

Program EVALPLOT  
(Version 2015-2)

by

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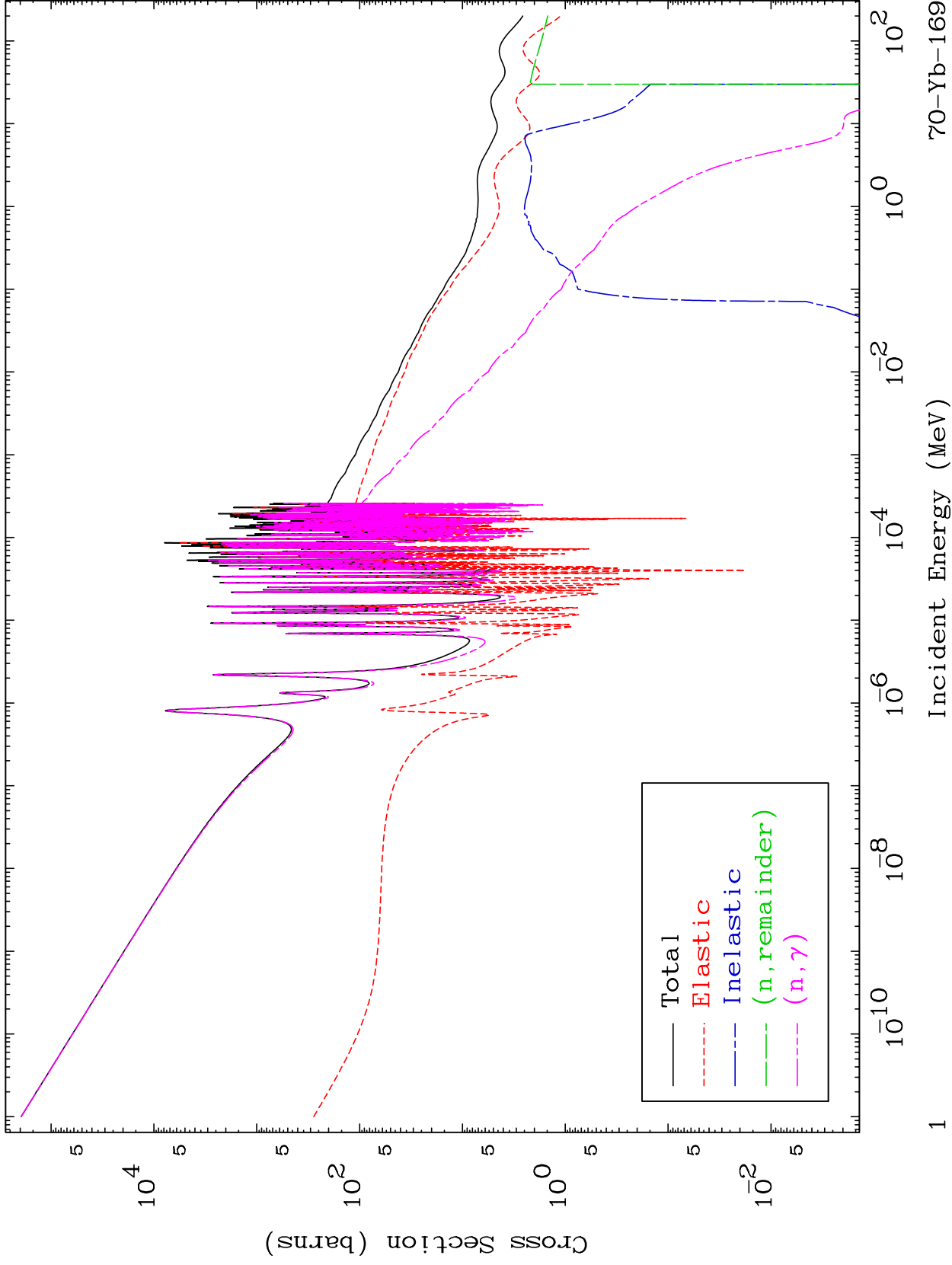
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 7028

Major  
293 Kelvin Cross Sections

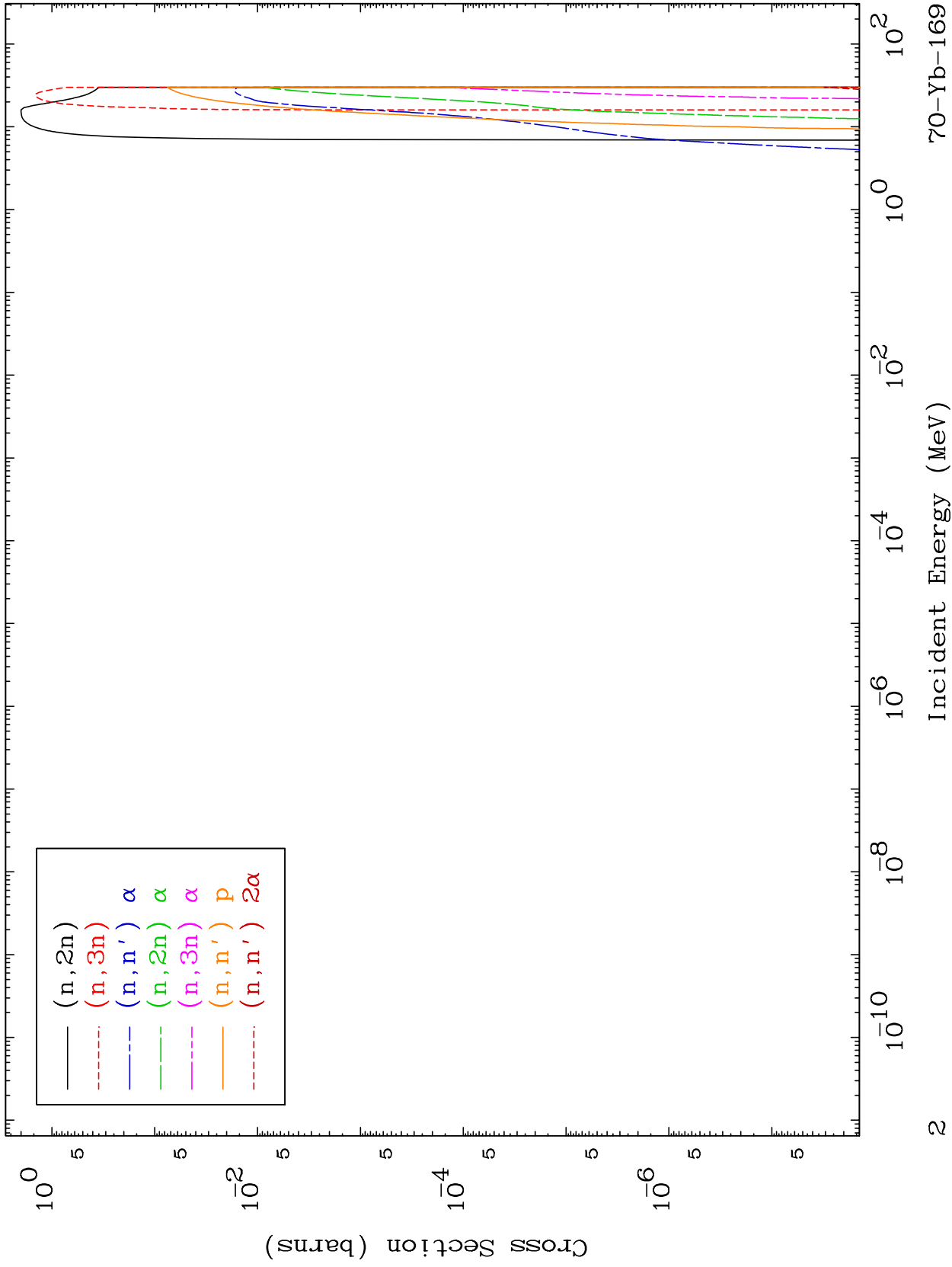
70-Yb-169



MAT 7028

Neutron Production  
293 Kelvin Cross Sections

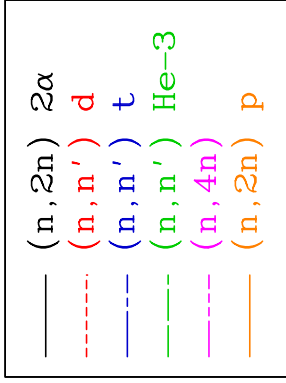
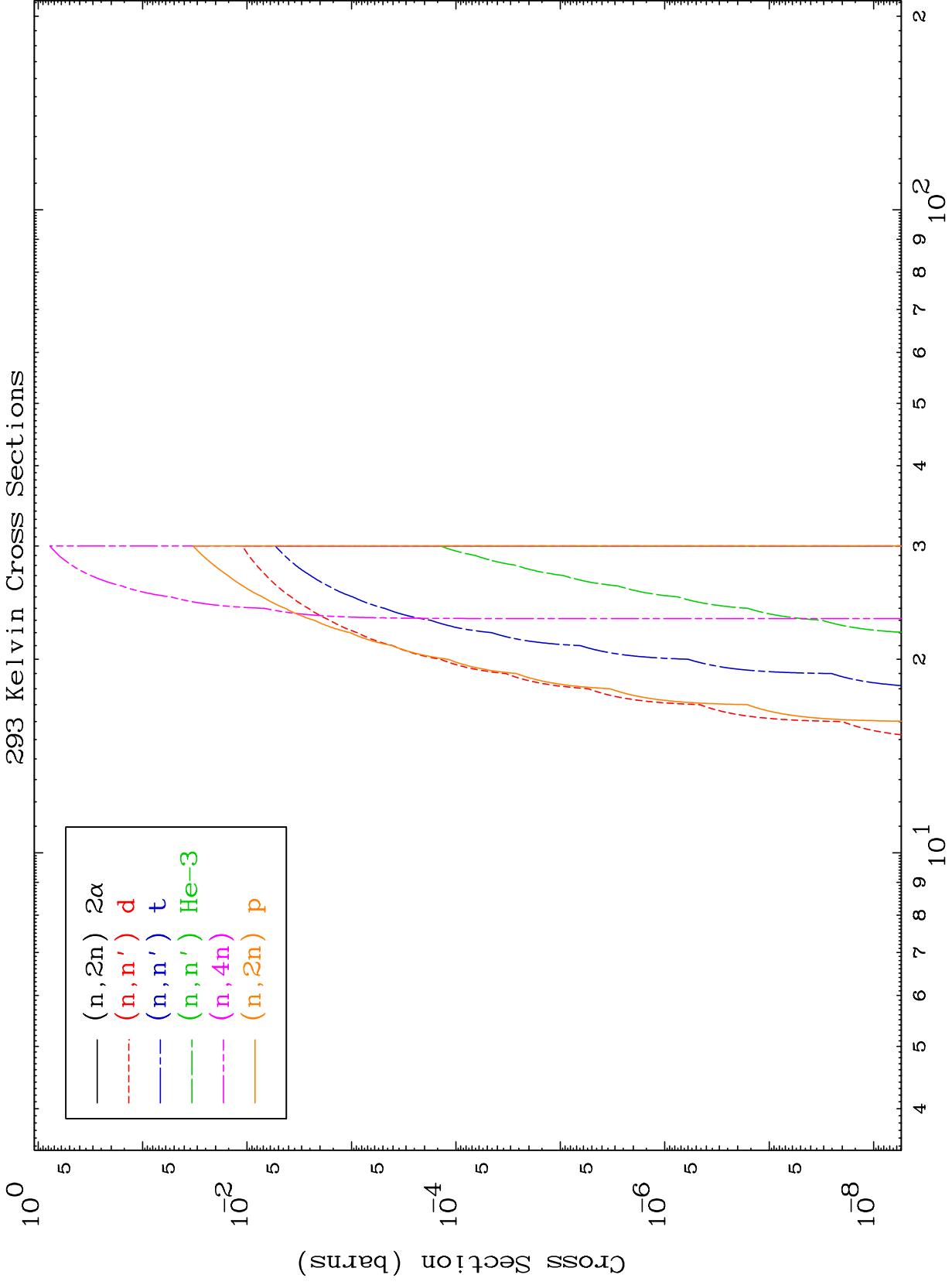
70-Yb-169



MAT 7028

Neutron Production  
293 Kelvin Cross Sections

70-Yb-169



70-Yb-169

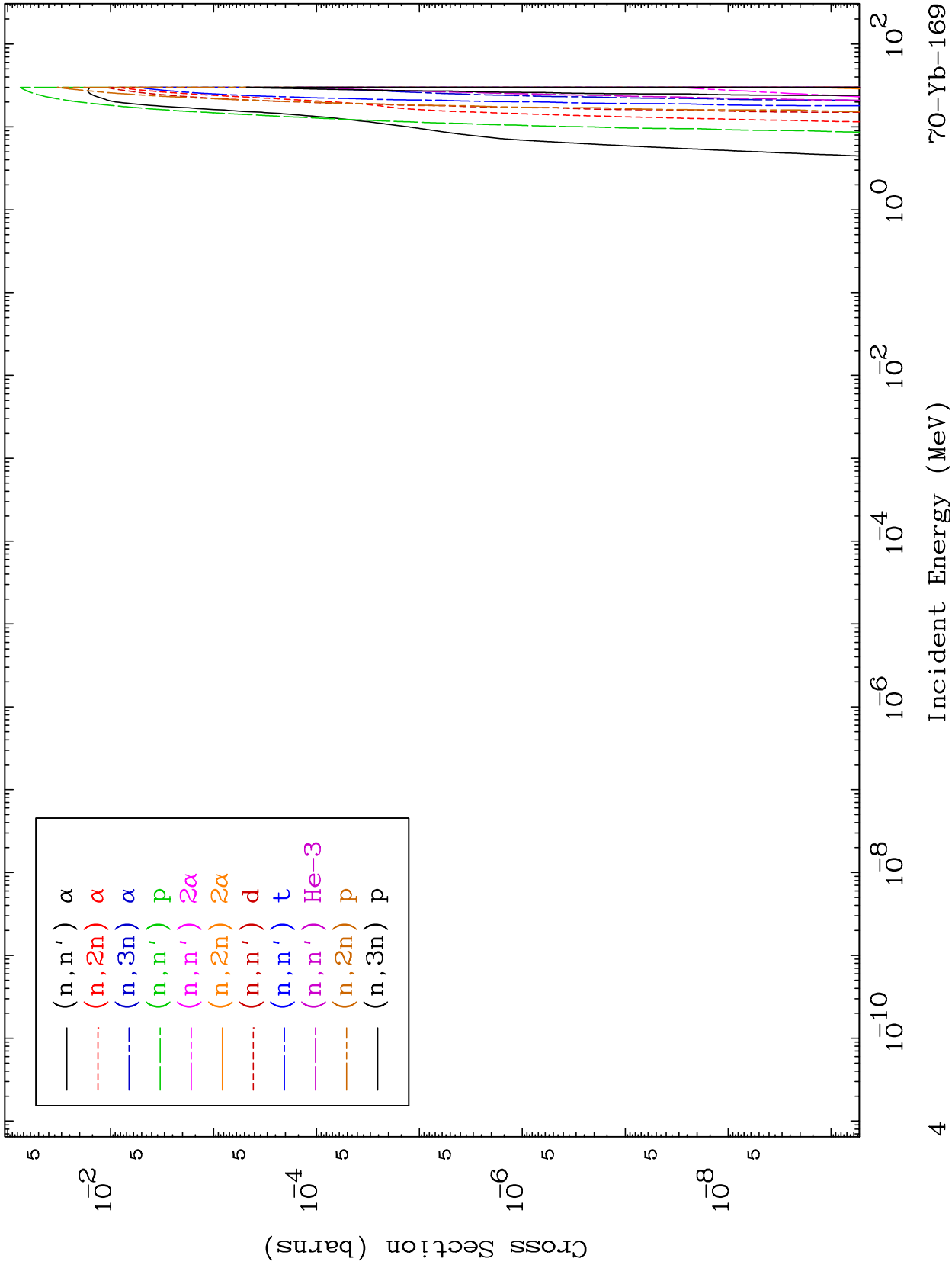
Incident Energy (MeV)

3

MAT 7028

Charged Particle  
293 Kelvin Cross Sections

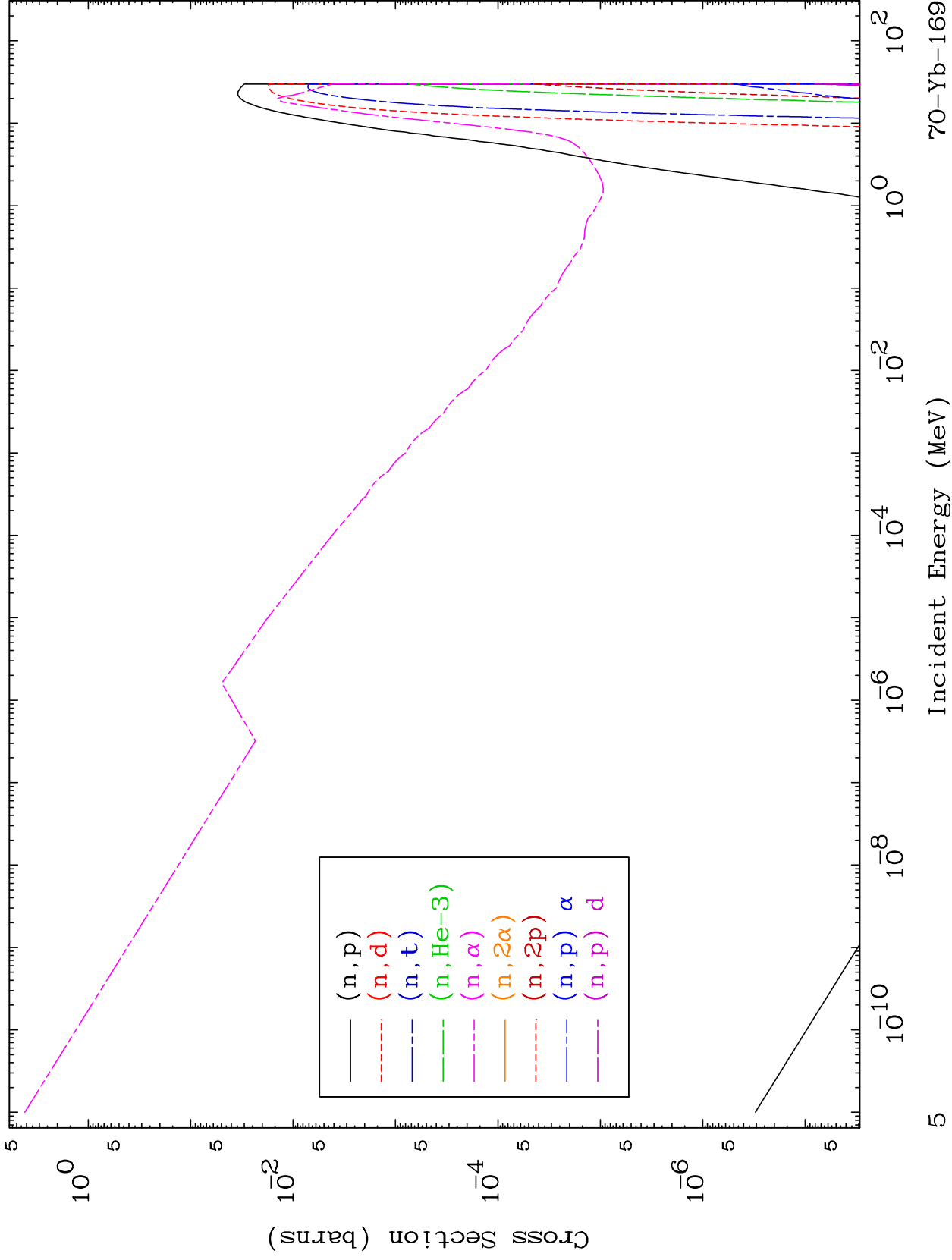
70-Yb-169



MAT 7028

Charged Particle  
293 Kelvin Cross Sections

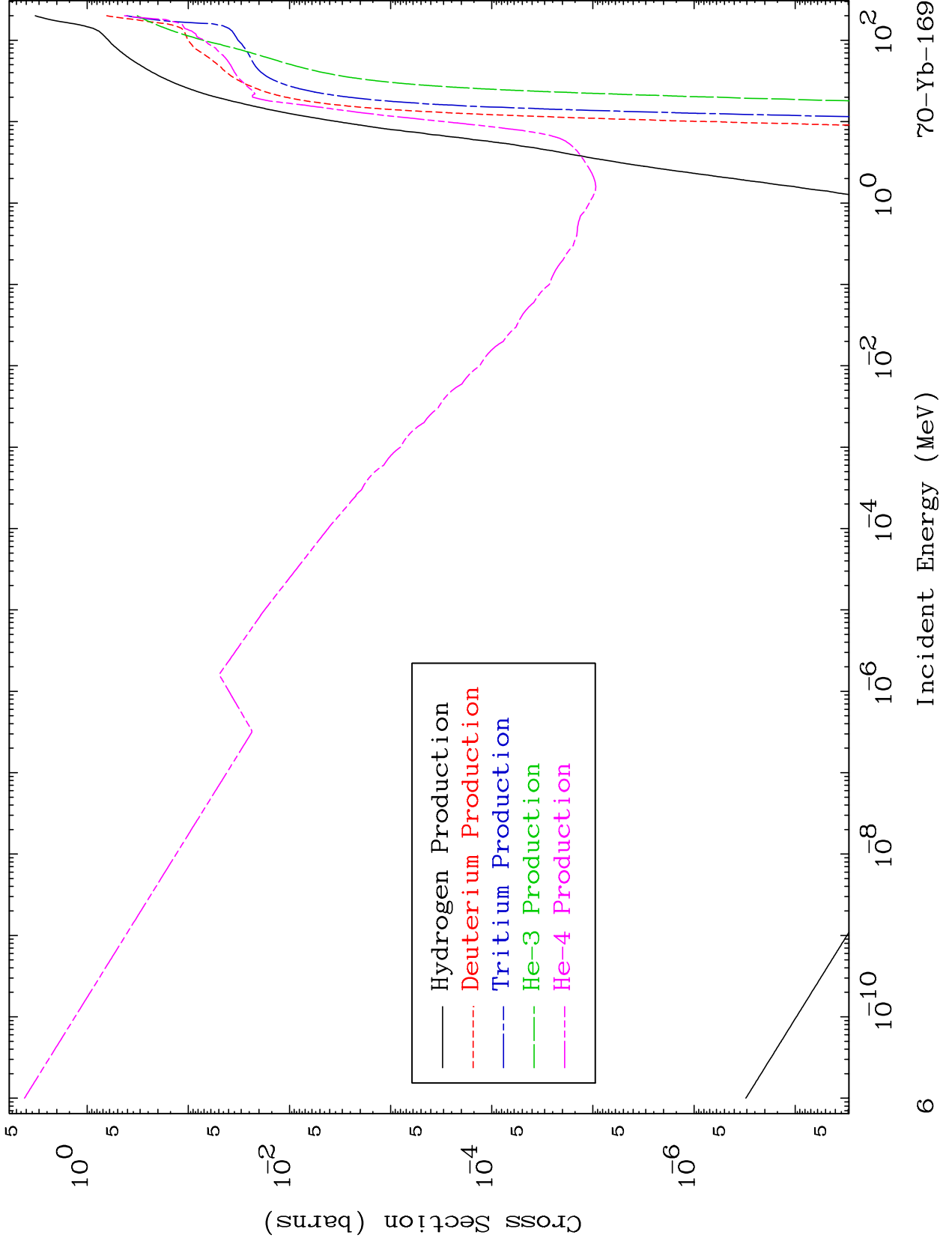
70-Yb-169



MAT 7028

Particle Production  
293 Kelvin Cross Sections

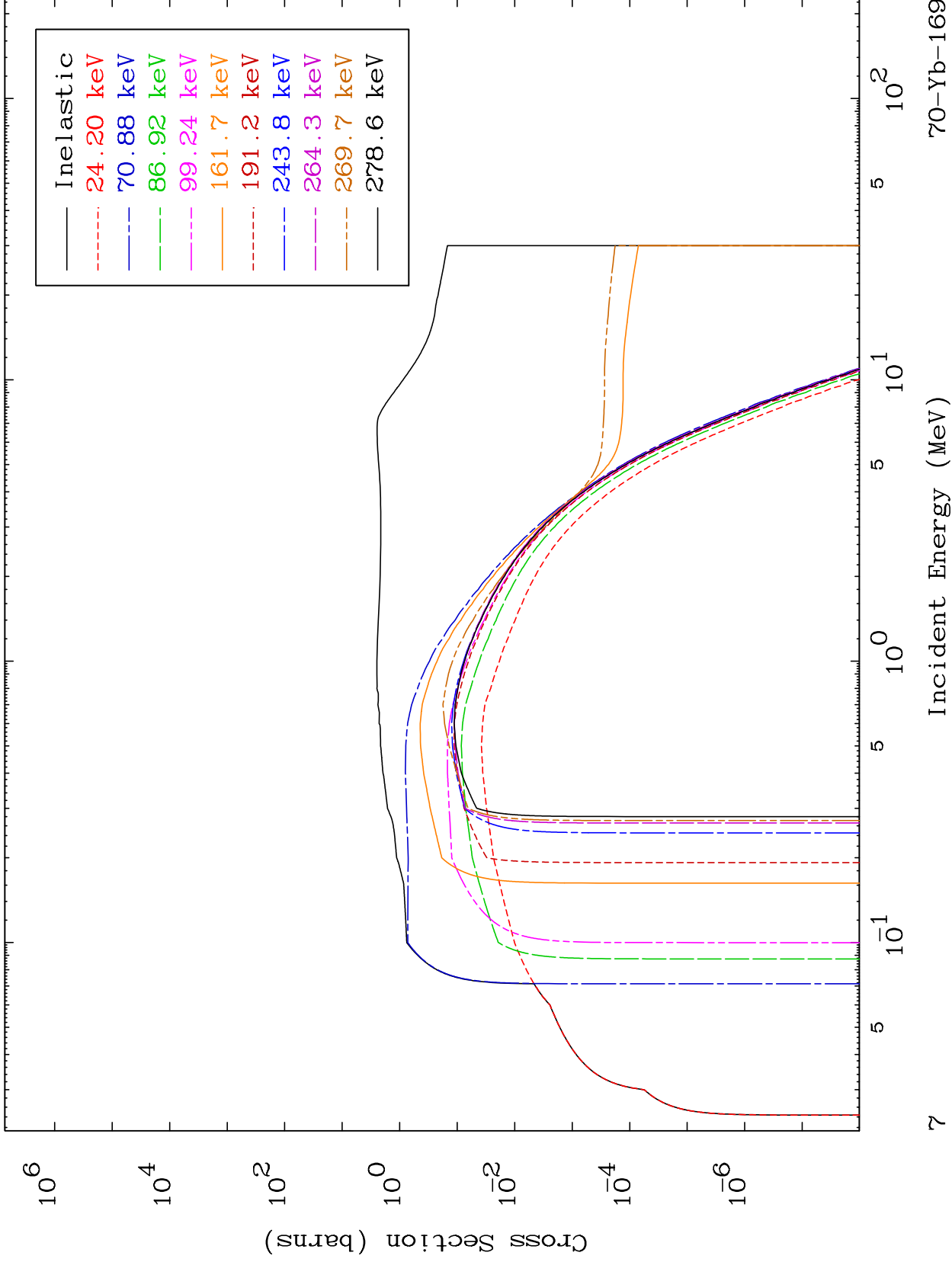
70-Yb-169



MAT 7028

(n,n') Level  
293 Kelvin Cross Sections

70-Yb-169

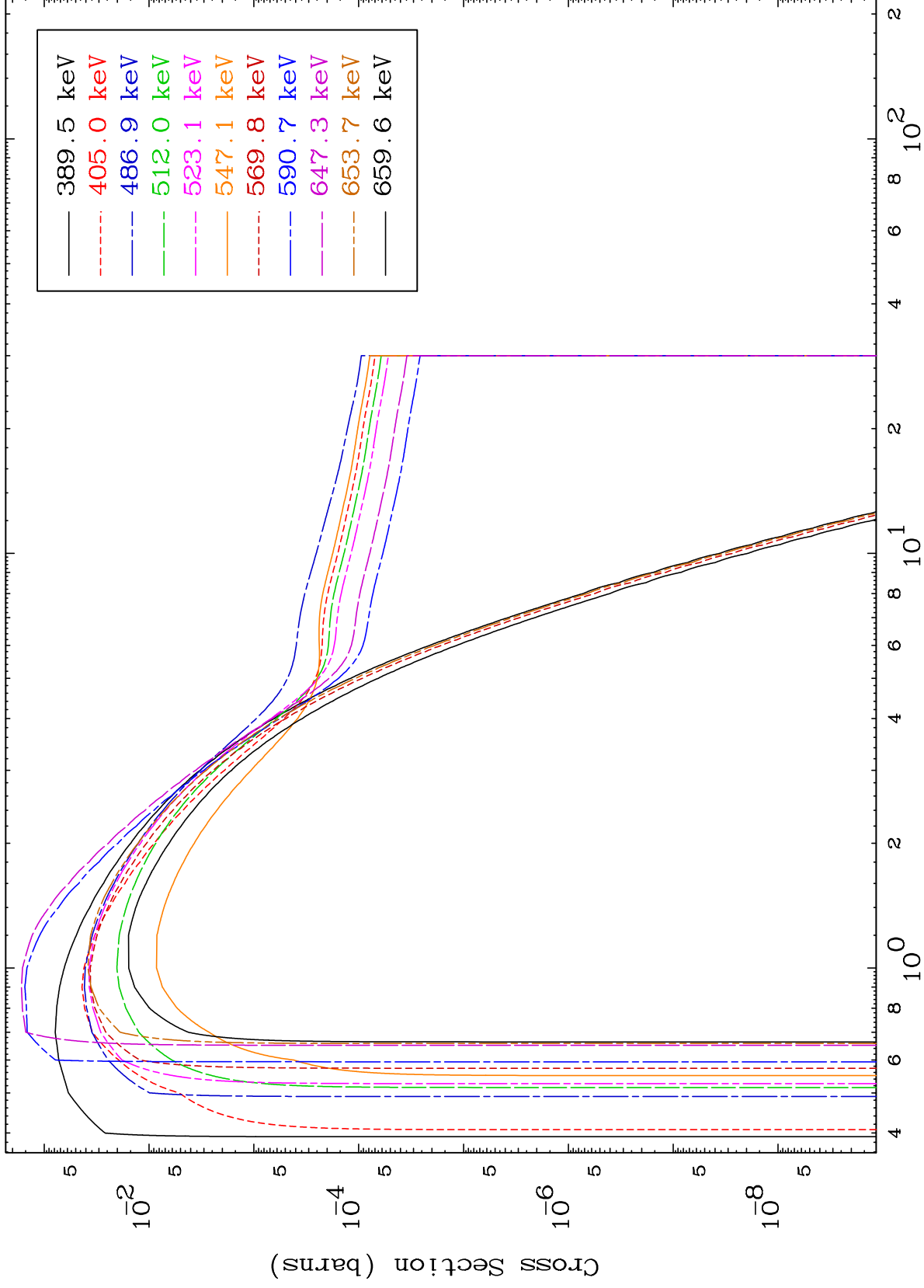




MAT 7028

(n,n') Level  
293 Kelvin Cross Sections

70-Yb-169



8

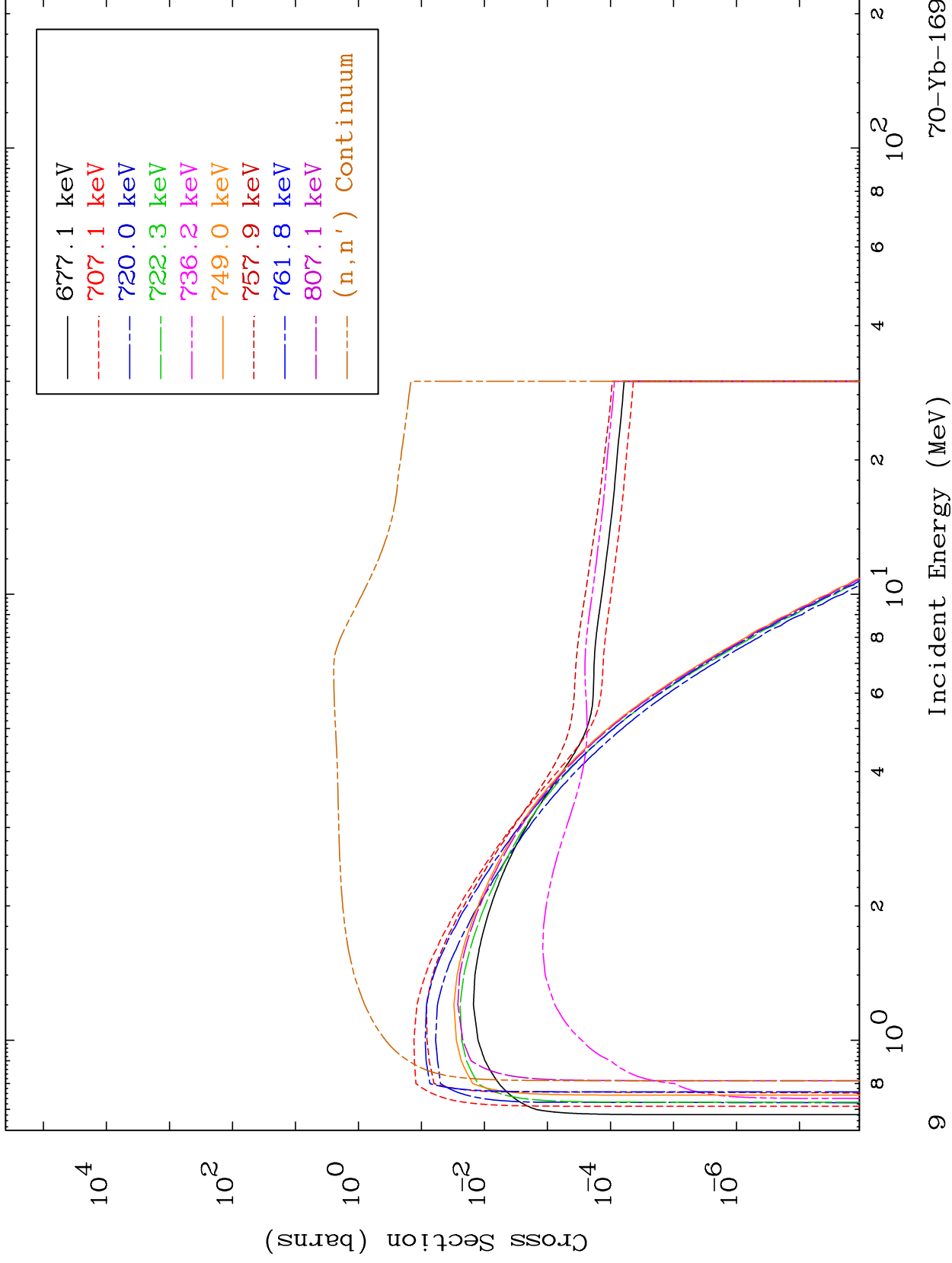
Incident Energy (MeV)

70-Yb-169

MAT 7028

(n,n') Level  
293 Kelvin Cross Sections

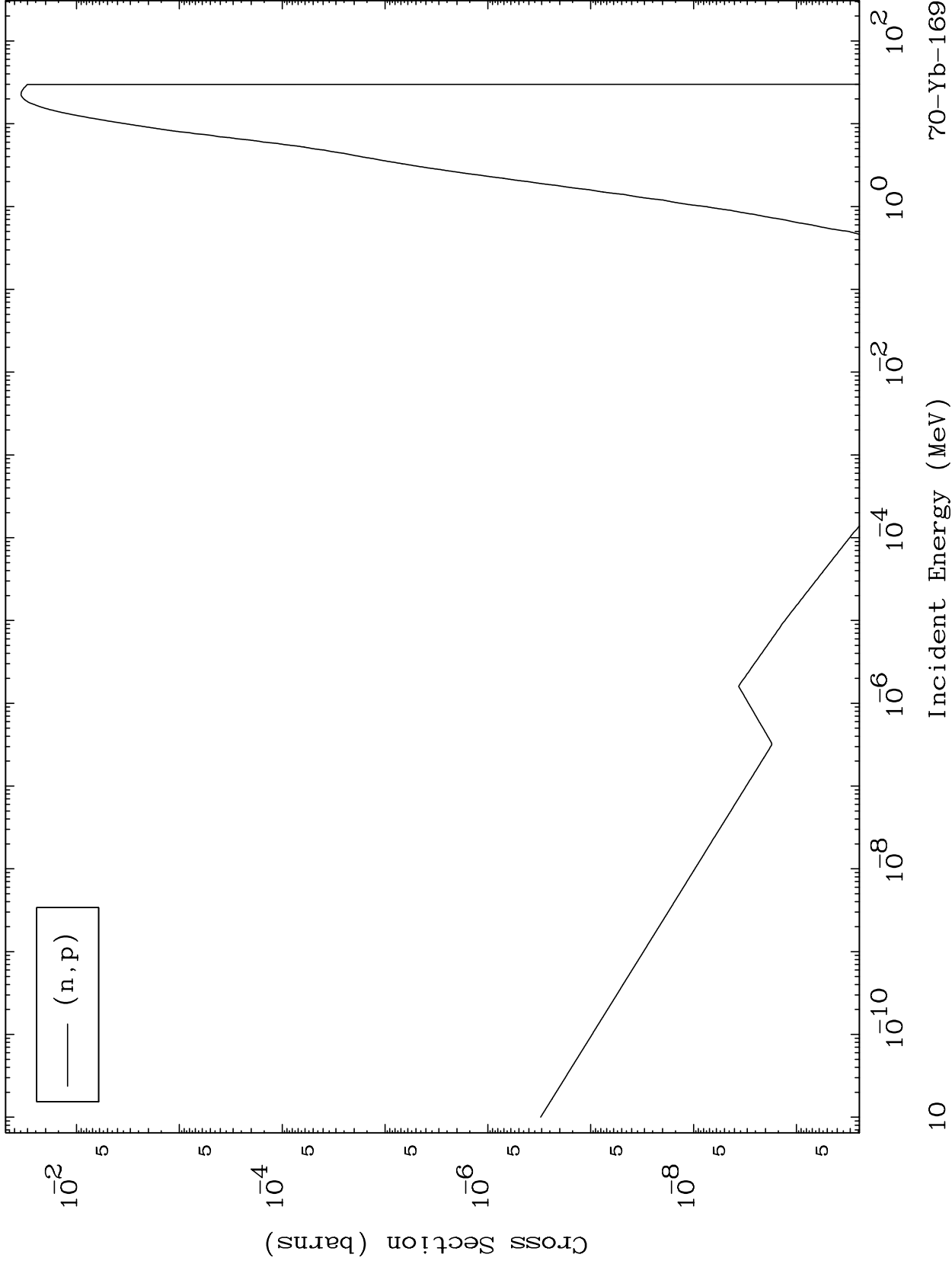
70-Yb-169



MAT 7028

(n,p) Levels  
293 Kelvin Cross Sections

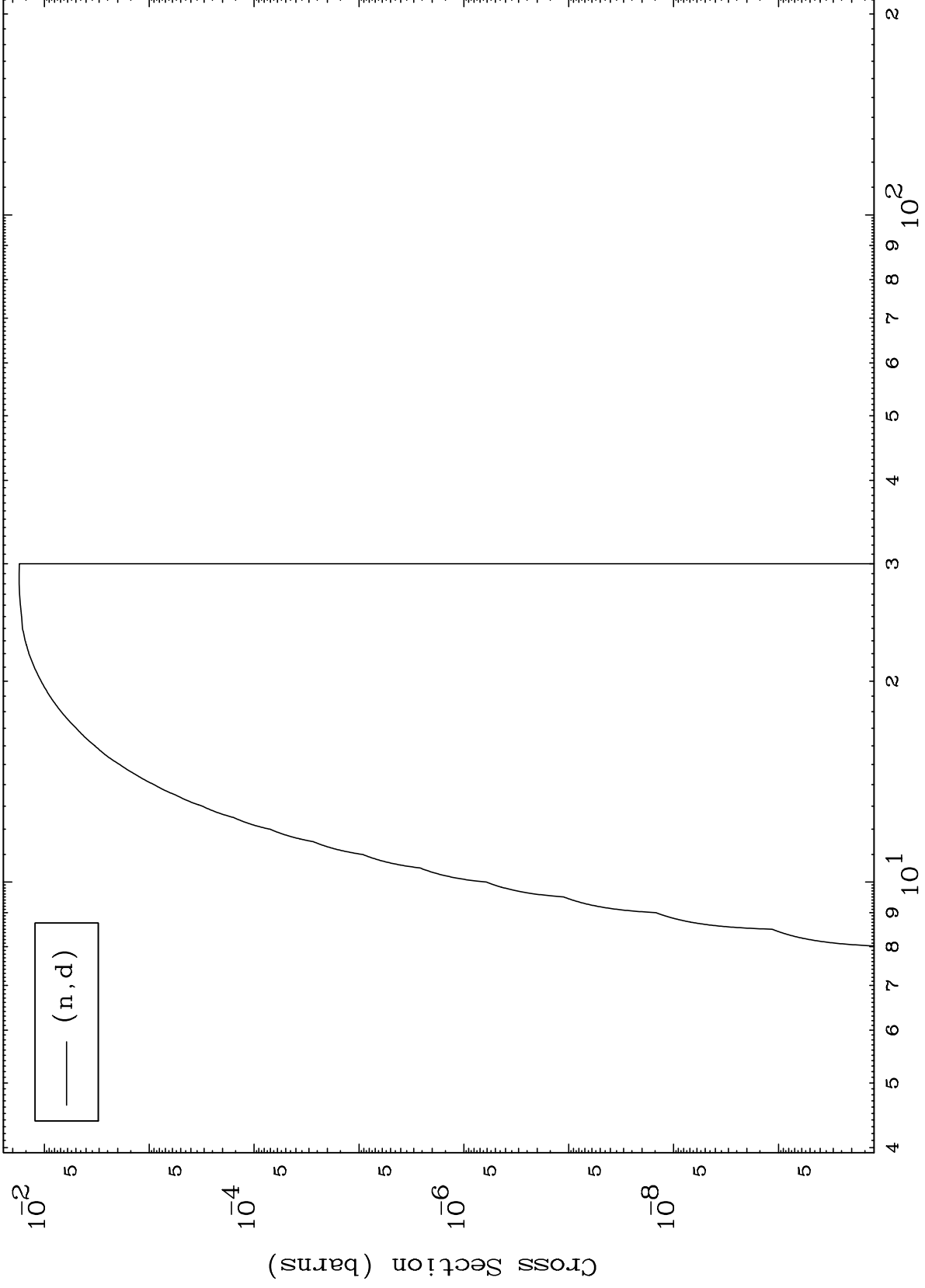
70-Yb-169



MAT 7028

(n,d) Levels  
293 Kelvin Cross Sections

70-Yb-169



(n,d)

70-Yb-169

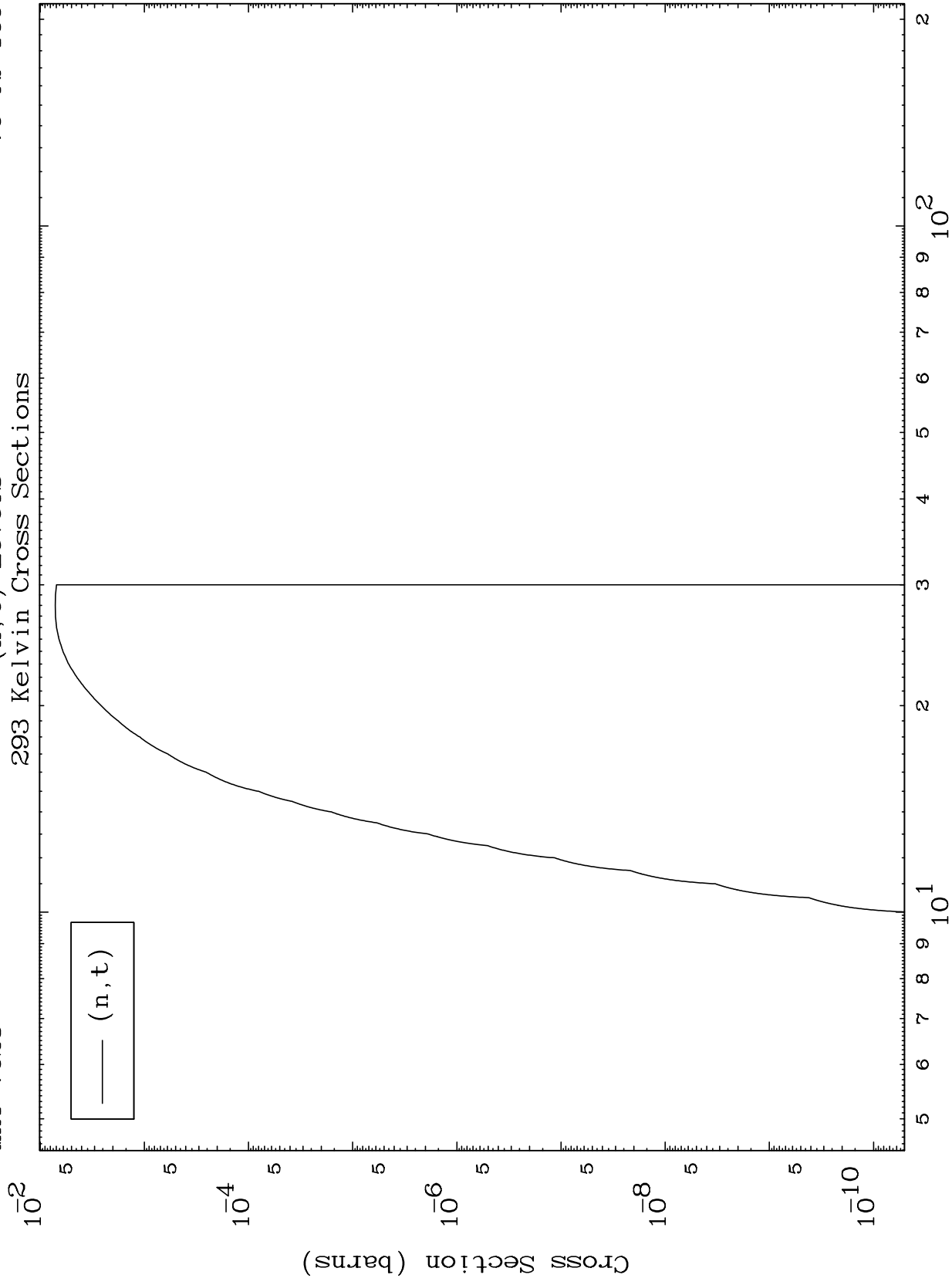
Incident Energy (MeV)

11

MAT 7028

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-169



12

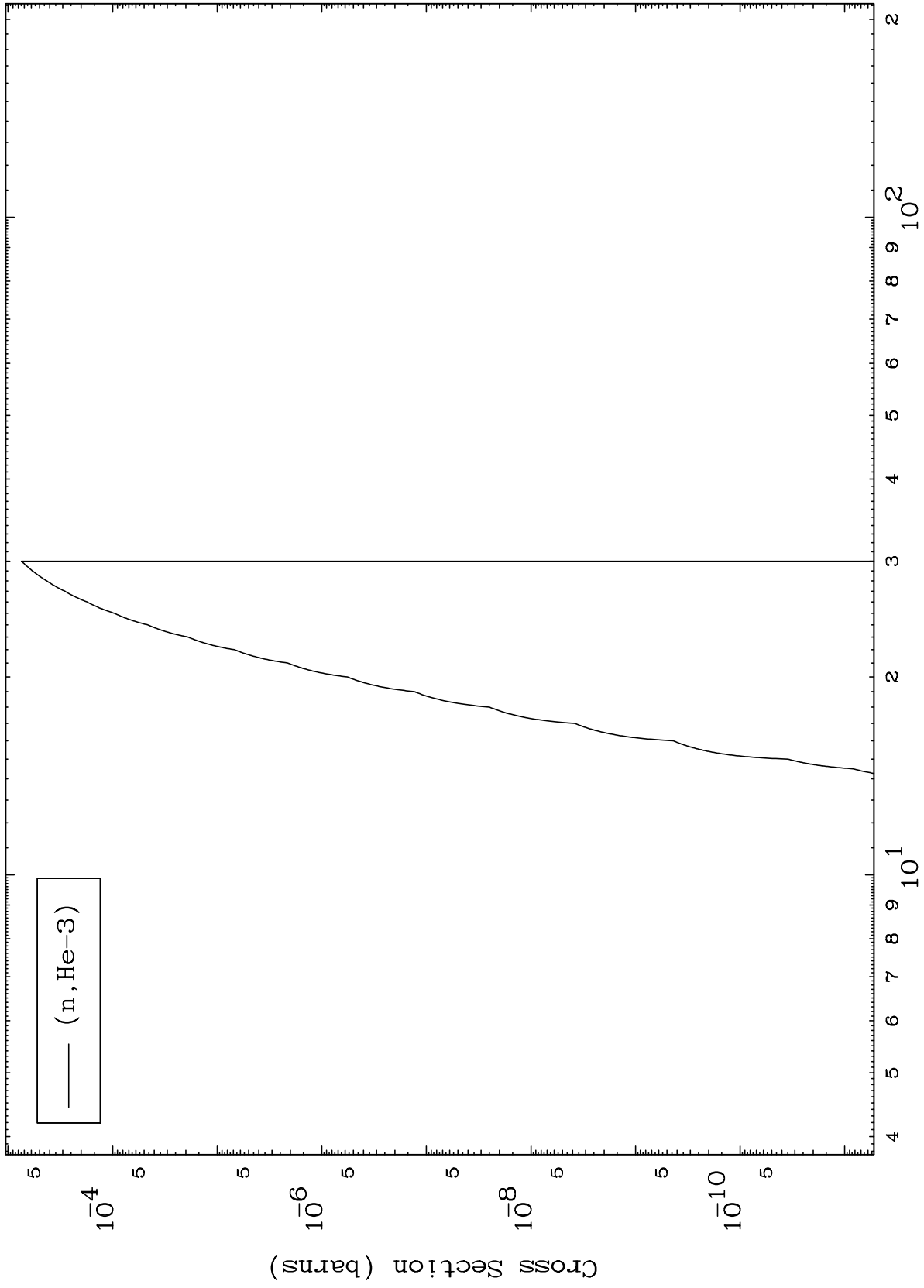
Incident Energy (MeV)

70-Yb-169

MAT 7028

(n,He3) Levels  
293 Kelvin Cross Sections

70-Yb-169



13

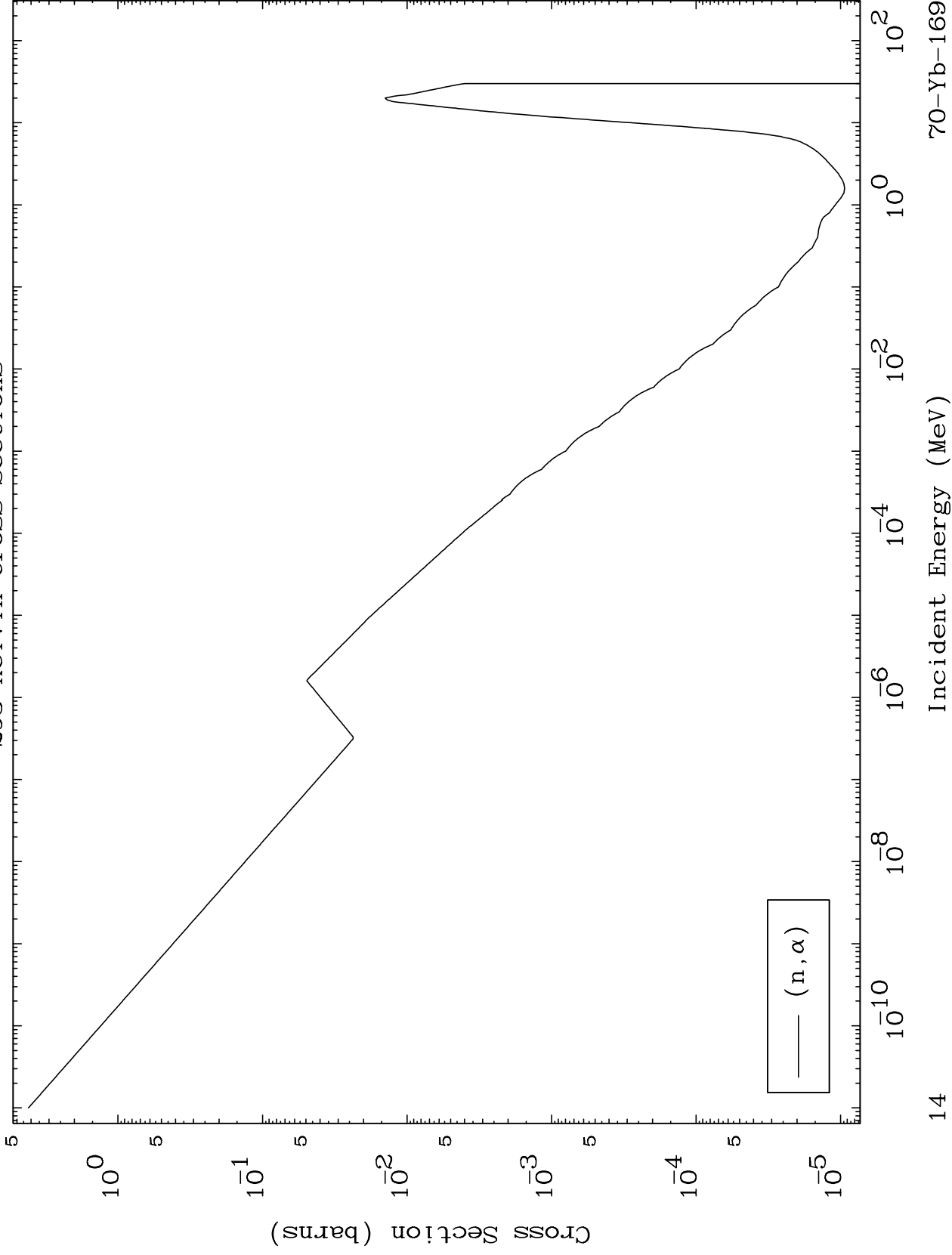
Incident Energy (MeV)

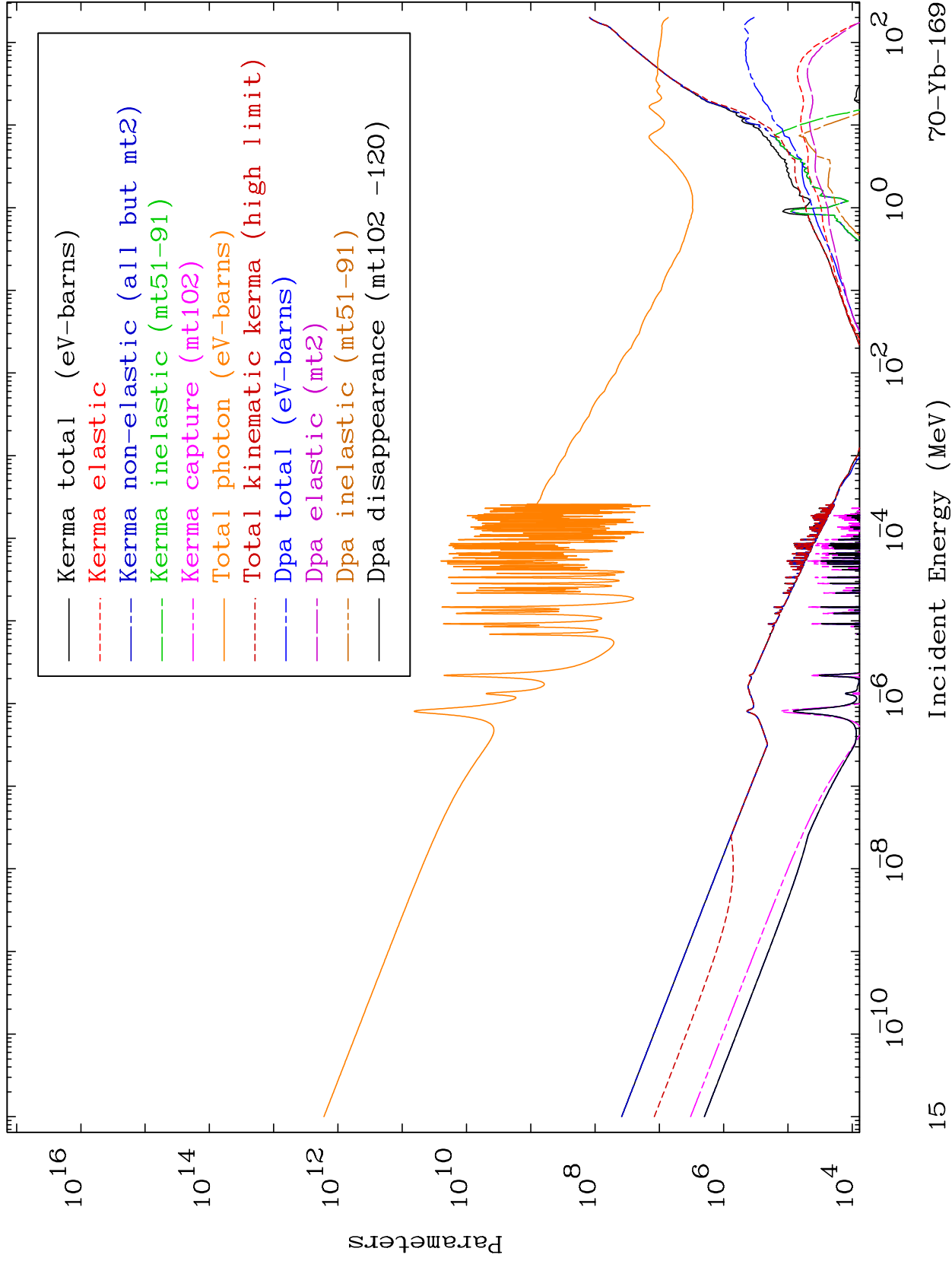
70-Yb-169

MAT 7028

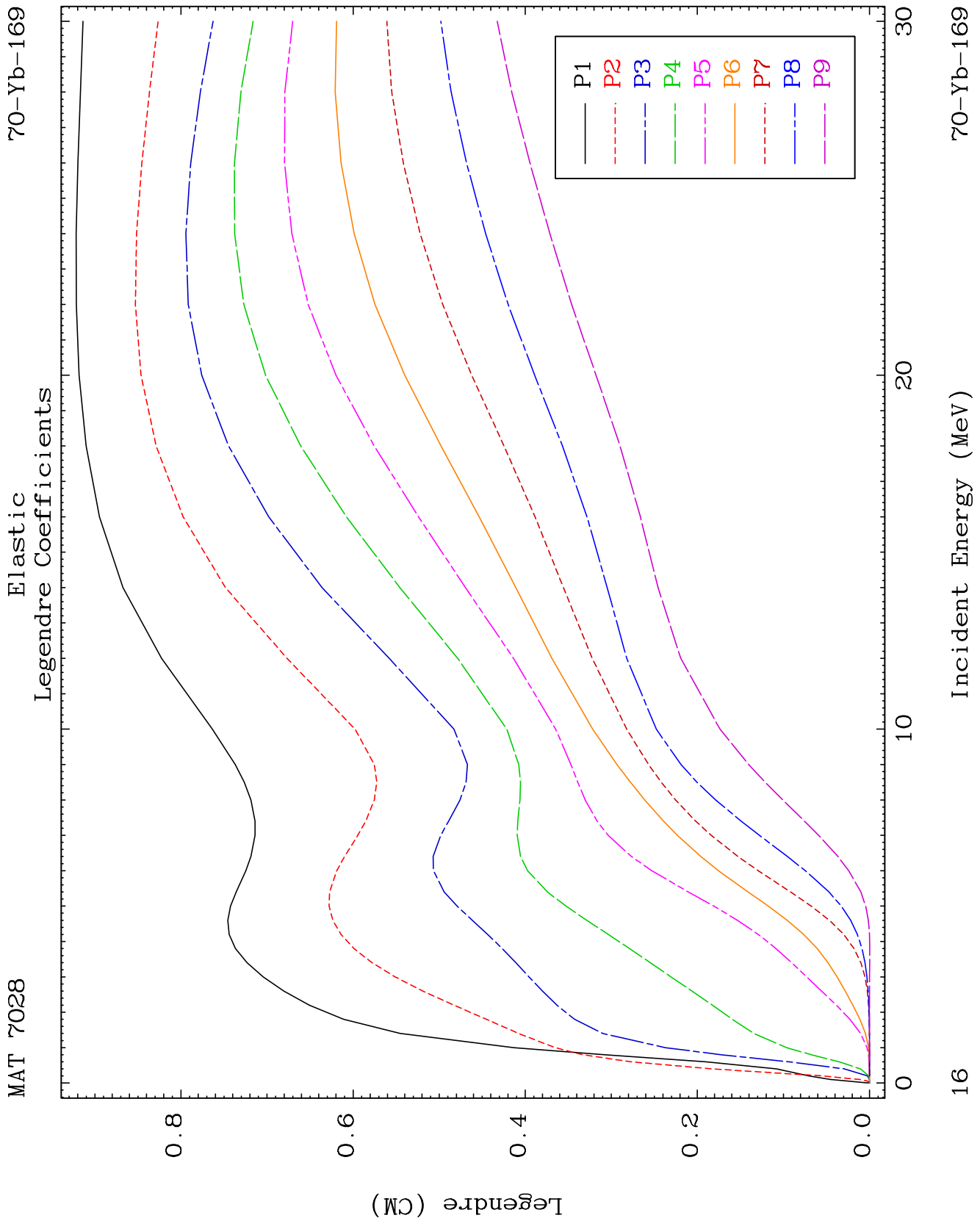
(n,α) Levels  
293 Kelvin Cross Sections

70-Yb-169





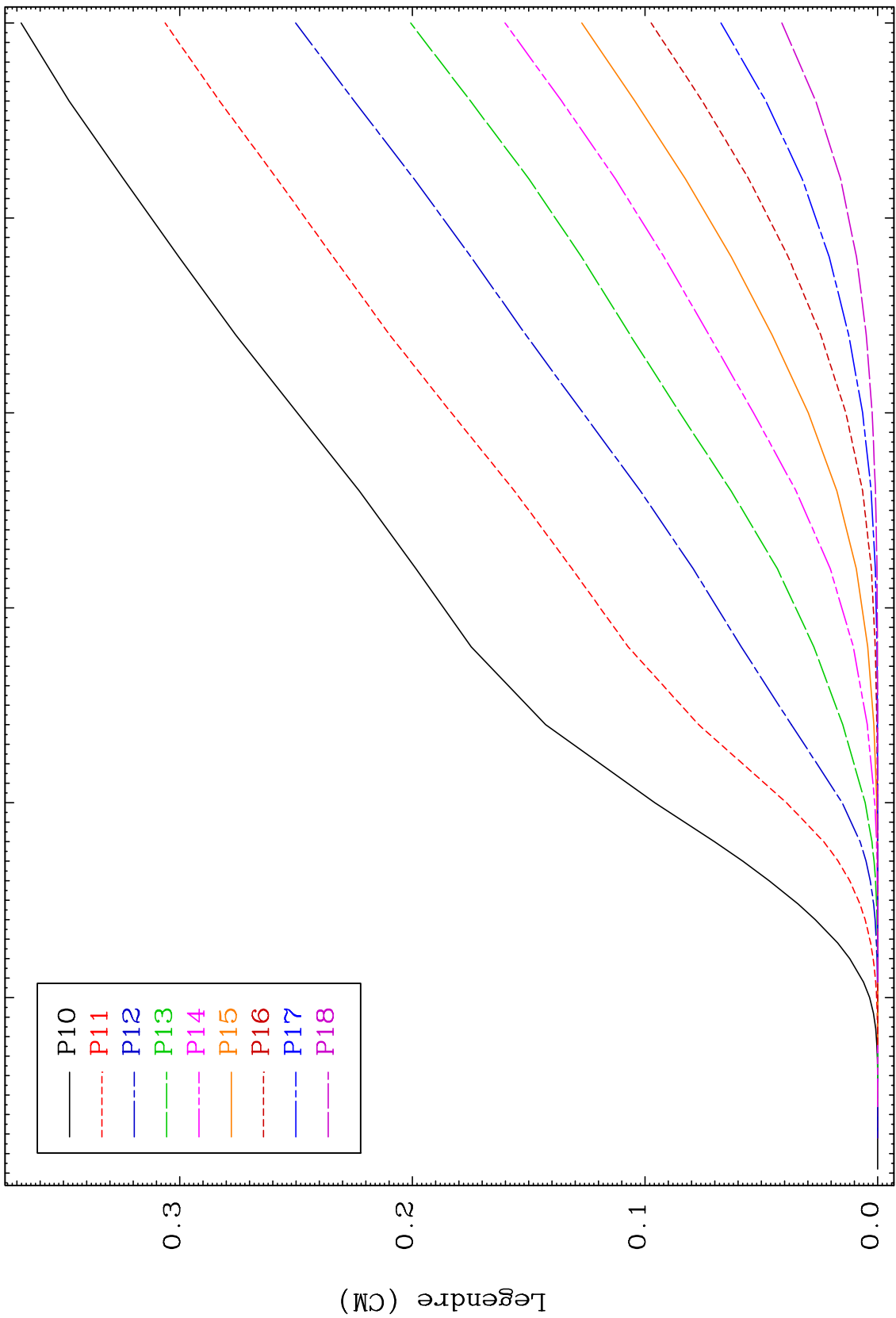




MAT 7028

Elastic Legendre Coefficients

70-Yb-169



17

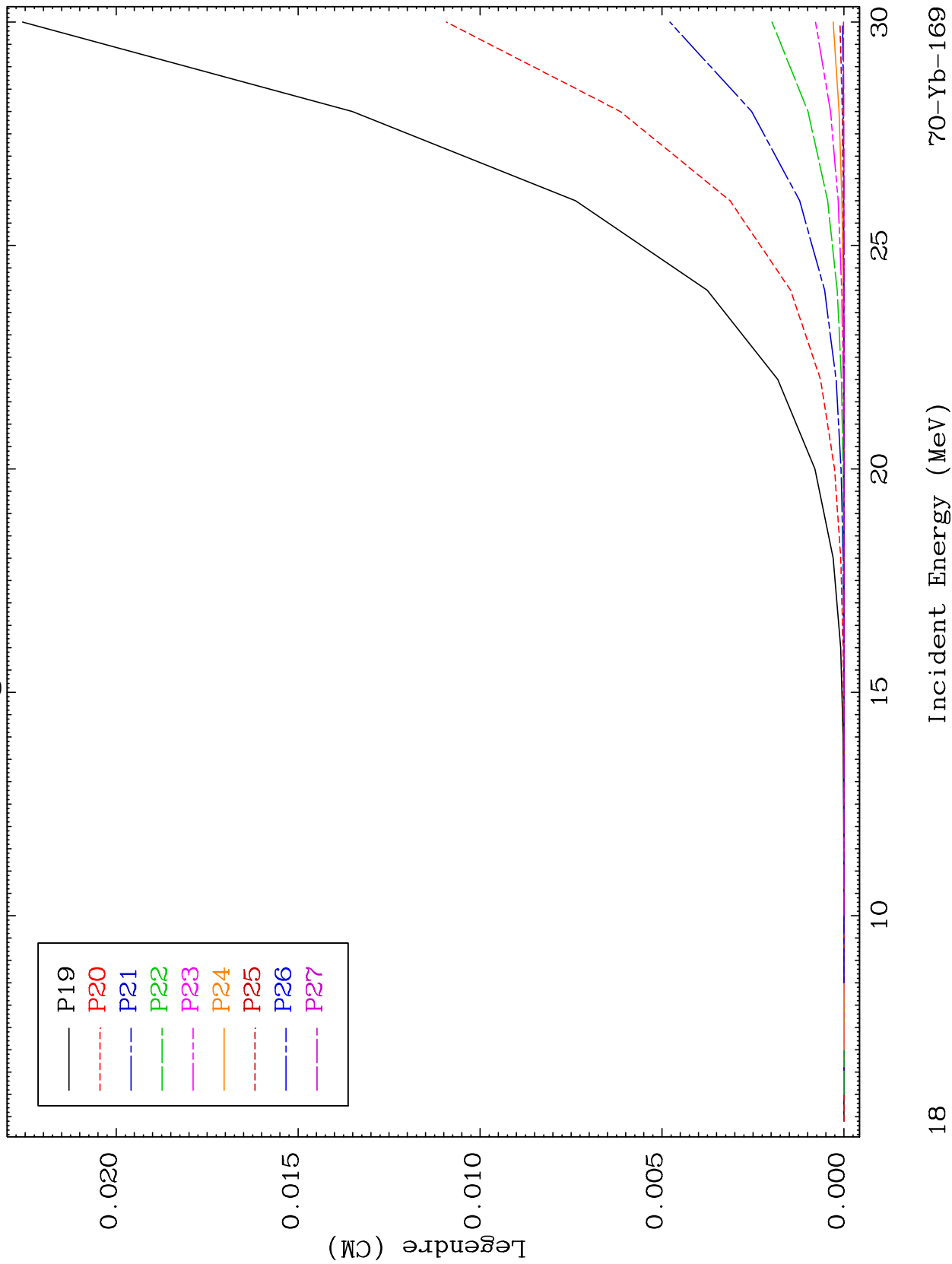
70-Yb-169

Incident Energy (MeV)

MAT 7028

### Elastic Legendre Coefficients

70-Yb-169



18

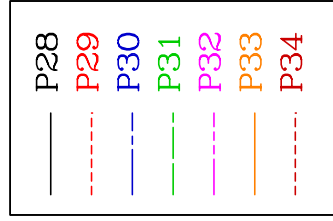
Incident Energy (MeV)

70-Yb-169

MAT 7028

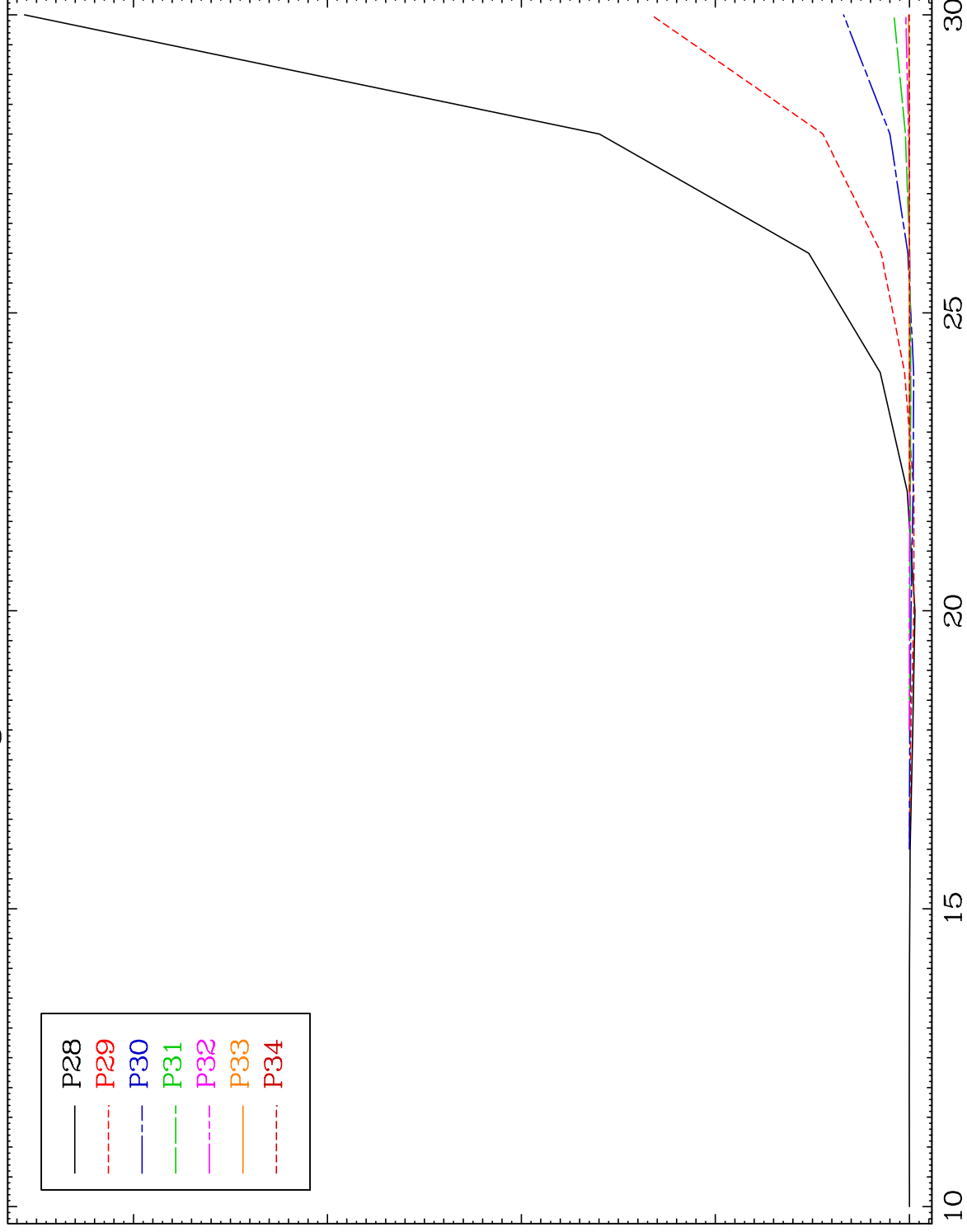
Elastic  
Legendre Coefficients

70-Yb-169



$\times 10^{-6}$

Legendre (CM)



10

15

20

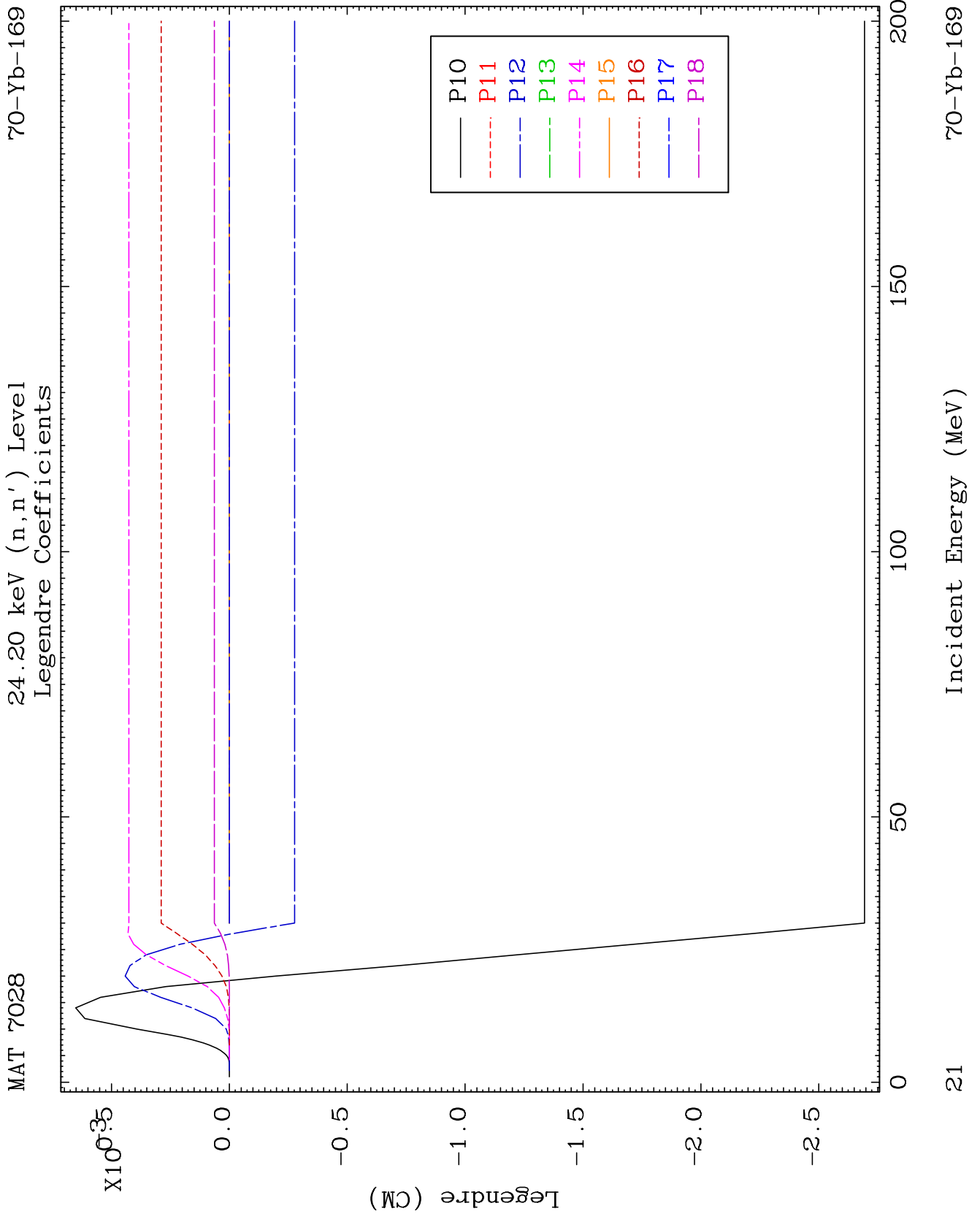
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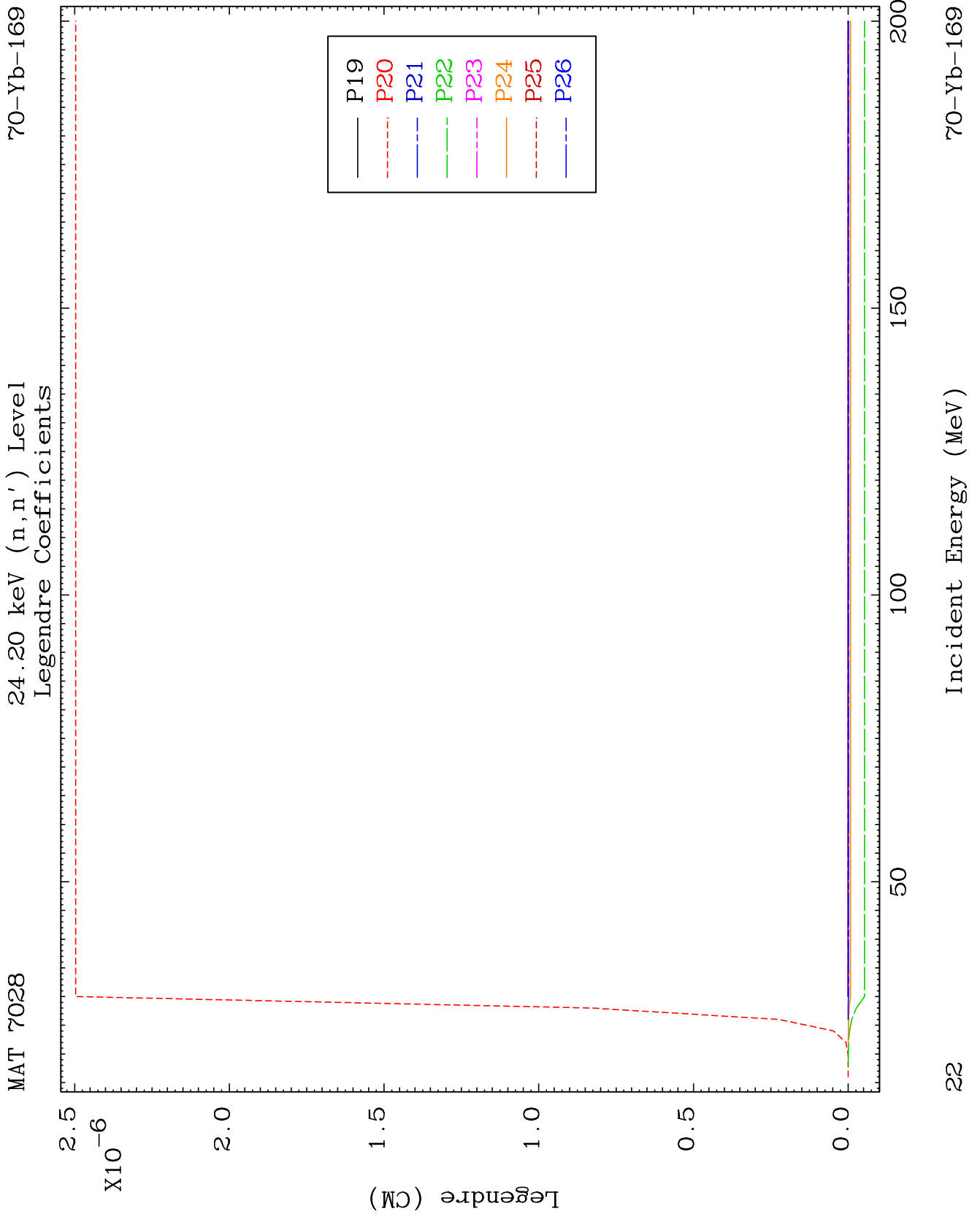
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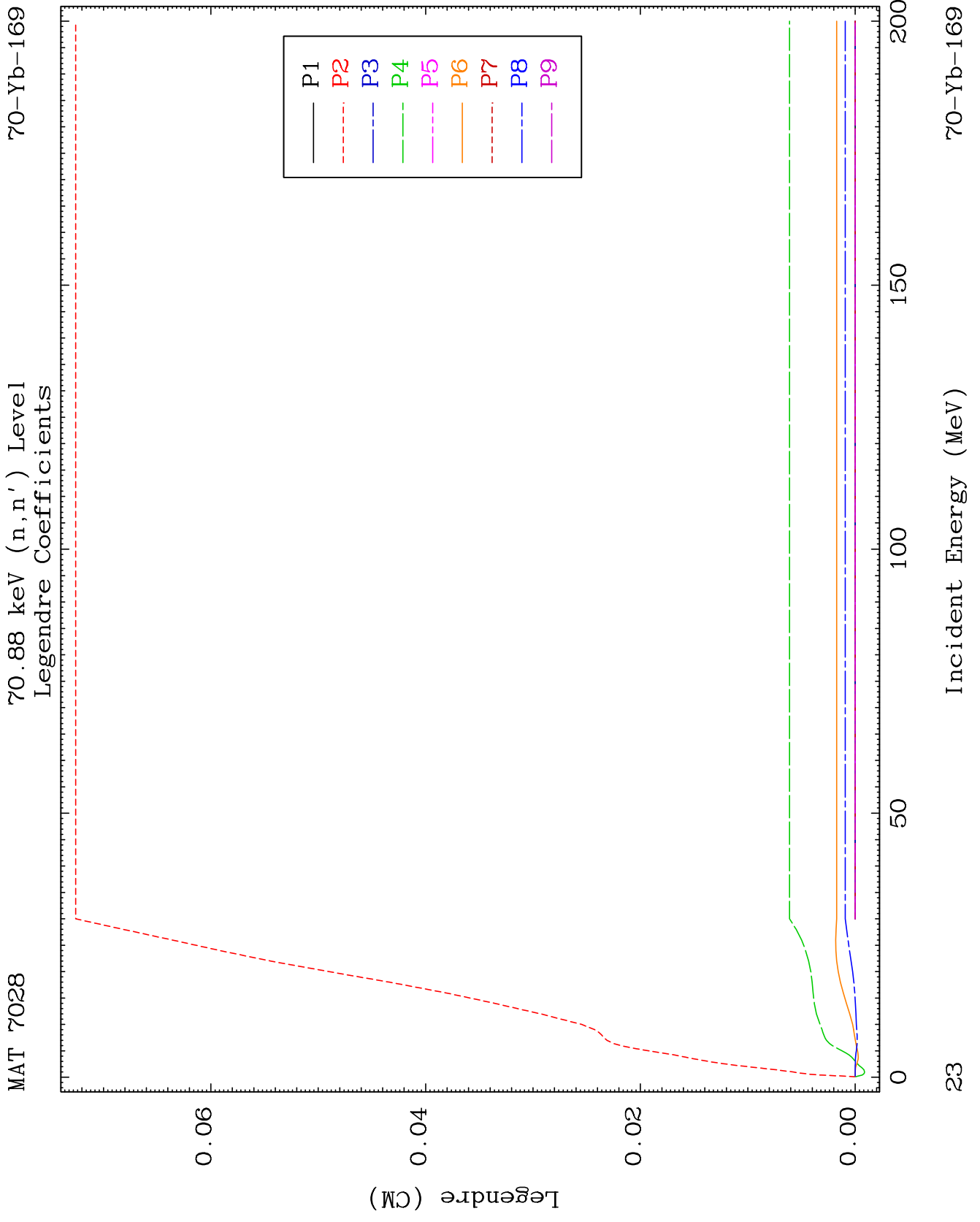
Incident Energy (MeV)

70-Yb-169

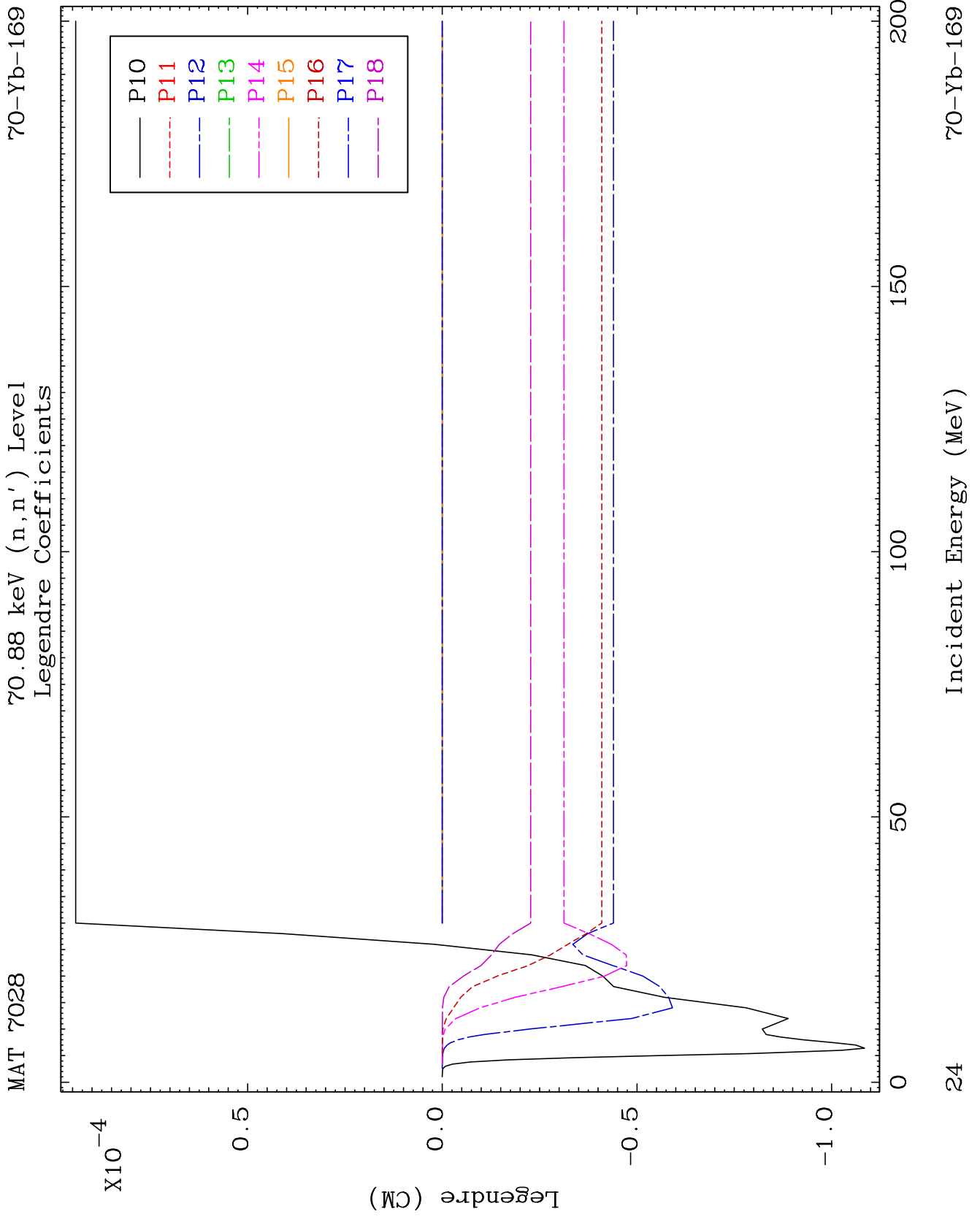


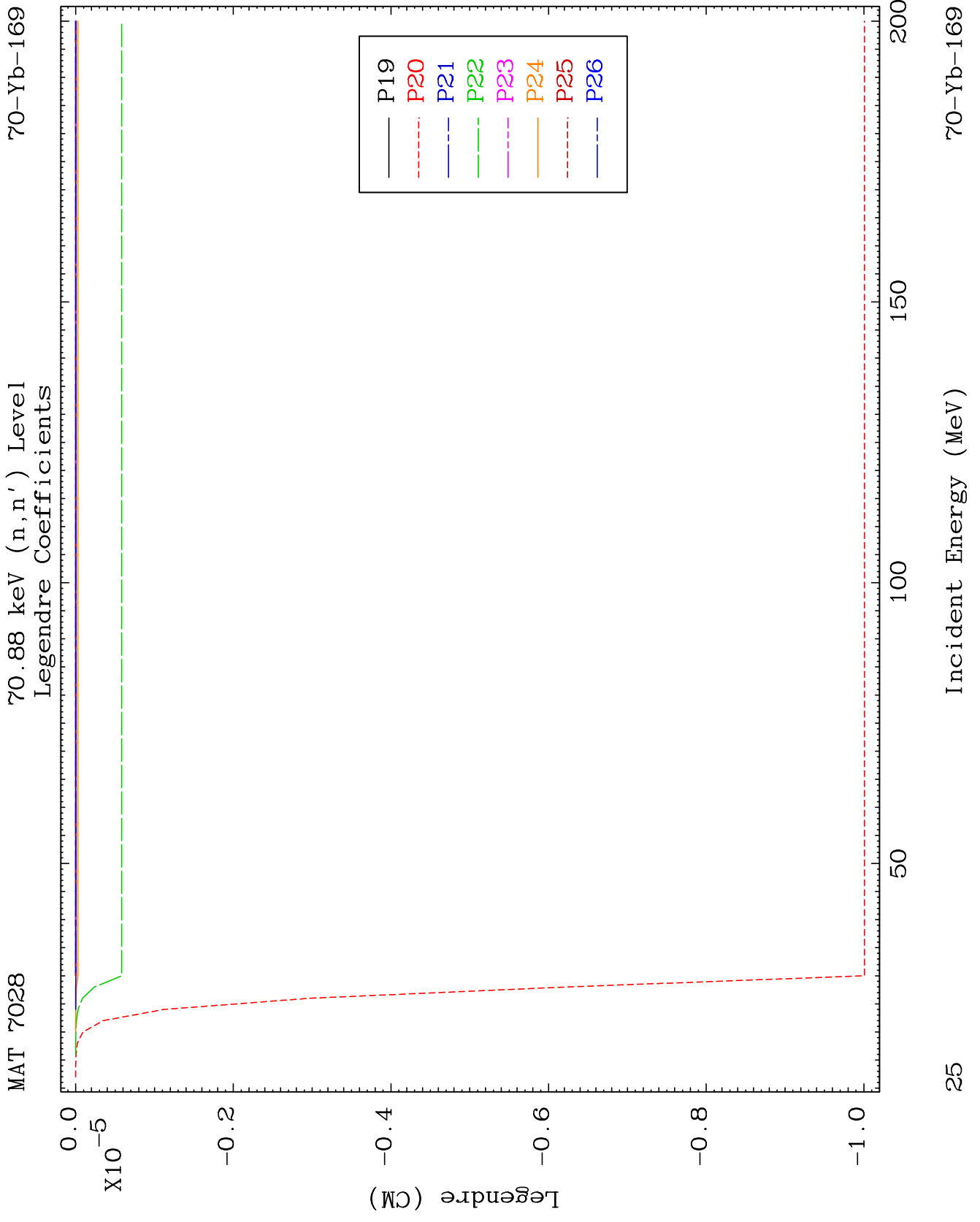


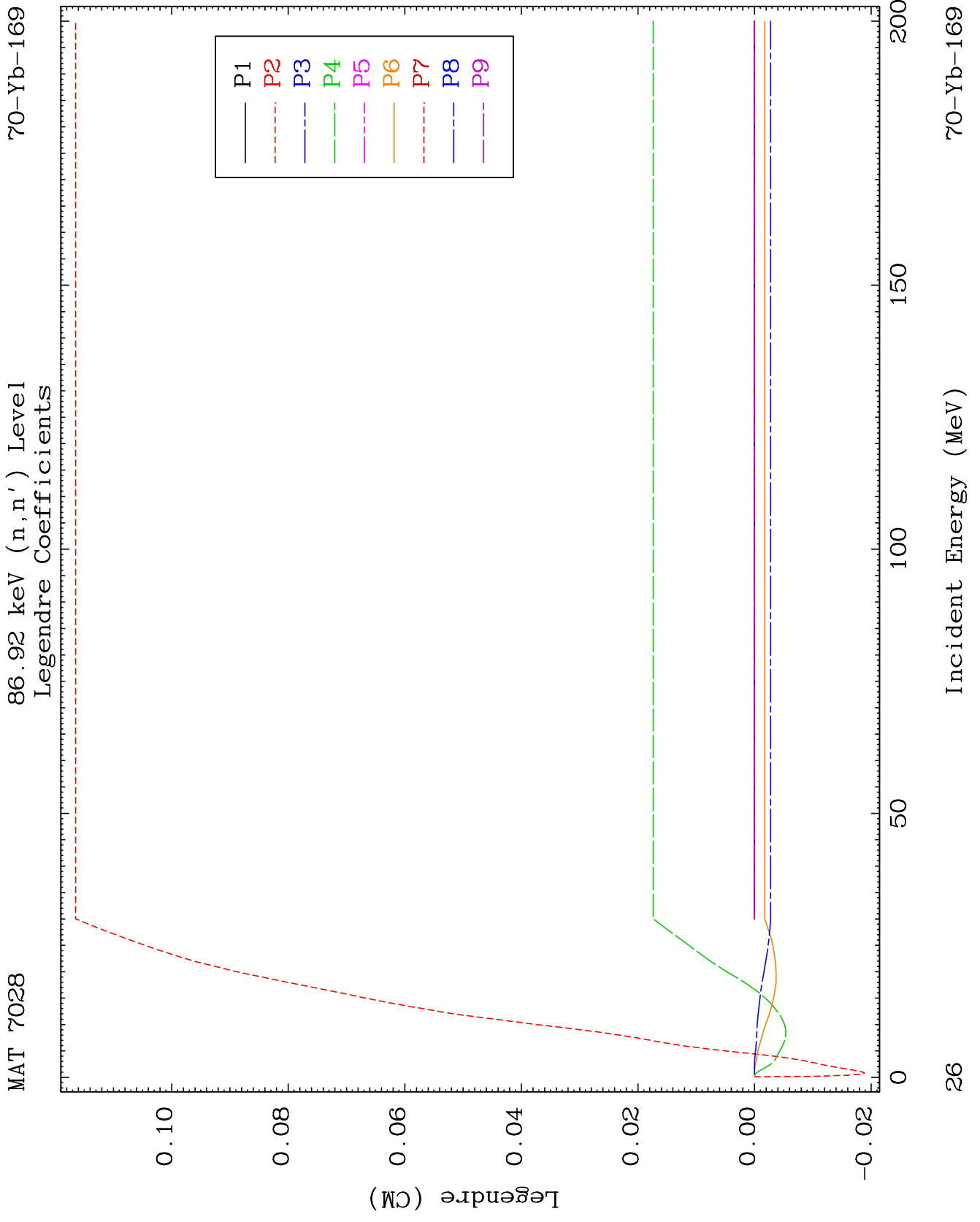


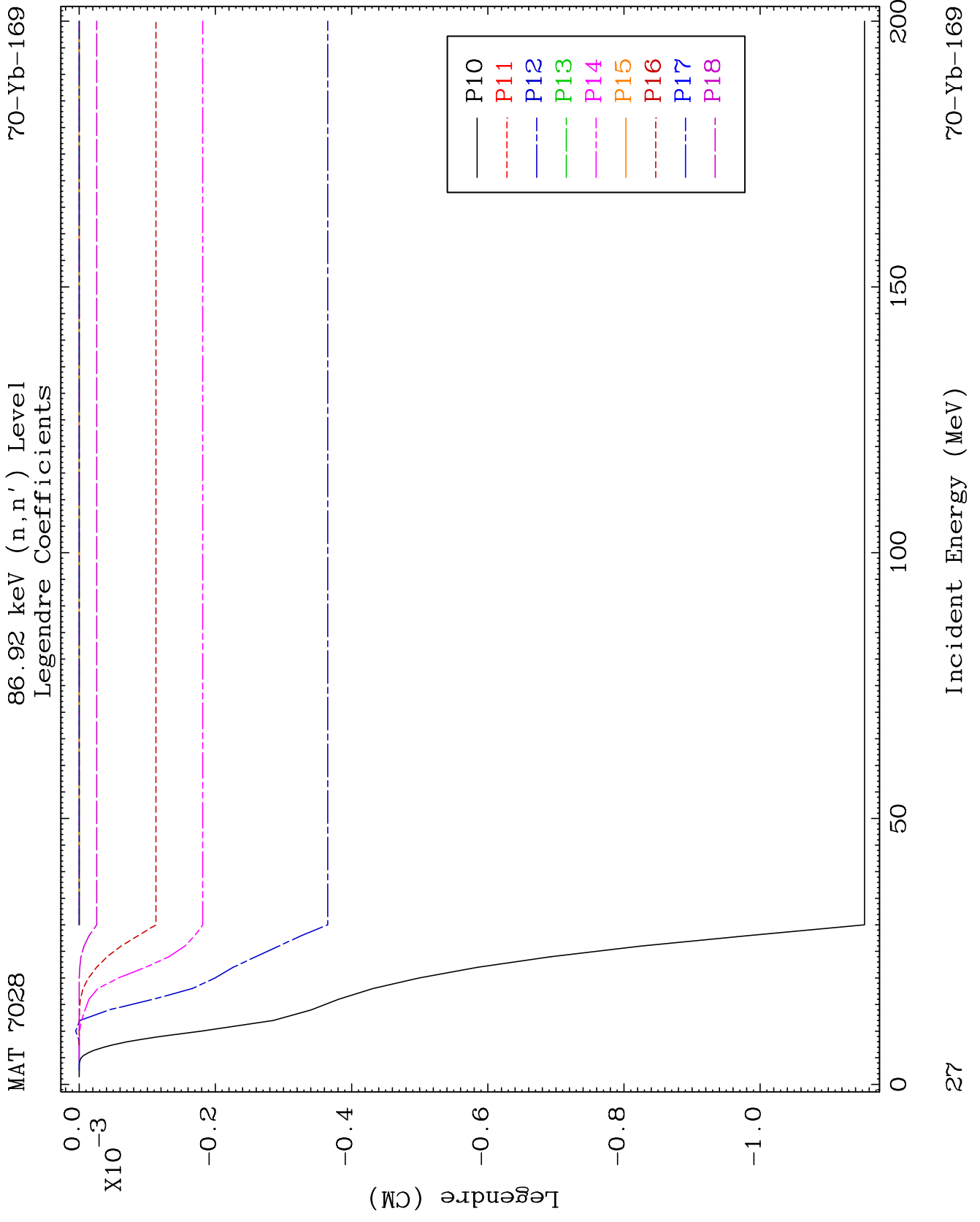


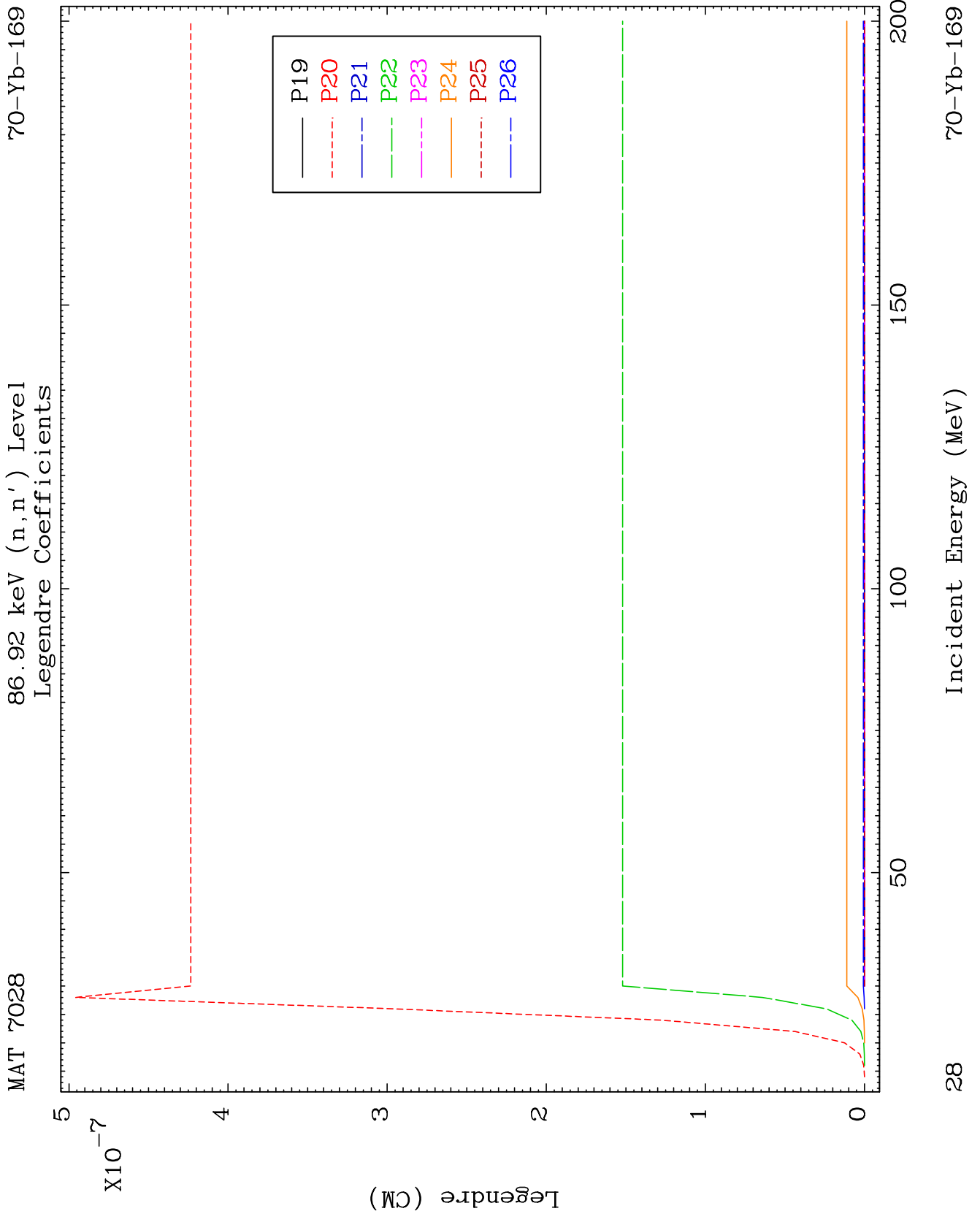




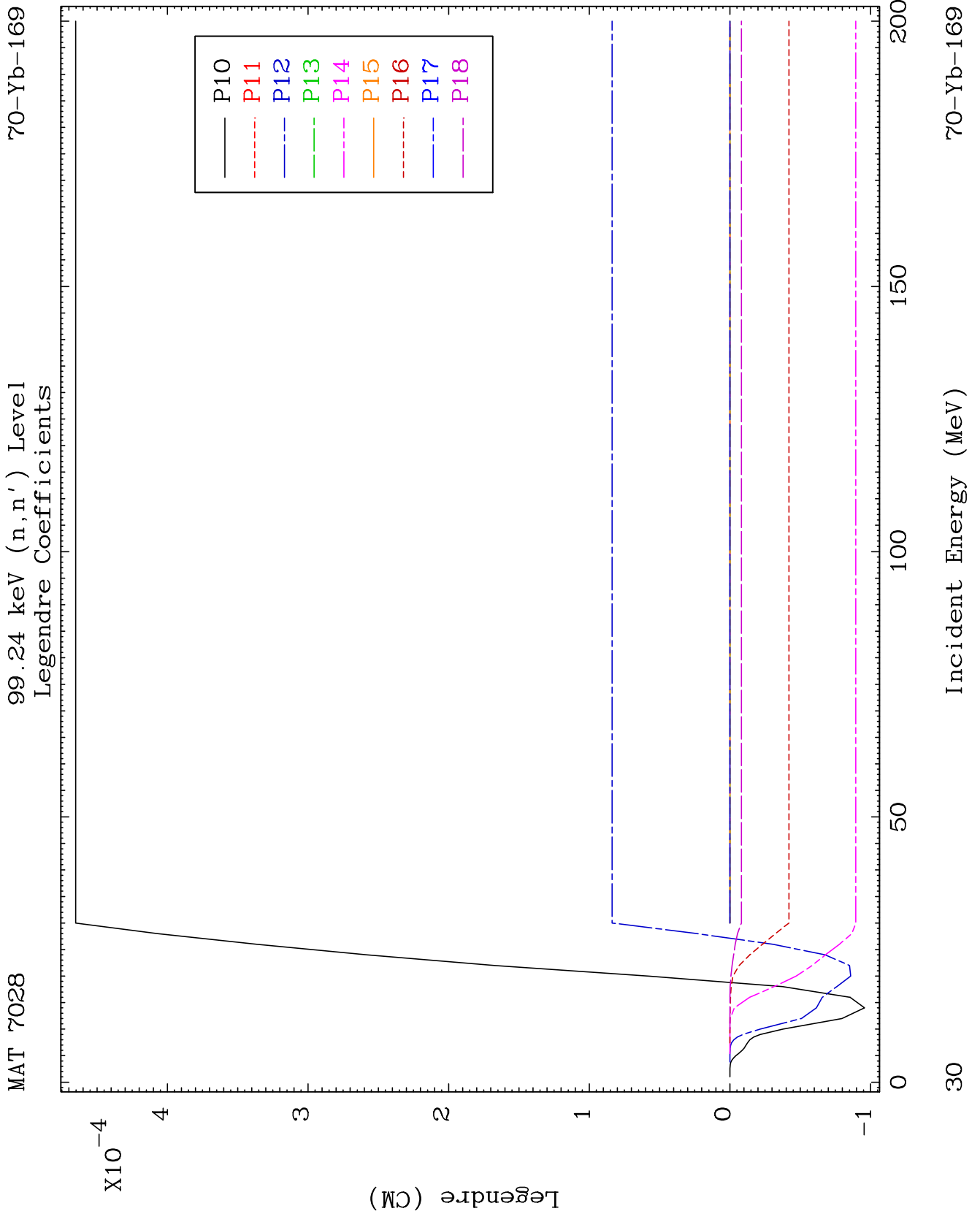


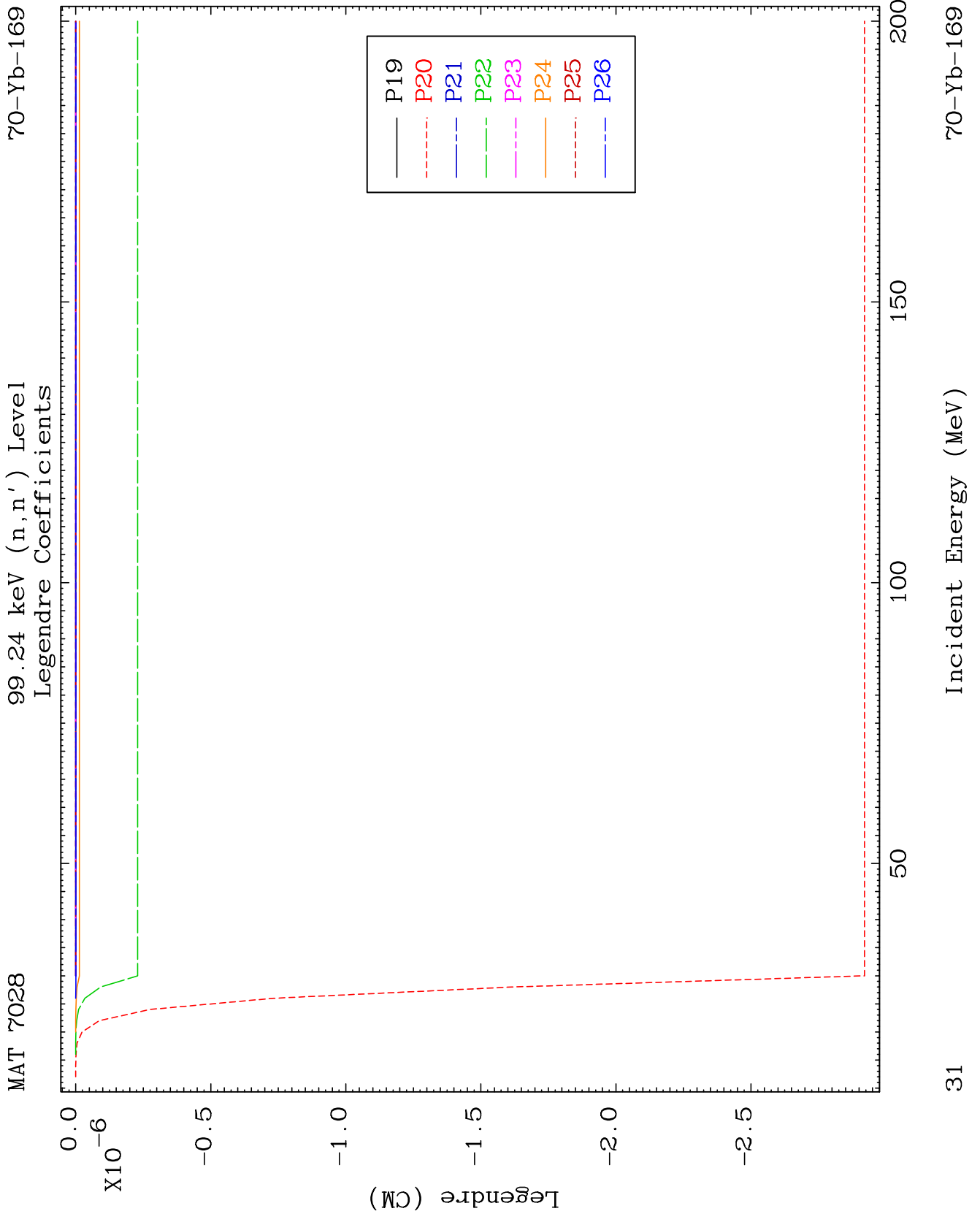














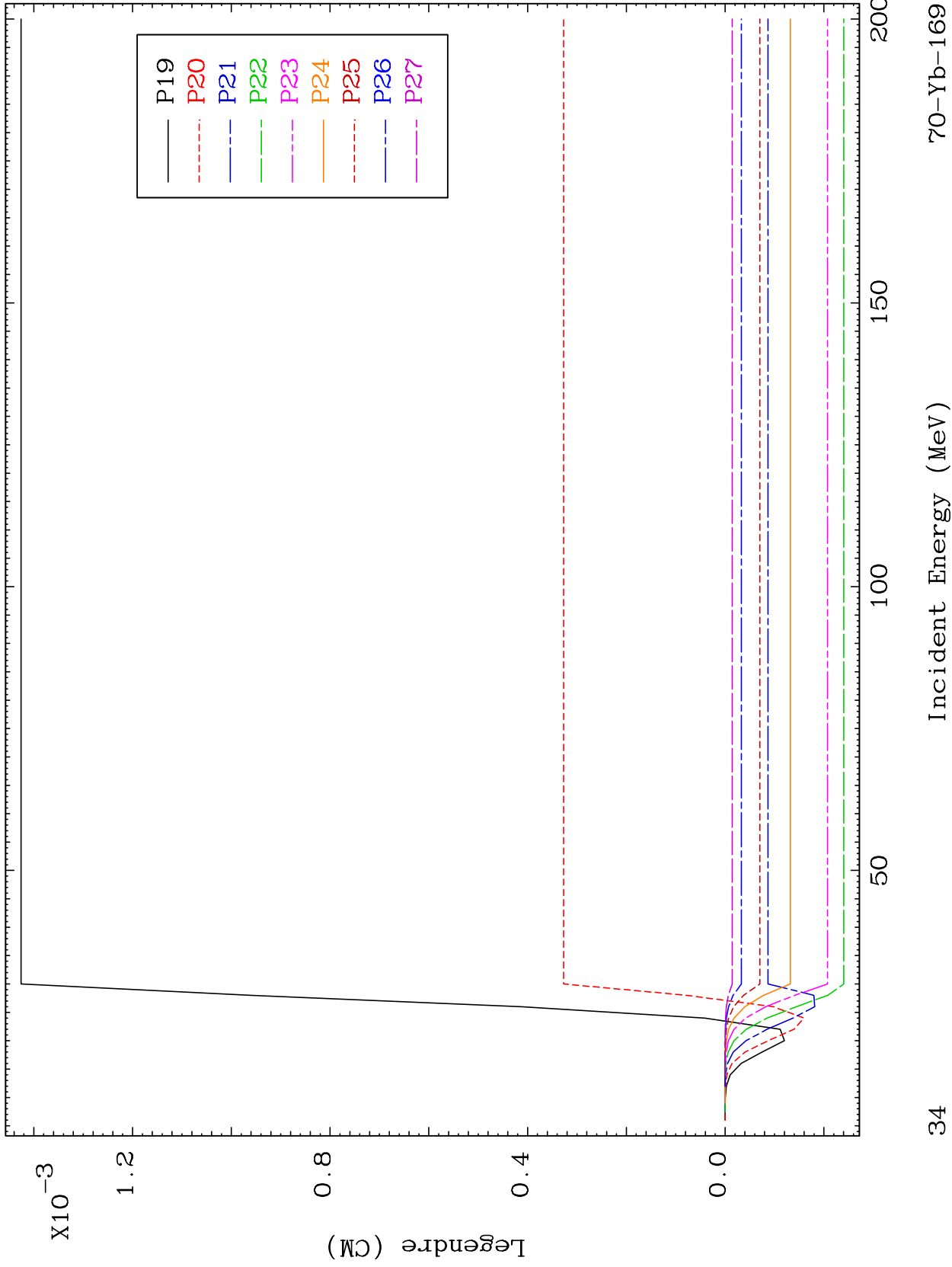




MAT 7028

161.7 keV (n,n') Level  
Legendre Coefficients

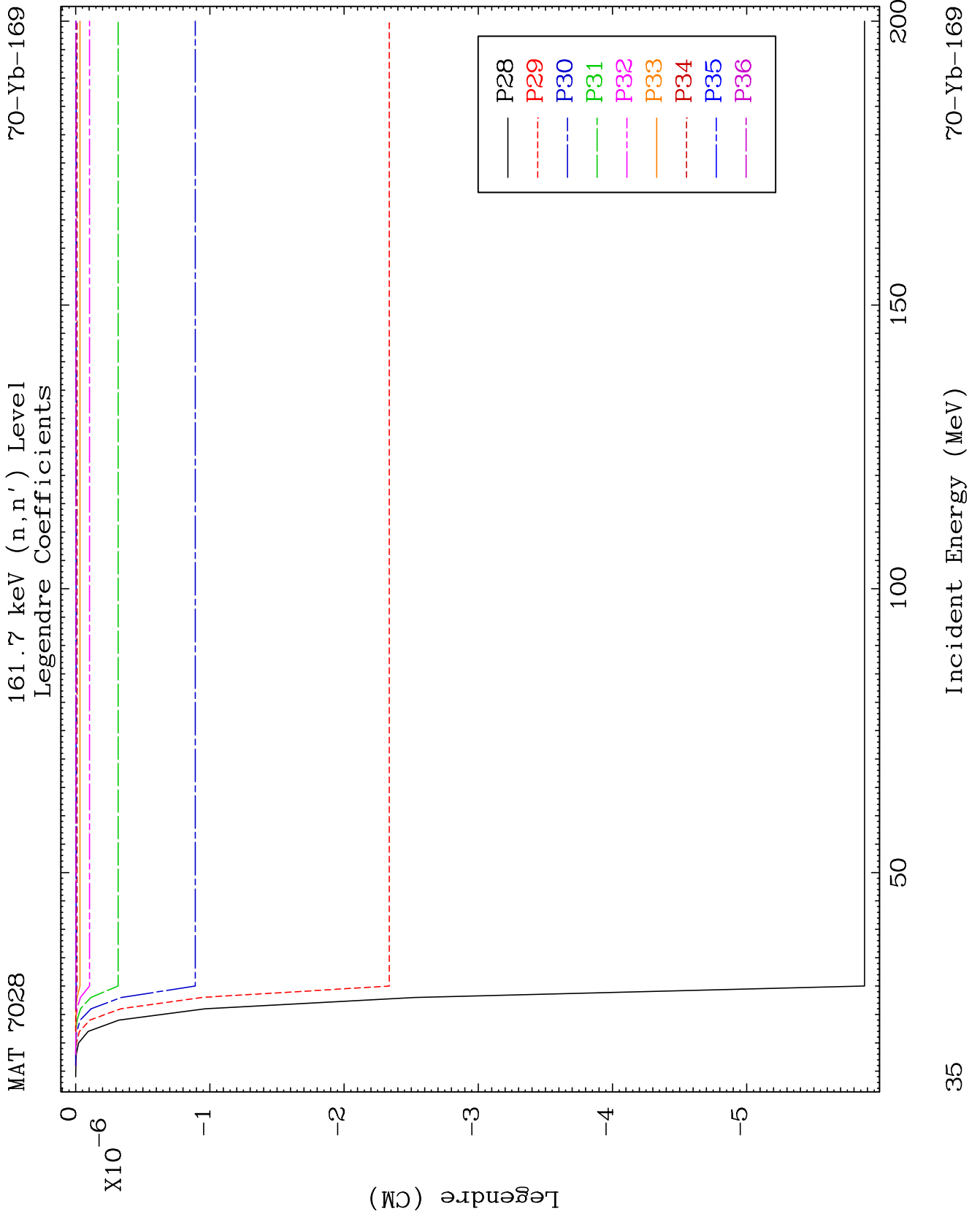
70-Yb-169

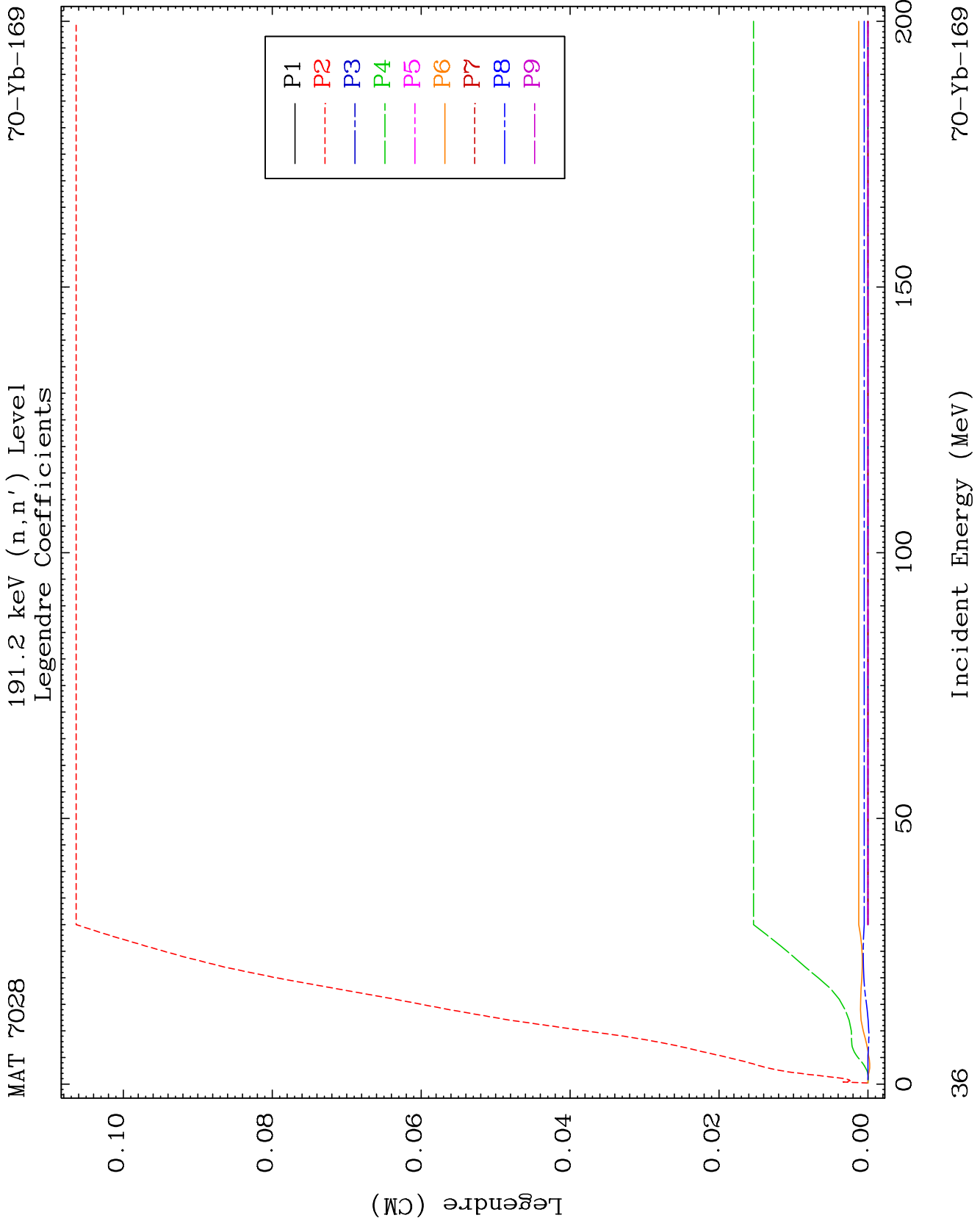


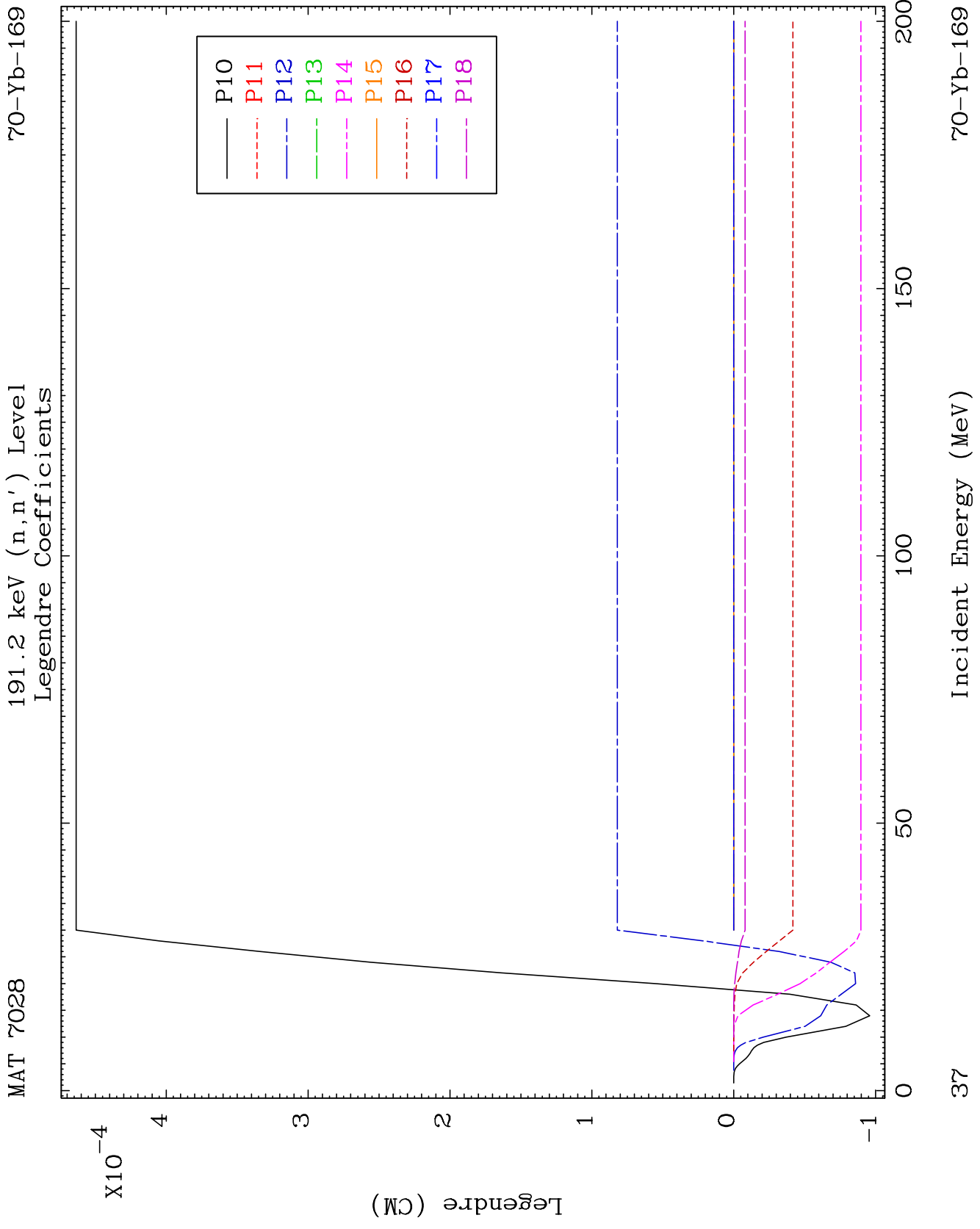
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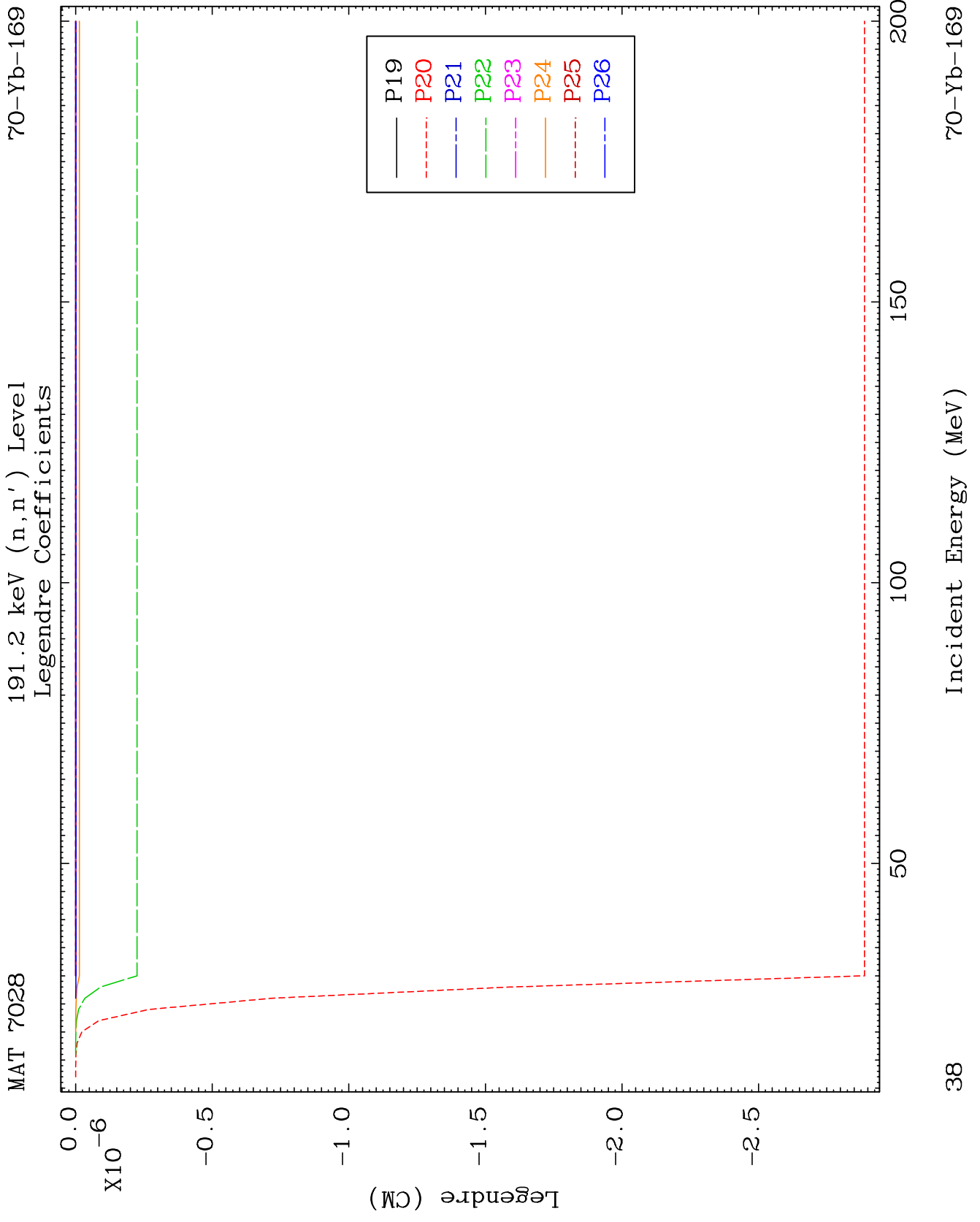
Incident Energy (MeV)

70-Yb-169





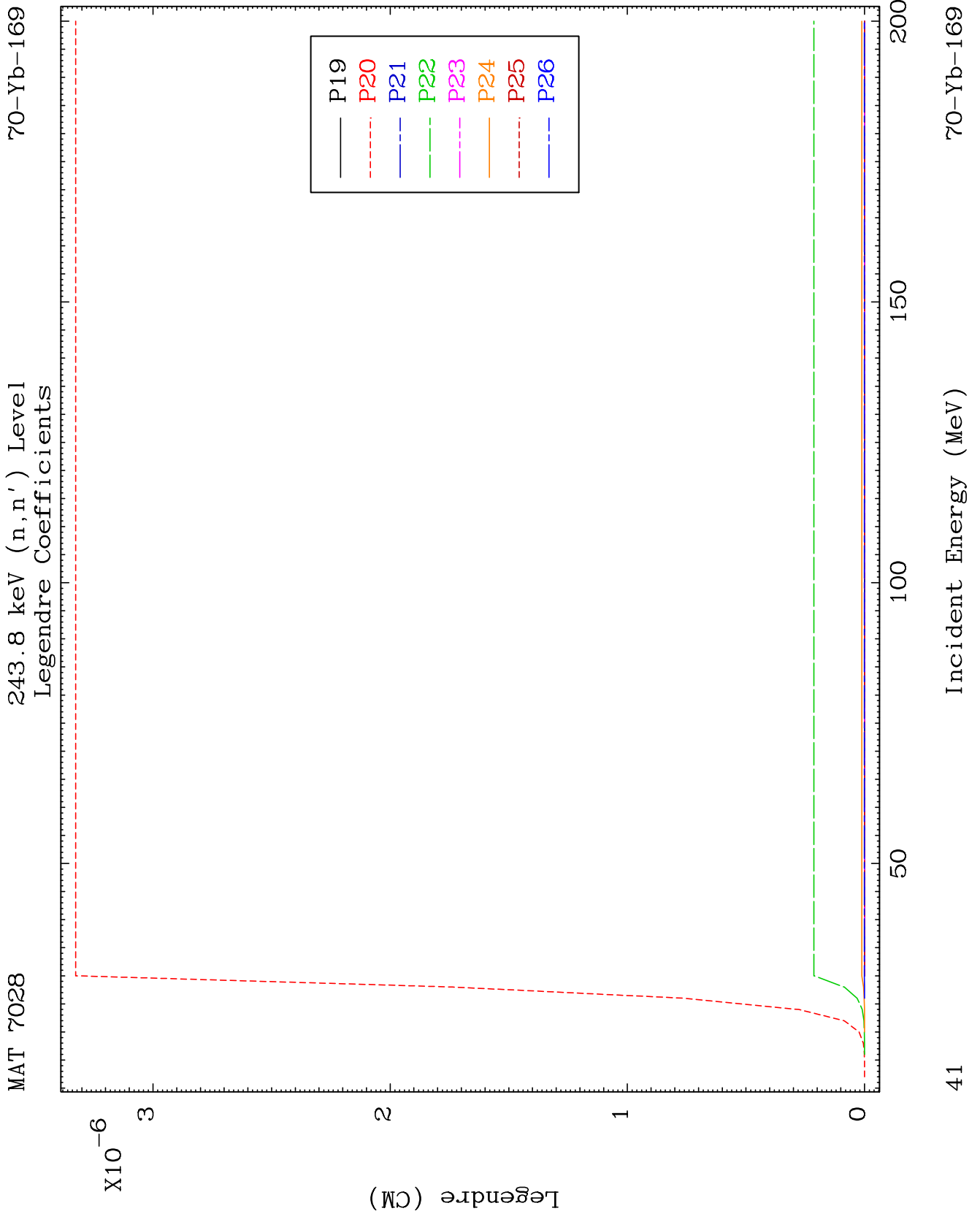










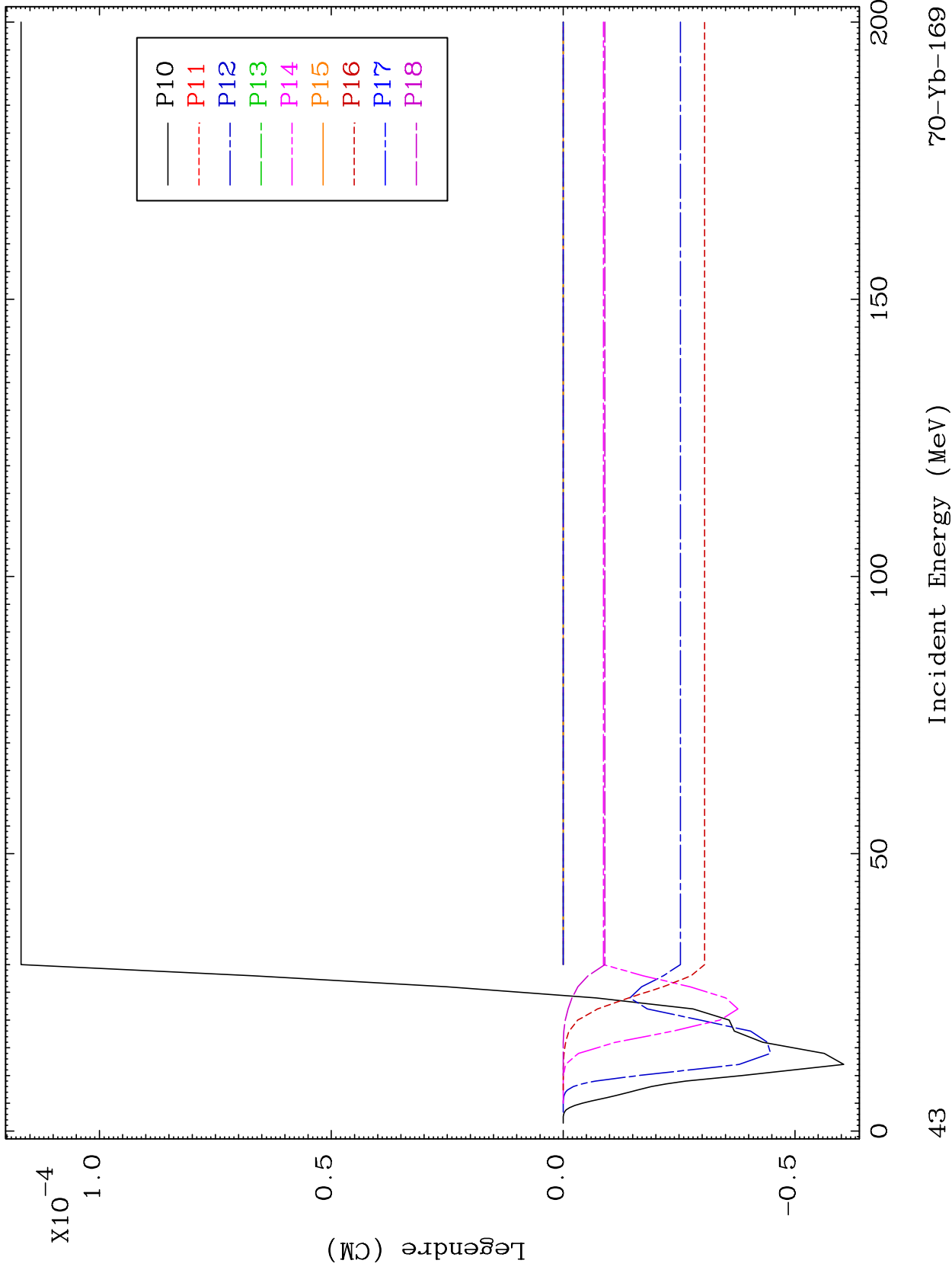




MAT 7028

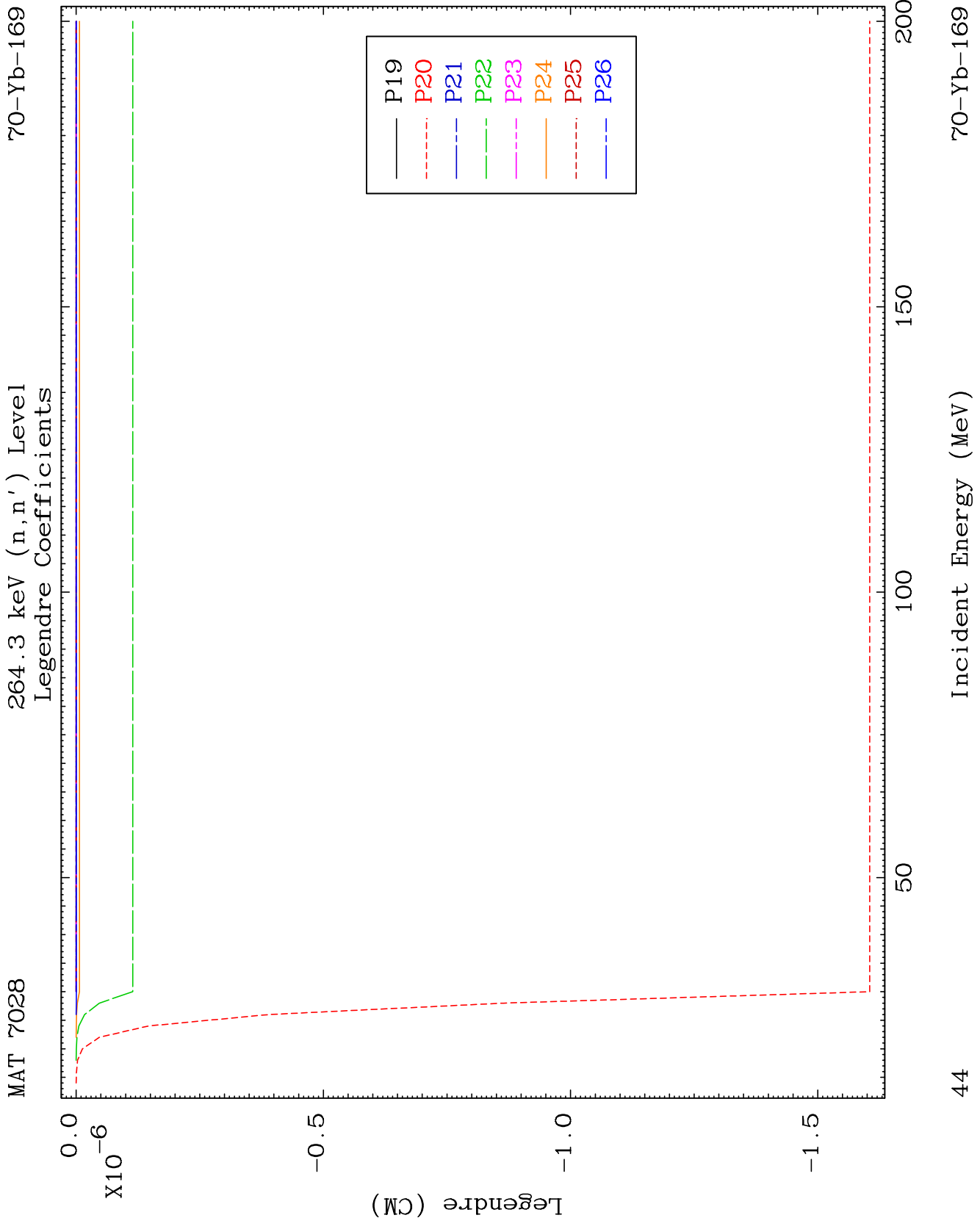
264.3 keV (n,n') Level  
Legendre Coefficients

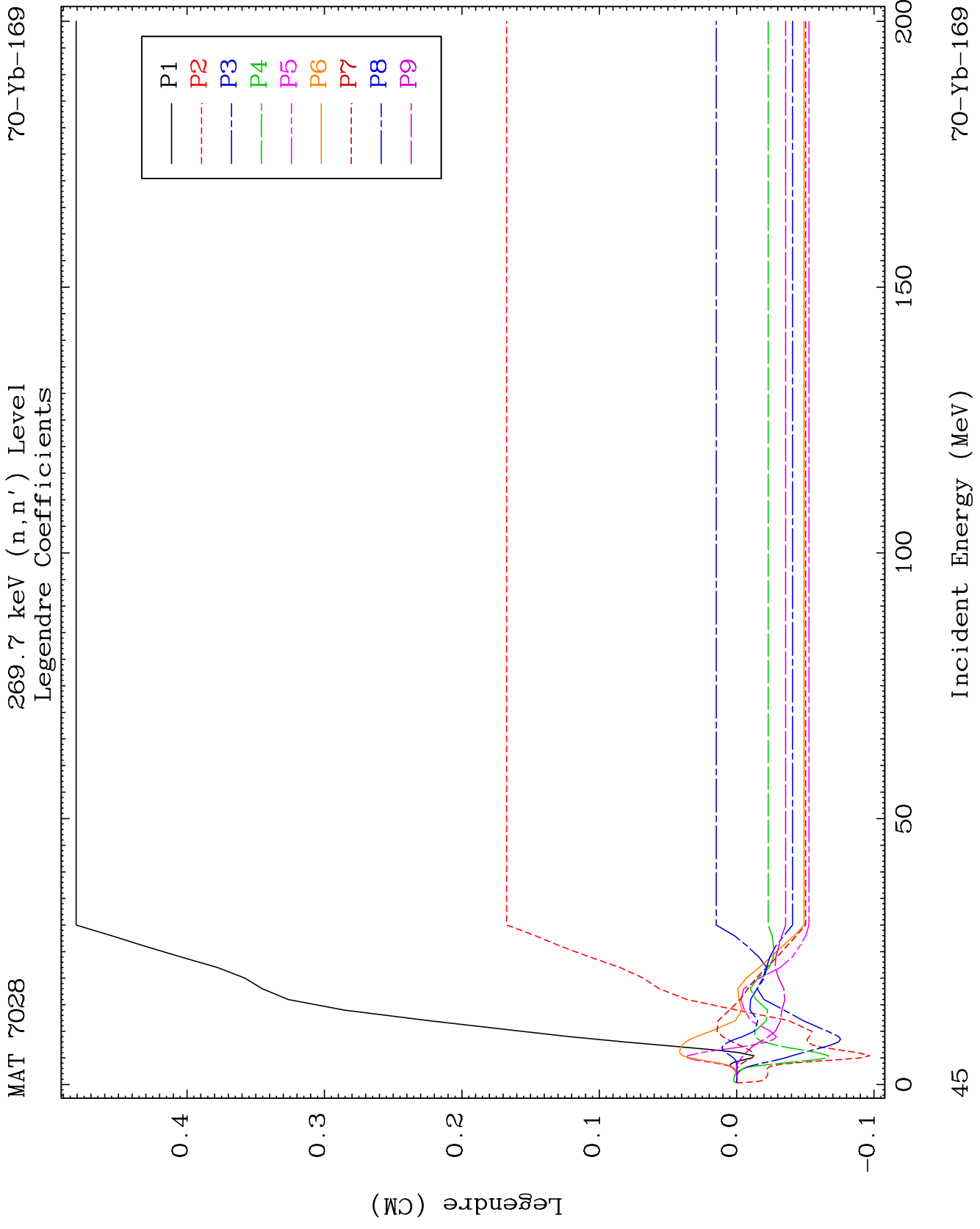
70-Yb-169



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70-Yb-169

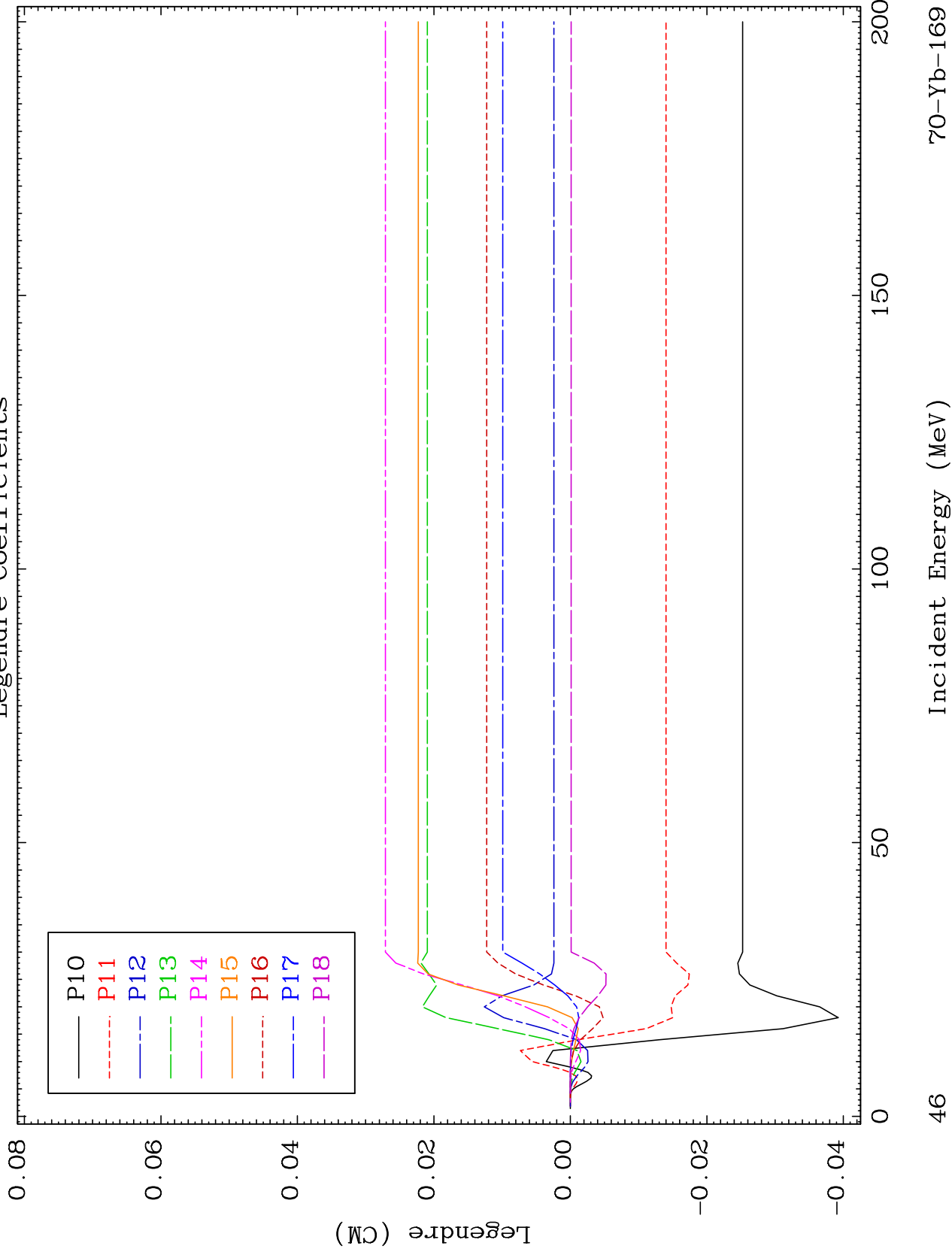




MAT 7028

269.7 keV (n,n') Level  
Legendre Coefficients

70-Yb-169



46

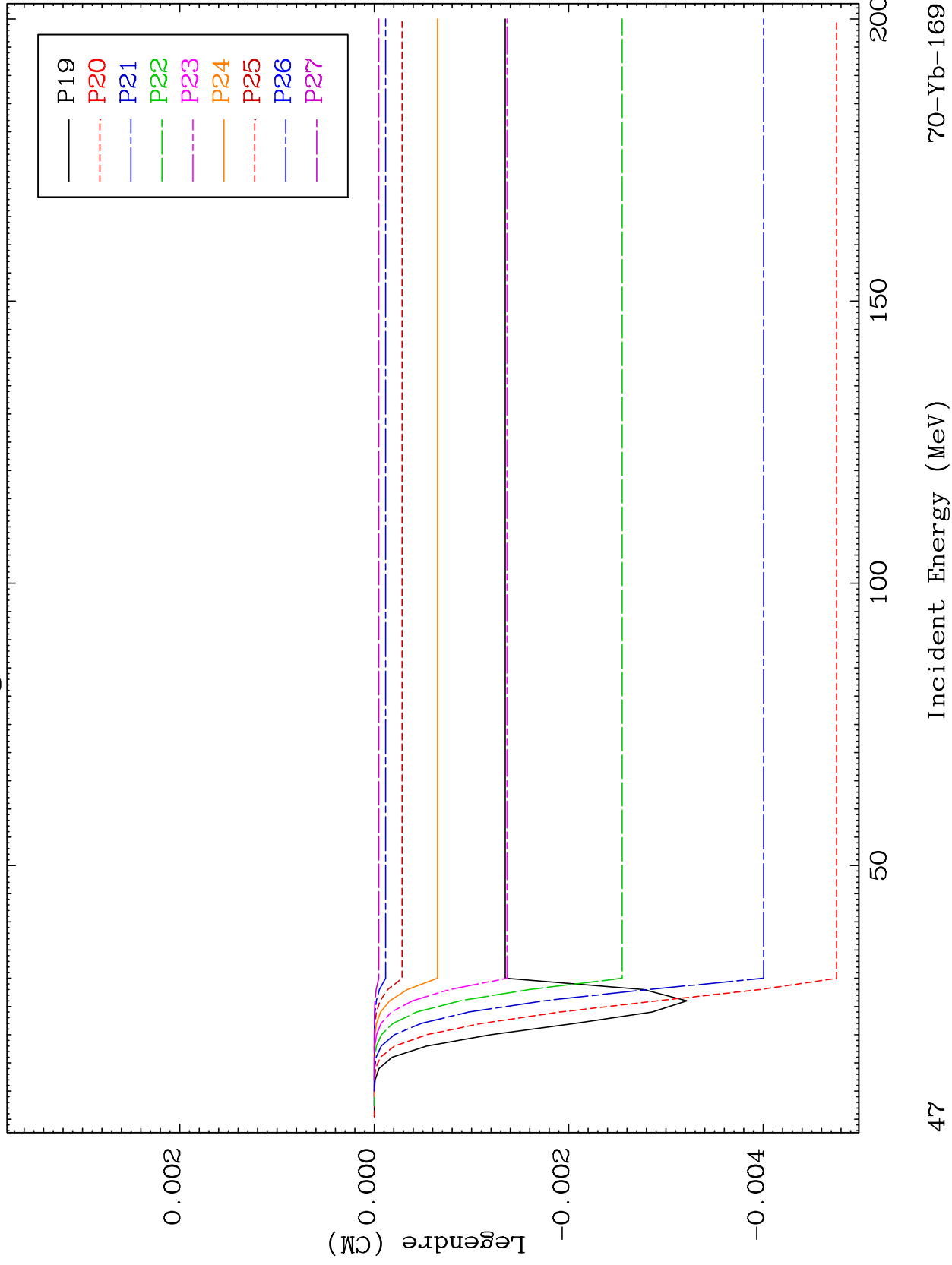
Incident Energy (MeV)

70-Yb-169

MAT 7028

269.7 keV (n,n') Level  
Legendre Coefficients

70-Yb-169

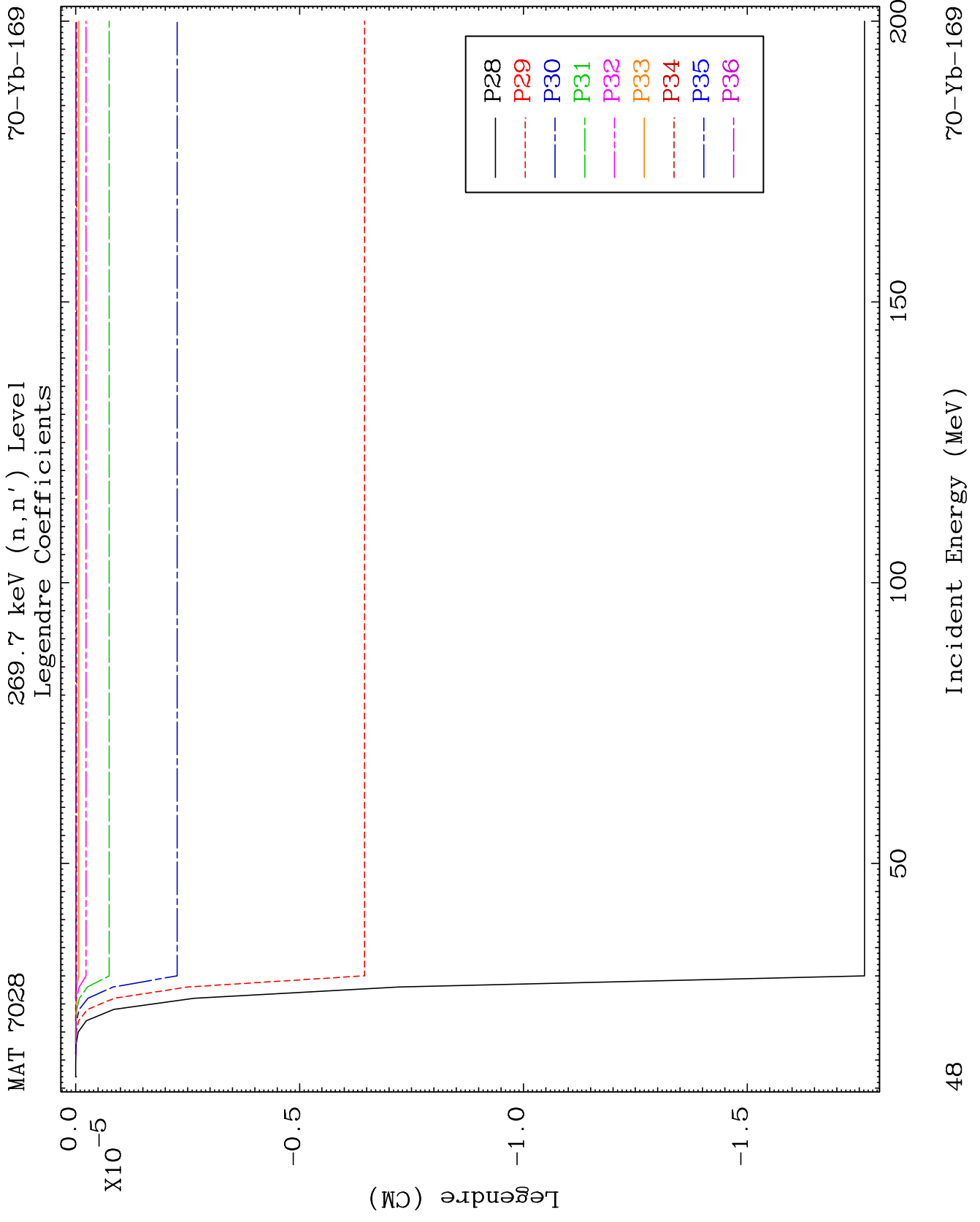


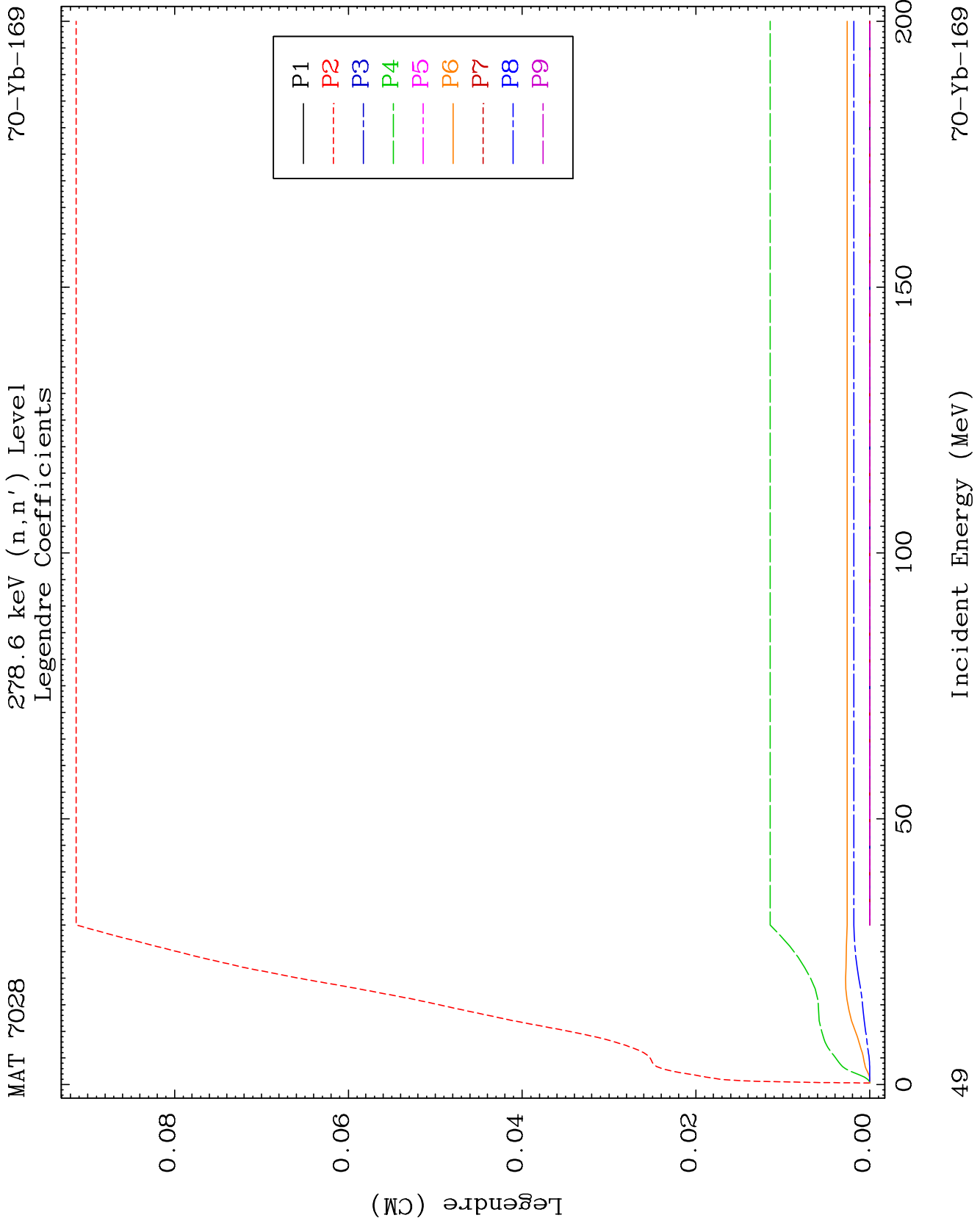
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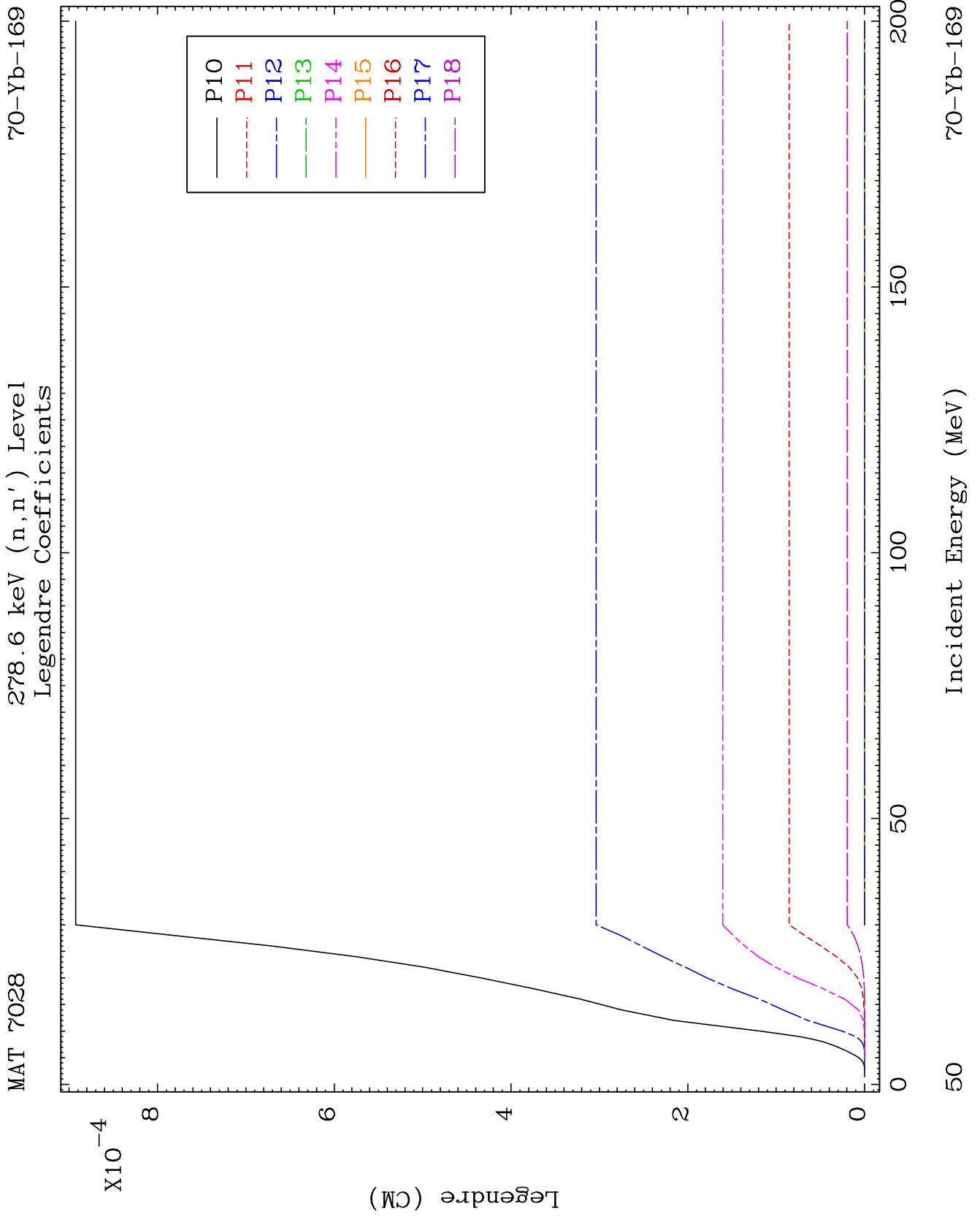
Incident Energy (MeV)

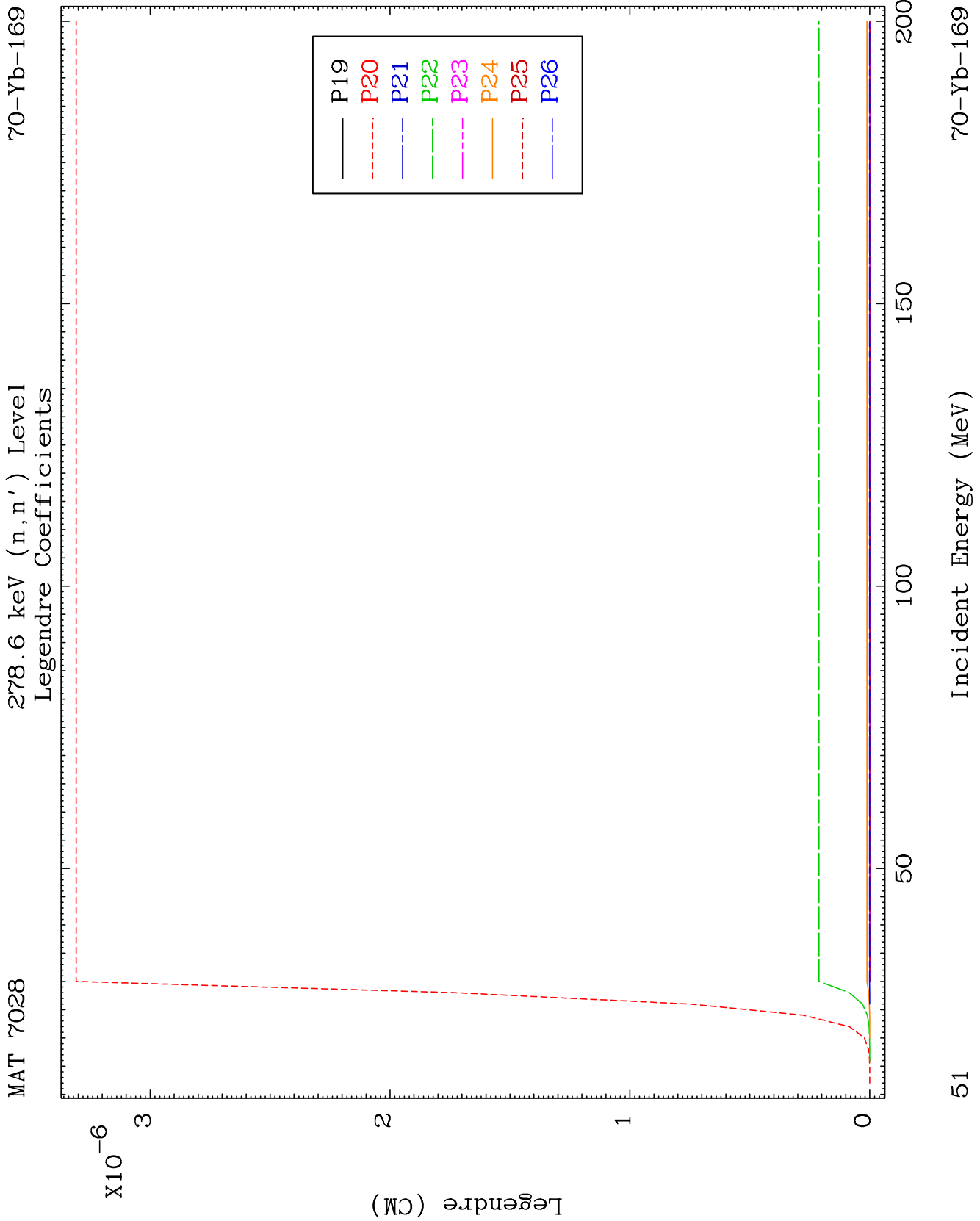
70-Yb-169









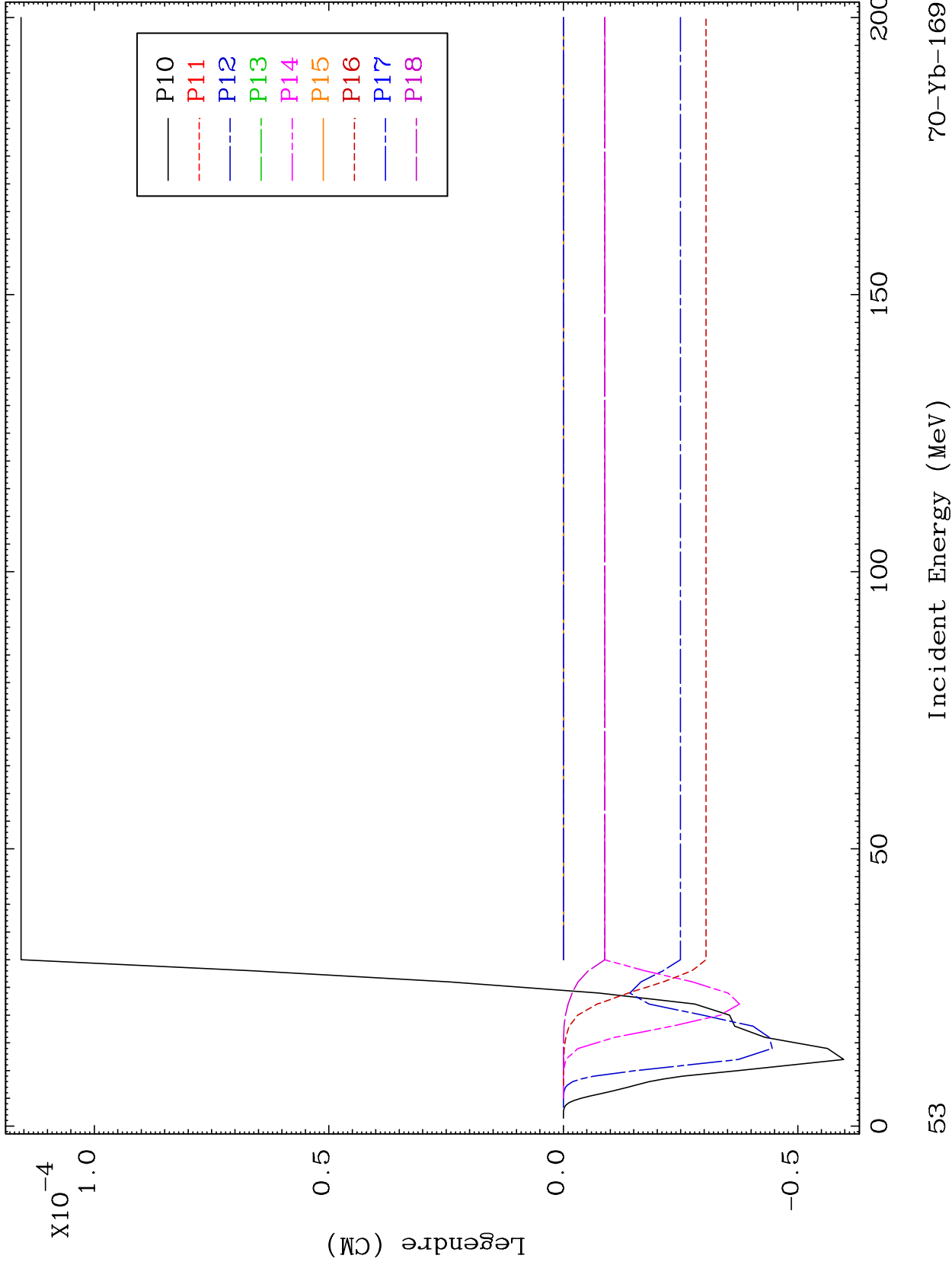




MAT 7028

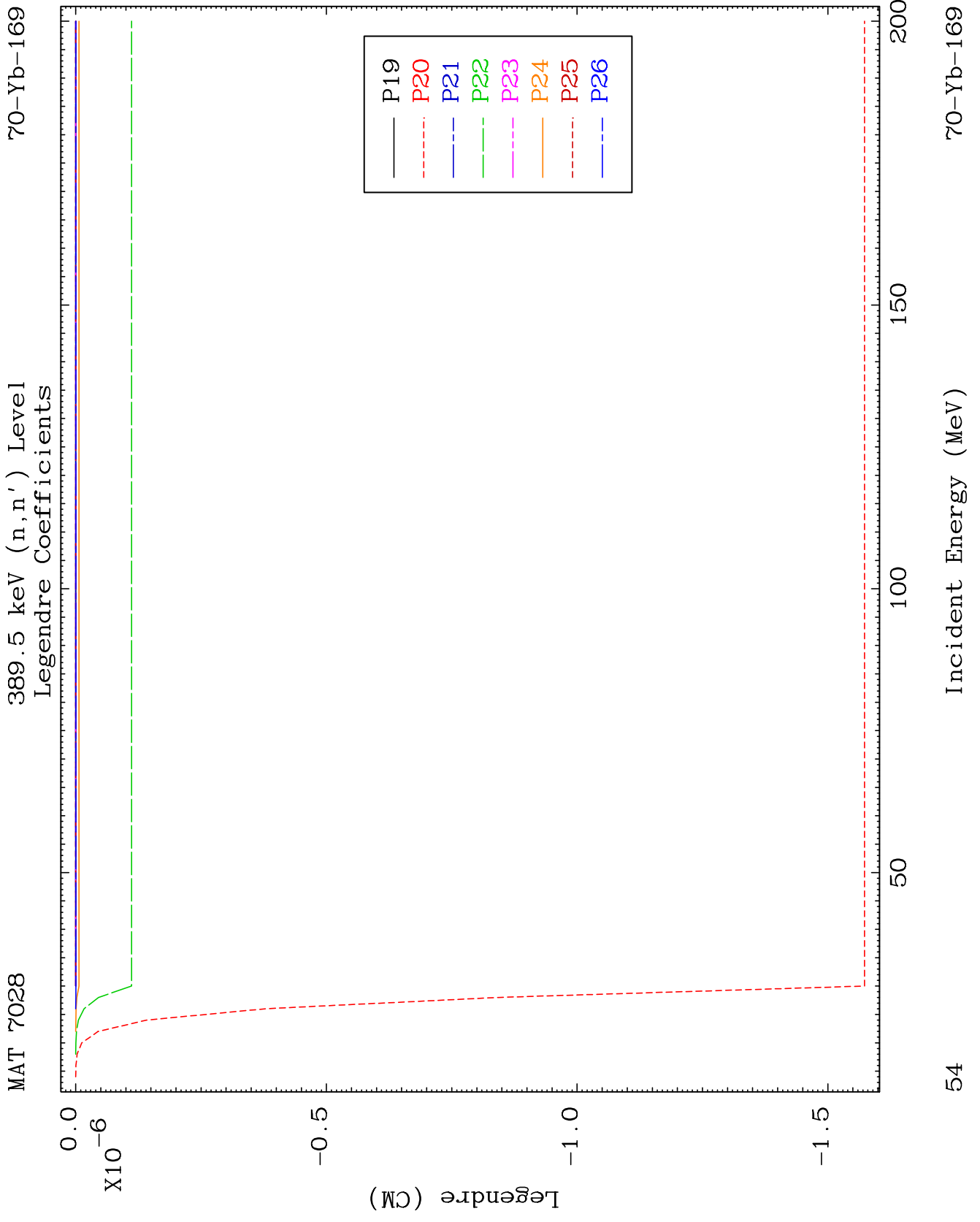
389.5 keV (n,n') Level  
Legendre Coefficients

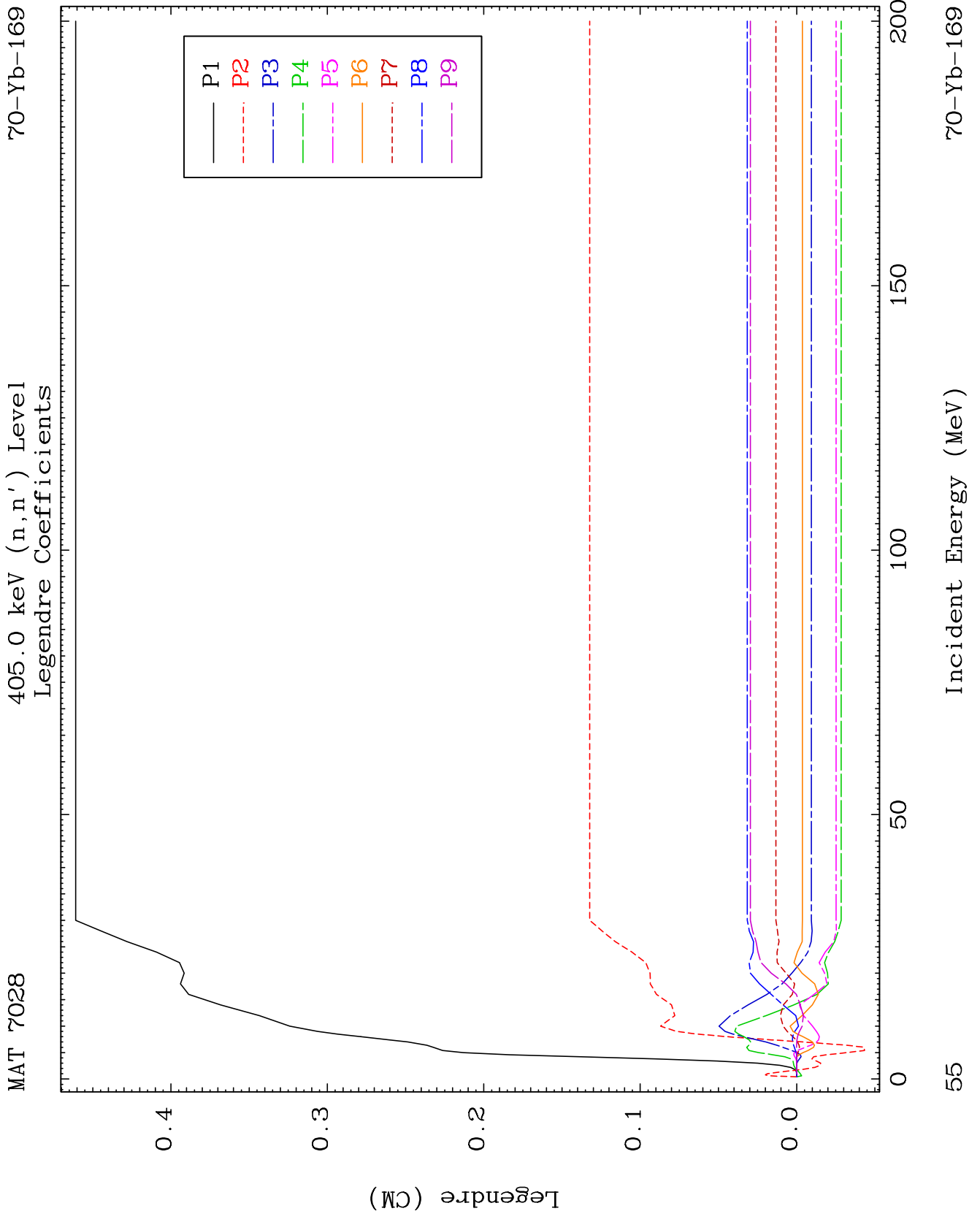
70-Yb-169



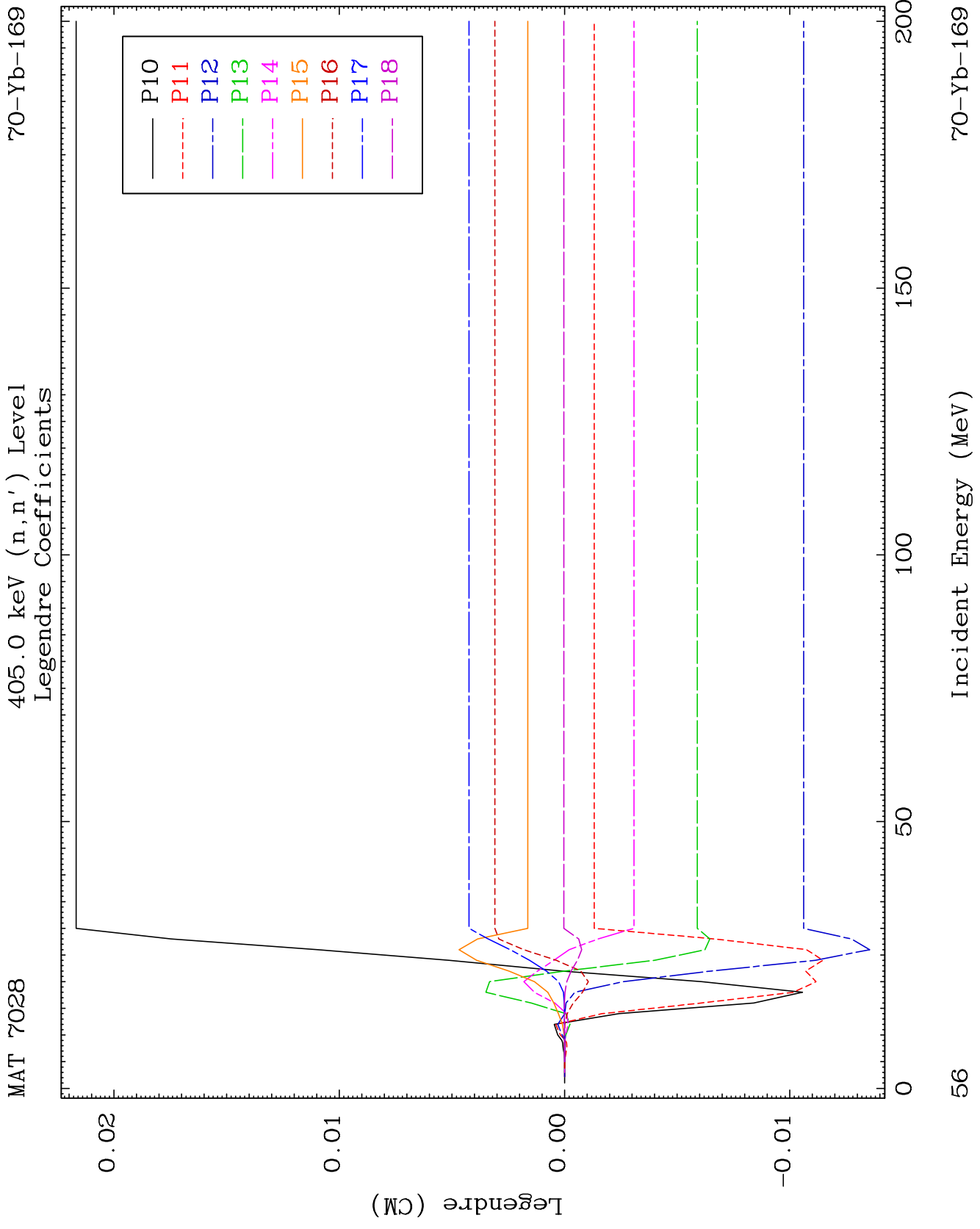
53

70-Yb-169





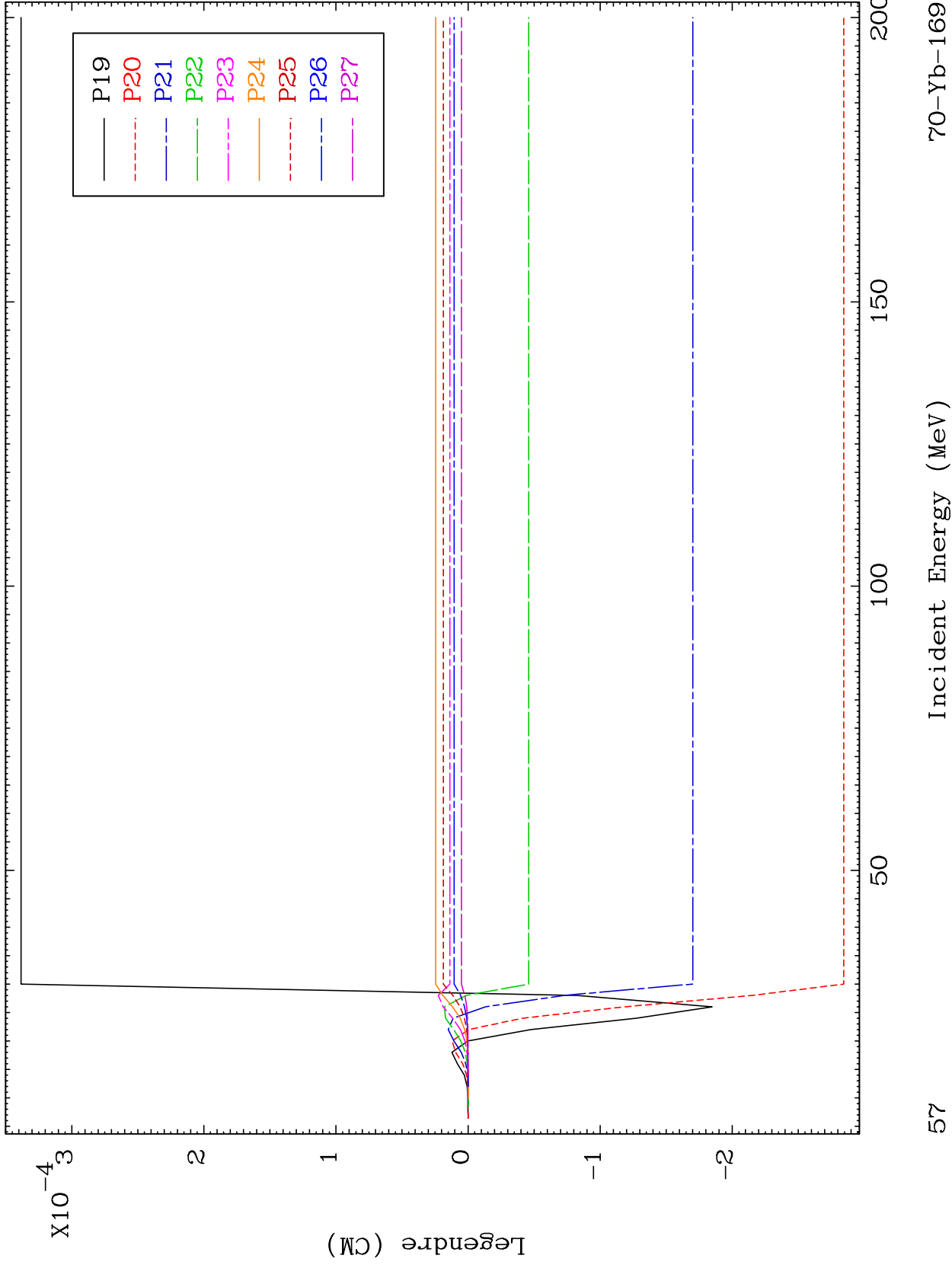




MAT 7028

405.0 keV (n,n') Level  
Legendre Coefficients

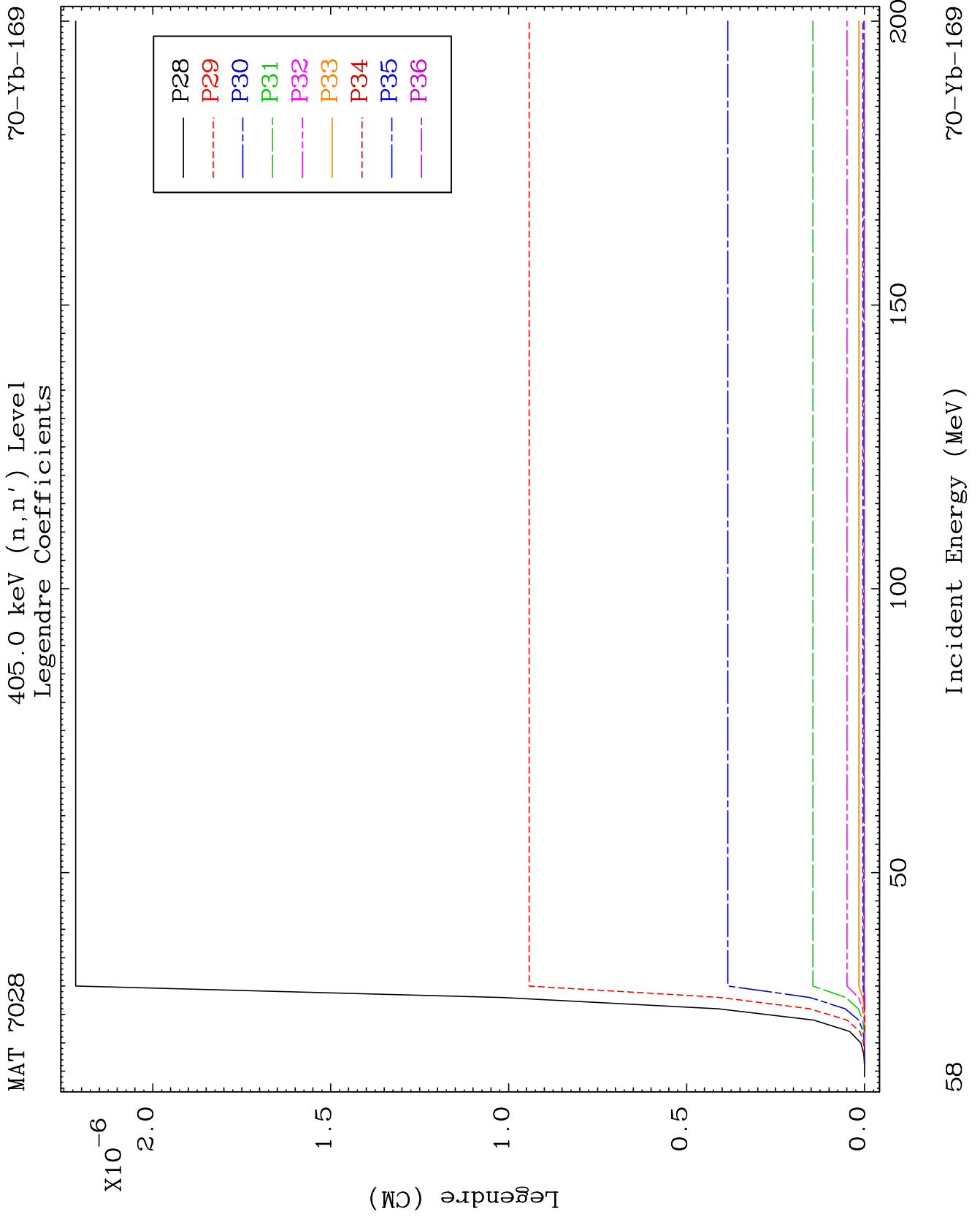
70-Yb-169



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Incident Energy (MeV)

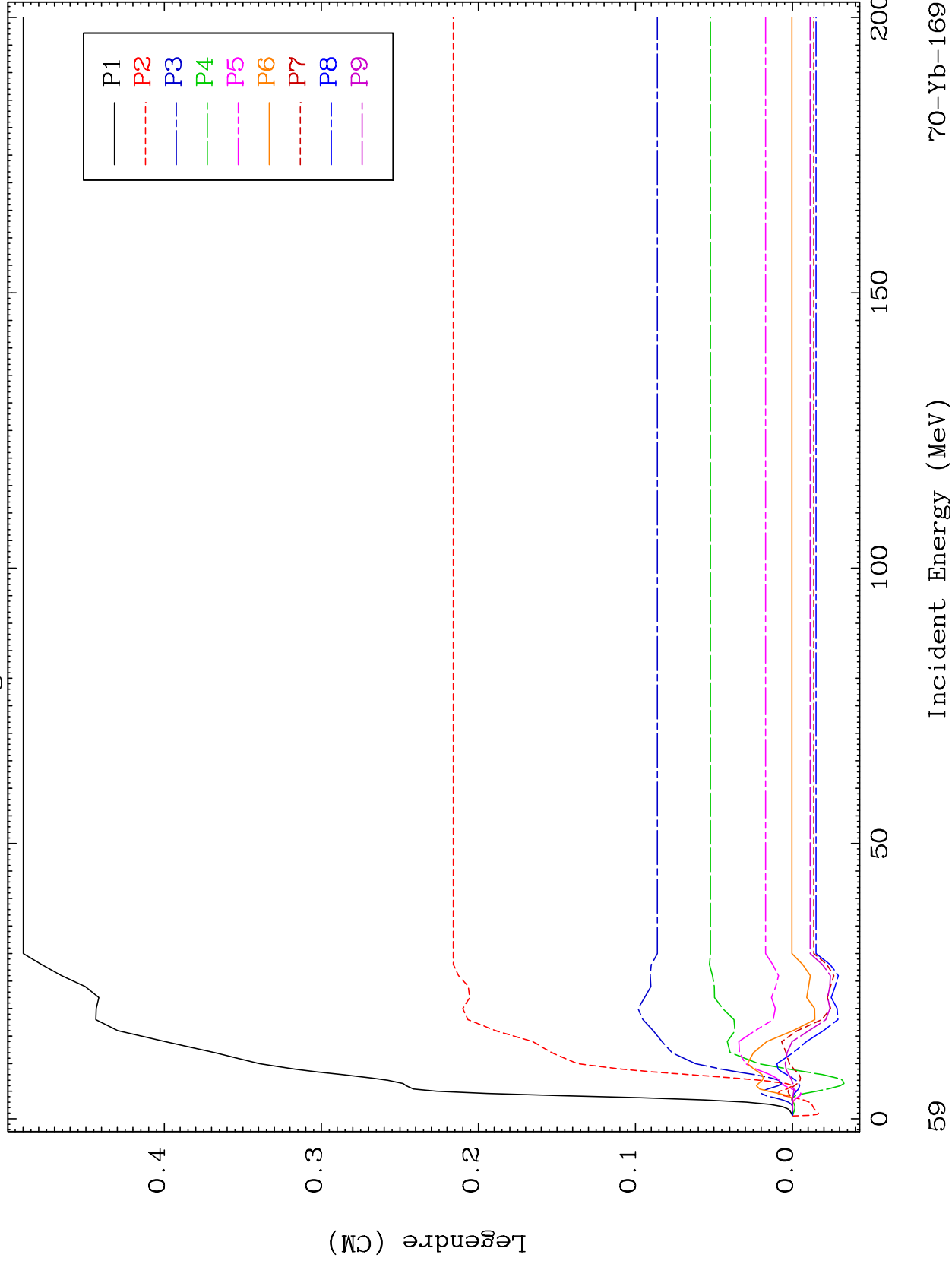
70-Yb-169



MAT 7028

486.9 keV (n, n') Level  
Legendre Coefficients

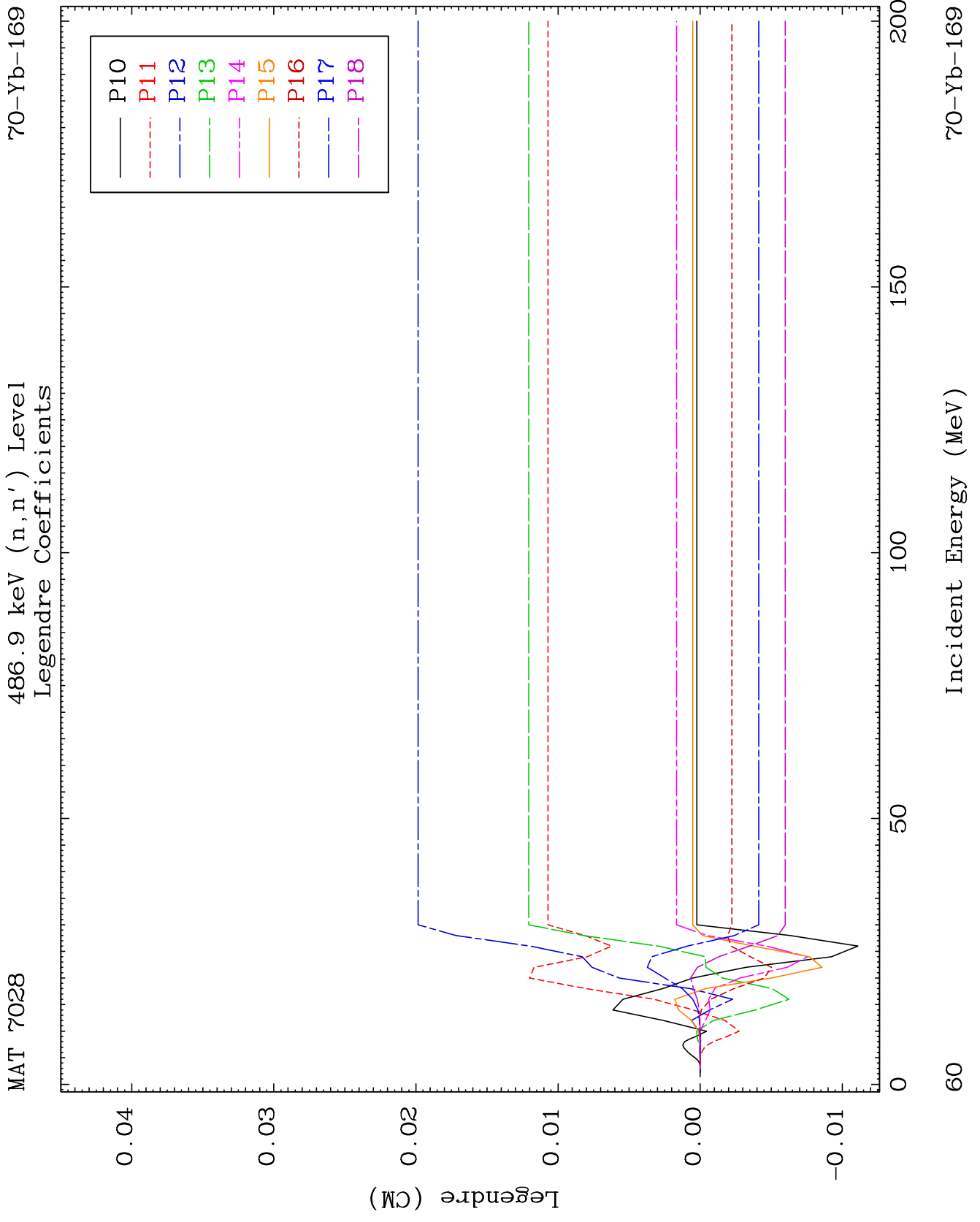
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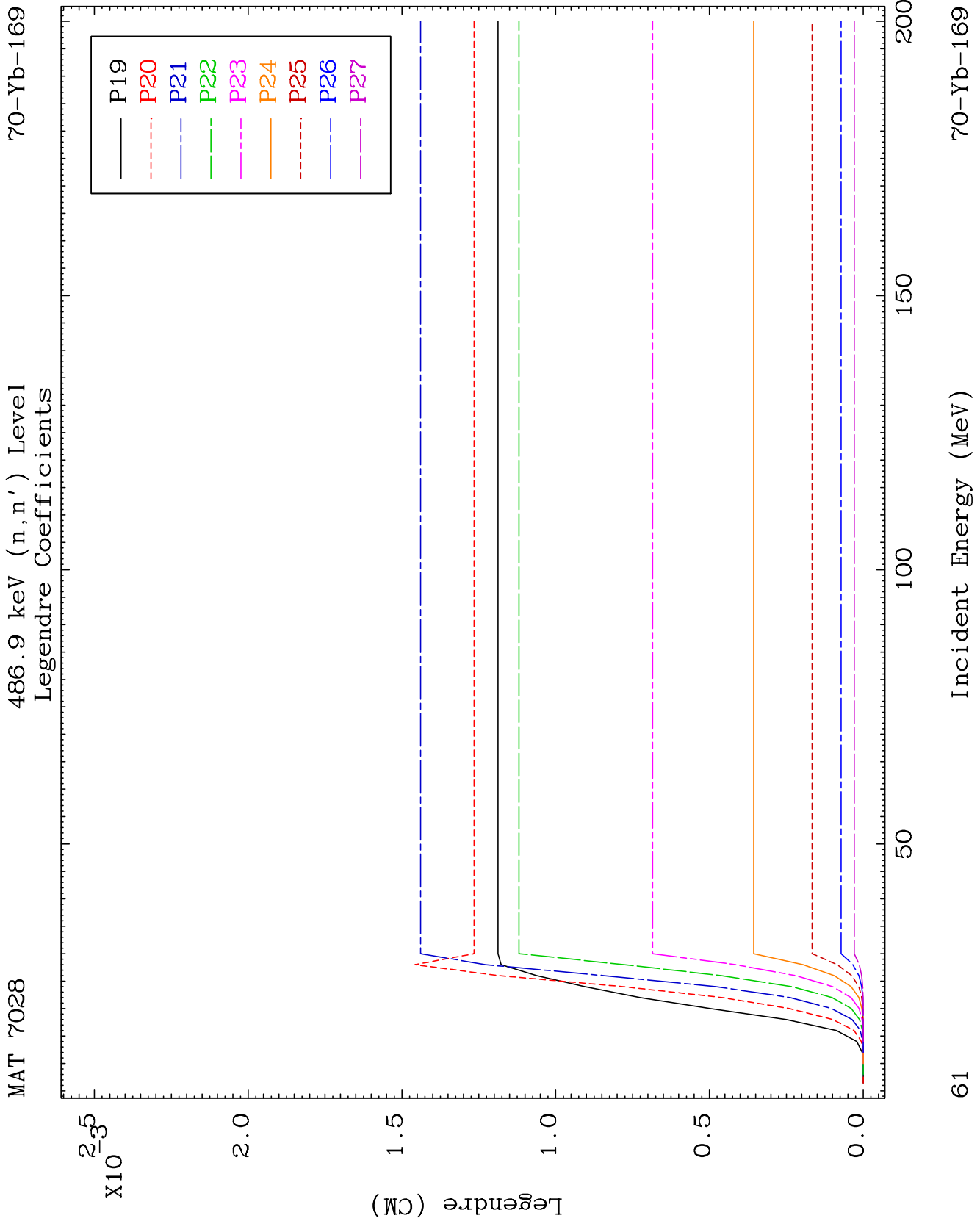


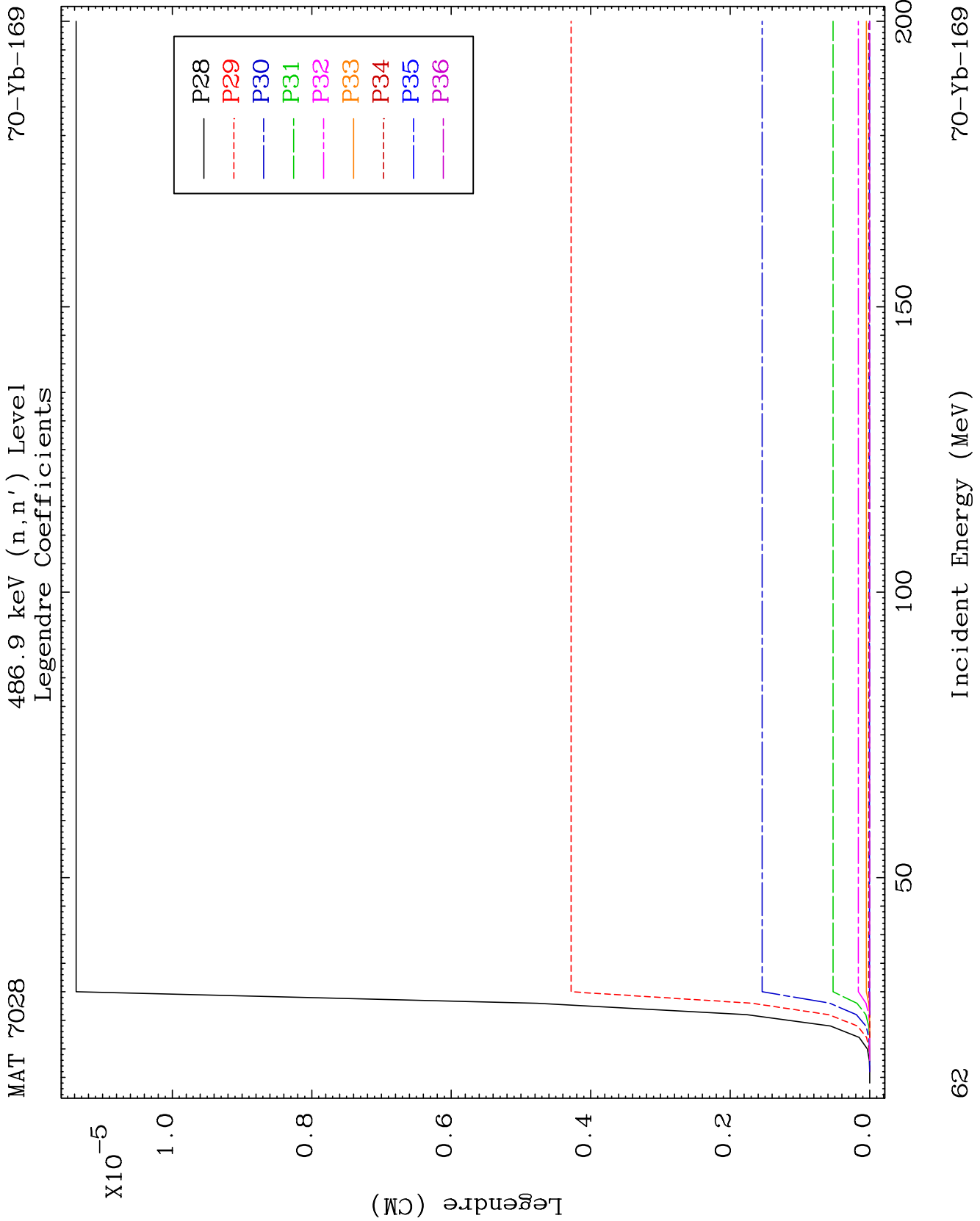
70-Yb-169

Incident Energy (MeV)

59

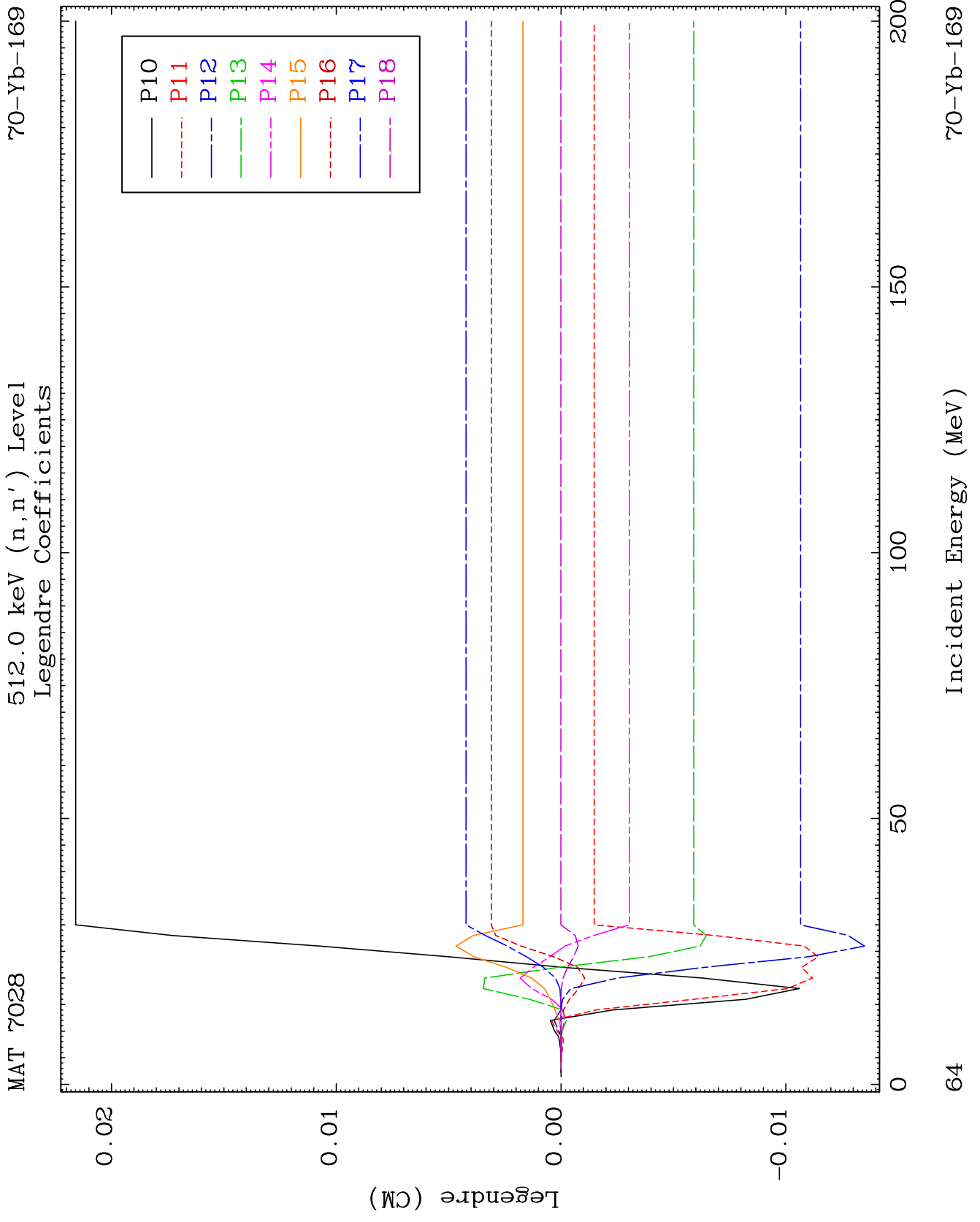


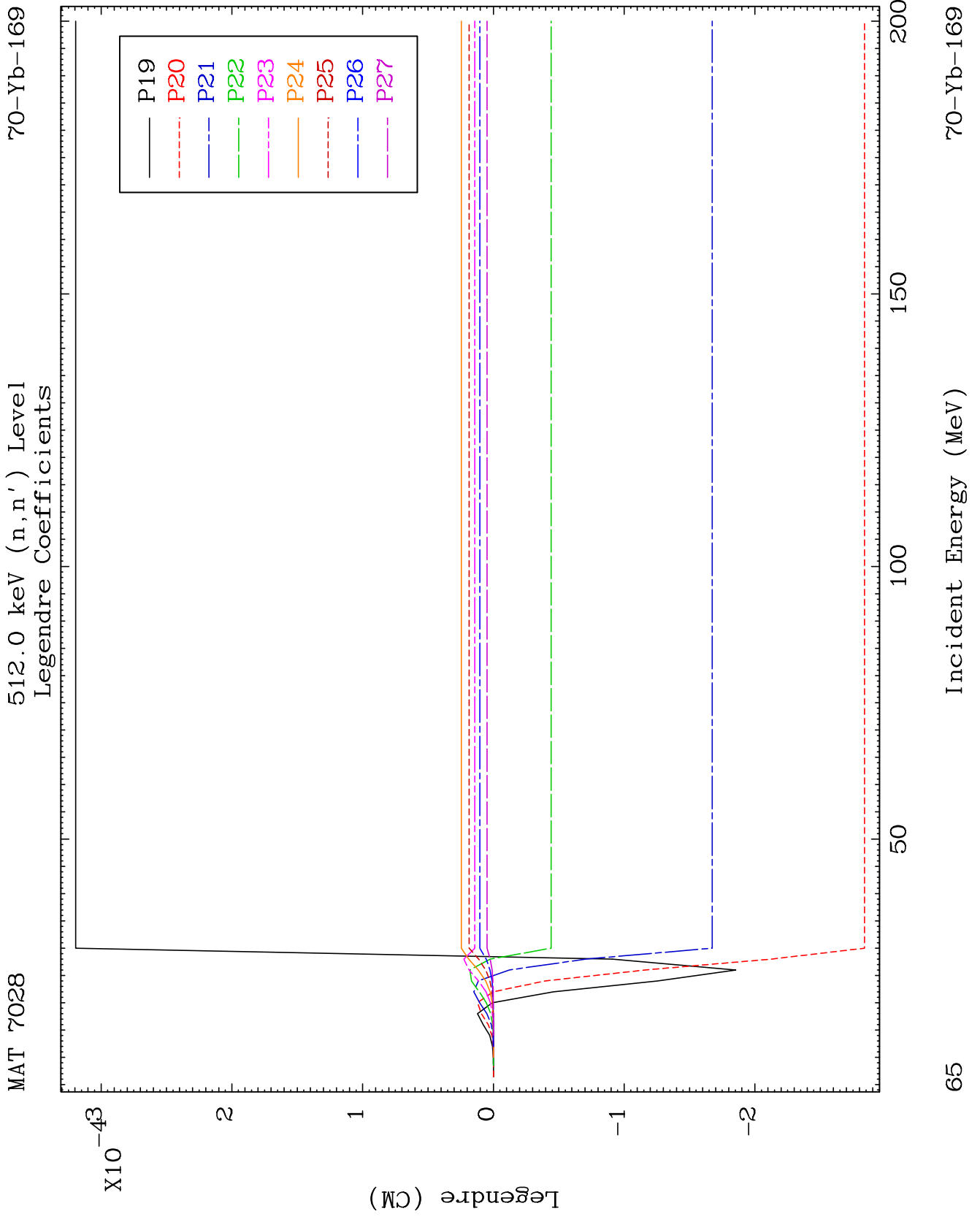


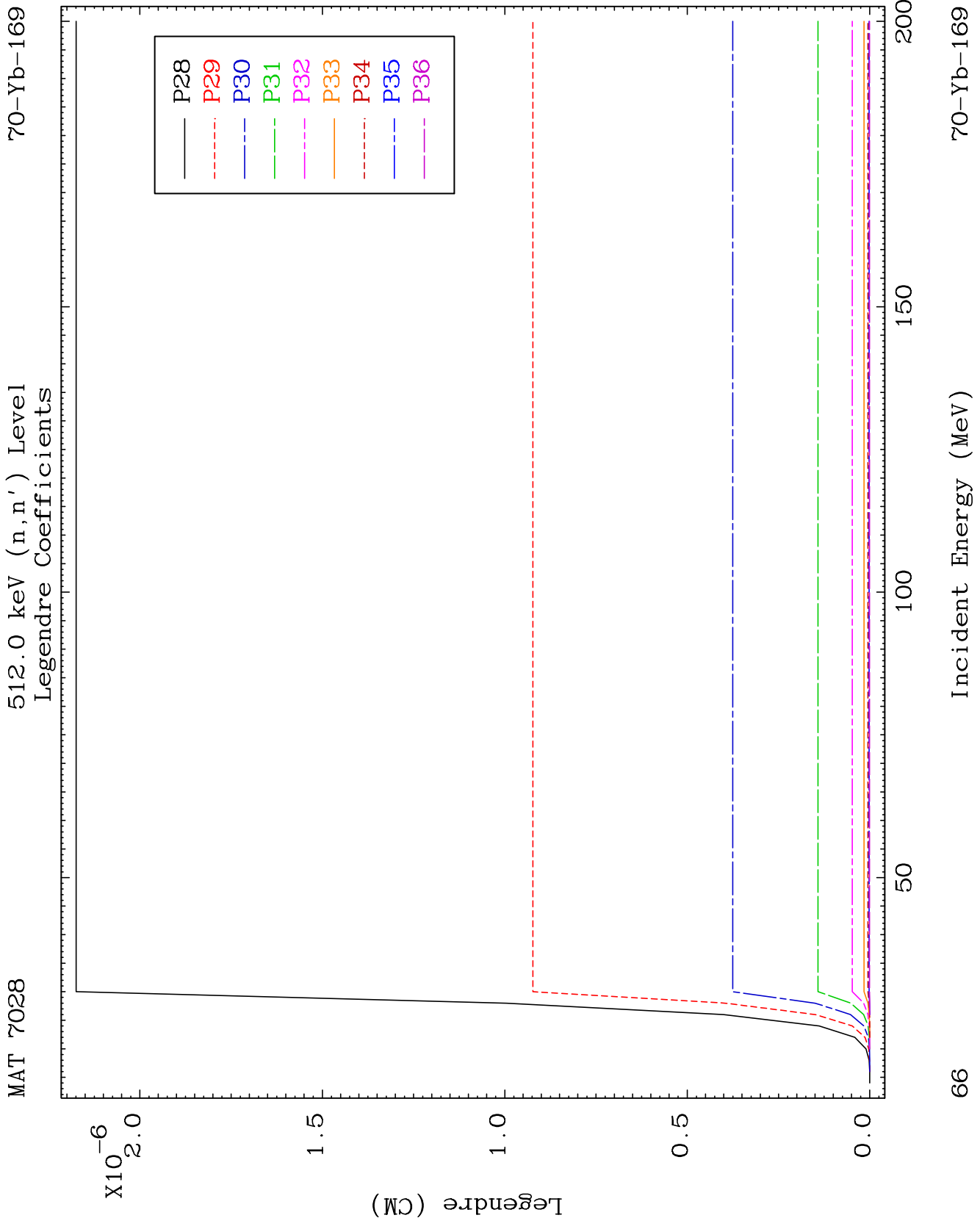


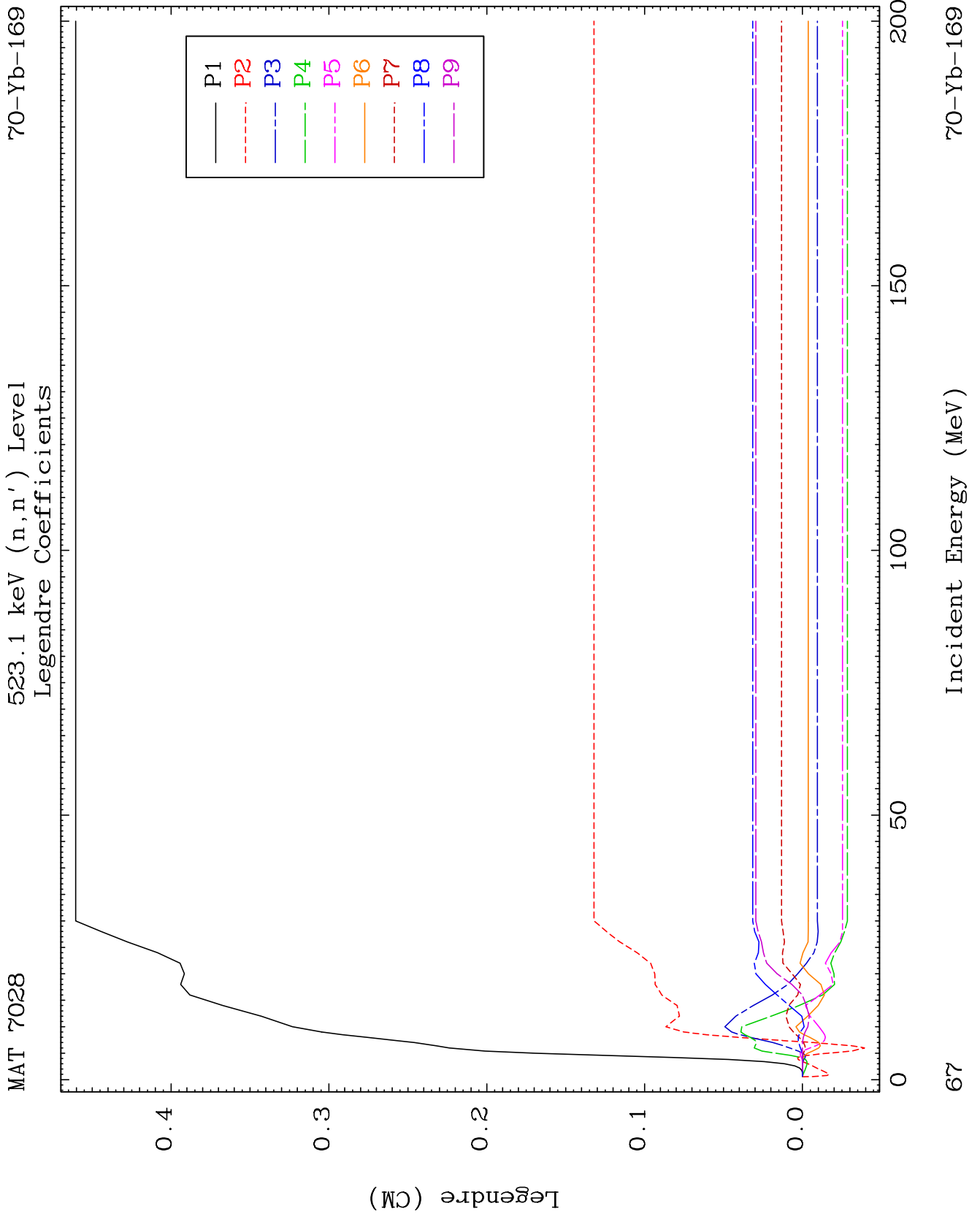








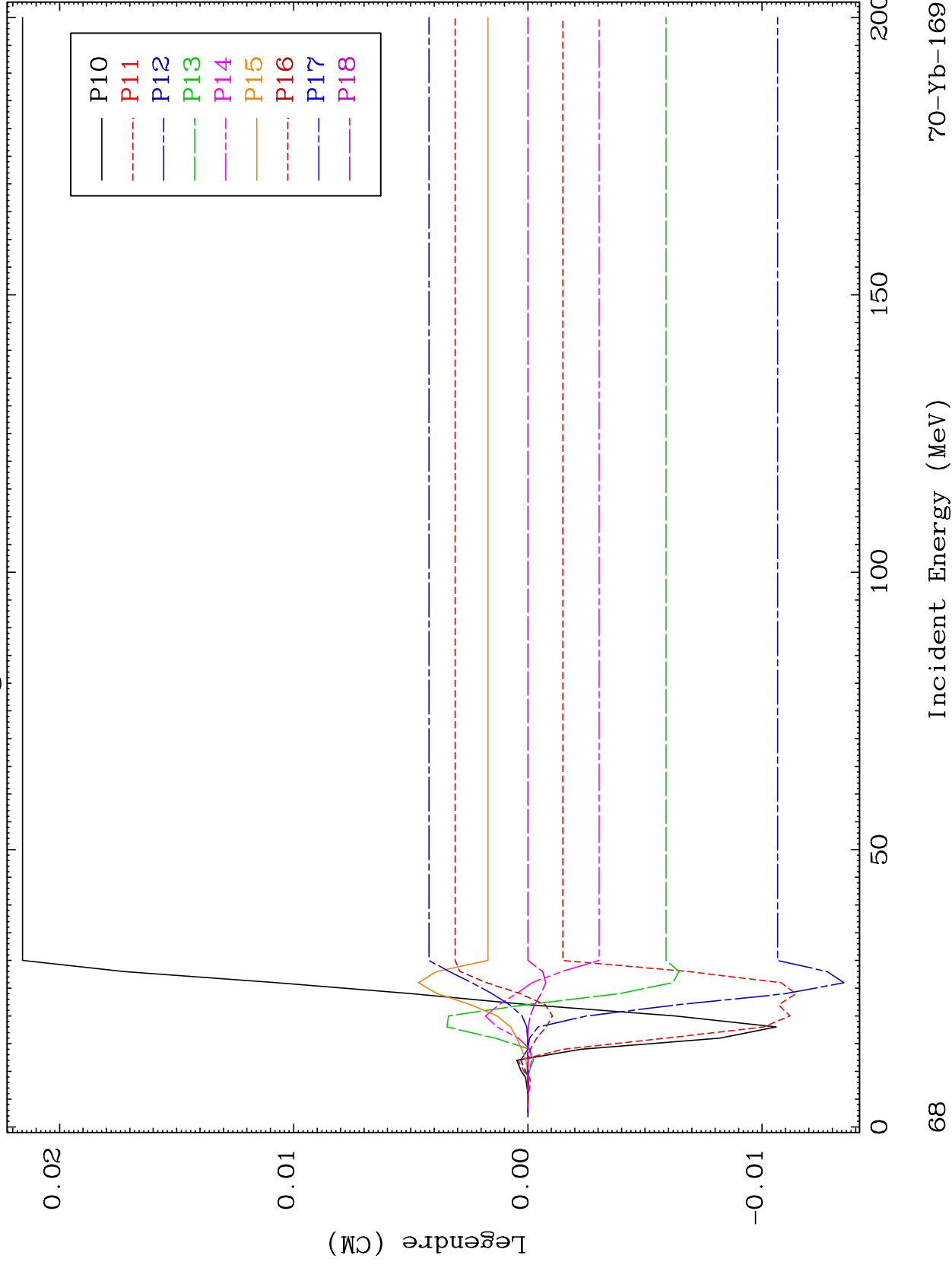




MAT 7028

523.1 keV (n,n') Level  
Legendre Coefficients

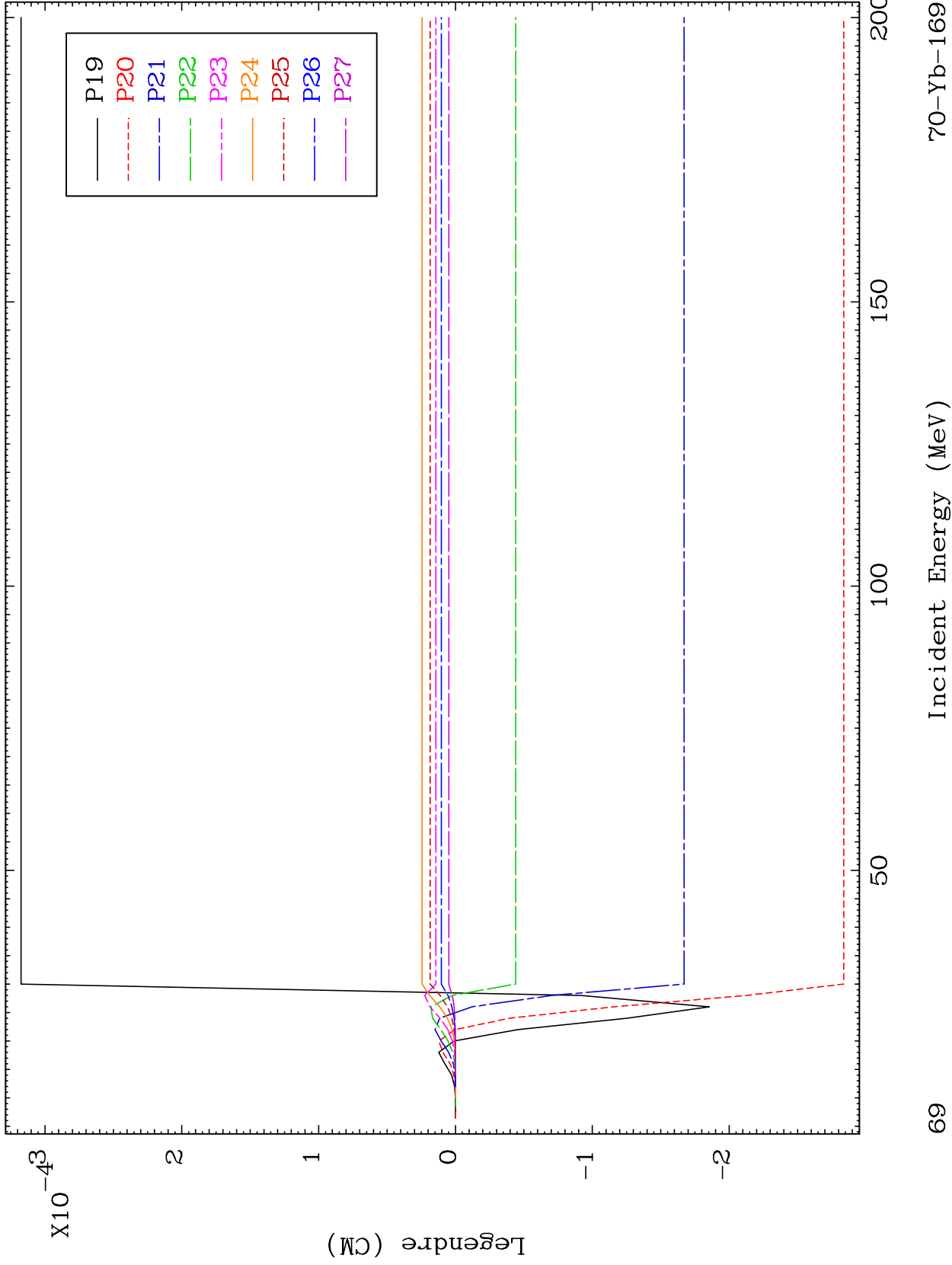
70-Yb-169

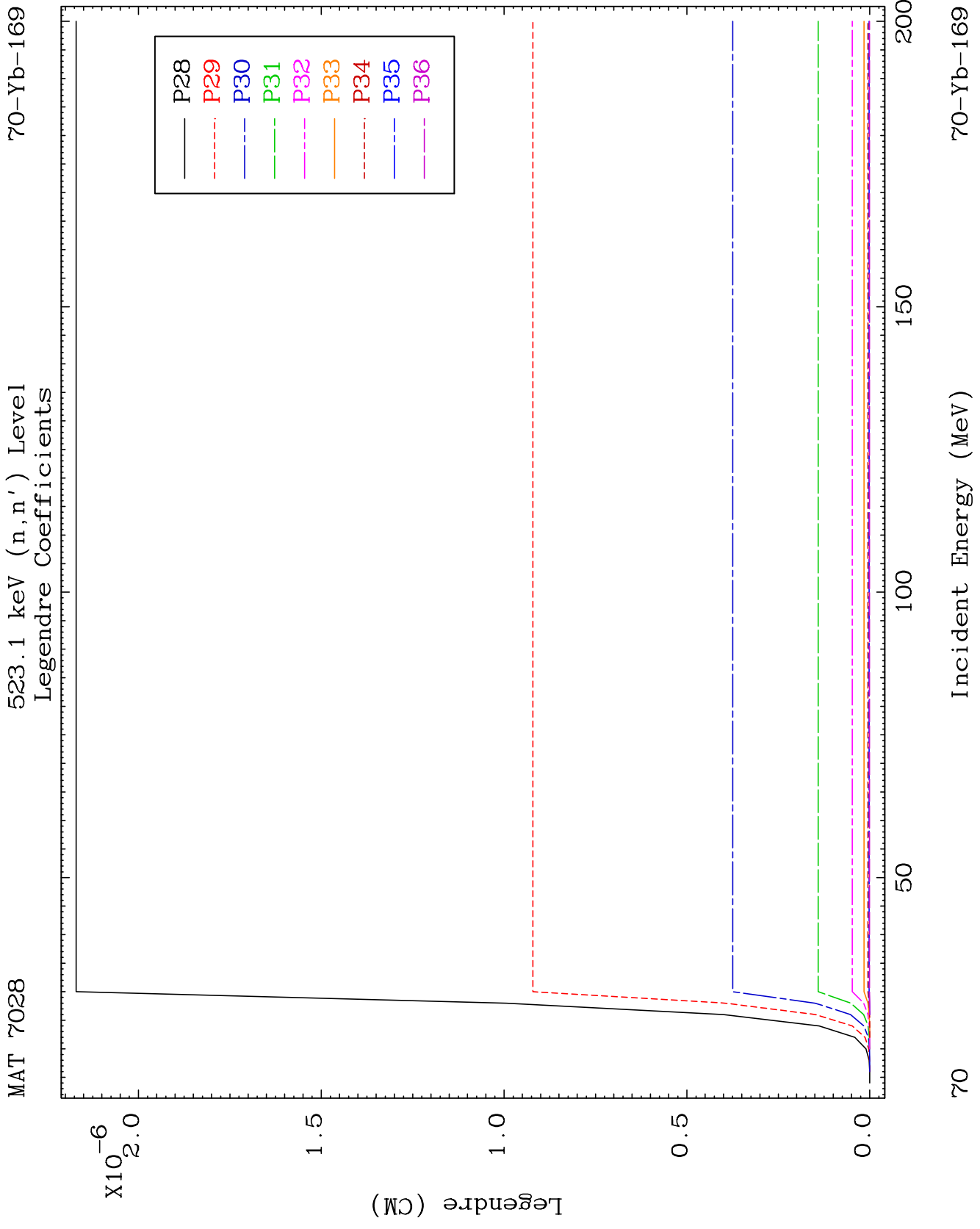


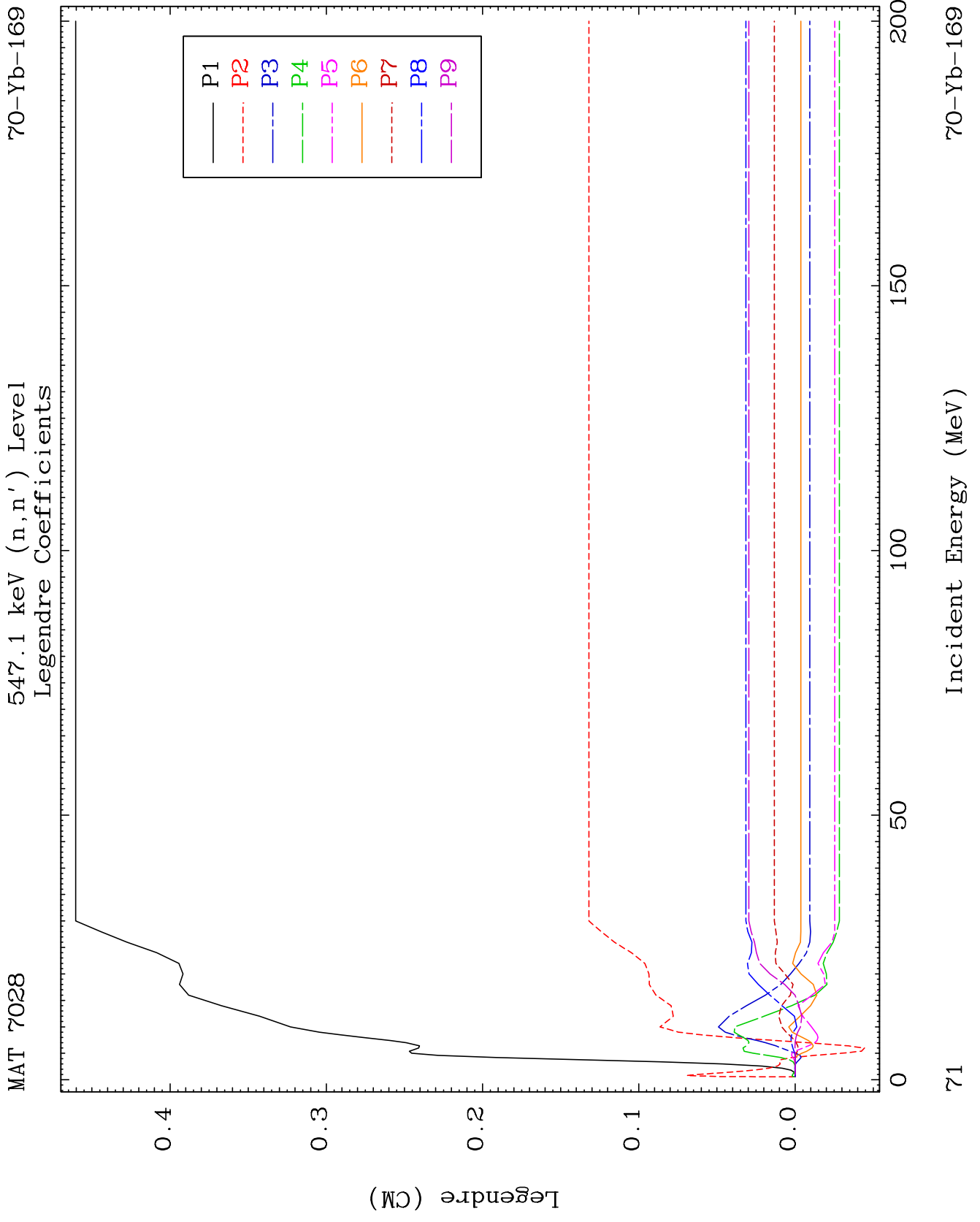
70-Yb-169

Incident Energy (MeV)

68





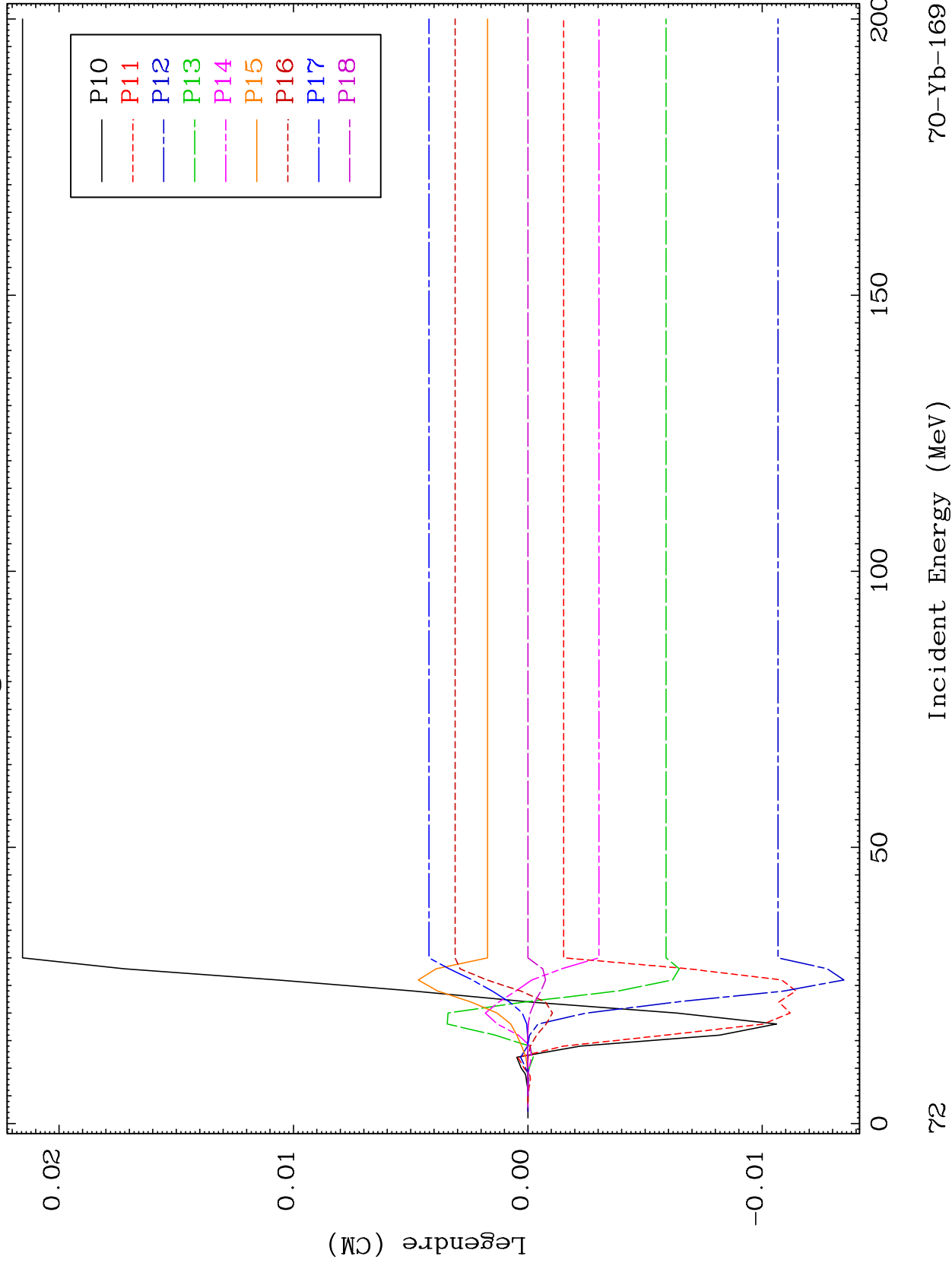




MAT 7028

547.1 keV (n,n') Level  
Legendre Coefficients

70-Yb-169

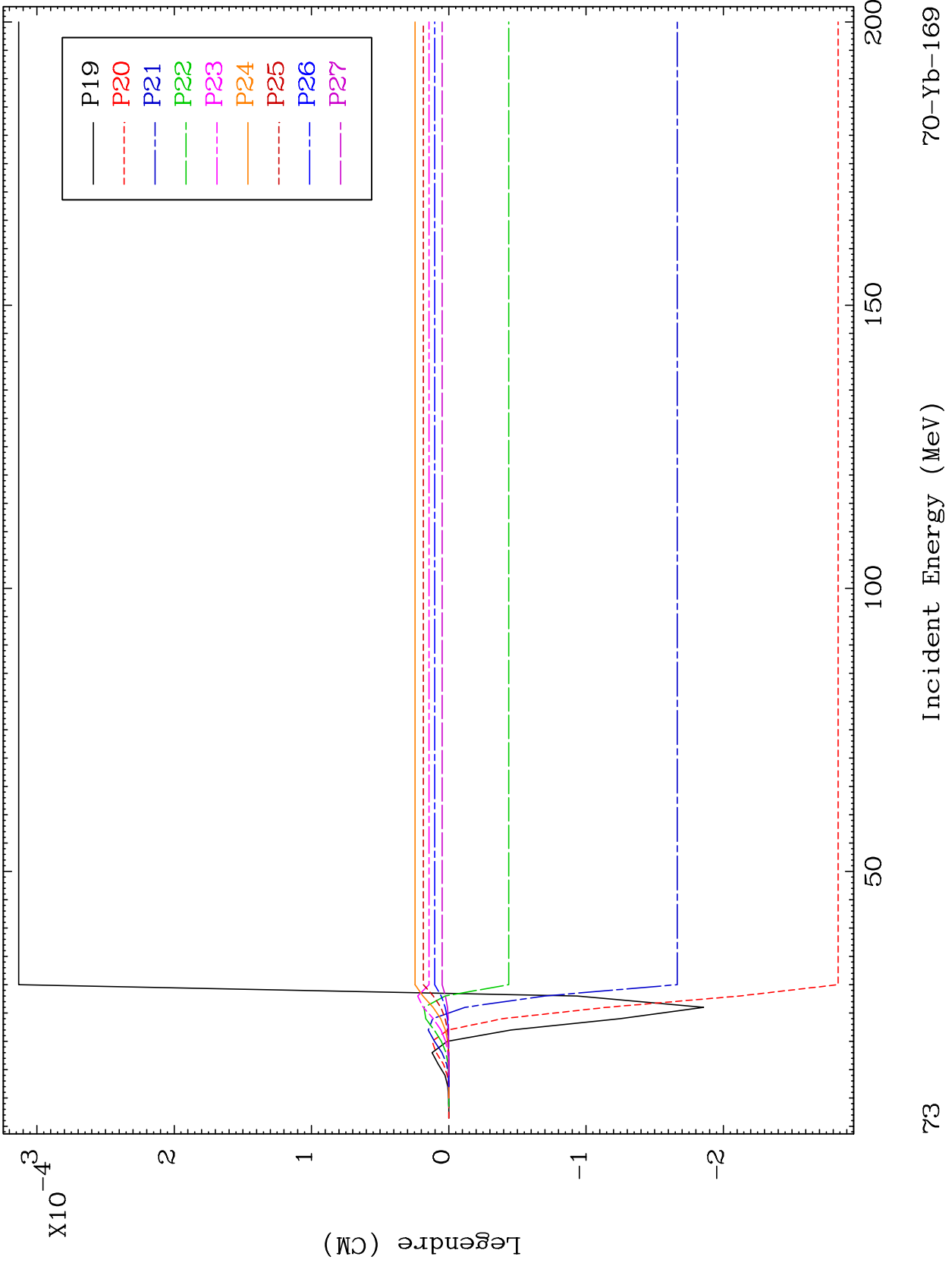


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MAT 7028

547.1 keV (n,n') Level  
Legendre Coefficients

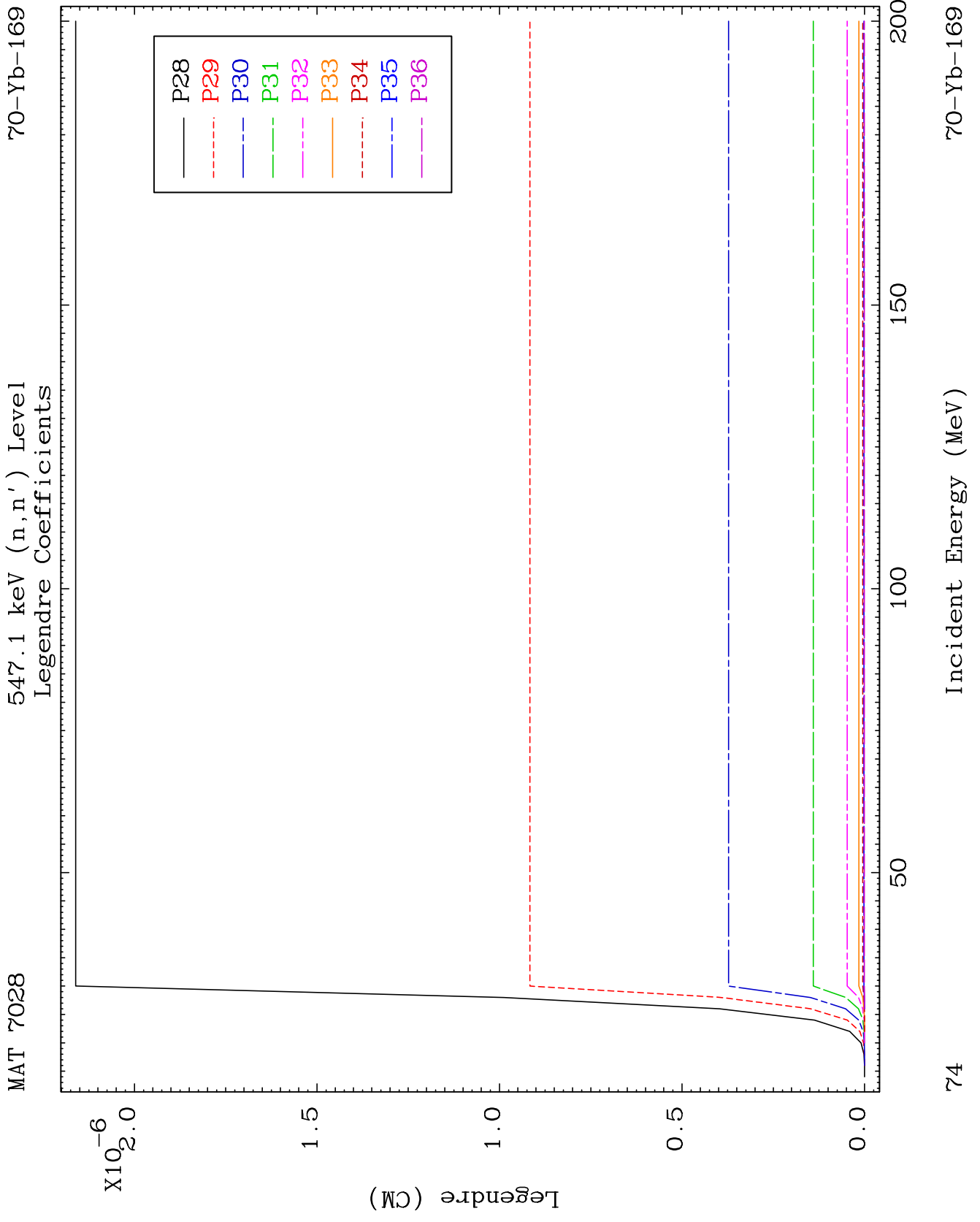
70-Yb-169

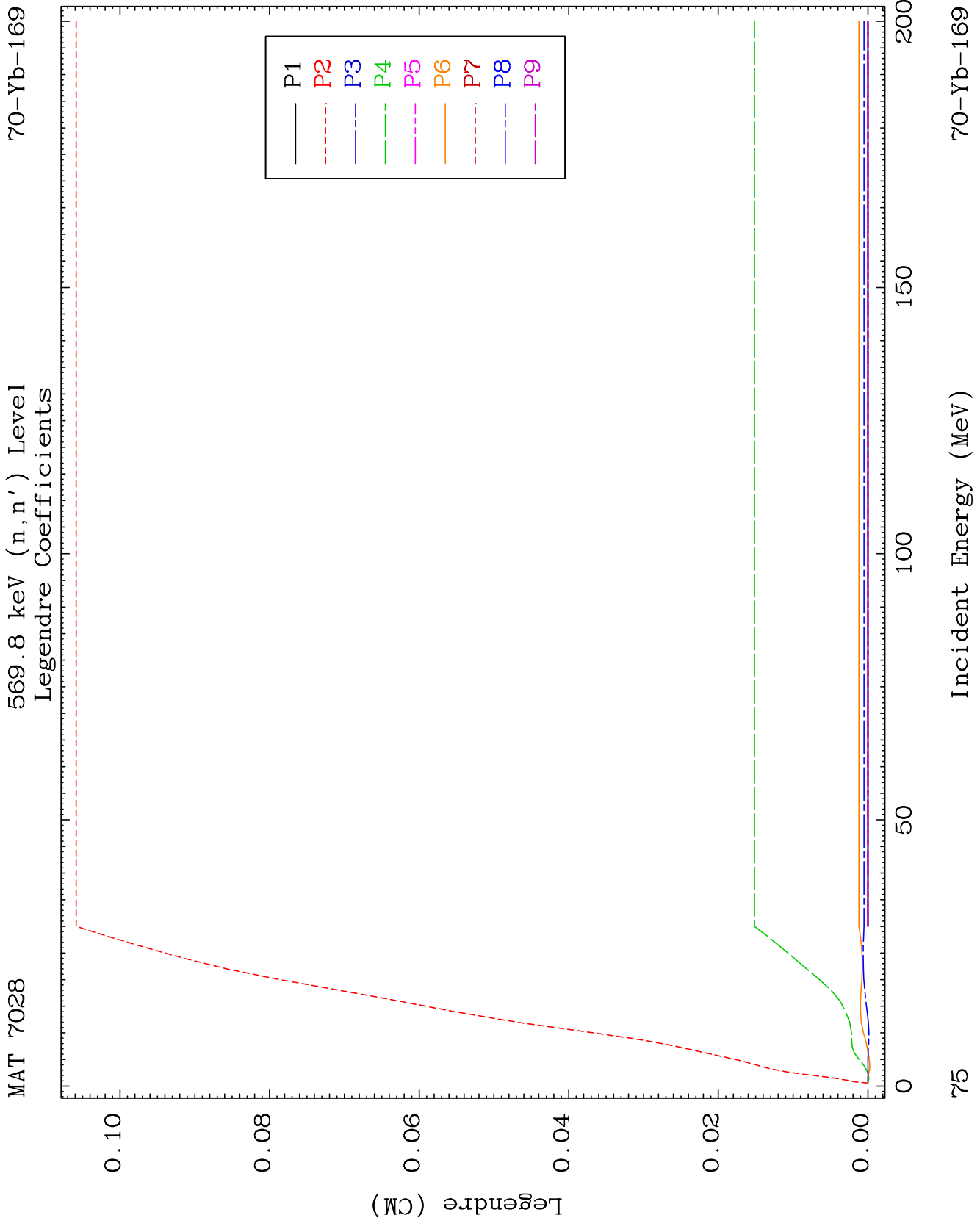


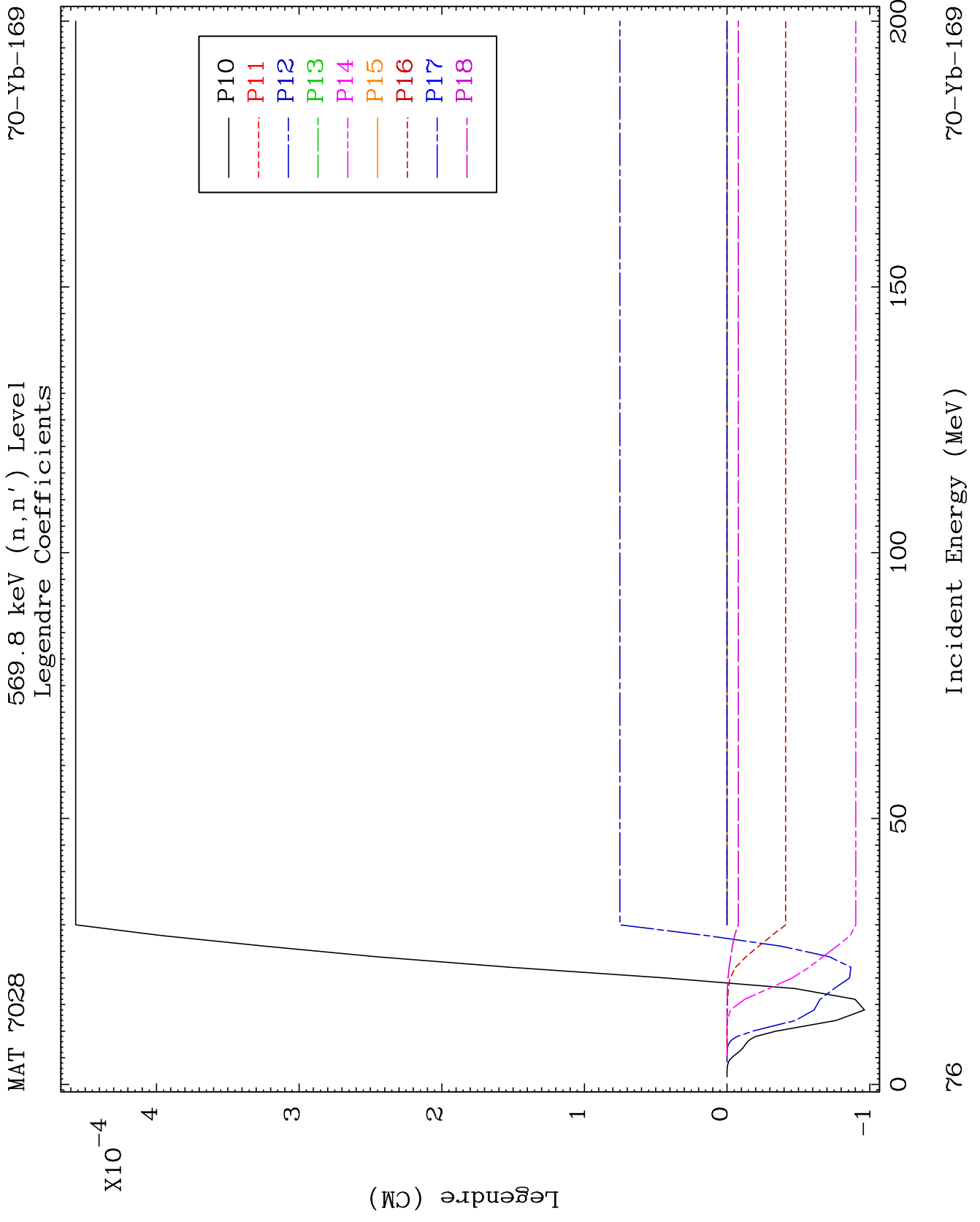
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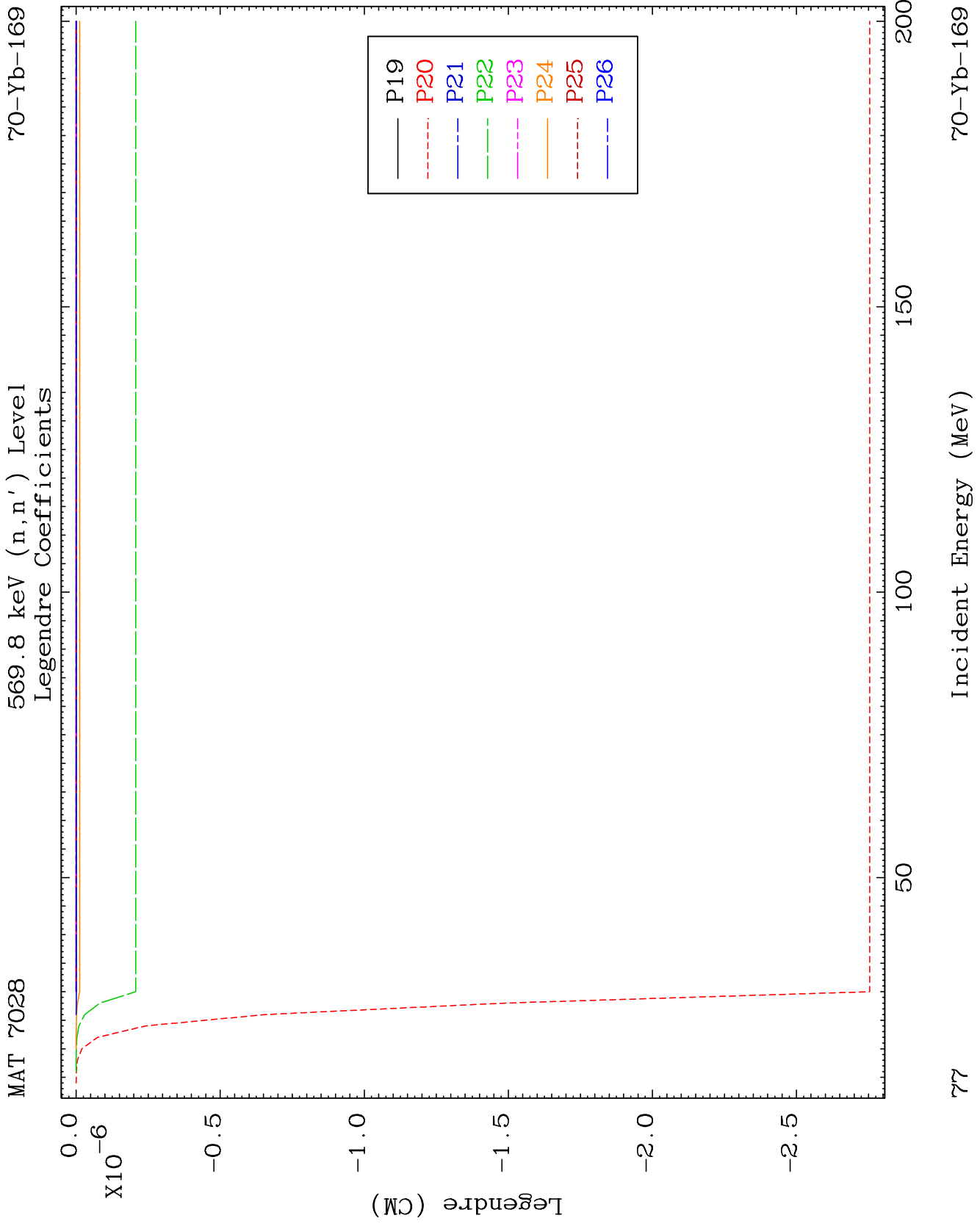
Incident Energy (MeV)

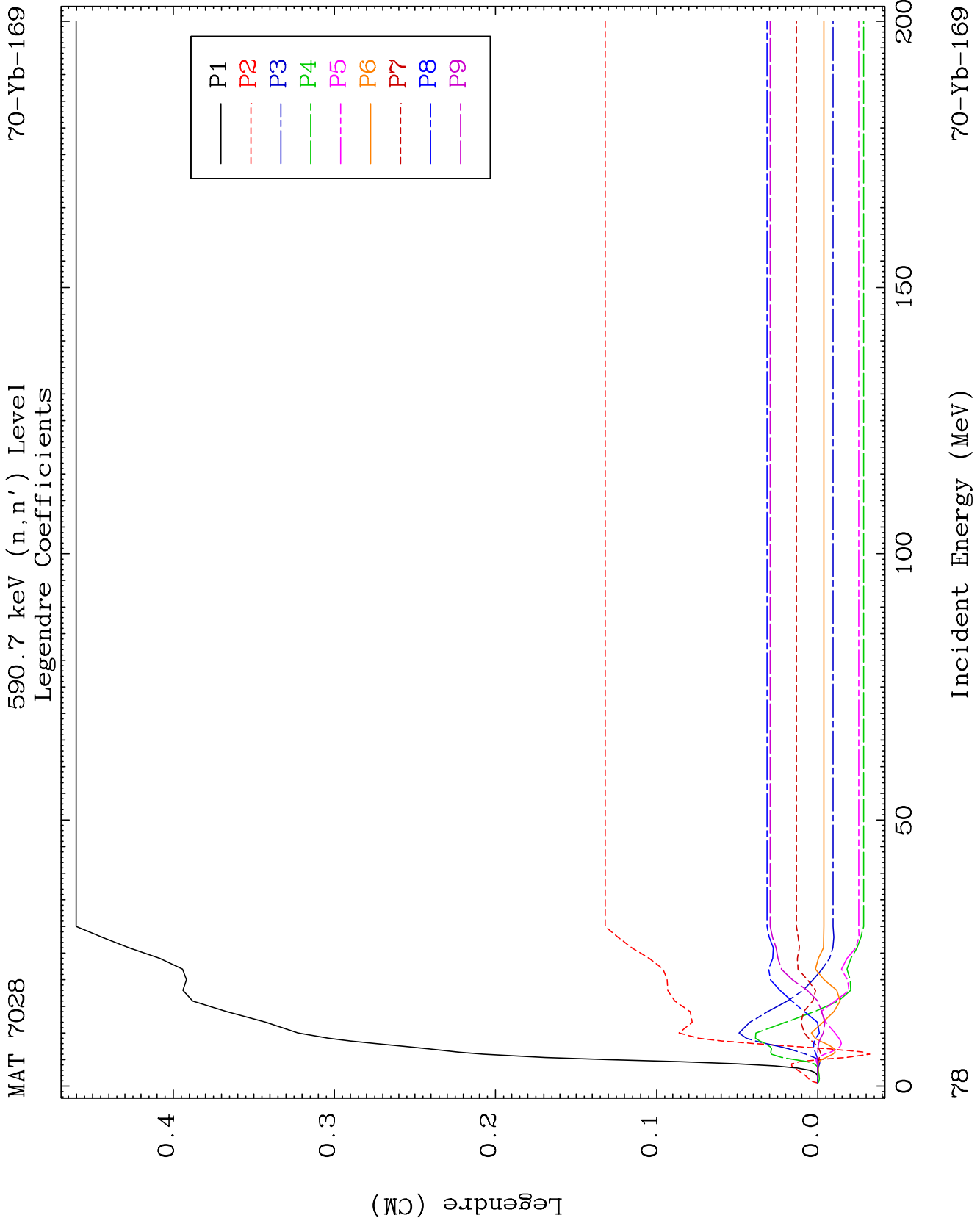
70-Yb-169





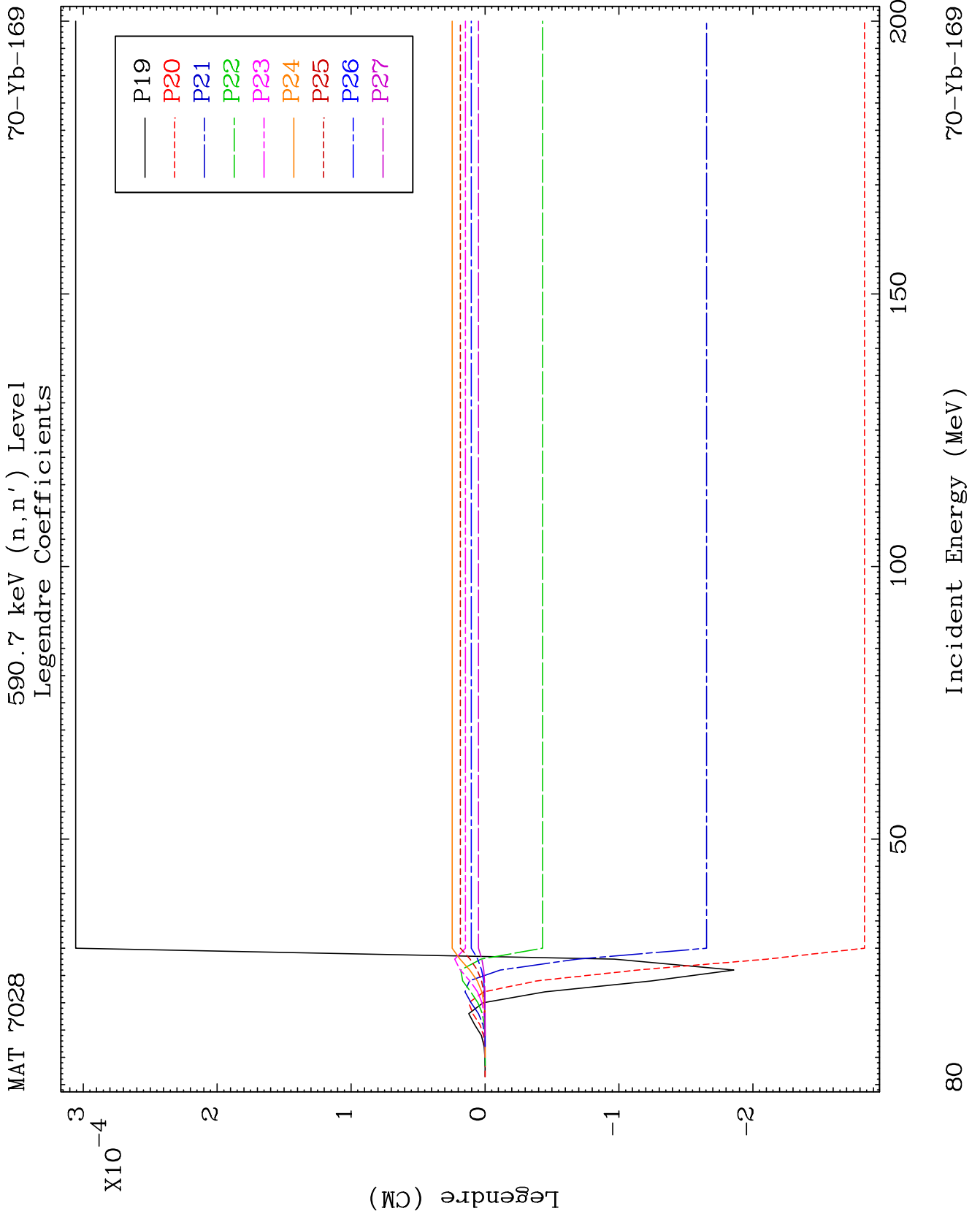


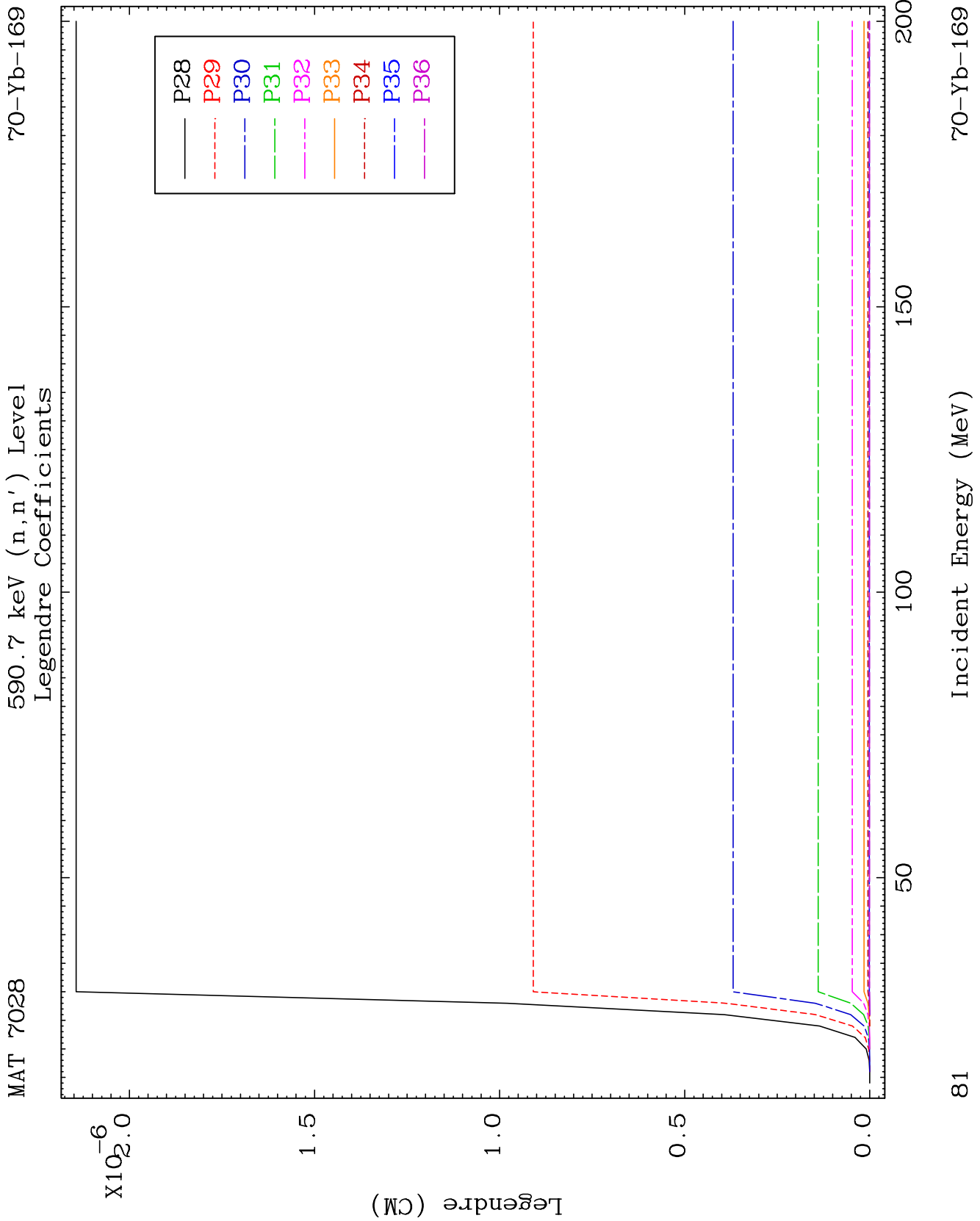


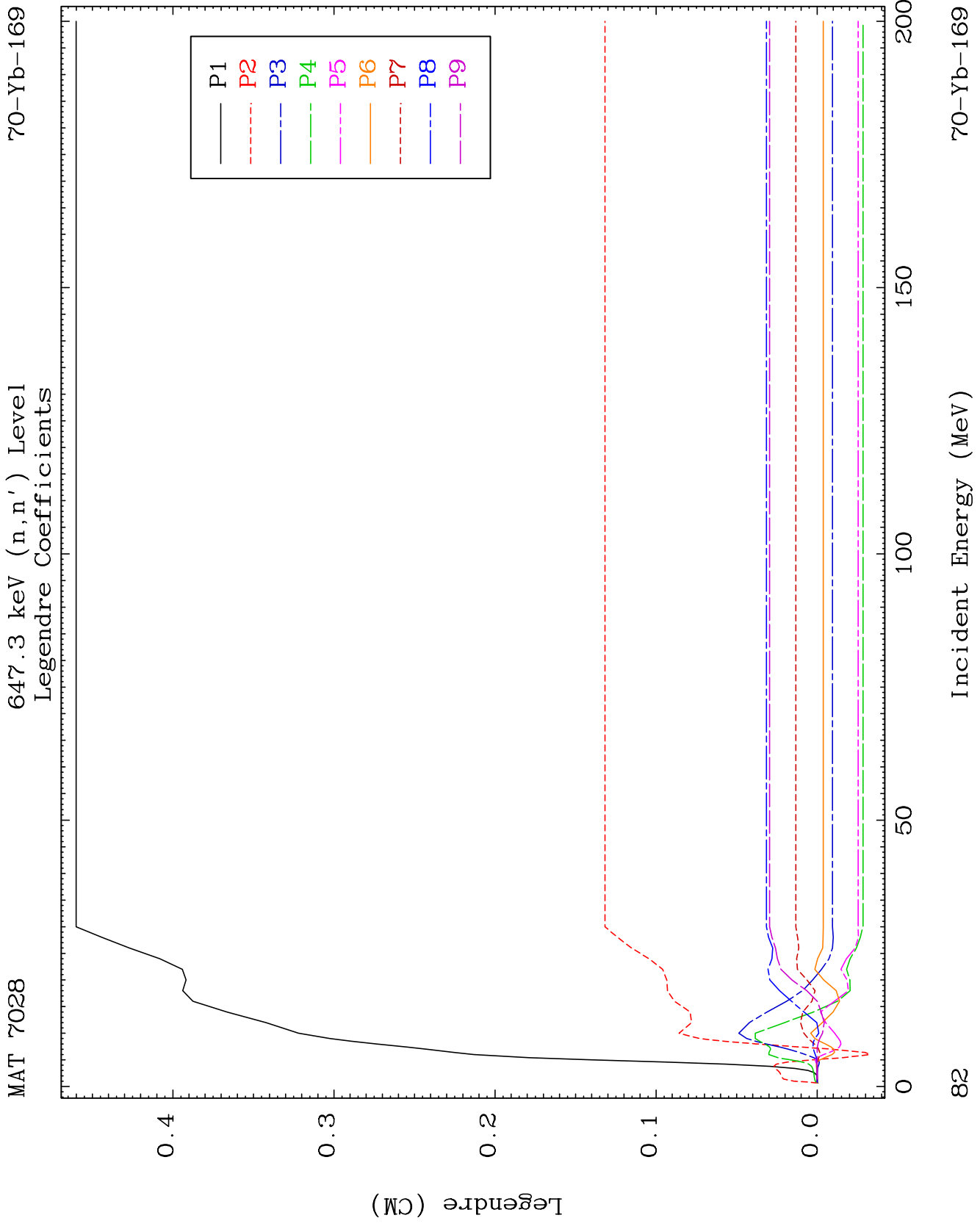








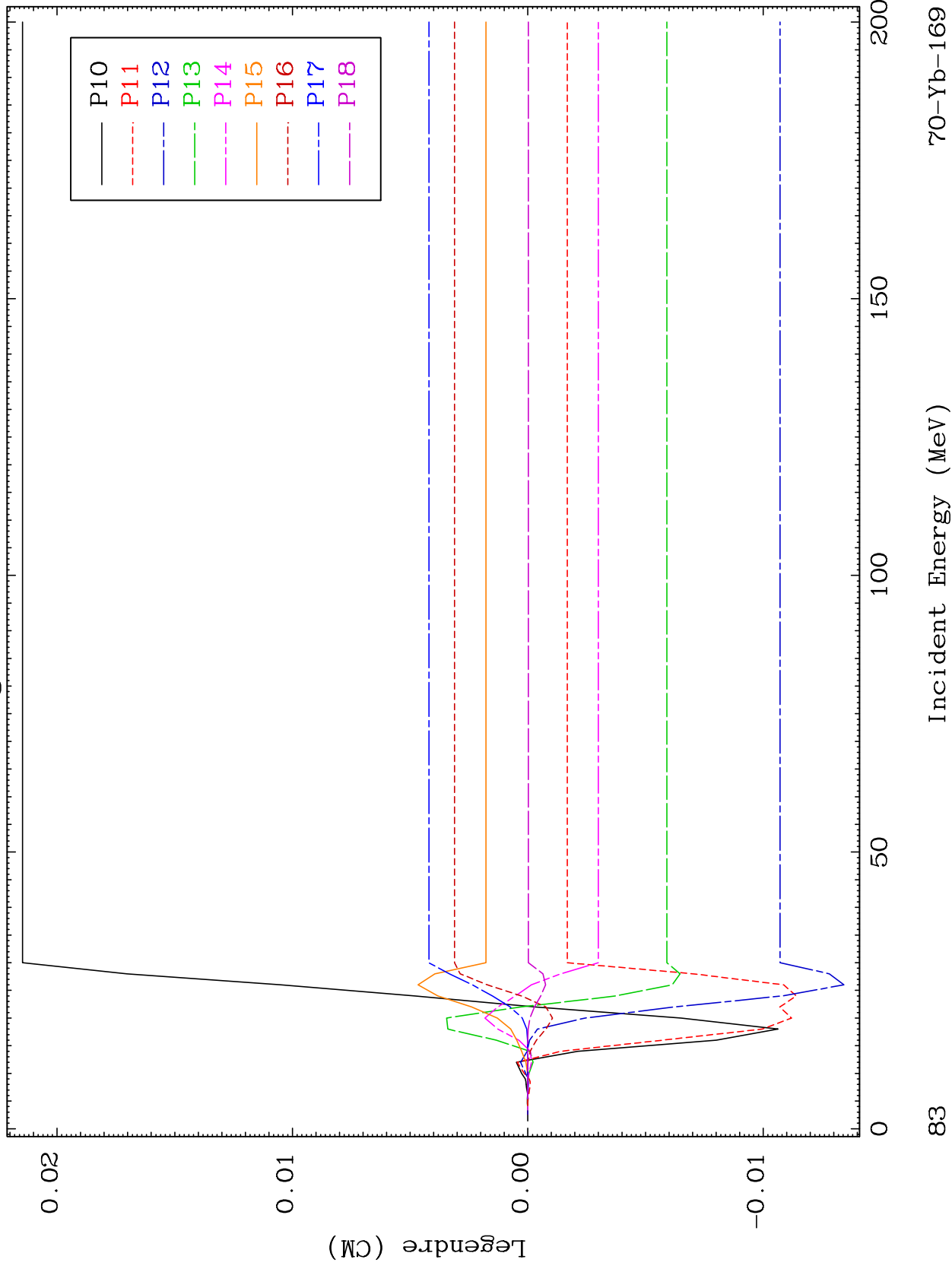




MAT 7028

647.3 keV (n,n') Level  
Legendre Coefficients

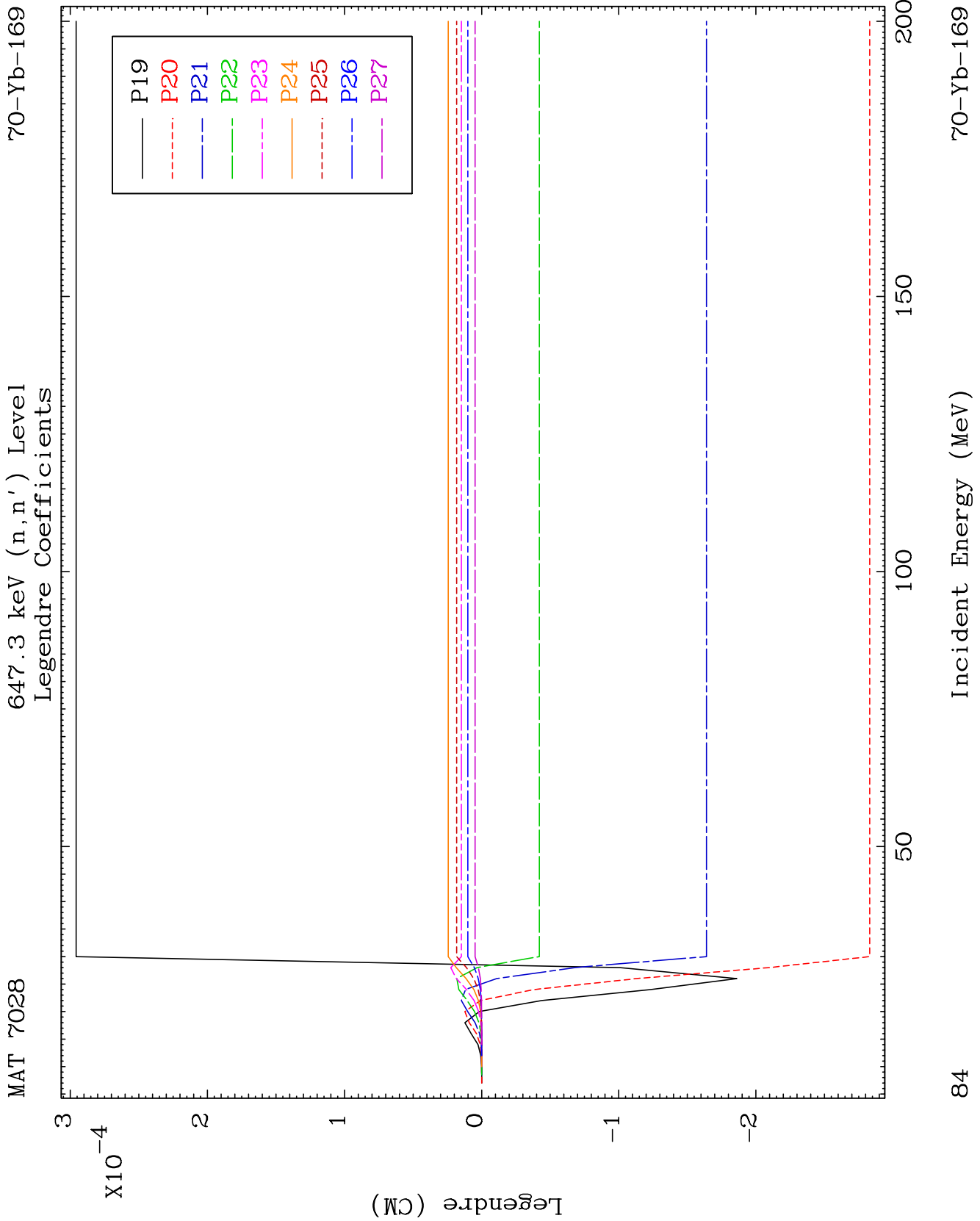
70-Yb-169

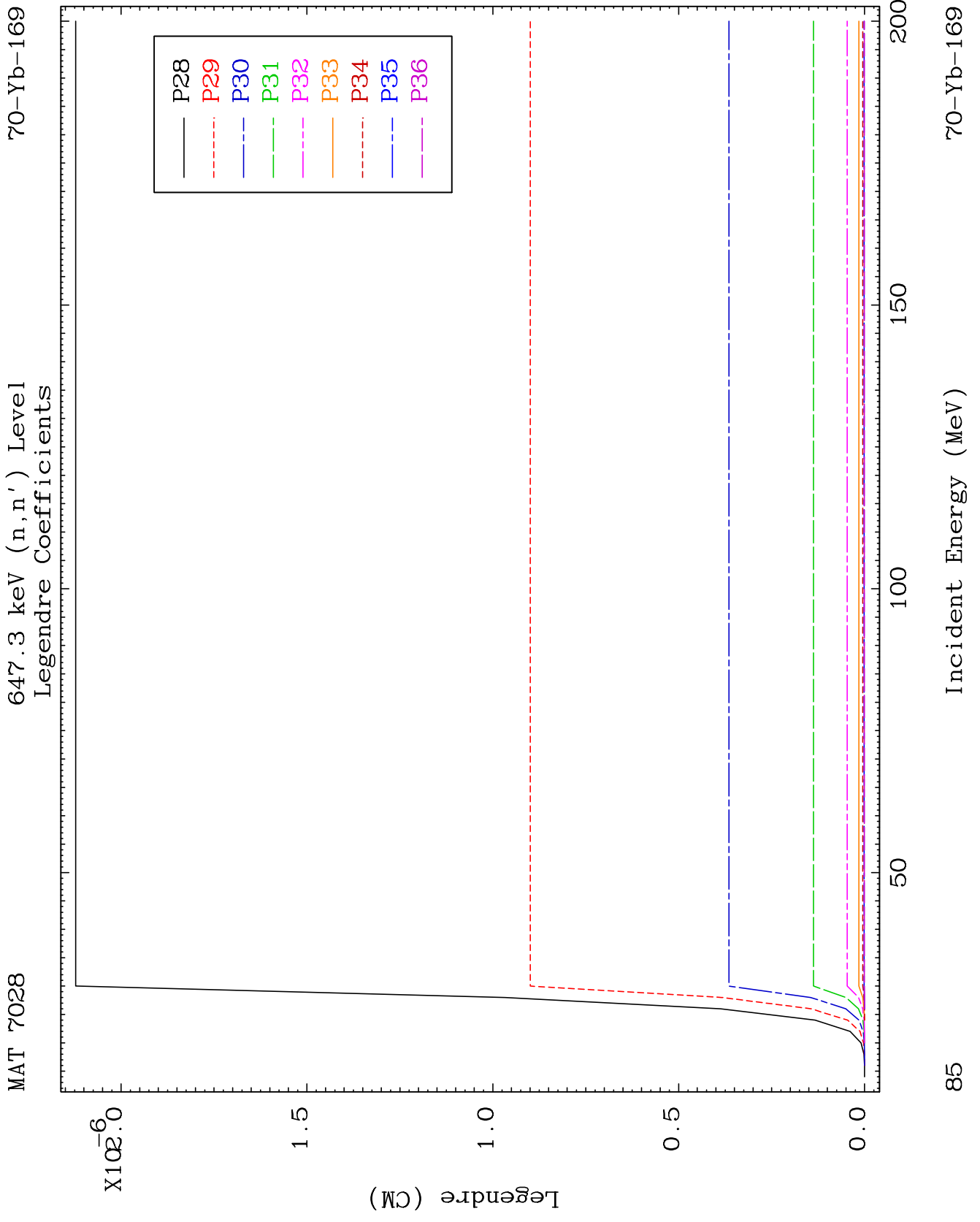


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Incident Energy (MeV)

70-Yb-169



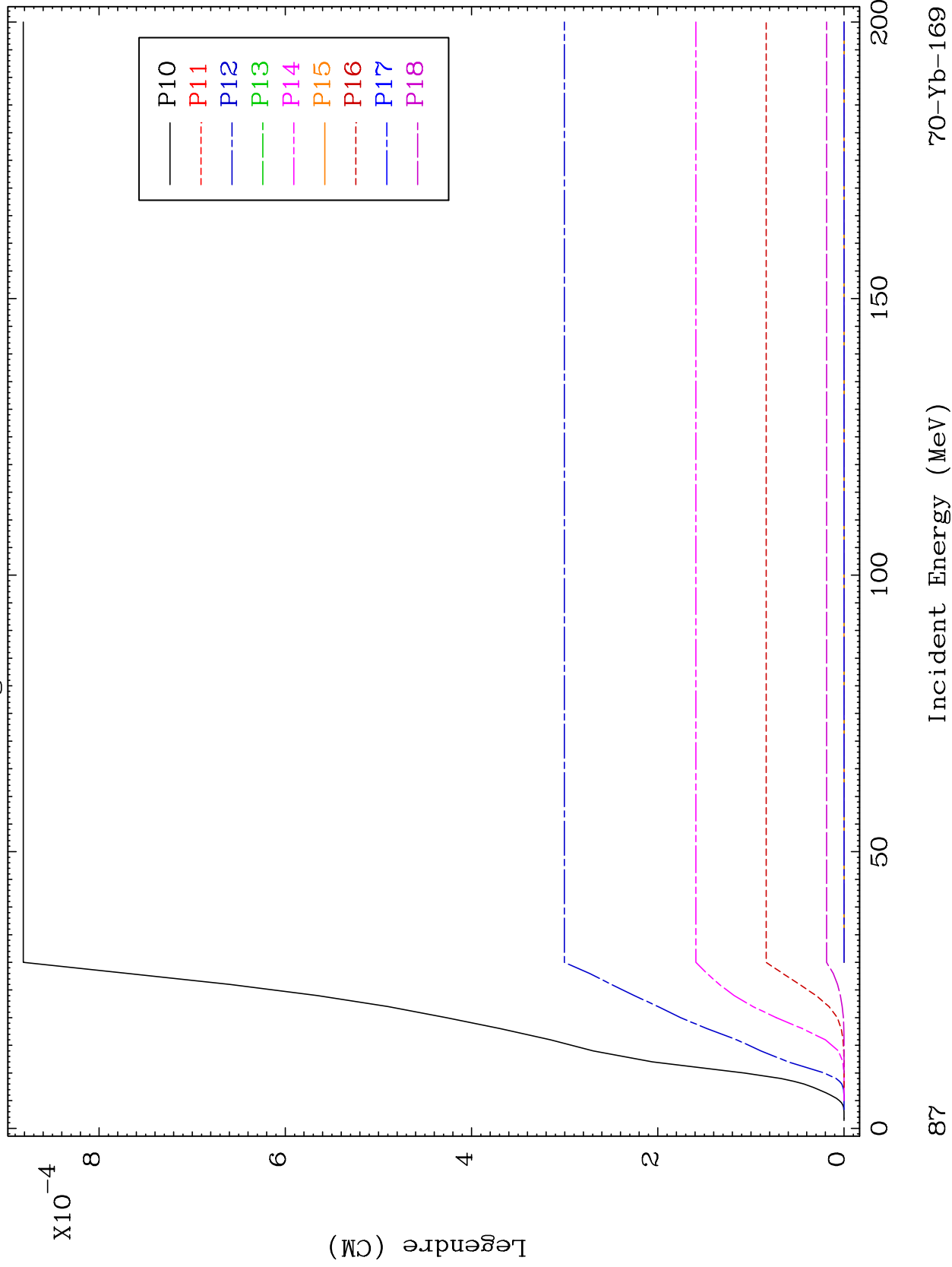




MAT 7028

653.7 keV (n,n') Level  
Legendre Coefficients

70-Yb-169

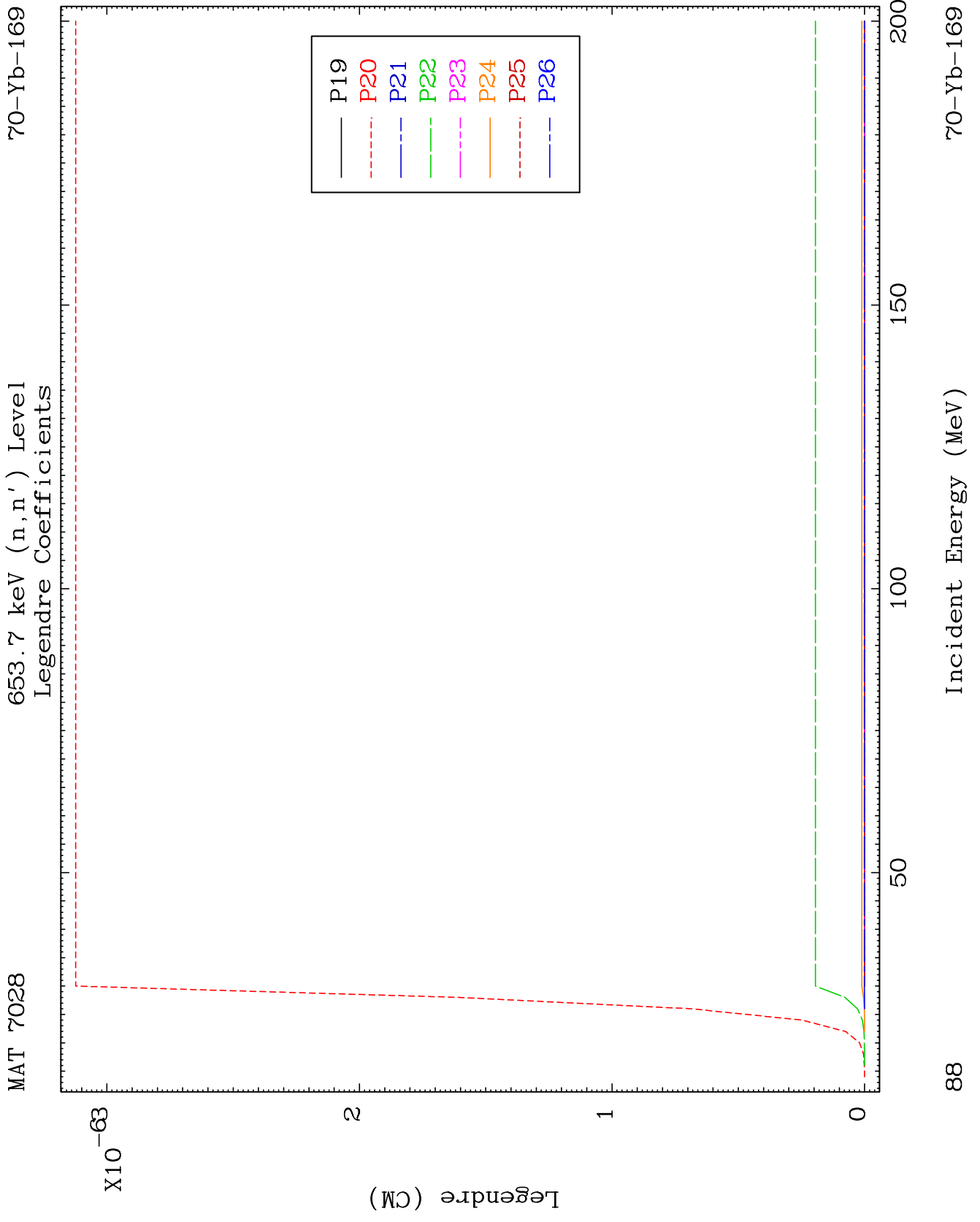


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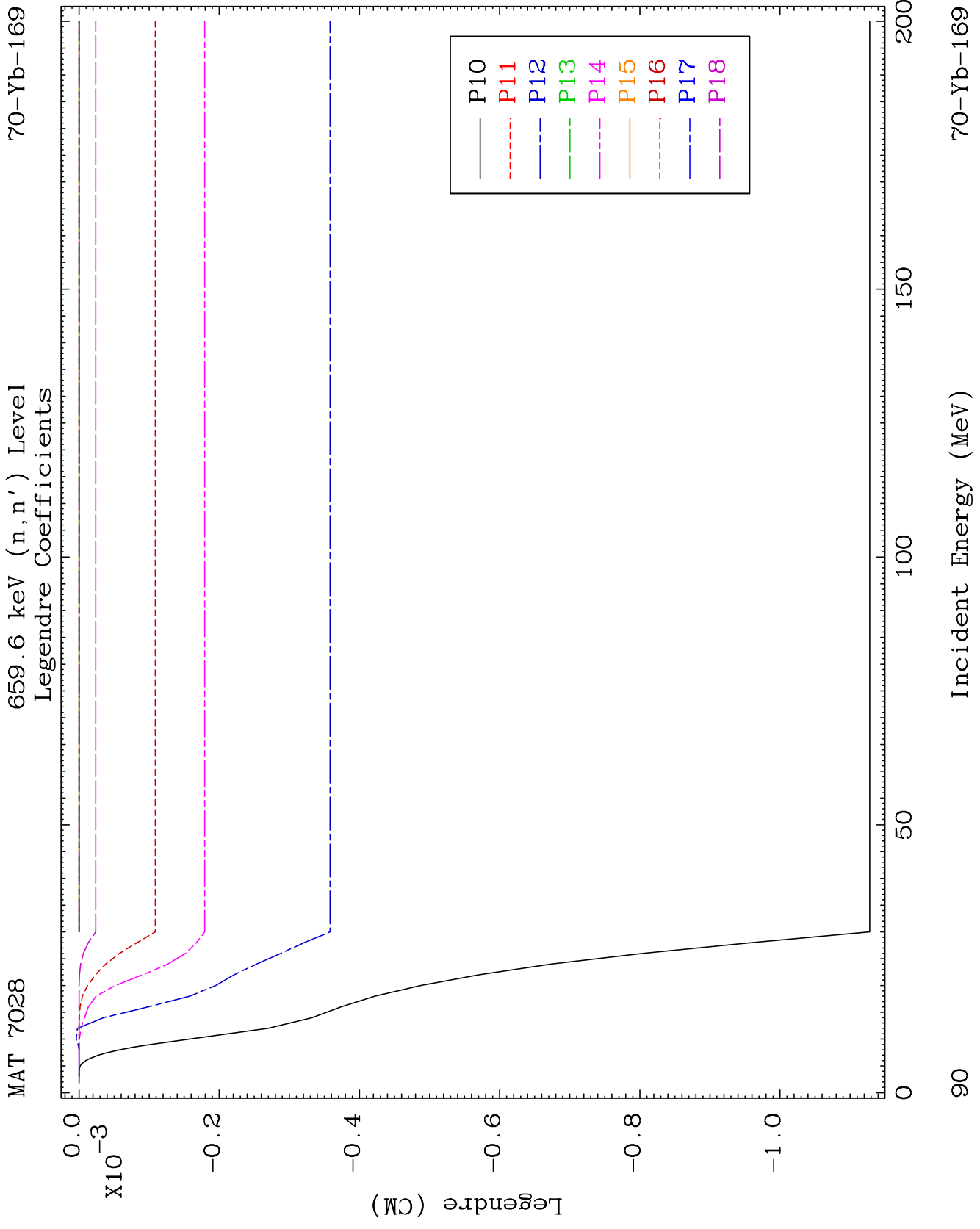
Incident Energy (MeV)

70-Yb-169

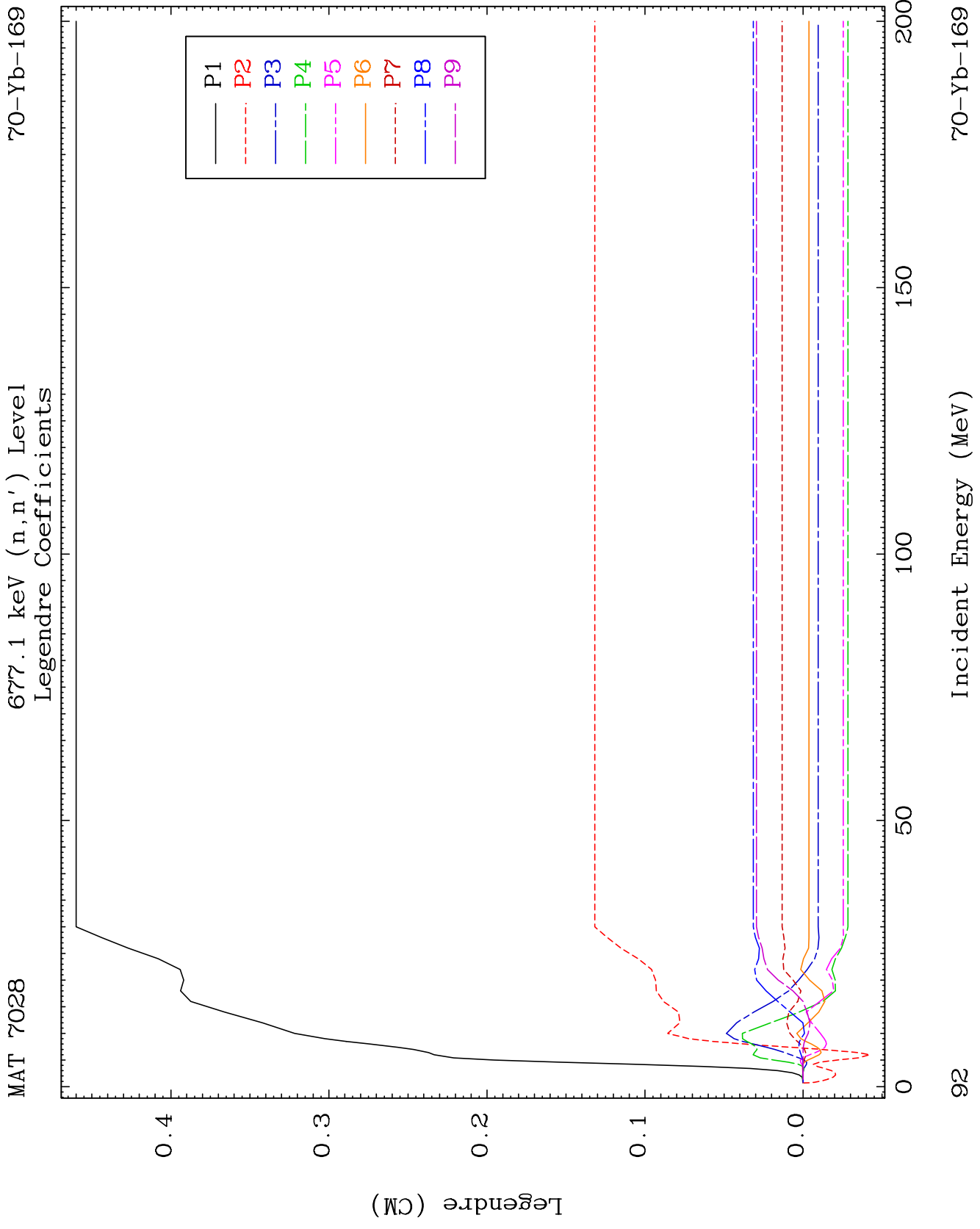








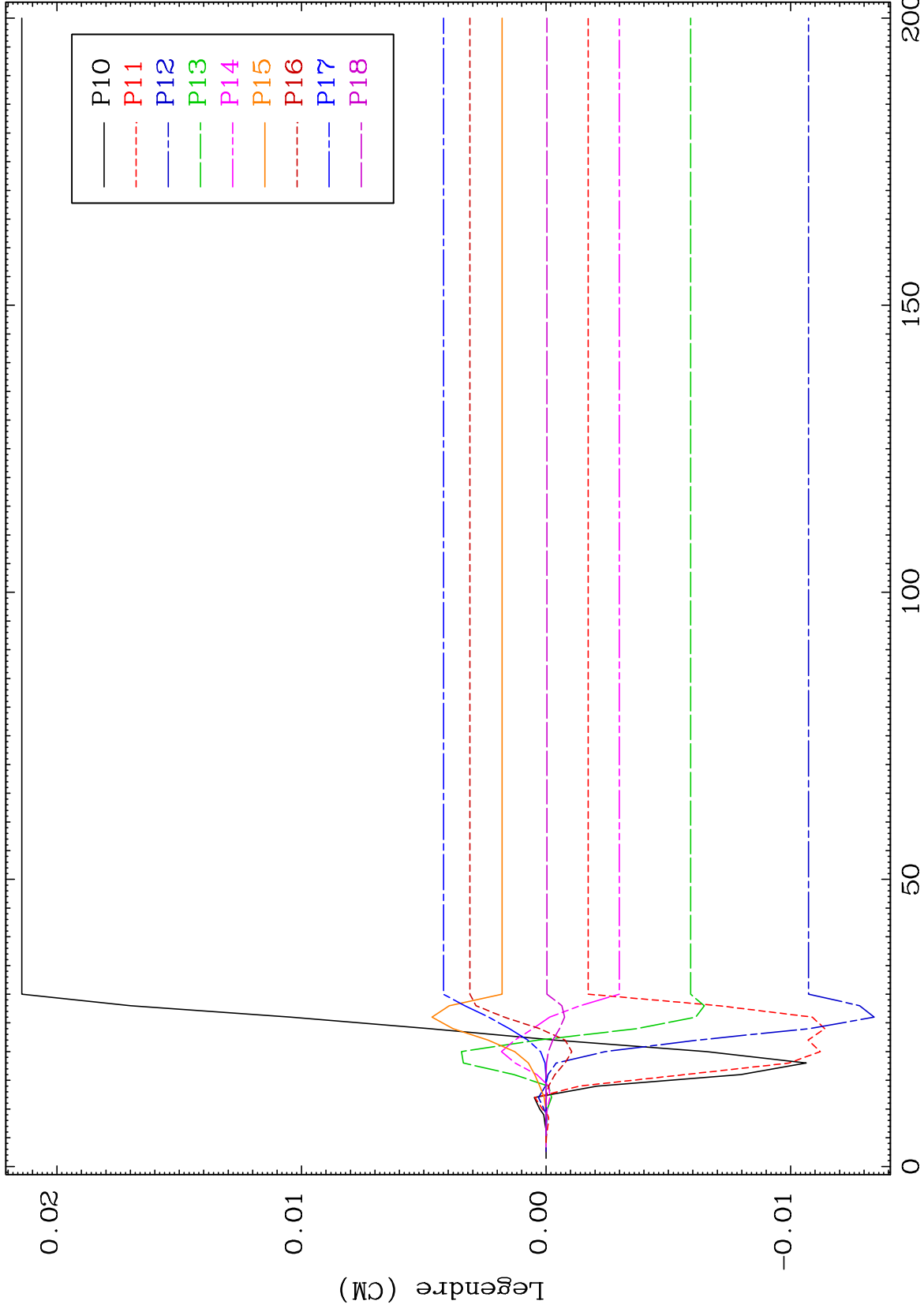




MAT 7028

6777.1 keV (n,n') Level  
Legendre Coefficients

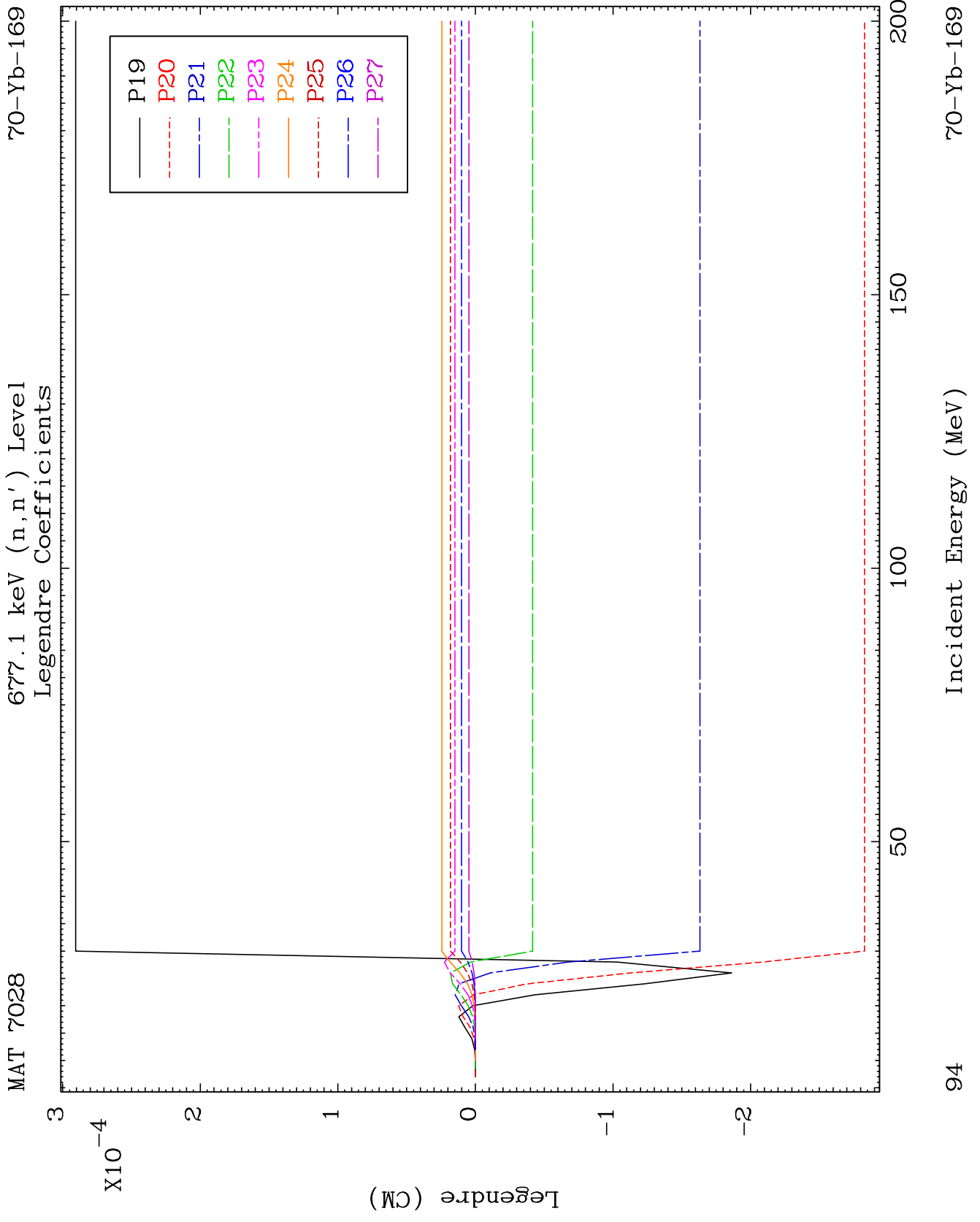
70-Yb-169

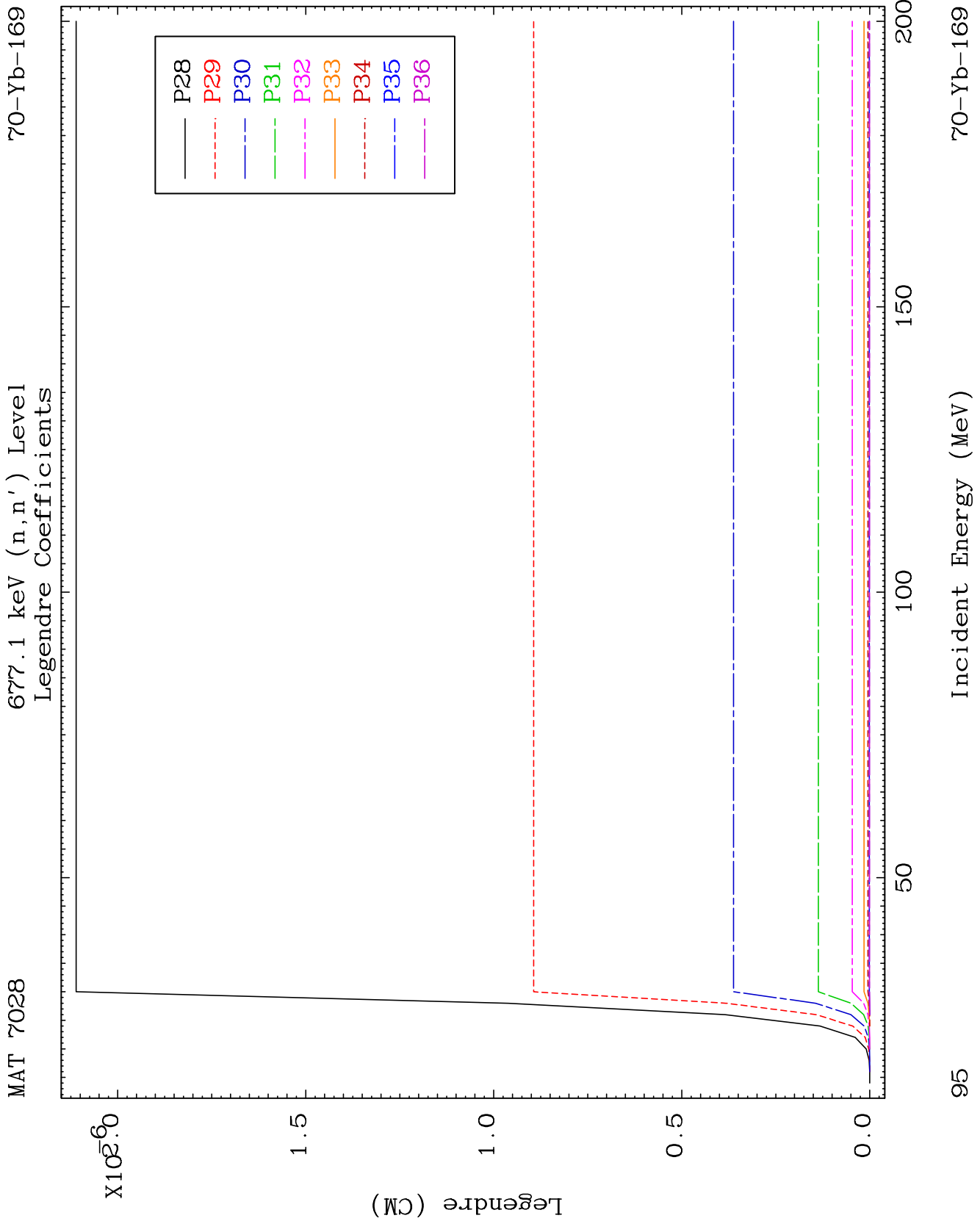


93

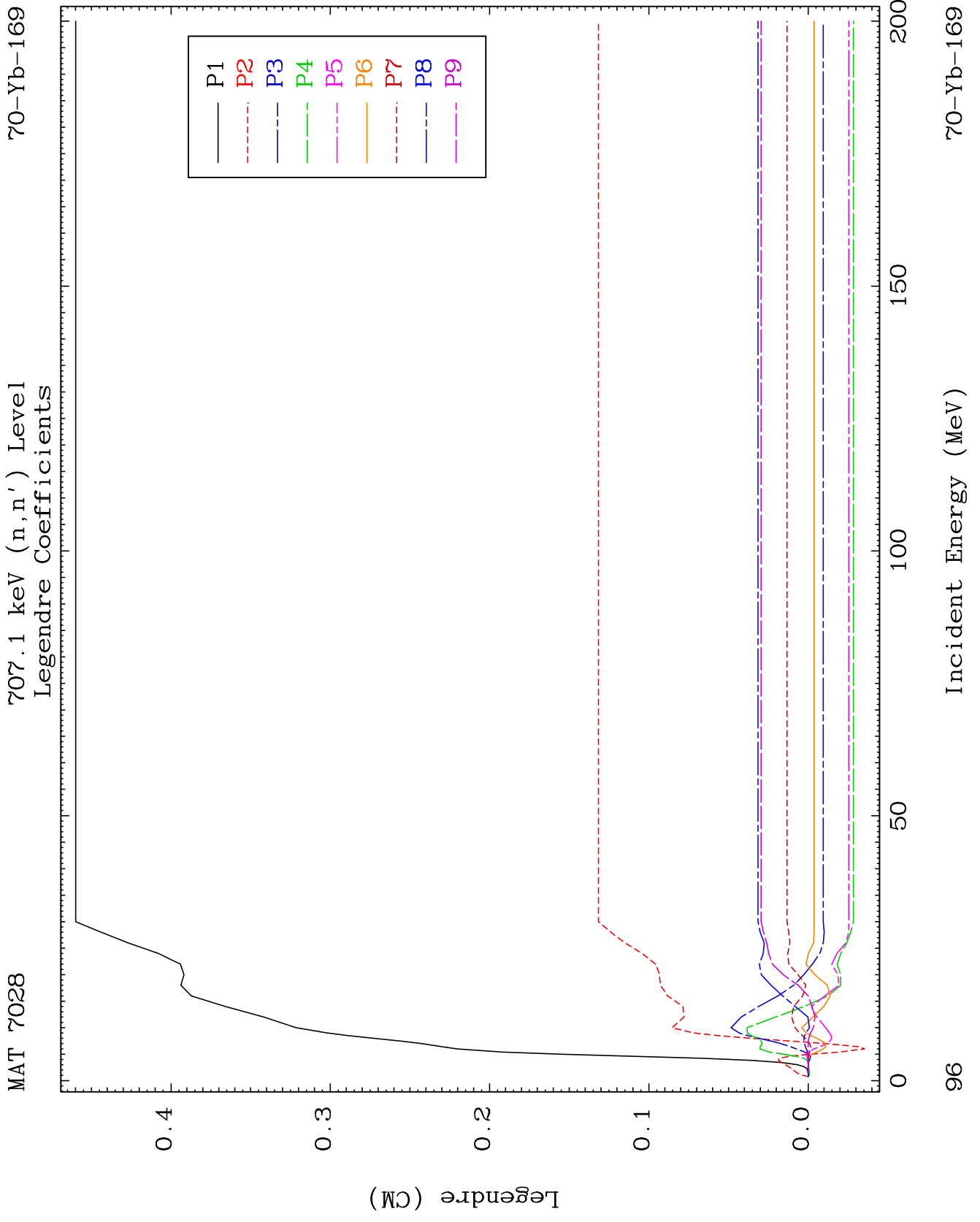
Incident Energy (MeV)

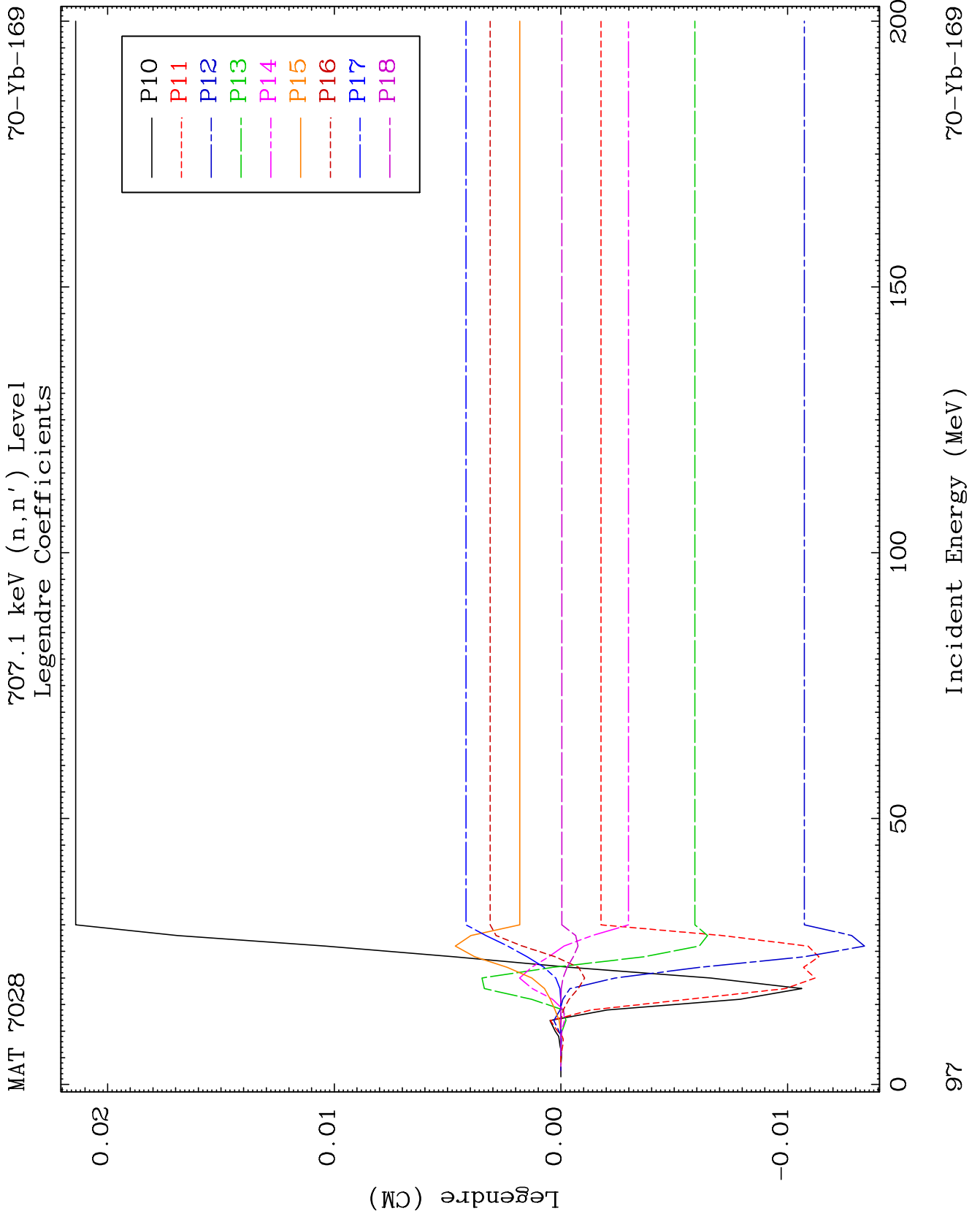
70-Yb-169

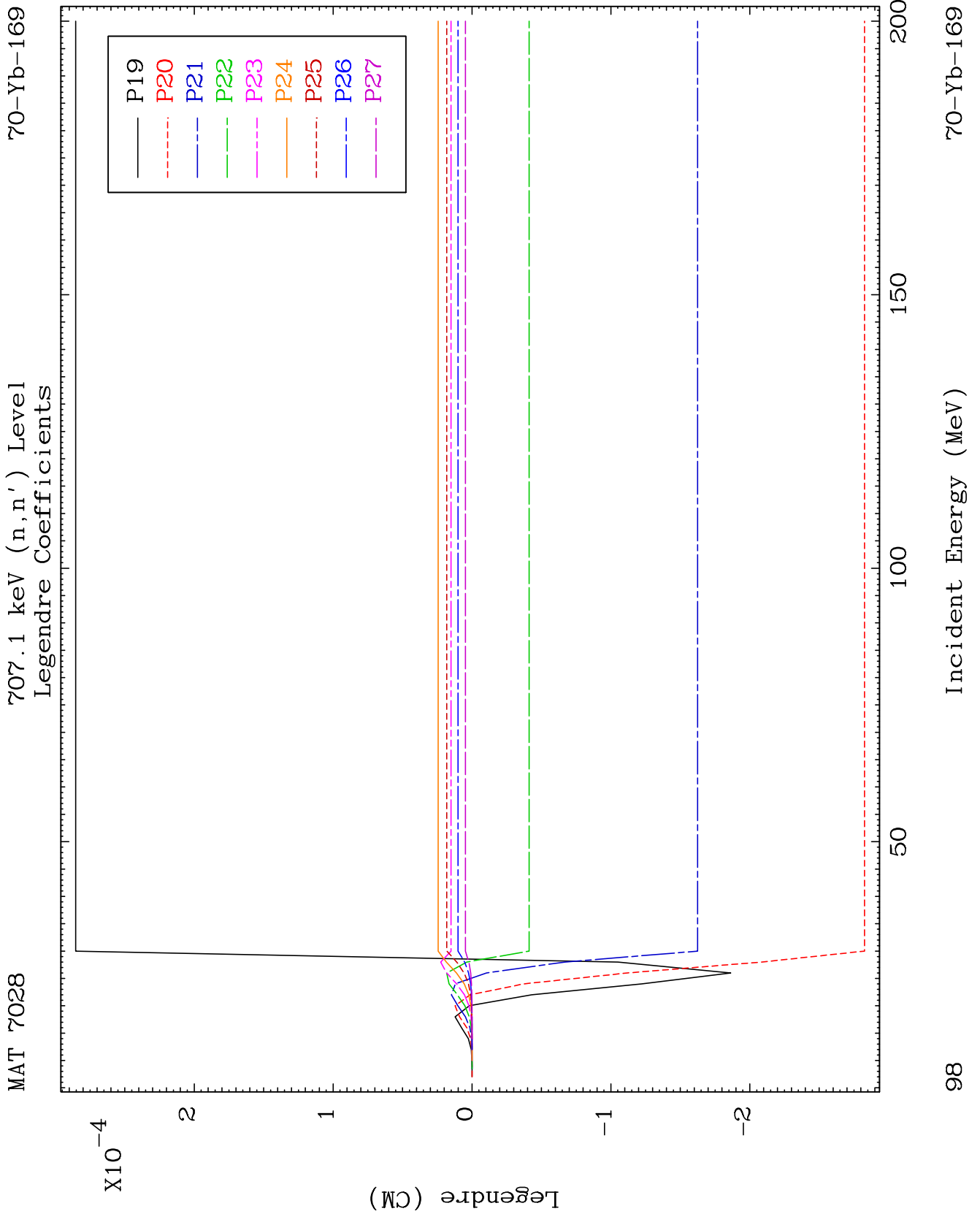


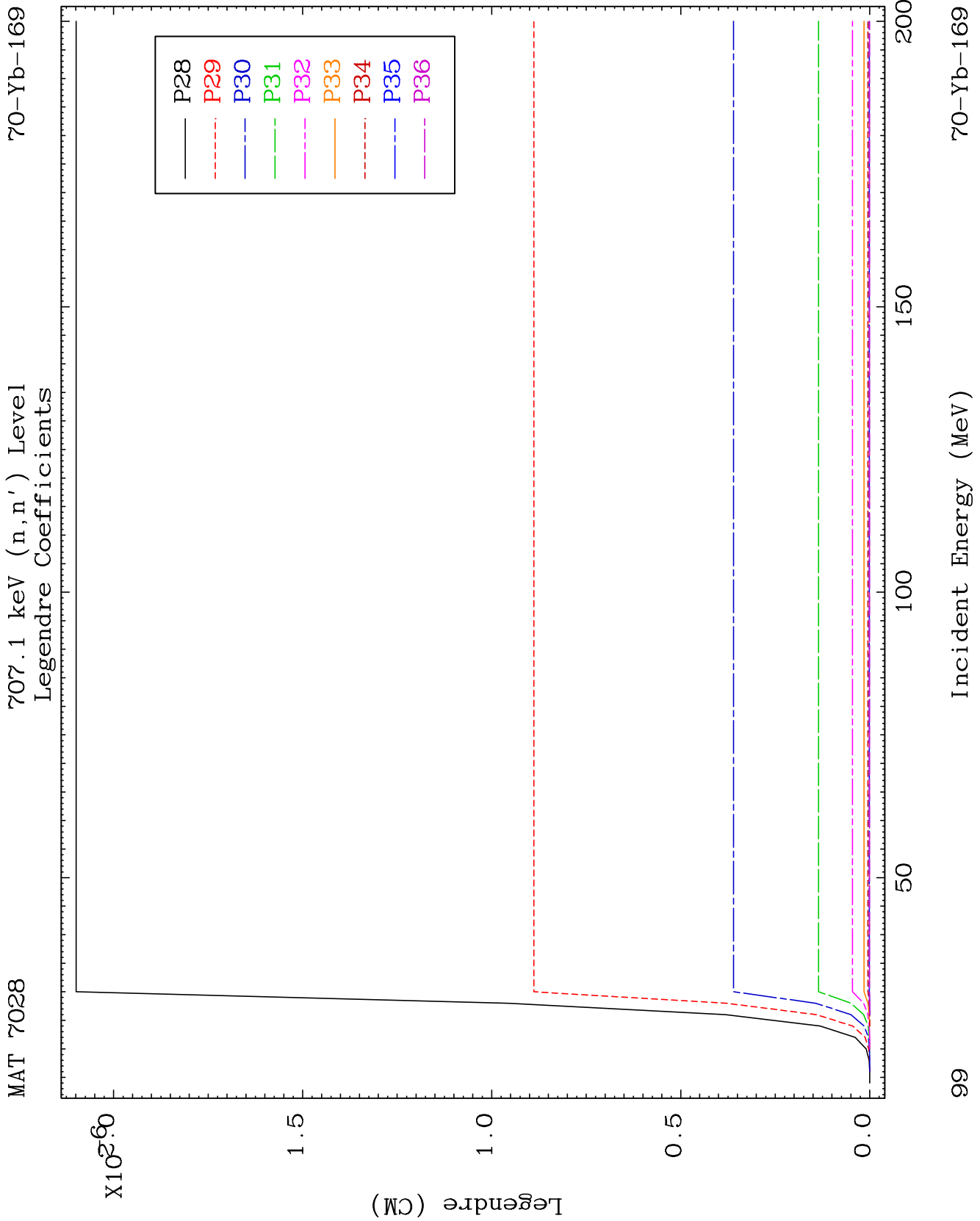


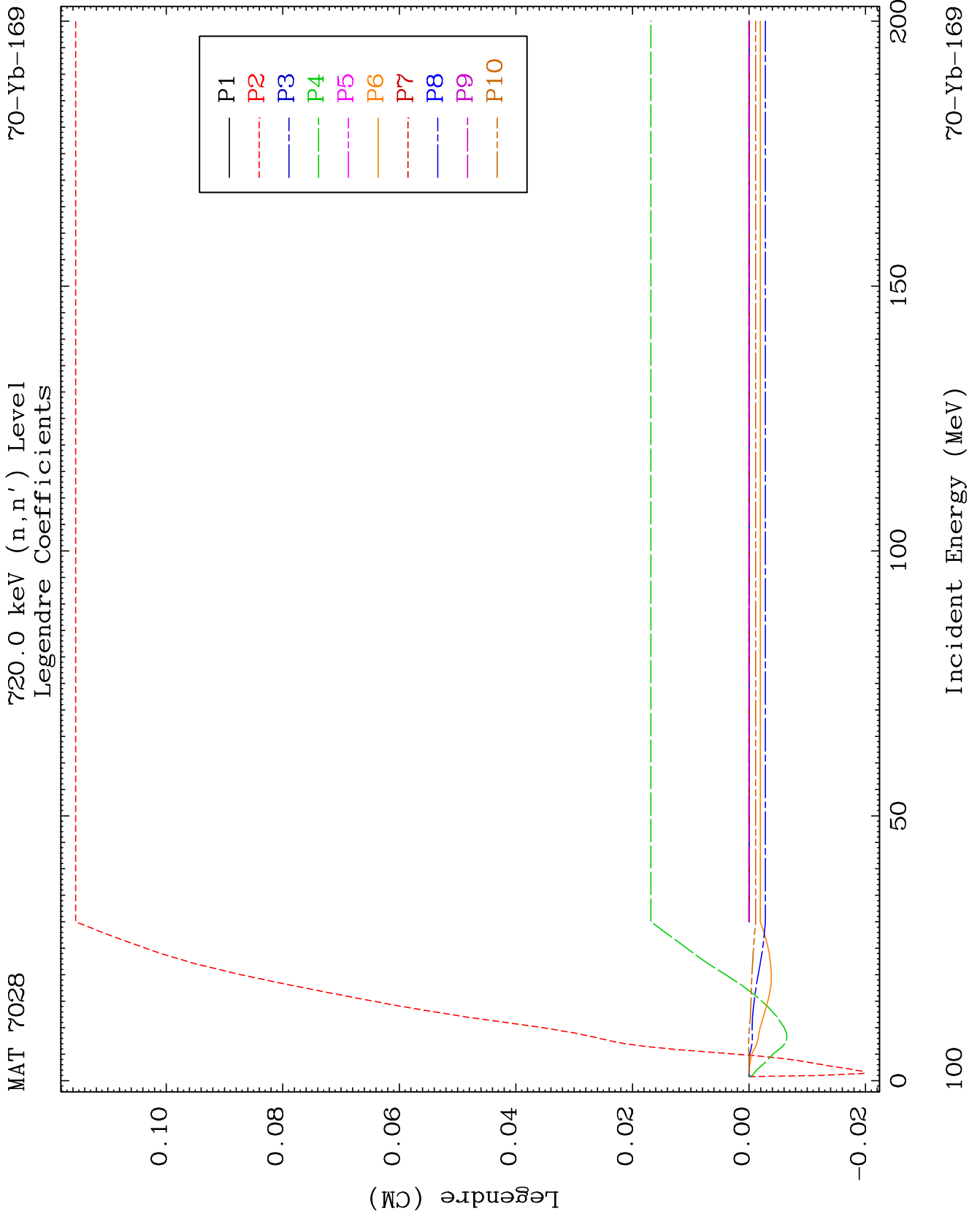


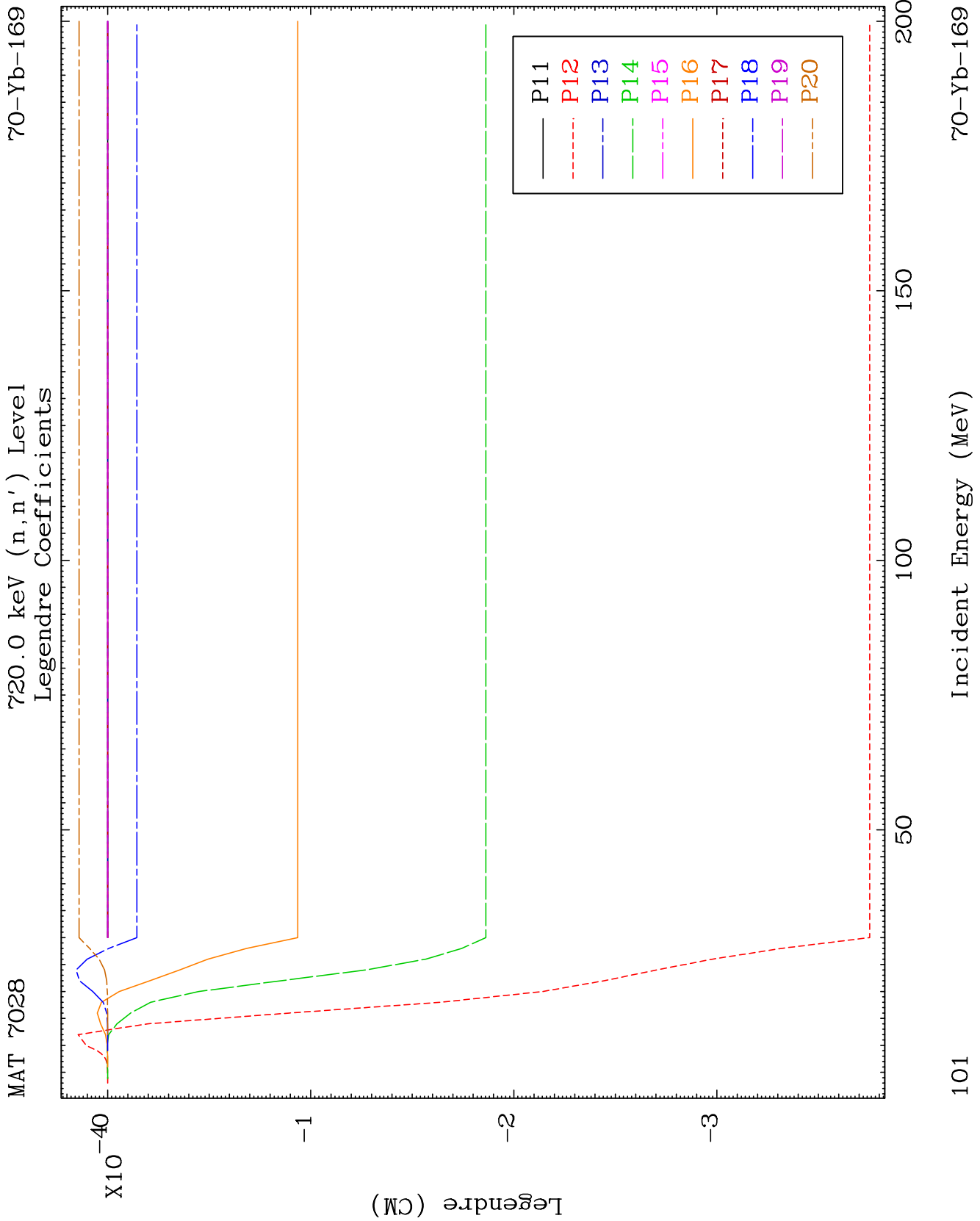


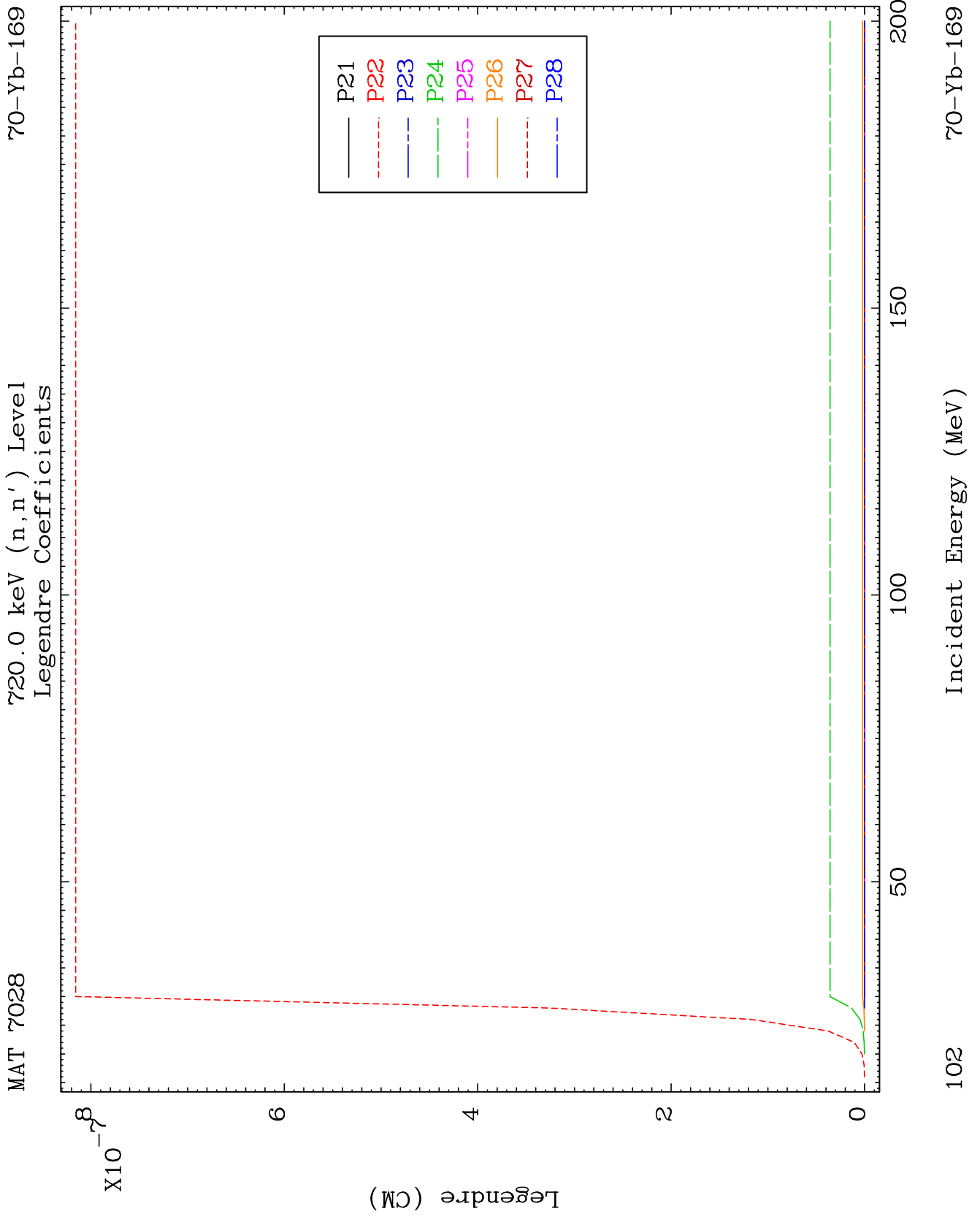


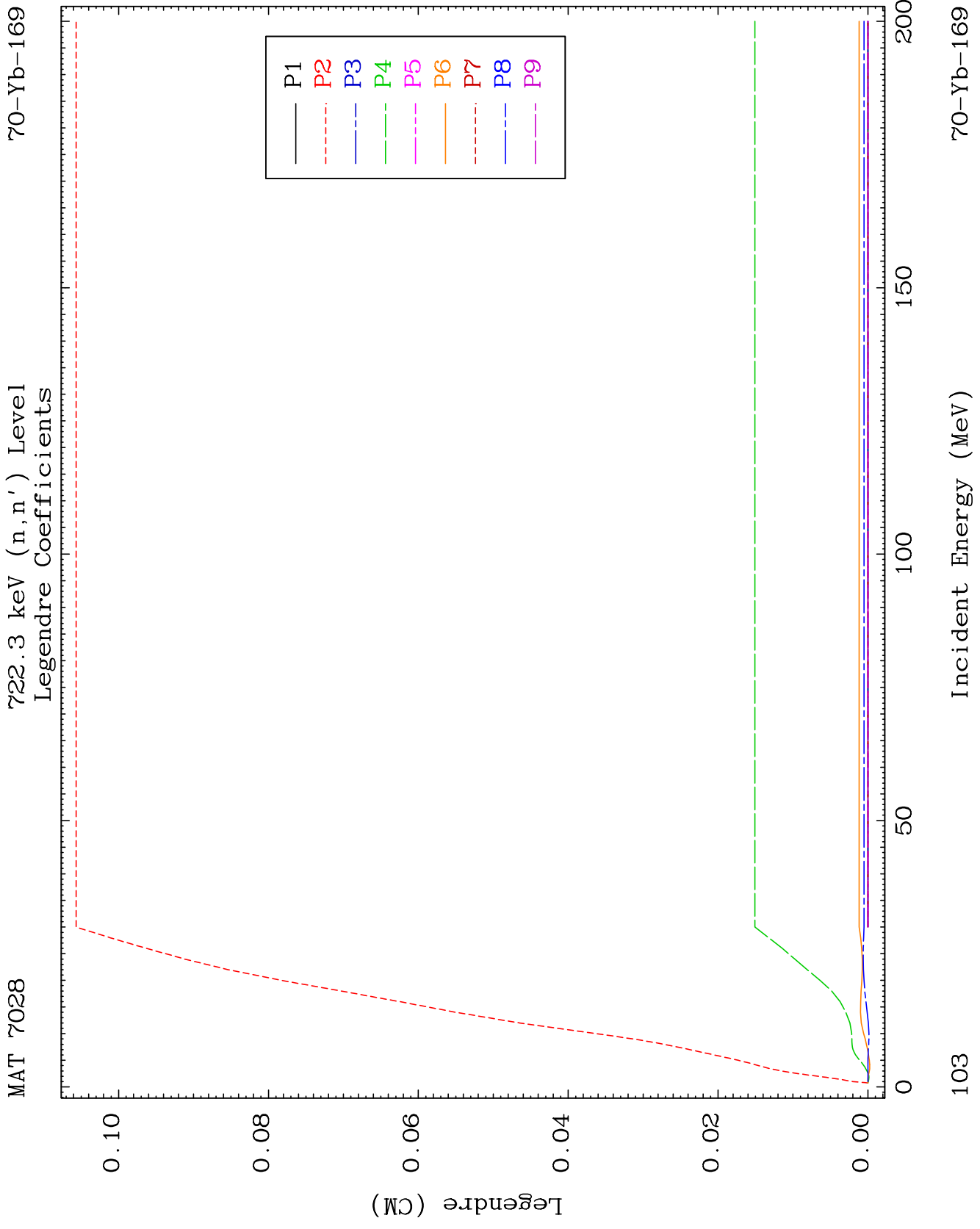




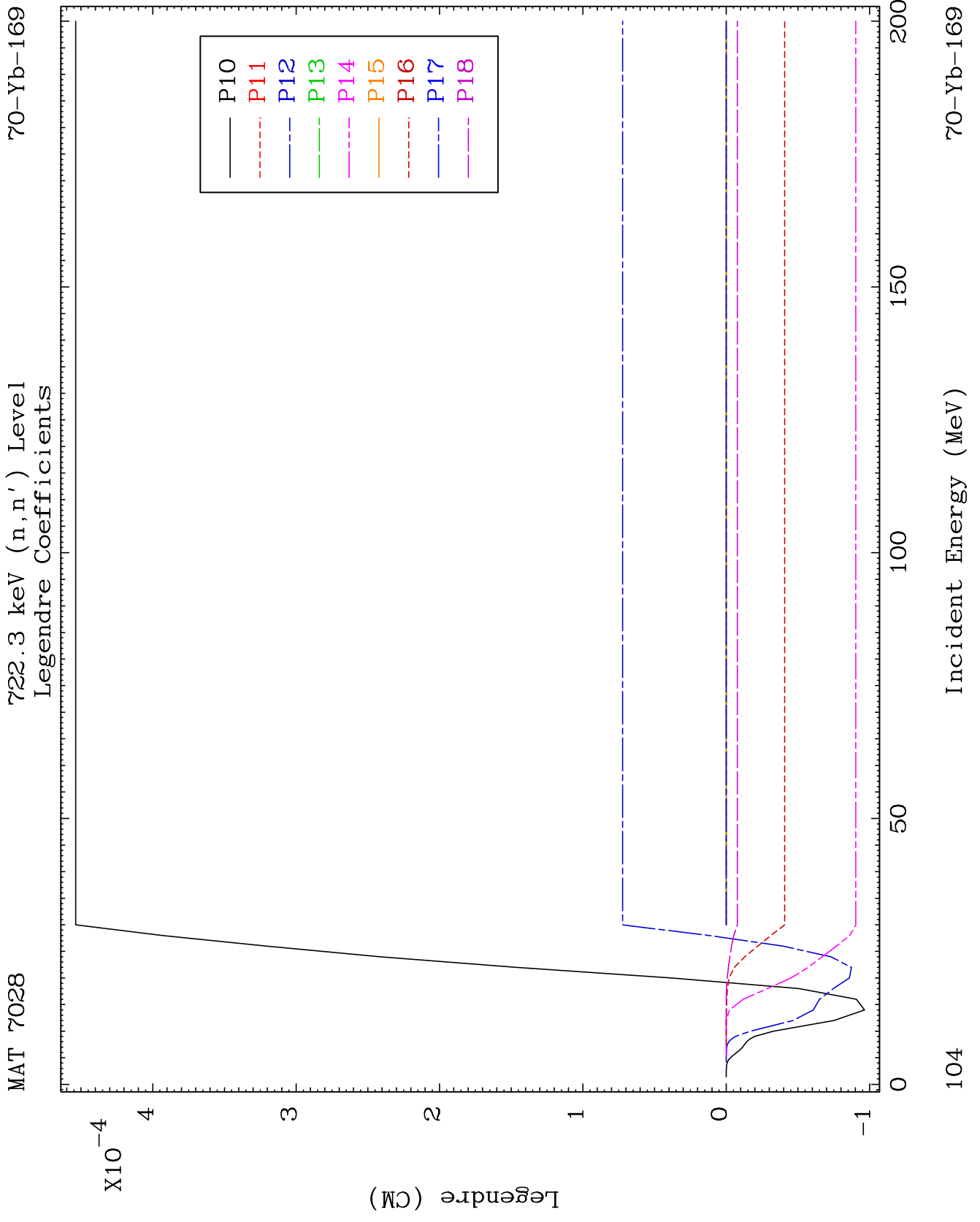


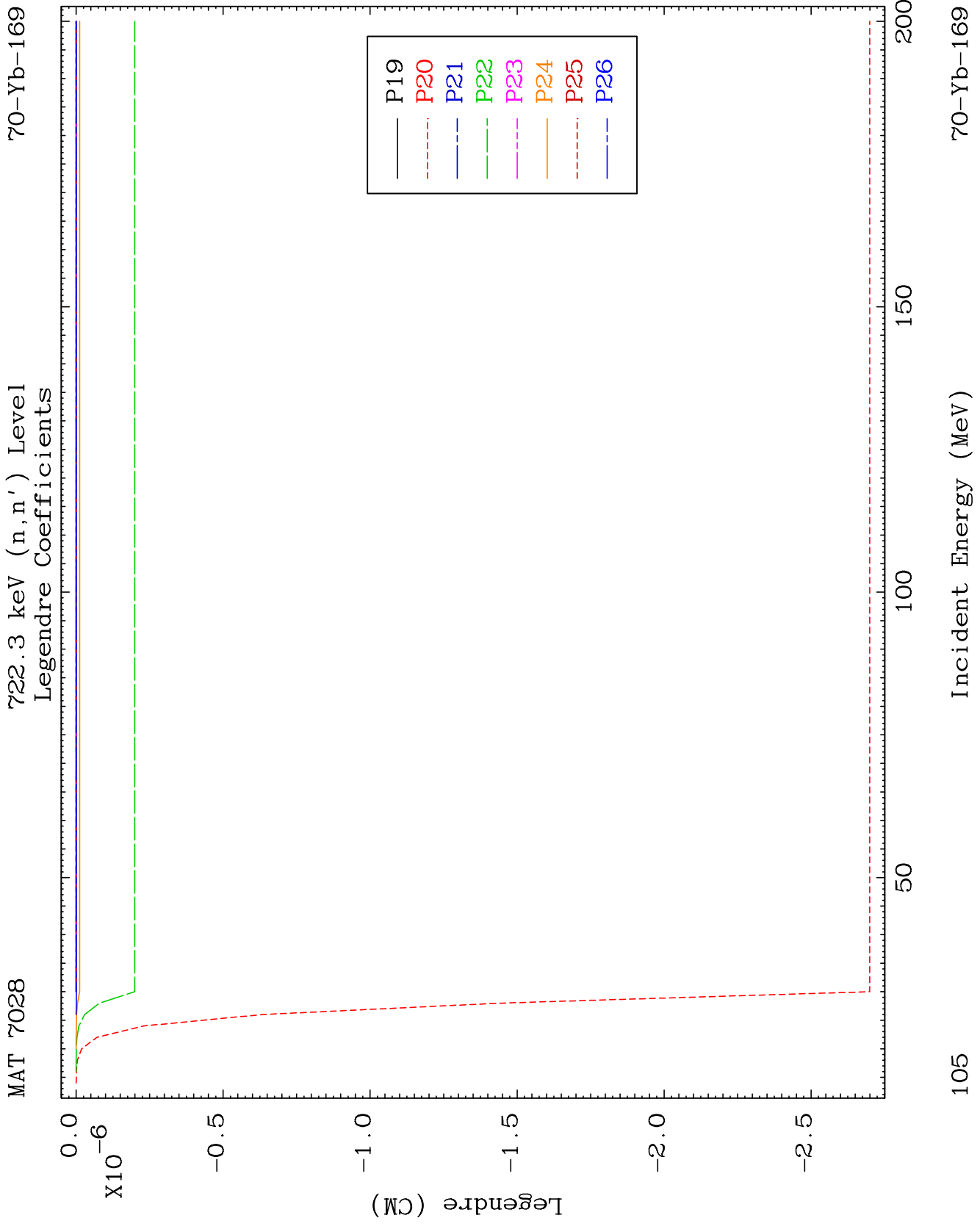


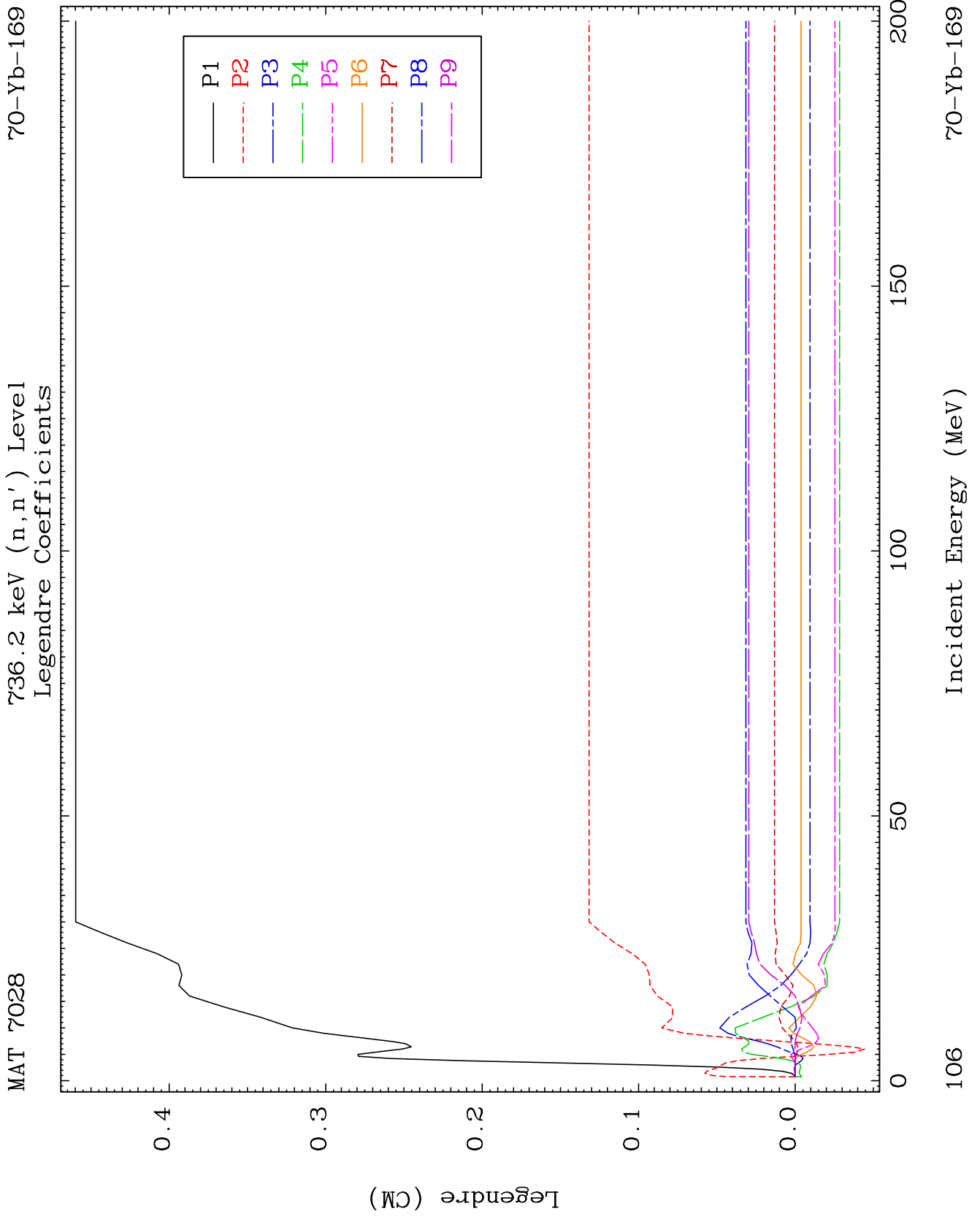


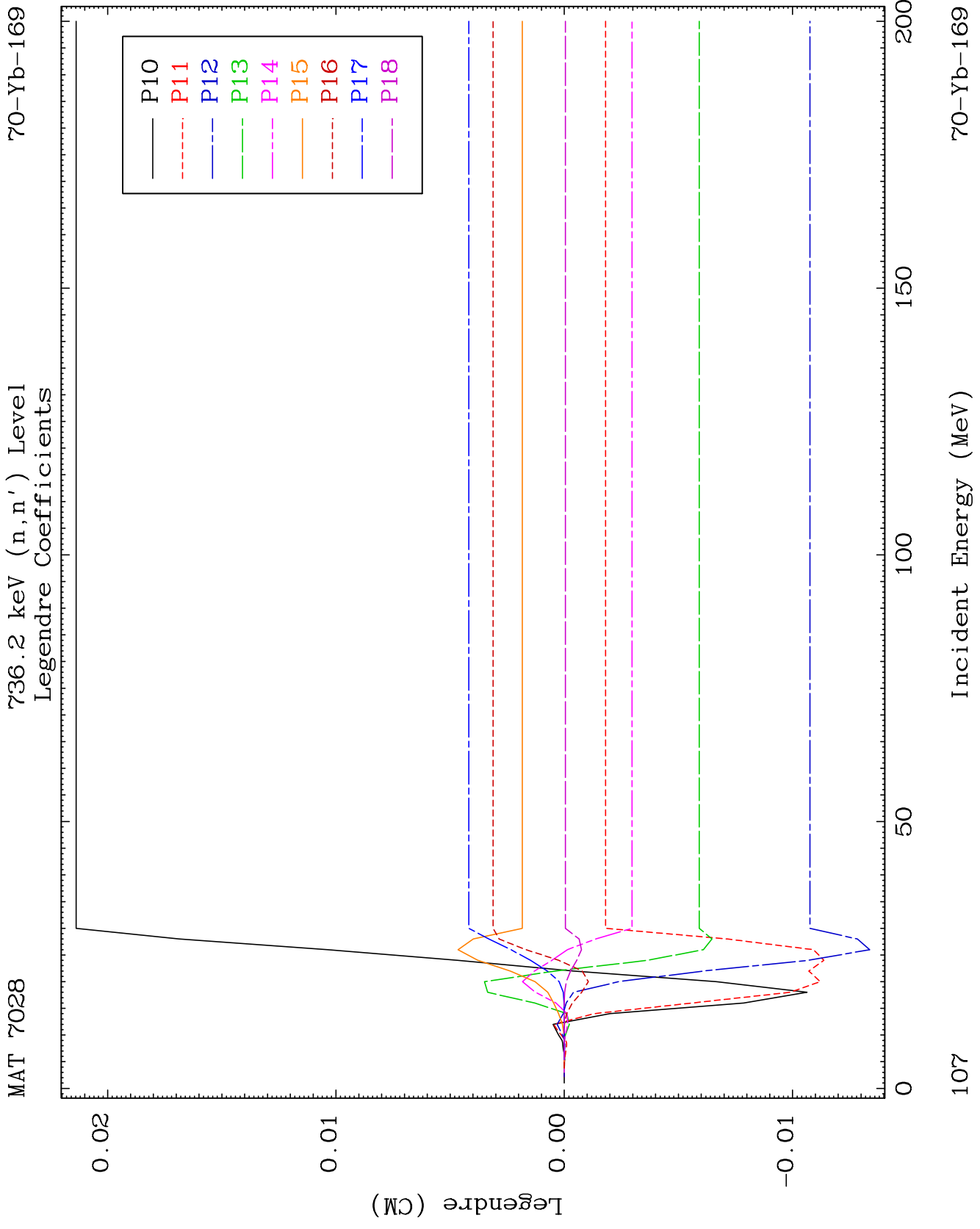








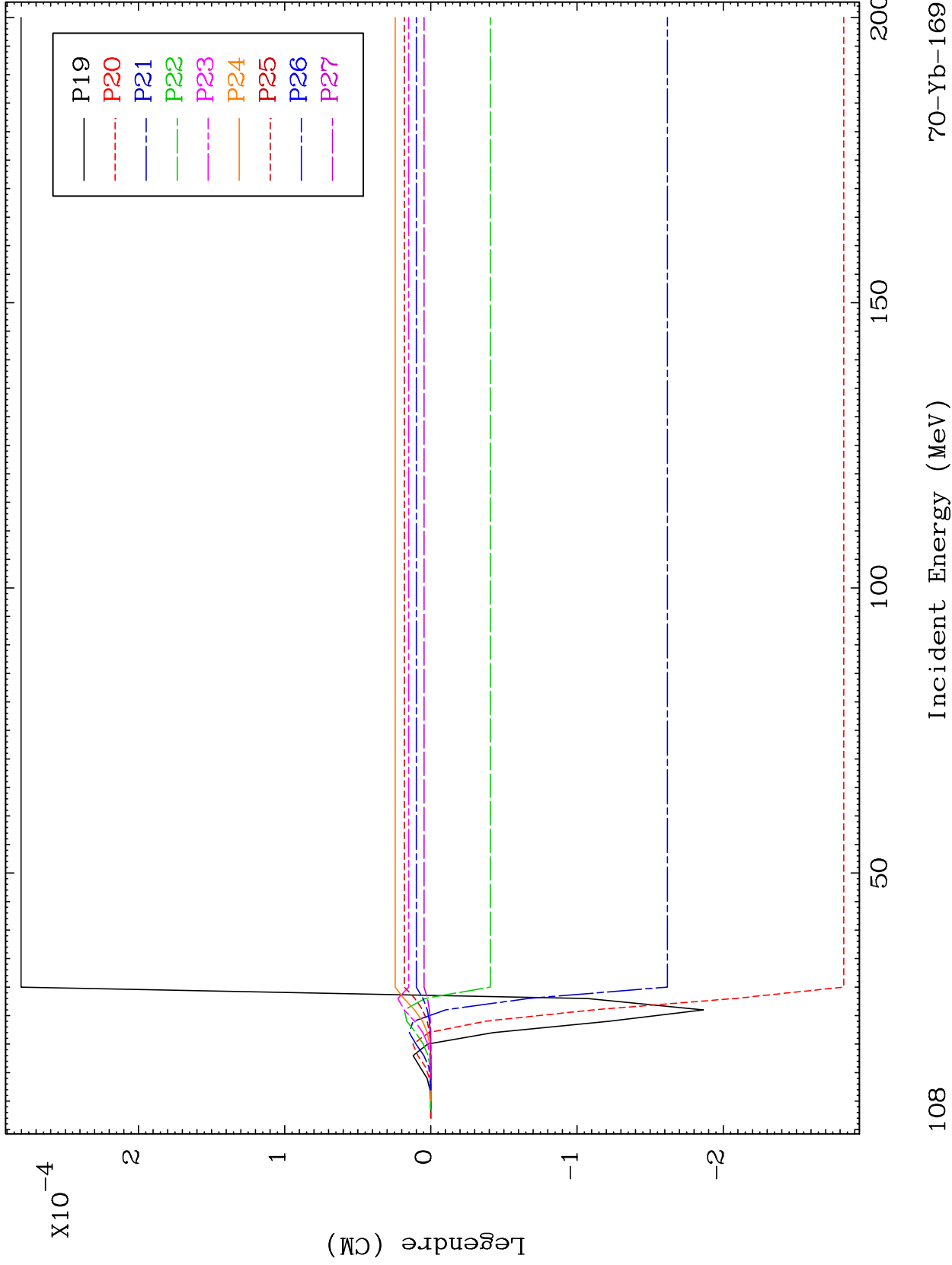




MAT 7028

736.2 keV (n,n') Level  
Legendre Coefficients

70-Yb-169

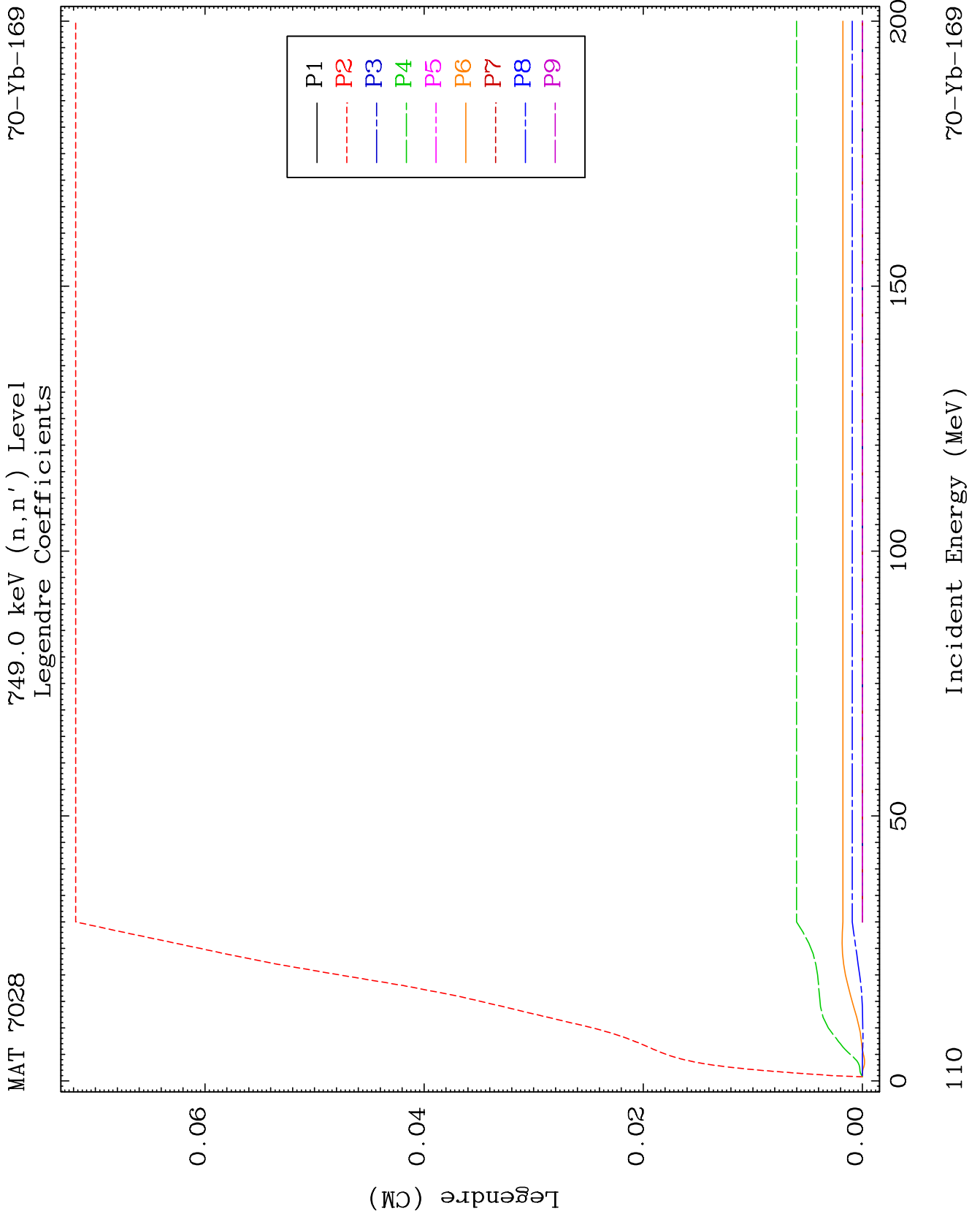


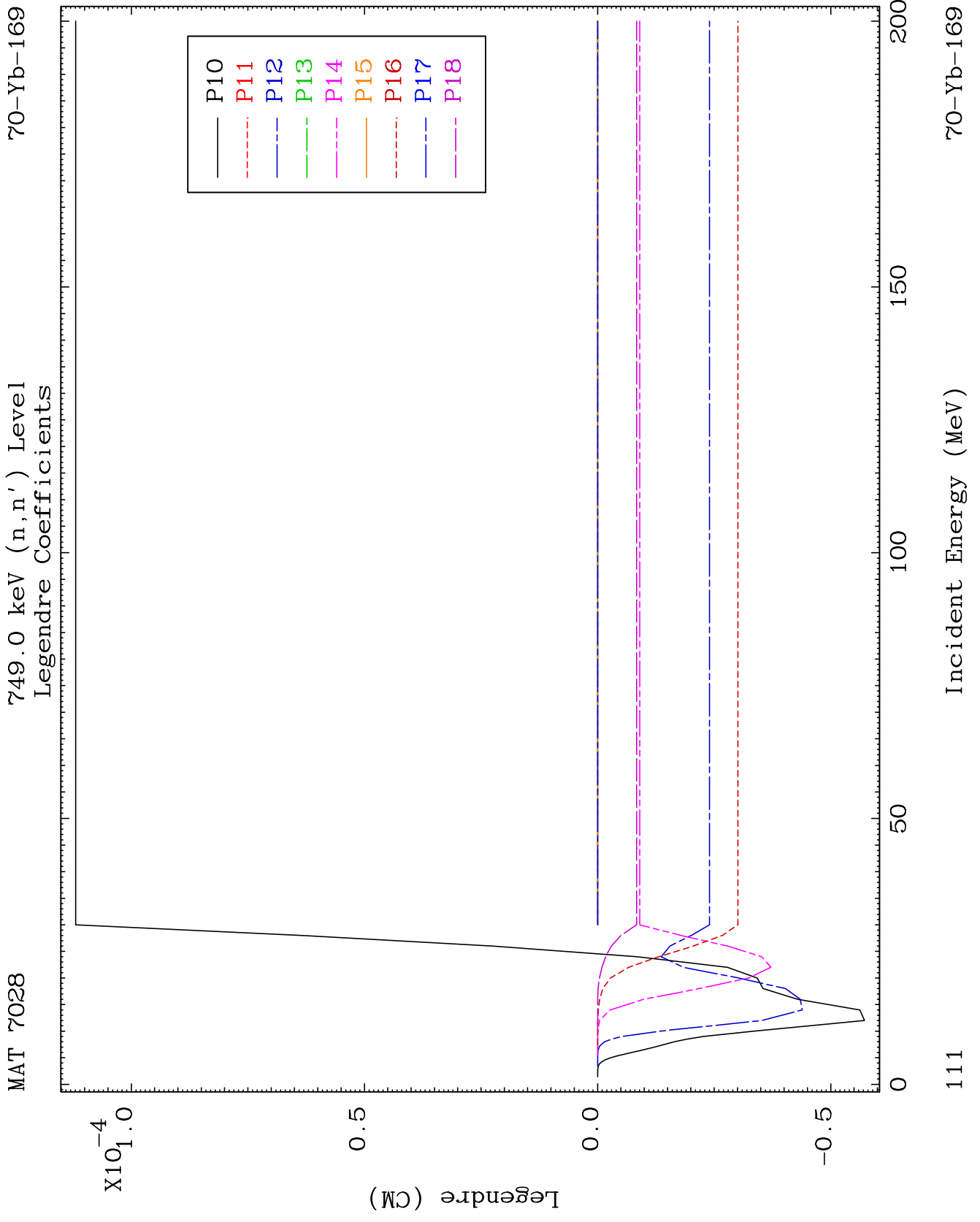
108

Incident Energy (MeV)

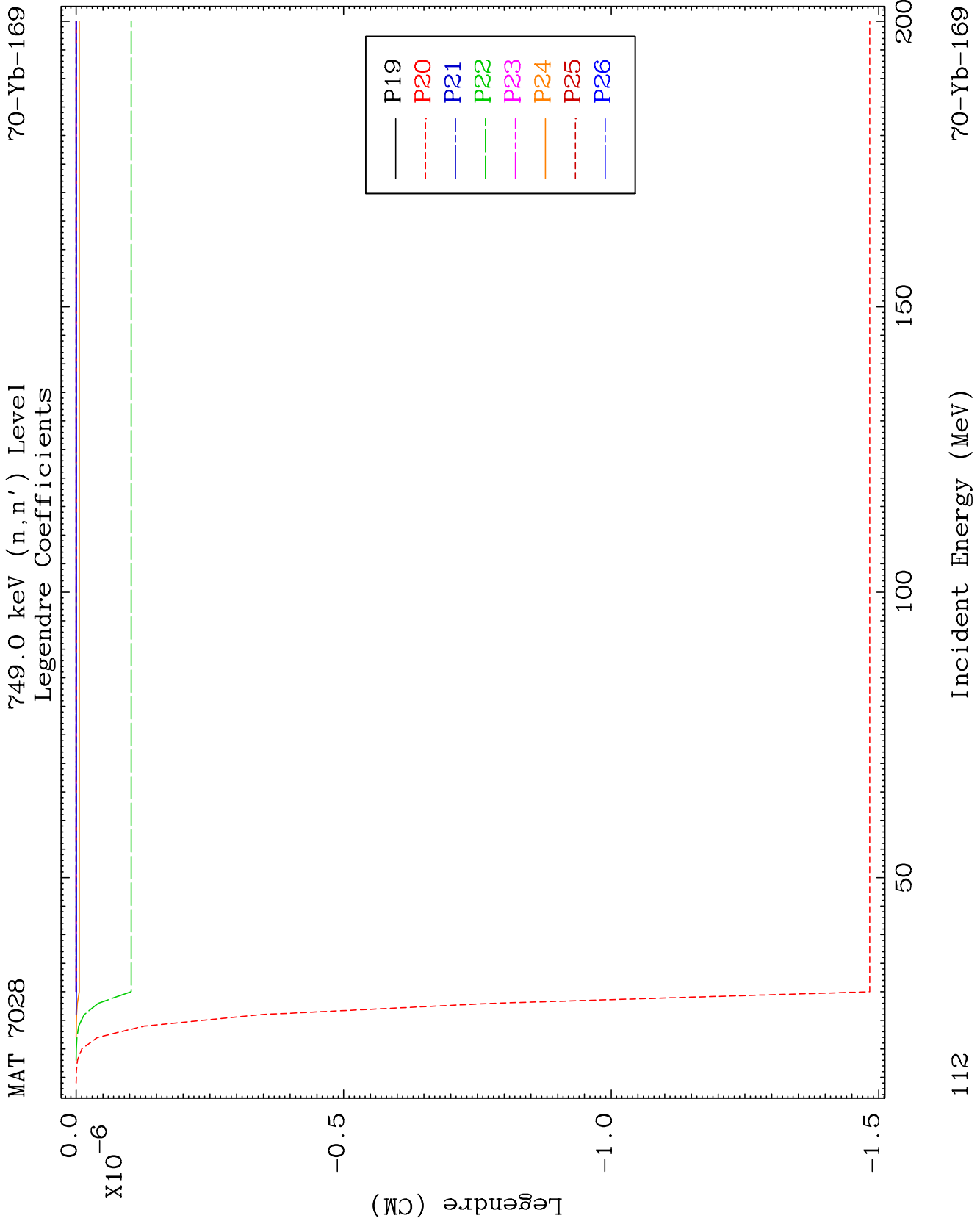
70-Yb-169

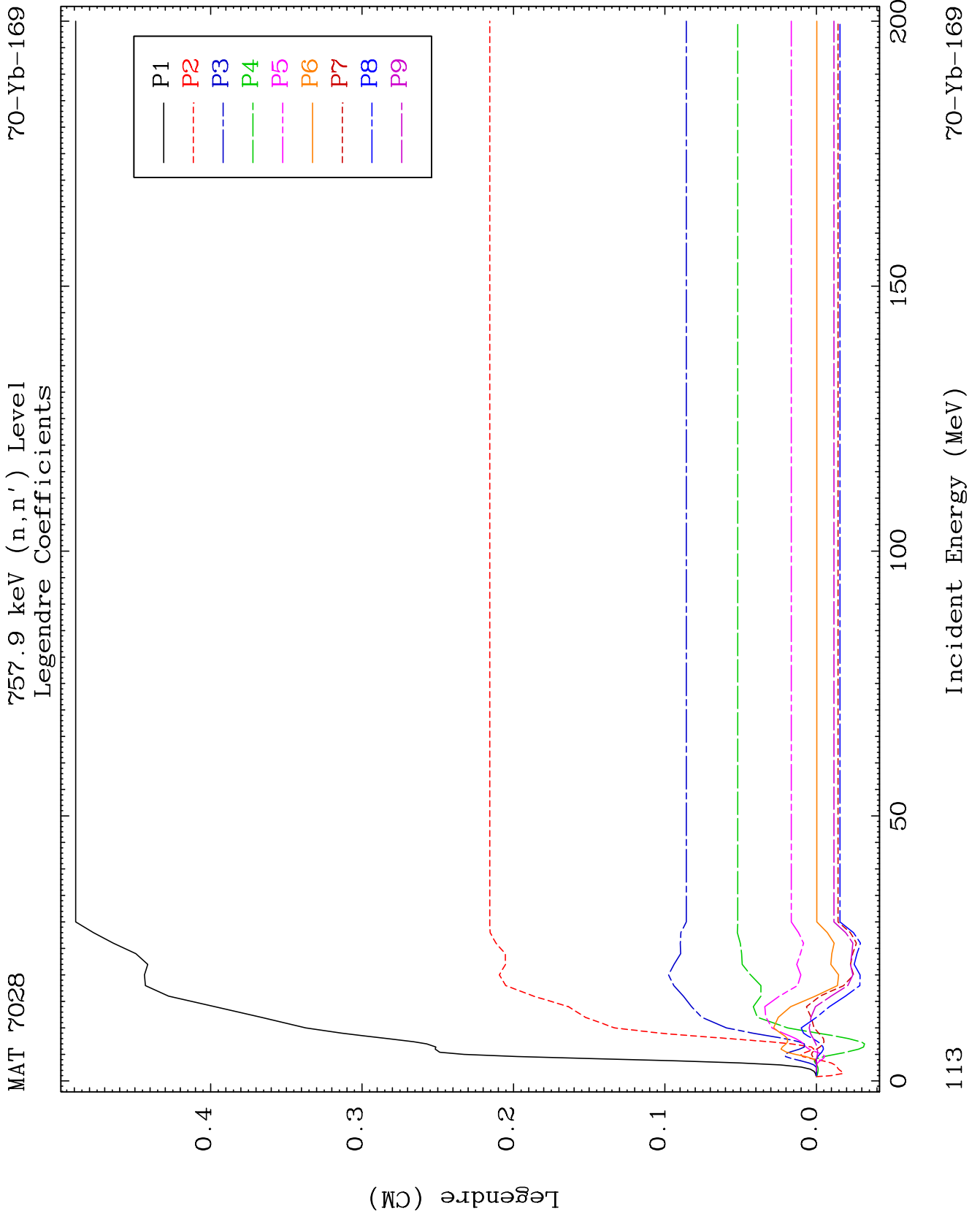








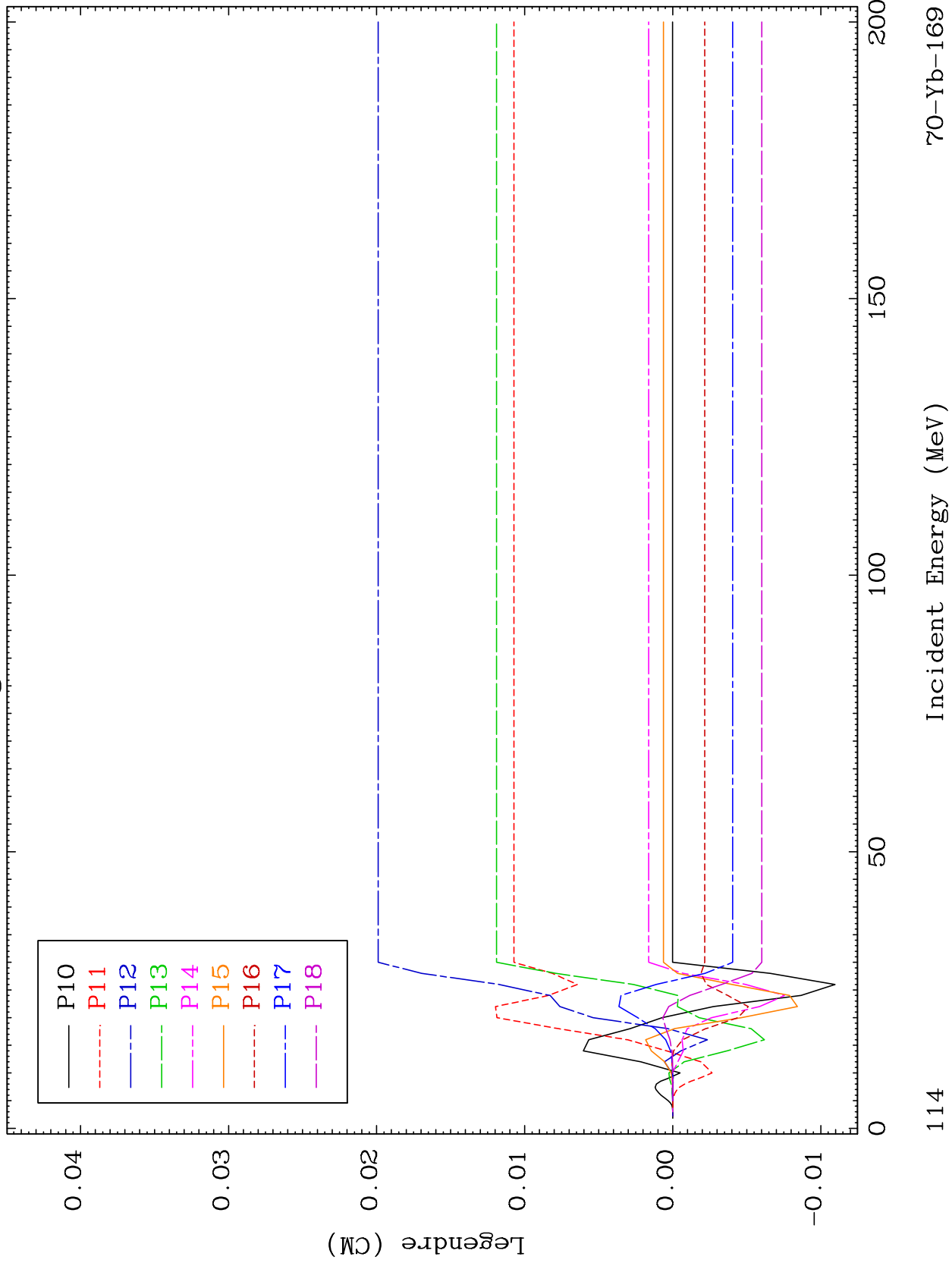




MAT 7028

757.9 keV (n,n') Level  
Legendre Coefficients

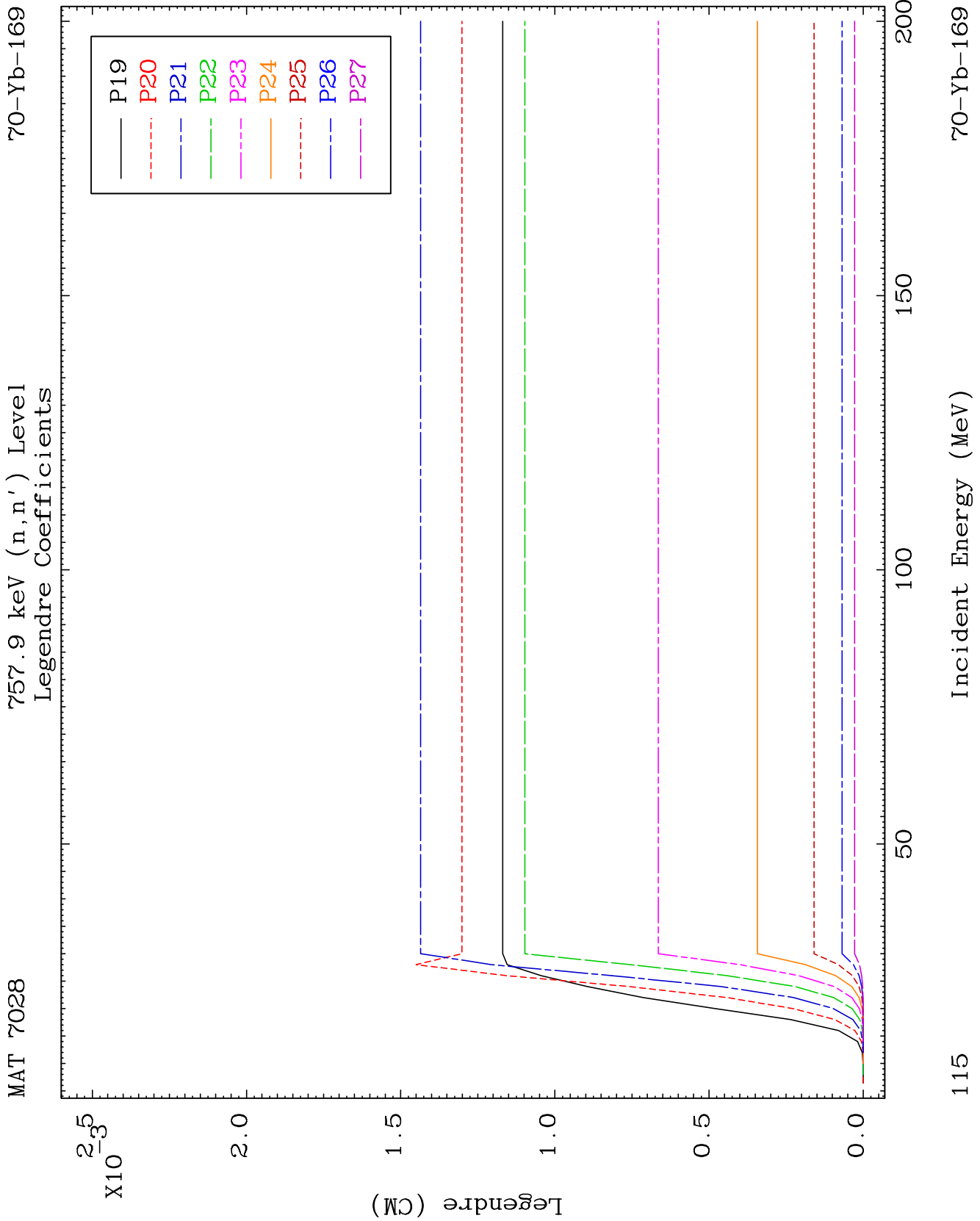
70-Yb-169

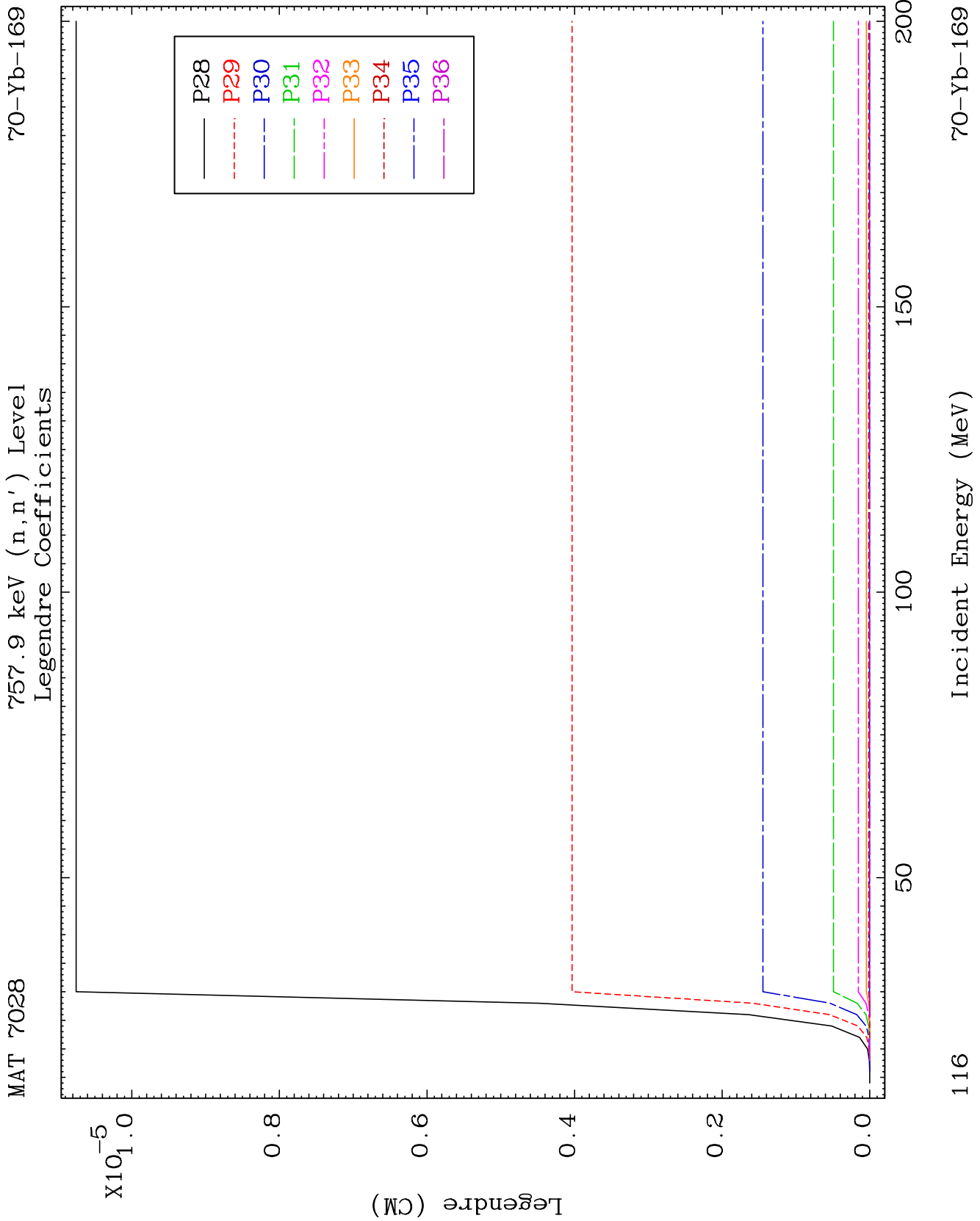


114

Incident Energy (MeV)

70-Yb-169



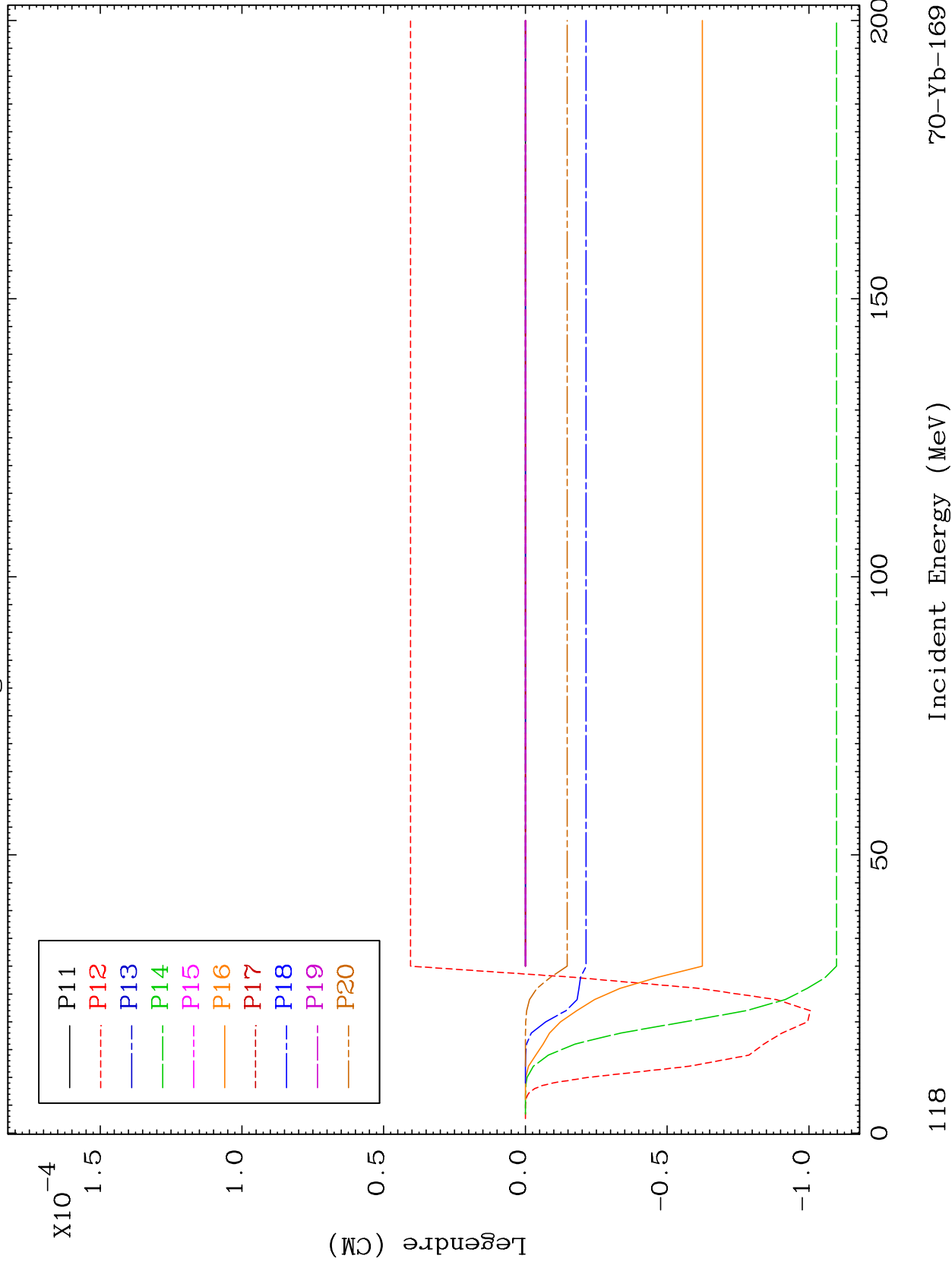


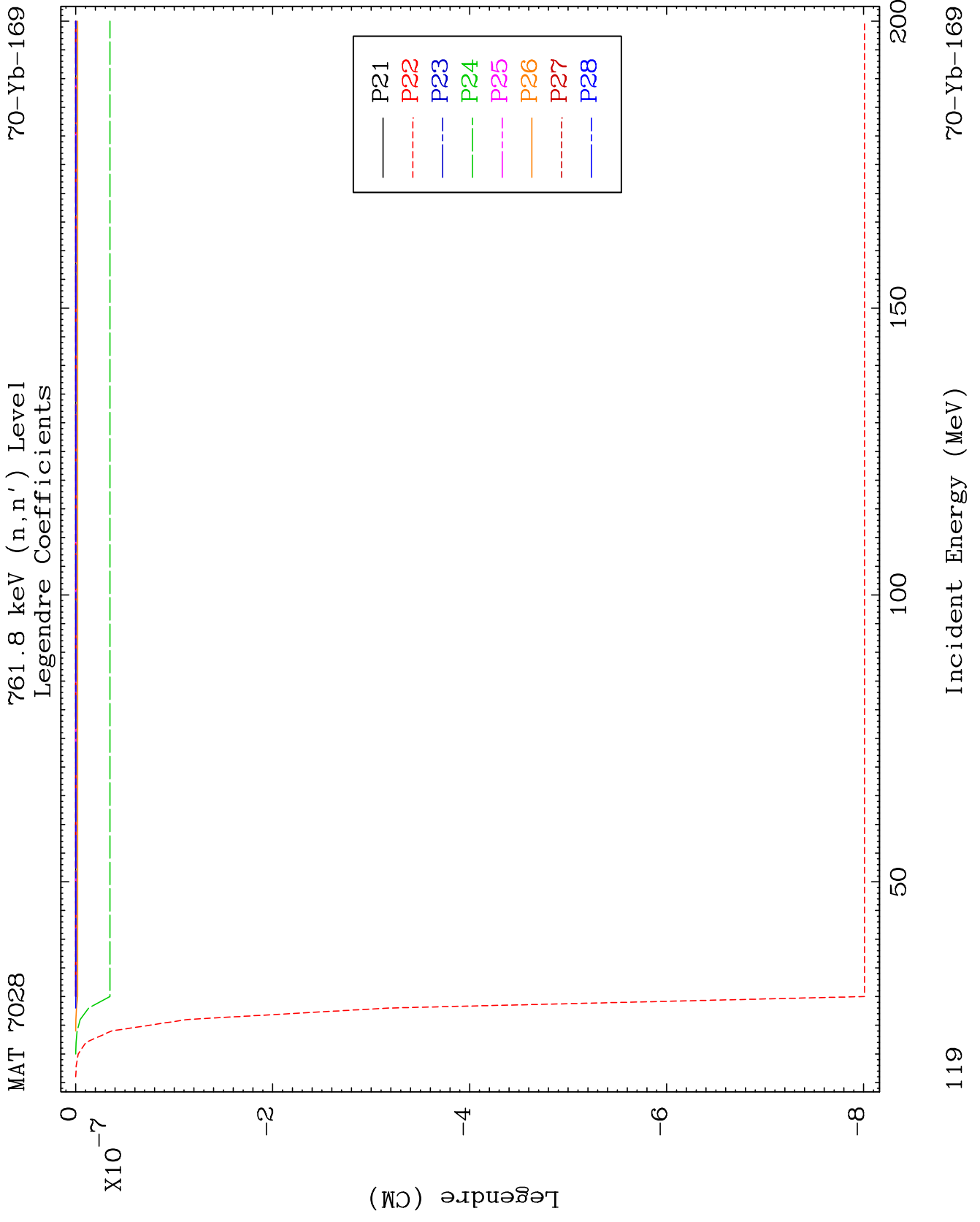


MAT 7028

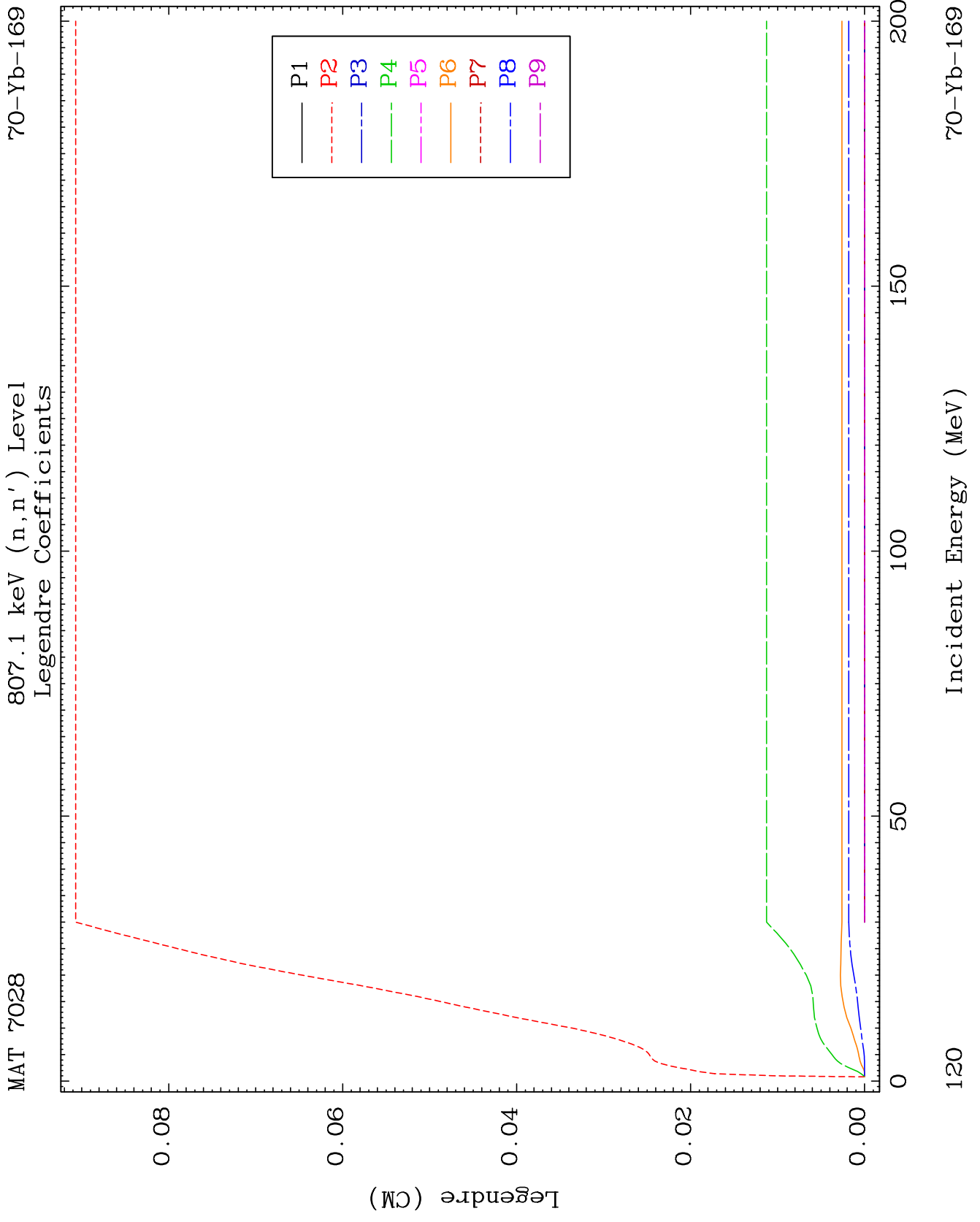
761.8 keV (n,n') Level  
Legendre Coefficients

70-Yb-169





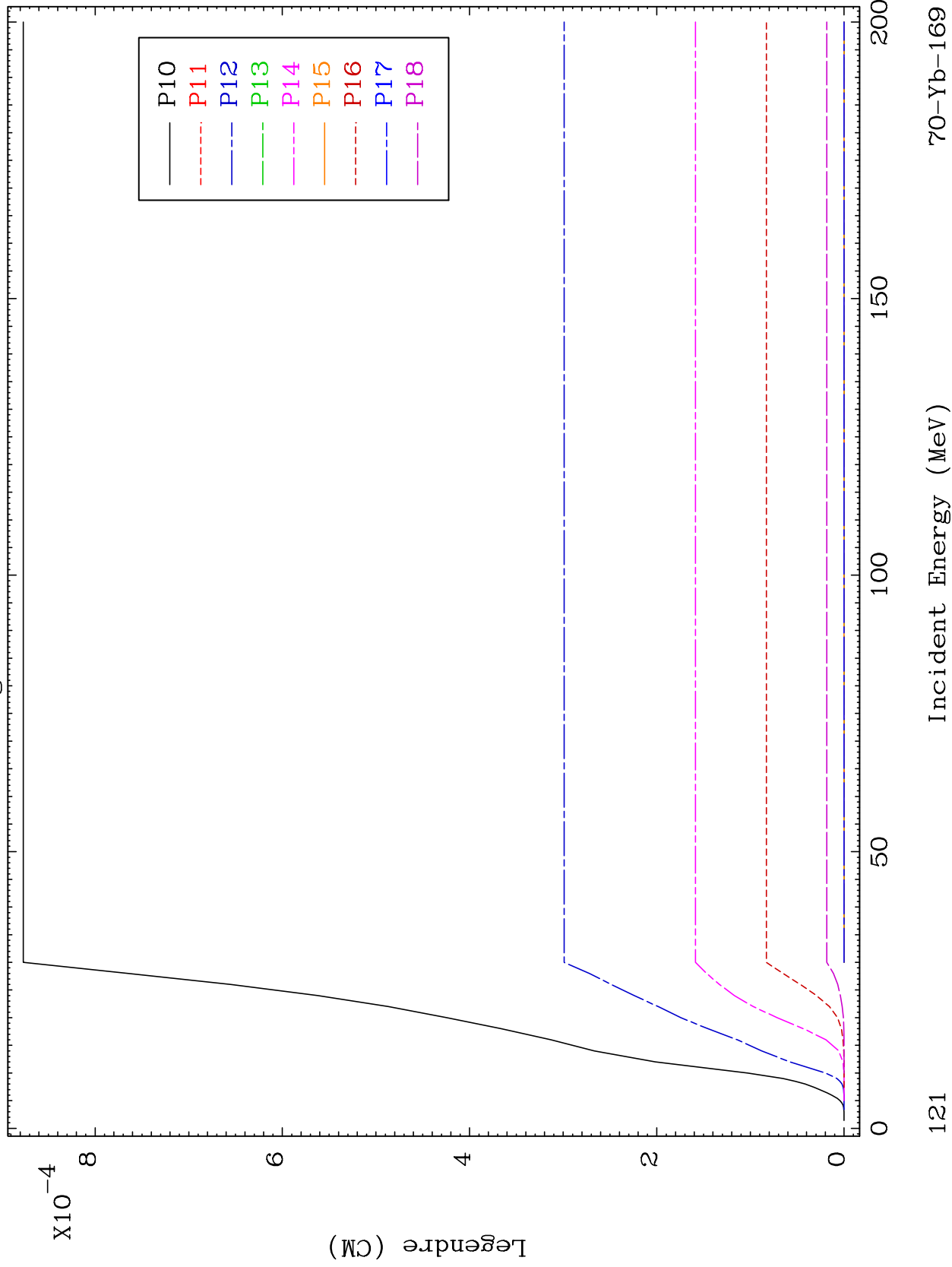




MAT 7028

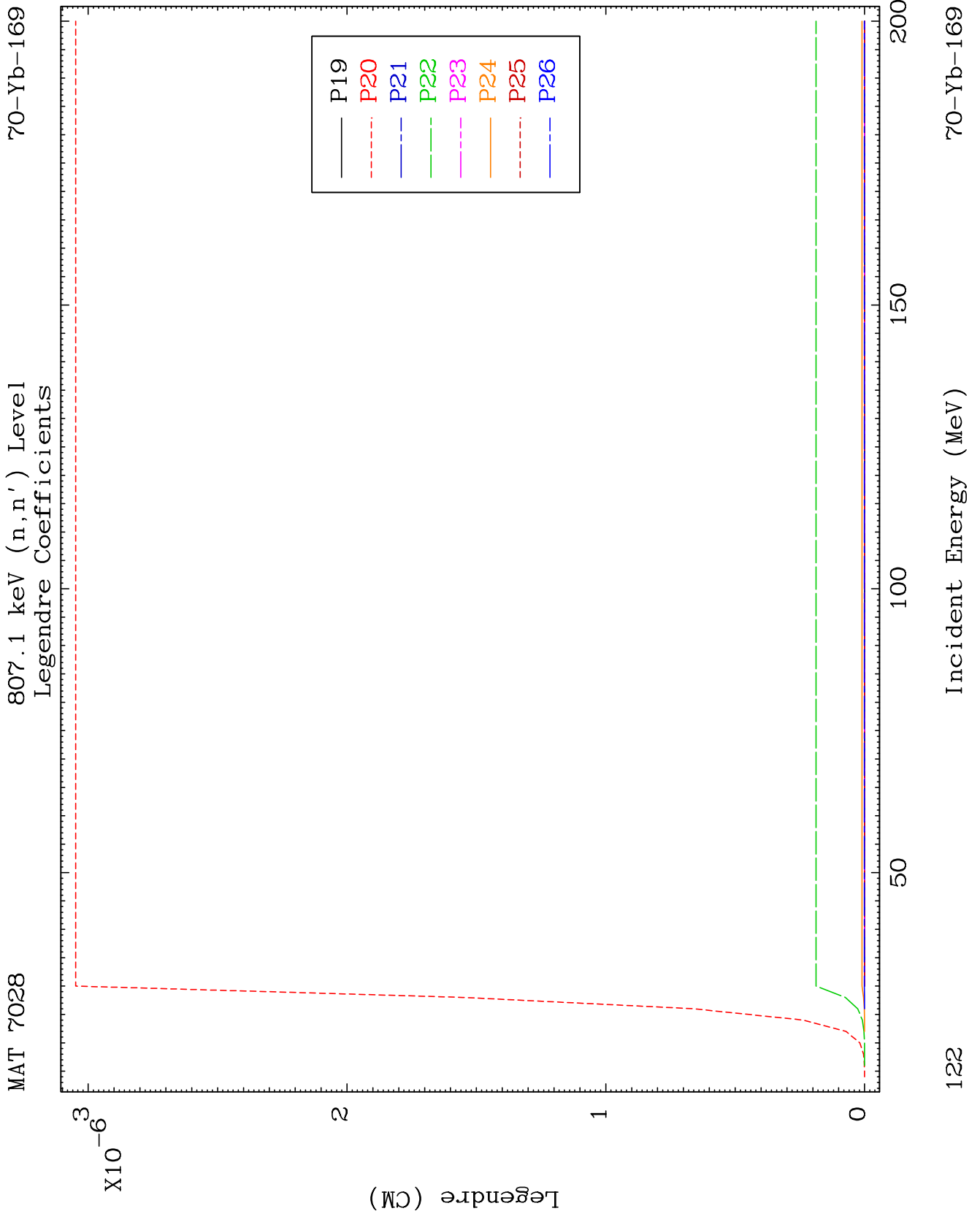
807.1 keV (n,n') Level  
Legendre Coefficients

70-Yb-169



121

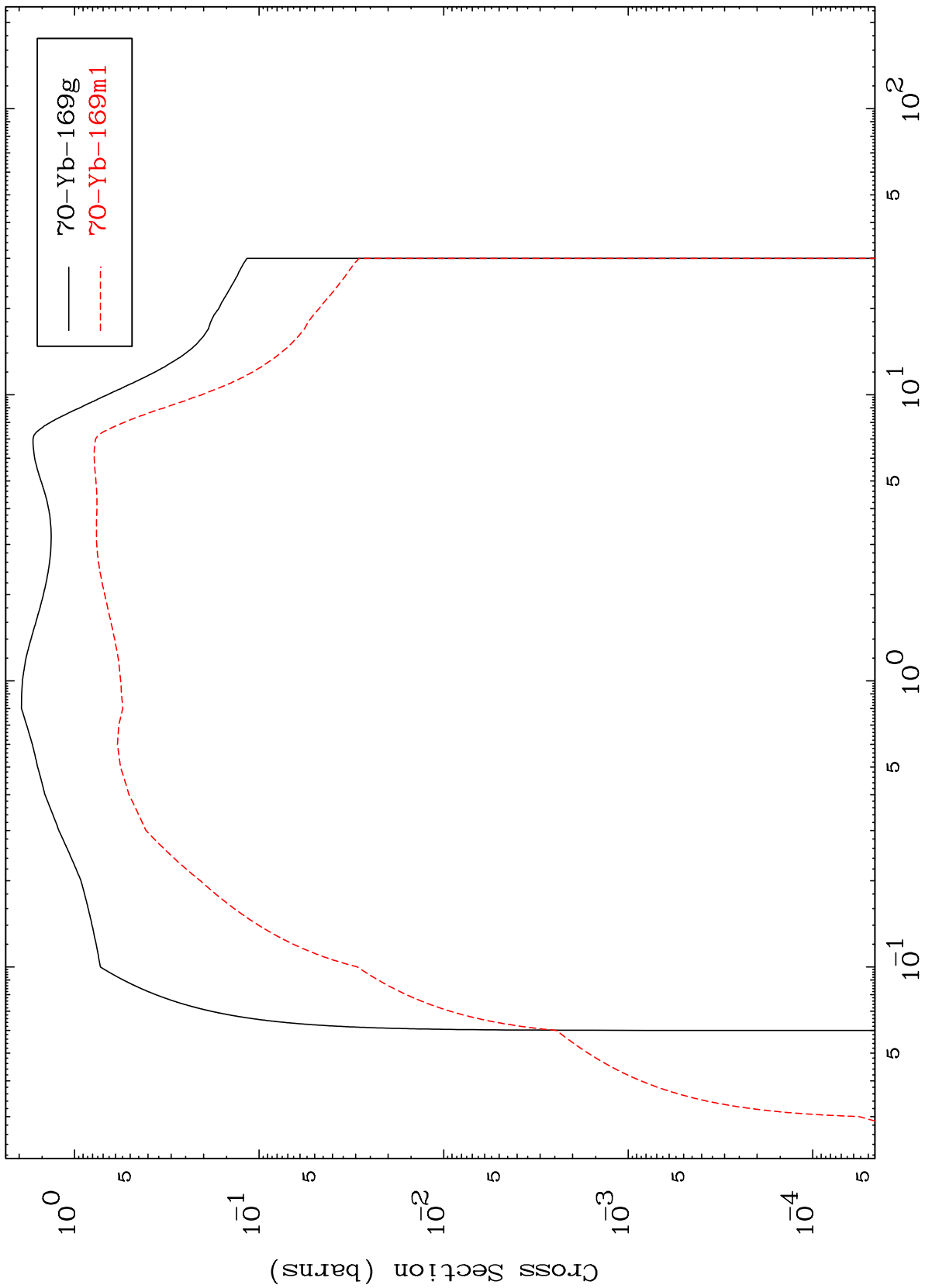
70-Yb-169



MAT 7028

70-Yb-169

Inelastic  
Radionuclide Production Cross Section



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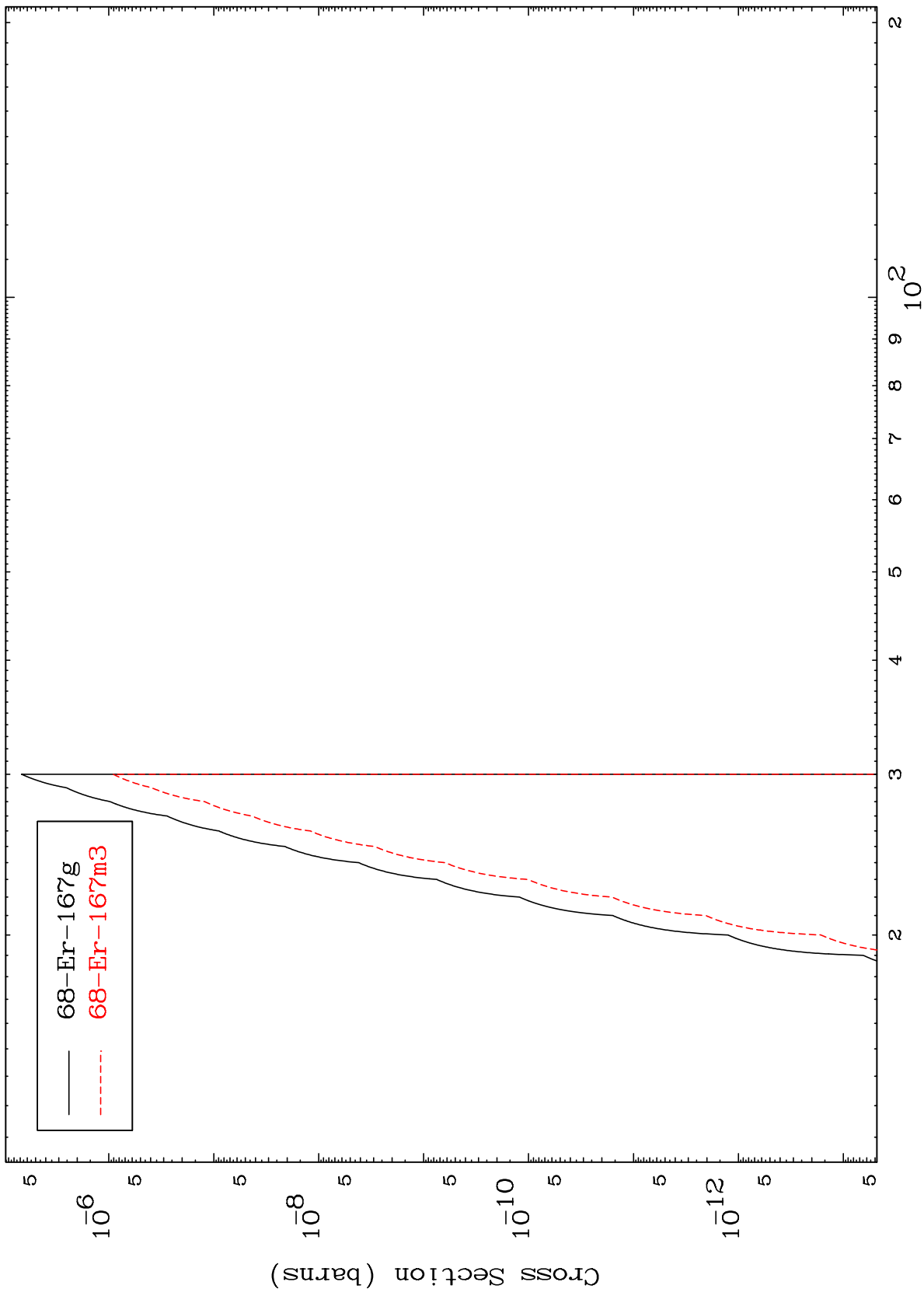
70-Yb-169

Incident Energy (MeV)

MAT 7028

70-Yb-169

(n,2n) p  
Radionuclide Production Cross Section



70-Yb-169

Incident Energy (MeV)

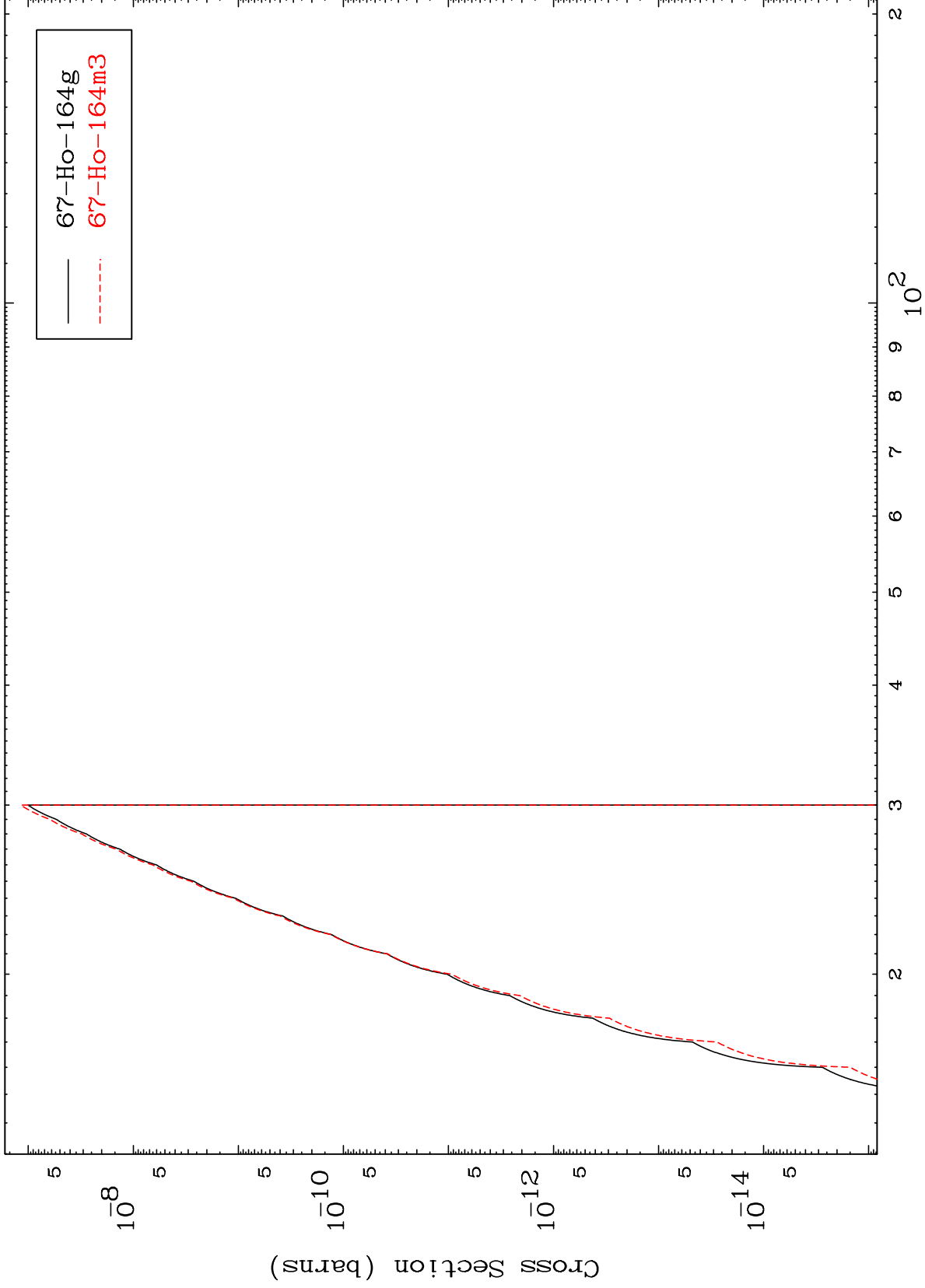
124

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(n,n') p  $\alpha$

70-Yb-169

Radionuclide Production Cross Section



125

Incident Energy (MeV)

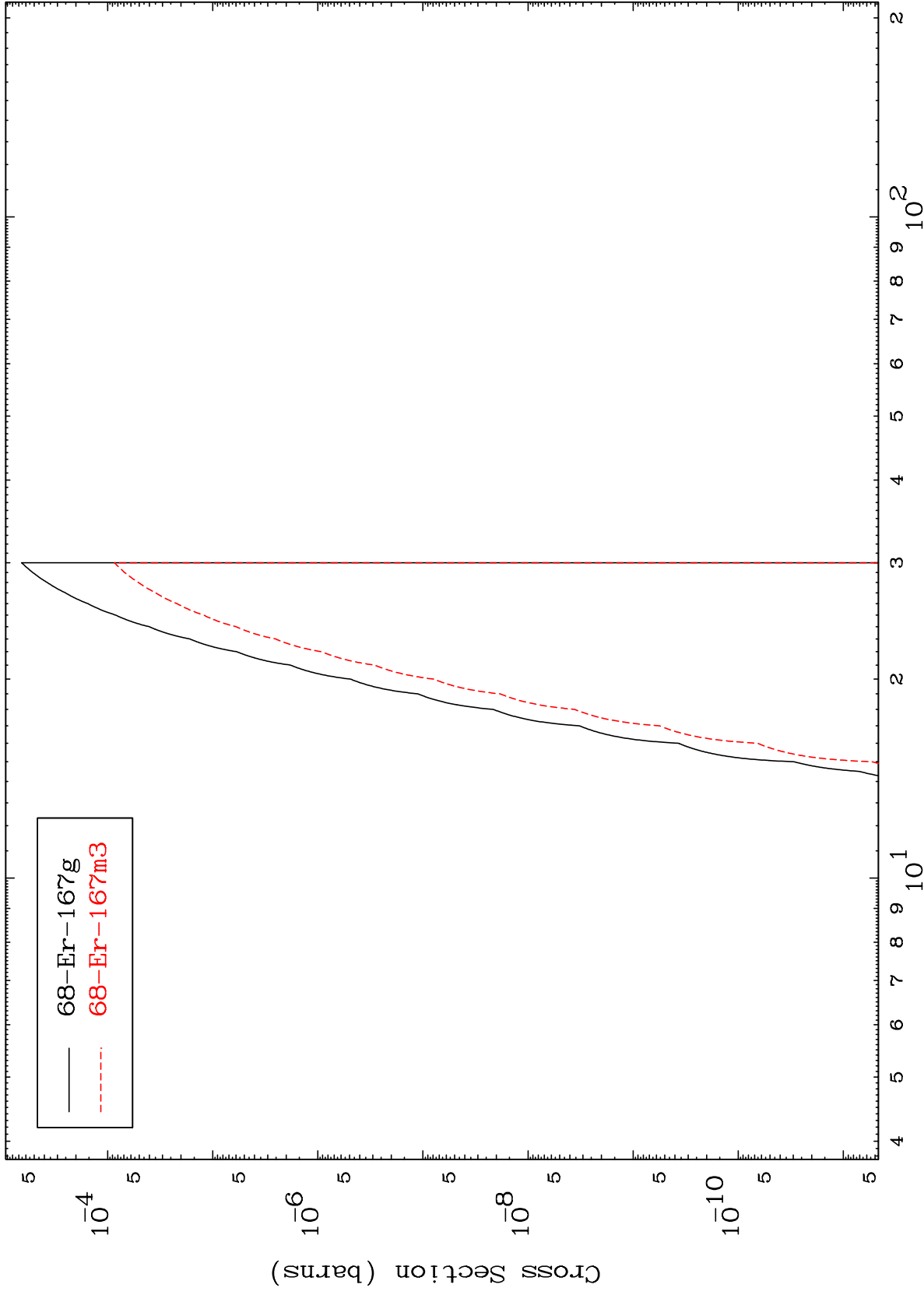
70-Yb-169

MAT 7028

(n,He-3)

70-Yb-169

Radionuclide Production Cross Section



126

Incident Energy (MeV)

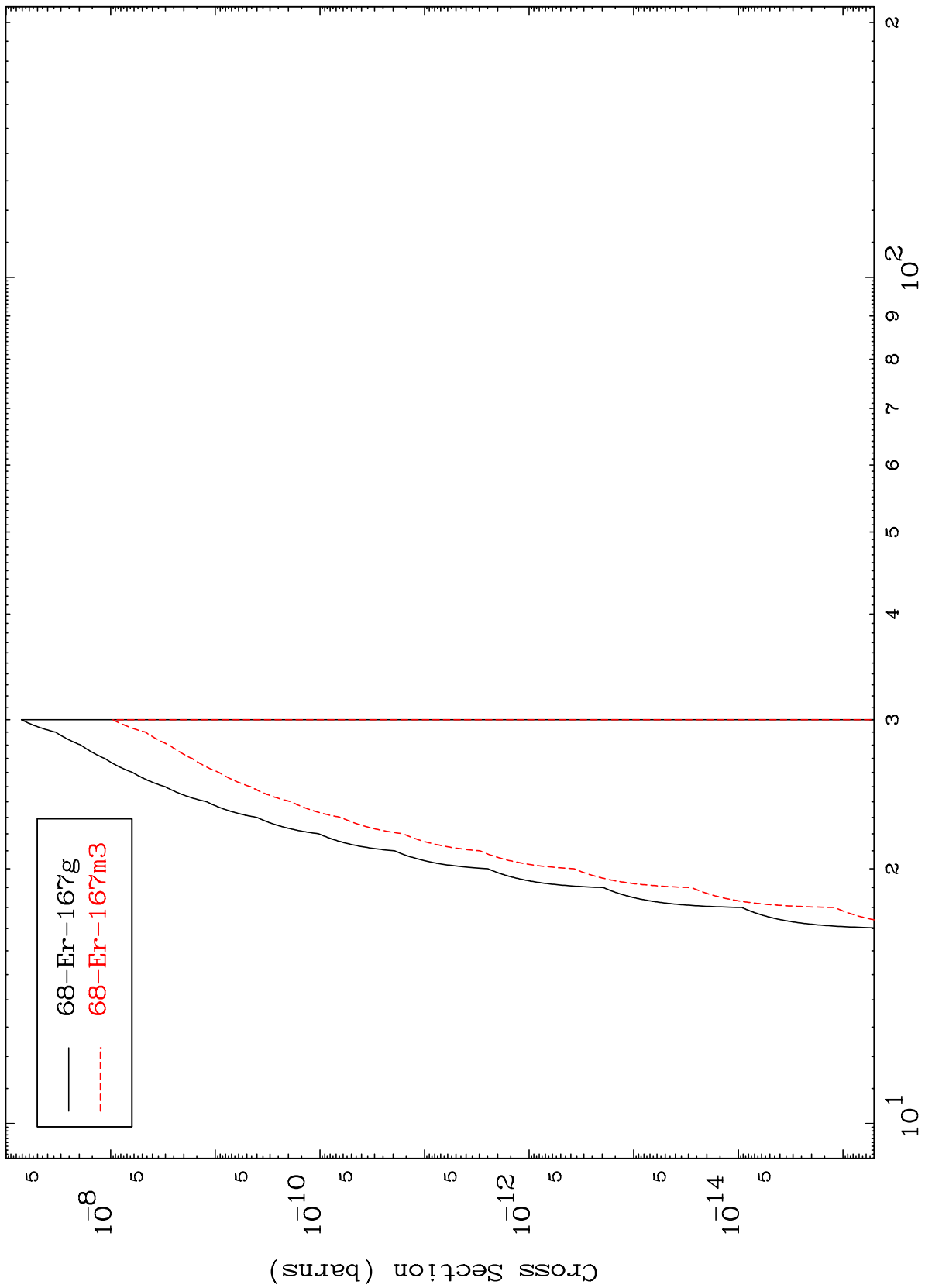
70-Yb-169

MAT 7028

(n,p) d

70-Yb-169

Radionuclide Production Cross Section



127

Incident Energy (MeV)

70-Yb-169



MAT 7028

(n,d)  $\alpha$

70-Yb-169

