

Program EVALPLOT  
(Version 2018-1)

by

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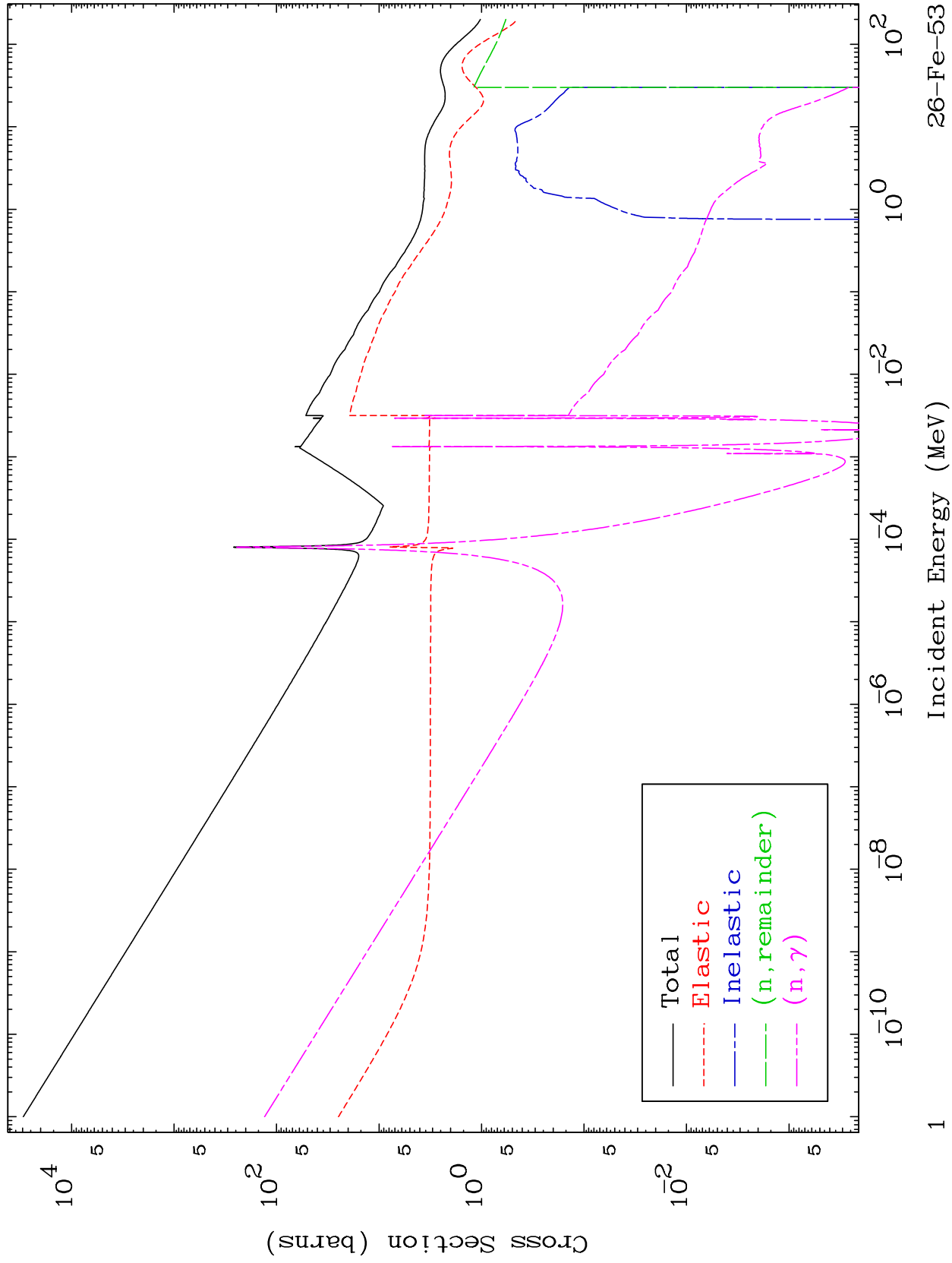
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2622

Major  
293 Kelvin Cross Sections

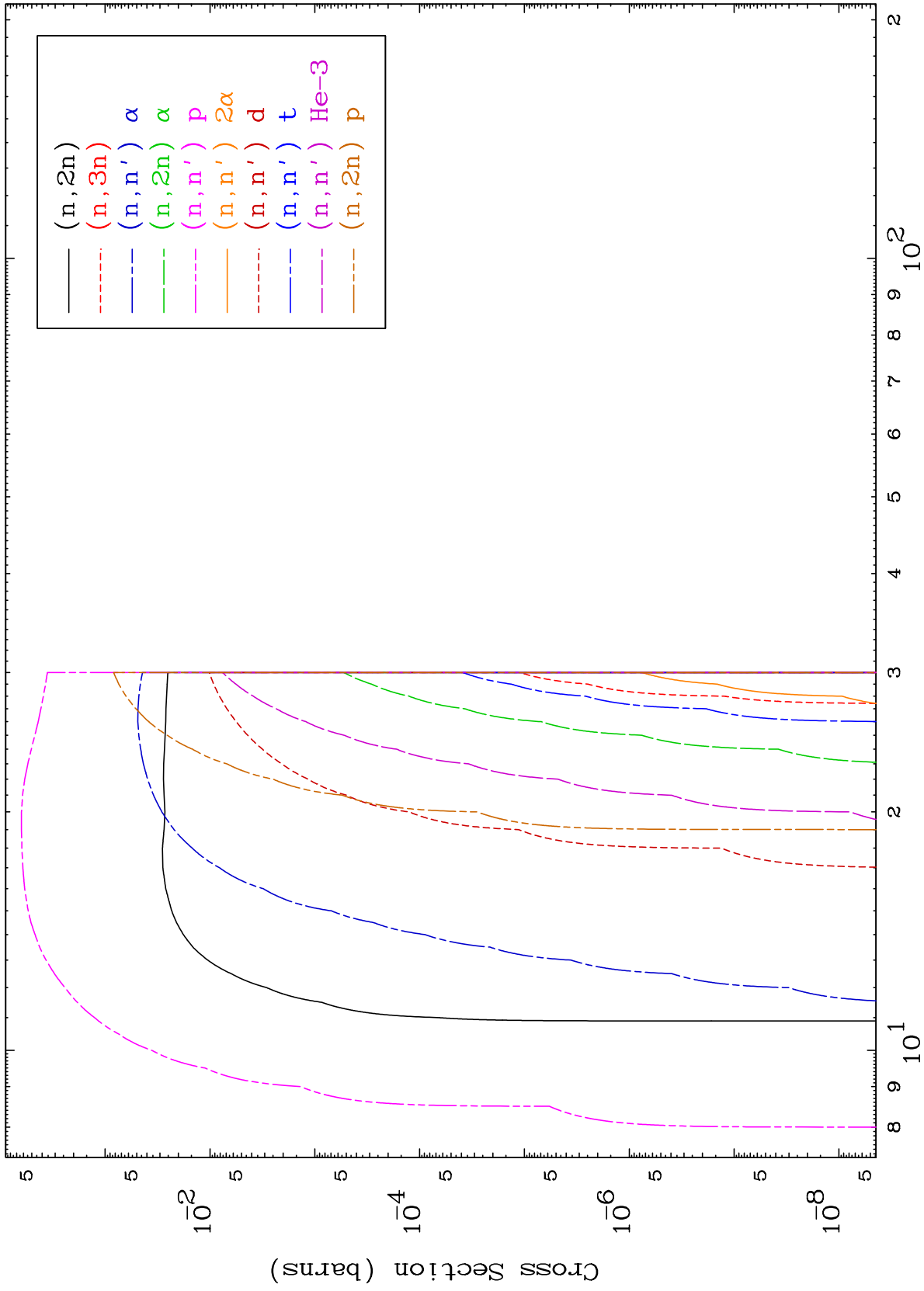
26-Fe-53



MAT 2622

Neutron Production  
293 Kelvin Cross Sections

26-Fe-53



2

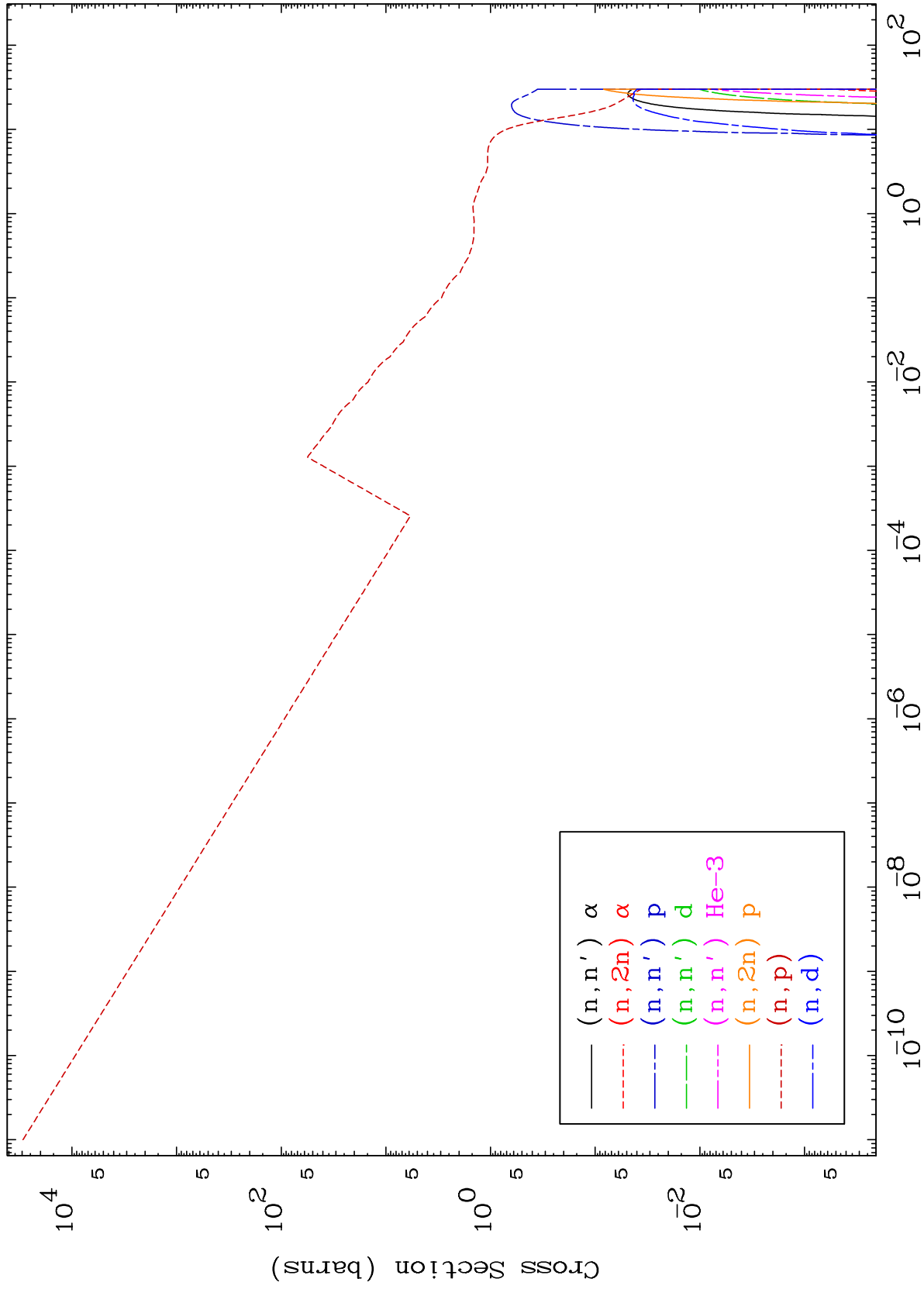
Incident Energy (MeV)

26-Fe-53

MAT 2622

Charged Particle  
293 Kelvin Cross Sections

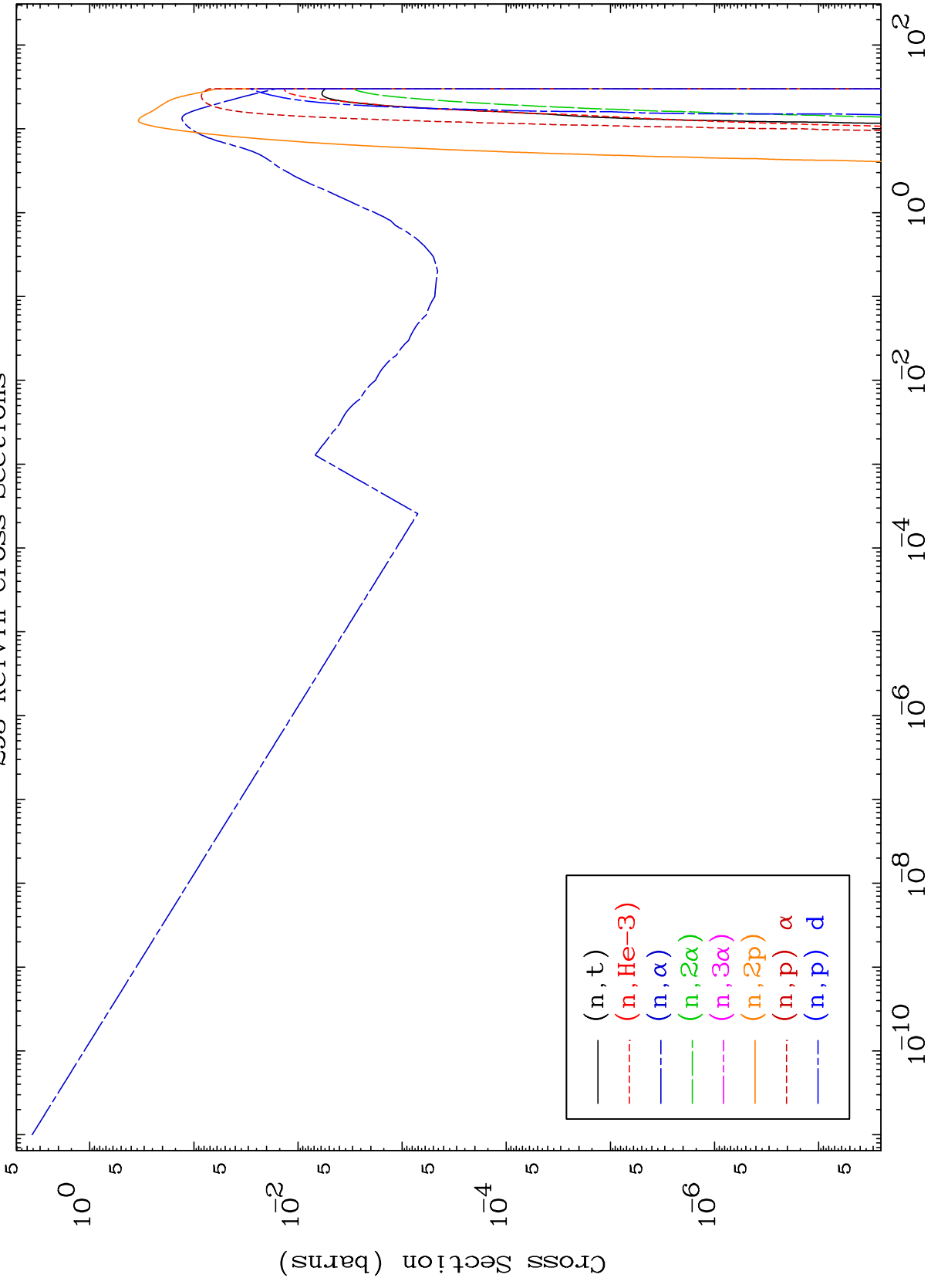
26-Fe-53



MAT 2622

Charged Particle  
293 Kelvin Cross Sections

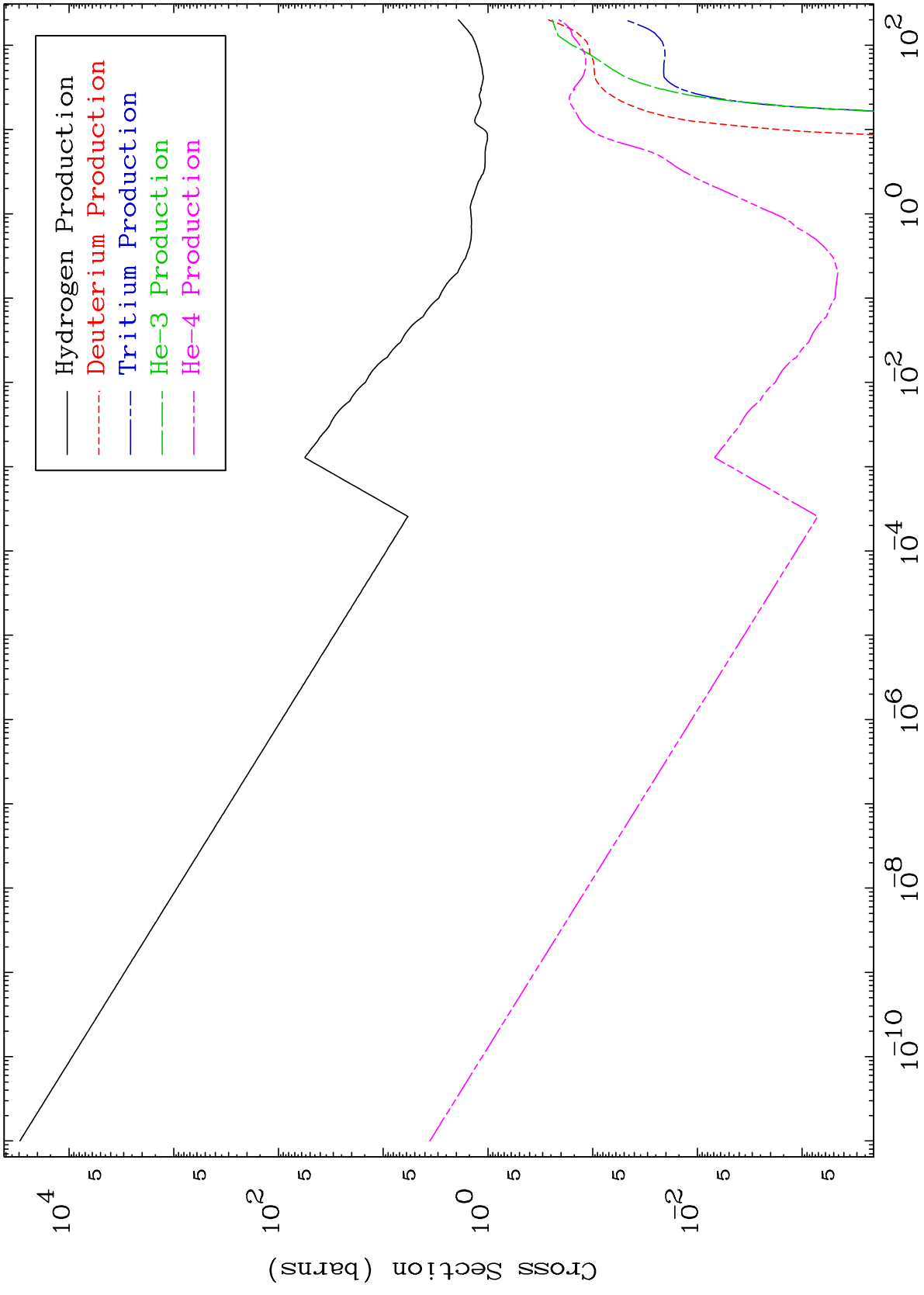
26-Fe-53



MAT 2622

Particle Production  
293 Kelvin Cross Sections

26-Fe-53



5

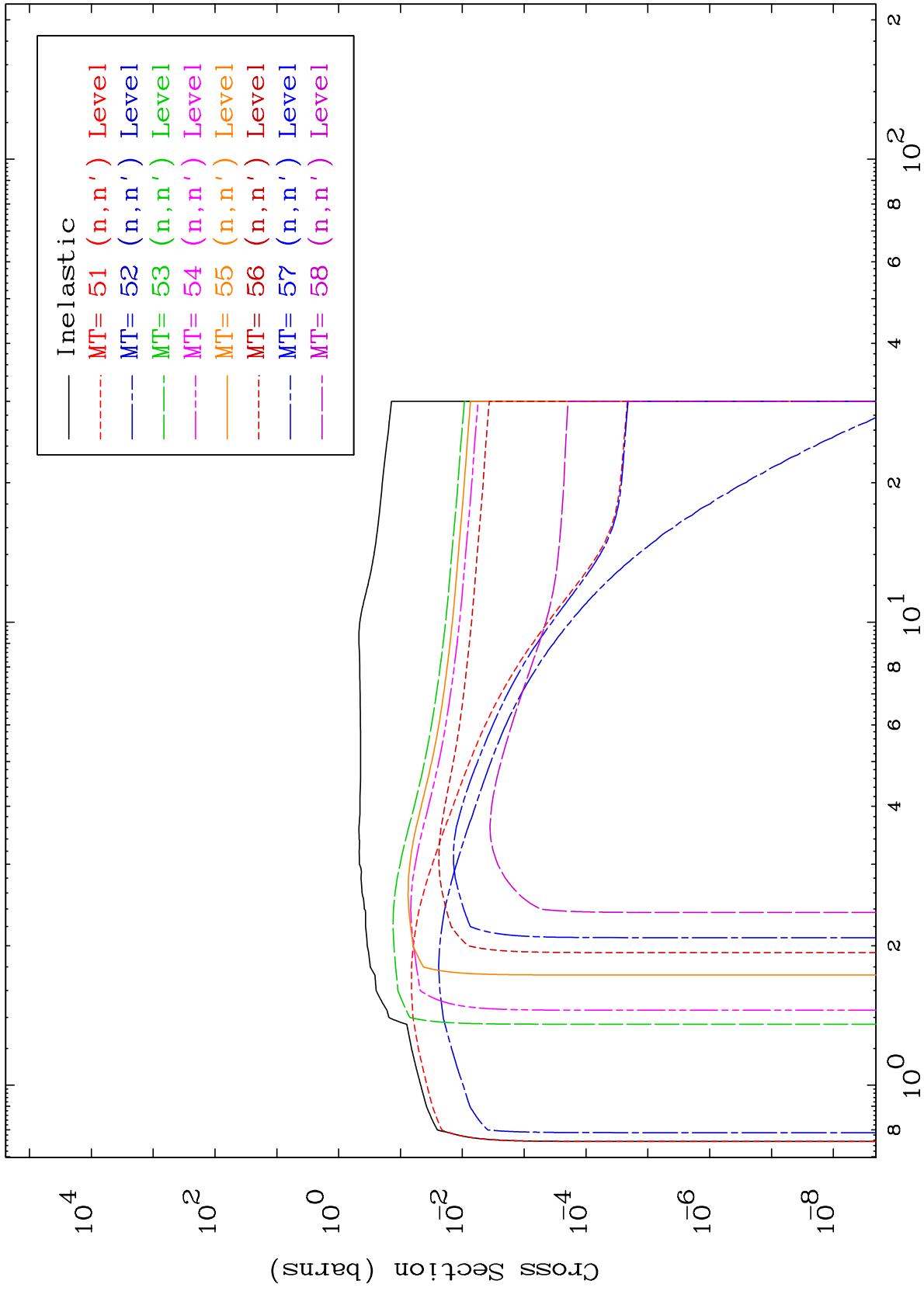
26-Fe-53

MAT 2622

(n,n') Level

26-Fe-53

293 Kelvin Cross Sections



6

Incident Energy (MeV)

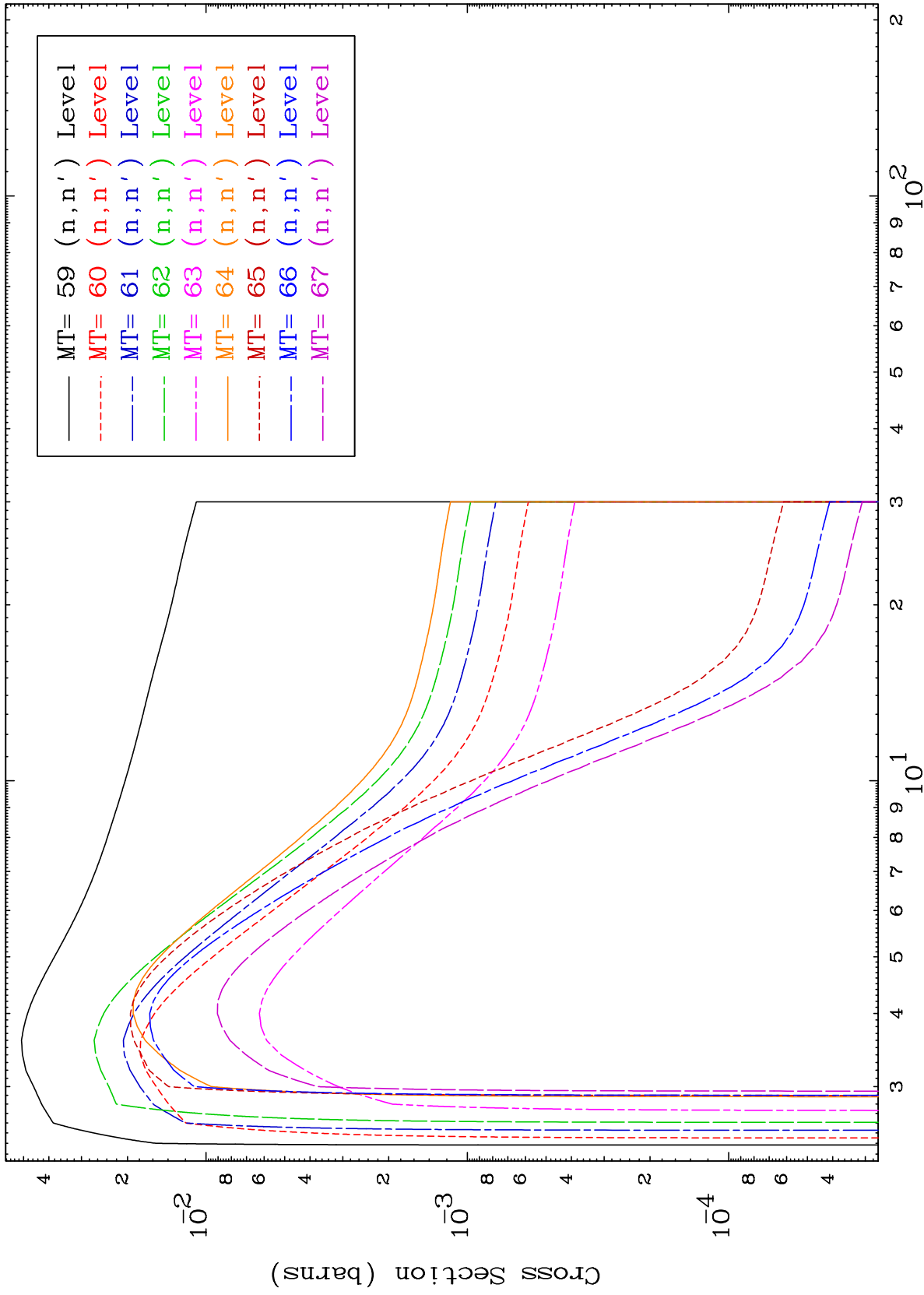
26-Fe-53

MAT 2622

(n,n') Level

26-Fe-53

293 Kelvin Cross Sections



7

Incident Energy (MeV)

26-Fe-53

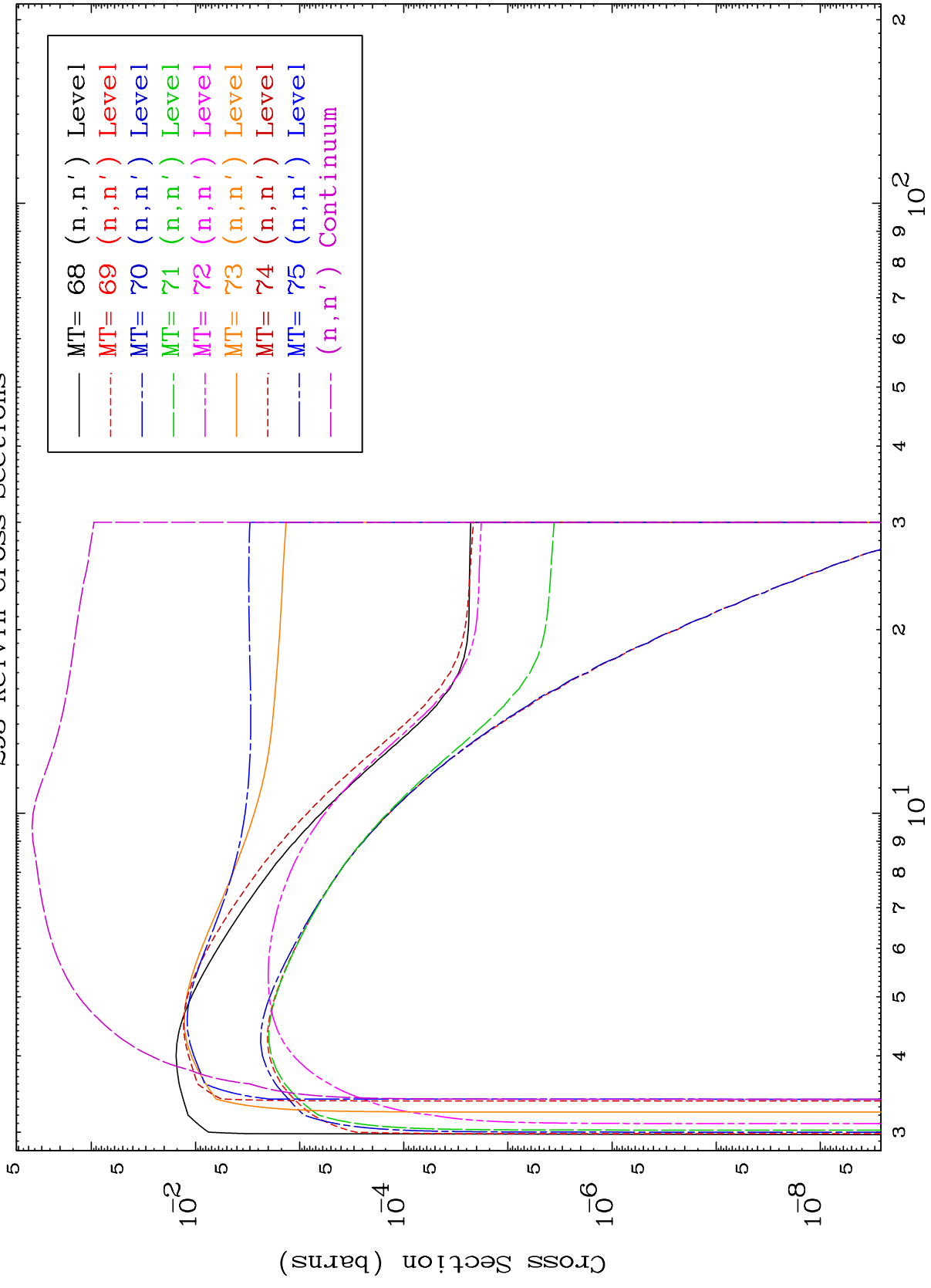


MAT 2622

(n,n') Level

26-Fe-53

293 Kelvin Cross Sections



8

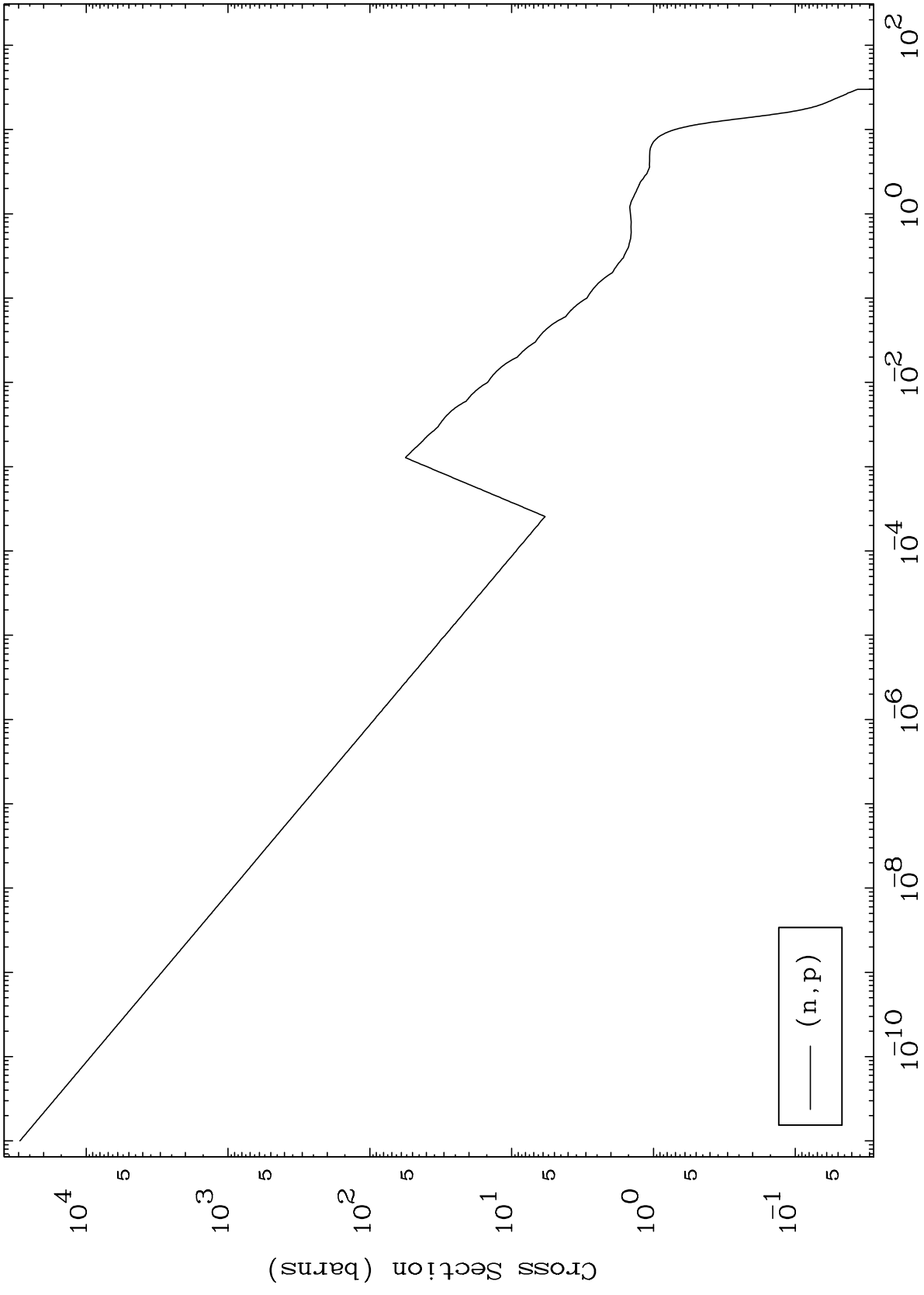
Incident Energy (MeV)

26-Fe-53

MAT 2622

(n,p) Levels  
293 Kelvin Cross Sections

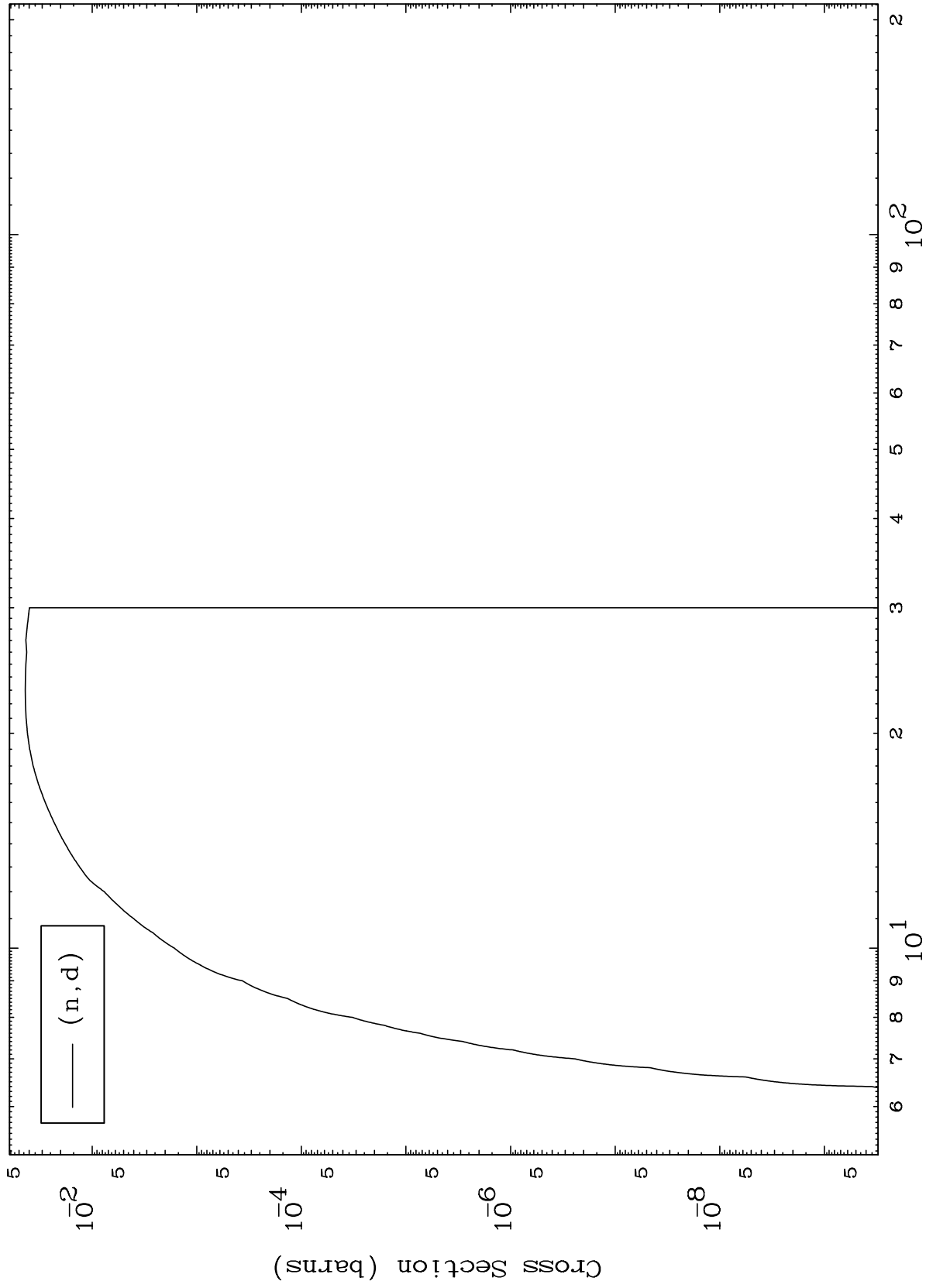
26-Fe-53



MAT 2622

(n,d) Levels  
293 Kelvin Cross Sections

<sup>26</sup>Fe-53



10

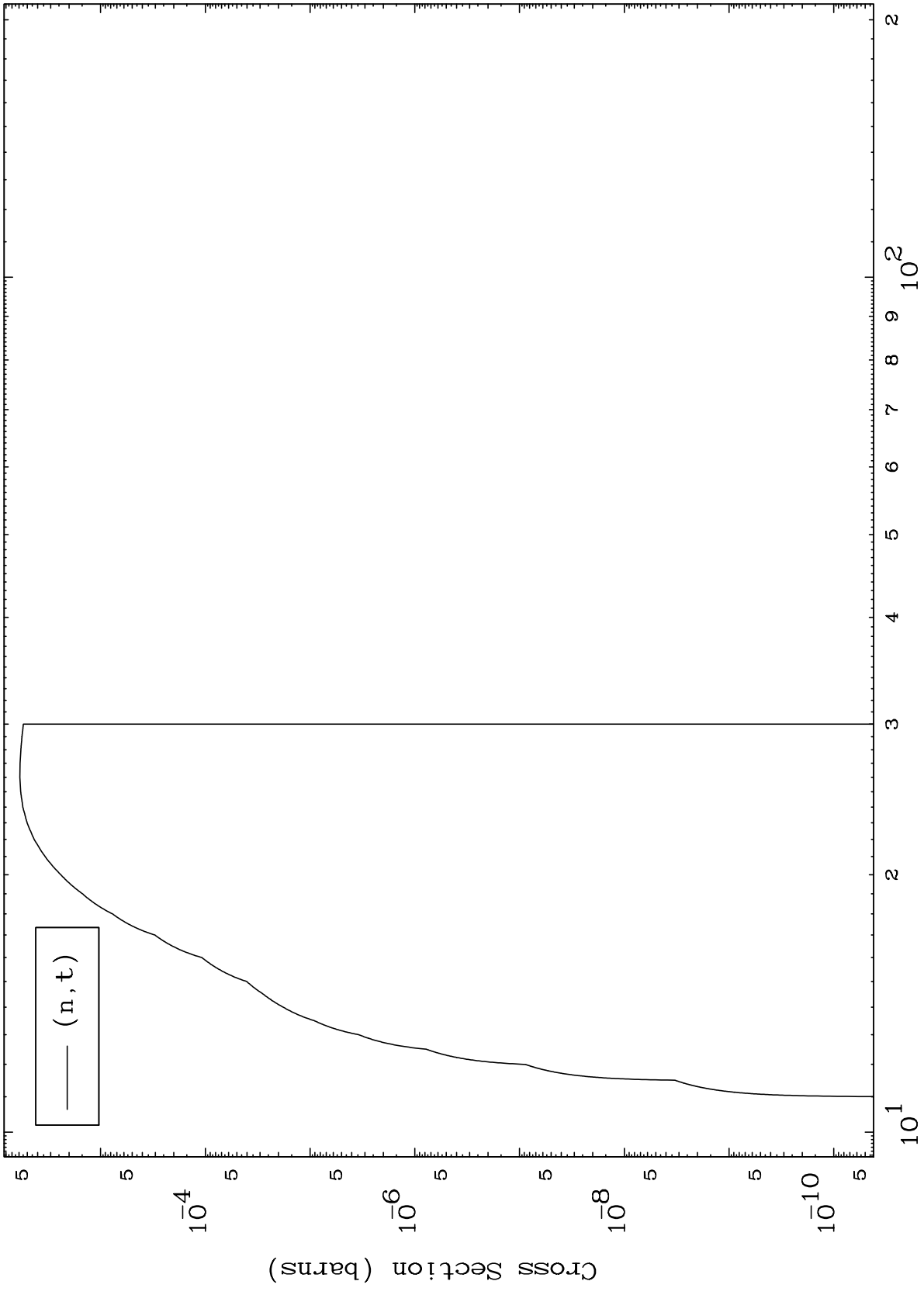
Incident Energy (MeV)

<sup>26</sup>Fe-53

MAT 2622

(n,t) Levels  
293 Kelvin Cross Sections

<sup>26</sup>Fe-53



11

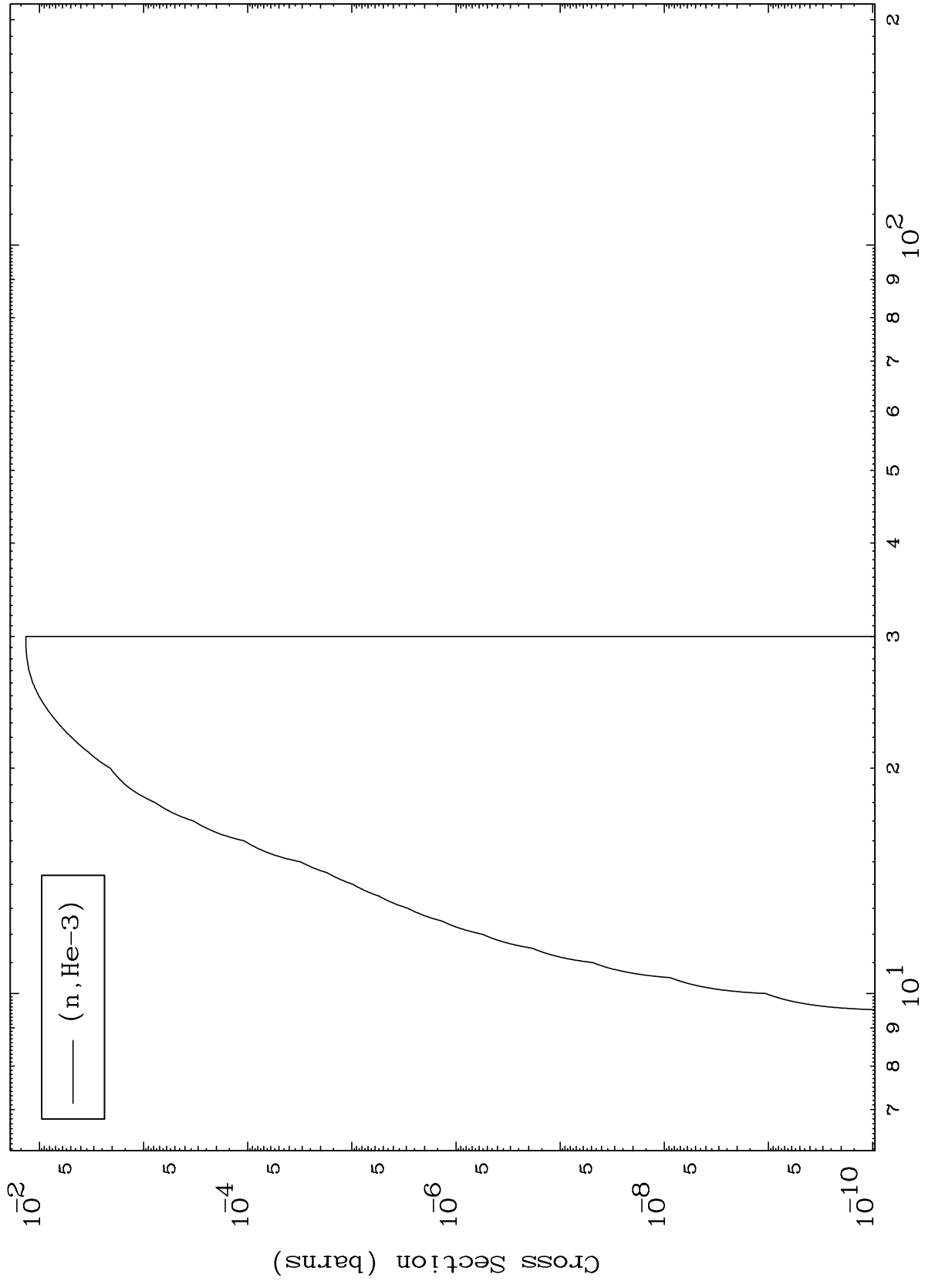
Incident Energy (MeV)

<sup>26</sup>Fe-53

MAT 2622

(n,He3) Levels  
293 Kelvin Cross Sections

26-Fe-53



12

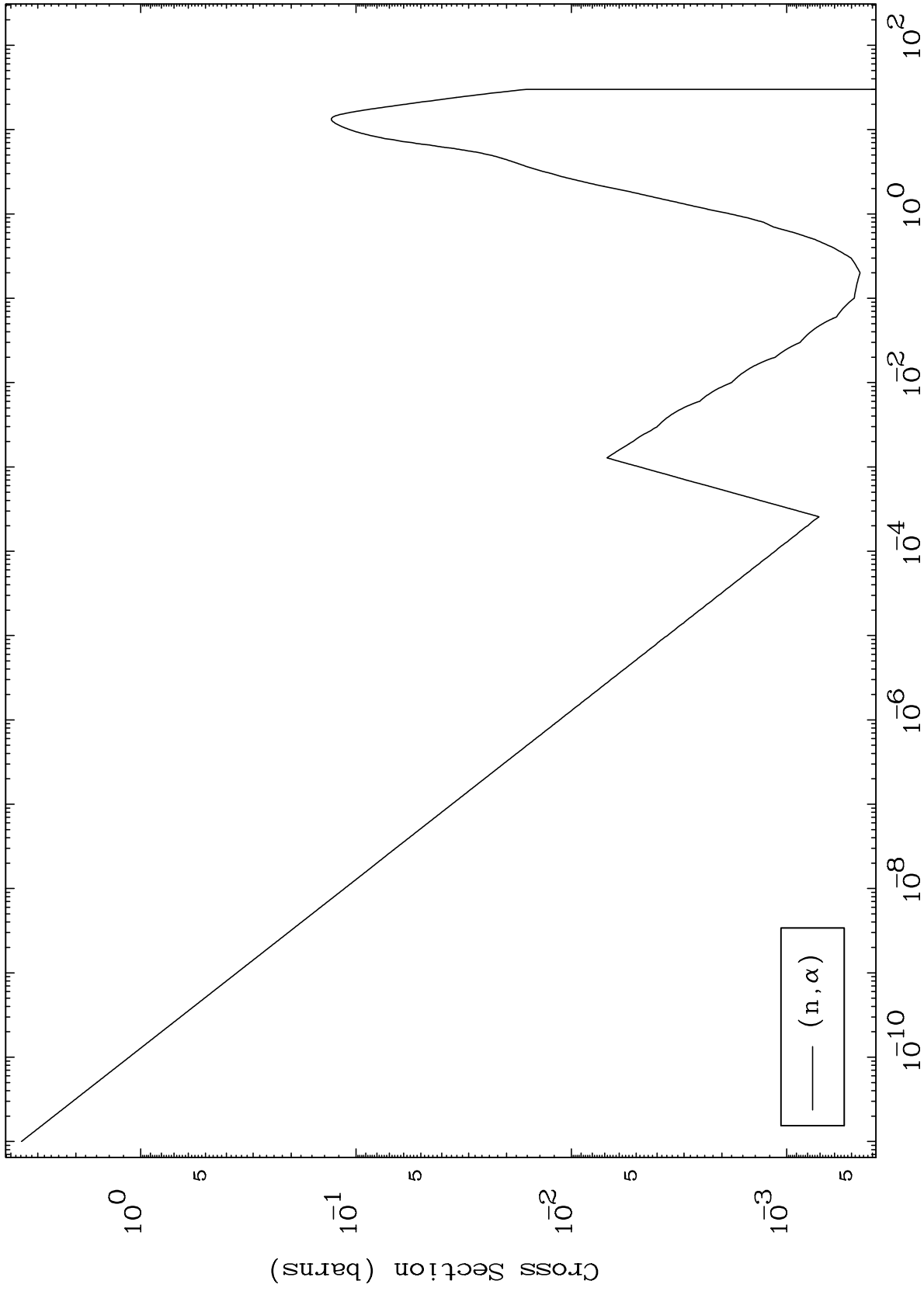
Incident Energy (MeV)

26-Fe-53

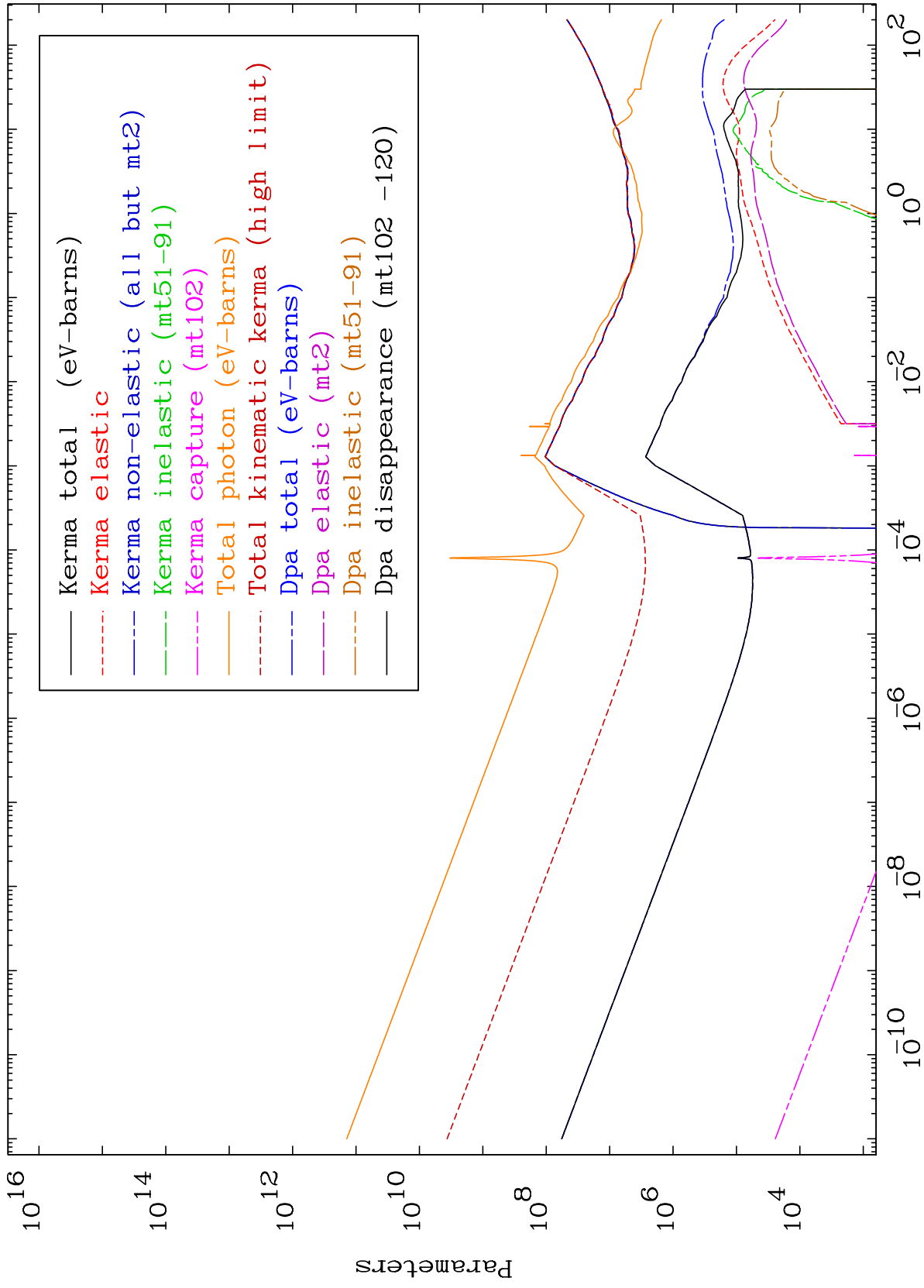
MAT 2622

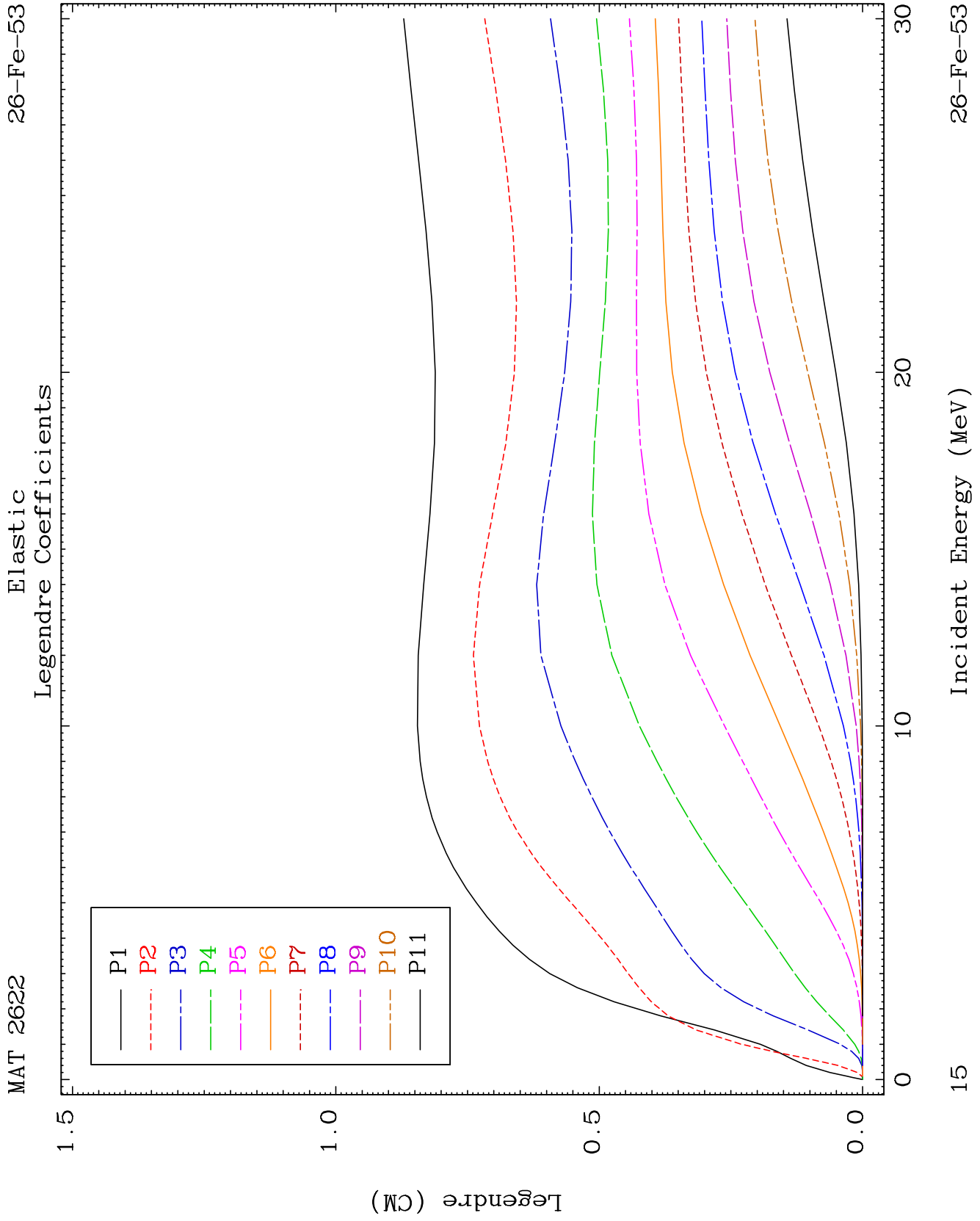
(n,α) Levels  
293 Kelvin Cross Sections

26-Fe-53



— (n,α)



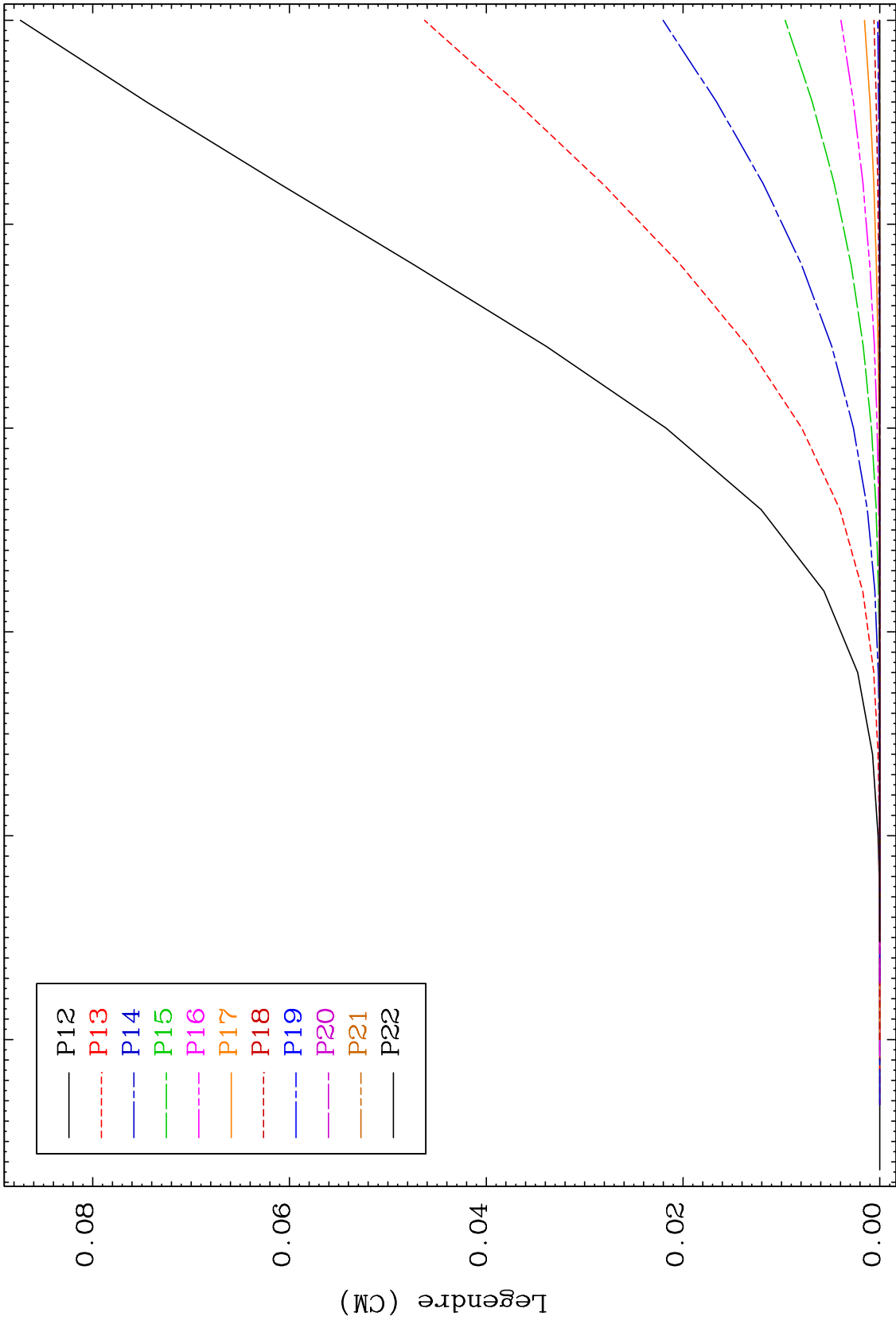




MAT 2622

Elastic Legendre Coefficients

<sup>26</sup>Fe-53



16

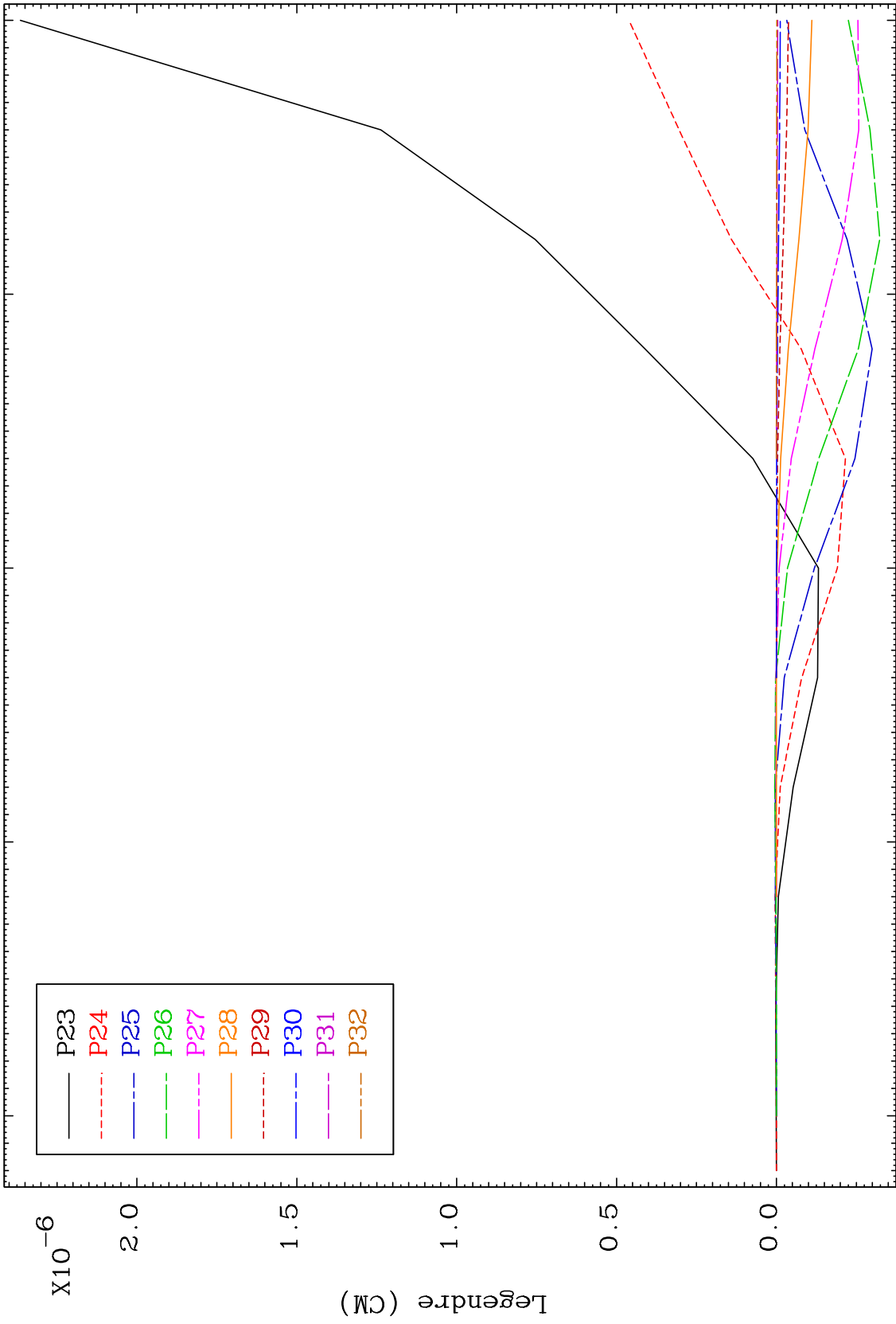
Incident Energy (MeV)

<sup>26</sup>Fe-53

MAT 2622

Elastic Legendre Coefficients

<sup>26</sup>Fe-53



17

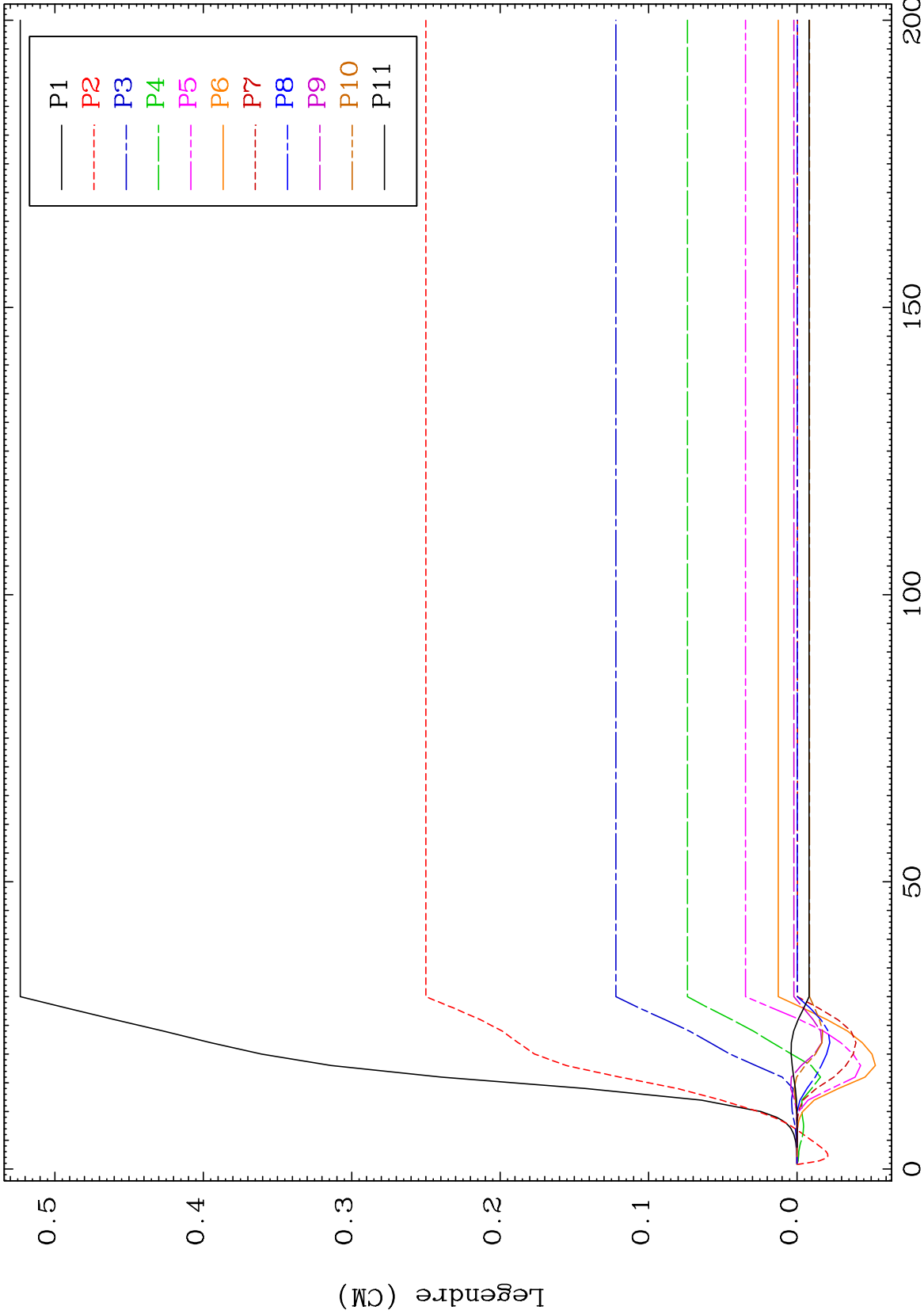
Incident Energy (MeV)

<sup>26</sup>Fe-53

MAT 2622

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

26-Fe-53



18

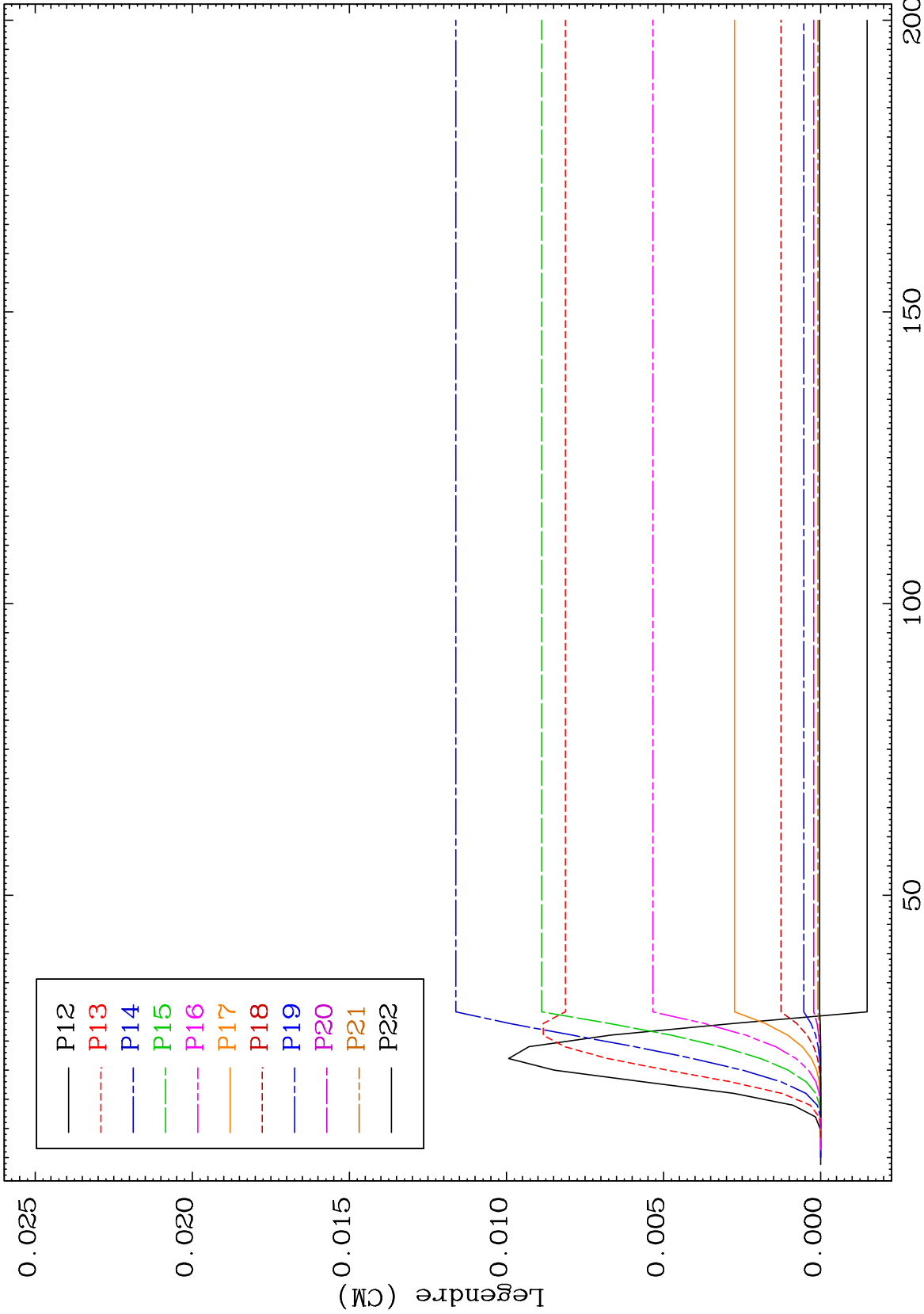
Incident Energy (MeV)

26-Fe-53

MAT 2622

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

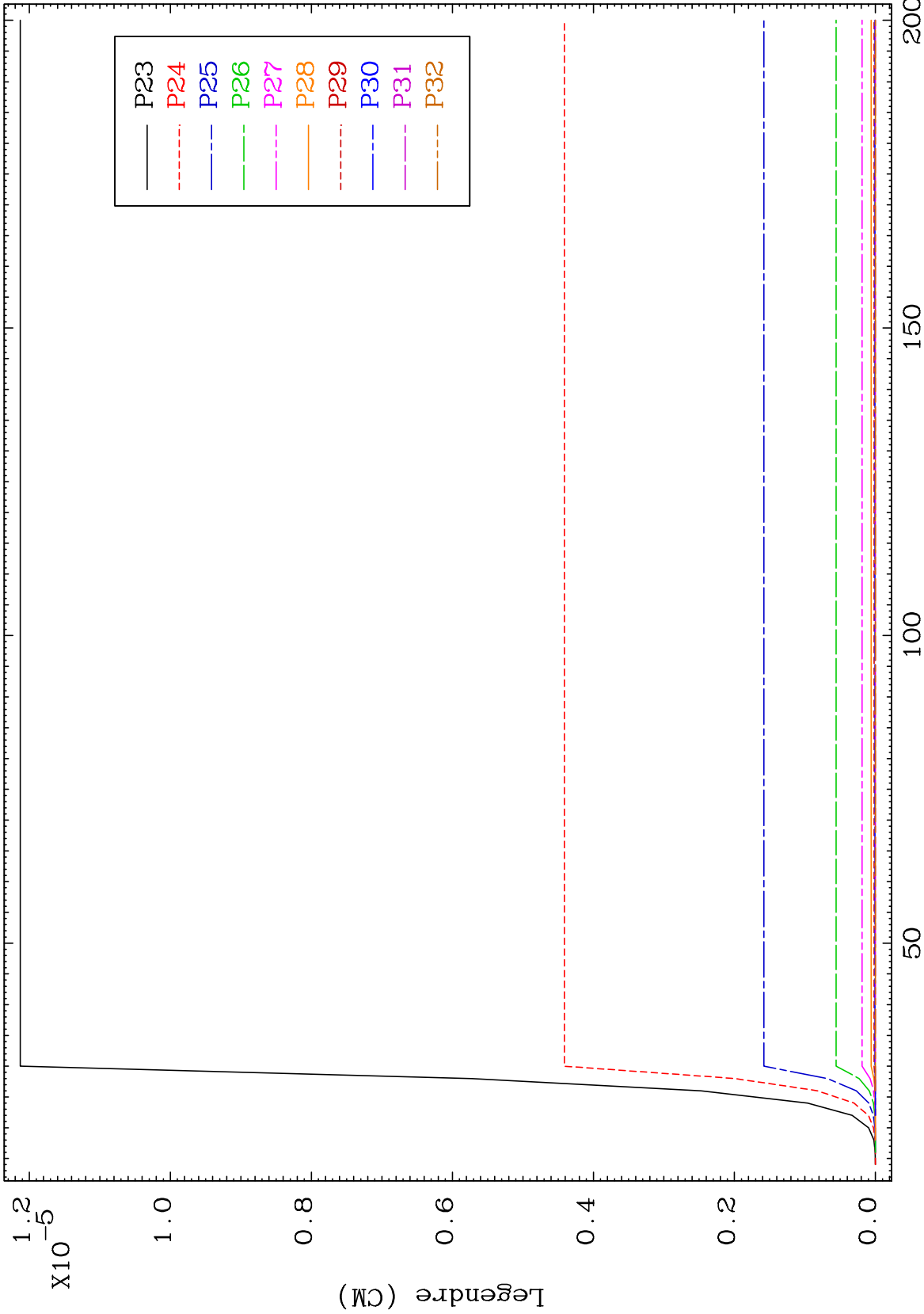
<sup>26</sup>Fe-53



MAT 2622

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

26-Fe-53



20

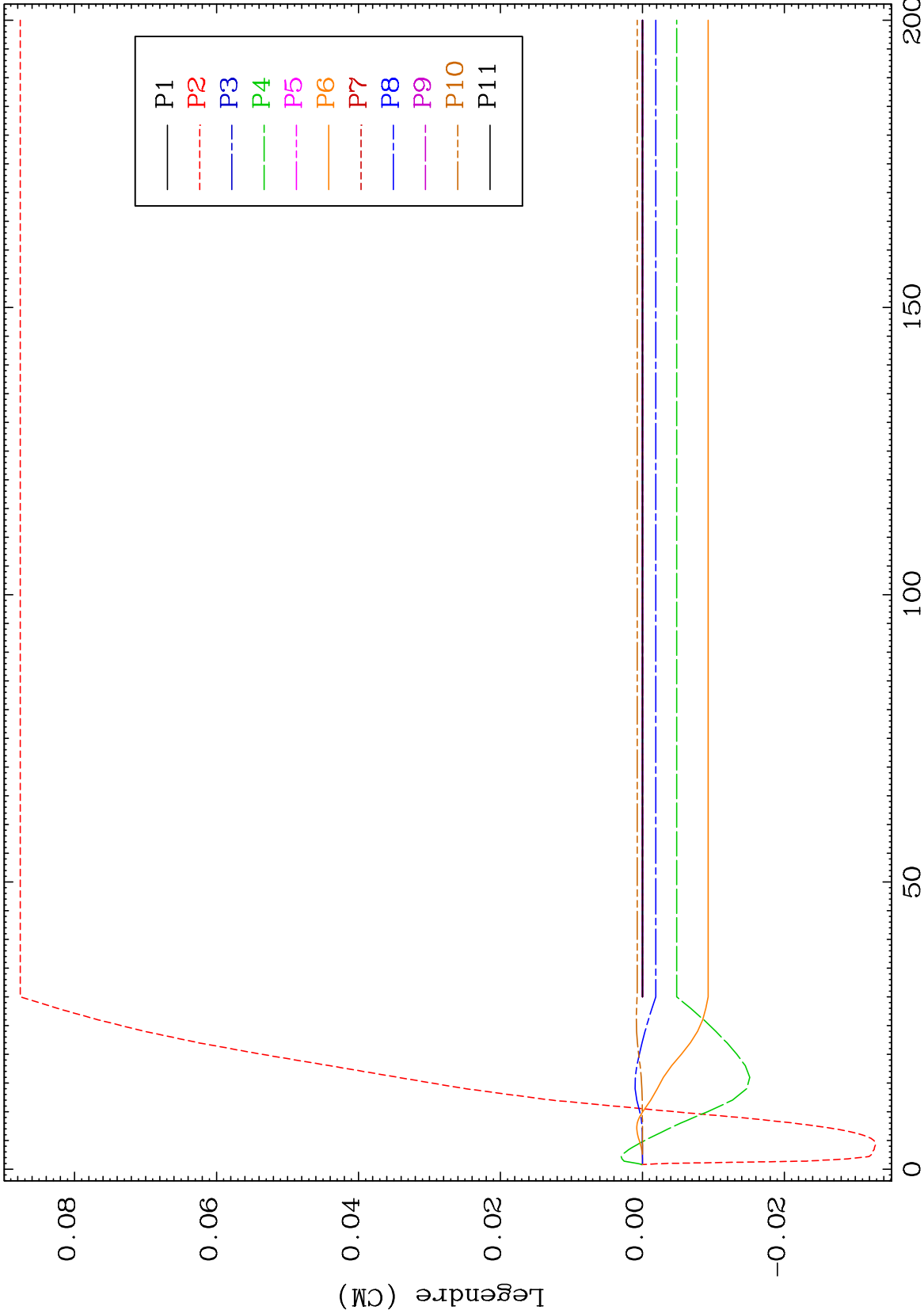
Incident Energy (MeV)

26-Fe-53

MAT 2622

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

26-Fe-53



21

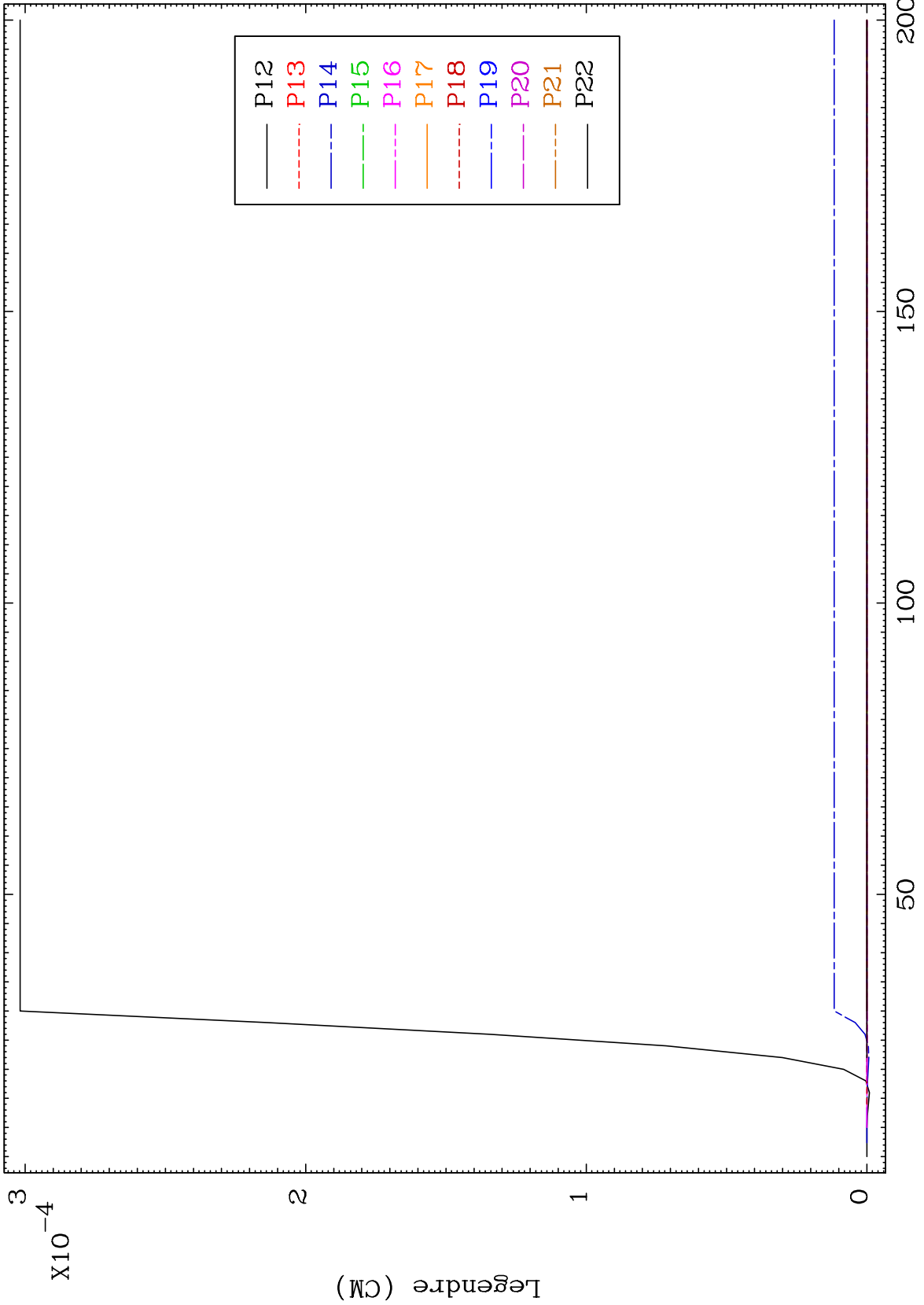
Incident Energy (MeV)

26-Fe-53

MAT 2622

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

26-Fe-53



22

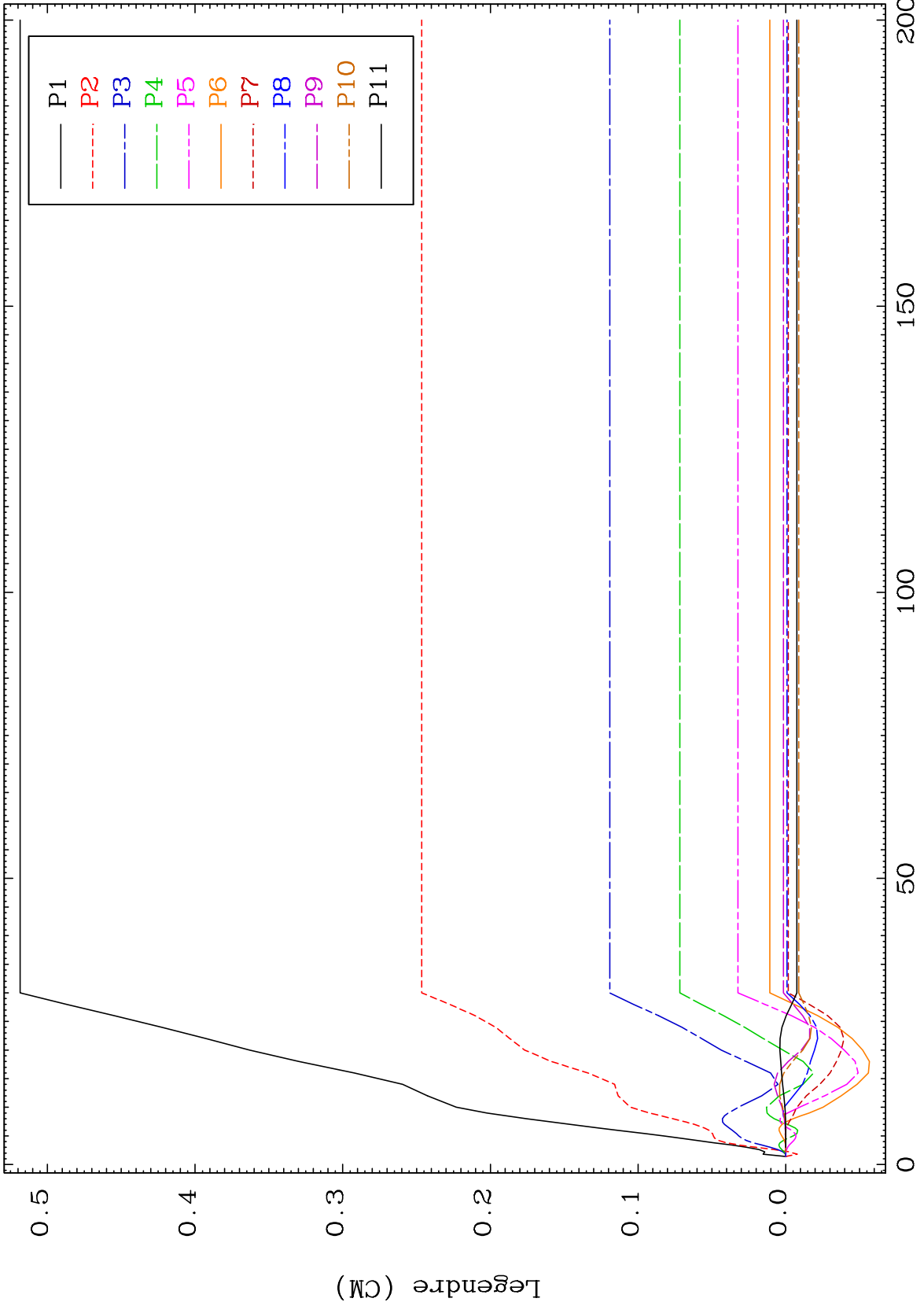
Incident Energy (MeV)

26-Fe-53

MAT 2622

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

26-Fe-53



23

Incident Energy (MeV)

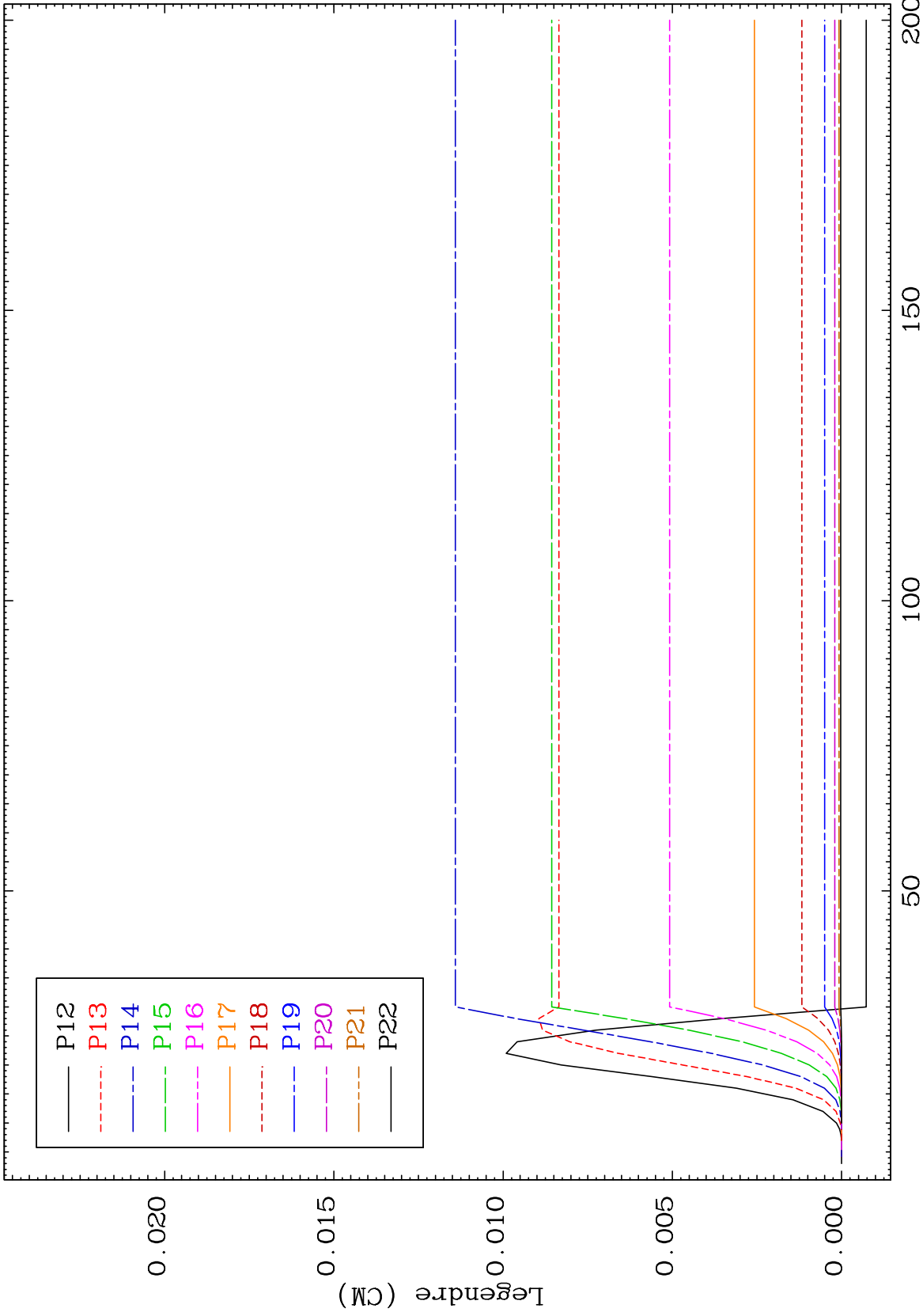
26-Fe-53



MAT 2622

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

<sup>26</sup>Fe-53



24

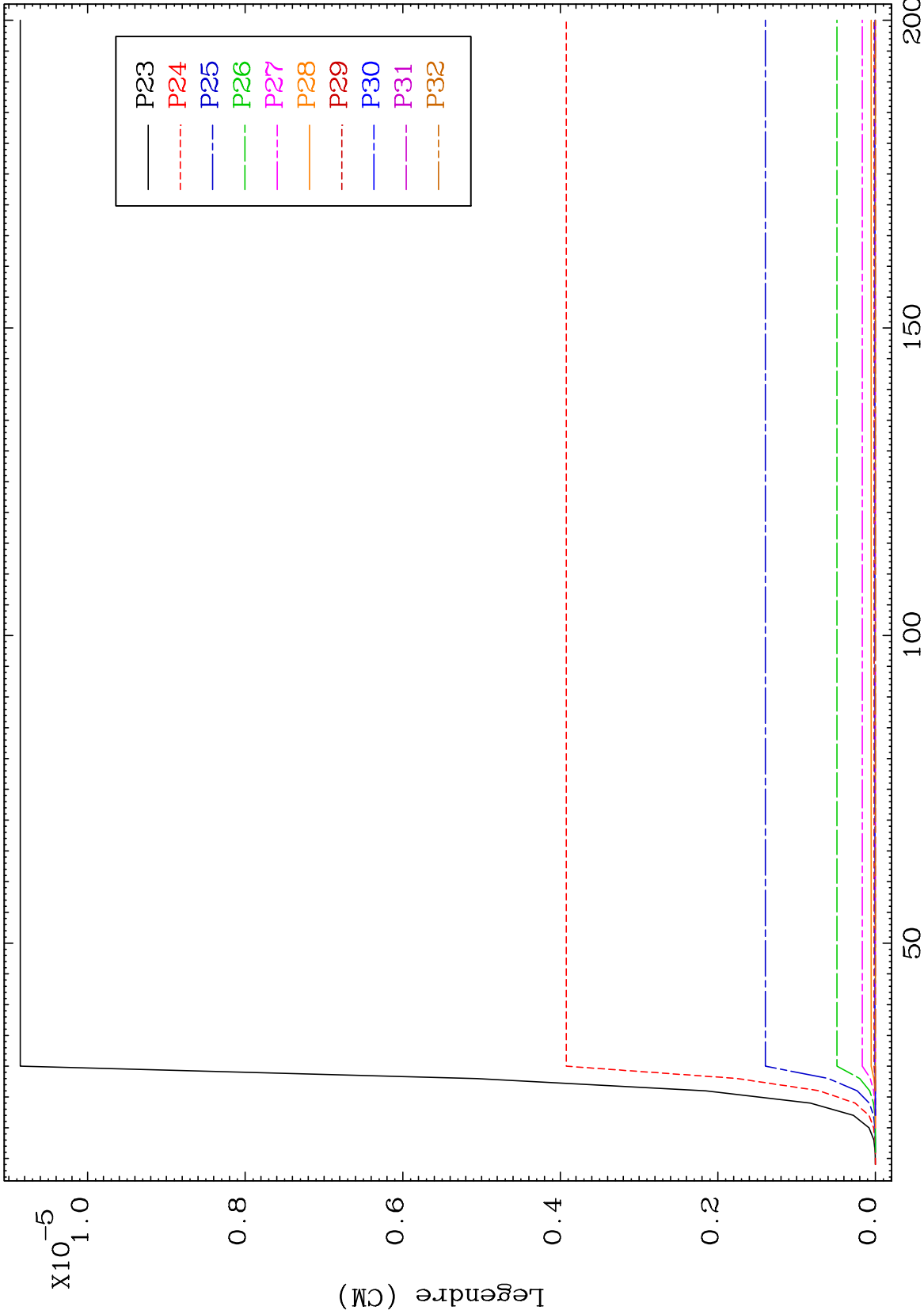
Incident Energy (MeV)

<sup>26</sup>Fe-53

MAT 2622

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

26-Fe-53

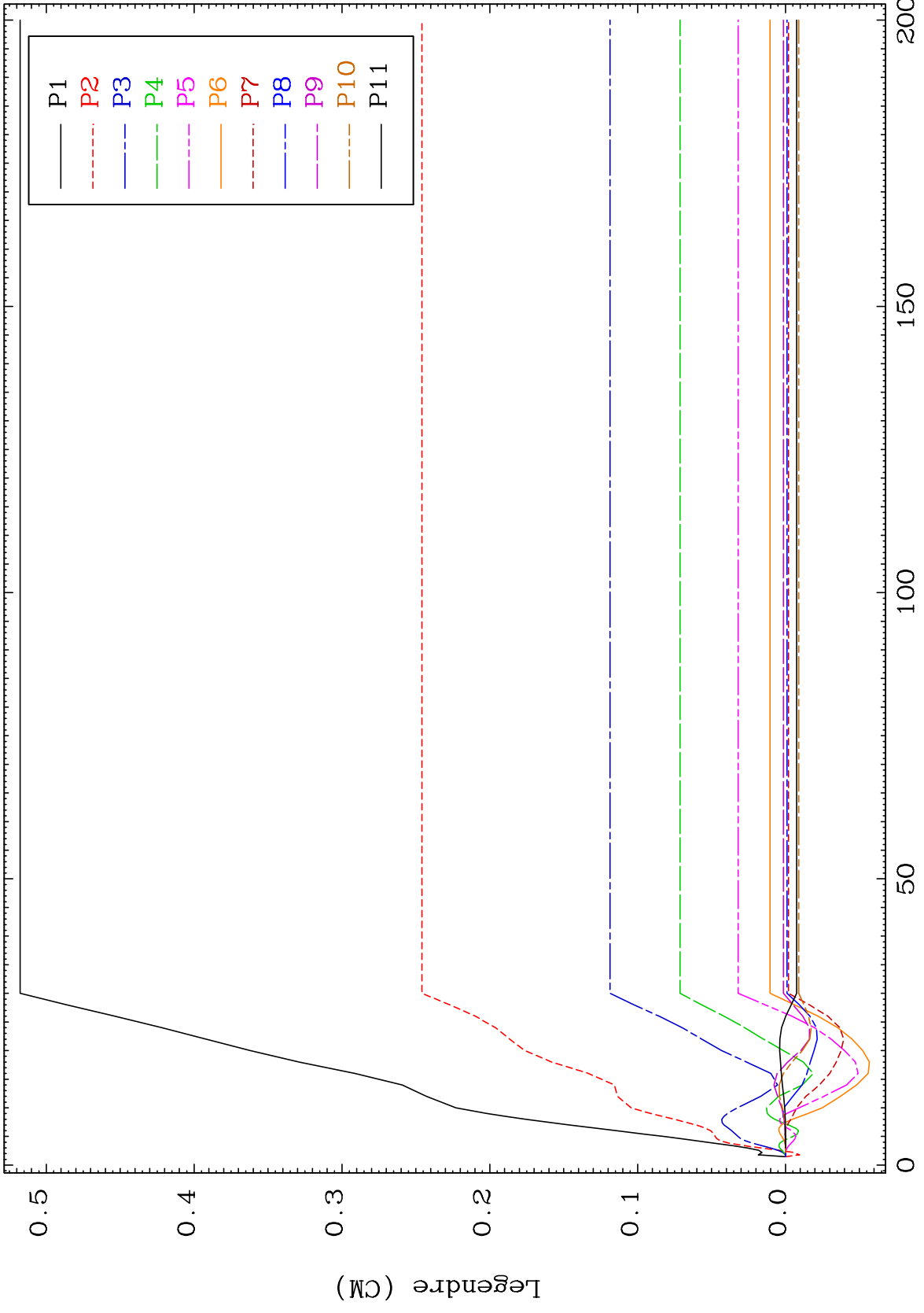


25

Incident Energy (MeV)

26-Fe-53

MAT 2622 MT= 54 (n,n') Level Legendre Coefficients 26-Fe-53

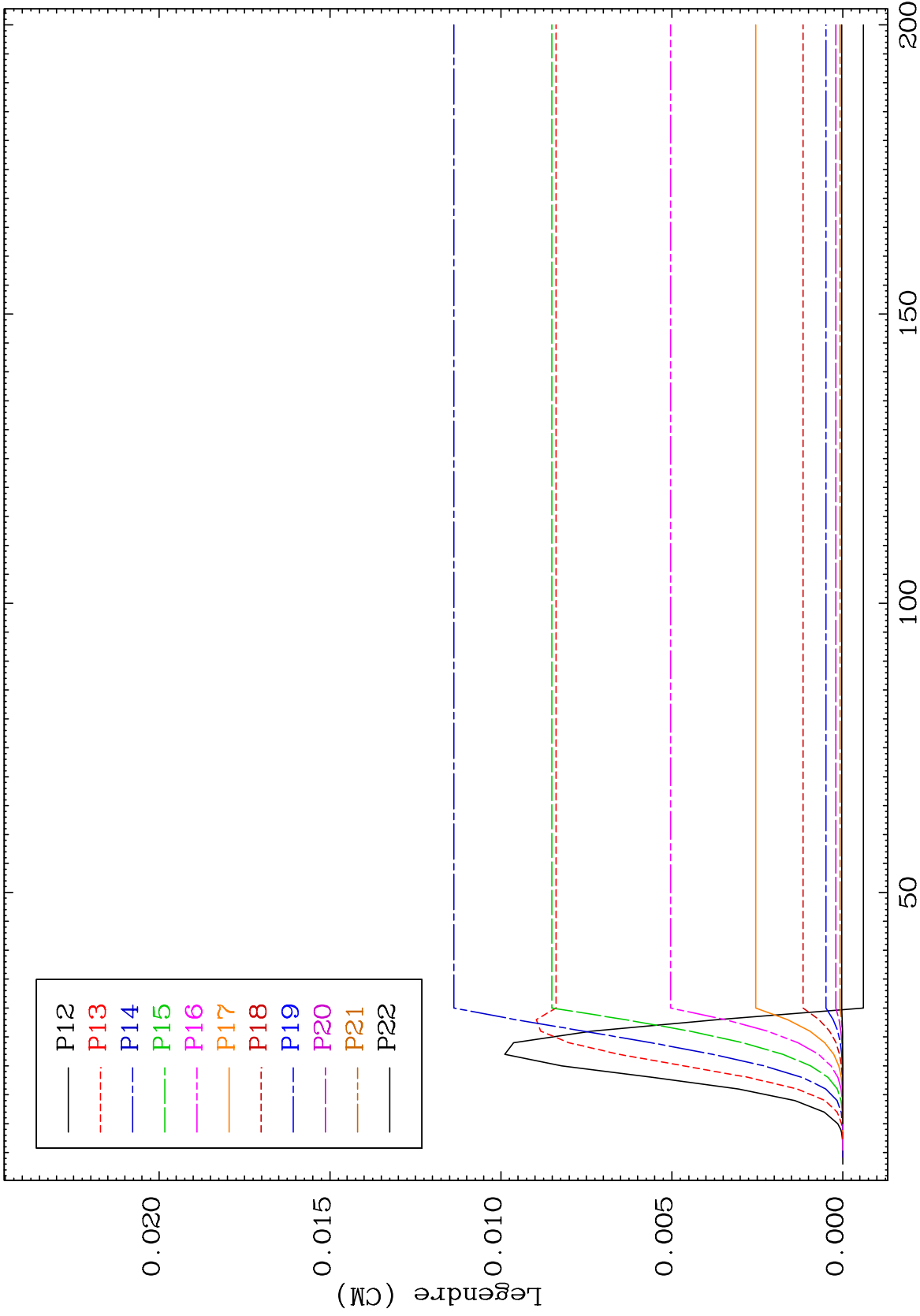


26 Incident Energy (MeV) 26-Fe-53

MAT 2622

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

26-Fe-53

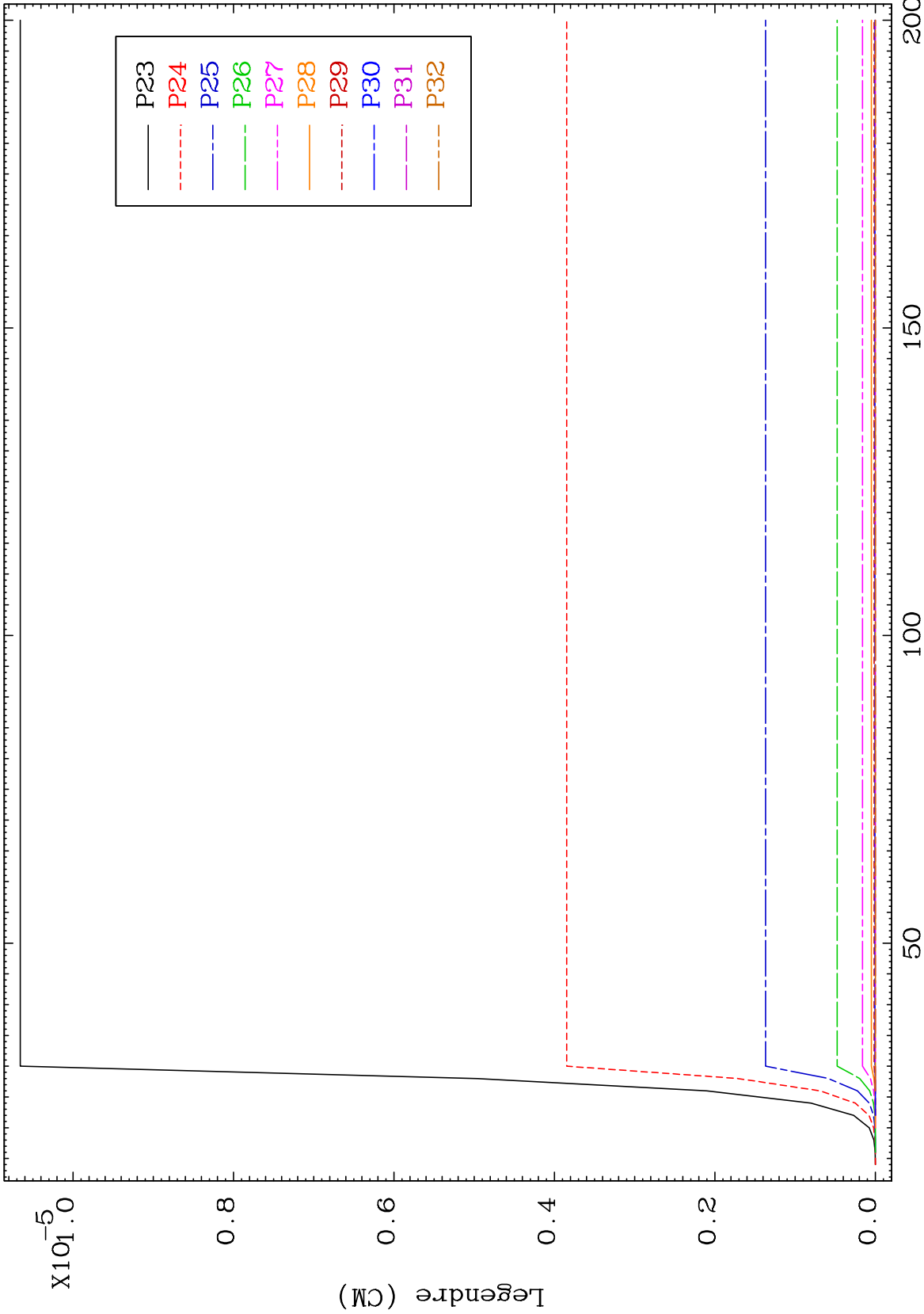


27

MAT 2622

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

26-Fe-53



28

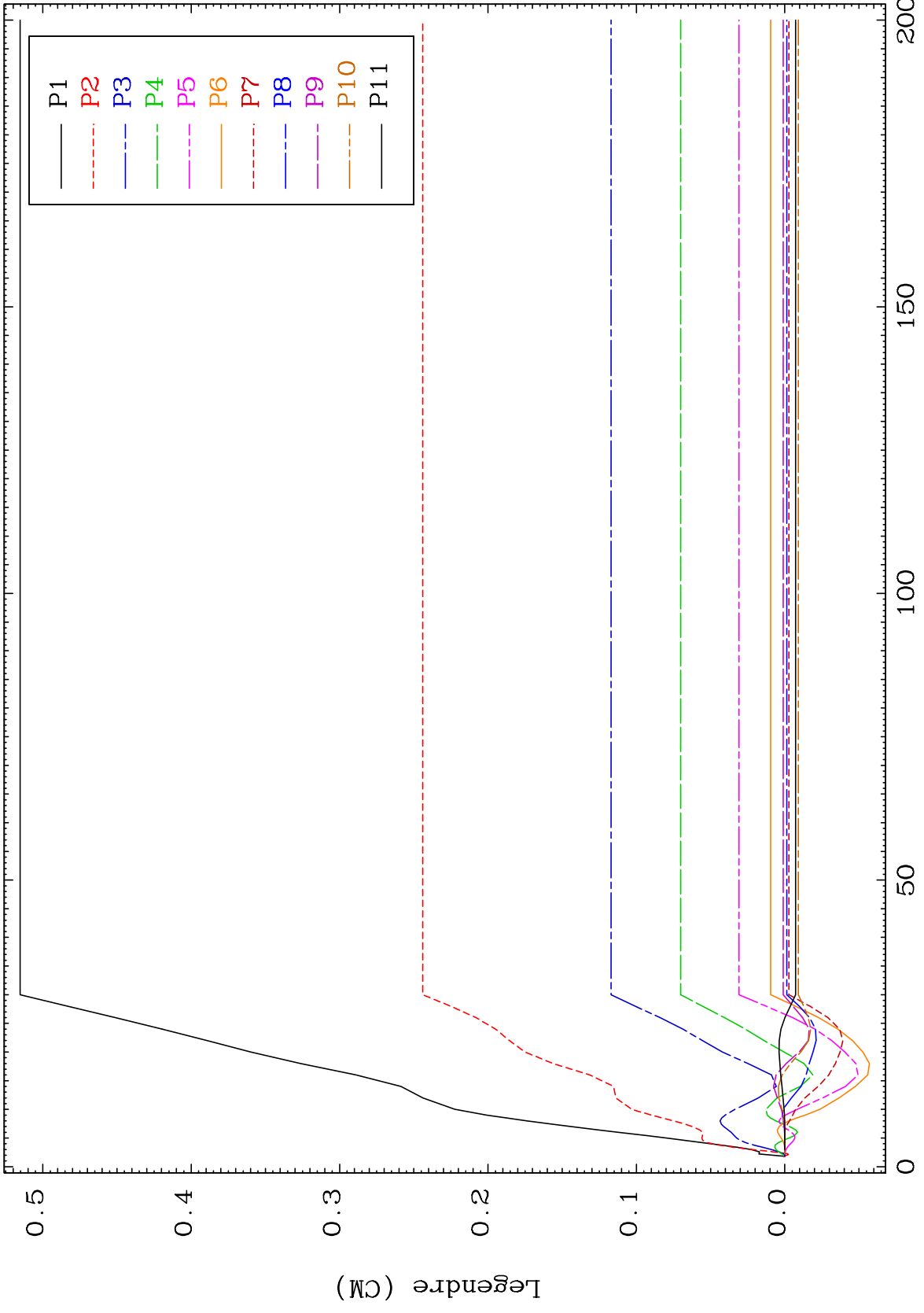
Incident Energy (MeV)

26-Fe-53

MAT 2622

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

26-Fe-53



29

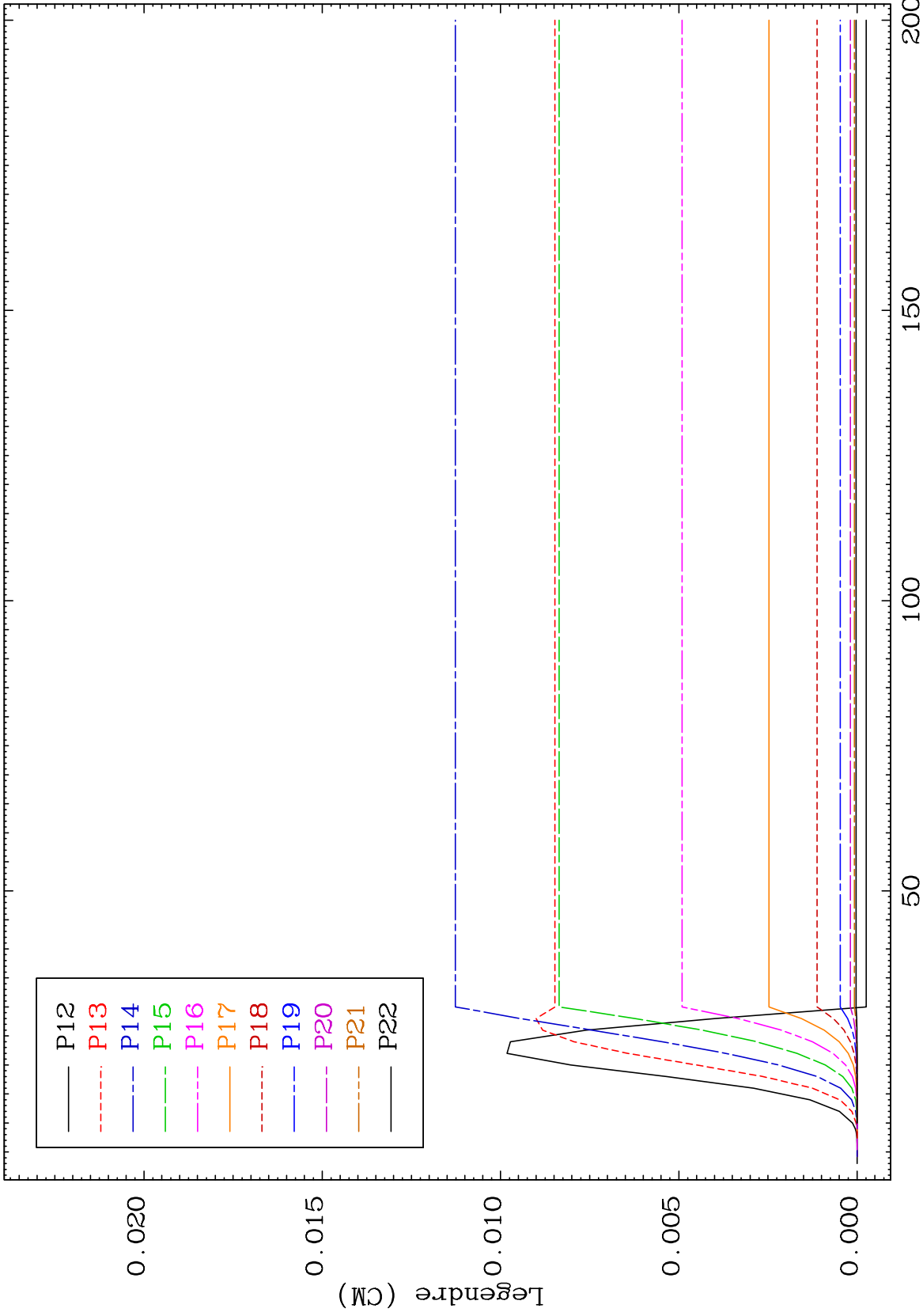
Incident Energy (MeV)

26-Fe-53

MAT 2622

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

<sup>26</sup>Fe-53



30

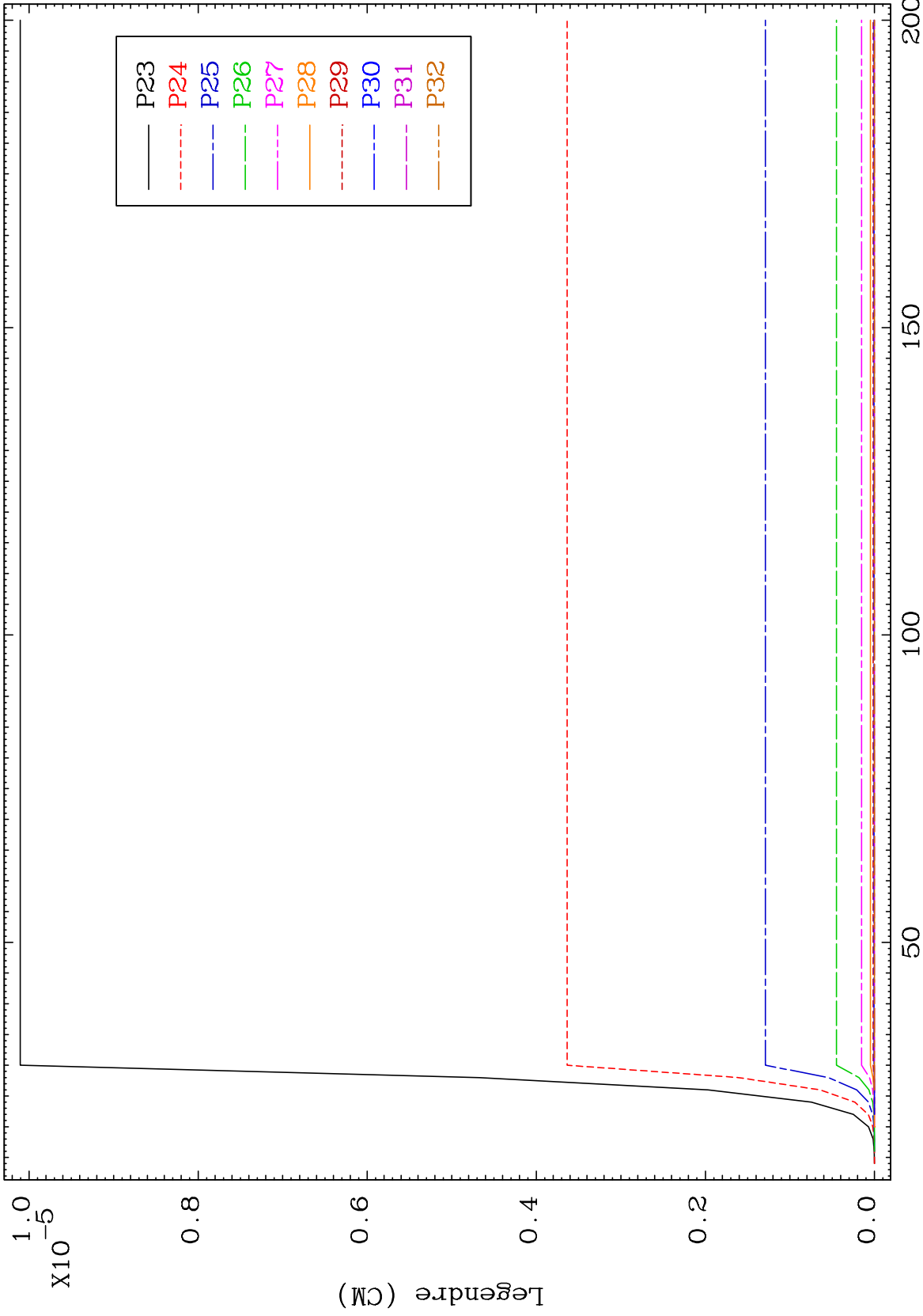
Incident Energy (MeV)

<sup>26</sup>Fe-53

MAT 2622

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

26-Fe-53



31

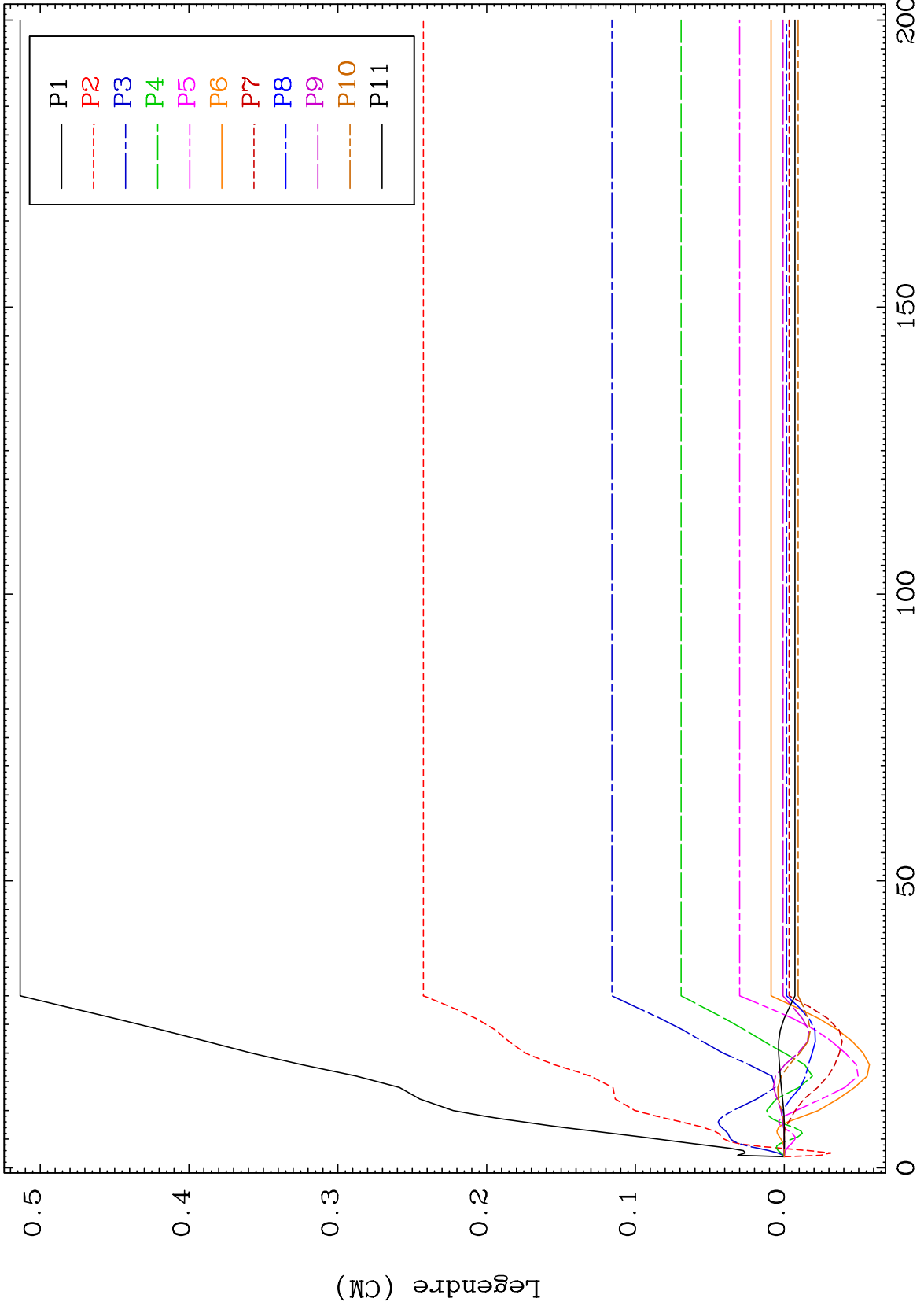
26-Fe-53



MAT 2622

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

26-Fe-53



32

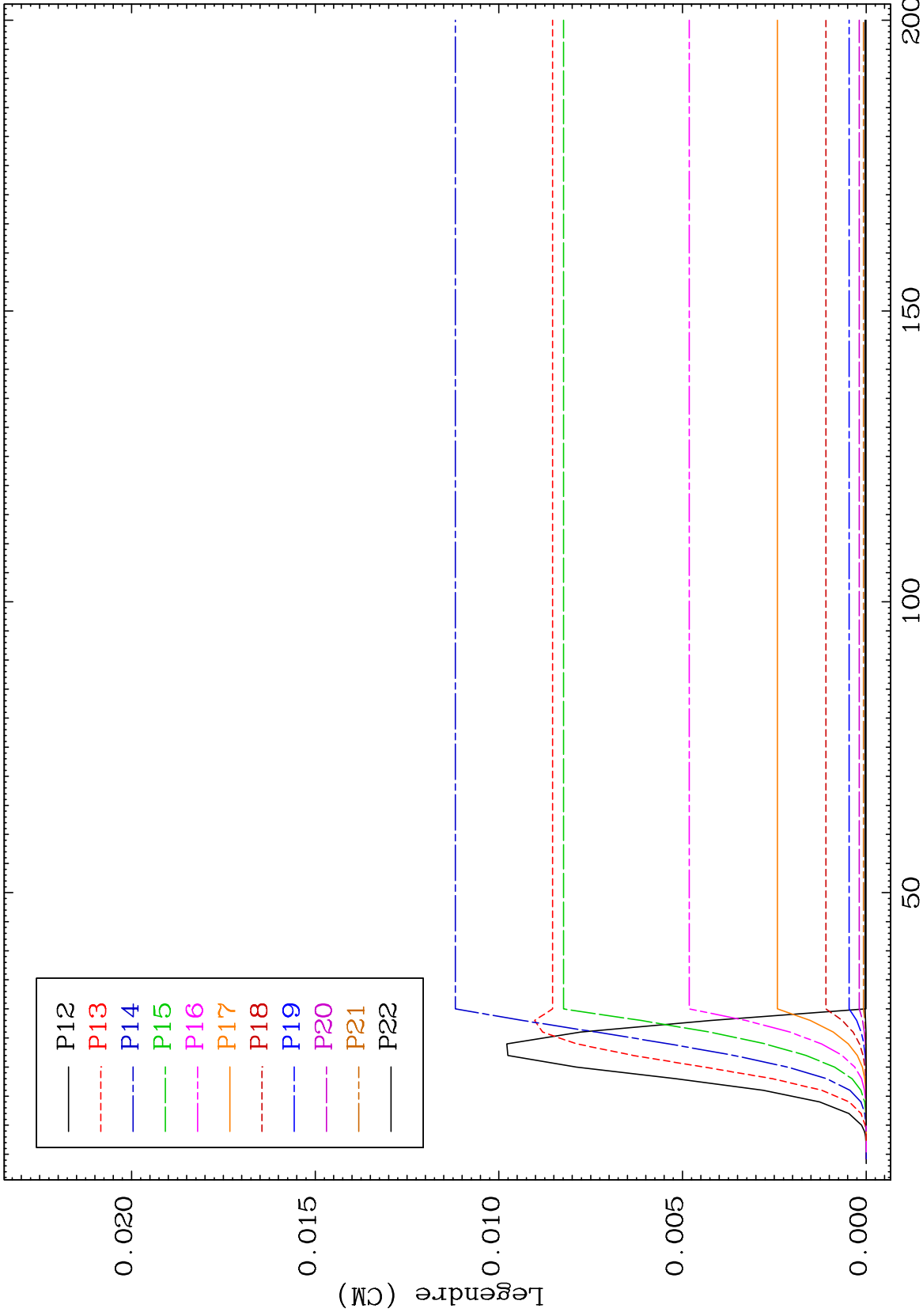
Incident Energy (MeV)

26-Fe-53

MAT 2622

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

<sup>26</sup>Fe-53



33

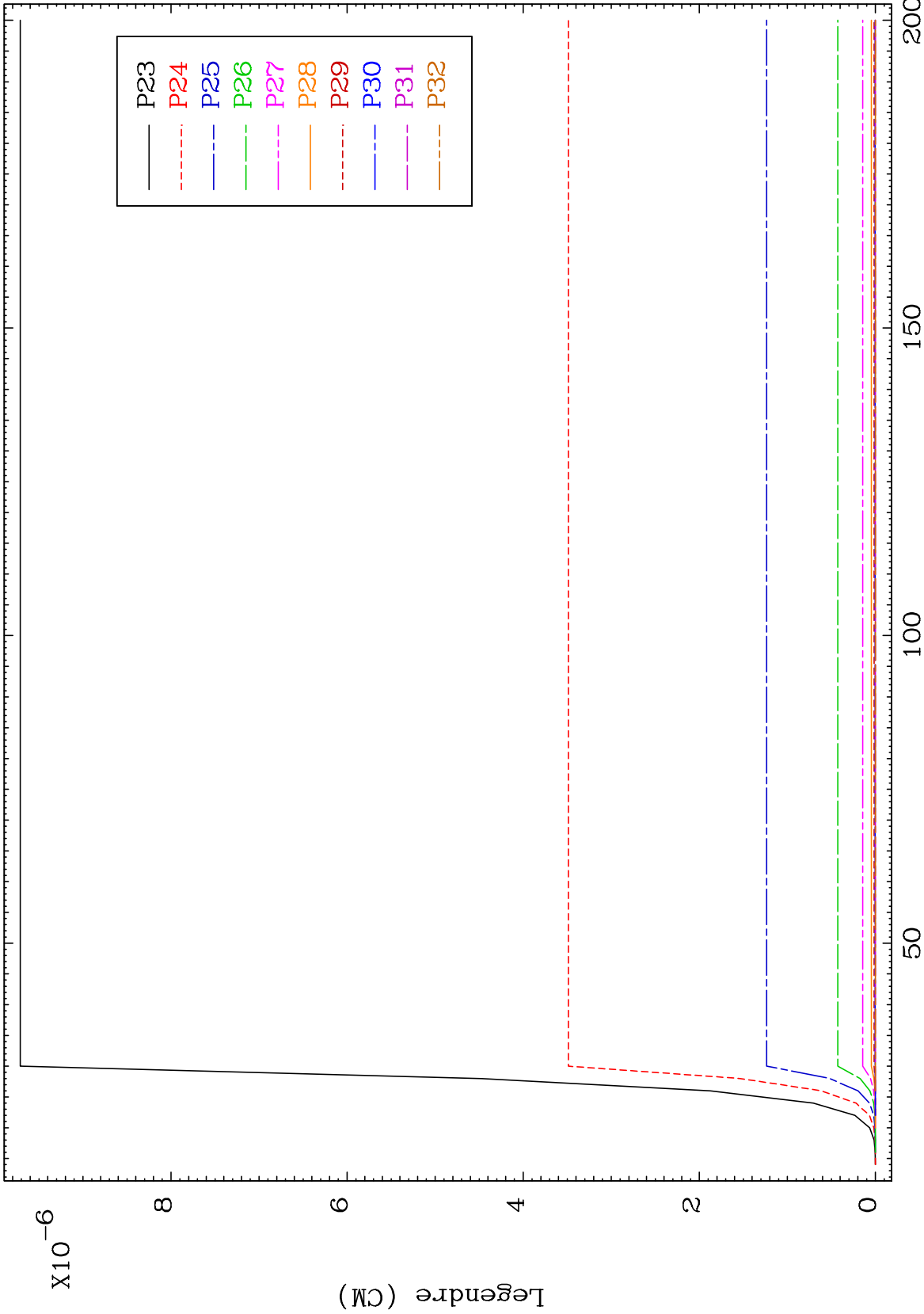
Incident Energy (MeV)

<sup>26</sup>Fe-53

MAT 2622

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

26-Fe-53



34

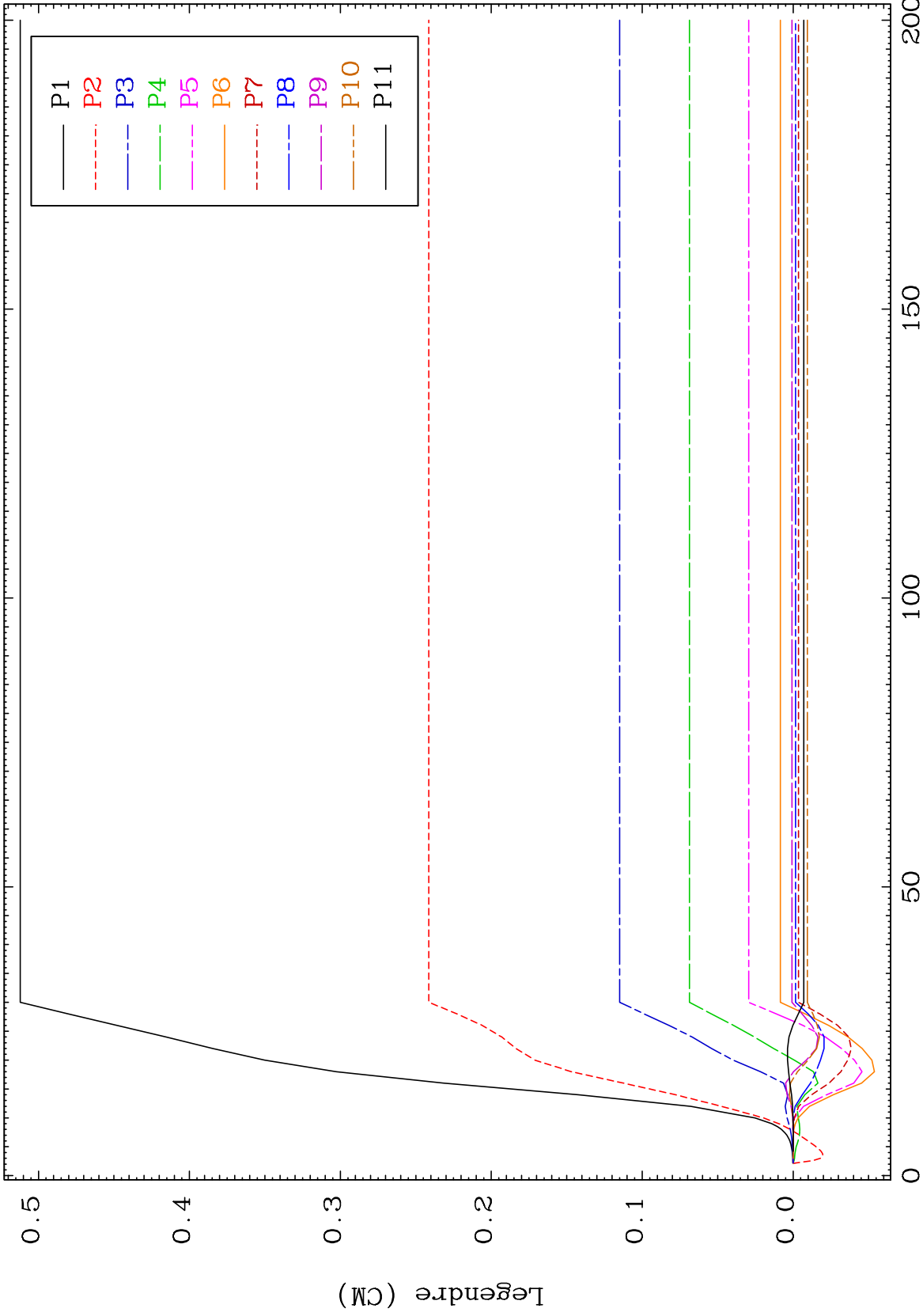
Incident Energy (MeV)

26-Fe-53

MAT 2622

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

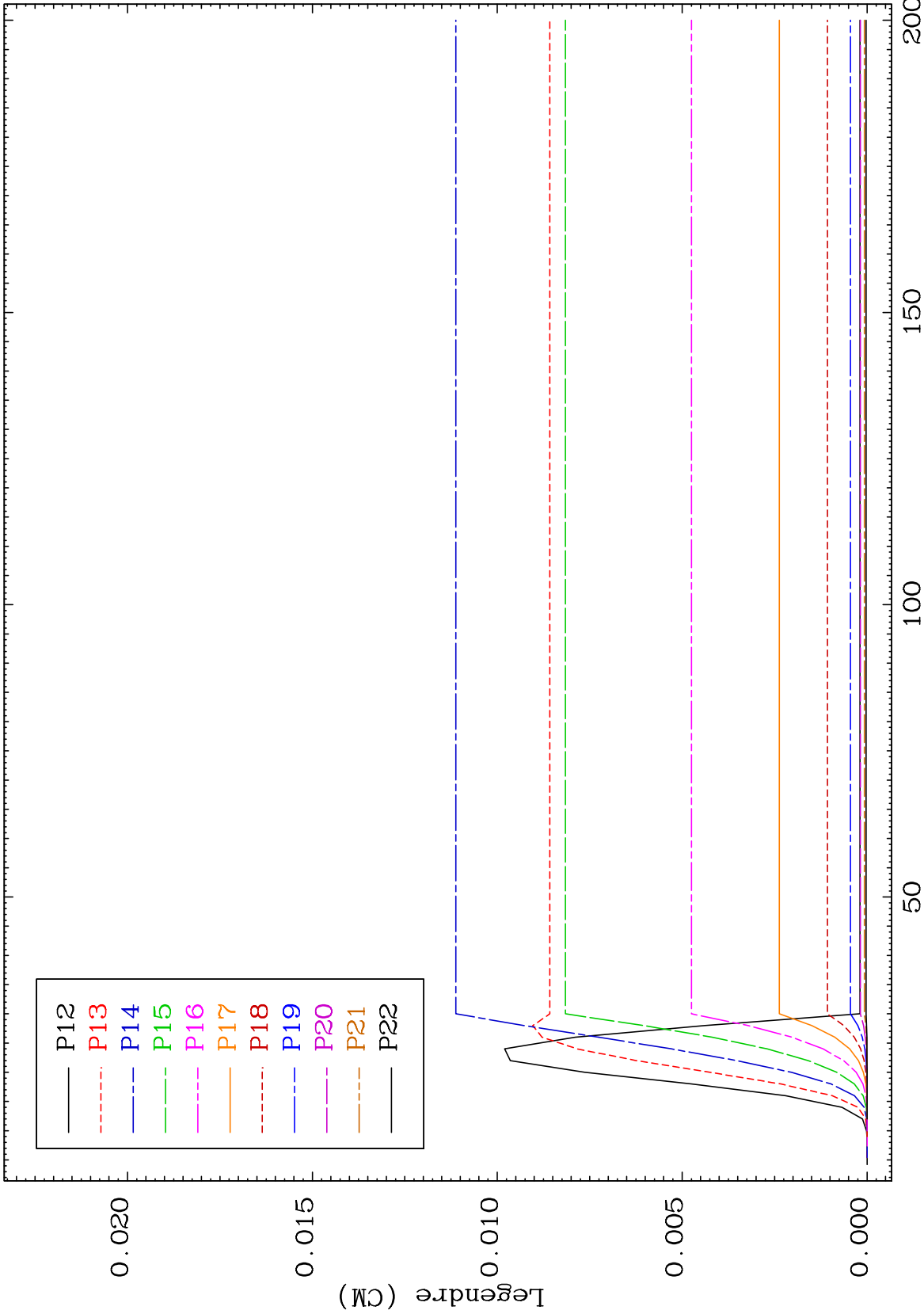
26-Fe-53



35

Incident Energy (MeV)

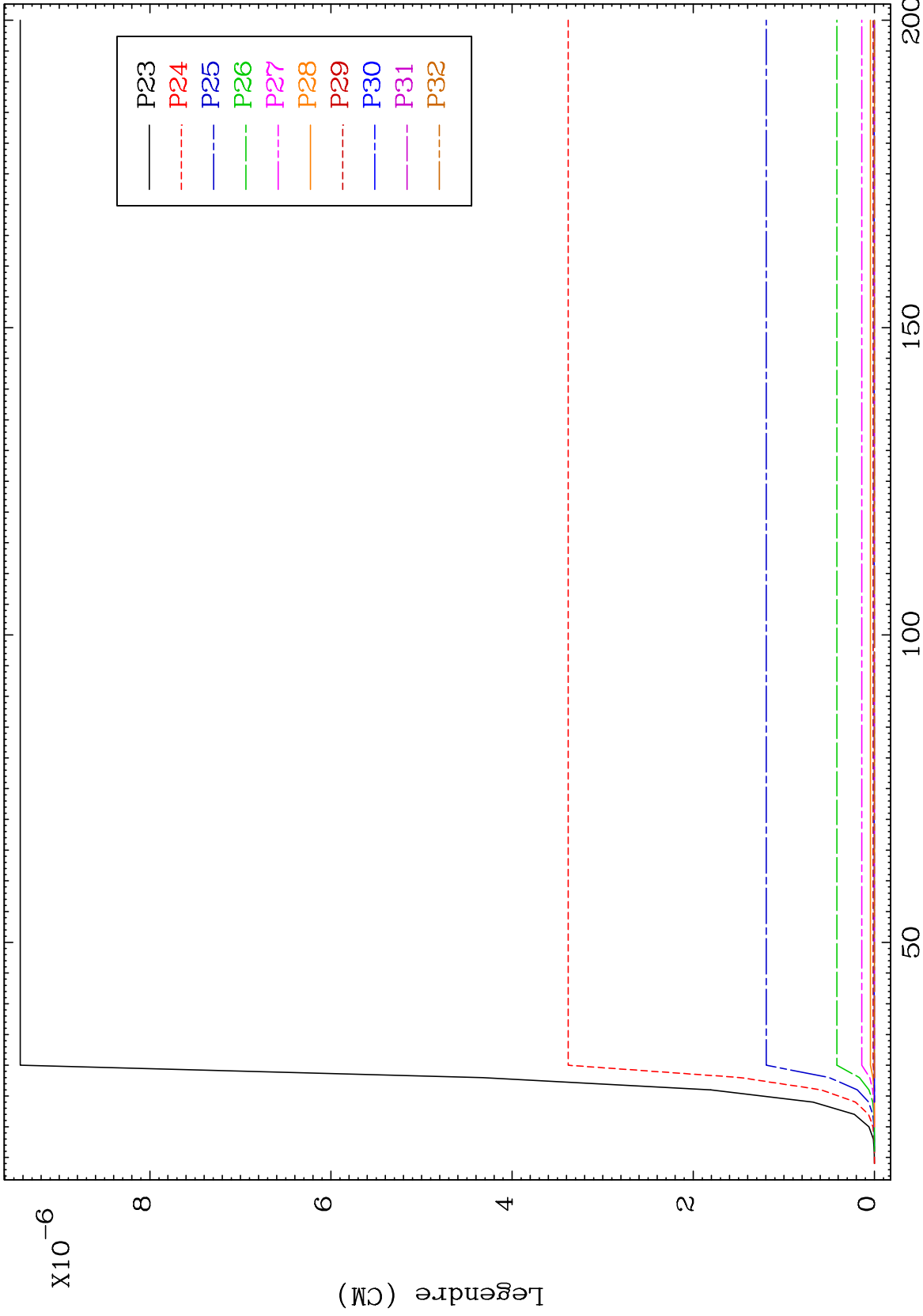
26-Fe-53



MAT 2622

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

26-Fe-53



37

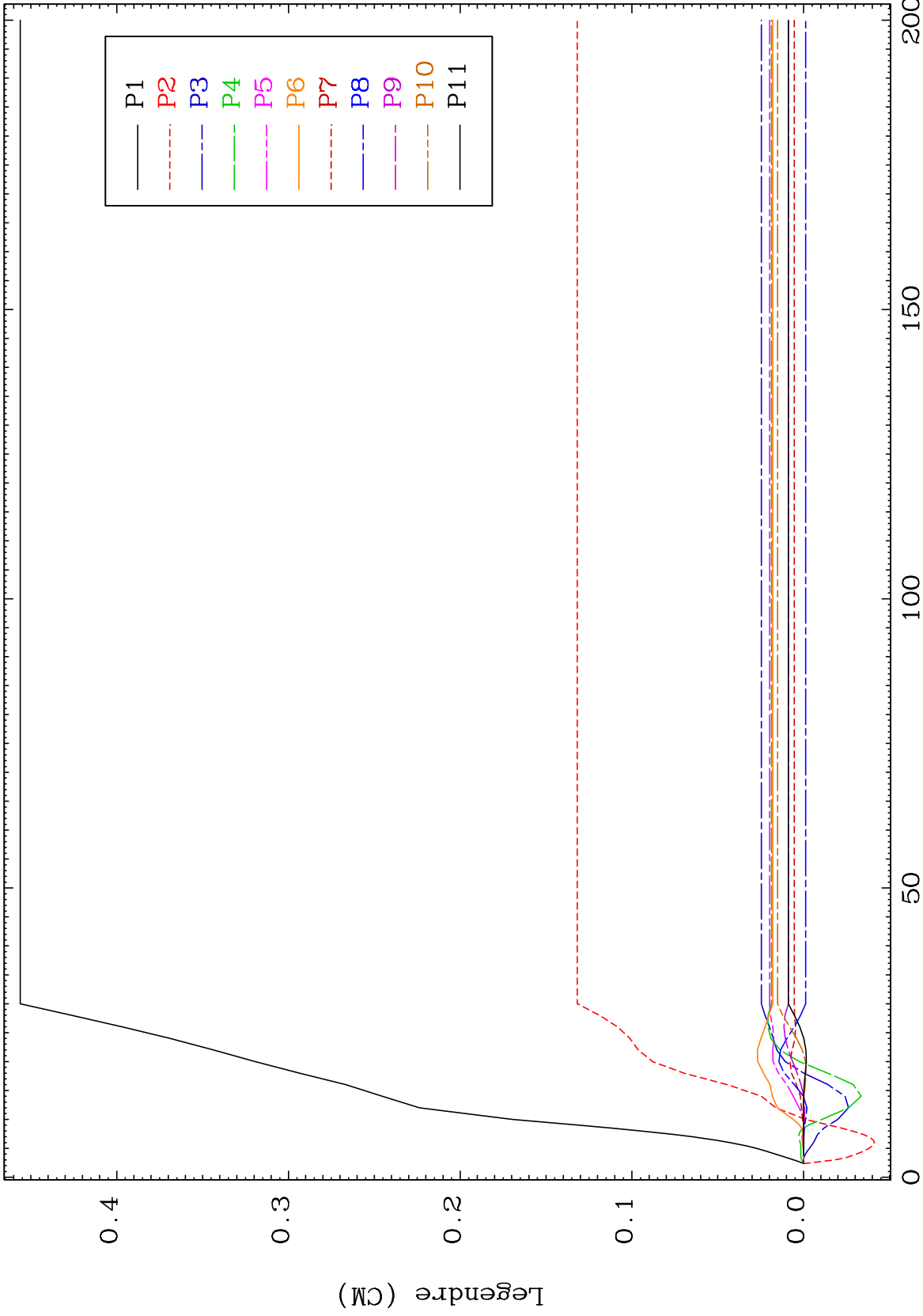
Incident Energy (MeV)

26-Fe-53

MAT 2622

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

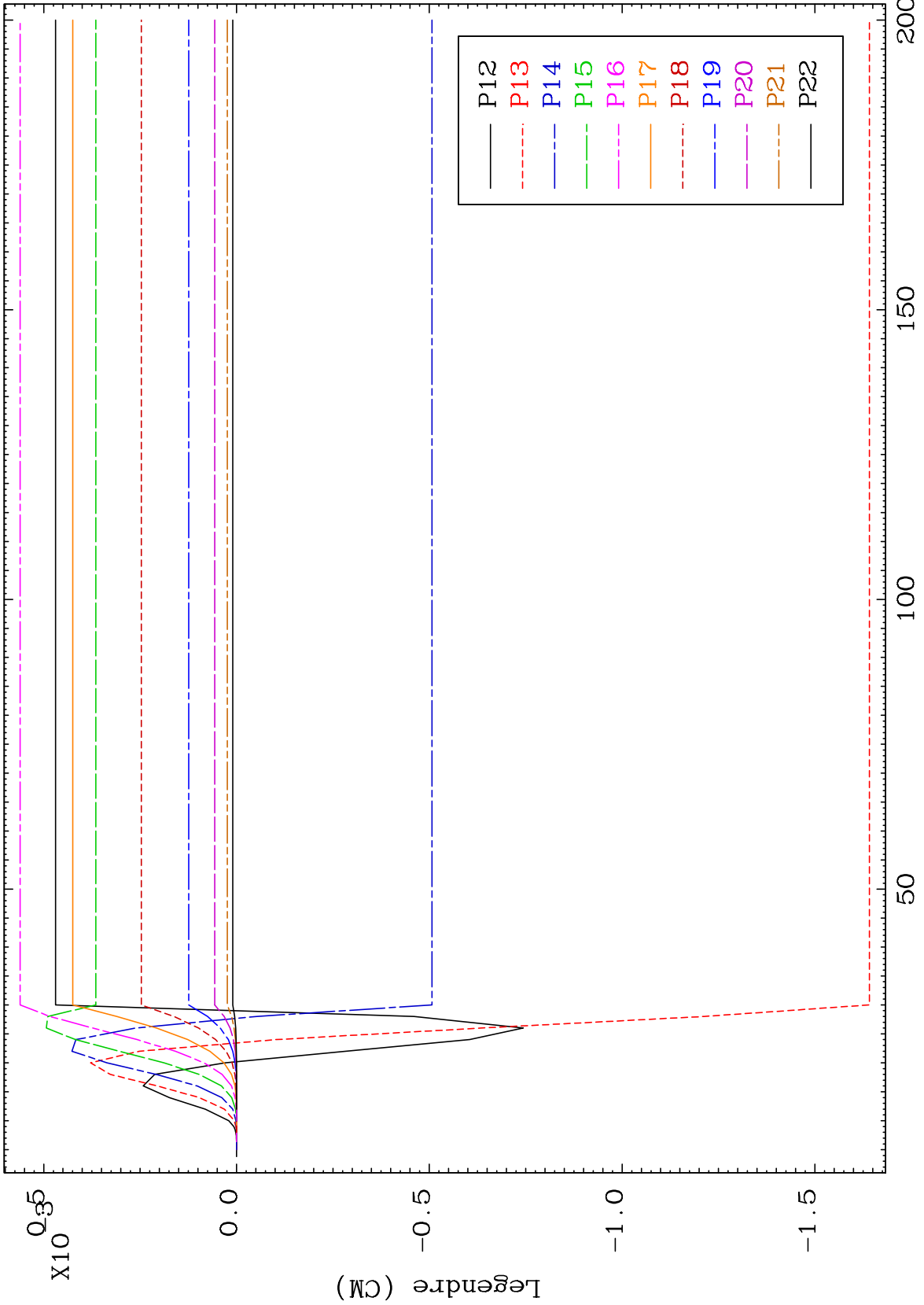
26-Fe-53



38

Incident Energy (MeV)

26-Fe-53

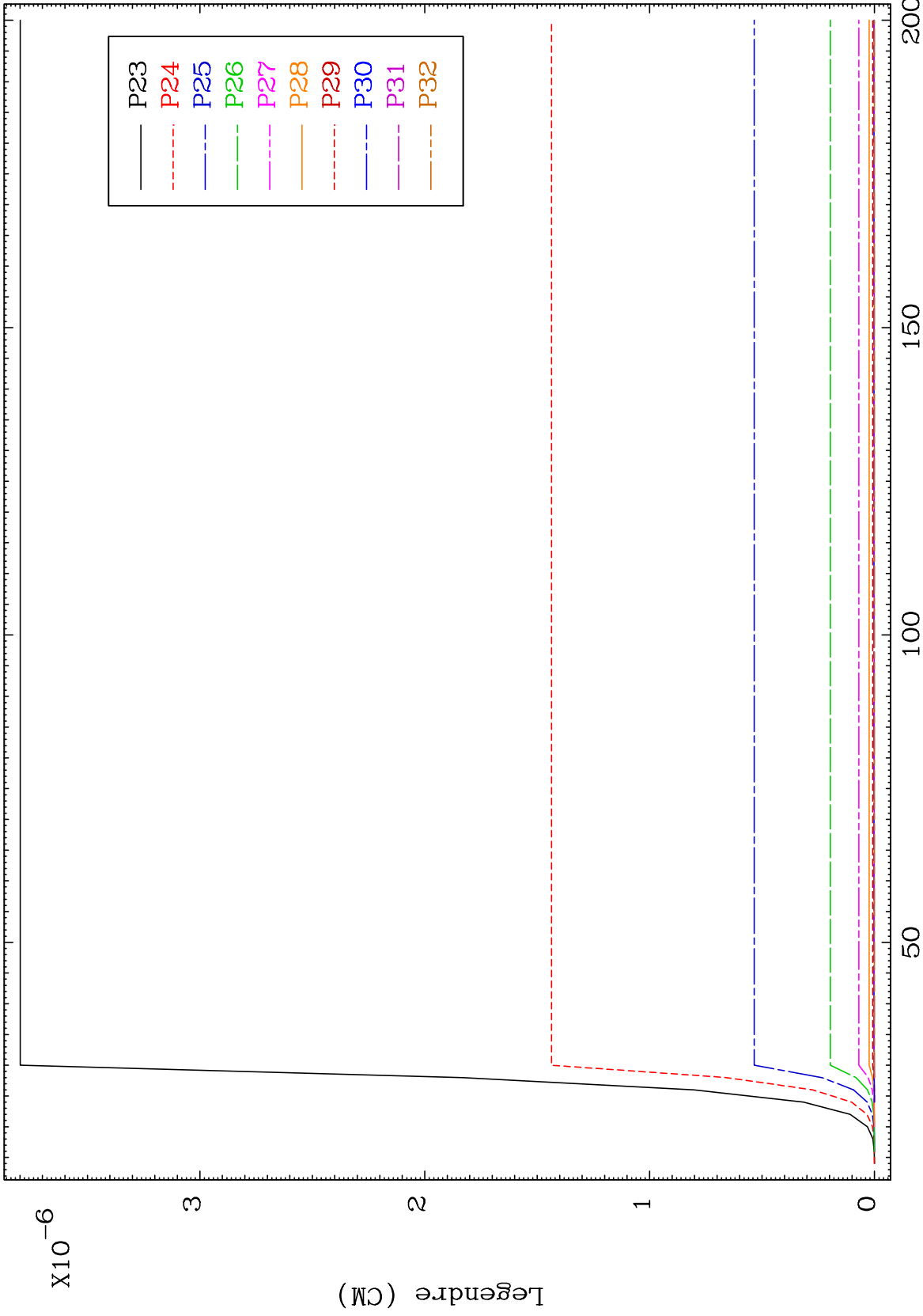




MAT 2622

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

26-Fe-53



40

50

100

150

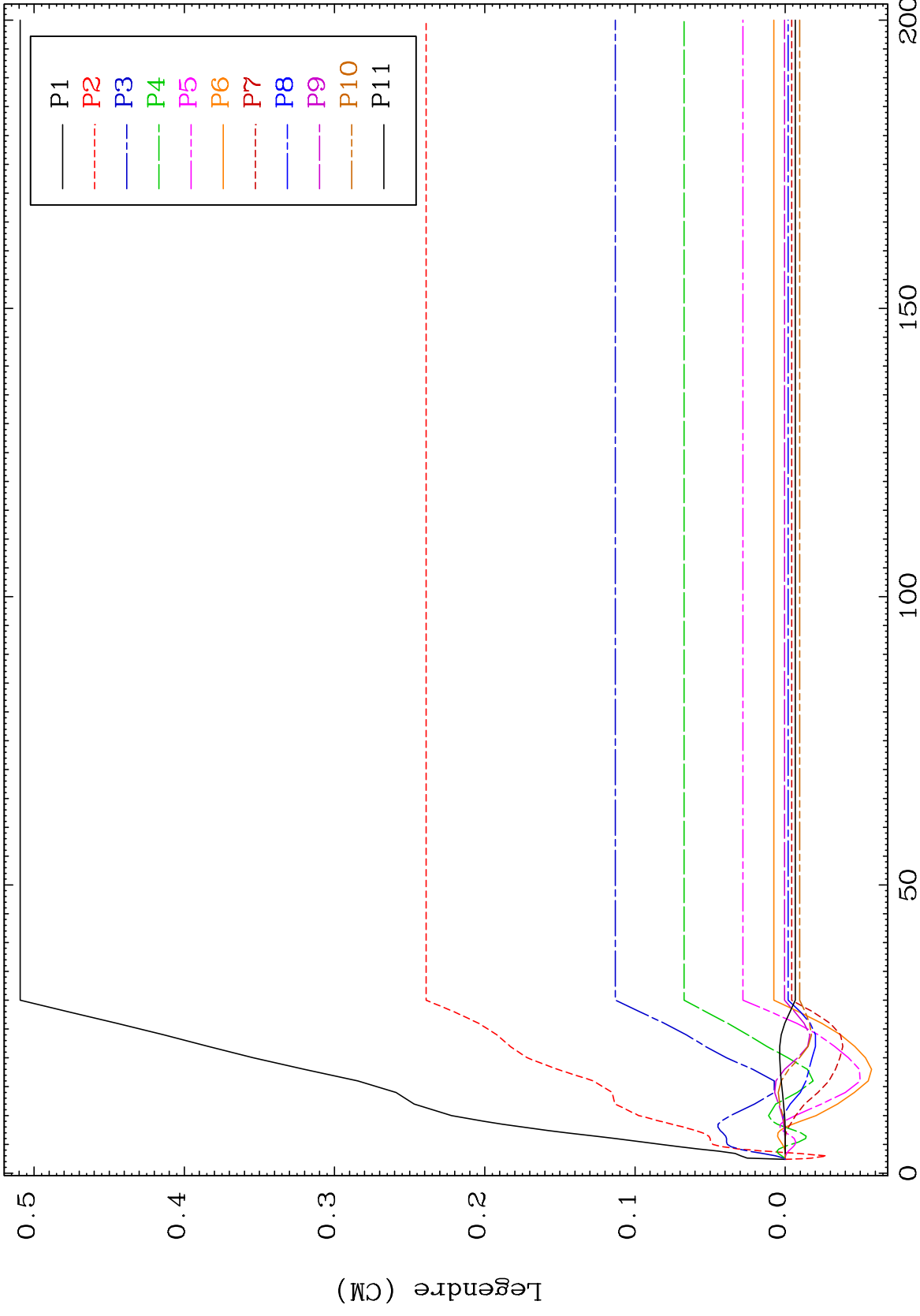
200

26-Fe-53

MAT 2622

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

26-Fe-53



41

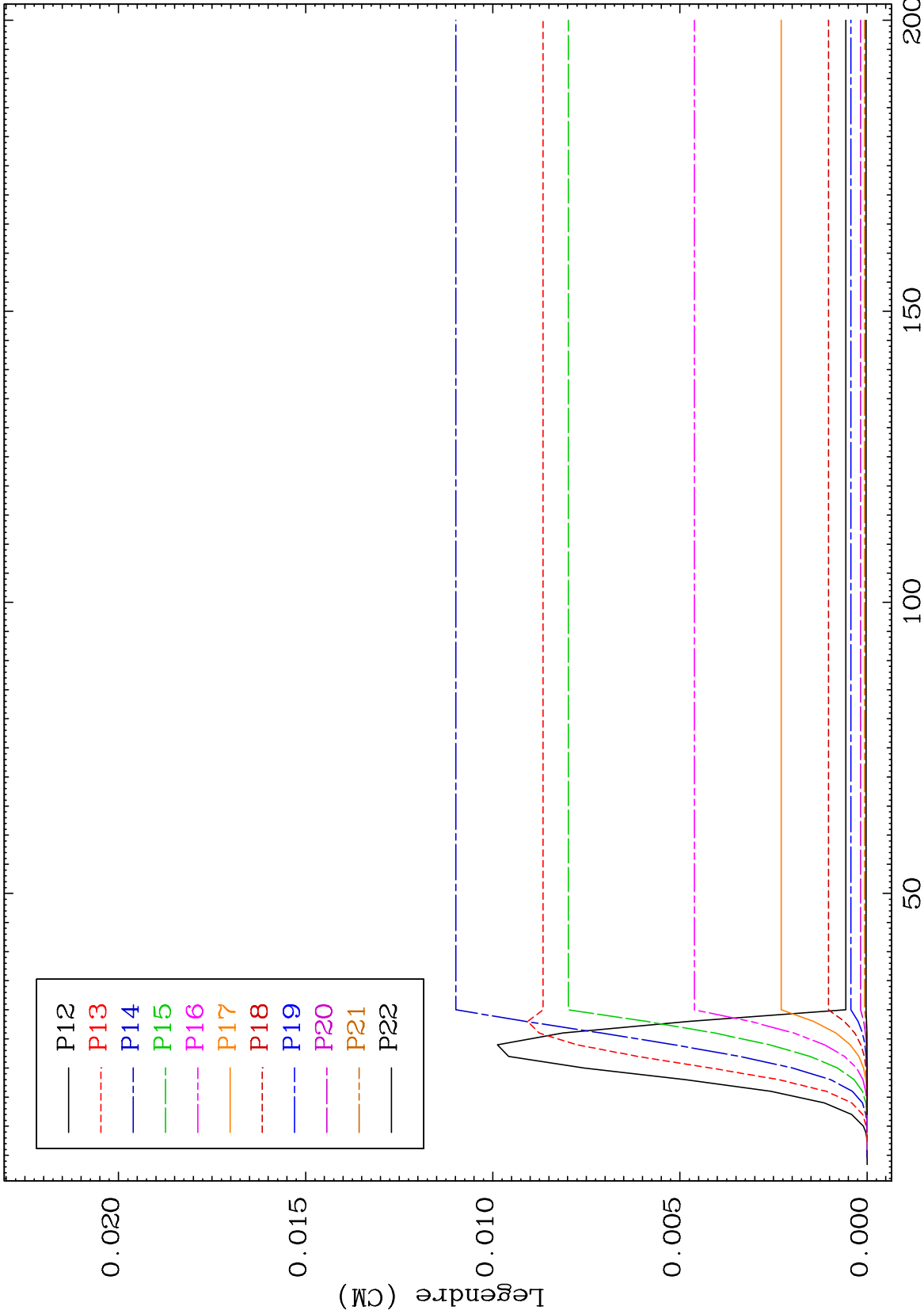
Incident Energy (MeV)

26-Fe-53

MAT 2622

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

<sup>26</sup>Fe-53



42

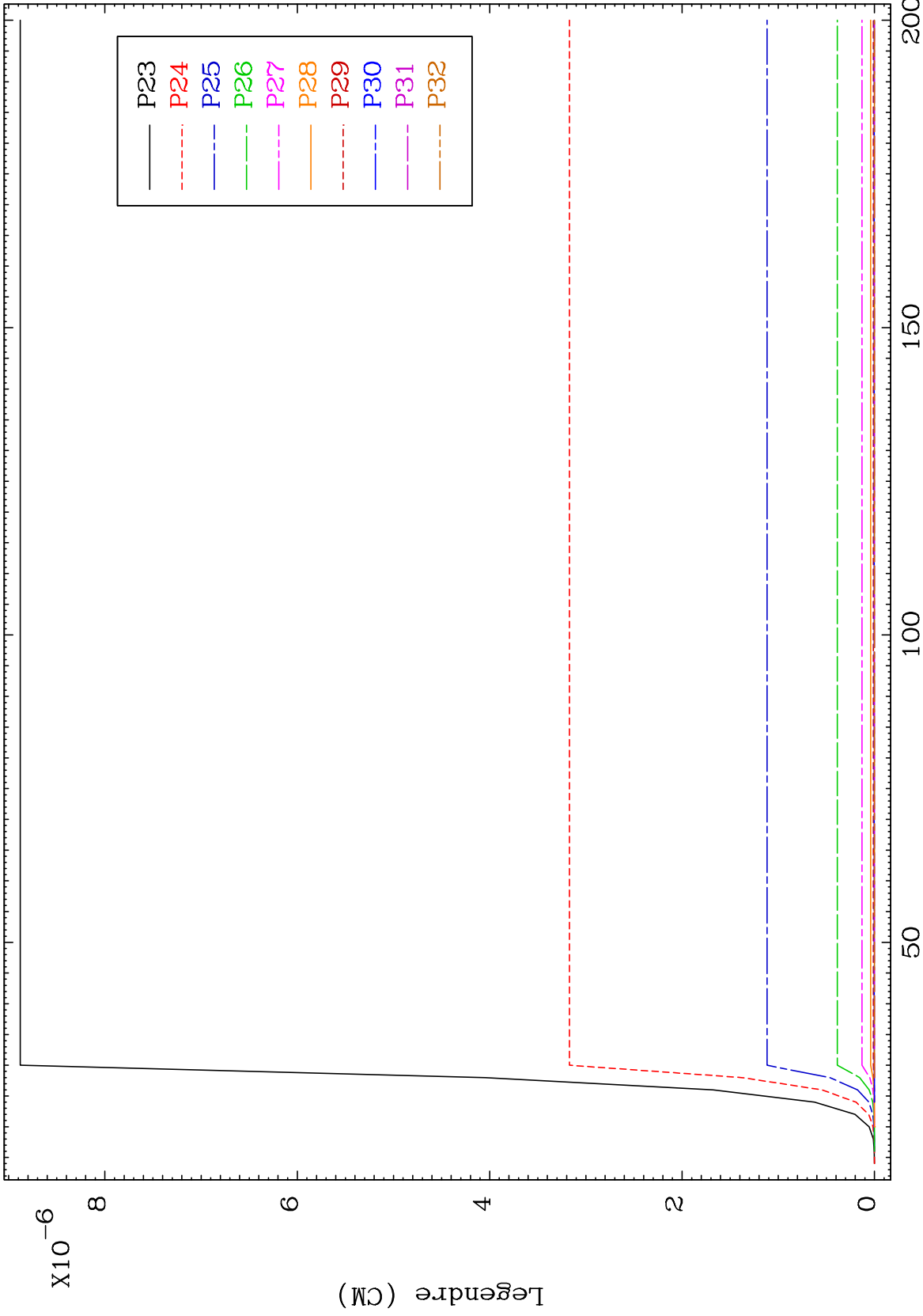
Incident Energy (MeV)

<sup>26</sup>Fe-53

MAT 2622

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

26-Fe-53



43

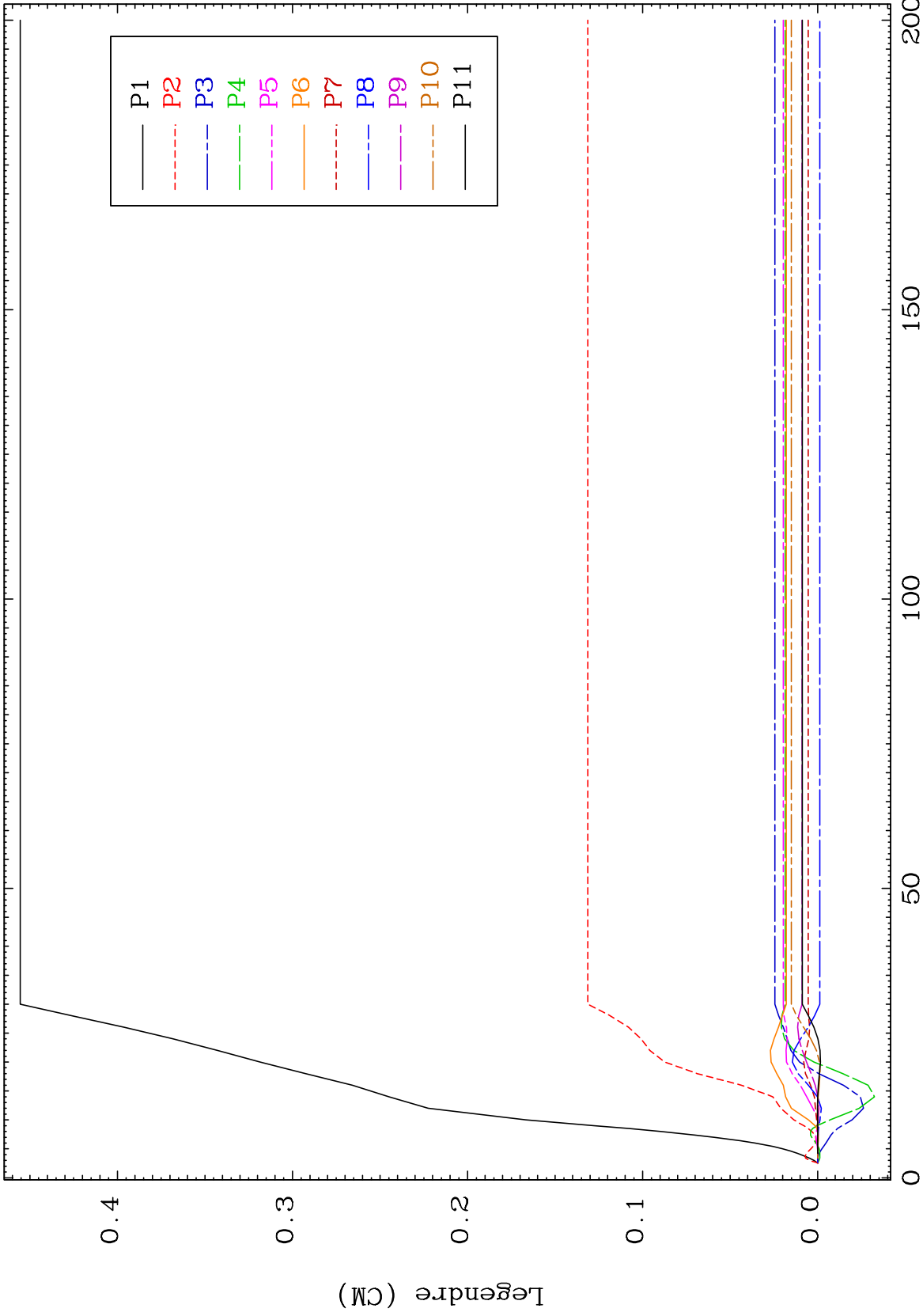
Incident Energy (MeV)

26-Fe-53

MAT 2622

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

26-Fe-53

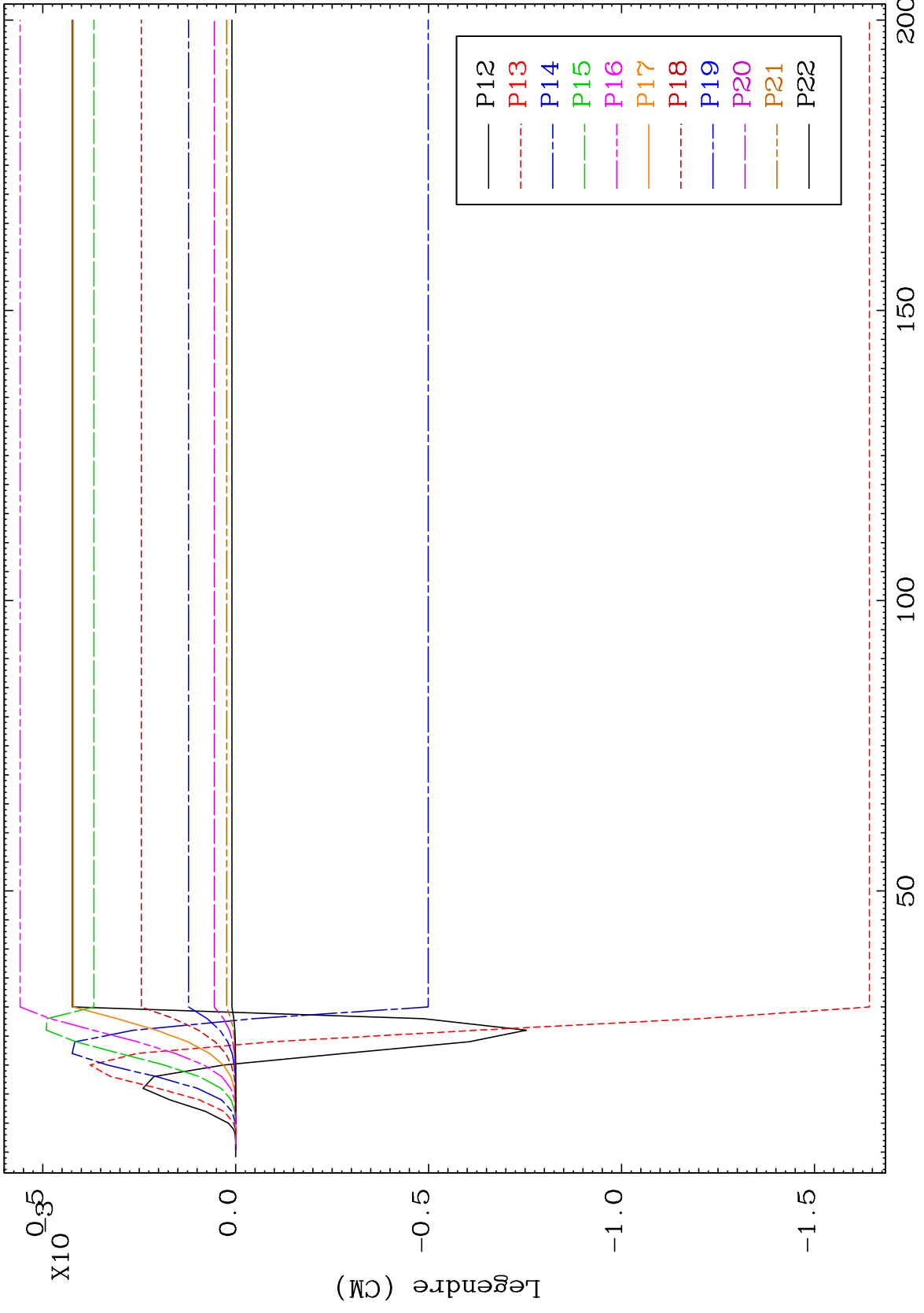


44

Incident Energy (MeV)

26-Fe-53

MAT 2622 MT= 60 (n,n') Level Legendre Coefficients 26-Fe-53

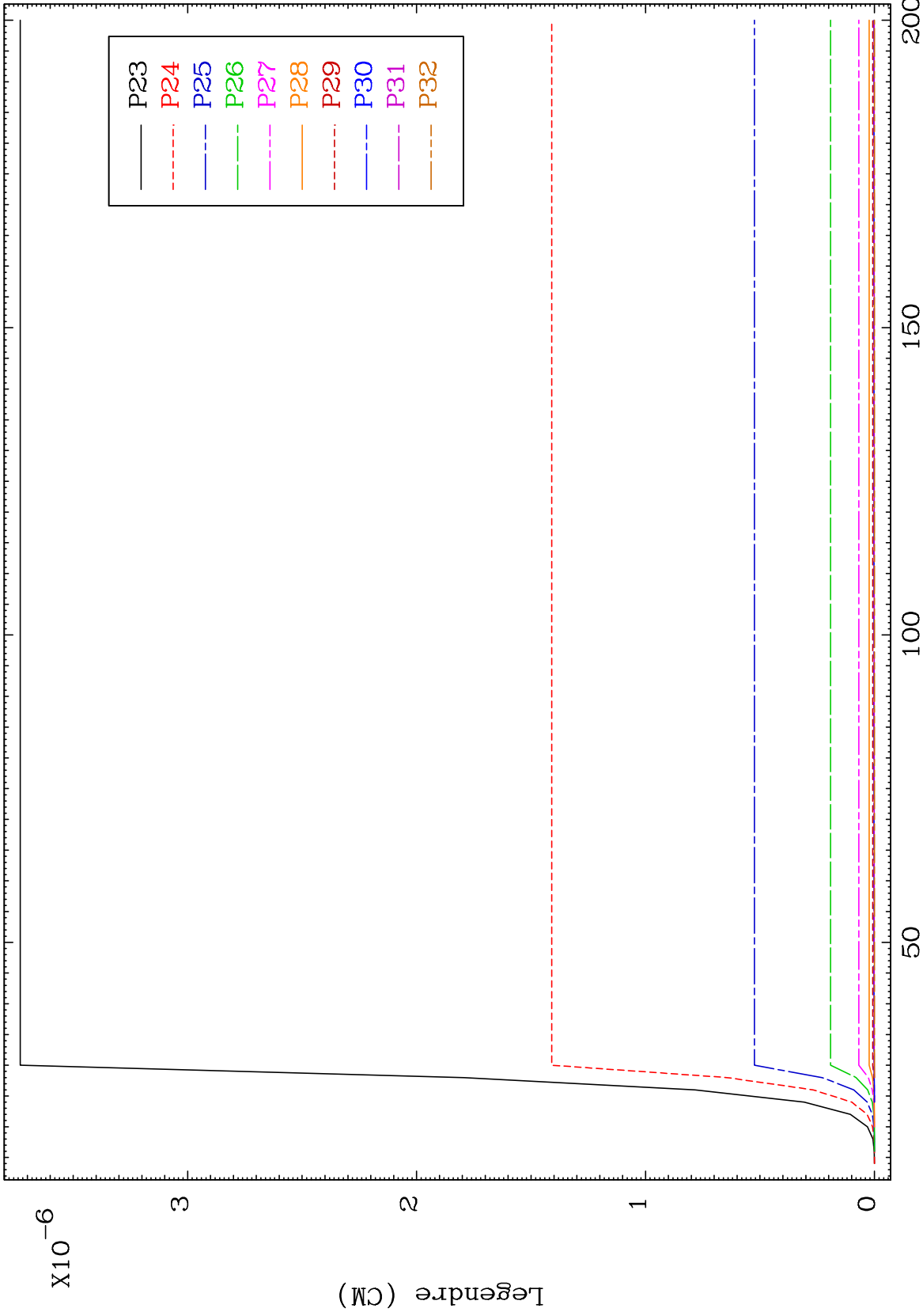


45 Incident Energy (MeV) 26-Fe-53

MAT 2622

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

26-Fe-53



46

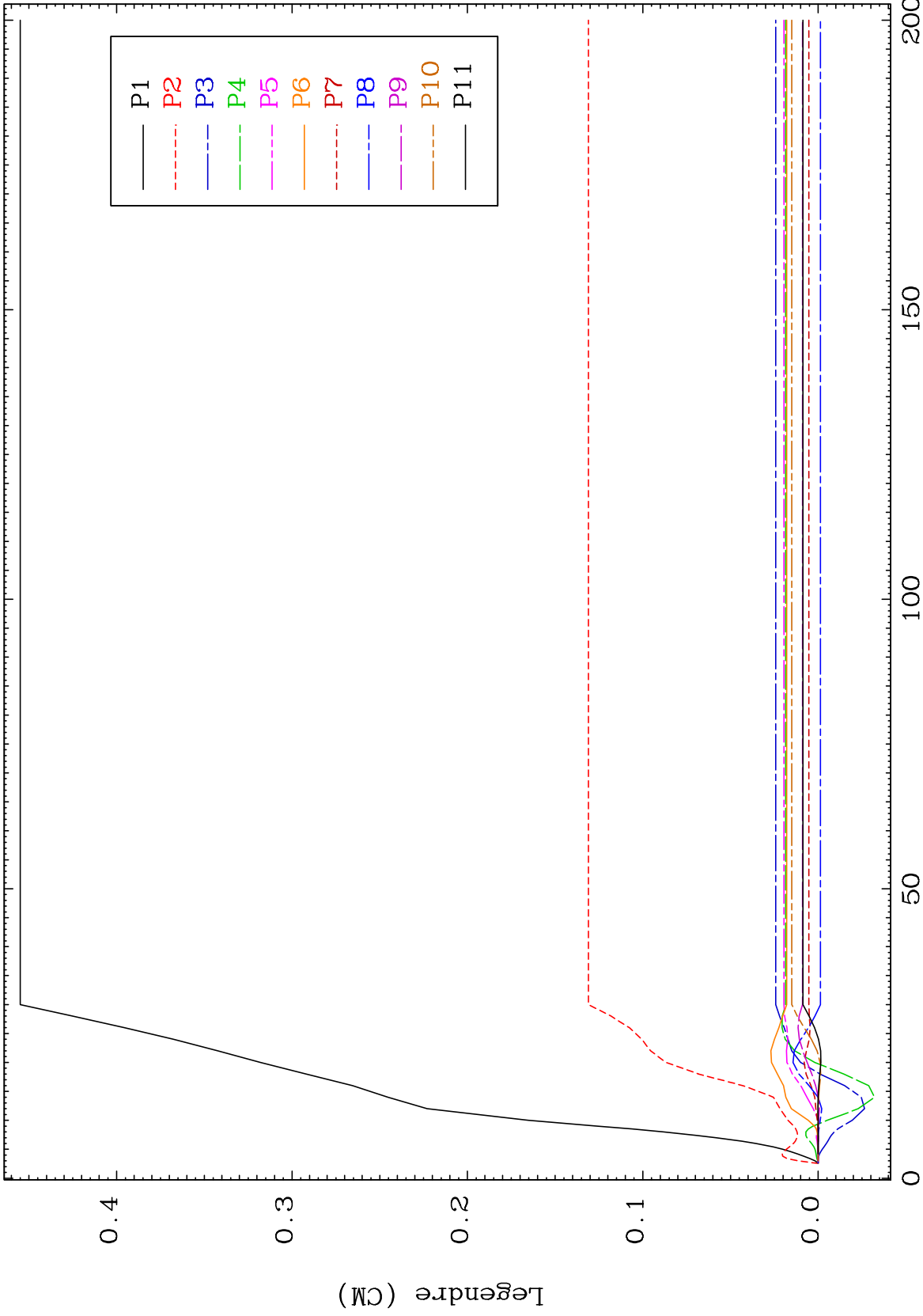
Incident Energy (MeV)

26-Fe-53

MAT 2622

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

26-Fe-53



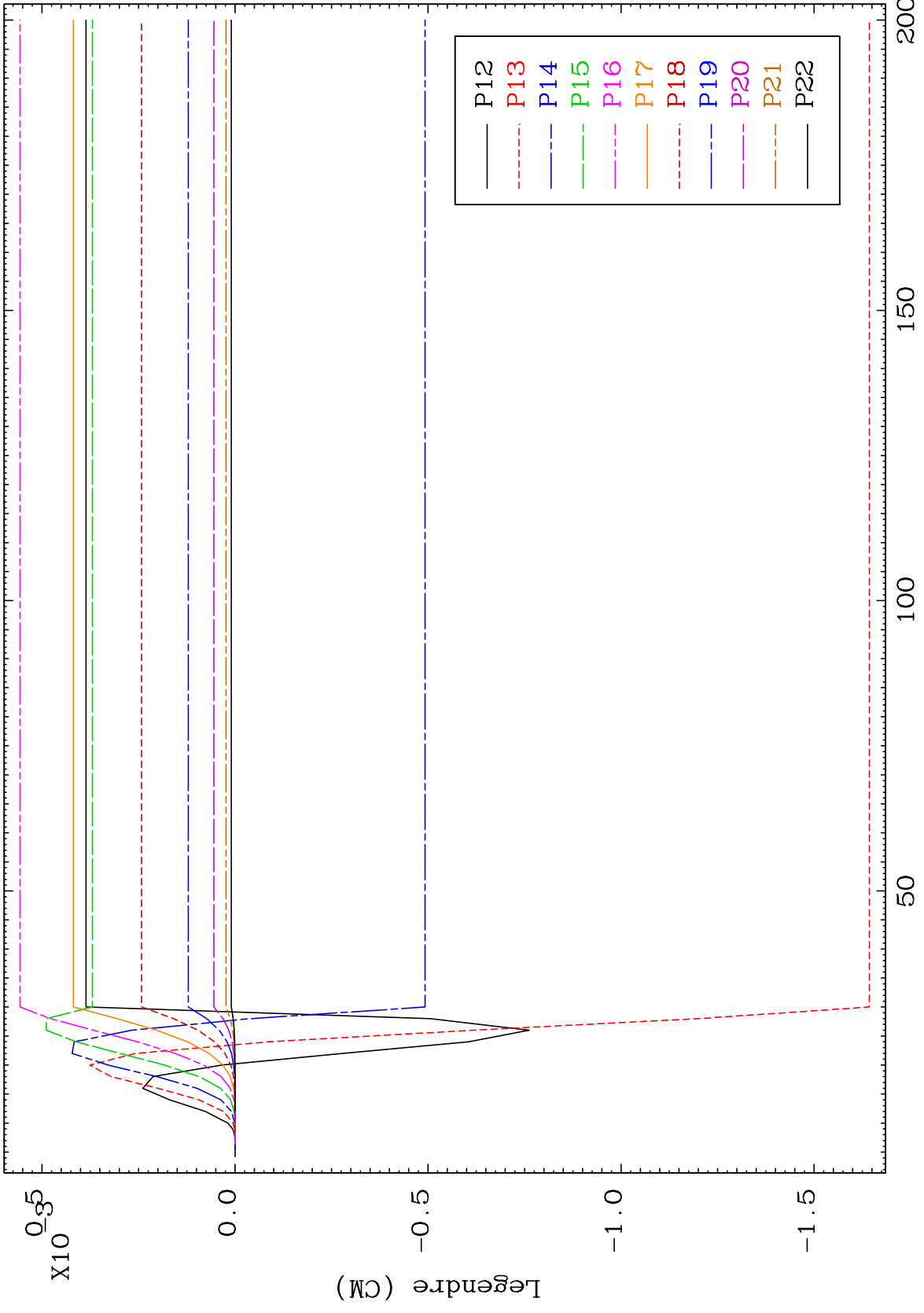
47

Incident Energy (MeV)

26-Fe-53



MAT 2622 MT= 61 (n,n') Level Legendre Coefficients 26-Fe-53

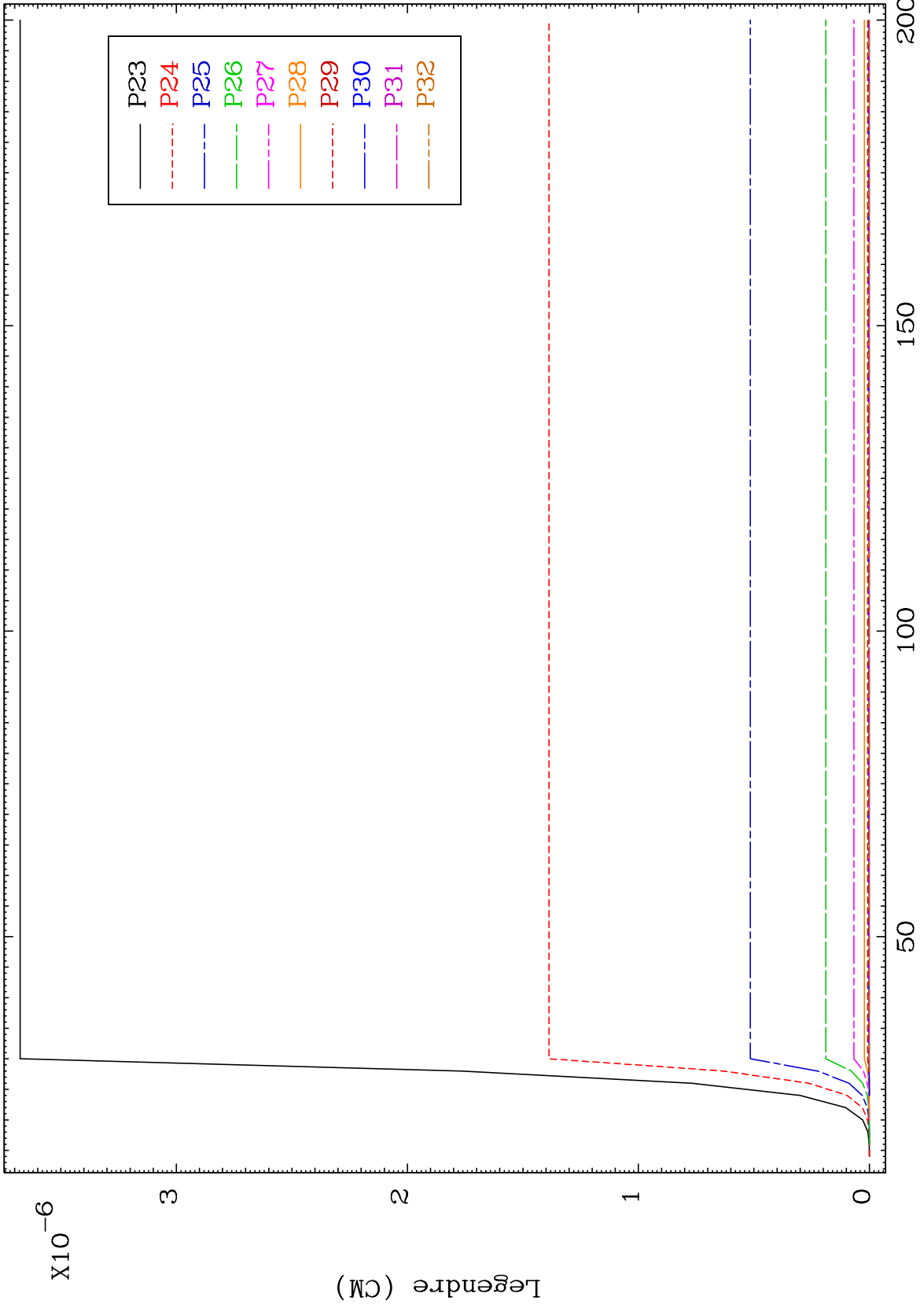


48 Incident Energy (MeV) 26-Fe-53

MAT 2622

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

26-Fe-53



49

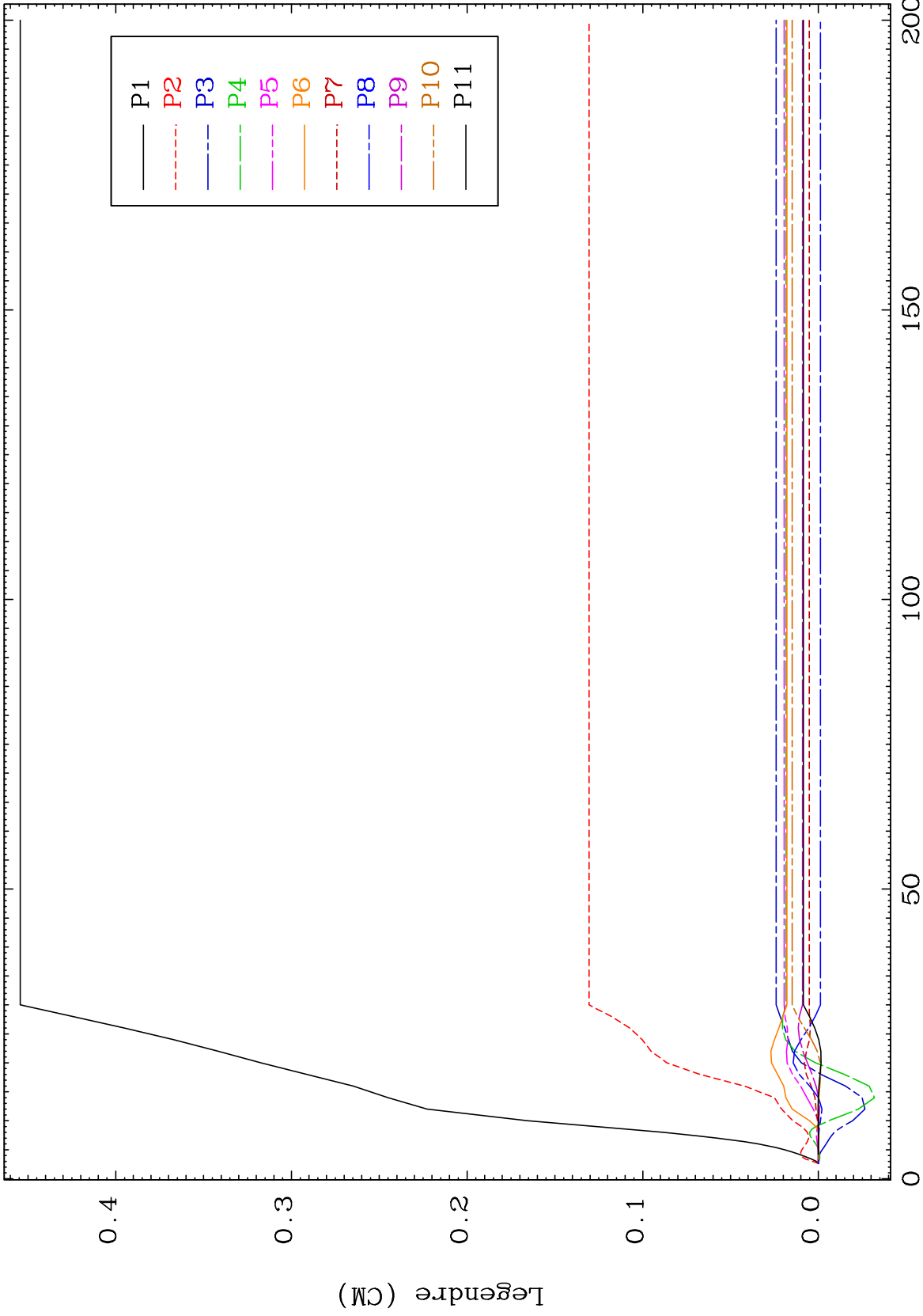
Incident Energy (MeV)

26-Fe-53

MAT 2622

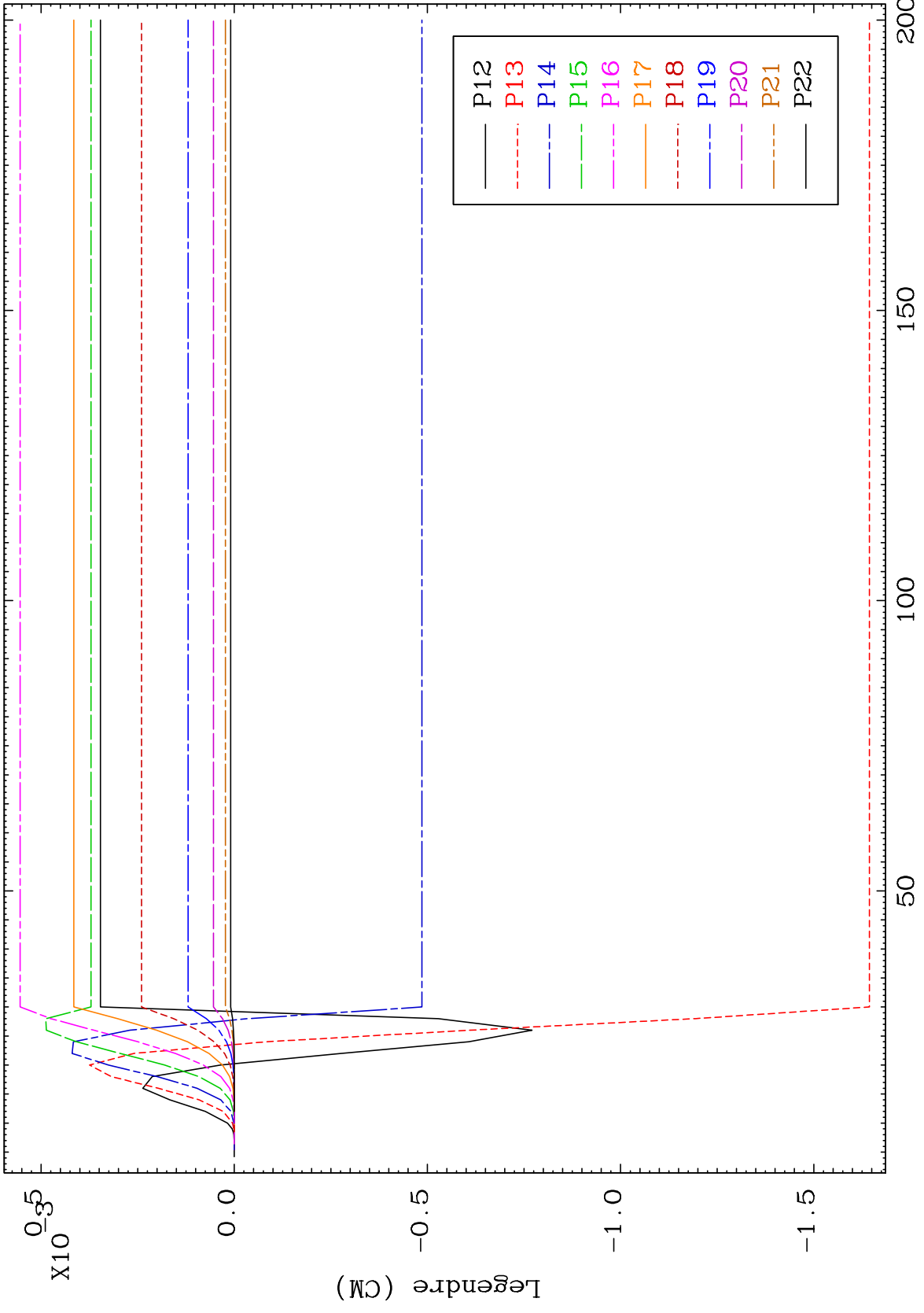
MT= 62 (n,n') Level  
Legendre Coefficients

26-Fe-53



26-Fe-53

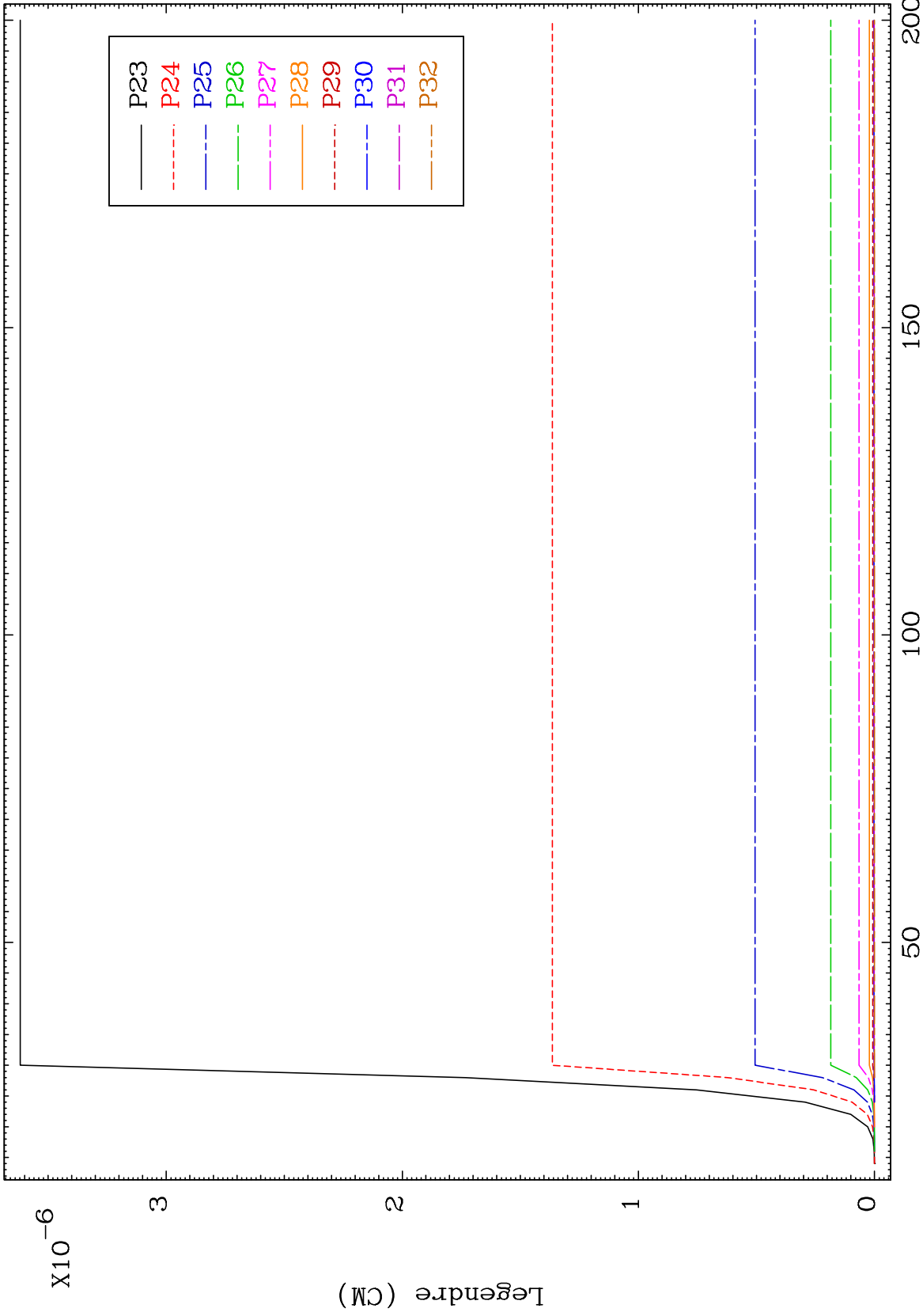
Incident Energy (MeV)



MAT 2622

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

26-Fe-53



52

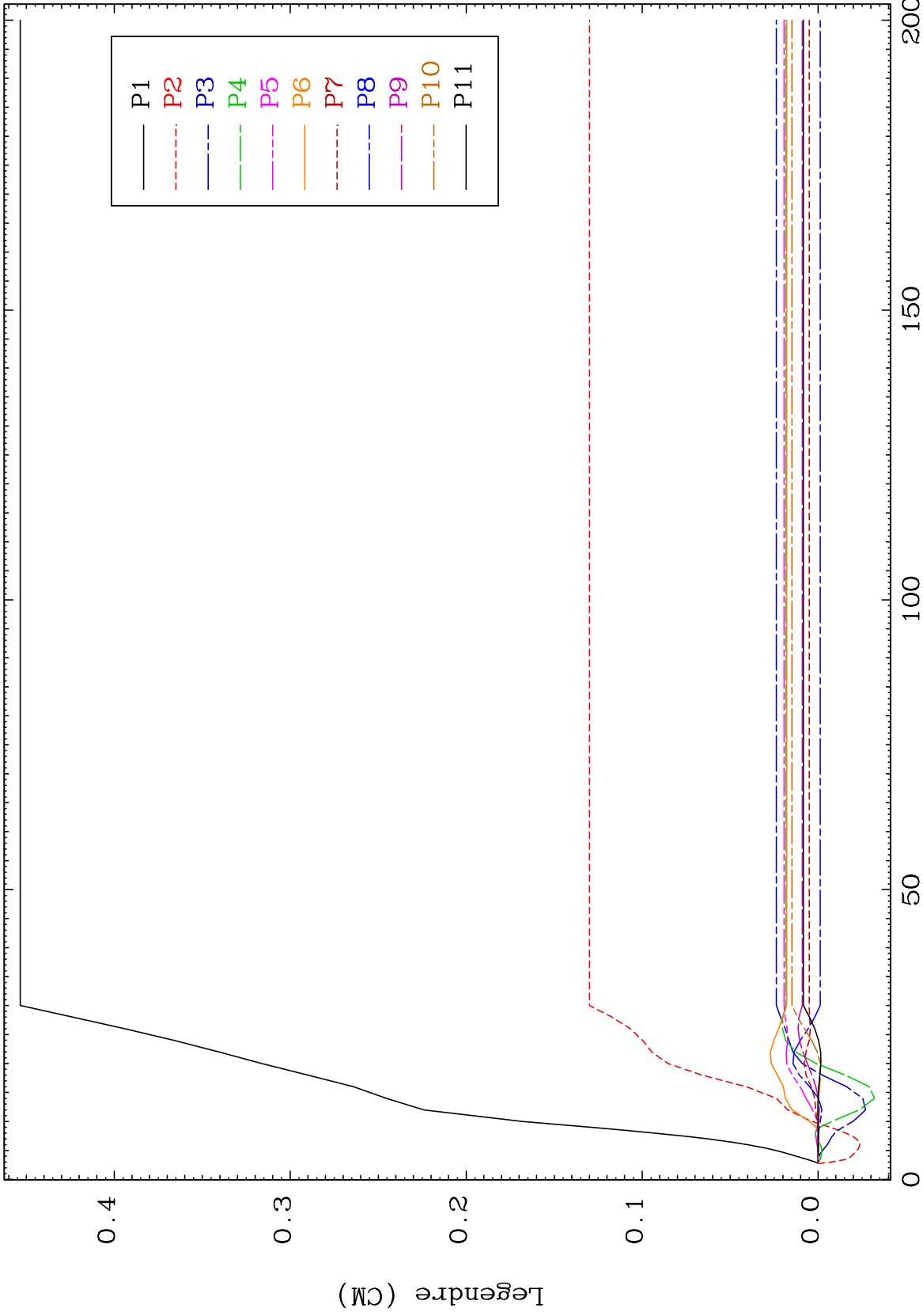
Incident Energy (MeV)

26-Fe-53

MAT 2622

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

26-Fe-53



53

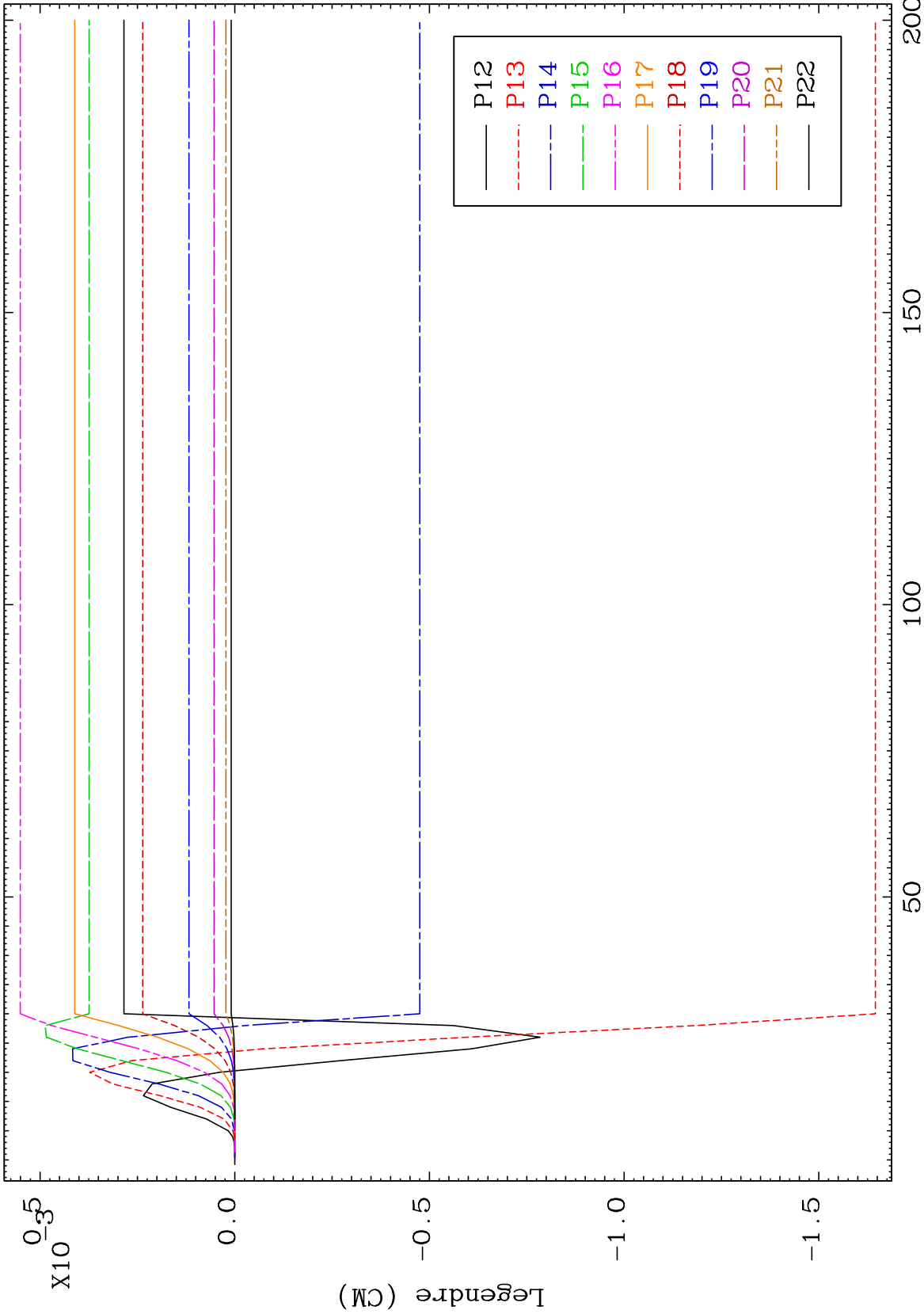
Incident Energy (MeV)

26-Fe-53

MAT 2622

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

<sup>26</sup>Fe-53



54

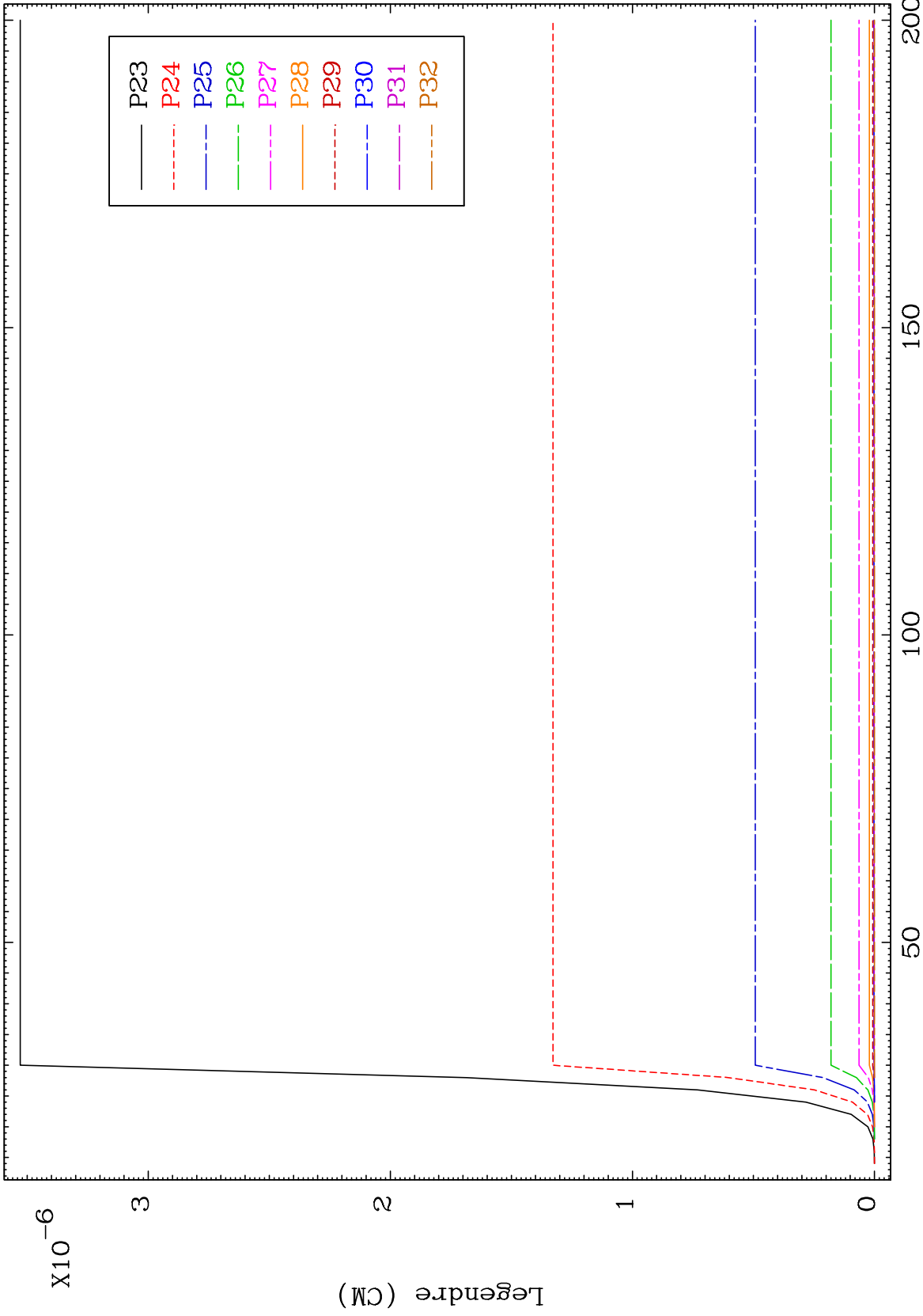
Incident Energy (MeV)

<sup>26</sup>Fe-53

MAT 2622

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

26-Fe-53



55

Incident Energy (MeV)

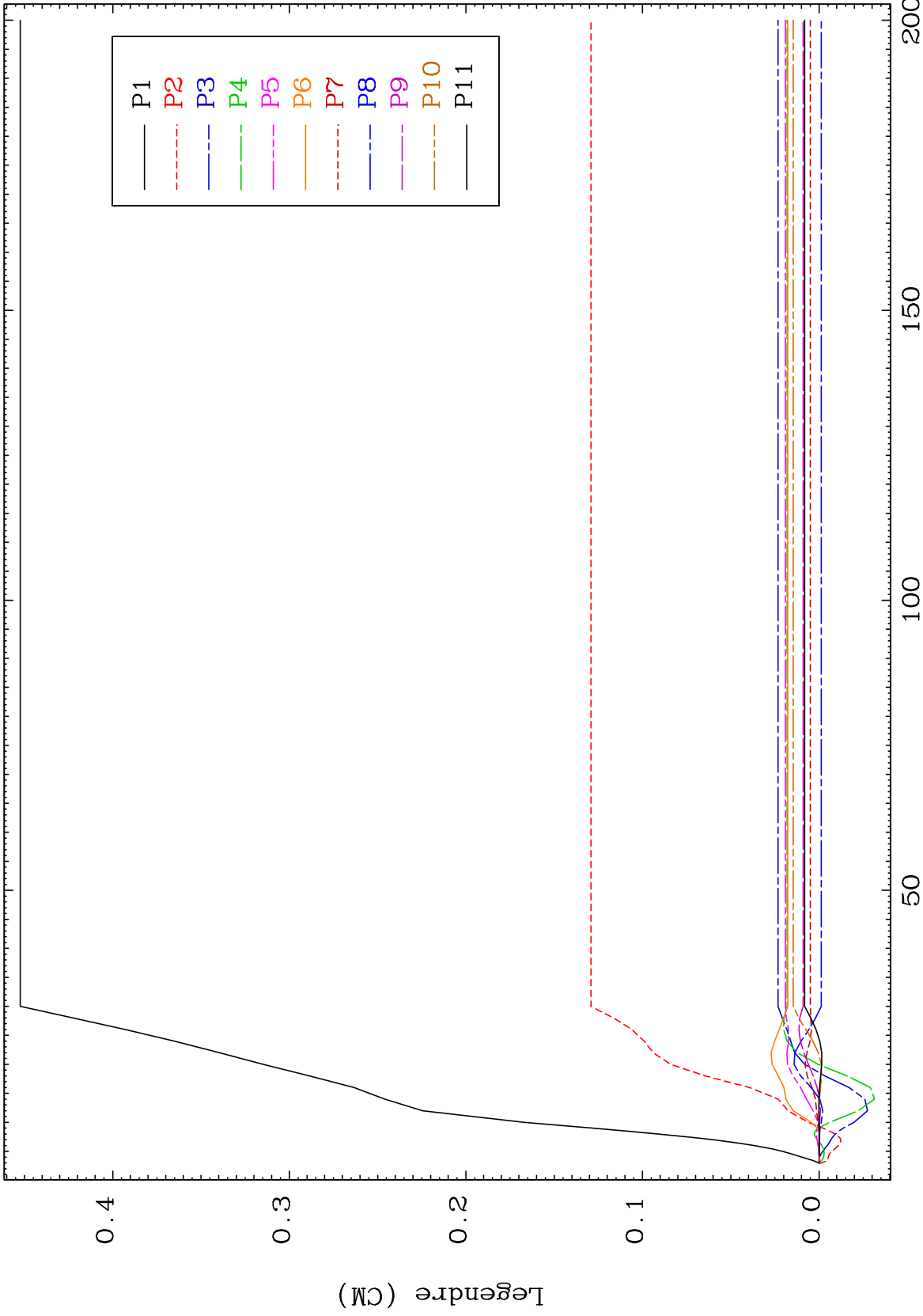
26-Fe-53



MAT 2622

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

<sup>26</sup>Fe-53



56

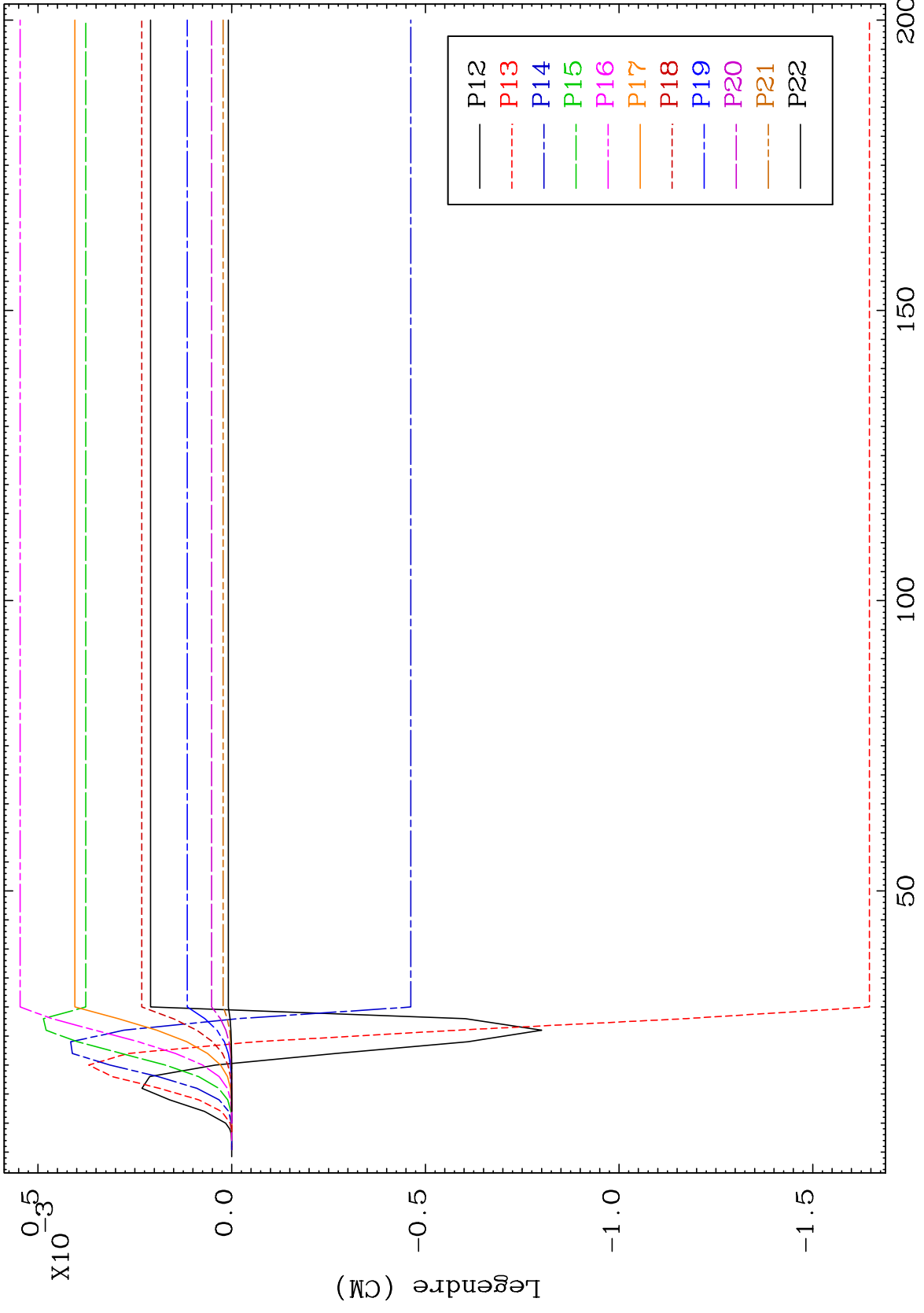
Incident Energy (MeV)

<sup>26</sup>Fe-53

MAT 2622

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

26-Fe-53



57

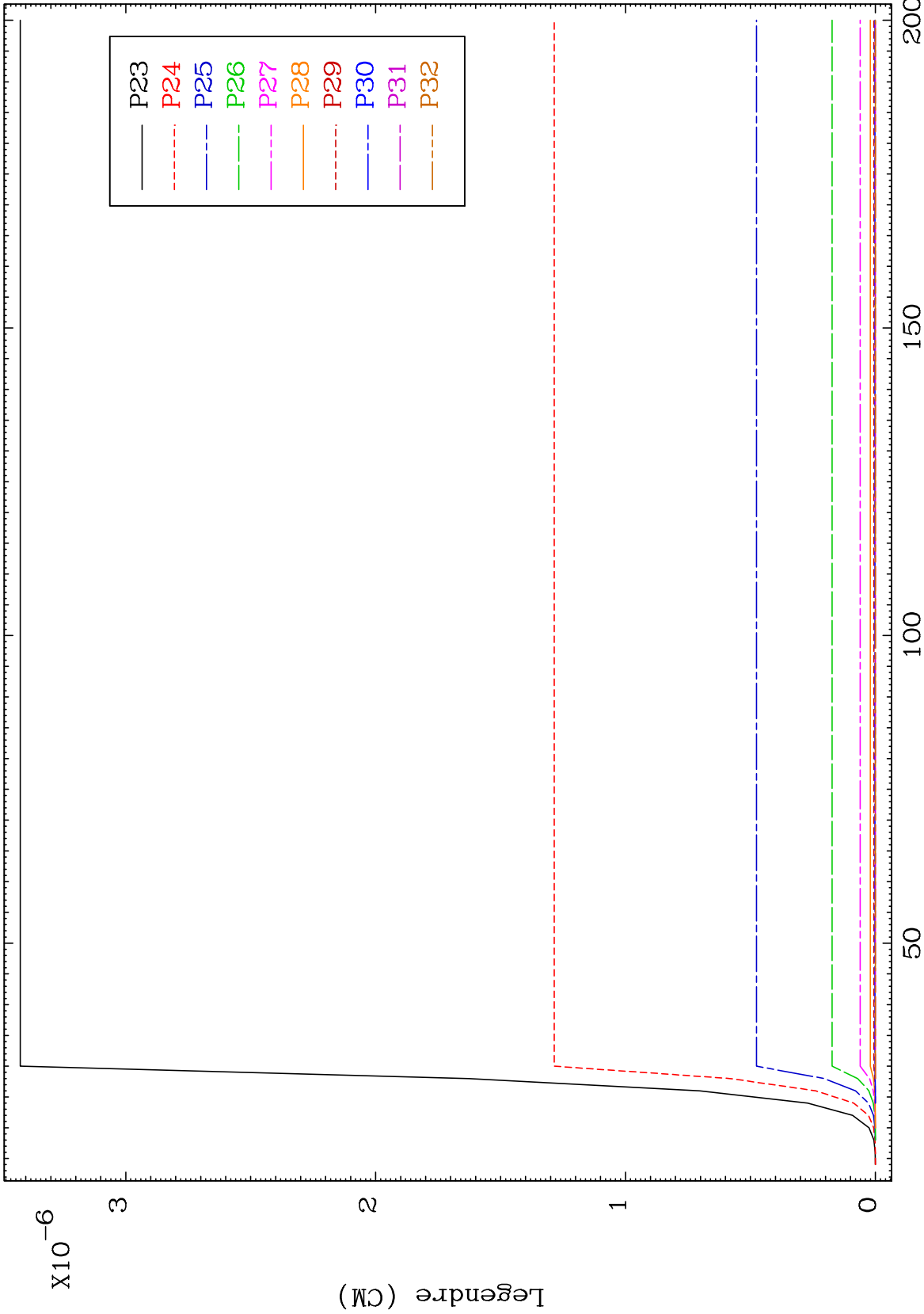
Incident Energy (MeV)

26-Fe-53

MAT 2622

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

26-Fe-53



58

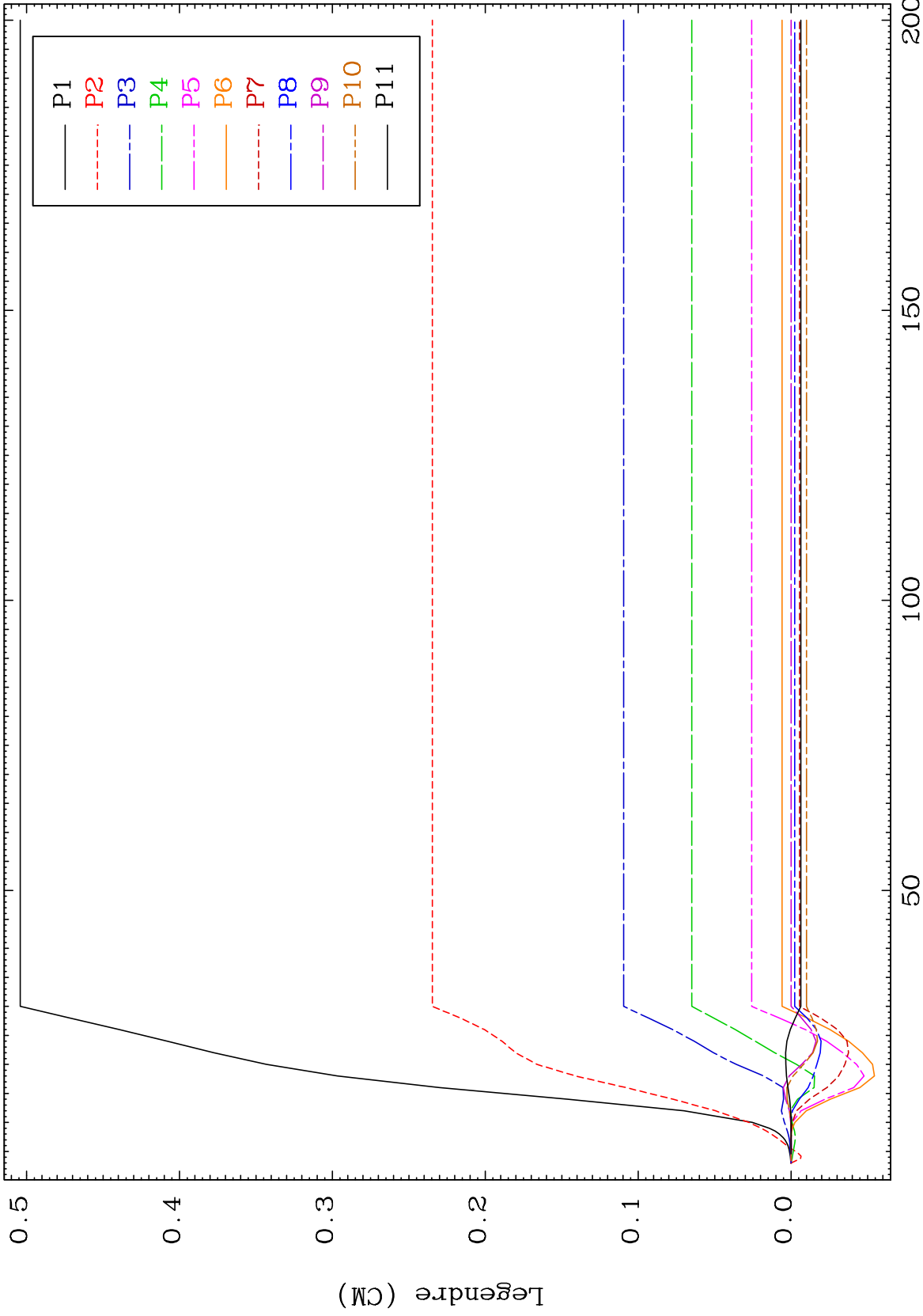
Incident Energy (MeV)

26-Fe-53

MAT 2622

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

26-Fe-53



59

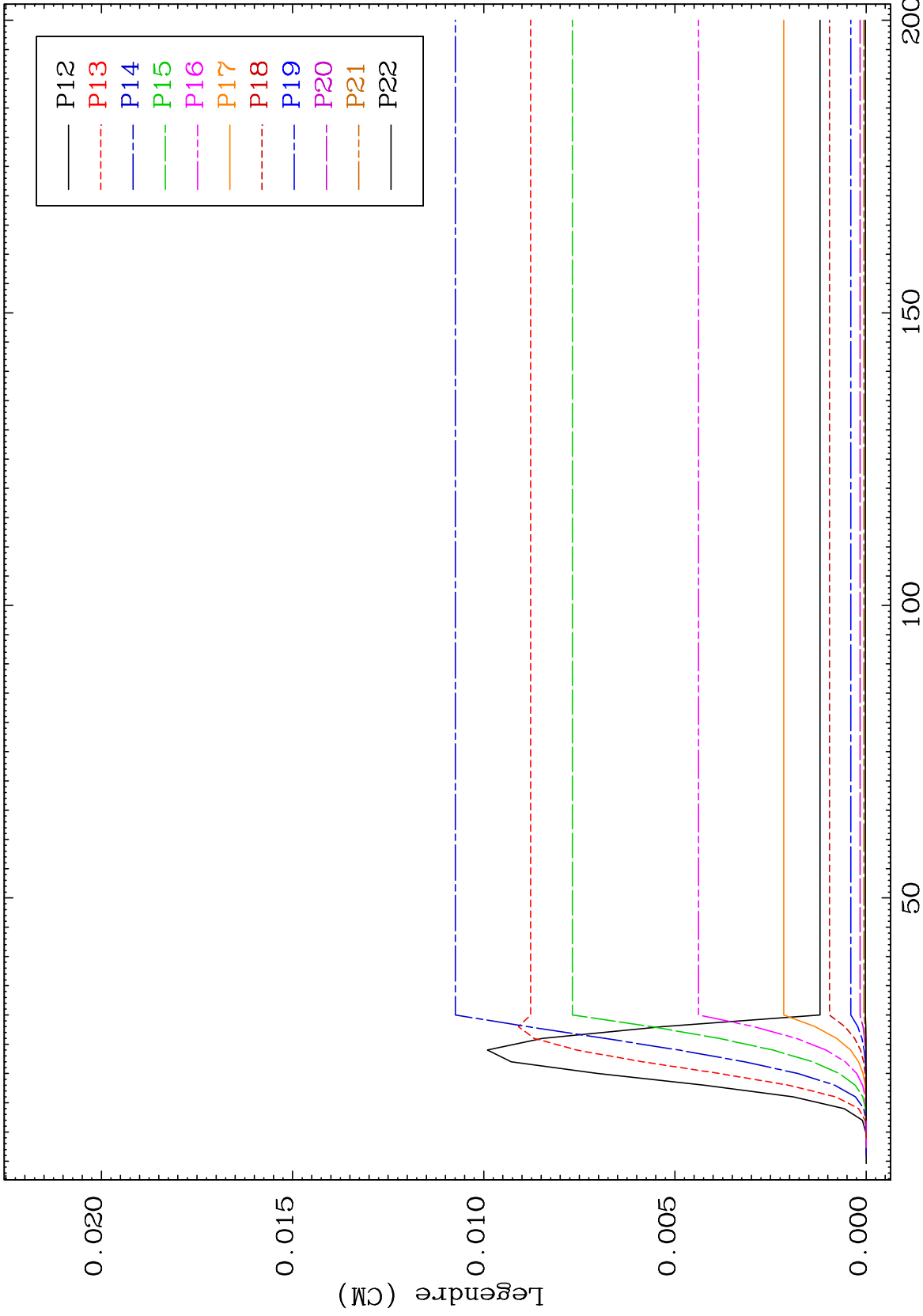
Incident Energy (MeV)

26-Fe-53

MAT 2622

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

26-Fe-53



60

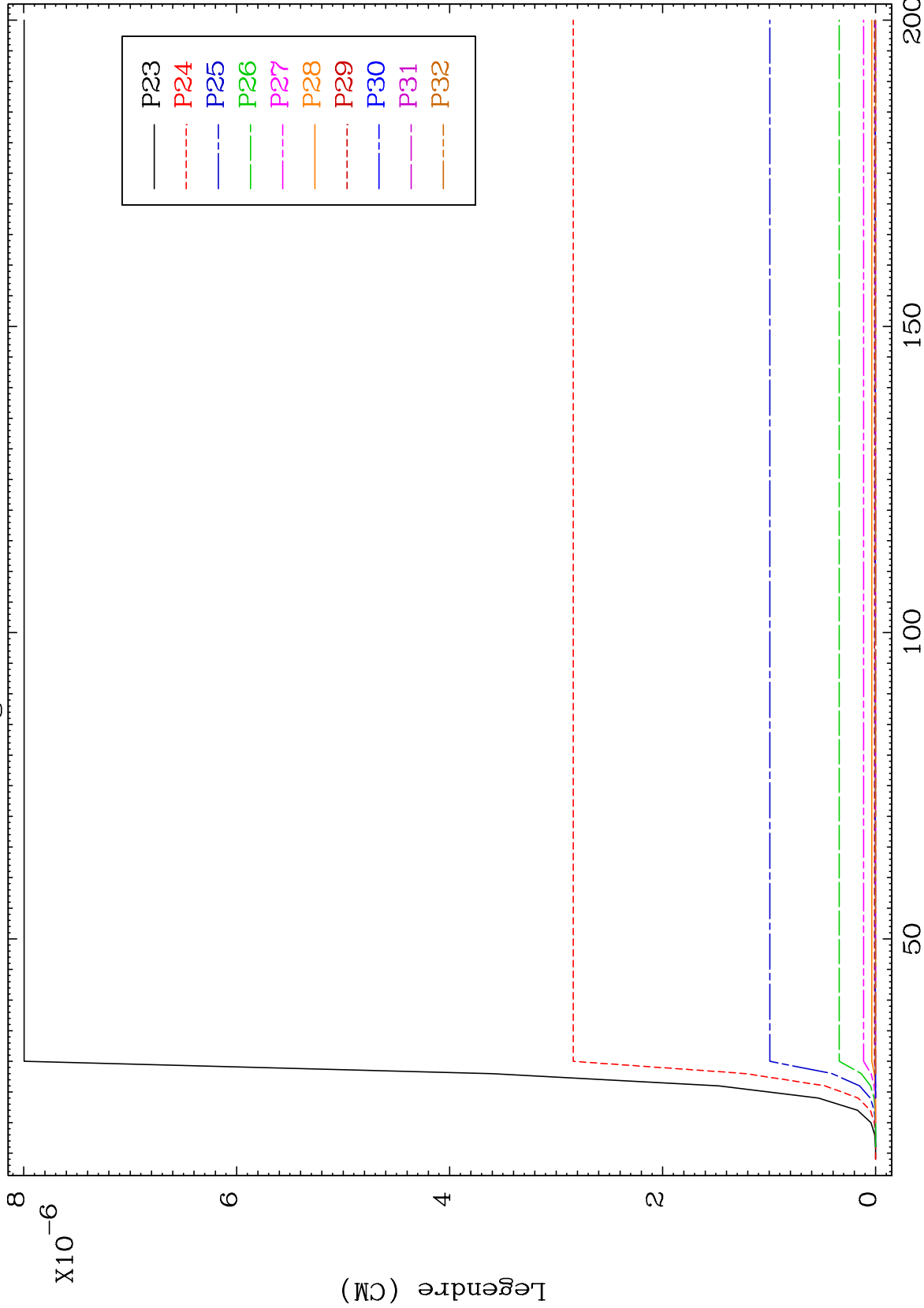
Incident Energy (MeV)

26-Fe-53

MAT 2622

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

26-Fe-53



61

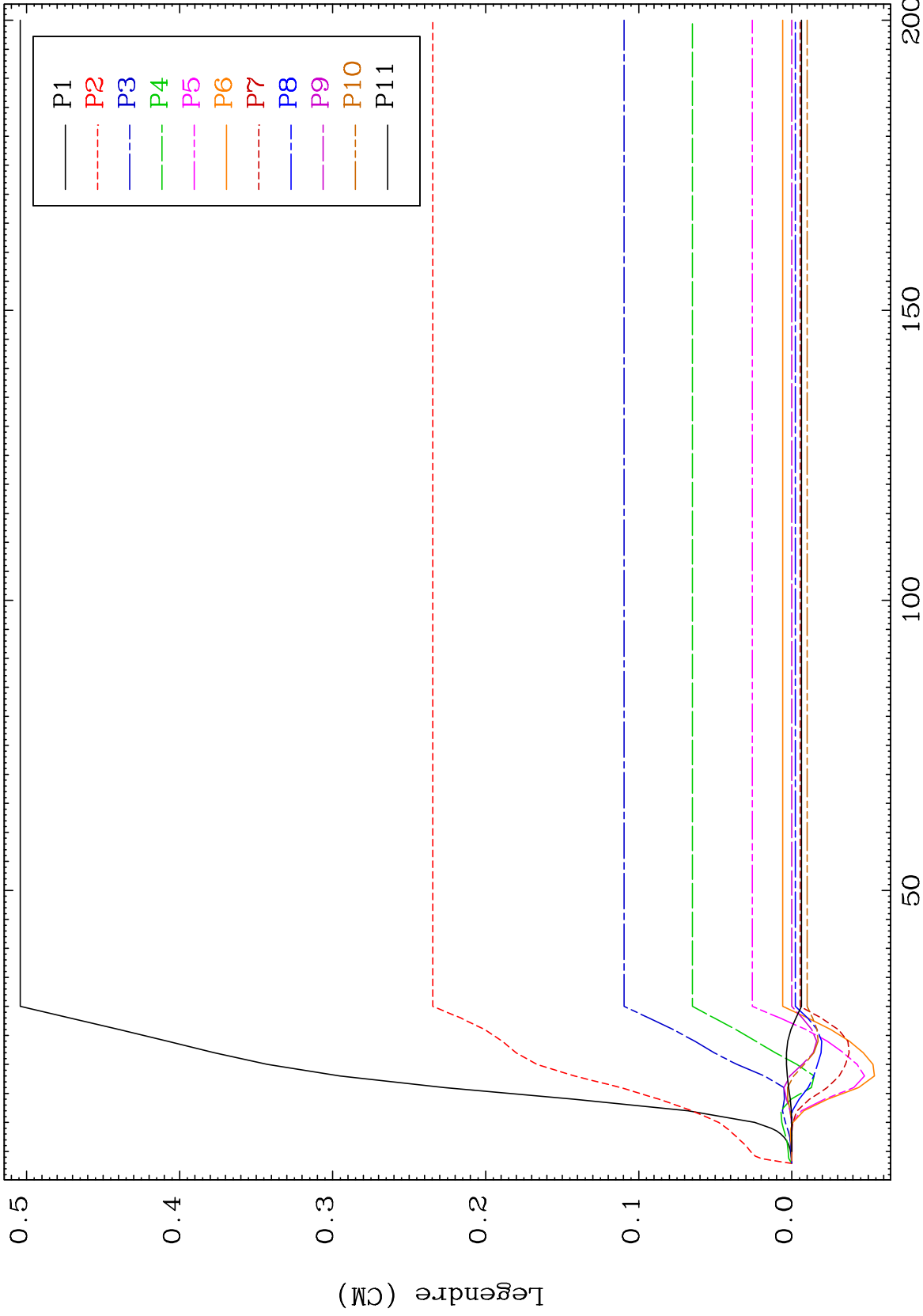
Incident Energy (MeV)

26-Fe-53

MAT 2622

MT= 66 (n,n') Level  
Legendre Coefficients

26-Fe-53



62

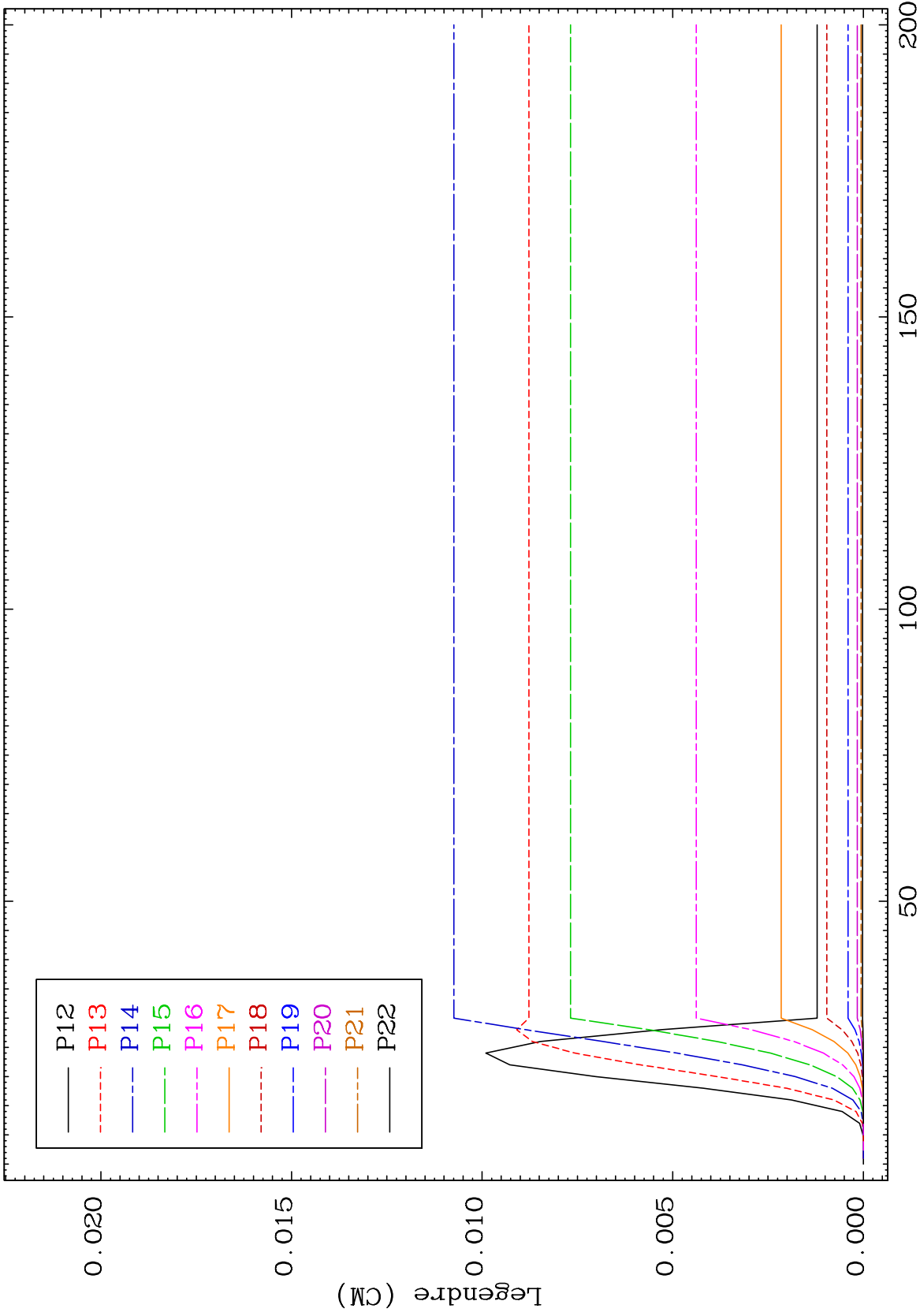
Incident Energy (MeV)

26-Fe-53

MAT 2622

MT= 66 (n,n') Level  
Legendre Coefficients

<sup>26</sup>Fe-53



63

Incident Energy (MeV)

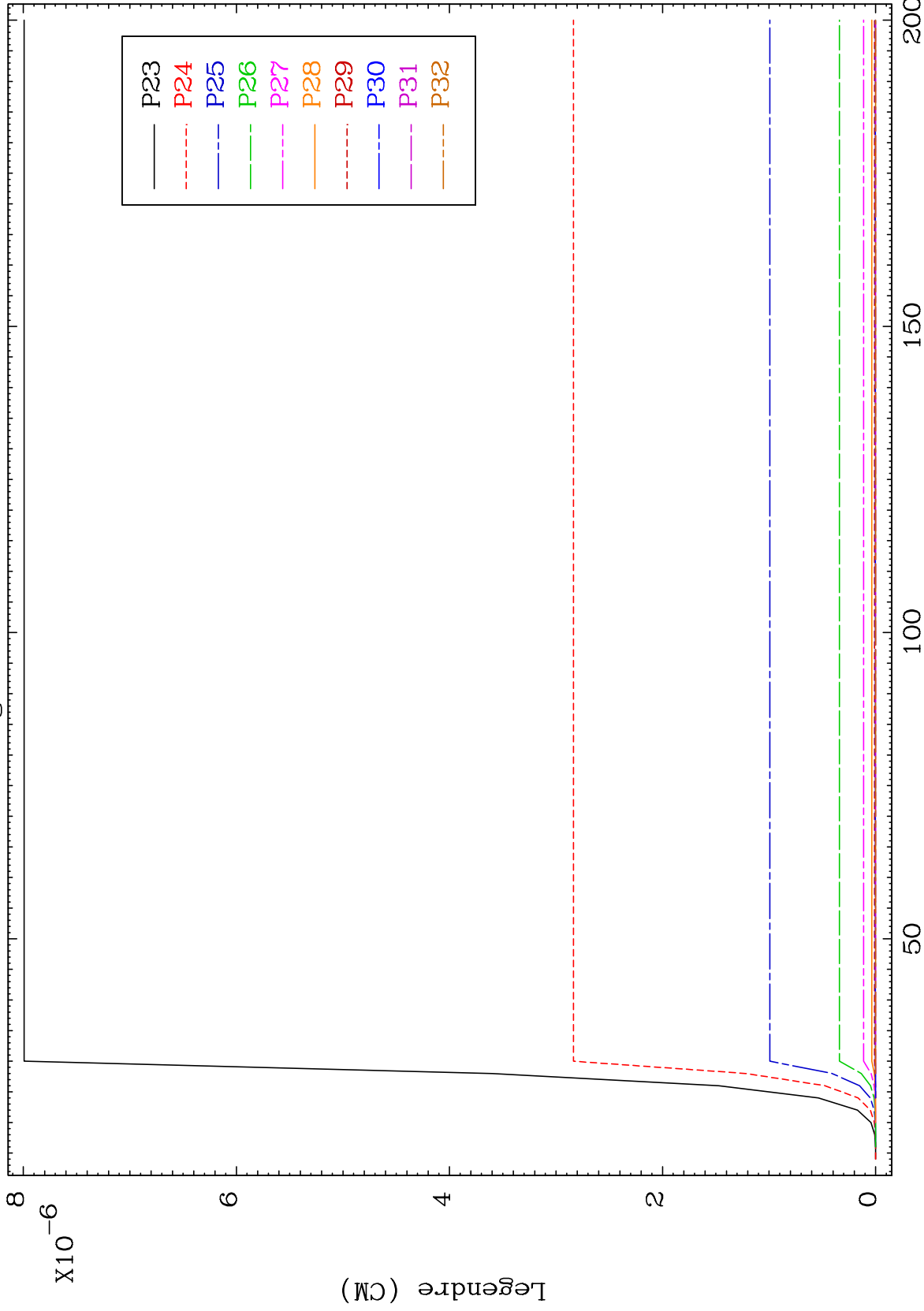
<sup>26</sup>Fe-53



MAT 2622

MT= 66 (n,n') Level  
Legendre Coefficients

26-Fe-53



64

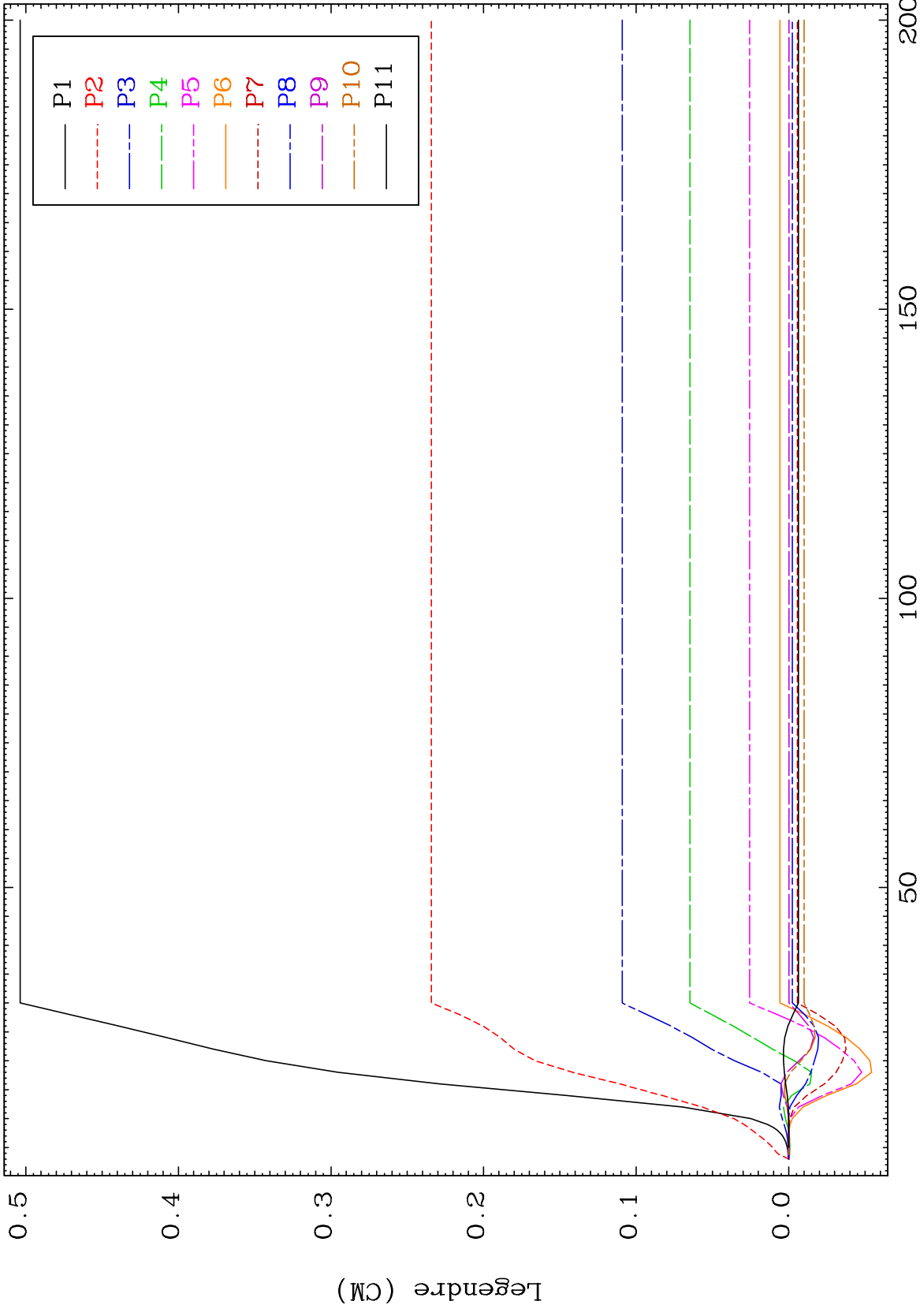
Incident Energy (MeV)

26-Fe-53

MAT 2622

MT= 67 (n,n') Level  
Legendre Coefficients

26-Fe-53



65

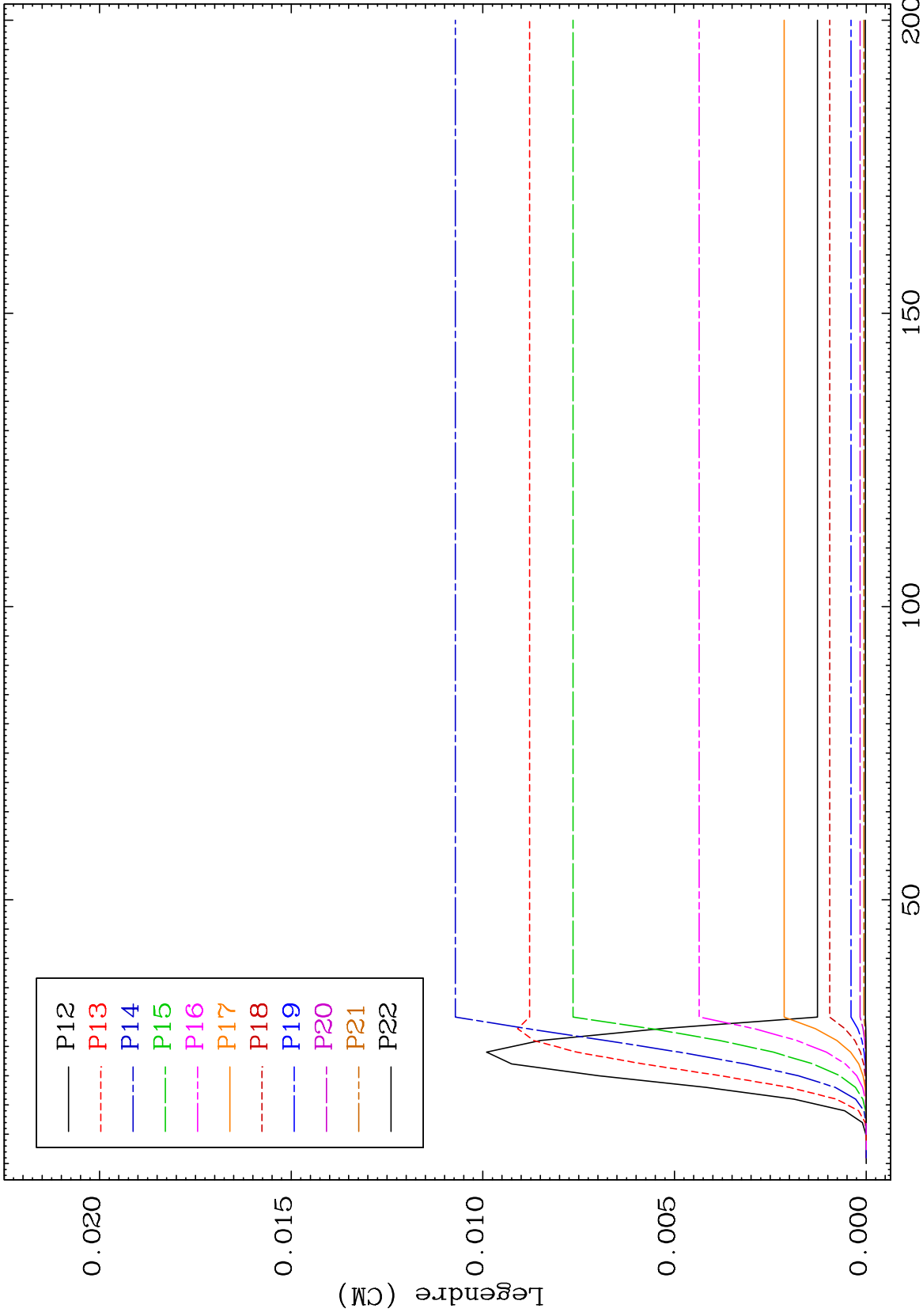
Incident Energy (MeV)

26-Fe-53

MAT 2622

MT= 67 (n,n') Level  
Legendre Coefficients

<sup>26</sup>Fe-53



66

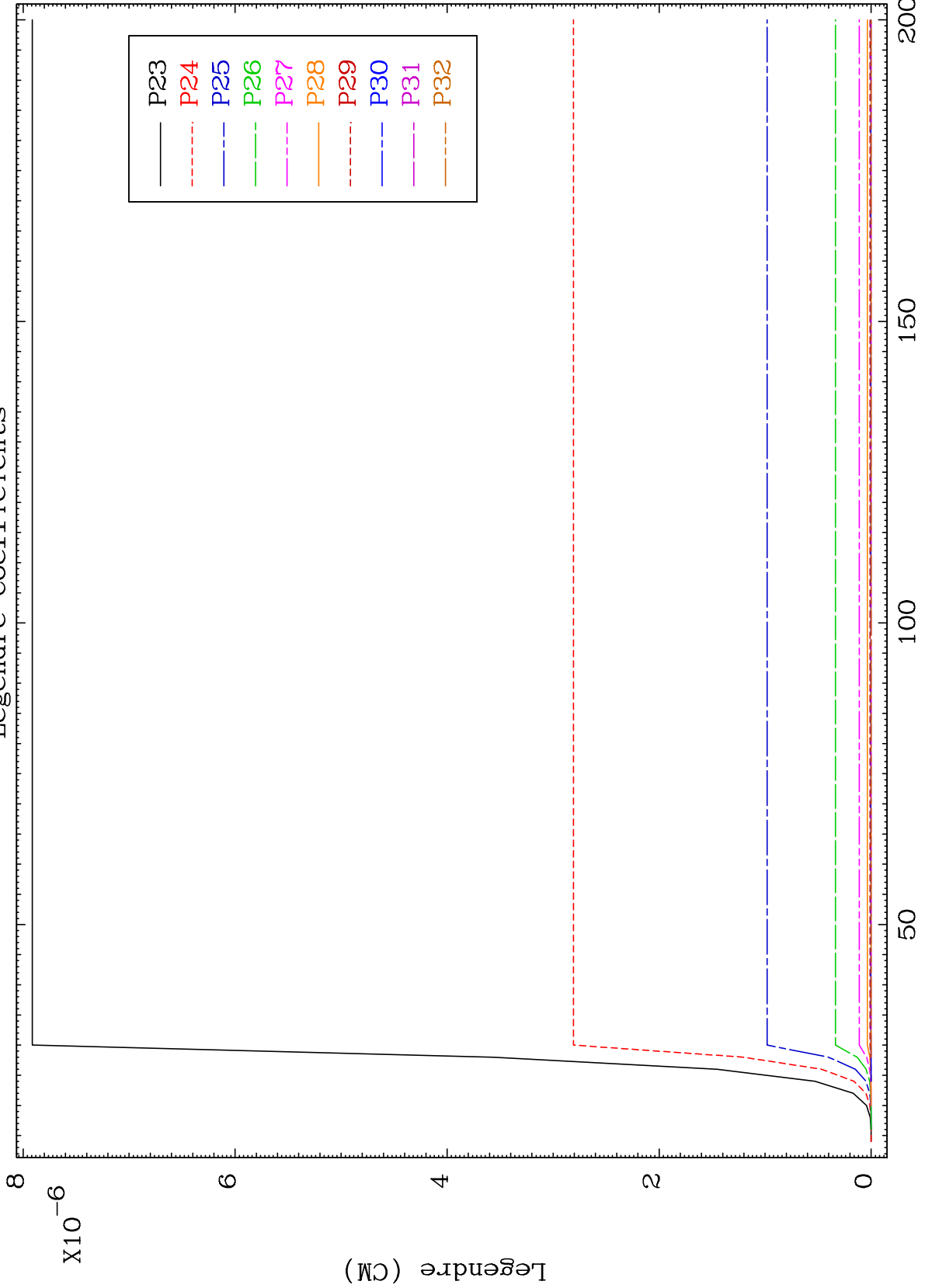
Incident Energy (MeV)

<sup>26</sup>Fe-53

MAT 2622

MT= 67 (n,n') Level  
Legendre Coefficients

26-Fe-53



67

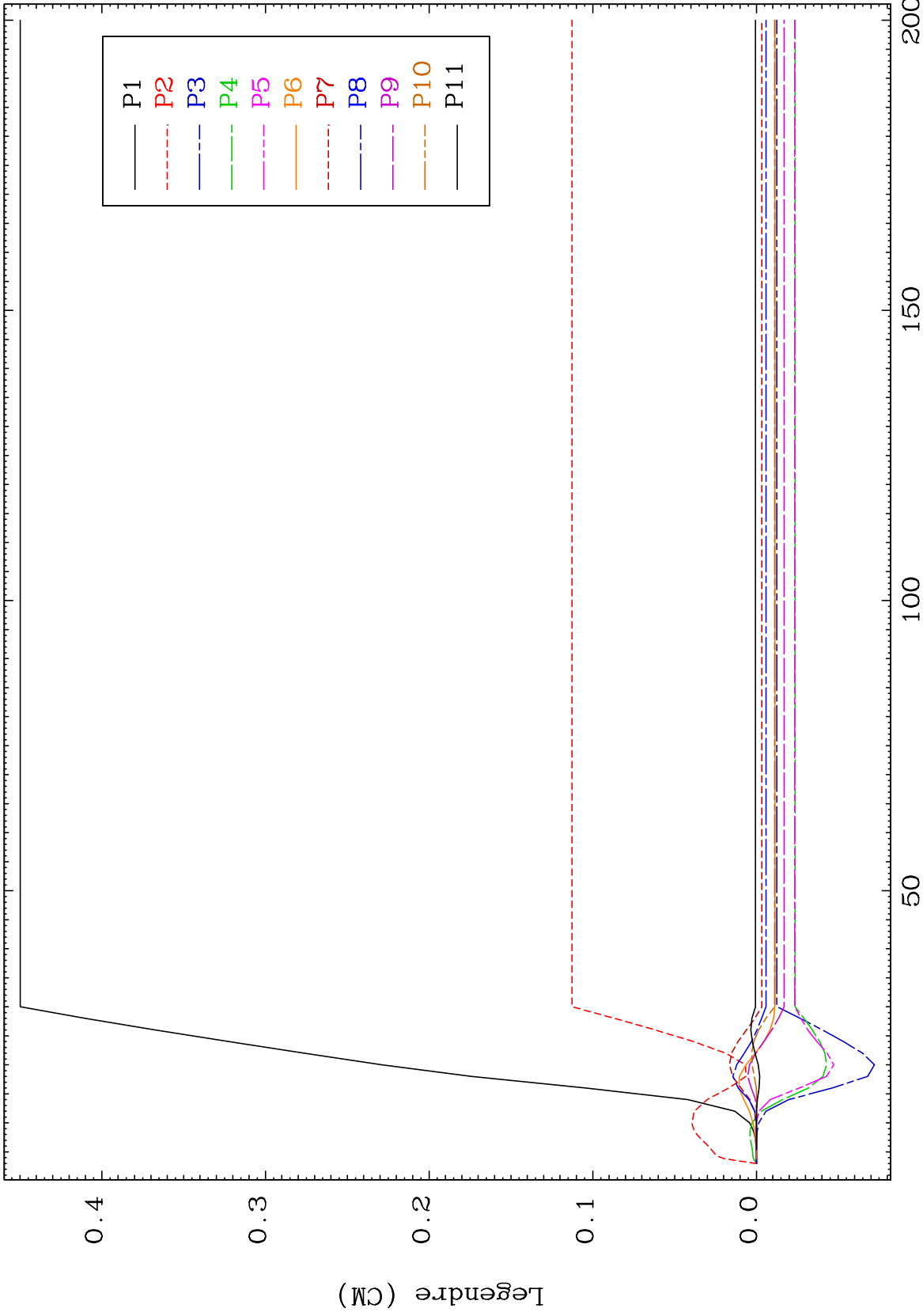
Incident Energy (MeV)

26-Fe-53

MAT 2622

MT= 68 (n,n') Level  
Legendre Coefficients

26-Fe-53



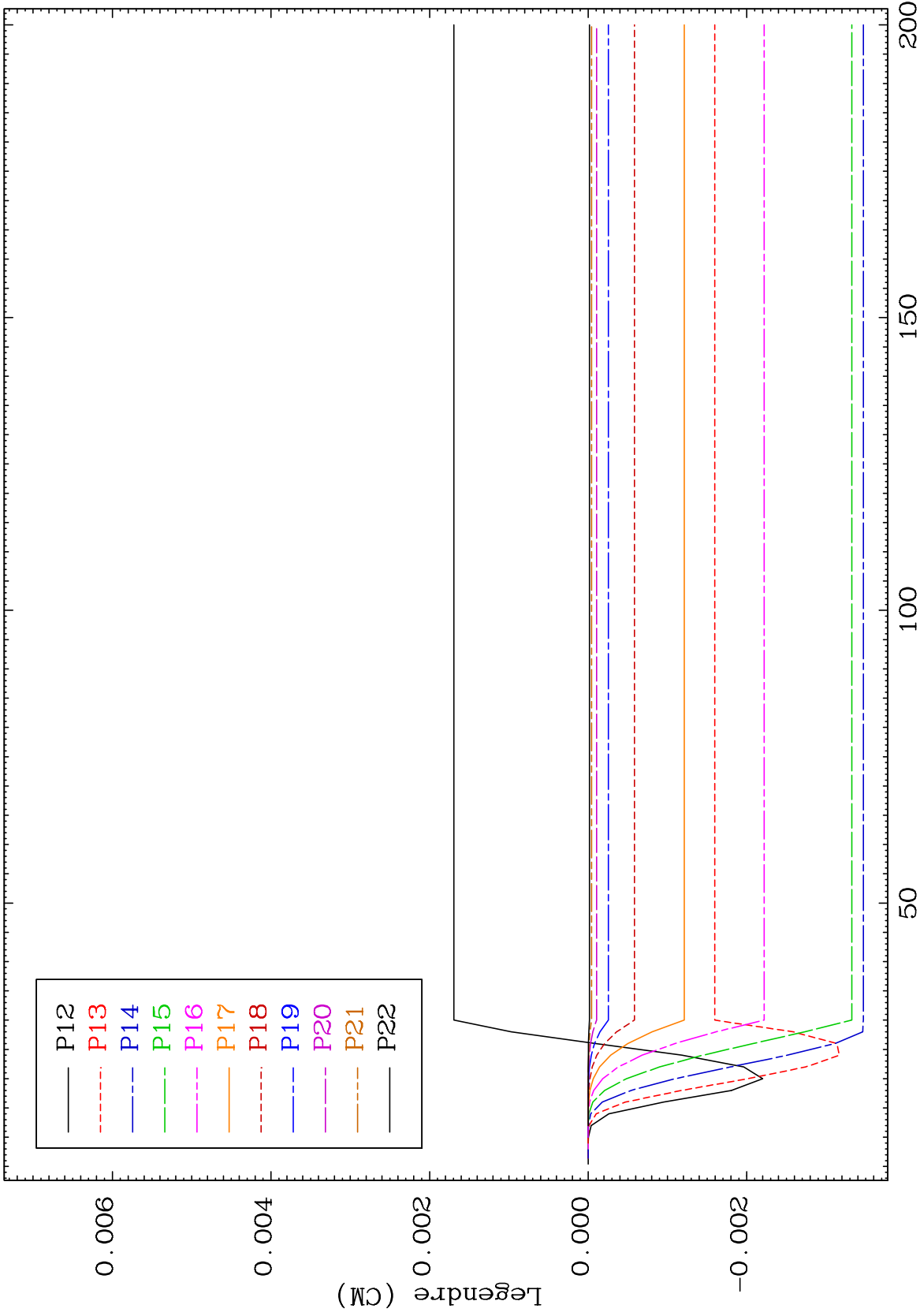
68

26-Fe-53

MAT 2622

MT= 68 (n,n') Level  
Legendre Coefficients

26-Fe-53



69

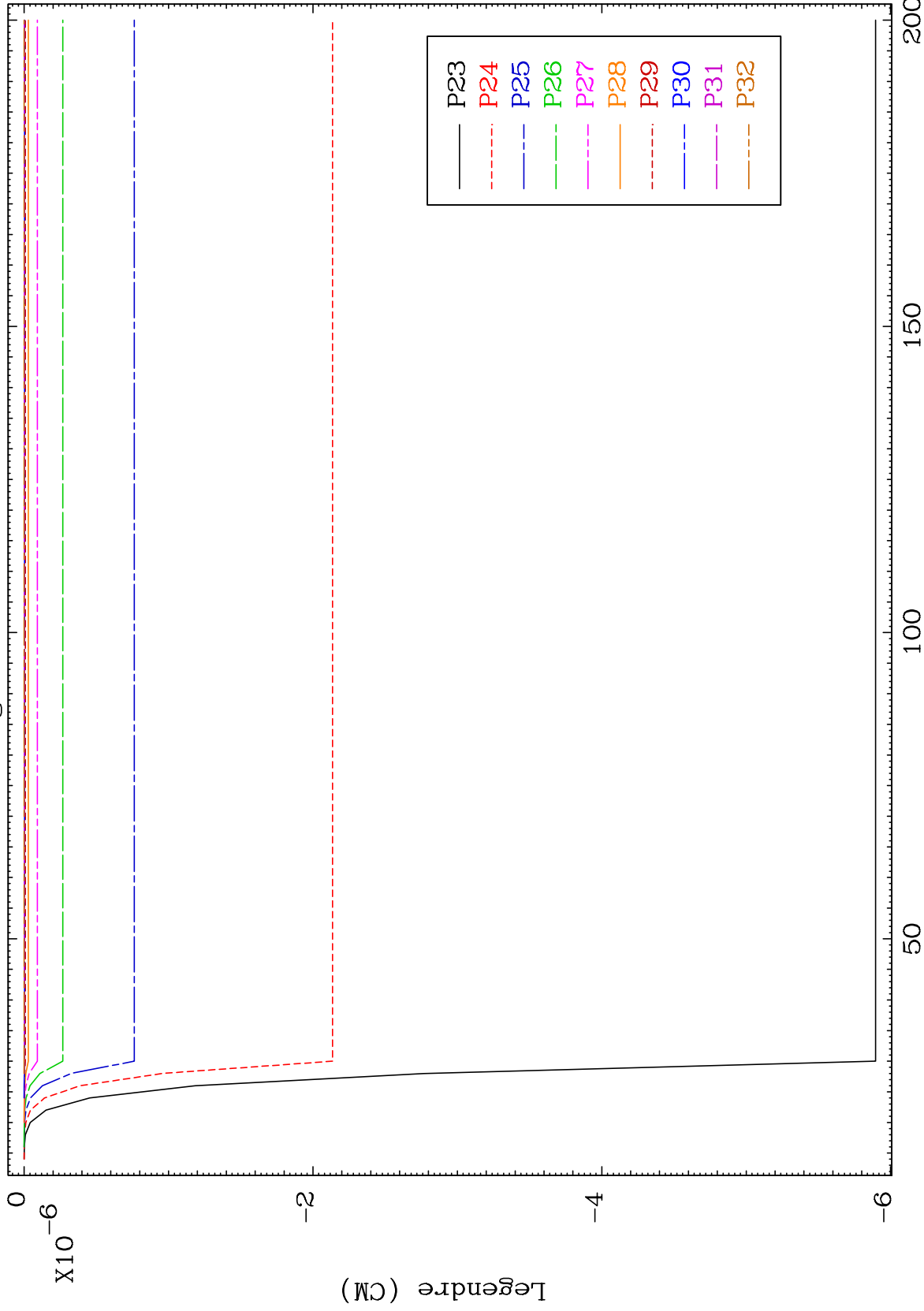
Incident Energy (MeV)

26-Fe-53

MAT 2622

MT= 68 (n,n') Level  
Legendre Coefficients

26-Fe-53

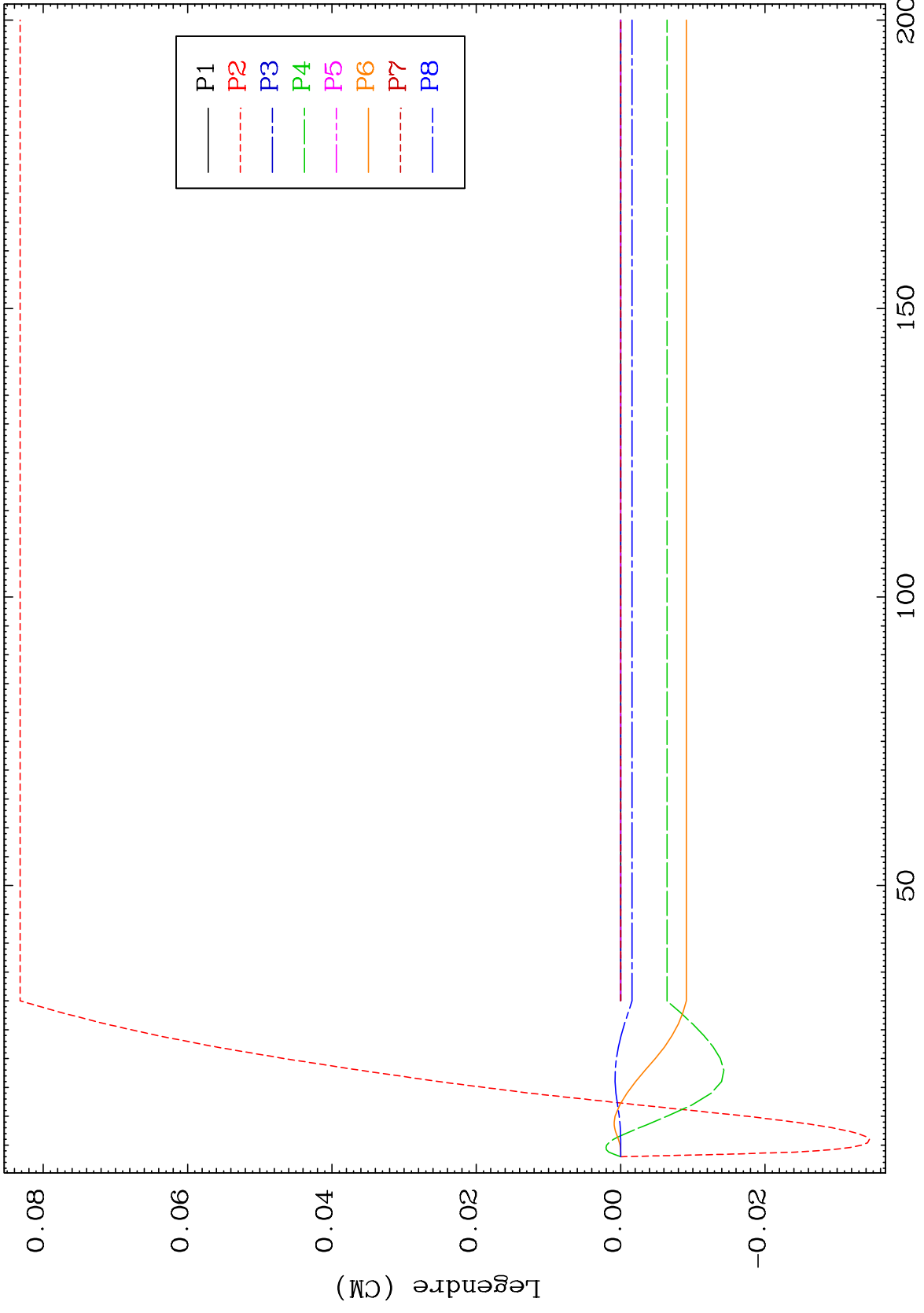


70

Incident Energy (MeV)

26-Fe-53

MAT 2622 MT= 69 (n,n') Level Legendre Coefficients 26-Fe-53

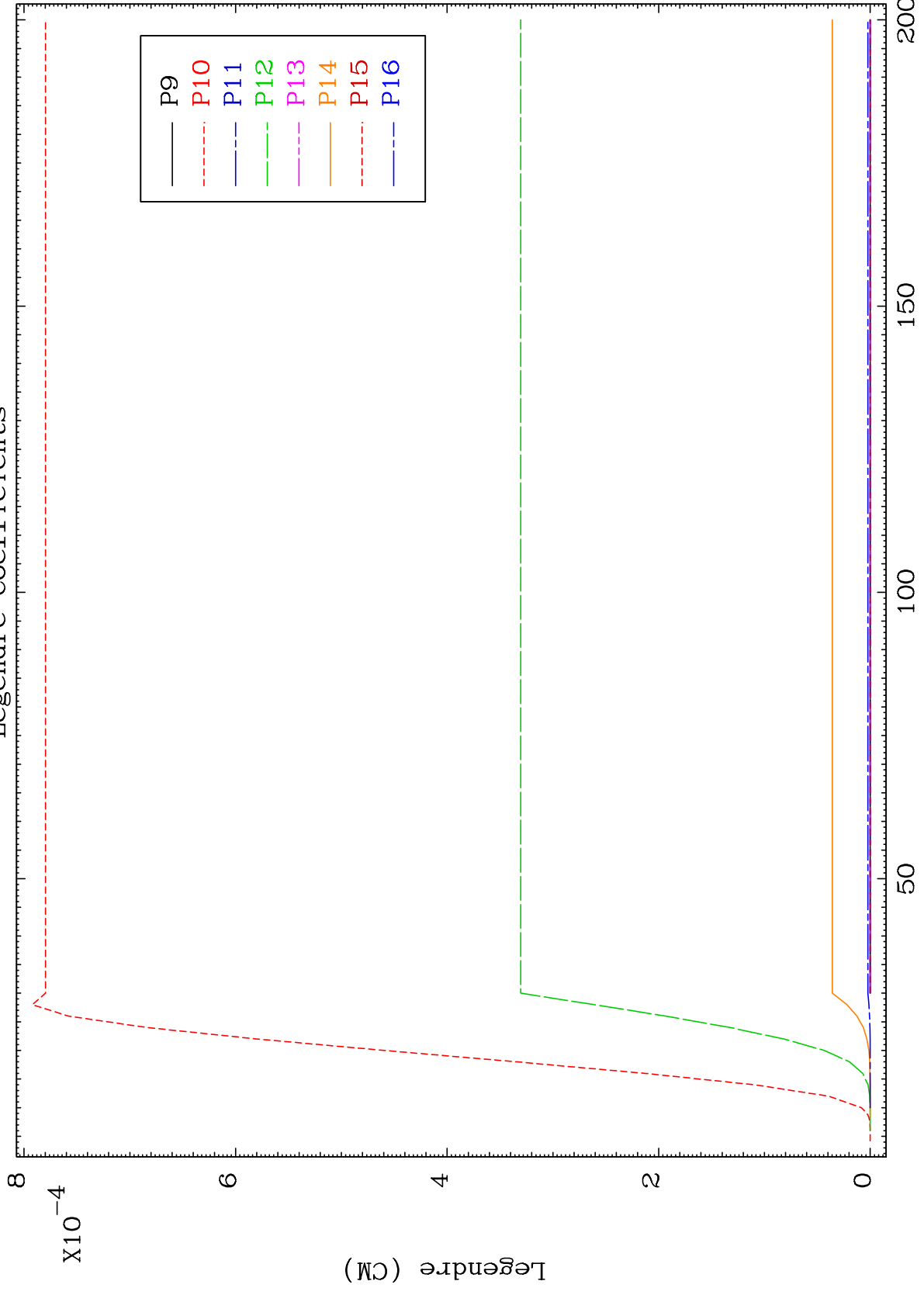




MAT 2622

MT= 69 (n,n') Level  
Legendre Coefficients

26-Fe-53

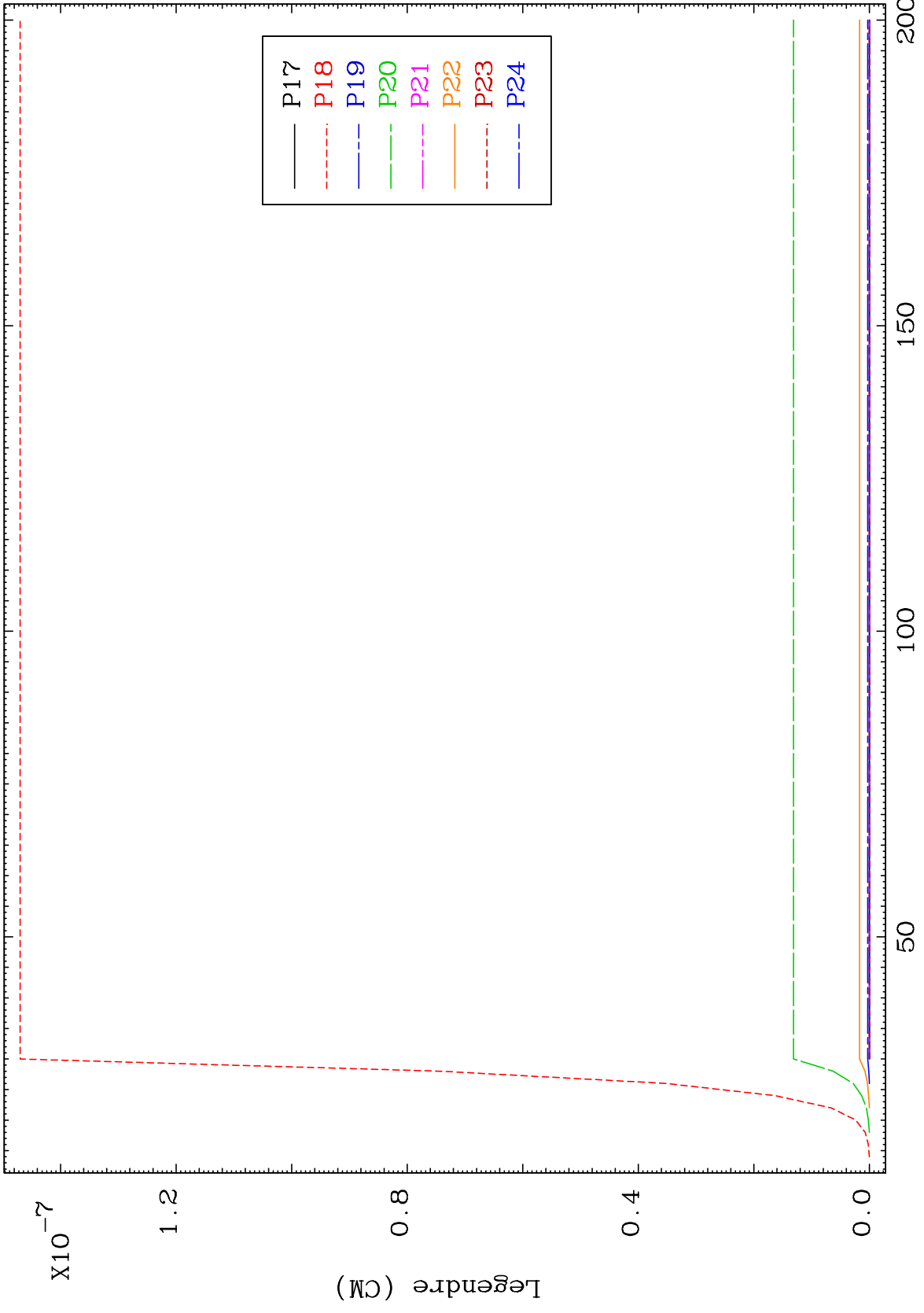


72

Incident Energy (MeV)

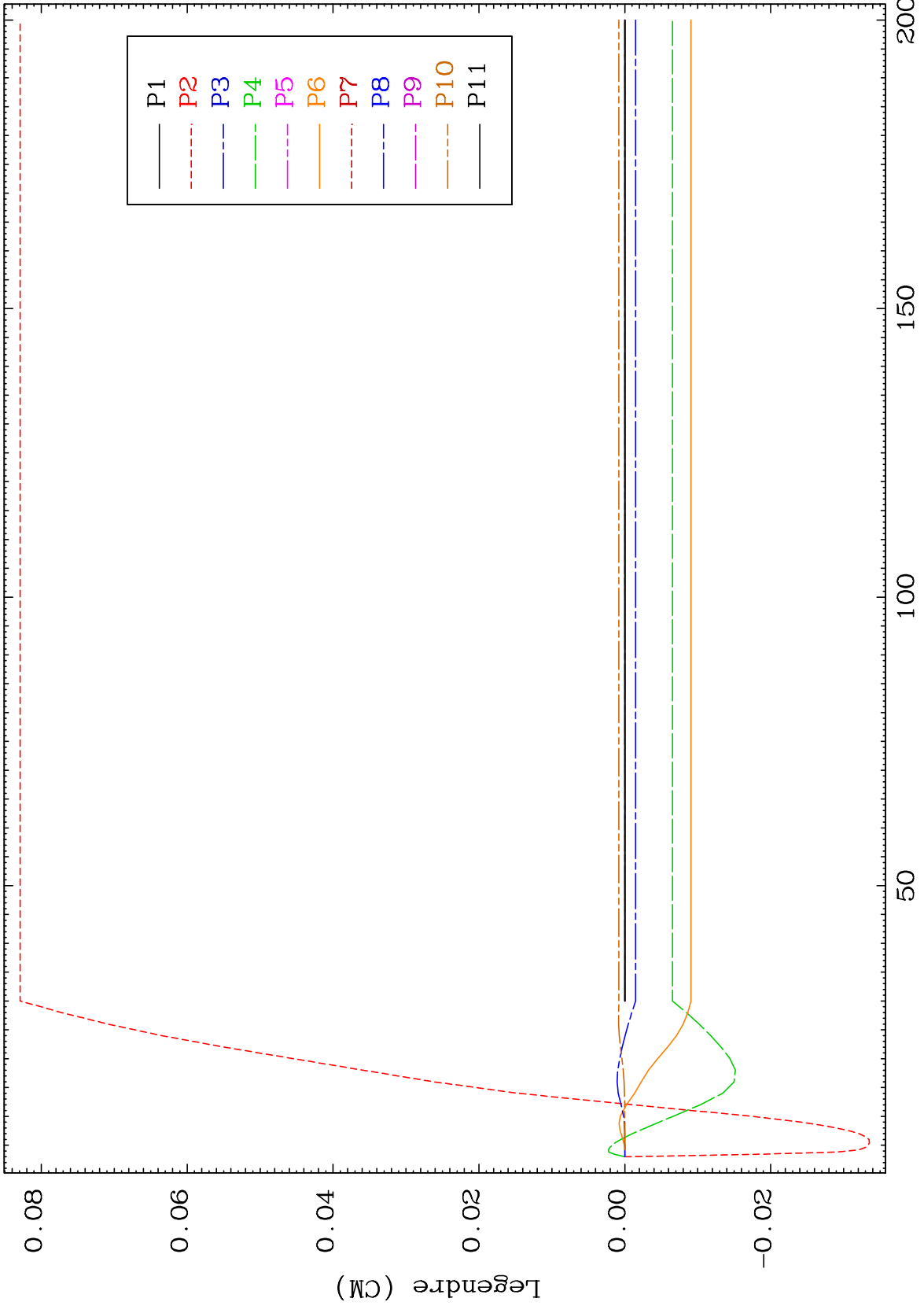
26-Fe-53

MAT 2622 MT= 69 (n,n') Level Legendre Coefficients 26-Fe-53



73 26-Fe-53

MAT 2622 MT= 70 (n,n') Level Legendre Coefficients 26-Fe-53

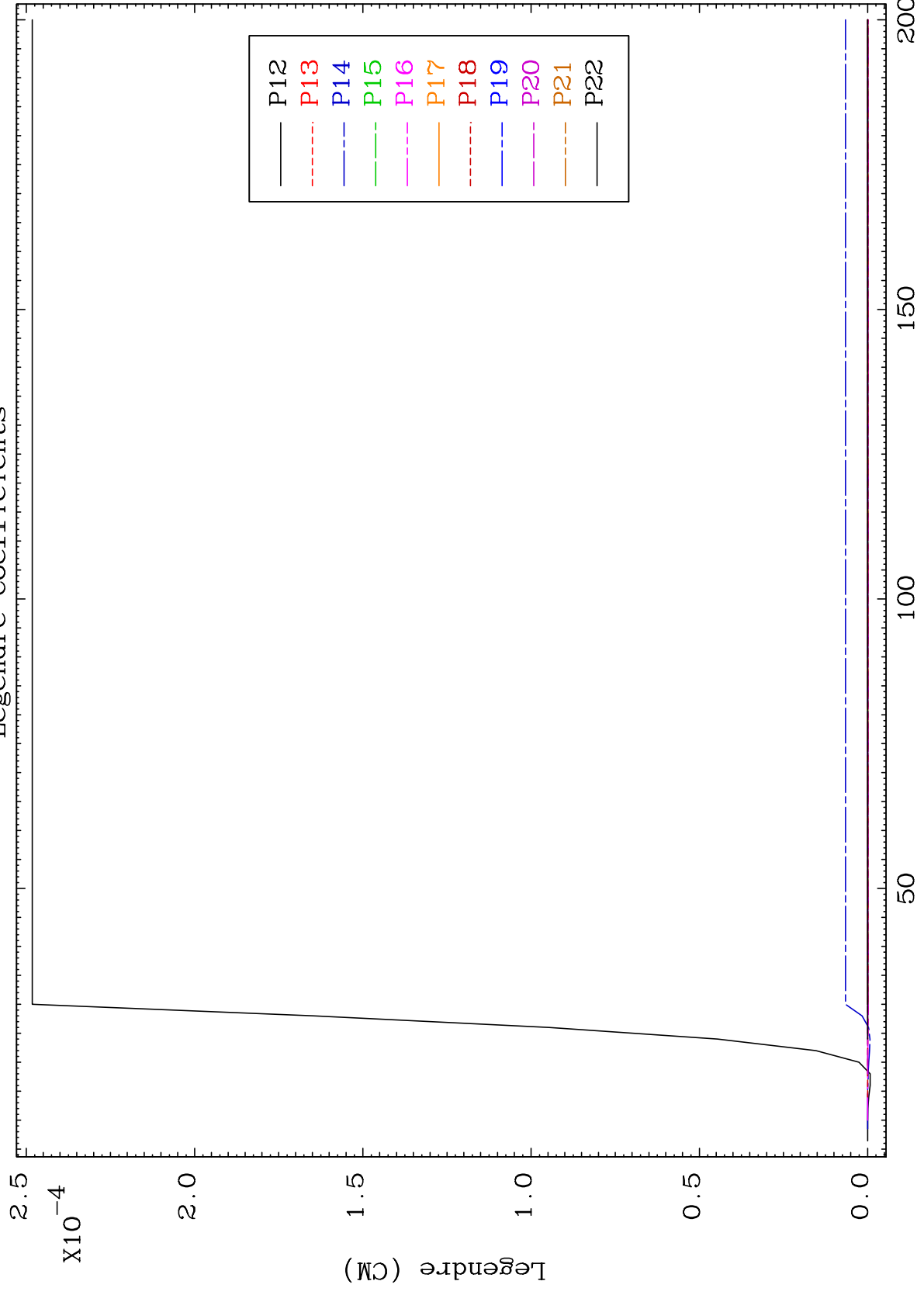


74 26-Fe-53

MAT 2622

MT= 70 (n,n') Level  
Legendre Coefficients

26-Fe-53



75

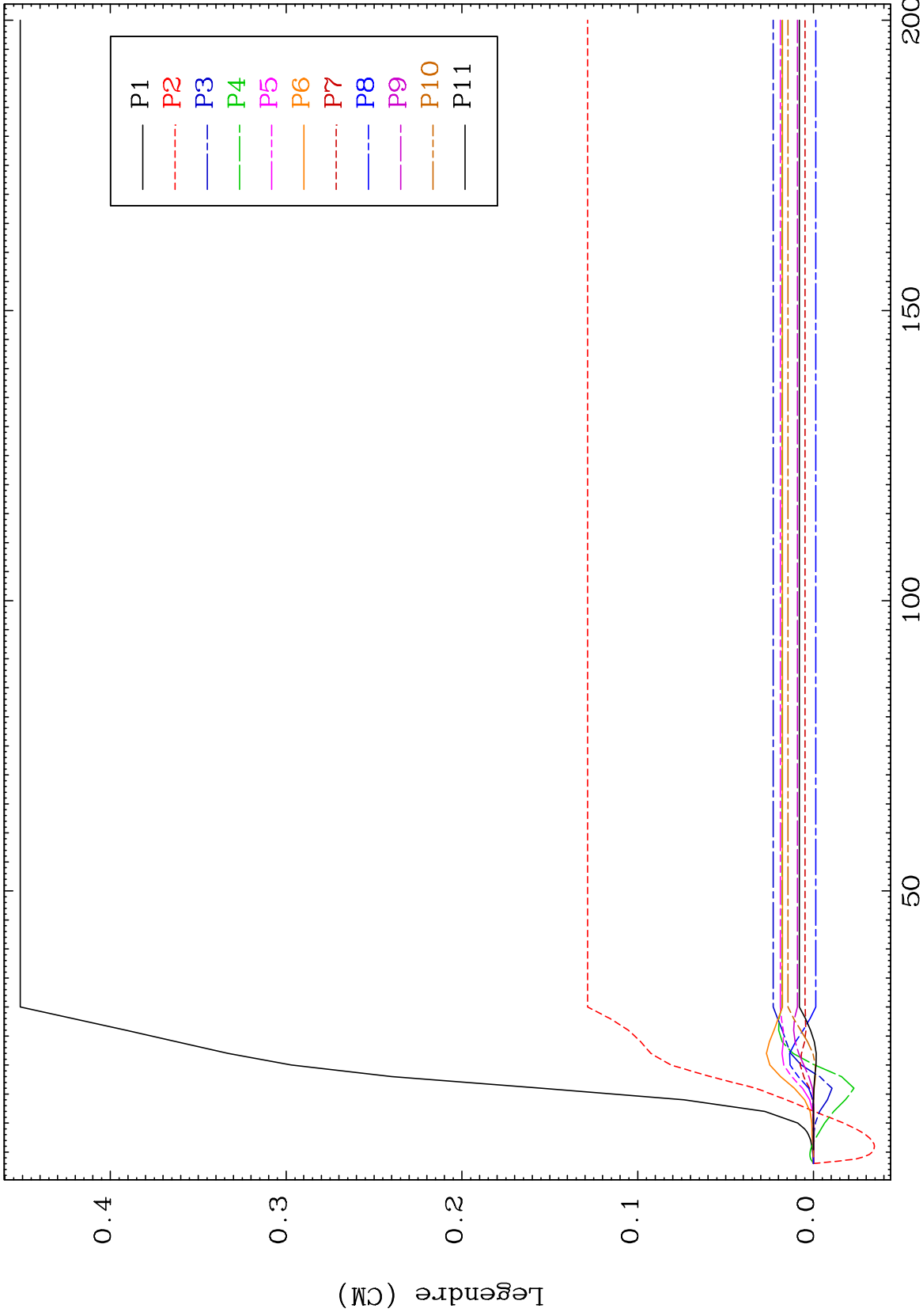
Incident Energy (MeV)

26-Fe-53

MAT 2622

MT= 71 (n,n') Level  
Legendre Coefficients

26-Fe-53



76

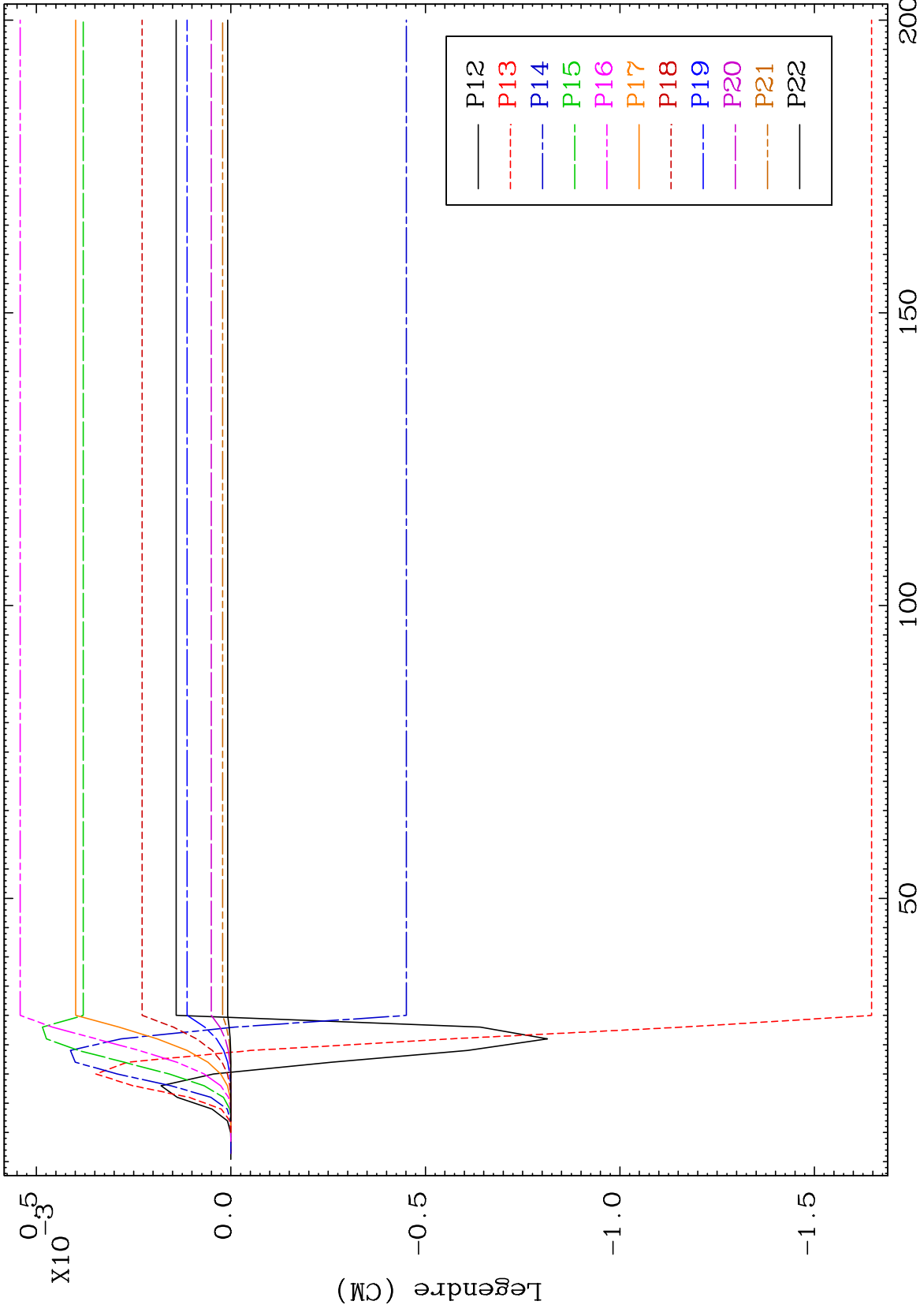
Incident Energy (MeV)

26-Fe-53

MAT 2622

MT= 71 (n,n') Level  
Legendre Coefficients

26-Fe-53



77

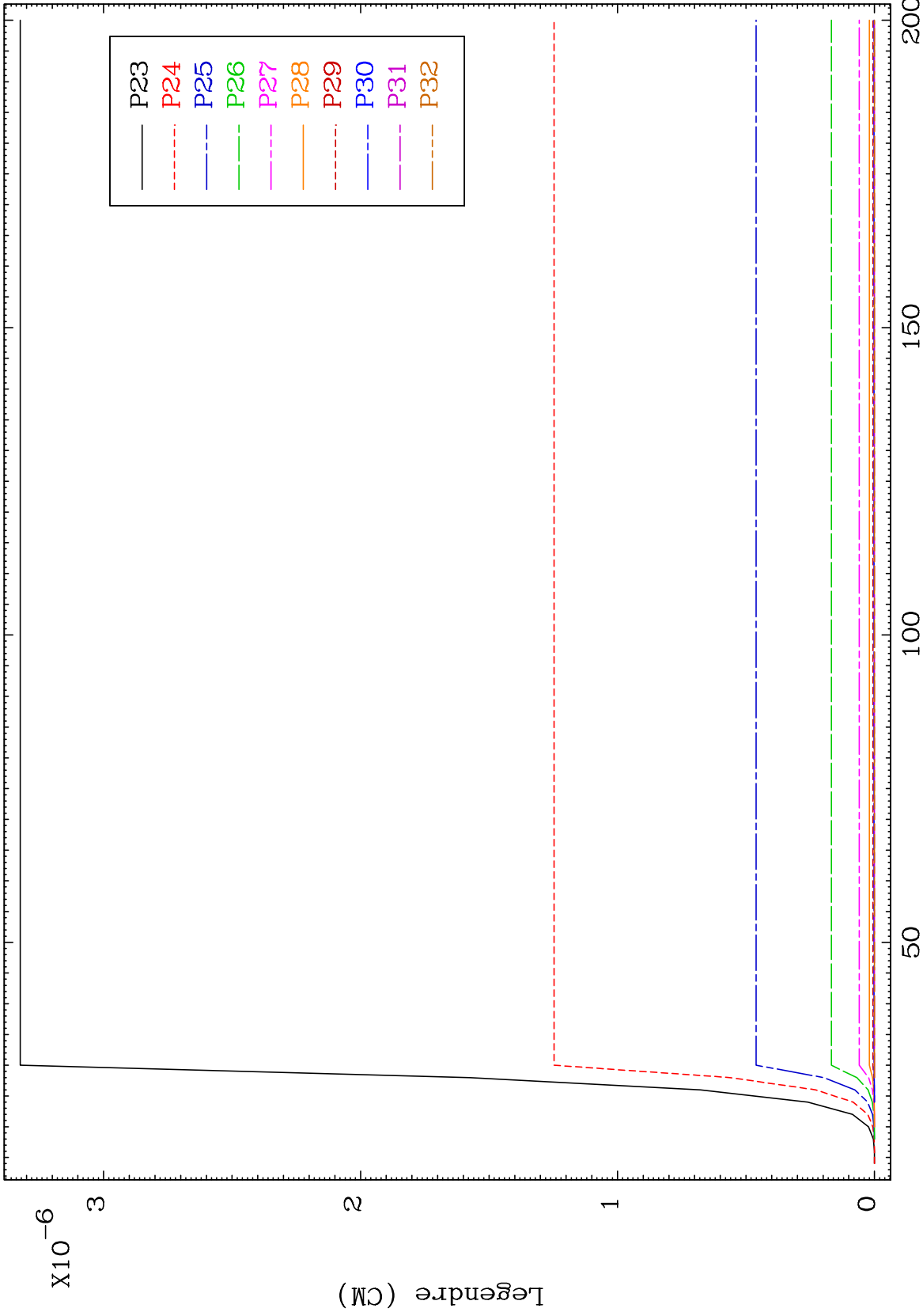
Incident Energy (MeV)

26-Fe-53

MAT 2622

MT= 71 (n,n') Level  
Legendre Coefficients

26-Fe-53



78

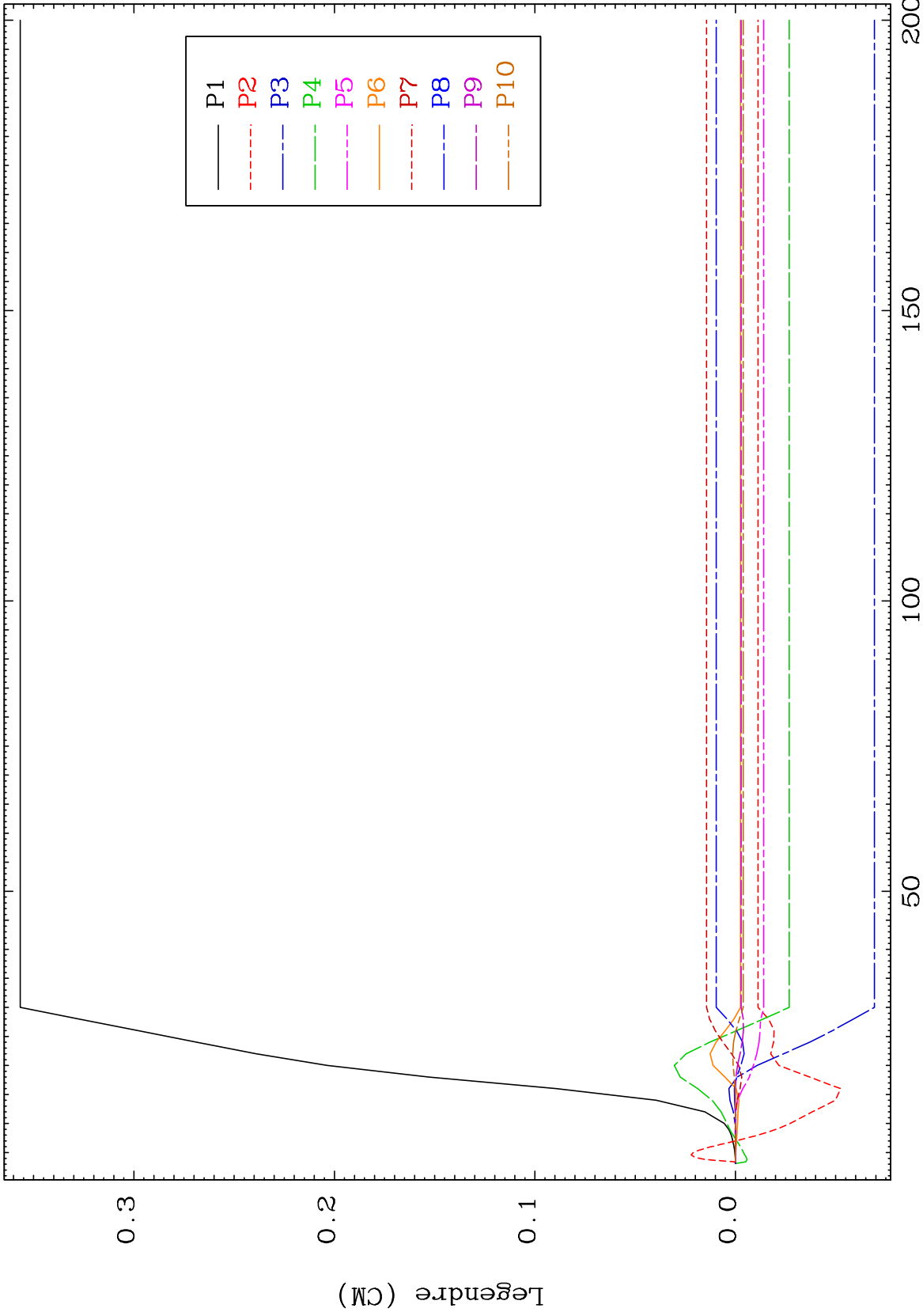
Incident Energy (MeV)

26-Fe-53

MAT 2622

MT= 72 (n,n') Level  
Legendre Coefficients

26-Fe-53



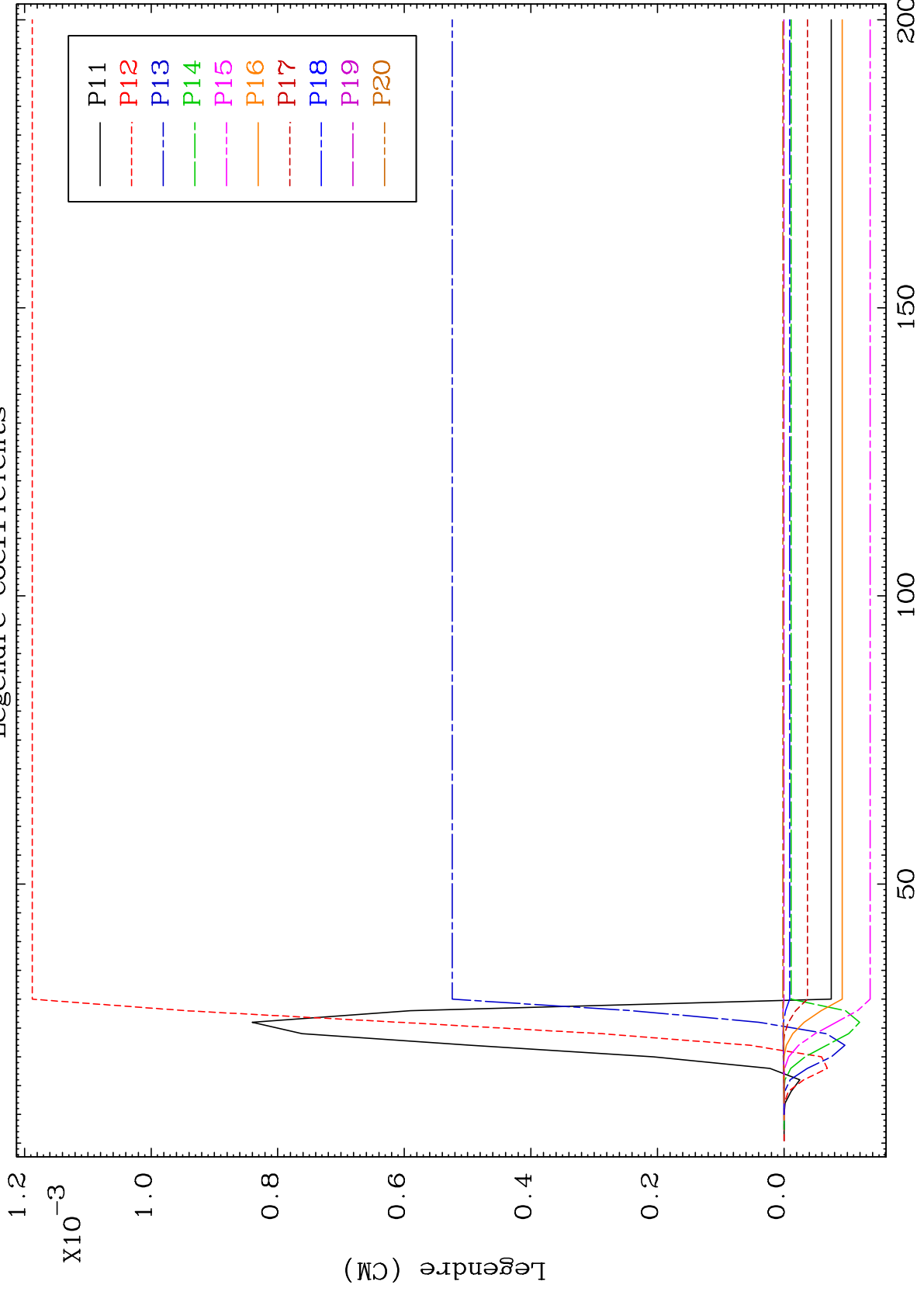
79

Incident Energy (MeV)

26-Fe-53



MAT 2622 MT= 72 (n,n') Level Legendre Coefficients 26-Fe-53

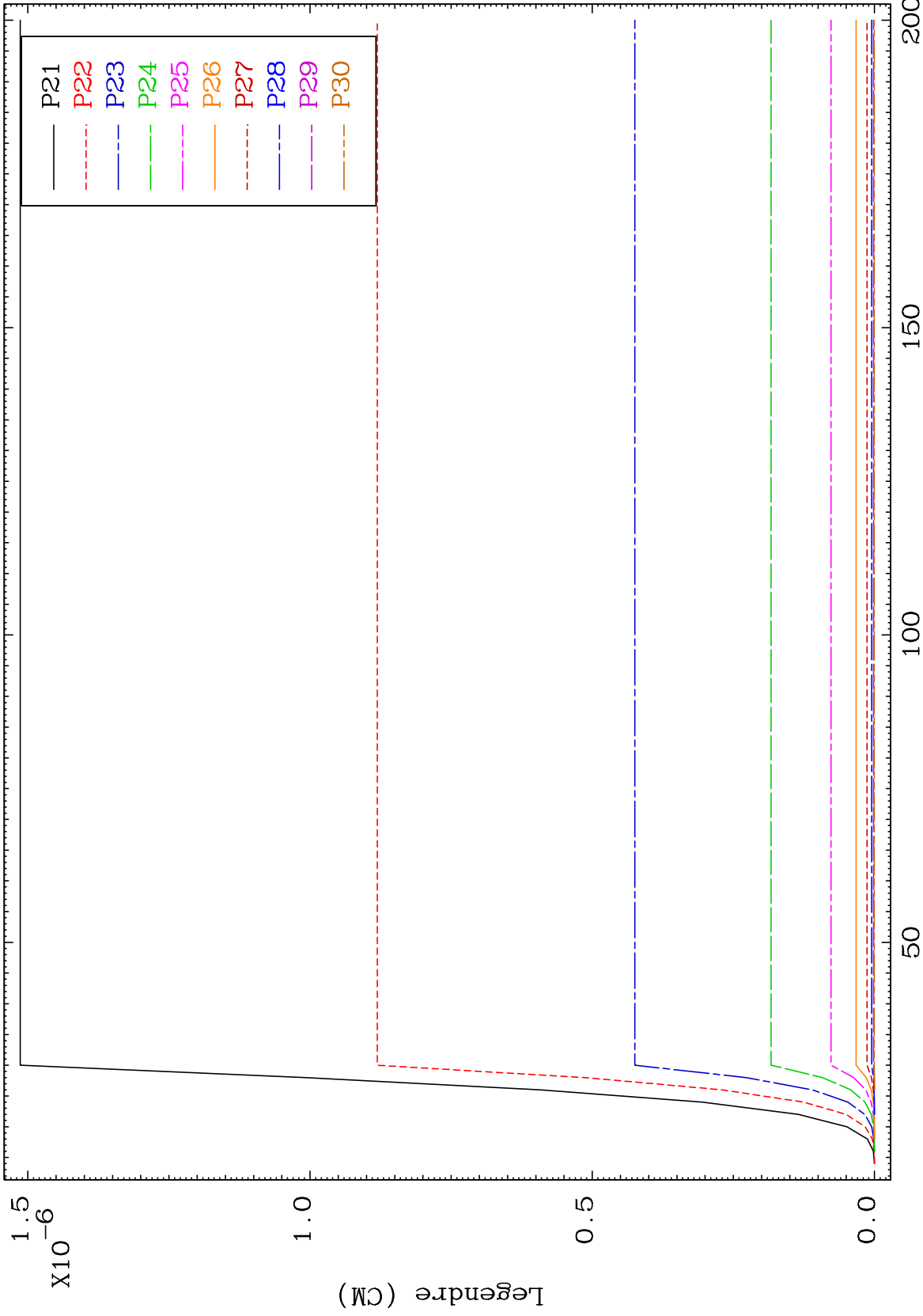


80 50 100 150 200 26-Fe-53

MAT 2622

MT= 72 (n,n') Level  
Legendre Coefficients

26-Fe-53



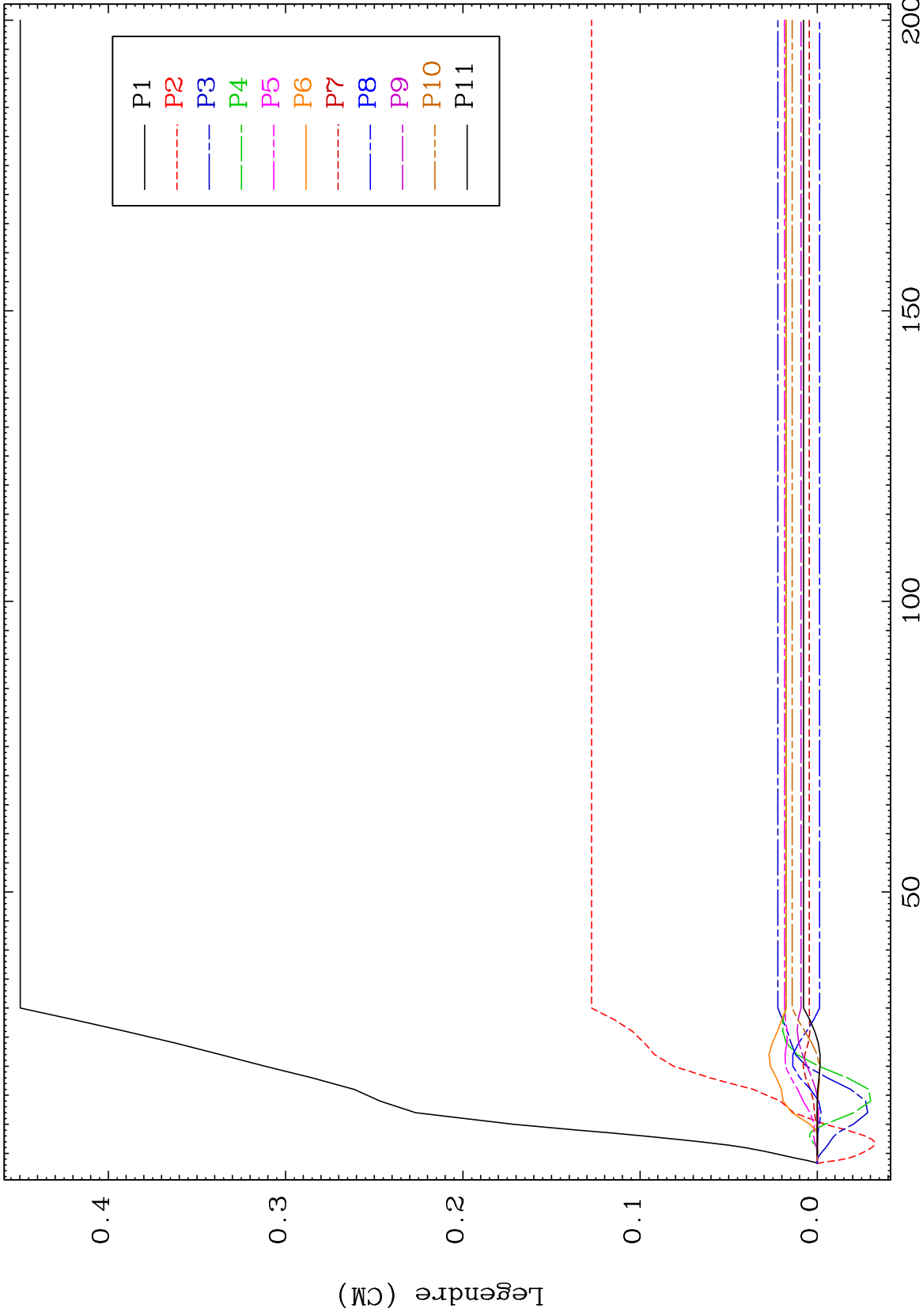
81

26-Fe-53

MAT 2622

MT= 73 (n,n') Level  
Legendre Coefficients

26-Fe-53



82

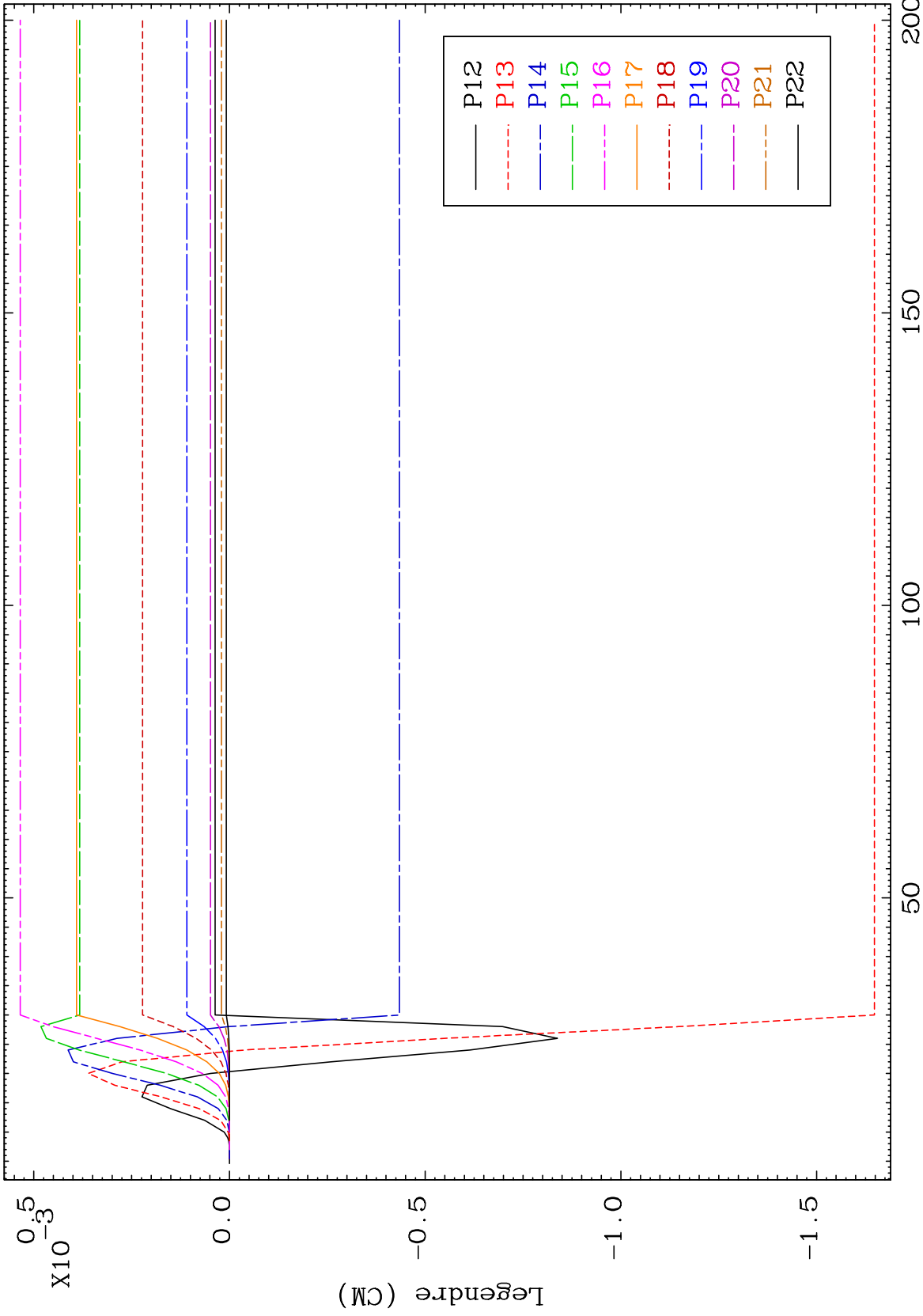
Incident Energy (MeV)

26-Fe-53

MAT 2622

MT= 73 (n,n') Level  
Legendre Coefficients

26-Fe-53



83

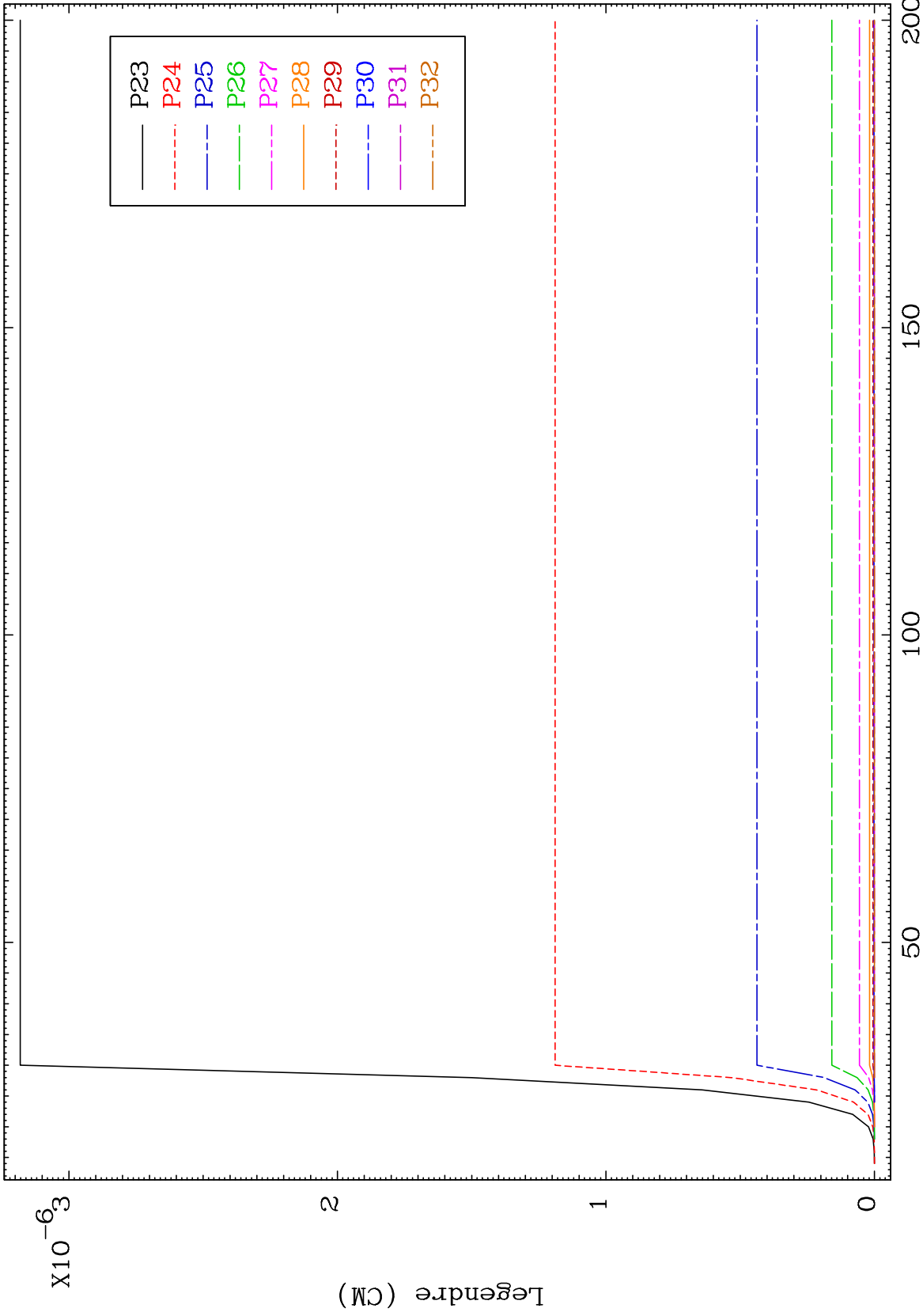
Incident Energy (MeV)

26-Fe-53

MAT 2622

MT= 73 (n,n') Level  
Legendre Coefficients

26-Fe-53



84

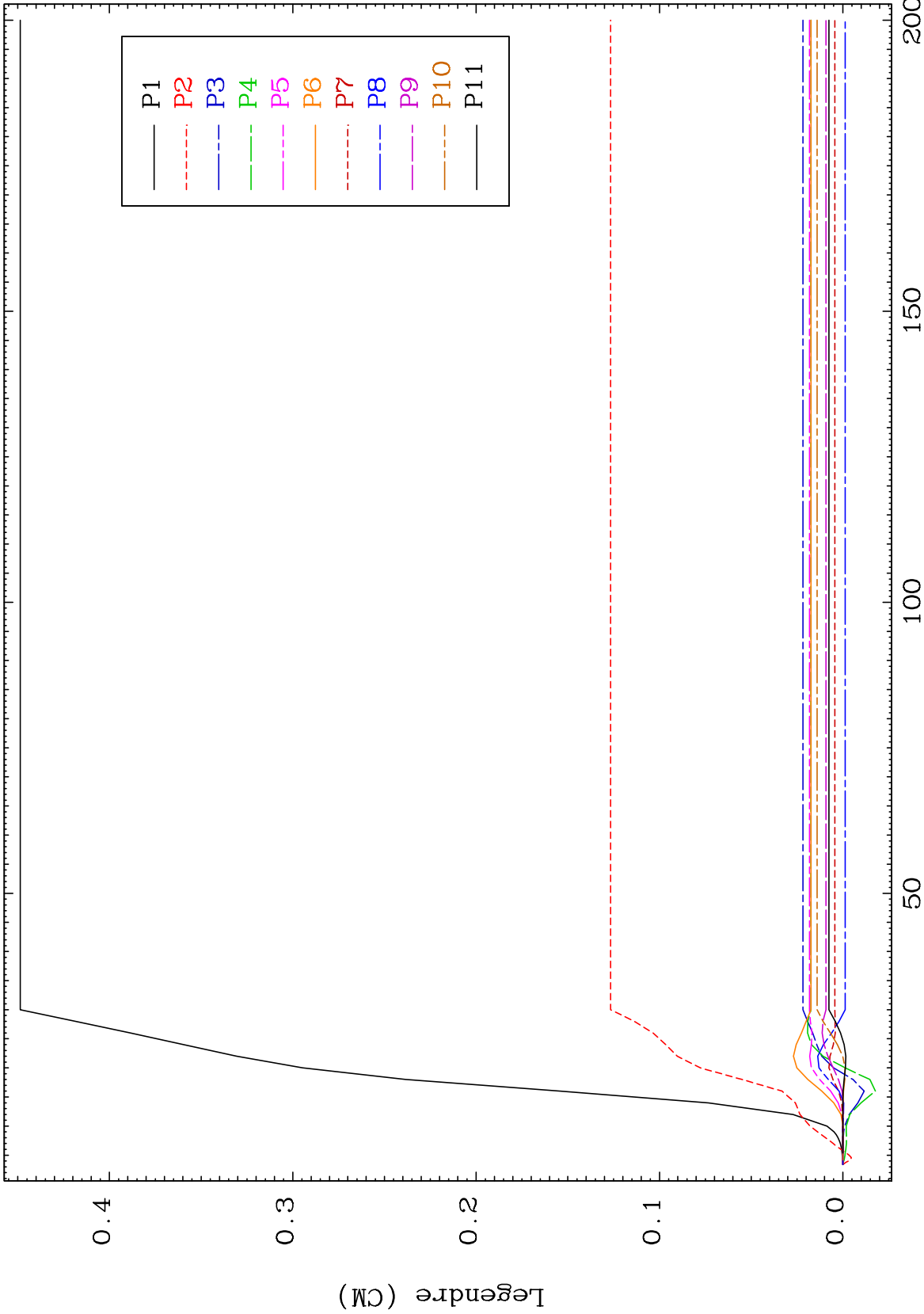
Incident Energy (MeV)

26-Fe-53

MAT 2622

MT= 74 (n,n') Level  
Legendre Coefficients

26-Fe-53



85

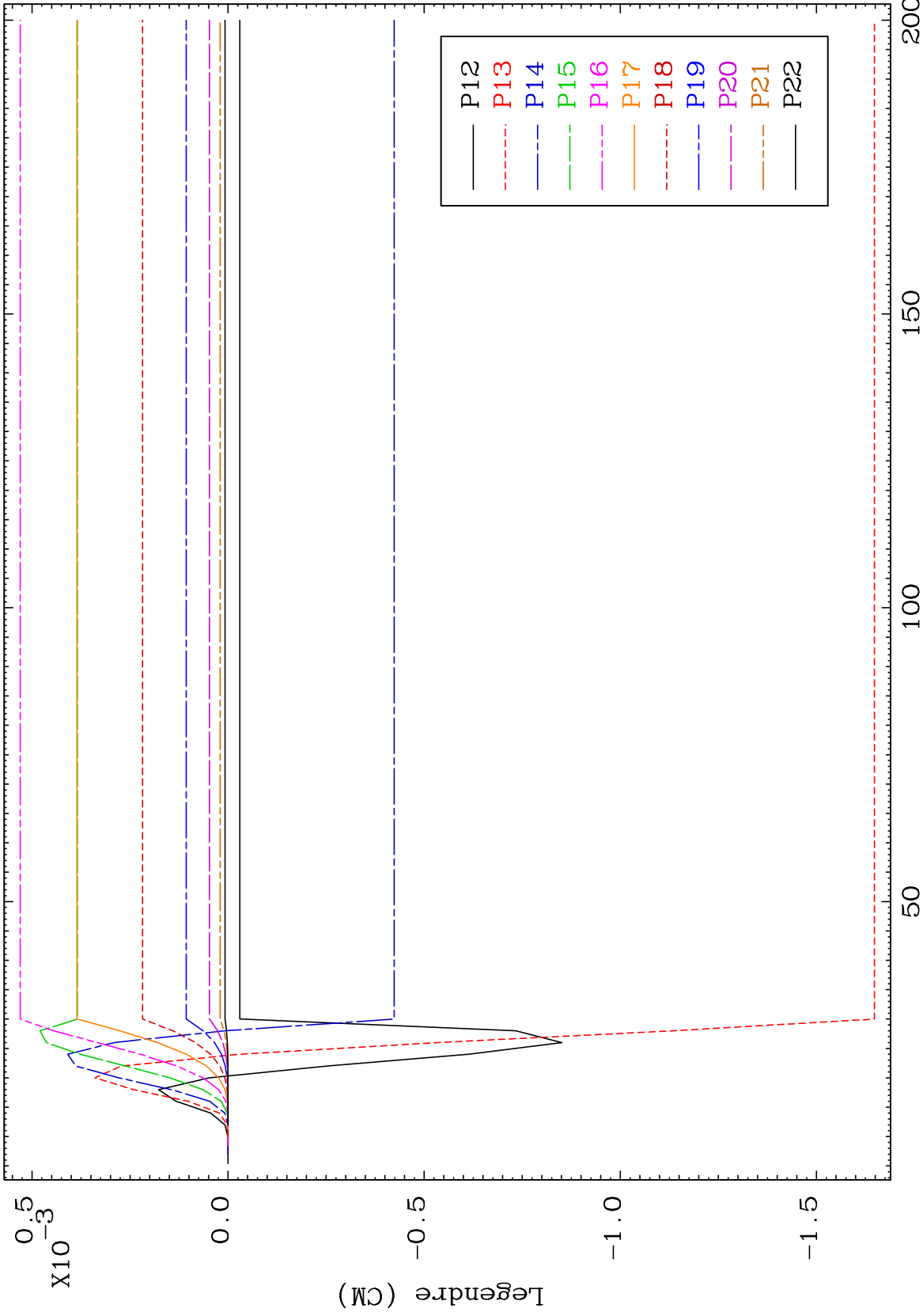
Incident Energy (MeV)

26-Fe-53

MAT 2622

MT= 74 (n,n') Level  
Legendre Coefficients

26-Fe-53



86

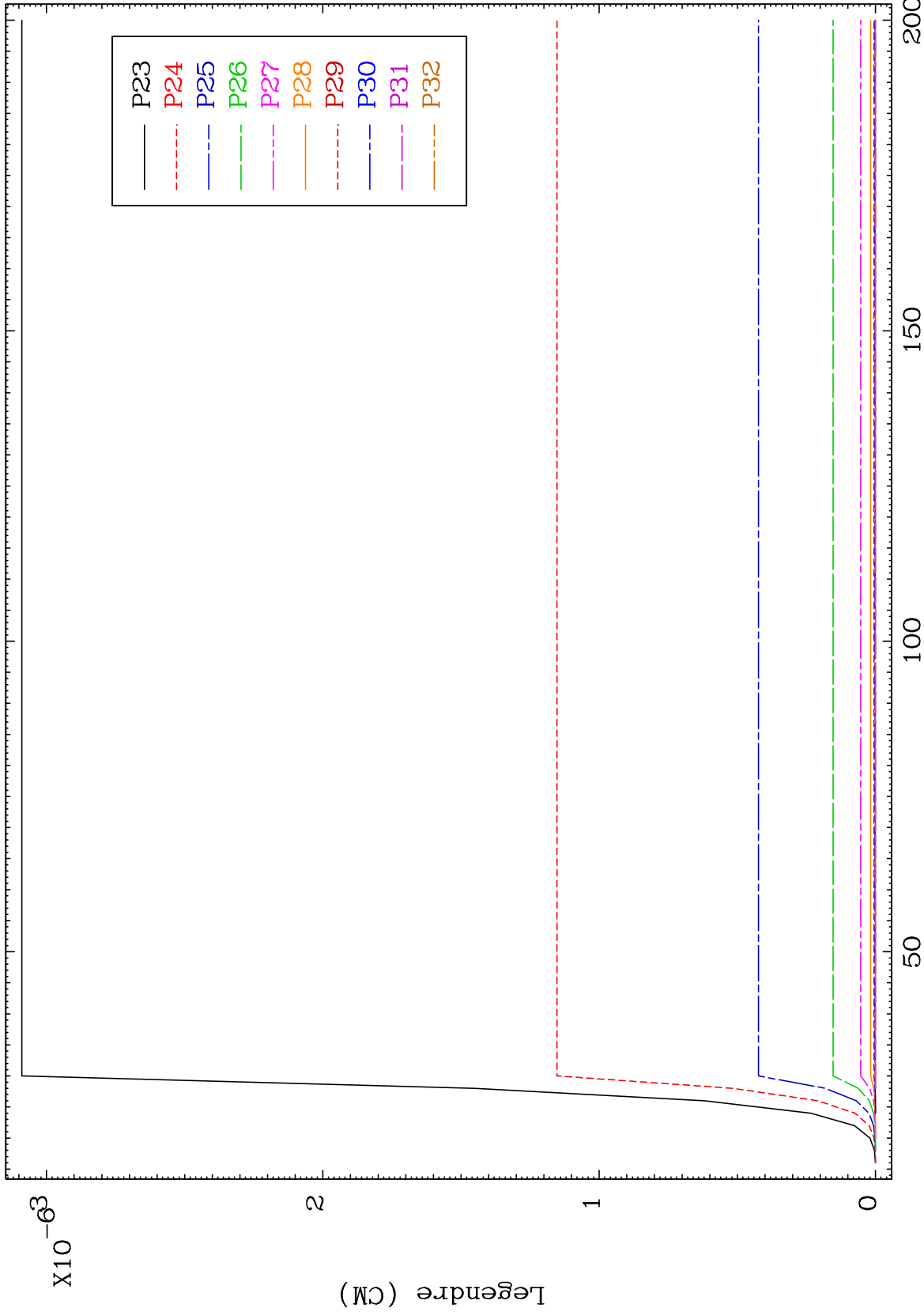
Incident Energy (MeV)

26-Fe-53

MAT 2622

MT= 74 (n,n') Level  
Legendre Coefficients

26-Fe-53



87

Incident Energy (MeV)

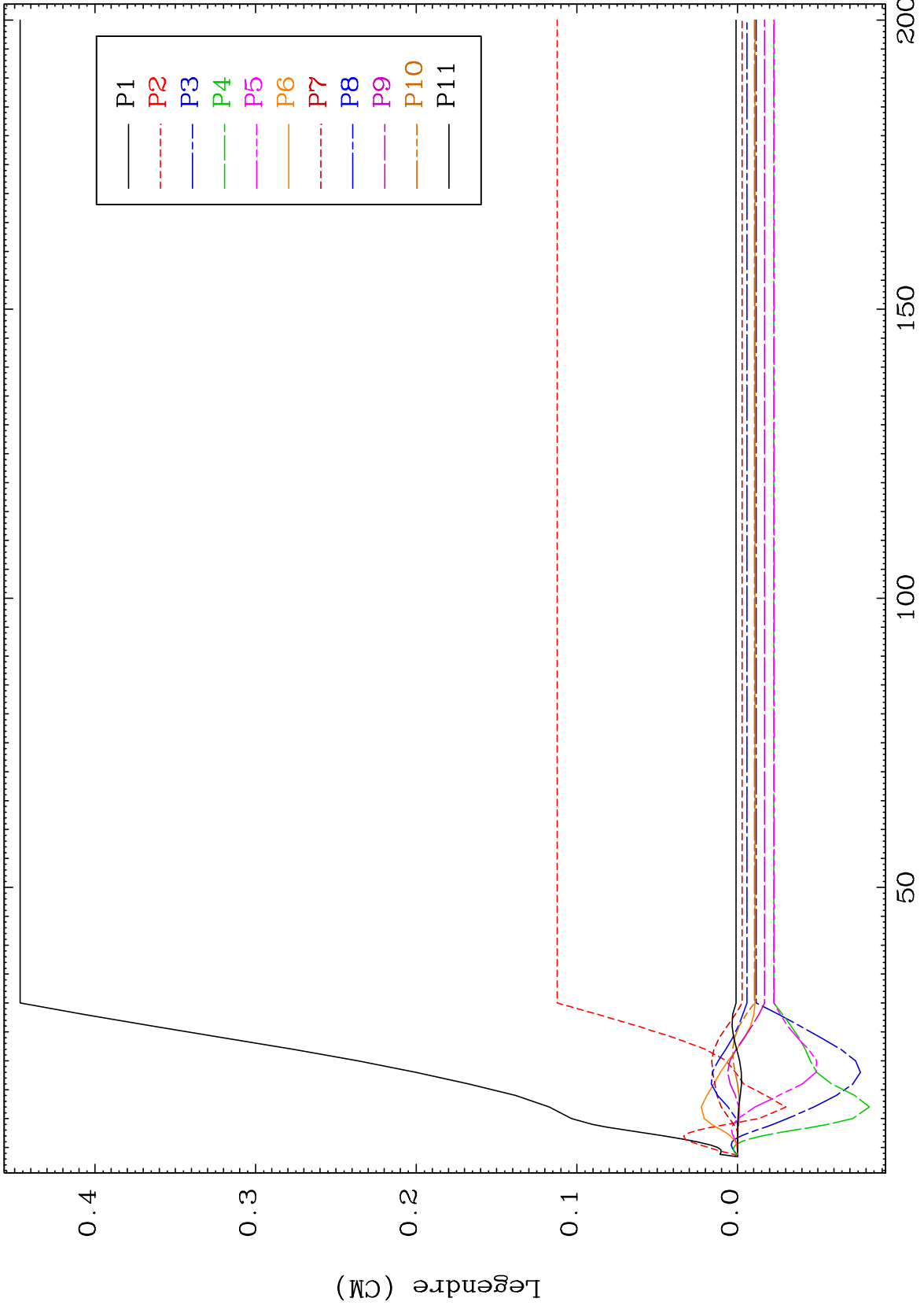
26-Fe-53



MAT 2622

MT= 75 (n,n') Level  
Legendre Coefficients

26-Fe-53



88

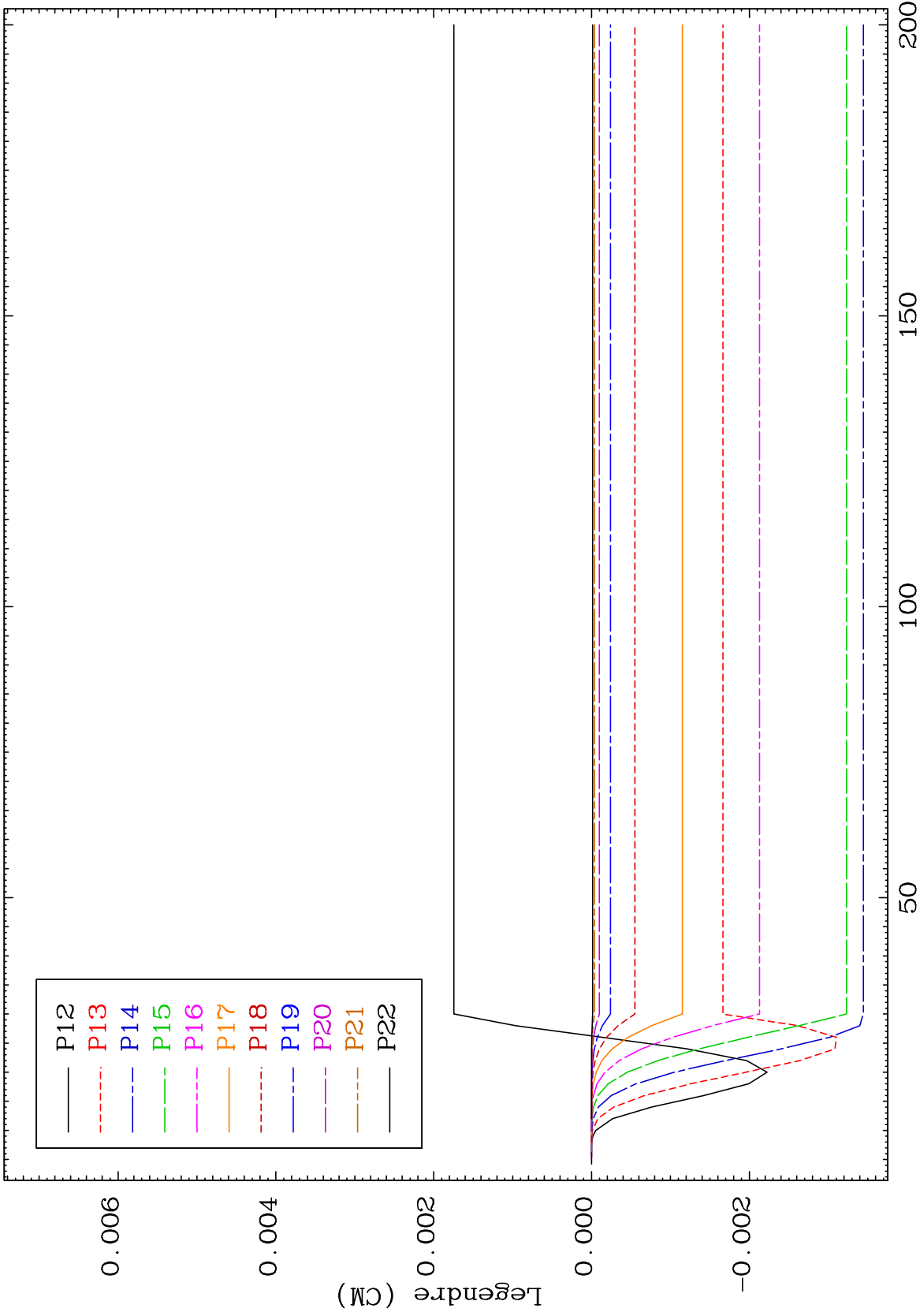
Incident Energy (MeV)

26-Fe-53

MAT 2622

MT= 75 (n,n') Level  
Legendre Coefficients

26-Fe-53

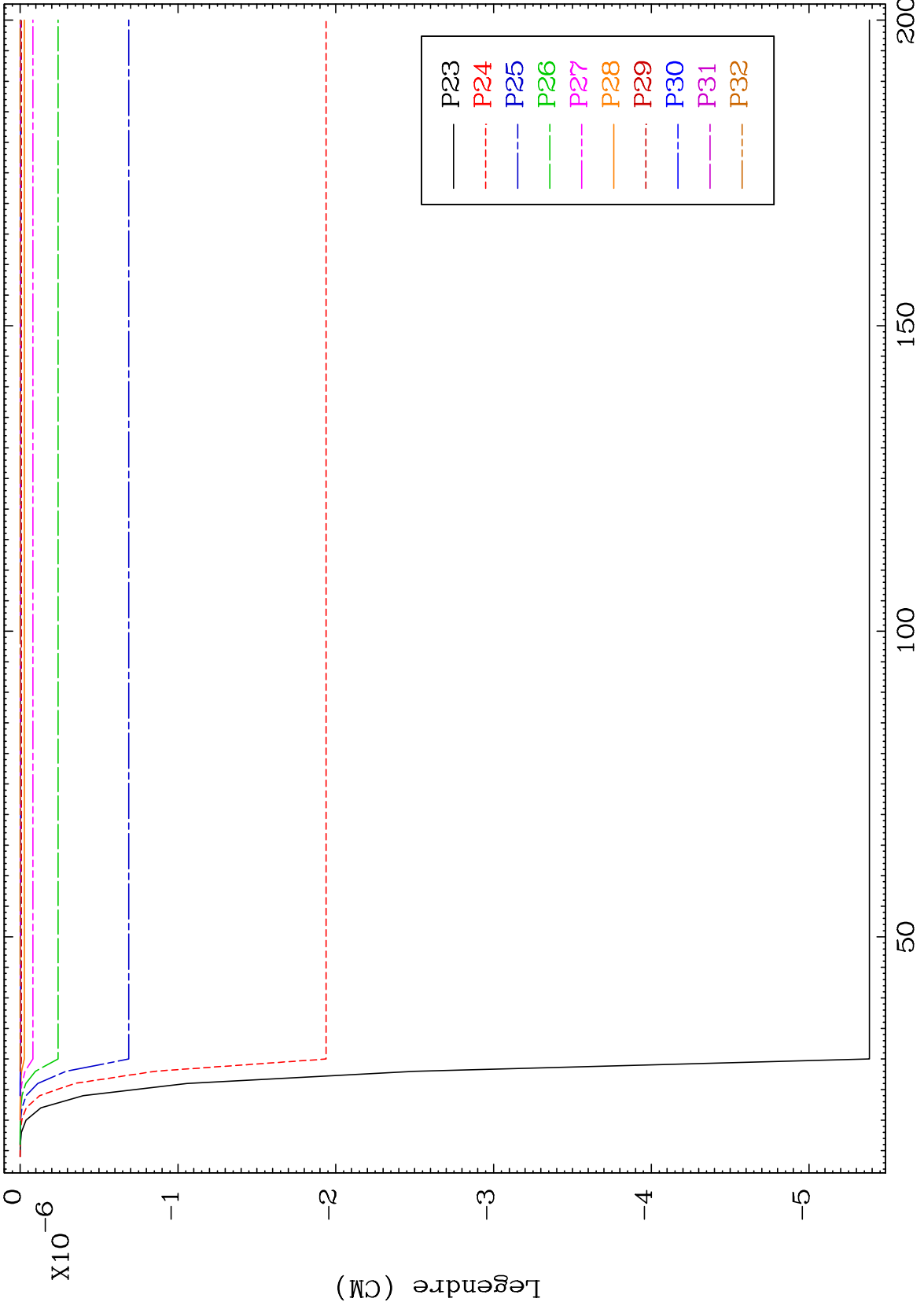


89

Incident Energy (MeV)

26-Fe-53

MAT 2622 MT= 75 (n,n') Level Legendre Coefficients 26-Fe-53

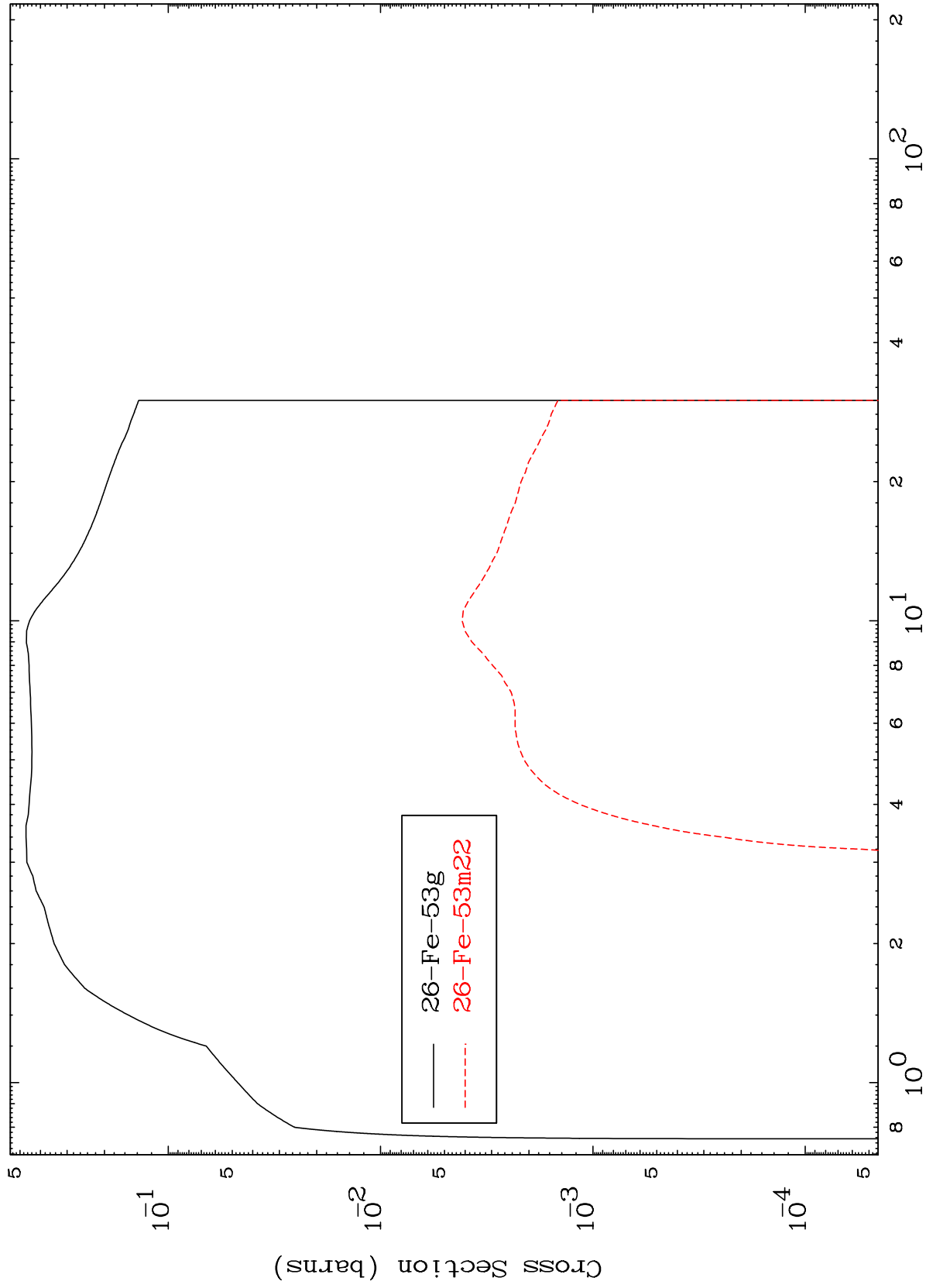


90 50 100 150 200 Incident Energy (MeV) 26-Fe-53

MAT 2622

<sup>26</sup>Fe-53

### Inelastic Radionuclide Production Cross Section



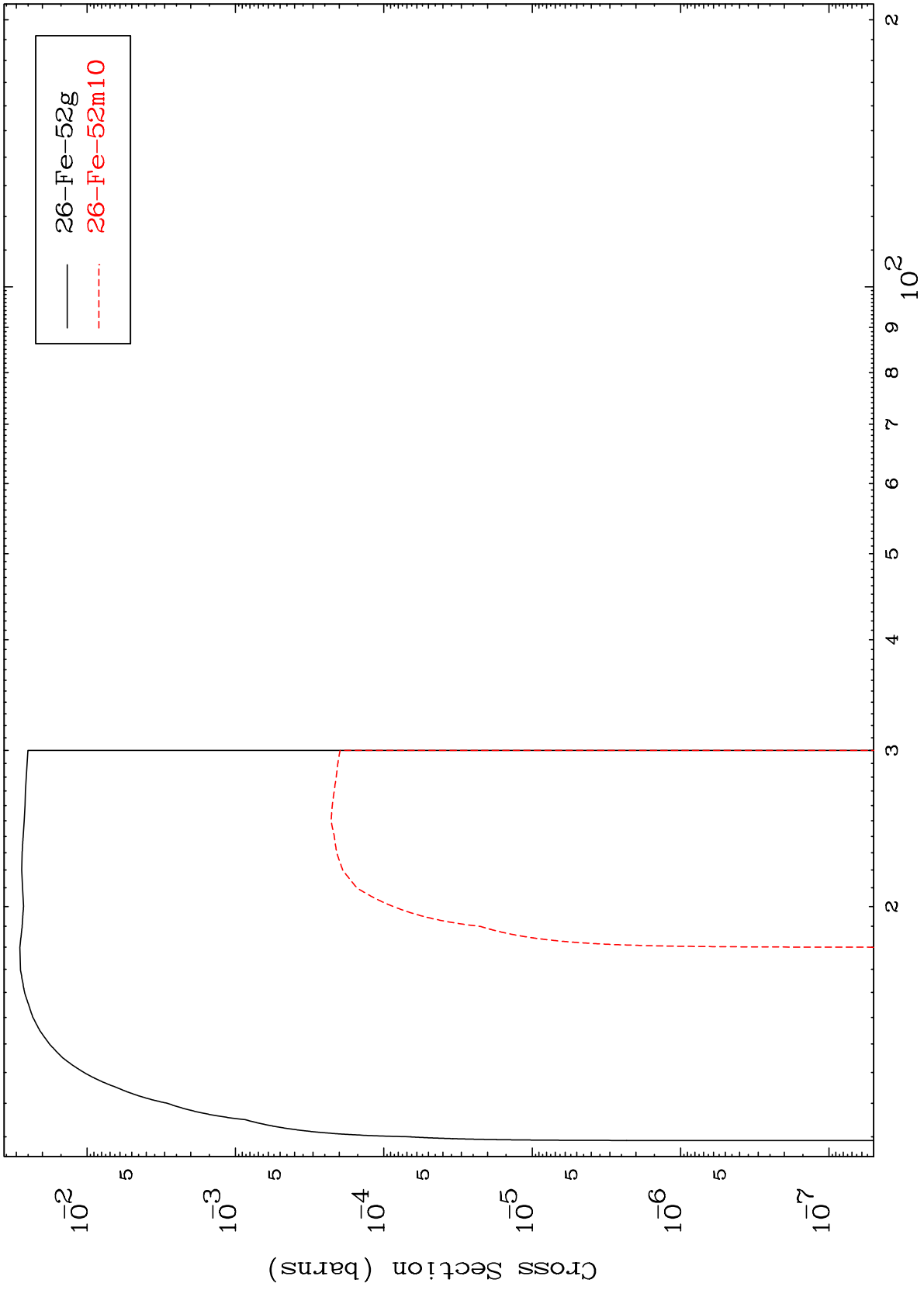
91

<sup>26</sup>Fe-53

MAT 2622

<sup>26</sup>Fe-53

(n,2n)  
Radionuclide Production Cross Section



— <sup>26</sup>Fe-52g  
- - - <sup>26</sup>Fe-52m10

92

<sup>26</sup>Fe-53

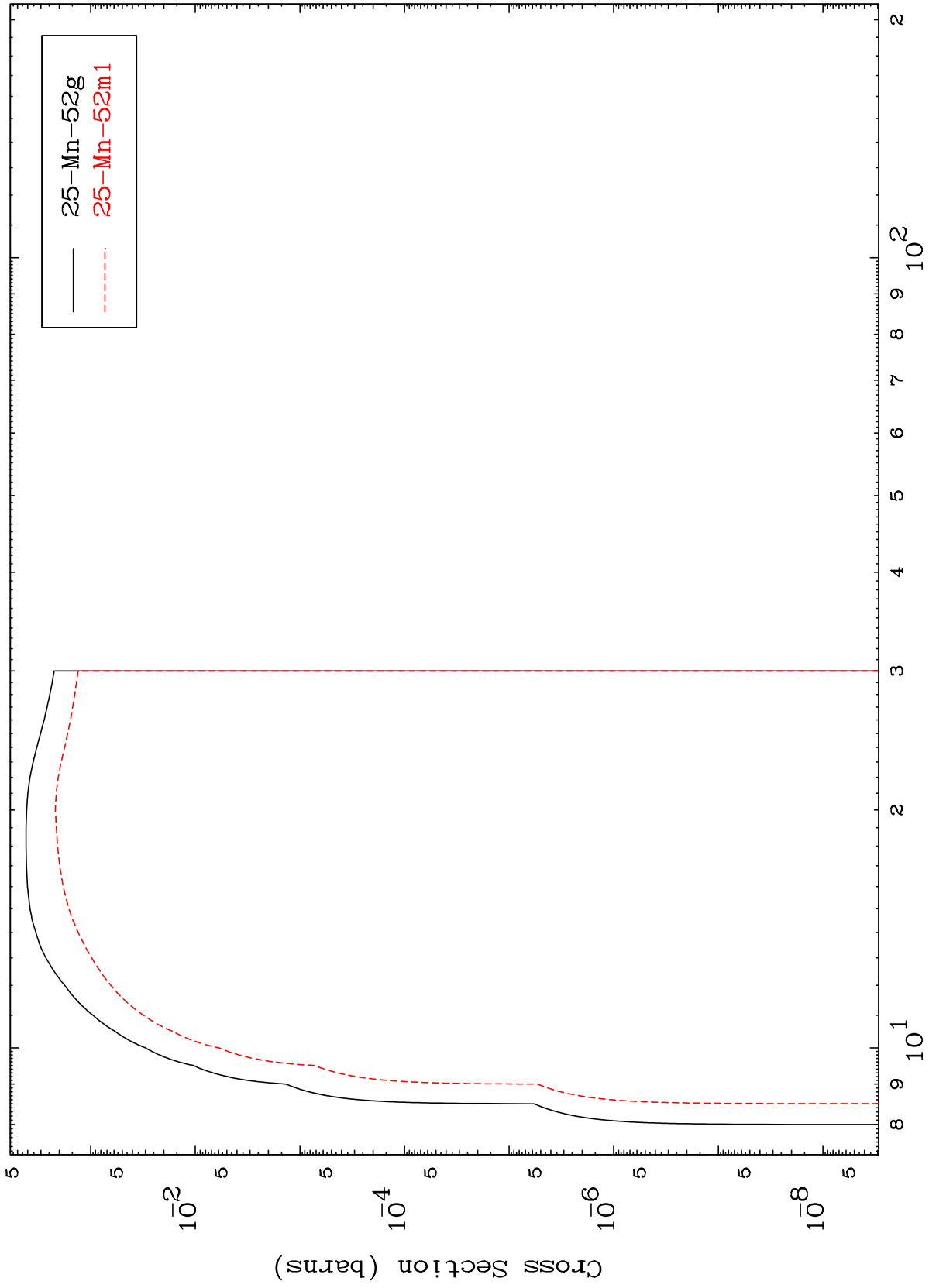
Incident Energy (MeV)

MAT 2622

(n,n') p

<sup>26</sup>Fe-53

Radionuclide Production Cross Section



93

Incident Energy (MeV)

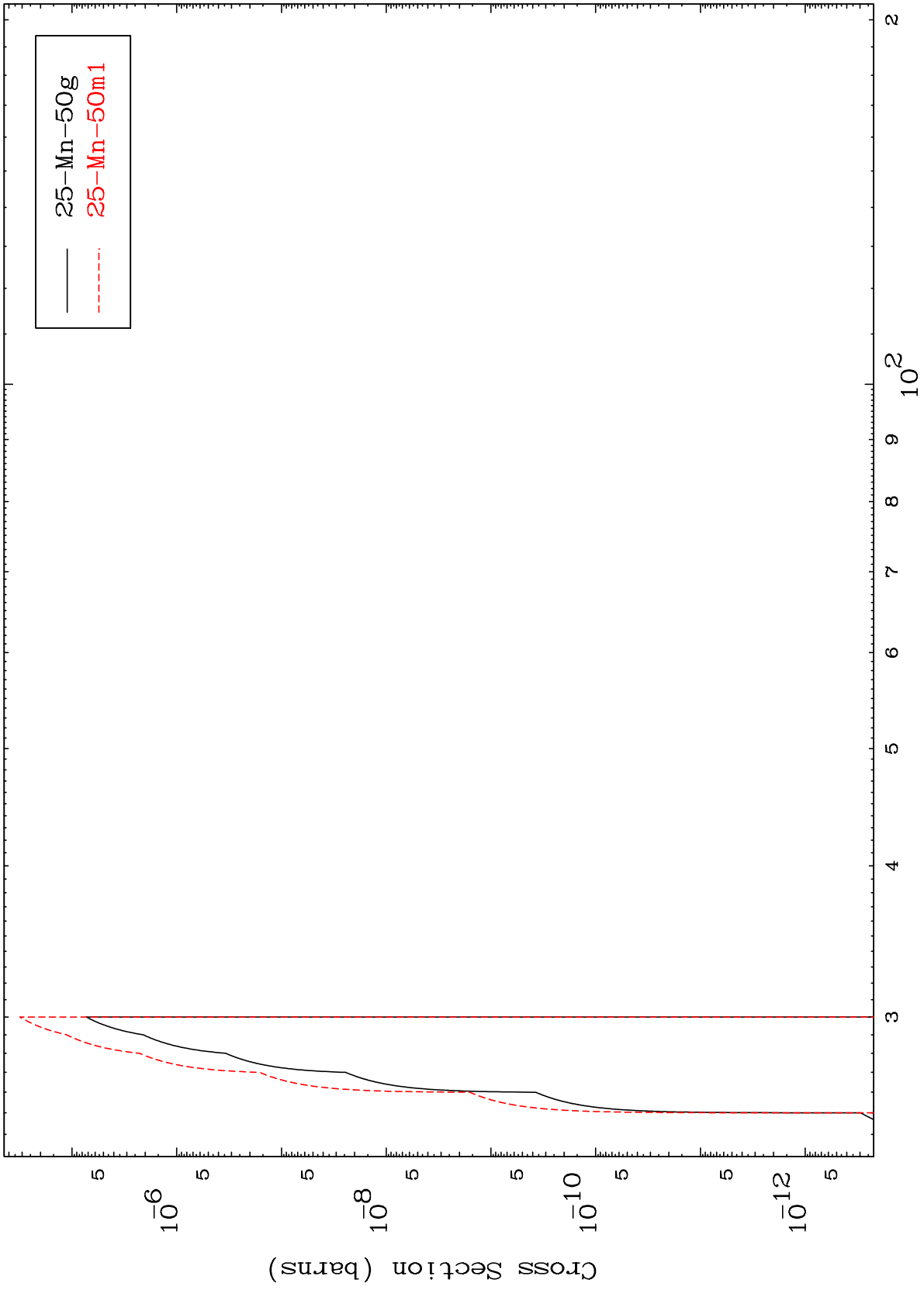
<sup>26</sup>Fe-53

MAT 2622

(n,n') t

<sup>26</sup>Fe-53

Radionuclide Production Cross Section



94

Incident Energy (MeV)

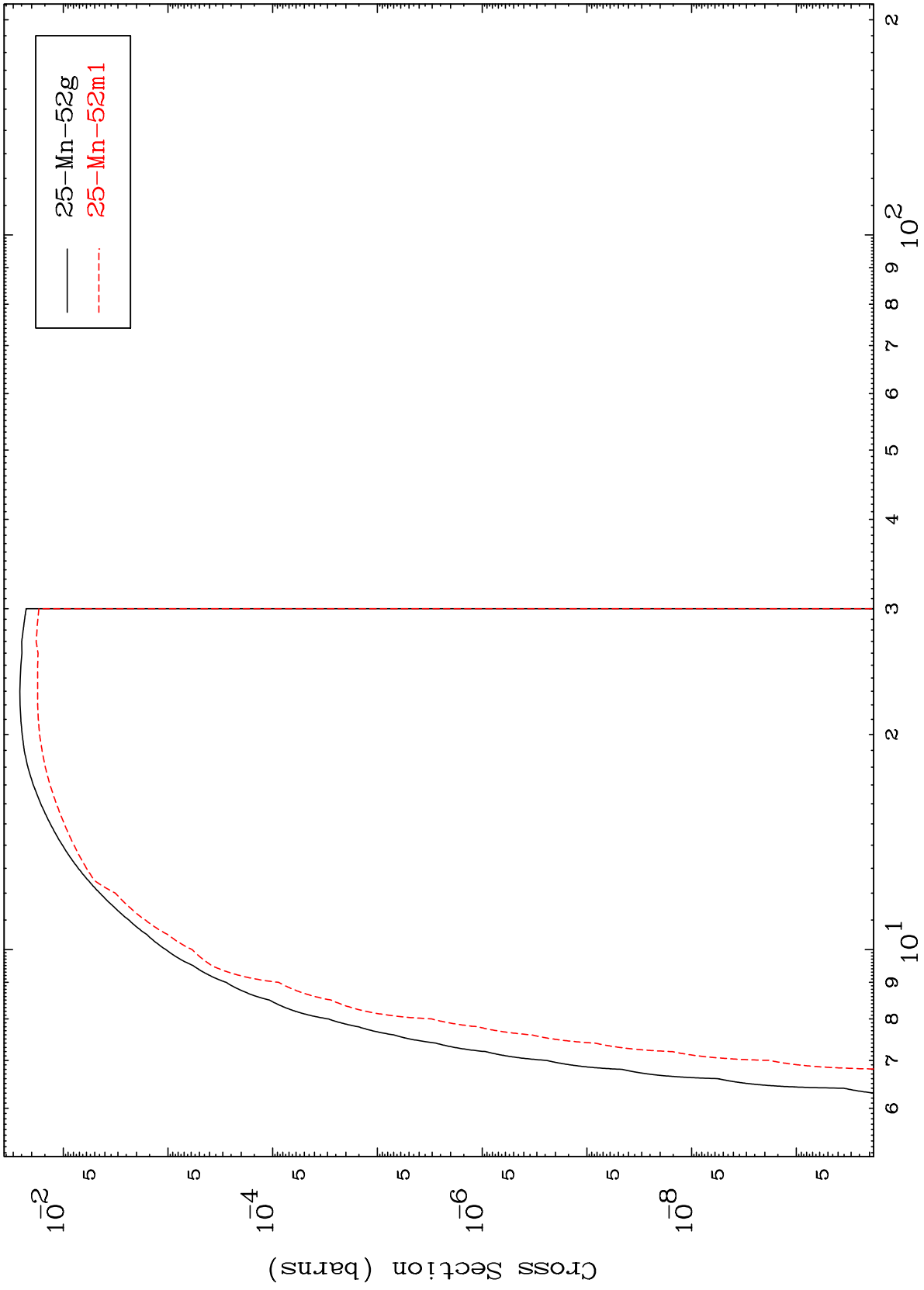
<sup>26</sup>Fe-53

MAT 2622

(n,d)

<sup>26</sup>Fe-53

Radionuclide Production Cross Section



95

Incident Energy (MeV)

<sup>26</sup>Fe-53