

Program EVALPLOT  
(Version 2015-2)

by

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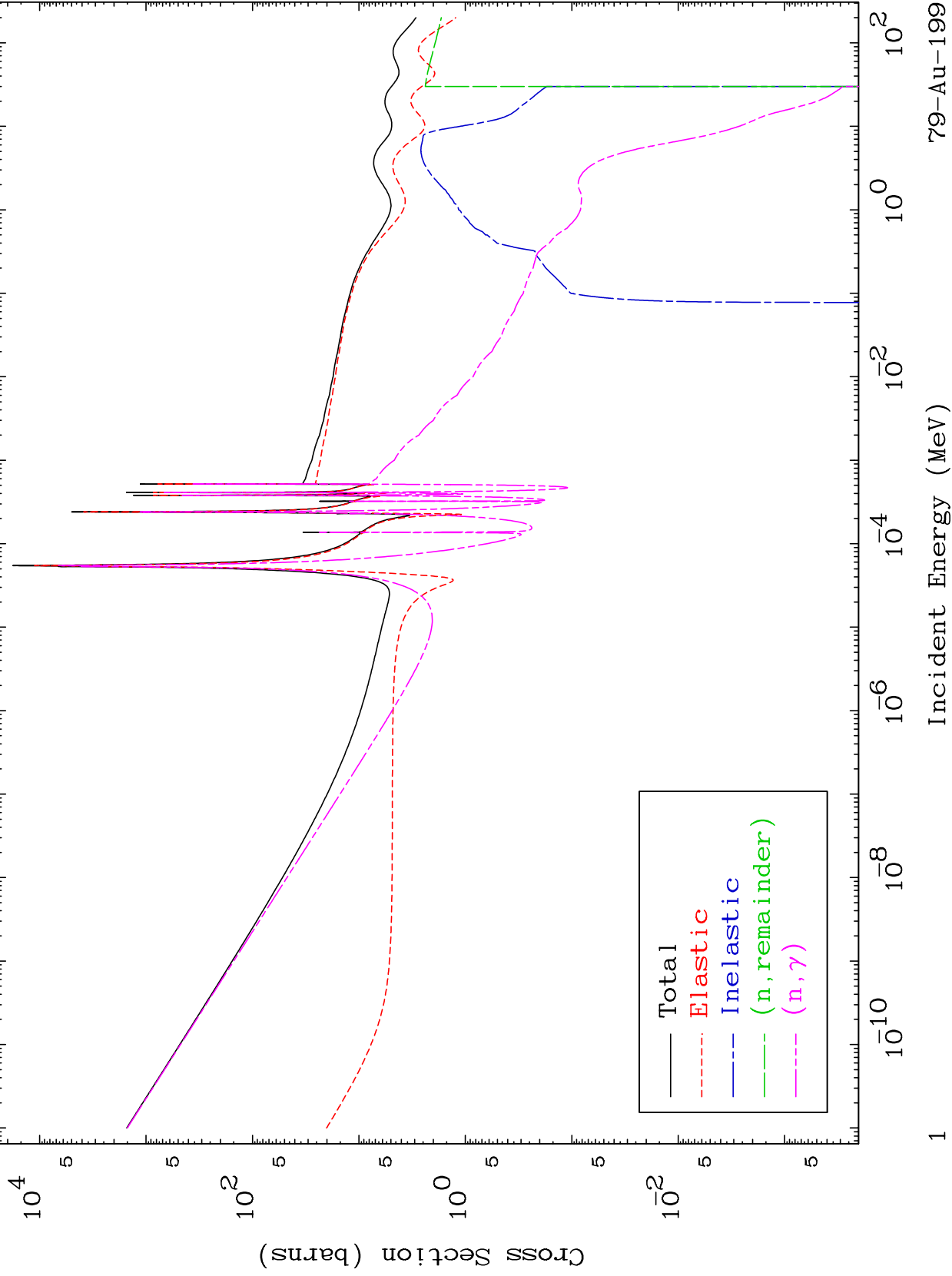
Press Mouse Button to Start

MAT 7931

Major

293 Kelvin Cross Sections

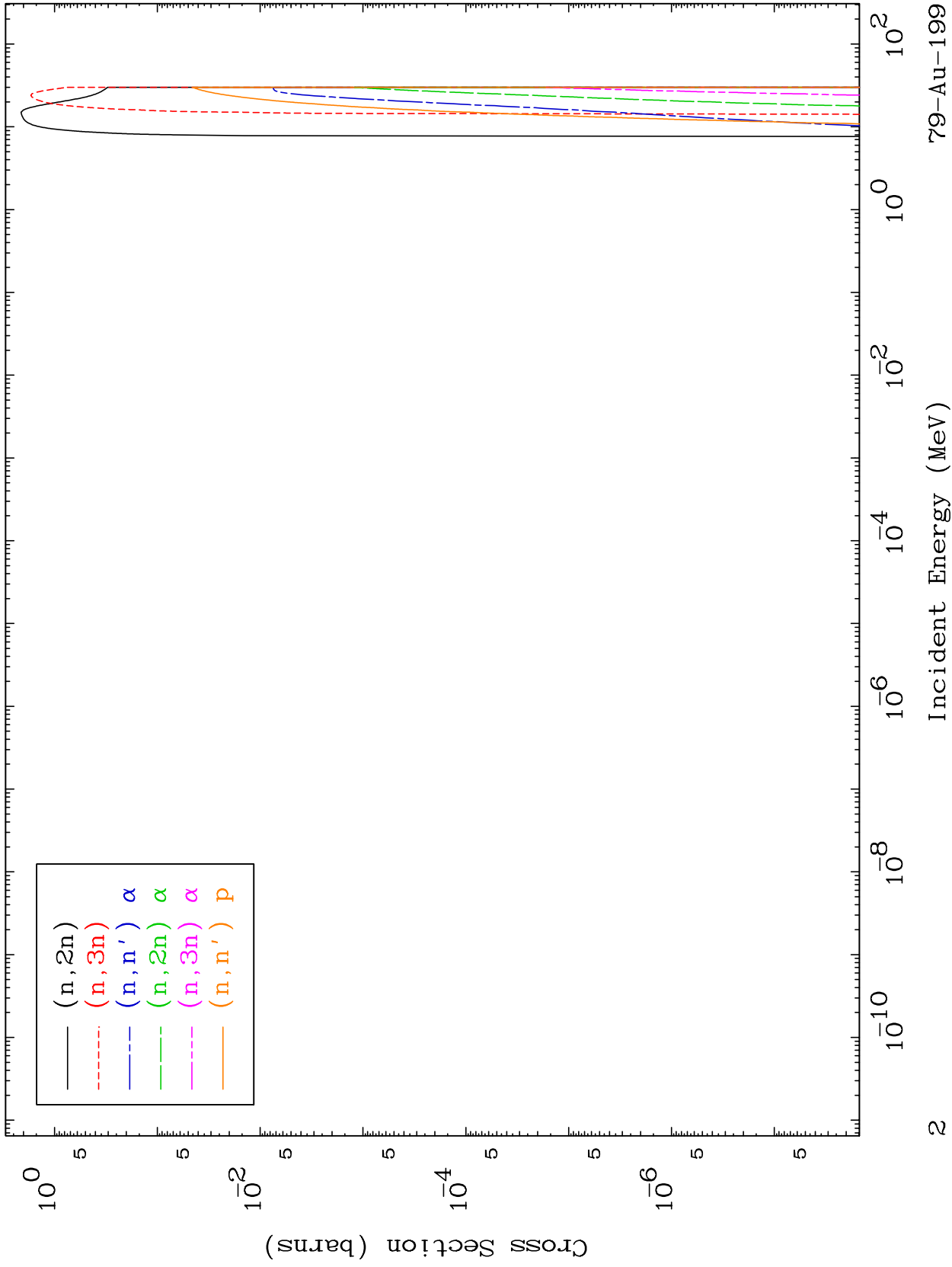
79-Au-199

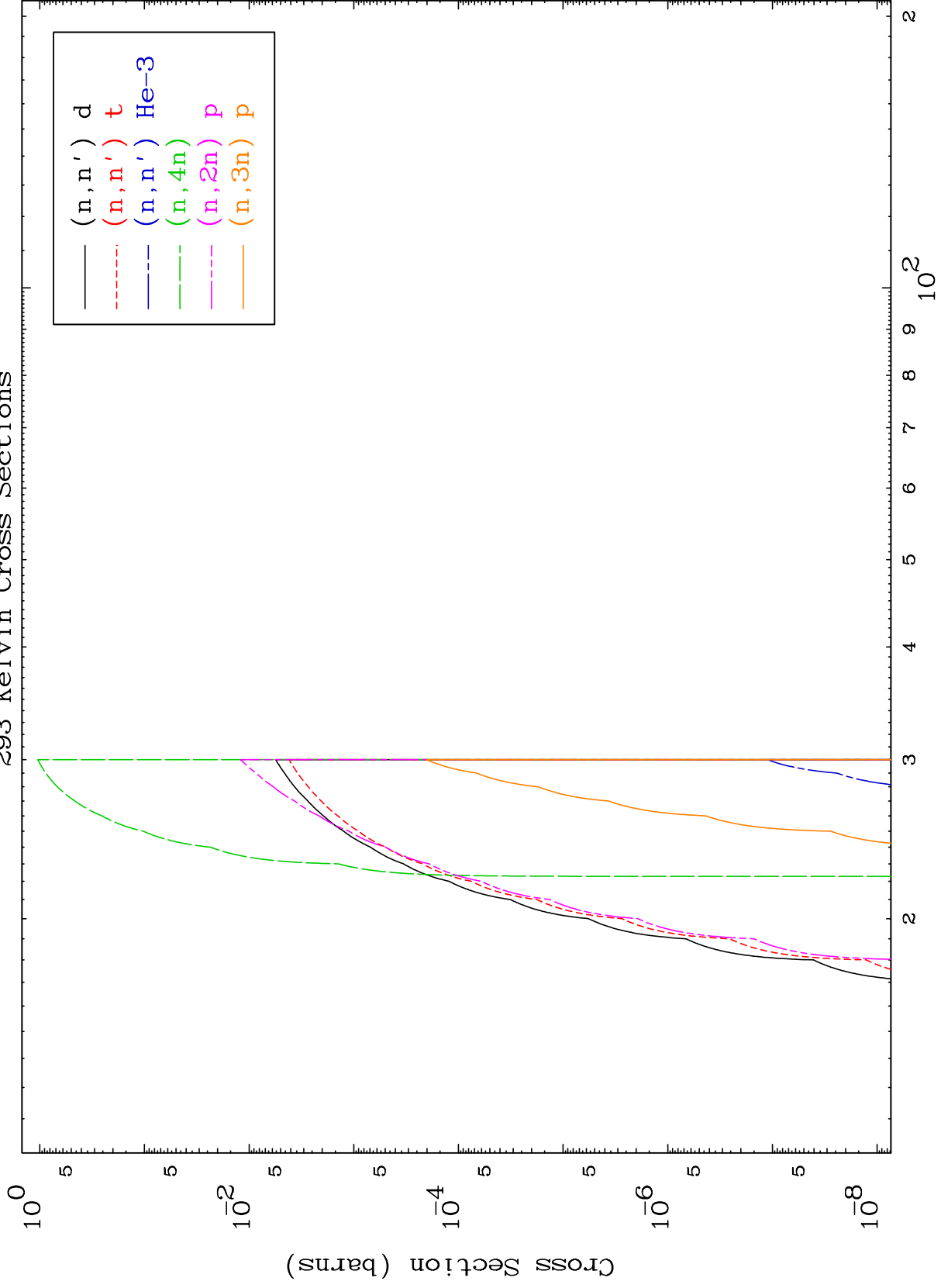


MAT 7931

Neutron Production  
293 Kelvin Cross Sections

79-Au-199

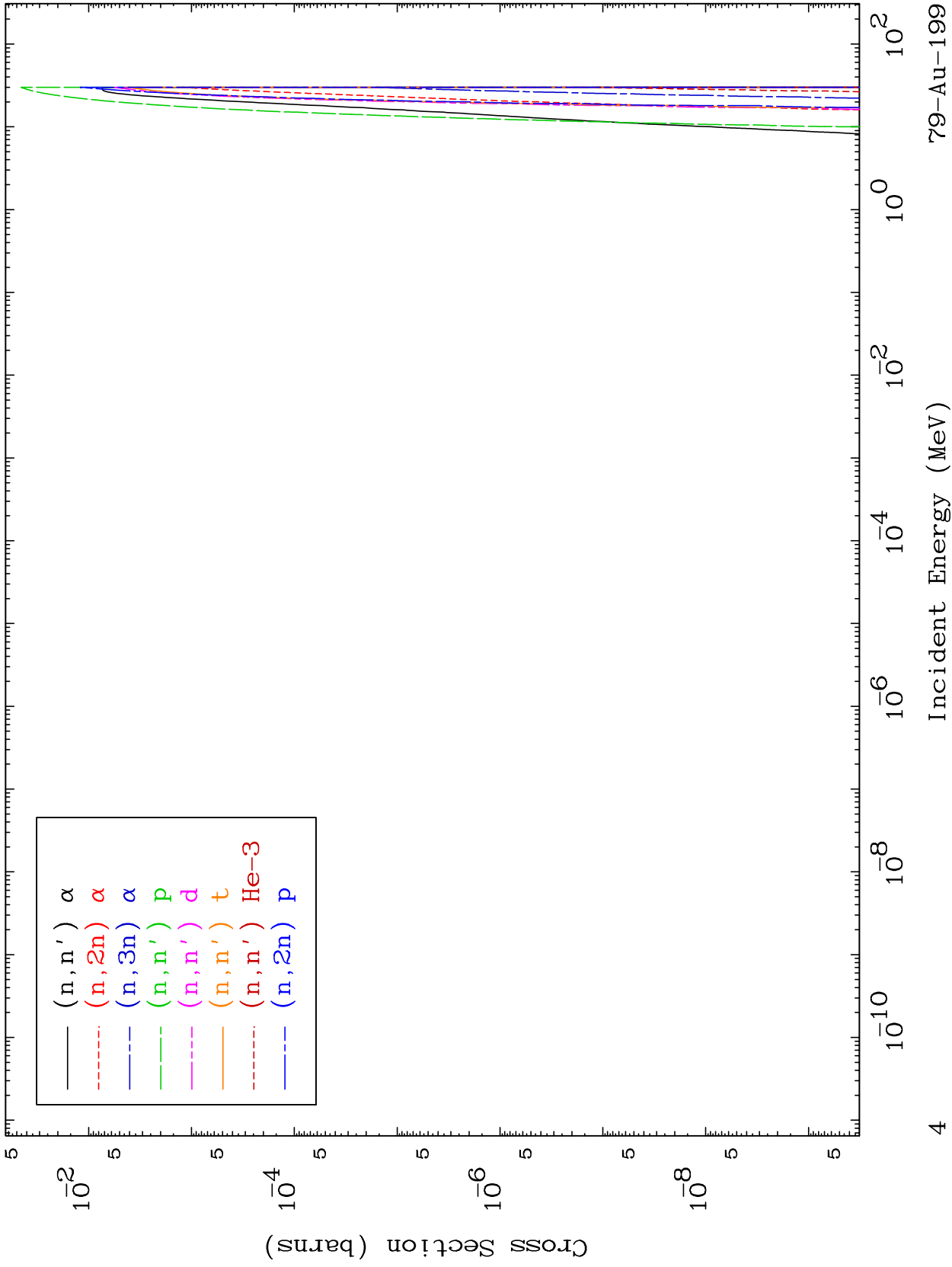




MAT 7931

Charged Particle  
293 Kelvin Cross Sections

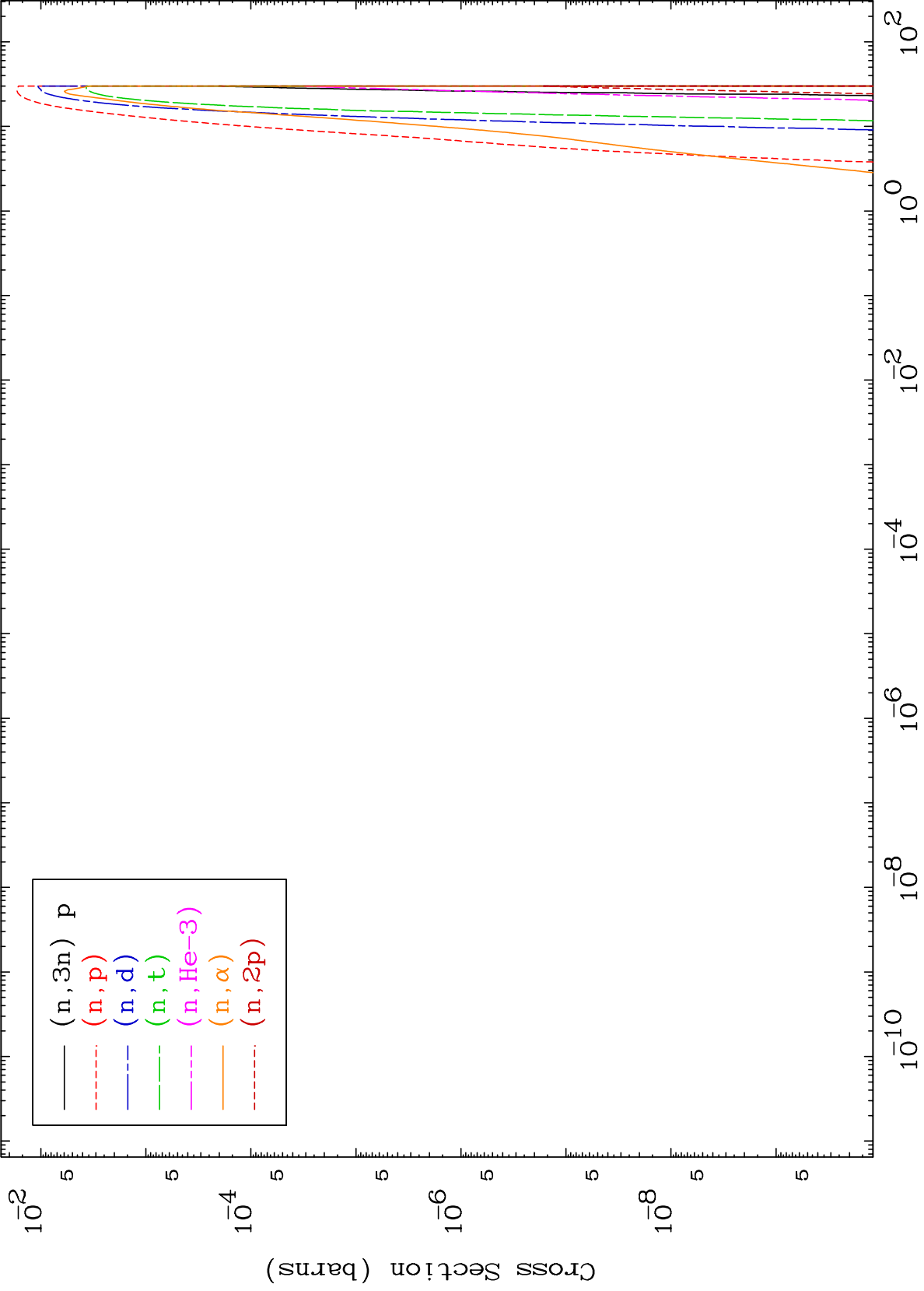
79-Au-199



MAT 7931

Charged Particle  
293 Kelvin Cross Sections

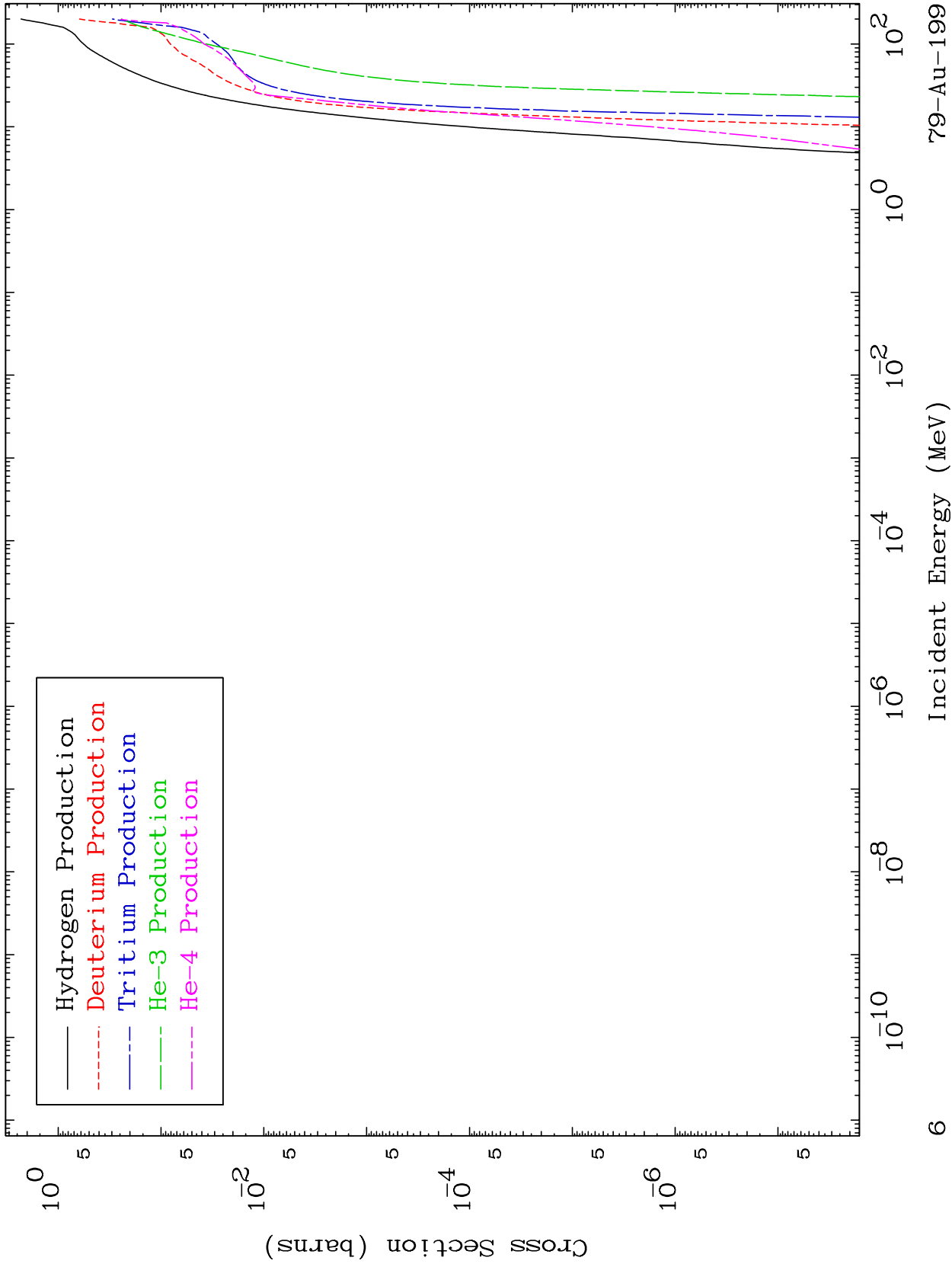
79-Au-199

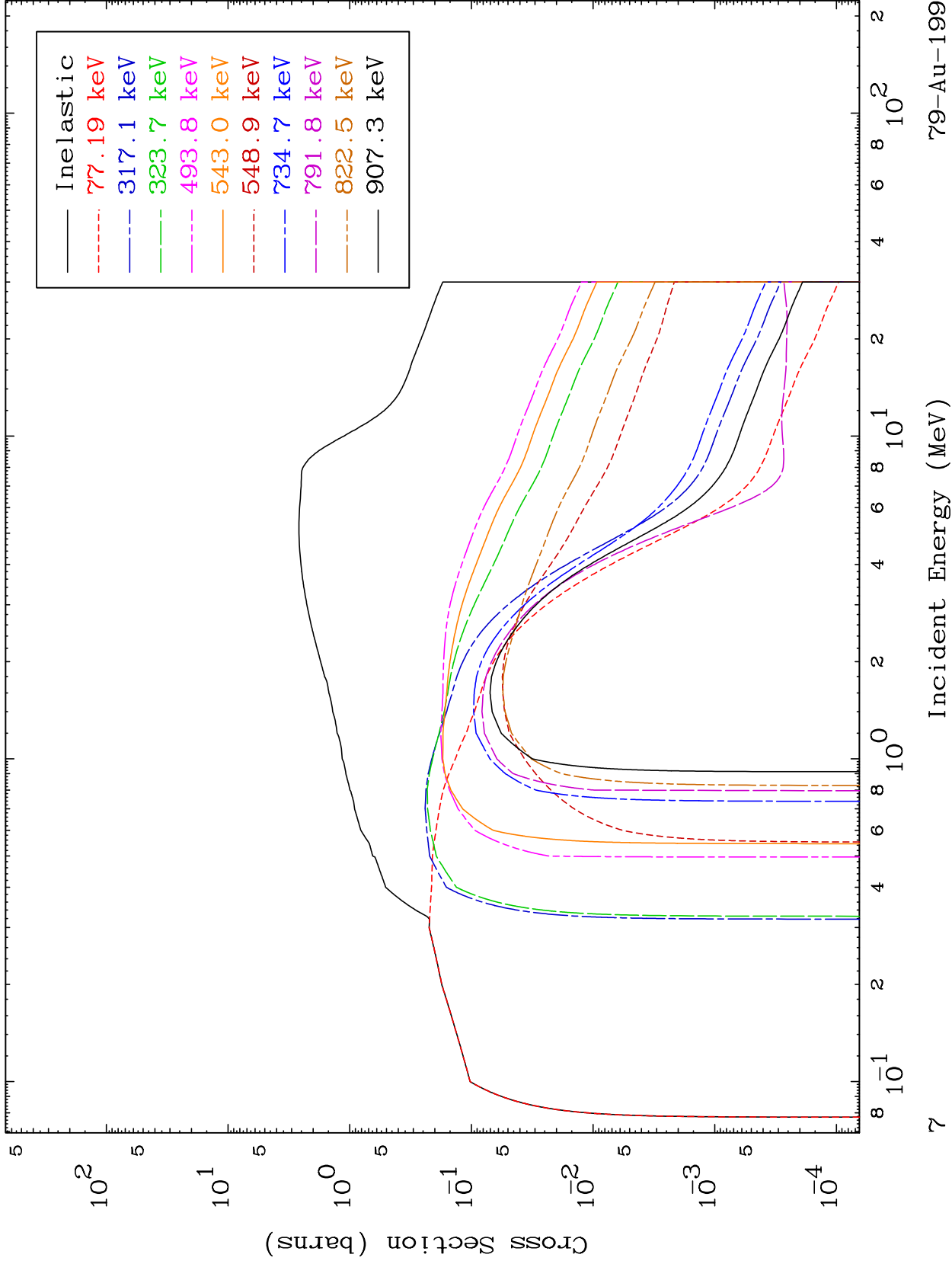


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Incident Energy (MeV)

79-Au-199





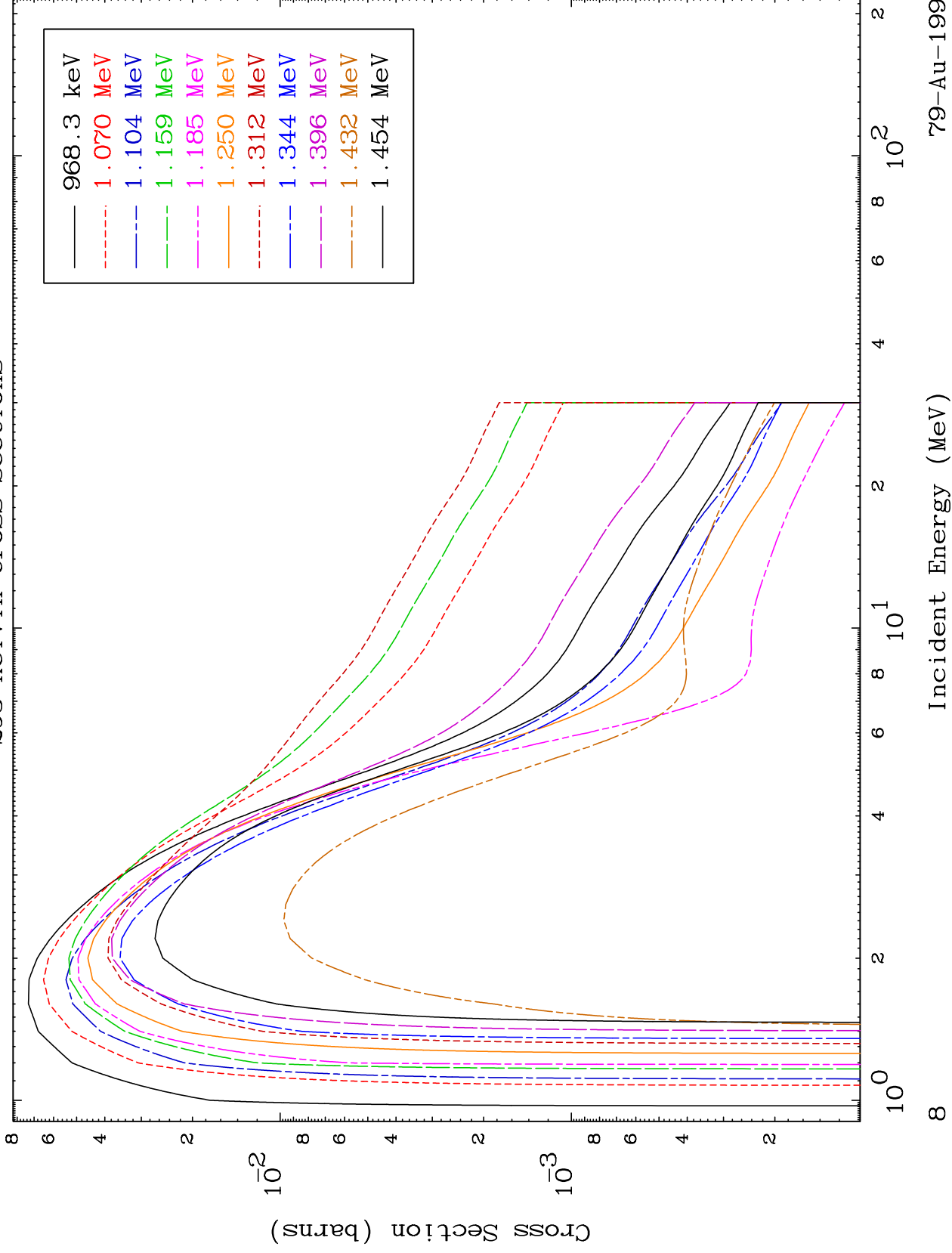


MAT 7931

(n,n') Level

79-Au-199

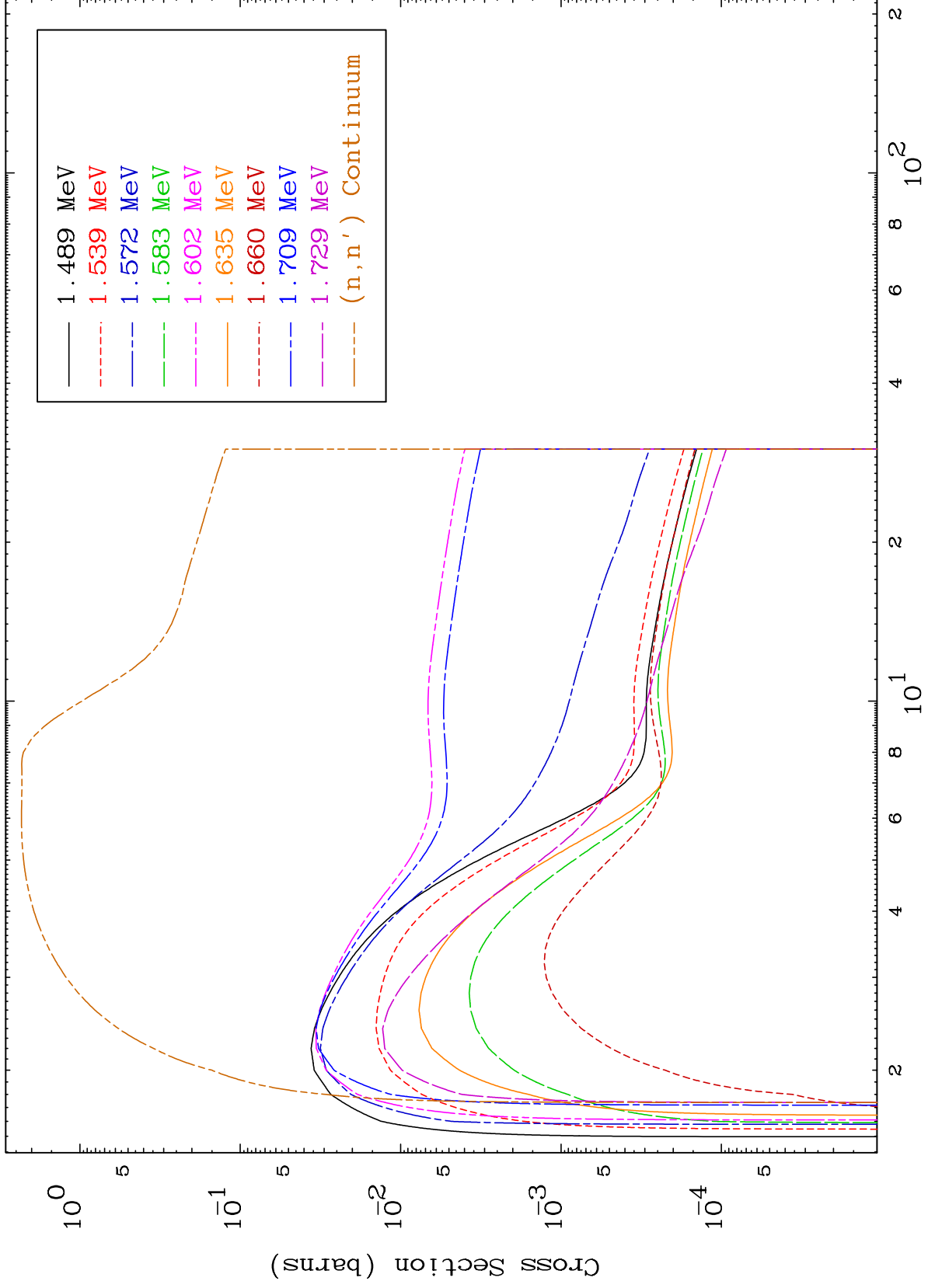
293 Kelvin Cross Sections



79-Au-199

Incident Energy (MeV)

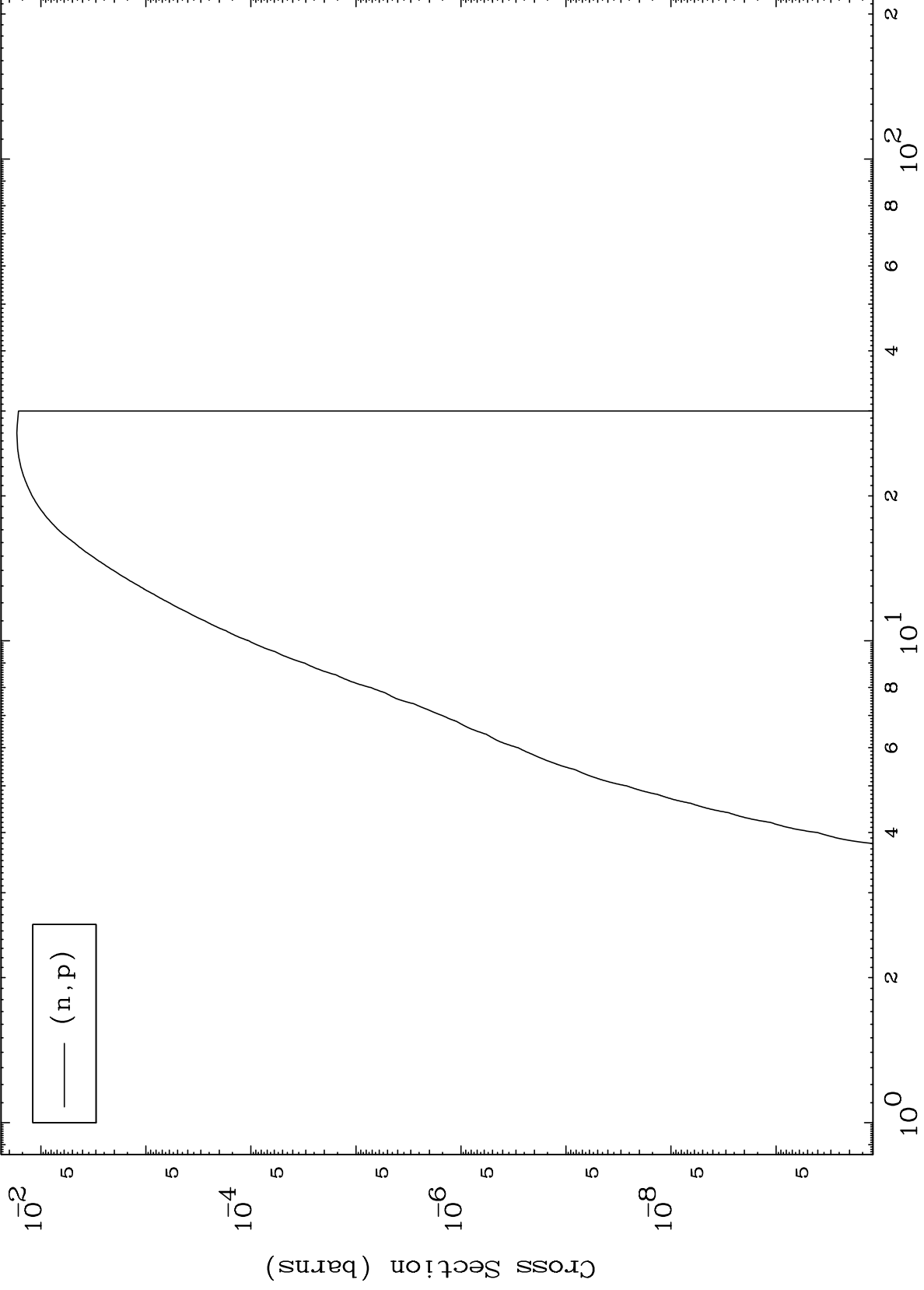
293 Kelvin Cross Sections



MAT 7931

(n,p) Levels  
293 Kelvin Cross Sections

79-Au-199



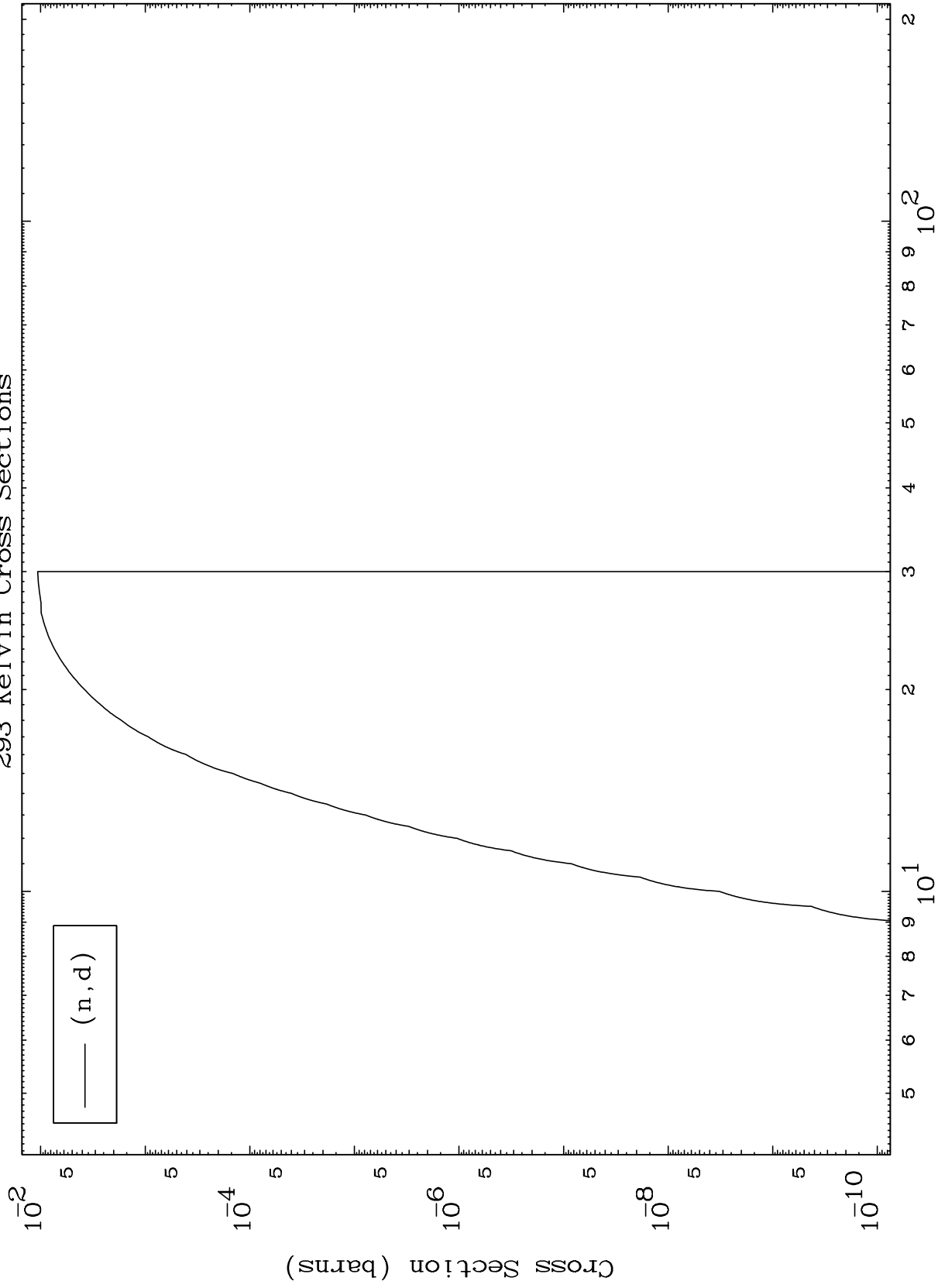
Incident Energy (MeV)

79-Au-199

MAT 7931

(n,d) Levels  
293 Kelvin Cross Sections

79-Au-199



11

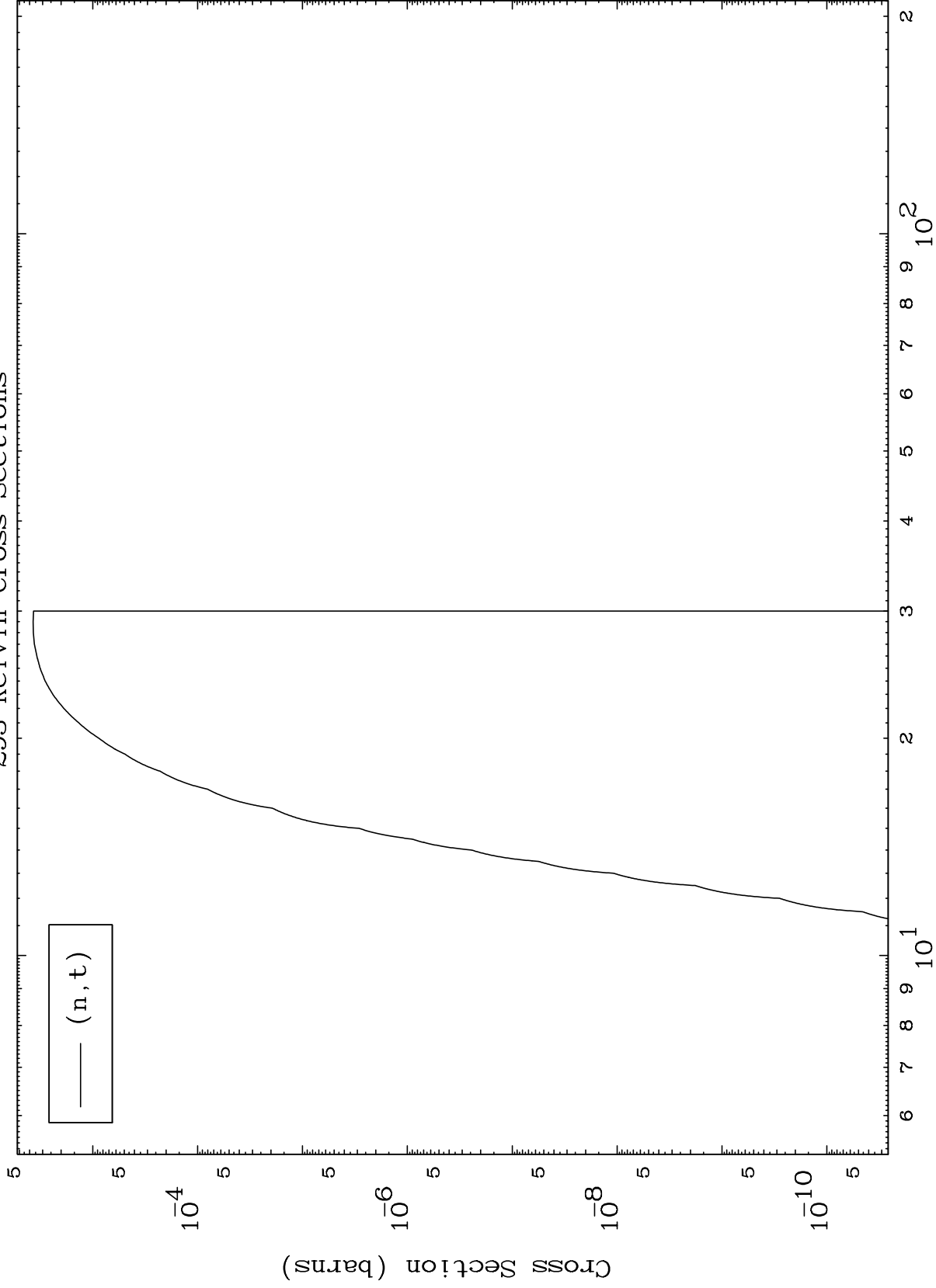
Incident Energy (MeV)

79-Au-199

MAT 7931

(n,t) Levels  
293 Kelvin Cross Sections

79-Au-199



12

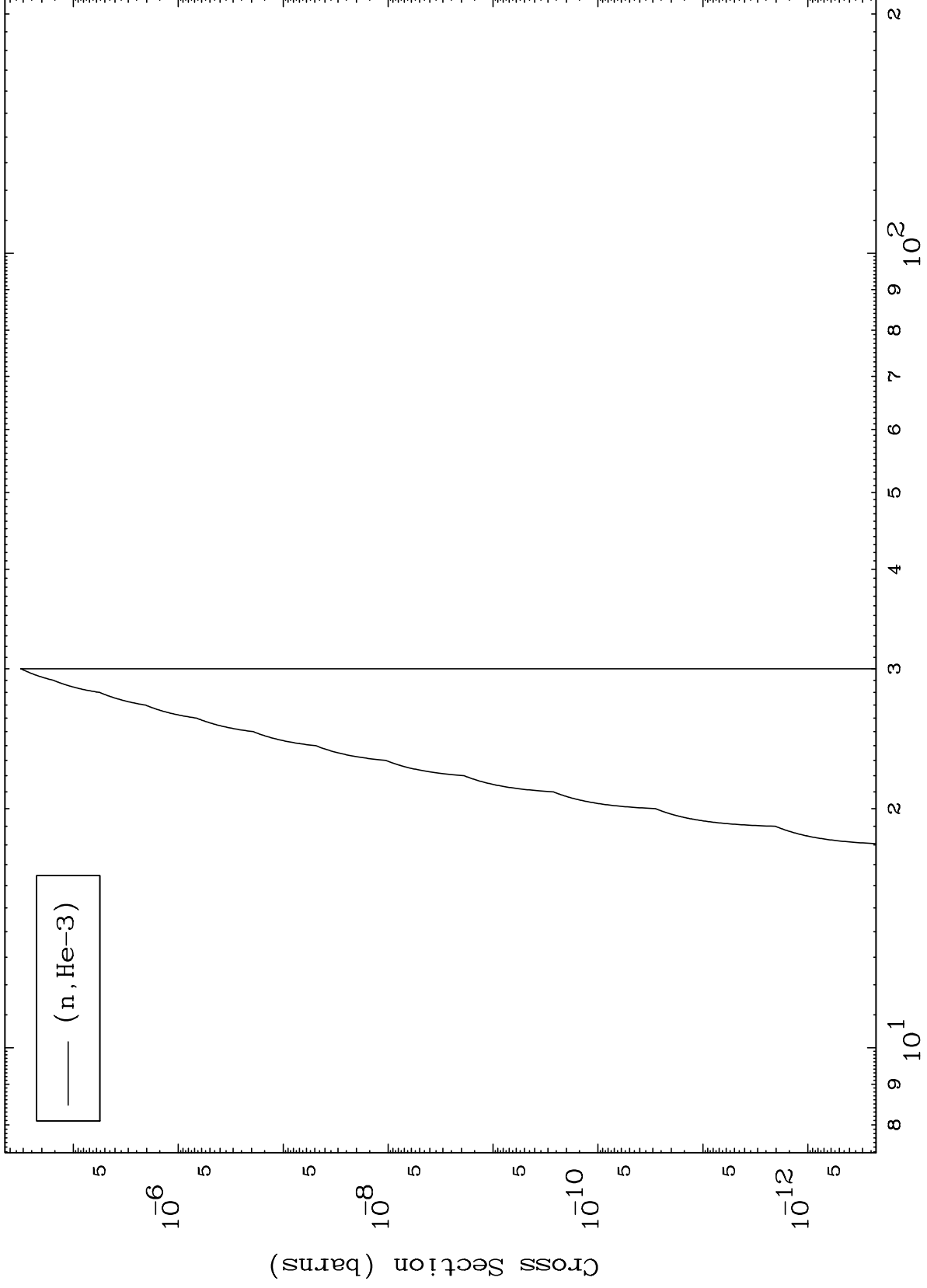
Incident Energy (MeV)

79-Au-199

MAT 7931

(n,He3) Levels  
293 Kelvin Cross Sections

79-Au-199



13

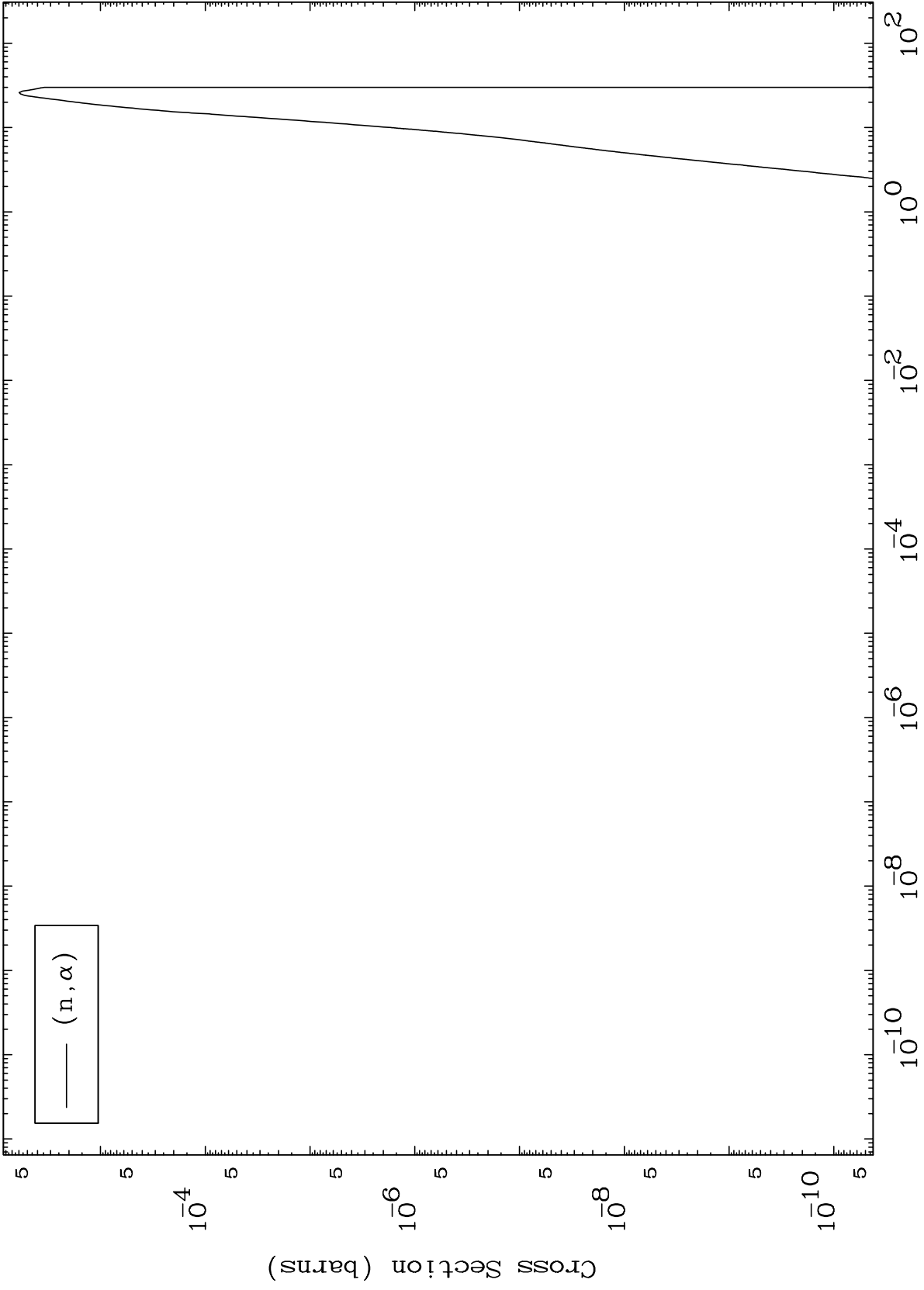
Incident Energy (MeV)

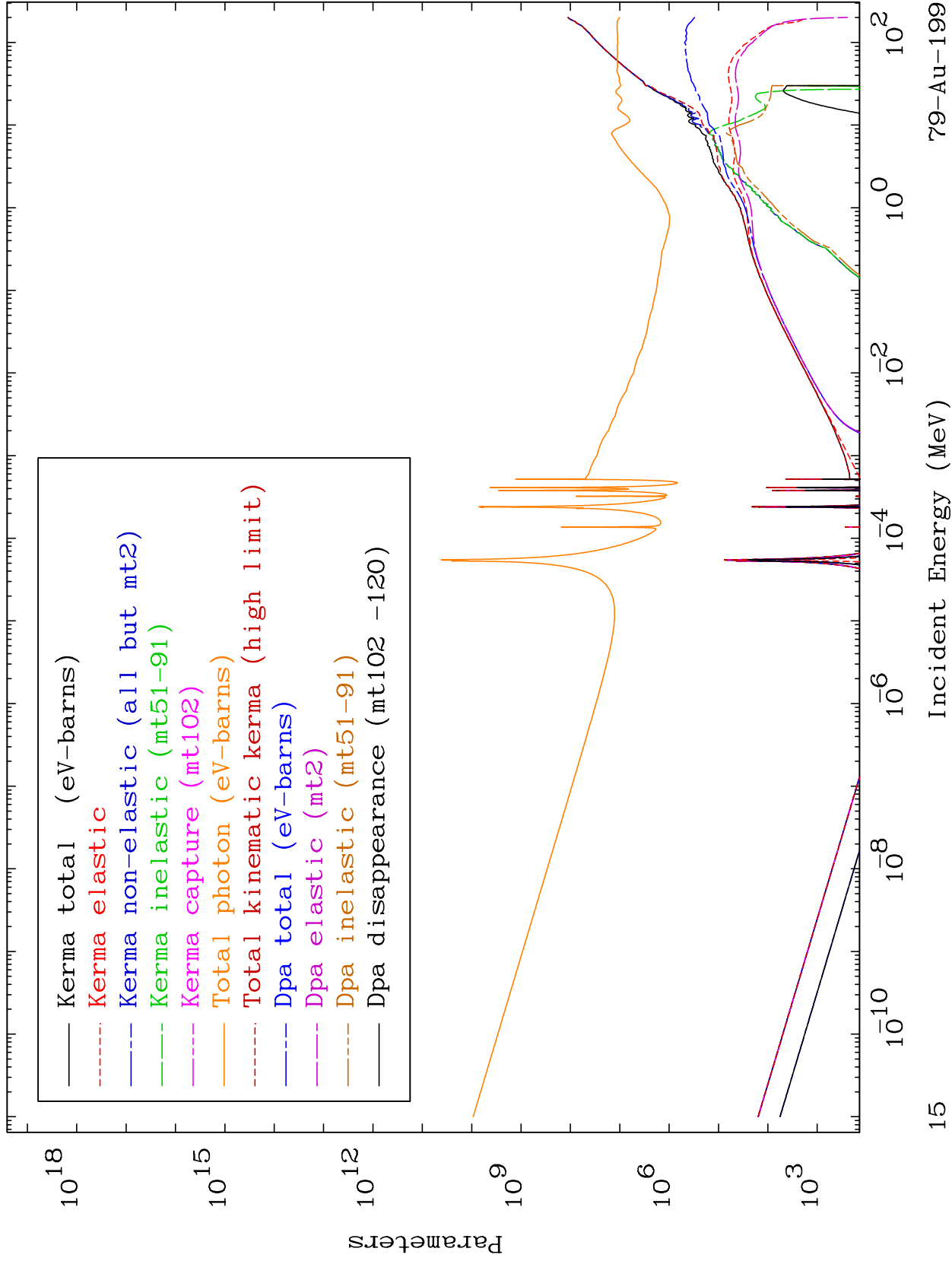
79-Au-199

MAT 7931

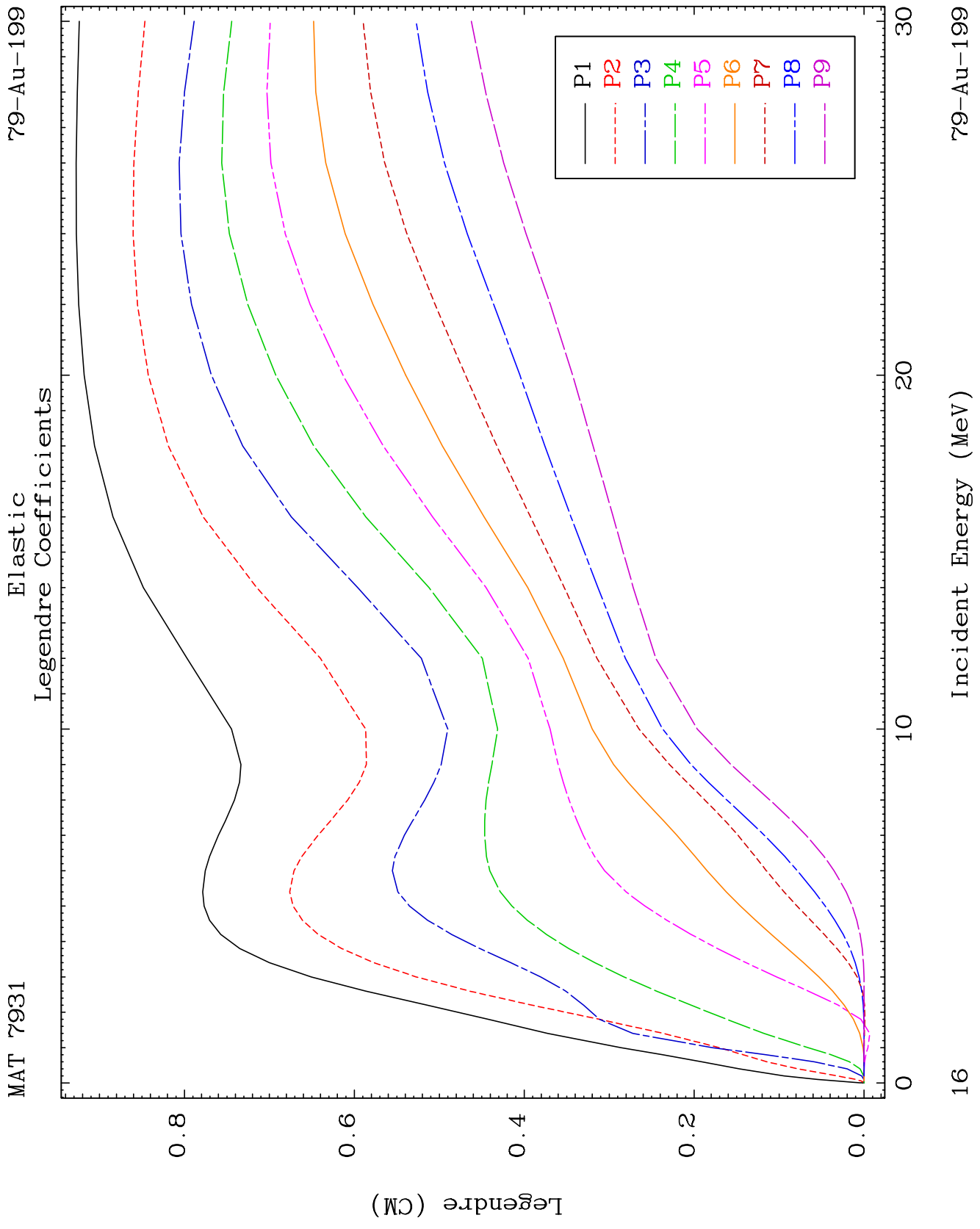
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

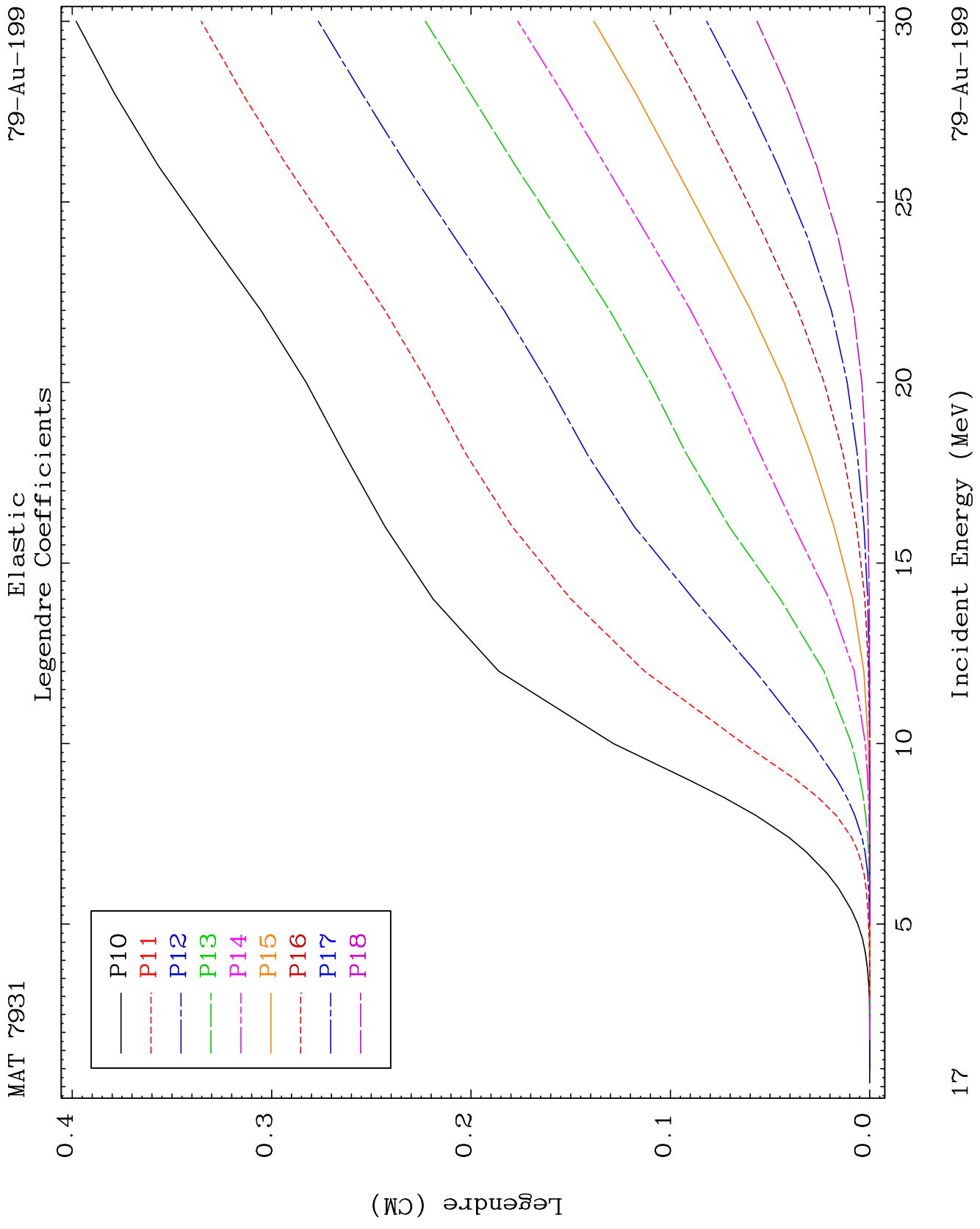
79-Au-199







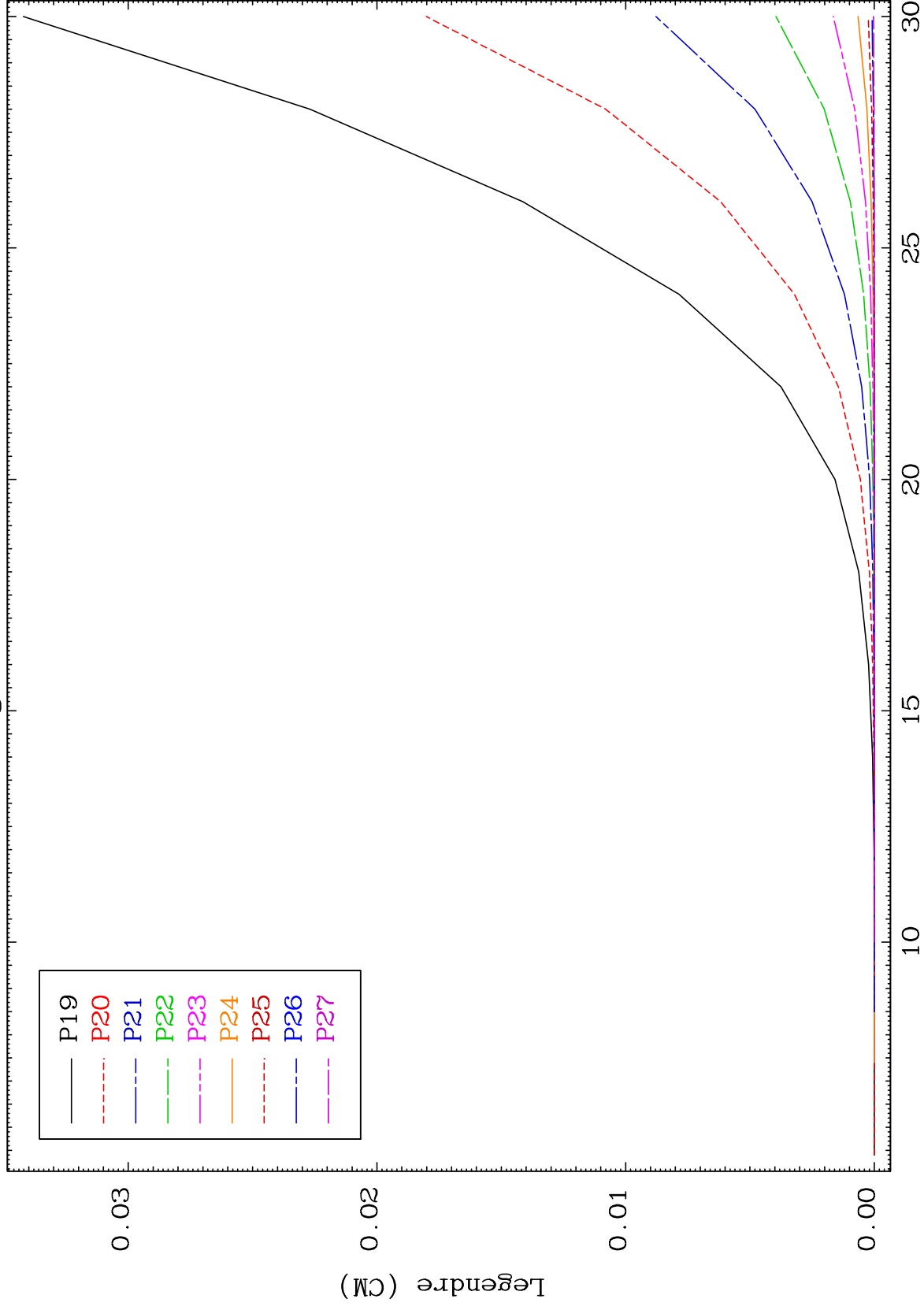




MAT 7931

Elastic Legendre Coefficients

79-Au-199



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Incident Energy (MeV)

79-Au-199

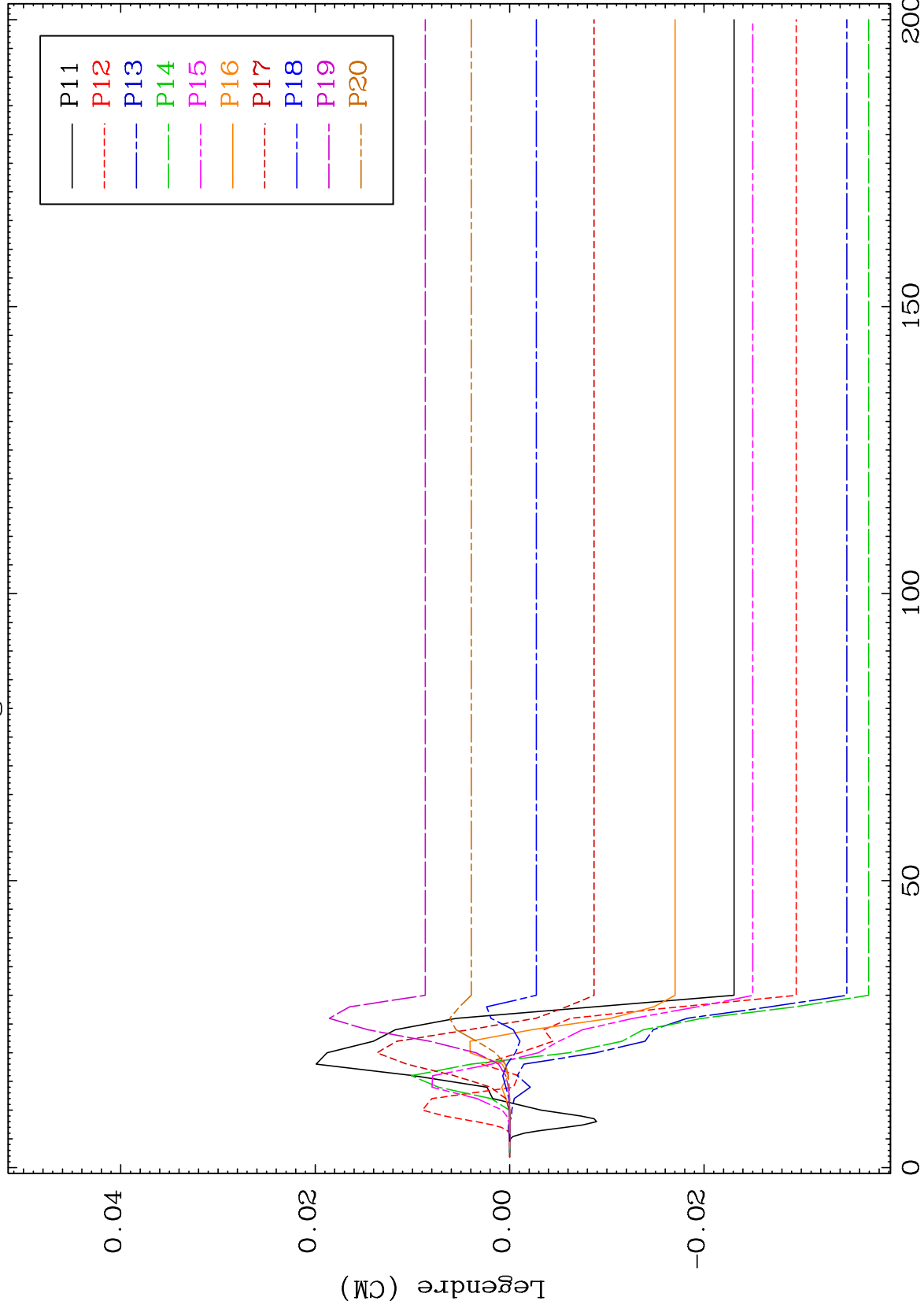




MAT 7931

77.19 keV (n,n') Level  
Legendre Coefficients

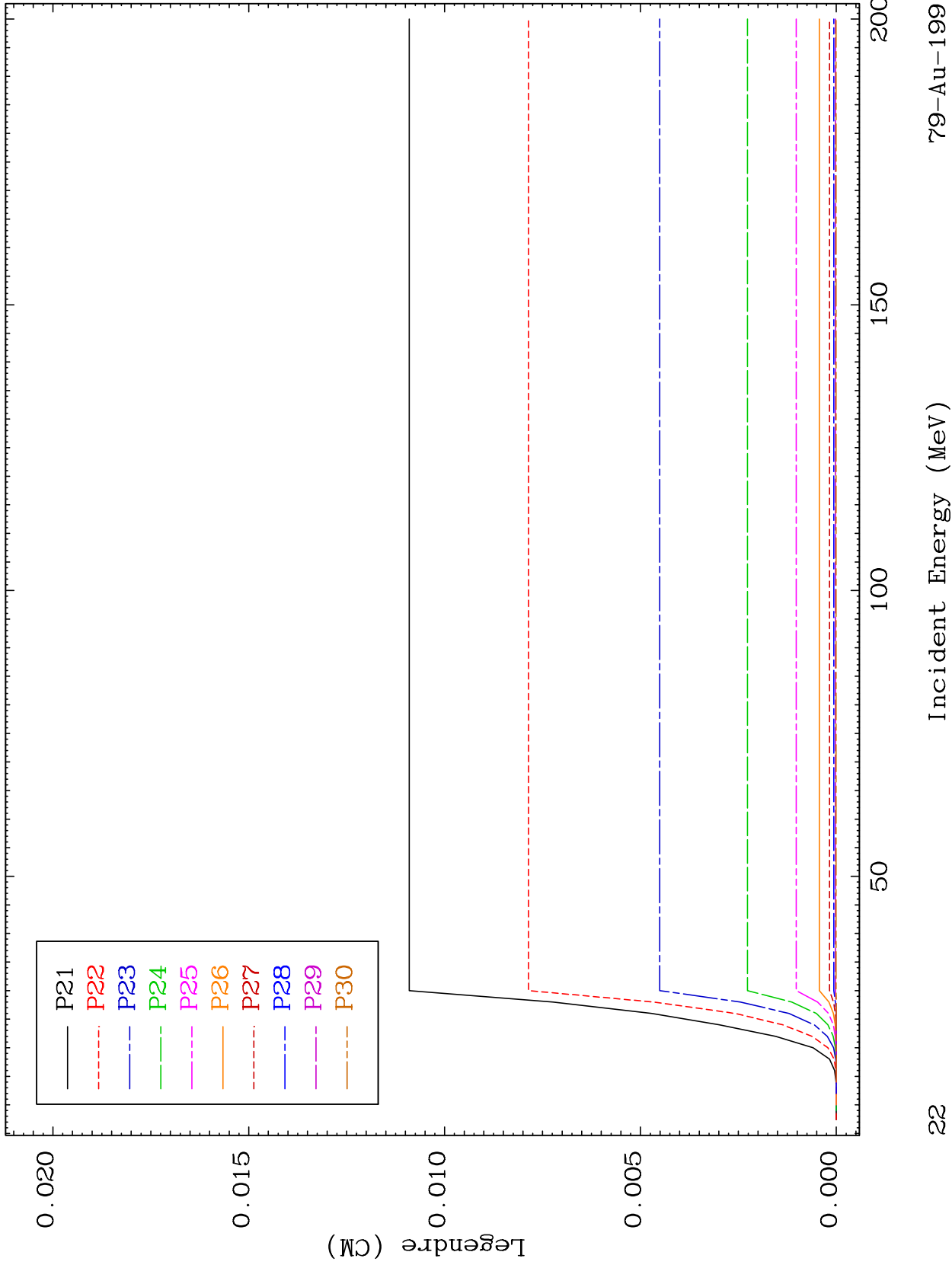
79-Au-199



21

Incident Energy (MeV)

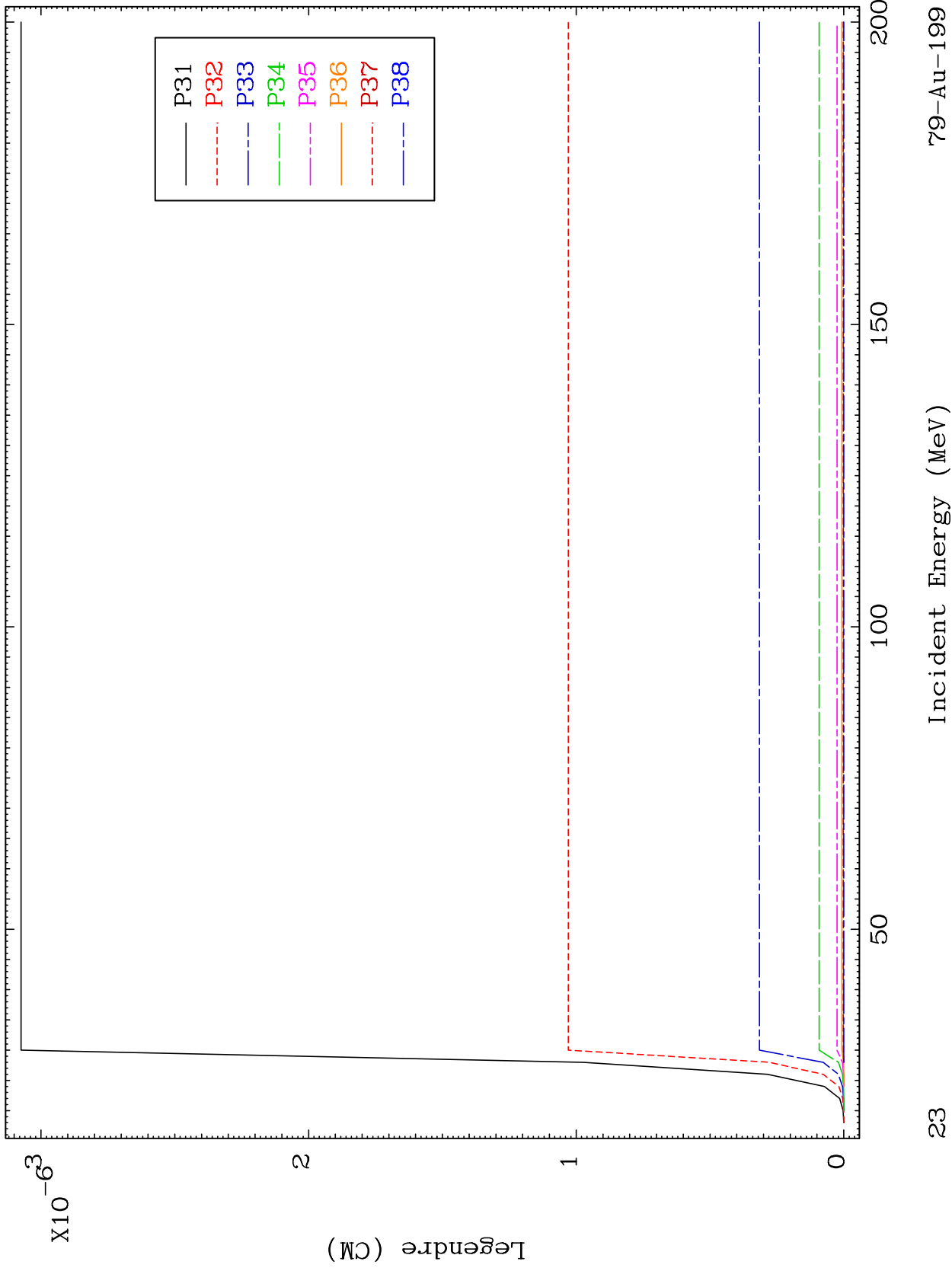
79-Au-199



MAT 7931

77.19 keV (n,n') Level  
Legendre Coefficients

79-Au-199



23

Incident Energy (MeV)

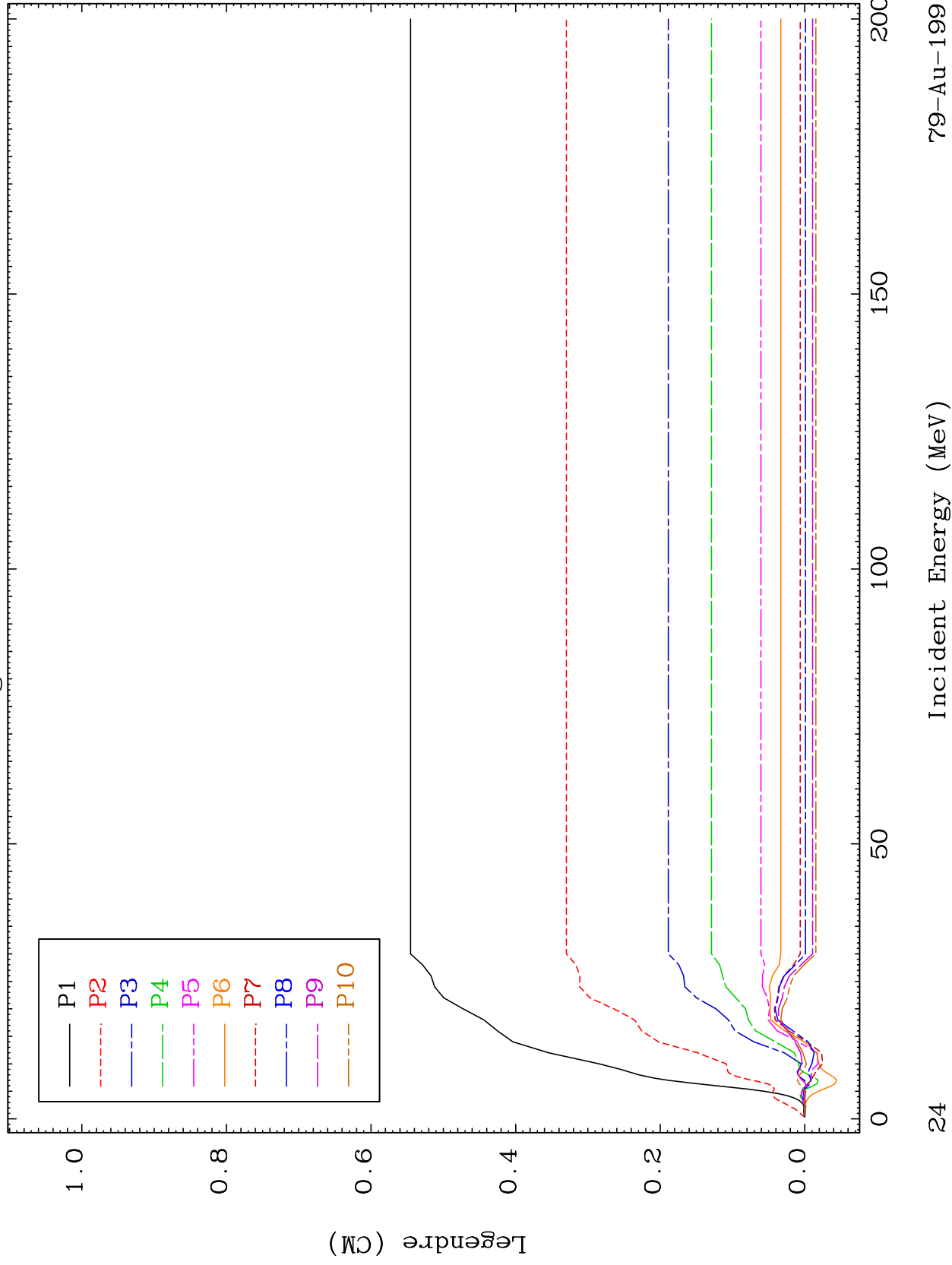
79-Au-199



MAT 7931

317.1 keV (n,n') Level  
Legendre Coefficients

79-Au-199



24

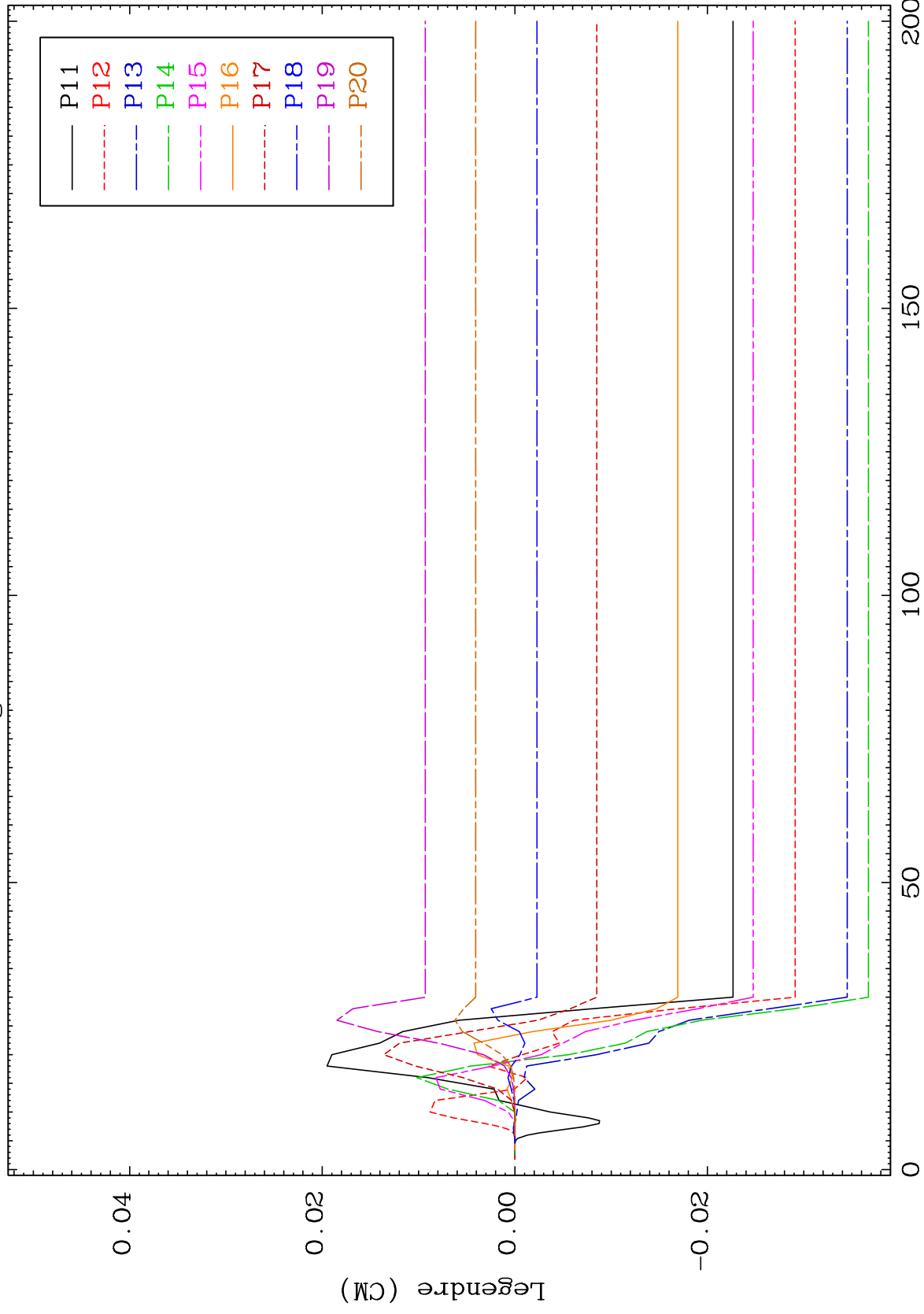
Incident Energy (MeV)

79-Au-199

MAT 7931

317.1 keV (n,n') Level  
Legendre Coefficients

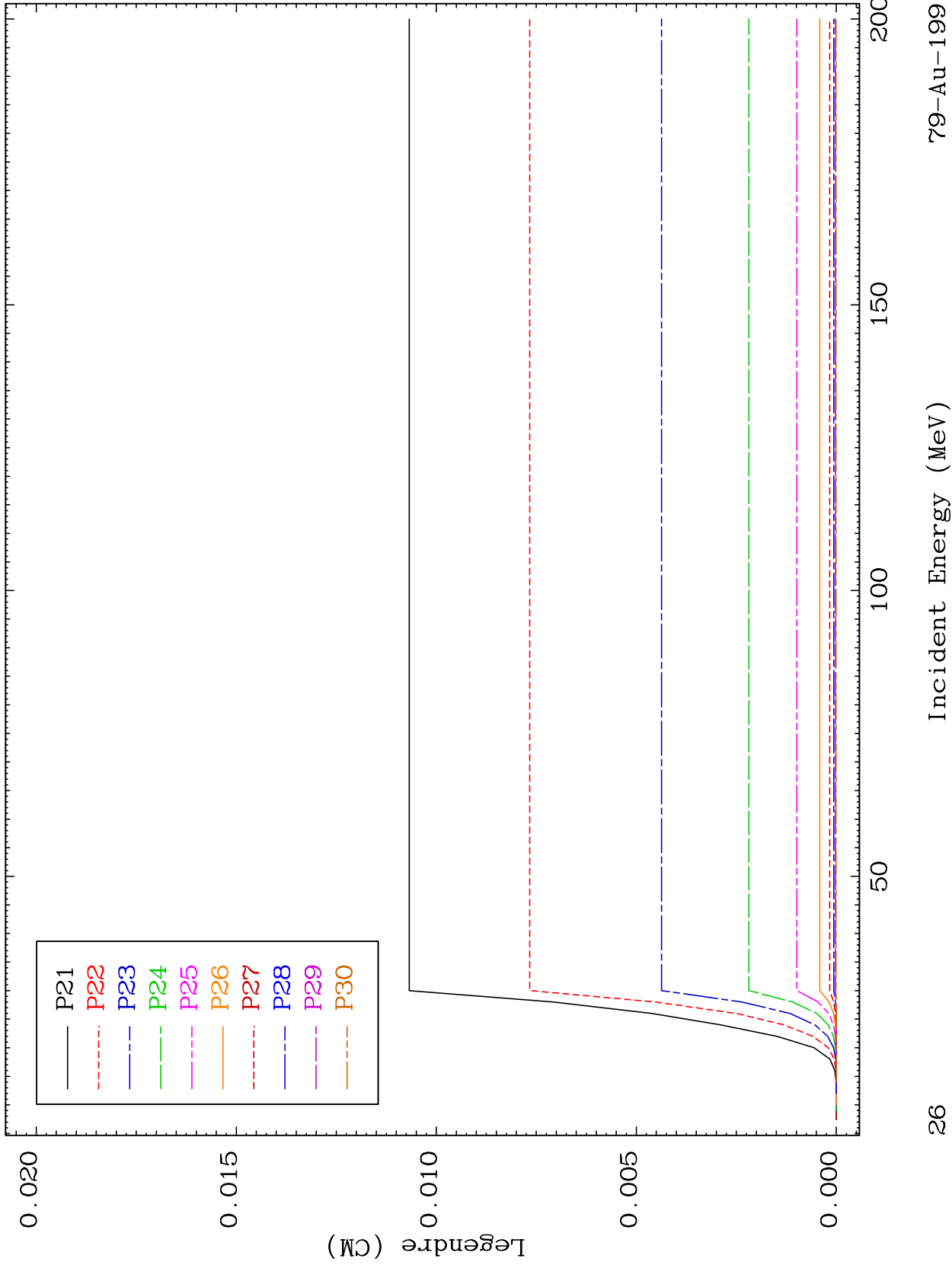
79-Au-199



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Incident Energy (MeV)

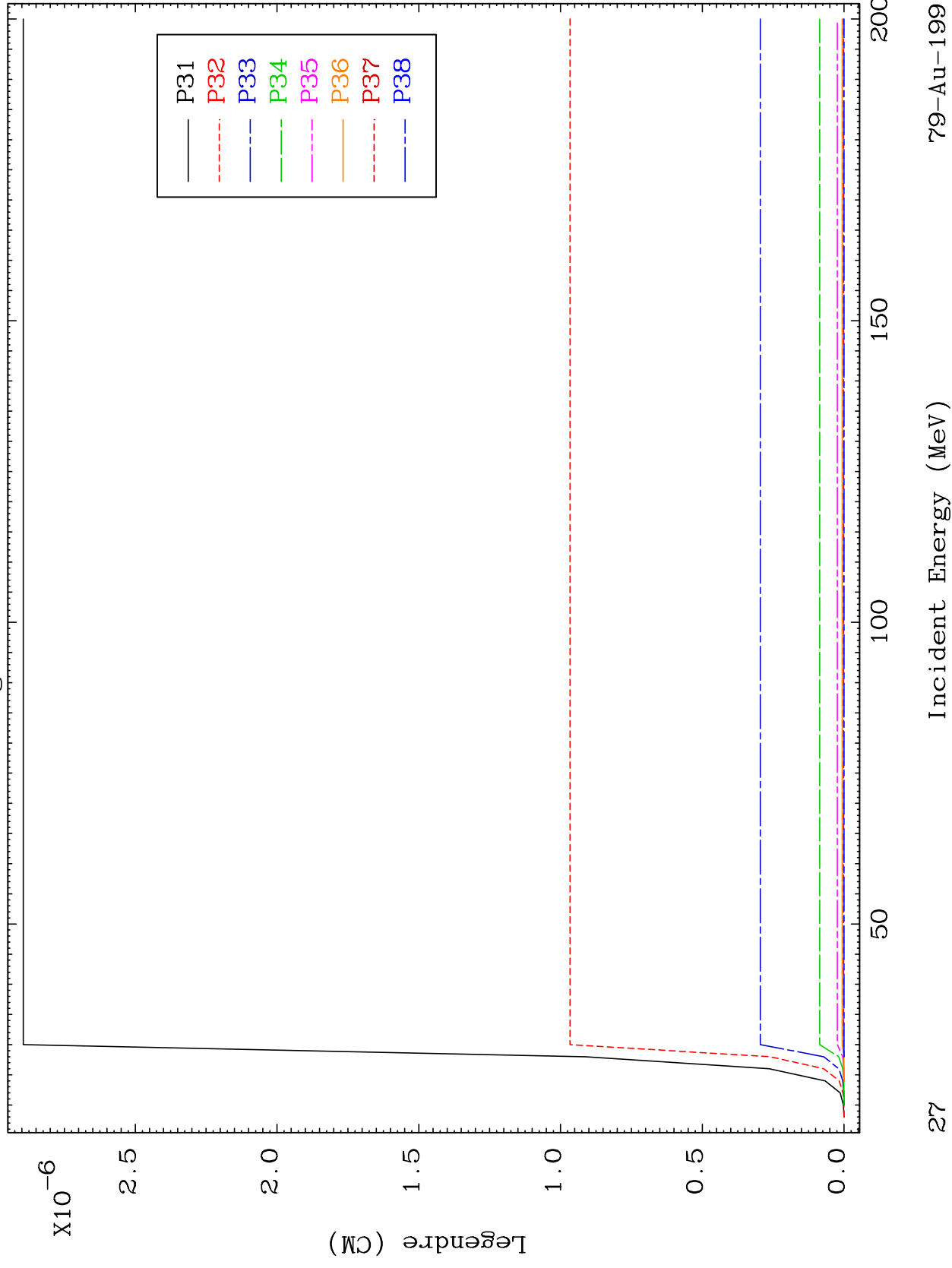
79-Au-199



MAT 7931

317.1 keV (n,n') Level  
Legendre Coefficients

79-Au-199



27

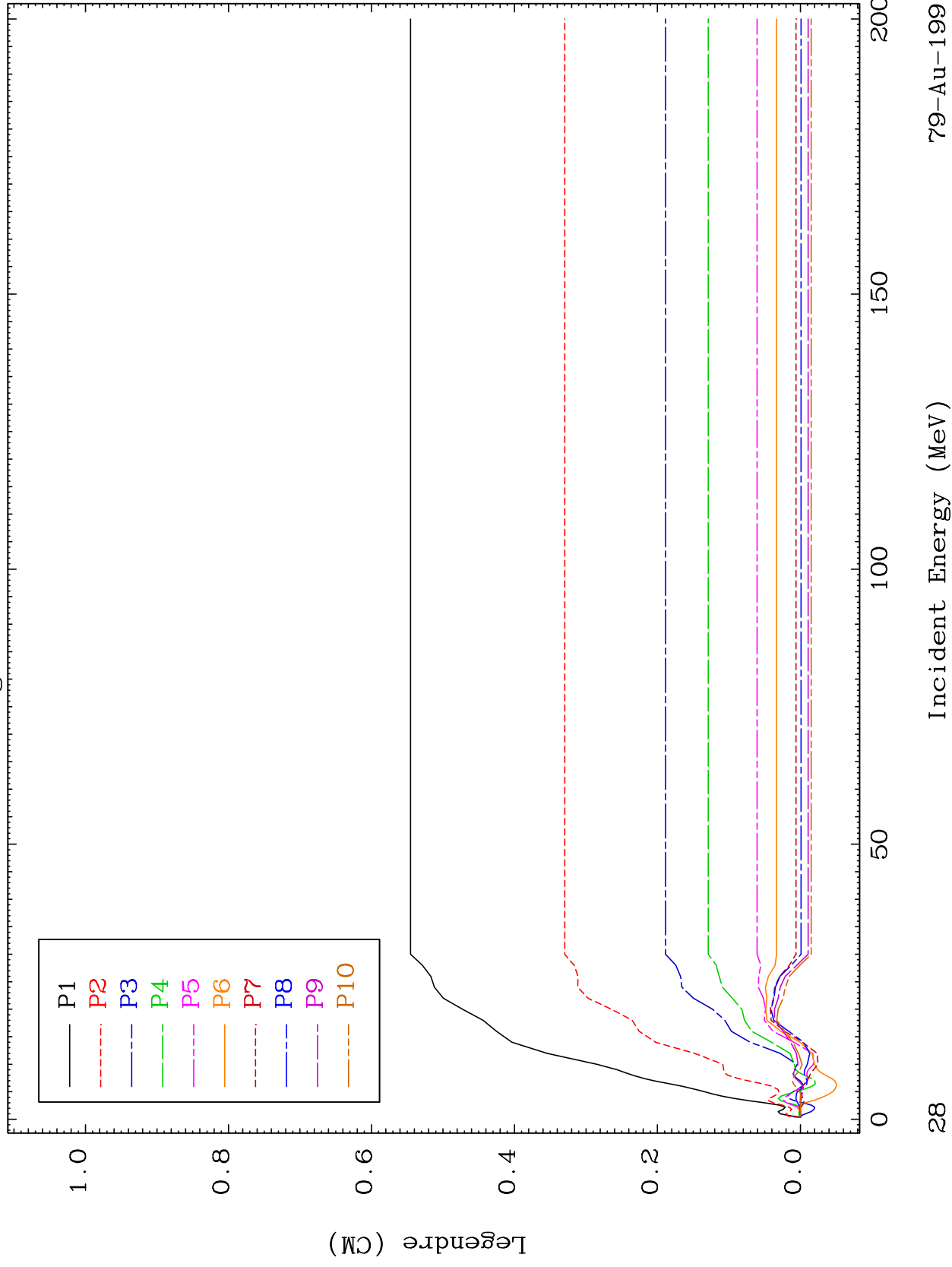
Incident Energy (MeV)

79-Au-199

MAT 7931

323.7 keV (n,n') Level  
Legendre Coefficients

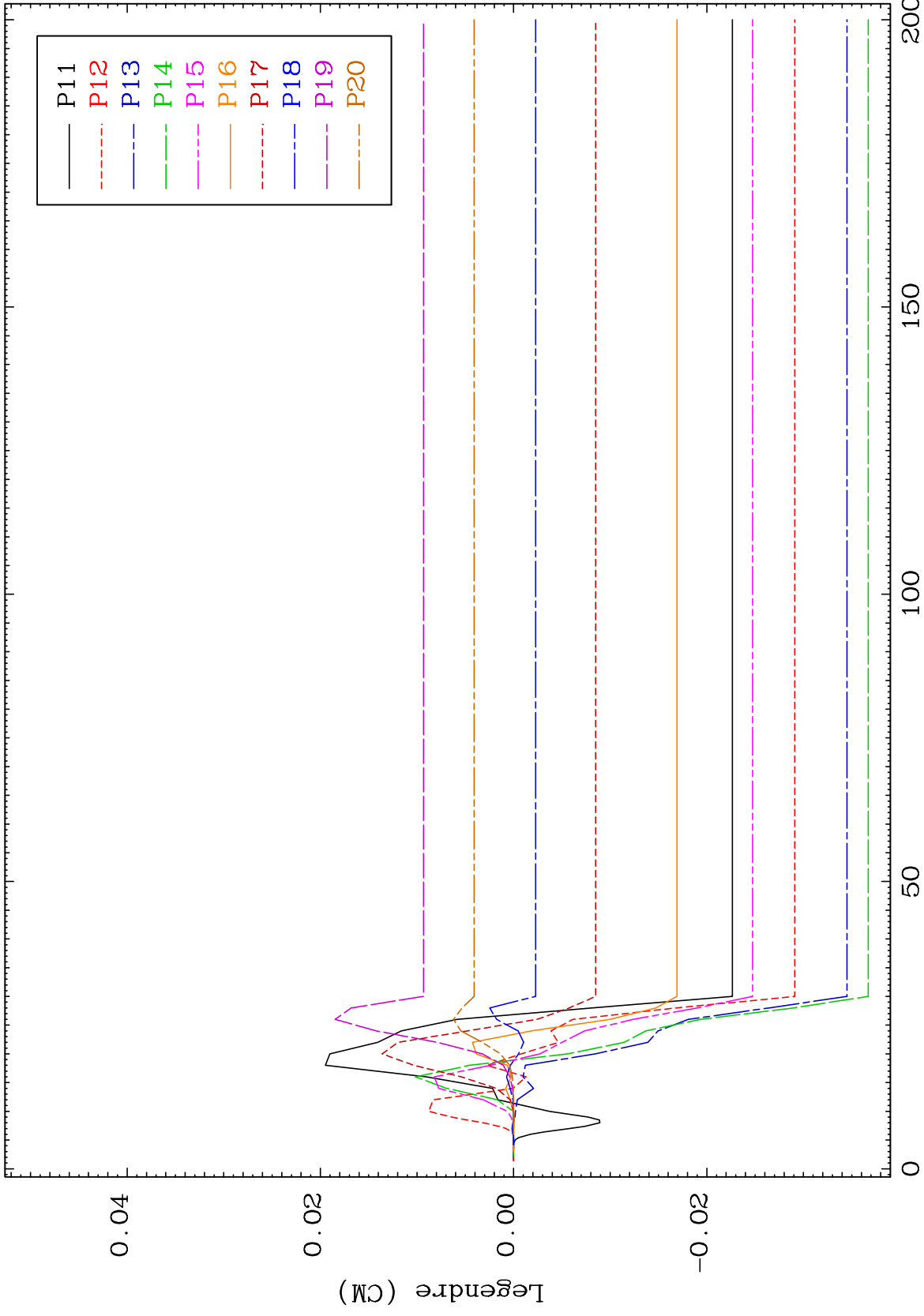
79-Au-199



79-Au-199

Incident Energy (MeV)

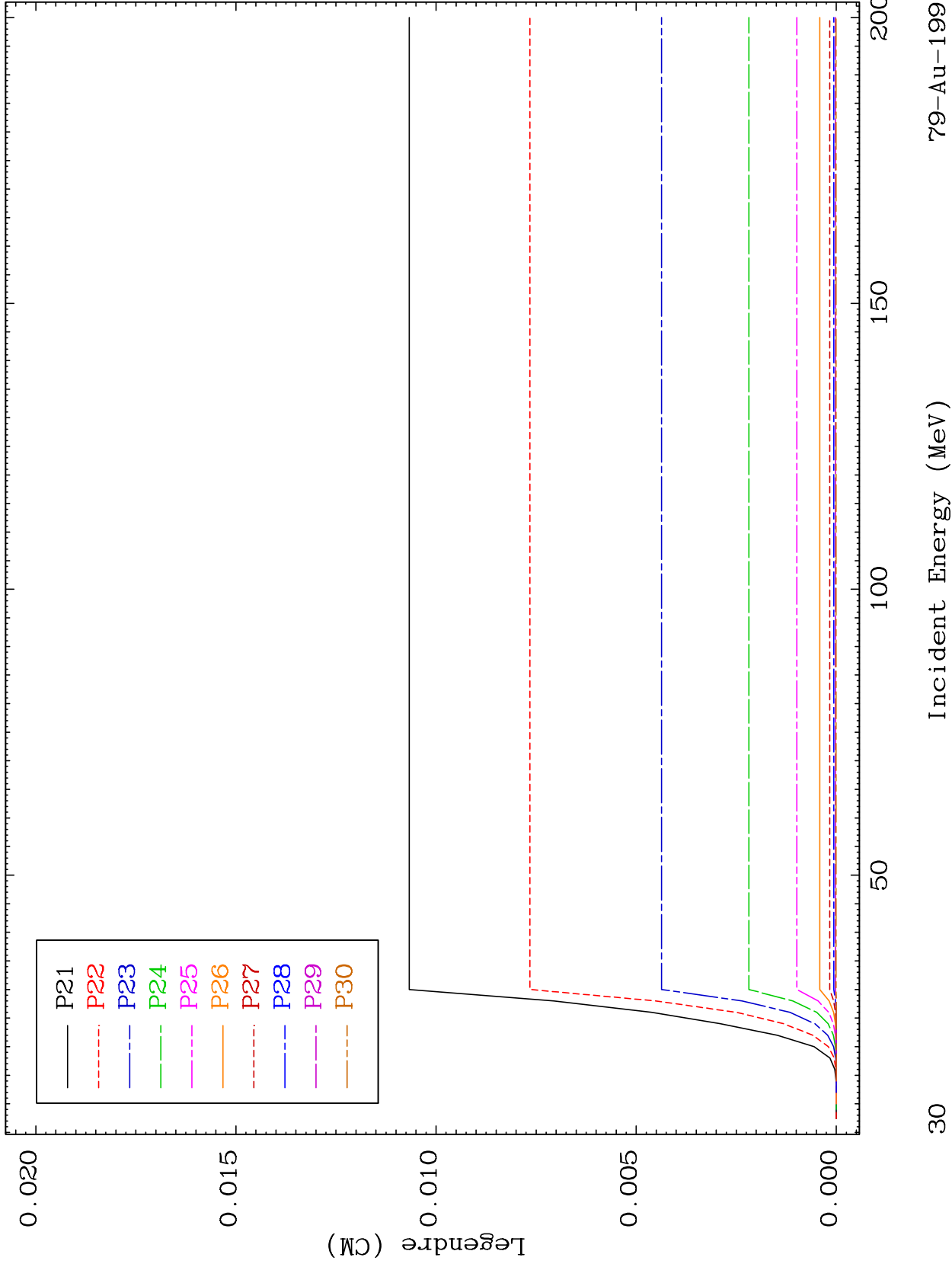
28



MAT 7931

323.7 keV (n,n') Level  
Legendre Coefficients

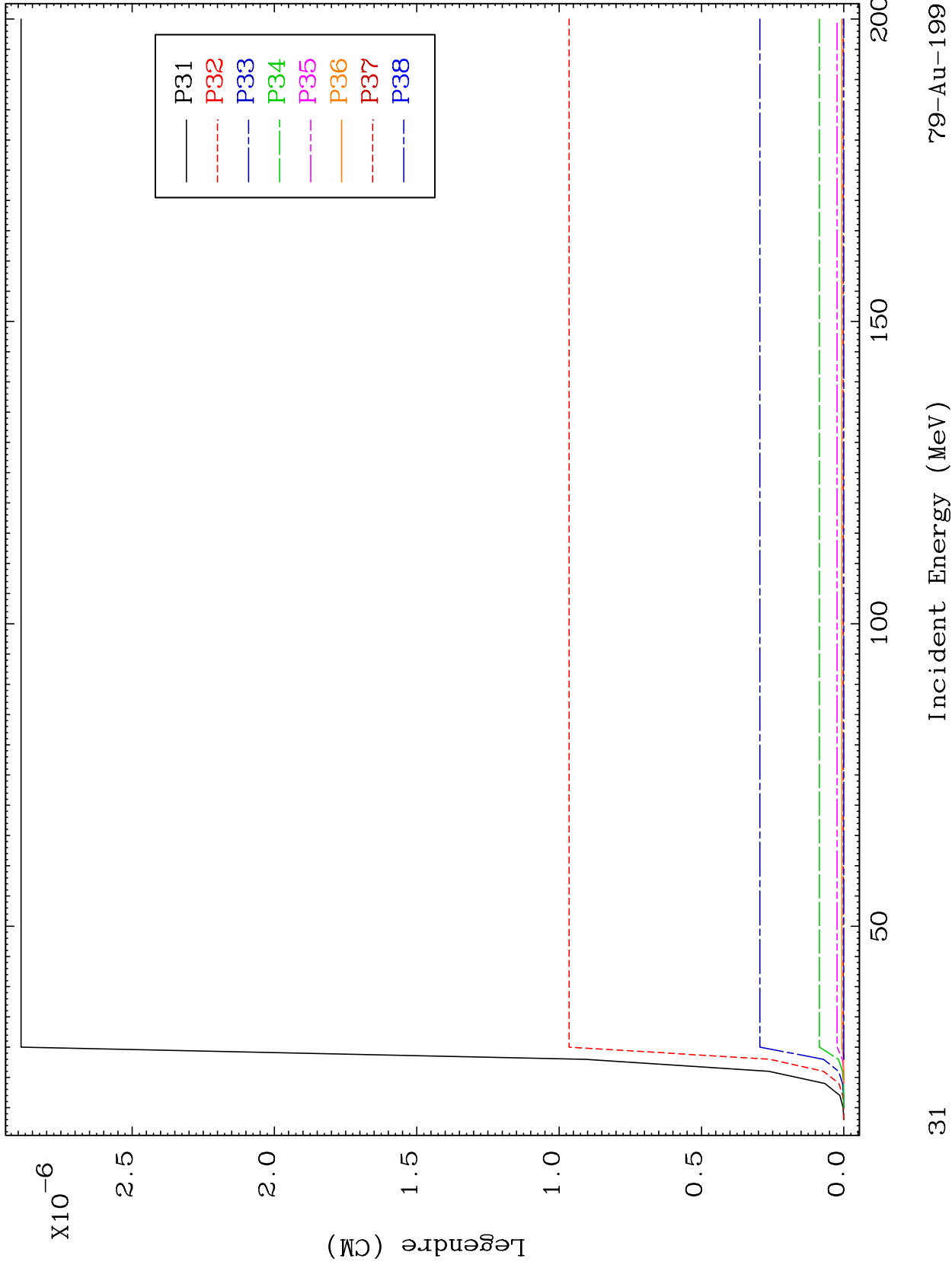
79-Au-199



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Incident Energy (MeV)

79-Au-199



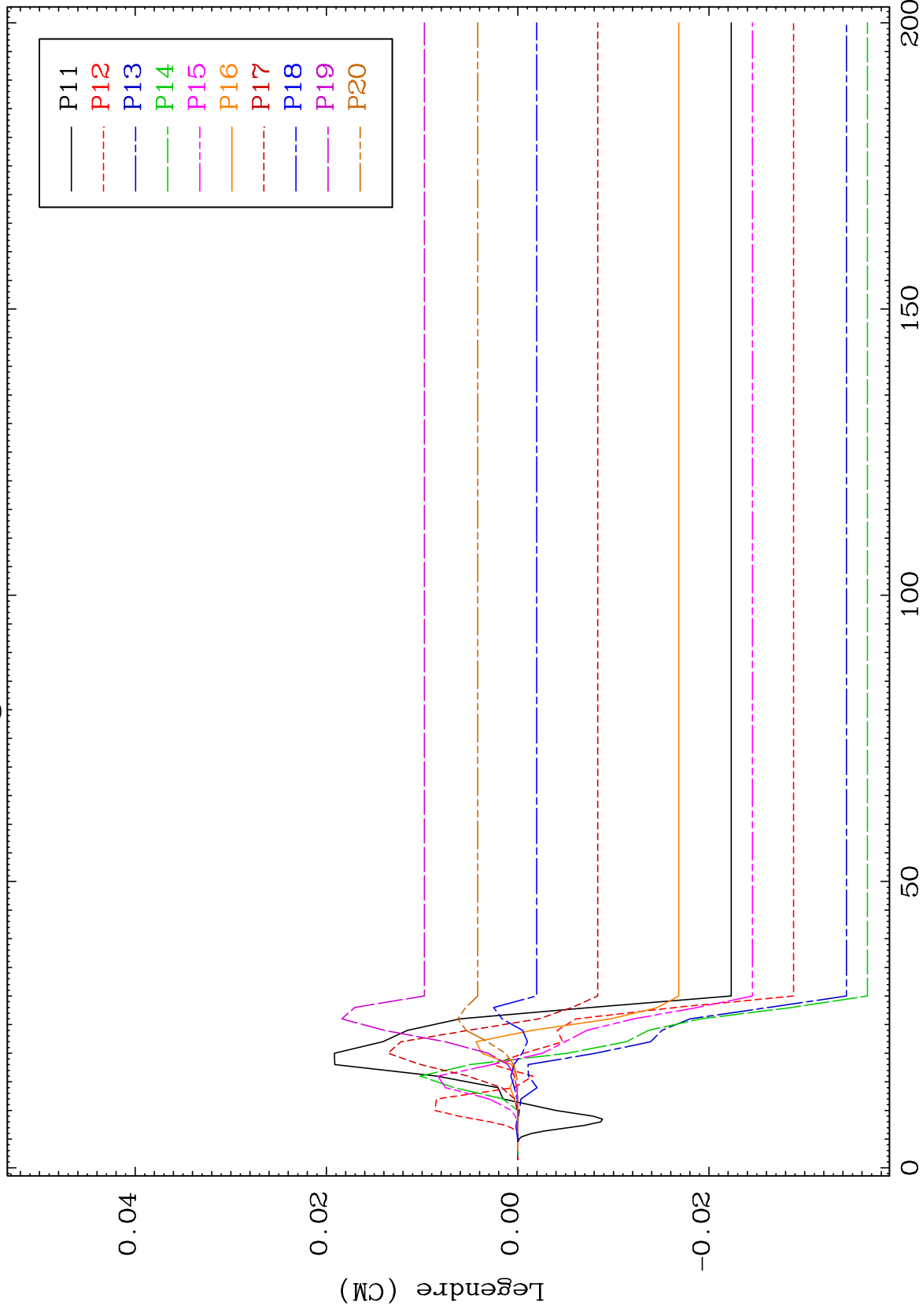




MAT 7931

493.8 keV (n,n') Level  
Legendre Coefficients

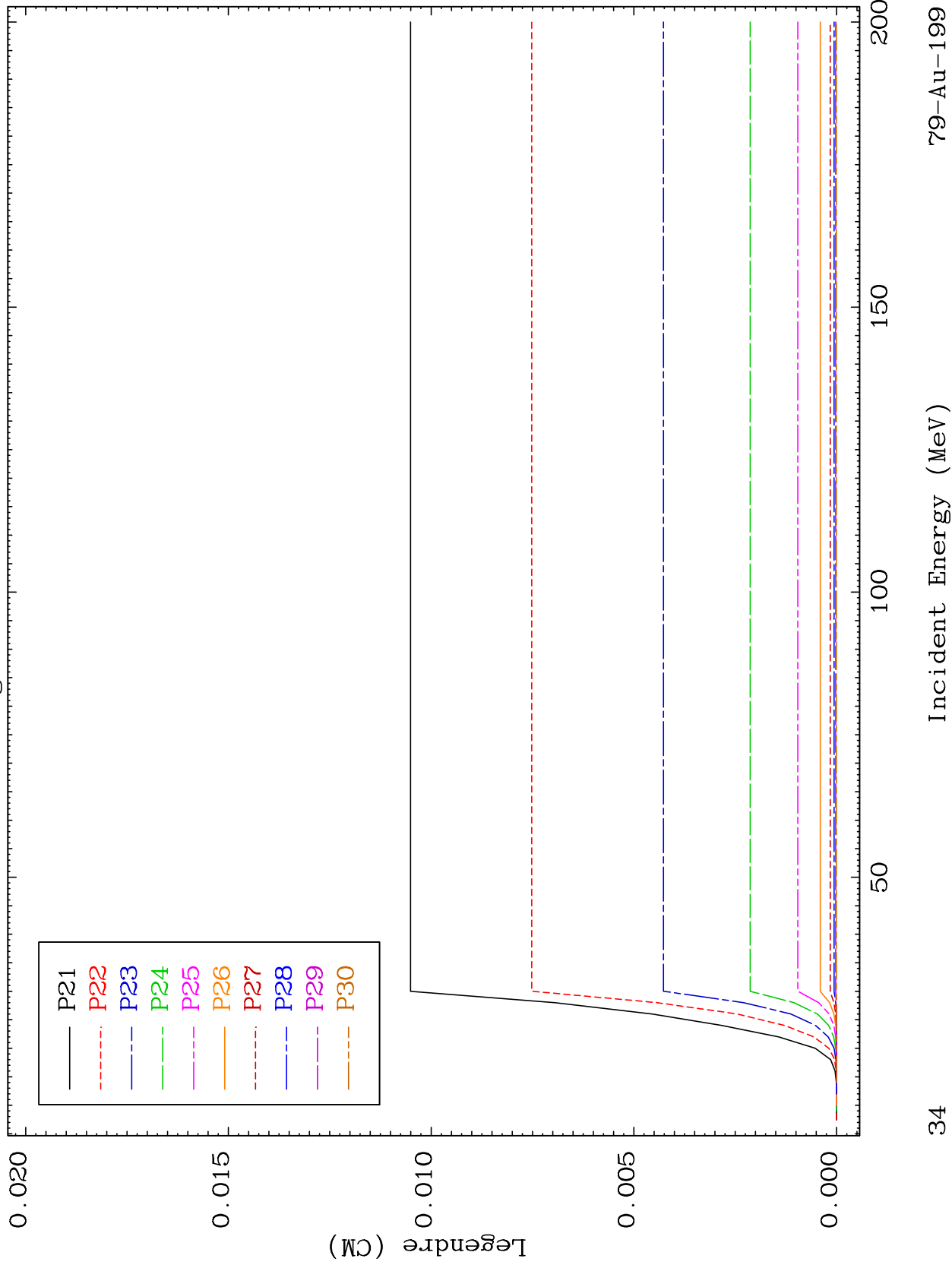
79-Au-199

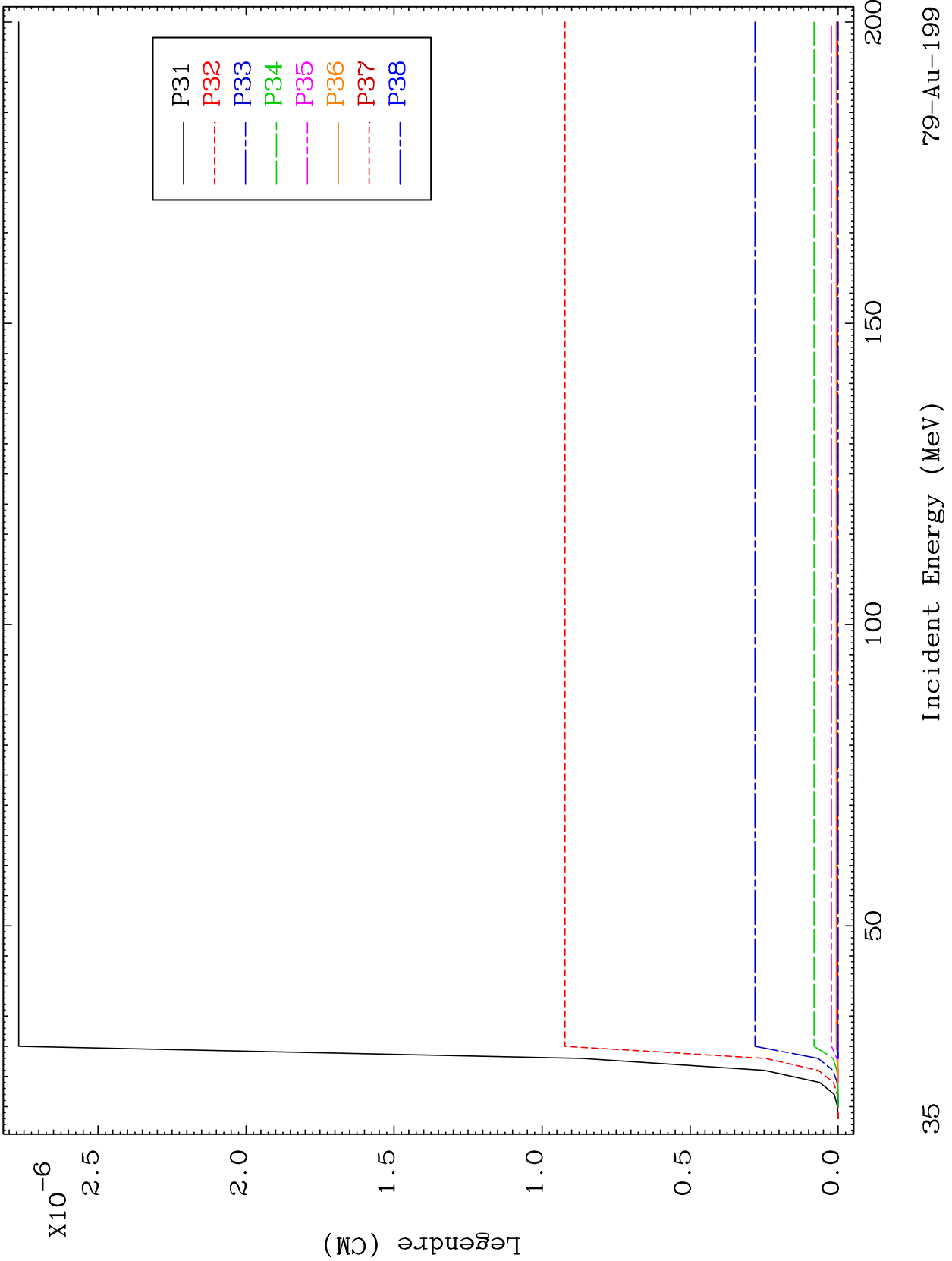


33

Incident Energy (MeV)

79-Au-199

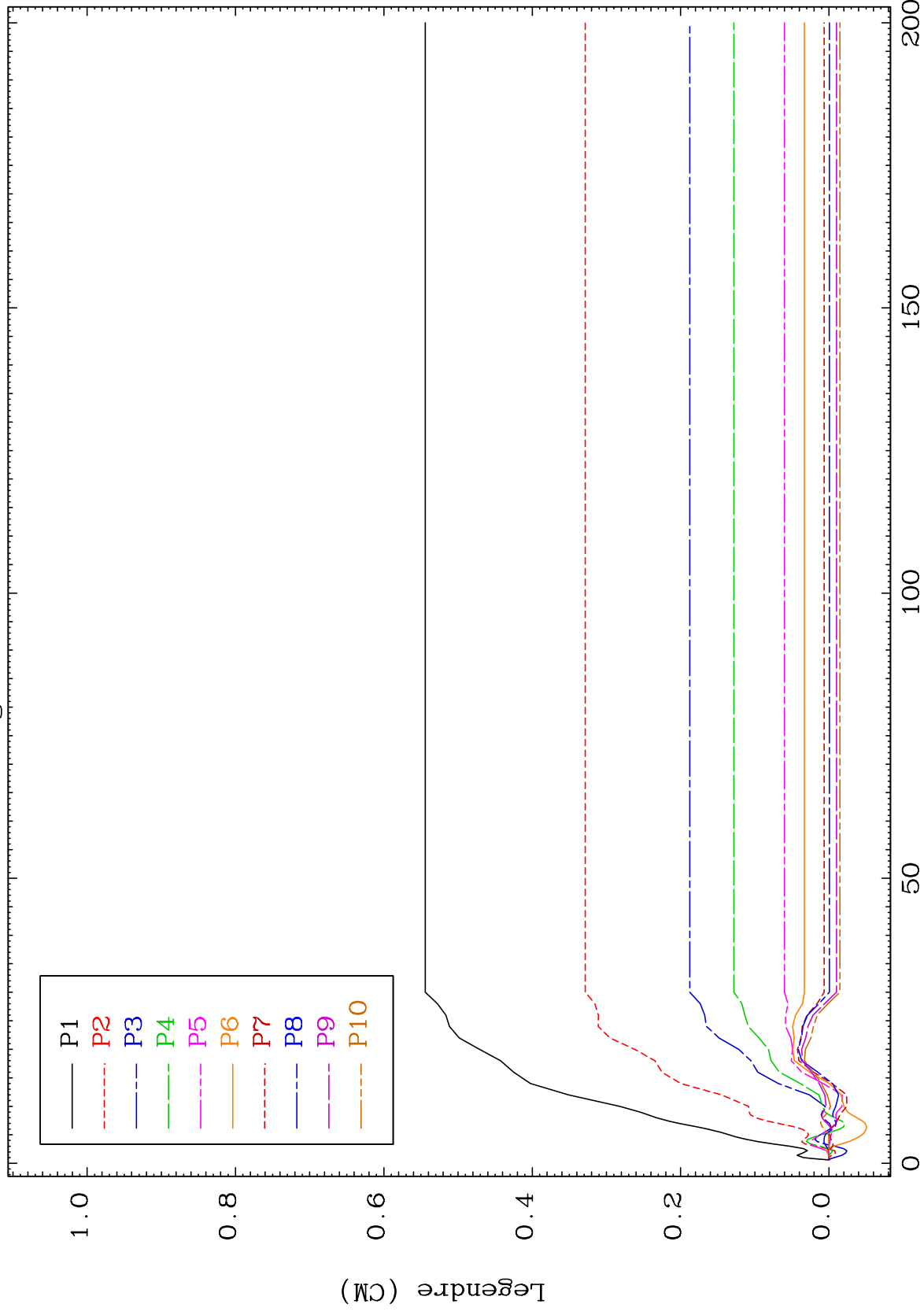




MAT 7931

543.0 keV (n, n') Level  
Legendre Coefficients

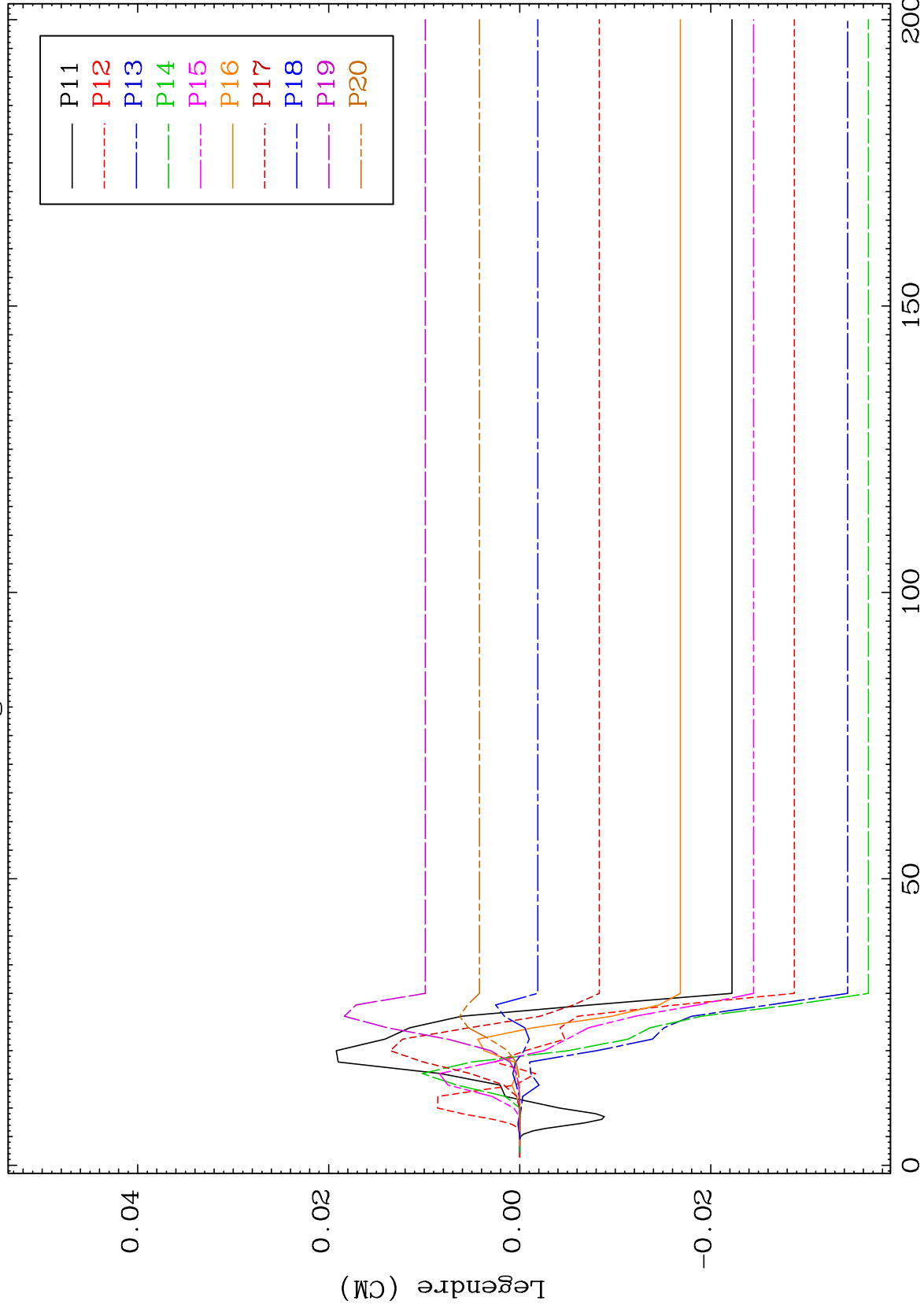
79-Au-199

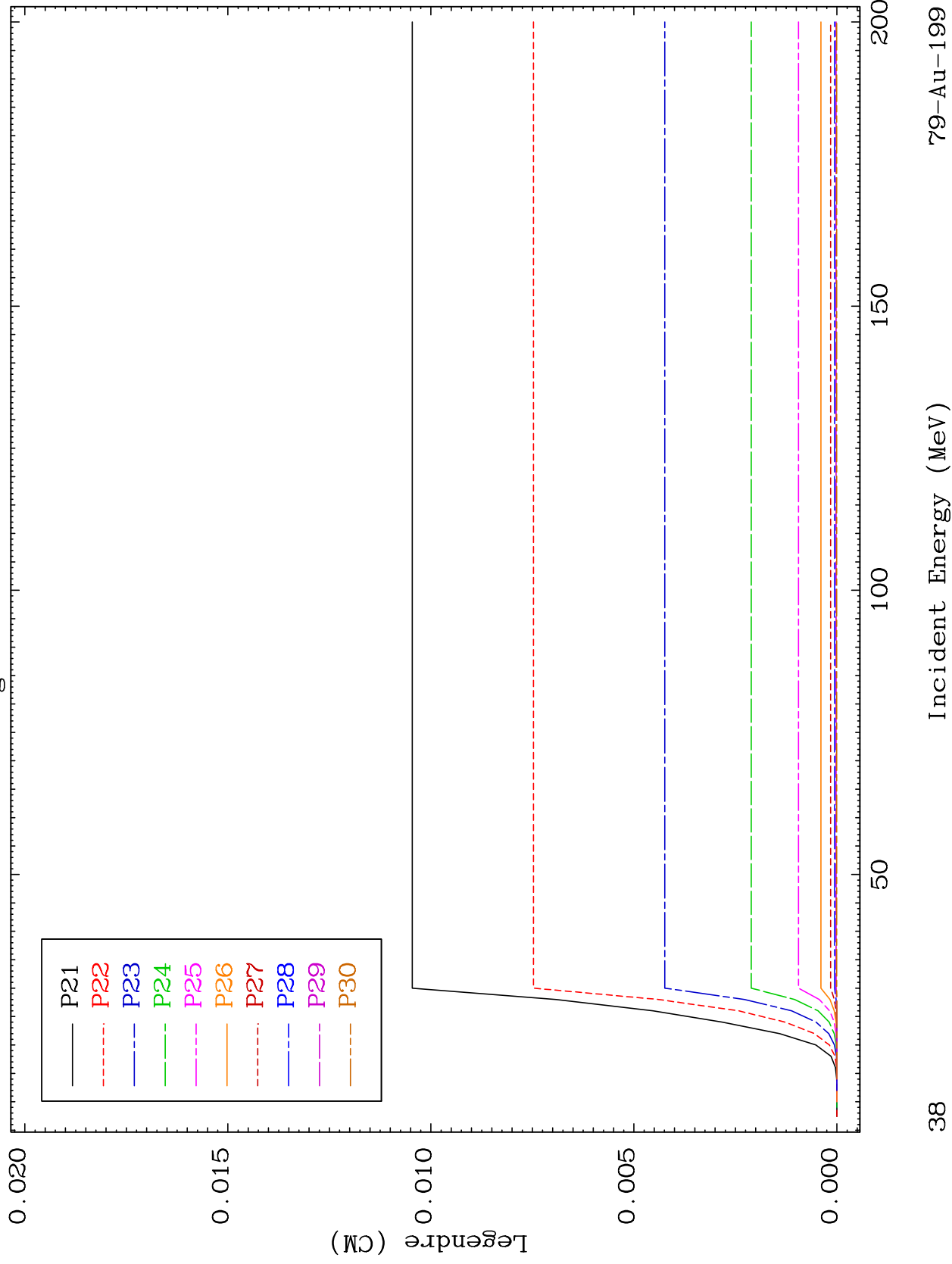


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Incident Energy (MeV)

79-Au-199

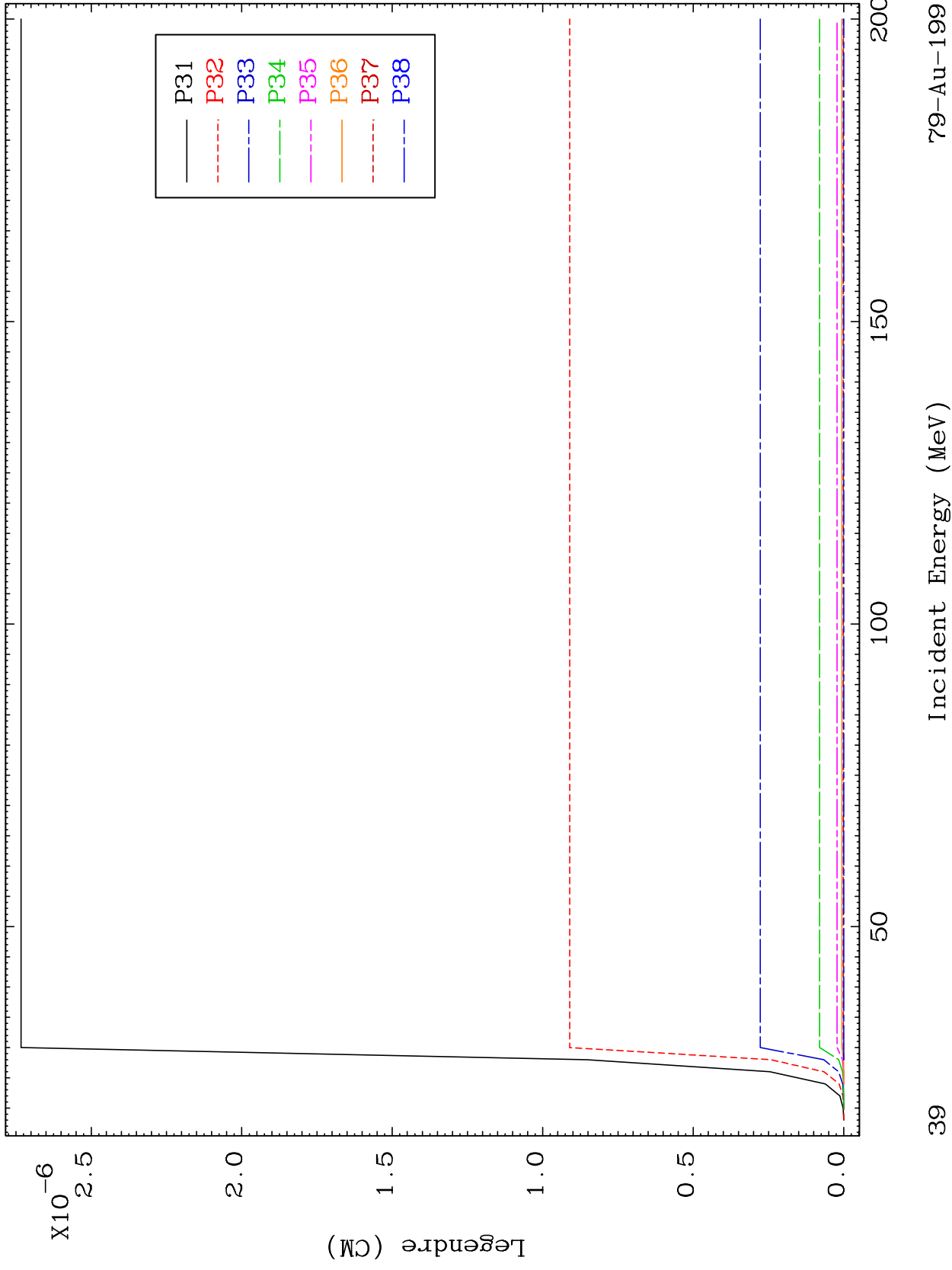




MAT 7931

543.0 keV (n,n') Level  
Legendre Coefficients

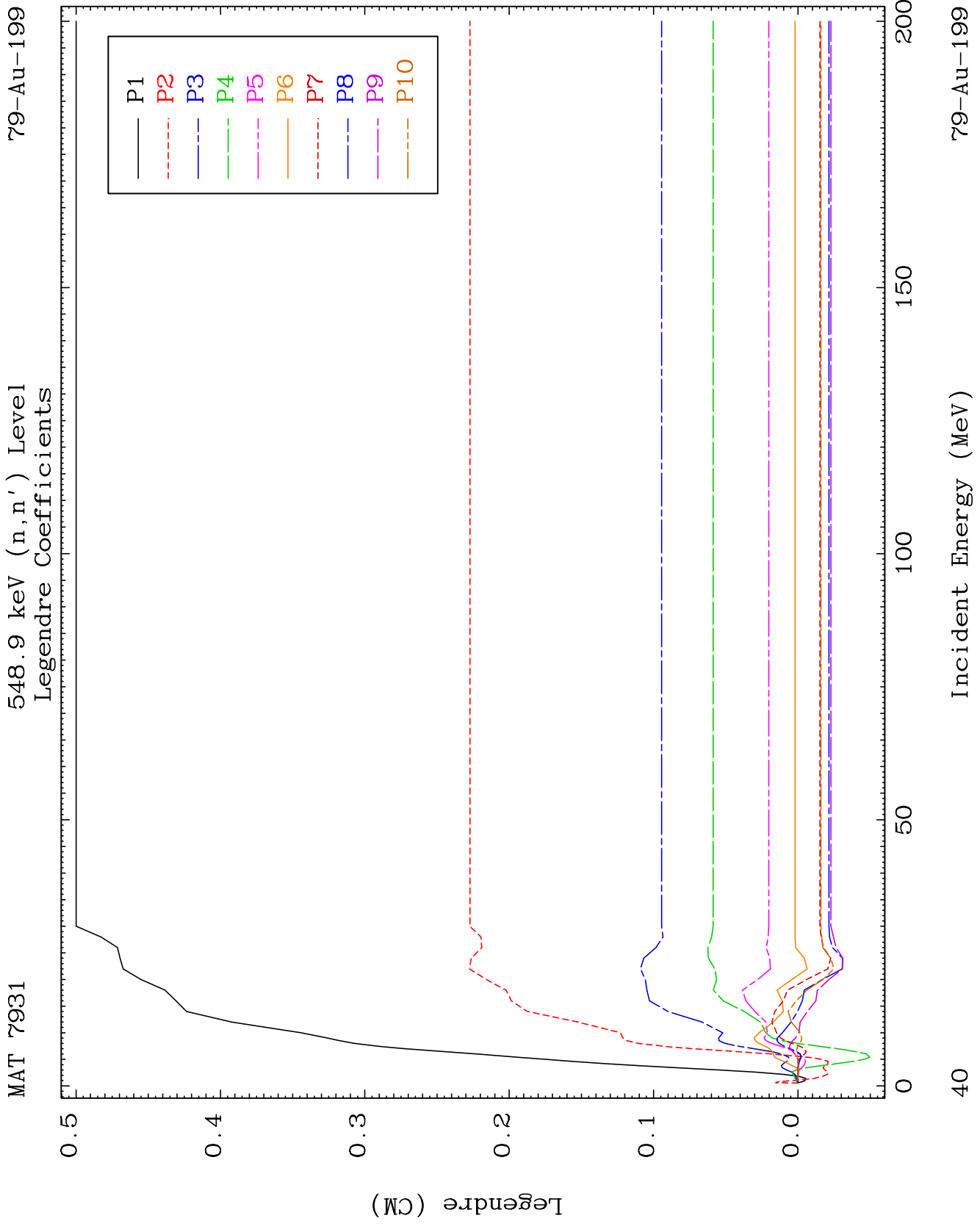
79-Au-199



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79-Au-199

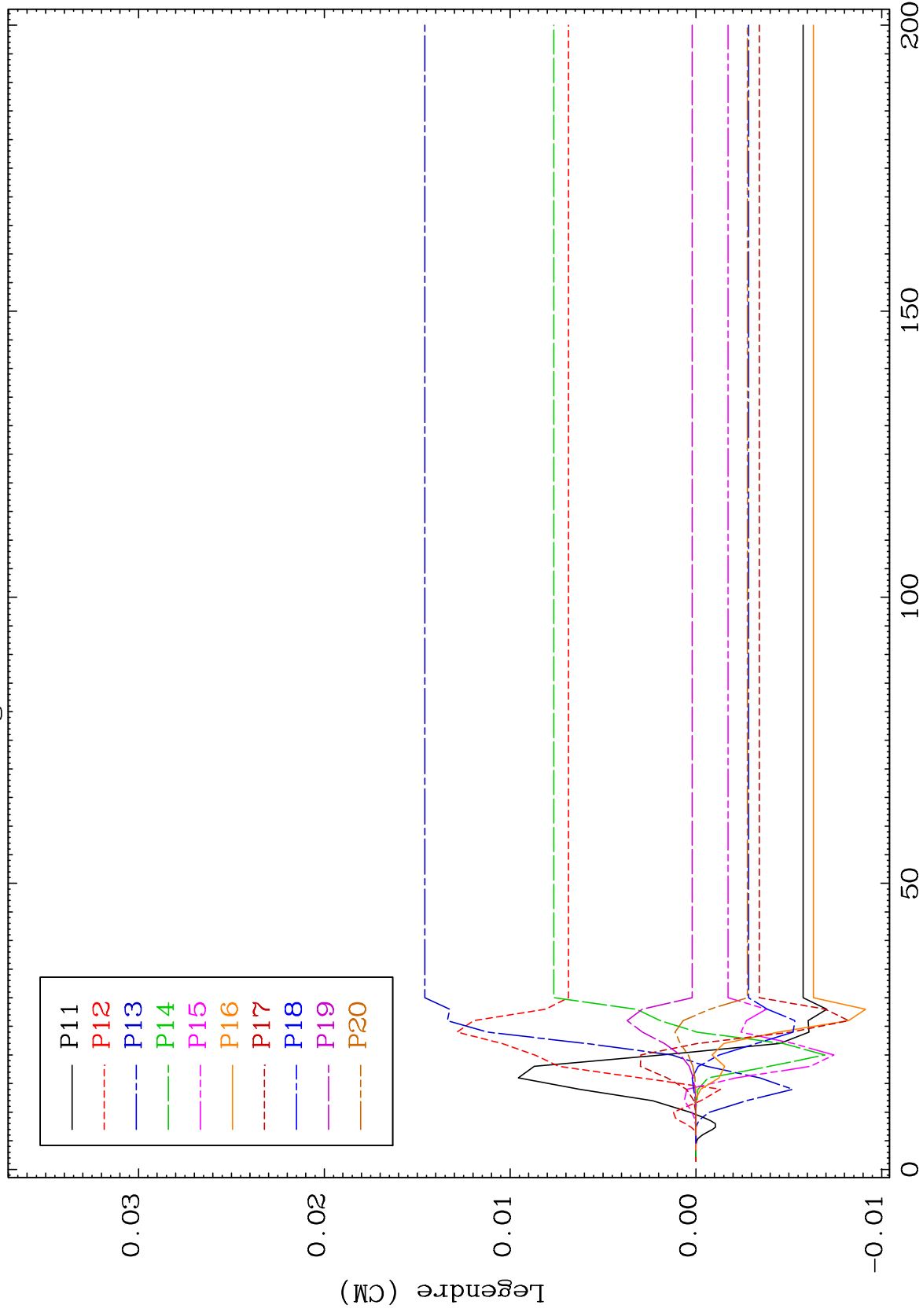




MAT 7931

548.9 keV (n, n') Level  
Legendre Coefficients

79-Au-199



41

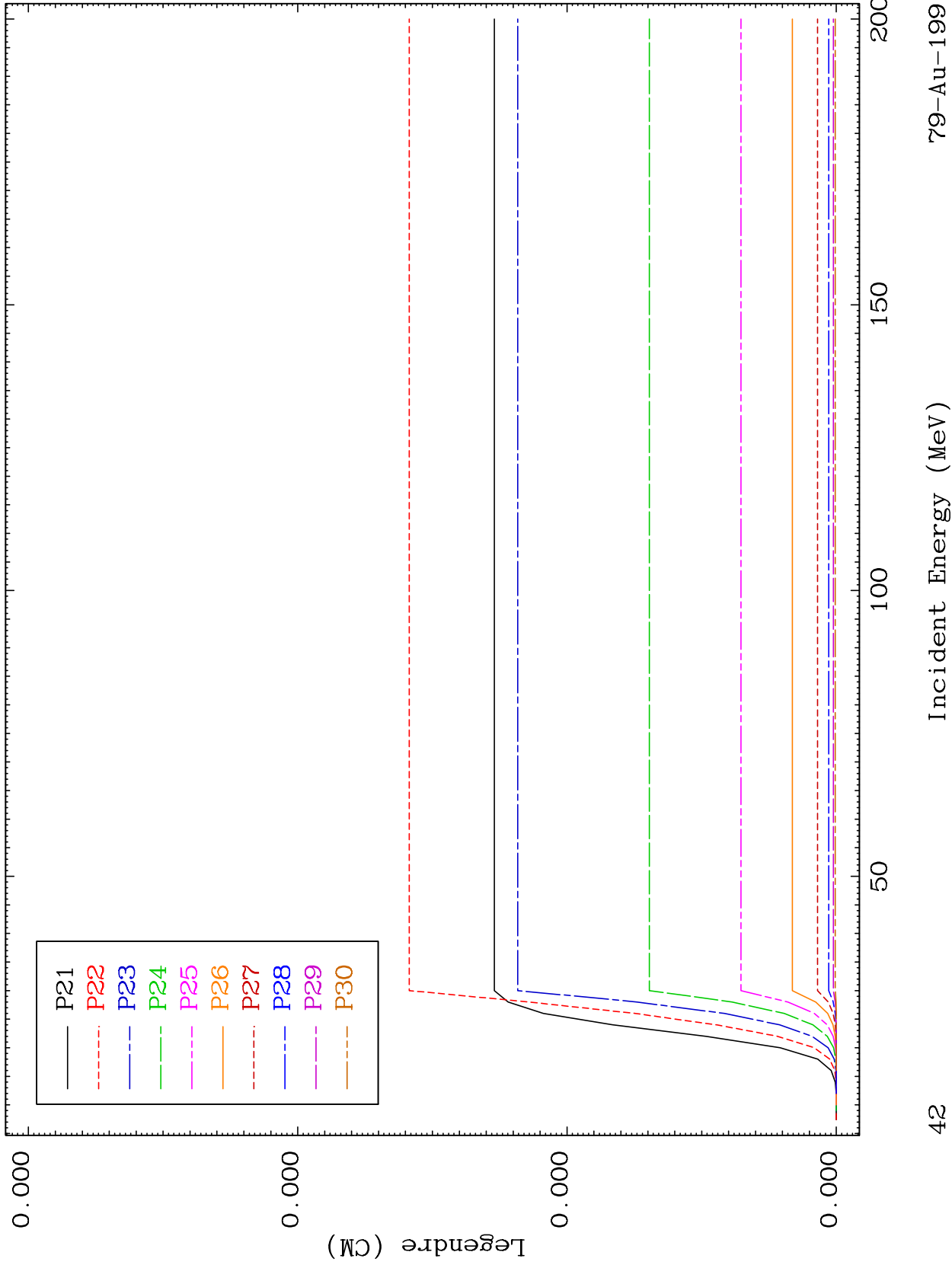
Incident Energy (MeV)

79-Au-199

MAT 7931

548.9 keV (n,n') Level  
Legendre Coefficients

79-Au-199



42

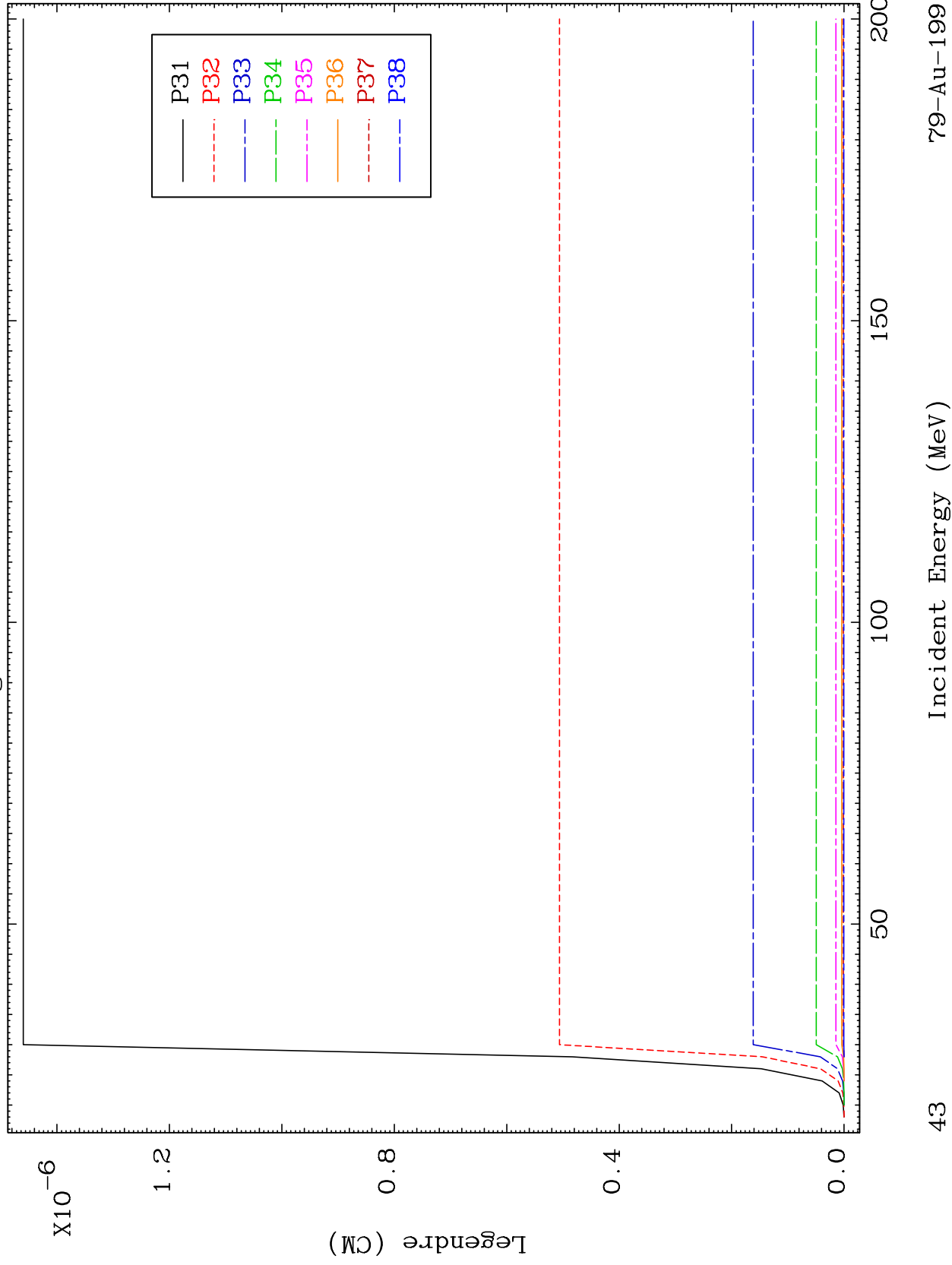
Incident Energy (MeV)

79-Au-199

MAT 7931

548.9 keV (n, n') Level  
Legendre Coefficients

79-Au-199



43

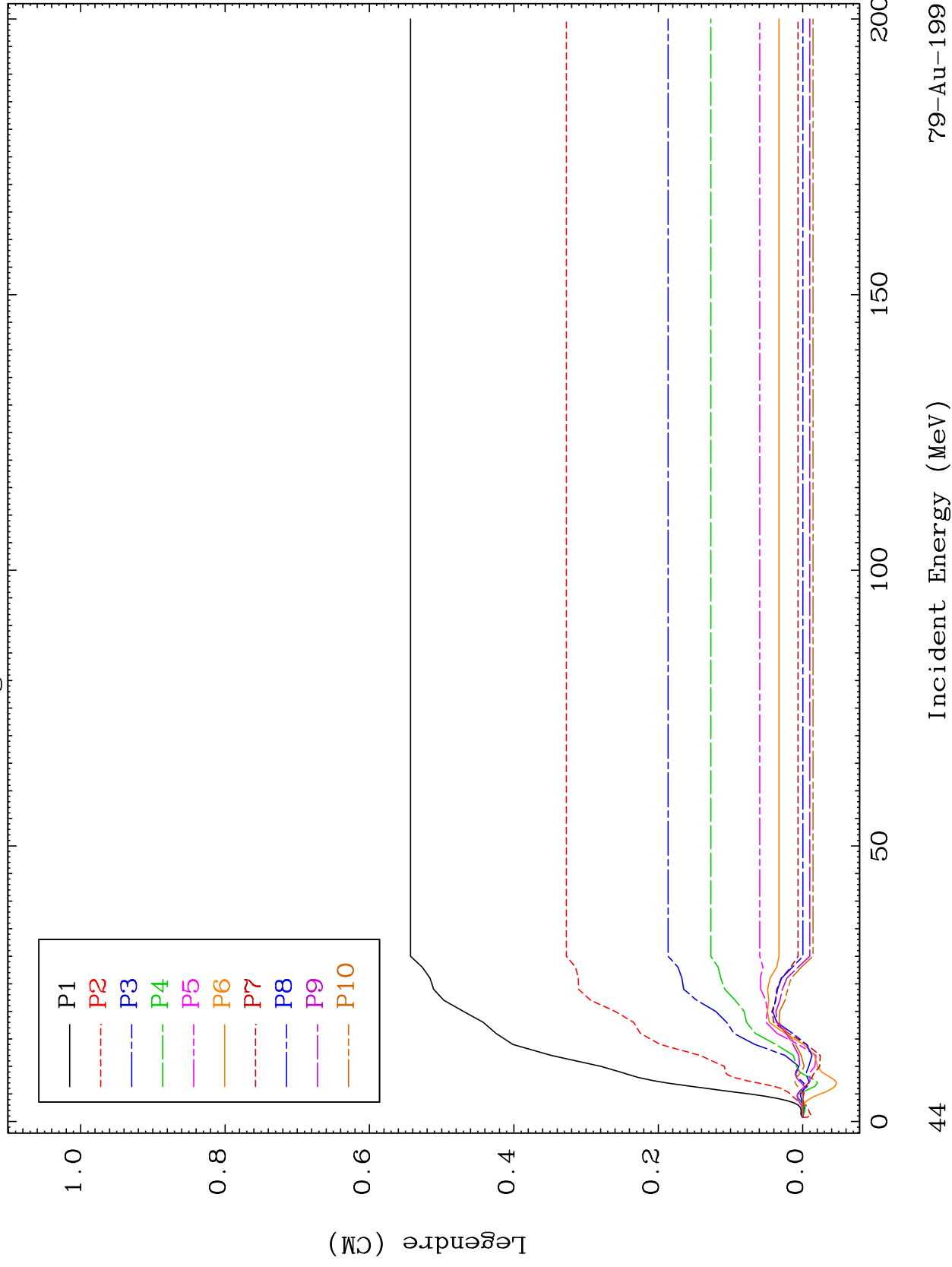
Incident Energy (MeV)

79-Au-199

MAT 7931

734.7 keV (n,n') Level  
Legendre Coefficients

79-Au-199



44

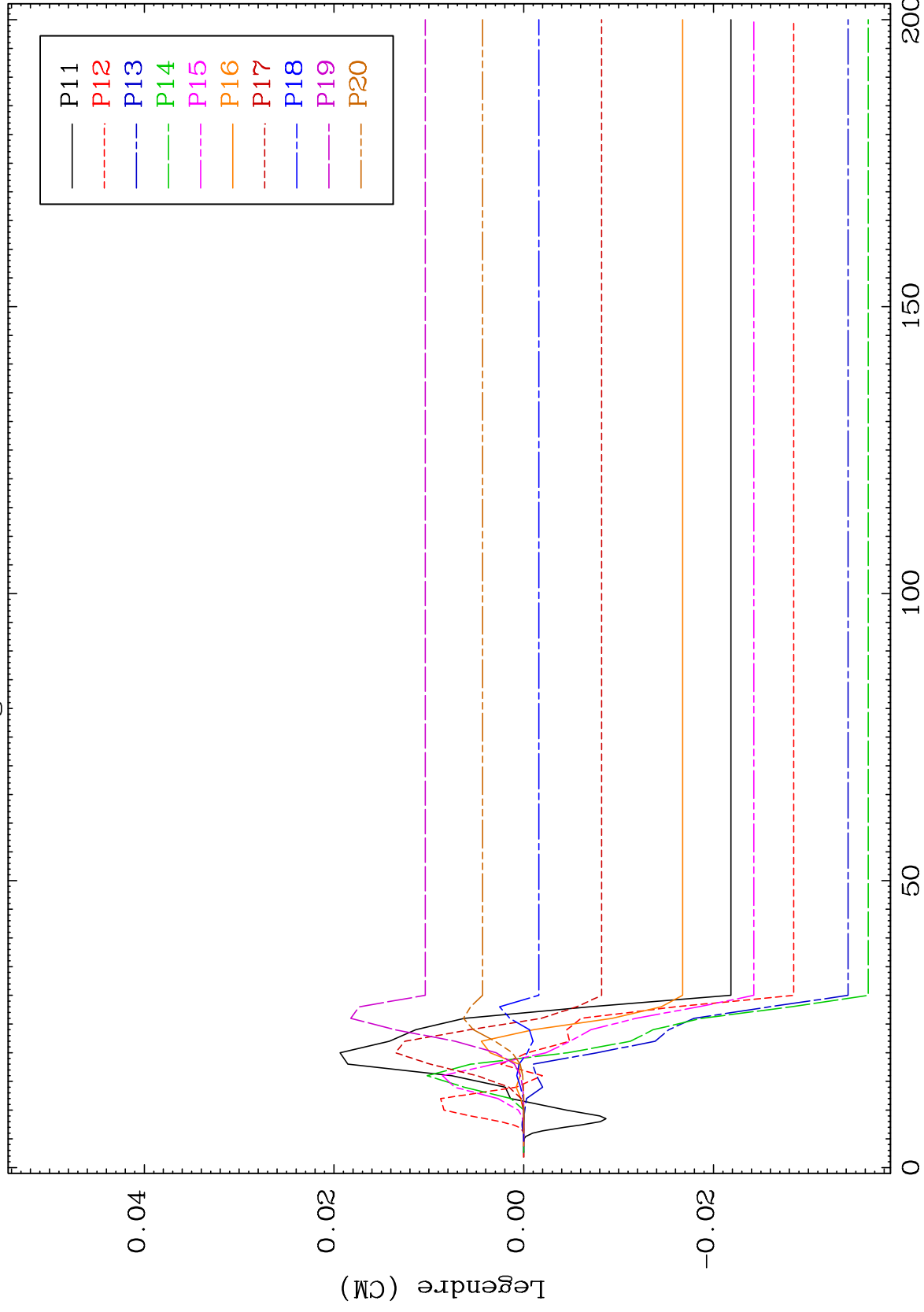
Incident Energy (MeV)

79-Au-199

MAT 7931

734.7 keV (n,n') Level  
Legendre Coefficients

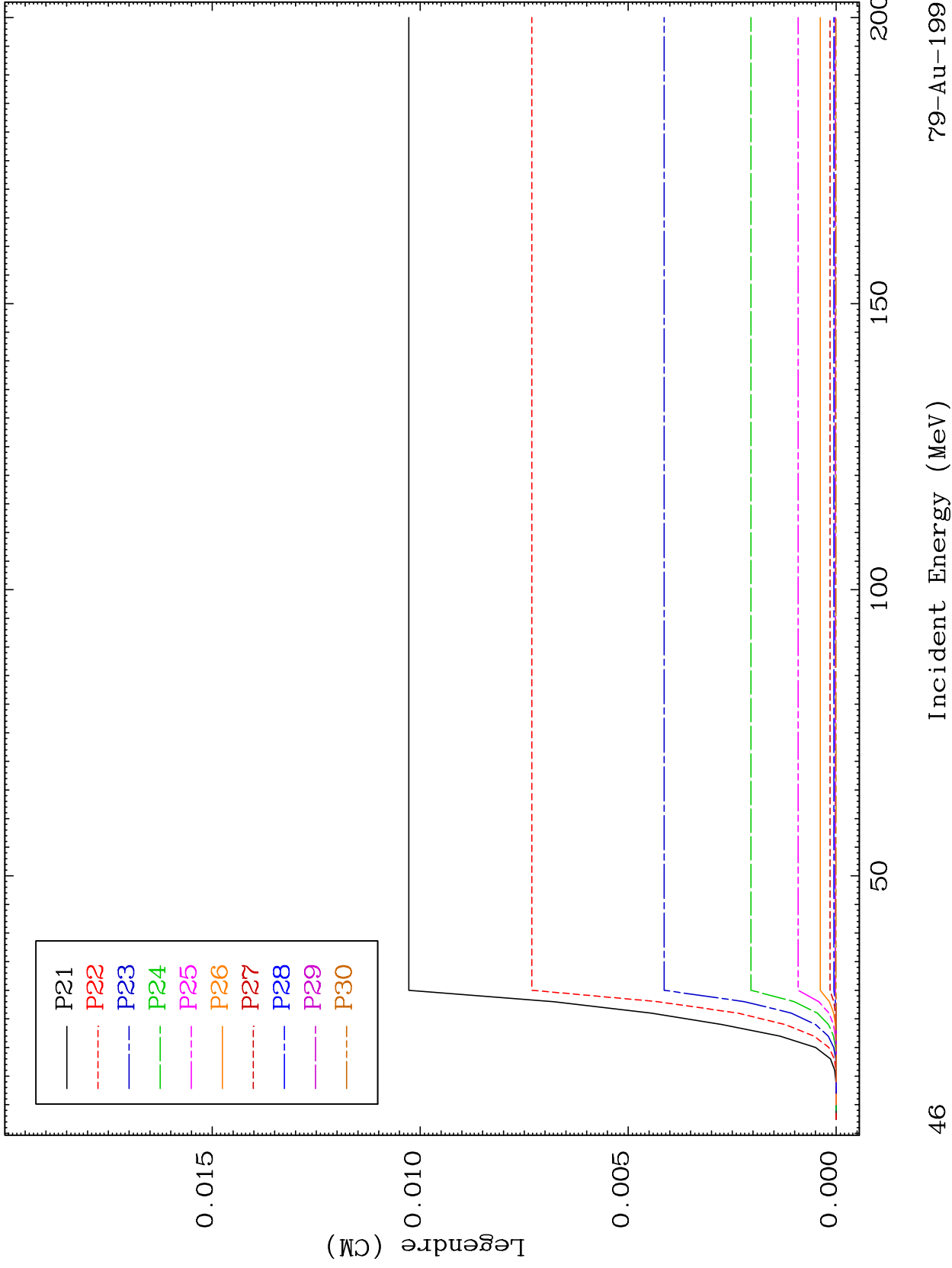
79-Au-199



45

Incident Energy (MeV)

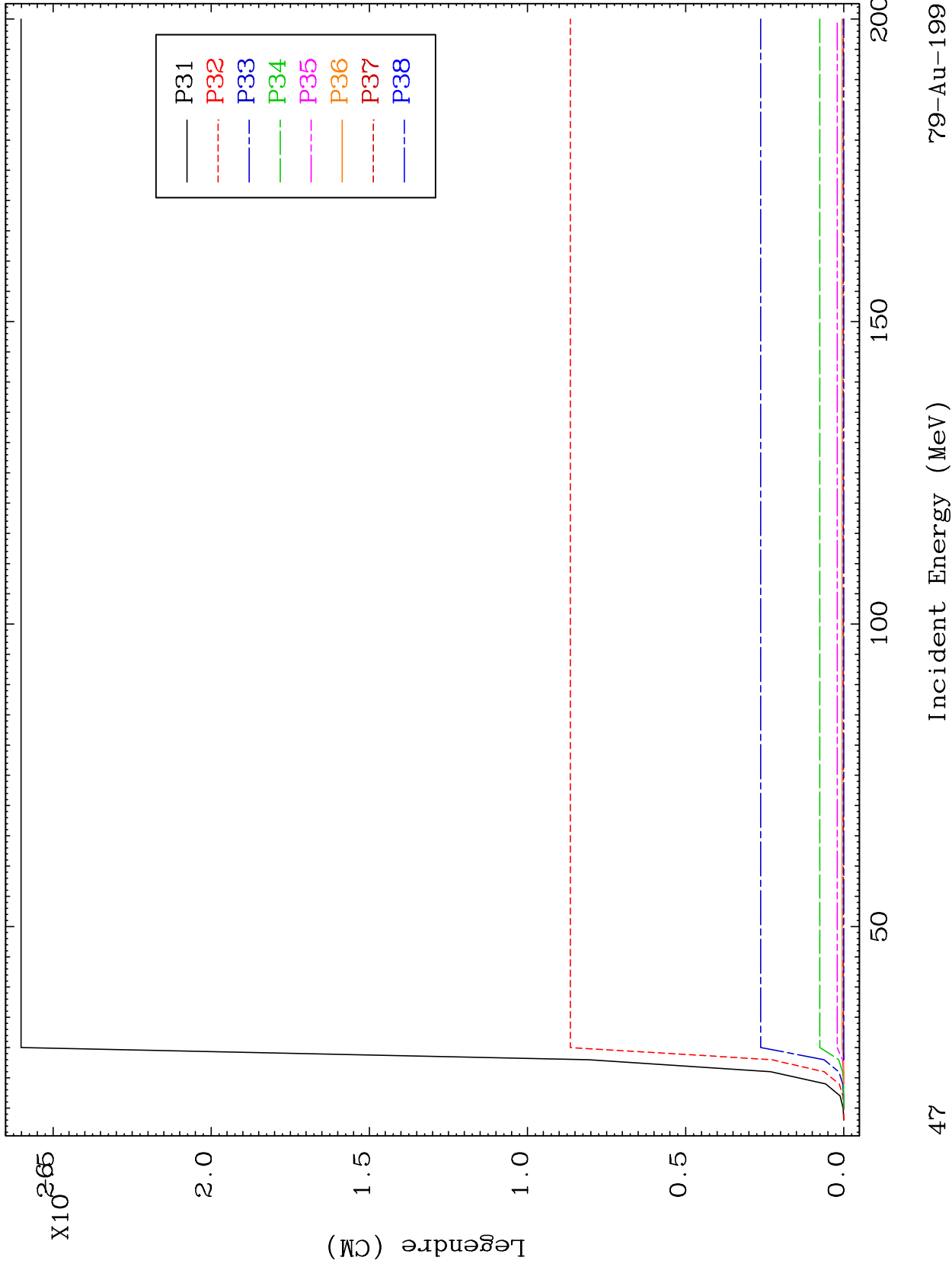
79-Au-199



MAT 7931

734.7 keV (n,n') Level  
Legendre Coefficients

79-Au-199

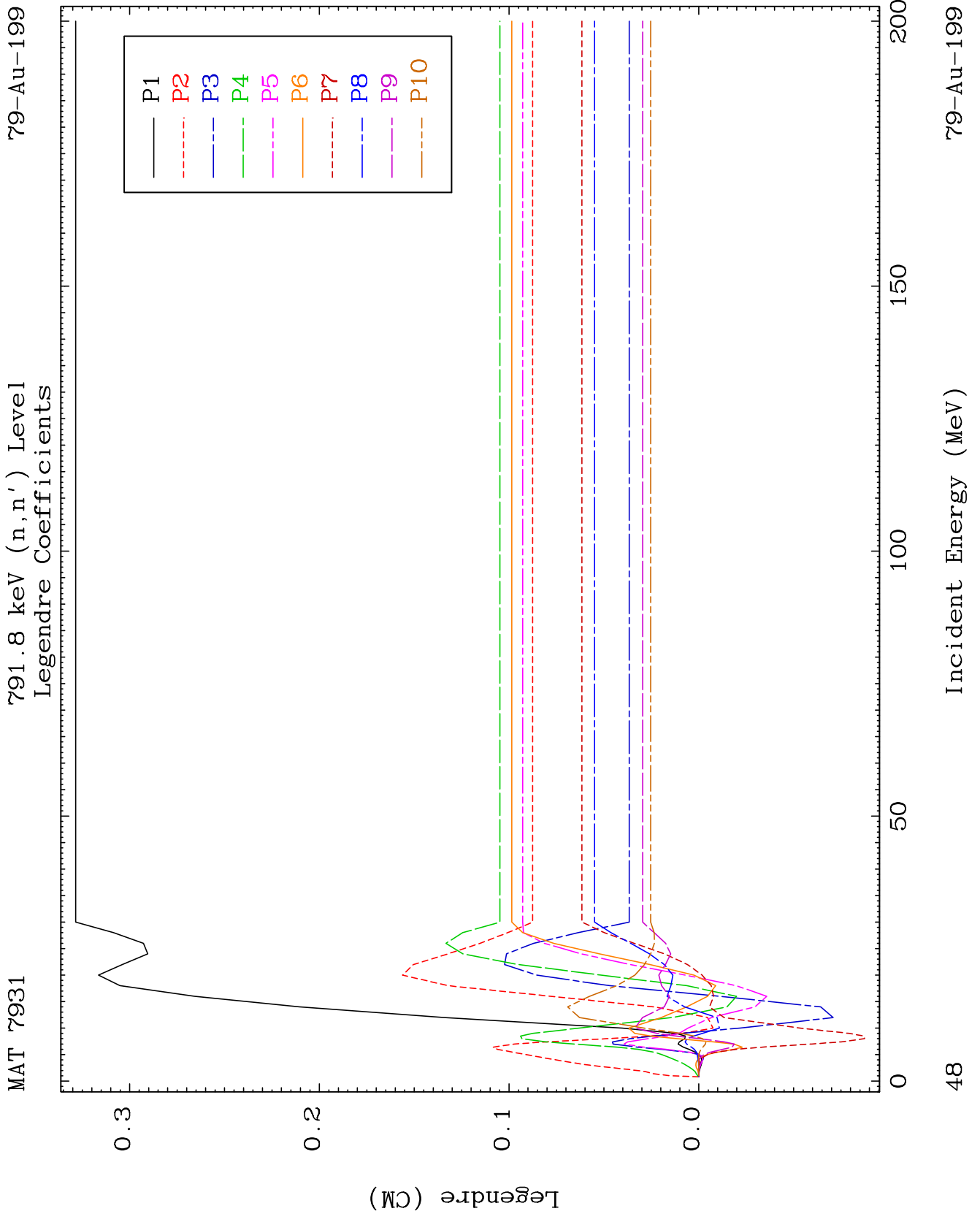


47

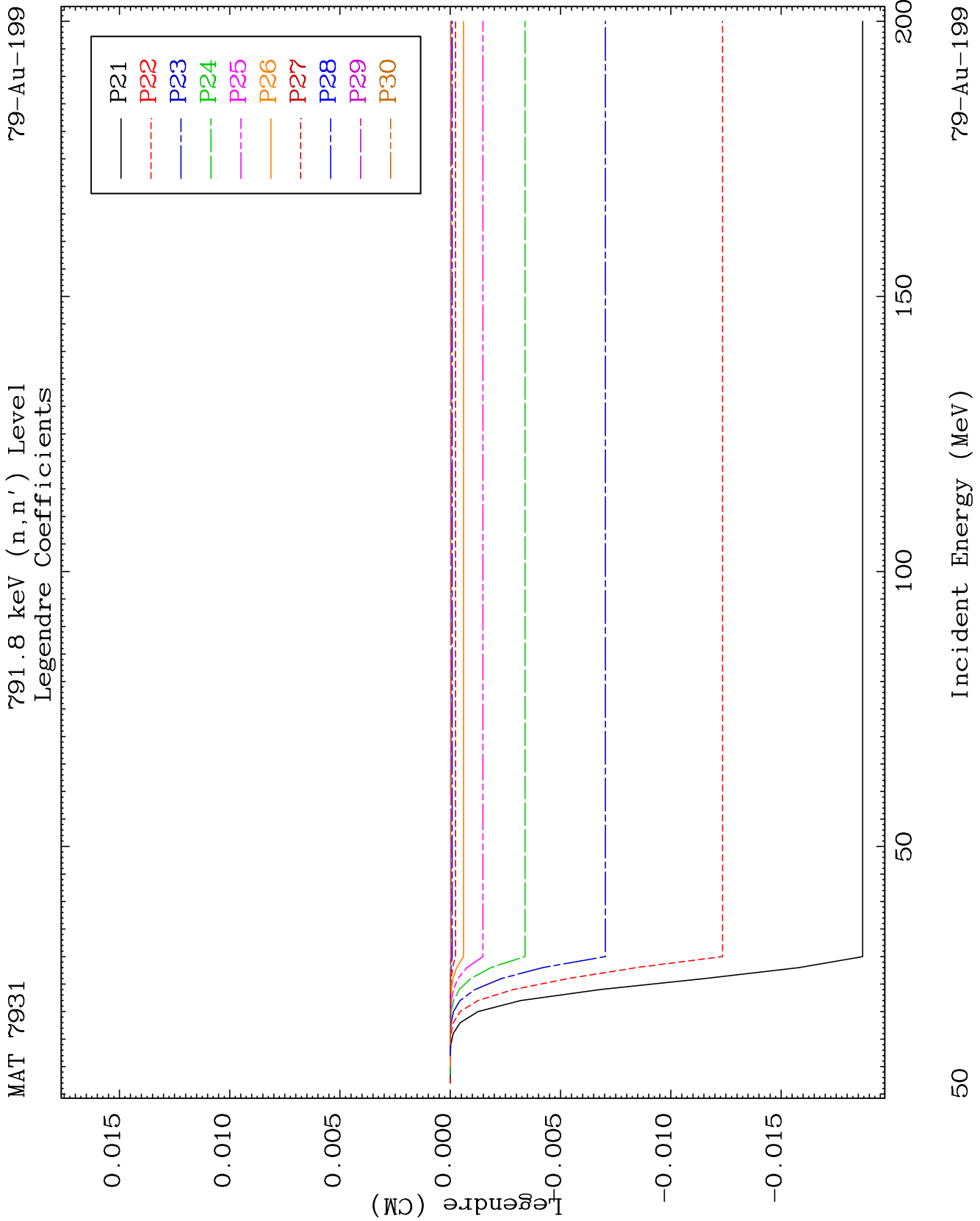
Incident Energy (MeV)

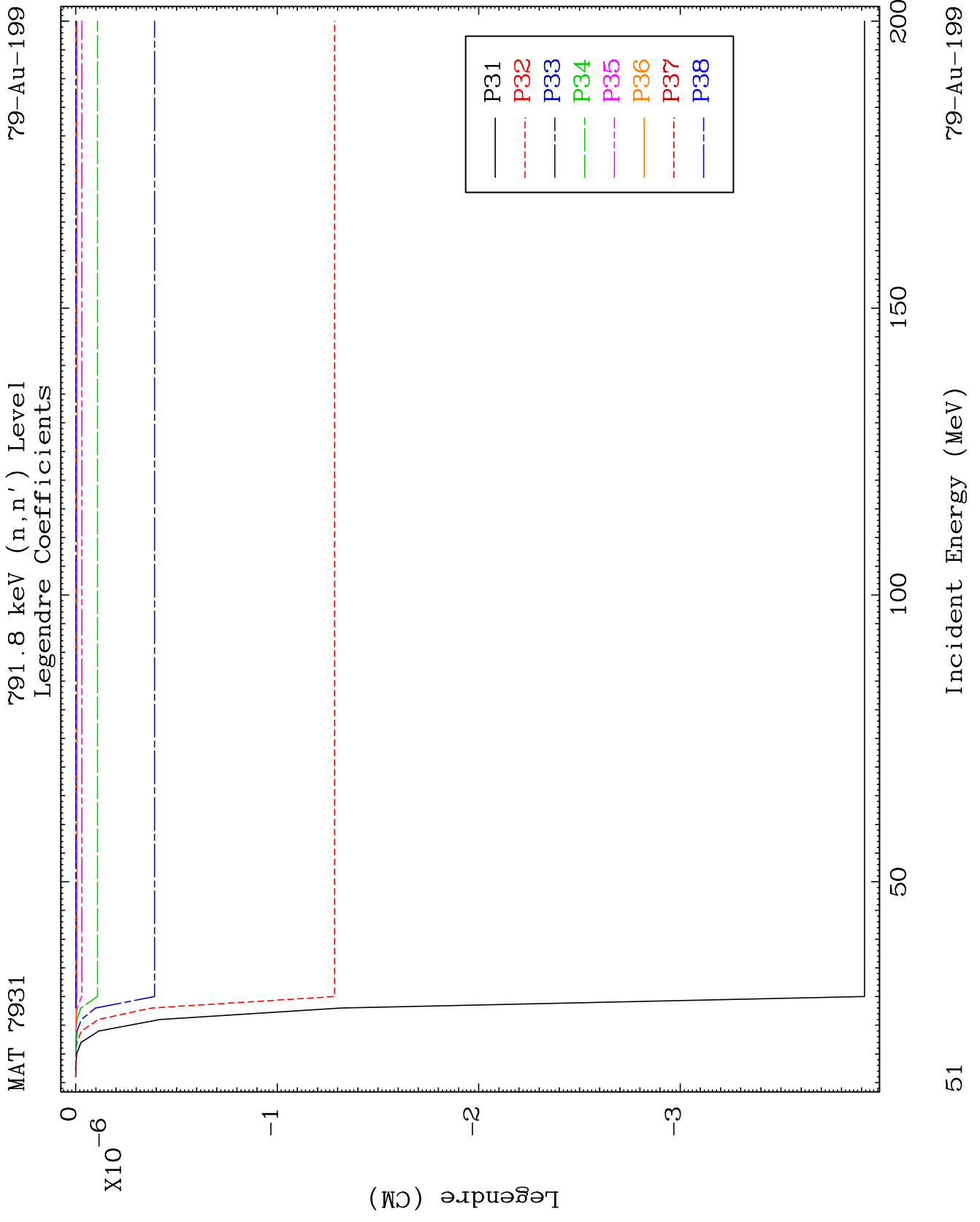
79-Au-199







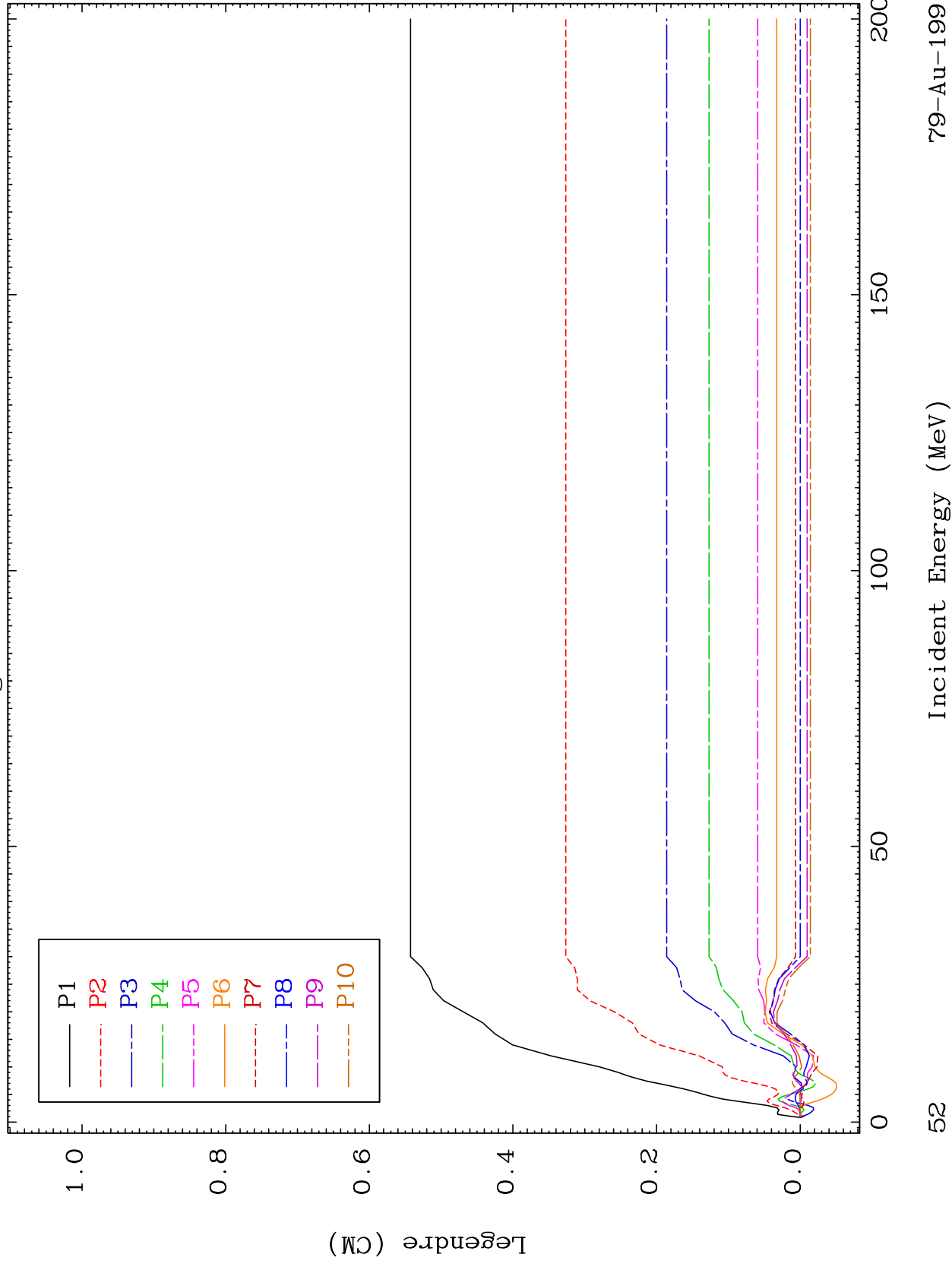




MAT 7931

822.5 keV (n,n') Level  
Legendre Coefficients

79-Au-199



79-Au-199

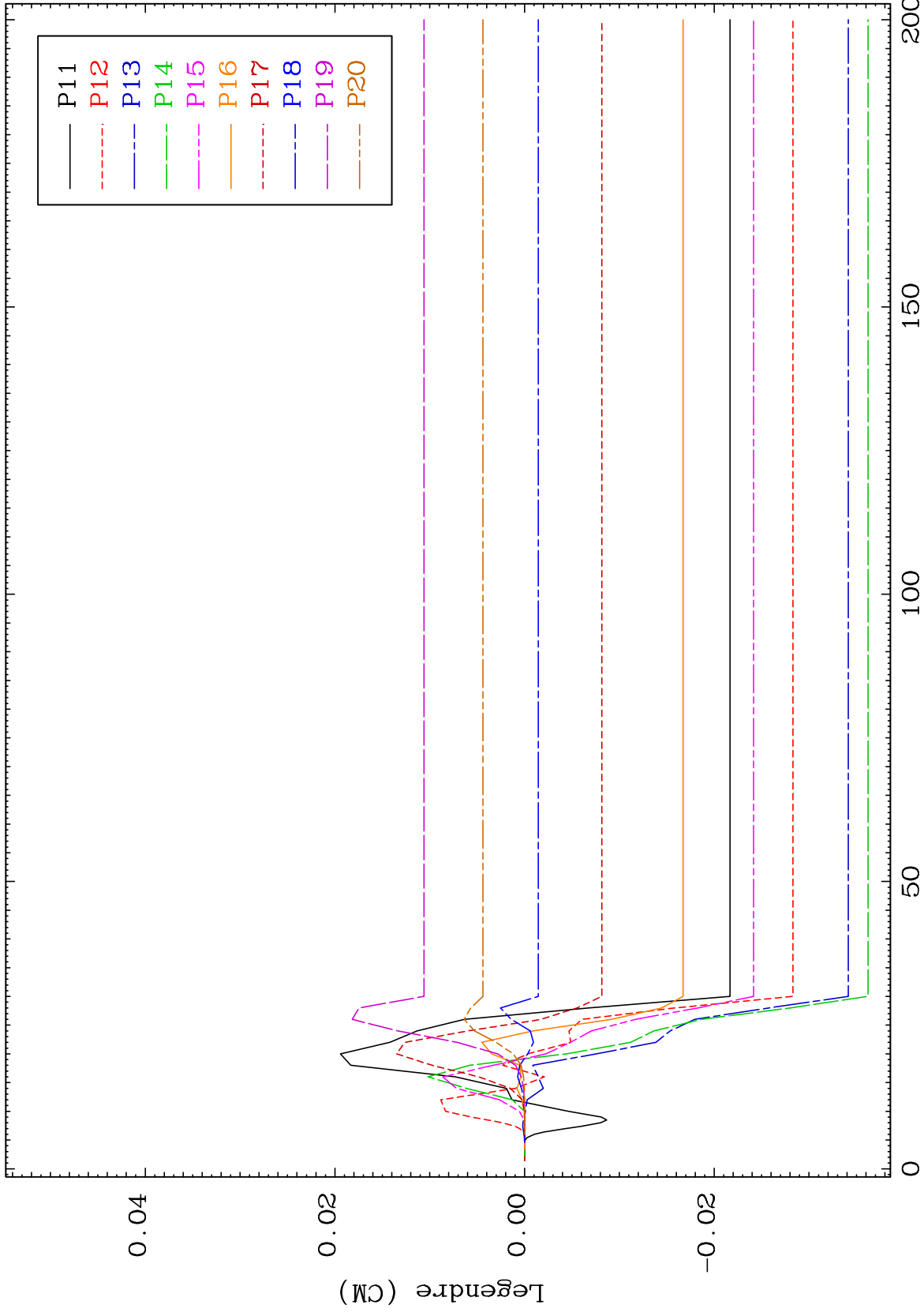
Incident Energy (MeV)

52

MAT 7931

822.5 keV (n,n') Level  
Legendre Coefficients

79-Au-199



53

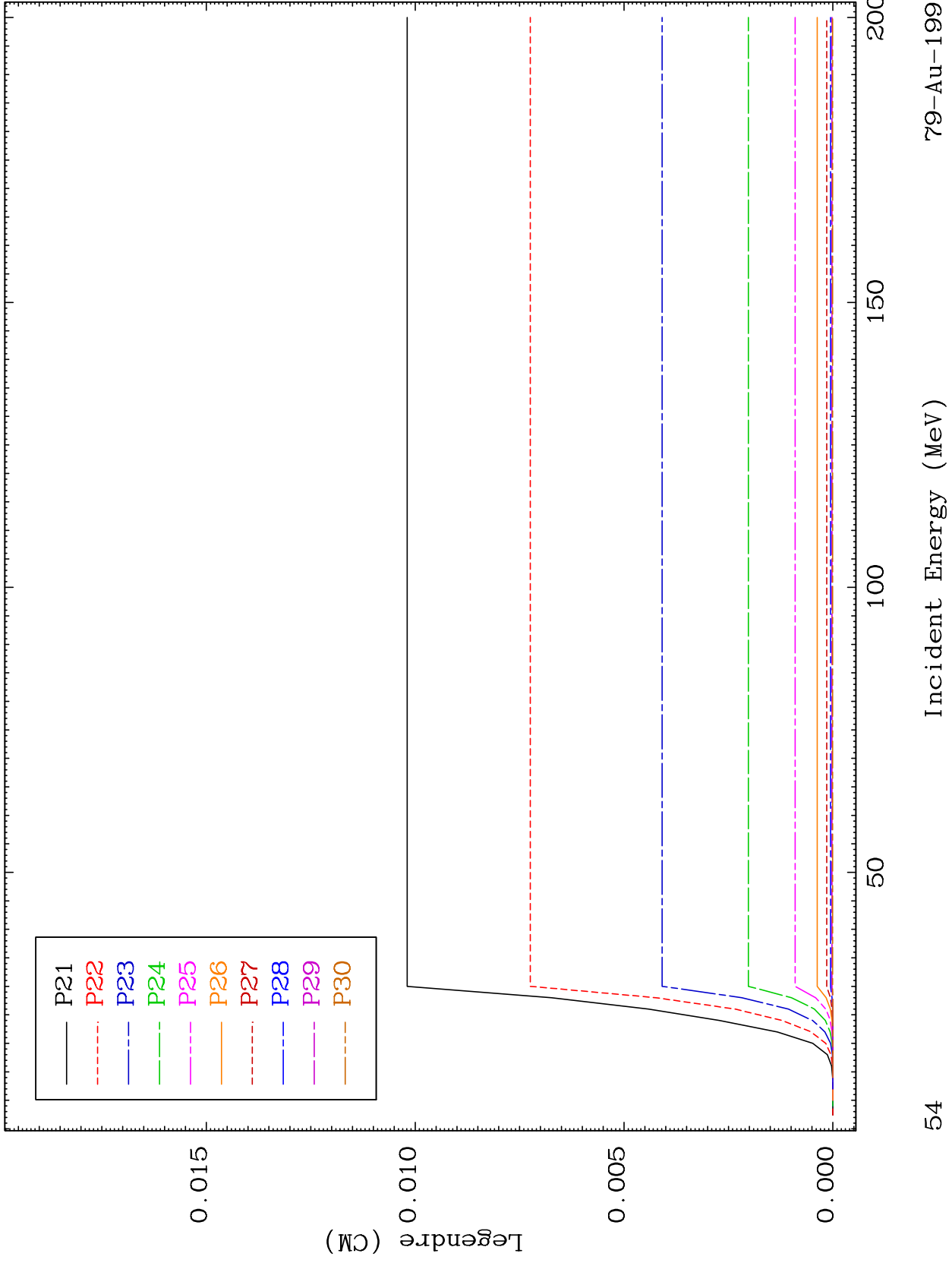
Incident Energy (MeV)

79-Au-199

MAT 7931

822.5 keV (n,n') Level  
Legendre Coefficients

79-Au-199



54

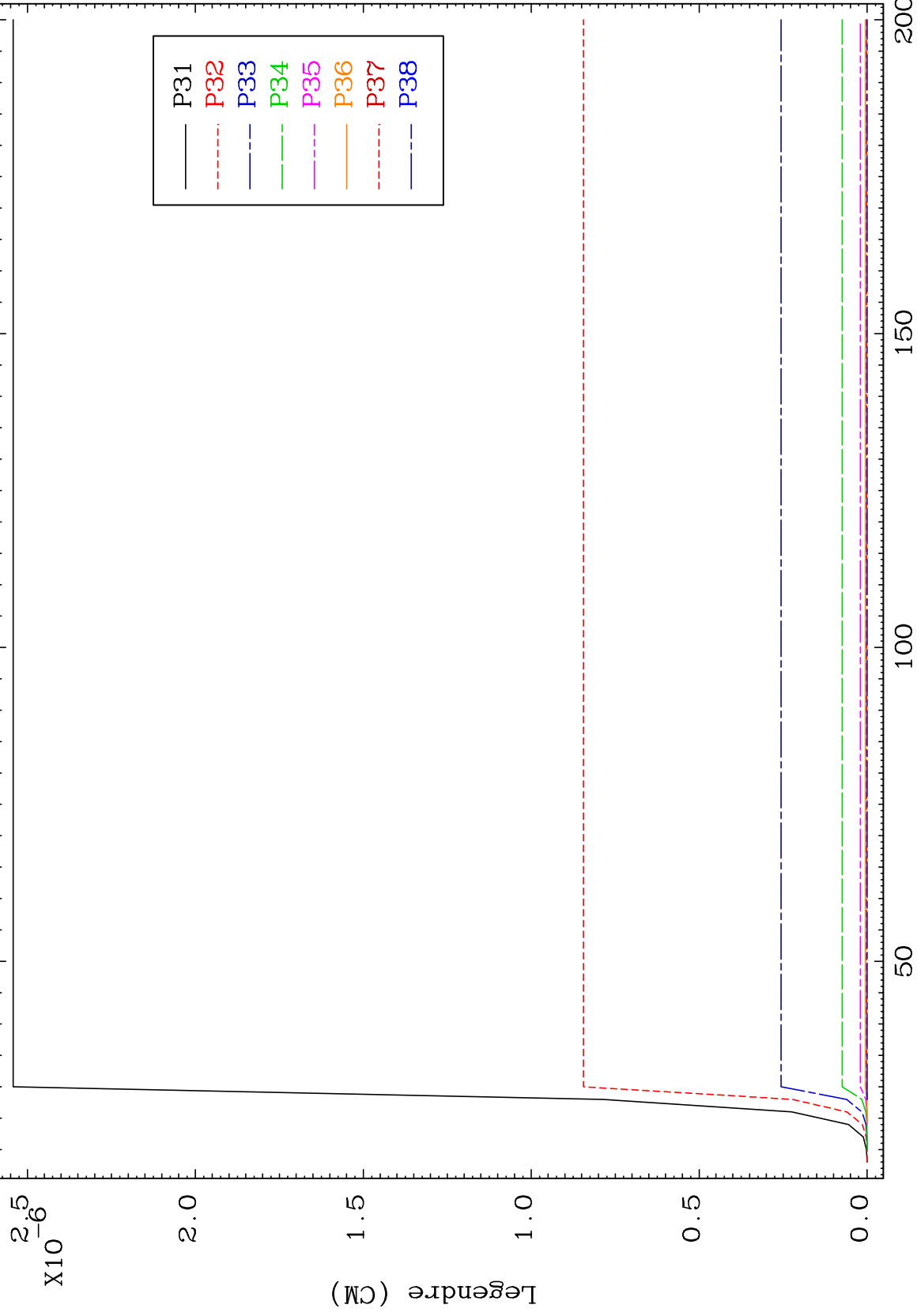
Incident Energy (MeV)

79-Au-199

MAT 7931

822.5 keV (n,n') Level  
Legendre Coefficients

79-Au-199



55

Incident Energy (MeV)

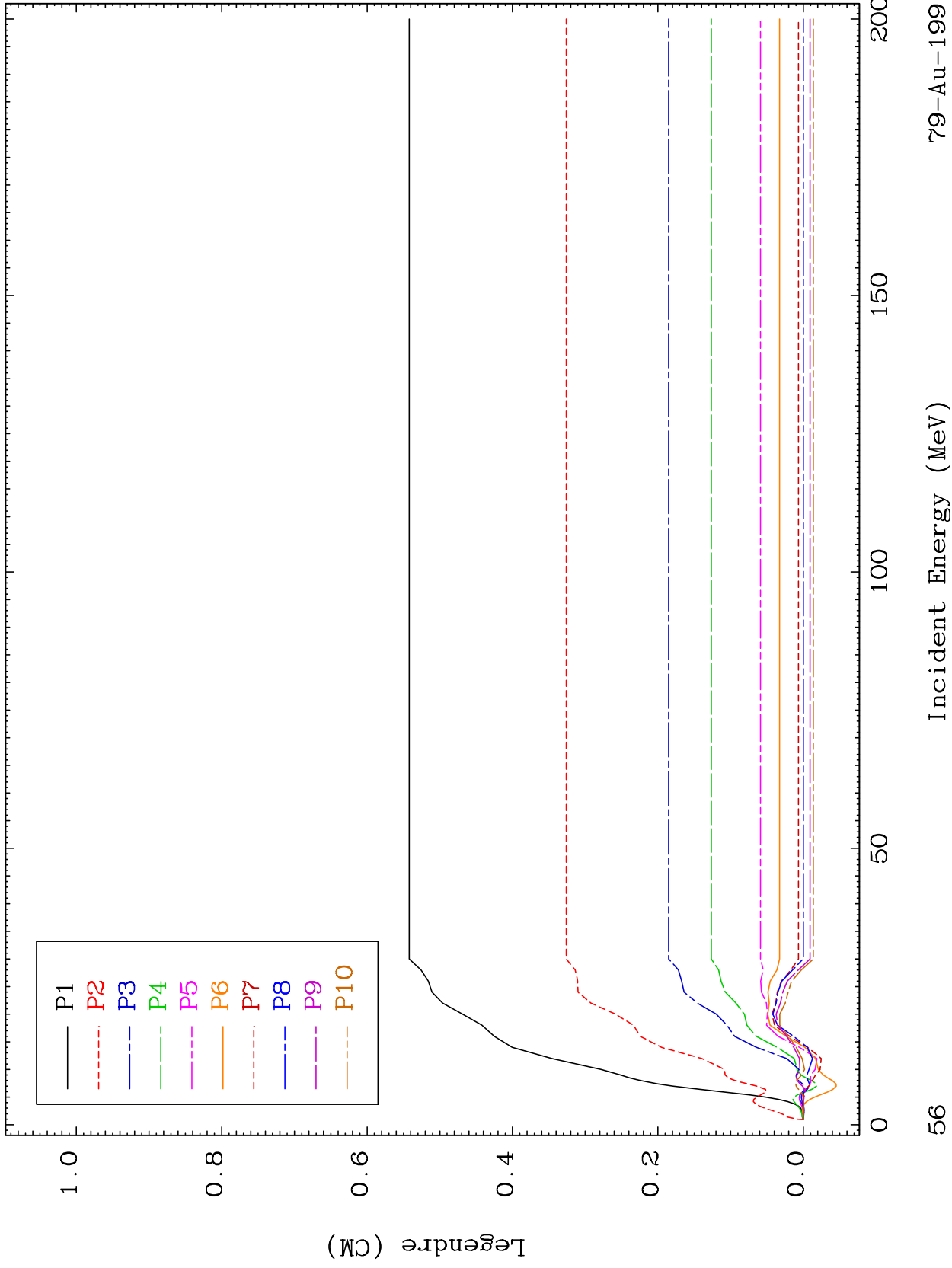
79-Au-199



MAT 7931

907.3 keV (n,n') Level  
Legendre Coefficients

79-Au-199



79-Au-199

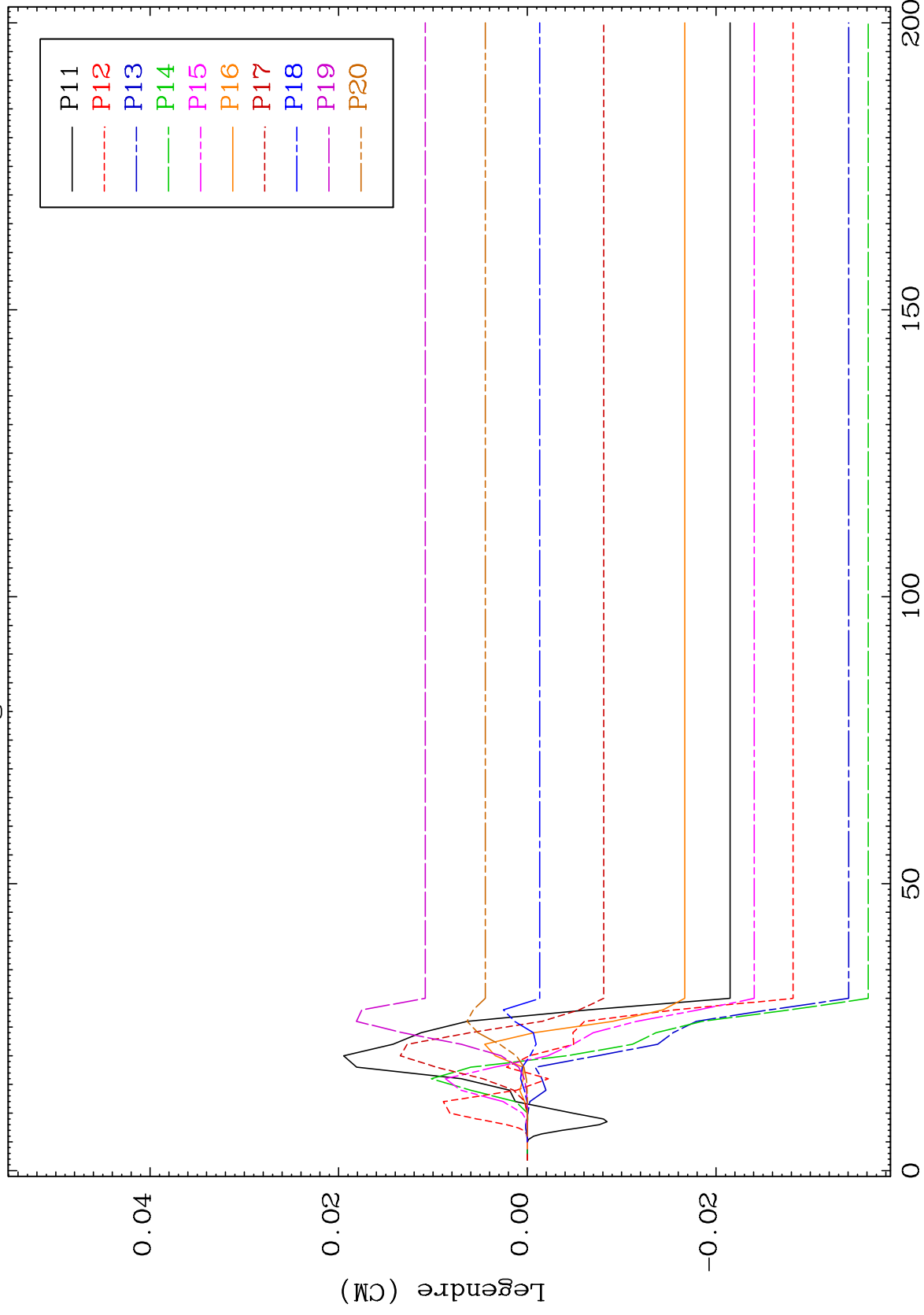
Incident Energy (MeV)

56

MAT 7931

907.3 keV (n, n') Level  
Legendre Coefficients

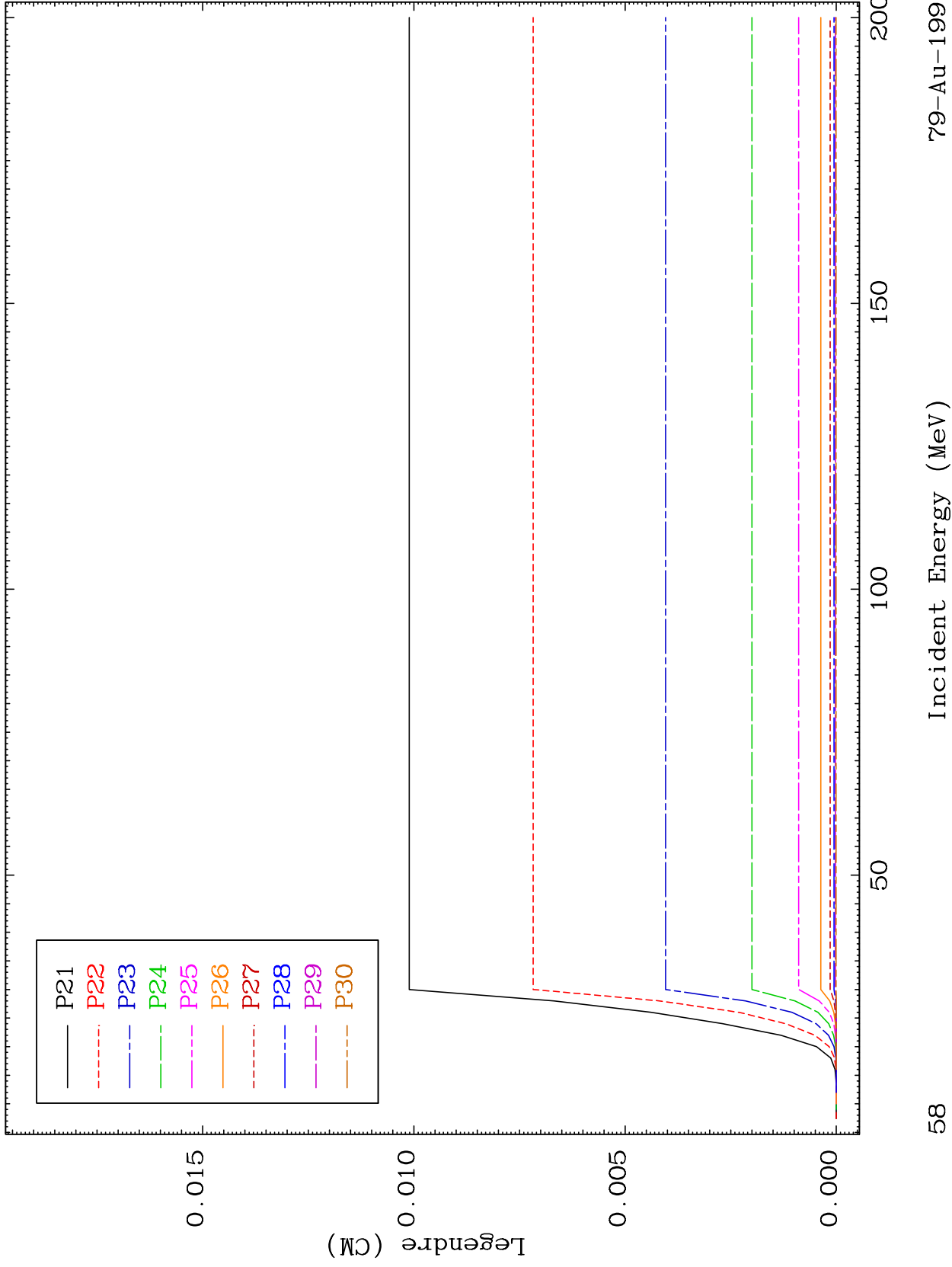
79-Au-199

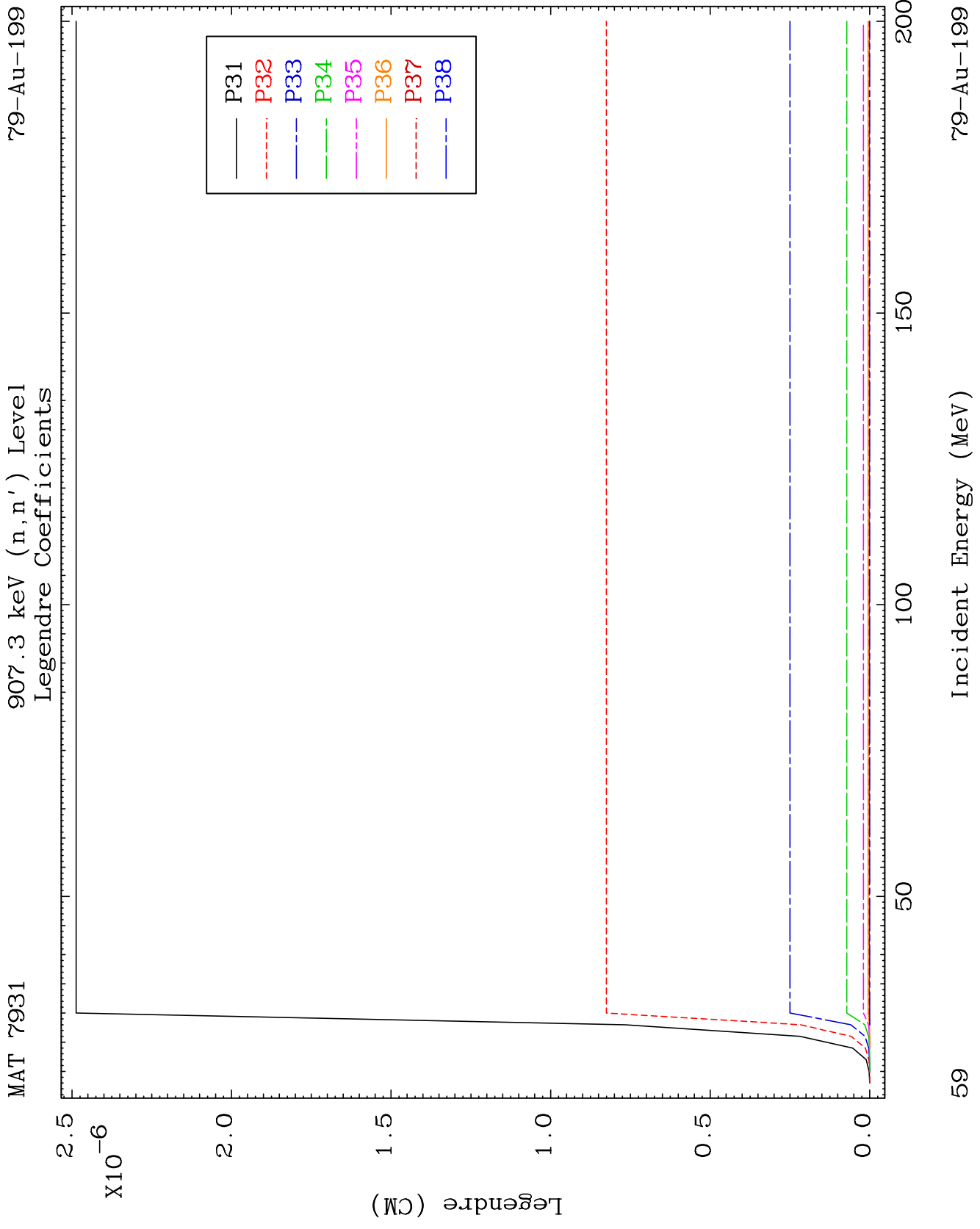


57

Incident Energy (MeV)

79-Au-199

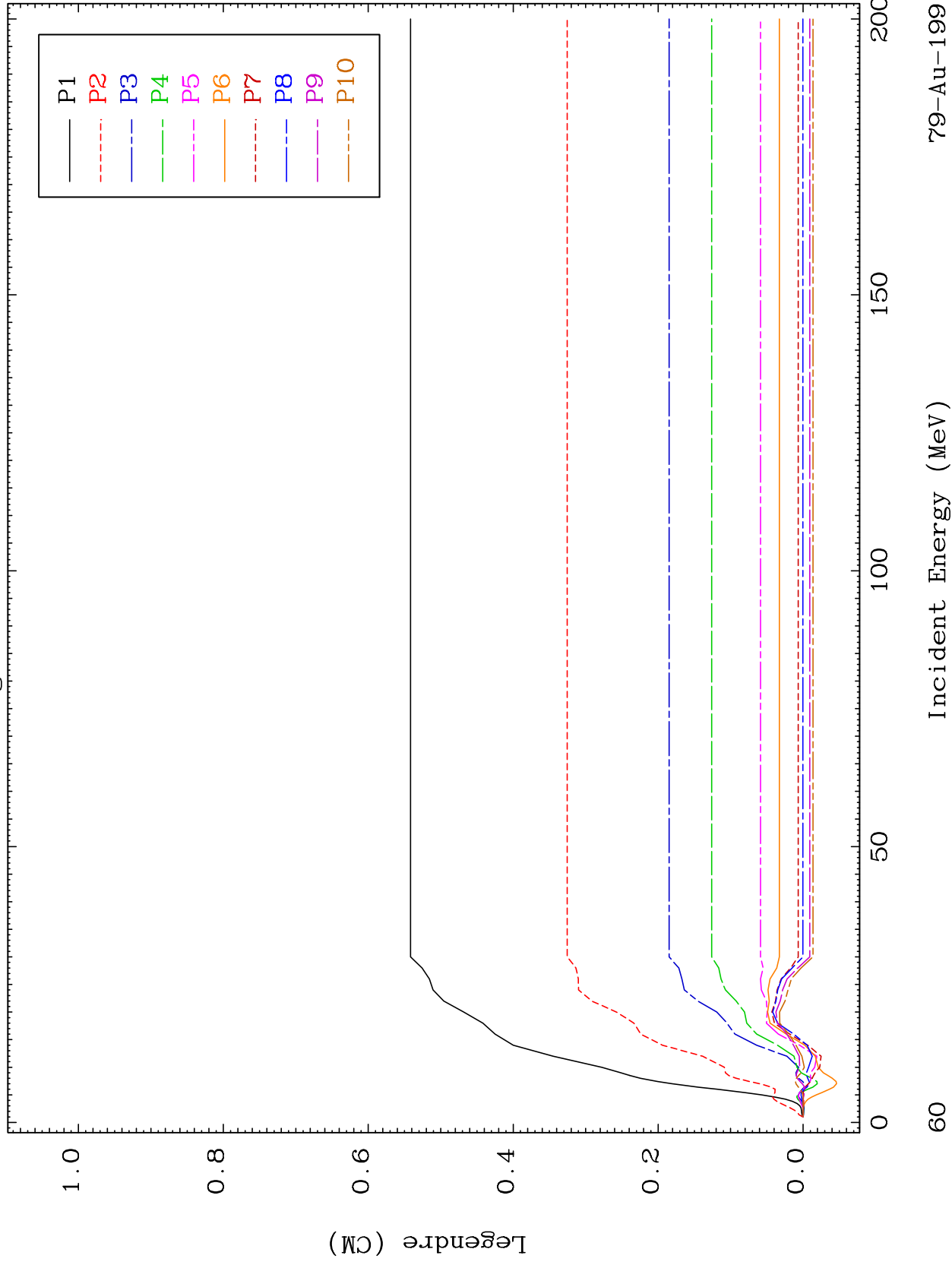




MAT 7931

968.3 keV (n,n') Level  
Legendre Coefficients

79-Au-199



79-Au-199

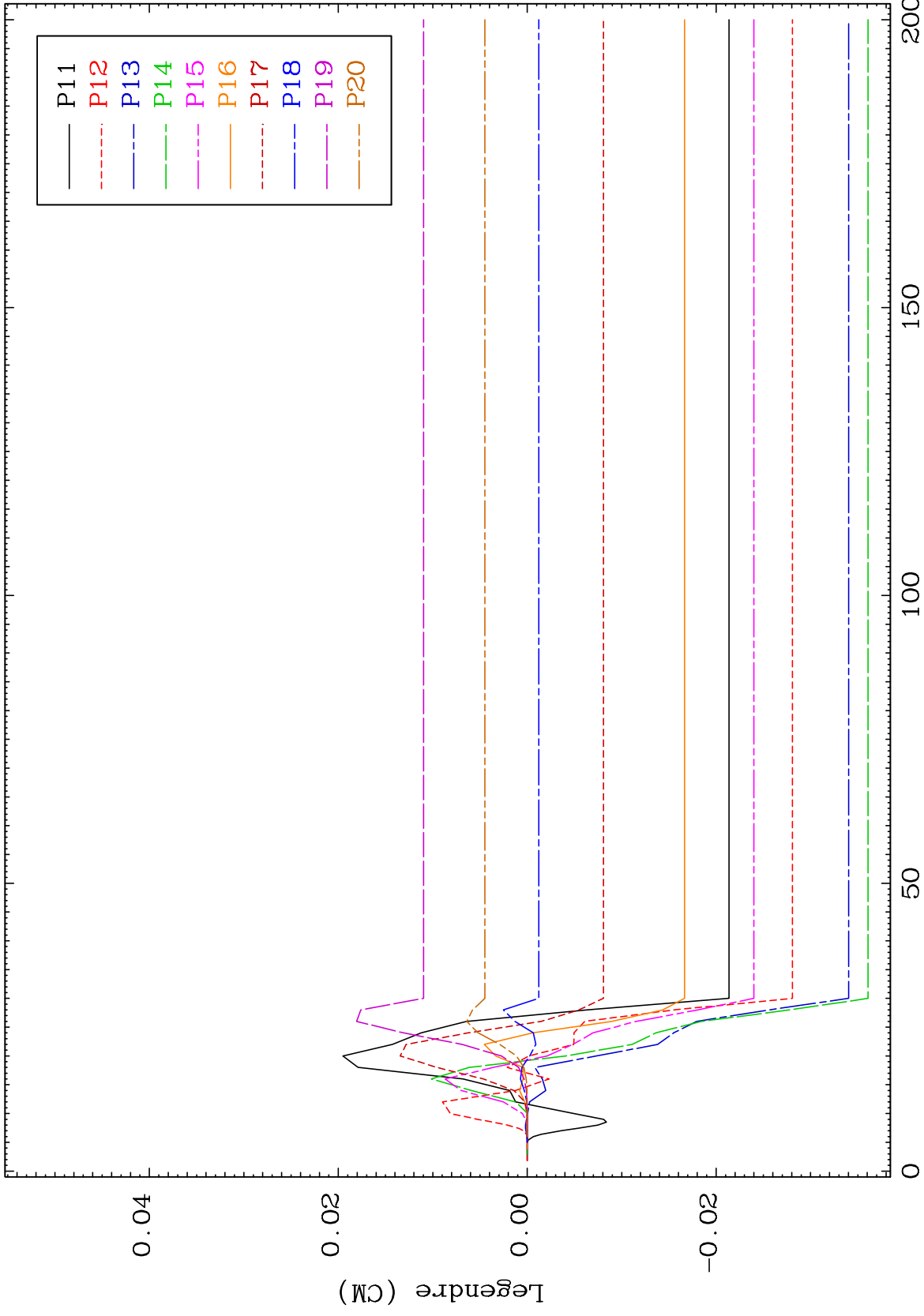
Incident Energy (MeV)

60

MAT 7931

968.3 keV (n, n') Level  
Legendre Coefficients

79-Au-199



61

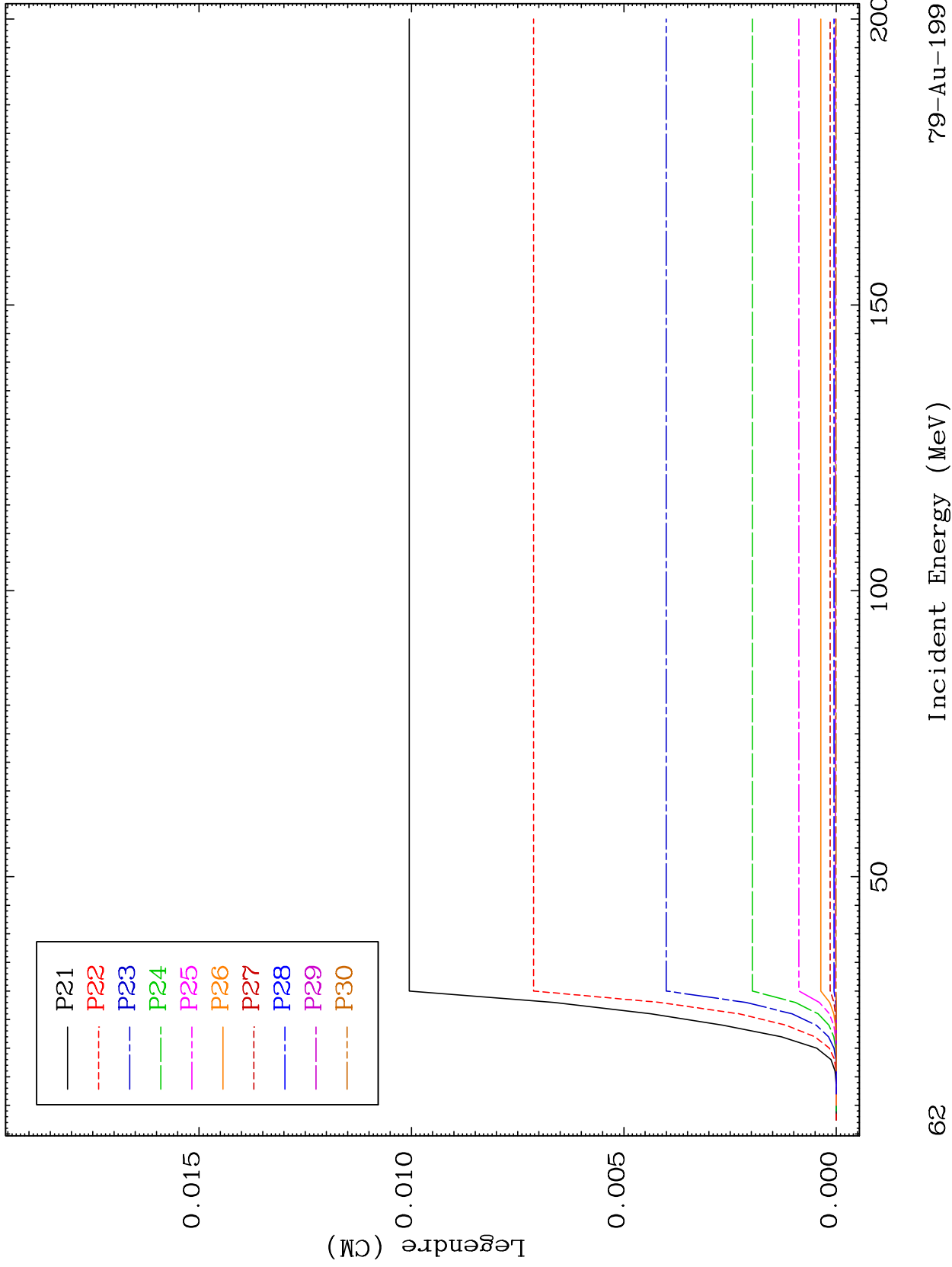
Incident Energy (MeV)

79-Au-199

MAT 7931

968.3 keV (n,n') Level  
Legendre Coefficients

79-Au-199



62

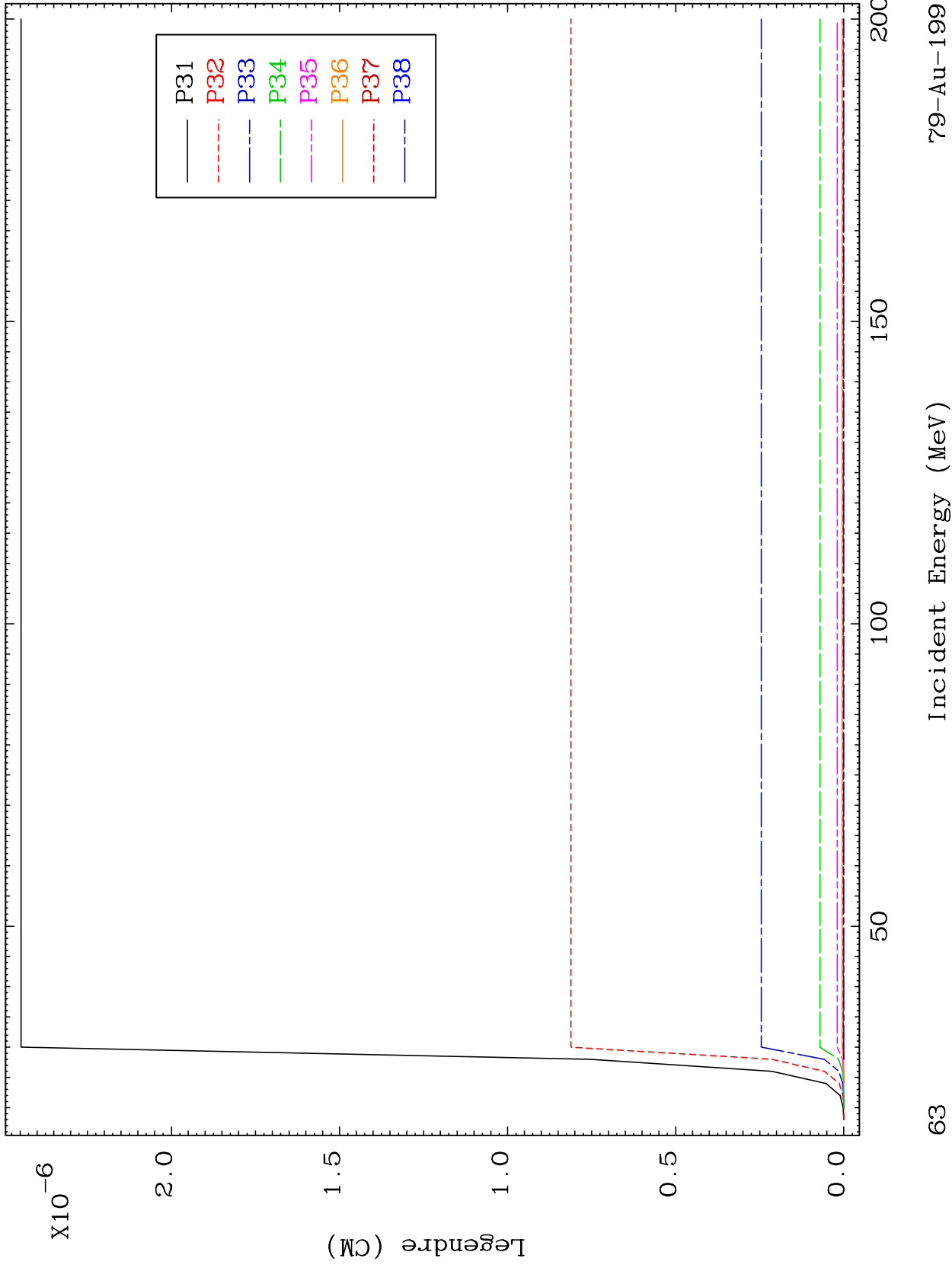
Incident Energy (MeV)

79-Au-199

MAT 7931

968.3 keV (n, n') Level  
Legendre Coefficients

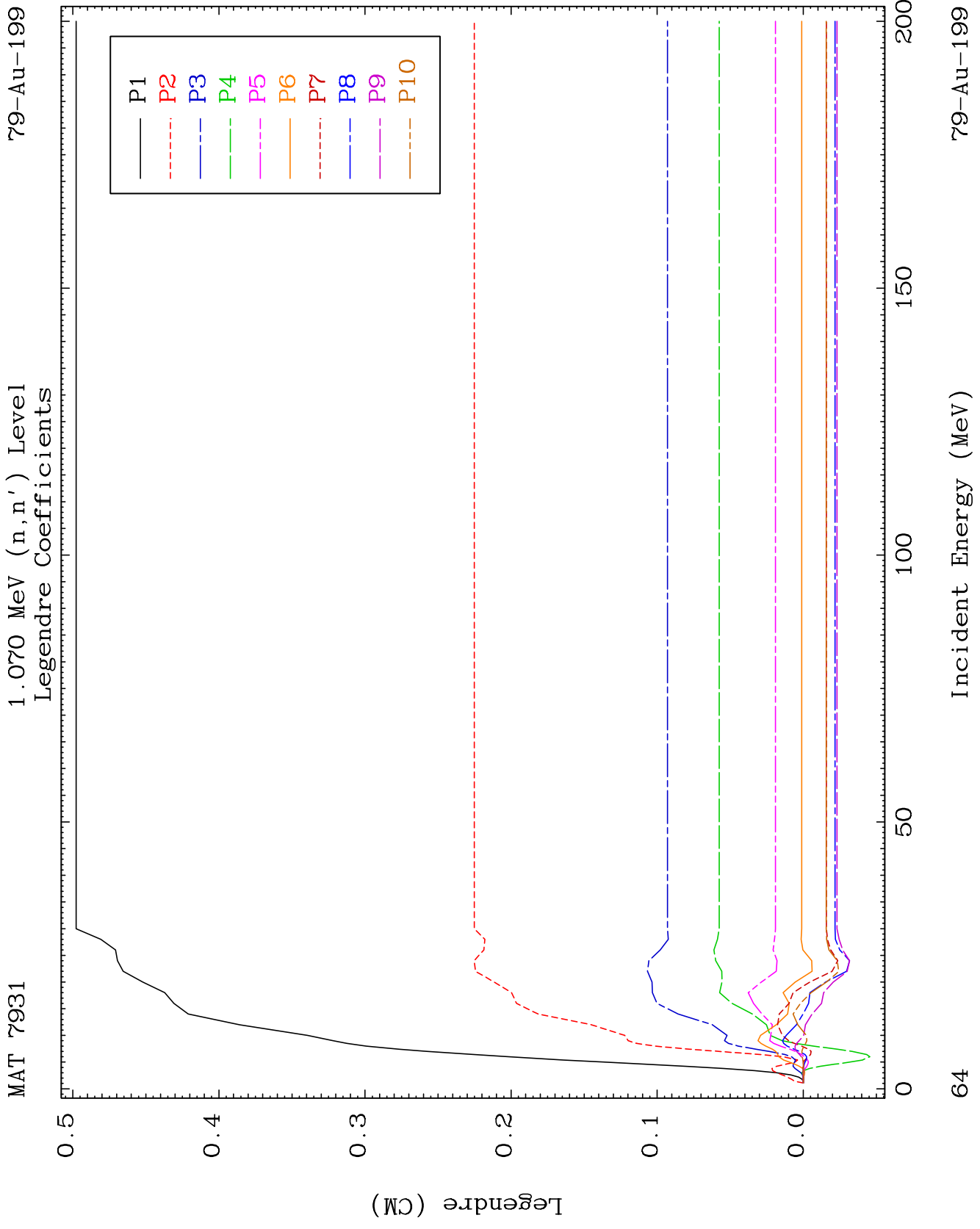
79-Au-199



63

79-Au-199

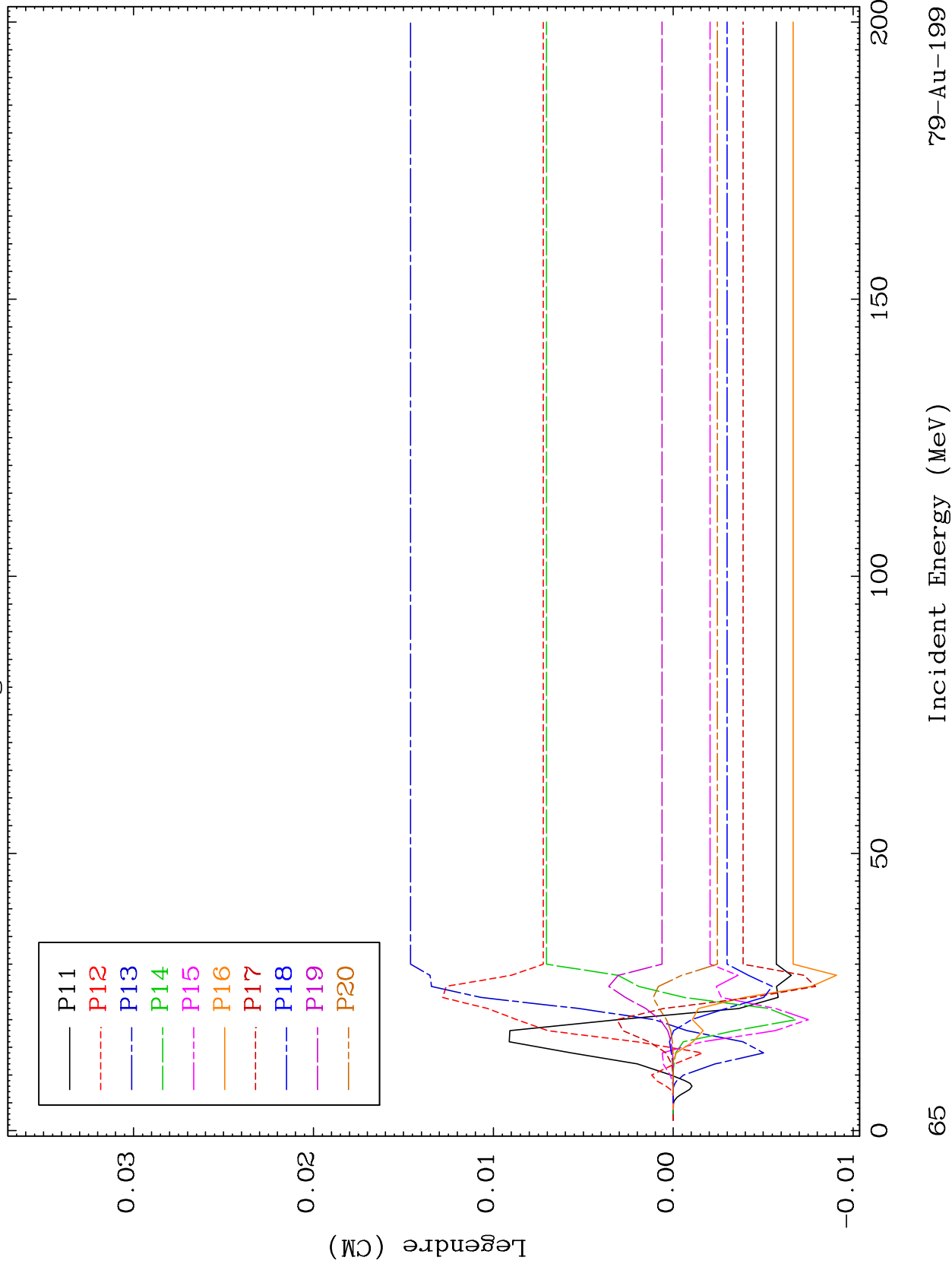




MAT 7931

1.070 MeV (n,n') Level  
Legendre Coefficients

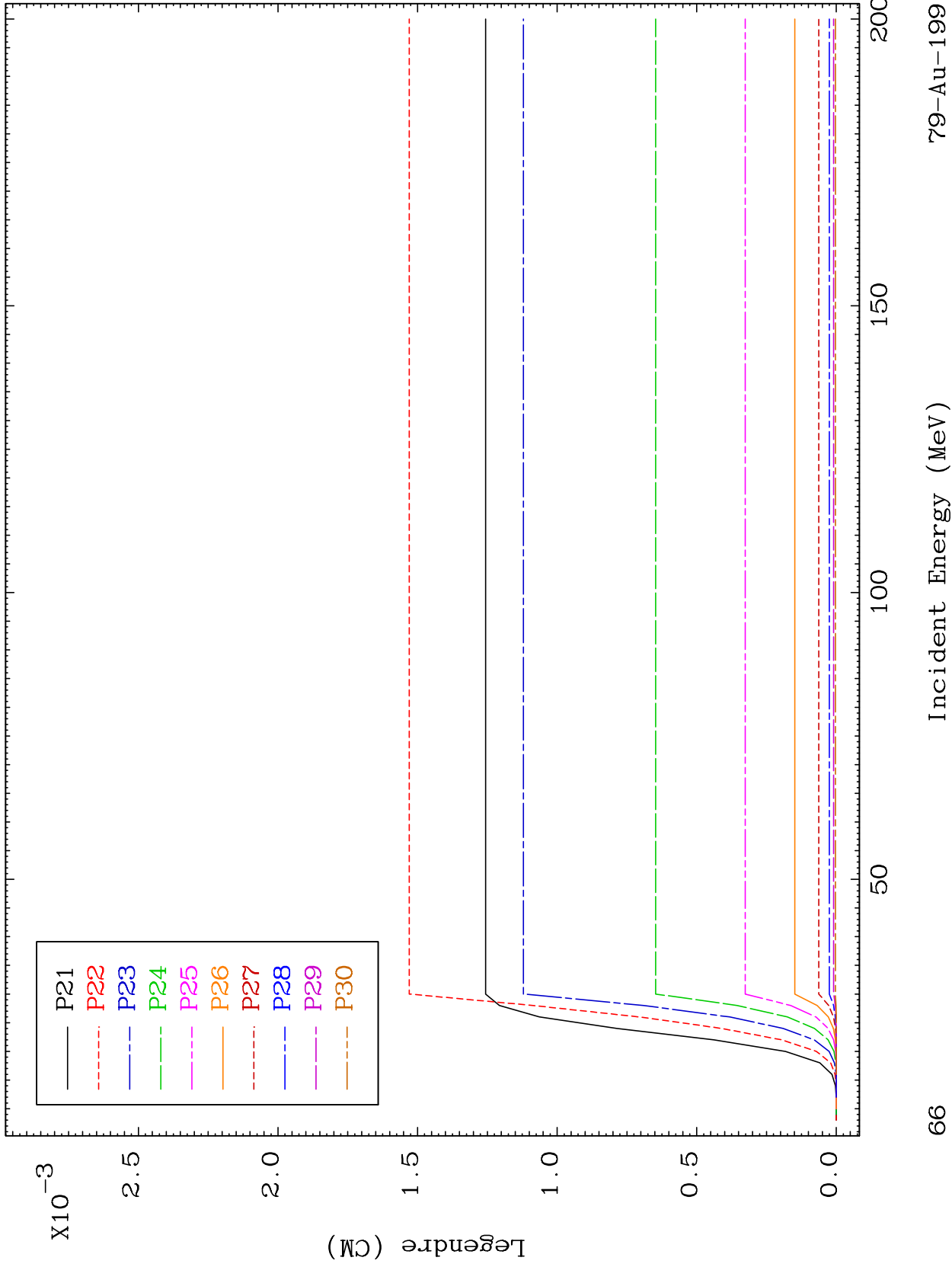
79-Au-199

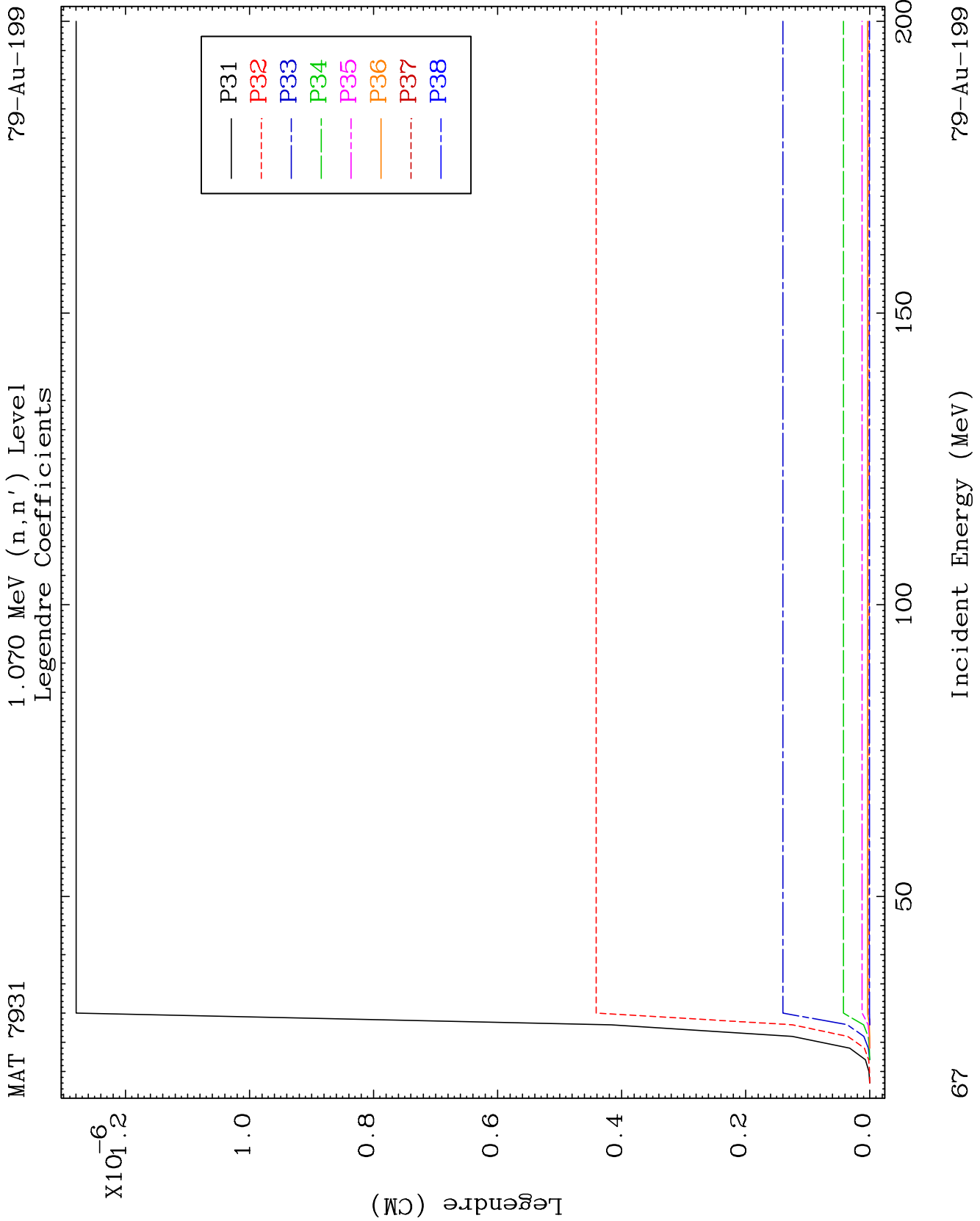


79-Au-199

Incident Energy (MeV)

65

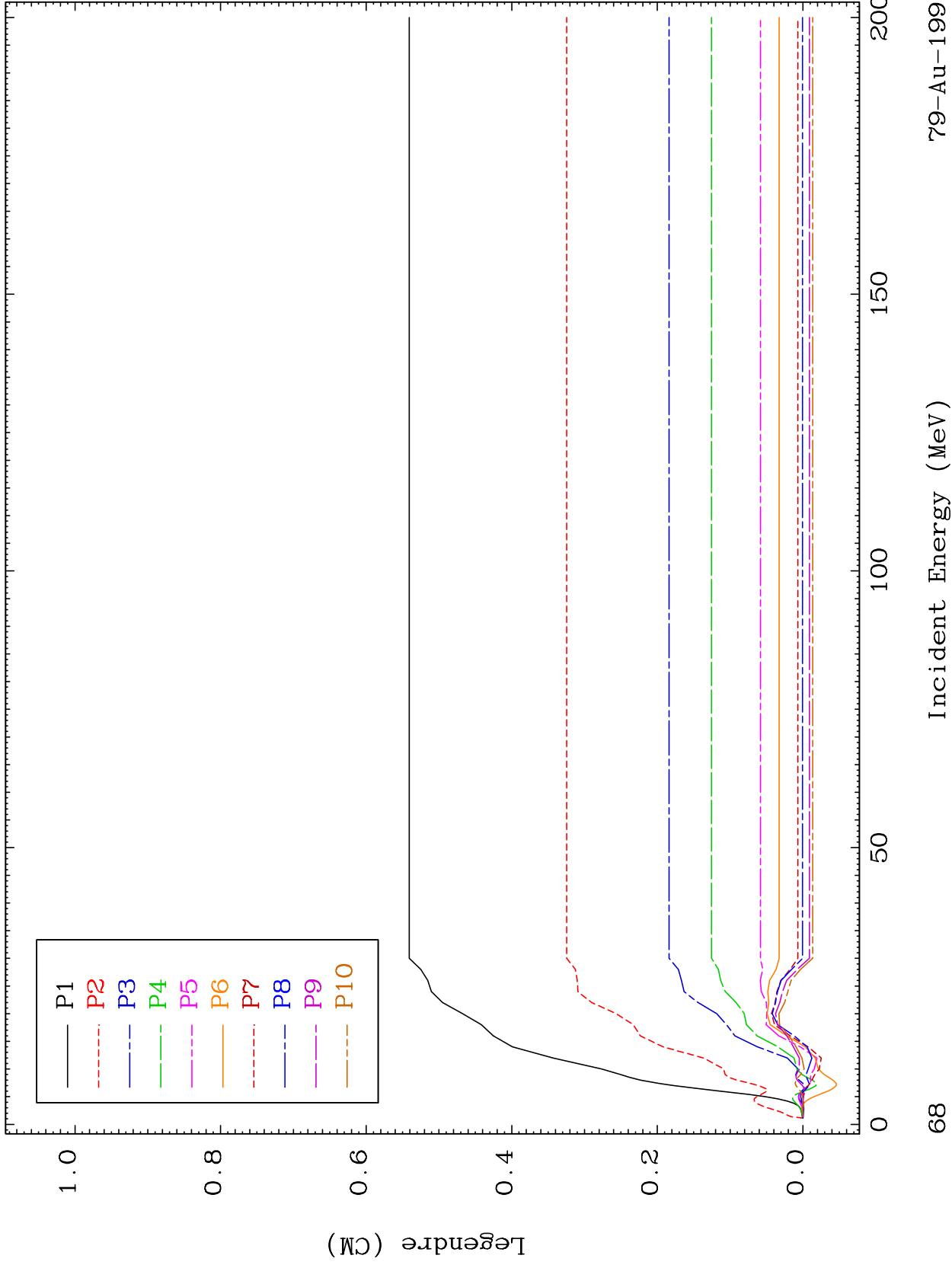




MAT 7931

1.104 MeV (n,n') Level  
Legendre Coefficients

79-Au-199



79-Au-199

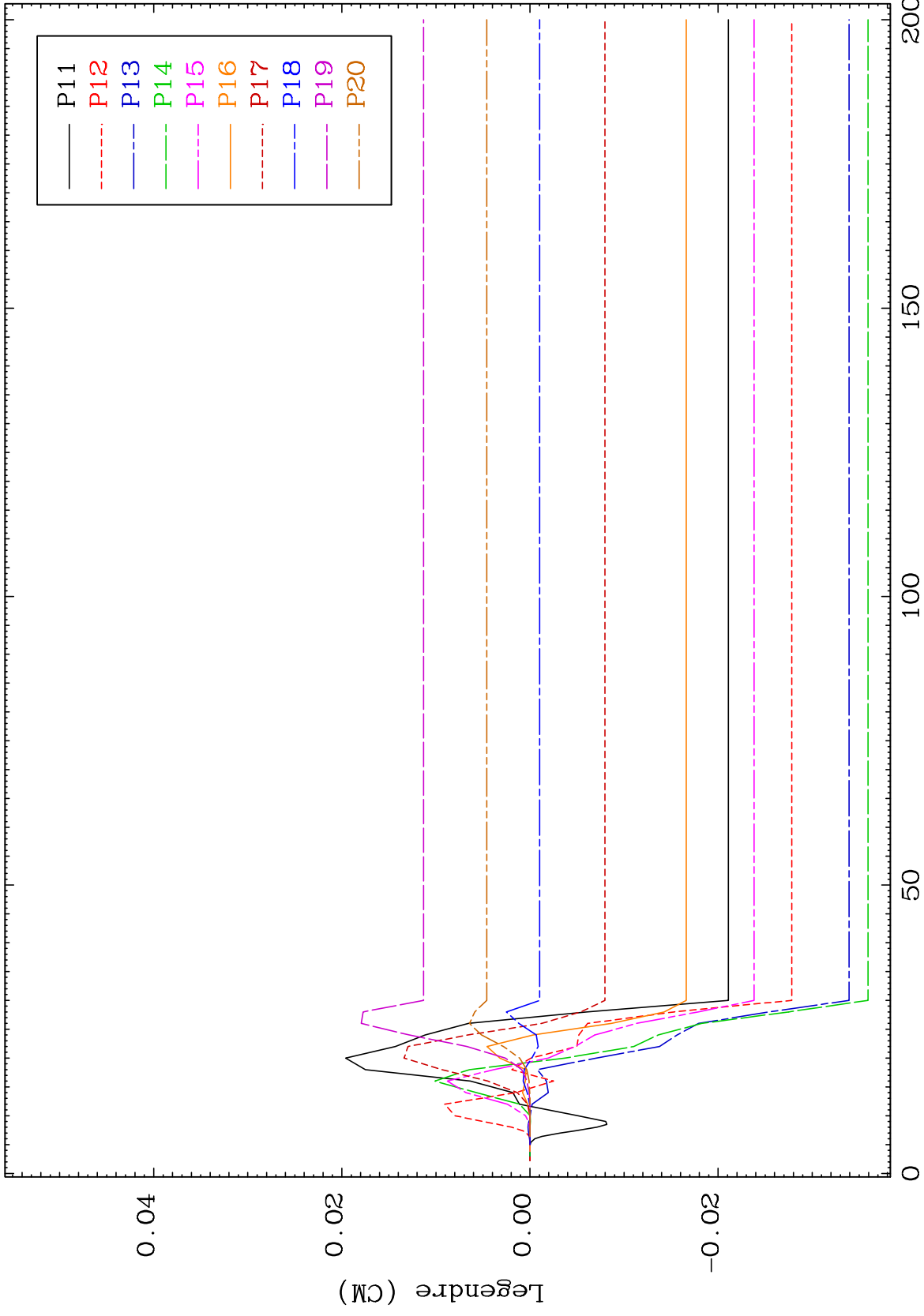
Incident Energy (MeV)

68

MAT 7931

1.104 MeV (n,n') Level  
Legendre Coefficients

79-Au-199



69

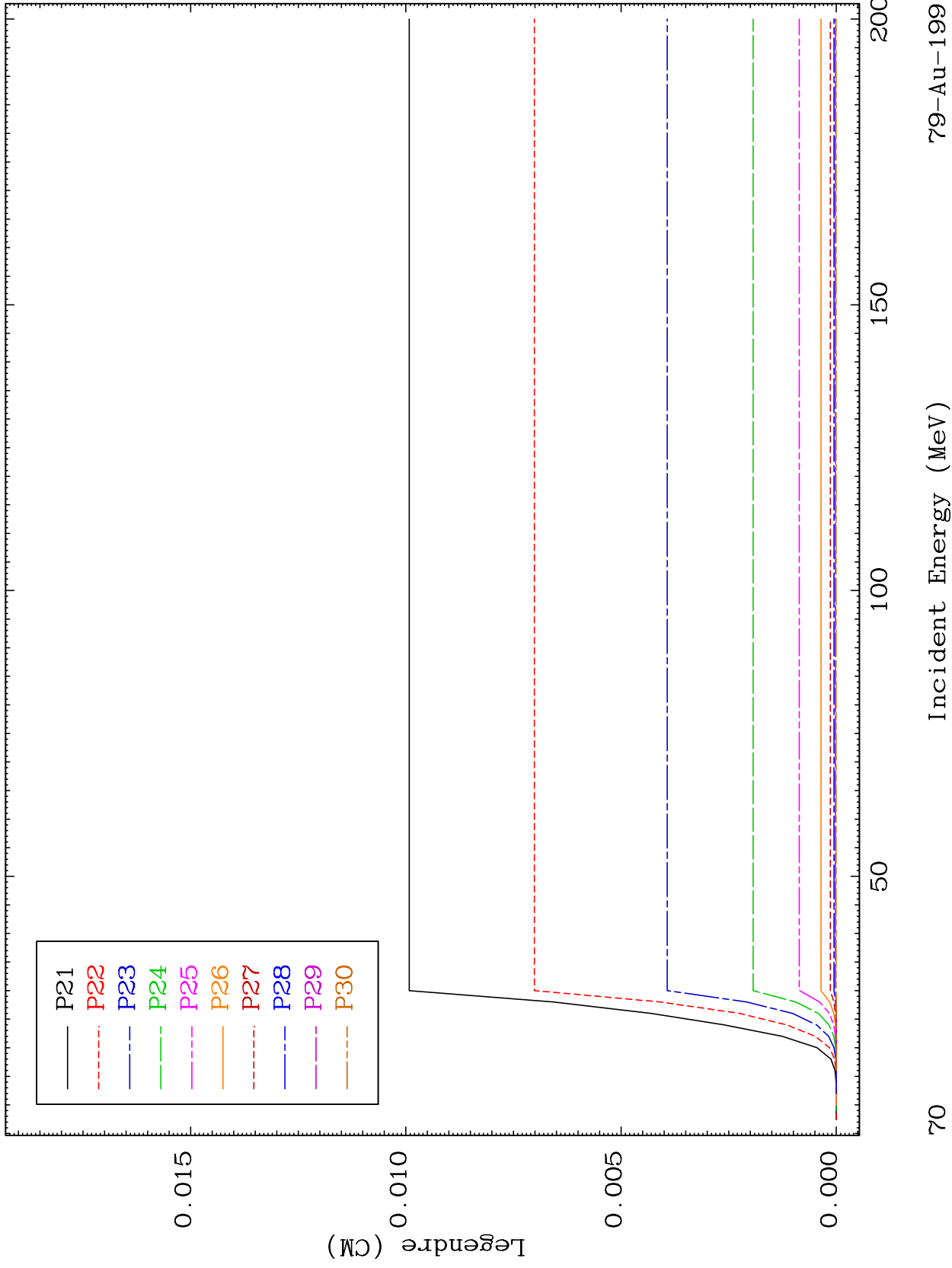
Incident Energy (MeV)

79-Au-199

MAT 7931

1.104 MeV (n,n') Level  
Legendre Coefficients

79-Au-199



70

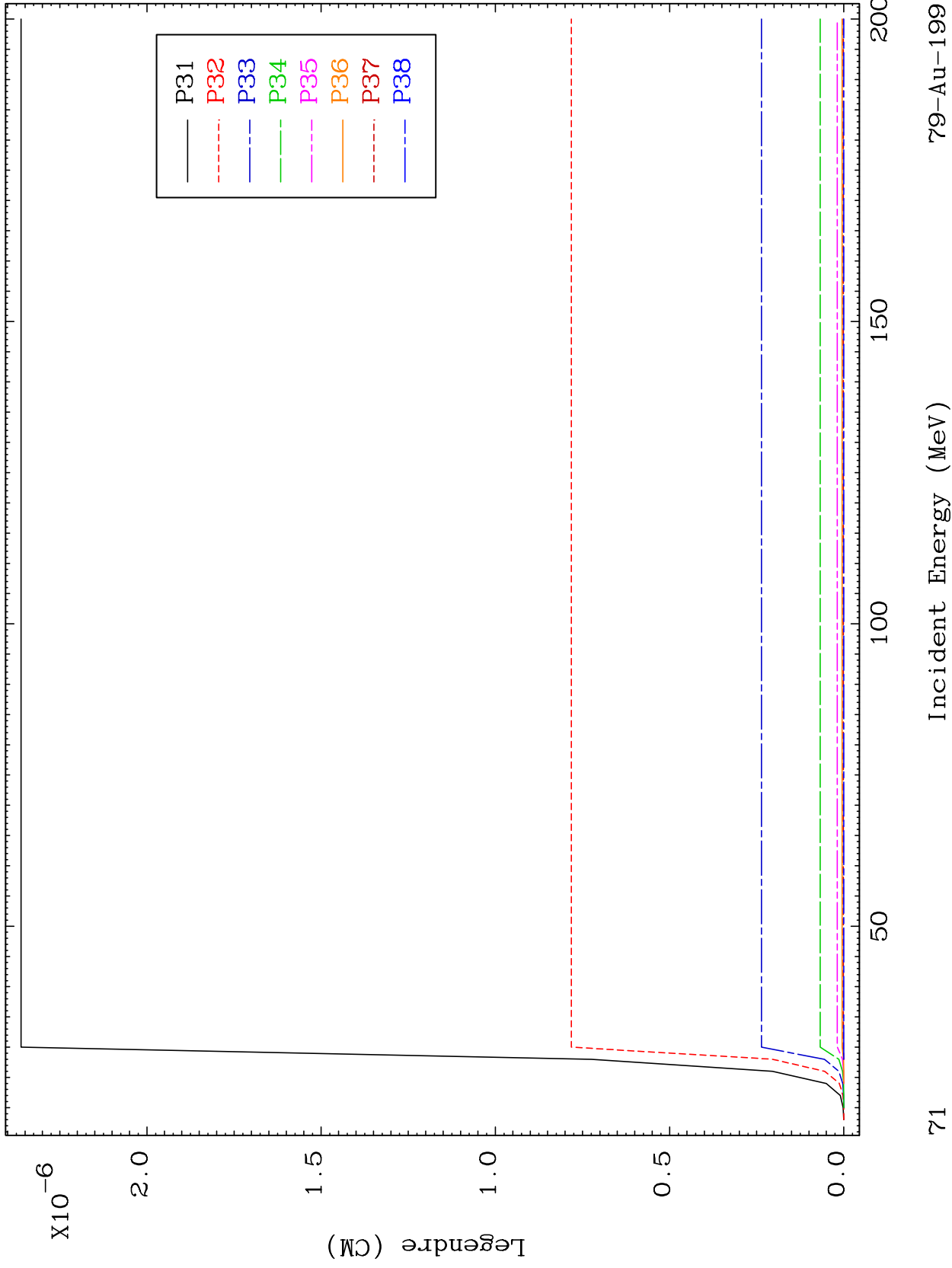
Incident Energy (MeV)

79-Au-199

MAT 7931

1.104 MeV (n,n') Level  
Legendre Coefficients

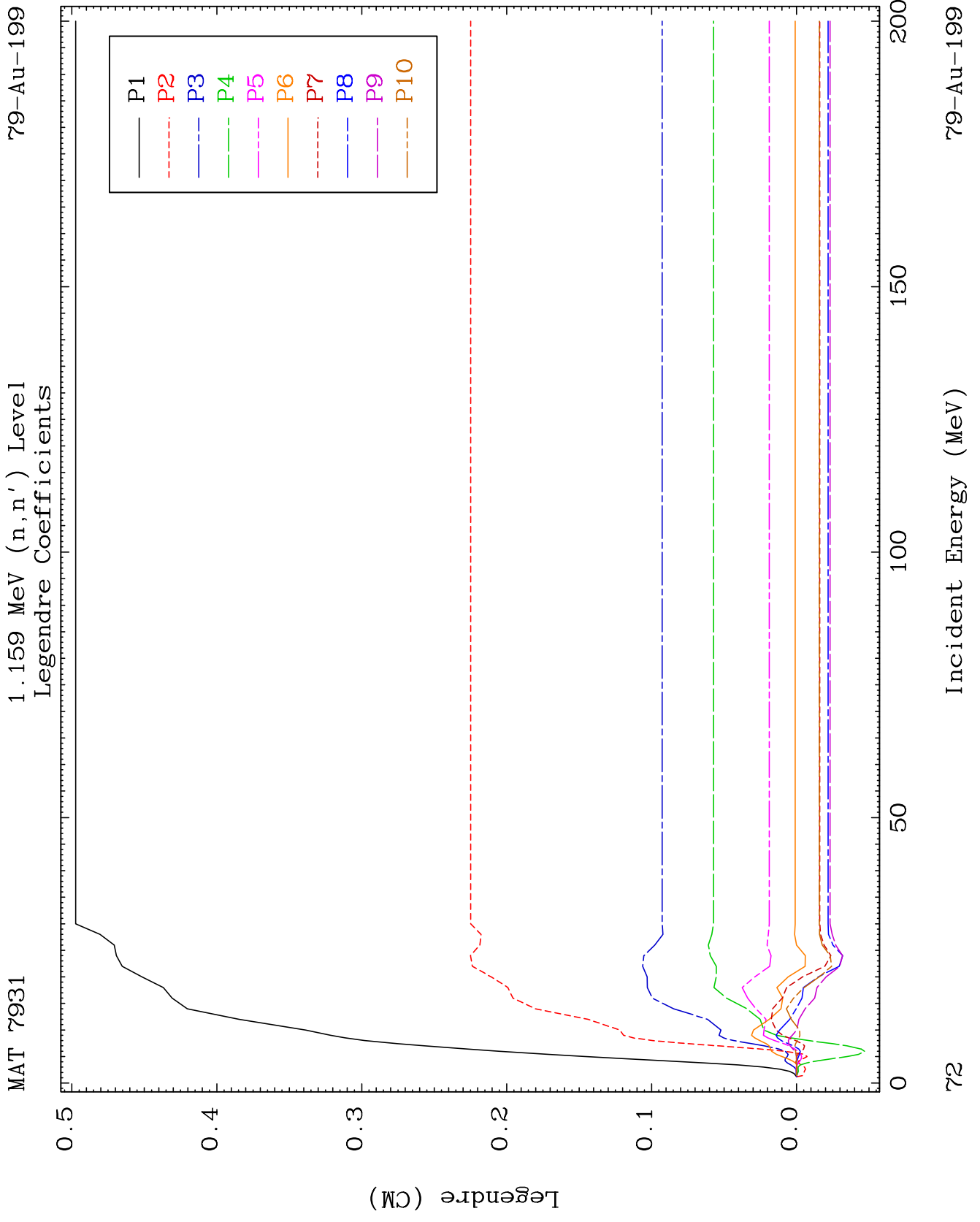
79-Au-199



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79-Au-199

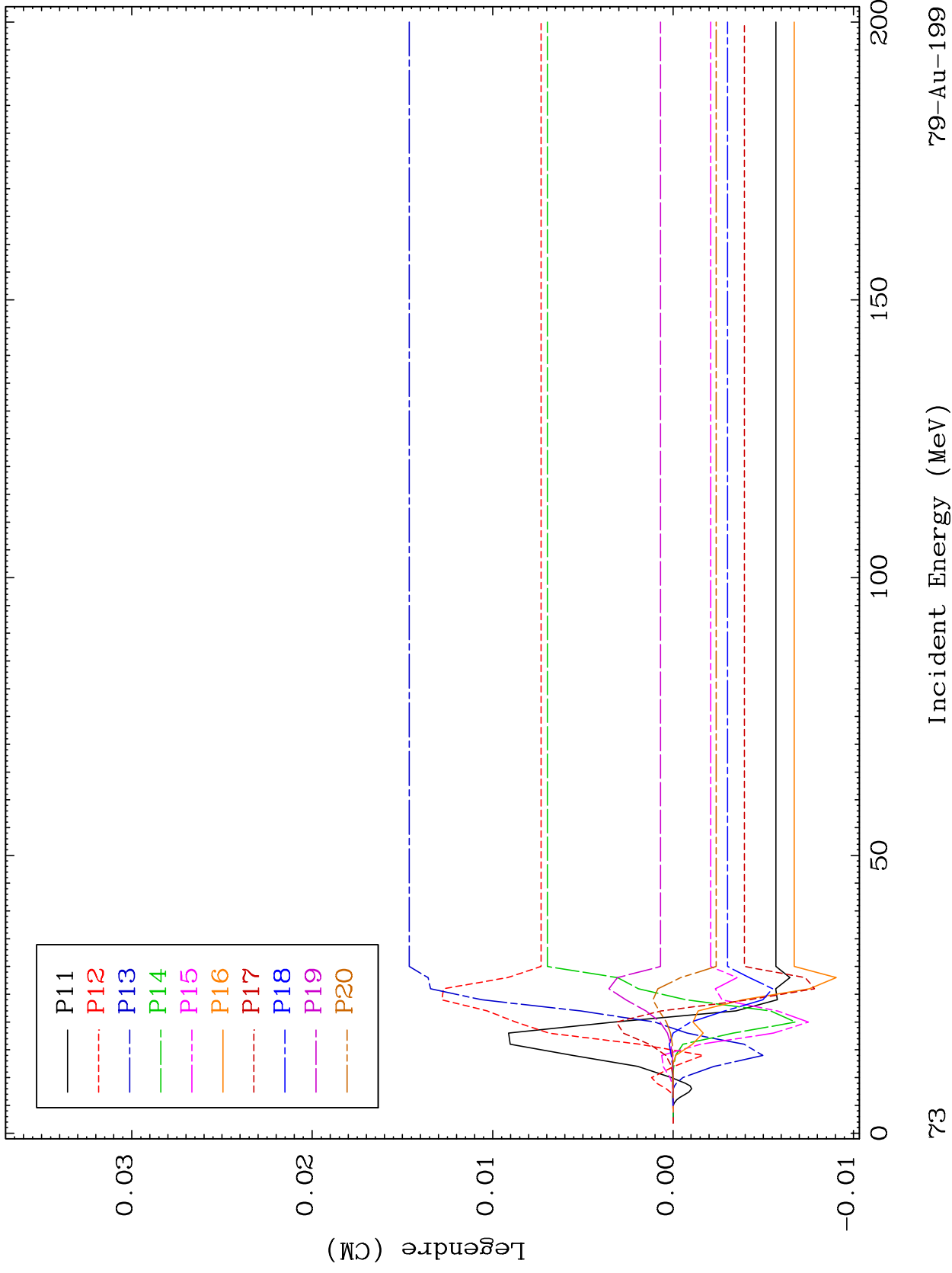




MAT 7931

1.159 MeV (n,n') Level  
Legendre Coefficients

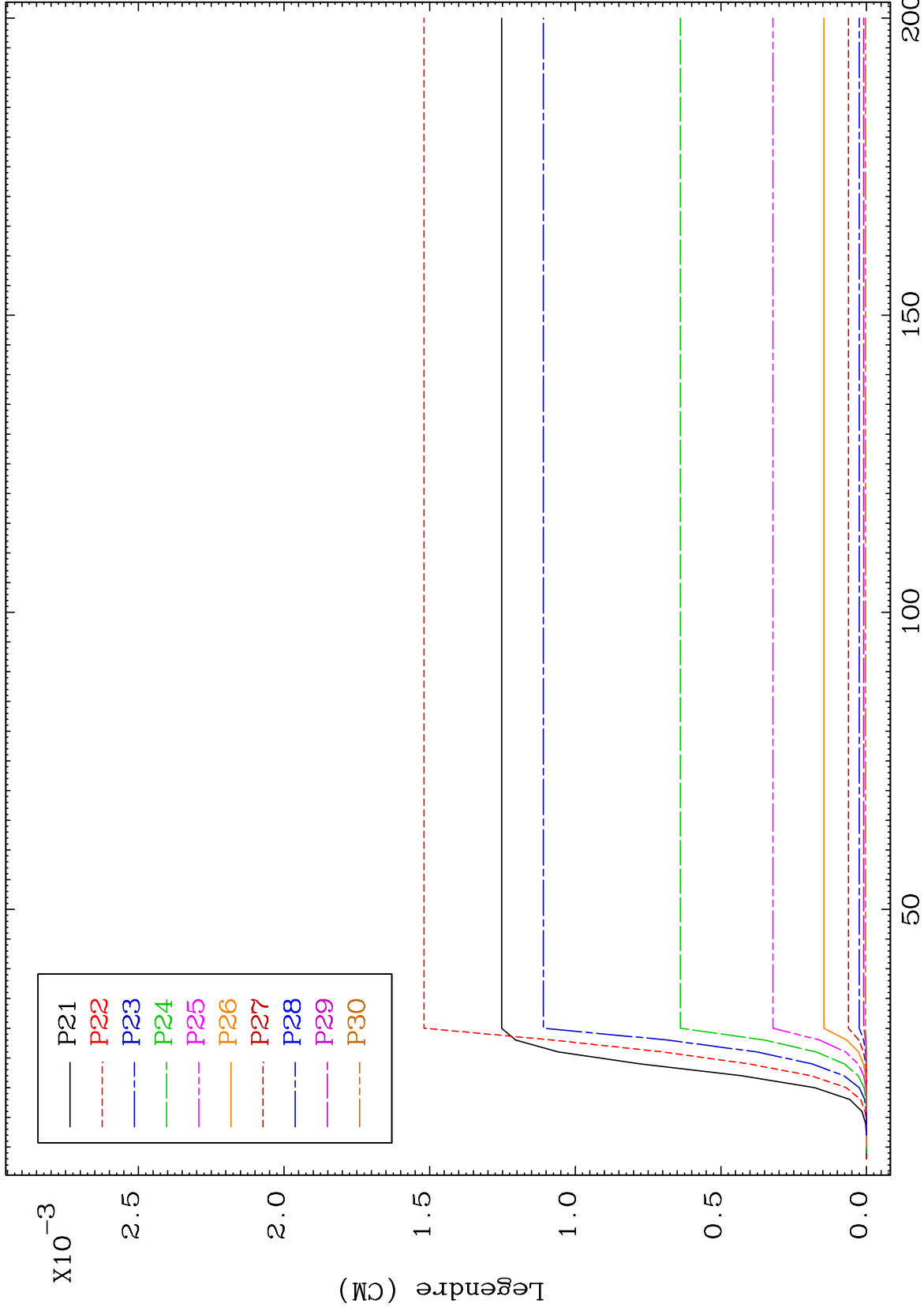
79-Au-199



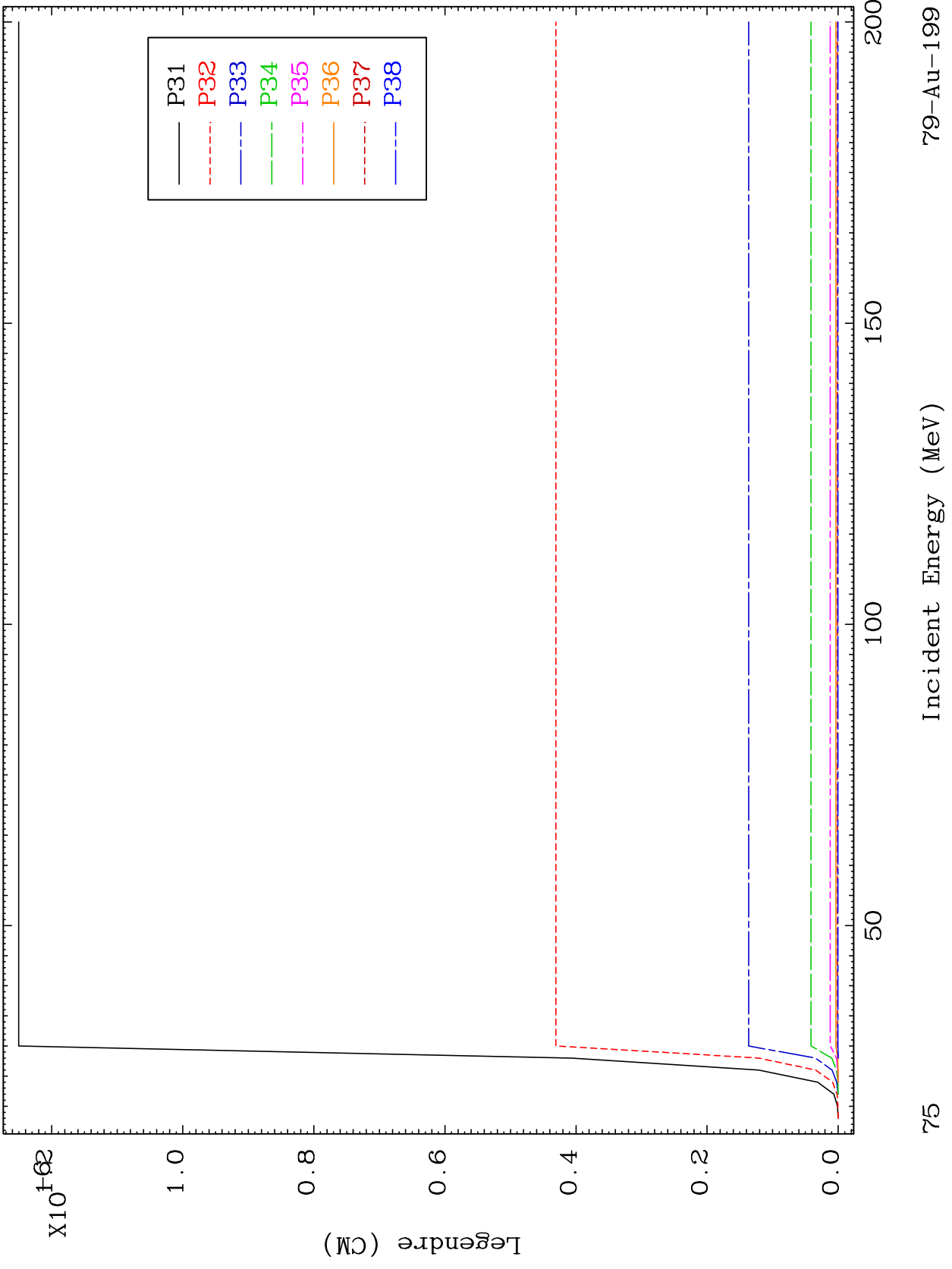
73

Incident Energy (MeV)

79-Au-199



MAT 7931 1.159 MeV (n,n') Level Legendre Coefficients 79-Au-199

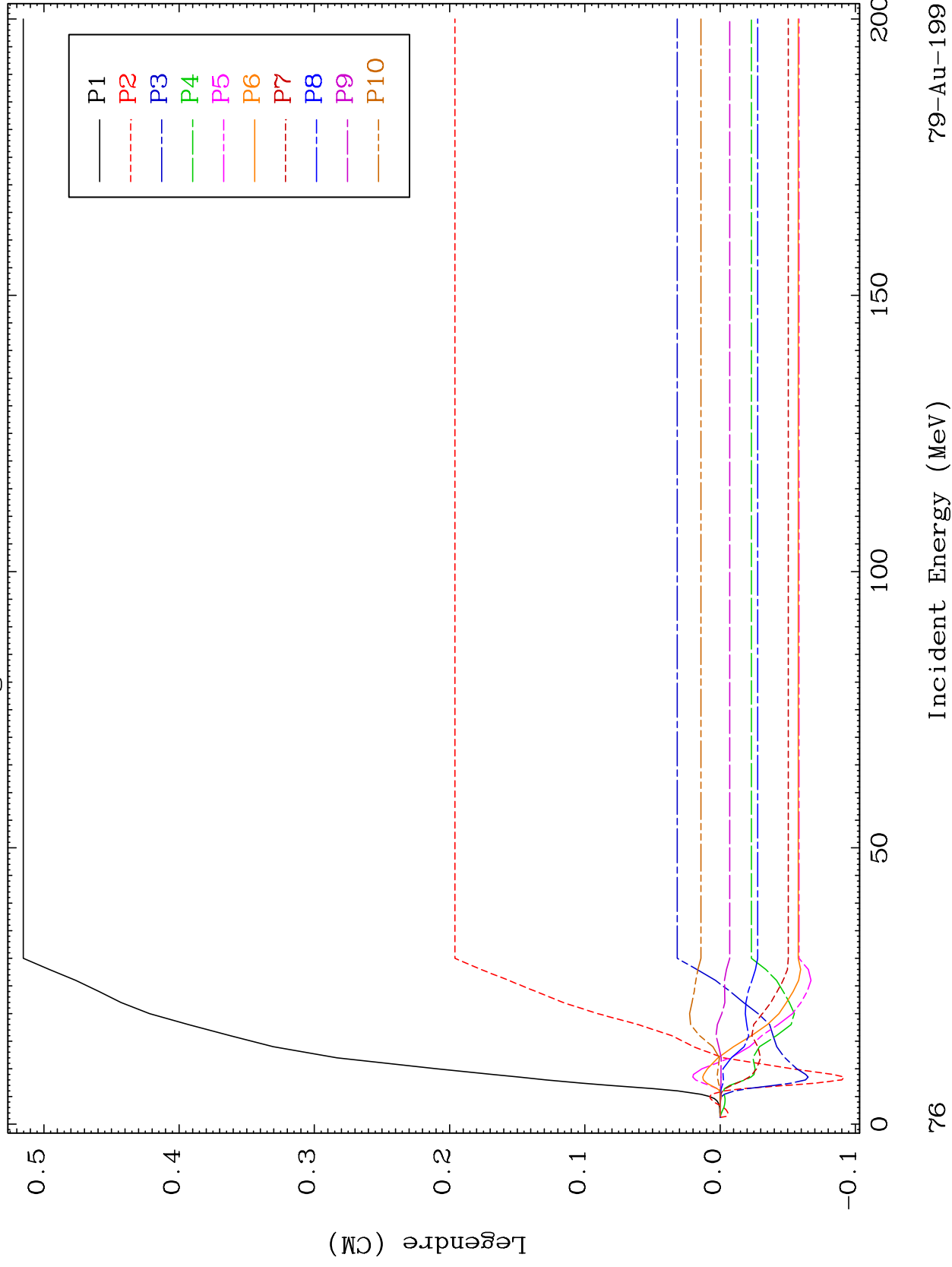


75 Incident Energy (MeV) 79-Au-199

MAT 7931

1.185 MeV (n,n') Level  
Legendre Coefficients

79-Au-199

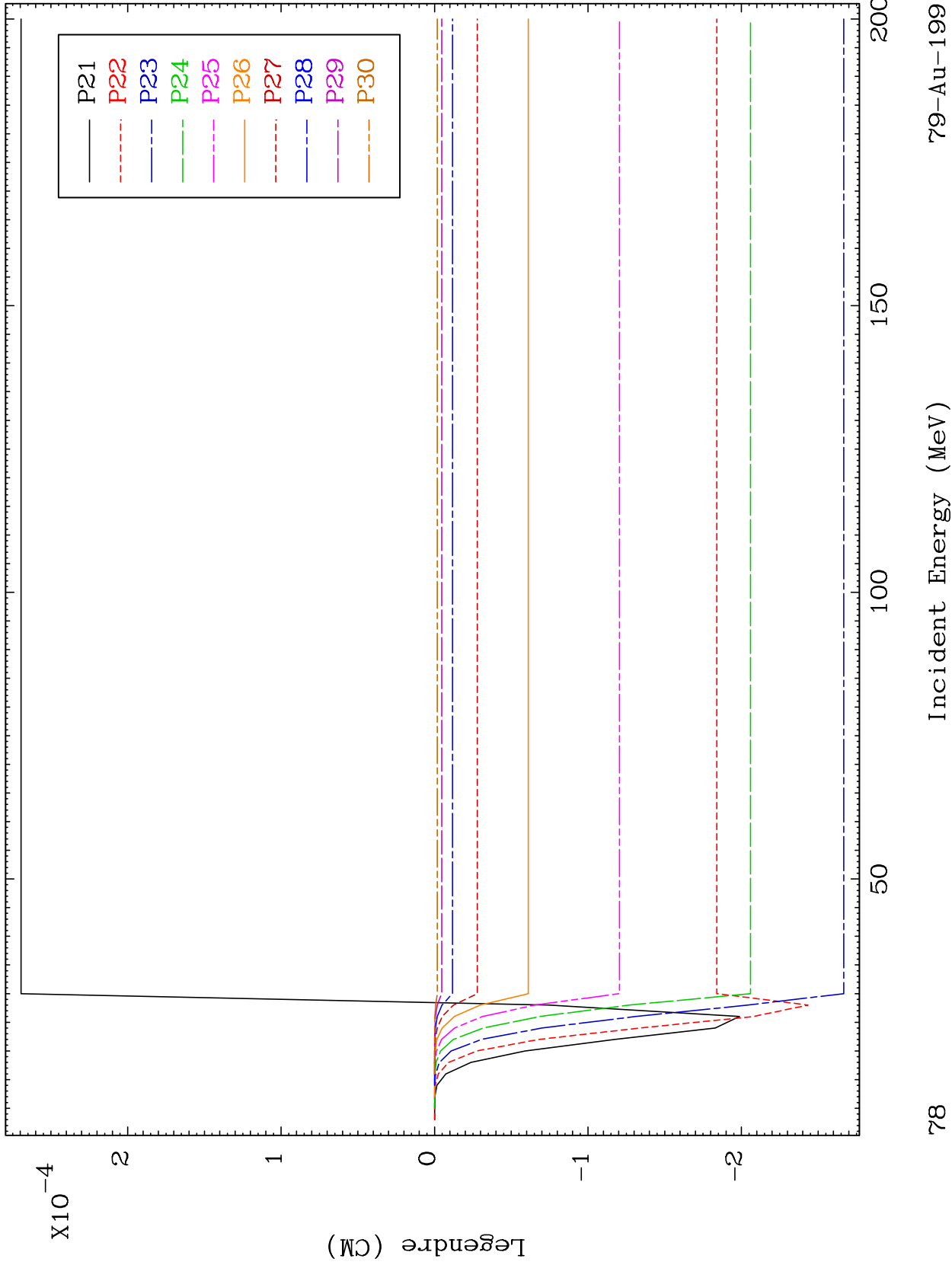




MAT 7931

1.185 MeV (n,n') Level  
Legendre Coefficients

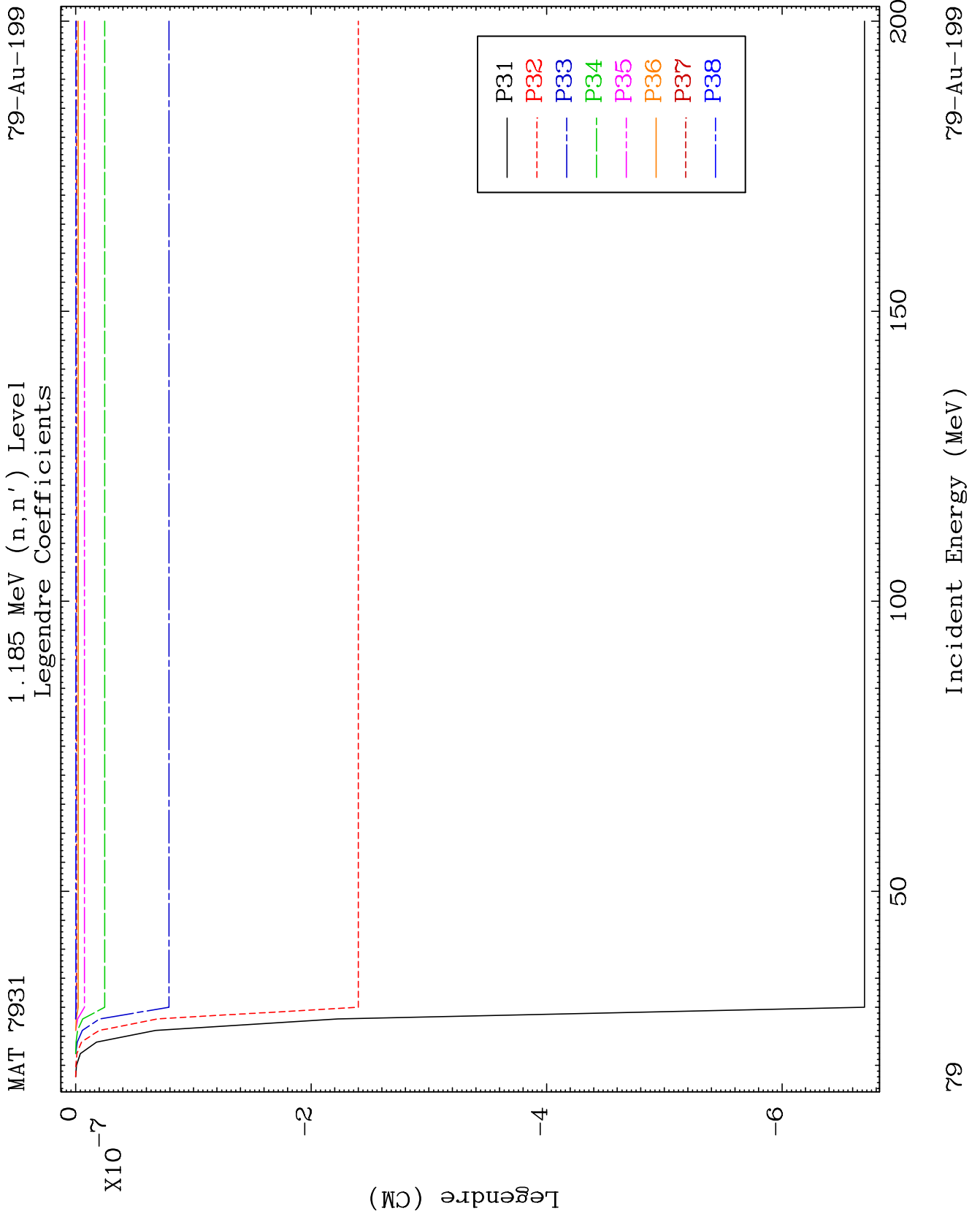
79-Au-199



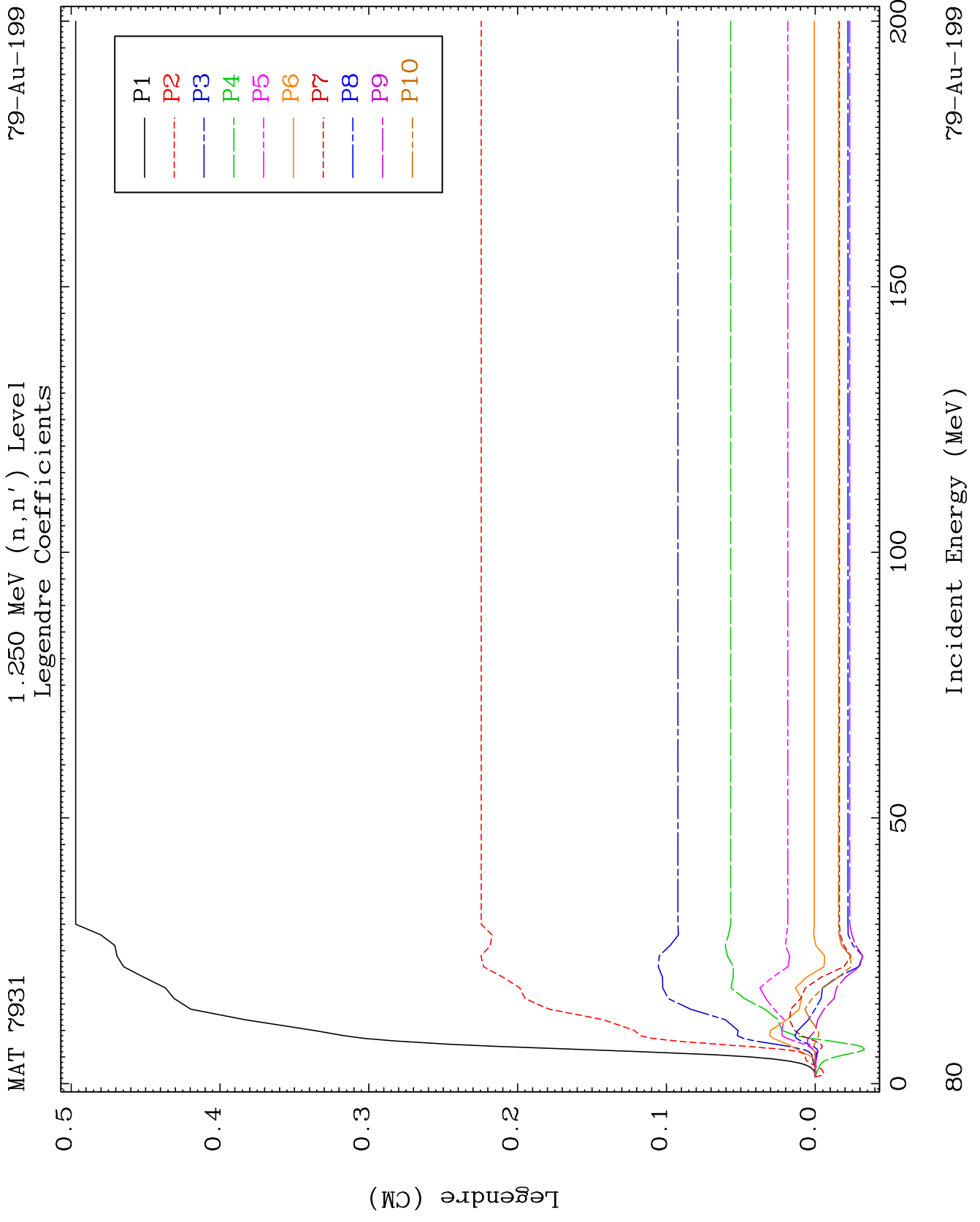
78

Incident Energy (MeV)

79-Au-199



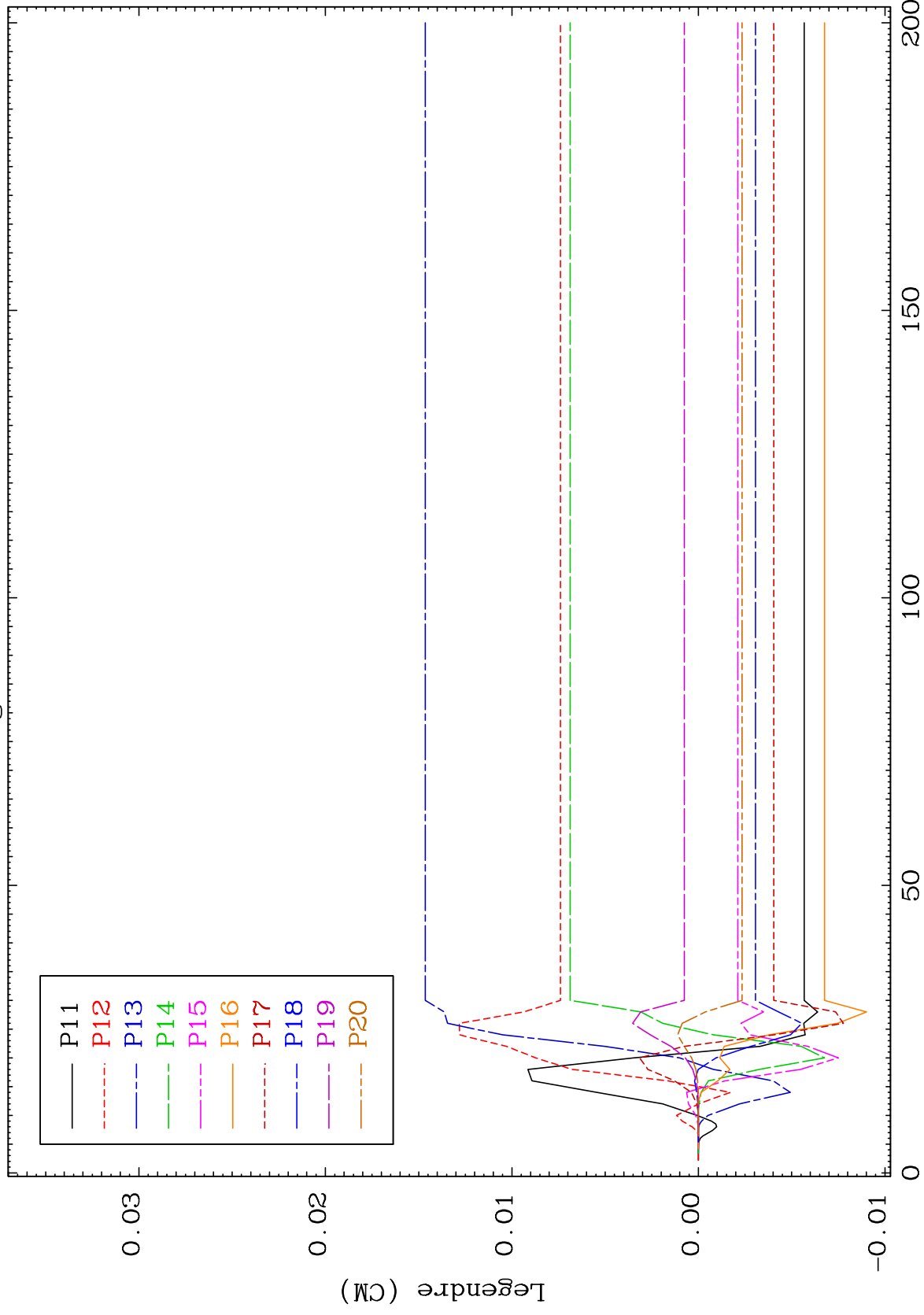




MAT 7931

1.250 MeV (n, n') Level  
Legendre Coefficients

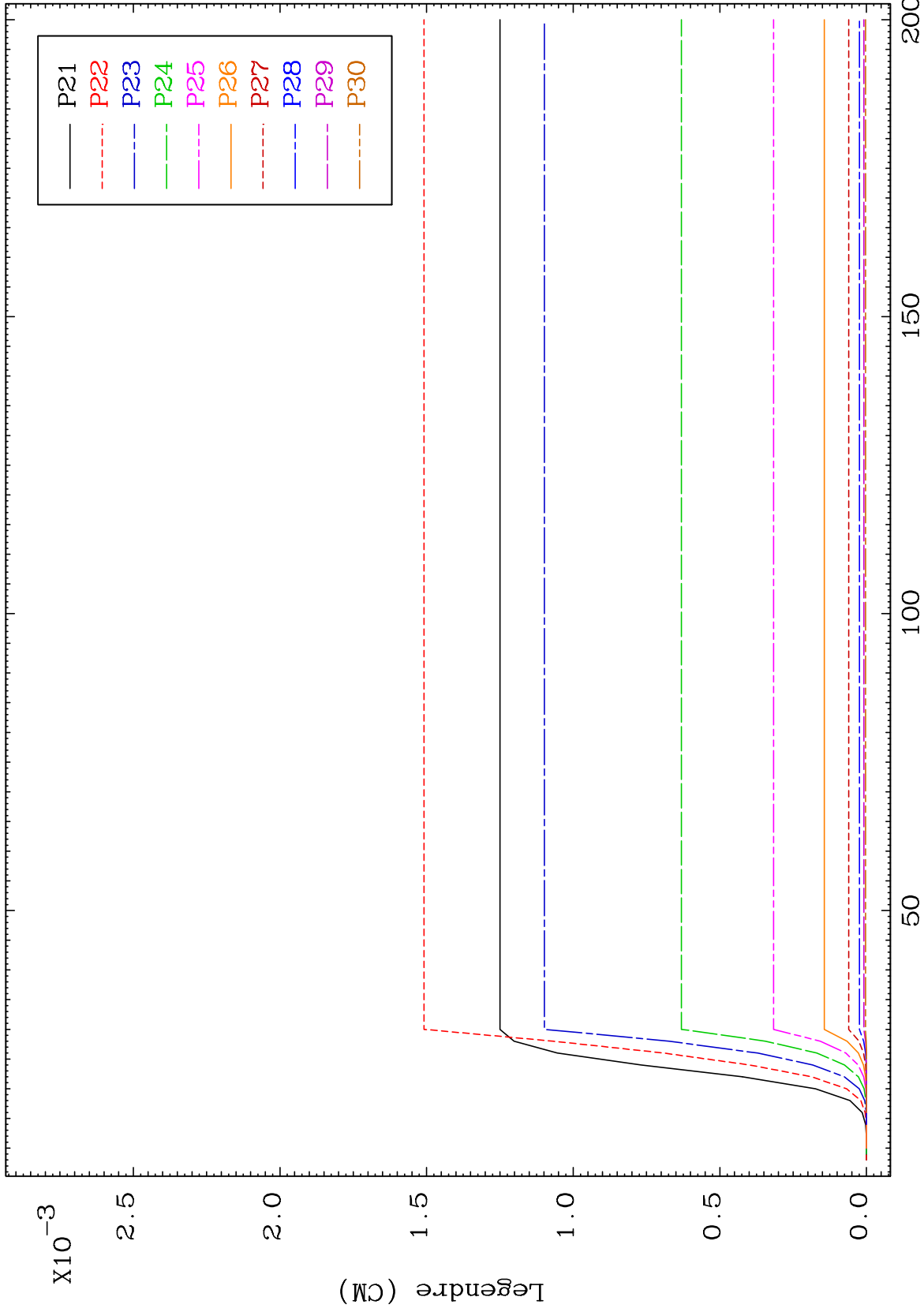
79-Au-199

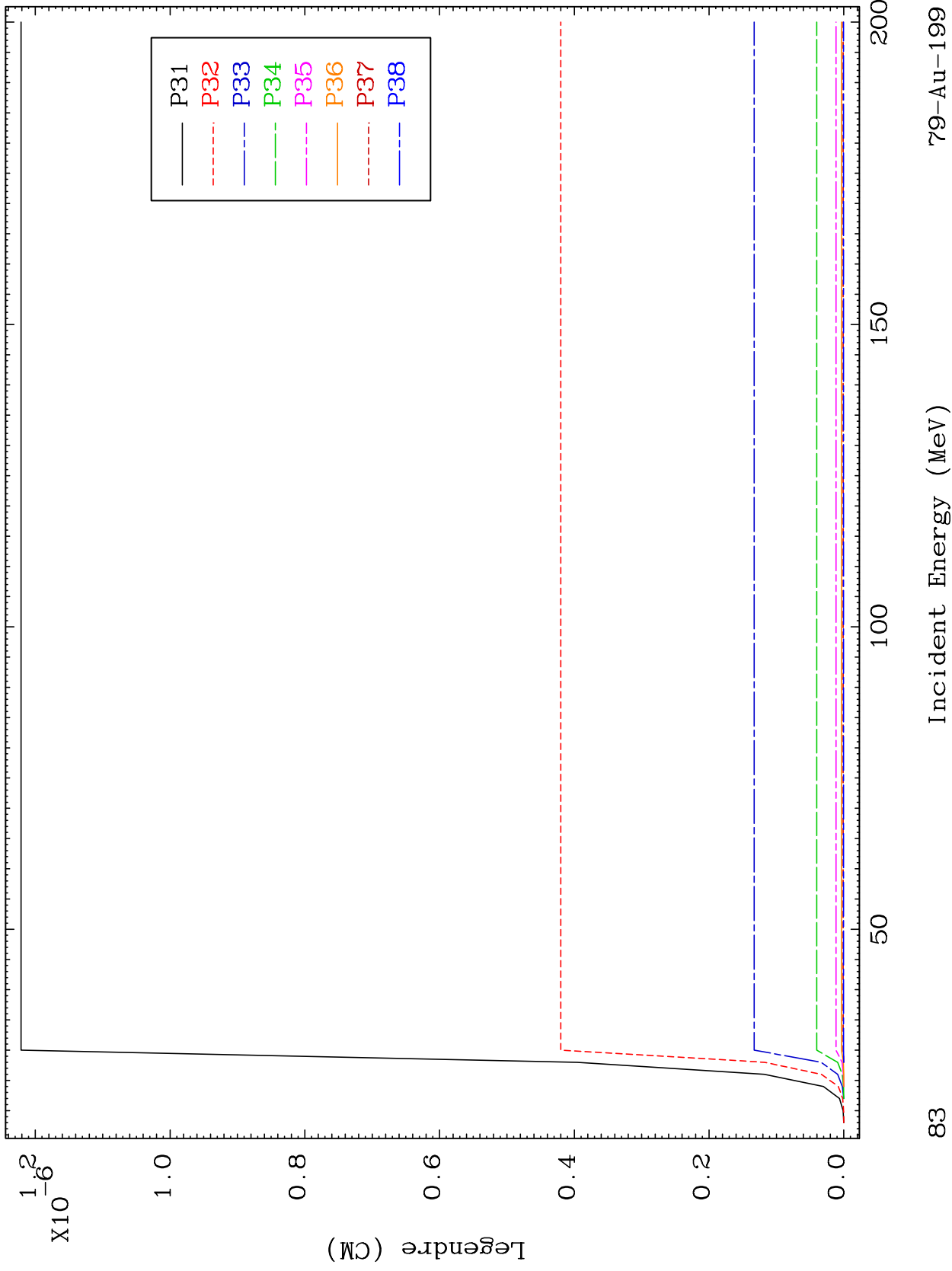


81

Incident Energy (MeV)

79-Au-199



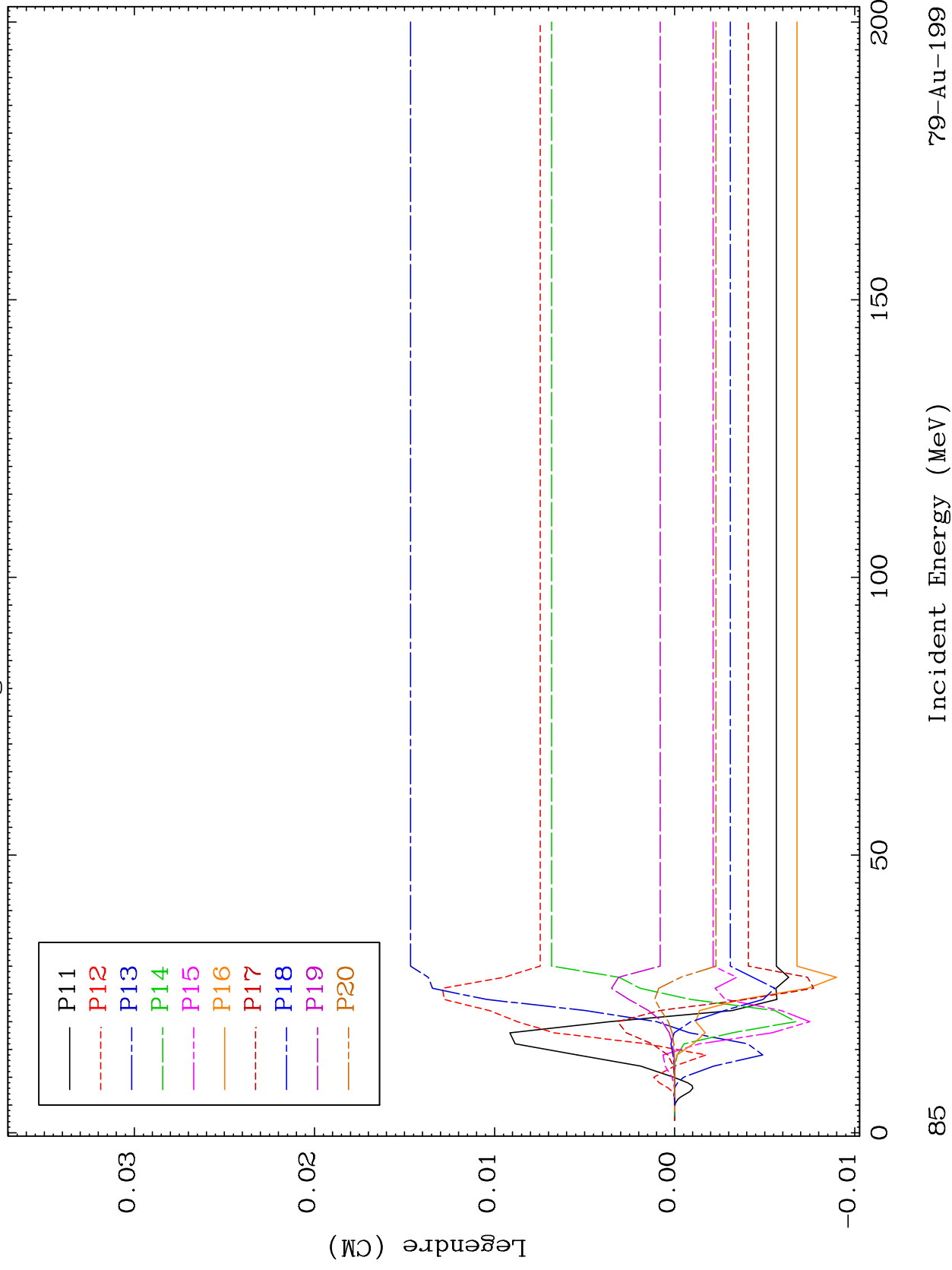




MAT 7931

1.312 MeV (n,n') Level  
Legendre Coefficients

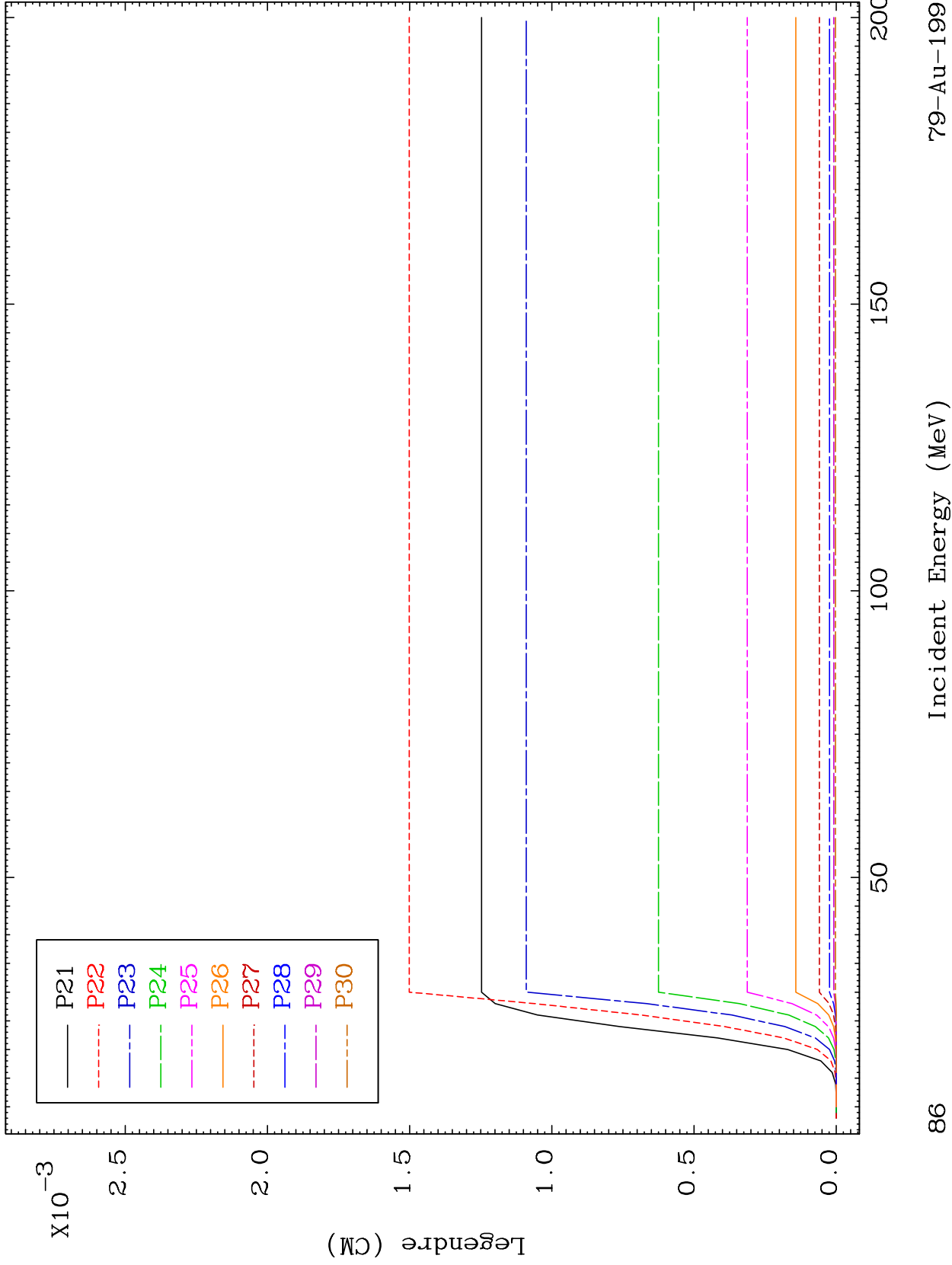
79-Au-199

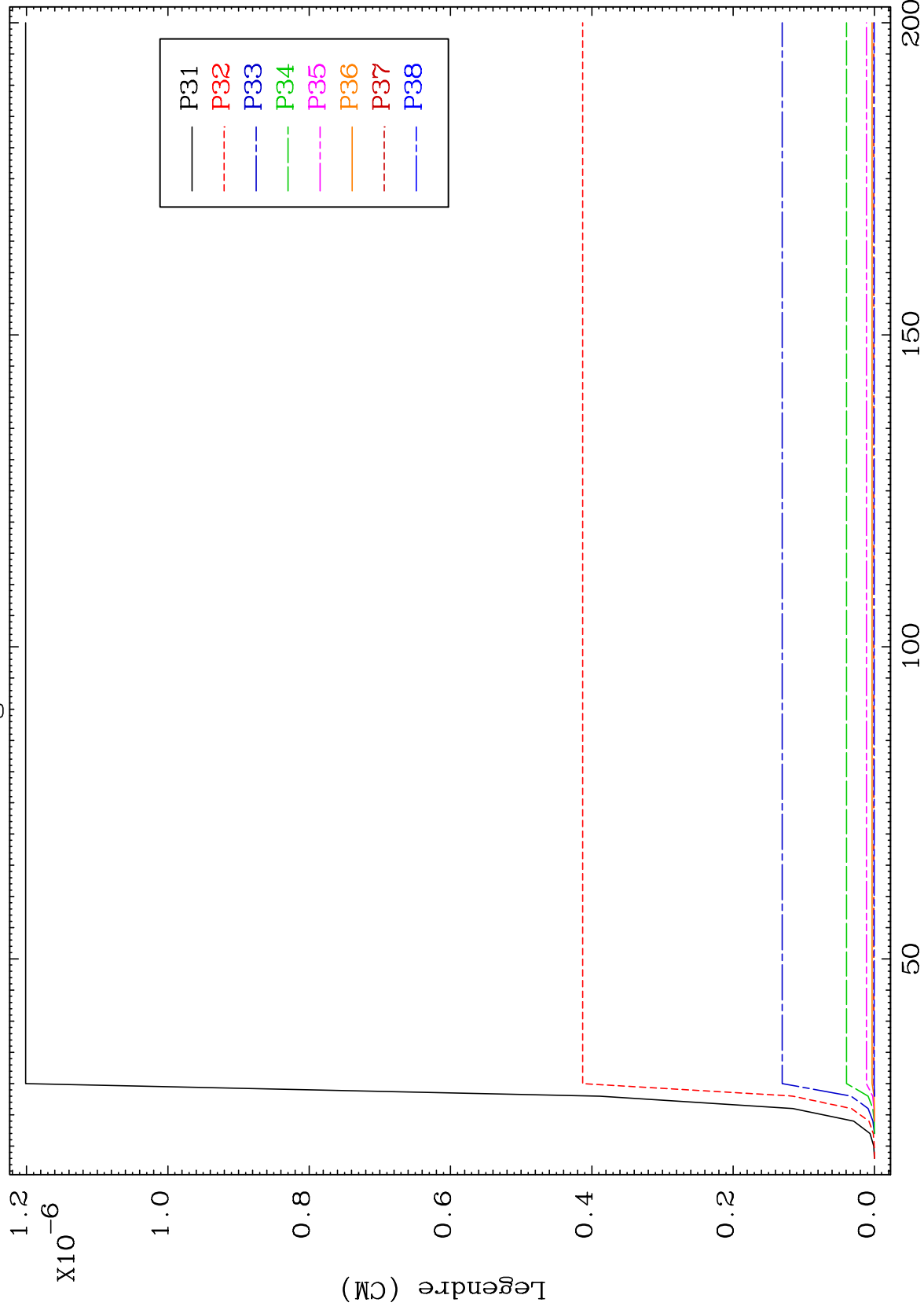


79-Au-199

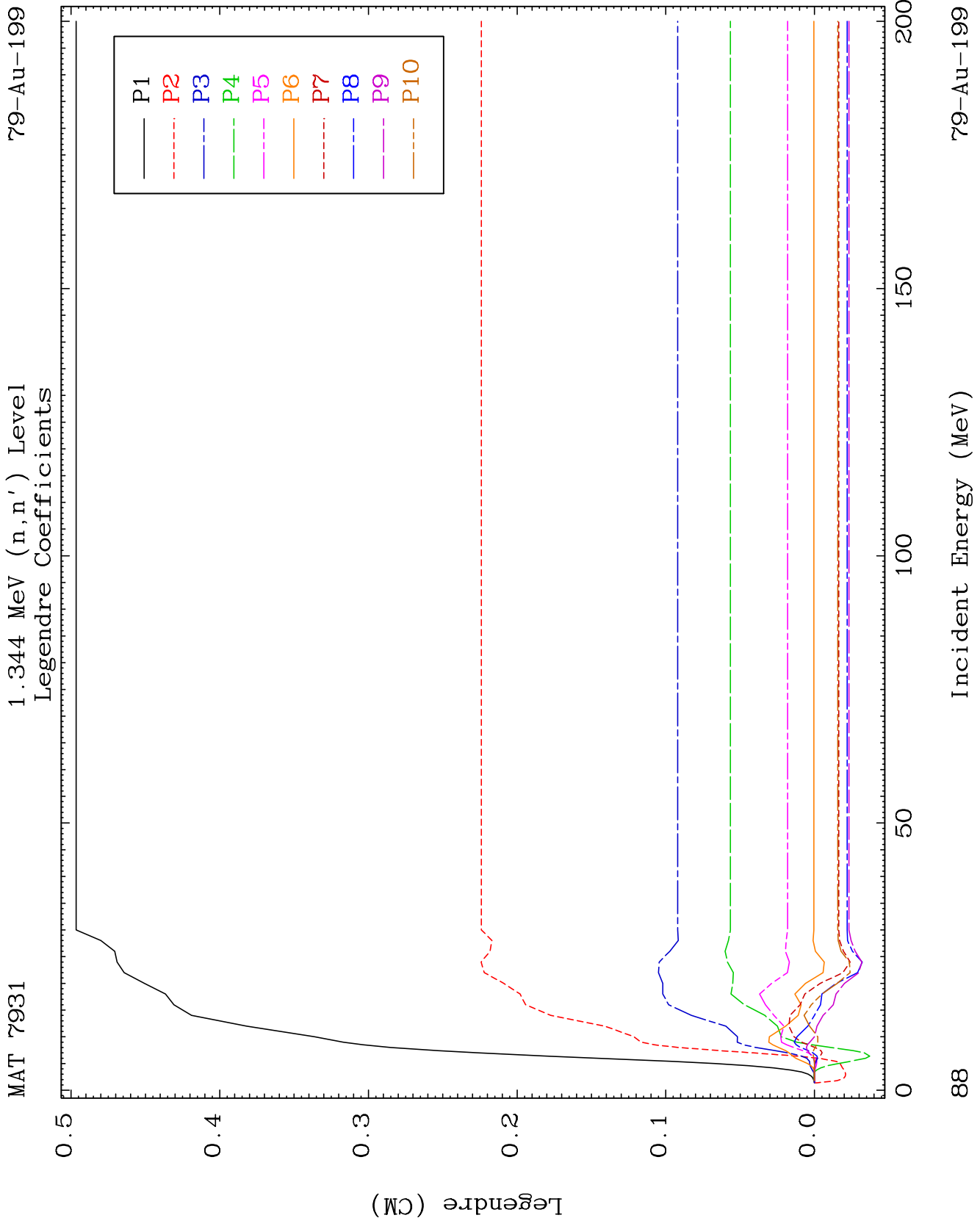
Incident Energy (MeV)

85





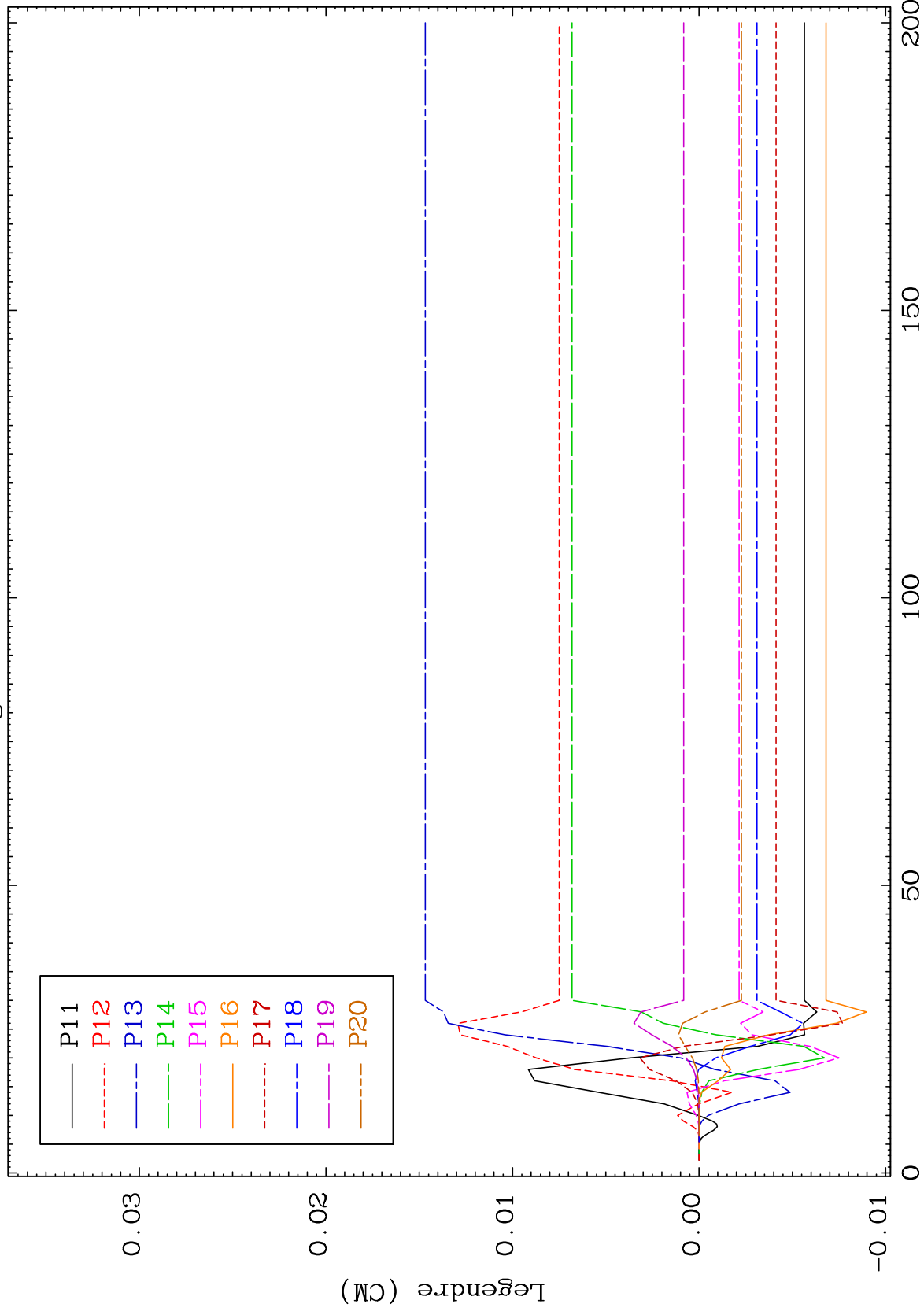




MAT 7931

1.344 MeV (n,n') Level  
Legendre Coefficients

79-Au-199



89

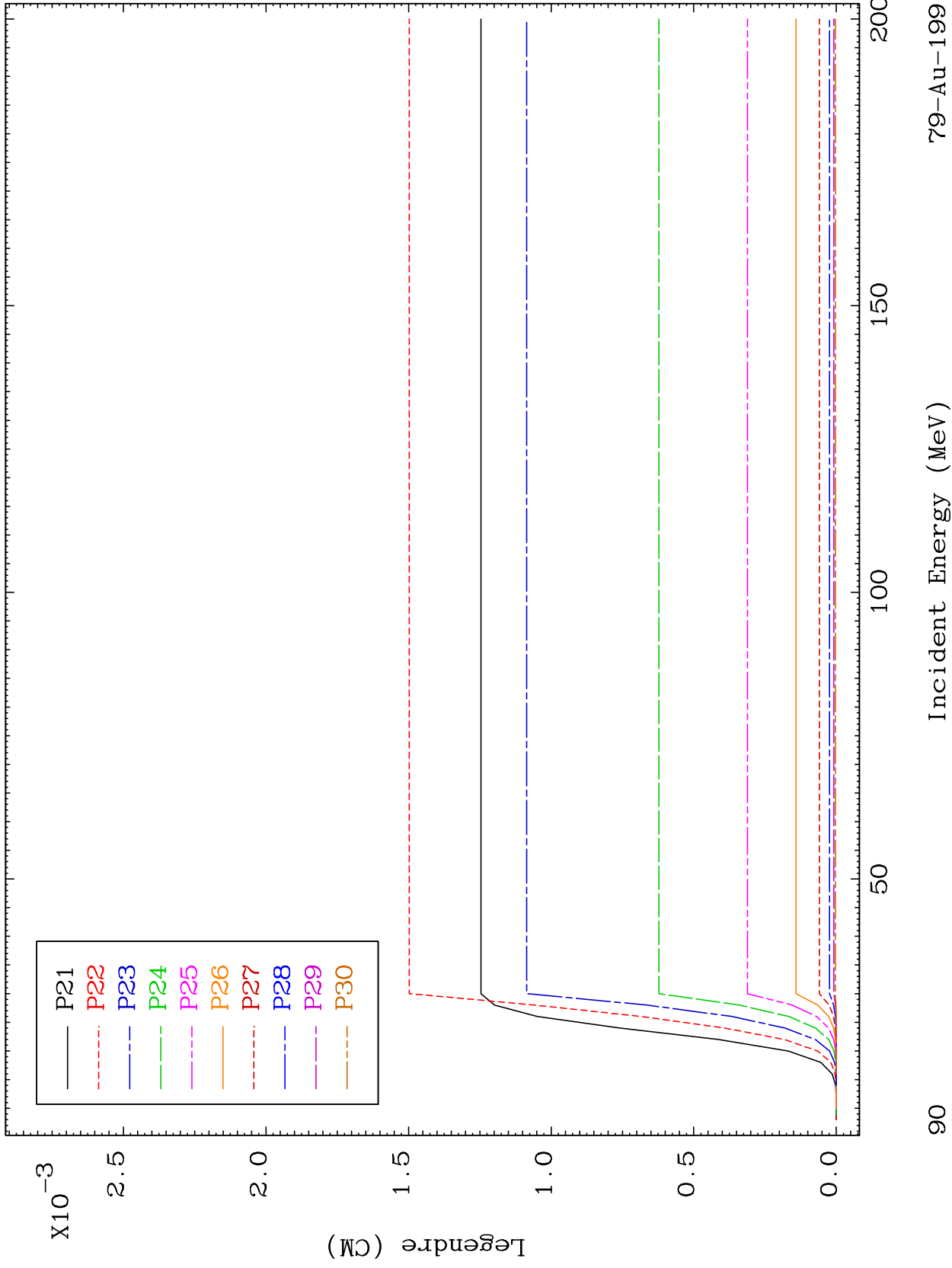
Incident Energy (MeV)

79-Au-199

MAT 7931

1.344 MeV (n,n') Level  
Legendre Coefficients

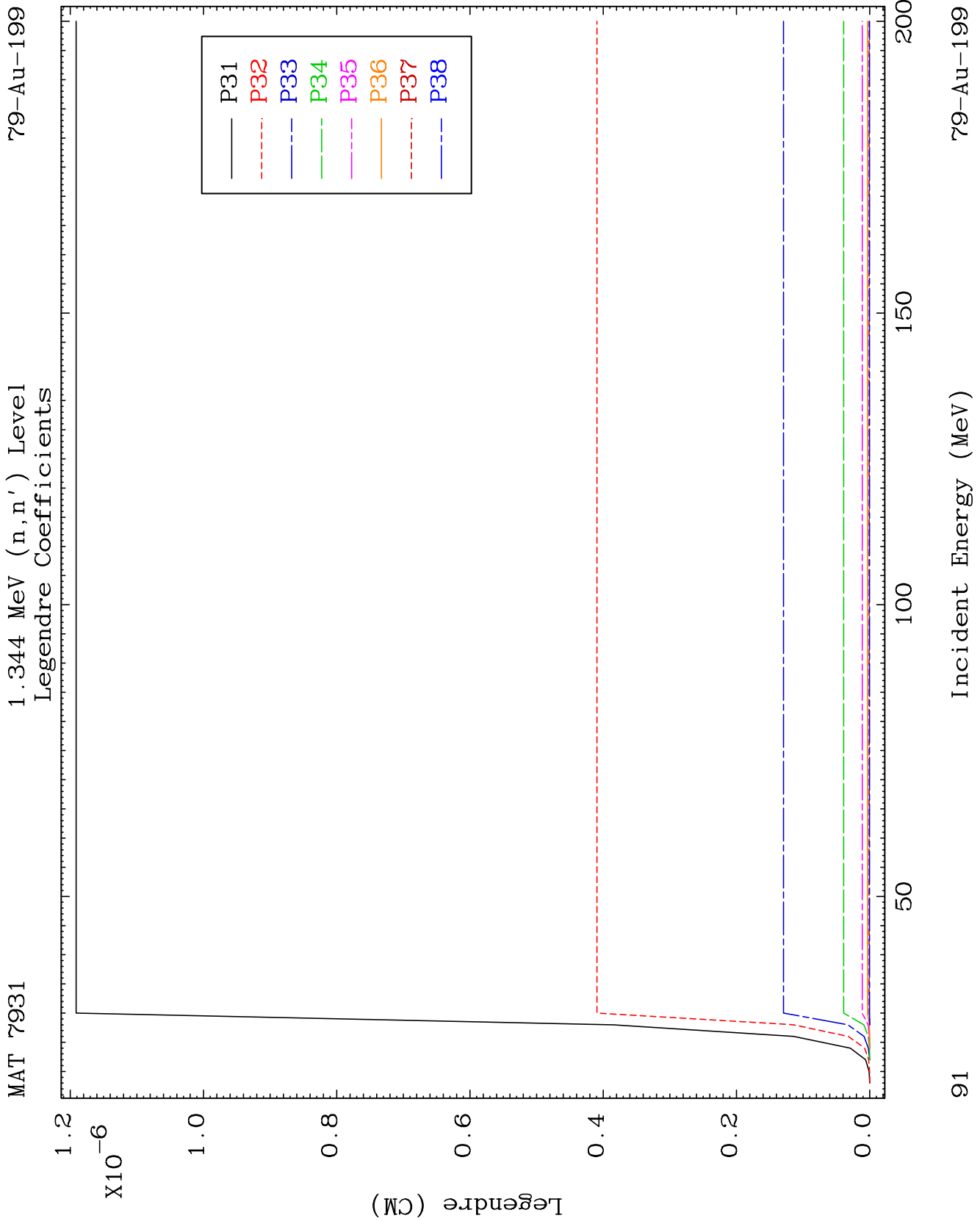
79-Au-199



90

Incident Energy (MeV)

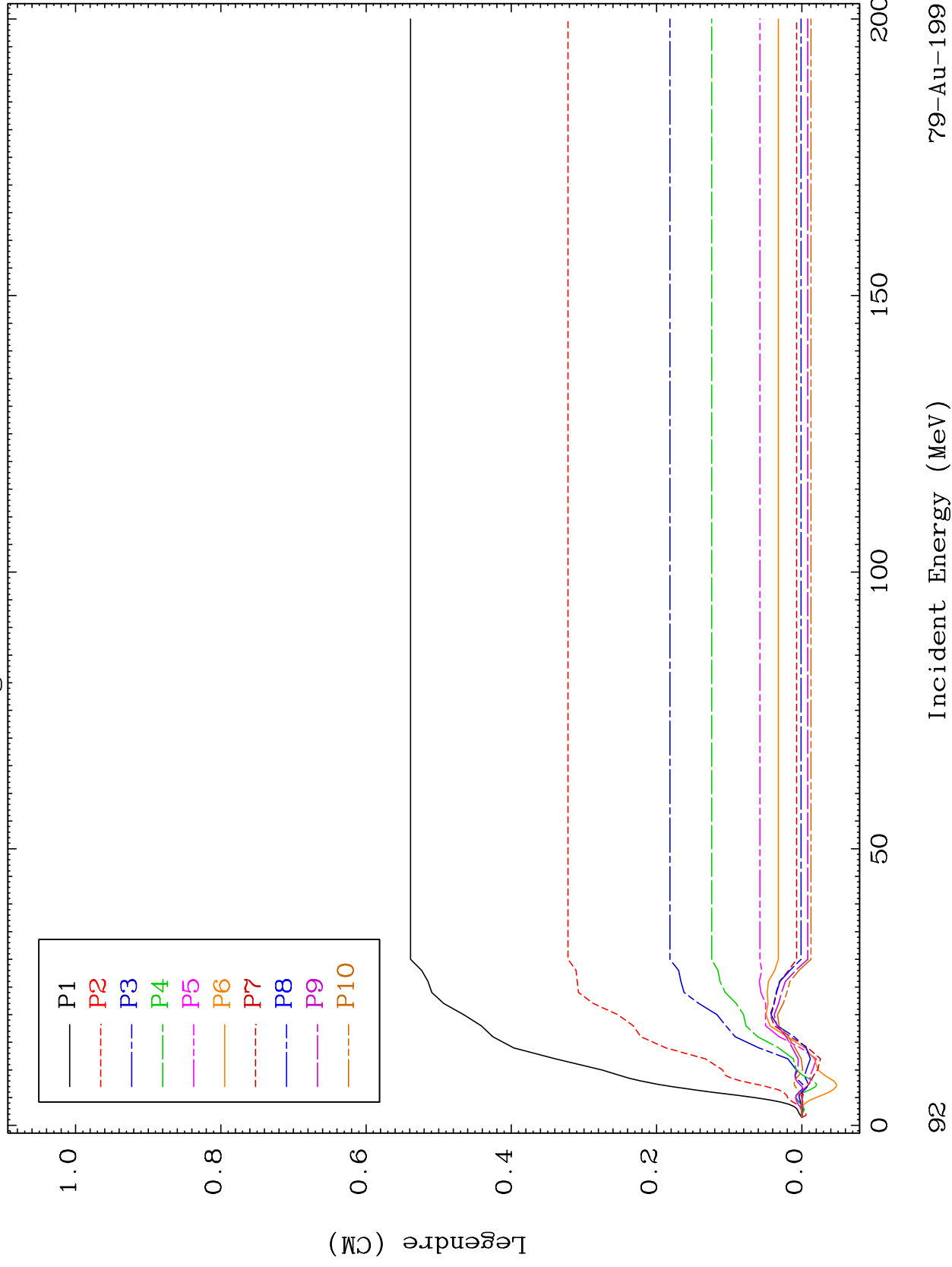
79-Au-199



MAT 7931

1.396 MeV (n,n') Level  
Legendre Coefficients

79-Au-199



79-Au-199

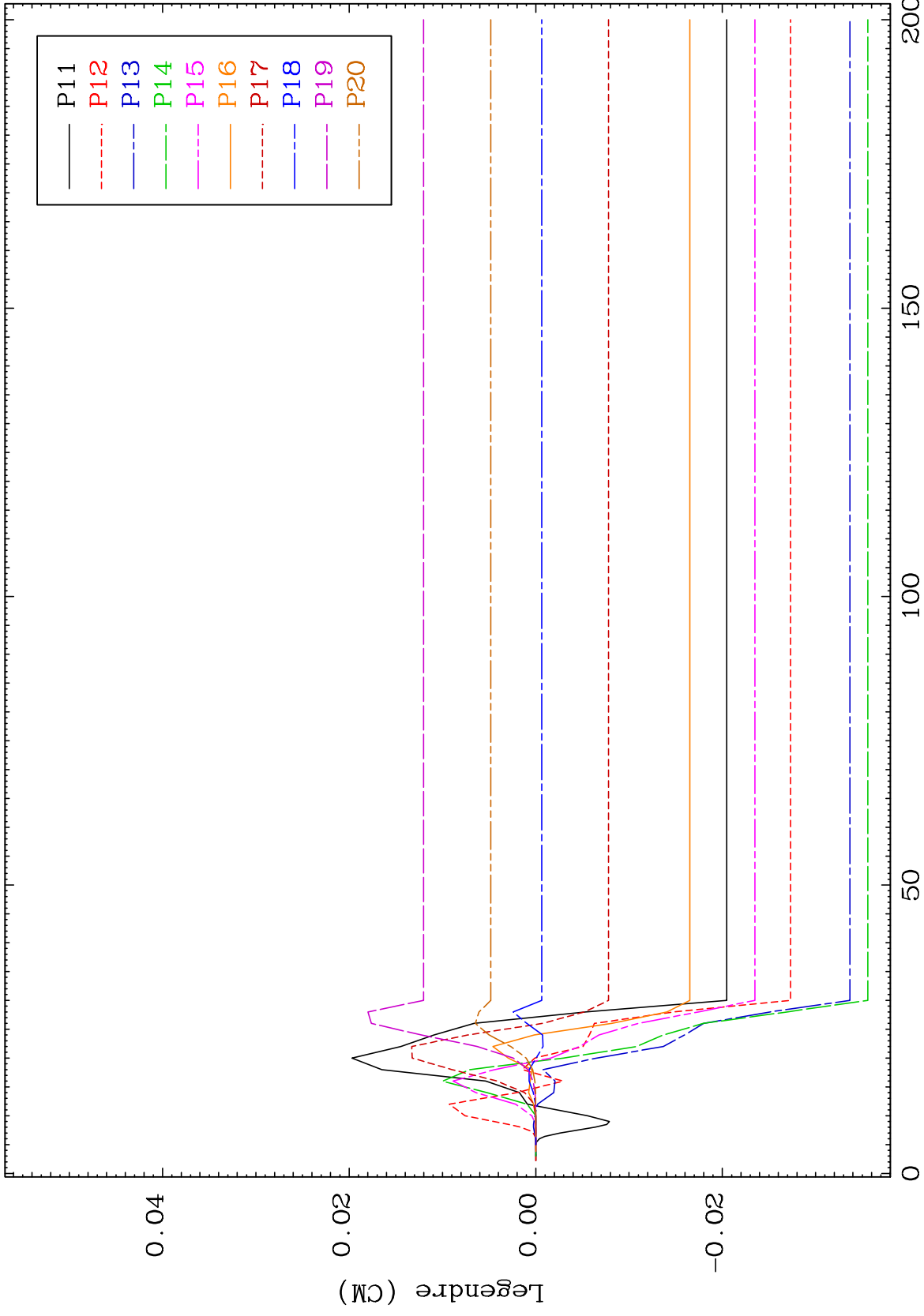
Incident Energy (MeV)

92

MAT 7931

1.396 MeV (n,n') Level Legendre Coefficients

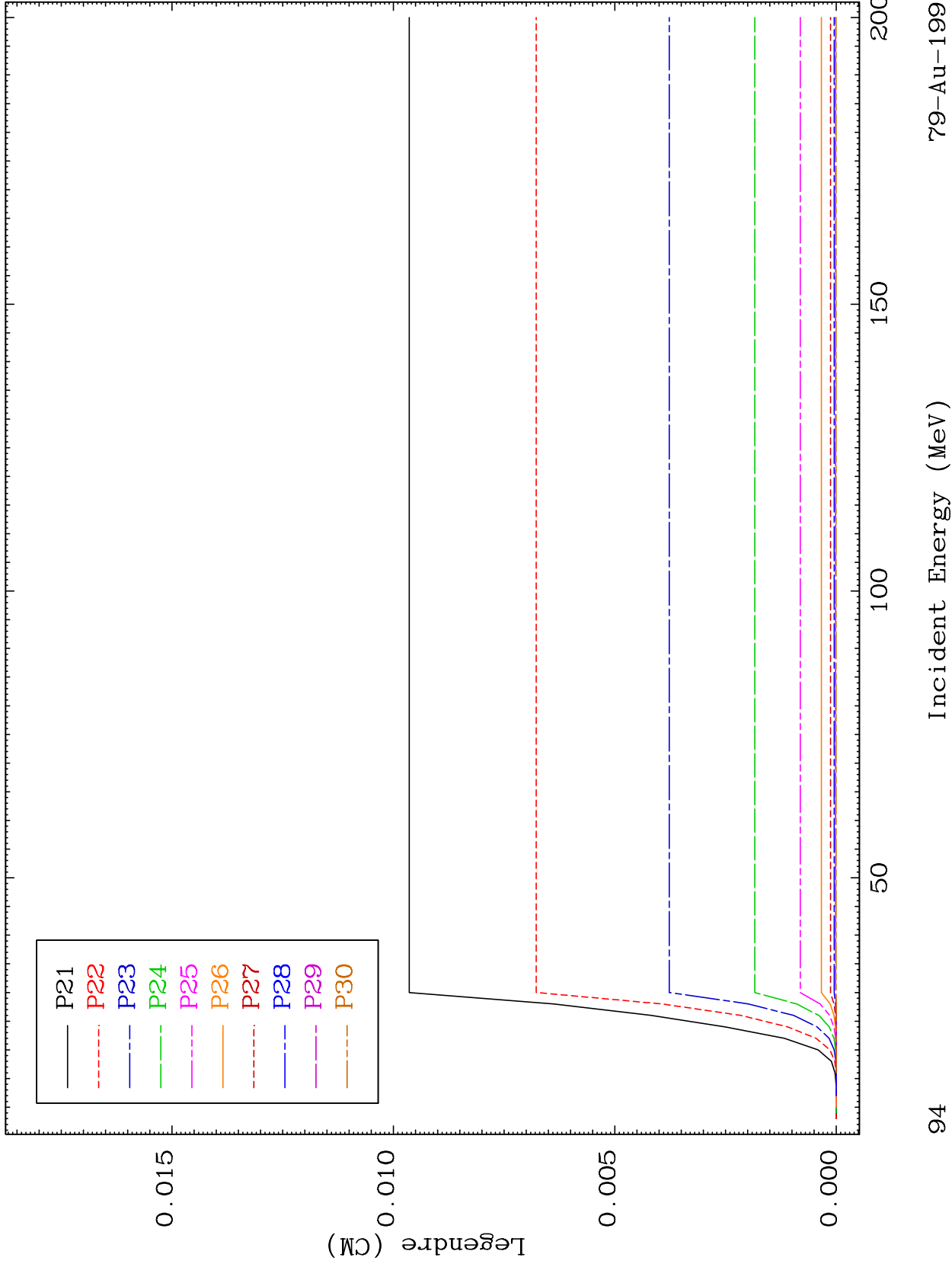
79-Au-199

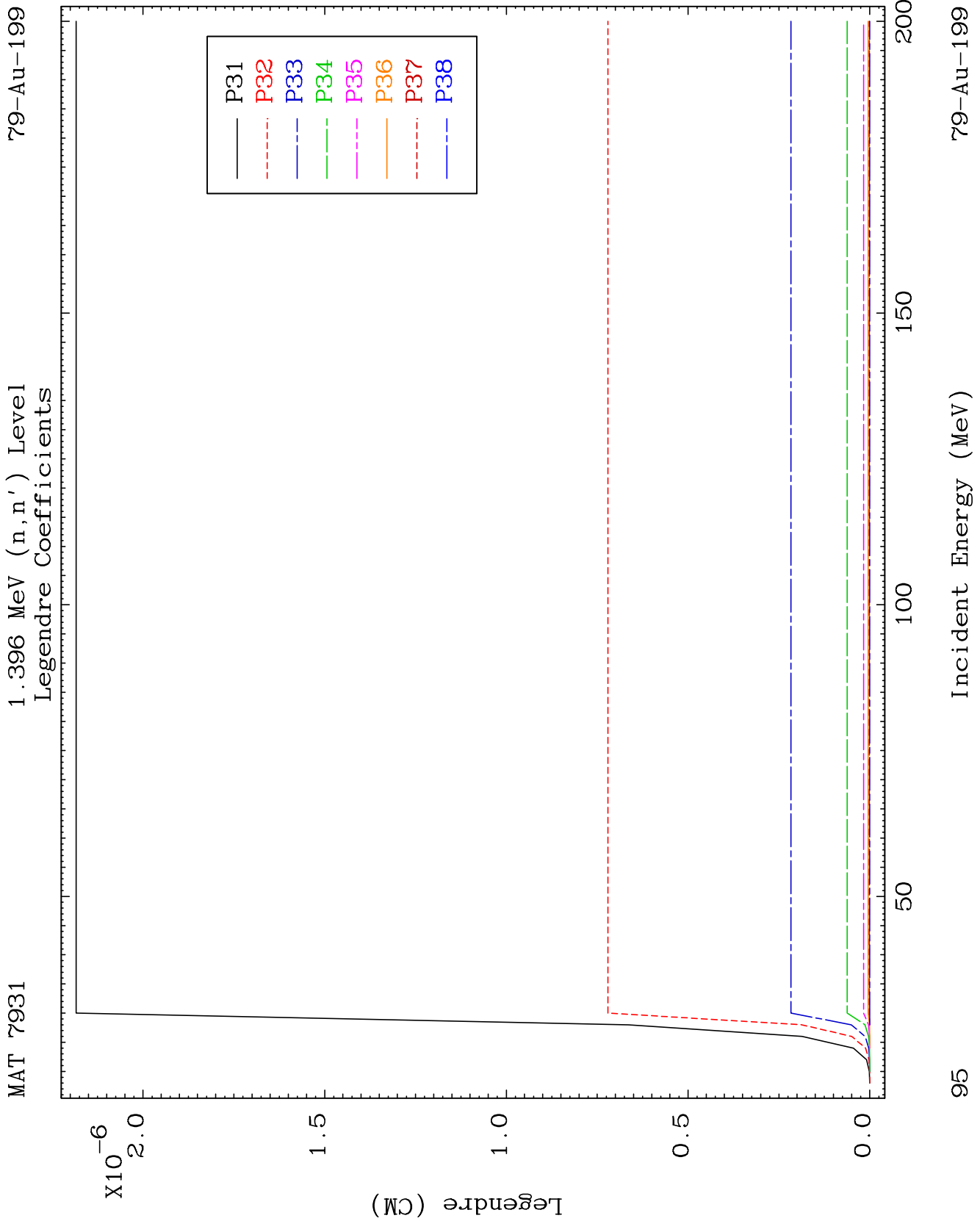


93

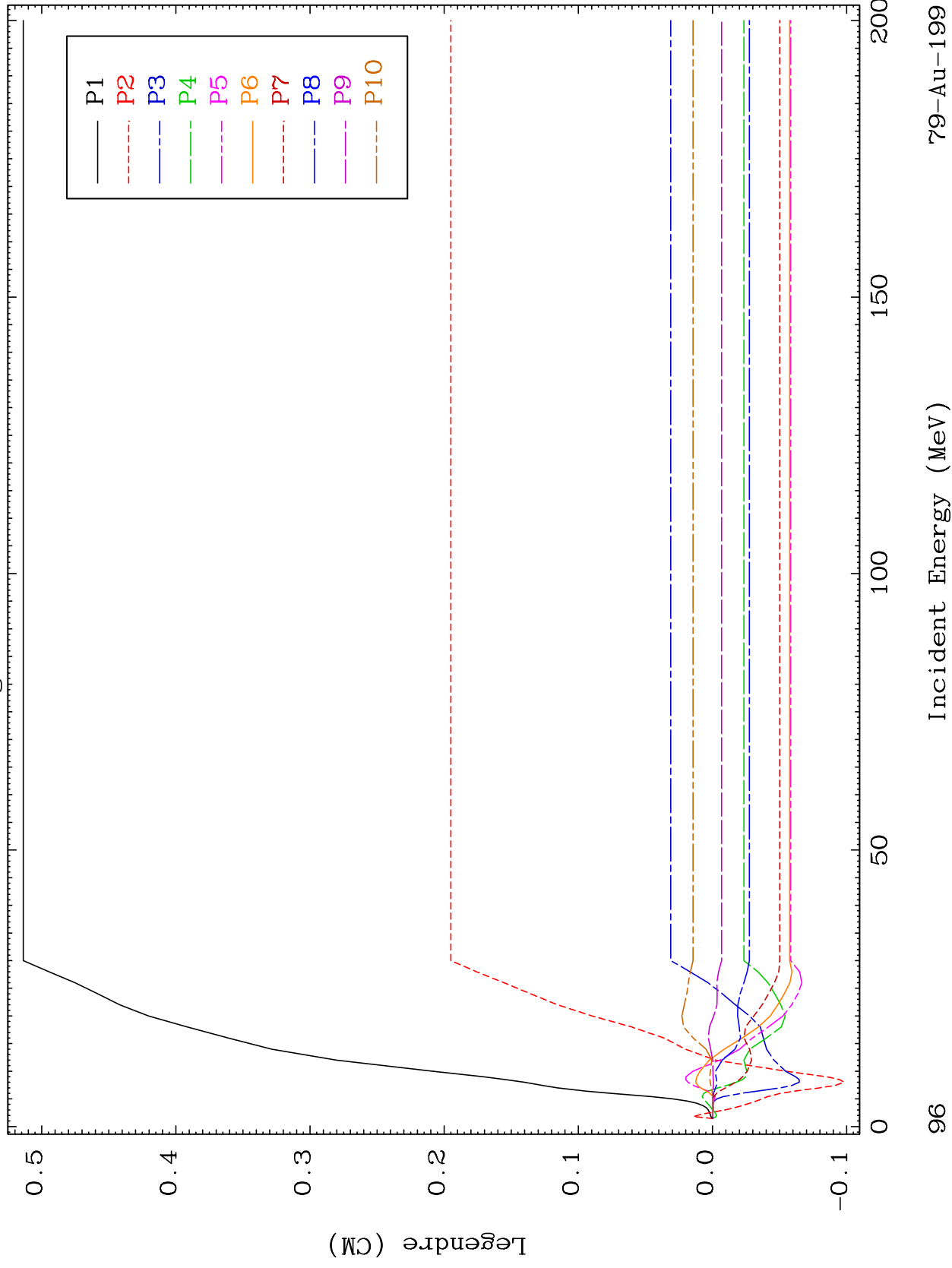
Incident Energy (MeV)

79-Au-199

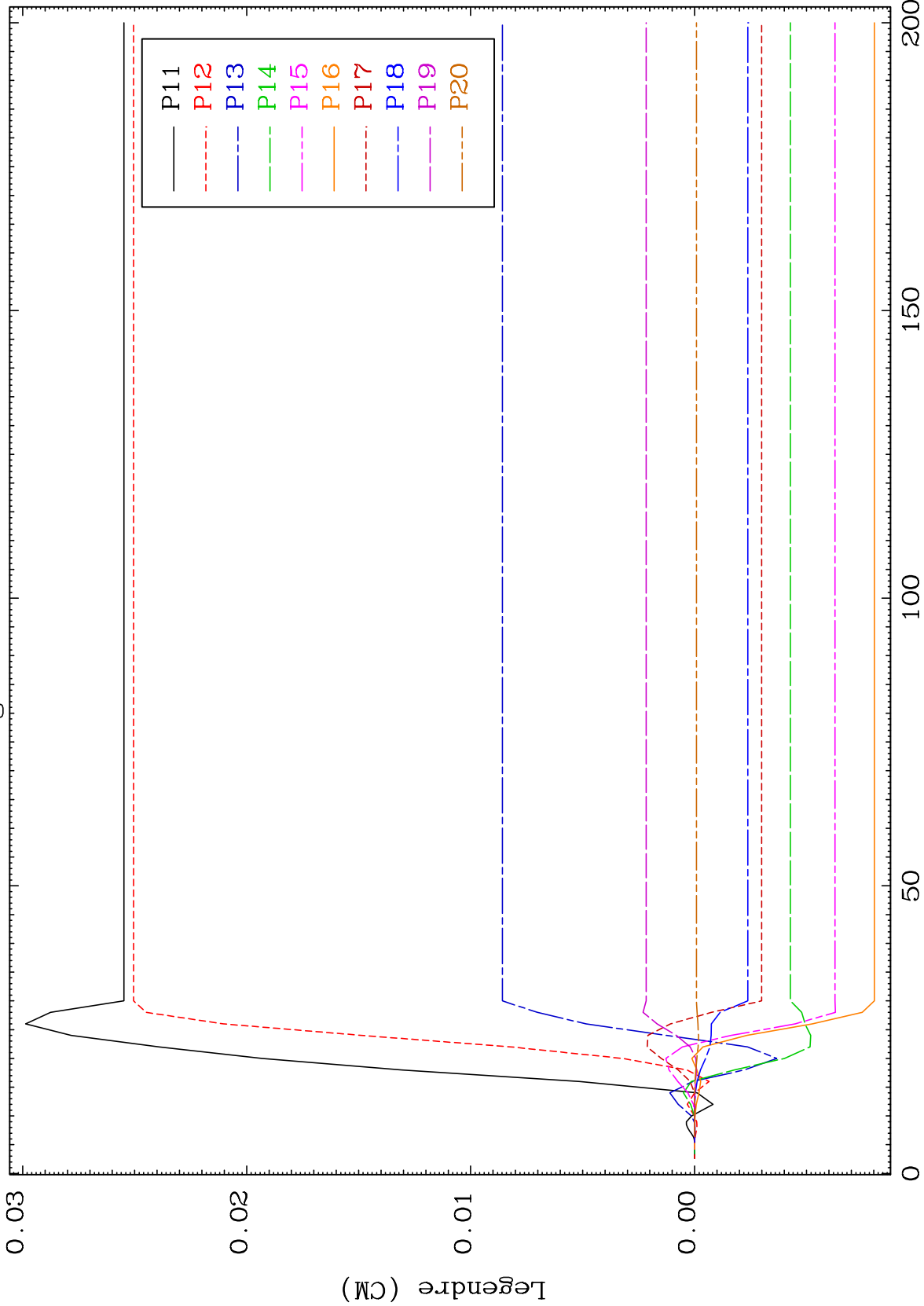




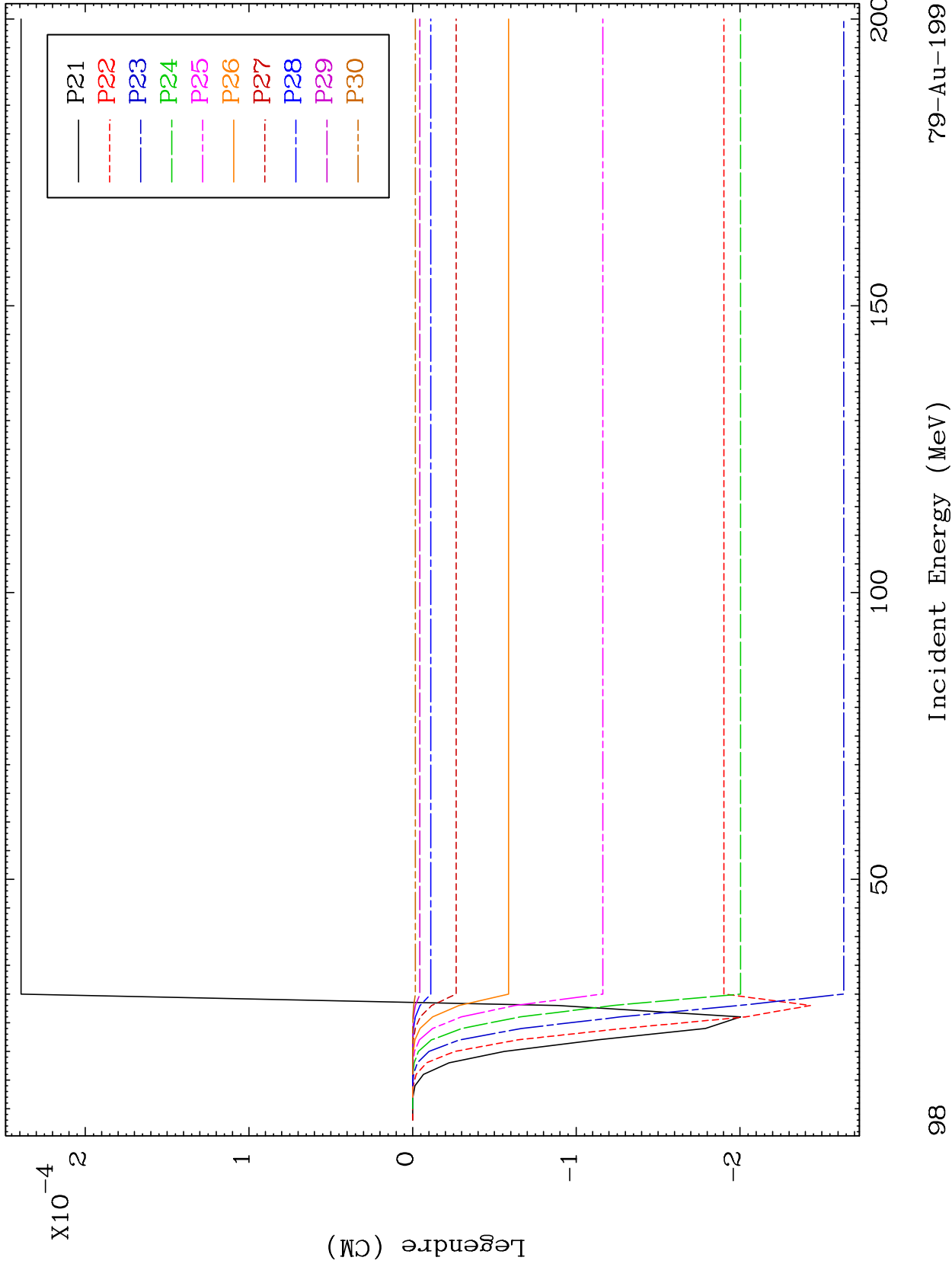


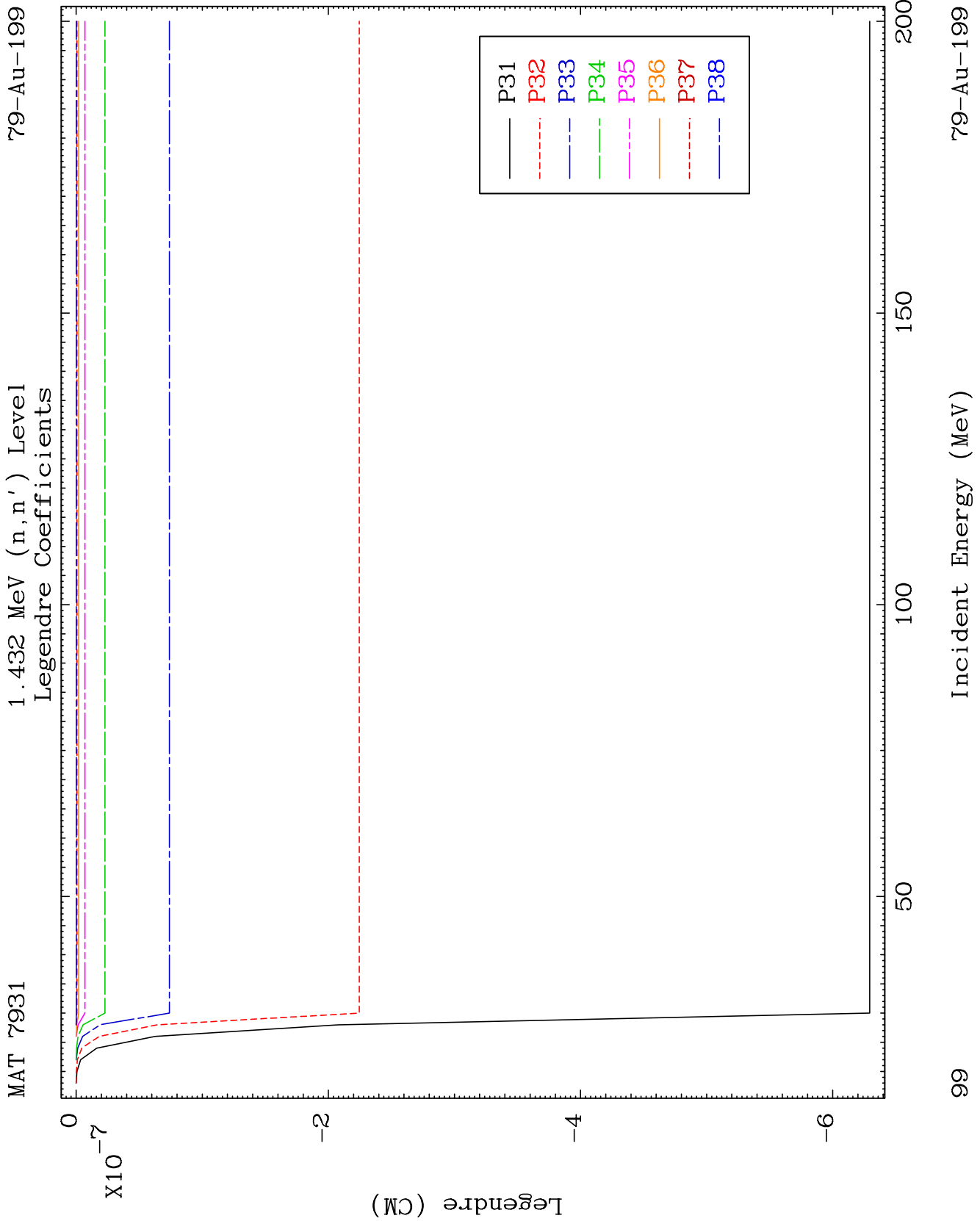


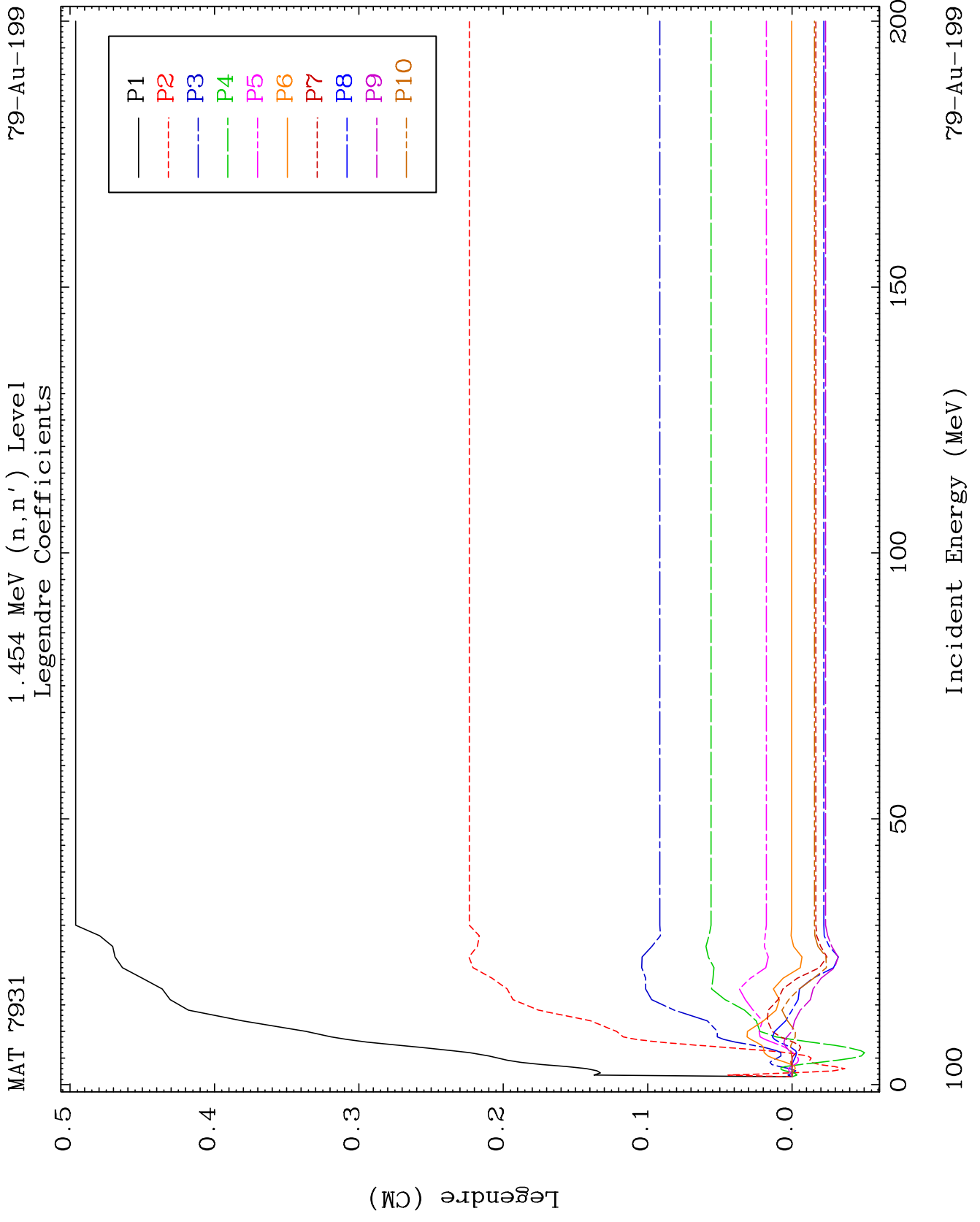
MAT 7931 1.432 MeV (n,n') Level Legendre Coefficients 79-Au-199



97 79-Au-199



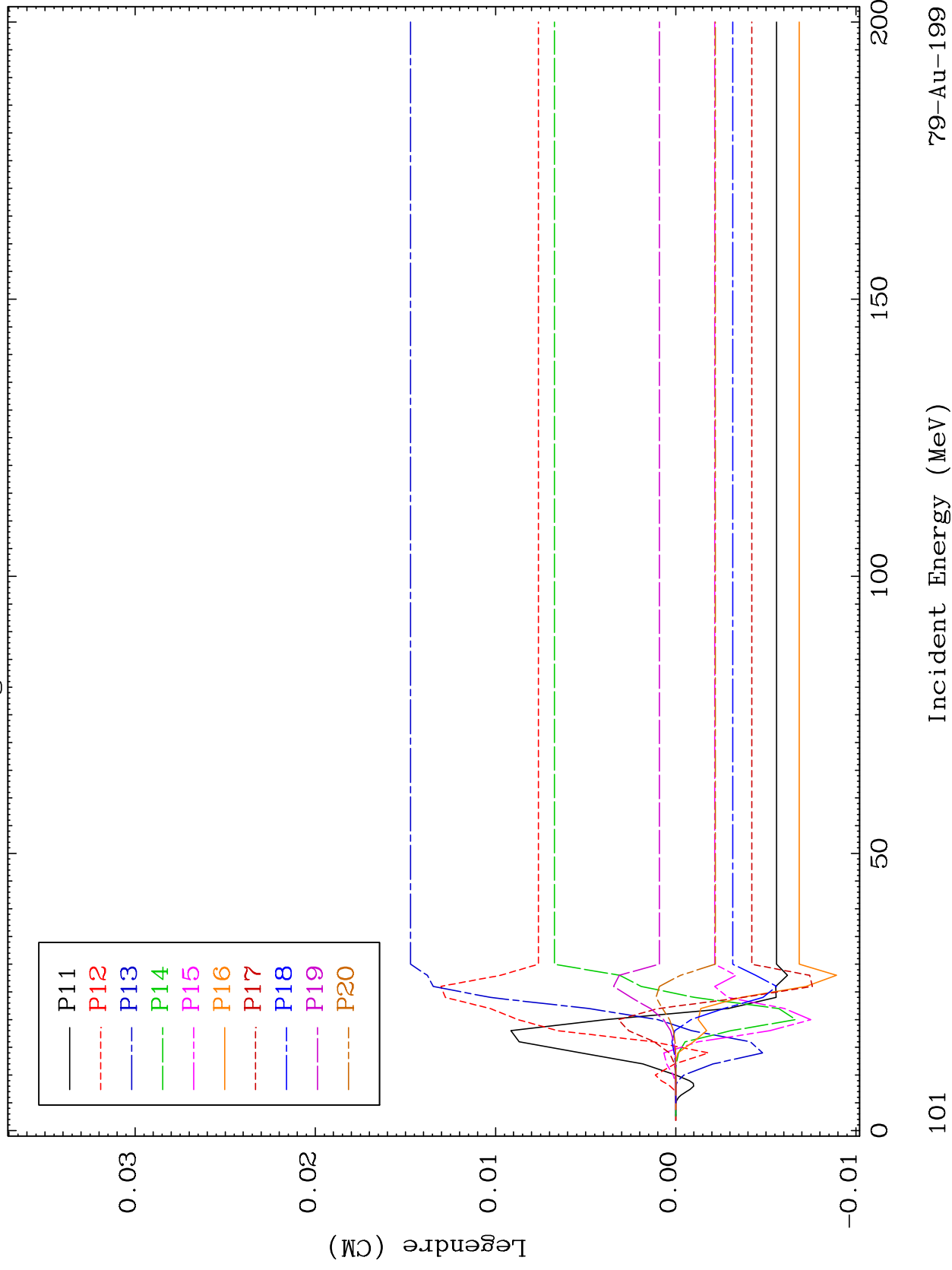




MAT 7931

1.454 MeV (n, n') Level  
Legendre Coefficients

79-Au-199



101

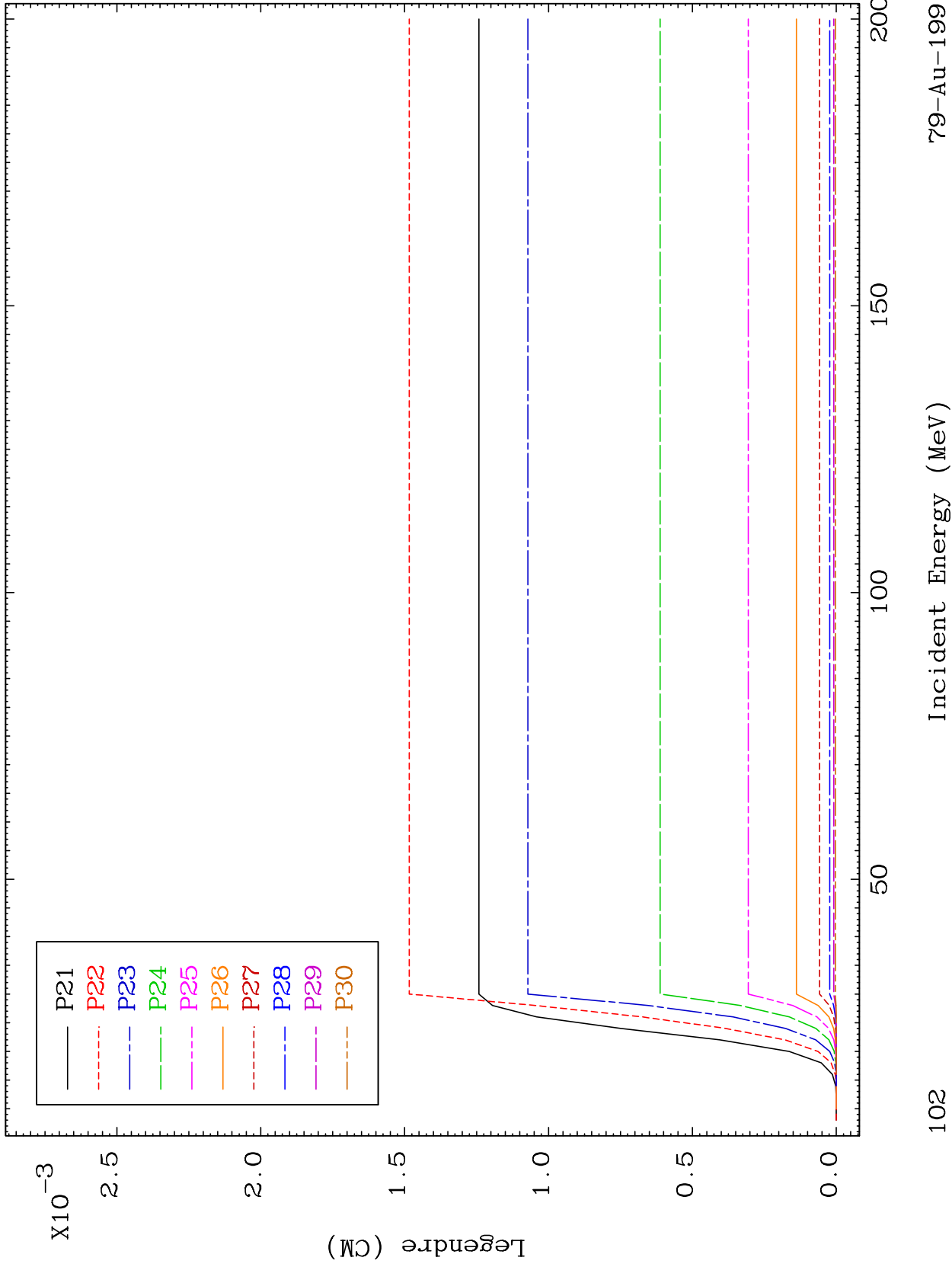
Incident Energy (MeV)

79-Au-199

MAT 7931

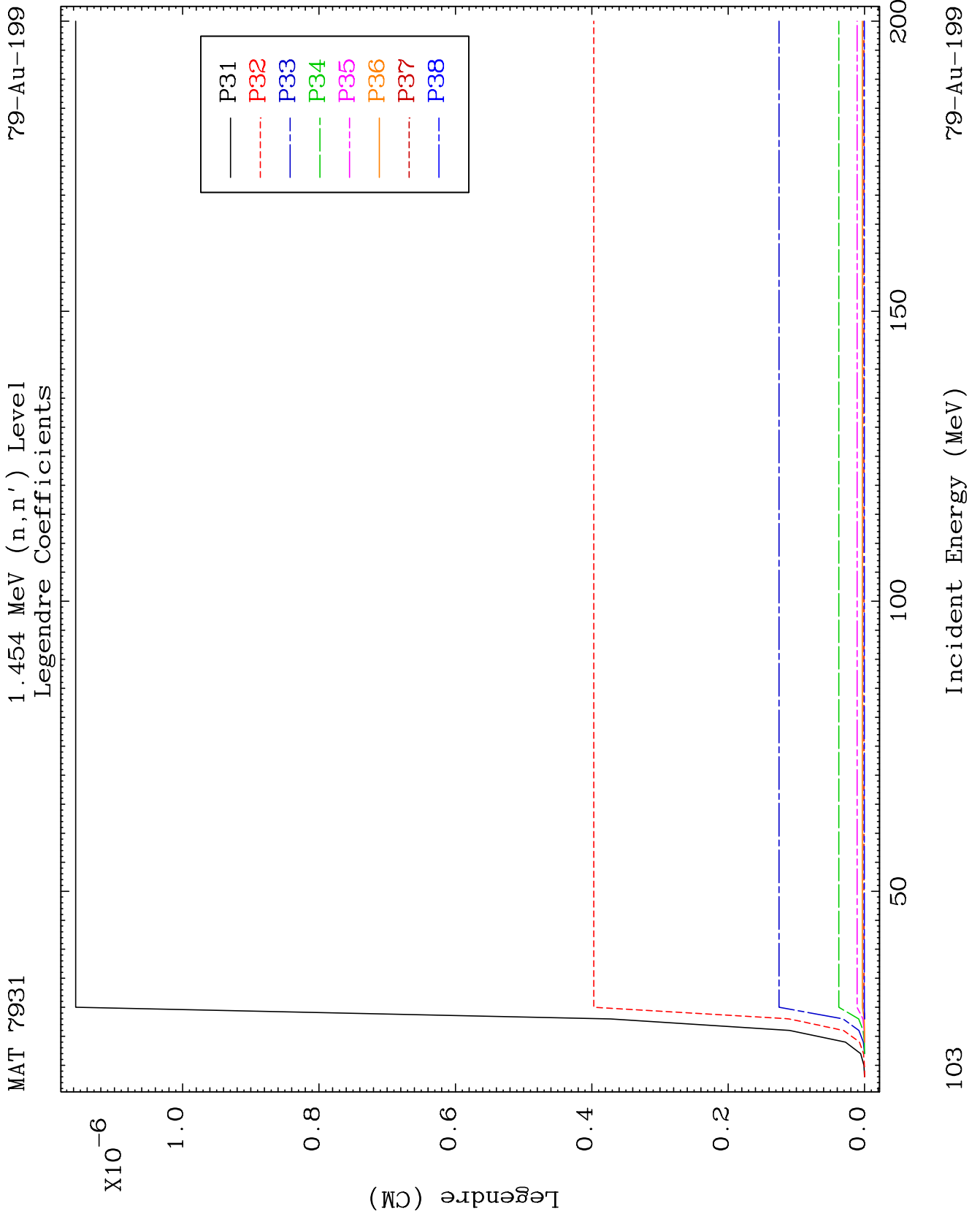
1.454 MeV (n,n') Level  
Legendre Coefficients

79-Au-199



102

79-Au-199

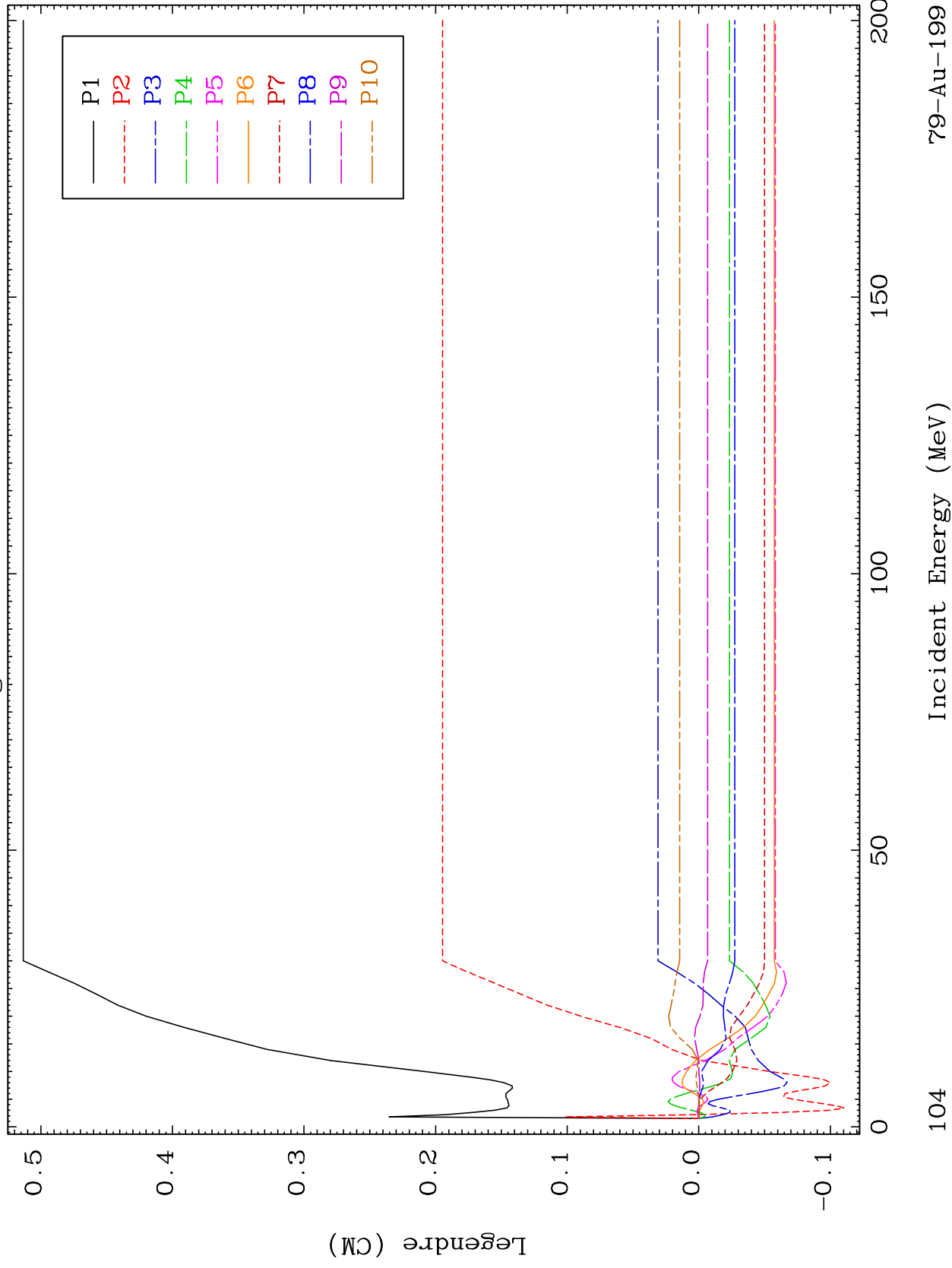




MAT 7931

1.489 MeV (n, n') Level  
Legendre Coefficients

79-Au-199

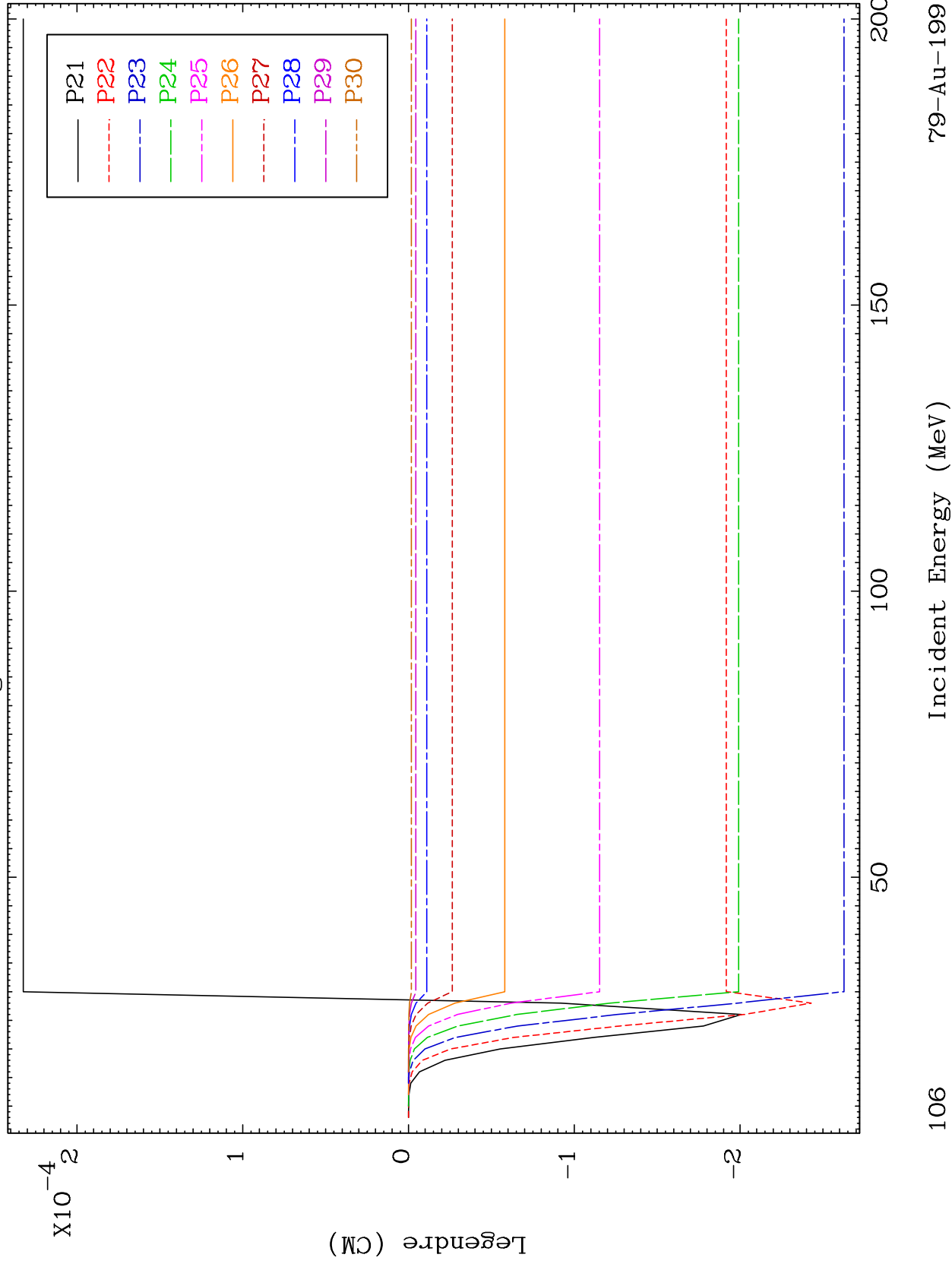


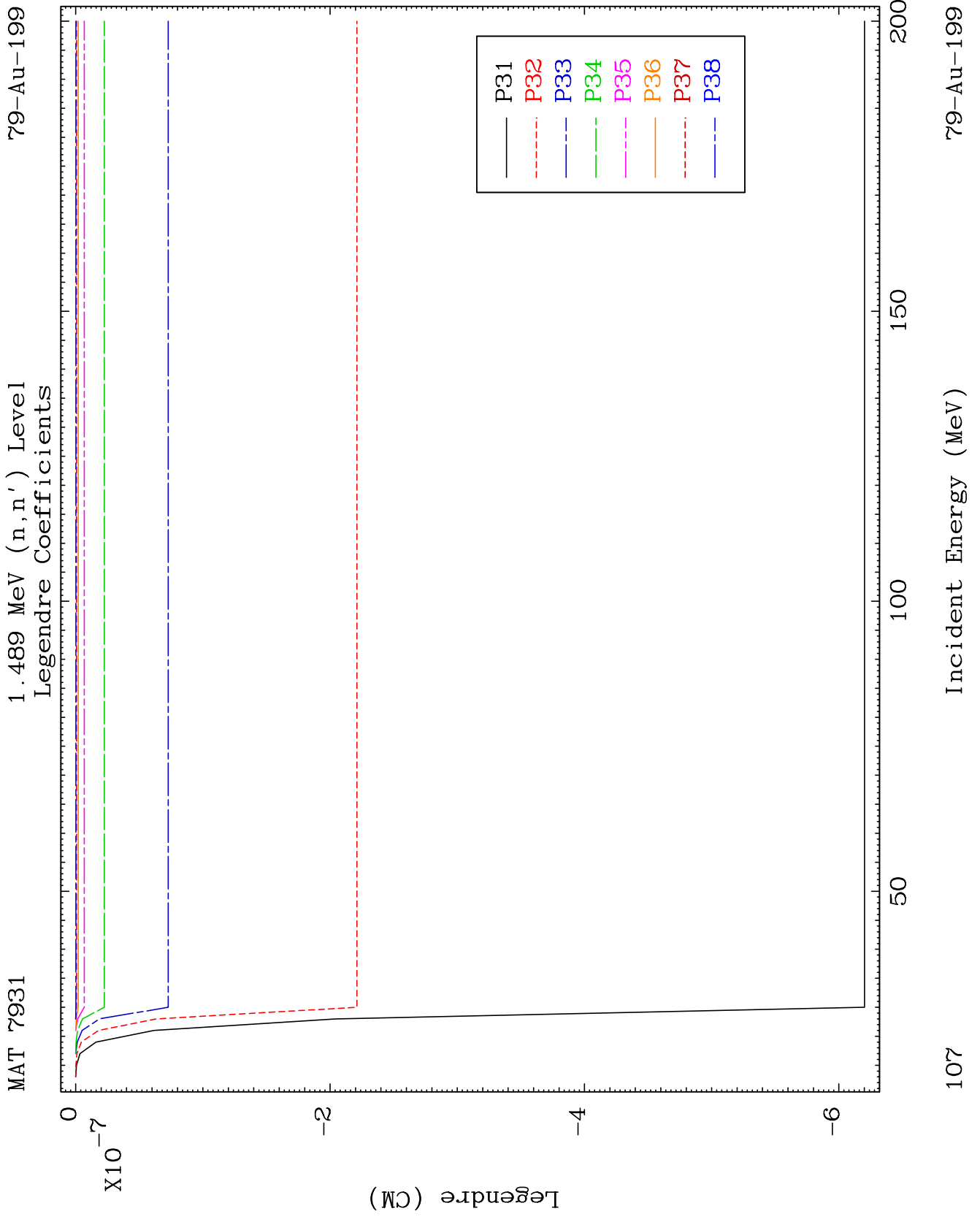
79-Au-199

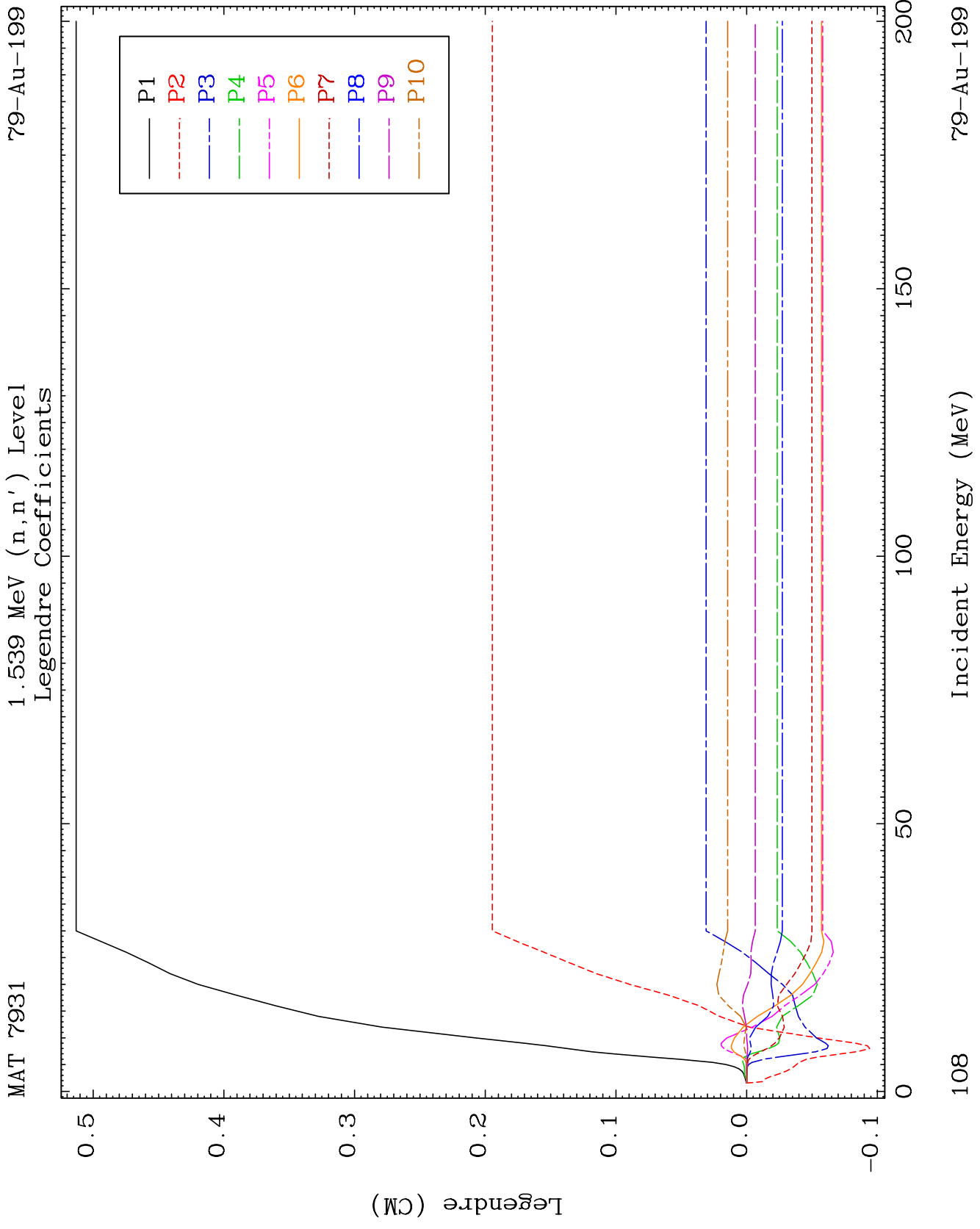
Incident Energy (MeV)

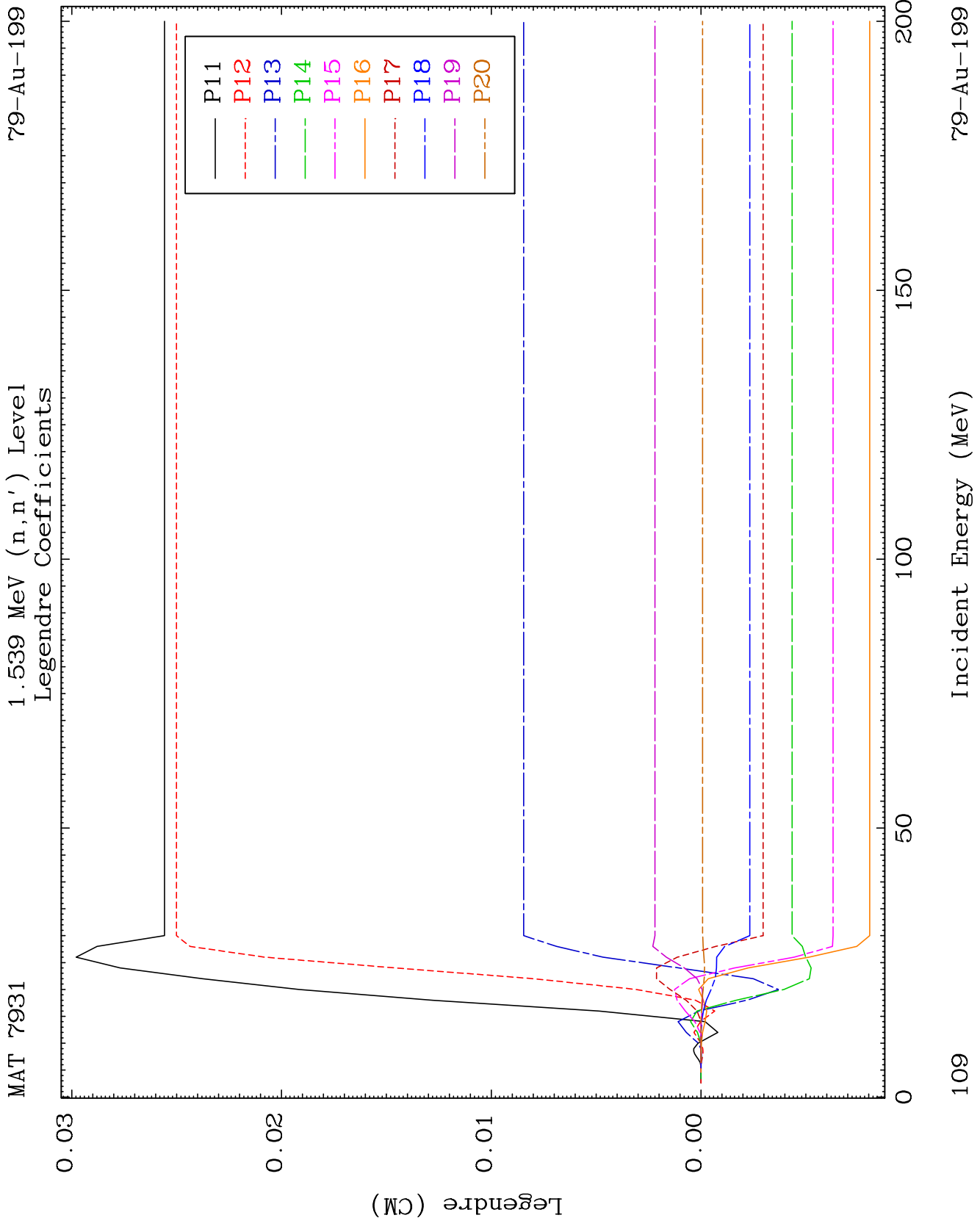
104

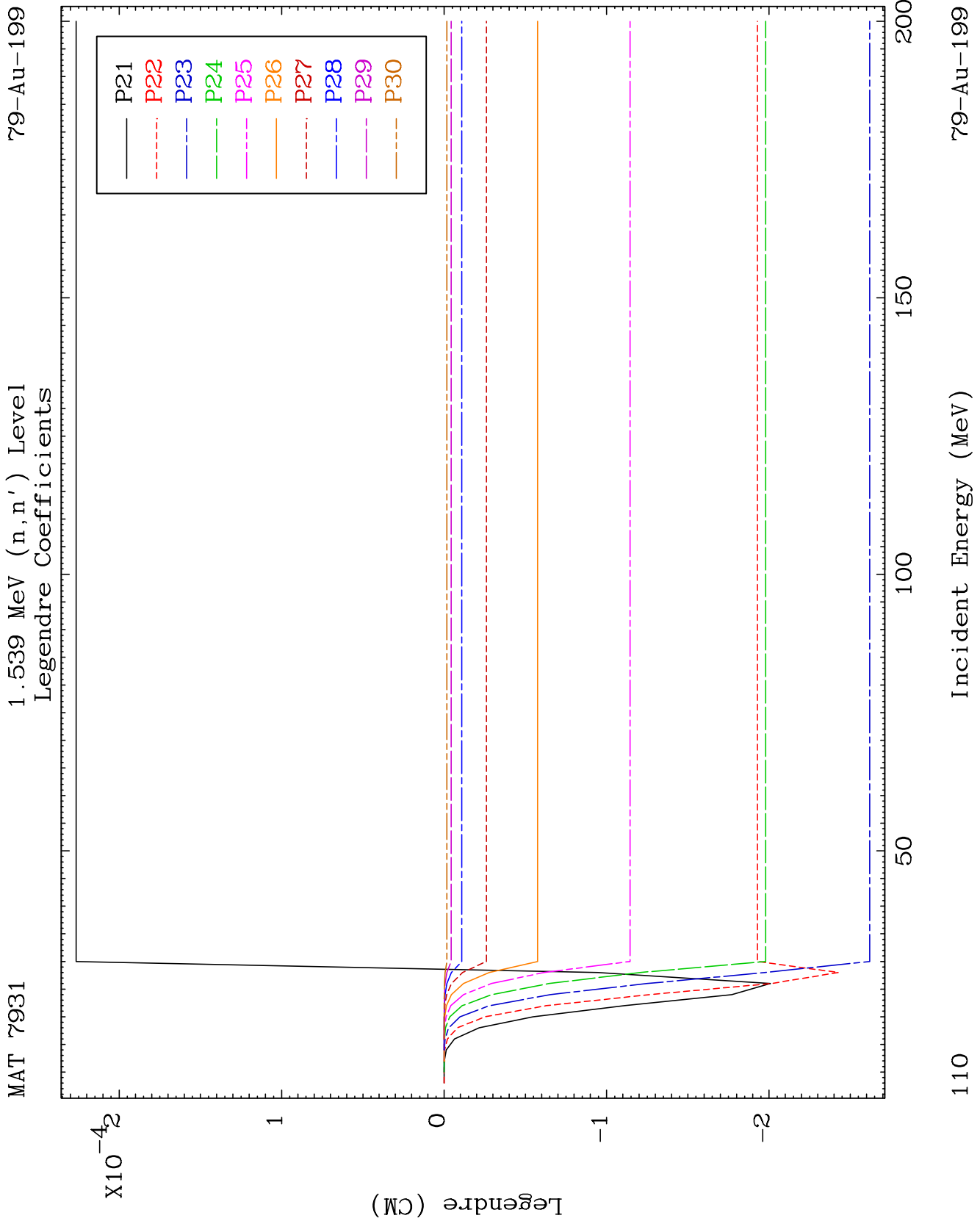


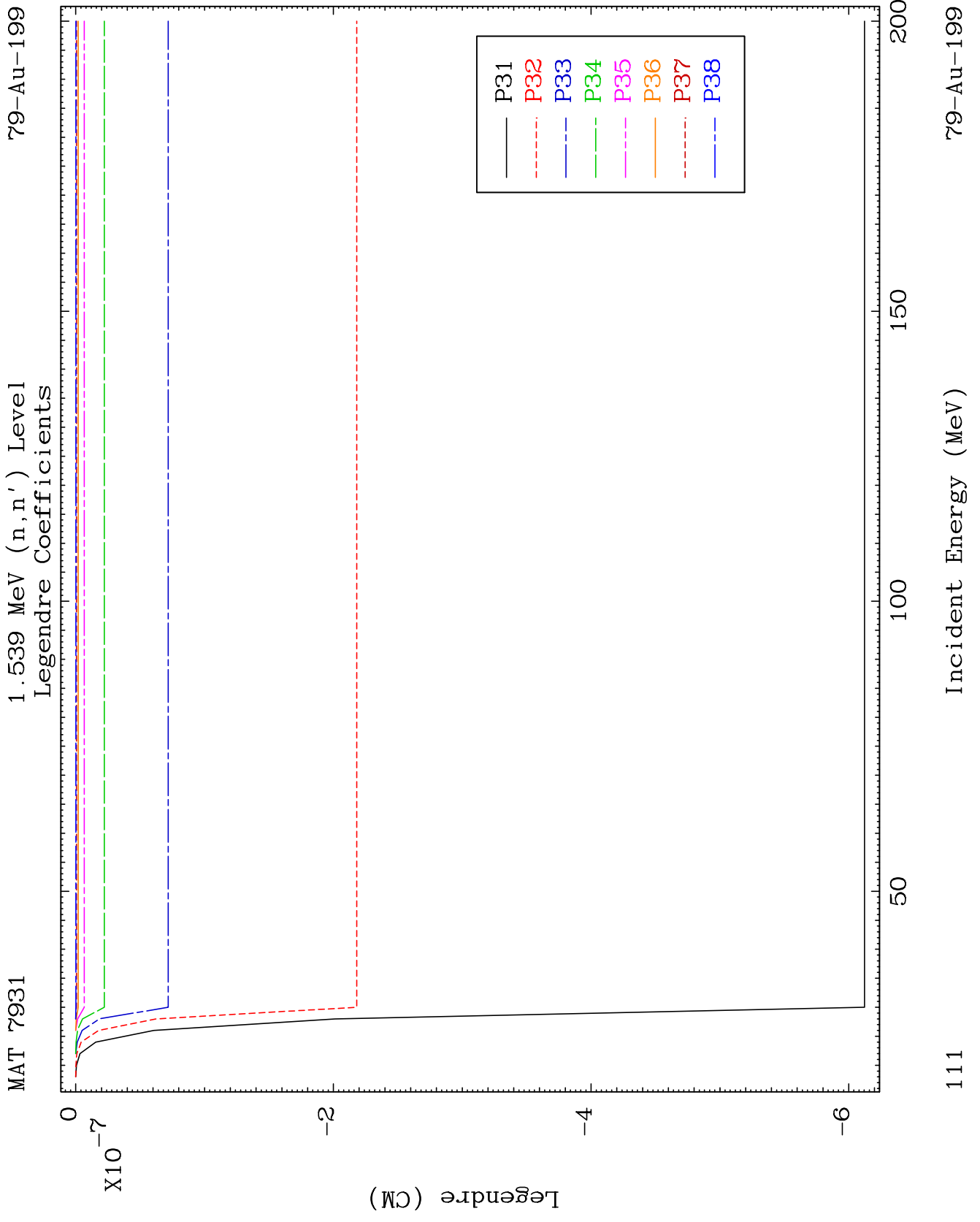










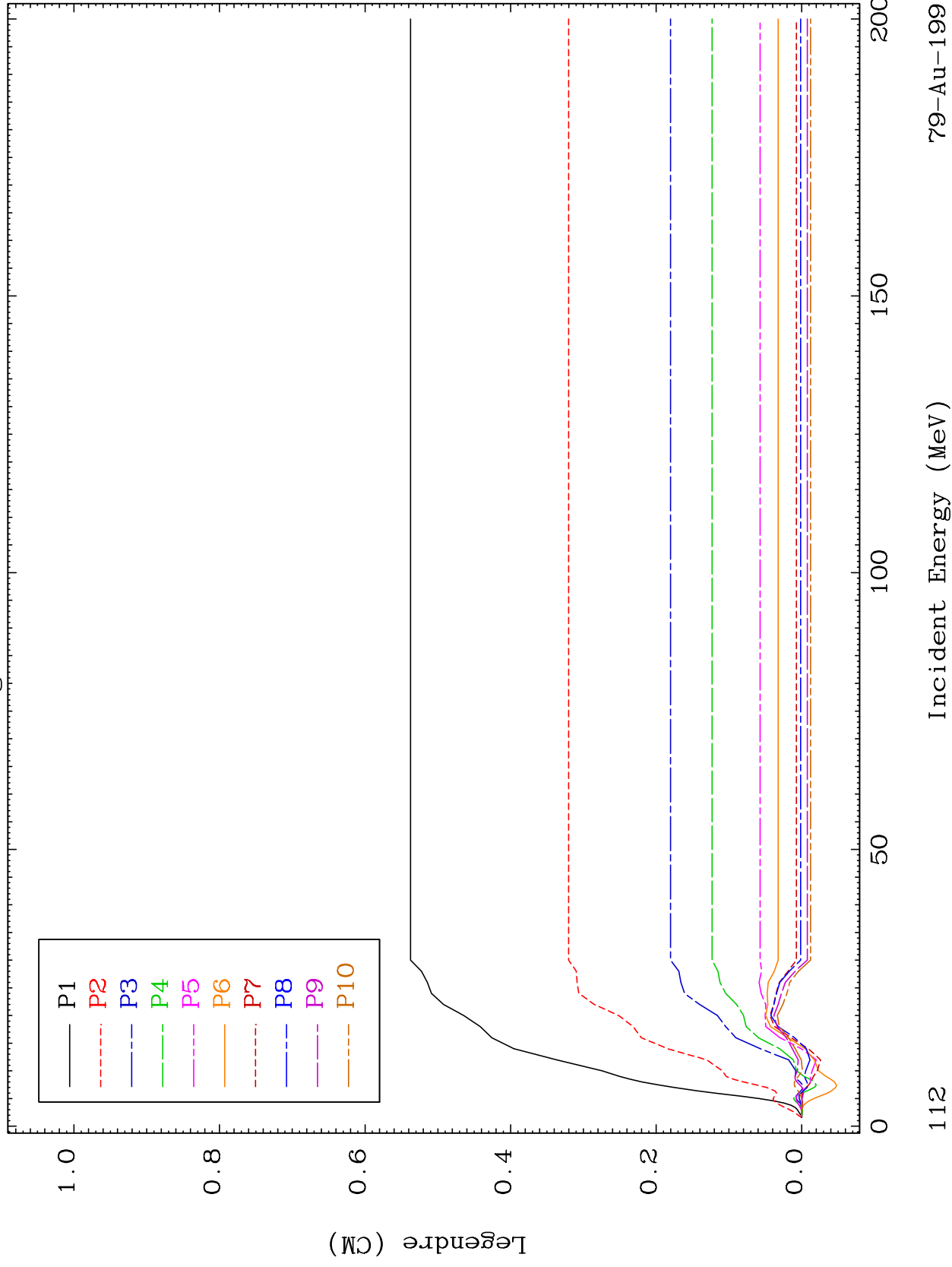




MAT 7931

1.572 MeV (n,n') Level  
Legendre Coefficients

79-Au-199



79-Au-199

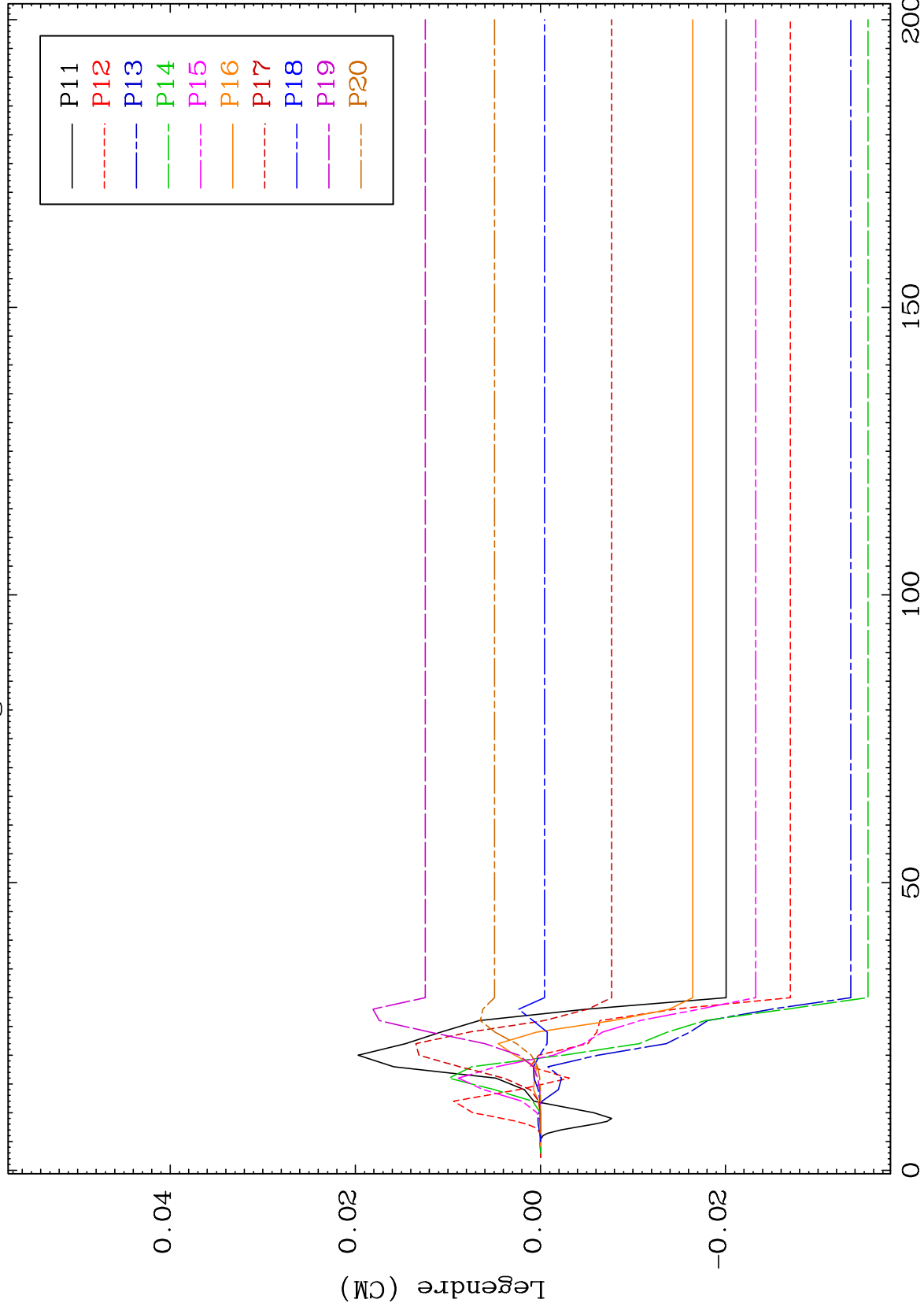
Incident Energy (MeV)

112

MAT 7931

1.572 MeV (n,n') Level  
Legendre Coefficients

79-Au-199



113

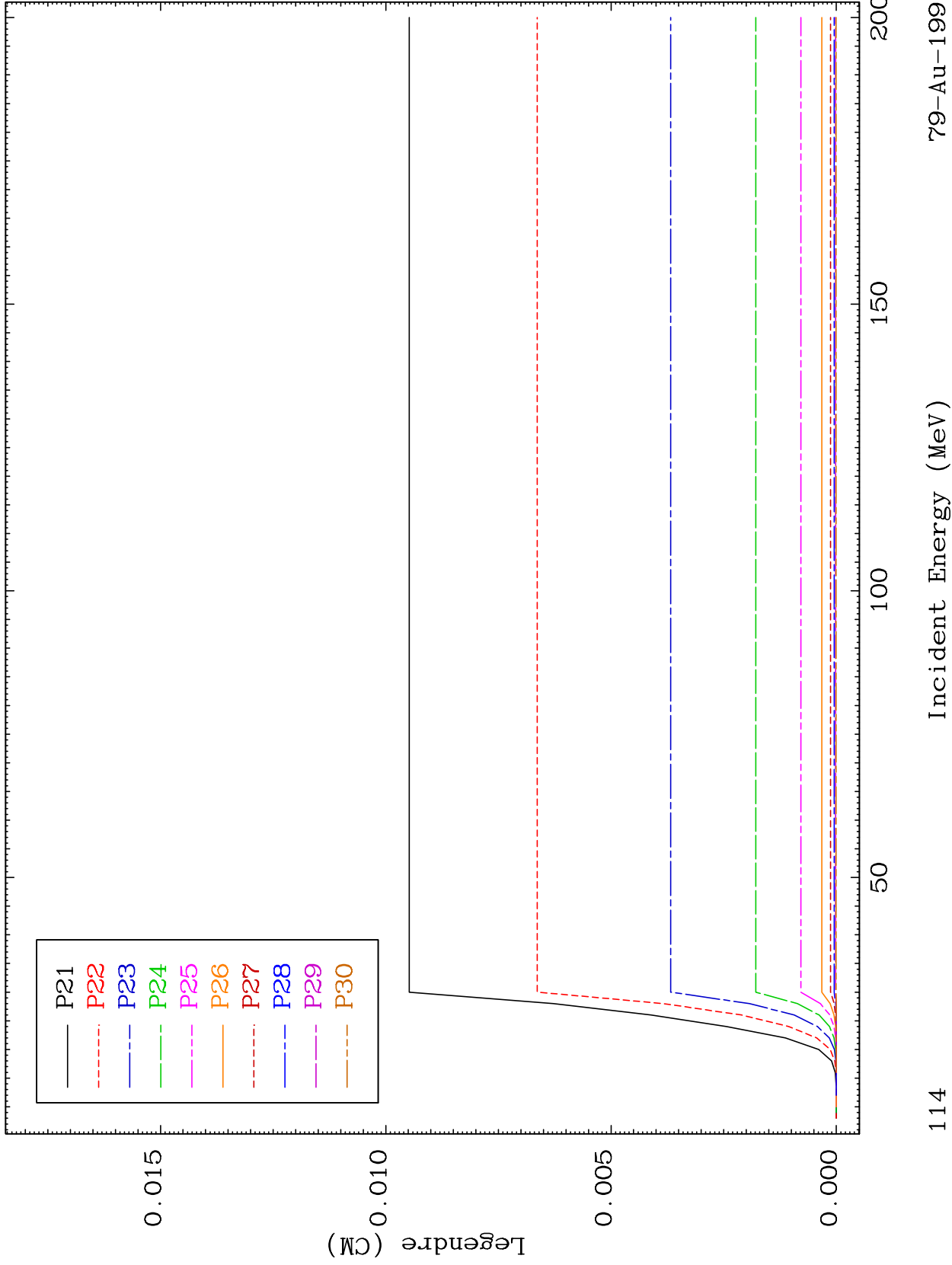
Incident Energy (MeV)

79-Au-199

MAT 7931

1.572 MeV (n,n') Level  
Legendre Coefficients

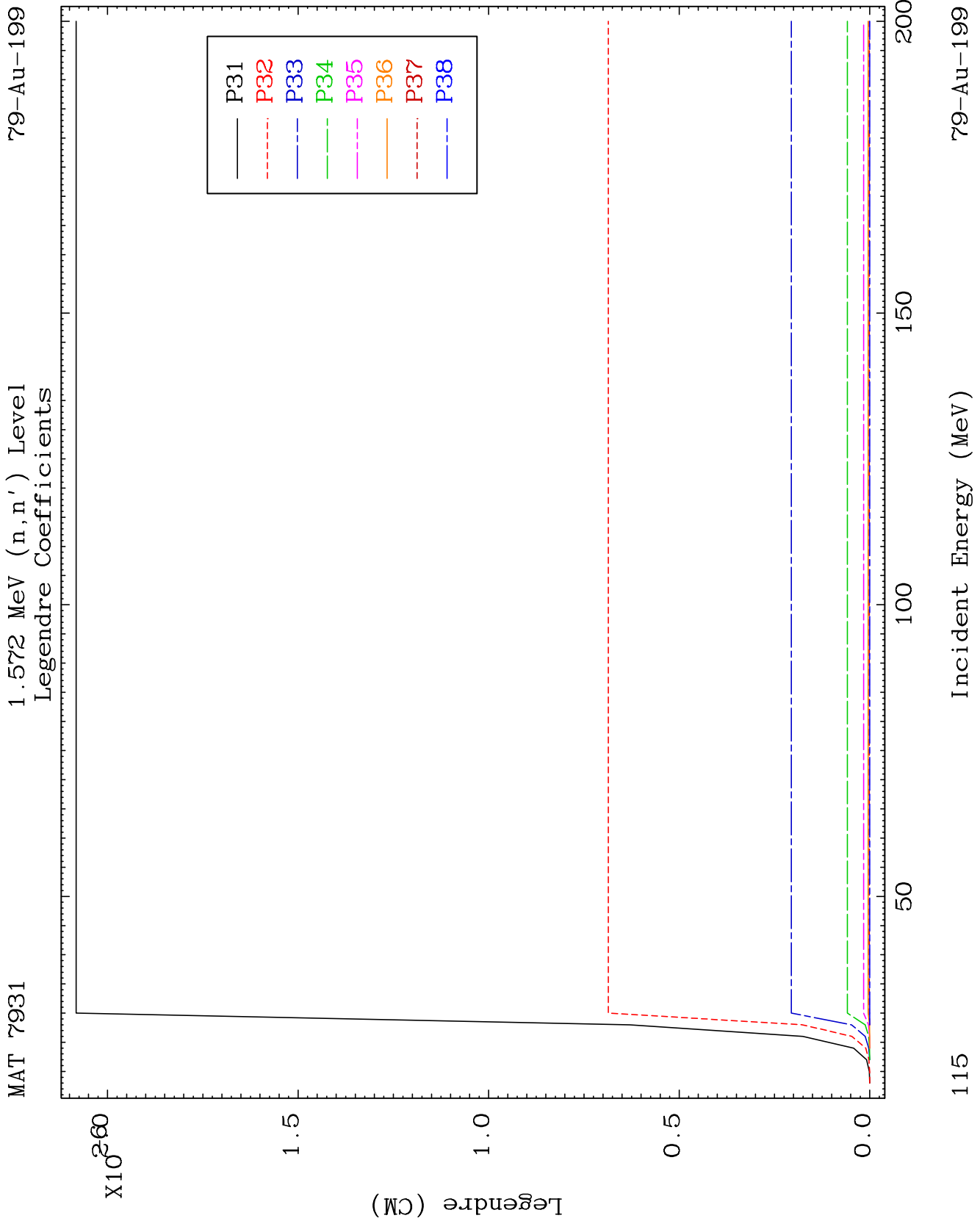
79-Au-199



114

Incident Energy (MeV)

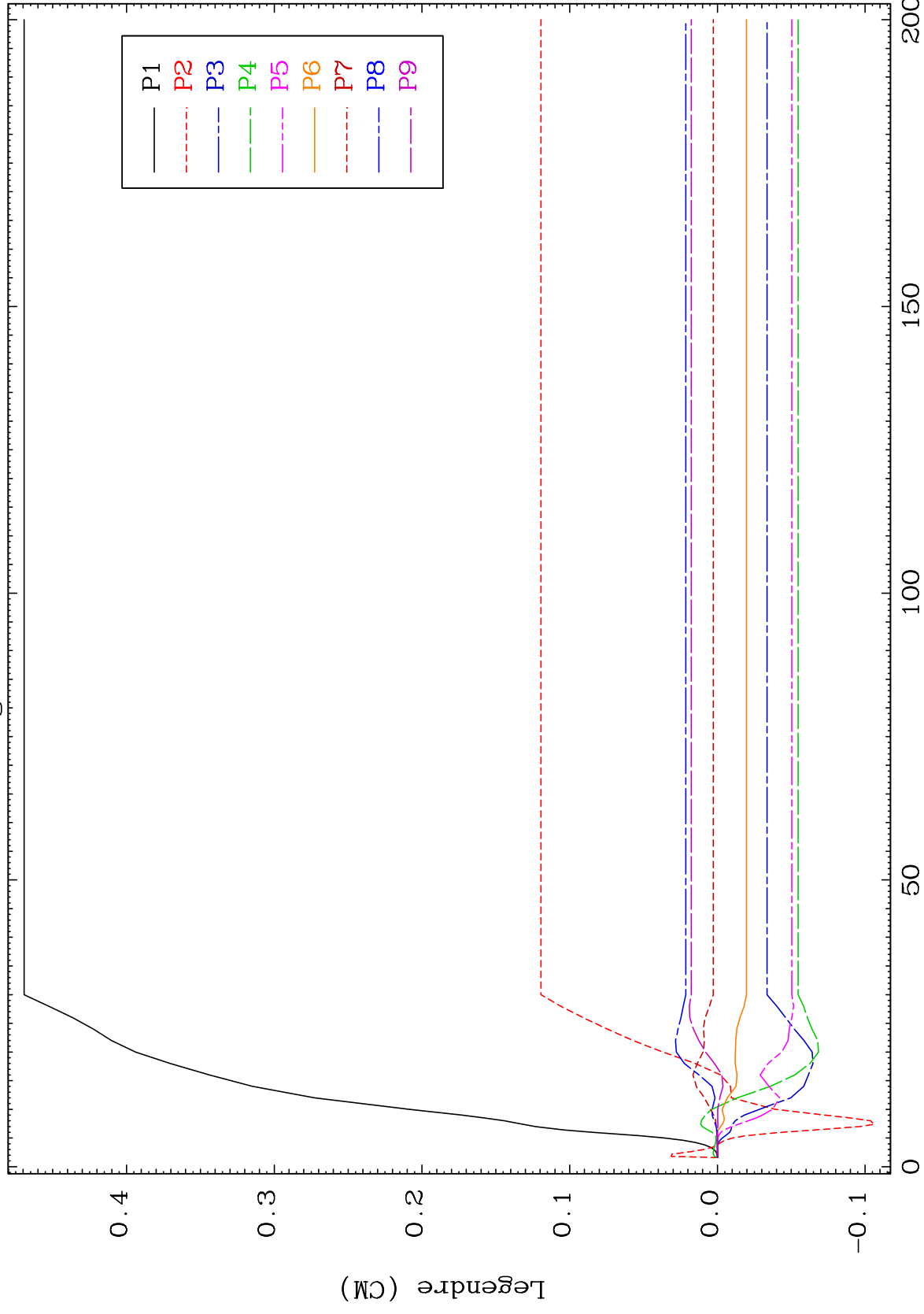
79-Au-199



MAT 7931

1.583 MeV (n,n') Level  
Legendre Coefficients

79-Au-199



116

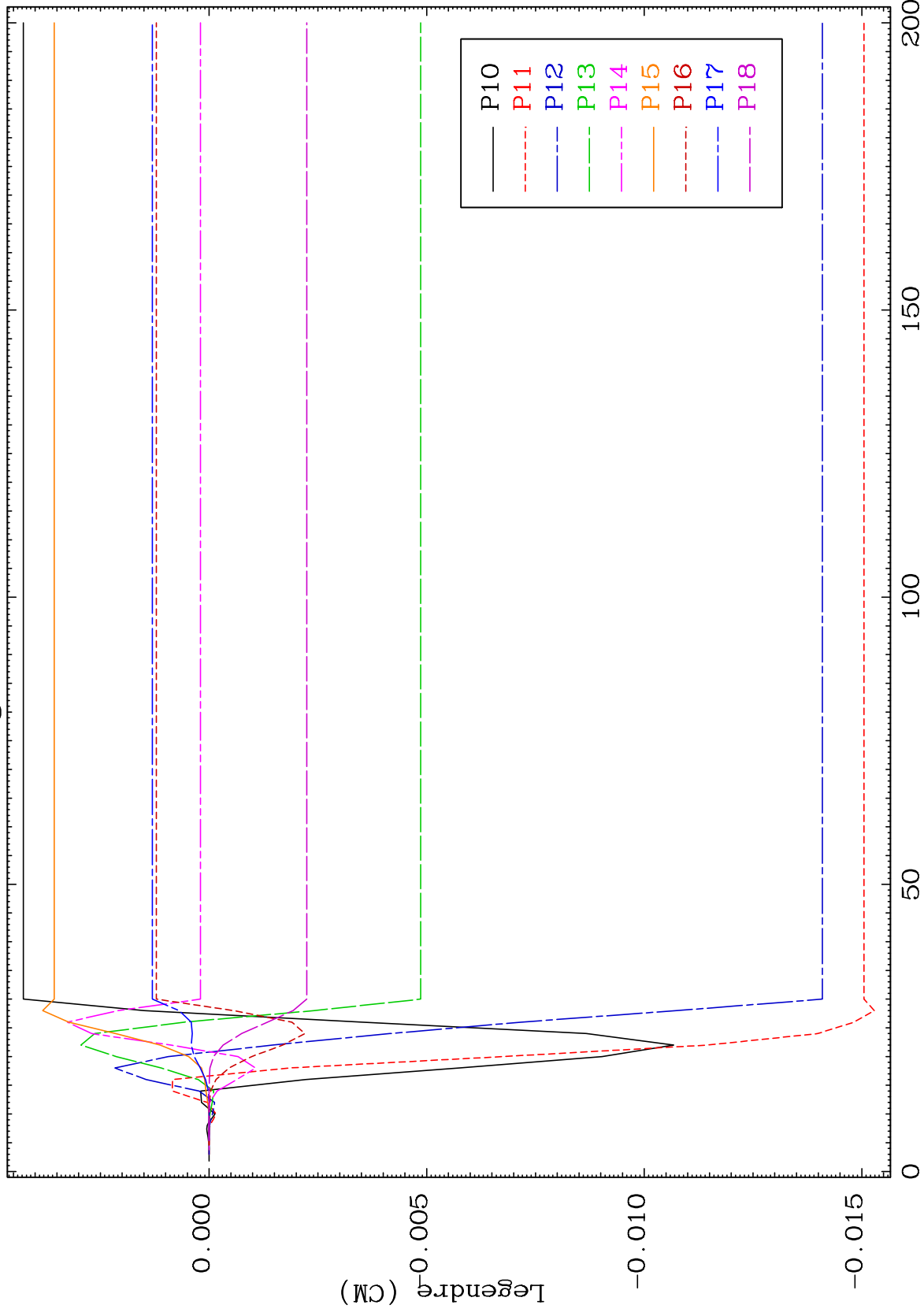
Incident Energy (MeV)

79-Au-199

MAT 7931

1.583 MeV (n,n') Level  
Legendre Coefficients

79-Au-199



117

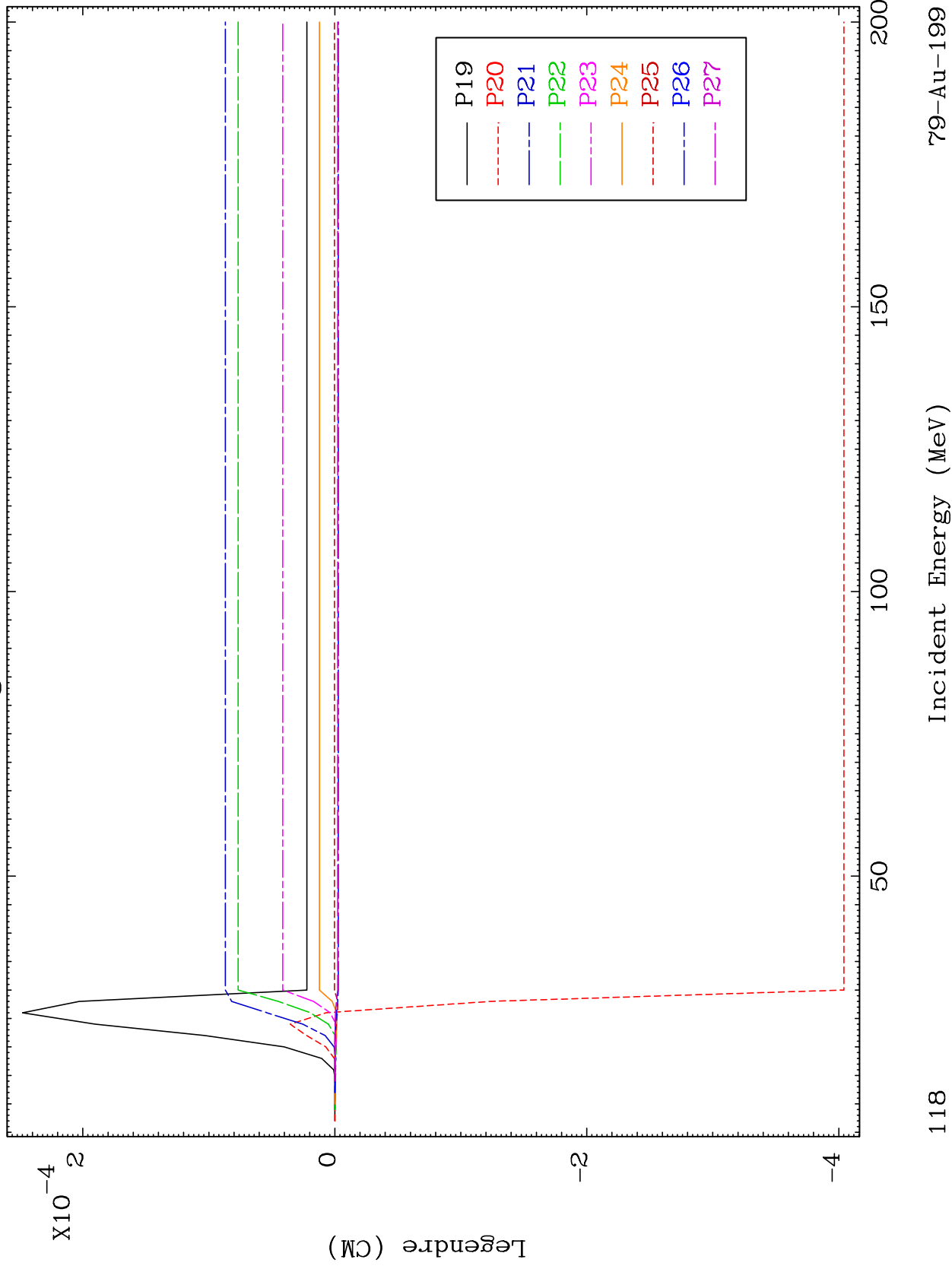
Incident Energy (MeV)

79-Au-199

MAT 7931

1.583 MeV (n, n') Level  
Legendre Coefficients

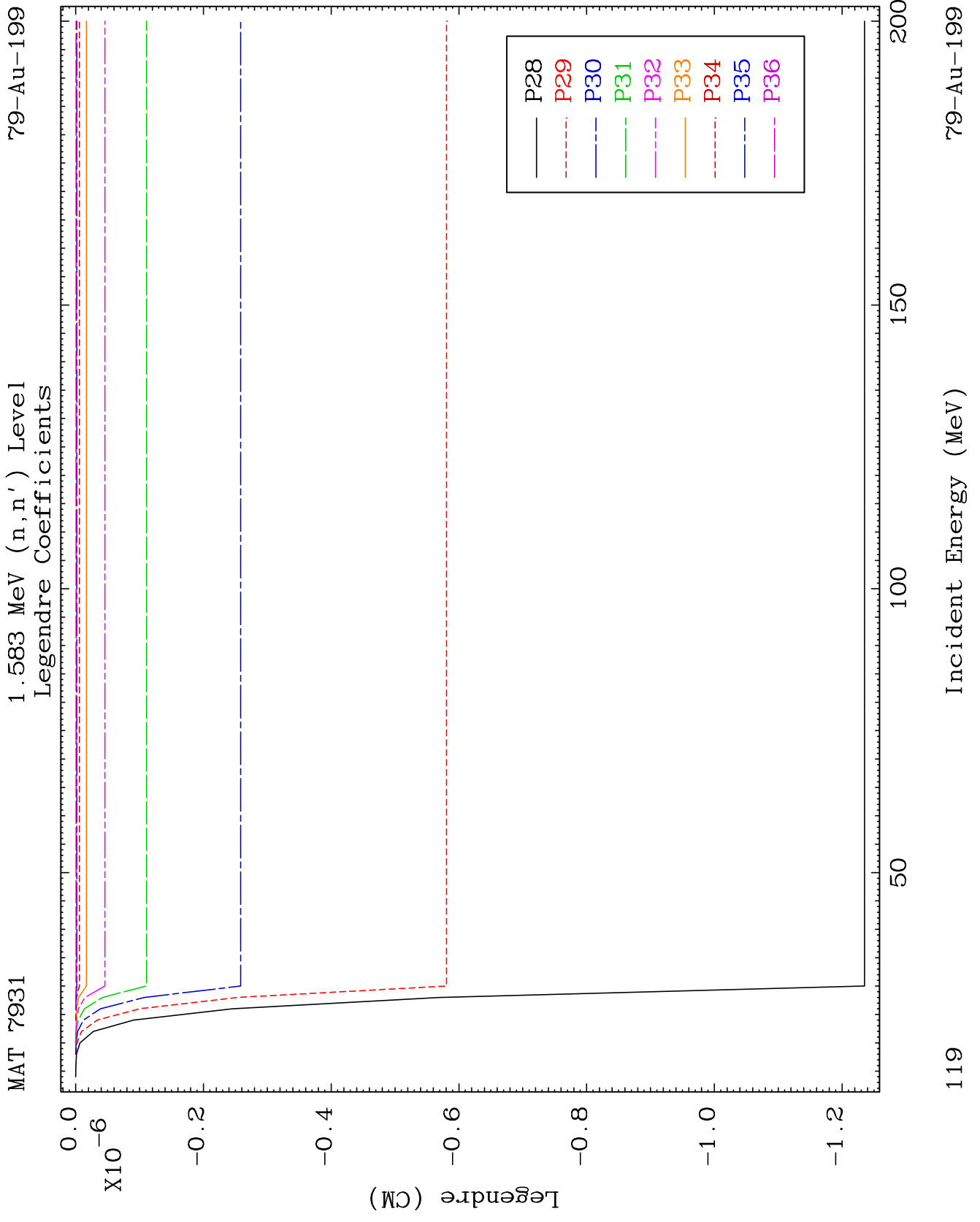
79-Au-199



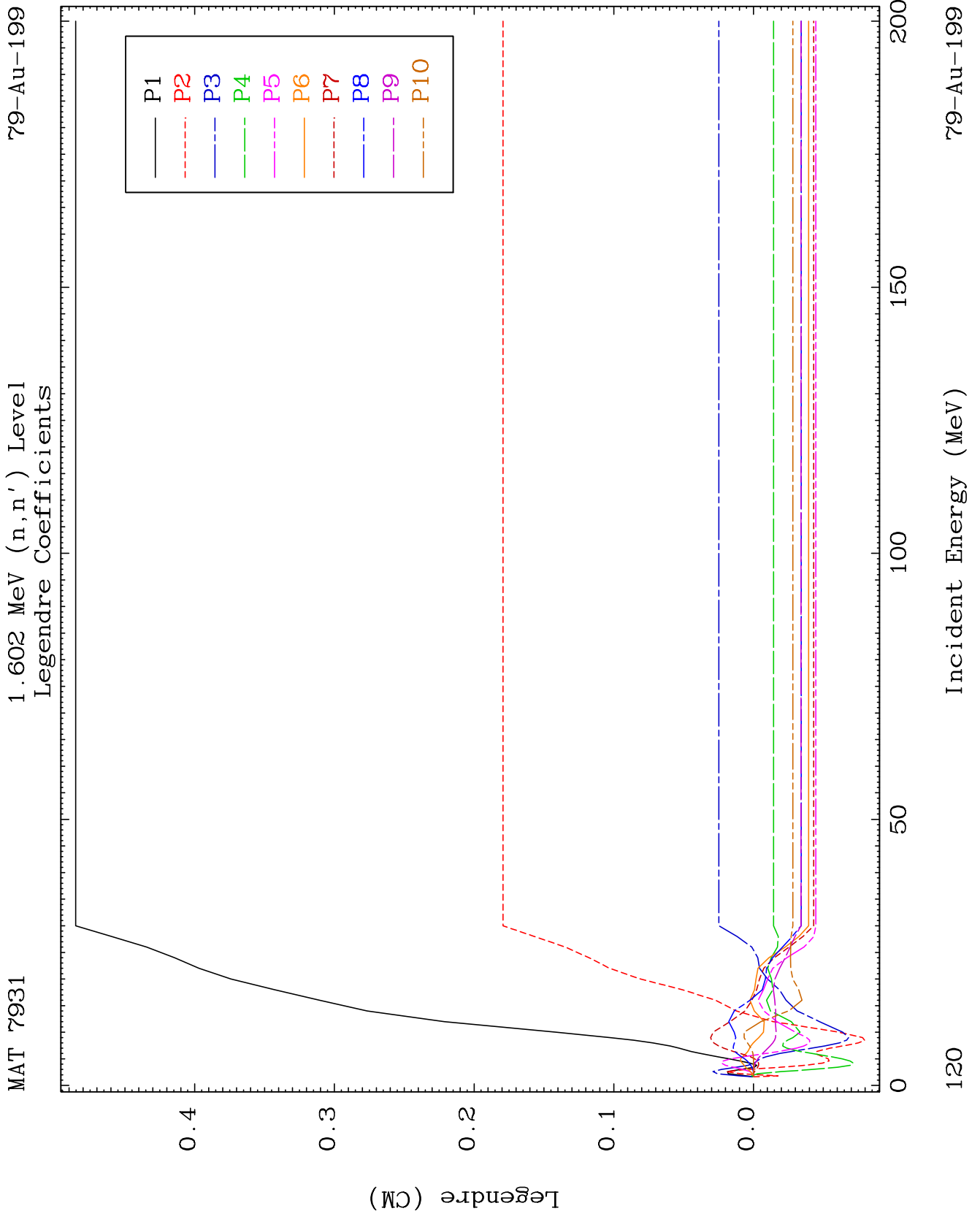
118

Incident Energy (MeV)

79-Au-199



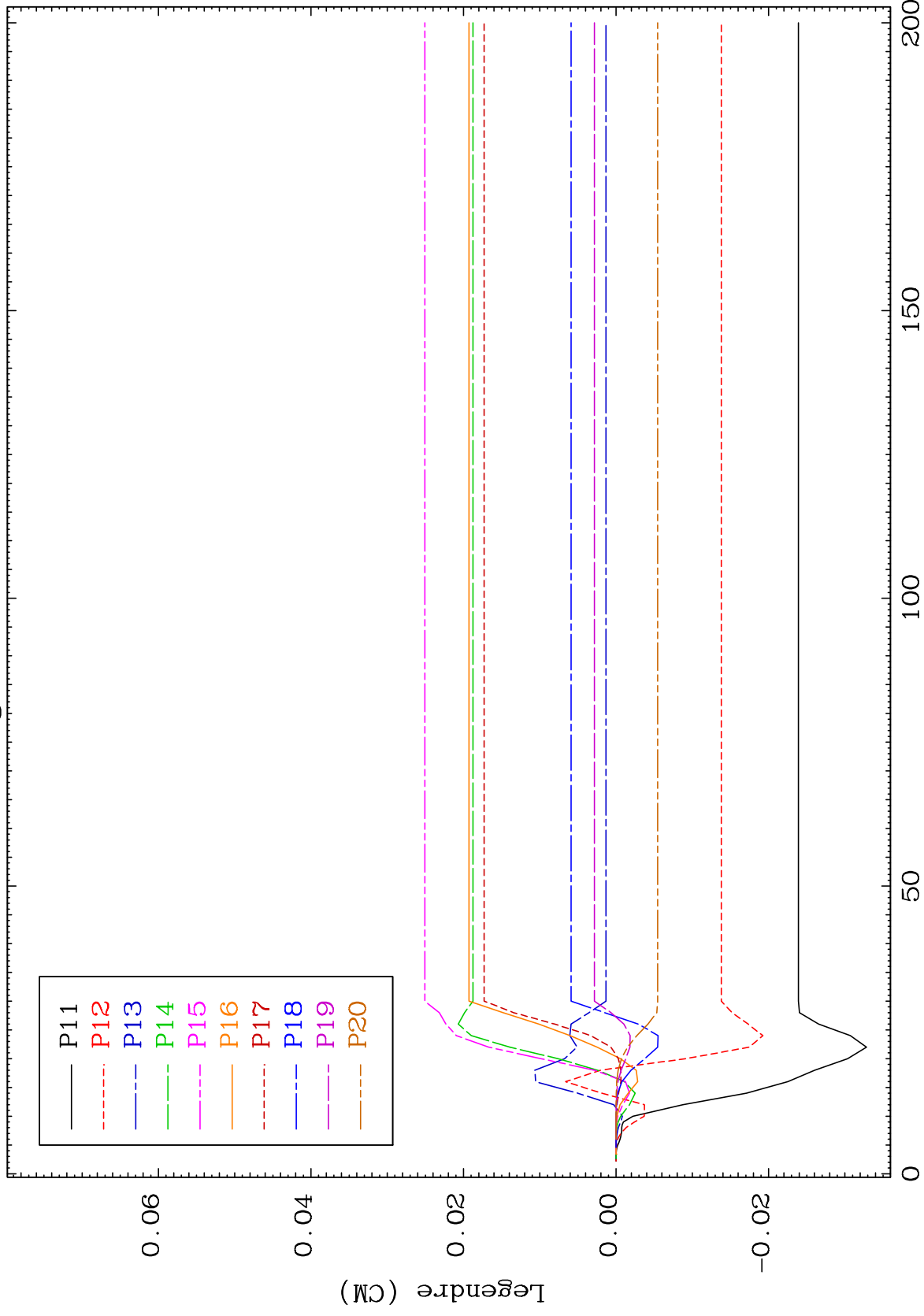




MAT 7931

1.602 MeV (n,n') Level  
Legendre Coefficients

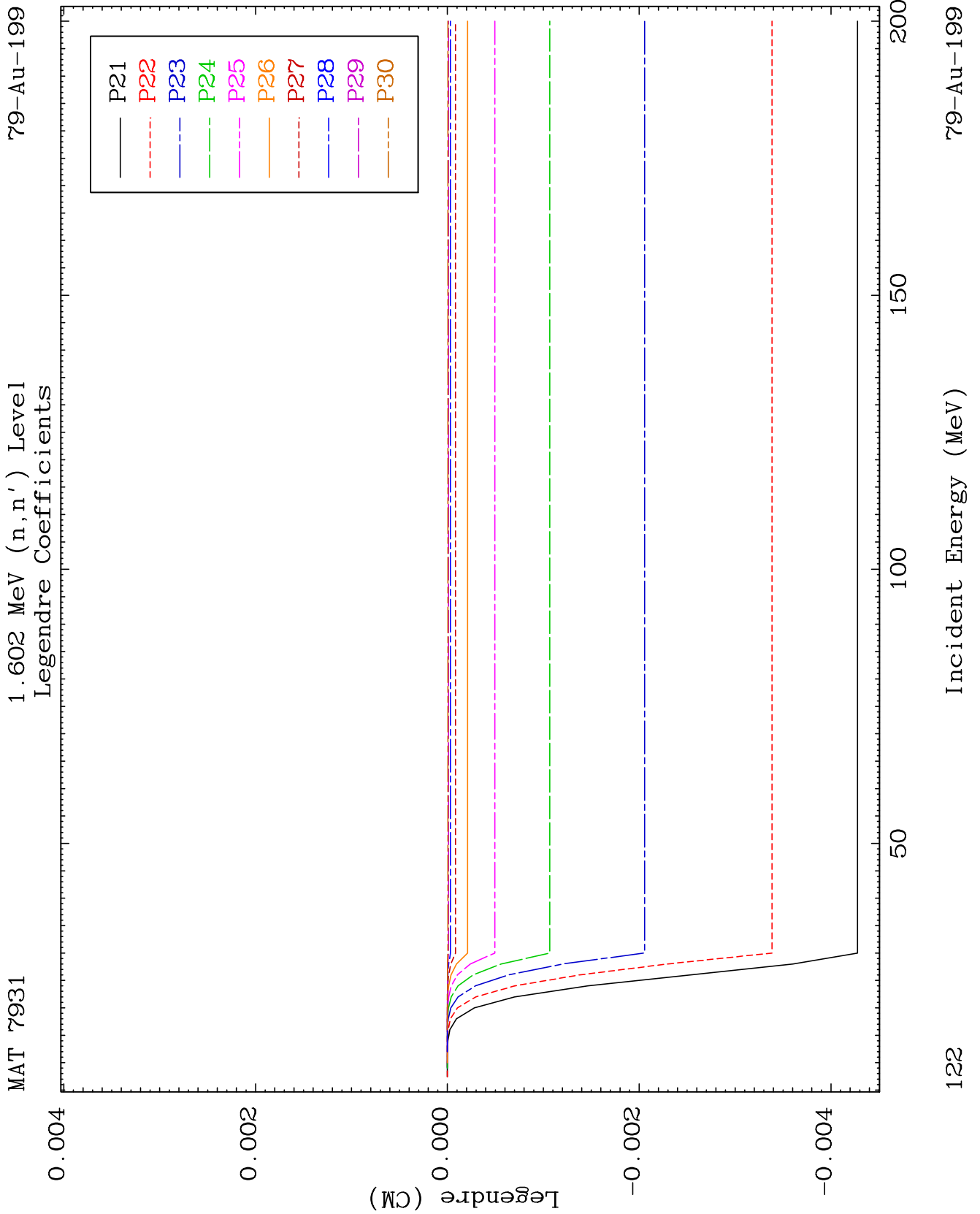
79-Au-199

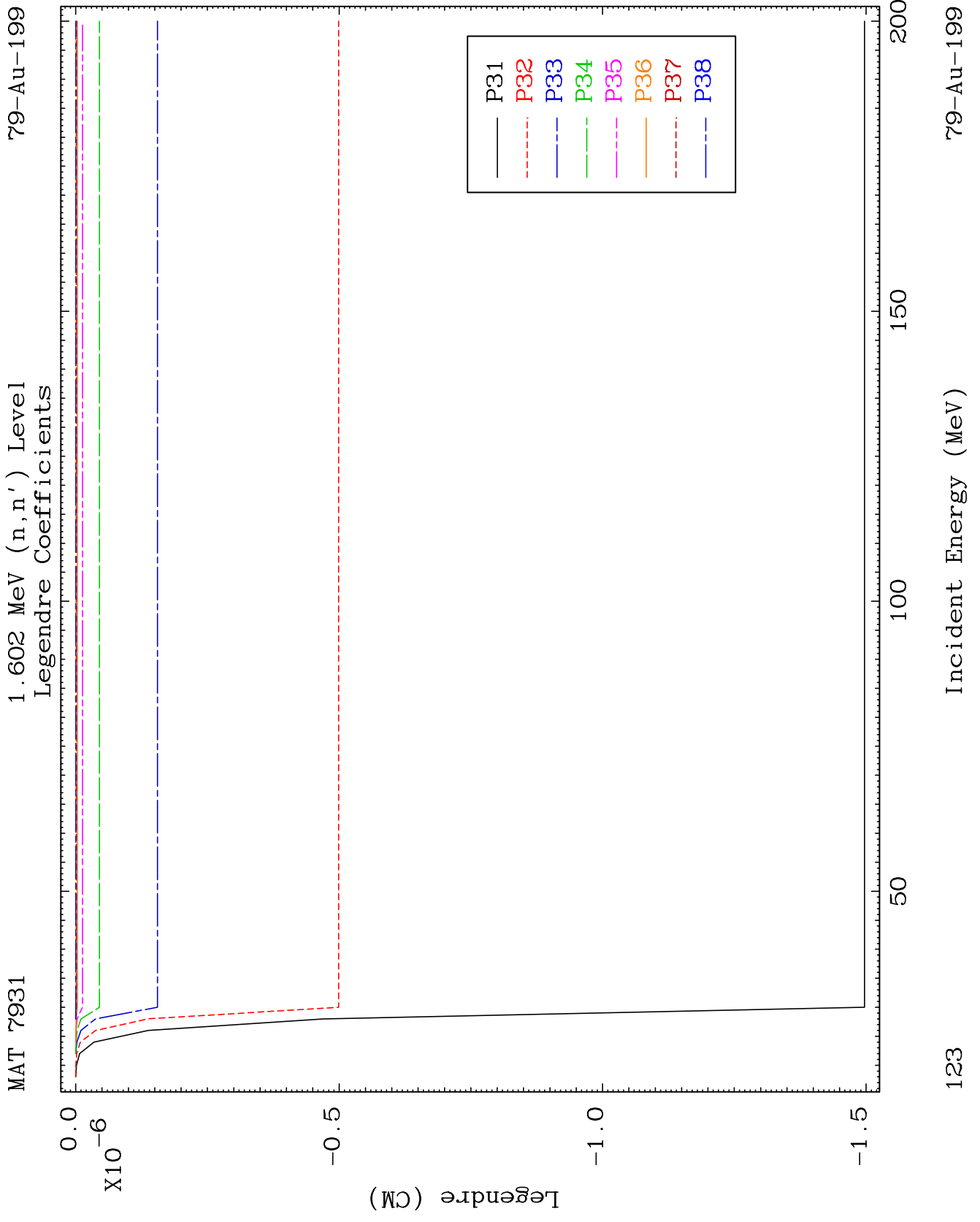


121

Incident Energy (MeV)

79-Au-199

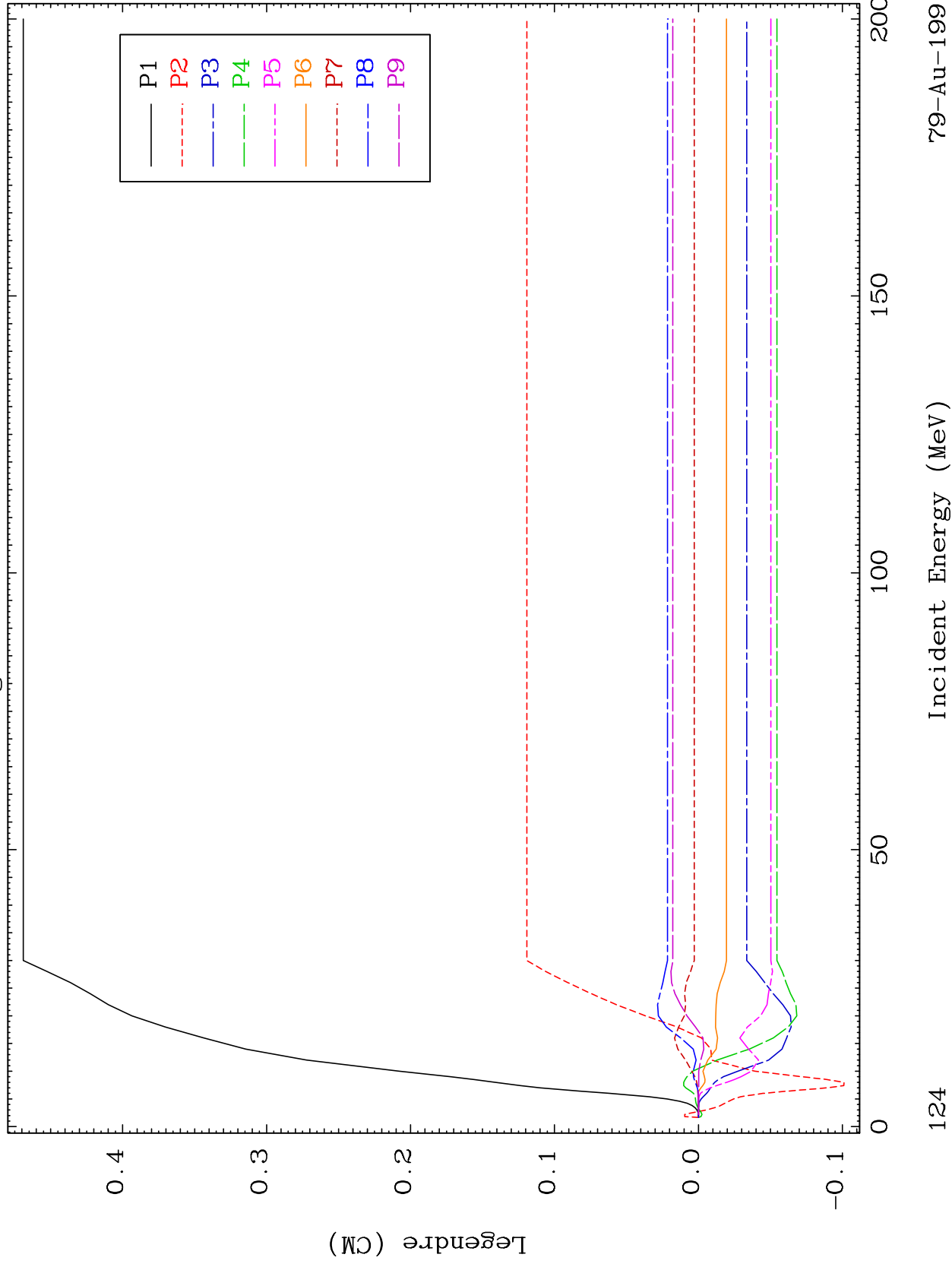




MAT 7931

1.635 MeV (n, n') Level  
Legendre Coefficients

79-Au-199



79-Au-199

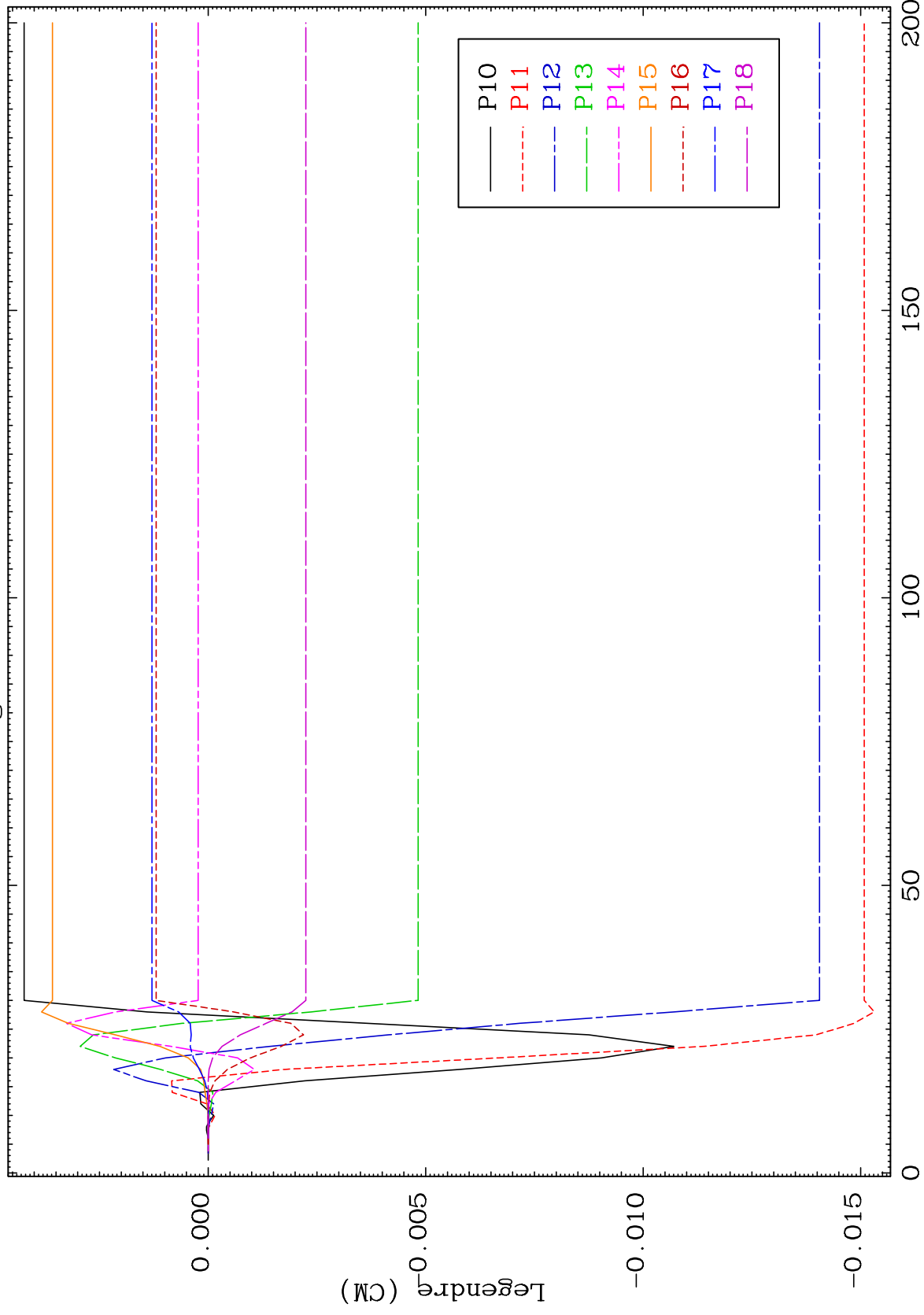
Incident Energy (MeV)

124

MAT 7931

1.635 MeV (n,n') Level  
Legendre Coefficients

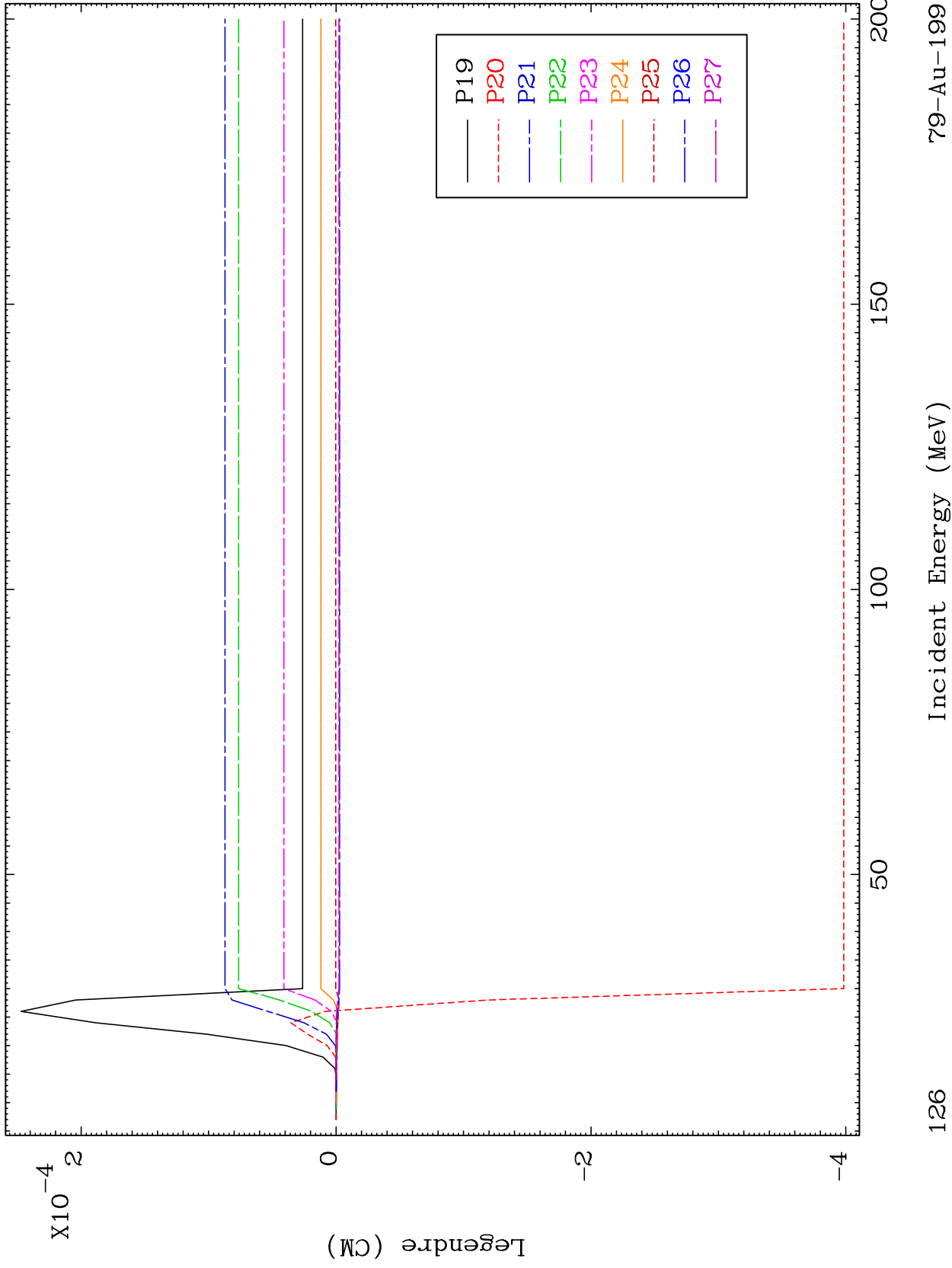
79-Au-199

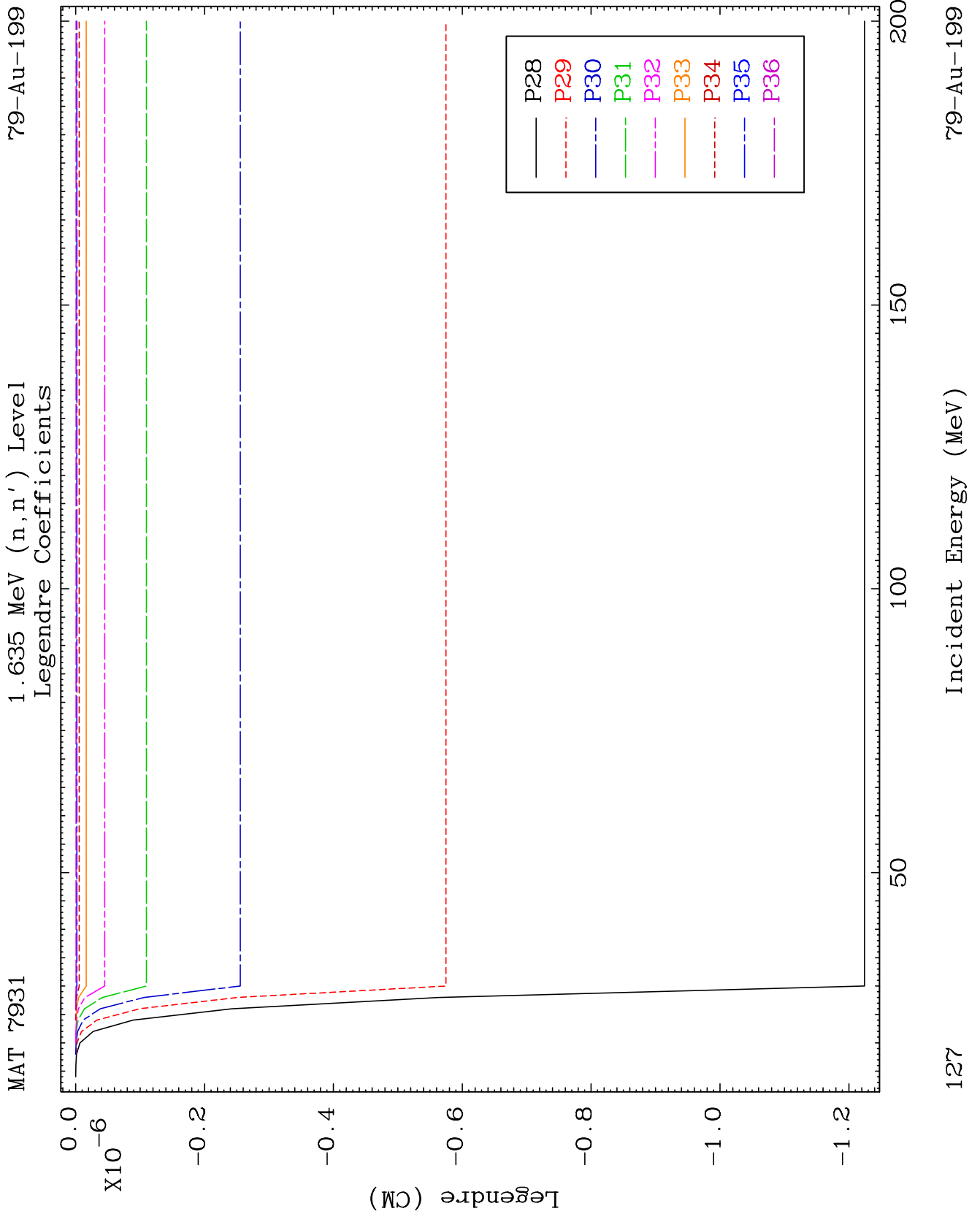


125

Incident Energy (MeV)

79-Au-199



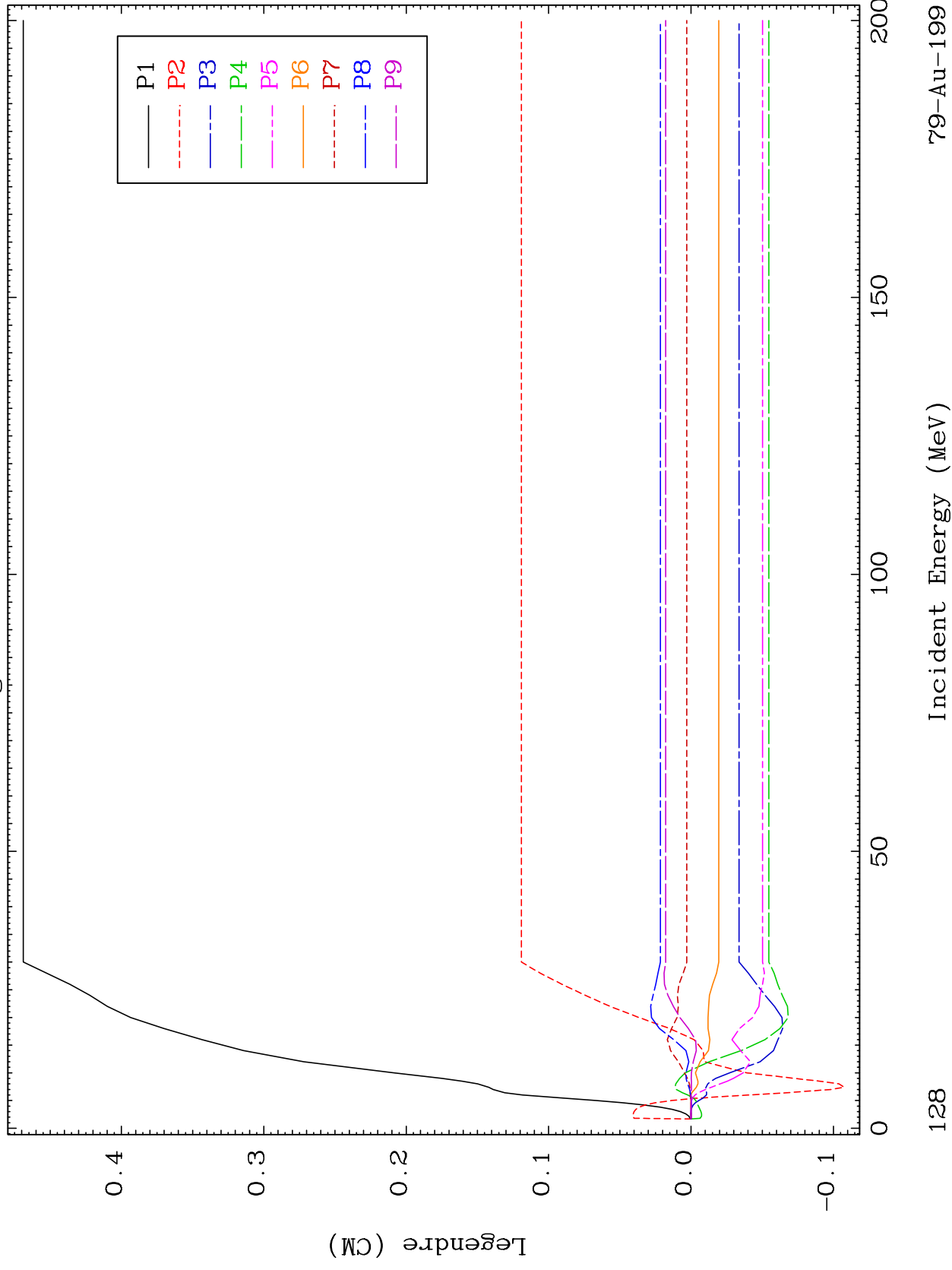




MAT 7931

1.660 MeV (n,n') Level  
Legendre Coefficients

79-Au-199



79-Au-199

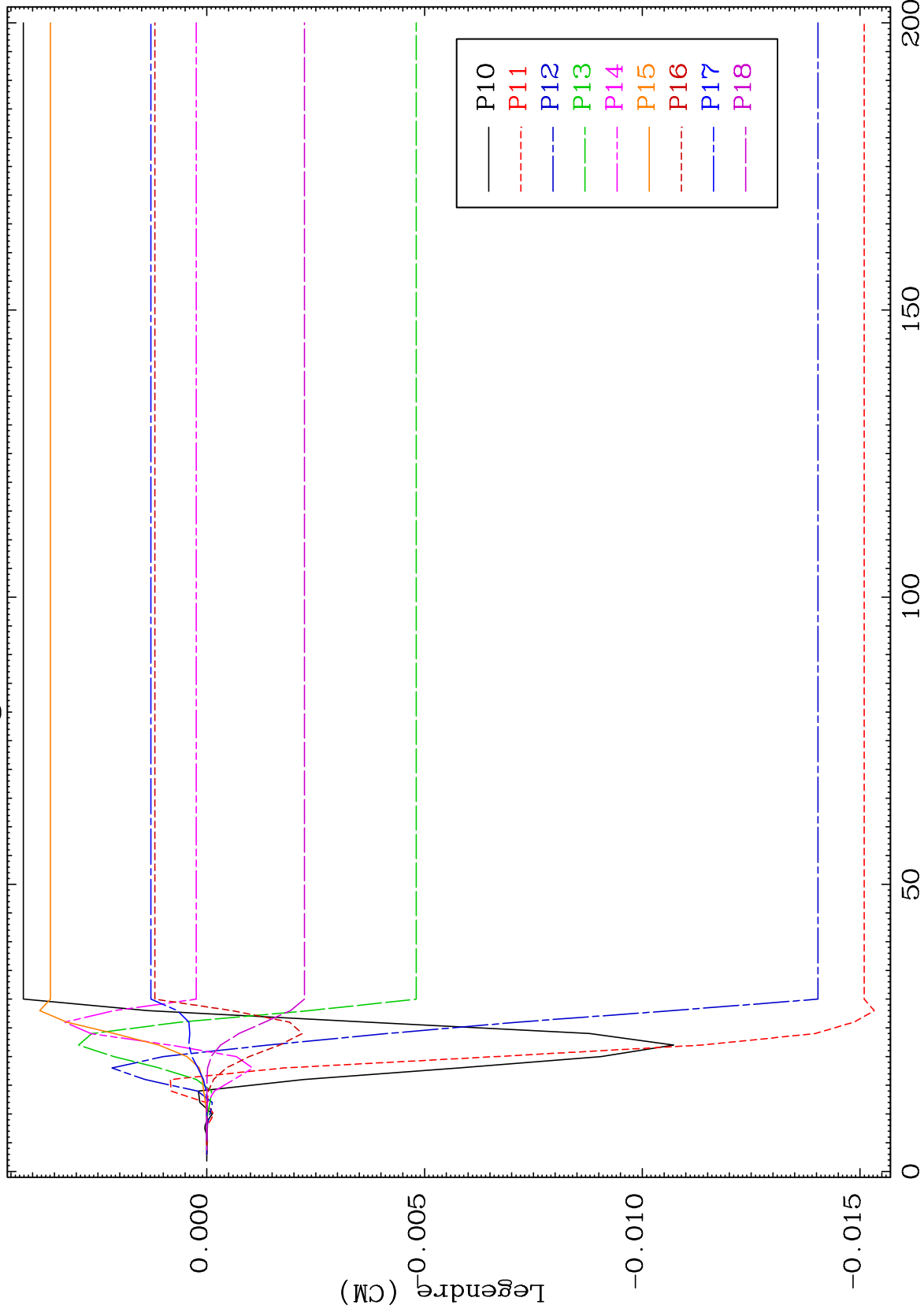
Incident Energy (MeV)

128

MAT 7931

1.660 MeV (n,n') Level  
Legendre Coefficients

79-Au-199



129

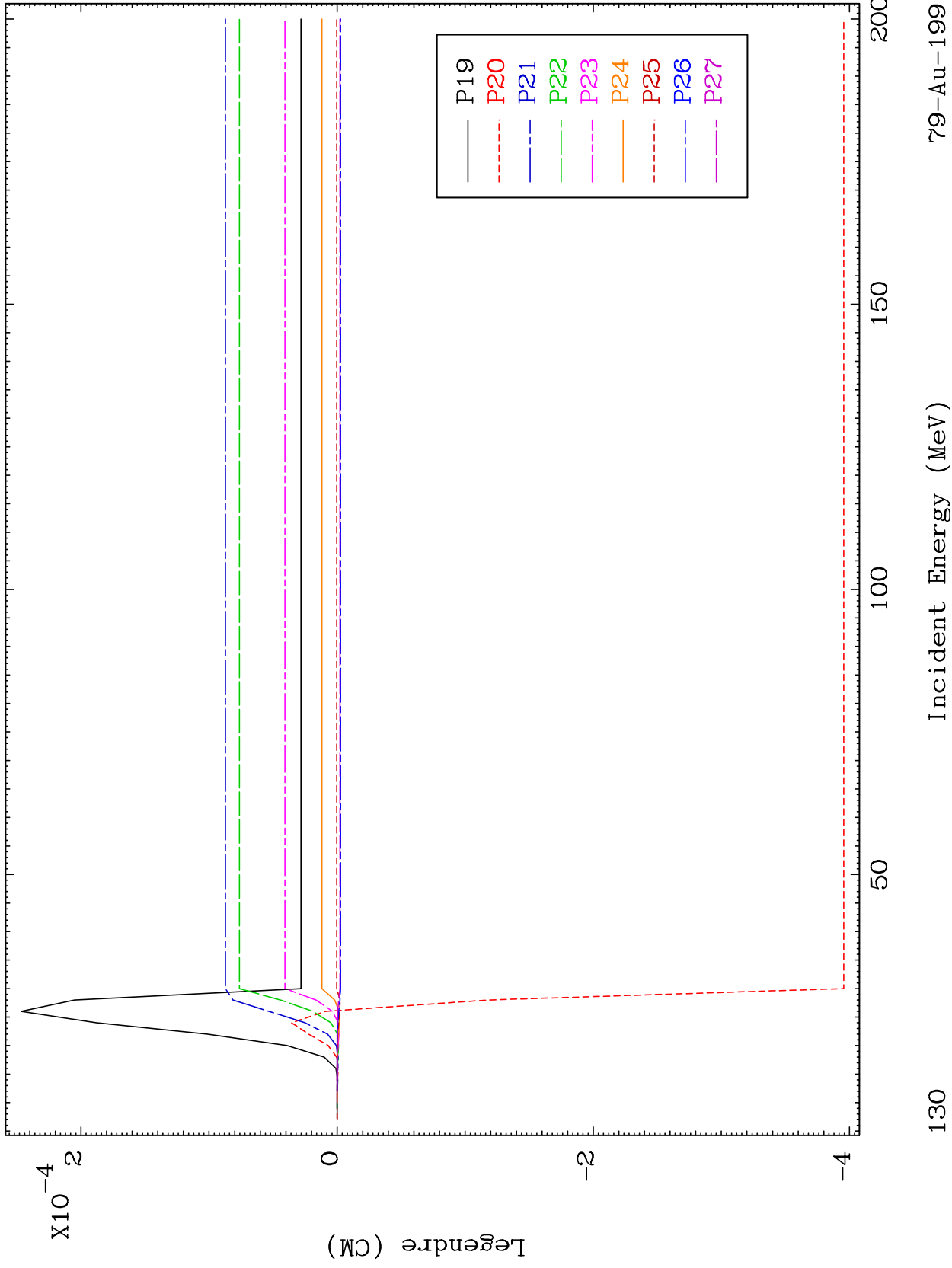
Incident Energy (MeV)

79-Au-199

MAT 7931

1.660 MeV (n,n') Level  
Legendre Coefficients

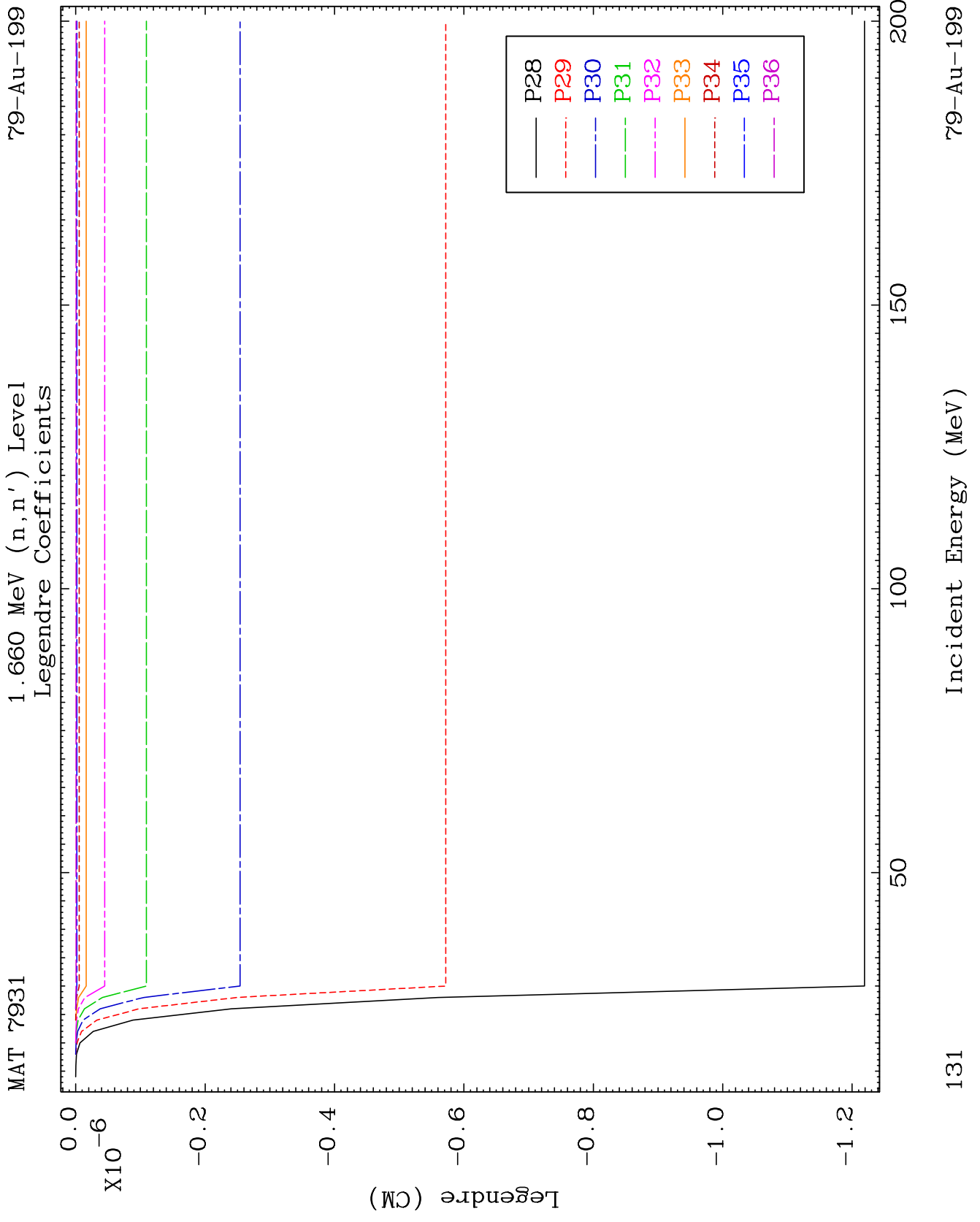
79-Au-199



130

Incident Energy (MeV)

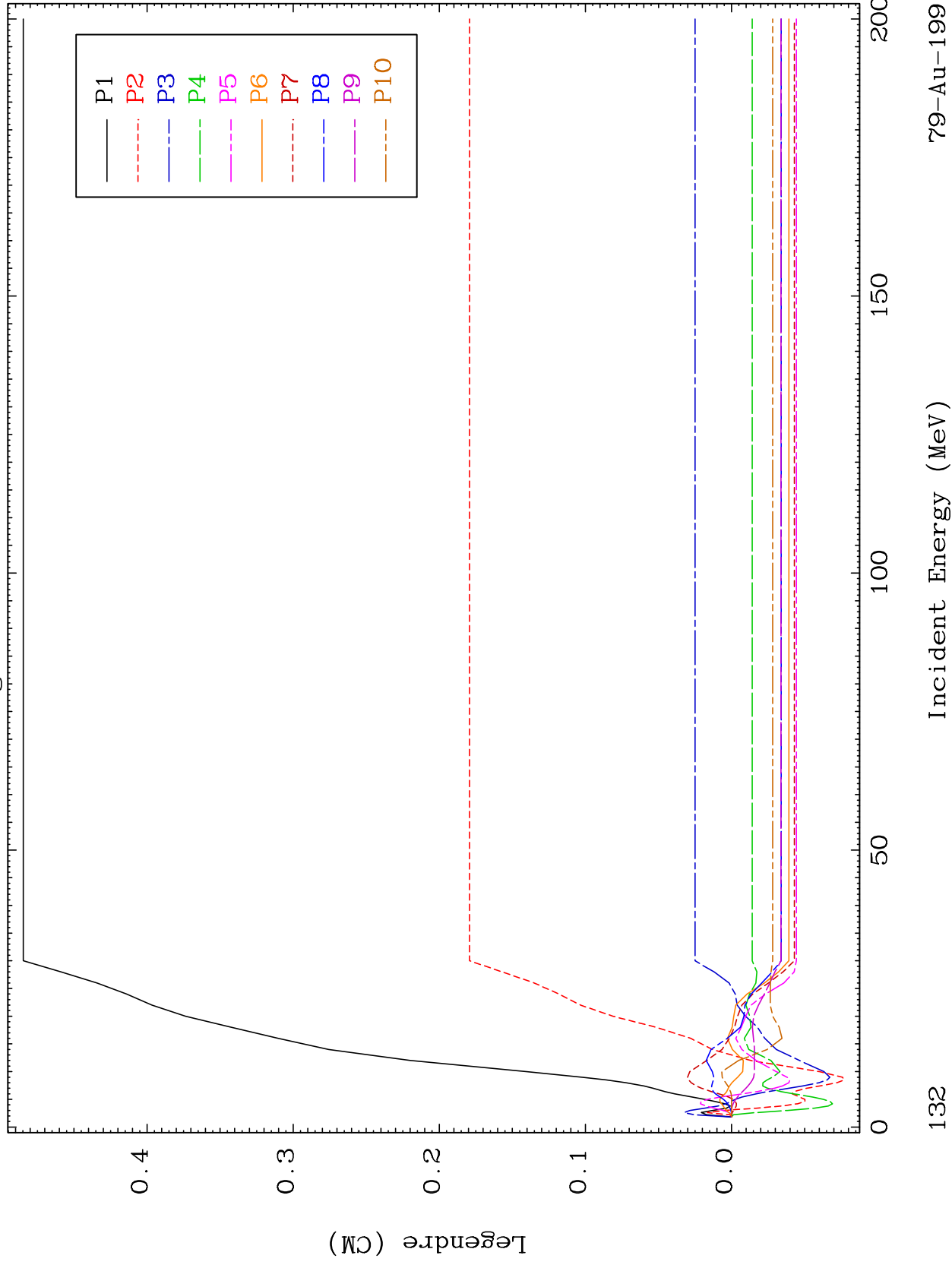
79-Au-199



MAT 7931

1.709 MeV (n,n') Level  
Legendre Coefficients

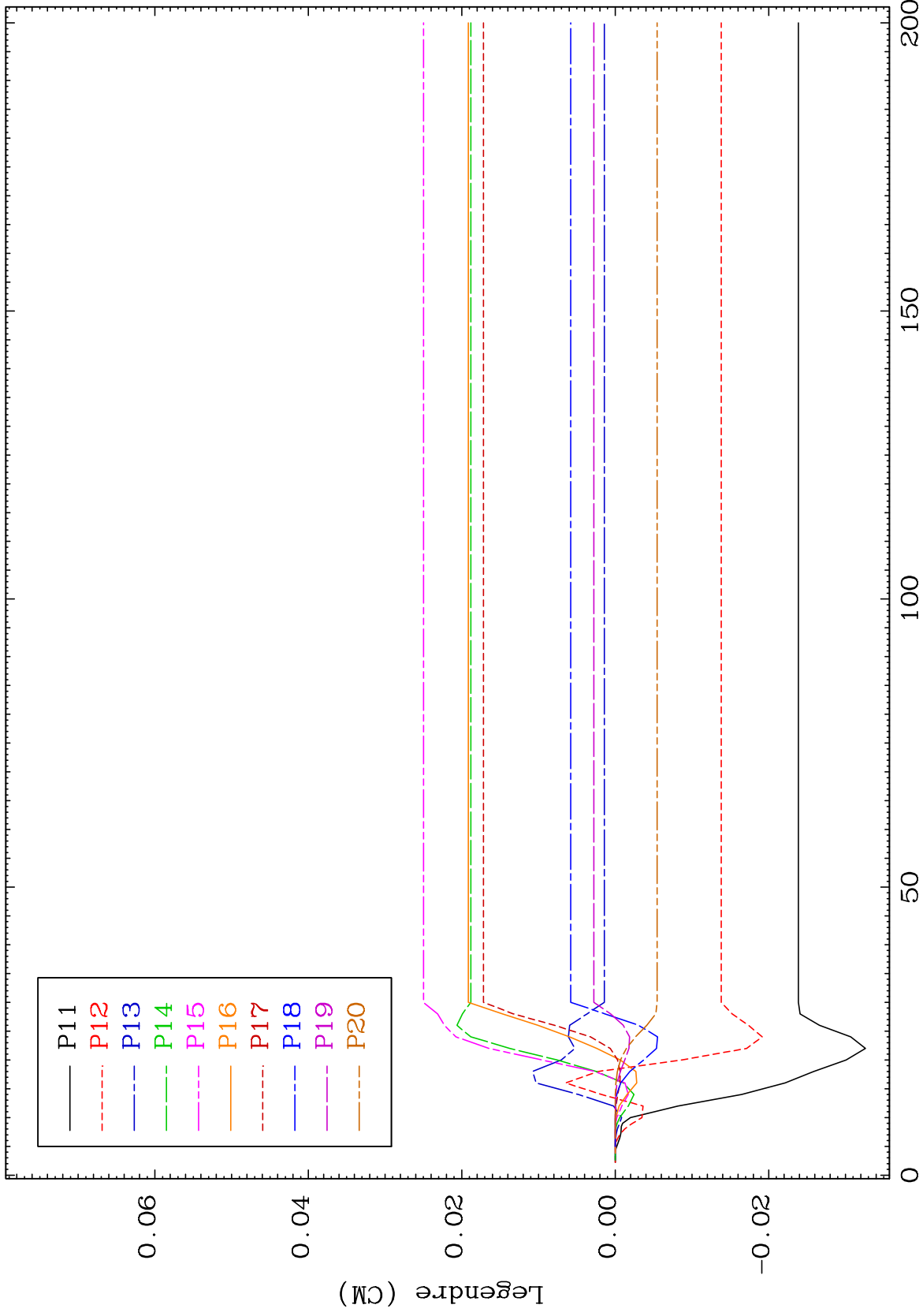
79-Au-199

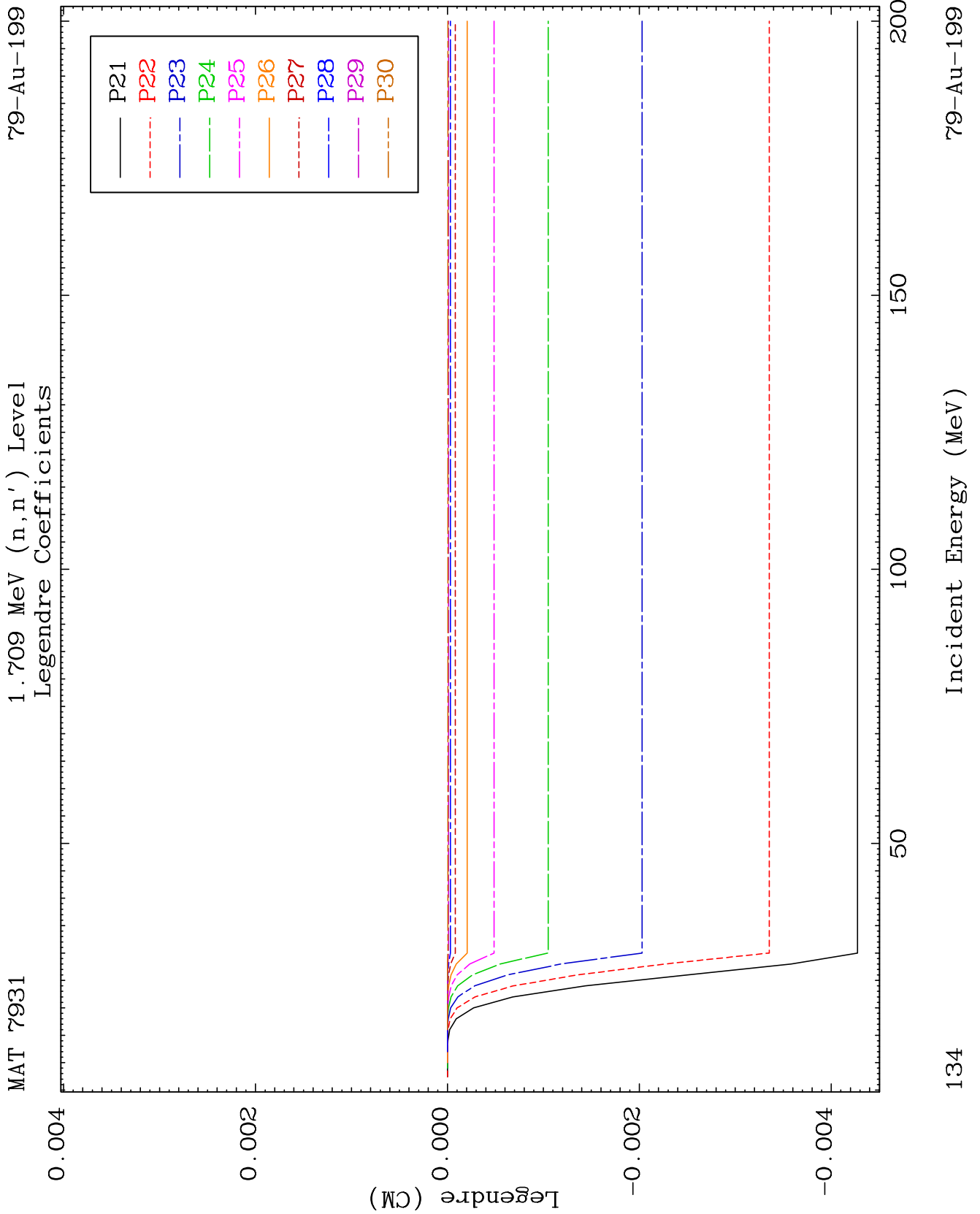


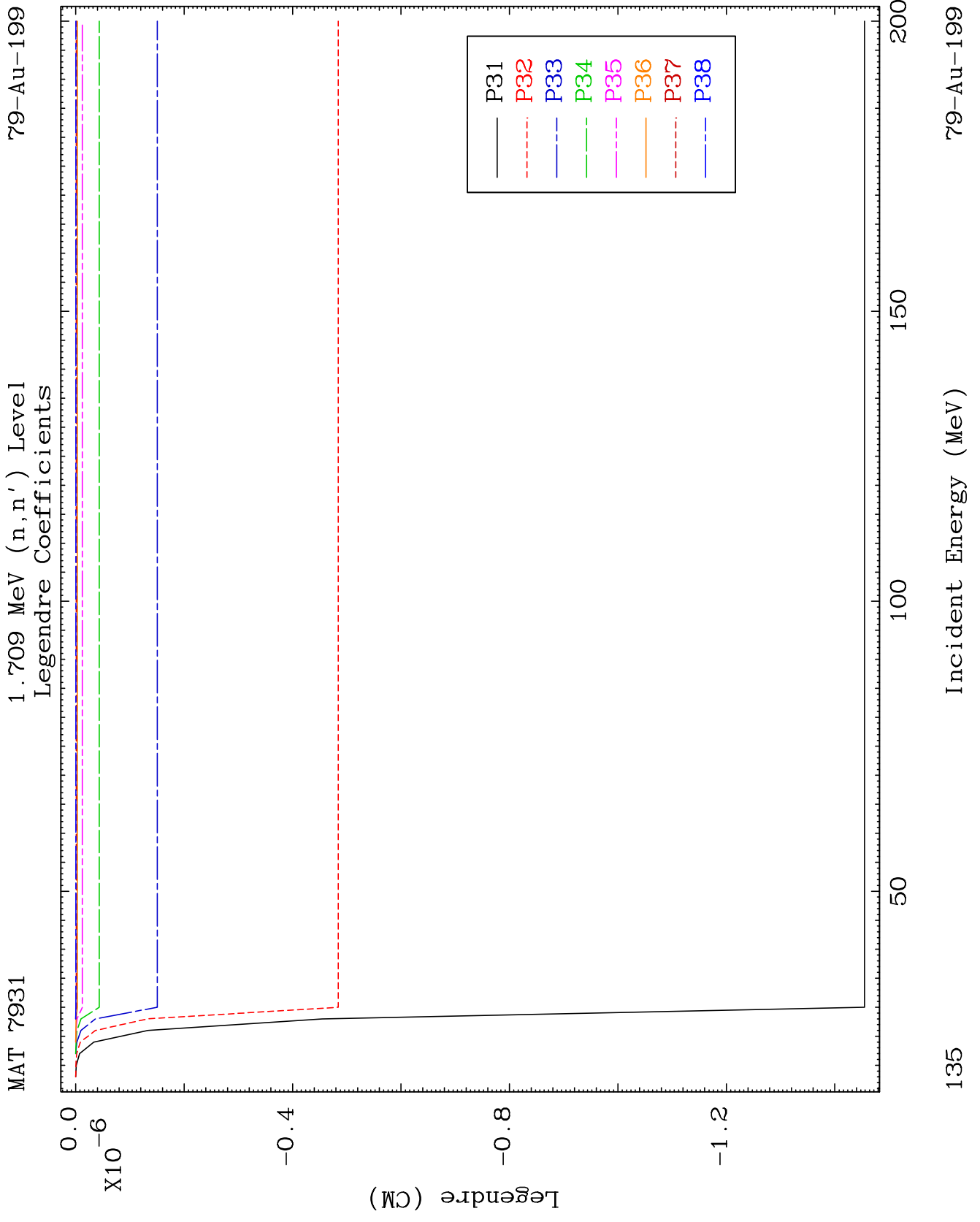
79-Au-199

Incident Energy (MeV)

132





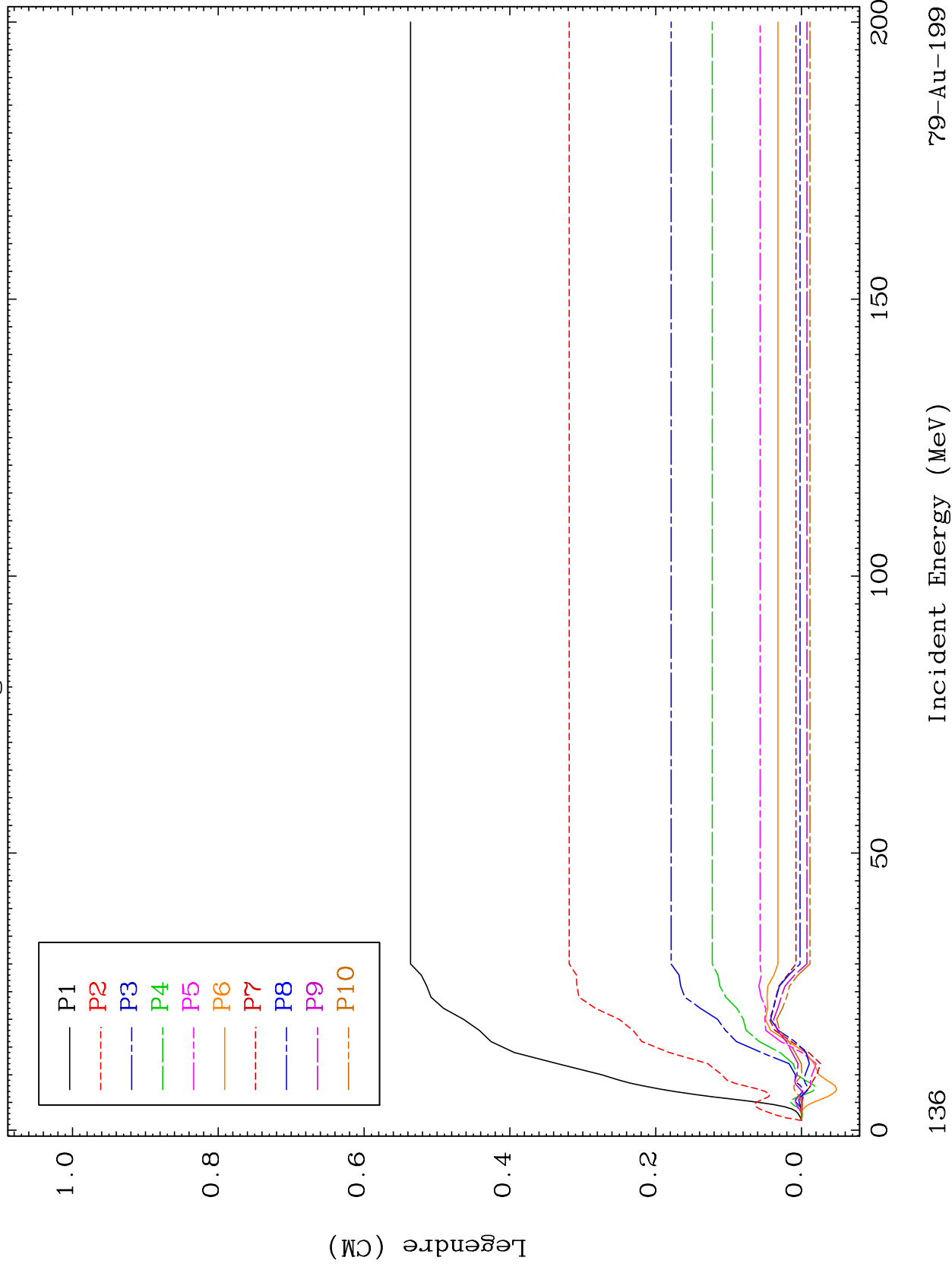




MAT 7931

1.729 MeV (n,n') Level  
Legendre Coefficients

79-Au-199



79-Au-199

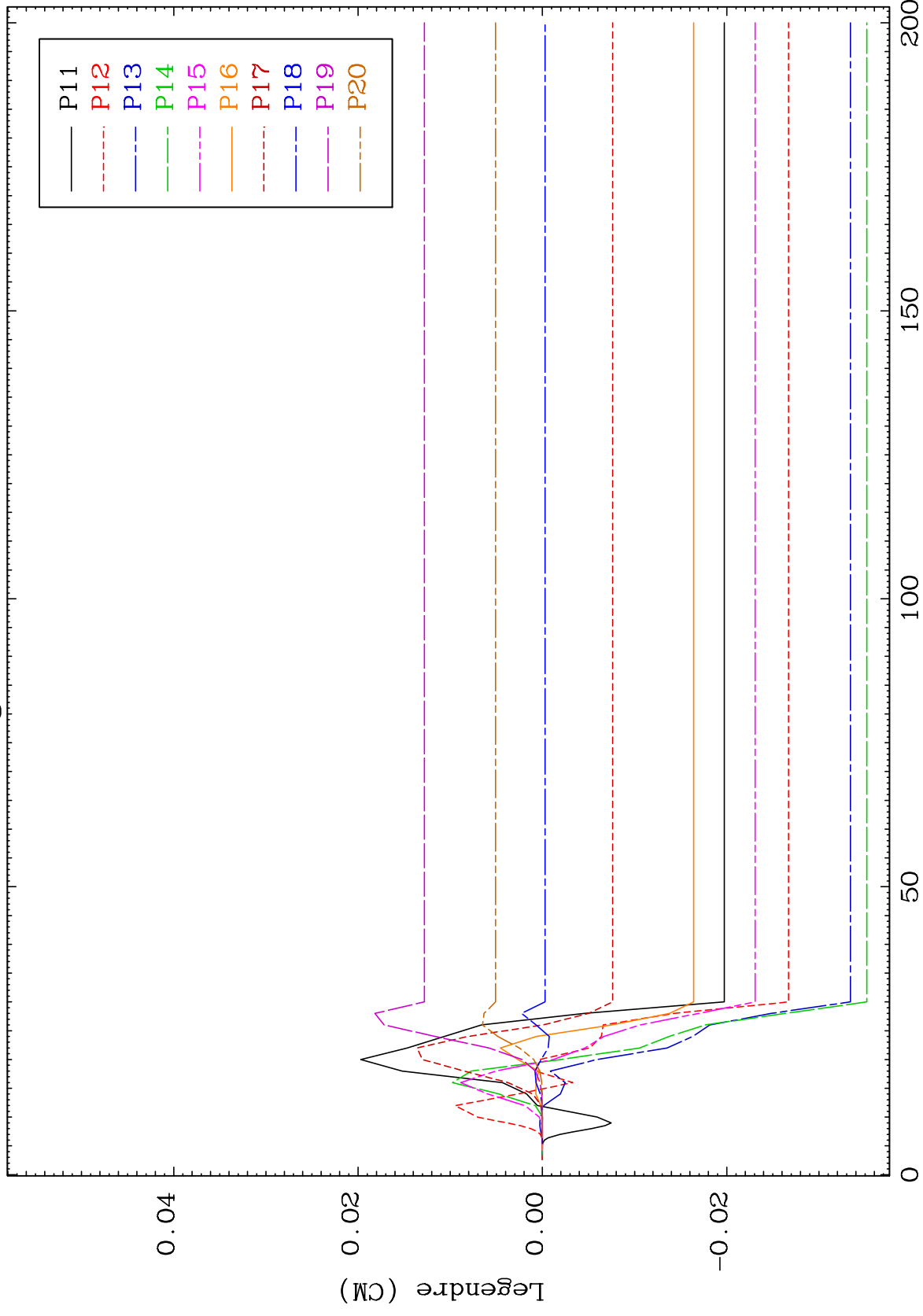
Incident Energy (MeV)

136

MAT 7931

1.729 MeV (n,n') Level  
Legendre Coefficients

79-Au-199



137

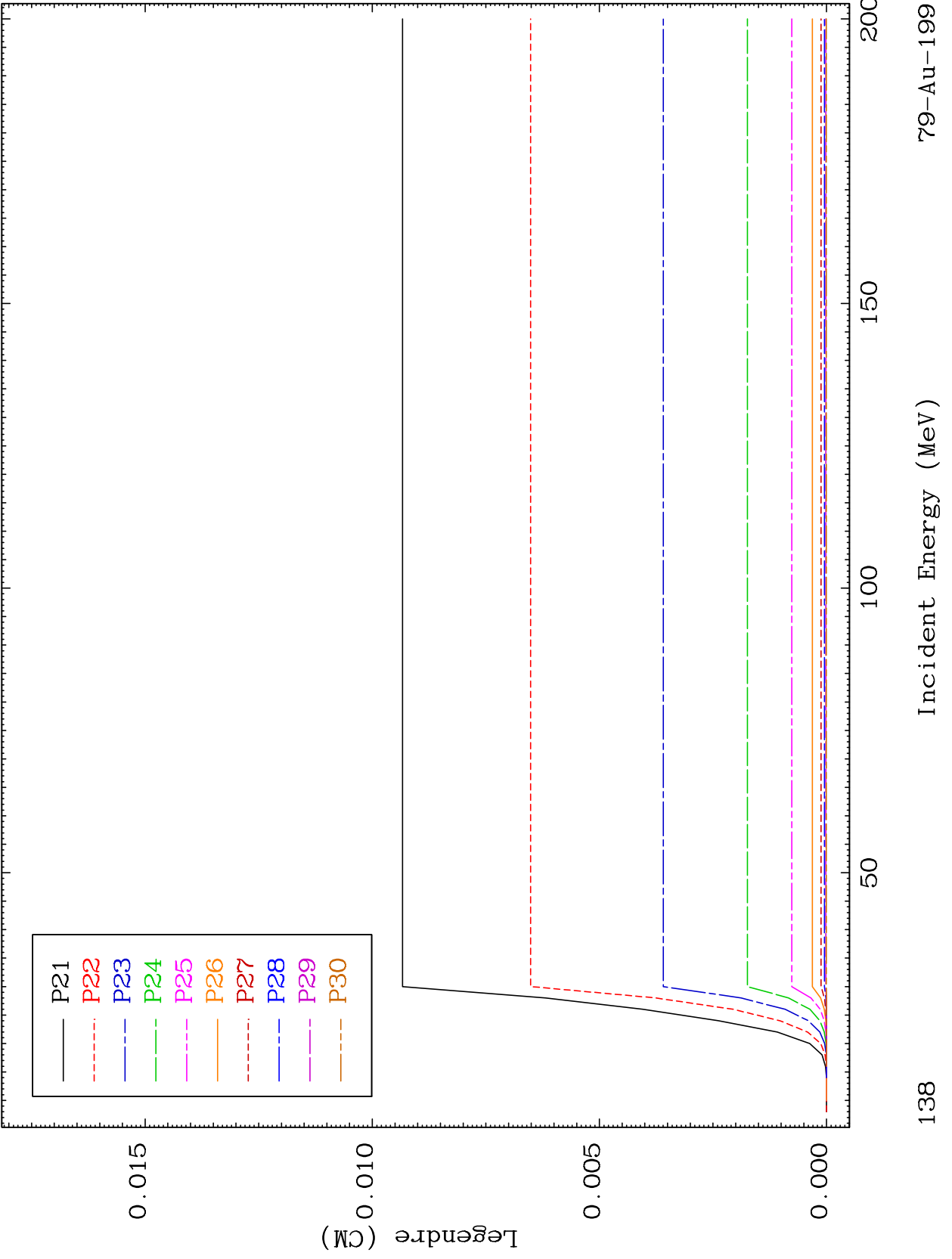
Incident Energy (MeV)

79-Au-199

MAT 7931

1.729 MeV (n,n') Level  
Legendre Coefficients

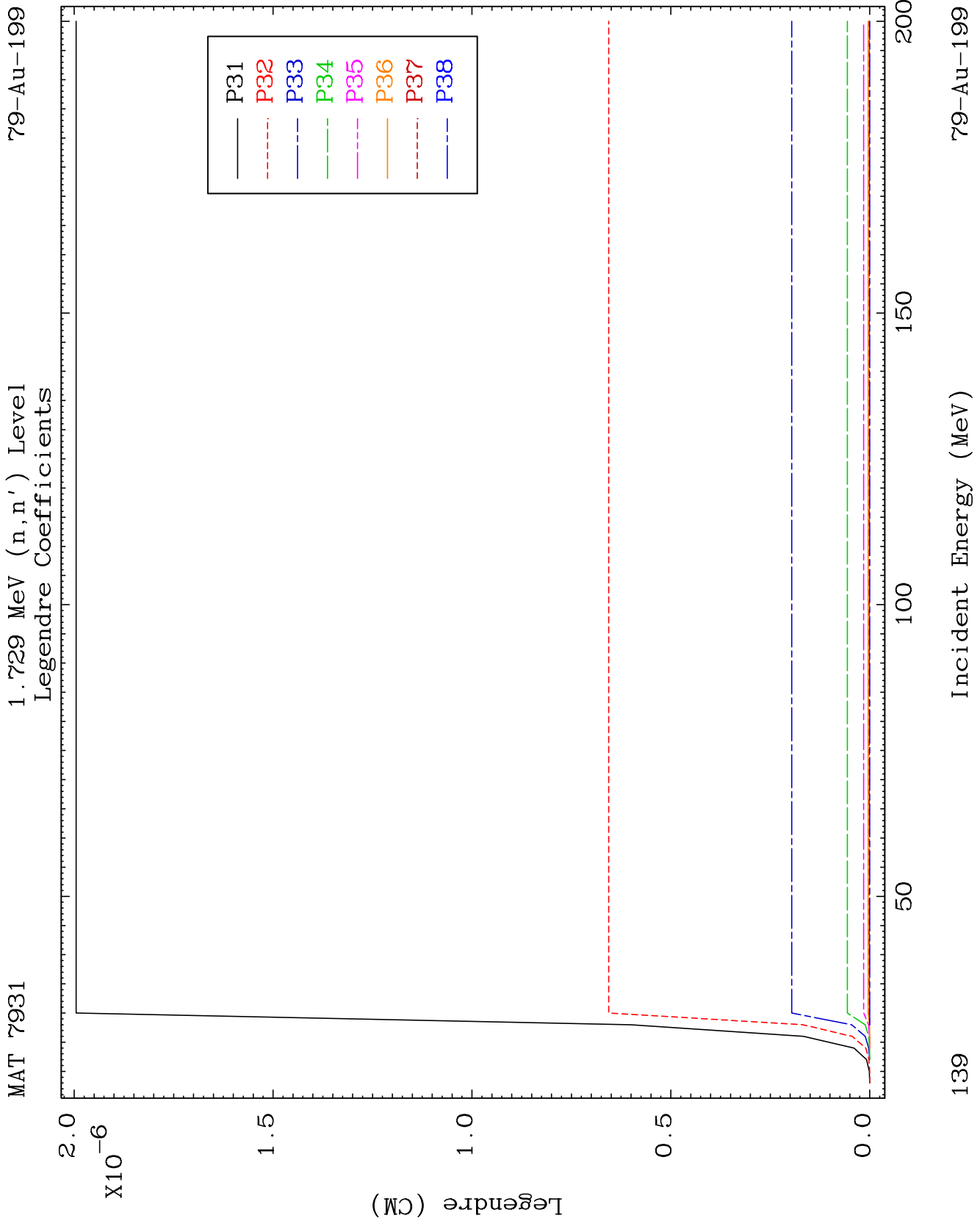
79-Au-199



138

Incident Energy (MeV)

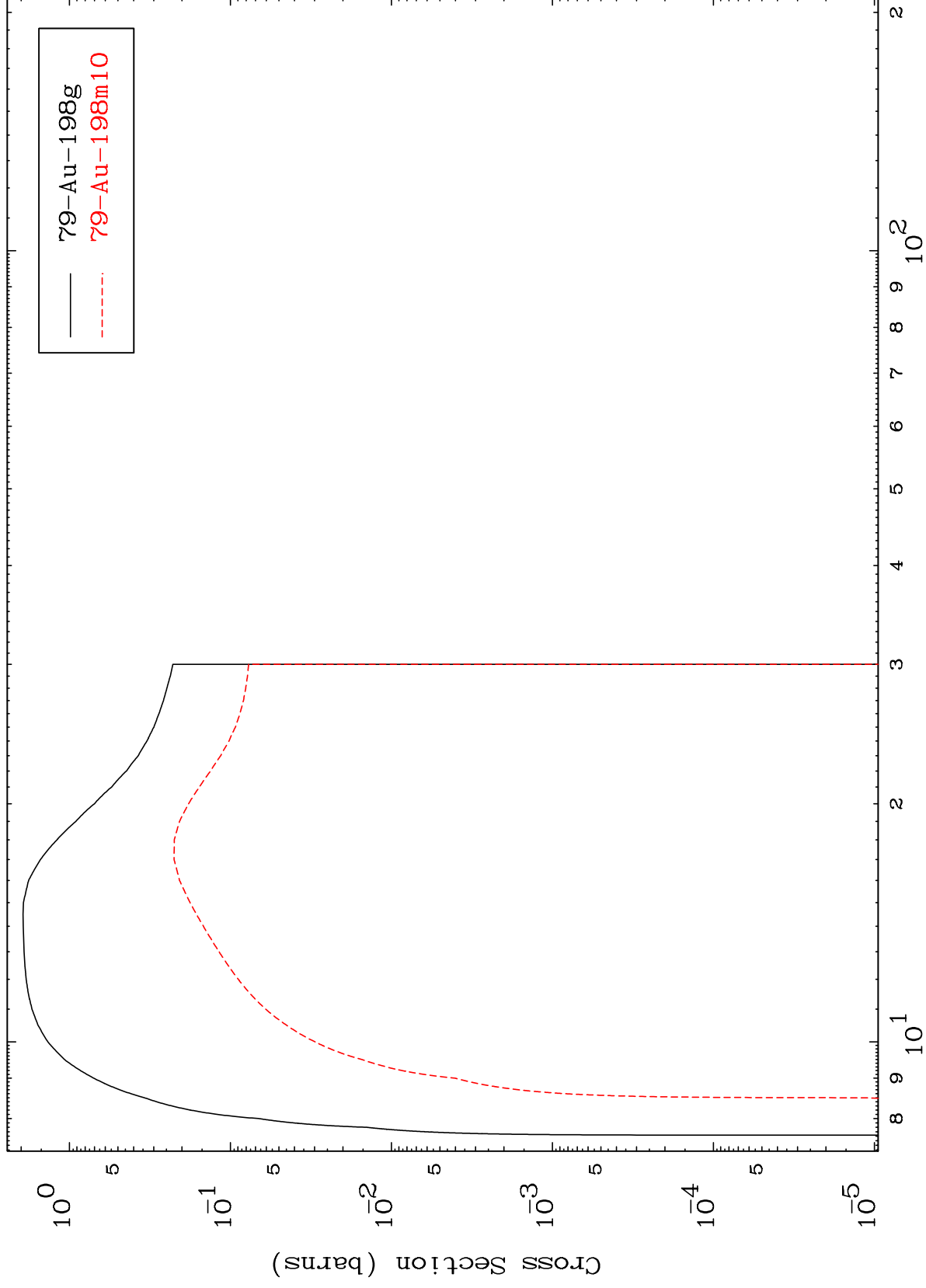
79-Au-199



MAT 7931

79-Au-199

(n,2n)  
Radionuclide Production Cross Section



140

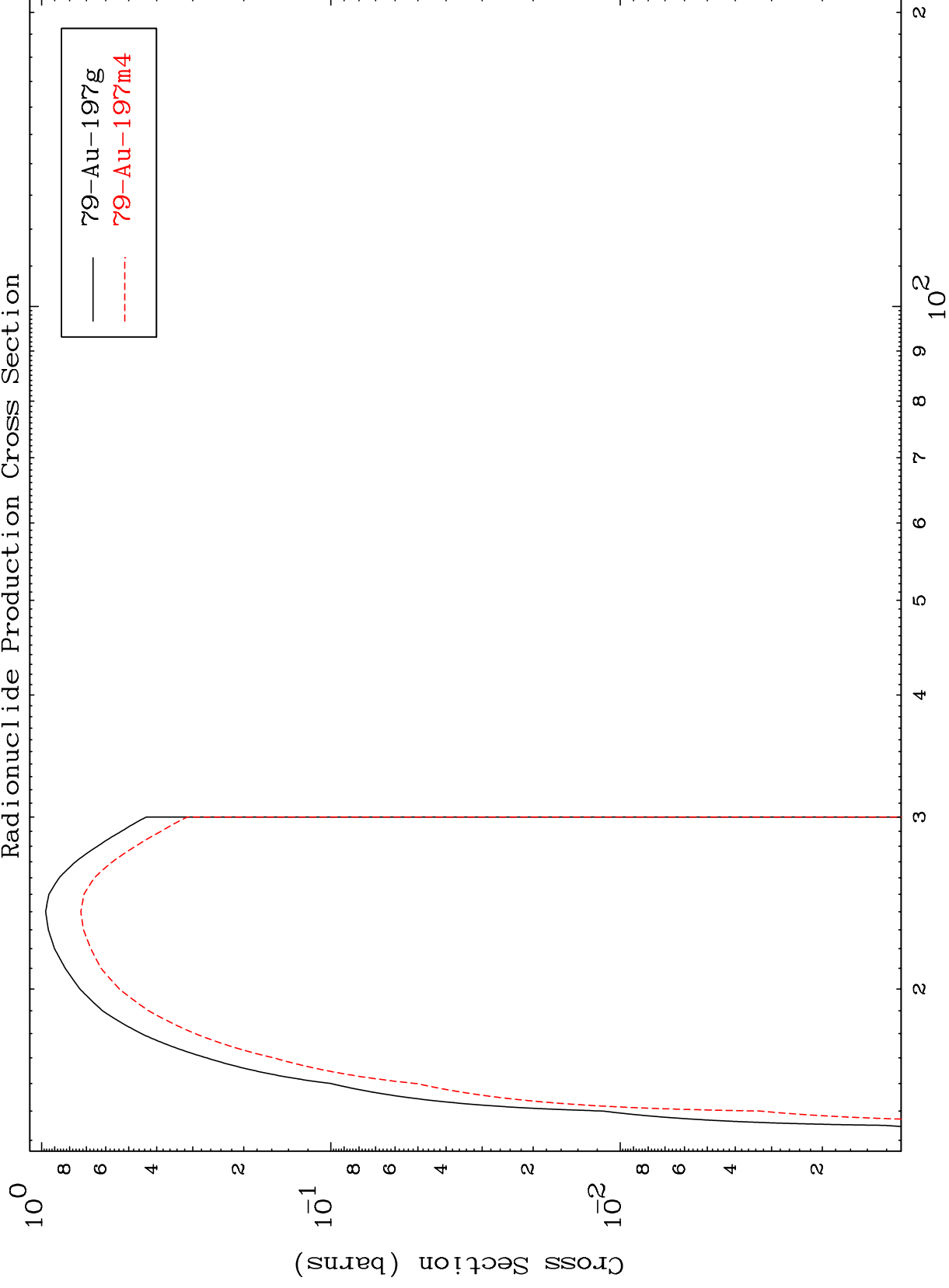
Incident Energy (MeV)

79-Au-199

MAT 7931

79-Au-199

(n,3n)  
Radionuclide Production Cross Section



141

Incident Energy (MeV)

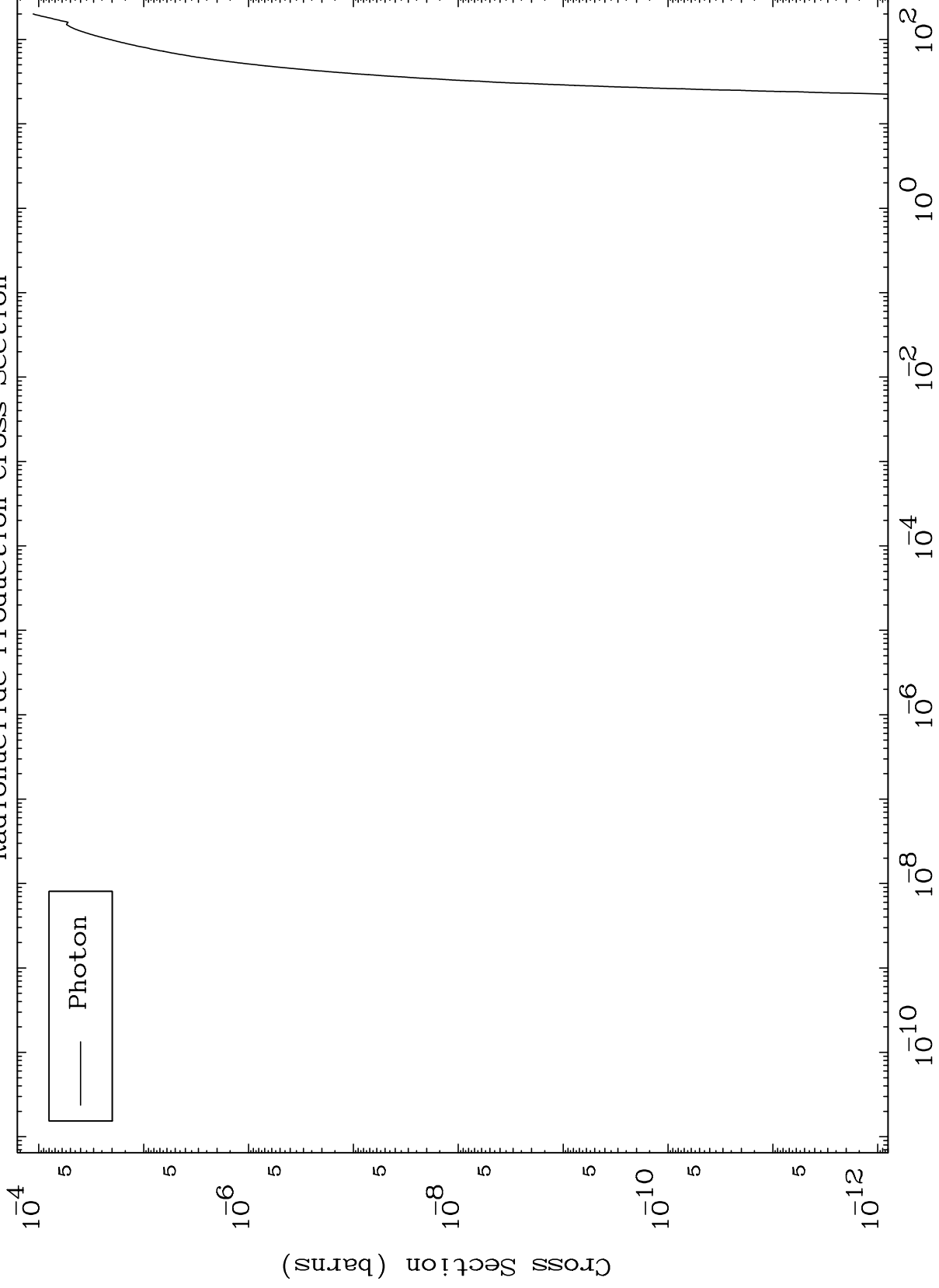
79-Au-199

MAT 7931

Fission

79-Au-199

Radionuclide Production Cross Section

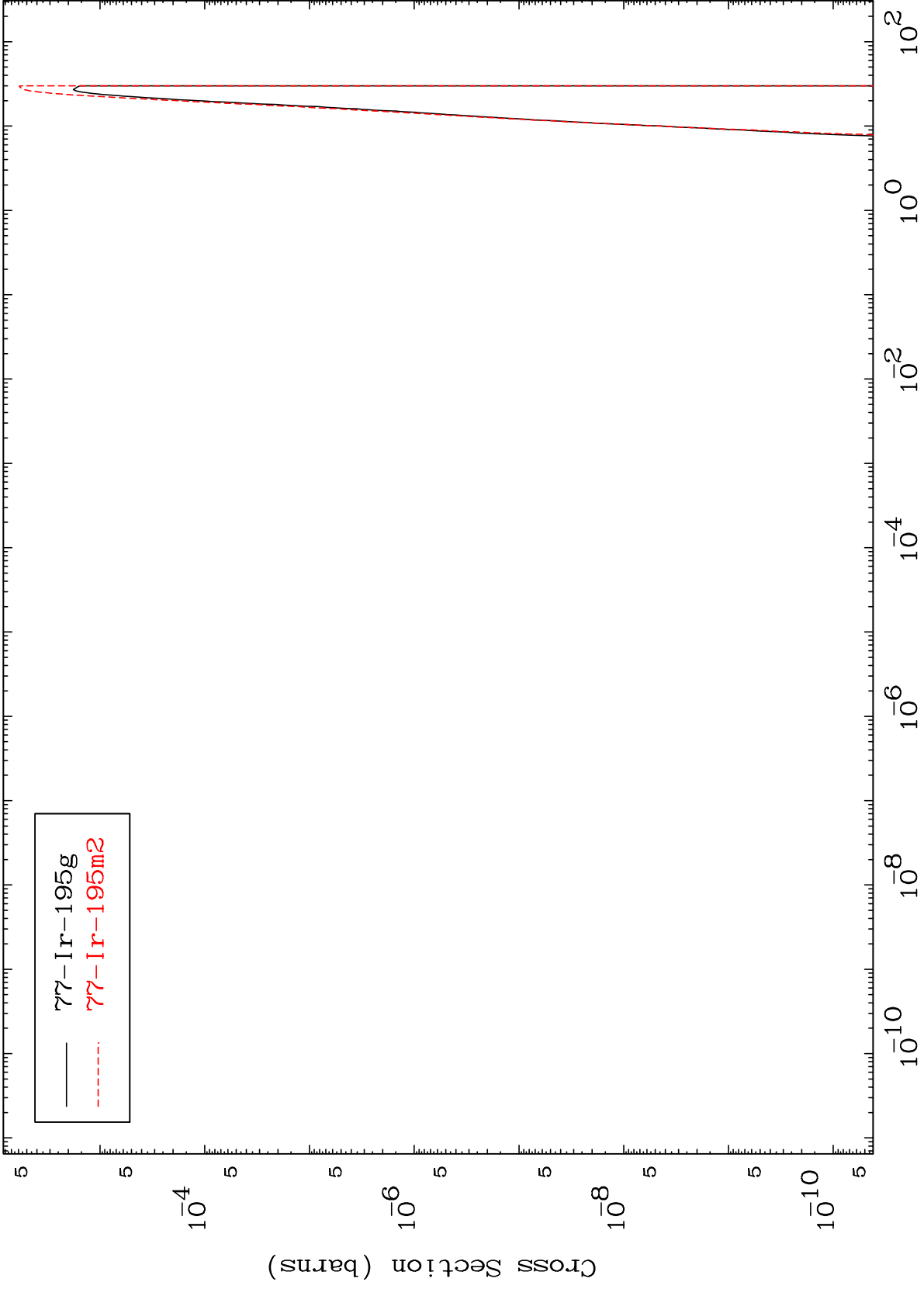


MAT 7931

$(n, n') \alpha$

<sup>79</sup>Au-199

Radionuclide Production Cross Section



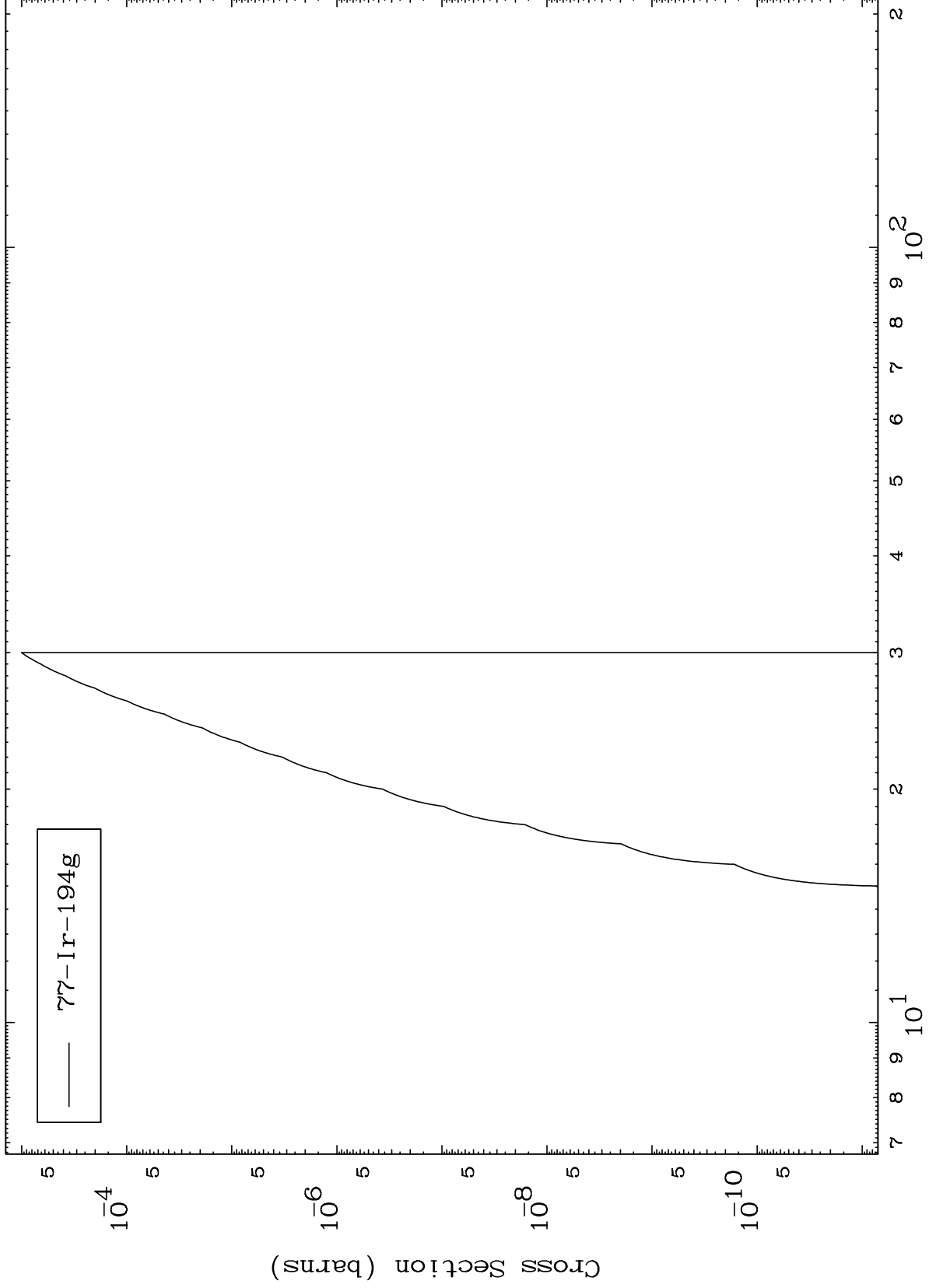


MAT 7931

$(n,2n) \alpha$

79-Au-199

Radionuclide Production Cross Section



144

Incident Energy (MeV)

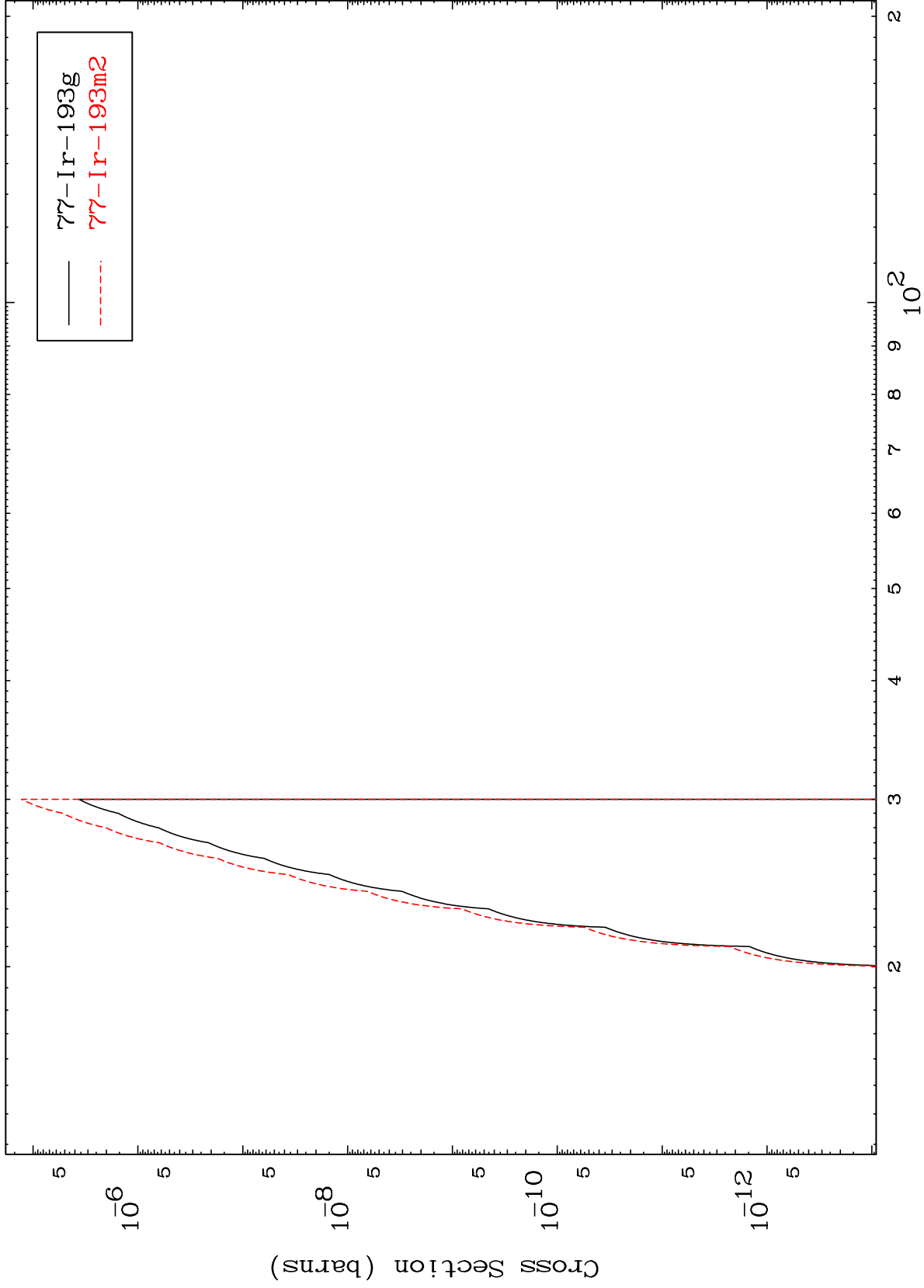
79-Au-199

MAT 7931

(n,3n)  $\alpha$

79-Au-199

Radionuclide Production Cross Section

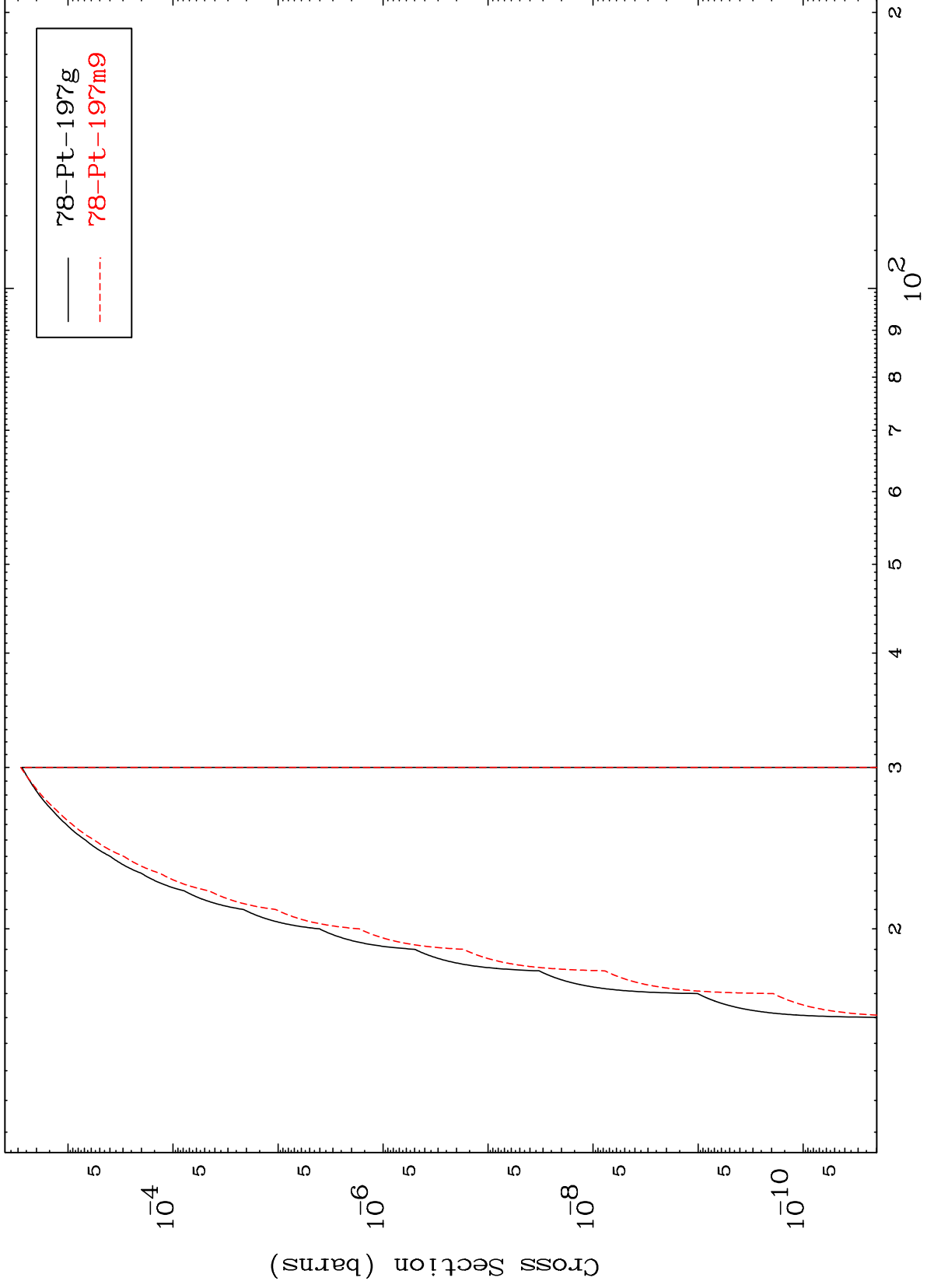


145

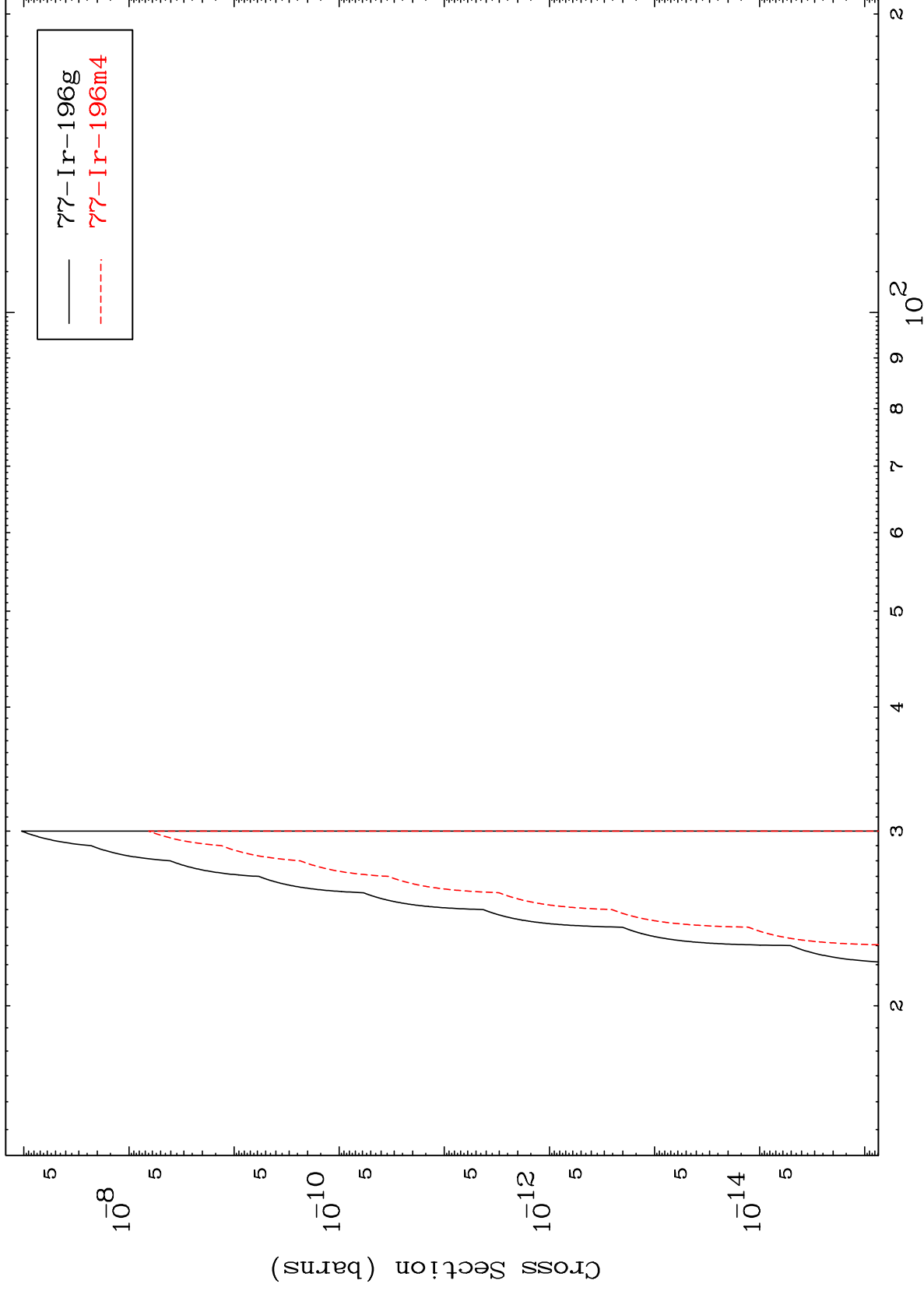
Incident Energy (MeV)

79-Au-199

Radionuclide Production Cross Section



Radionuclide Production Cross Section

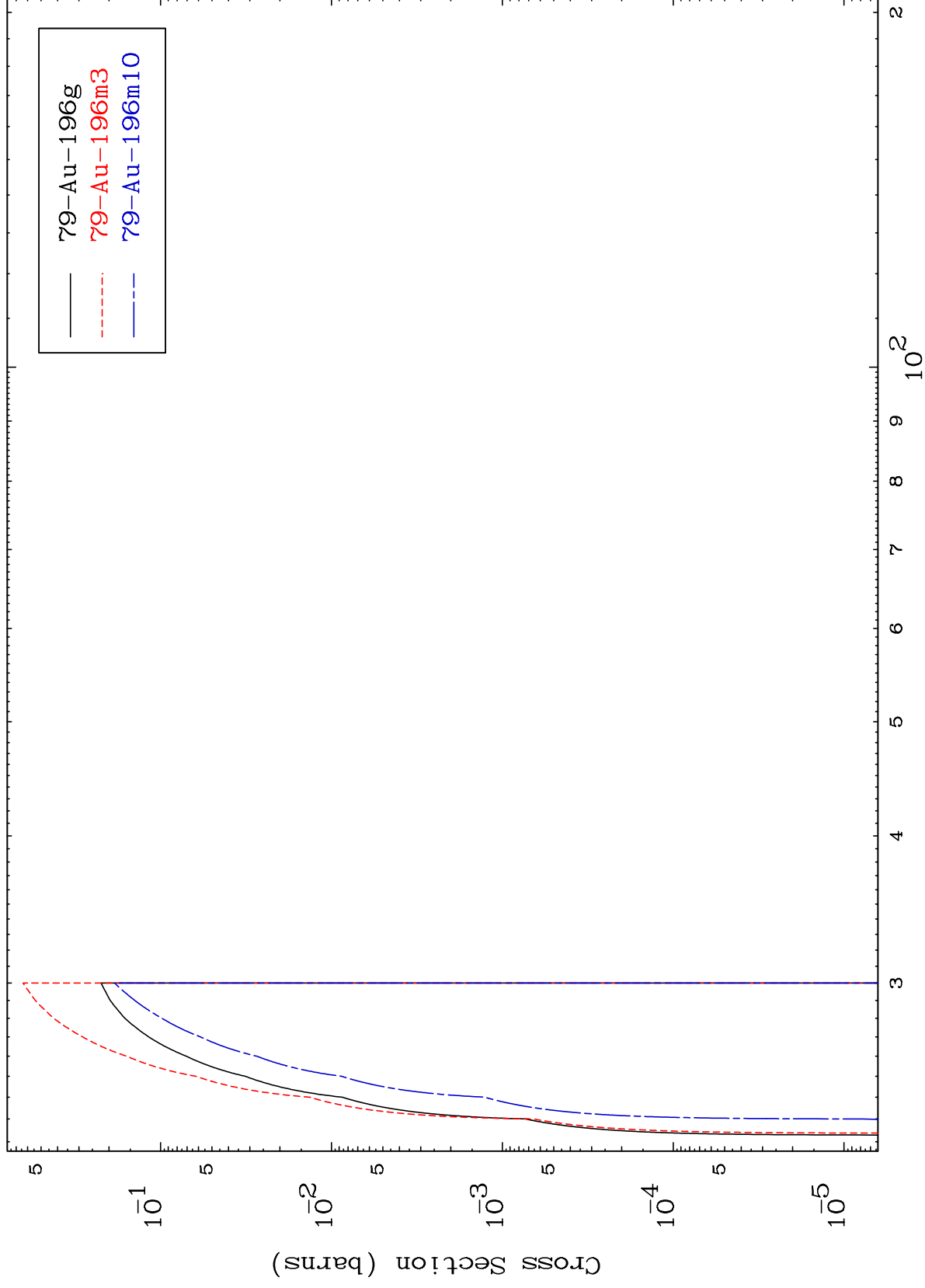


MAT 7931

(n,4n)

79-Au-199

Radionuclide Production Cross Section

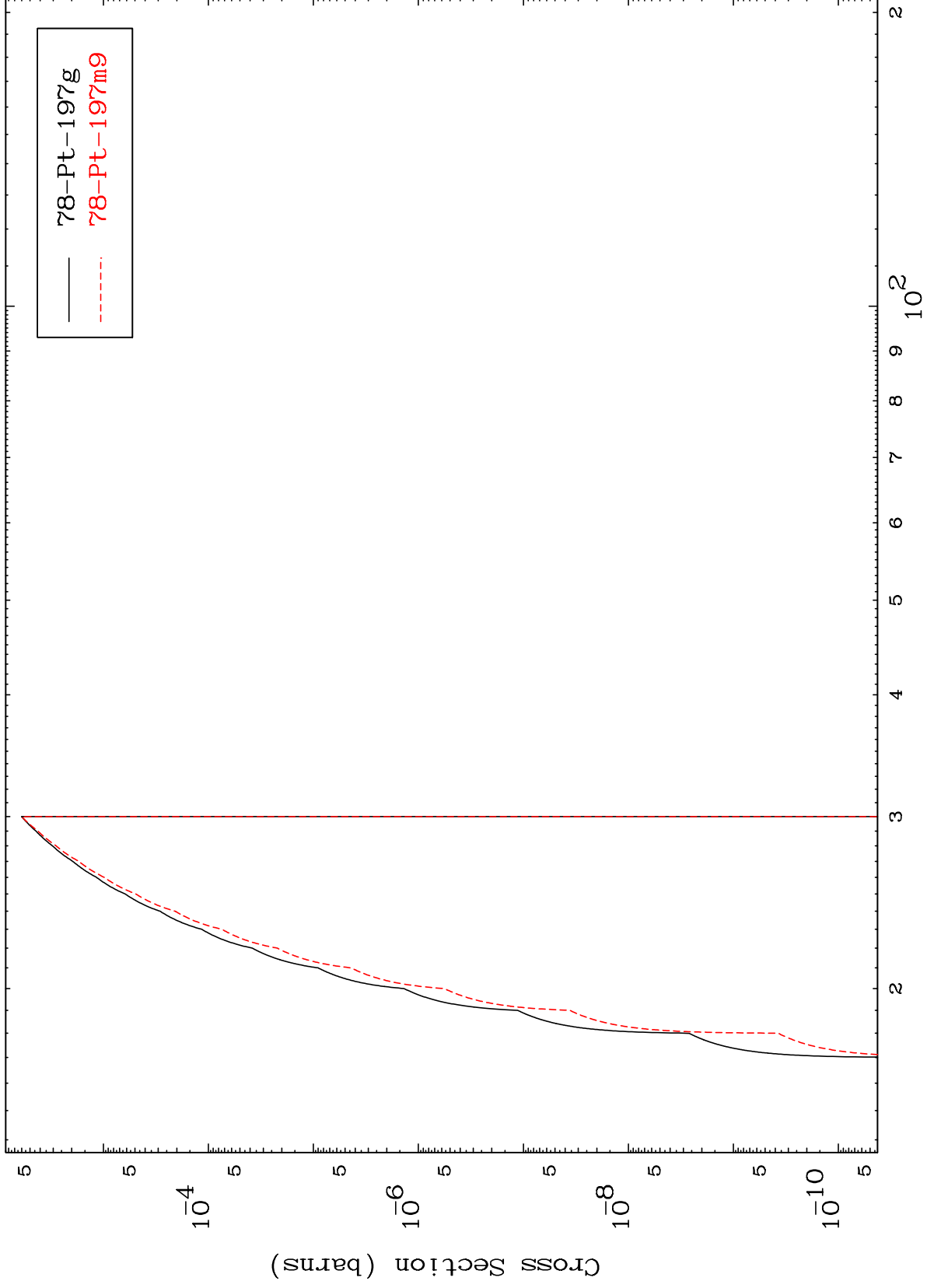


148

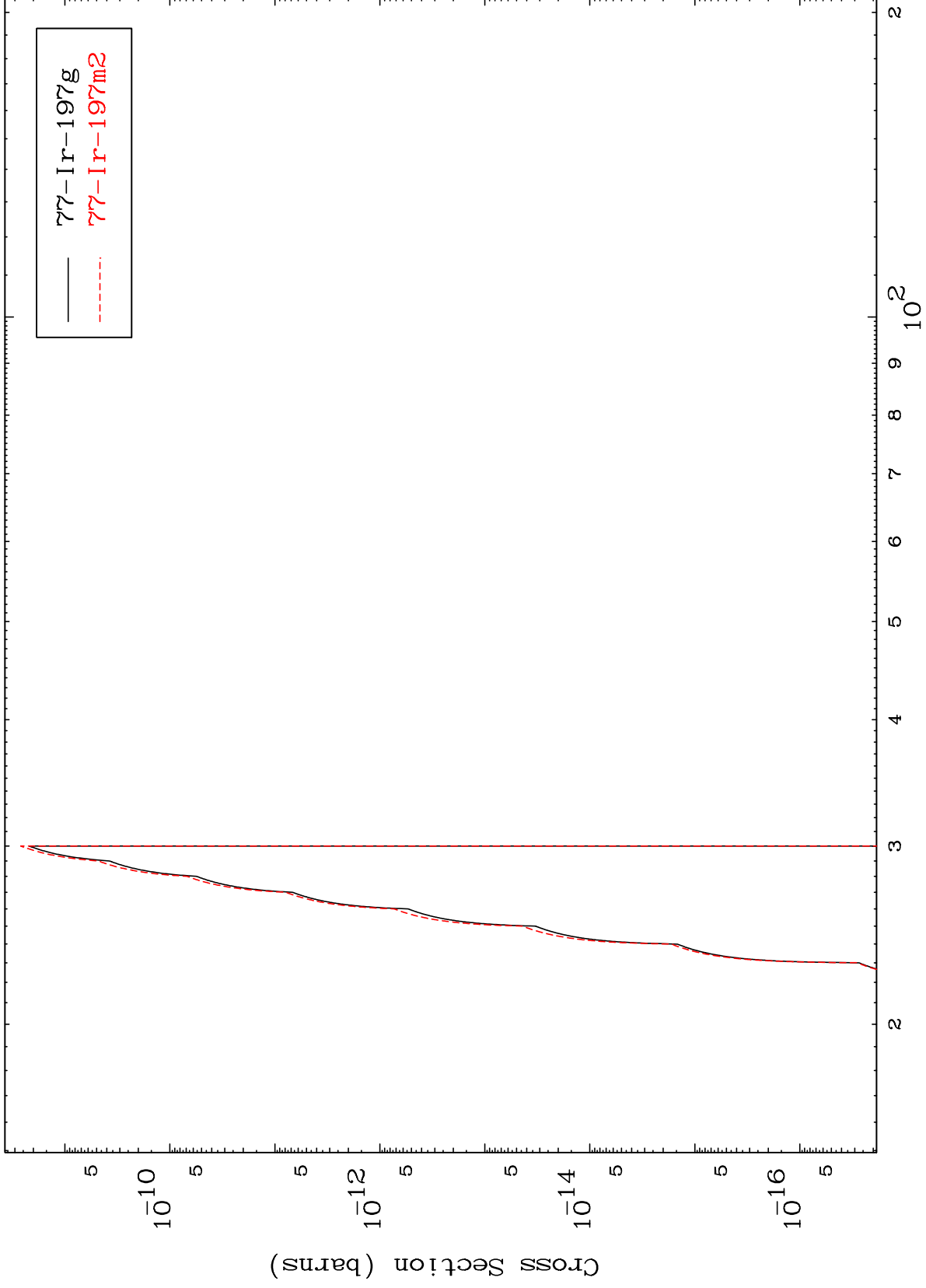
Incident Energy (MeV)

79-Au-199

Radionuclide Production Cross Section



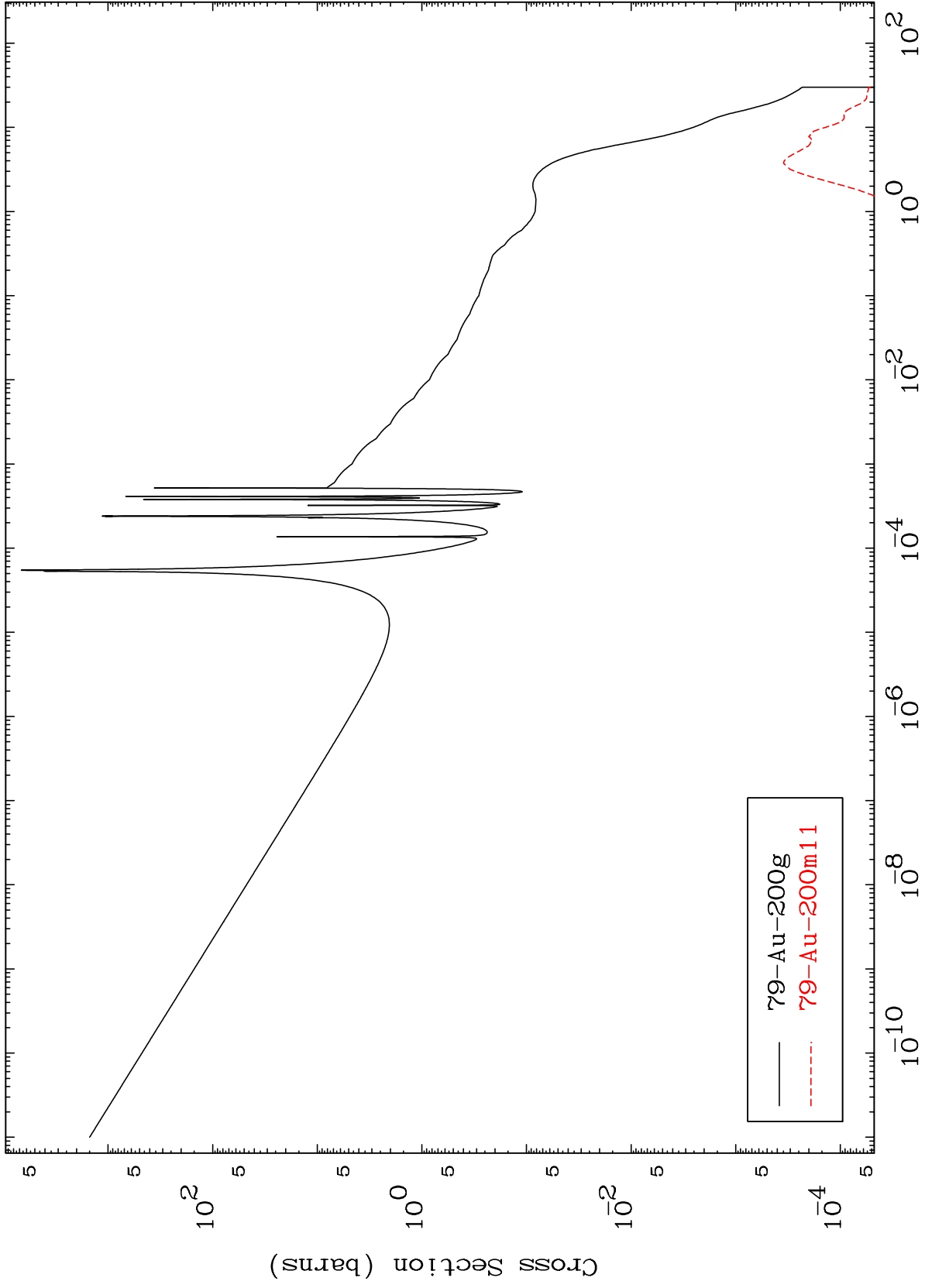
(n,2n) p  
Radionuclide Production Cross Section



MAT 7931

<sup>79</sup>Au-199

(n,γ)  
Radionuclide Production Cross Section



151

Incident Energy (MeV)

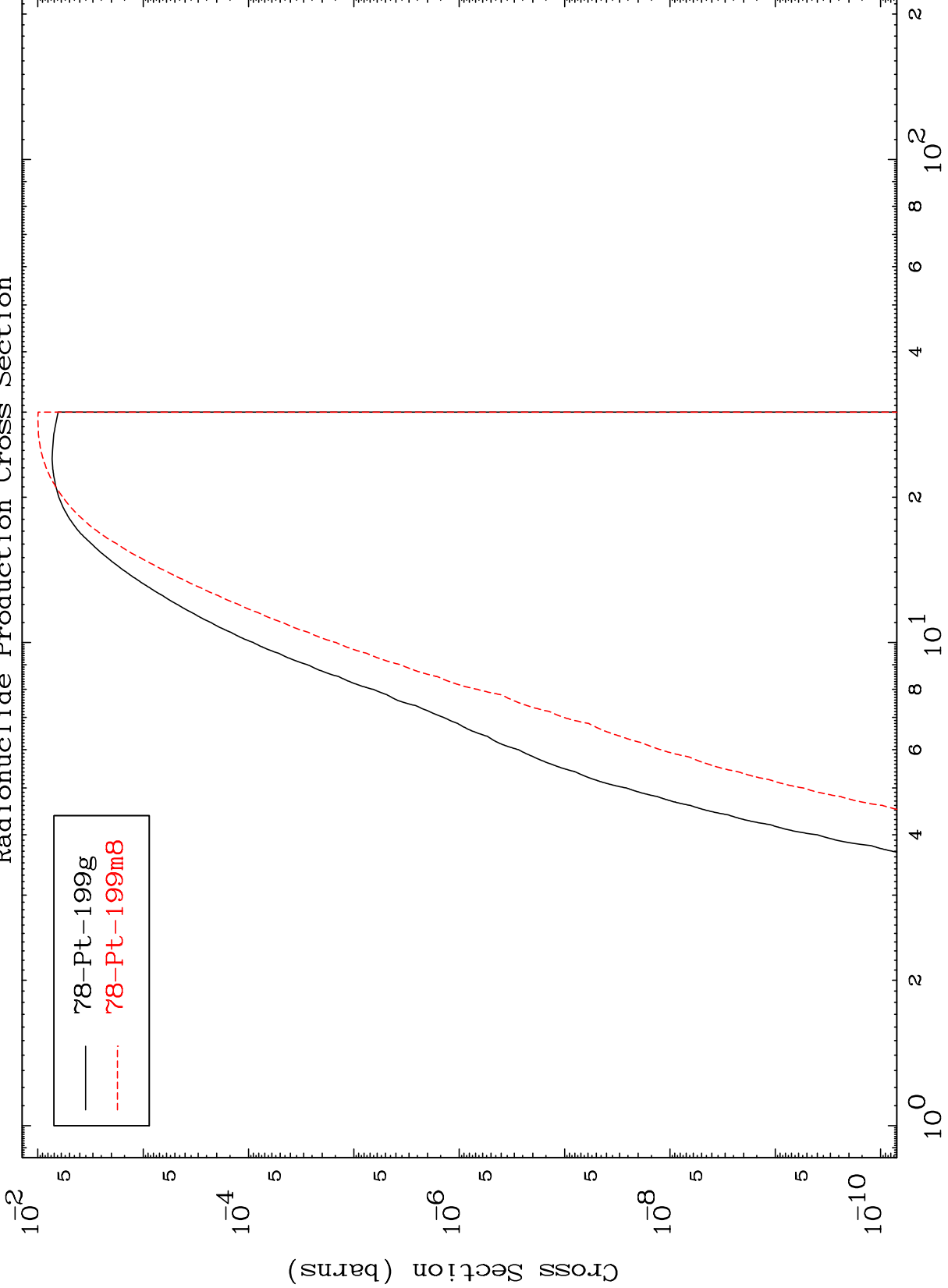
<sup>79</sup>Au-199



MAT 7931

79-Au-199

Radionuclide Production Cross Section



Incident Energy (MeV)

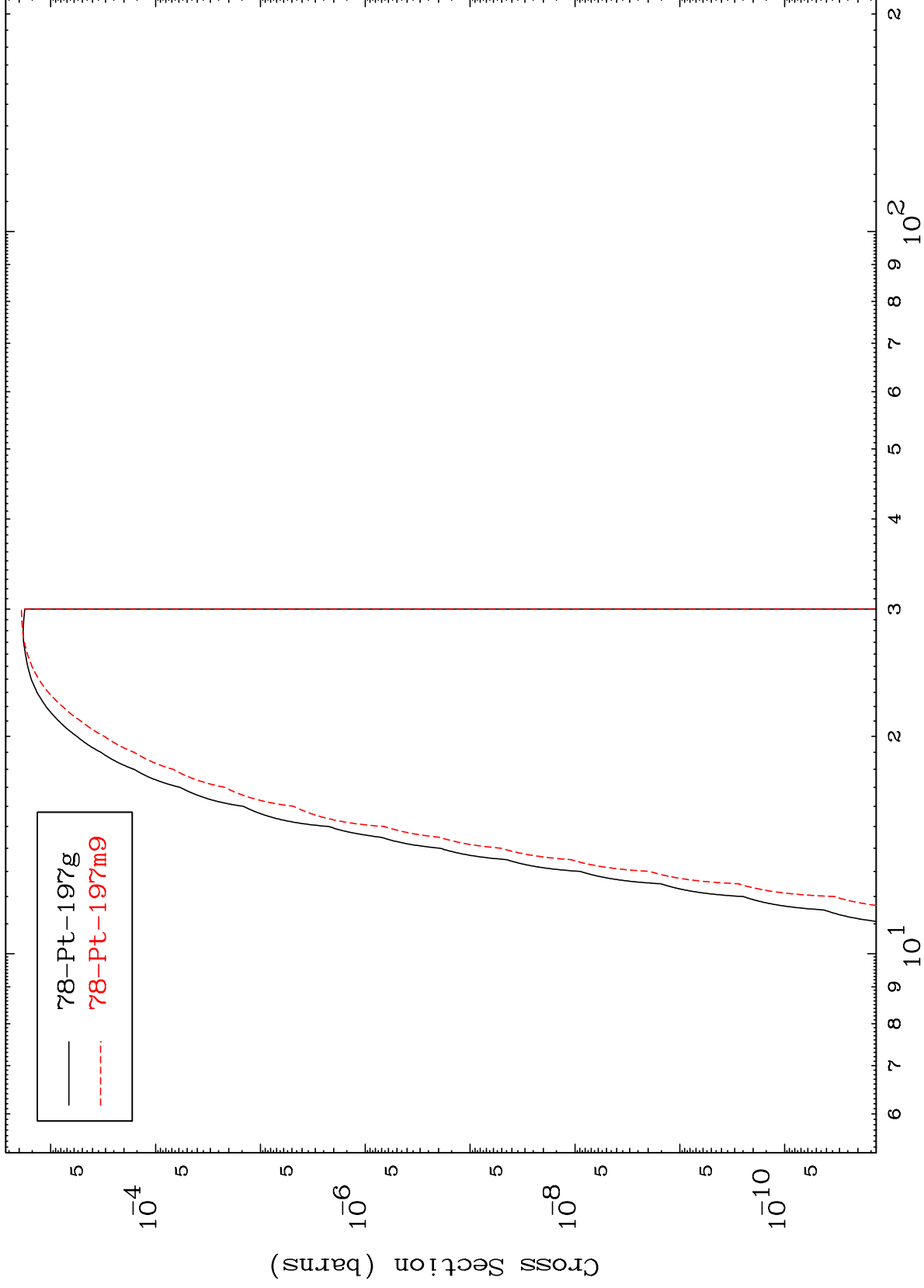
79-Au-199

152

MAT 7931

79-Au-199

Radionuclide Production Cross Section (n, t)

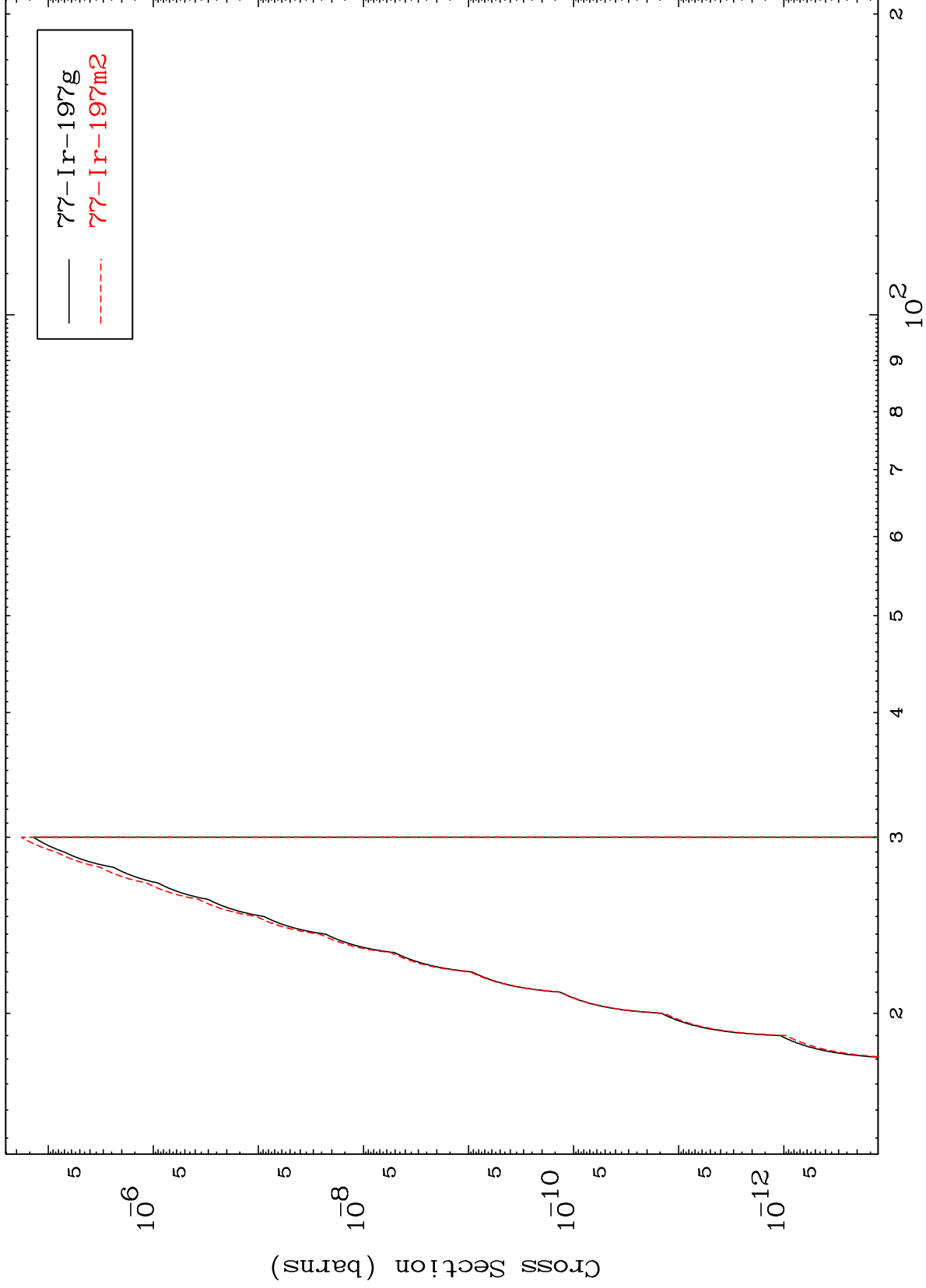


153

Incident Energy (MeV)

79-Au-199

Radionuclide Production Cross Section

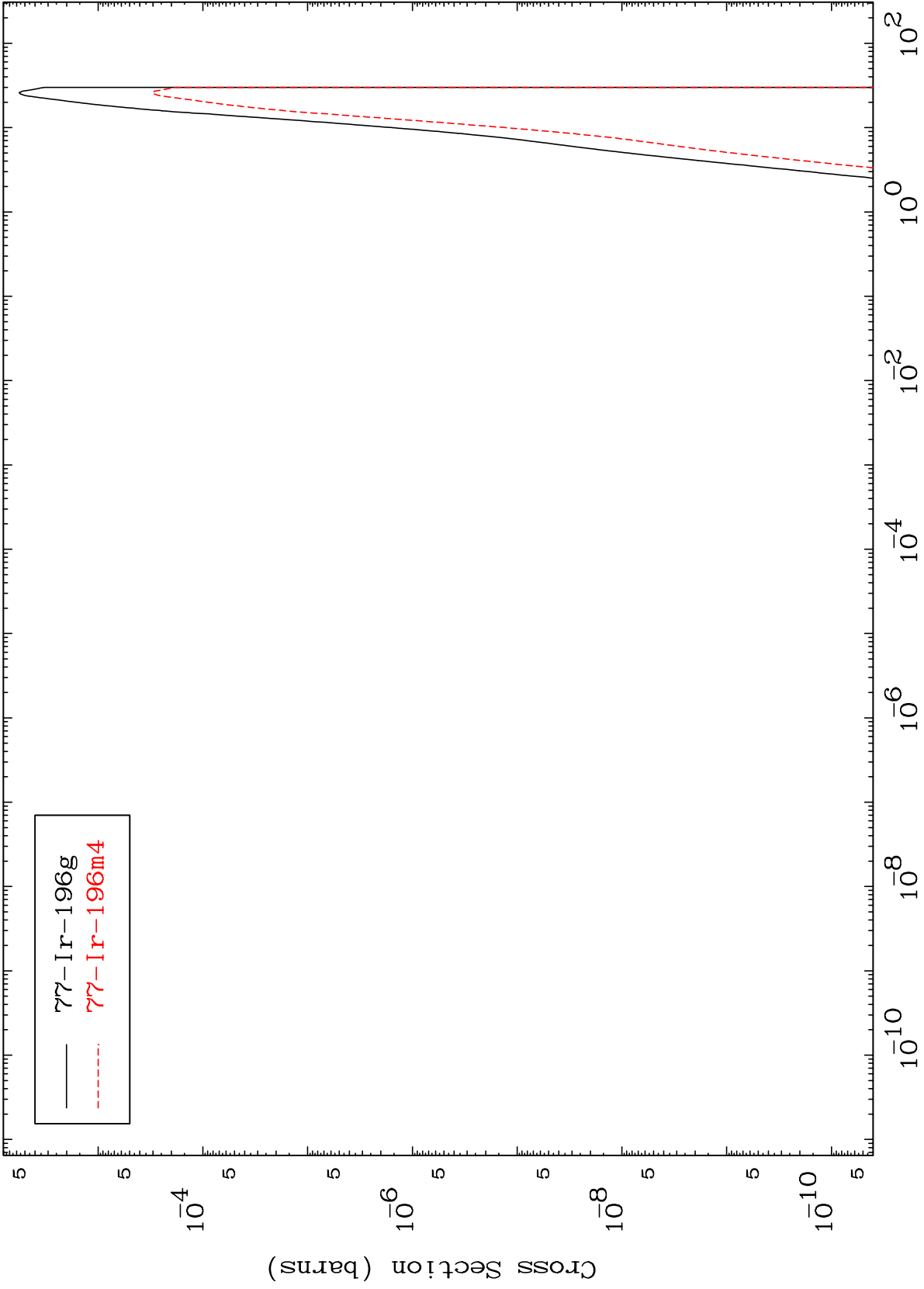


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(n,  $\alpha$ )

79-Au-199

Radionuclide Production Cross Section



—  $^{77}\text{Ir-196g}$   
- - -  $^{77}\text{Ir-196m4}$