

Program EVALPLOT  
(Version 2015-2)

by

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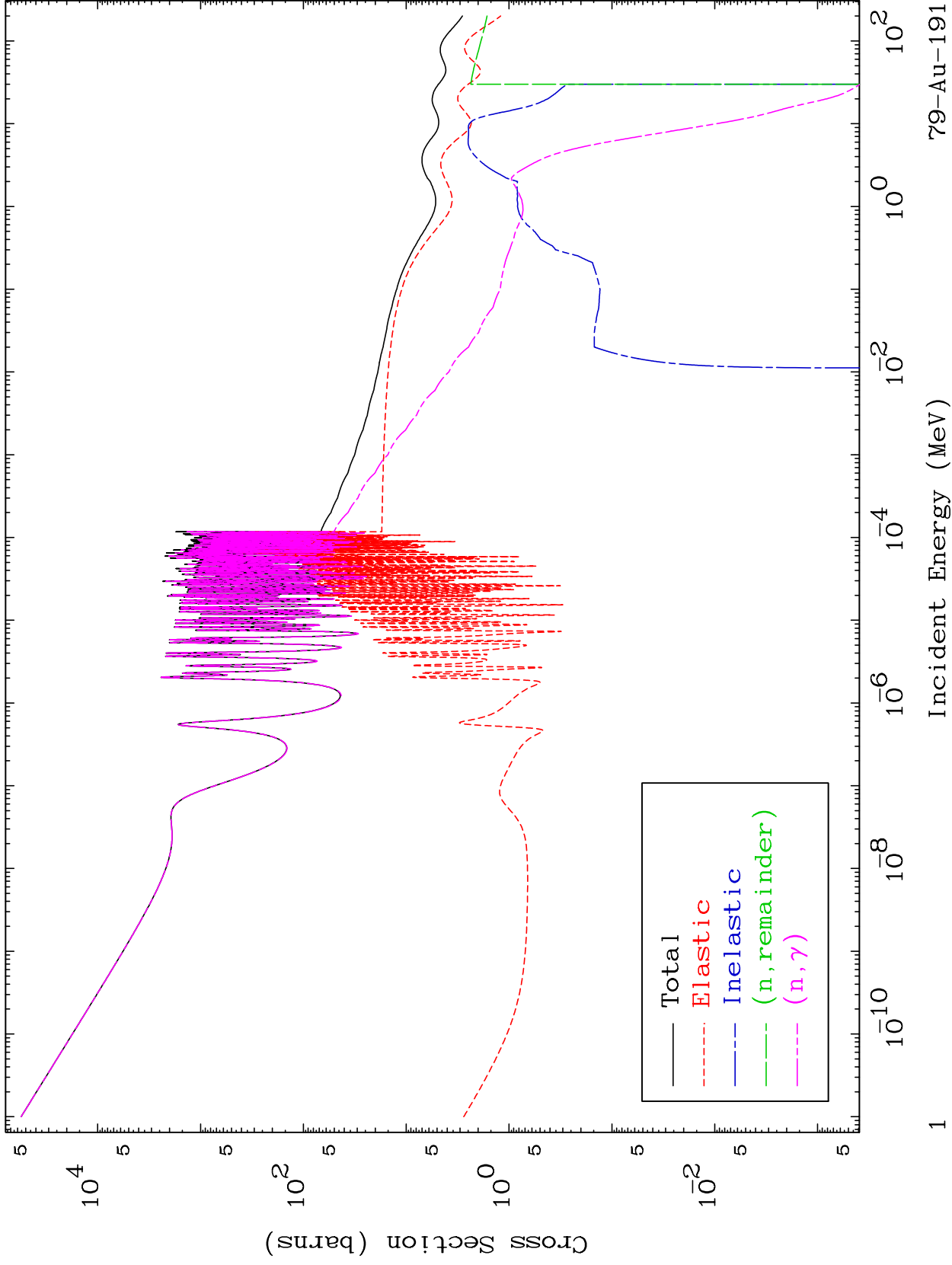
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 7907

Major  
293 Kelvin Cross Sections

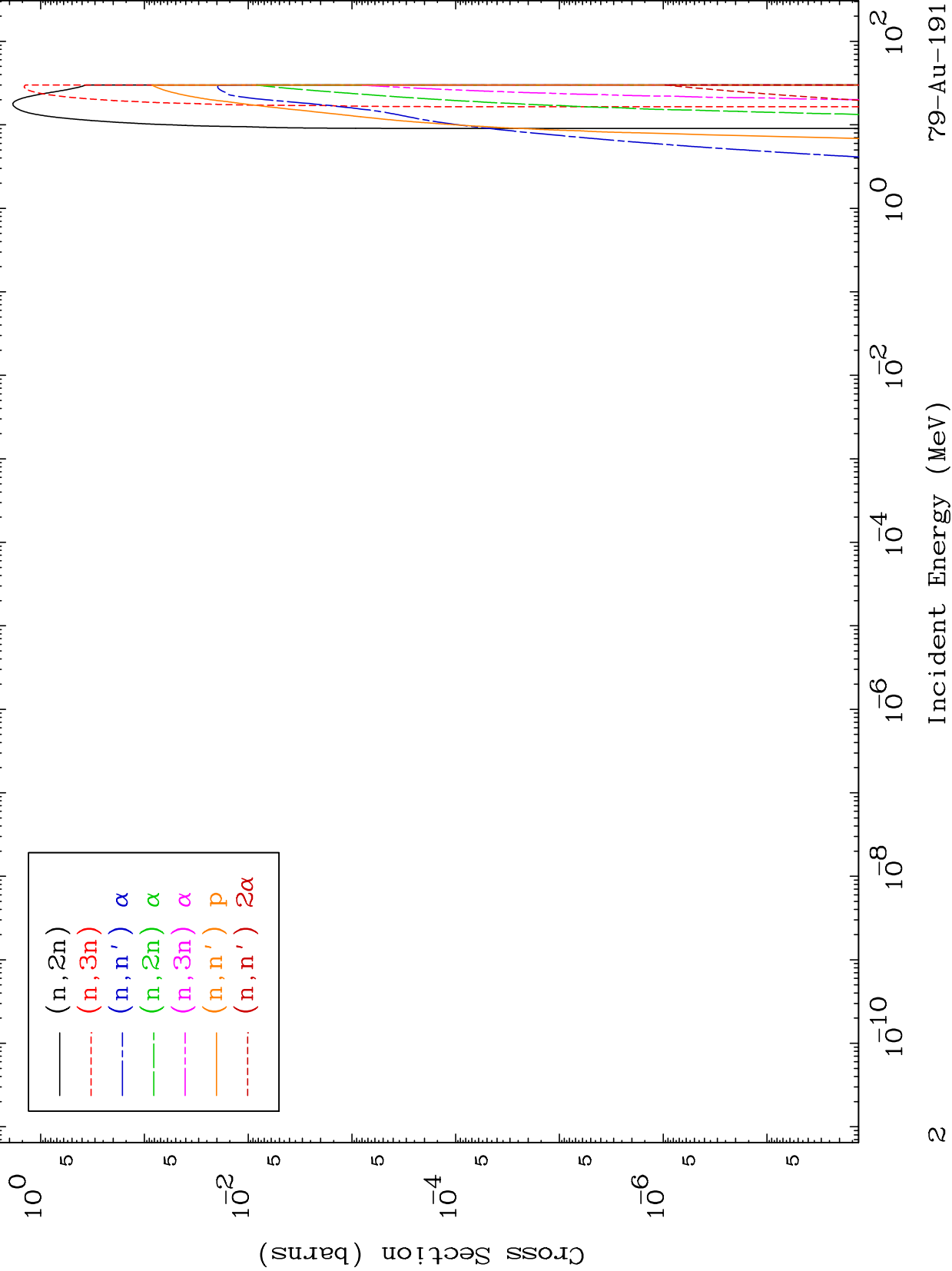
79-Au-191

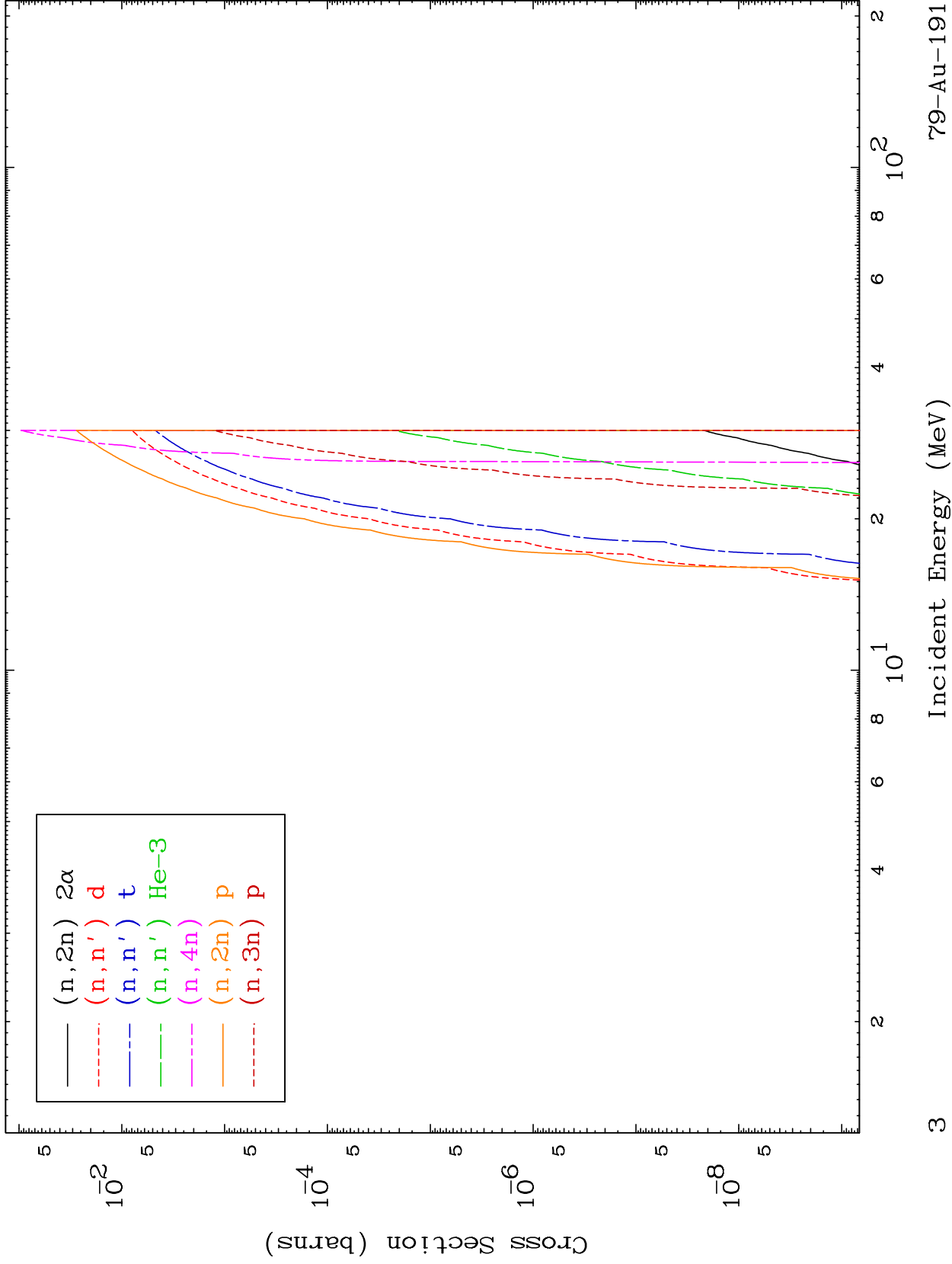


MAT 7907

Neutron Production  
293 Kelvin Cross Sections

79-Au-191

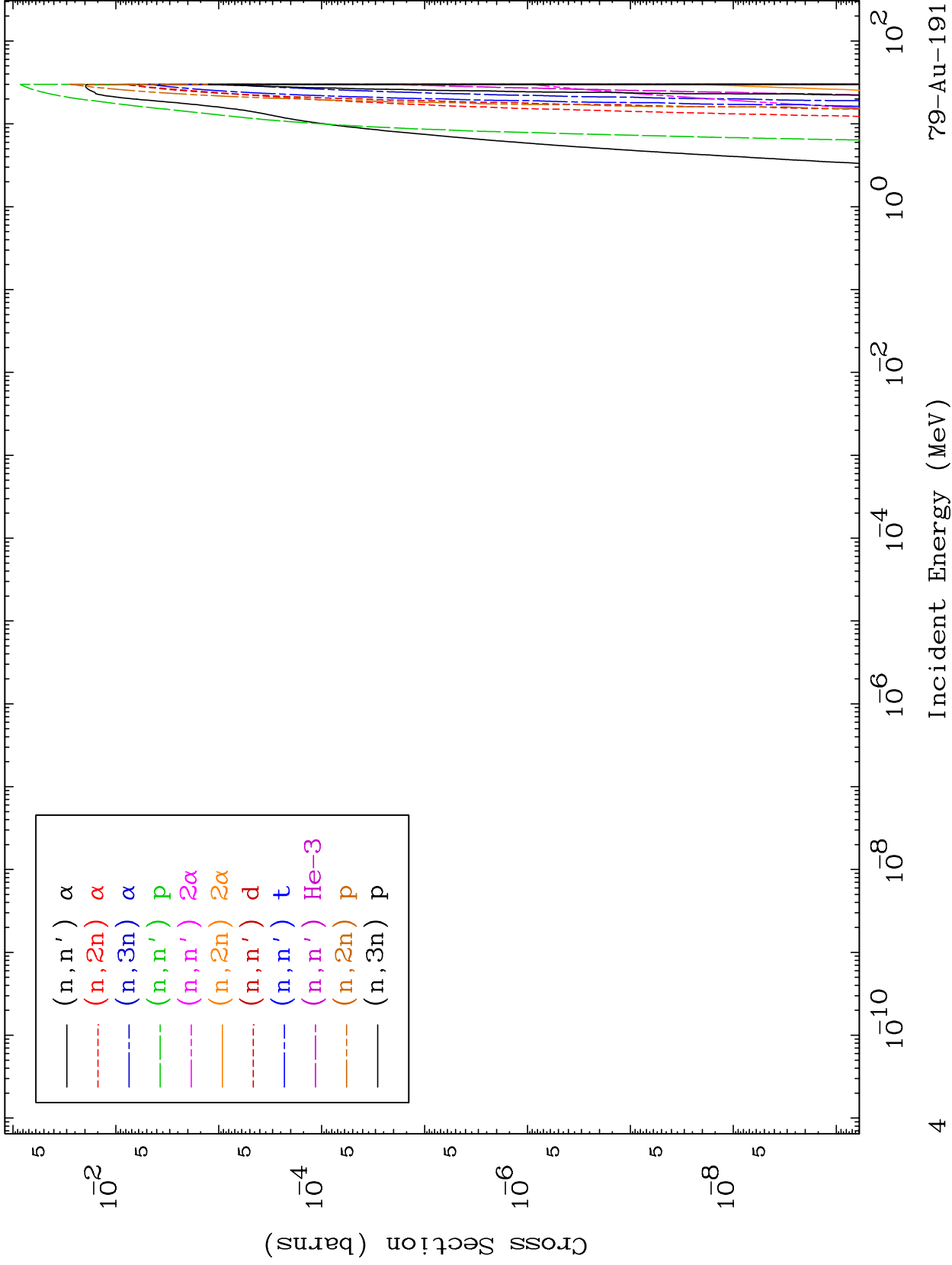




MAT 7907

Charged Particle  
293 Kelvin Cross Sections

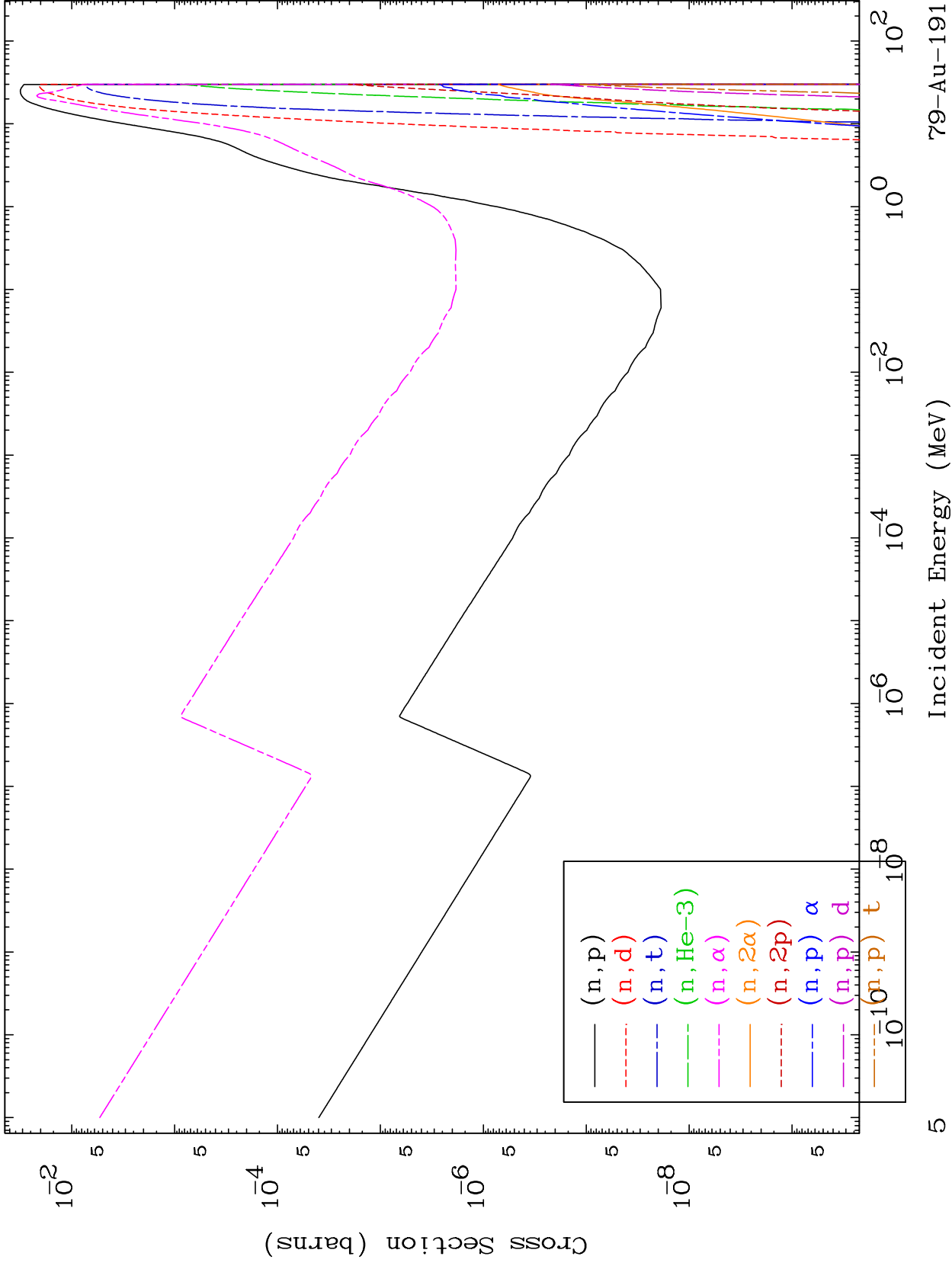
79-Au-191

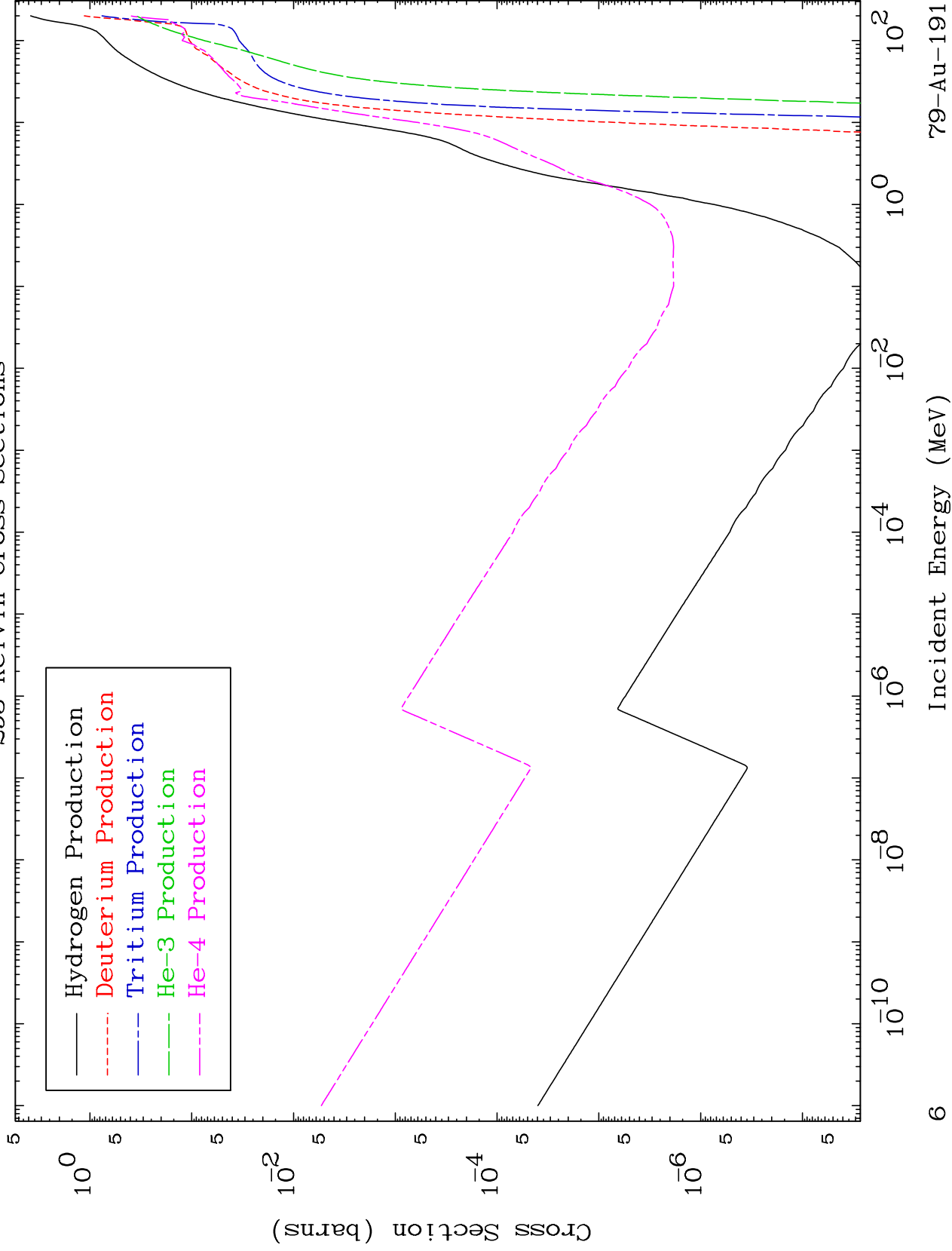


MAT 7907

Charged Particle  
293 Kelvin Cross Sections

79-Au-191

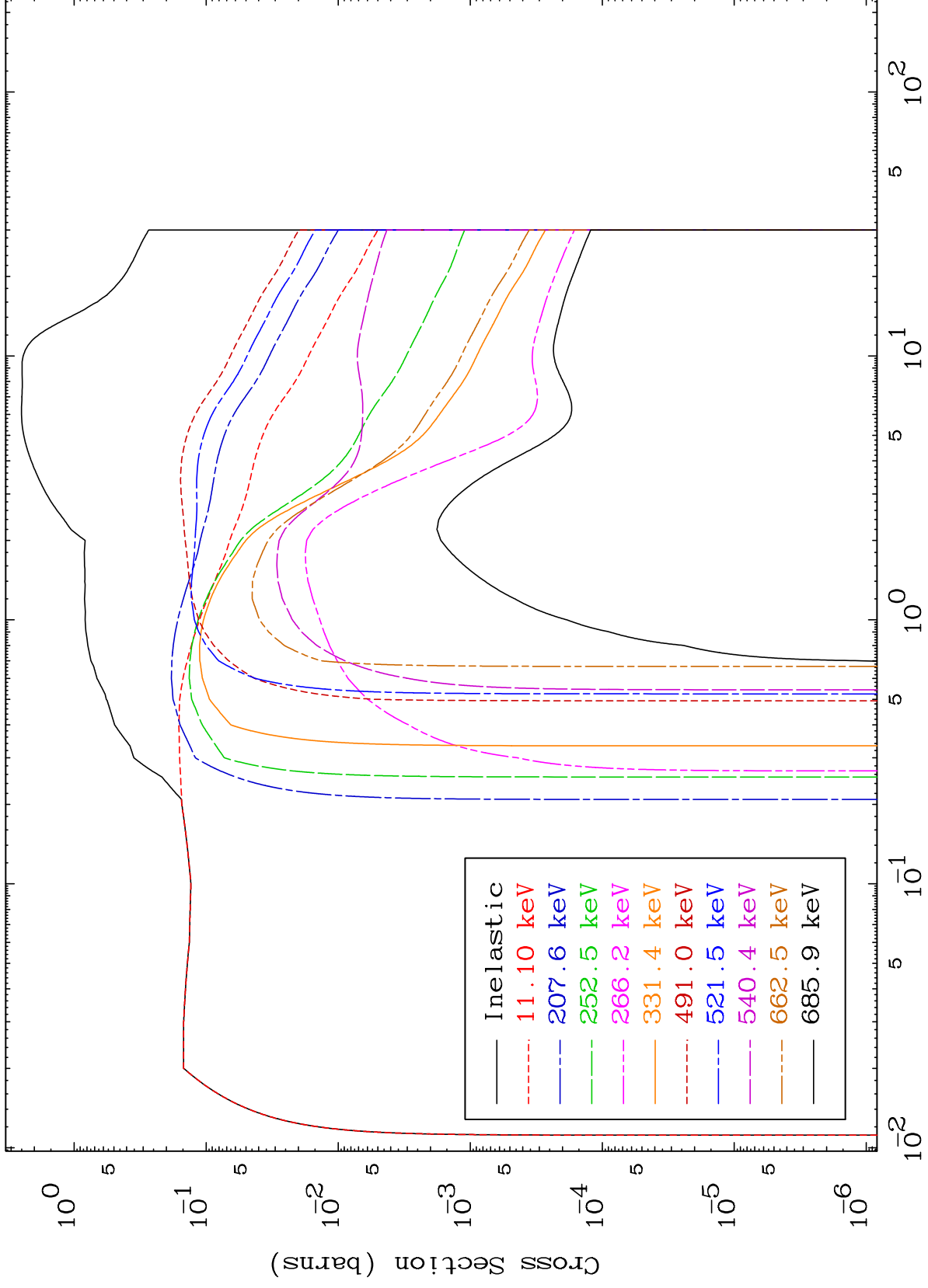




MAT 7907

(n,n') Level  
293 Kelvin Cross Sections

79-Au-191



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Incident Energy (MeV)

79-Au-191

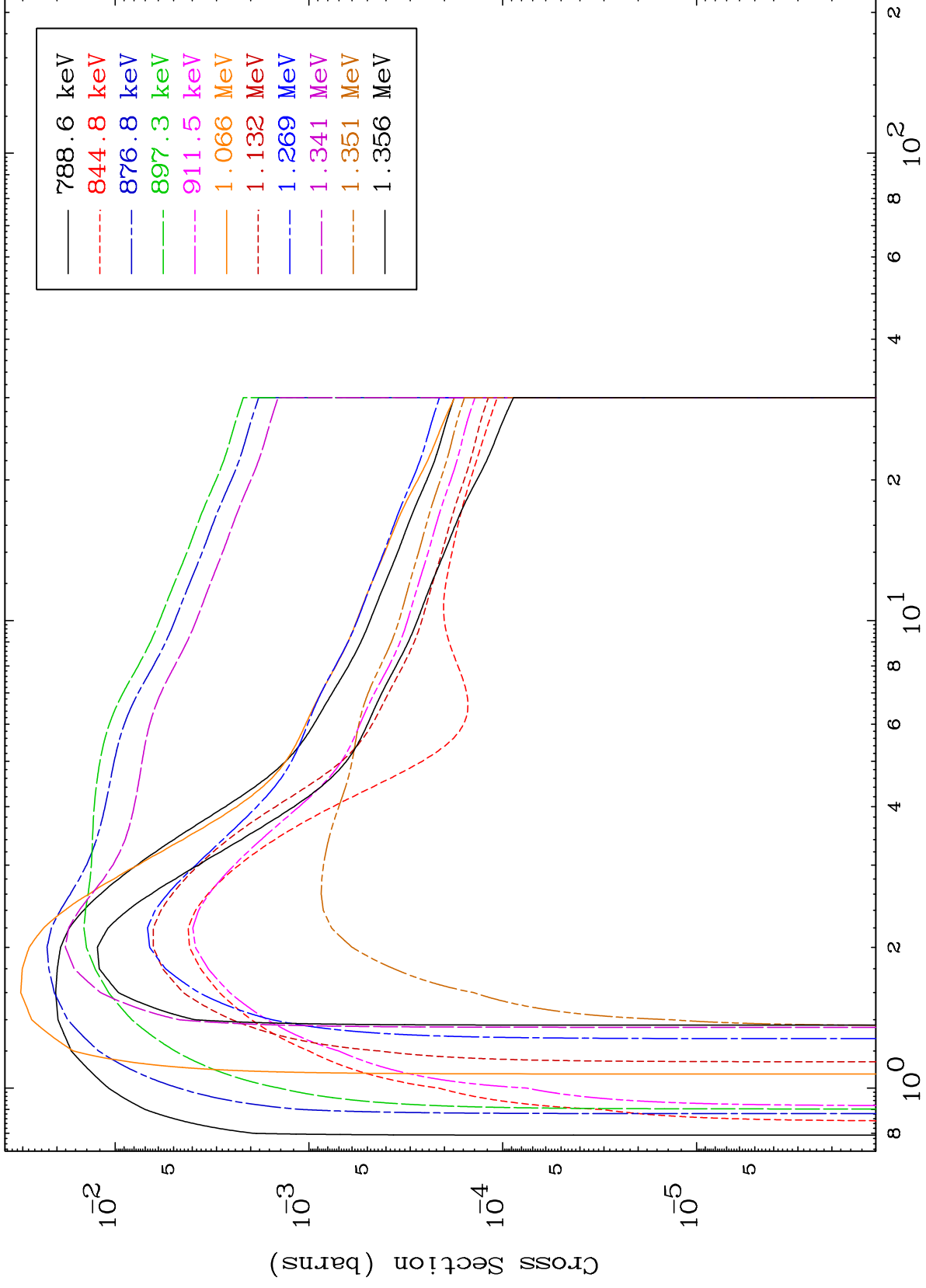


MAT 7907

(n,n') Level

79-Au-191

293 Kelvin Cross Sections



8

Incident Energy (MeV)

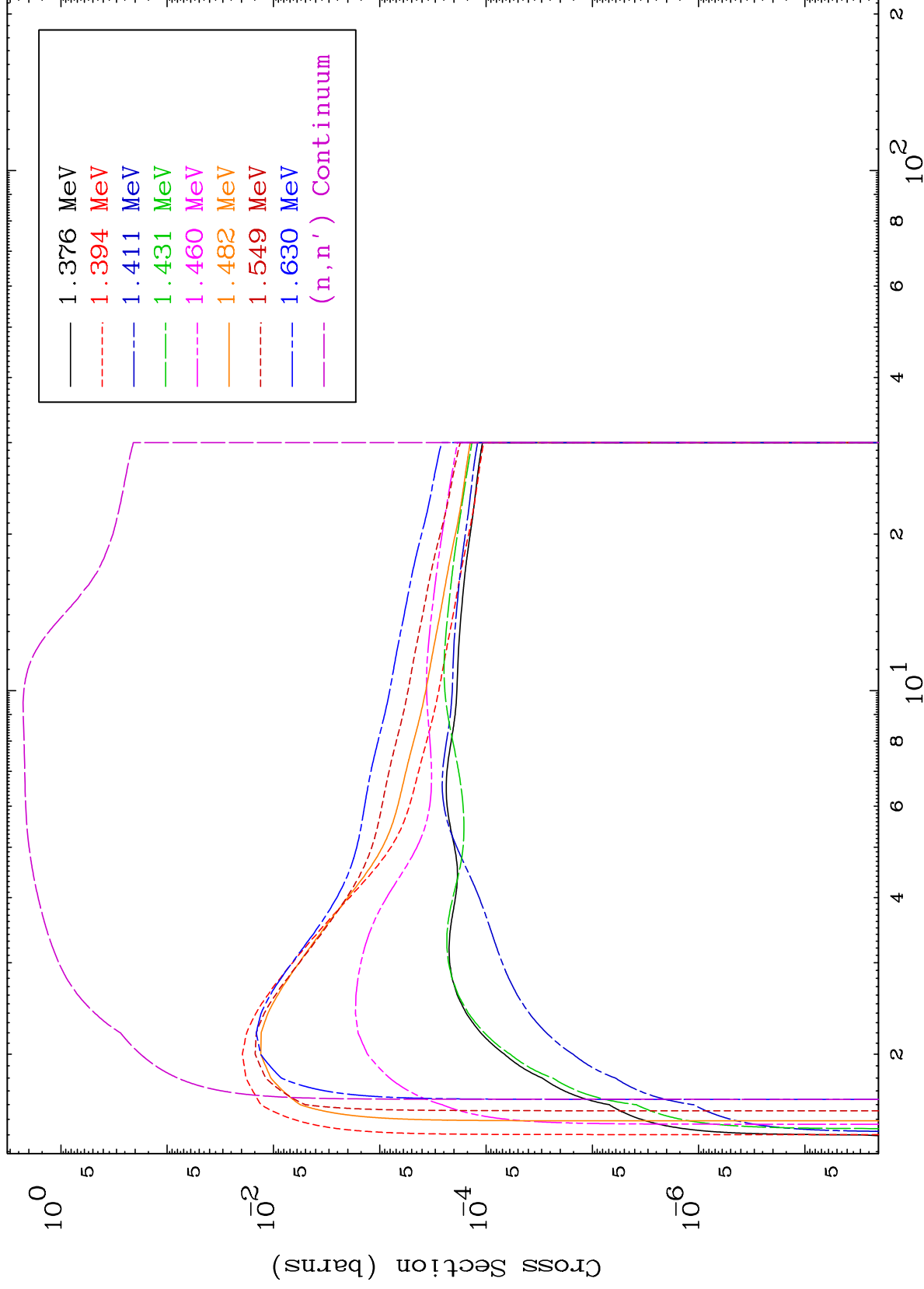
79-Au-191

MAT 7907

(n,n') Level

293 Kelvin Cross Sections

79-Au-191



9

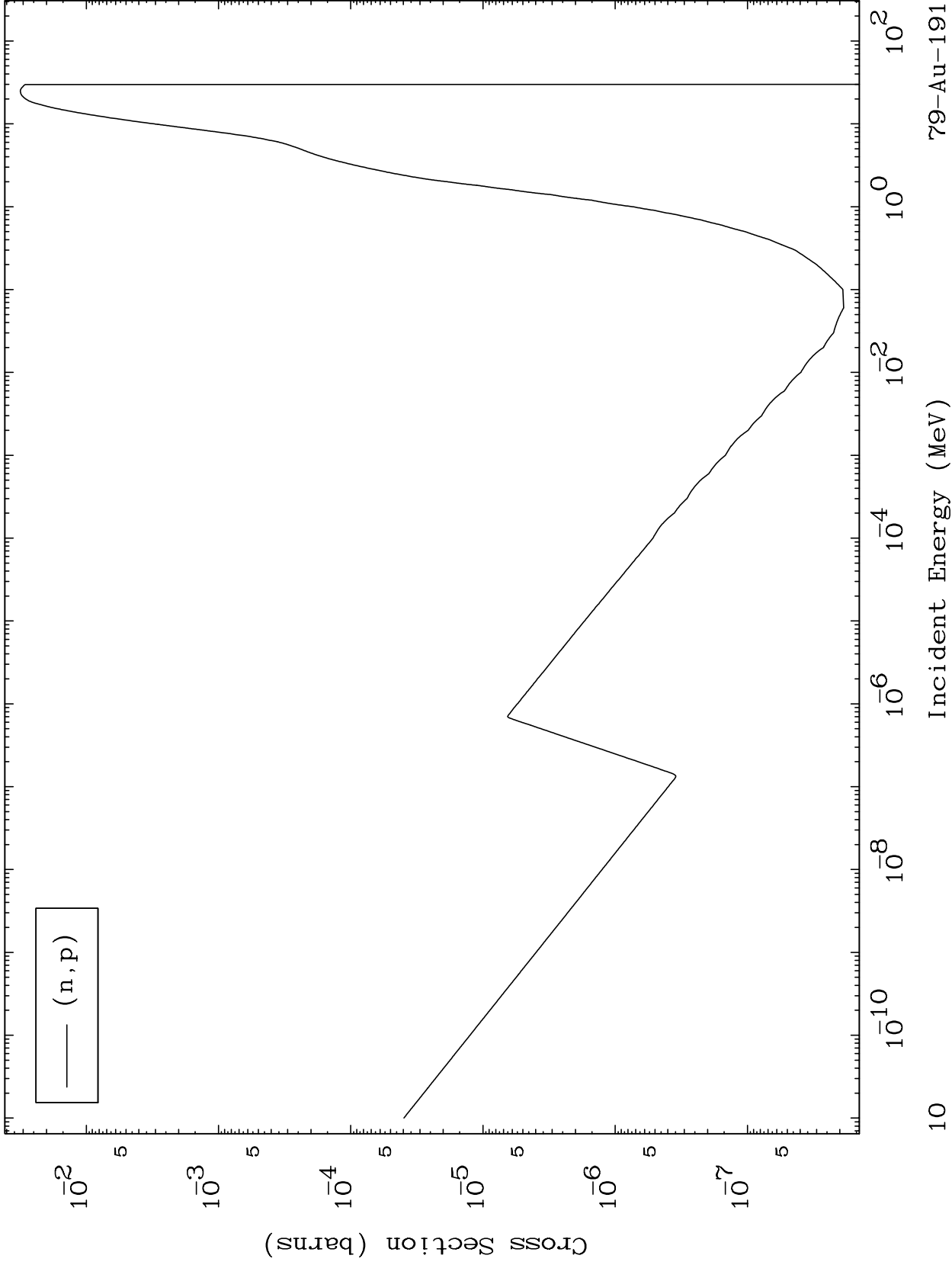
Incident Energy (MeV)

79-Au-191

MAT 7907

(n,p) Levels  
293 Kelvin Cross Sections

79-Au-191



10

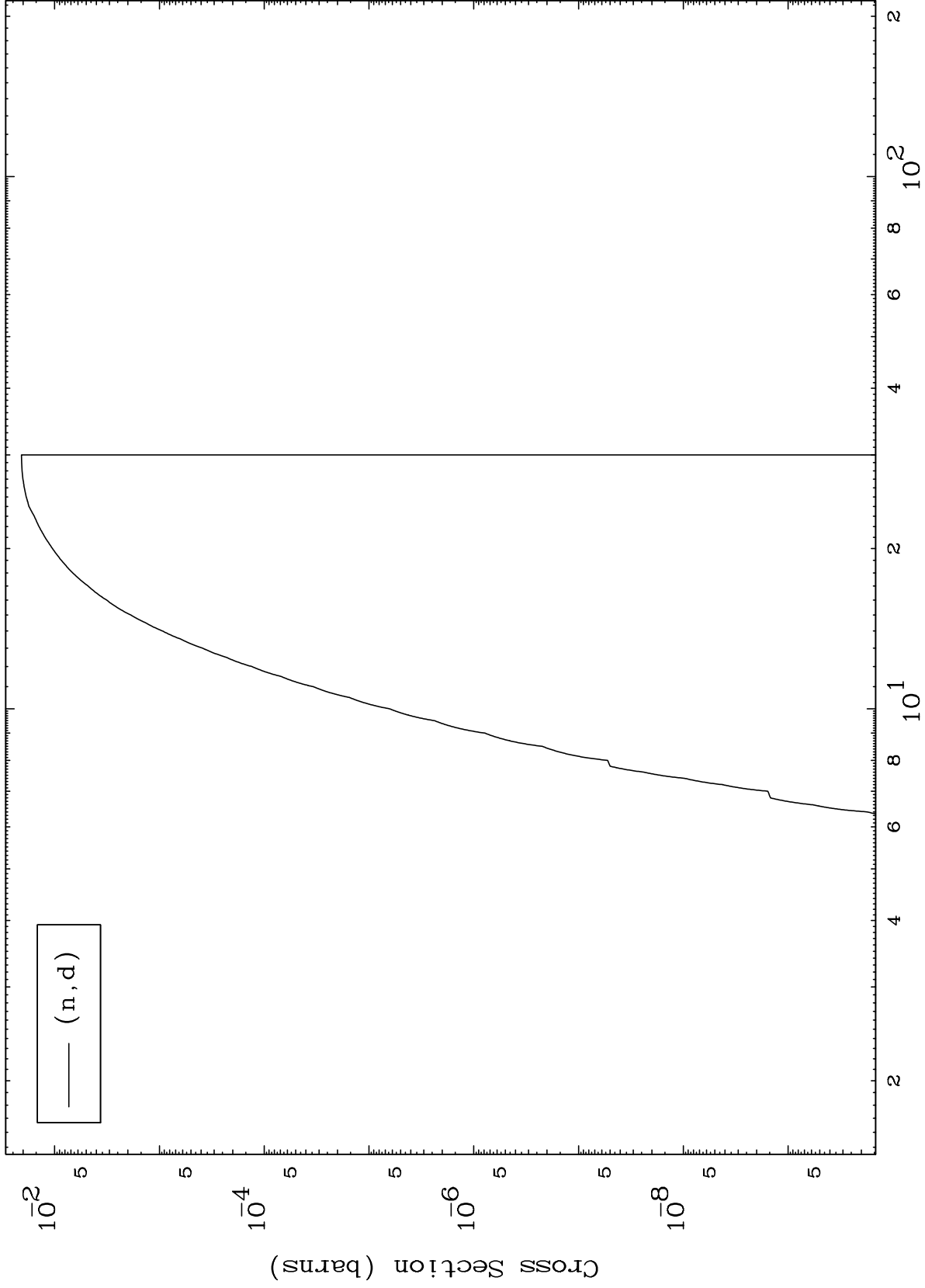
Incident Energy (MeV)

79-Au-191

MAT 7907

(n,d) Levels  
293 Kelvin Cross Sections

79-Au-191



11

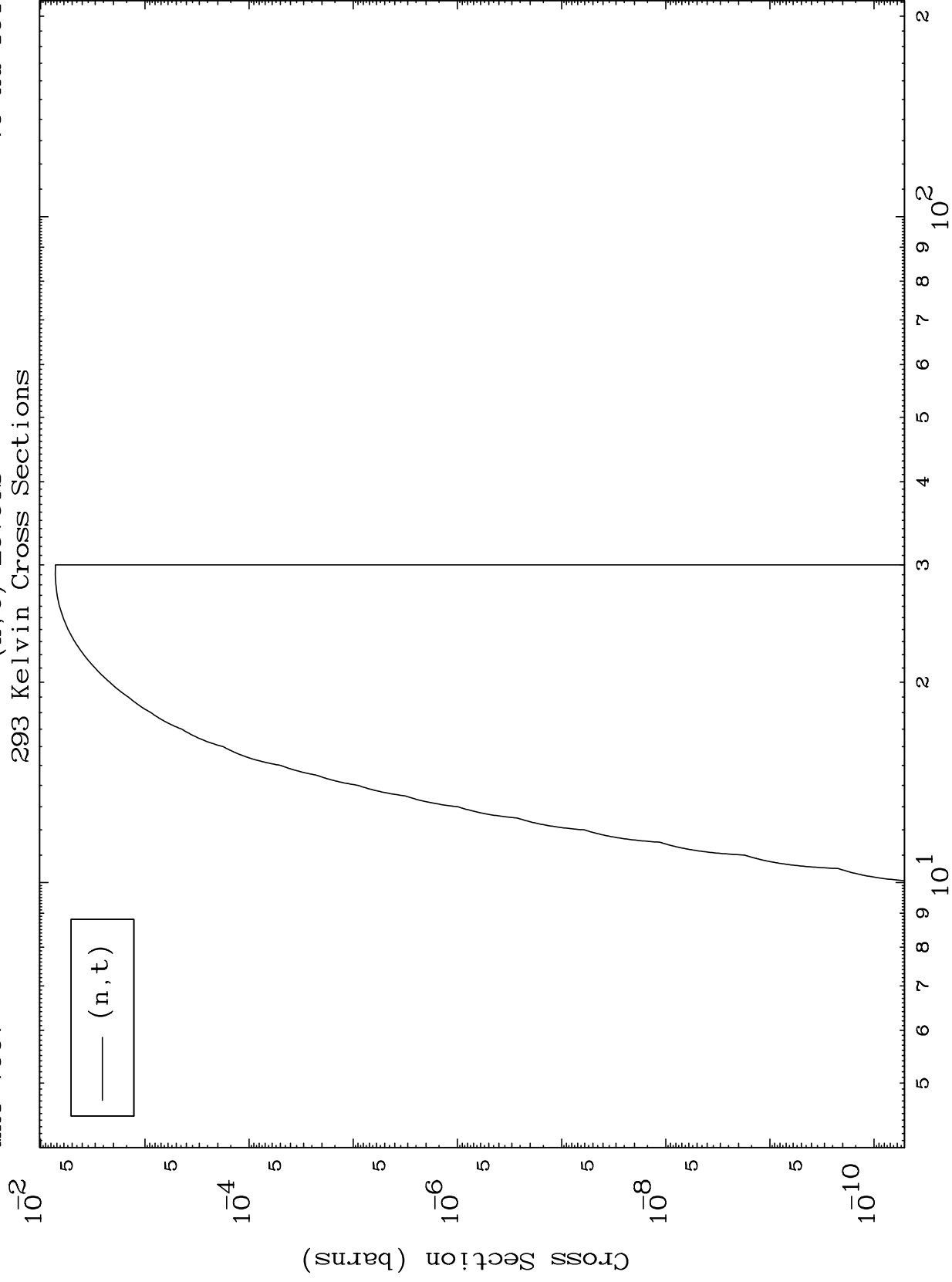
Incident Energy (MeV)

79-Au-191

MAT 7907

(n,t) Levels  
293 Kelvin Cross Sections

79-Au-191



12

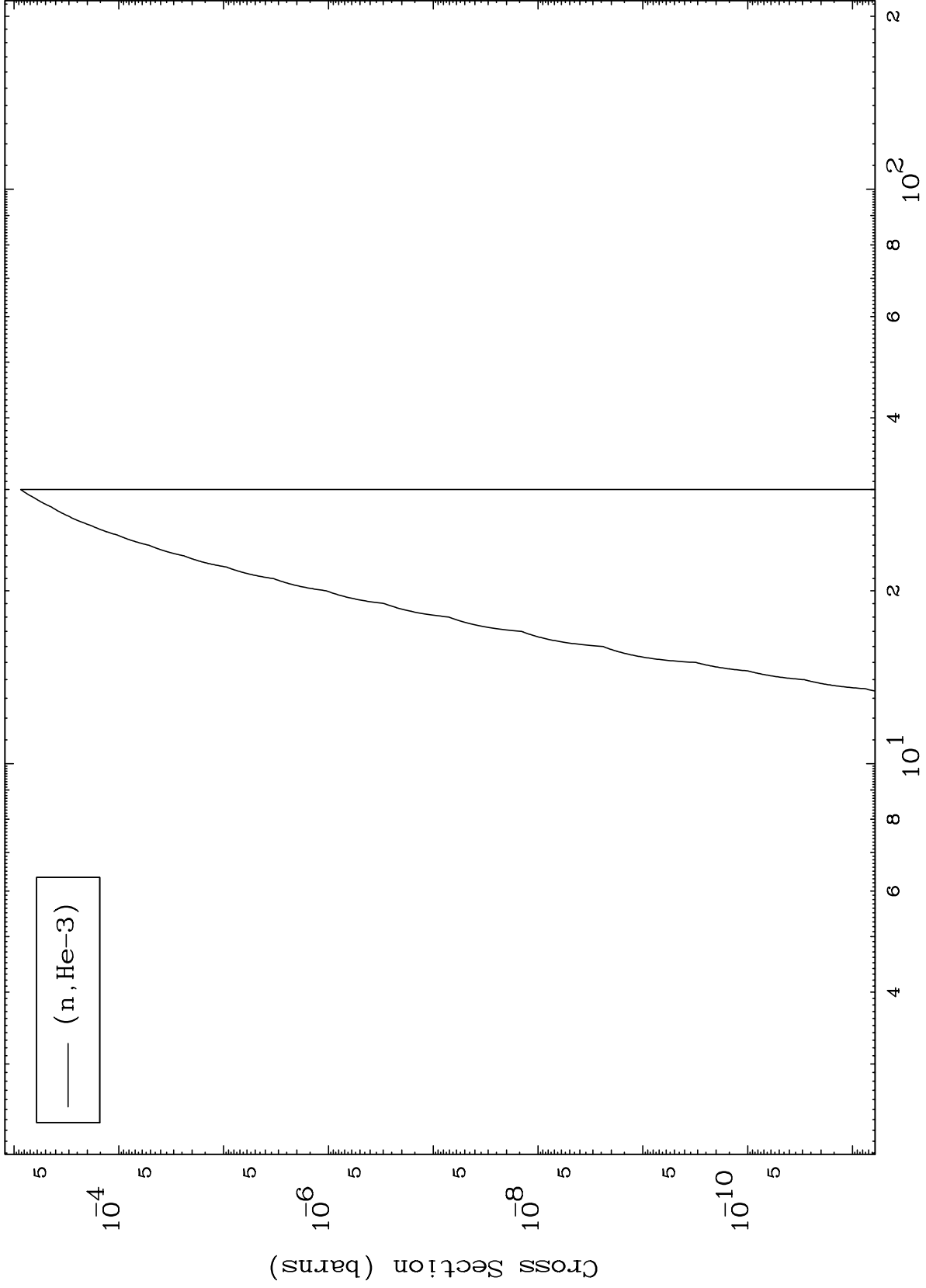
Incident Energy (MeV)

79-Au-191

MAT 7907

(n,He3) Levels  
293 Kelvin Cross Sections

79-Au-191



13

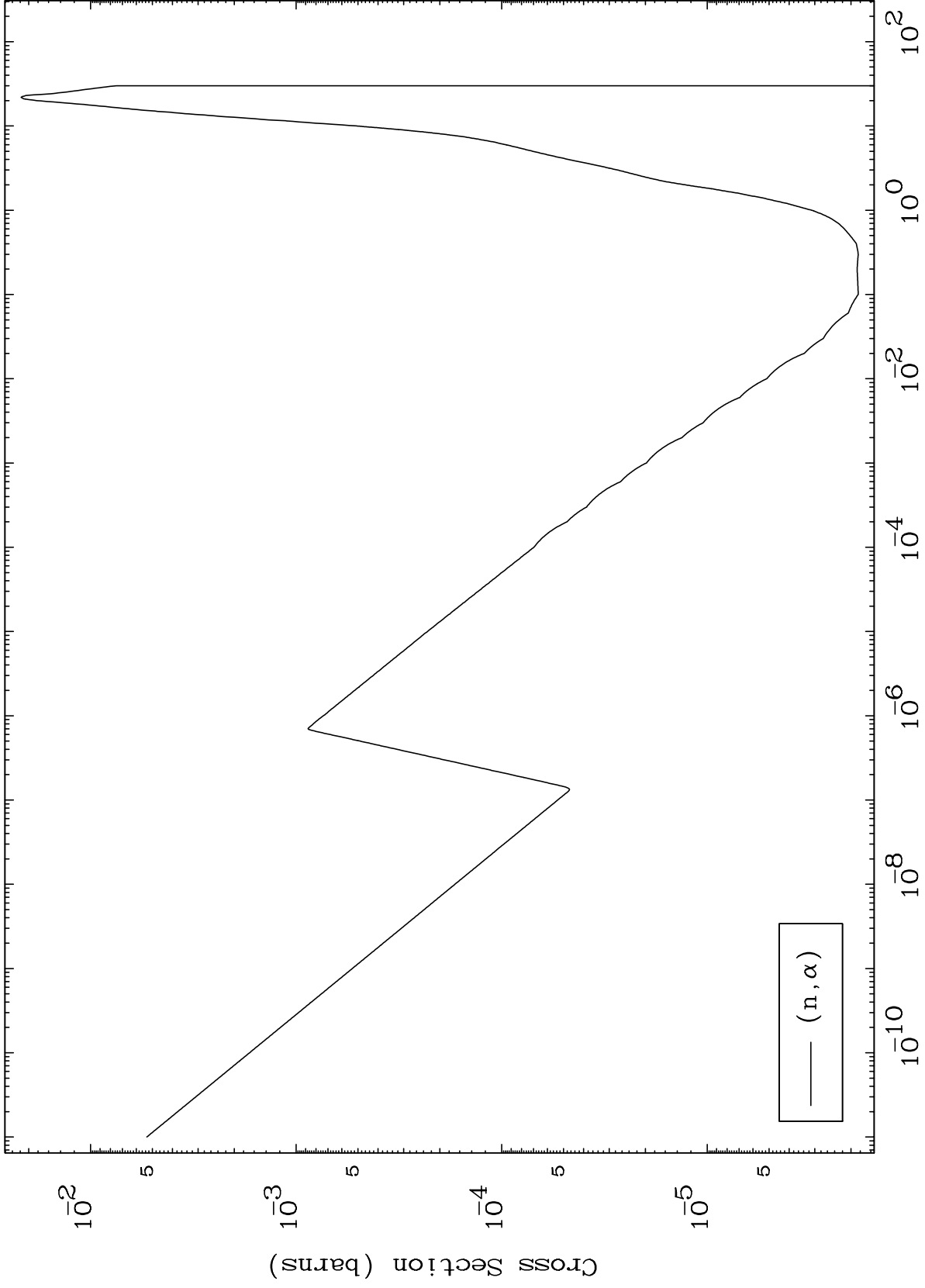
Incident Energy (MeV)

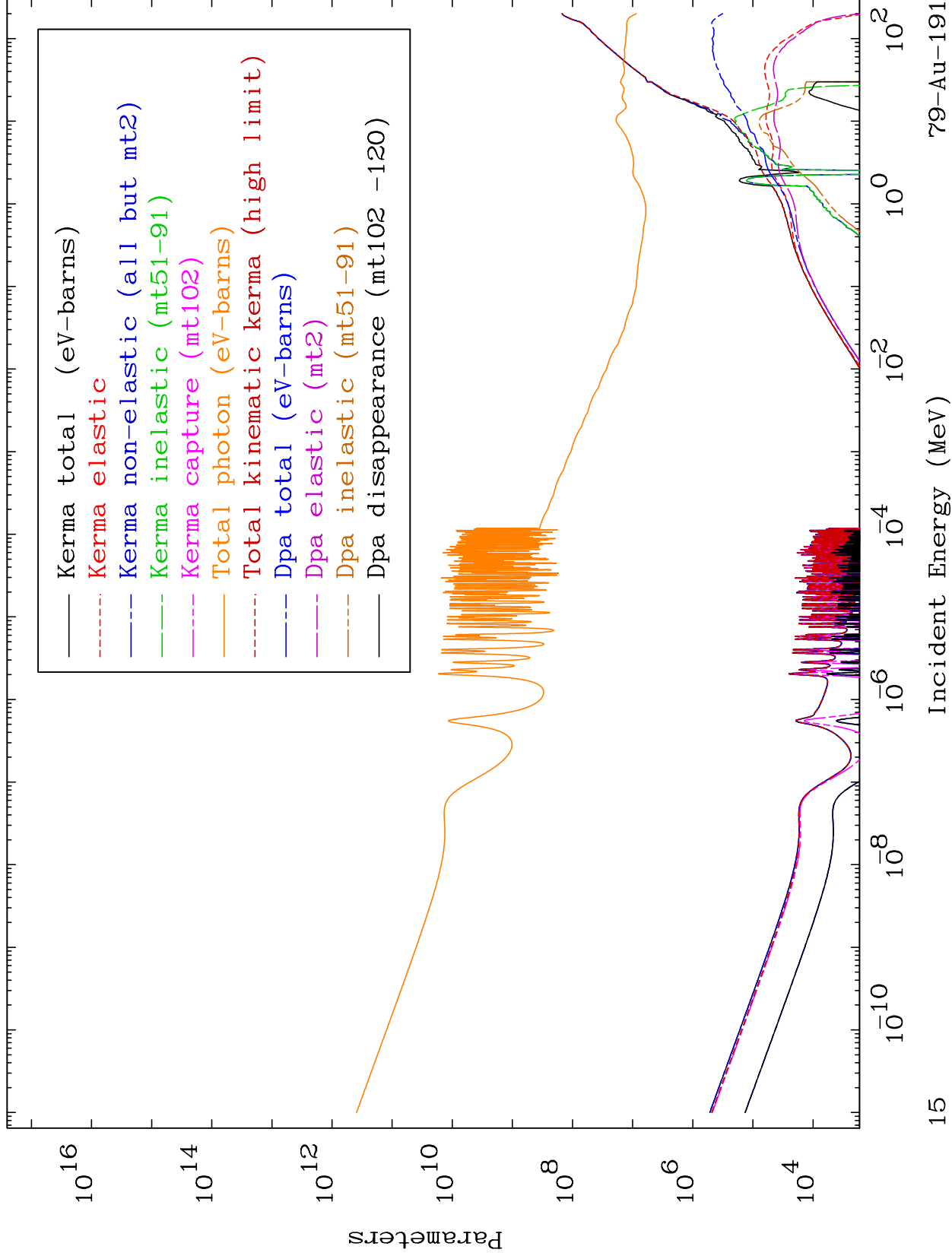
79-Au-191

MAT 7907

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

79-Au-191



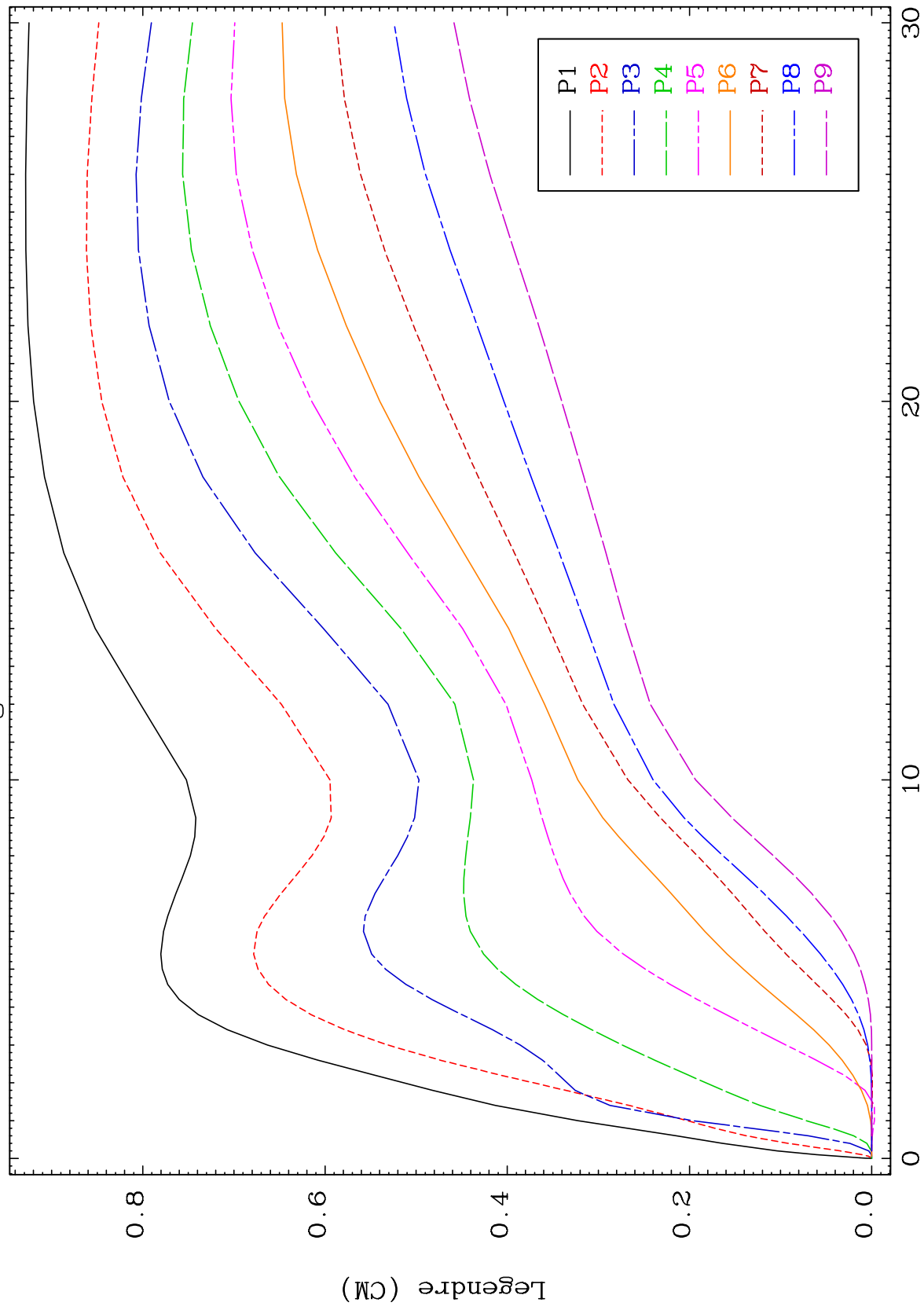




MAT 7907

79-Au-191

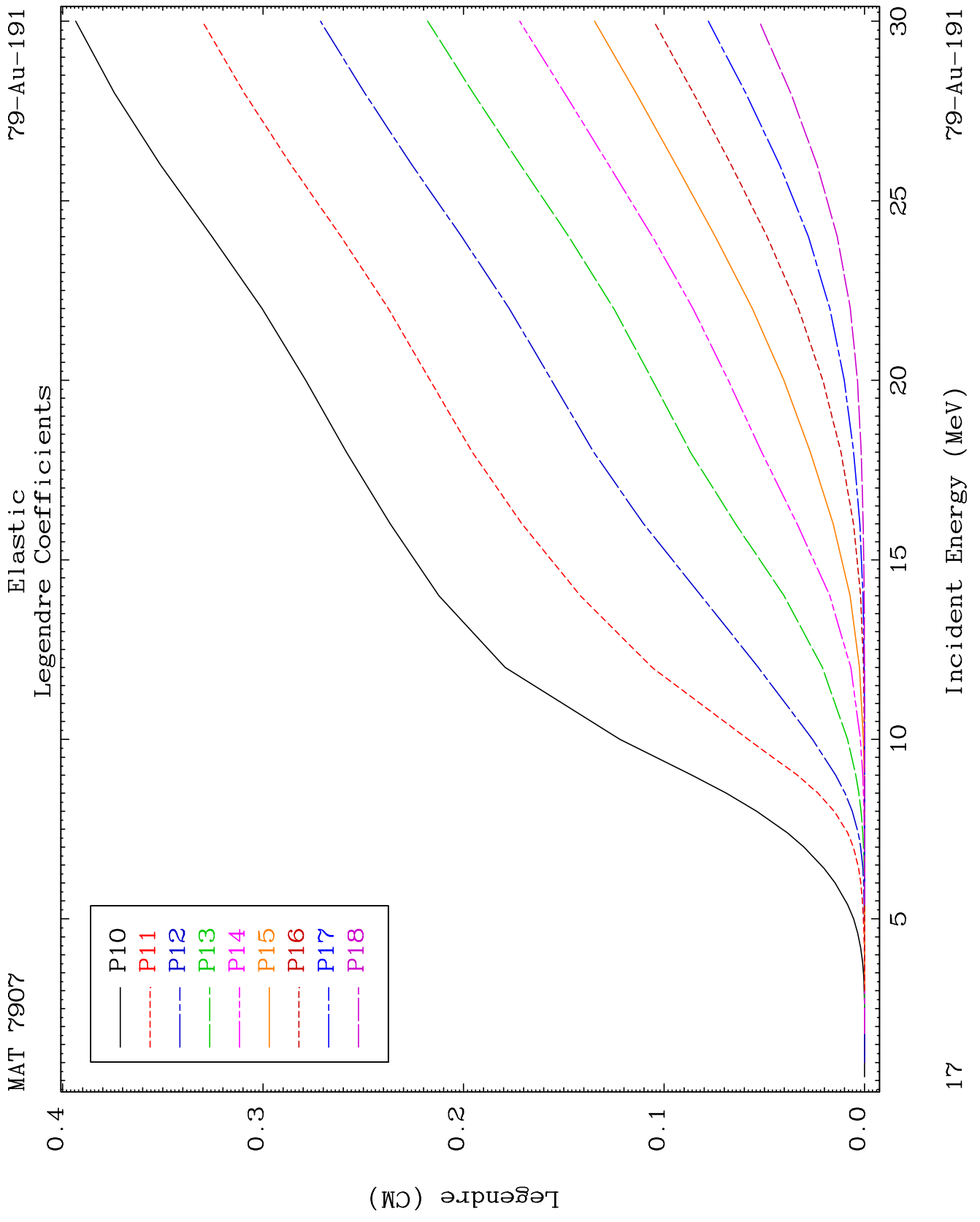
Elastic Legendre Coefficients



79-Au-191

Incident Energy (MeV)

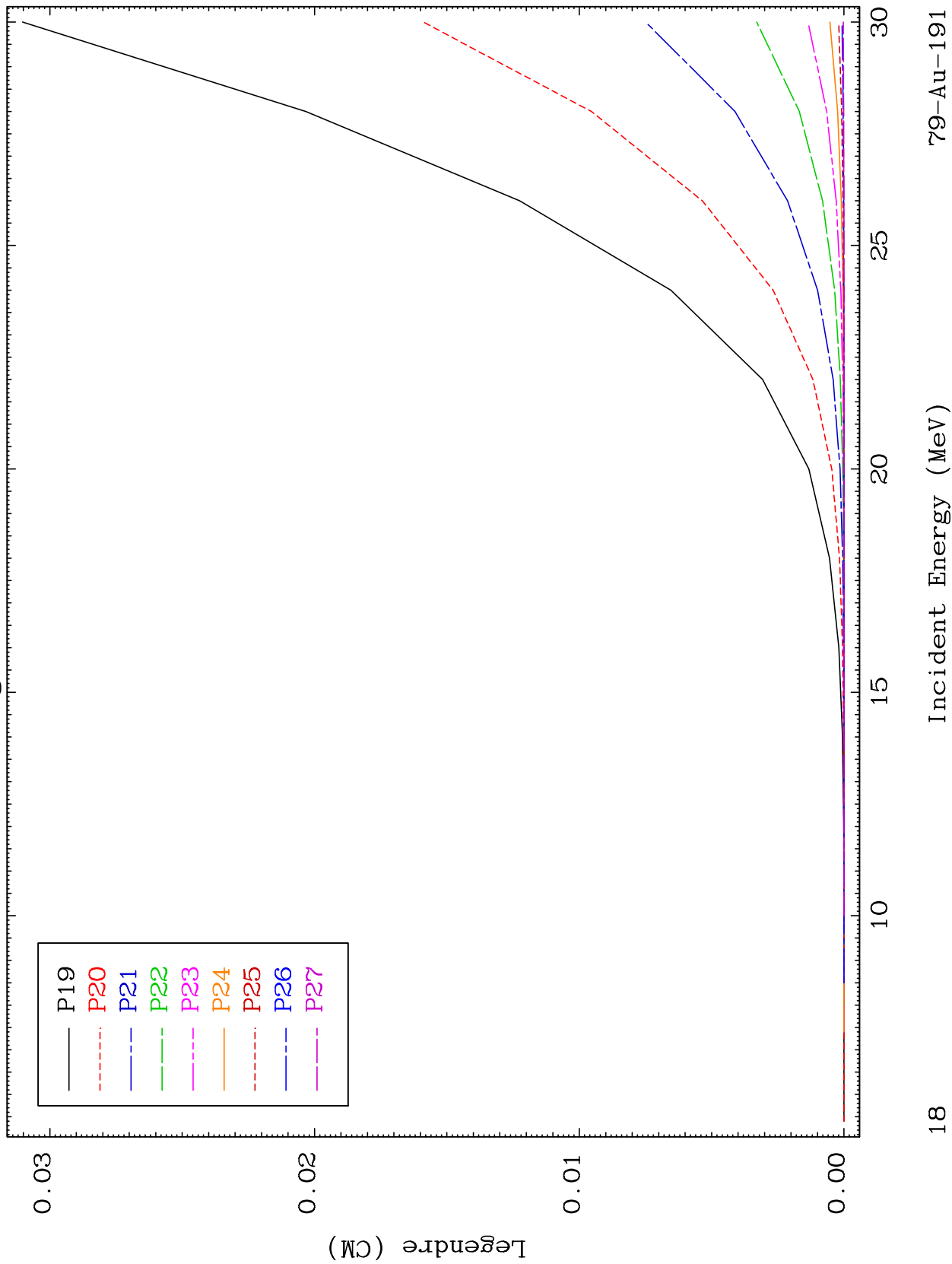
16



MAT 7907

### Elastic Legendre Coefficients

79-Au-191



79-Au-191

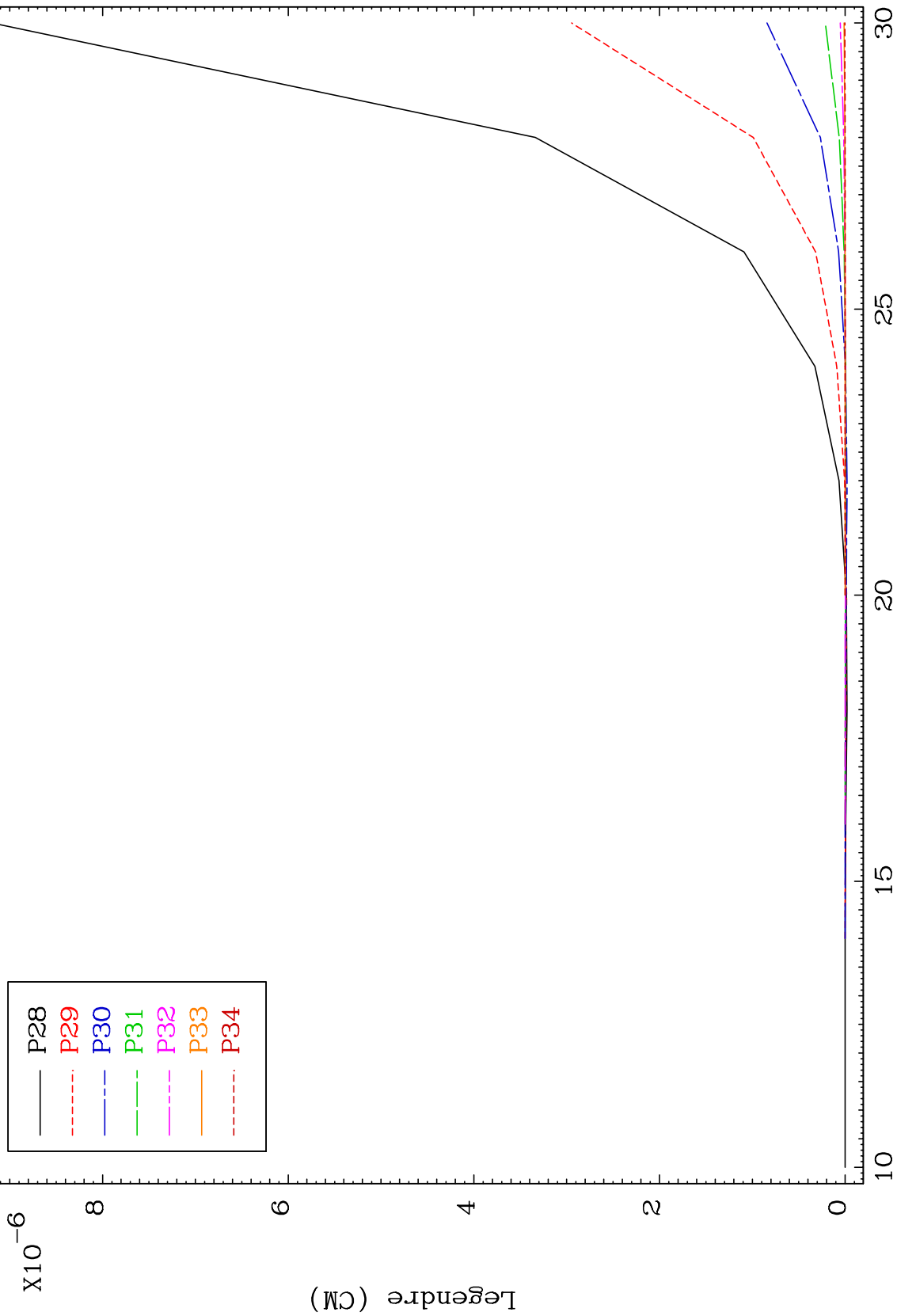
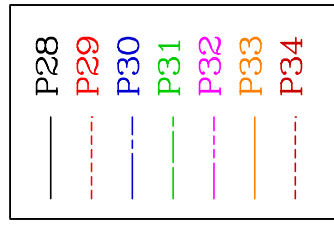
Incident Energy (MeV)

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MAT 7907

Elastic  
Legendre Coefficients

79-Au-191



10

15

20

25

30

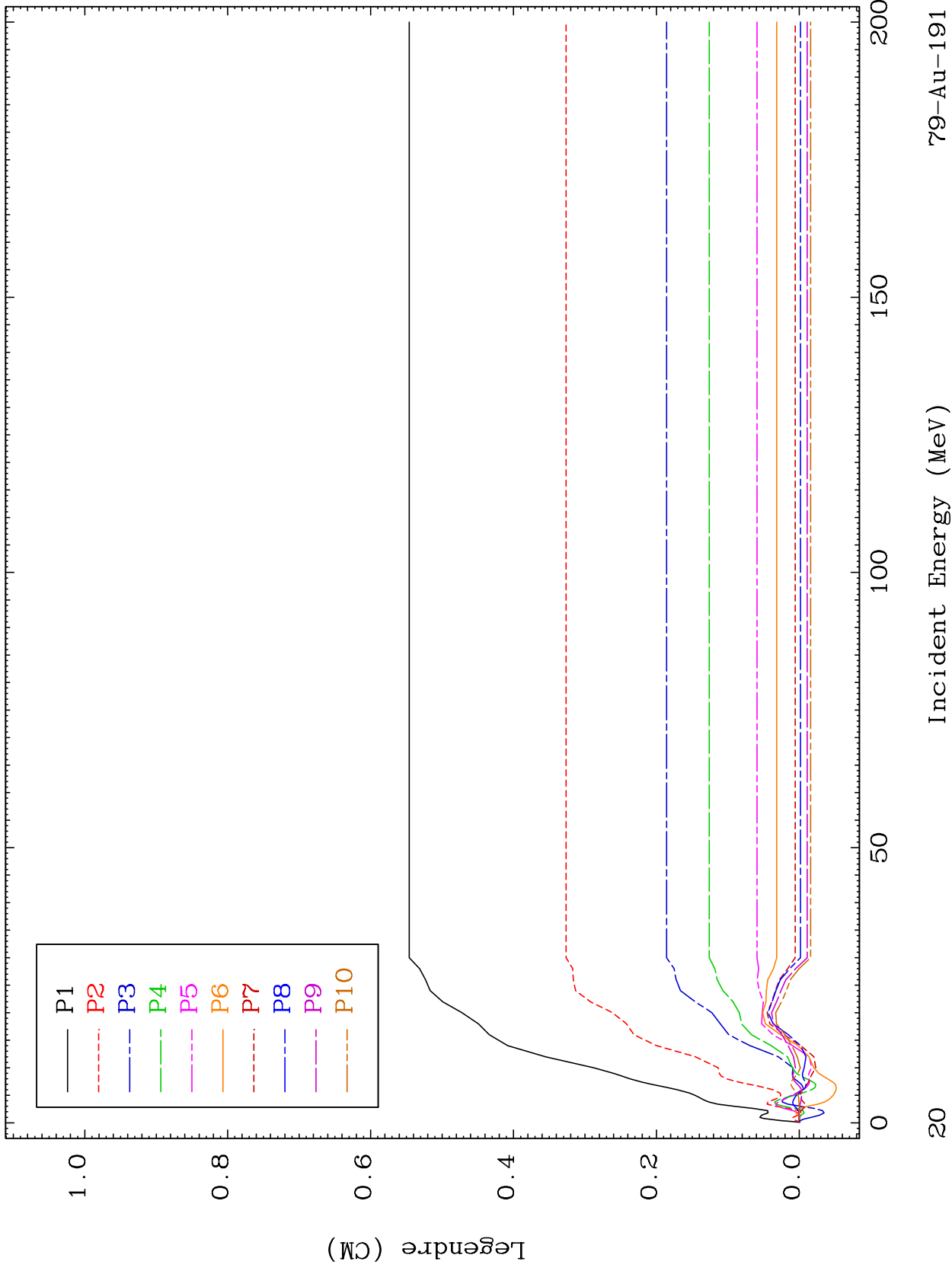
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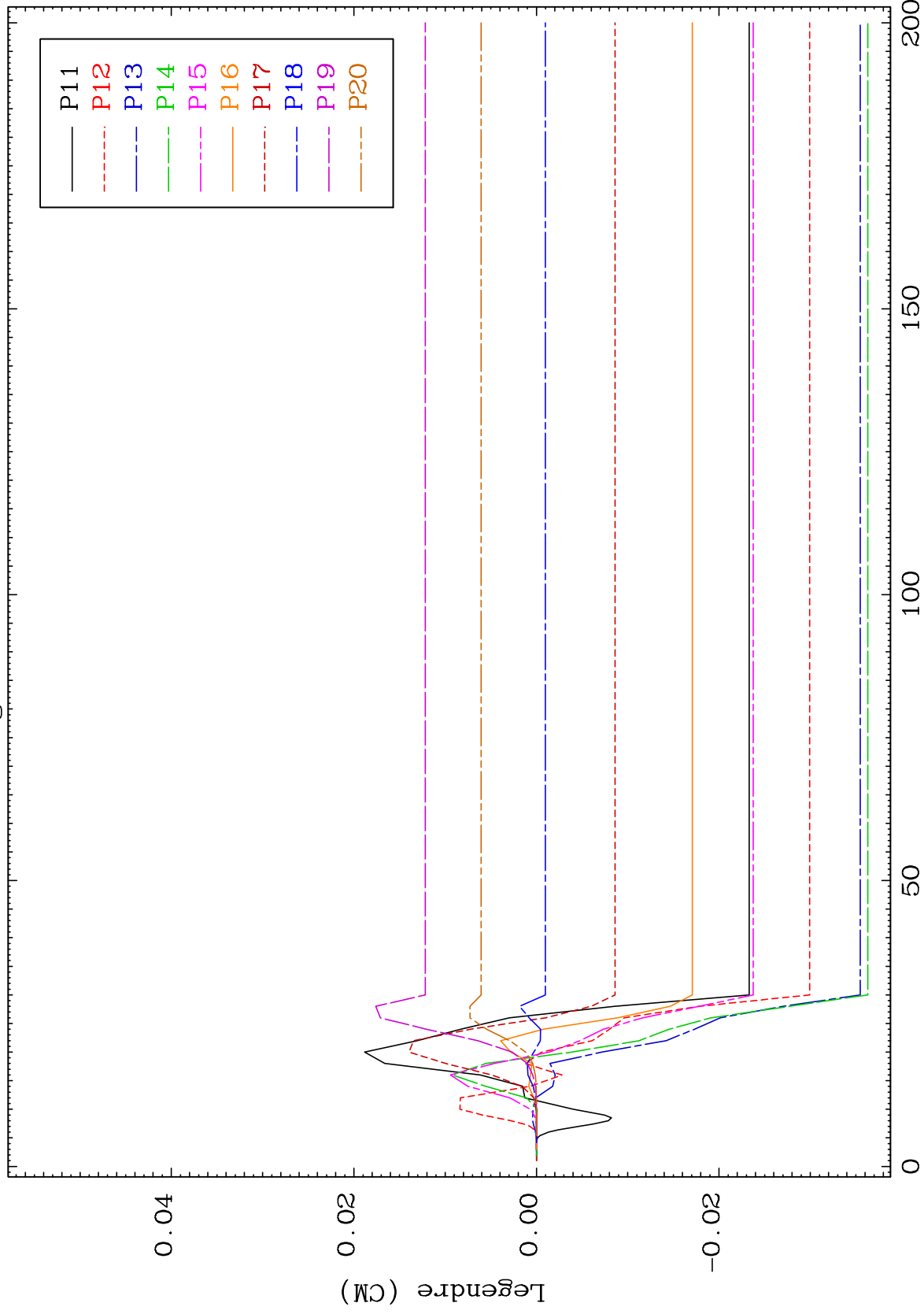
Incident Energy (MeV)

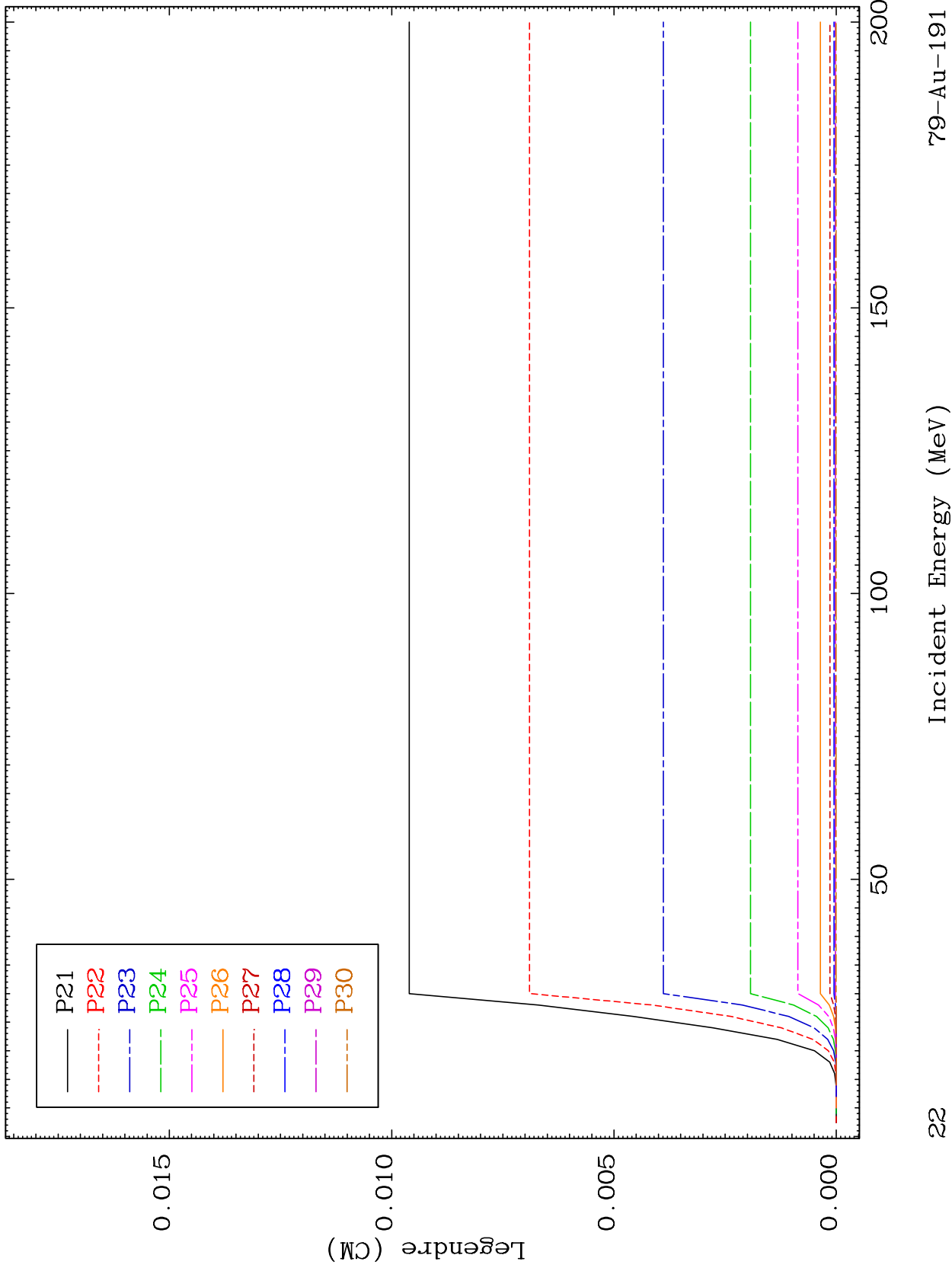
MAT 7907

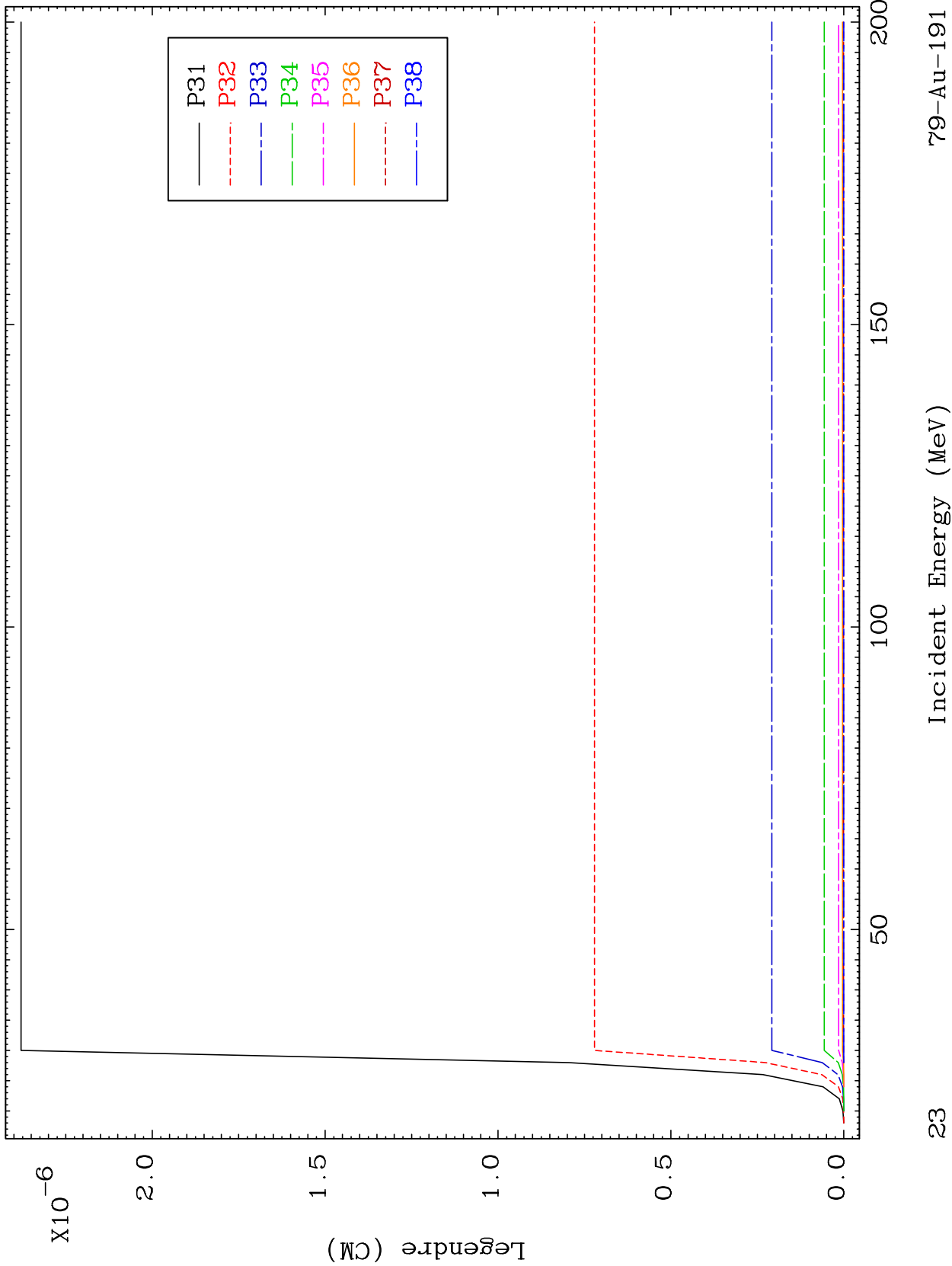
11.10 keV (n,n') Level  
Legendre Coefficients

79-Au-191









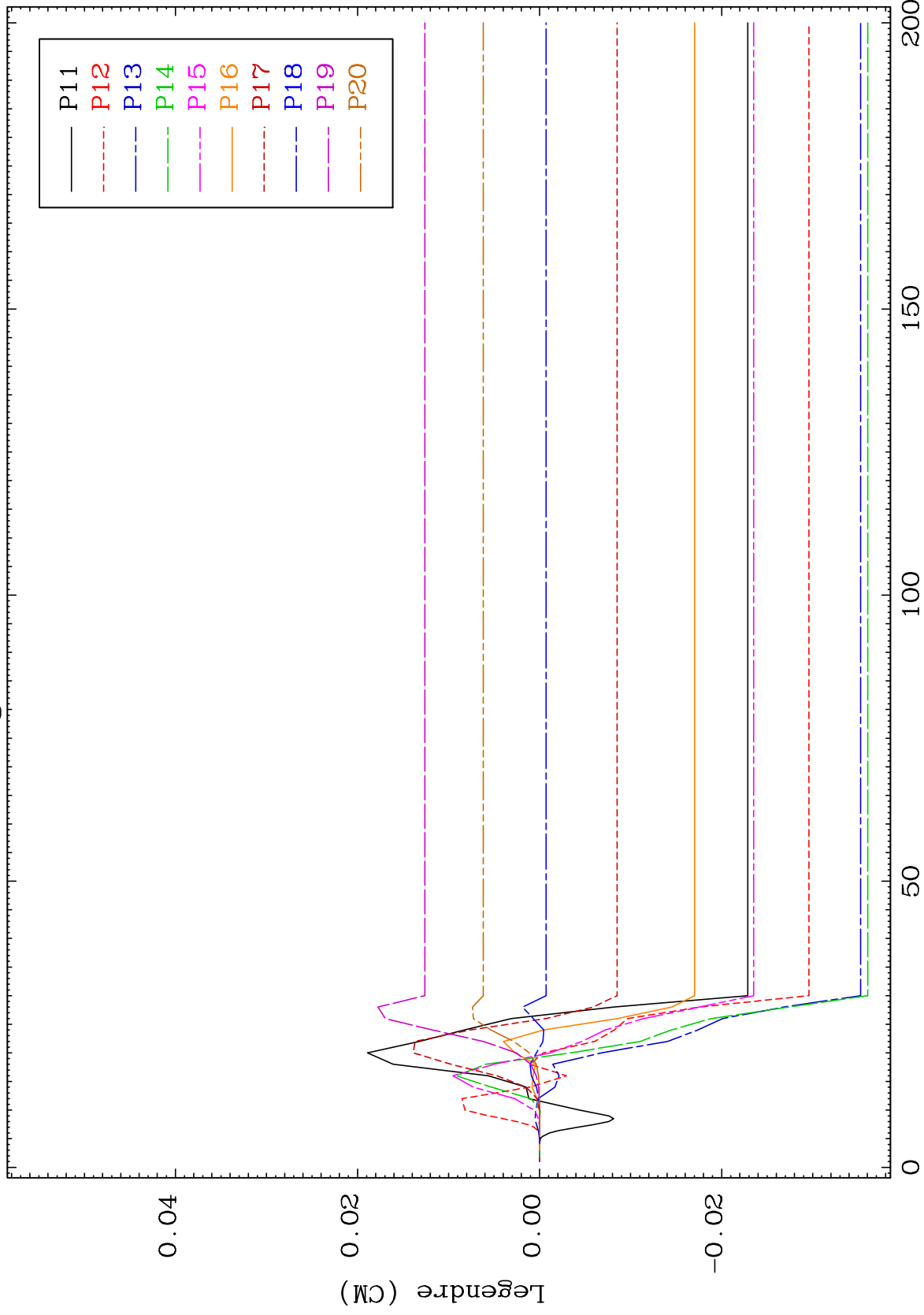




MAT 7907

207.6 keV (n,n') Level  
Legendre Coefficients

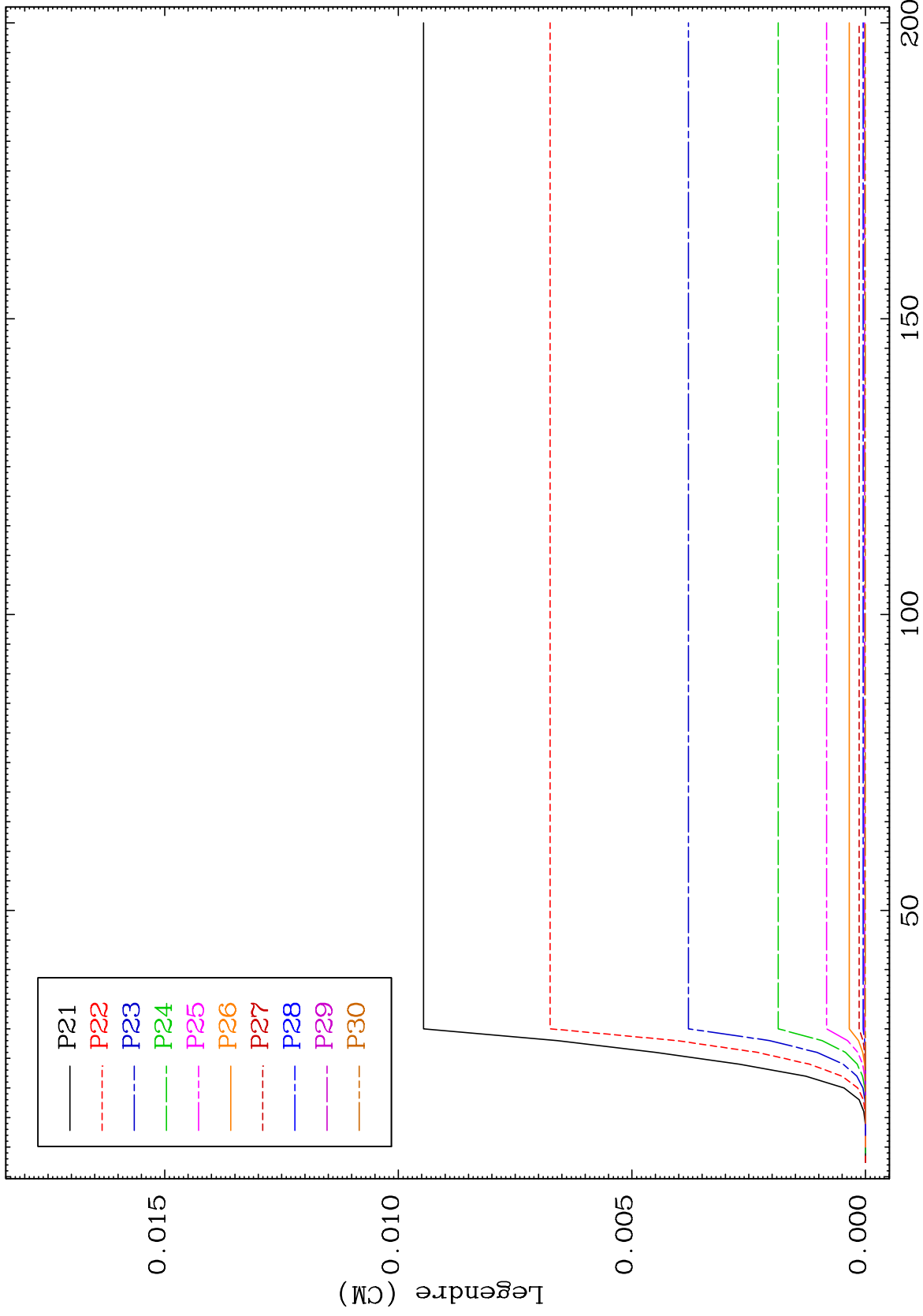
79-Au-191



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Incident Energy (MeV)

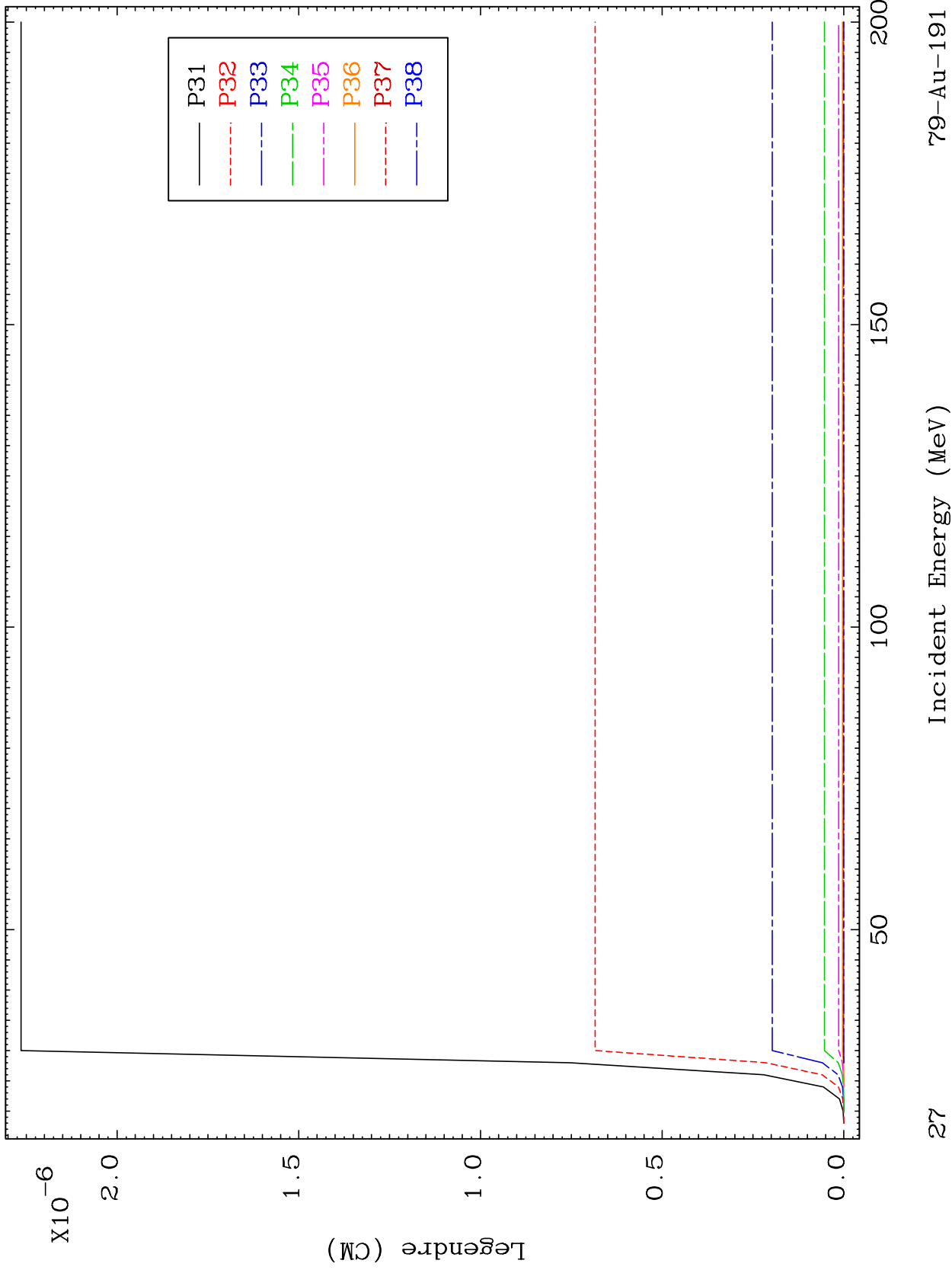
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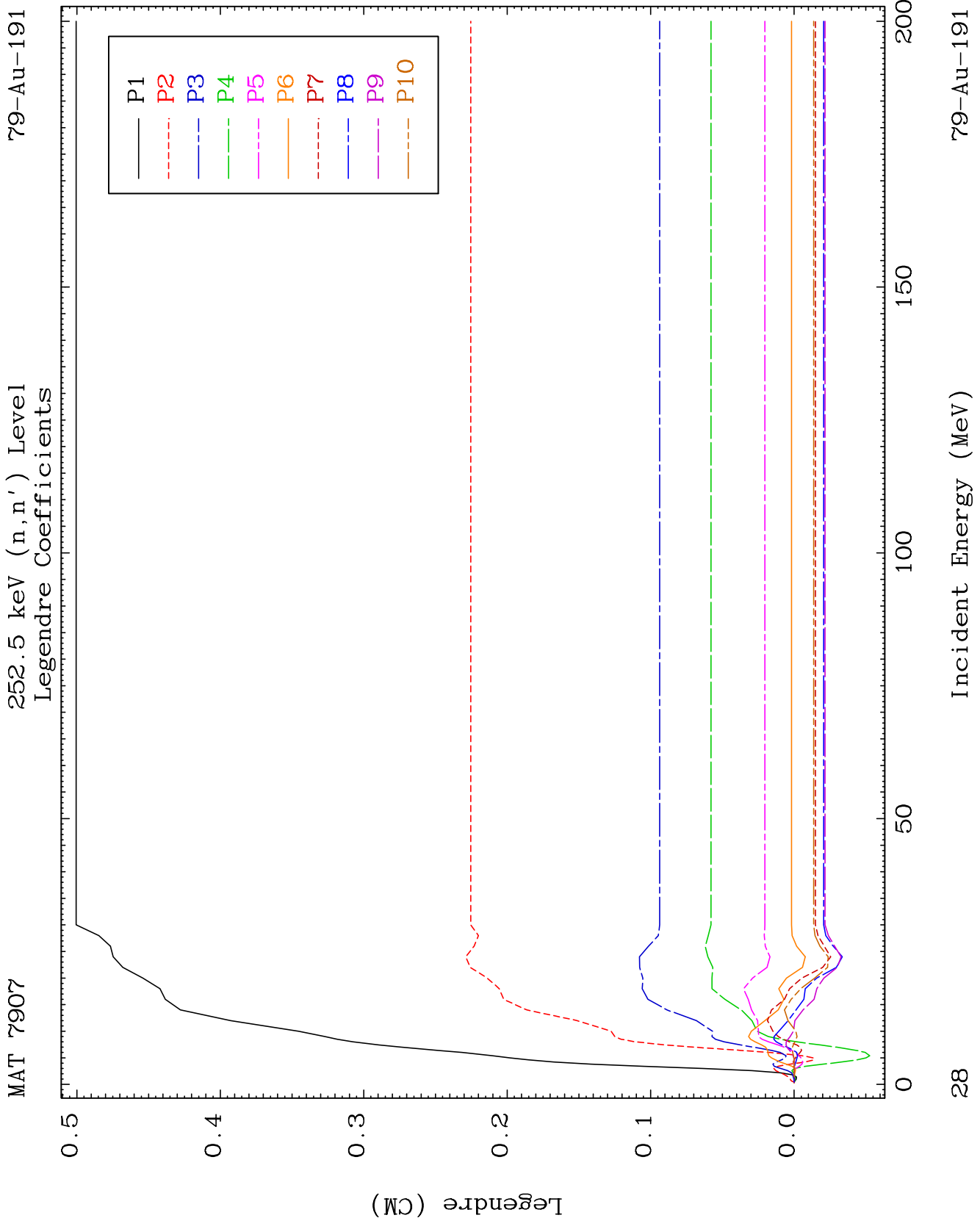


MAT 7907

207.6 keV (n,n') Level  
Legendre Coefficients

79-Au-191

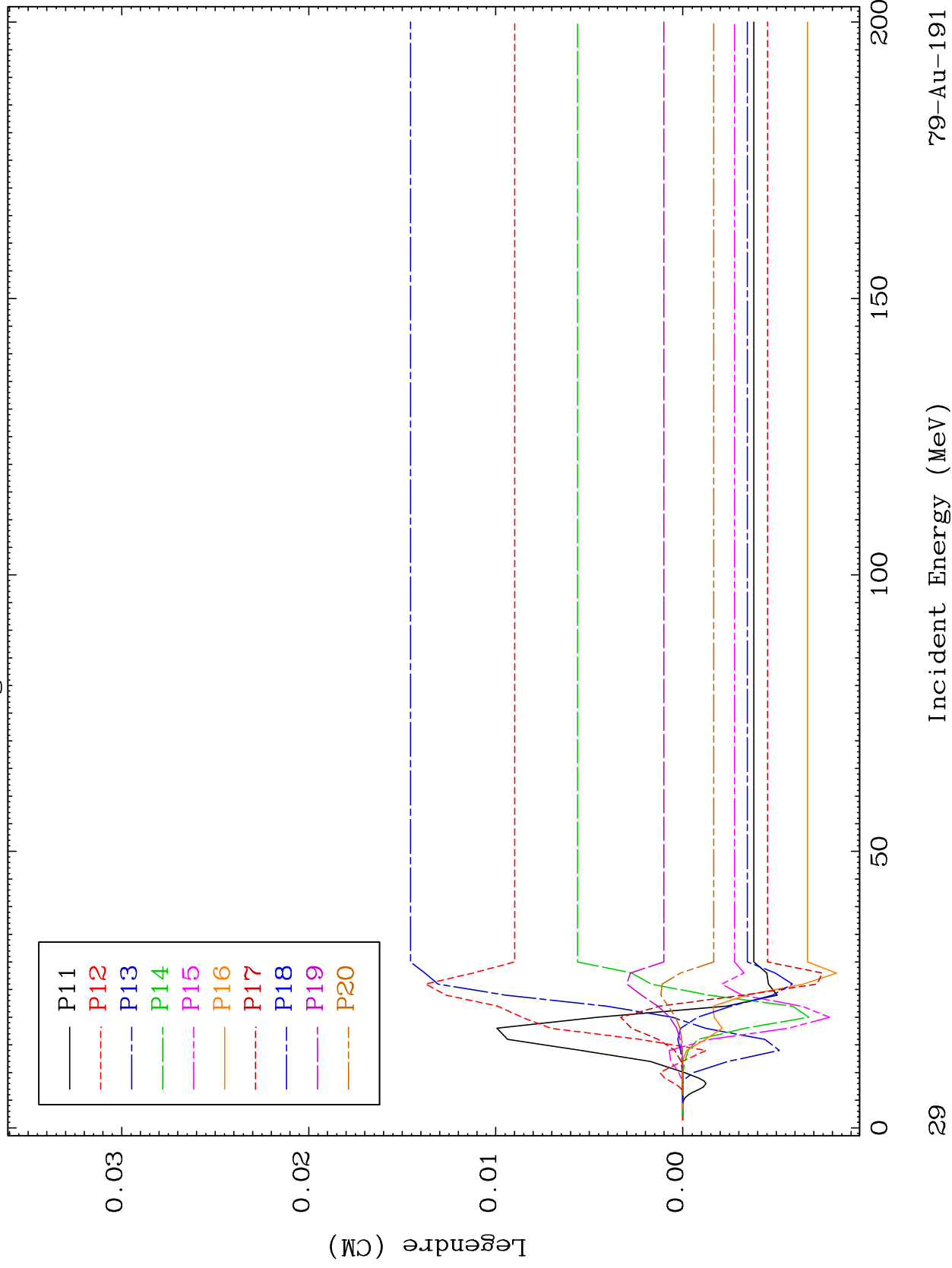




MAT 7907

252.5 keV (n,n') Level  
Legendre Coefficients

79-Au-191



29

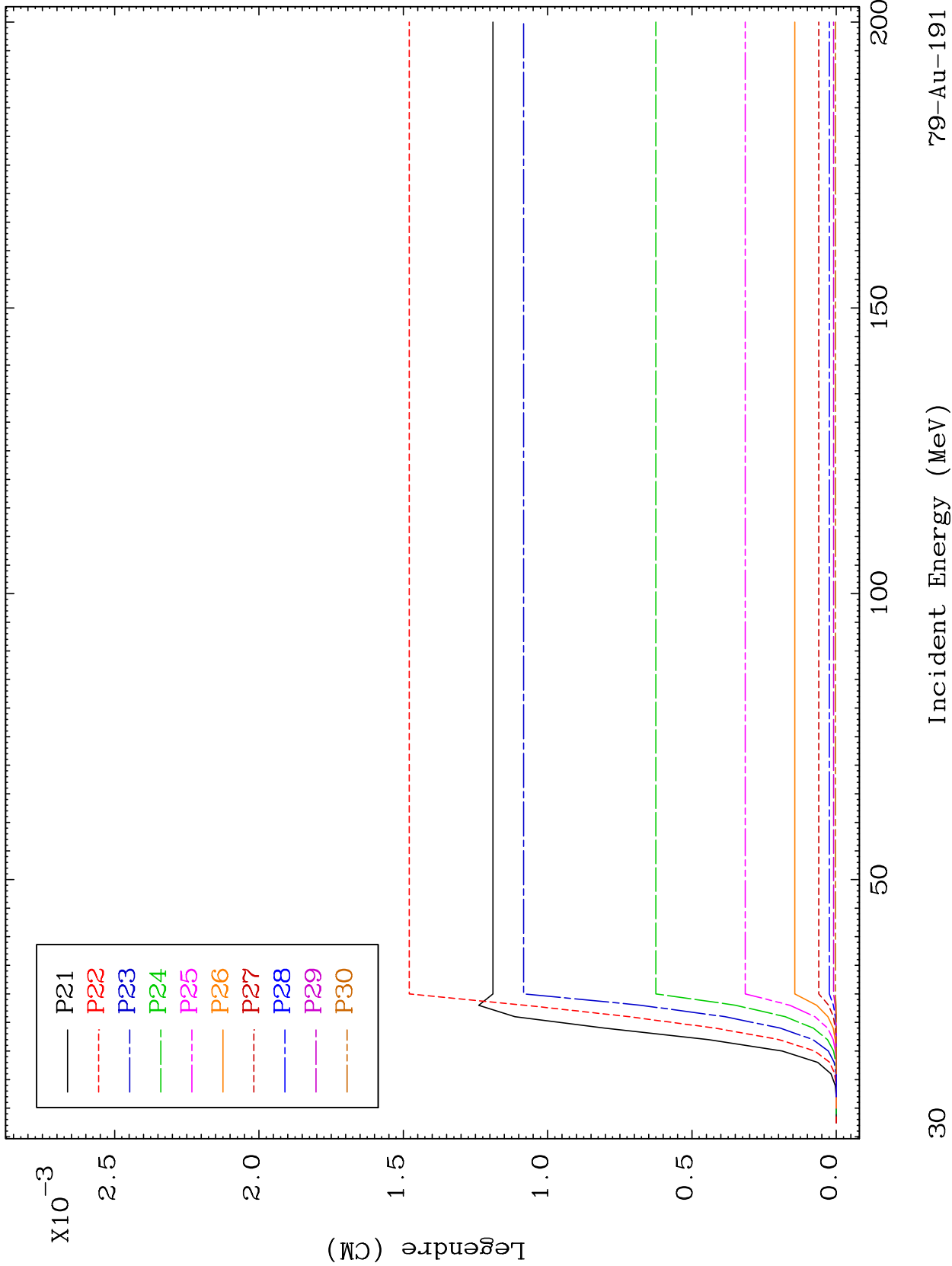
Incident Energy (MeV)

79-Au-191

MAT 7907

252.5 keV (n,n') Level  
Legendre Coefficients

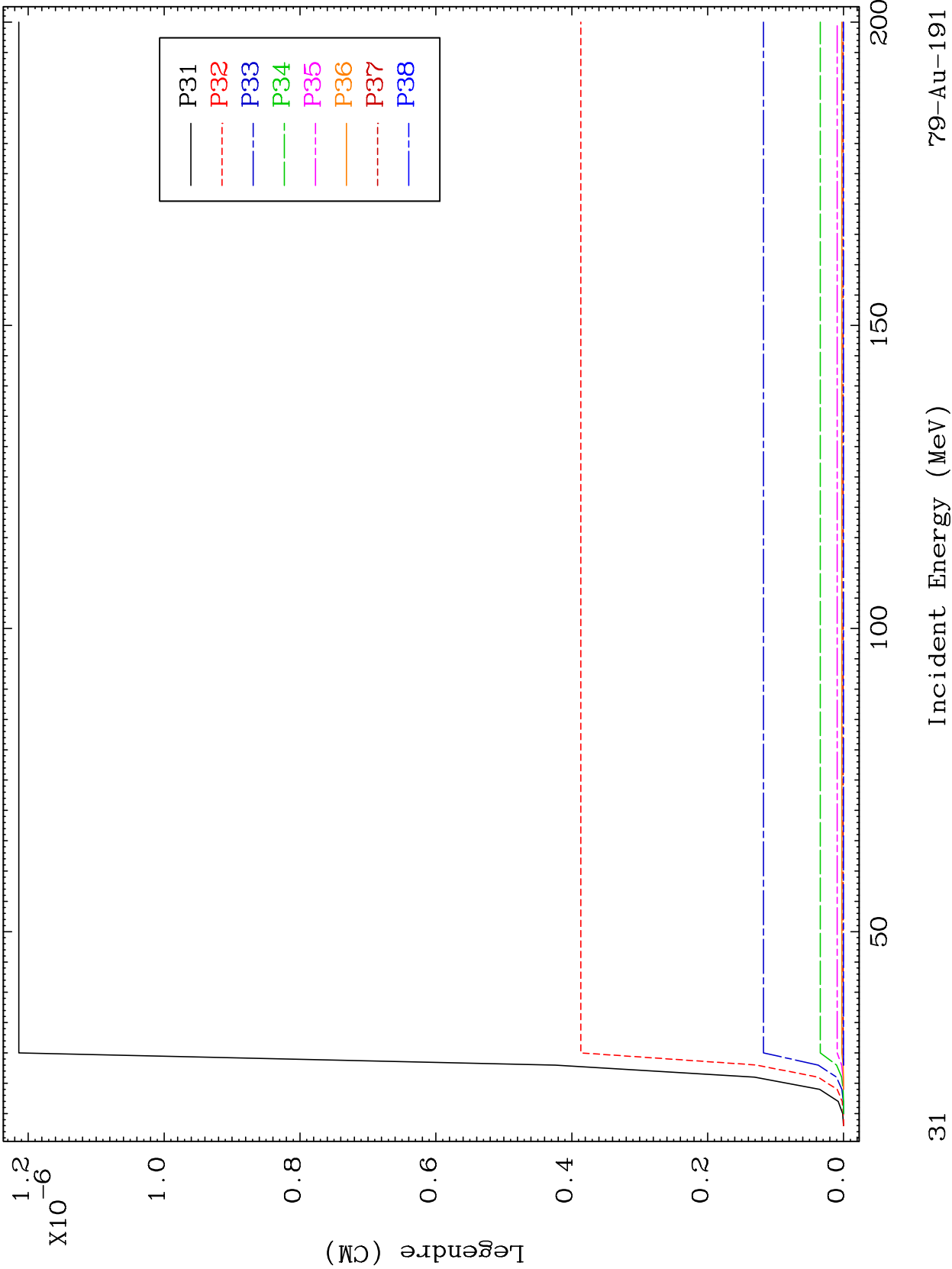
79-Au-191



30

Incident Energy (MeV)

79-Au-191

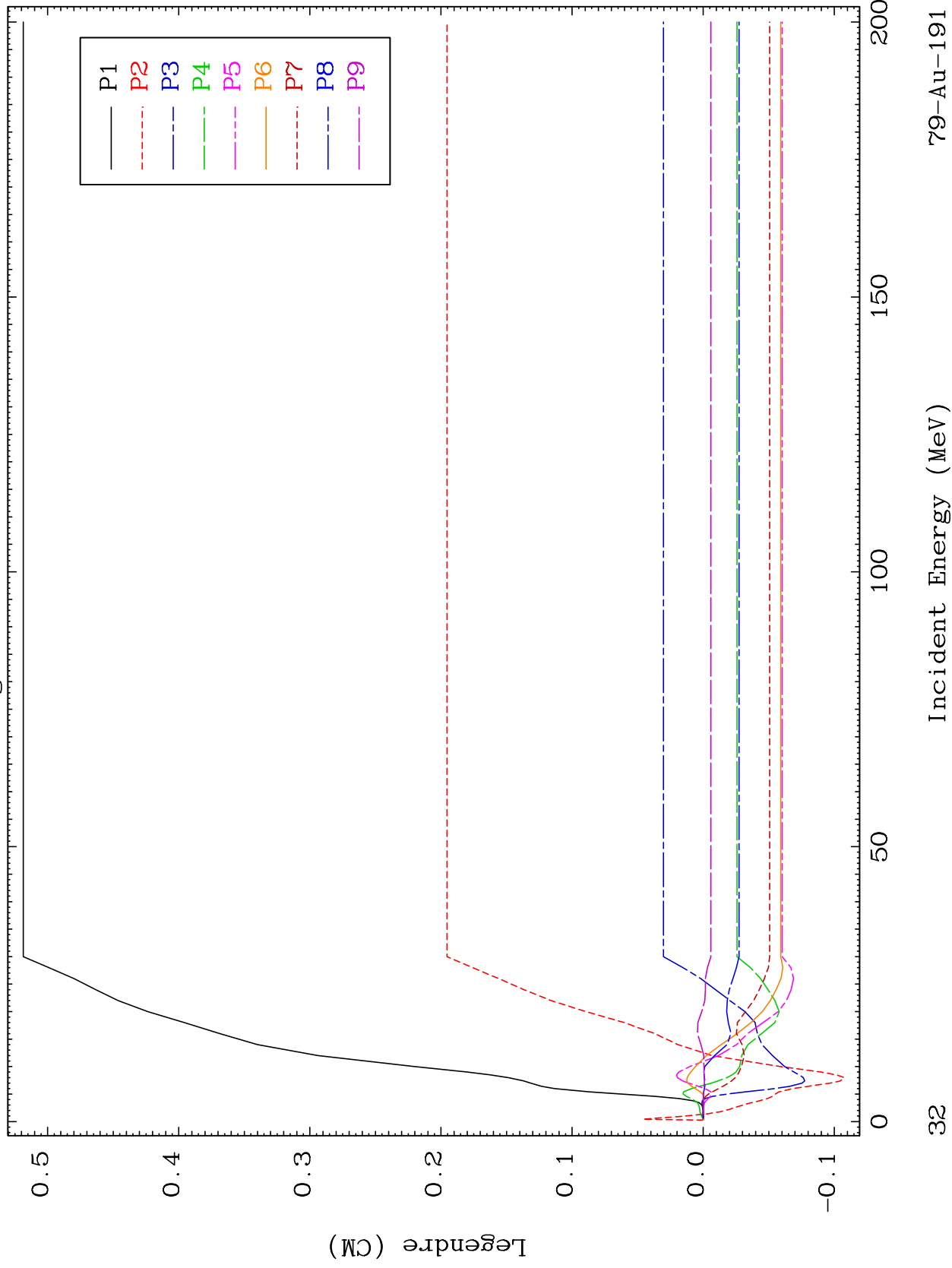




MAT 7907

266.2 keV (n,n') Level  
Legendre Coefficients

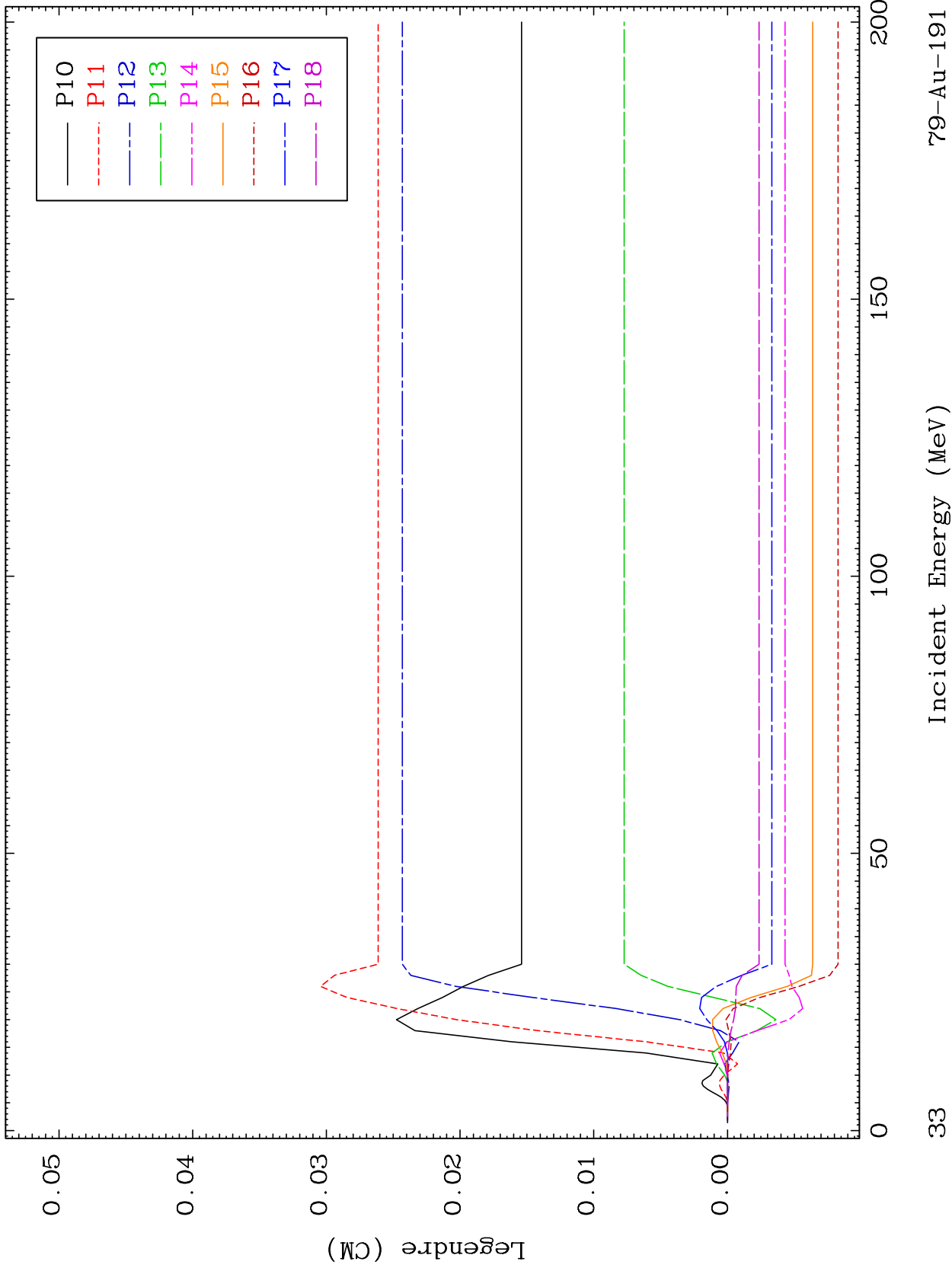
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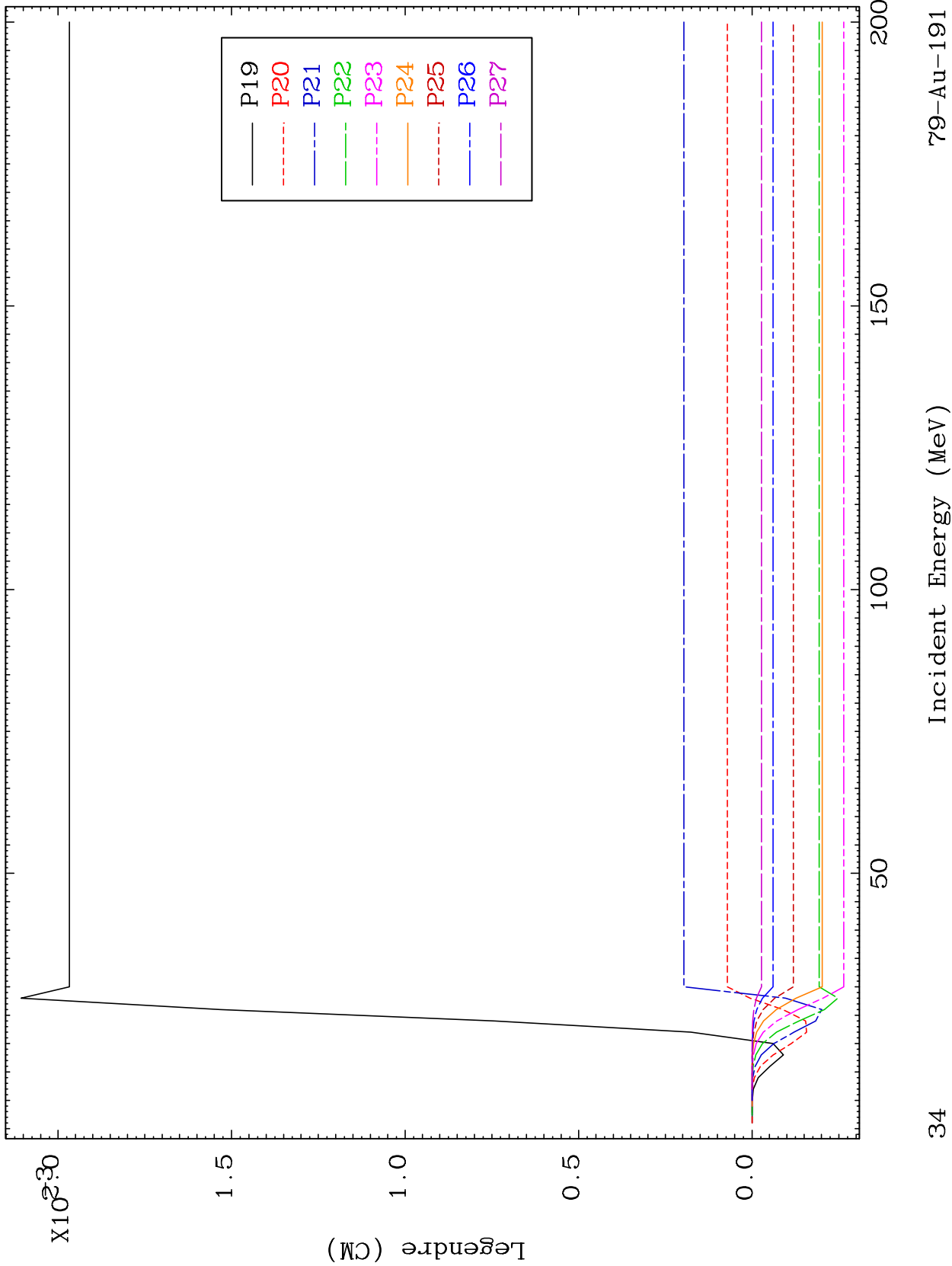


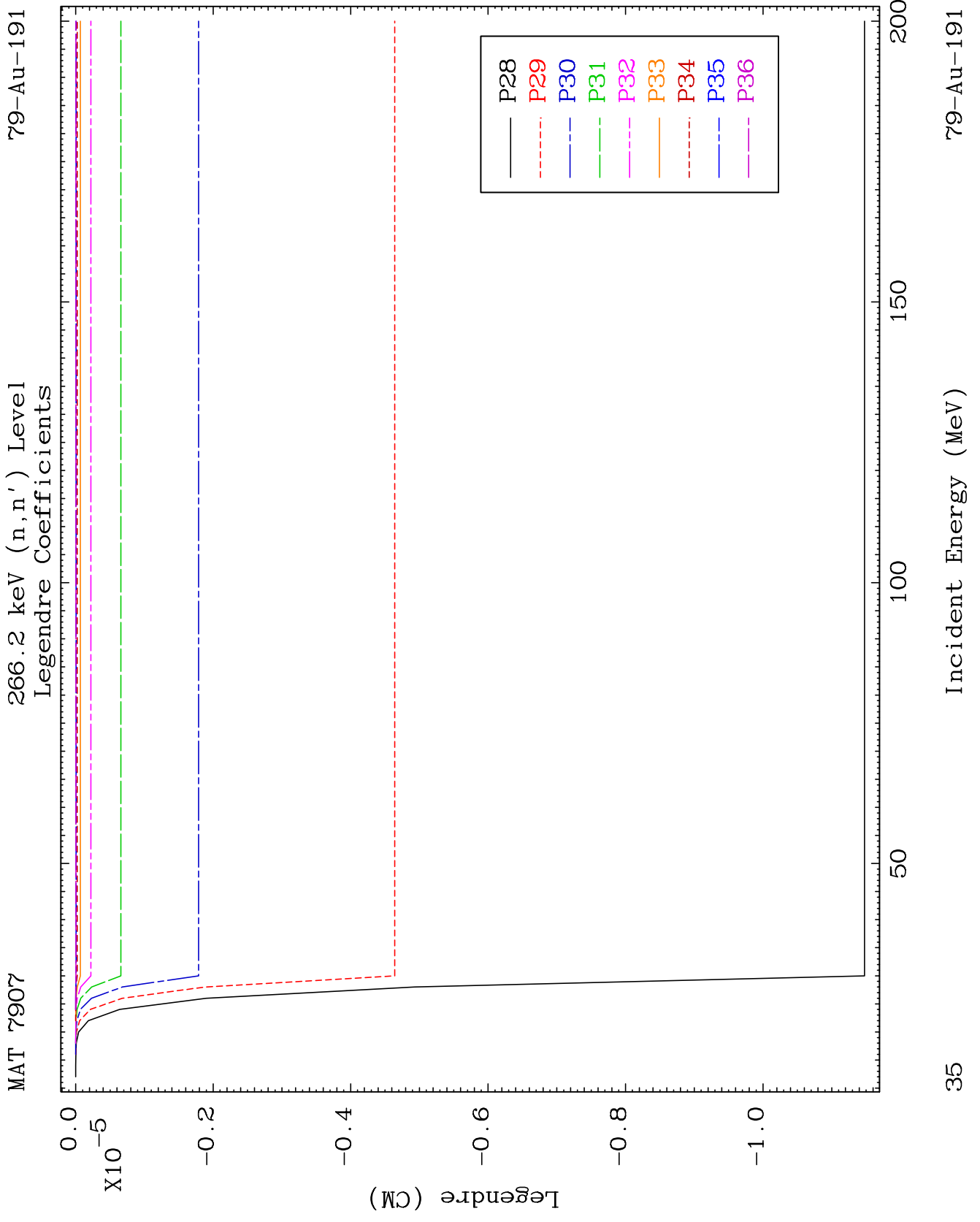
79-Au-191

Incident Energy (MeV)

32



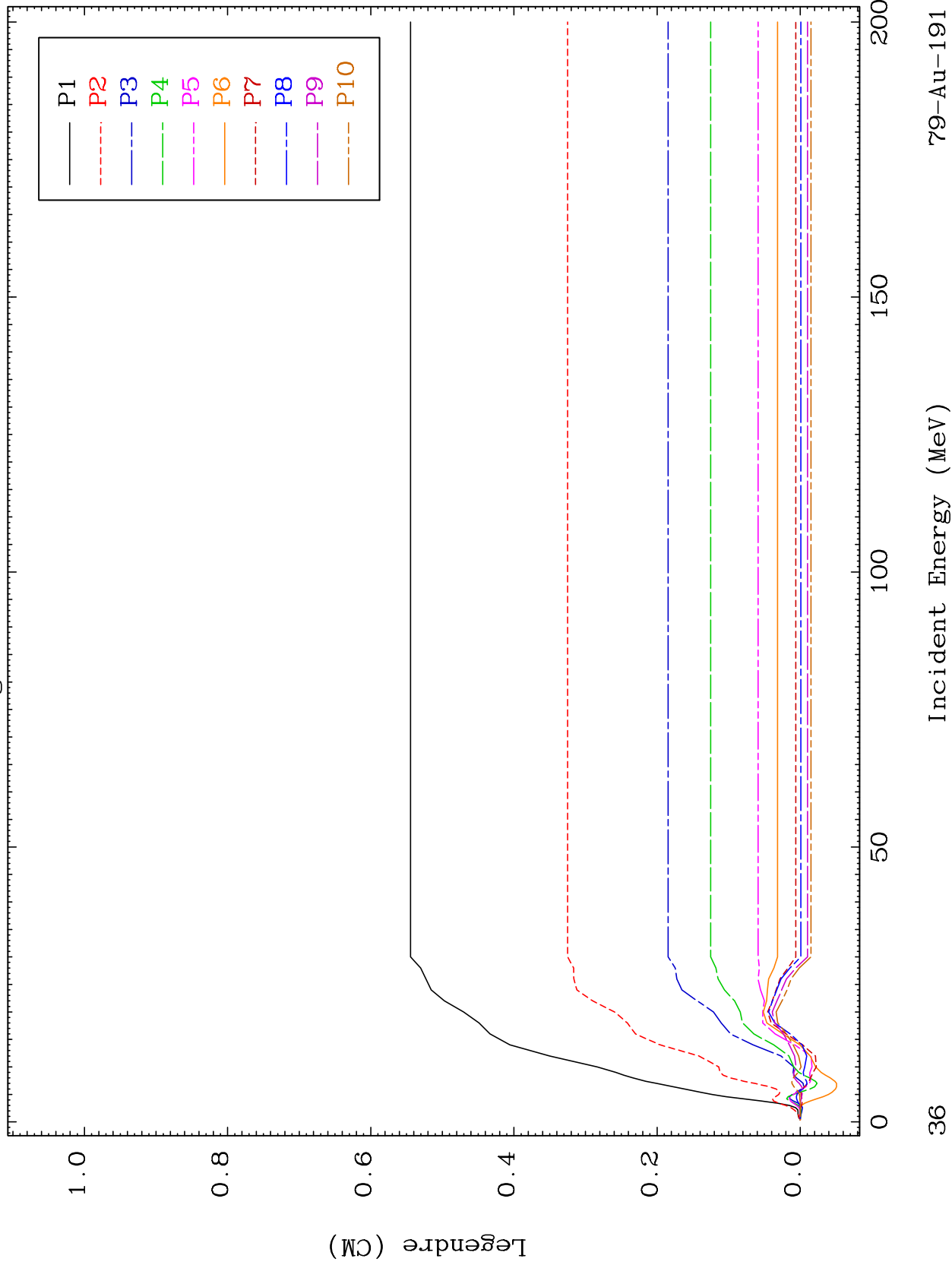




MAT 7907

331.4 keV (n,n') Level  
Legendre Coefficients

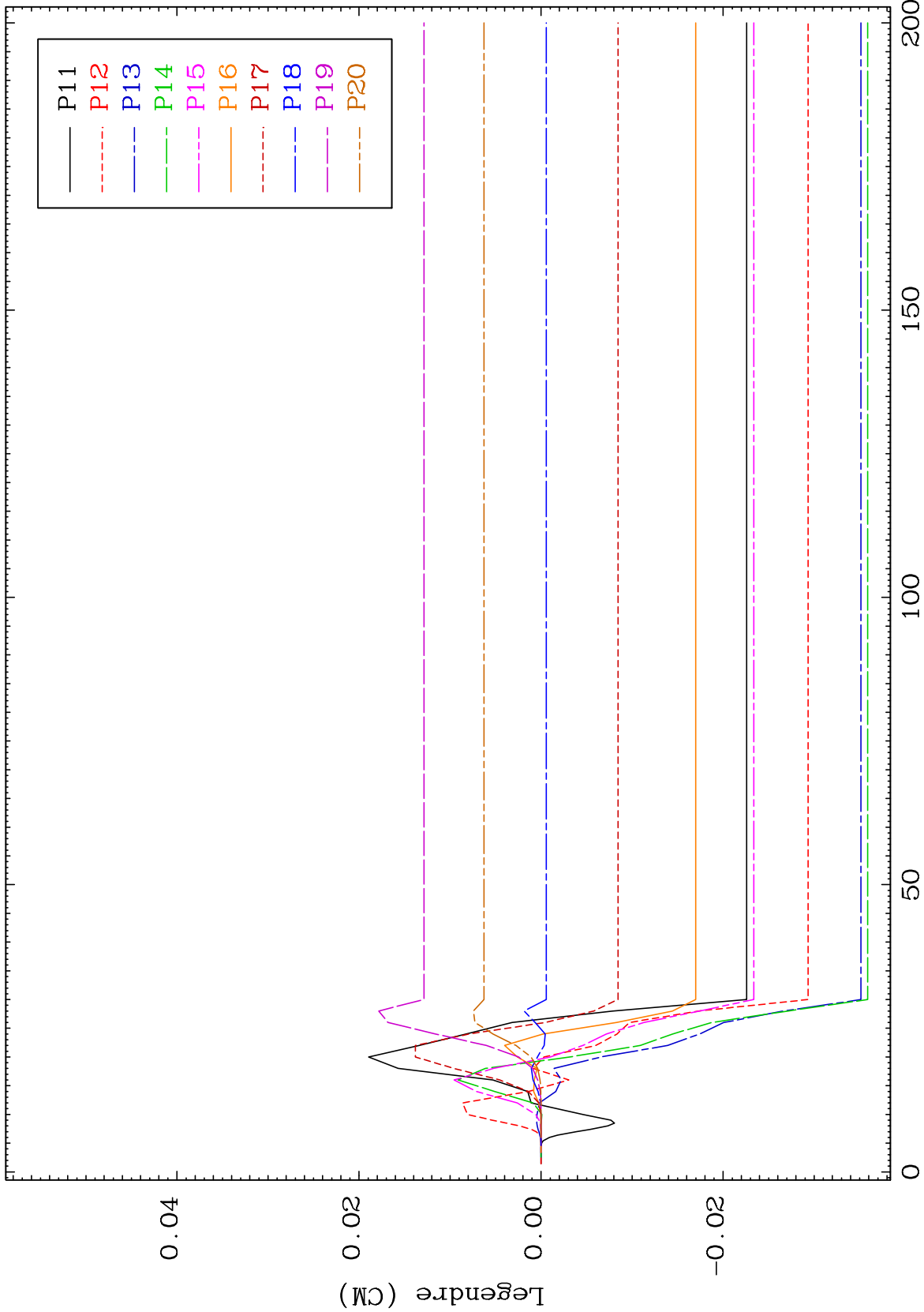
79-Au-191

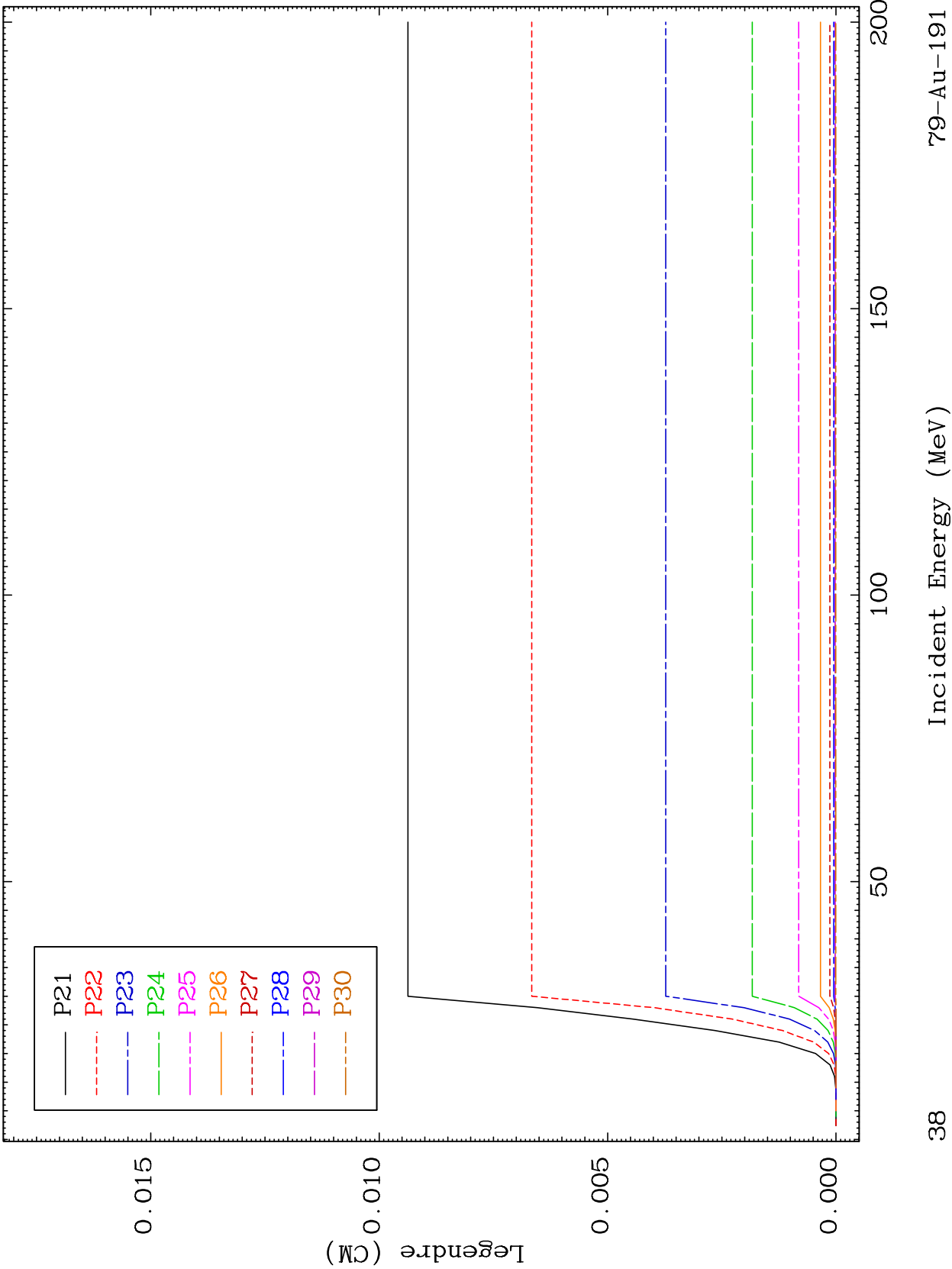


79-Au-191

Incident Energy (MeV)

36

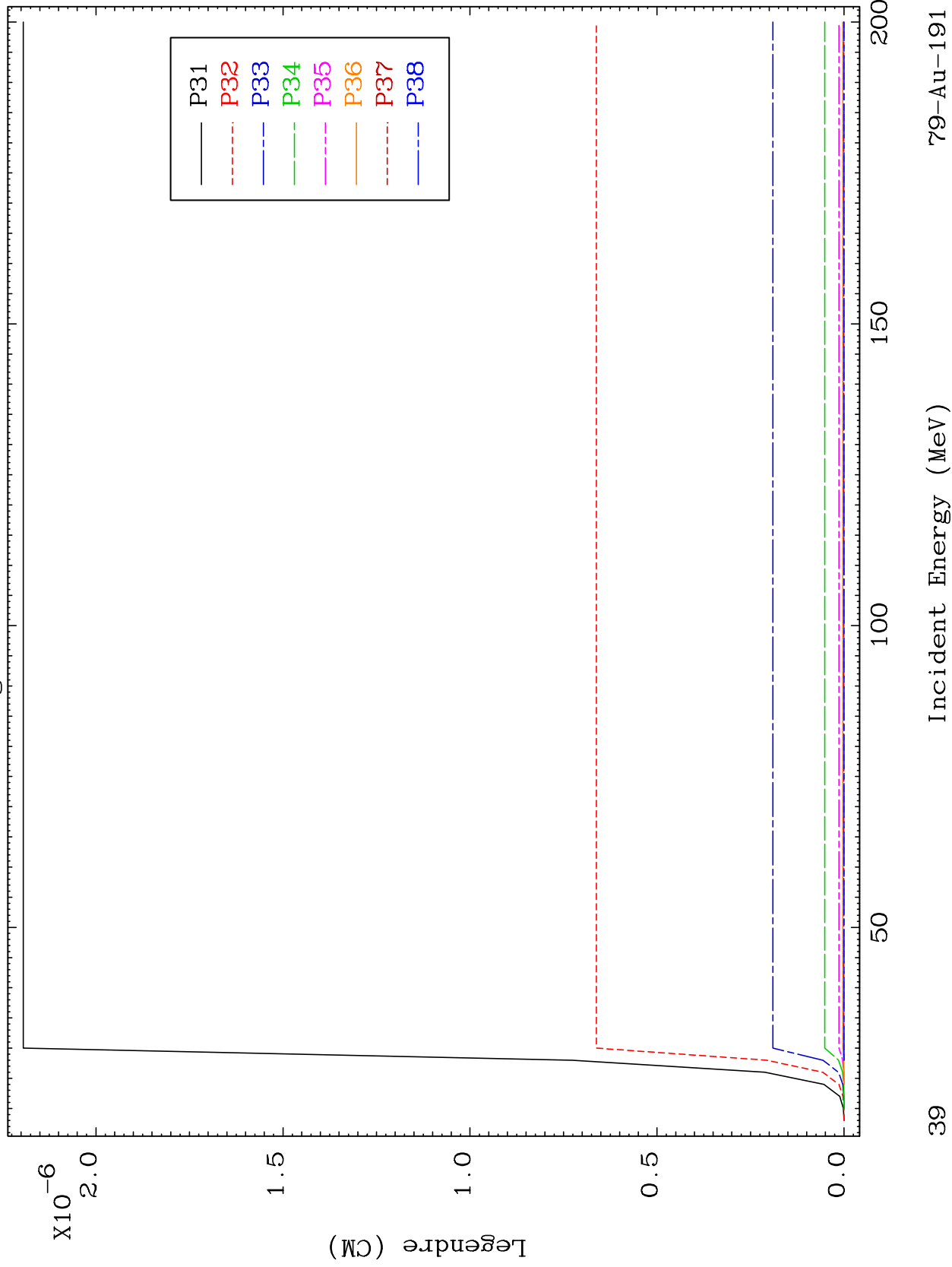




MAT 7907

331.4 keV (n,n') Level  
Legendre Coefficients

79-Au-191

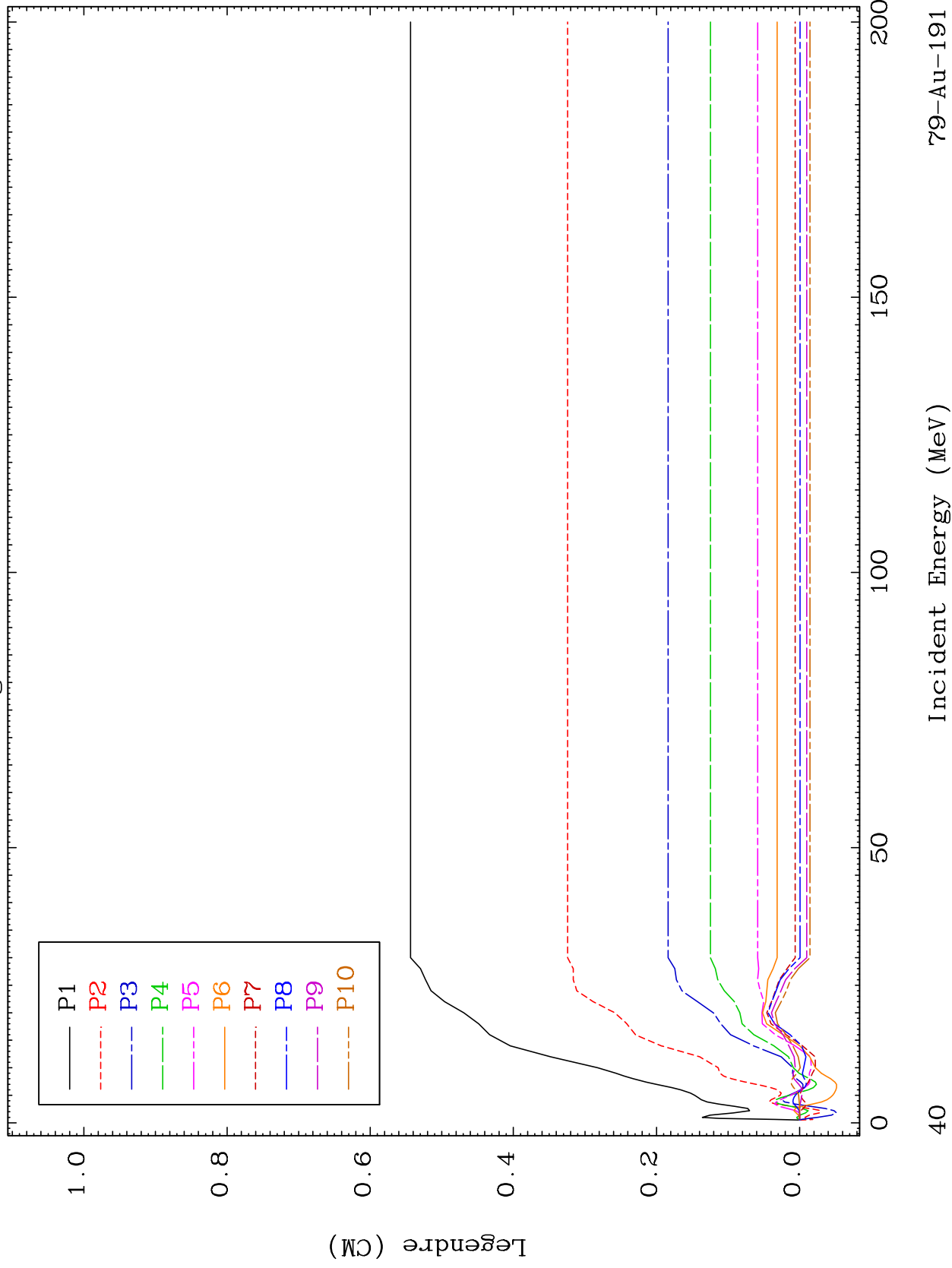




MAT 7907

491.0 keV (n,n') Level  
Legendre Coefficients

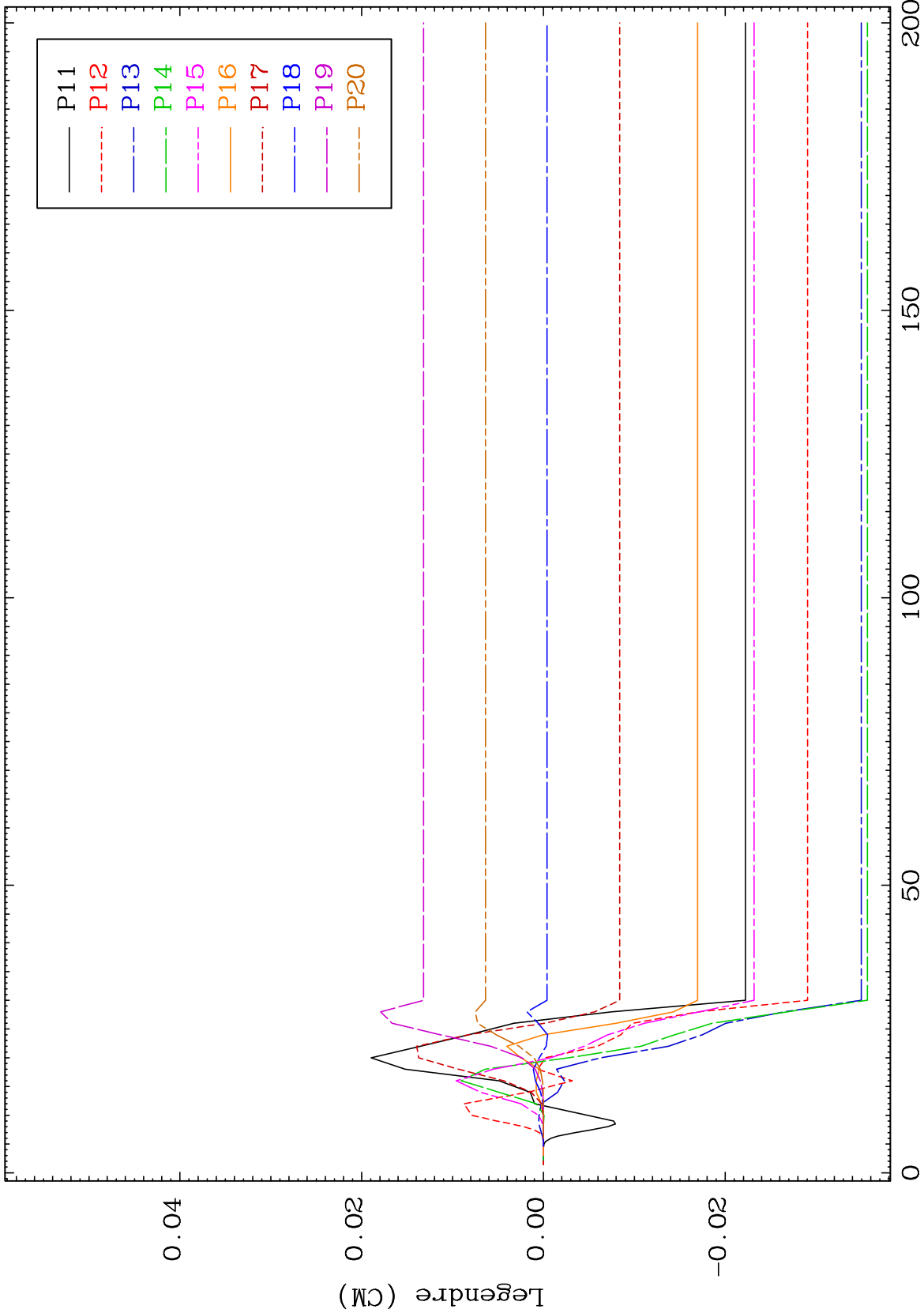
79-Au-191

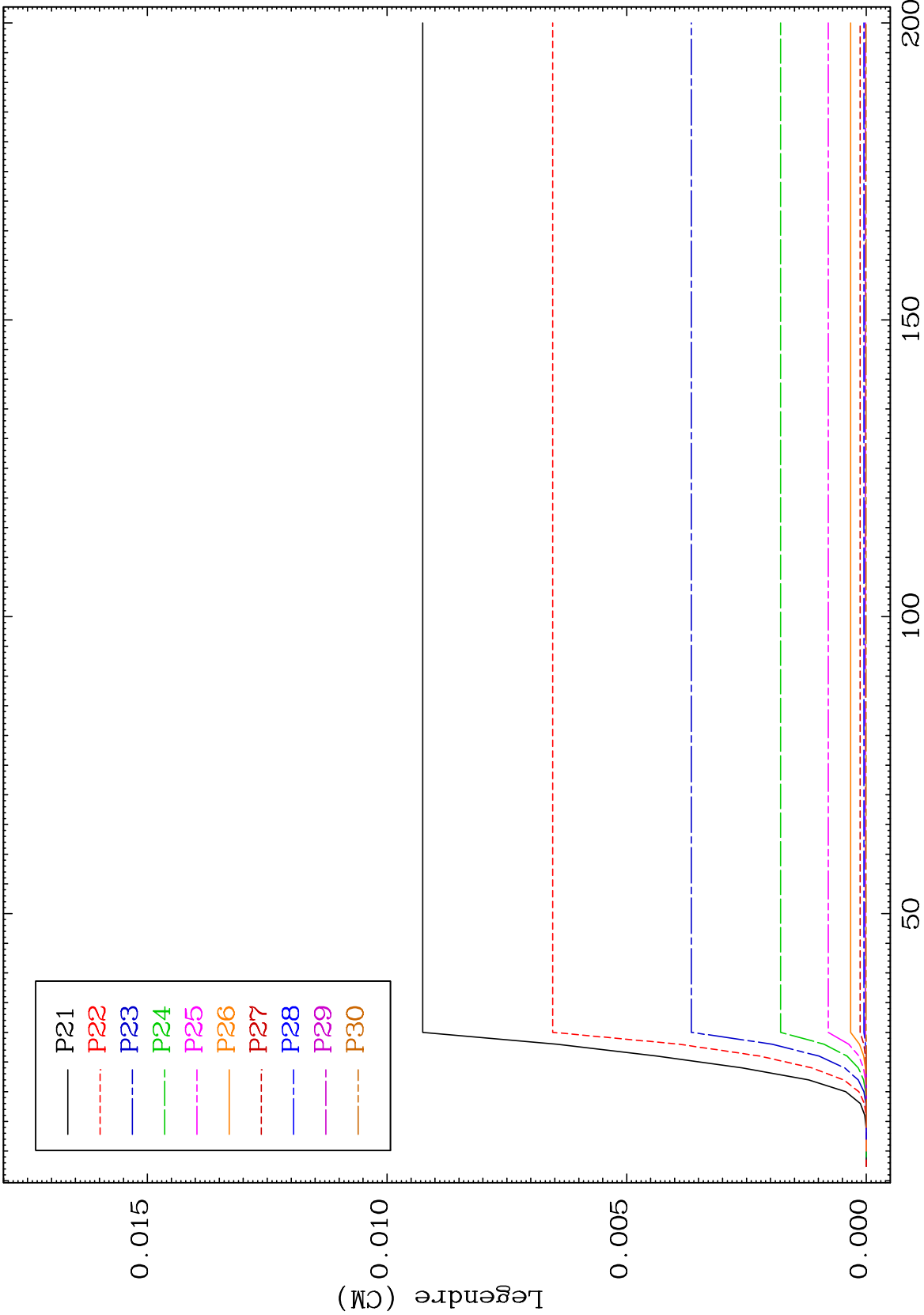


79-Au-191

Incident Energy (MeV)

40

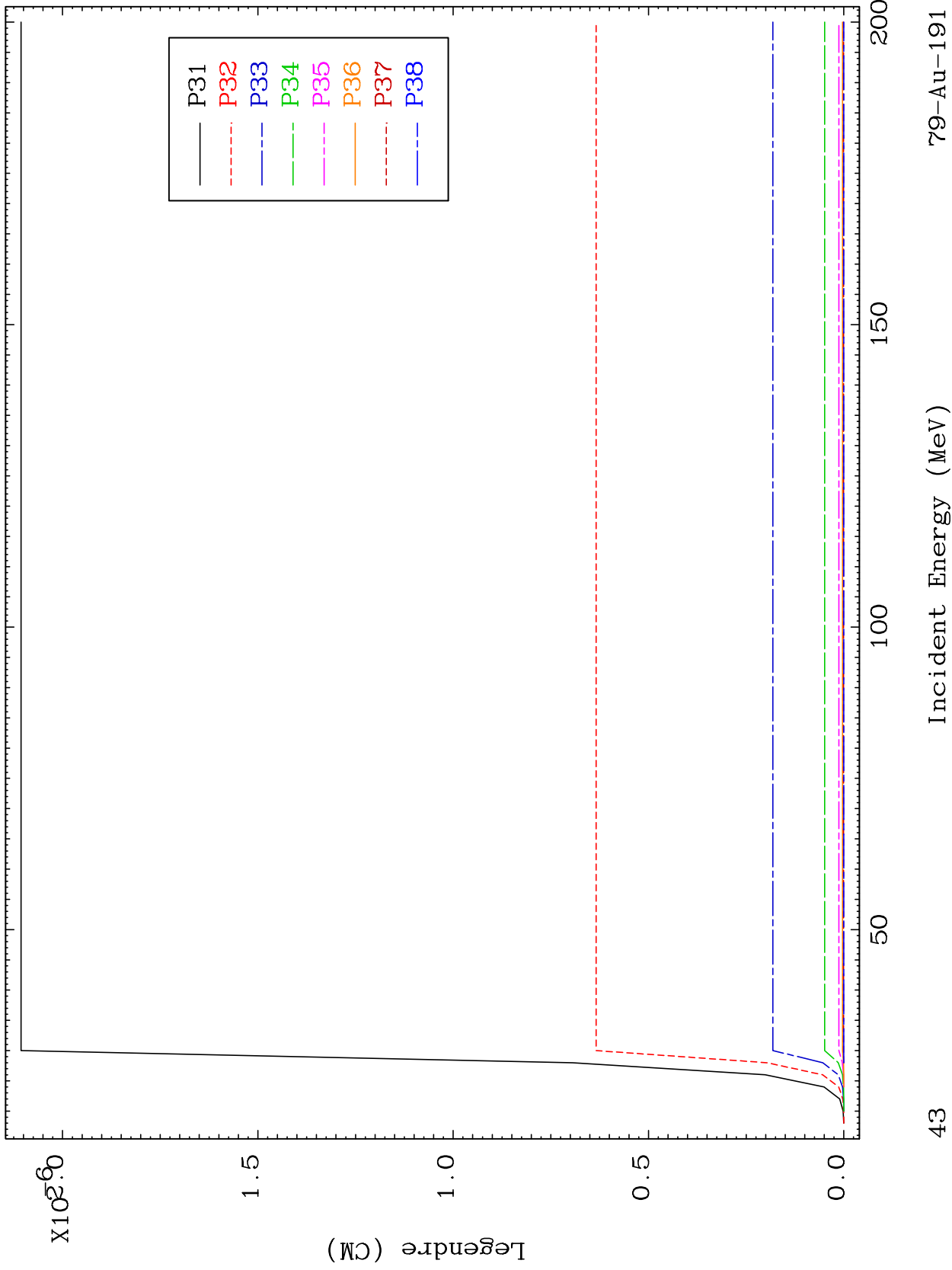




MAT 7907

491.0 keV (n,n') Level  
Legendre Coefficients

79-Au-191



43

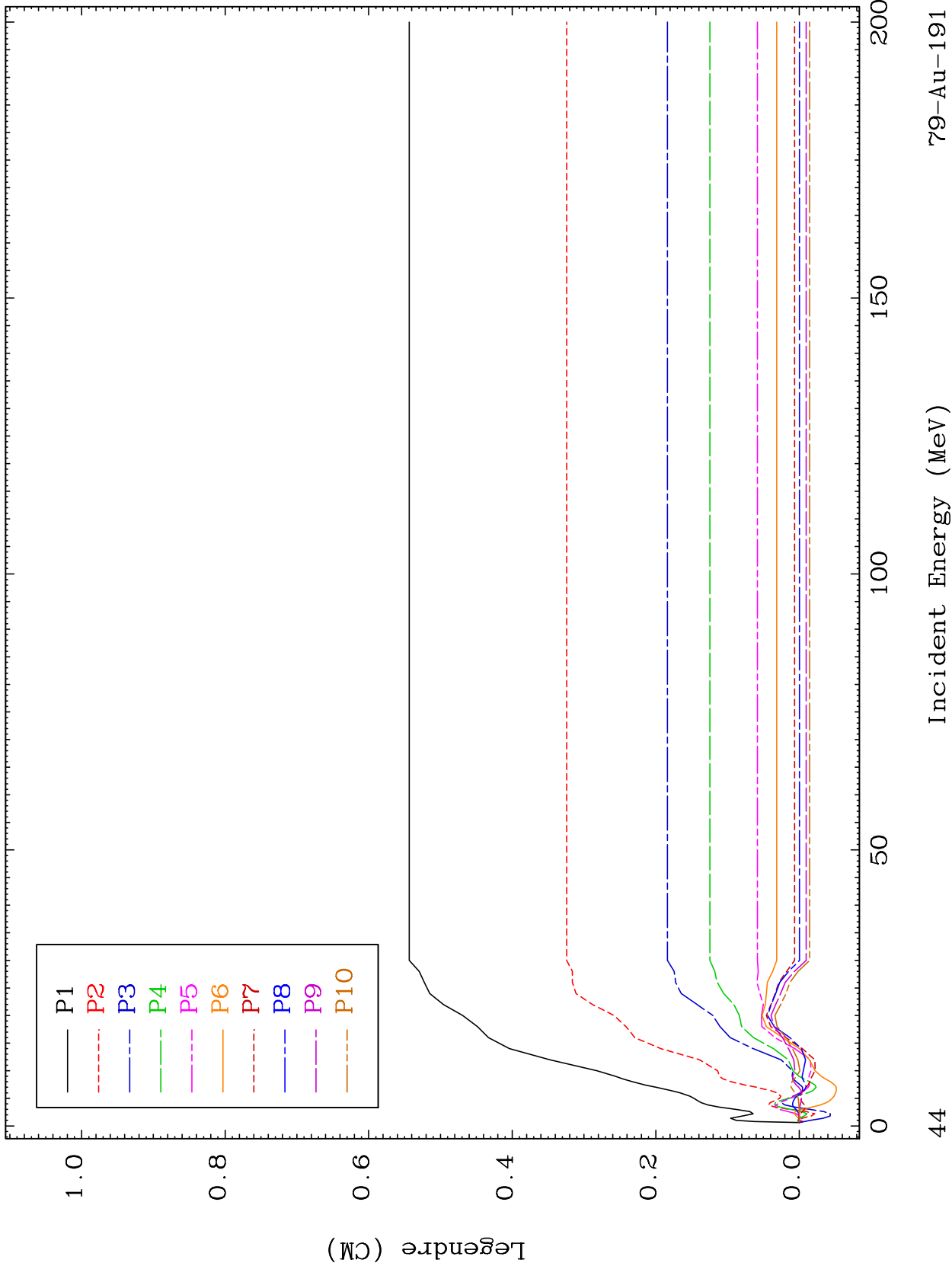
Incident Energy (MeV)

79-Au-191

MAT 7907

521.5 keV (n,n') Level  
Legendre Coefficients

79-Au-191



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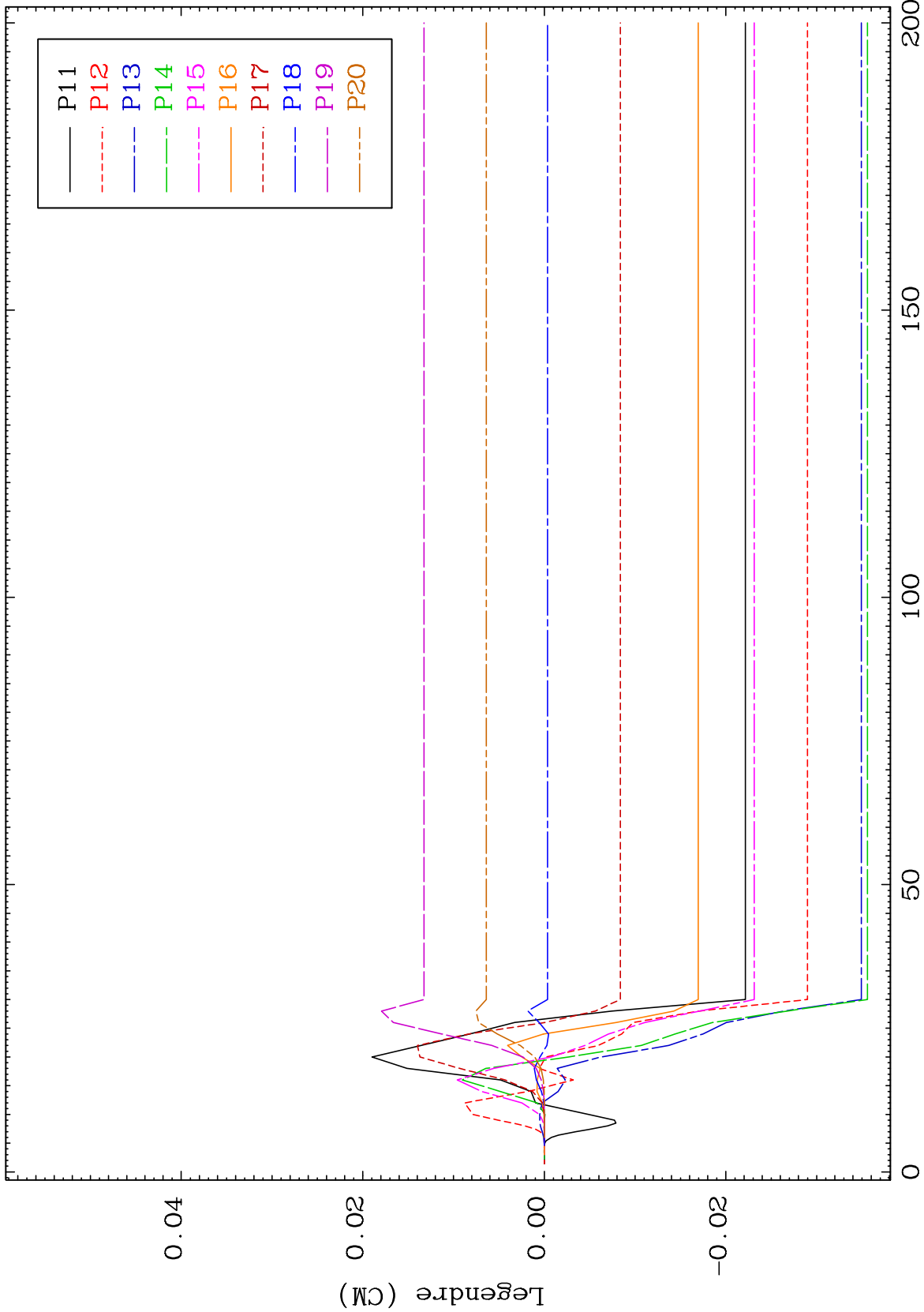
Incident Energy (MeV)

79-Au-191

MAT 7907

521.5 keV (n,n') Level  
Legendre Coefficients

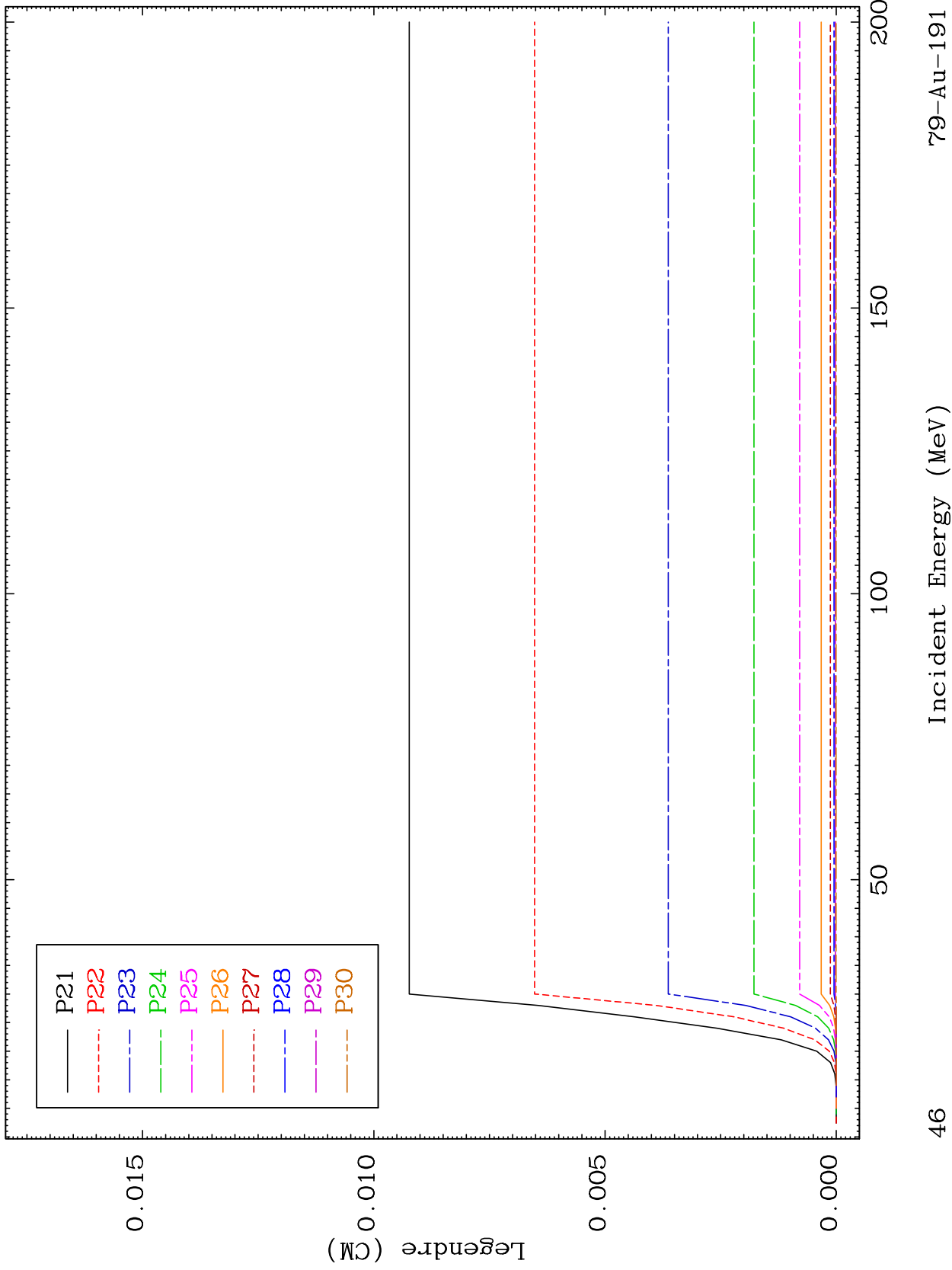
79-Au-191



45

Incident Energy (MeV)

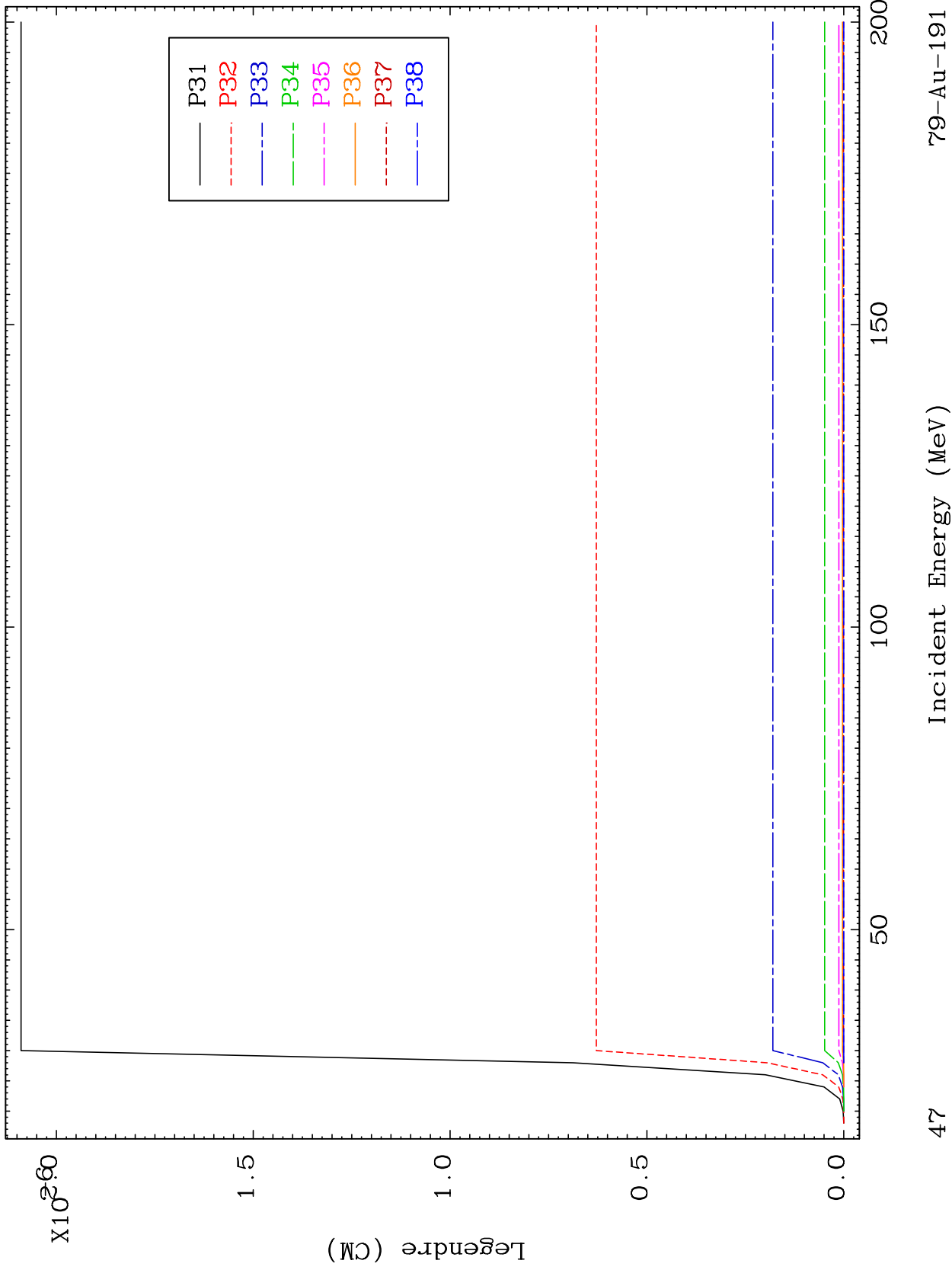
79-Au-191



MAT 7907

521.5 keV (n,n') Level  
Legendre Coefficients

79-Au-191



47

Incident Energy (MeV)

79-Au-191

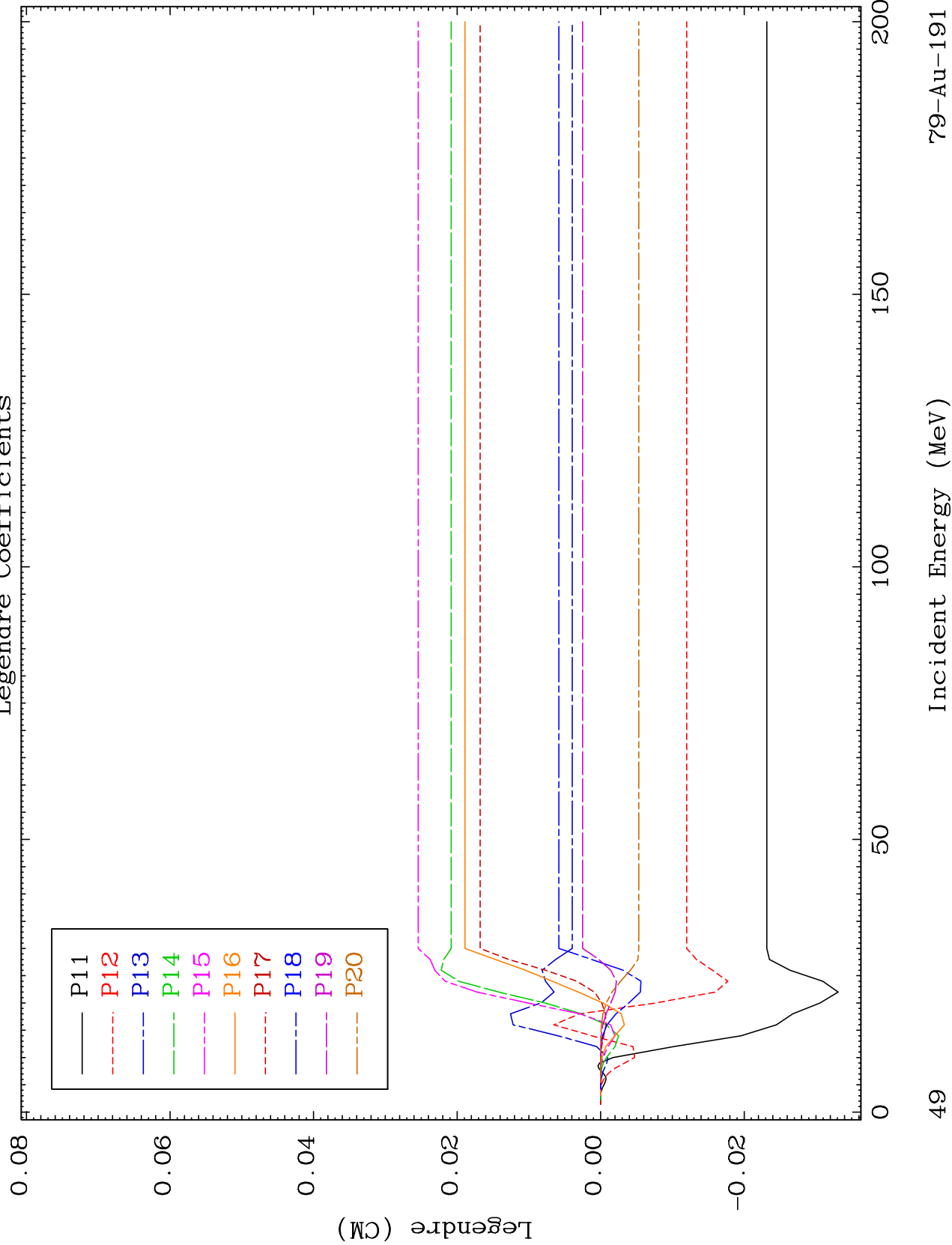




MAT 7907

540.4 keV (n,n') Level  
Legendre Coefficients

79-Au-191



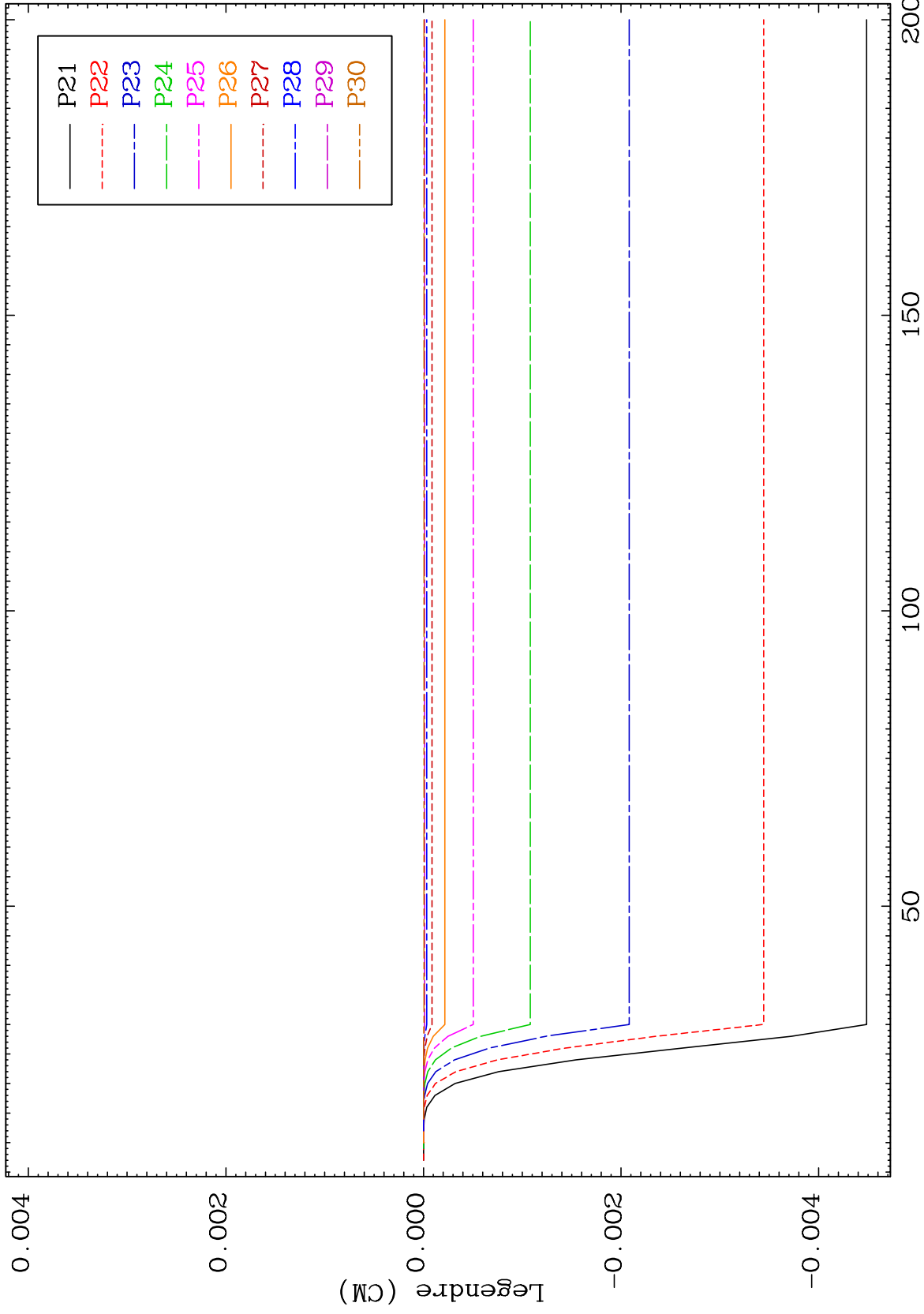
49

79-Au-191

MAT 7907

540.4 keV (n,n') Level  
Legendre Coefficients

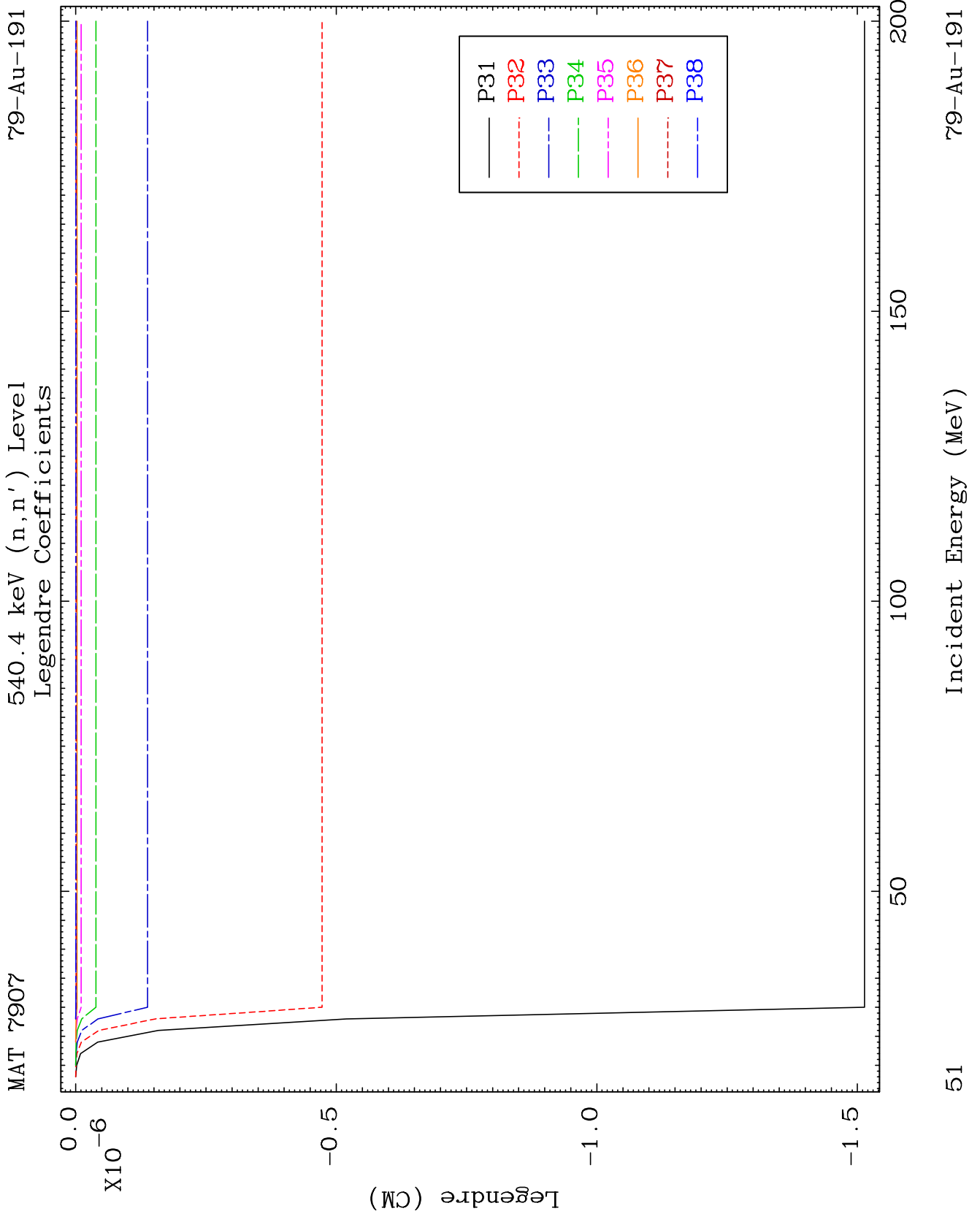
79-Au-191



50

Incident Energy (MeV)

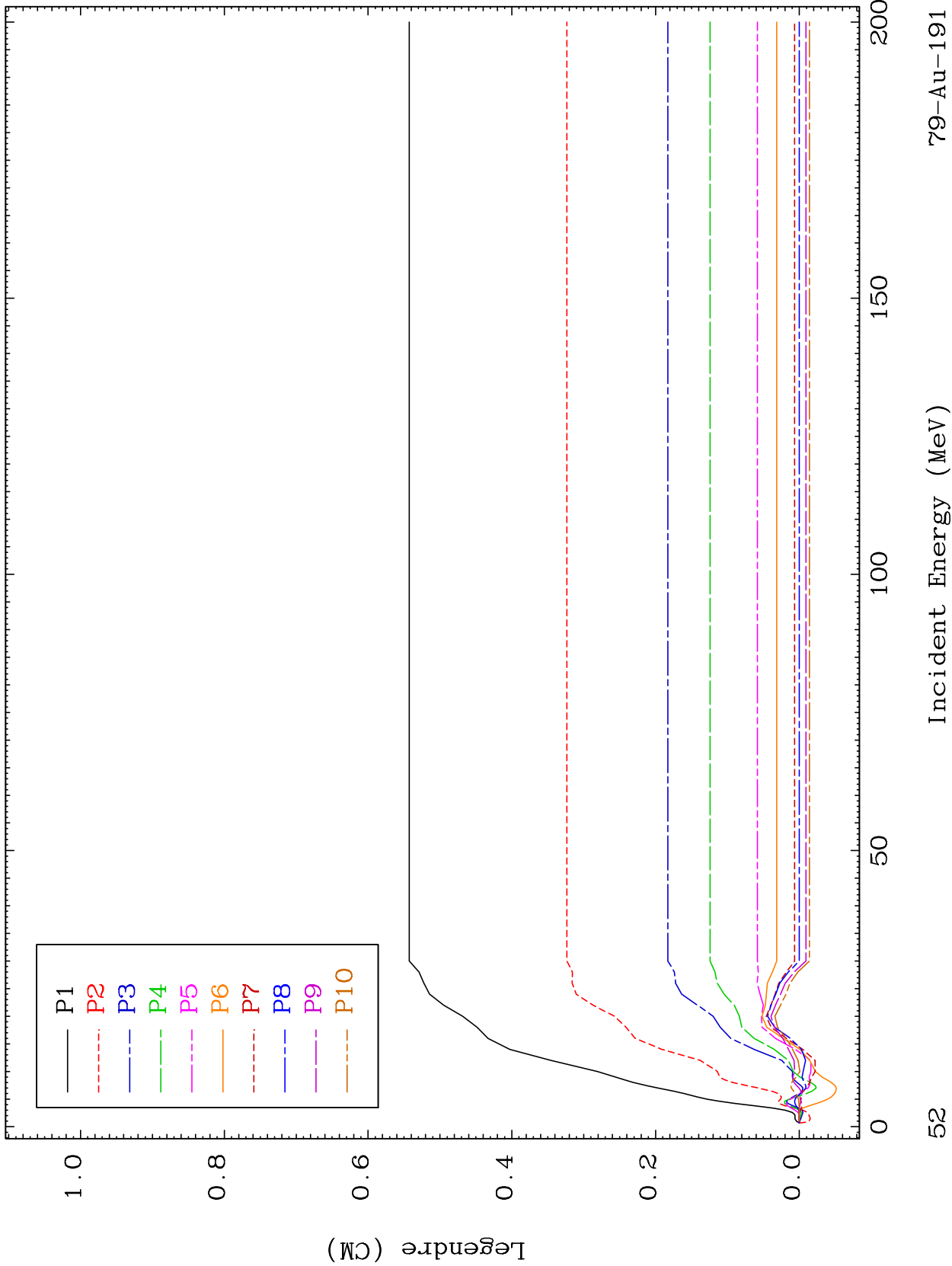
79-Au-191



MAT 7907

662.5 keV (n, n') Level  
Legendre Coefficients

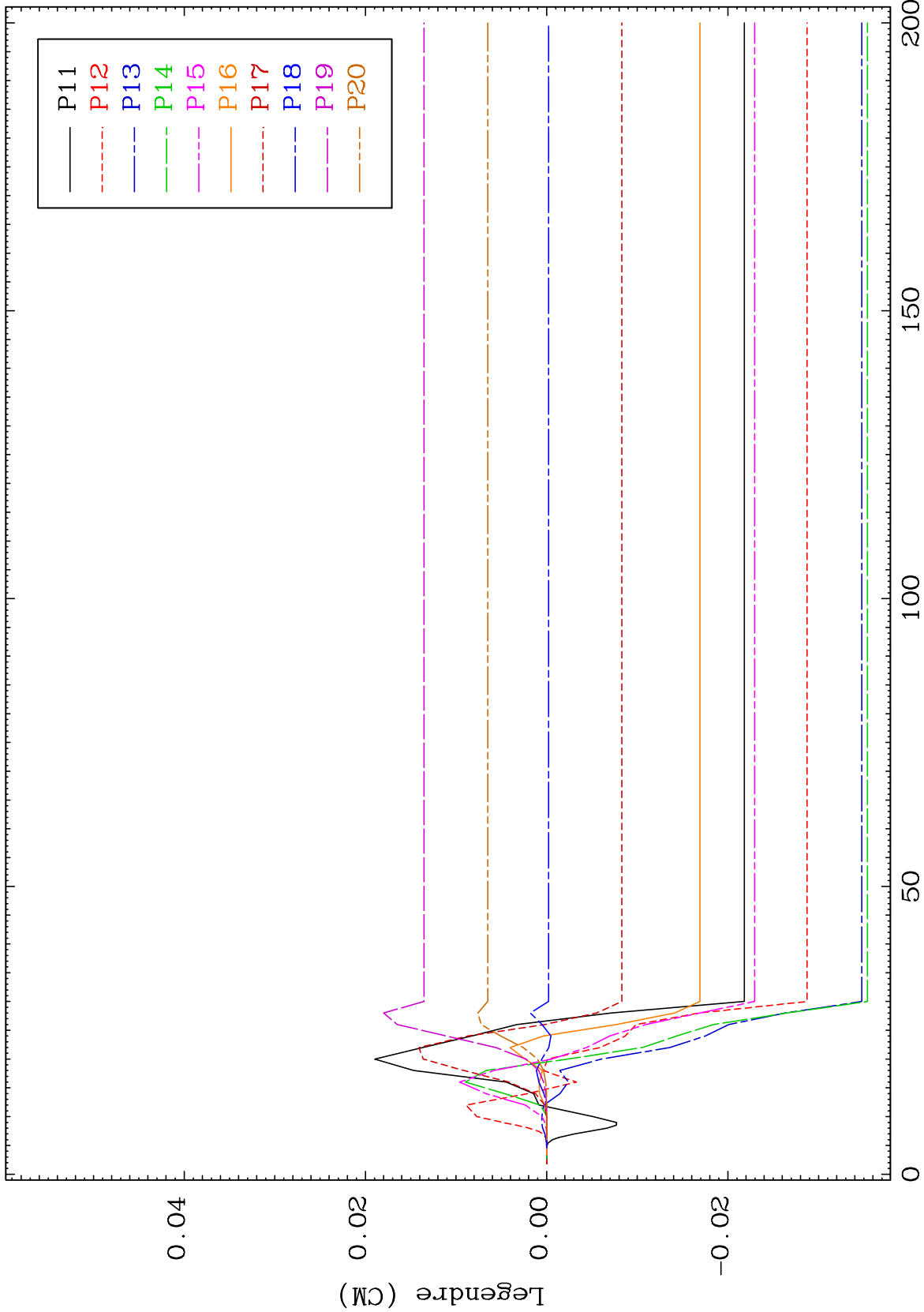
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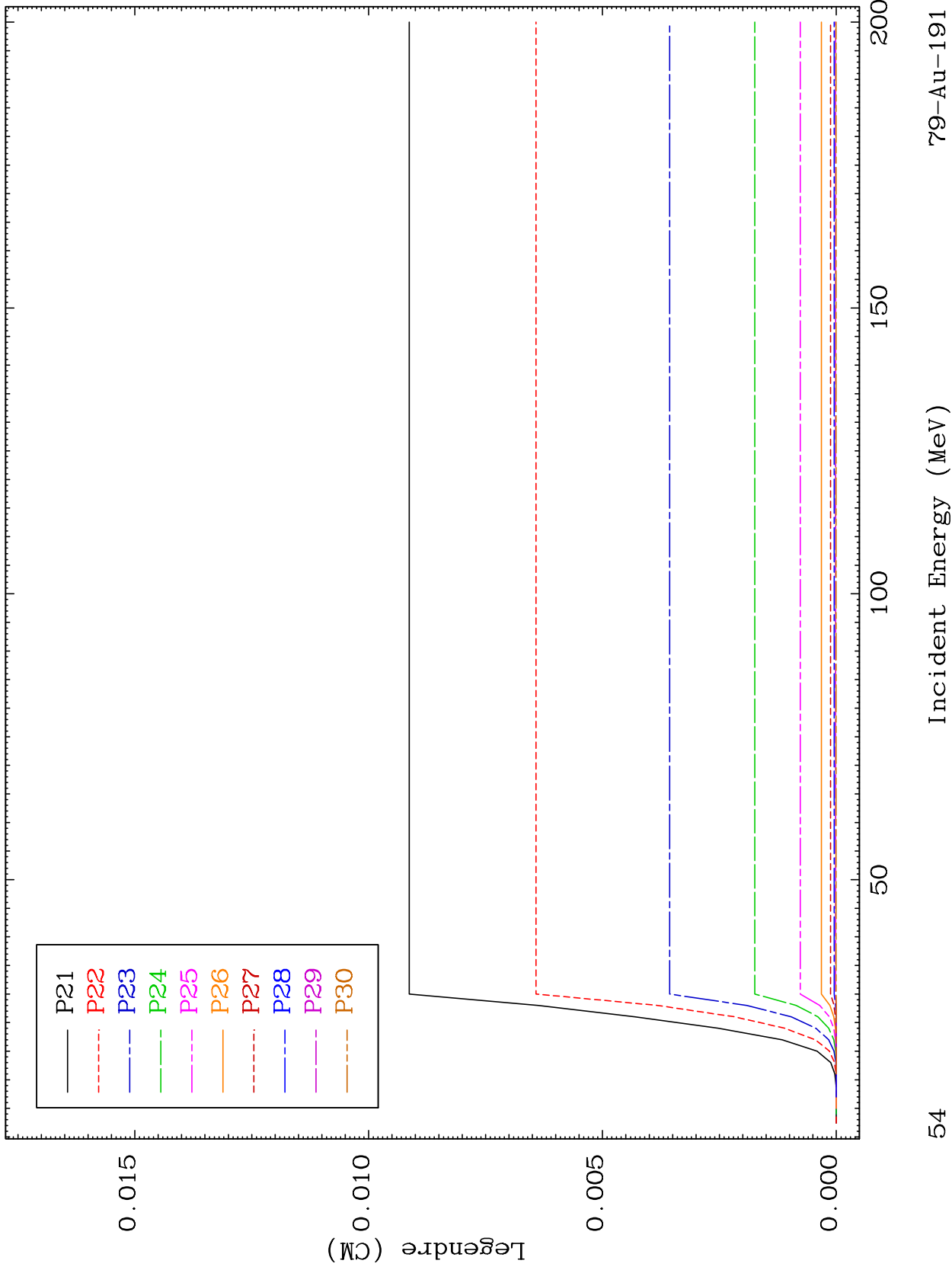


52

Incident Energy (MeV)

79-Au-191

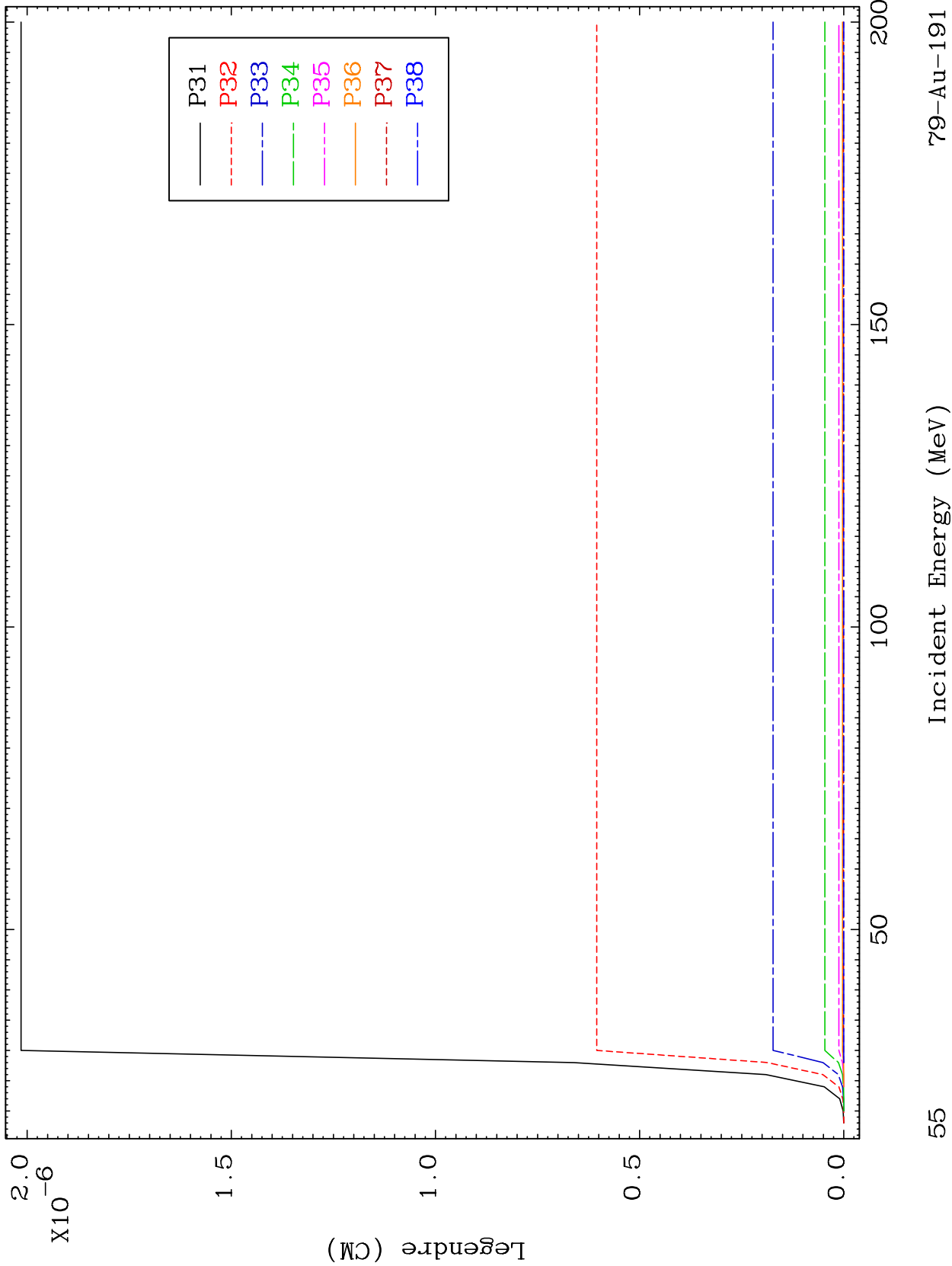




MAT 7907

662.5 keV (n,n') Level  
Legendre Coefficients

79-Au-191



55

Incident Energy (MeV)

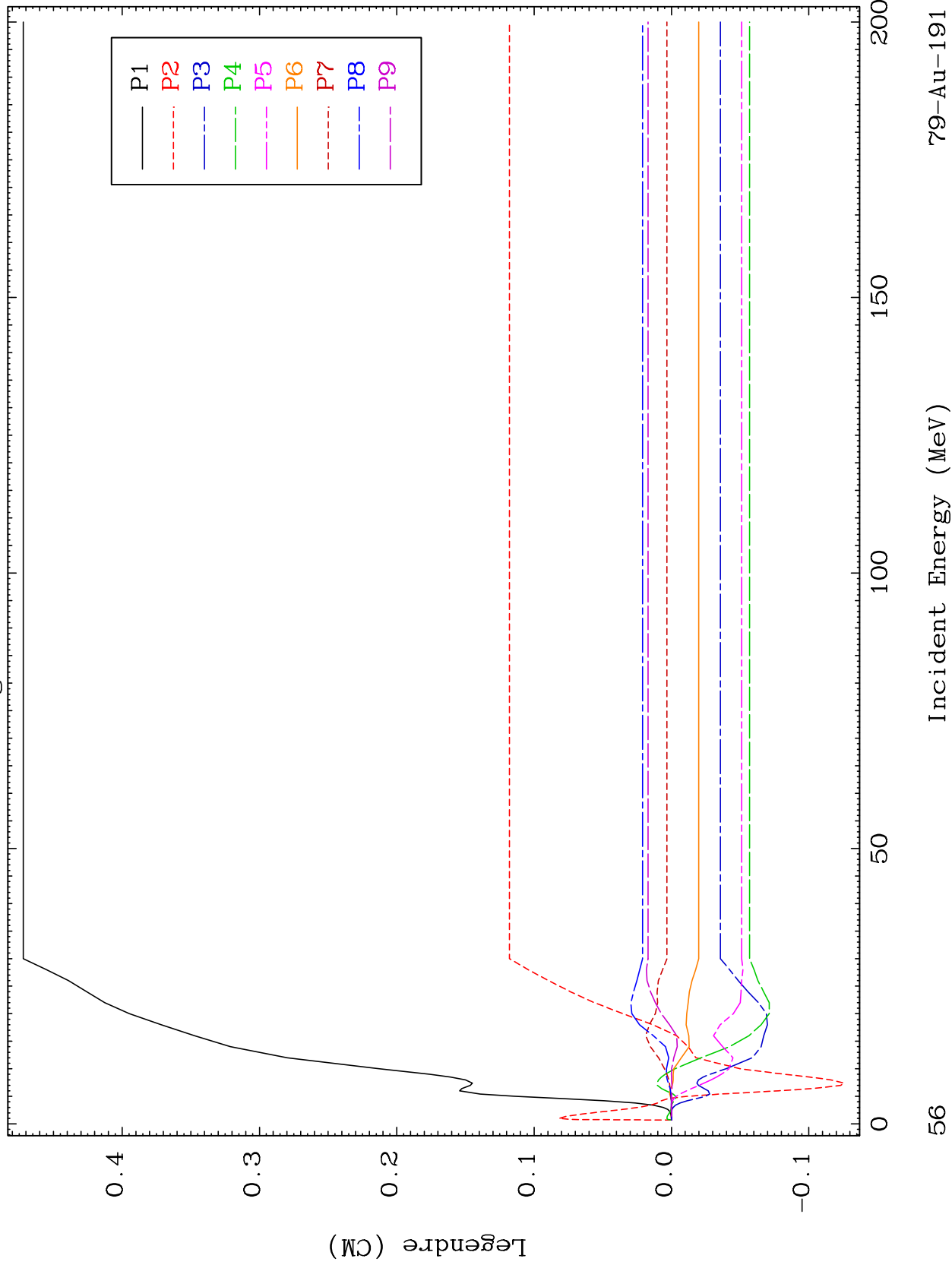
79-Au-191



MAT 7907

685.9 keV (n, n') Level  
Legendre Coefficients

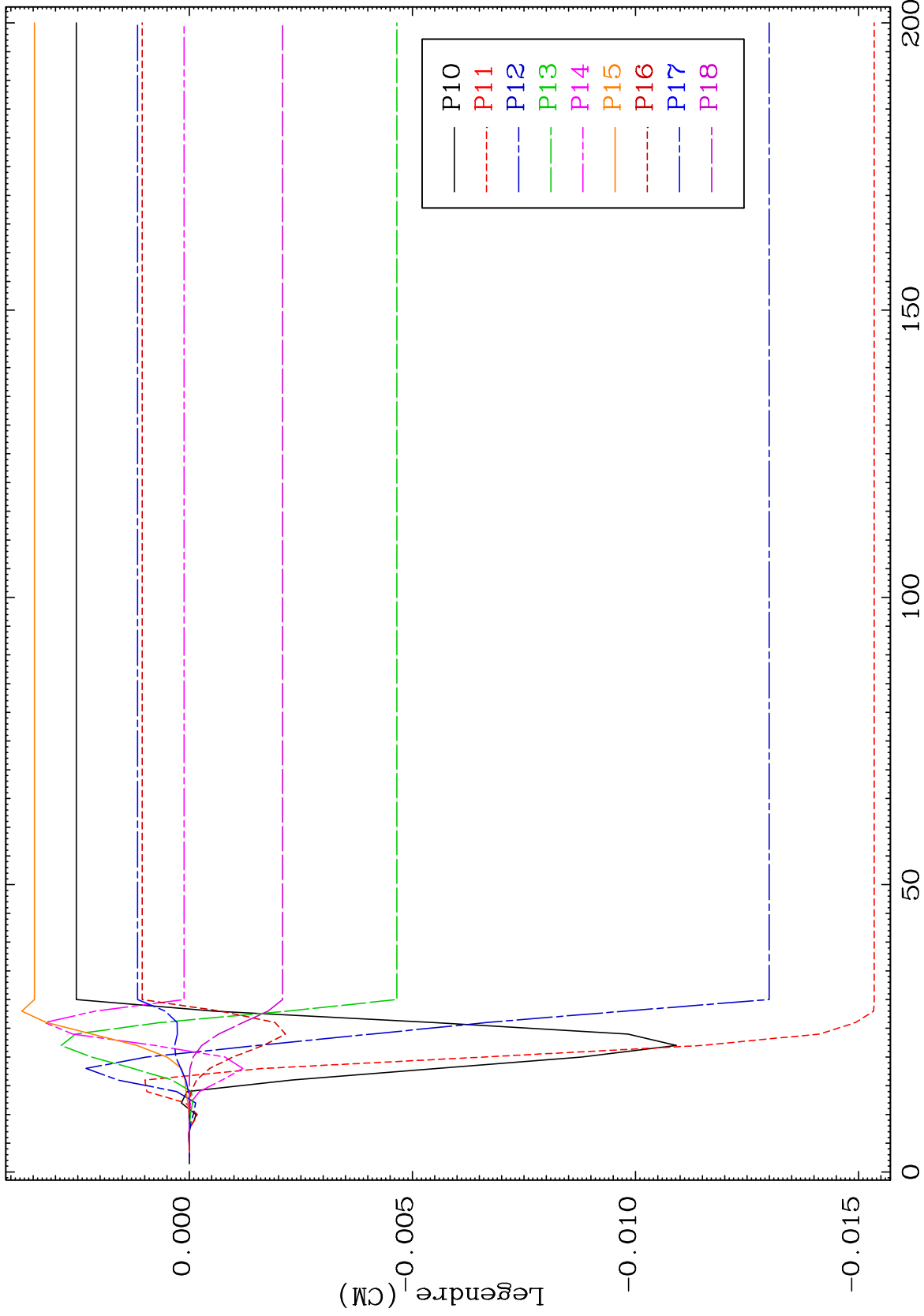
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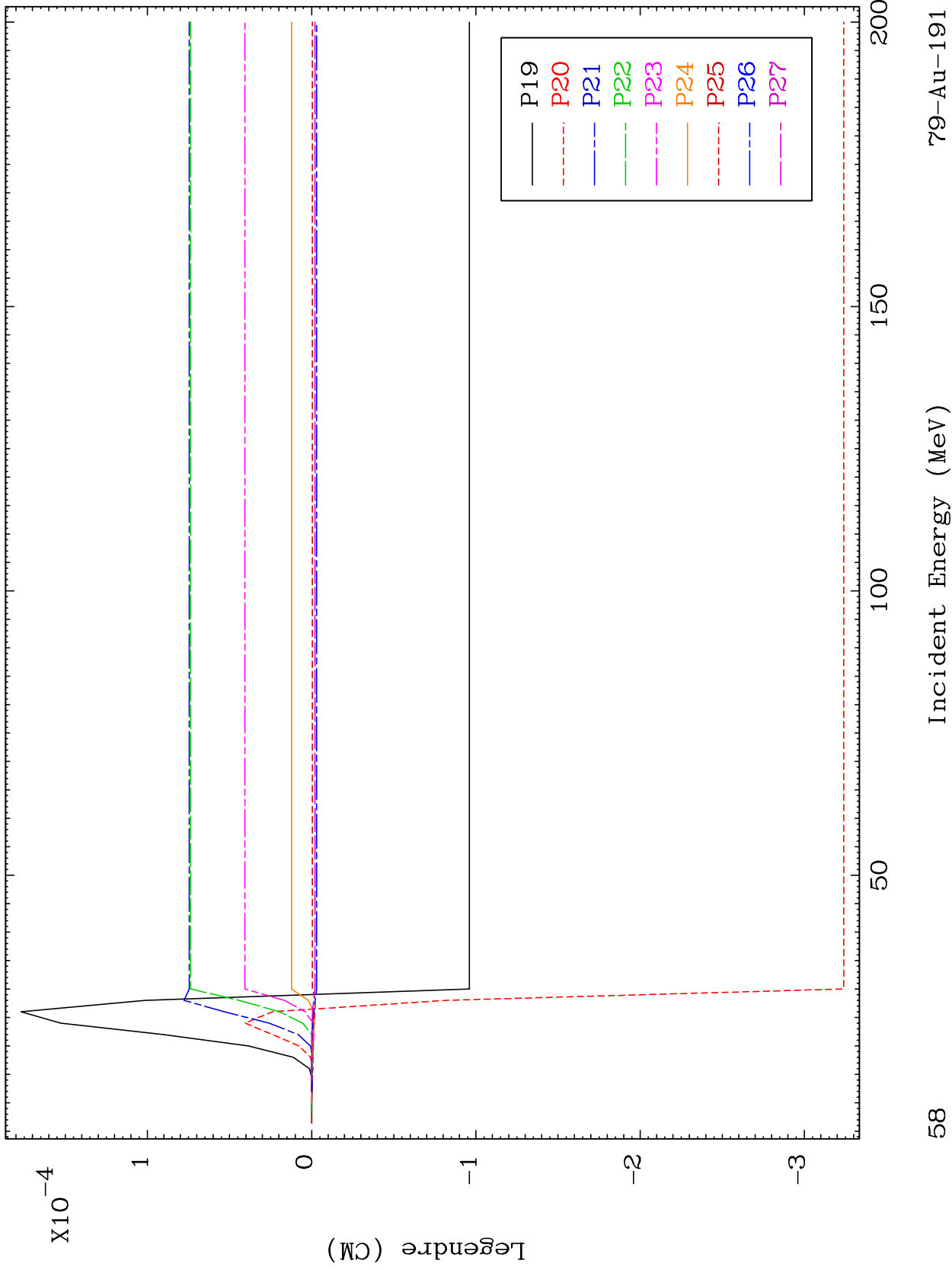


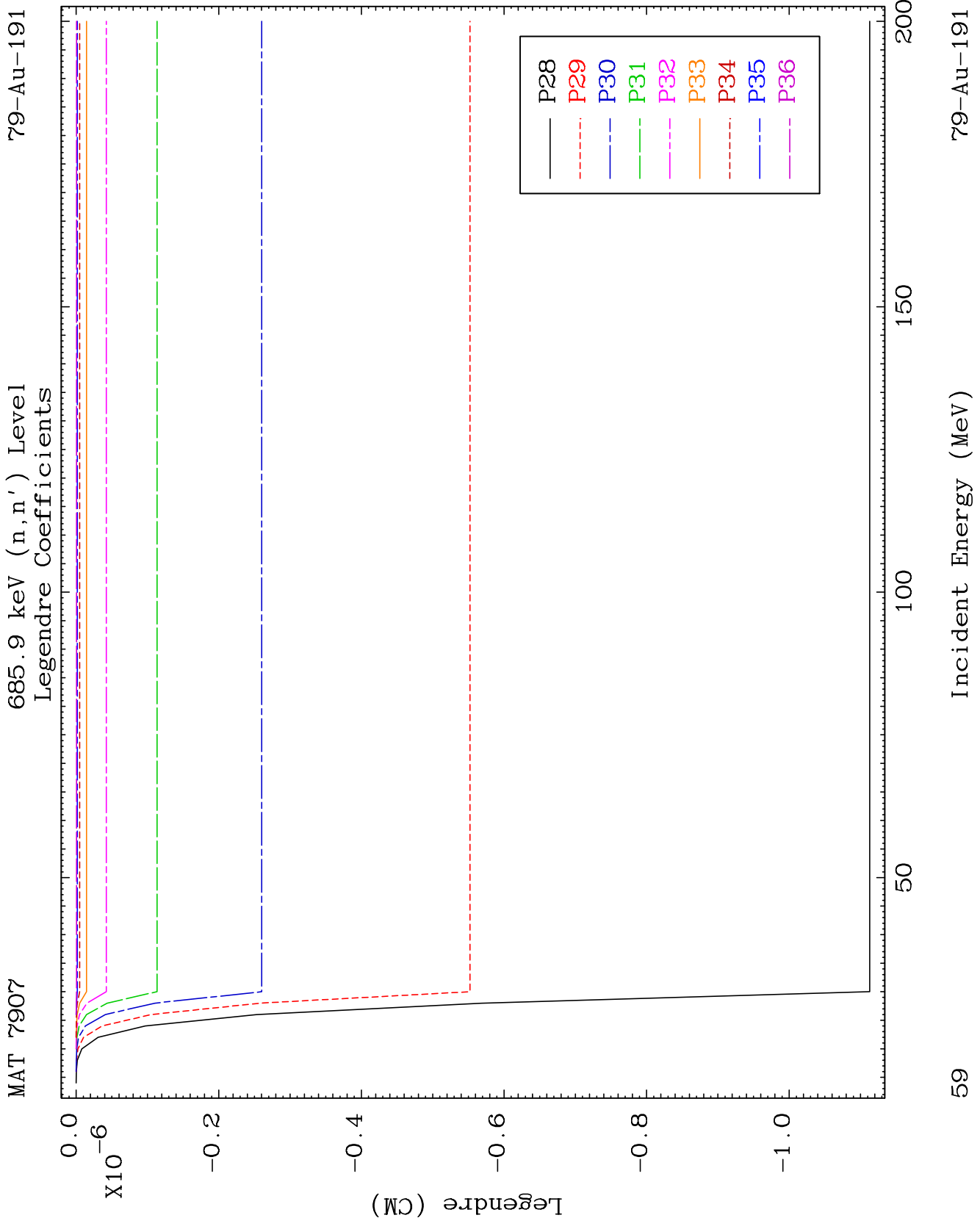
79-Au-191

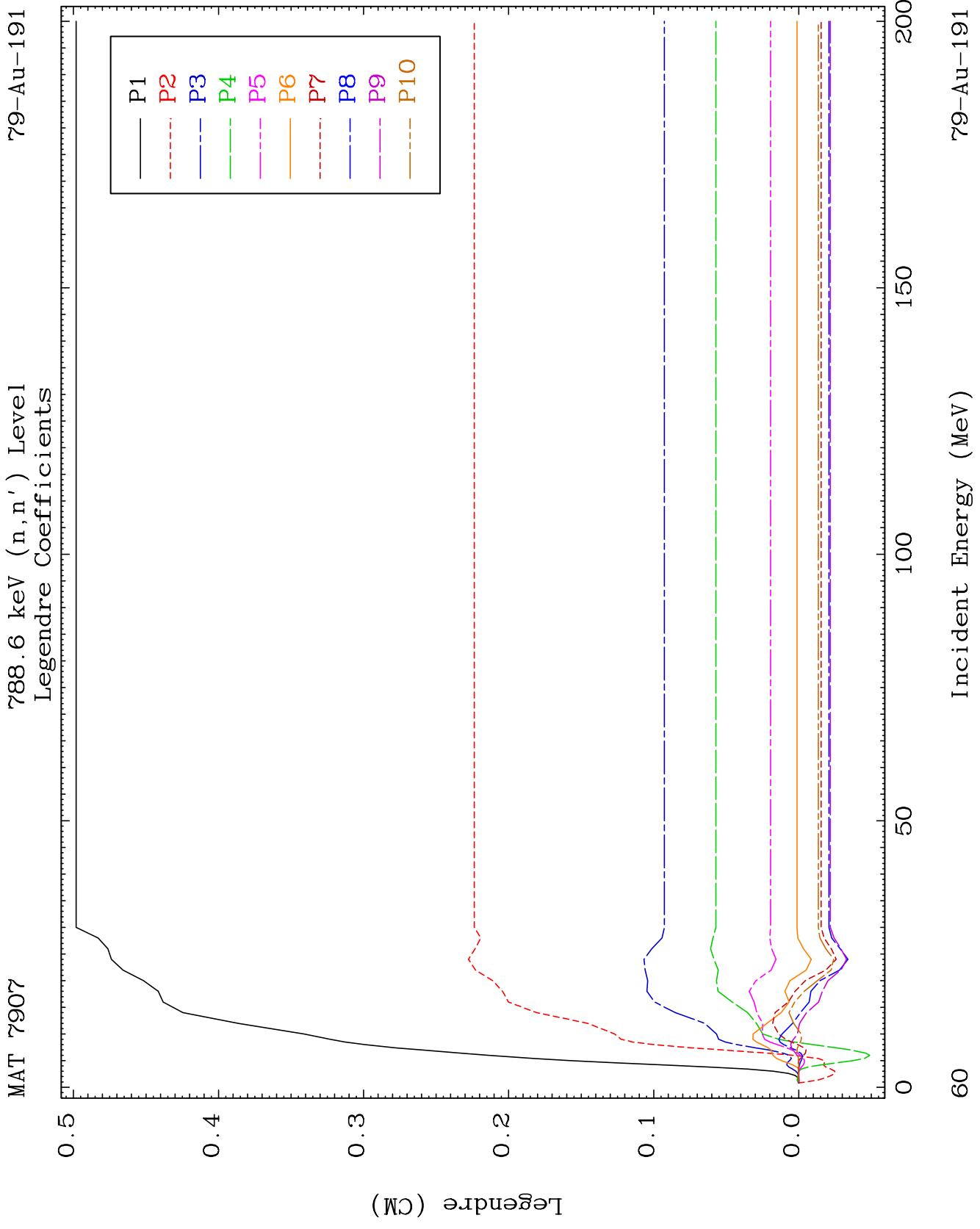
Incident Energy (MeV)

56





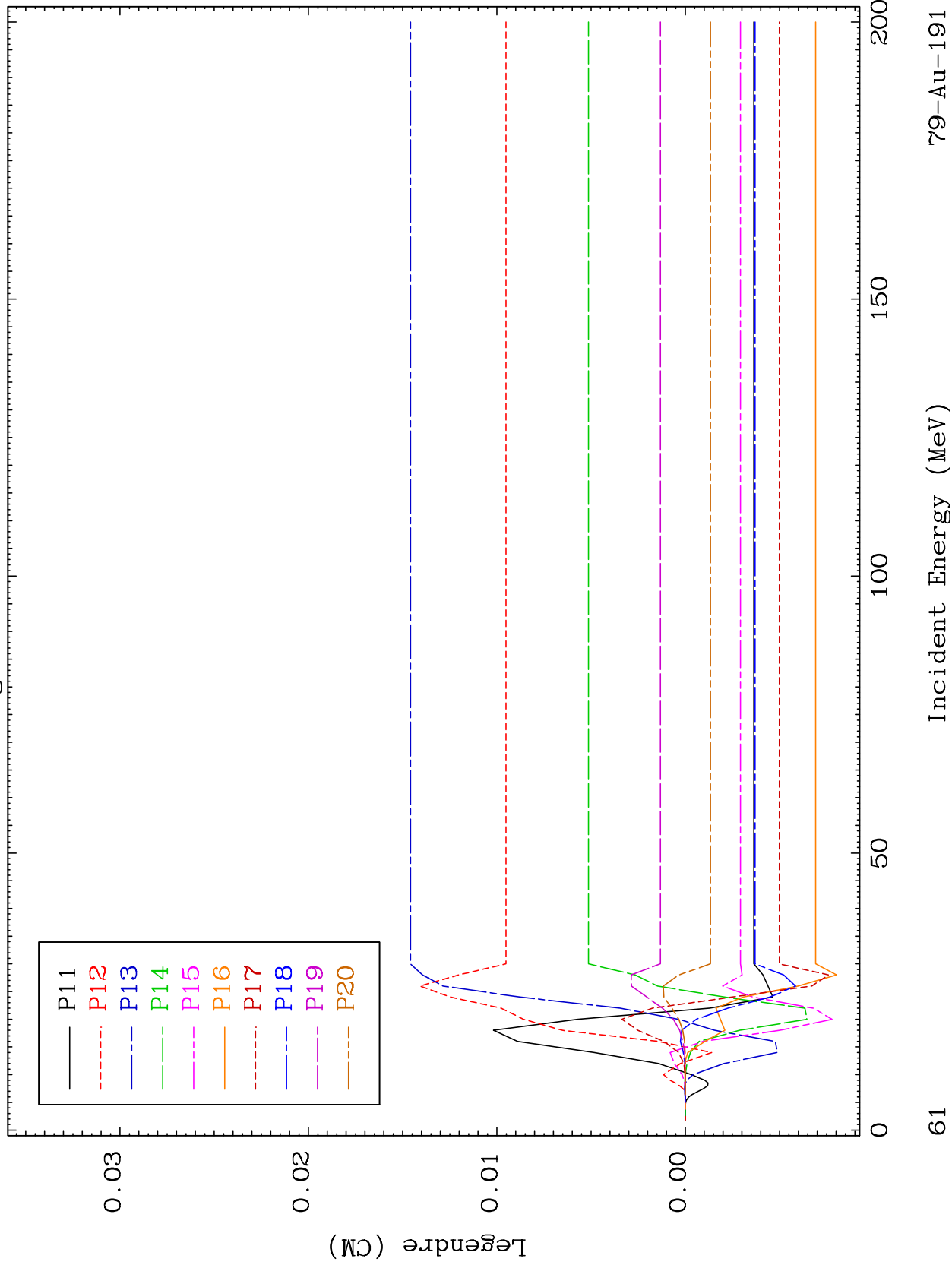




MAT 7907

788.6 keV (n,n') Level  
Legendre Coefficients

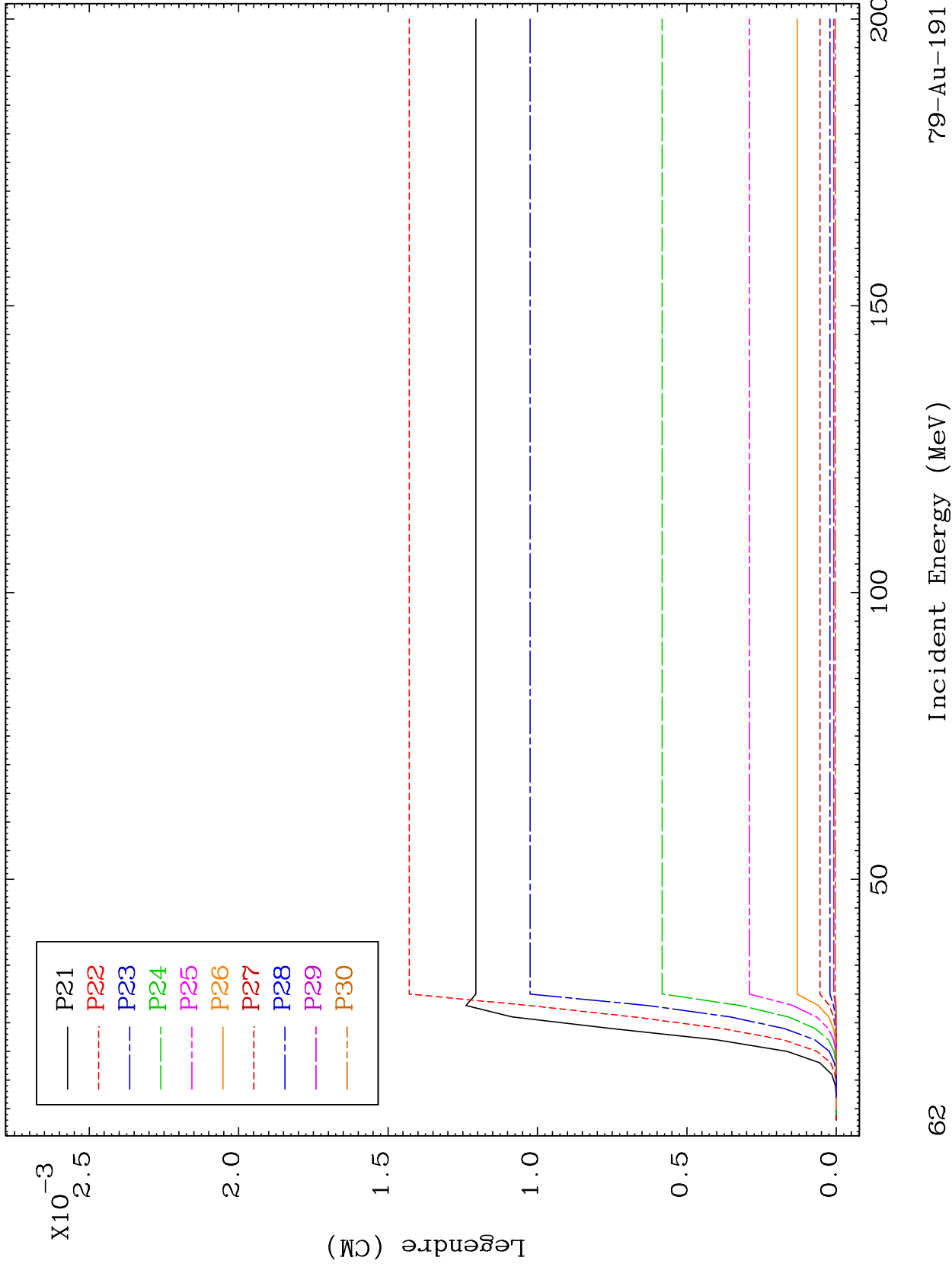
79-Au-191



79-Au-191

Incident Energy (MeV)

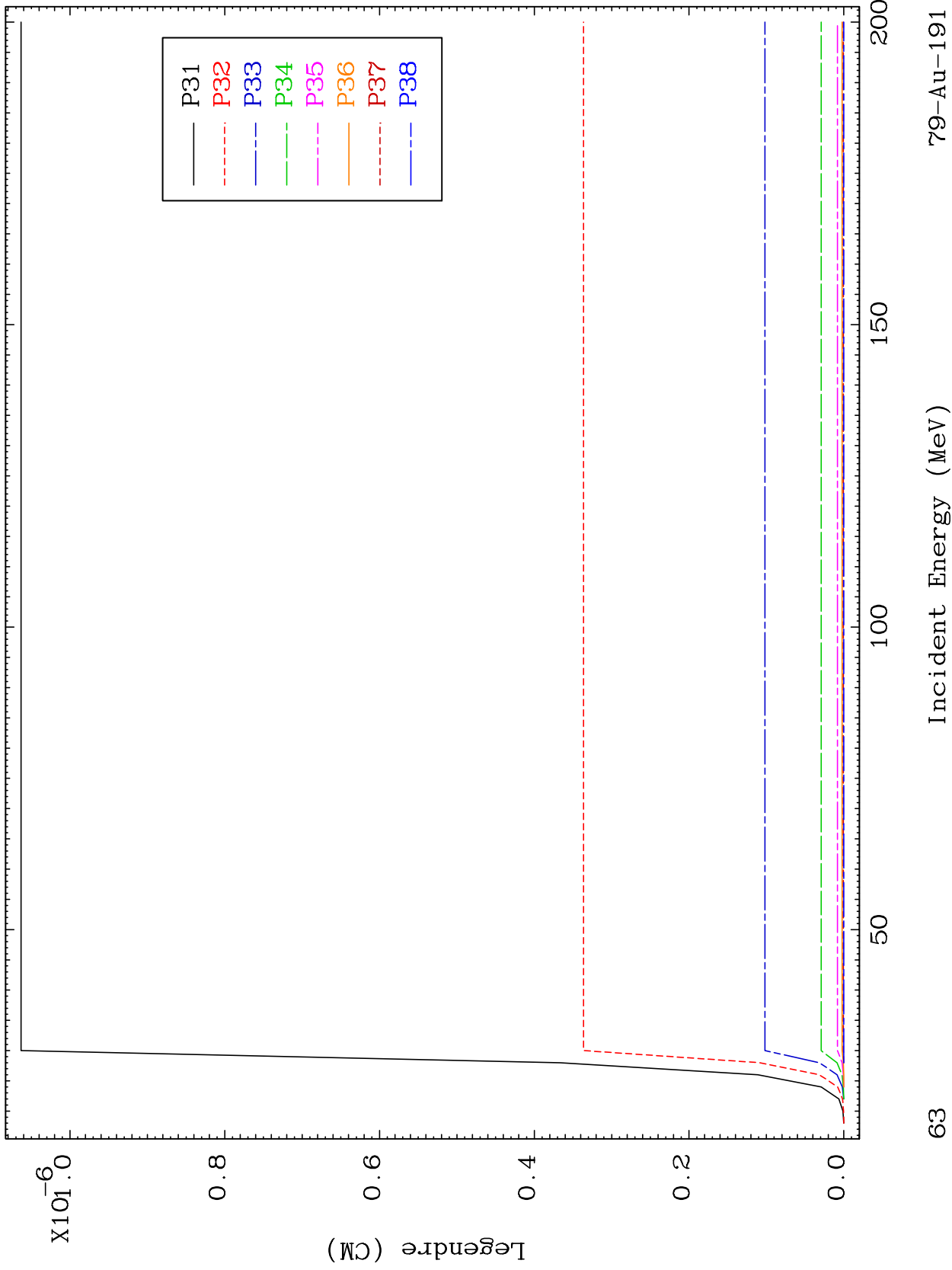
61



MAT 7907

788.6 keV (n,n') Level  
Legendre Coefficients

79-Au-191



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Incident Energy (MeV)

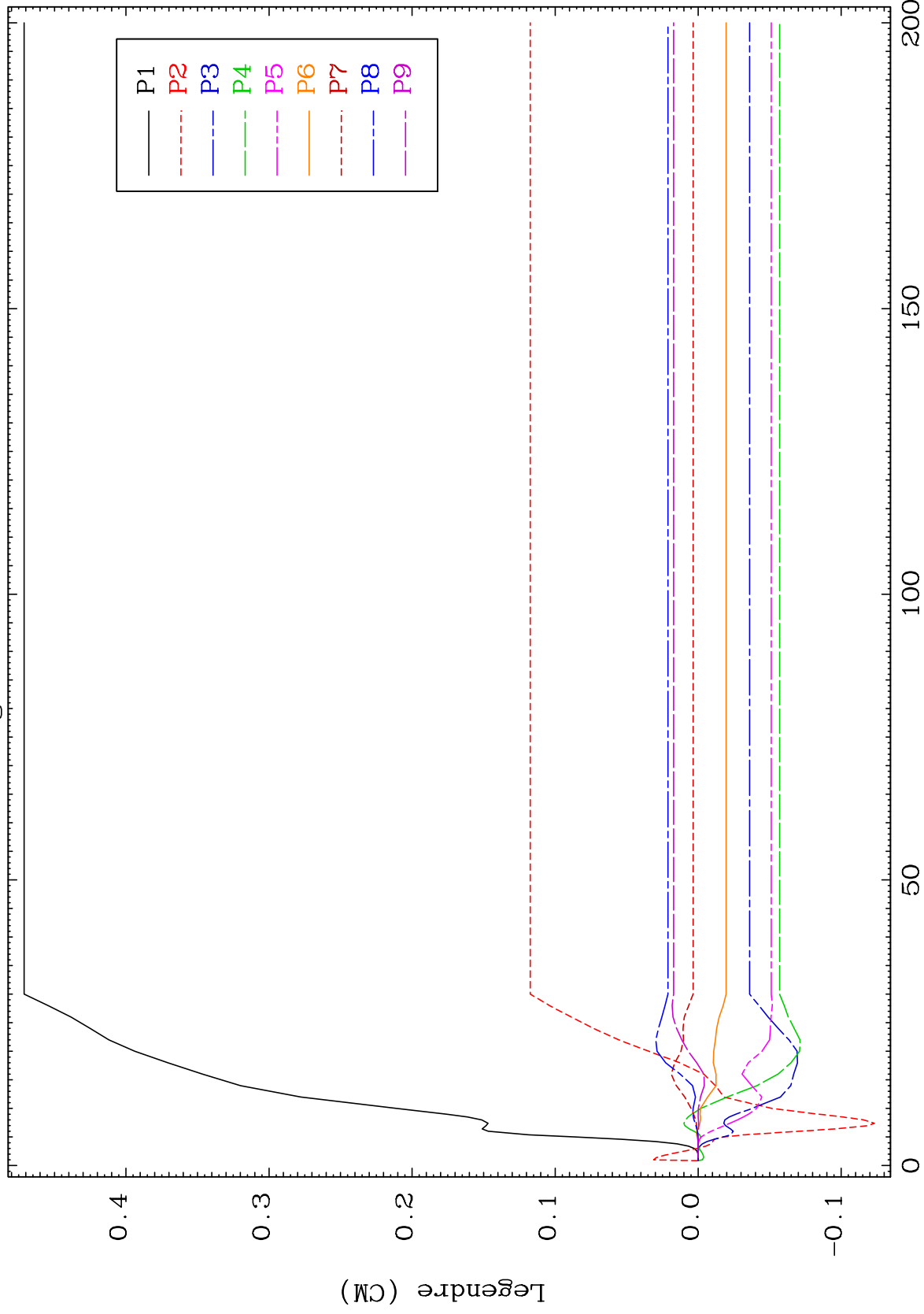
79-Au-191



MAT 7907

844.8 keV (n,n') Level  
Legendre Coefficients

79-Au-191



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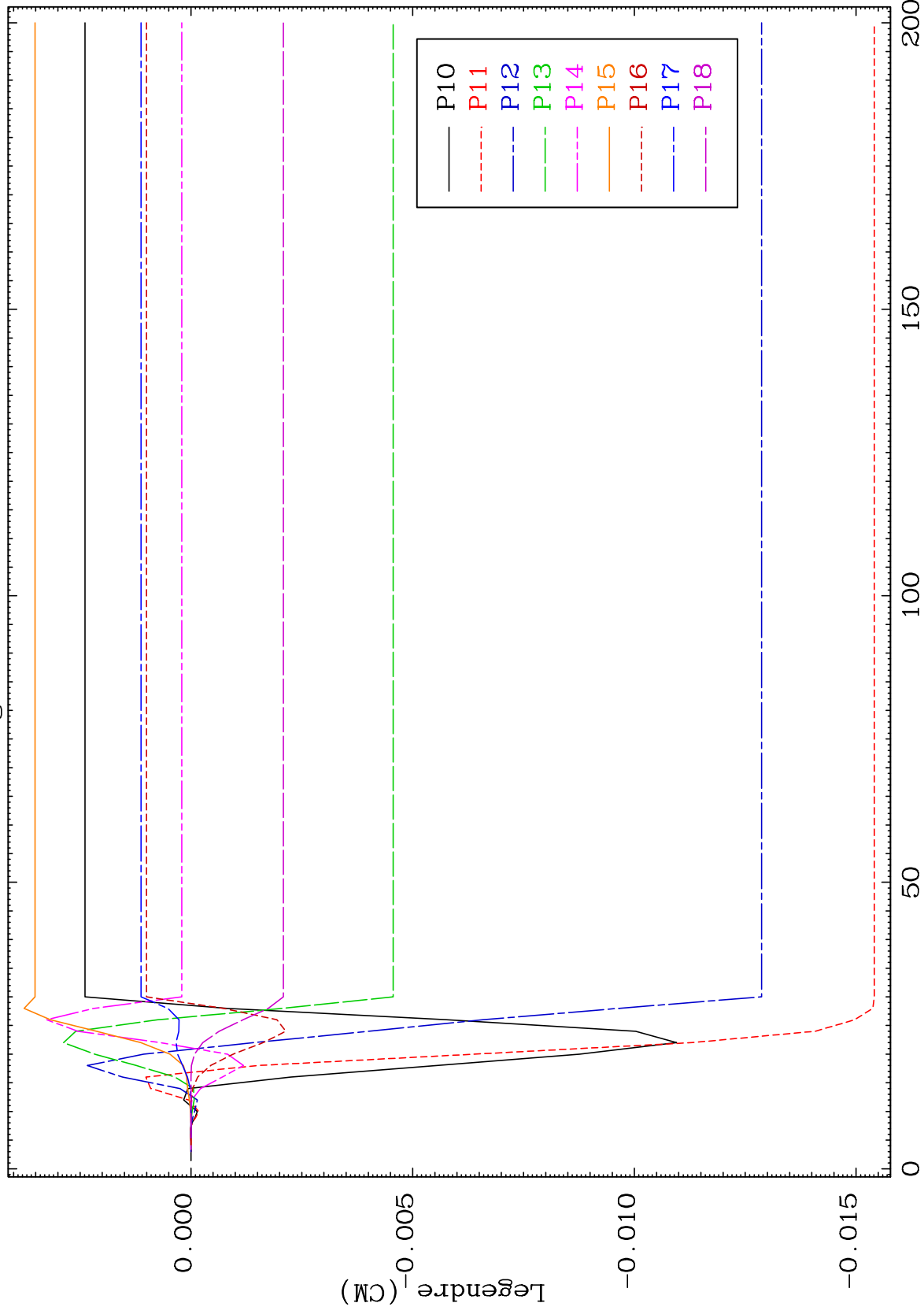
Incident Energy (MeV)

79-Au-191

MAT 7907

844.8 keV (n,n') Level  
Legendre Coefficients

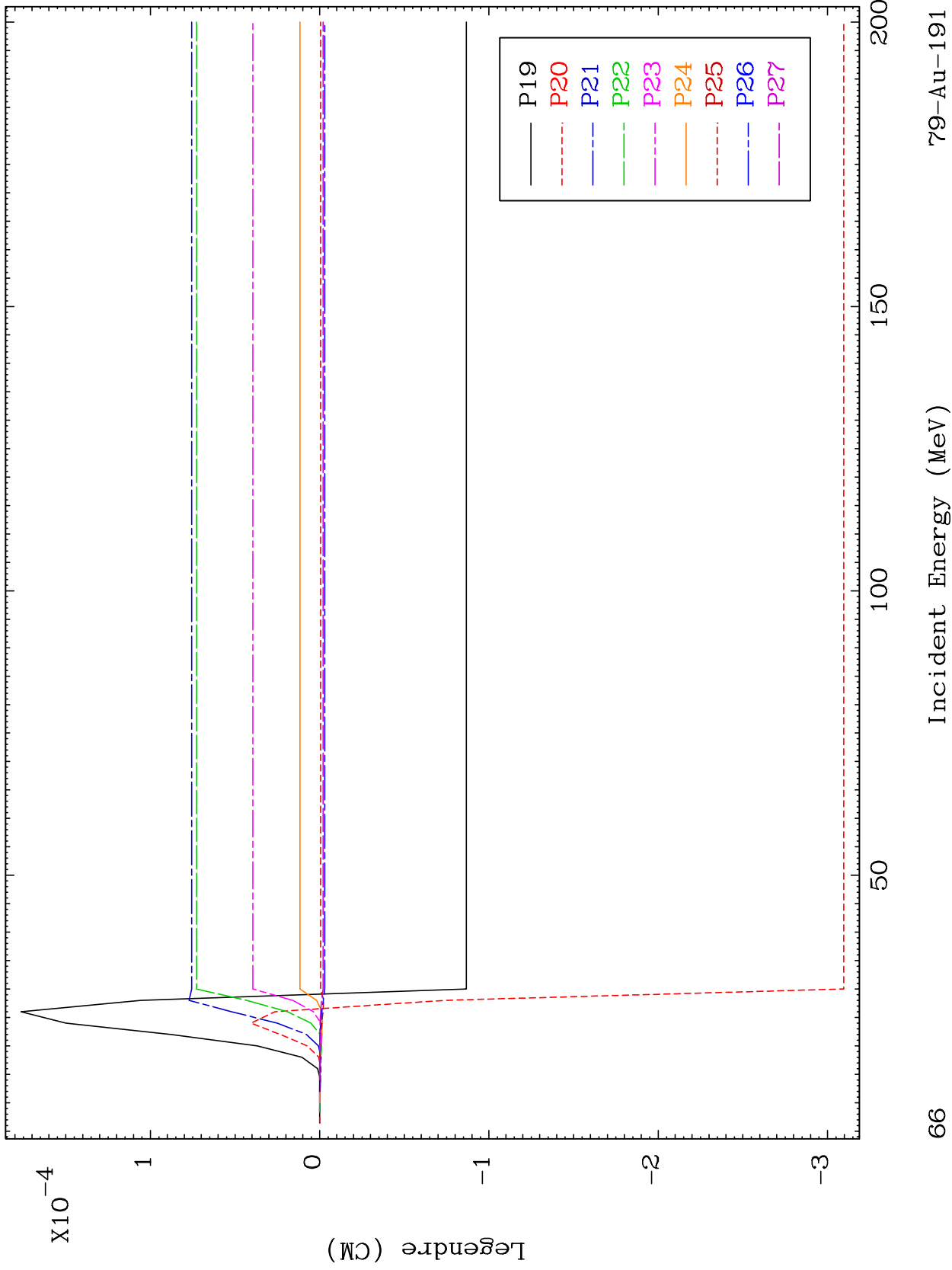
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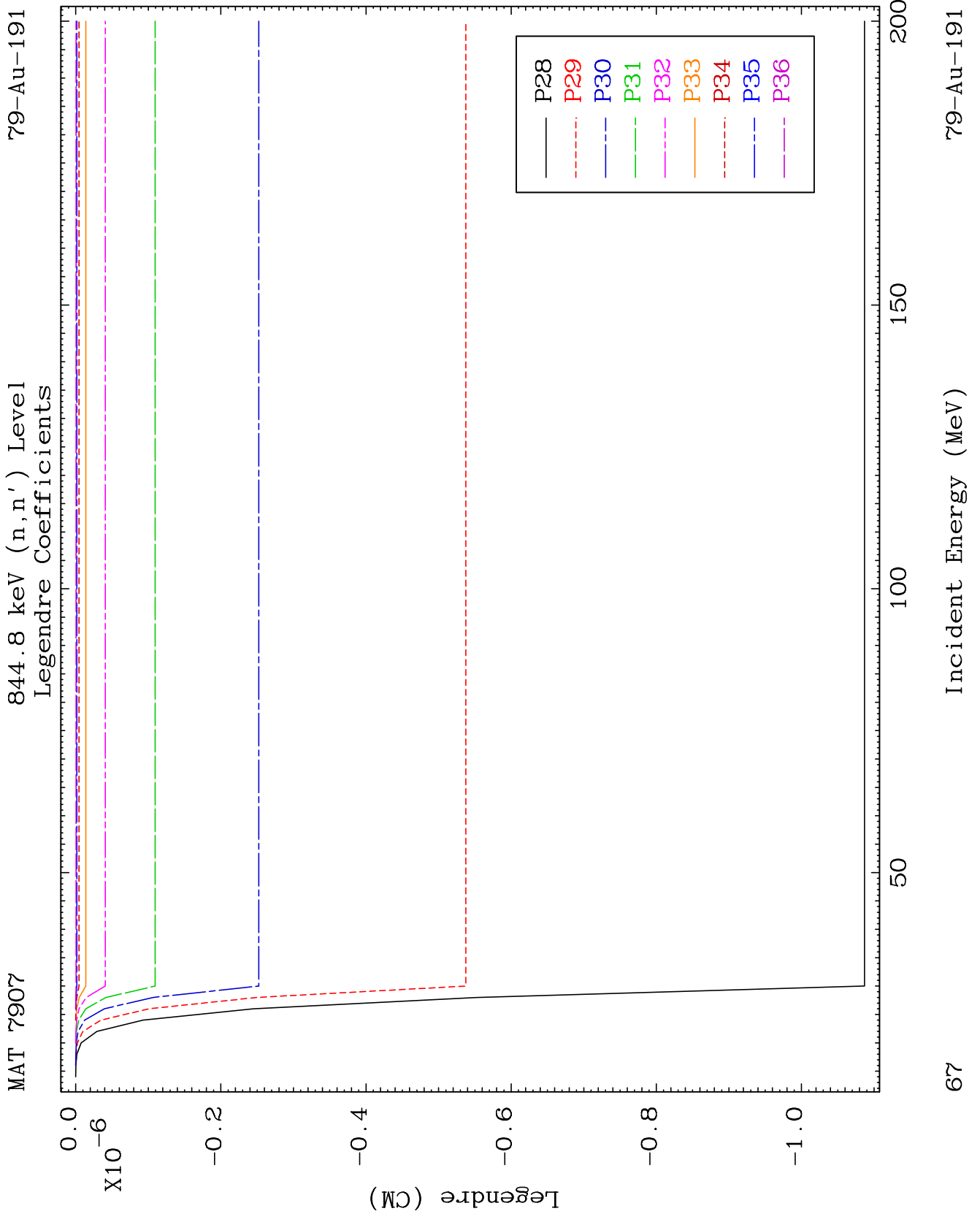


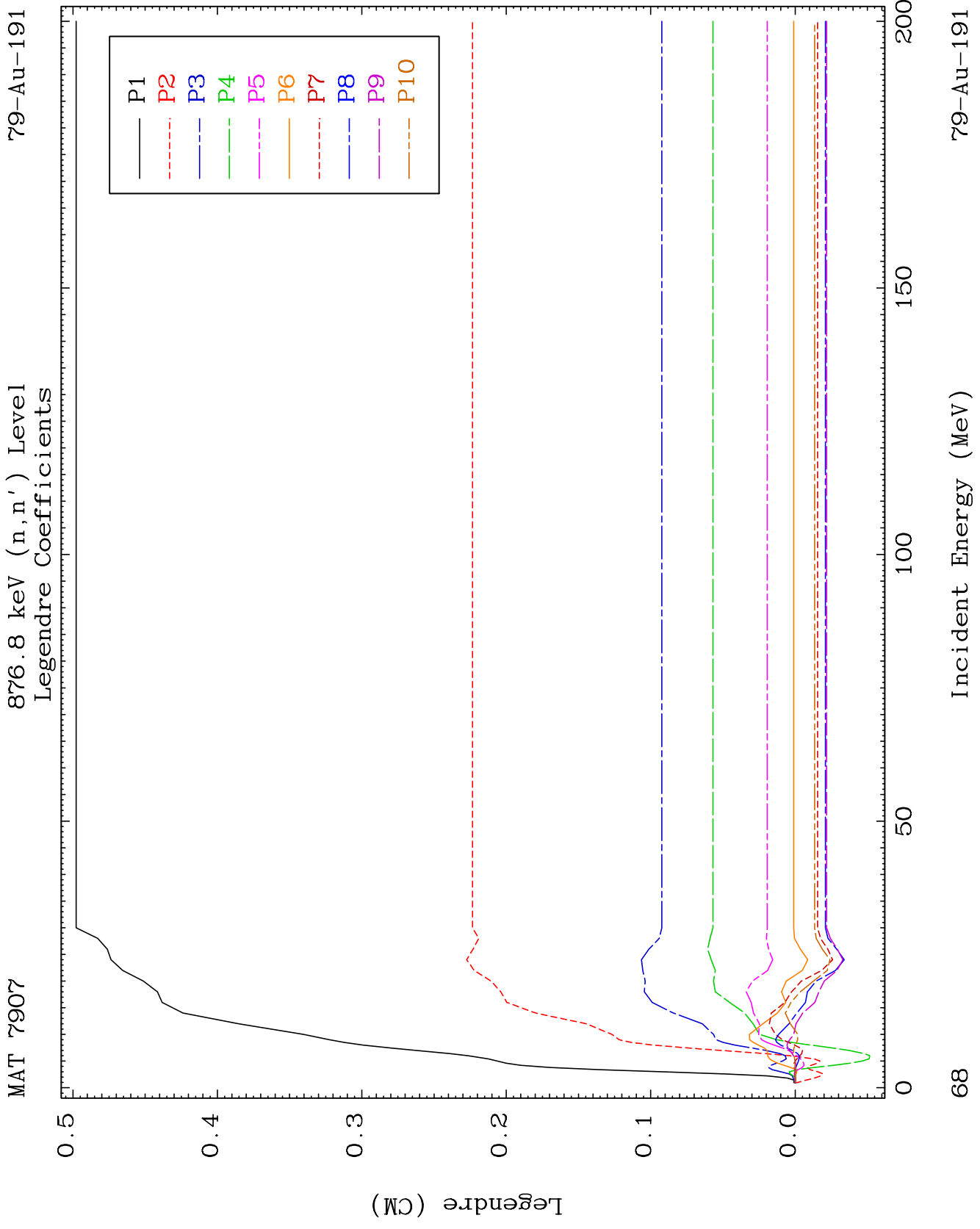
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Incident Energy (MeV)

79-Au-191



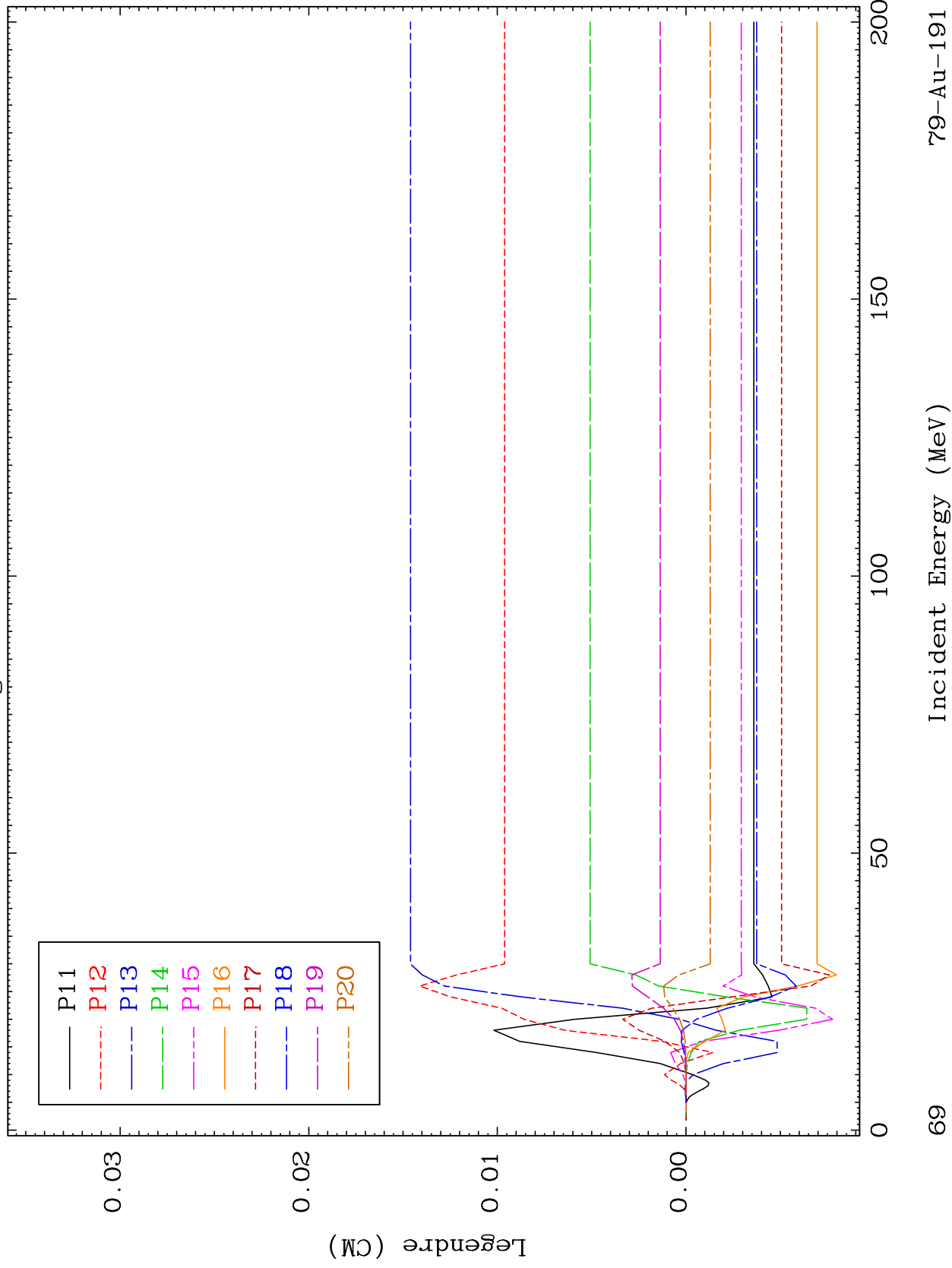




MAT 7907

876.8 keV (n,n') Level  
Legendre Coefficients

79-Au-191



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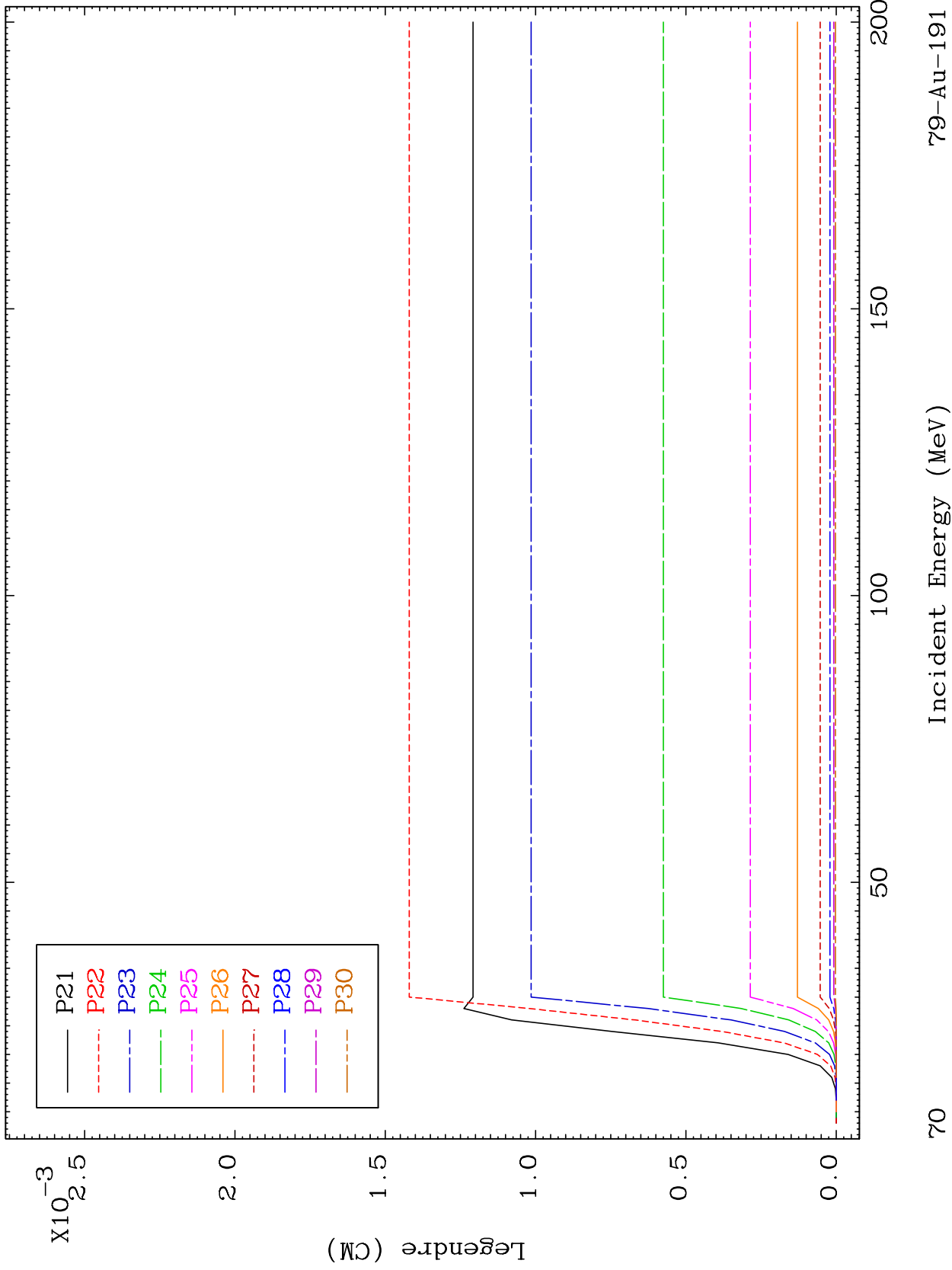
Incident Energy (MeV)

79-Au-191

MAT 7907

876.8 keV (n,n') Level  
Legendre Coefficients

79-Au-191



79-Au-191

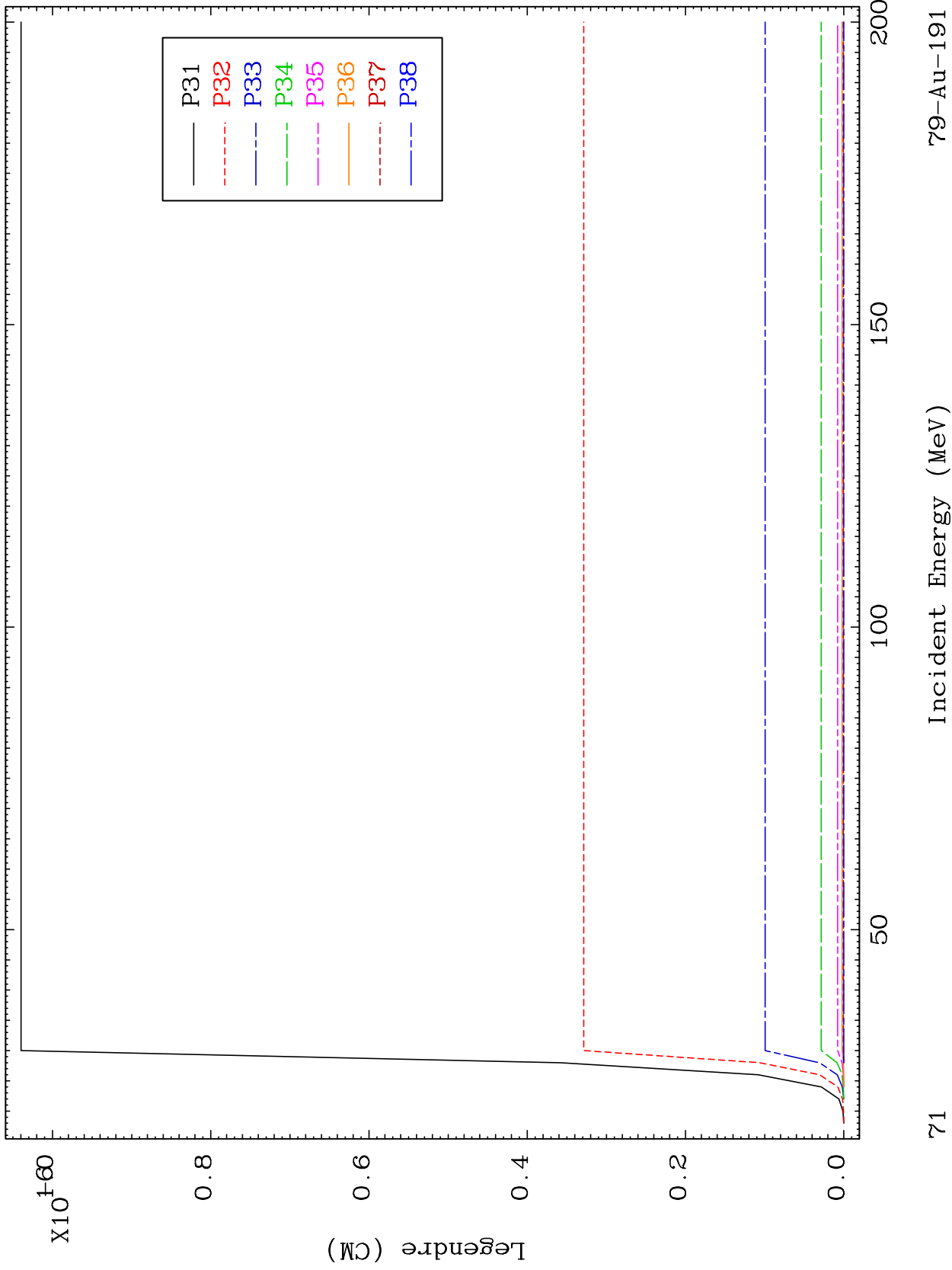
Incident Energy (MeV)

70

MAT 7907

876.8 keV (n,n') Level  
Legendre Coefficients

79-Au-191

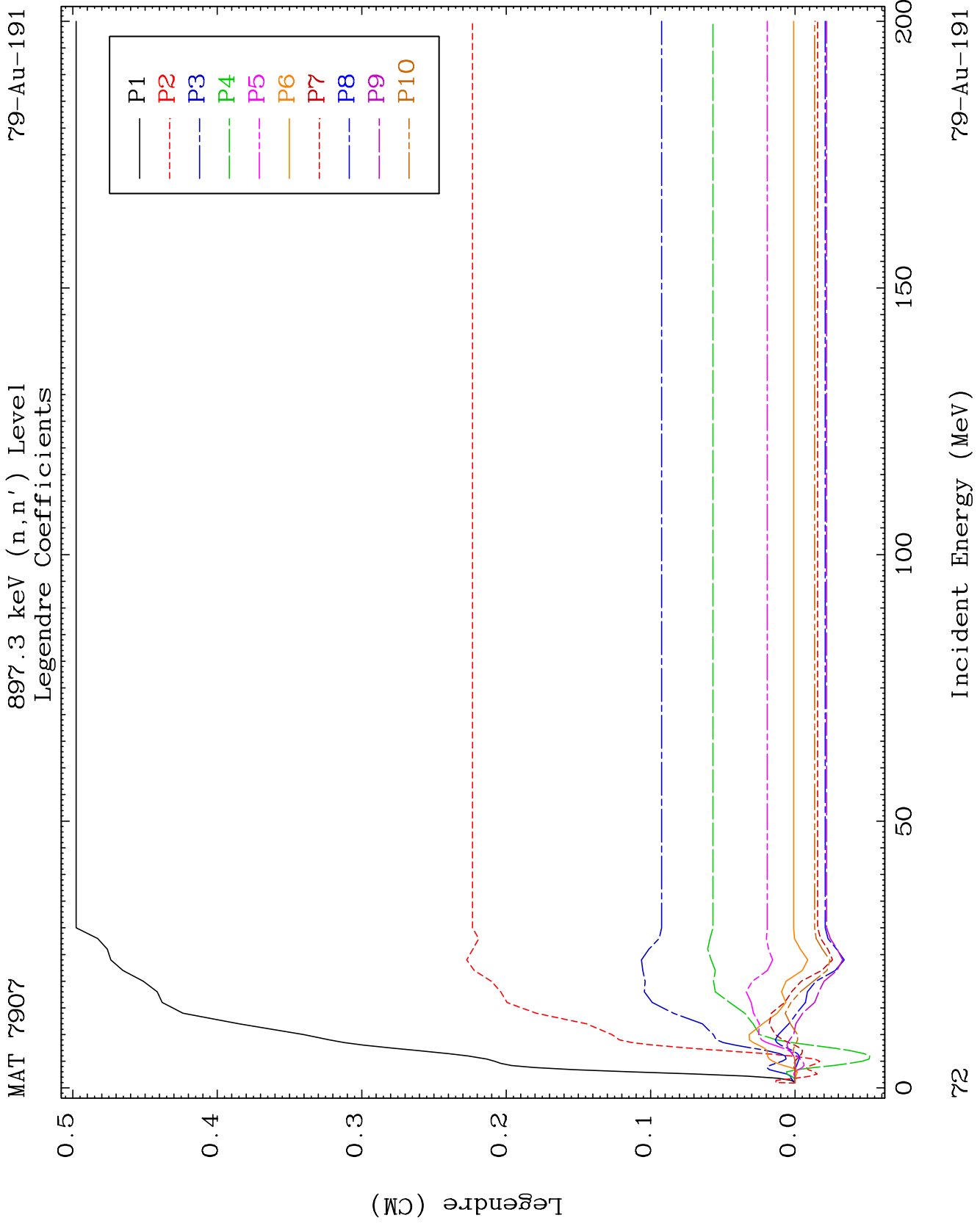


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Incident Energy (MeV)

79-Au-191

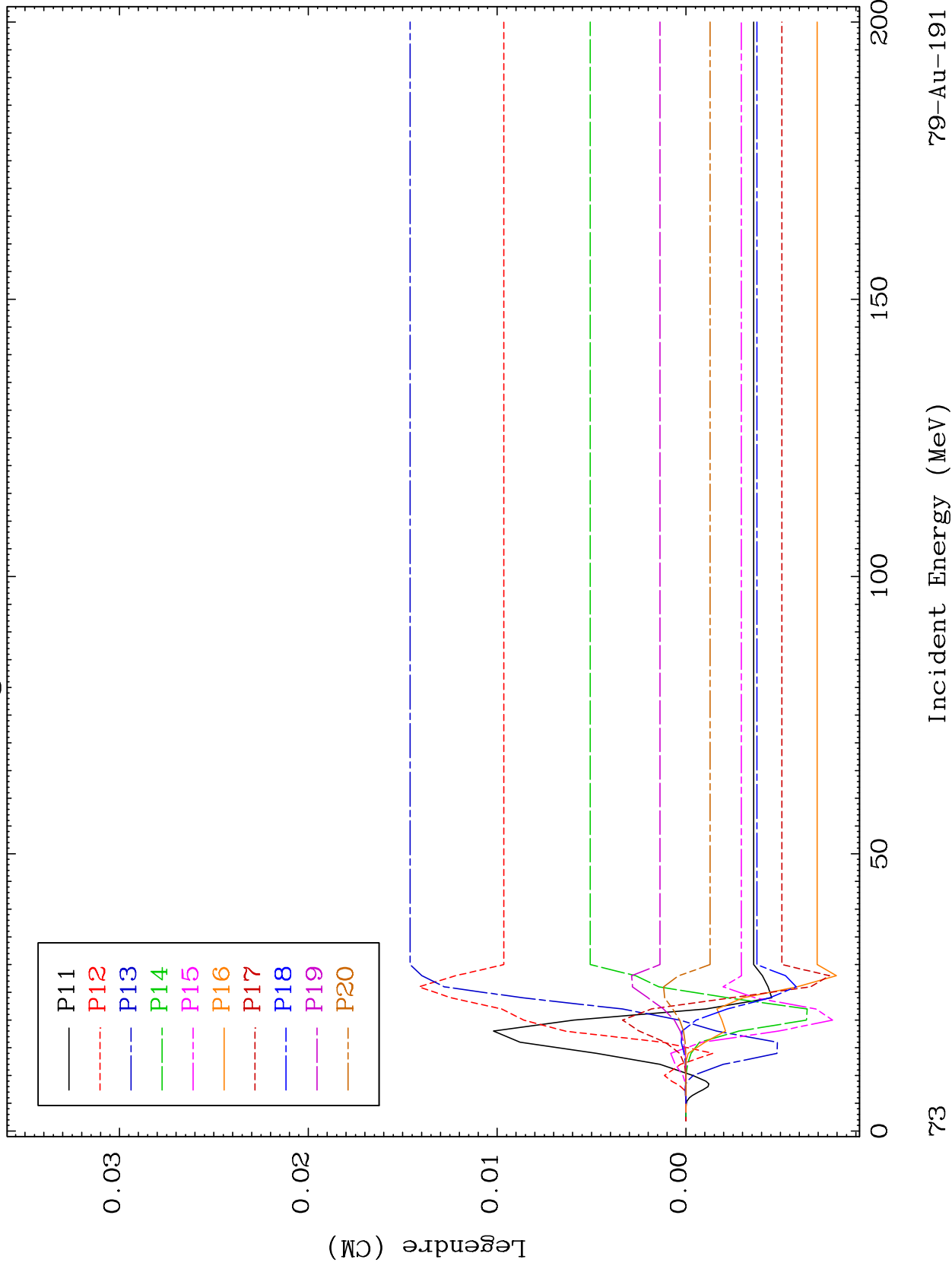




MAT 7907

897.3 keV (n,n') Level  
Legendre Coefficients

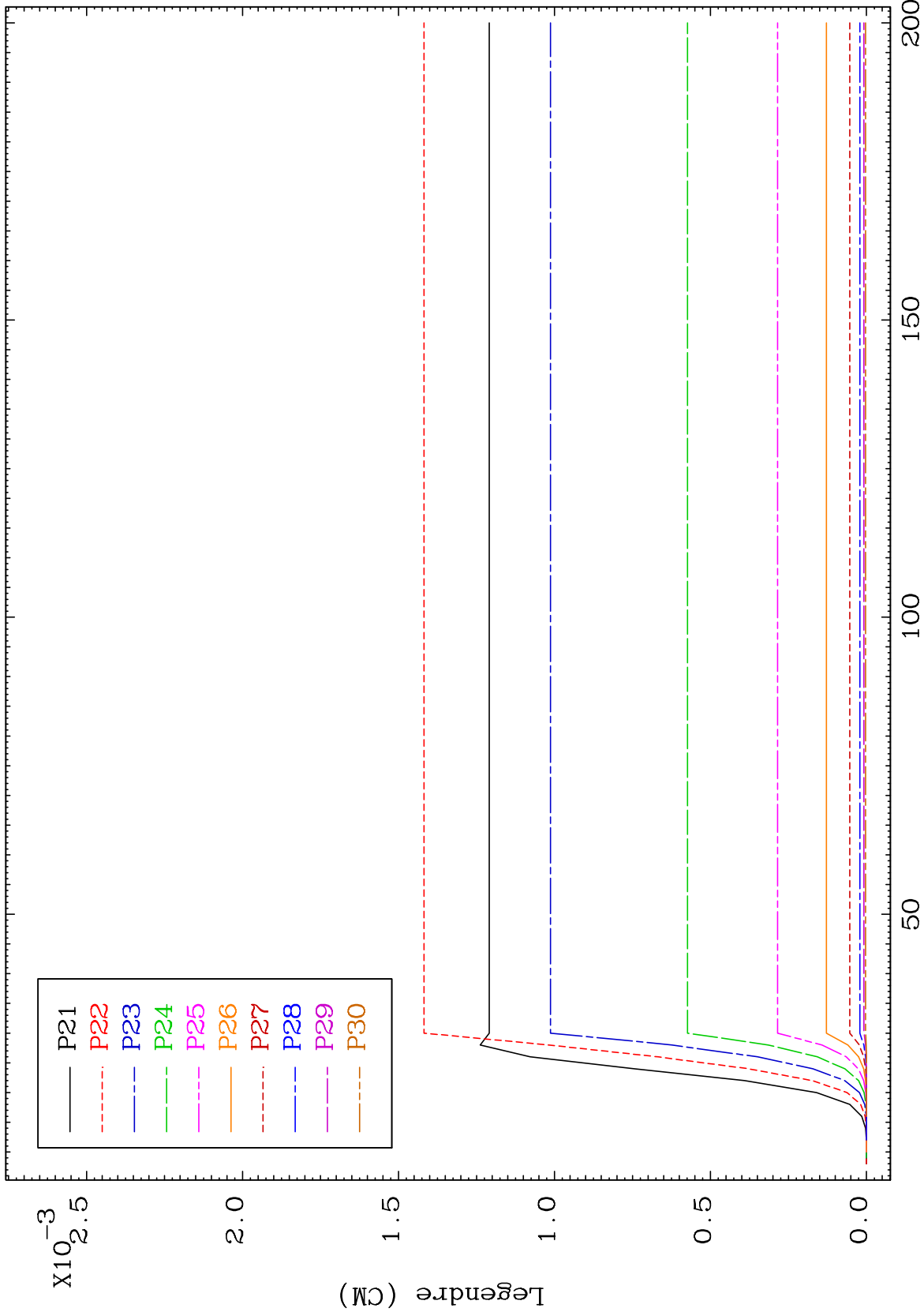
79-Au-191



79-Au-191

Incident Energy (MeV)

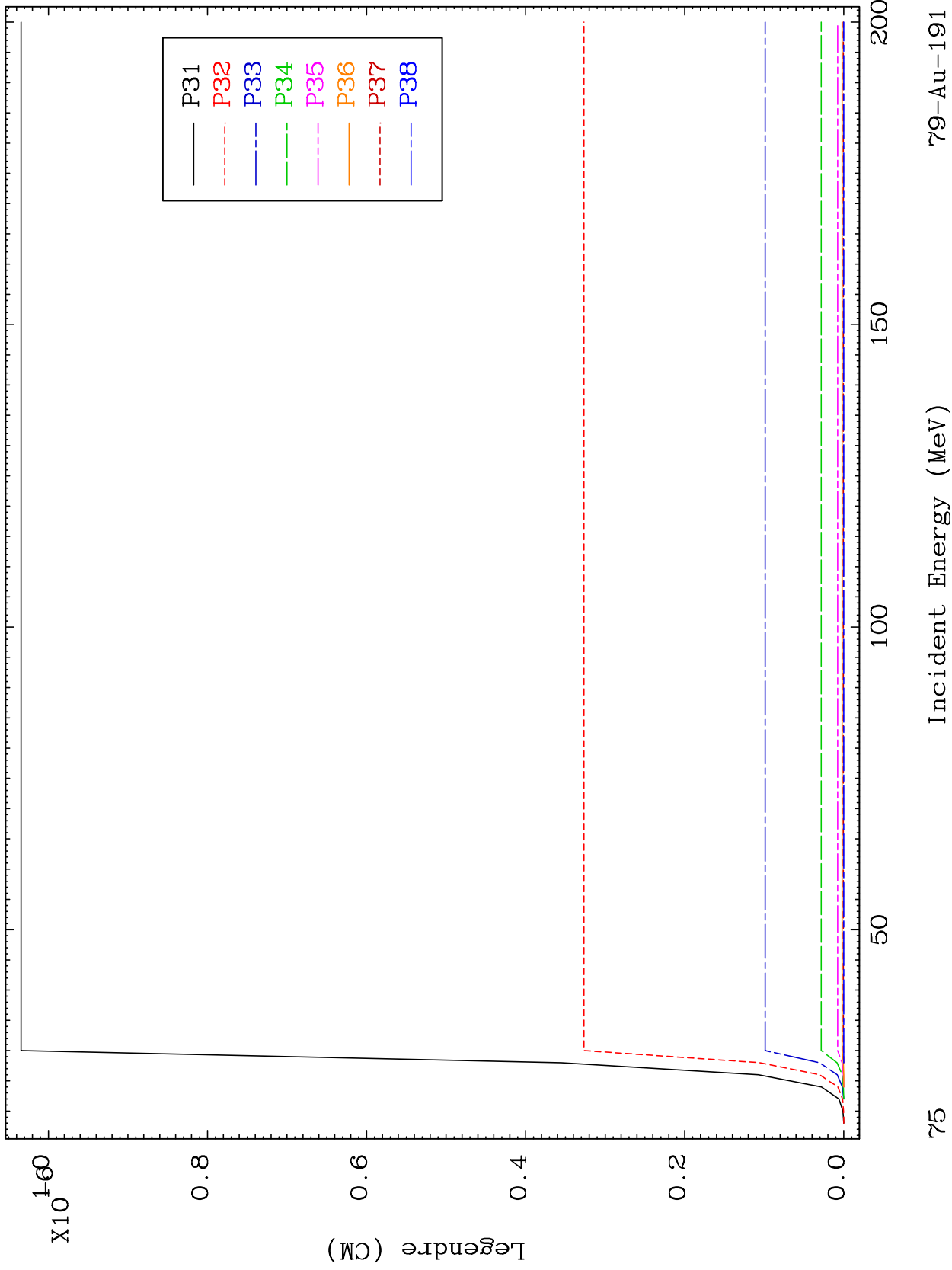
73



MAT 7907

897.3 keV (n,n') Level  
Legendre Coefficients

79-Au-191



75

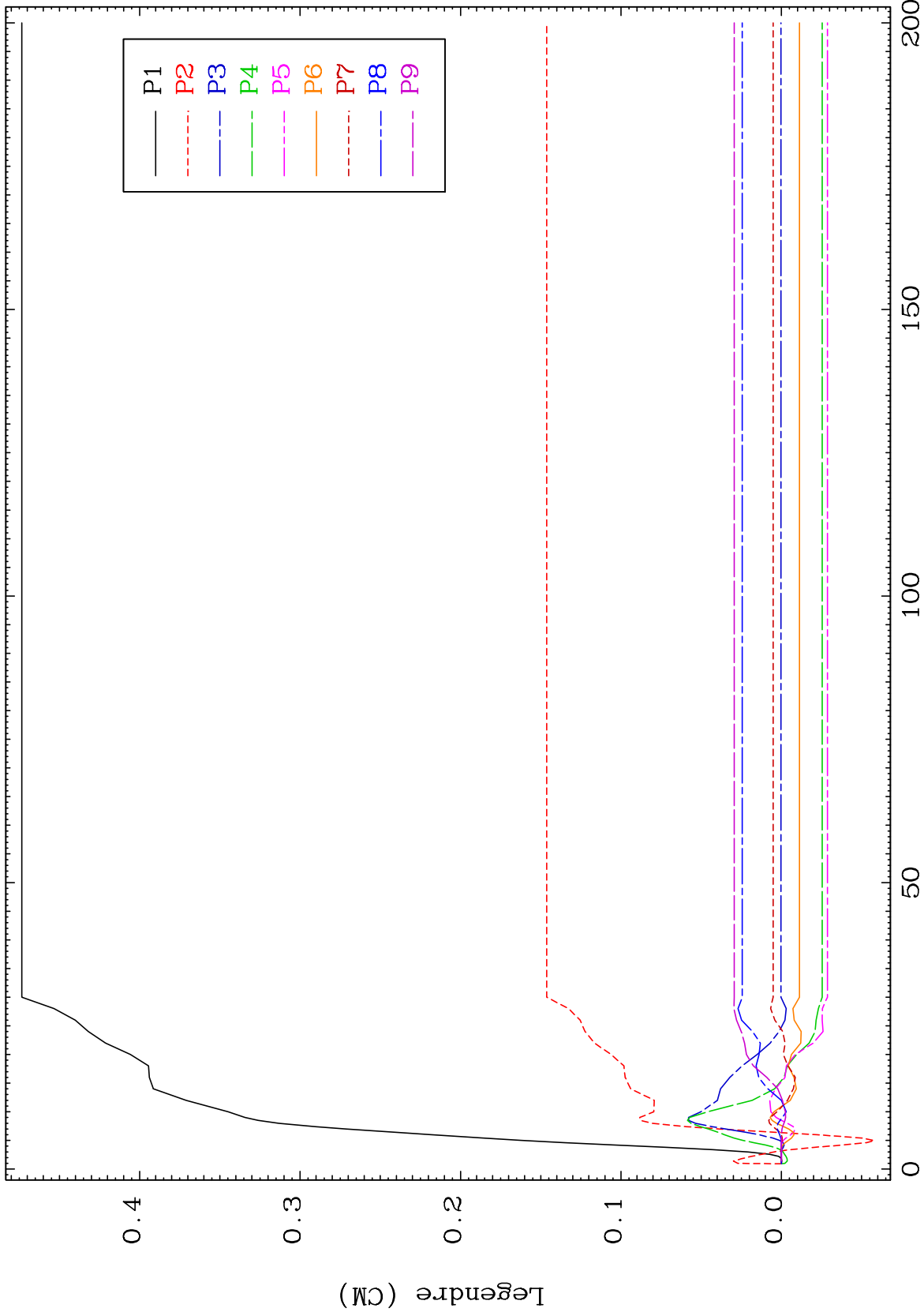
Incident Energy (MeV)

79-Au-191

MAT 7907

911.5 keV (n,n') Level  
Legendre Coefficients

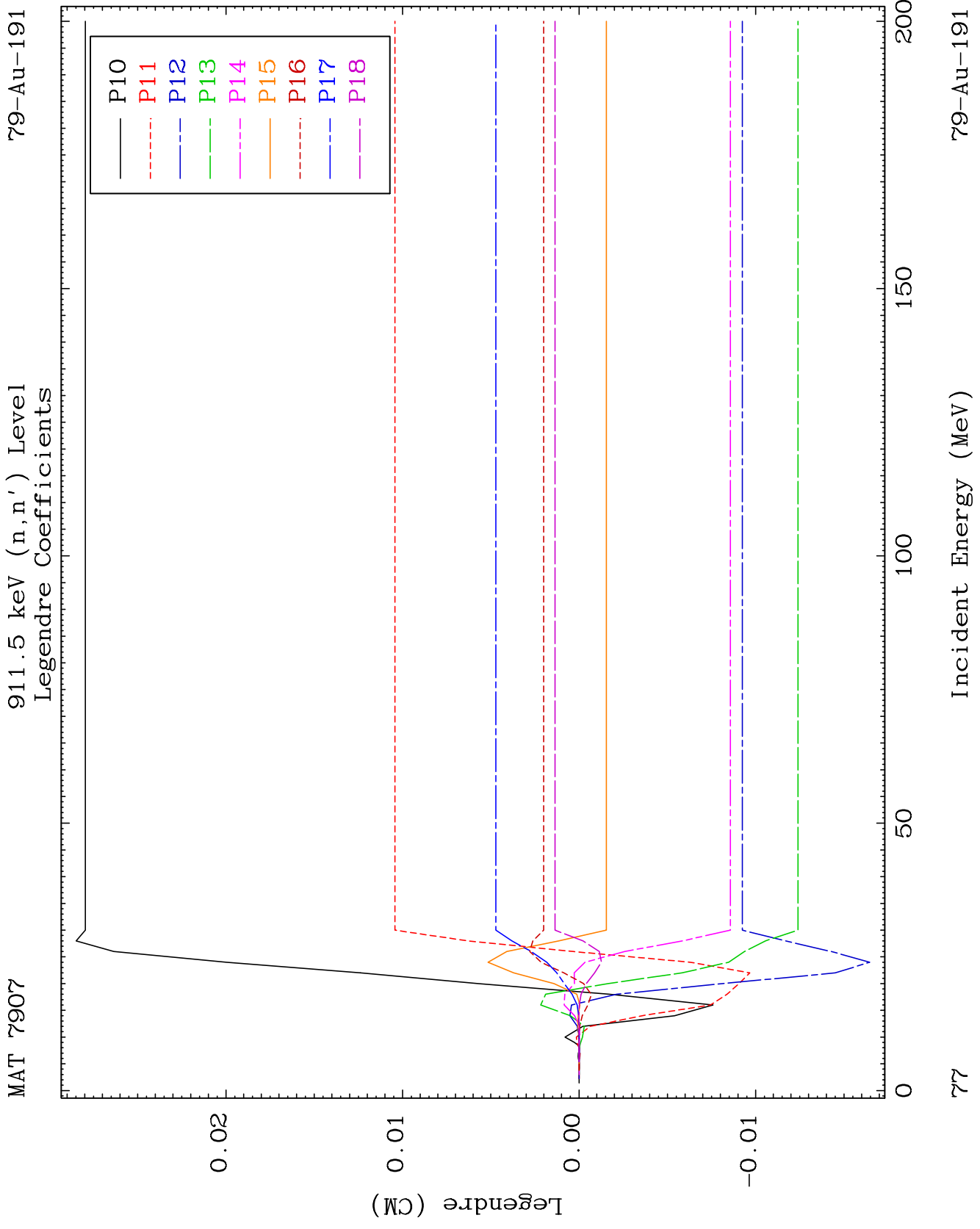
79-Au-191



76

Incident Energy (MeV)

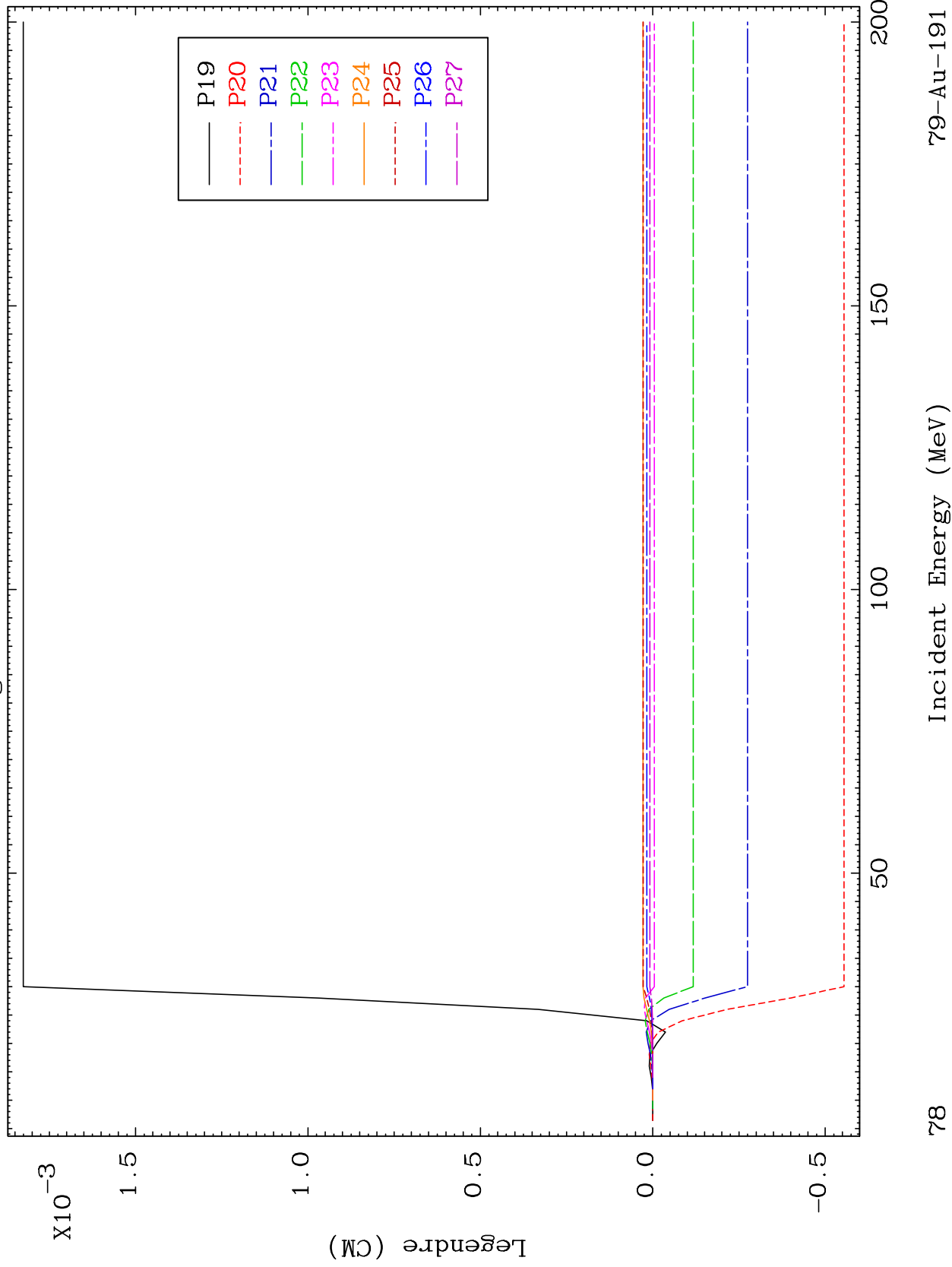
79-Au-191



MAT 7907

911.5 keV (n,n') Level  
Legendre Coefficients

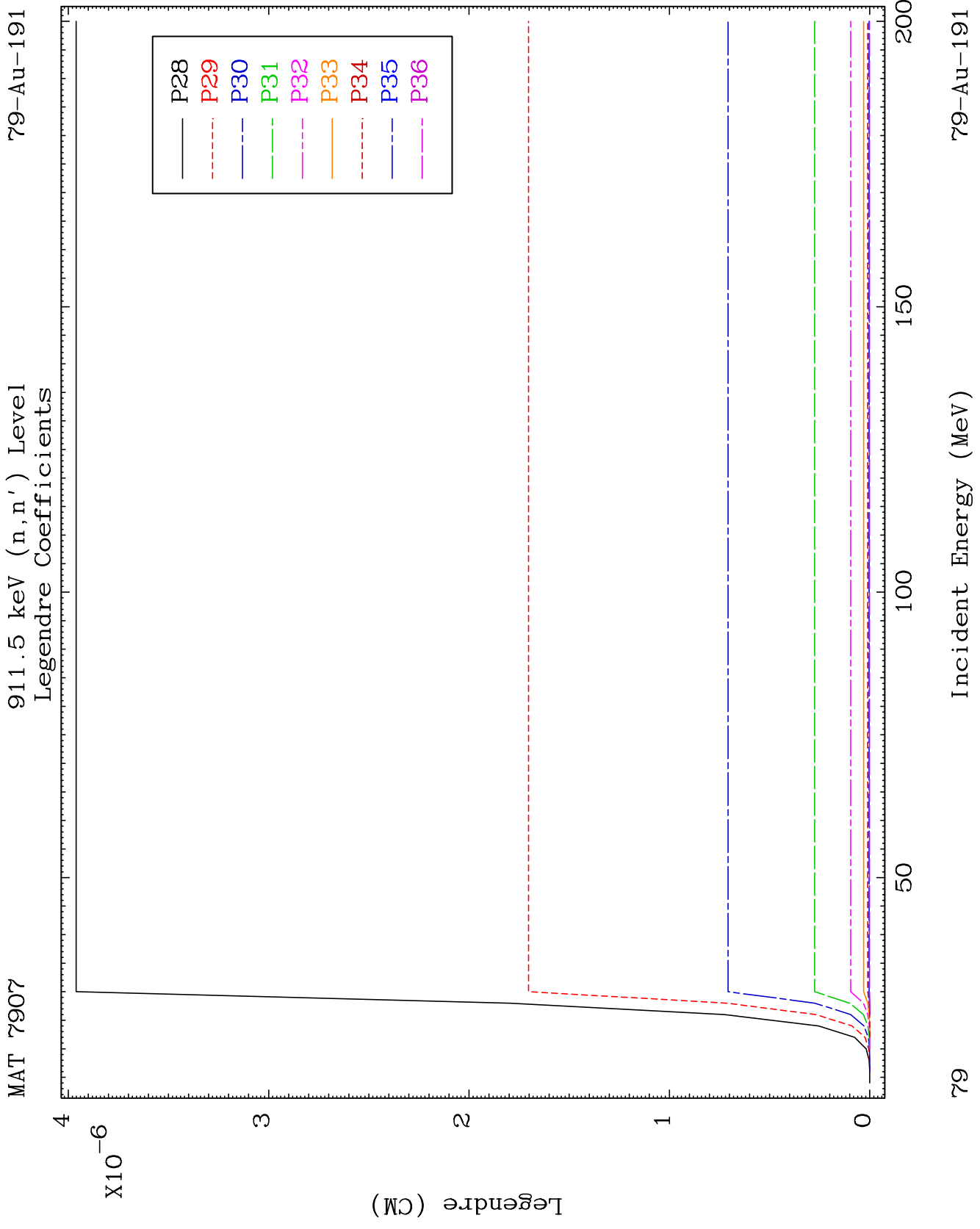
79-Au-191



78

Incident Energy (MeV)

79-Au-191

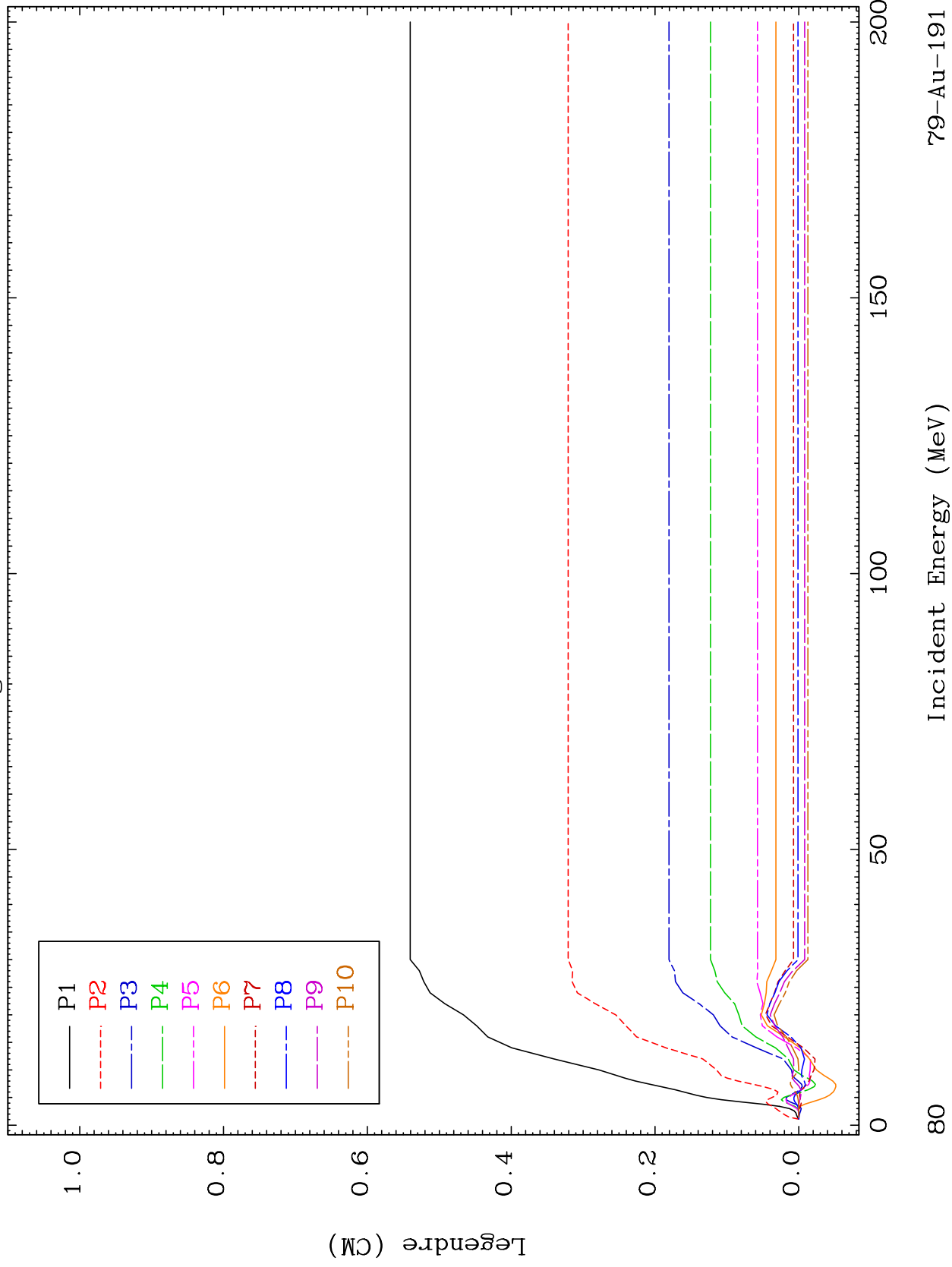


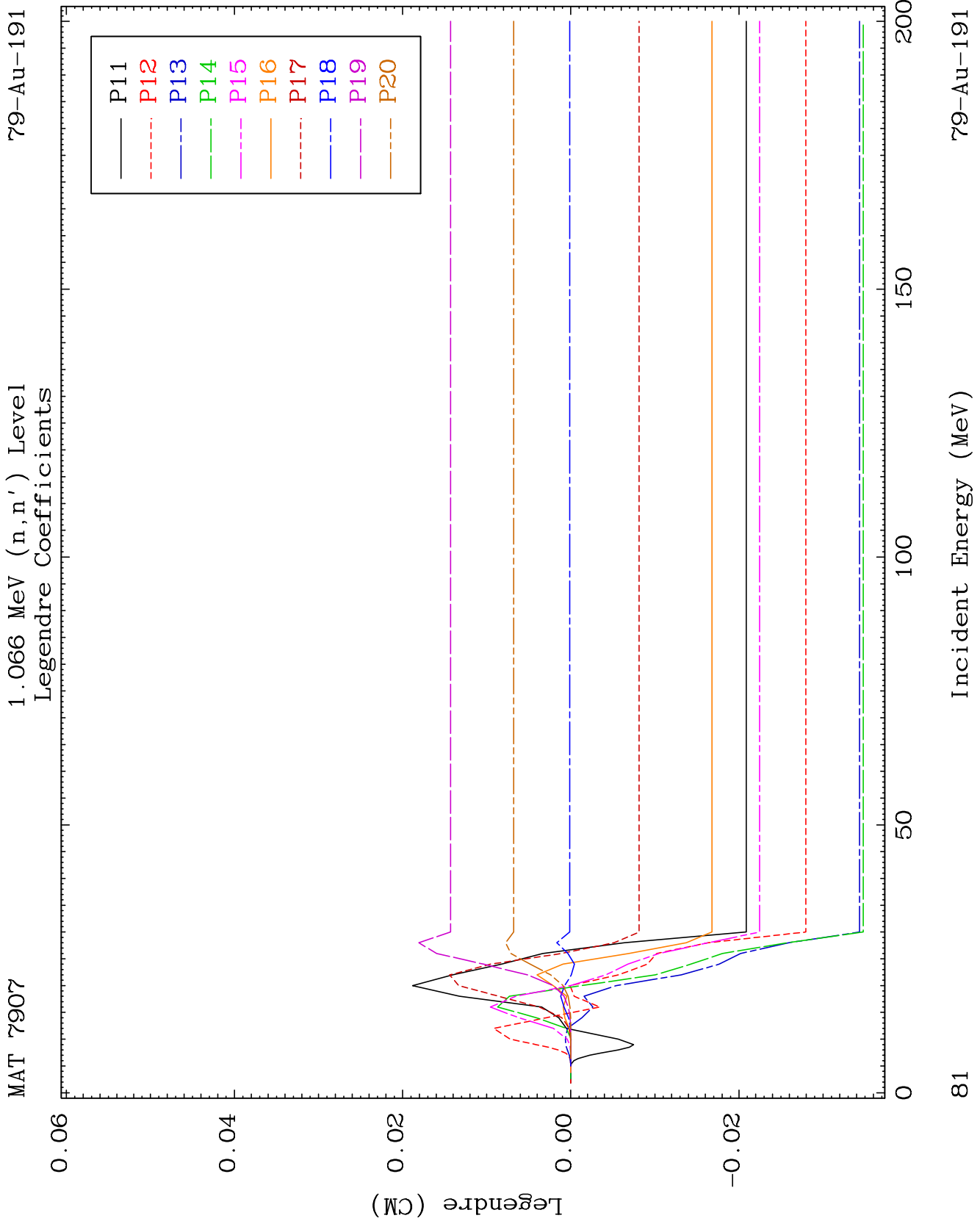


MAT 7907

1.066 MeV (n, n') Level  
Legendre Coefficients

79-Au-191

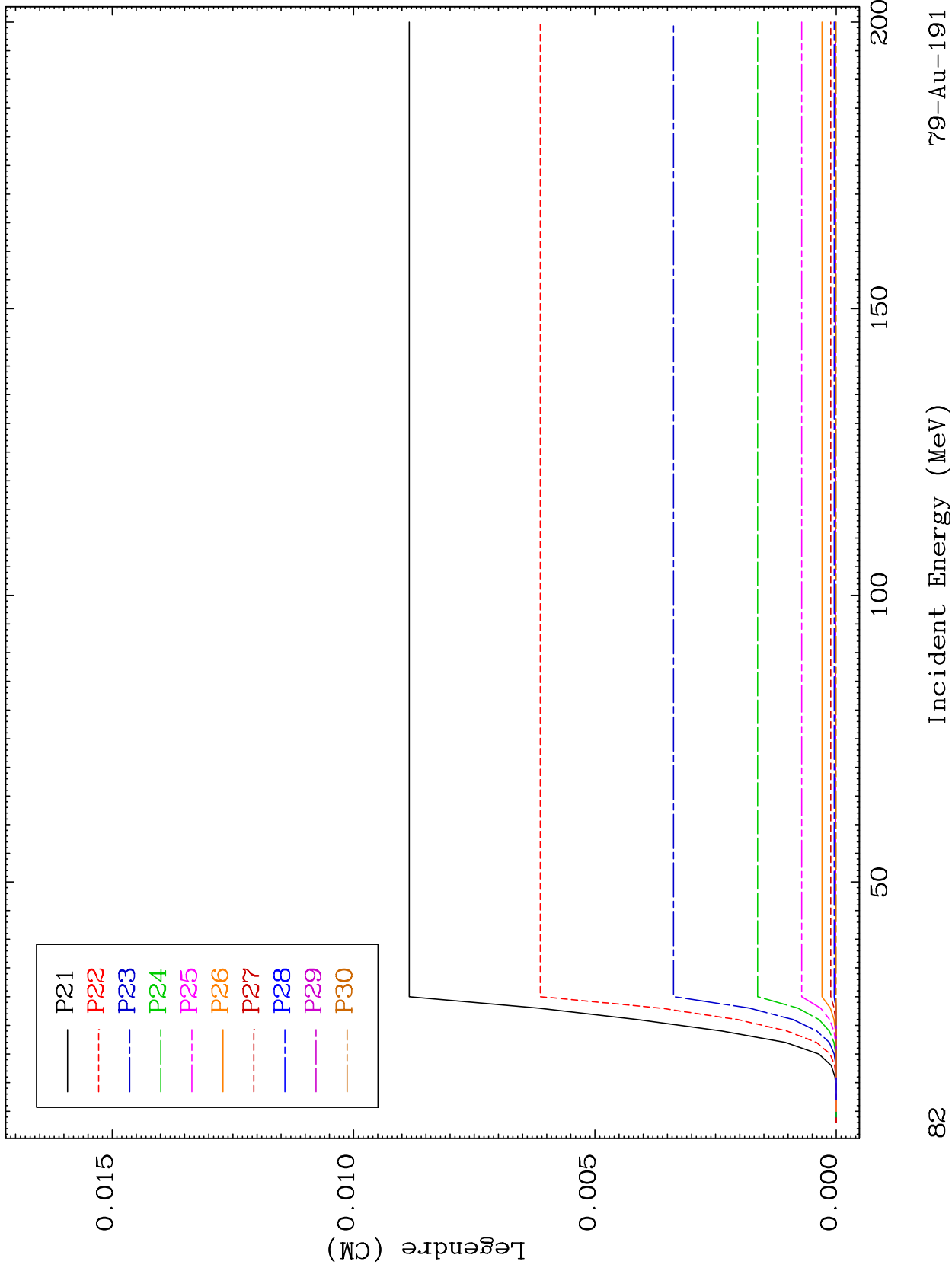




MAT 7907

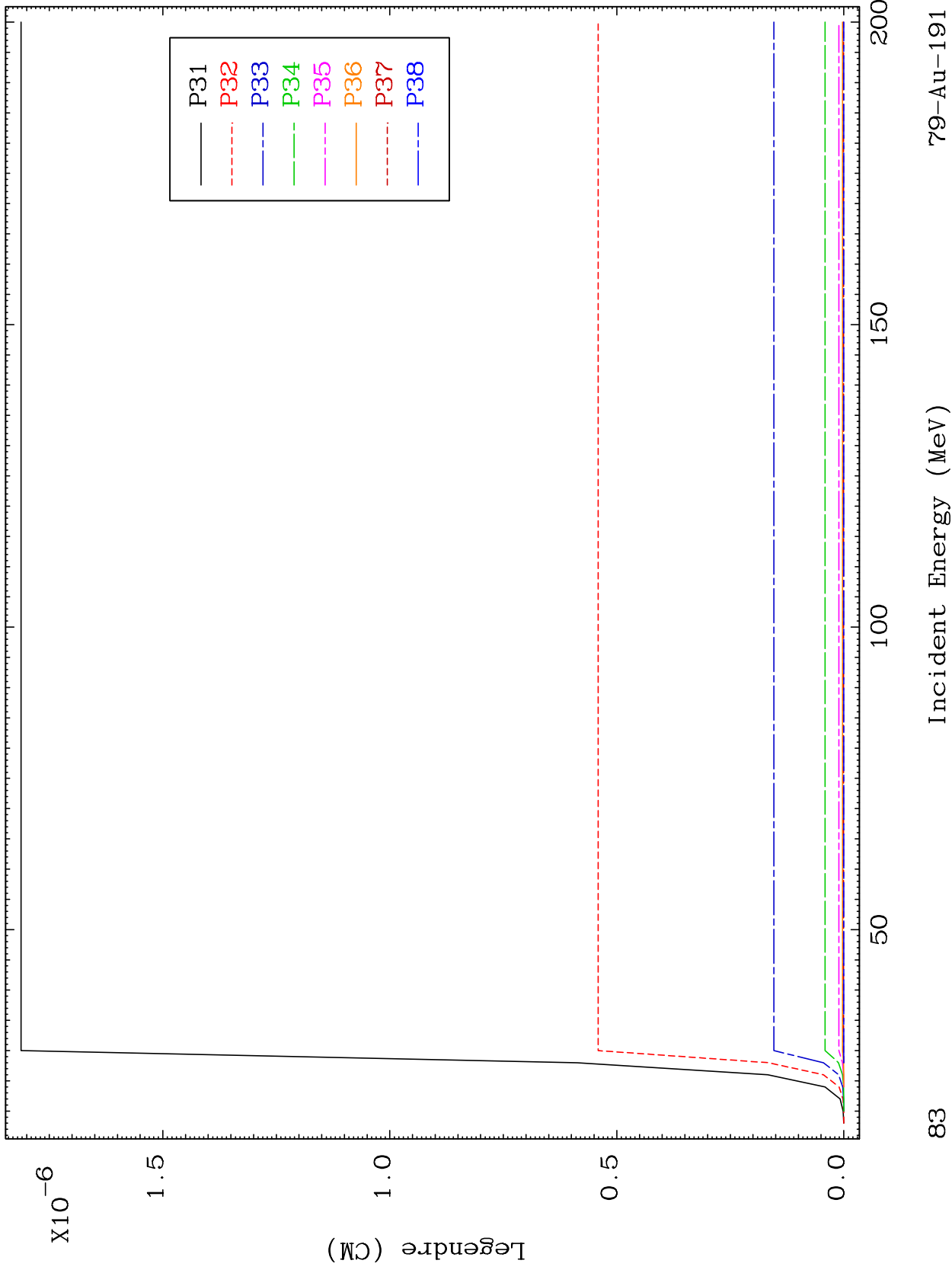
1.066 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



82

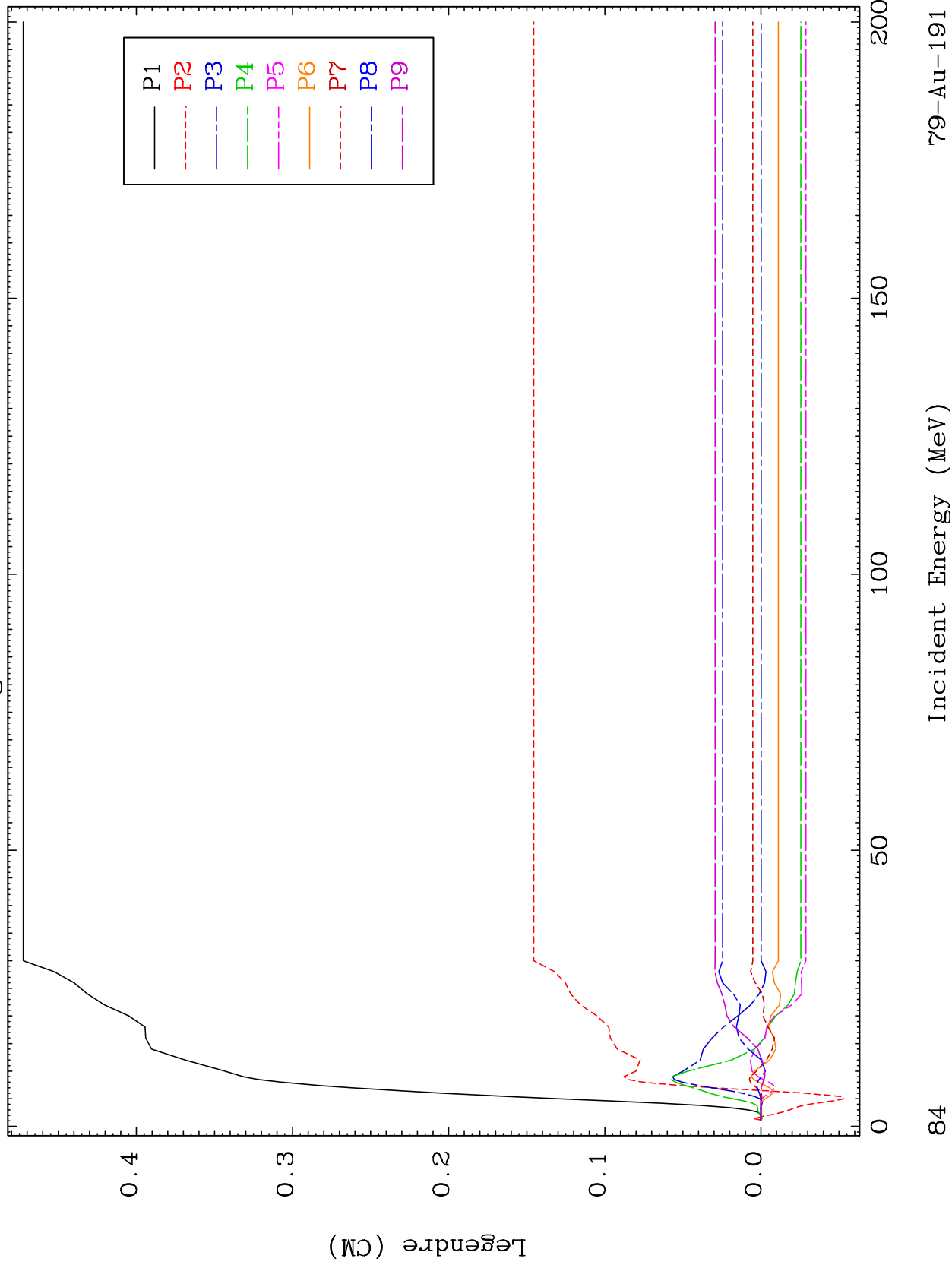
79-Au-191



MAT 7907

1.132 MeV (n,n') Level  
Legendre Coefficients

79-Au-191

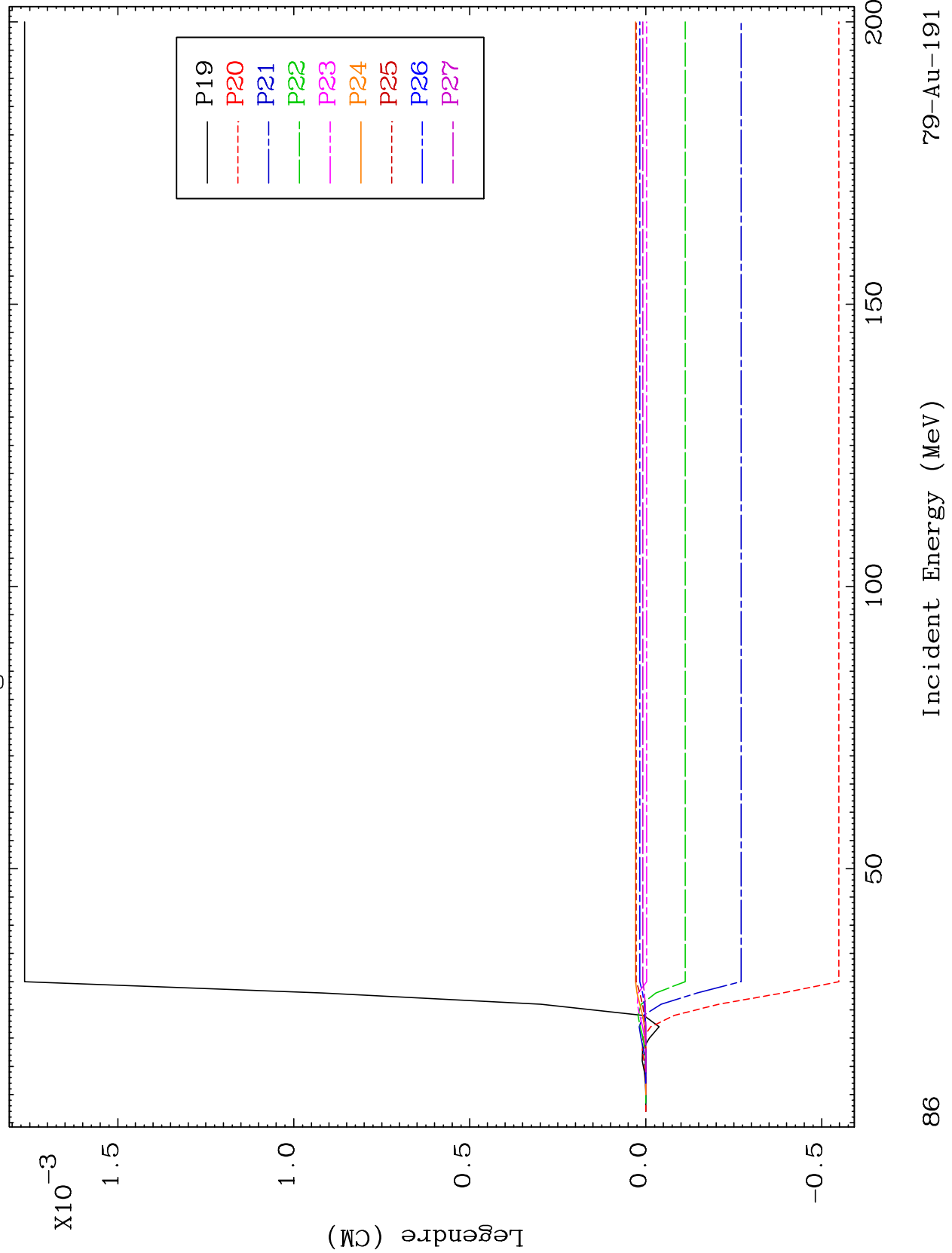


84

Incident Energy (MeV)

79-Au-191

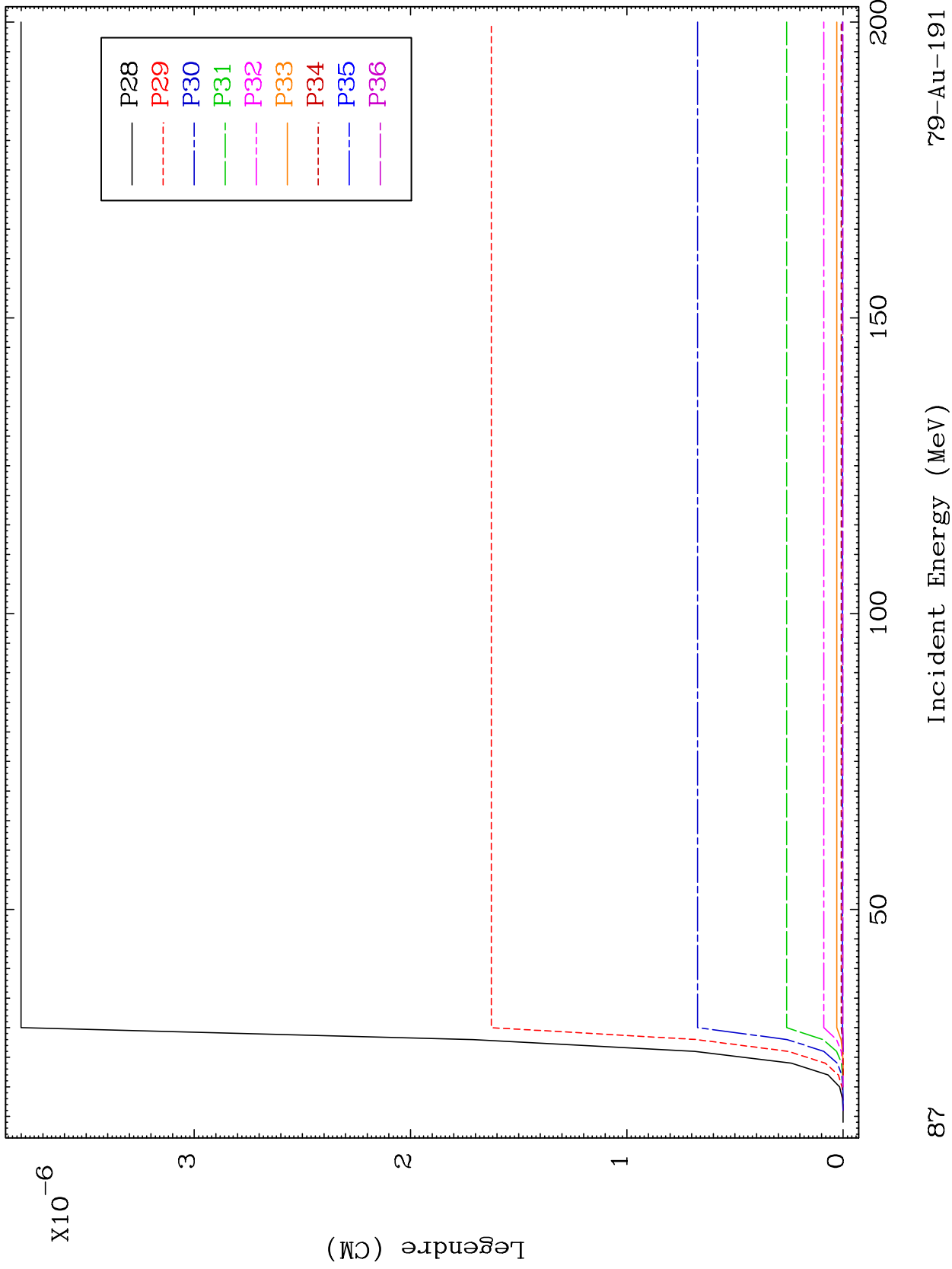




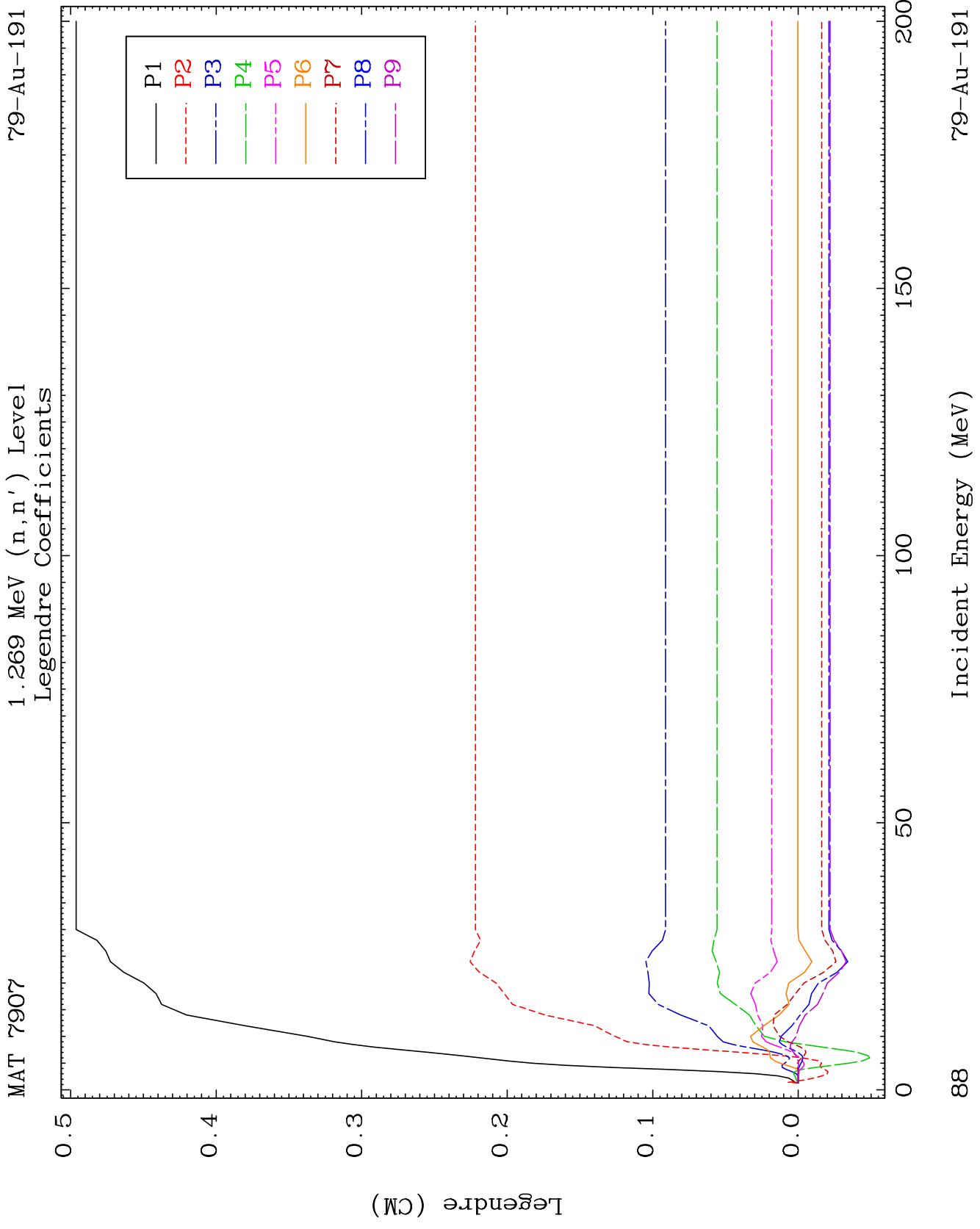
MAT 7907

1.132 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



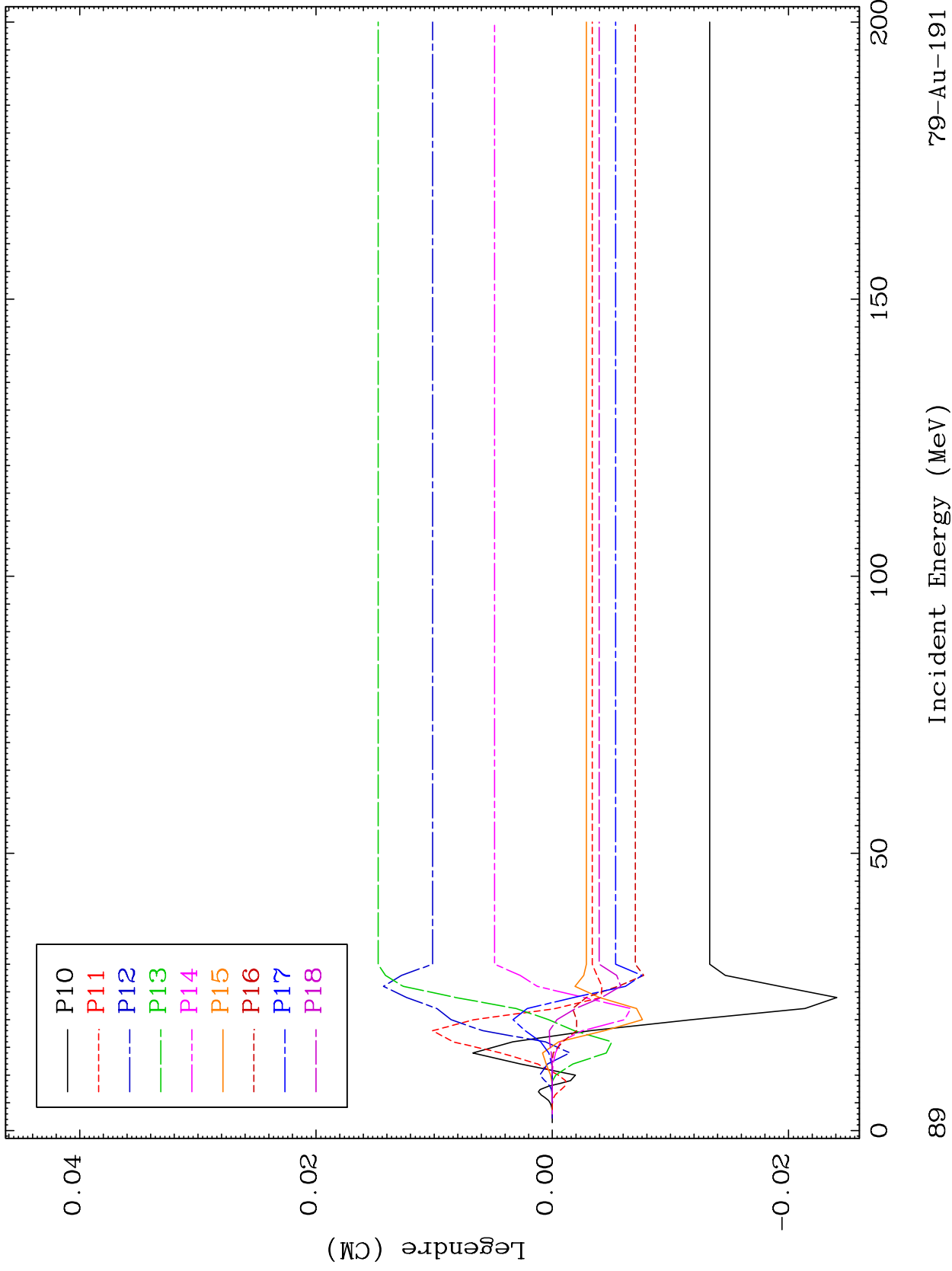




MAT 7907

1.269 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



89

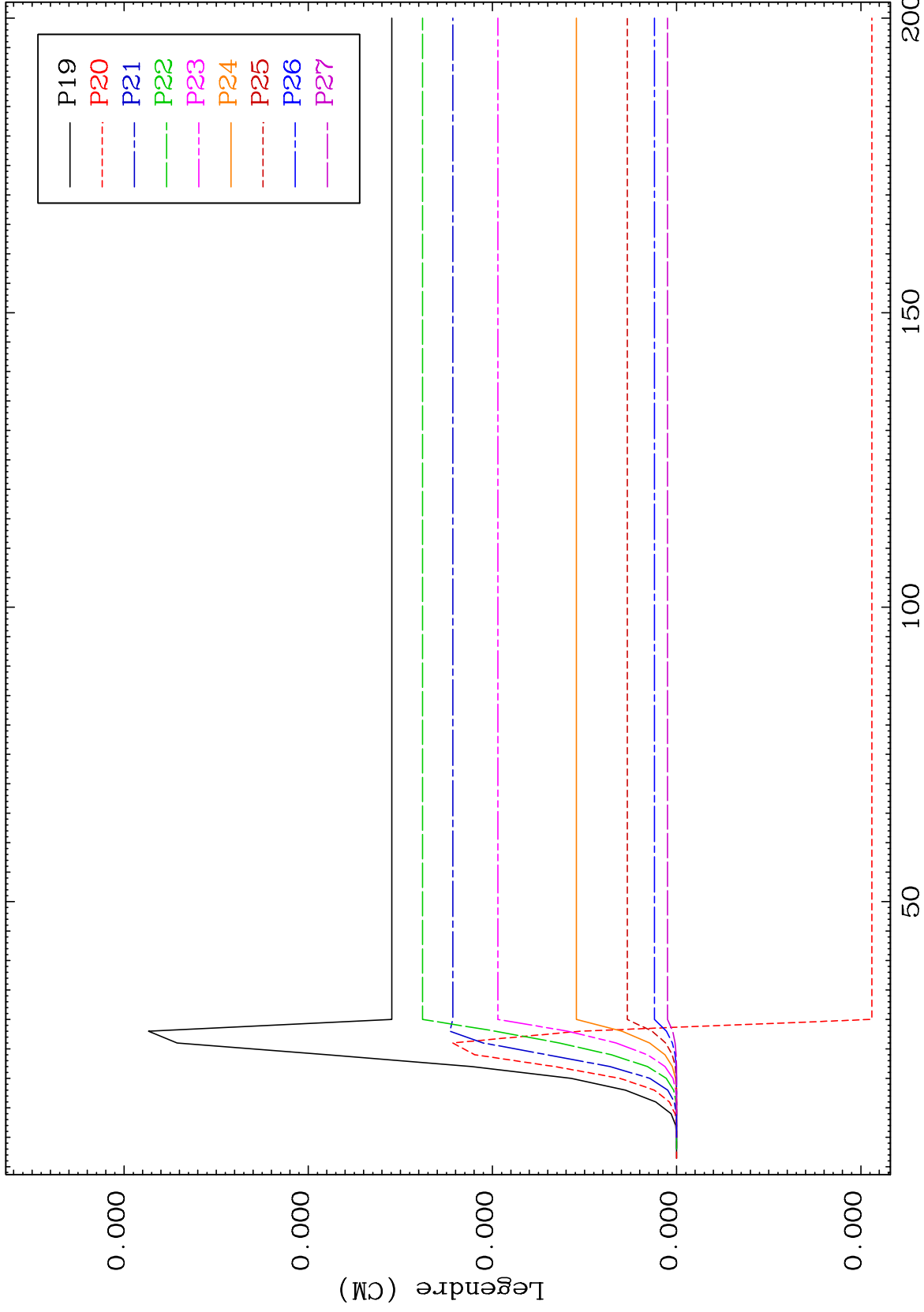
Incident Energy (MeV)

79-Au-191

MAT 7907

1.269 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



90

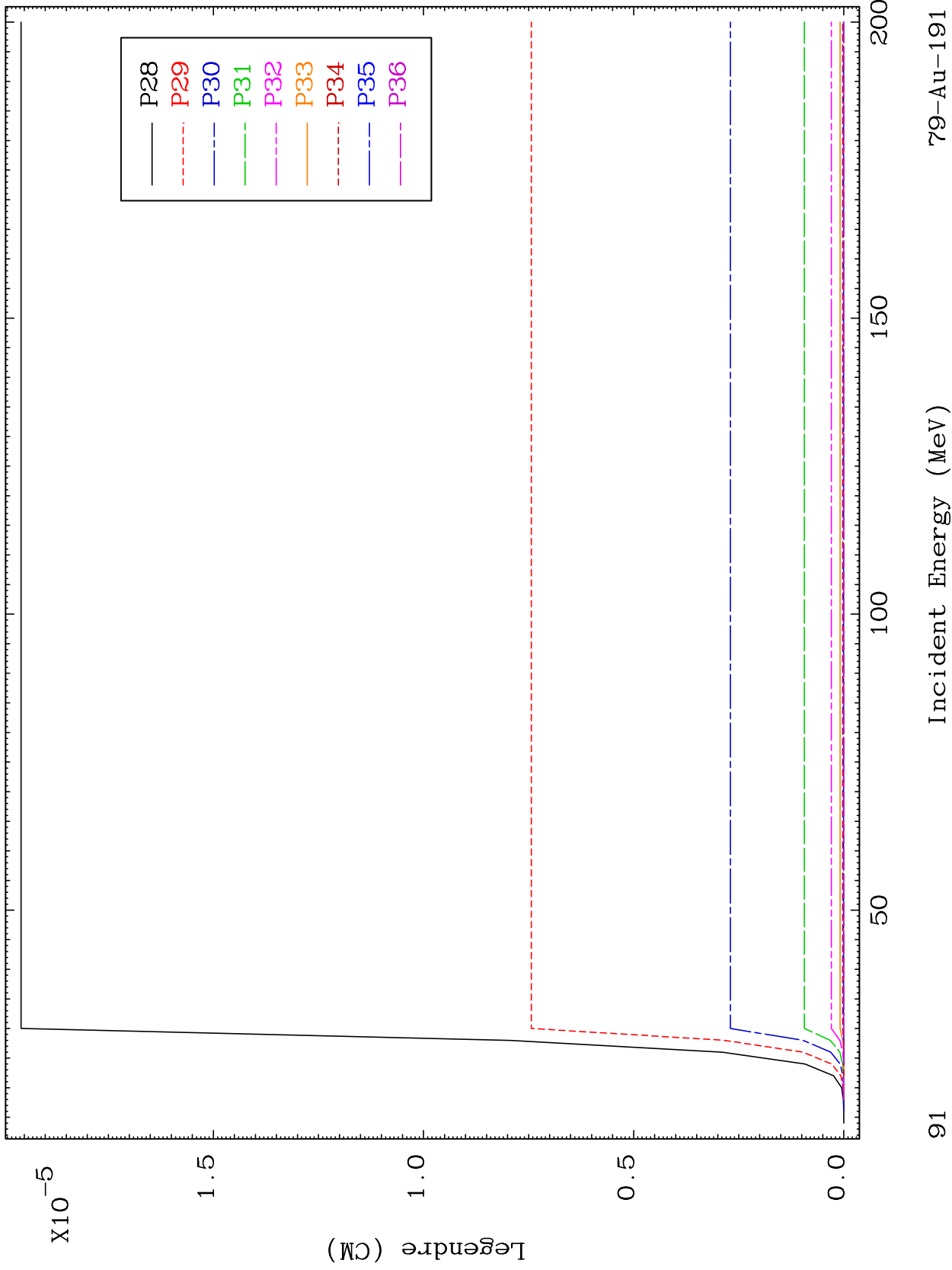
Incident Energy (MeV)

79-Au-191

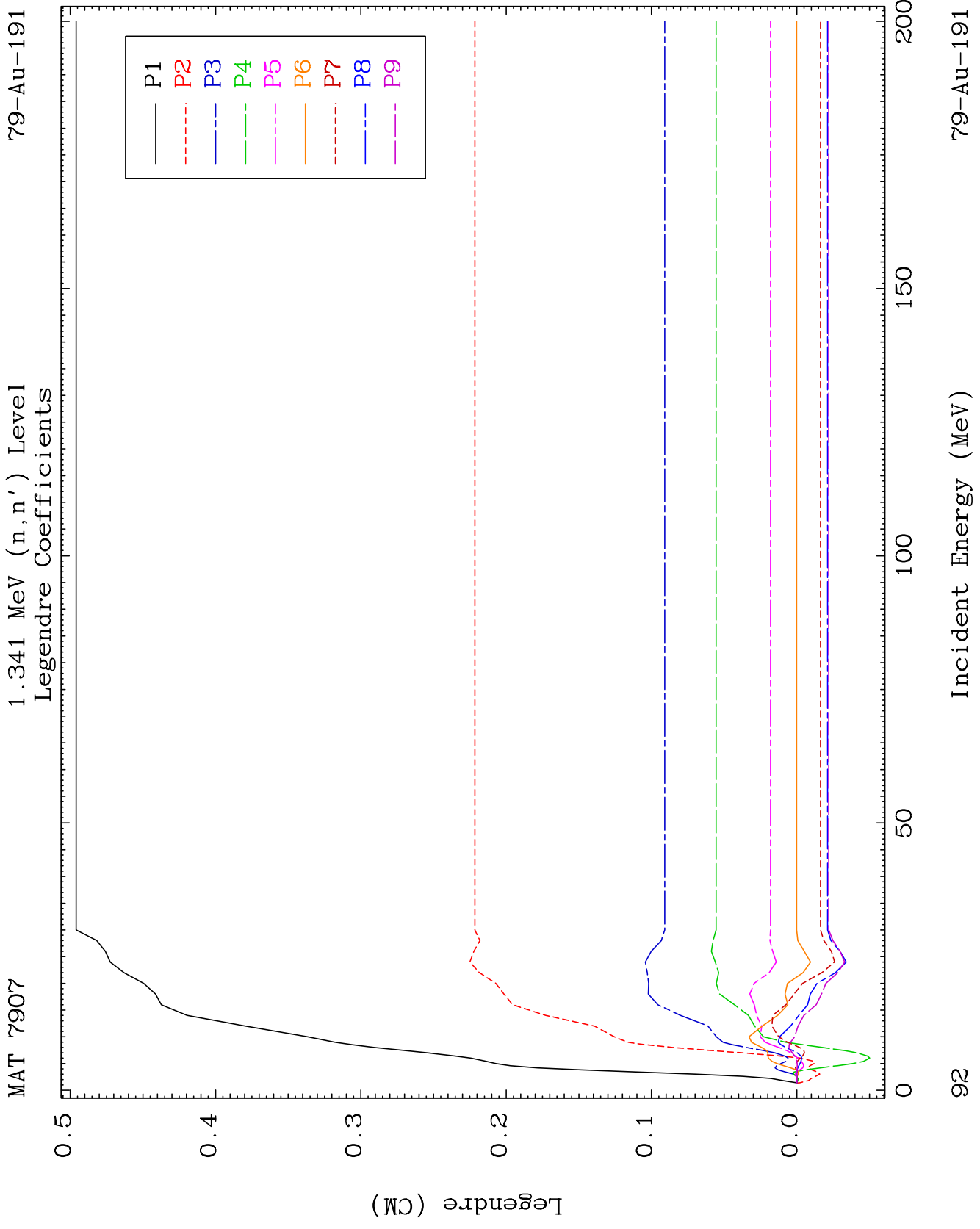
MAT 7907

1.269 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



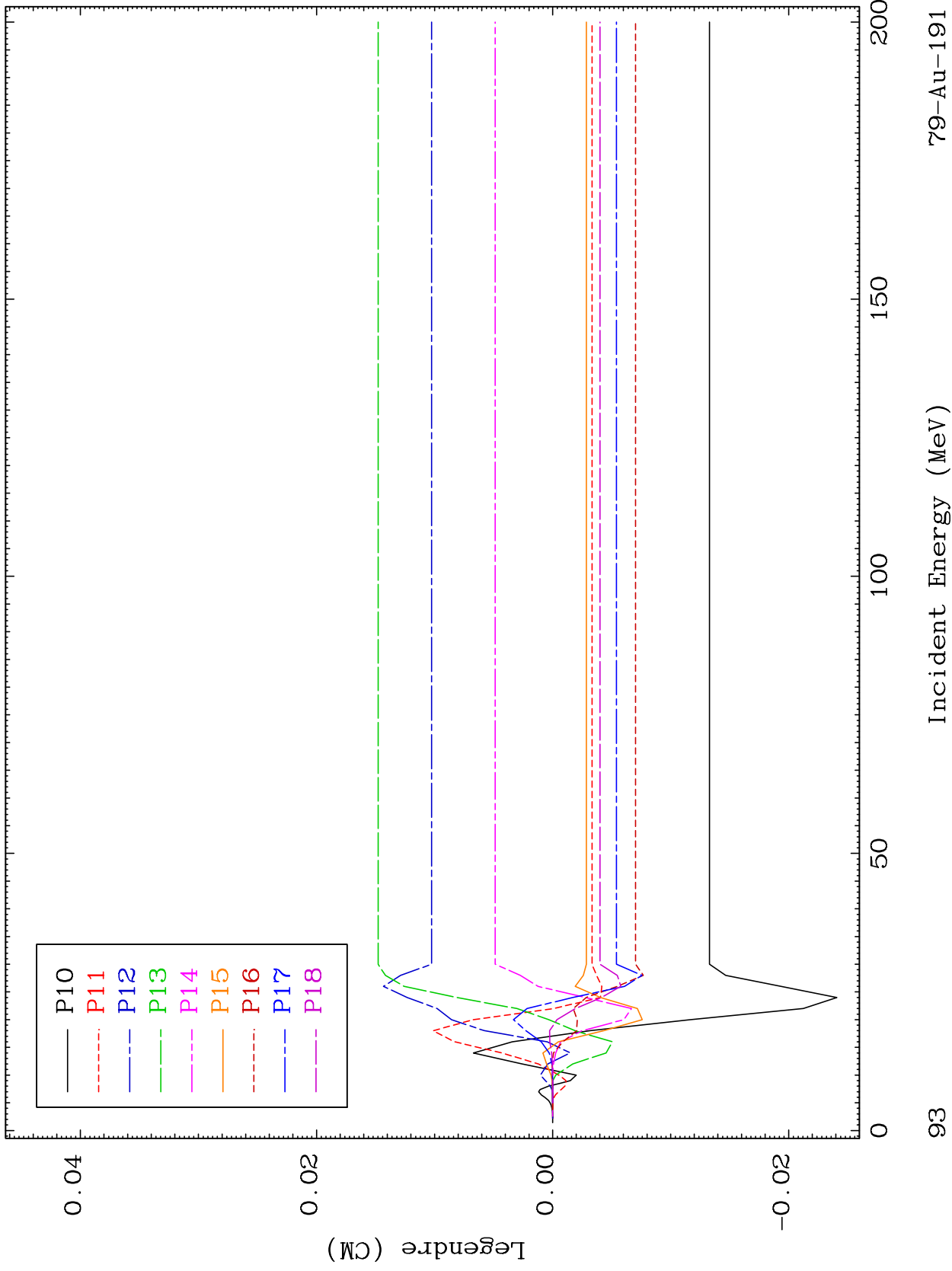
91



MAT 7907

1.341 MeV (n,n') Level  
Legendre Coefficients

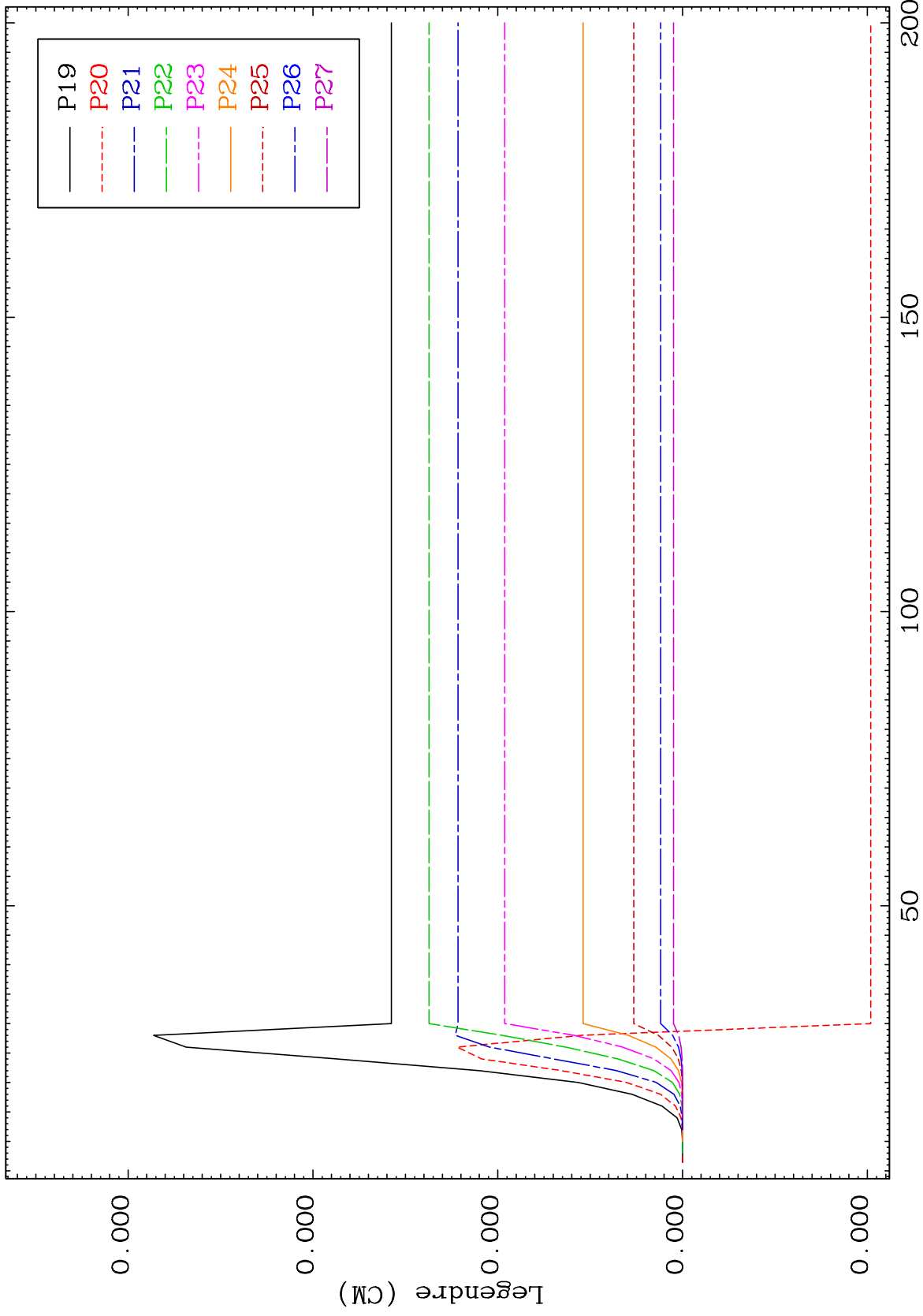
79-Au-191



MAT 7907

1.341 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



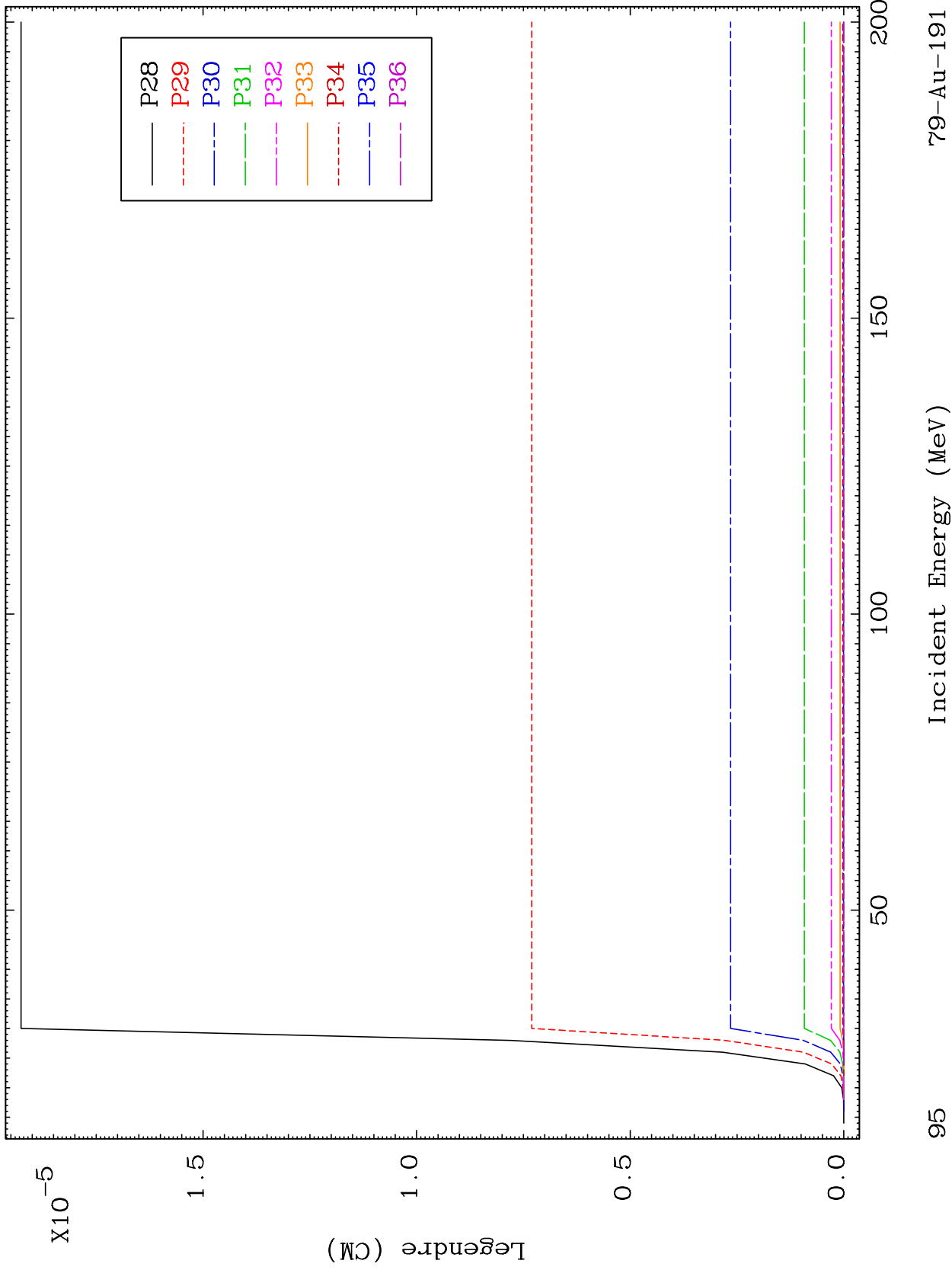
94

79-Au-191

MAT 7907

1.341 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



95

Incident Energy (MeV)

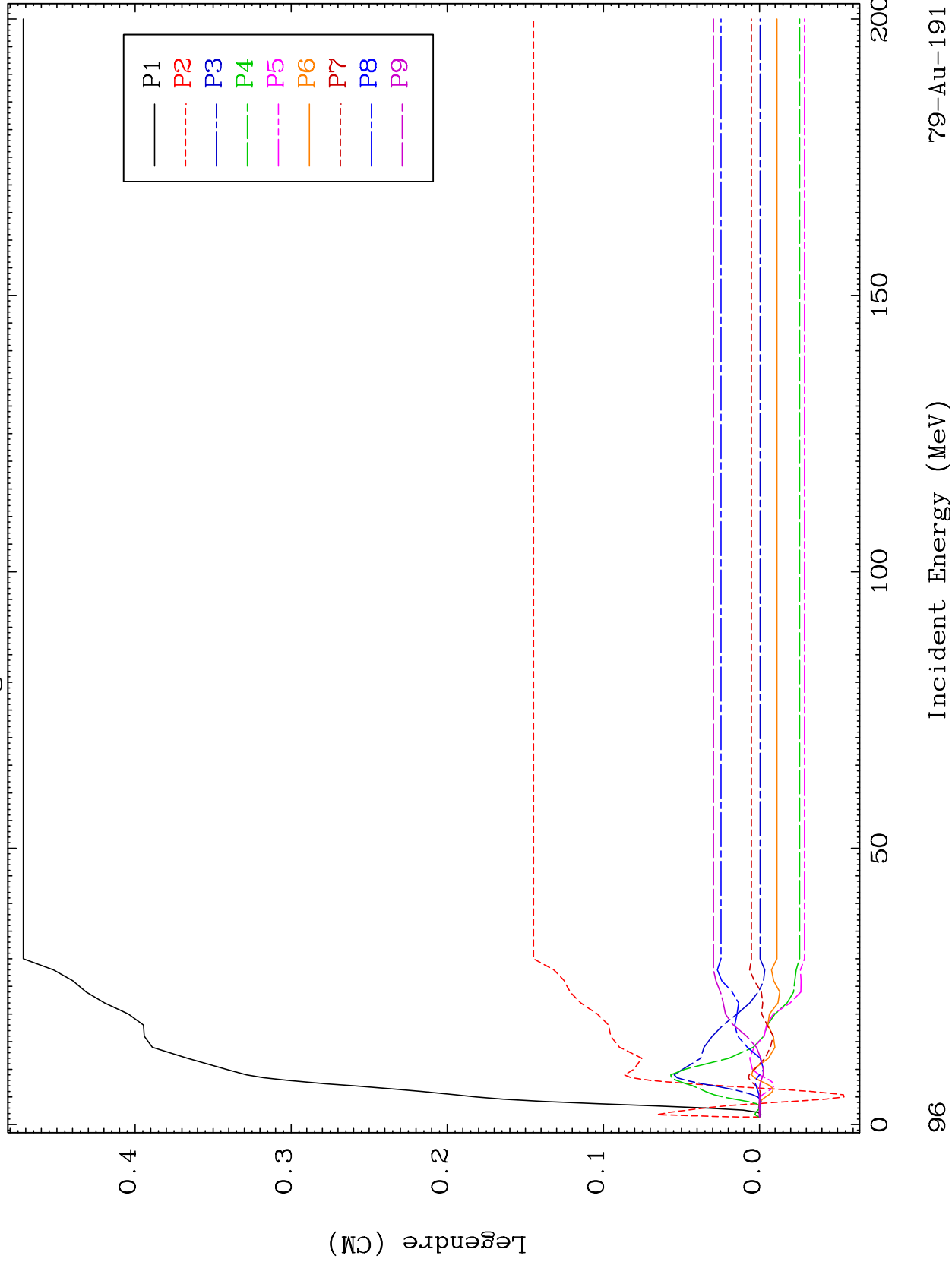
79-Au-191



MAT 7907

1.351 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



79-Au-191

Incident Energy (MeV)

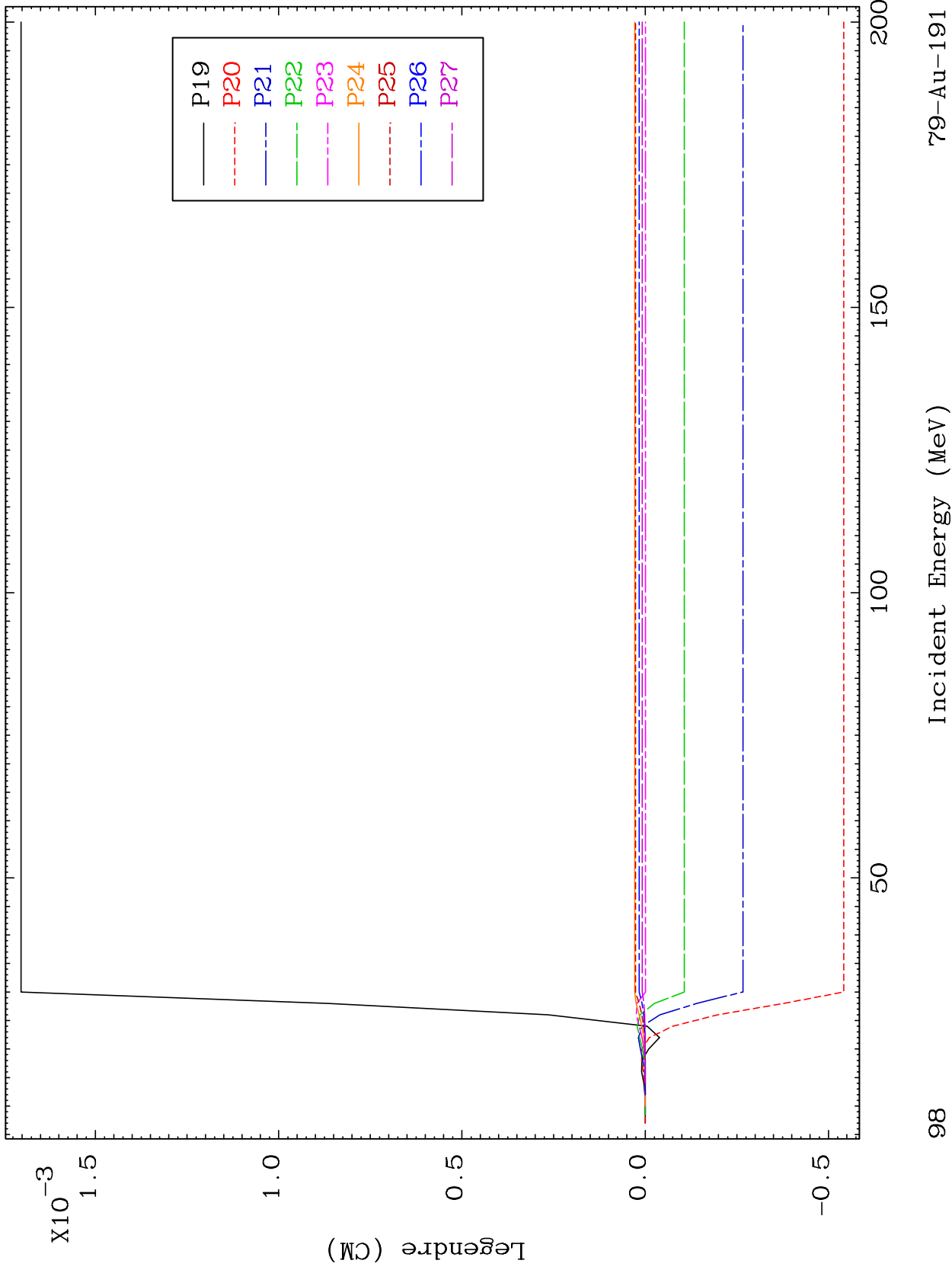
96



MAT 7907

1.351 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



98

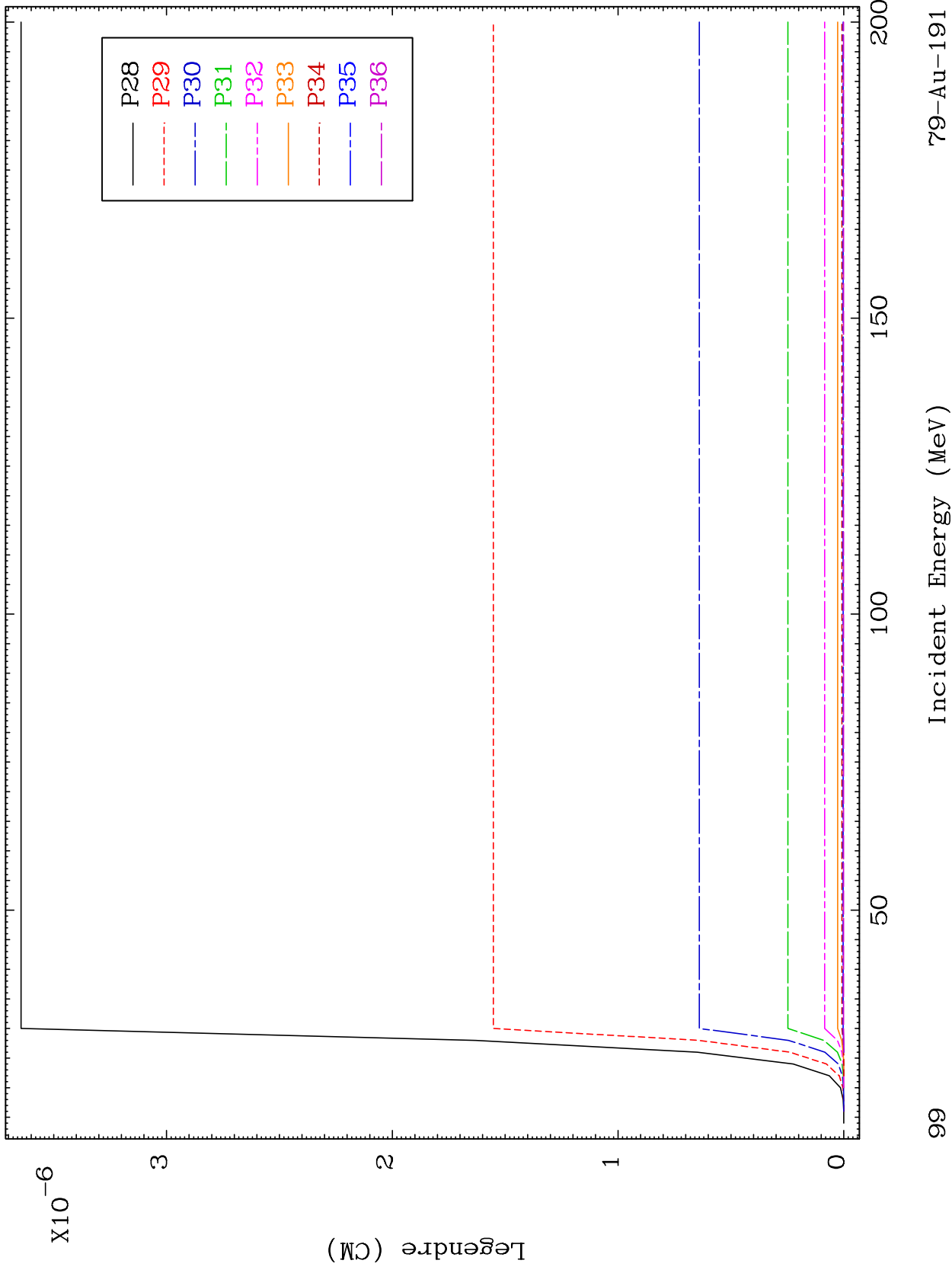
Incident Energy (MeV)

79-Au-191

MAT 7907

1.351 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



99

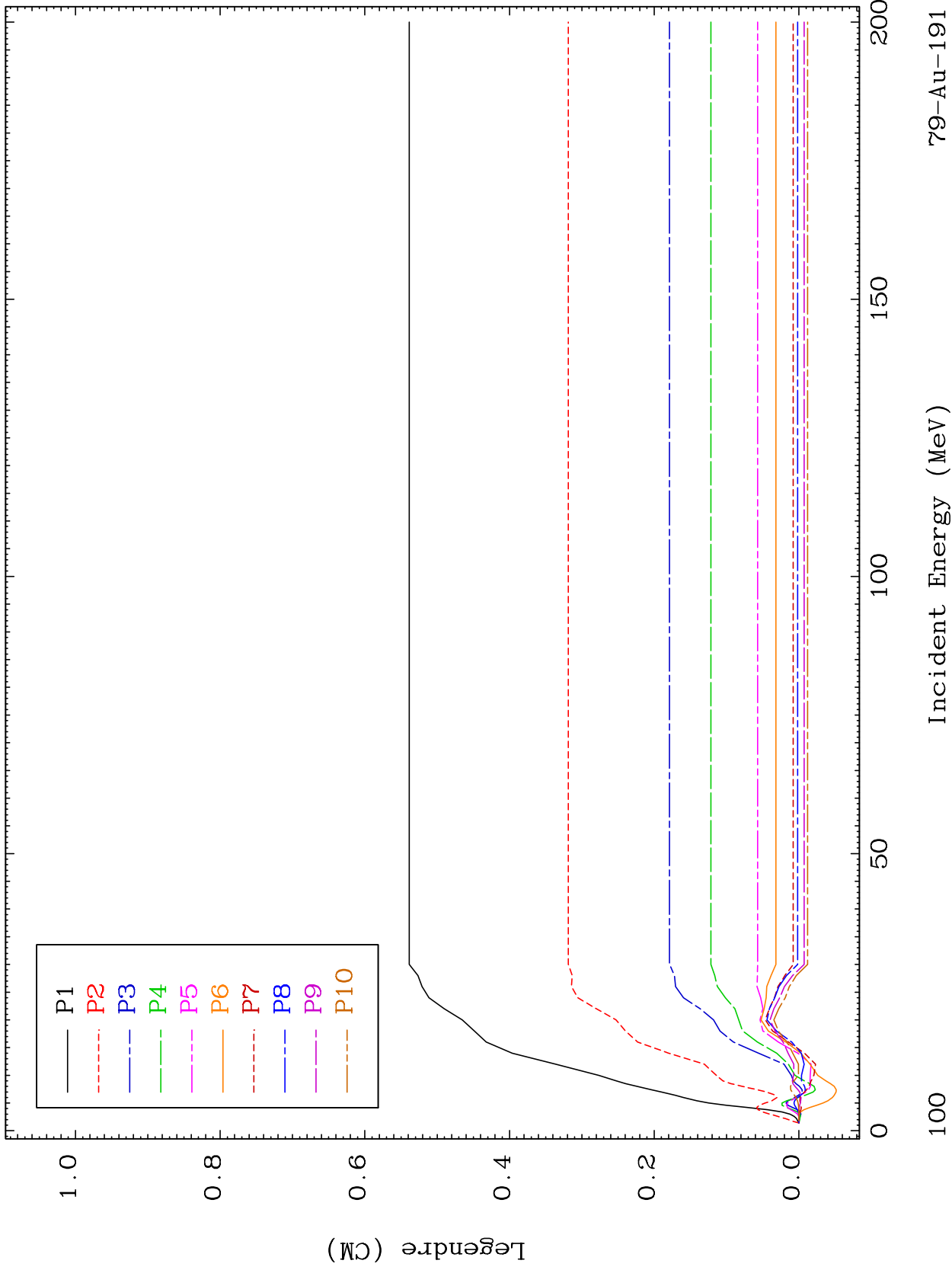
Incident Energy (MeV)

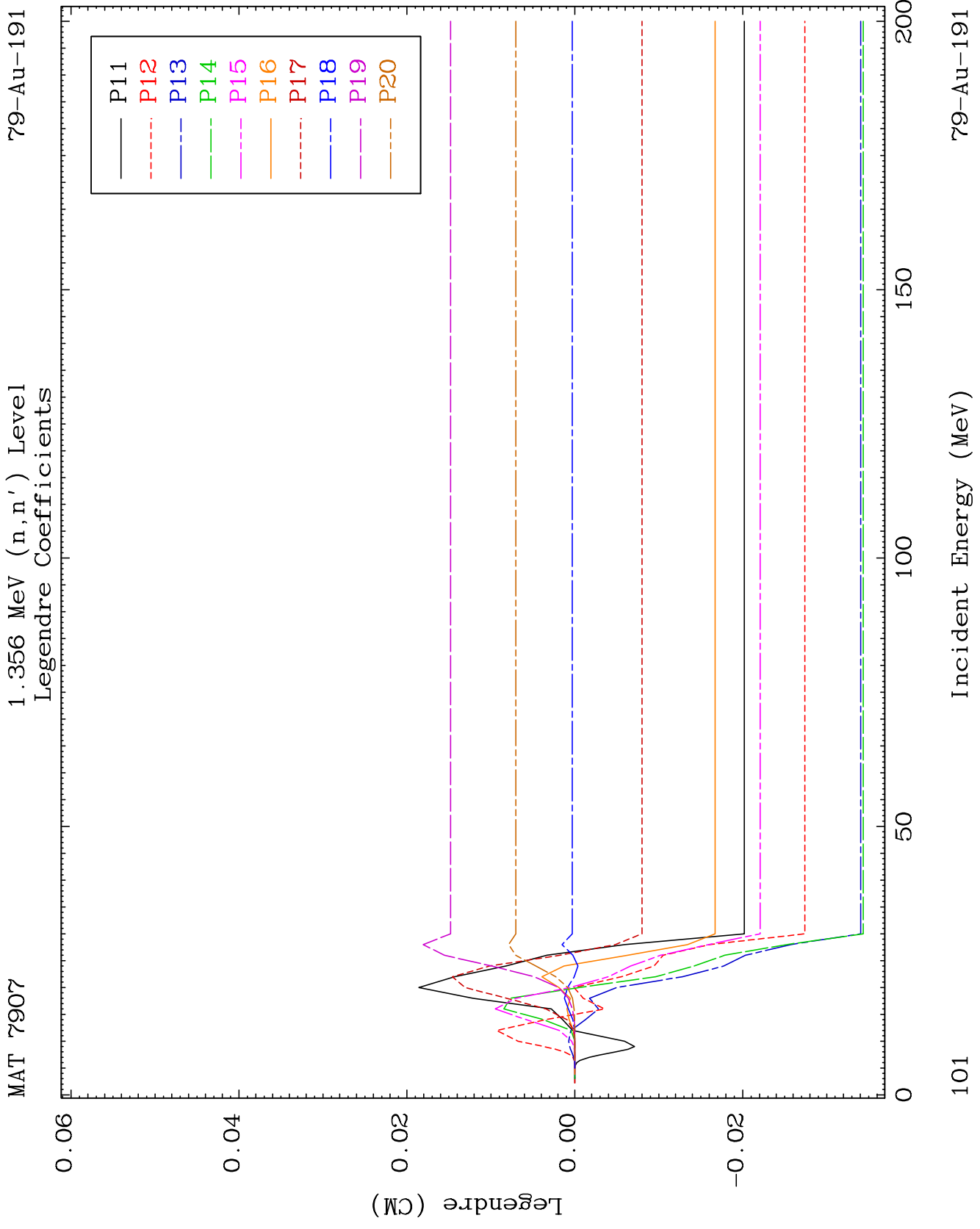
79-Au-191

MAT 7907

1.356 MeV (n, n') Level  
Legendre Coefficients

79-Au-191

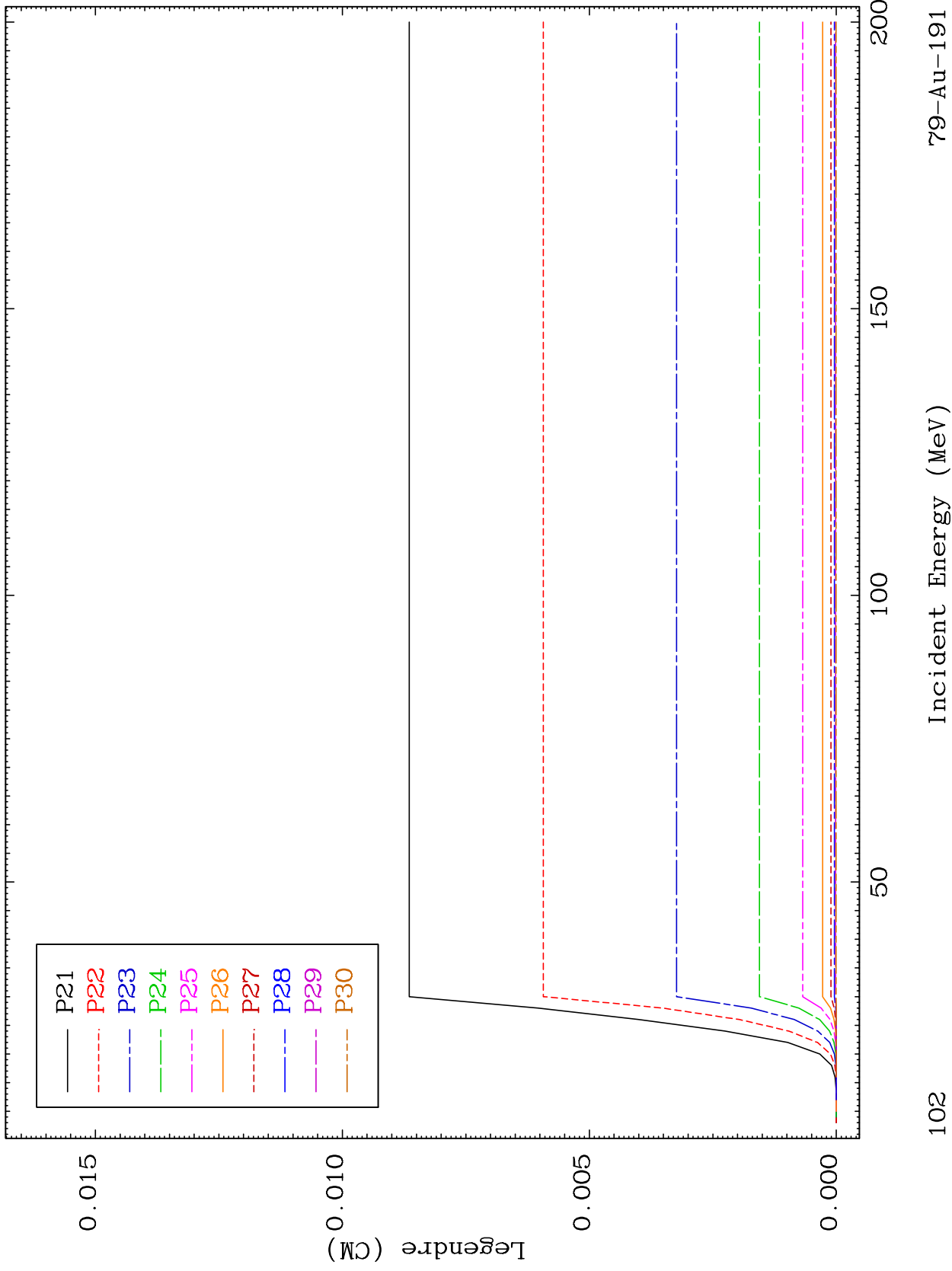




MAT 7907

1.356 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



102

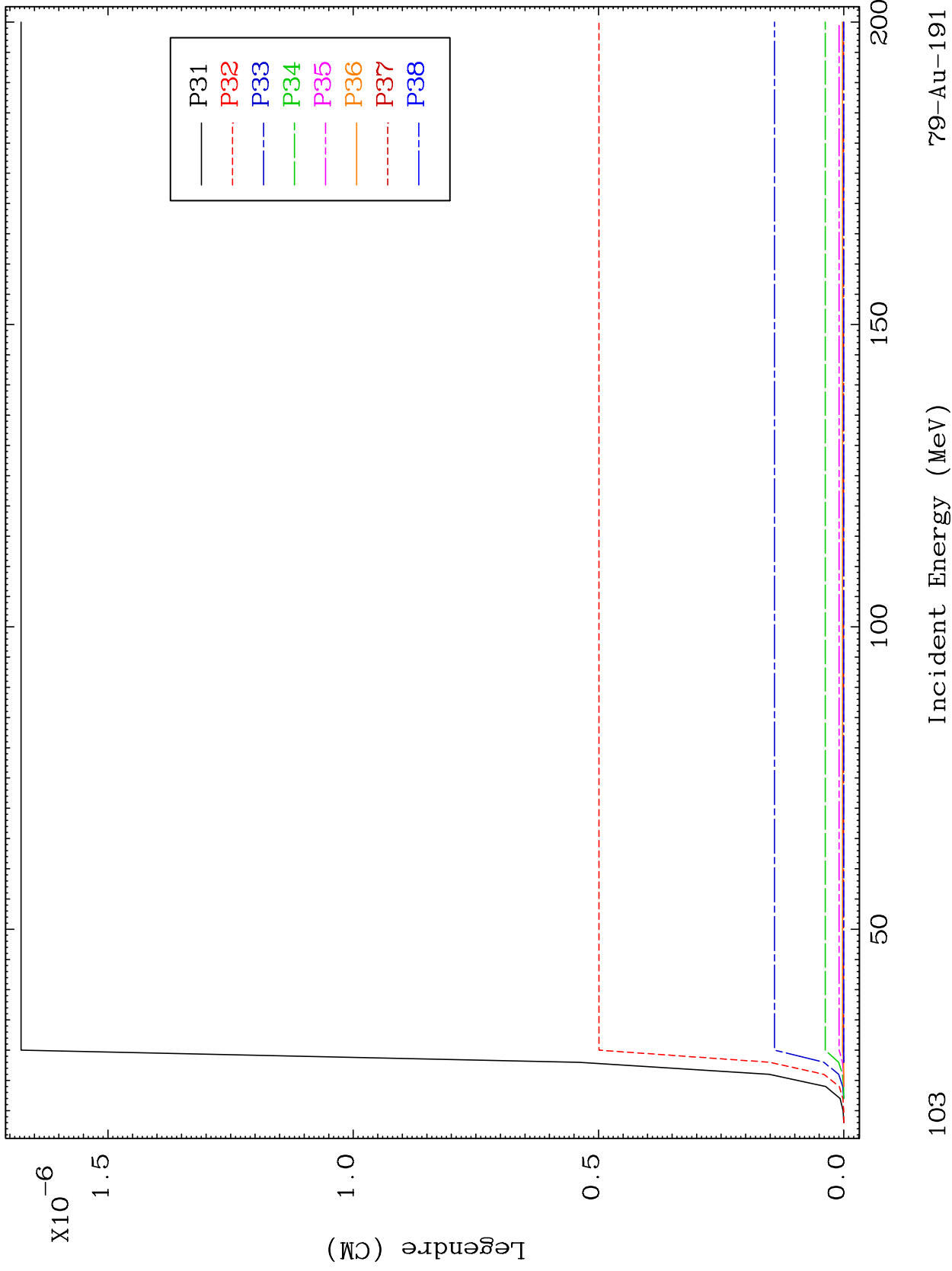
Incident Energy (MeV)

79-Au-191

MAT 7907

1.356 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



103

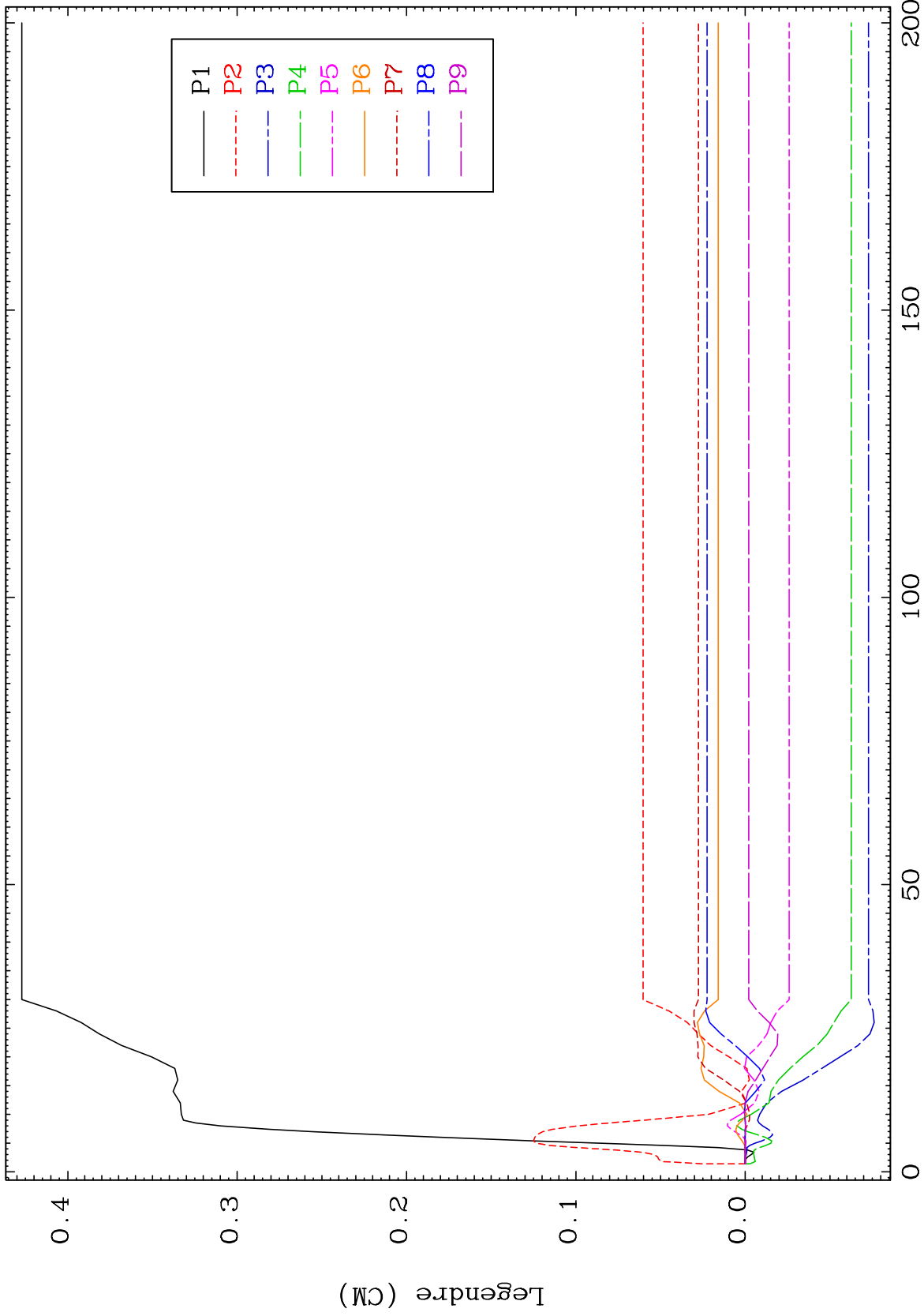
79-Au-191



MAT 7907

1.376 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



104

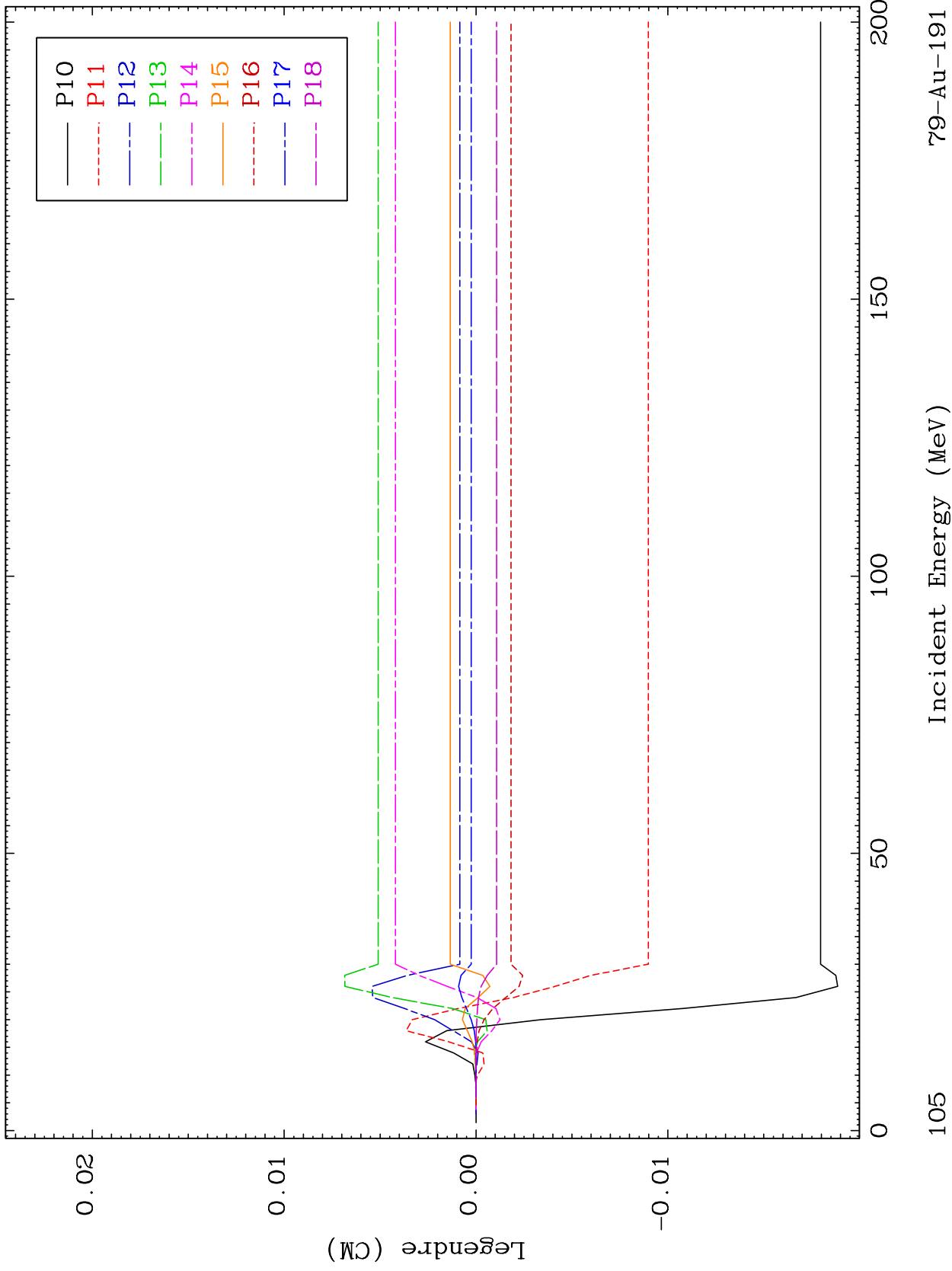
Incident Energy (MeV)

79-Au-191

MAT 7907

1.376 MeV (n,n') Level  
Legendre Coefficients

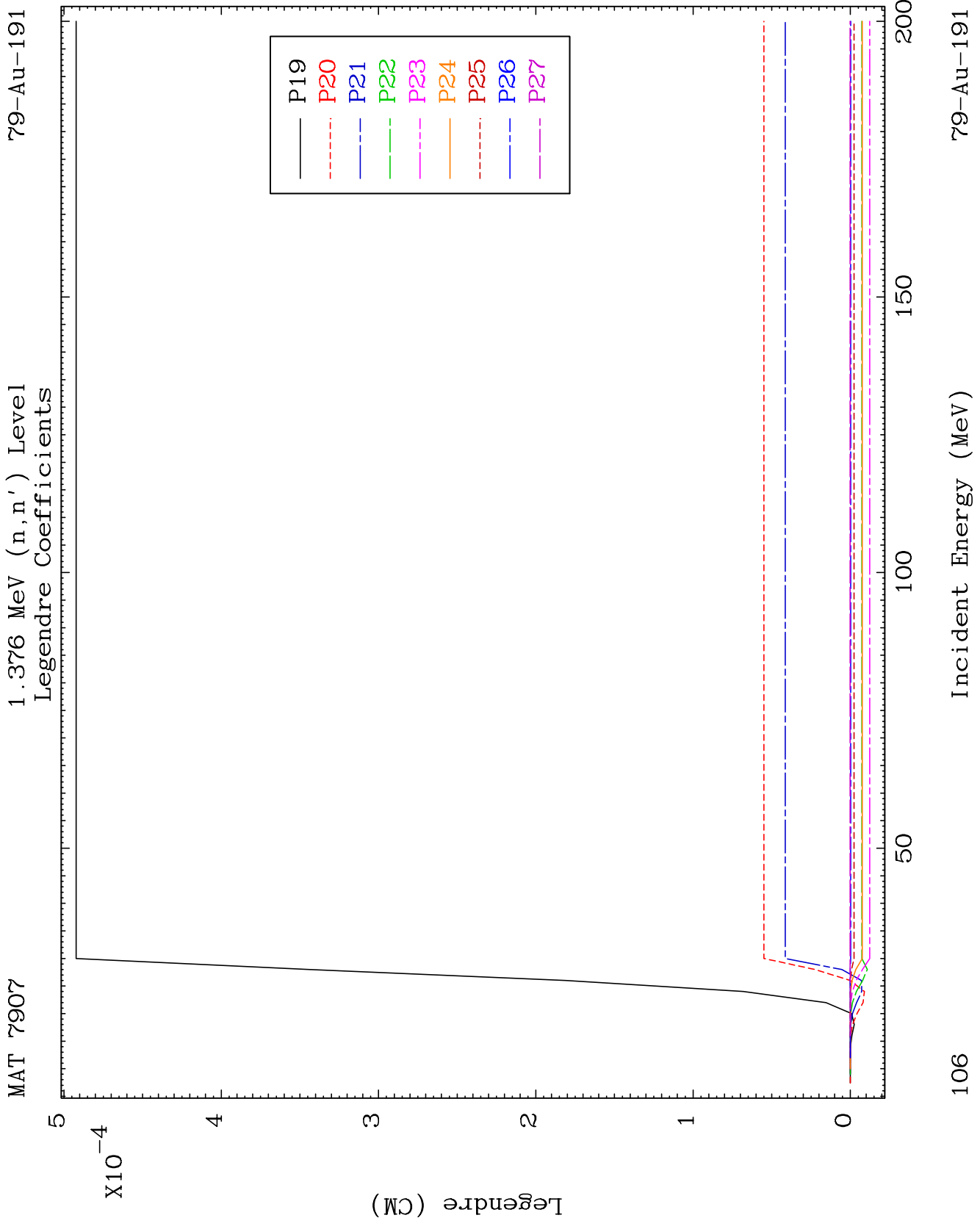
79-Au-191



79-Au-191

Incident Energy (MeV)

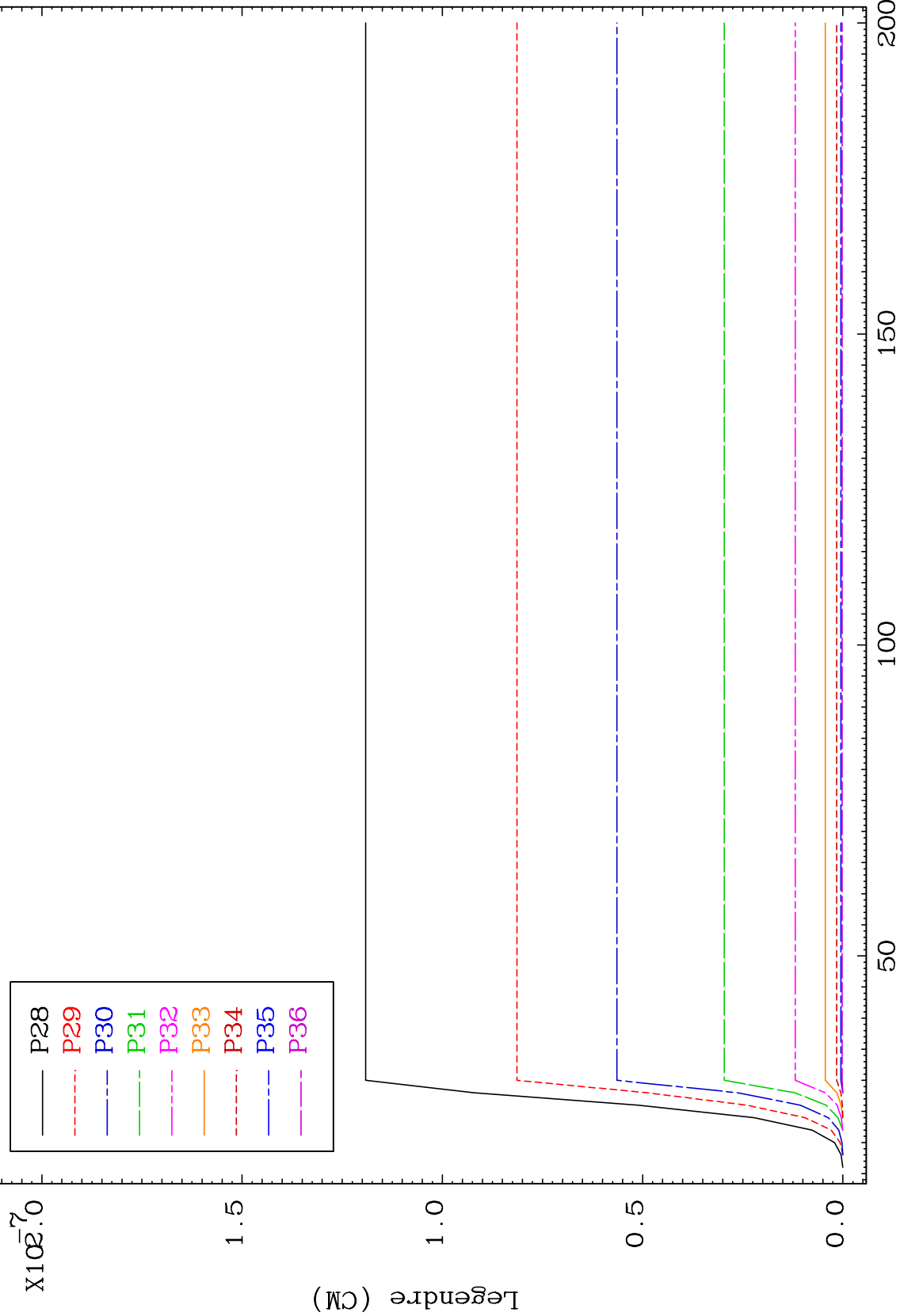
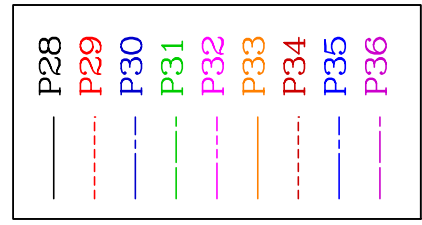
105



MAT 7907

1.376 MeV (n, n') Level  
Legendre Coefficients

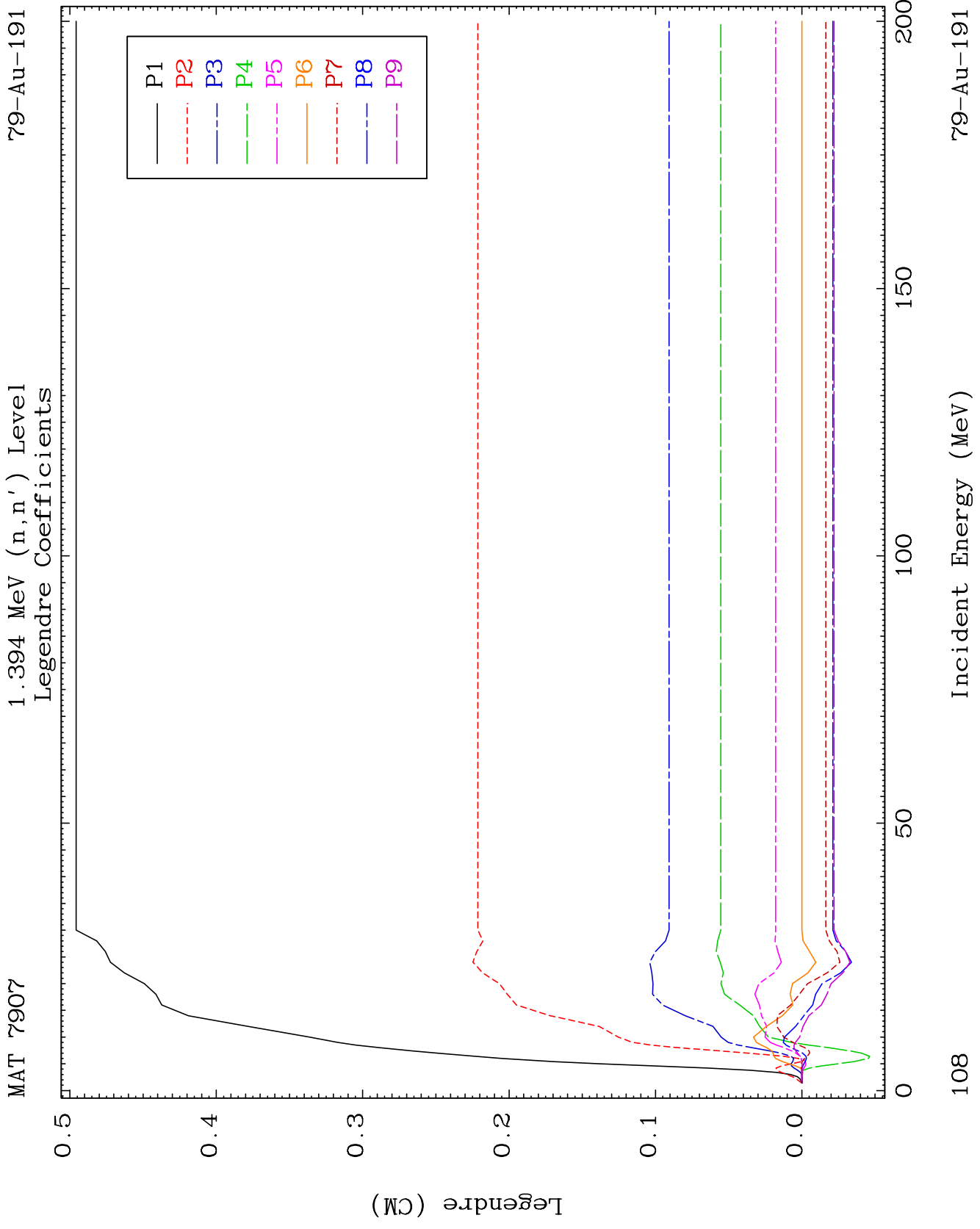
79-Au-191



107

Incident Energy (MeV)

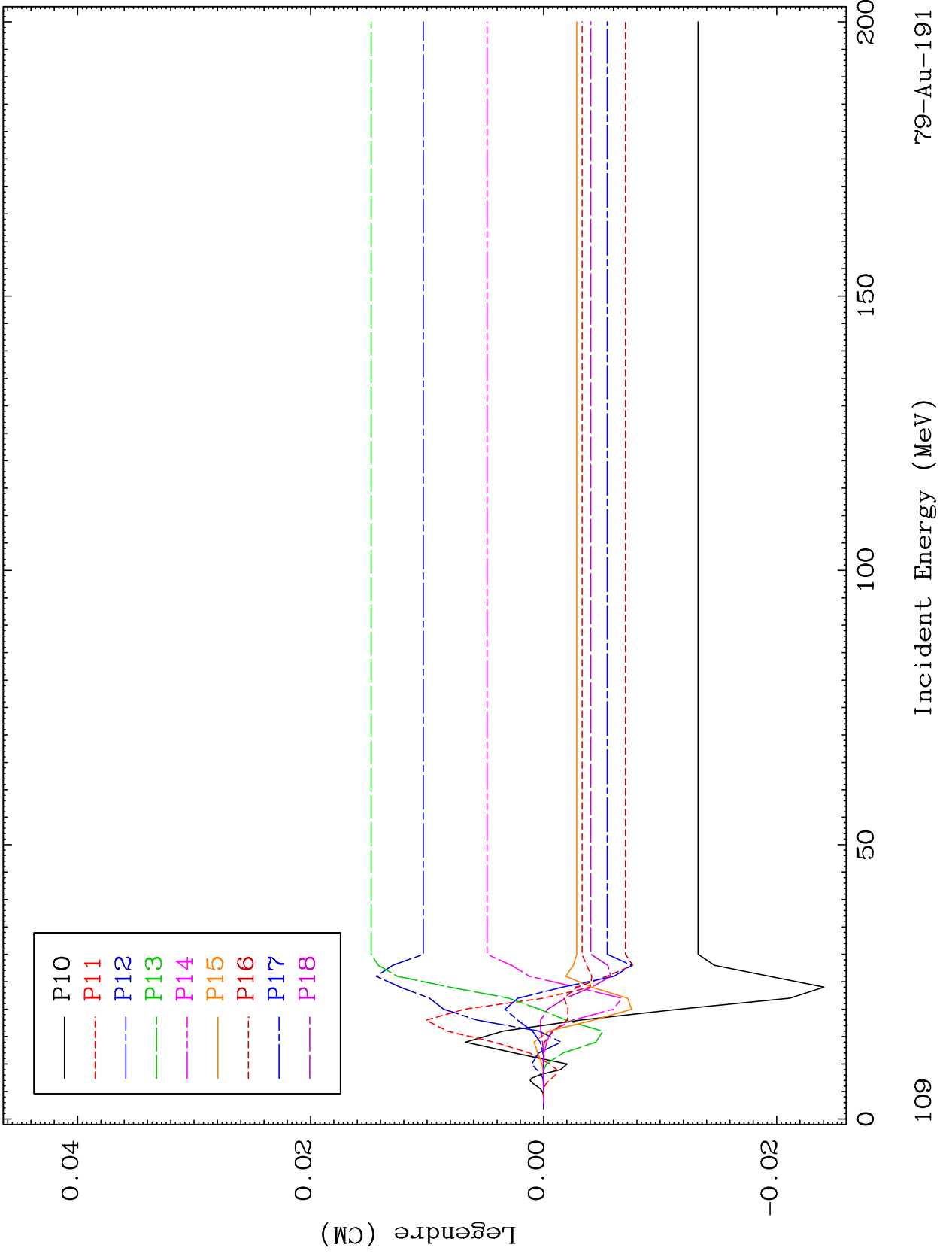
79-Au-191



MAT 7907

1.394 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



109

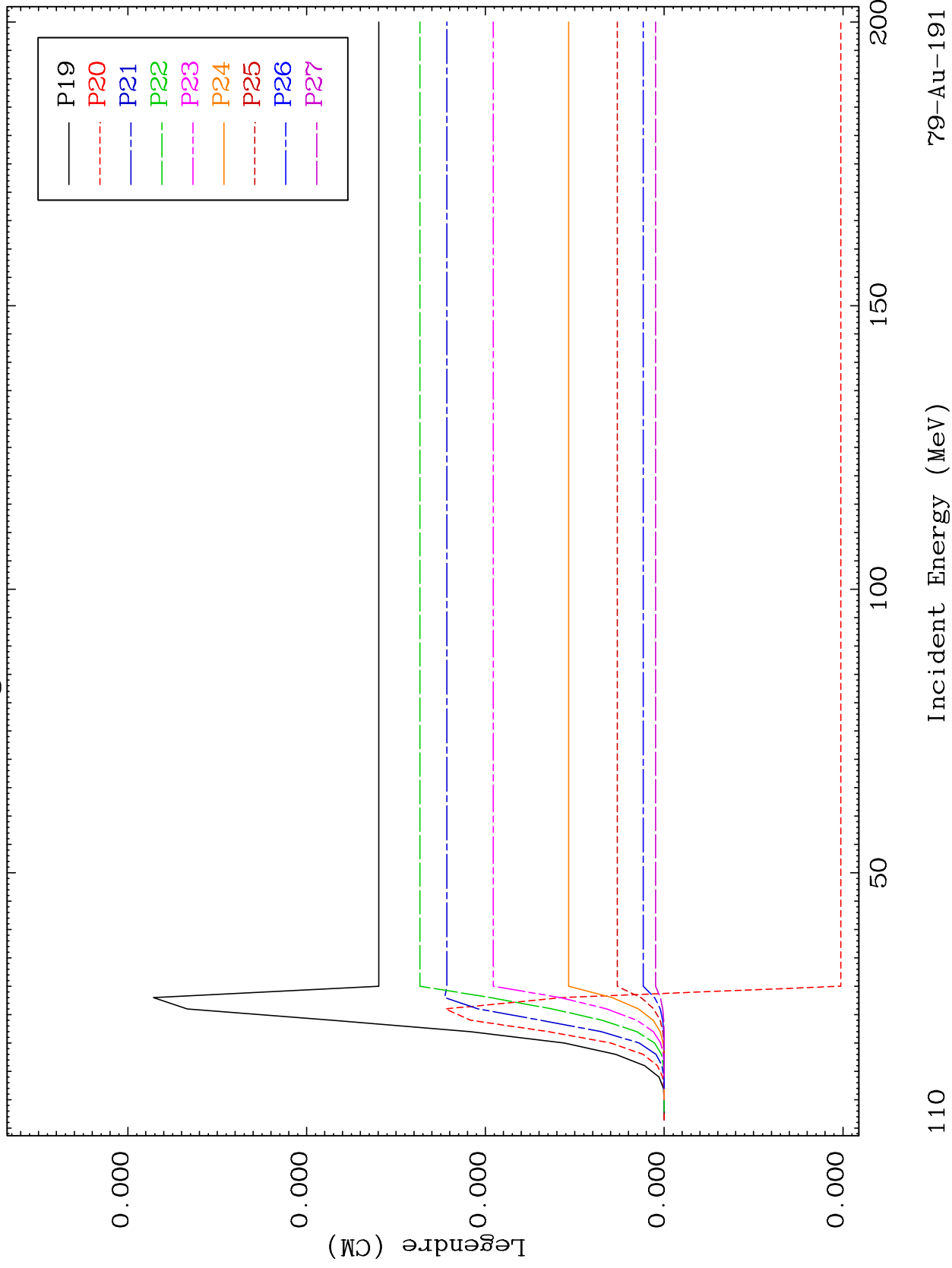
Incident Energy (MeV)

79-Au-191

MAT 7907

1.394 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



110

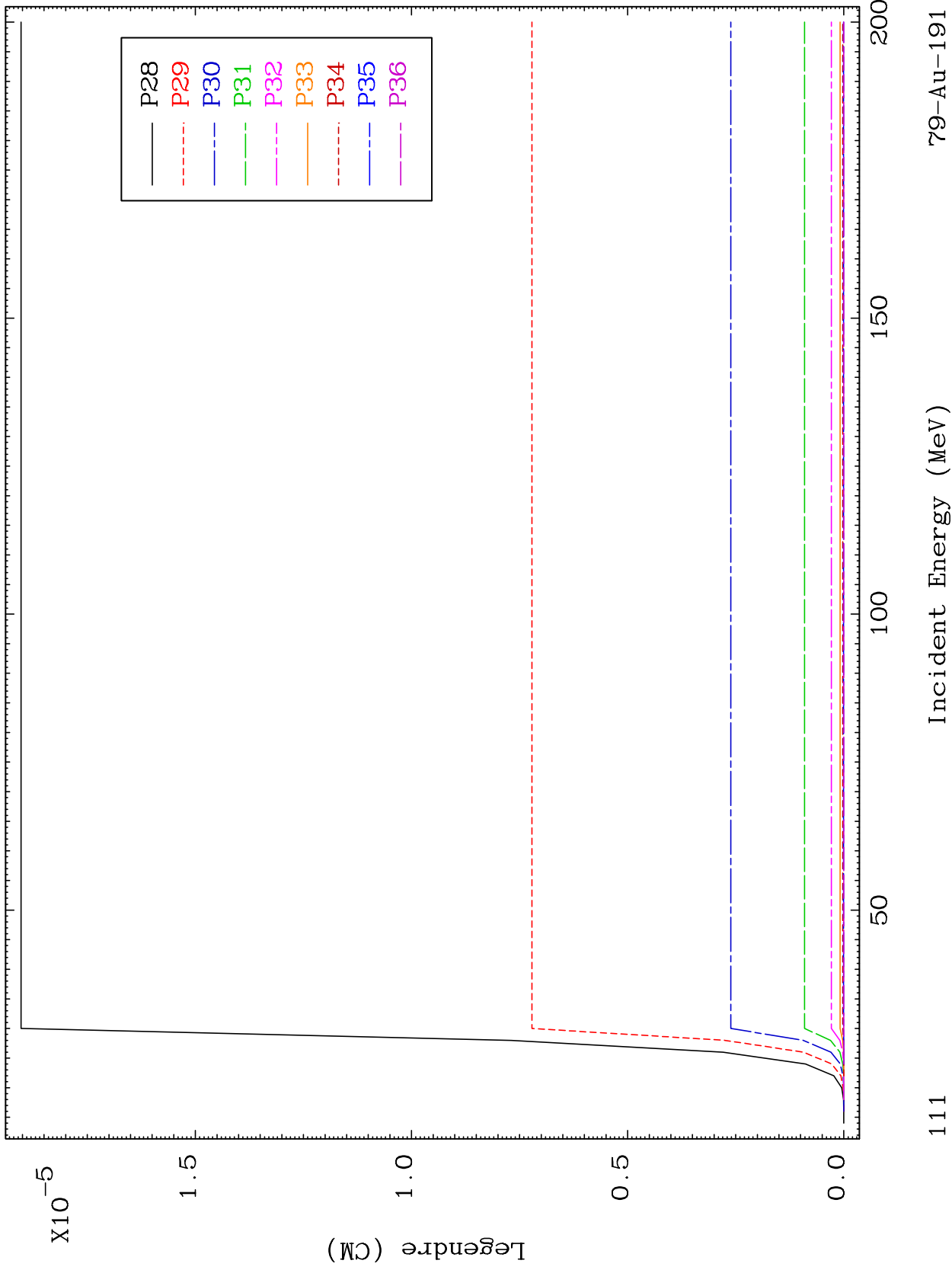
Incident Energy (MeV)

79-Au-191

MAT 7907

1.394 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



111

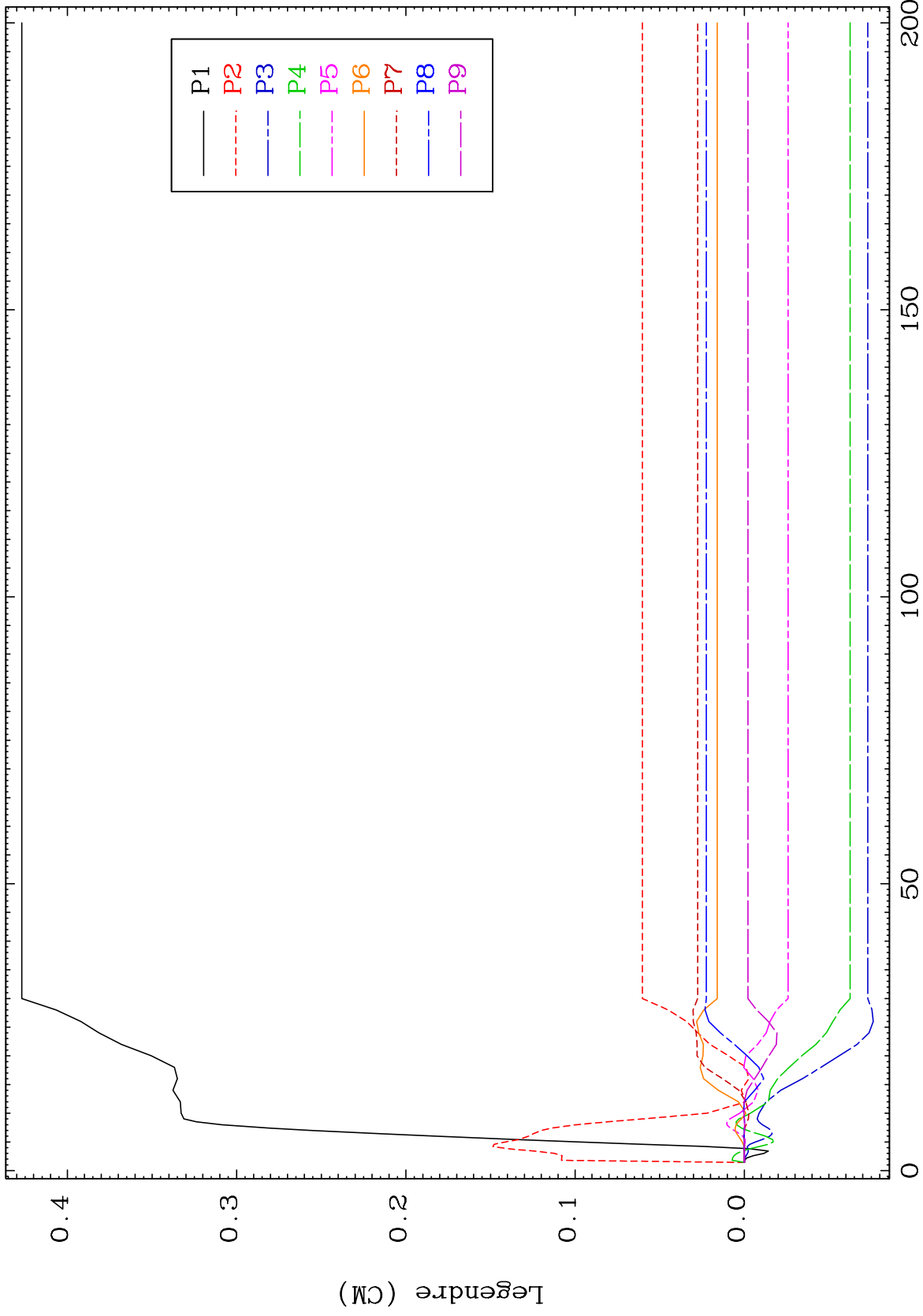
79-Au-191



MAT 7907

1.411 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



112

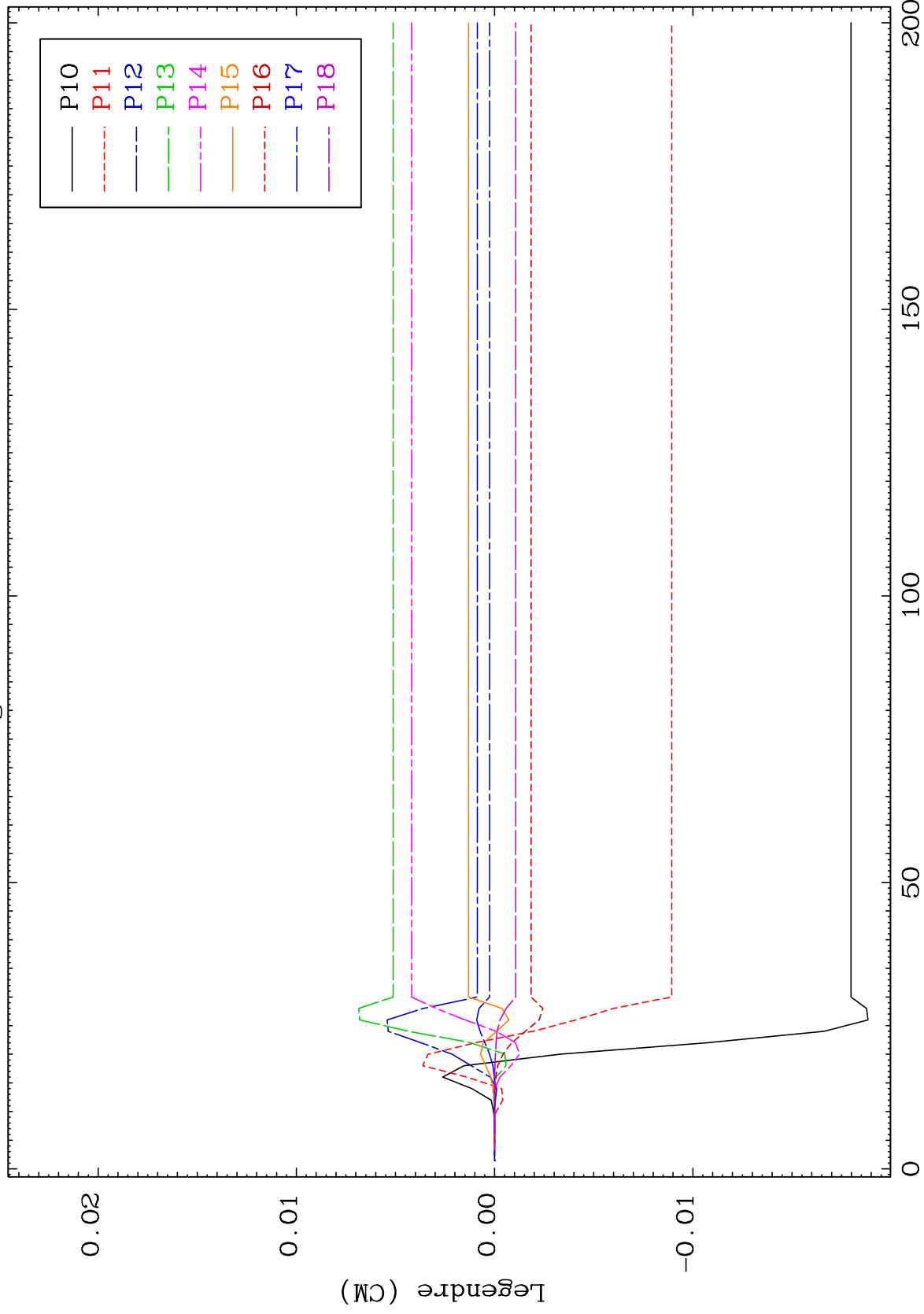
Incident Energy (MeV)

79-Au-191

MAT 7907

1.411 MeV (n,n') Level  
Legendre Coefficients

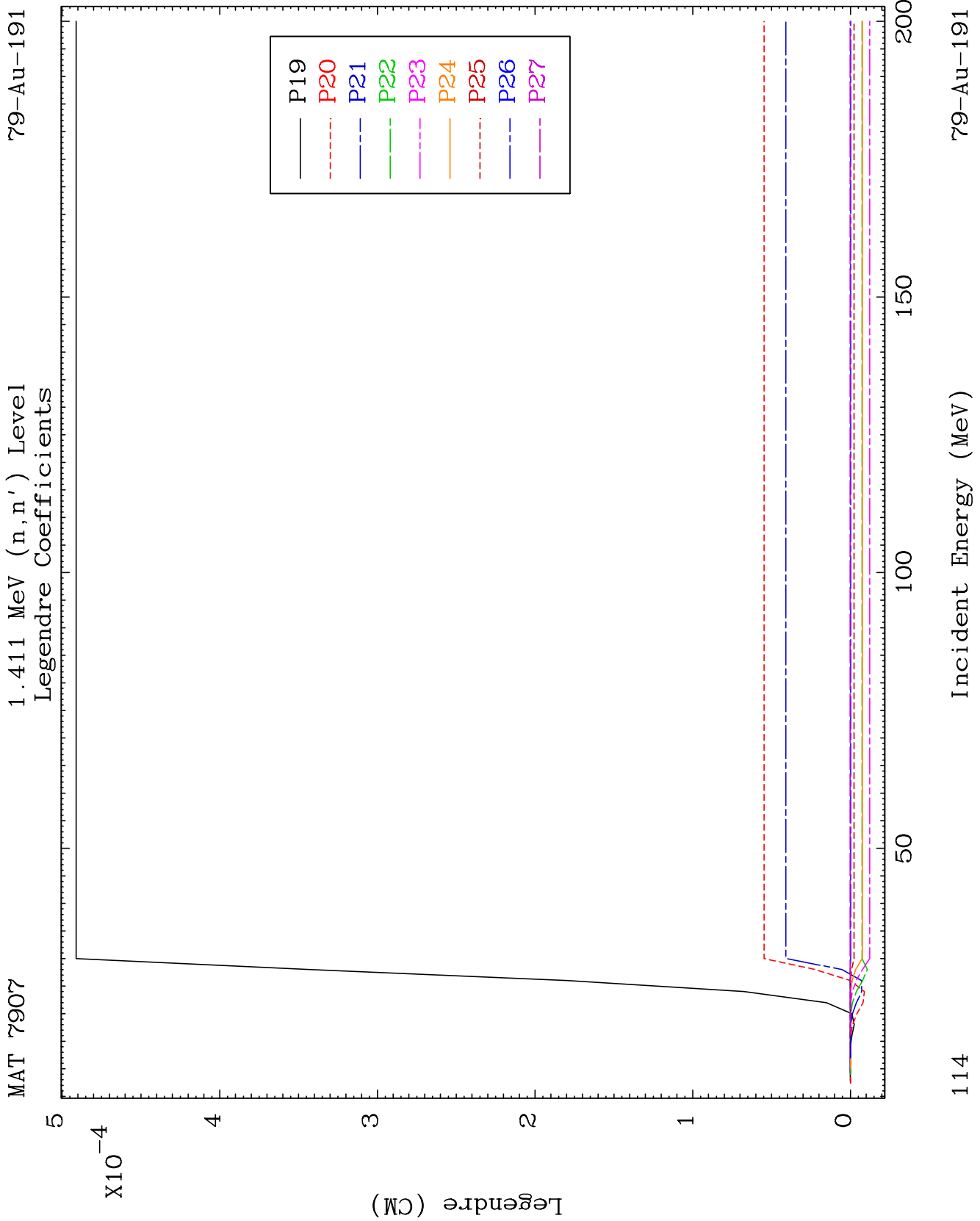
79-Au-191



113

Incident Energy (MeV)

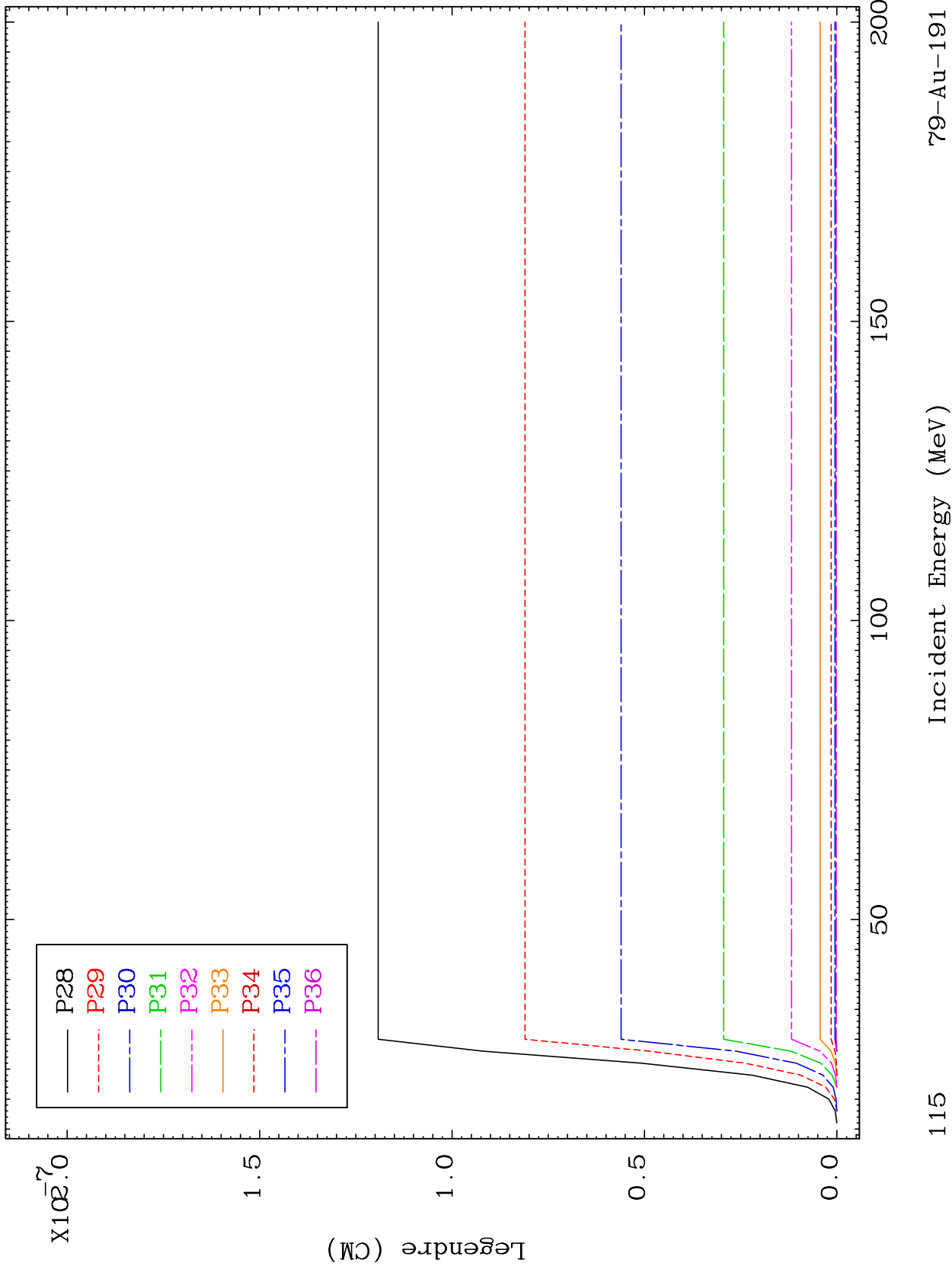
79-Au-191



MAT 7907

1.411 MeV (n, n') Level  
Legendre Coefficients

79-Au-191



115

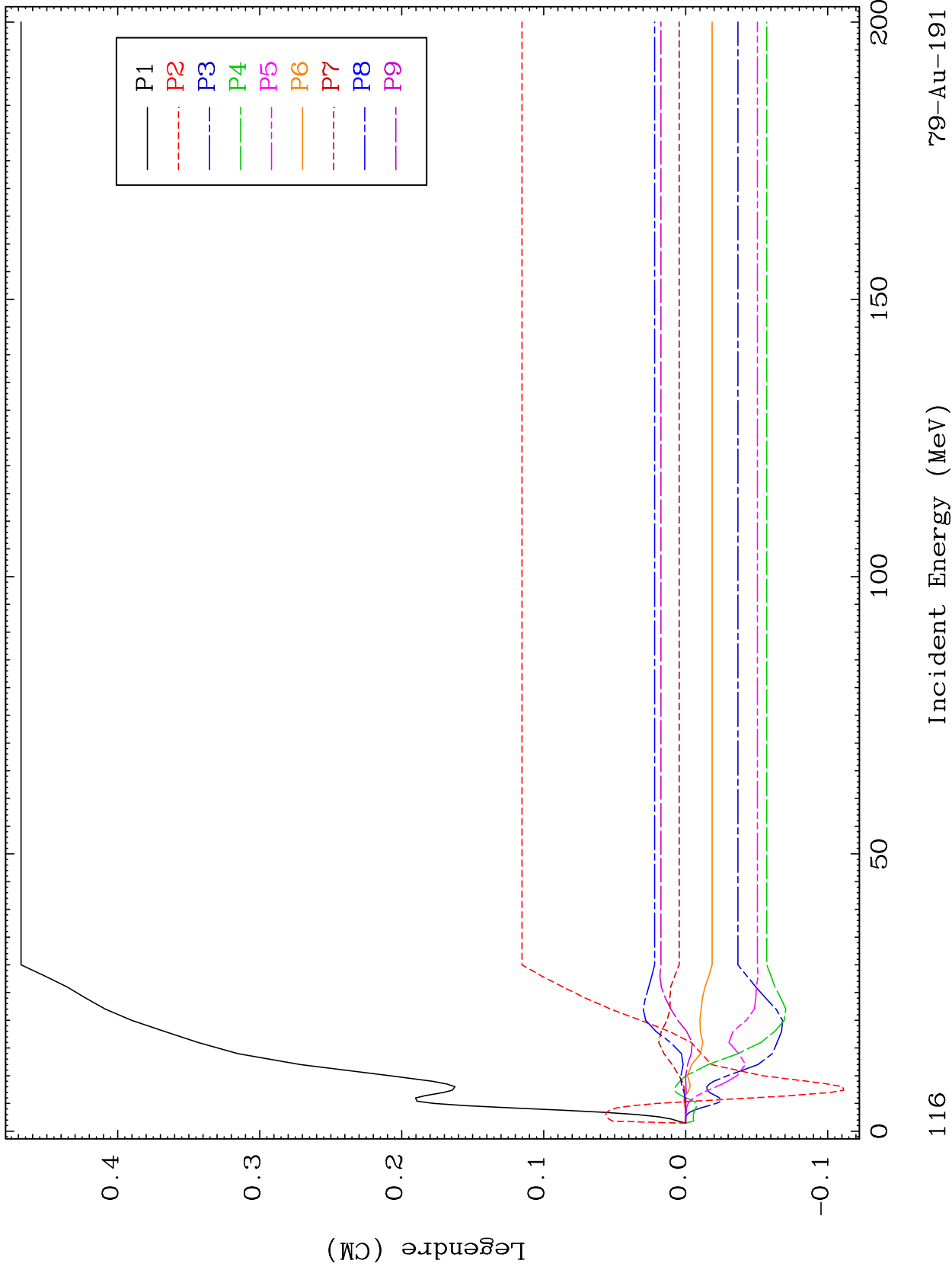
Incident Energy (MeV)

79-Au-191

MAT 7907

1.431 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



79-Au-191

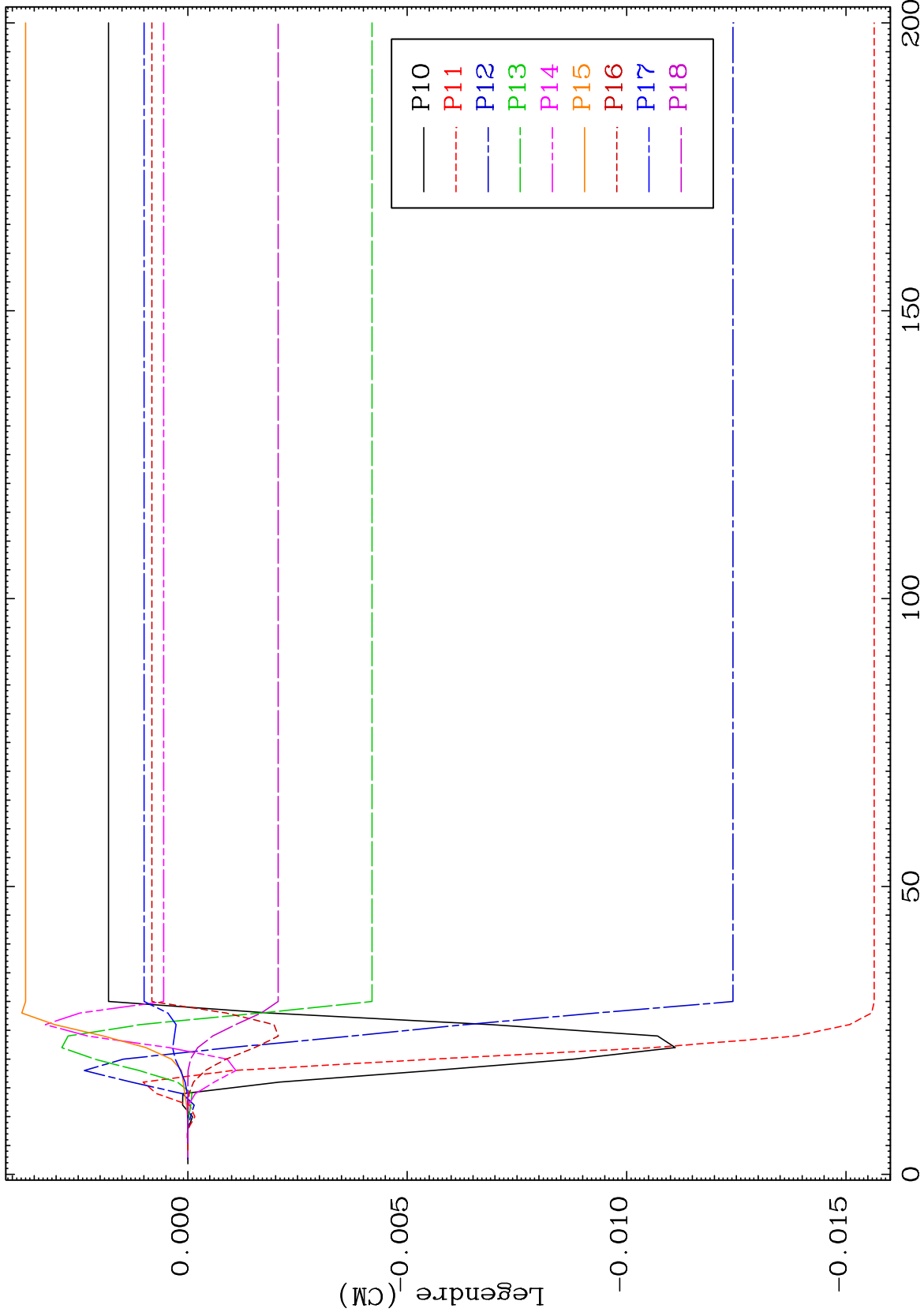
Incident Energy (MeV)

116

MAT 7907

1.431 MeV (n,n') Level  
Legendre Coefficients

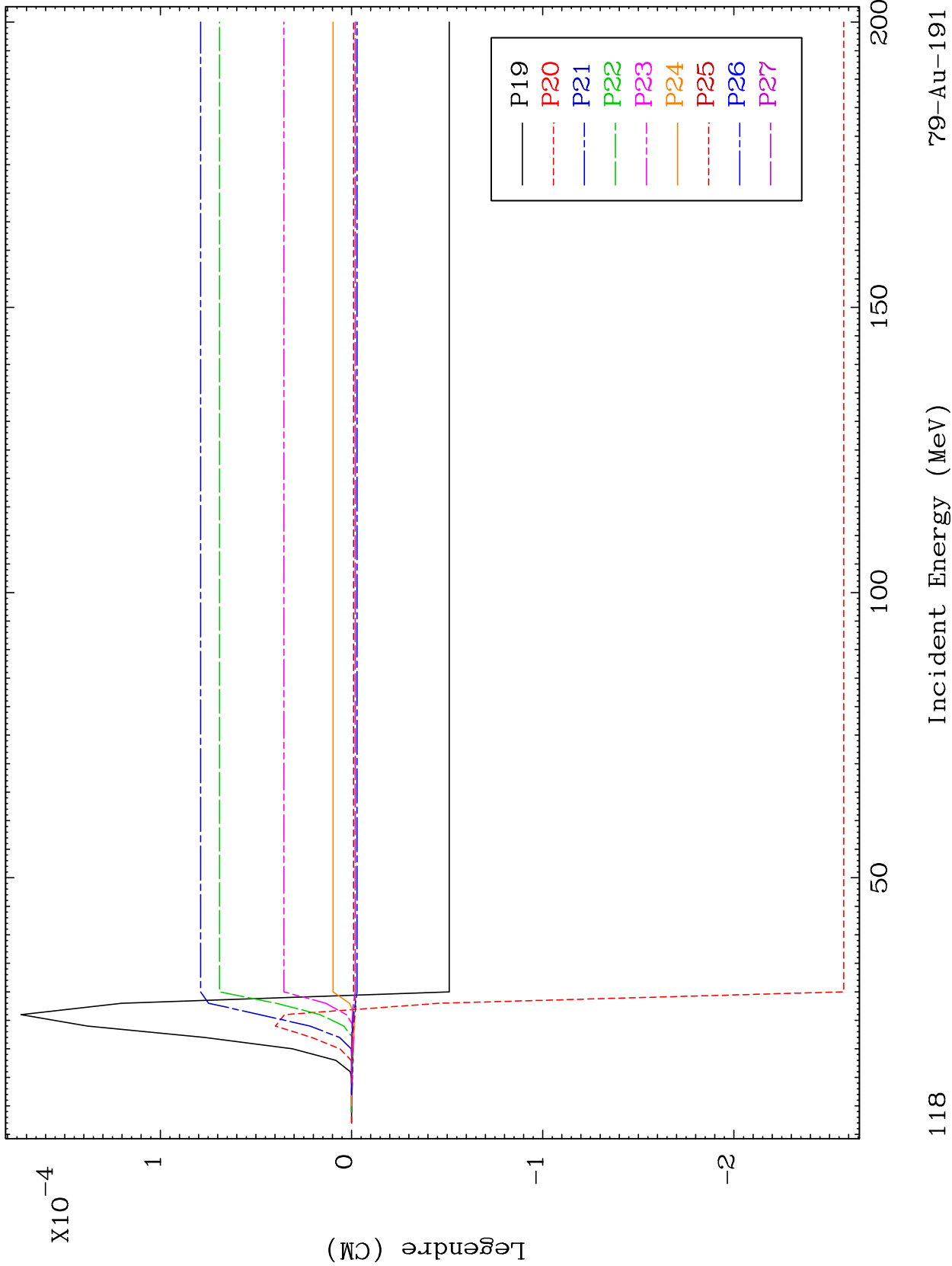
79-Au-191

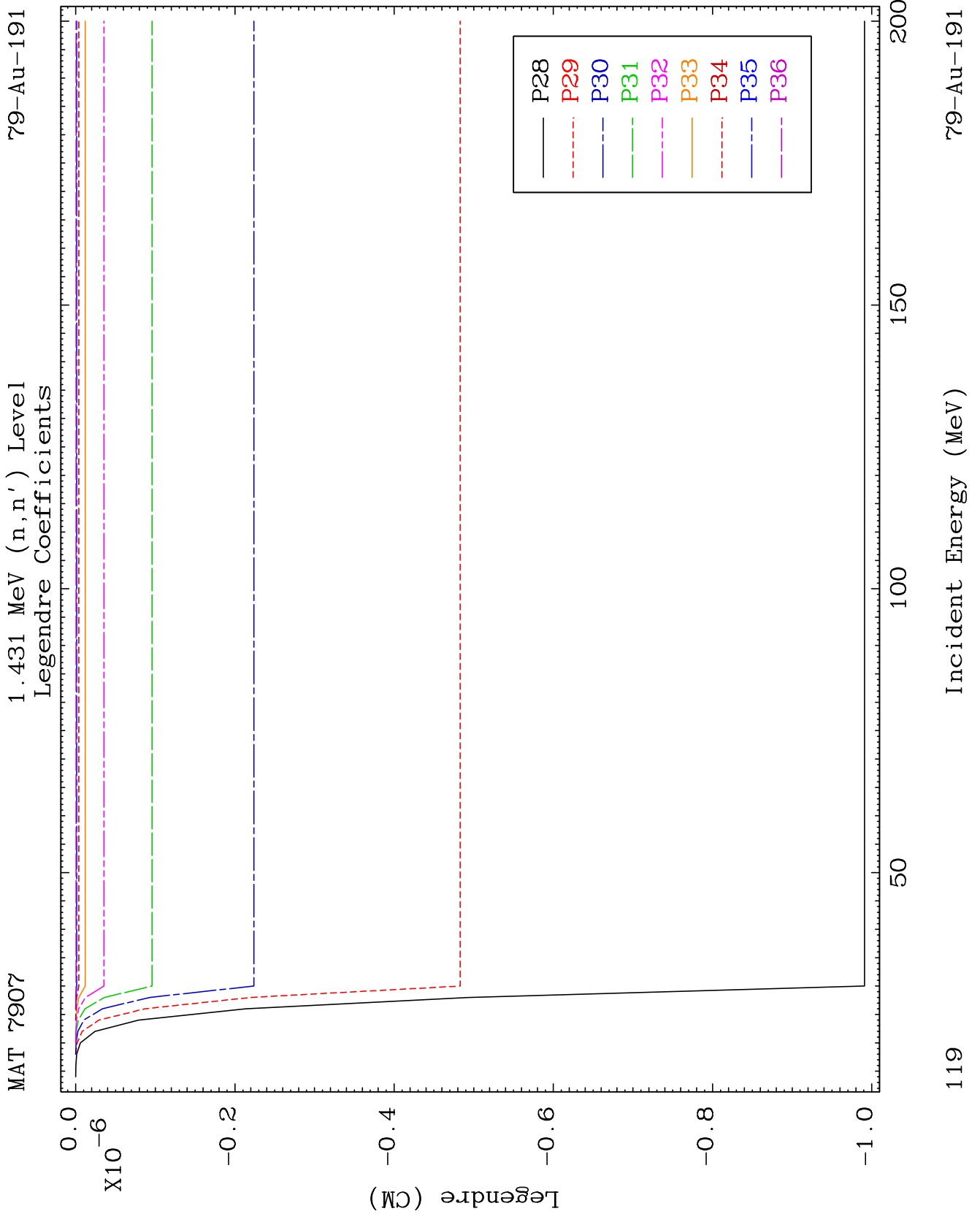


117

Incident Energy (MeV)

79-Au-191





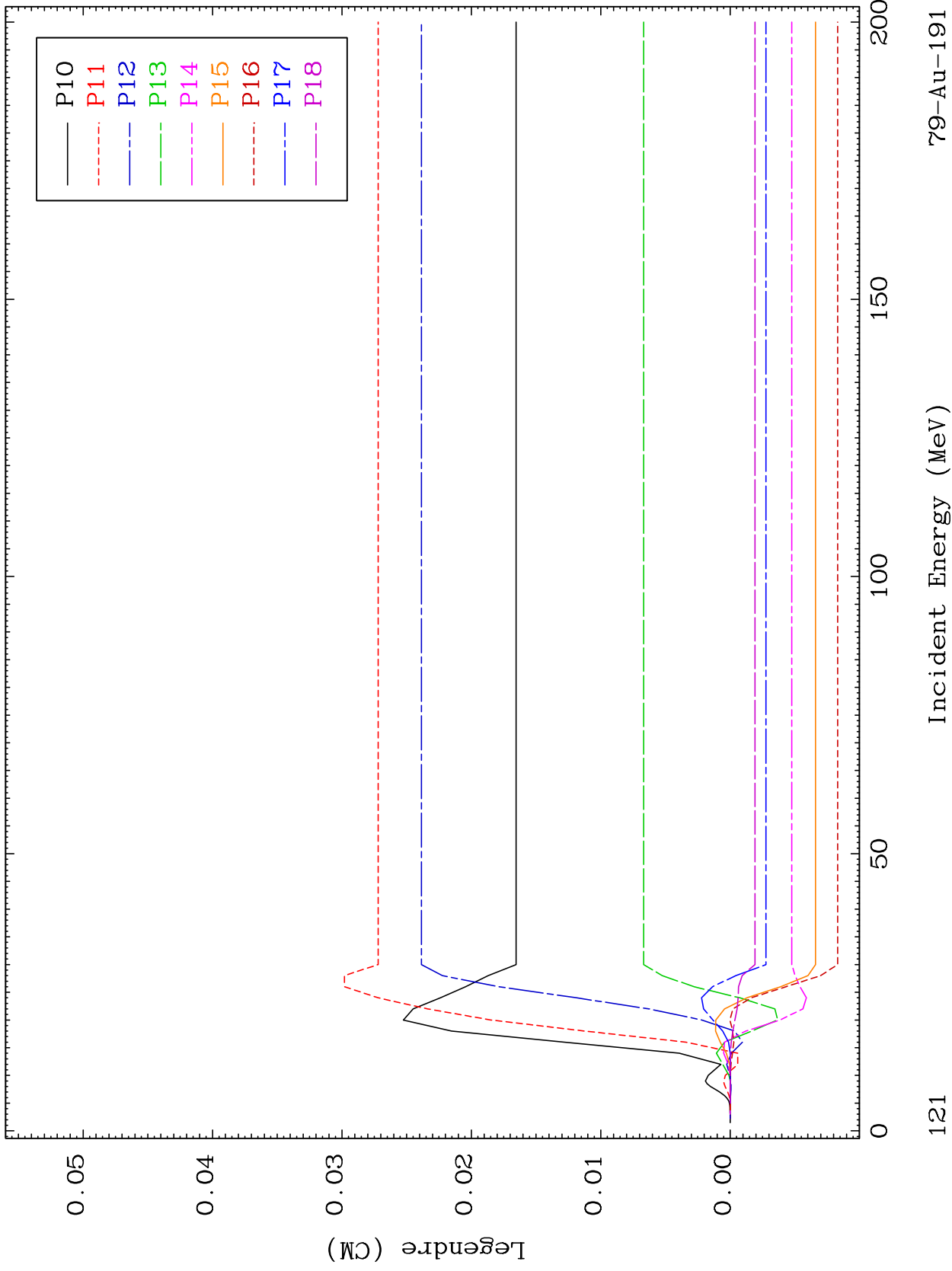




MAT 7907

1.460 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



79-Au-191

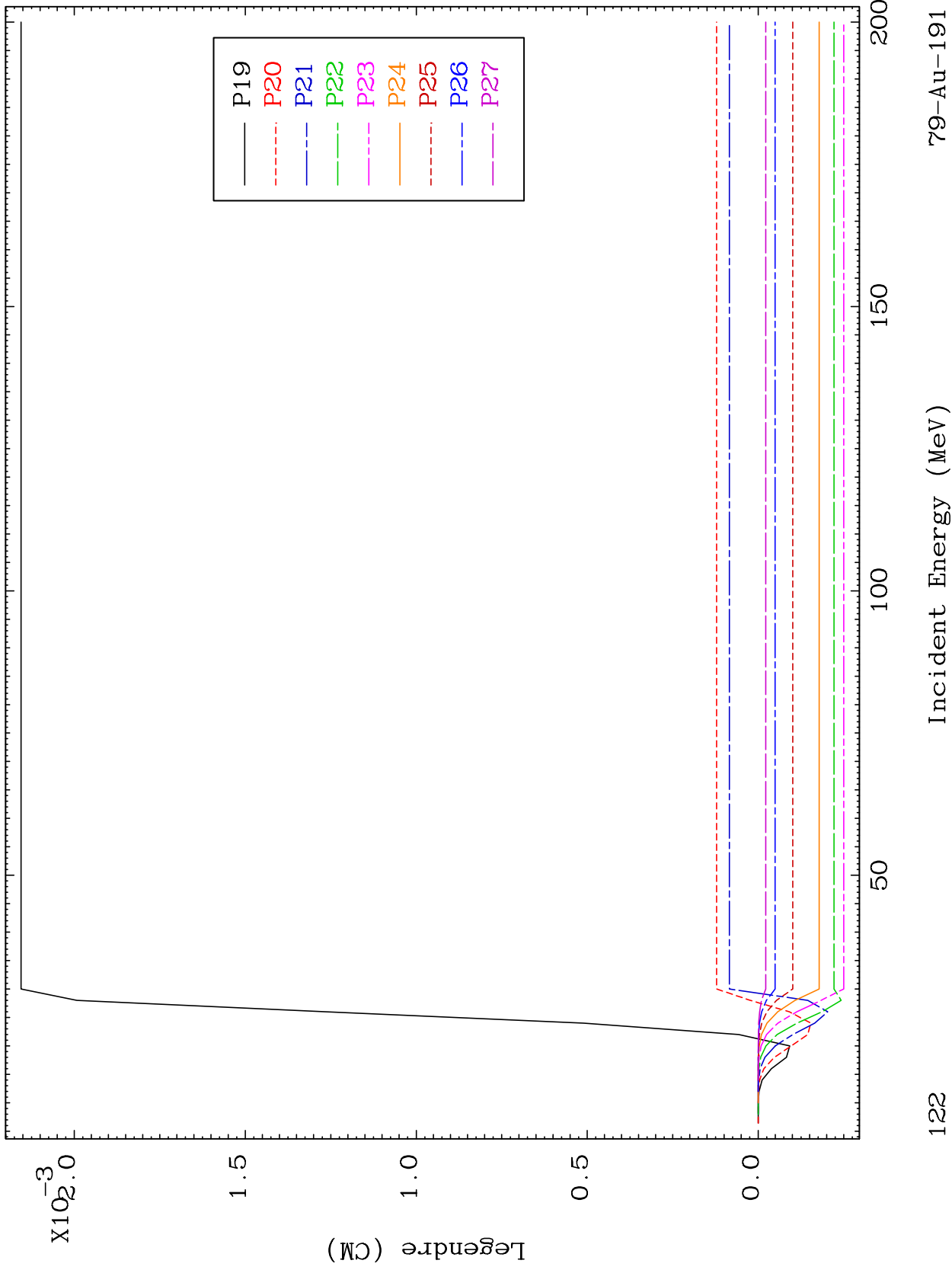
Incident Energy (MeV)

121

MAT 7907

1.460 MeV (n, n') Level  
Legendre Coefficients

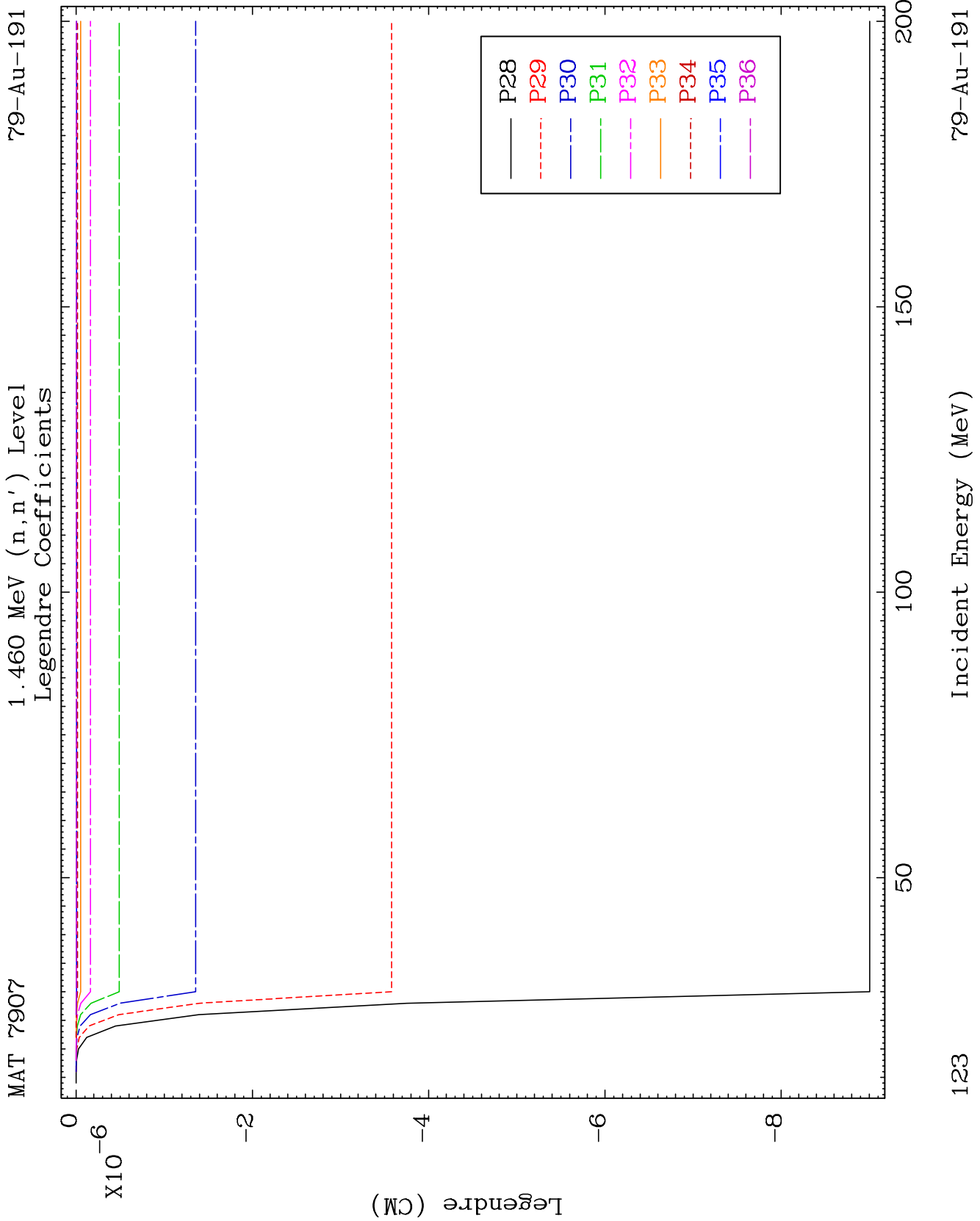
79-Au-191



122

Incident Energy (MeV)

79-Au-191

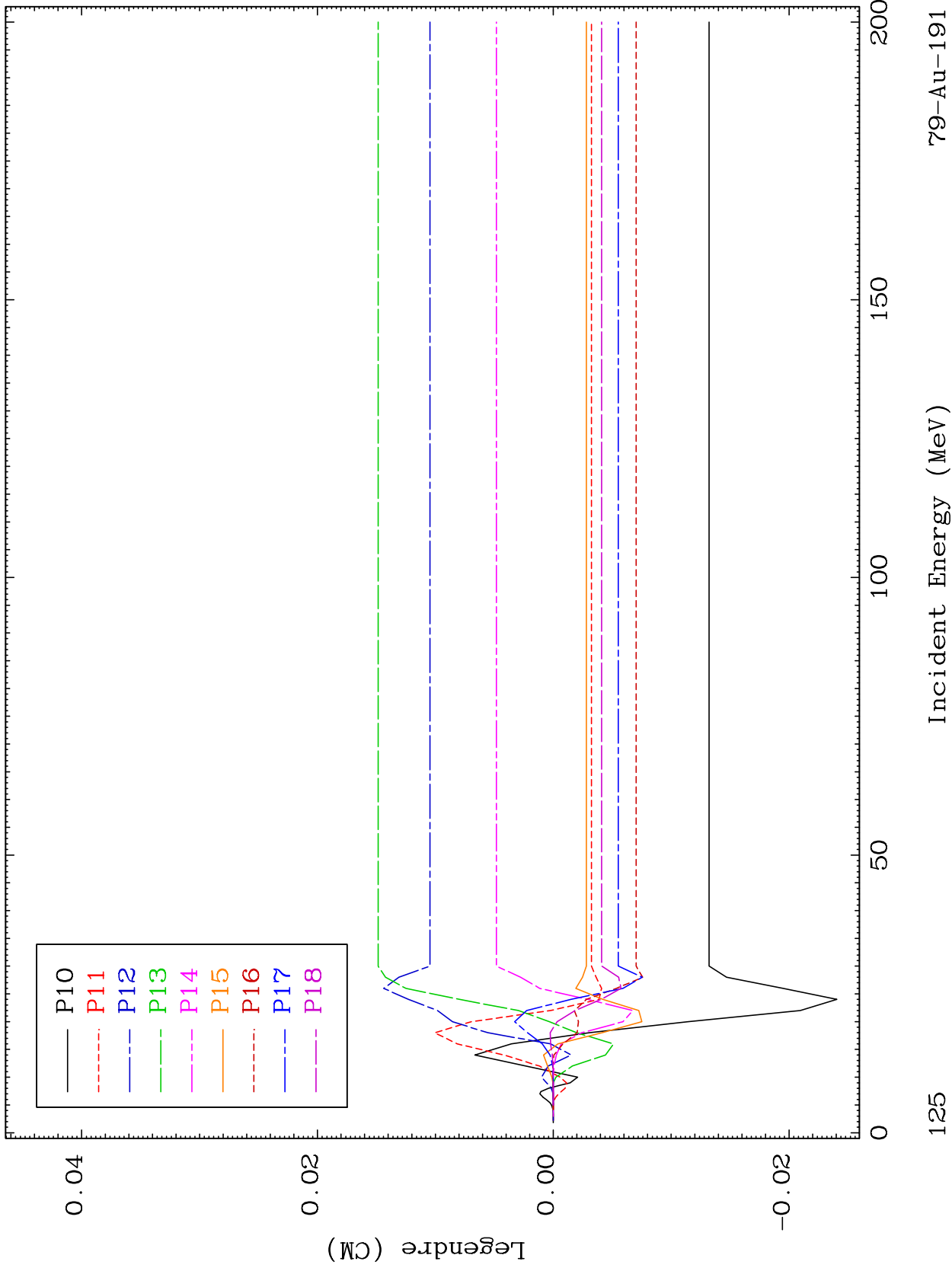




MAT 7907

1.482 MeV (n,n') Level  
Legendre Coefficients

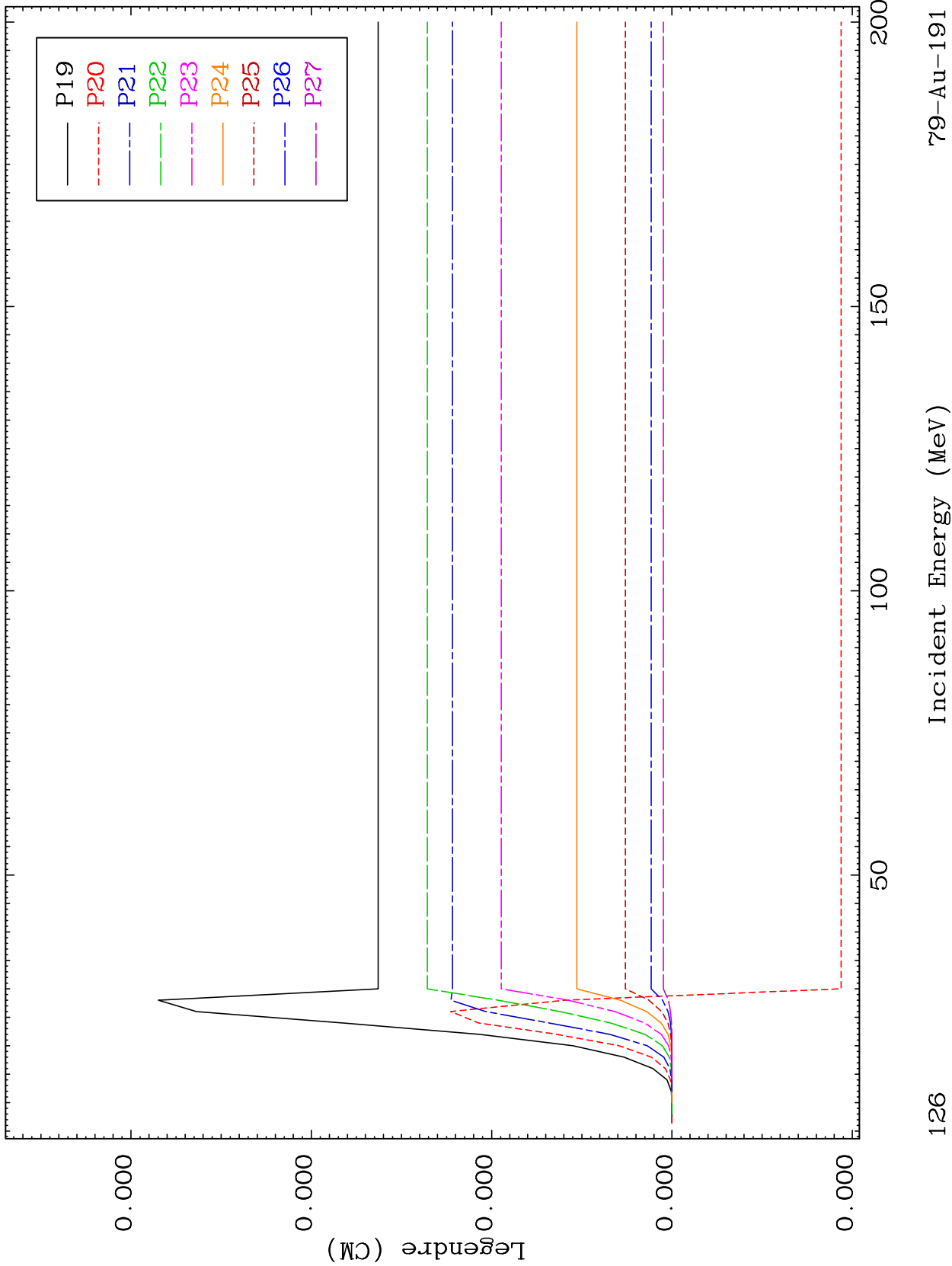
79-Au-191

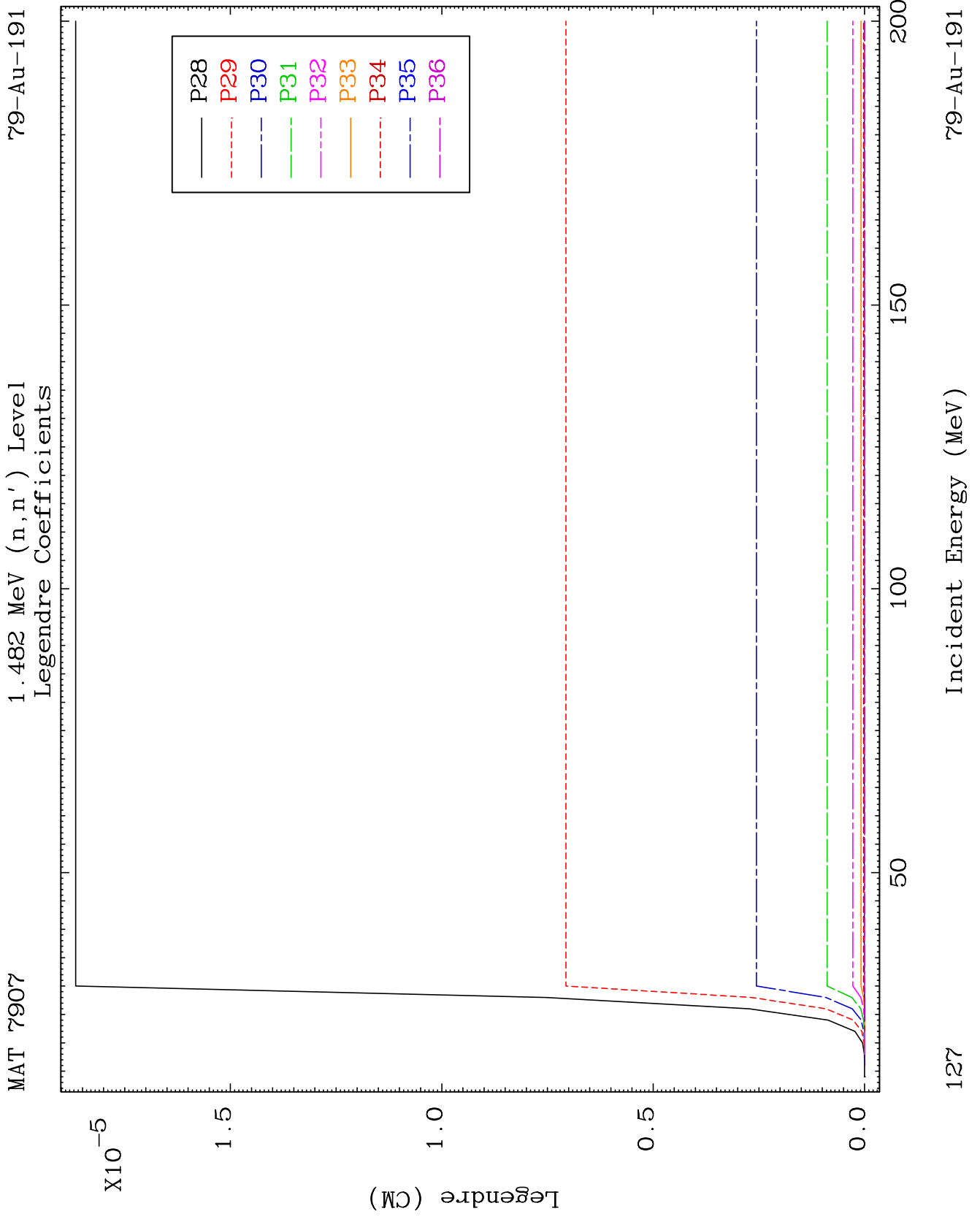


79-Au-191

Incident Energy (MeV)

125



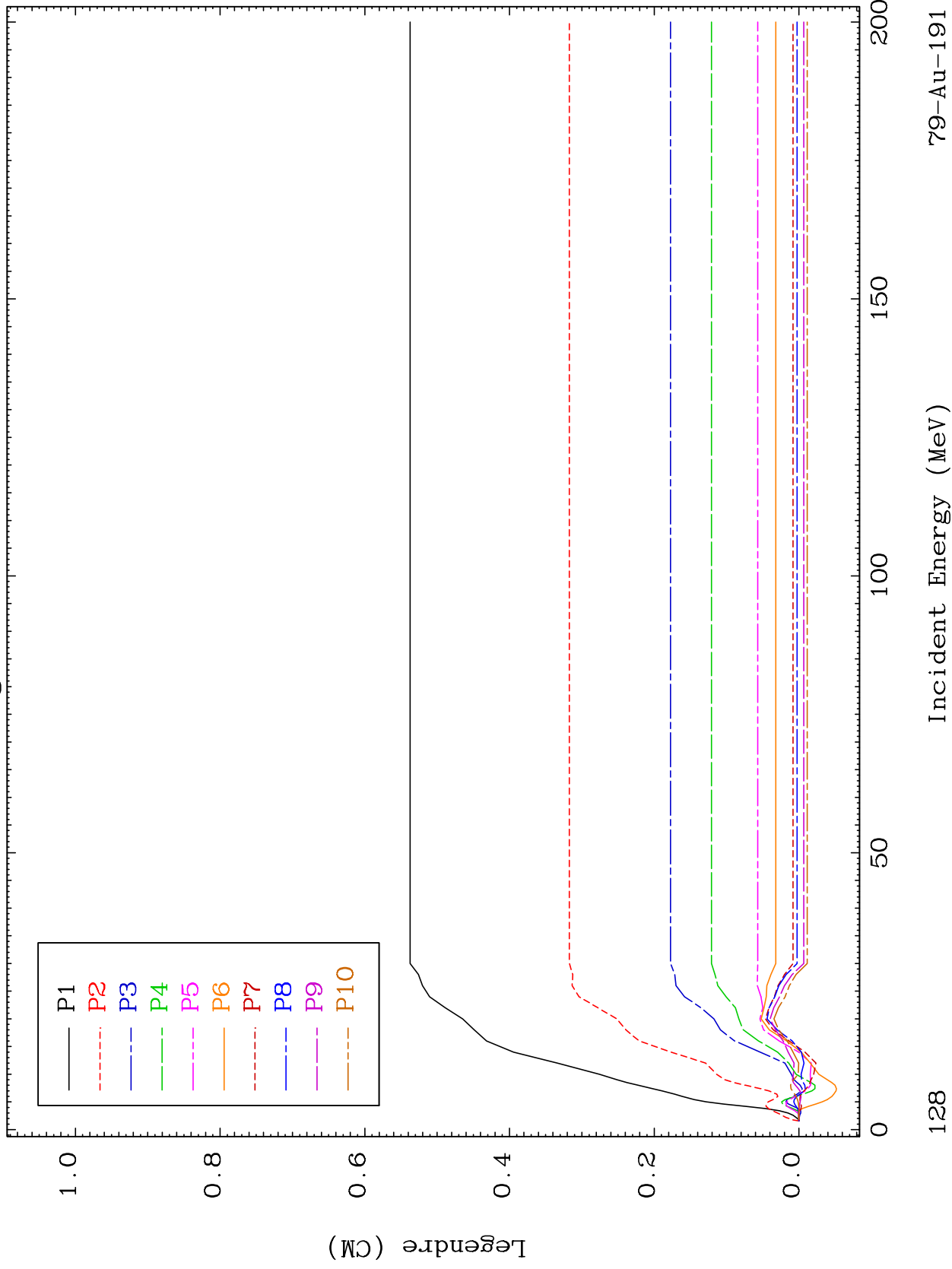




MAT 7907

1.549 MeV (n, n') Level  
Legendre Coefficients

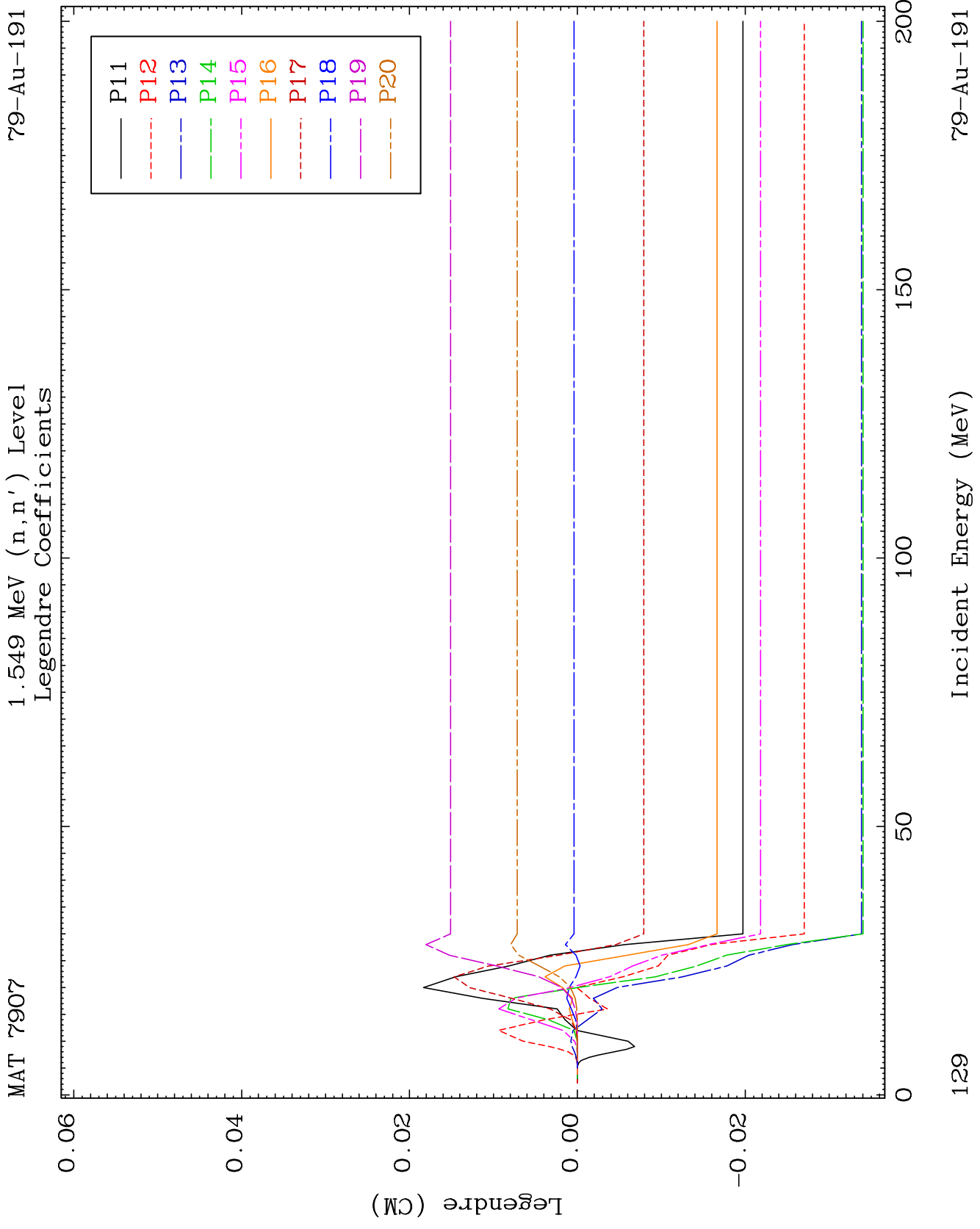
79-Au-191



128

Incident Energy (MeV)

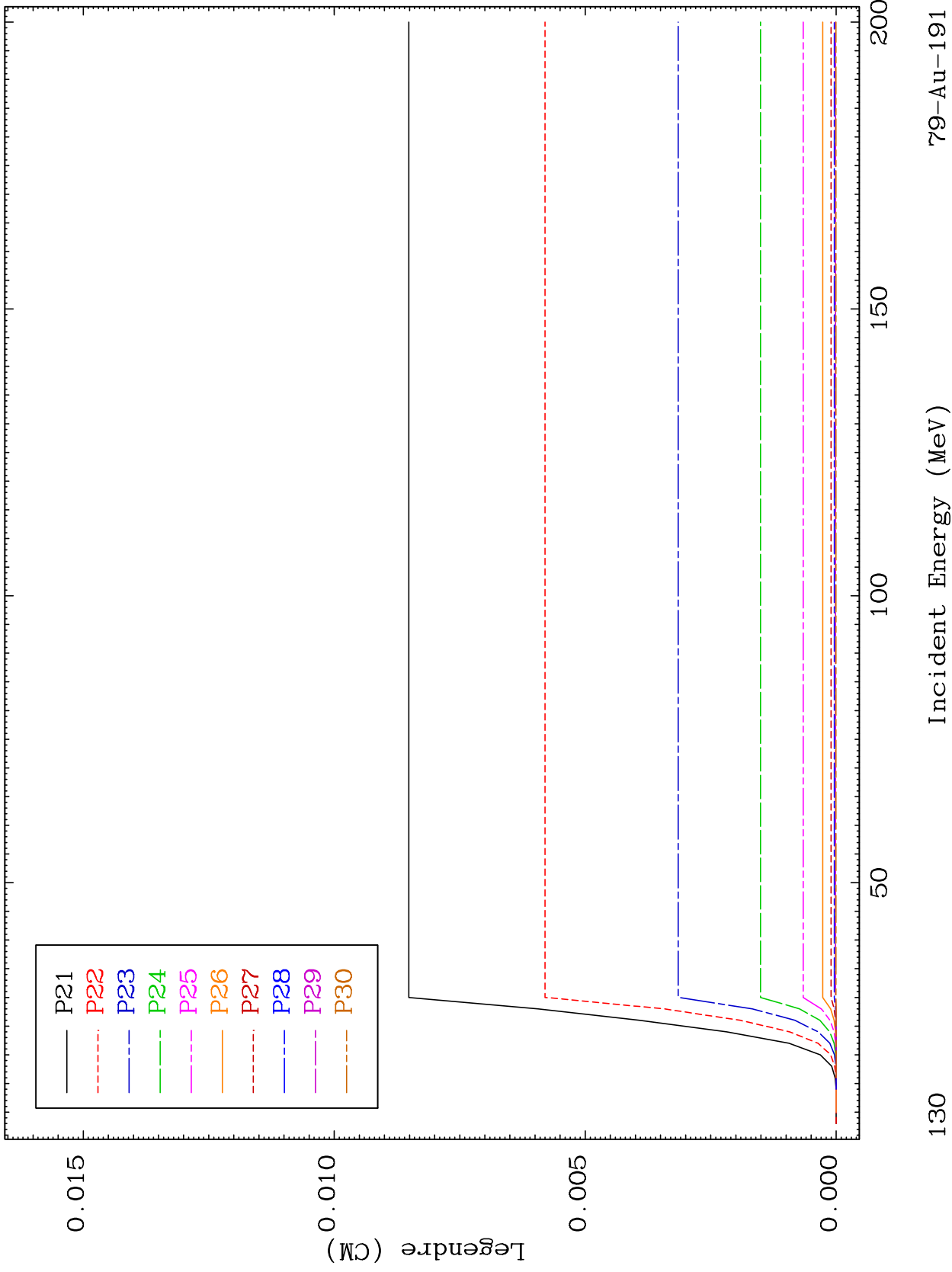
79-Au-191



MAT 7907

1.549 MeV (n, n') Level  
Legendre Coefficients

79-Au-191



130

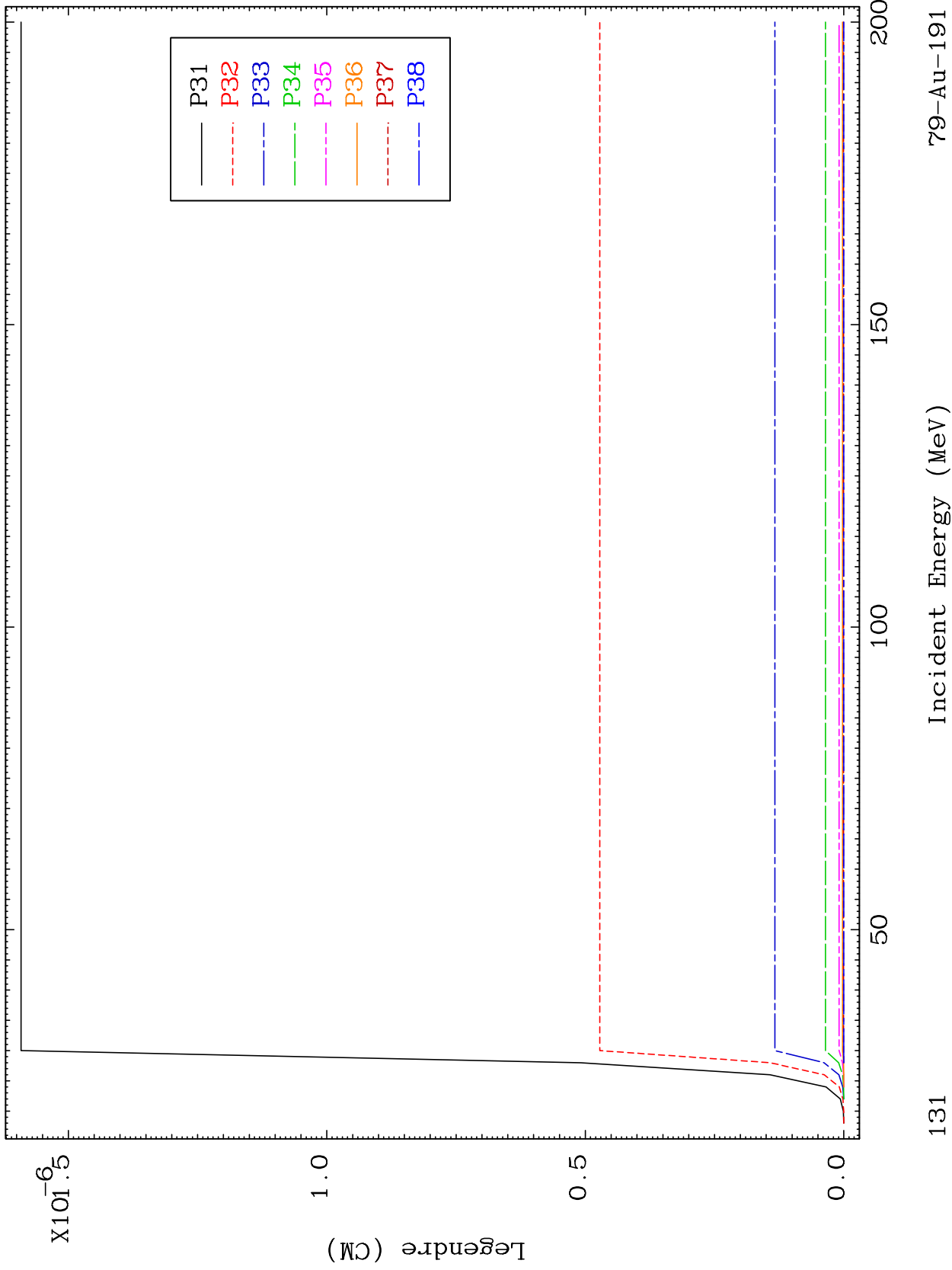
Incident Energy (MeV)

79-Au-191

MAT 7907

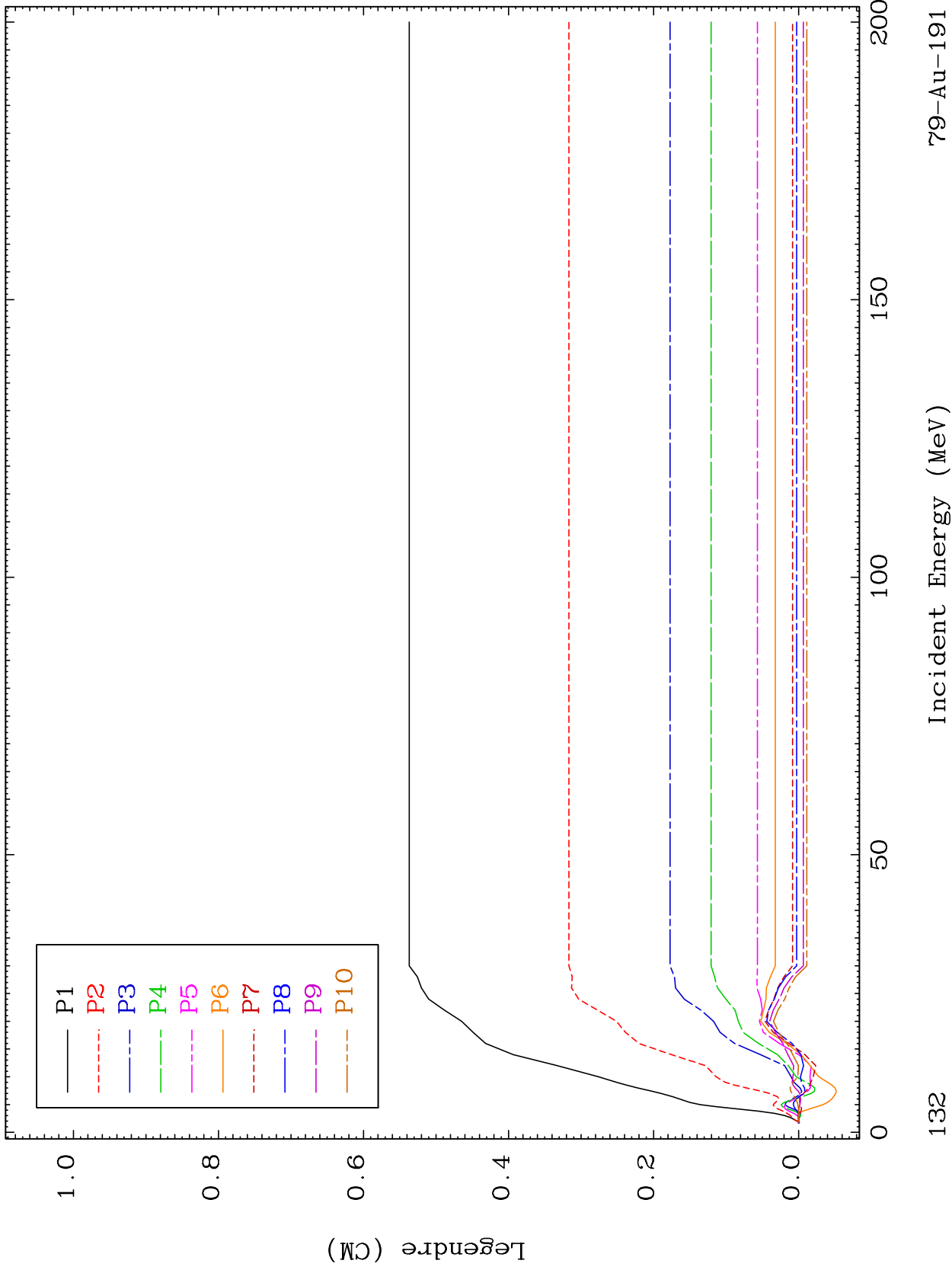
1.549 MeV (n,n') Level  
Legendre Coefficients

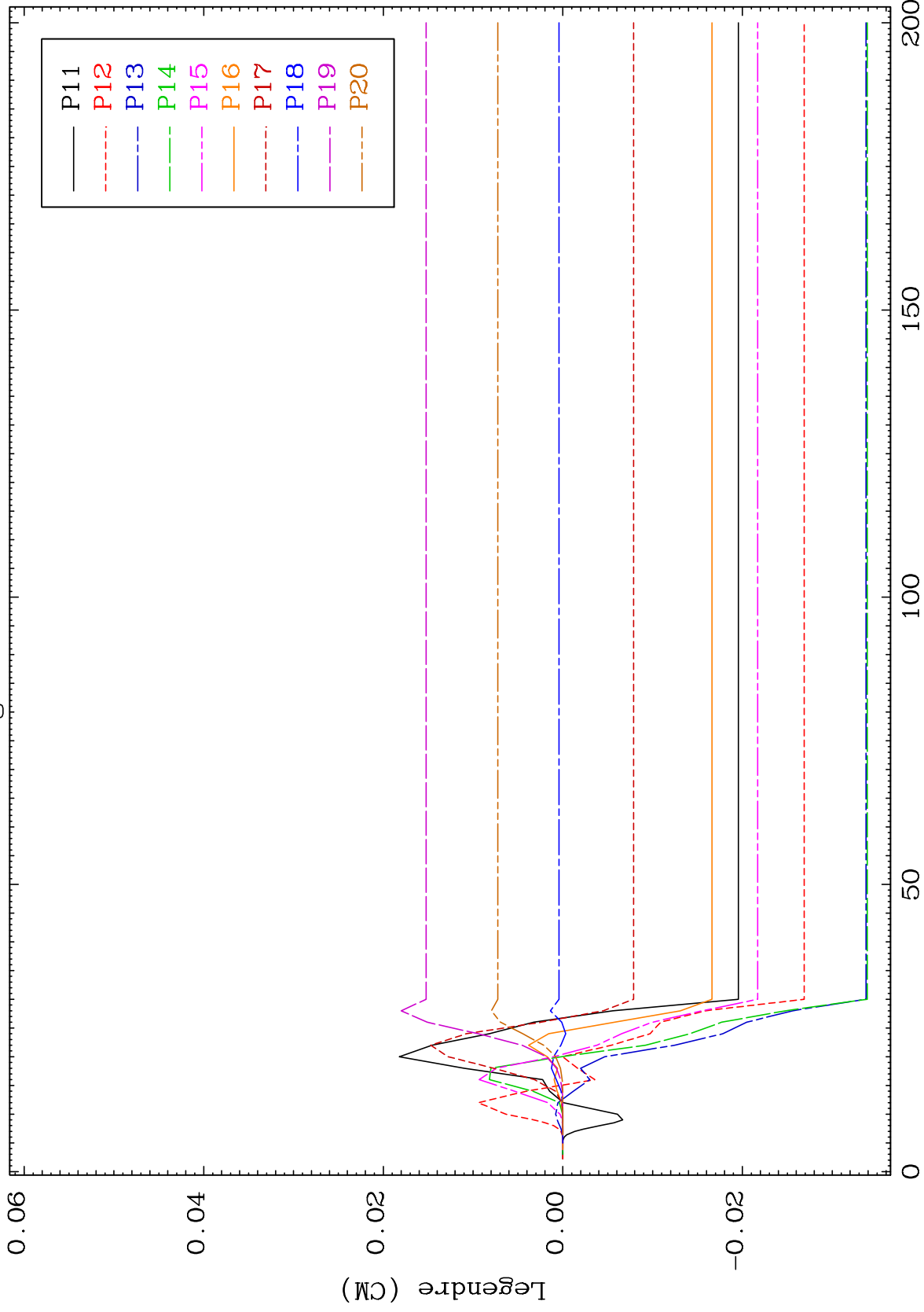
79-Au-191



131

79-Au-191

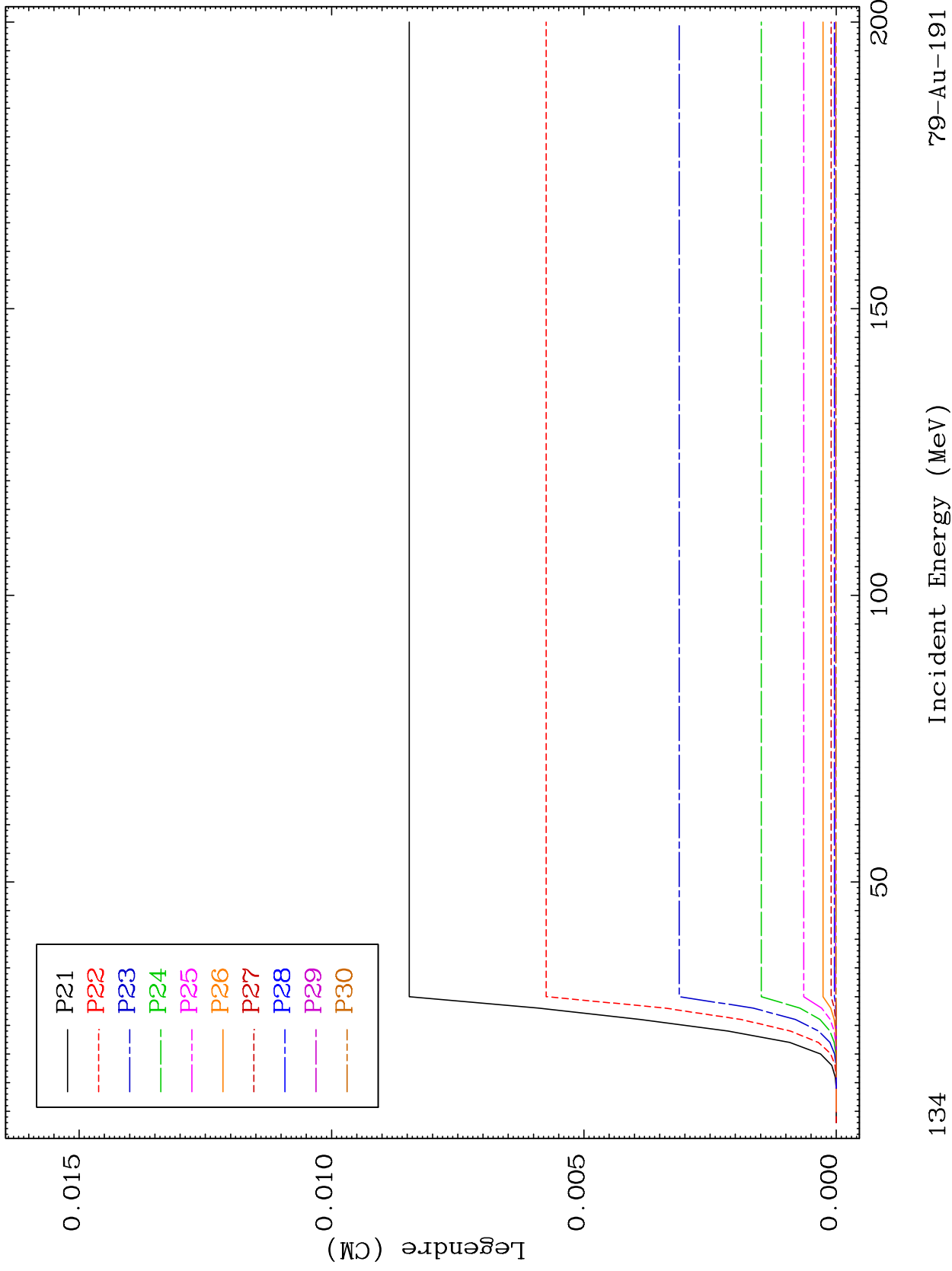




MAT 7907

1.630 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



134

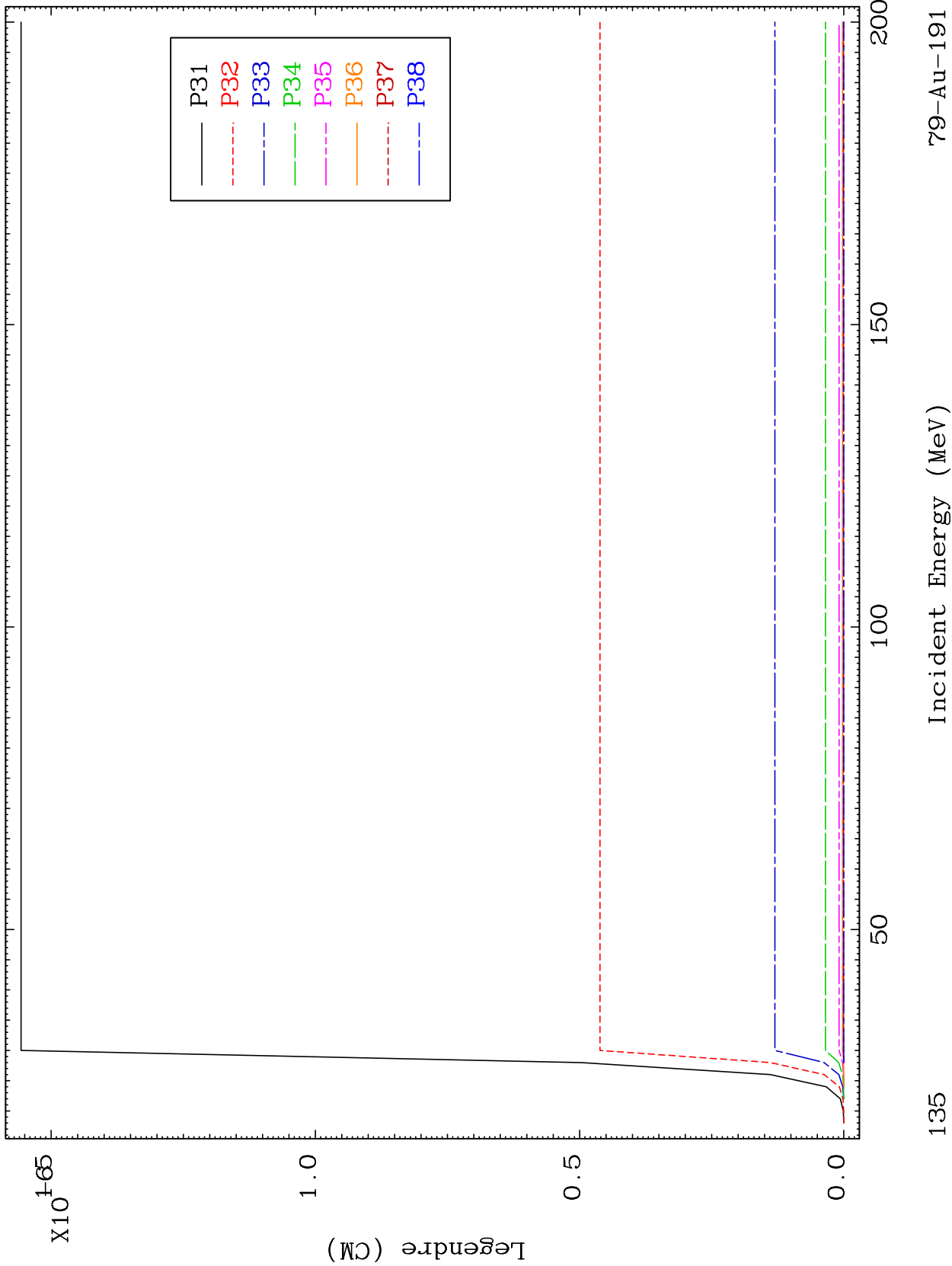
Incident Energy (MeV)

79-Au-191

MAT 7907

1.630 MeV (n,n') Level  
Legendre Coefficients

79-Au-191



135

Incident Energy (MeV)

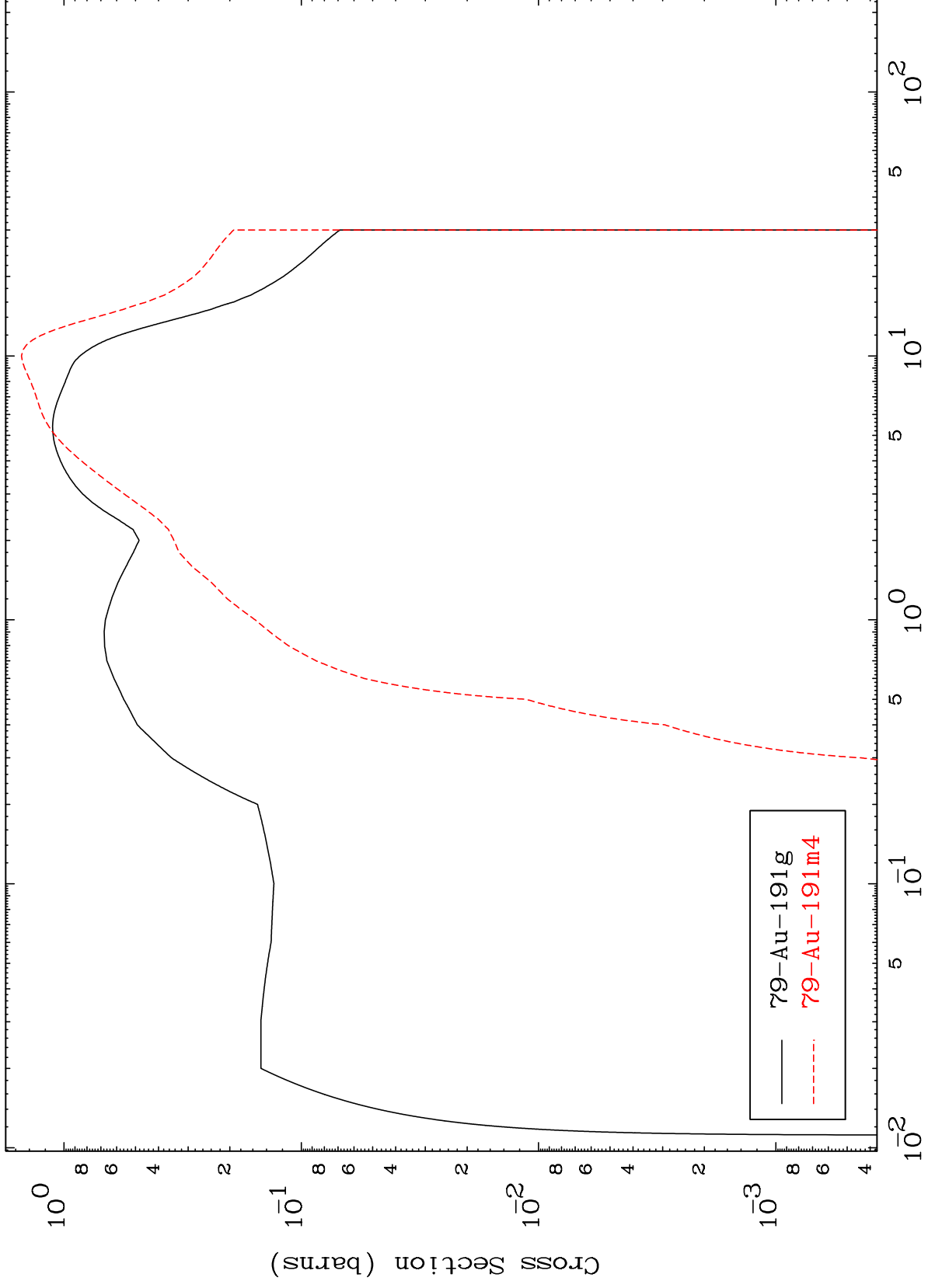
79-Au-191



MAT 7907

79-Au-191

Inelastic  
Radionuclide Production Cross Section

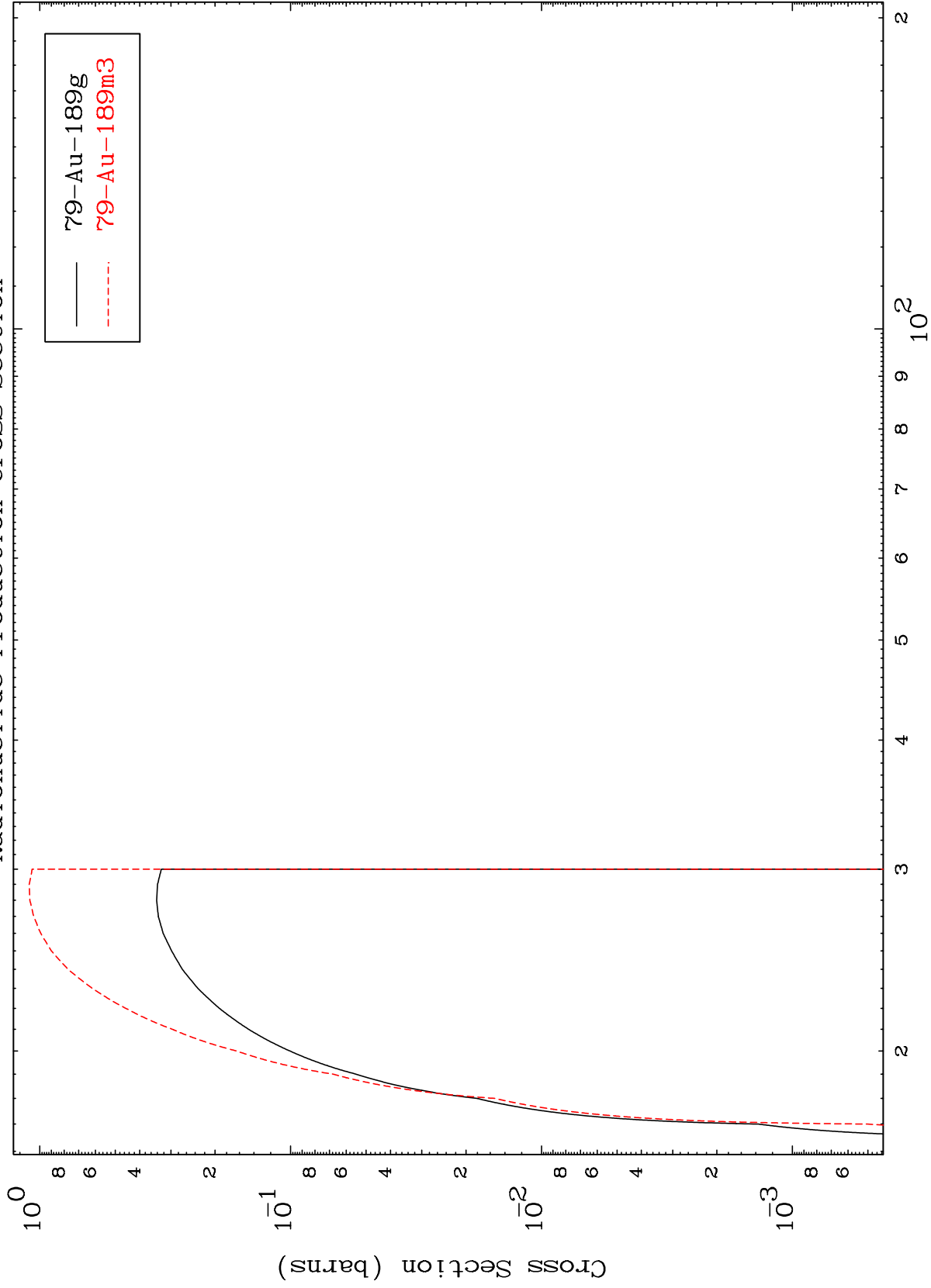


79-Au-191

Incident Energy (MeV)

136

Radionuclide Production Cross Section

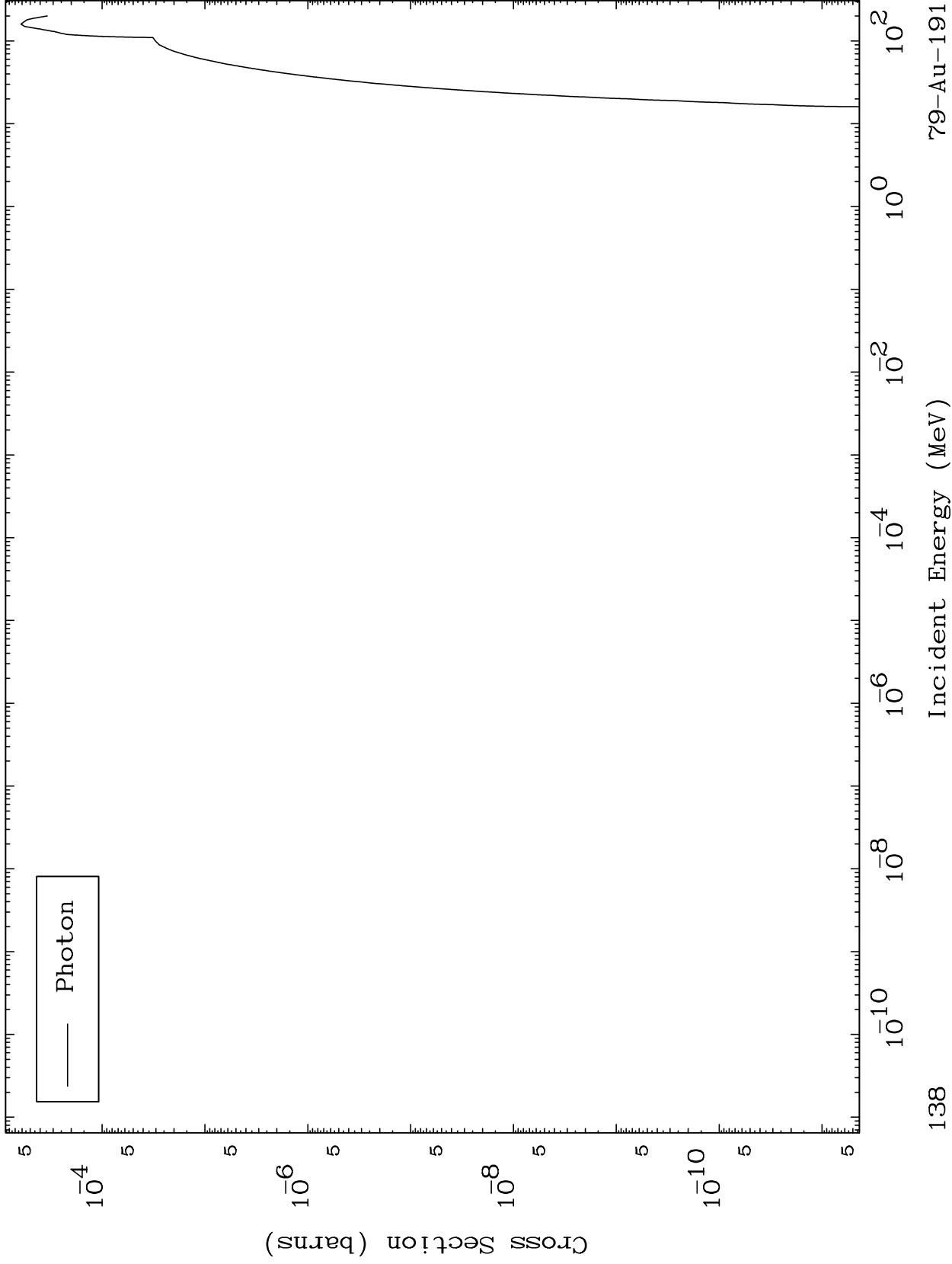


MAT 7907

Fission

79-Au-191

Radionuclide Production Cross Section

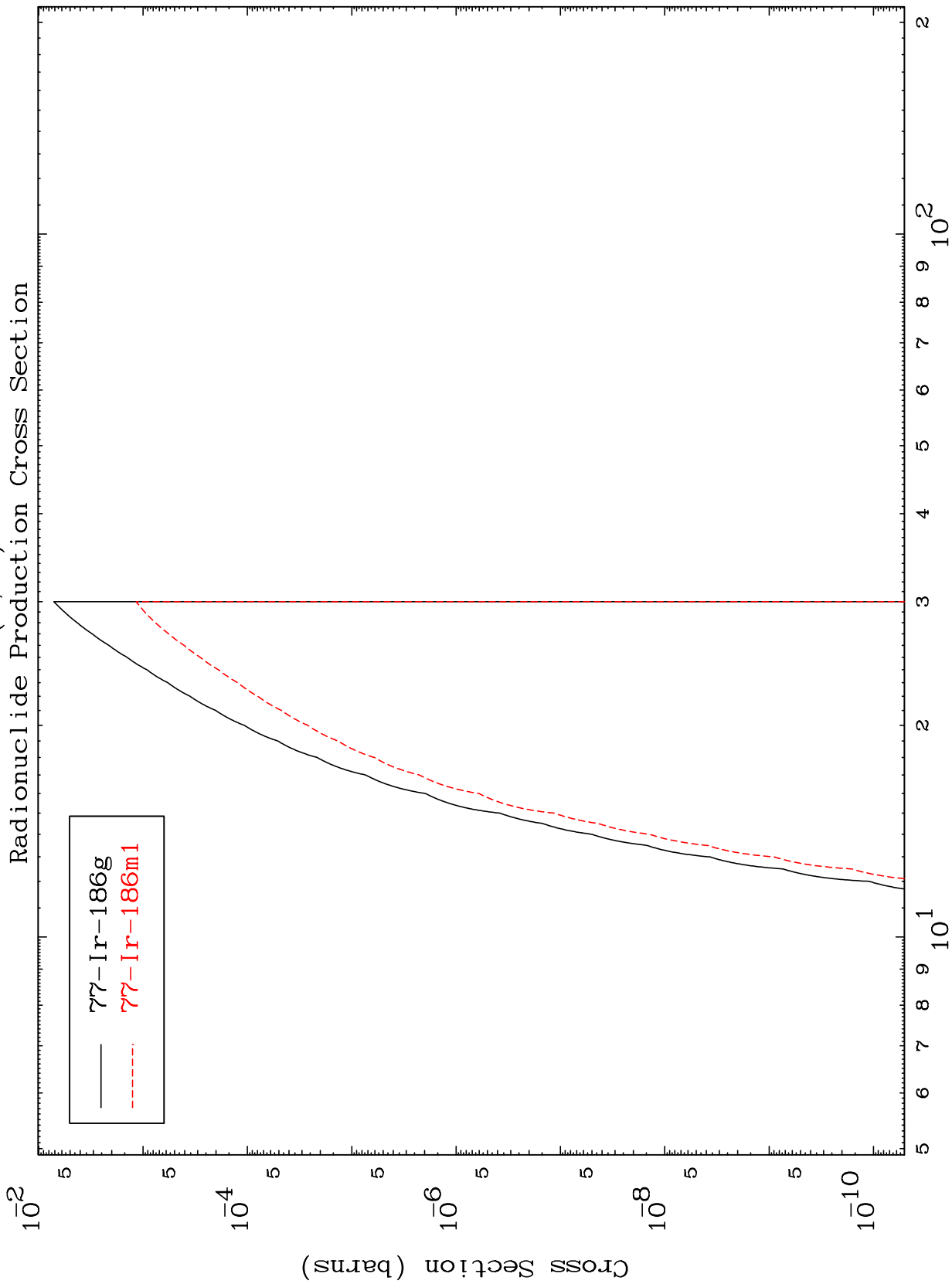


MAT 7907

$^{79}\text{Au-191}$

$(n,2n) \alpha$

Radionuclide Production Cross Section



139

Incident Energy (MeV)

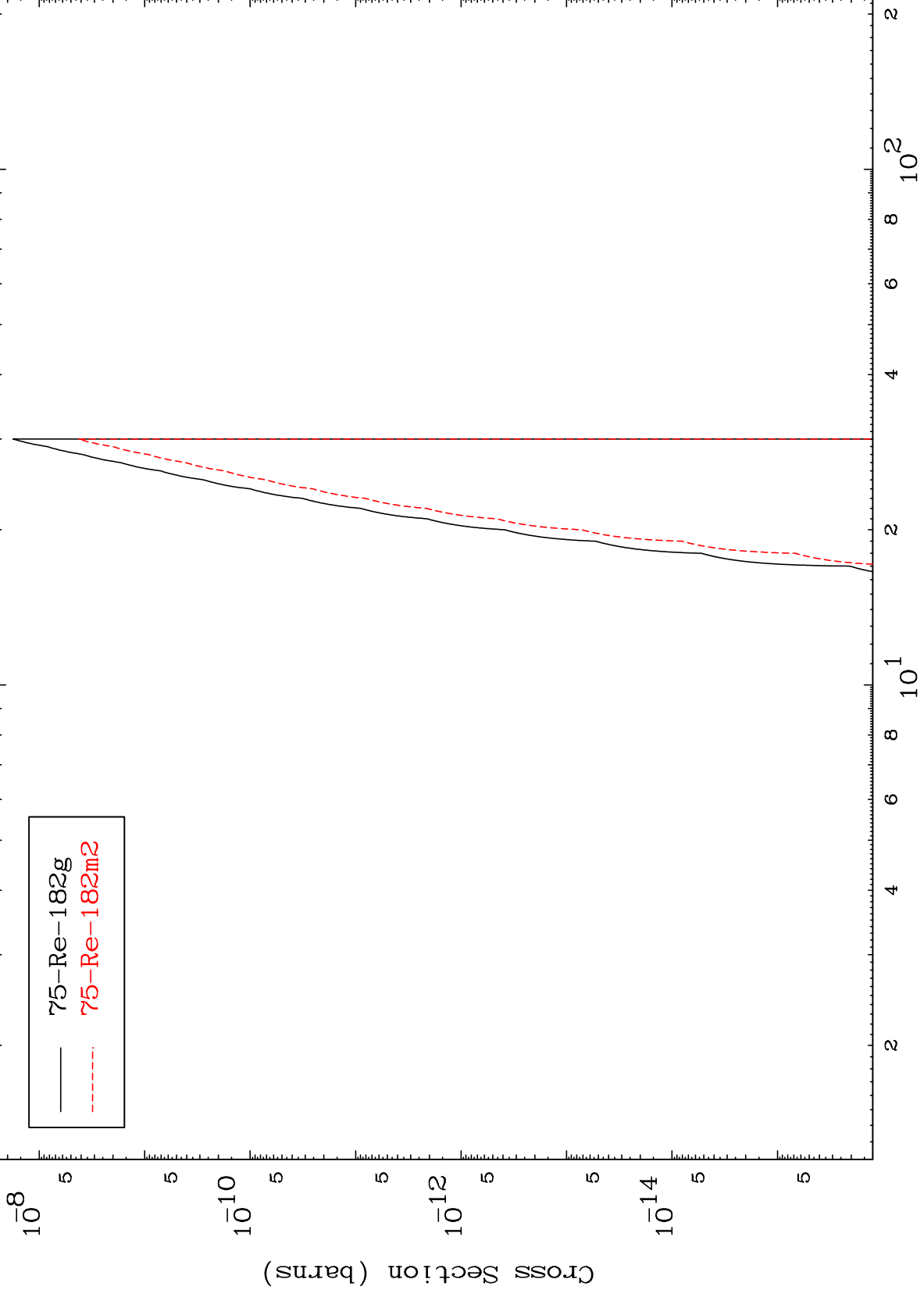
$^{79}\text{Au-191}$

MAT 7907

$^{79}\text{Au-191}$   $2\alpha$

$^{79}\text{Au-191}$

Radionuclide Production Cross Section



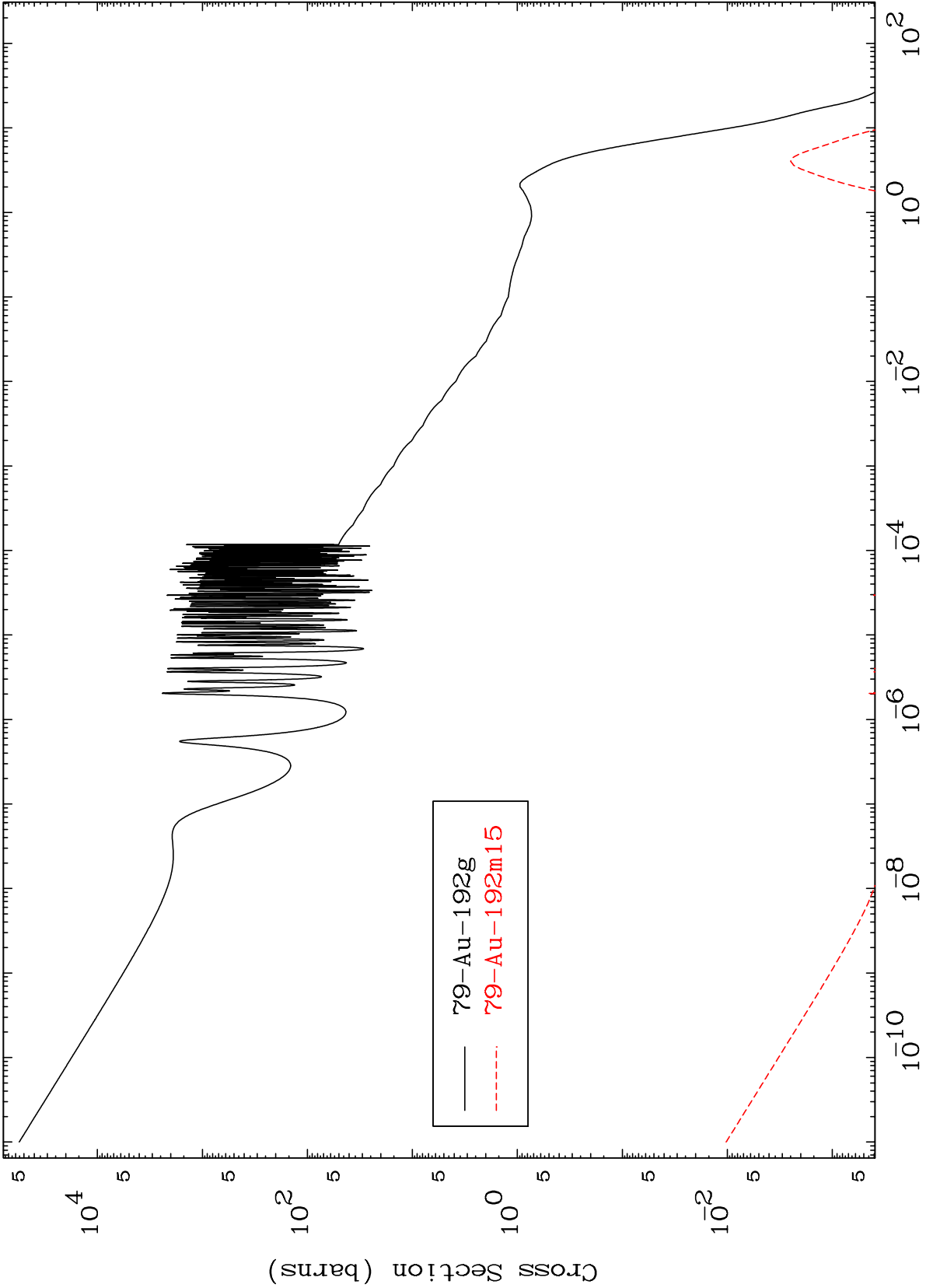
— 75-Re-182g  
- - - 75-Re-182m2

MAT 7907

<sup>79</sup>Au-191

Radionuclide Production Cross Section

(n,γ)



141

<sup>79</sup>Au-191

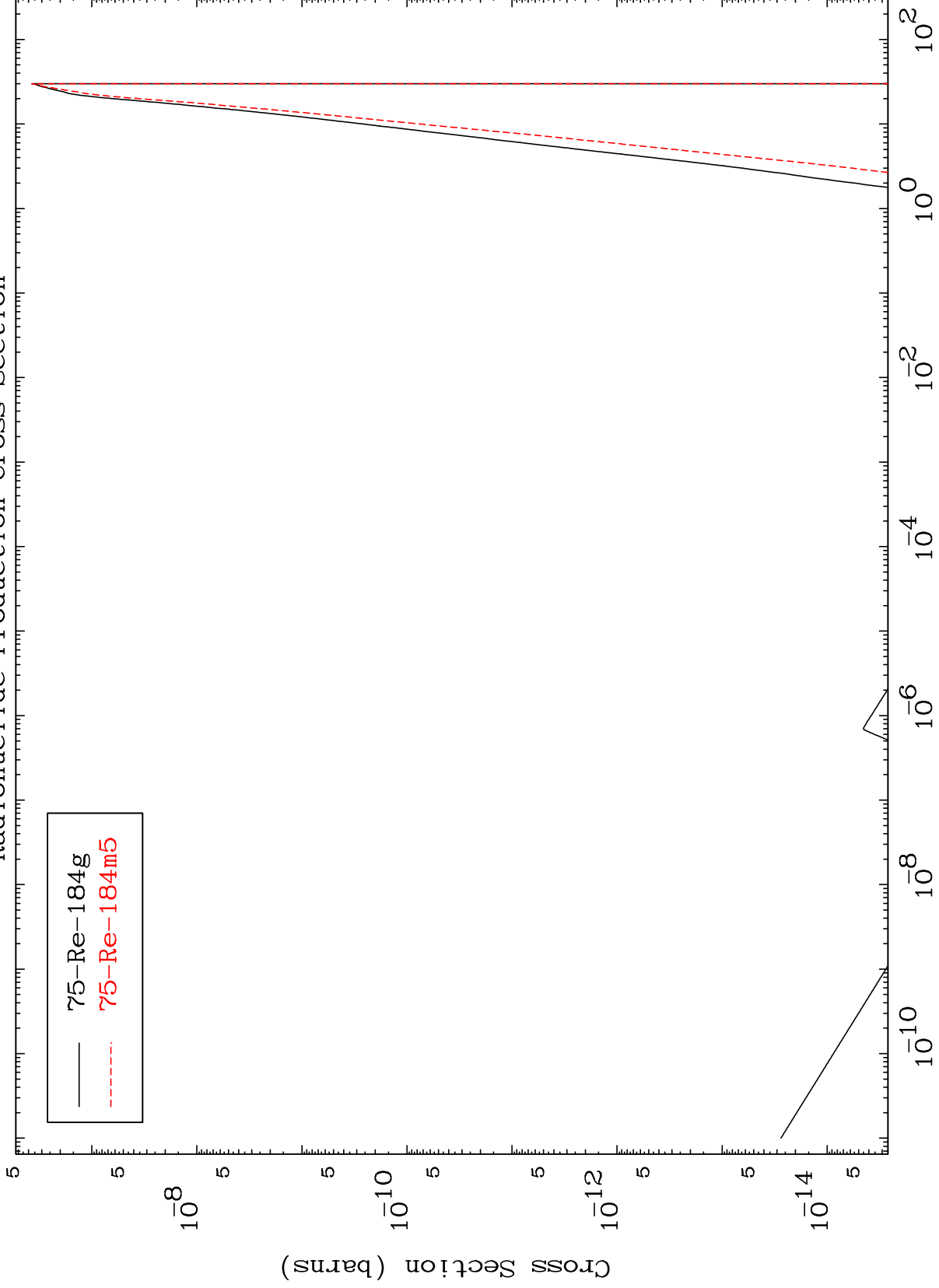
Incident Energy (MeV)

MAT 7907

(n,2α)

79-Au-191

Radionuclide Production Cross Section



142

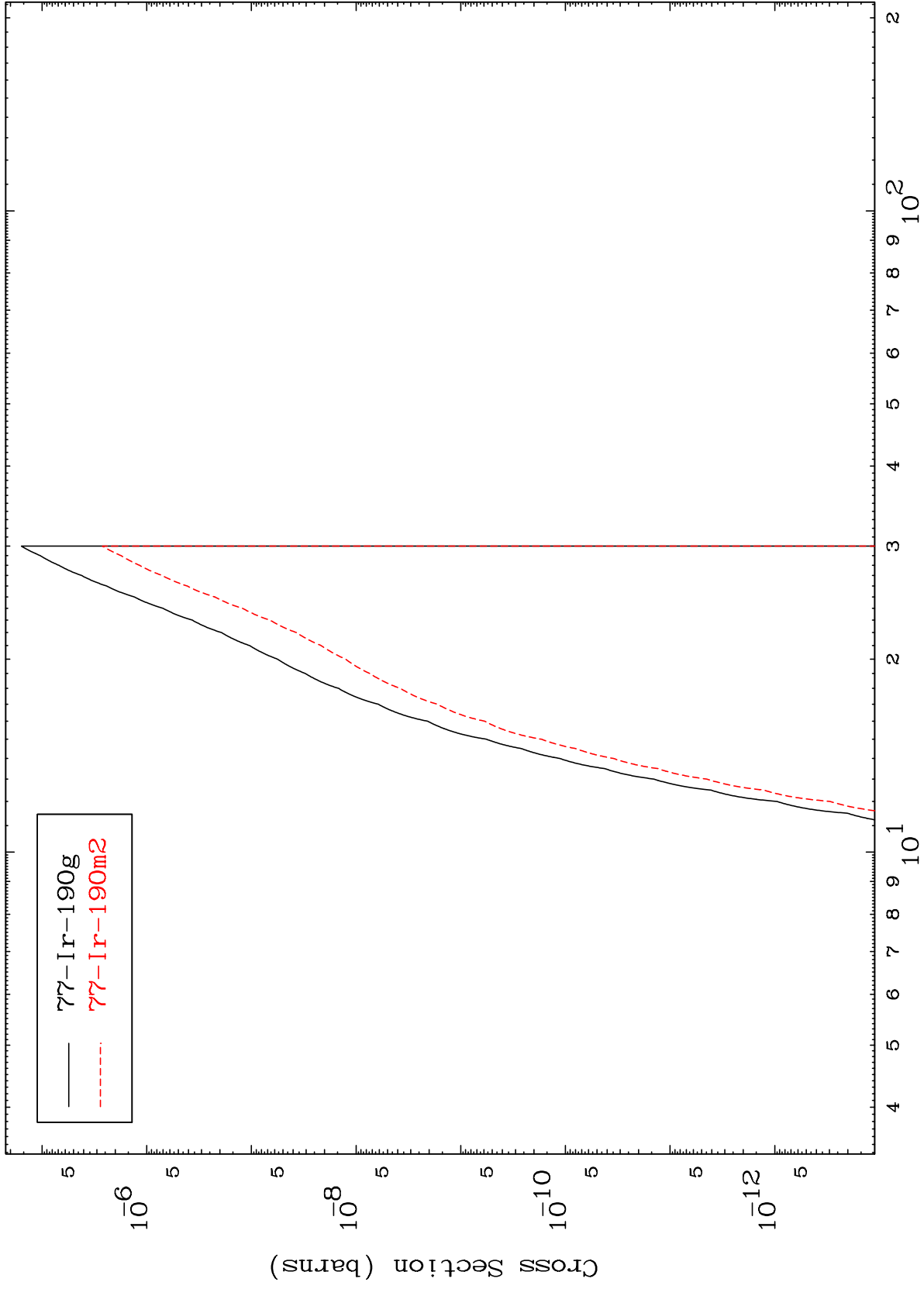
Incident Energy (MeV)

79-Au-191

MAT 7907

79-Au-191

(n,2p)  
Radionuclide Production Cross Section



79-Au-191

Incident Energy (MeV)

143