

Program EVALPLOT  
(Version 2021-1)

by

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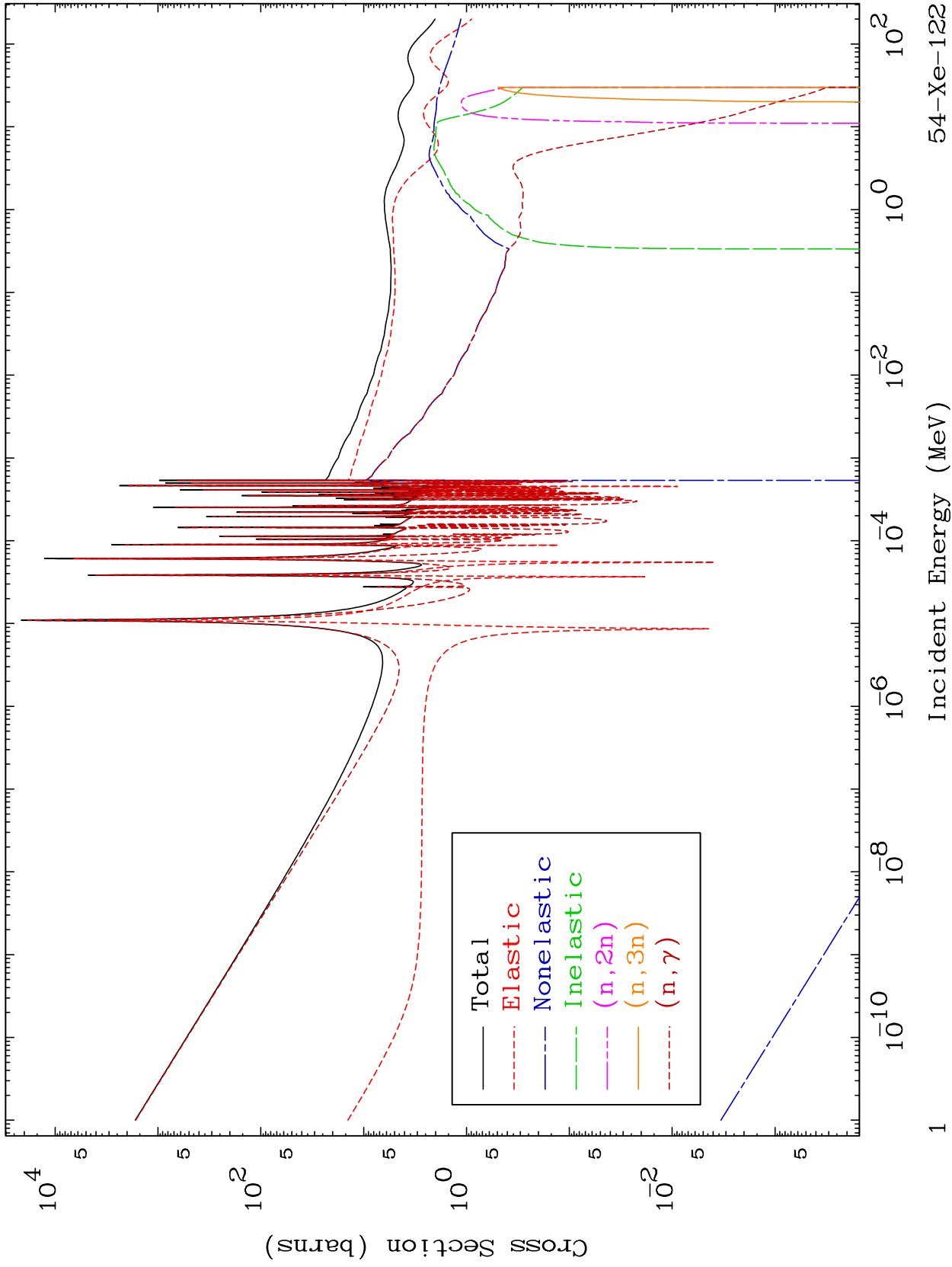
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5419

Neutron Major  
293 Kelvin Cross Sections

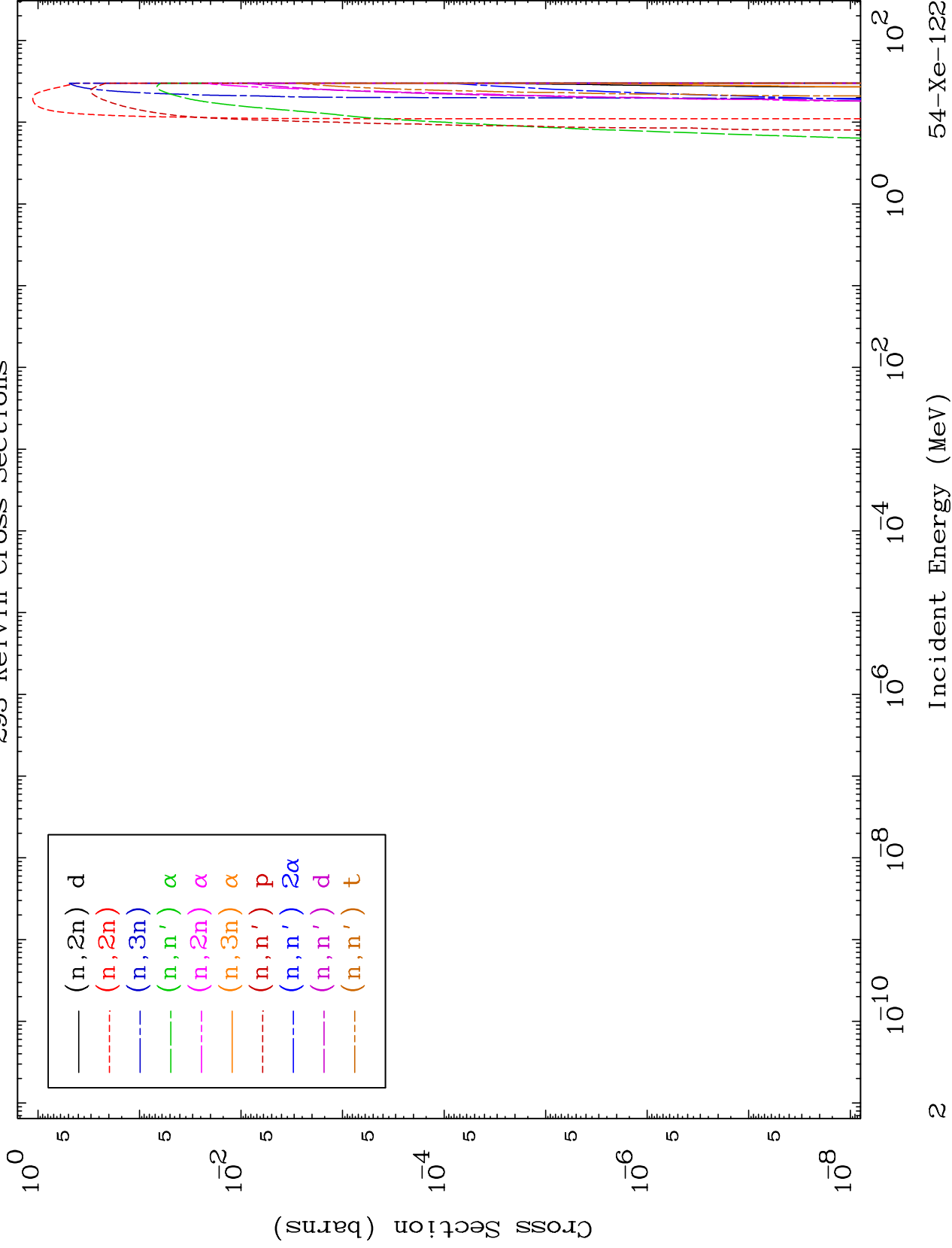
54-Xe-122



MAT 5419

Neutron Absorption  
293 Kelvin Cross Sections

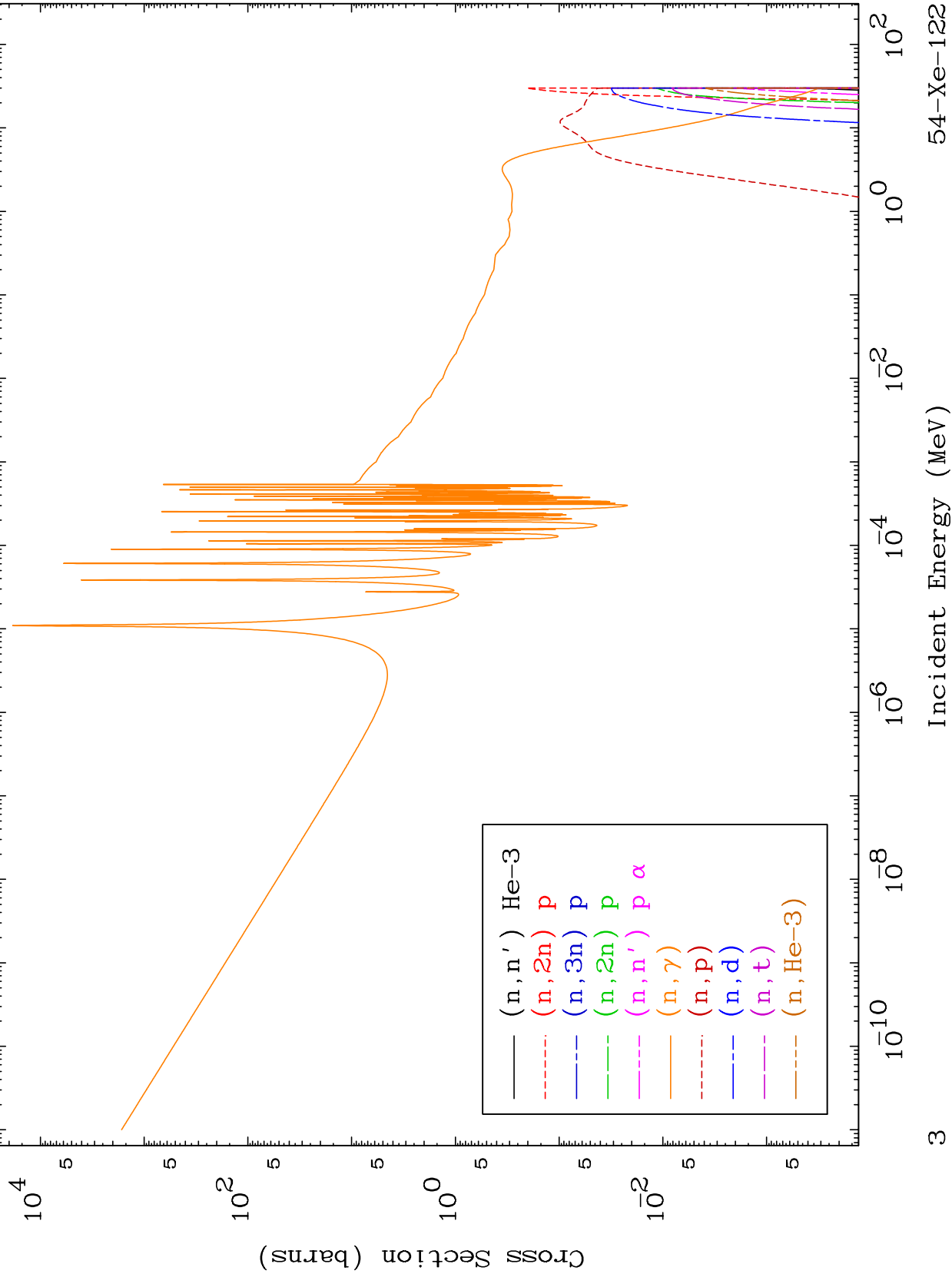
54-Xe-122

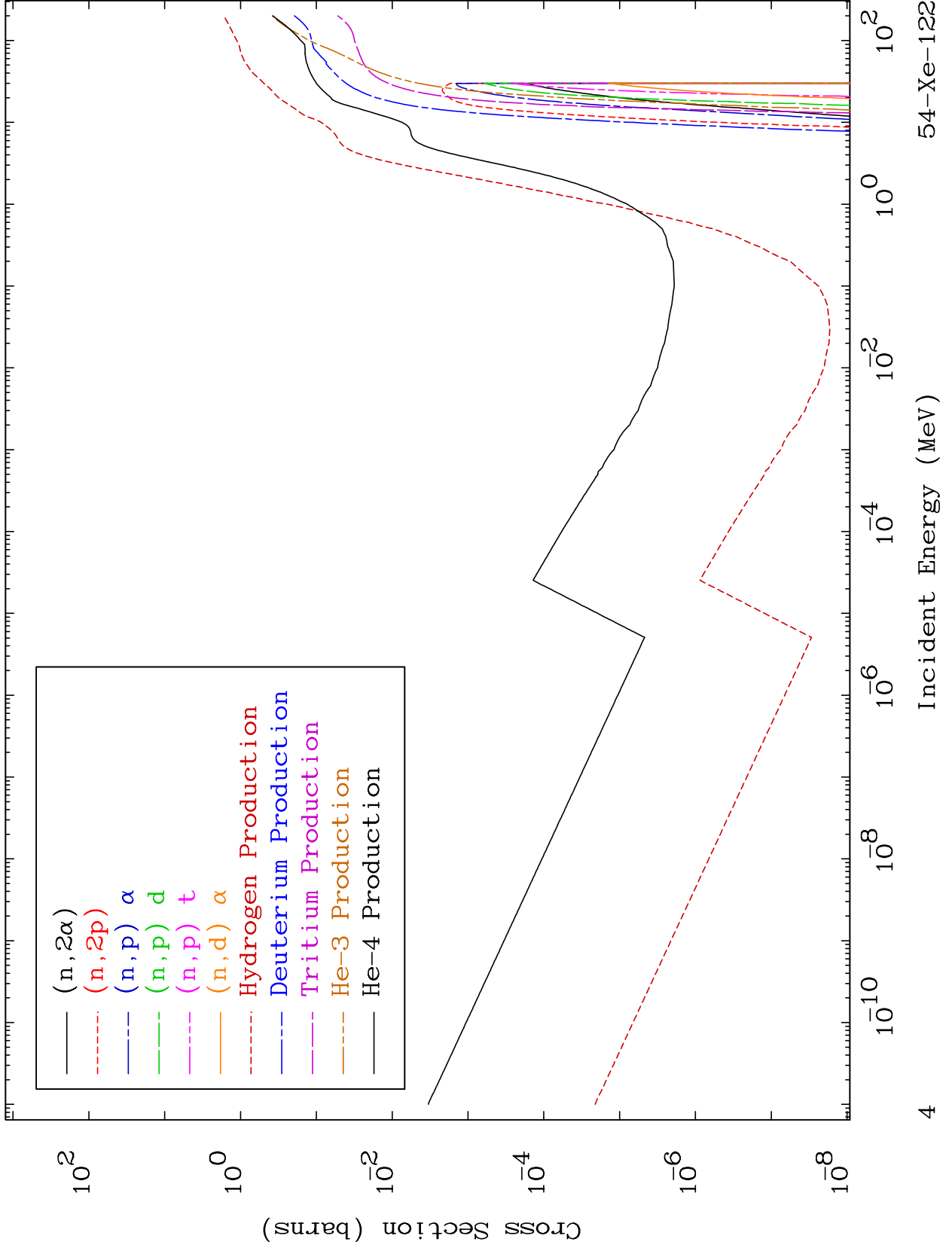


MAT 5419

Neutron Absorption  
293 Kelvin Cross Sections

54-Xe-122

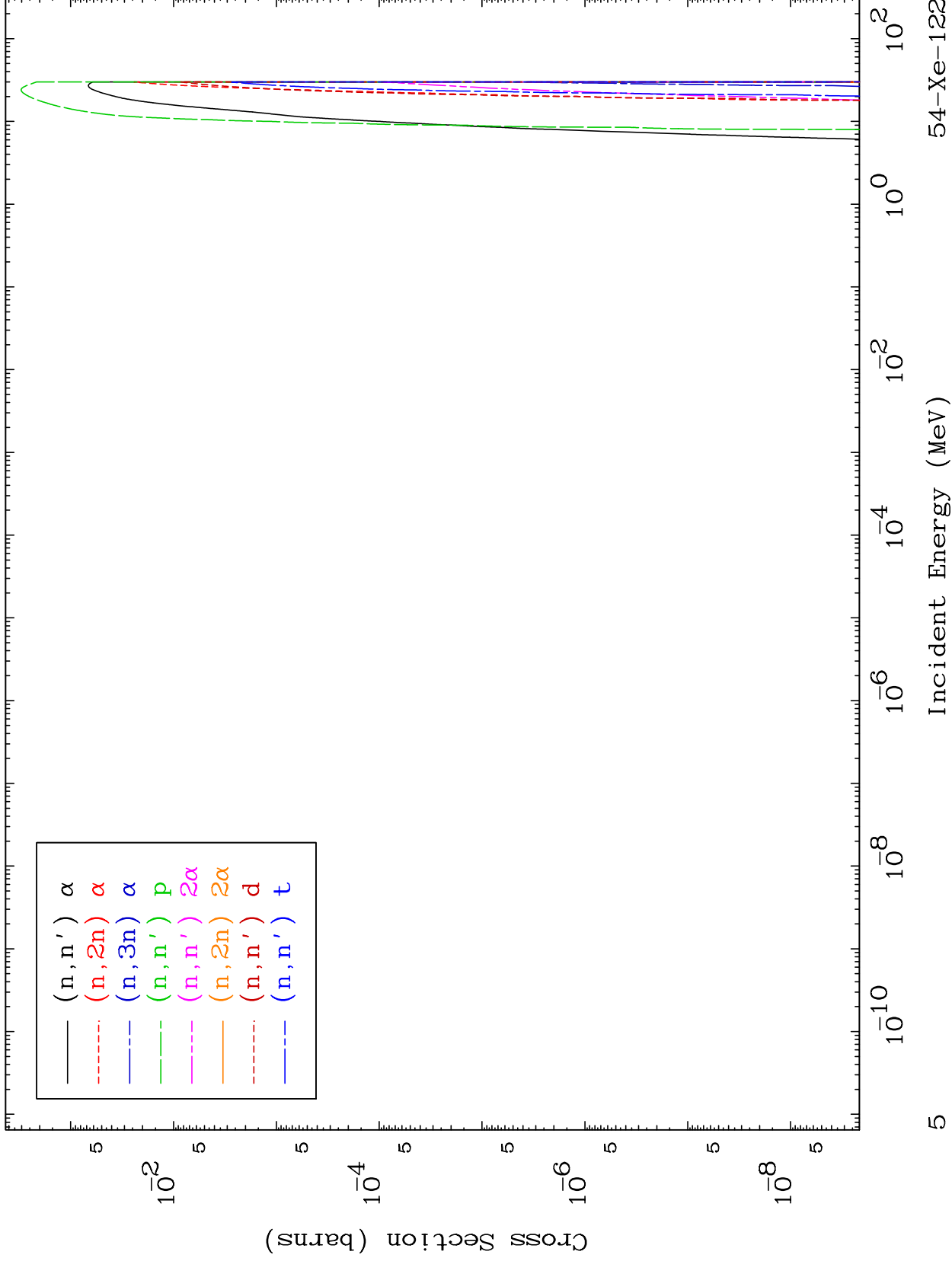




MAT 5419

Charged Particle  
293 Kelvin Cross Sections

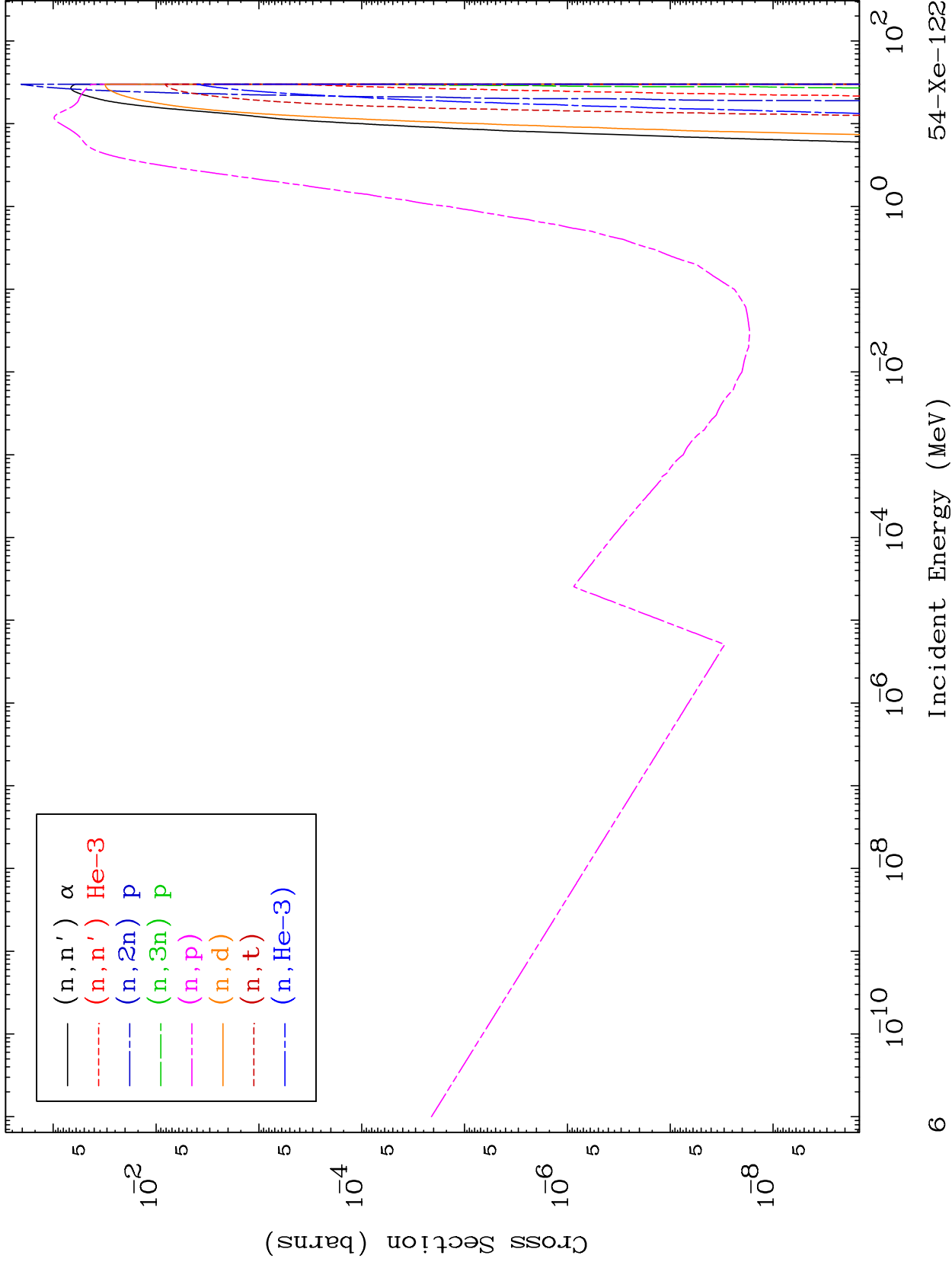
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MAT 5419

Charged Particle  
293 Kelvin Cross Sections

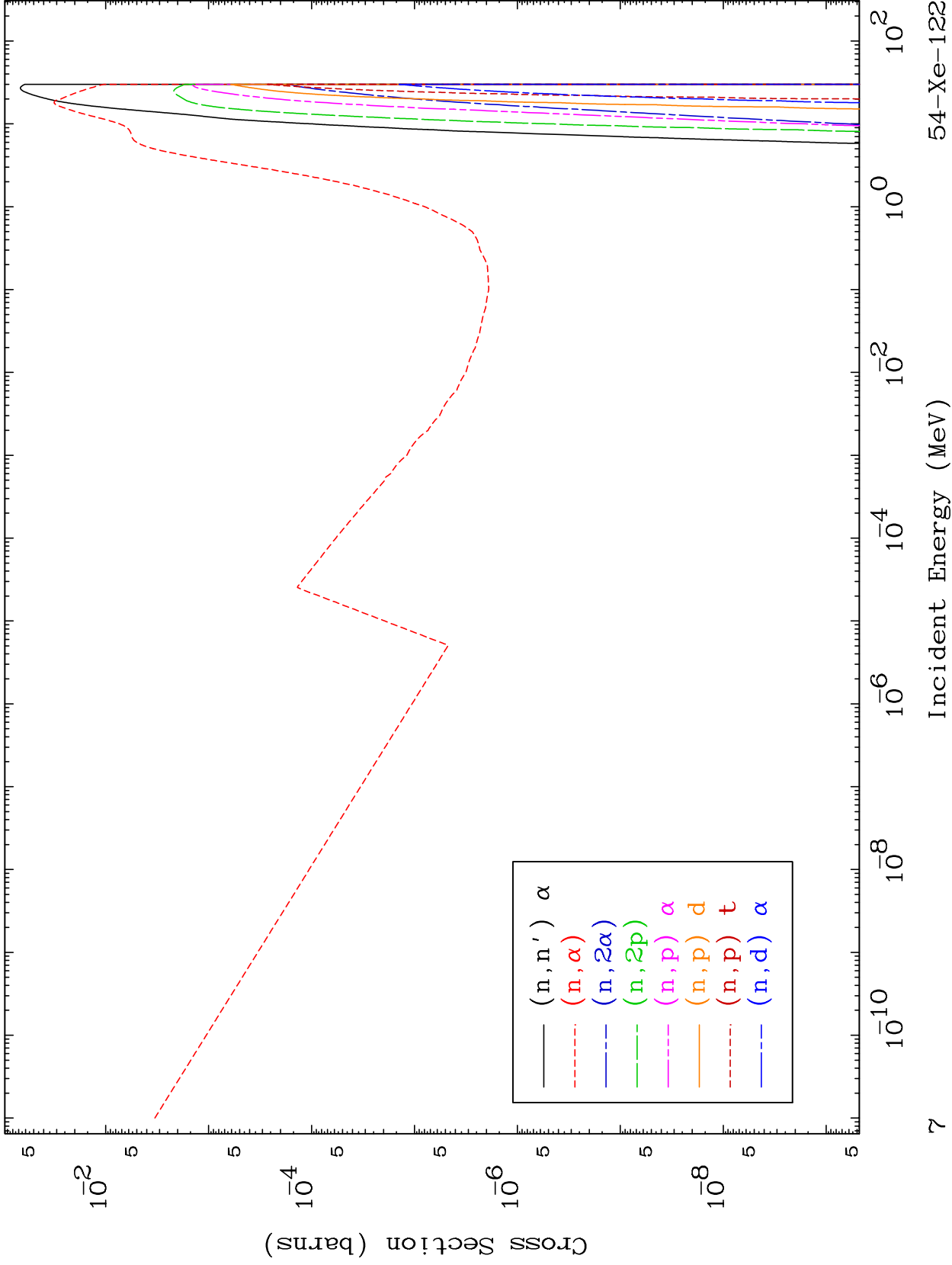
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MAT 5419

Charged Particle  
293 Kelvin Cross Sections

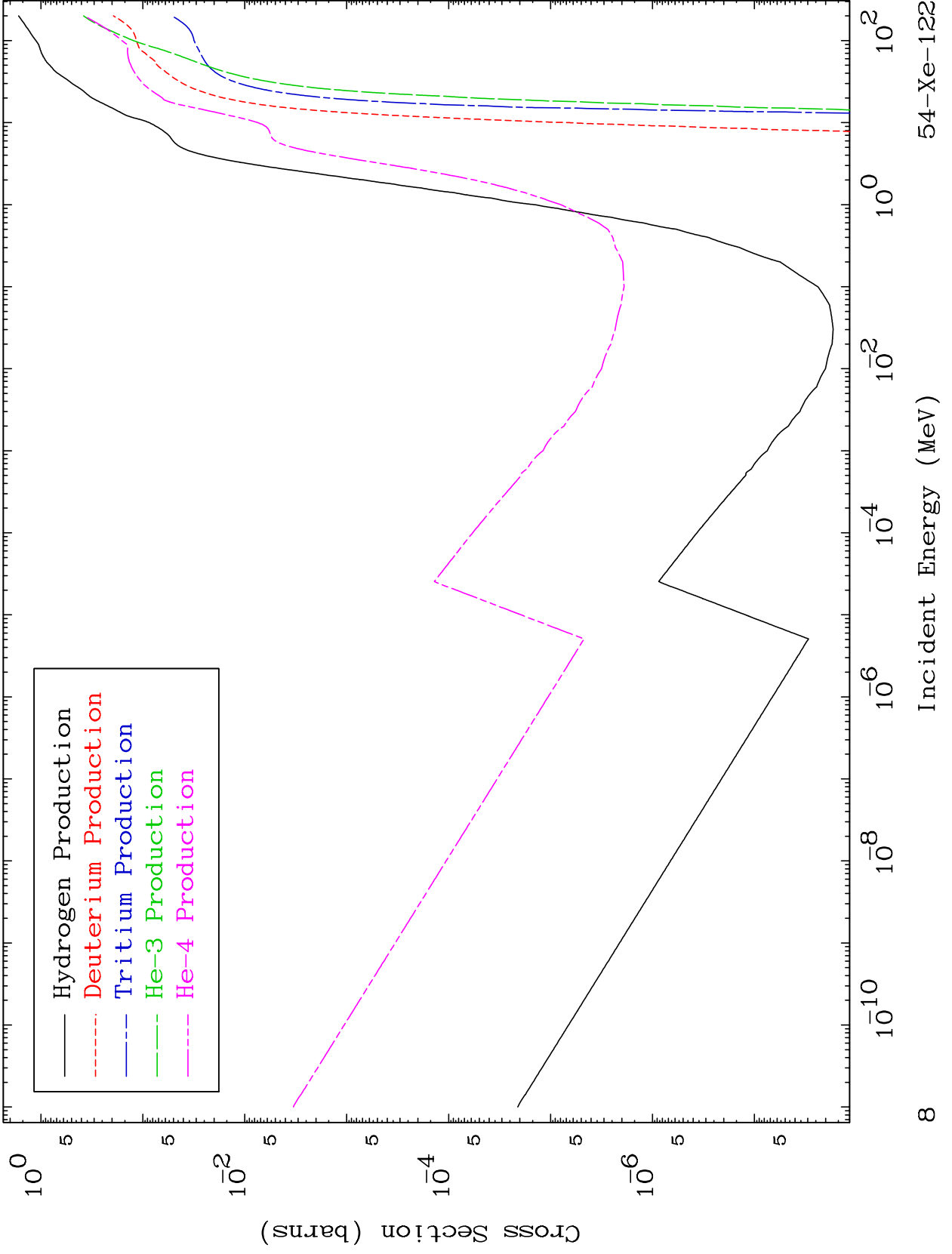
54-Xe-122



MAT 5419

Particle Production  
293 Kelvin Cross Sections

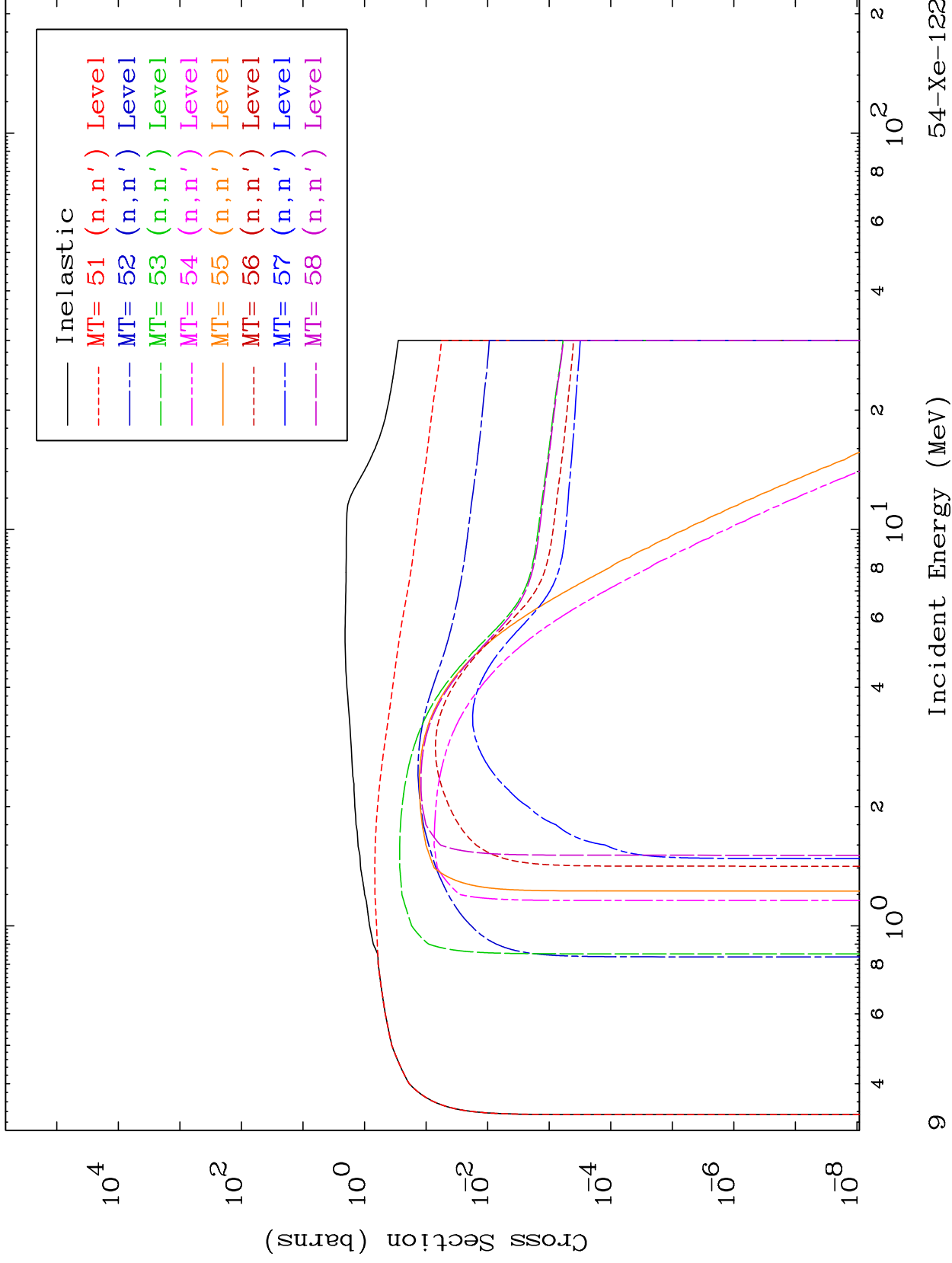
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MAT 5419

(n,n') Levels  
293 Kelvin Cross Sections

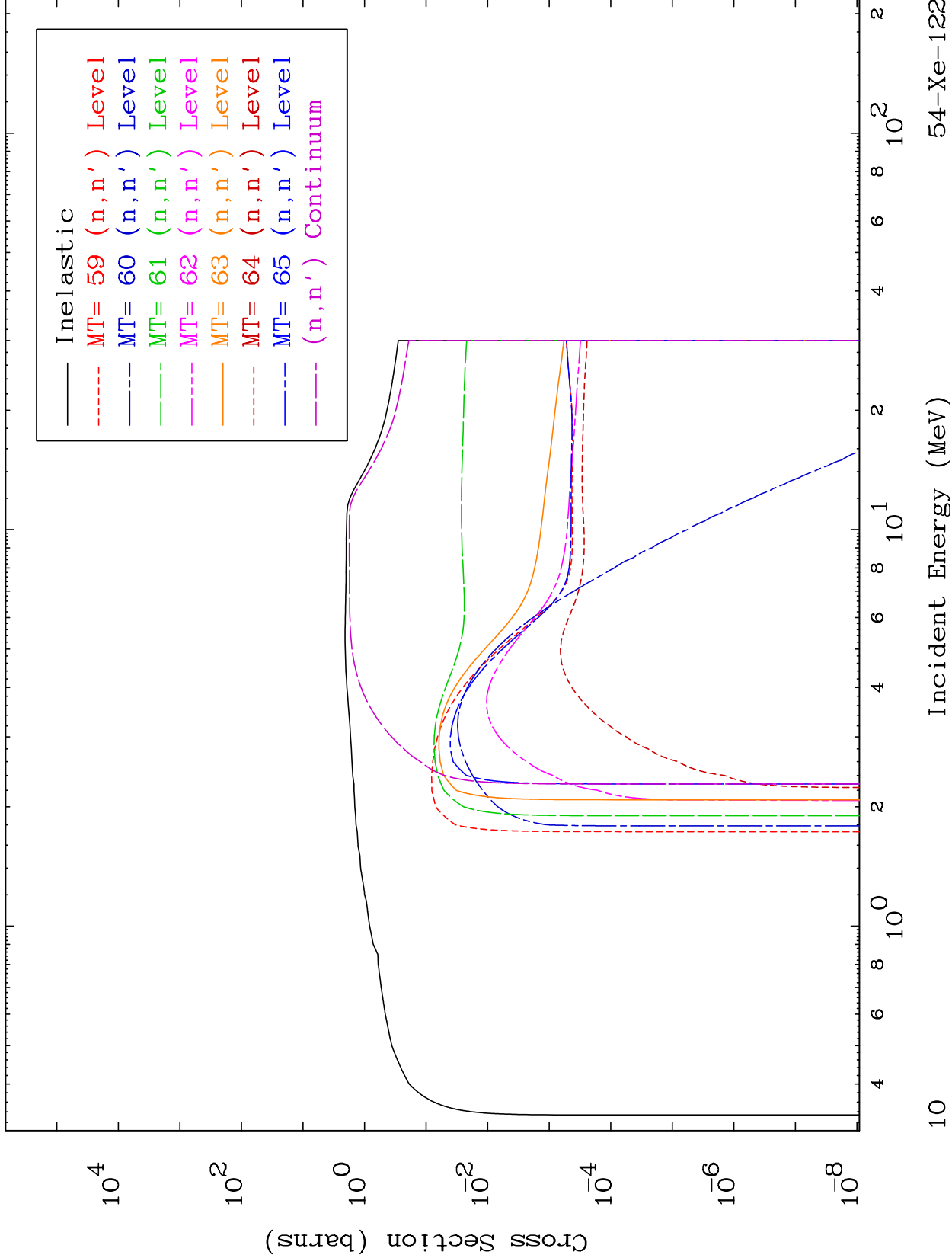
54-Xe-122



MAT 5419

(n,n') Levels  
293 Kelvin Cross Sections

54-Xe-122



10

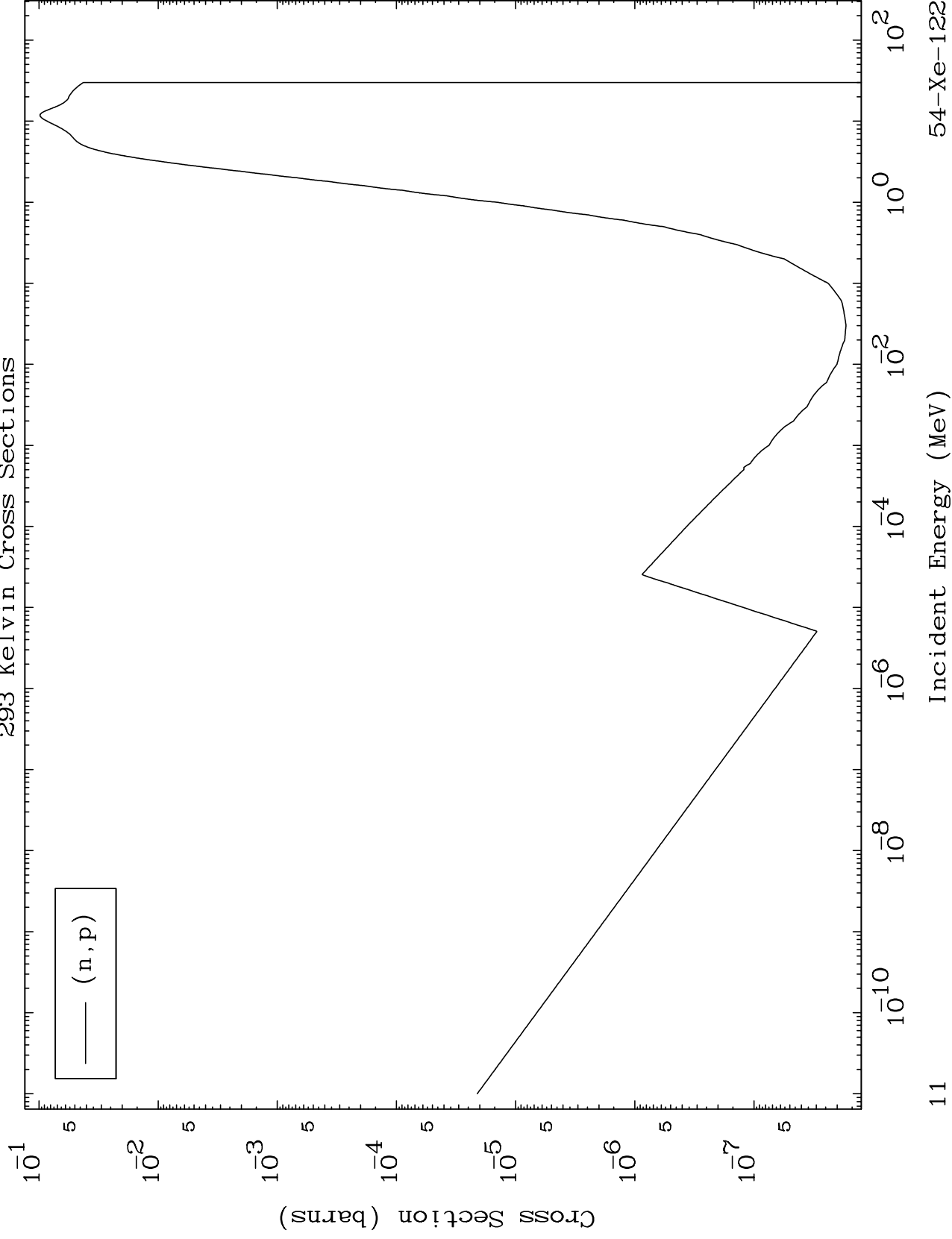
Incident Energy (MeV)

54-Xe-122

MAT 5419

(n,p) Levels  
293 Kelvin Cross Sections

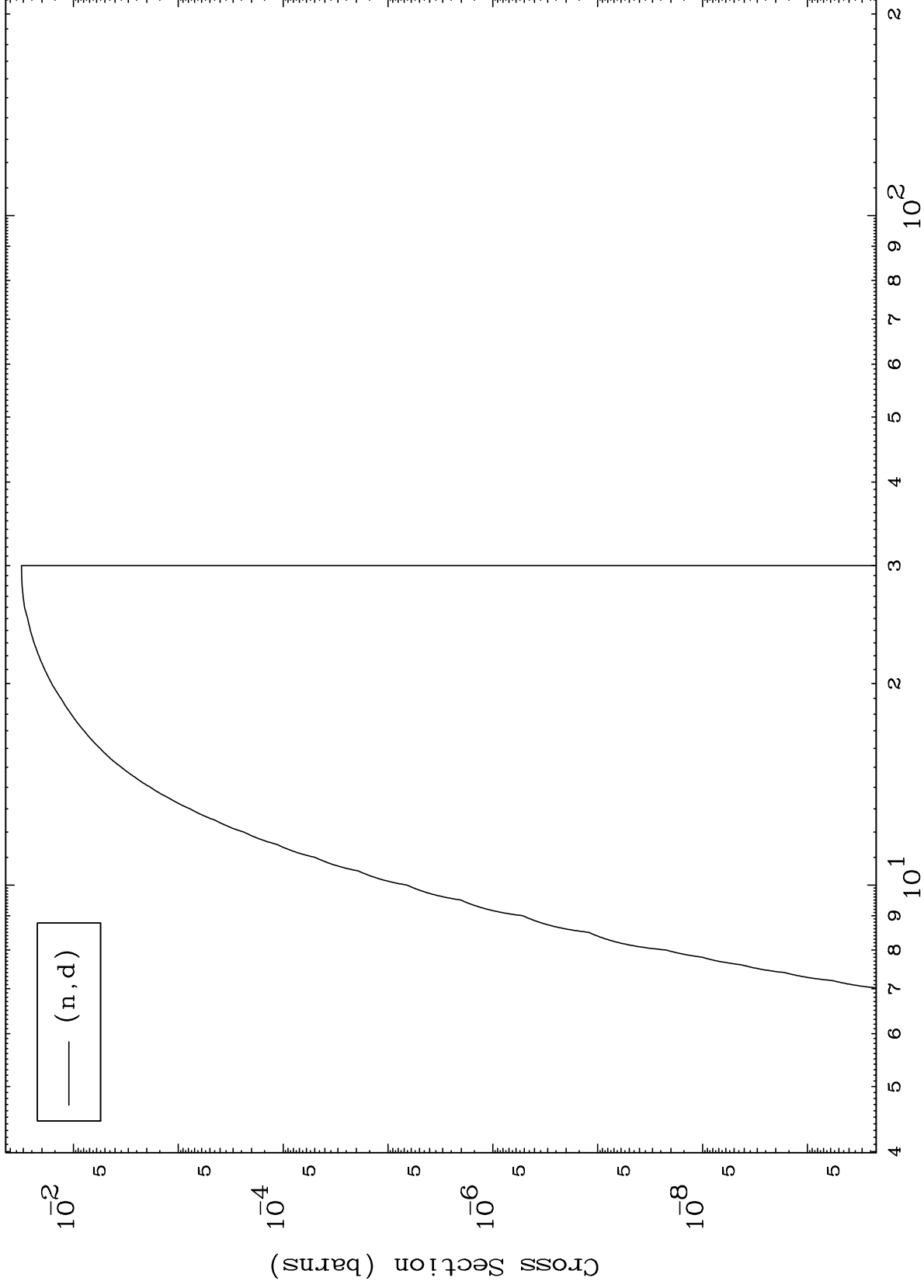
54-Xe-122



MAT 5419

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-122



12

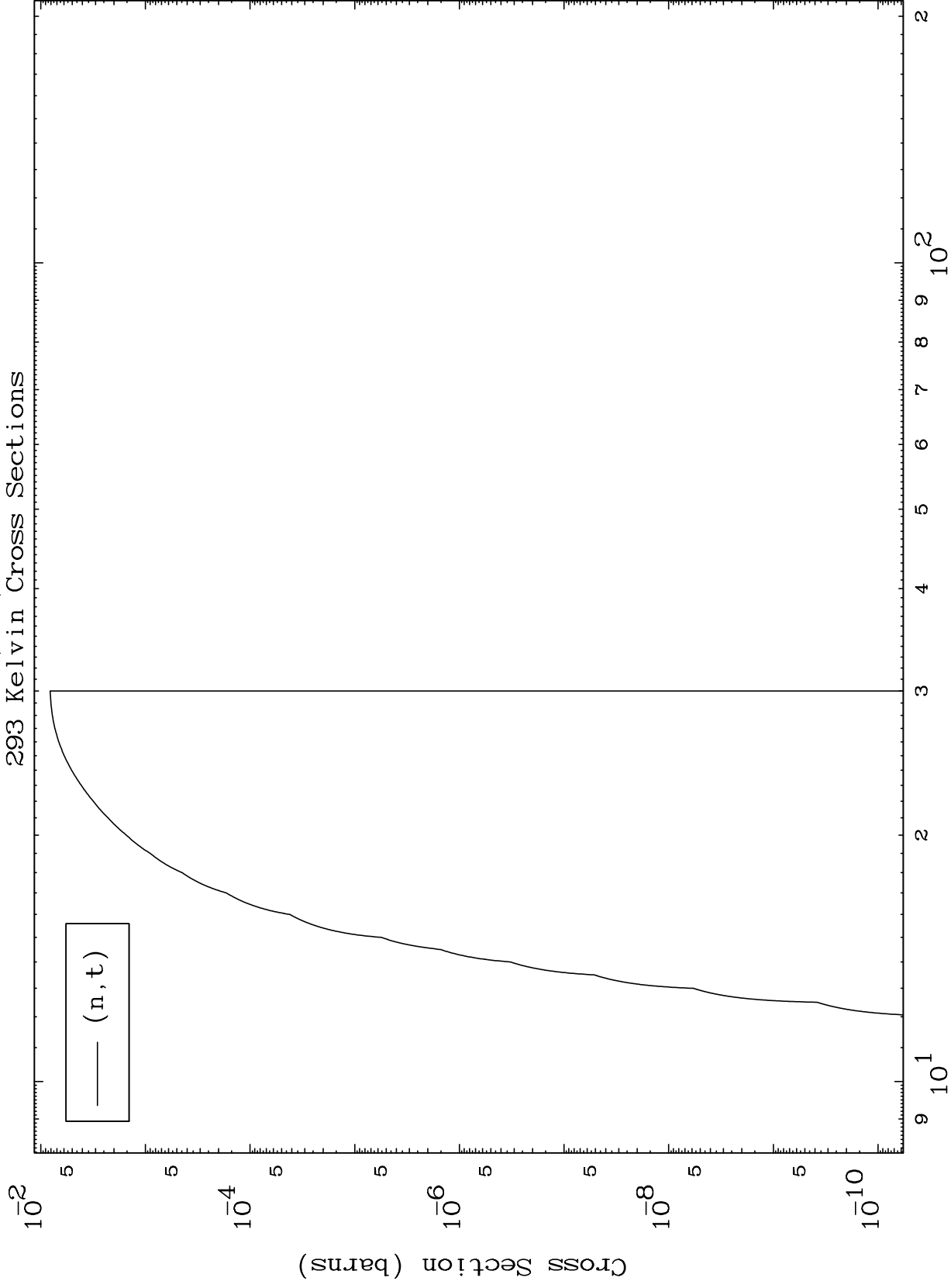
Incident Energy (MeV)

54-Xe-122

MAT 5419

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-122



13

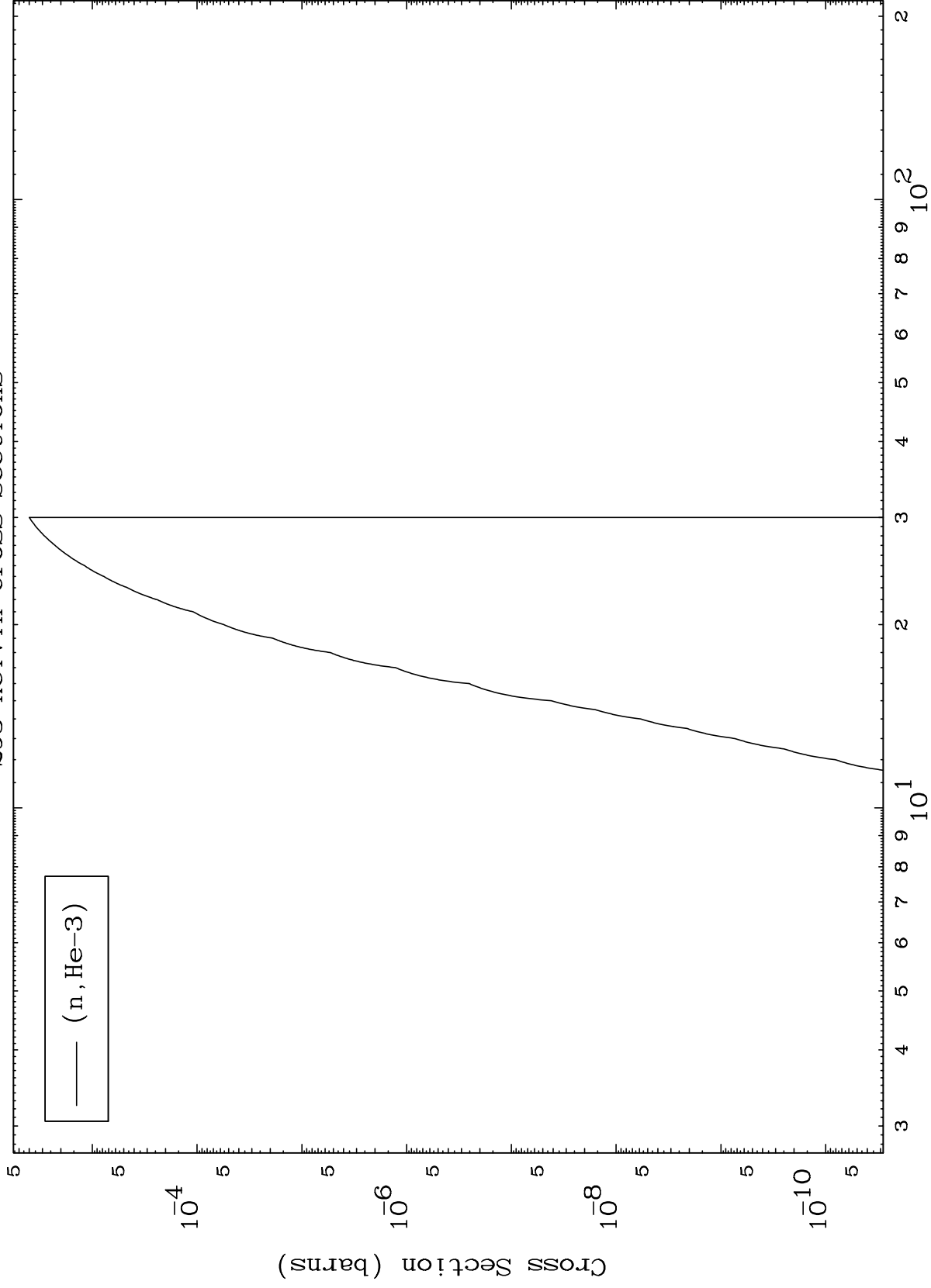
Incident Energy (MeV)

54-Xe-122

MAT 5419

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-122



14

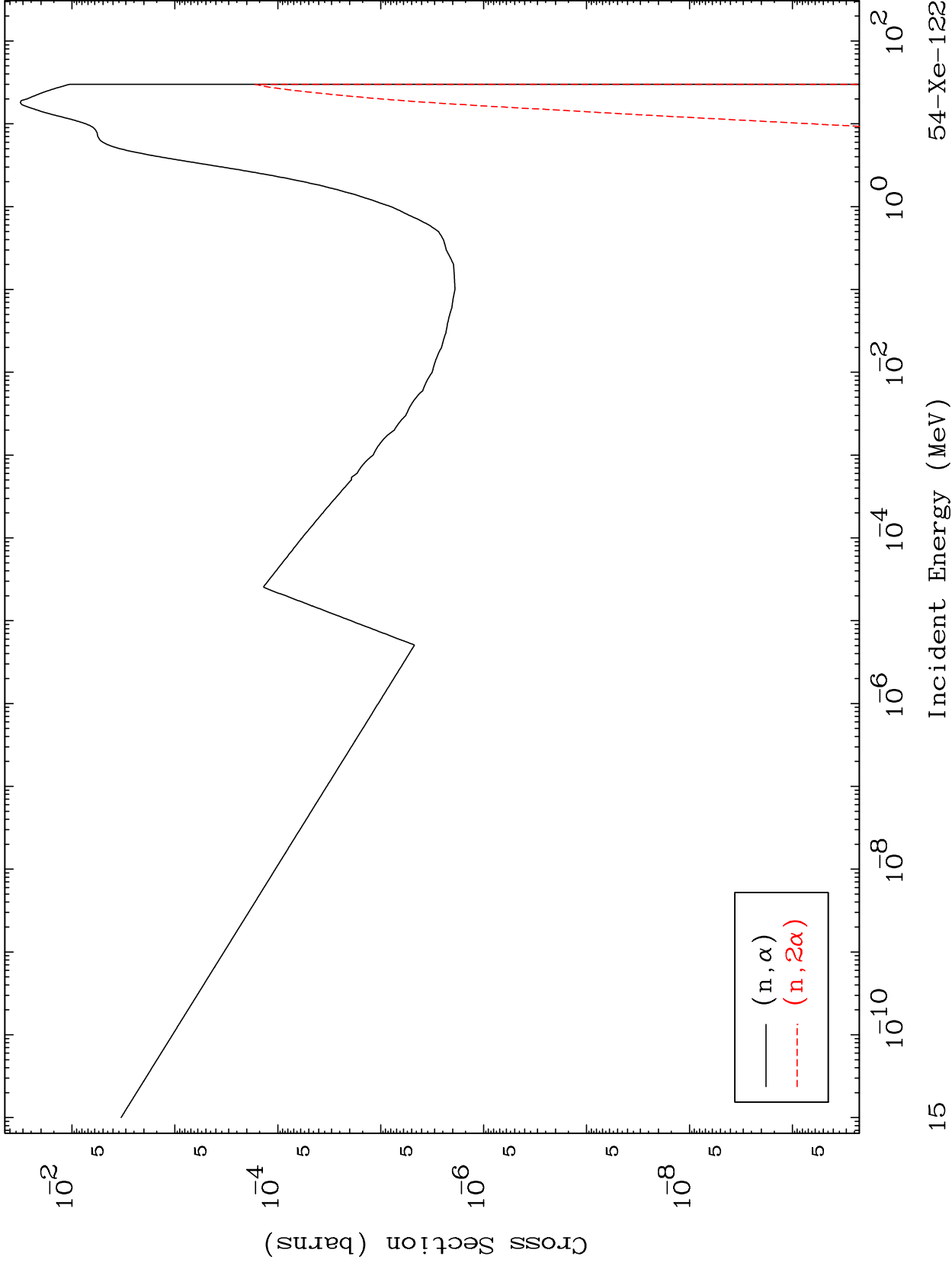
Incident Energy (MeV)

54-Xe-122

MAT 5419

(n,α) Levels  
293 Kelvin Cross Sections

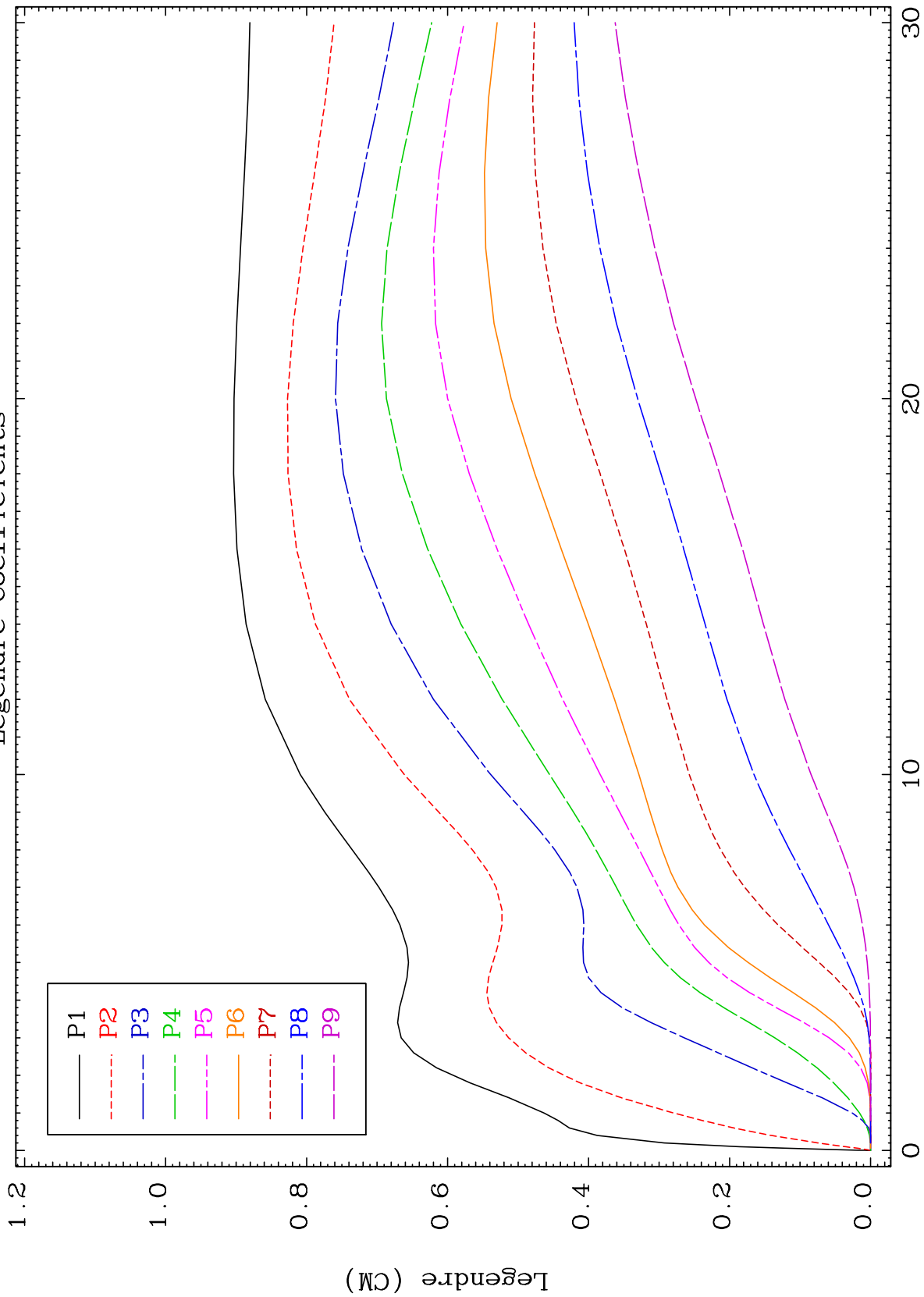
54-Xe-122



MAT 5419

Elastic Legendre Coefficients

54-Xe-122



16

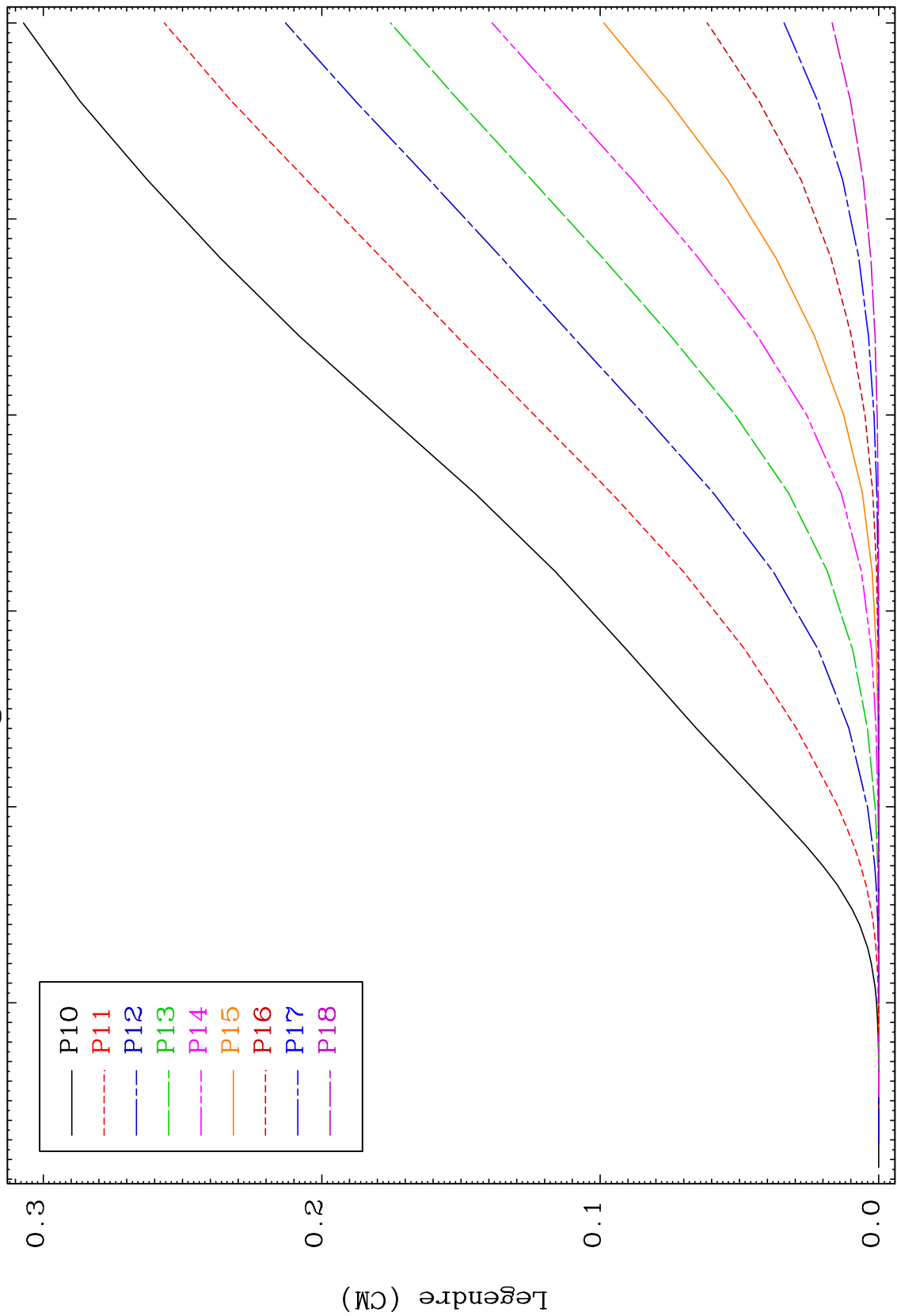
Incident Energy (MeV)

54-Xe-122

MAT 5419

Elastic Legendre Coefficients

54-Xe-122



17

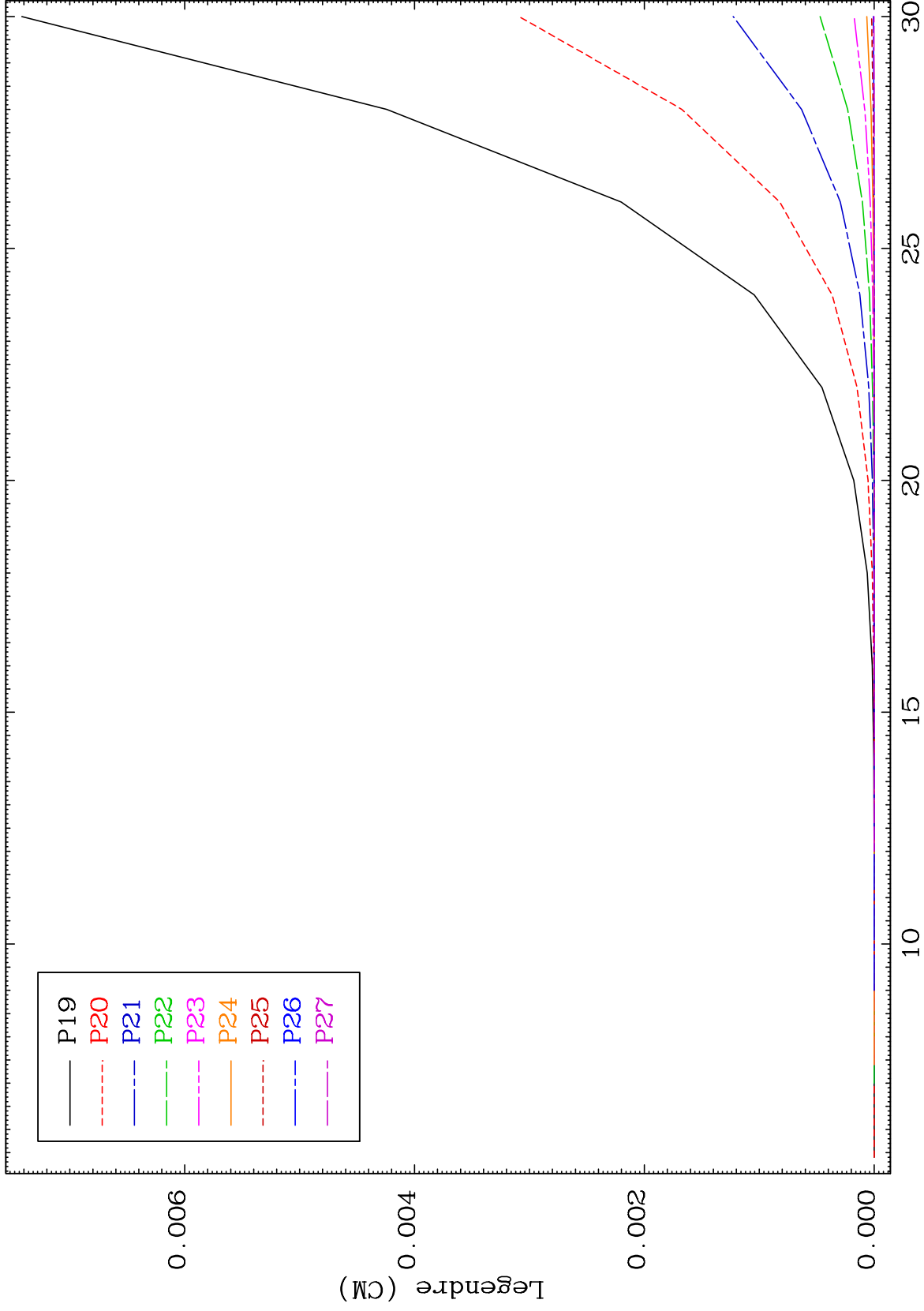
Incident Energy (MeV)

54-Xe-122

MAT 5419

### Elastic Legendre Coefficients

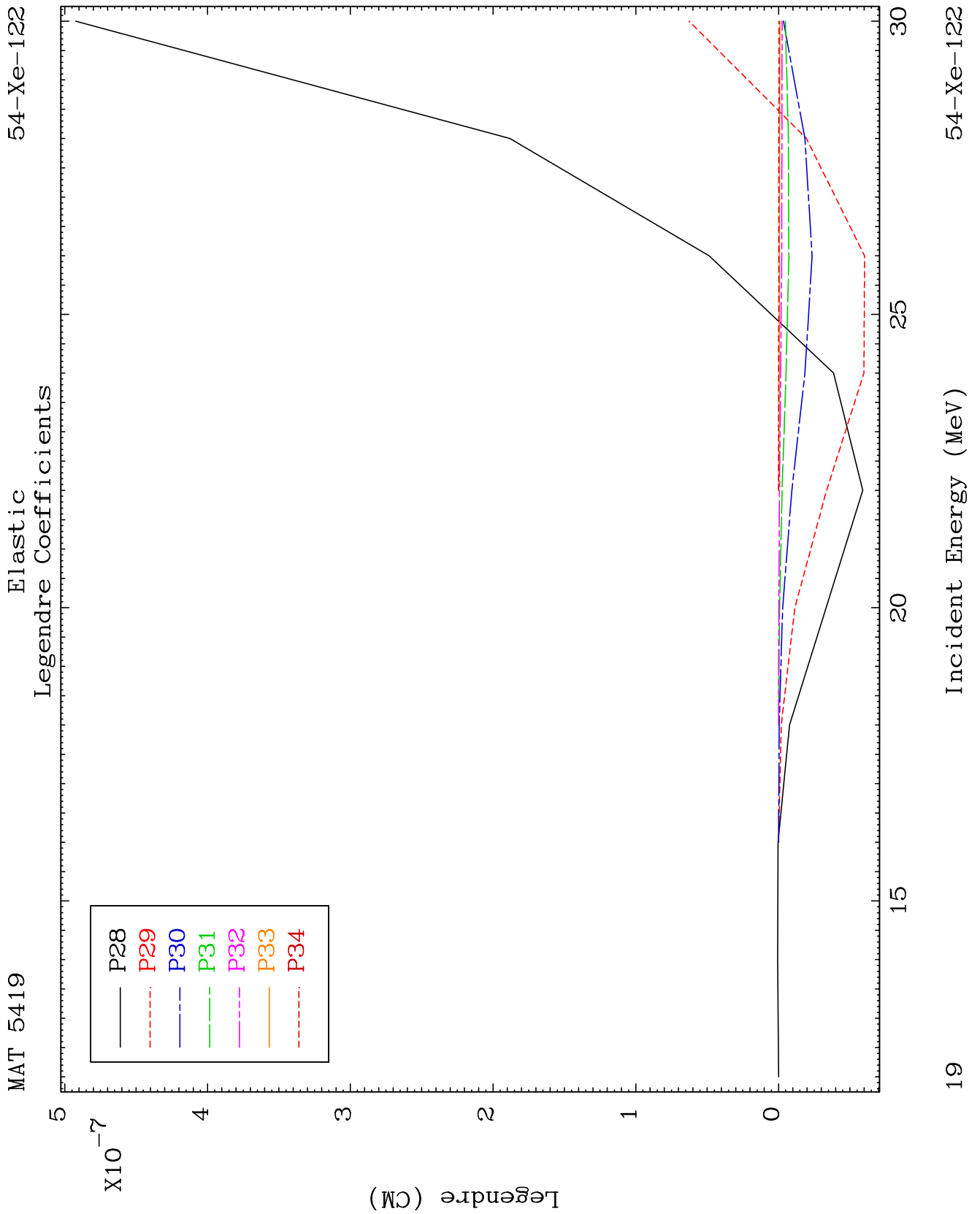
54-Xe-122



18

Incident Energy (MeV)

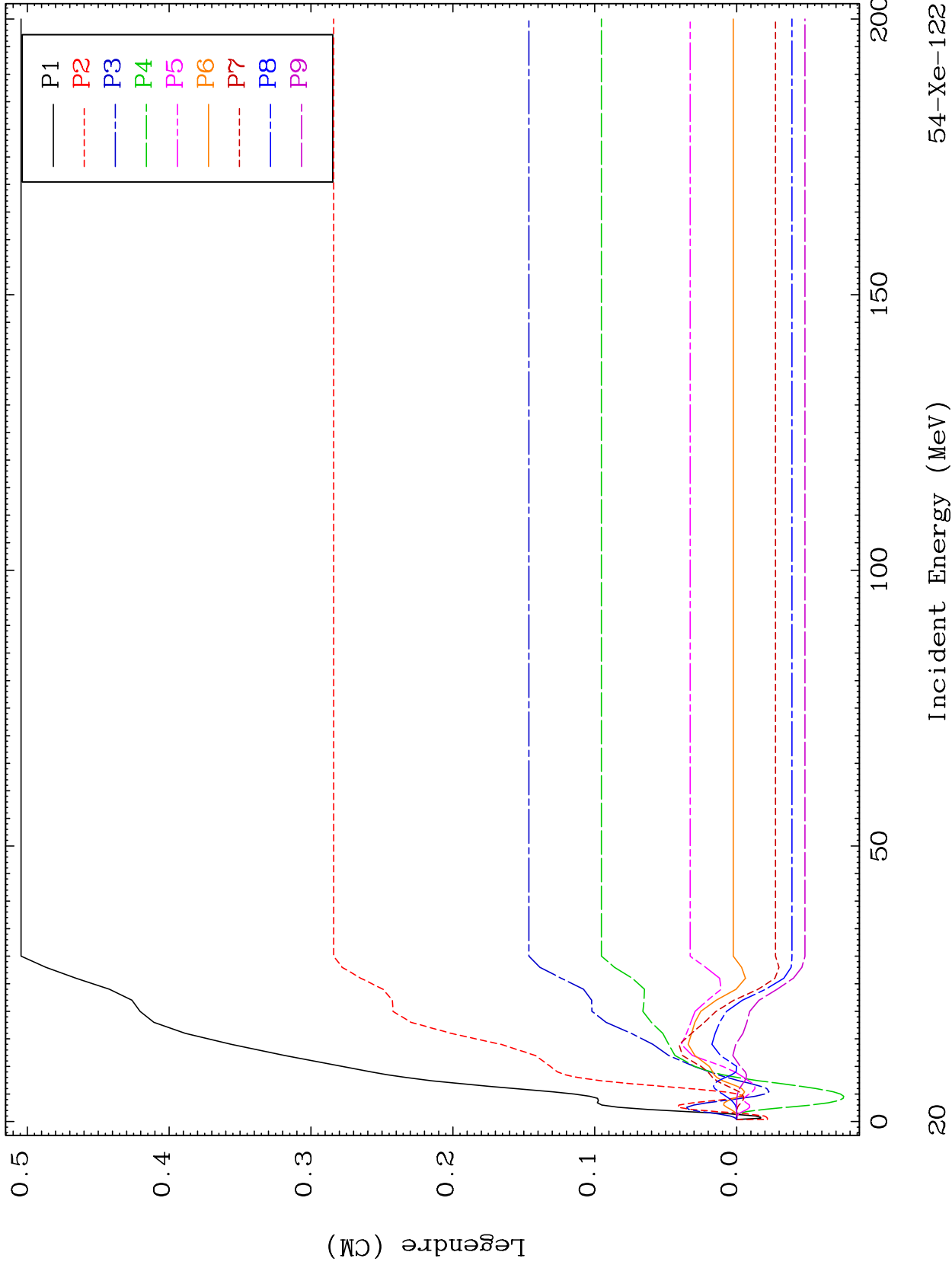
54-Xe-122



MAT 5419

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

54-Xe-122



54-Xe-122

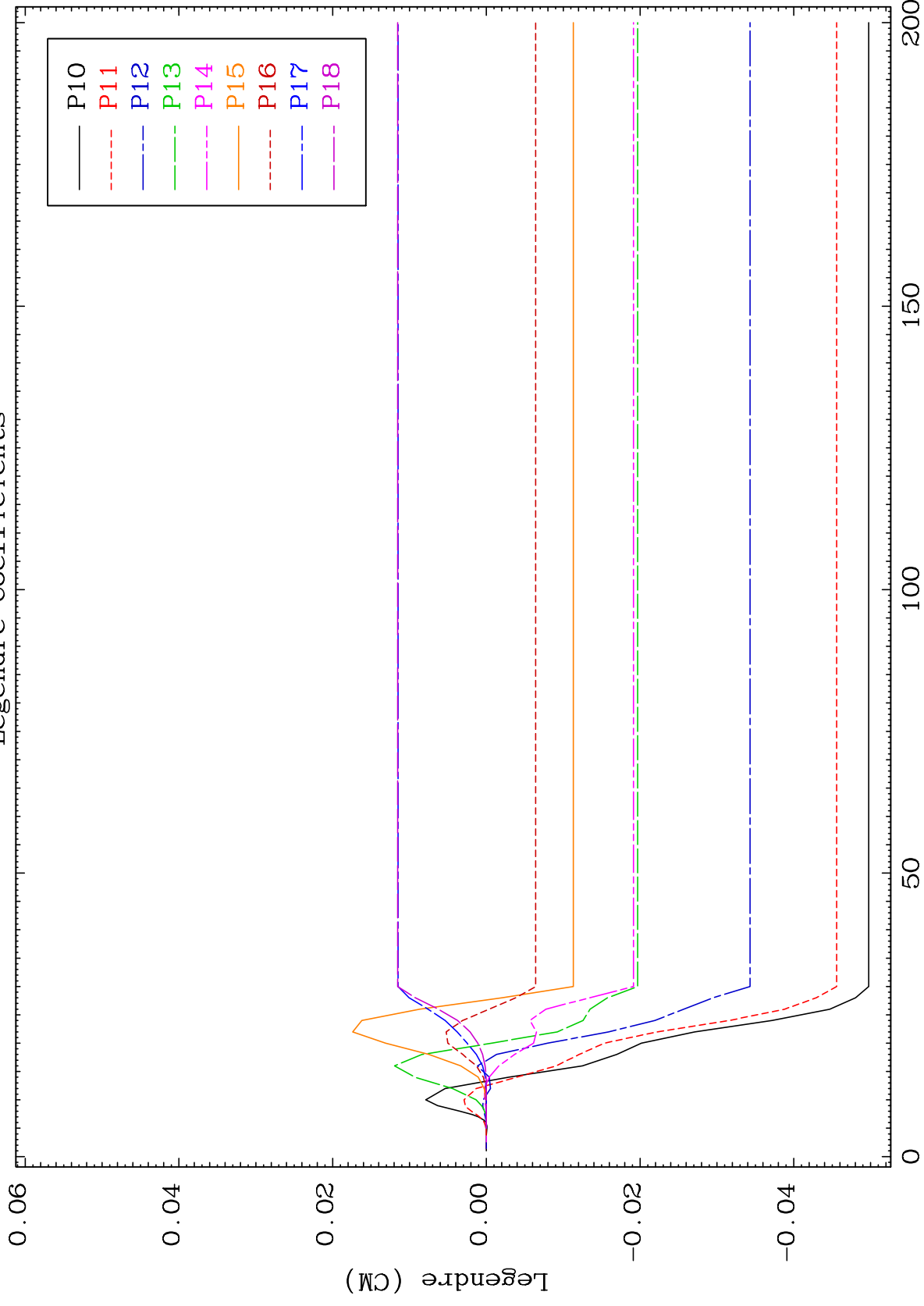
Incident Energy (MeV)

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MAT 5419

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

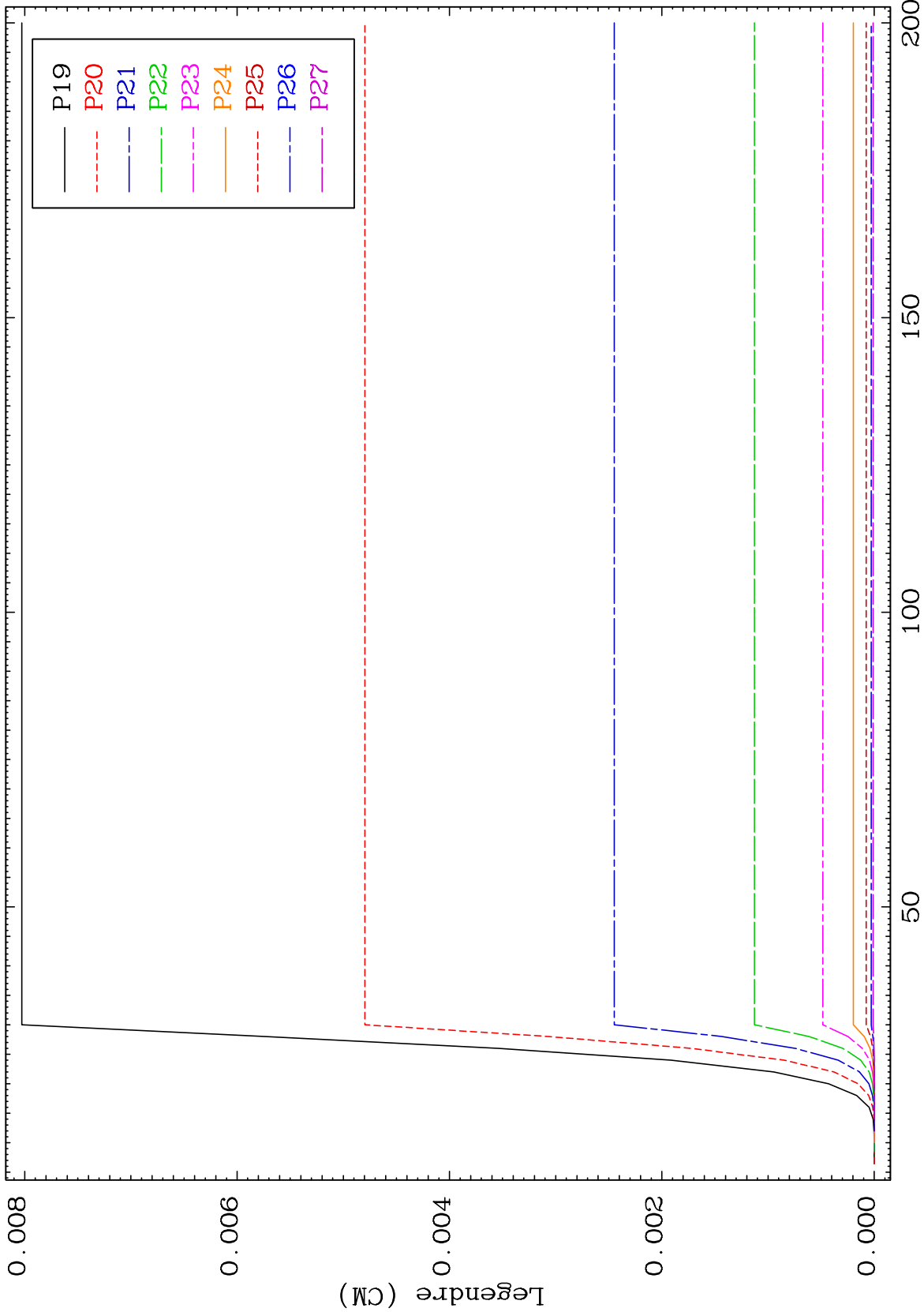
54-Xe-122



MAT 5419

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

54-Xe-122



22

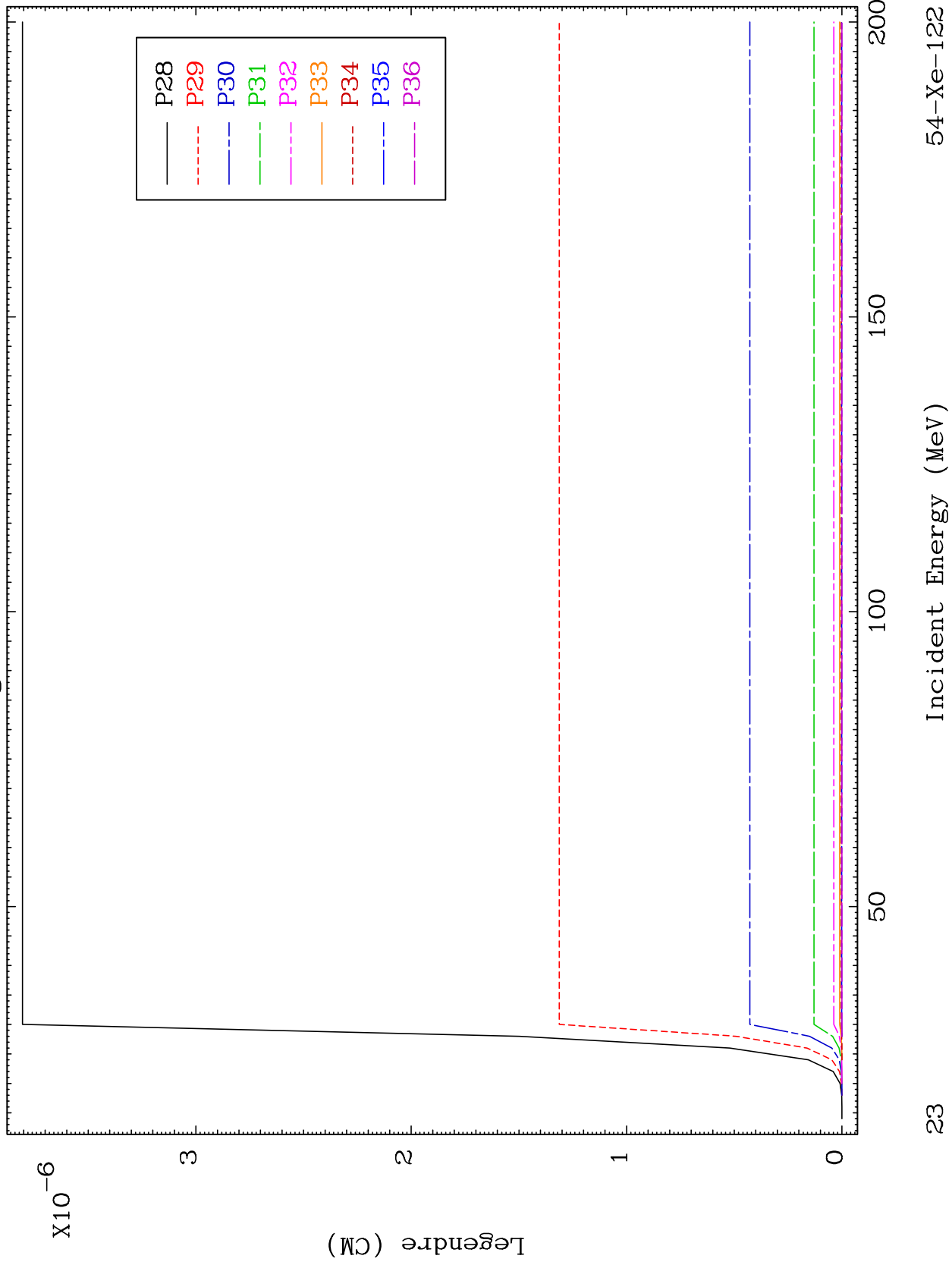
Incident Energy (MeV)

54-Xe-122

MAT 5419

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

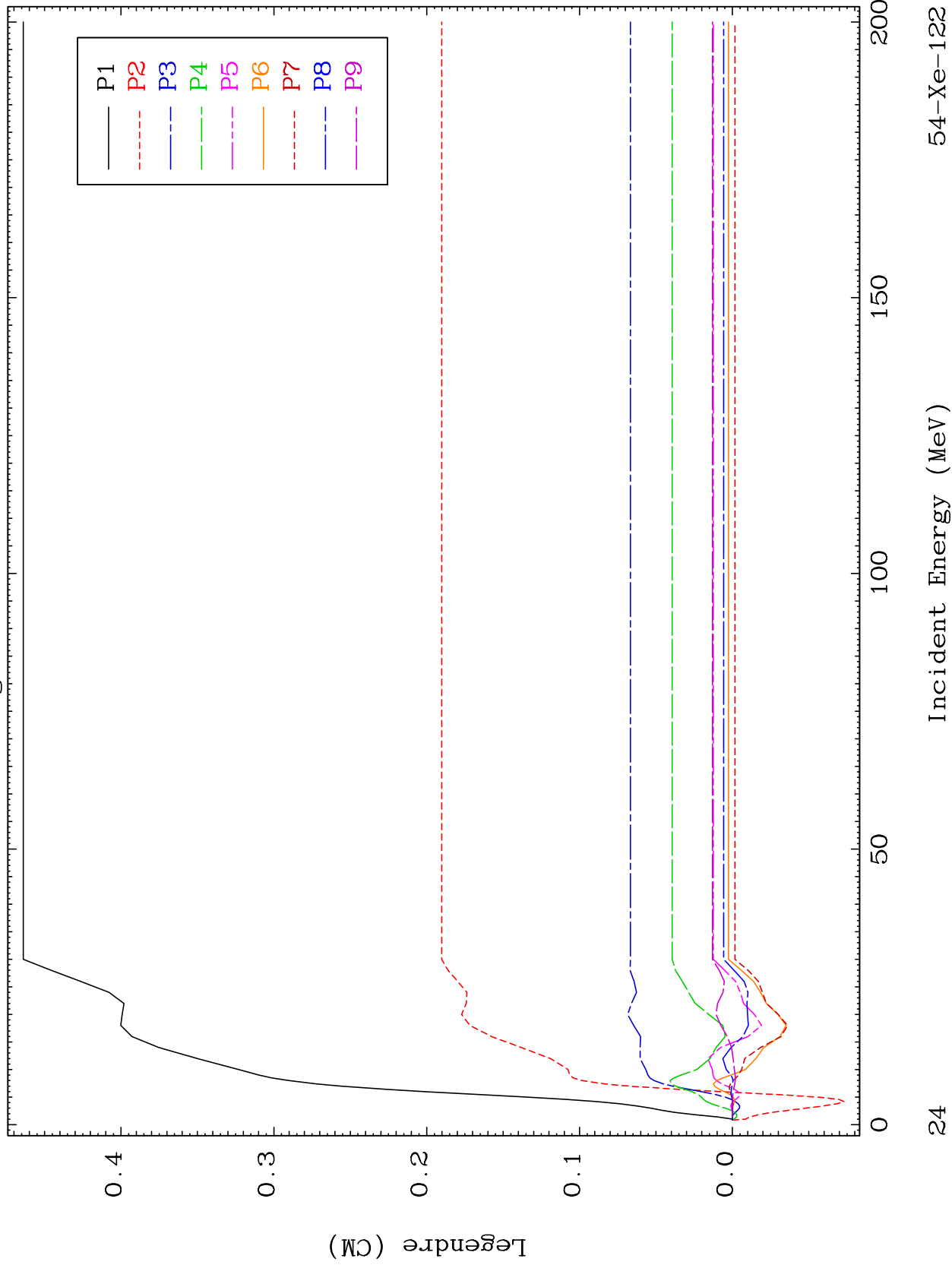
54-Xe-122



MAT 5419

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

54-Xe-122



54-Xe-122

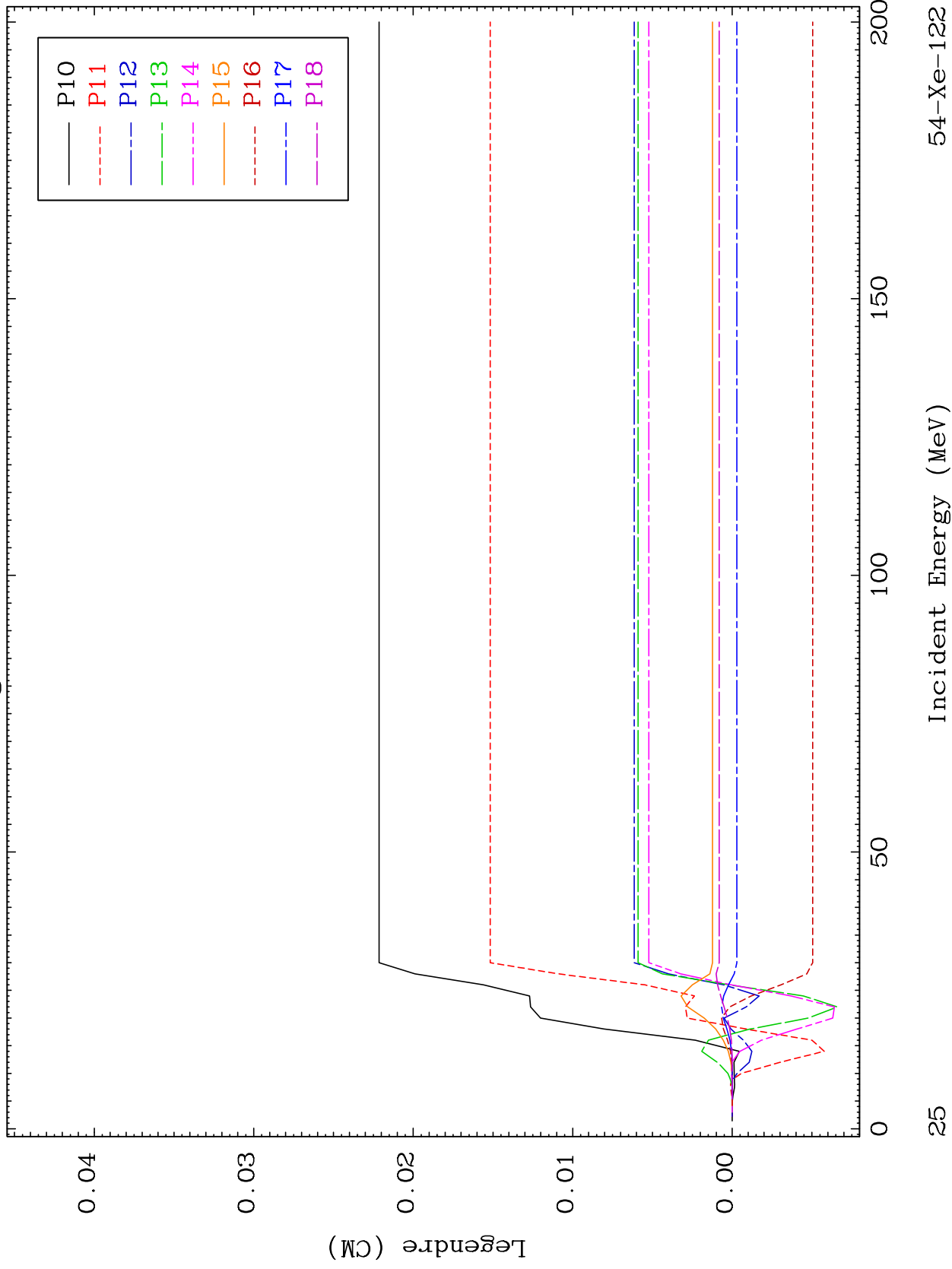
Incident Energy (MeV)

24

MAT 5419

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

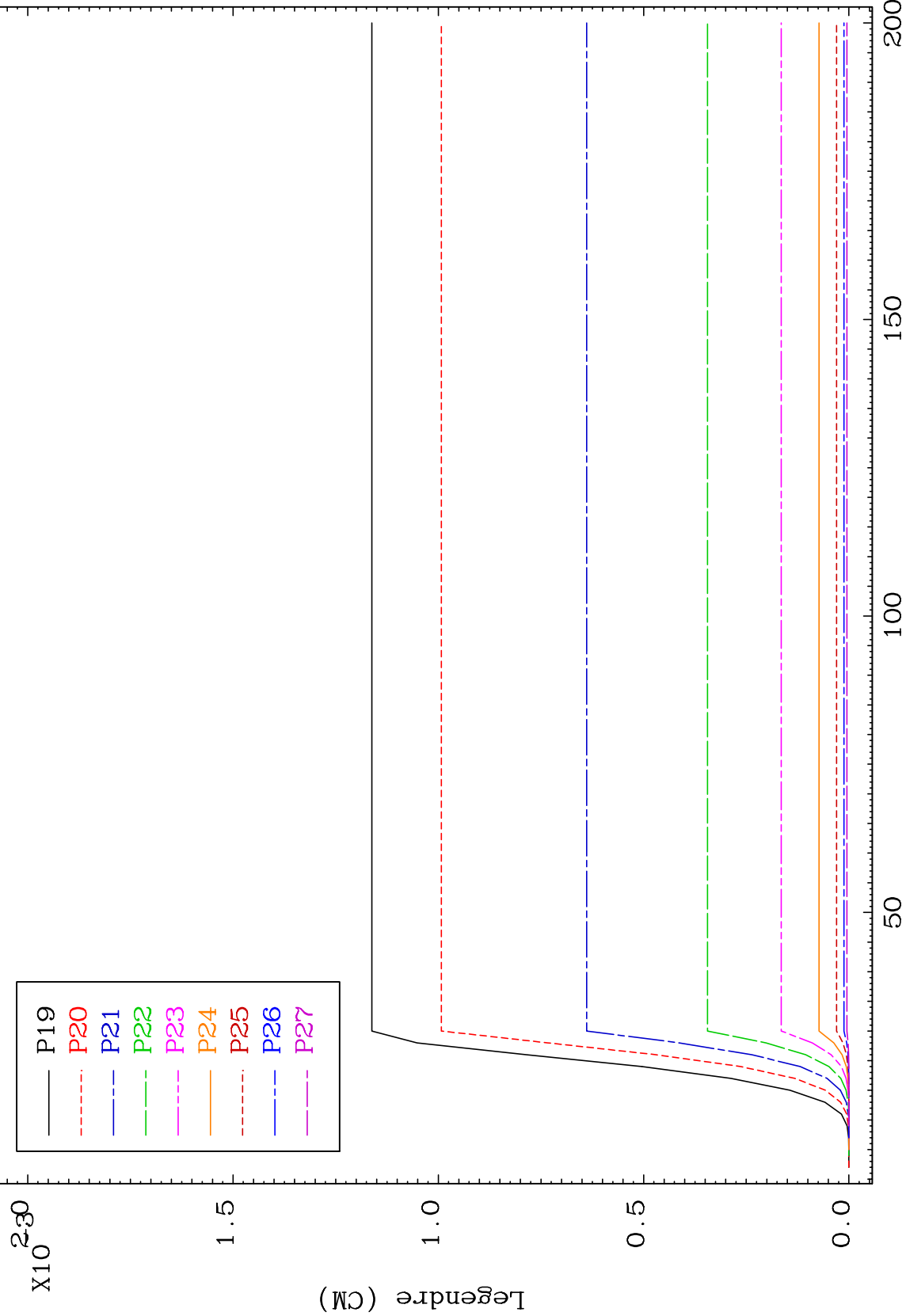
54-Xe-122



54-Xe-122

Incident Energy (MeV)

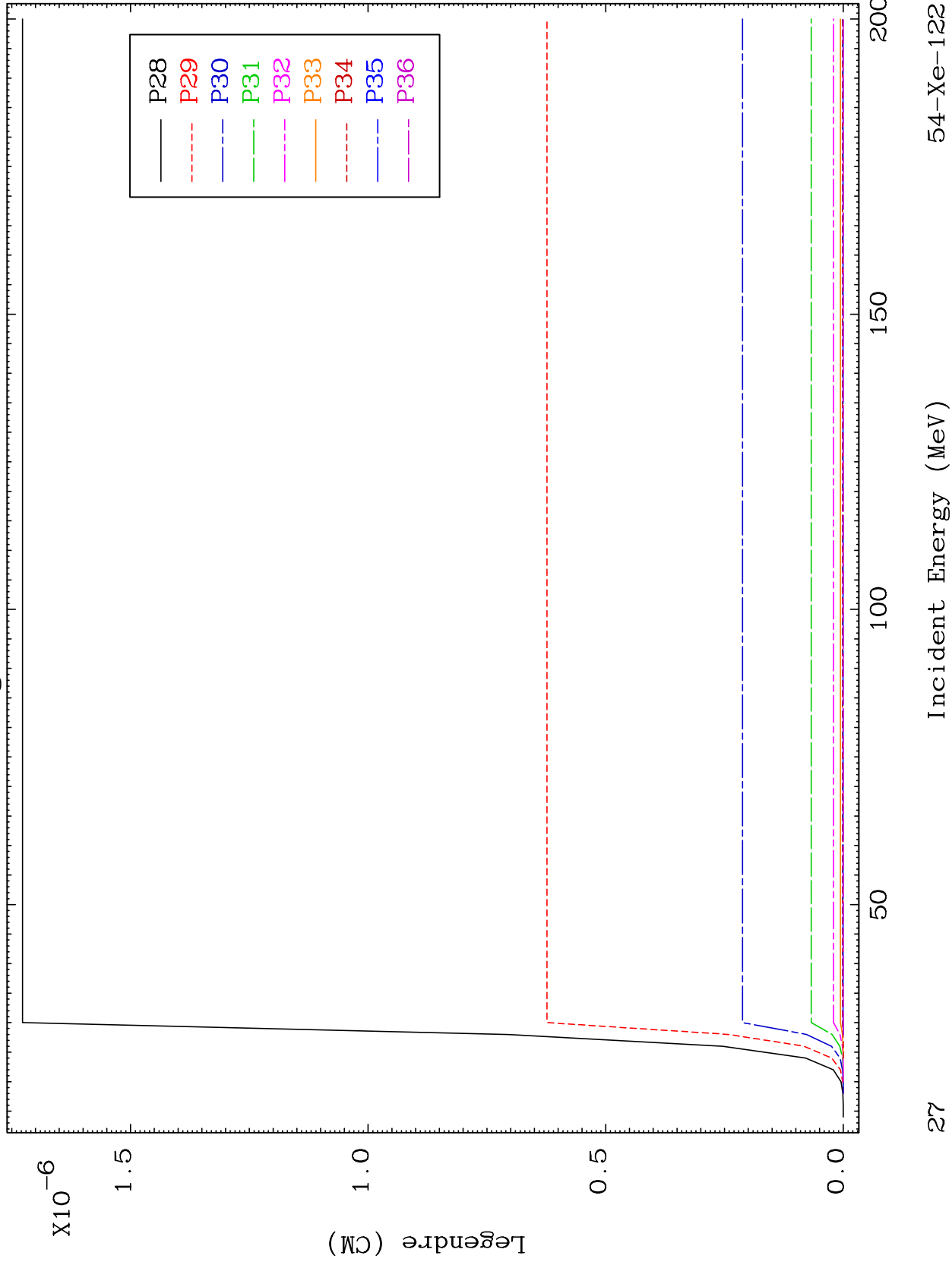
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MAT 5419

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

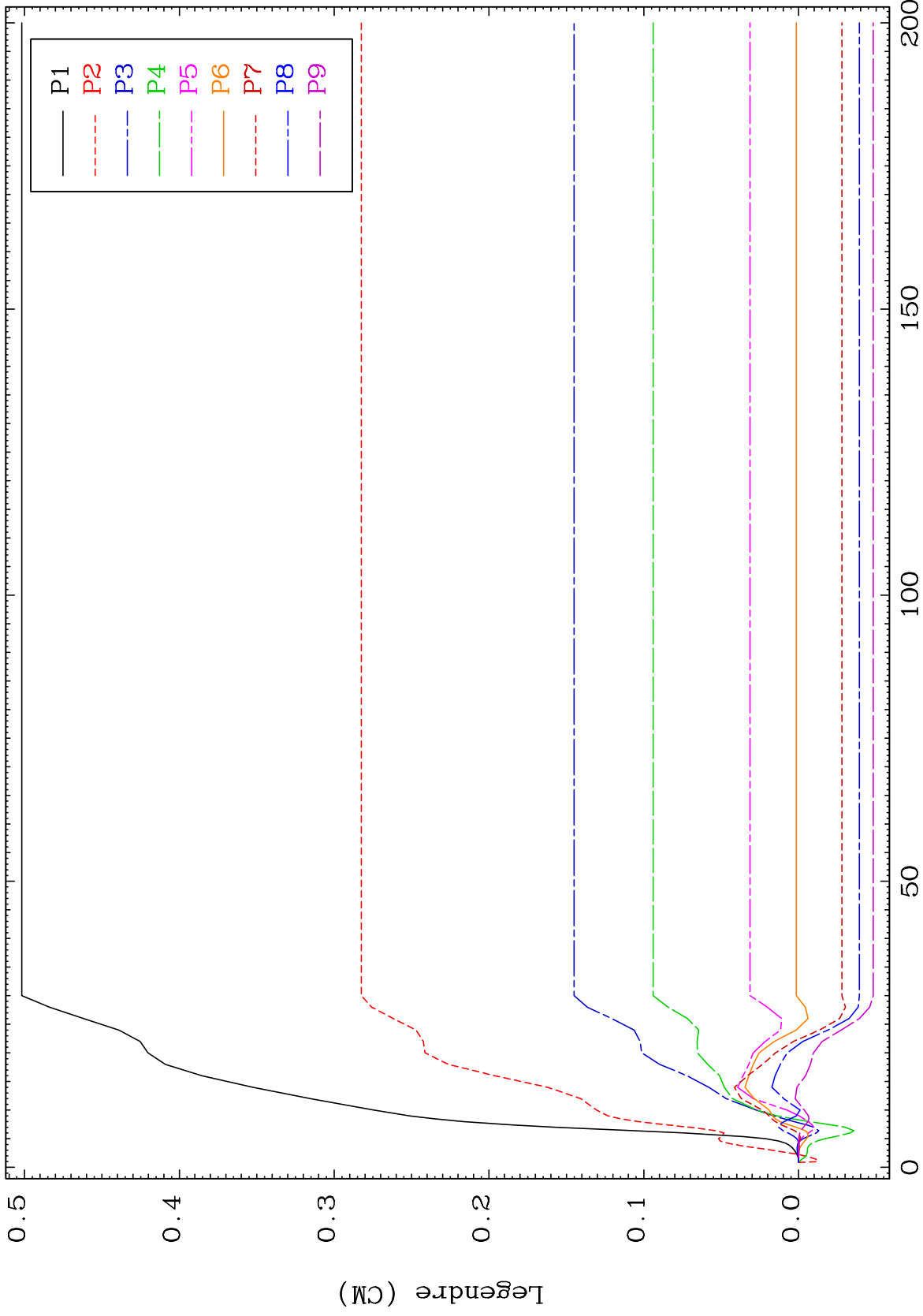
54-Xe-122



MAT 5419

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

54-Xe-122



28

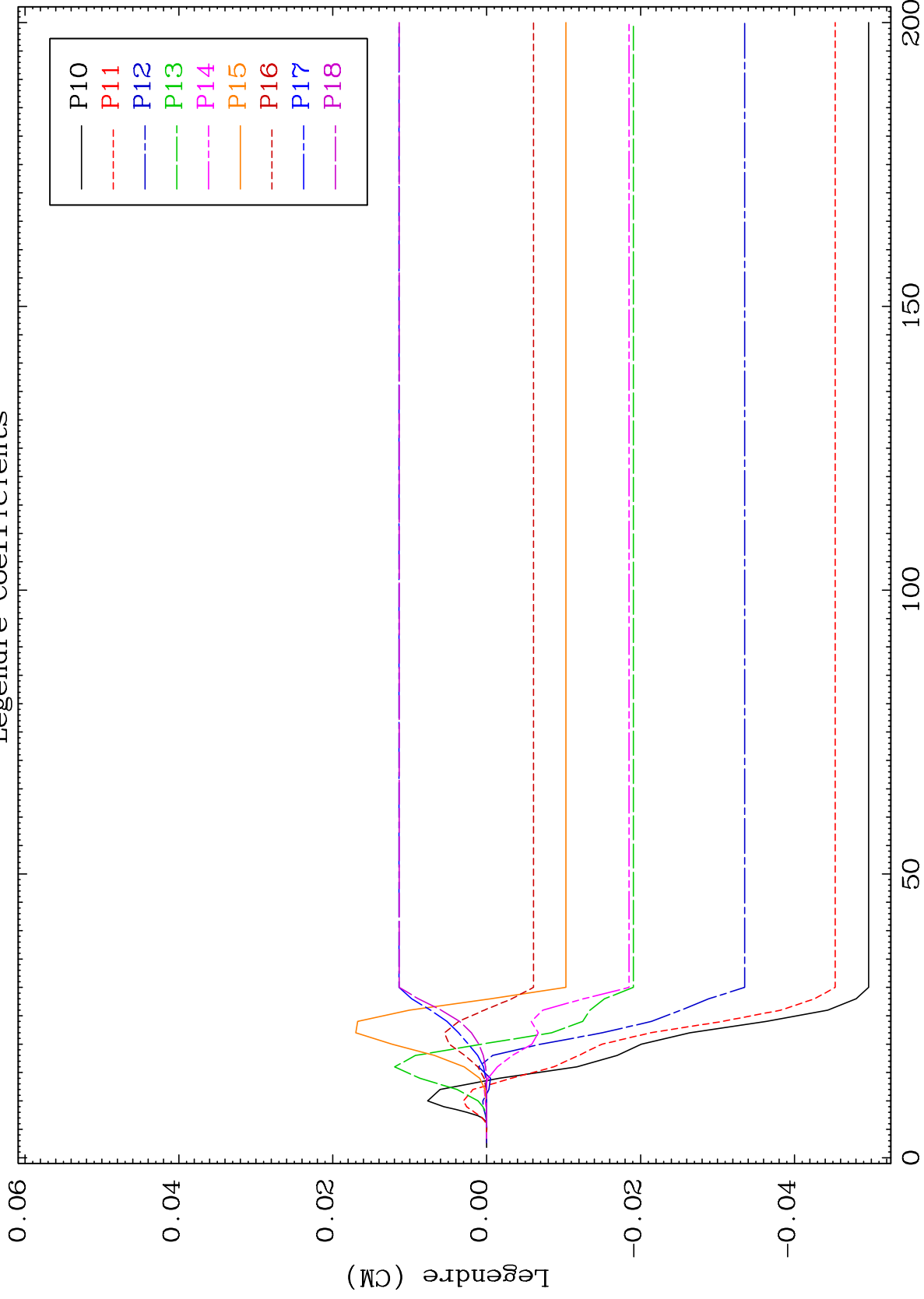
Incident Energy (MeV)

54-Xe-122

MAT 5419

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

54-Xe-122



29

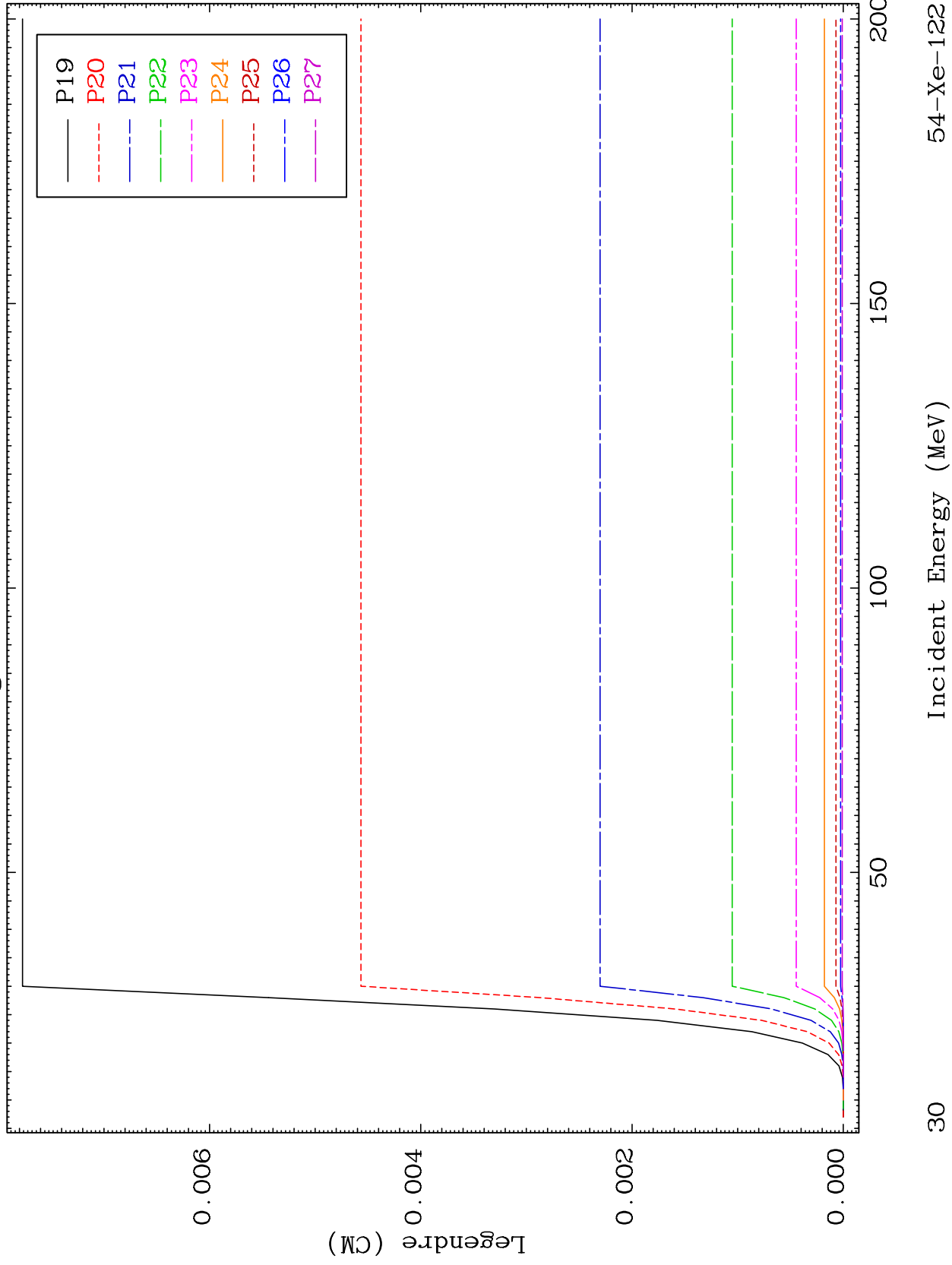
Incident Energy (MeV)

54-Xe-122

MAT 5419

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

54-Xe-122



30

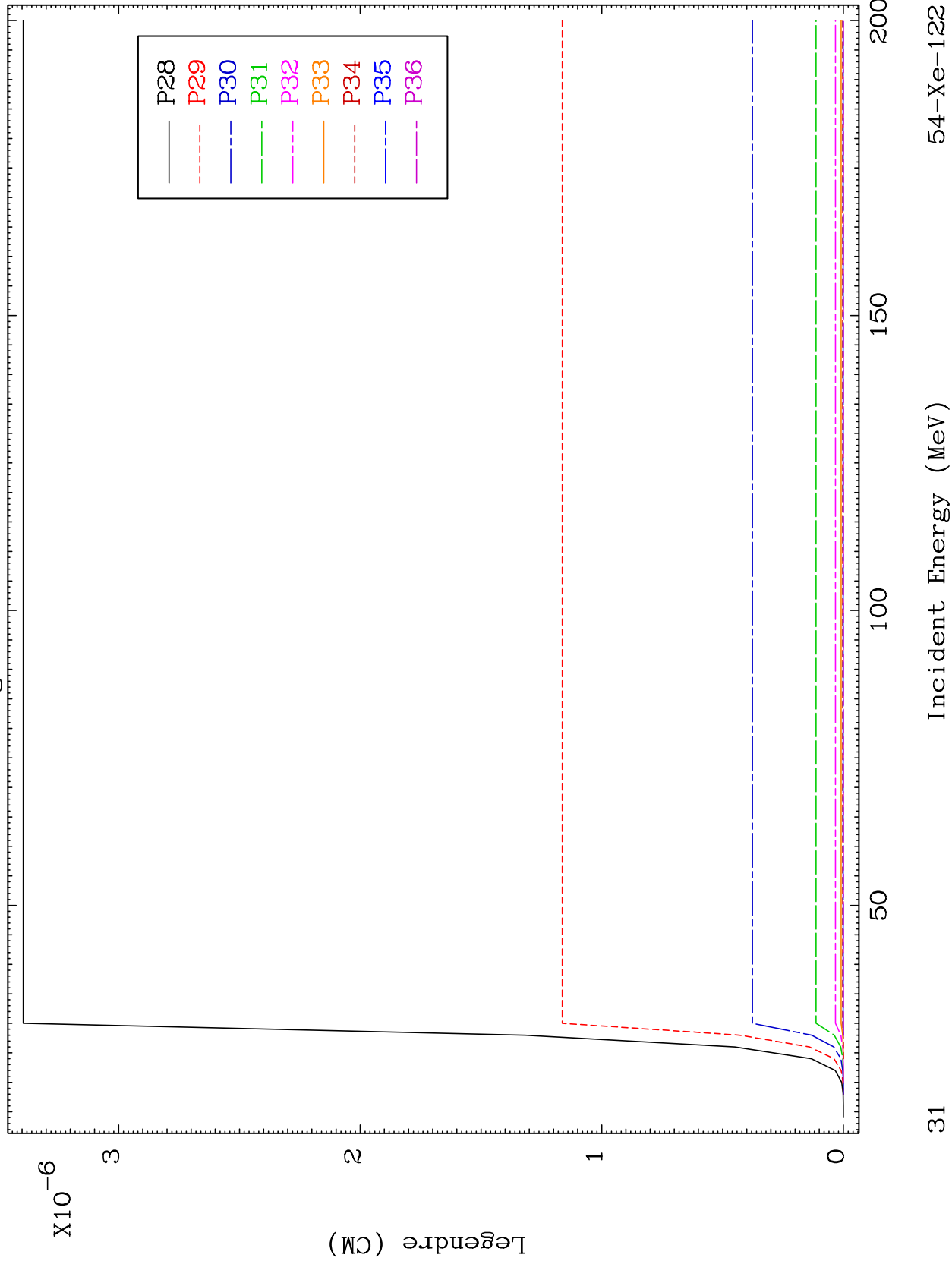
Incident Energy (MeV)

54-Xe-122

MAT 5419

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

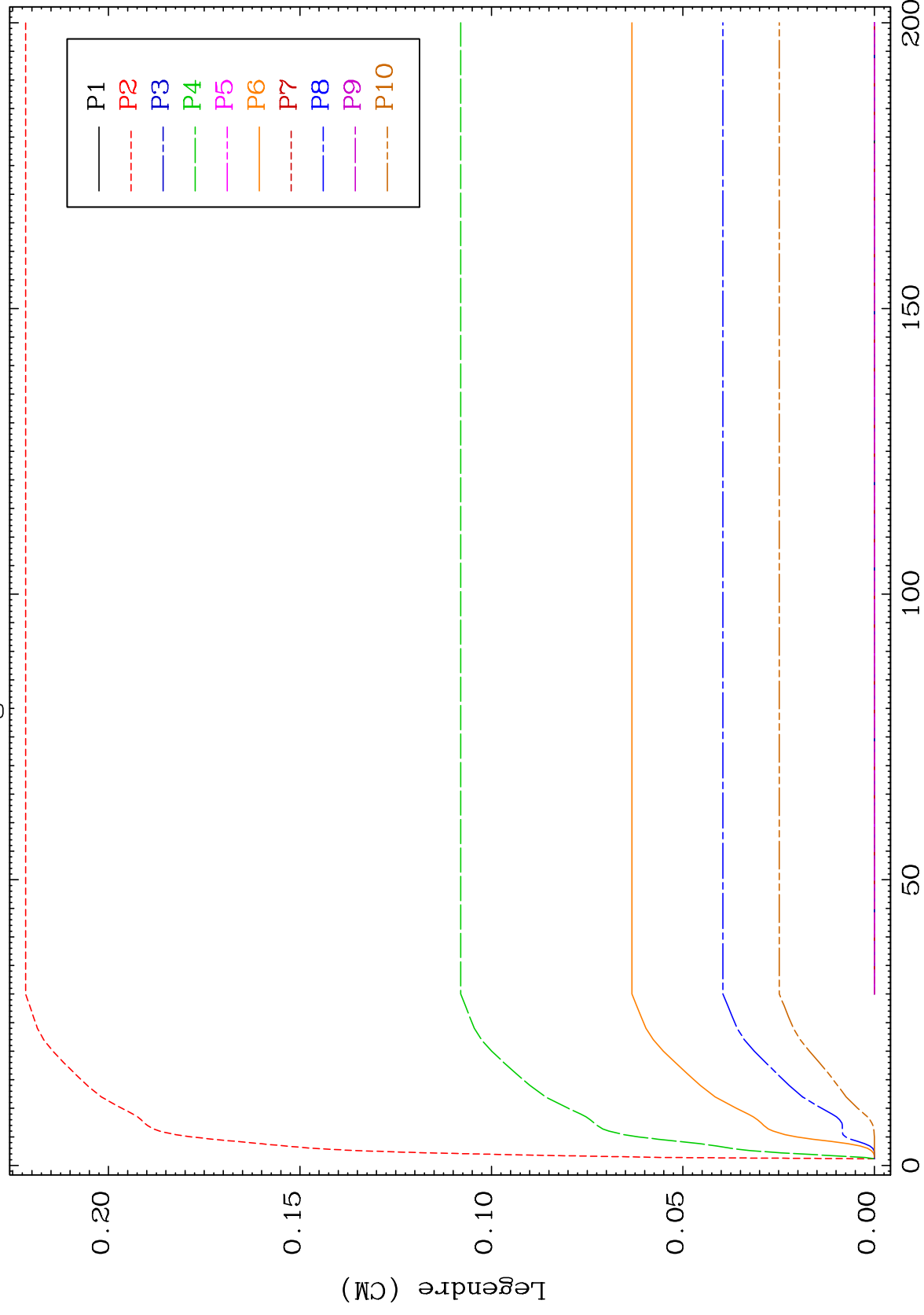
54-Xe-122



MAT 5419

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

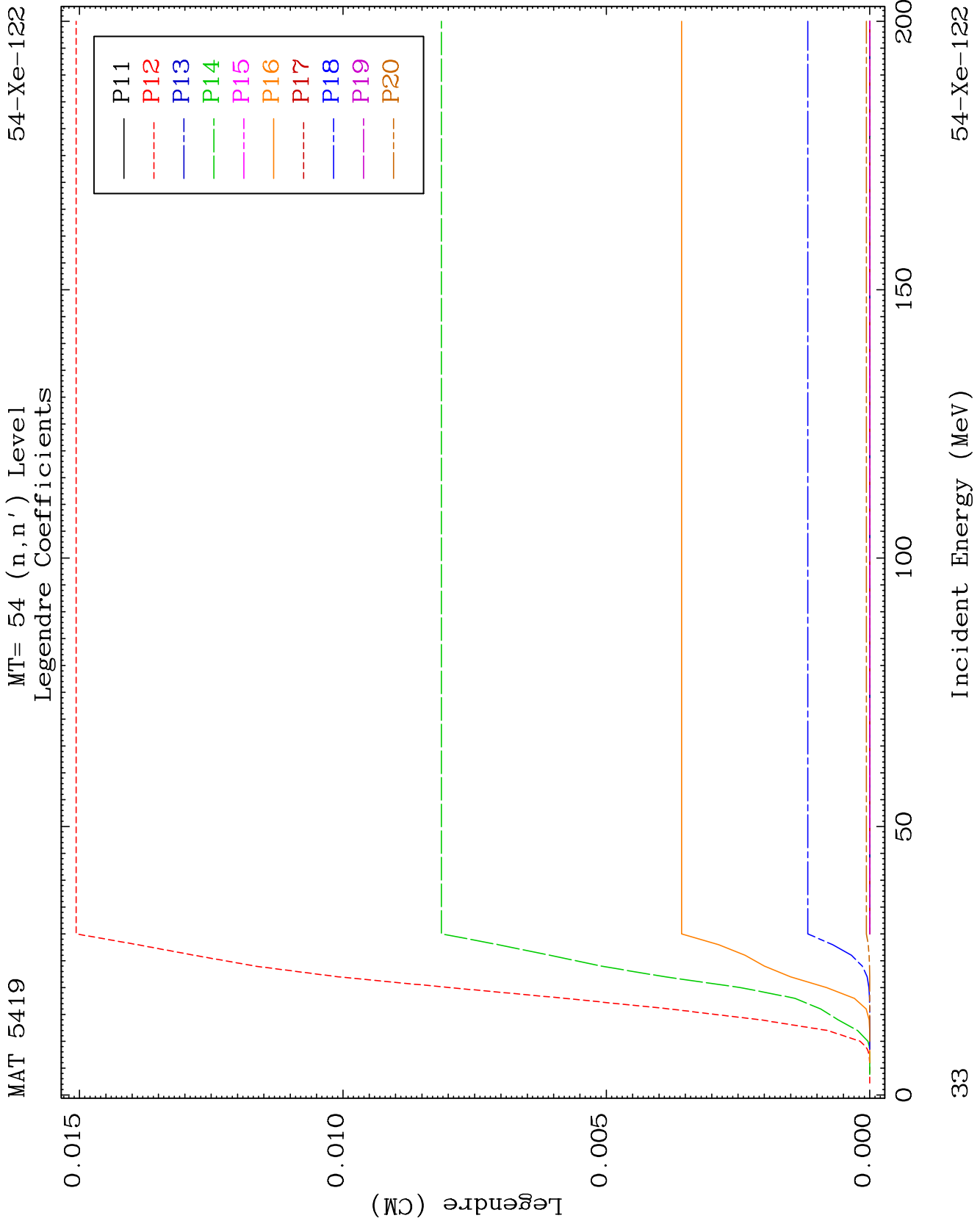
54-Xe-122



54-Xe-122

Incident Energy (MeV)

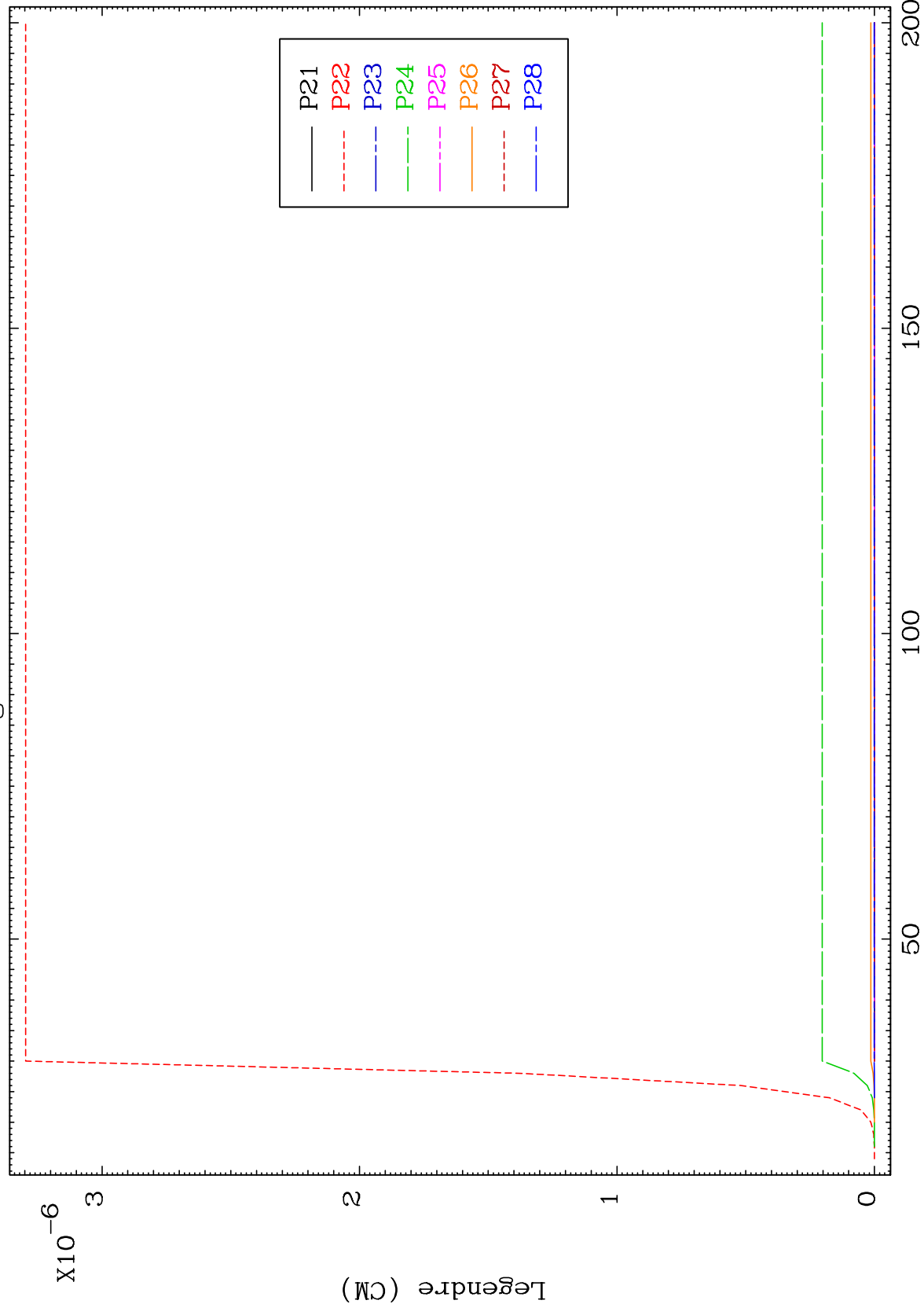
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MAT 5419

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

54-Xe-122



34

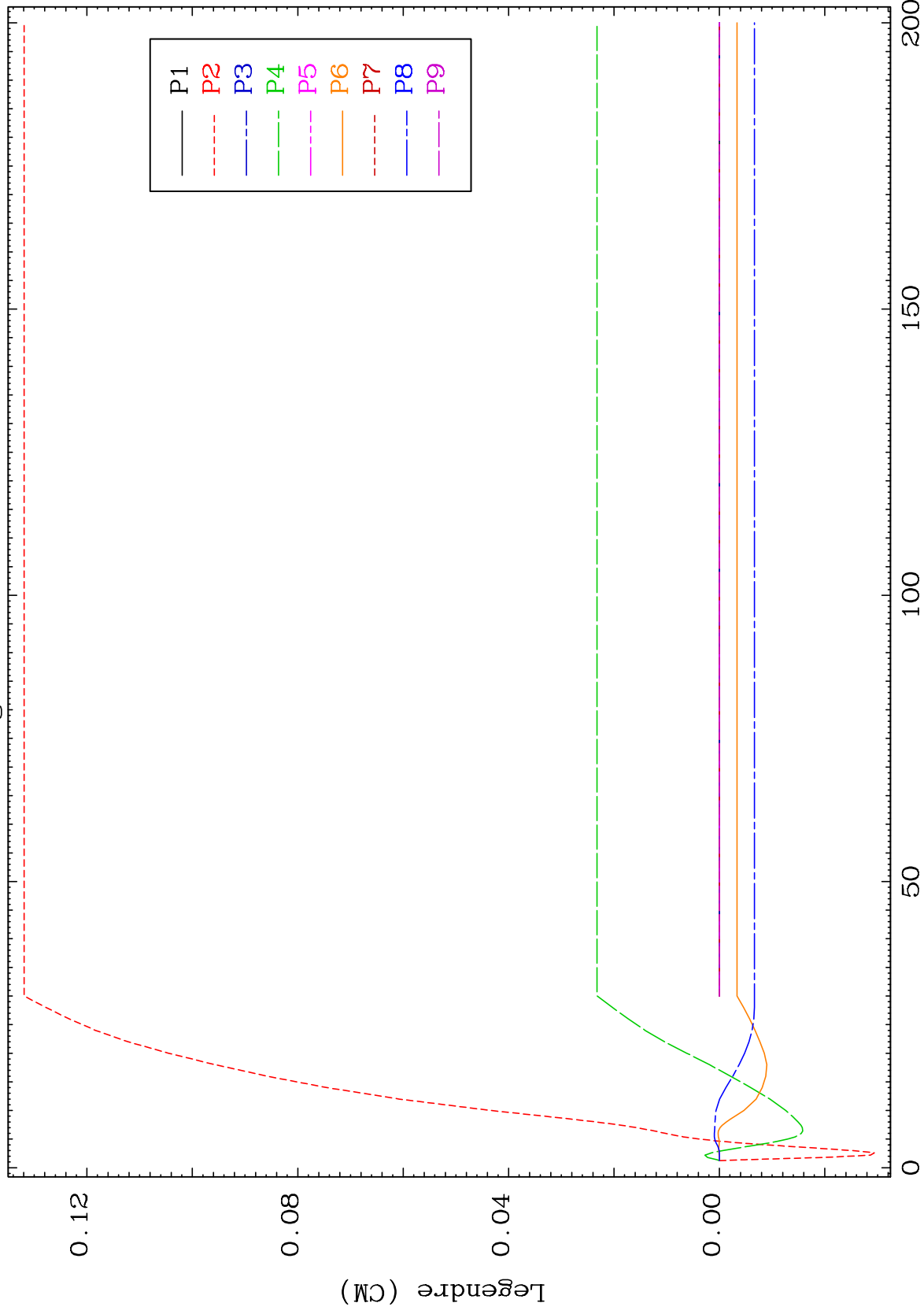
Incident Energy (MeV)

54-Xe-122

MAT 5419

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

54-Xe-122



54-Xe-122

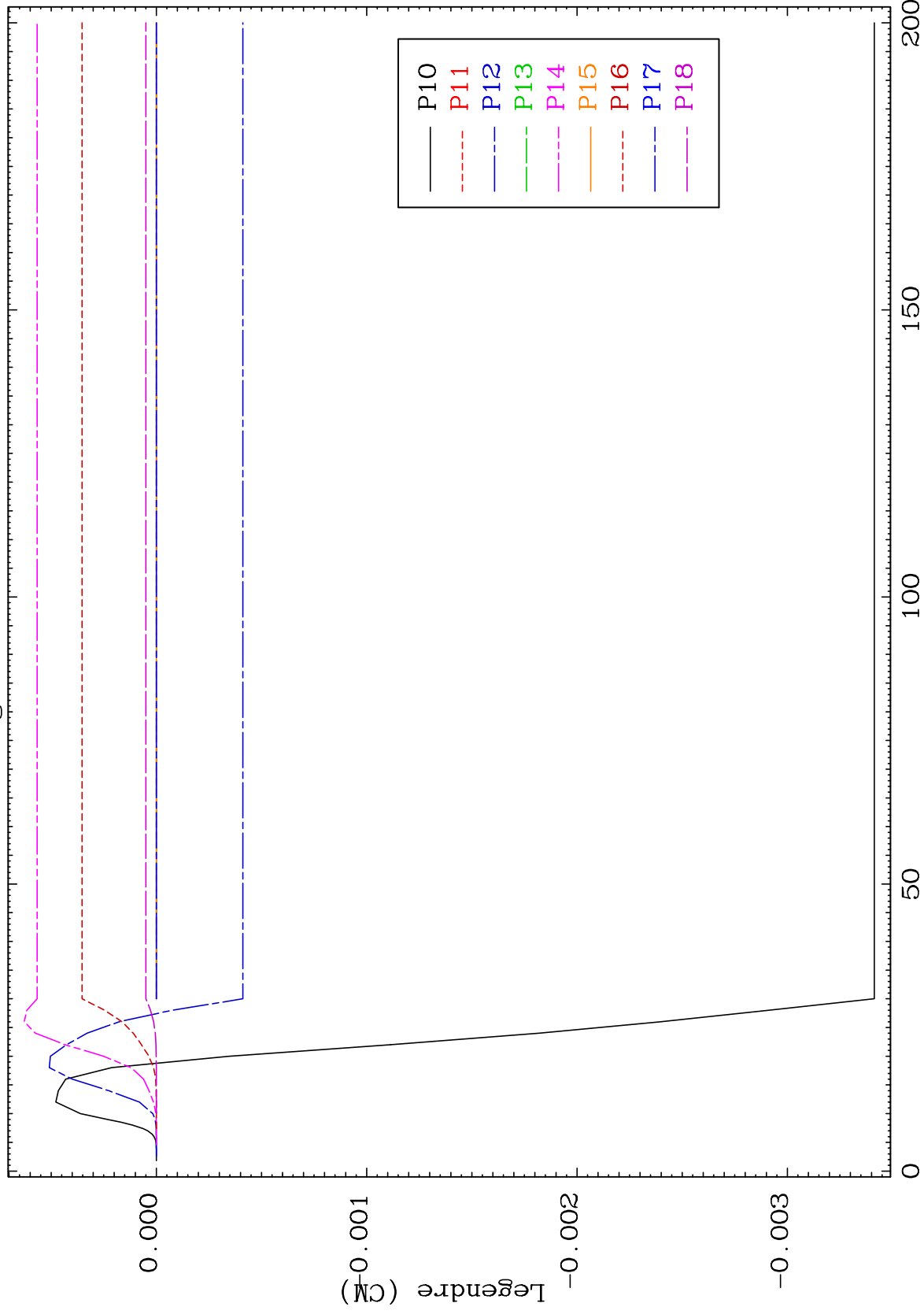
Incident Energy (MeV)

35

MAT 5419

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

54-Xe-122



36

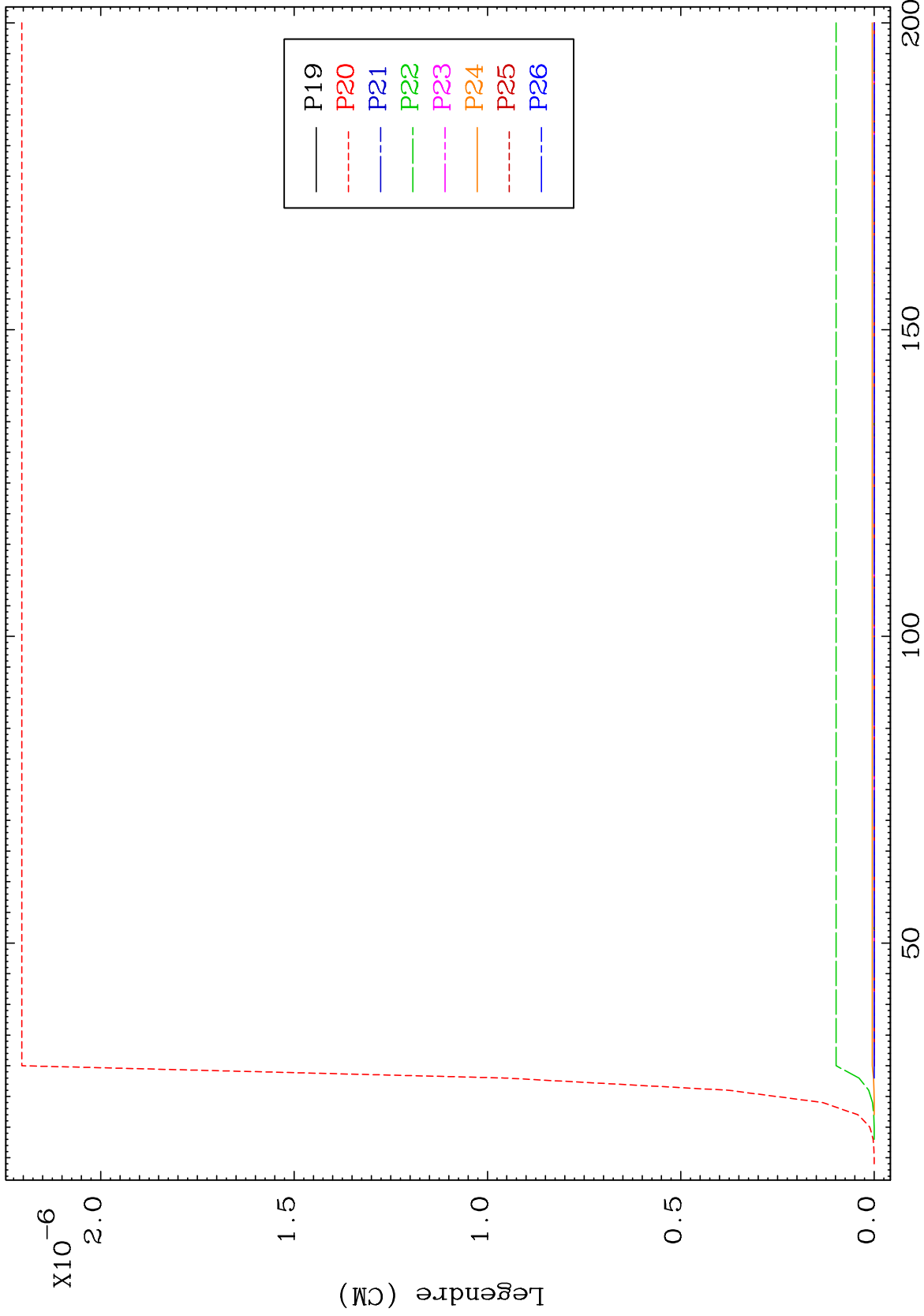
Incident Energy (MeV)

54-Xe-122

MAT 5419

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

54-Xe-122



37

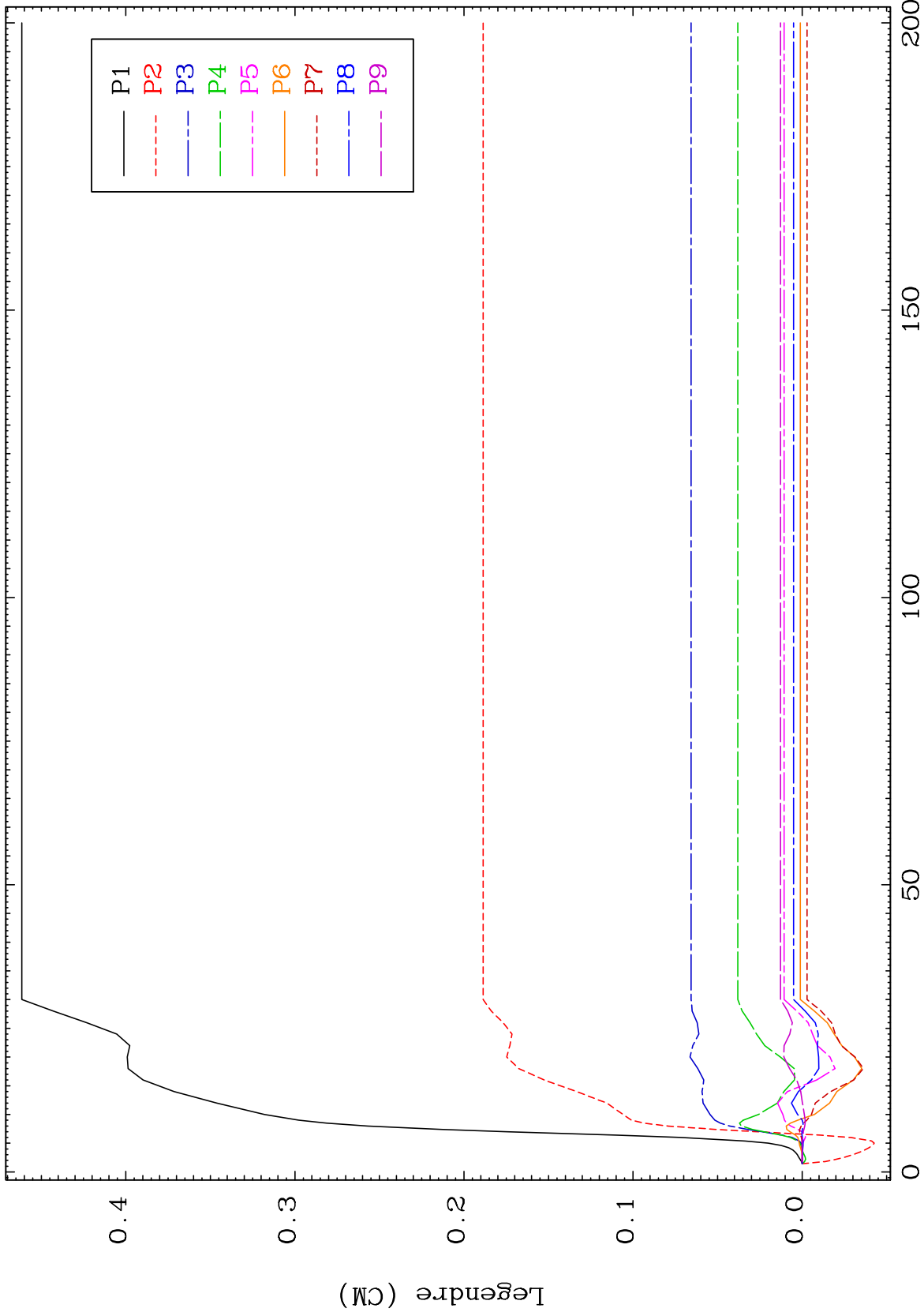
Incident Energy (MeV)

54-Xe-122

MAT 5419

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

54-Xe-122



38

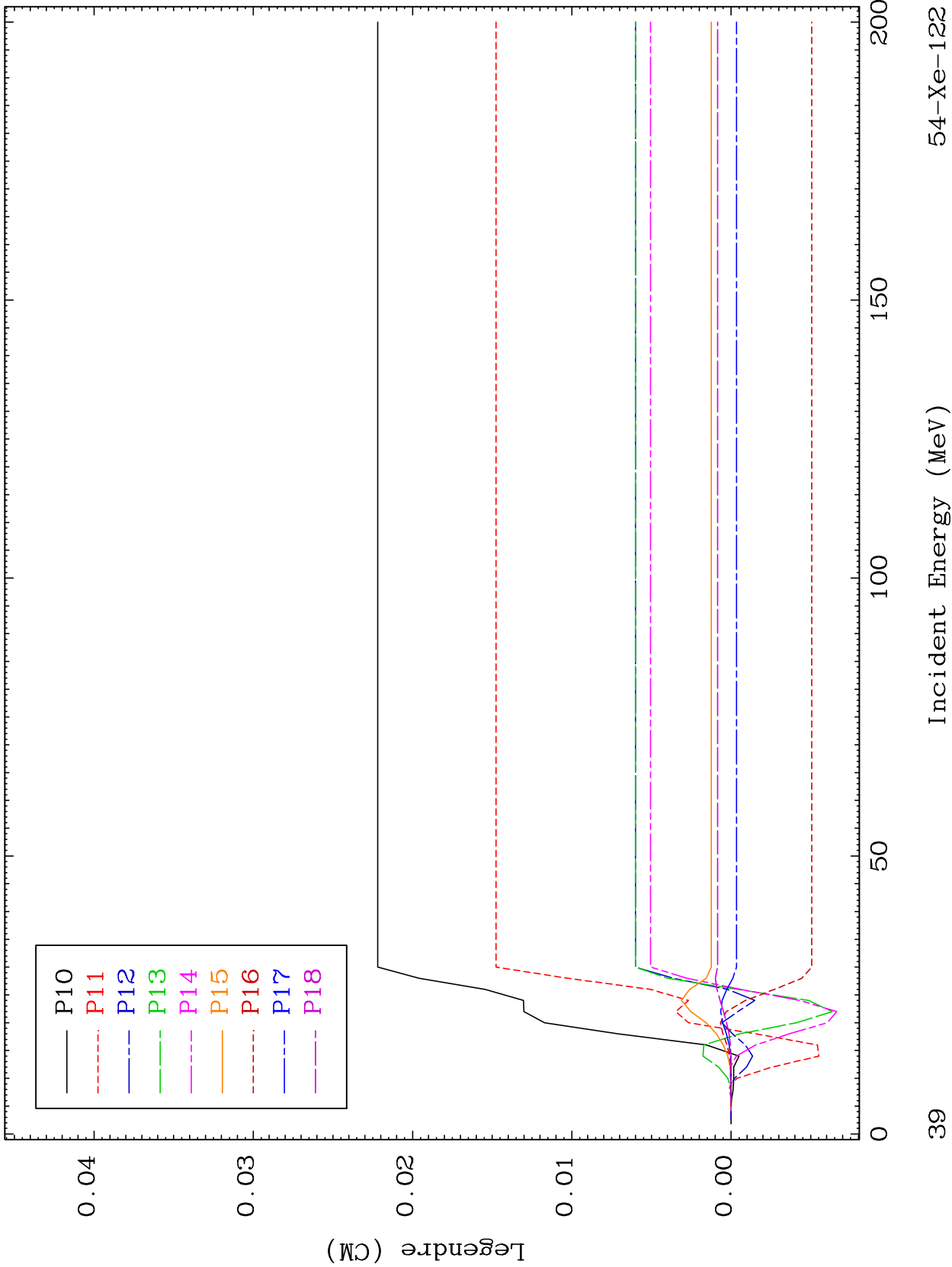
Incident Energy (MeV)

54-Xe-122

MAT 5419

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

54-Xe-122



39

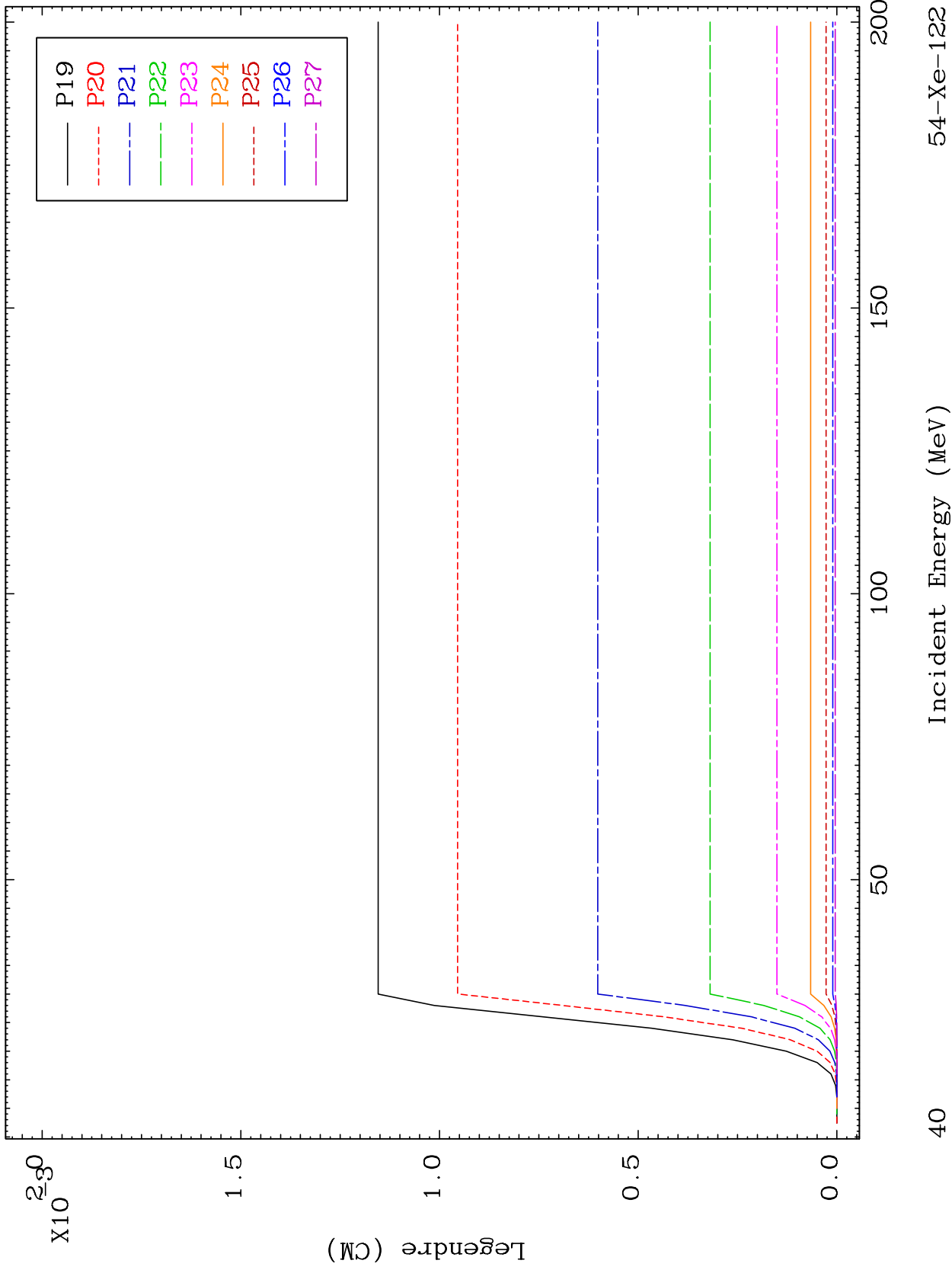
Incident Energy (MeV)

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MAT 5419

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

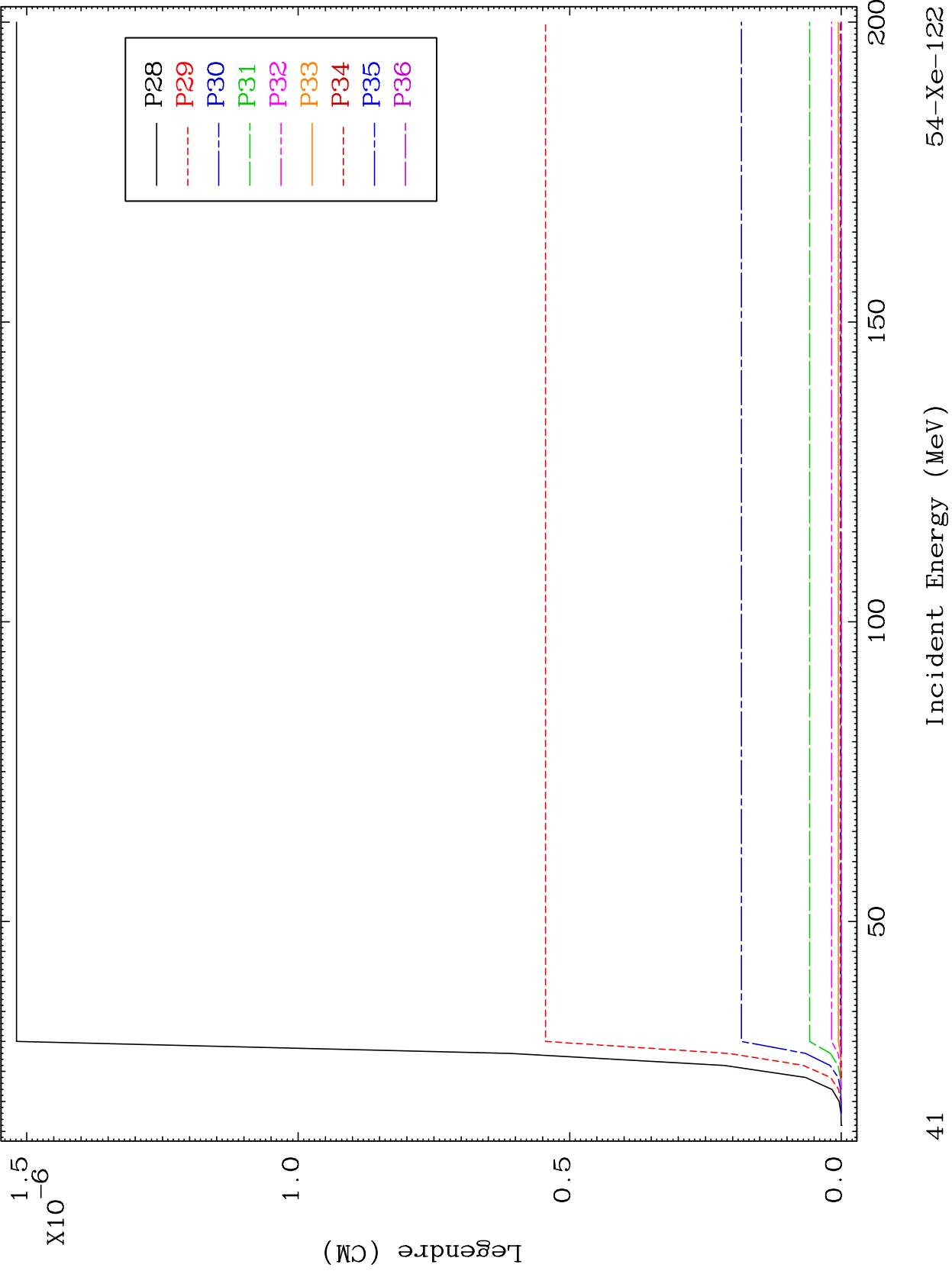
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MAT 5419

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

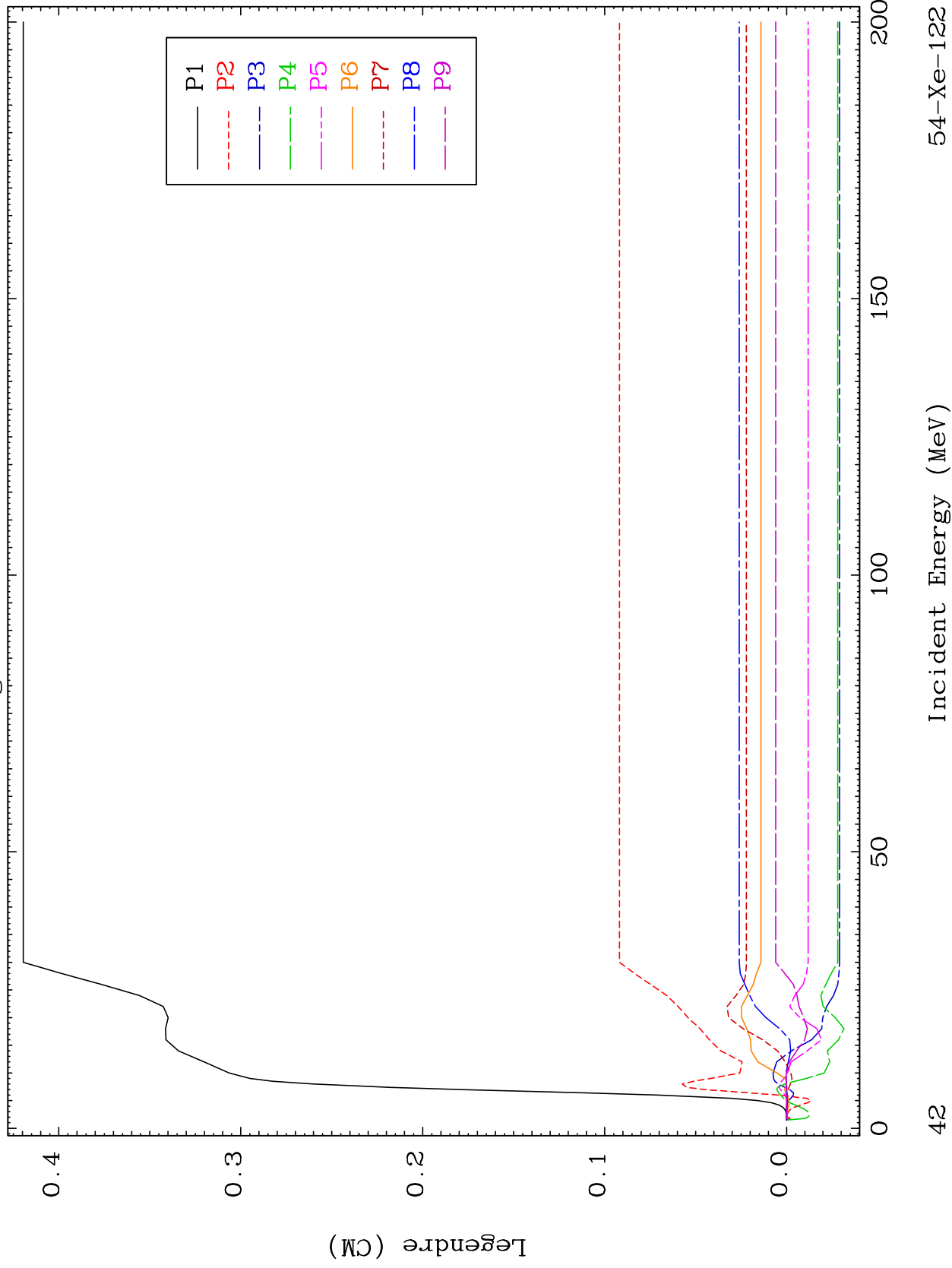
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MAT 5419

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

54-Xe-122



54-Xe-122

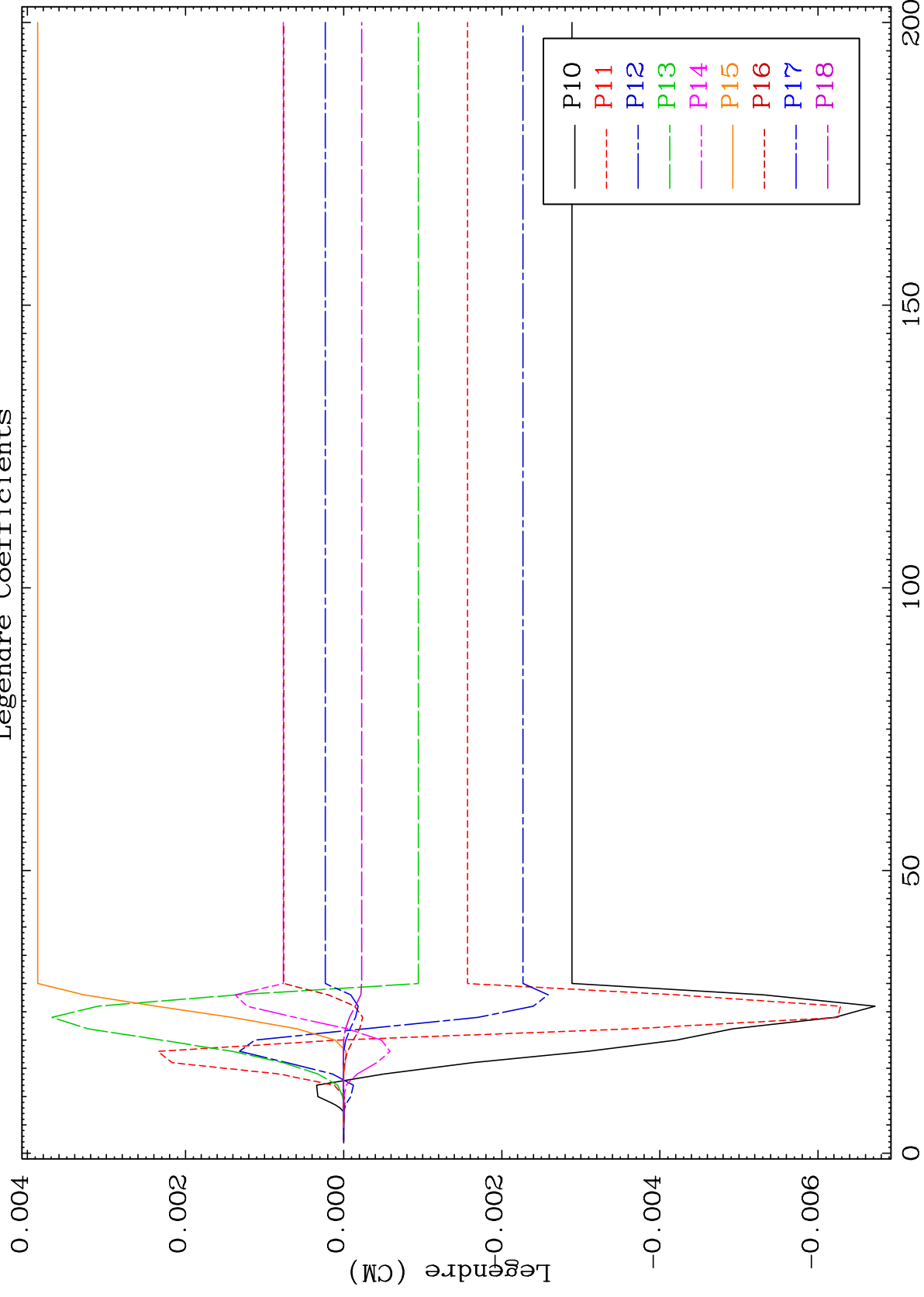
Incident Energy (MeV)

42

MAT 5419

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

54-Xe-122



43

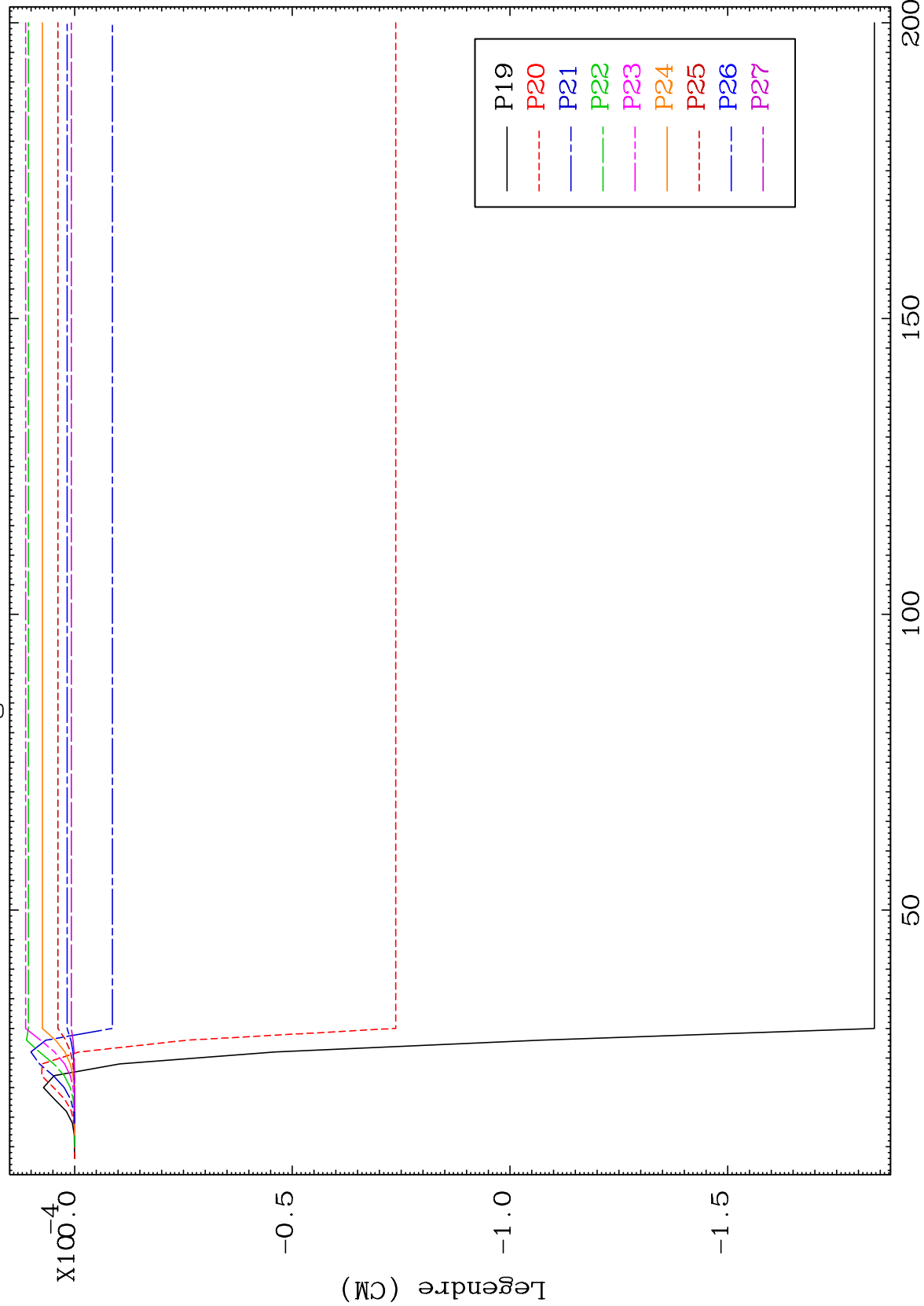
Incident Energy (MeV)

54-Xe-122

MAT 5419

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

54-Xe-122



54-Xe-122

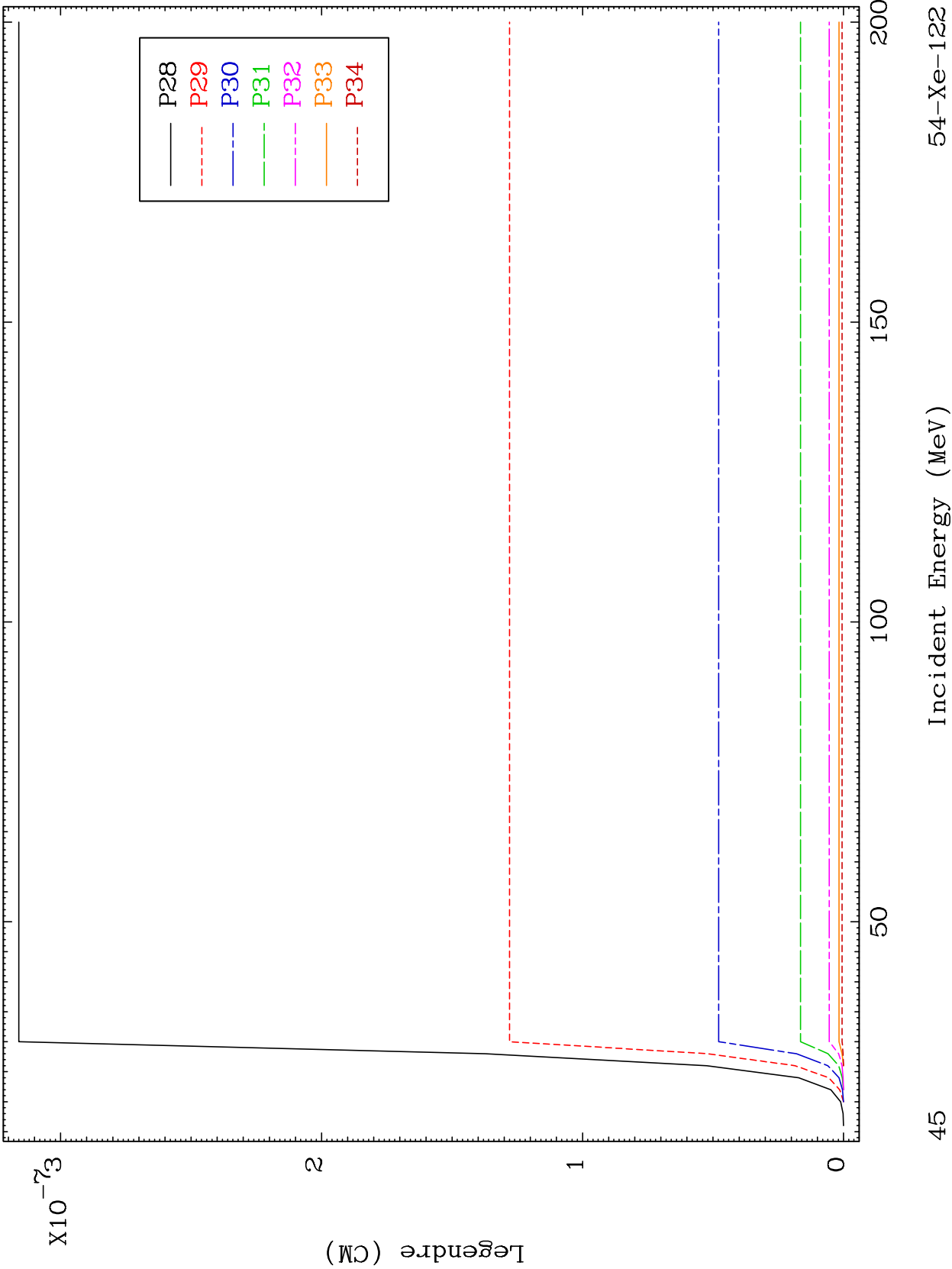
Incident Energy (MeV)

44

MAT 5419

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

54-Xe-122

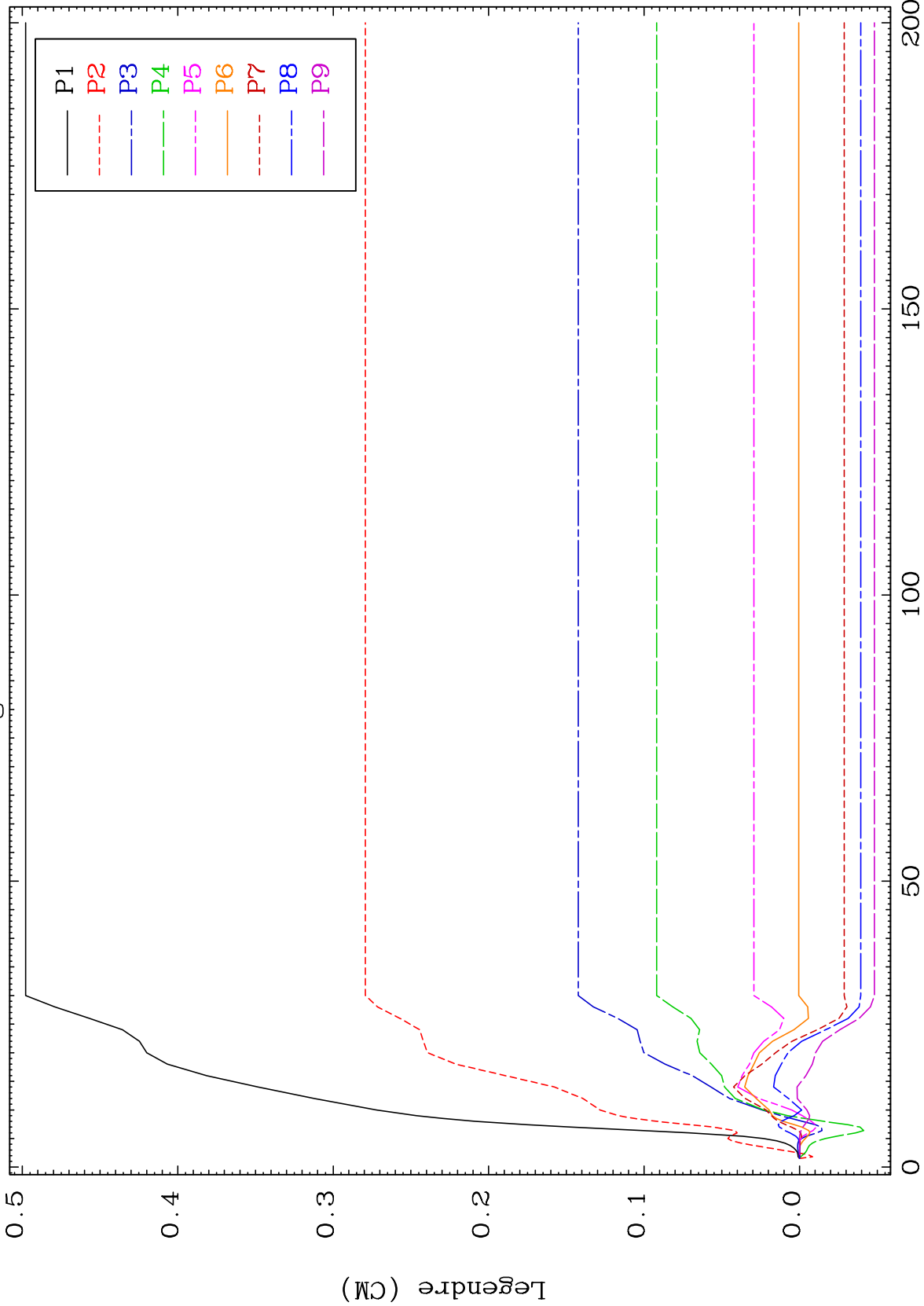


MAT 5419

MT= 58 (n,n') Level

54-Xe-122

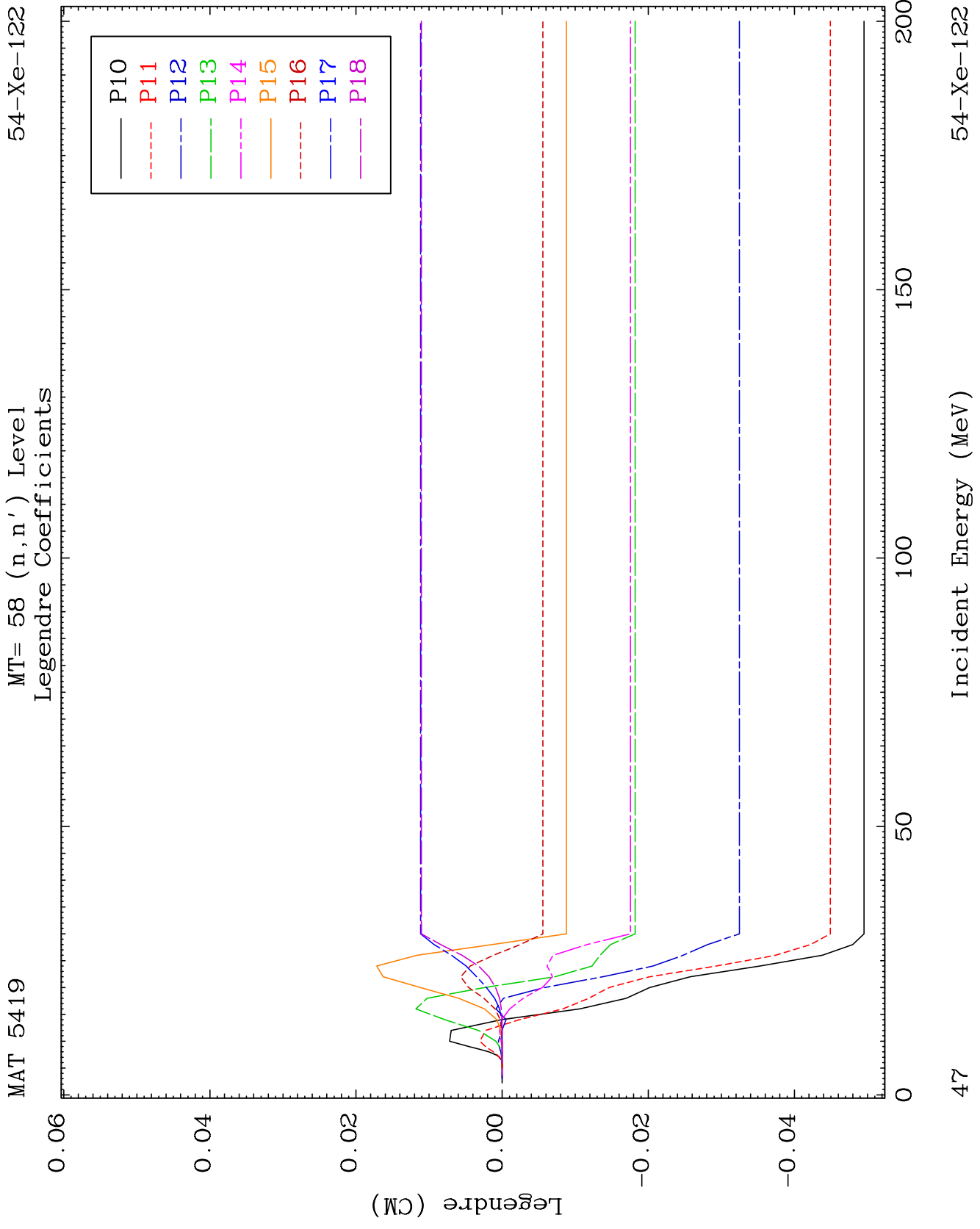
Legendre Coefficients



46

Incident Energy (MeV)

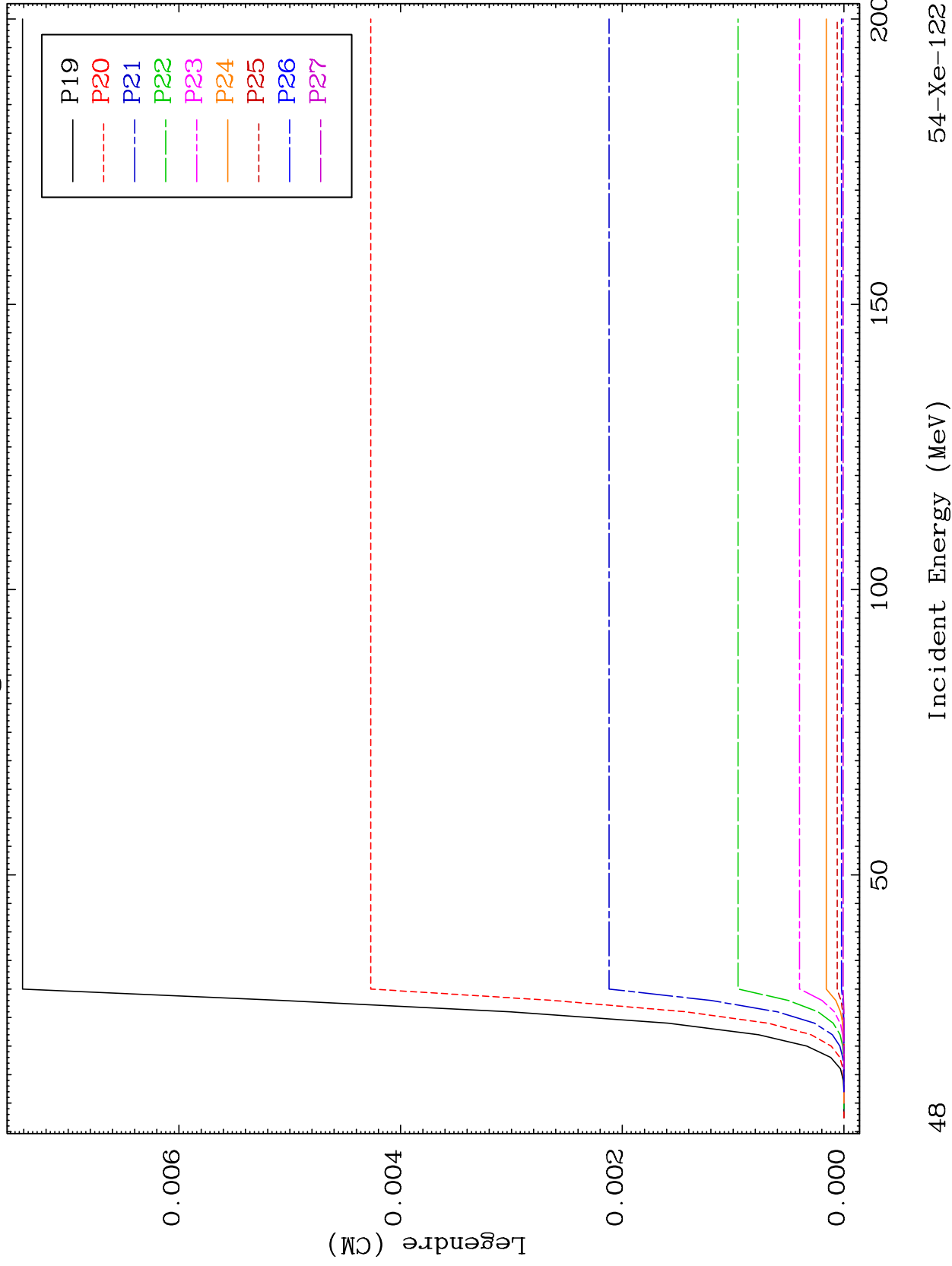
54-Xe-122



MAT 5419

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

54-Xe-122



48

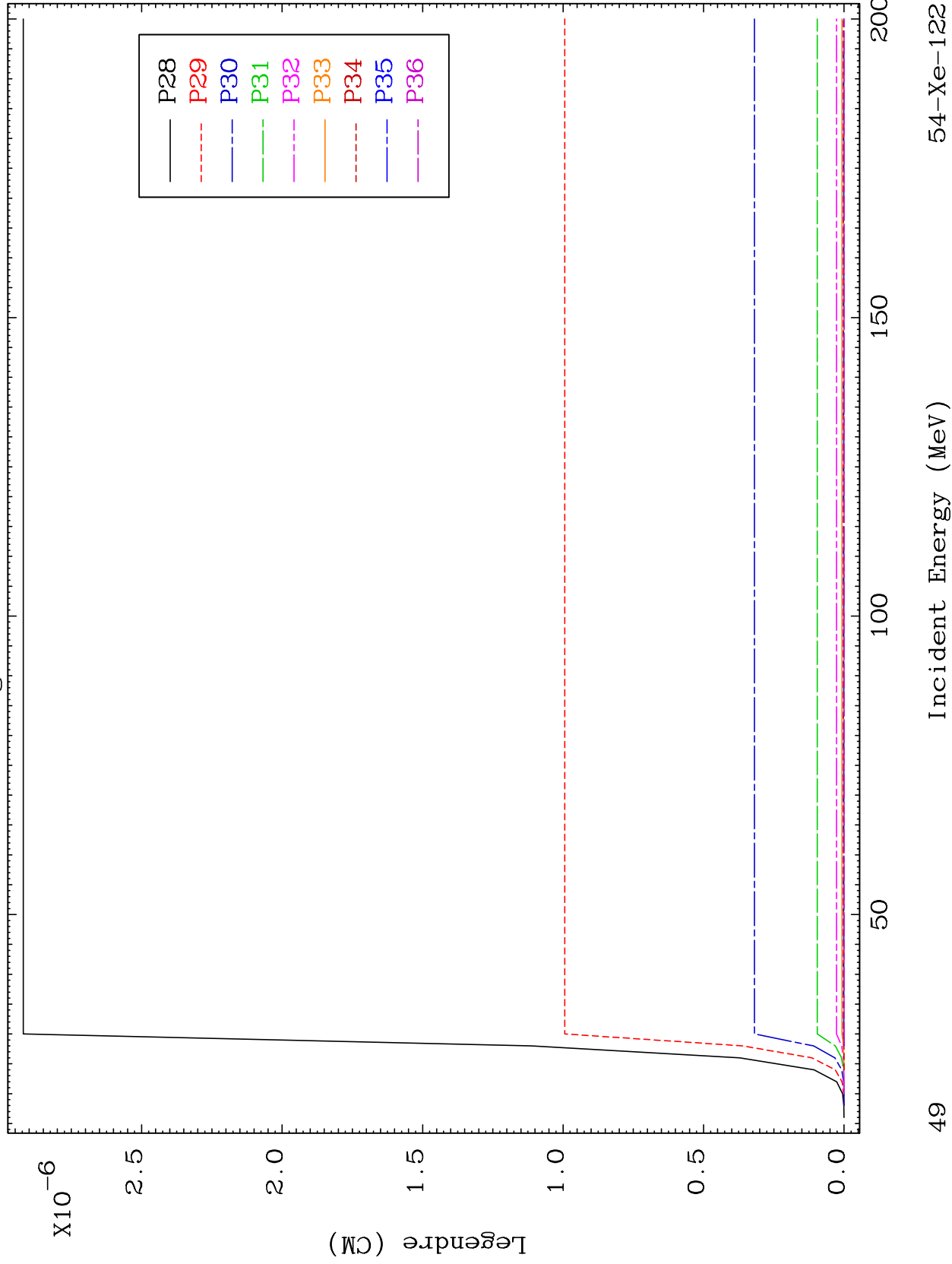
Incident Energy (MeV)

54-Xe-122

MAT 5419

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

54-Xe-122



49

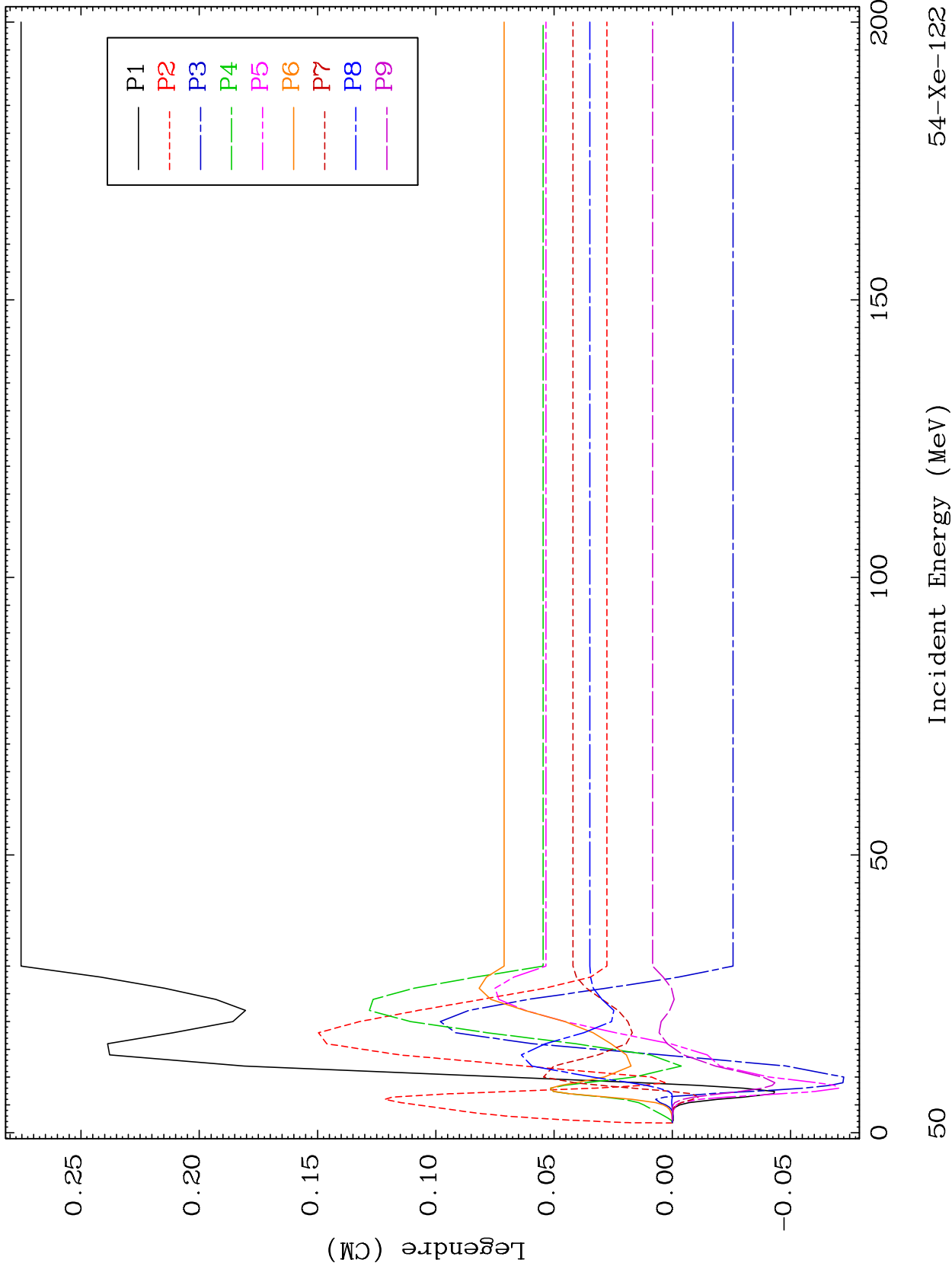
Incident Energy (MeV)

54-Xe-122

MAT 5419

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

54-Xe-122



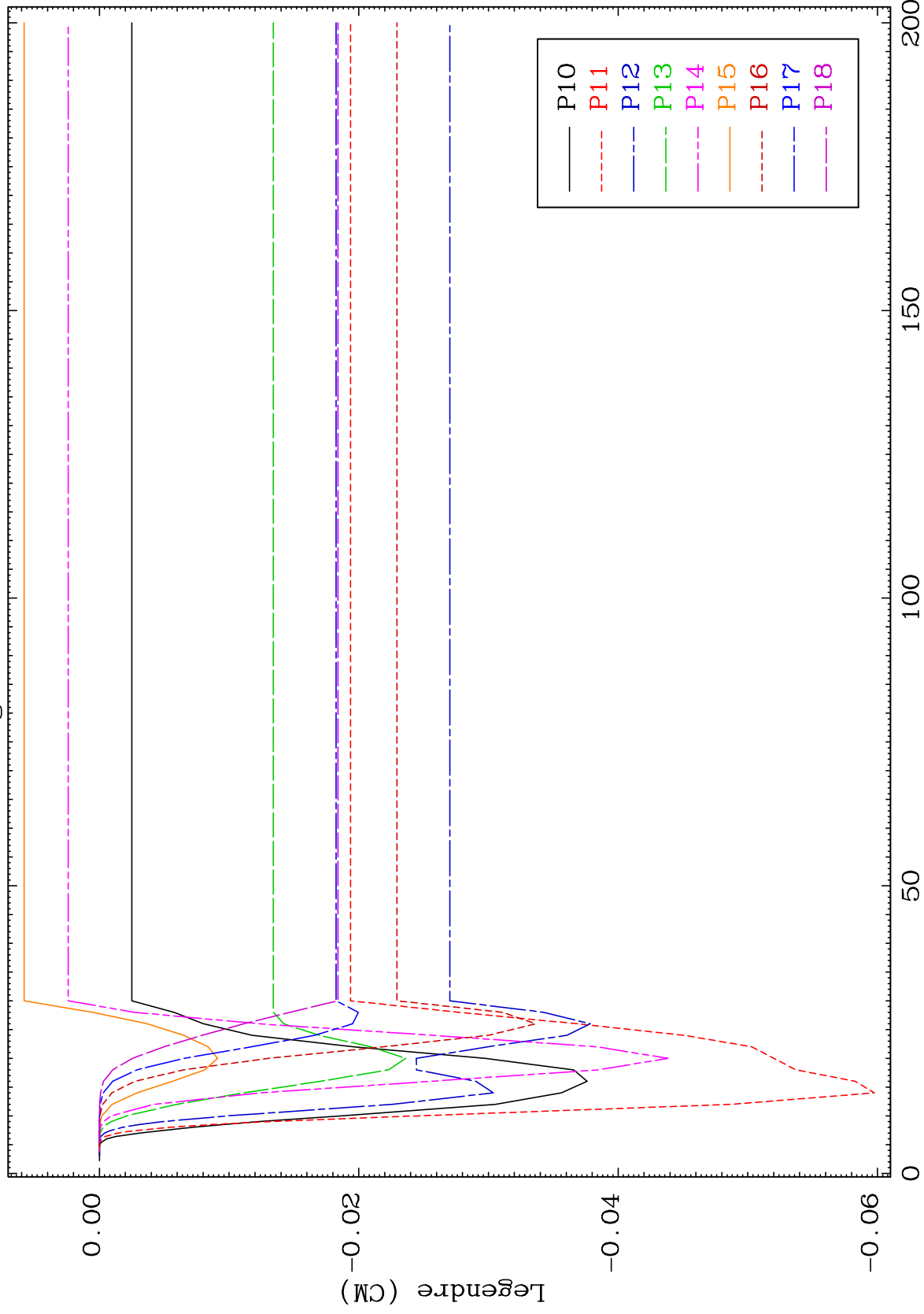
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Incident Energy (MeV)

MAT 5419

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

54-Xe-122



51

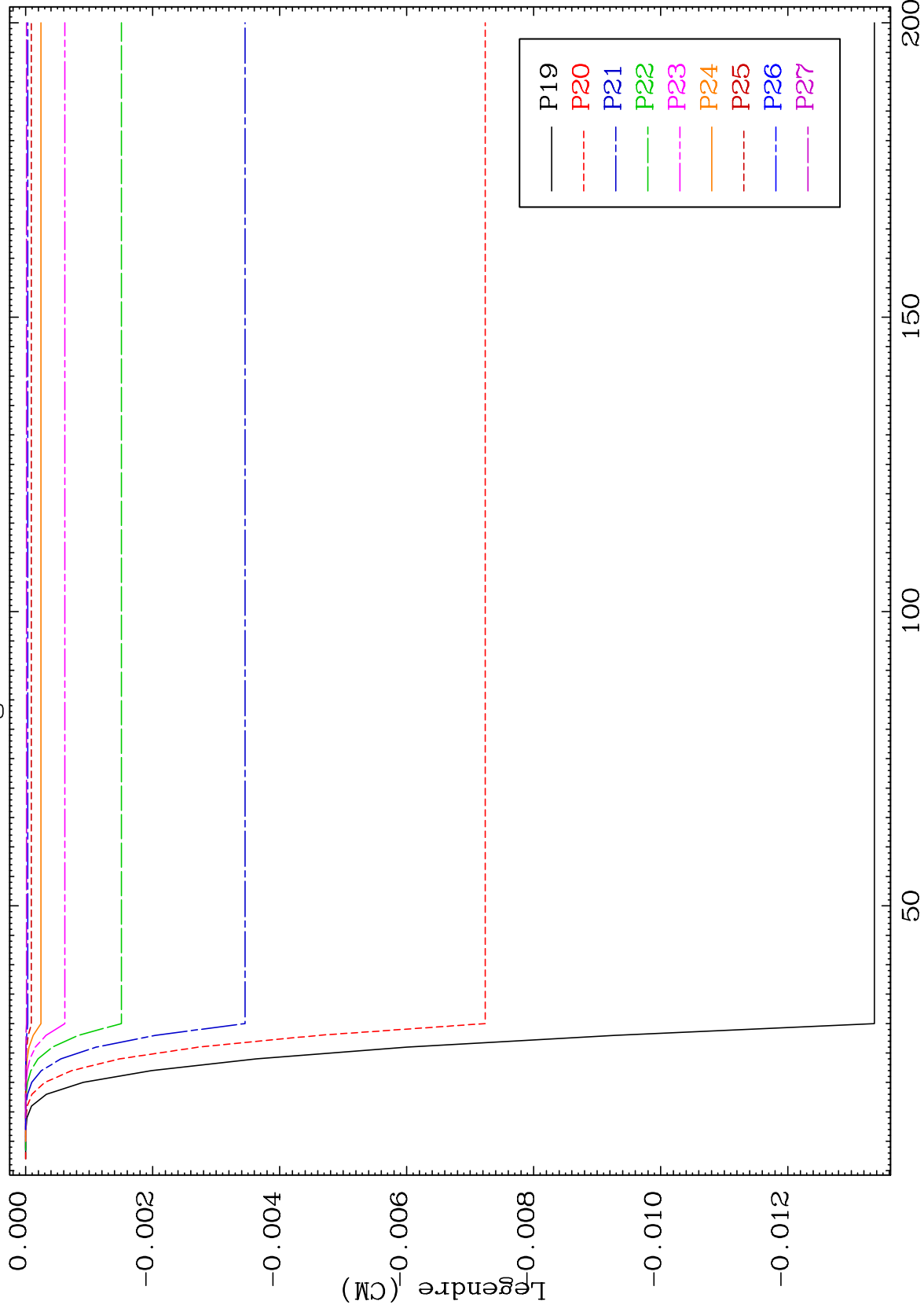
Incident Energy (MeV)

54-Xe-122

MAT 5419

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

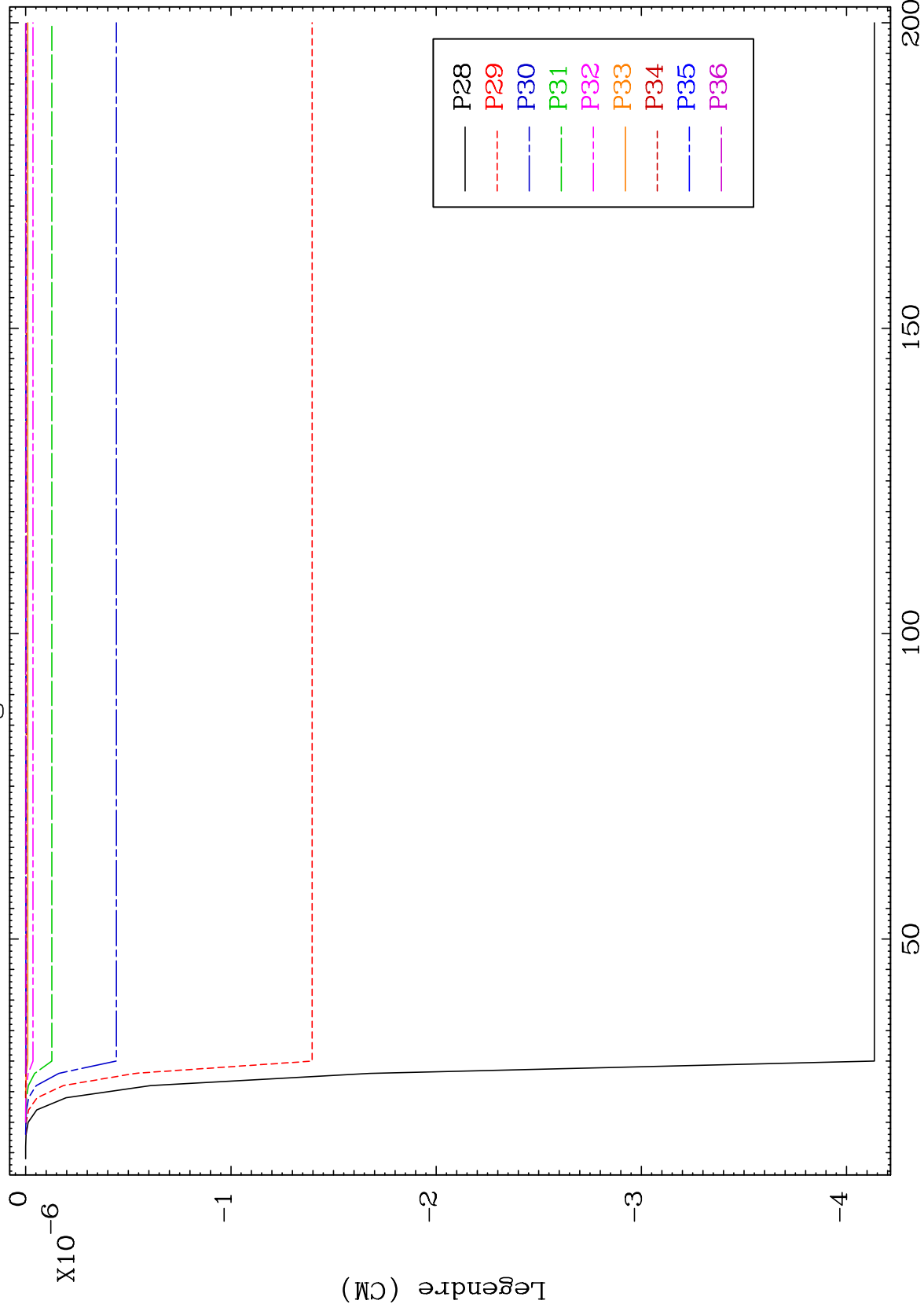
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MAT 5419

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

54-Xe-122



53

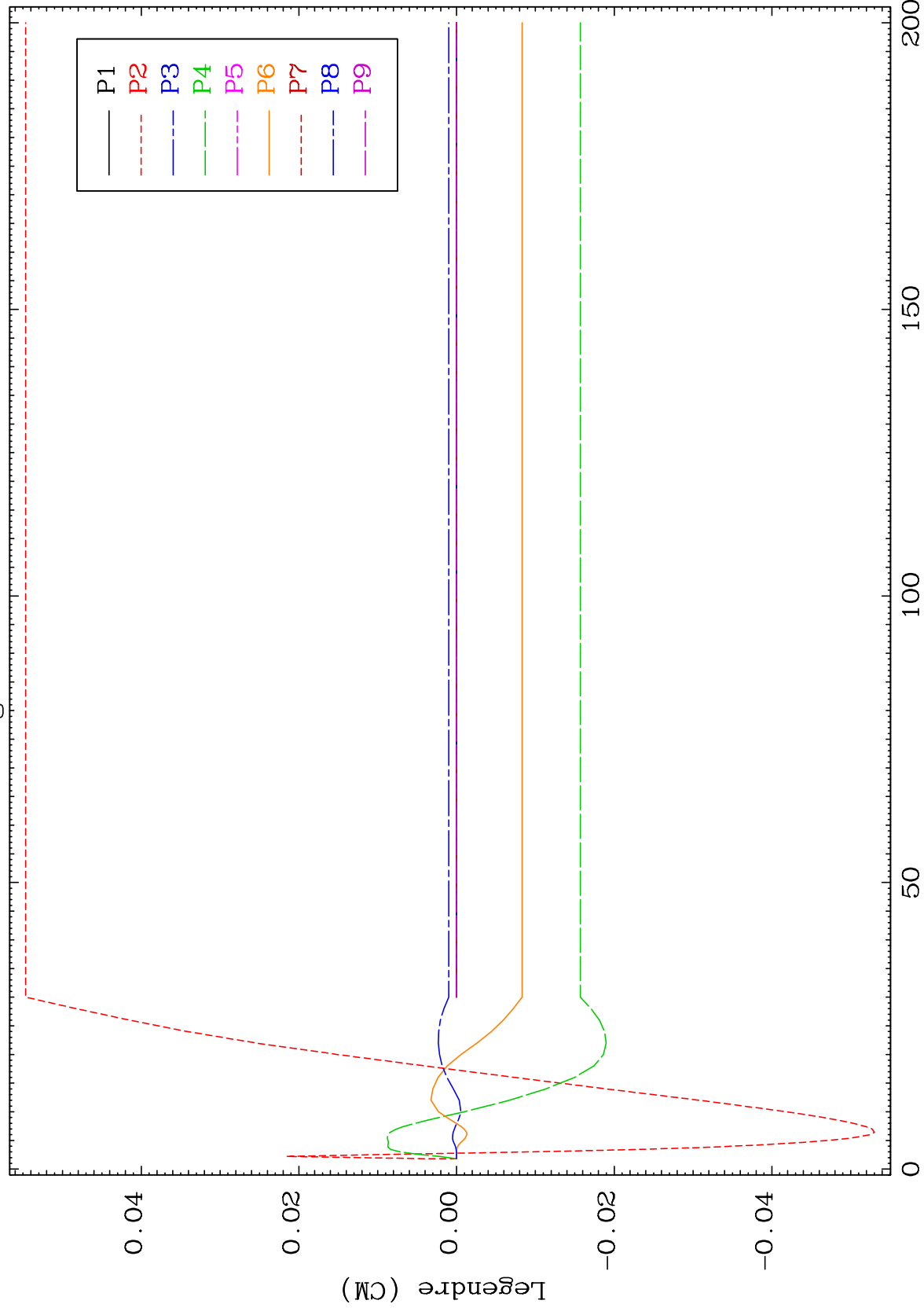
Incident Energy (MeV)

54-Xe-122

MAT 5419

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

54-Xe-122



54-Xe-122

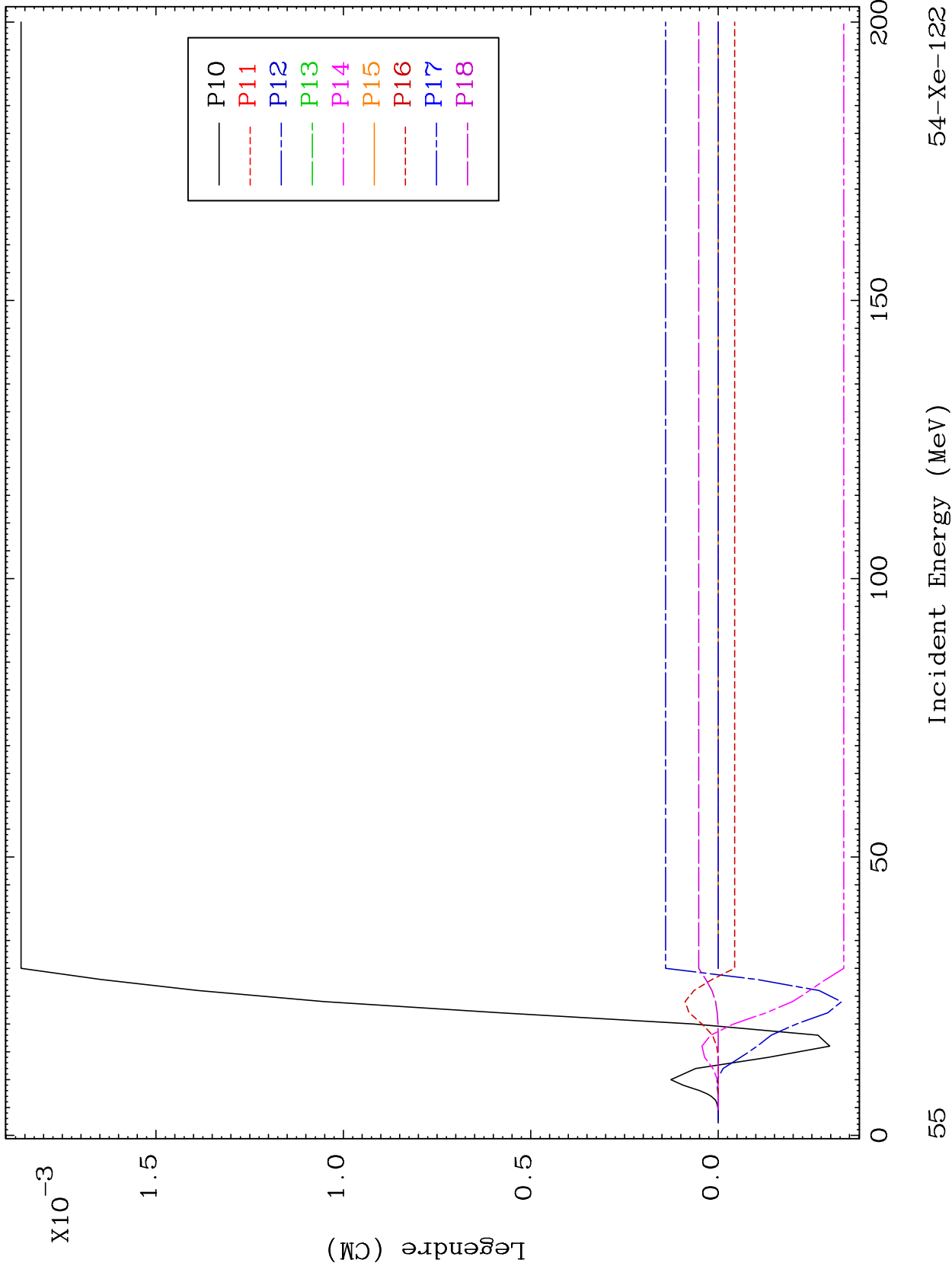
Incident Energy (MeV)

54

MAT 5419

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

54-Xe-122



55

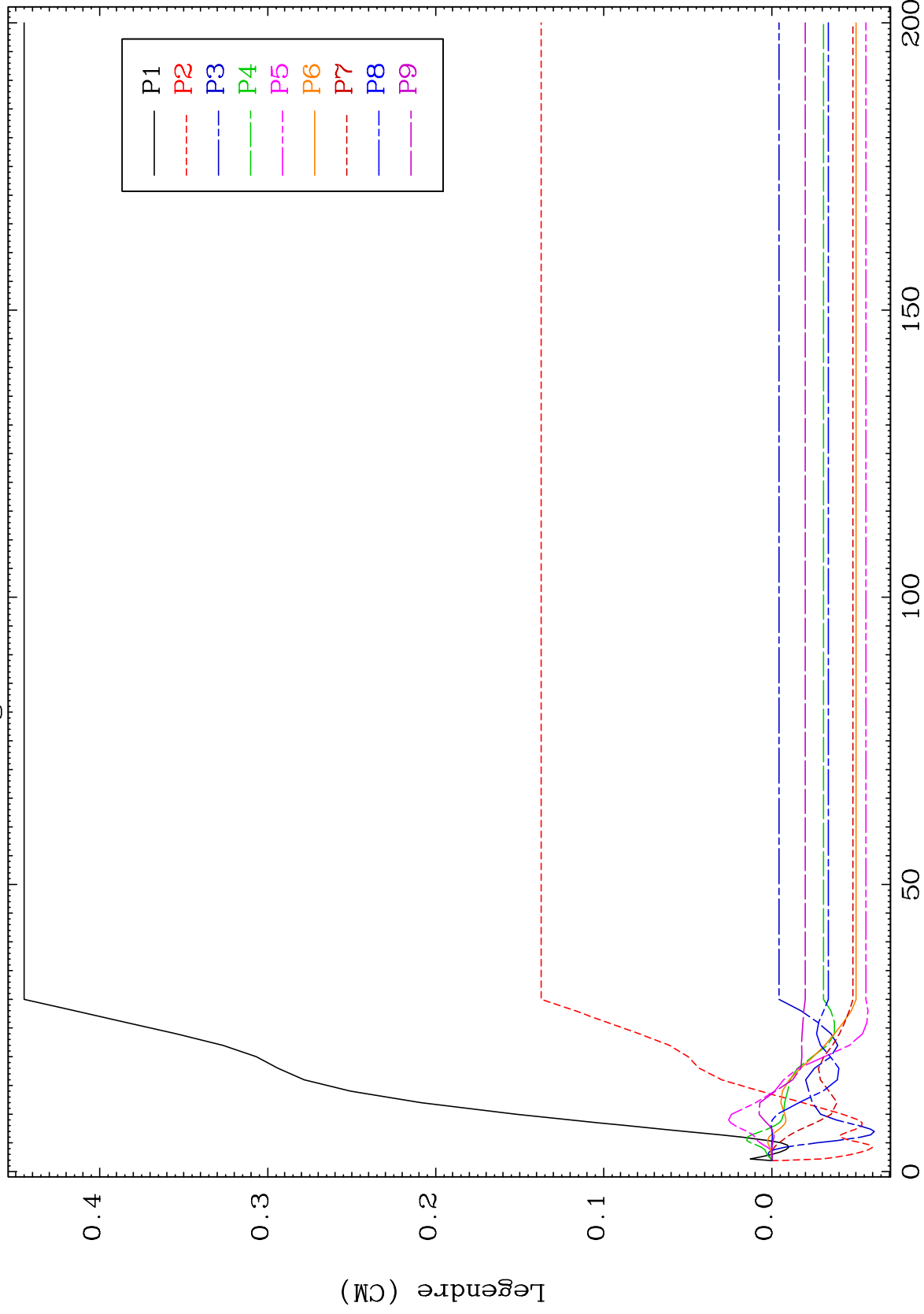
54-Xe-122



MAT 5419

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

54-Xe-122



57

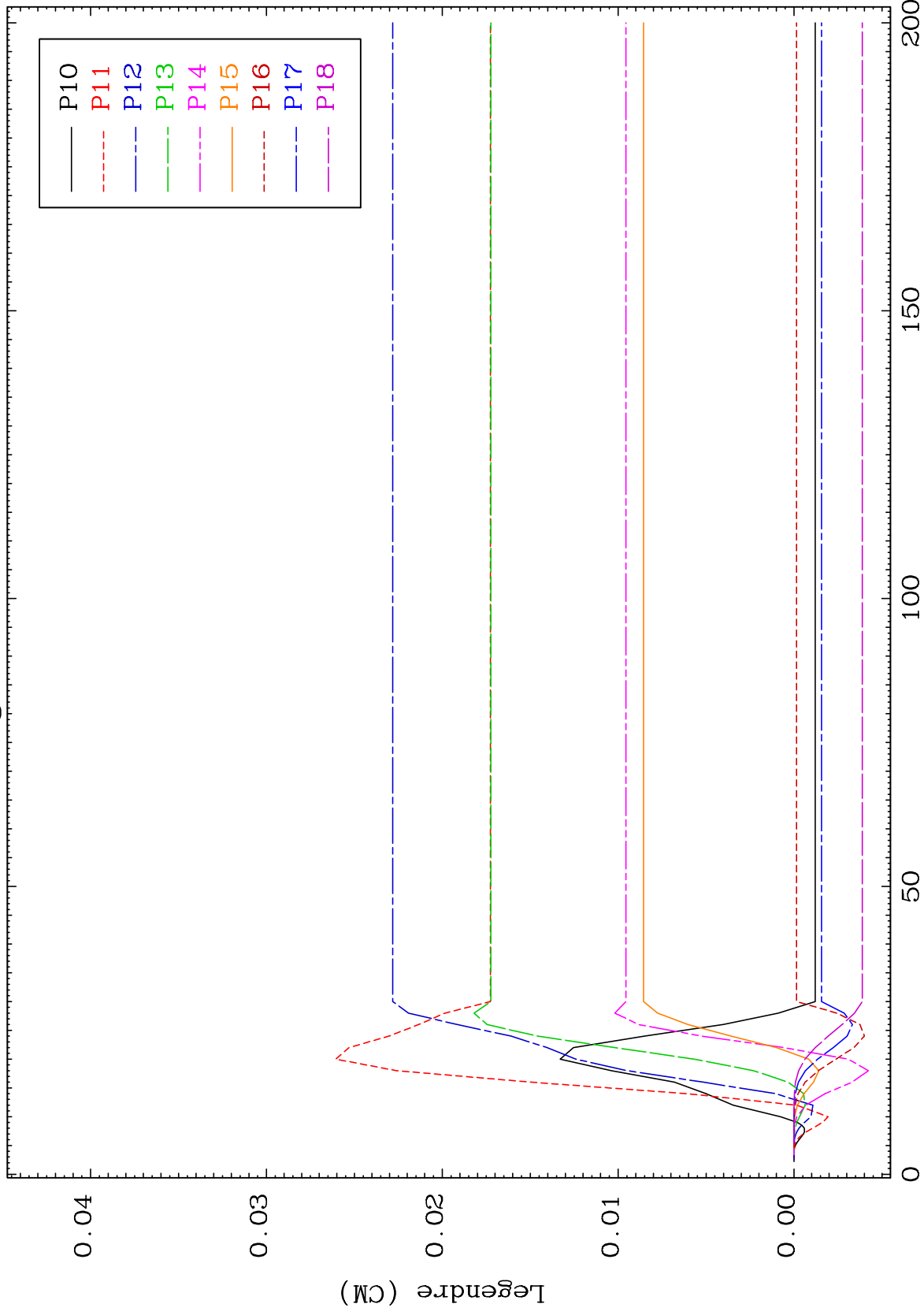
Incident Energy (MeV)

54-Xe-122

MAT 5419

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

54-Xe-122



58

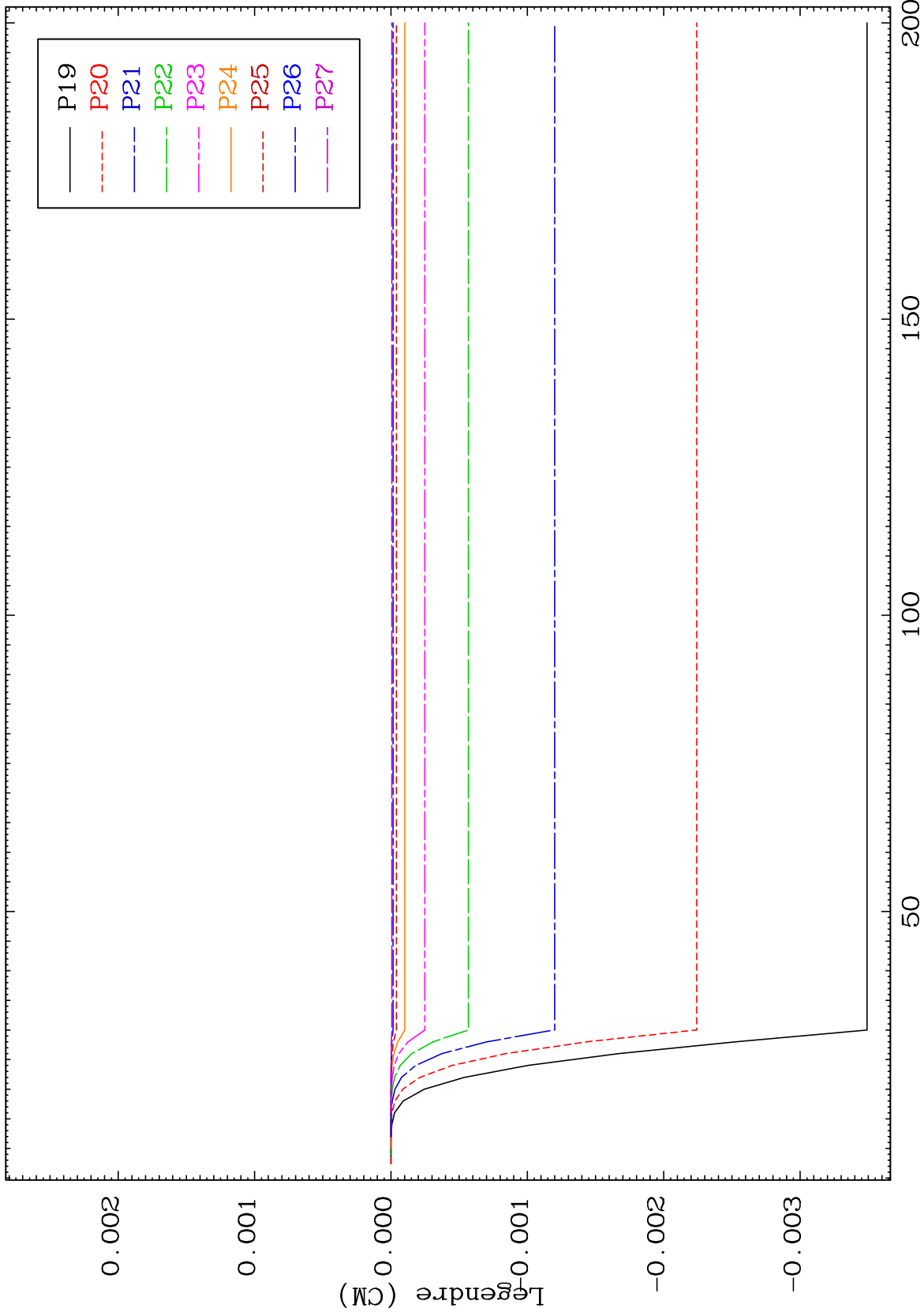
Incident Energy (MeV)

54-Xe-122

MAT 5419

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

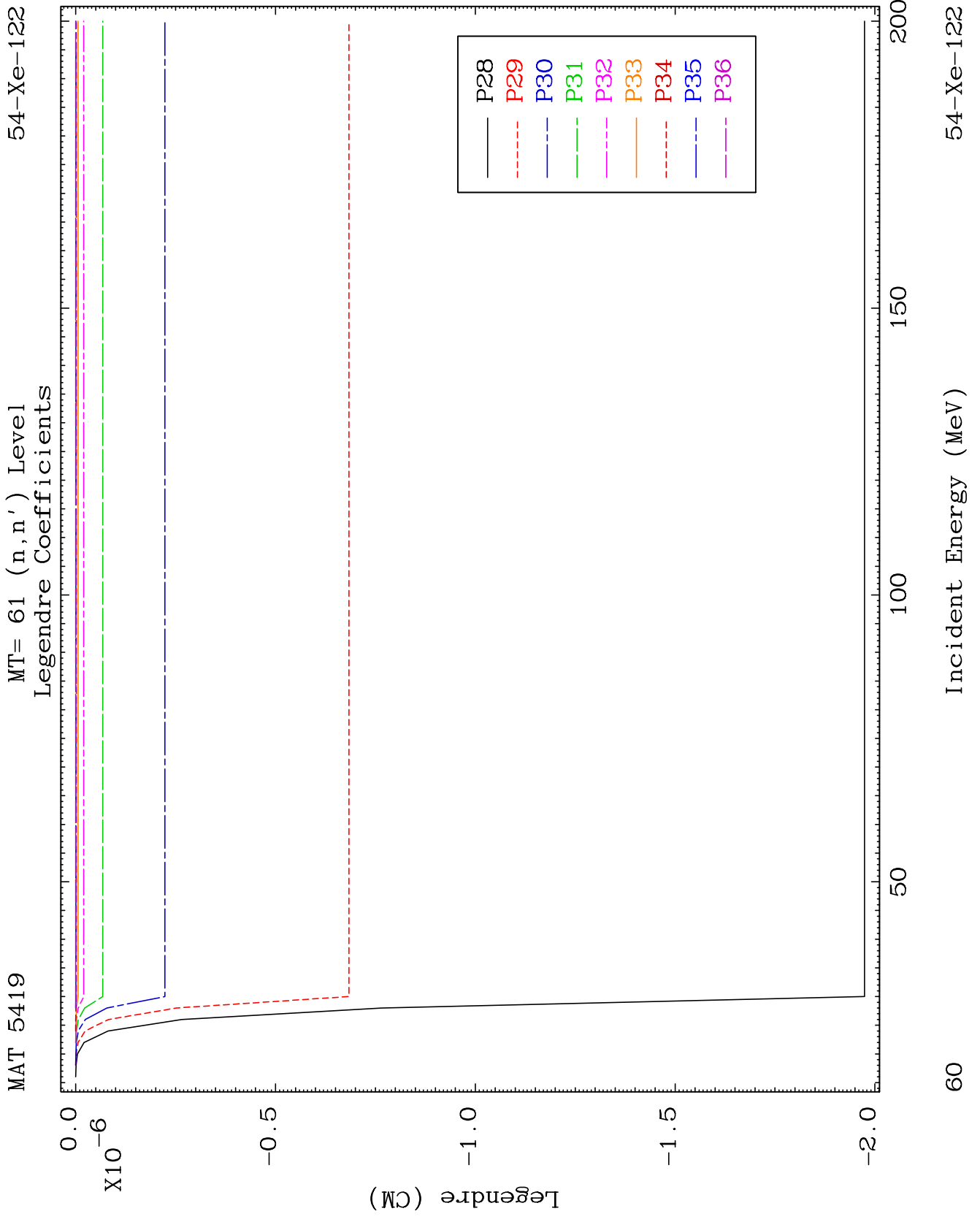
54-Xe-122



59

Incident Energy (MeV)

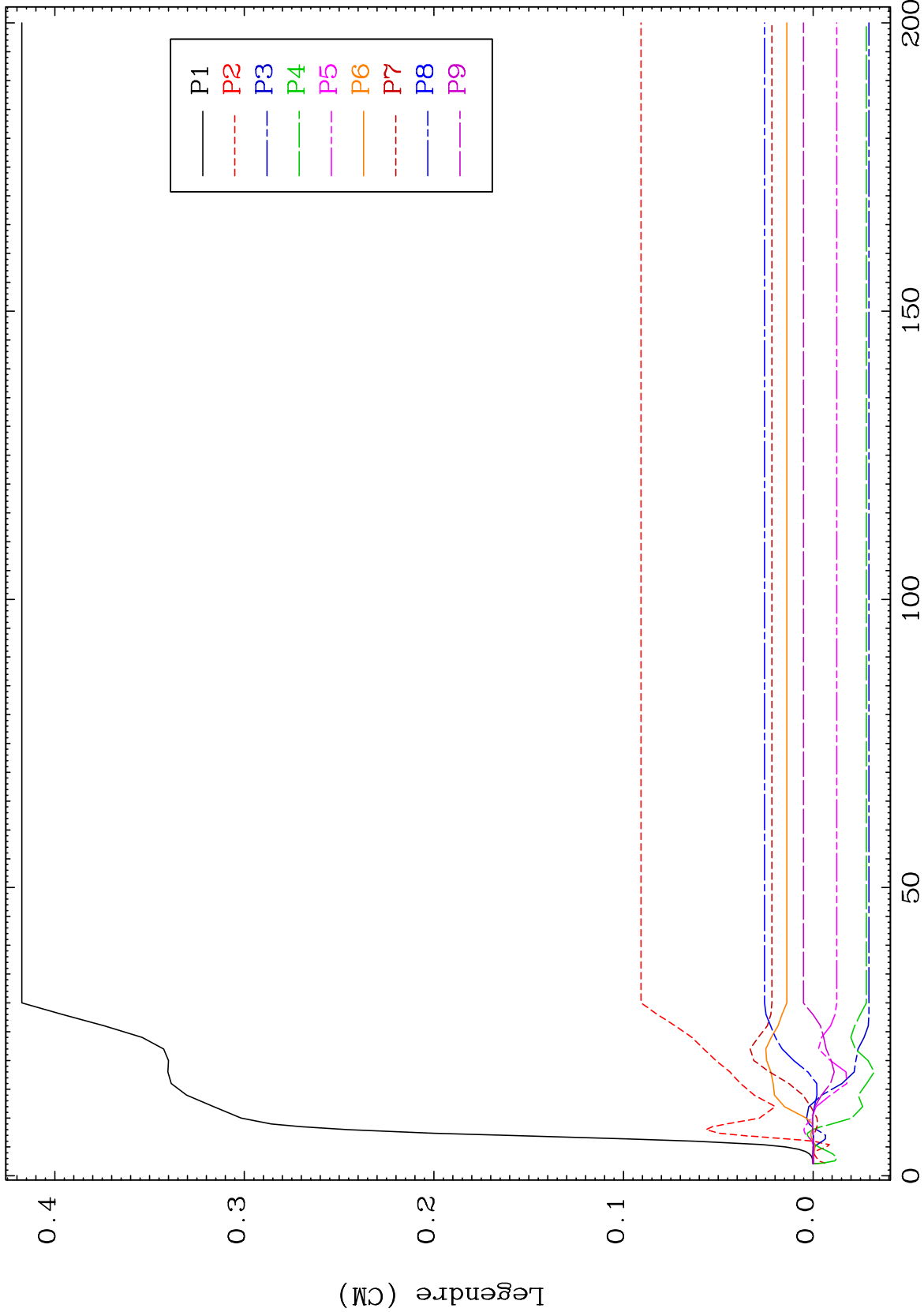
54-Xe-122



MAT 5419

MT= 62 (n,n') Level  
Legendre Coefficients

54-Xe-122



61

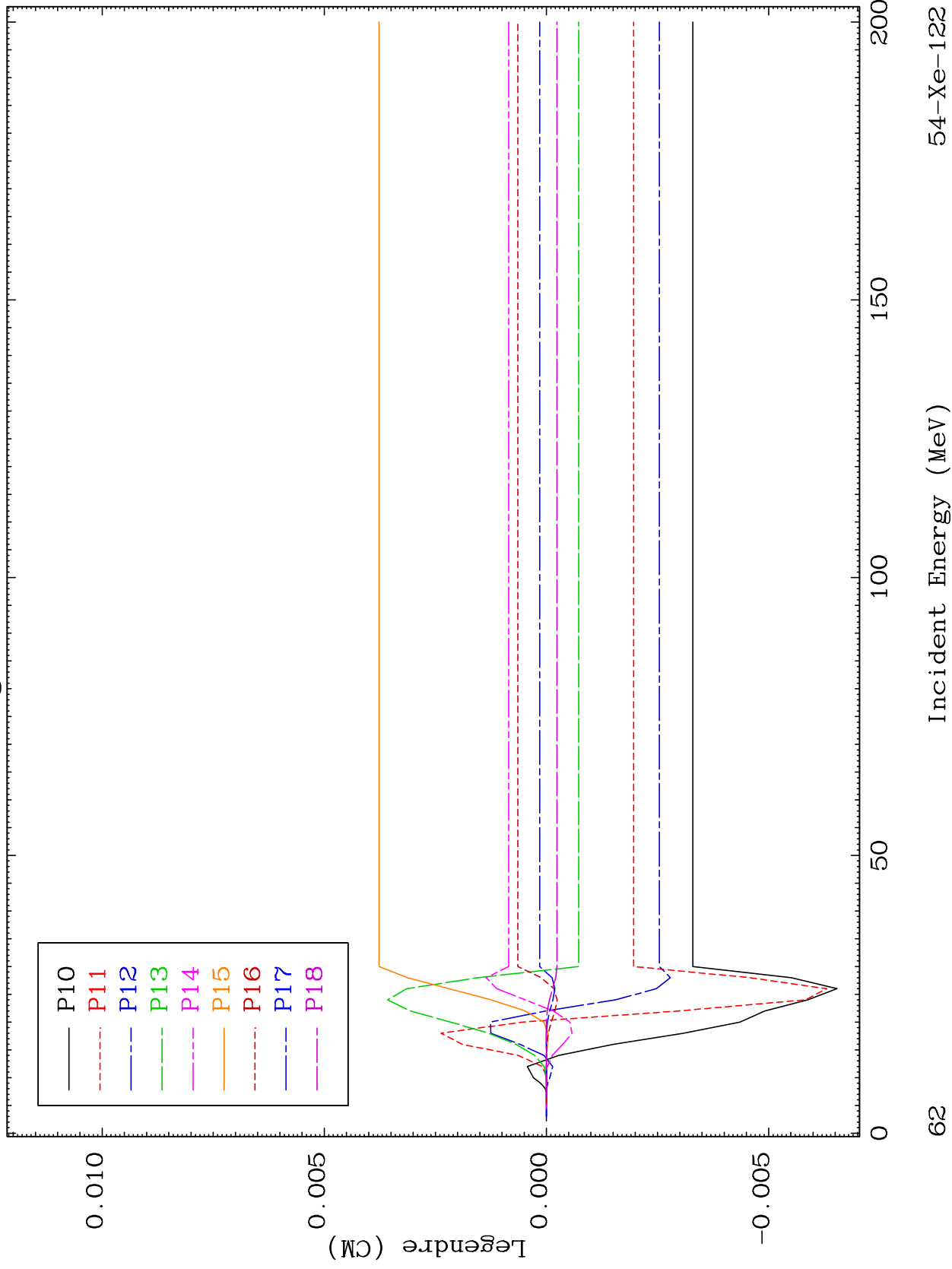
Incident Energy (MeV)

54-Xe-122

MAT 5419

MT= 62 (n,n') Level  
Legendre Coefficients

54-Xe-122



54-Xe-122

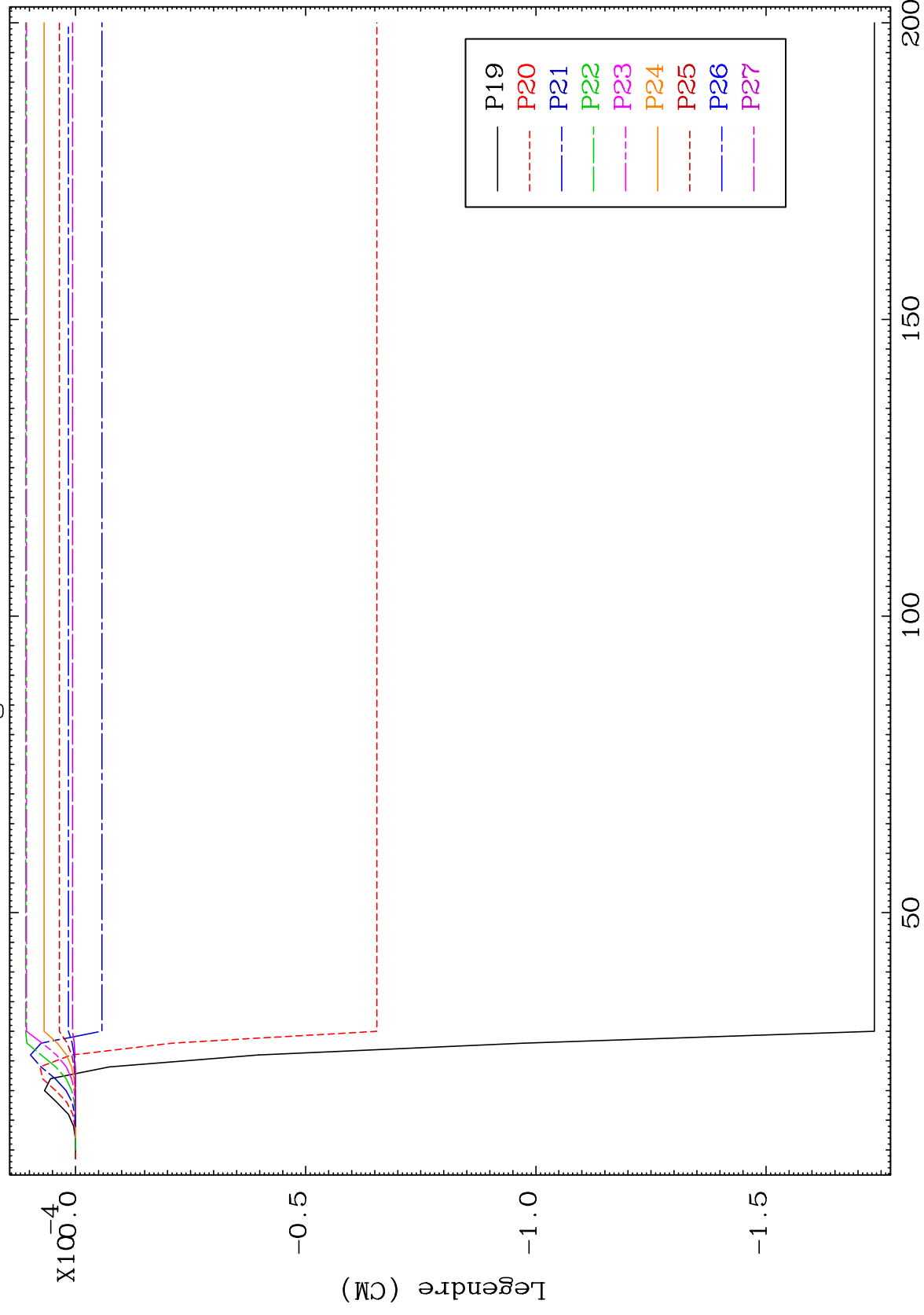
Incident Energy (MeV)

62

MAT 5419

MT= 62 (n,n') Level  
Legendre Coefficients

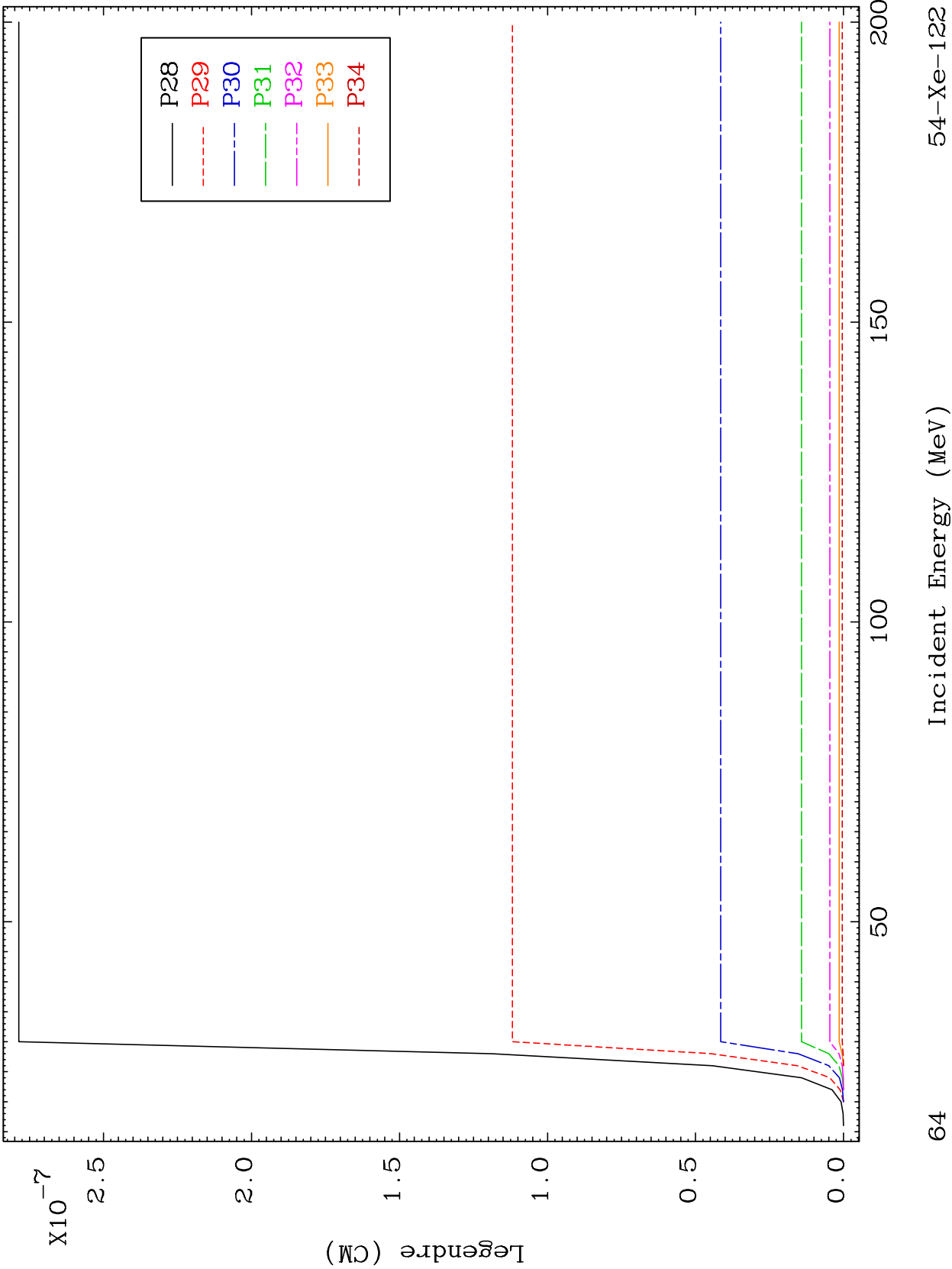
54-Xe-122



MAT 5419

MT= 62 (n,n') Level  
Legendre Coefficients

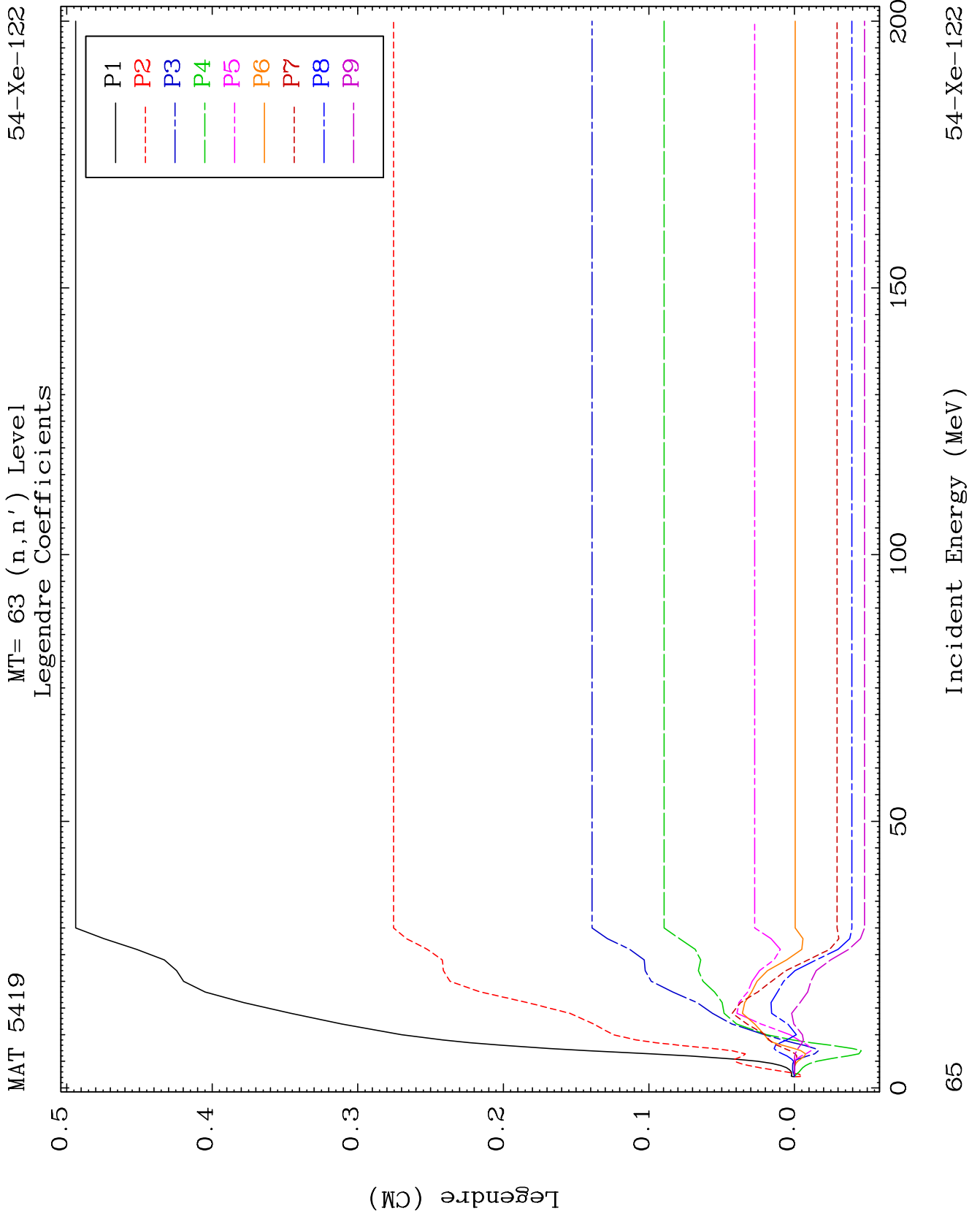
54-Xe-122



64

Incident Energy (MeV)

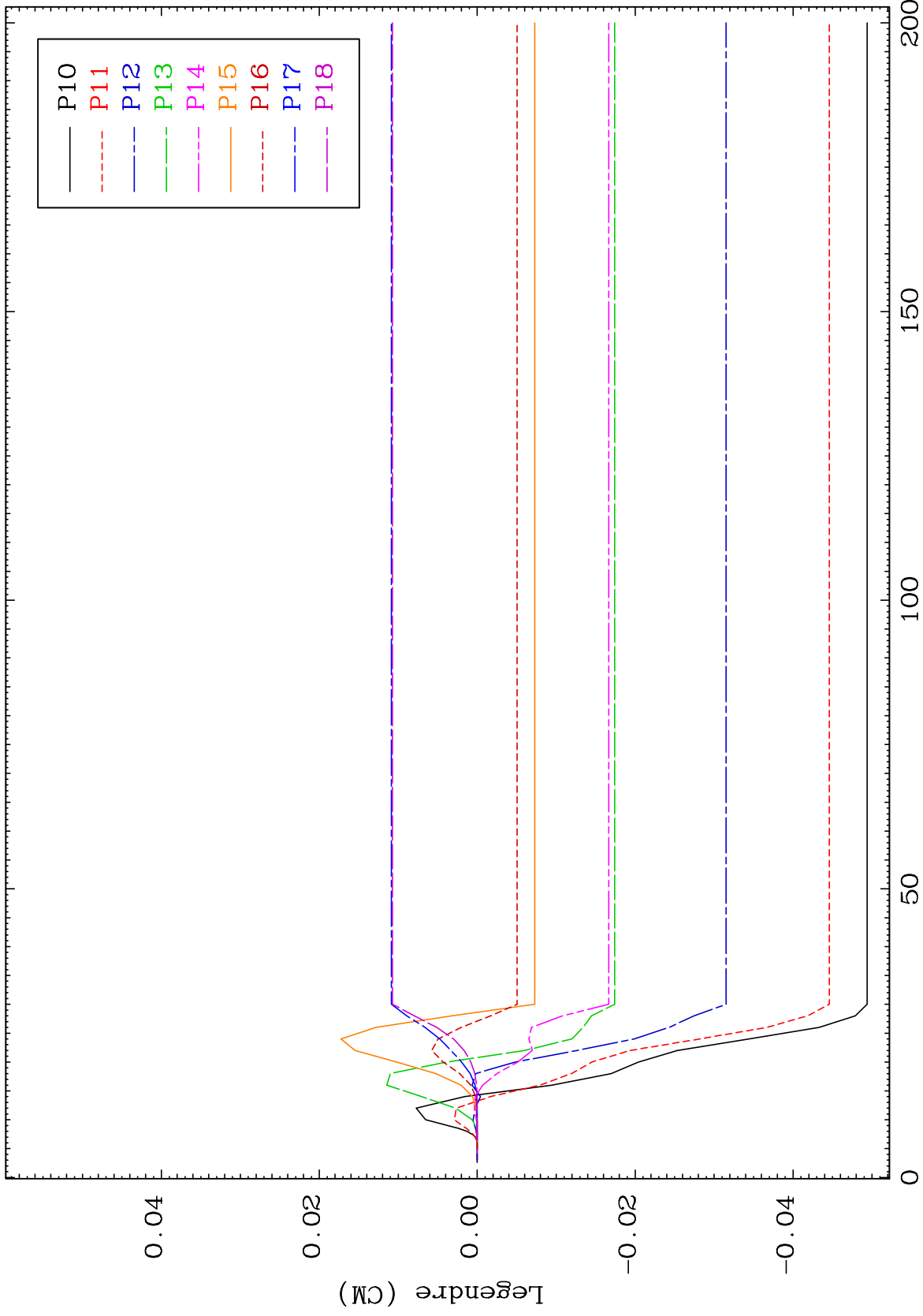
54-Xe-122



MAT 5419

MT= 63 (n,n') Level  
Legendre Coefficients

54-Xe-122



66

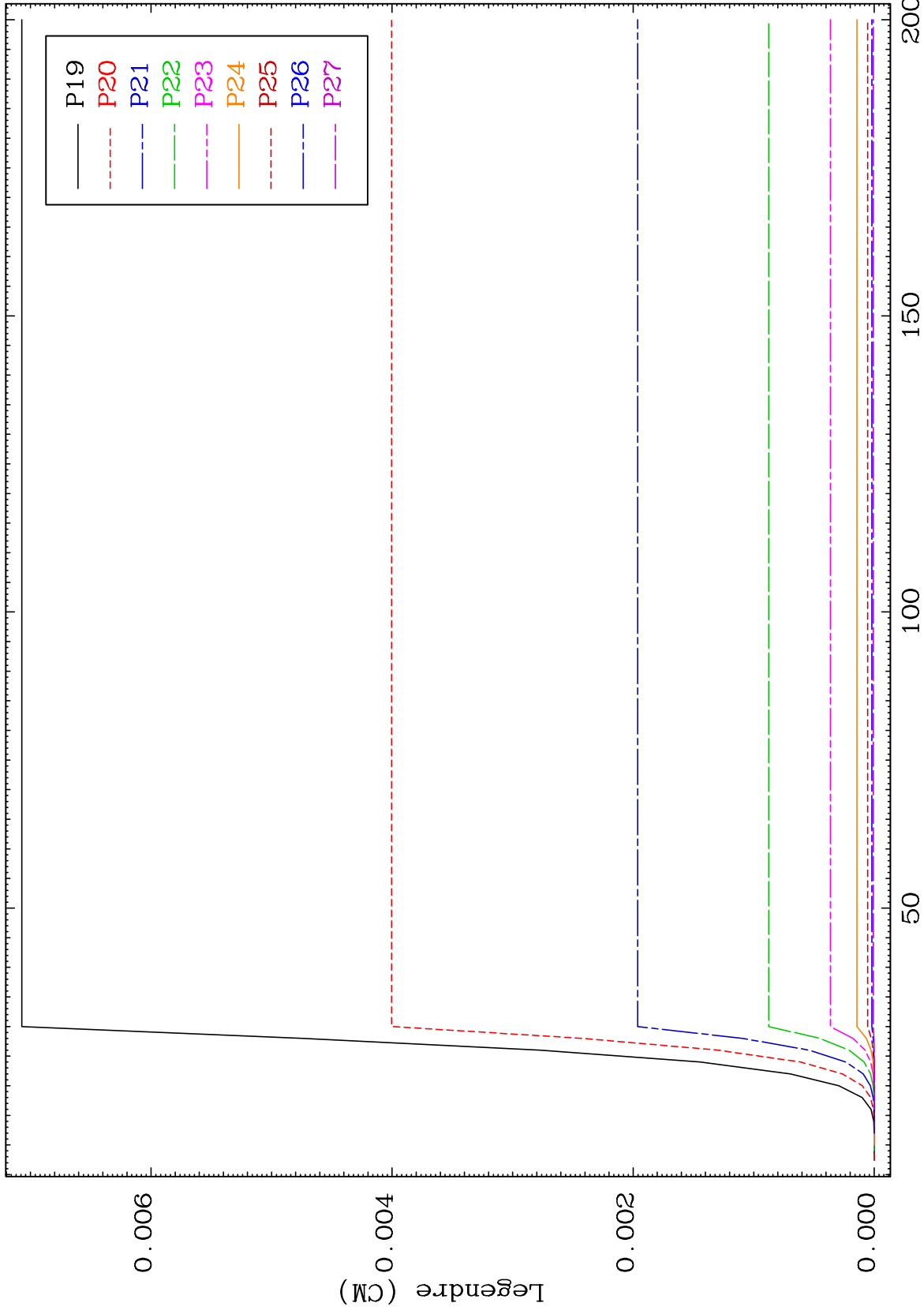
Incident Energy (MeV)

54-Xe-122

MAT 5419

MT= 63 (n,n') Level  
Legendre Coefficients

54-Xe-122



67

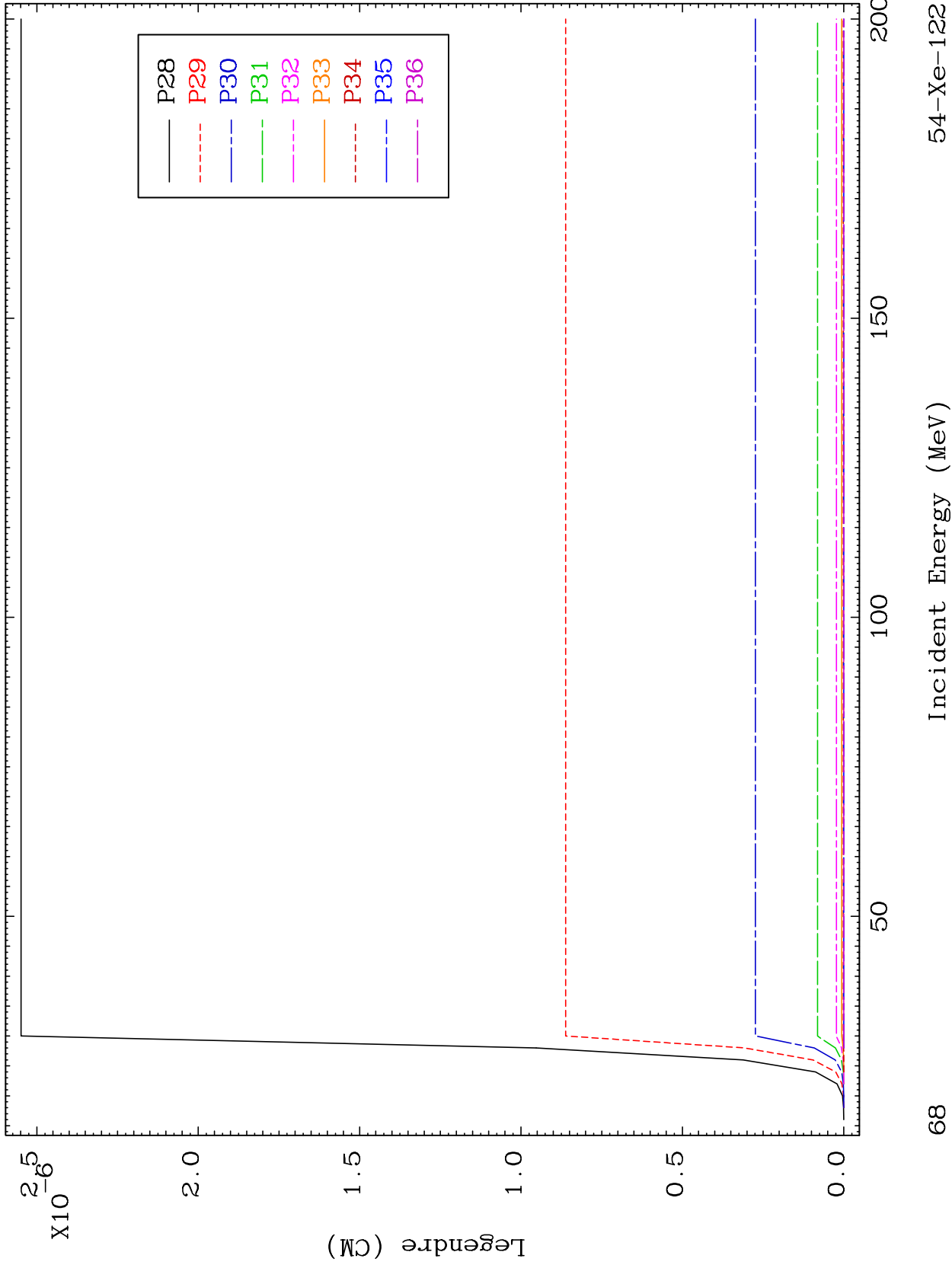
Incident Energy (MeV)

54-Xe-122

MAT 5419

MT= 63 (n,n') Level  
Legendre Coefficients

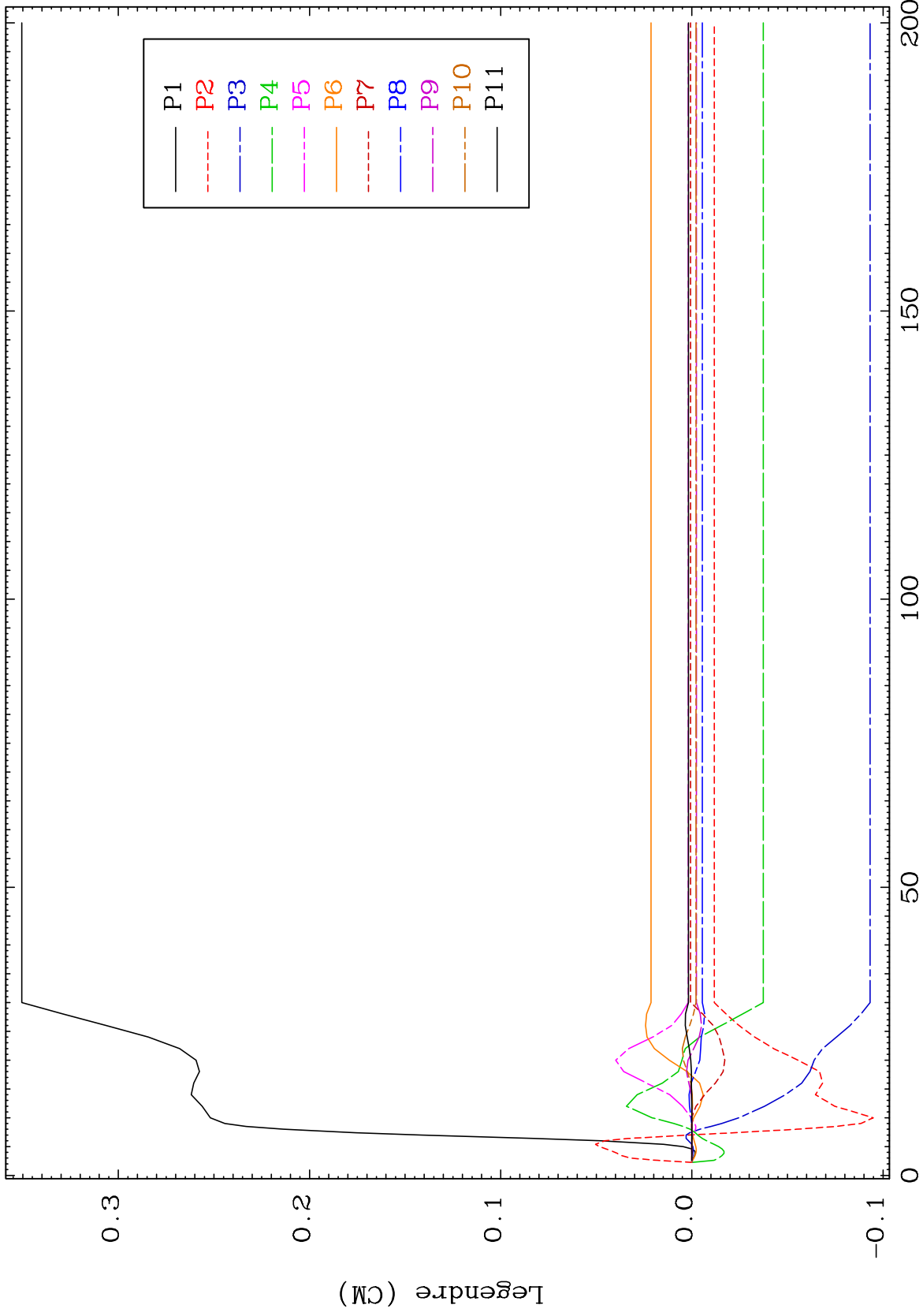
54-Xe-122



MAT 5419

MT= 64 (n,n') Level  
Legendre Coefficients

54-Xe-122



69

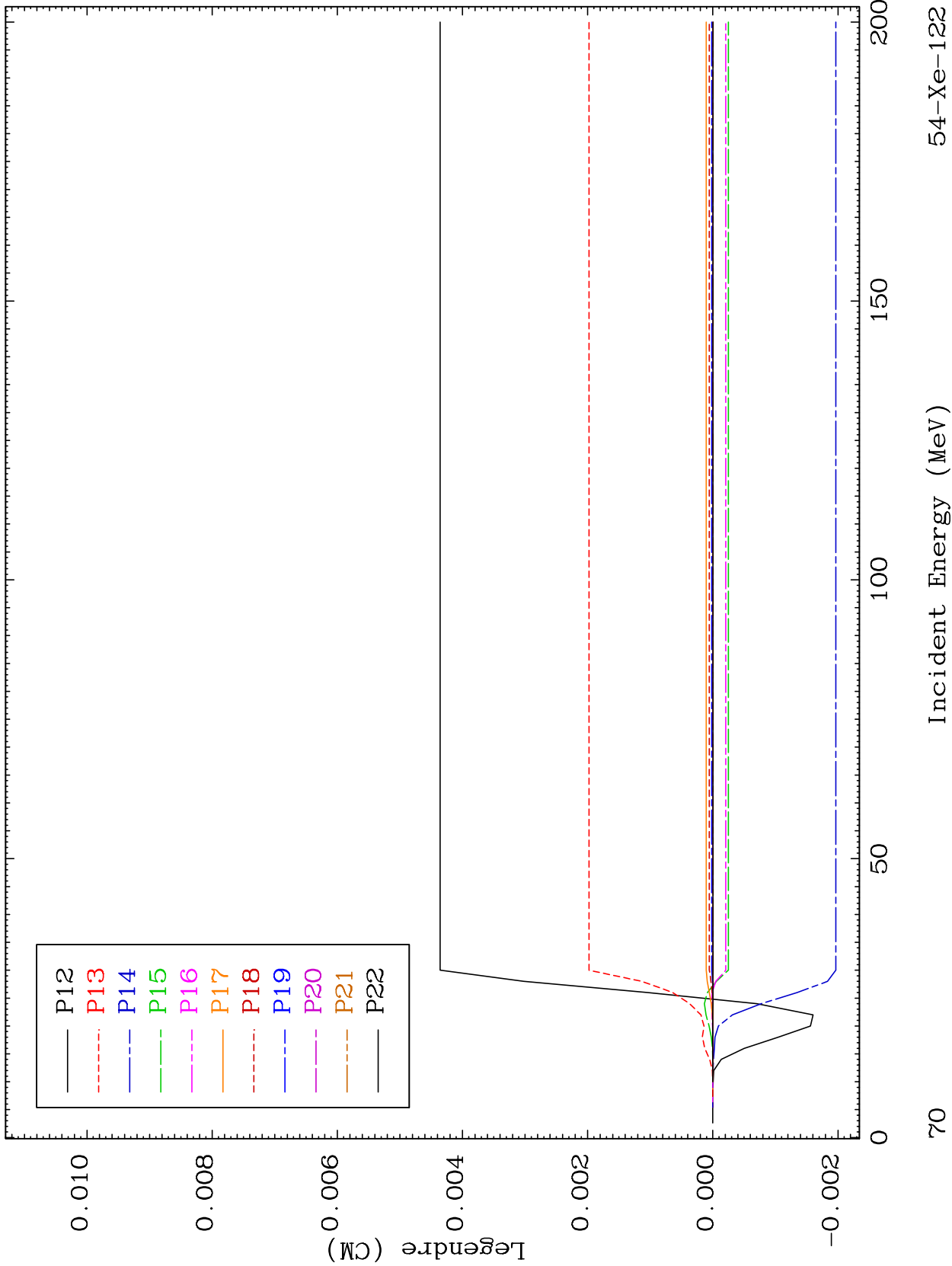
Incident Energy (MeV)

54-Xe-122

MAT 5419

MT= 64 (n,n') Level  
Legendre Coefficients

54-Xe-122



70

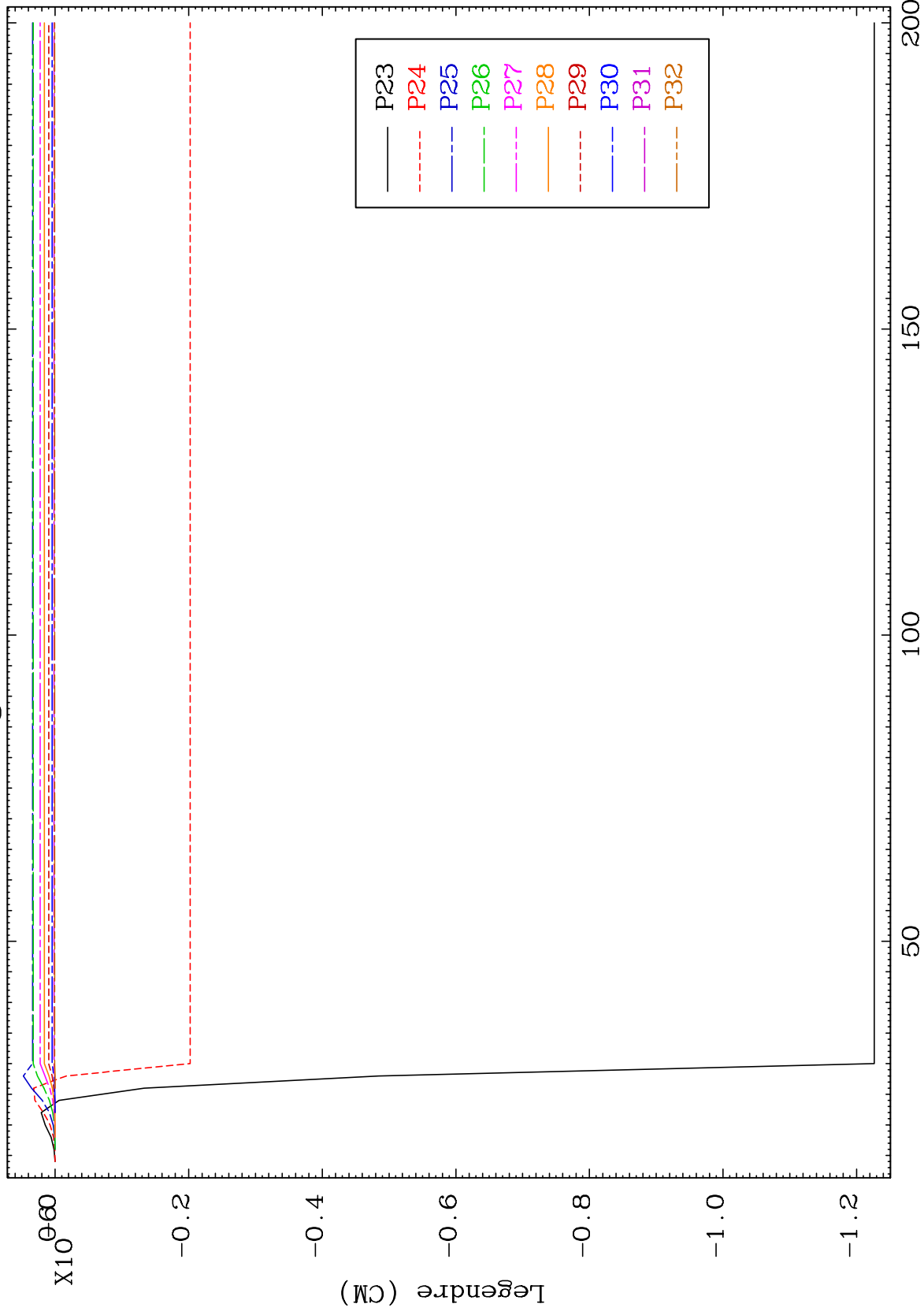
Incident Energy (MeV)

54-Xe-122

MAT 5419

MT= 64 (n,n') Level  
Legendre Coefficients

54-Xe-122



71

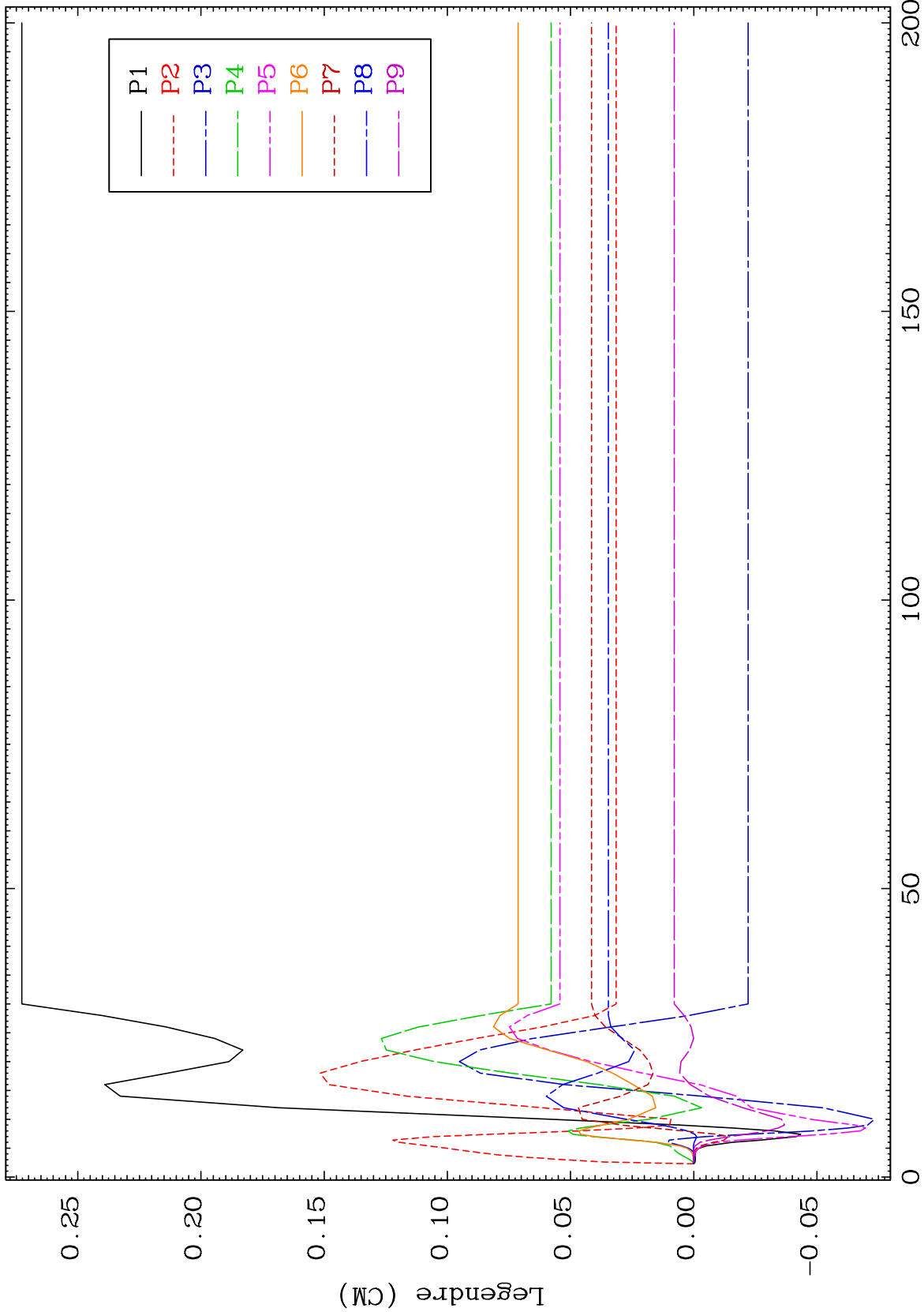
Incident Energy (MeV)

54-Xe-122

MAT 5419

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

54-Xe-122



72

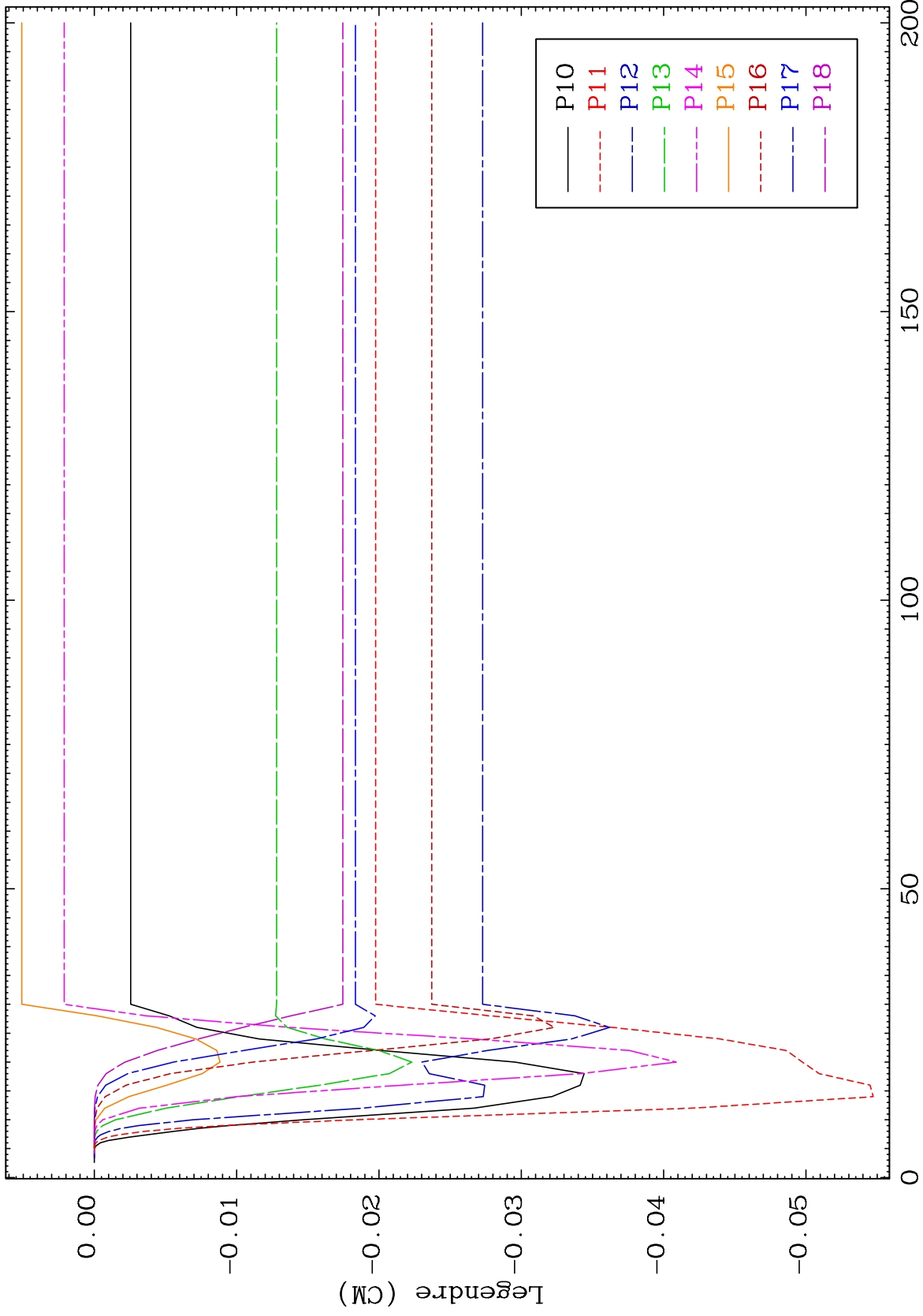
Incident Energy (MeV)

54-Xe-122

MAT 5419

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

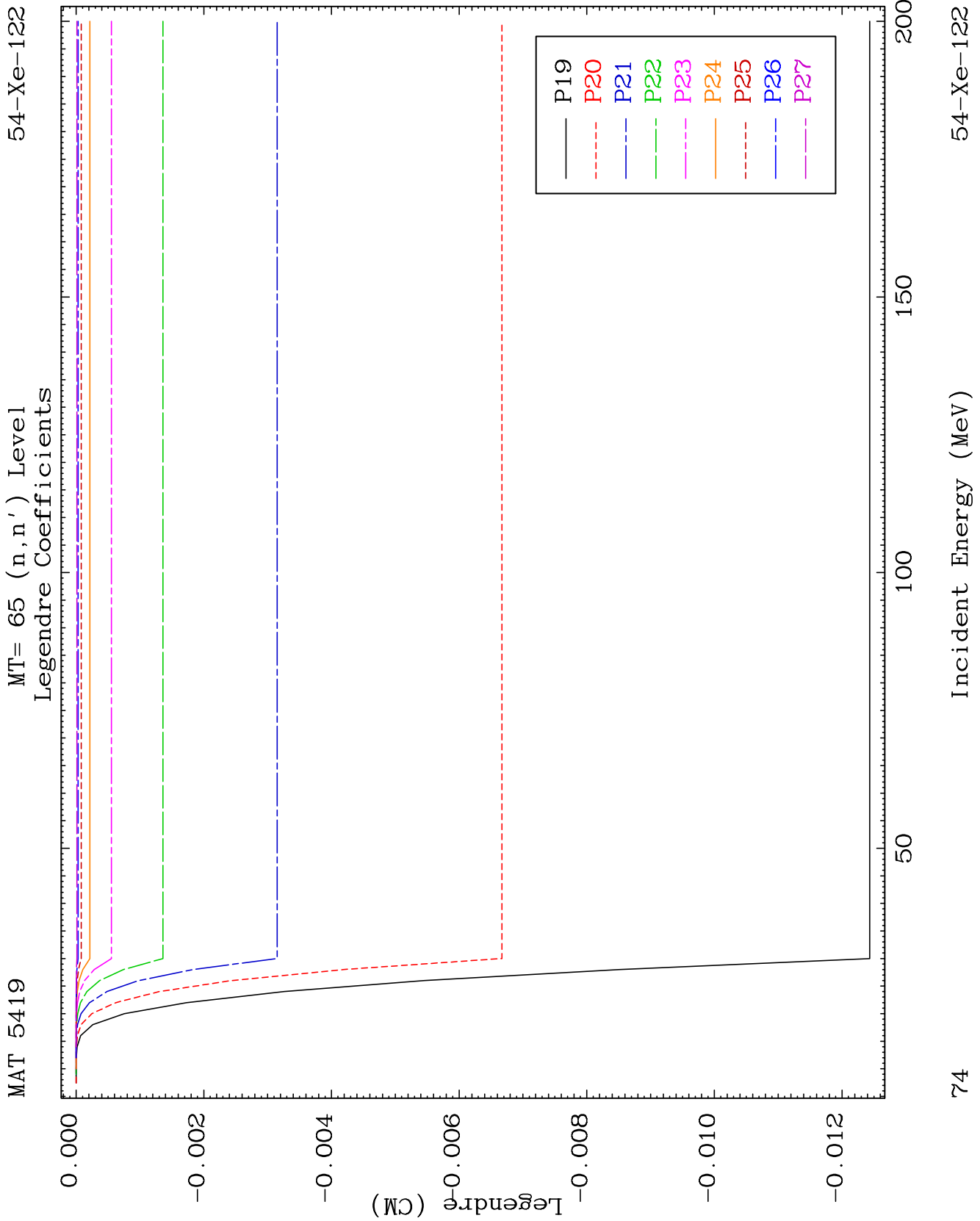
54-Xe-122

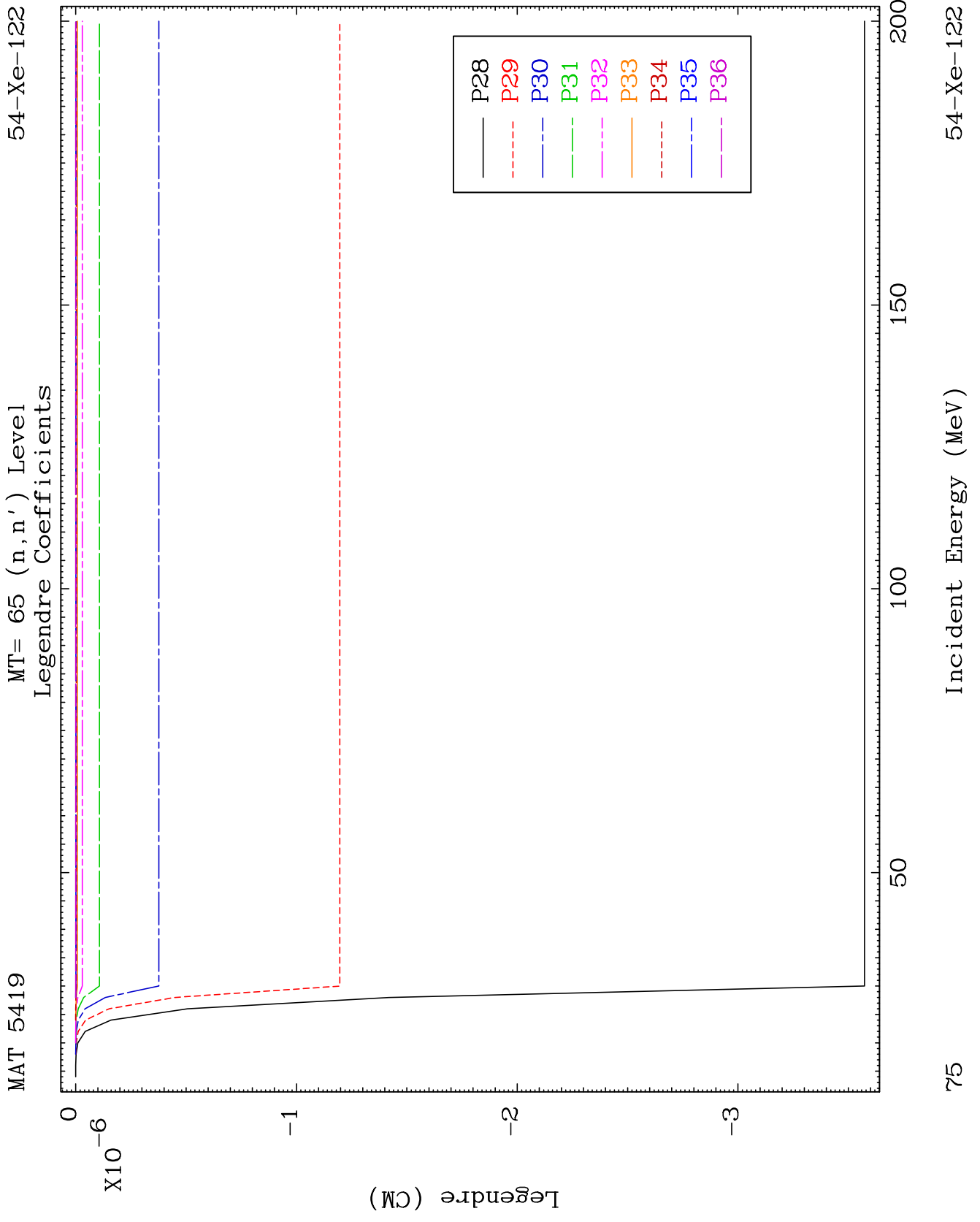


73

Incident Energy (MeV)

54-Xe-122



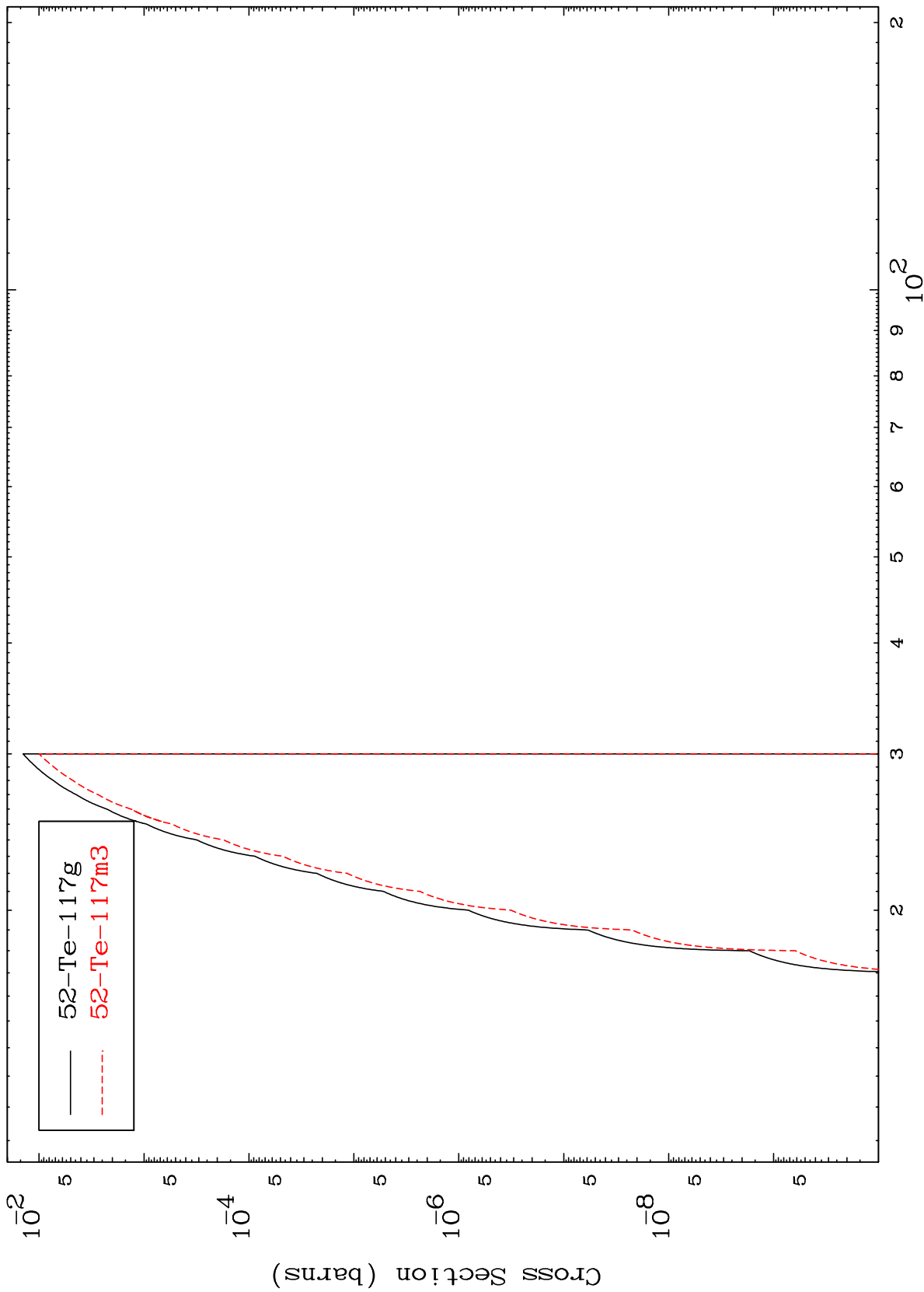


MAT 5419

(n,2n)  $\alpha$

54-Xe-122

Radionuclide Production Cross Section



76

Incident Energy (MeV)

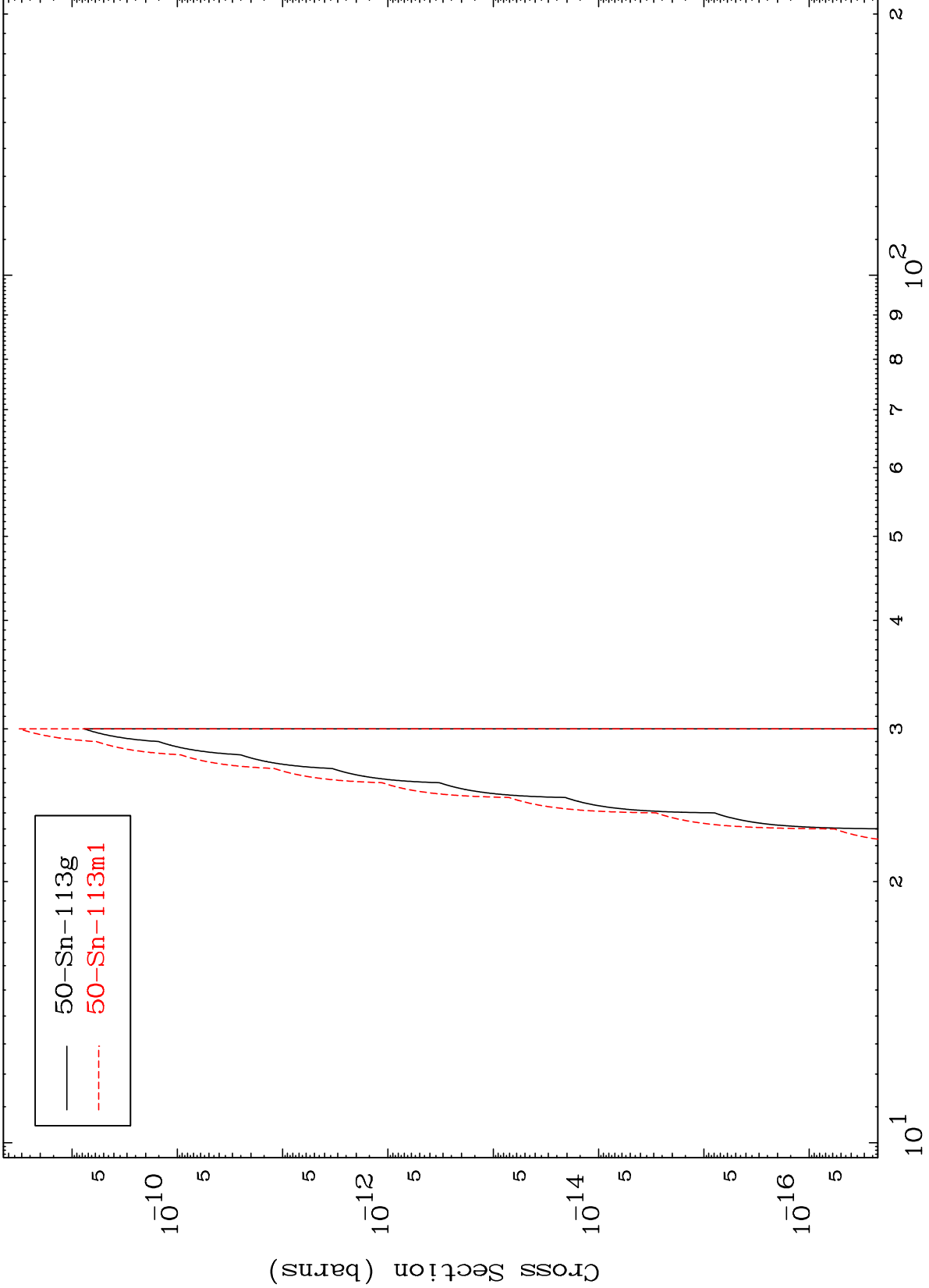
54-Xe-122

MAT 5419

(n,2n) 2α

54-Xe-122

Radionuclide Production Cross Section



50-Sn-113g  
50-Sn-113m1

Incident Energy (MeV)

54-Xe-122

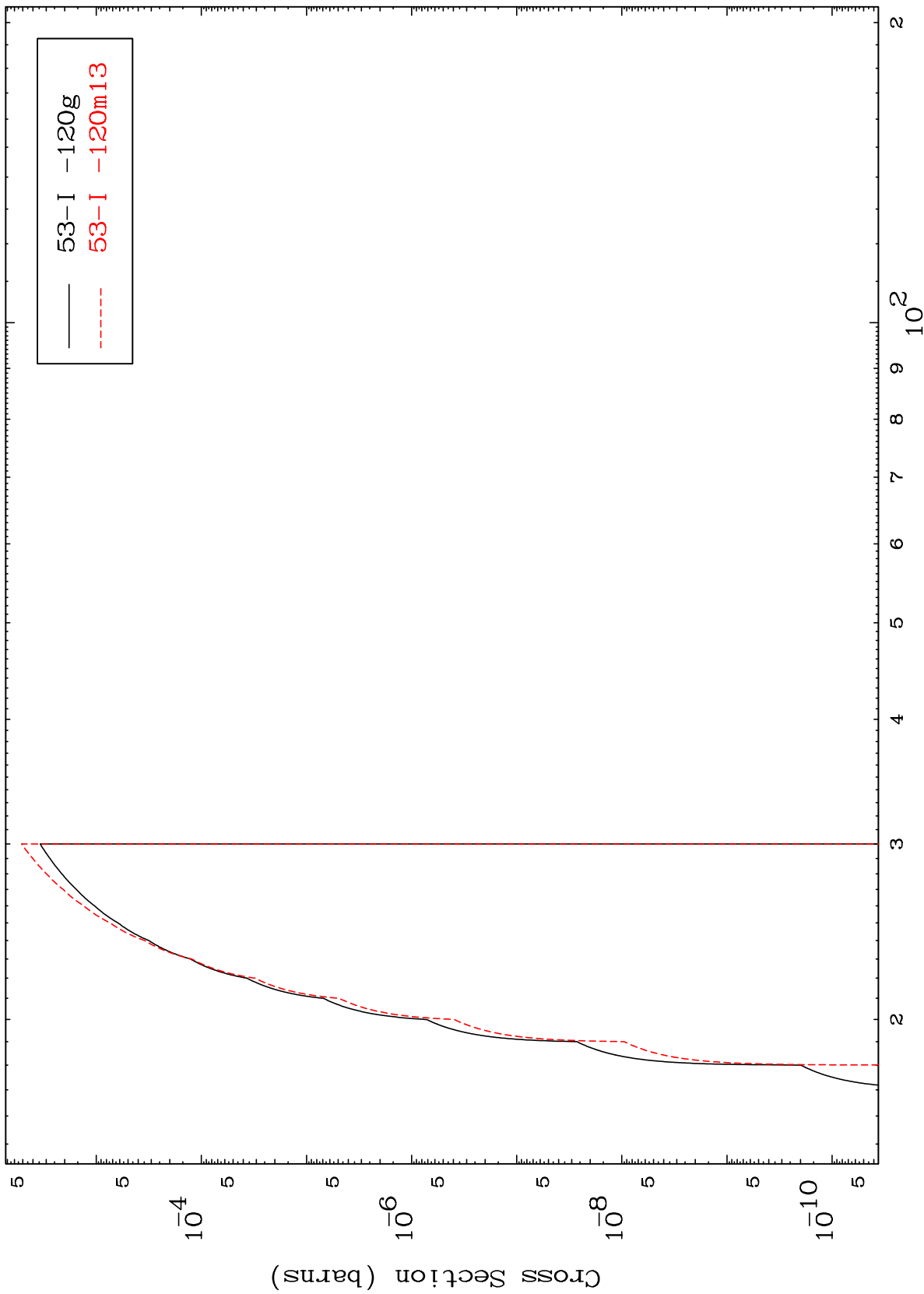
77

MAT 5419

(n,n') d

54-Xe-122

Radionuclide Production Cross Section



78

Incident Energy (MeV)

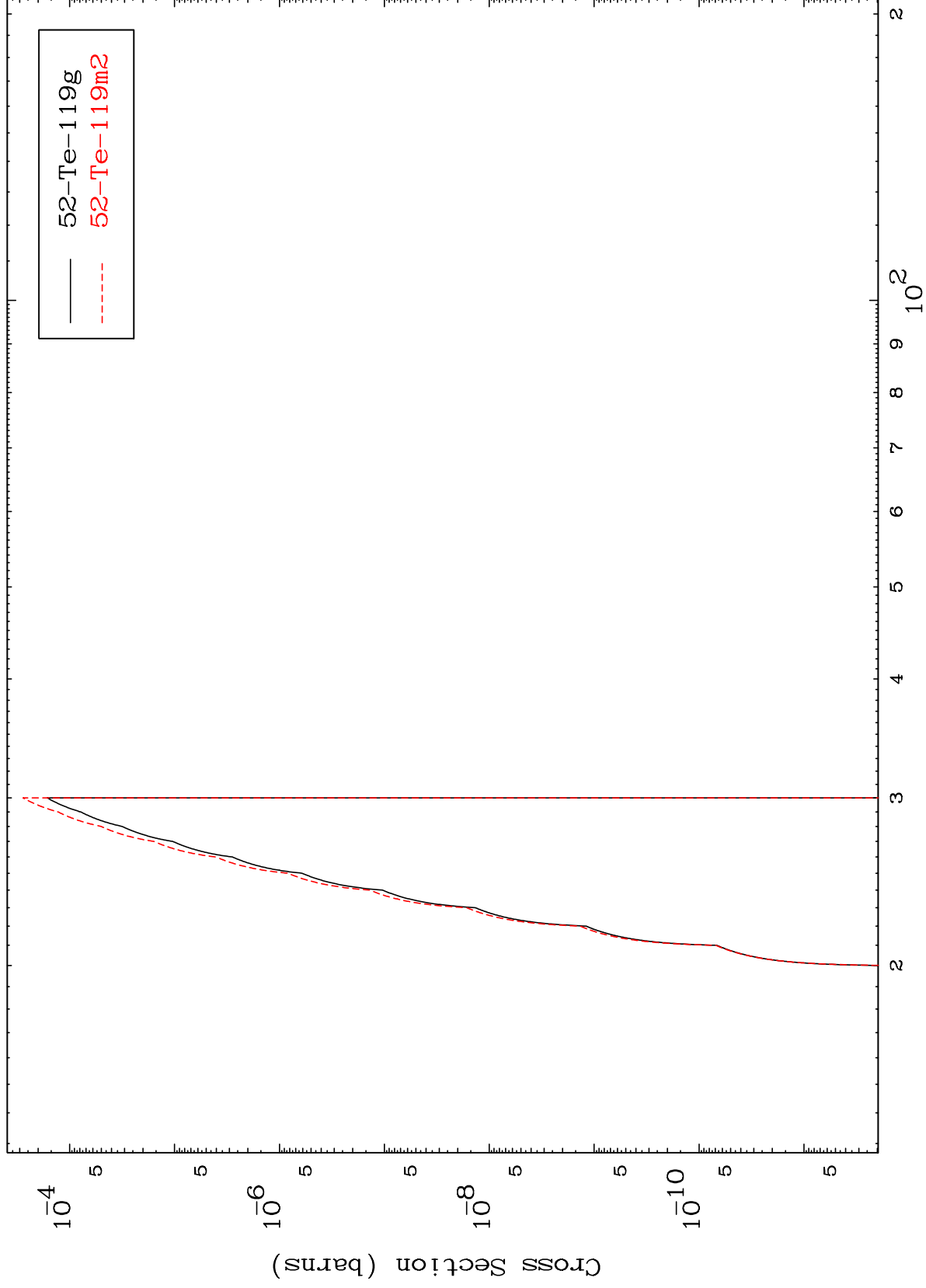
54-Xe-122

MAT 5419

(n,n') He-3

54-Xe-122

Radionuclide Production Cross Section



79

Incident Energy (MeV)

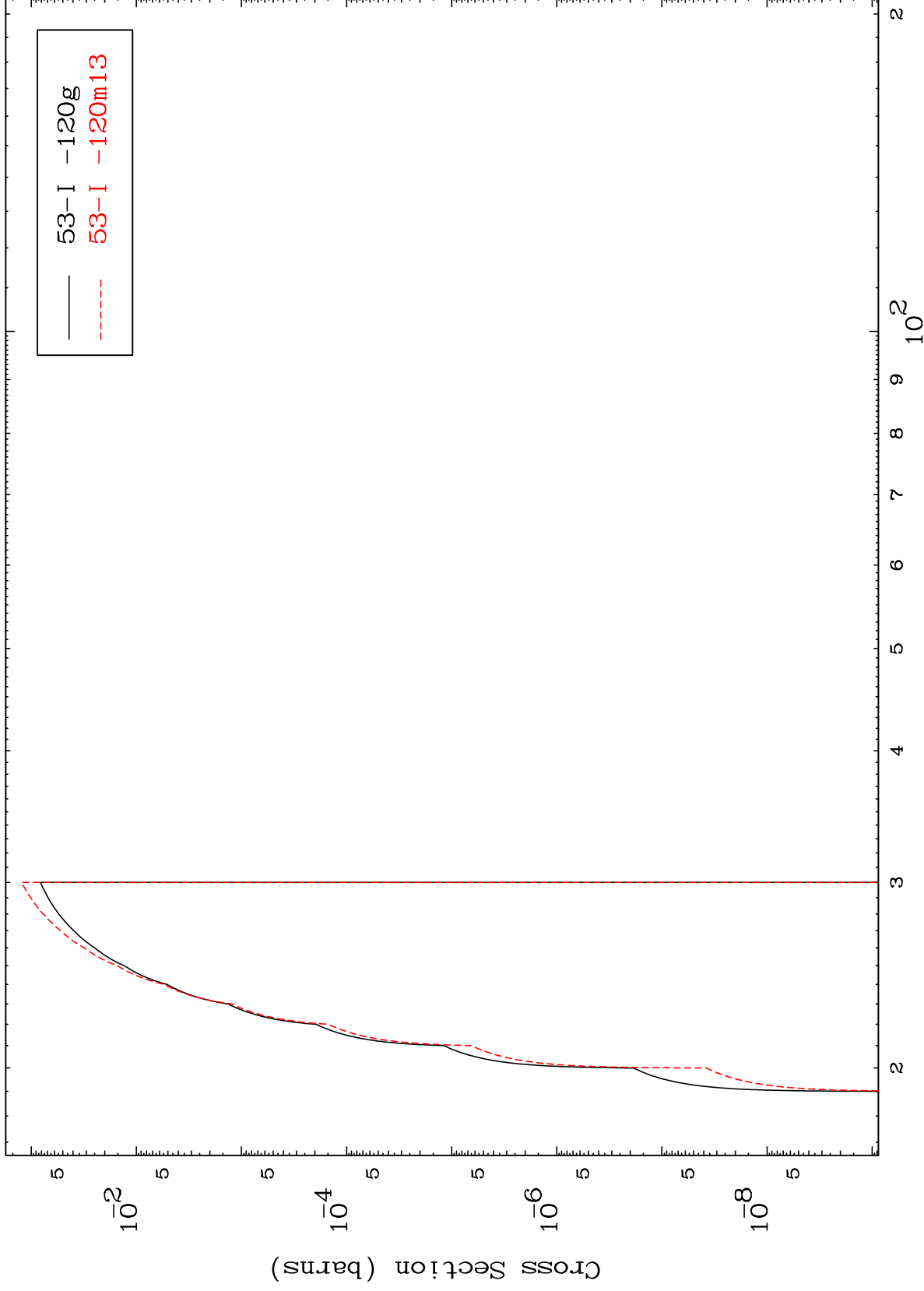
54-Xe-122

MAT 5419

(n,2n) p

54-Xe-122

Radionuclide Production Cross Section



80

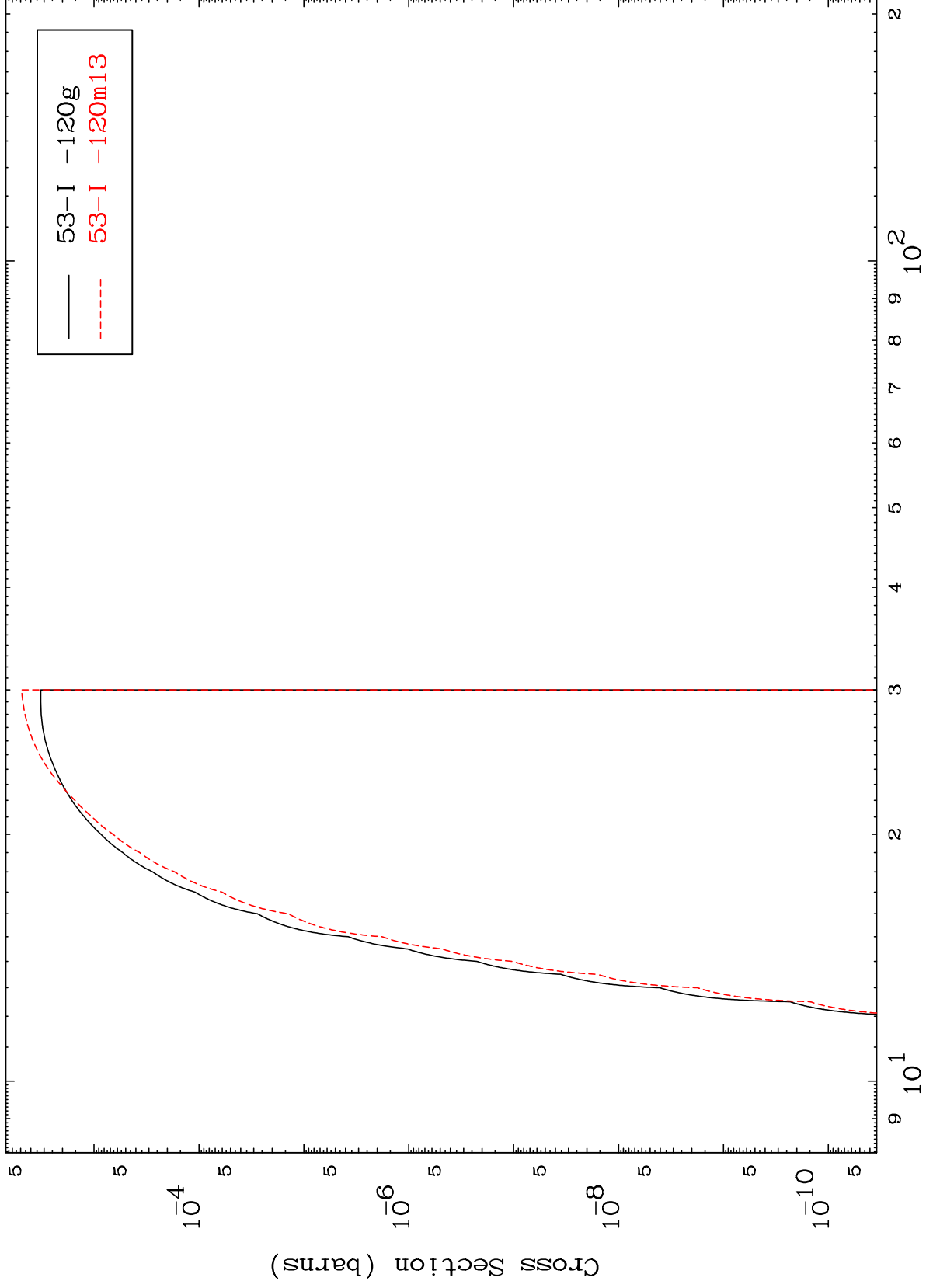
Incident Energy (MeV)

54-Xe-122

MAT 5419

54-Xe-122

(n,t)  
Radionuclide Production Cross Section



81

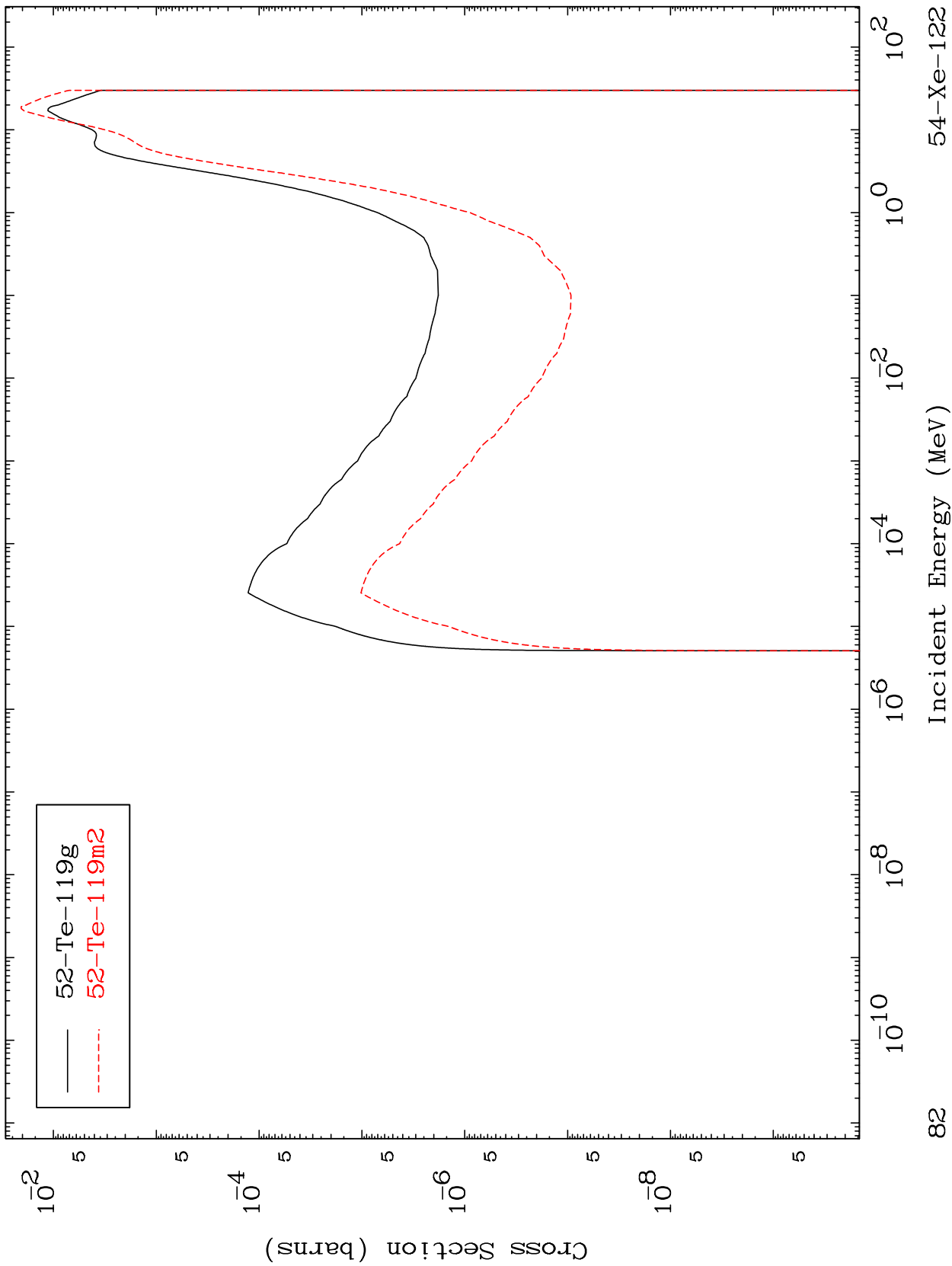
Incident Energy (MeV)

54-Xe-122

MAT 5419

54-Xe-122

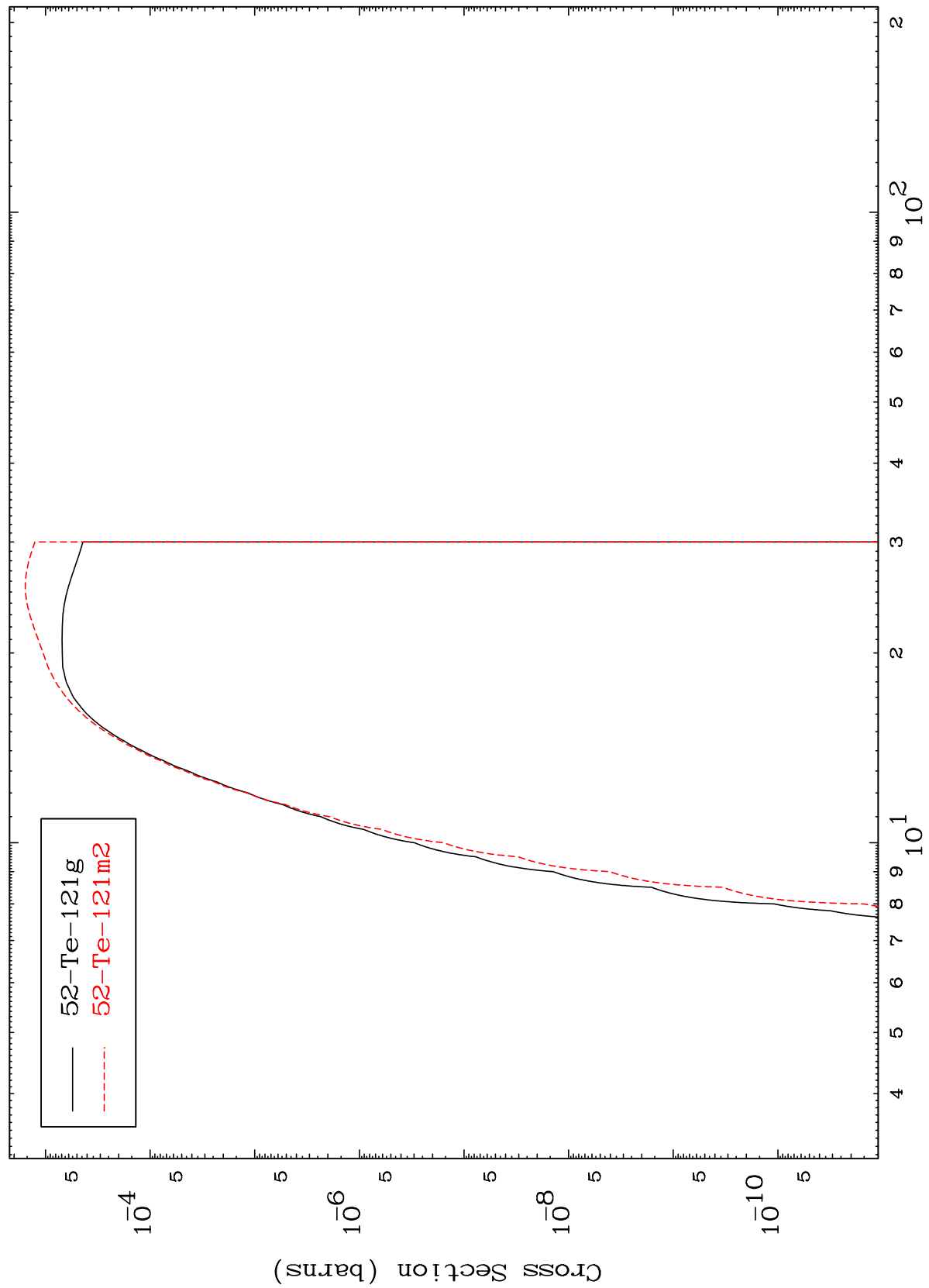
(n,  $\alpha$ )  
Radionuclide Production Cross Section



MAT 5419

54-Xe-122

Radionuclide Production Cross Section (n,2p)

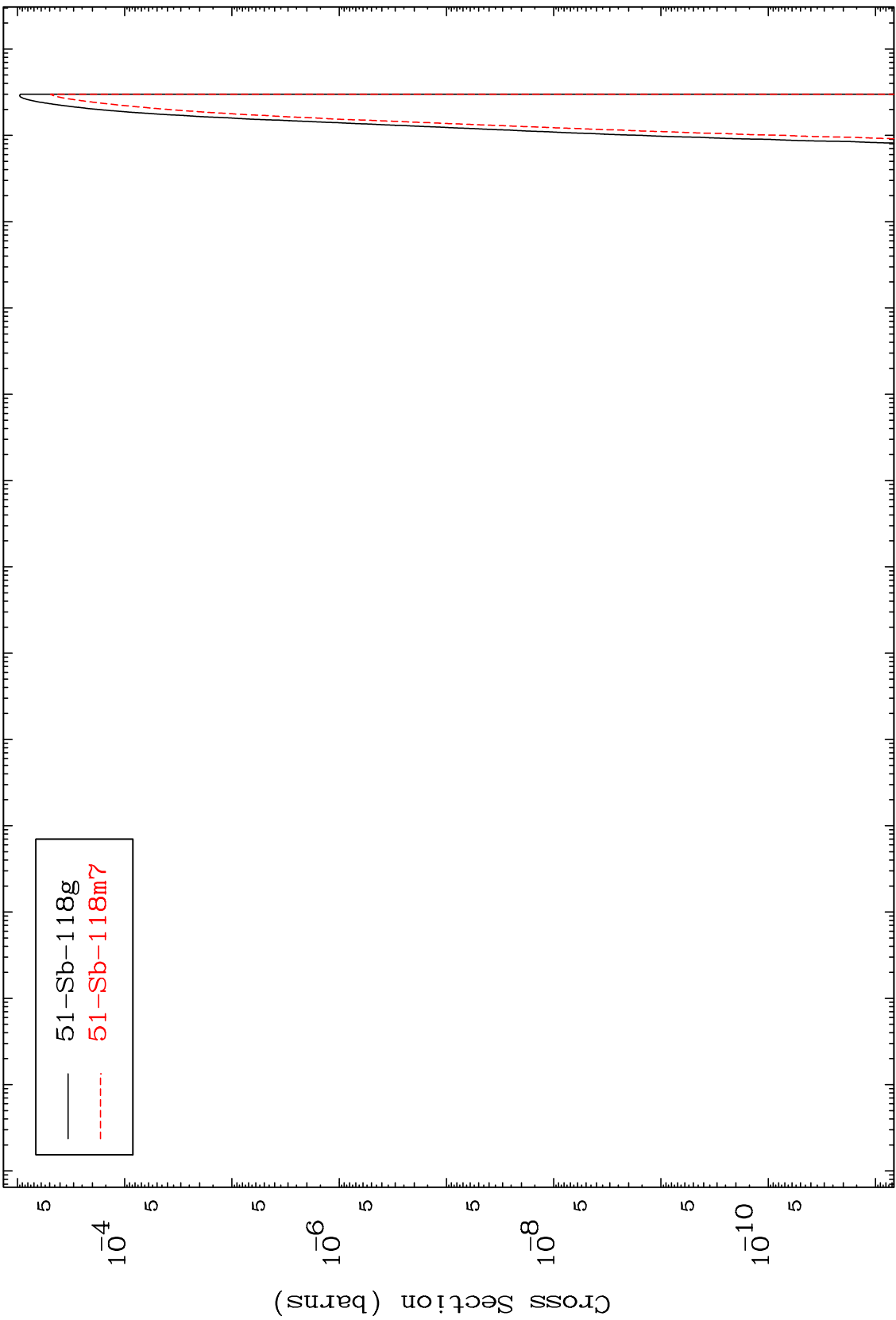
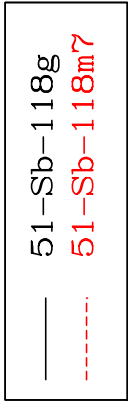


MAT 5419

(n,p)  $\alpha$

54-Xe-122

Radionuclide Production Cross Section



54-Xe-122

10<sup>-2</sup>

10<sup>-4</sup>

10<sup>-6</sup>

10<sup>-8</sup>

10<sup>-10</sup>

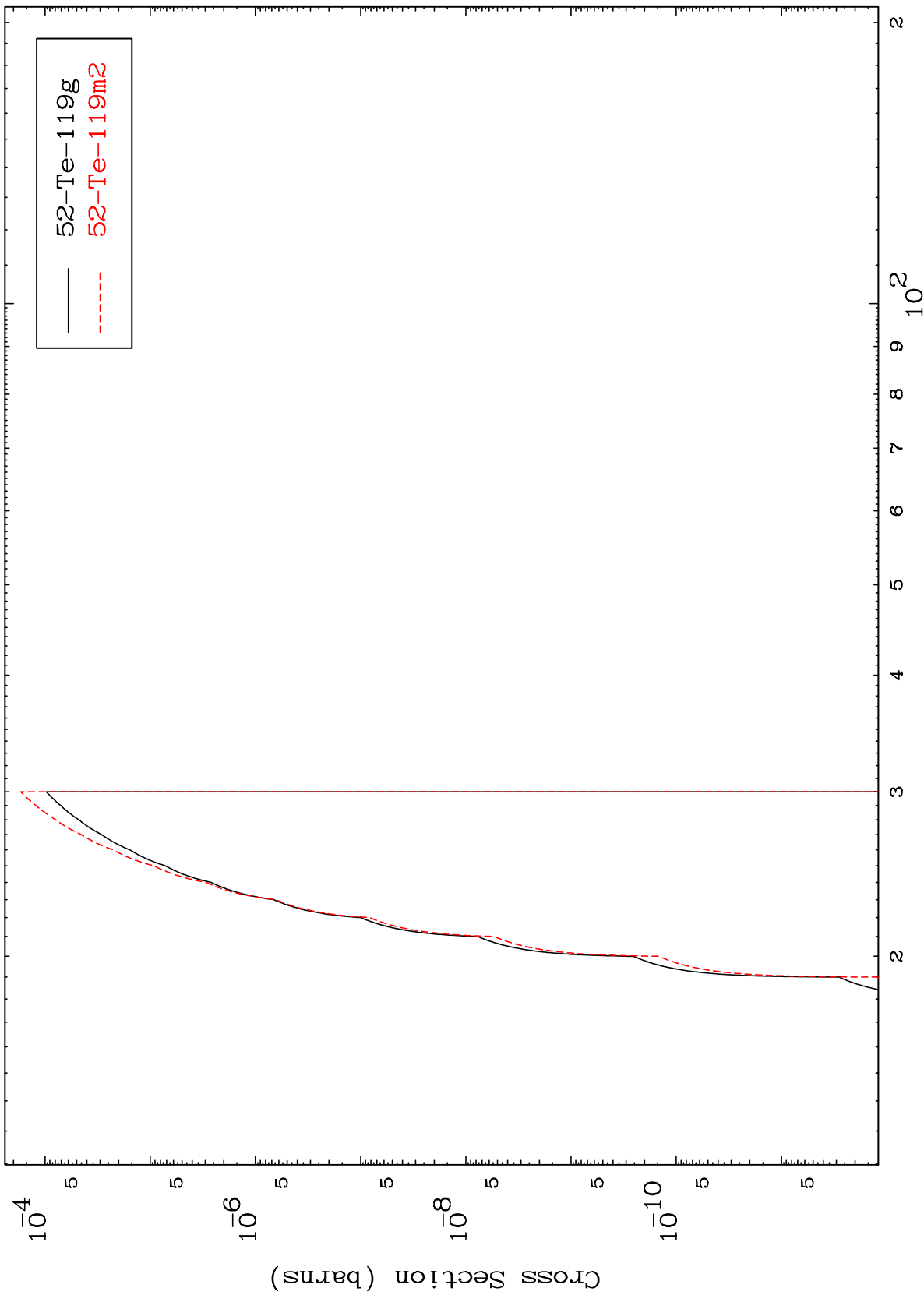
10<sup>0</sup>

10<sup>2</sup>

Incident Energy (MeV)

84

Radionuclide Production Cross Section



52-Te-119g  
52-Te-119m2