

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

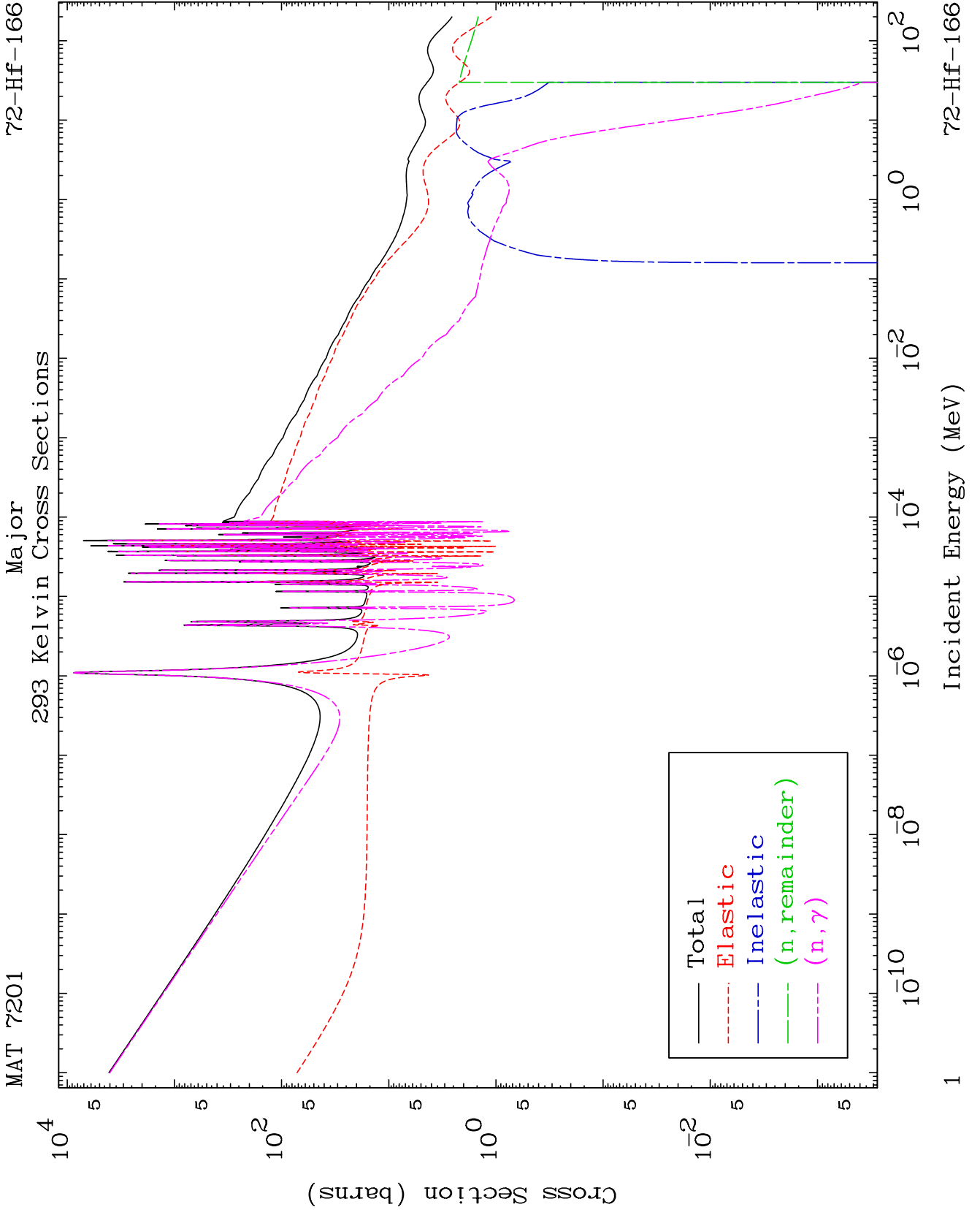
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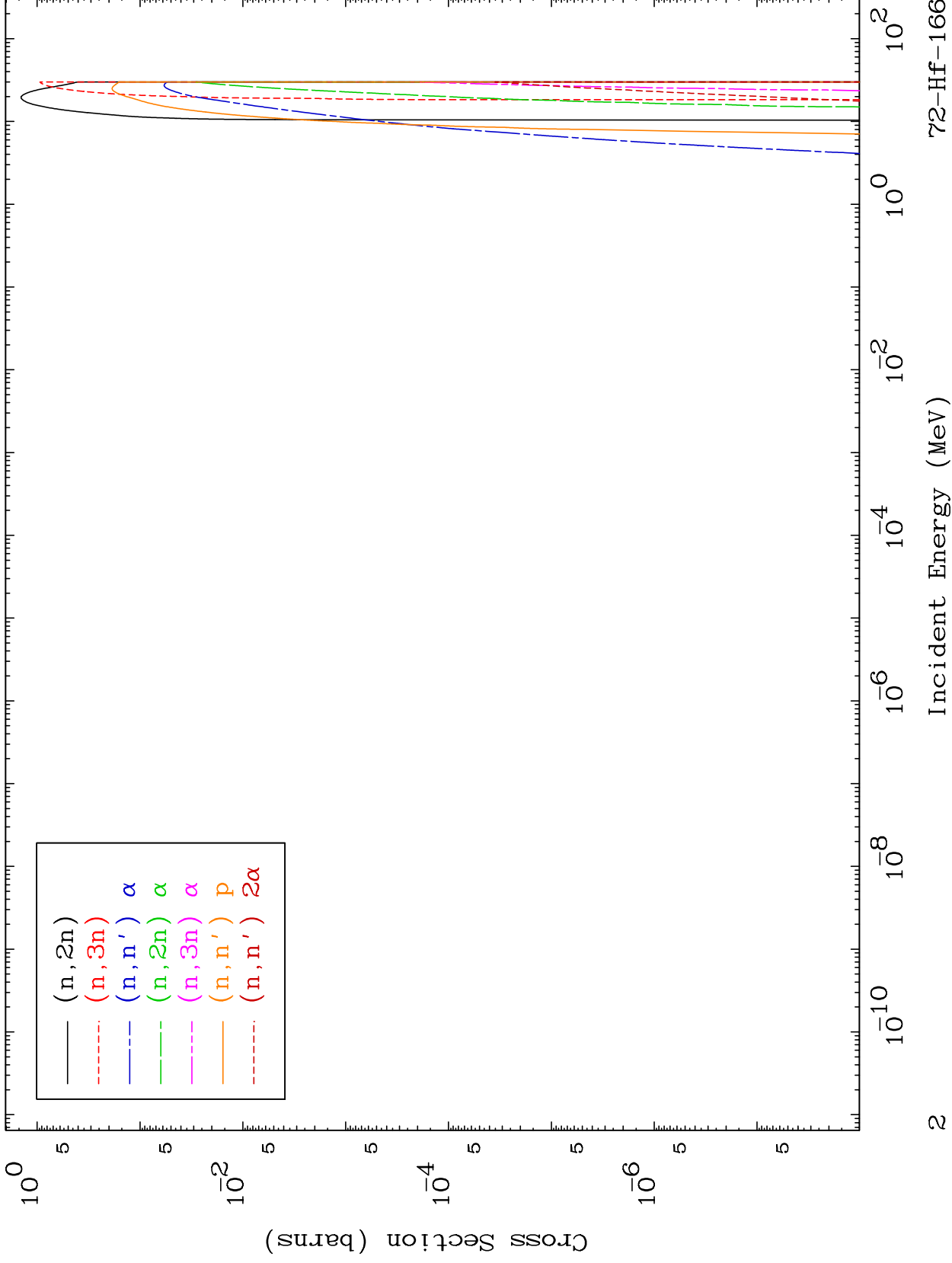
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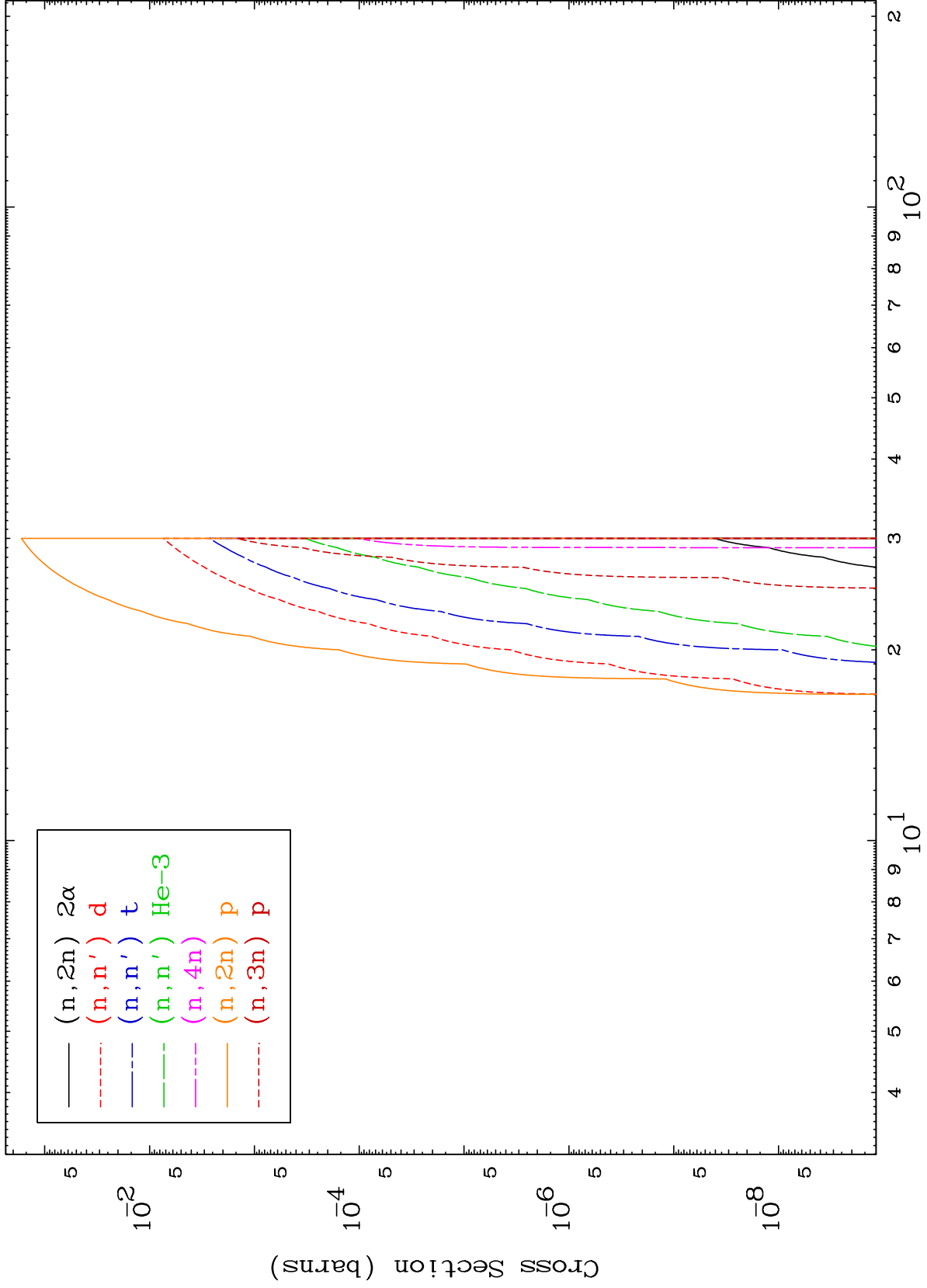


MAT 7201

Neutron Production  
293 Kelvin Cross Sections

72-Hf-166

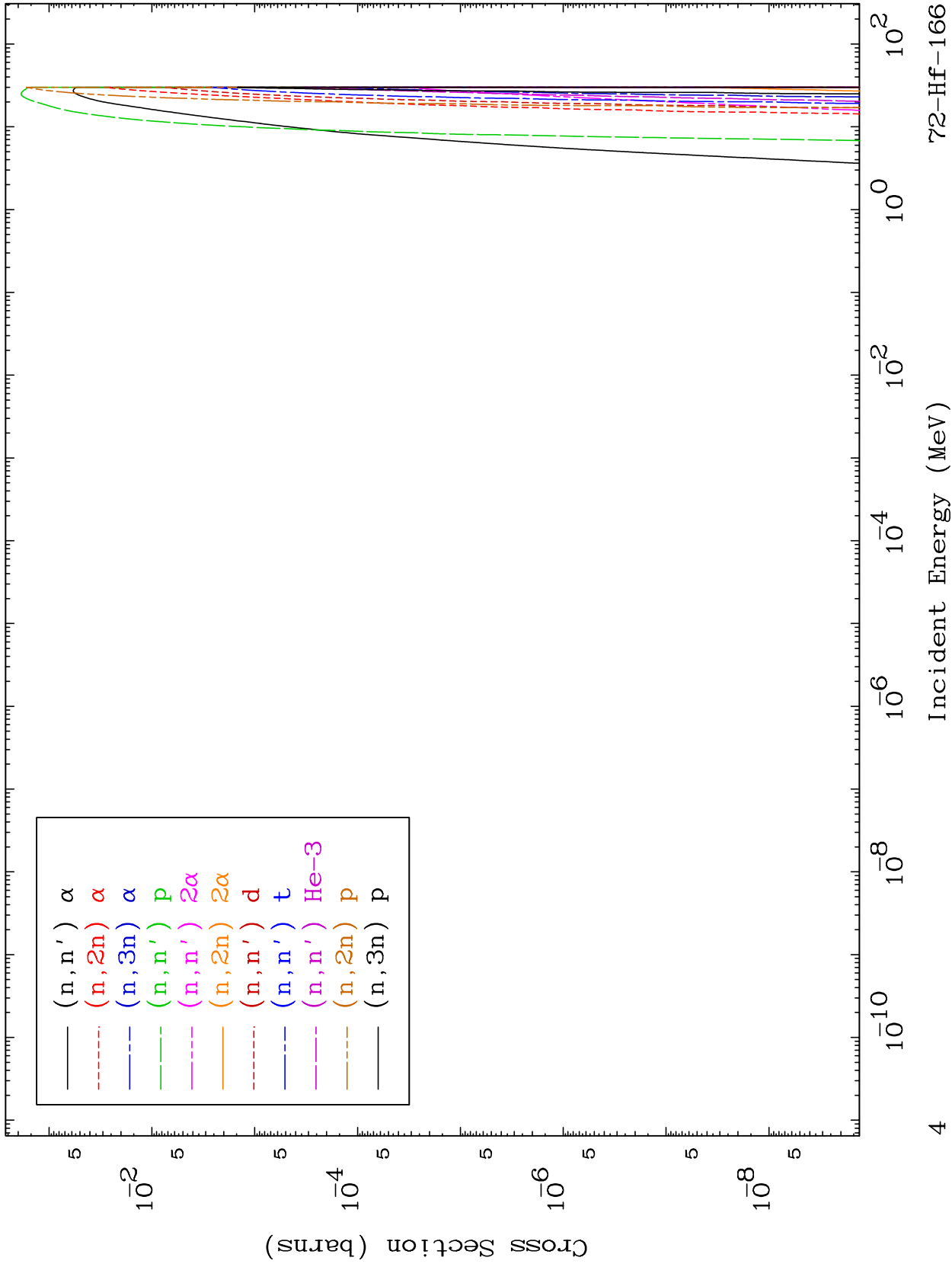




MAT 7201

Charged Particle  
293 Kelvin Cross Sections

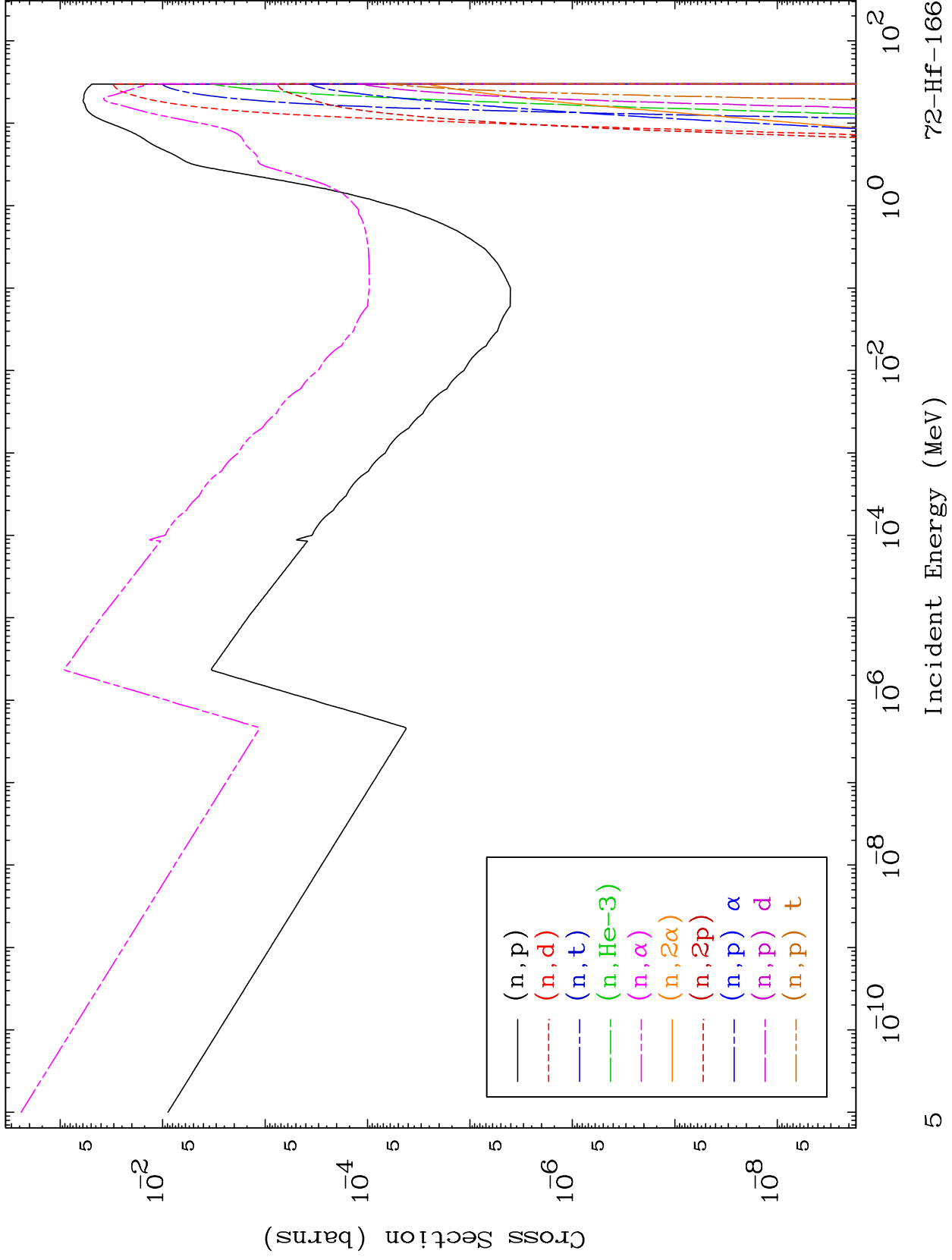
72-Hf-166



MAT 7201

Charged Particle  
293 Kelvin Cross Sections

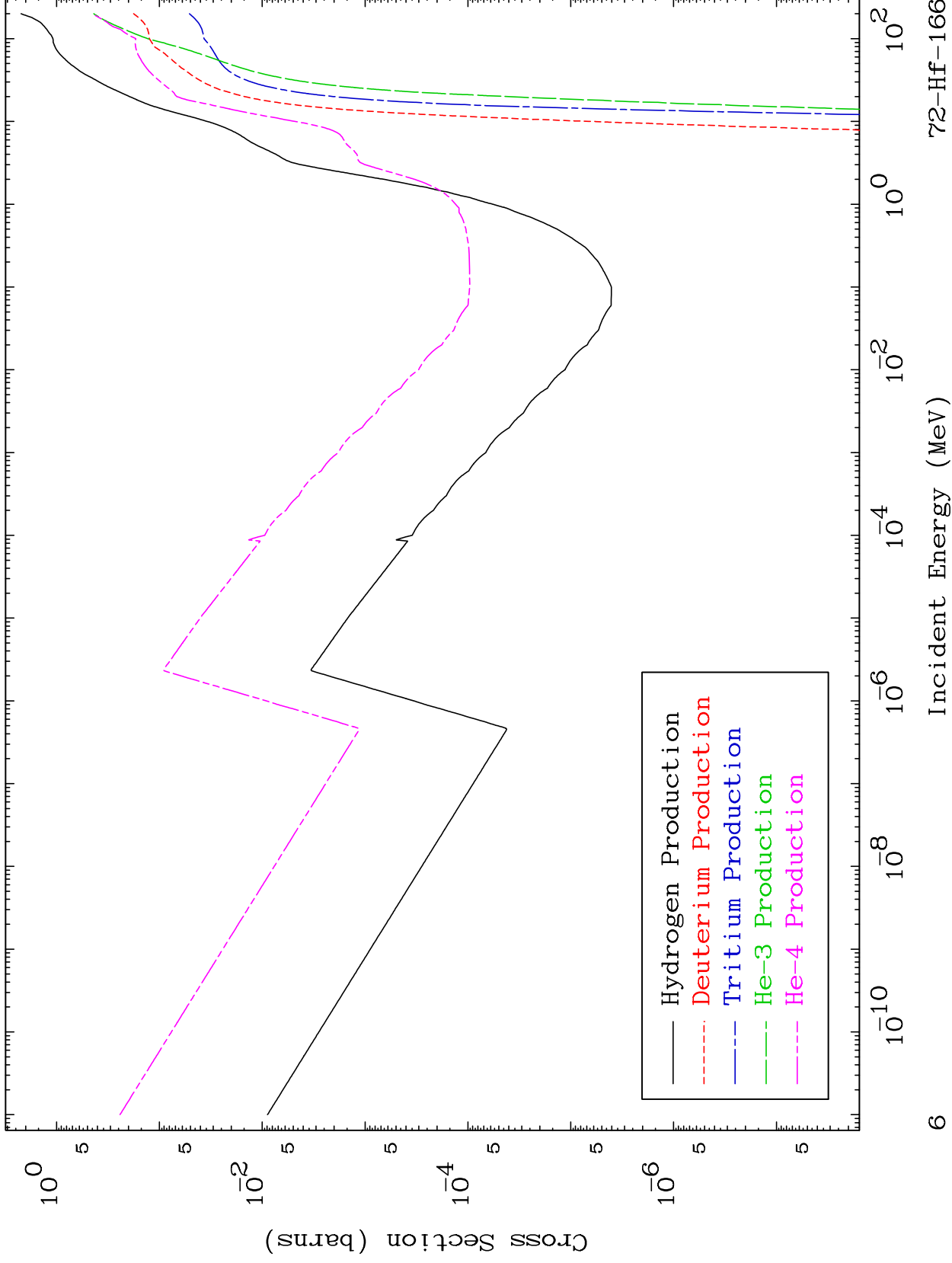
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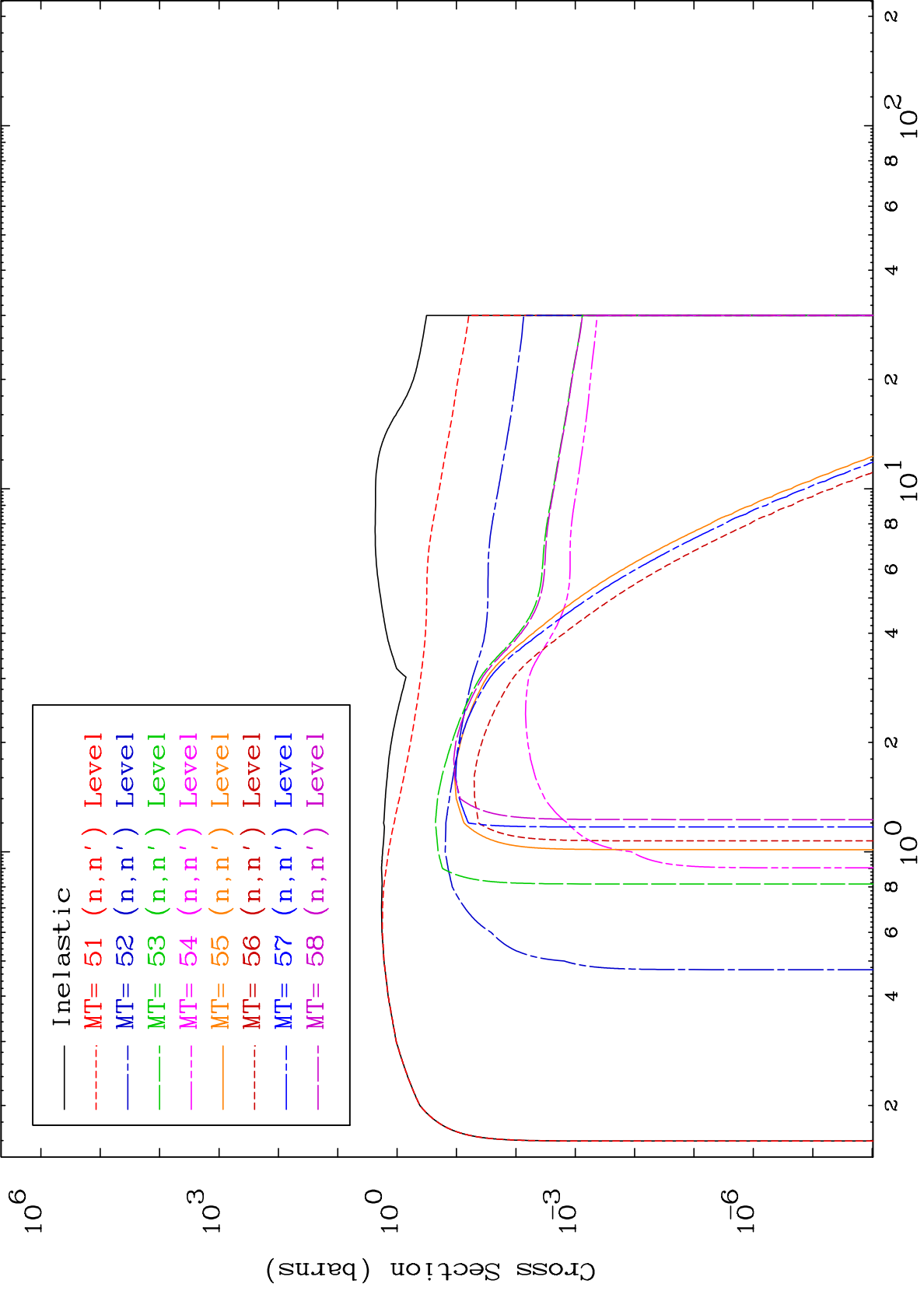


MAT 7201

Particle Production  
293 Kelvin Cross Sections

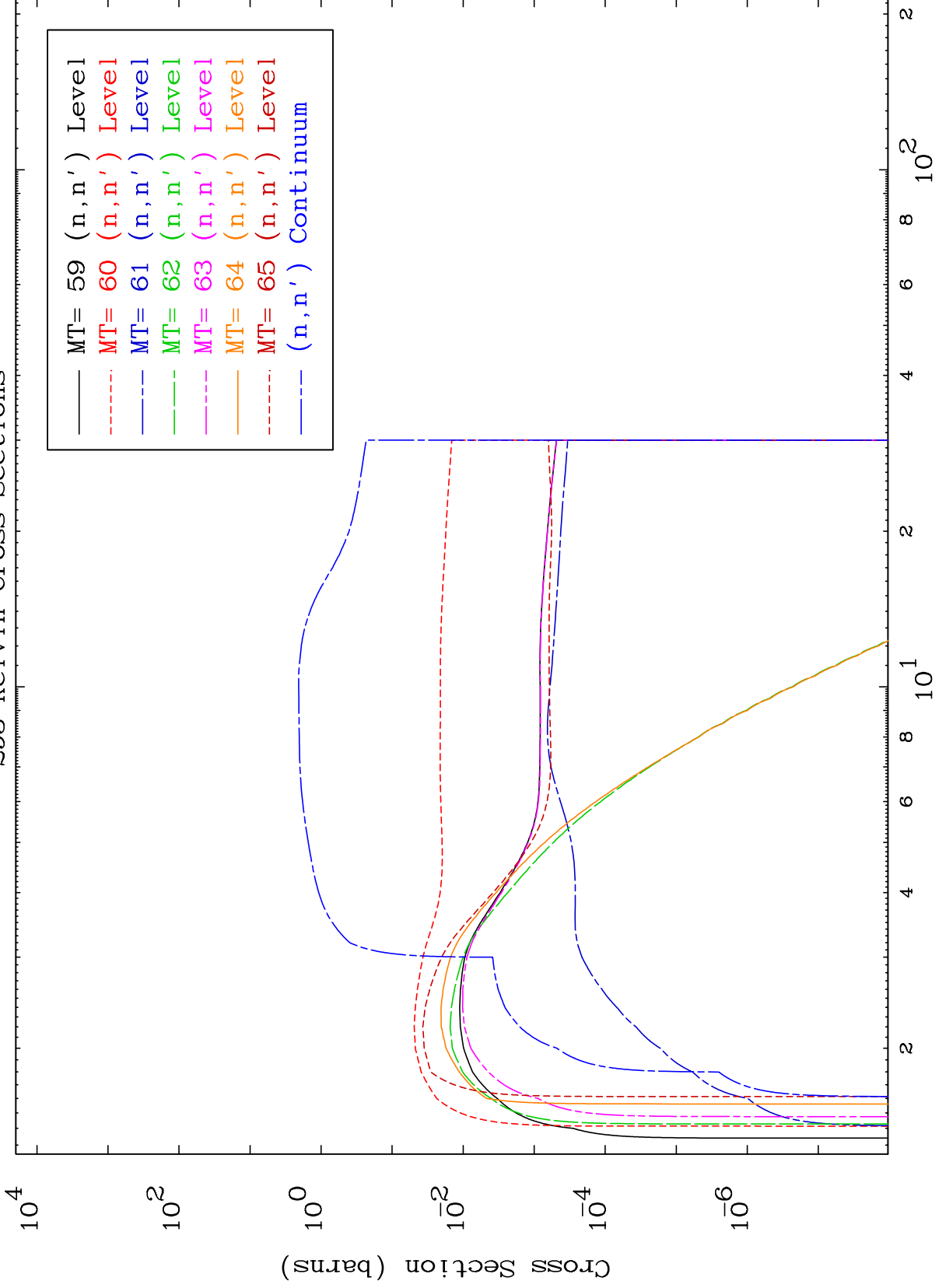
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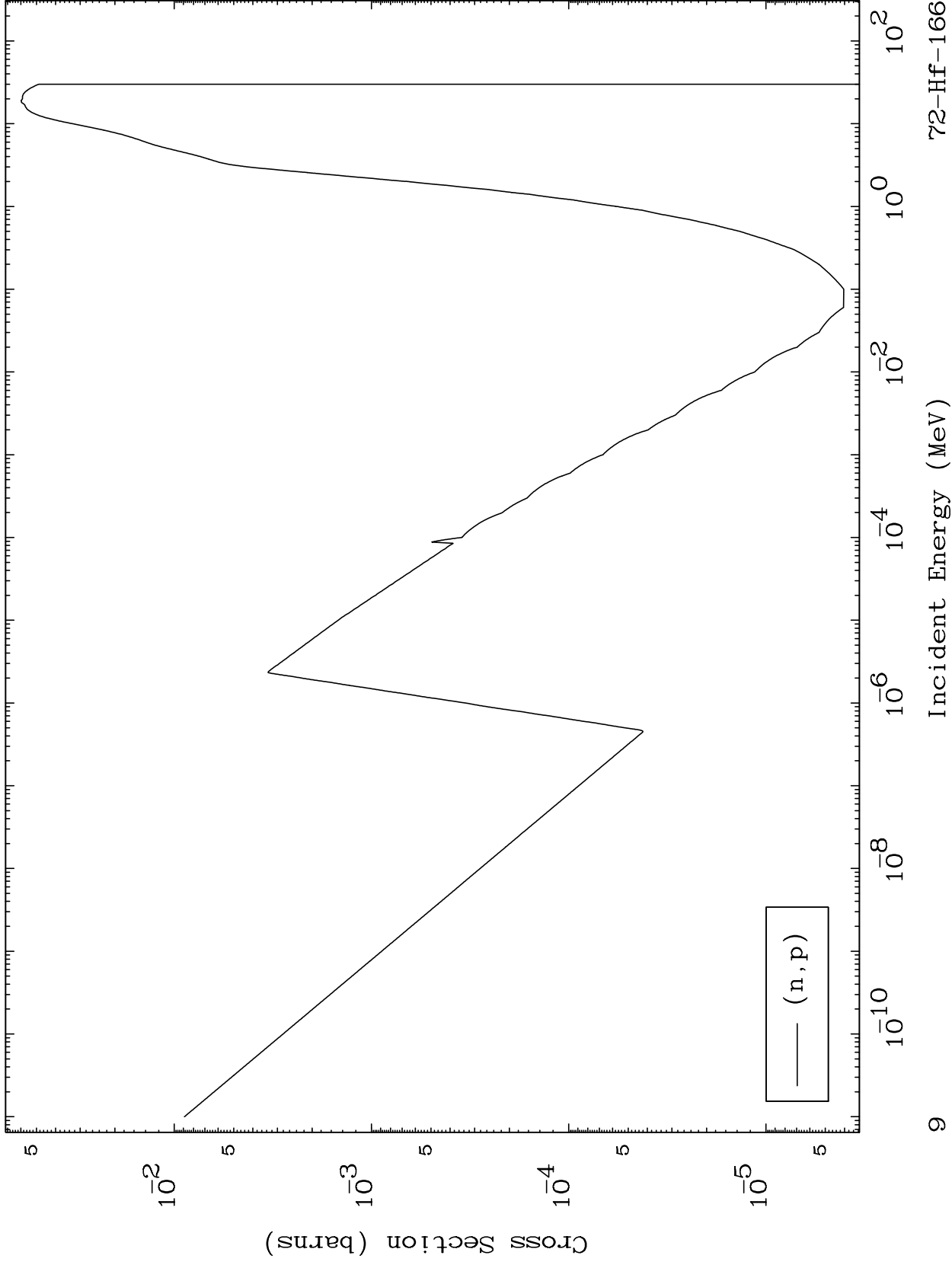
293 Kelvin Cross Sections



MAT 7201

(n,p) Levels  
293 Kelvin Cross Sections

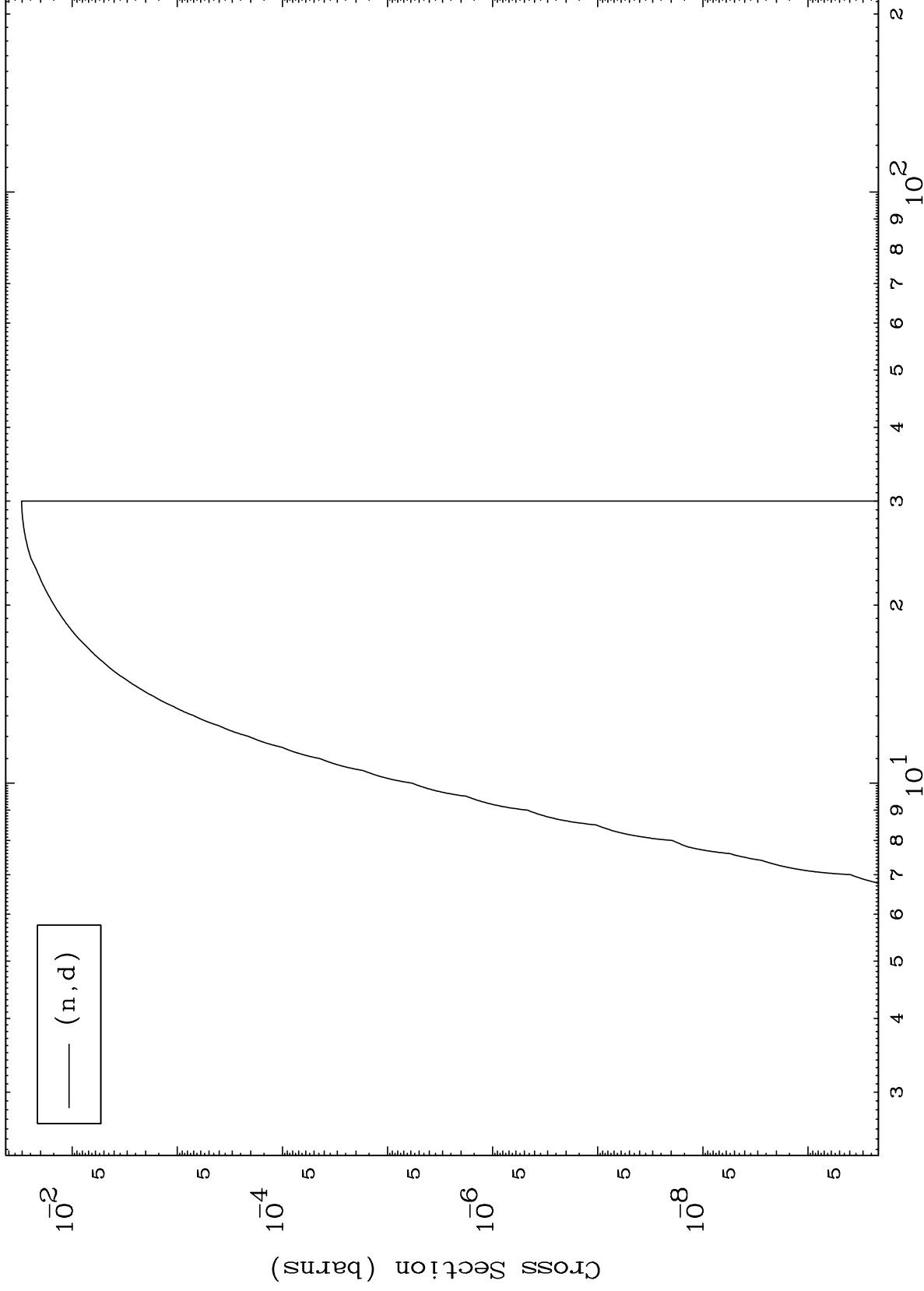
72-Hf-166



MAT 7201

(n,d) Levels  
293 Kelvin Cross Sections

72-Hf-166



10

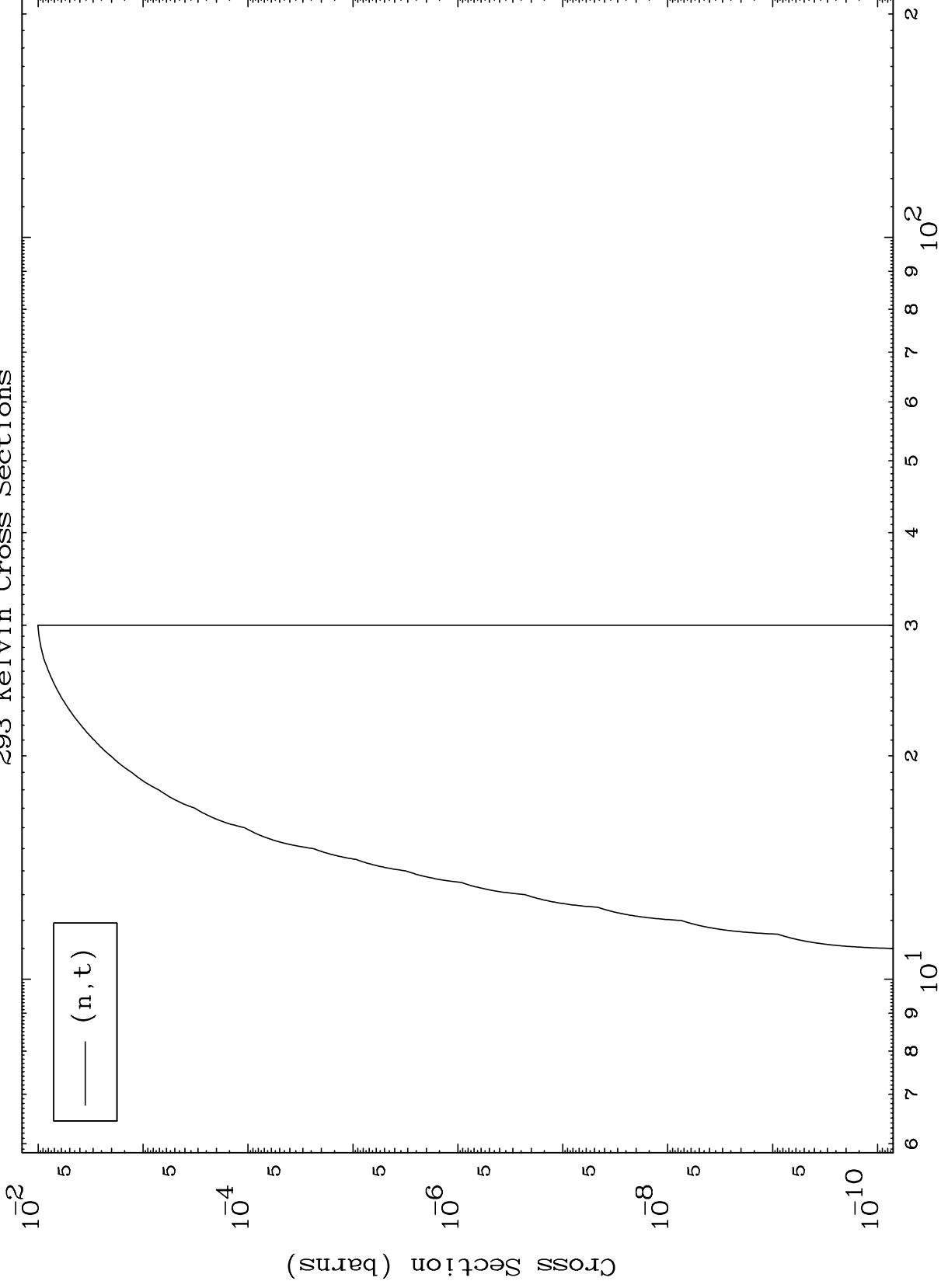
Incident Energy (MeV)

72-Hf-166

MAT 7201

(n,t) Levels  
293 Kelvin Cross Sections

72-Hf-166



11

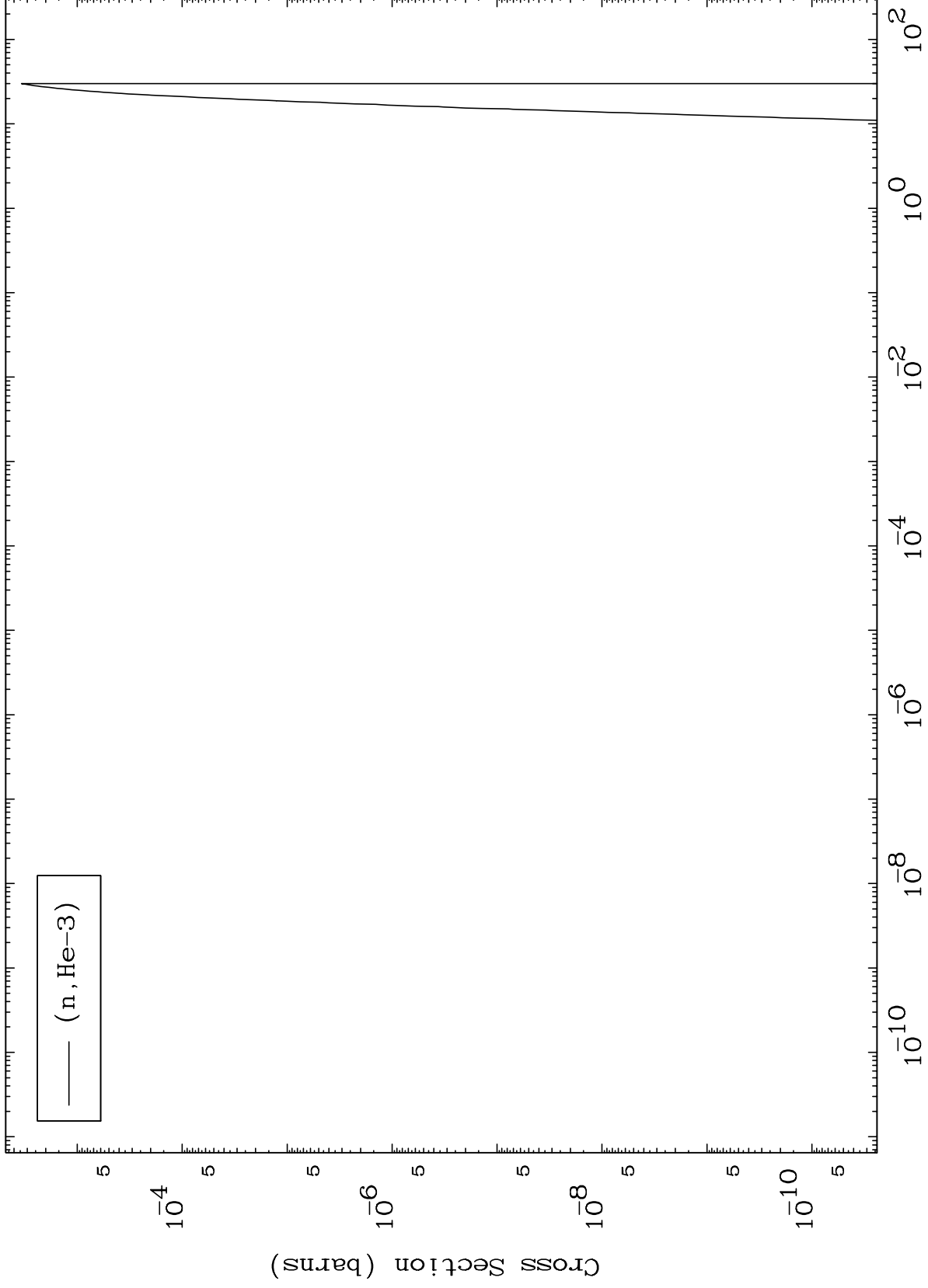
Incident Energy (MeV)

72-Hf-166

MAT 7201

(n,He3) Levels  
293 Kelvin Cross Sections

72-Hf-166



12

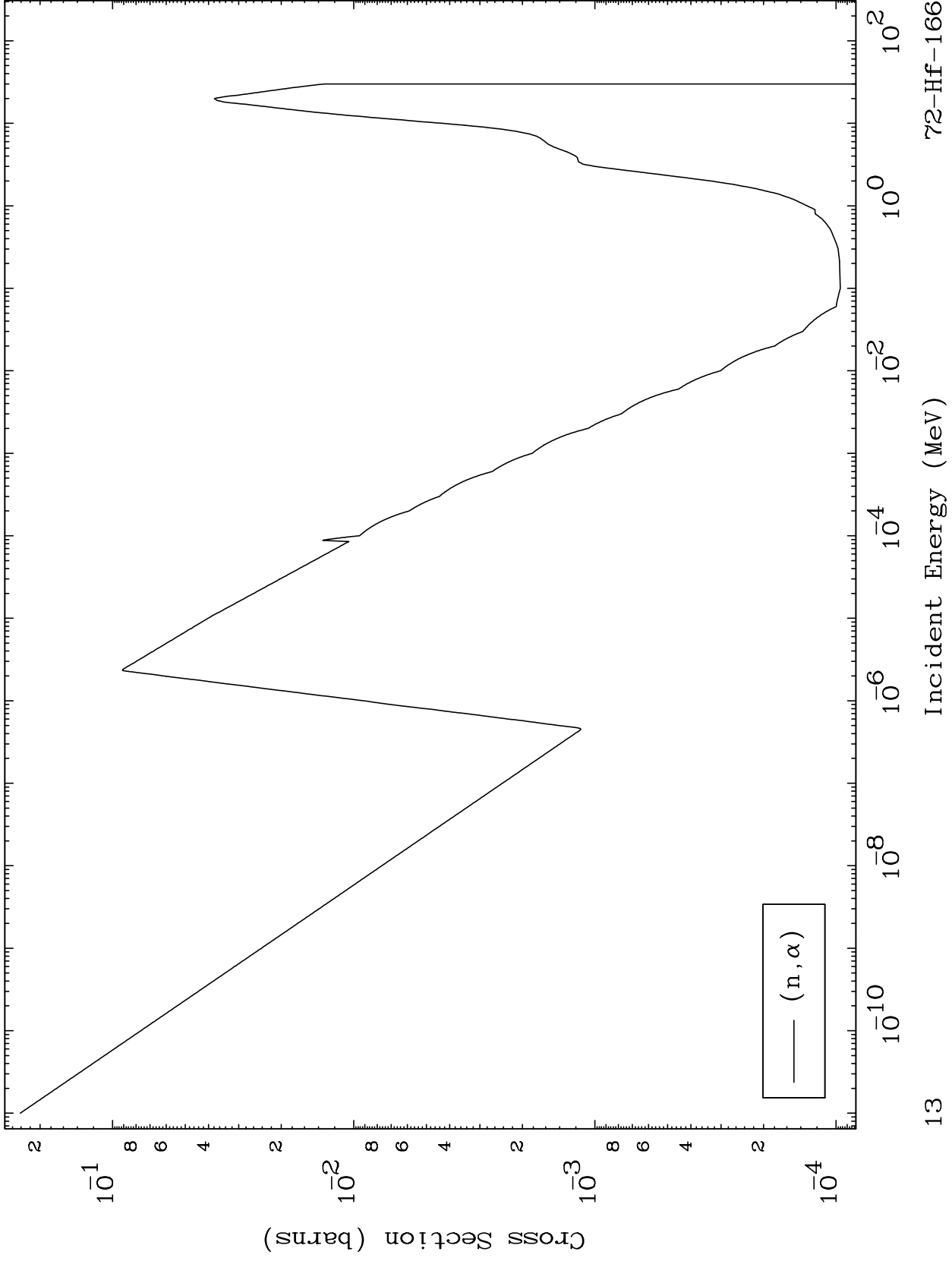
Incident Energy (MeV)

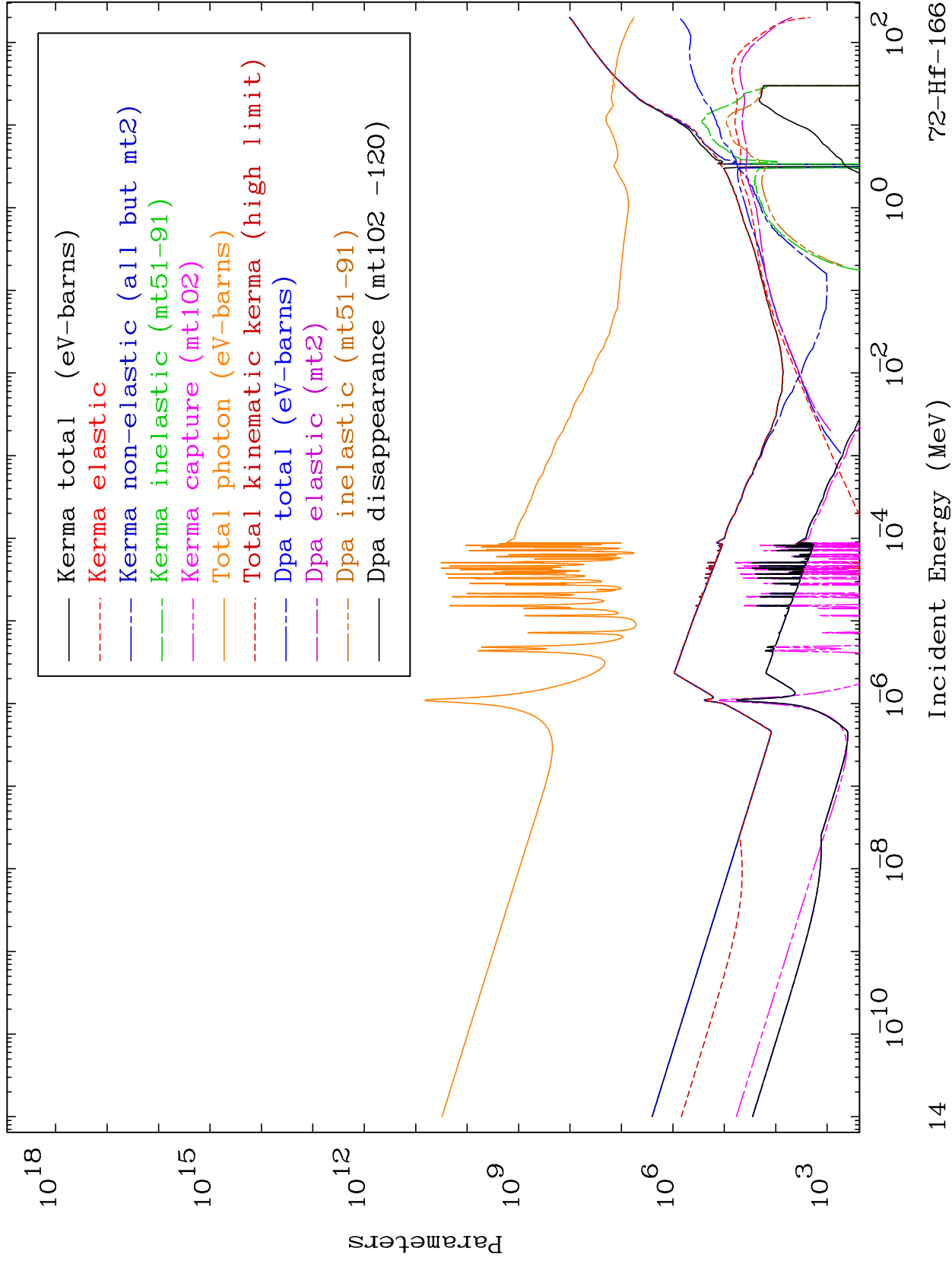
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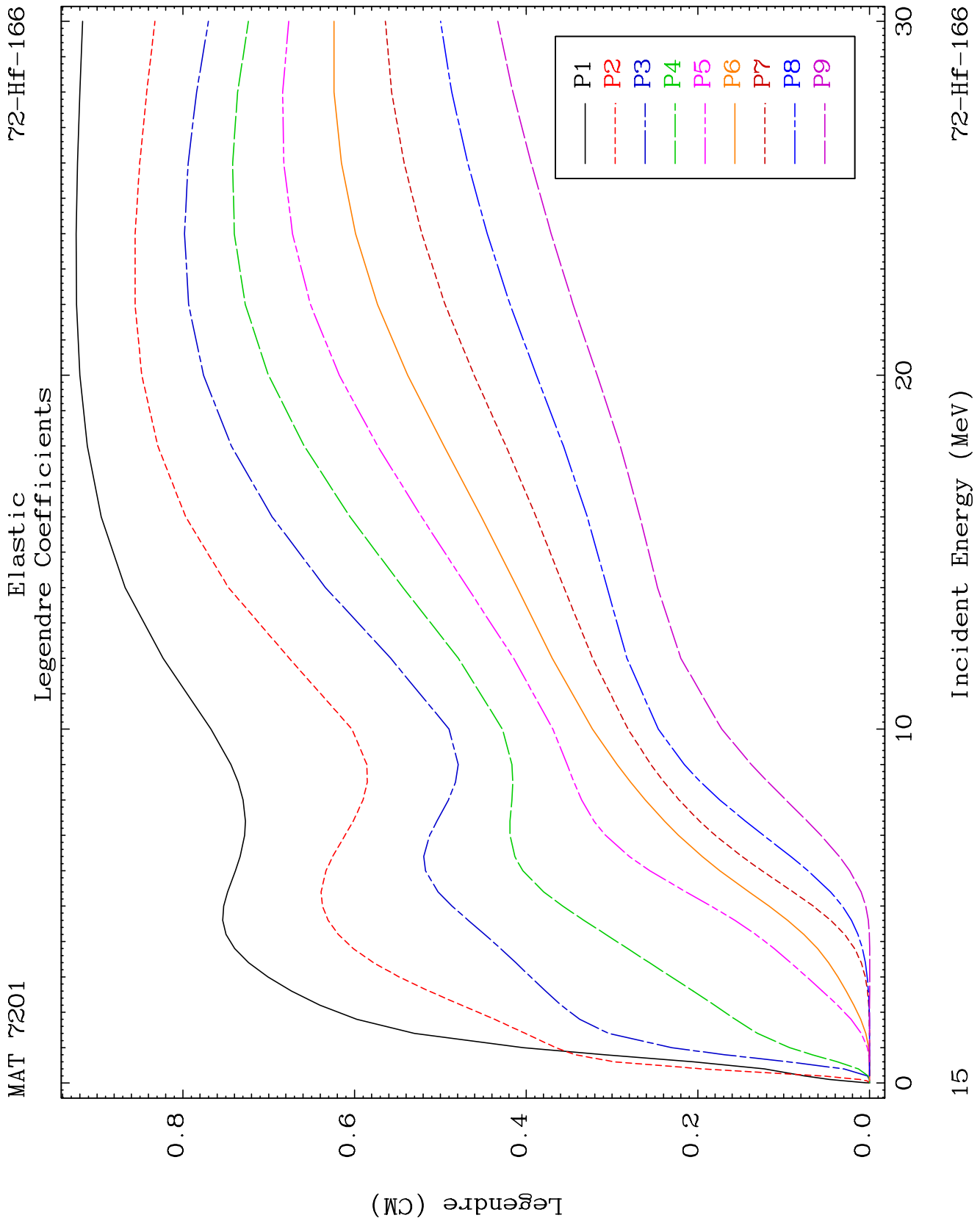
MAT 7201

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

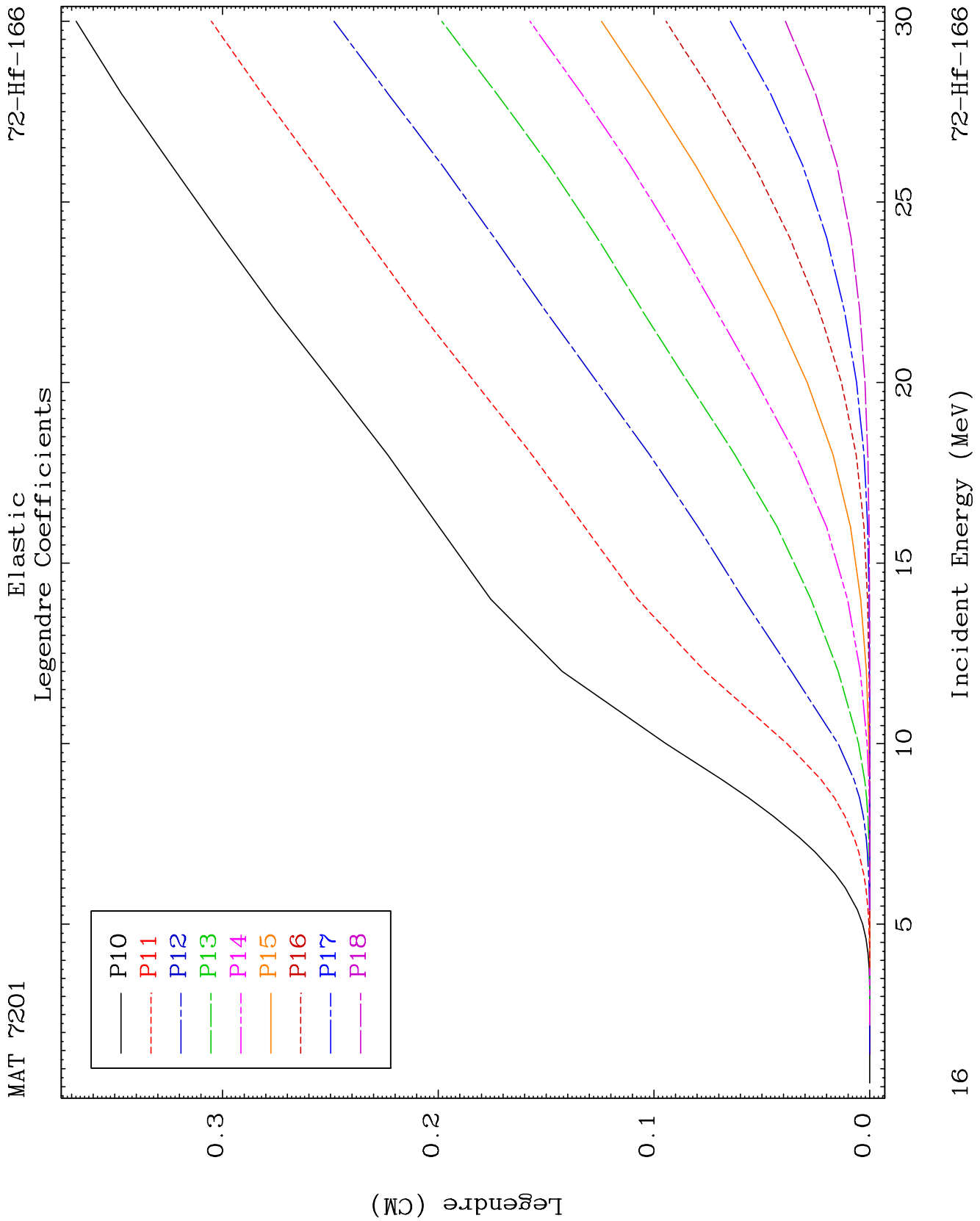
72-Hf-166







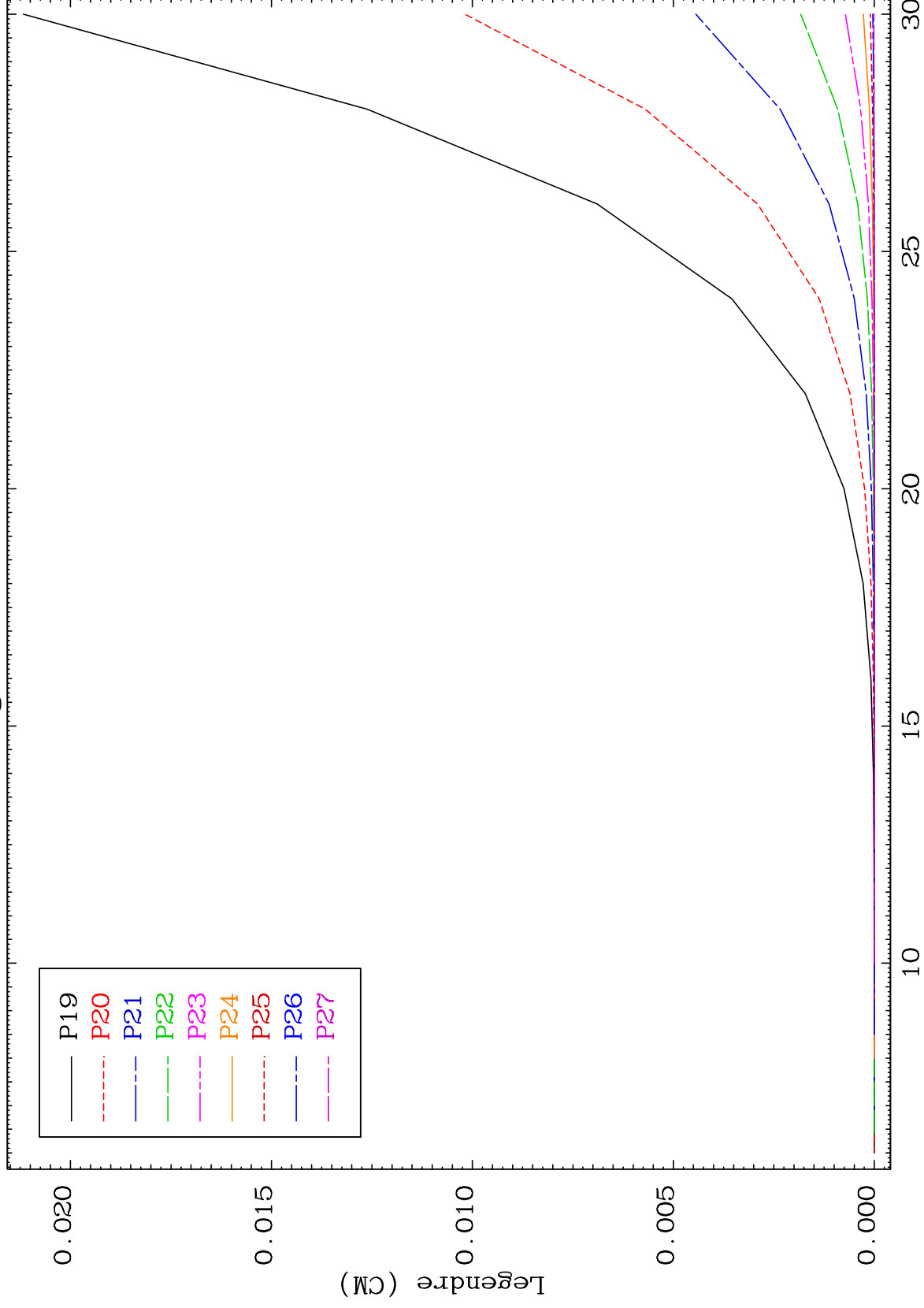




MAT 7201

Elastic  
Legendre Coefficients

72-Hf-166



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Incident Energy (MeV)

72-Hf-166

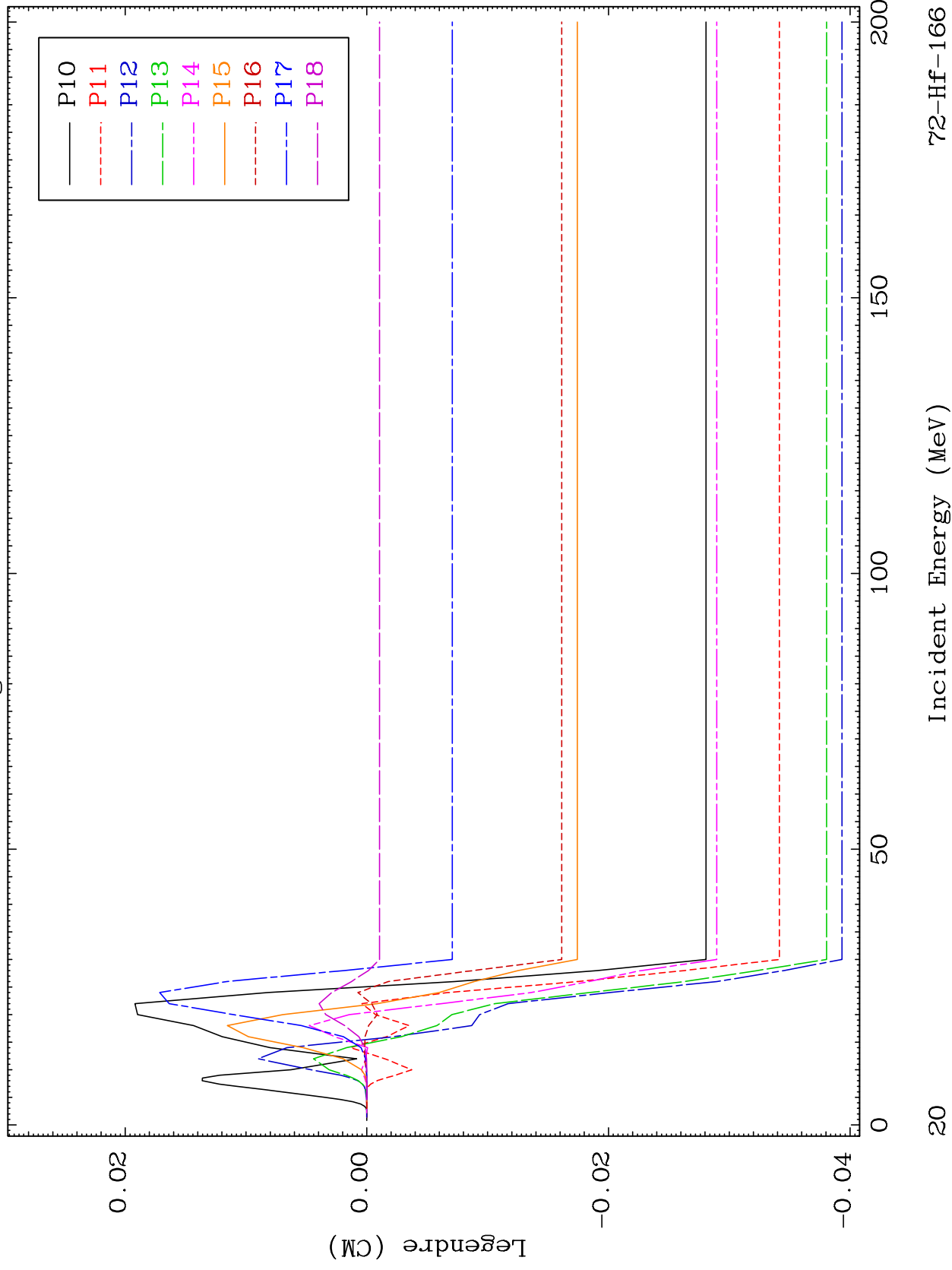




MAT 7201

MT= 51 (n,n') Level  
Legendre Coefficients

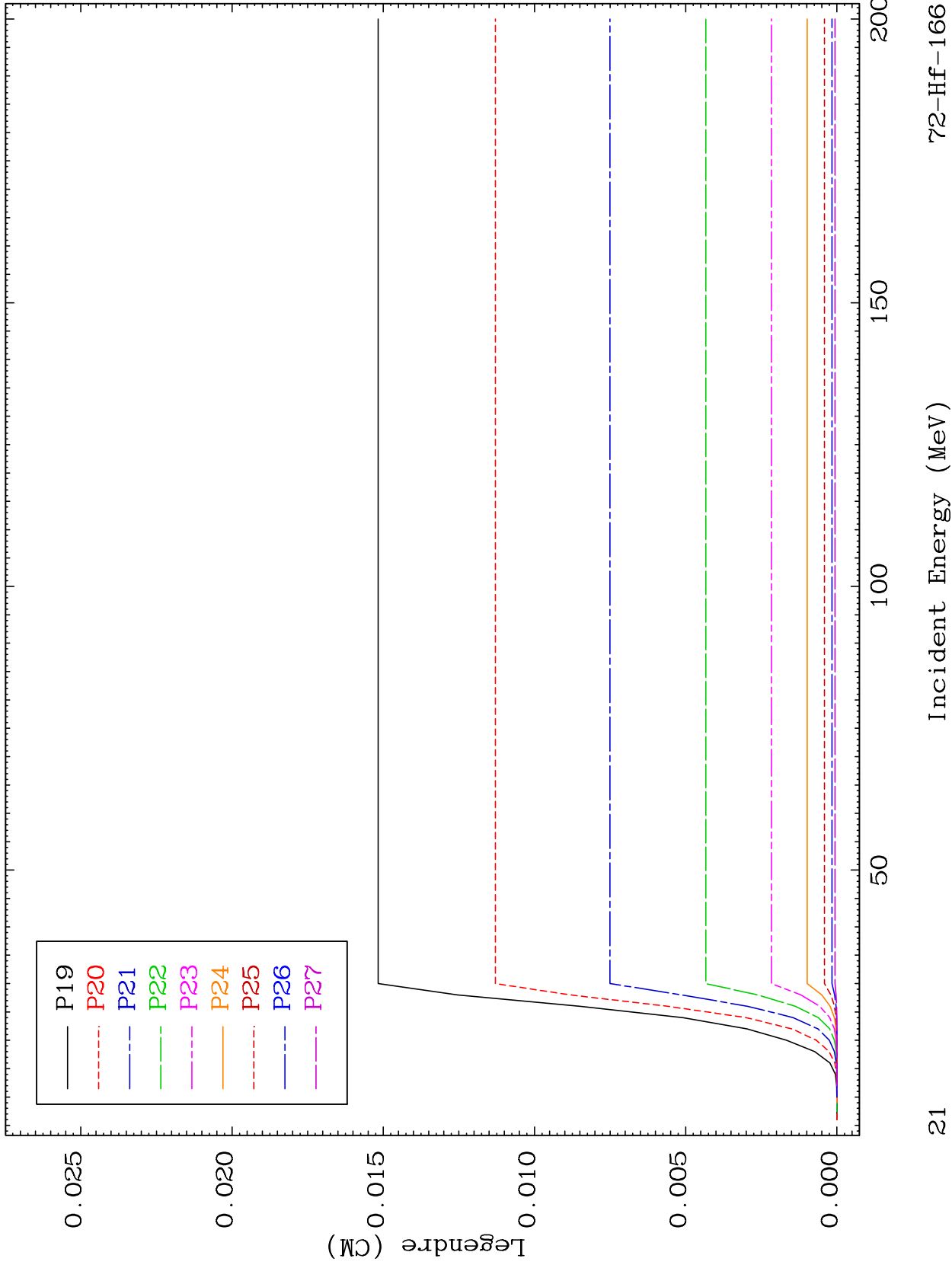
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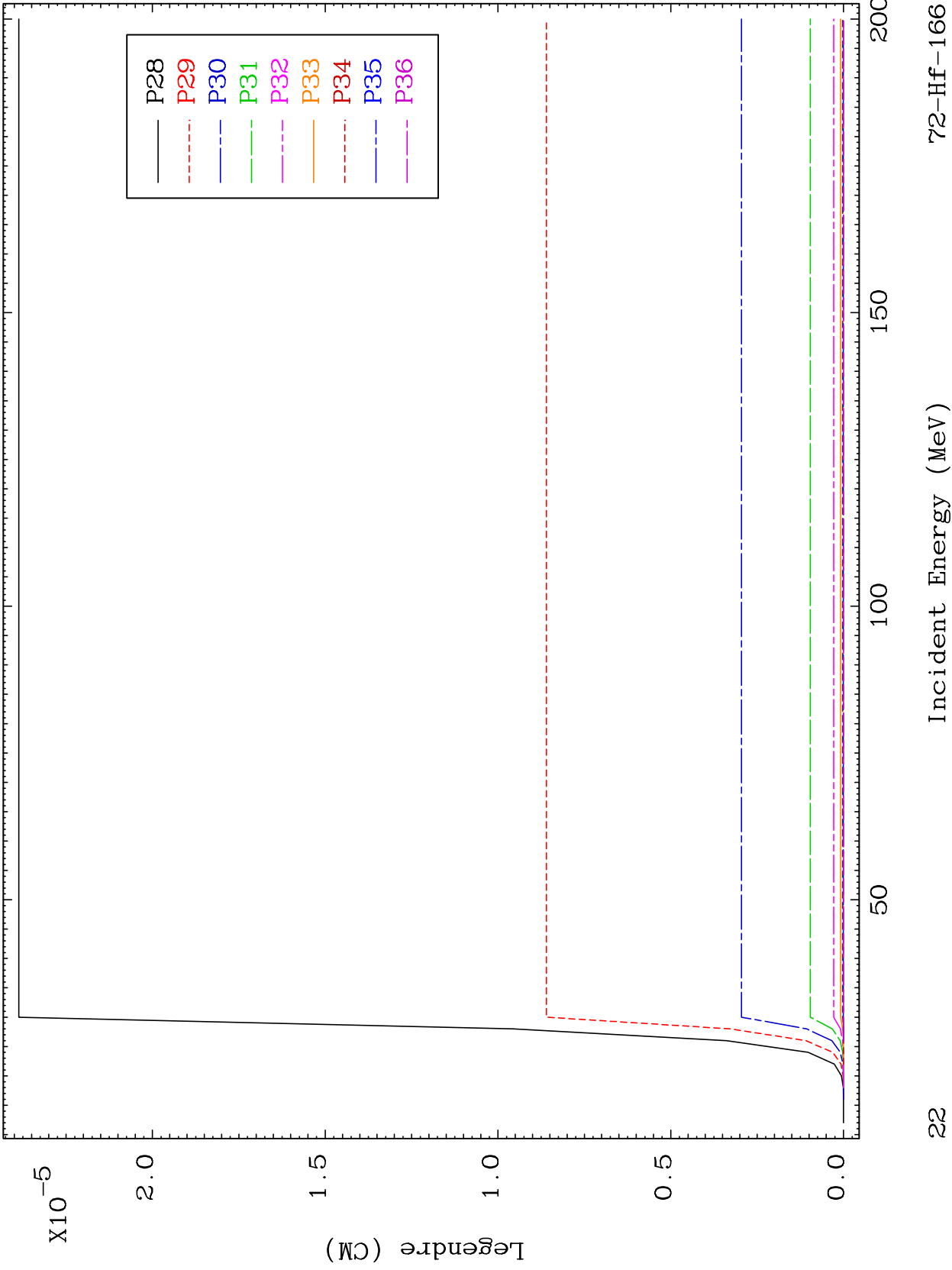


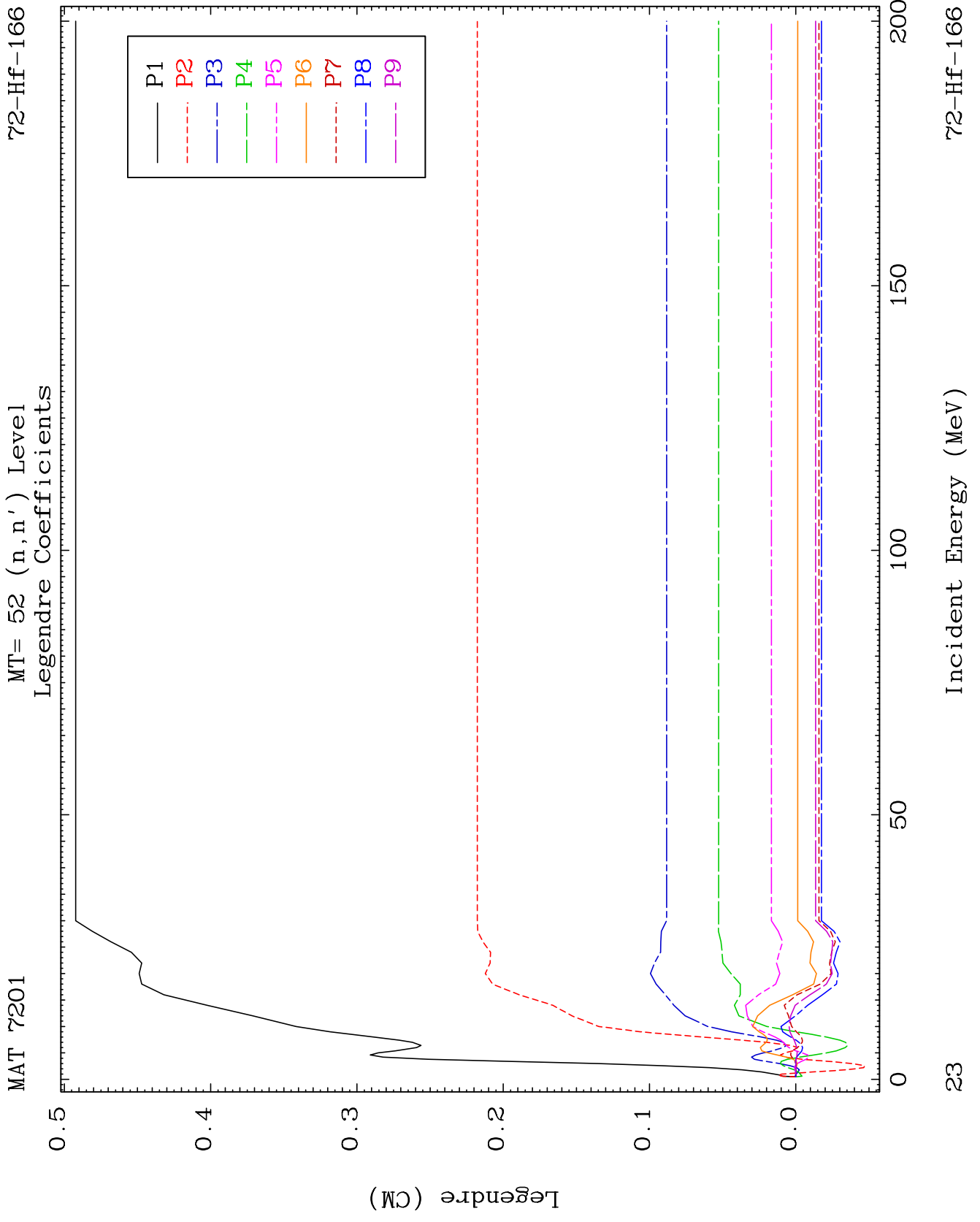
72-Hf-166

Incident Energy (MeV)

20





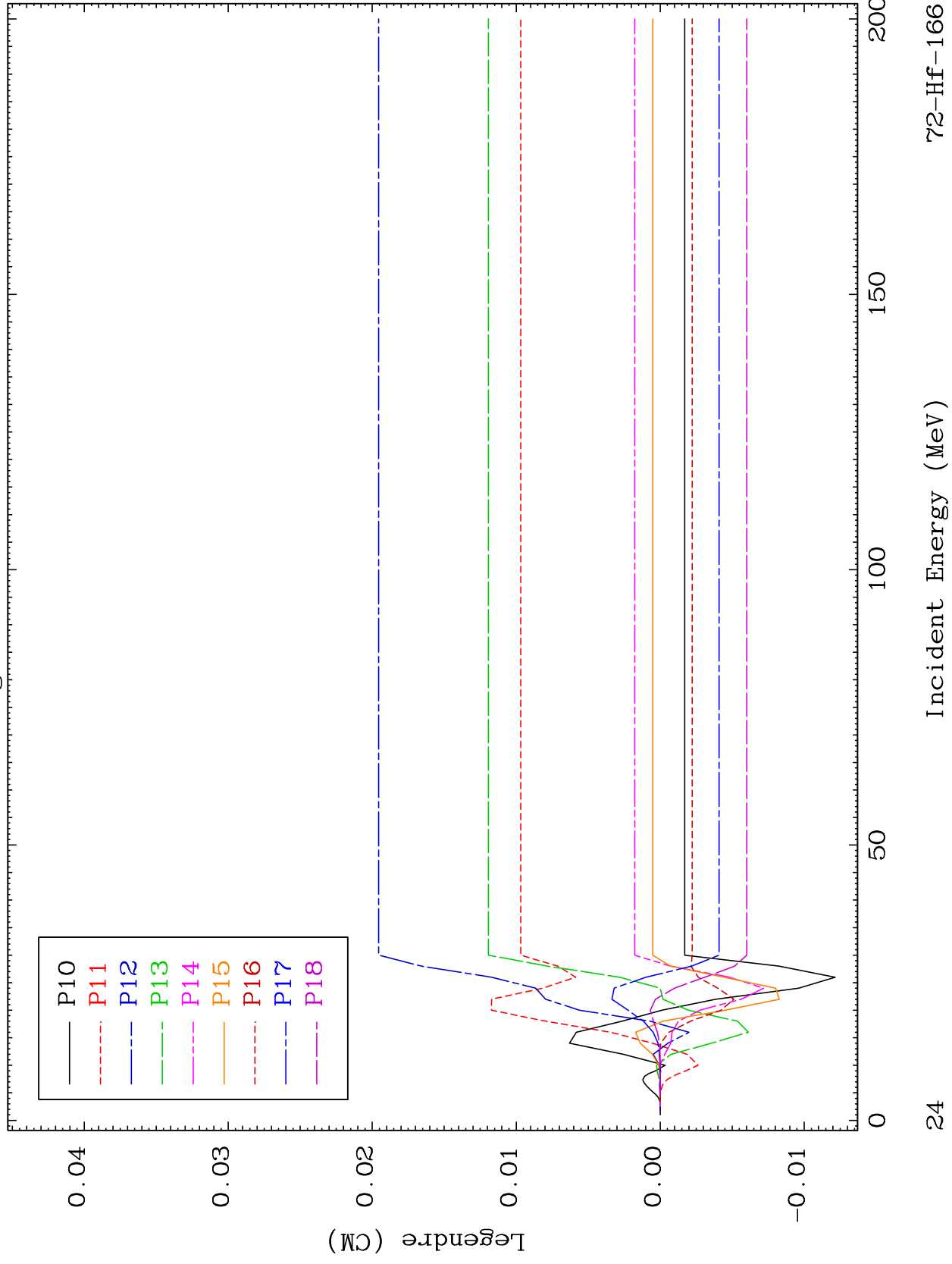




MAT 7201

MT= 52 (n,n') Level  
Legendre Coefficients

72-Hf-166



24

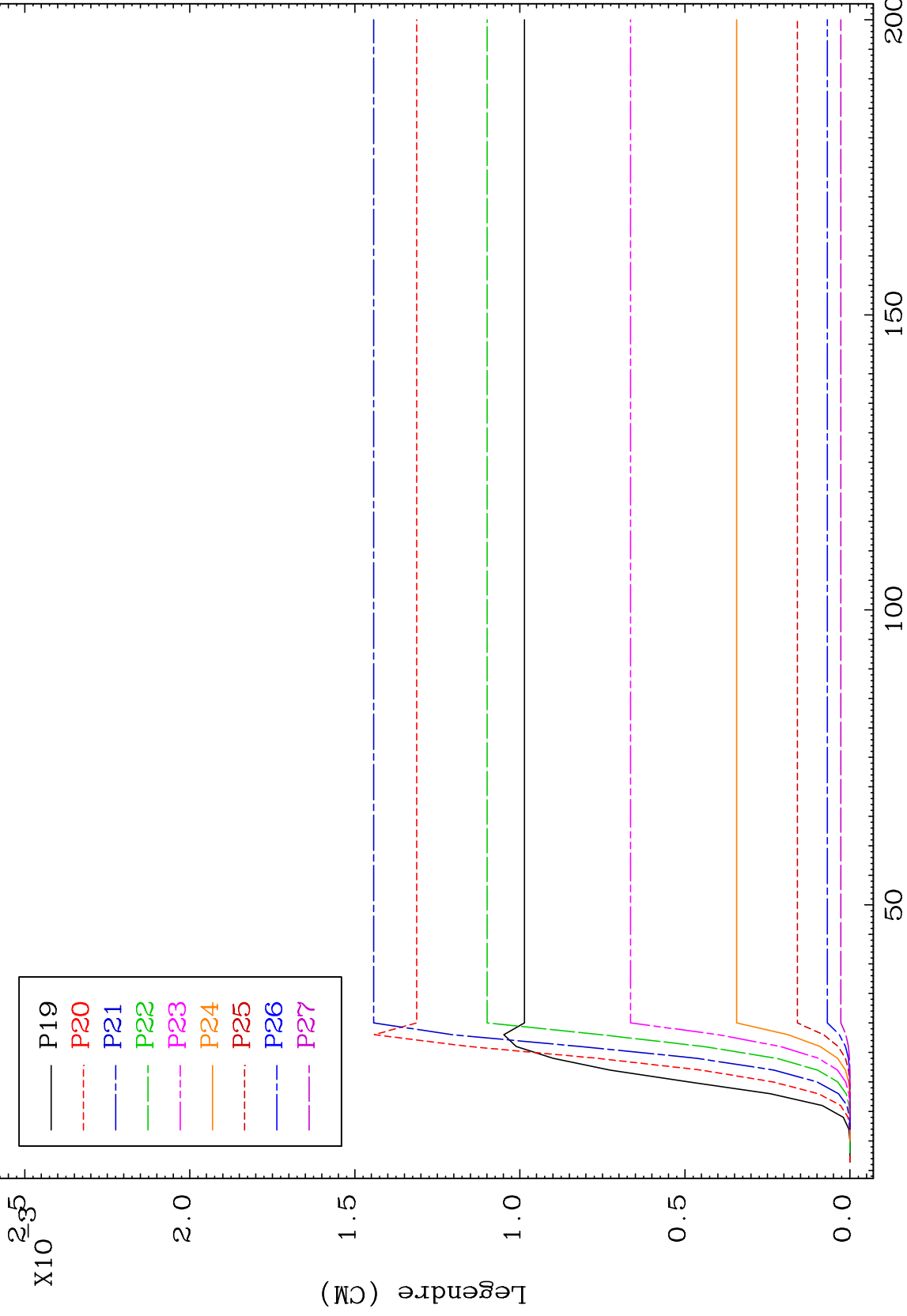
Incident Energy (MeV)

72-Hf-166

MAT 7201

MT= 52 (n,n') Level  
Legendre Coefficients

72-Hf-166



25

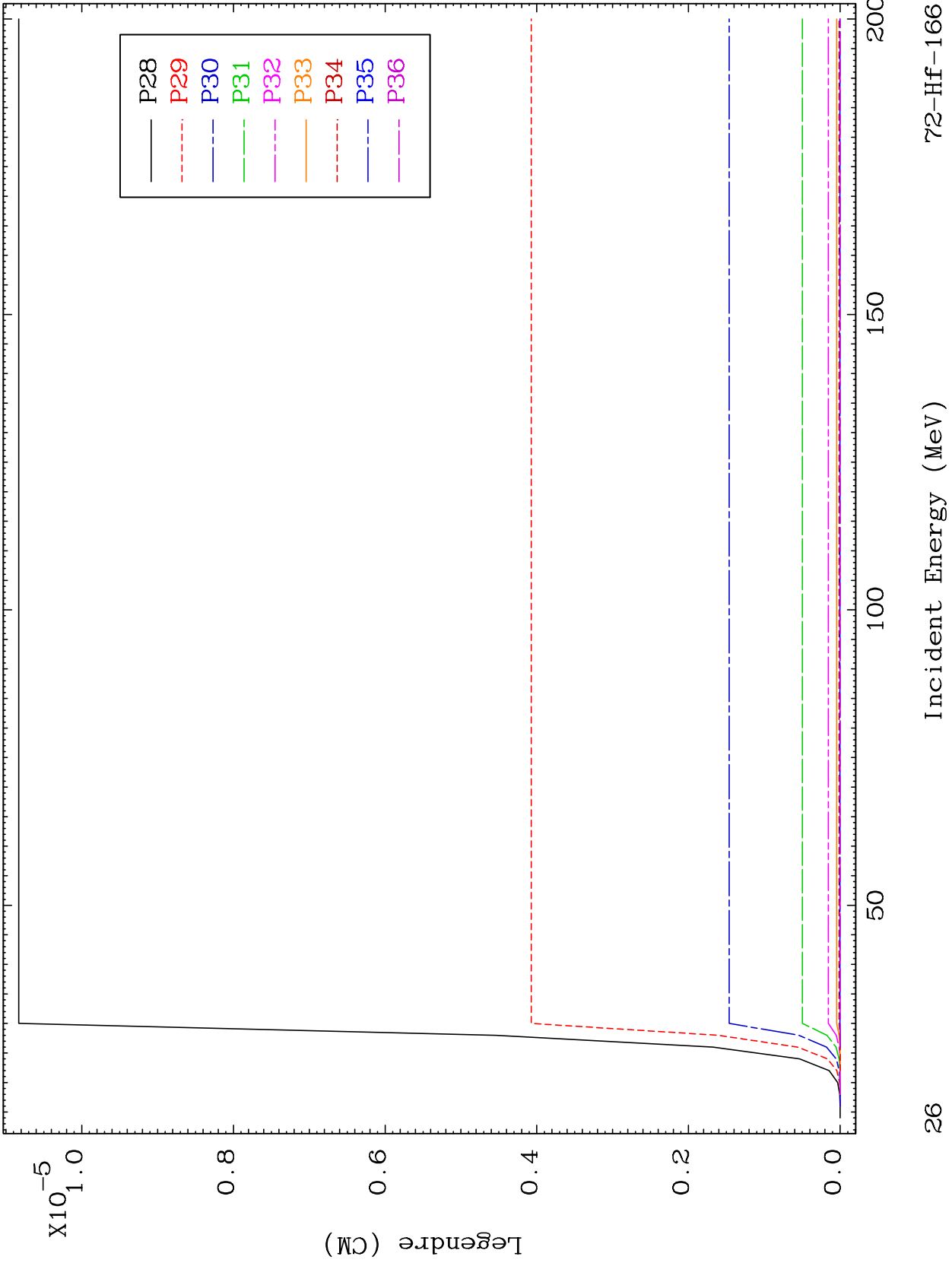
Incident Energy (MeV)

72-Hf-166

MAT 7201

MT= 52 (n,n') Level  
Legendre Coefficients

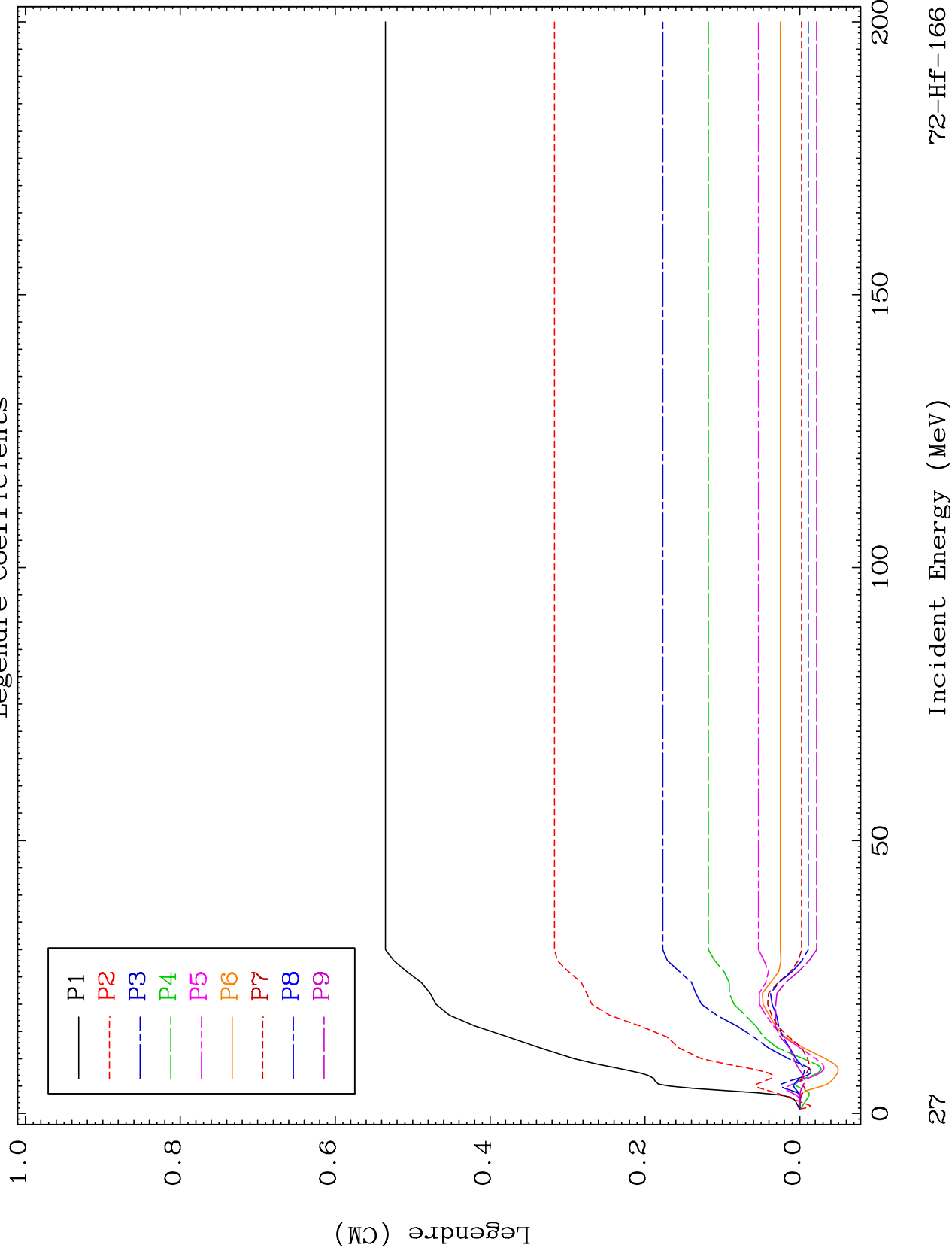
72-Hf-166



26

Incident Energy (MeV)

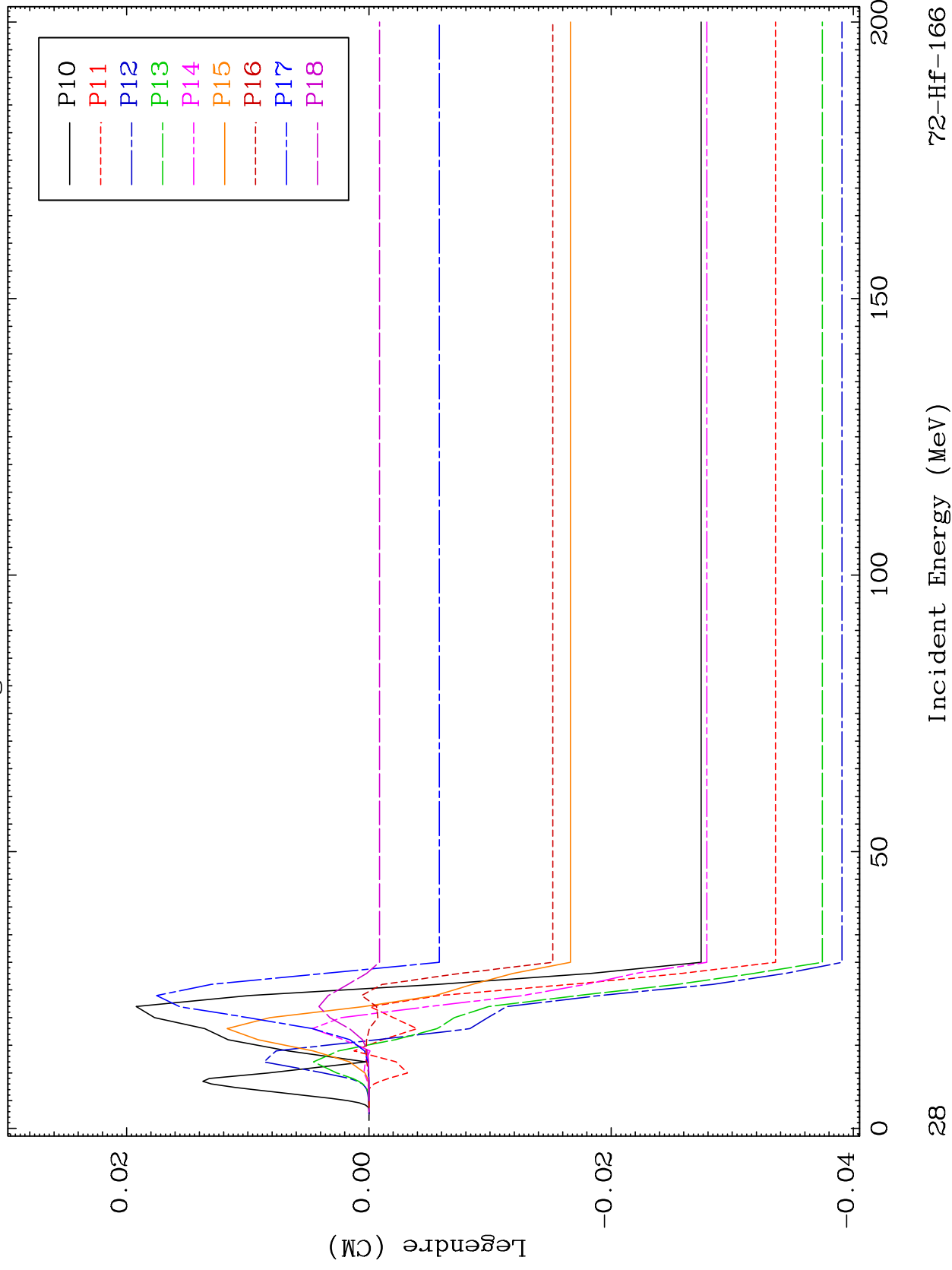
72-Hf-166



MAT 7201

MT= 53 (n,n') Level  
Legendre Coefficients

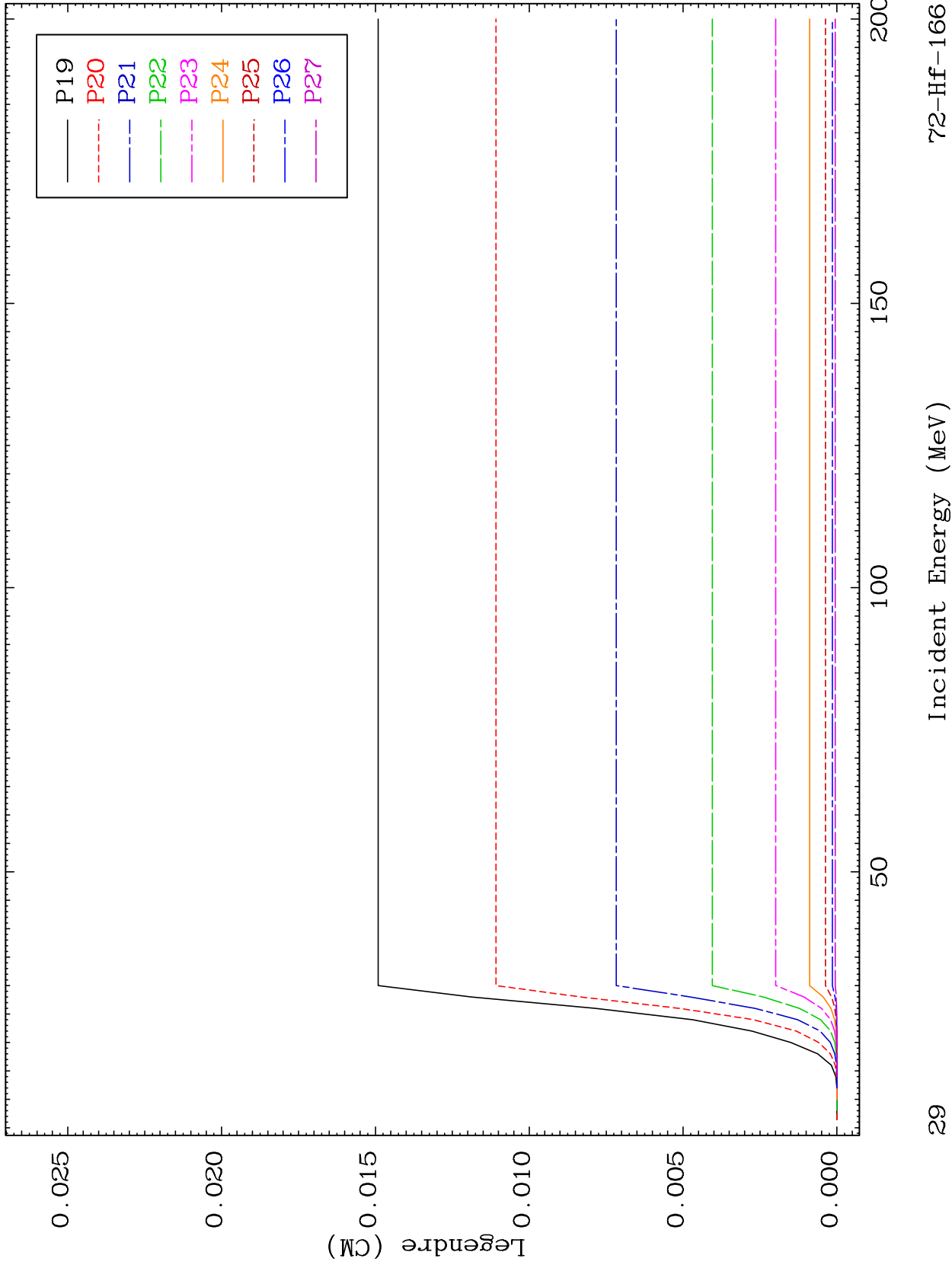
72-Hf-166



28

Incident Energy (MeV)

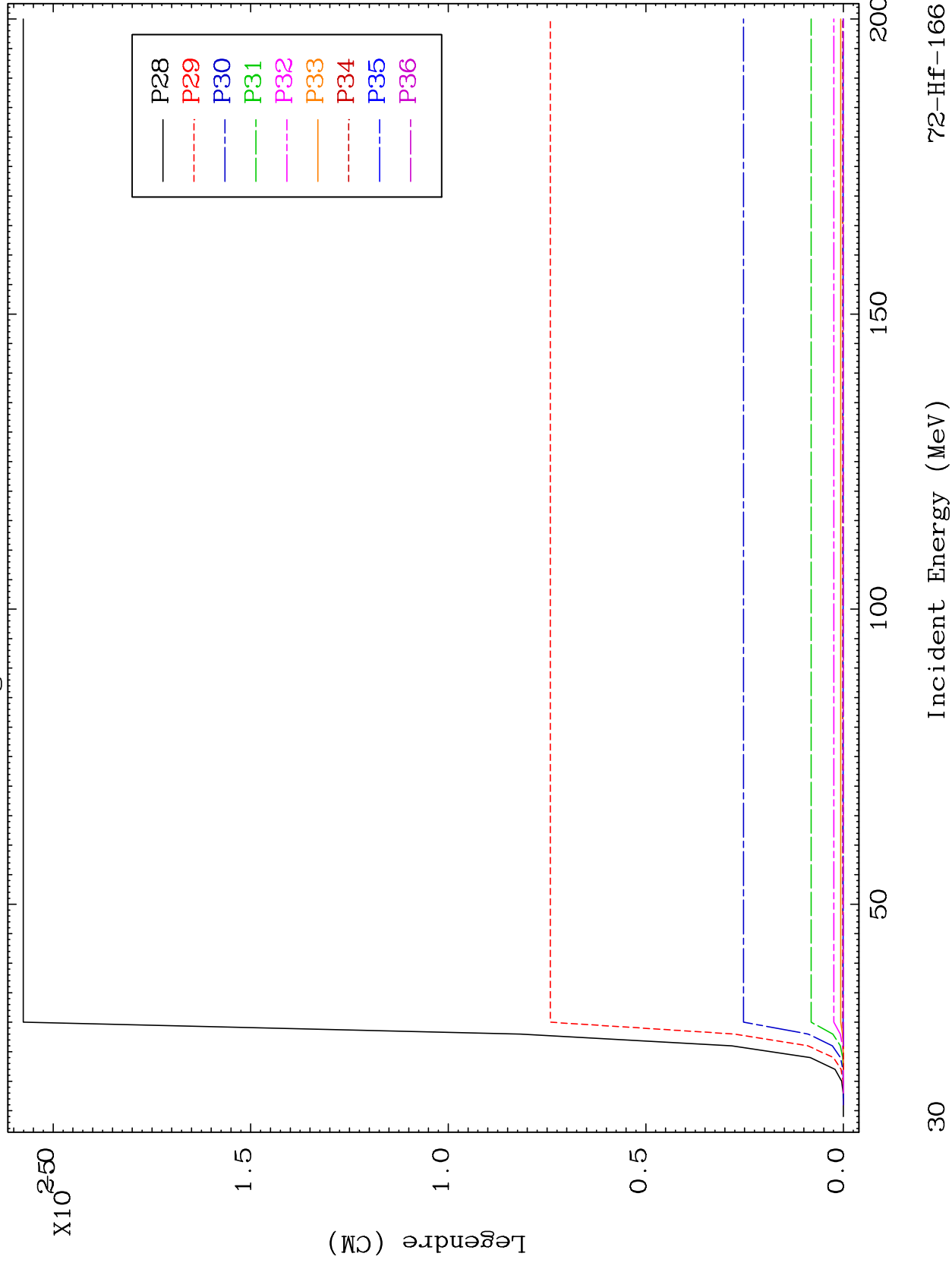
72-Hf-166



MAT 7201

MT= 53 (n,n') Level  
Legendre Coefficients

72-Hf-166



30

50

100

150

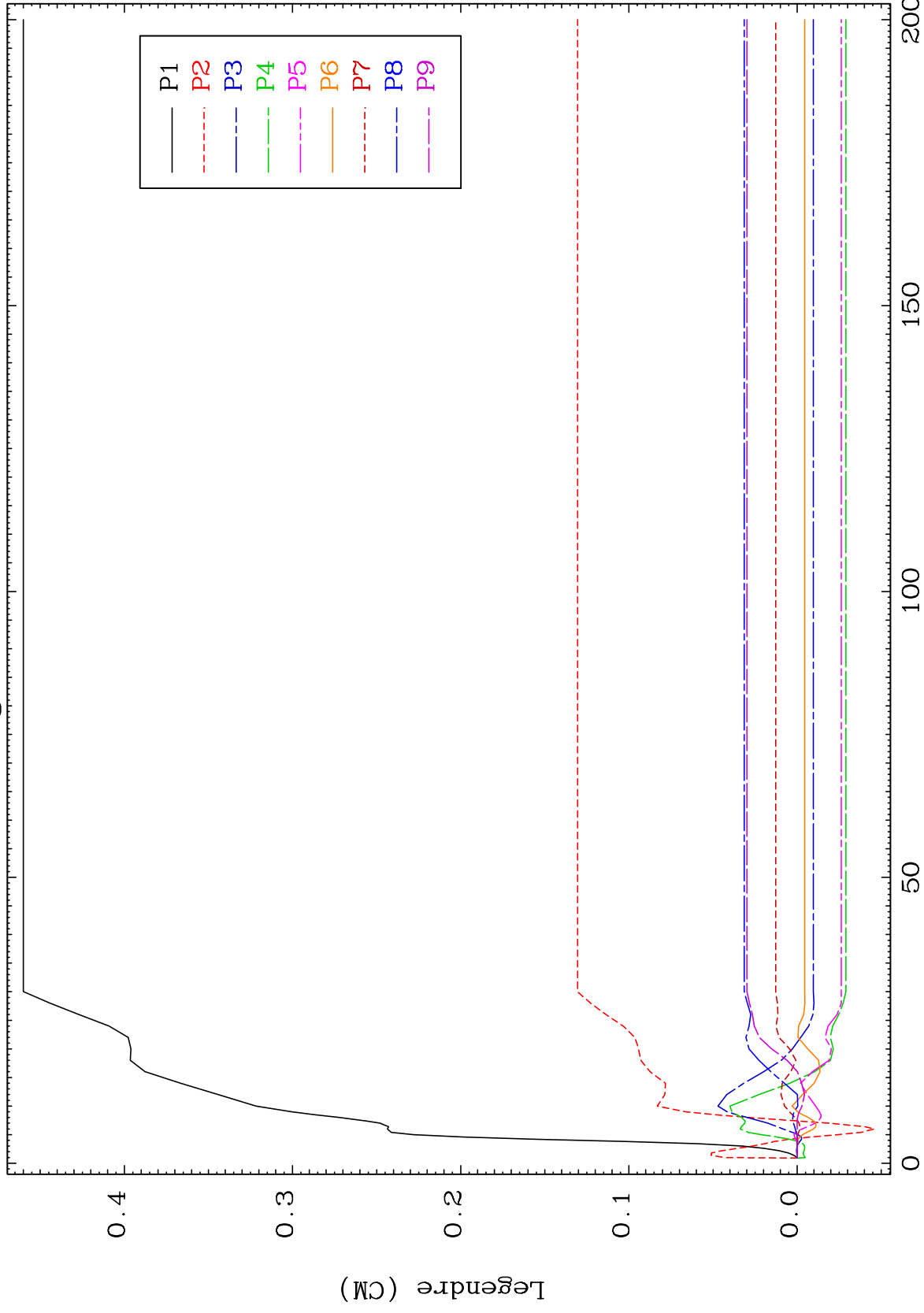
200

MAT 7201

MT= 54 (n,n') Level

72-Hf-166

Legendre Coefficients



31

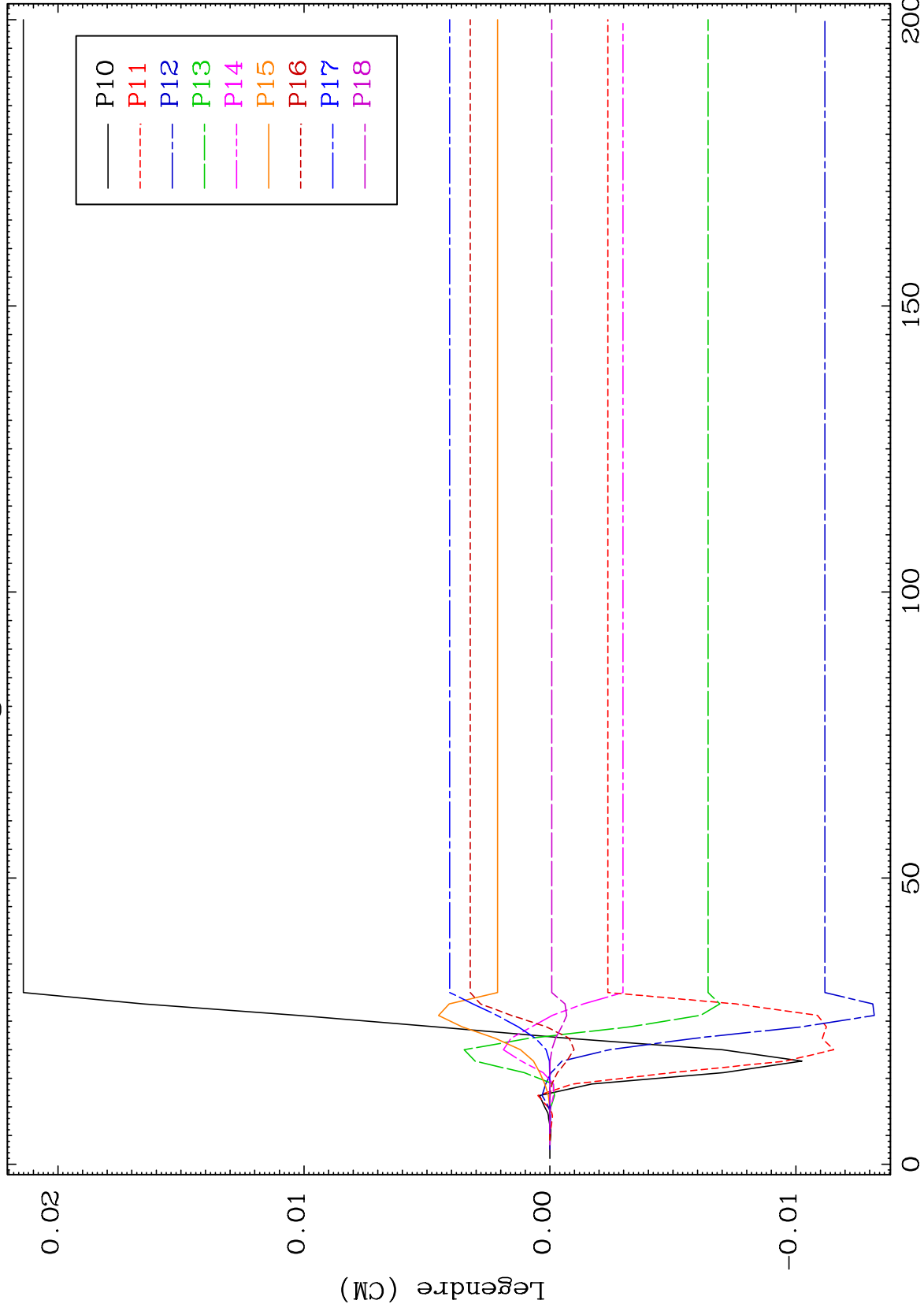
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MAT 7201

MT= 54 (n,n') Level  
Legendre Coefficients

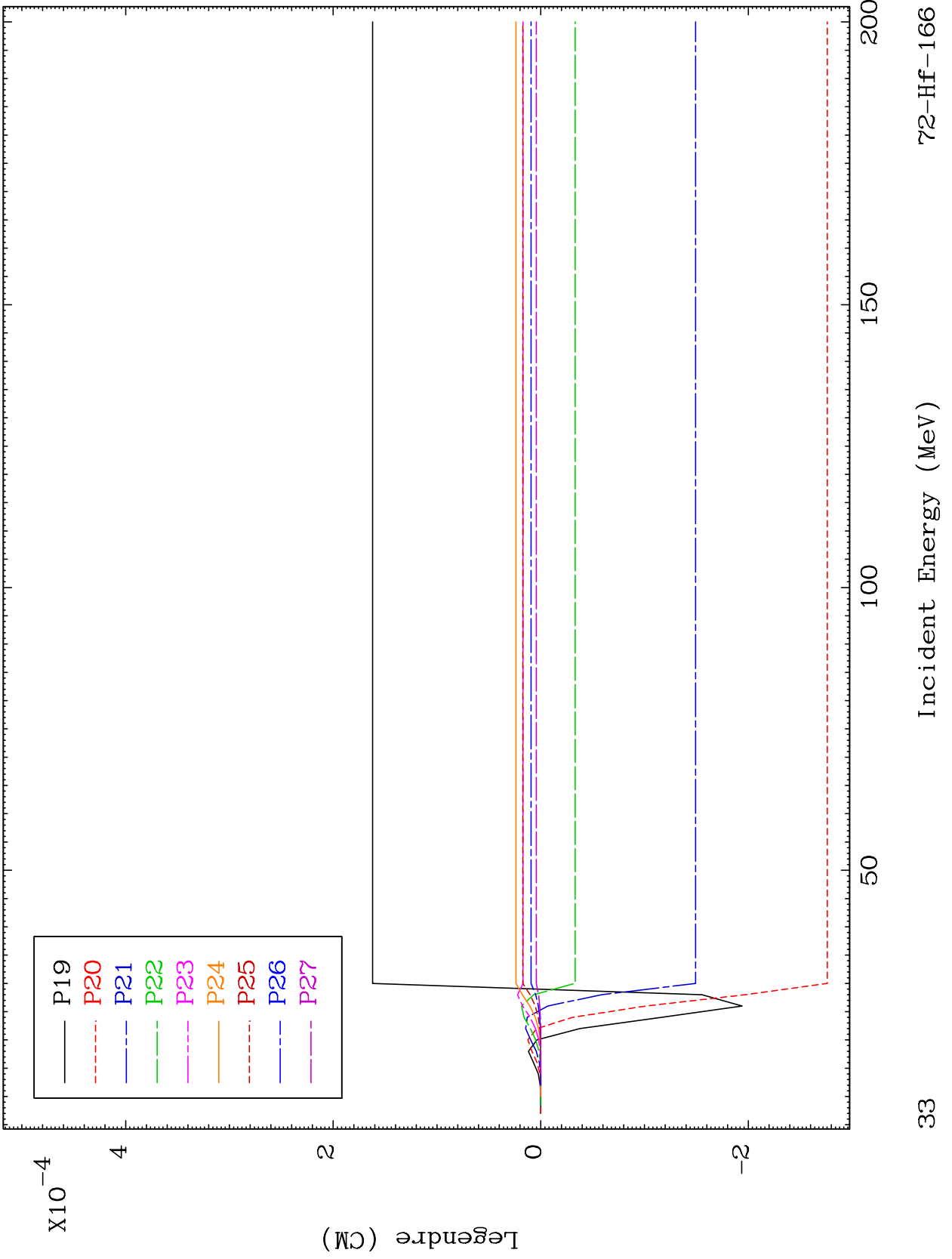
72-Hf-166



32

Incident Energy (MeV)

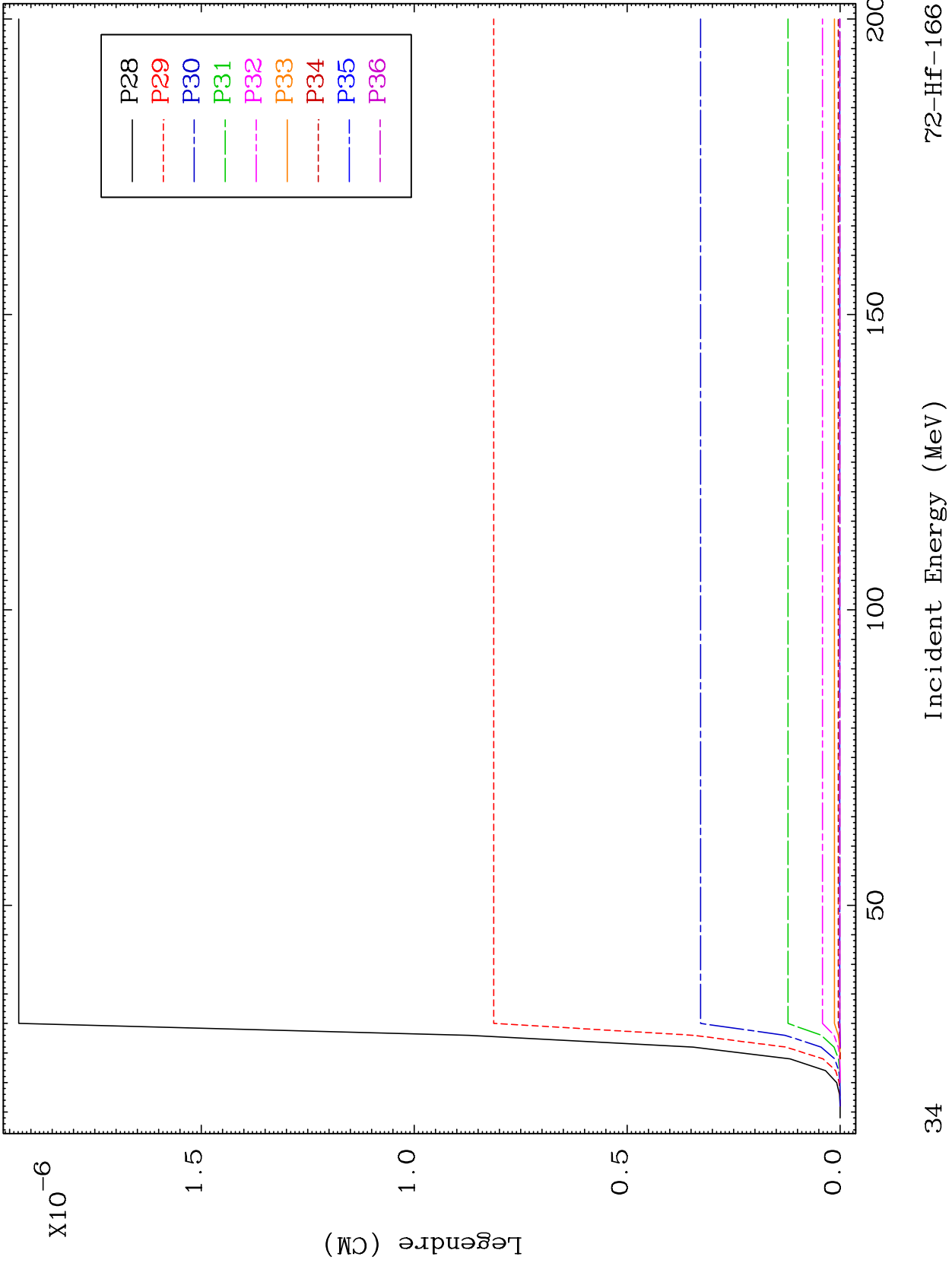
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MAT 7201

MT= 54 (n,n') Level  
Legendre Coefficients

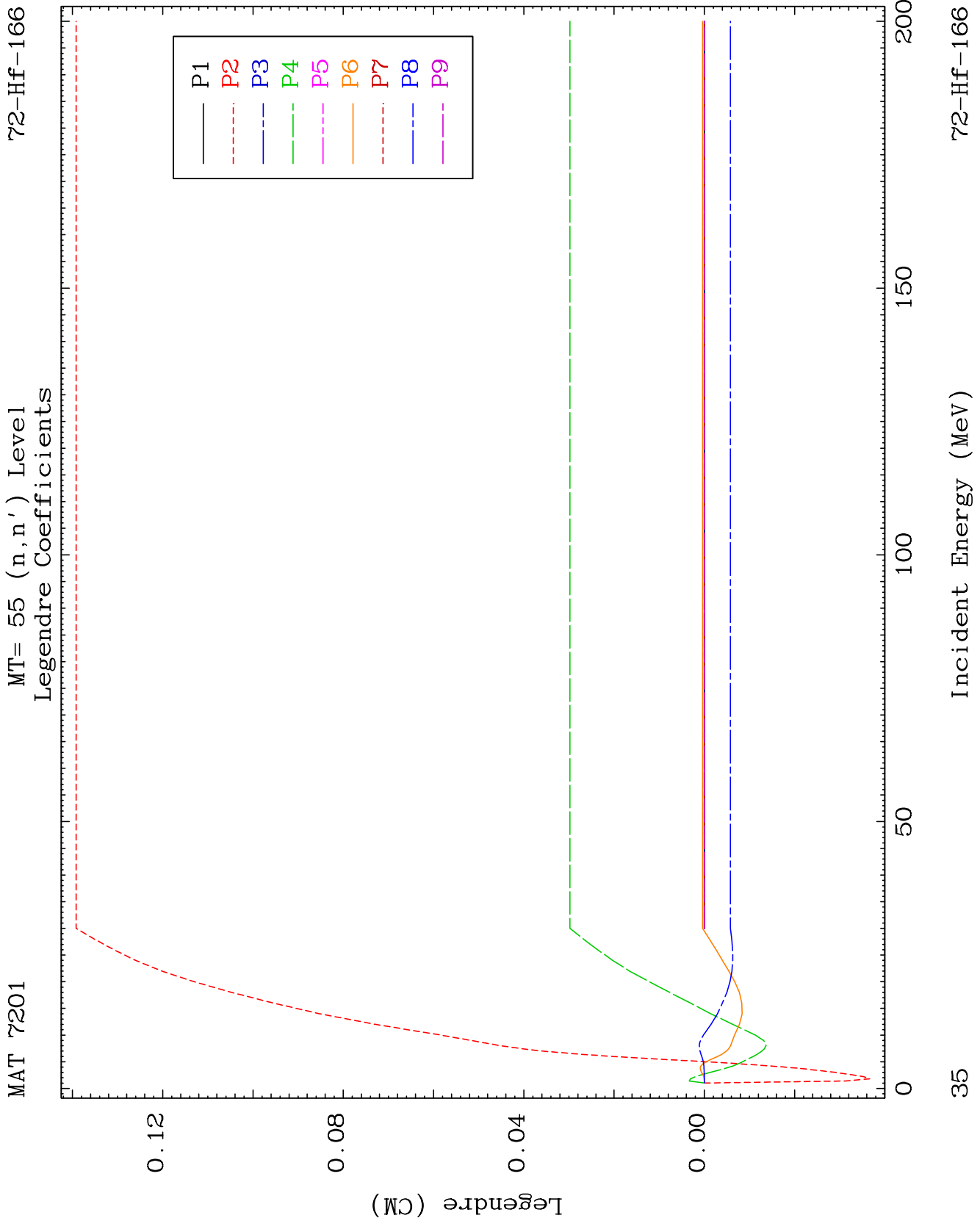
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34

Incident Energy (MeV)

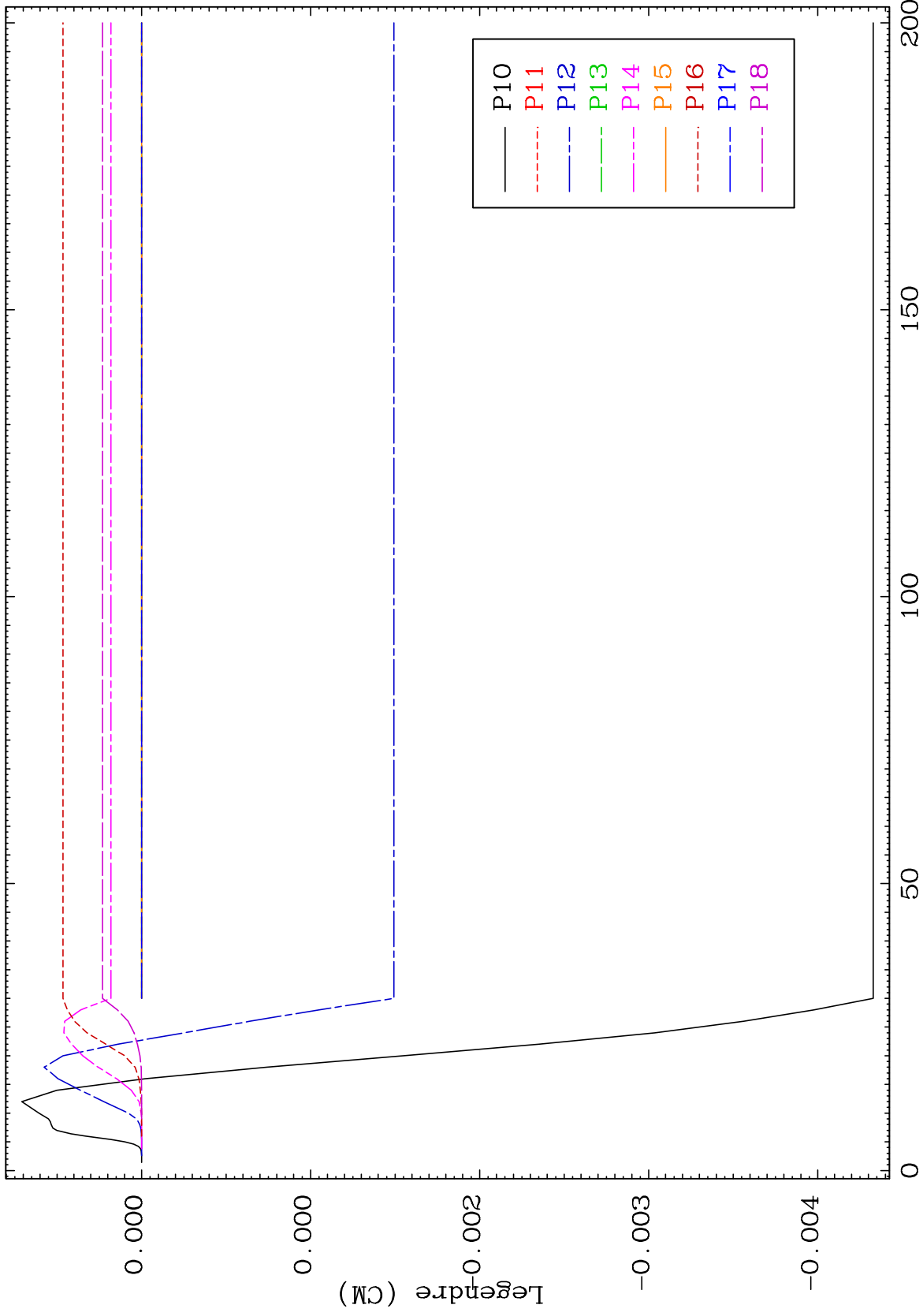
72-Hf-166



MAT 7201

MT= 55 (n,n') Level  
Legendre Coefficients

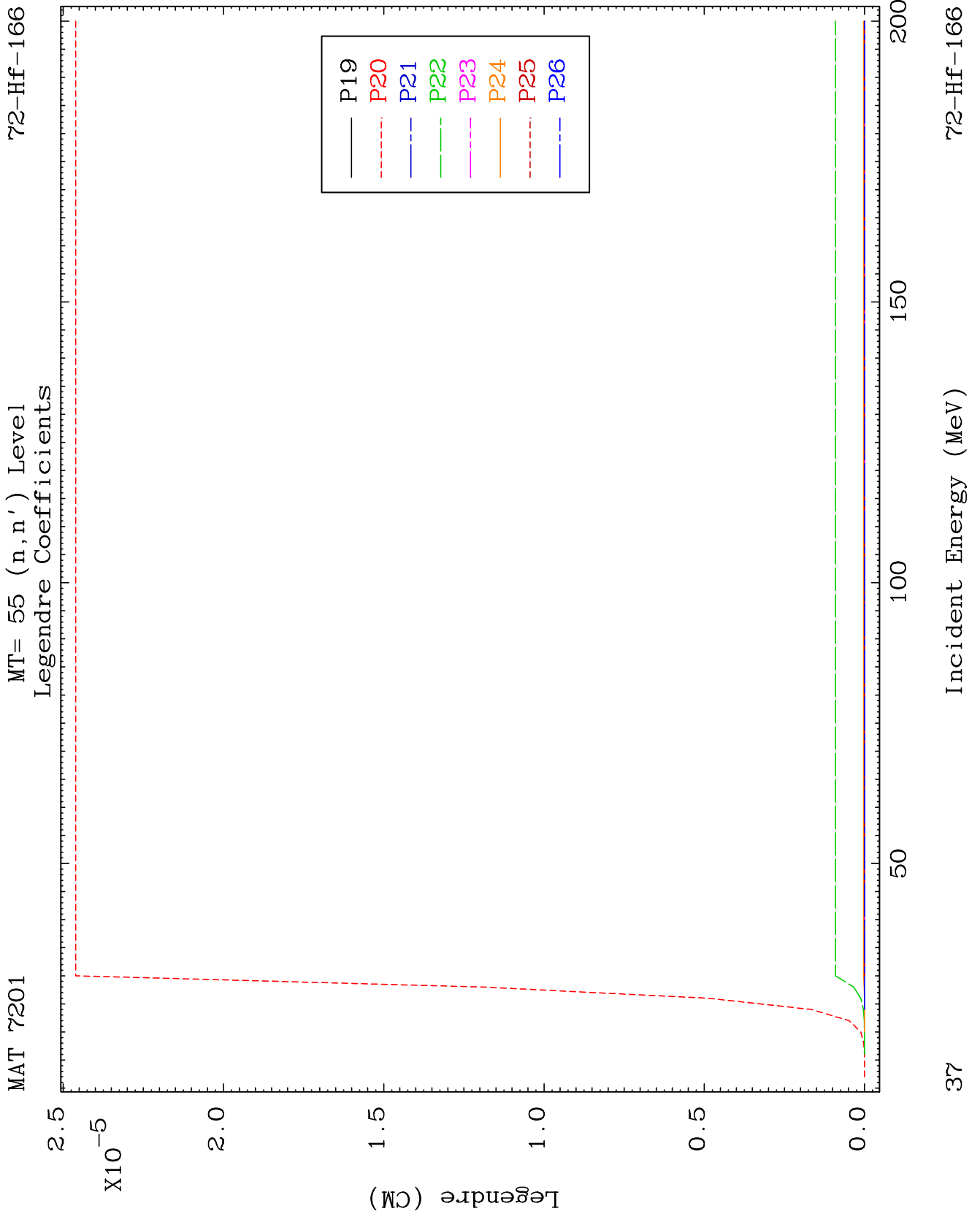
72-Hf-166



36

Incident Energy (MeV)

72-Hf-166

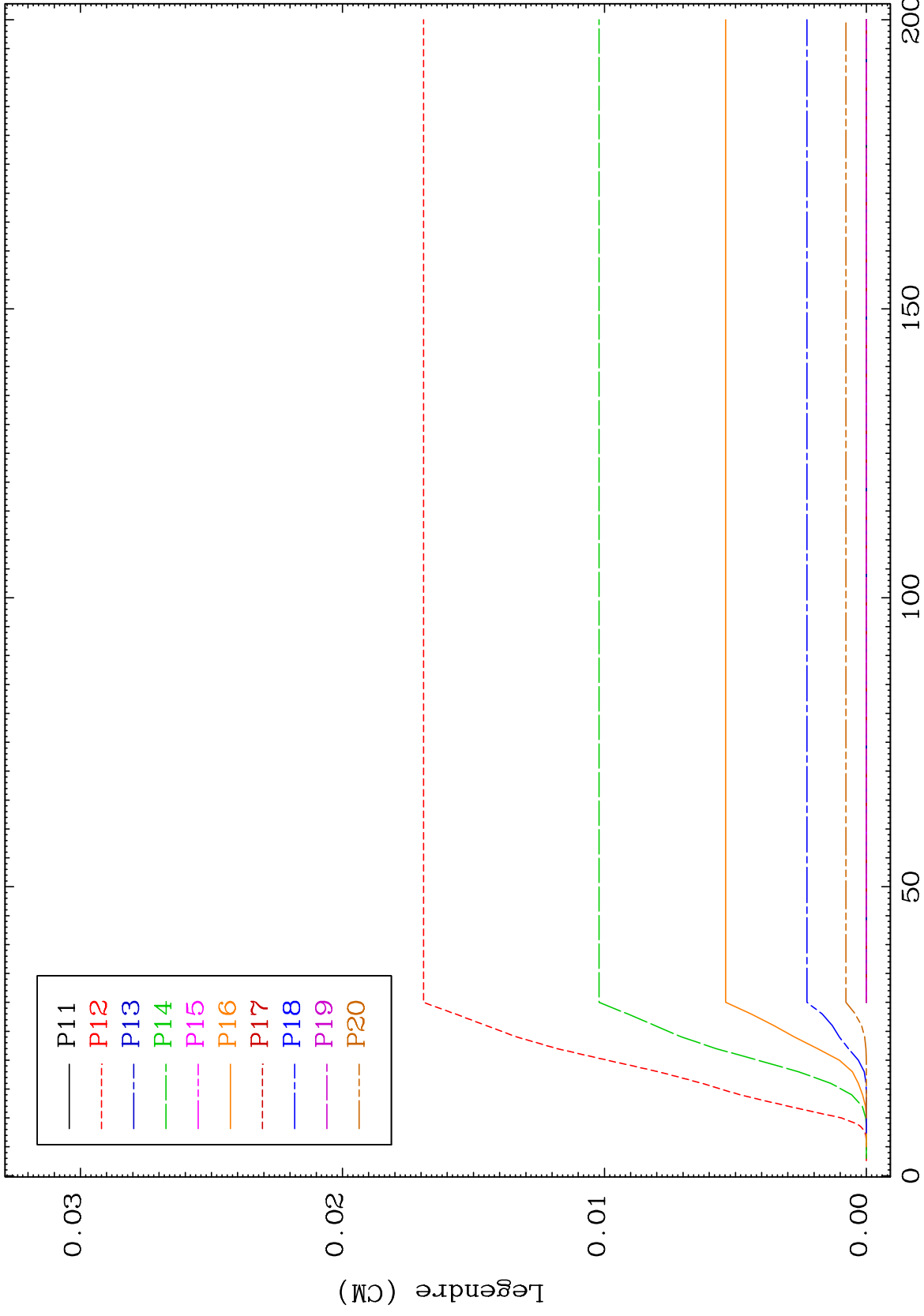




MAT 7201

MT= 56 (n,n') Level  
Legendre Coefficients

72-Hf-166

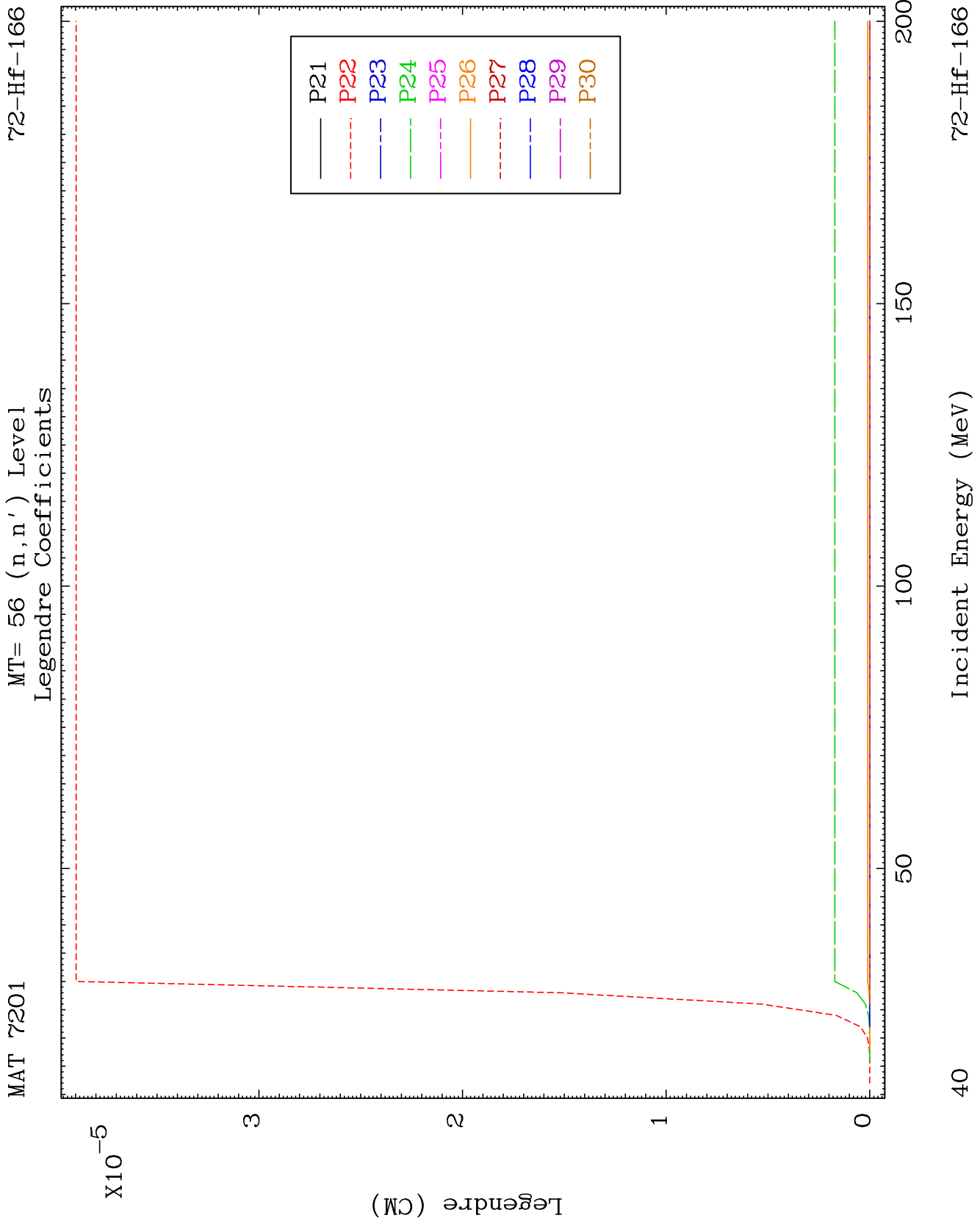


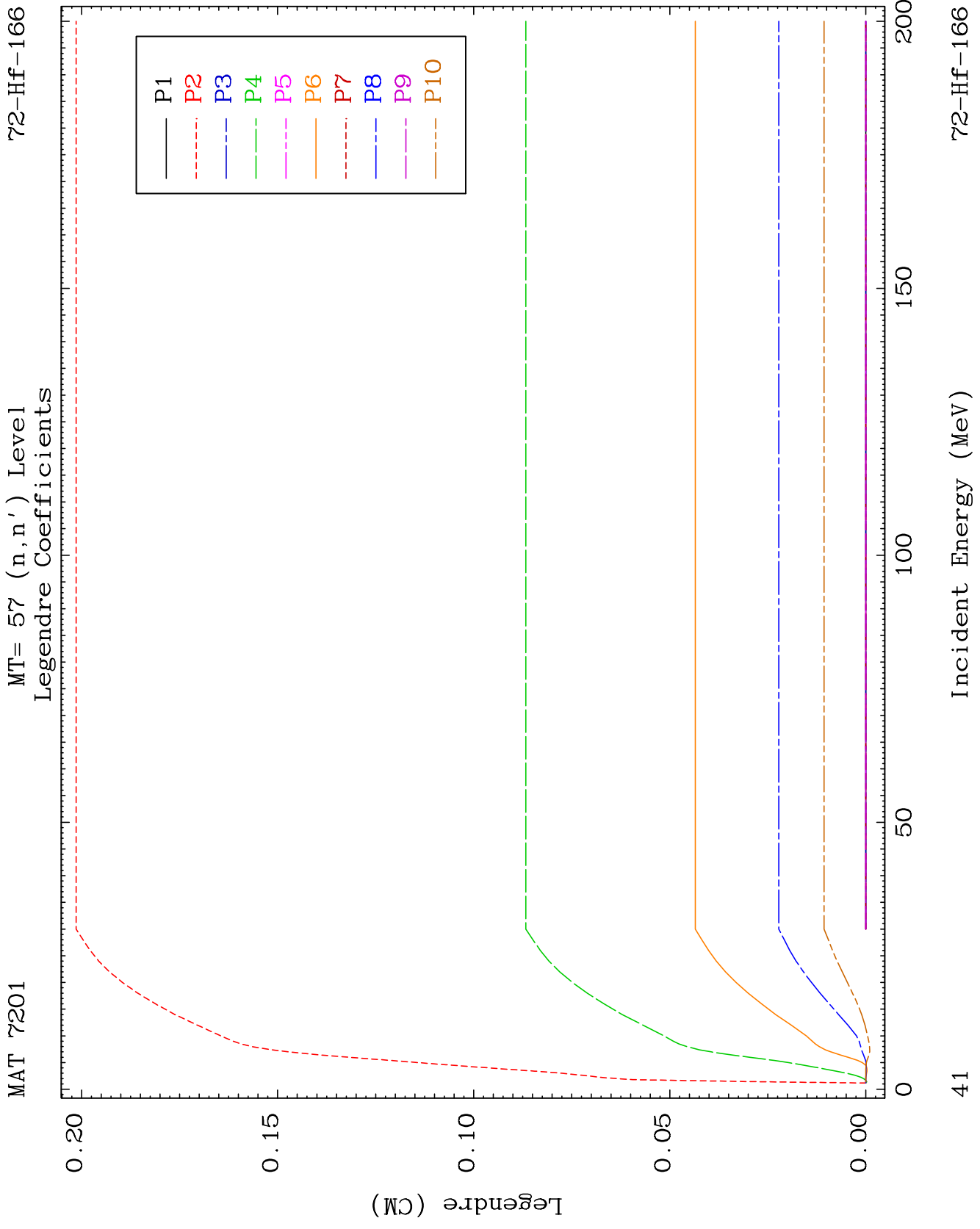
39

Incident Energy (MeV)

72-Hf-166



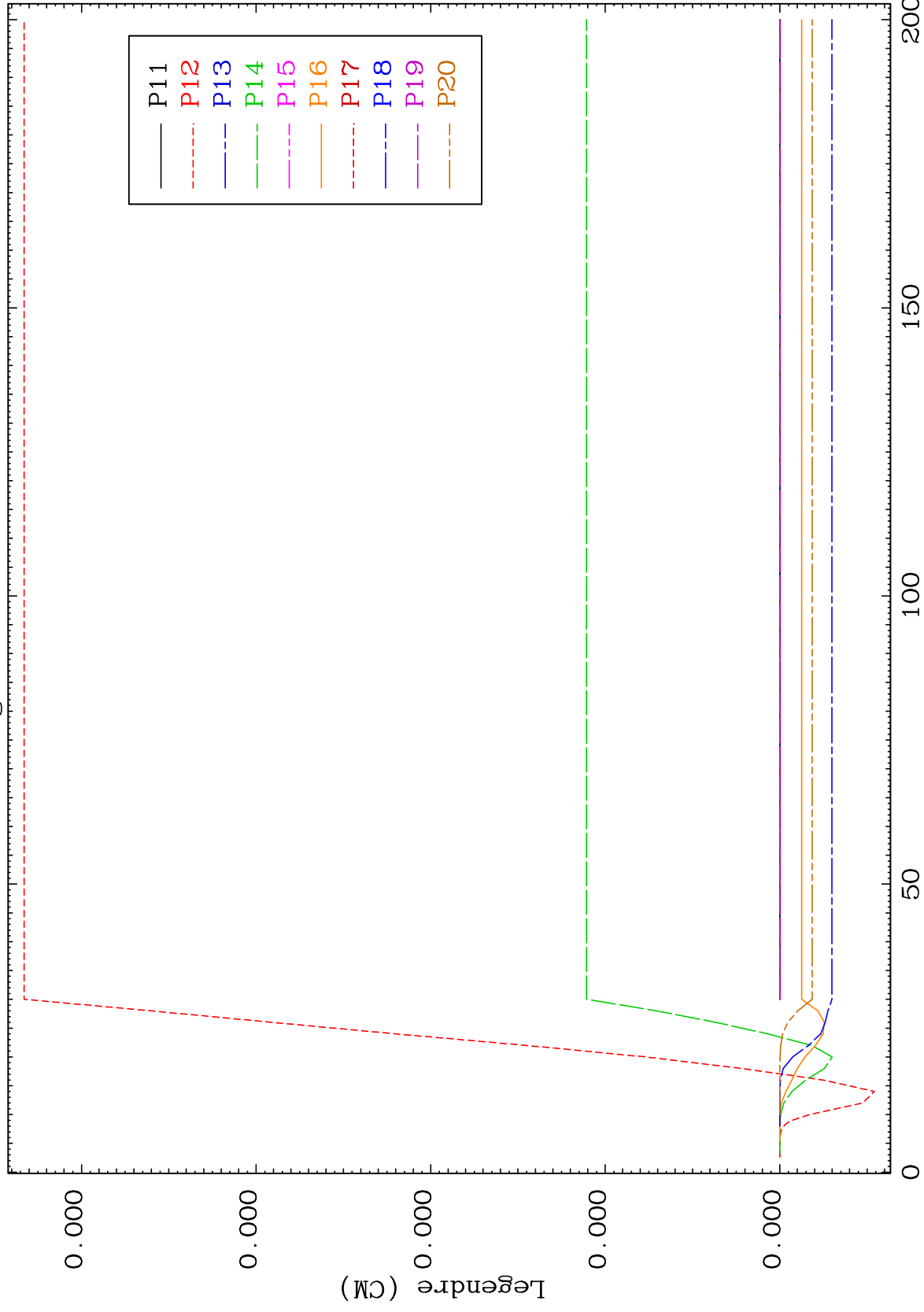




MAT 7201

MT= 57 (n,n') Level  
Legendre Coefficients

72-Hf-166

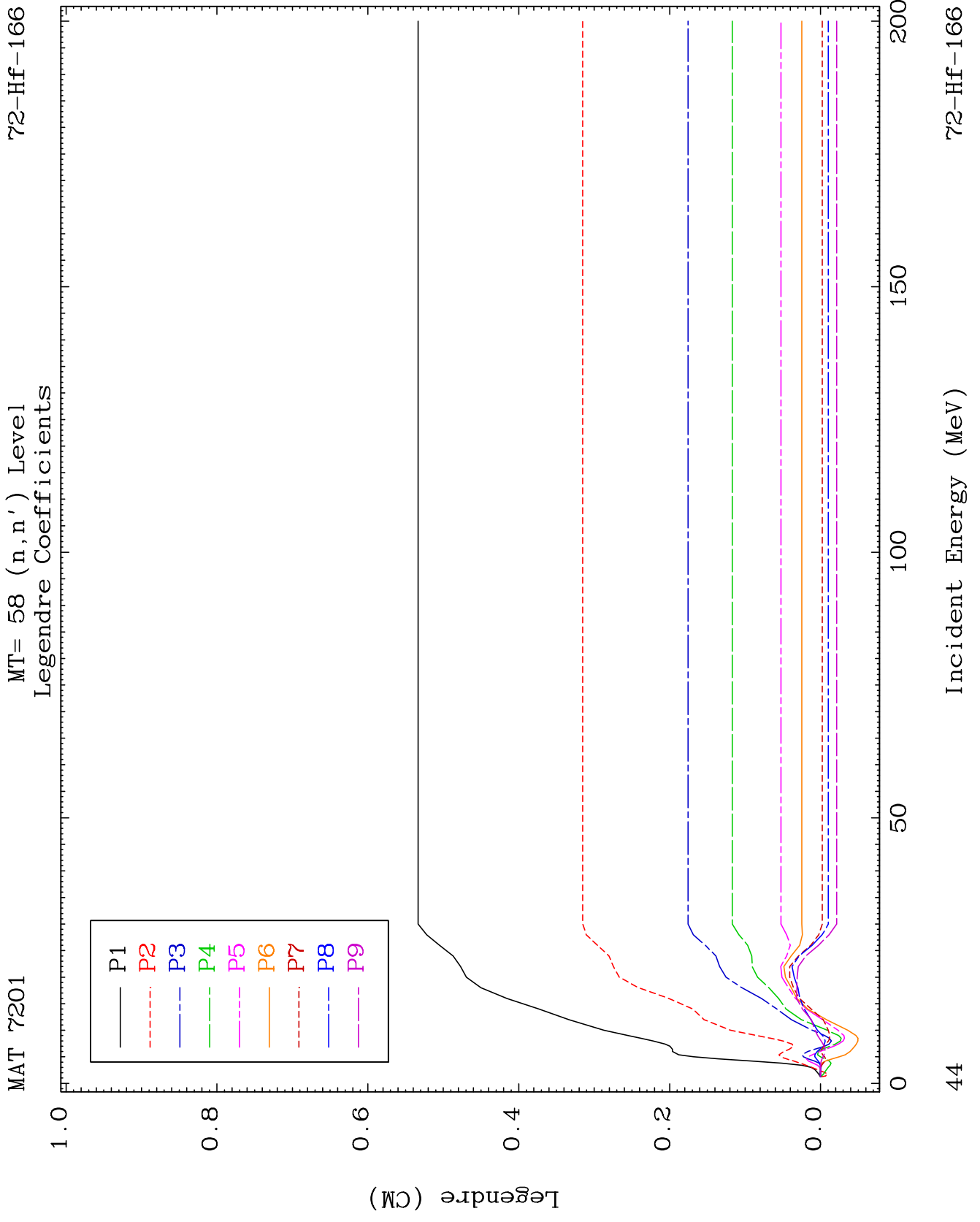


42

Incident Energy (MeV)

72-Hf-166

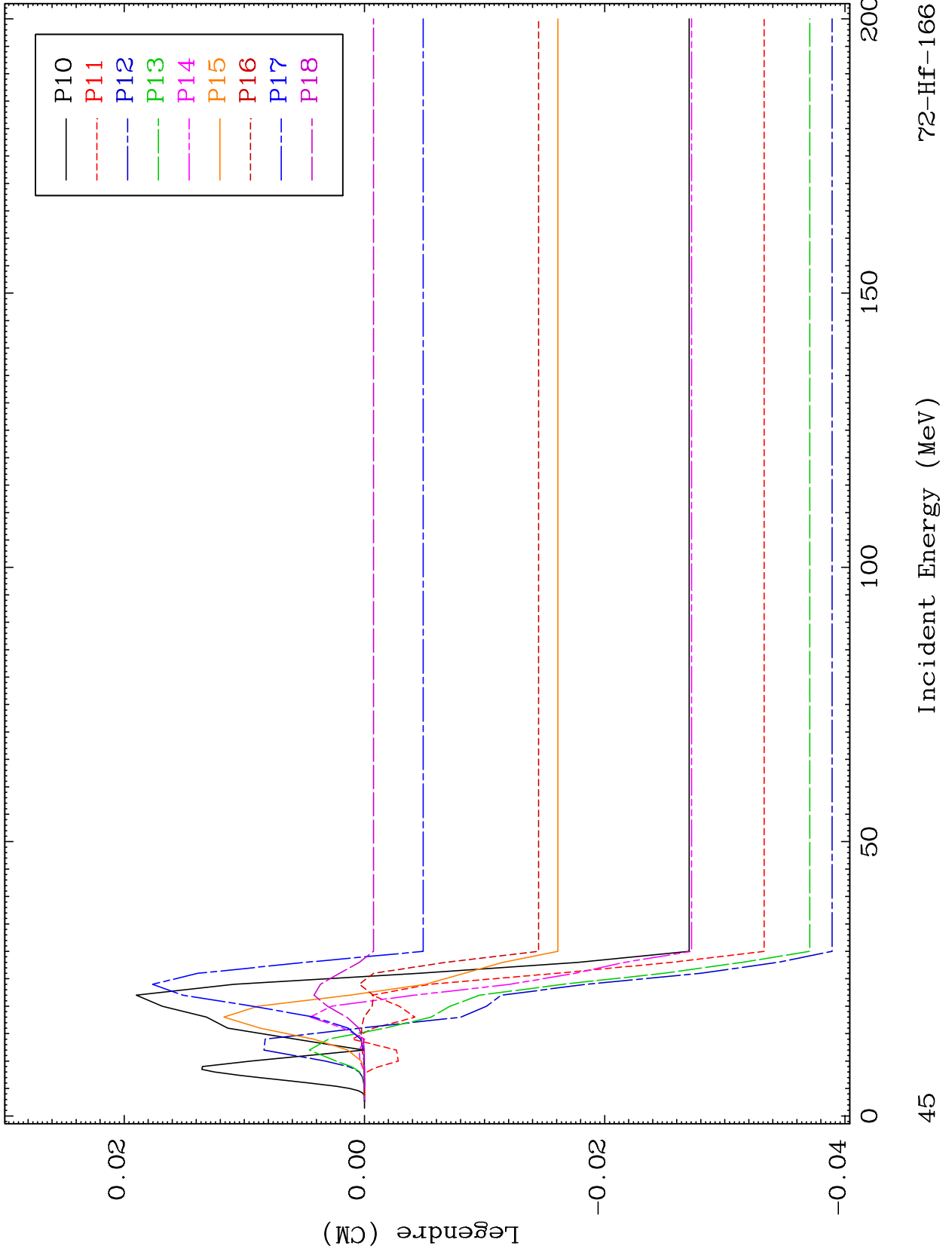




MAT 7201

MT= 58 (n,n') Level  
Legendre Coefficients

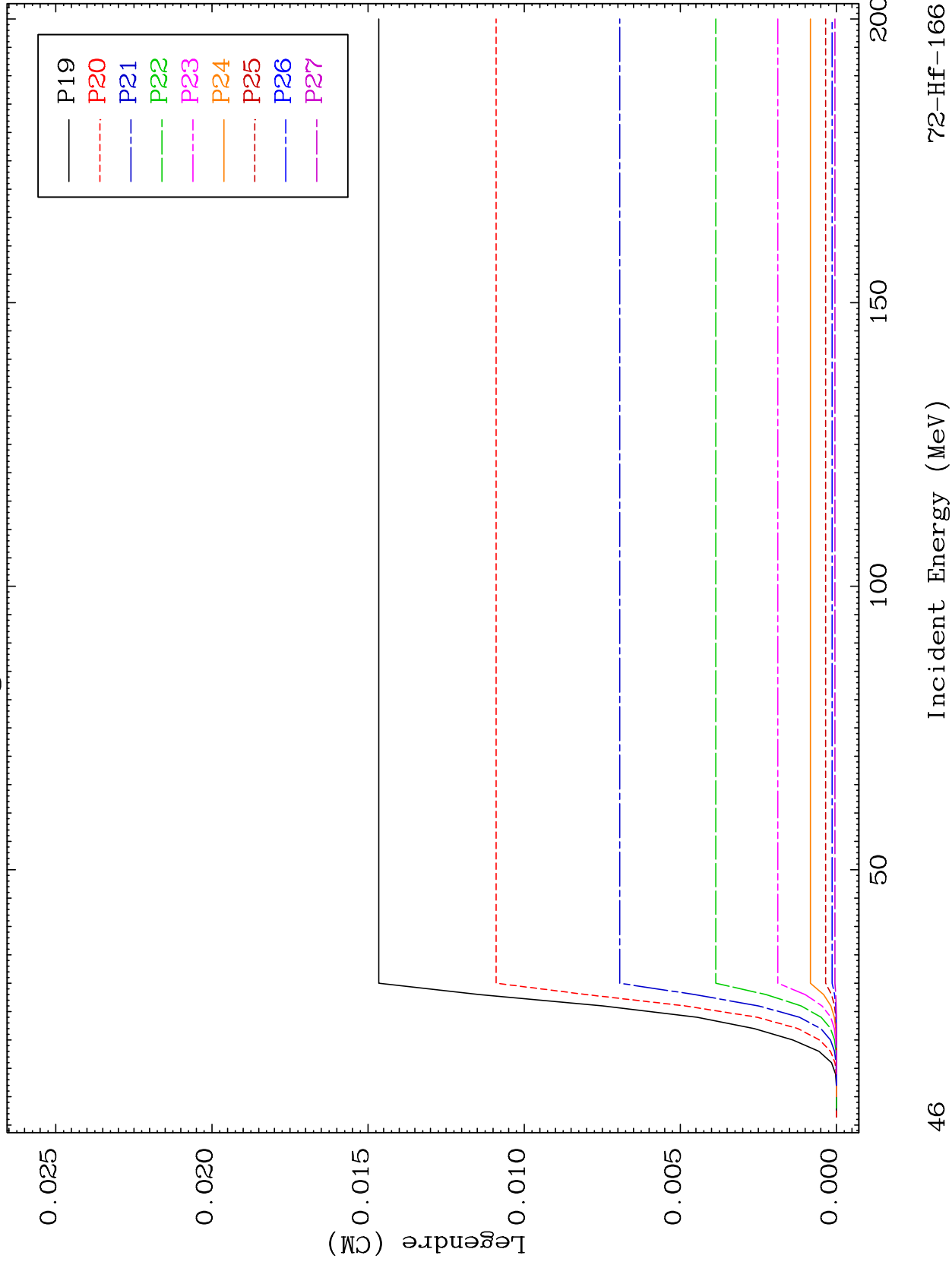
72-Hf-166



MAT 7201

MT= 58 (n,n') Level  
Legendre Coefficients

72-Hf-166



46

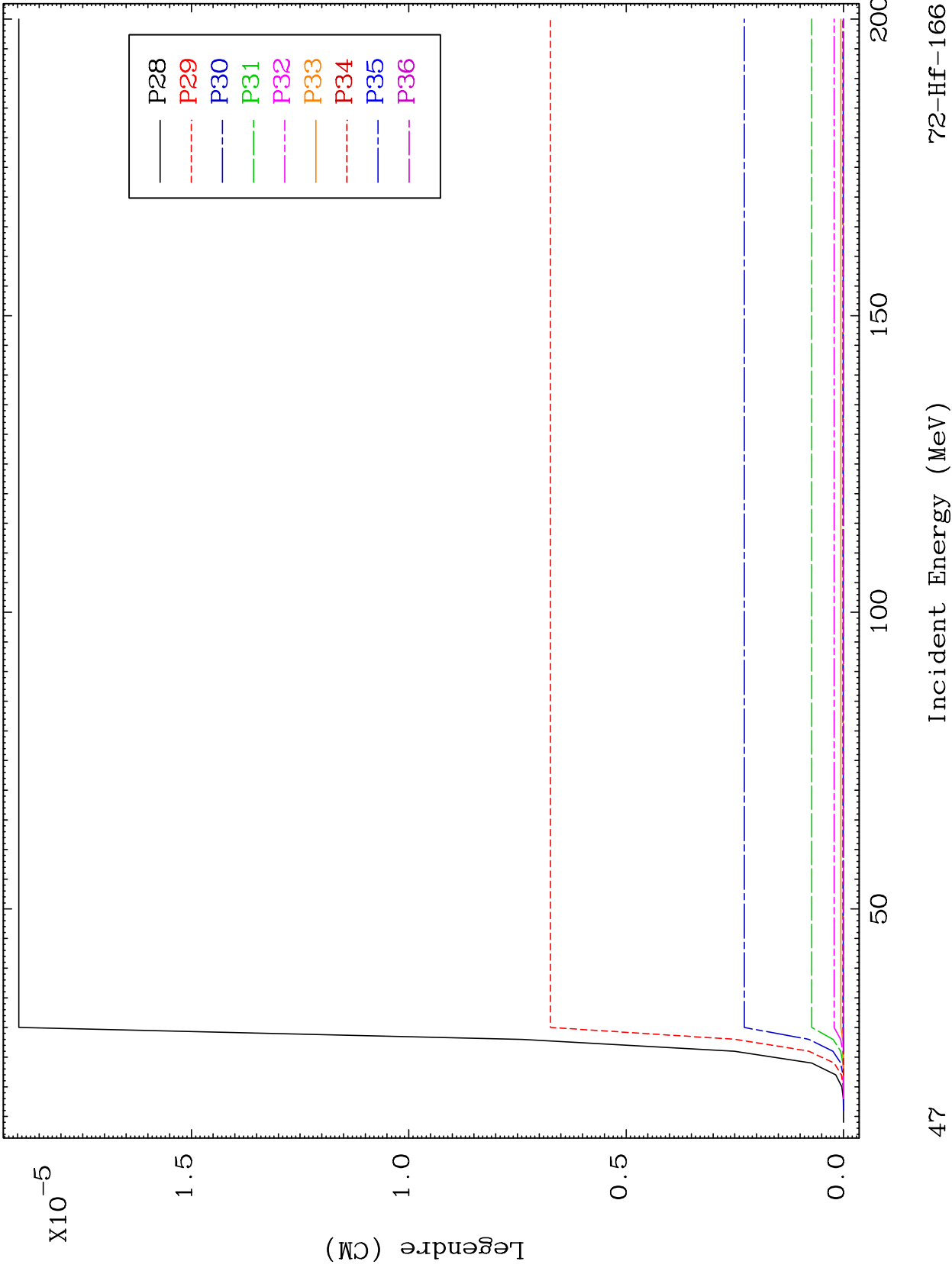
Incident Energy (MeV)

72-Hf-166

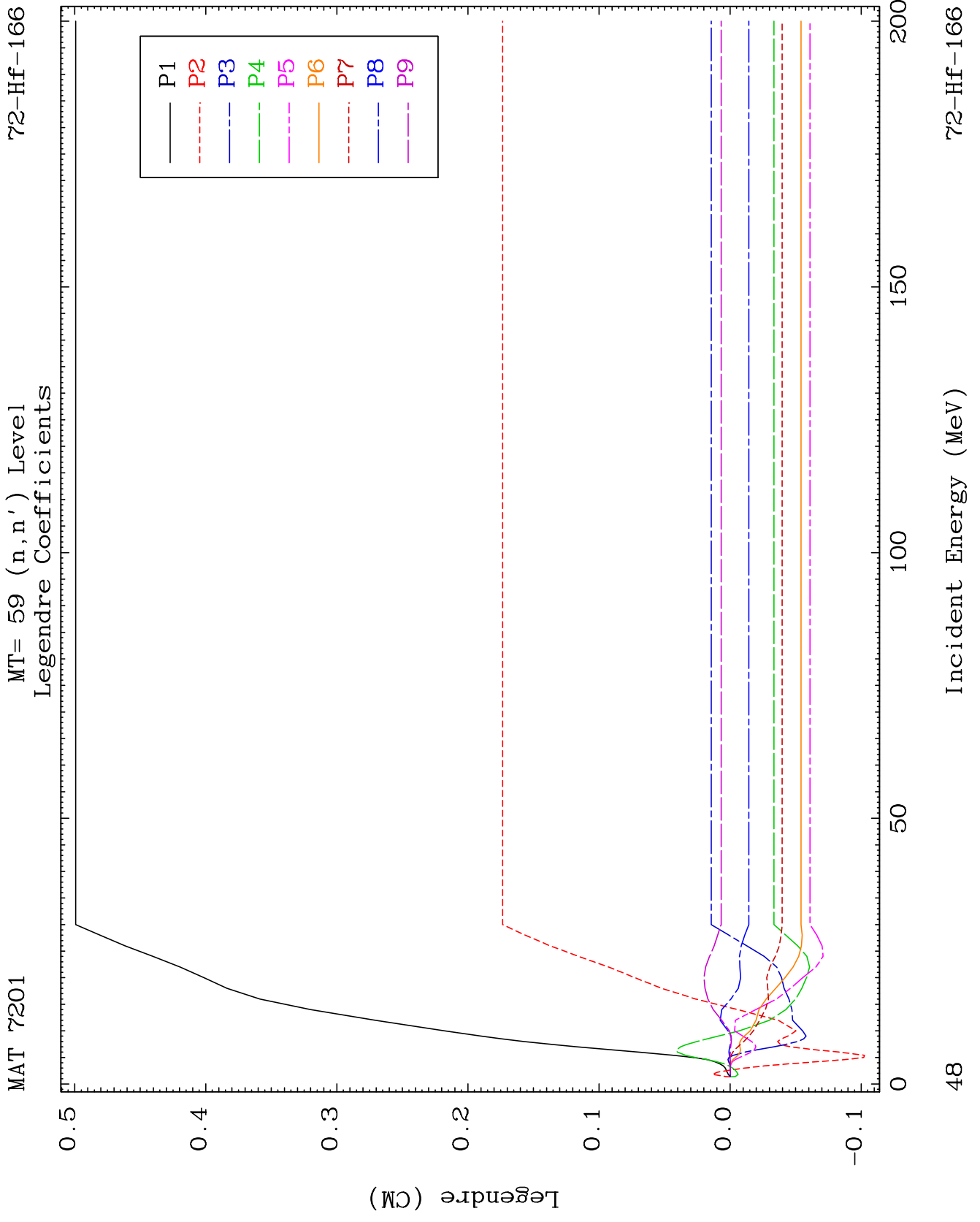
MAT 7201

MT= 58 (n,n') Level  
Legendre Coefficients

72-Hf-166



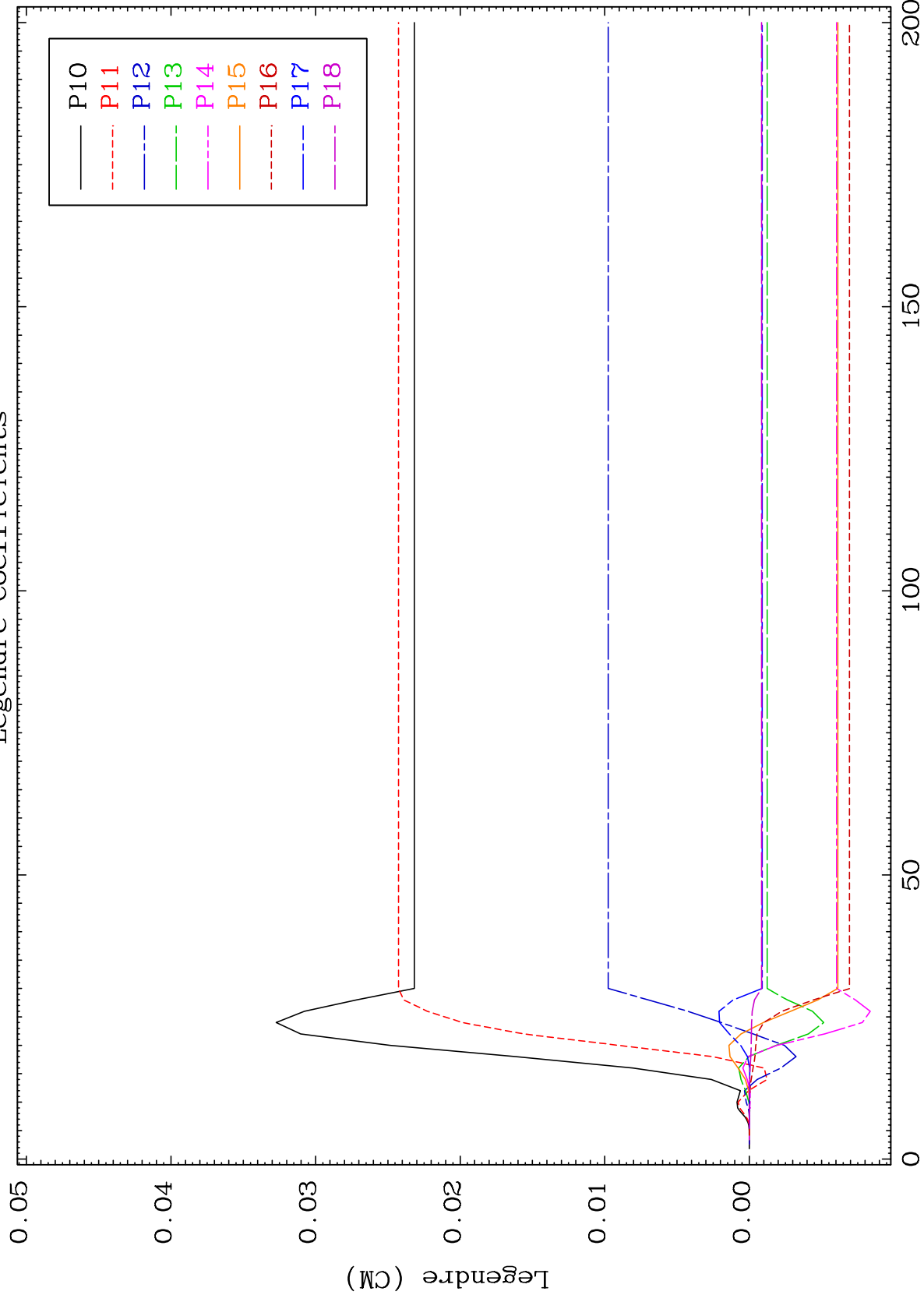




MAT 7201

MT= 59 (n,n') Level  
Legendre Coefficients

72-Hf-166



49

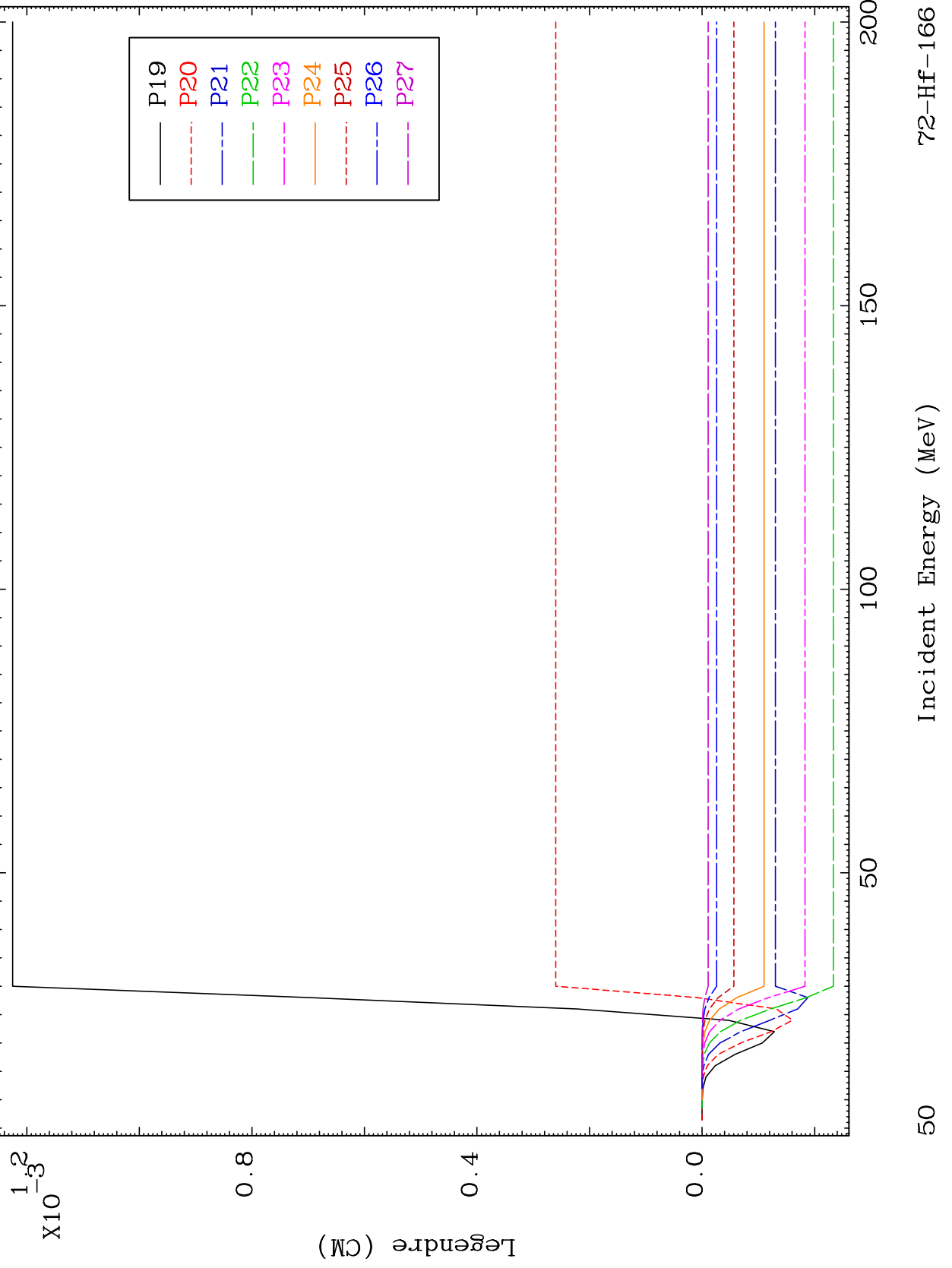
Incident Energy (MeV)

72-Hf-166

MAT 7201

MT= 59 (n,n') Level  
Legendre Coefficients

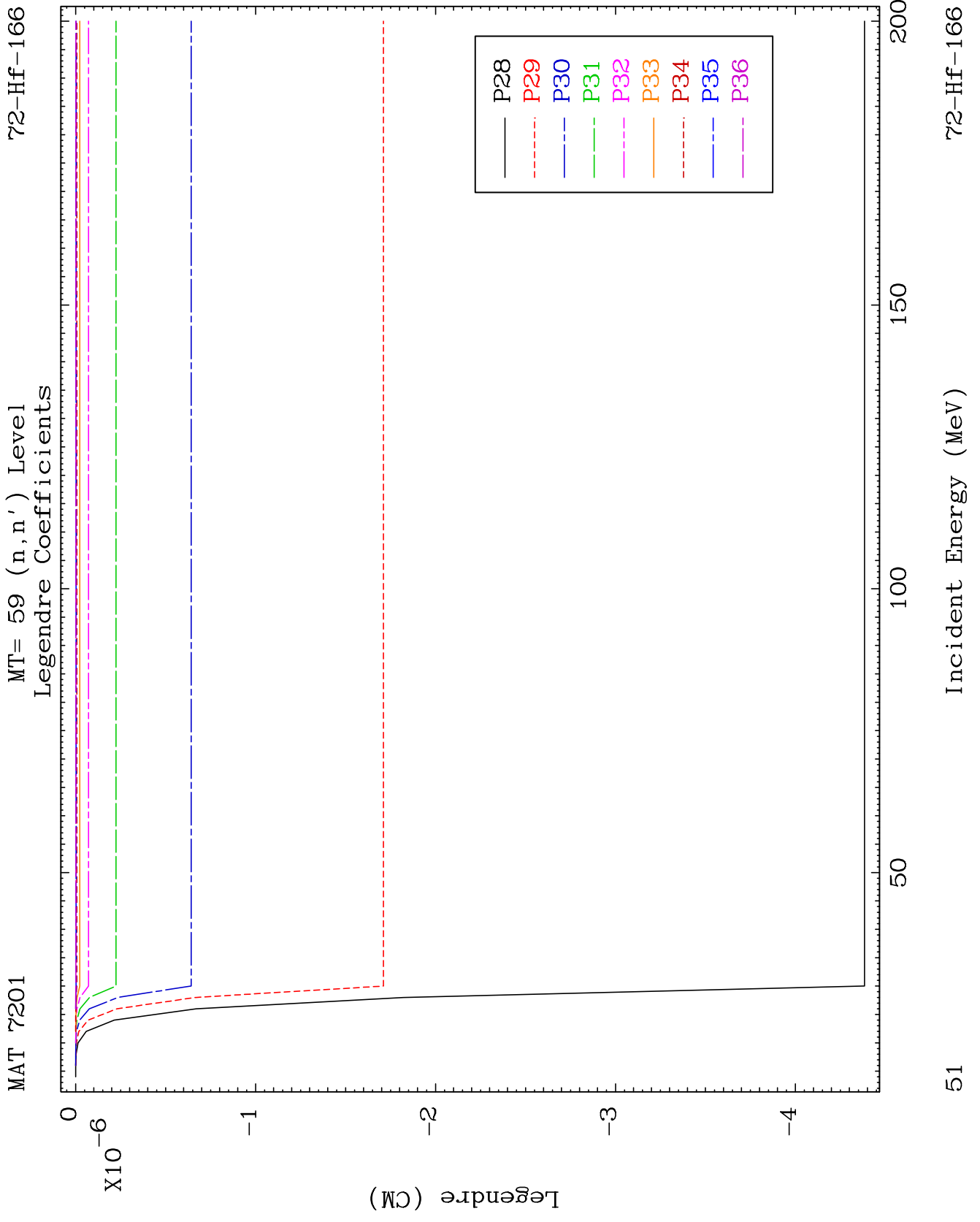
72-Hf-166



72-Hf-166

Incident Energy (MeV)

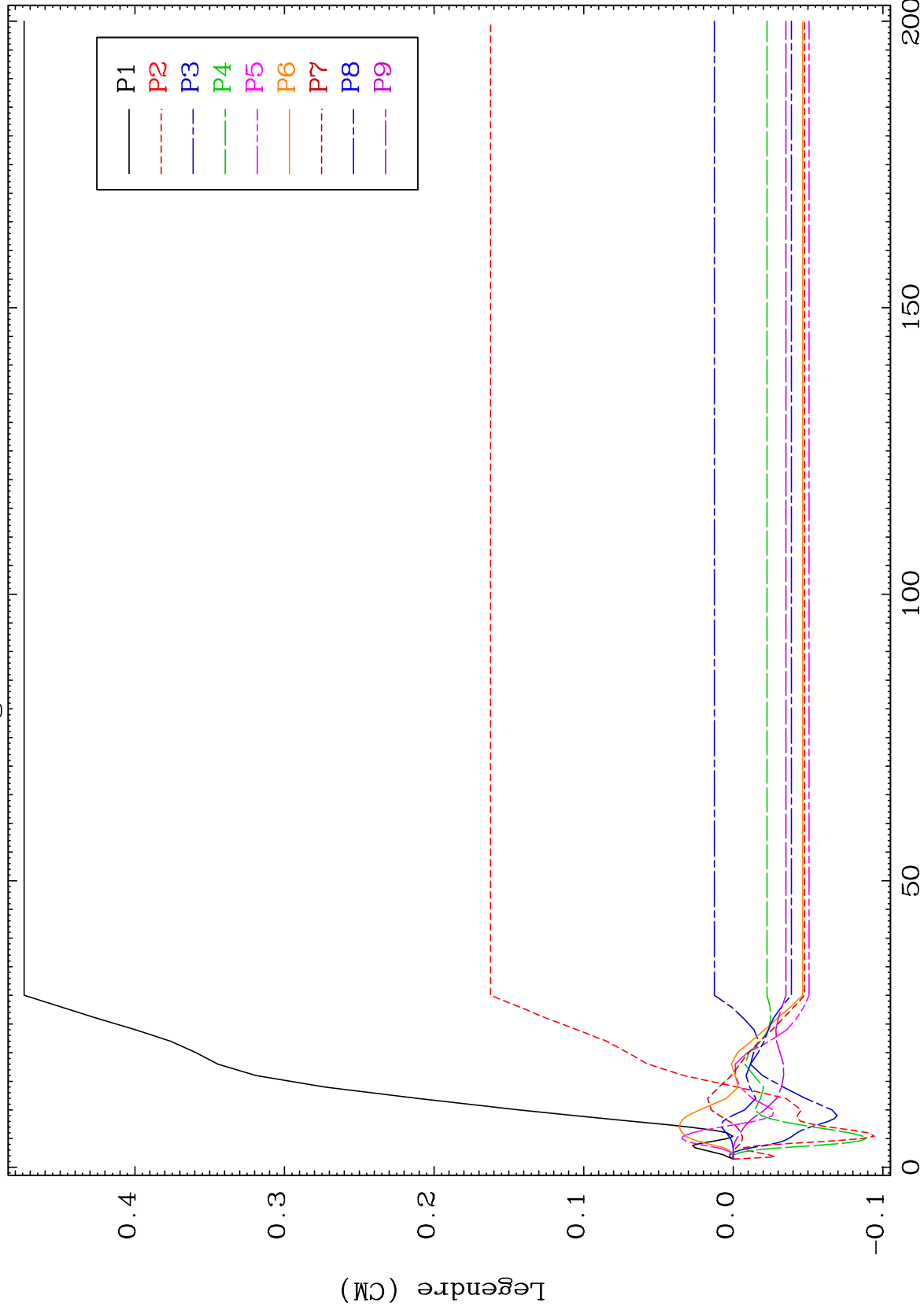
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MAT 7201

MT= 60 (n,n') Level  
Legendre Coefficients

72-Hf-166



52

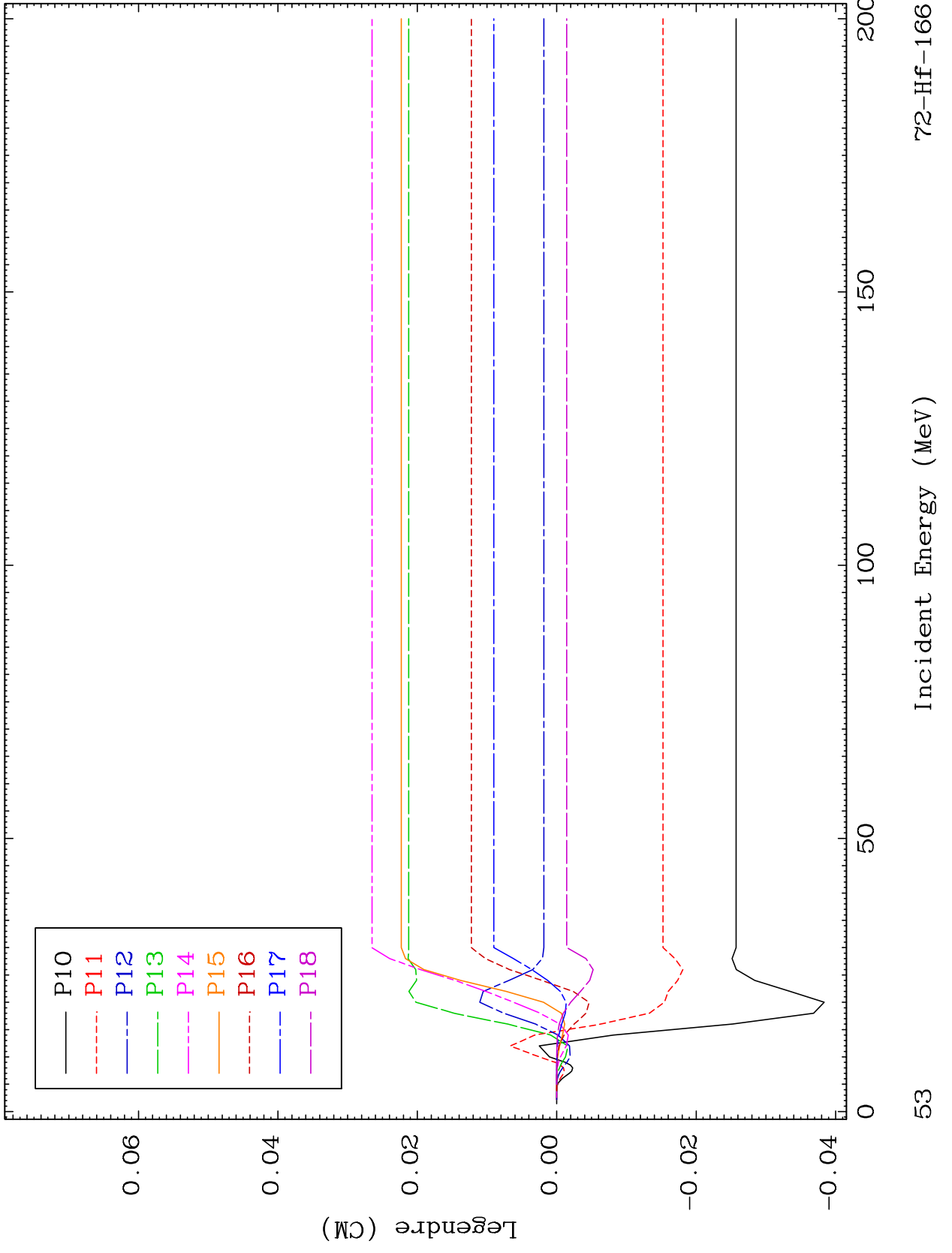
Incident Energy (MeV)

72-Hf-166

MAT 7201

MT= 60 (n,n') Level  
Legendre Coefficients

72-Hf-166



53

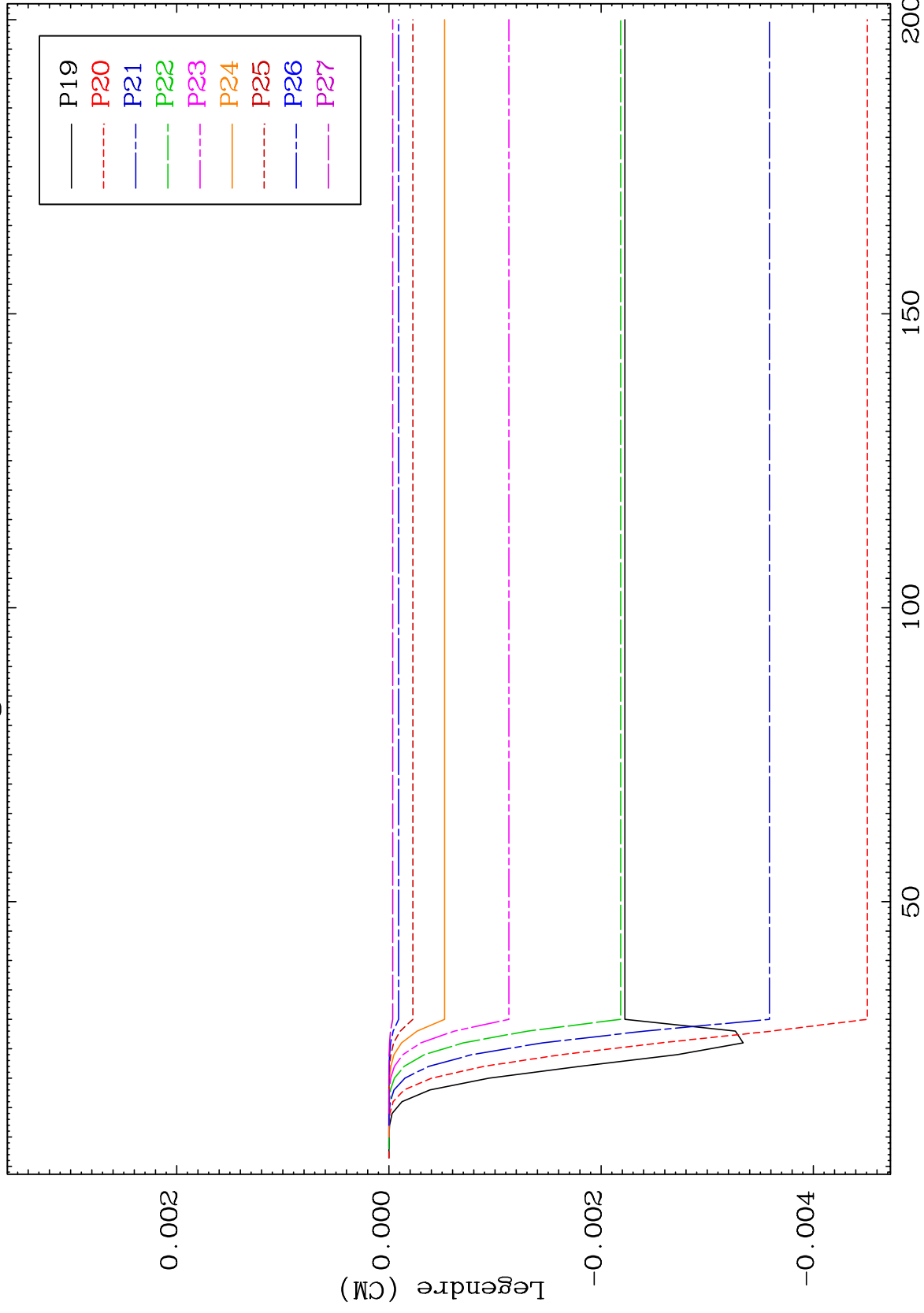
Incident Energy (MeV)

72-Hf-166

MAT 7201

MT= 60 (n,n') Level  
Legendre Coefficients

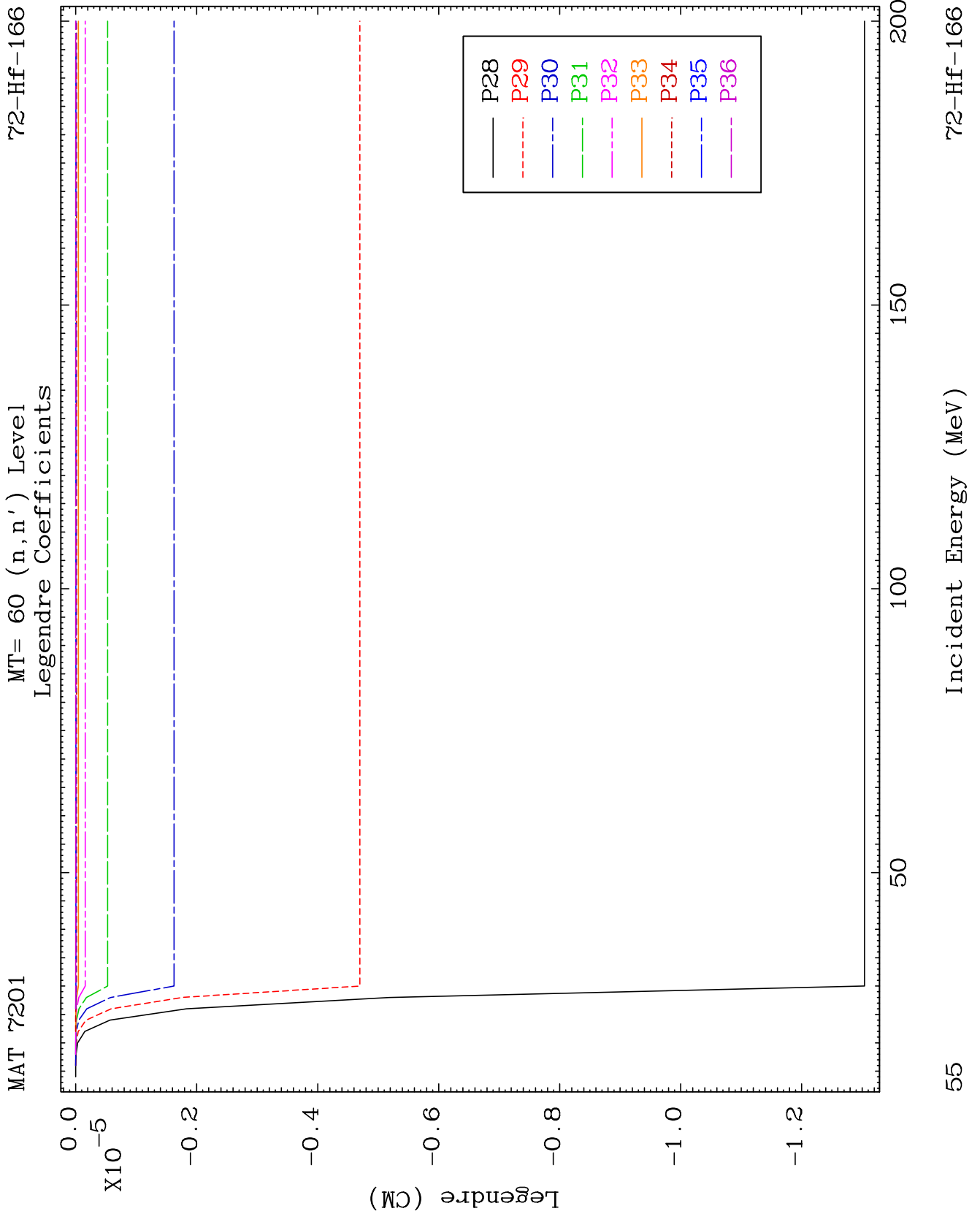
72-Hf-166



54

Incident Energy (MeV)

72-Hf-166

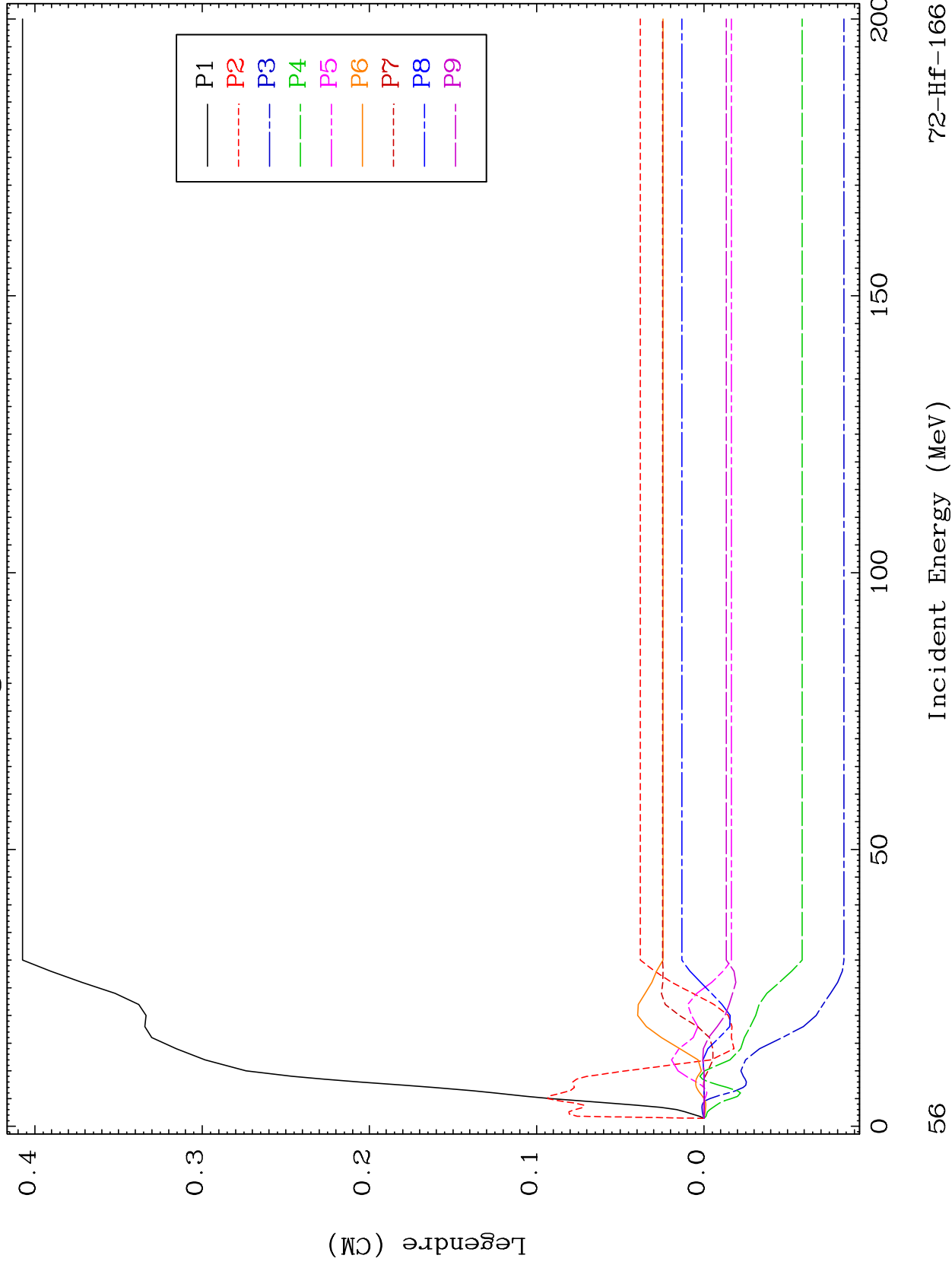




MAT 7201

MT= 61 (n,n') Level  
Legendre Coefficients

72-Hf-166



72-Hf-166

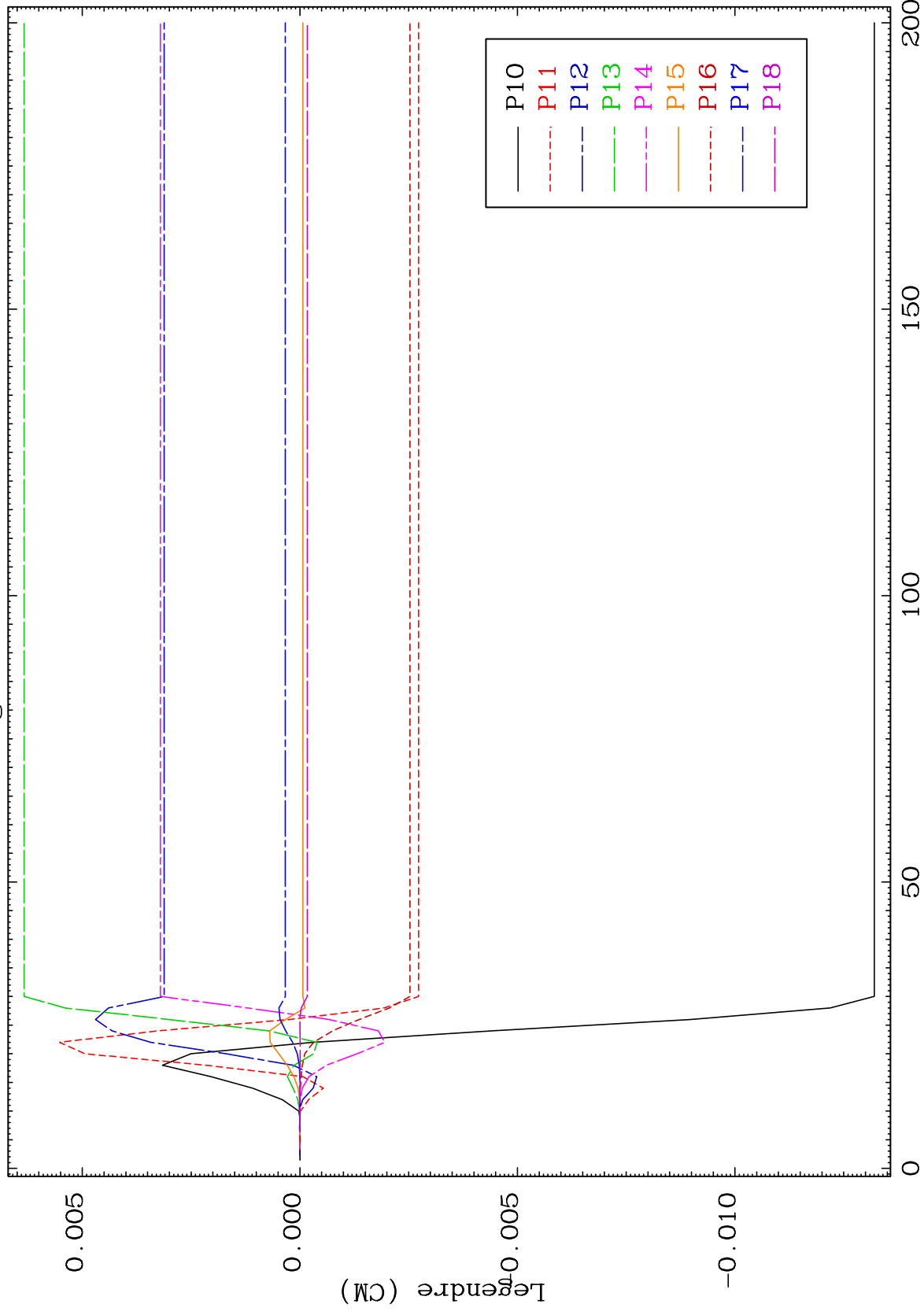
Incident Energy (MeV)

56

MAT 7201

MT= 61 (n,n') Level  
Legendre Coefficients

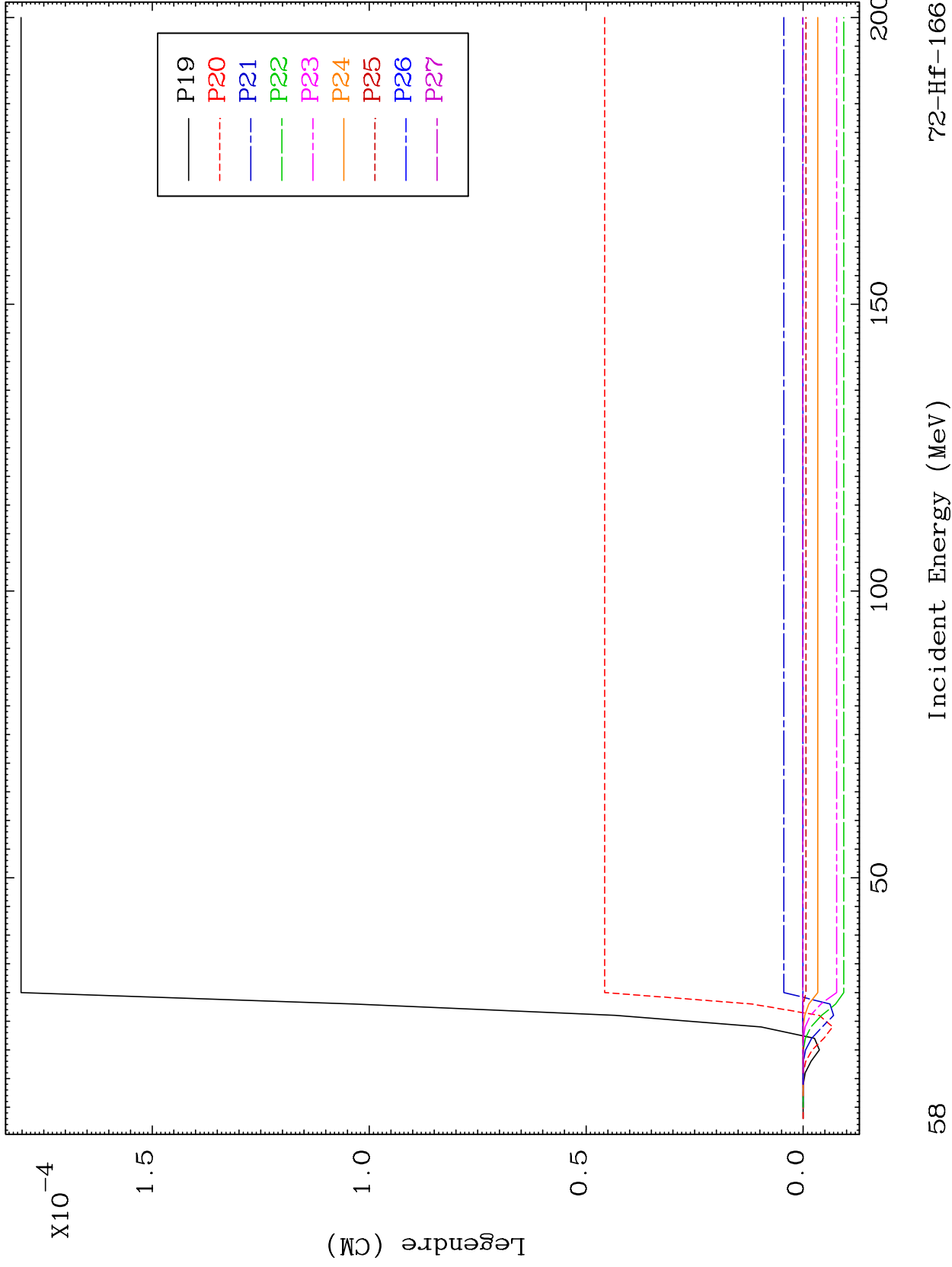
72-Hf-166



57

Incident Energy (MeV)

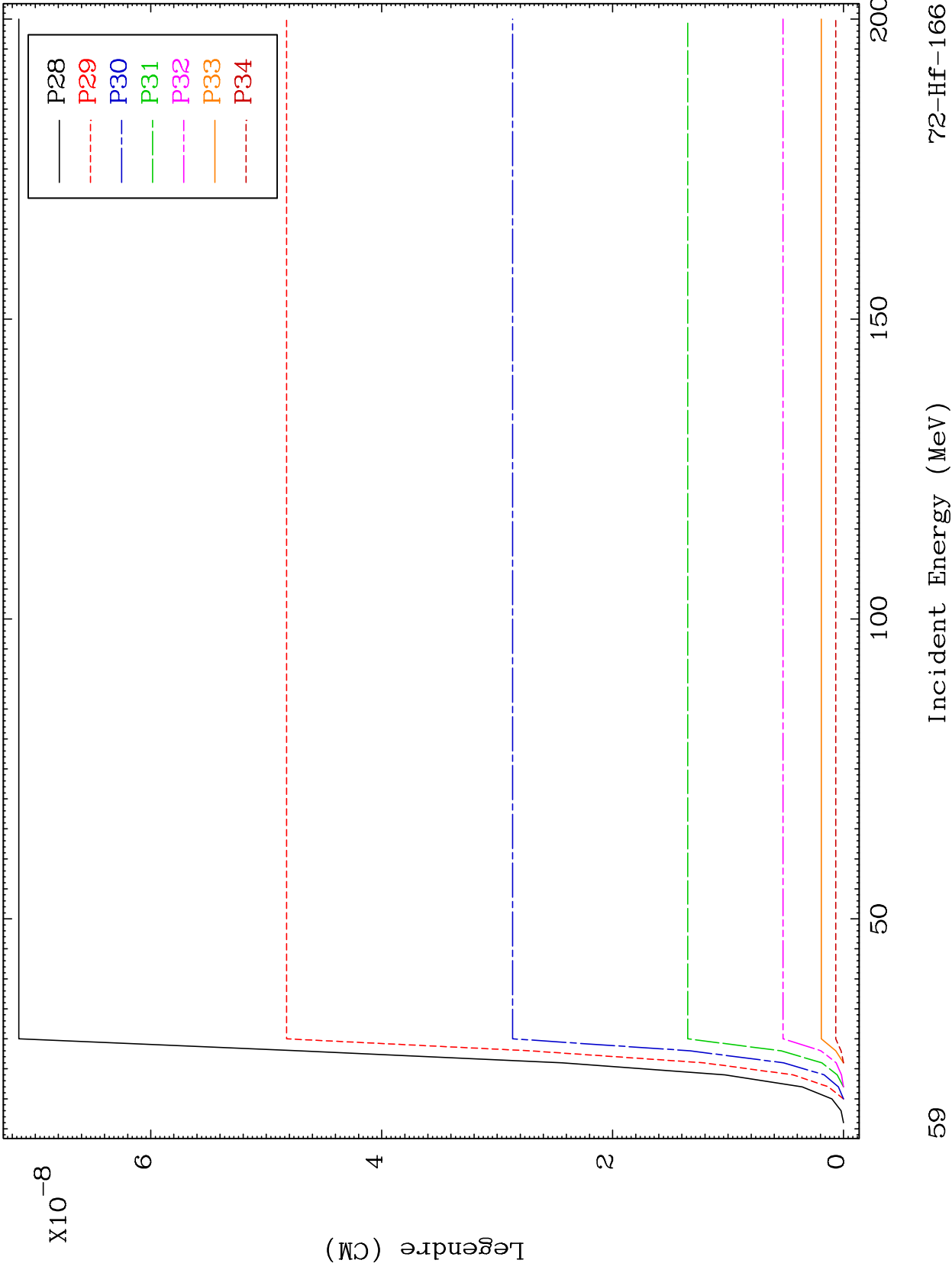
72-Hf-166



MAT 7201

MT= 61 (n,n') Level  
Legendre Coefficients

72-Hf-166



59

Incident Energy (MeV)

72-Hf-166

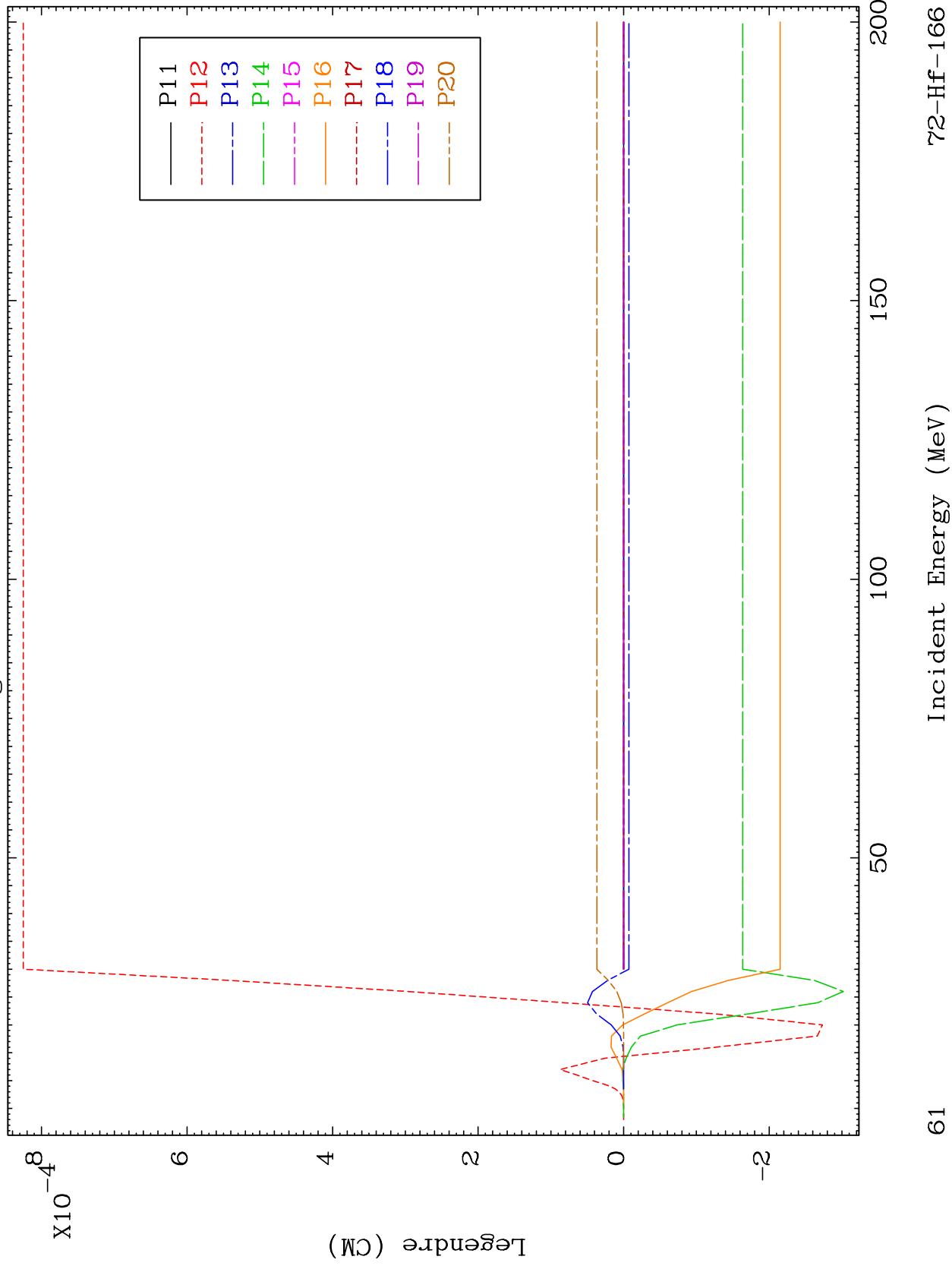


MAT 7201

MT= 62 (n,n') Level

72-Hf-166

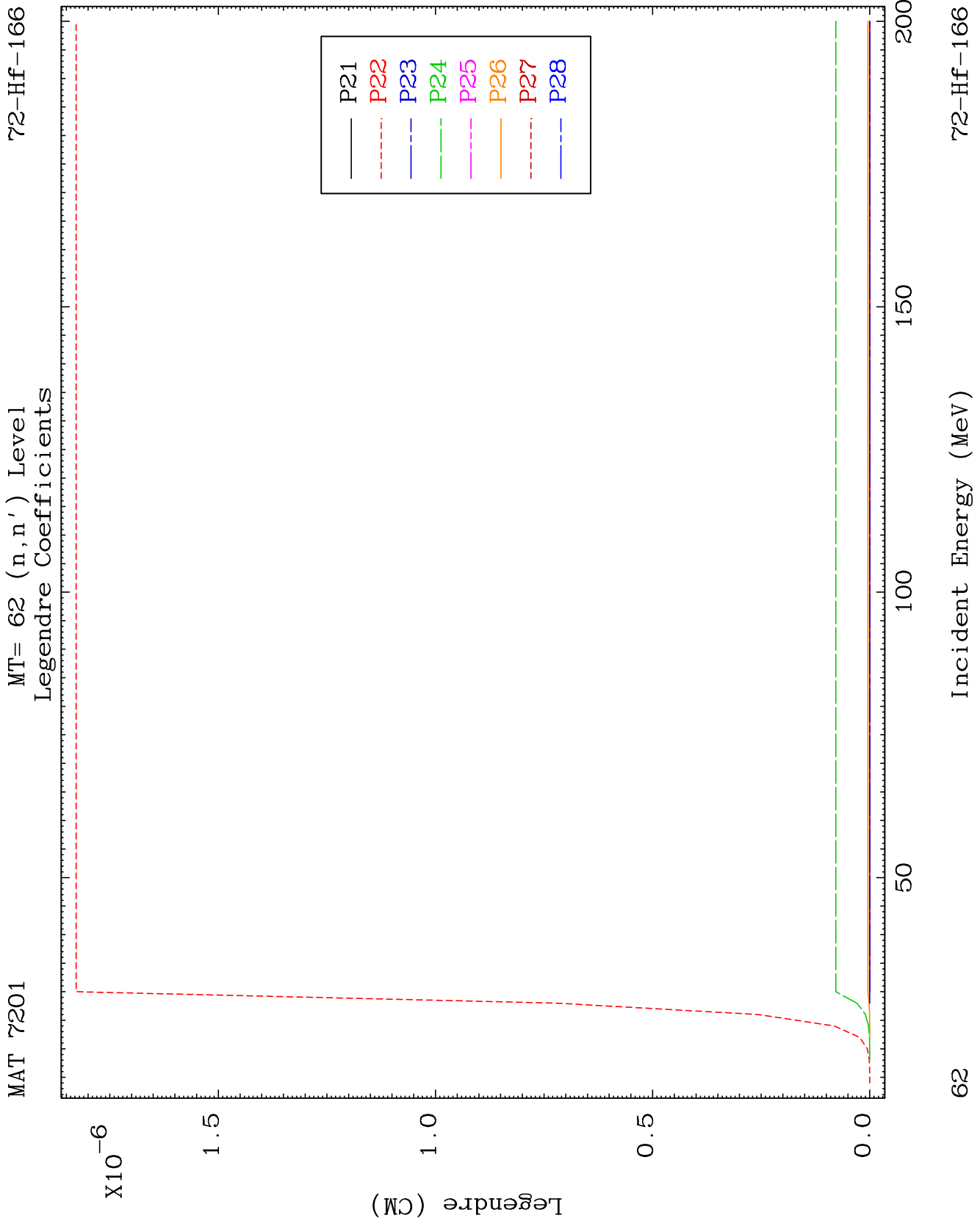
Legendre Coefficients



61

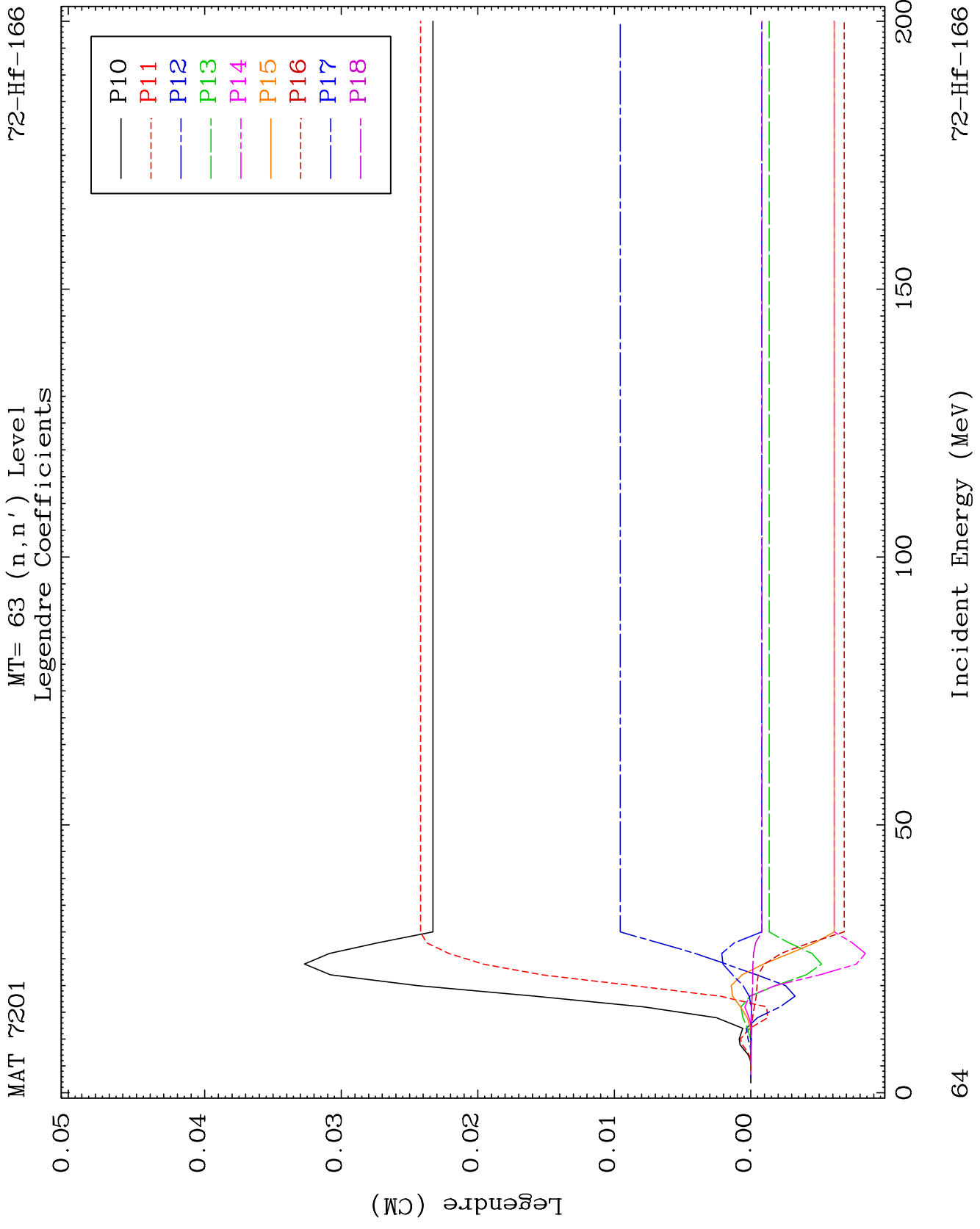
Incident Energy (MeV)

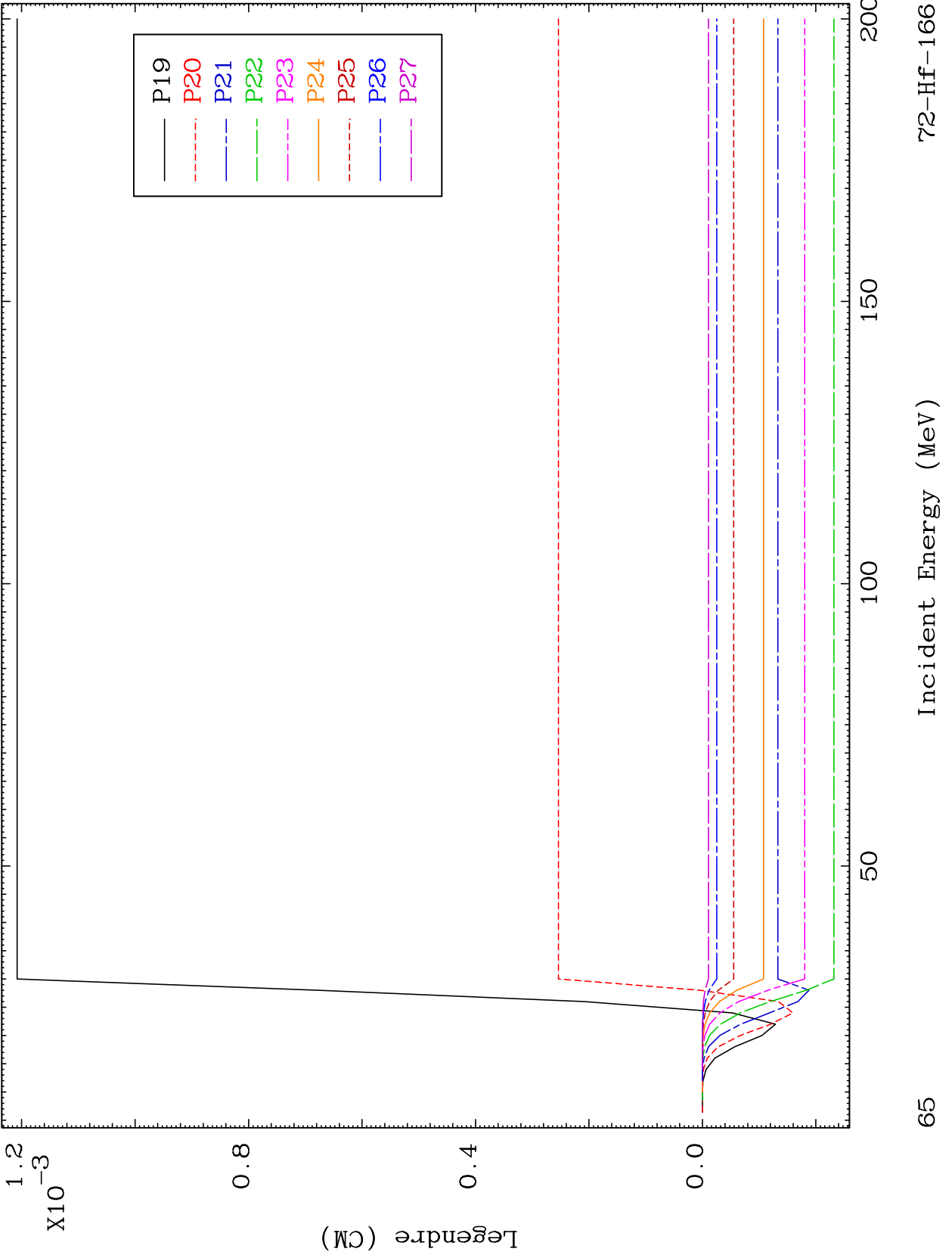
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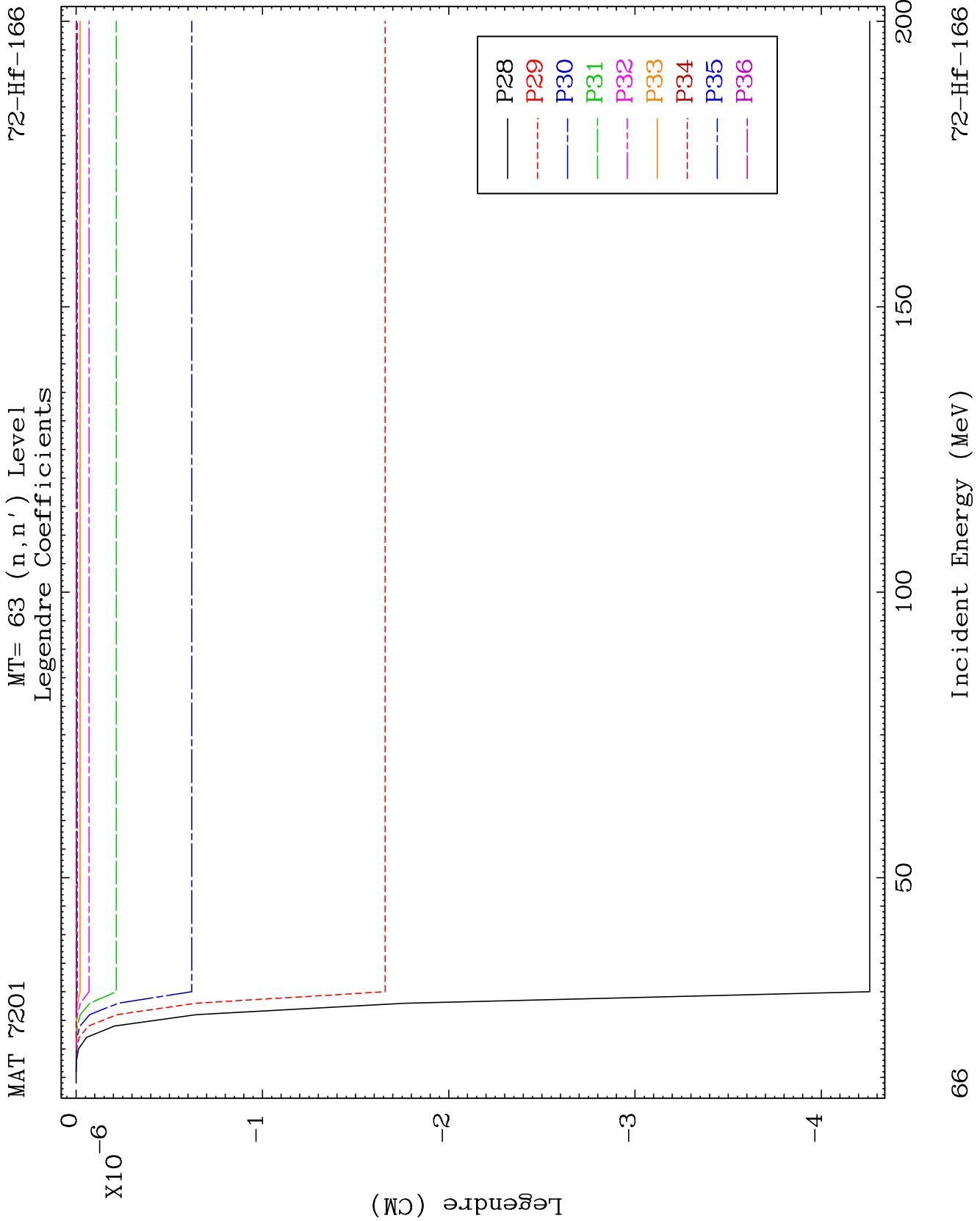




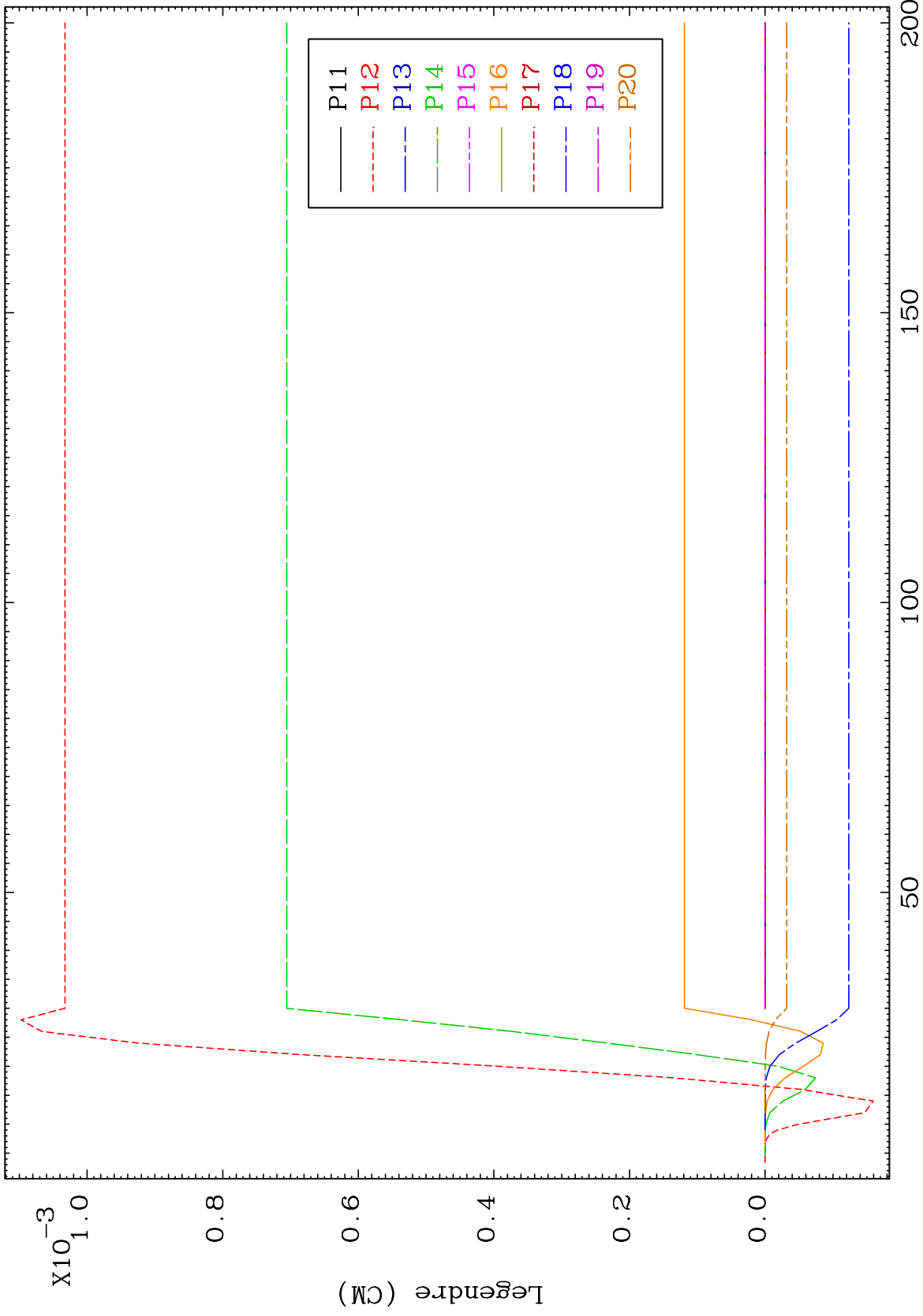


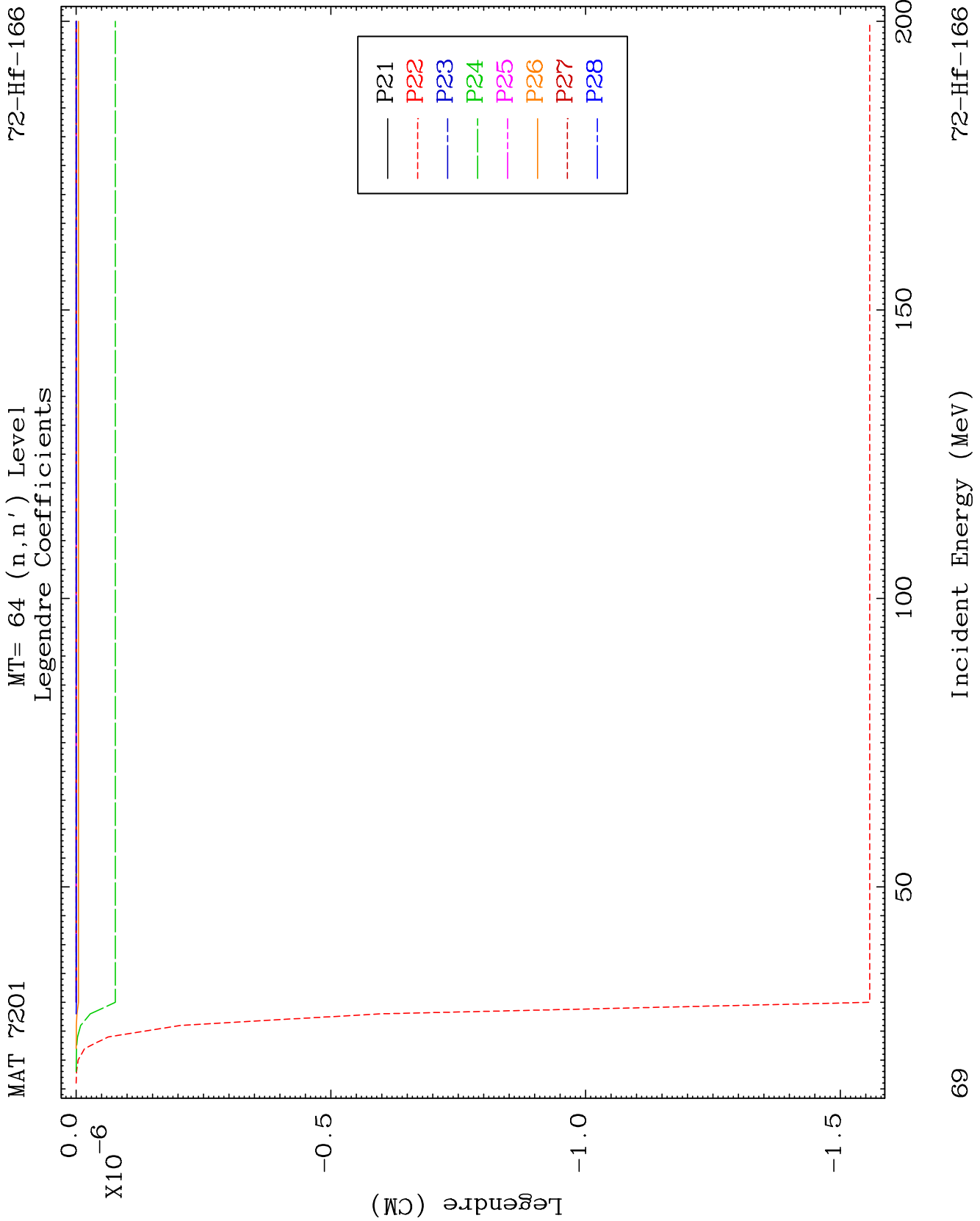








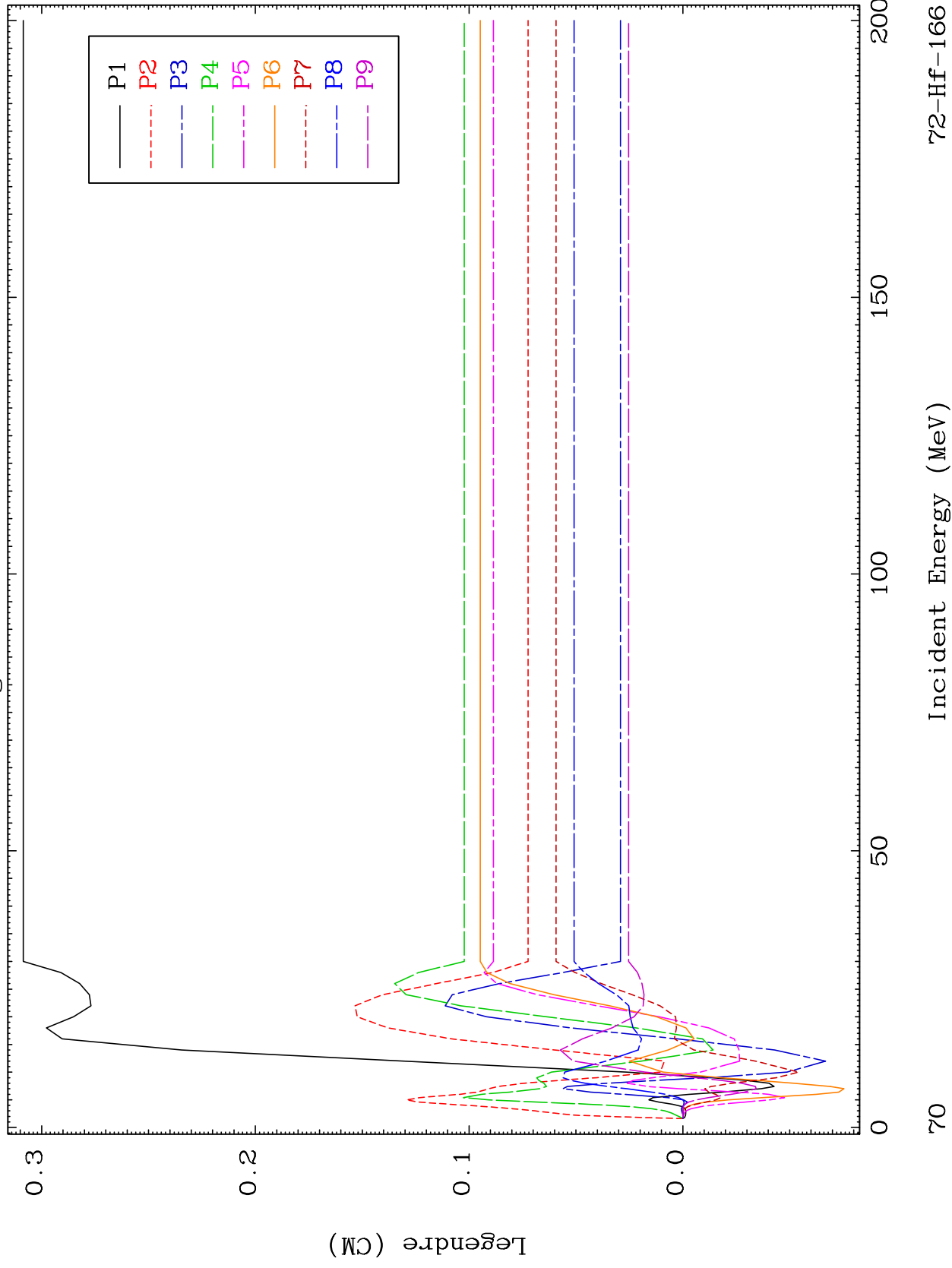




MAT 7201

MT= 65 (n,n') Level  
Legendre Coefficients

72-Hf-166



72-Hf-166

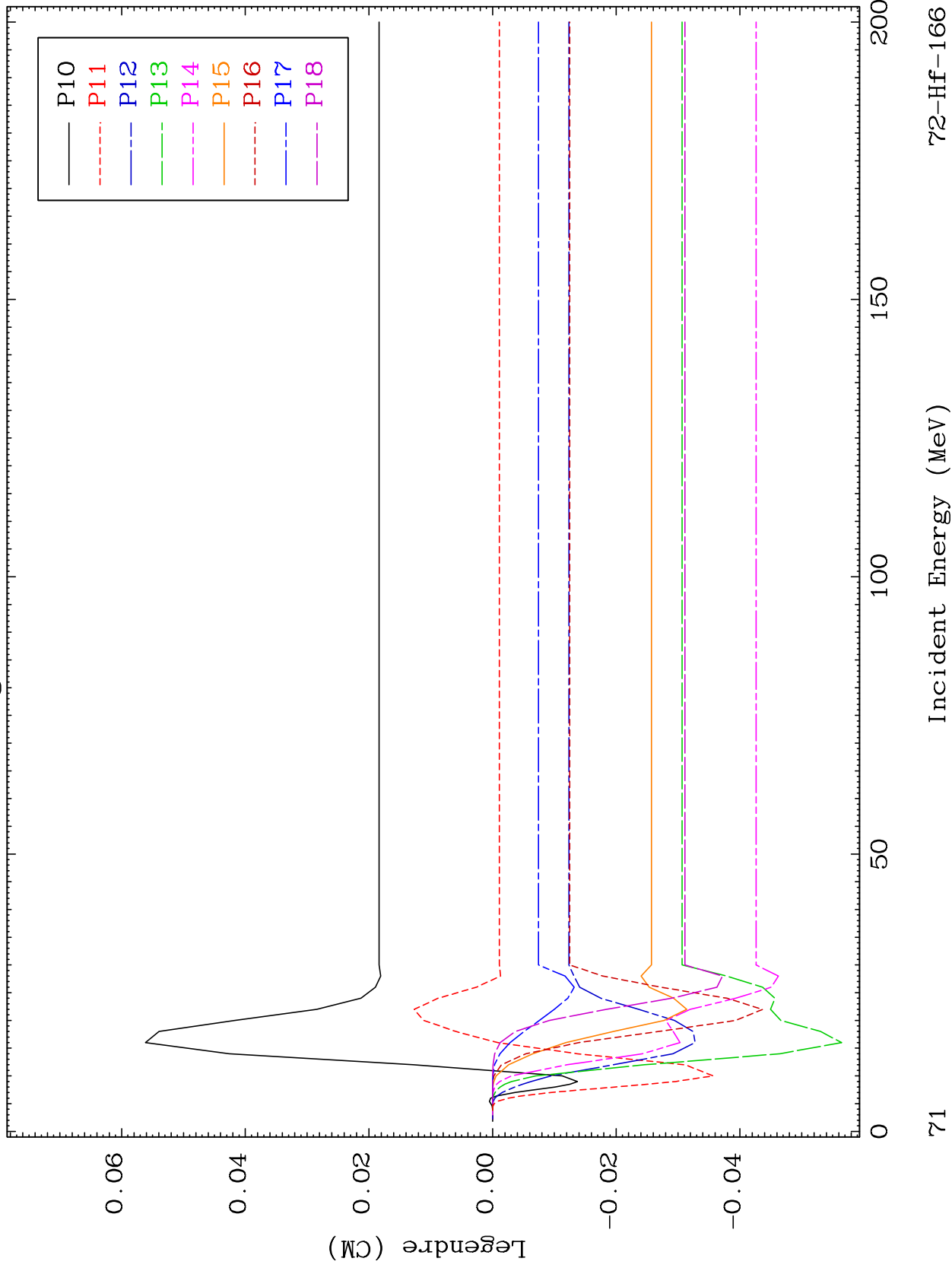
Incident Energy (MeV)

70

MAT 7201

MT= 65 (n,n') Level  
Legendre Coefficients

72-Hf-166



71

Incident Energy (MeV)

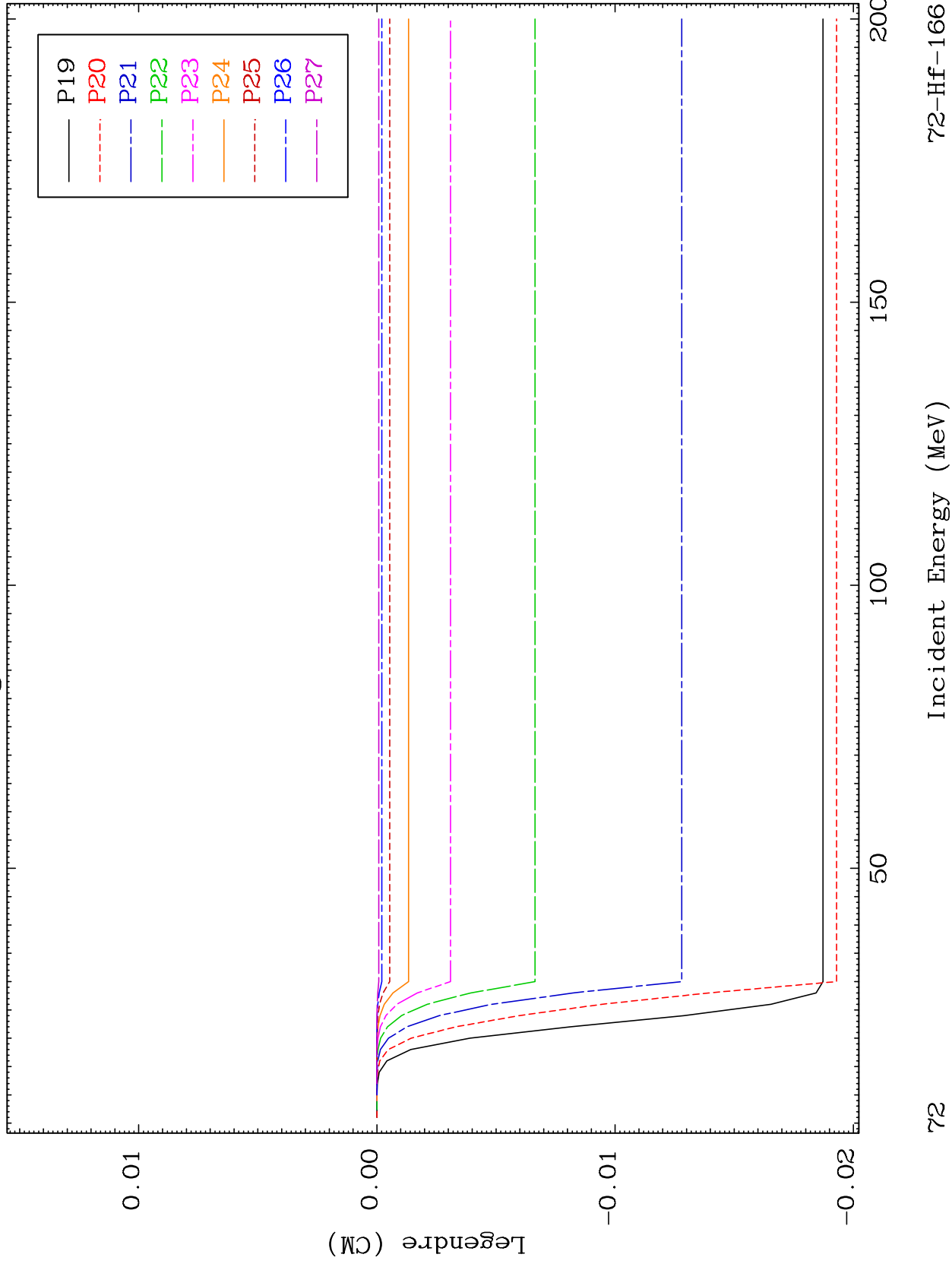
72-Hf-166



MAT 7201

MT= 65 (n,n') Level  
Legendre Coefficients

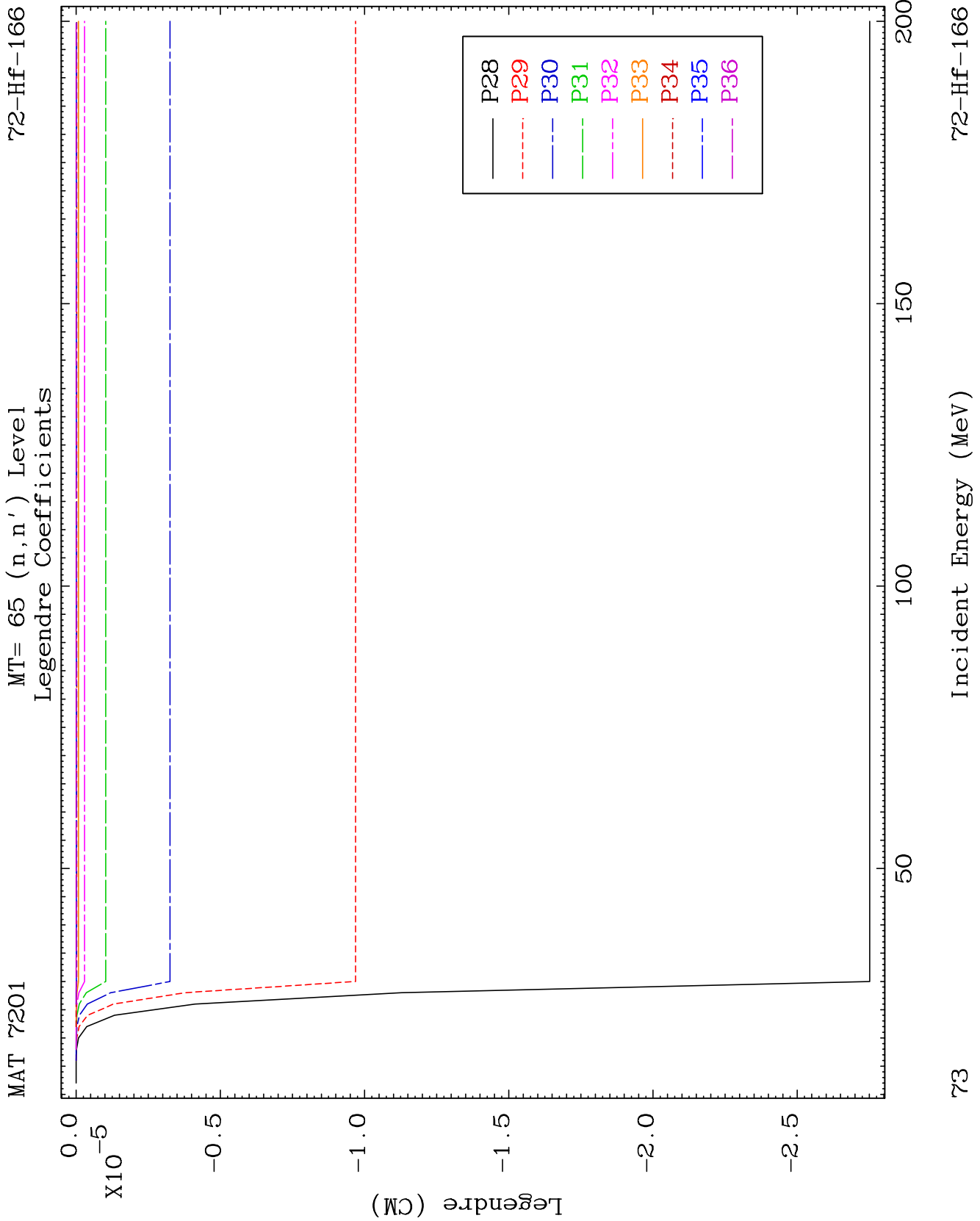
72-Hf-166



72

Incident Energy (MeV)

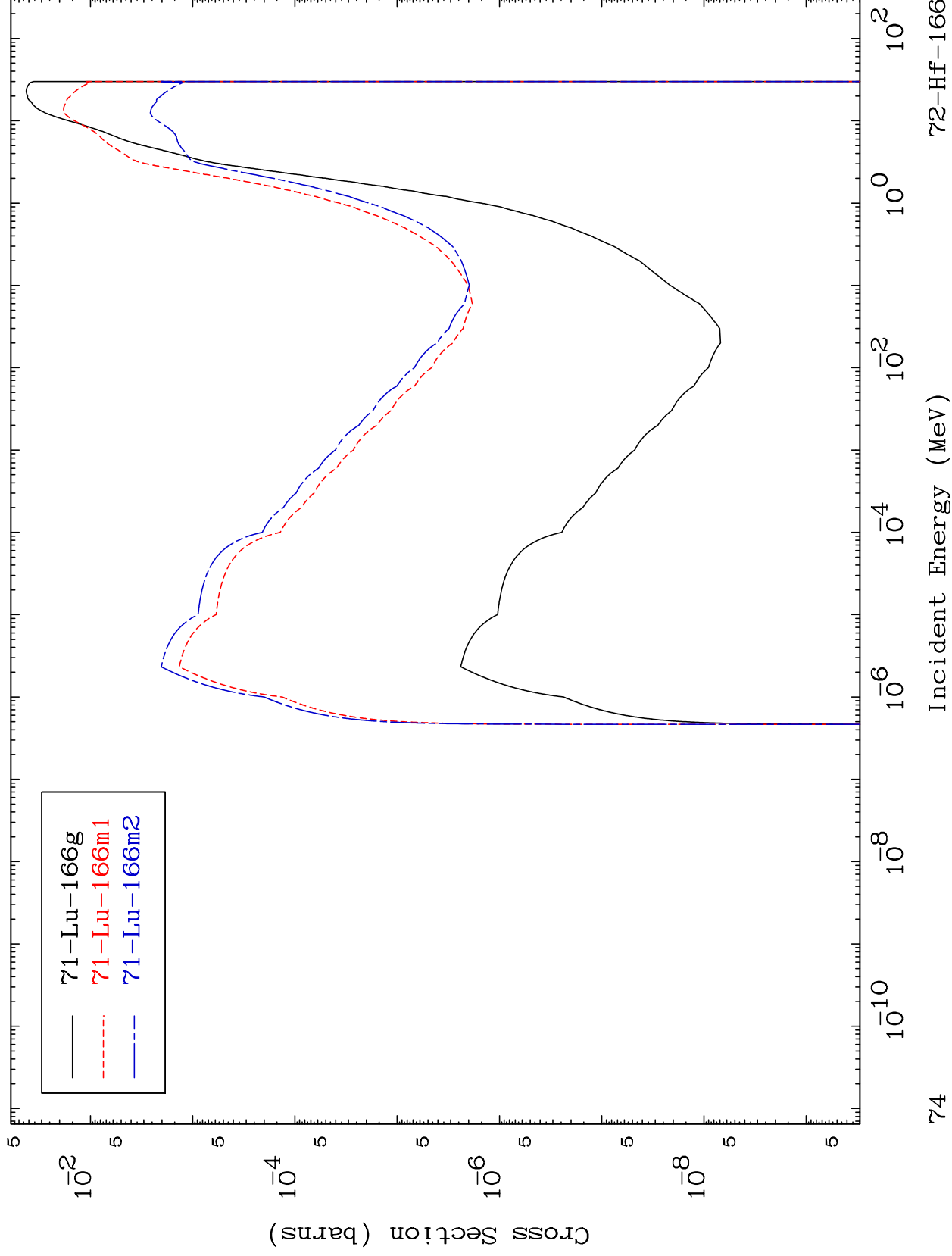
72-Hf-166



MAT 7201

72-Hf-166

(n,p)  
Radionuclide Production Cross Section



MAT 7201

(n,p)  $\alpha$

<sup>72</sup>Hf-166

Radionuclide Production Cross Section

