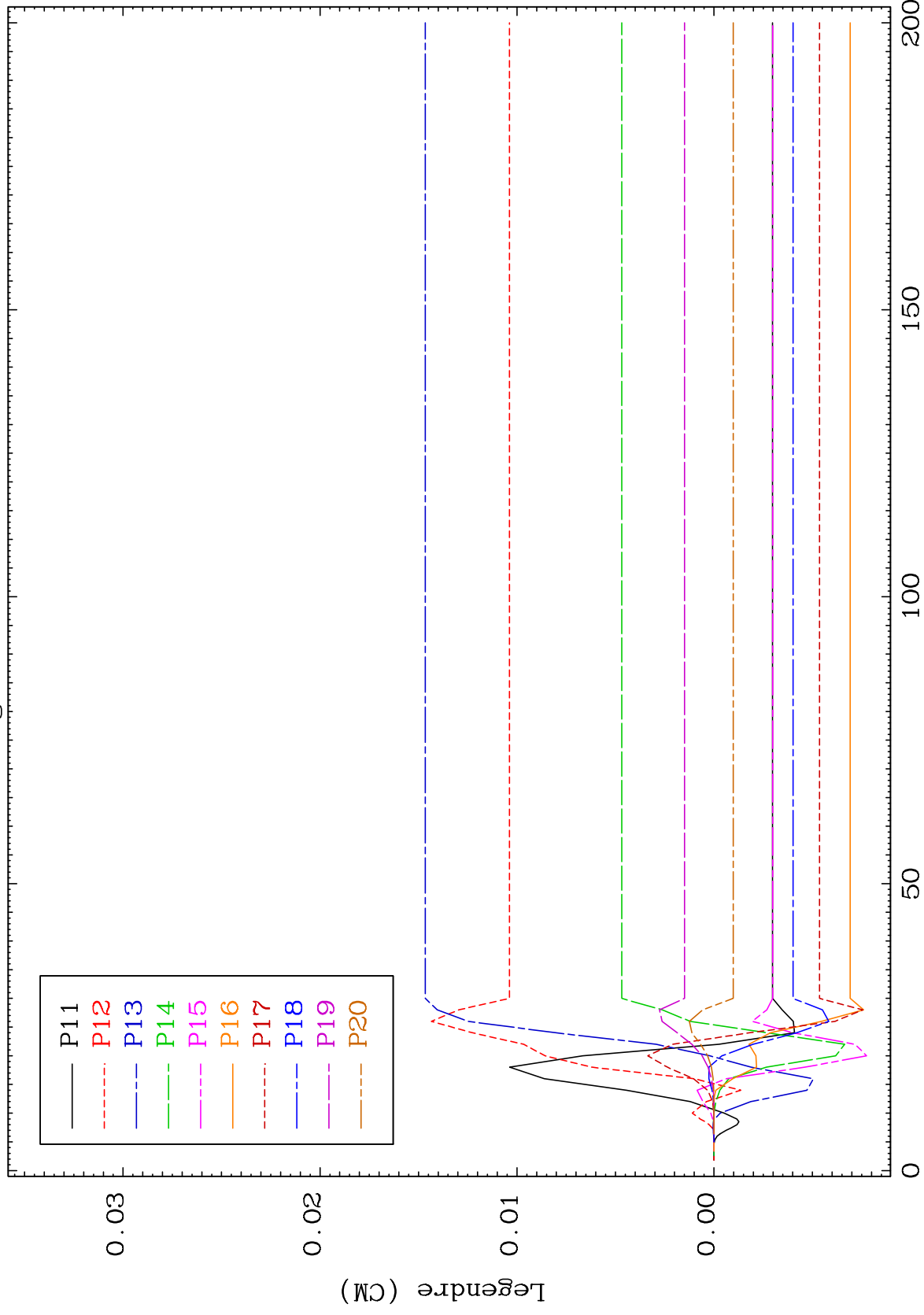




MAT 7901

883.8 keV (n,n') Level
Legendre Coefficients

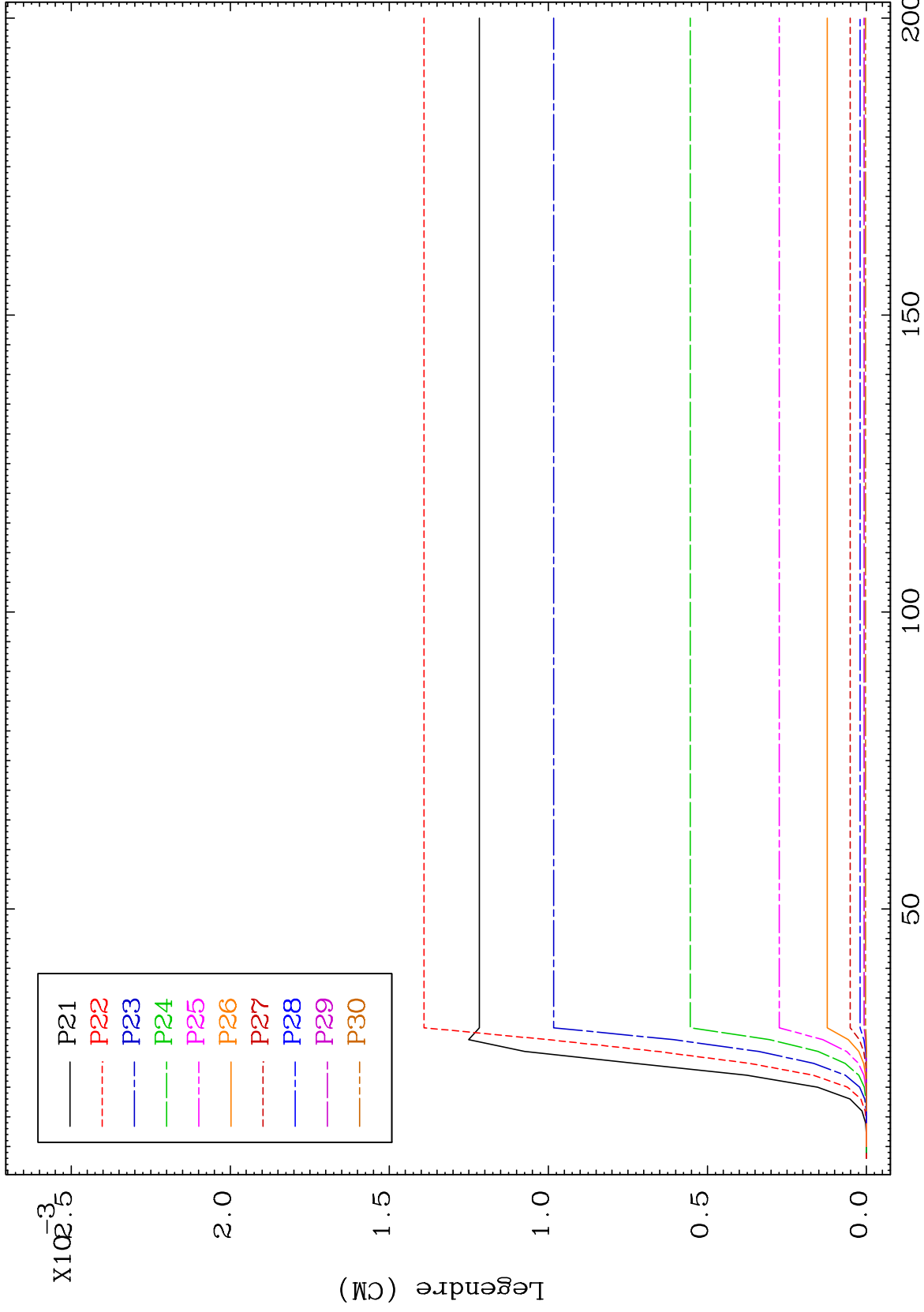
79-Au-189

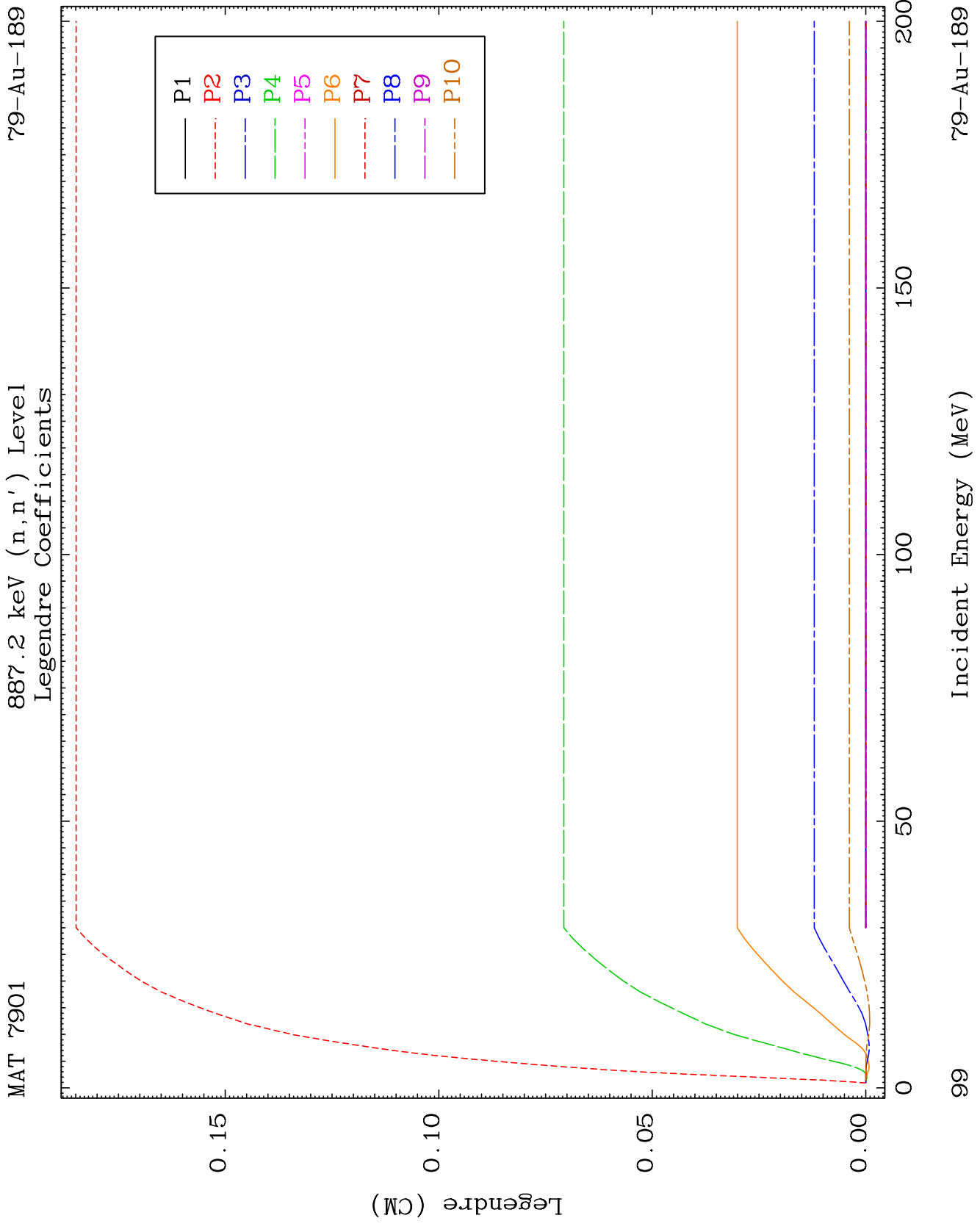


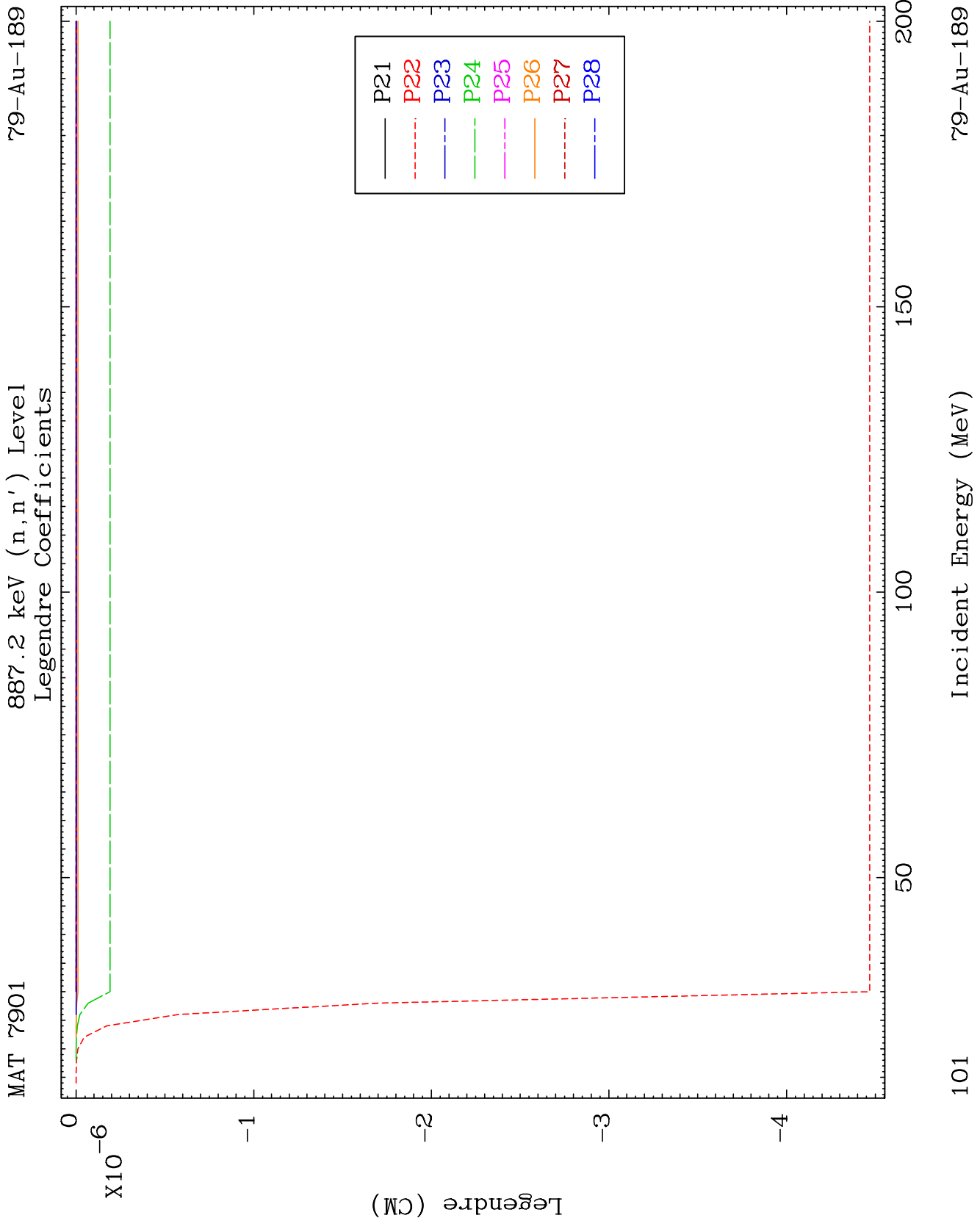
96

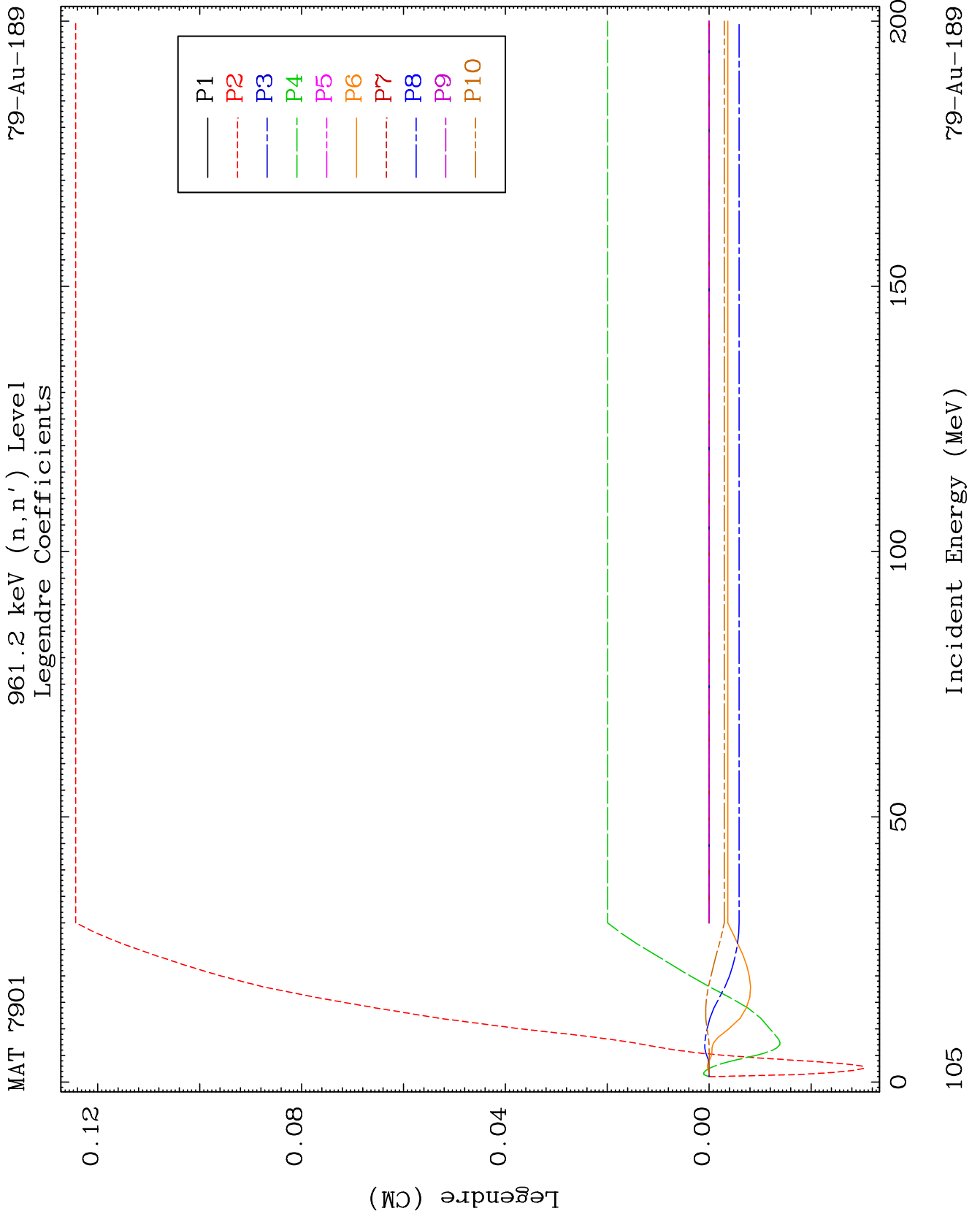
Incident Energy (MeV)

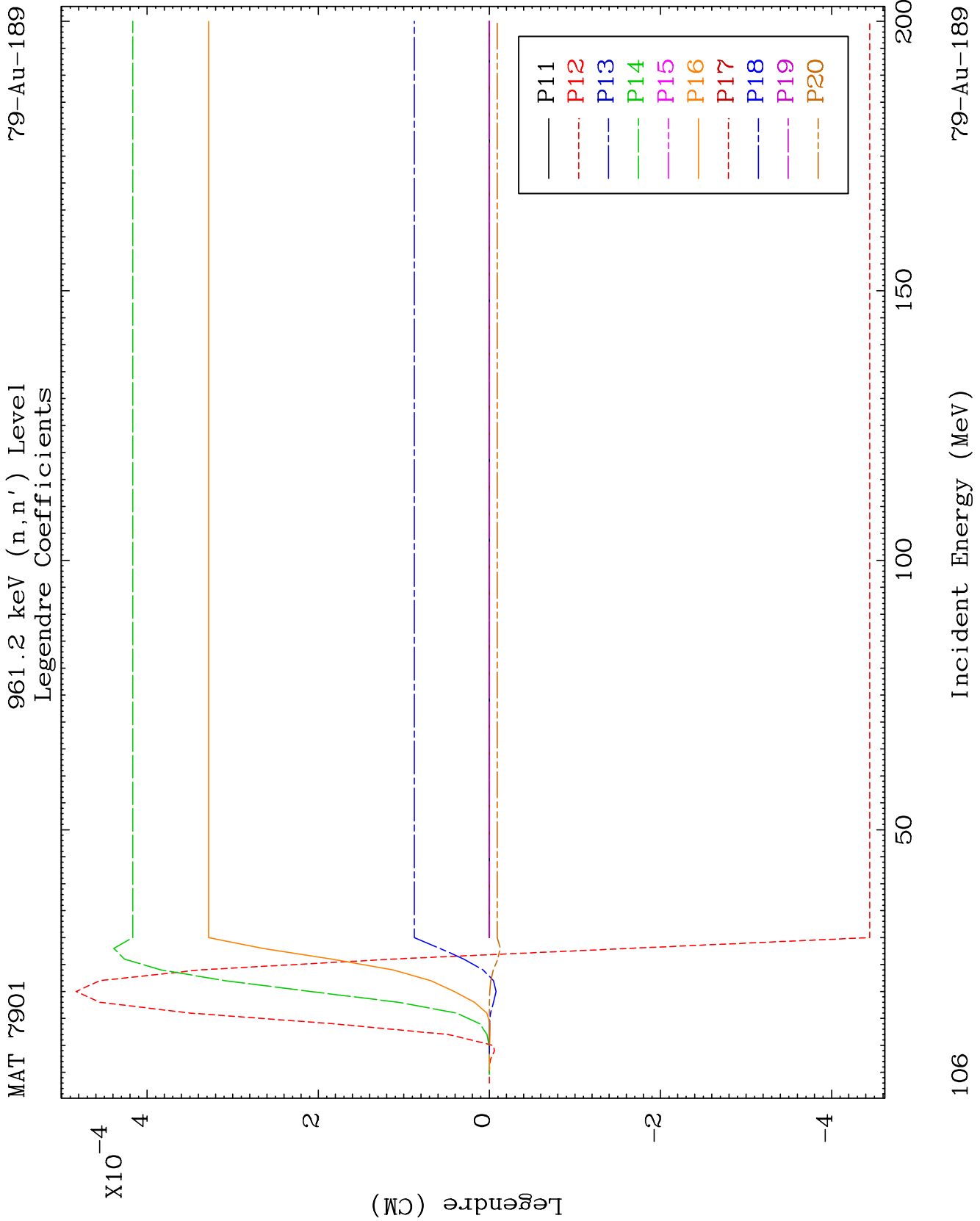
79-Au-189

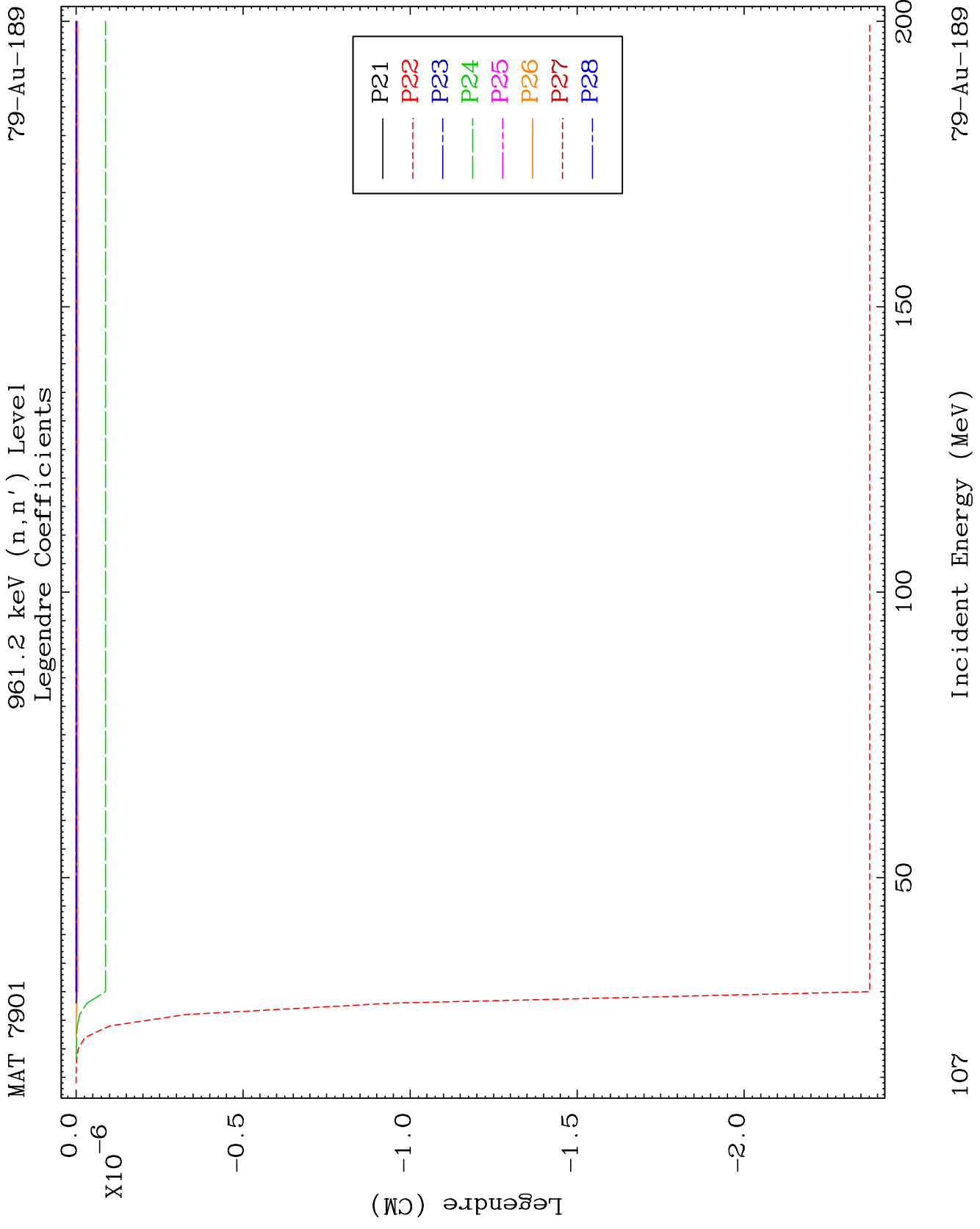


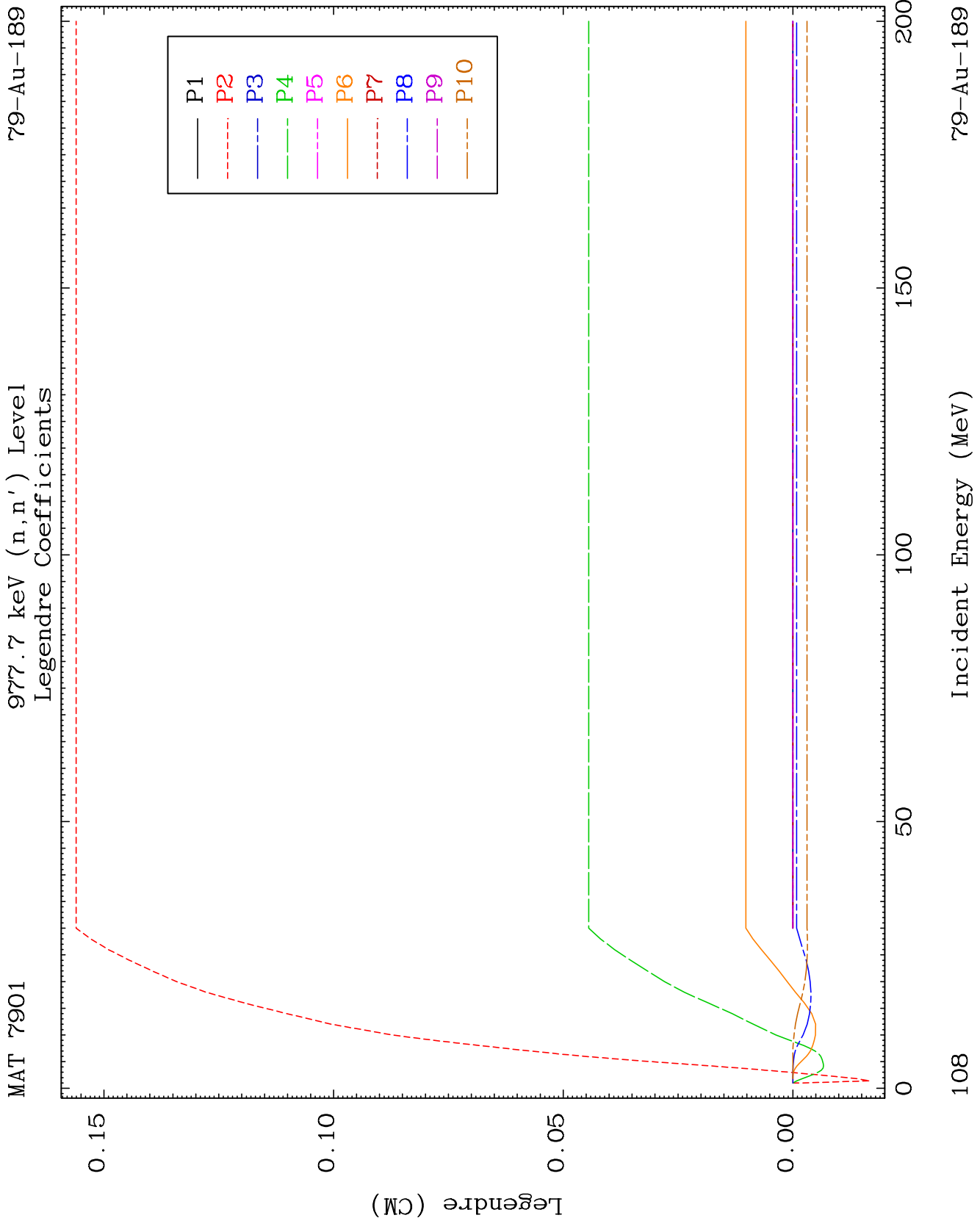


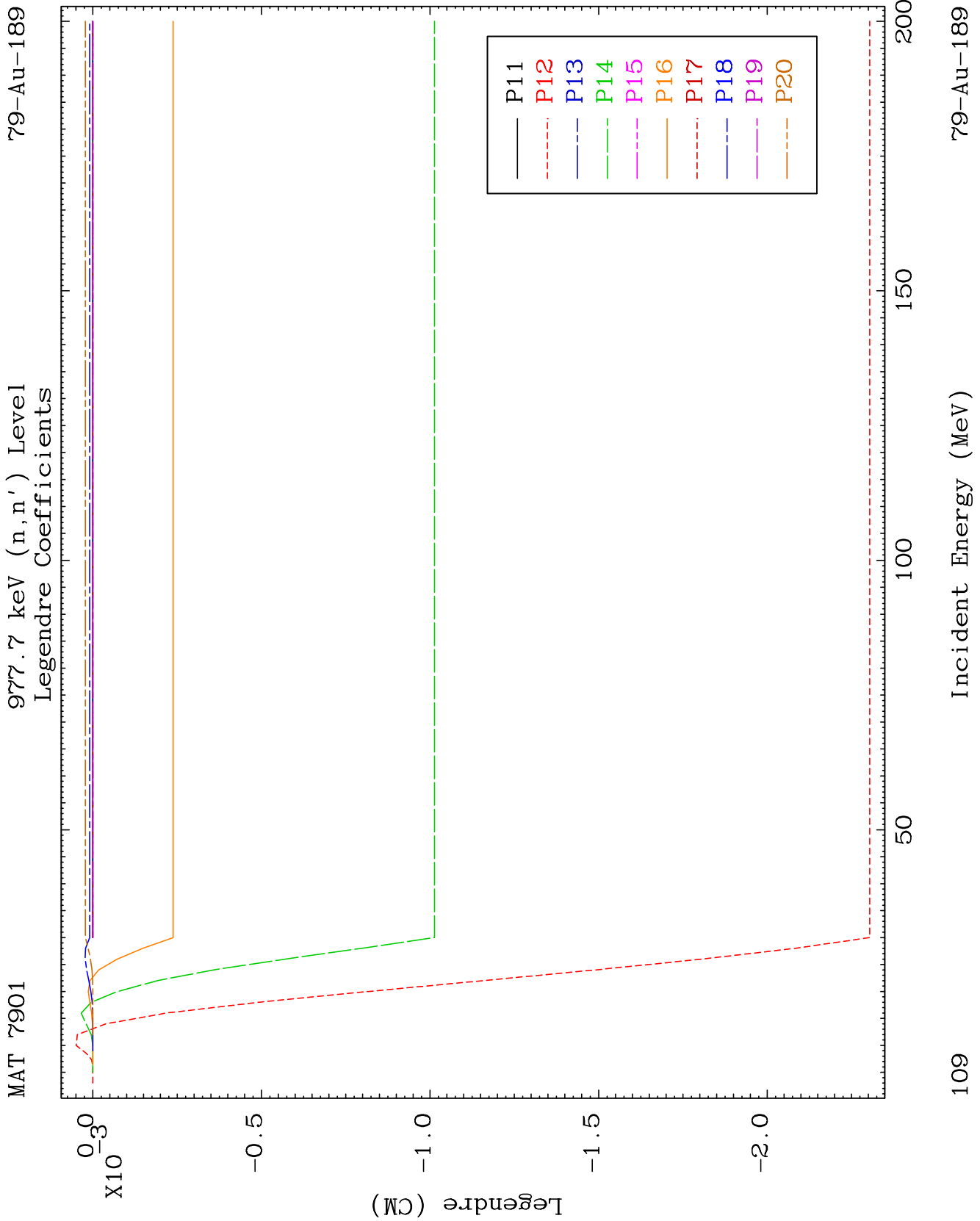


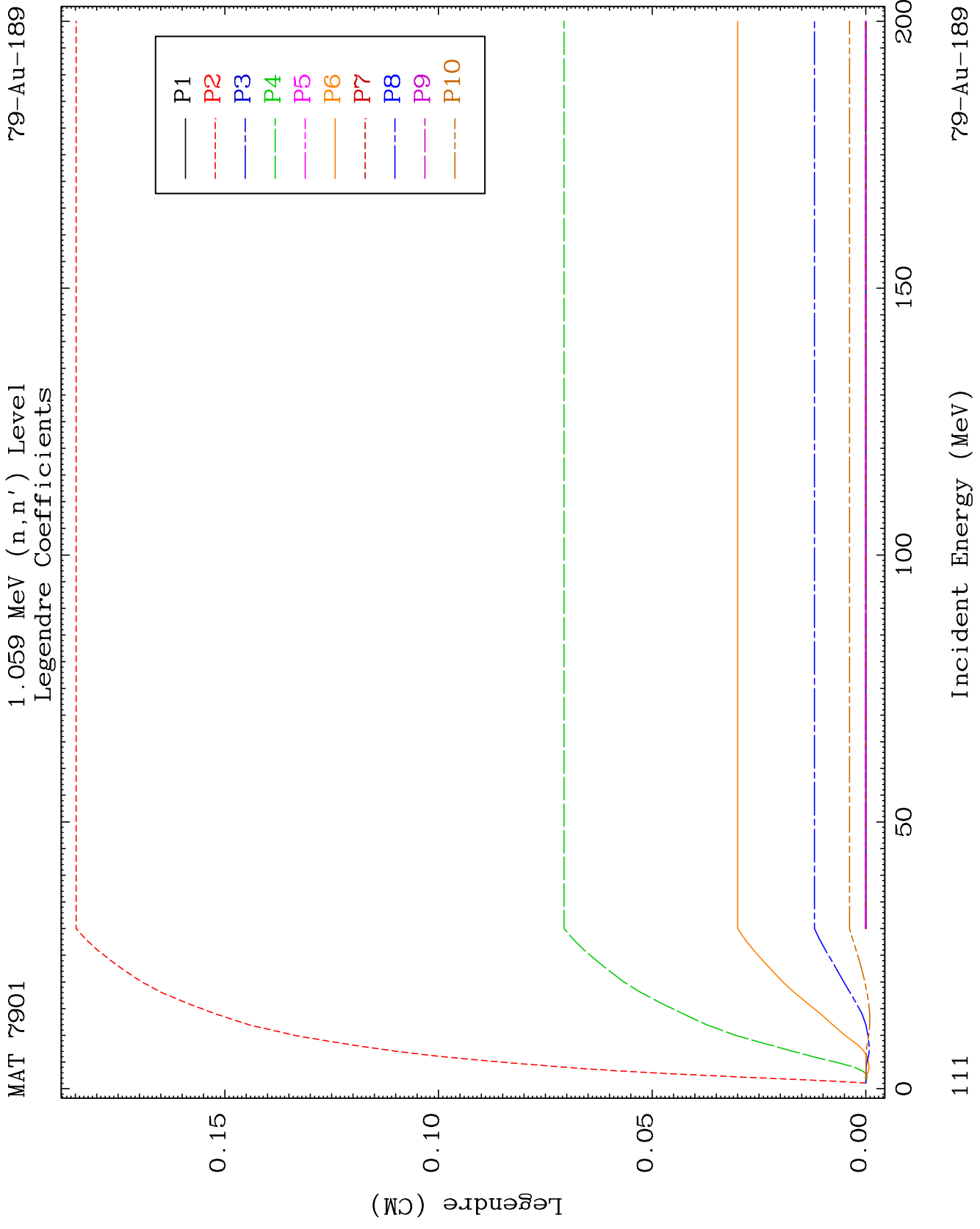








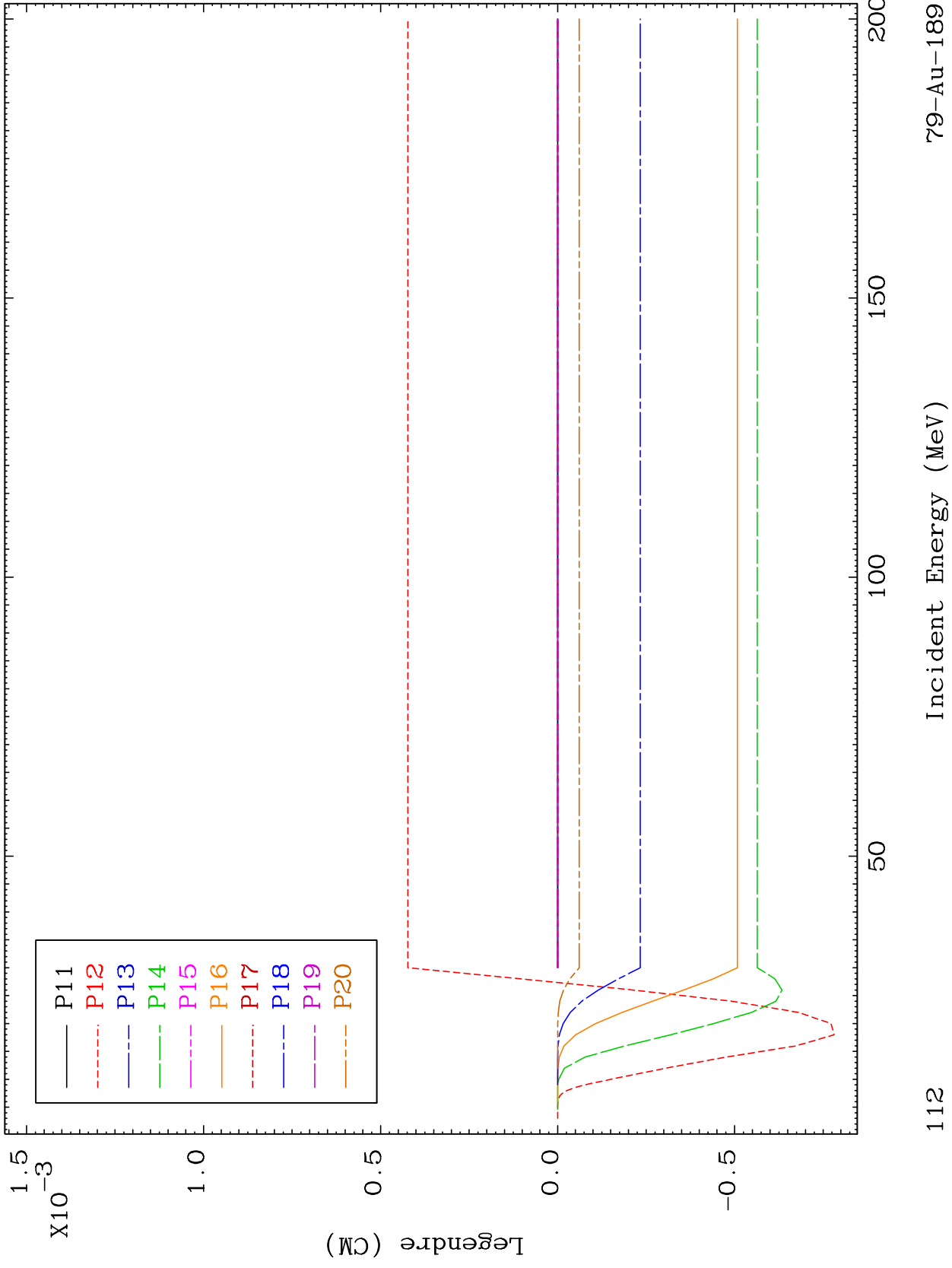




MAT 7901

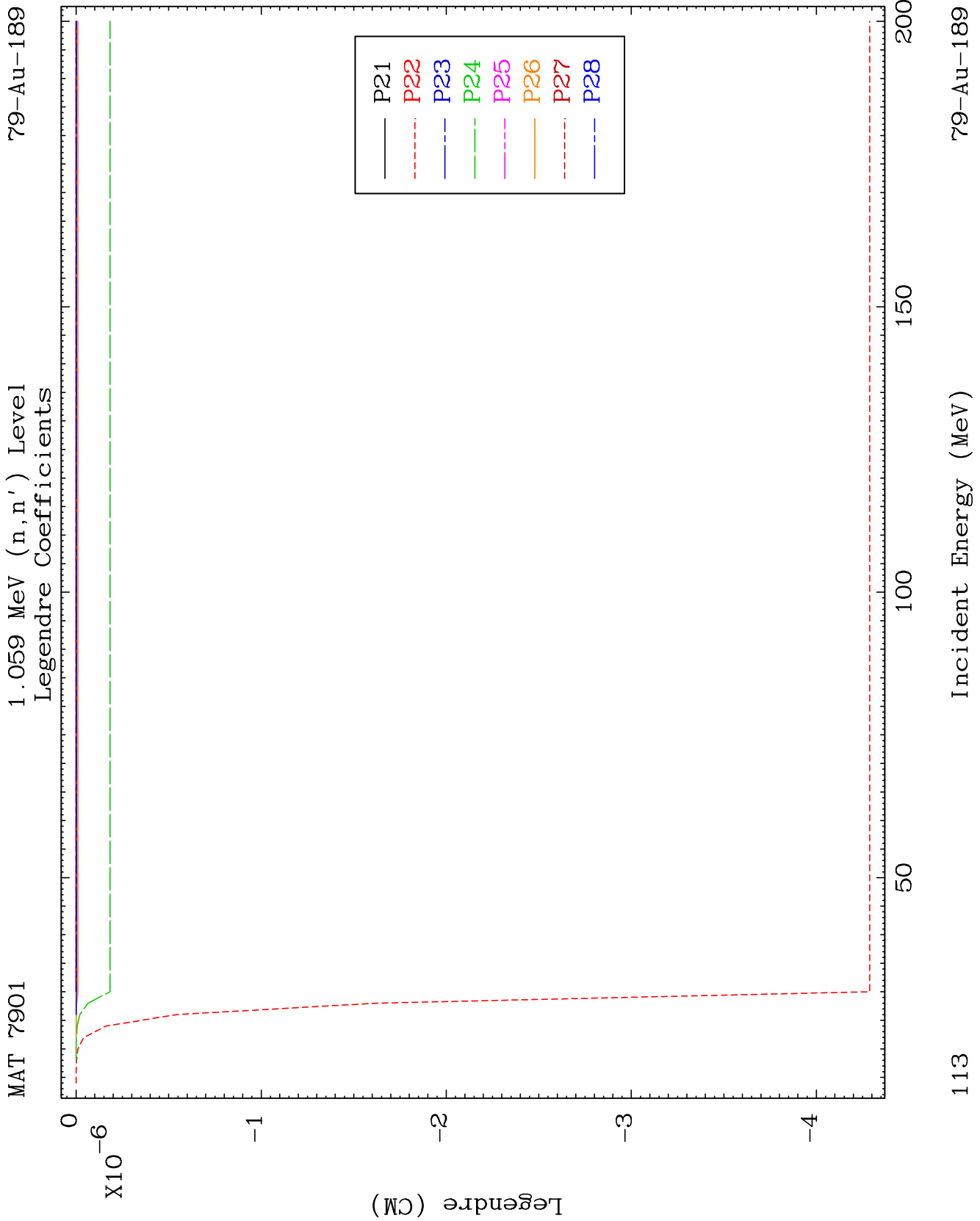
1.059 MeV (n,n') Level
Legendre Coefficients

79-Au-189



112

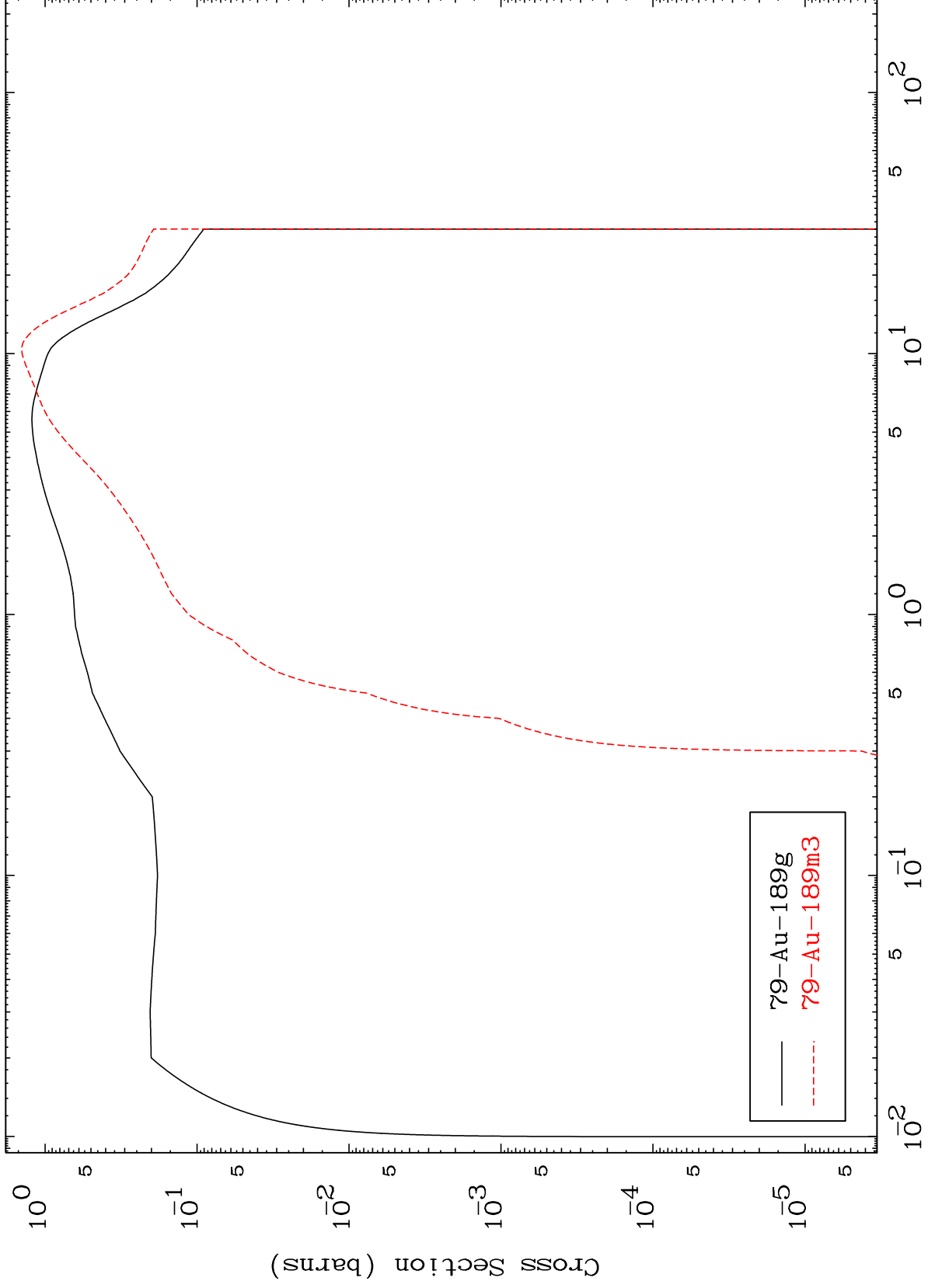
79-Au-189



MAT 7901

79-Au-189

Inelastic
Radionuclide Production Cross Section



79-Au-189

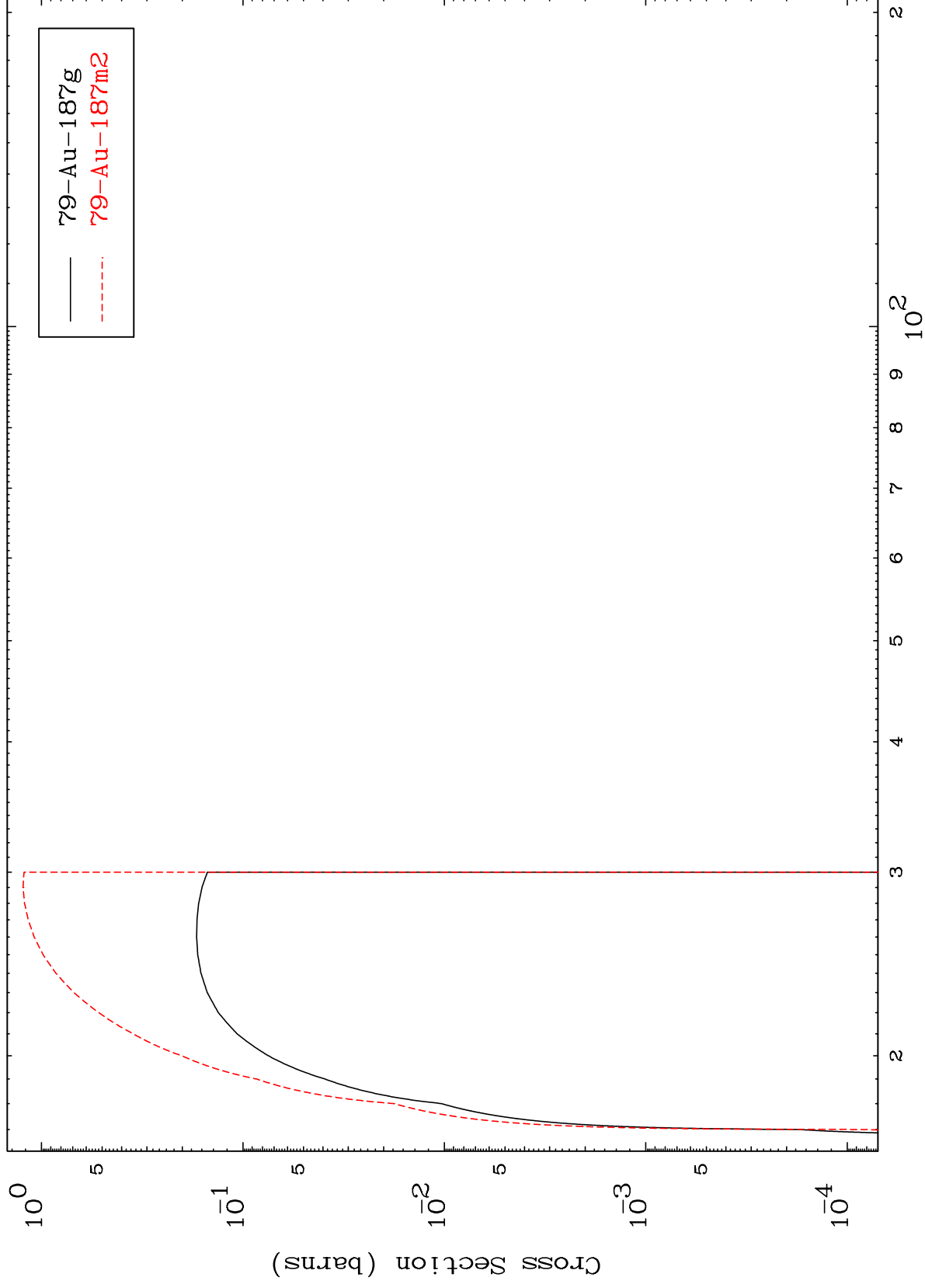
Incident Energy (MeV)

114

MAT 7901

79-Au-189

(n,3n)
Radionuclide Production Cross Section



115

Incident Energy (MeV)

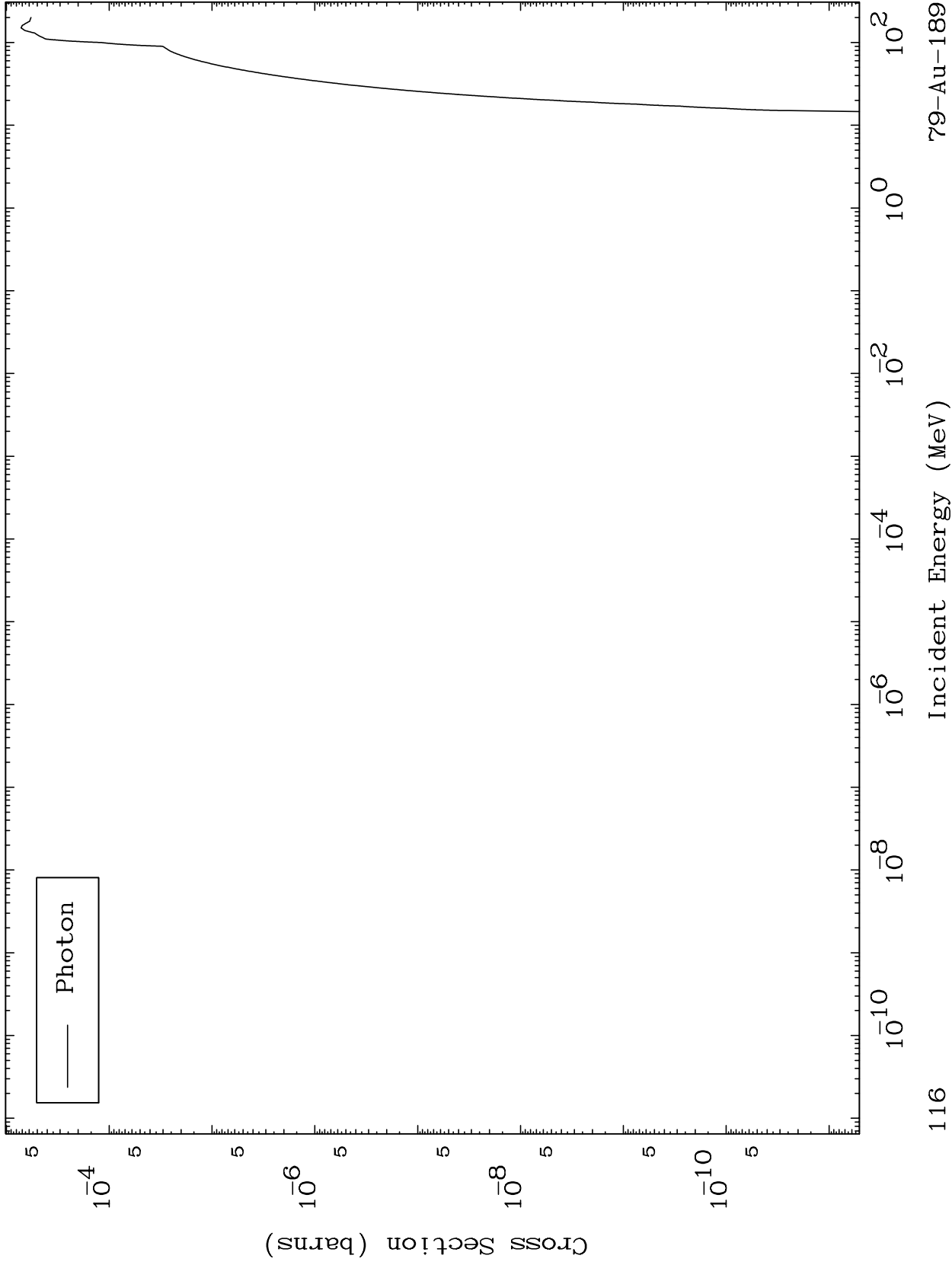
79-Au-189

MAT 7901

Fission

79-Au-189

Radionuclide Production Cross Section



116

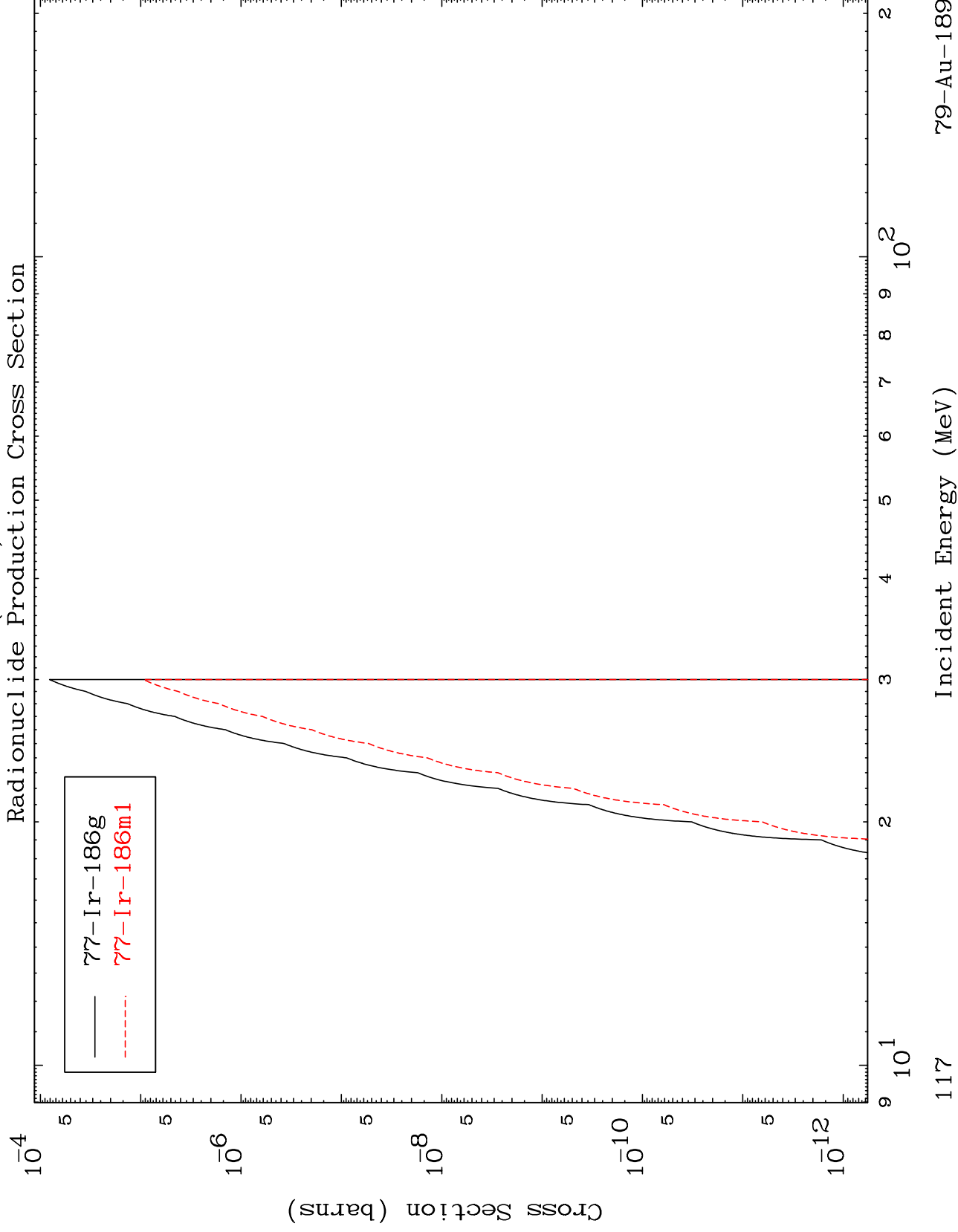
79-Au-189

MAT 7901

(n,n') He-3

79-Au-189

Radionuclide Production Cross Section



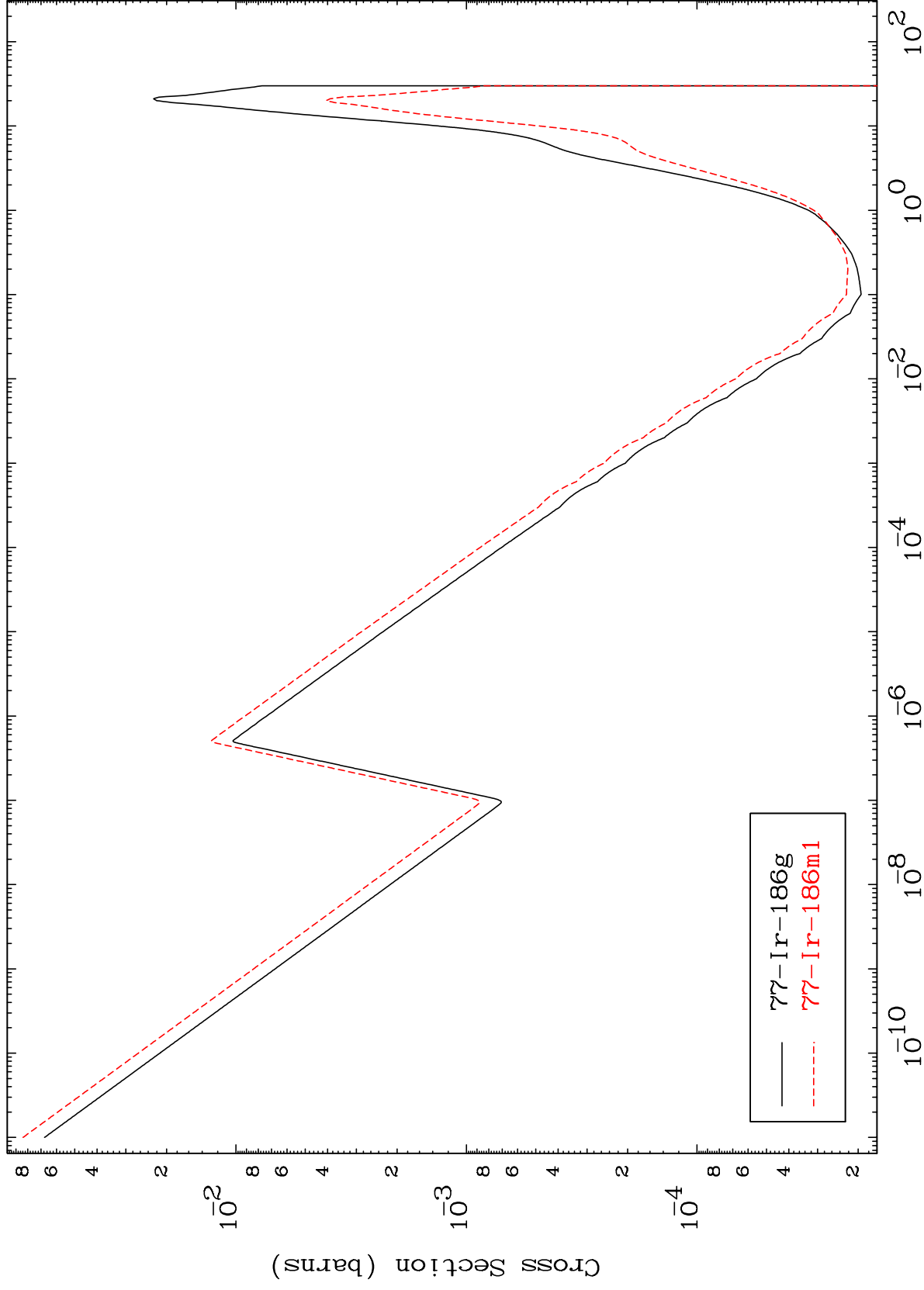
117

MAT 7901

79-Au-189

Radionuclide Production Cross Section

(n, α)



79-Au-189

Incident Energy (MeV)

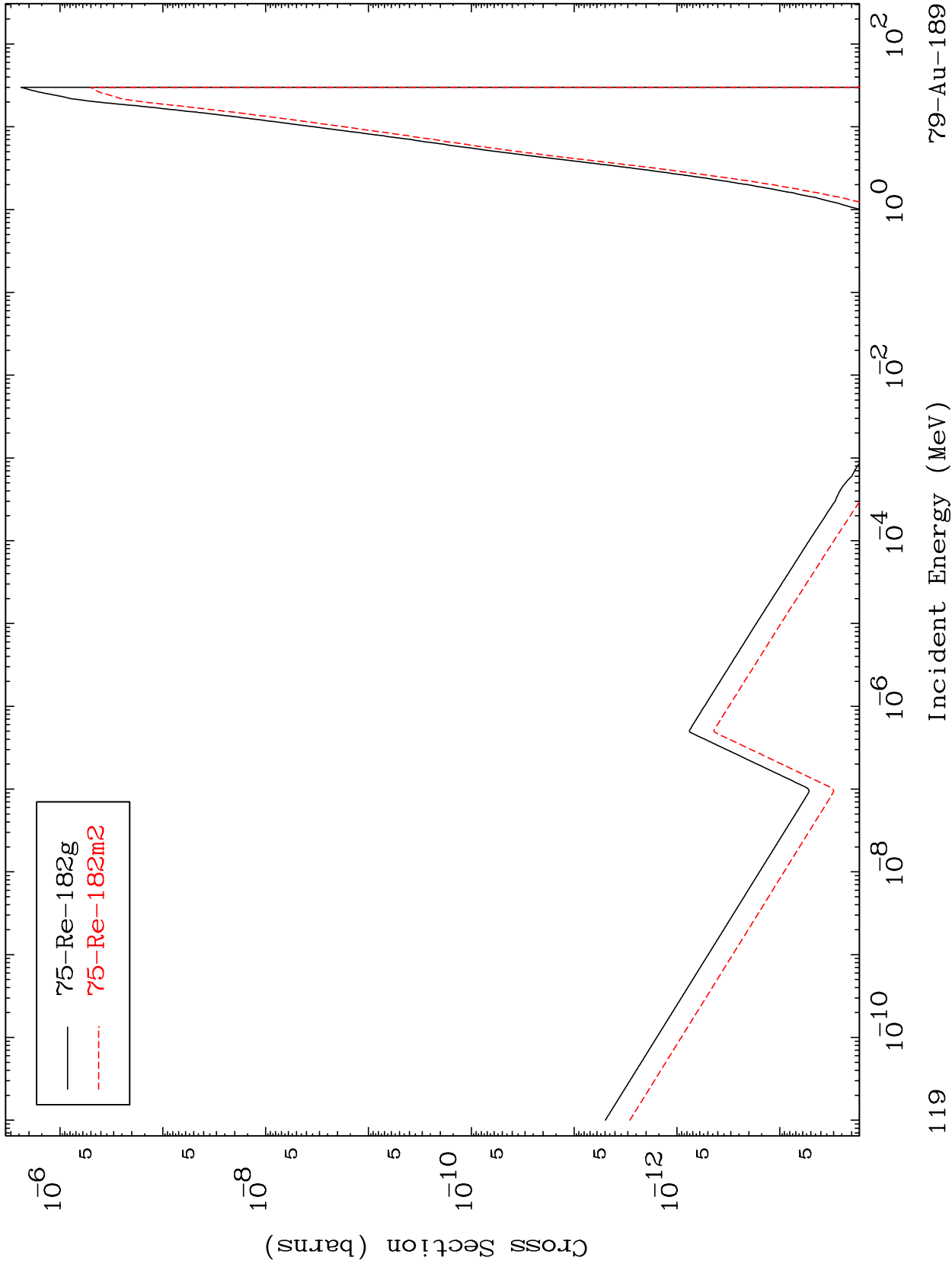
118

MAT 7901

(n,2α)

79-Au-189

Radionuclide Production Cross Section

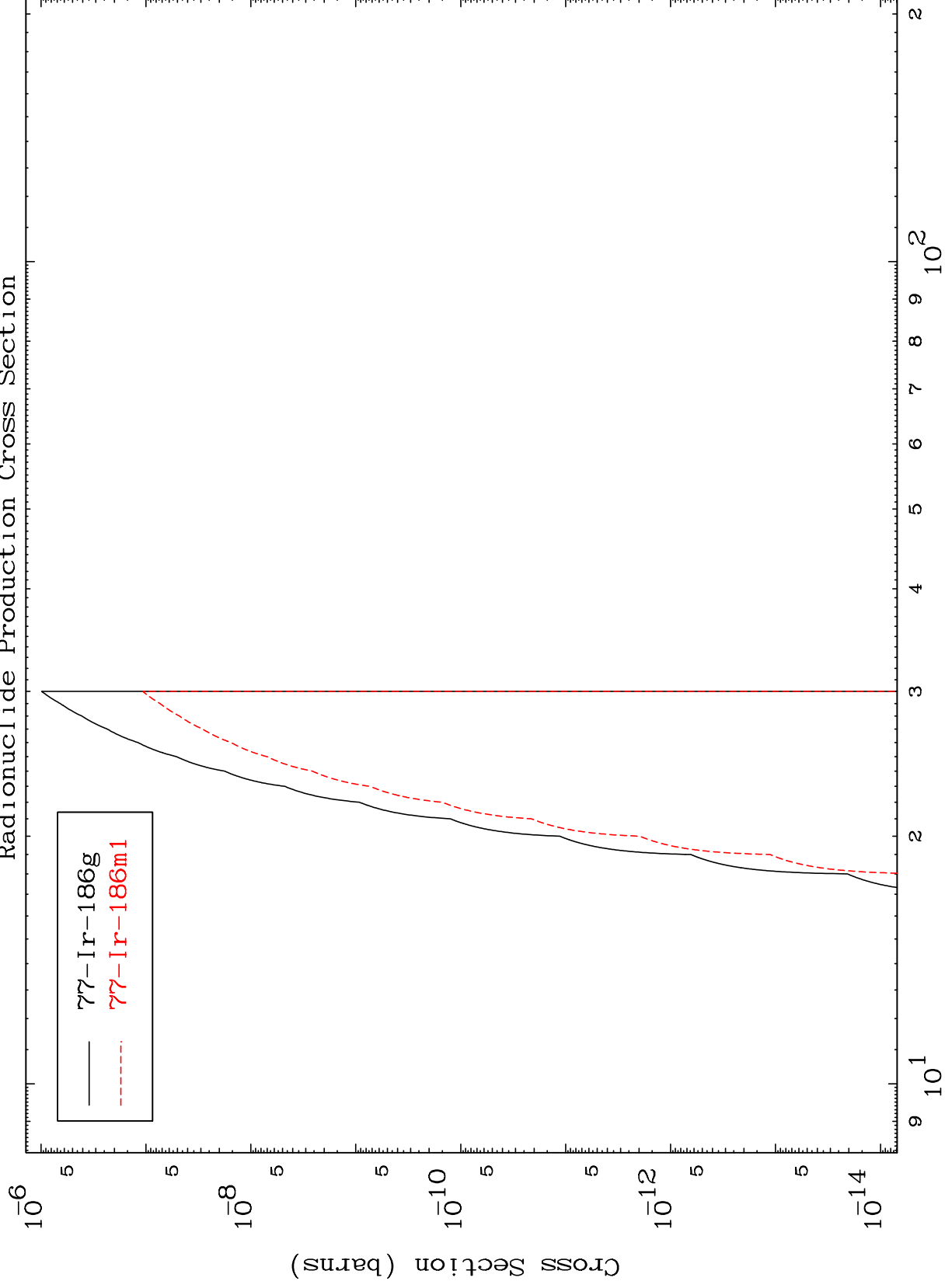


MAT 7901

(n,p) t

79-Au-189

Radionuclide Production Cross Section



Incident Energy (MeV)

79-Au-189

120