

Program EVALPLOT  
(Version 2015-2)

by

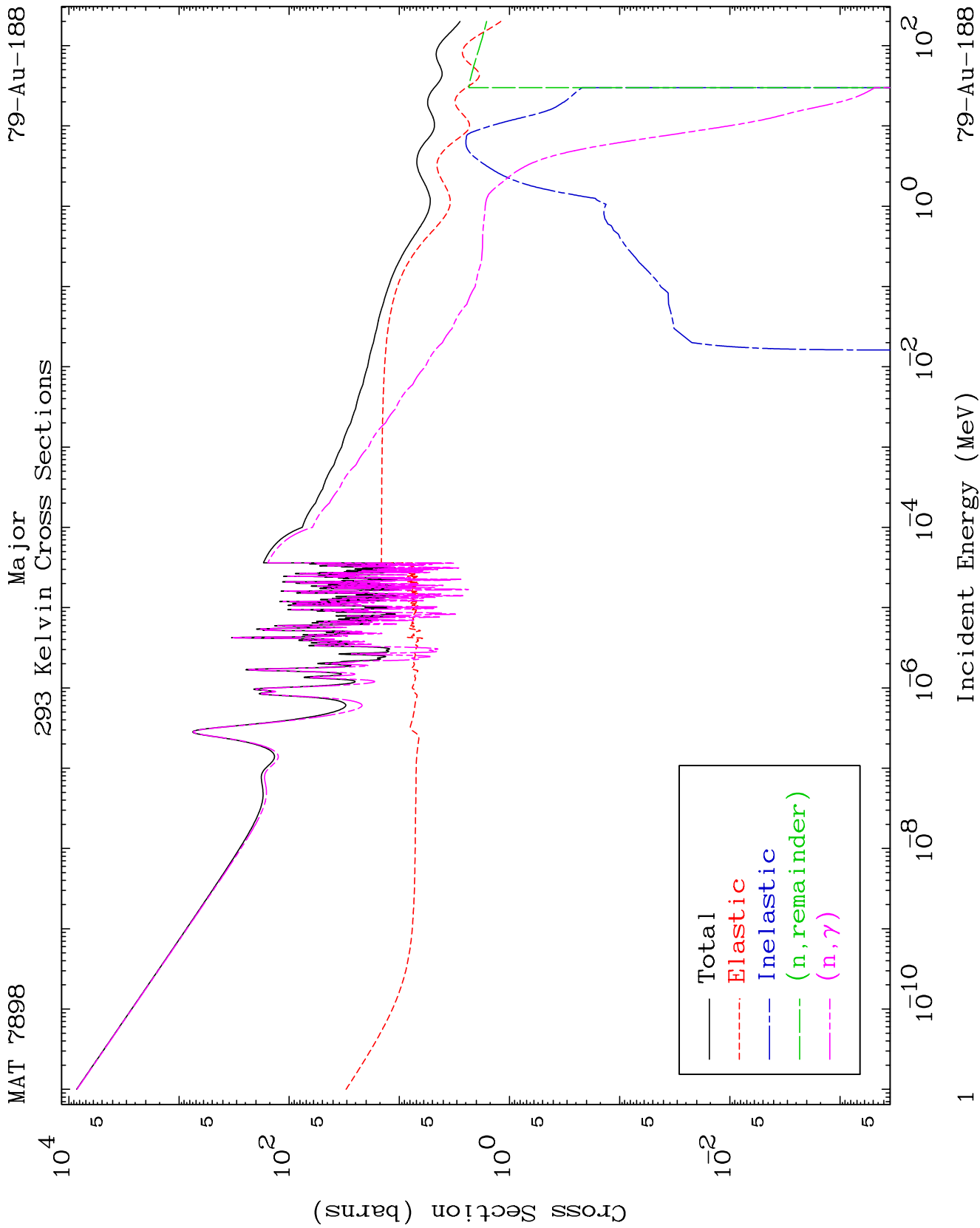
Dermott E. Cullen  
(Present Contact Information)

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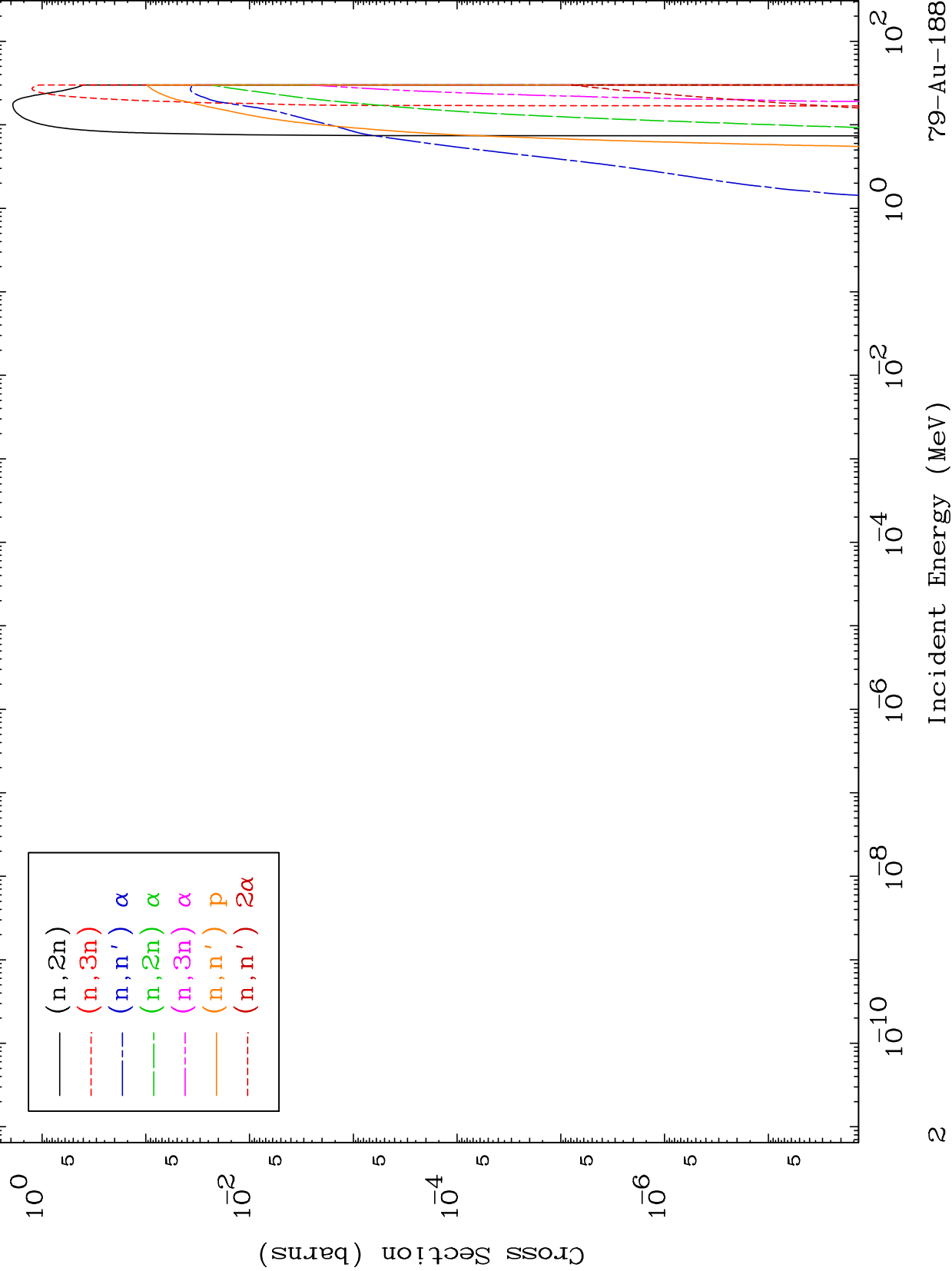
Press Mouse Button to Start



MAT 7898

Neutron Production  
293 Kelvin Cross Sections

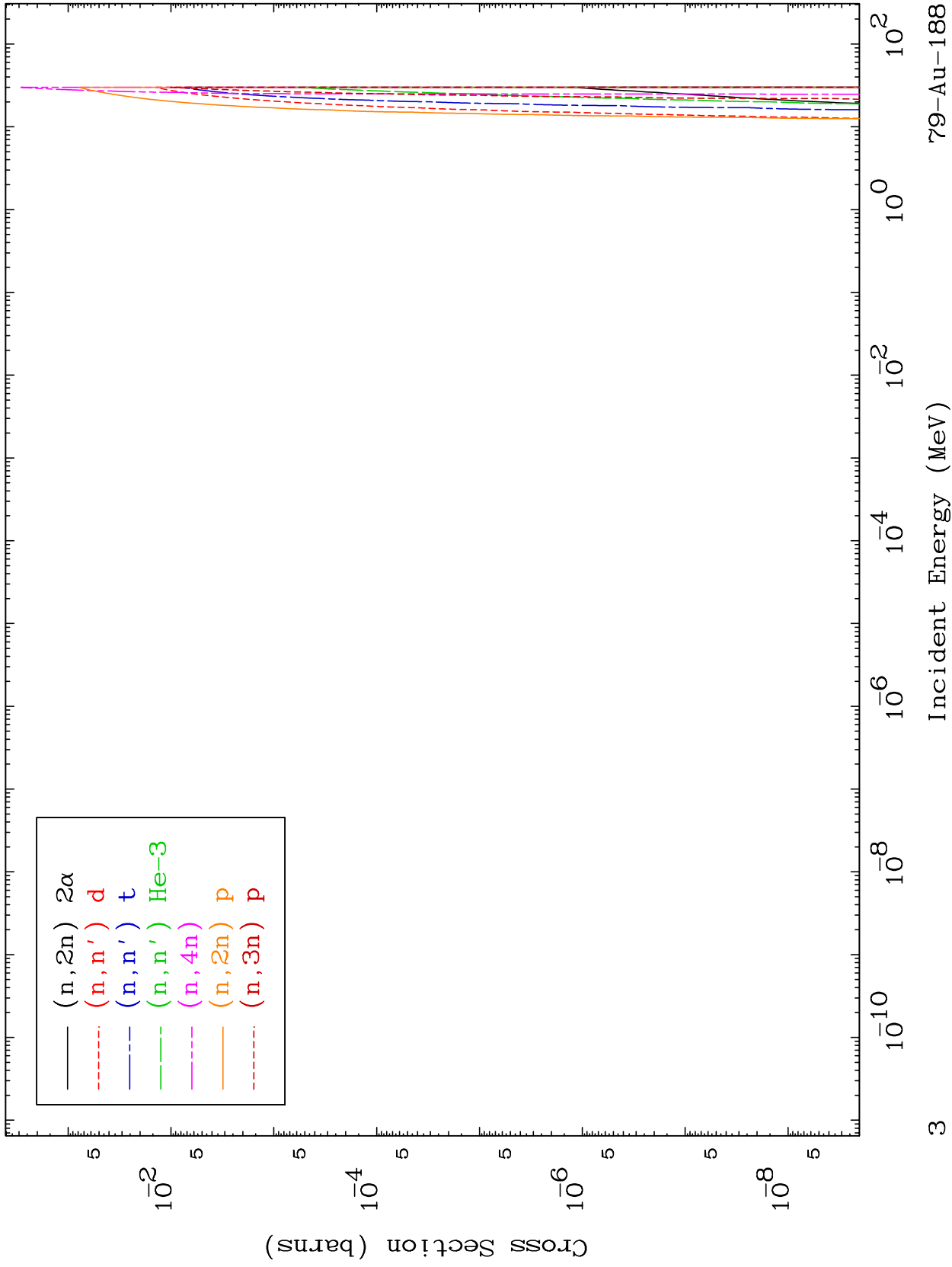
79-Au-188



MAT 7898

Neutron Production  
293 Kelvin Cross Sections

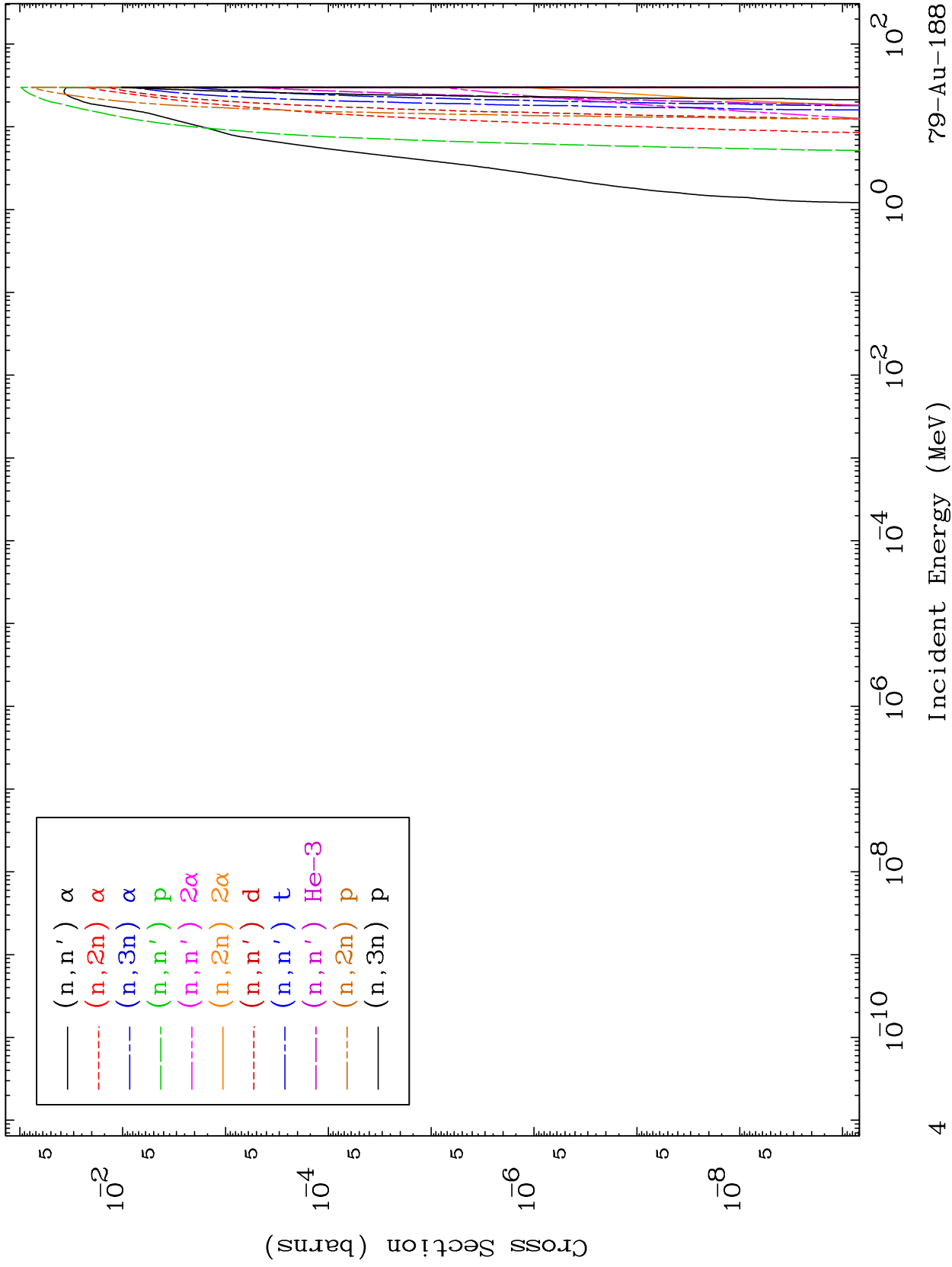
79-Au-188



MAT 7898

Charged Particle  
293 Kelvin Cross Sections

79-Au-188

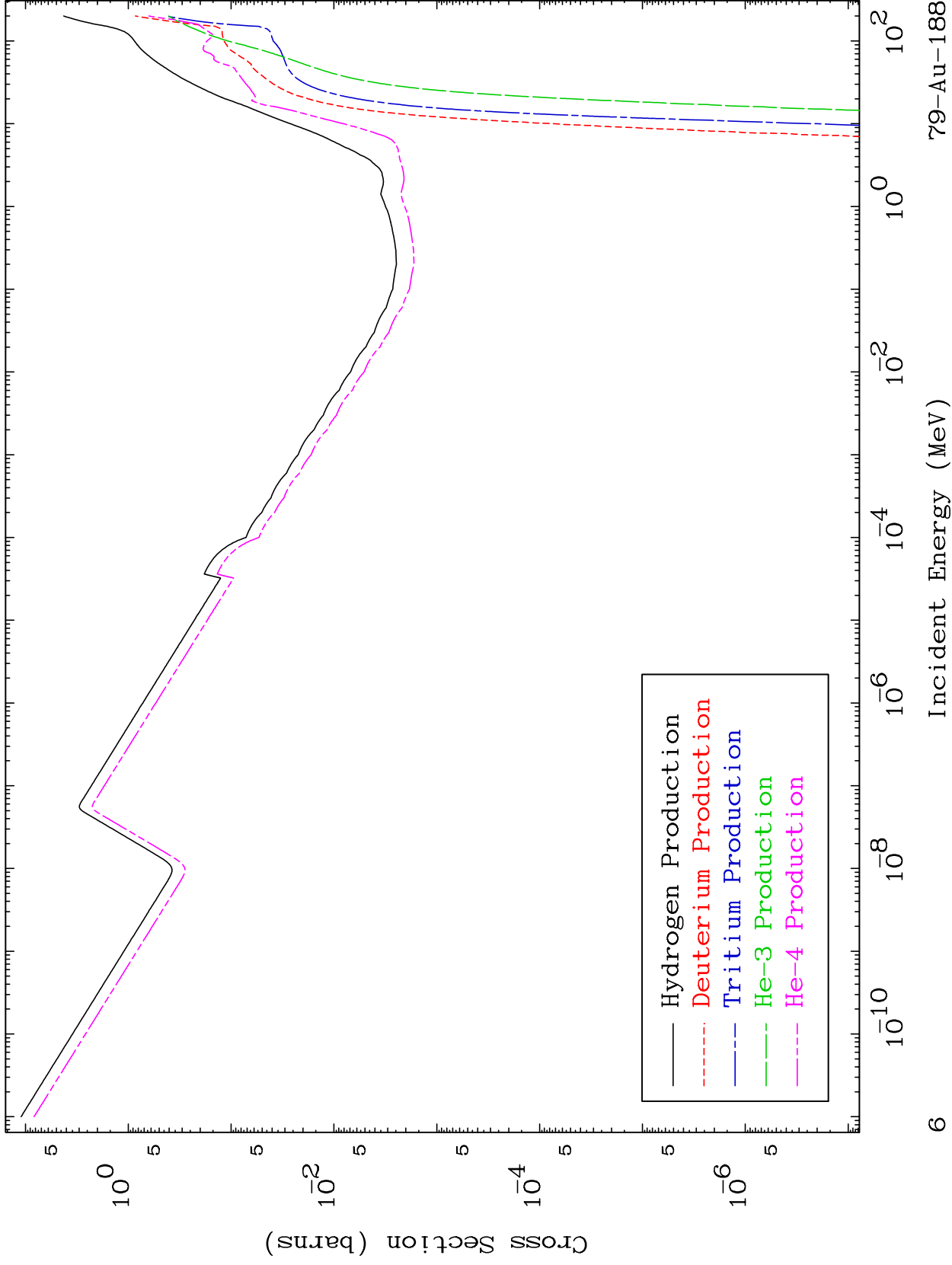




MAT 7898

Particle Production  
293 Kelvin Cross Sections

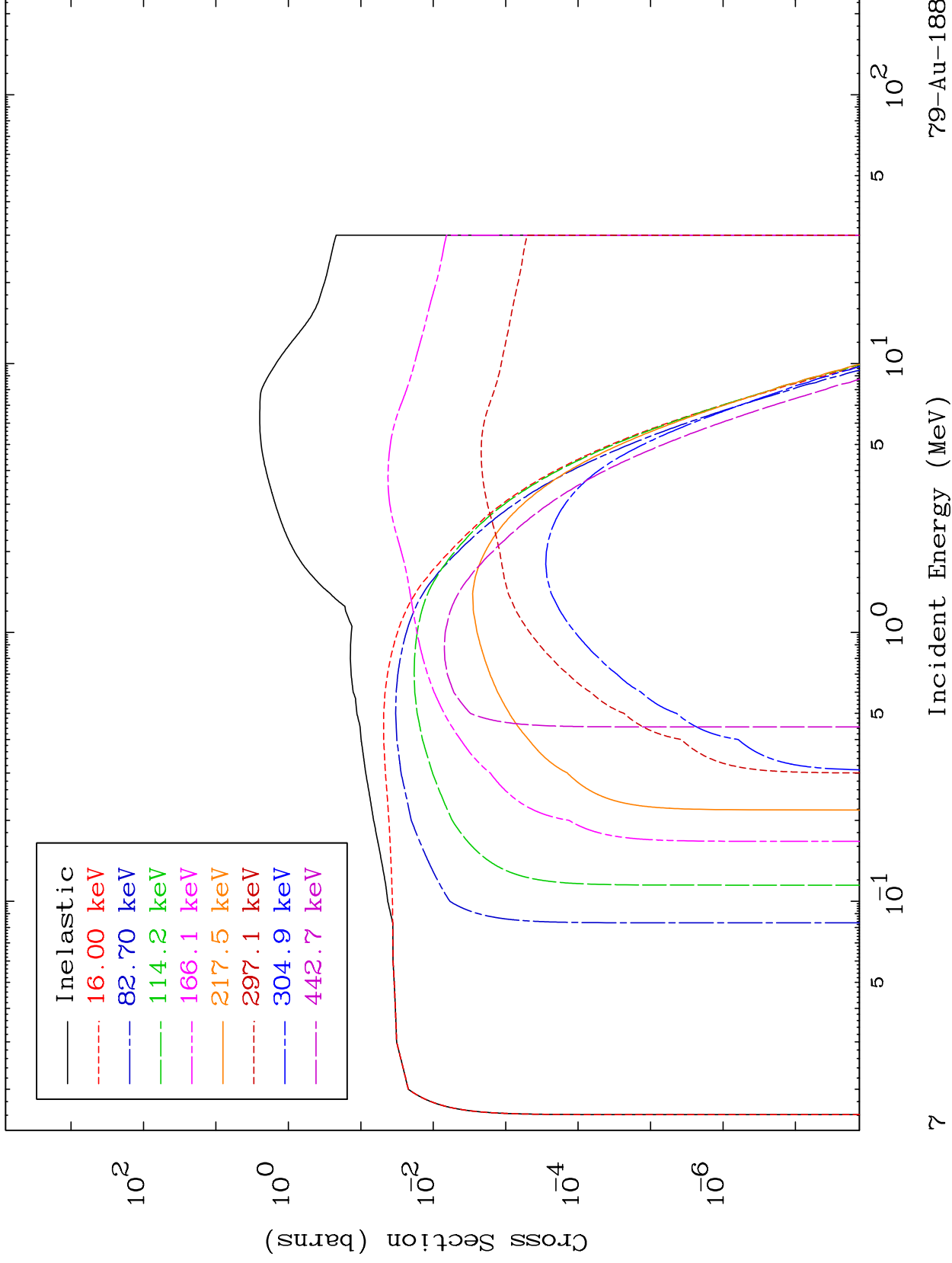
79-Au-188



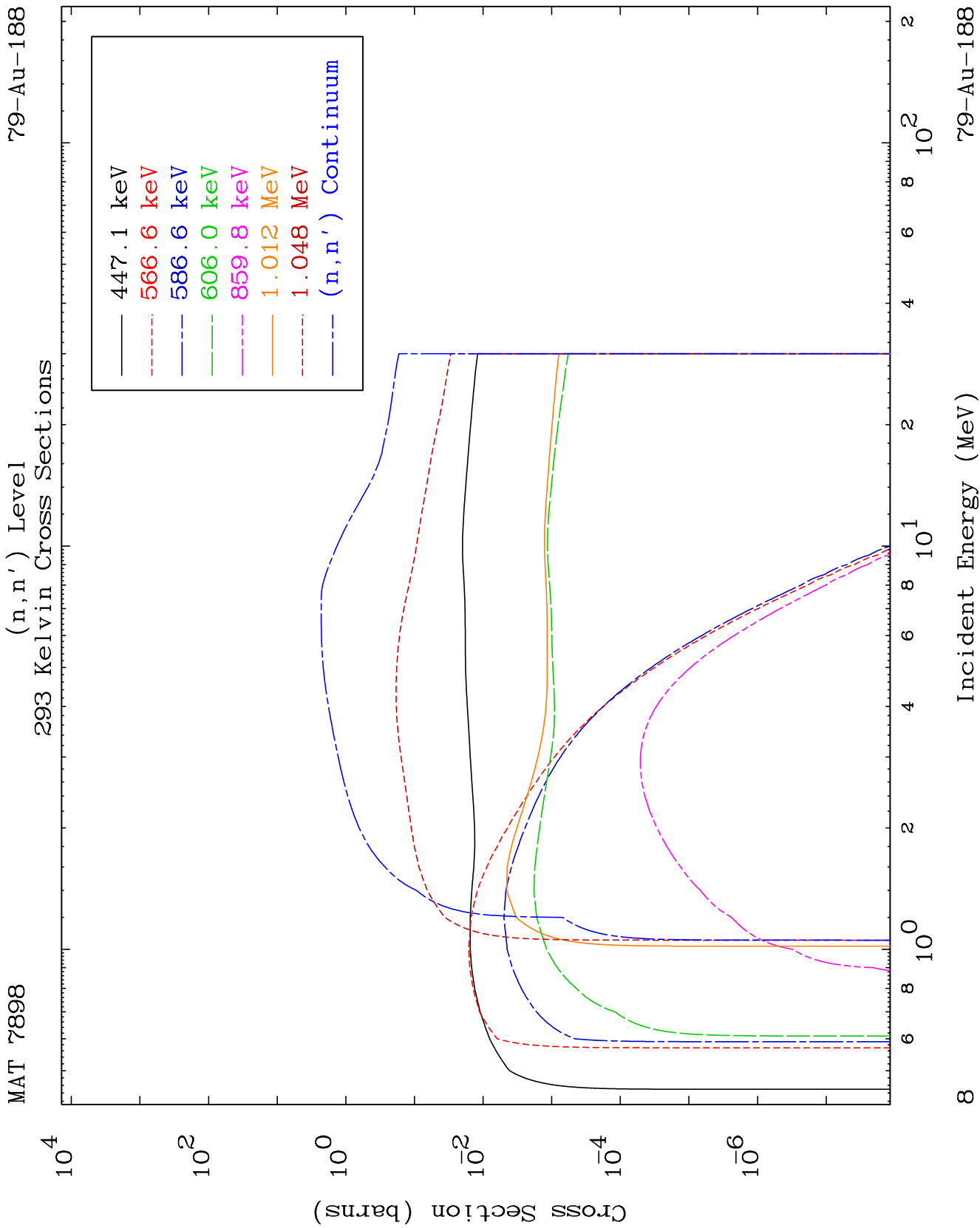
MAT 7898

(n,n') Level  
293 Kelvin Cross Sections

79-Au-188



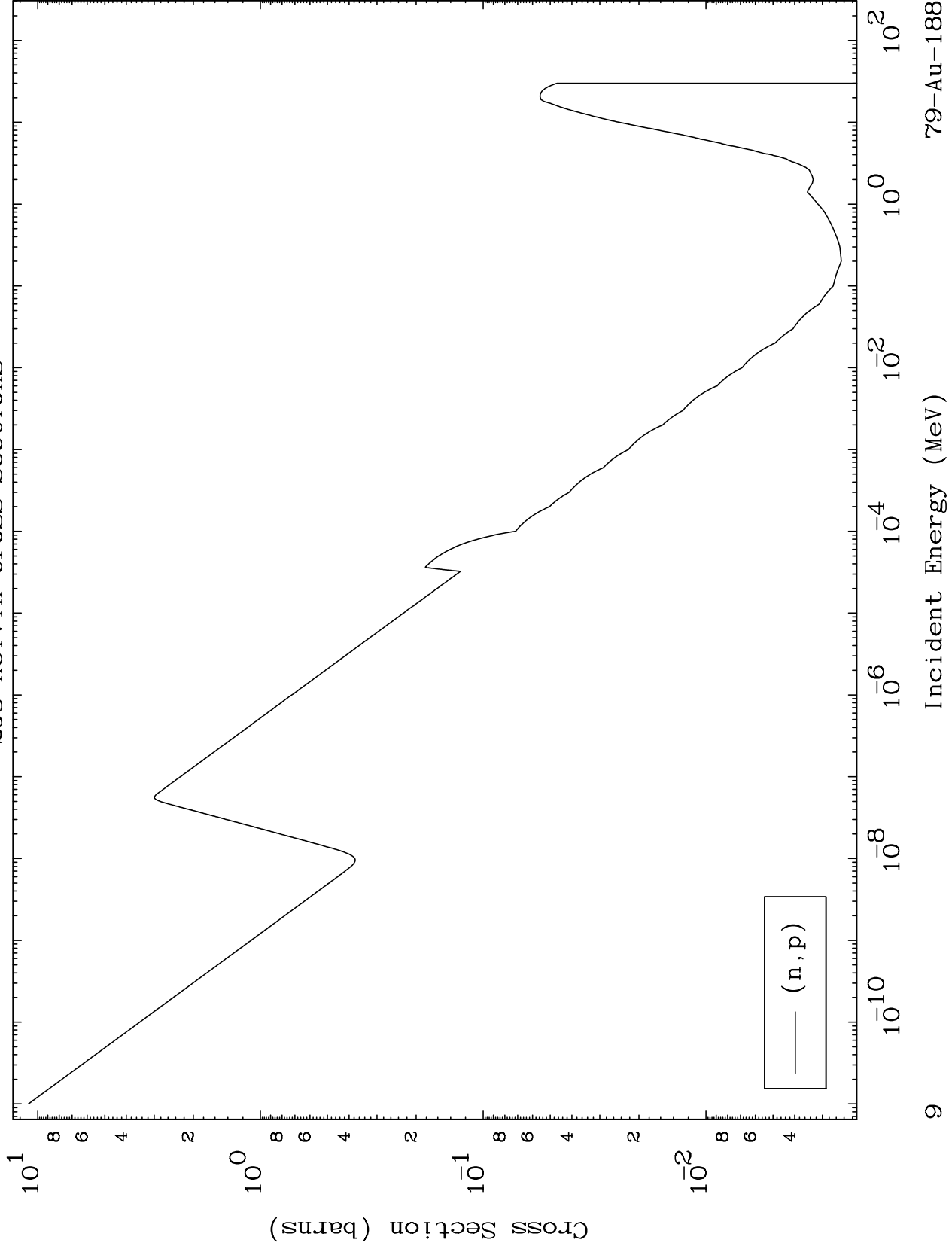




MAT 7898

(n,p) Levels  
293 Kelvin Cross Sections

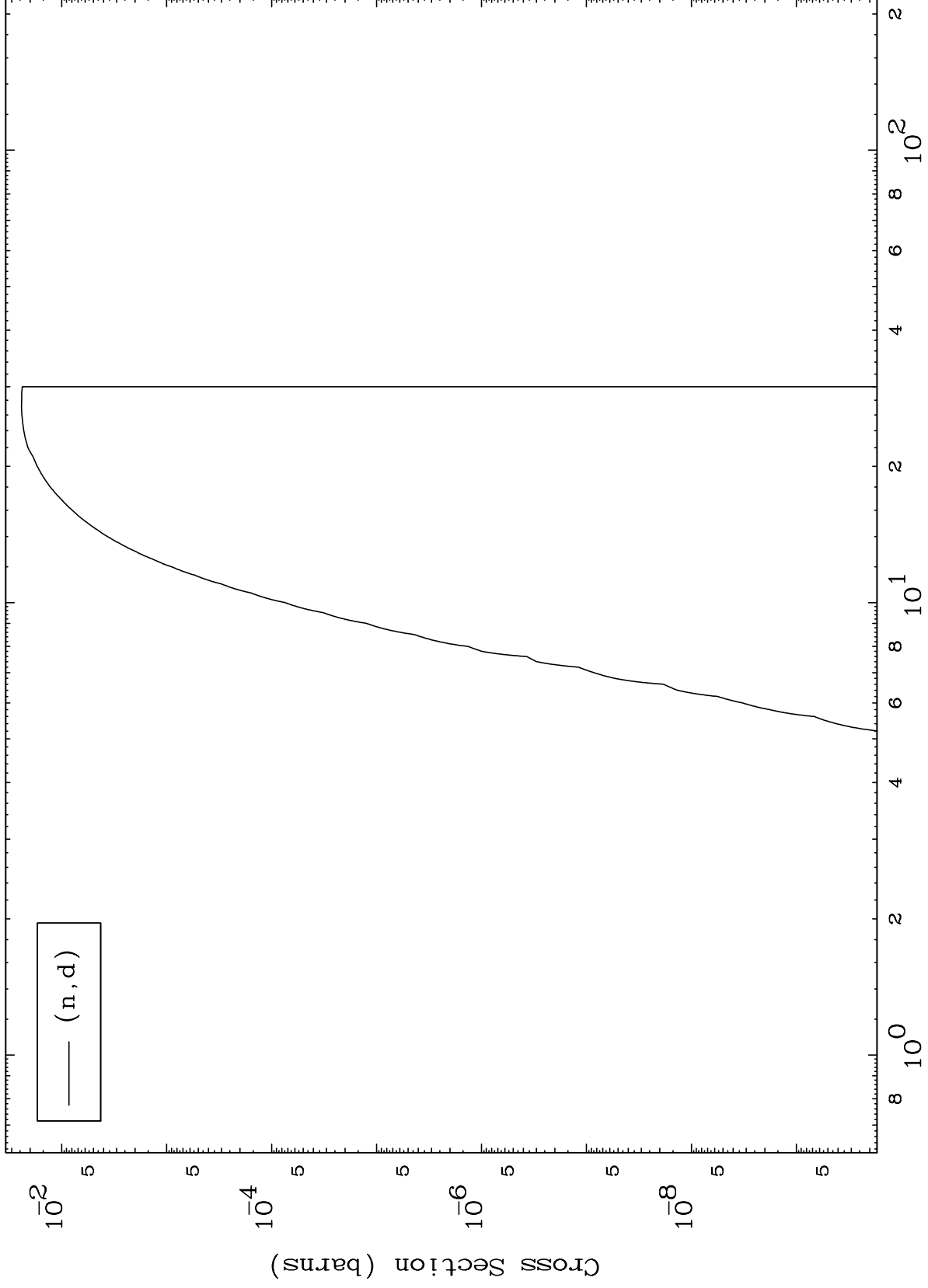
79-Au-188



MAT 7898

(n,d) Levels  
293 Kelvin Cross Sections

79-Au-188



10

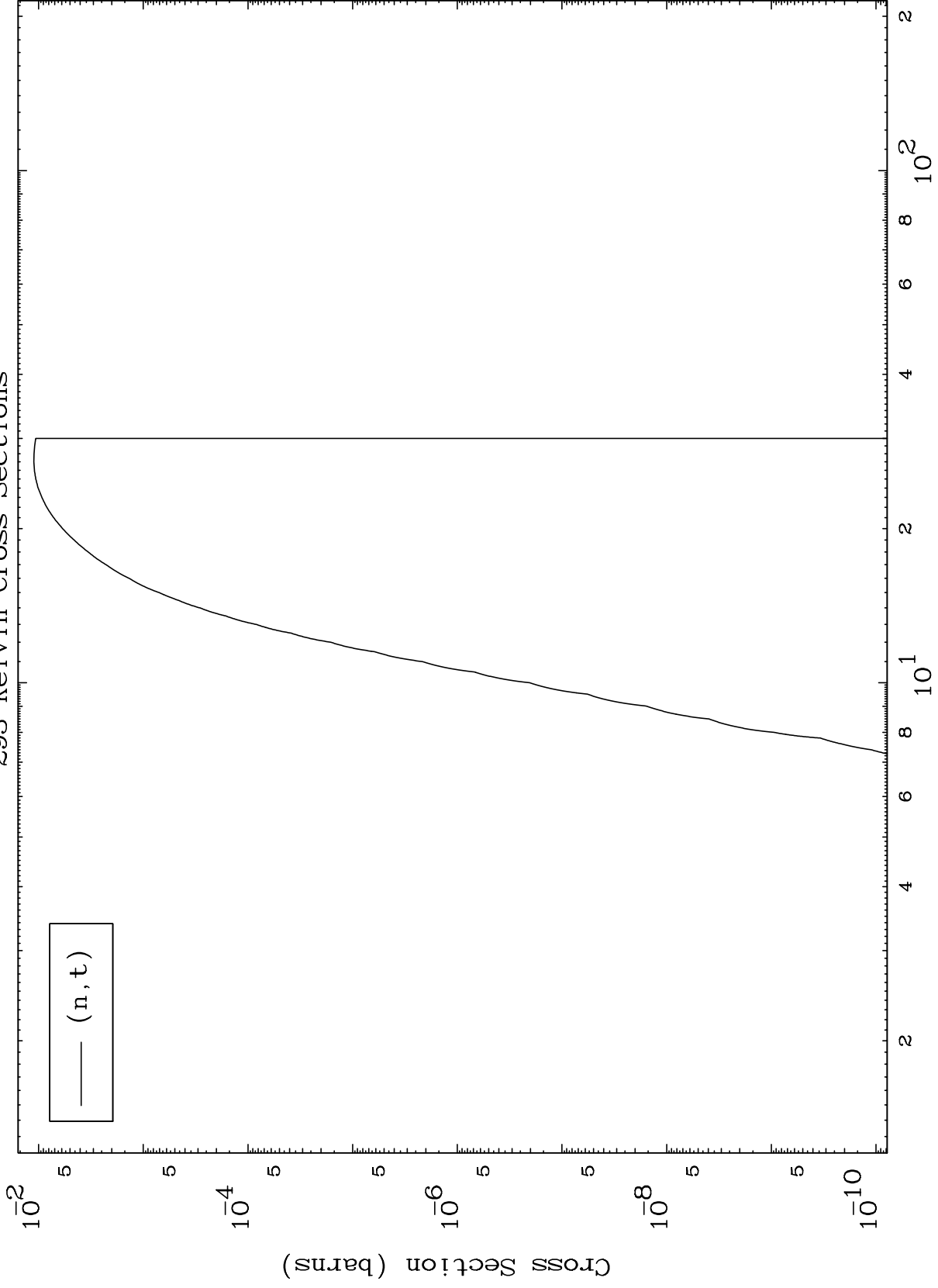
Incident Energy (MeV)

79-Au-188

MAT 7898

(n,t) Levels  
293 Kelvin Cross Sections

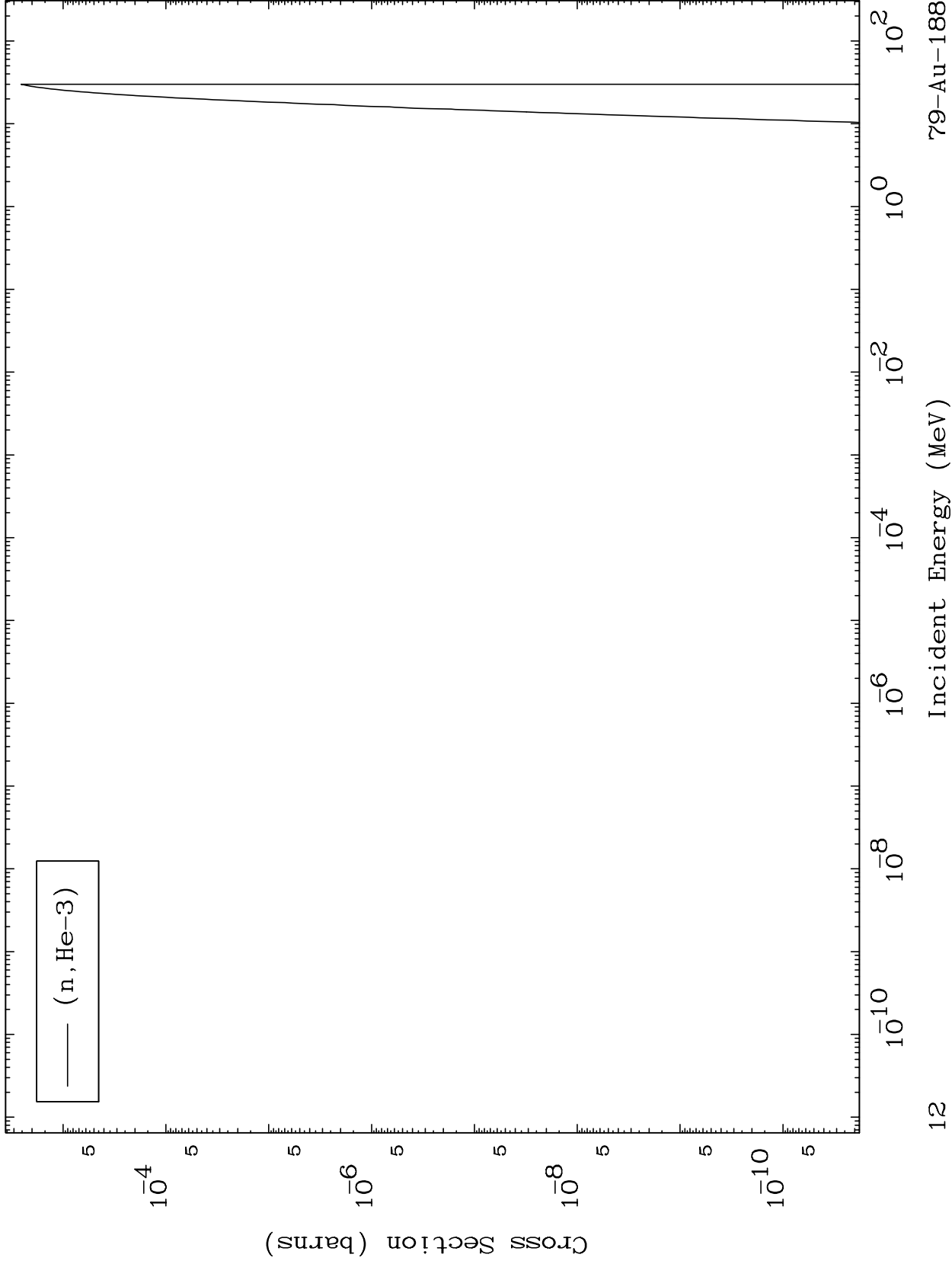
79-Au-188



MAT 7898

(n,He3) Levels  
293 Kelvin Cross Sections

79-Au-188



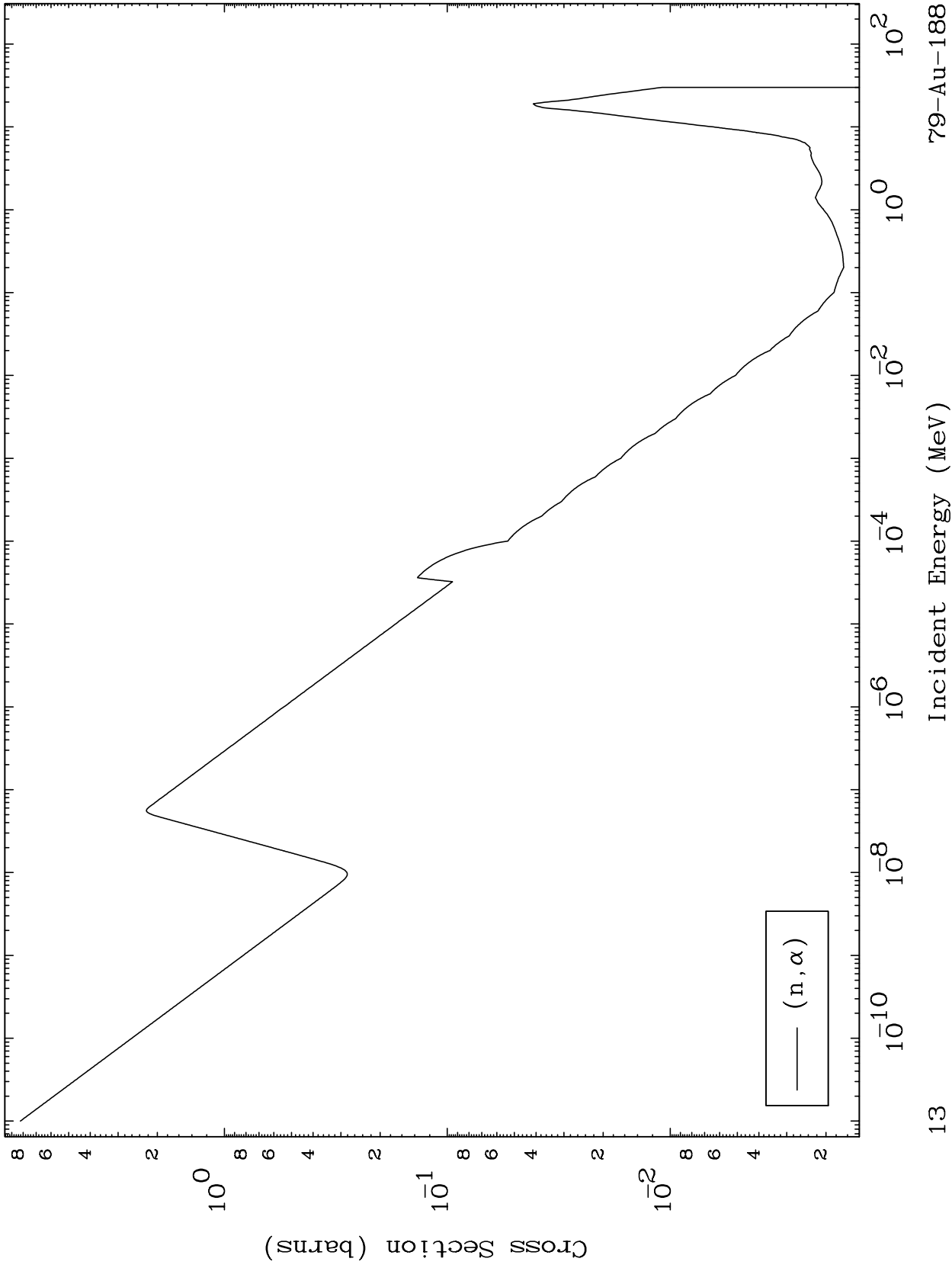
12

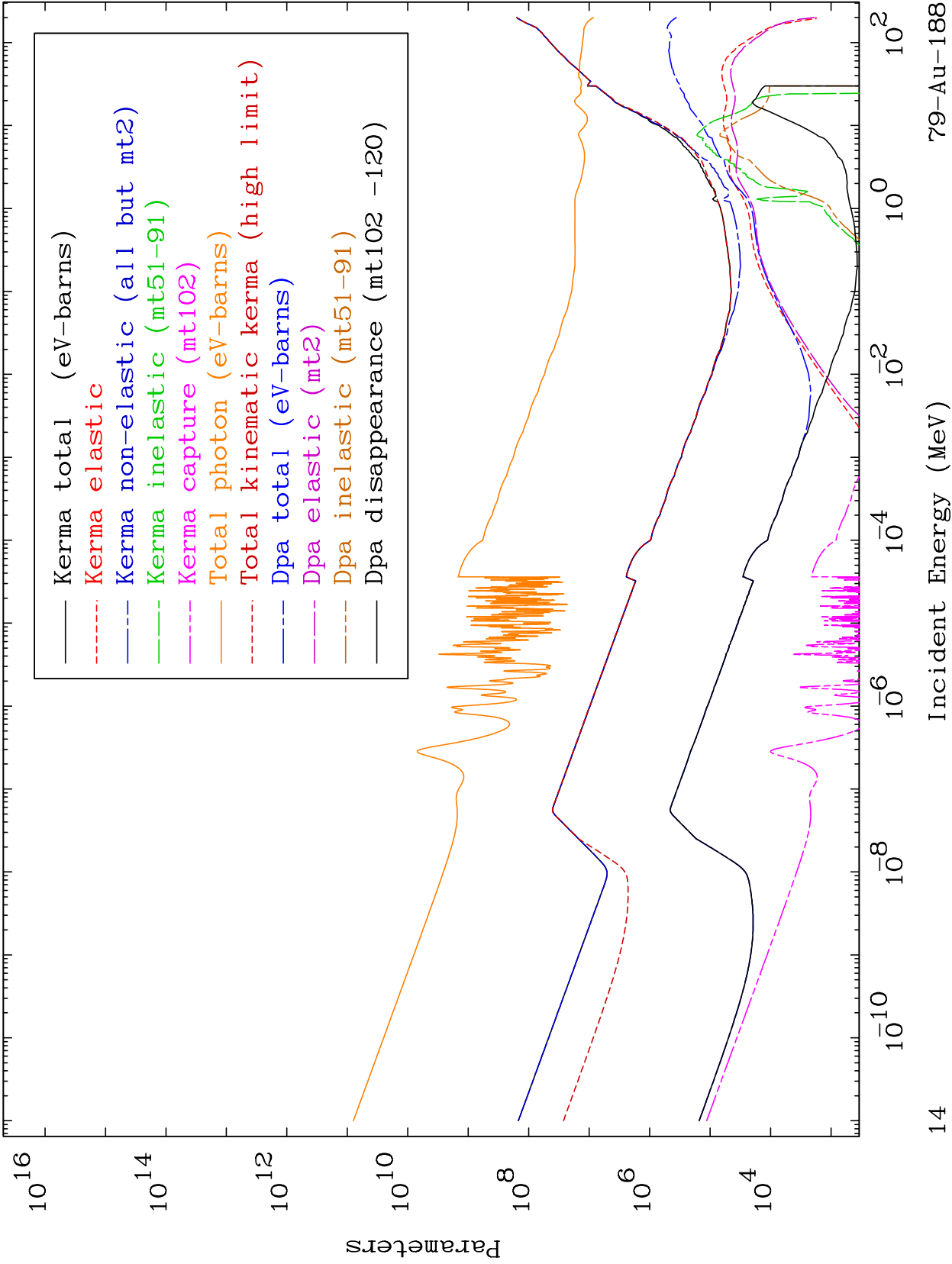
79-Au-188

MAT 7898

(n,α) Levels  
293 Kelvin Cross Sections

79-Au-188

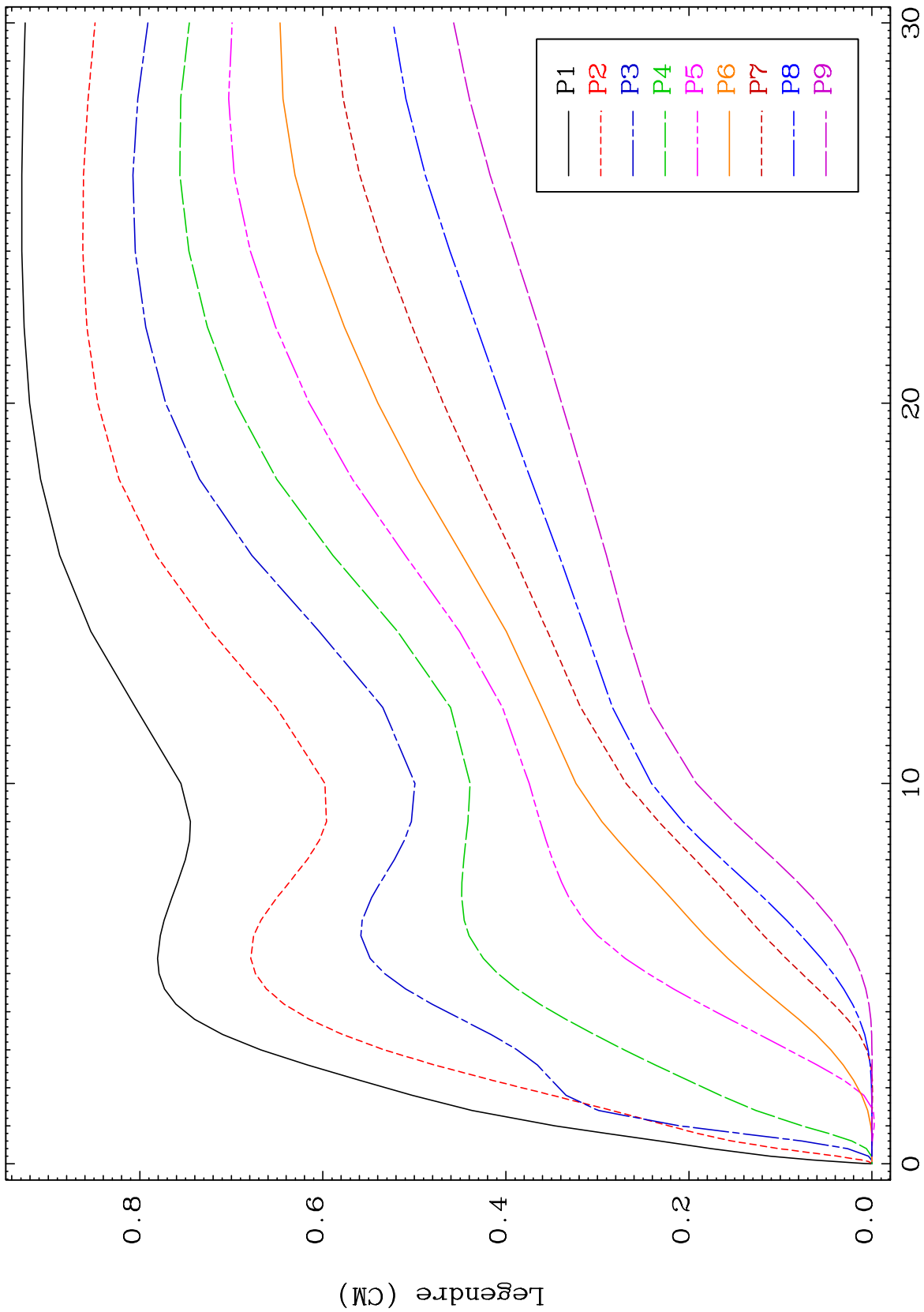




MAT 7898

79-Au-188

Elastic Legendre Coefficients



79-Au-188

Incident Energy (MeV)

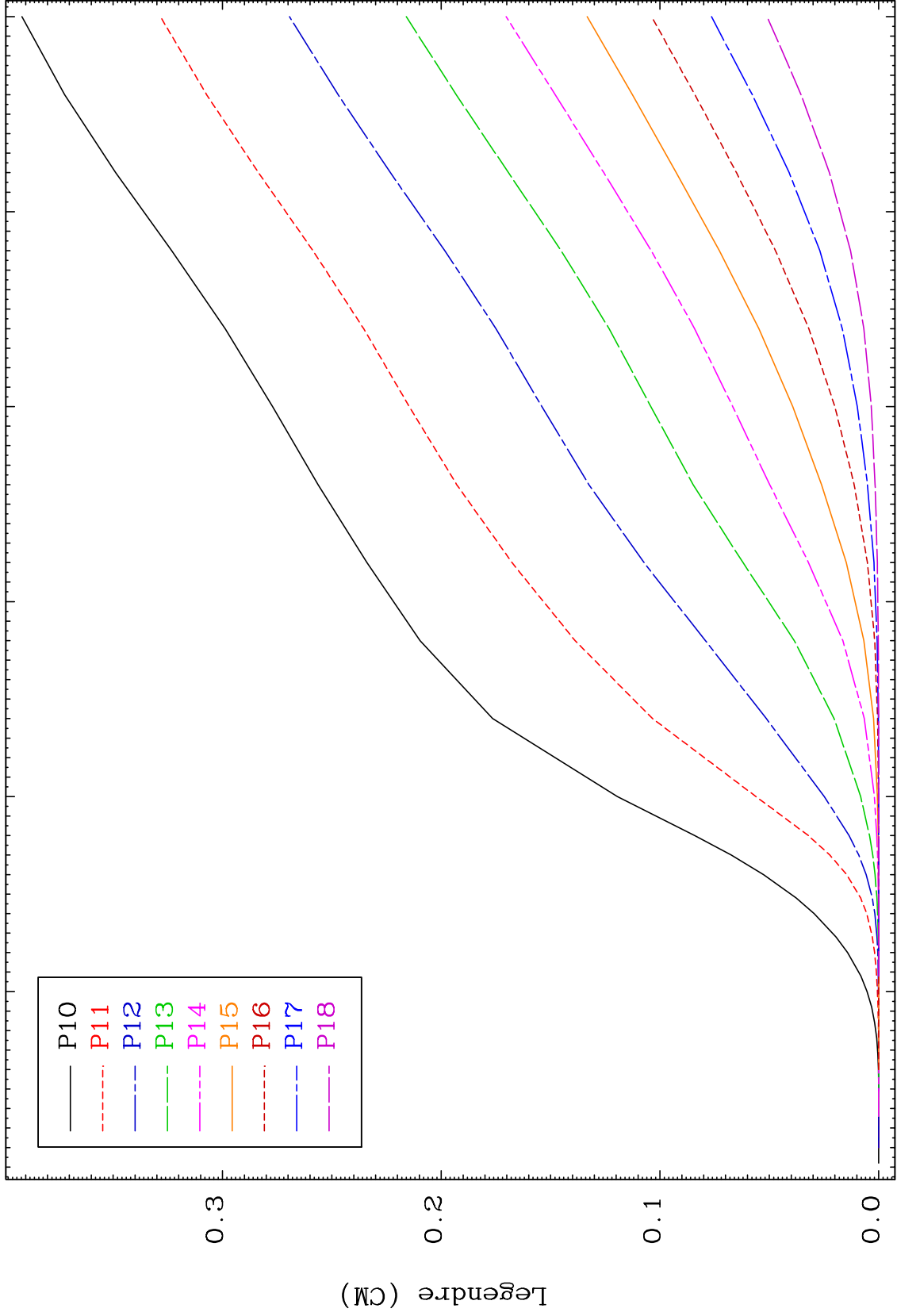
15



MAT 7898

Elastic Legendre Coefficients

79-Au-188



16

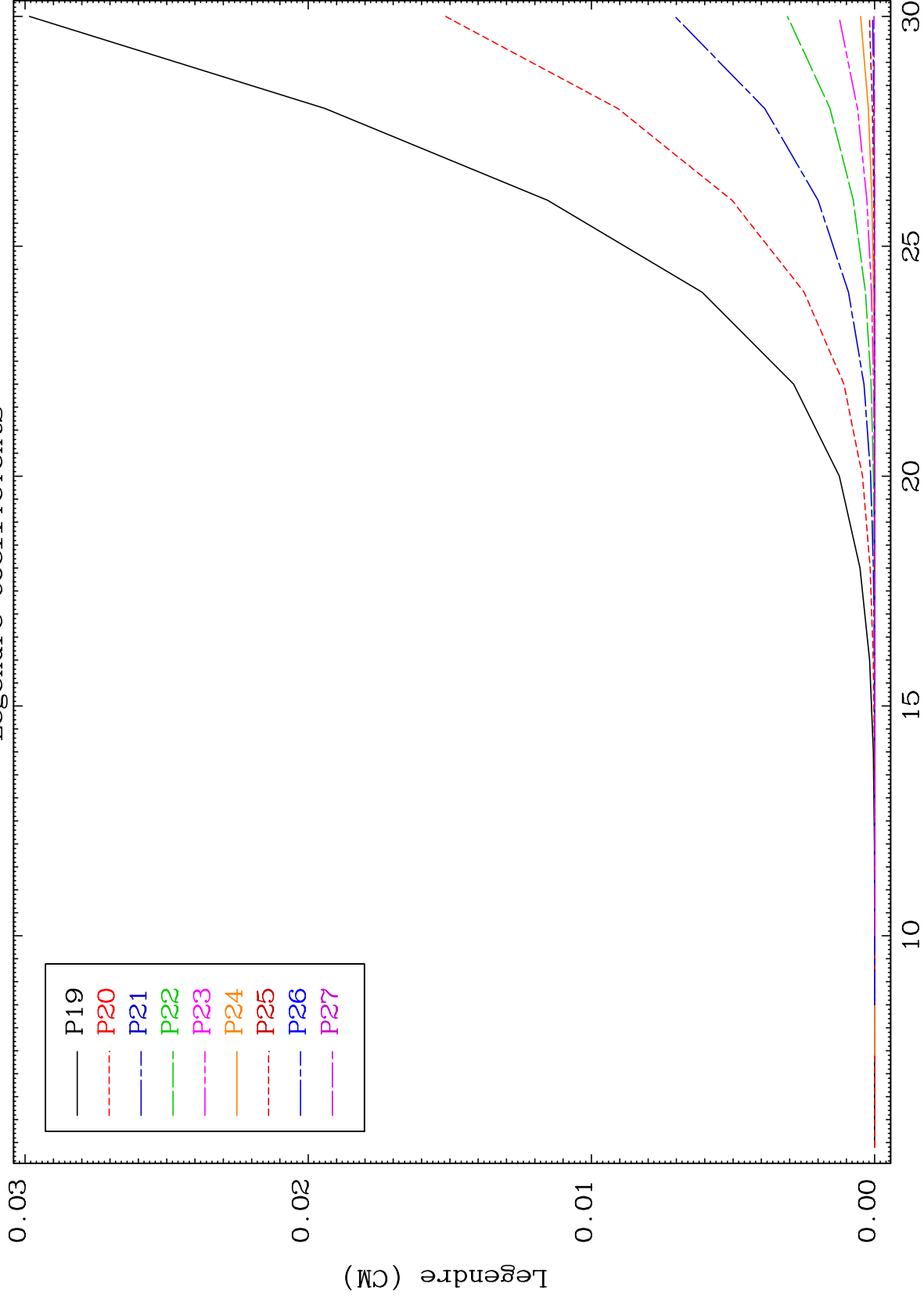
Incident Energy (MeV)

79-Au-188

MAT 7898

Elastic  
Legendre Coefficients

79-Au-188



17

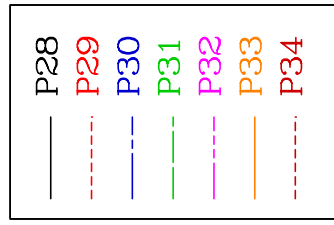
Incident Energy (MeV)

79-Au-188

MAT 7898

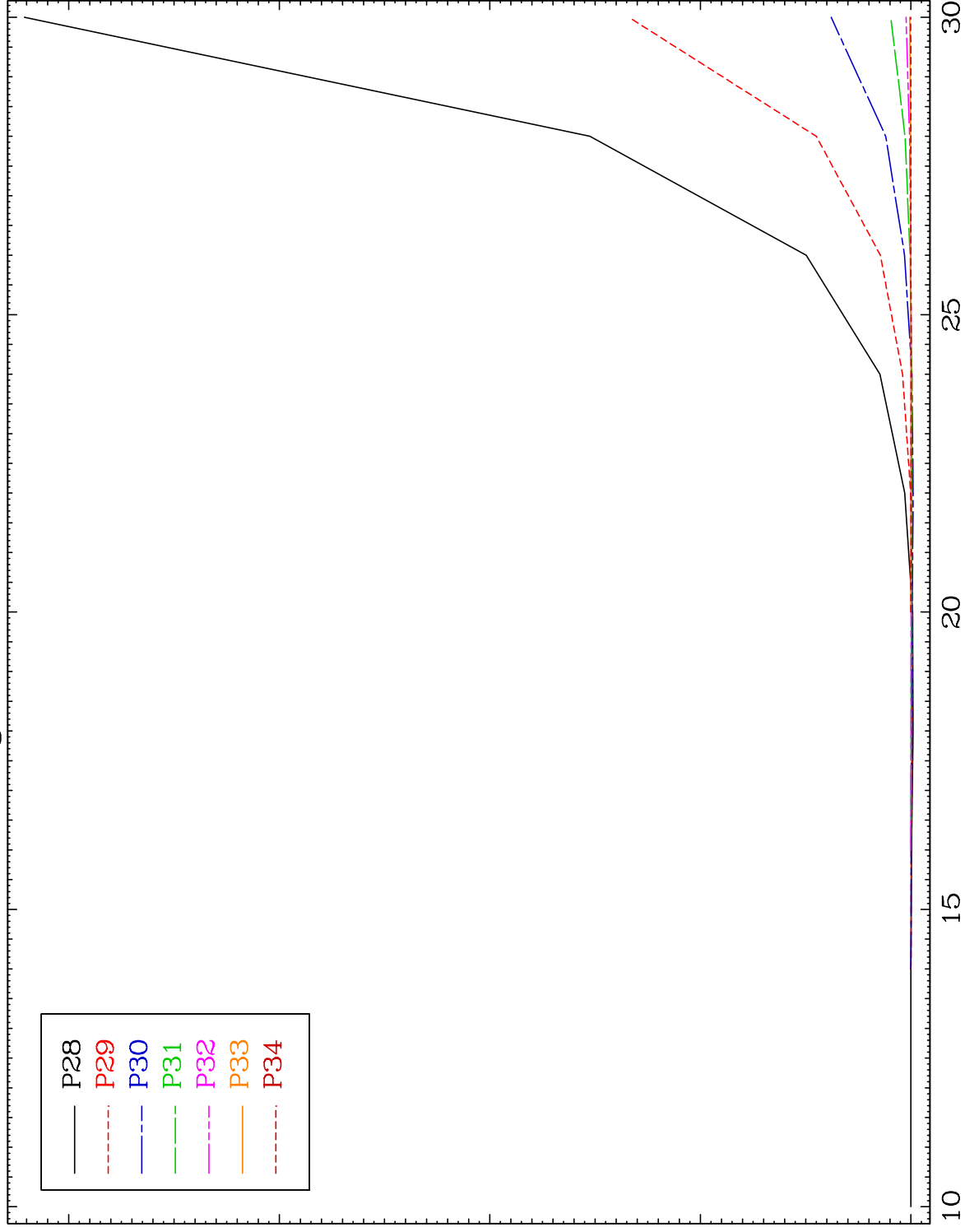
Elastic  
Legendre Coefficients

79-Au-188



$\times 10^{-68}$

Legendre (CM)



10

15

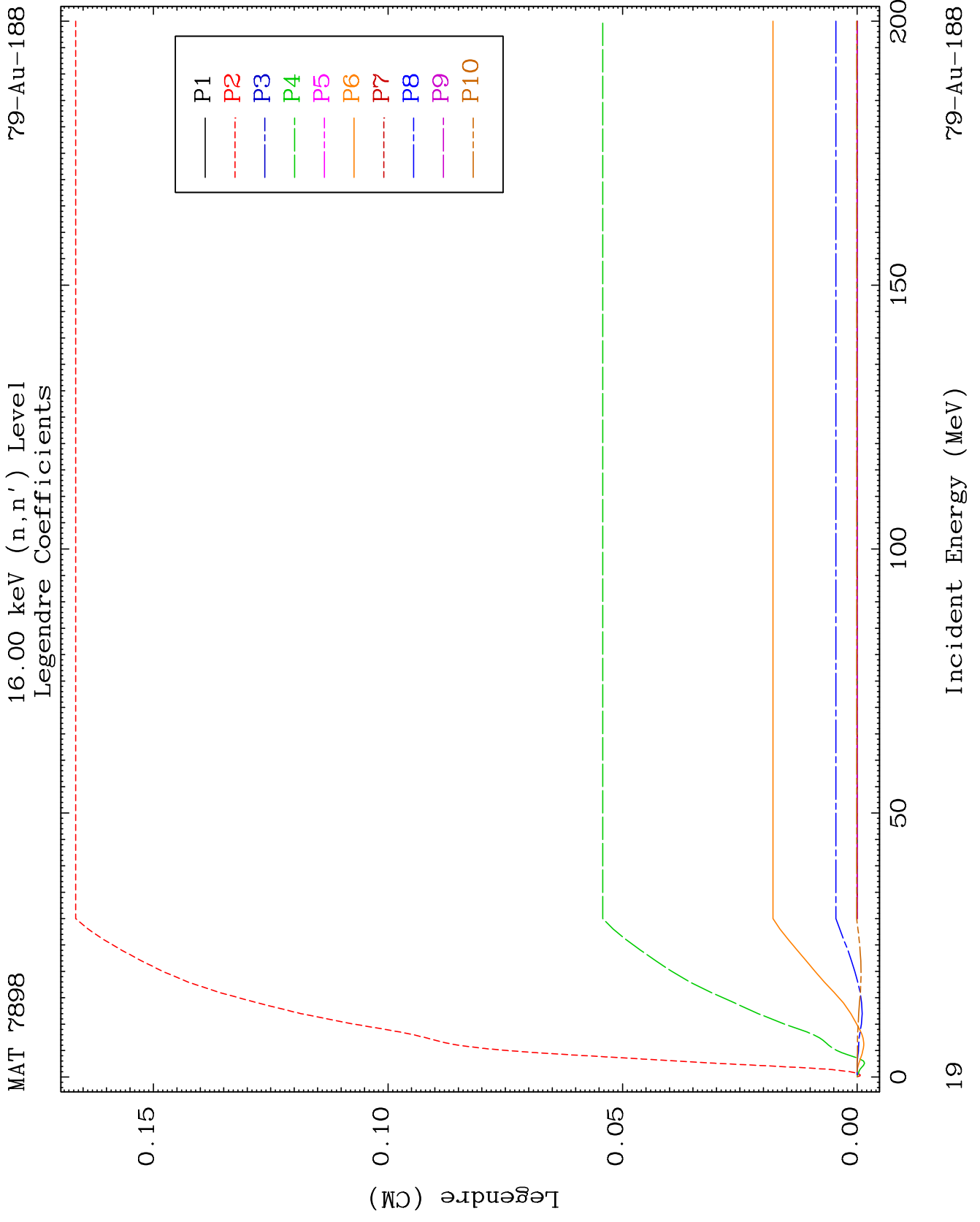
20

25

30

Incident Energy (MeV)

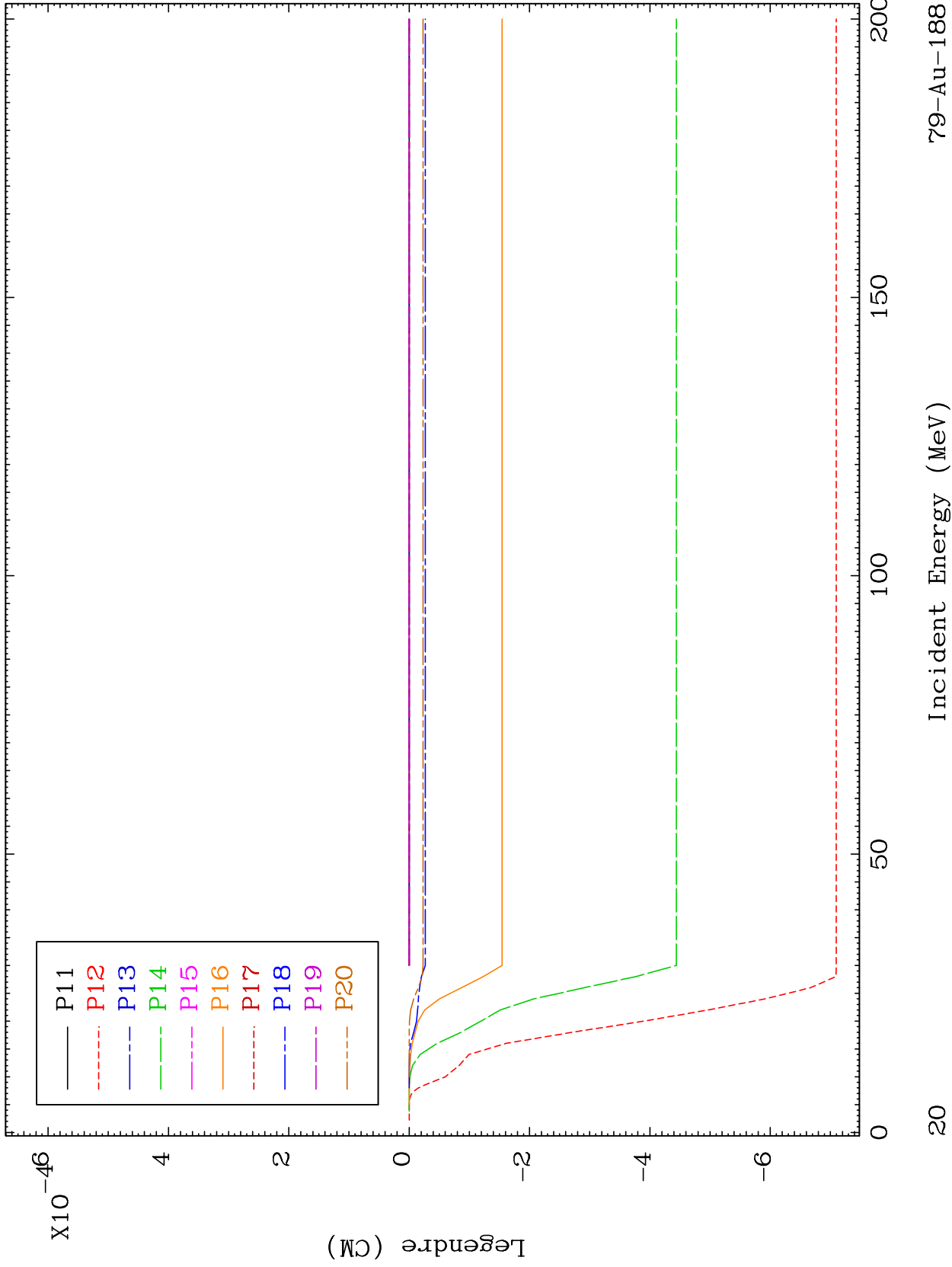
79-Au-188

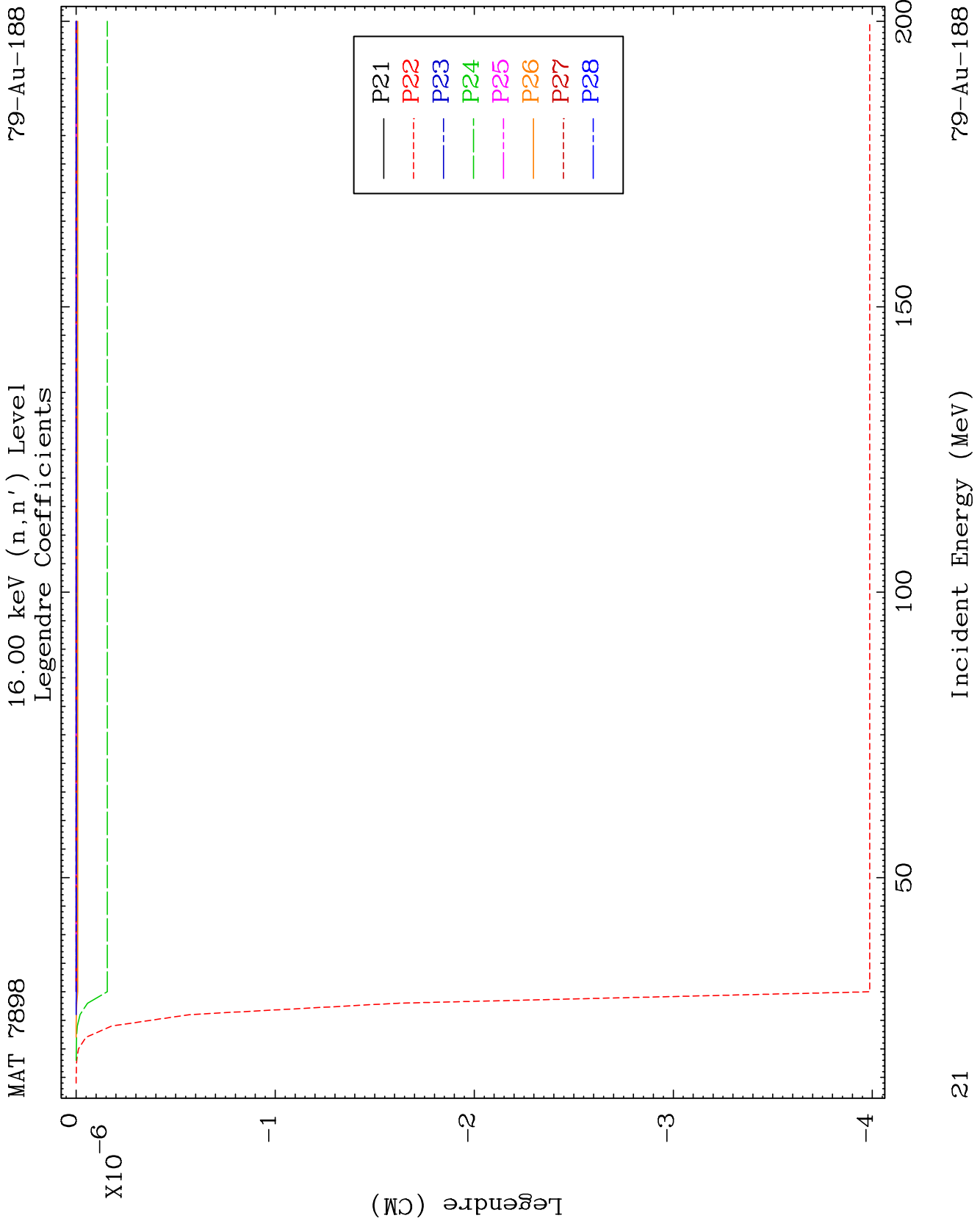


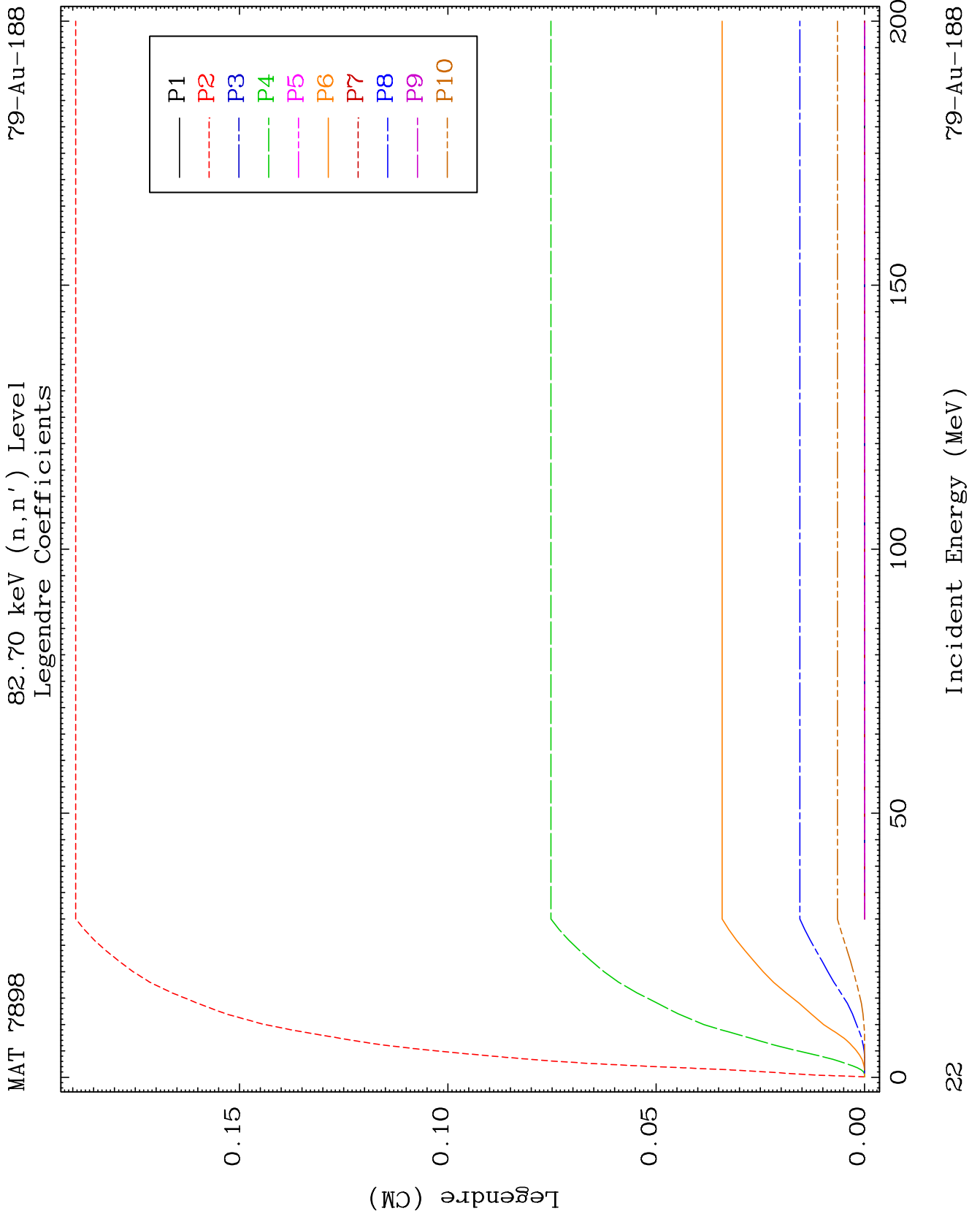
MAT 7898

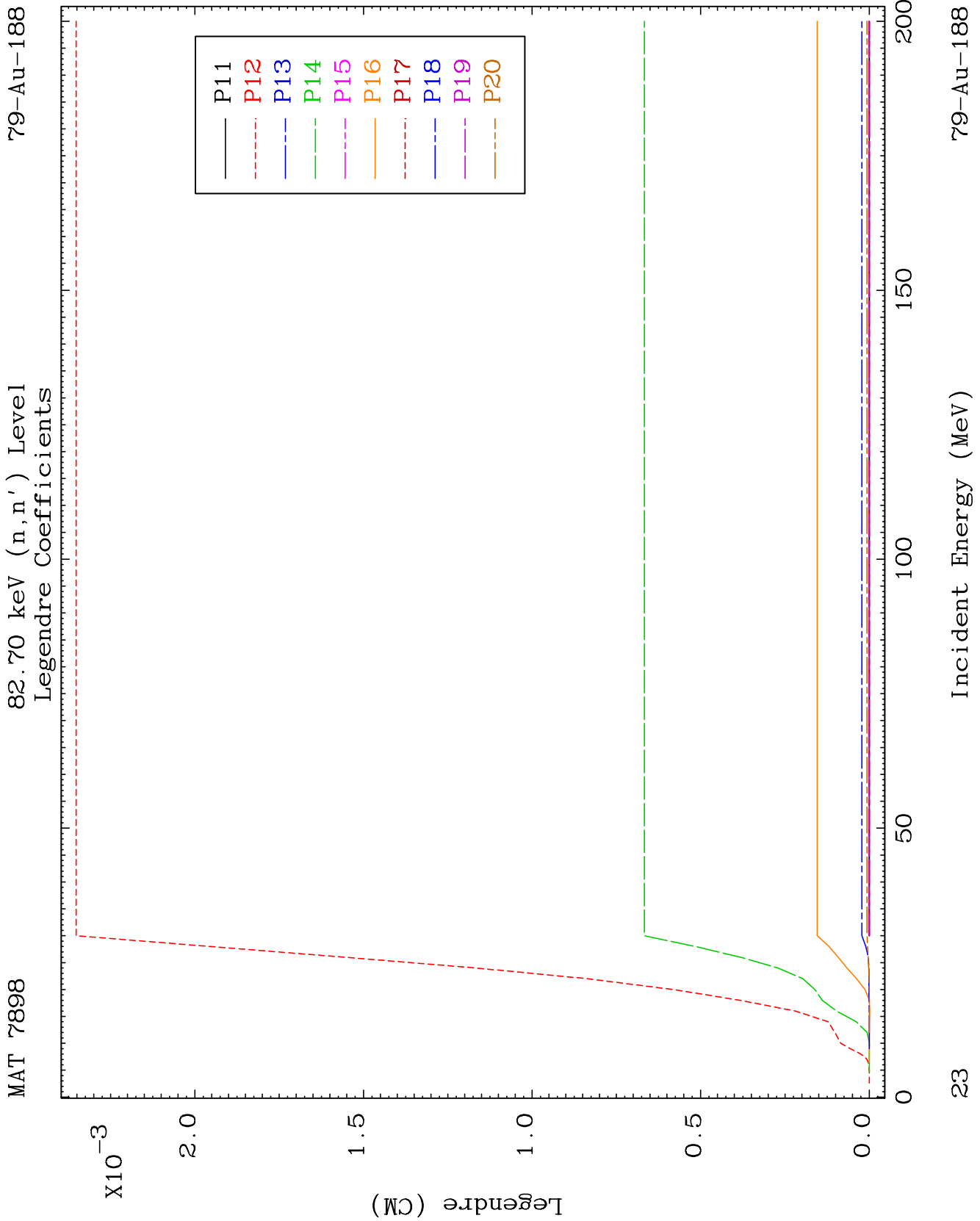
16.00 keV (n,n') Level  
Legendre Coefficients

79-Au-188

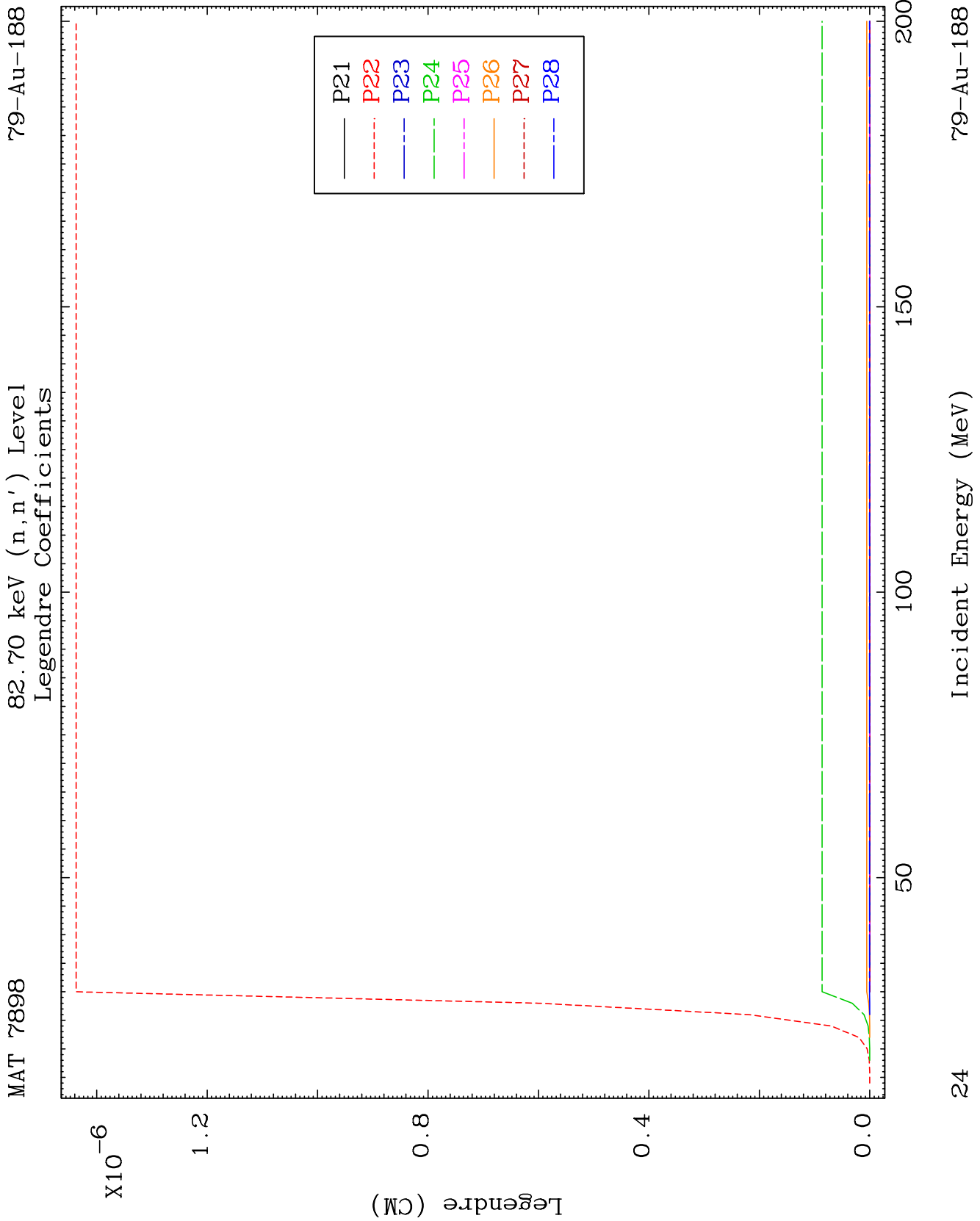


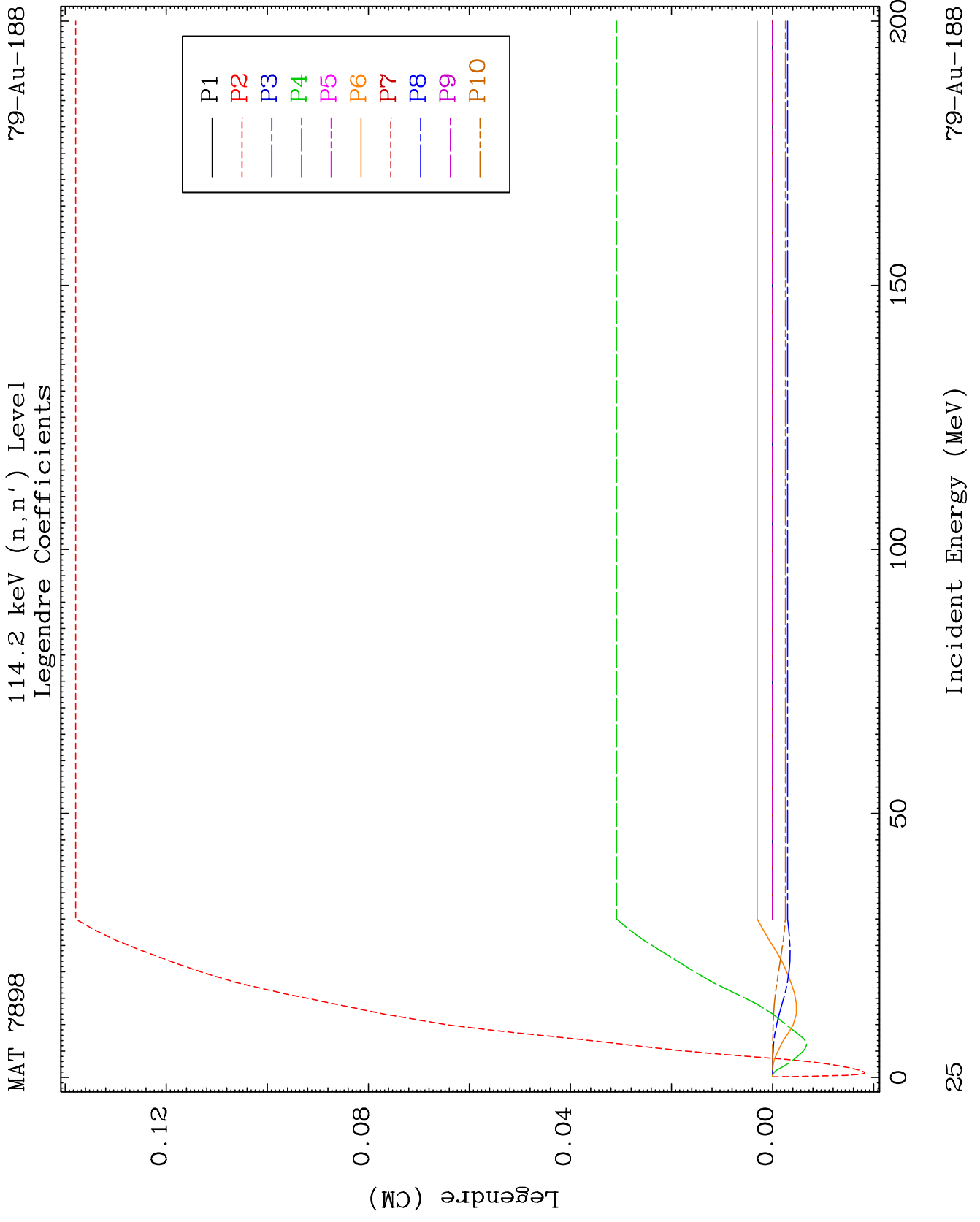


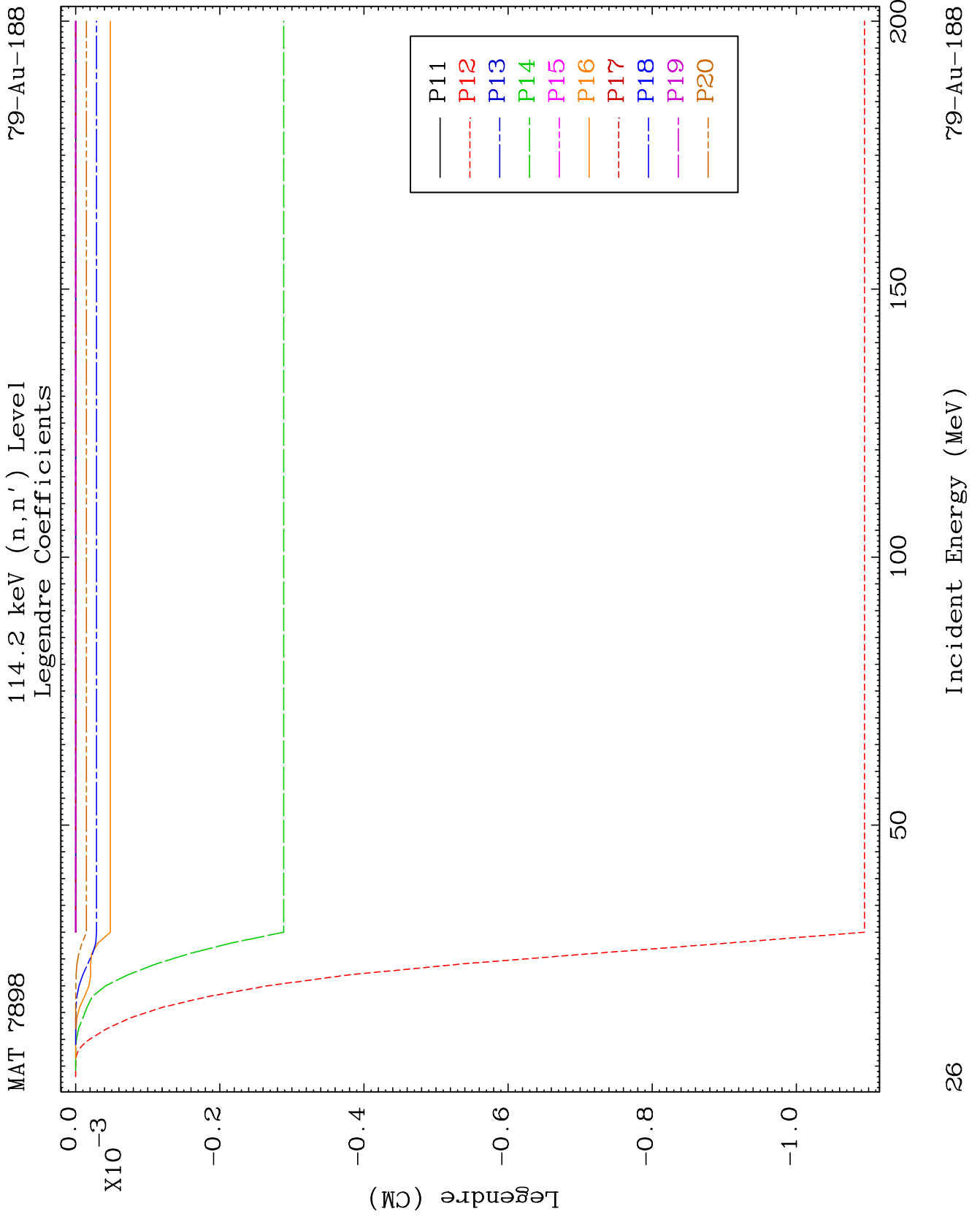


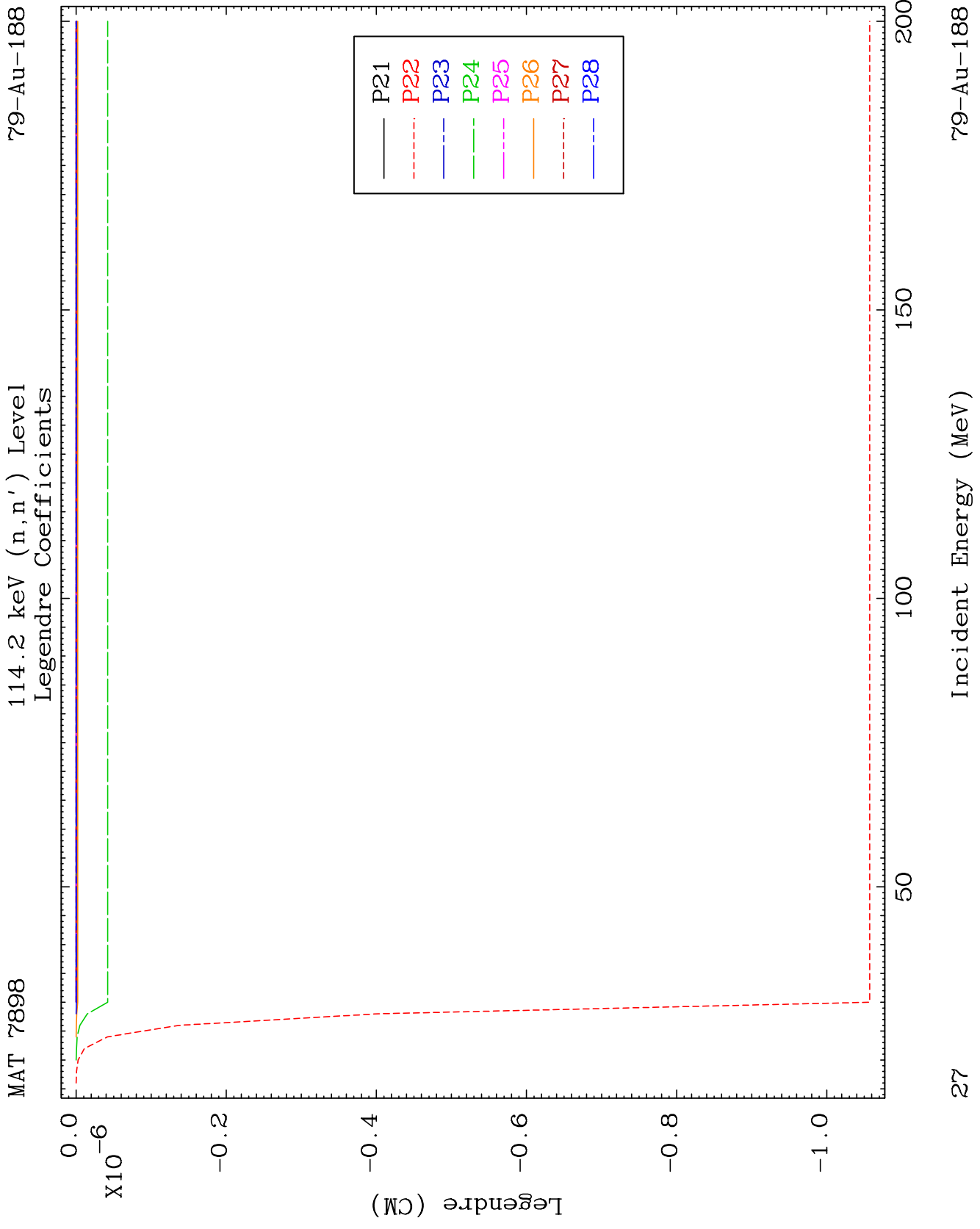


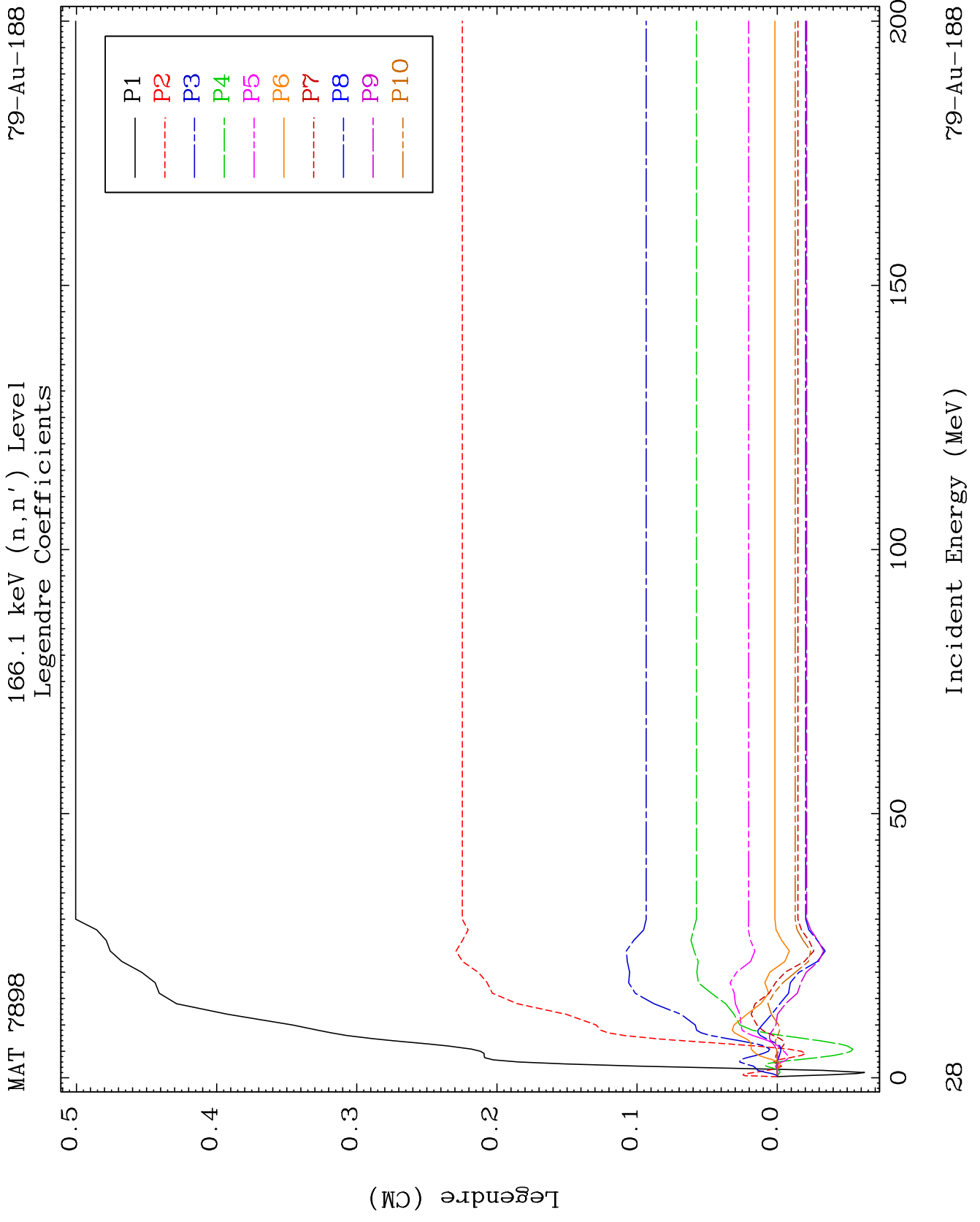








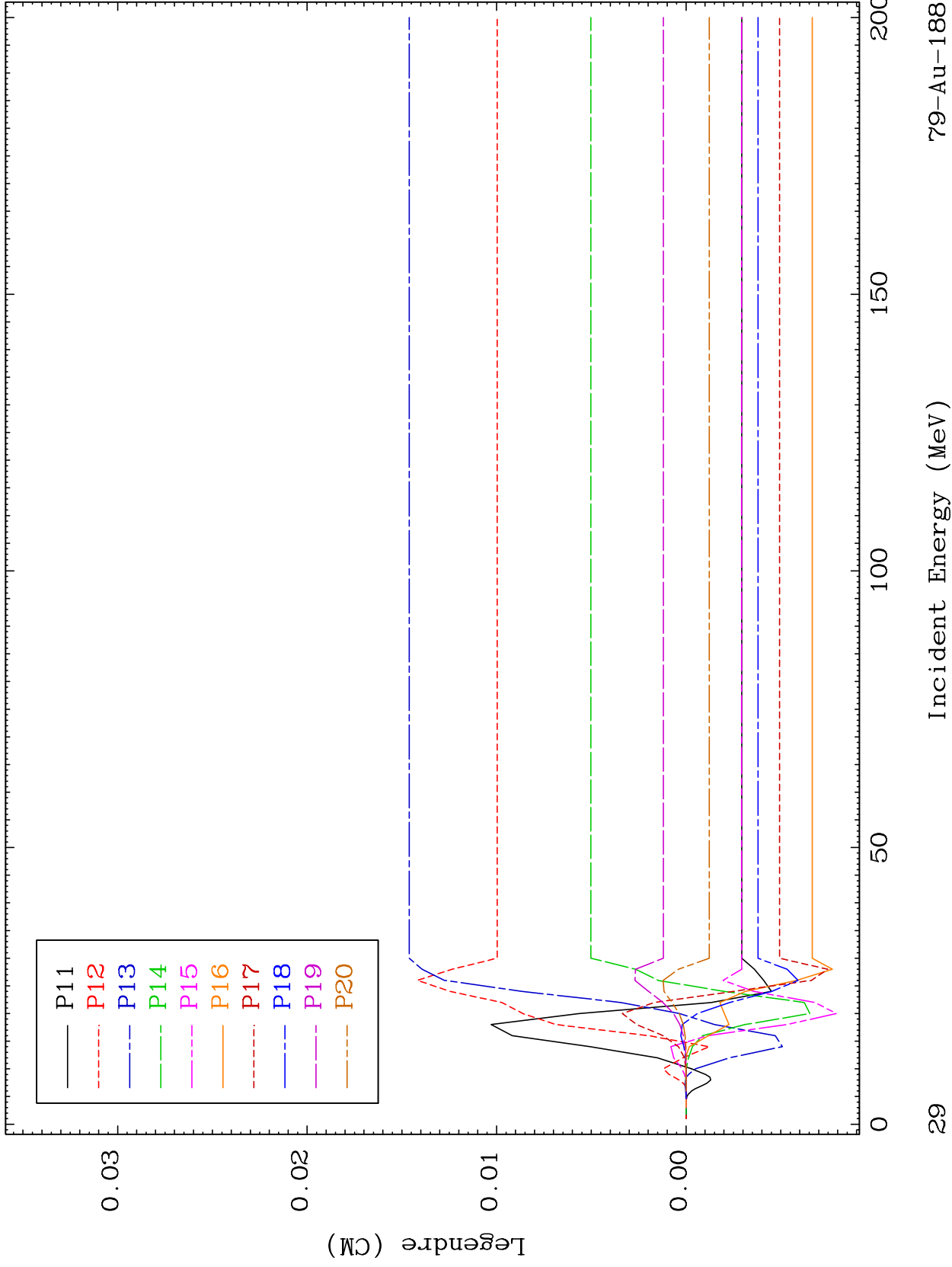




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166.1 keV (n,n') Level  
Legendre Coefficients

79-Au-188



29

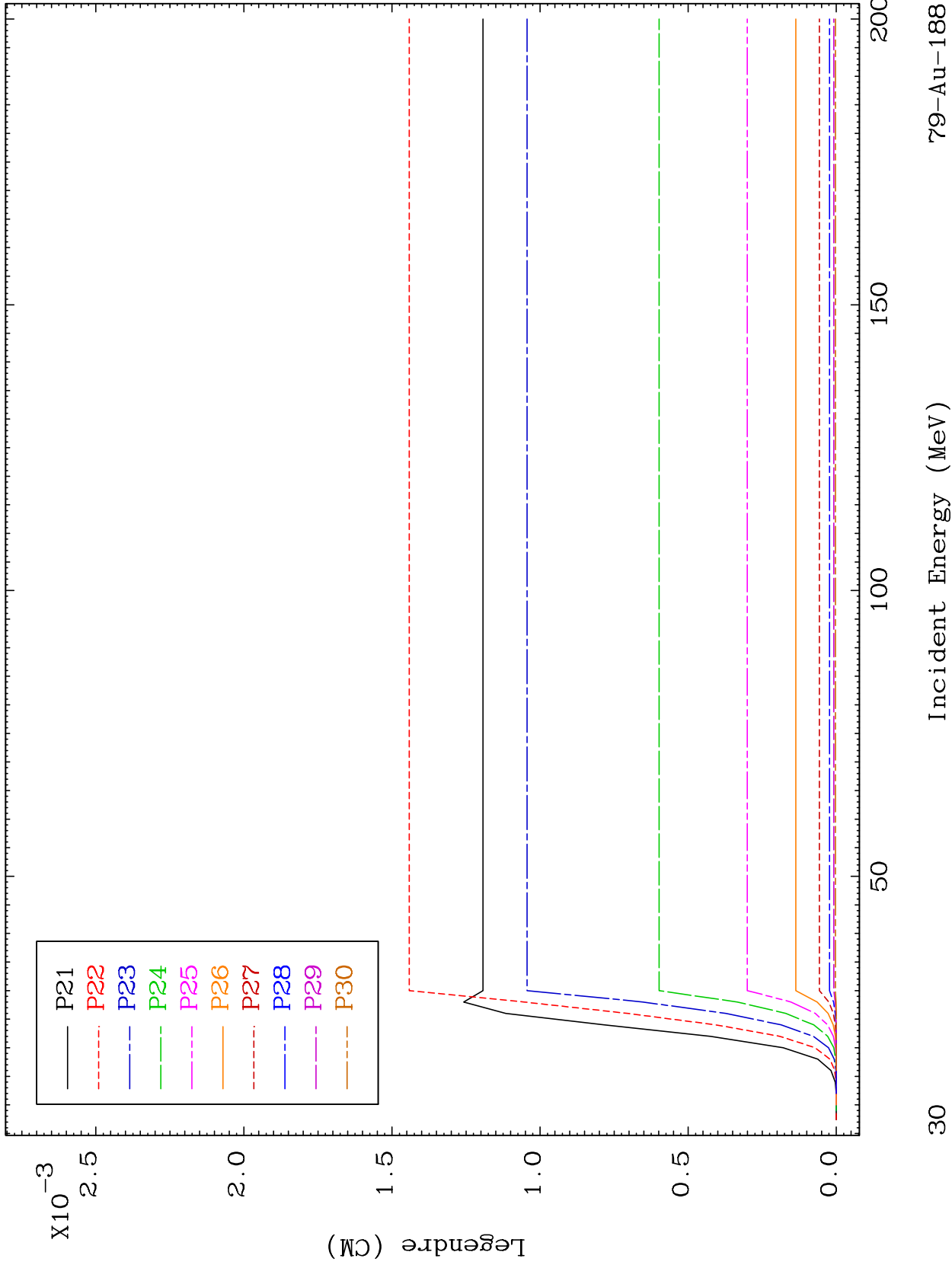
Incident Energy (MeV)

79-Au-188

MAT 7898

166.1 keV (n,n') Level  
Legendre Coefficients

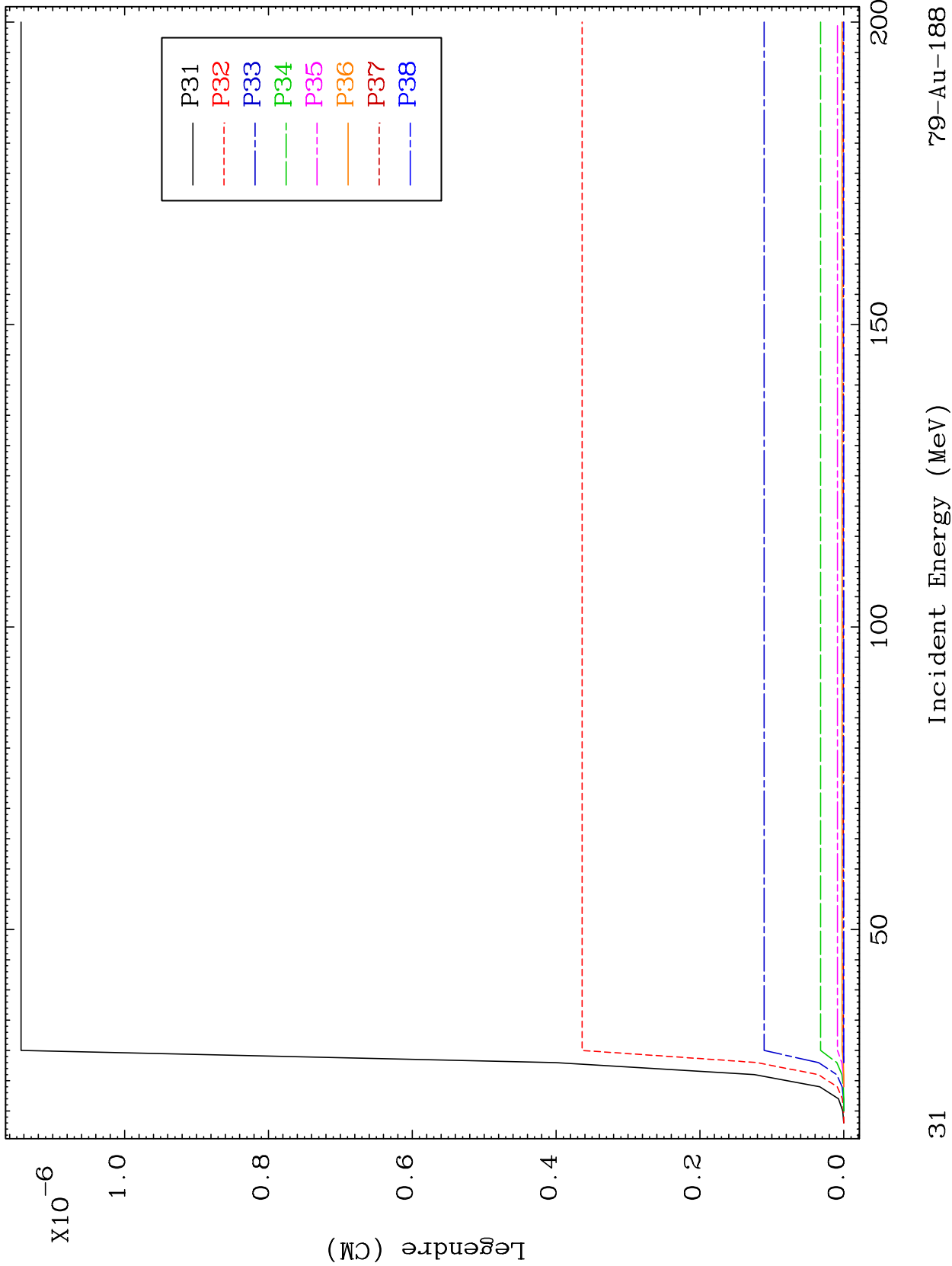
79-Au-188



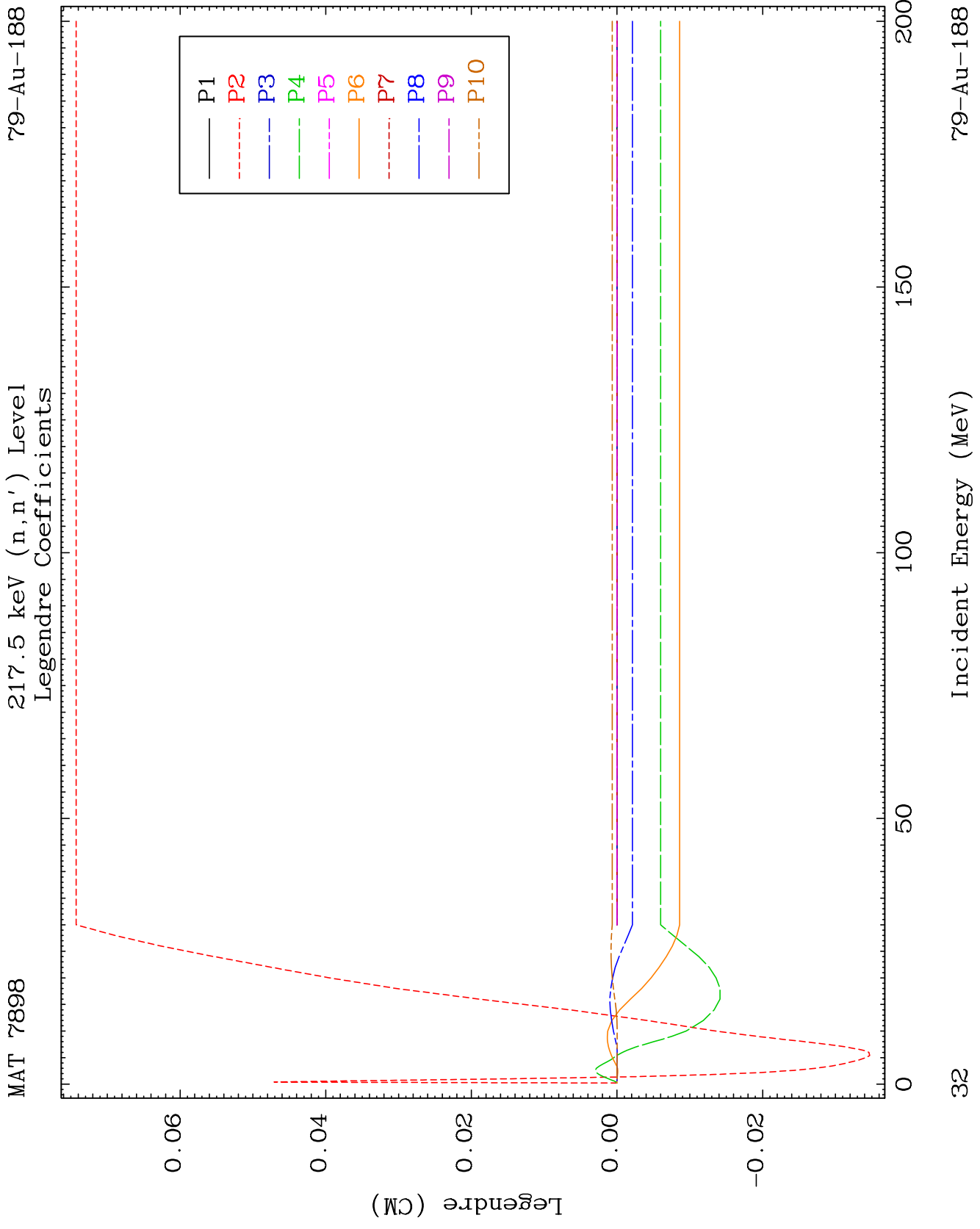
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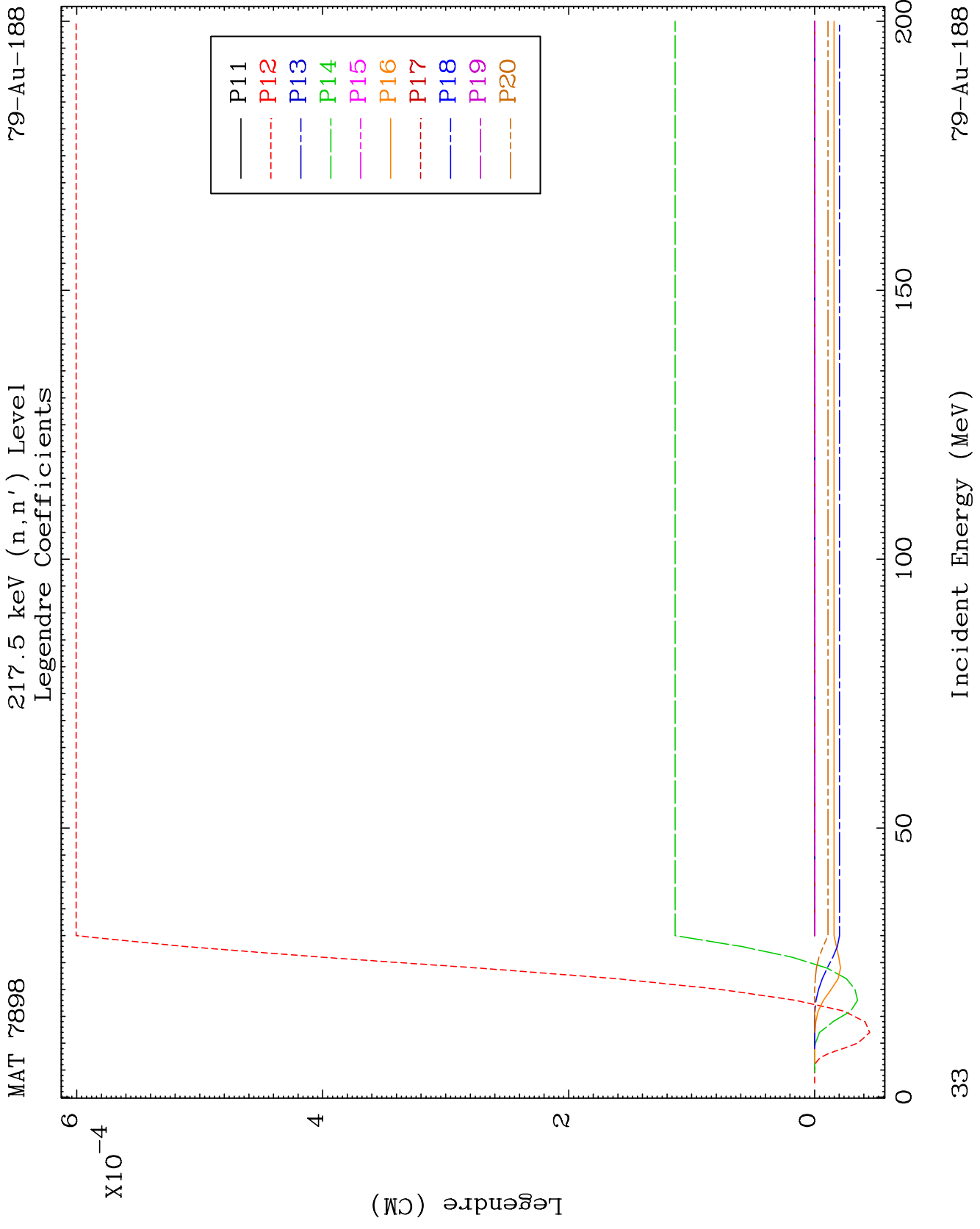
Incident Energy (MeV)

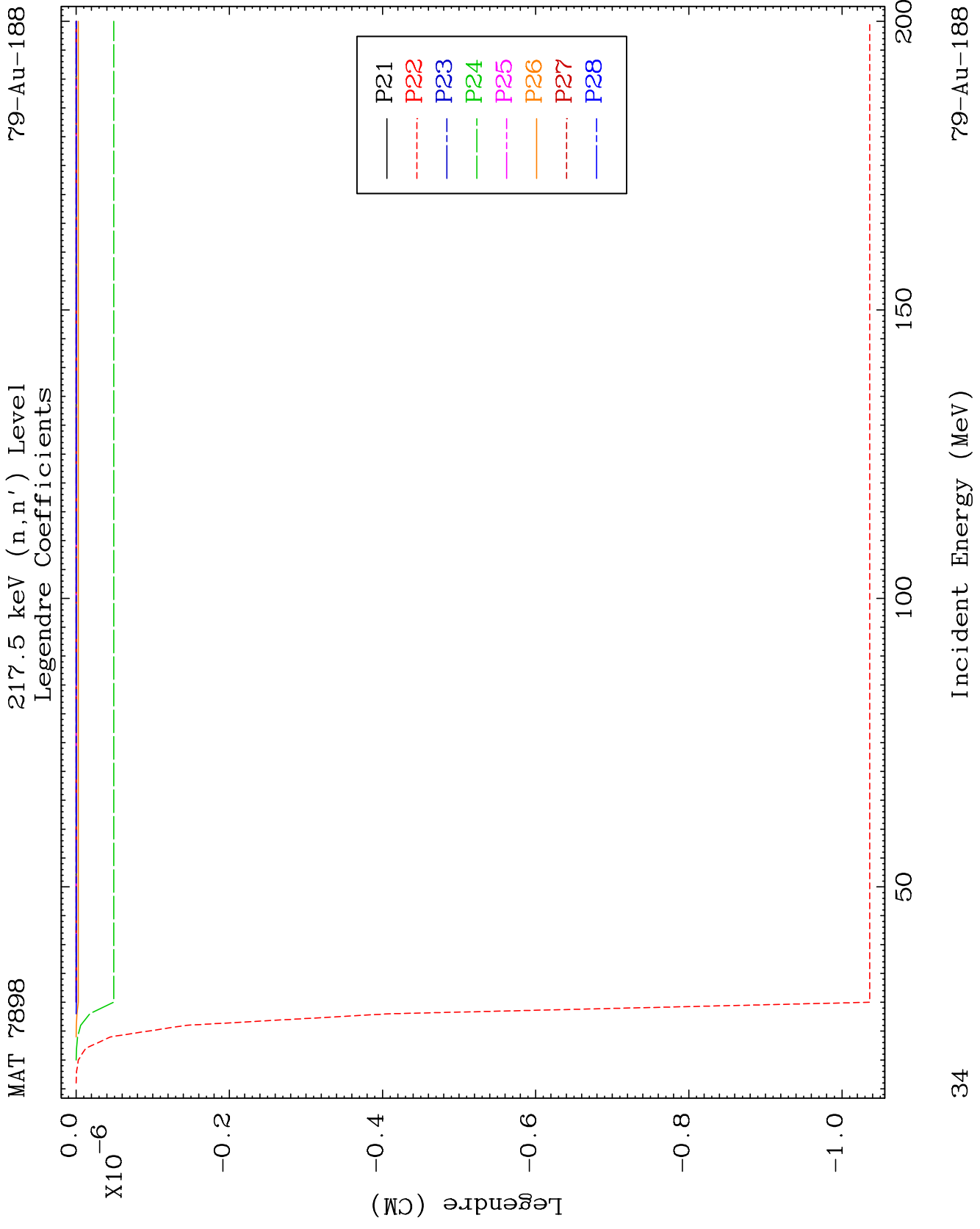
79-Au-188







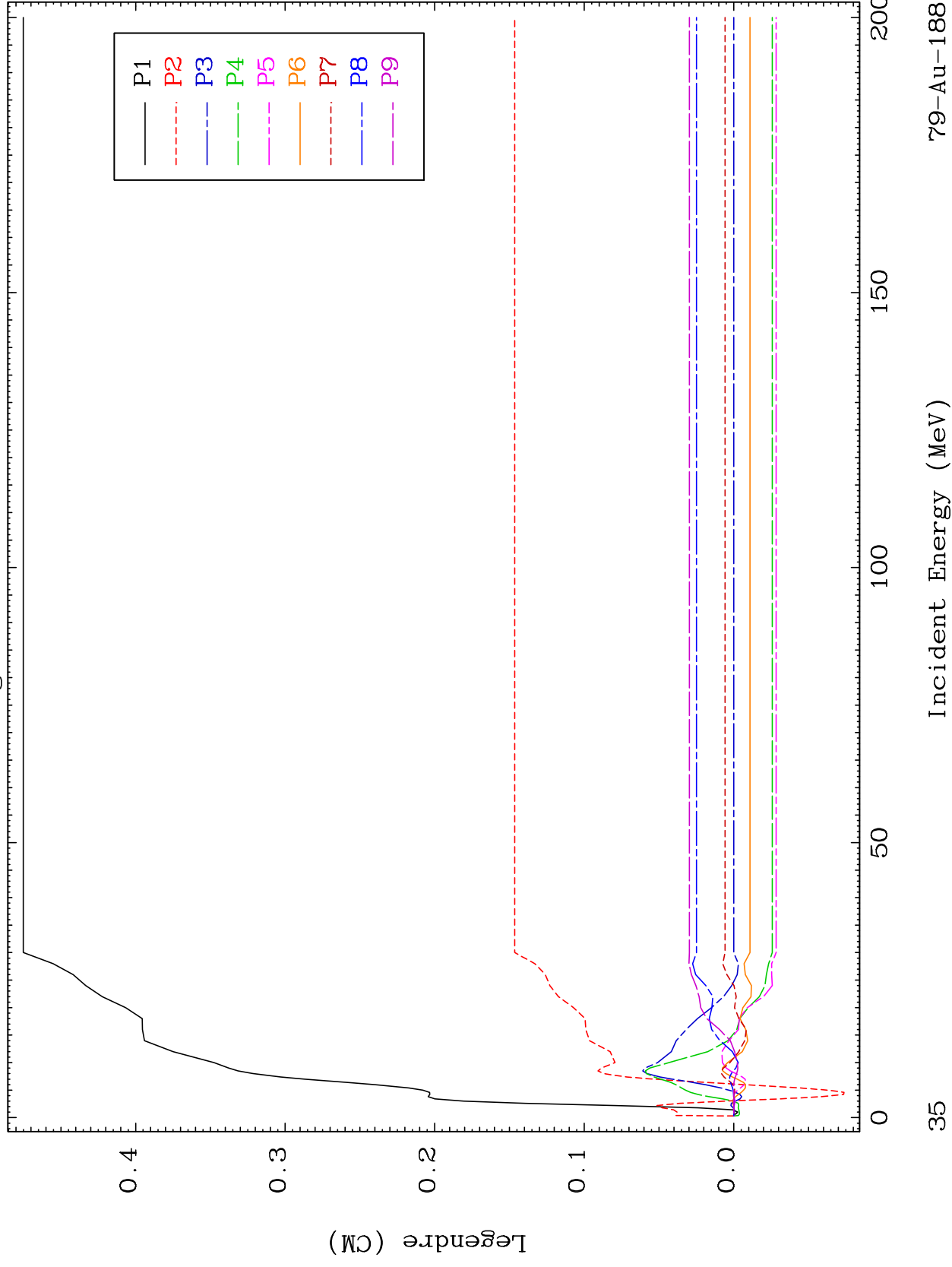




MAT 7898

297.1 keV (n,n') Level  
Legendre Coefficients

79-Au-188



79-Au-188

Incident Energy (MeV)

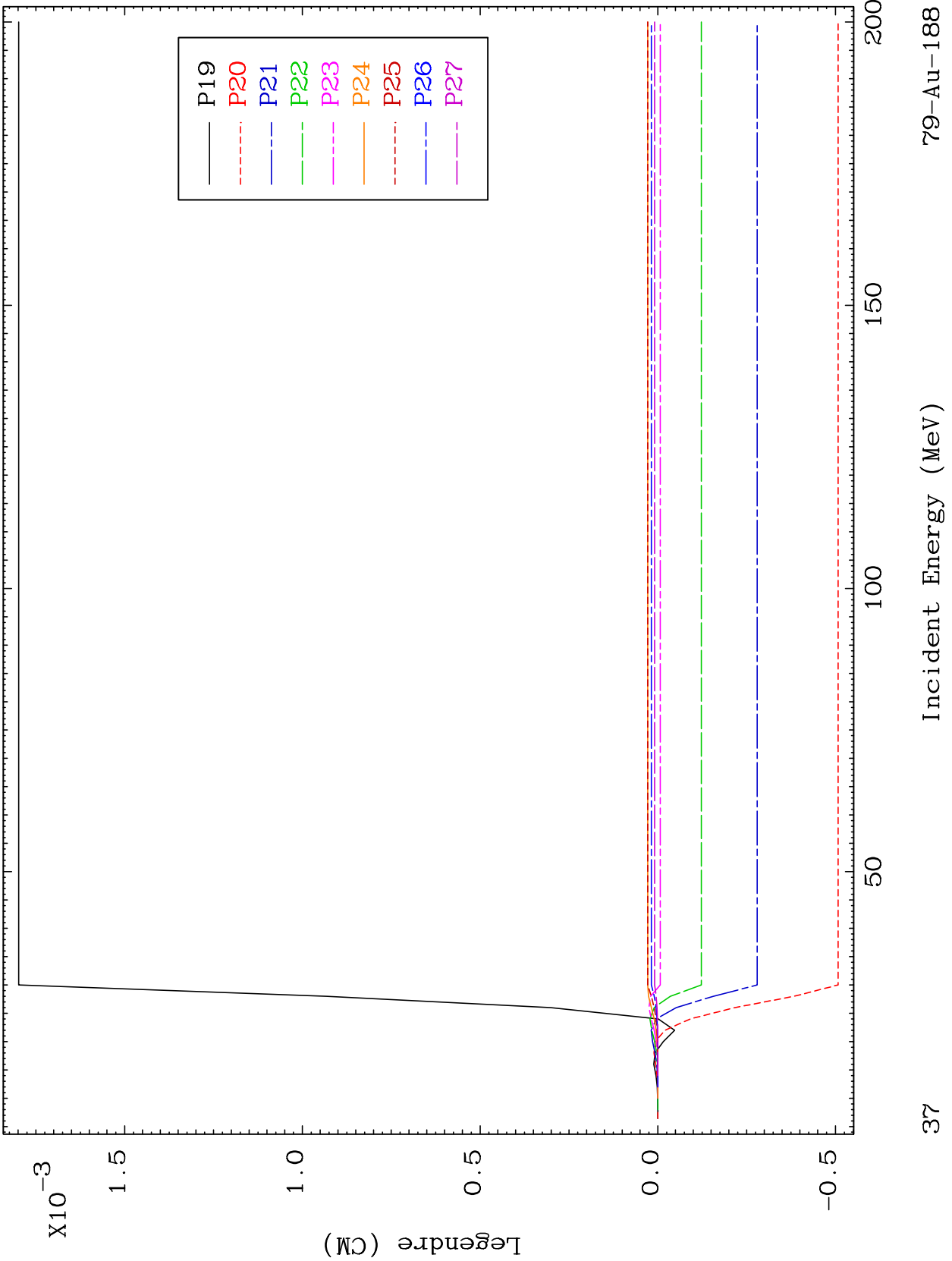
35



MAT 7898

297.1 keV (n,n') Level  
Legendre Coefficients

79-Au-188



37

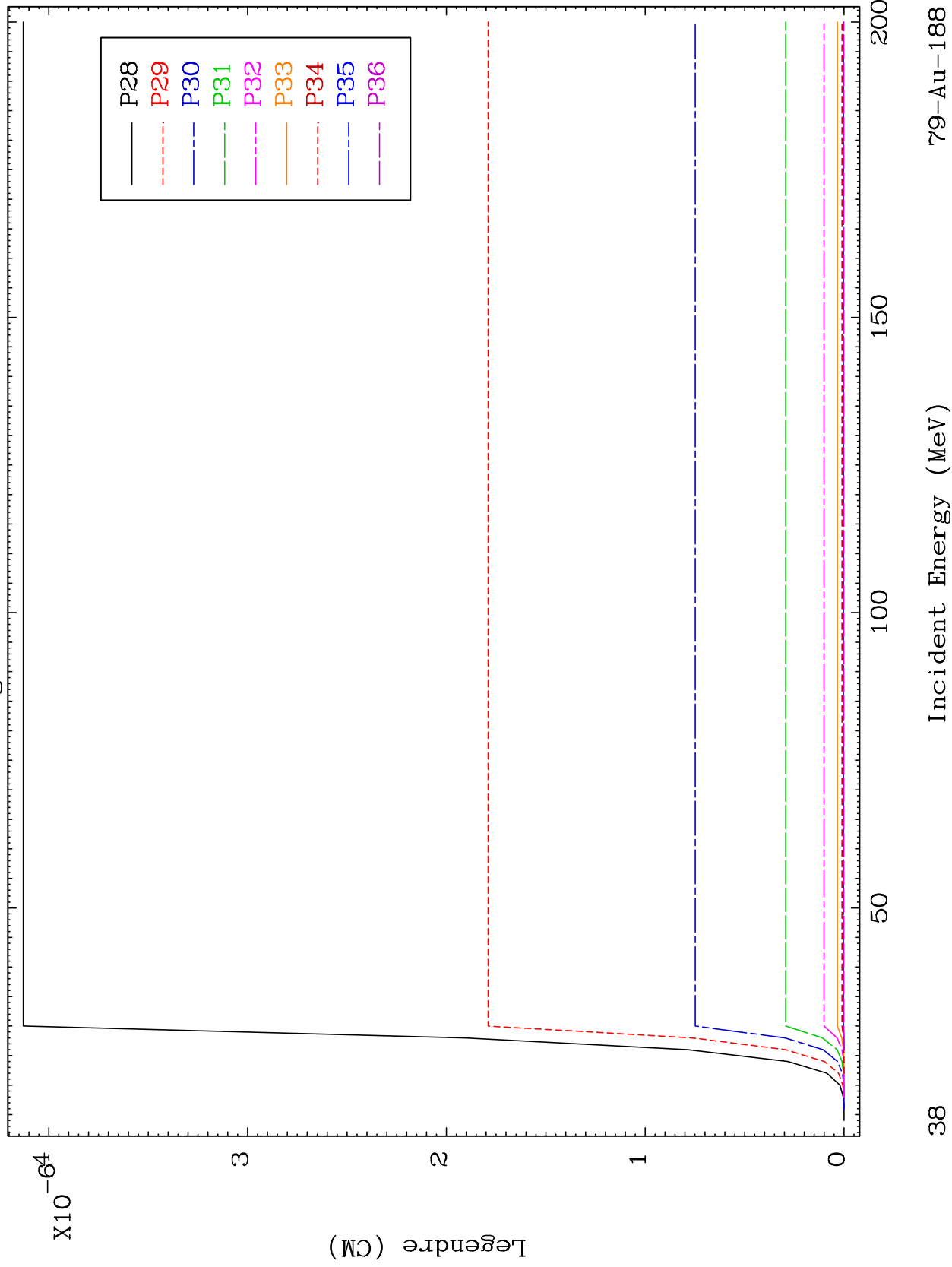
Incident Energy (MeV)

79-Au-188

MAT 7898

297.1 keV (n,n') Level  
Legendre Coefficients

79-Au-188



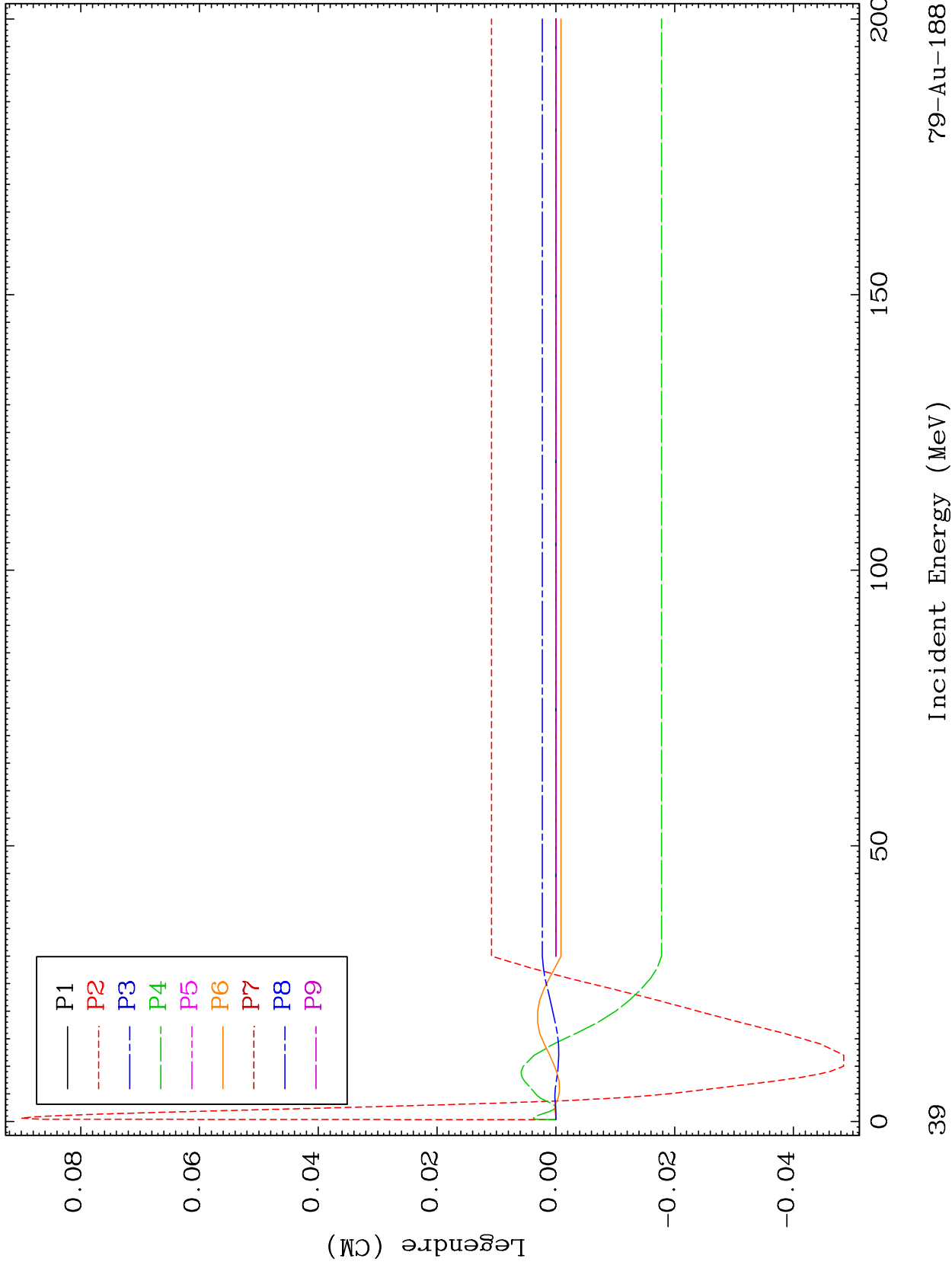
38

79-Au-188

MAT 7898

304.9 keV (n,n') Level  
Legendre Coefficients

79-Au-188



39

Incident Energy (MeV)

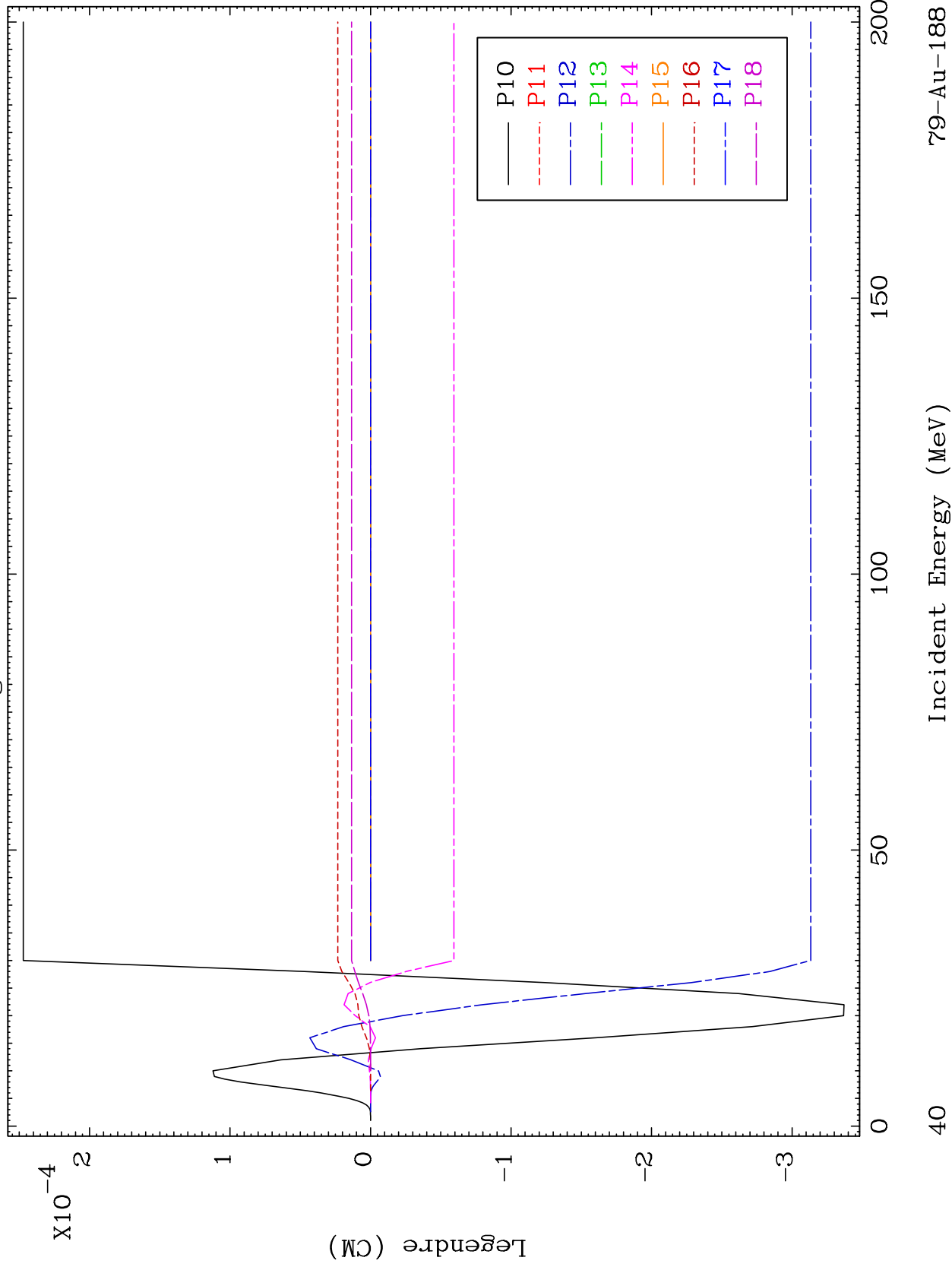
79-Au-188



MAT 7898

304.9 keV (n, n') Level  
Legendre Coefficients

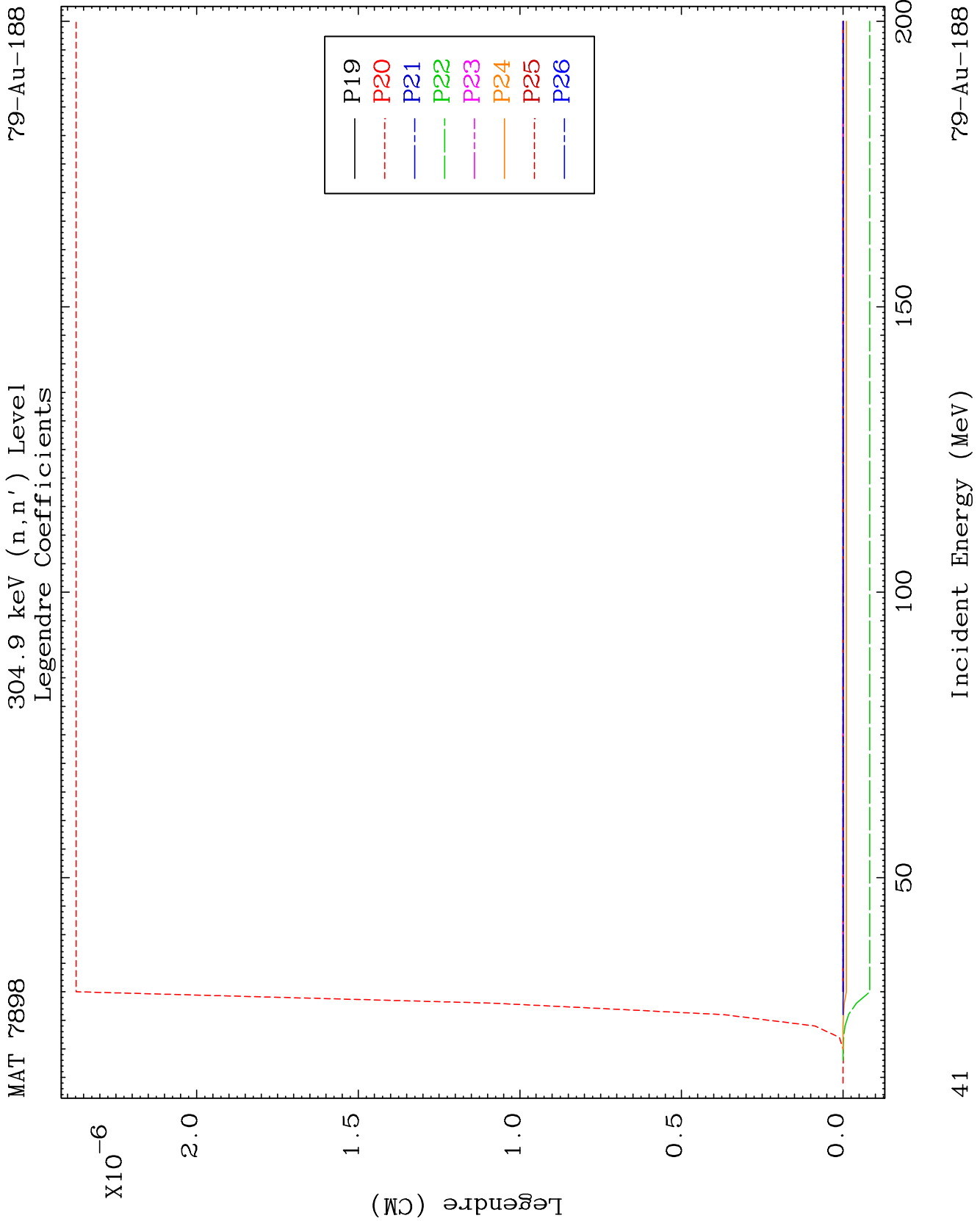
79-Au-188

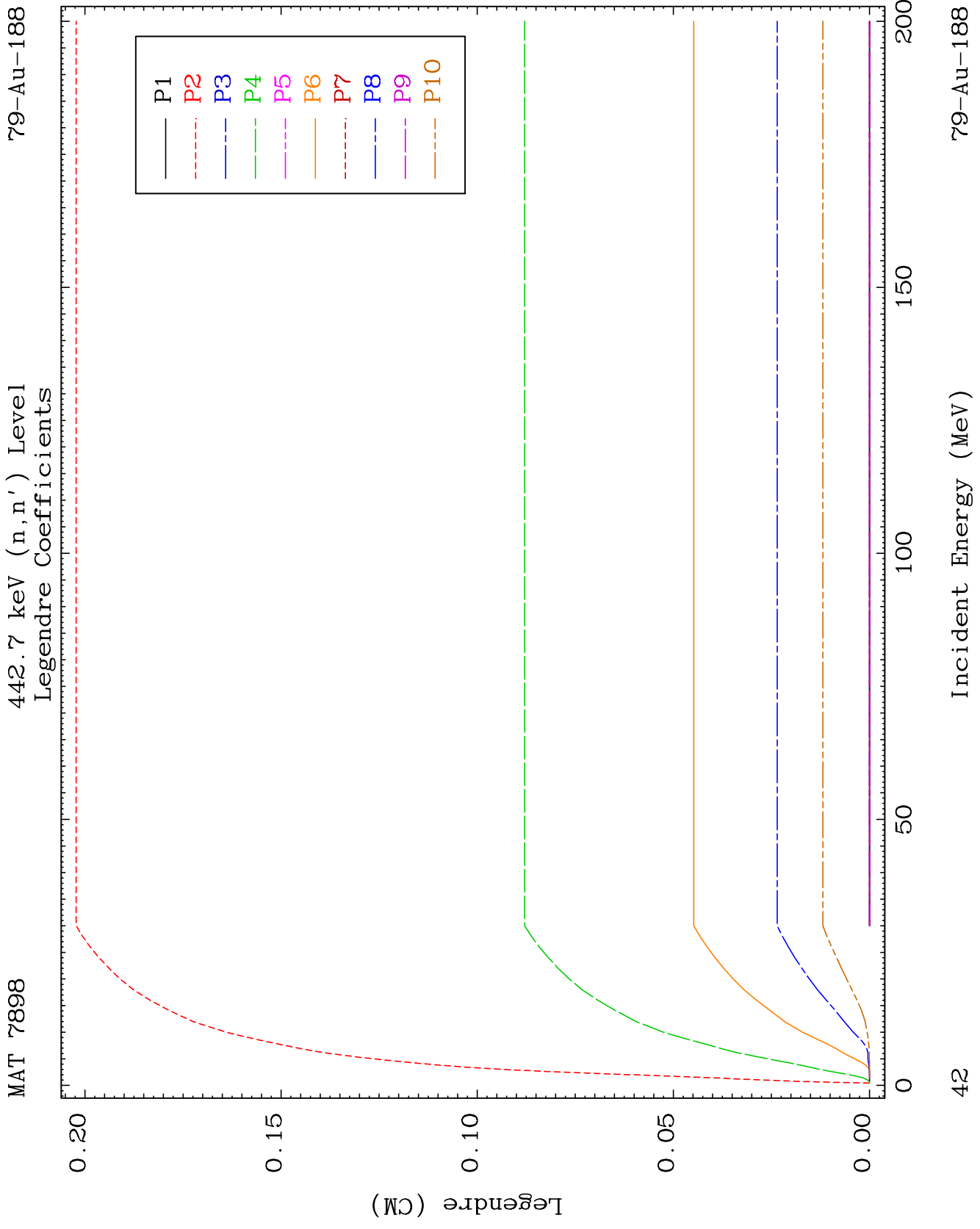


79-Au-188

Incident Energy (MeV)

40

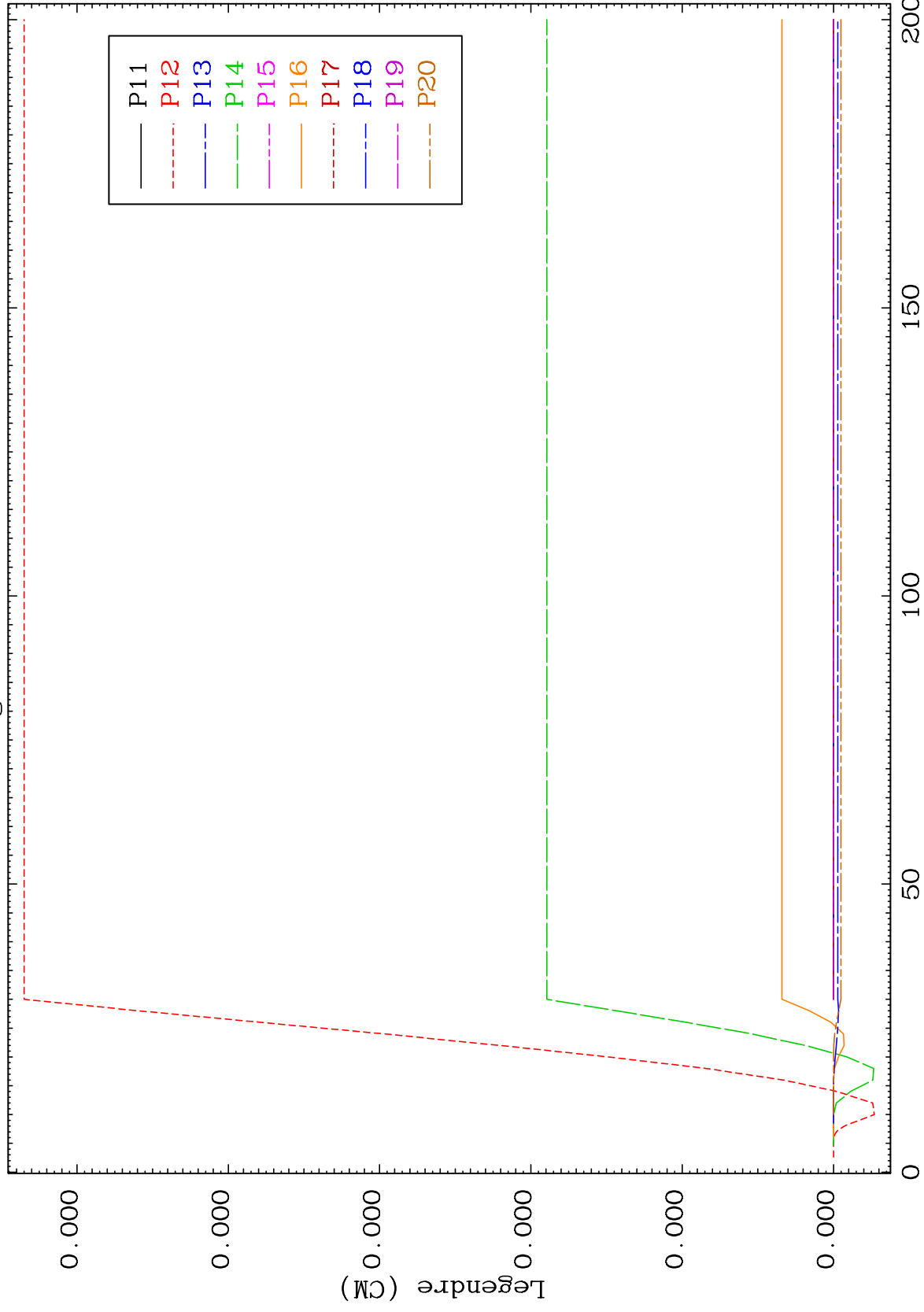




MAT 7898

442.7 keV (n,n') Level  
Legendre Coefficients

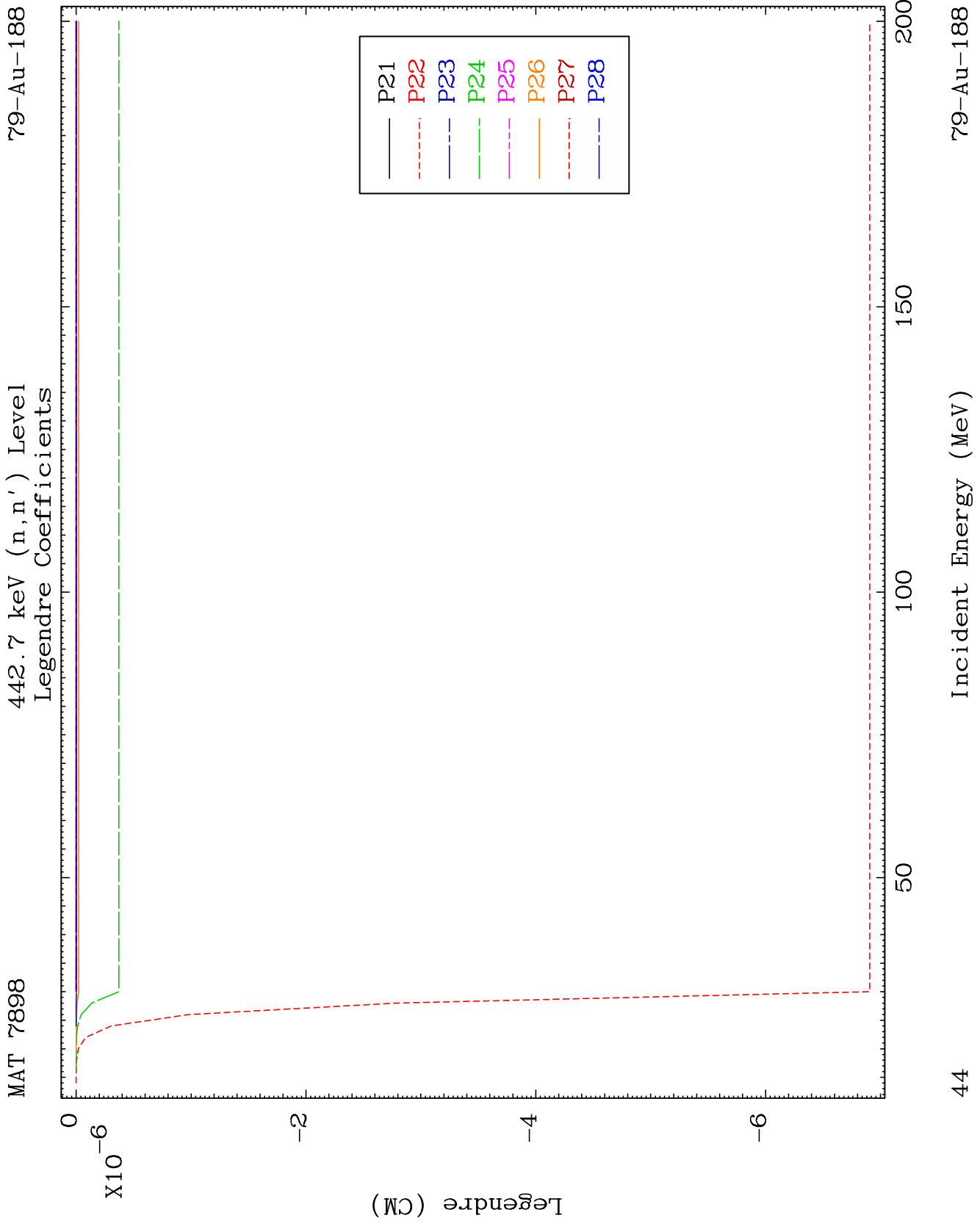
79-Au-188

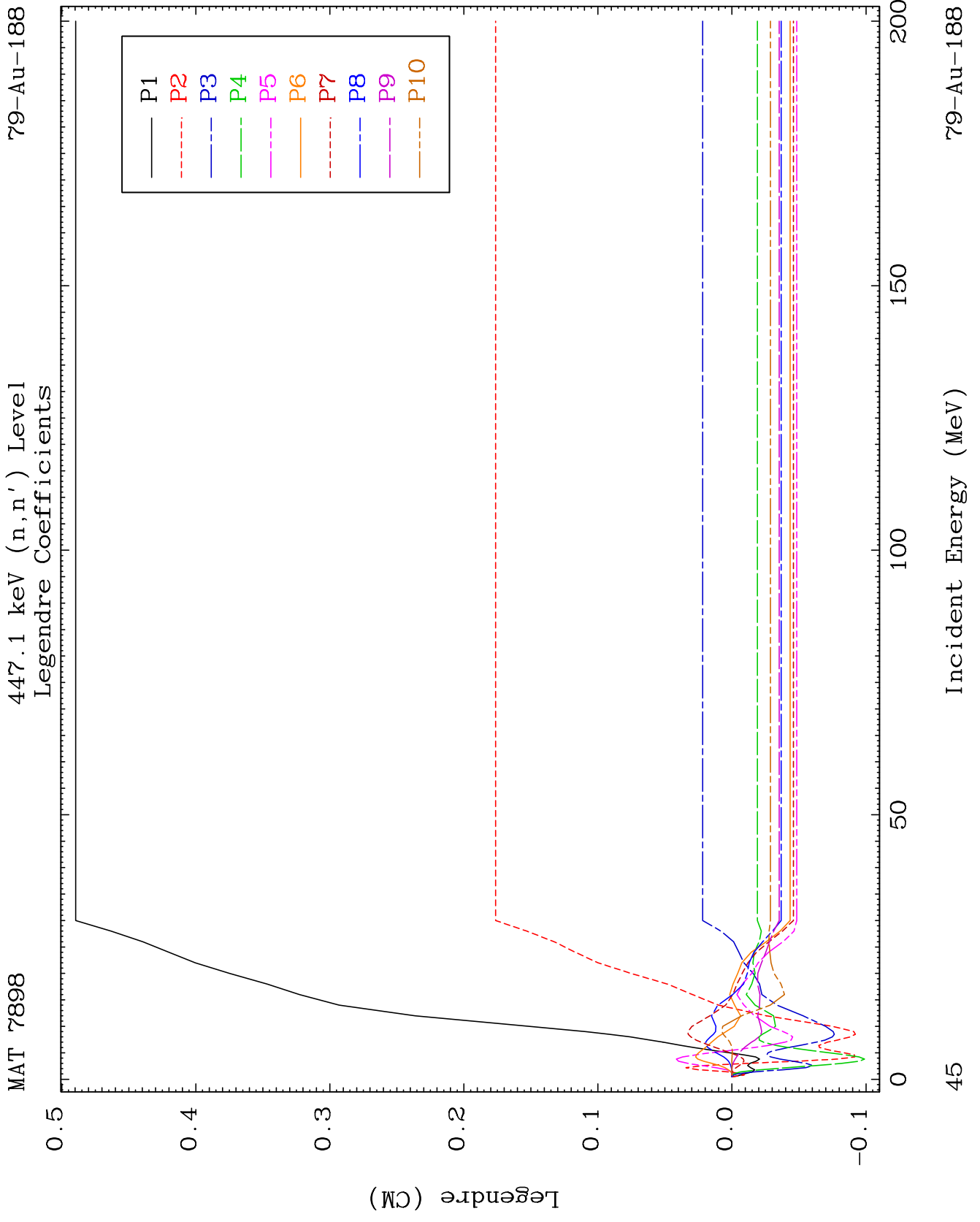


43

Incident Energy (MeV)

79-Au-188

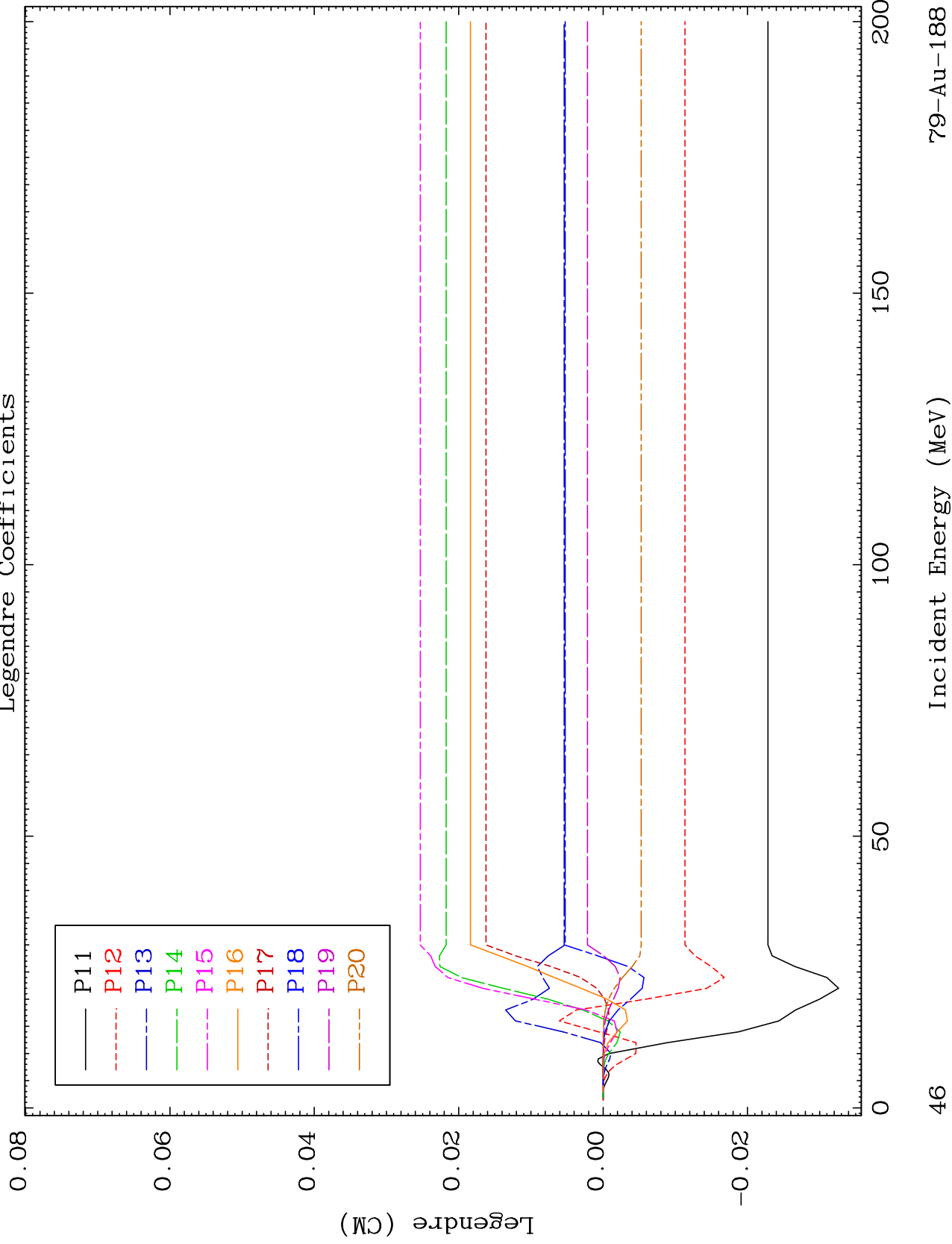




MAT 7898

447.1 keV (n,n') Level  
Legendre Coefficients

79-Au-188



46

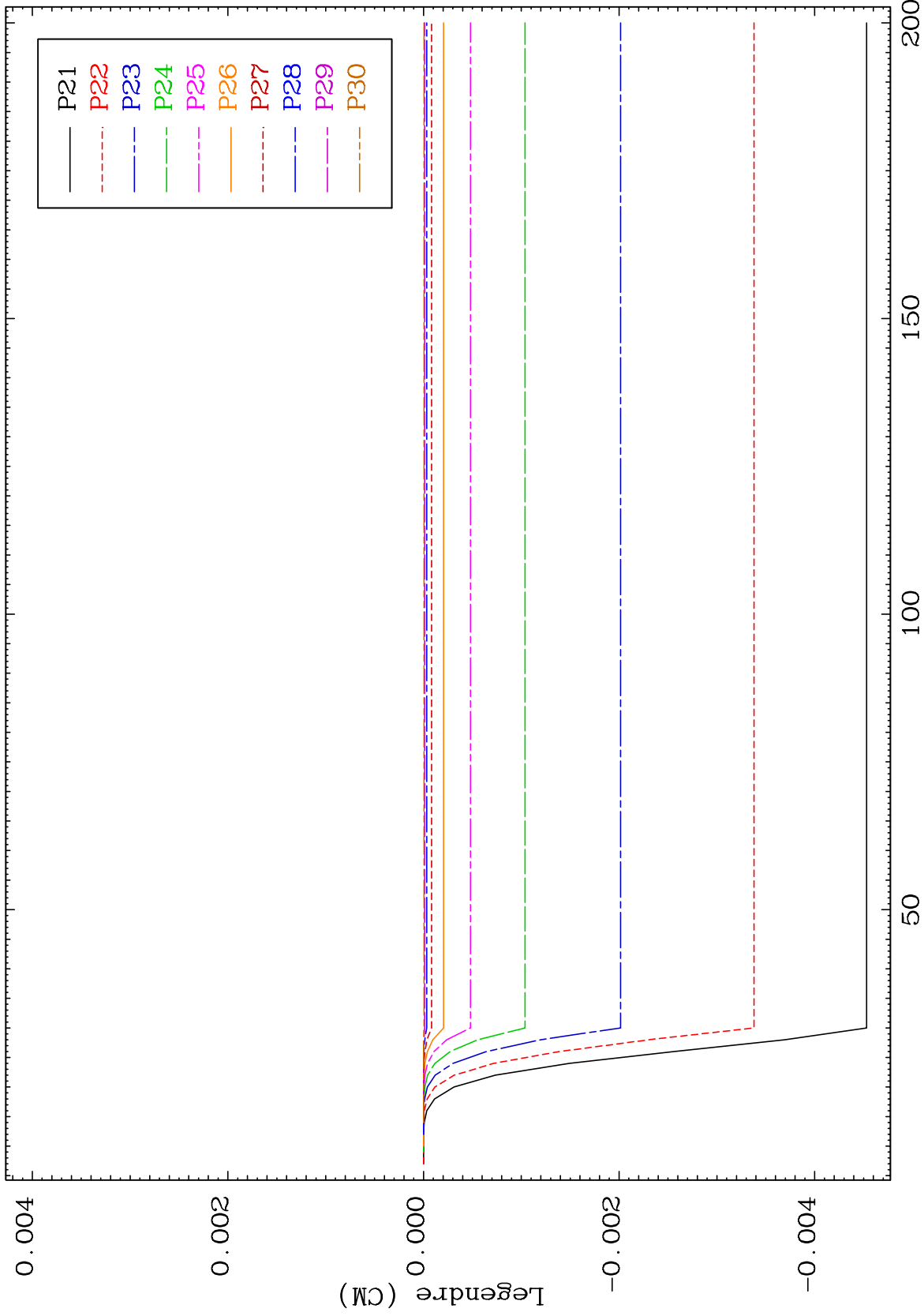
Incident Energy (MeV)

79-Au-188

MAT 7898

447.1 keV (n,n') Level  
Legendre Coefficients

79-Au-188

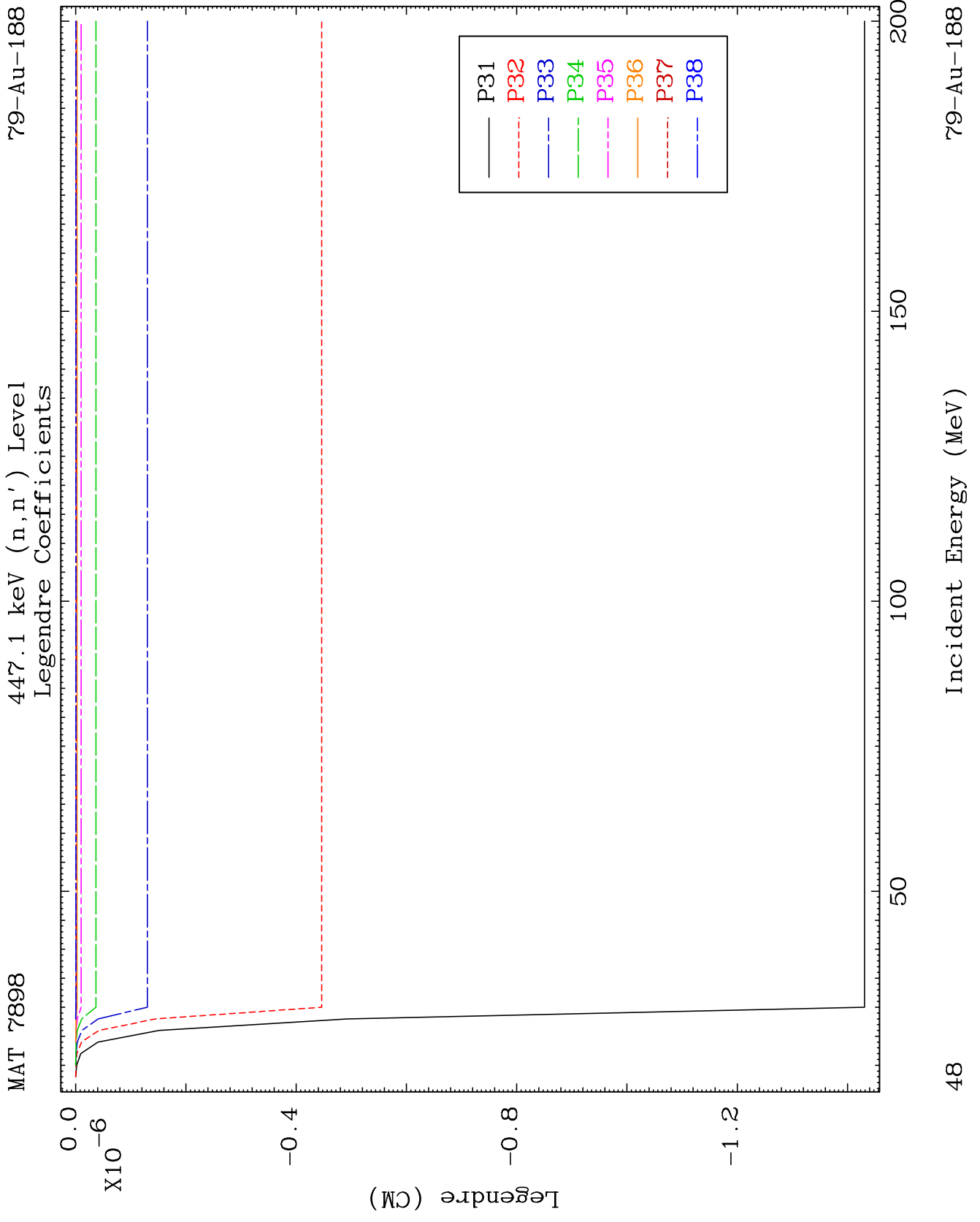


47

Incident Energy (MeV)

79-Au-188

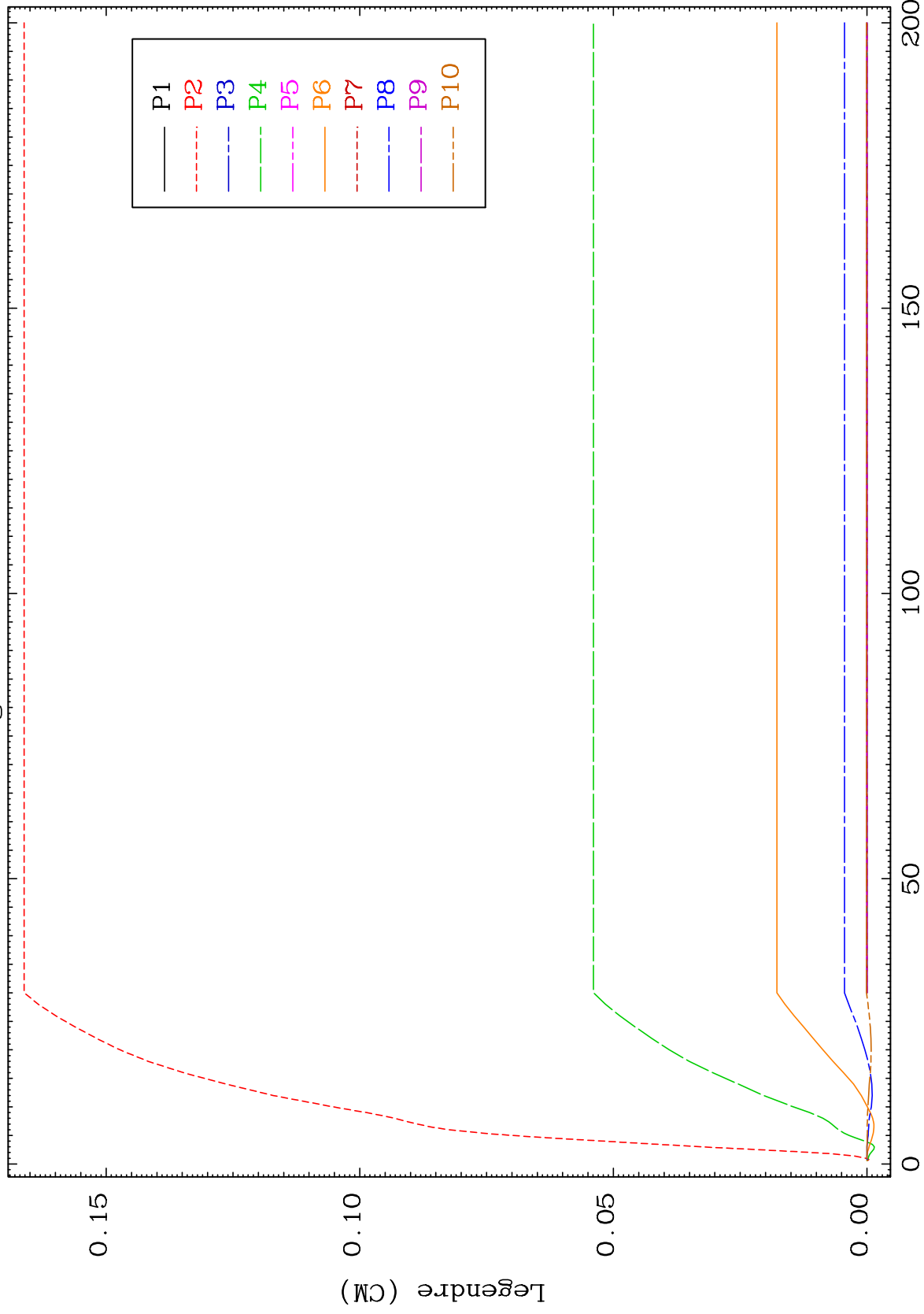




MAT 7898

566.6 keV (n,n') Level  
Legendre Coefficients

79-Au-188



49

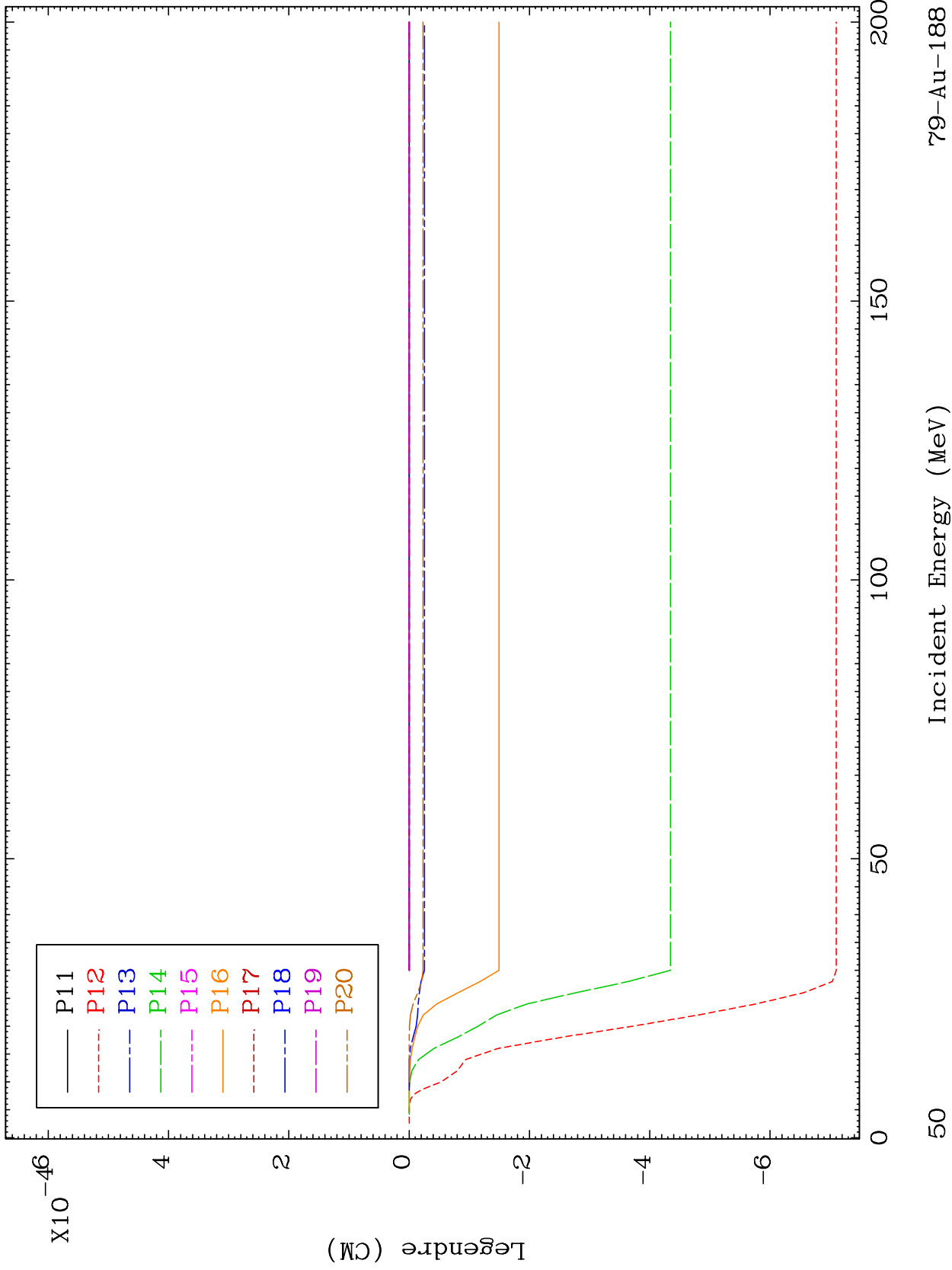
Incident Energy (MeV)

79-Au-188

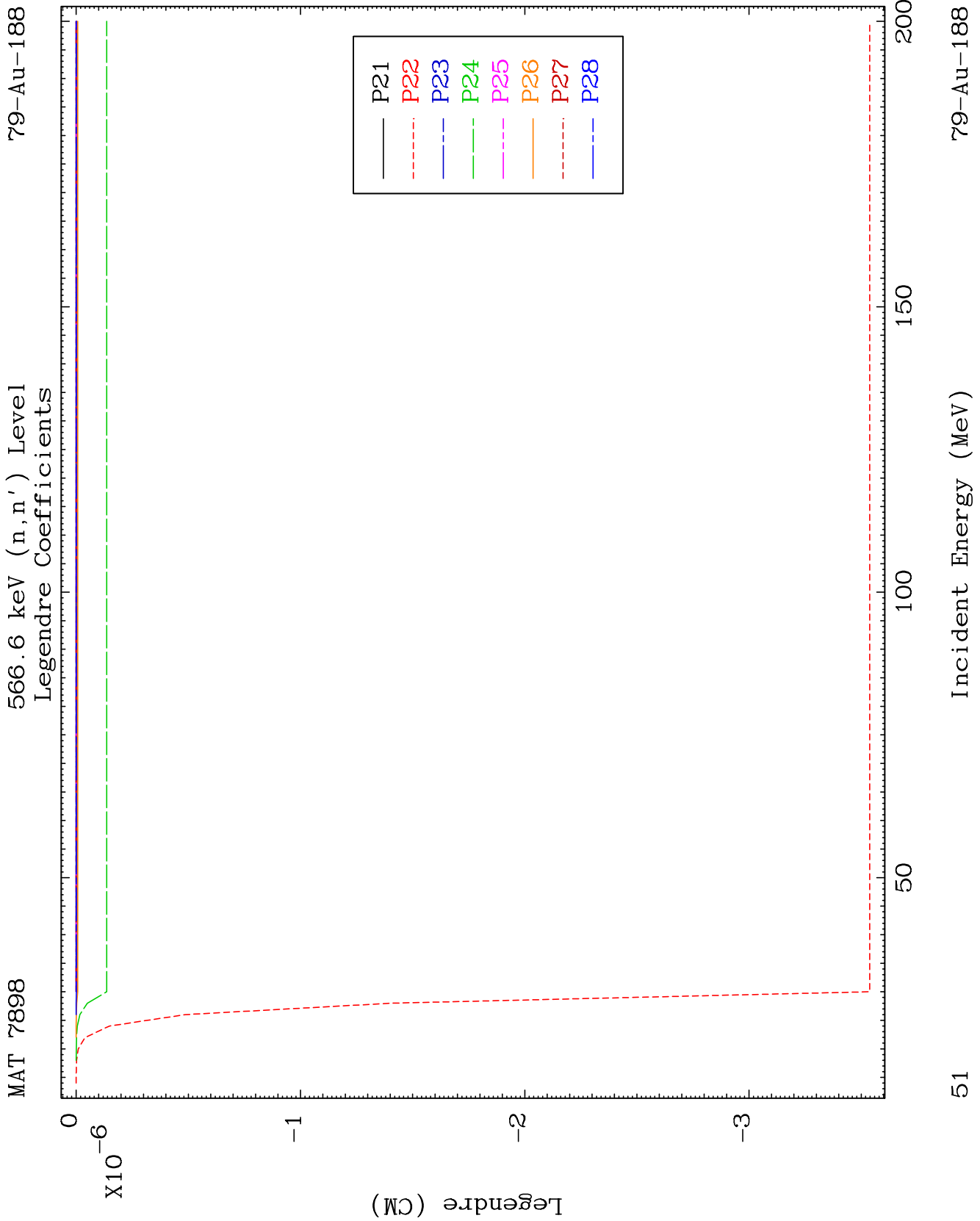
MAT 7898

566.6 keV (n,n') Level  
Legendre Coefficients

79-Au-188



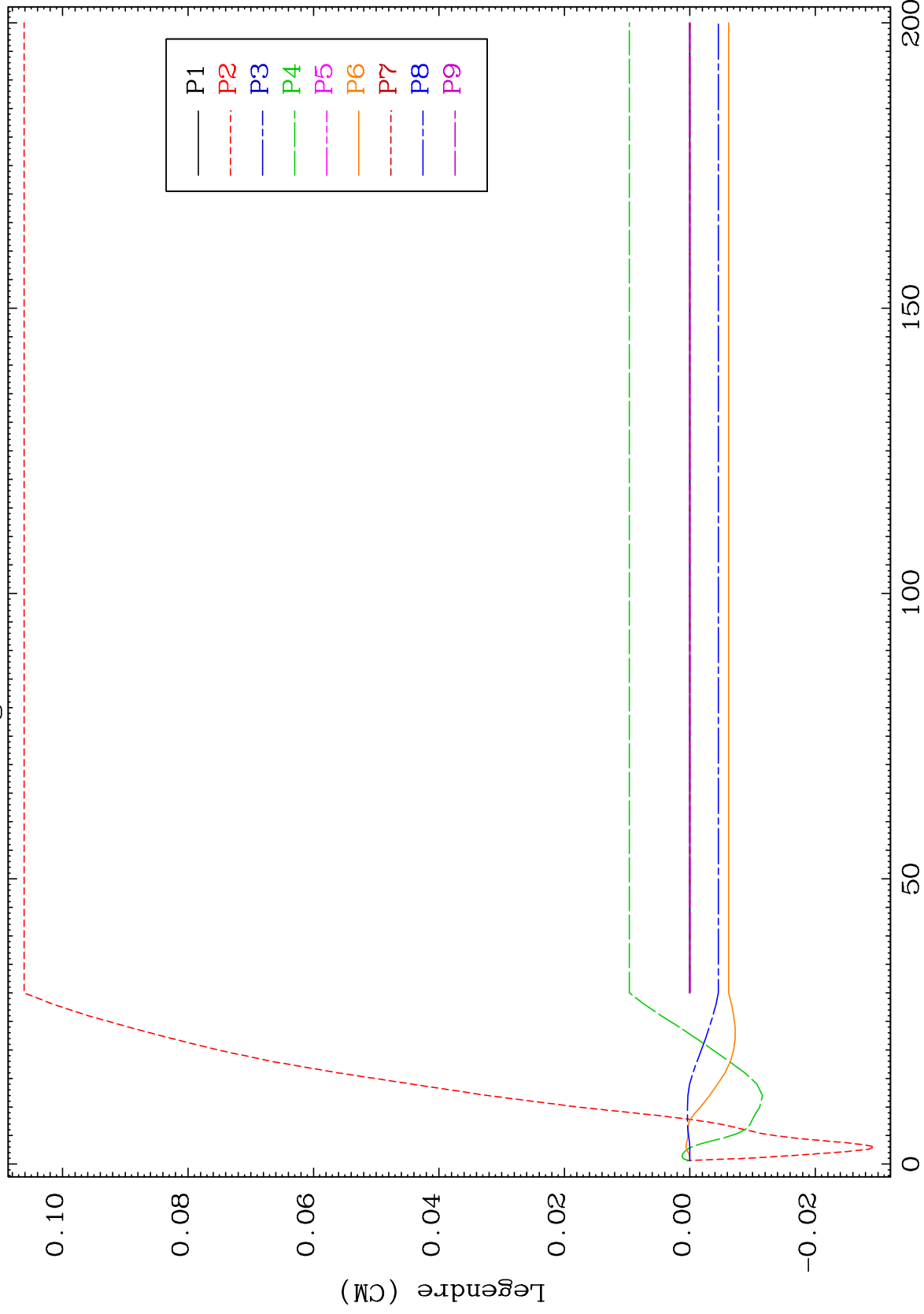
79-Au-188



MAT 7898

586.6 keV (n,n') Level  
Legendre Coefficients

79-Au-188



52

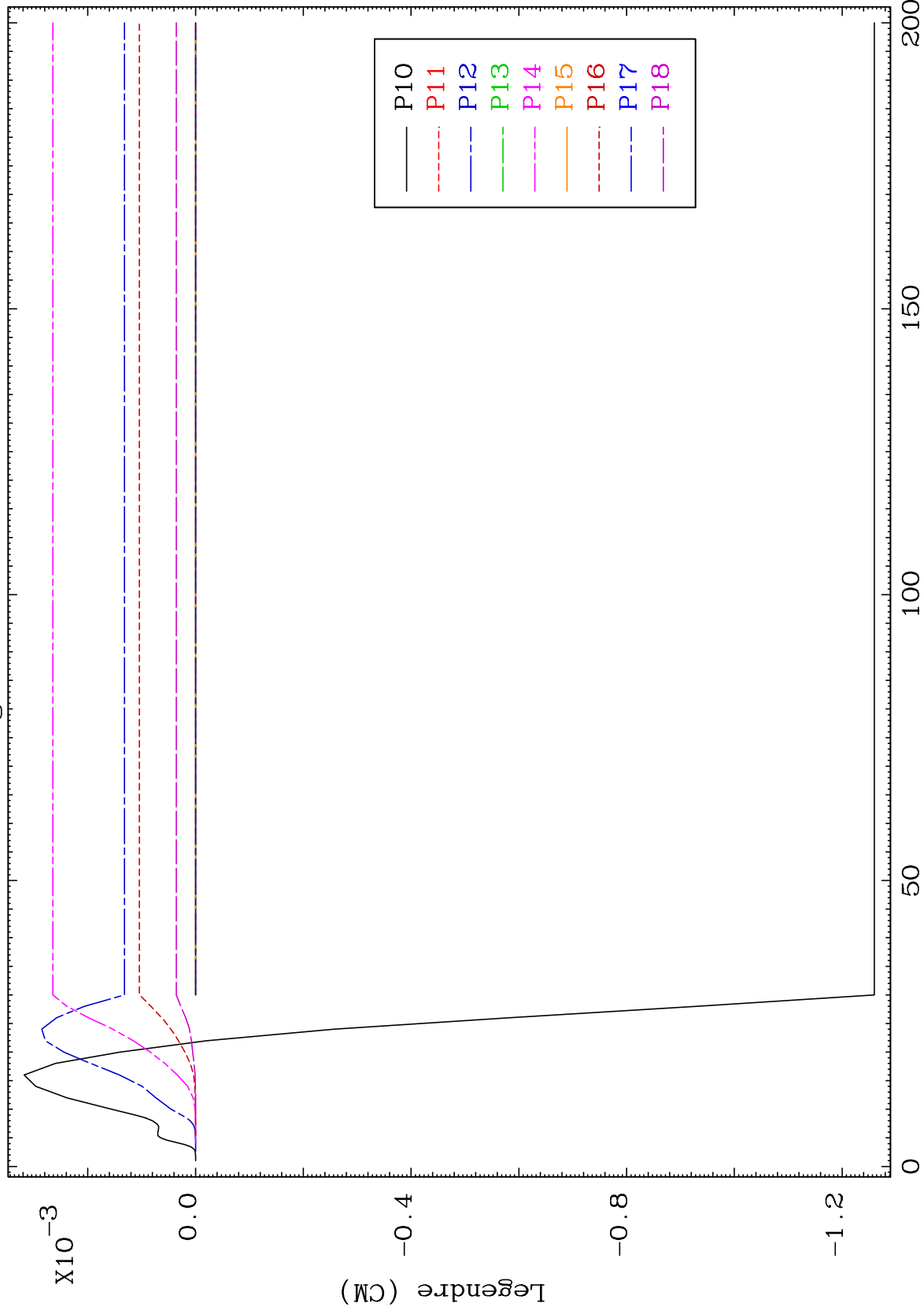
Incident Energy (MeV)

79-Au-188

MAT 7898

586.6 keV (n,n') Level  
Legendre Coefficients

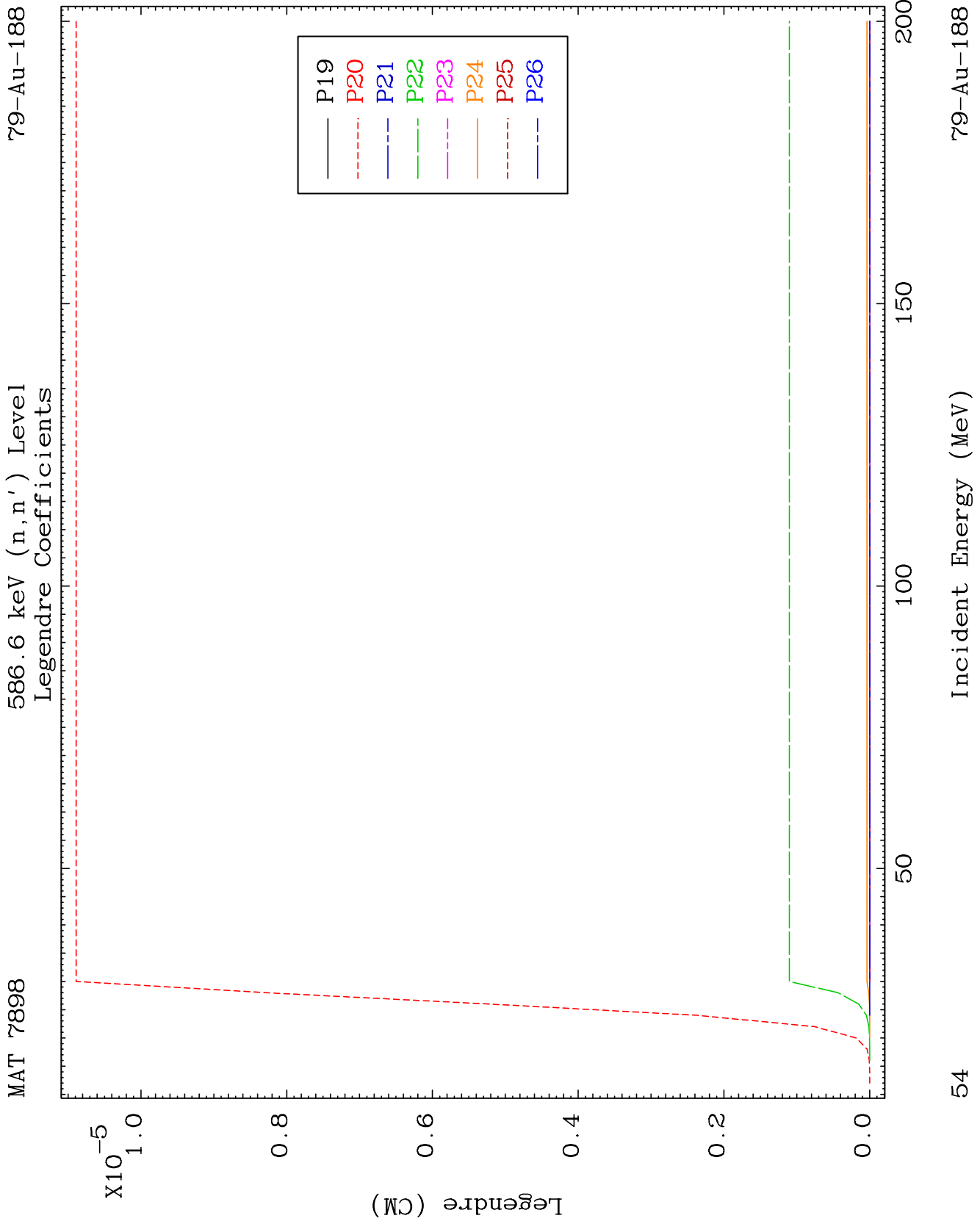
79-Au-188



53

Incident Energy (MeV)

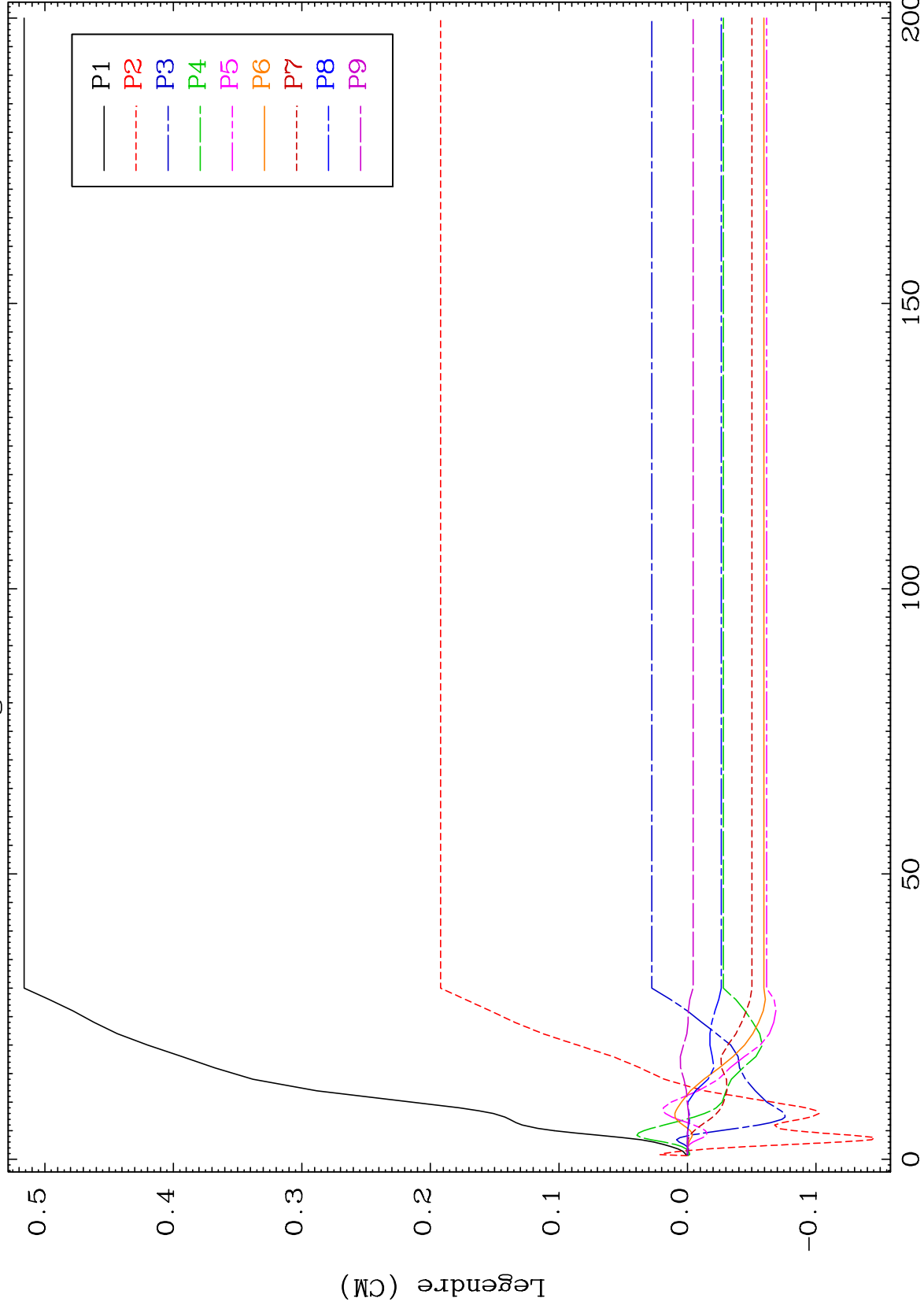
79-Au-188



MAT 7898

606.0 keV (n,n') Level  
Legendre Coefficients

79-Au-188



55

Incident Energy (MeV)

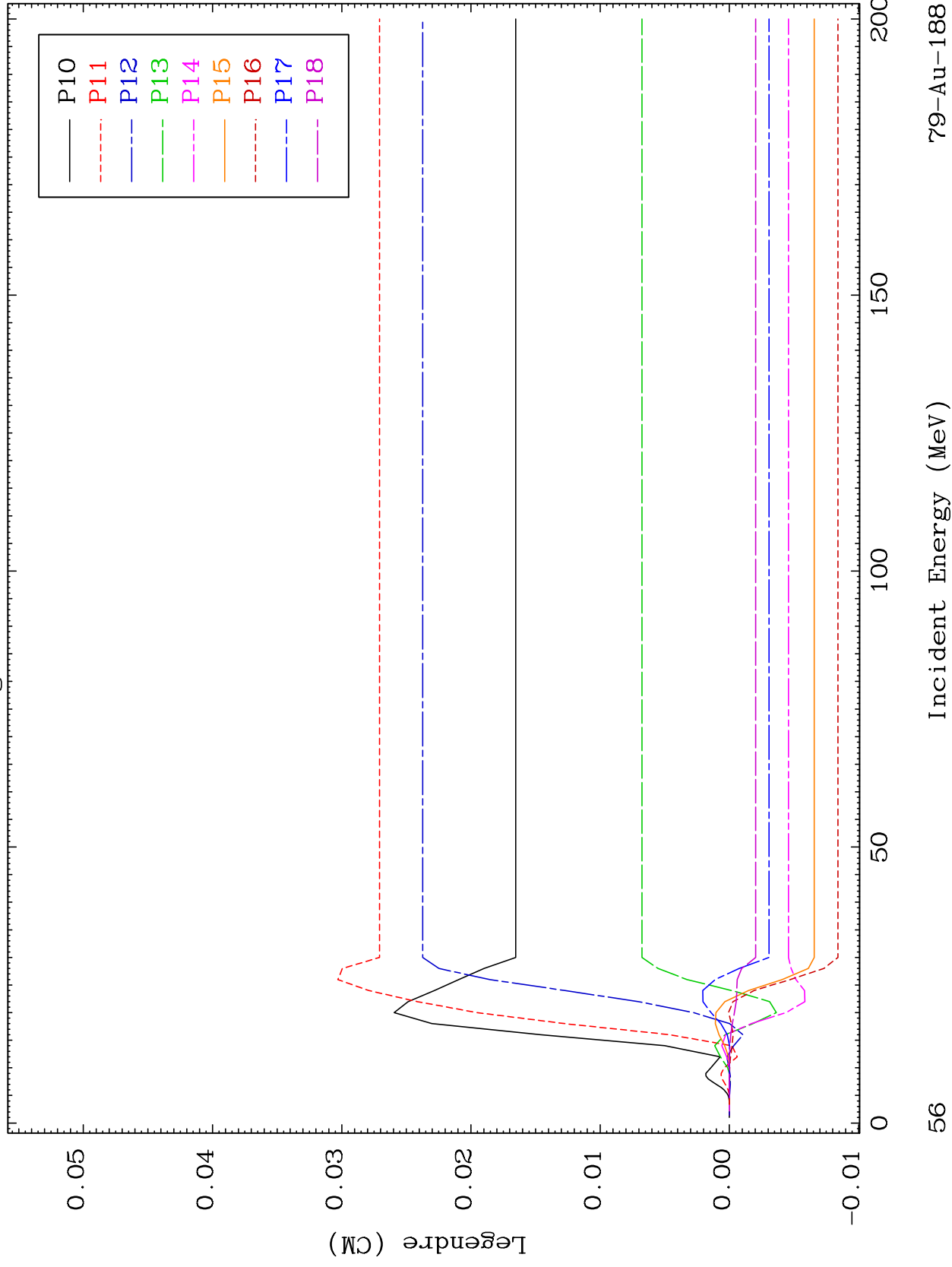
79-Au-188



MAT 7898

606.0 keV (n,n') Level  
Legendre Coefficients

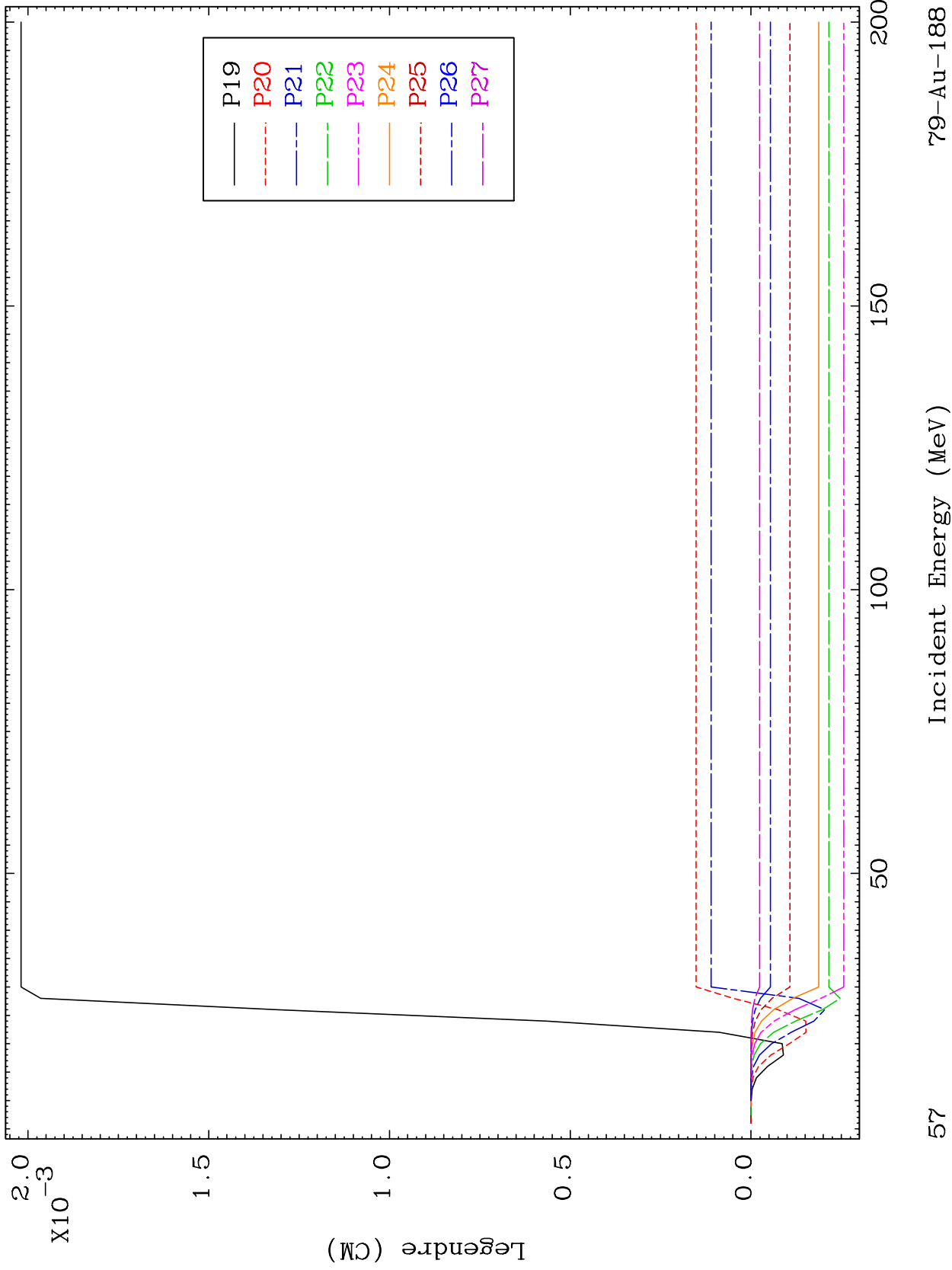
79-Au-188

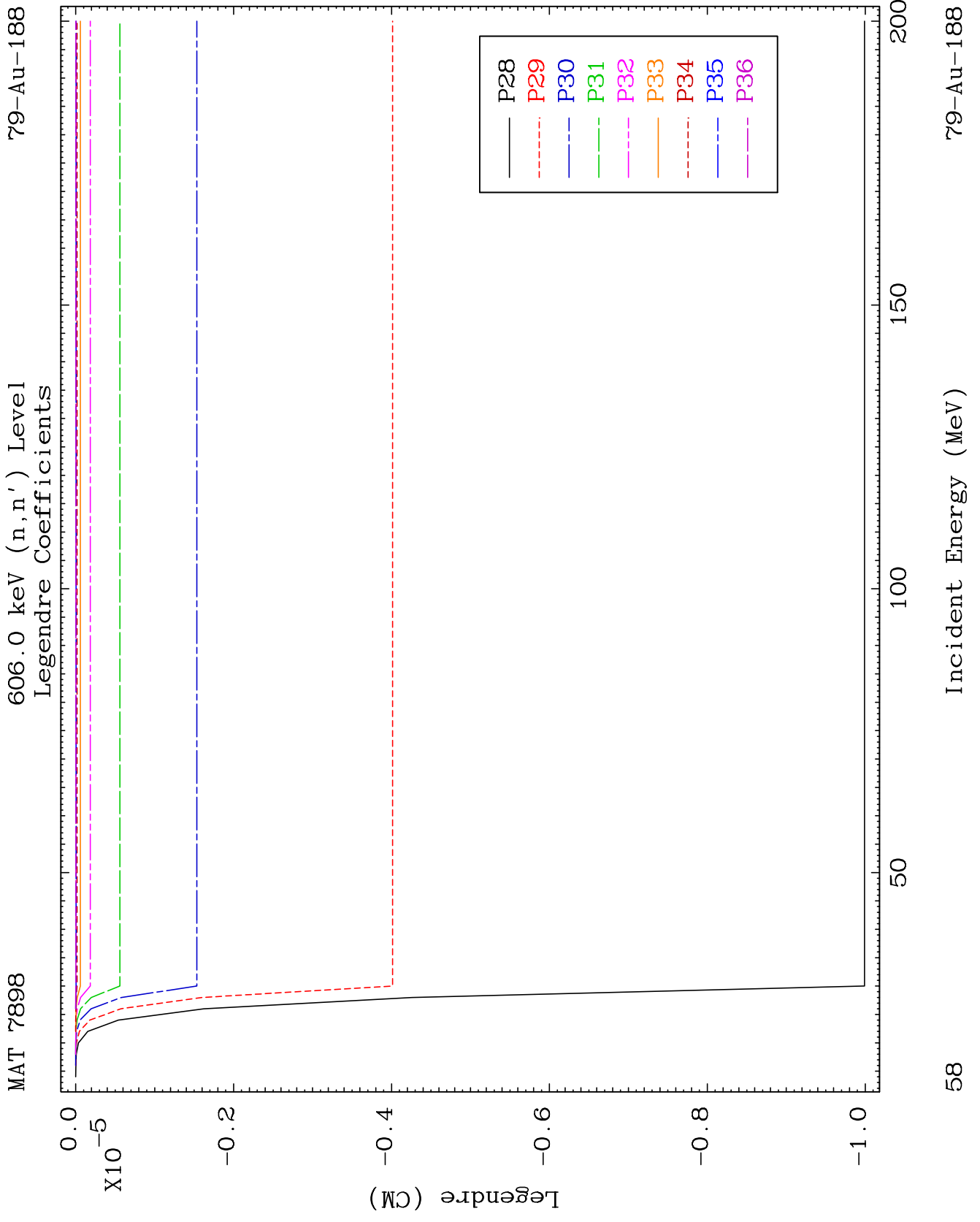


79-Au-188

Incident Energy (MeV)

56

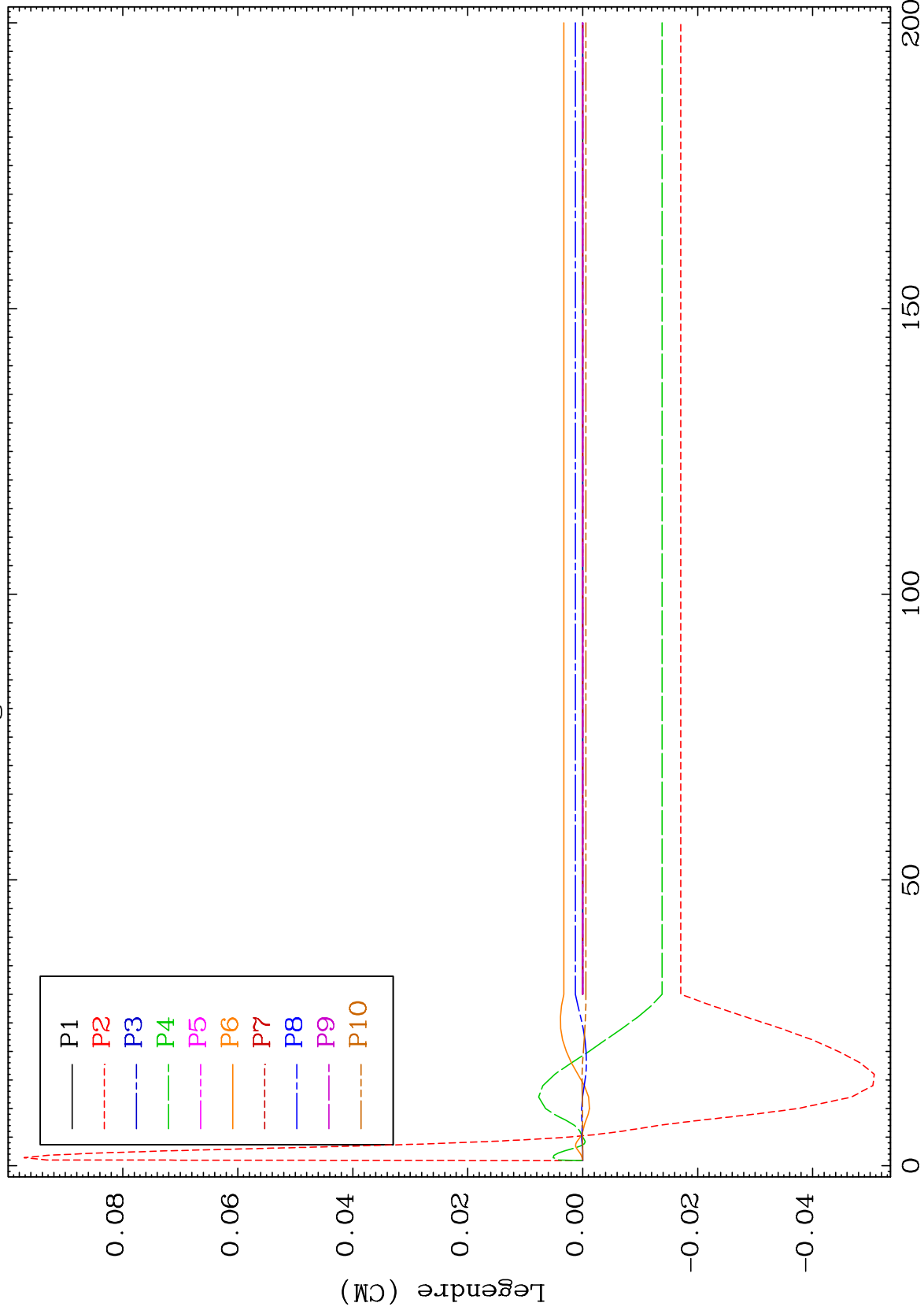




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859.8 keV (n,n') Level  
Legendre Coefficients

79-Au-188



59

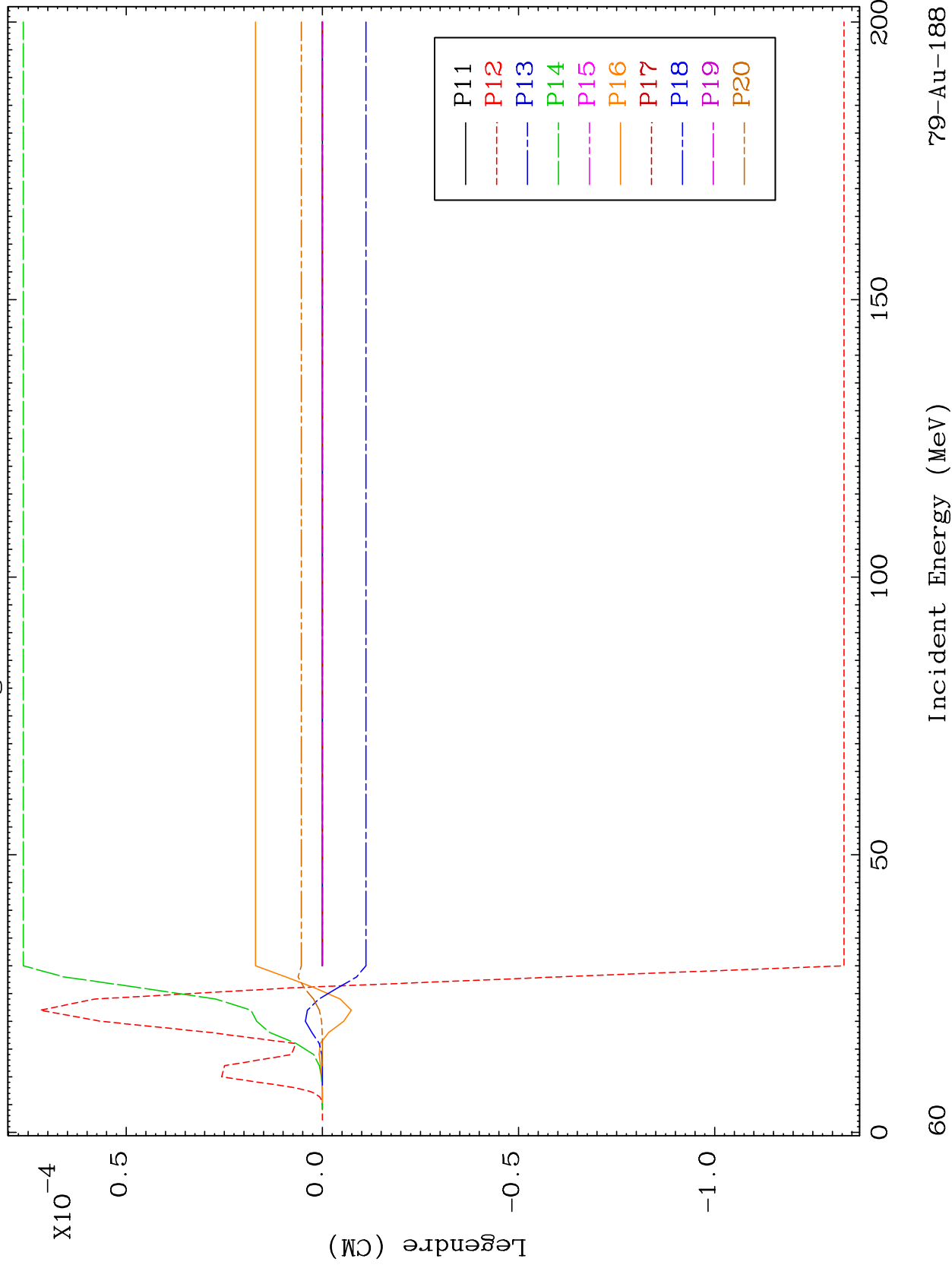
Incident Energy (MeV)

79-Au-188

MAT 7898

859.8 keV (n,n') Level  
Legendre Coefficients

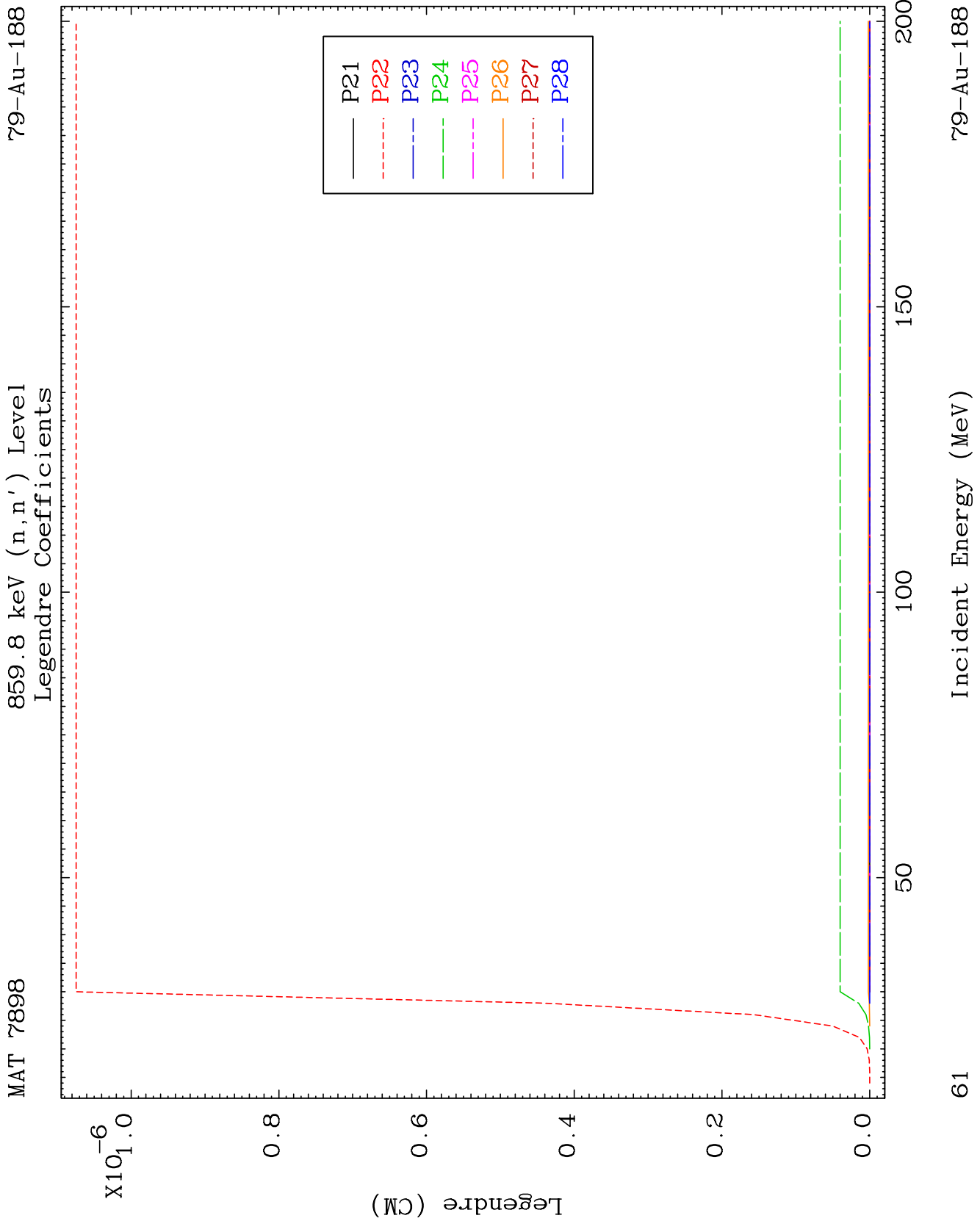
79-Au-188



79-Au-188

Incident Energy (MeV)

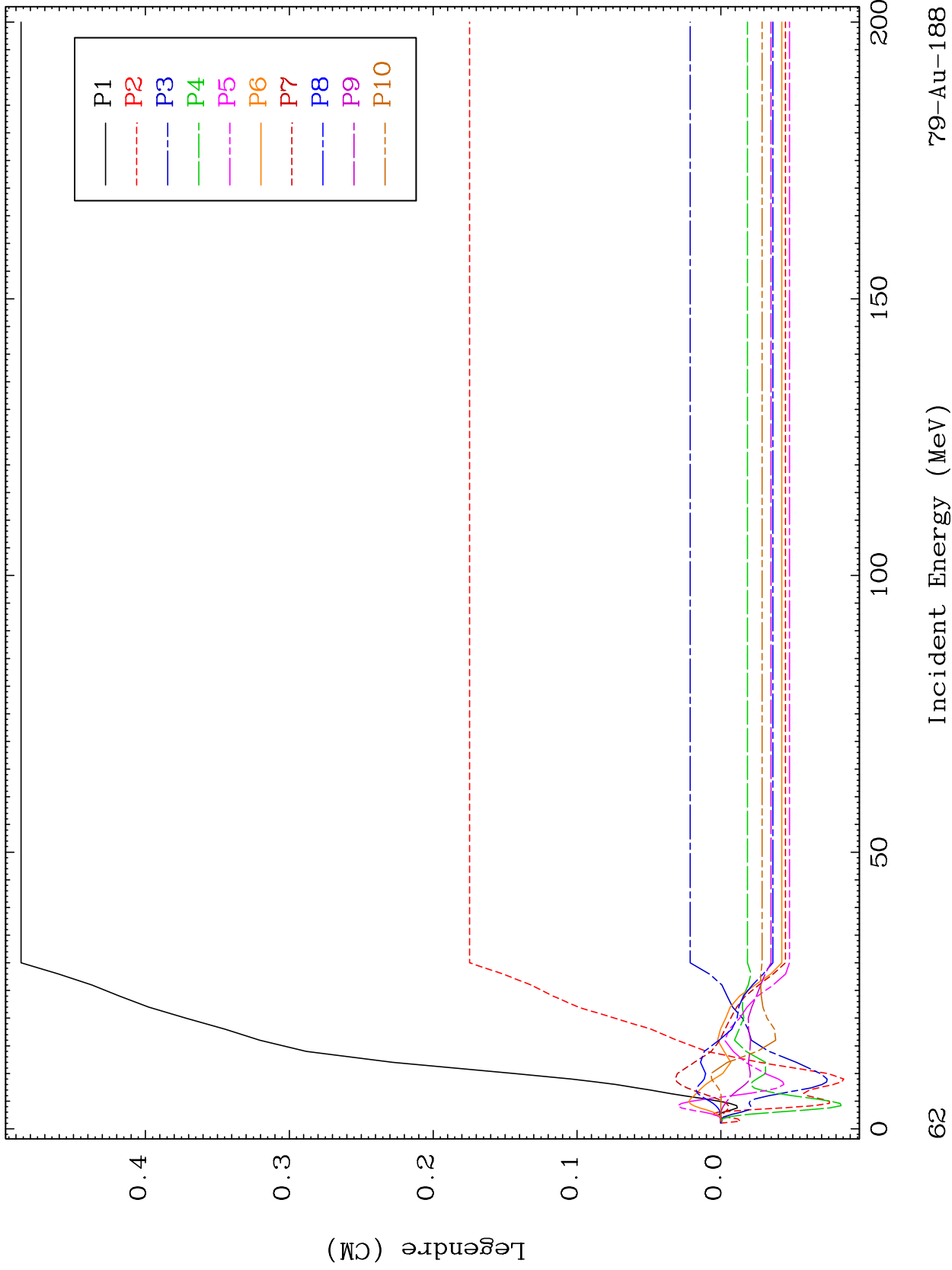
60



MAT 7898

1.012 MeV (n,n') Level  
Legendre Coefficients

79-Au-188



79-Au-188

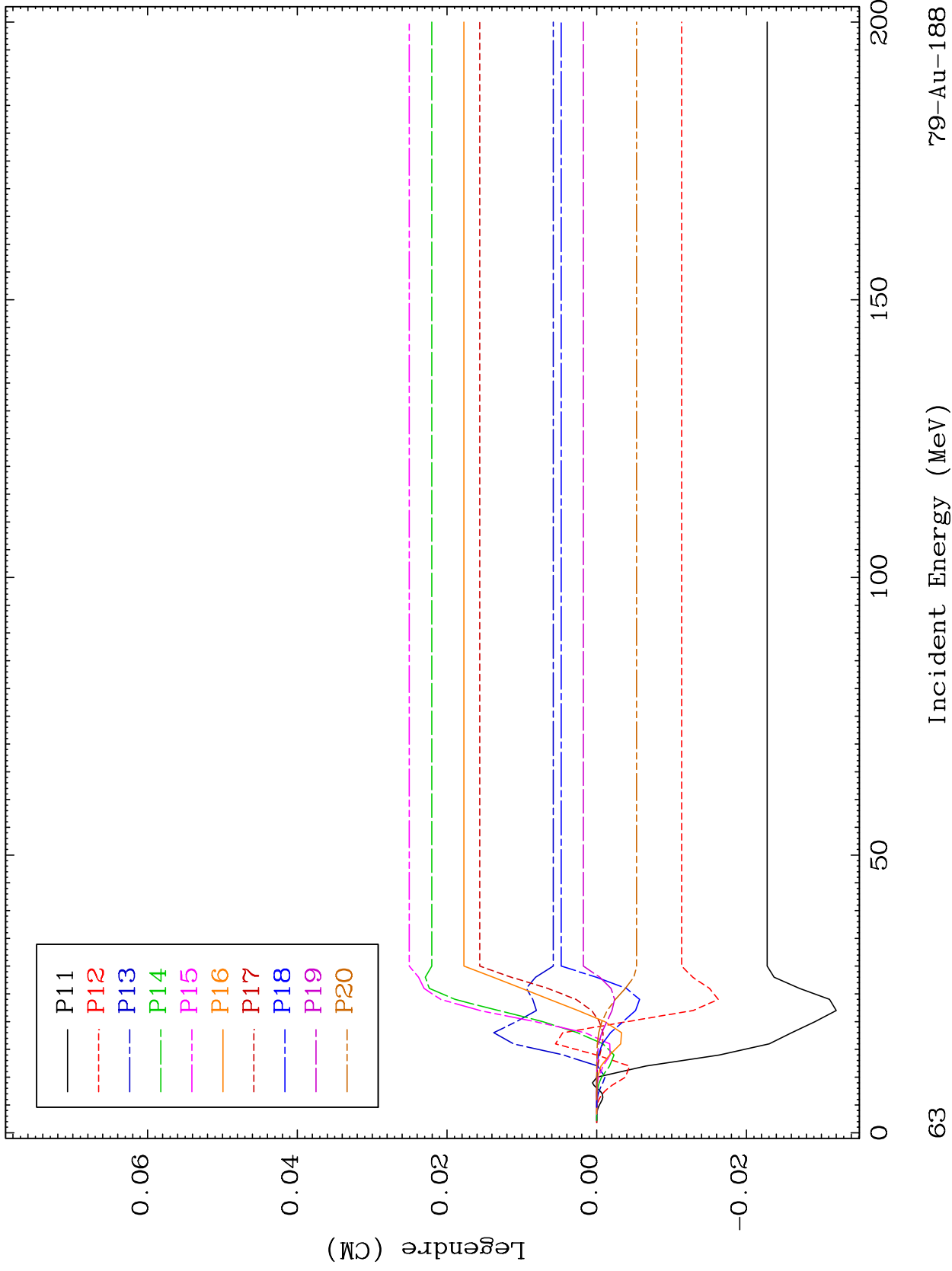
Incident Energy (MeV)

62

MAT 7898

1.012 MeV (n,n') Level  
Legendre Coefficients

79-Au-188



63

Incident Energy (MeV)

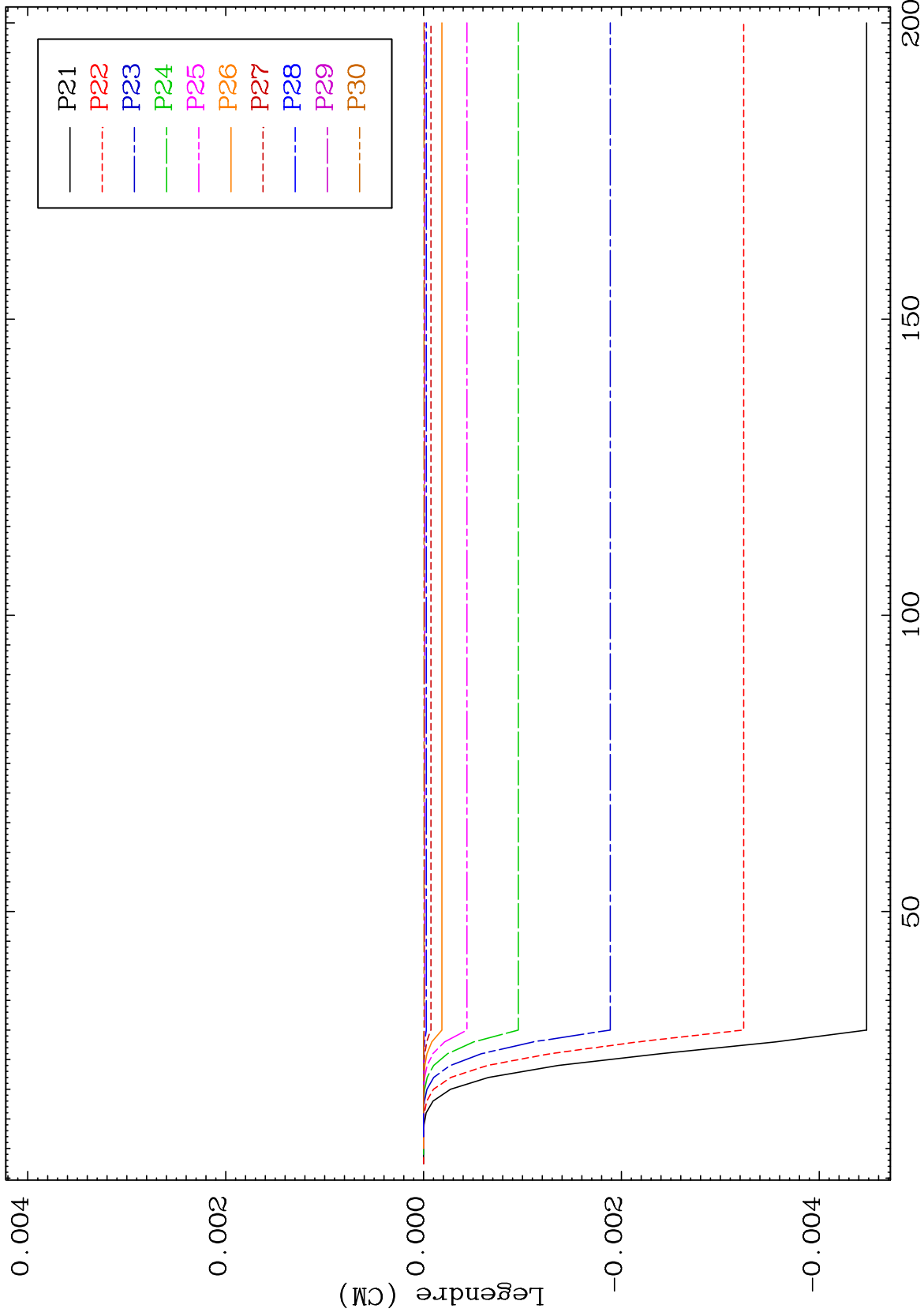
79-Au-188



MAT 7898

1.012 MeV (n,n') Level  
Legendre Coefficients

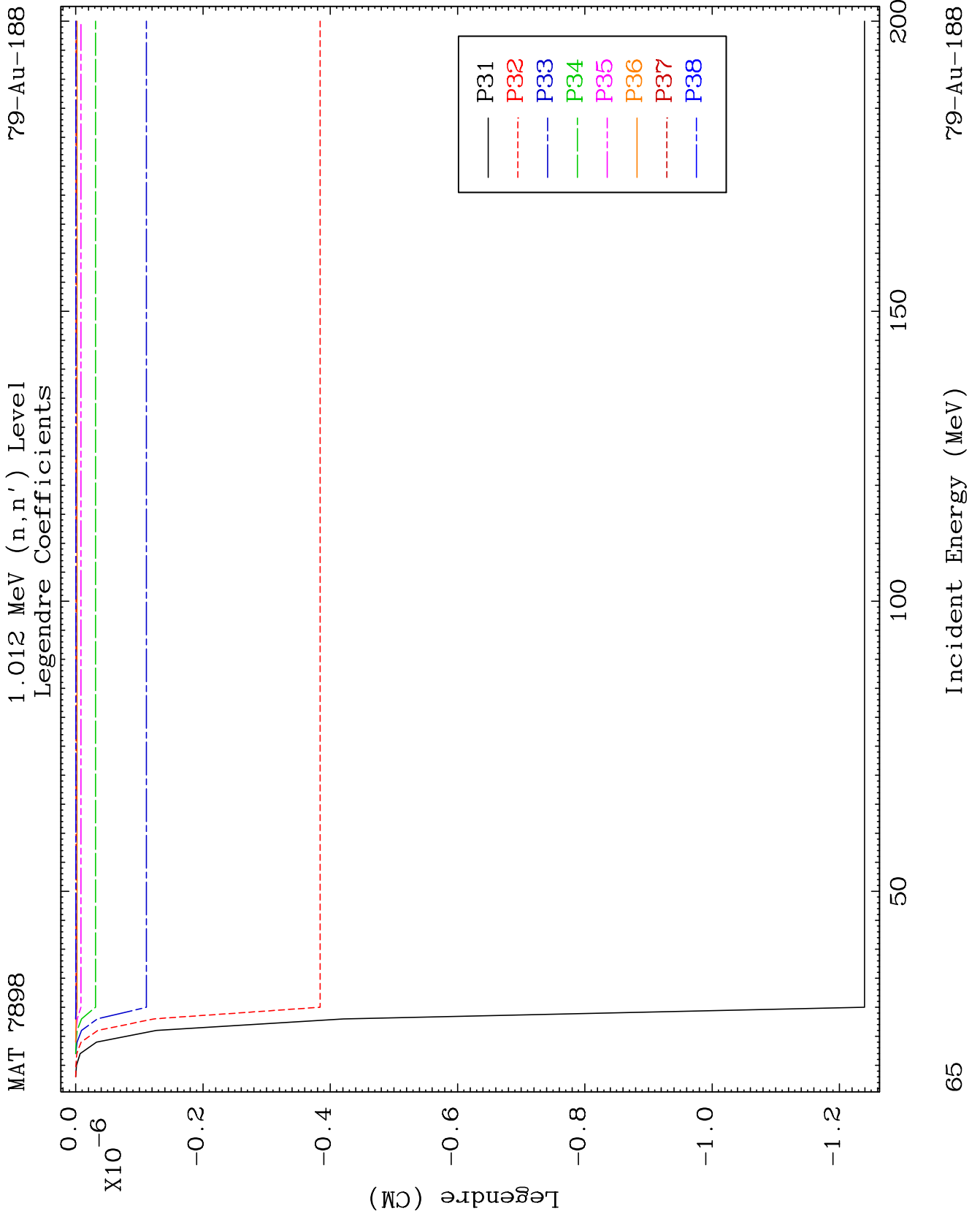
79-Au-188

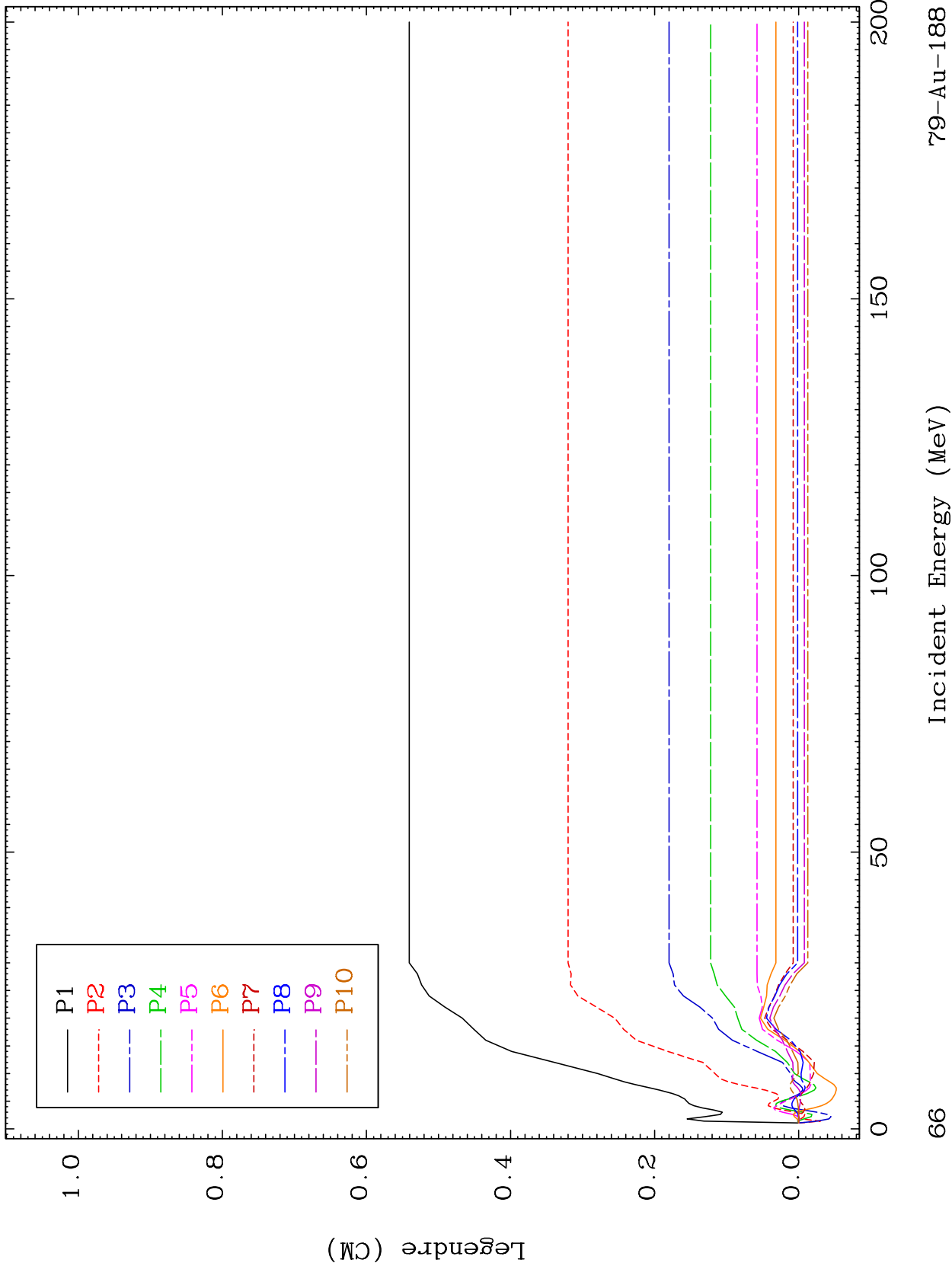


64

Incident Energy (MeV)

79-Au-188

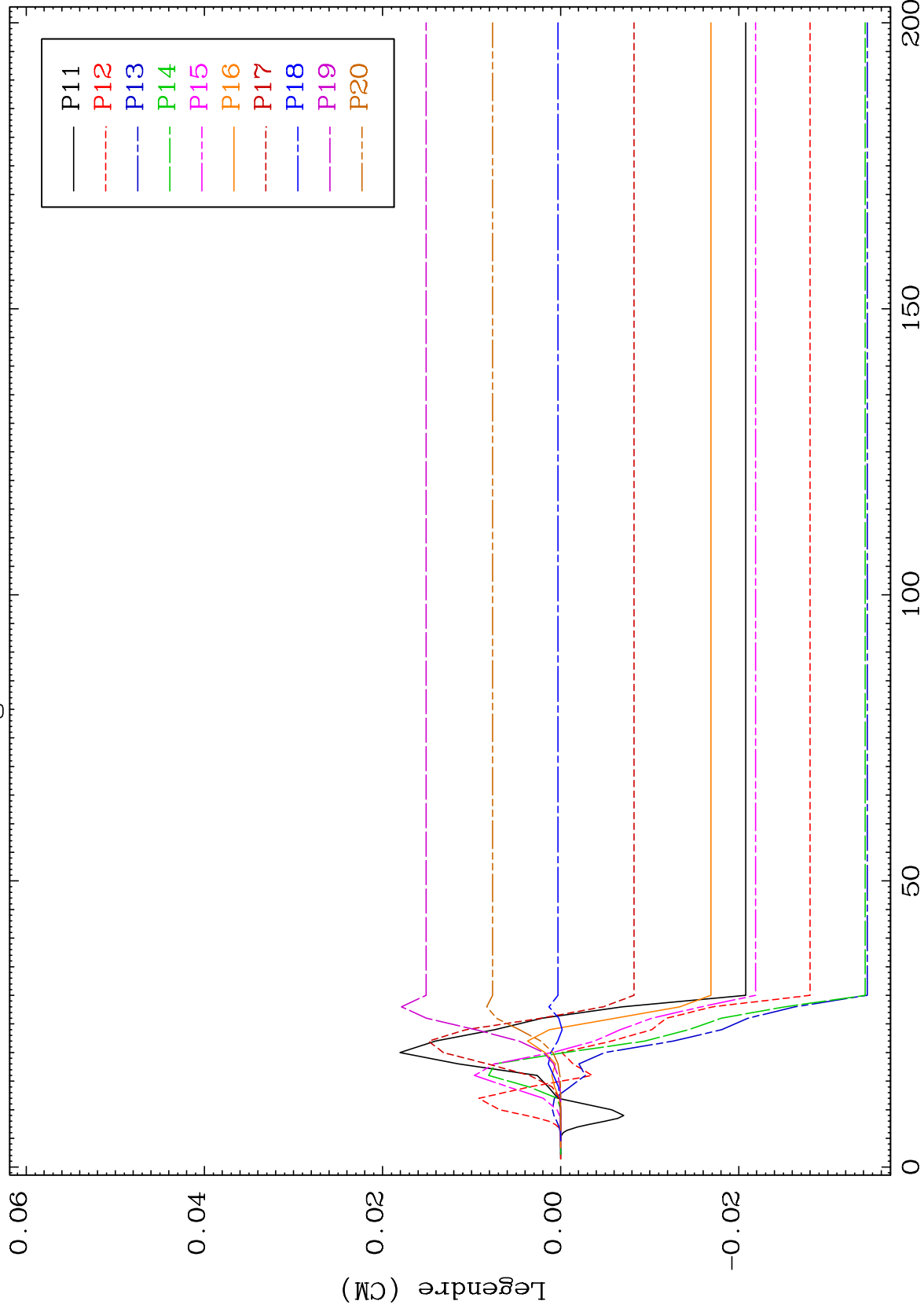




MAT 7898

1.048 MeV (n,n') Level  
Legendre Coefficients

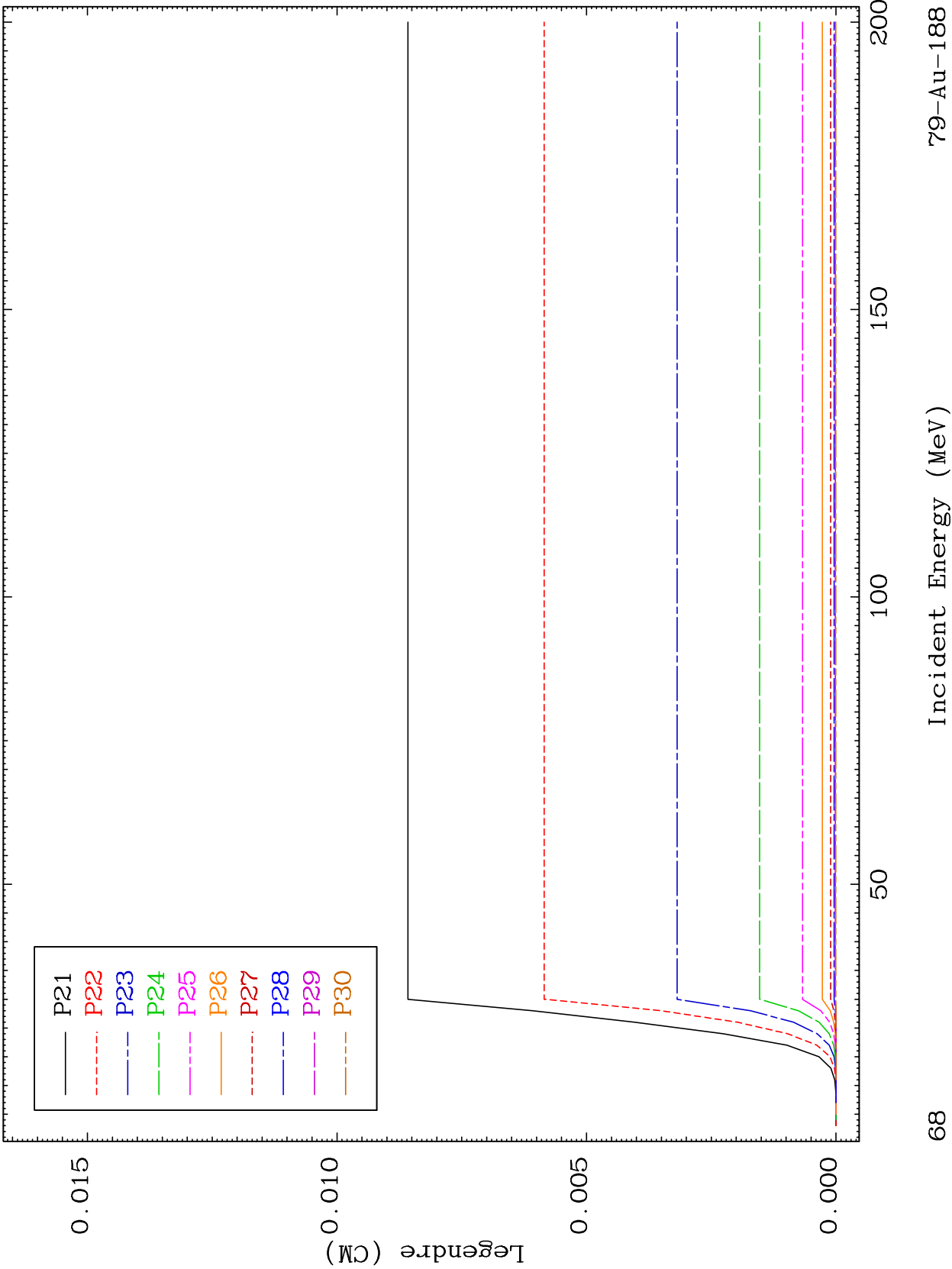
79-Au-188



67

Incident Energy (MeV)

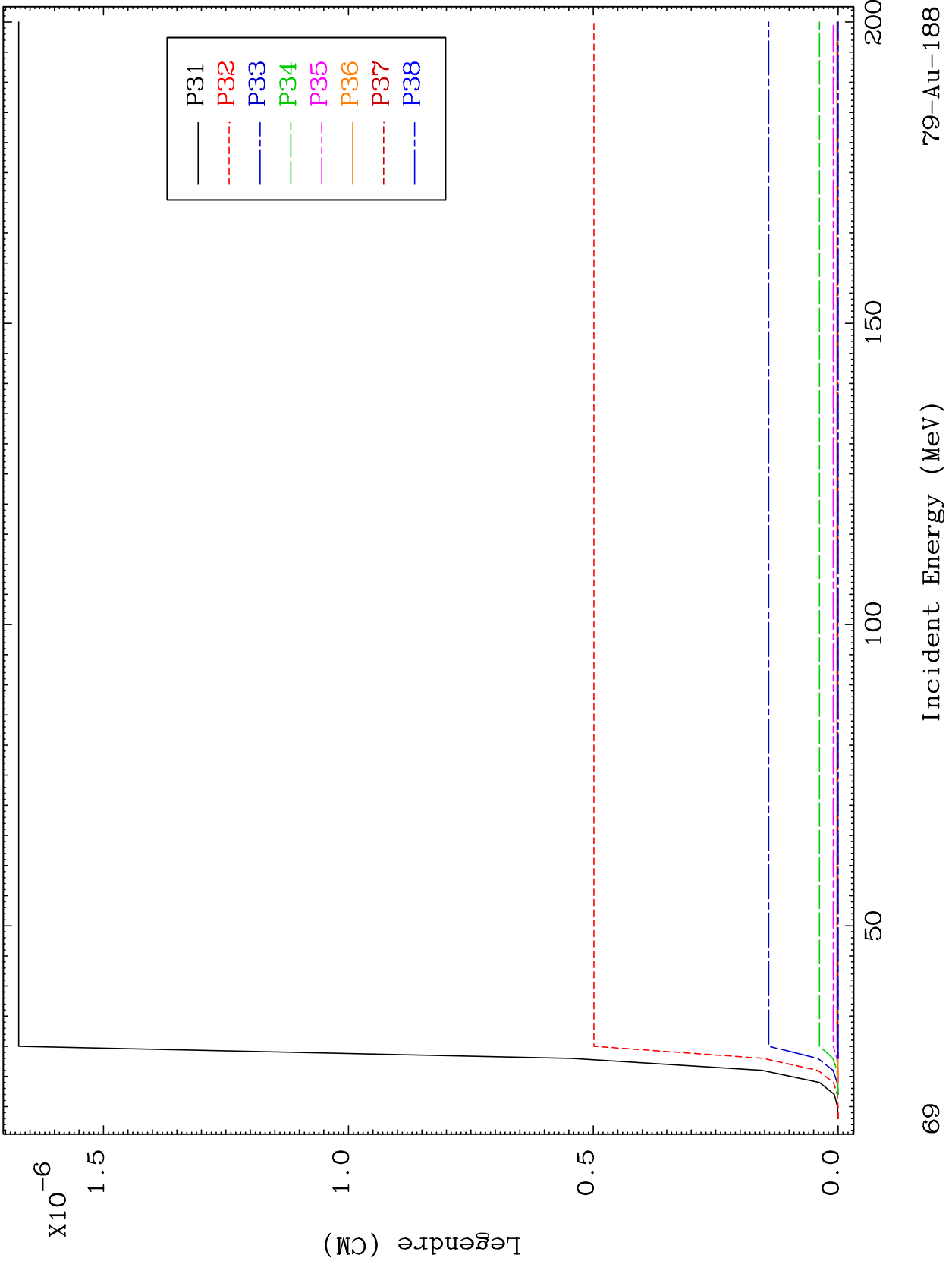
79-Au-188



MAT 7898

1.048 MeV (n,n') Level  
Legendre Coefficients

79-Au-188

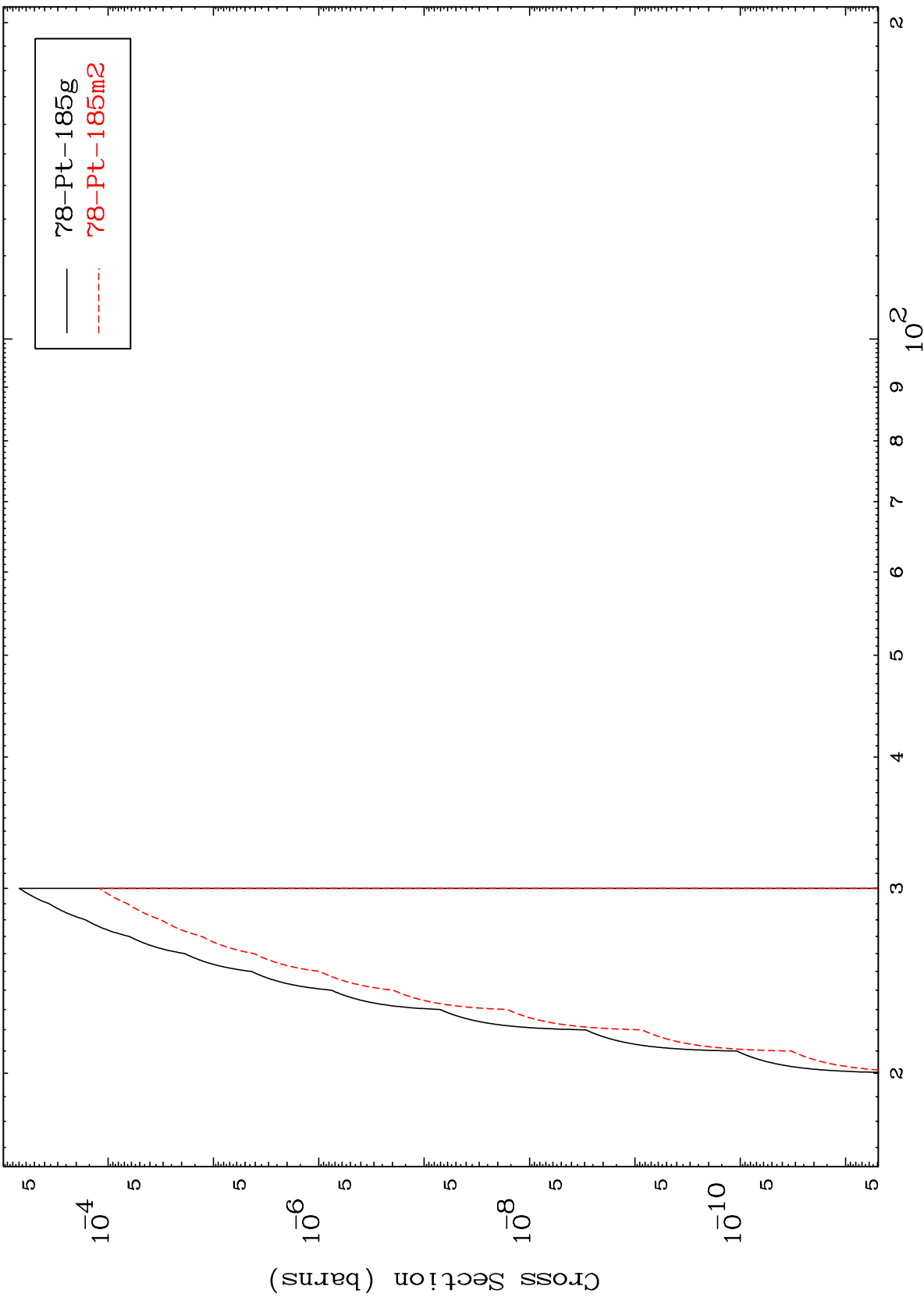


MAT 7898

(n,2n) d

79-Au-188

Radionuclide Production Cross Section



70

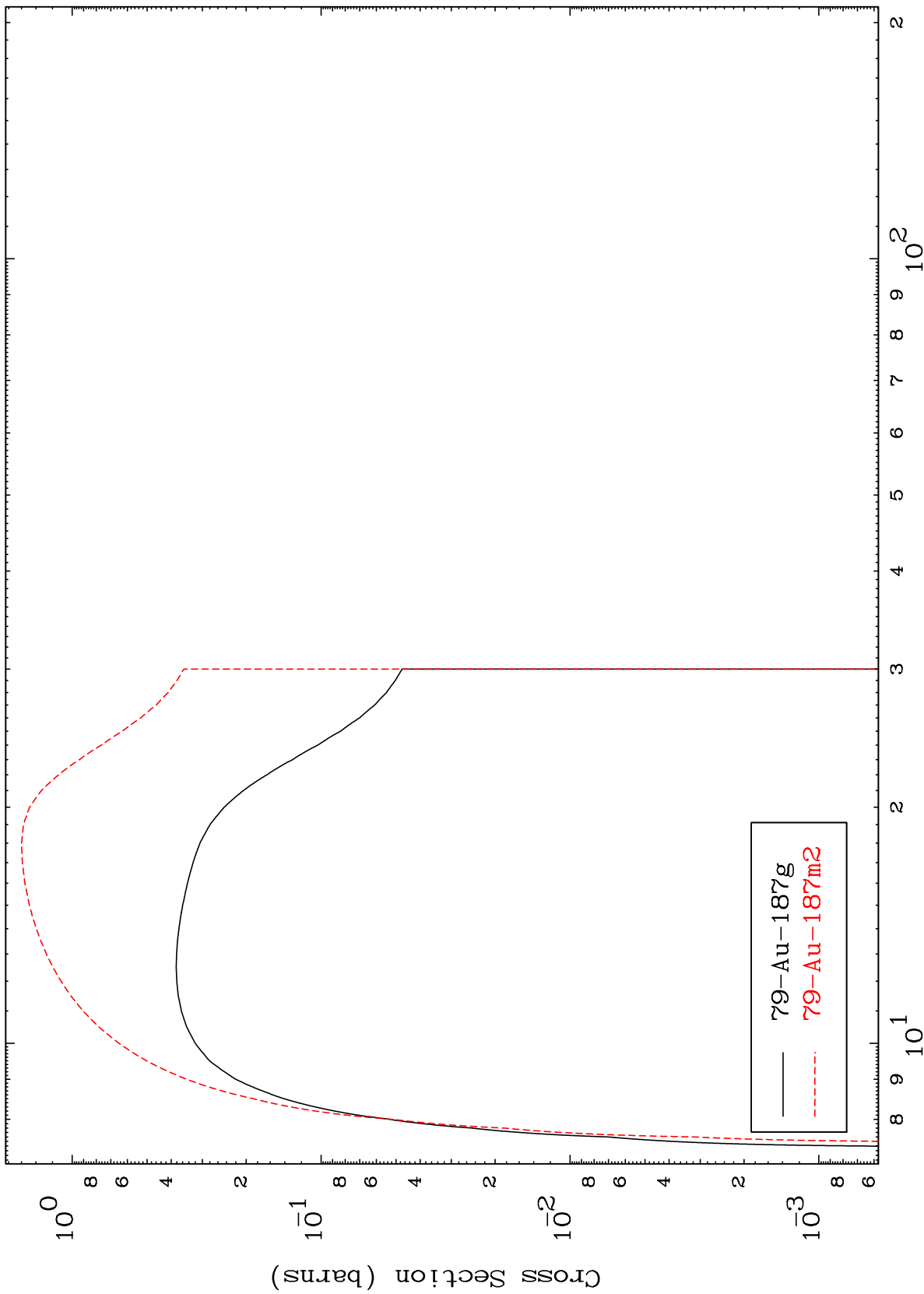
Incident Energy (MeV)

79-Au-188

MAT 7898

79-Au-188

(n,2n)  
Radionuclide Production Cross Section



71

Incident Energy (MeV)

79-Au-188

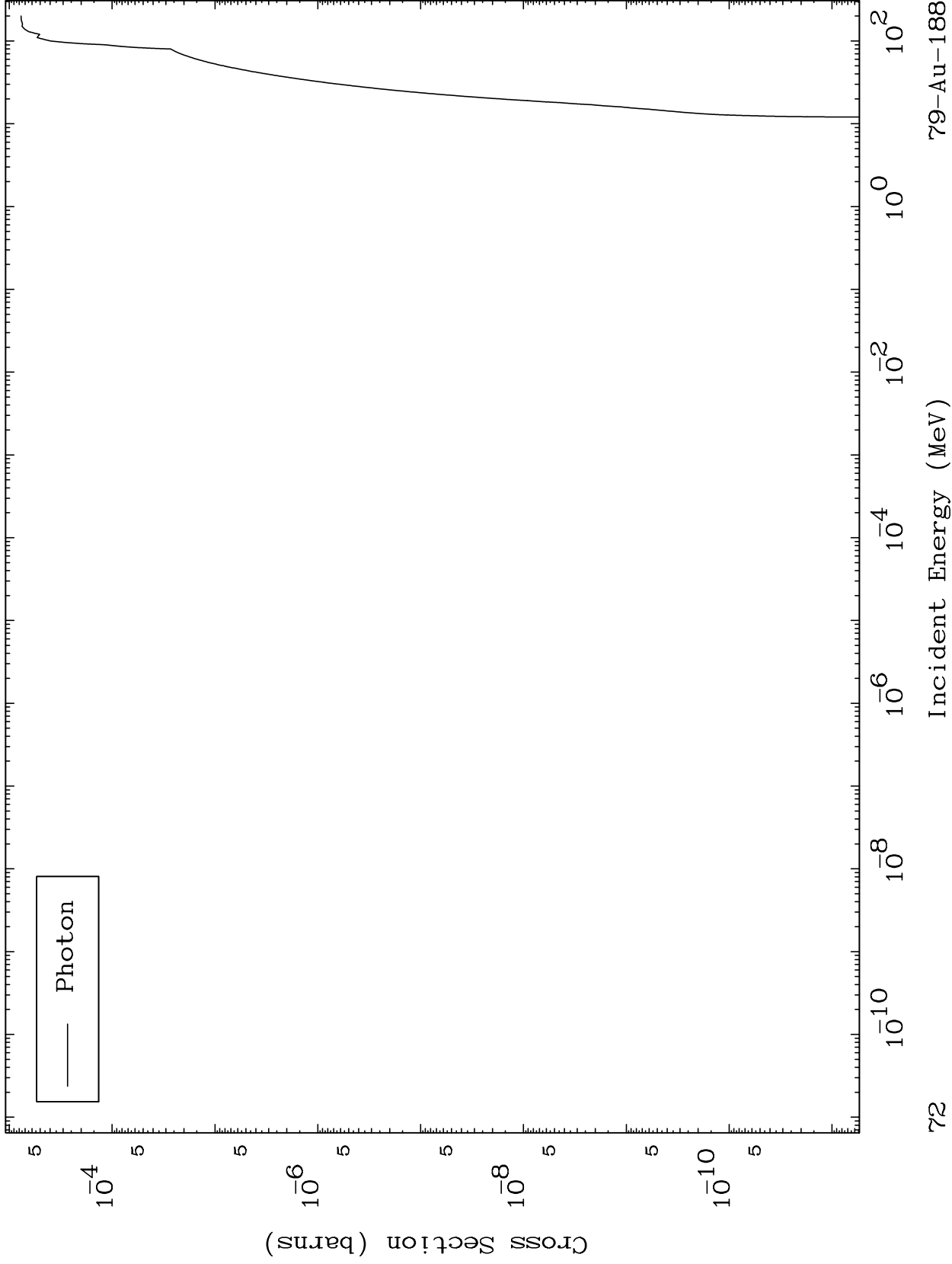


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Fission

79-Au-188

Radionuclide Production Cross Section



72

Incident Energy (MeV)

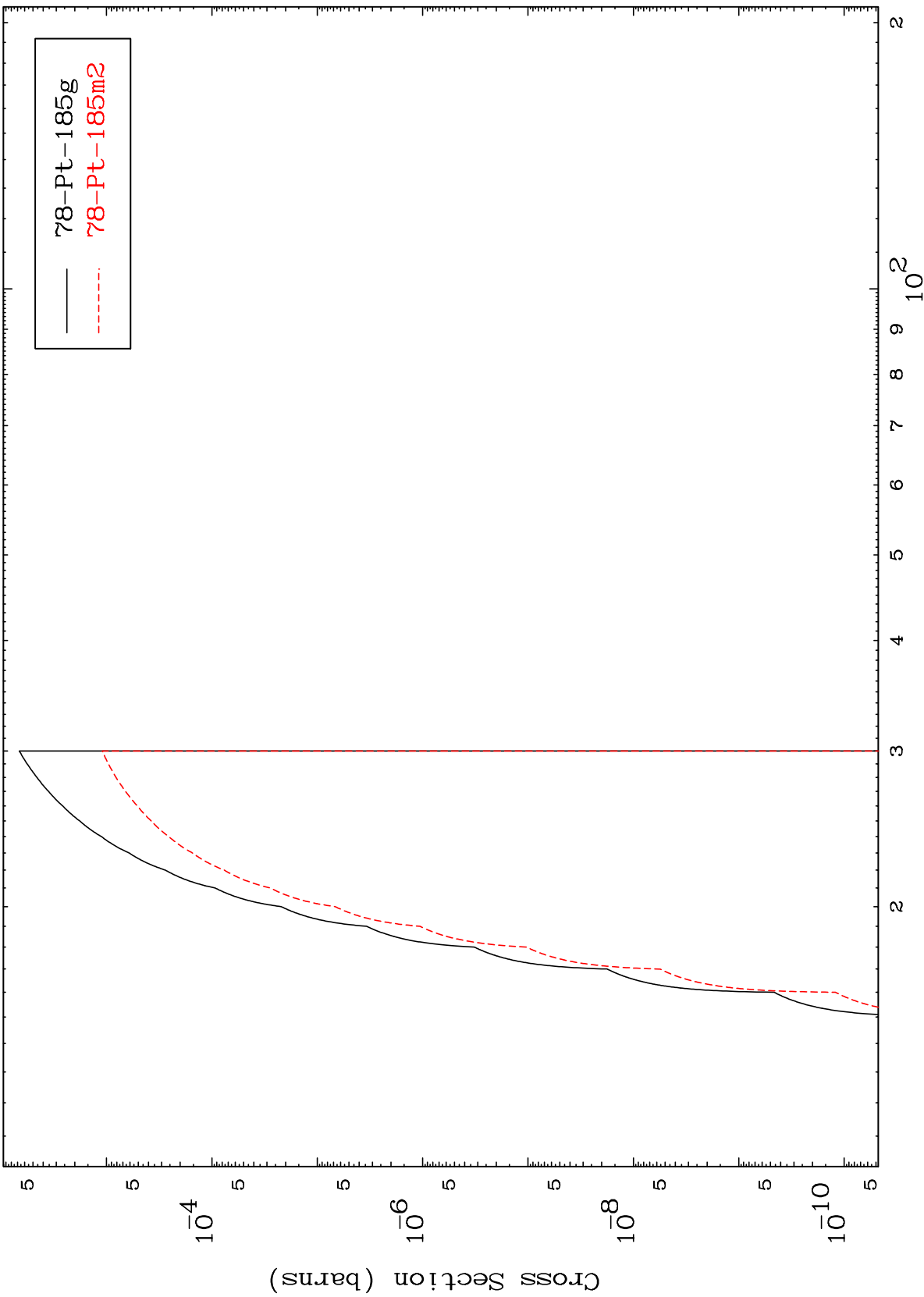
79-Au-188

MAT 7898

(n,n') t

79-Au-188

Radionuclide Production Cross Section



73

Incident Energy (MeV)

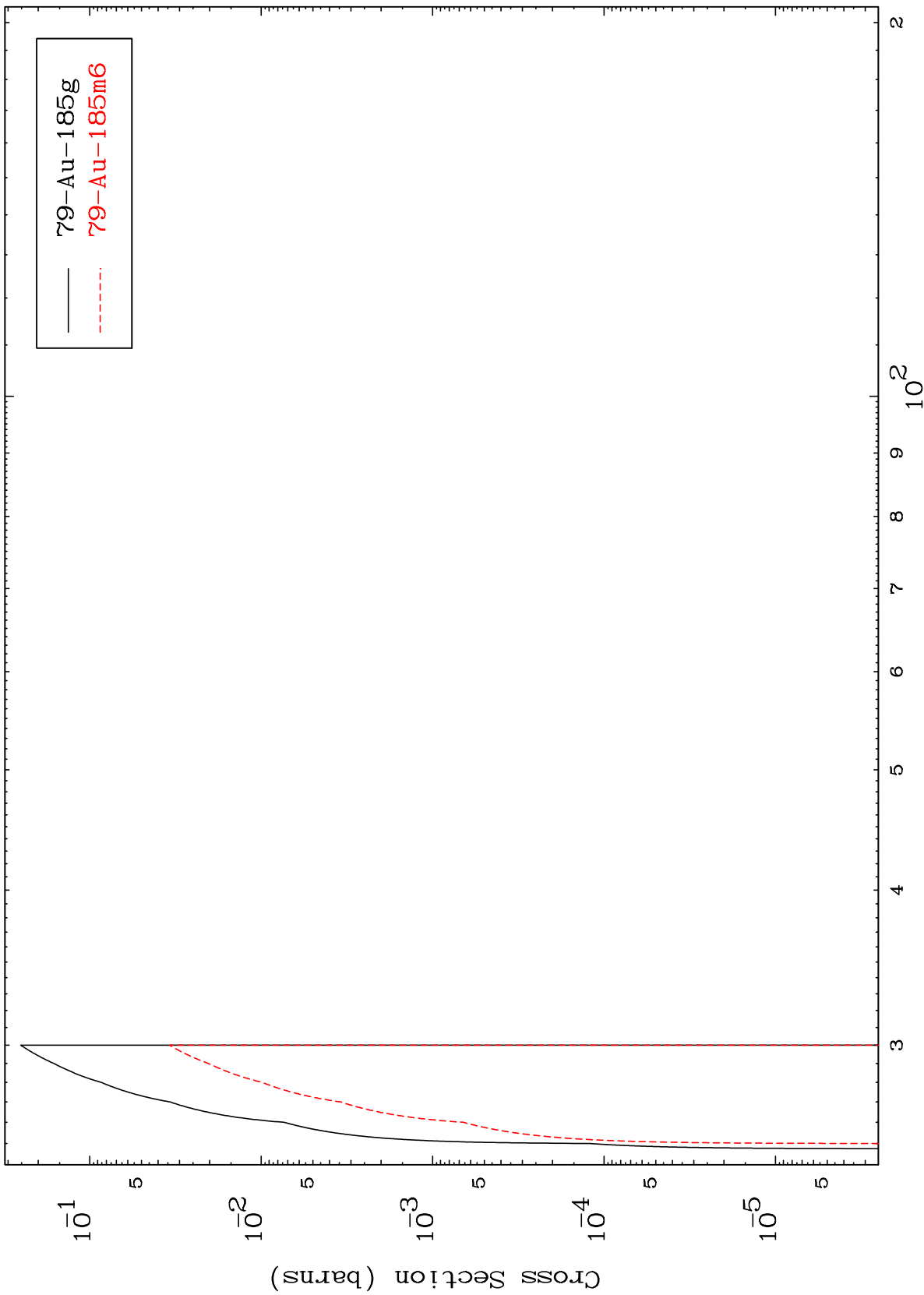
79-Au-188

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79-Au-188

(n,4n)

Radionuclide Production Cross Section



79-Au-185g  
79-Au-185m6

74

Incident Energy (MeV)

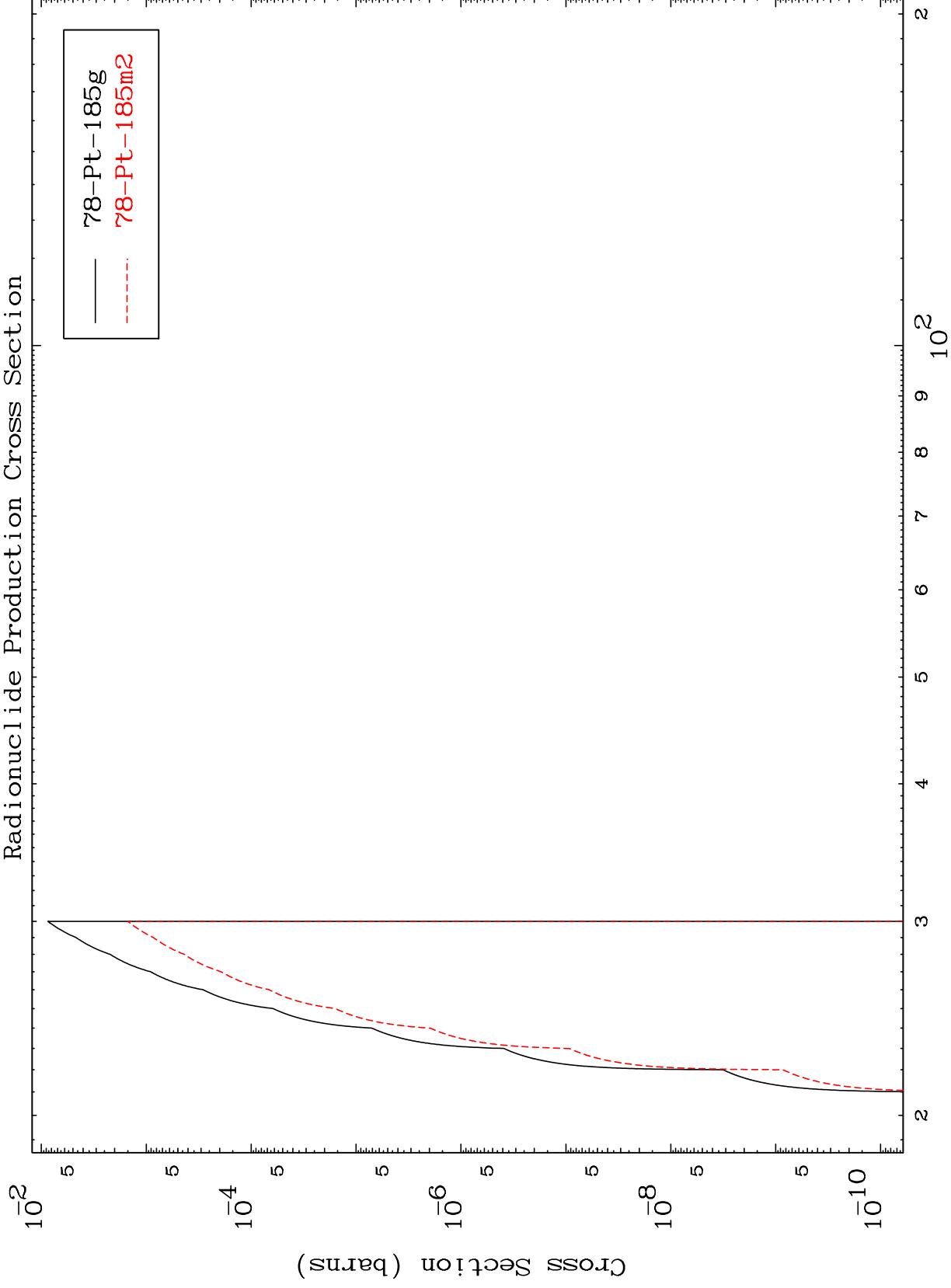
79-Au-188

MAT 7898

(n,3n) p

79-Au-188

Radionuclide Production Cross Section



75

Incident Energy (MeV)

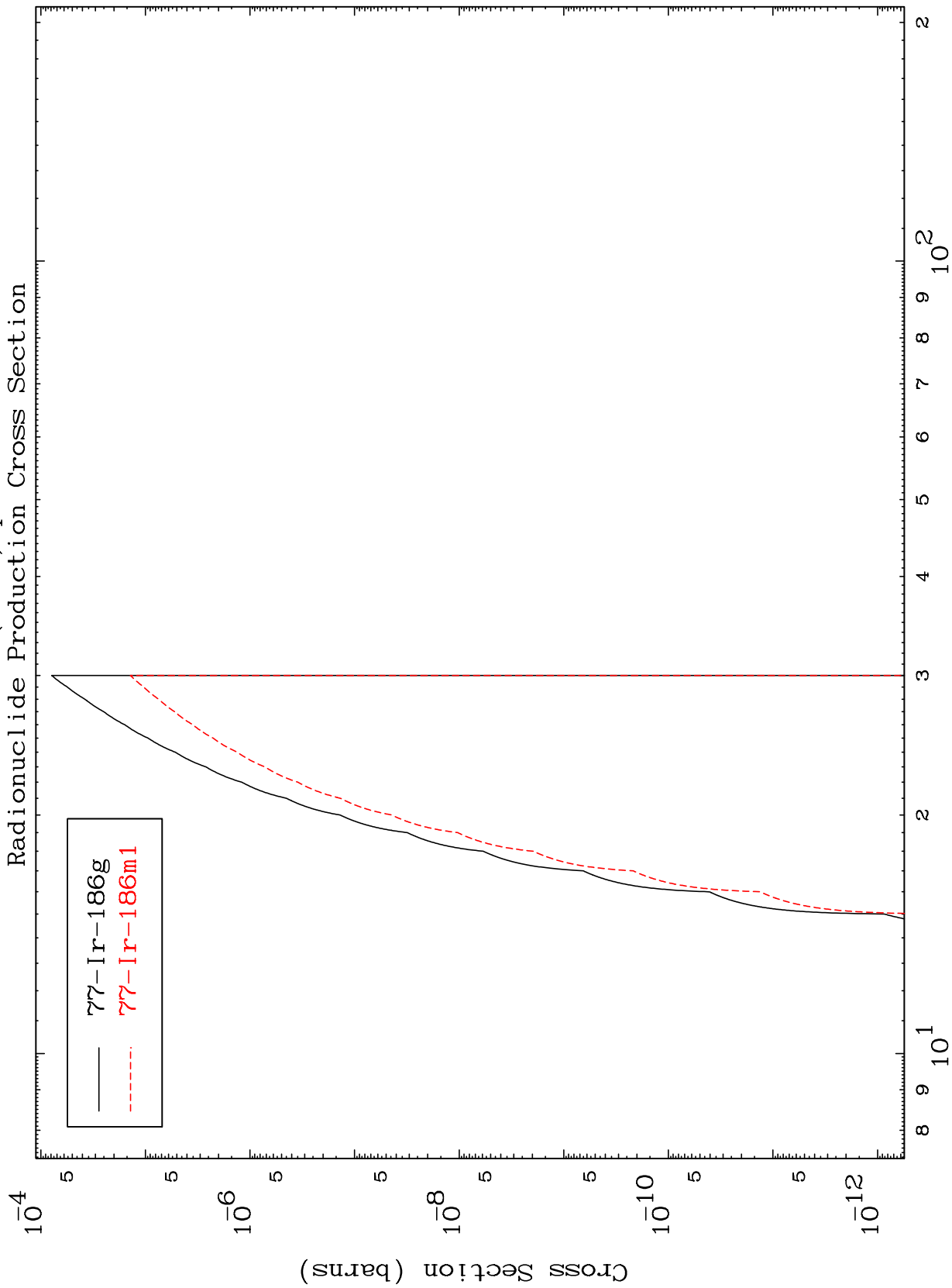
79-Au-188

MAT 7898

(n,2n) p

79-Au-188

Radionuclide Production Cross Section



76

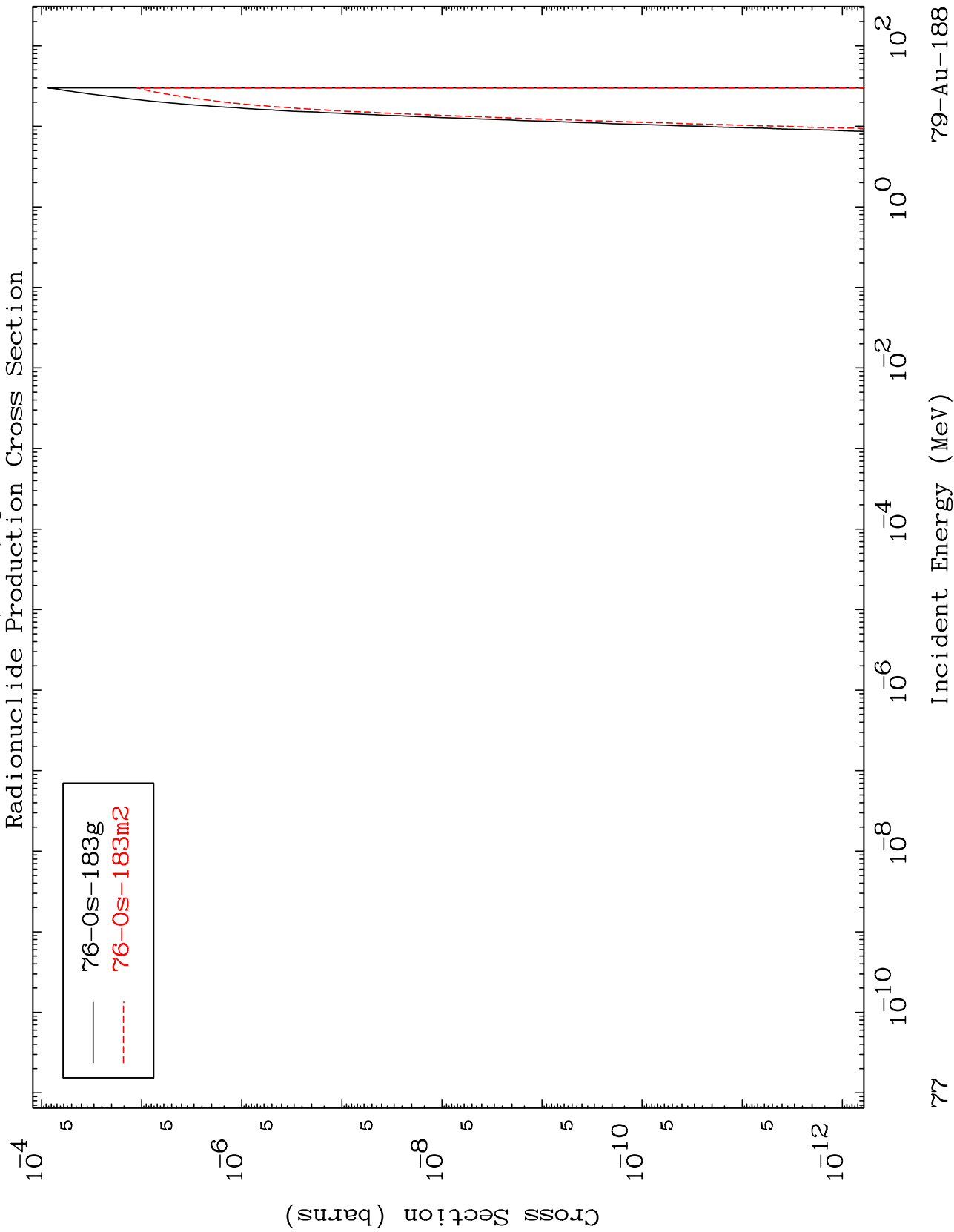
Incident Energy (MeV)

79-Au-188

MAT 7898

(n,n') p  $\alpha$

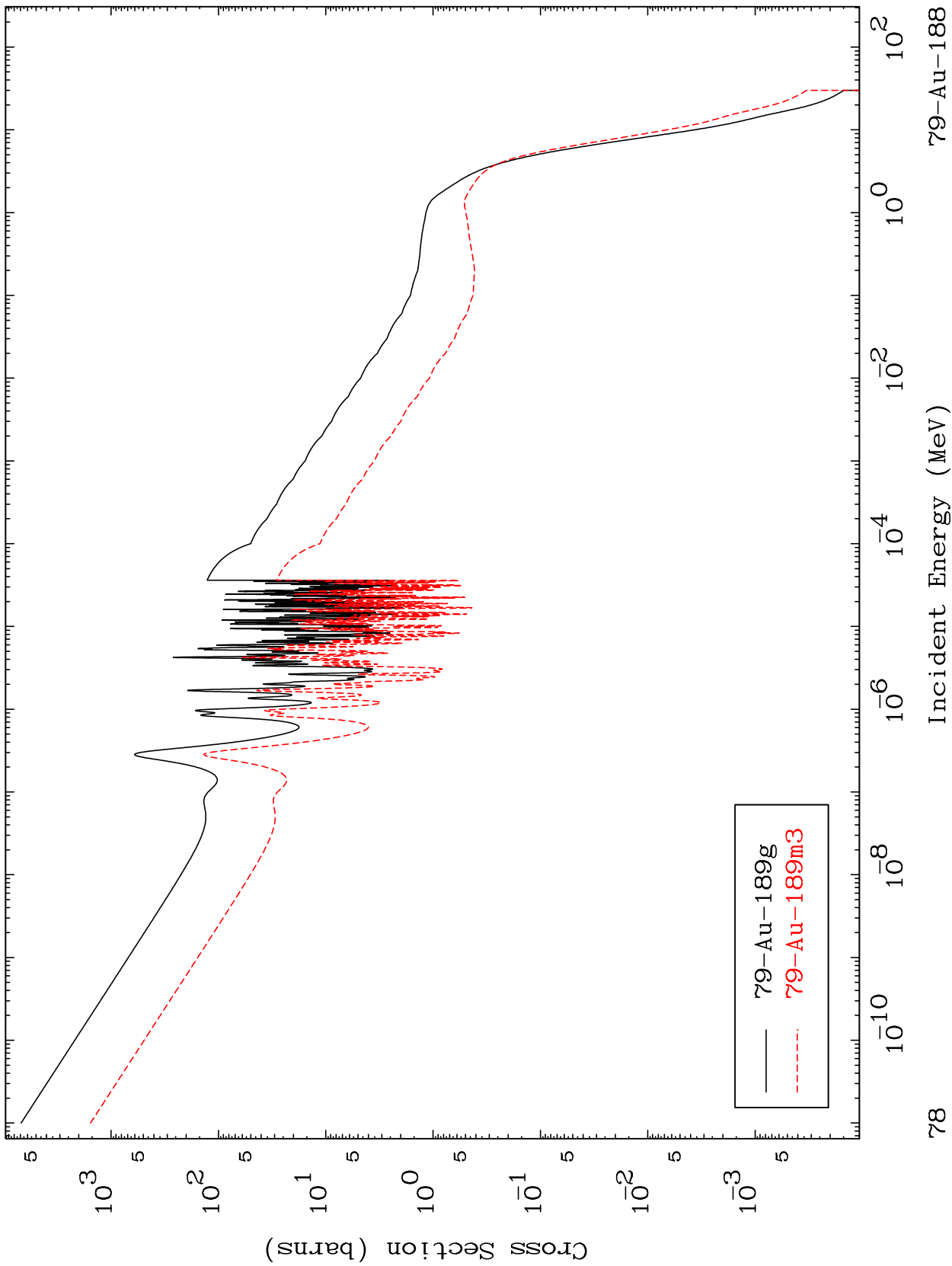
<sup>79</sup>Au-188



MAT 7898

79-Au-188

(n,γ)  
Radionuclide Production Cross Section



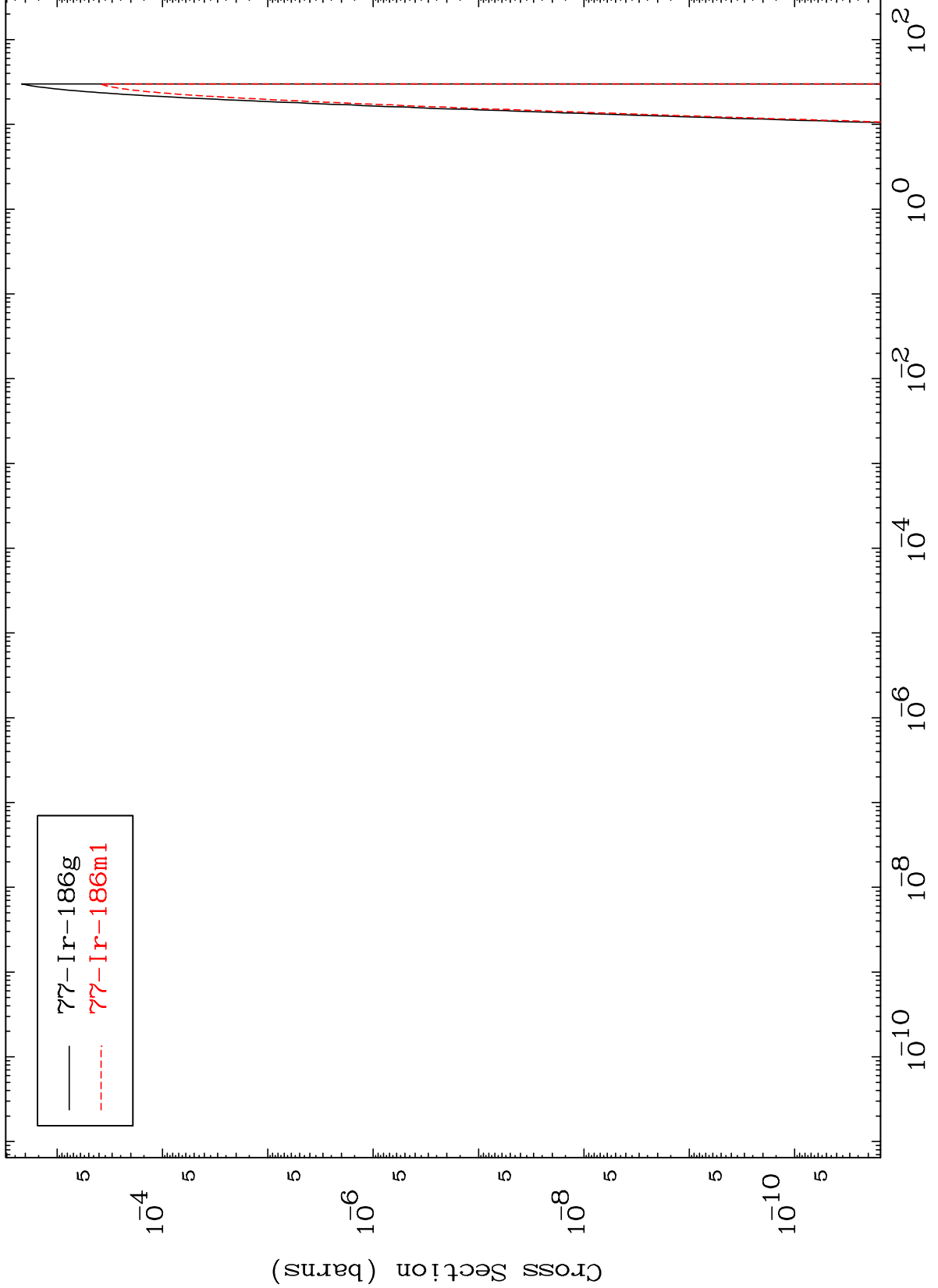
78

MAT 7898

(n,He-3)

79-Au-188

Radionuclide Production Cross Section



—  $^{77}\text{Ir-186g}$   
- - -  $^{77}\text{Ir-186m1}$

79

Incident Energy (MeV)

79-Au-188

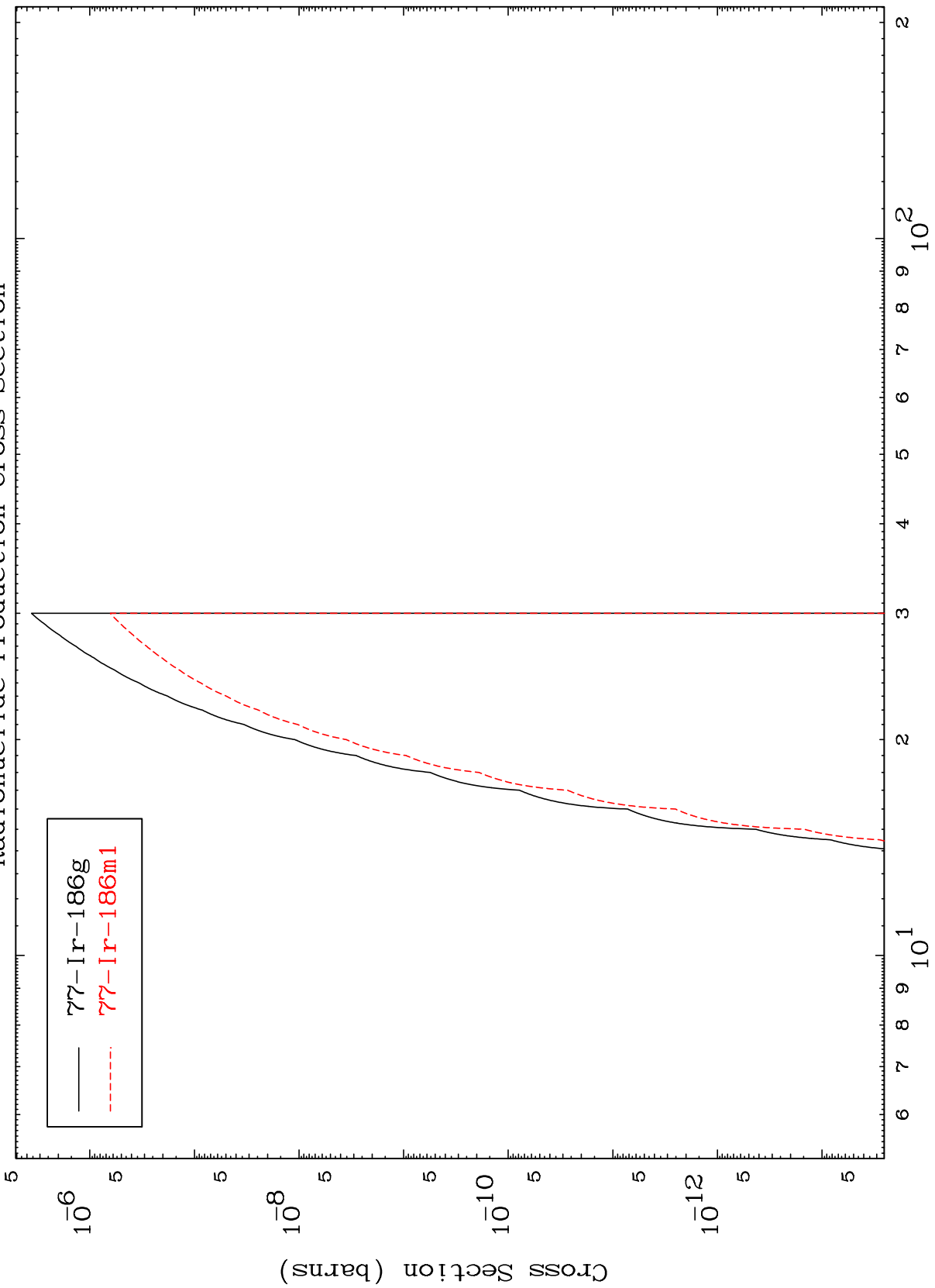


MAT 7898

(n,p) d

79-Au-188

Radionuclide Production Cross Section



—  $^{77}\text{Ir-186g}$   
- - -  $^{77}\text{Ir-186m1}$

80

Incident Energy (MeV)

79-Au-188

MAT 7898

(n,d)  $\alpha$

<sup>79</sup>Au-188

Radionuclide Production Cross Section

