

Program EVALPLOT  
(Version 2015-2)

by

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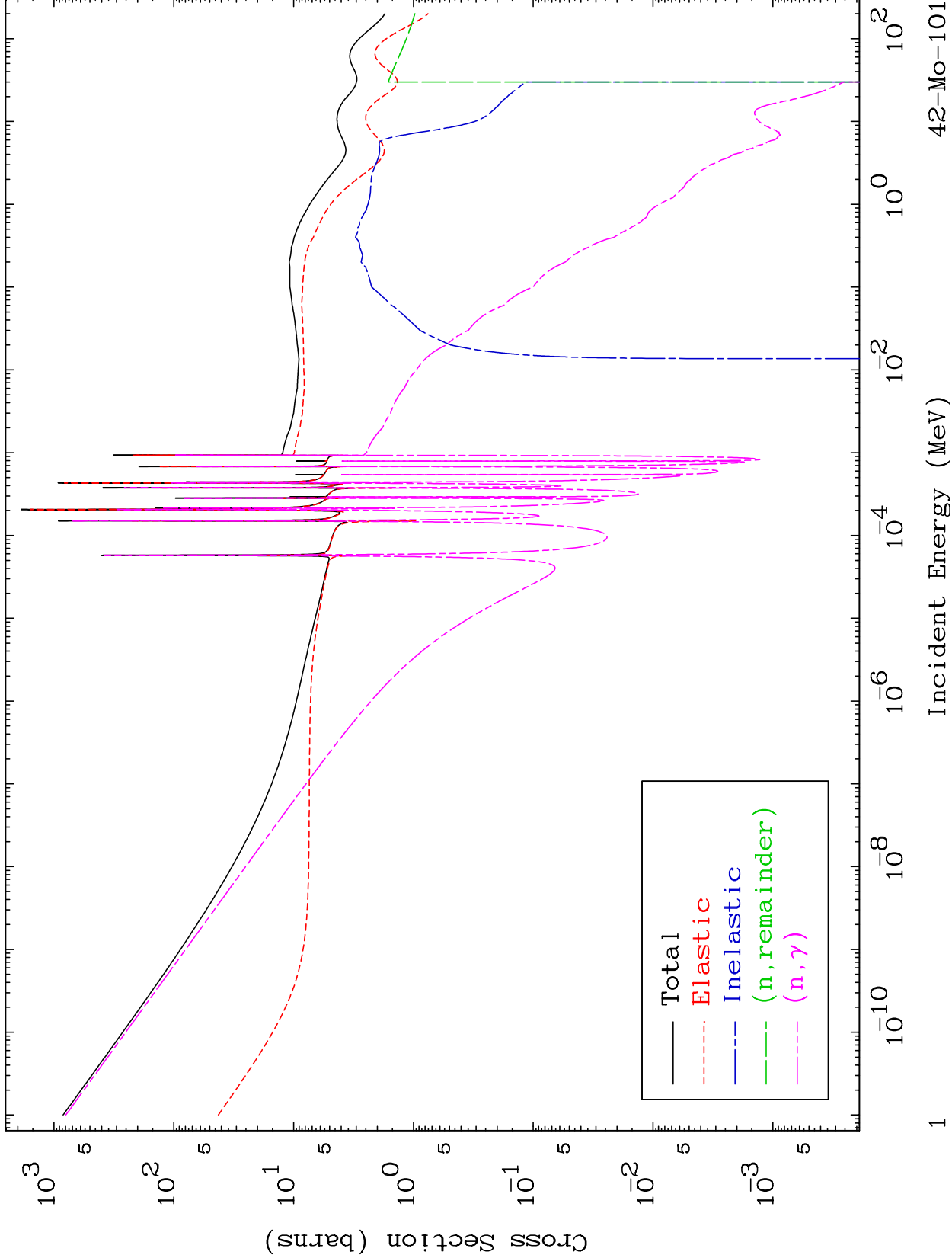
Press Mouse Button to Start

MAT 4252

Major

293 Kelvin Cross Sections

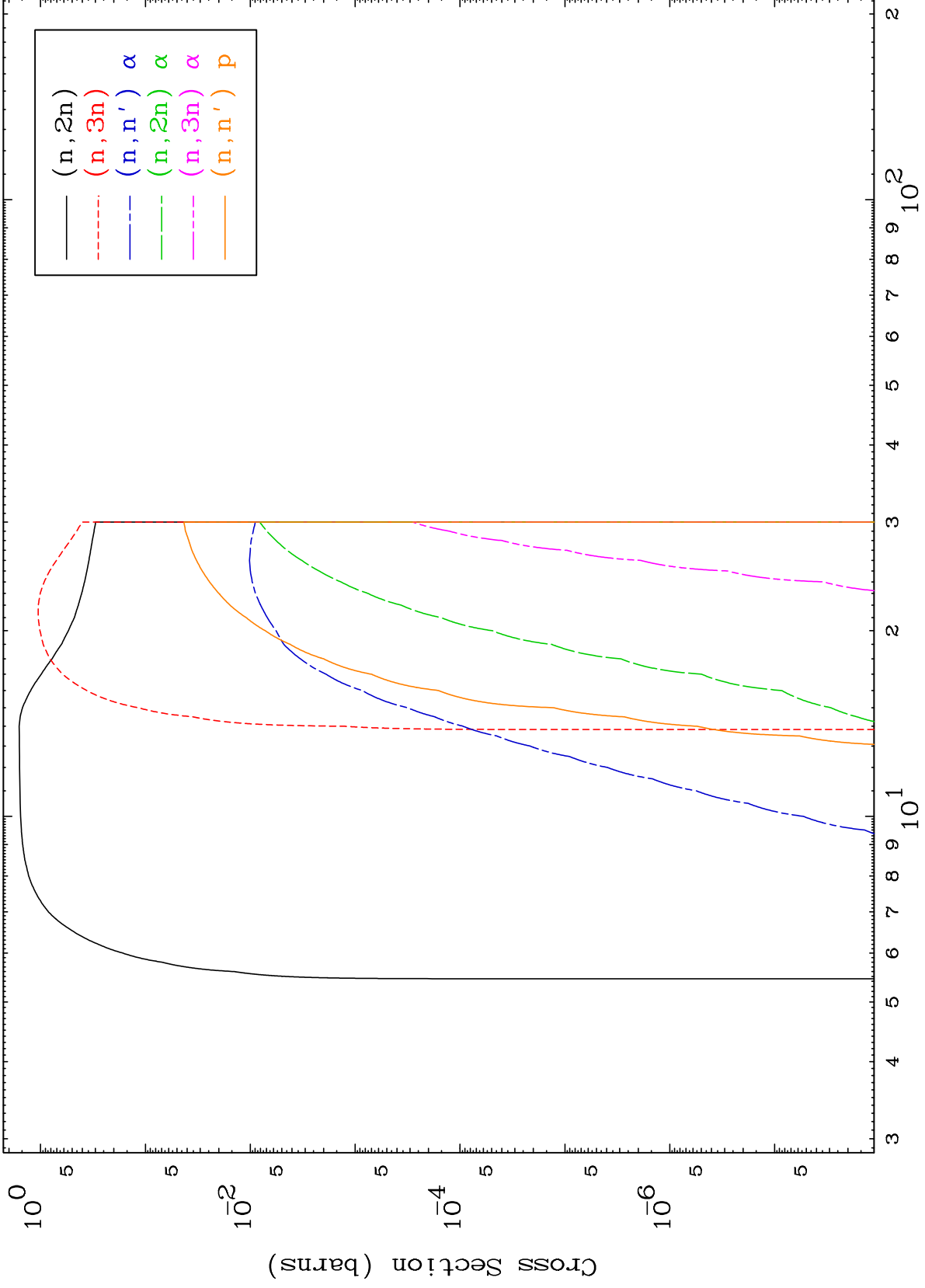
42-Mo-101



MAT 4252

Neutron Production  
293 Kelvin Cross Sections

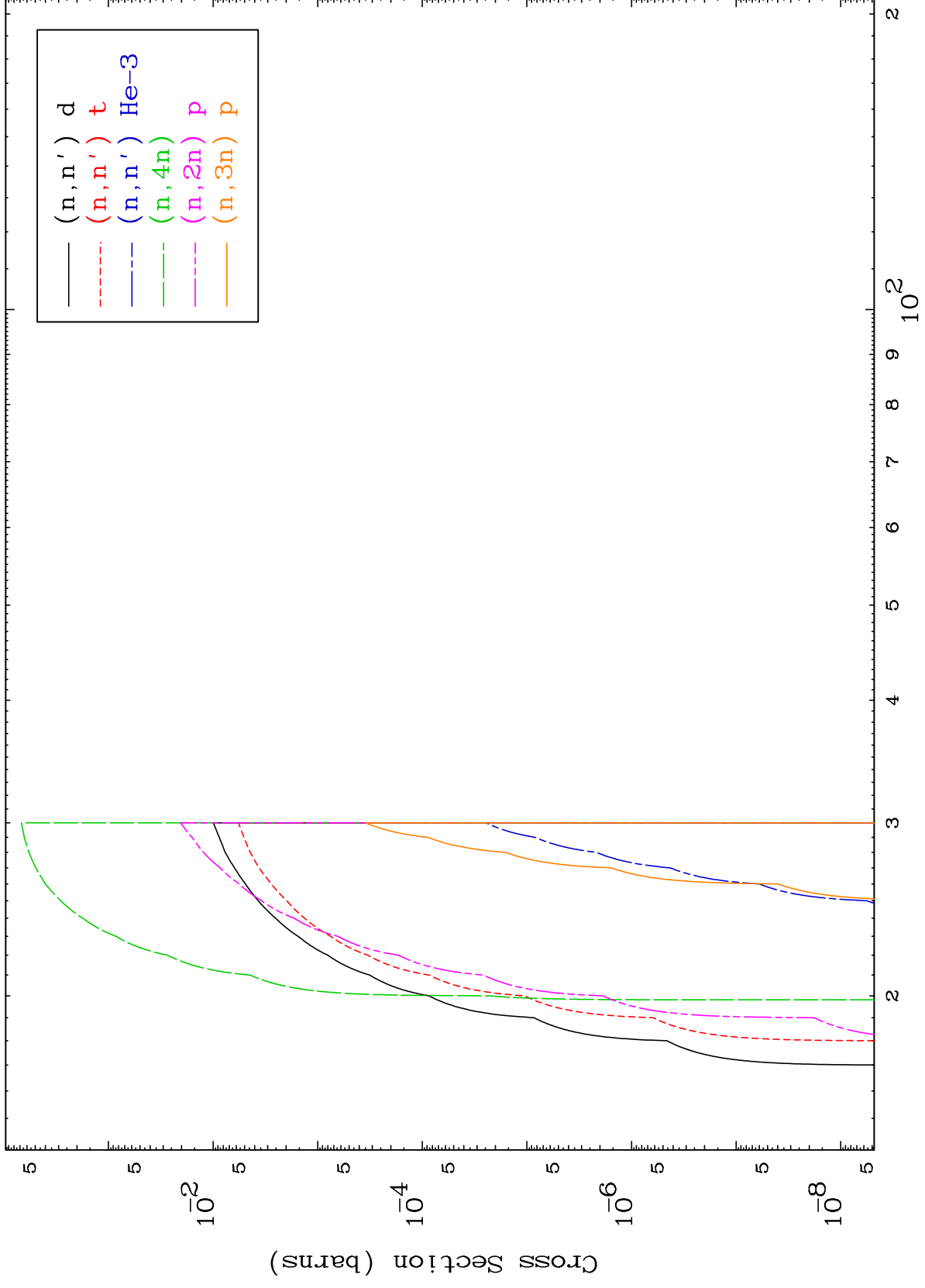
42-Mo-101

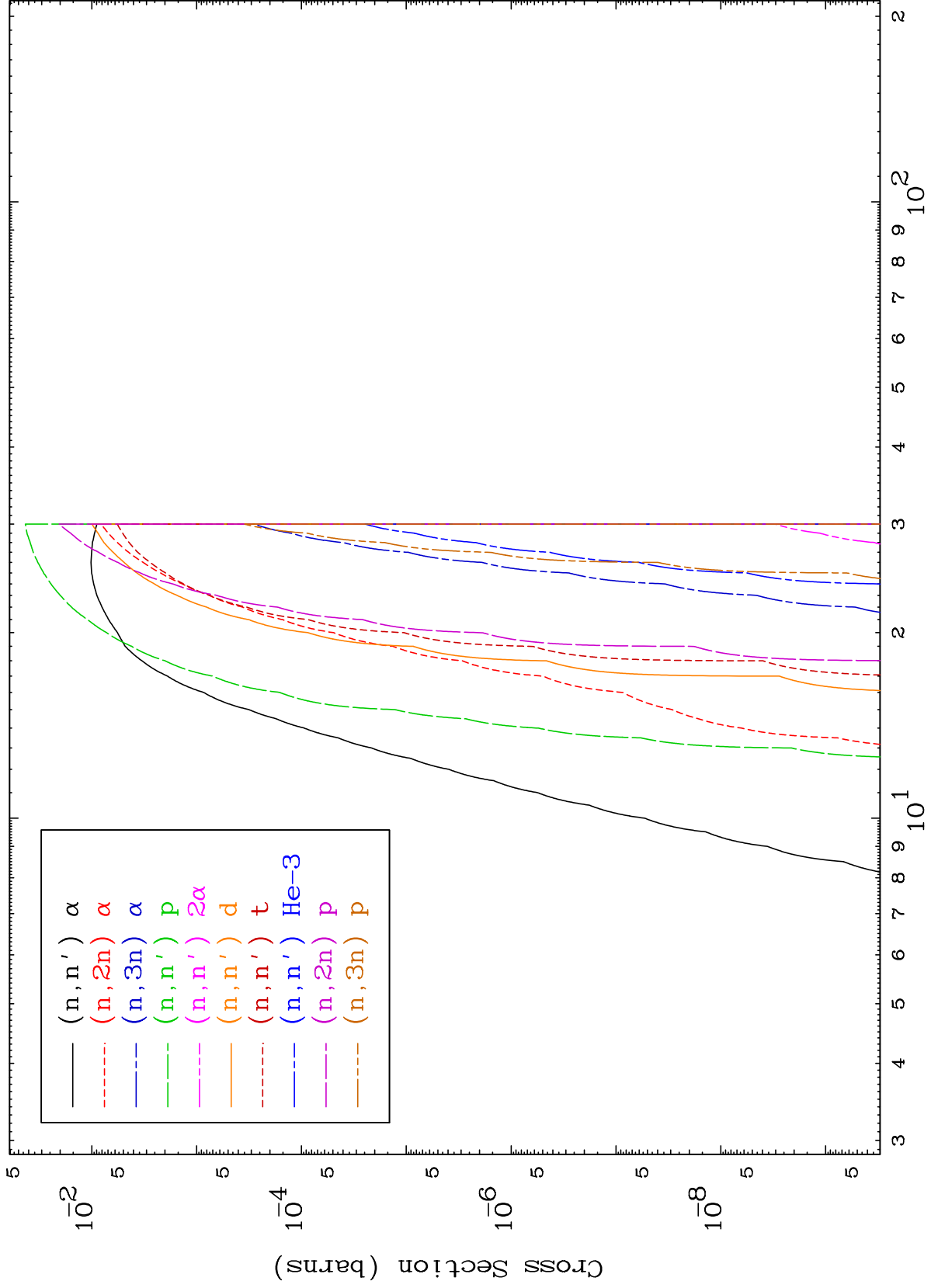


2

Incident Energy (MeV)

42-Mo-101

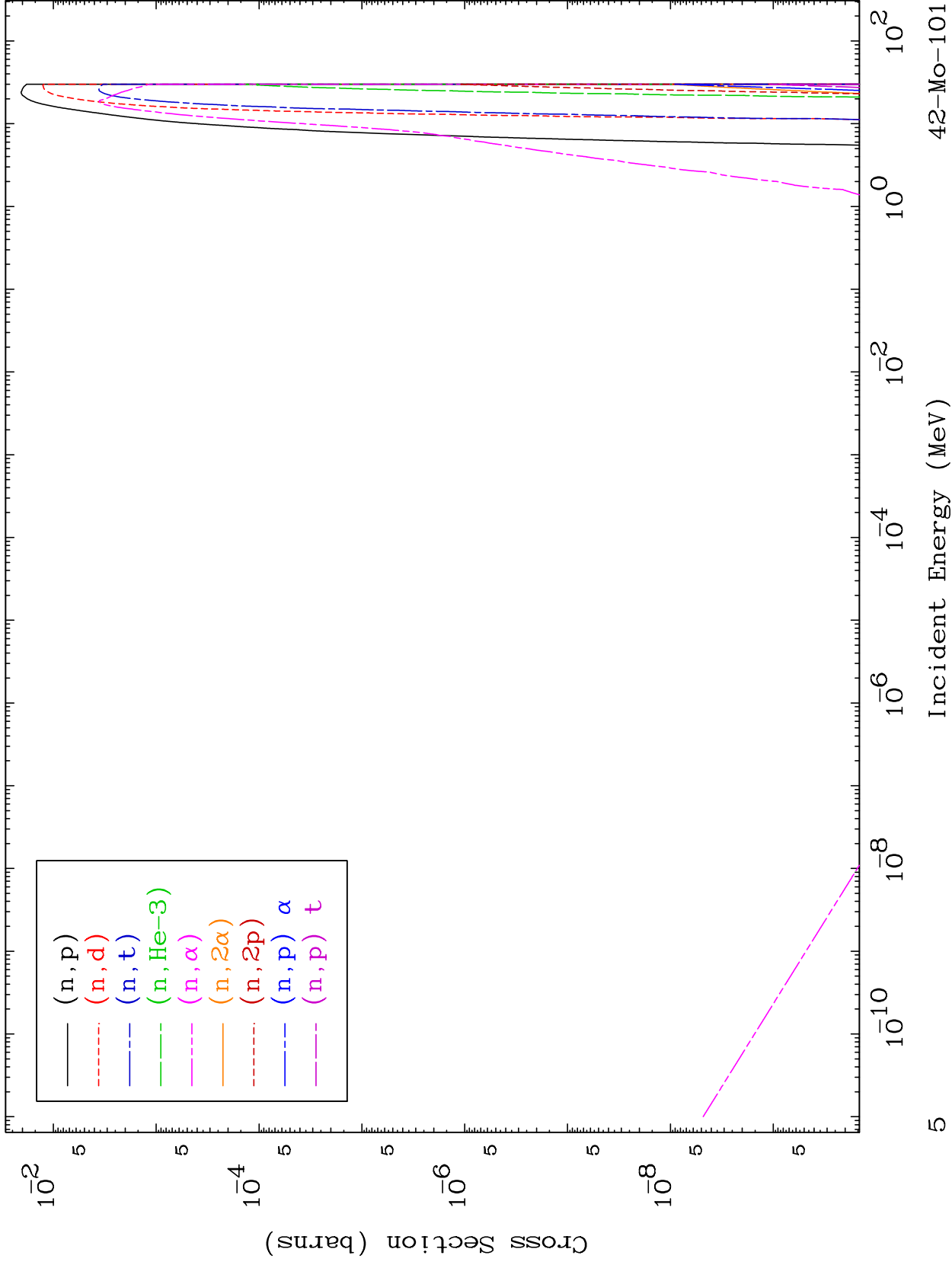




MAT 4252

Charged Particle  
293 Kelvin Cross Sections

42-Mo-101



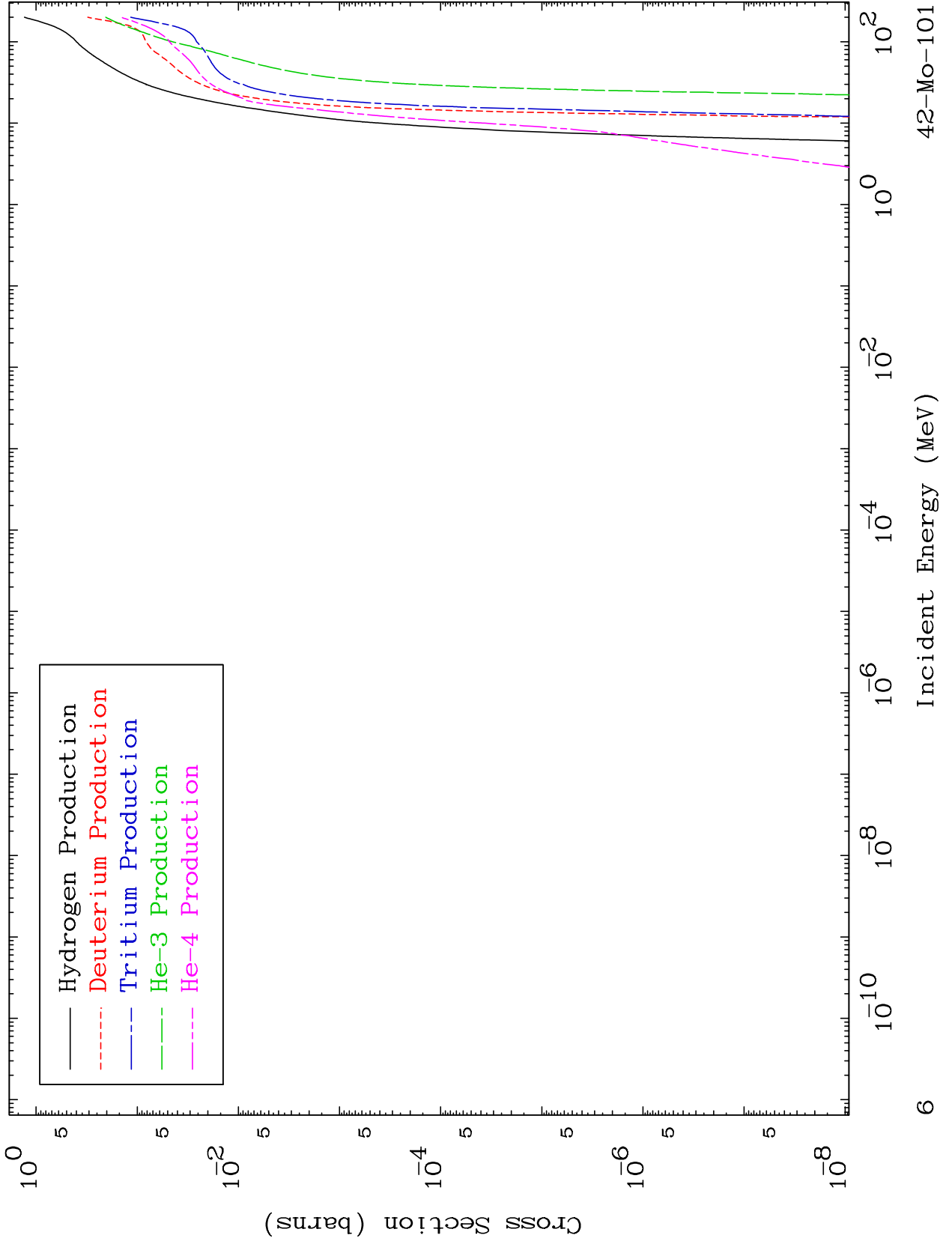
5

42-Mo-101

MAT 4252

Particle Production  
293 Kelvin Cross Sections

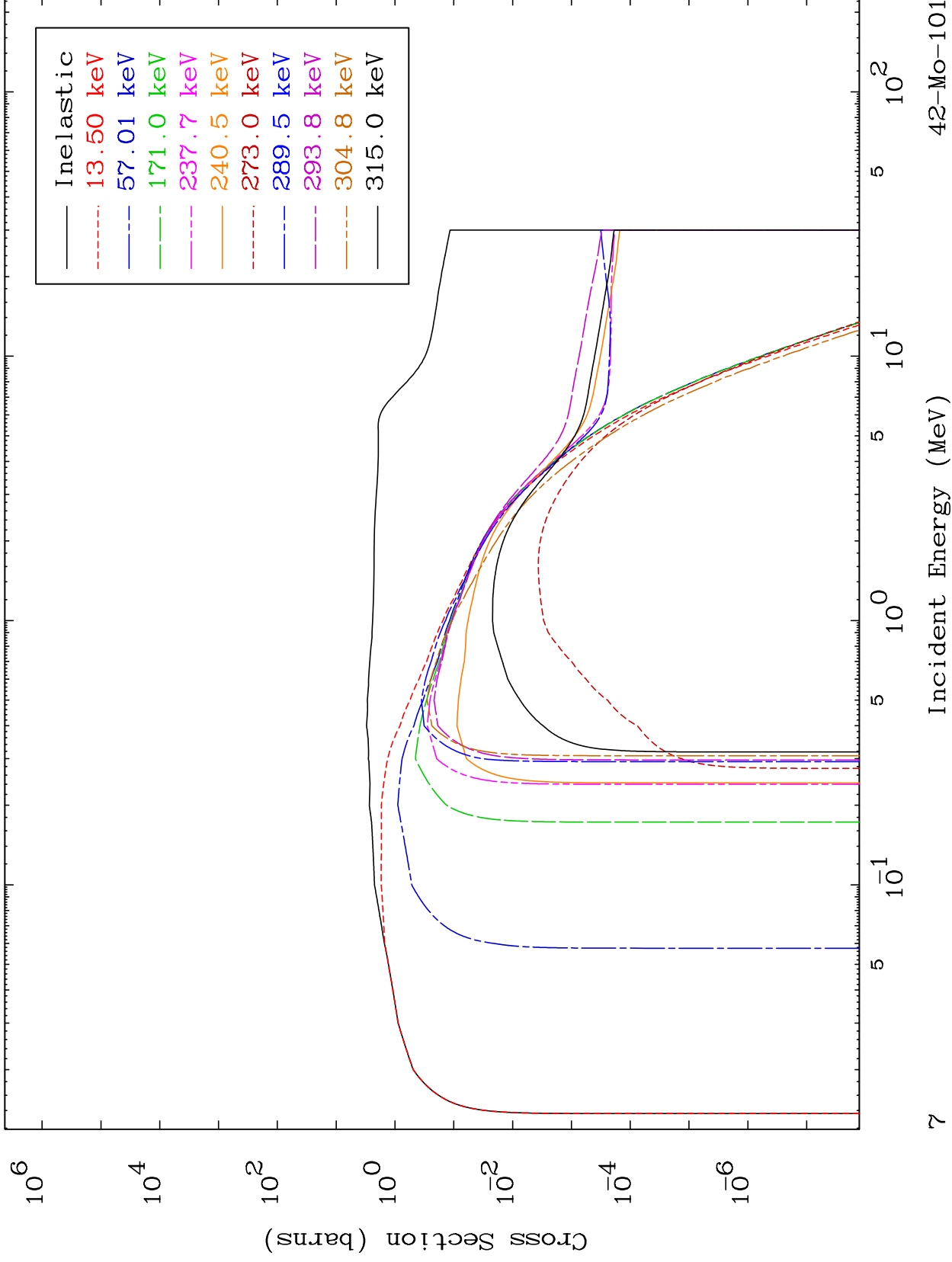
42-Mo-101



MAT 4252

(n,n') Level  
293 Kelvin Cross Sections

42-Mo-101

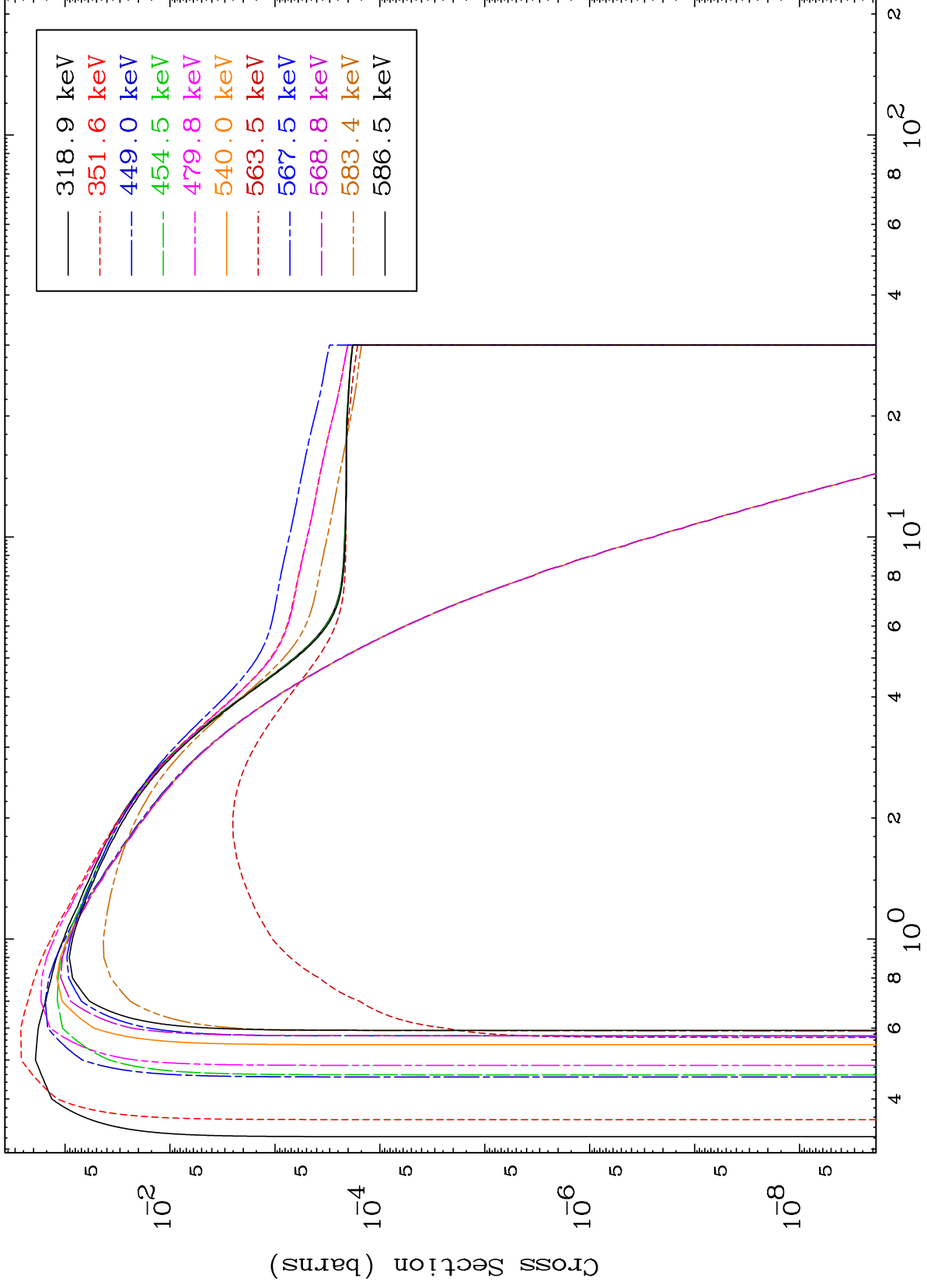




MAT 4252

(n,n') Level  
293 Kelvin Cross Sections

42-Mo-101



8

Incident Energy (MeV)

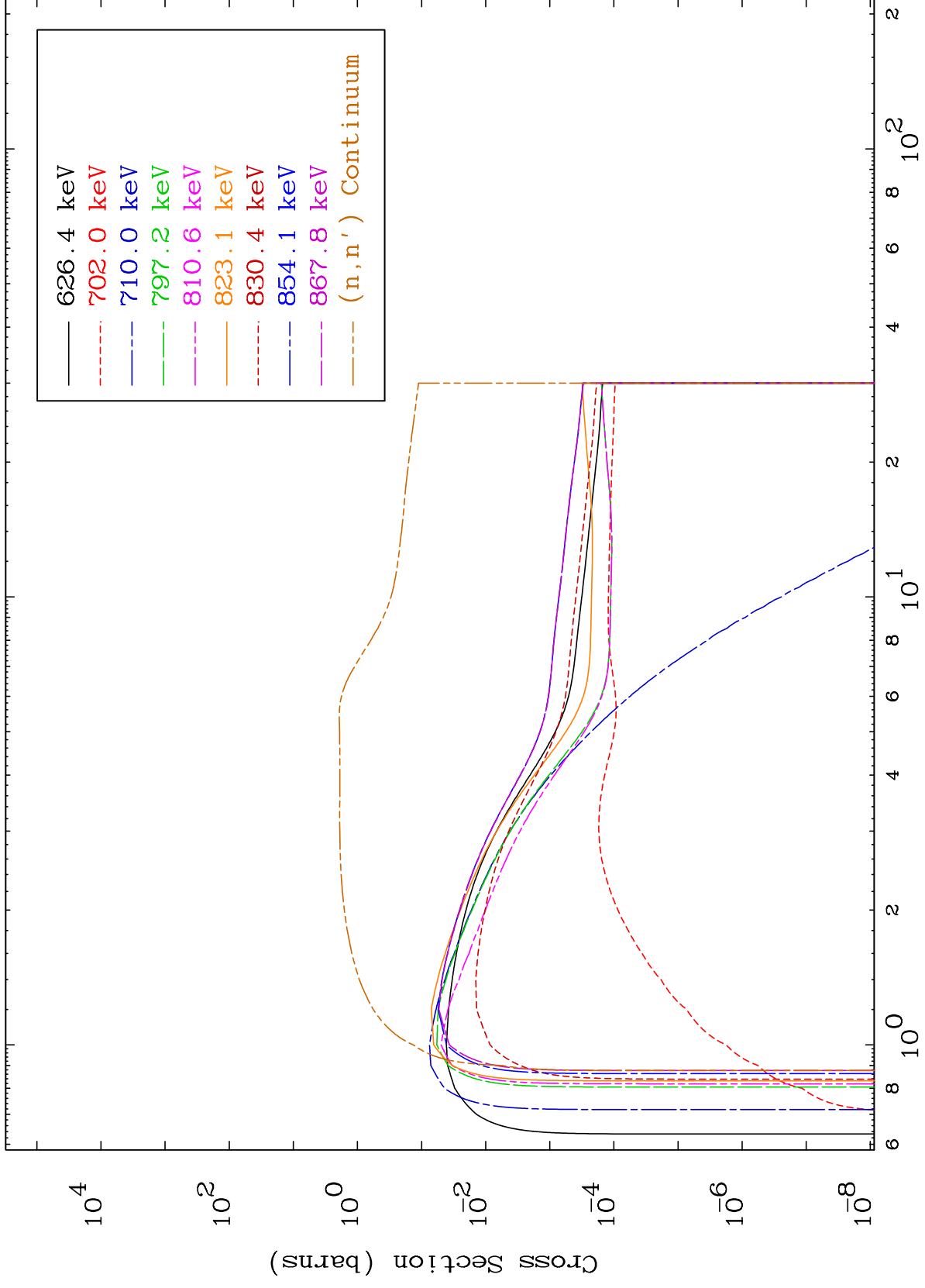
42-Mo-101

MAT 4252

(n,n') Level

42-Mo-101

293 Kelvin Cross Sections



9

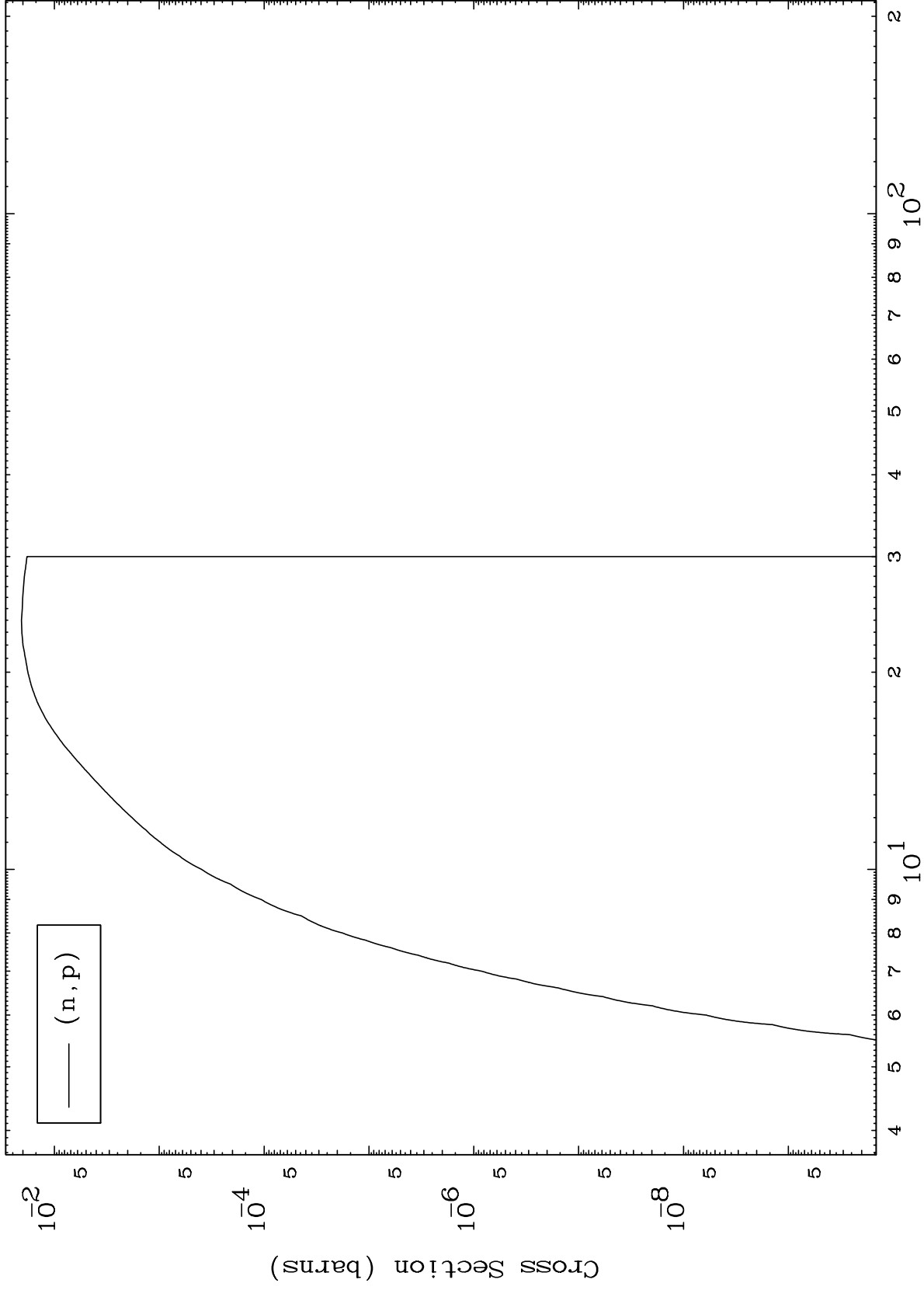
Incident Energy (MeV)

42-Mo-101

MAT 4252

(n,p) Levels  
293 Kelvin Cross Sections

42-Mo-101



10

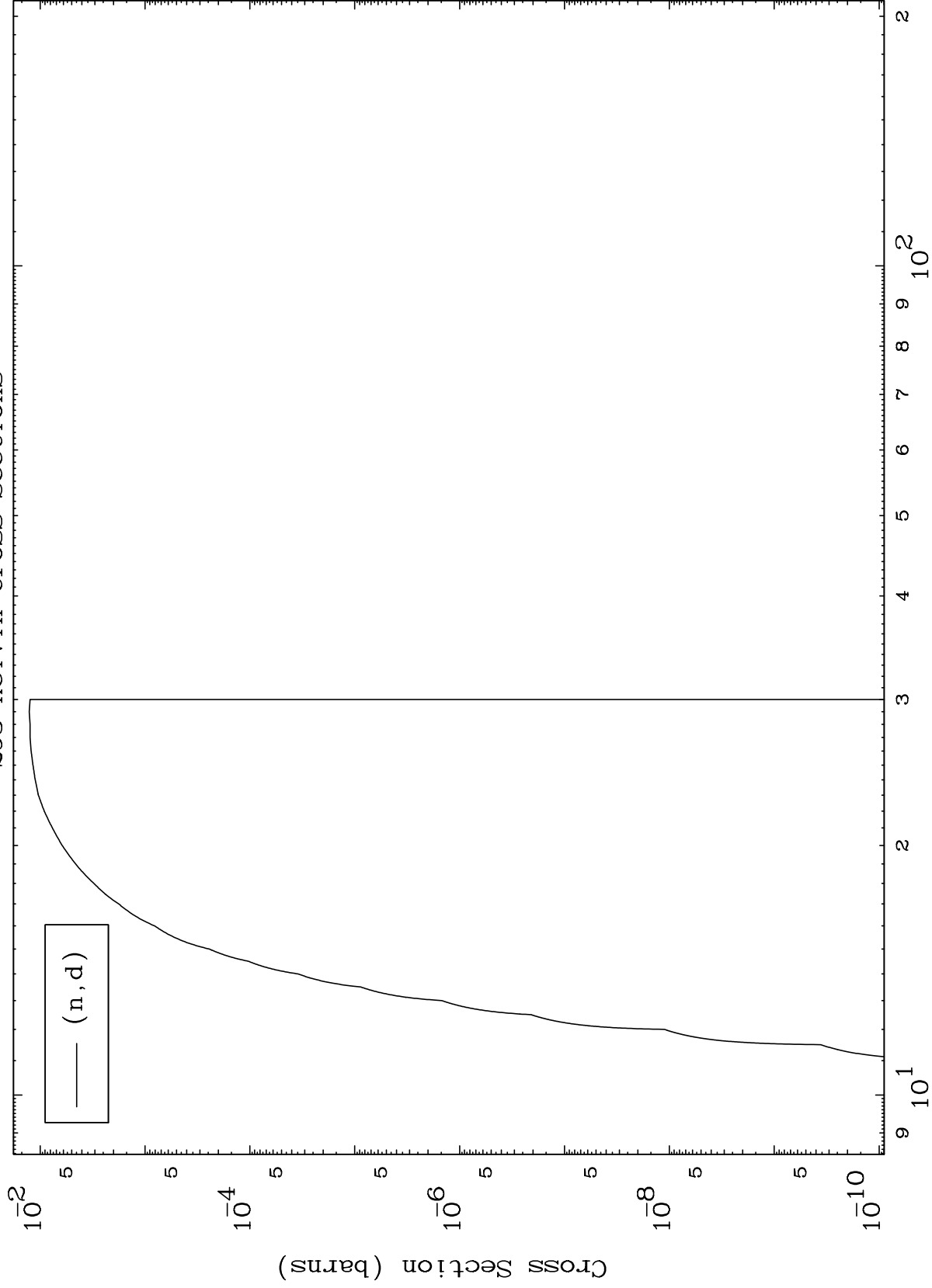
Incident Energy (MeV)

42-Mo-101

MAT 4252

42-Mo-101

(n,d) Levels  
293 Kelvin Cross Sections



42-Mo-101

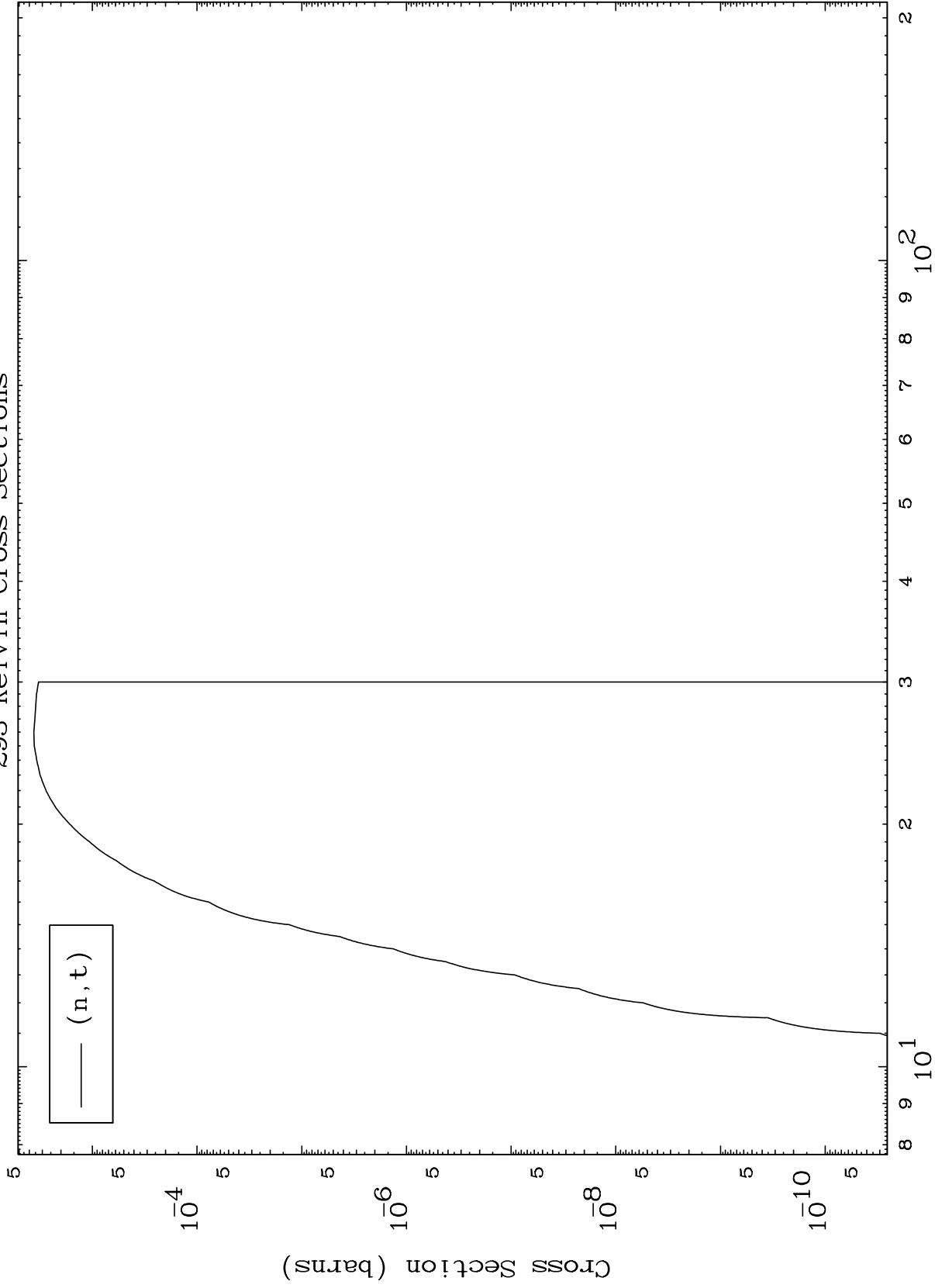
Incident Energy (MeV)

11

MAT 4252

(n,t) Levels  
293 Kelvin Cross Sections

42-Mo-101



(n,t)

Incident Energy (MeV)

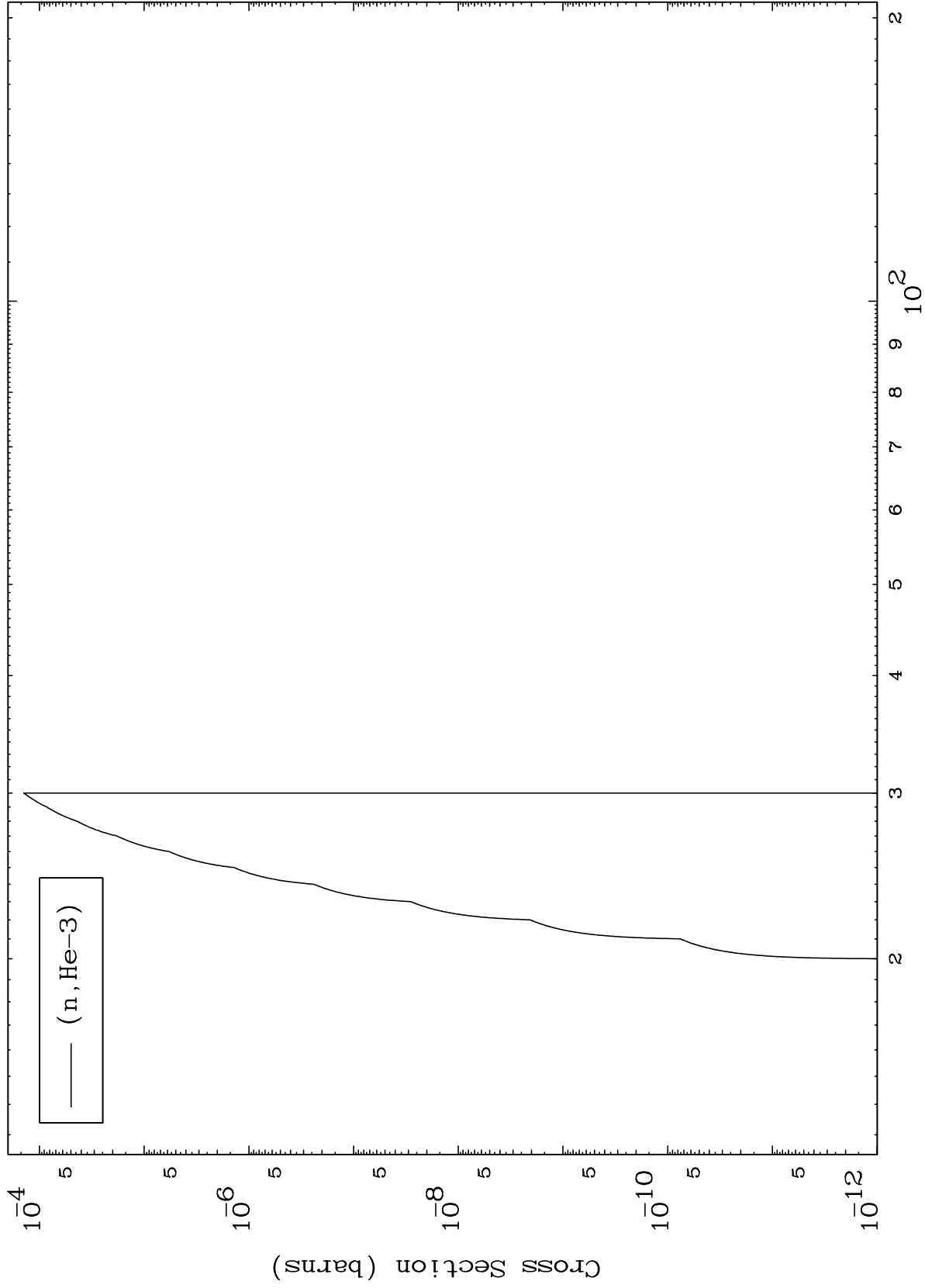
42-Mo-101

12

MAT 4252

(n,He3) Levels  
293 Kelvin Cross Sections

42-Mo-101



13

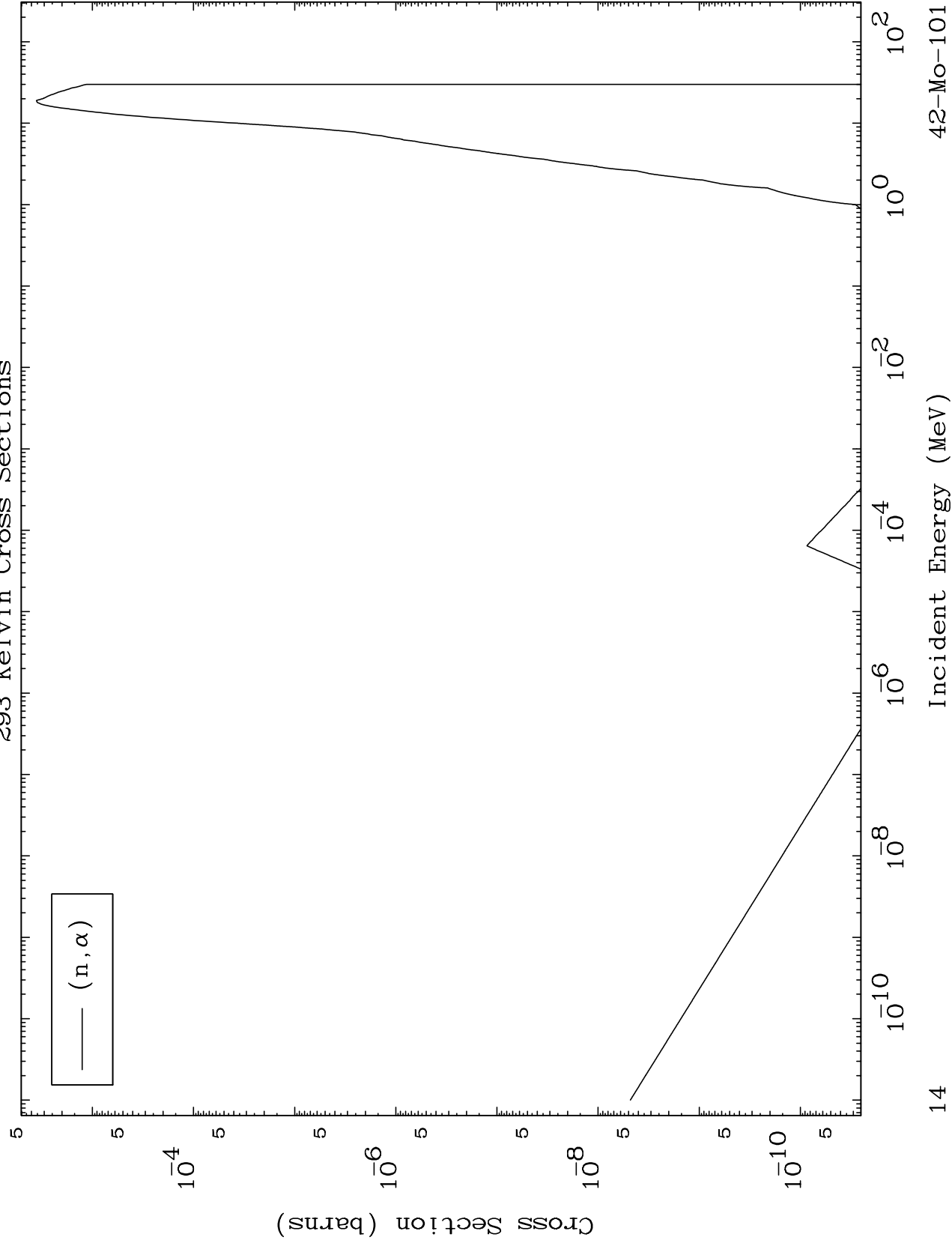
Incident Energy (MeV)

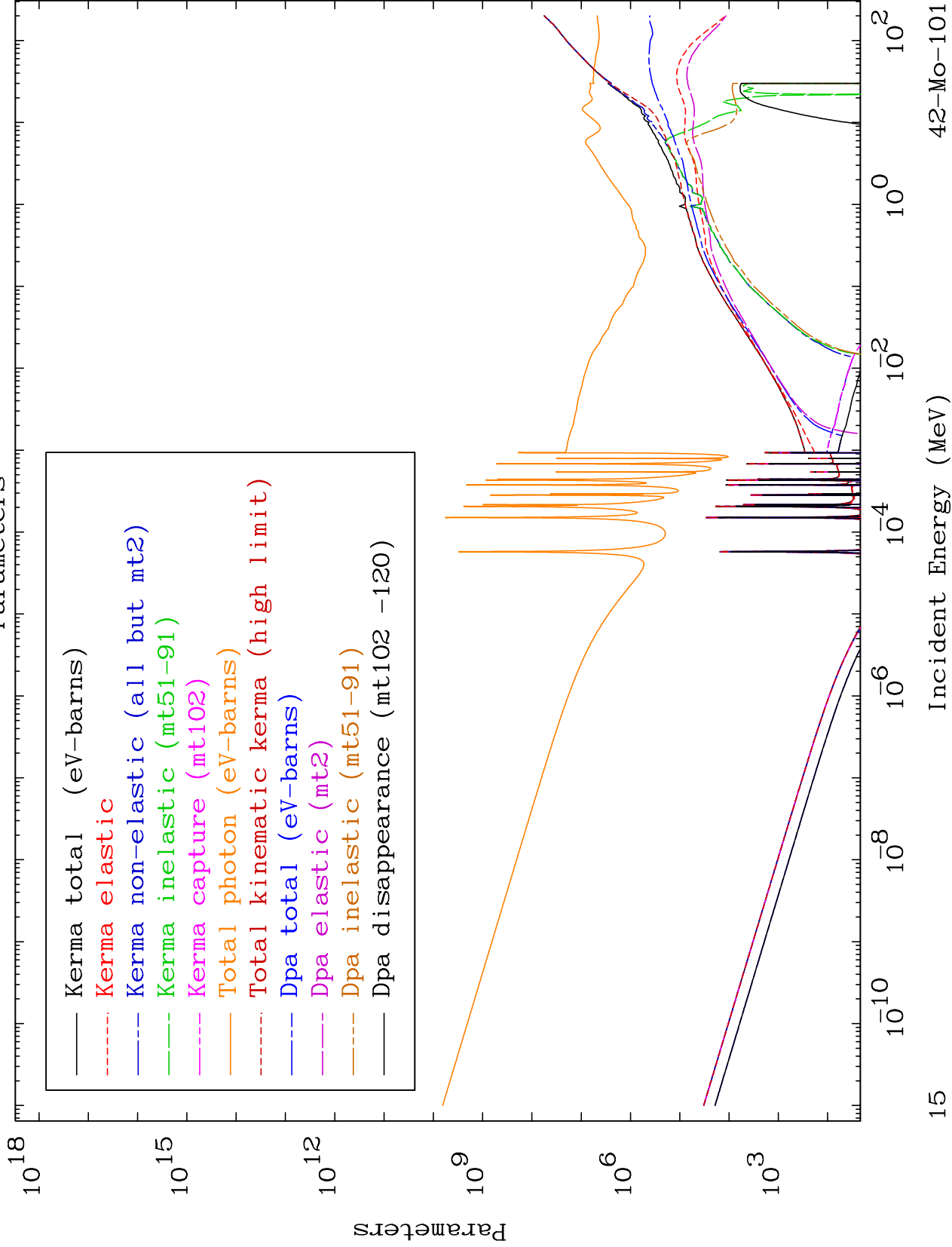
42-Mo-101

MAT 4252

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

42-Mo-101



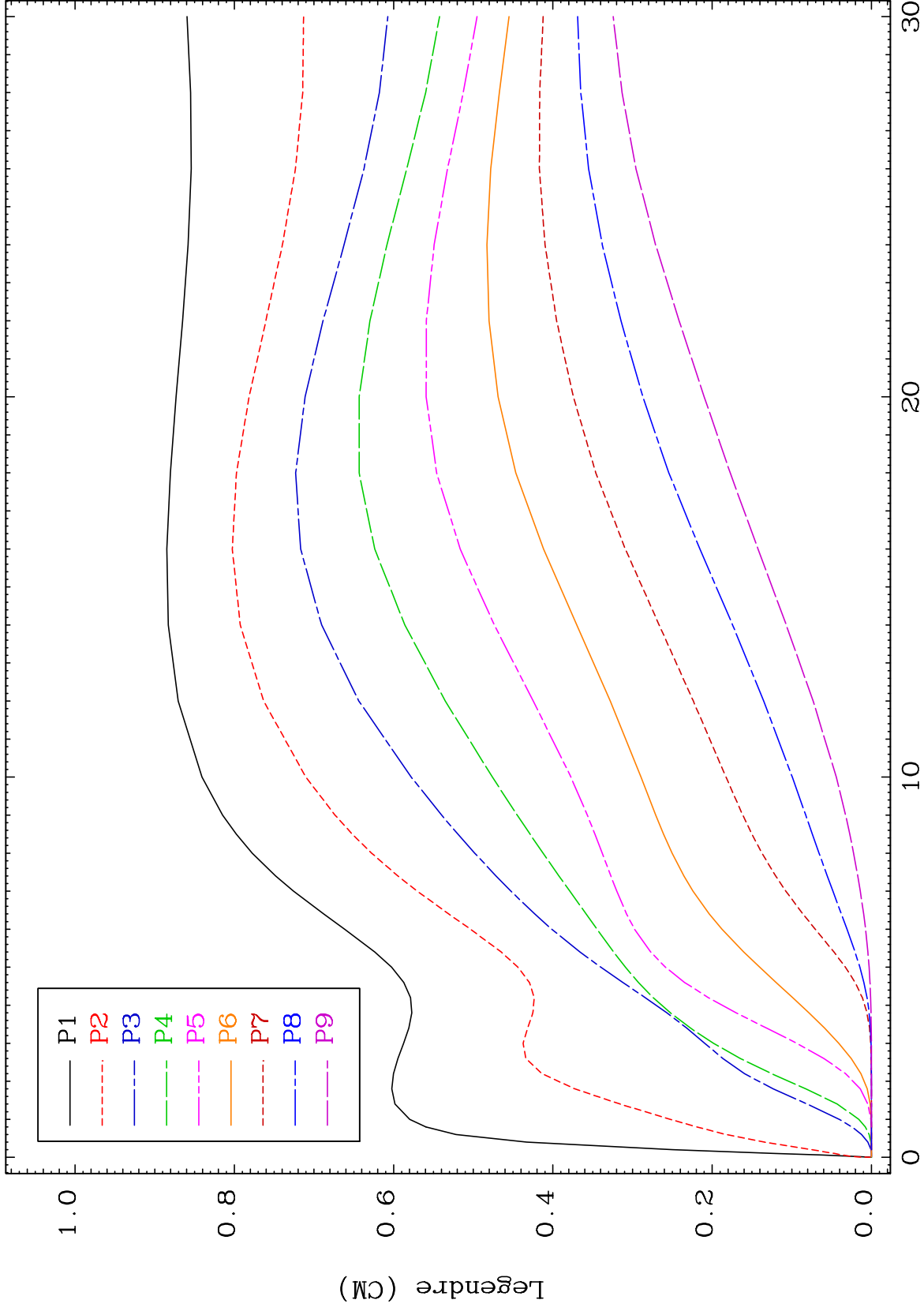




MAT 4252

Elastic Legendre Coefficients

42-Mo-101



16

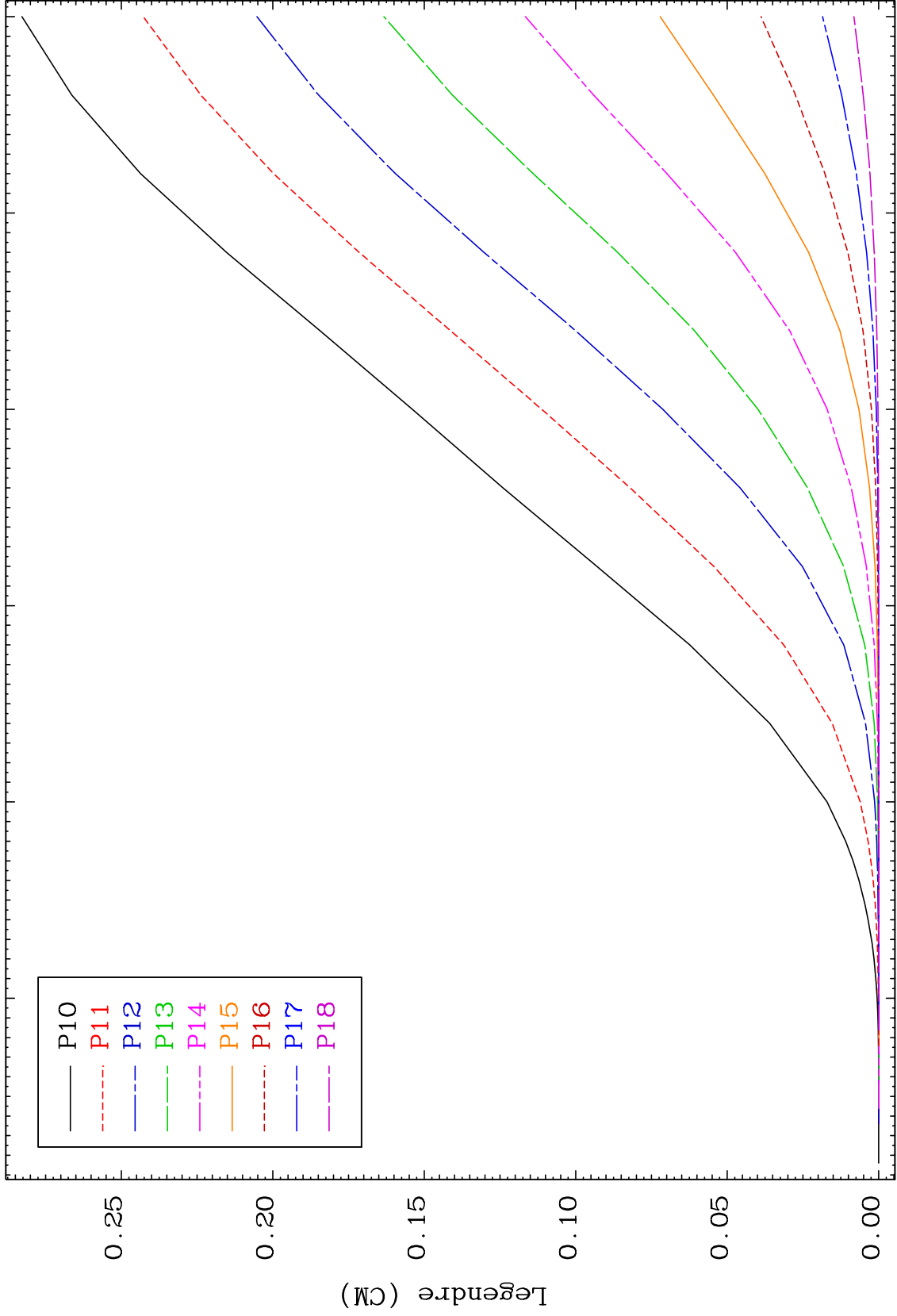
Incident Energy (MeV)

42-Mo-101

MAT 4252

Elastic Legendre Coefficients

42-Mo-101



17

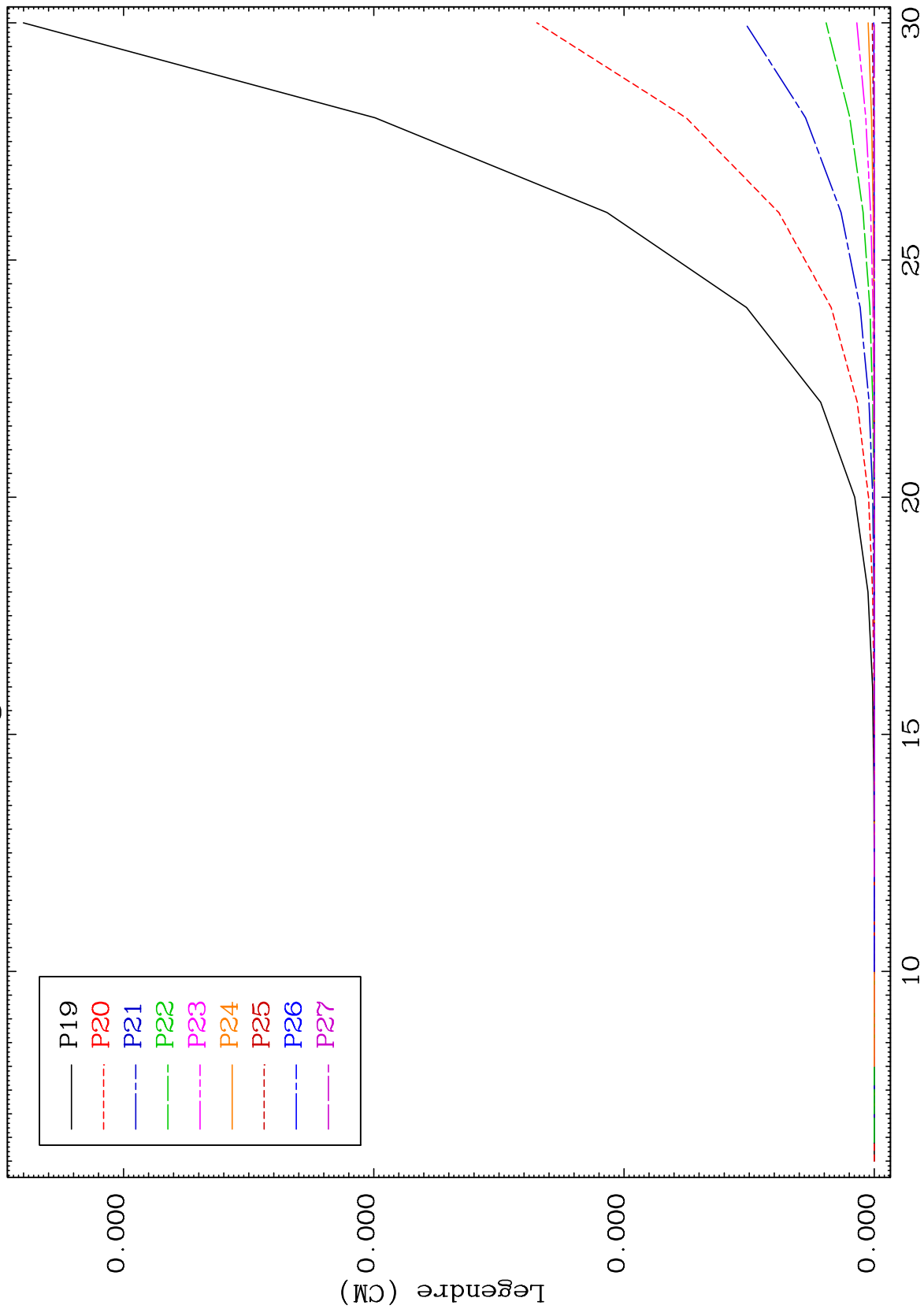
Incident Energy (MeV)

42-Mo-101

MAT 4252

Elastic  
Legendre Coefficients

42-Mo-101



18

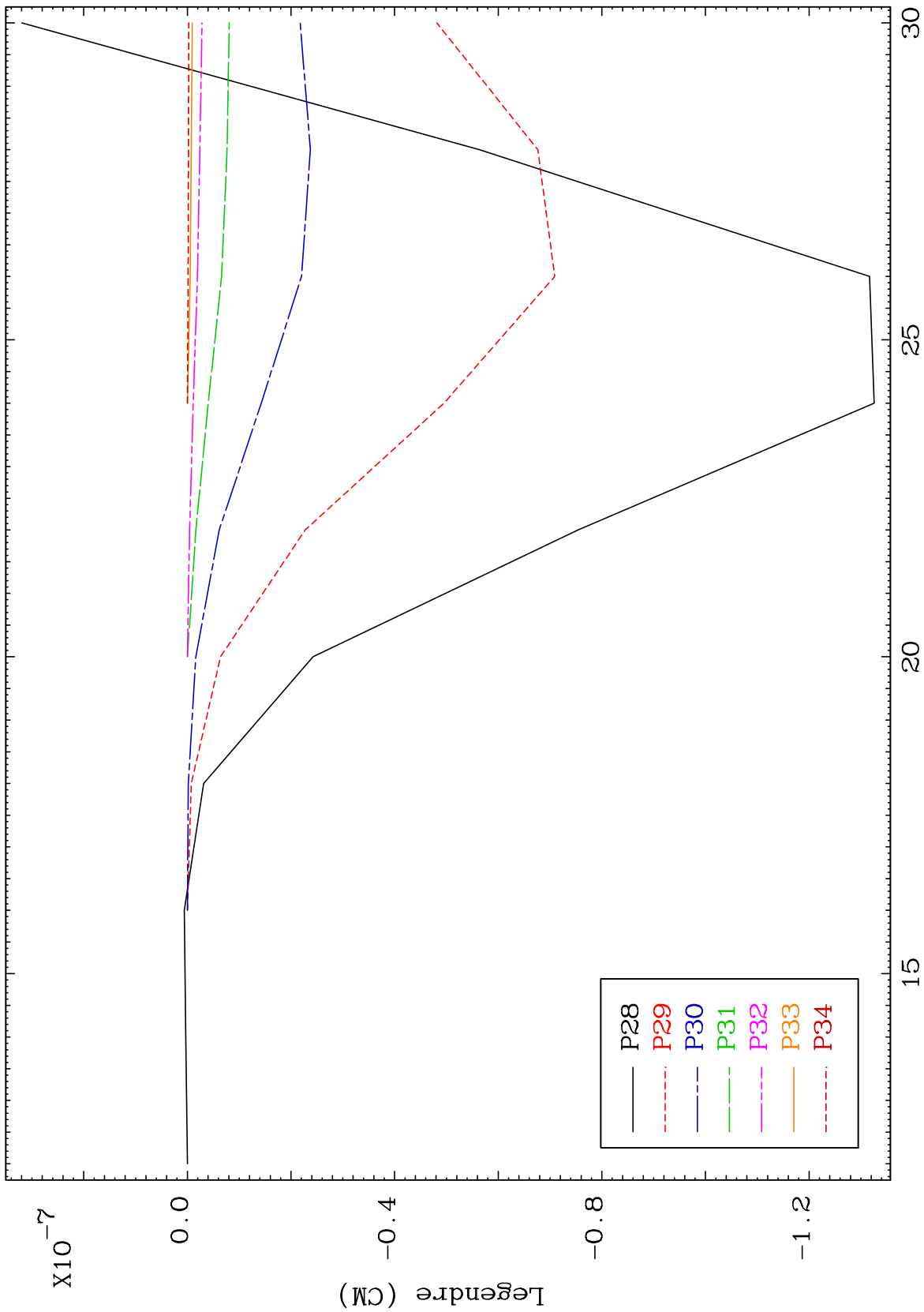
Incident Energy (MeV)

42-Mo-101

MAT 4252

42-Mo-101

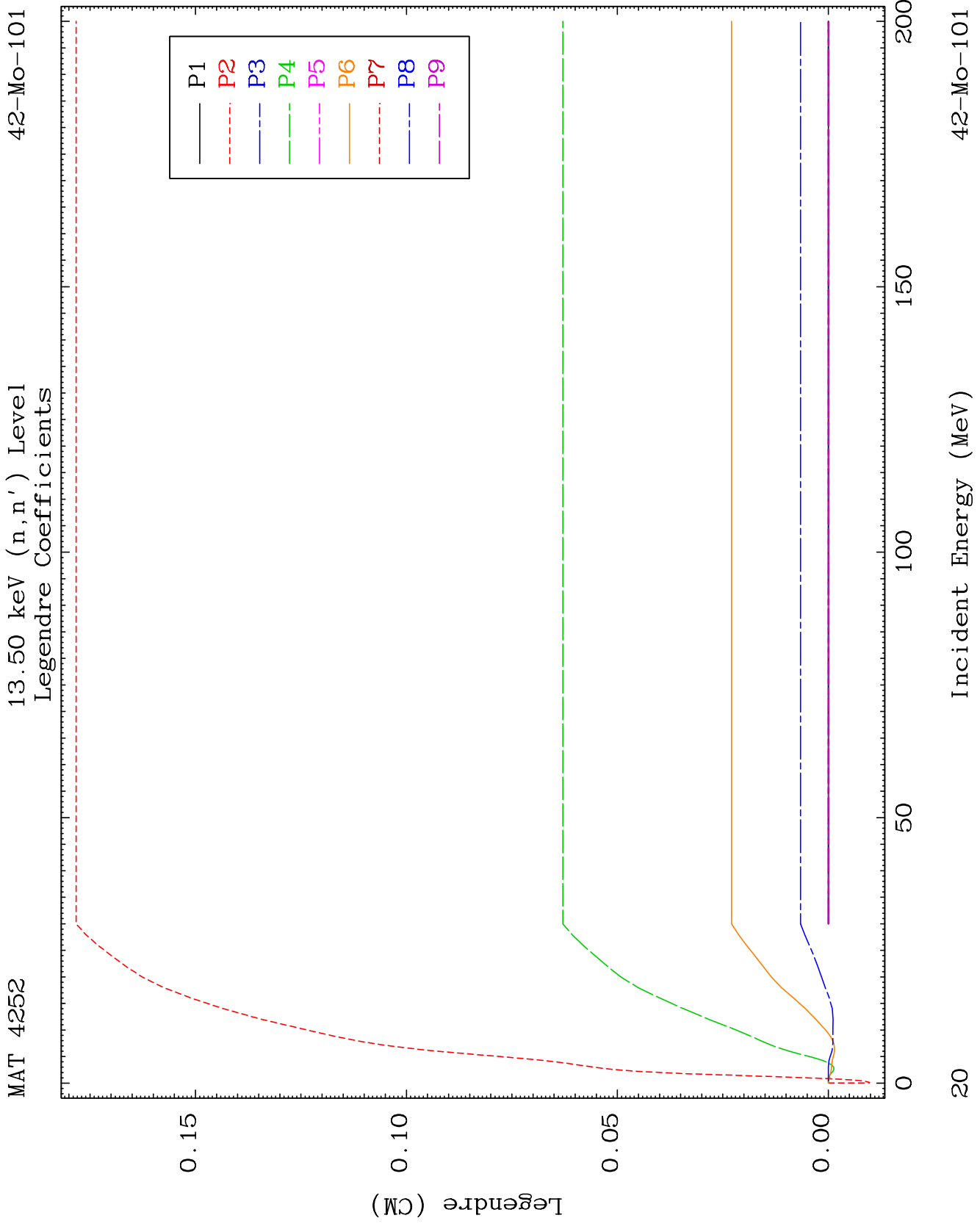
Elastic Legendre Coefficients

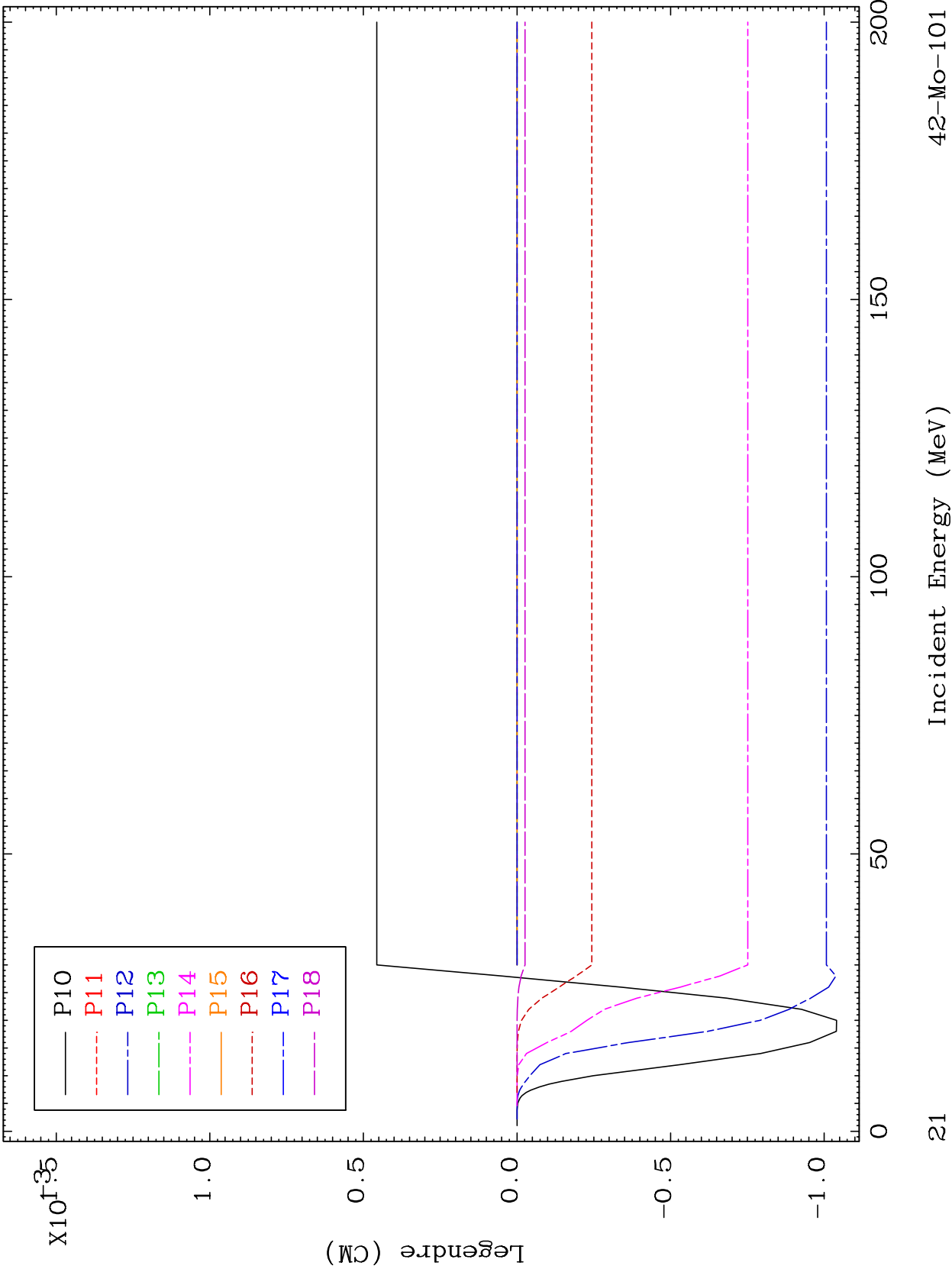


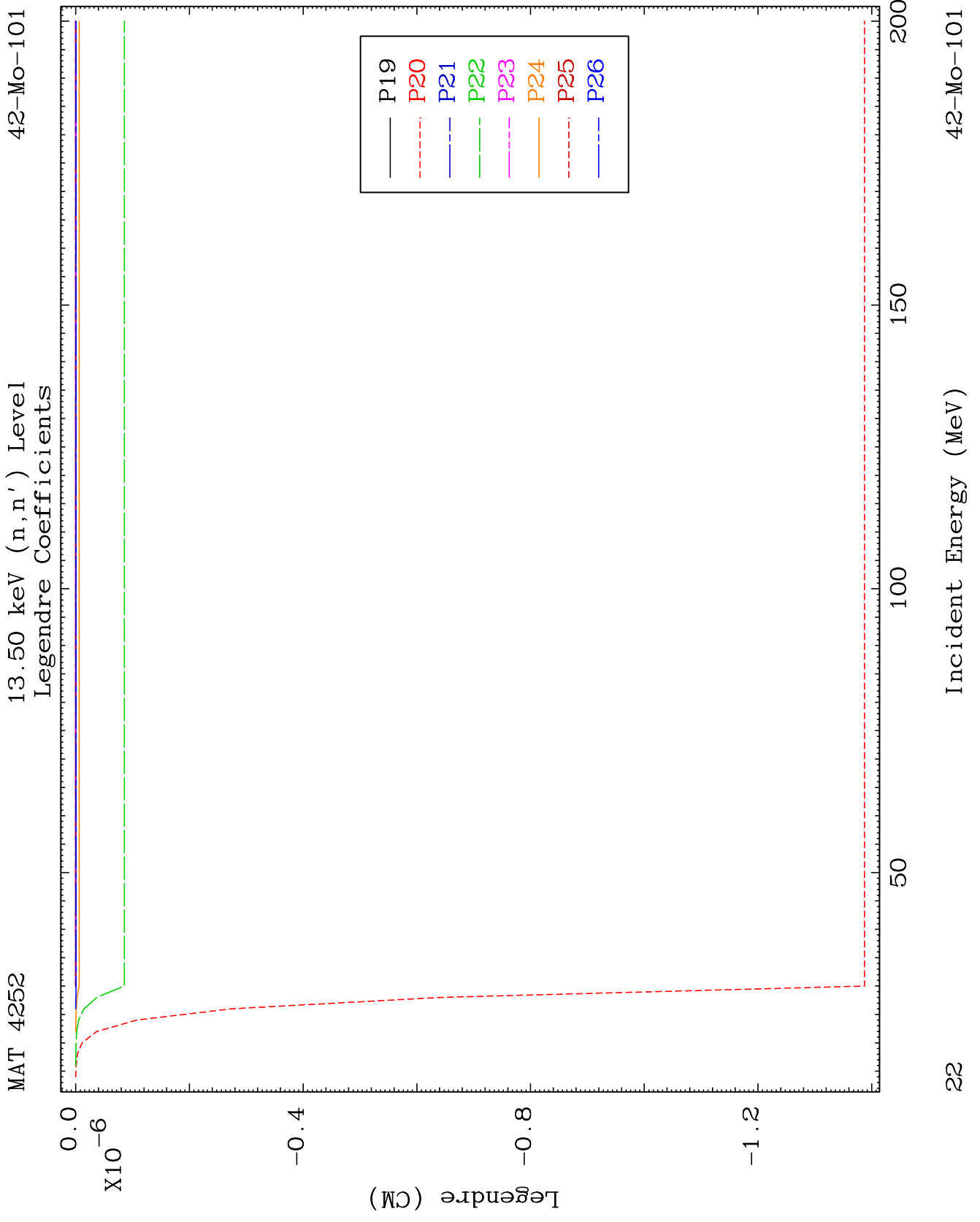
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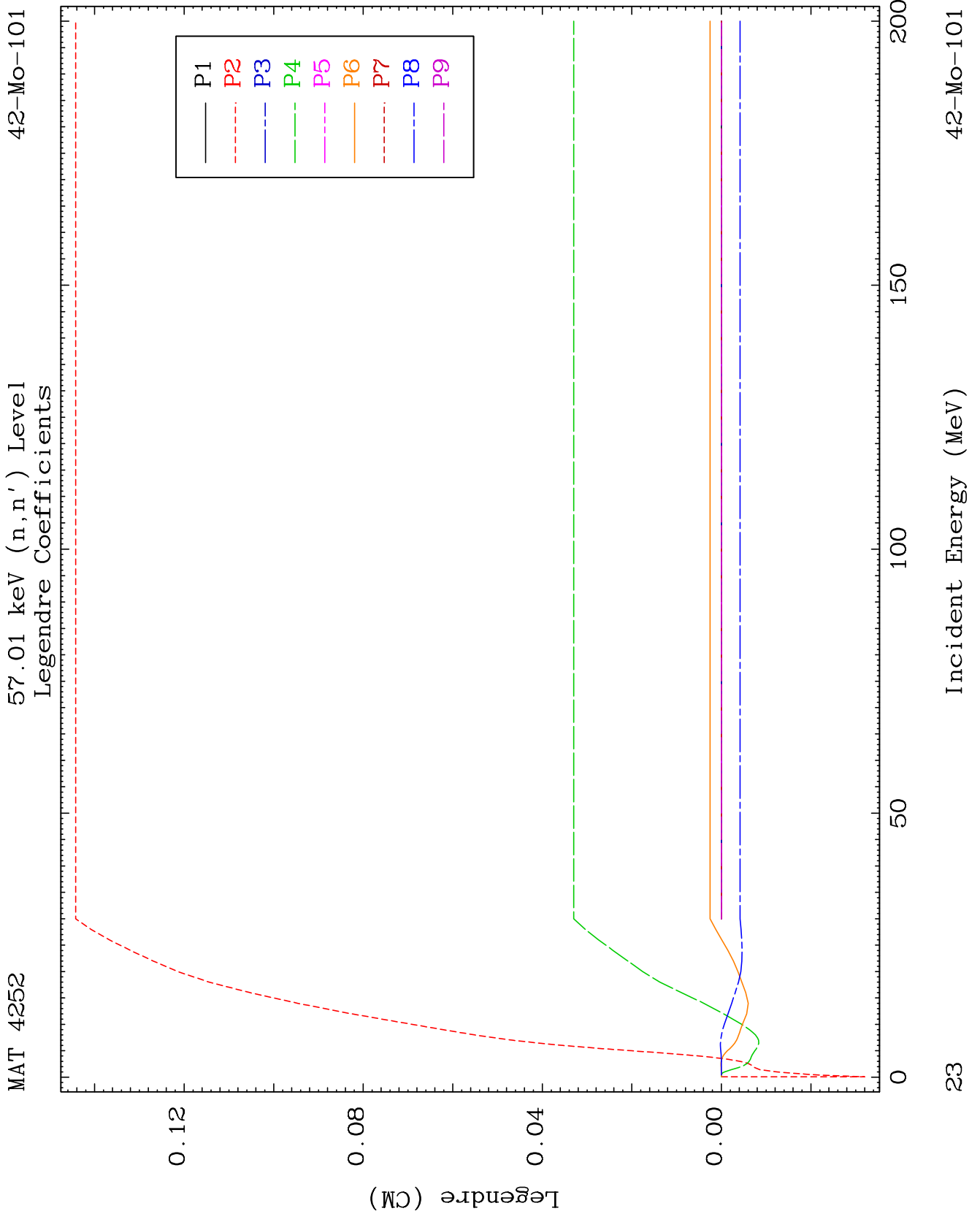
42-Mo-101

Incident Energy (MeV)

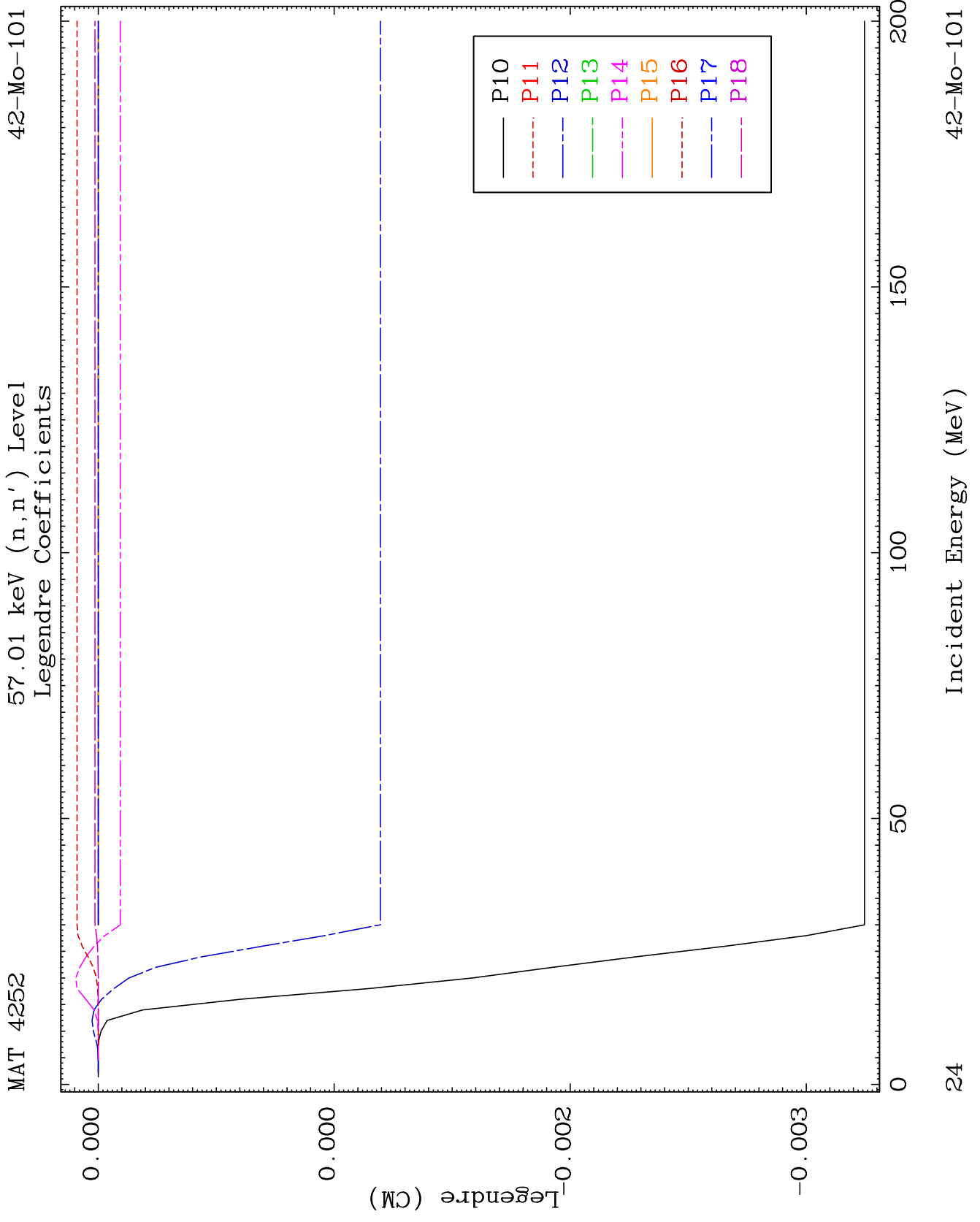


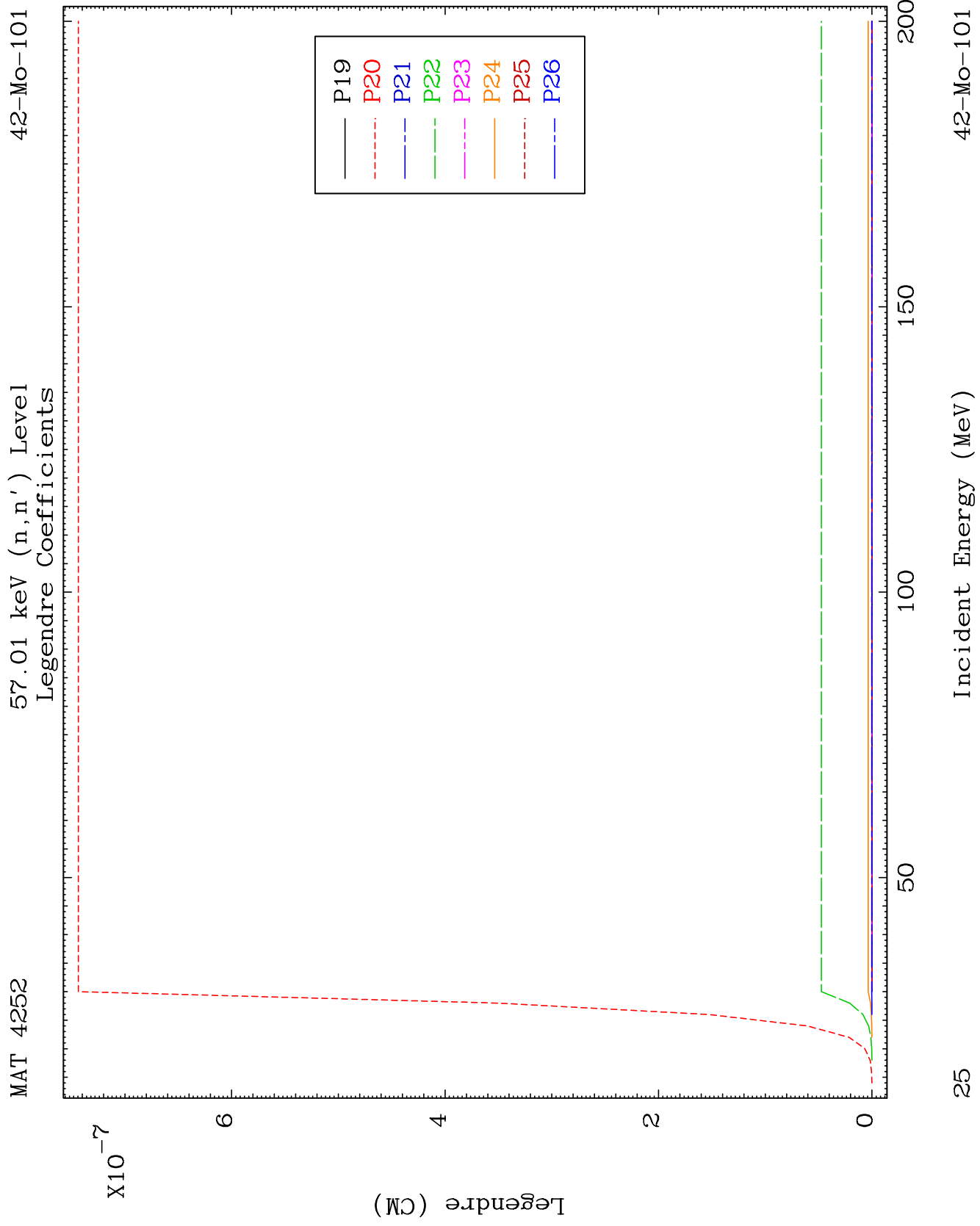


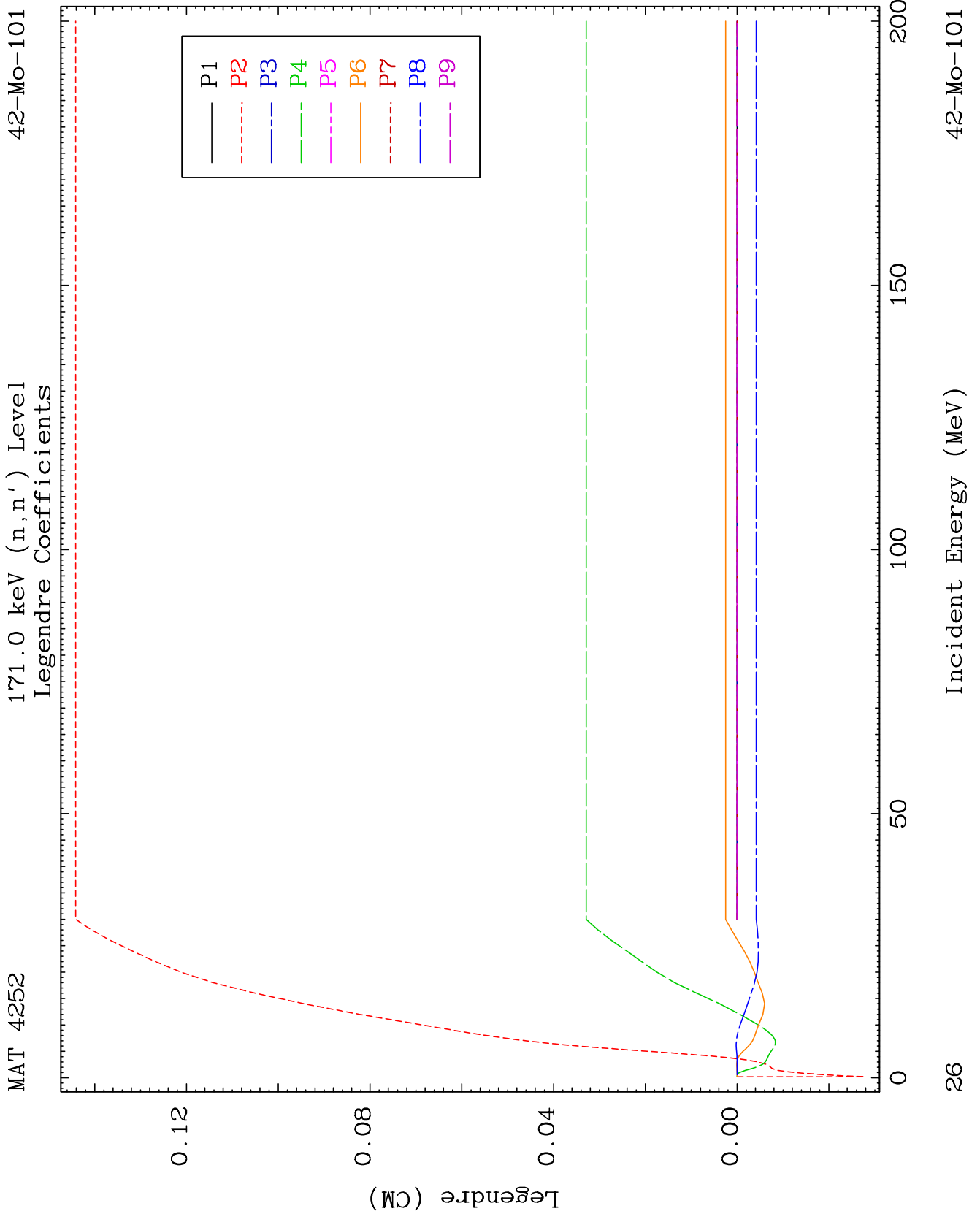




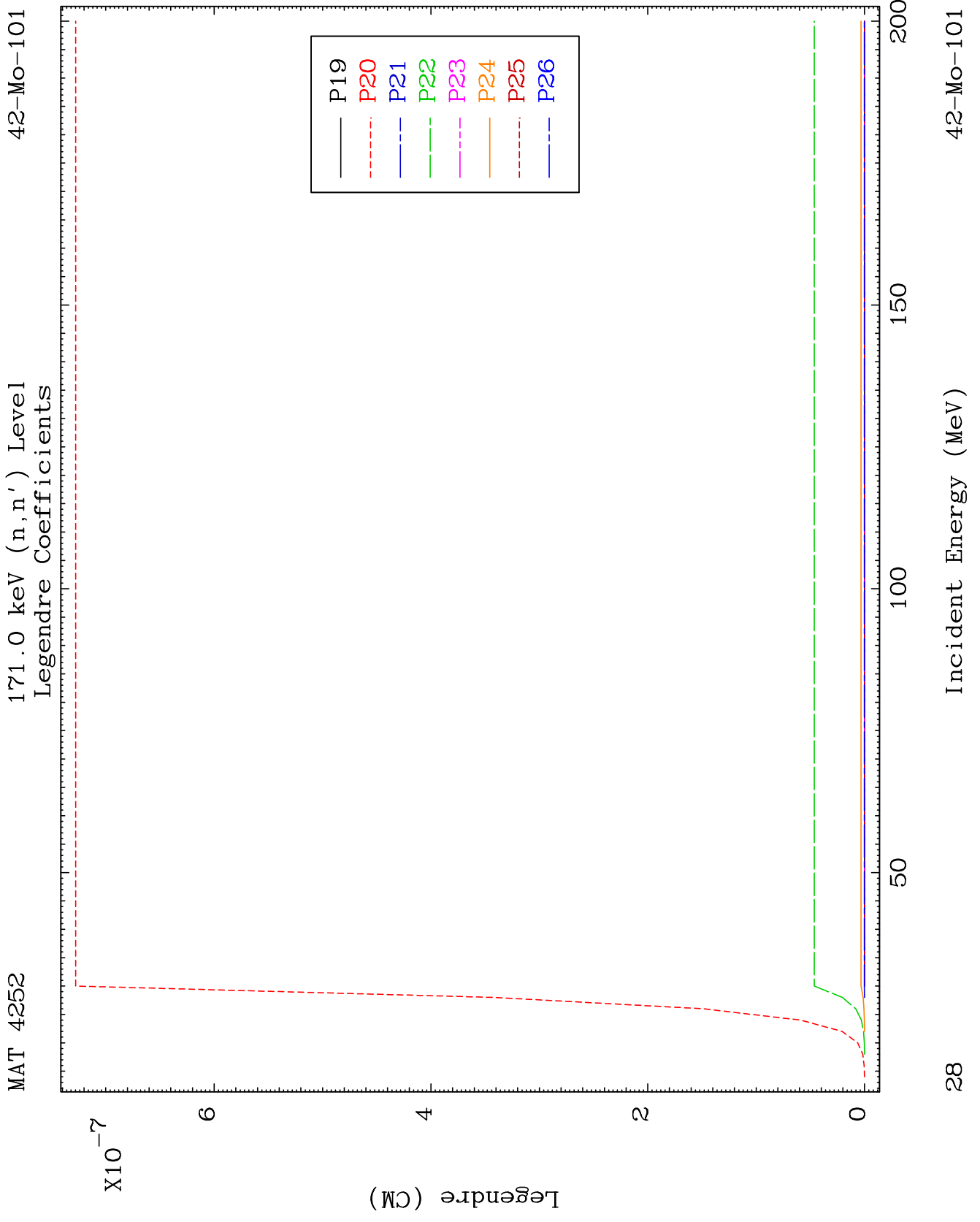








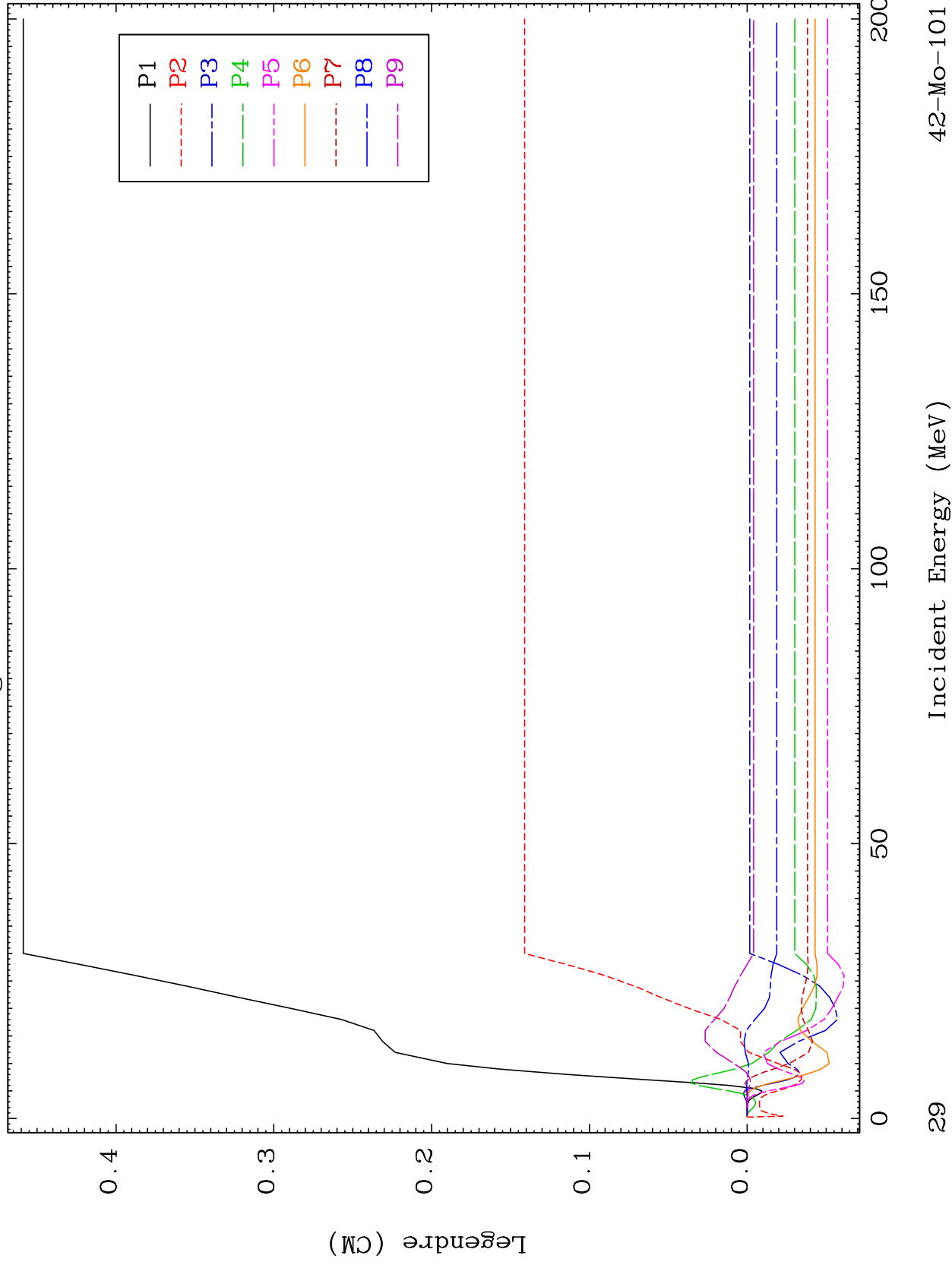




MAT 4252

237.7 keV (n,n') Level  
Legendre Coefficients

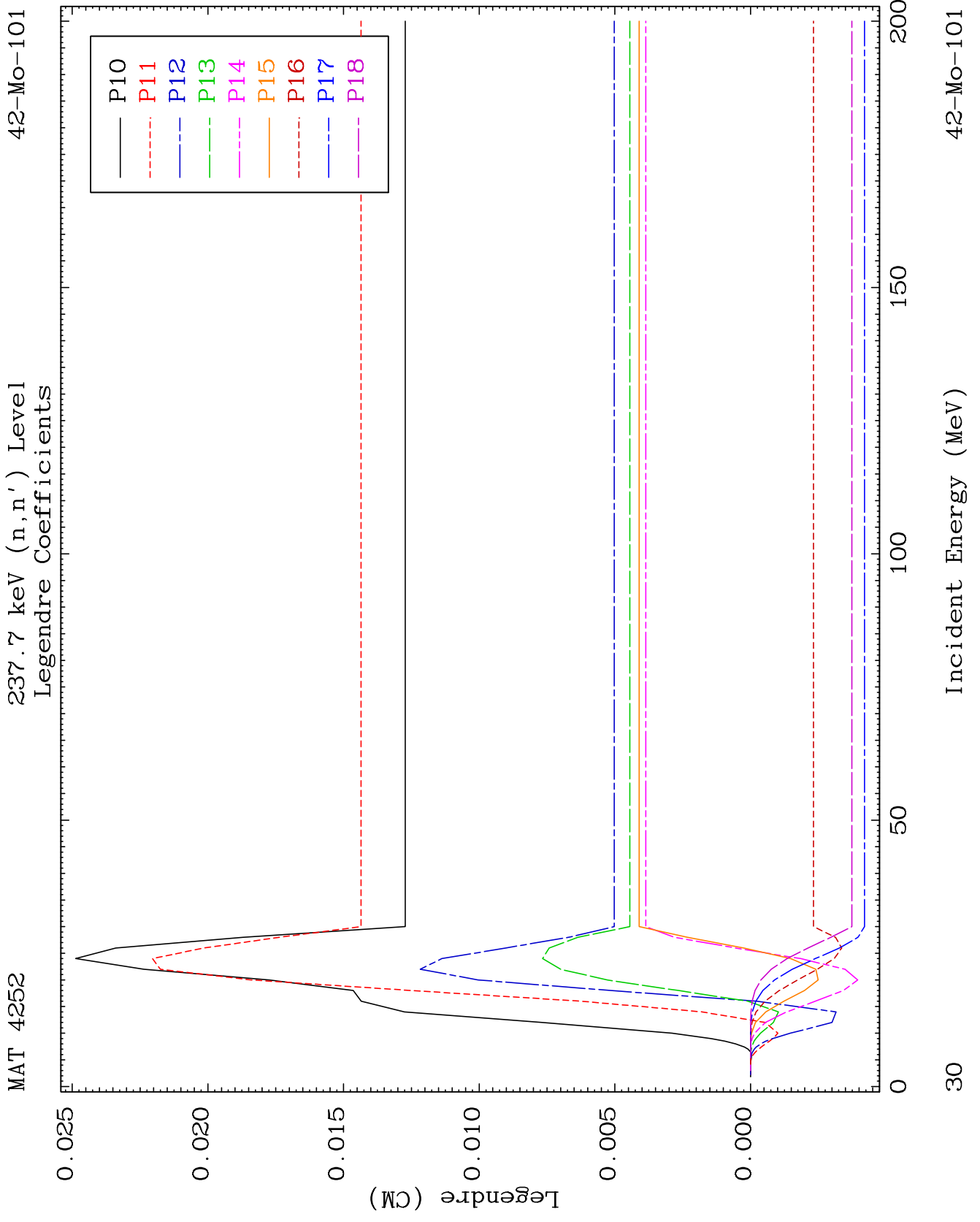
42-Mo-101

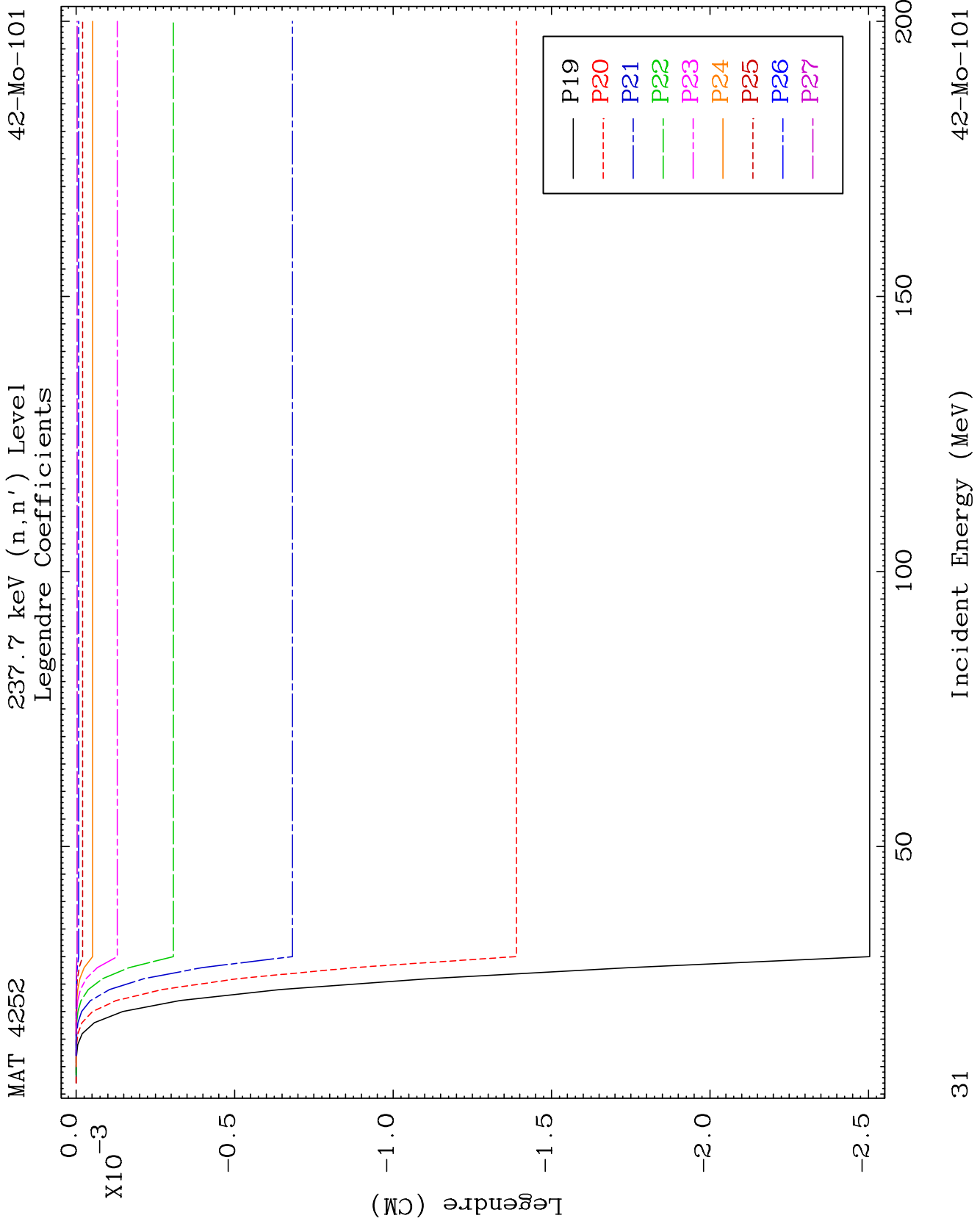


29

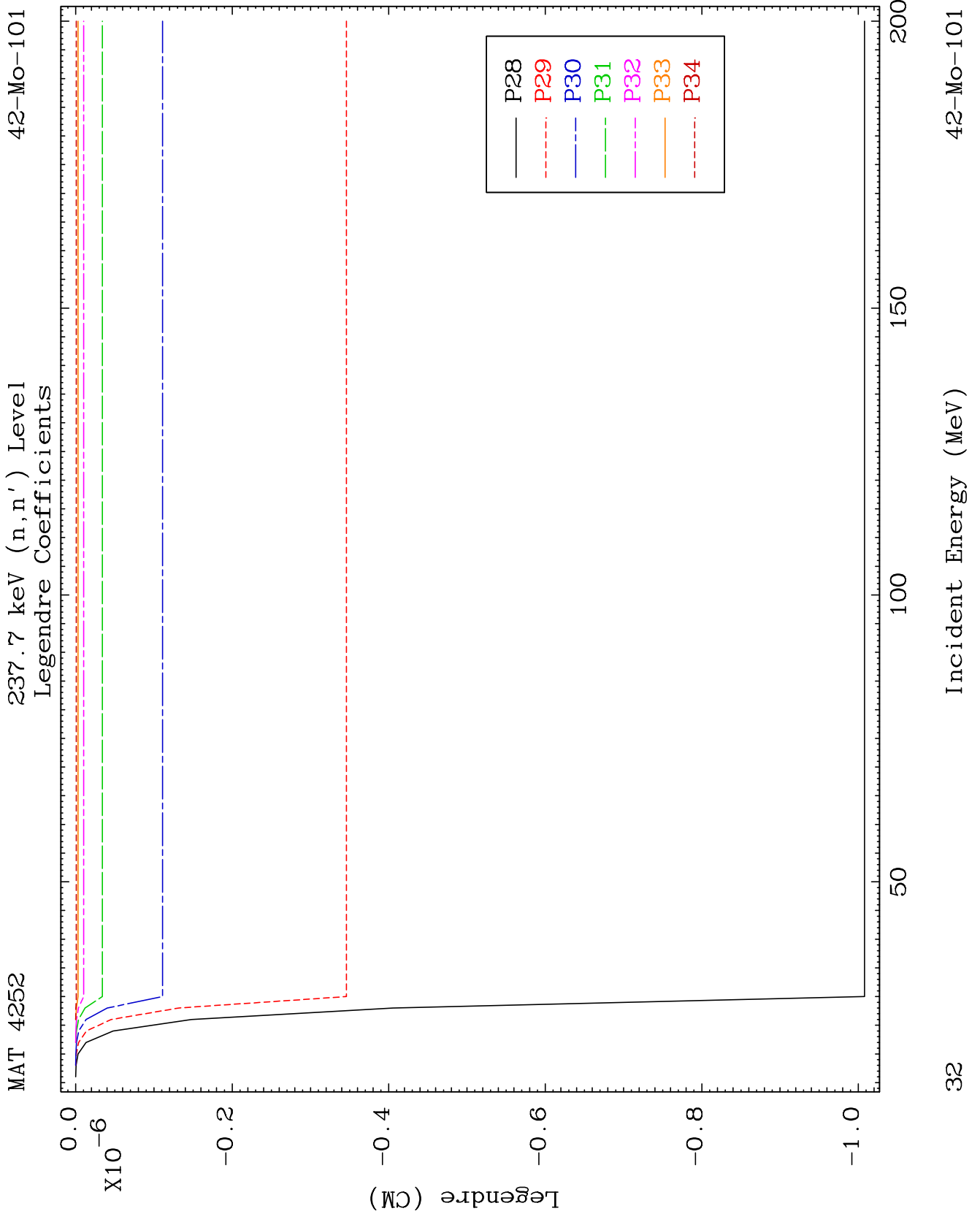
Incident Energy (MeV)

42-Mo-101





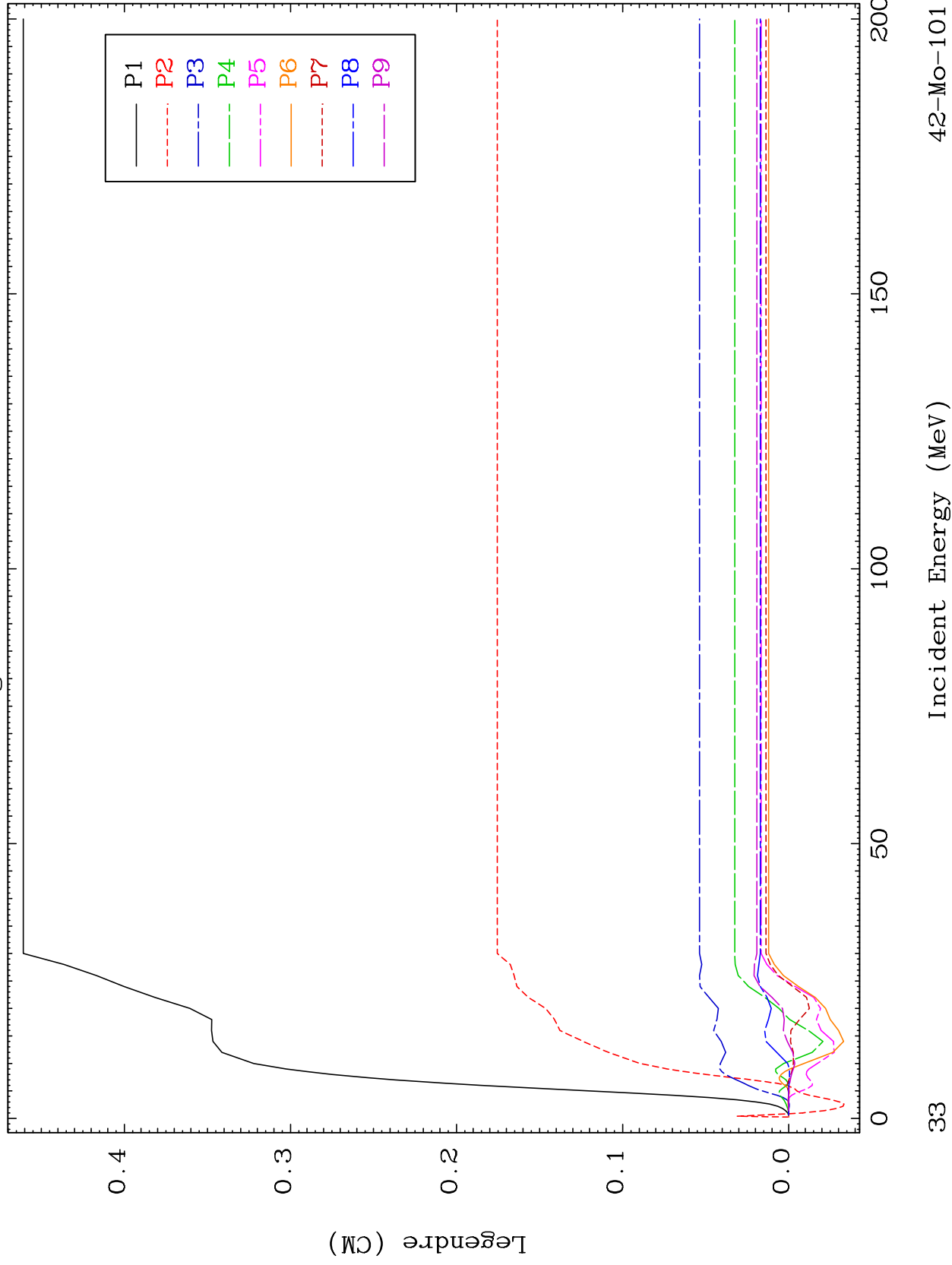




MAT 4252

240.5 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



42-Mo-101

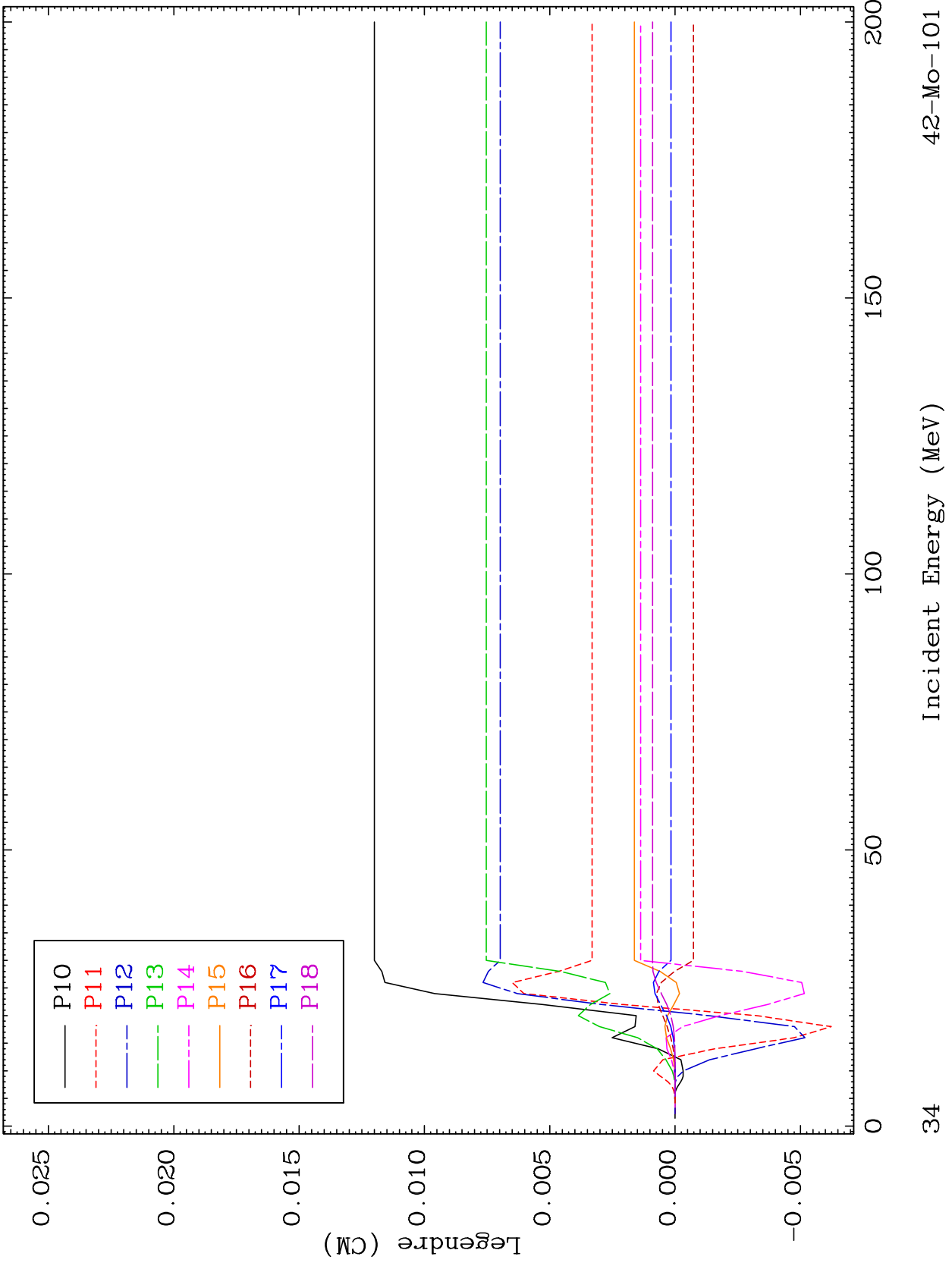
Incident Energy (MeV)

33

MAT 4252

240.5 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



34

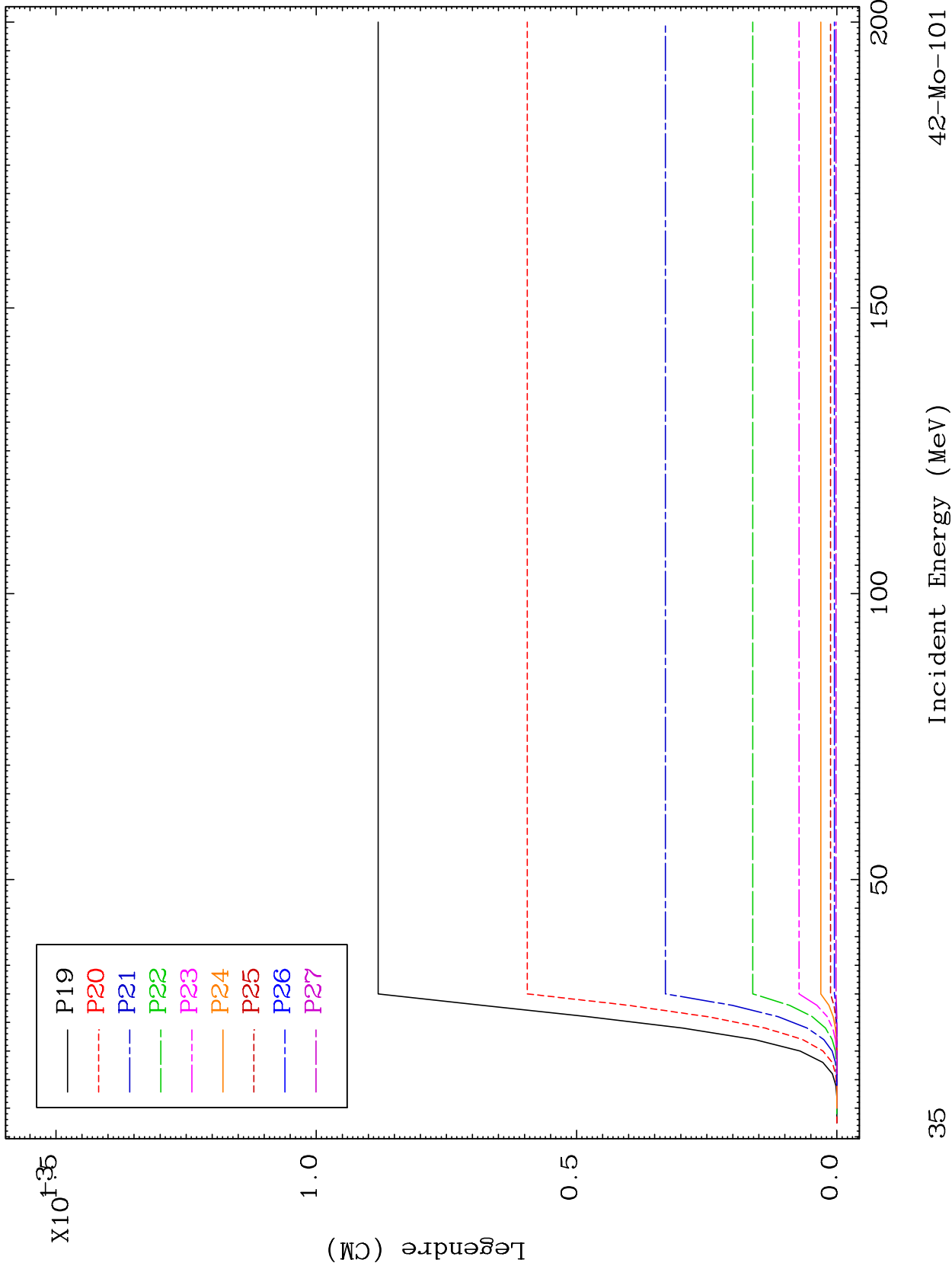
Incident Energy (MeV)

42-Mo-101

MAT 4252

240.5 keV (n,n') Level  
Legendre Coefficients

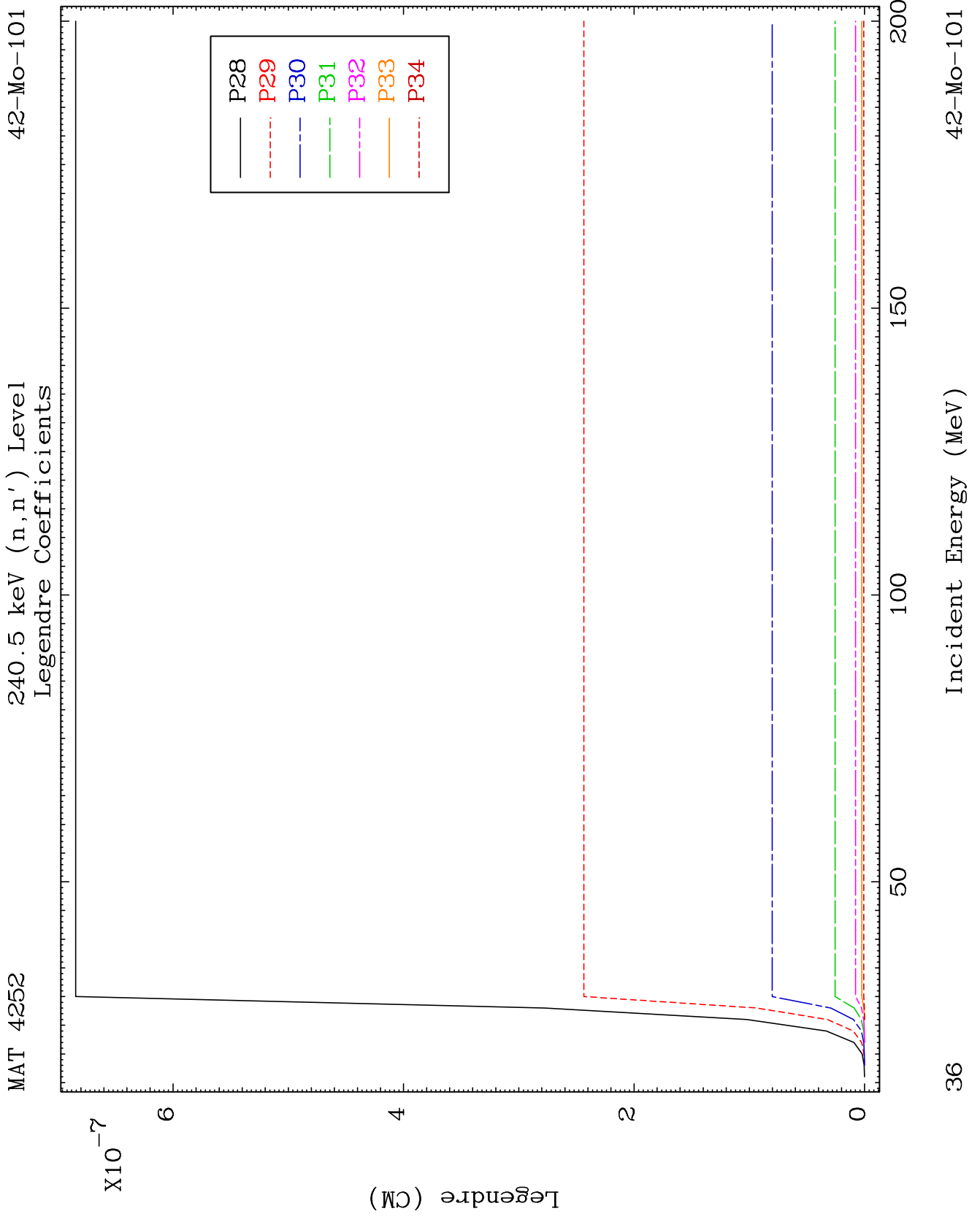
42-Mo-101



35

Incident Energy (MeV)

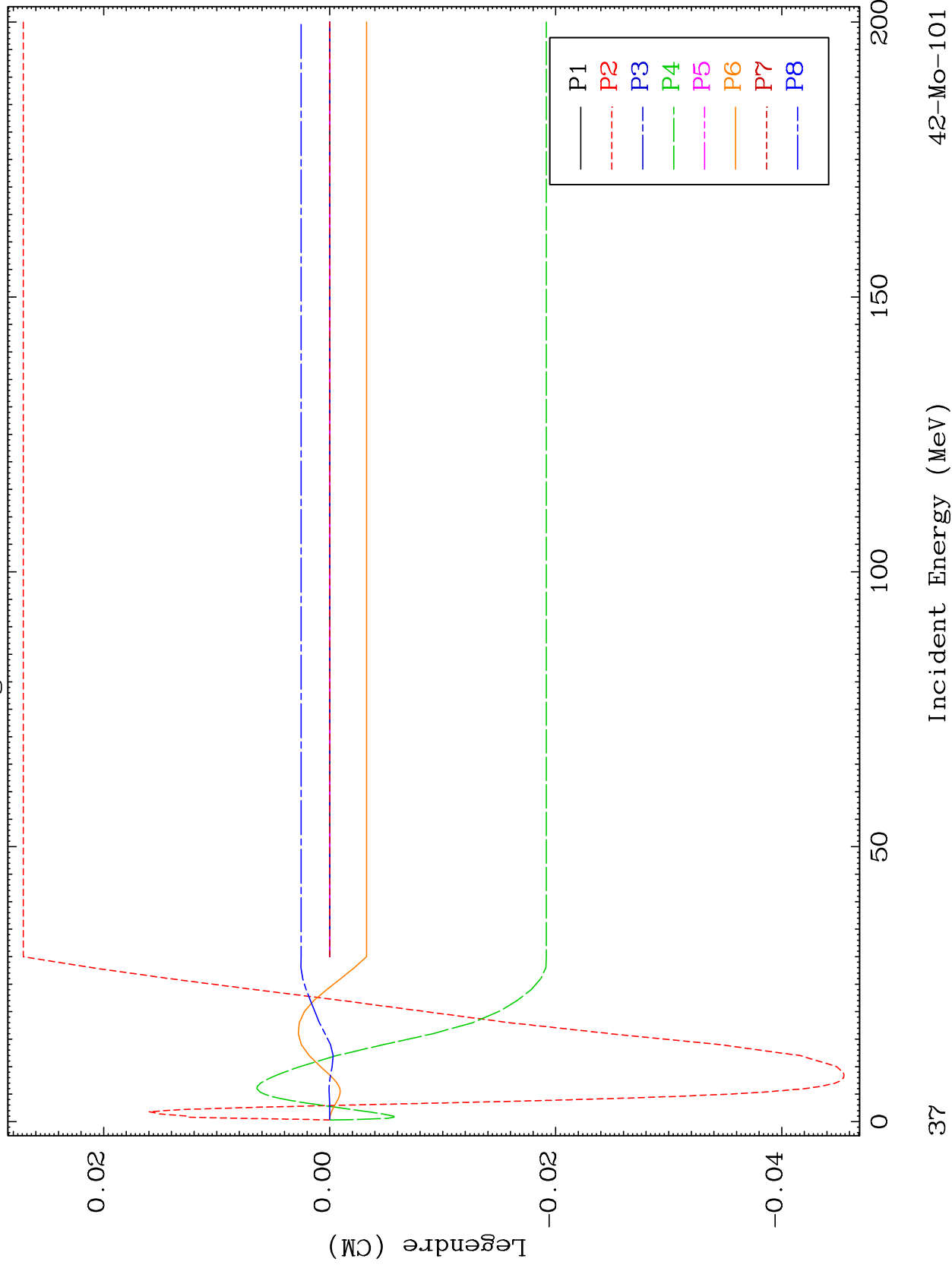
42-Mo-101



MAT 4252

273.0 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



42-Mo-101

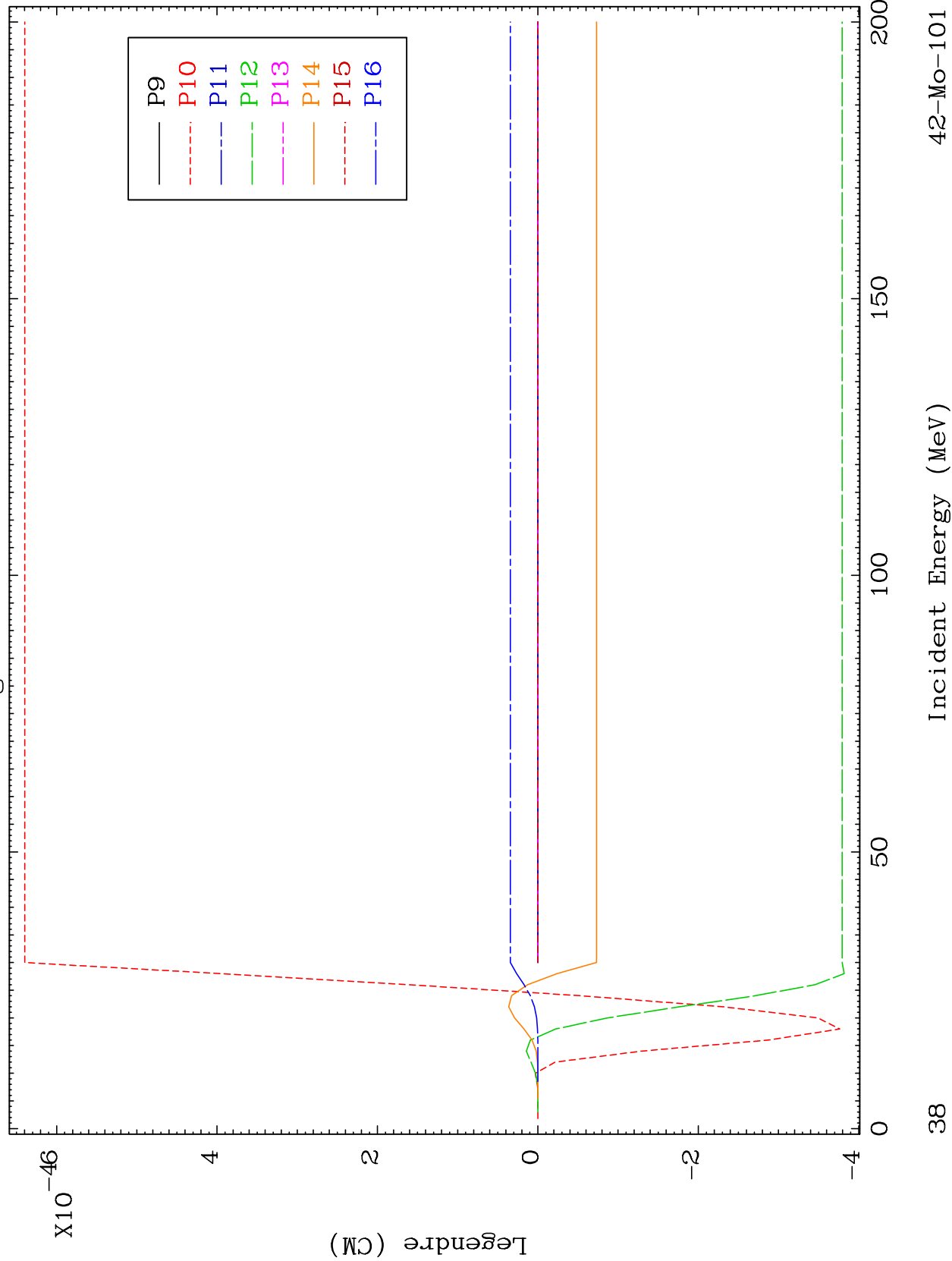
Incident Energy (MeV)

37

MAT 4252

273.0 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



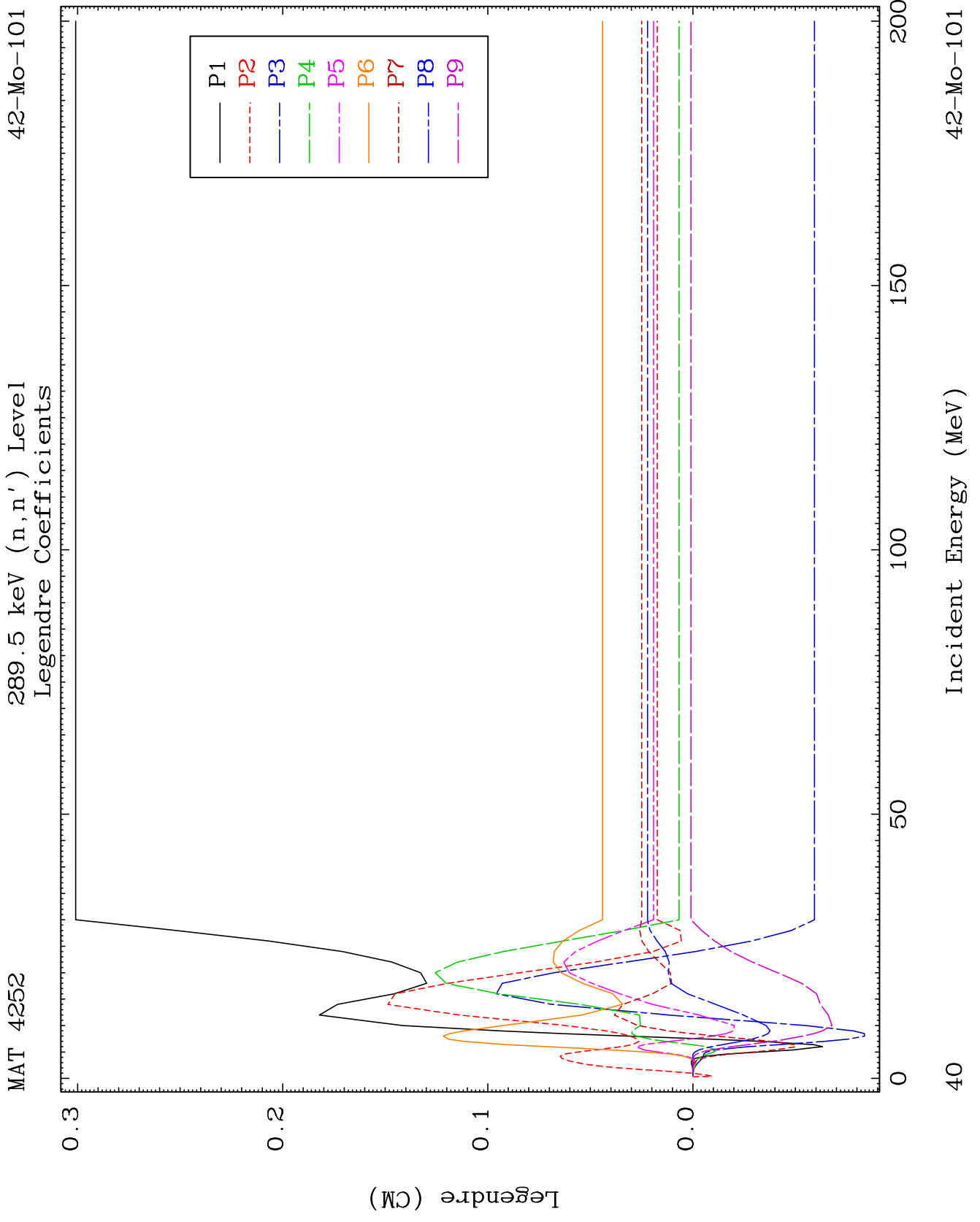
38

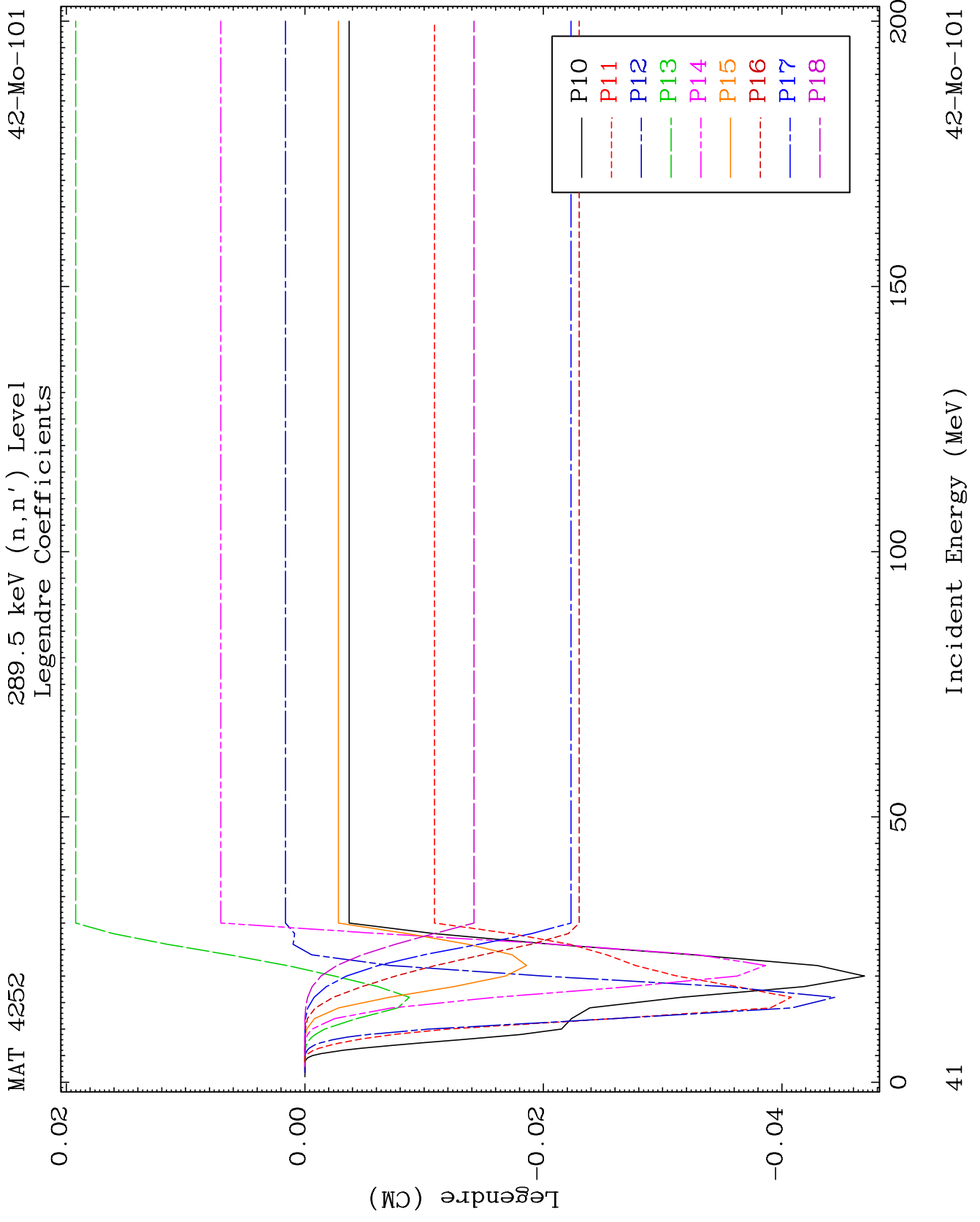
Incident Energy (MeV)

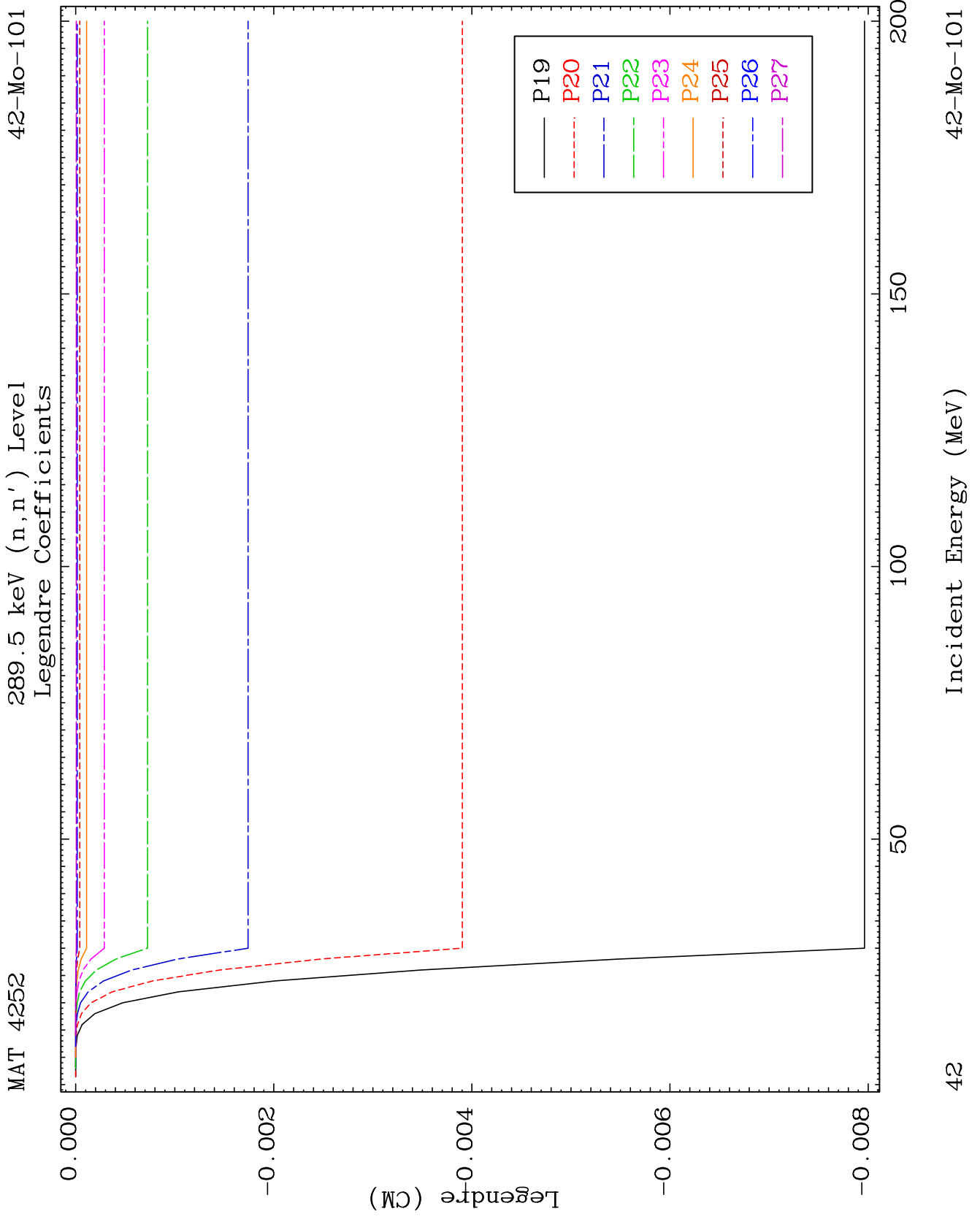
42-Mo-101

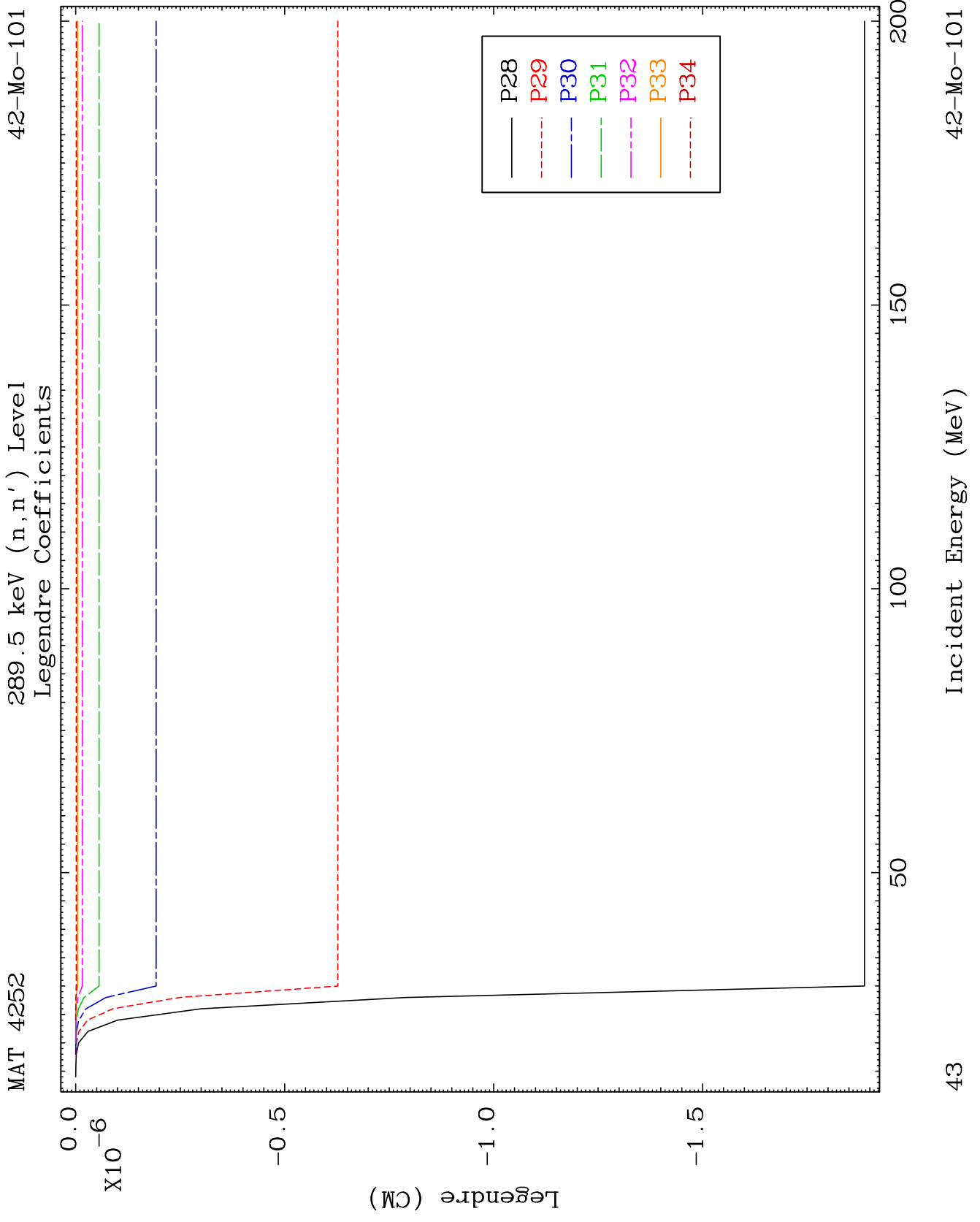








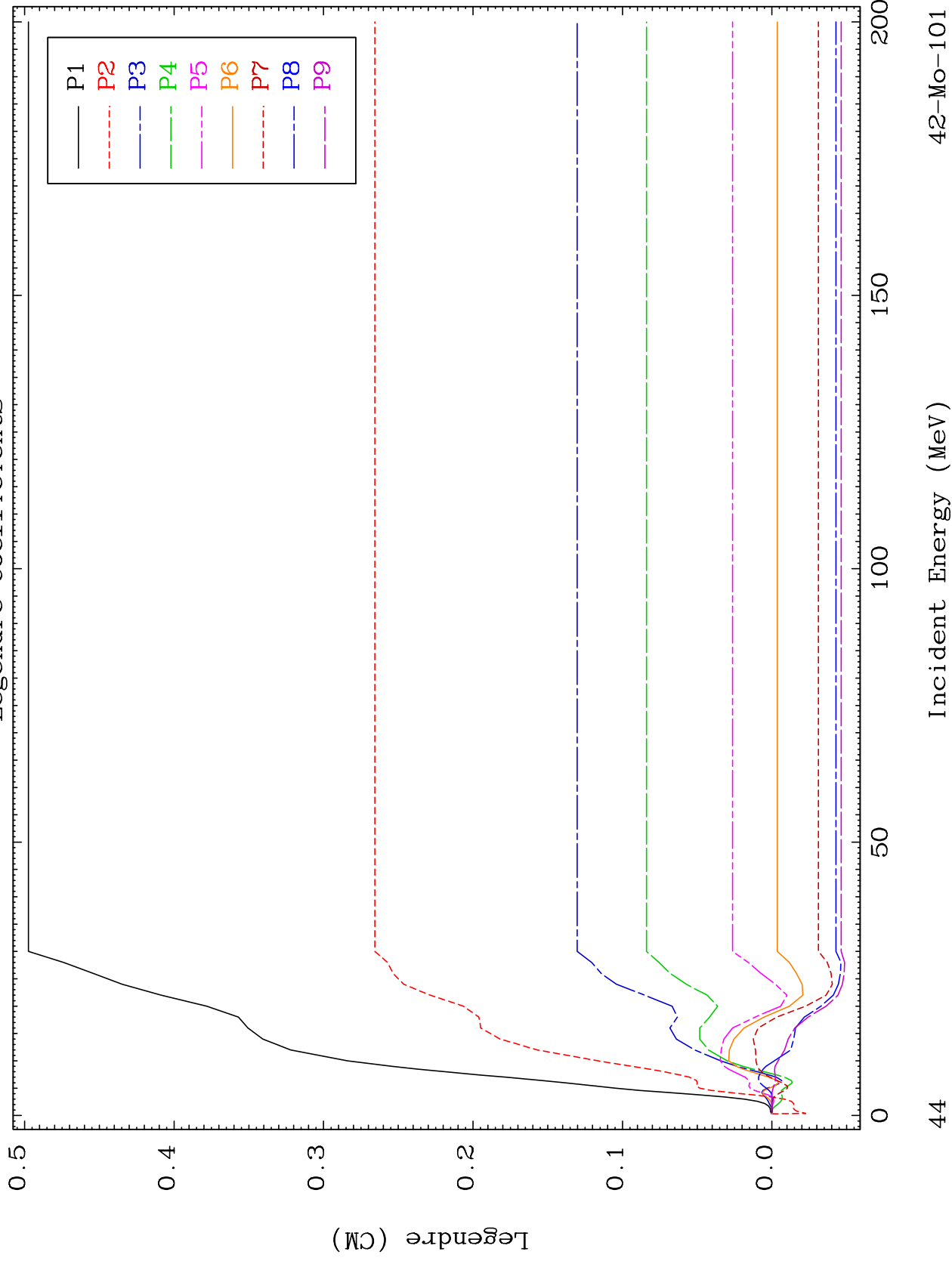




MAT 4252

293.8 keV (n,n') Level Legendre Coefficients

42-Mo-101



44

Incident Energy (MeV)

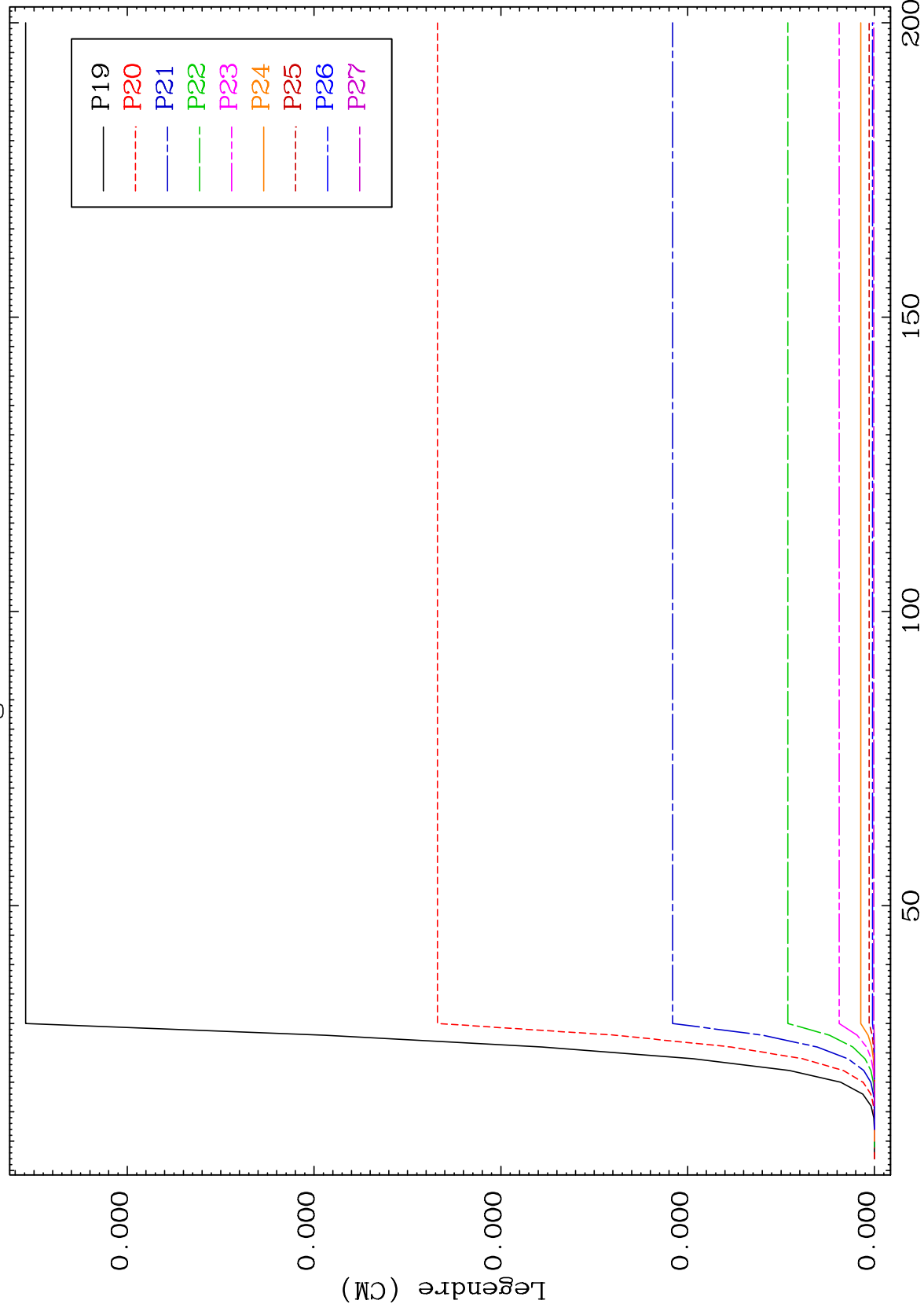
42-Mo-101



MAT 4252

293.8 keV (n,n') Level Legendre Coefficients

42-Mo-101



46

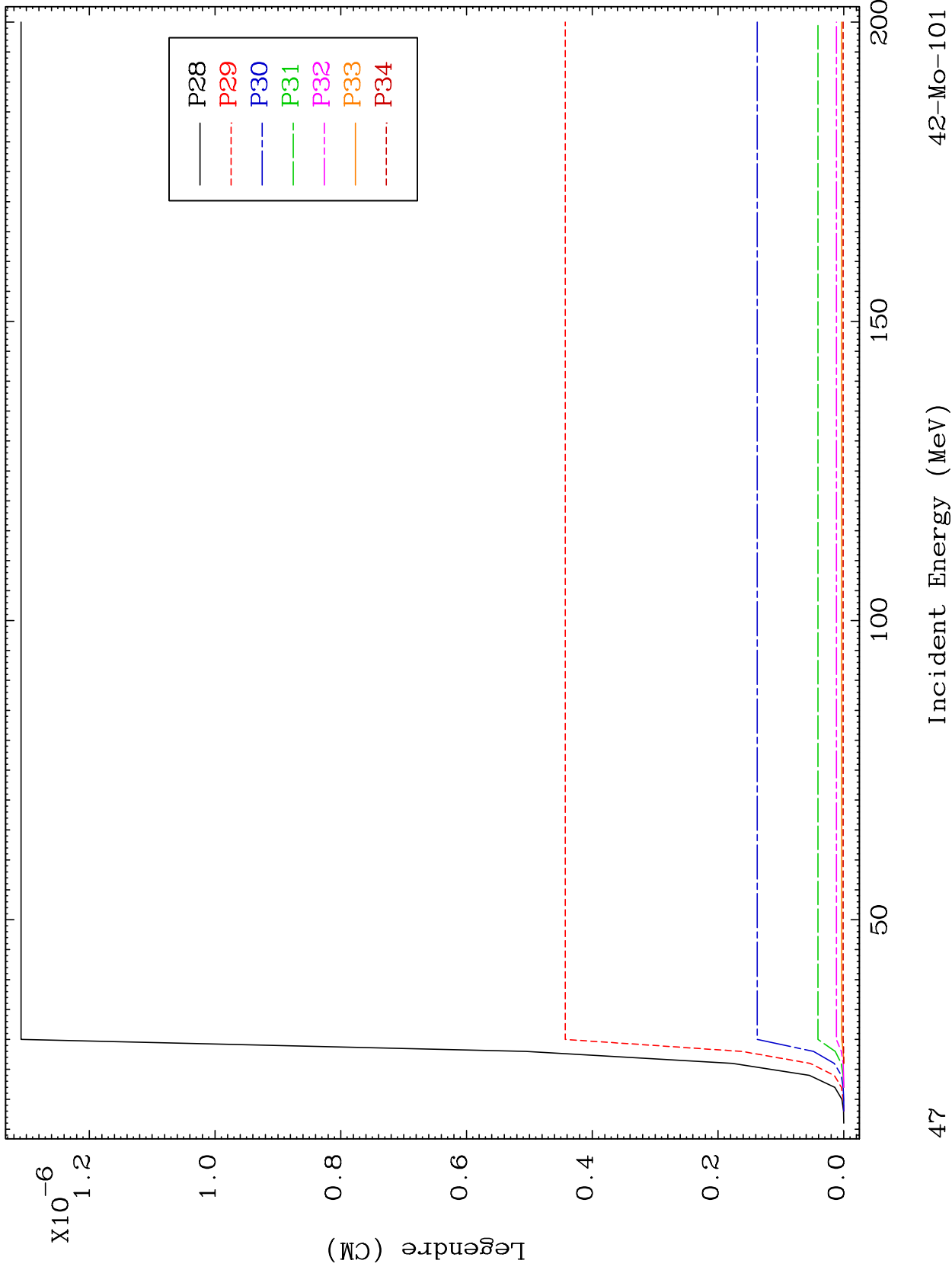
Incident Energy (MeV)

42-Mo-101

MAT 4252

293.8 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



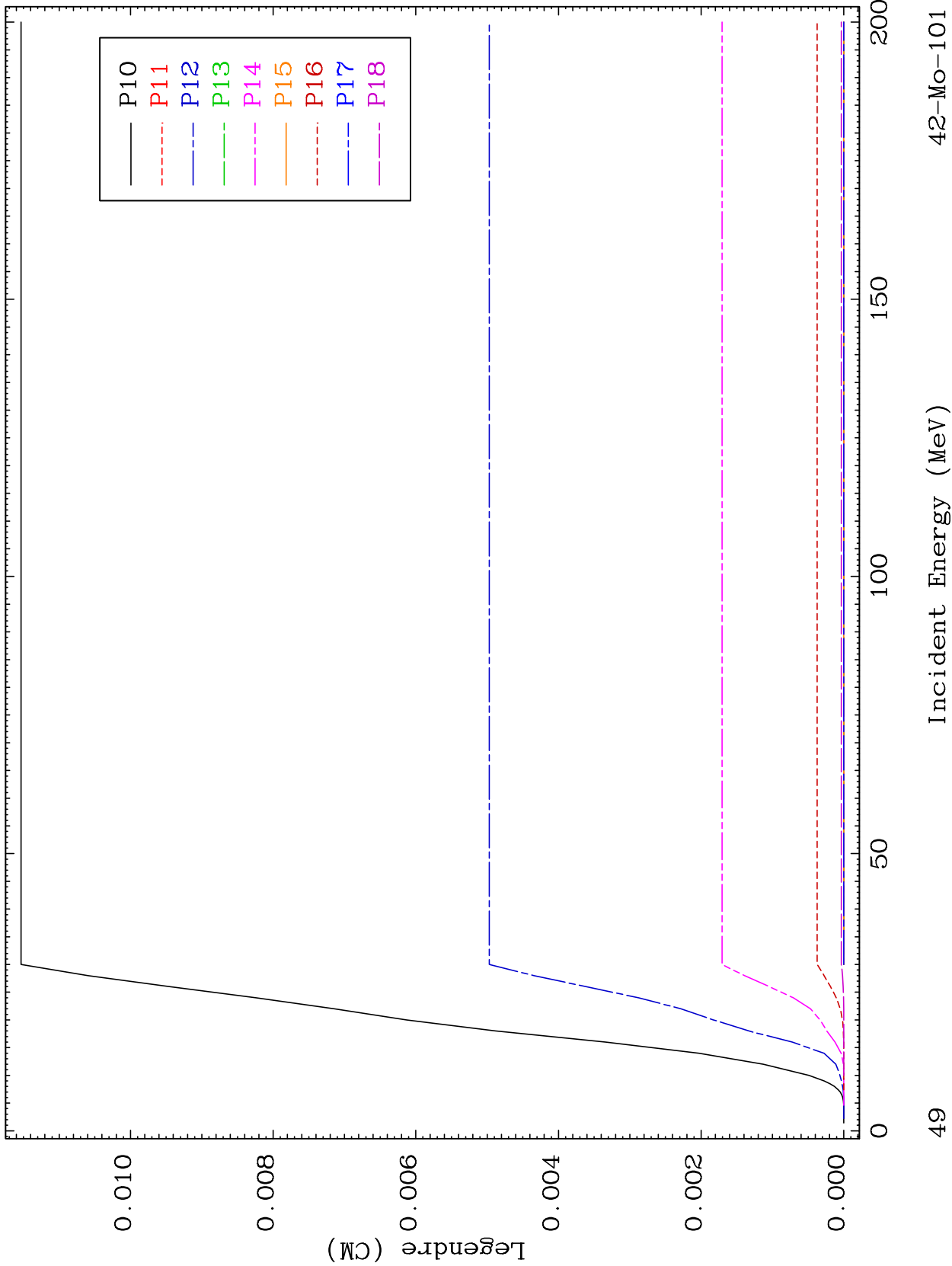




MAT 4252

304.8 keV (n, n') Level  
Legendre Coefficients

42-Mo-101



49

Incident Energy (MeV)

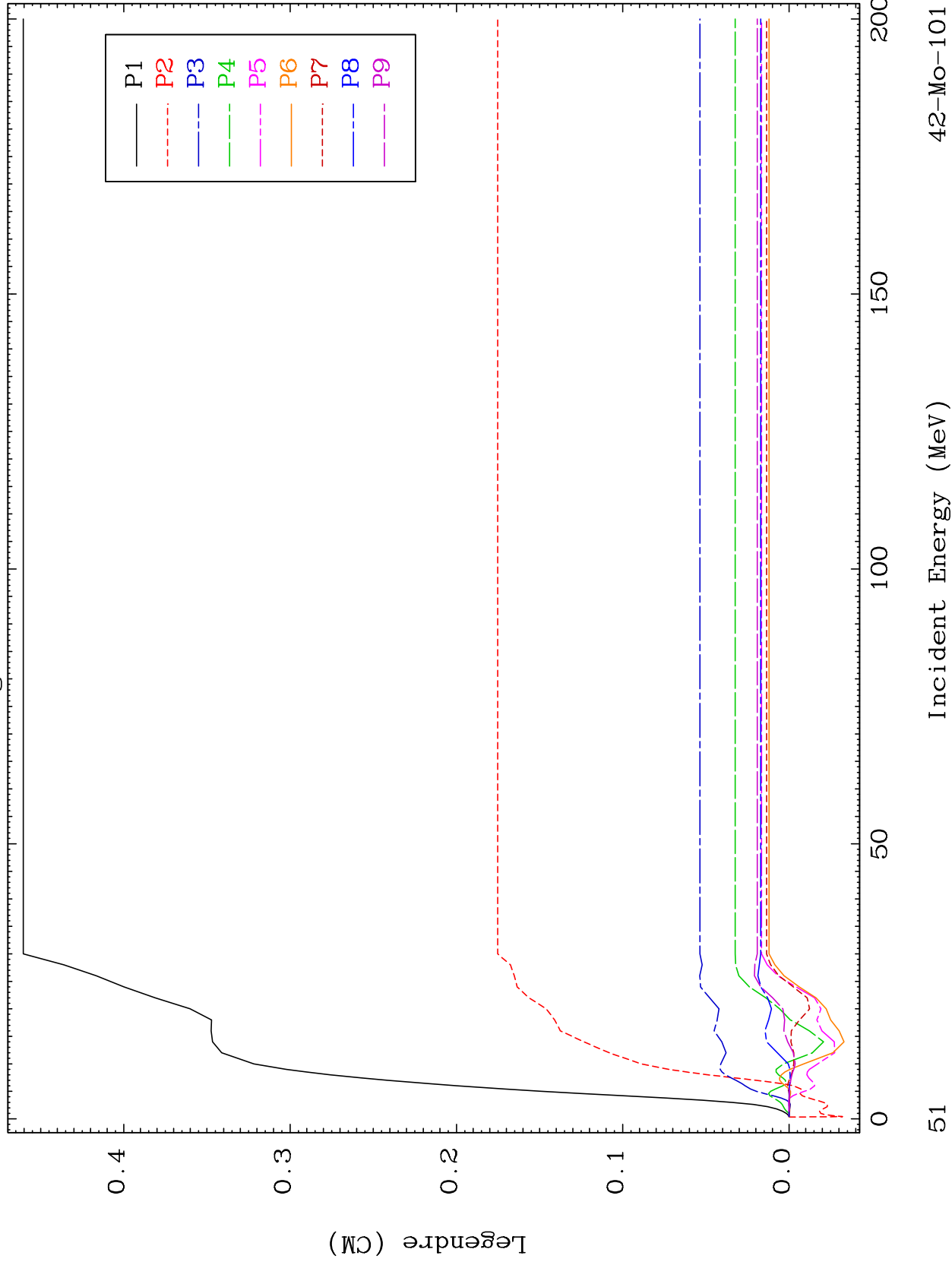
42-Mo-101



MAT 4252

315.0 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



42-Mo-101

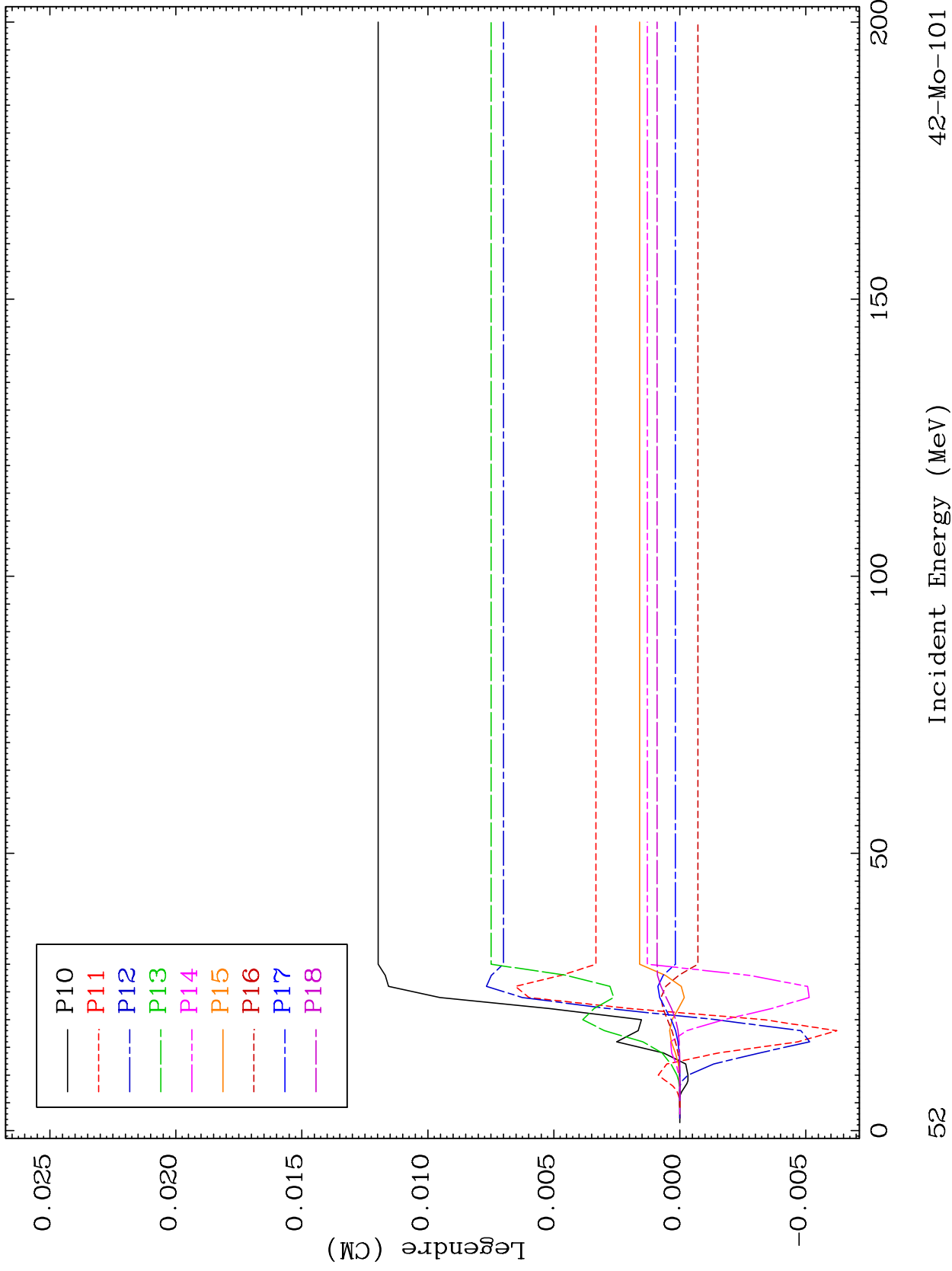
Incident Energy (MeV)

51

MAT 4252

315.0 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



42-Mo-101

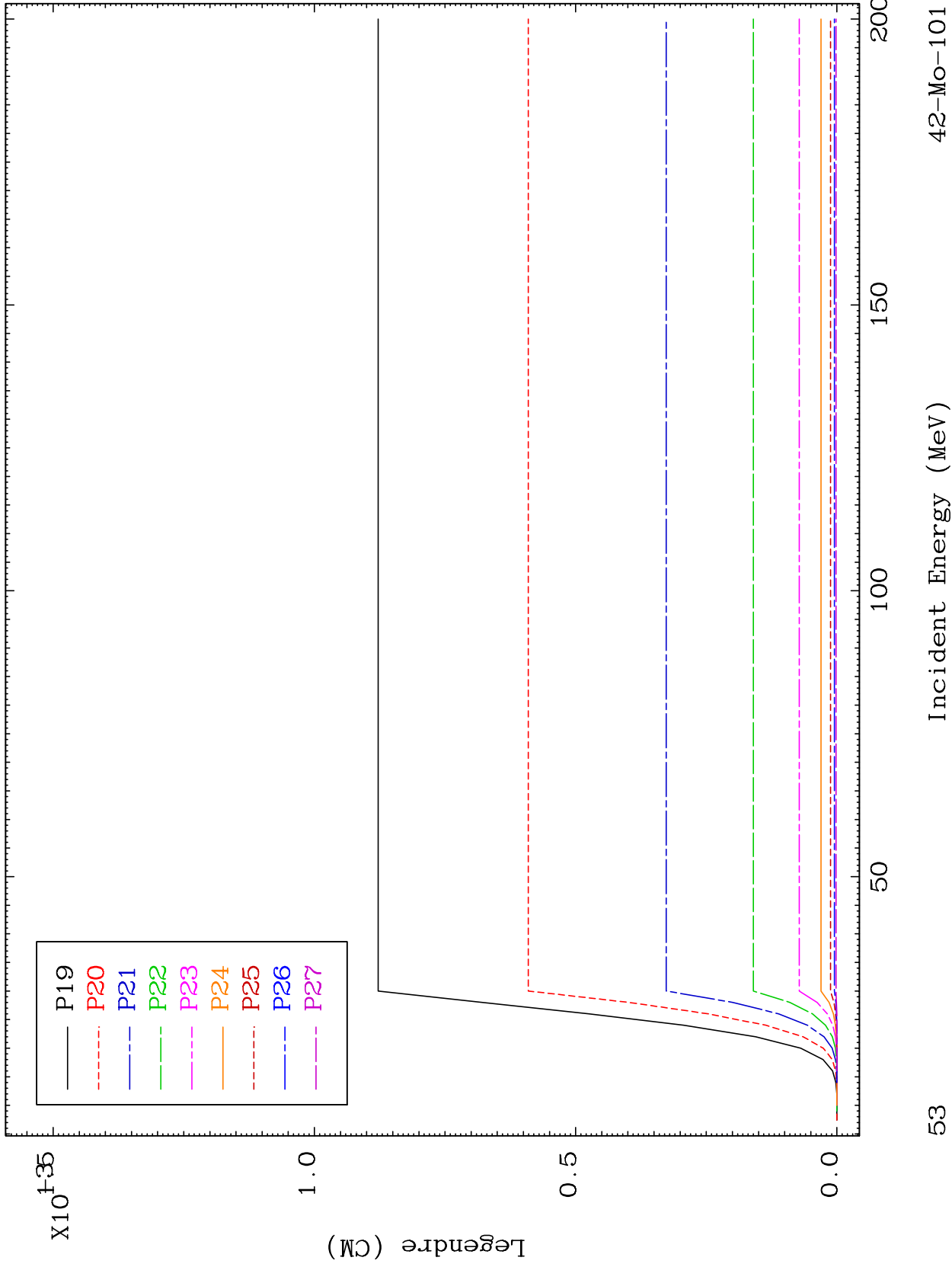
Incident Energy (MeV)

52

MAT 4252

315.0 keV (n,n') Level  
Legendre Coefficients

42-Mo-101

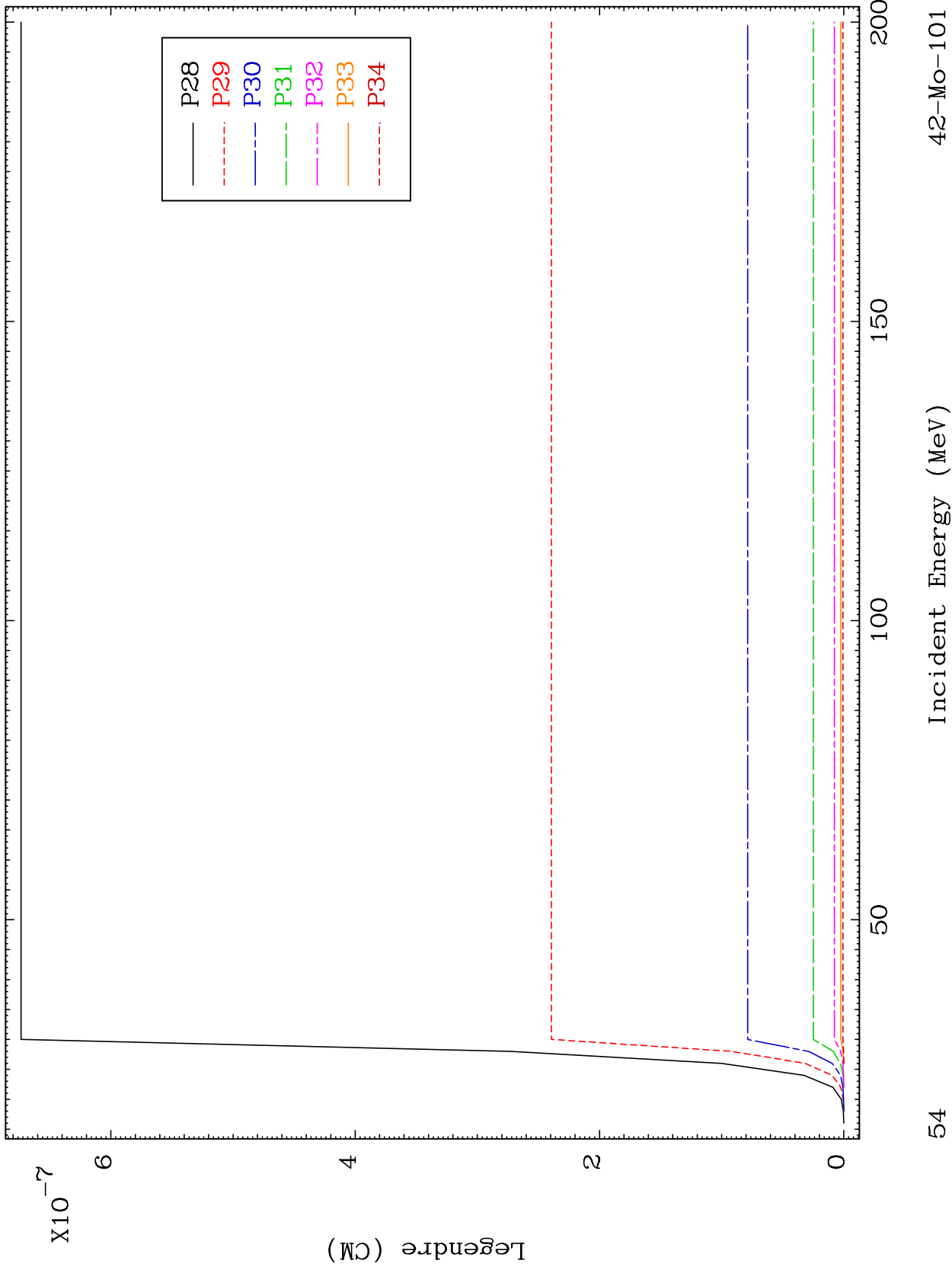


53

MAT 4252

315.0 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



54

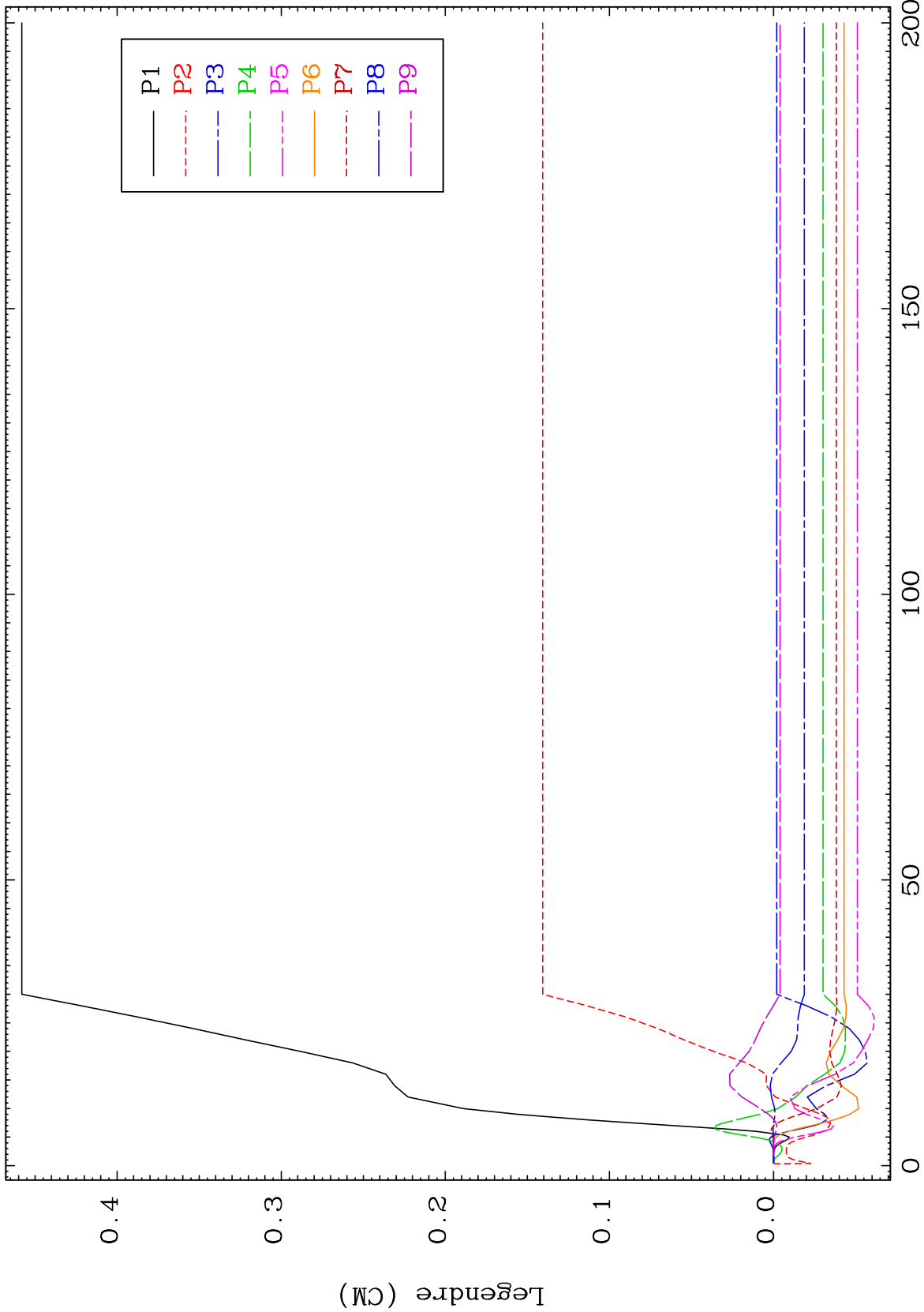
Incident Energy (MeV)

42-Mo-101

MAT 4252

318.9 keV (n,n') Level  
Legendre Coefficients

42-Mo-101

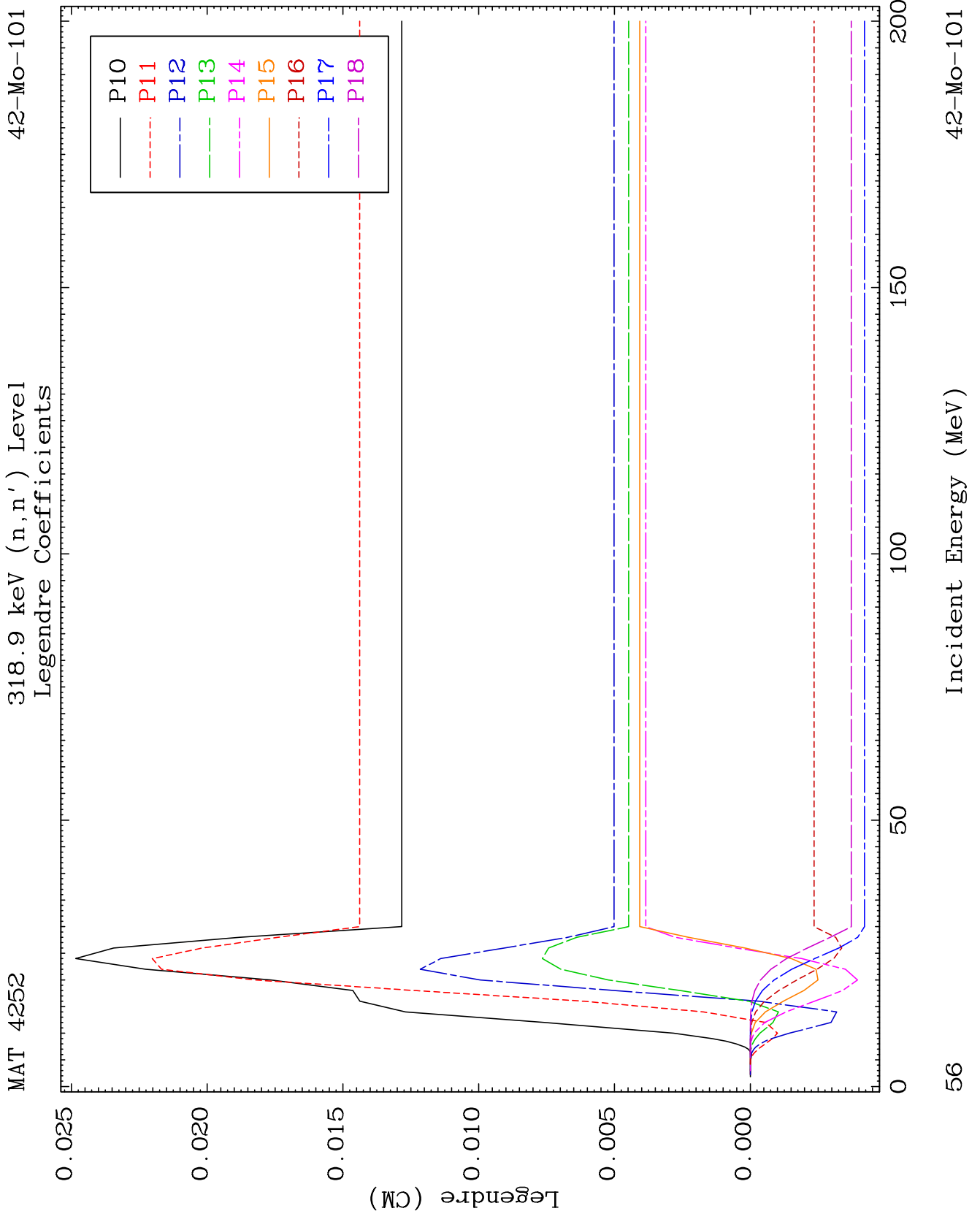


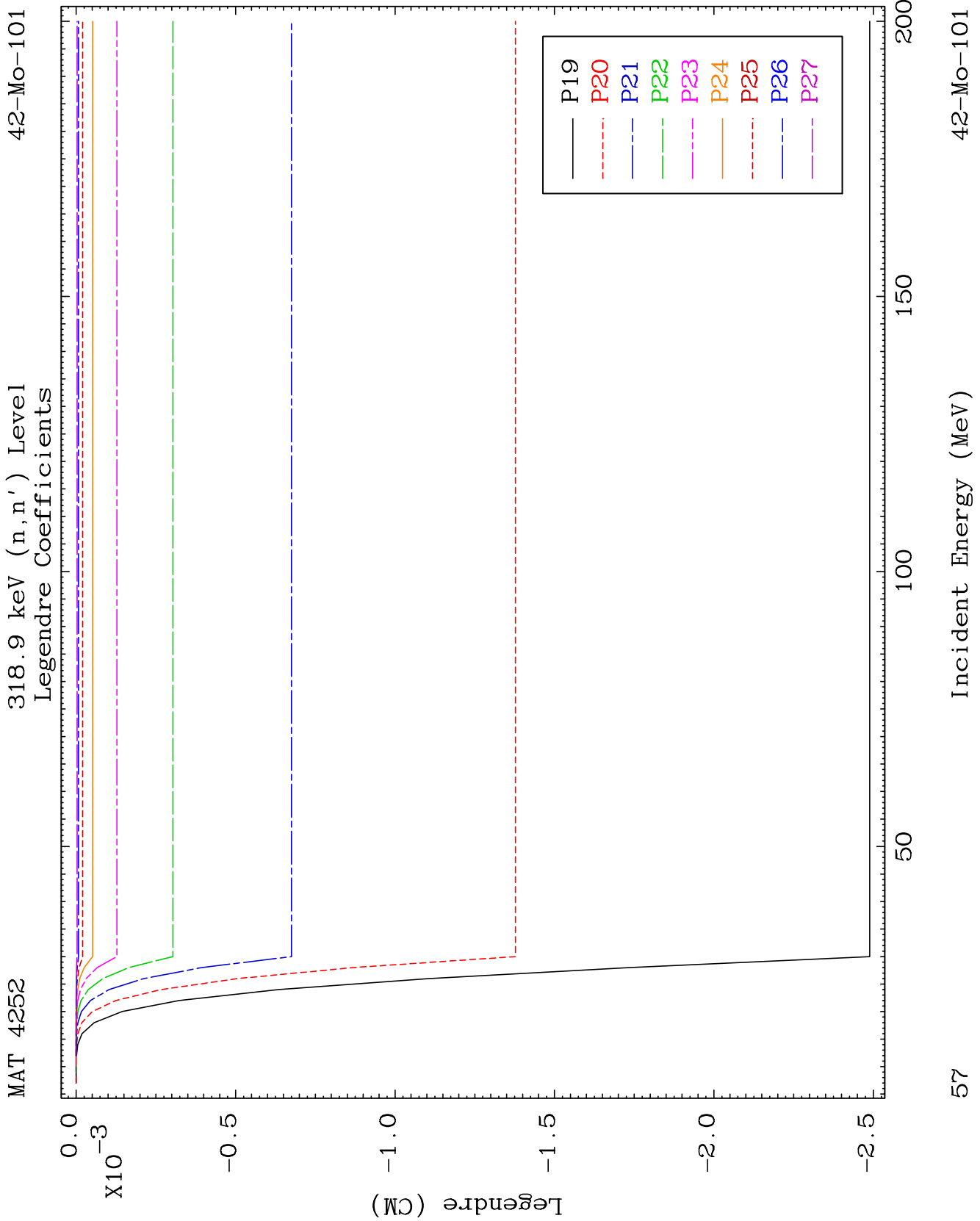
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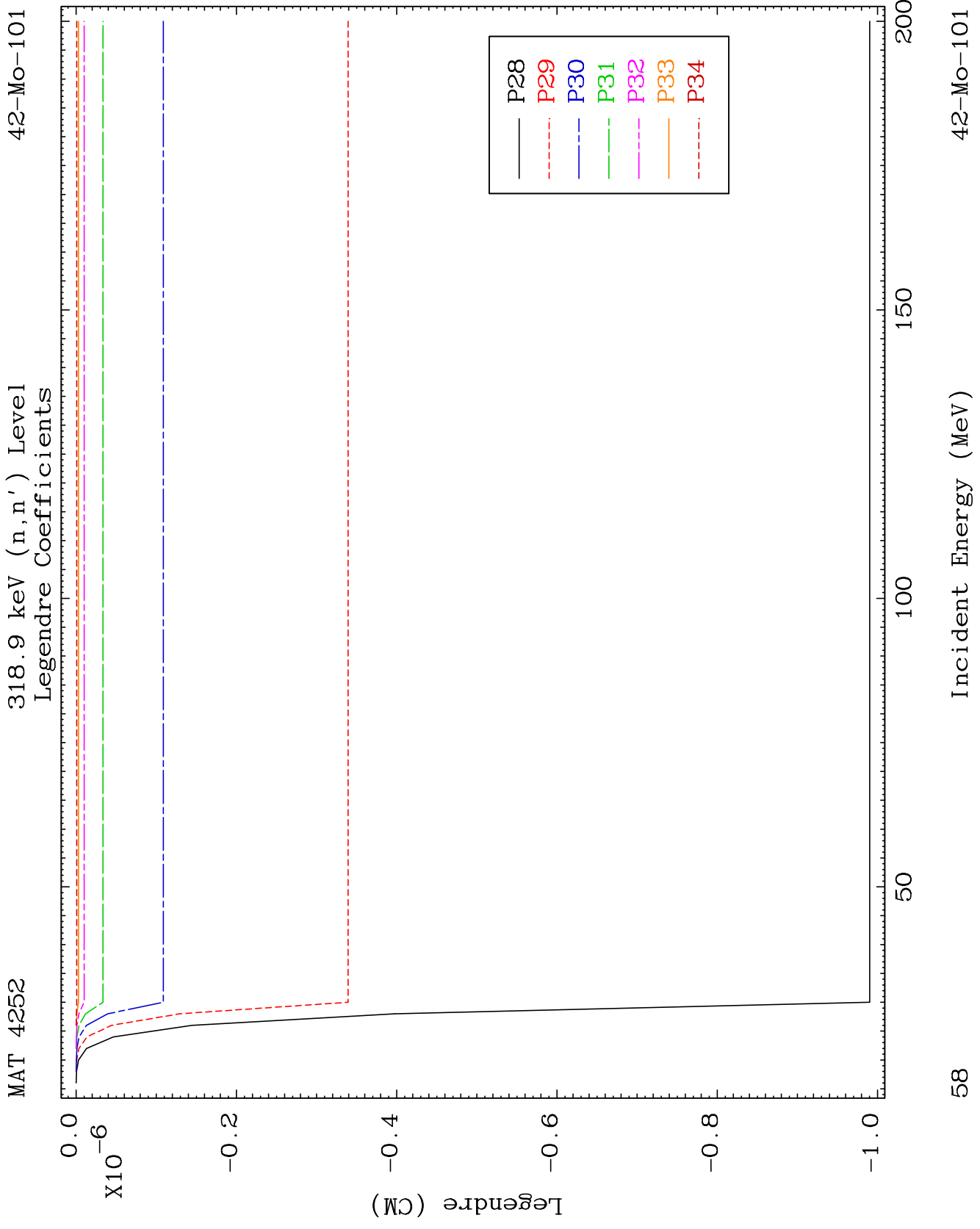
Incident Energy (MeV)

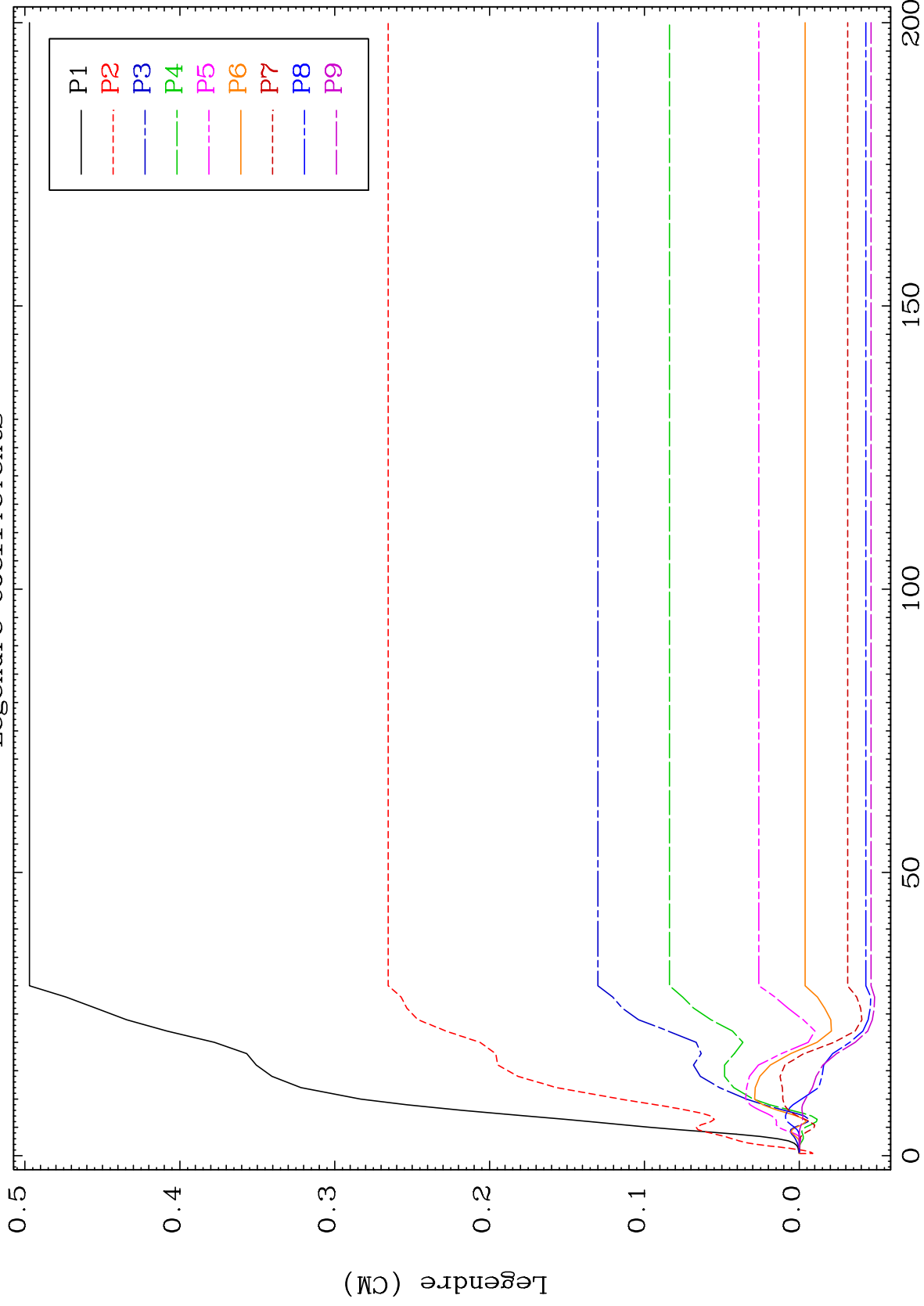
42-Mo-101







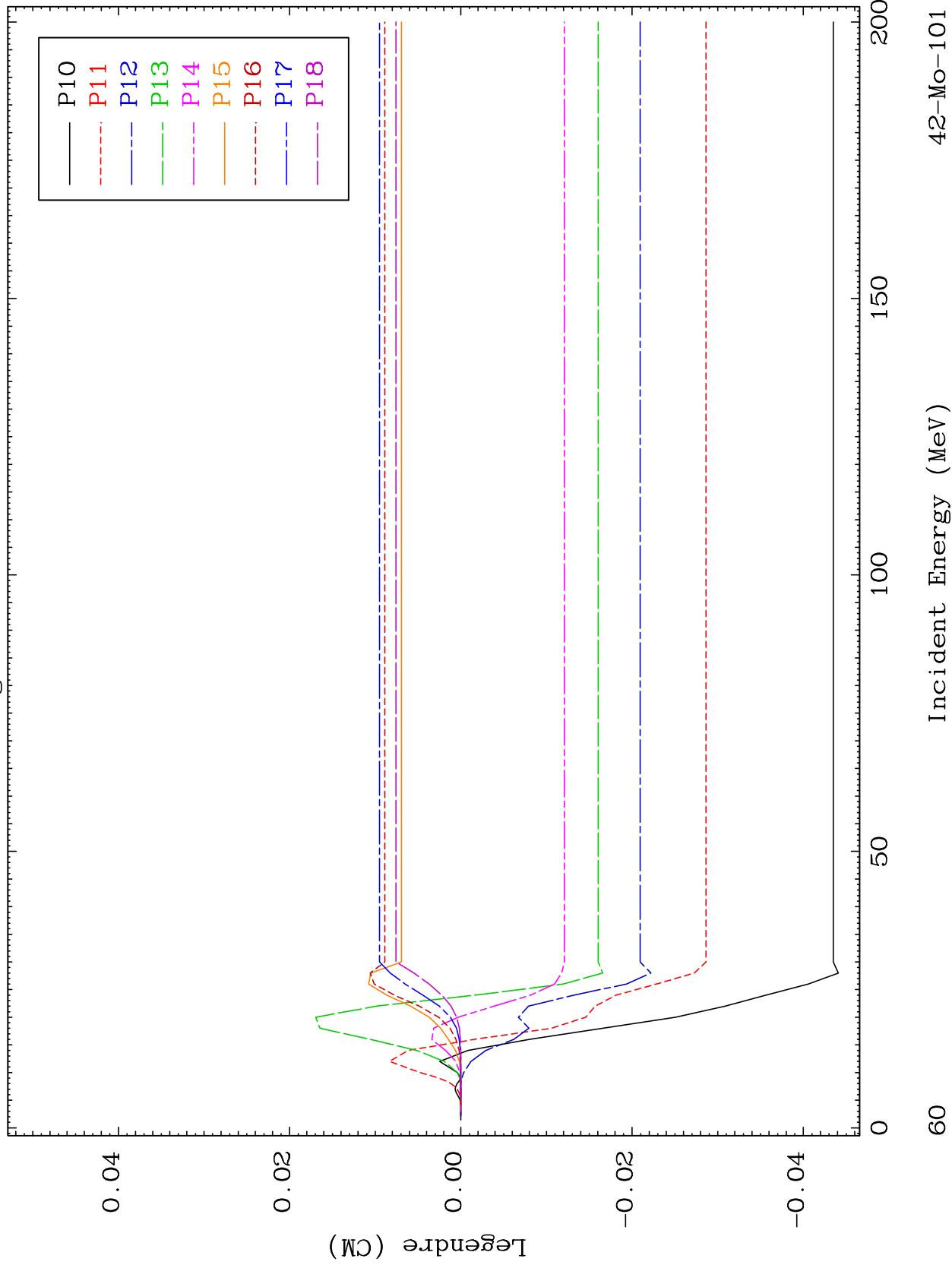




MAT 4252

351.6 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



42-Mo-101

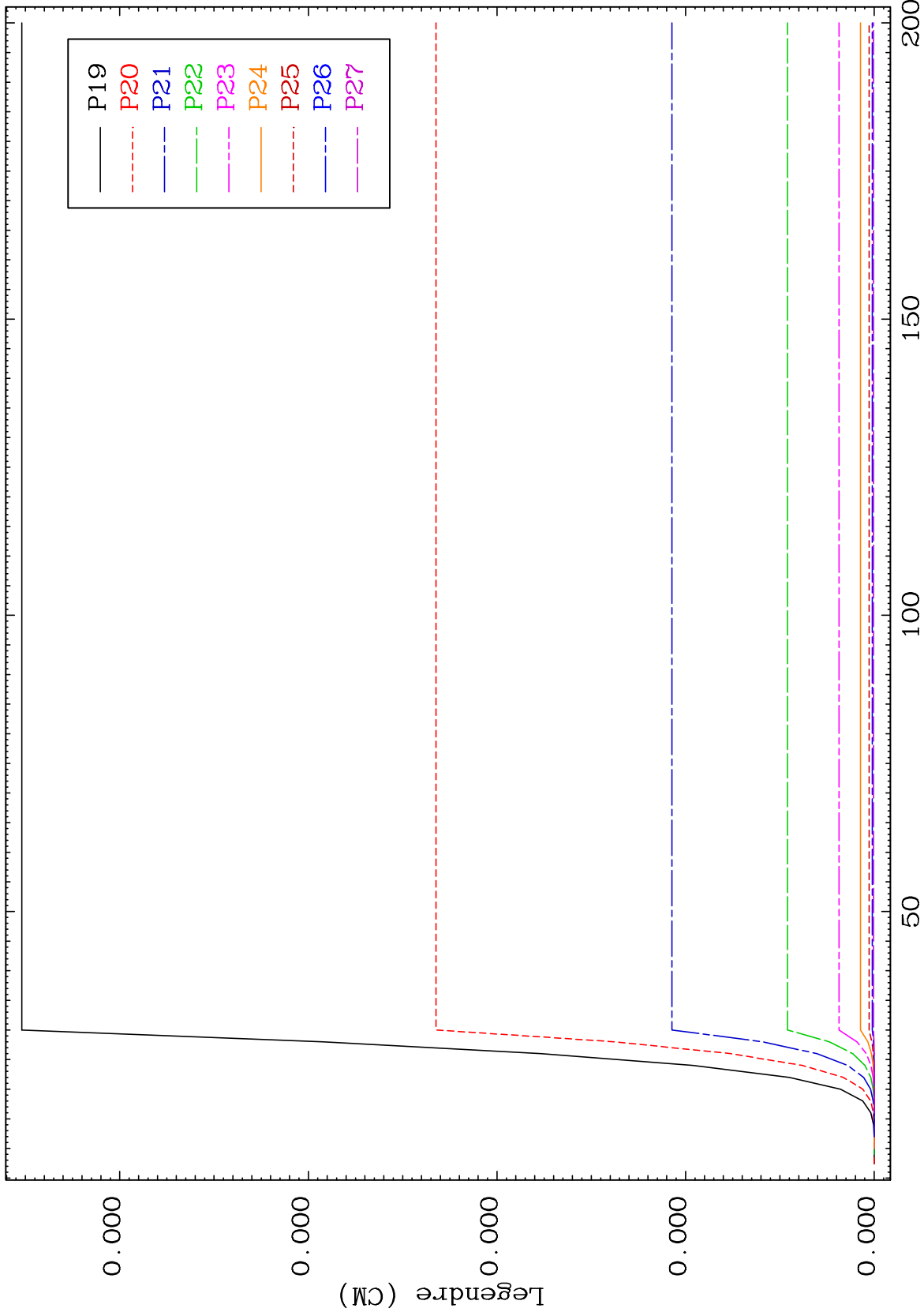
Incident Energy (MeV)

60

MAT 4252

351.6 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



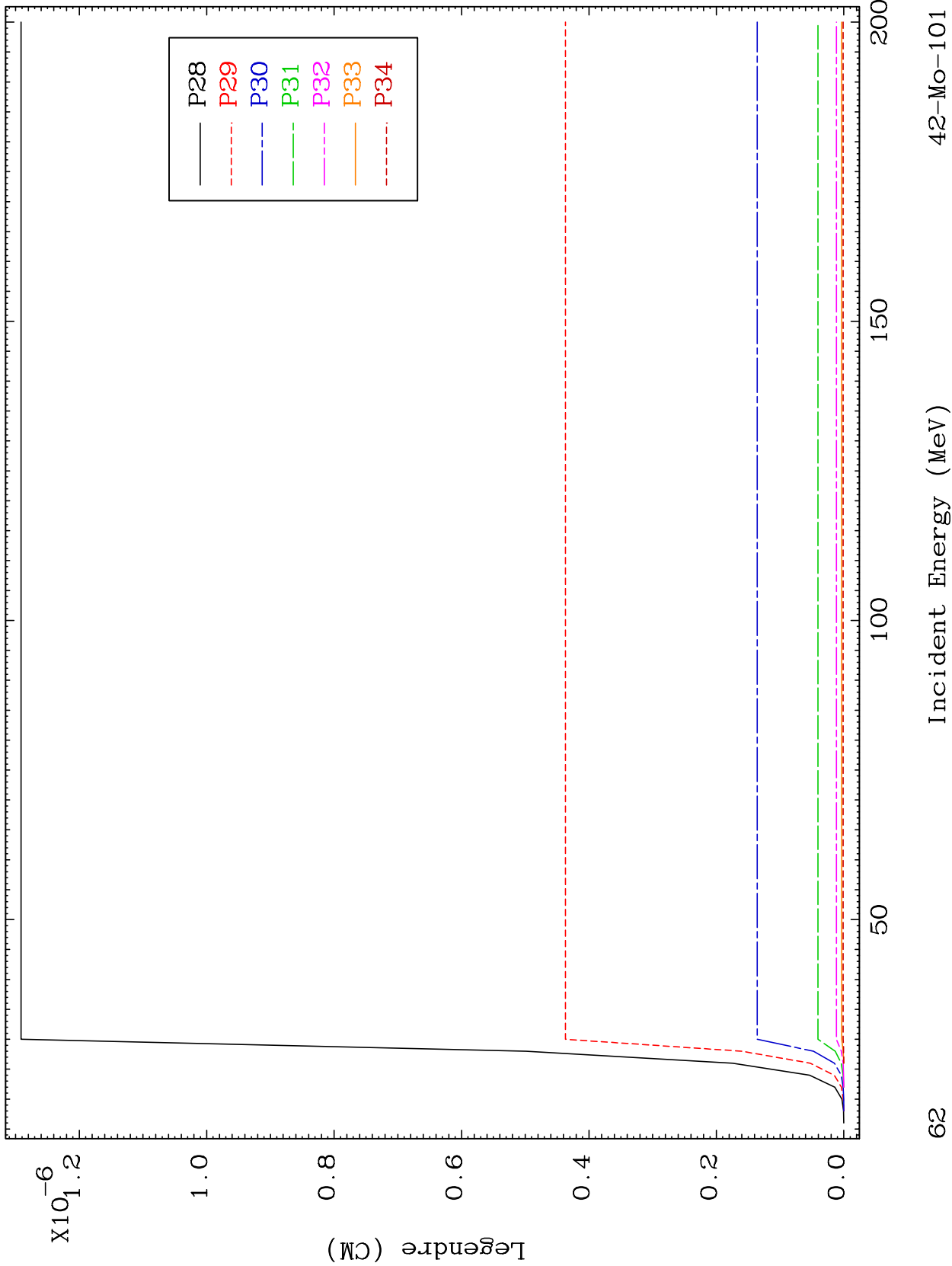
61

42-Mo-101

MAT 4252

351.6 keV (n, n') Level  
Legendre Coefficients

42-Mo-101



62

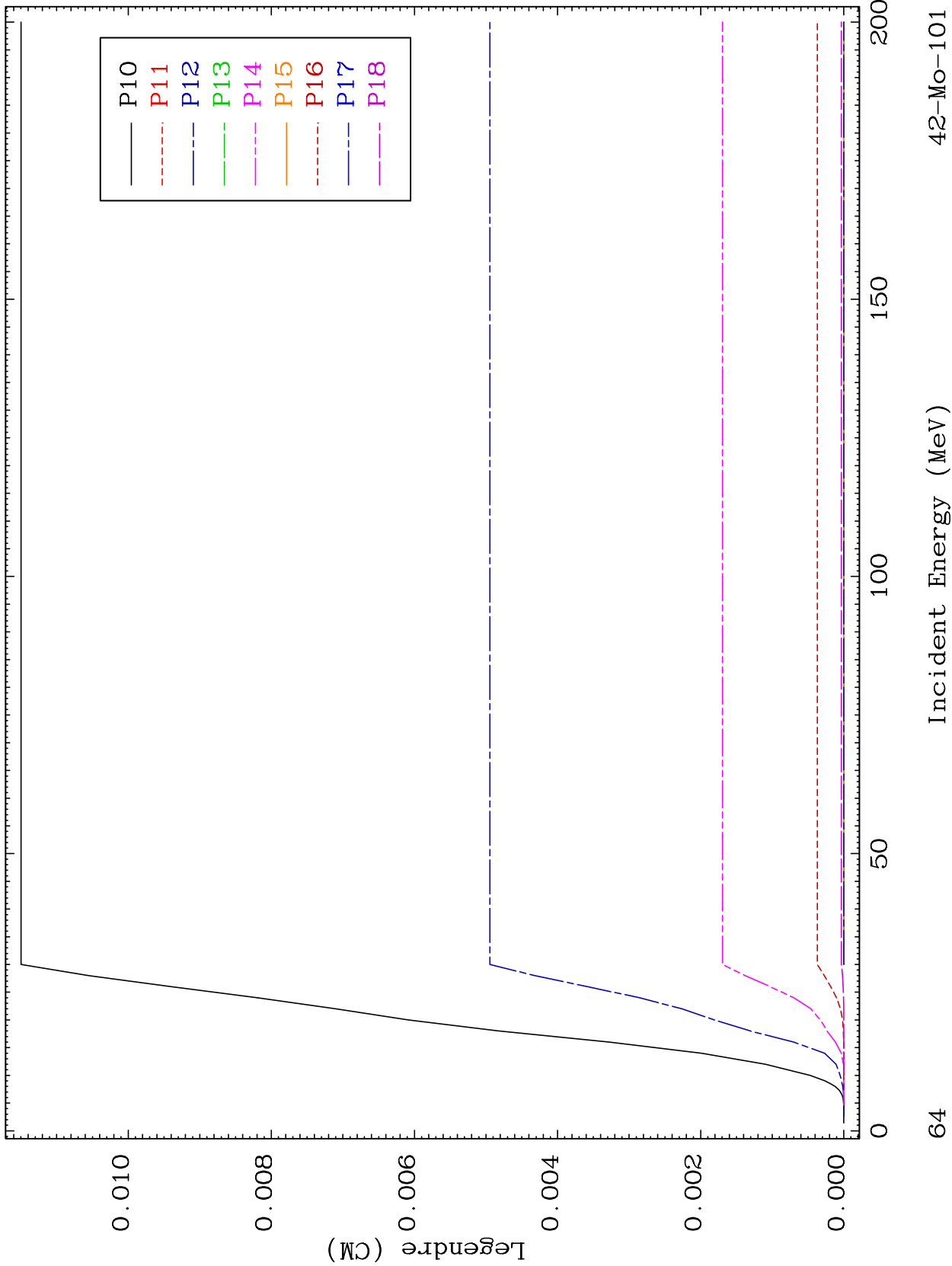




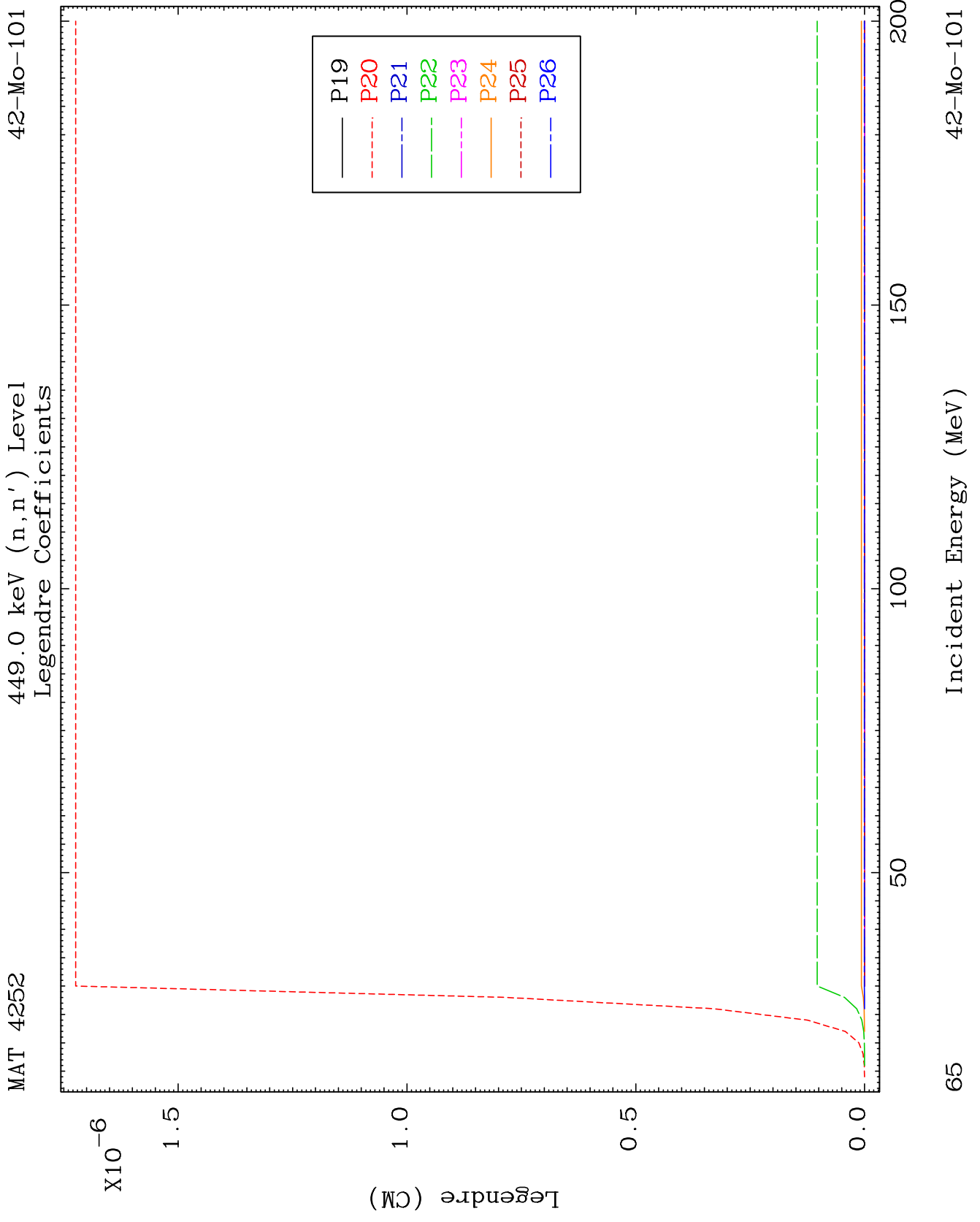
MAT 4252

449.0 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



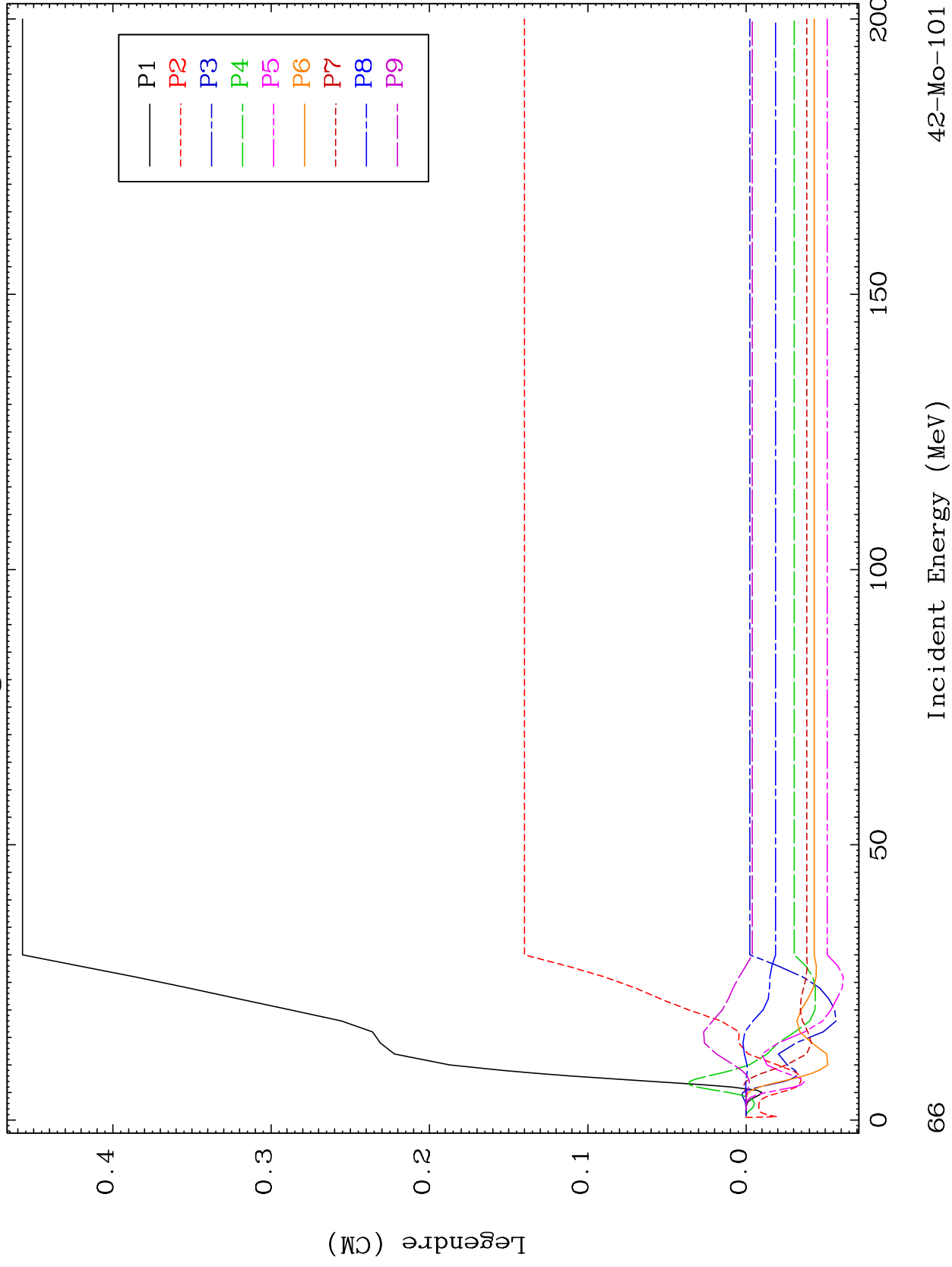
64



MAT 4252

454.5 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



66

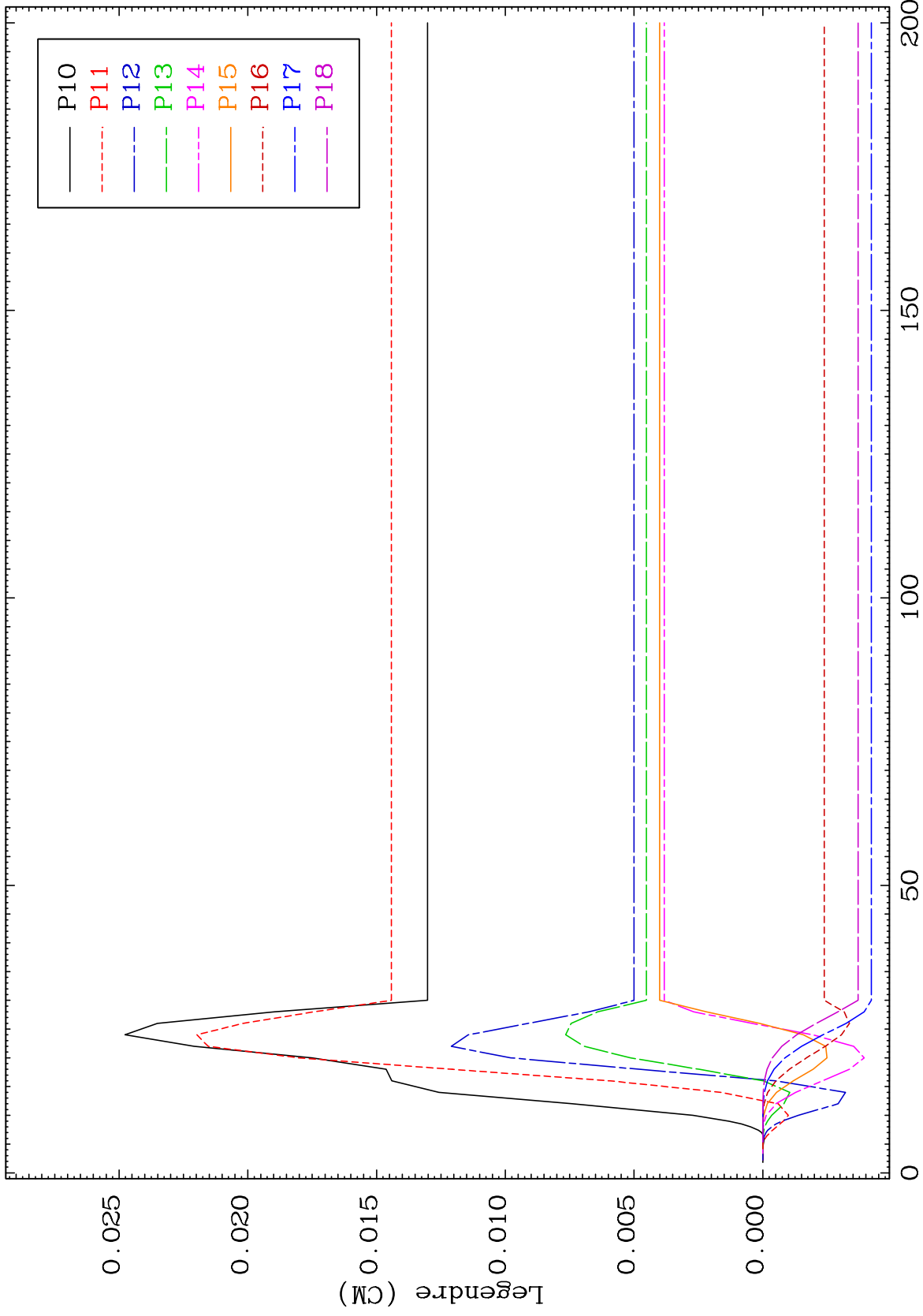
Incident Energy (MeV)

42-Mo-101

MAT 4252

454.5 keV (n,n') Level  
Legendre Coefficients

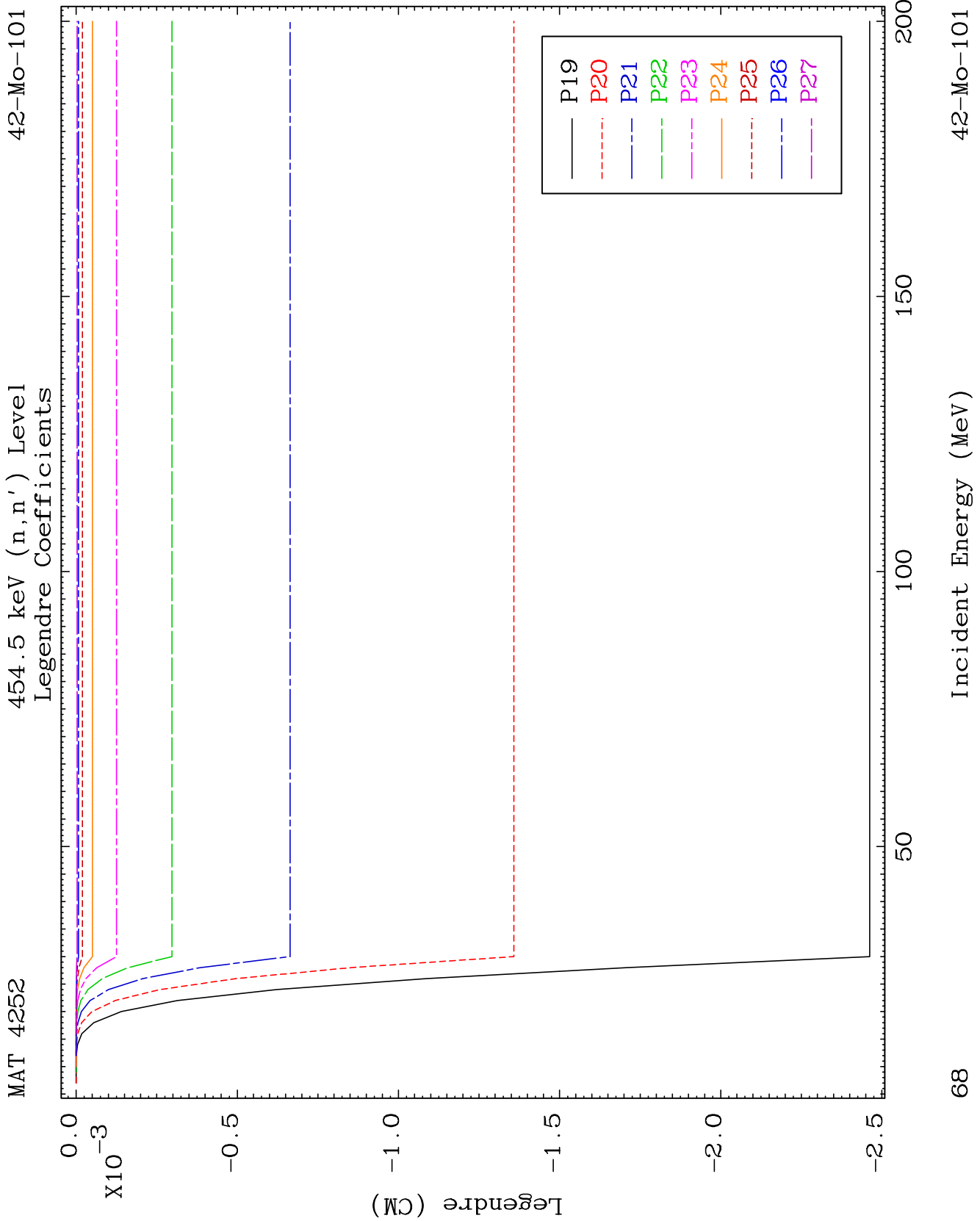
42-Mo-101

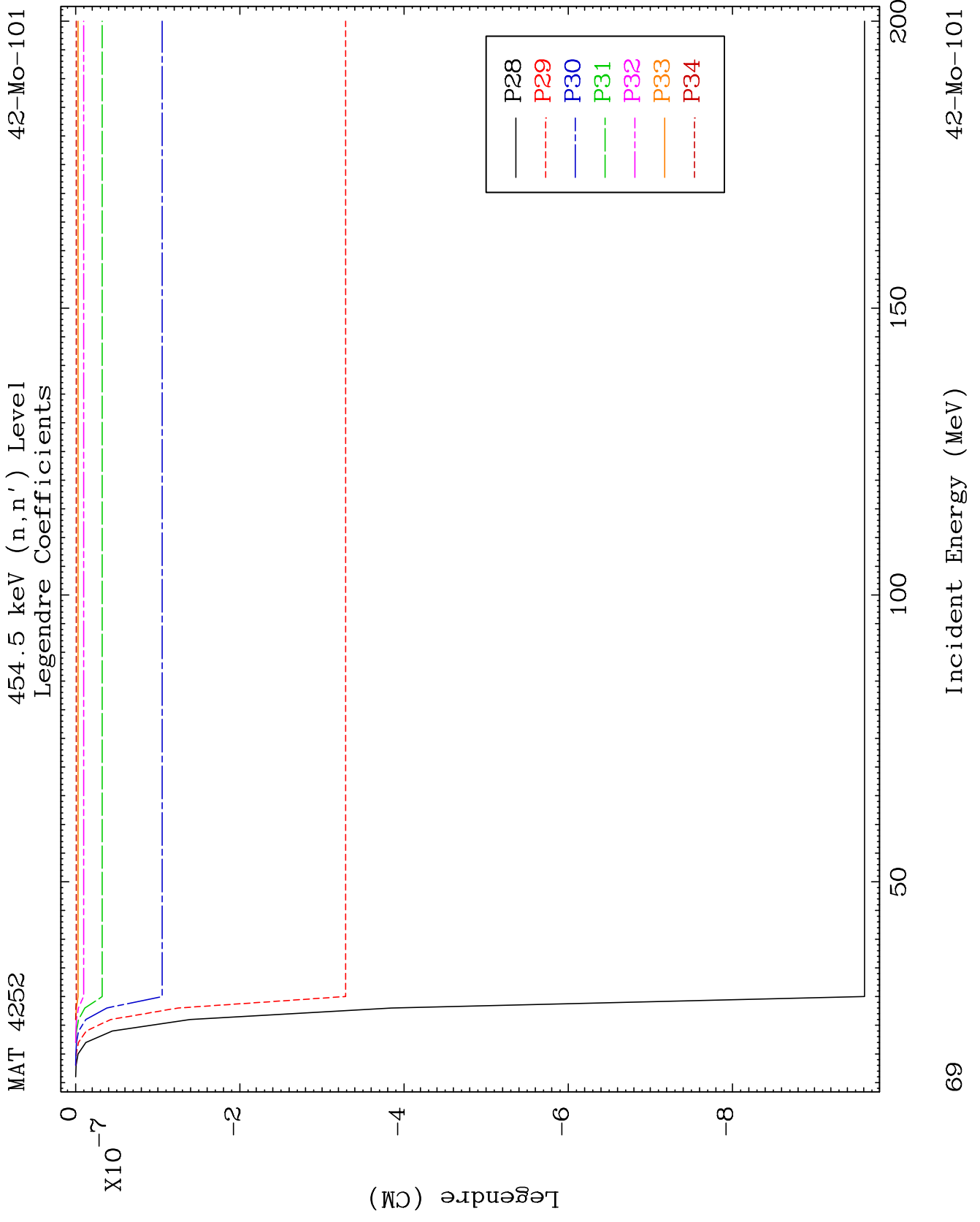


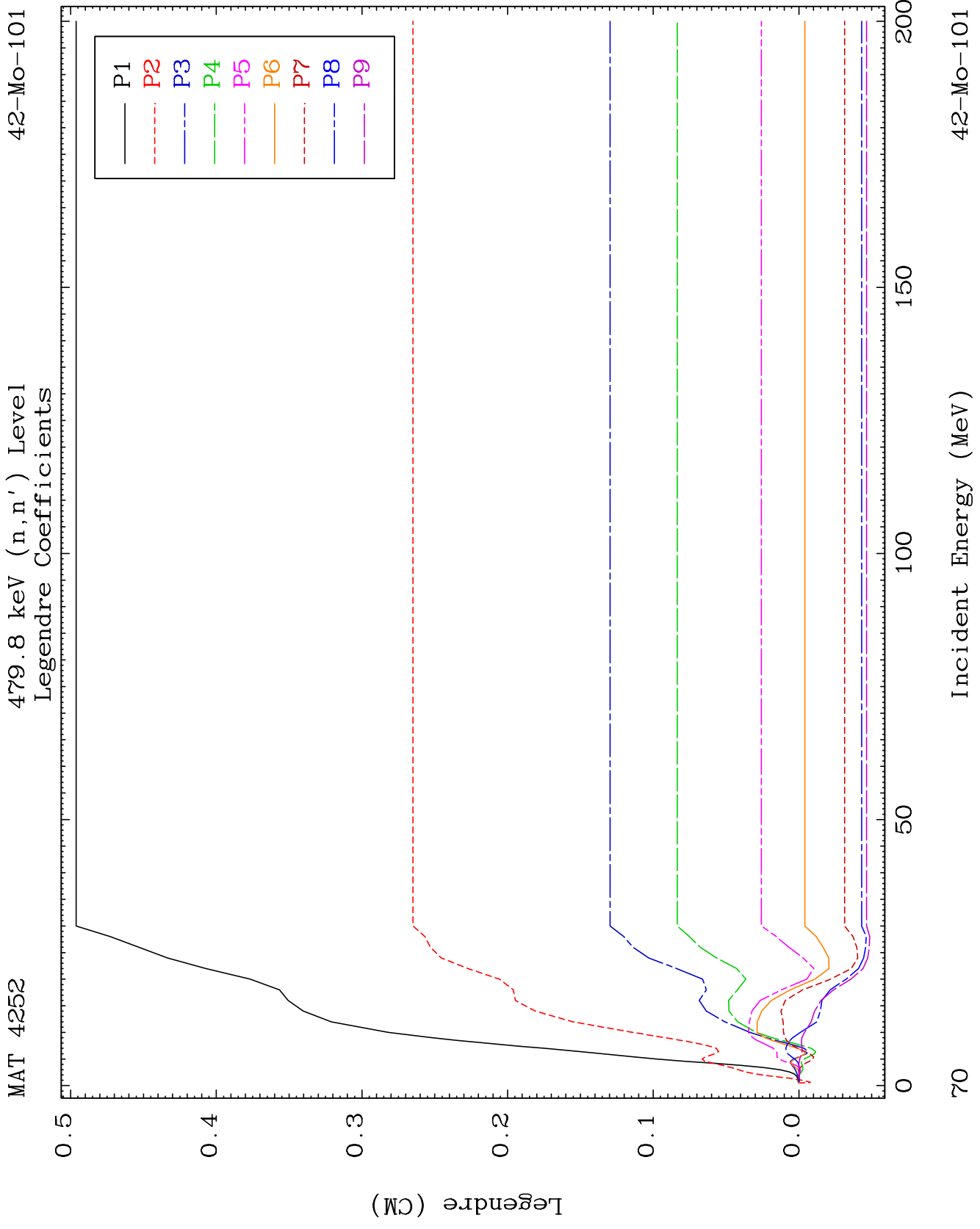
67

Incident Energy (MeV)

42-Mo-101



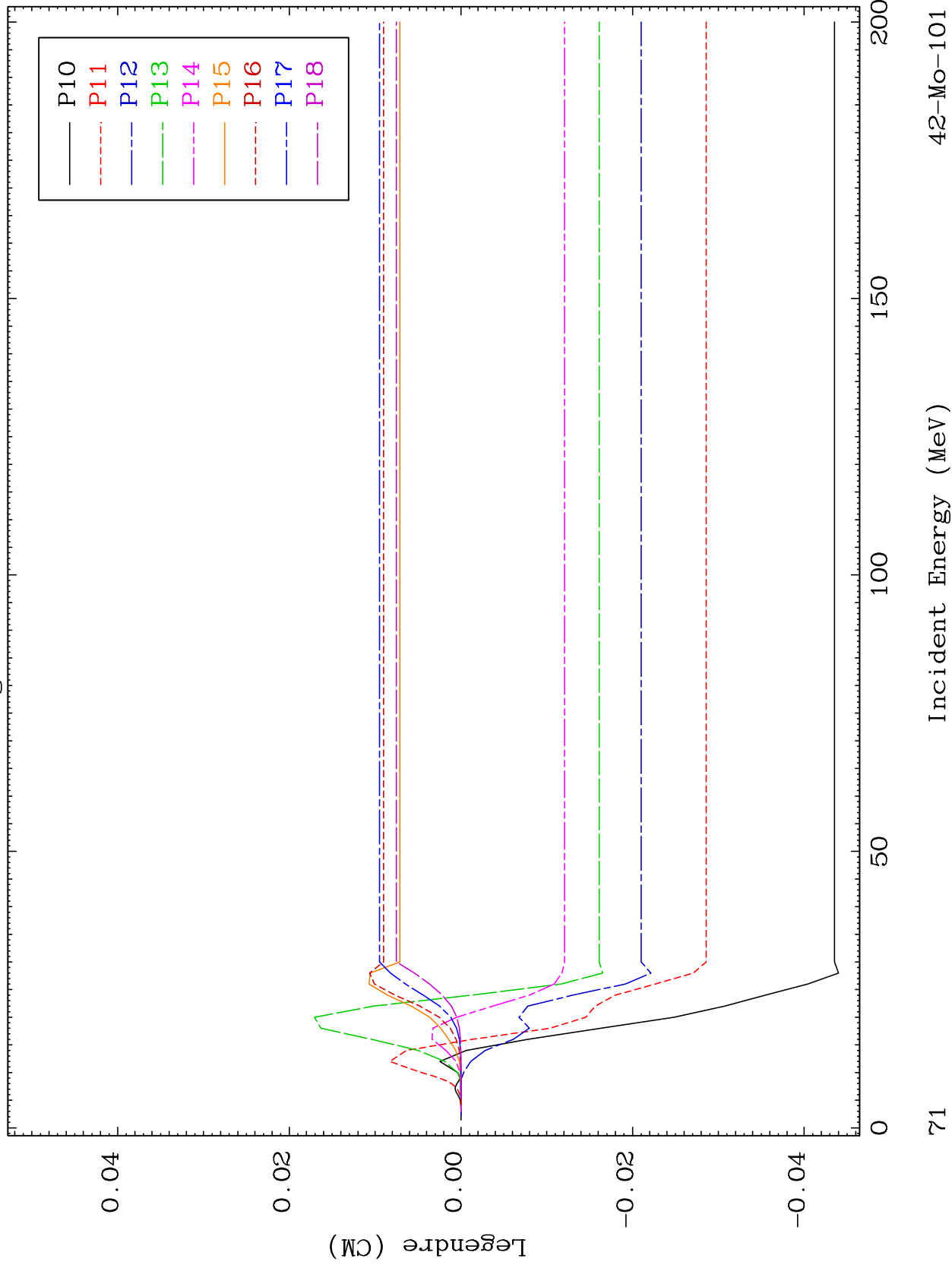




MAT 4252

479.8 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



71

Incident Energy (MeV)

42-Mo-101

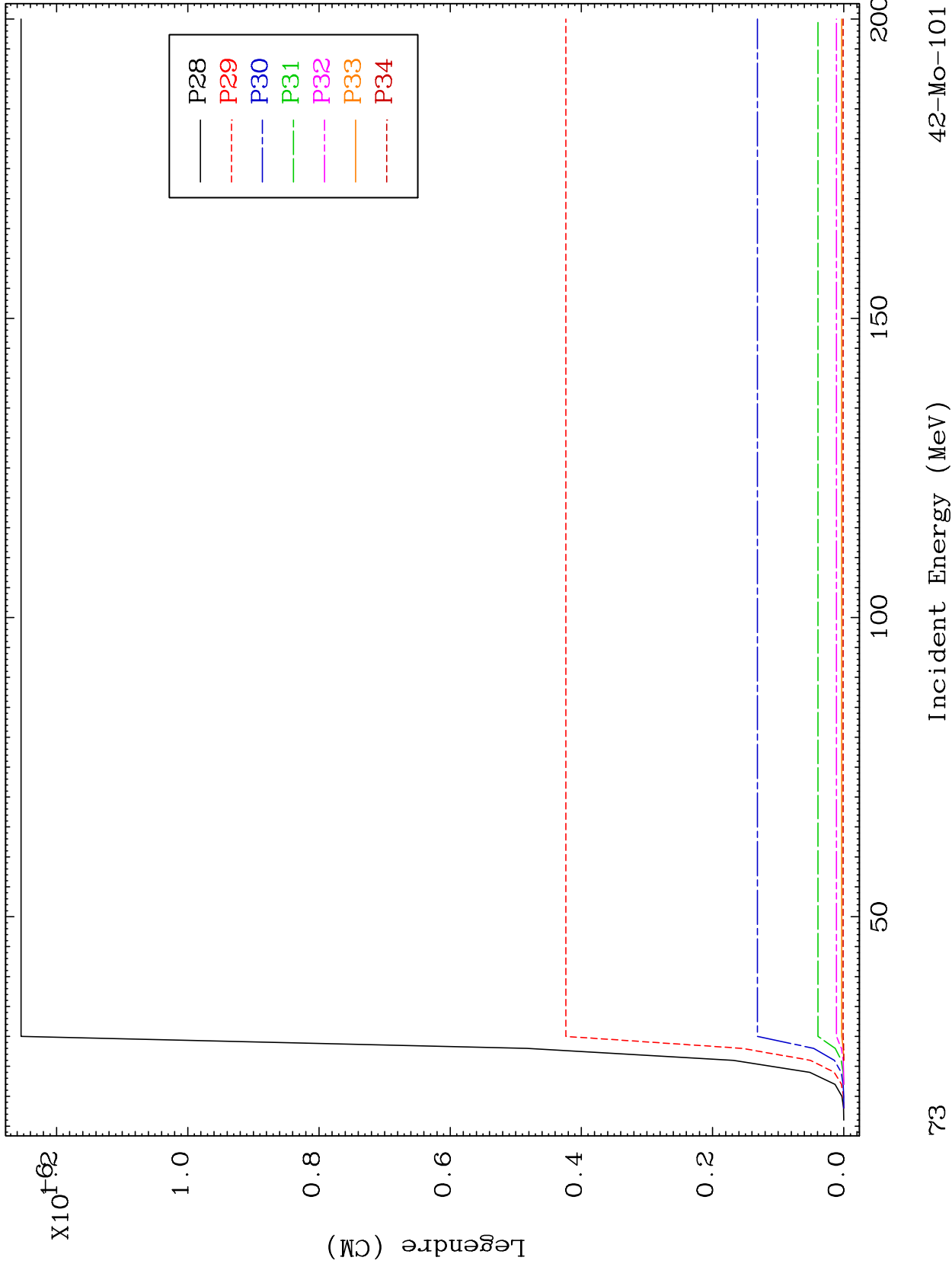




MAT 4252

479.8 keV (n,n') Level  
Legendre Coefficients

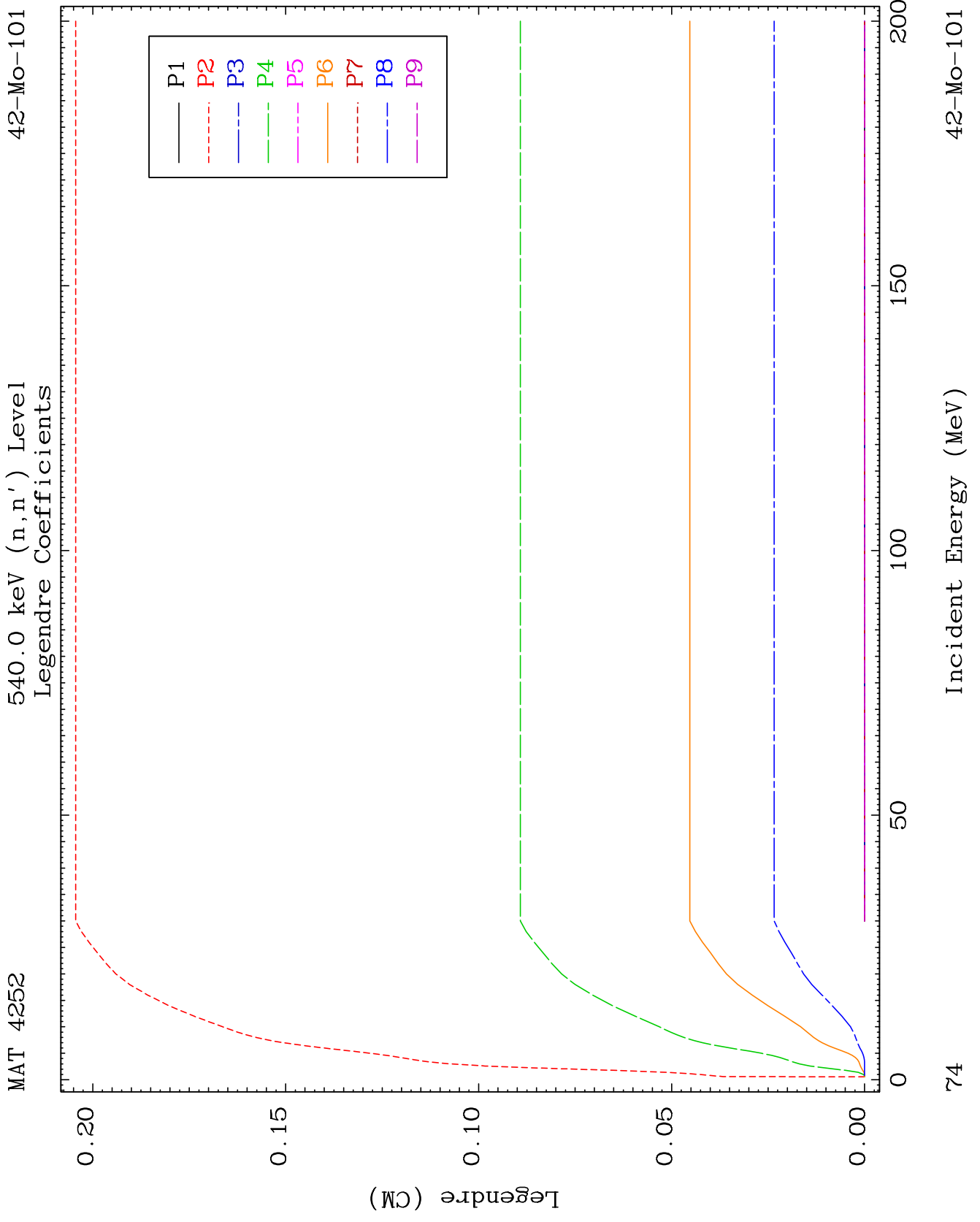
42-Mo-101



73

Incident Energy (MeV)

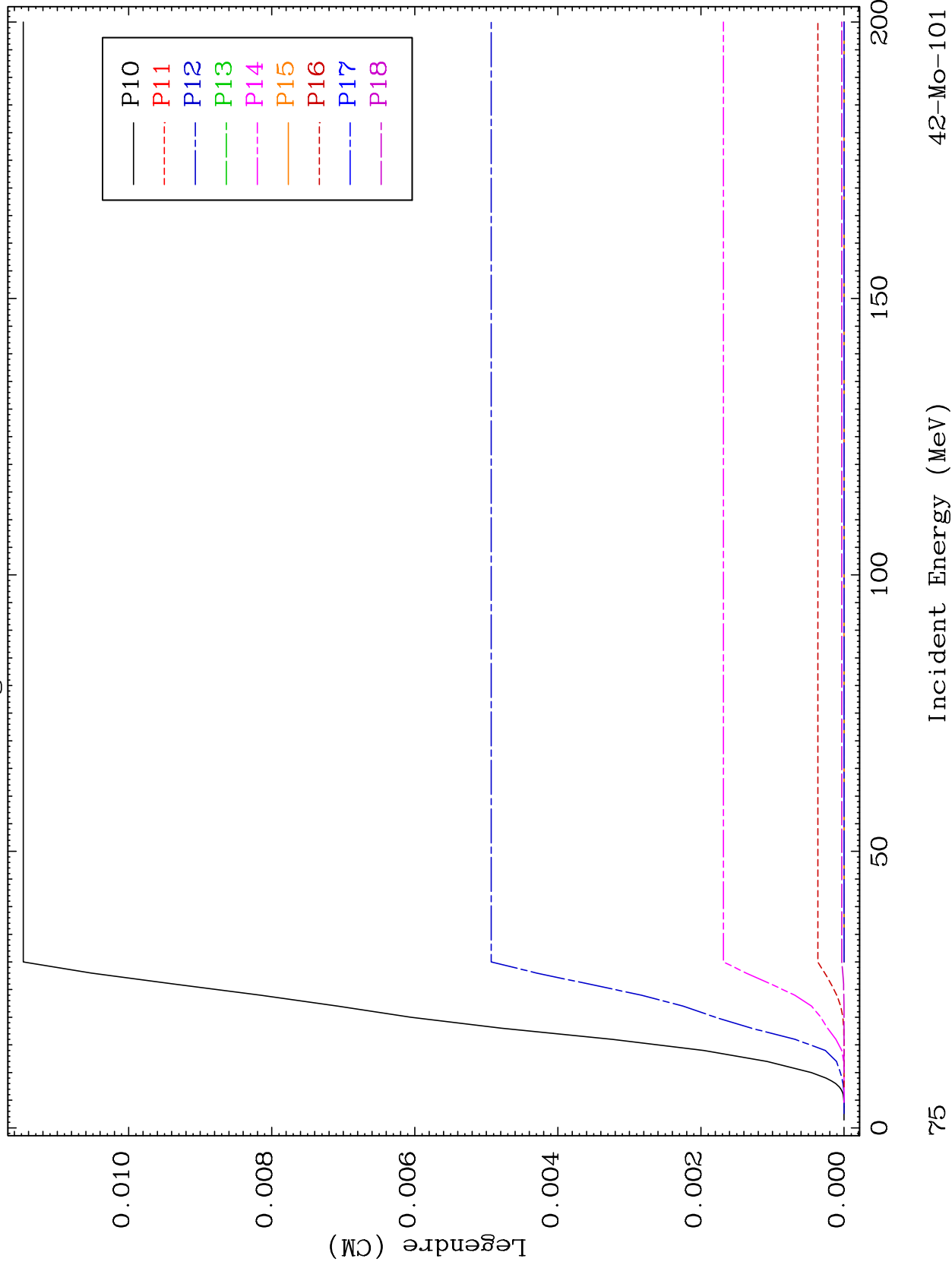
42-Mo-101



MAT 4252

540.0 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



42-Mo-101

Incident Energy (MeV)

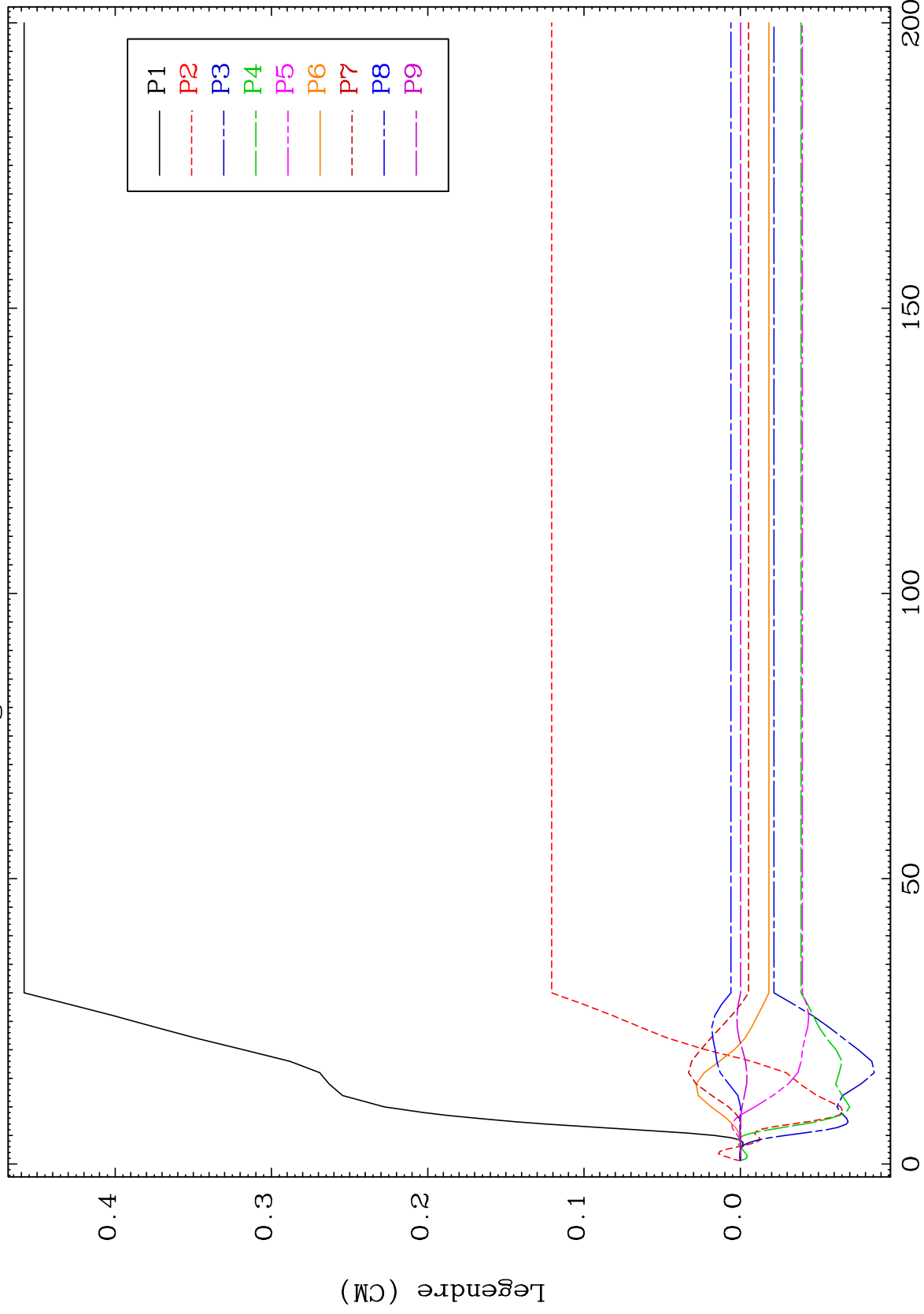
75



MAT 4252

563.5 keV (n,n') Level  
Legendre Coefficients

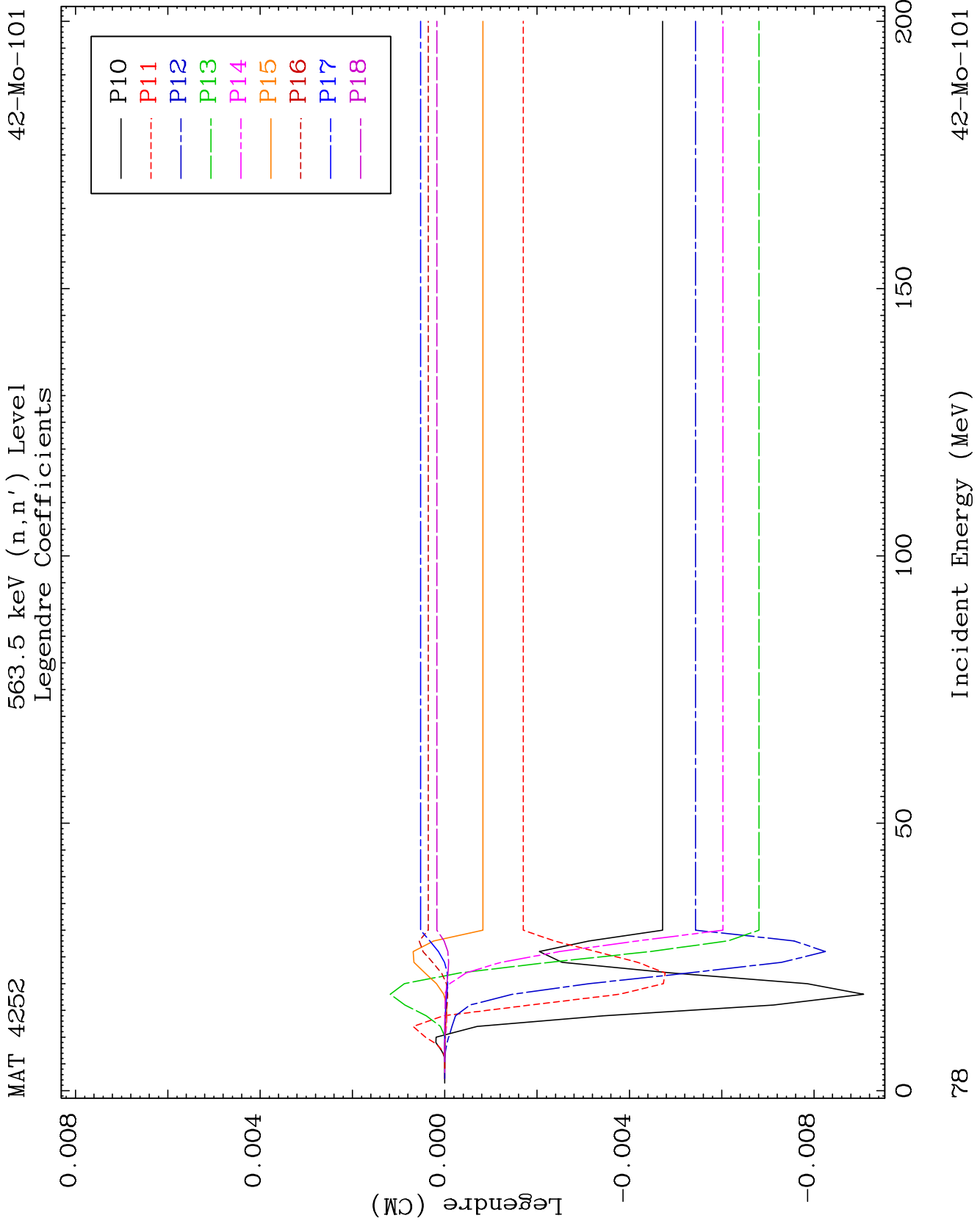
42-Mo-101



77

Incident Energy (MeV)

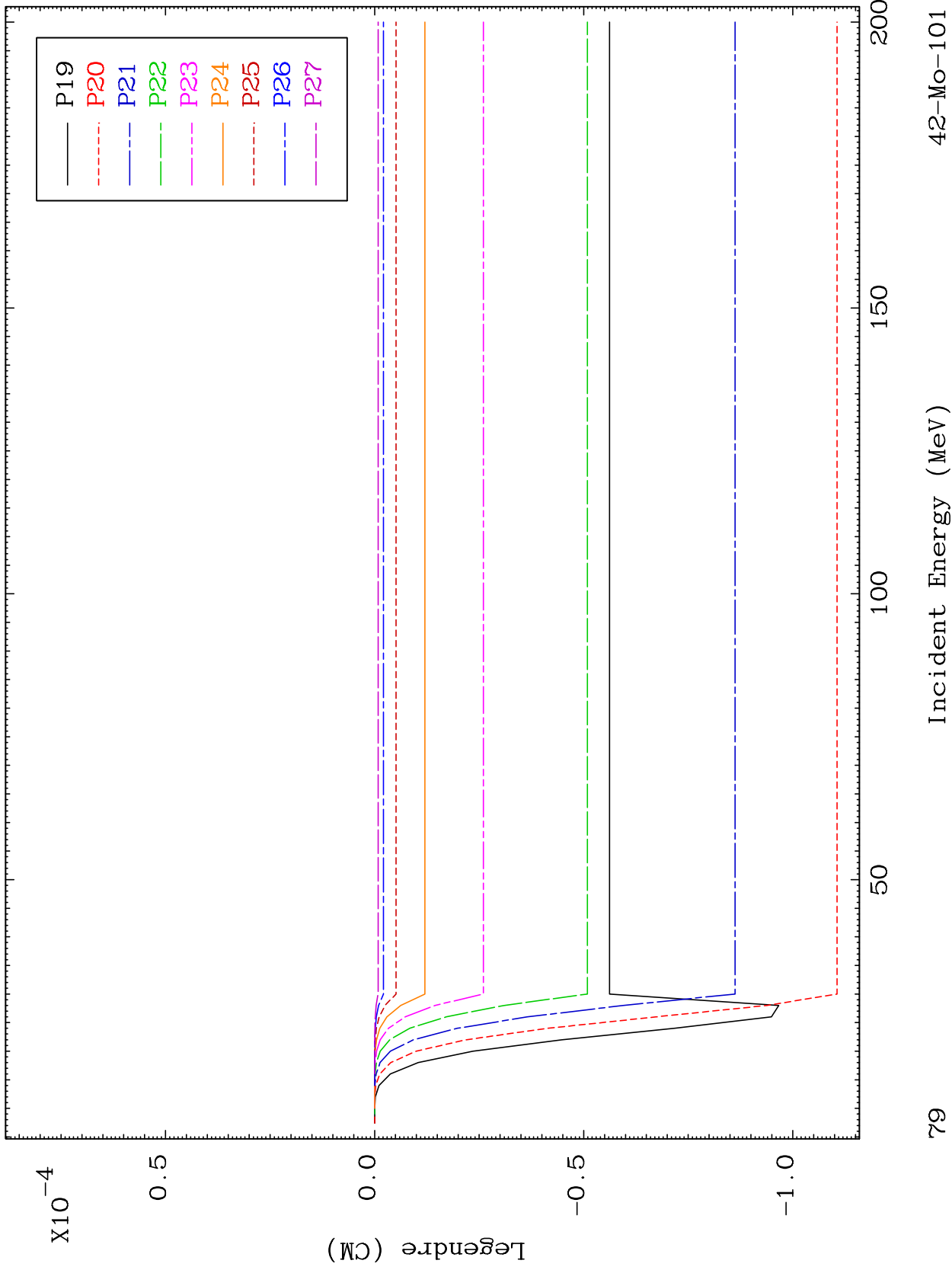
42-Mo-101



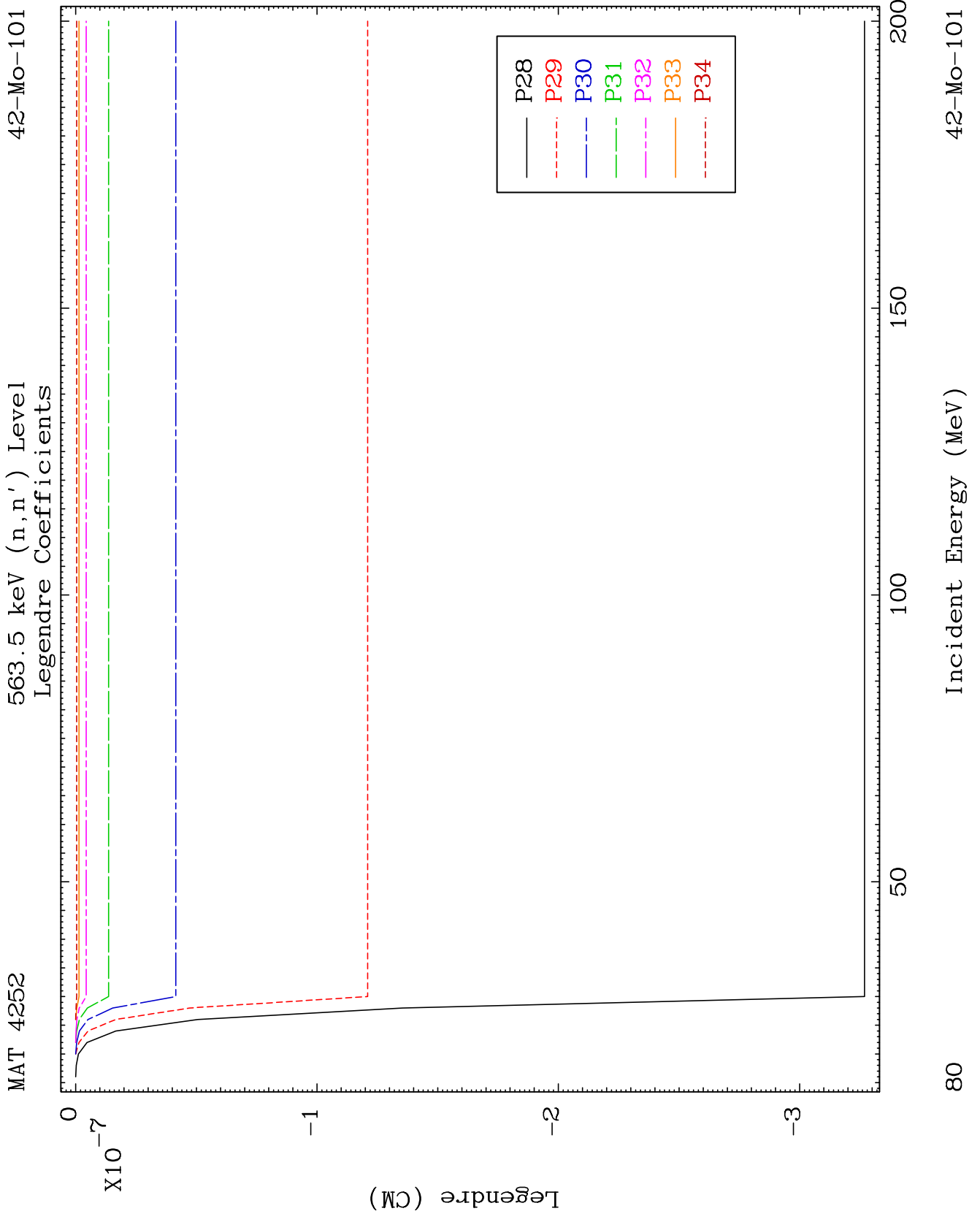
MAT 4252

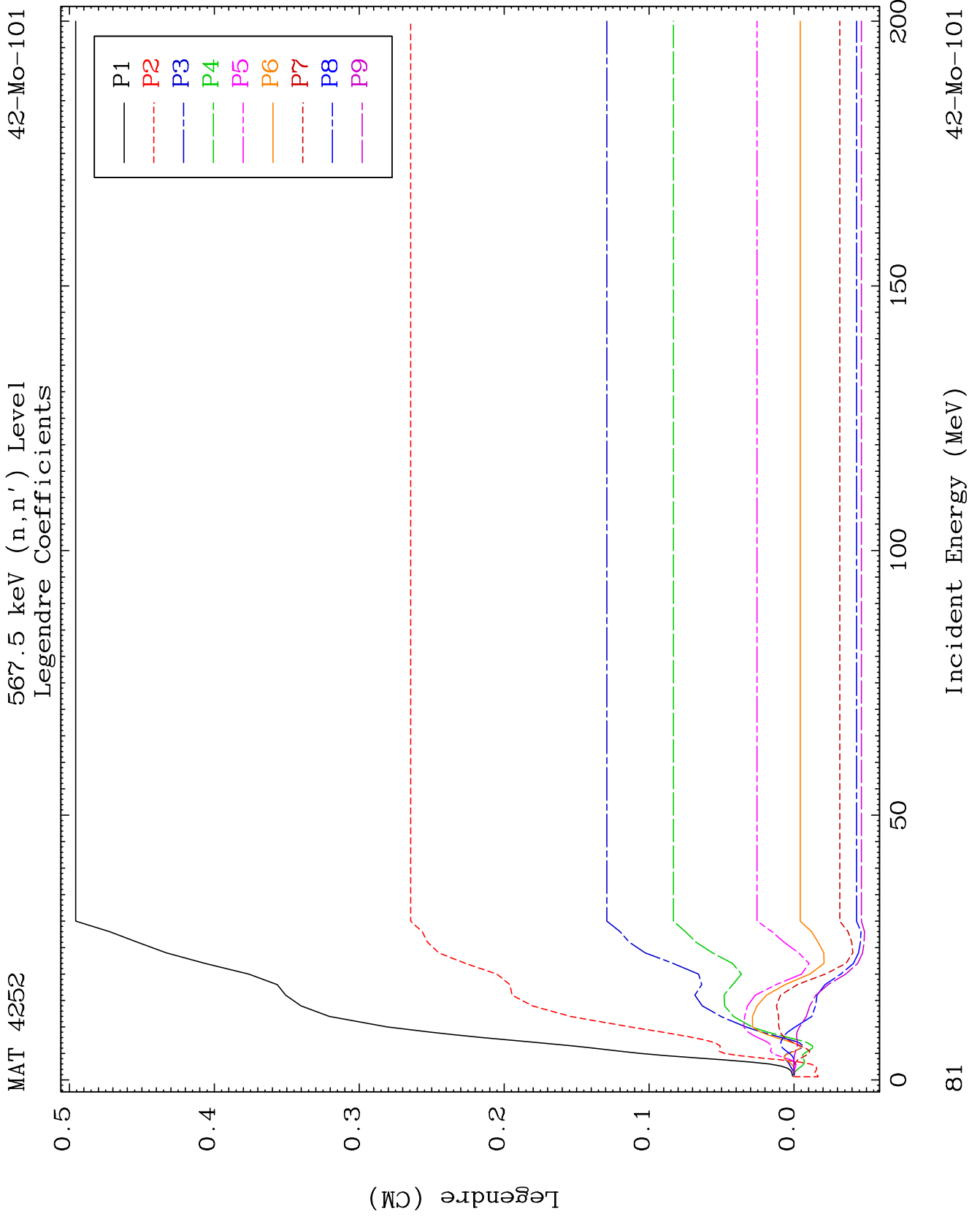
563.5 keV (n,n') Level  
Legendre Coefficients

42-Mo-101





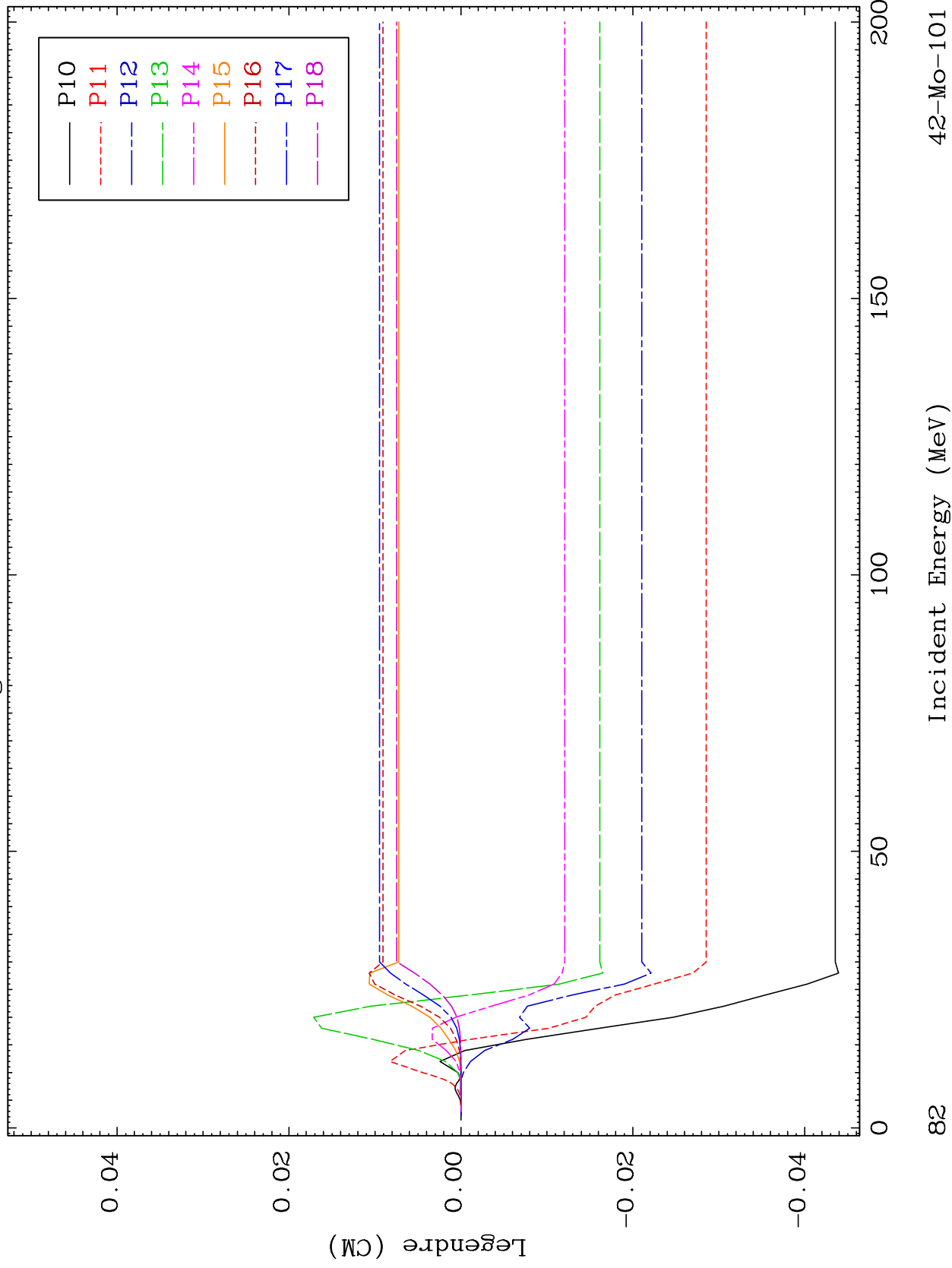


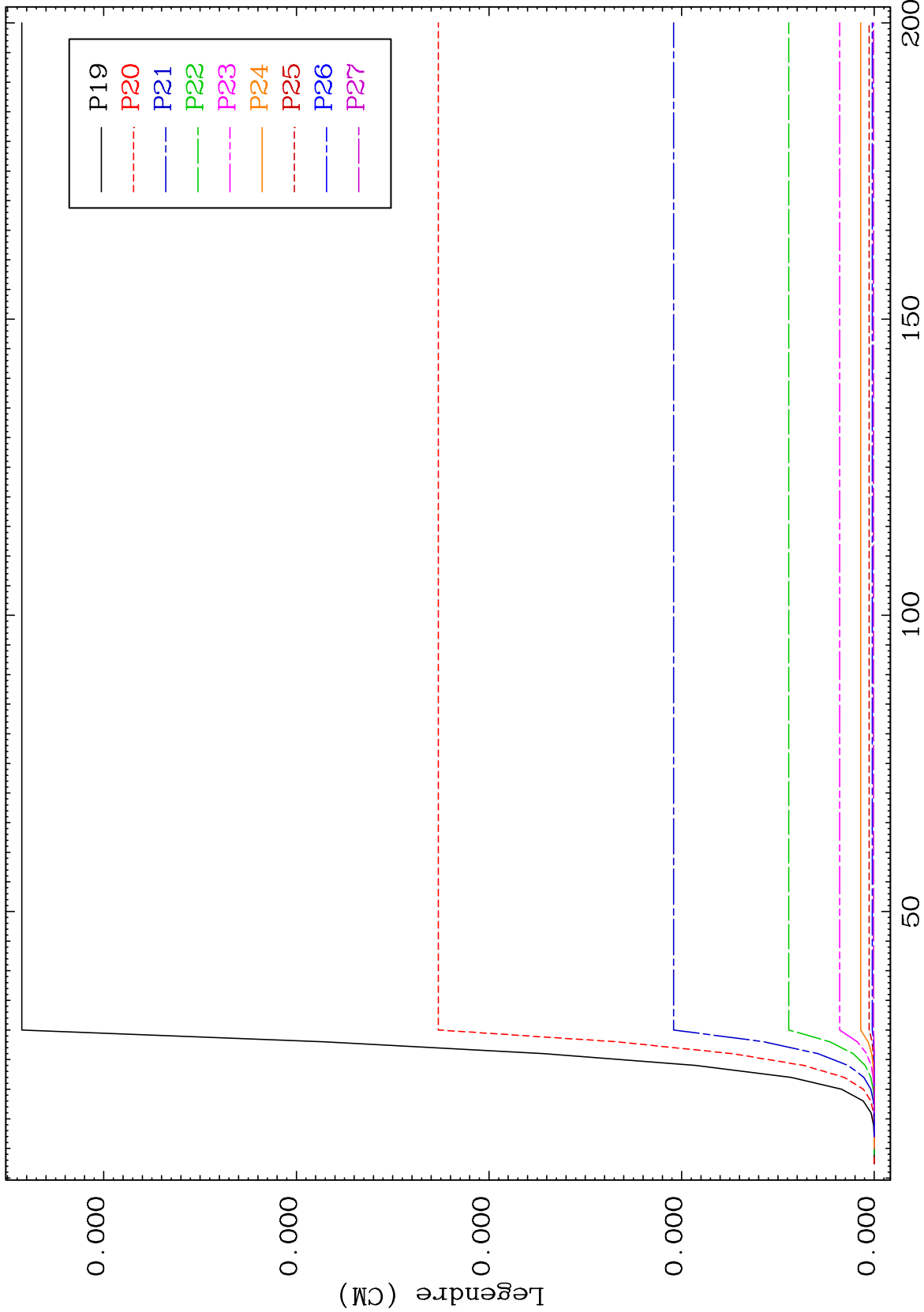


MAT 4252

567.5 keV (n,n') Level  
Legendre Coefficients

42-Mo-101

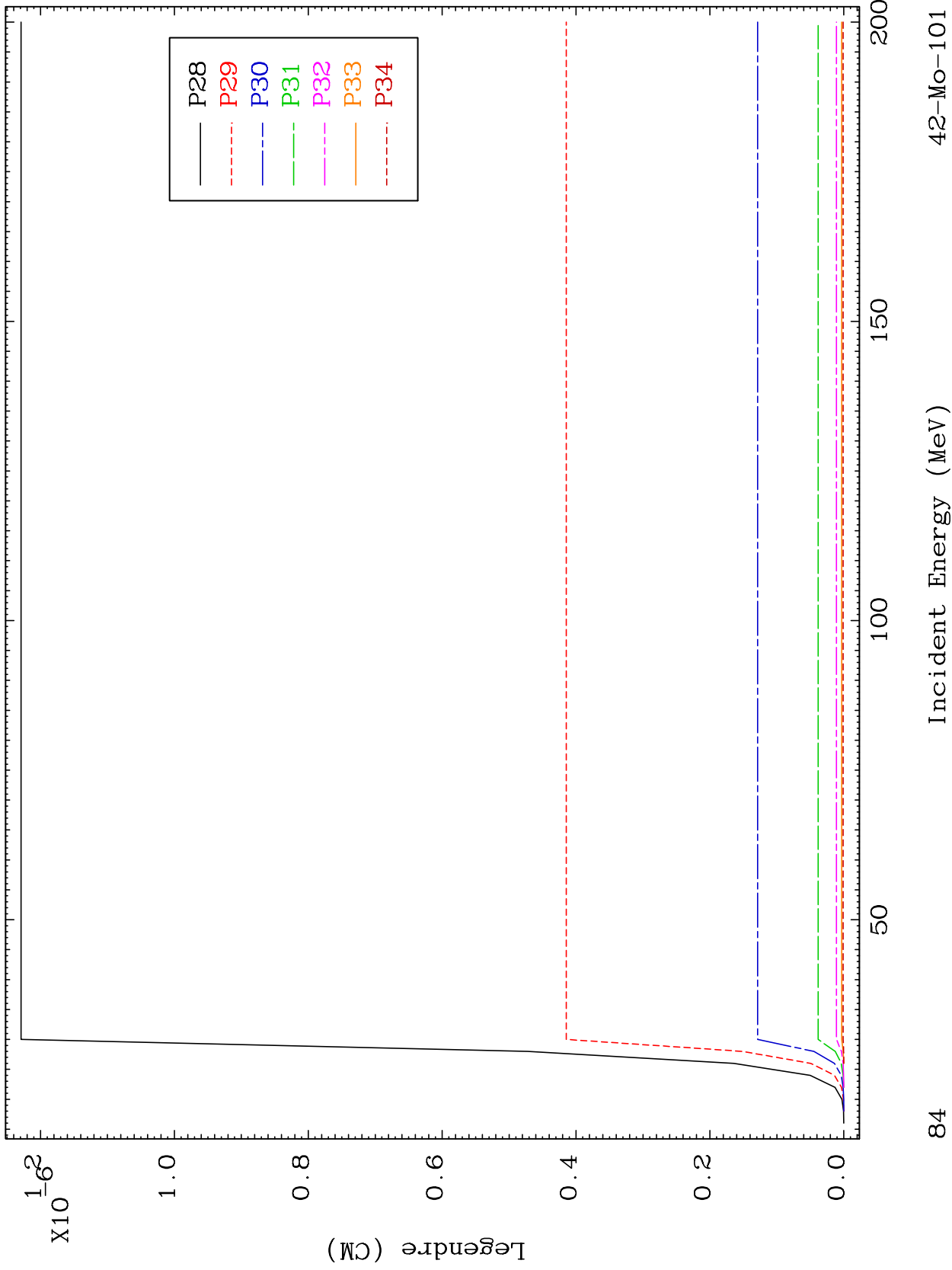


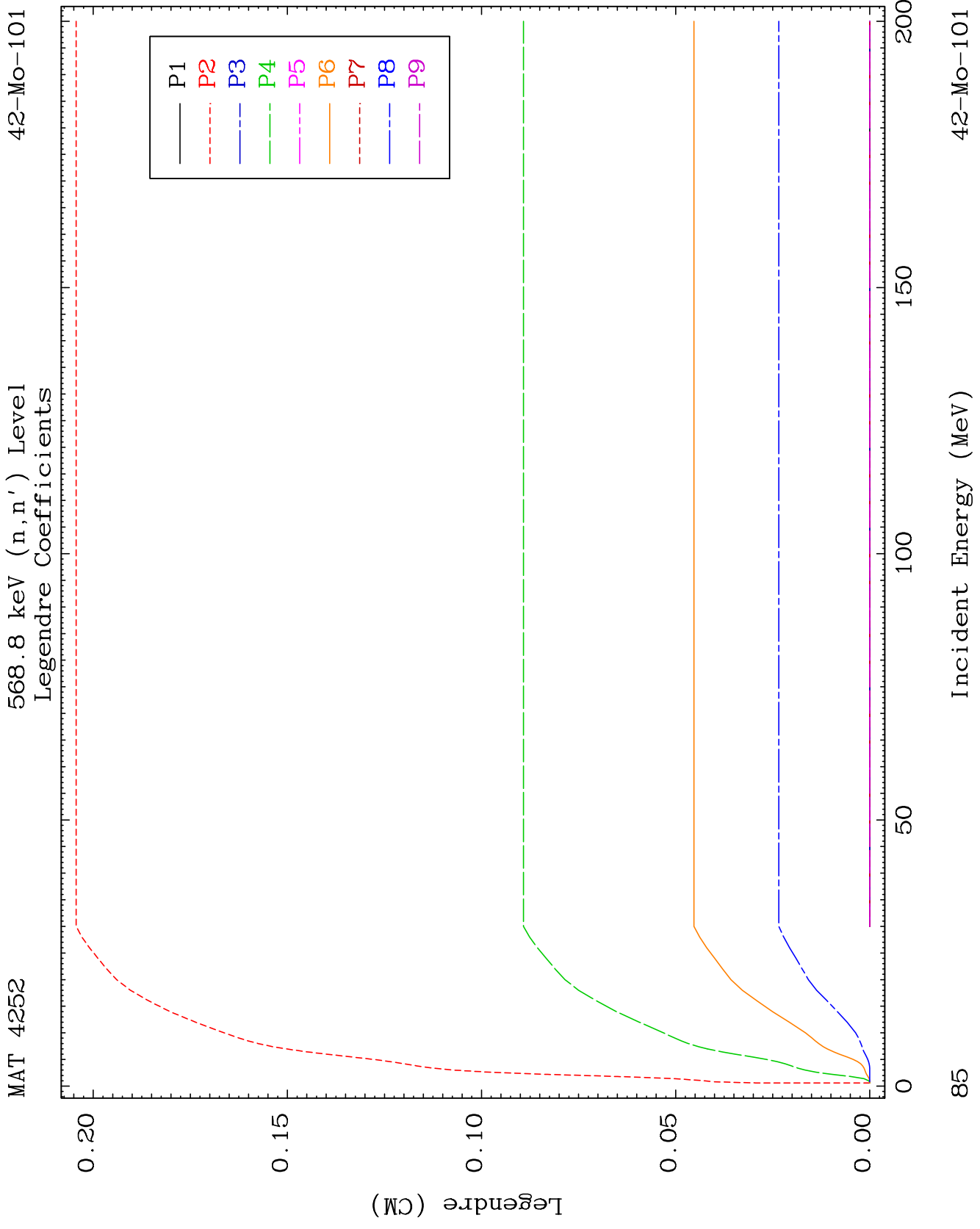


MAT 4252

567.5 keV (n,n') Level  
Legendre Coefficients

42-Mo-101

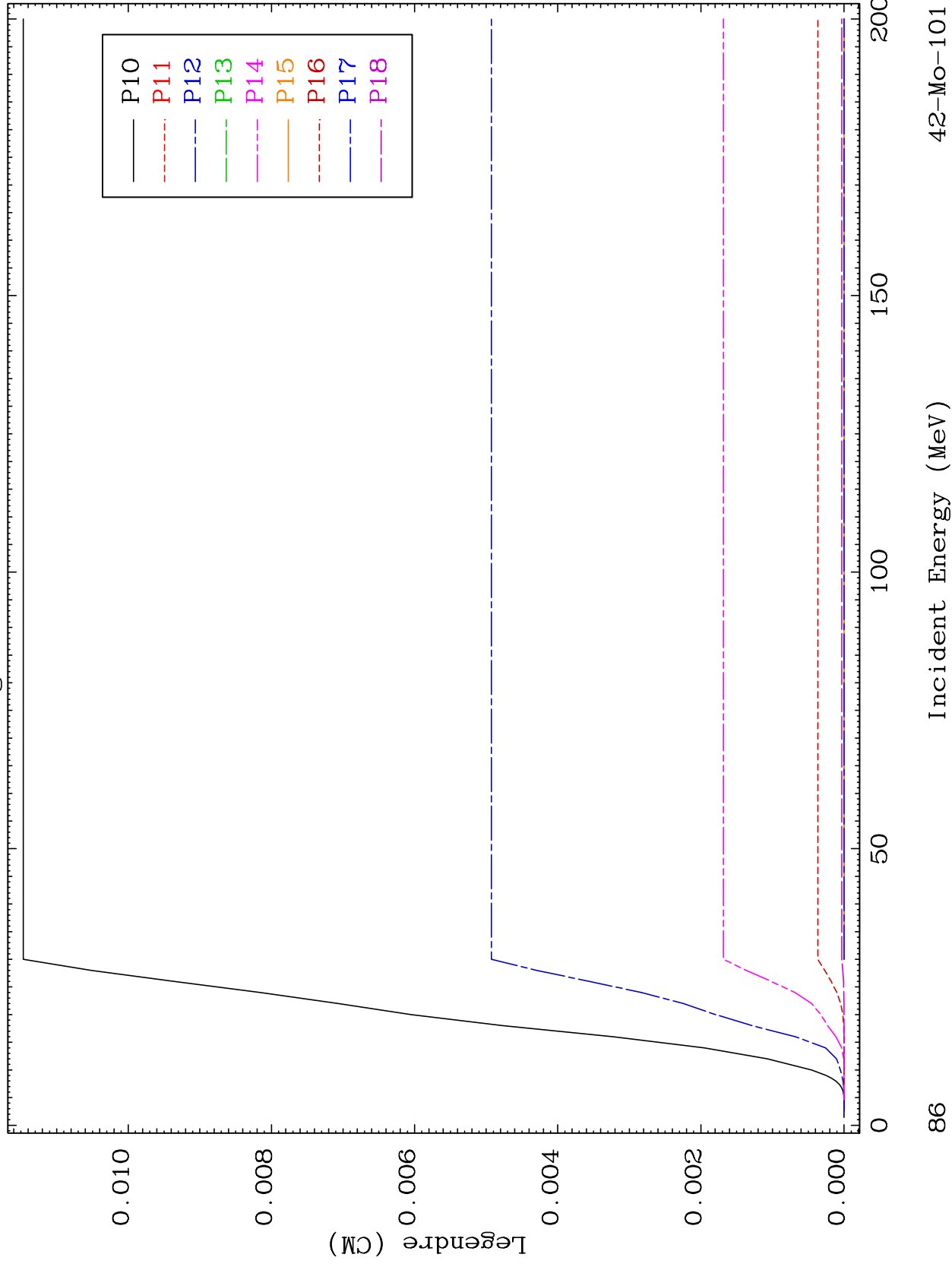




MAT 4252

568.8 keV (n, n') Level  
Legendre Coefficients

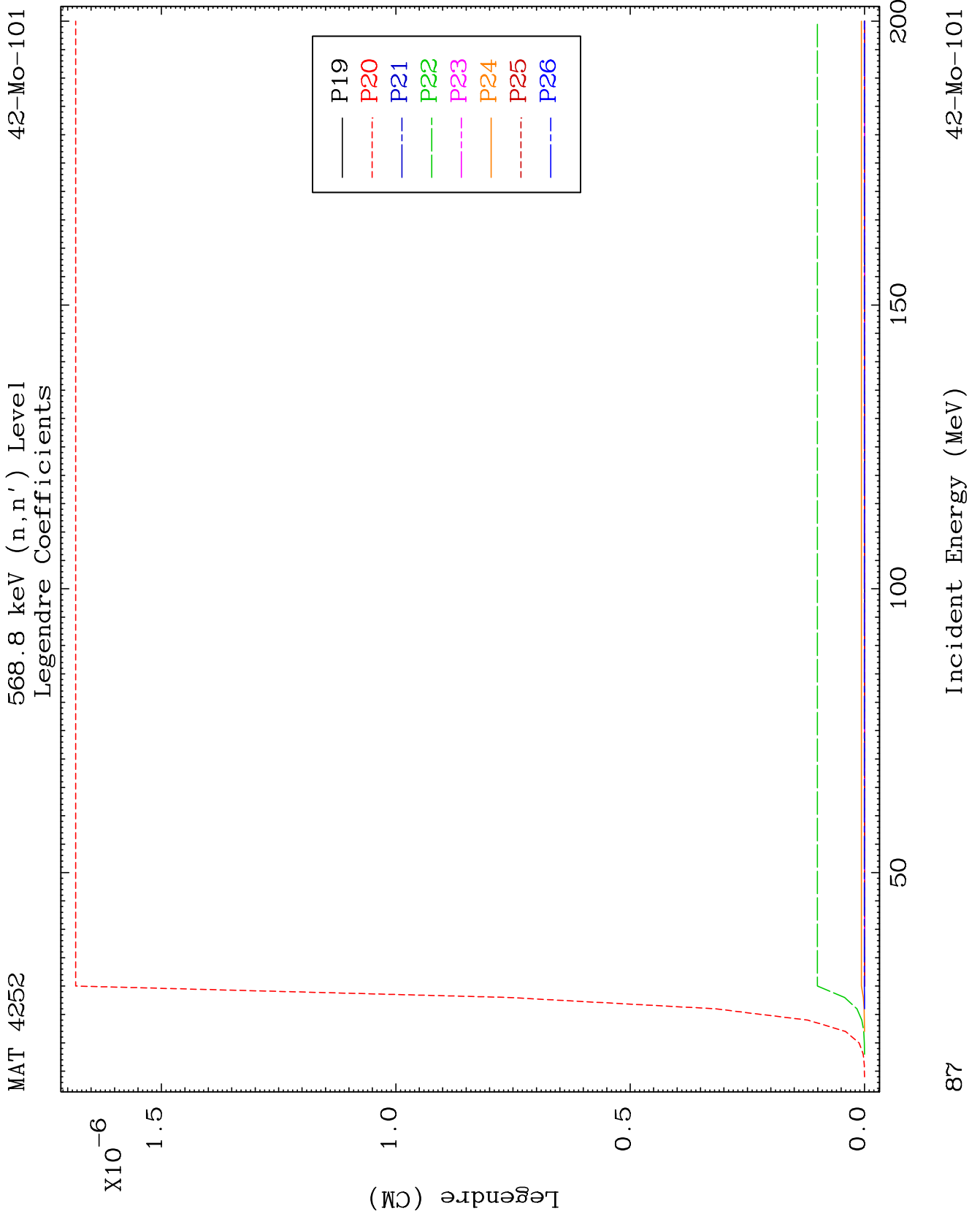
42-Mo-101



86

Incident Energy (MeV)

42-Mo-101

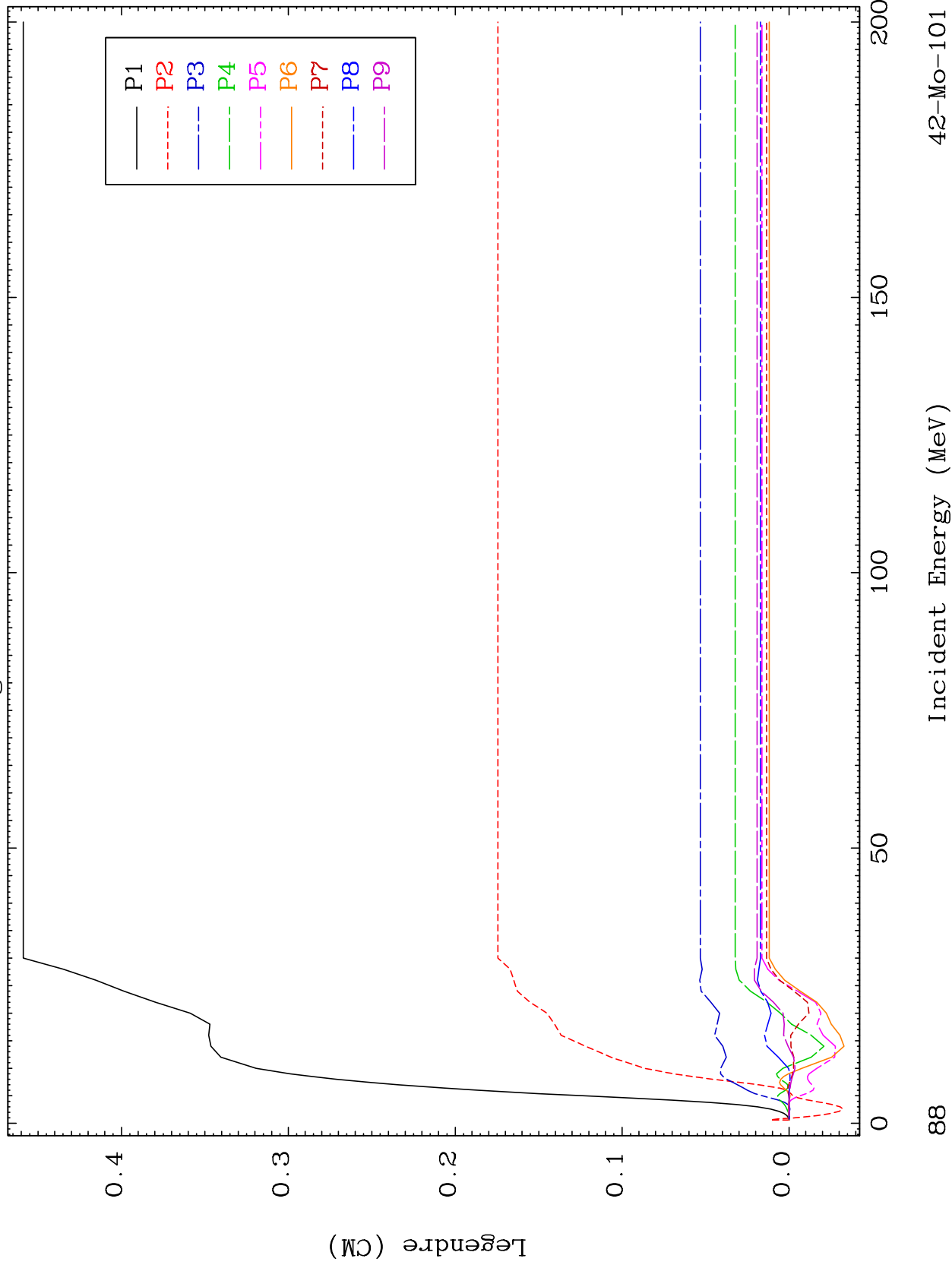




MAT 4252

583.4 keV (n,n') Level  
Legendre Coefficients

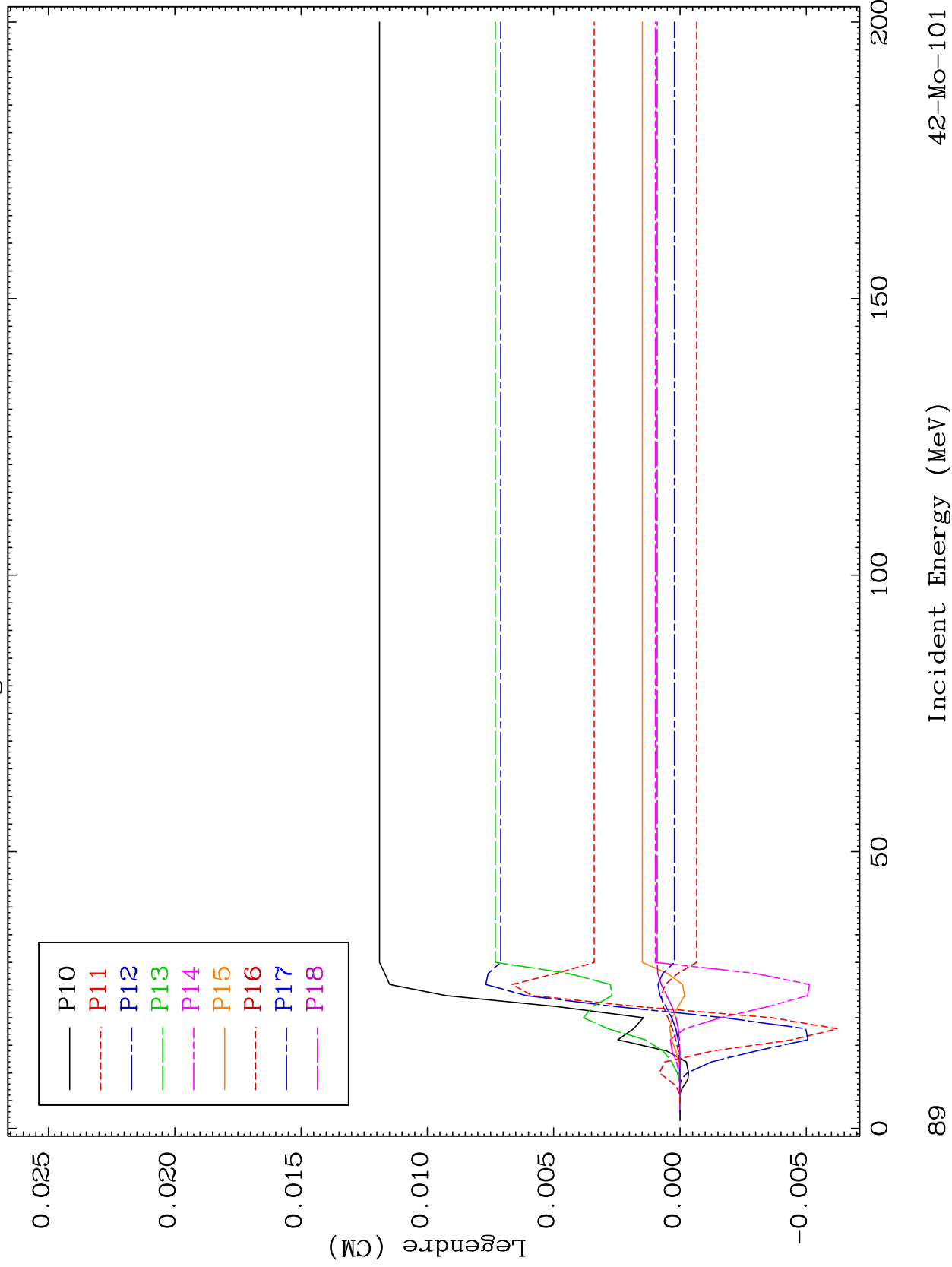
42-Mo-101



42-Mo-101

Incident Energy (MeV)

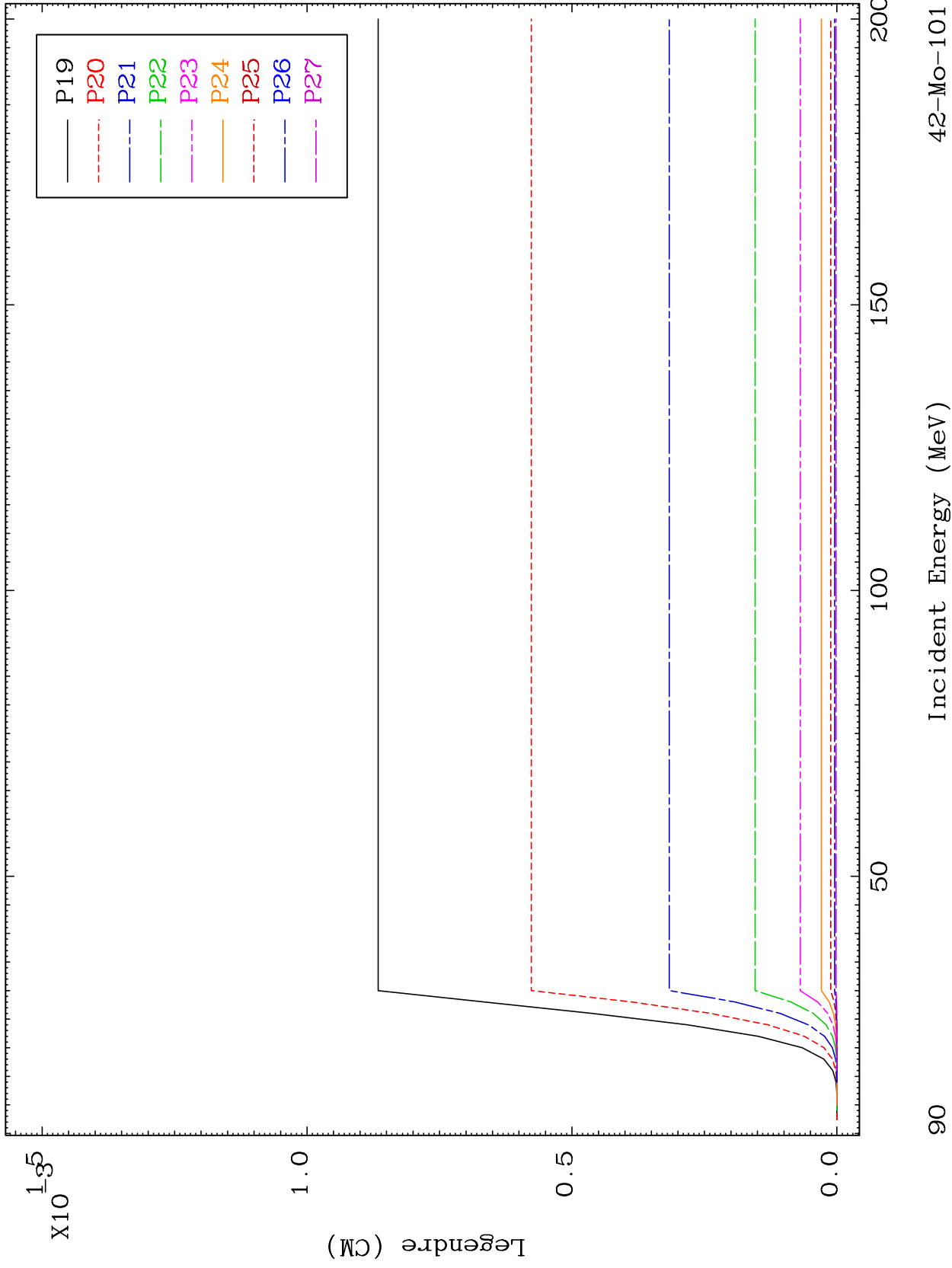
88



MAT 4252

583.4 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



90

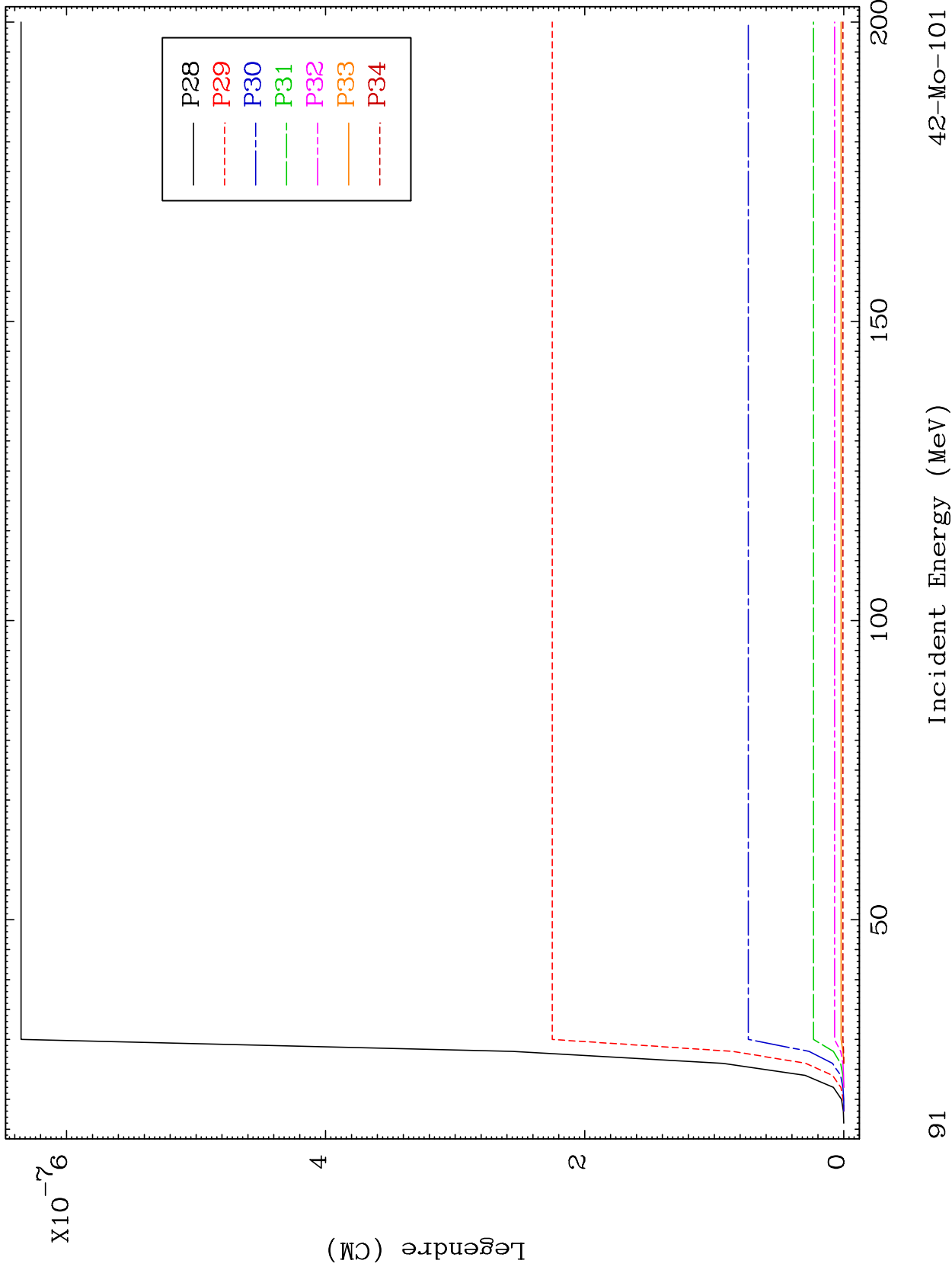
Incident Energy (MeV)

42-Mo-101

MAT 4252

583.4 keV (n,n') Level  
Legendre Coefficients

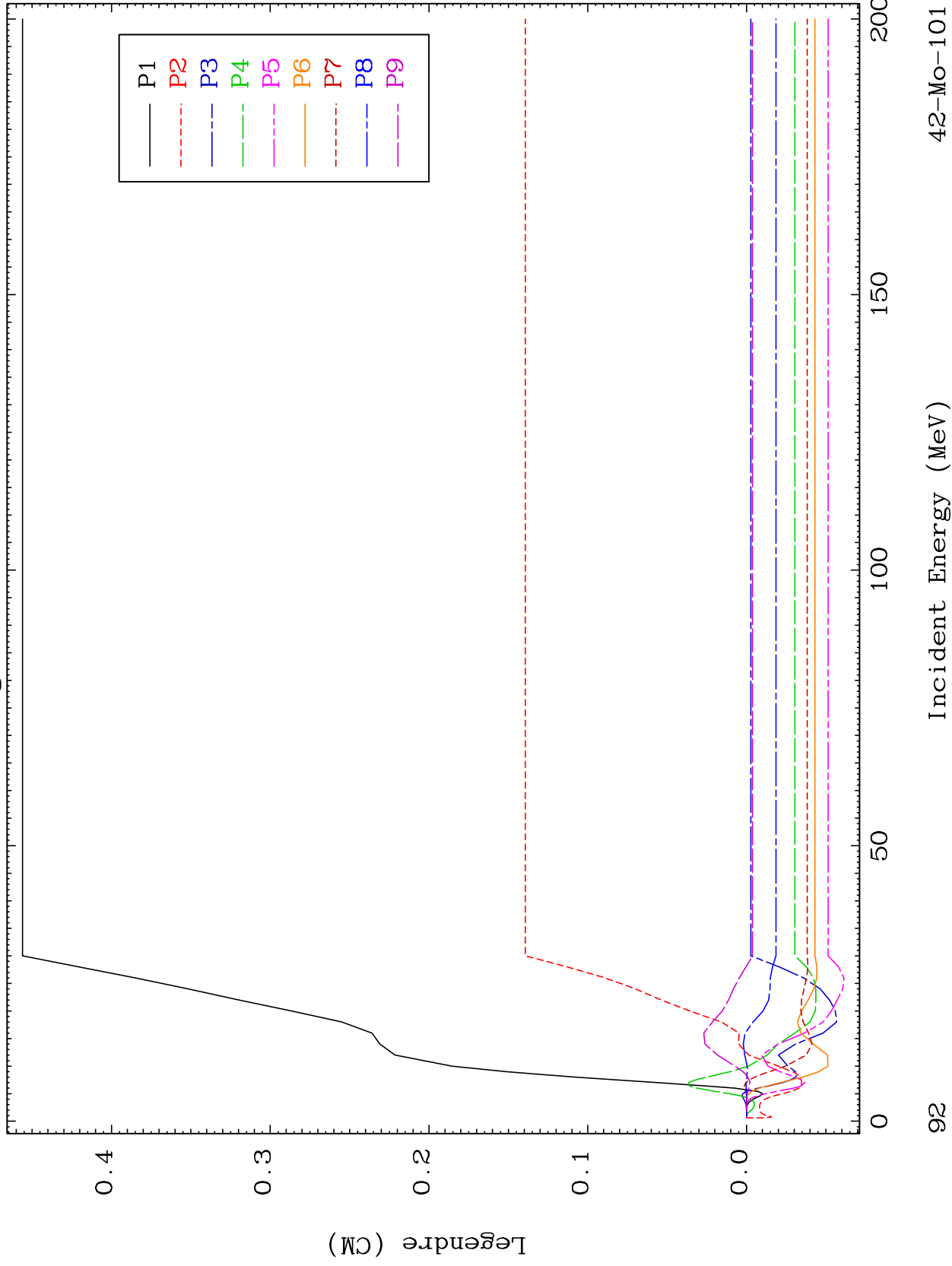
42-Mo-101



MAT 4252

586.5 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



92

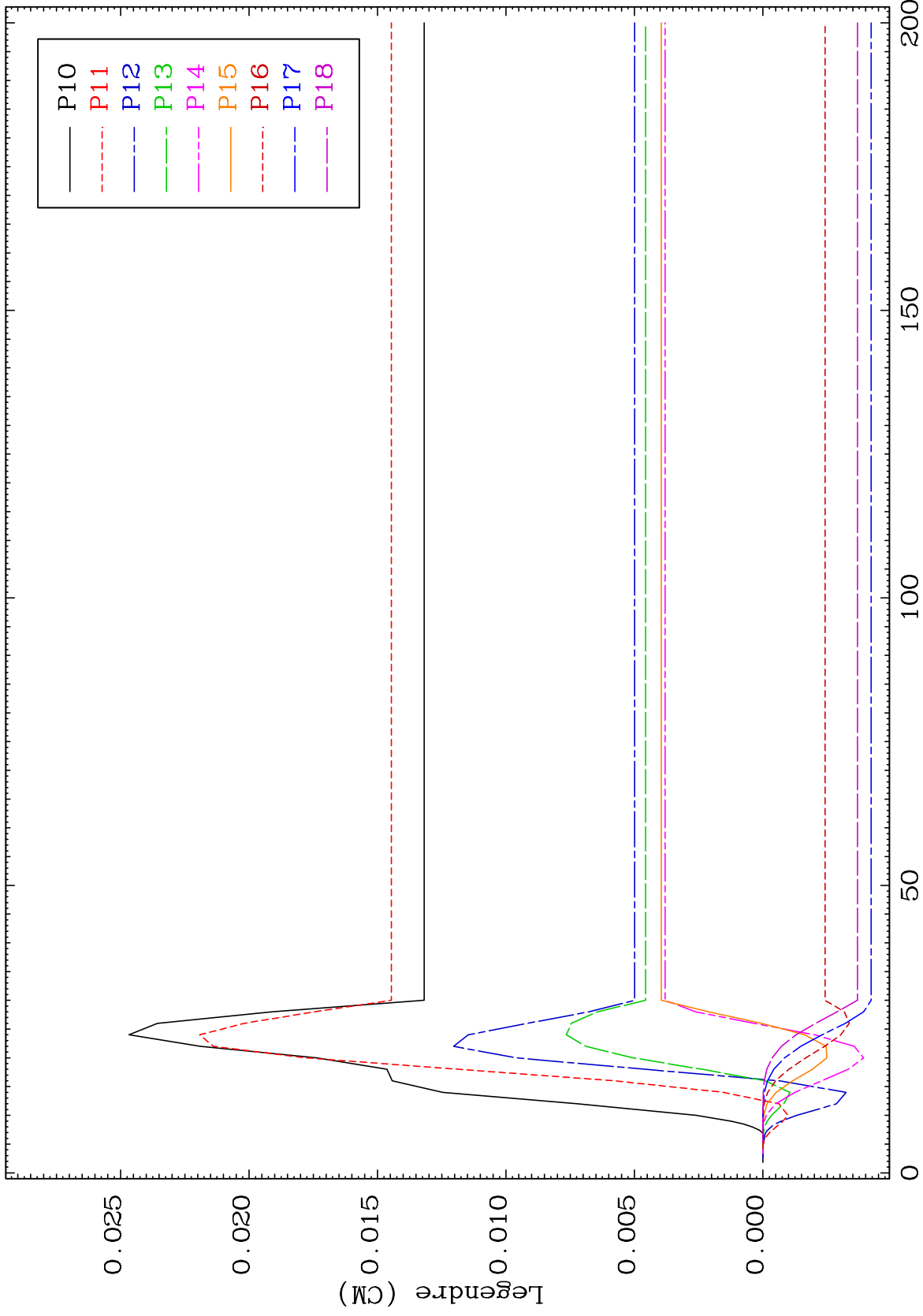
Incident Energy (MeV)

42-Mo-101

MAT 4252

586.5 keV (n,n') Level  
Legendre Coefficients

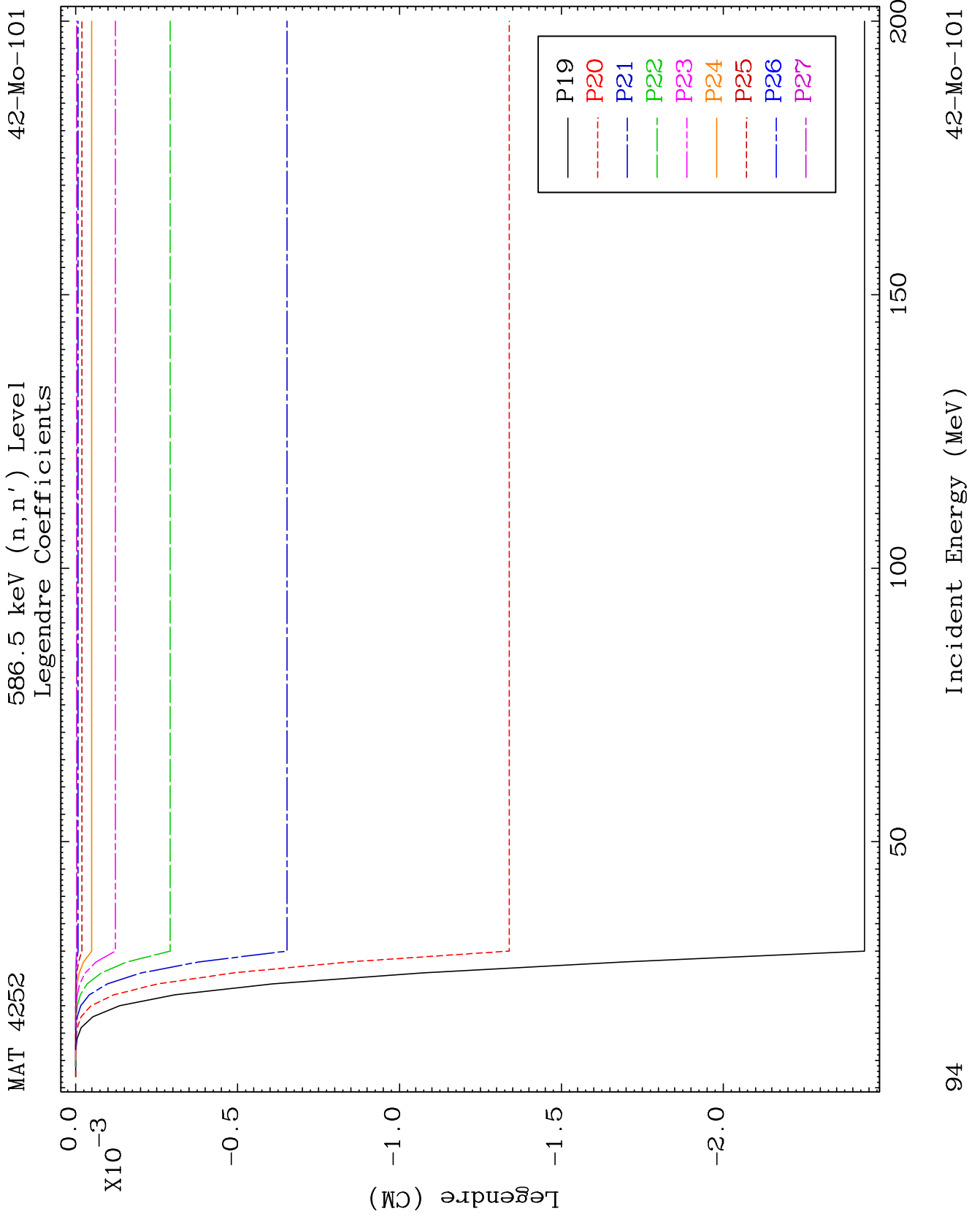
42-Mo-101

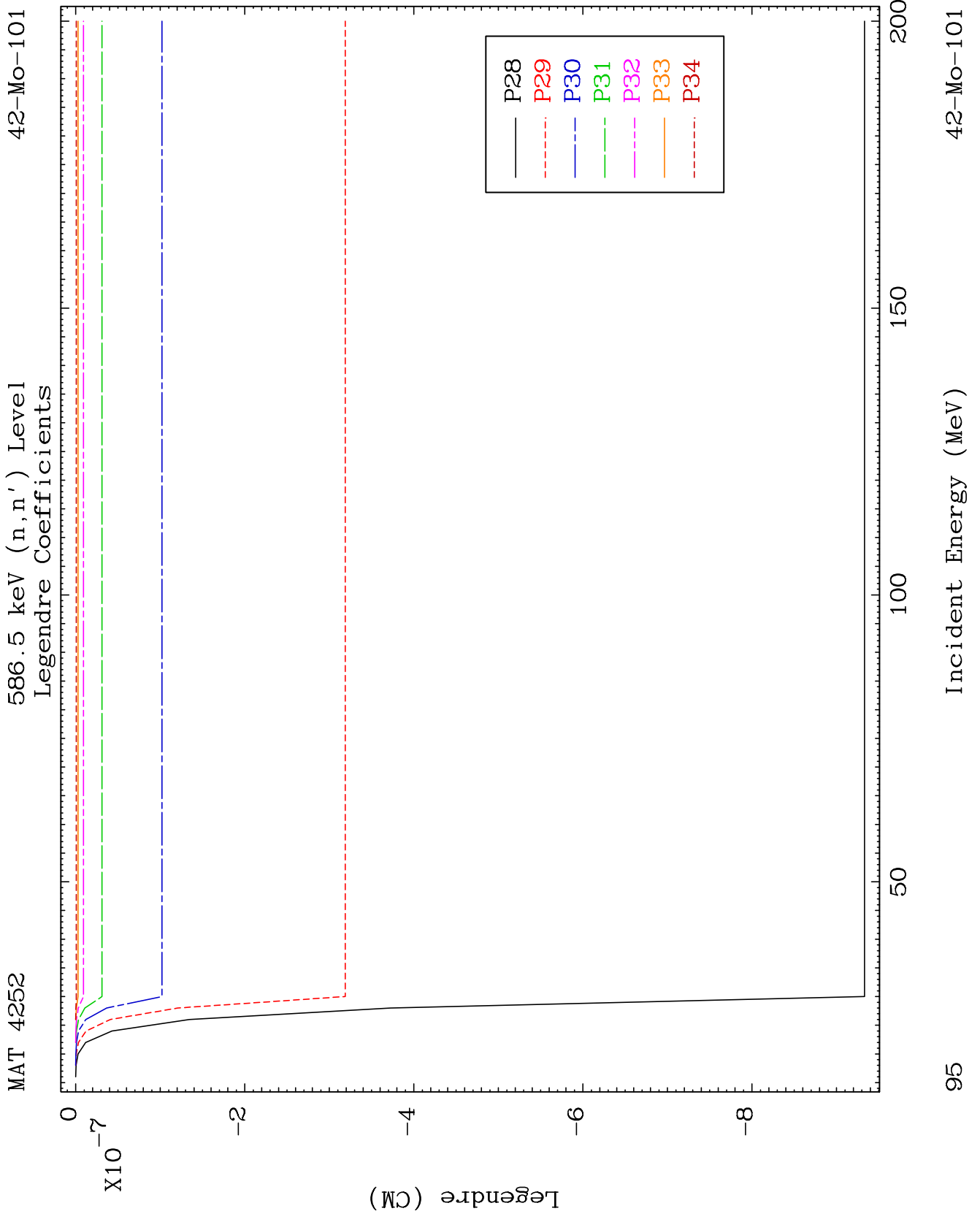


93

Incident Energy (MeV)

42-Mo-101



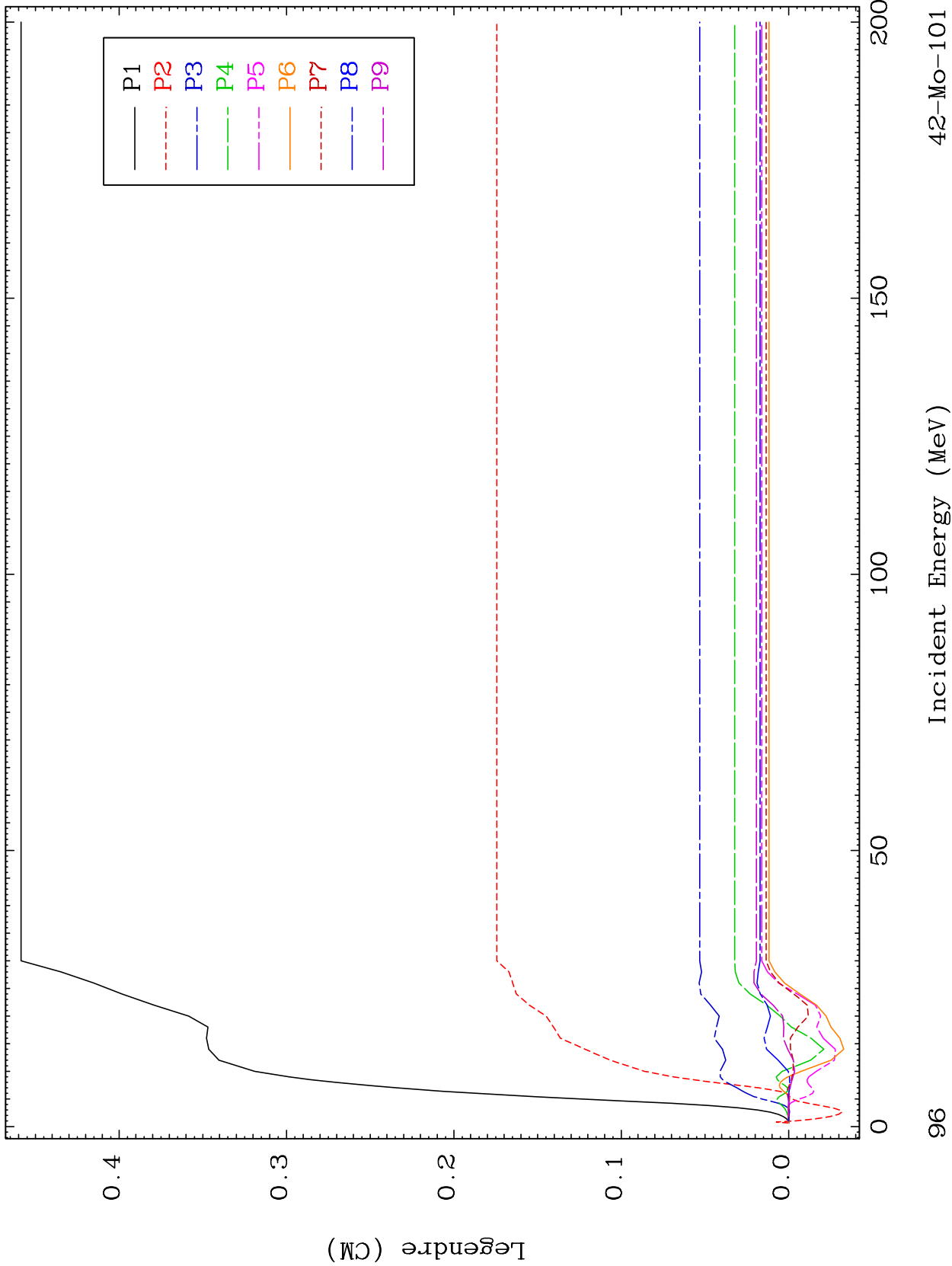




MAT 4252

626.4 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



42-Mo-101

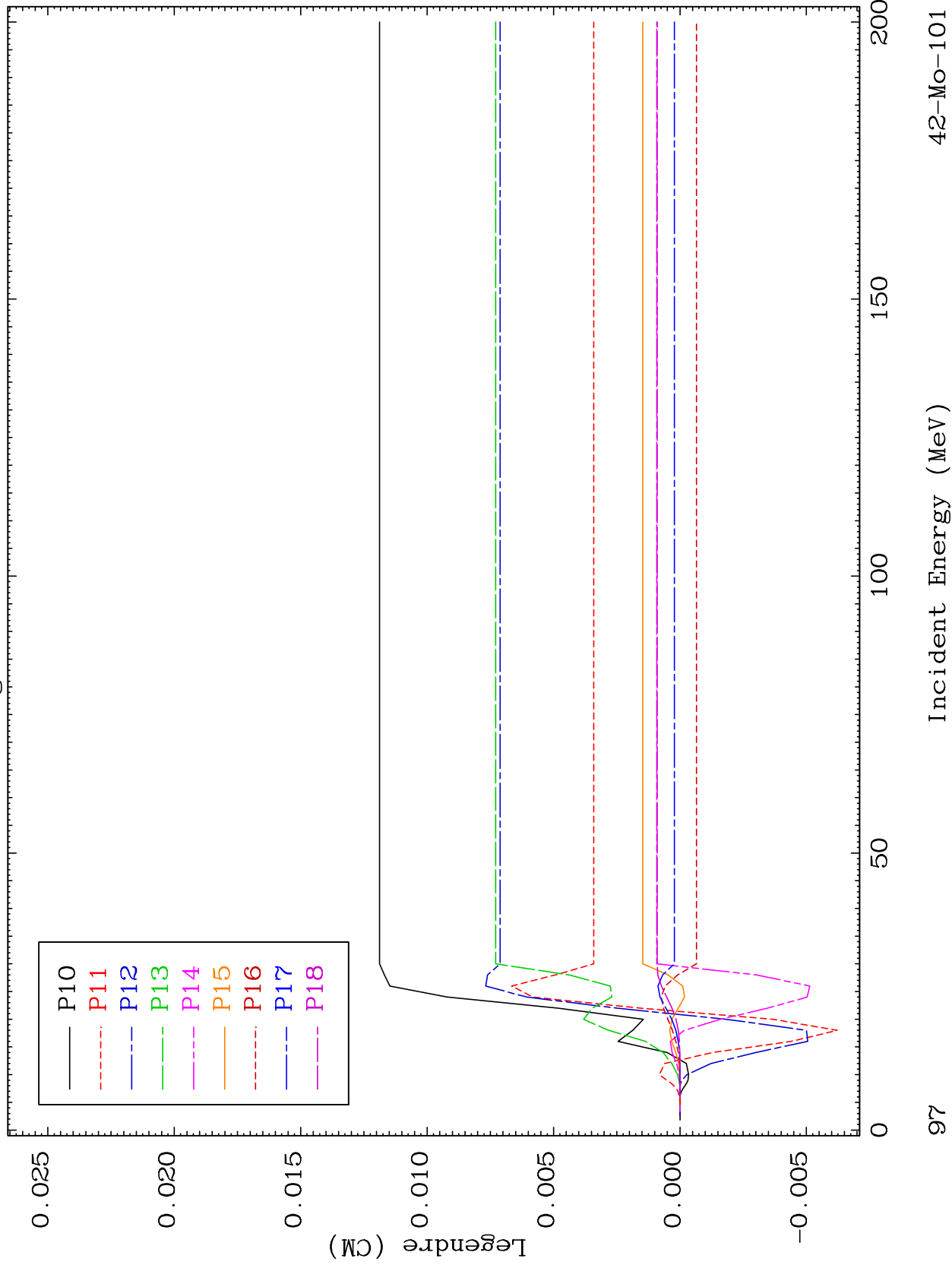
Incident Energy (MeV)

96

MAT 4252

626.4 keV (n,n') Level  
Legendre Coefficients

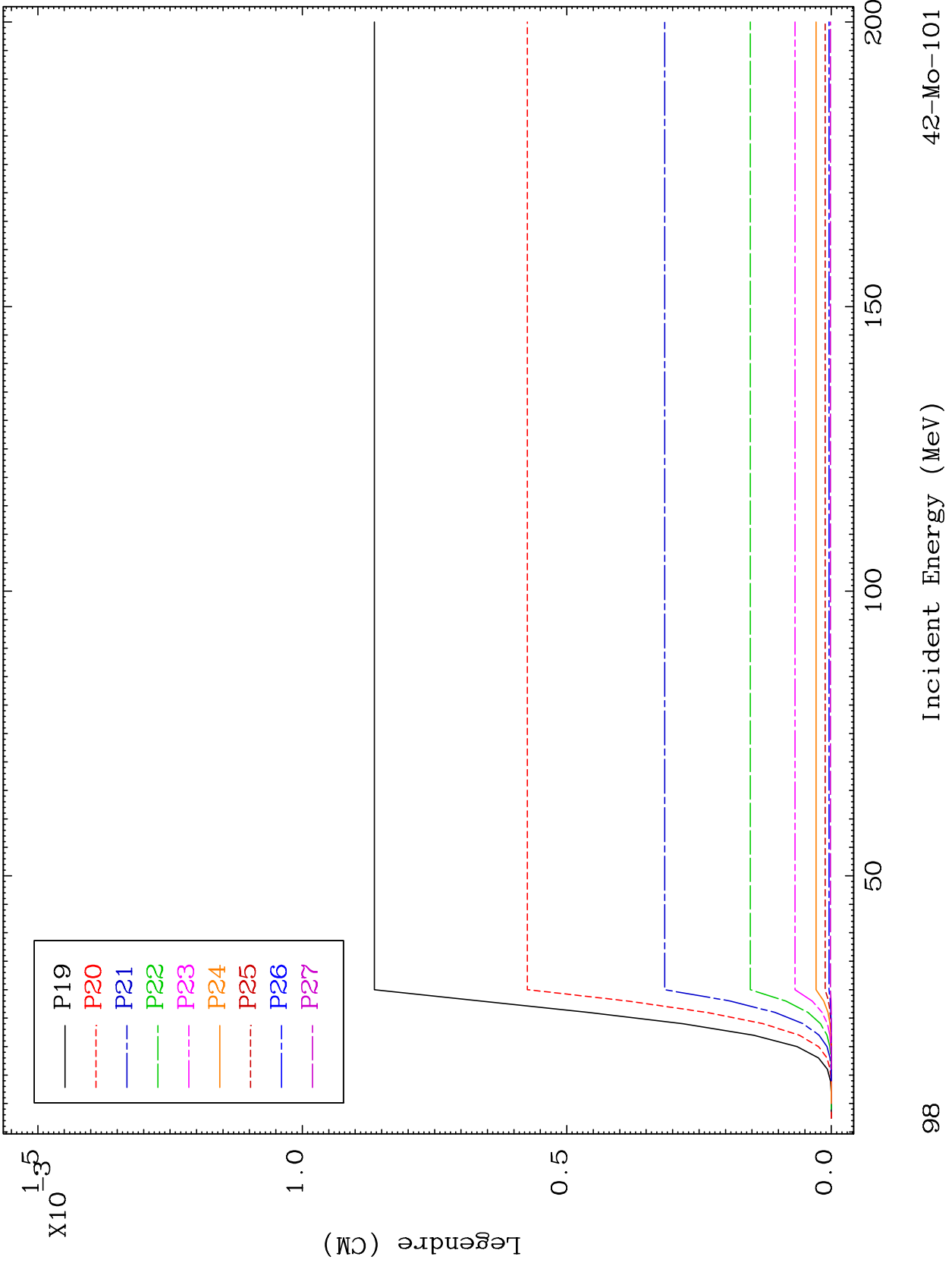
42-Mo-101



97

Incident Energy (MeV)

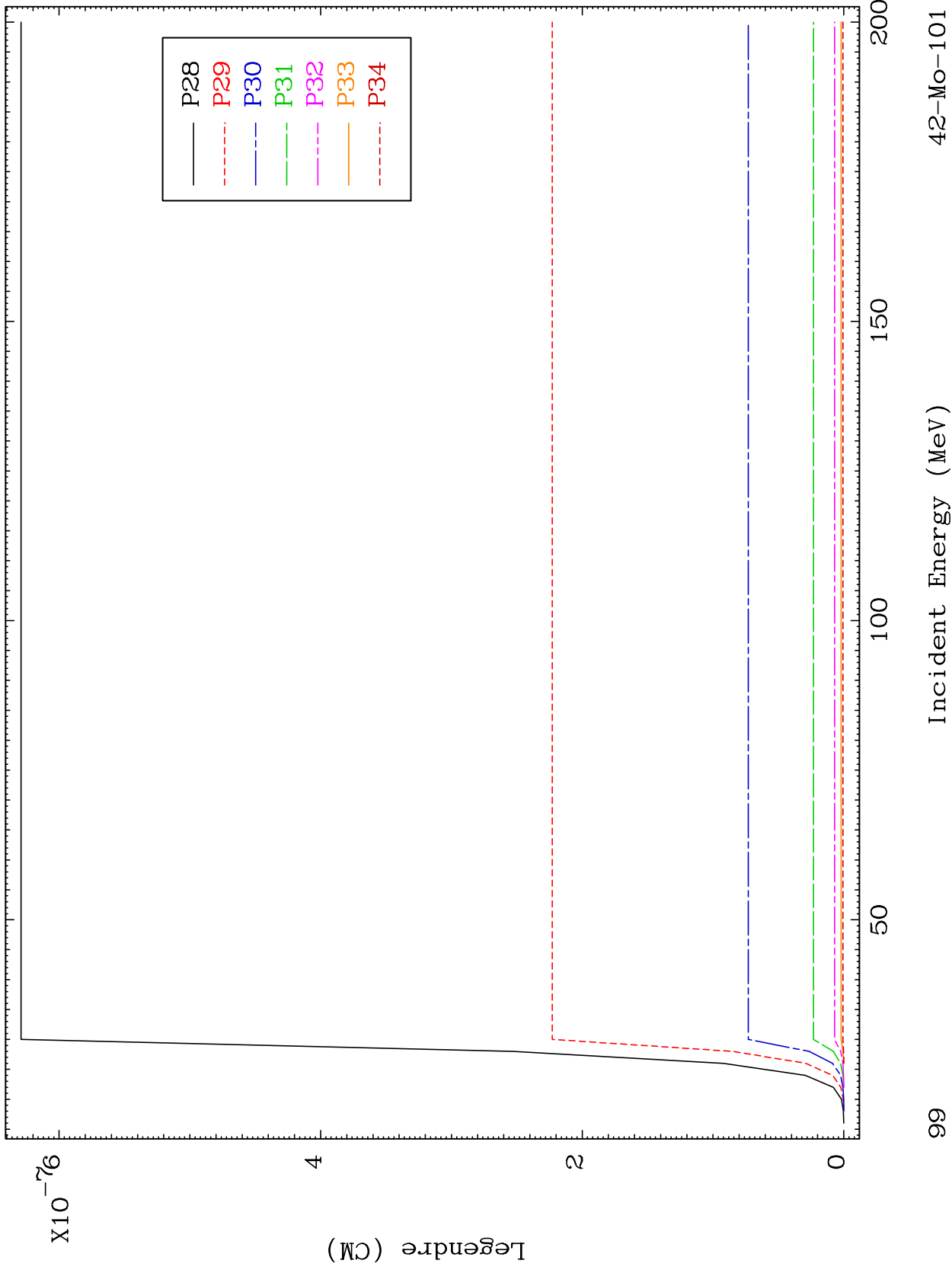
42-Mo-101



MAT 4252

626.4 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



99

Incident Energy (MeV)

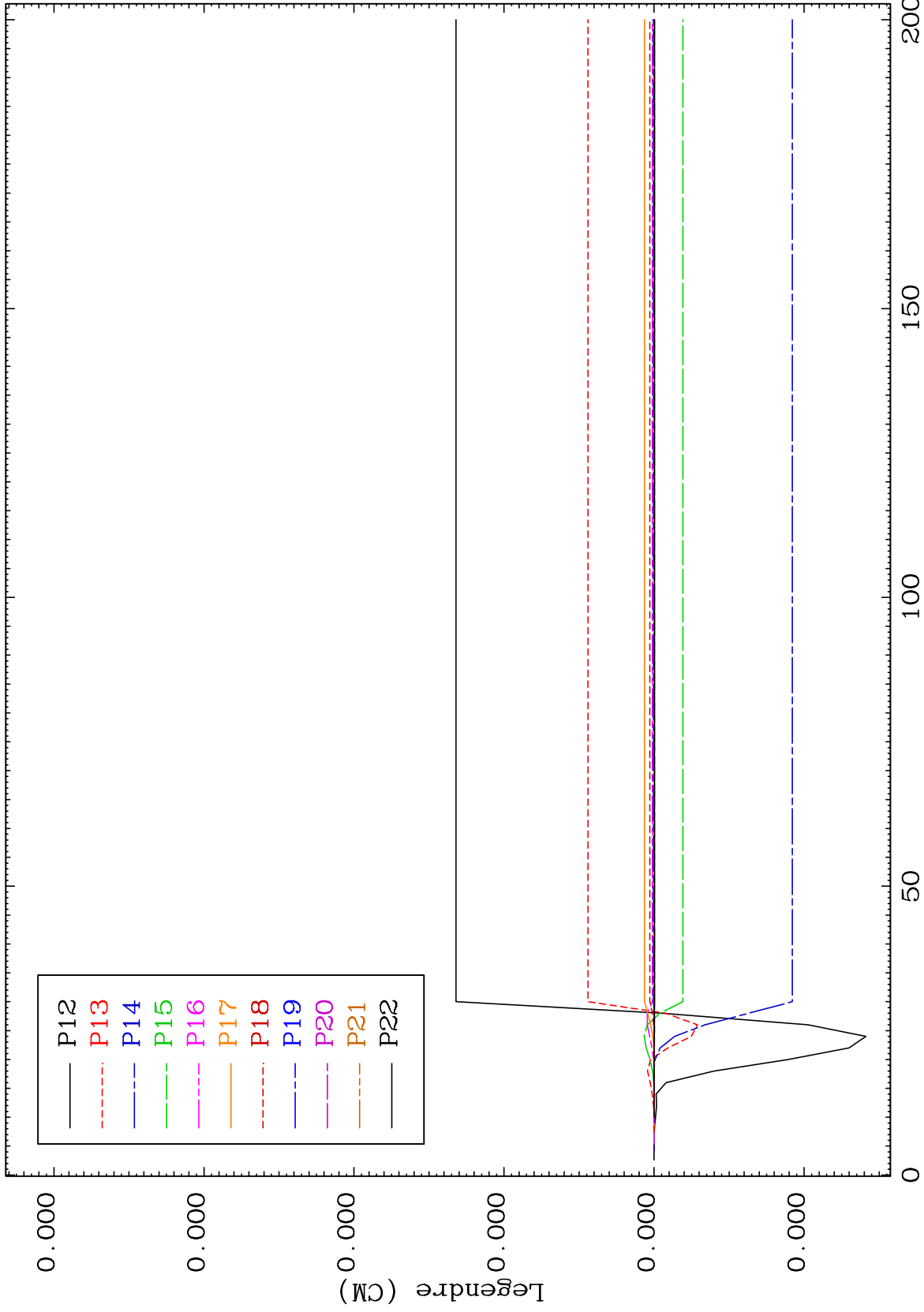
42-Mo-101



MAT 4252

702.0 keV (n,n') Level  
Legendre Coefficients

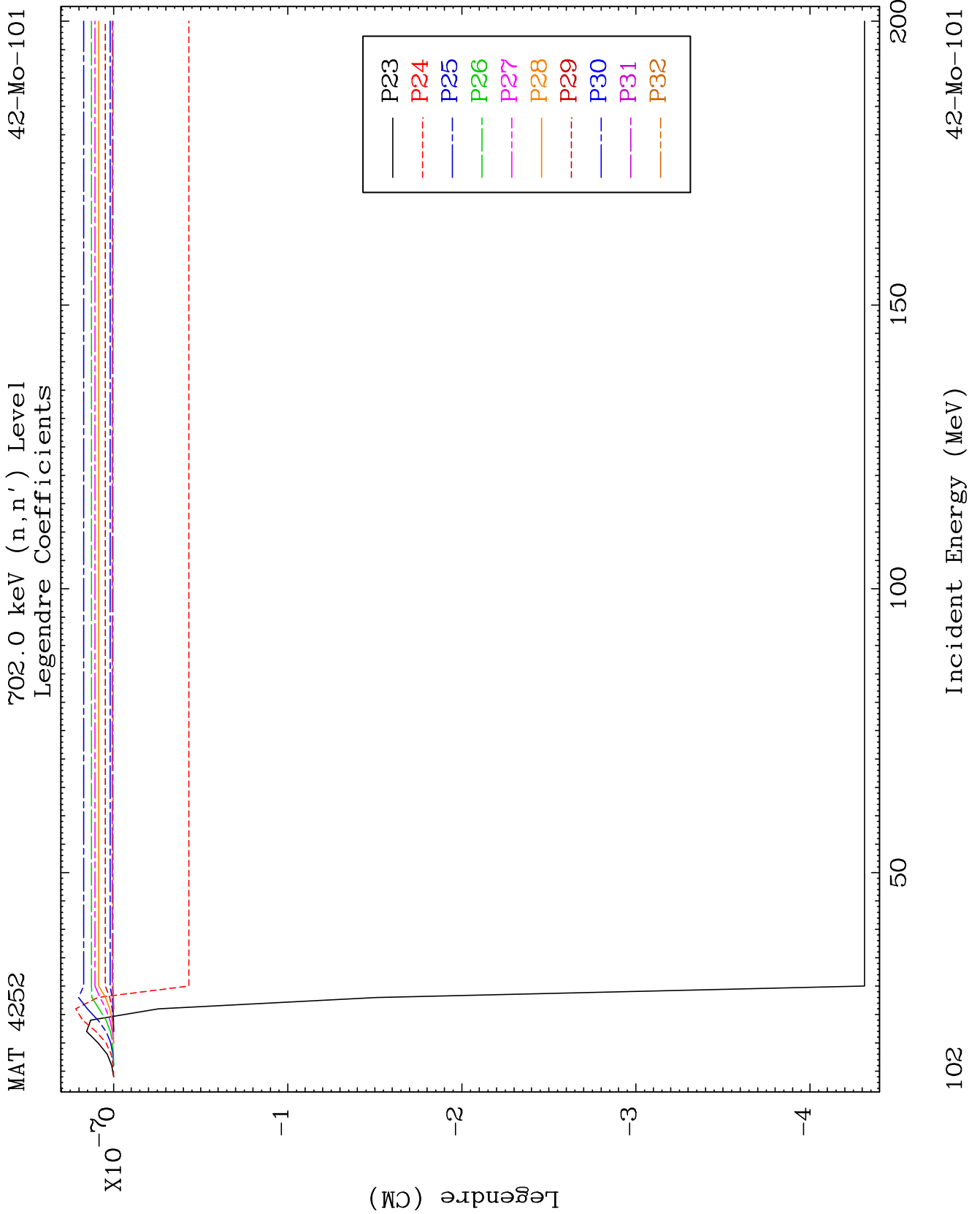
42-Mo-101

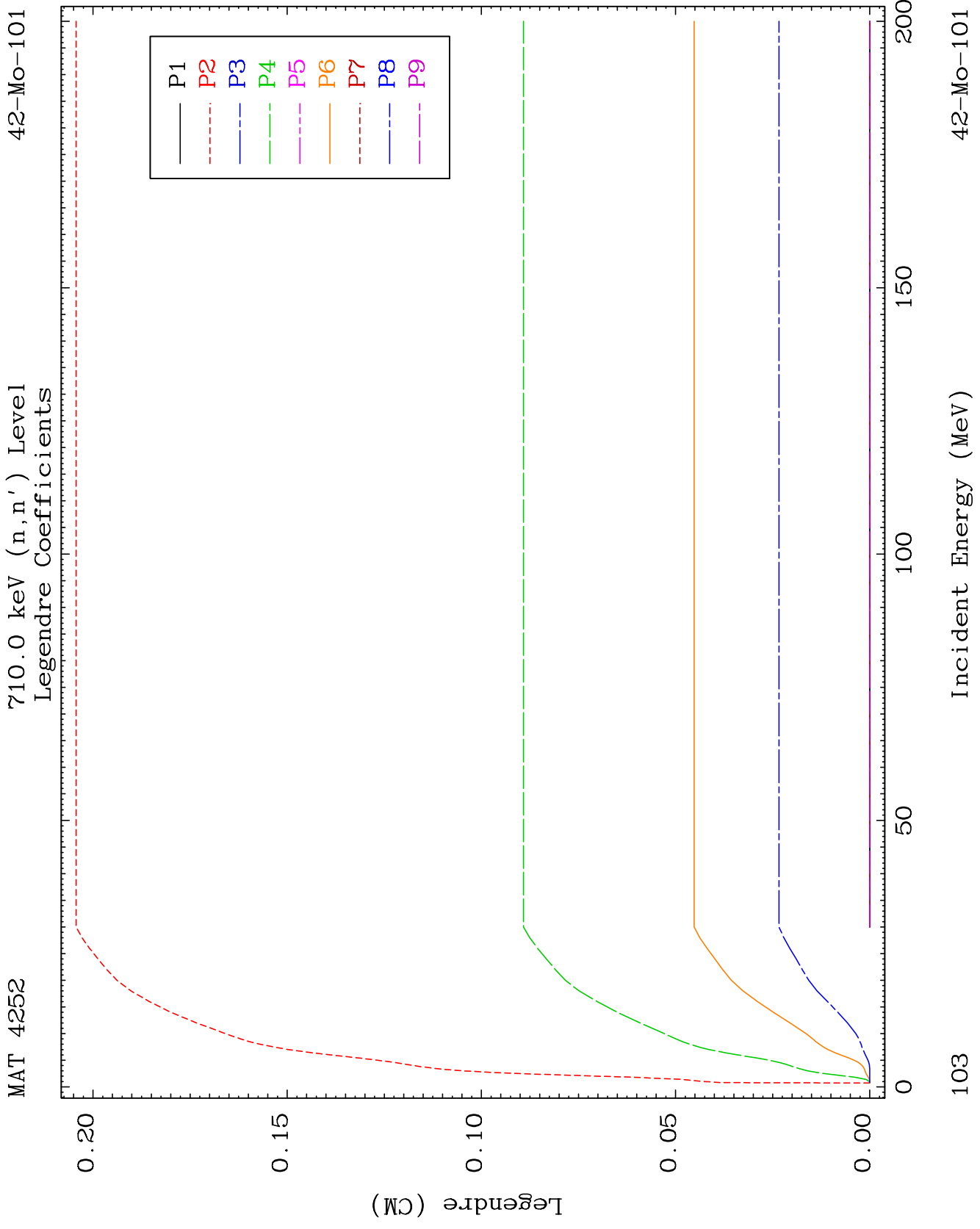


101

Incident Energy (MeV)

42-Mo-101

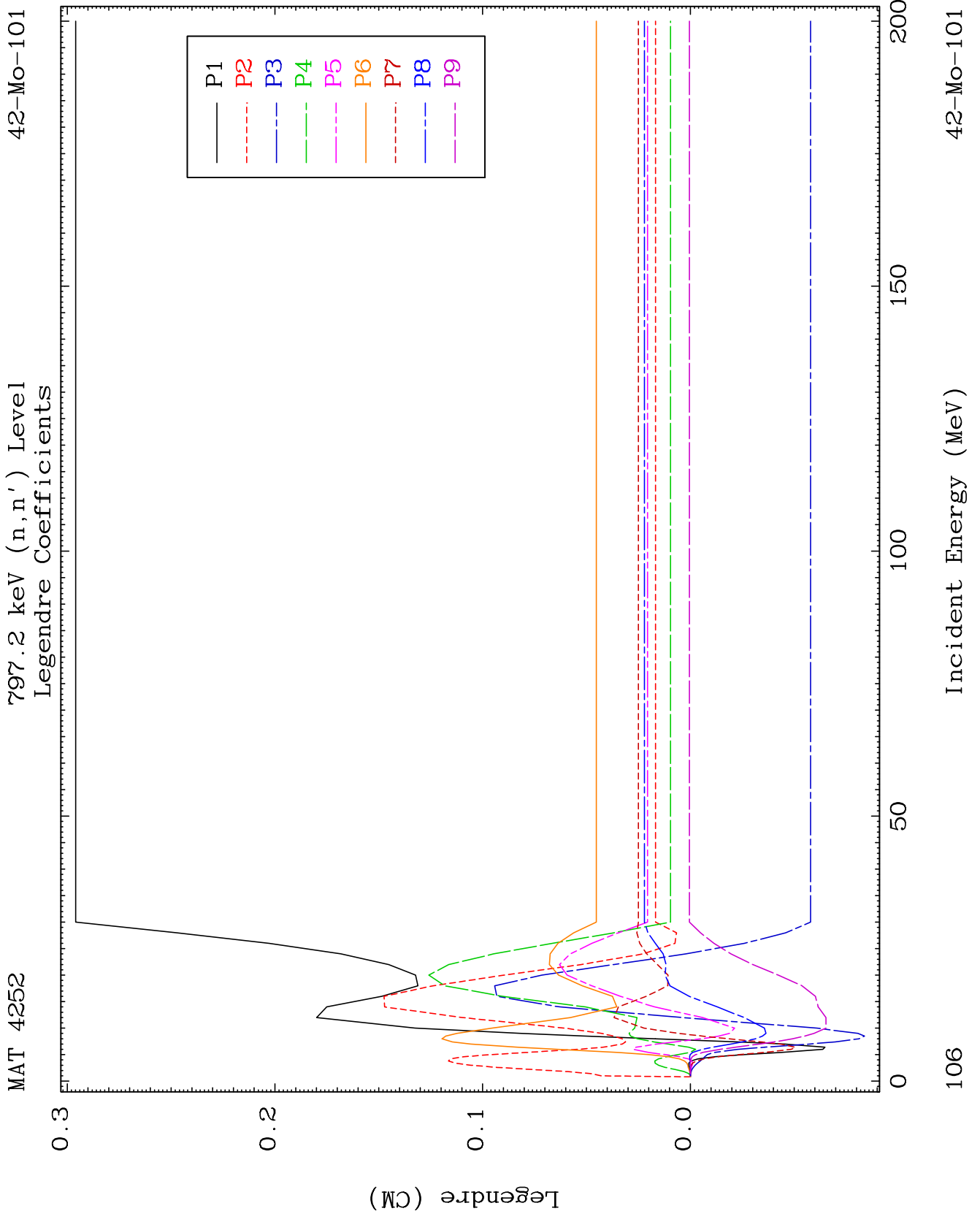








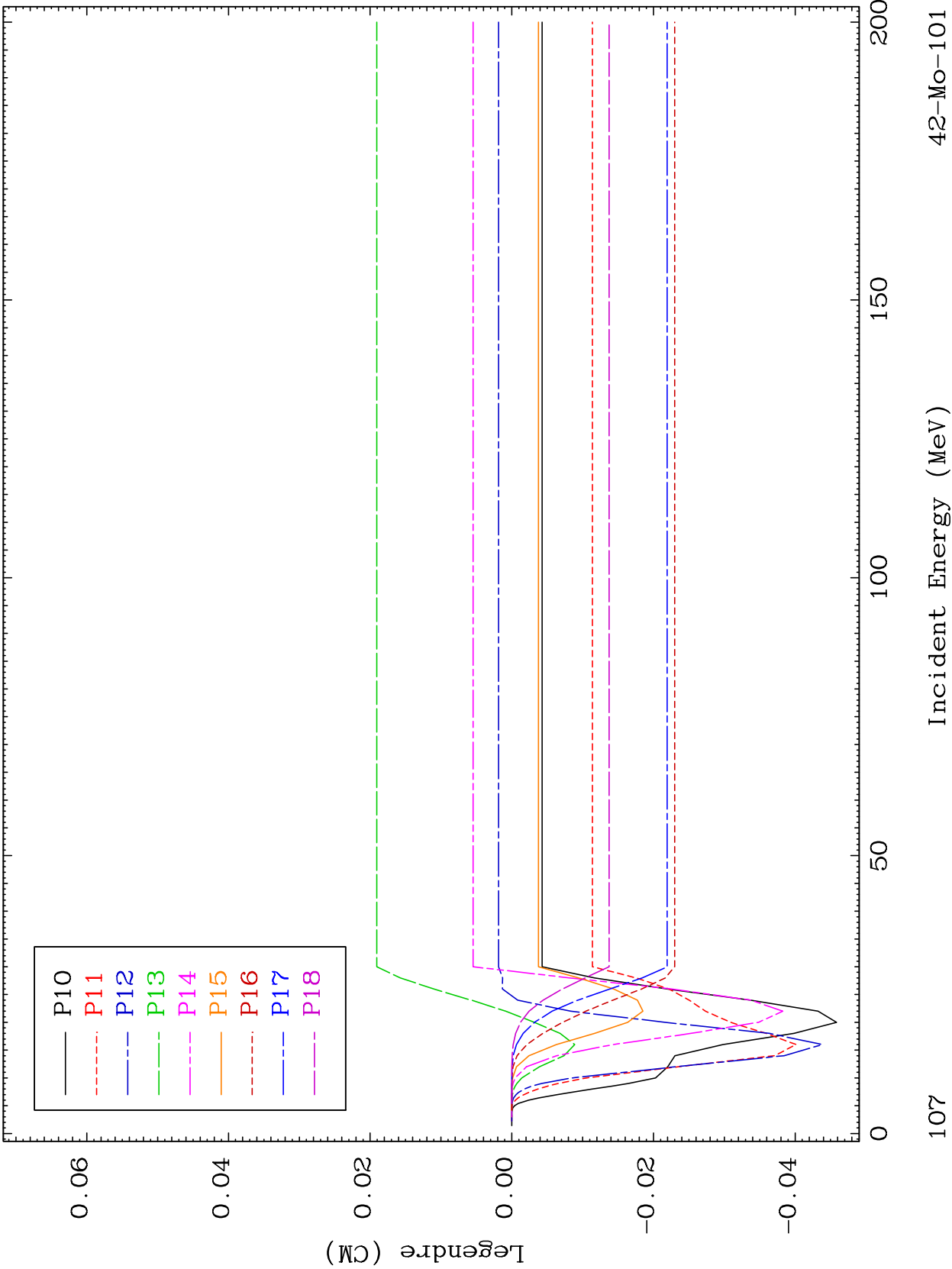




MAT 4252

797.2 keV (n,n') Level  
Legendre Coefficients

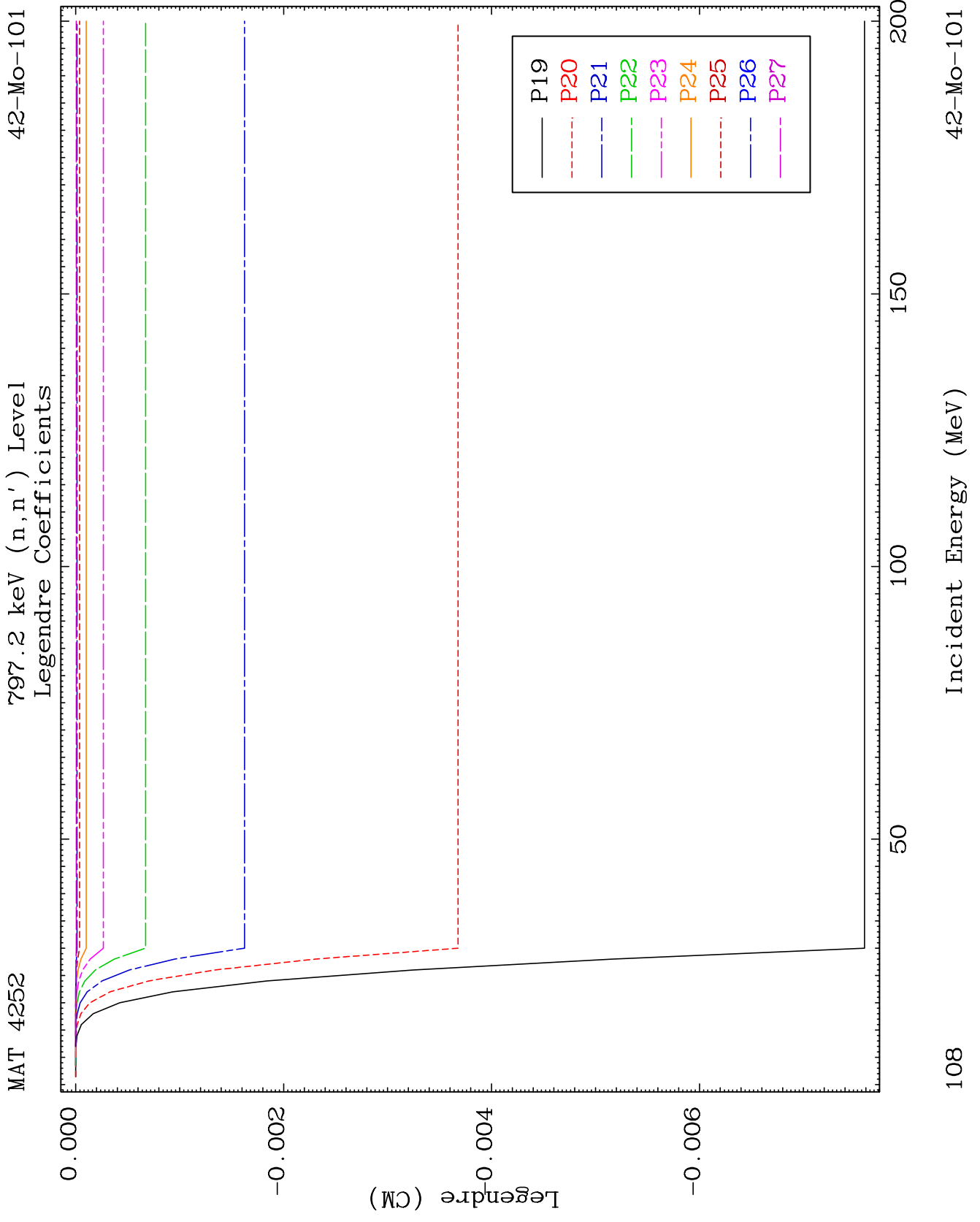
42-Mo-101

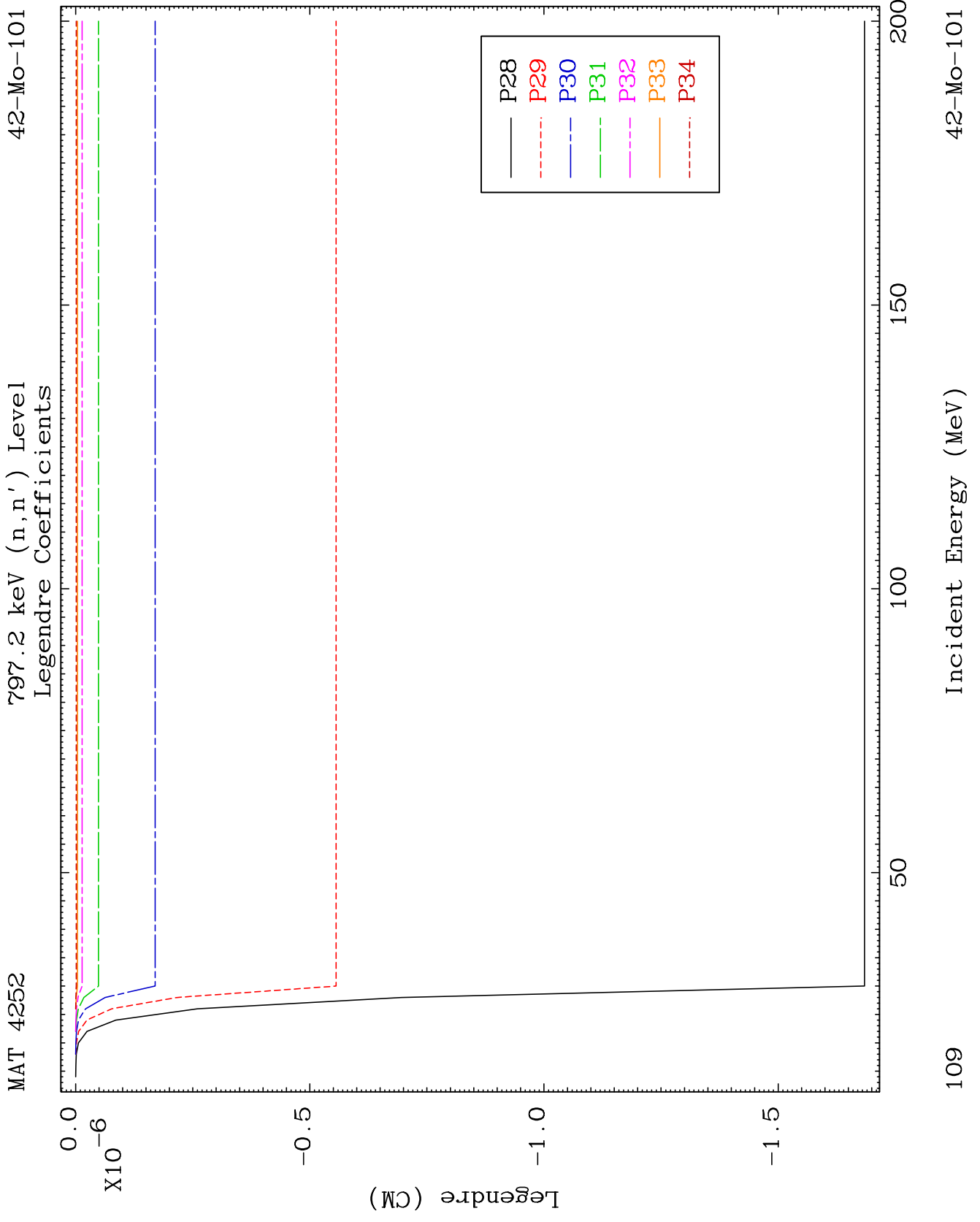


42-Mo-101

Incident Energy (MeV)

107



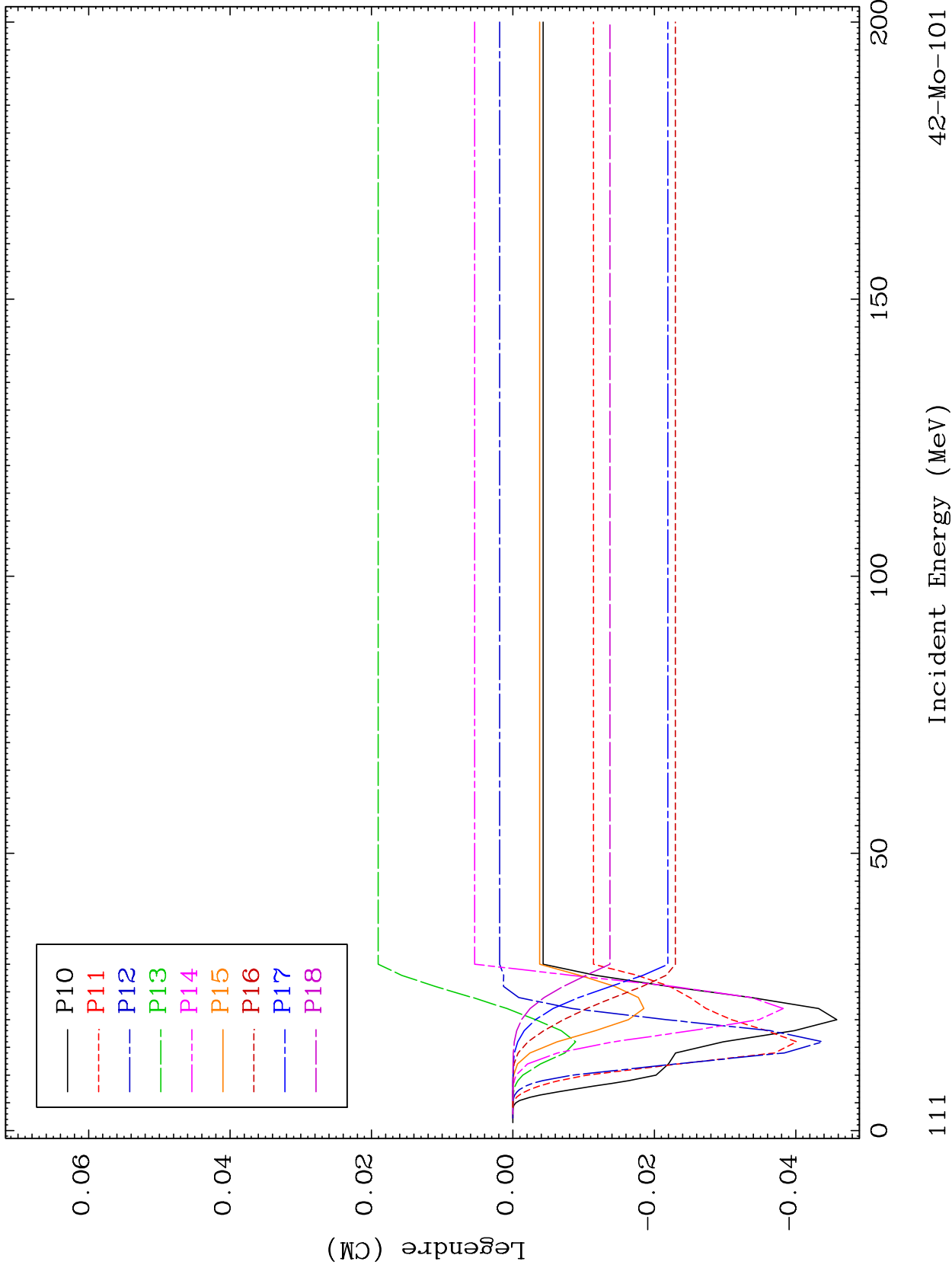




MAT 4252

810.6 keV (n, n') Level  
Legendre Coefficients

42-Mo-101

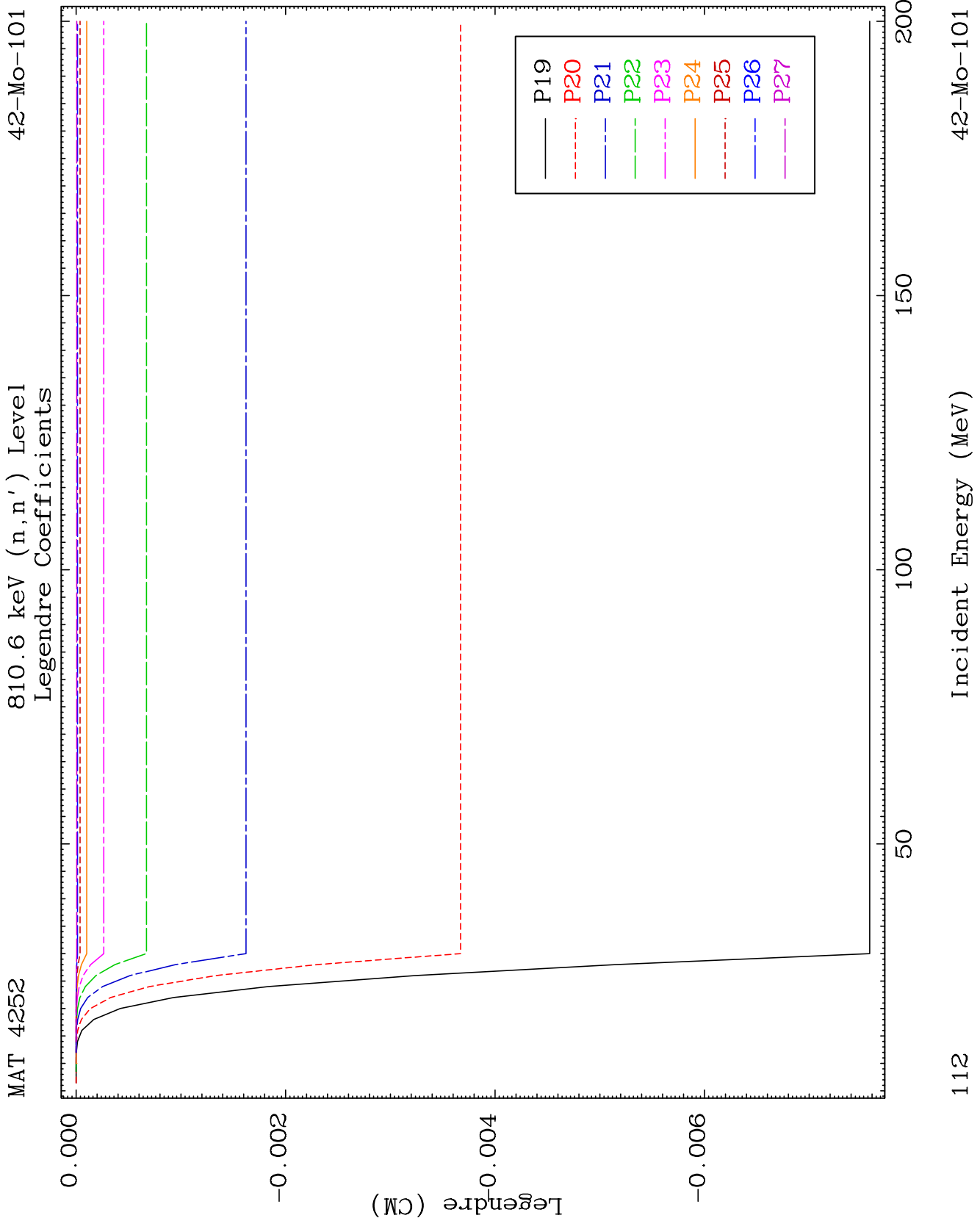


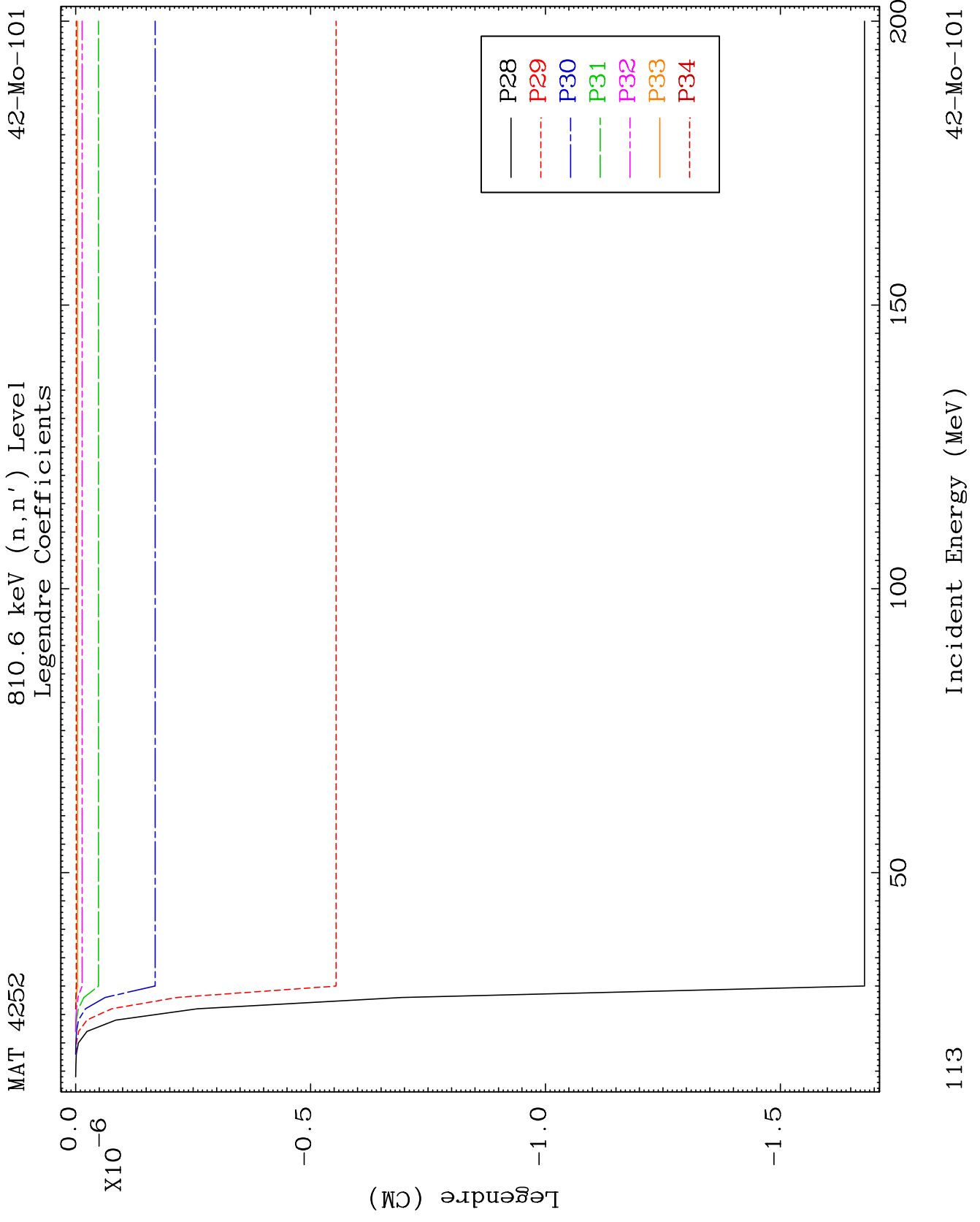
111

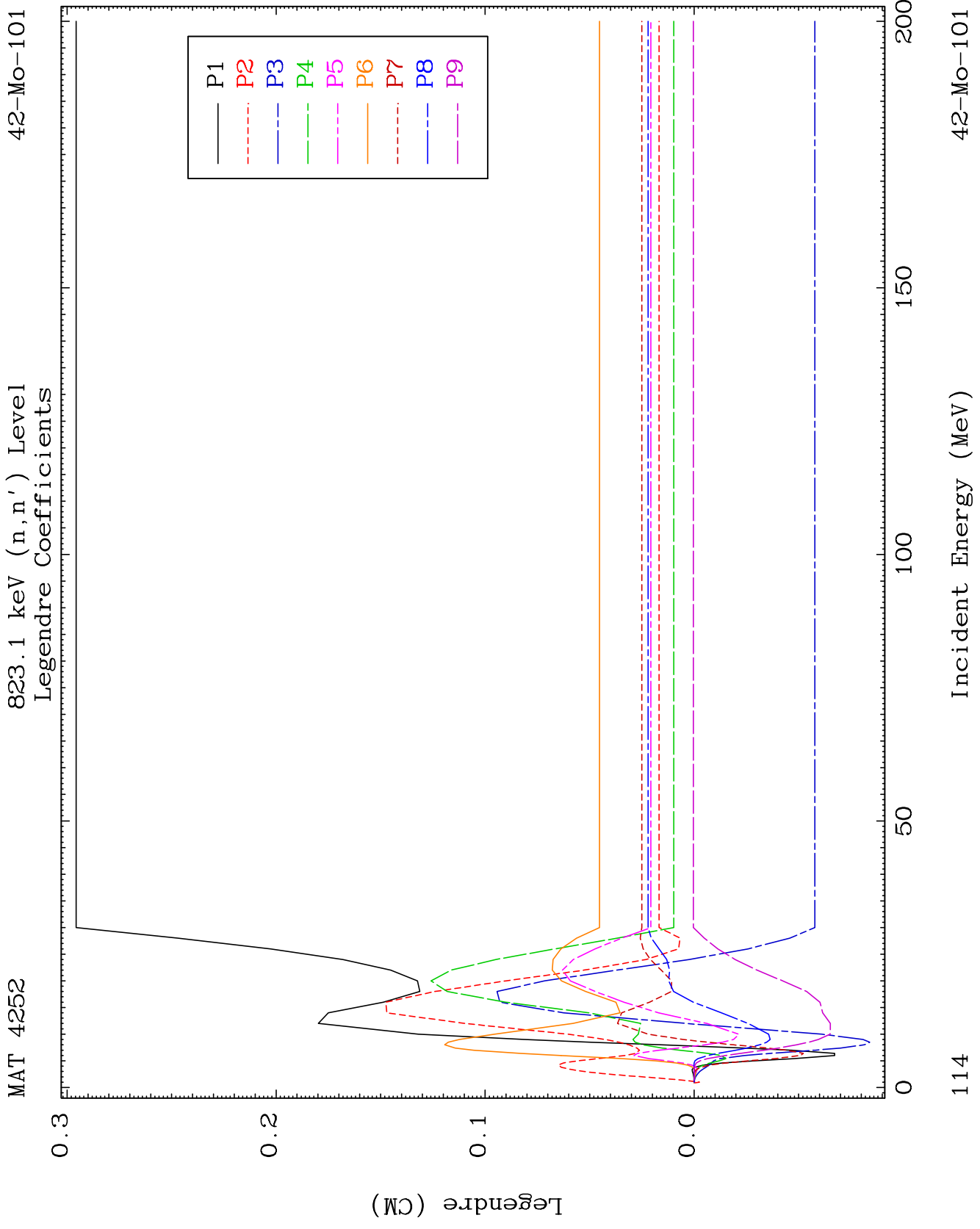
Incident Energy (MeV)

42-Mo-101





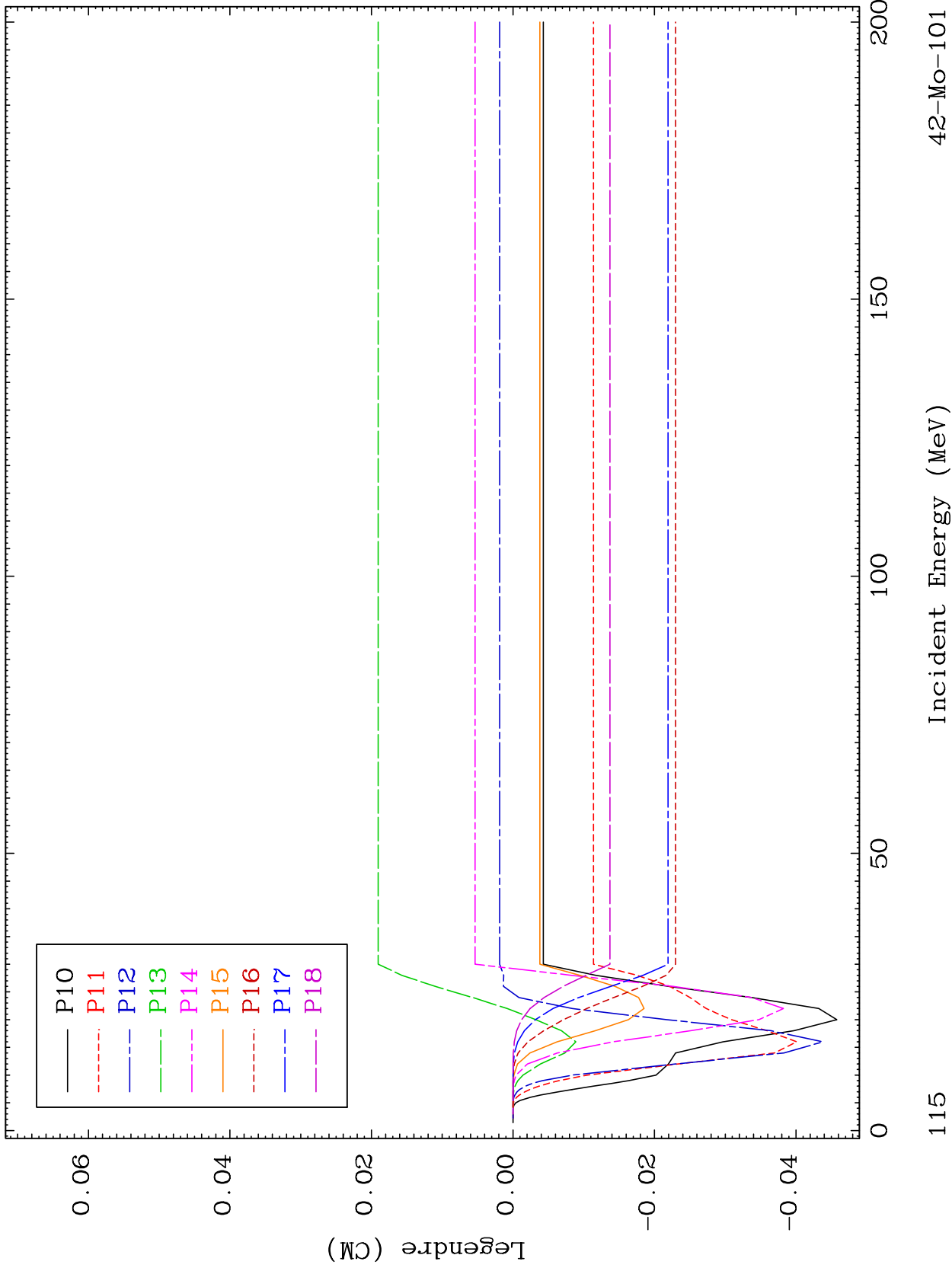




MAT 4252

823.1 keV (n,n') Level  
Legendre Coefficients

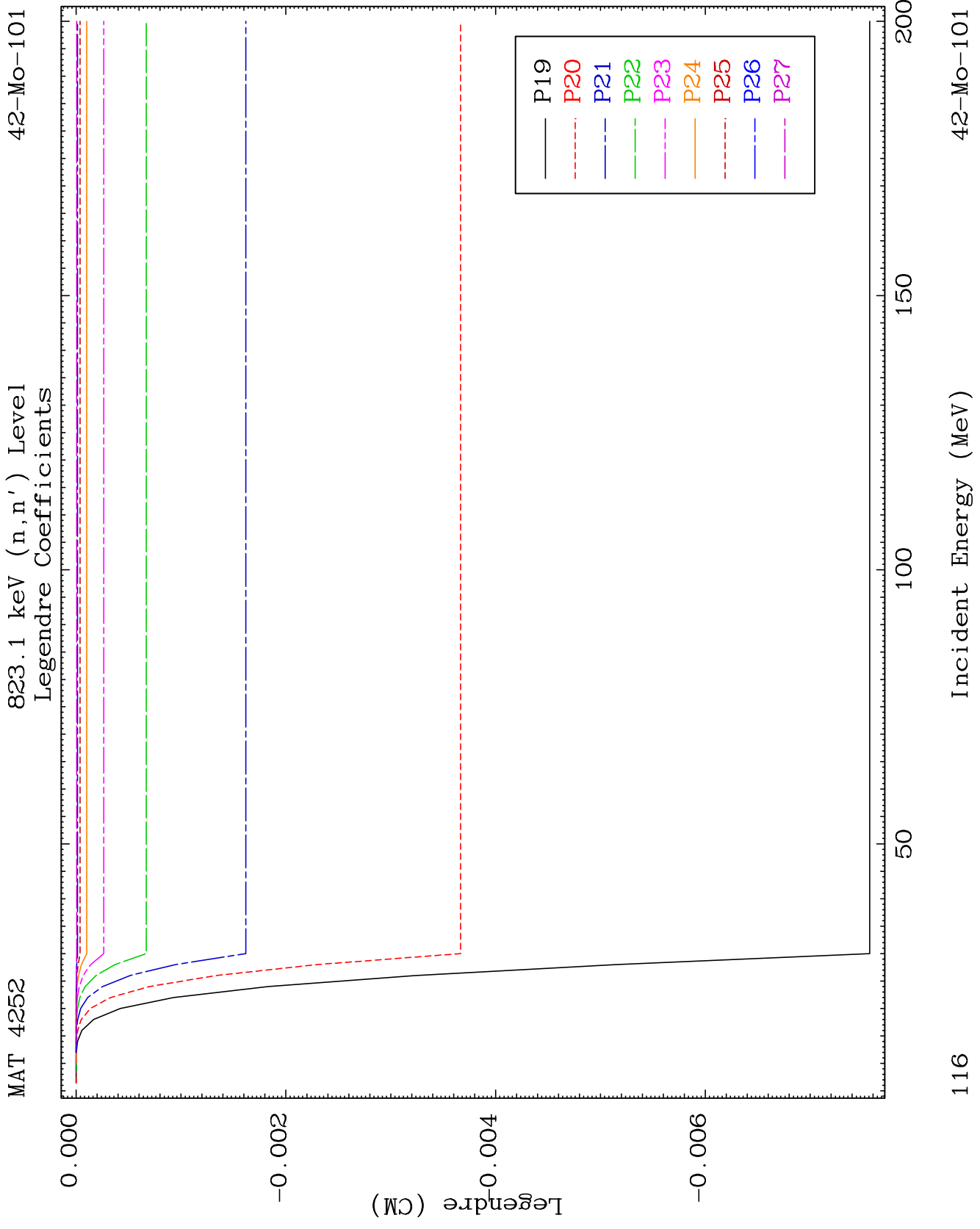
42-Mo-101

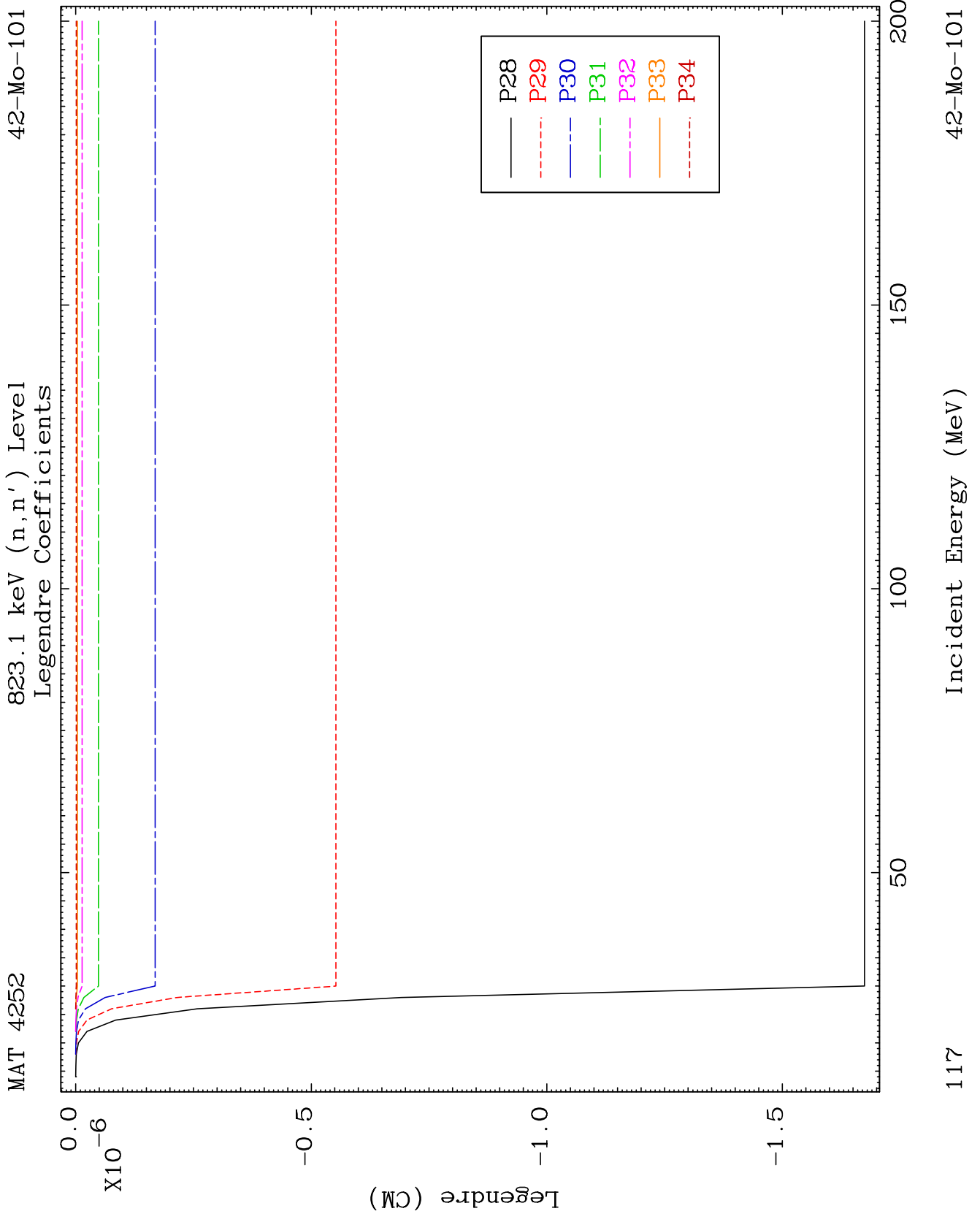


115

Incident Energy (MeV)

42-Mo-101

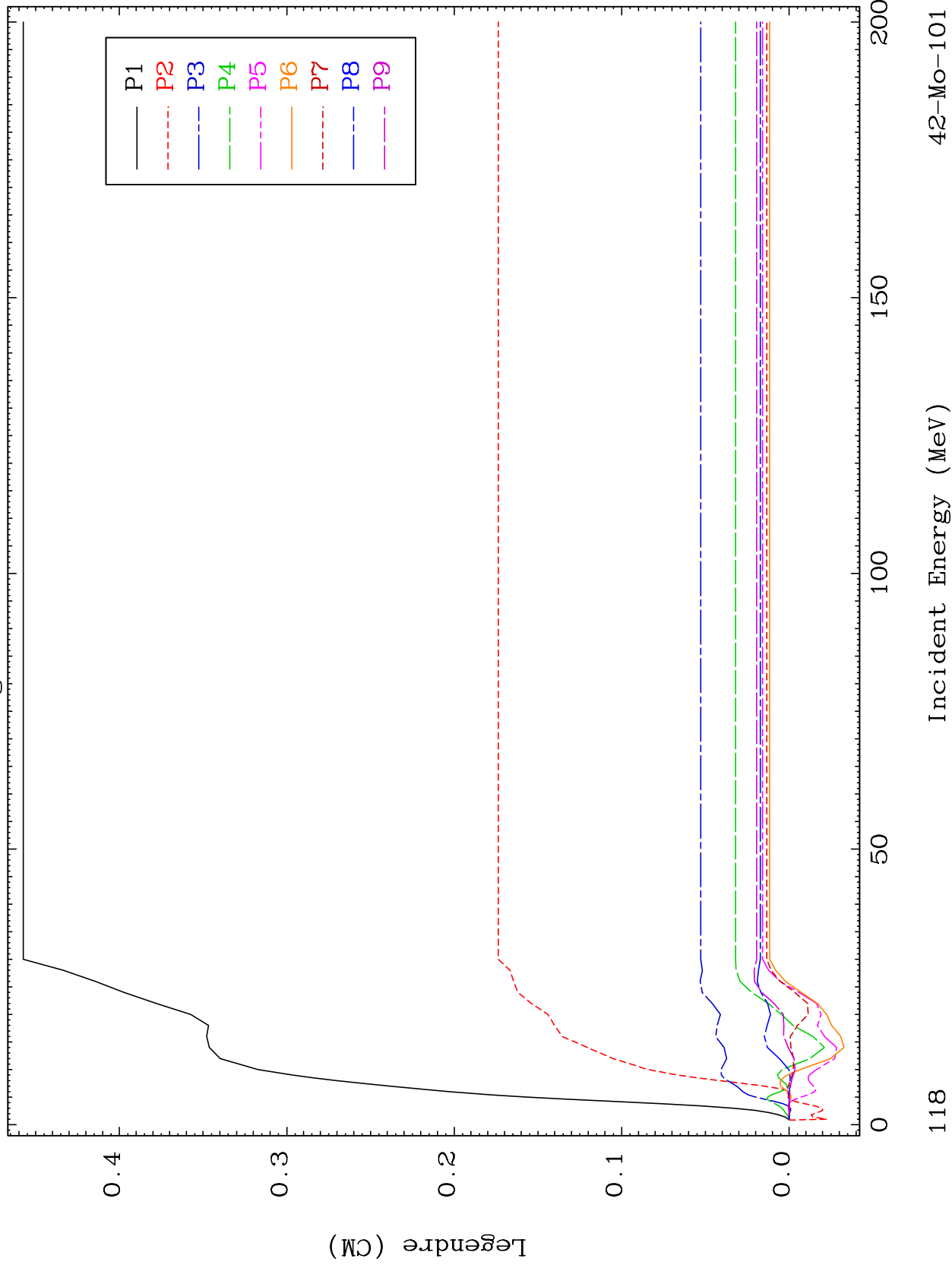




MAT 4252

830.4 keV (n,n') Level  
Legendre Coefficients

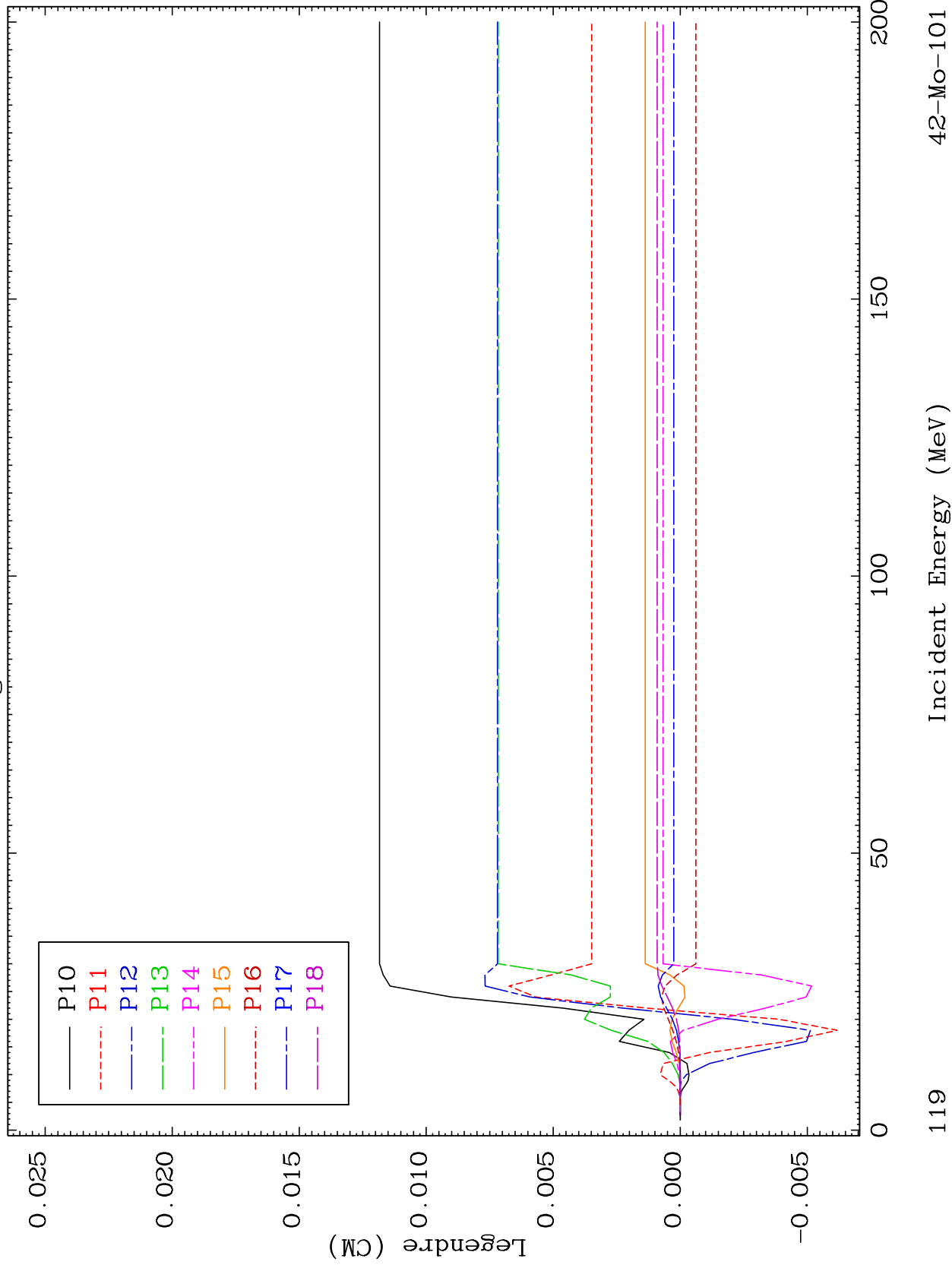
42-Mo-101



42-Mo-101

Incident Energy (MeV)

118

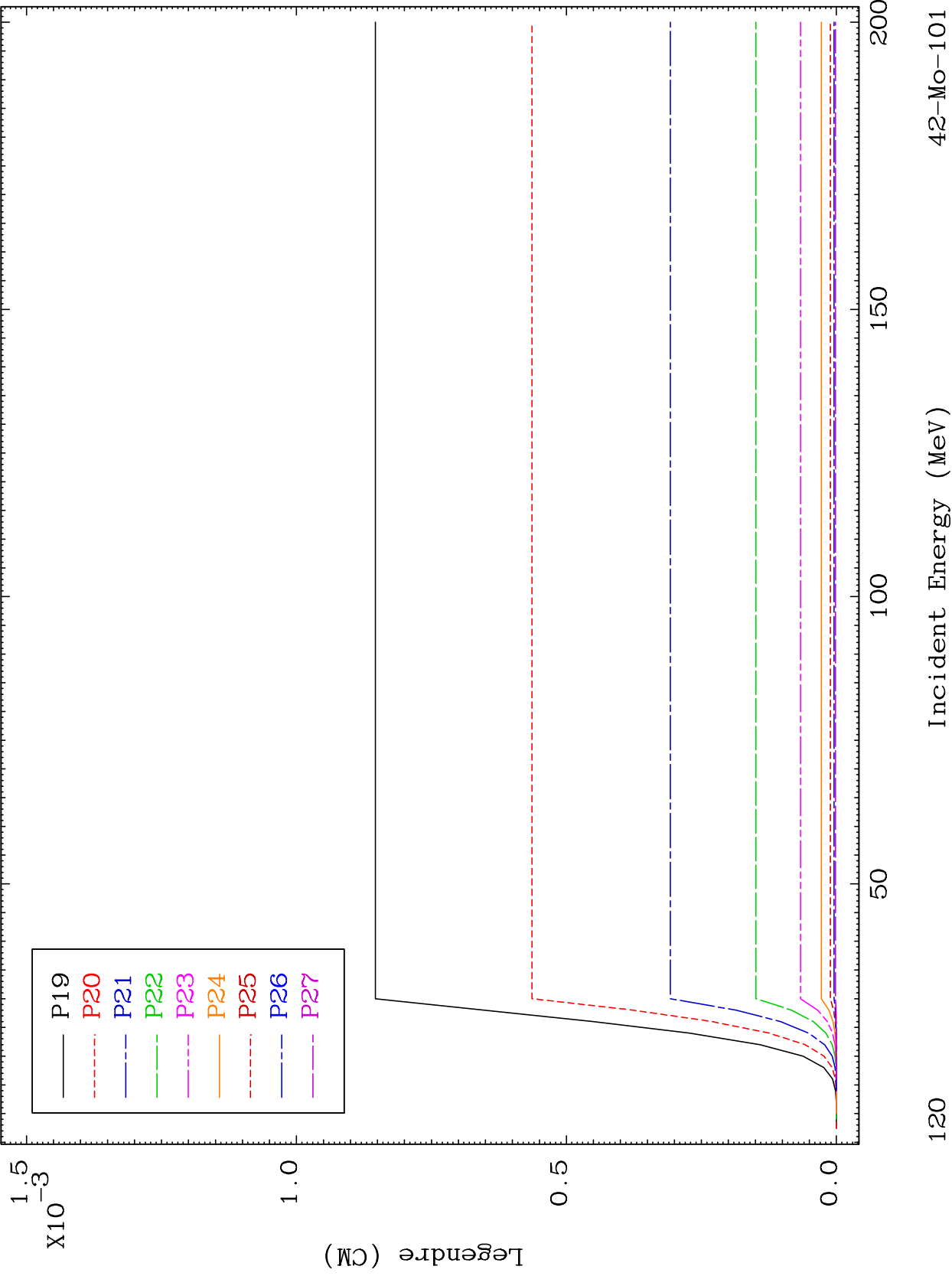




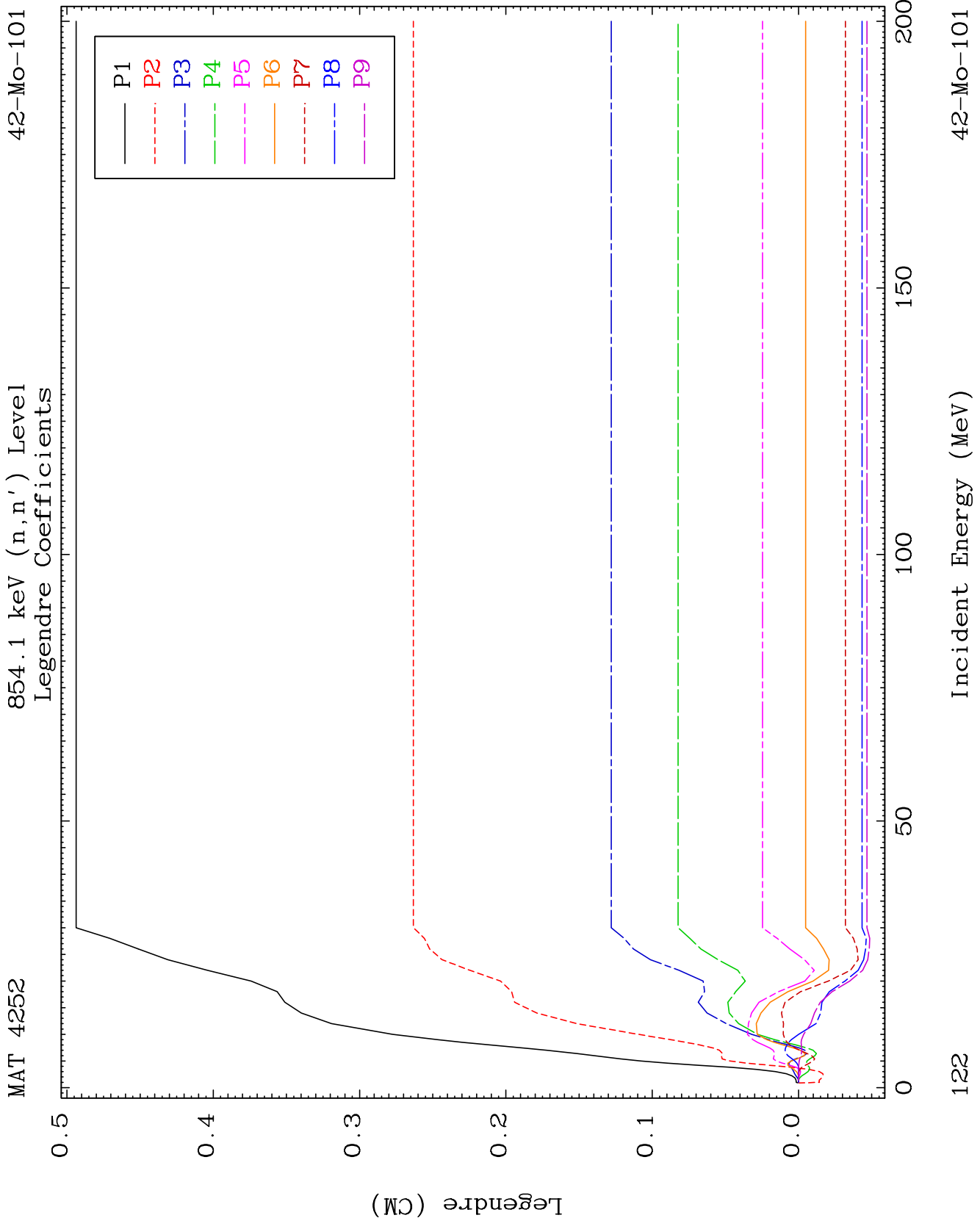
MAT 4252

830.4 keV (n, n') Level  
Legendre Coefficients

42-Mo-101



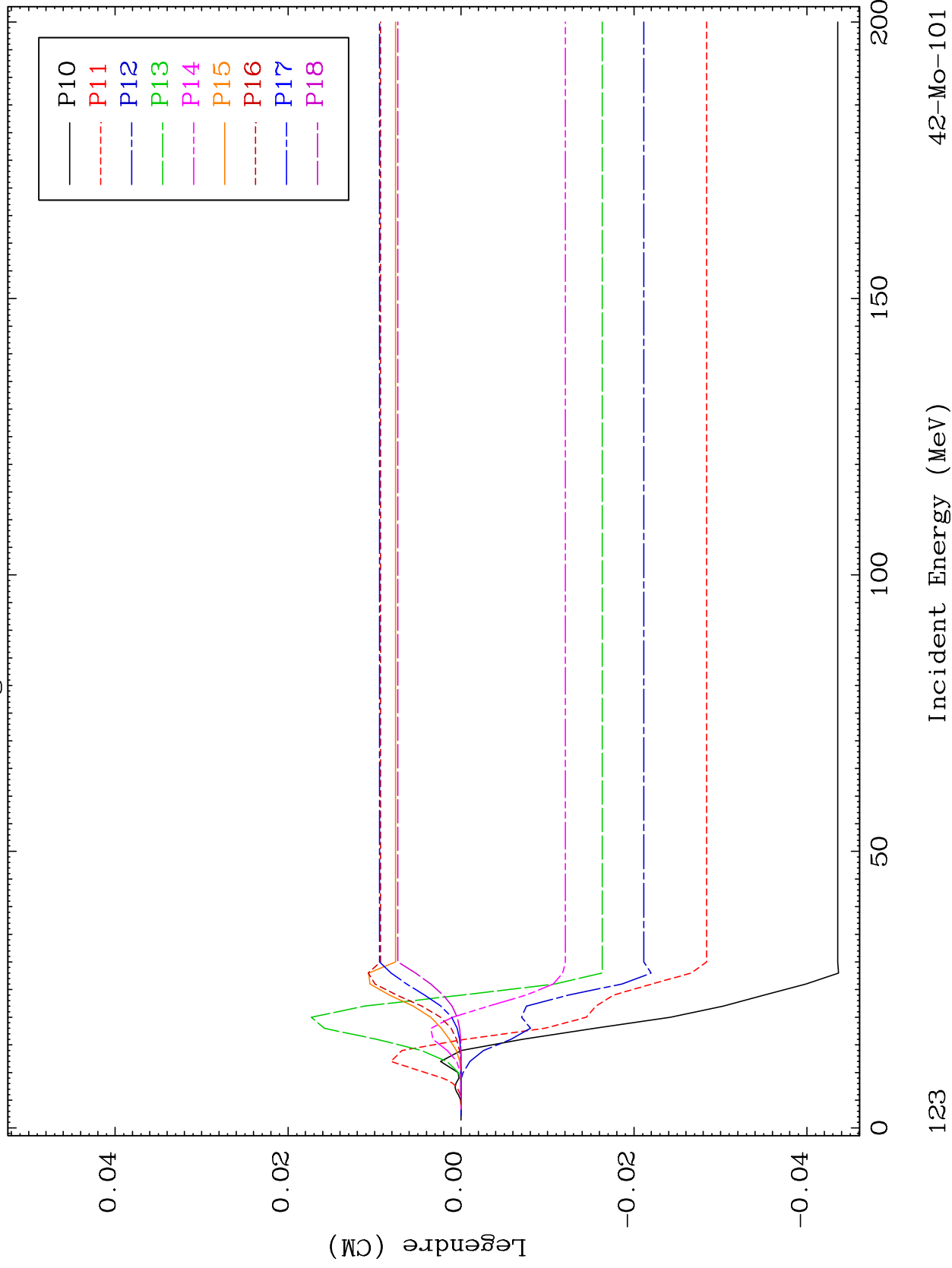




MAT 4252

854.1 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



123

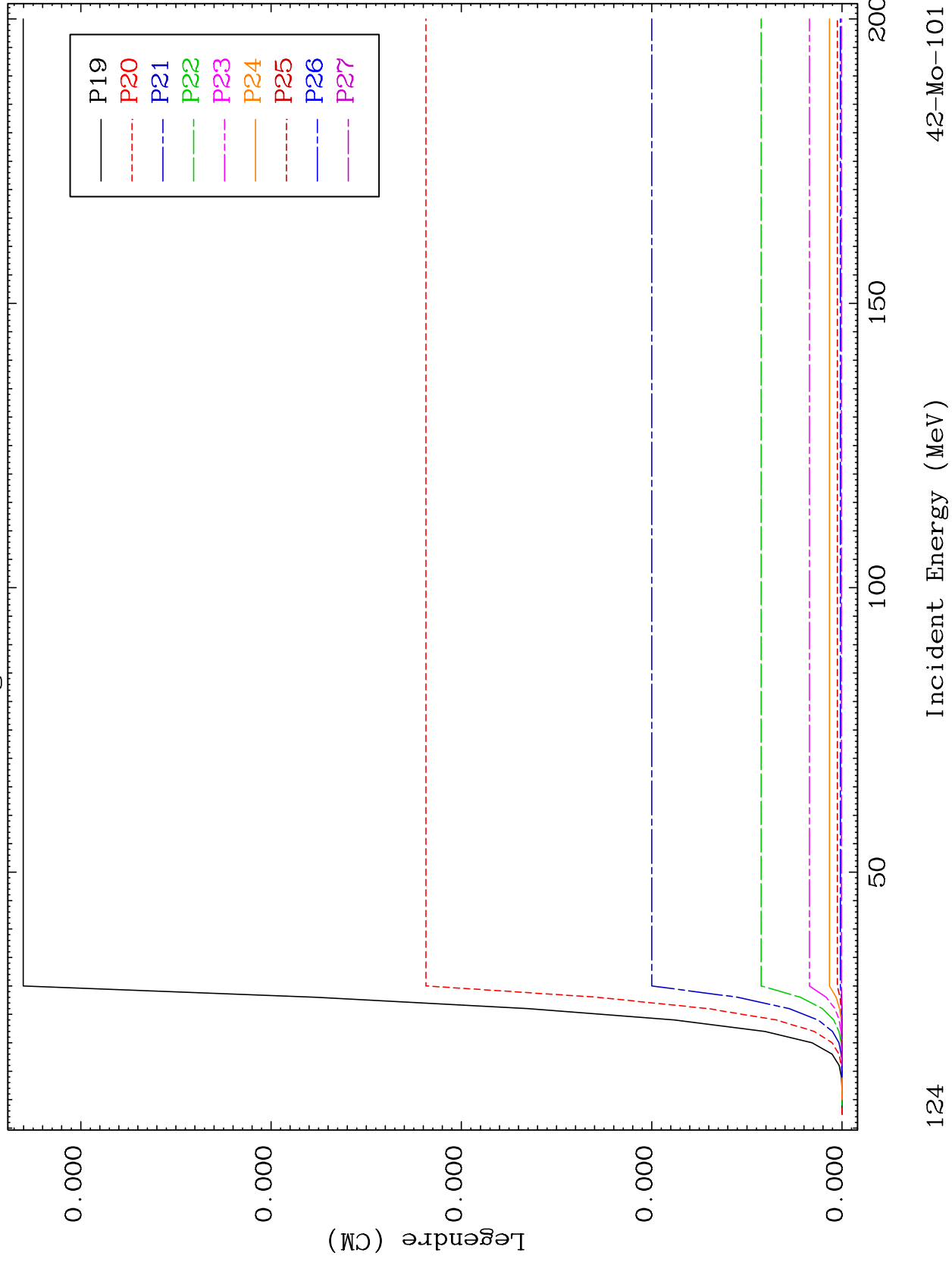
Incident Energy (MeV)

42-Mo-101

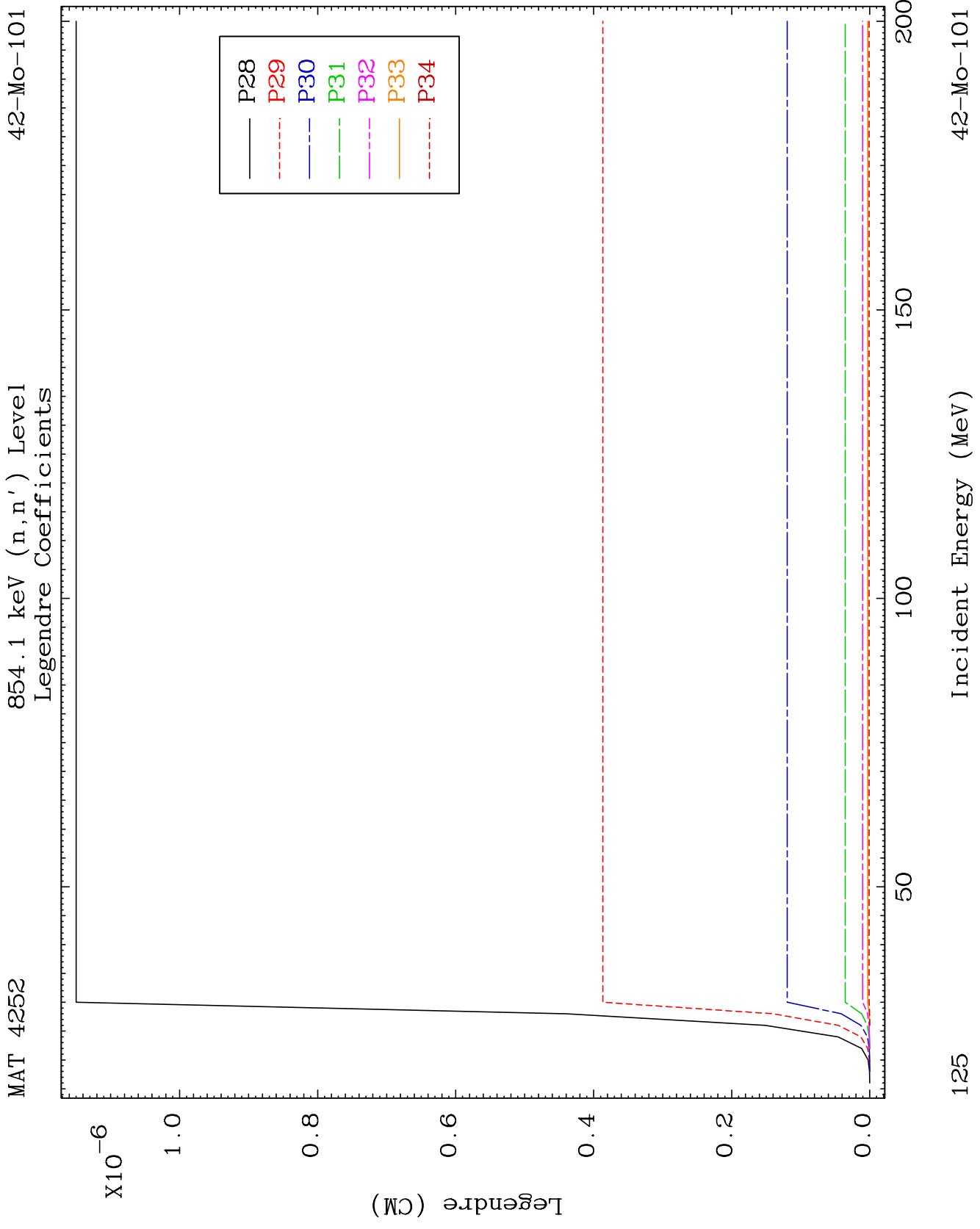
MAT 4252

854.1 keV (n, n') Level  
Legendre Coefficients

42-Mo-101



124

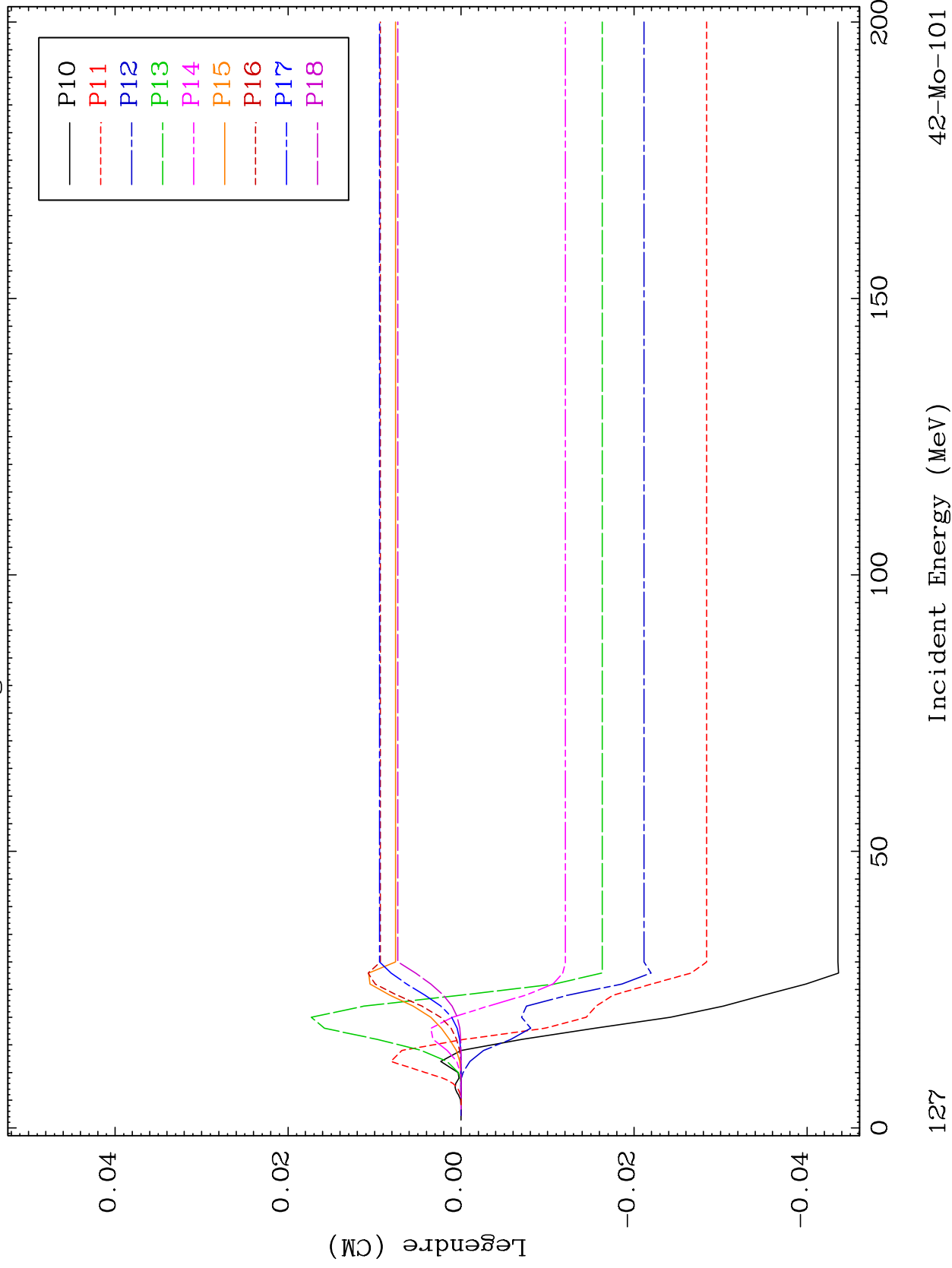




MAT 4252

867.8 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



127

Incident Energy (MeV)

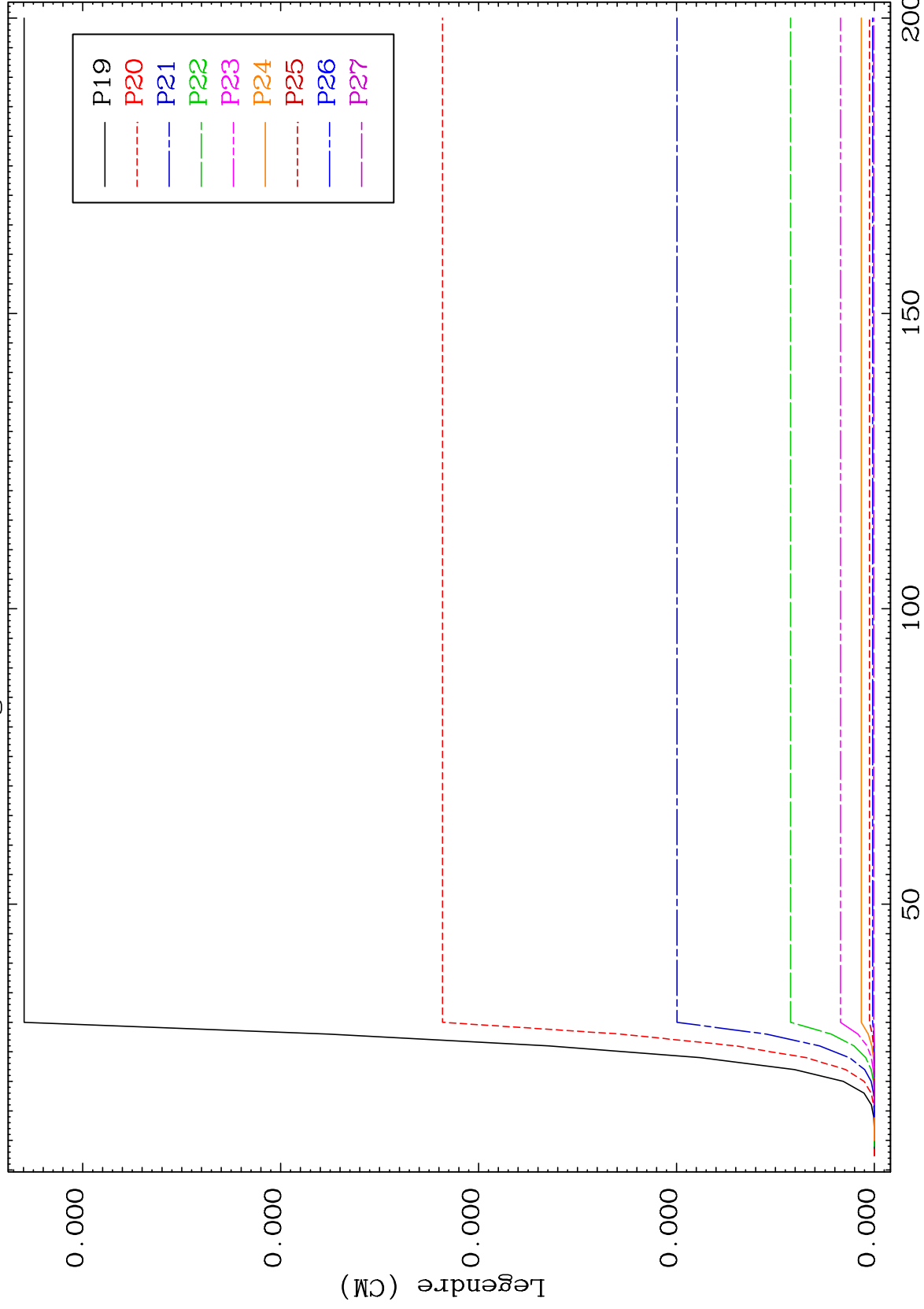
42-Mo-101



MAT 4252

867.8 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



128

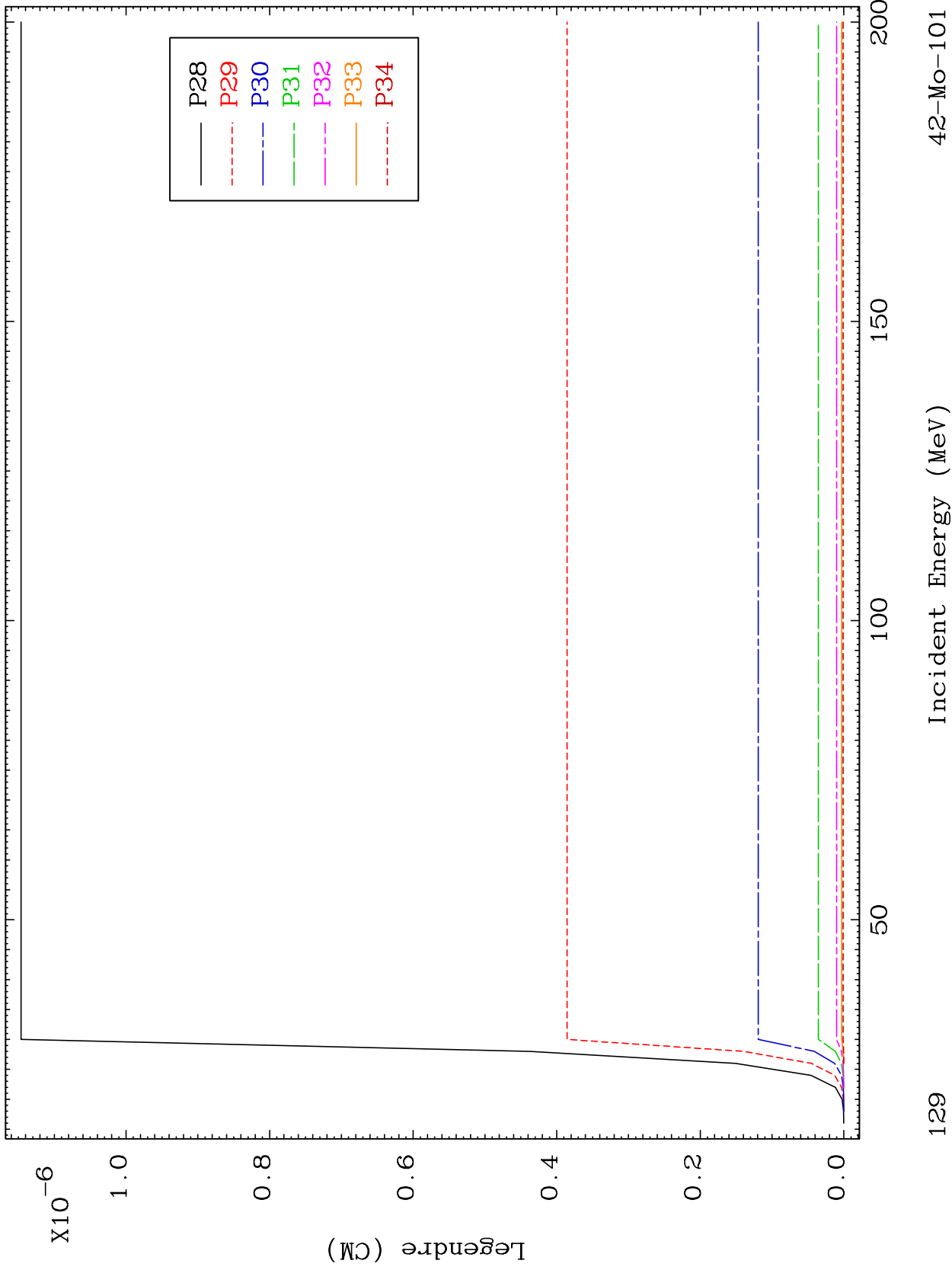
Incident Energy (MeV)

42-Mo-101

MAT 4252

867.8 keV (n,n') Level  
Legendre Coefficients

42-Mo-101



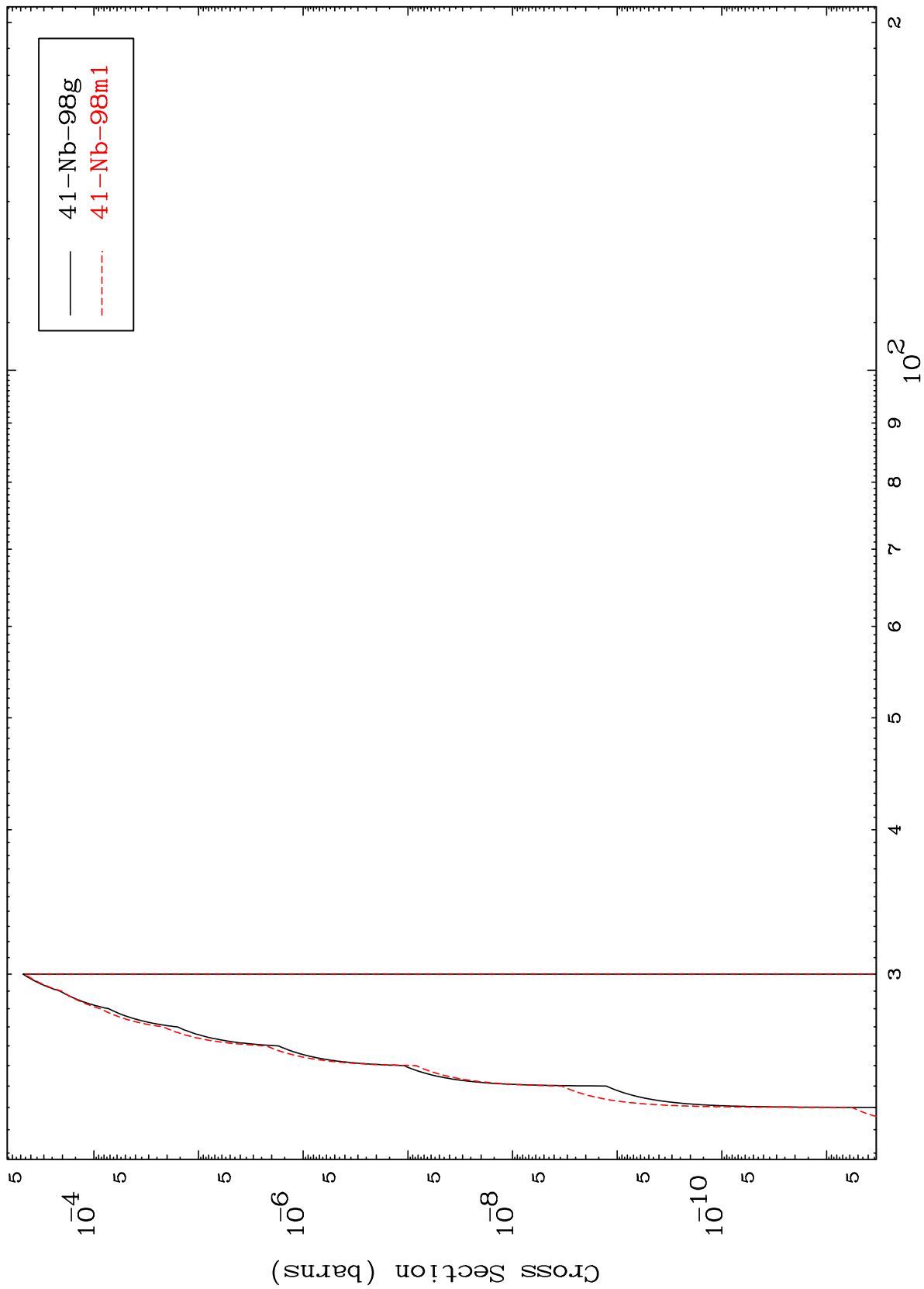
129

MAT 4252

(n,2n) d

42-Mo-101

Radionuclide Production Cross Section

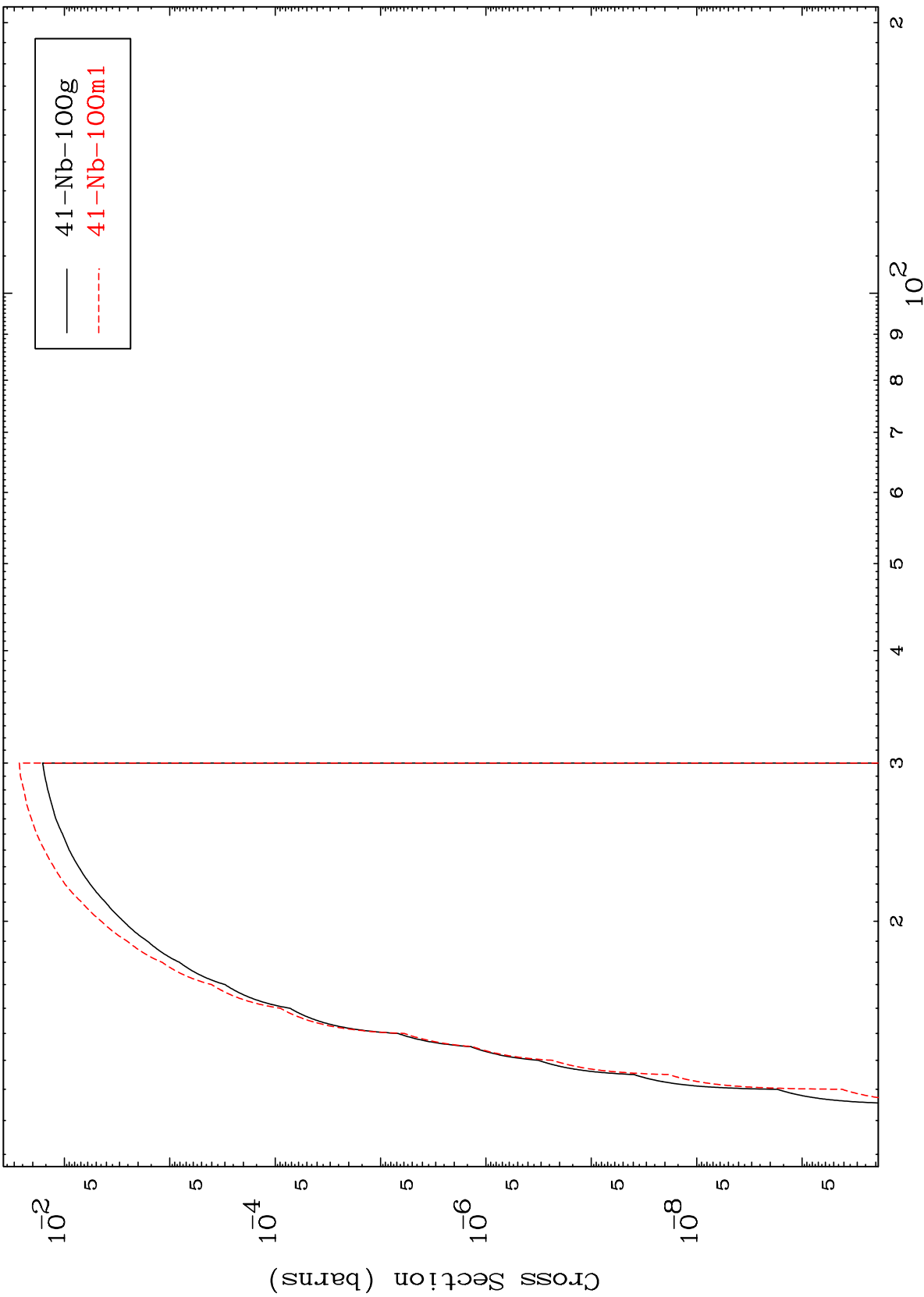


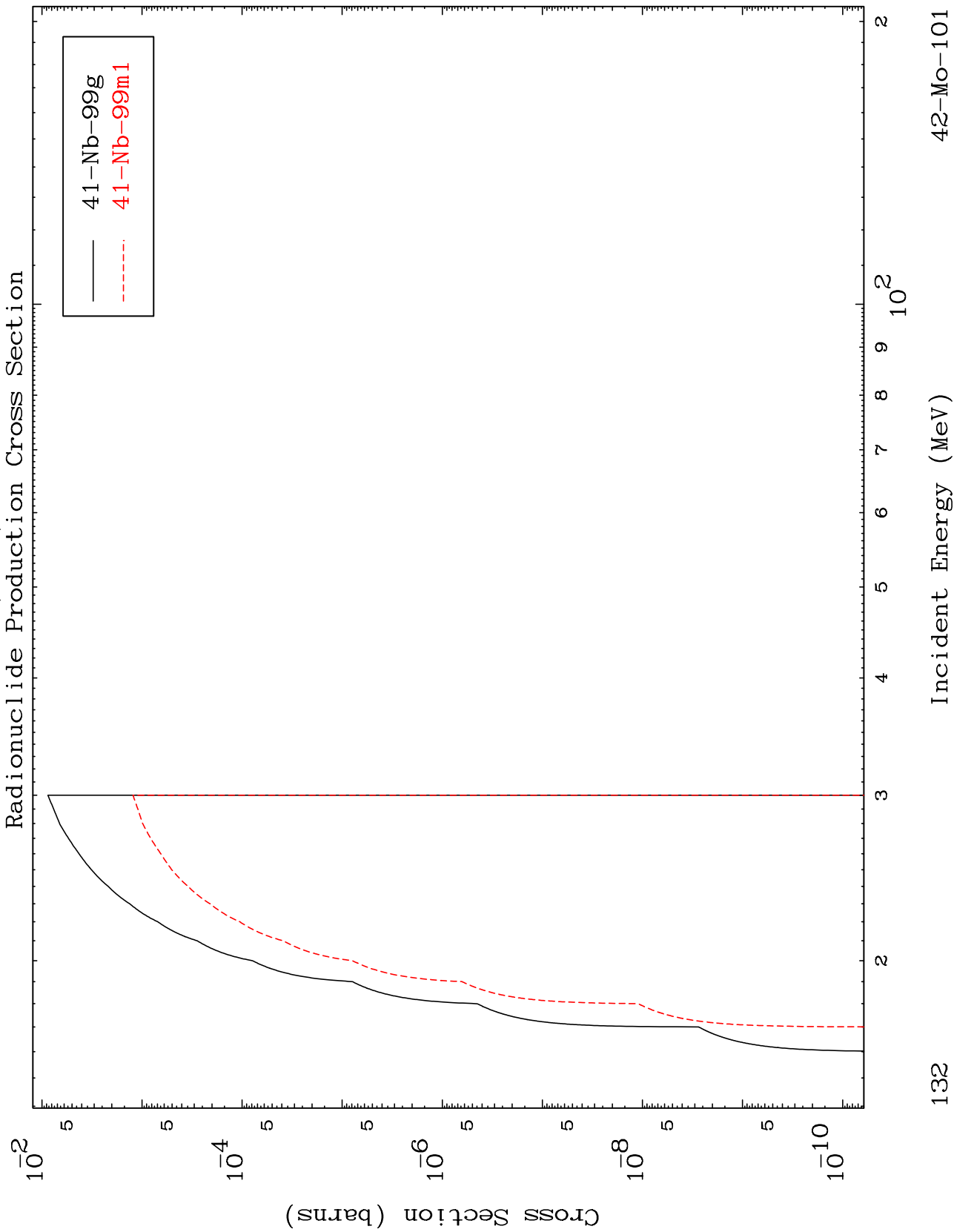
130

Incident Energy (MeV)

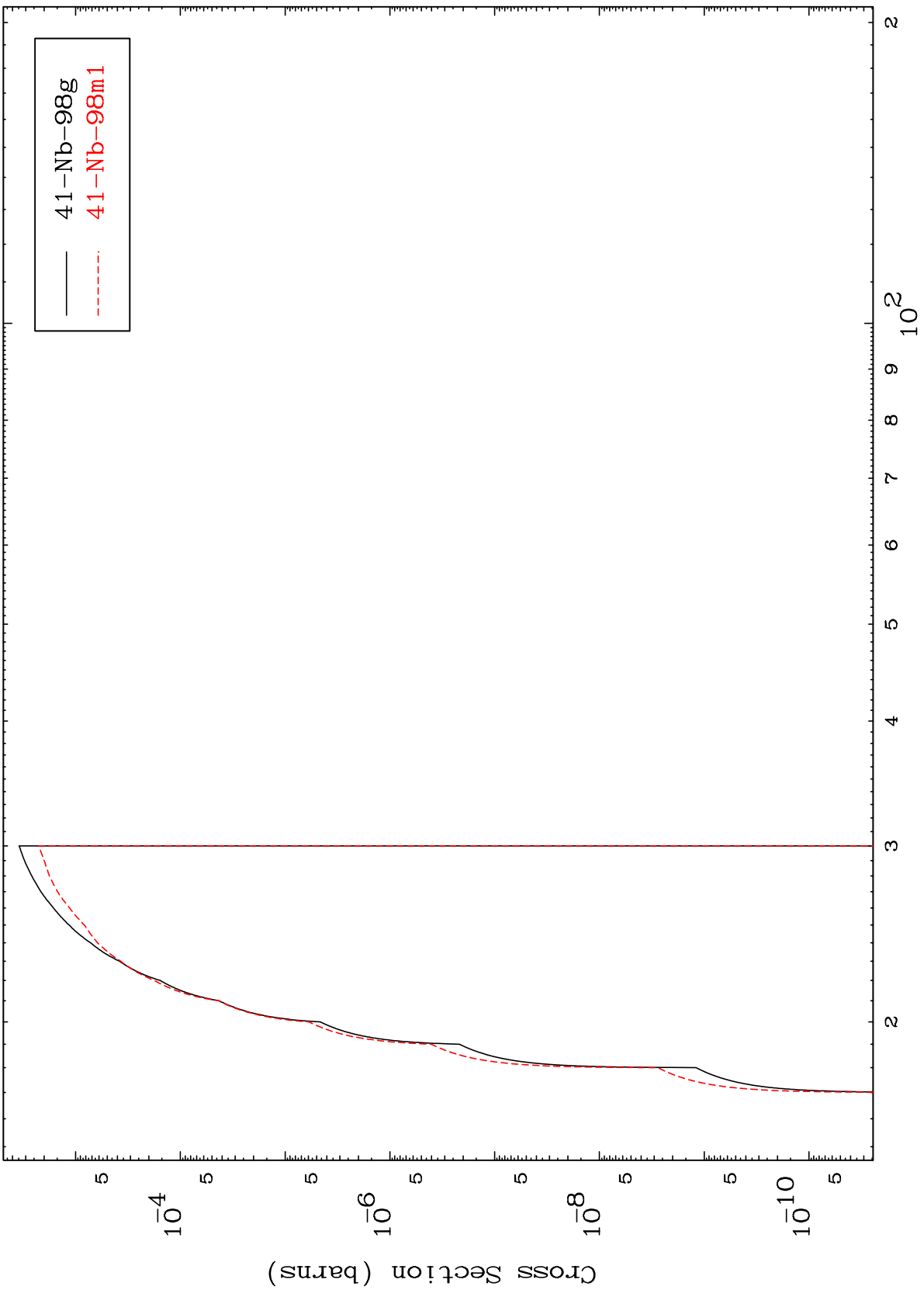
42-Mo-101

(n,n') p  
Radionuclide Production Cross Section

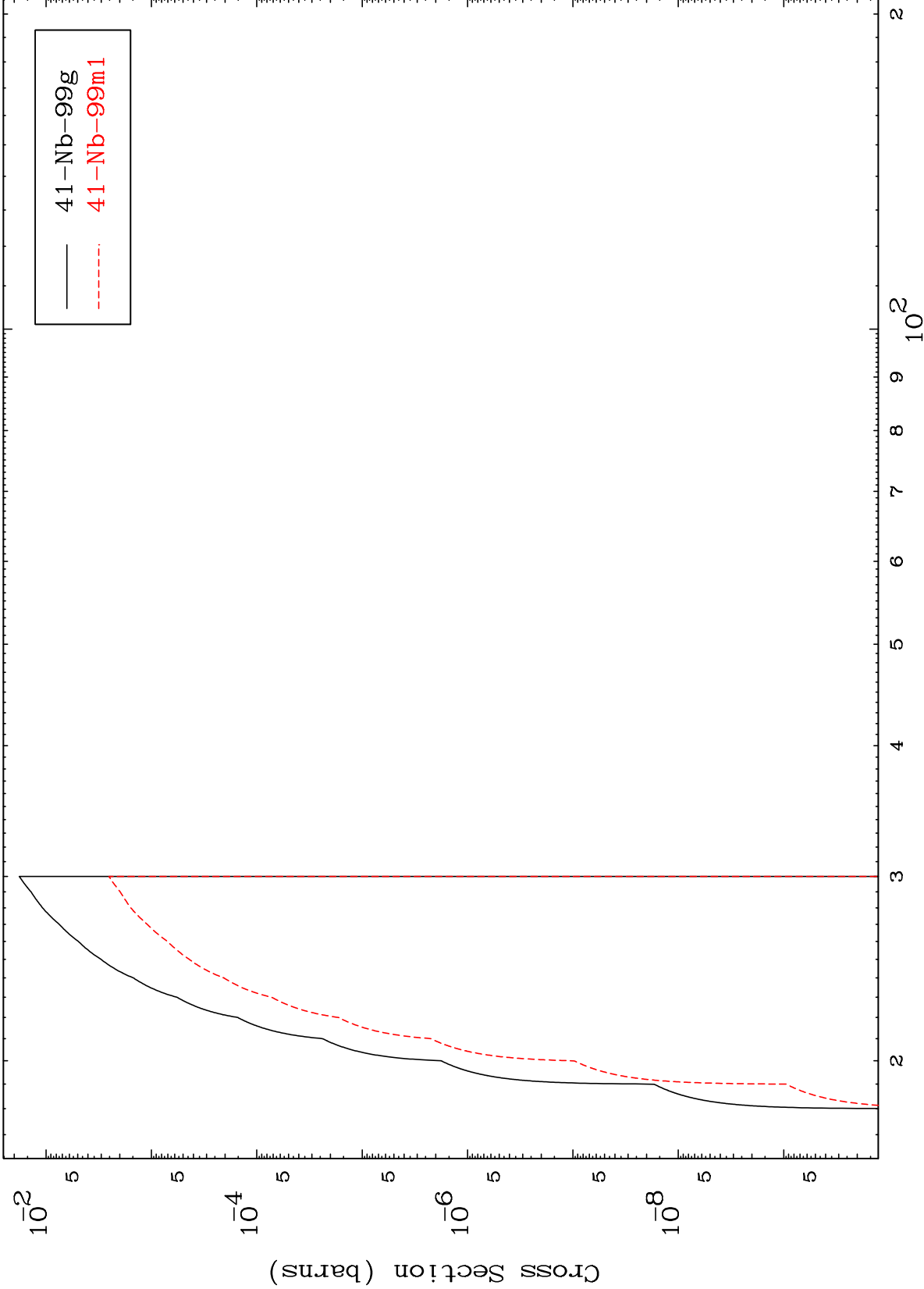




Radionuclide Production Cross Section



Radionuclide Production Cross Section



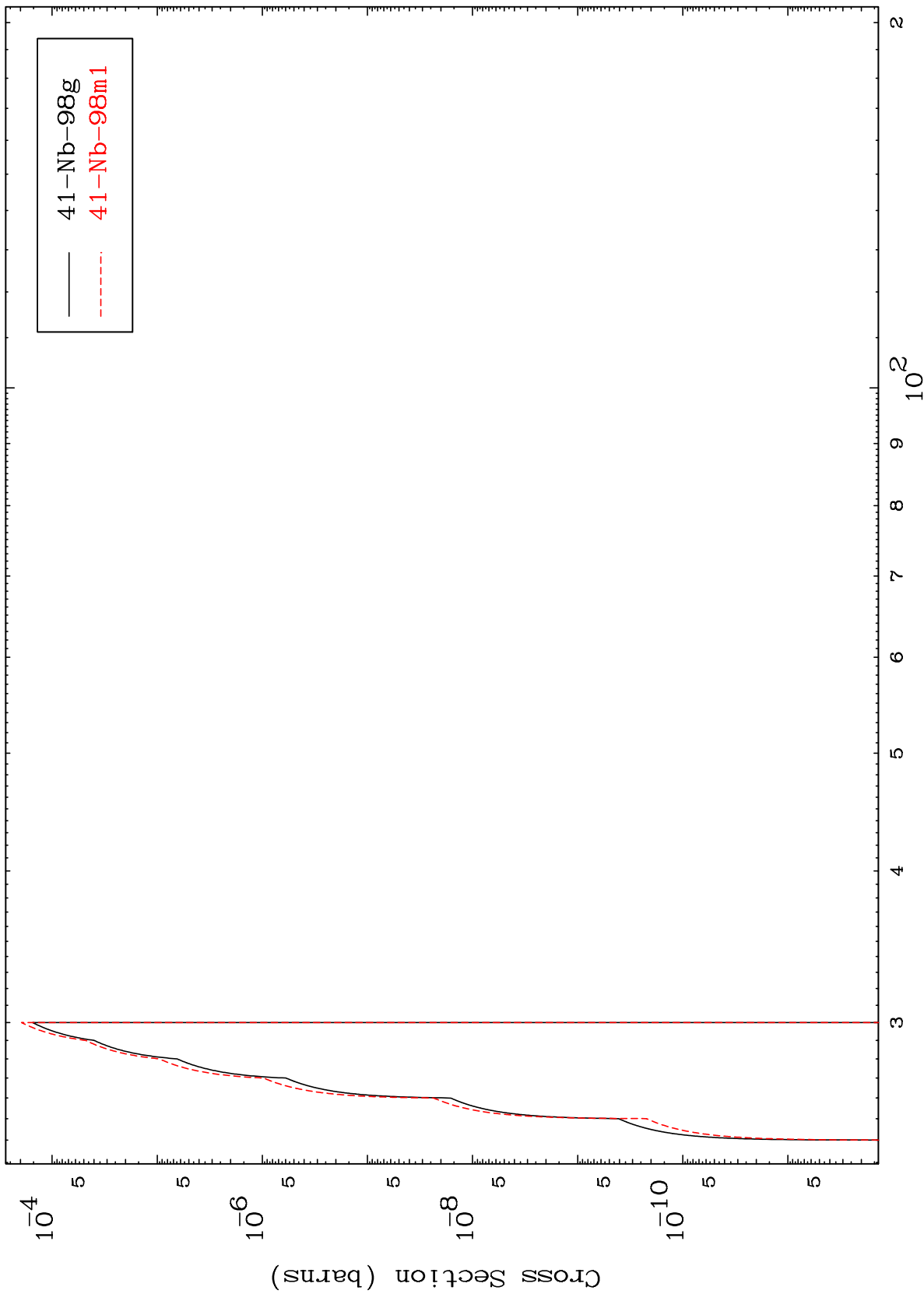
41-Nb-99g  
41-Nb-99m1

MAT 4252

(n,3n) p

42-Mo-101

Radionuclide Production Cross Section



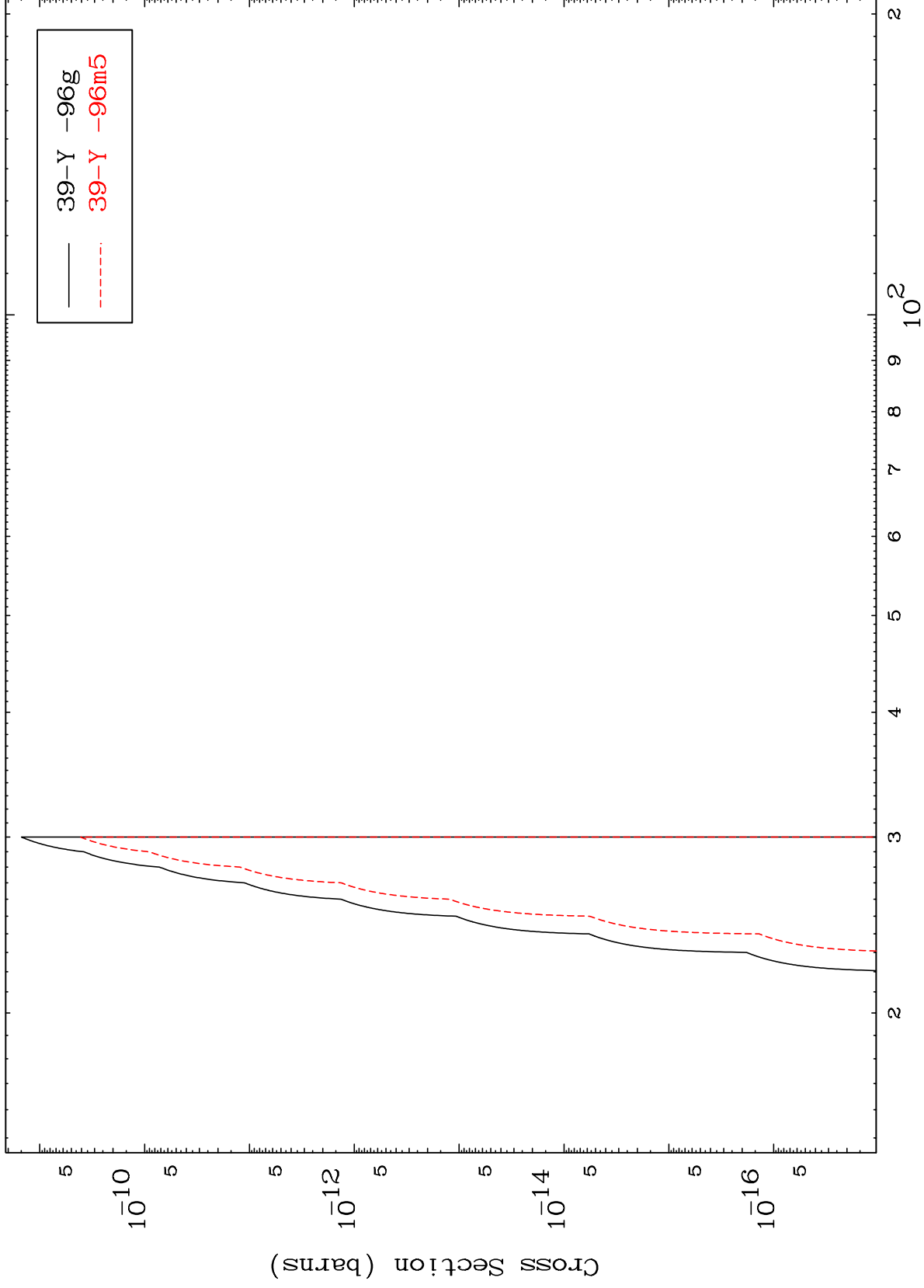
135

Incident Energy (MeV)

42-Mo-101



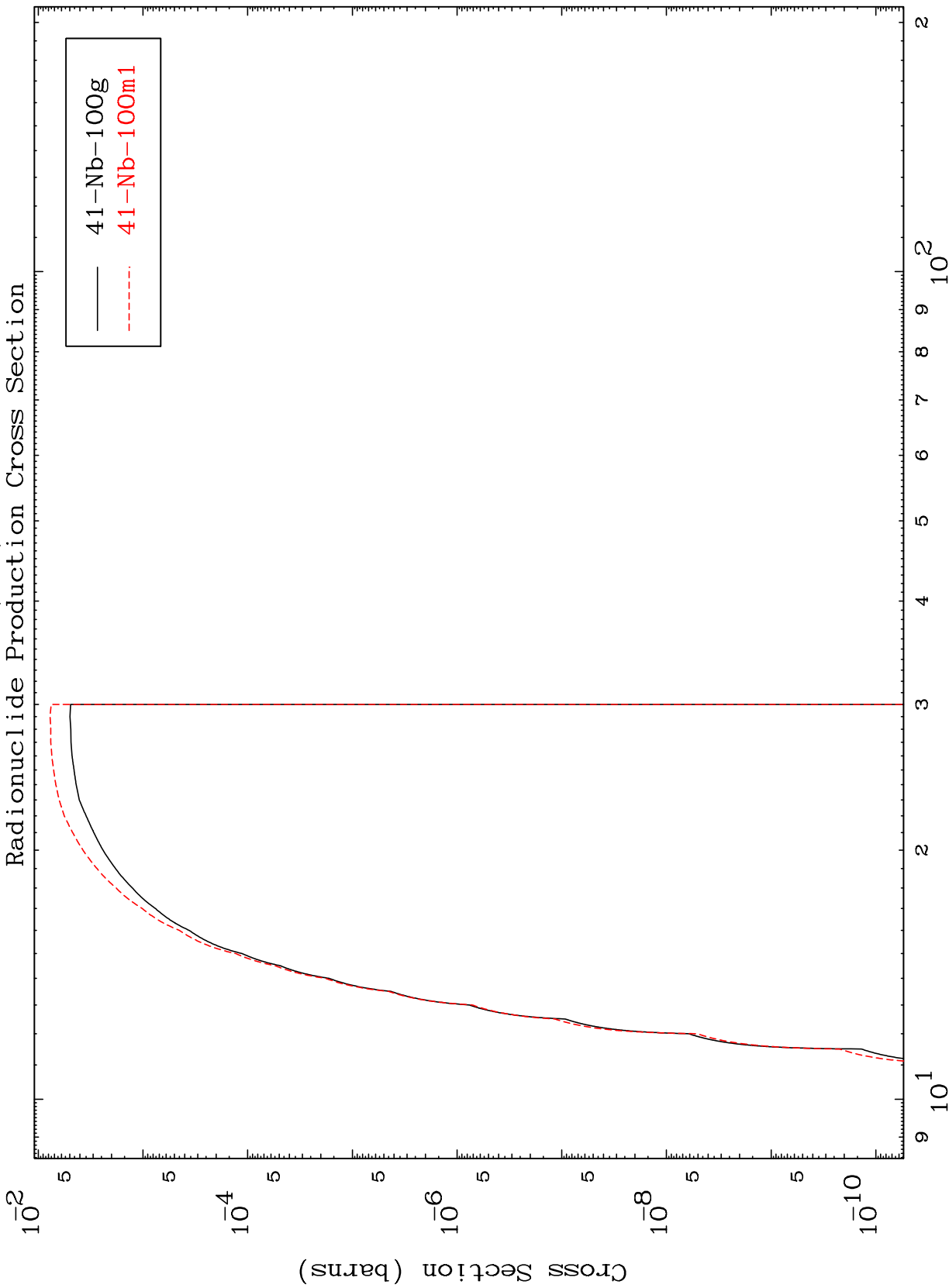
Radionuclide Production Cross Section



MAT 4252

42-Mo-101

(n,d)  
Radionuclide Production Cross Section

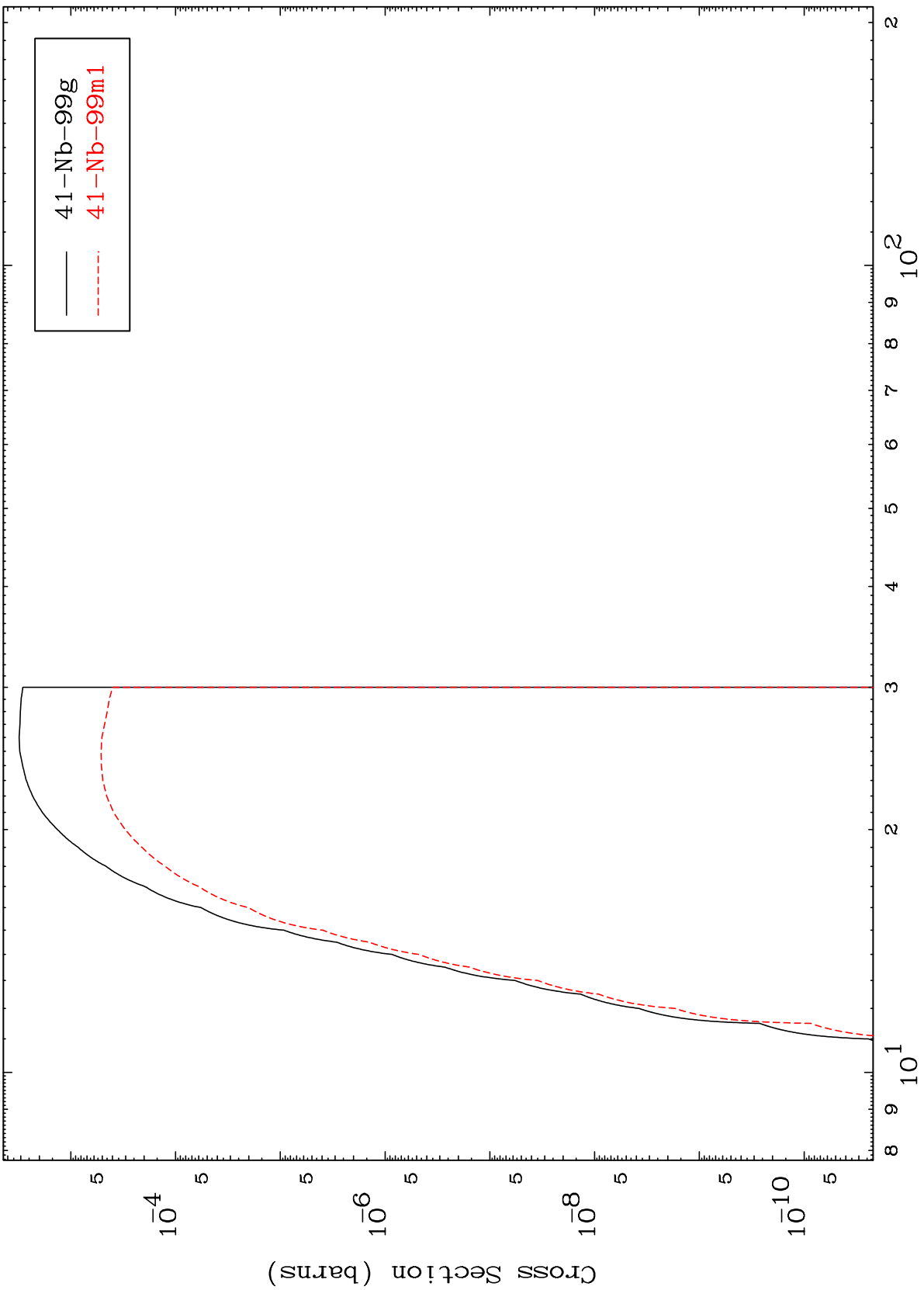


42-Mo-101

Incident Energy (MeV)

137

(n, t)  
Radionuclide Production Cross Section

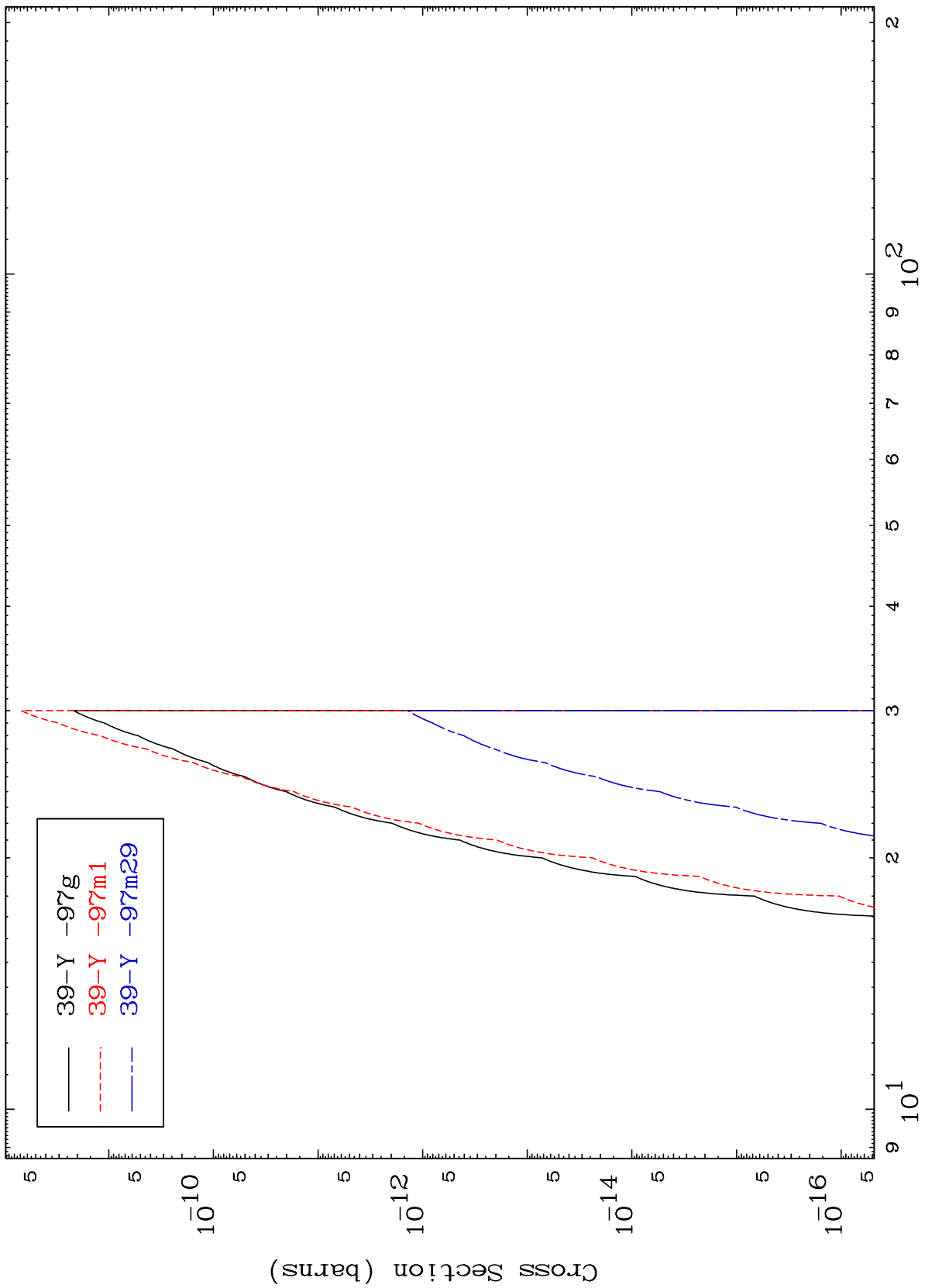


MAT 4252

(n,p)  $\alpha$

42-Mo-101

Radionuclide Production Cross Section



139

Incident Energy (MeV)

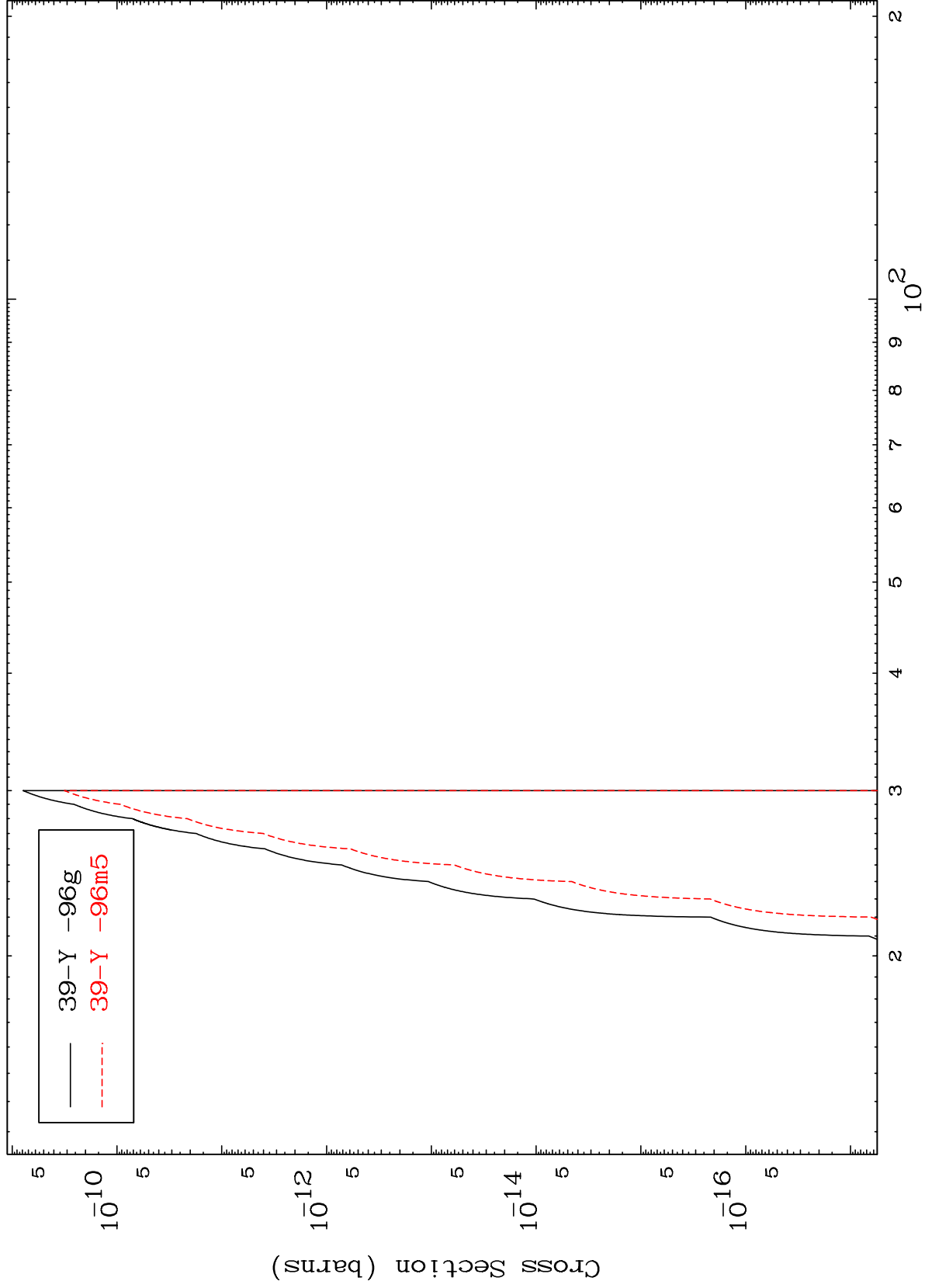
42-Mo-101

MAT 4252

(n,d)  $\alpha$

42-Mo-101

Radionuclide Production Cross Section



140

Incident Energy (MeV)

42-Mo-101