

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

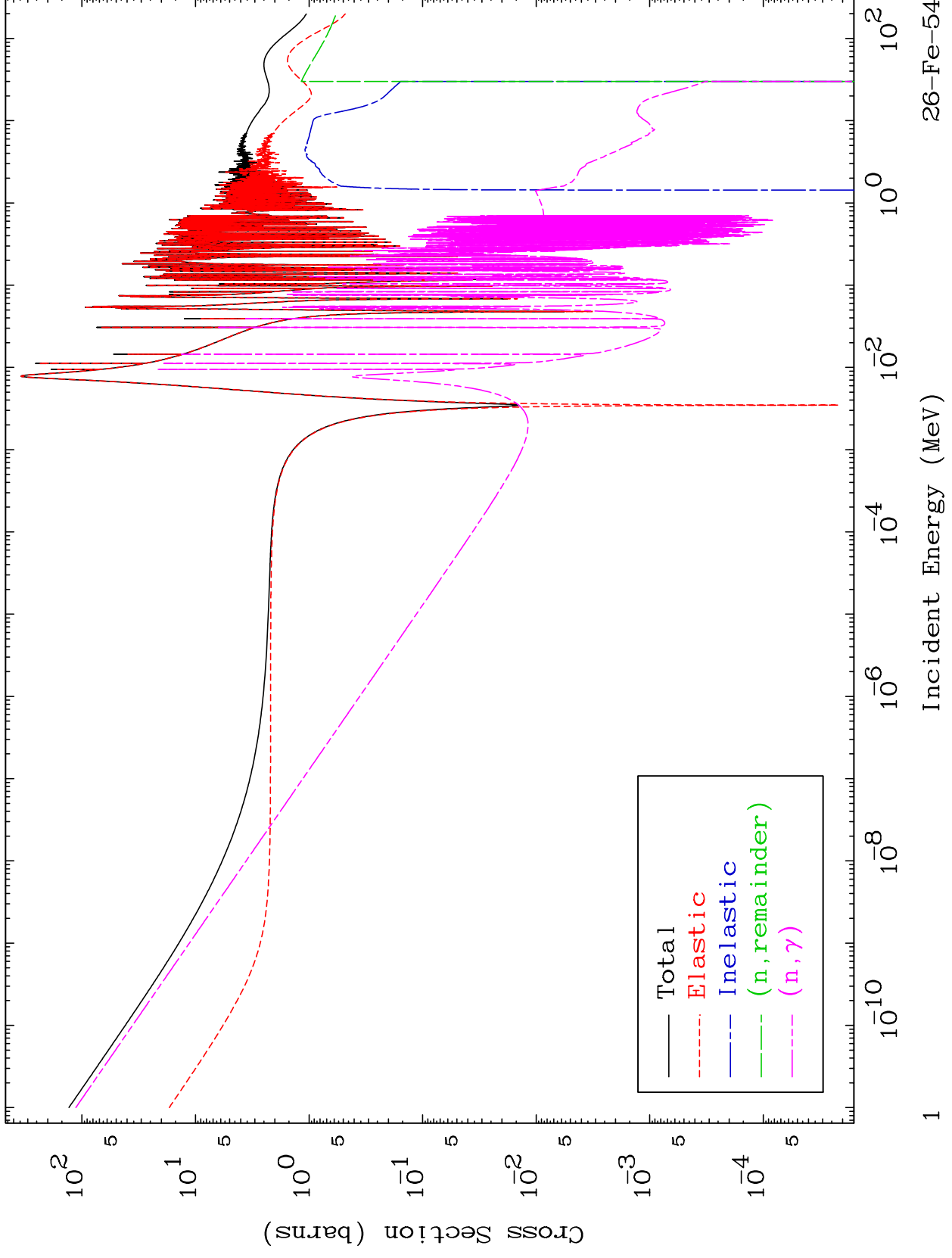
Press Mouse Button to Start

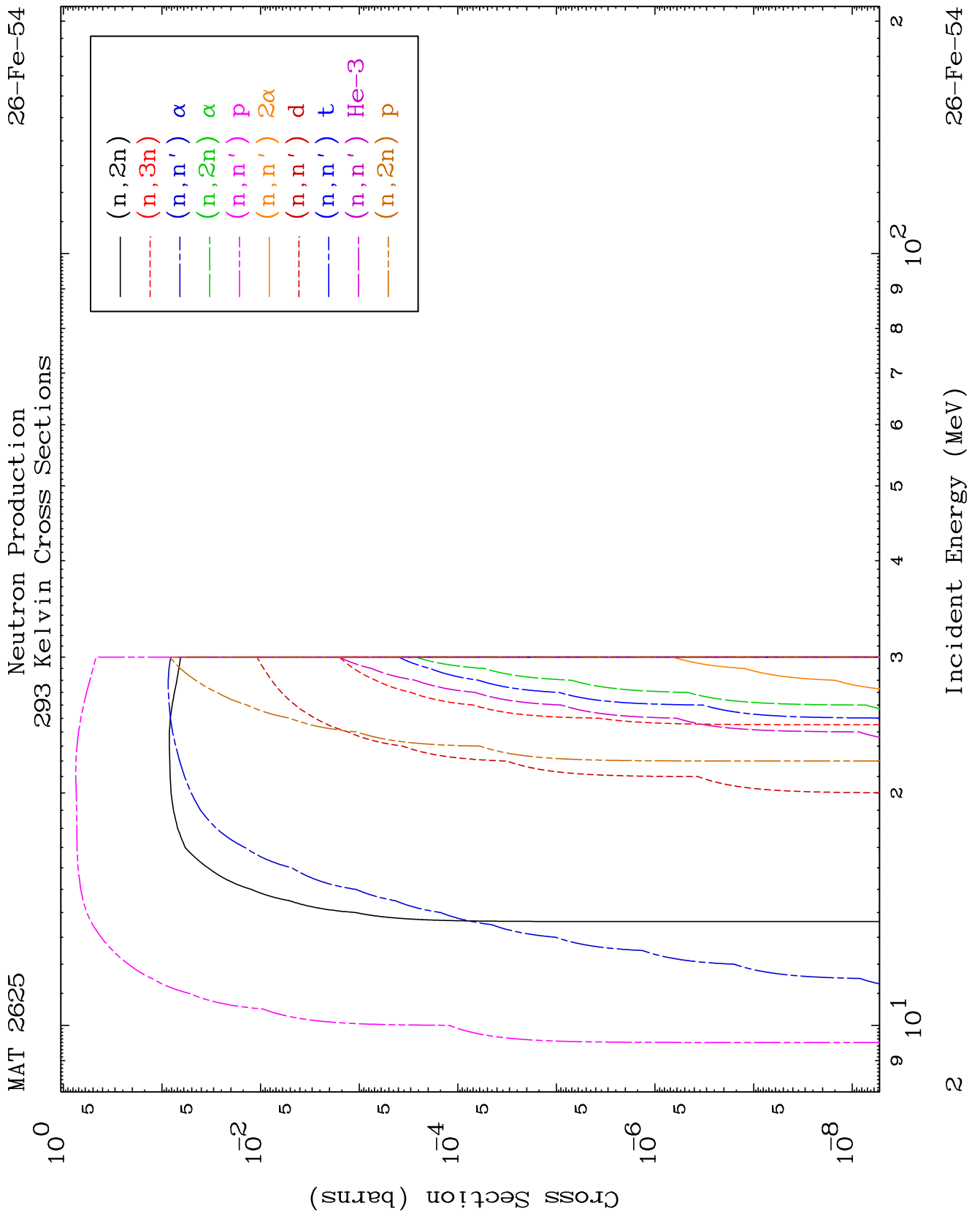
MAT 2625

Major

293 Kelvin Cross Sections

26-Fe-54



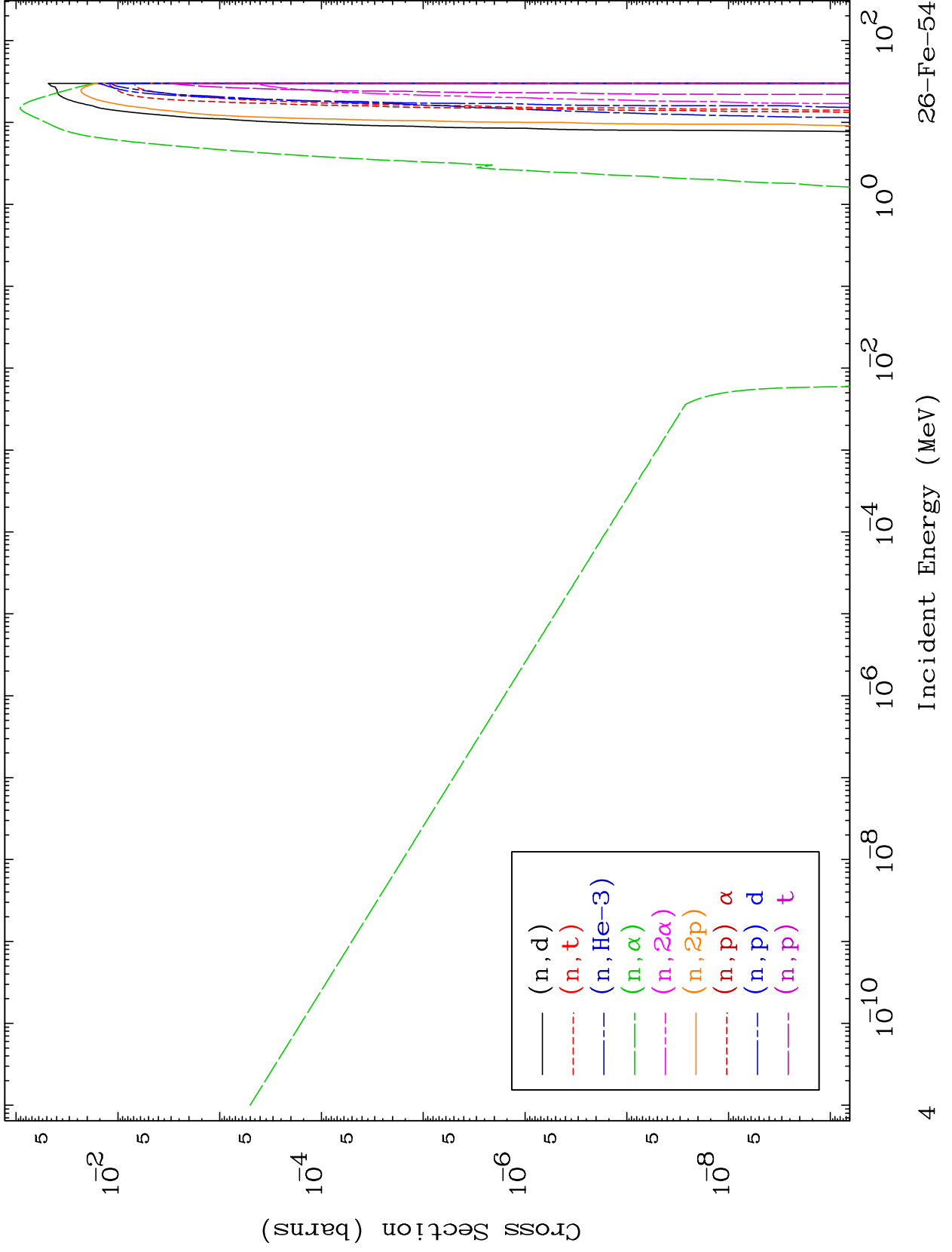




MAT 2625

Charged Particle  
293 Kelvin Cross Sections

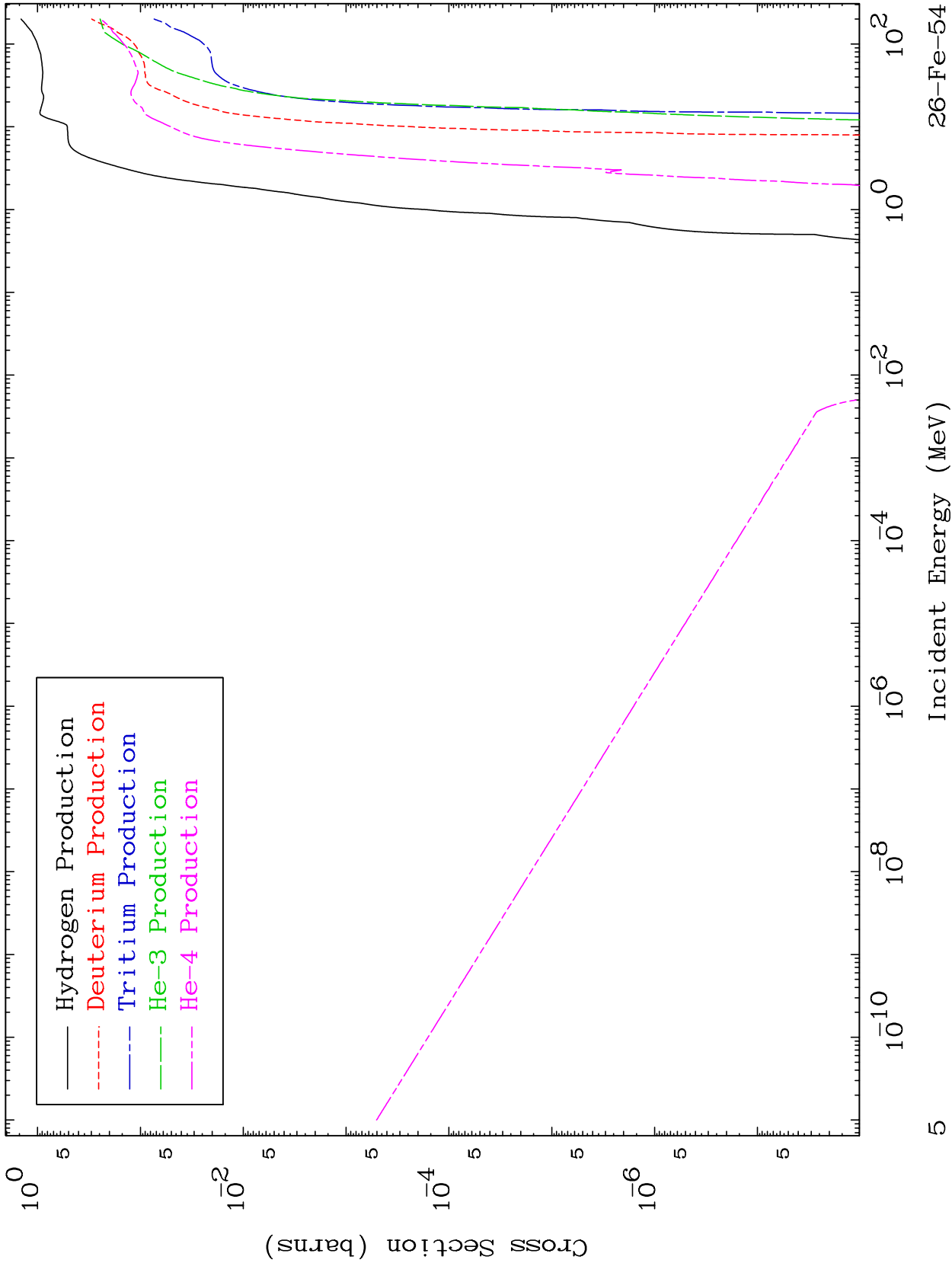
26-Fe-54



MAT 2625

Particle Production  
293 Kelvin Cross Sections

26-Fe-54



Legend:

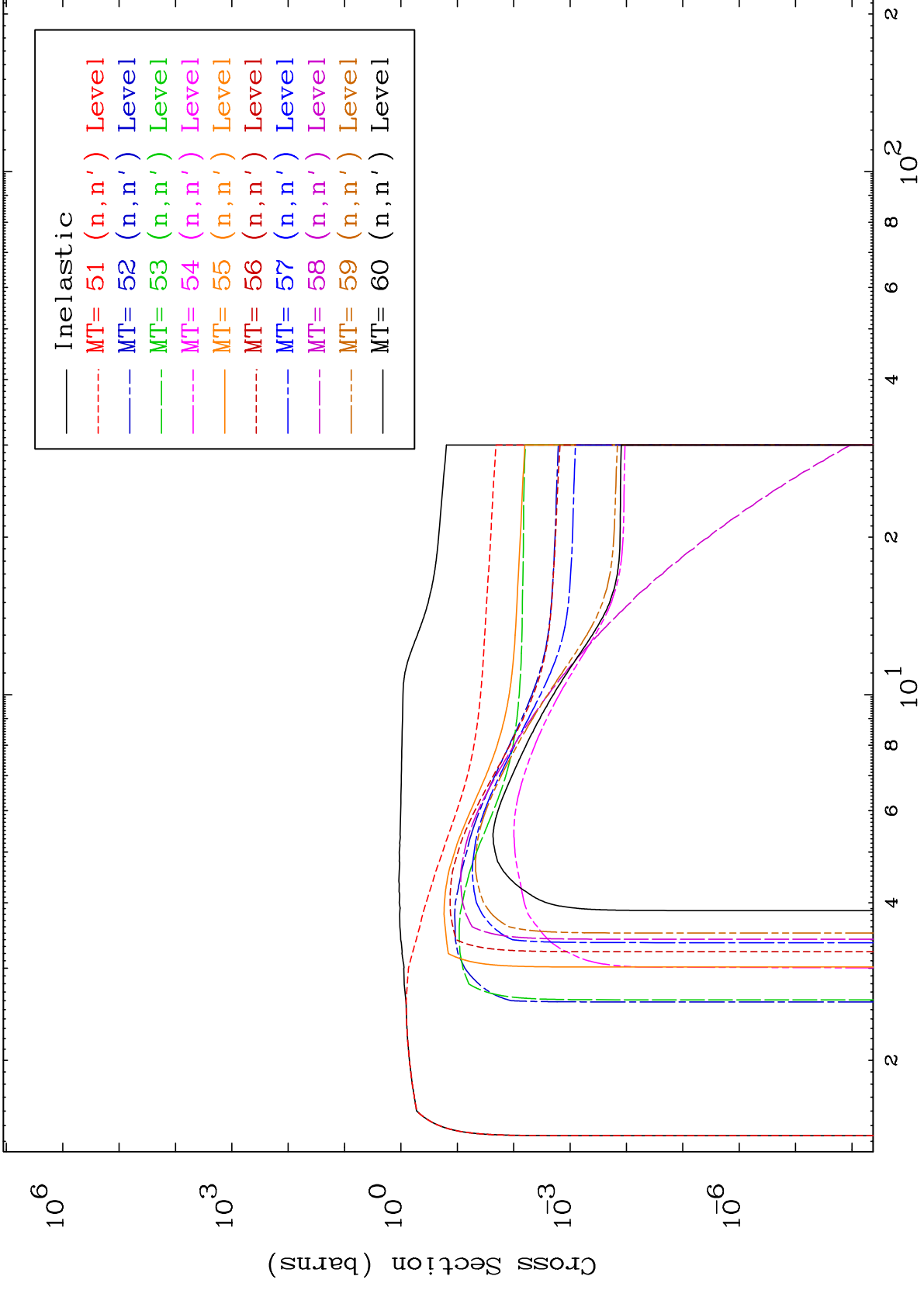
- Hydrogen Production (solid black line)
- Deuterium Production (dashed red line)
- Tritium Production (dash-dot blue line)
- He-3 Production (dashed green line)
- He-4 Production (dash-dot magenta line)

MAT 2625

(n,n') Level

26-Fe-54

293 Kelvin Cross Sections



6

Incident Energy (MeV)

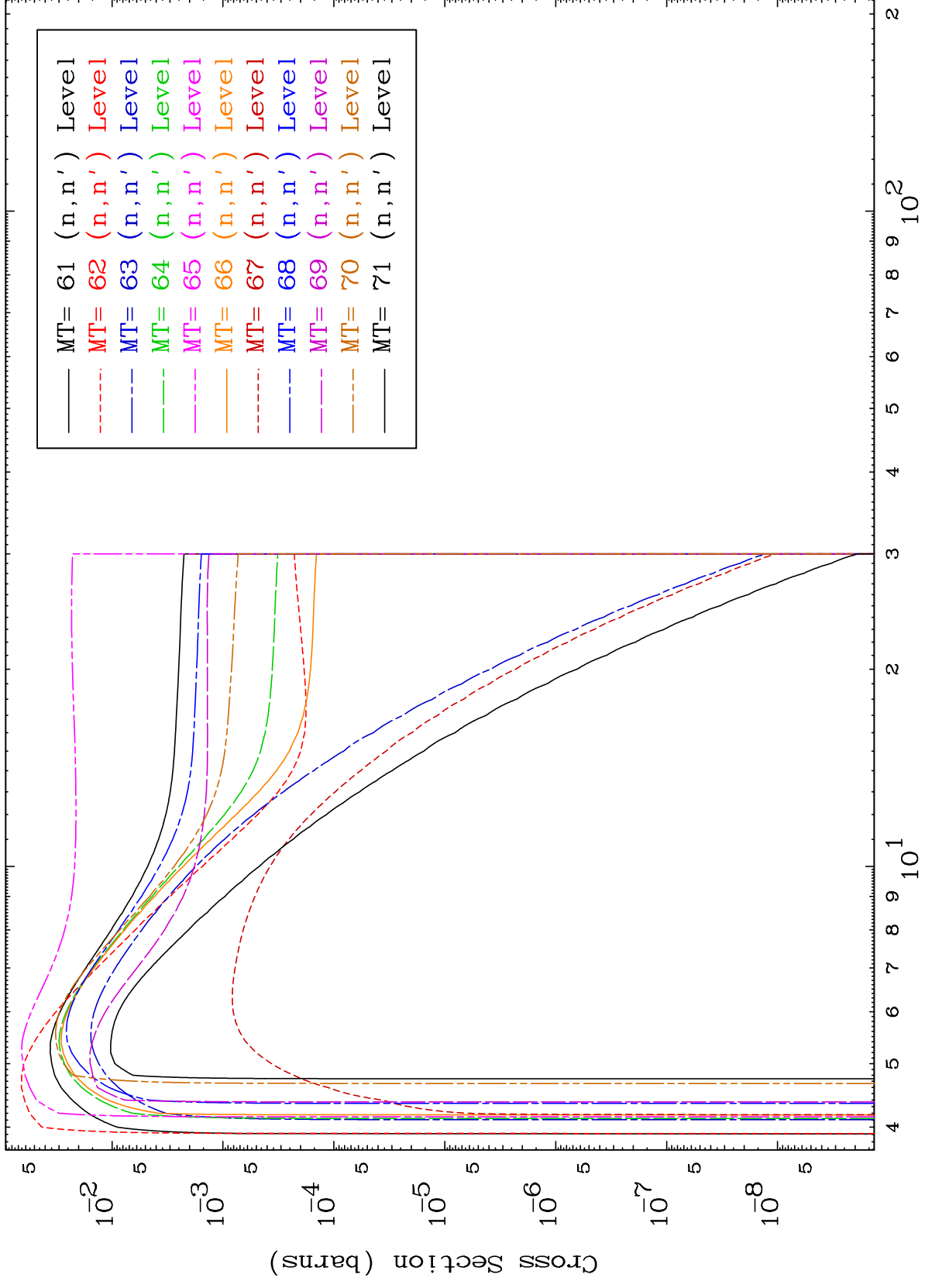
26-Fe-54

MAT 2625

(n,n') Level

26-Fe-54

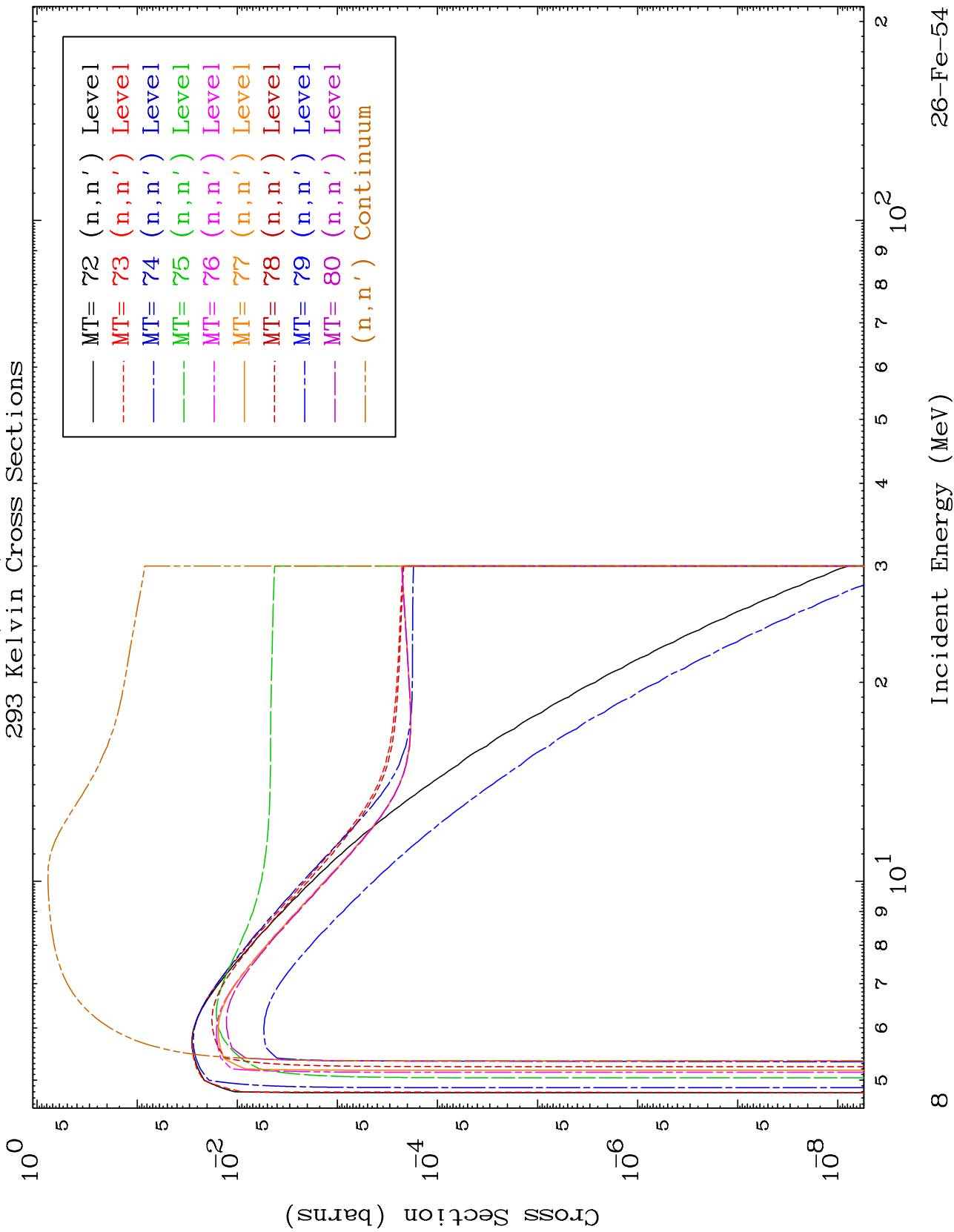
293 Kelvin Cross Sections



Incident Energy (MeV)

26-Fe-54

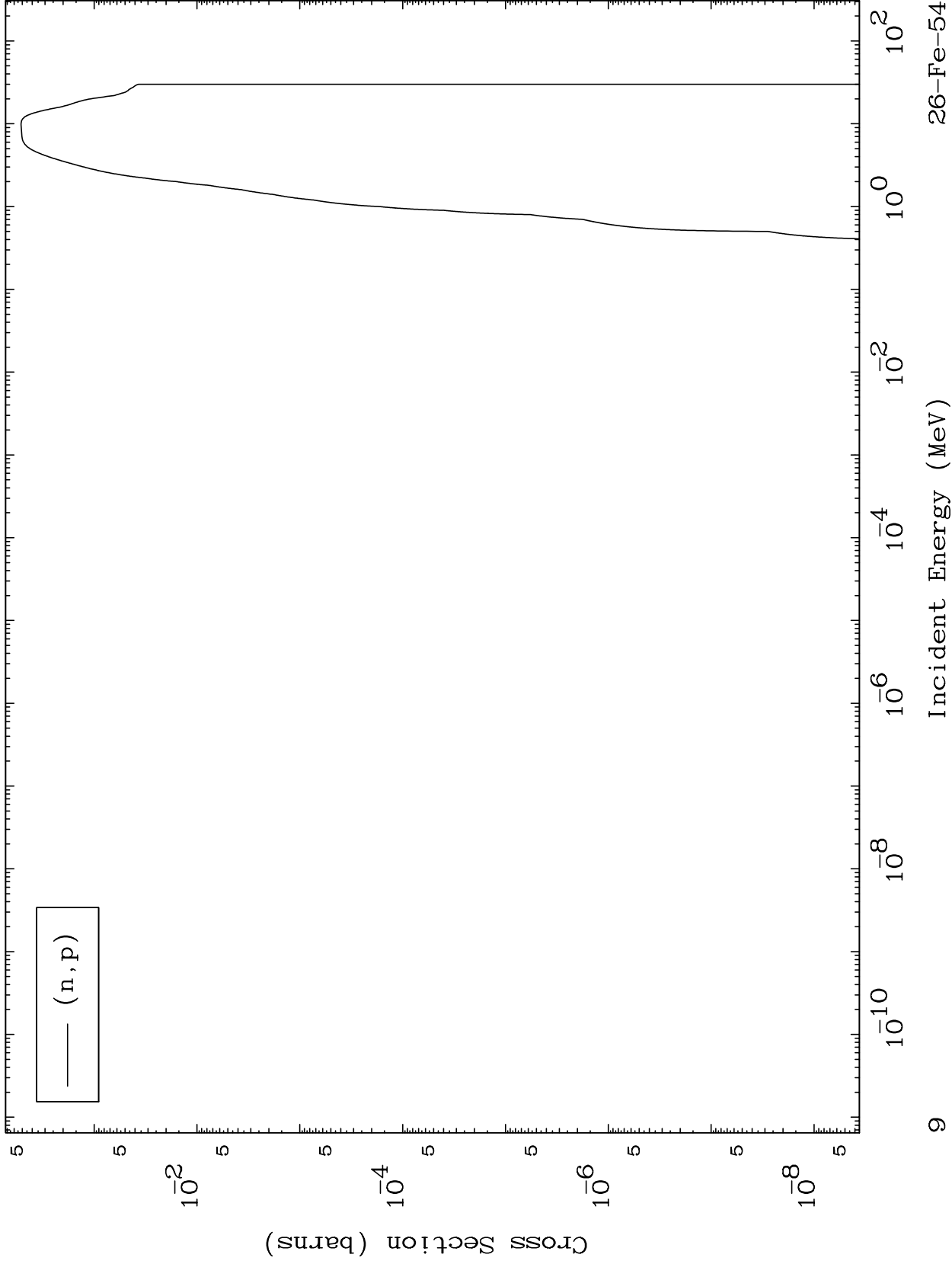
7



MAT 2625

(n,p) Levels  
293 Kelvin Cross Sections

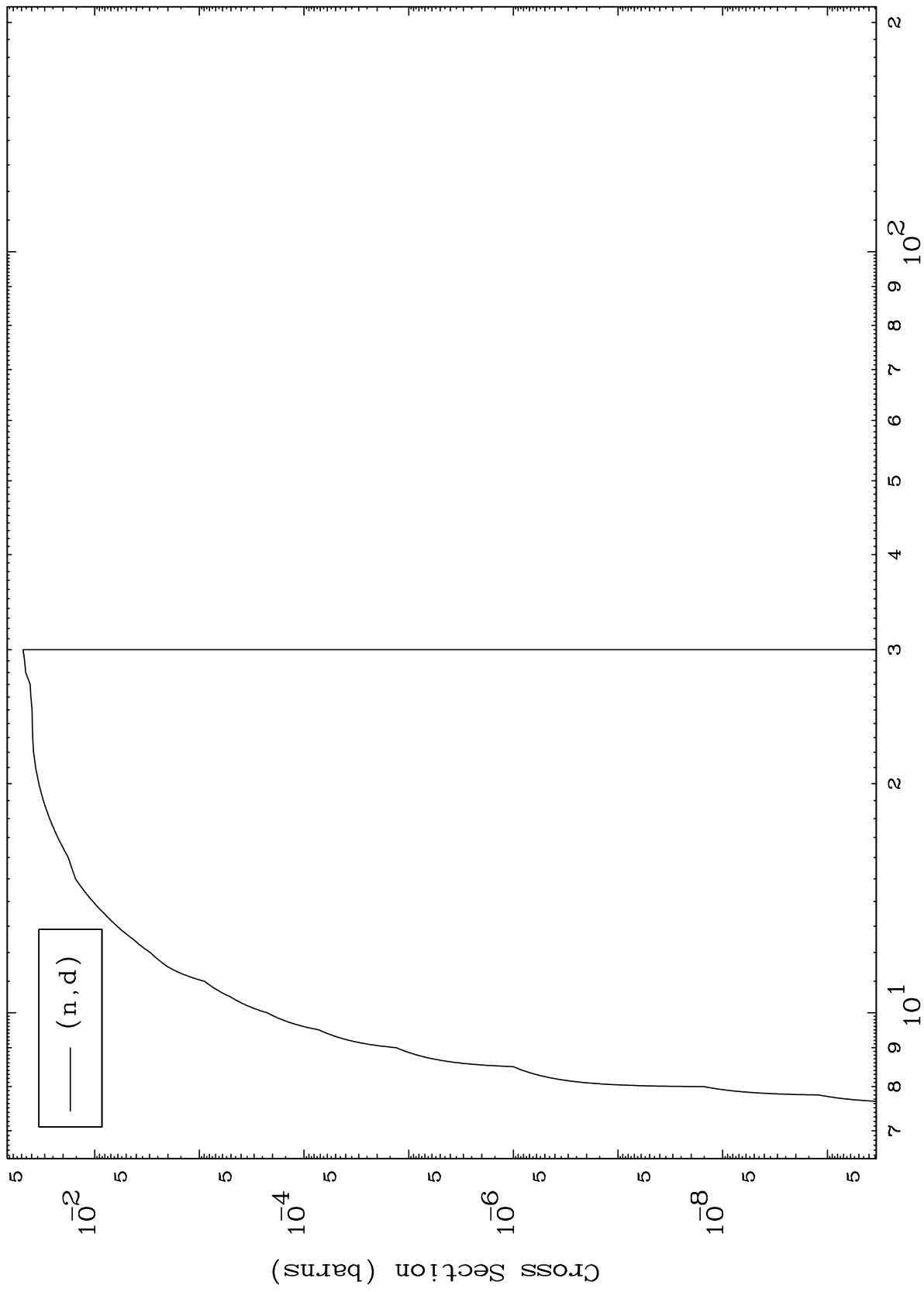
26-Fe-54



MAT 2625

(n,d) Levels  
293 Kelvin Cross Sections

26-Fe-54



10

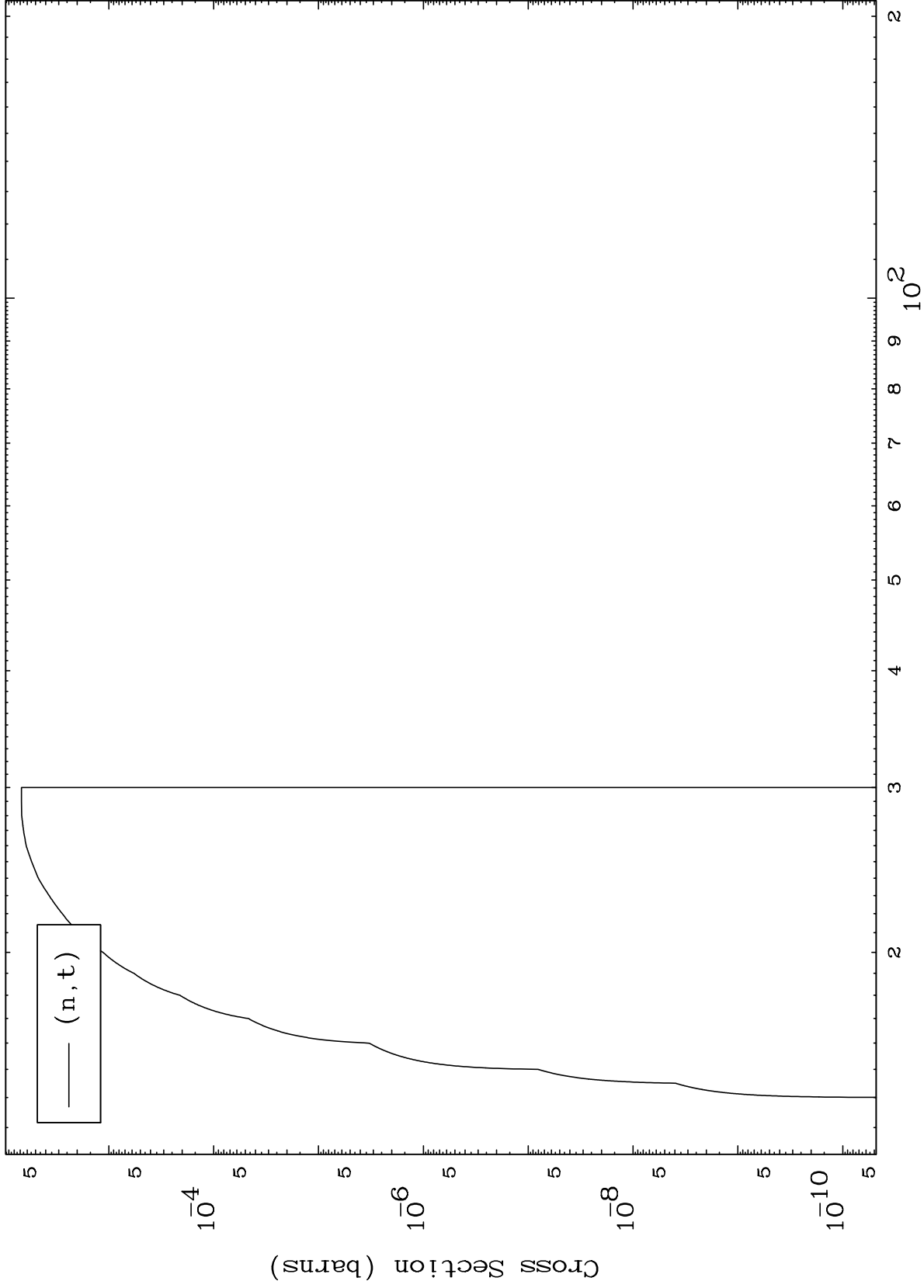
Incident Energy (MeV)

26-Fe-54

MAT 2625

(n,t) Levels  
293 Kelvin Cross Sections

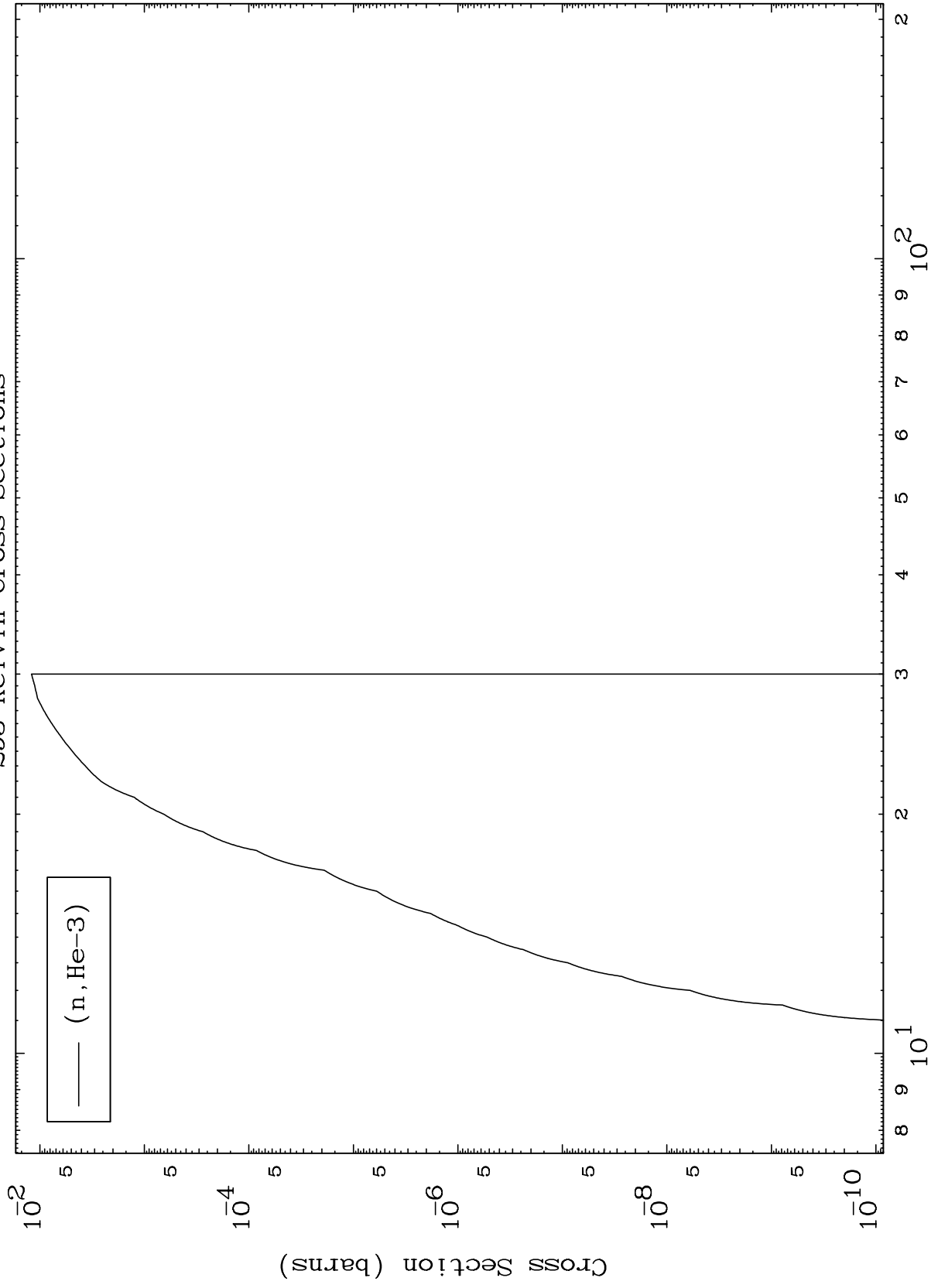
<sup>26</sup>Fe-54



MAT 2625

(n,He3) Levels  
293 Kelvin Cross Sections

26-Fe-54



12

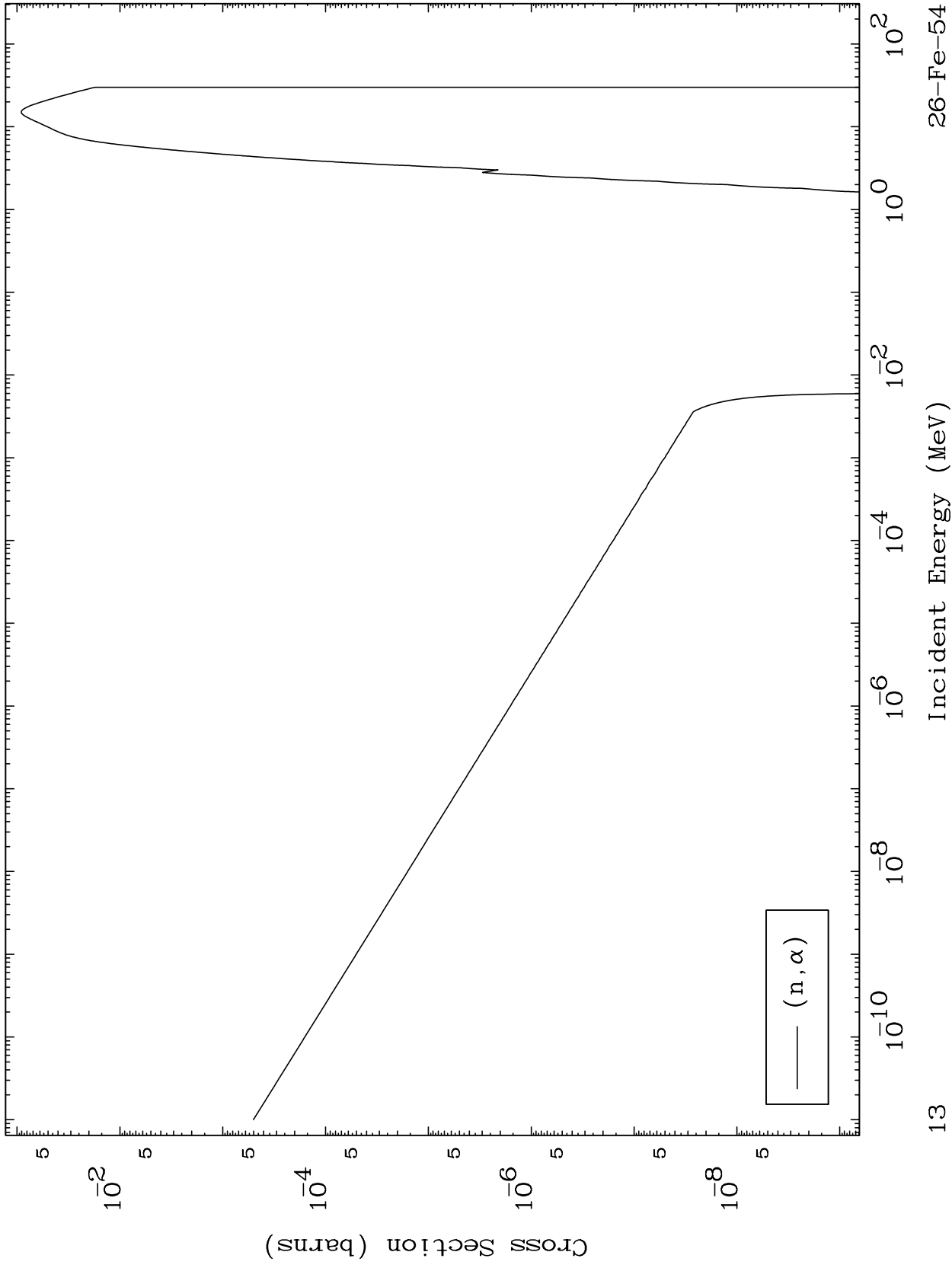
Incident Energy (MeV)

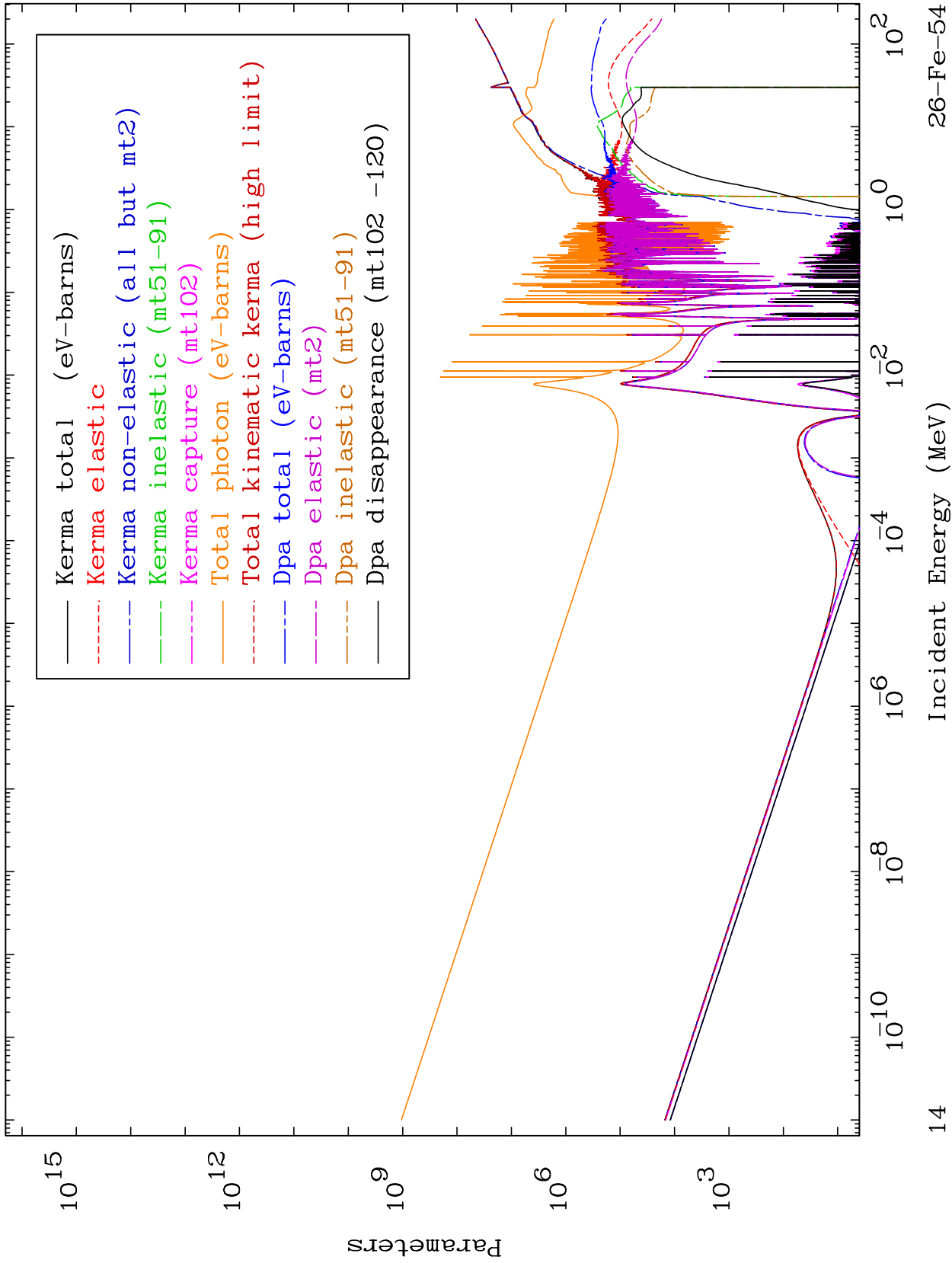
26-Fe-54

MAT 2625

(n,α) Levels  
293 Kelvin Cross Sections

26-Fe-54

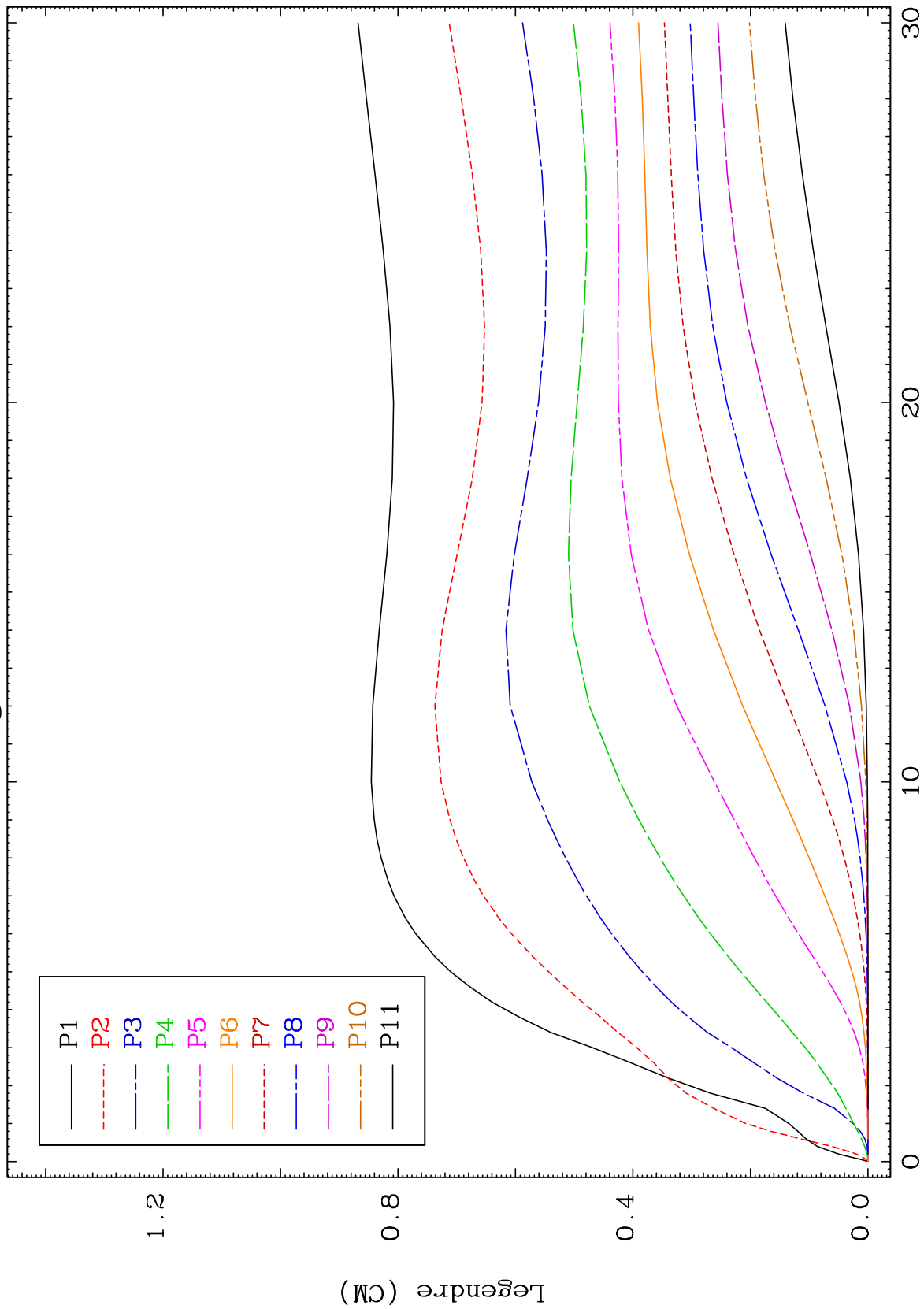




MAT 2625

Elastic Legendre Coefficients

<sup>26</sup>Fe-54



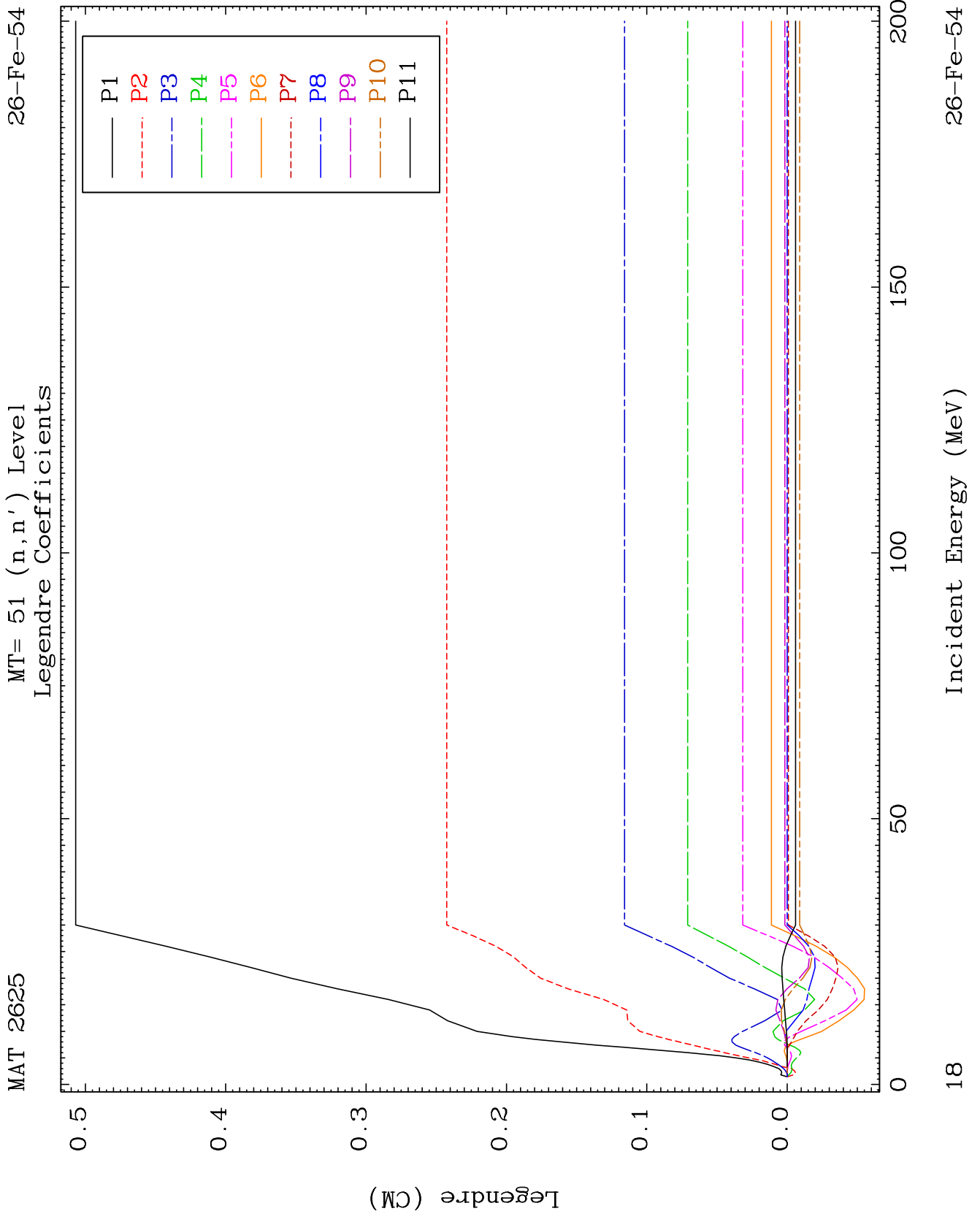
15

Incident Energy (MeV)

<sup>26</sup>Fe-54



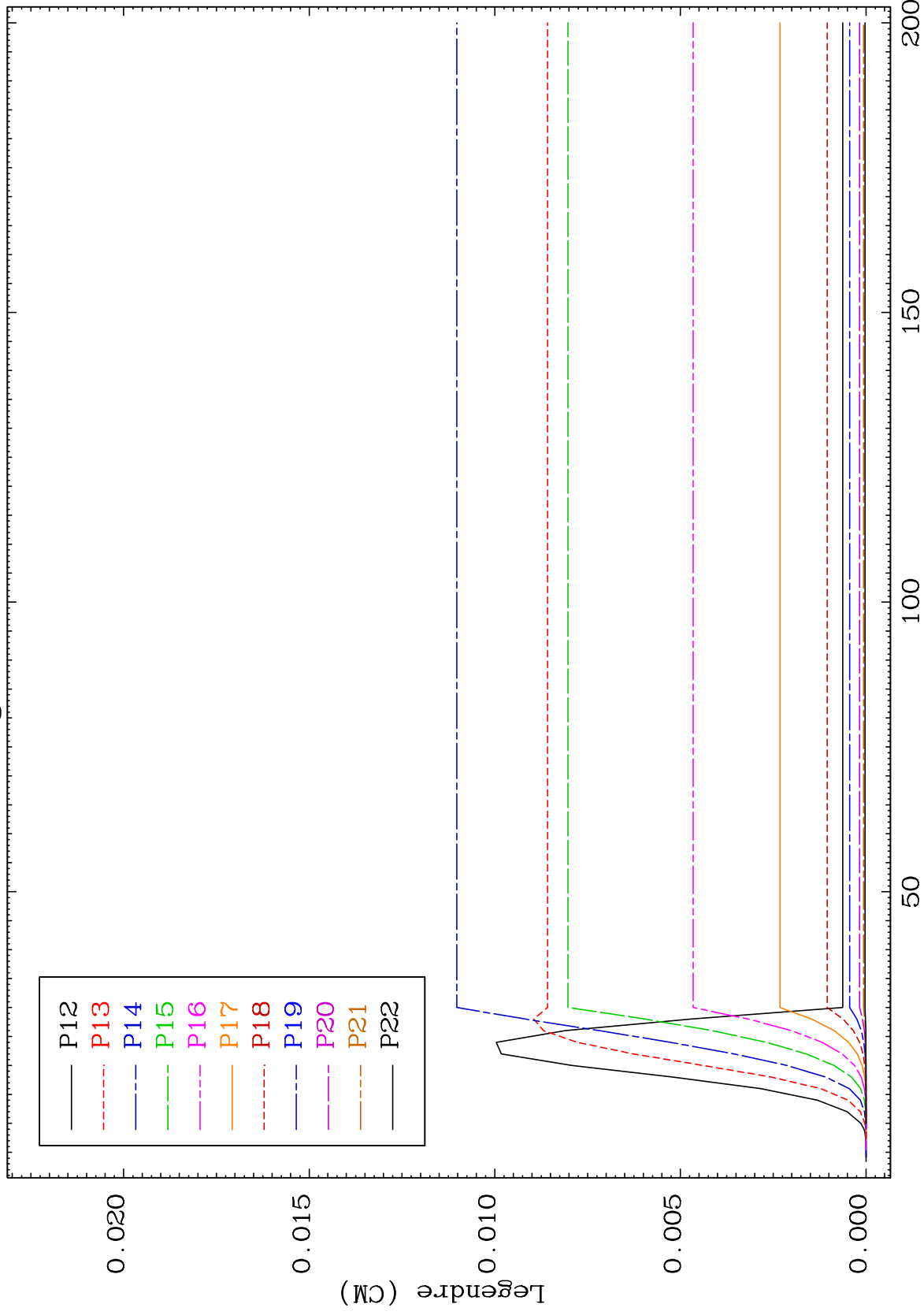




MAT 2625

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

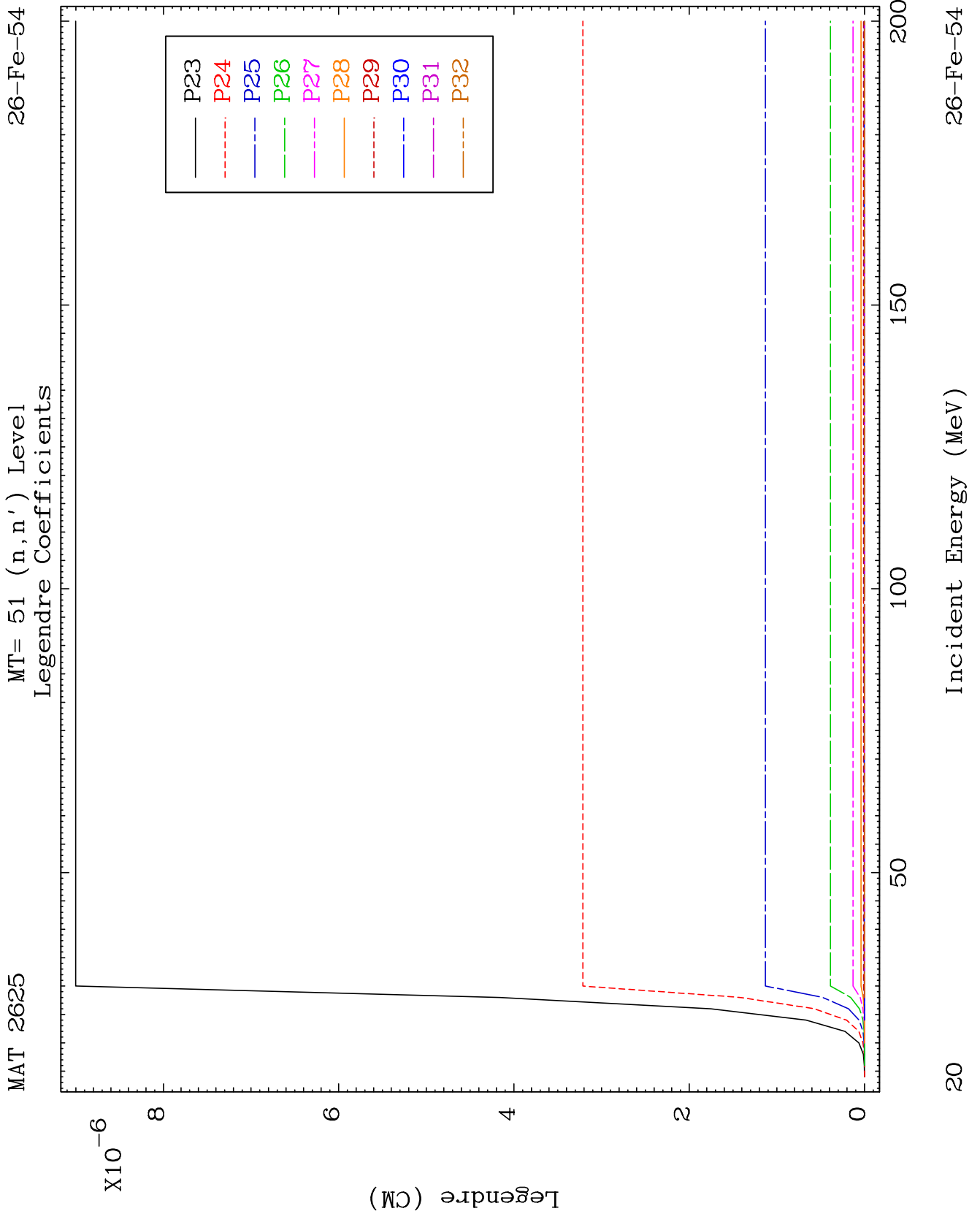
26-Fe-54



19

Incident Energy (MeV)

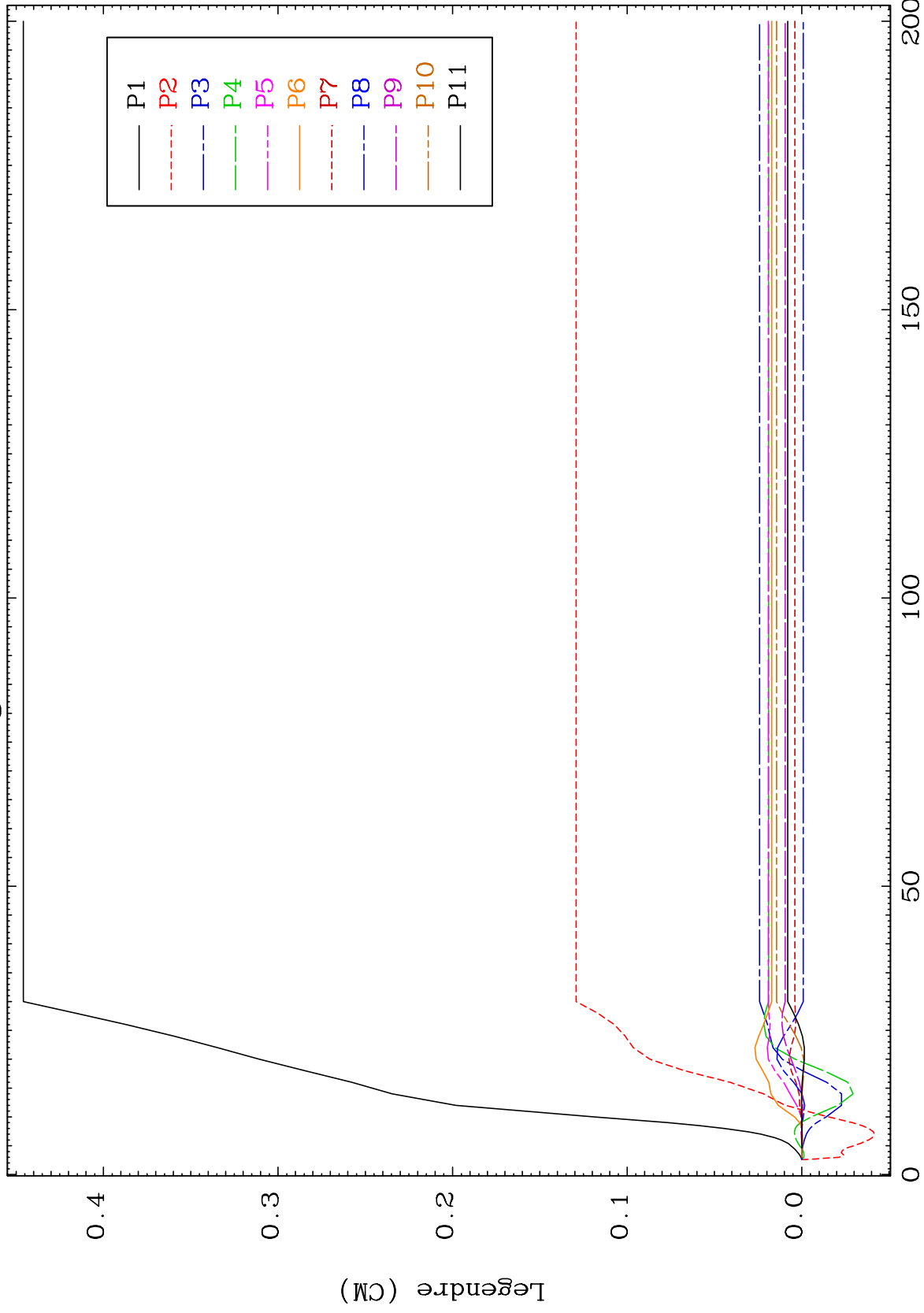
26-Fe-54



MAT 2625

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

26-Fe-54



21

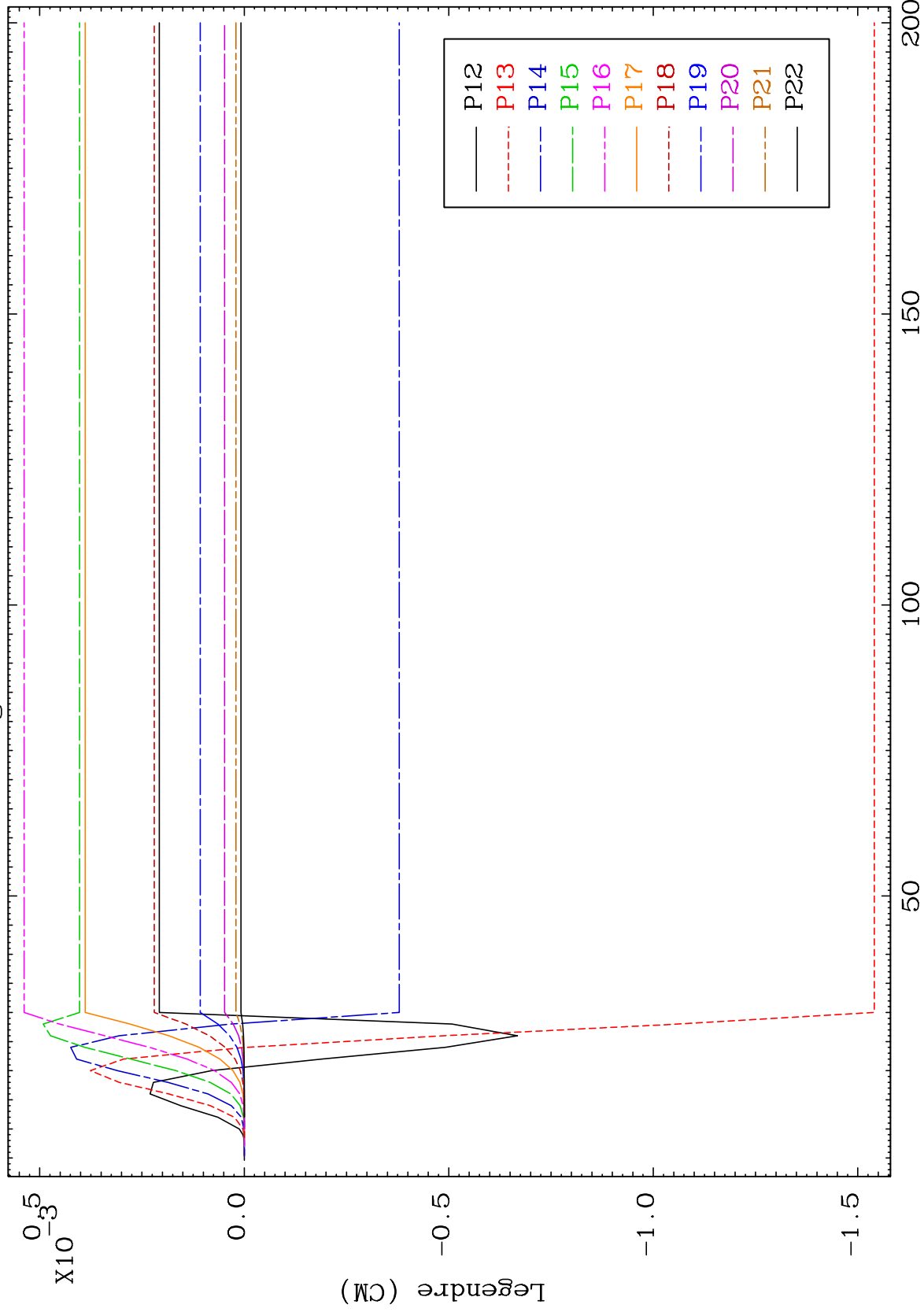
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54



22

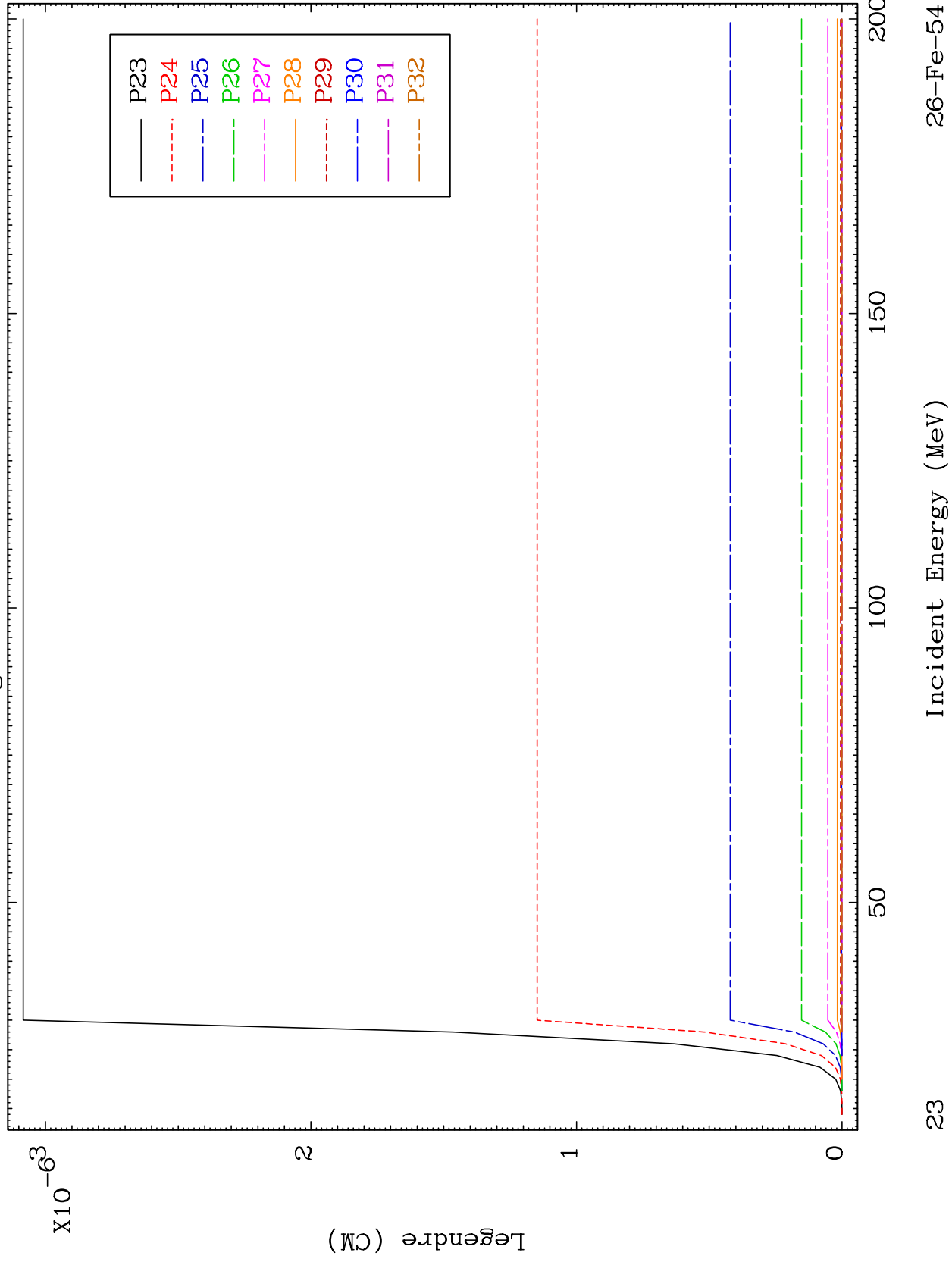
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

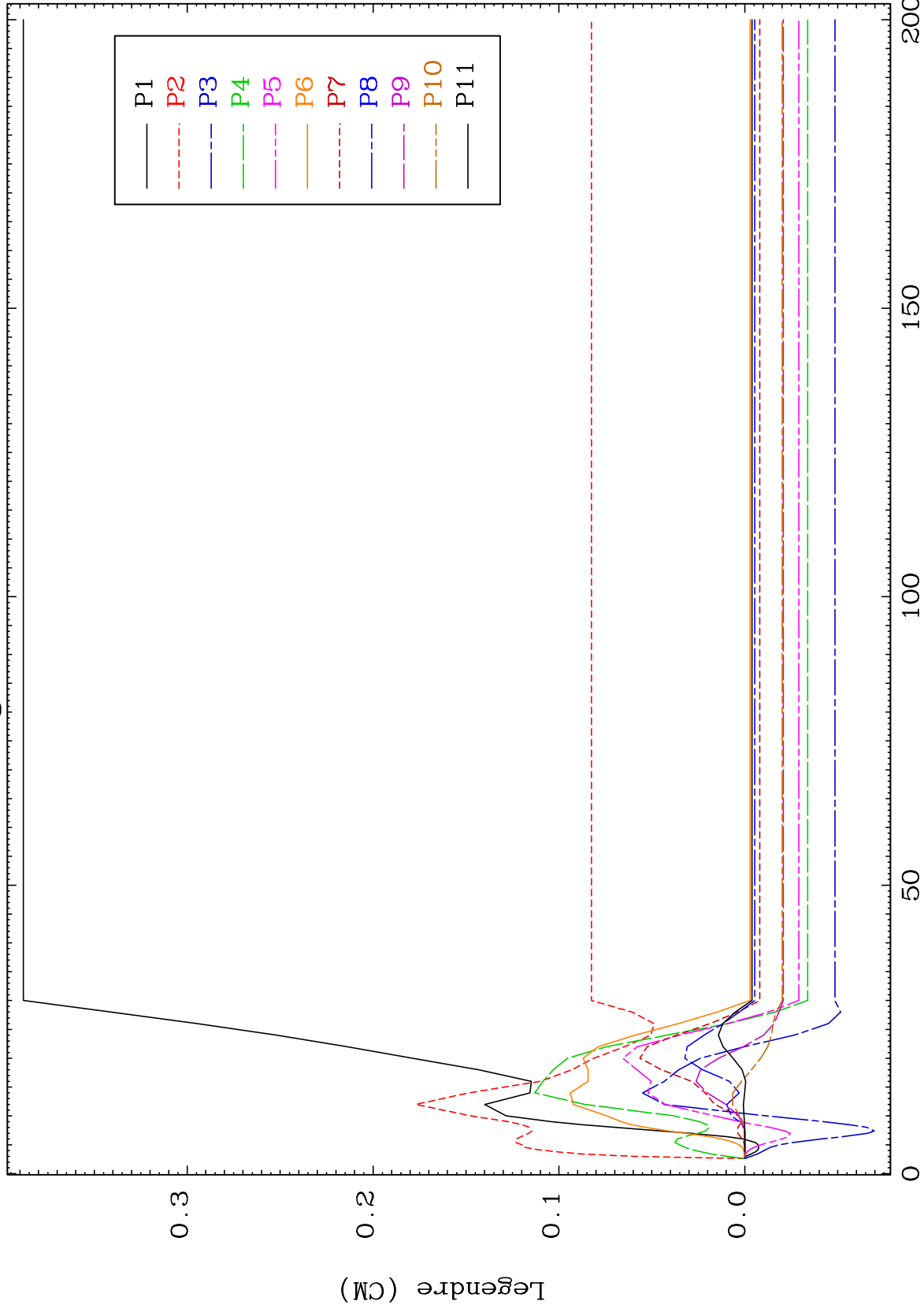
26-Fe-54



MAT 2625

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

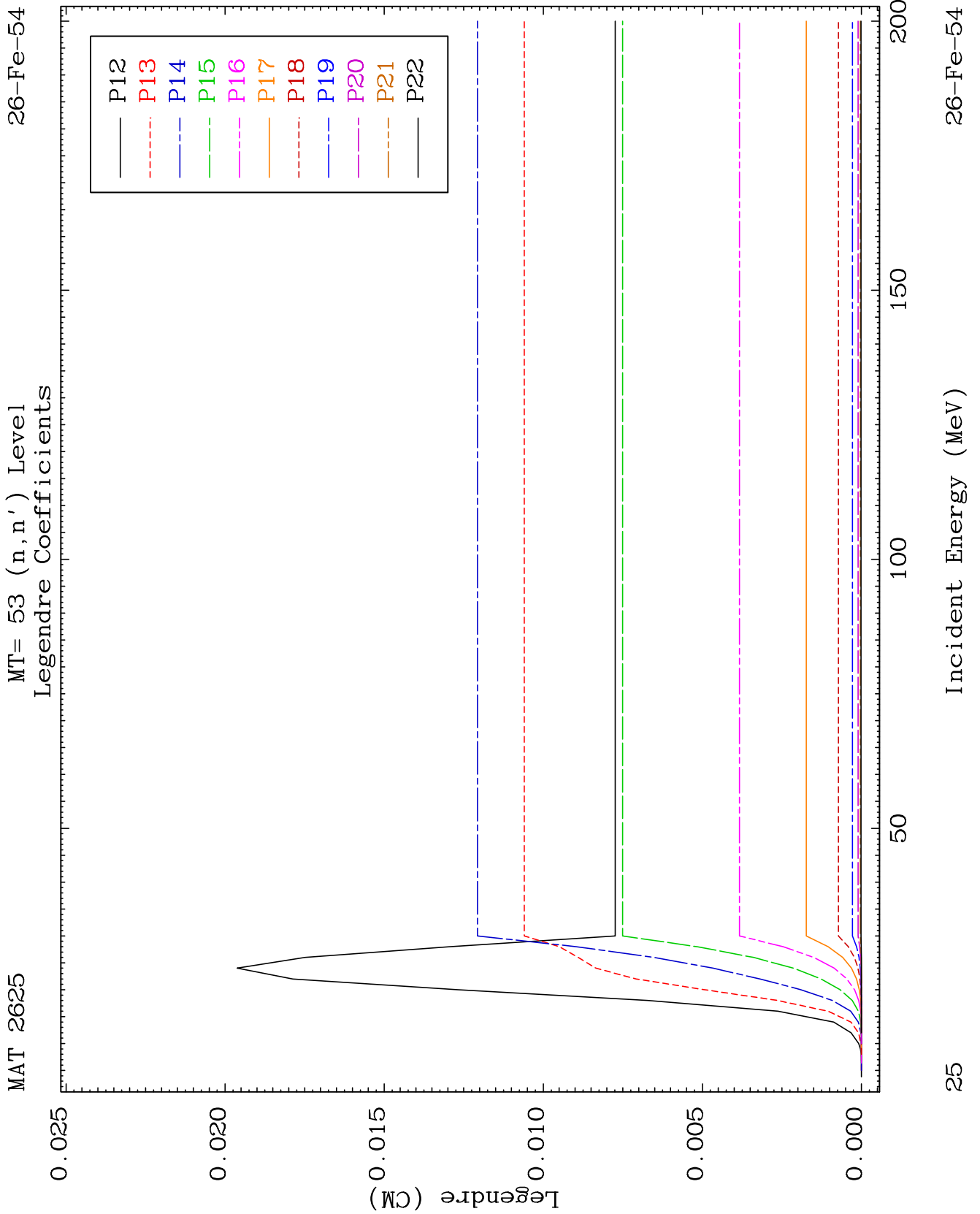
26-Fe-54

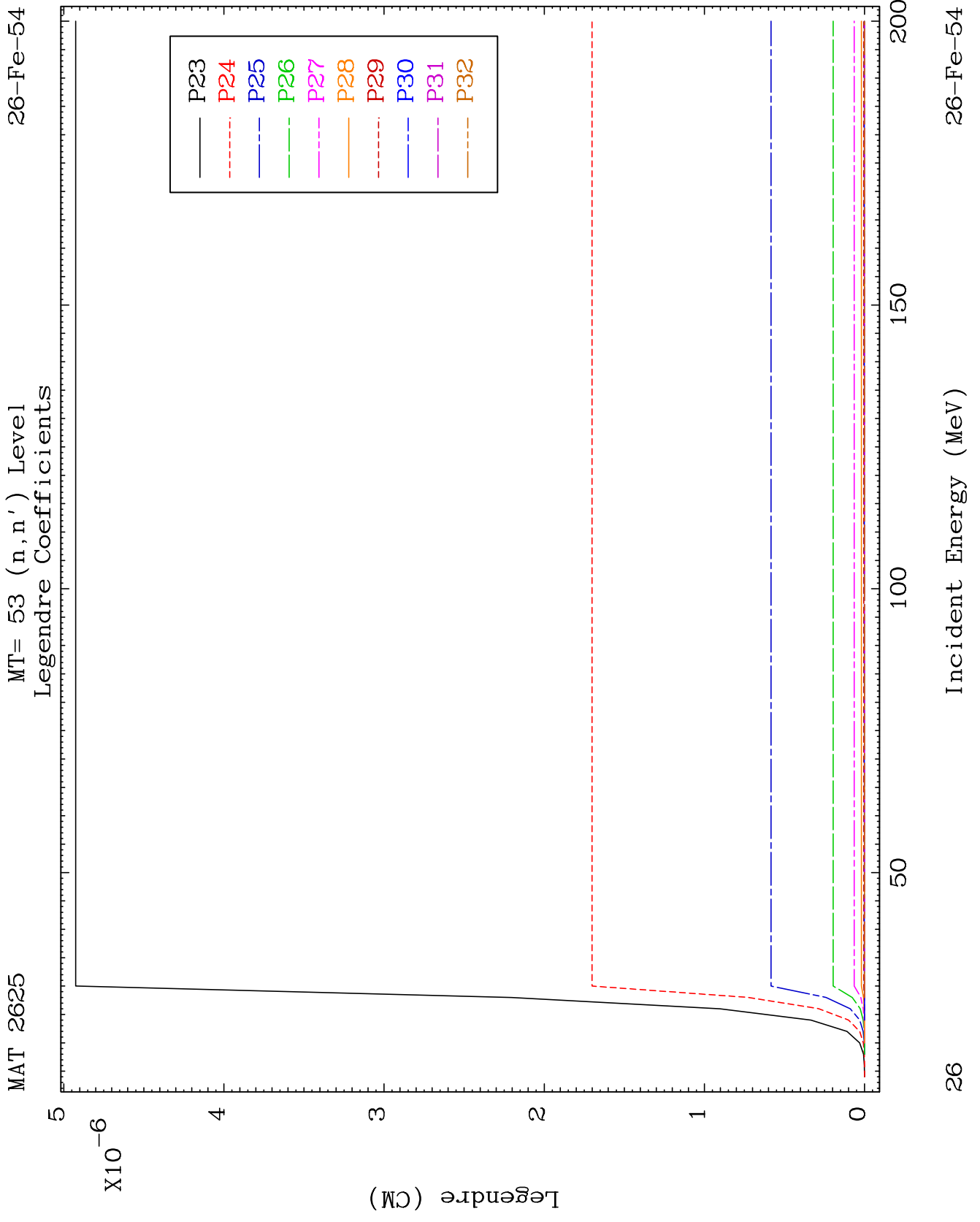


24

Incident Energy (MeV)

26-Fe-54

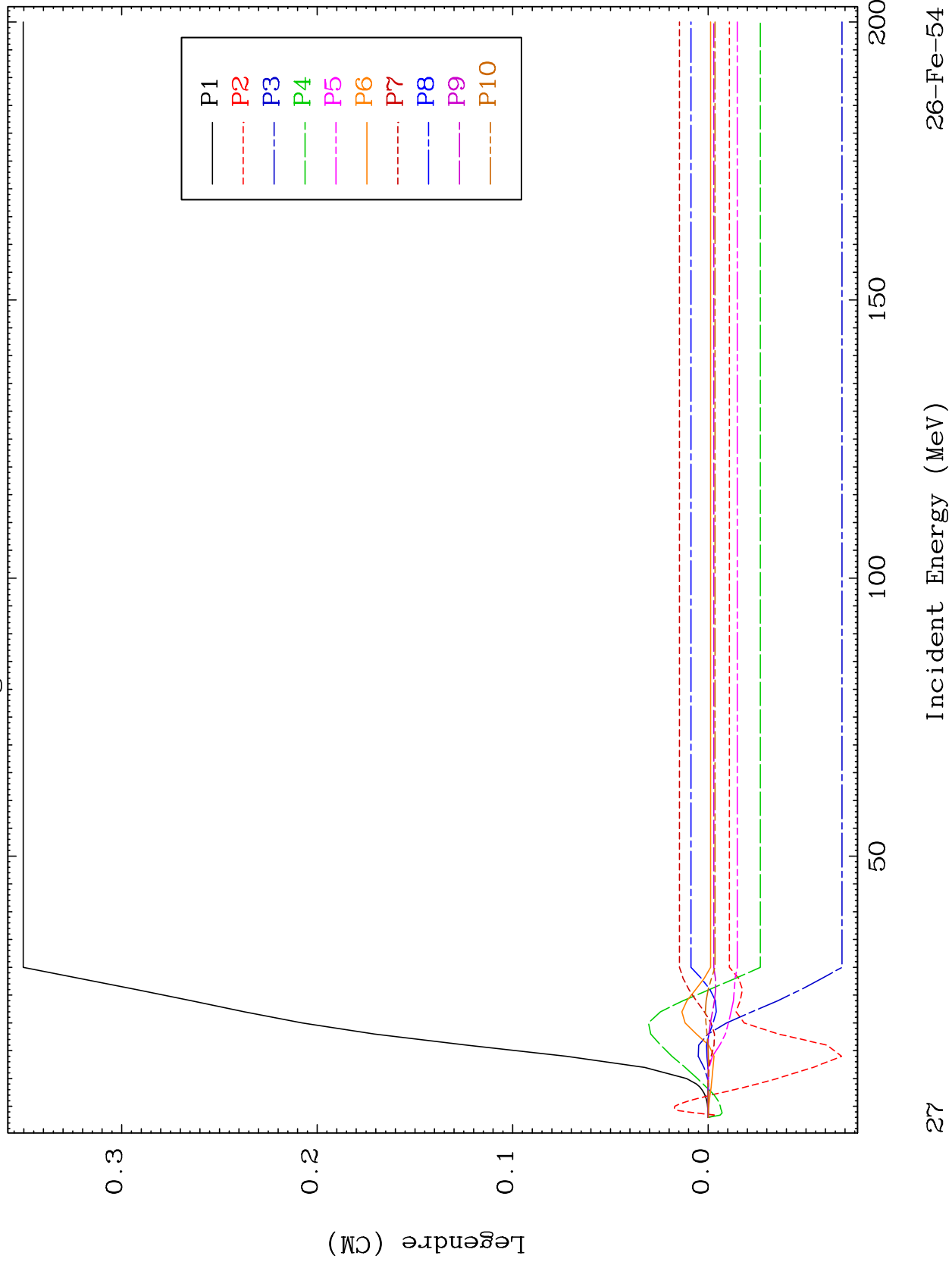




MAT 2625

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

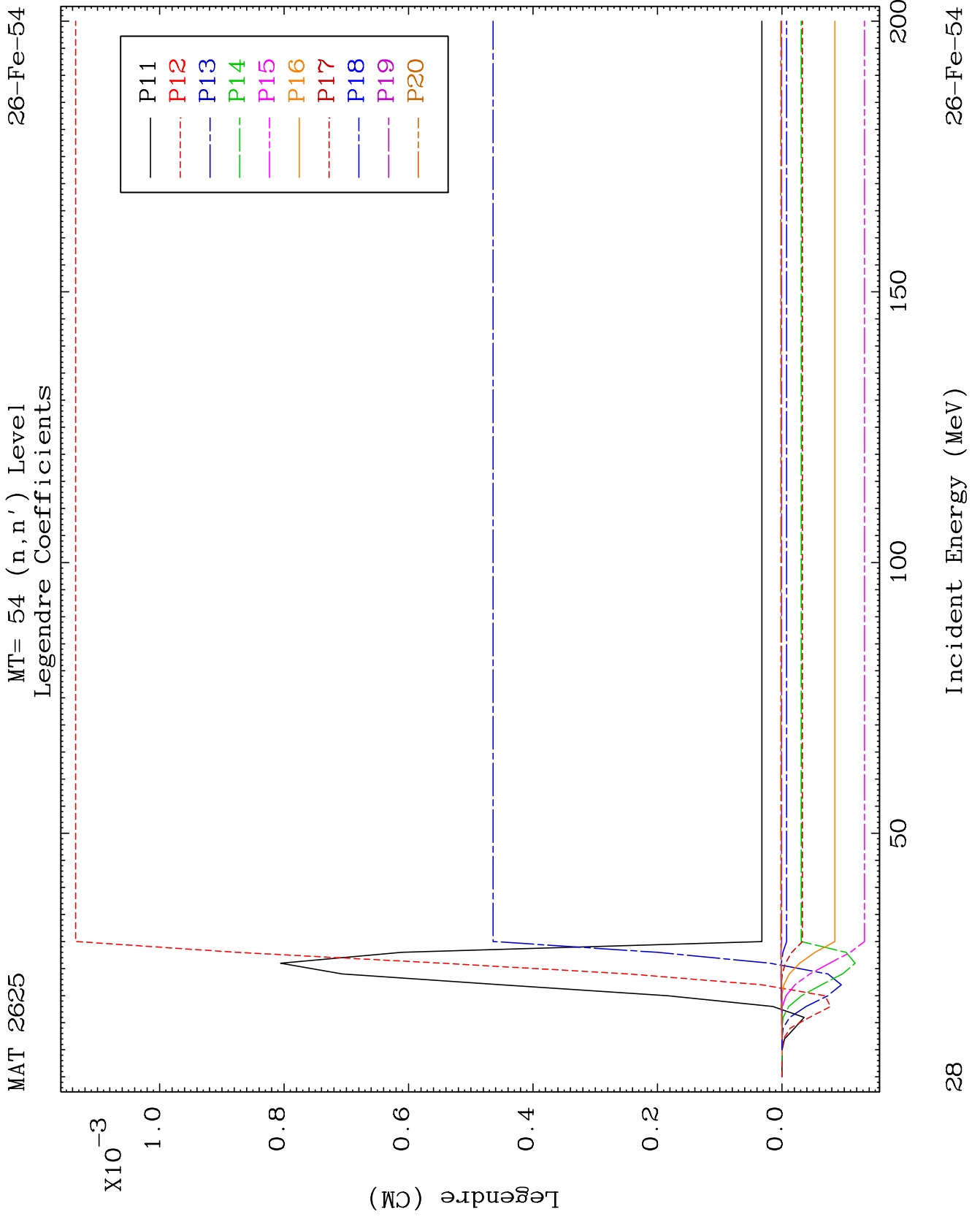
26-Fe-54



27

Incident Energy (MeV)

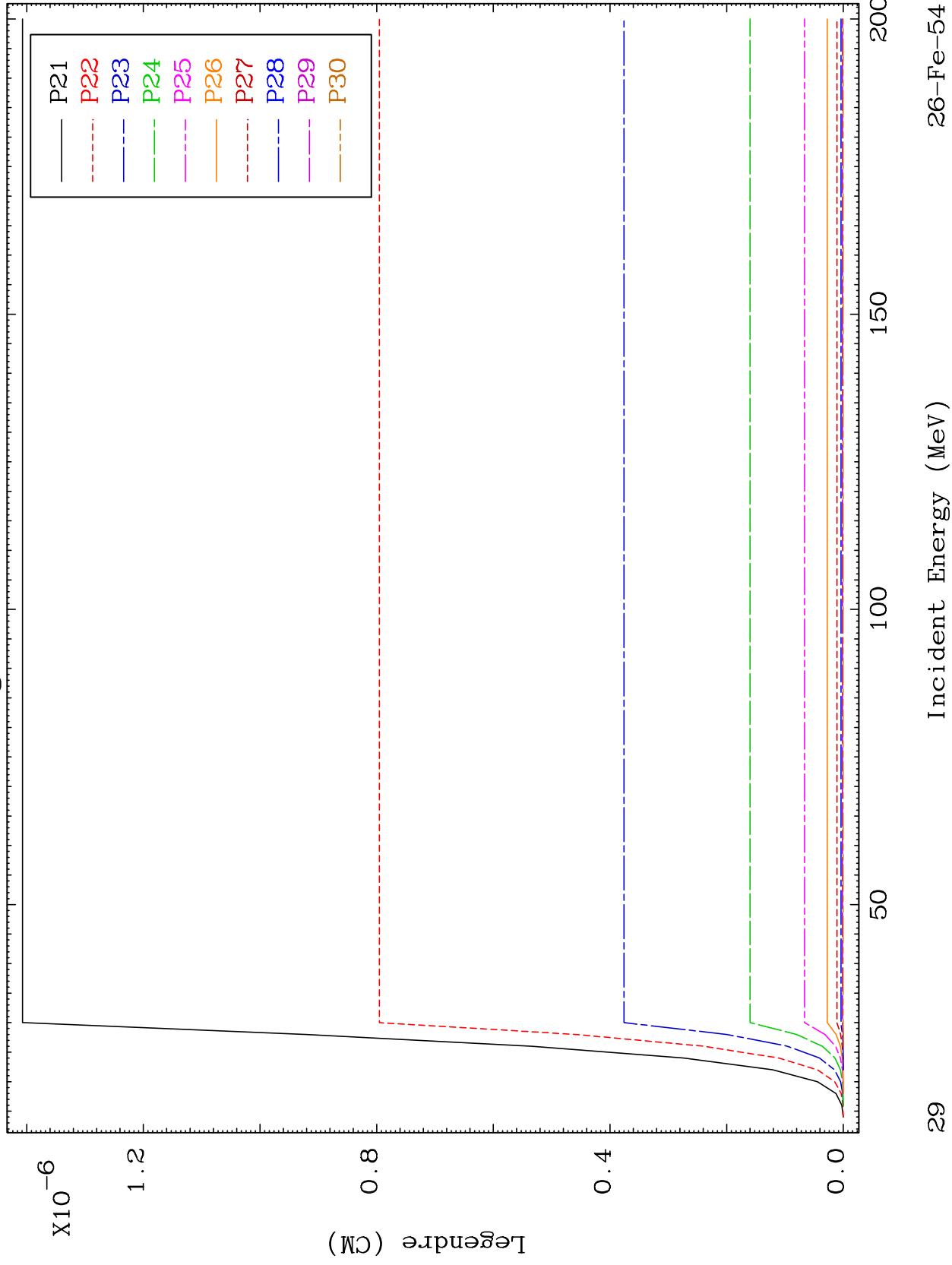
26-Fe-54



MAT 2625

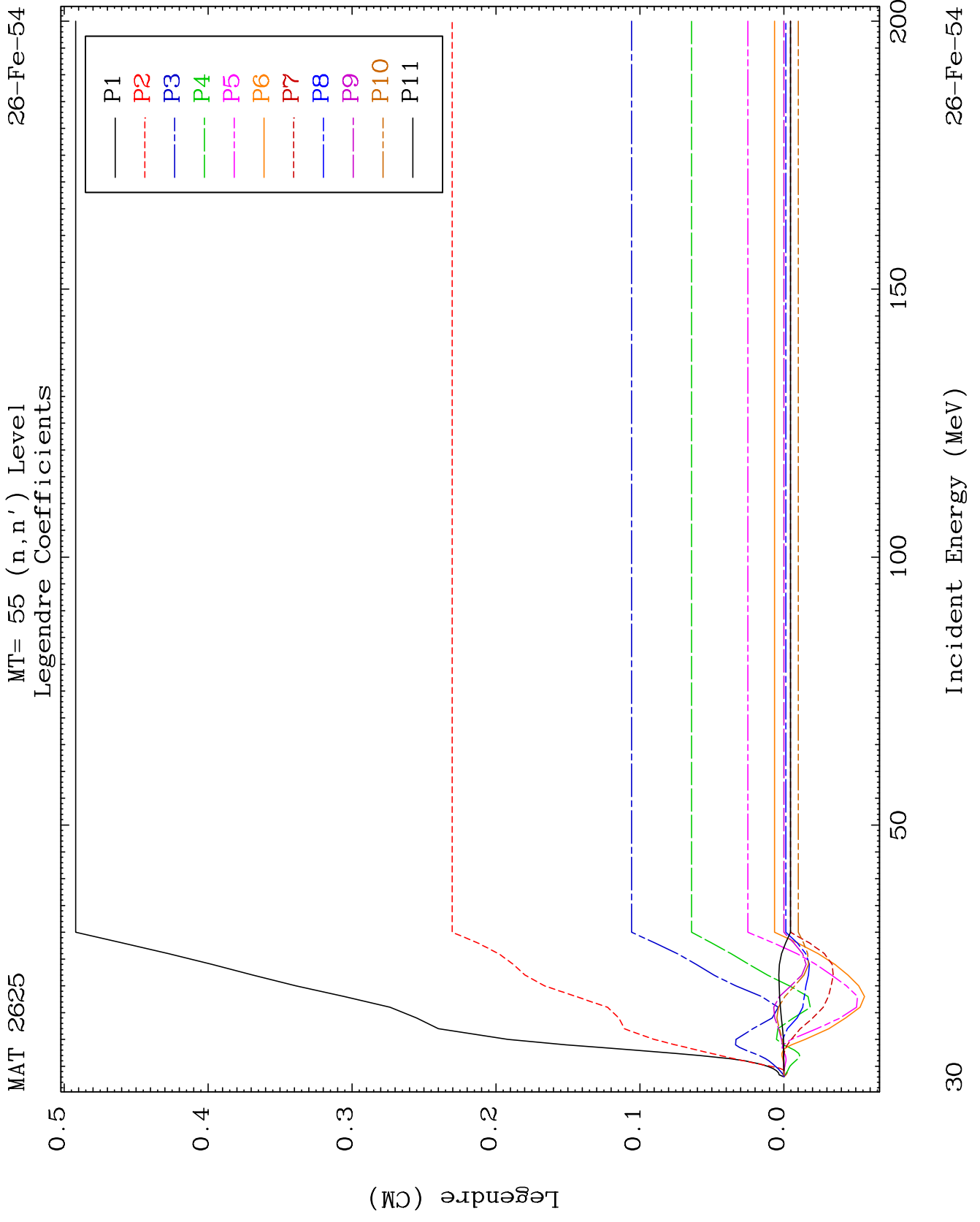
MT= 54 (n,n') Level  
Legendre Coefficients

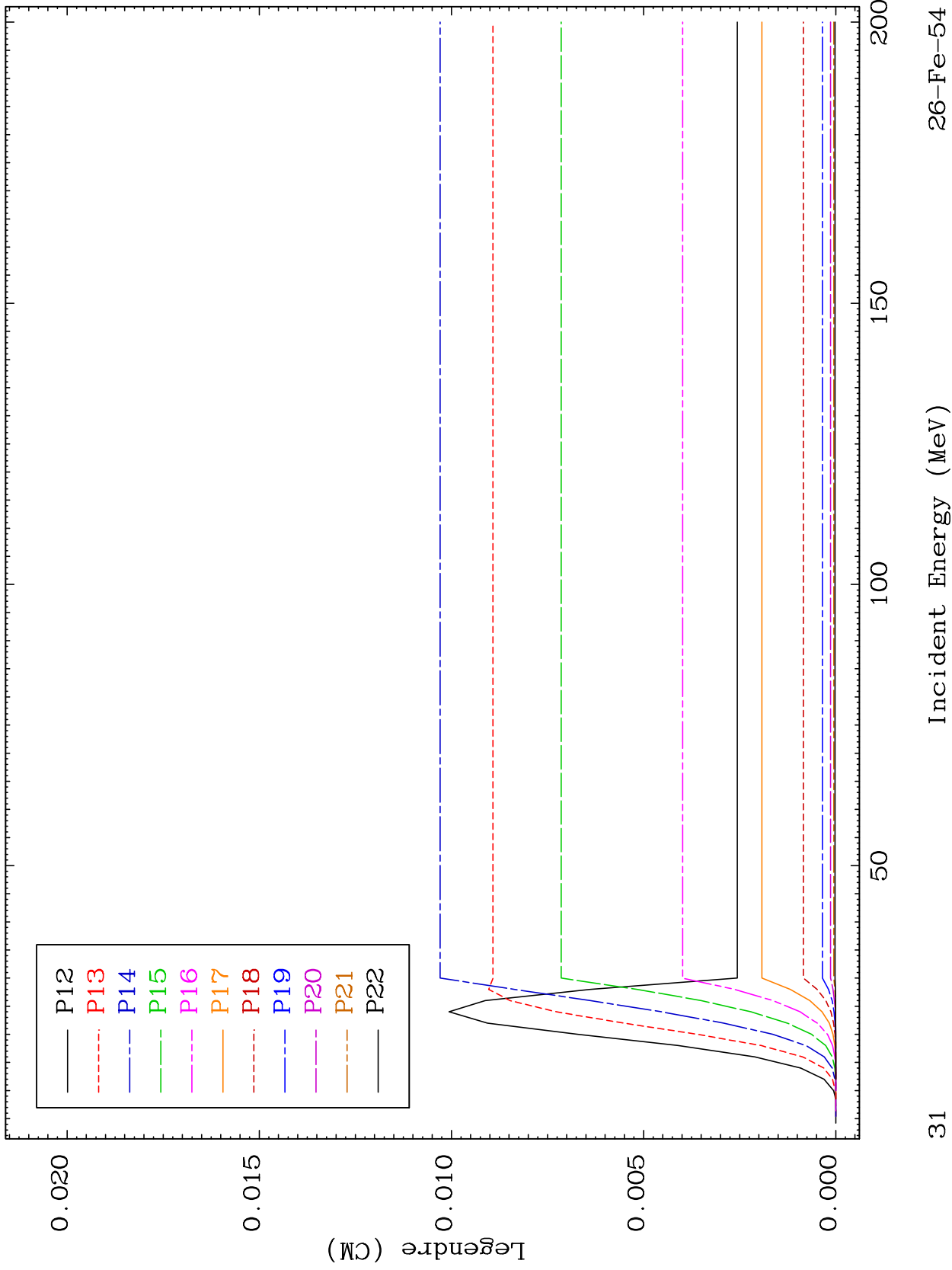
26-Fe-54



29

26-Fe-54

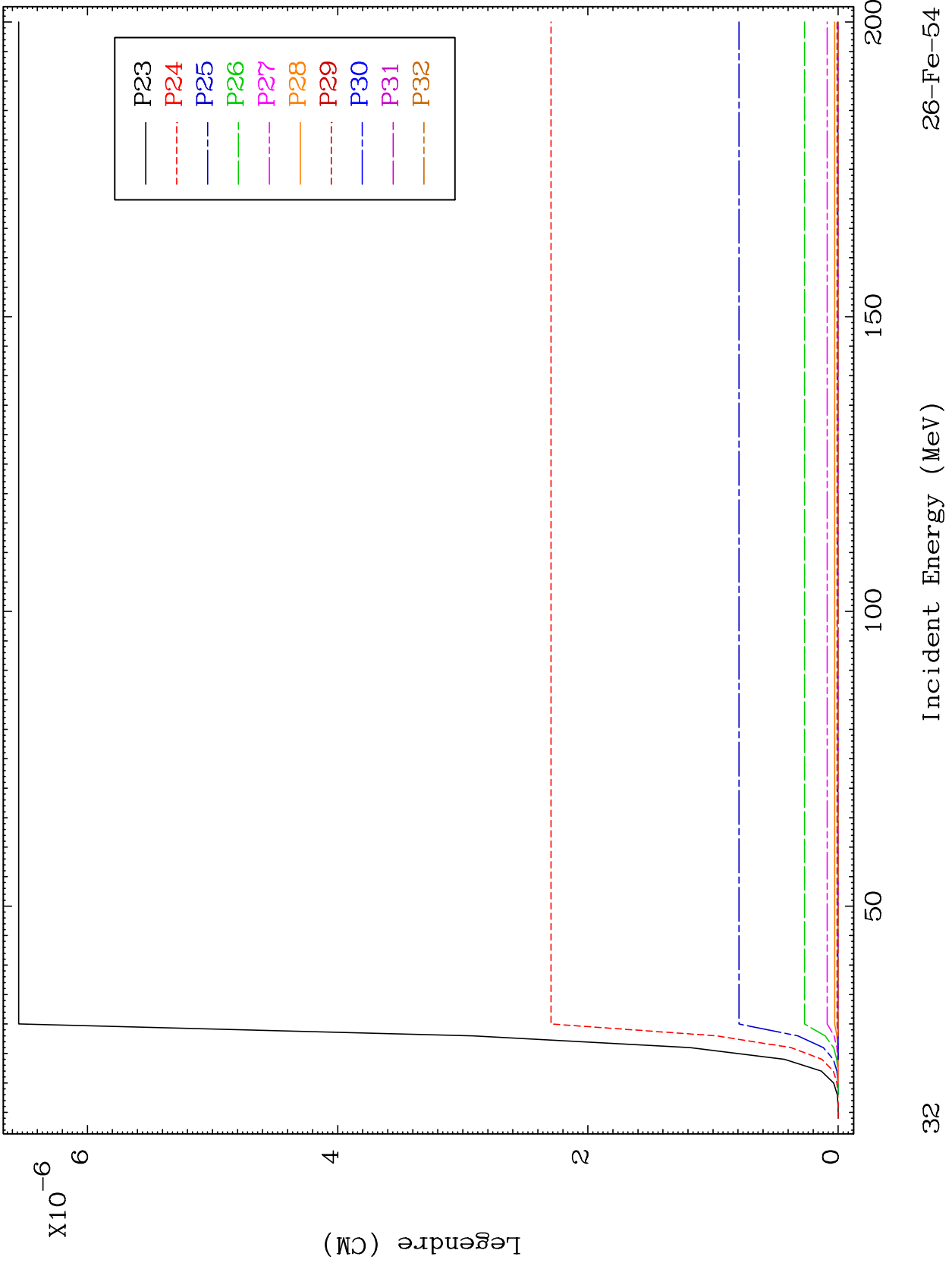




MAT 2625

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

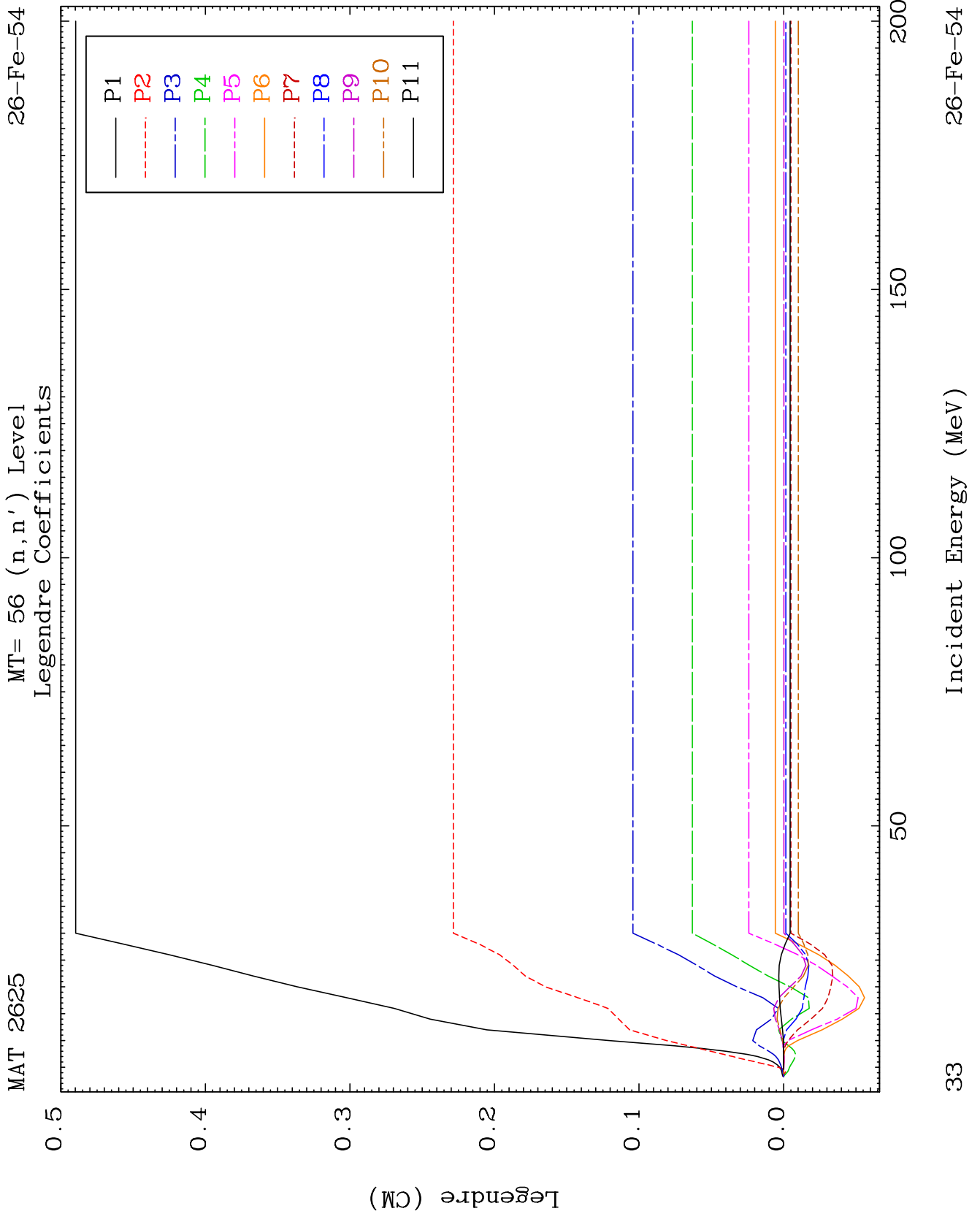
26-Fe-54



26-Fe-54

Incident Energy (MeV)

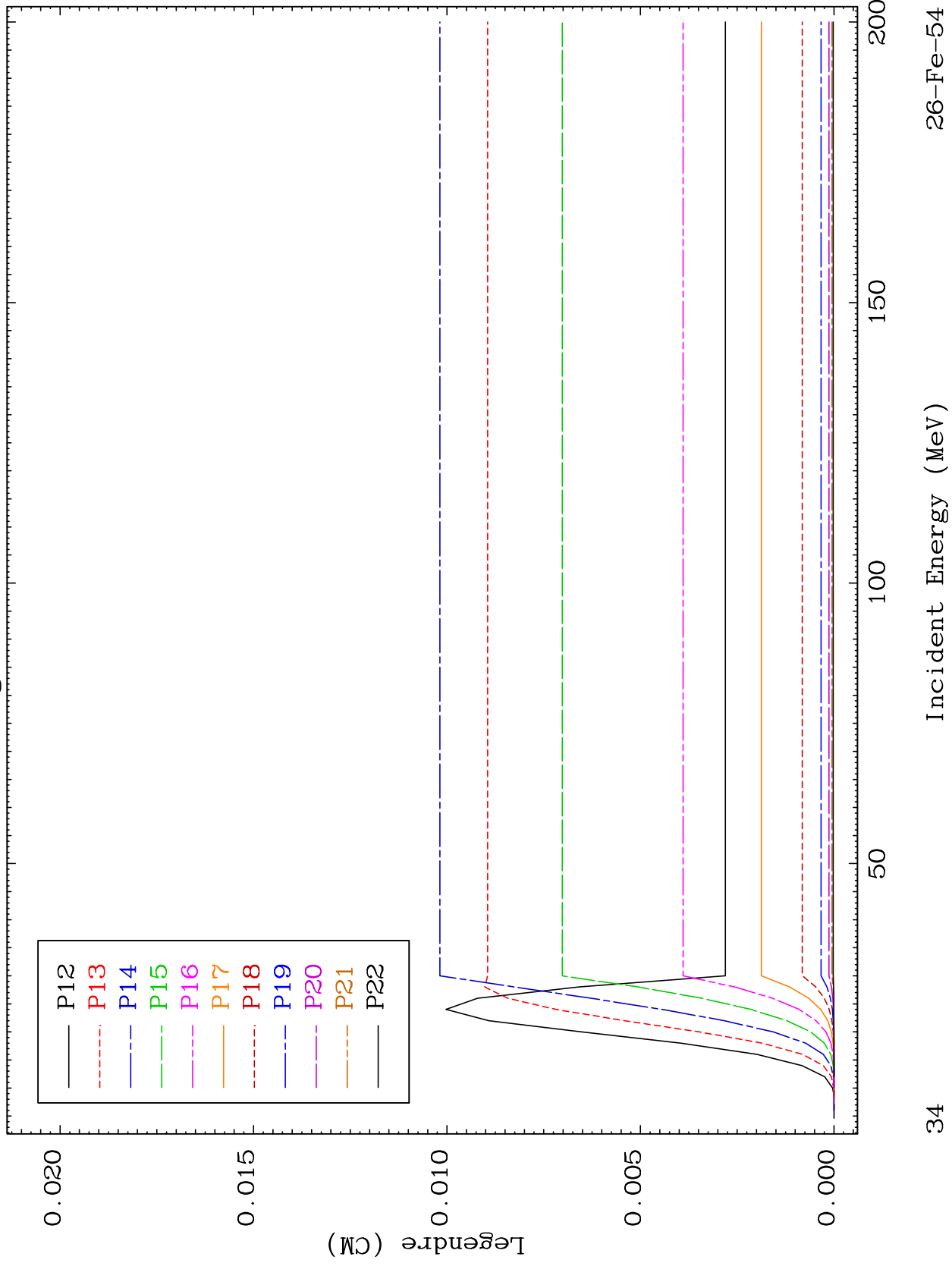
32



MAT 2625

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

26-Fe-54

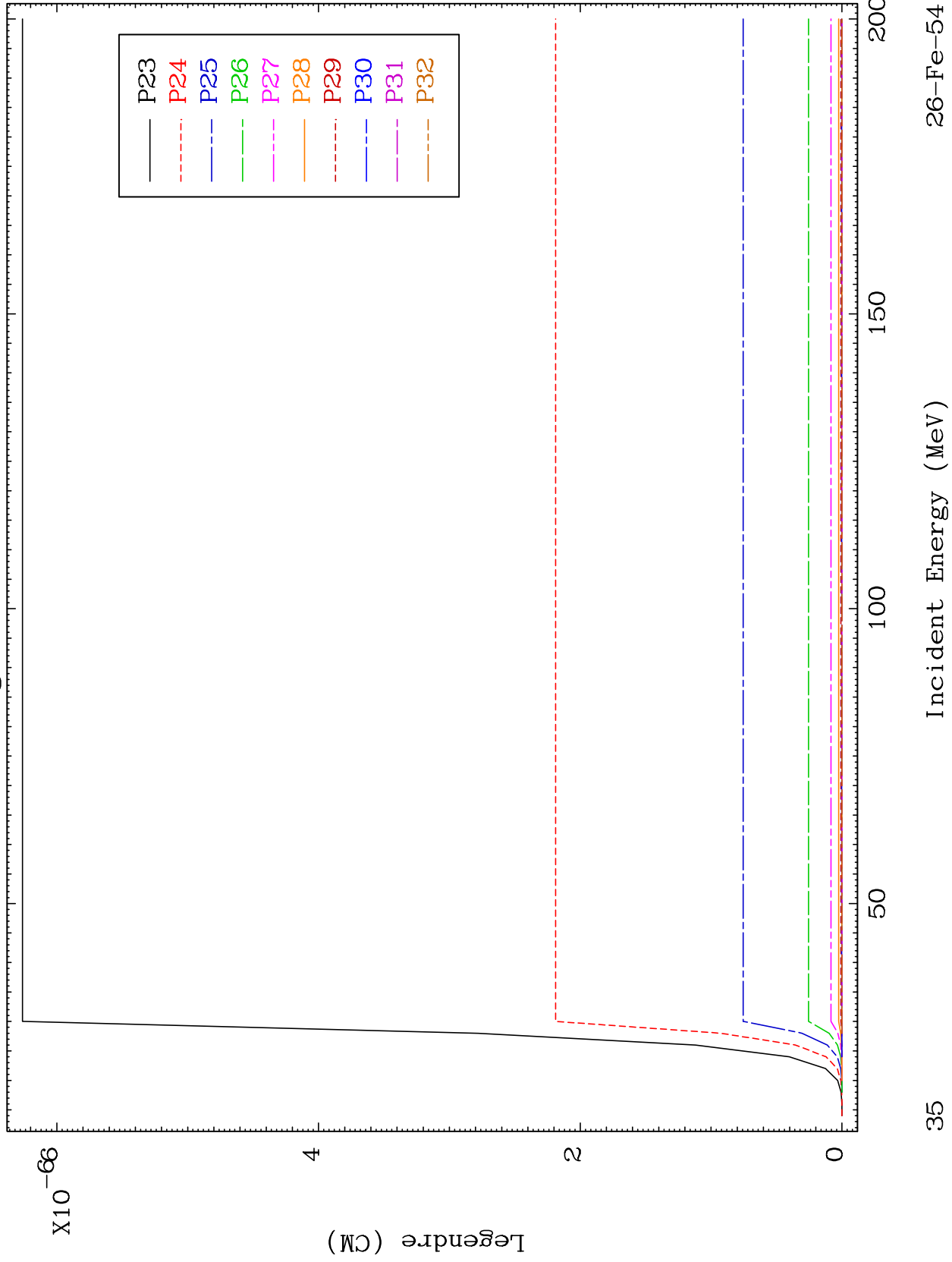


34

MAT 2625

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

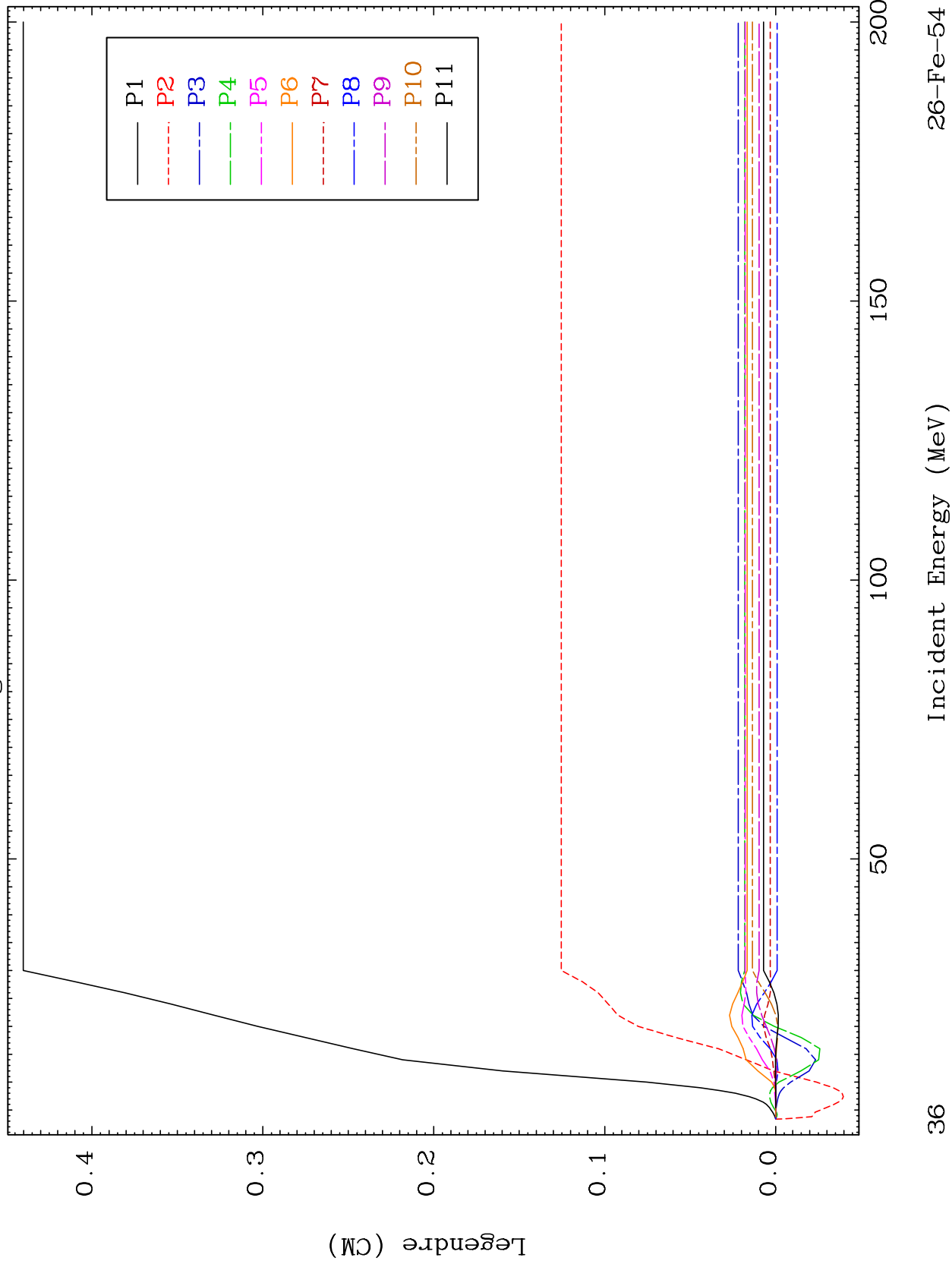
26-Fe-54



MAT 2625

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

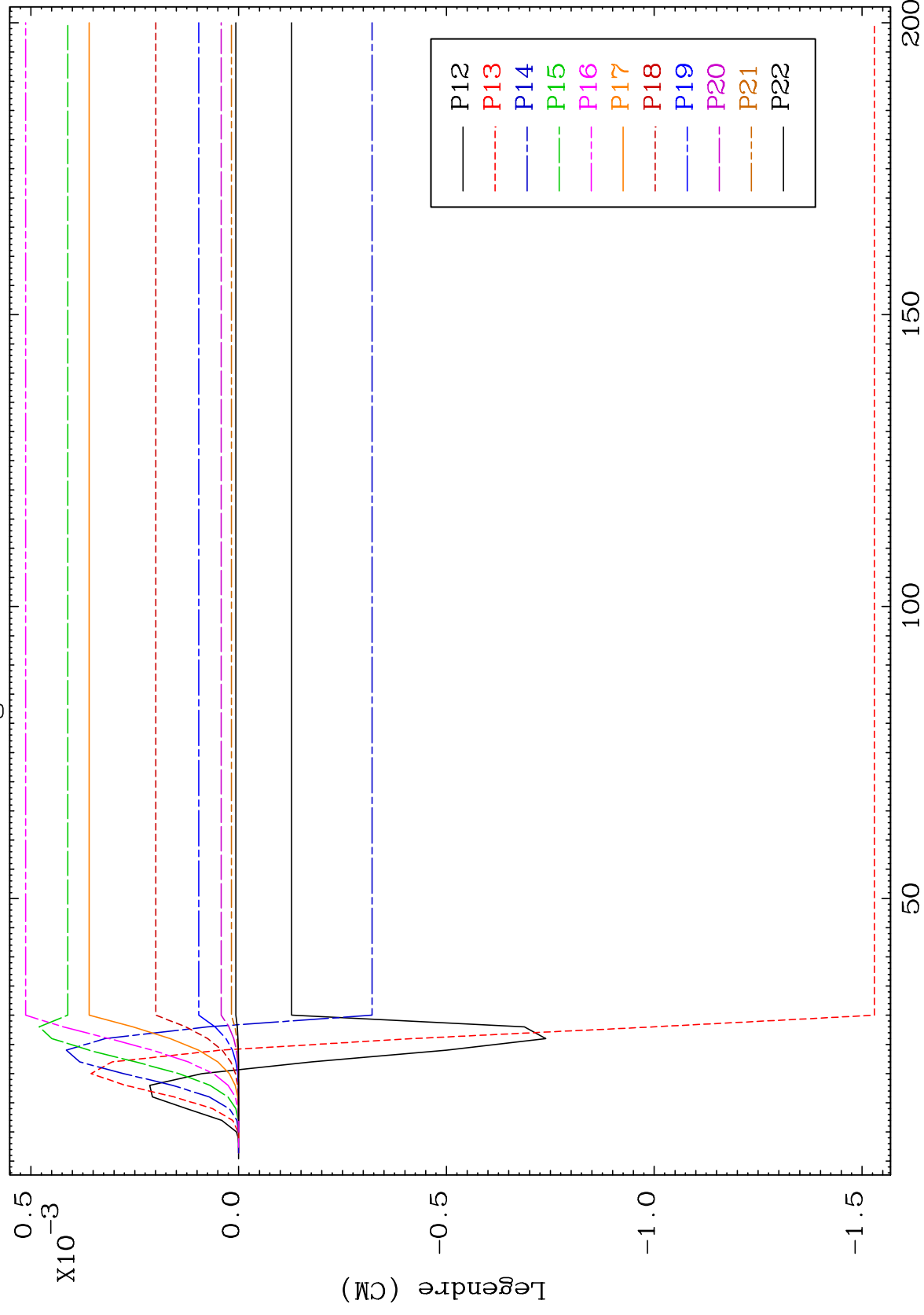
26-Fe-54

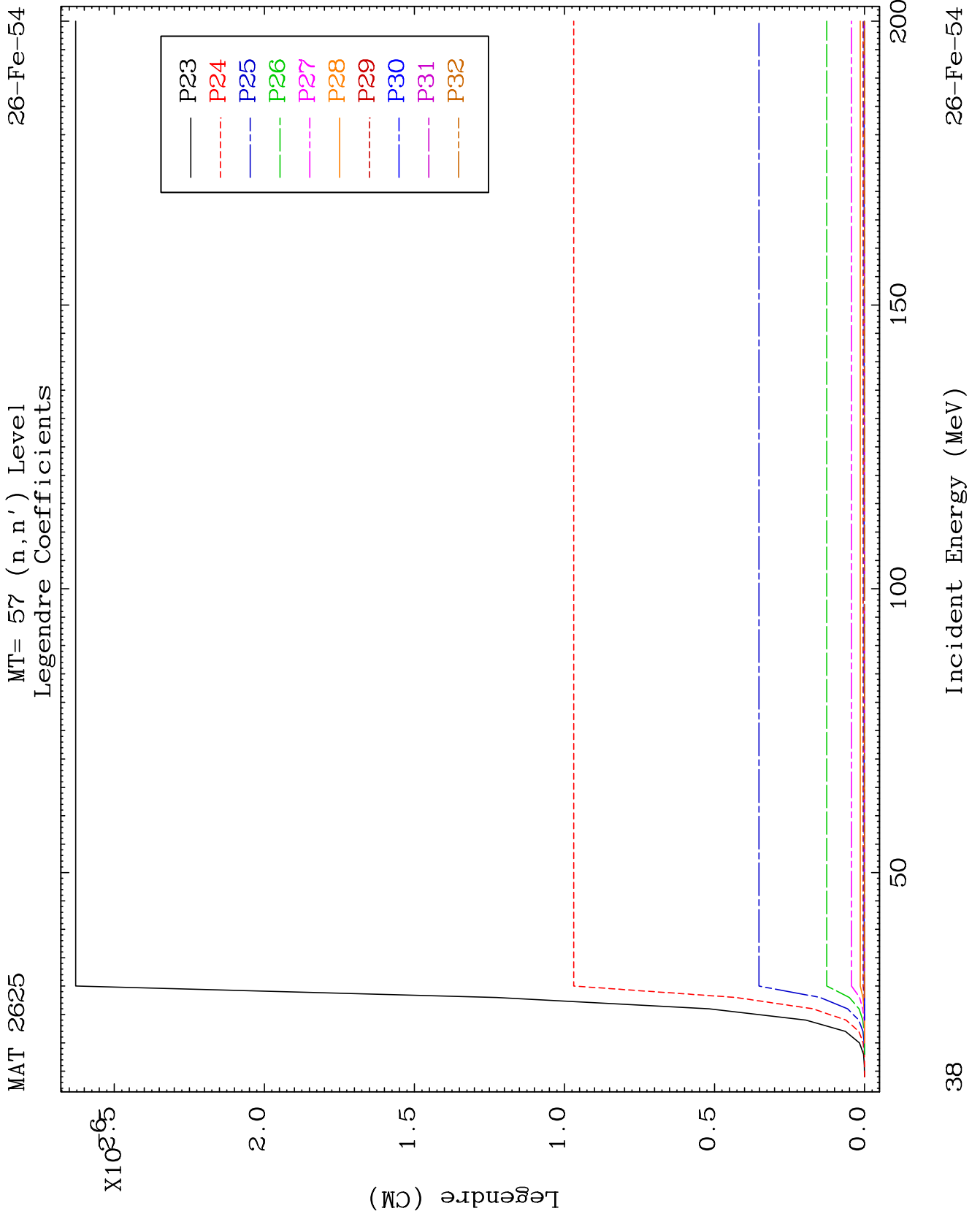


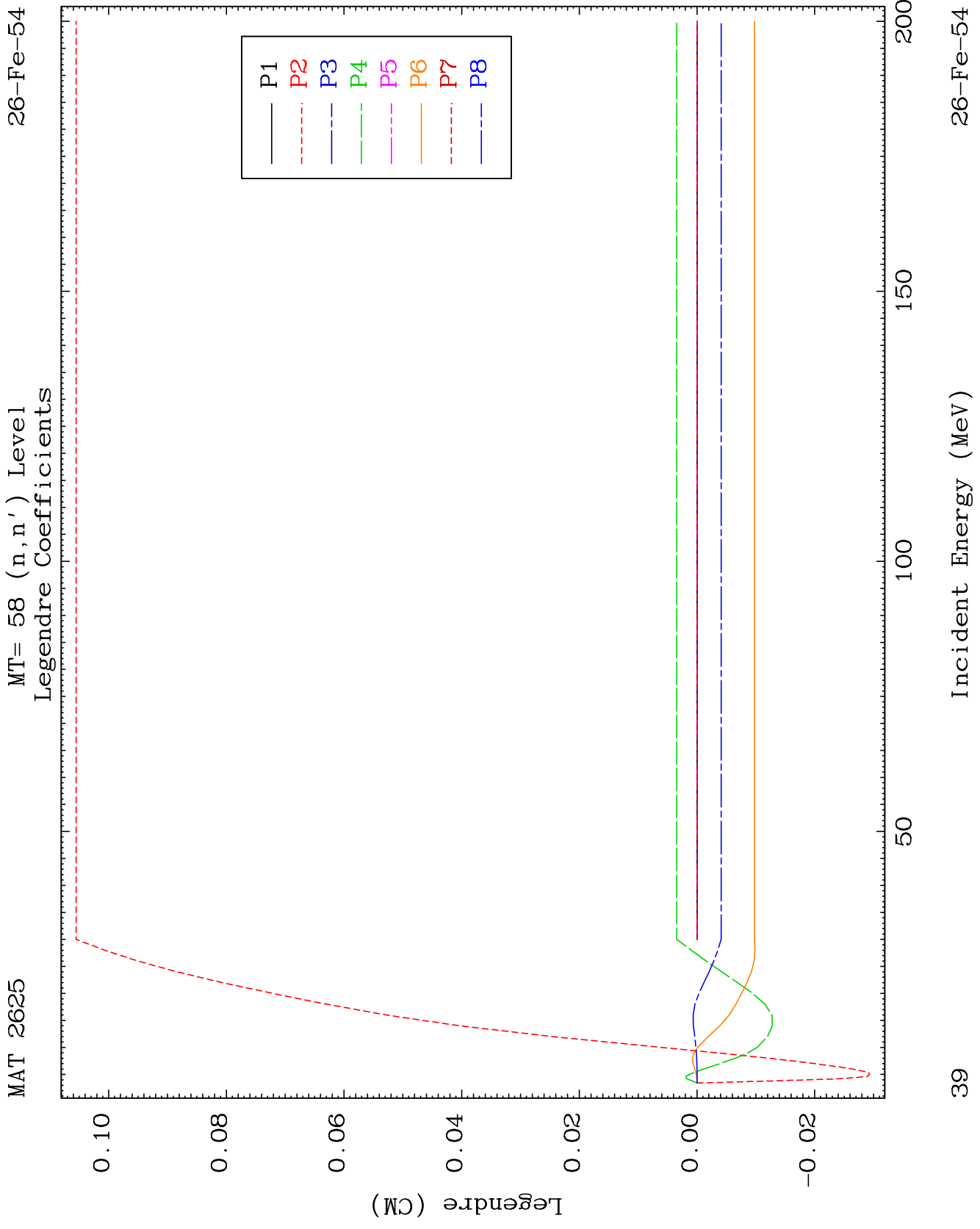
36

Incident Energy (MeV)

26-Fe-54



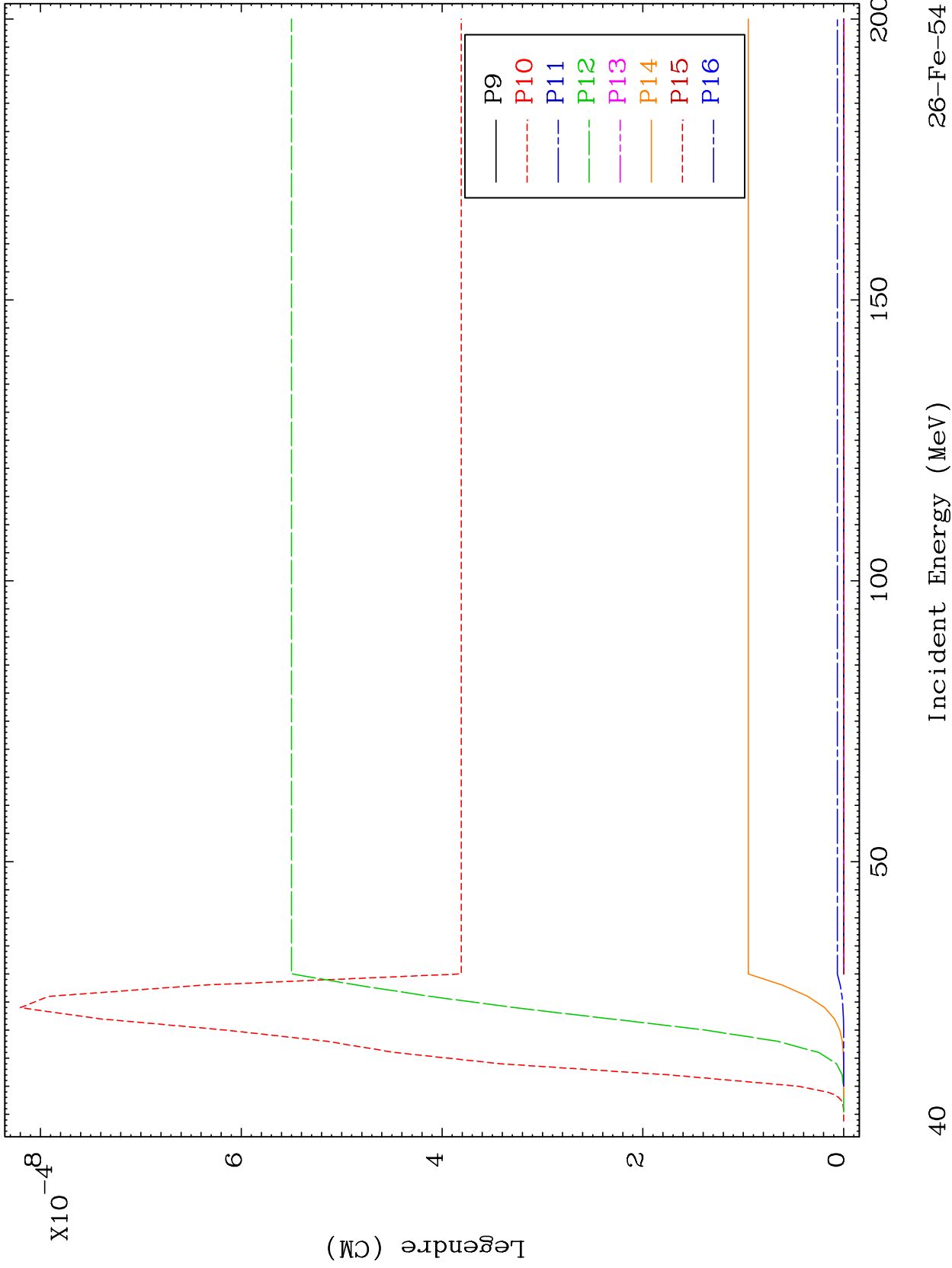


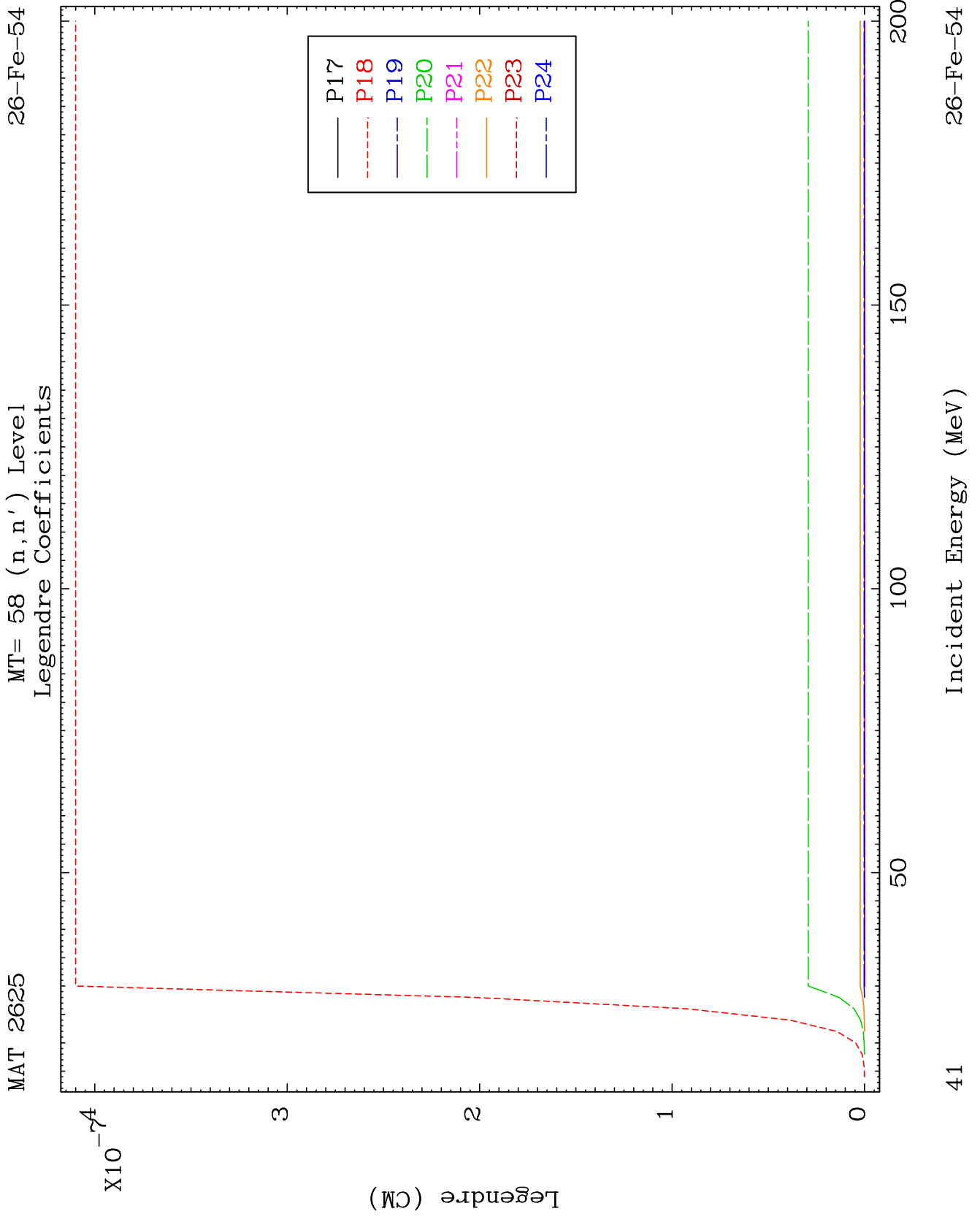


MAT 2625

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

26-Fe-54

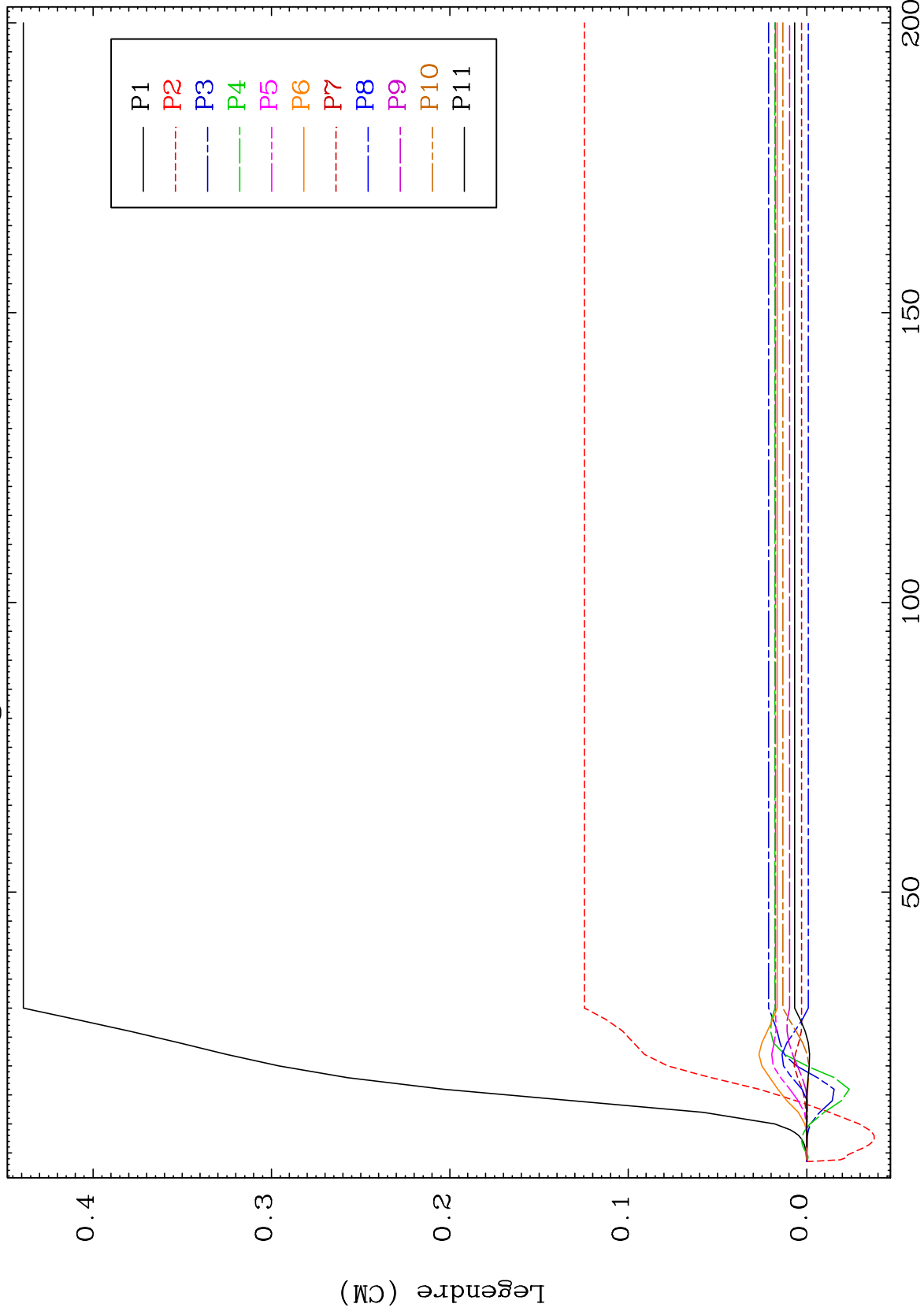




MAT 2625

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

26-Fe-54



42

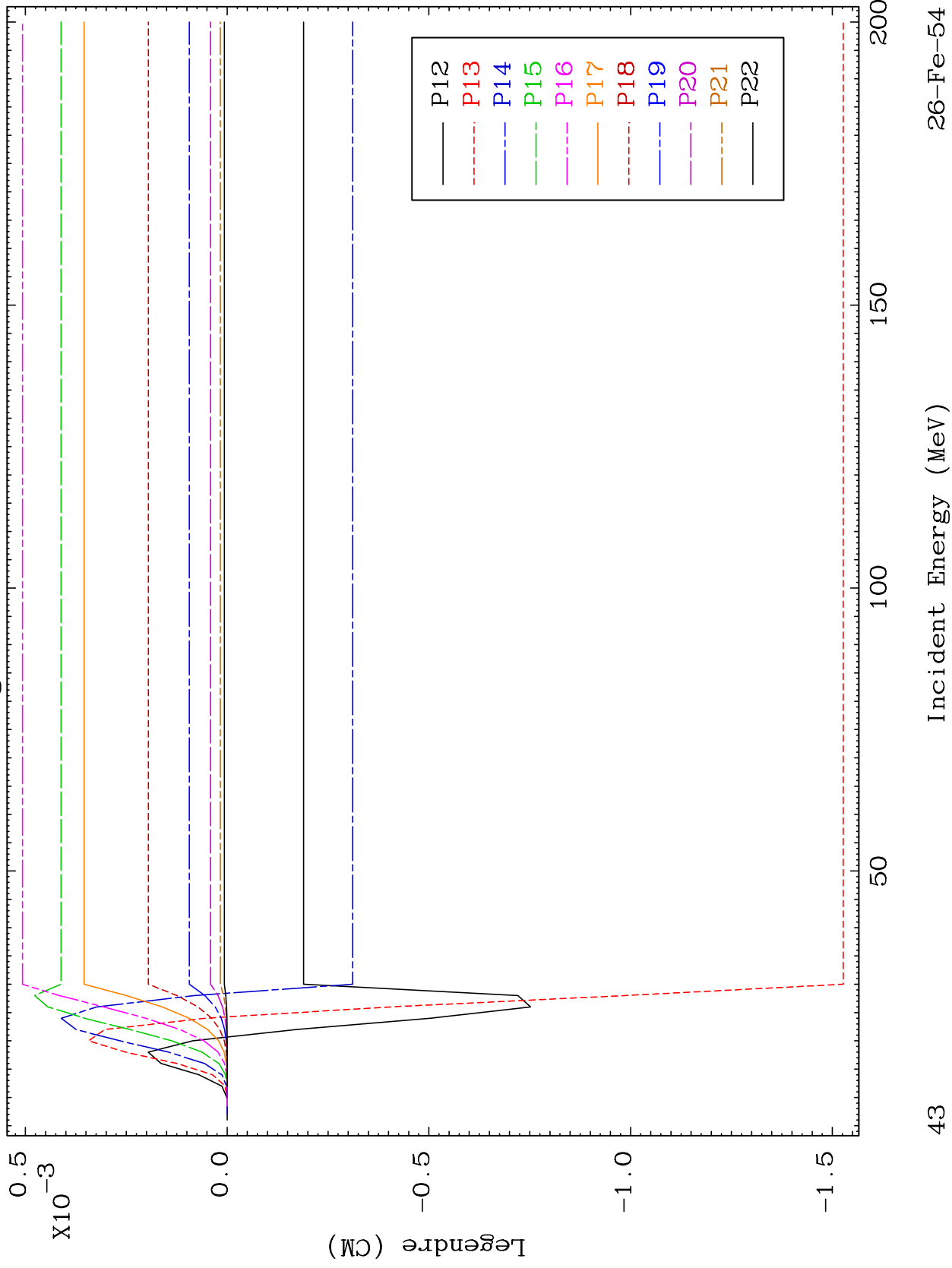
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54



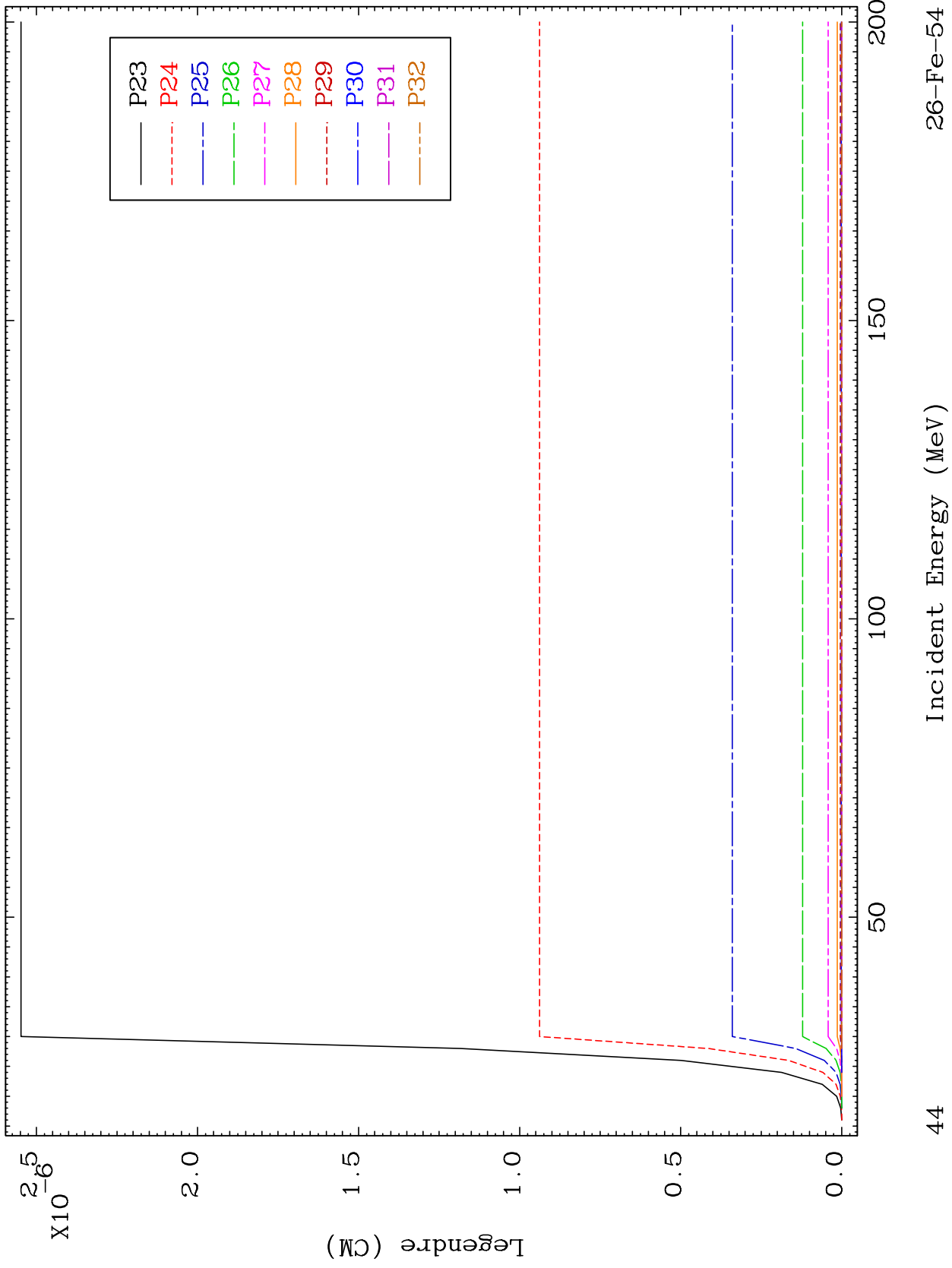
43

26-Fe-54

MAT 2625

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

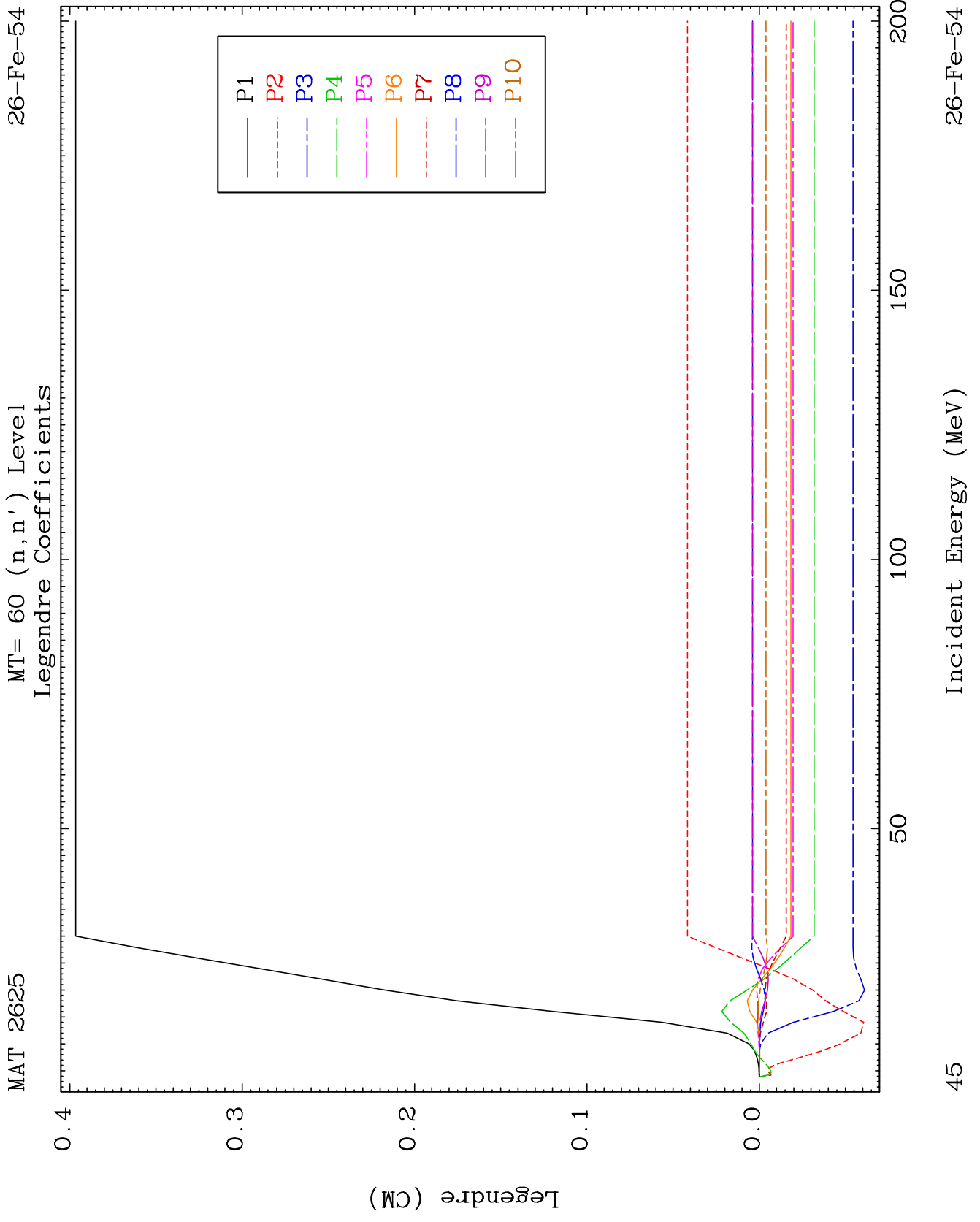
26-Fe-54



44

Incident Energy (MeV)

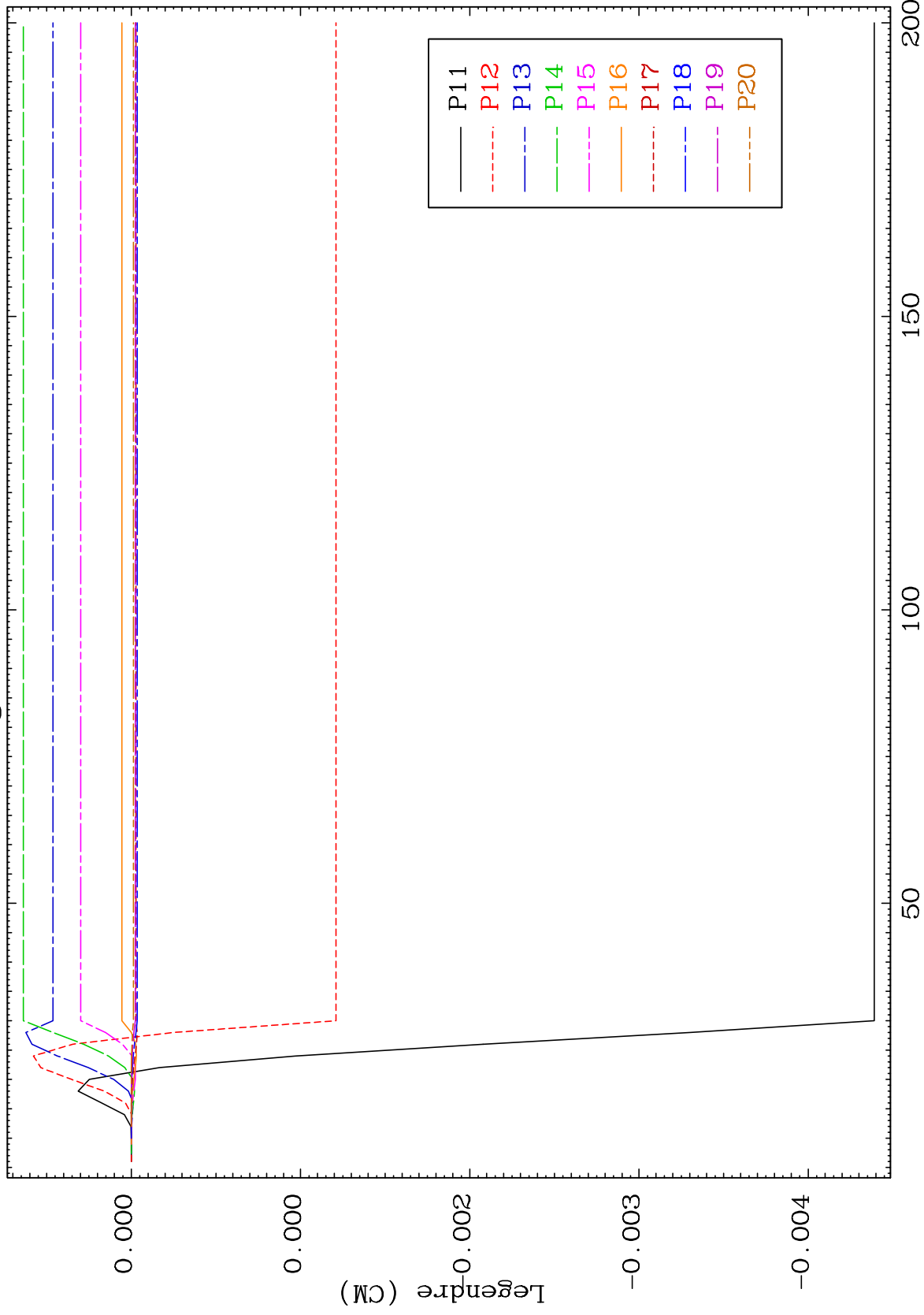
26-Fe-54



MAT 2625

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

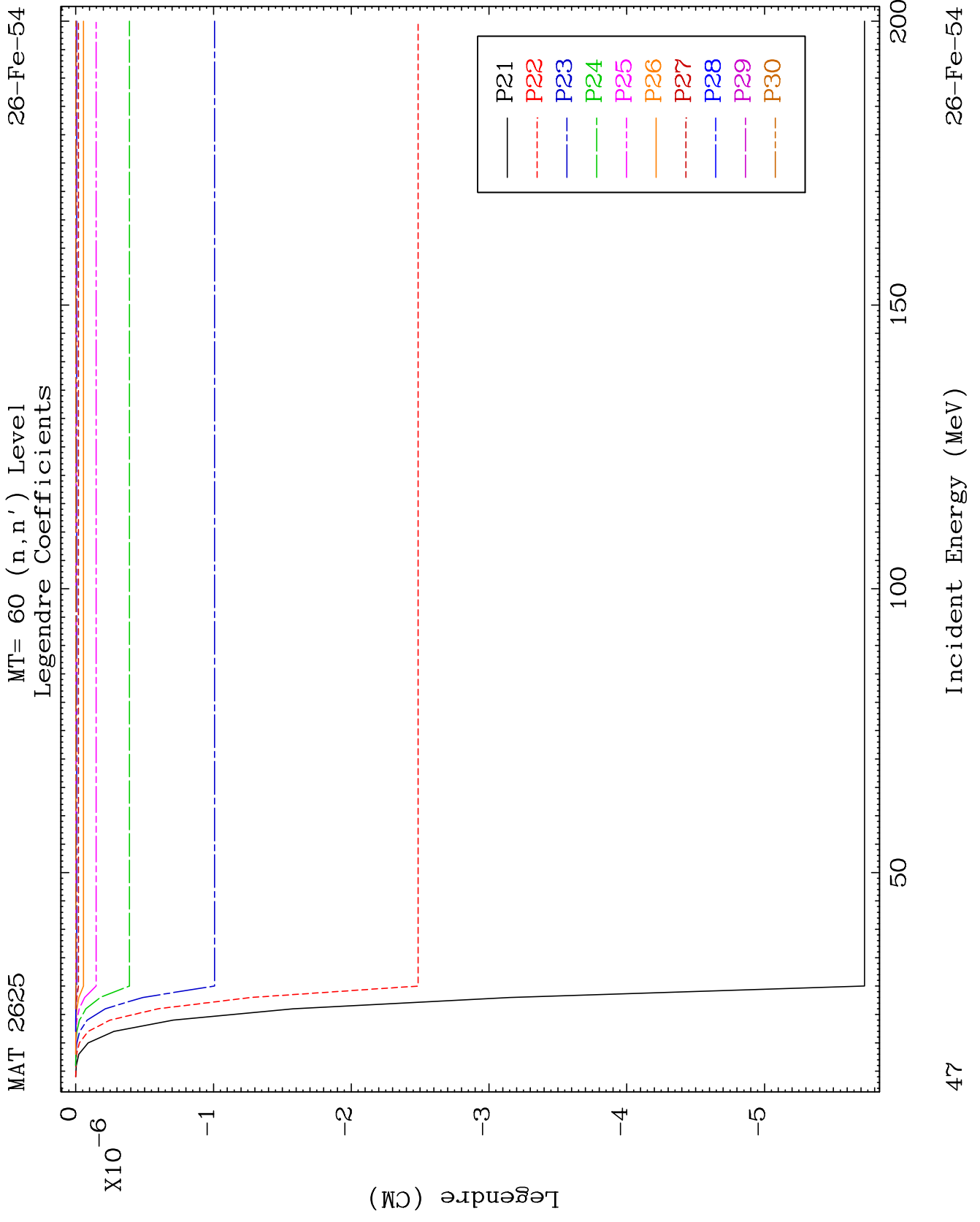
26-Fe-54

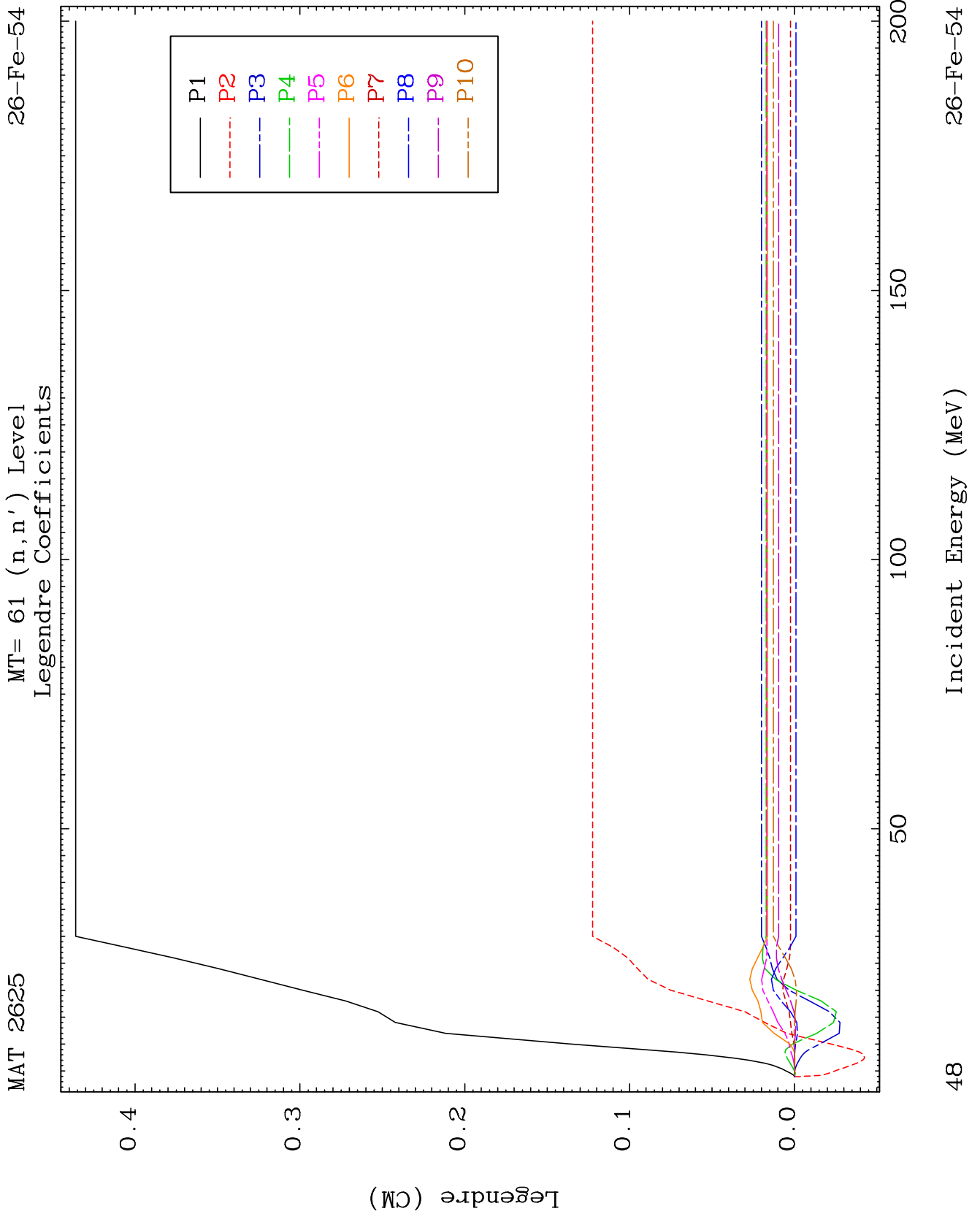


46

Incident Energy (MeV)

26-Fe-54

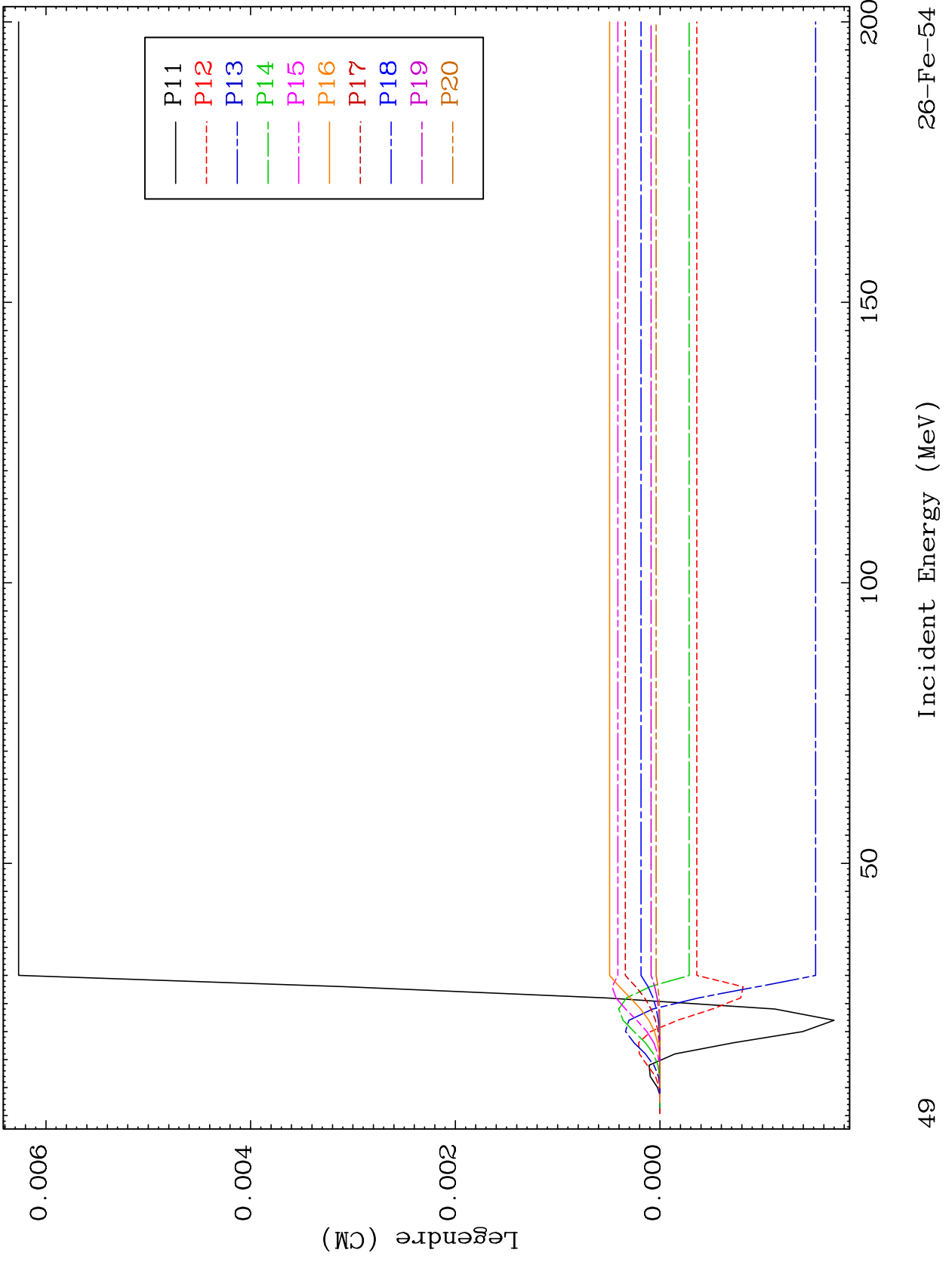




MAT 2625

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

26-Fe-54



49

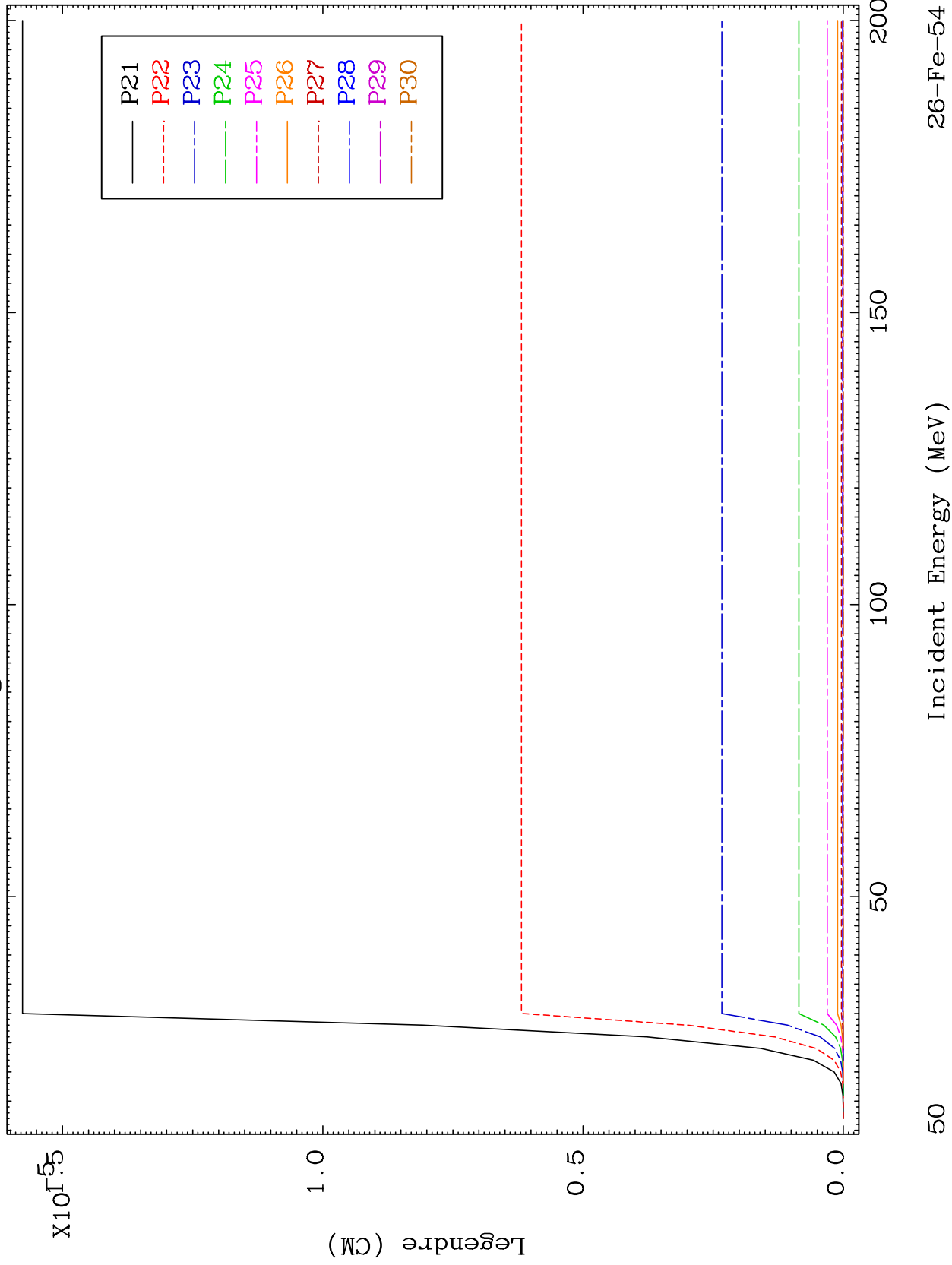
Incident Energy (MeV)

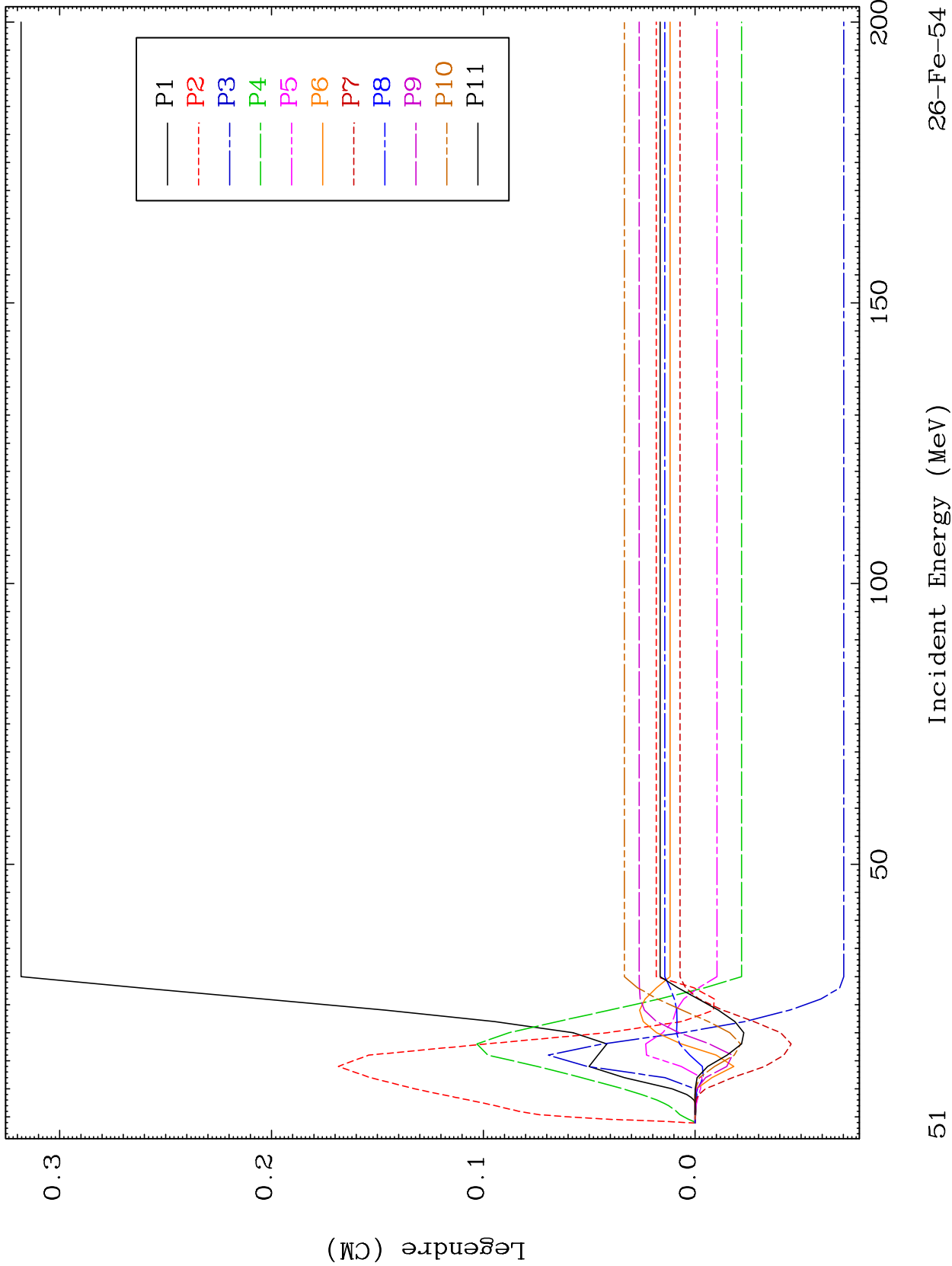
26-Fe-54

MAT 2625

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

26-Fe-54

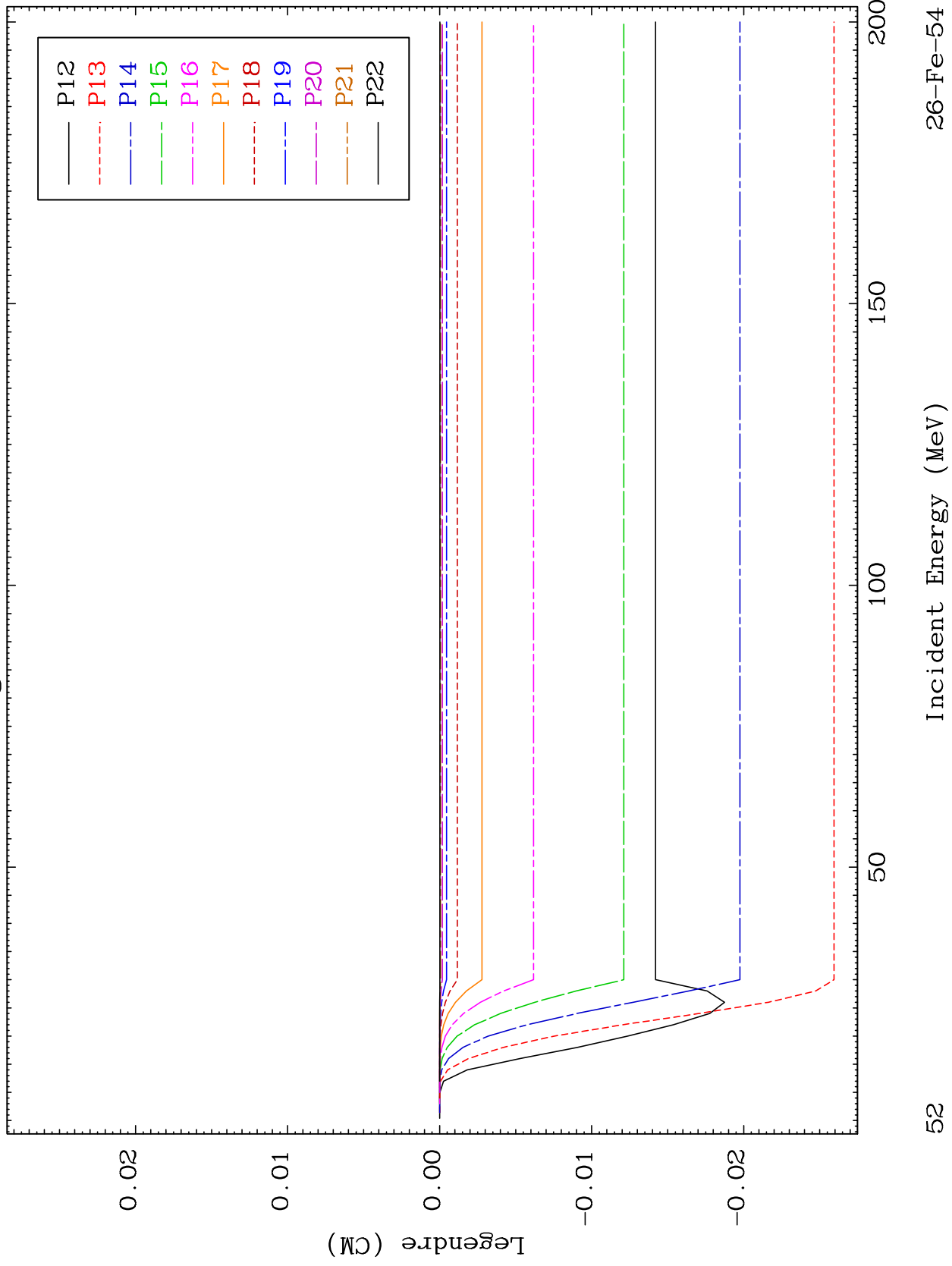




MAT 2625

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

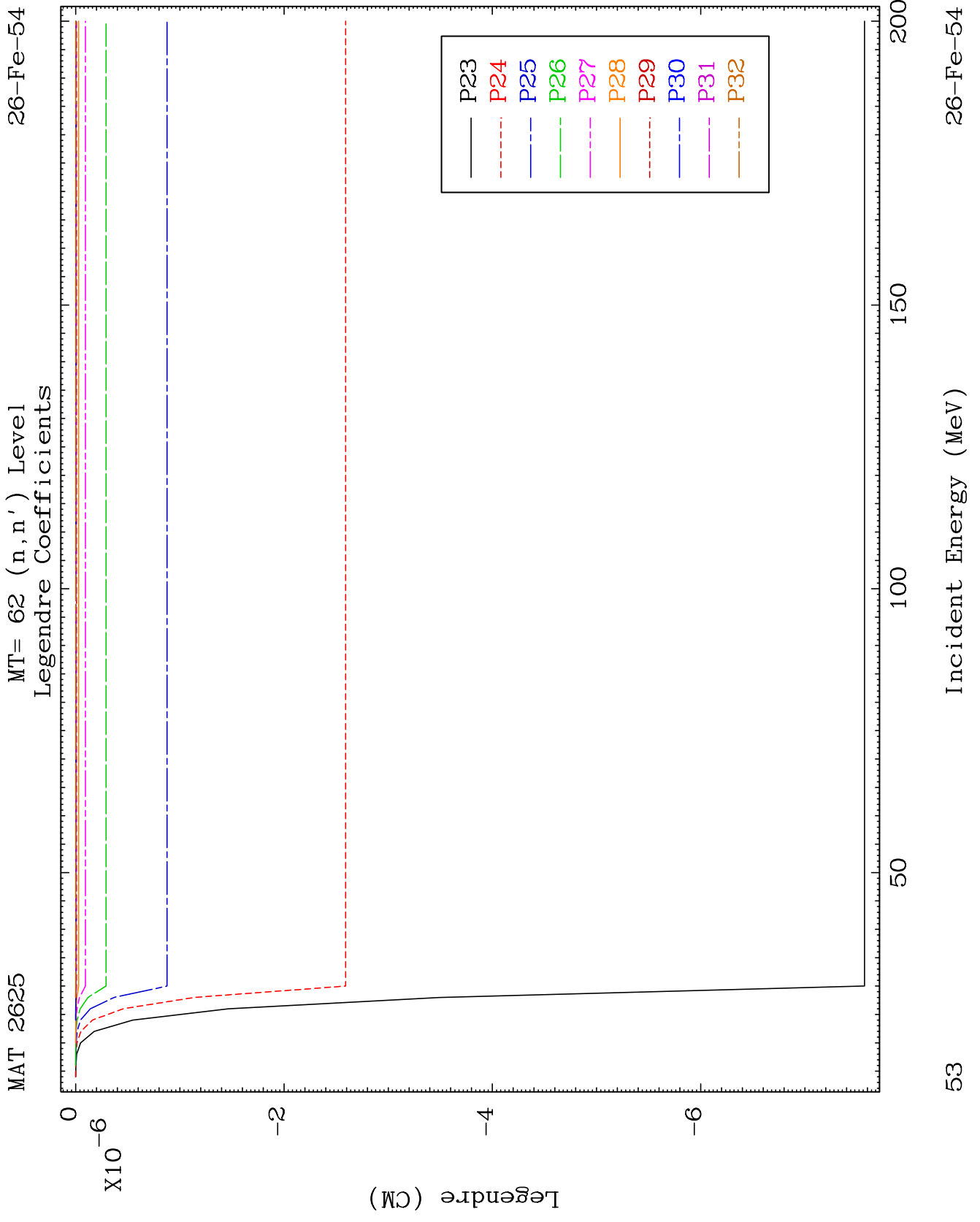
26-Fe-54

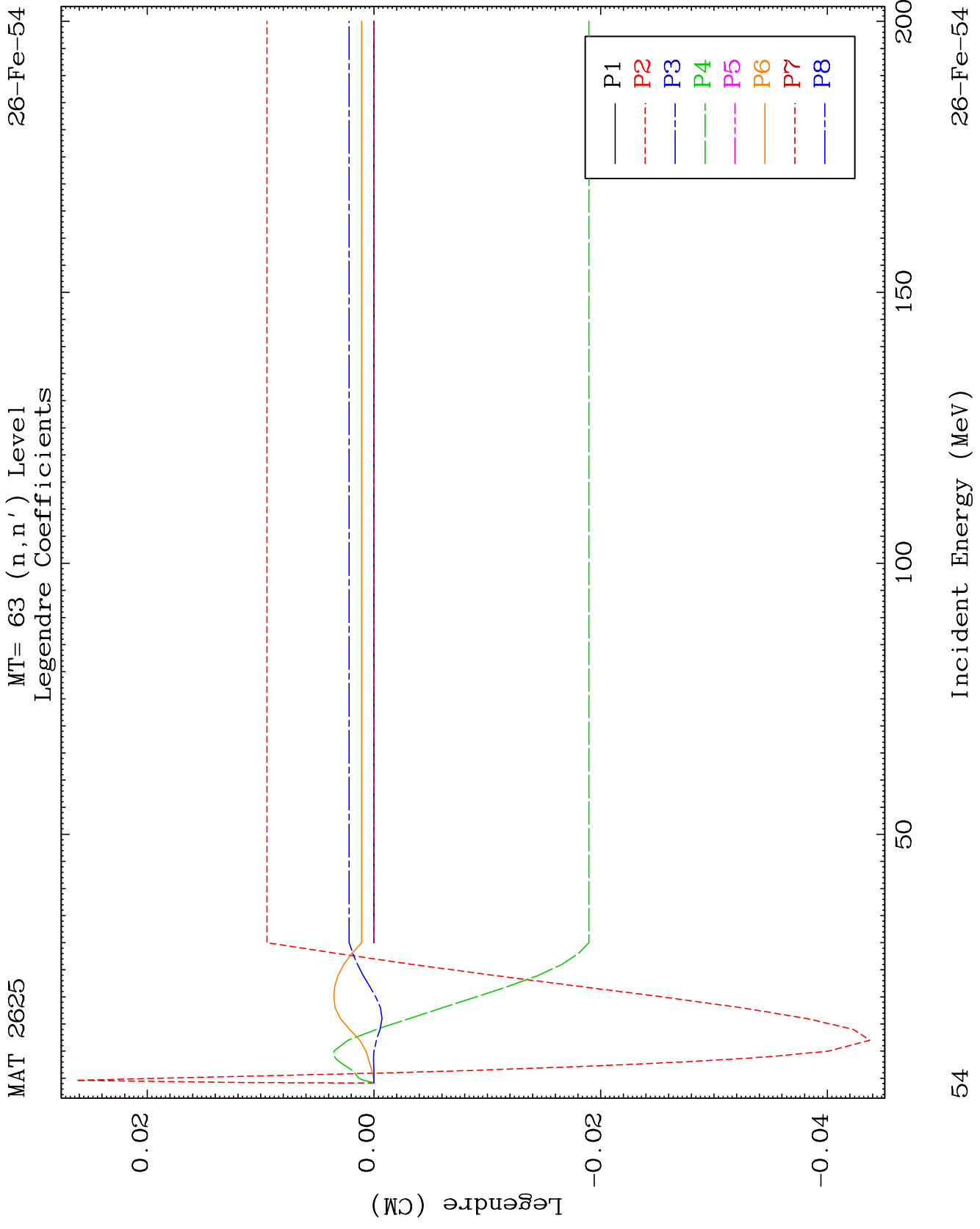


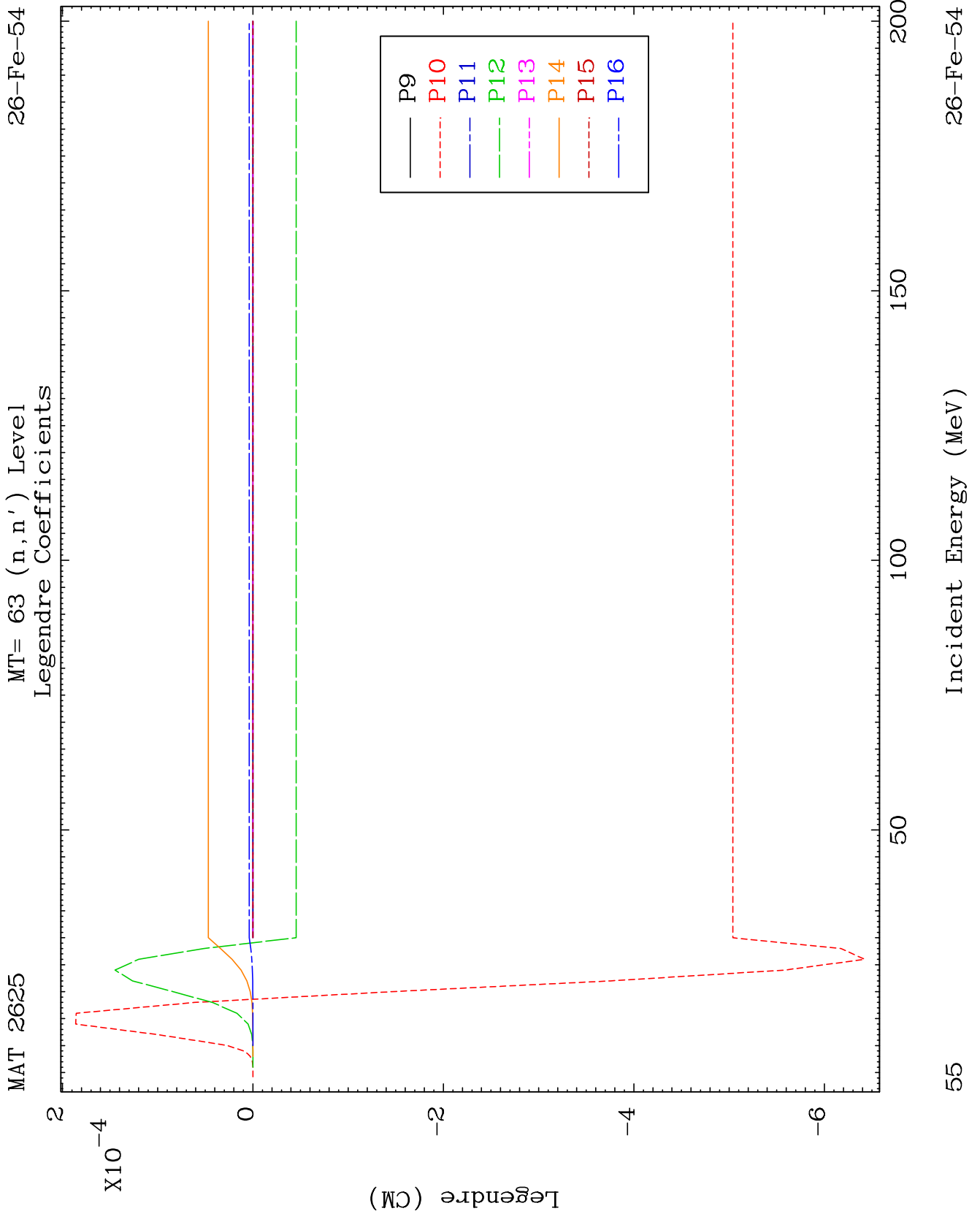
52

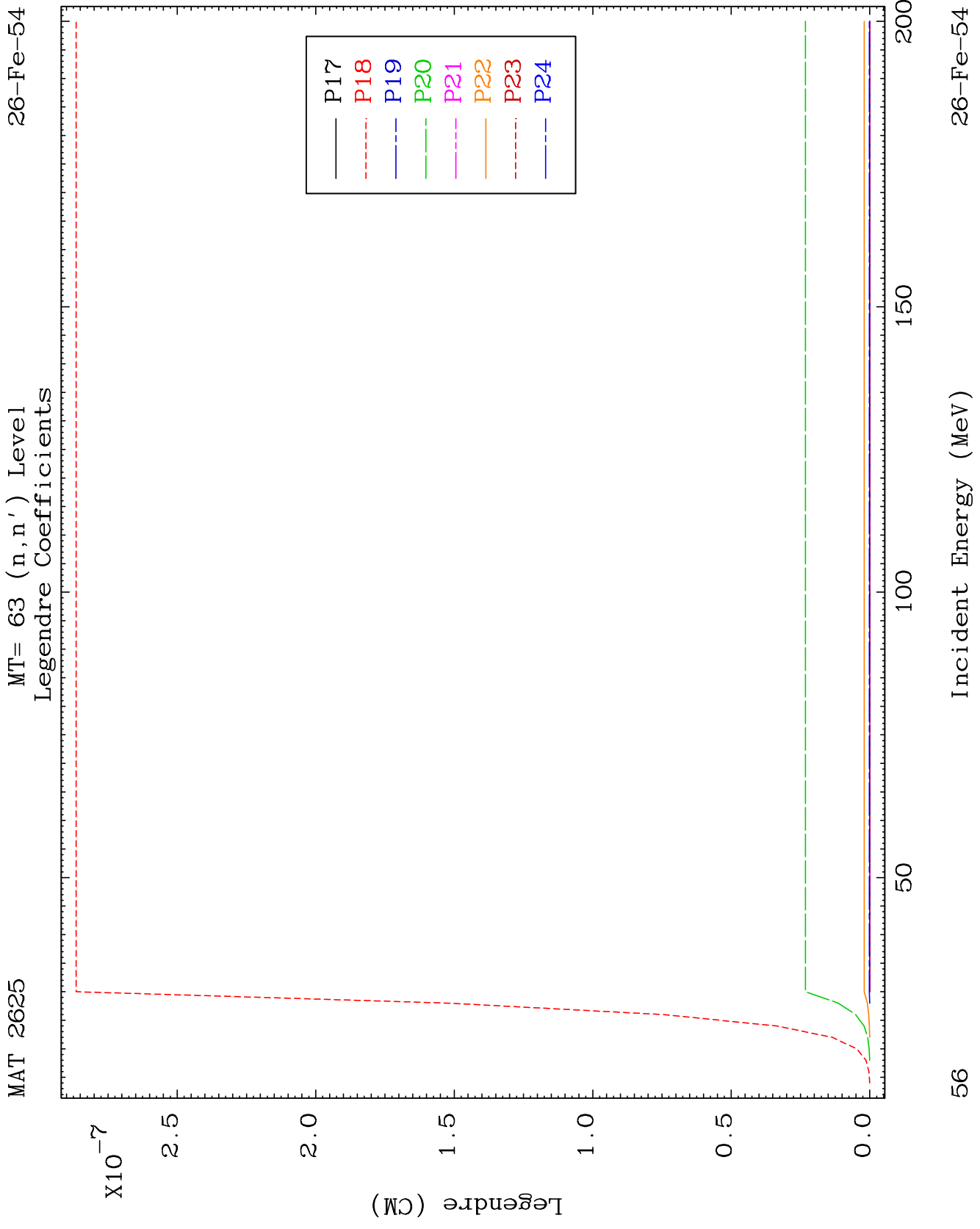
Incident Energy (MeV)

26-Fe-54





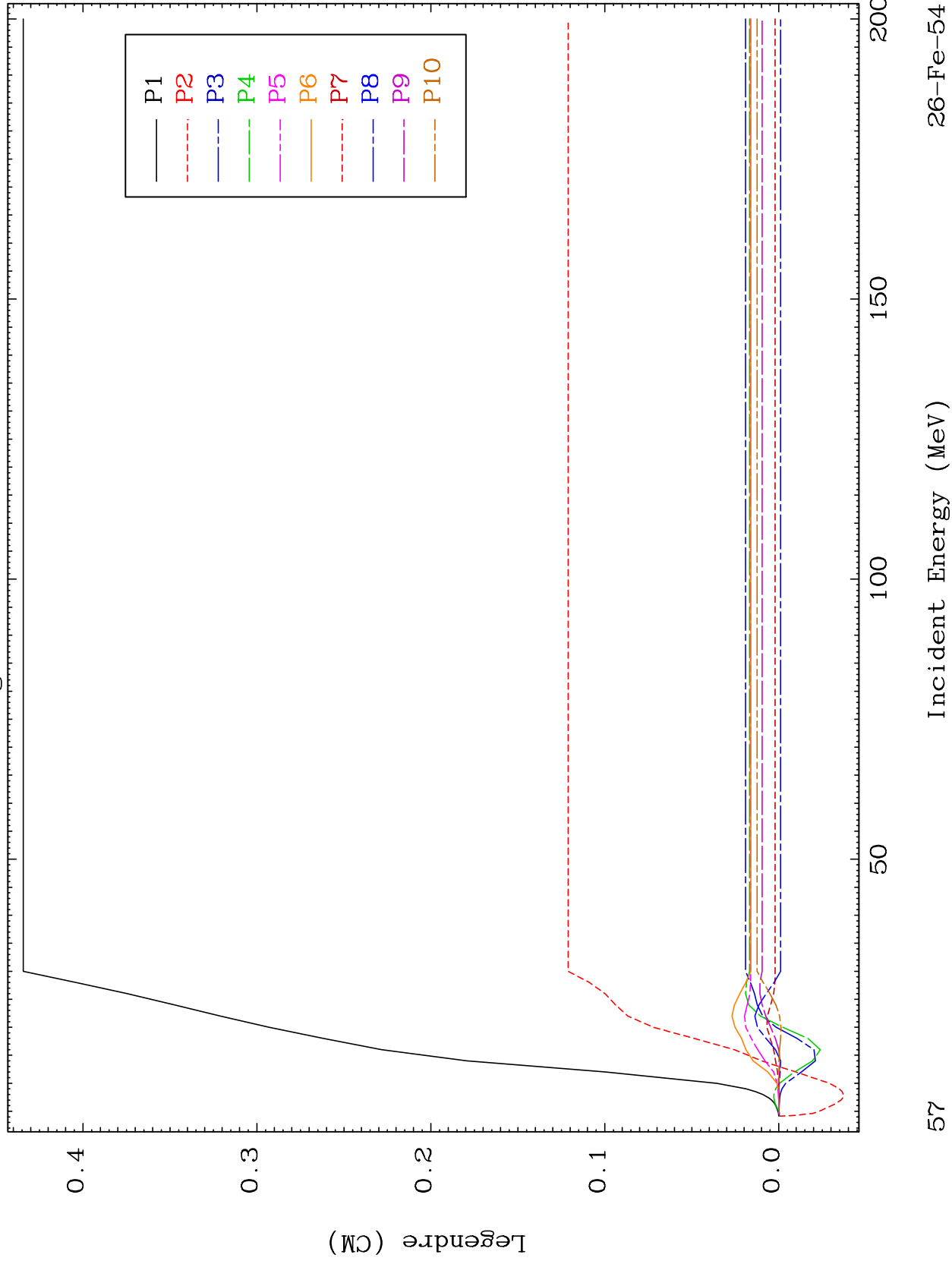




MAT 2625

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

26-Fe-54



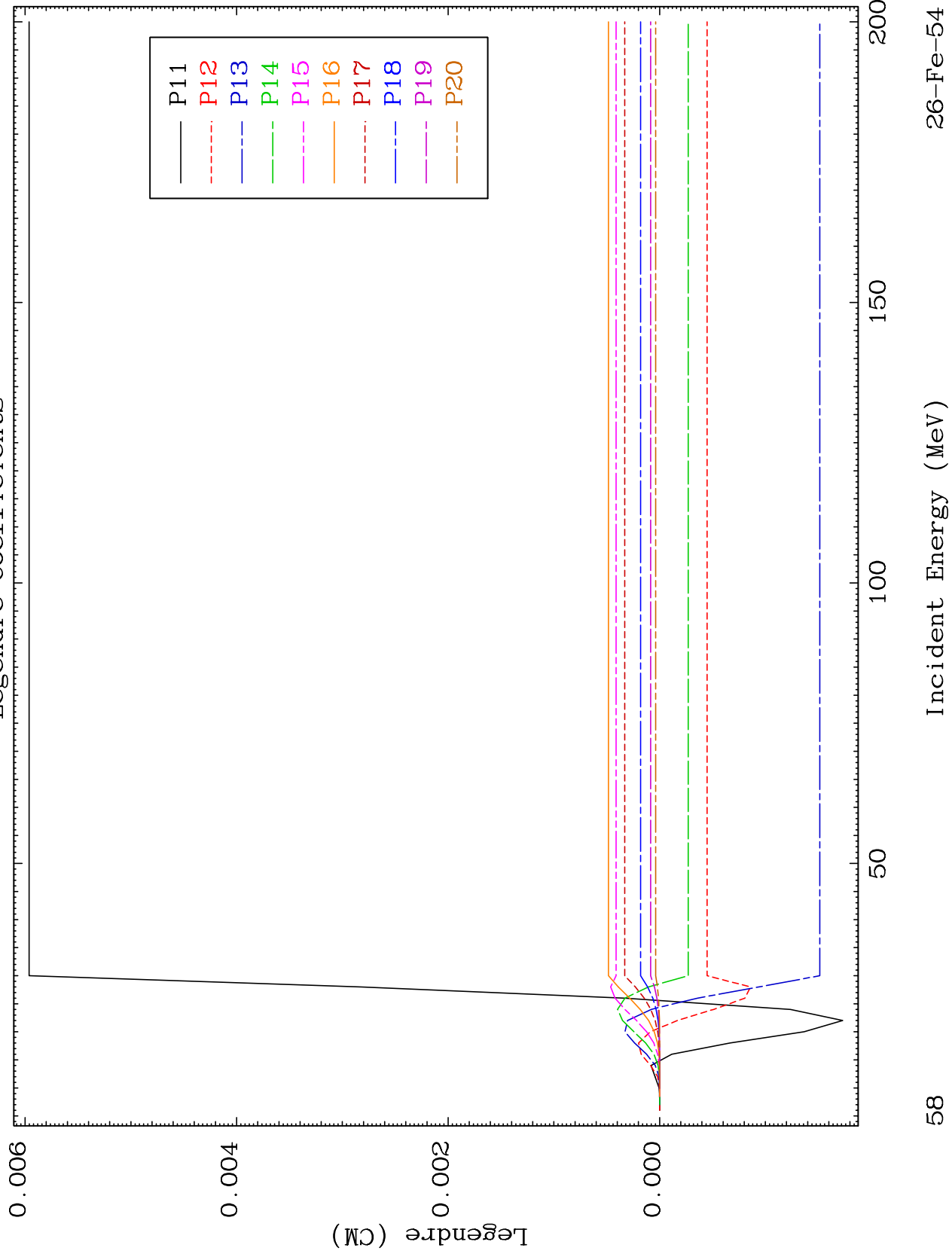
57

26-Fe-54

MAT 2625

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

26-Fe-54



58

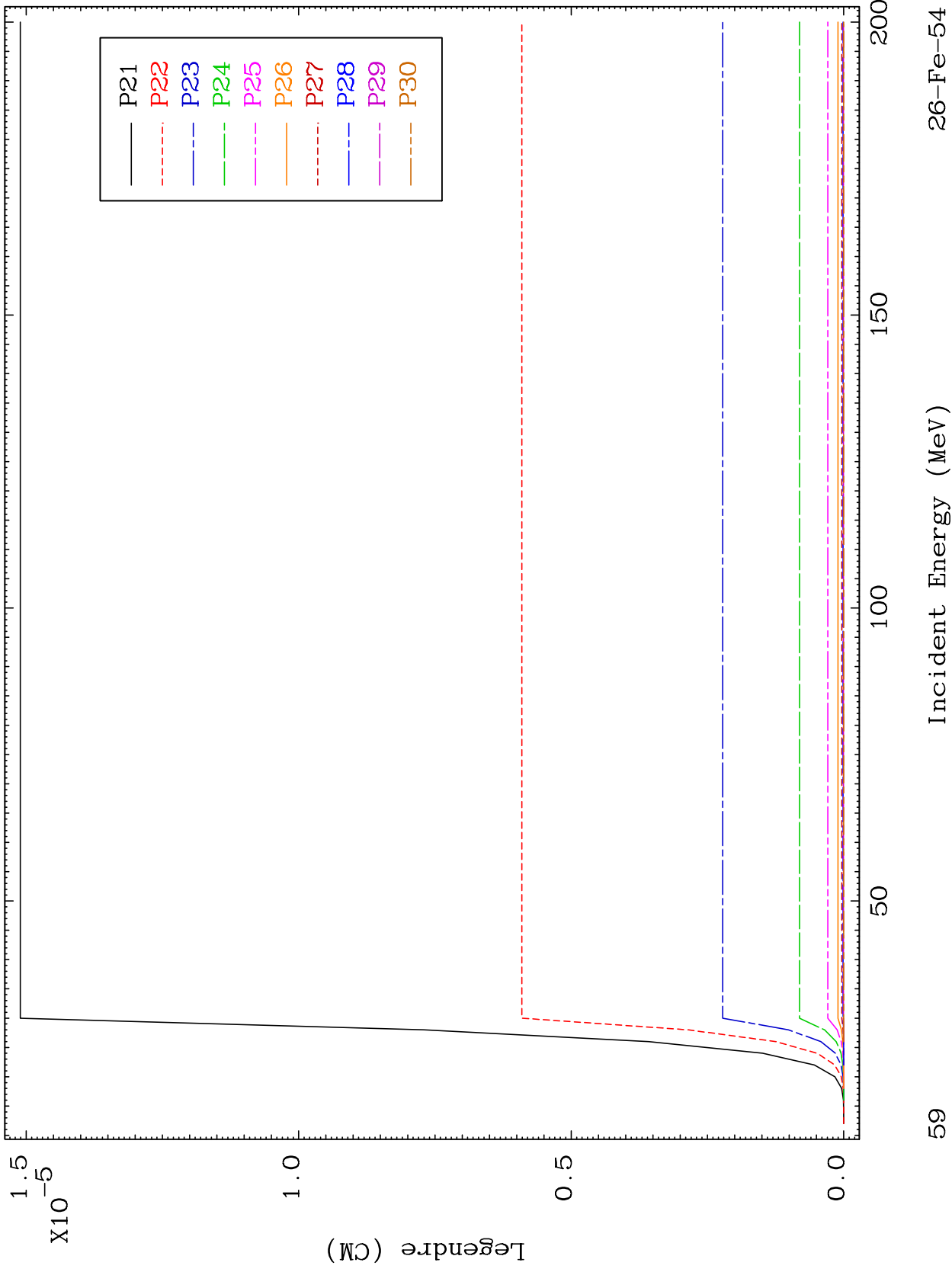
Incident Energy (MeV)

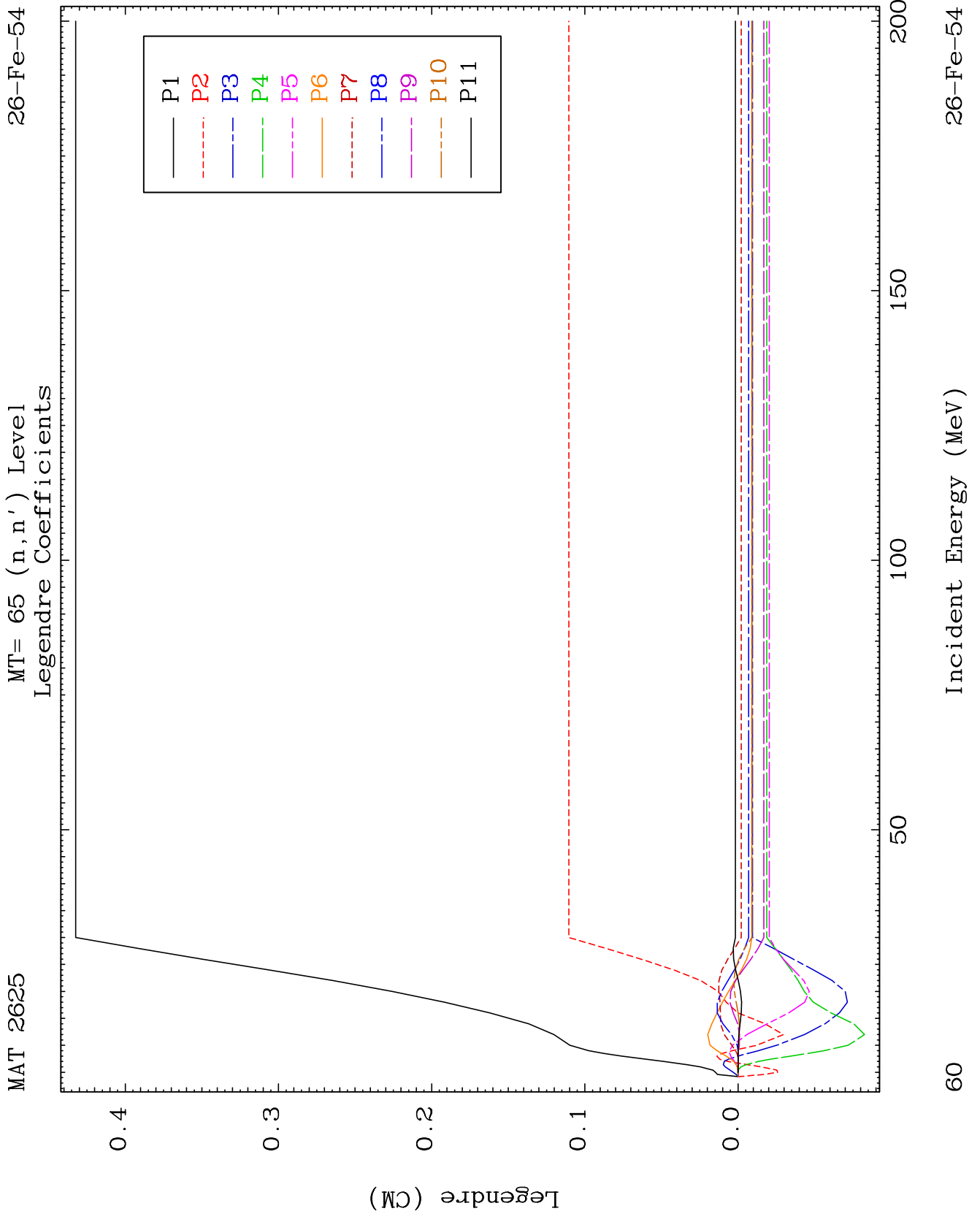
26-Fe-54

MAT 2625

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

26-Fe-54

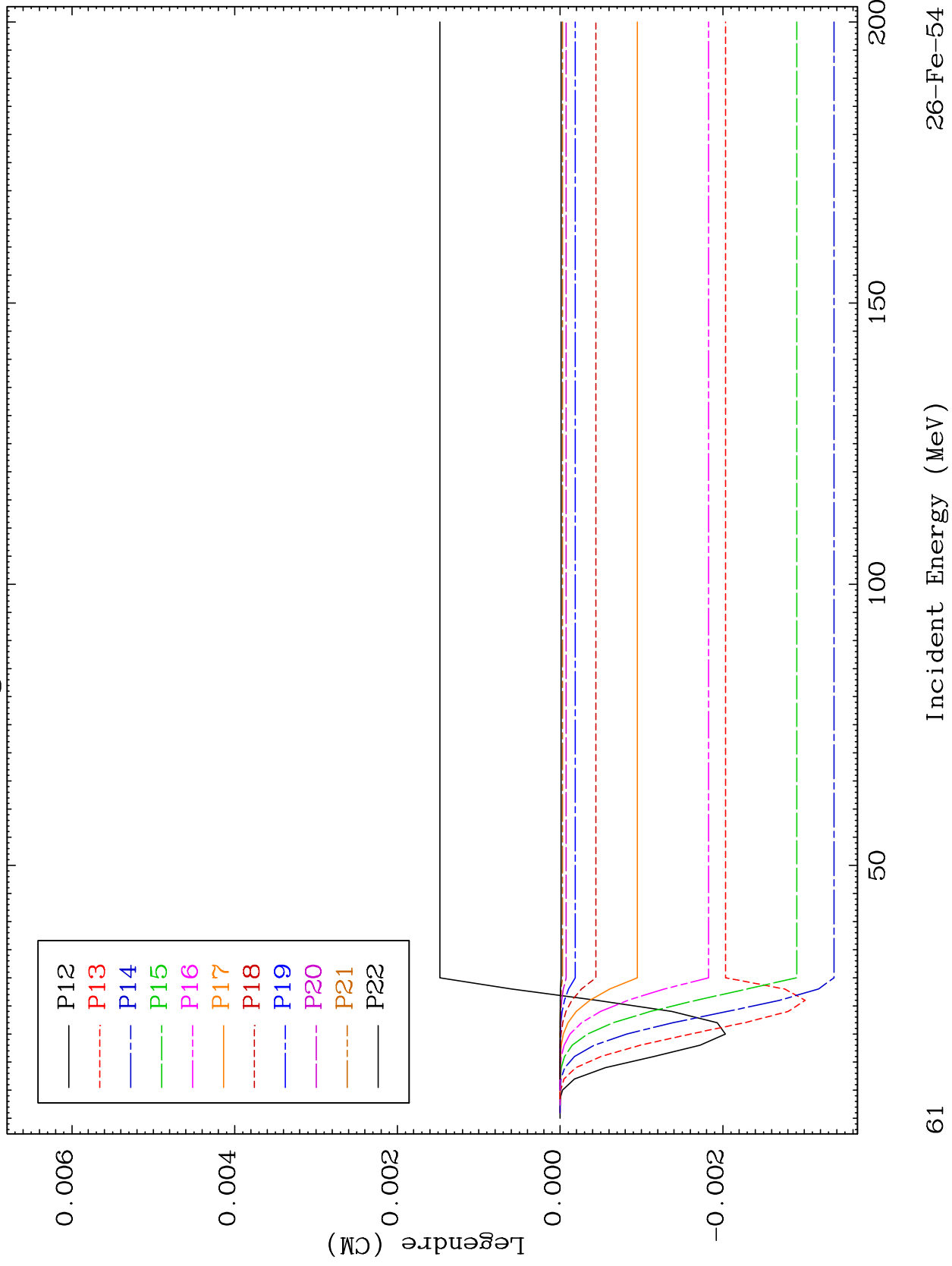


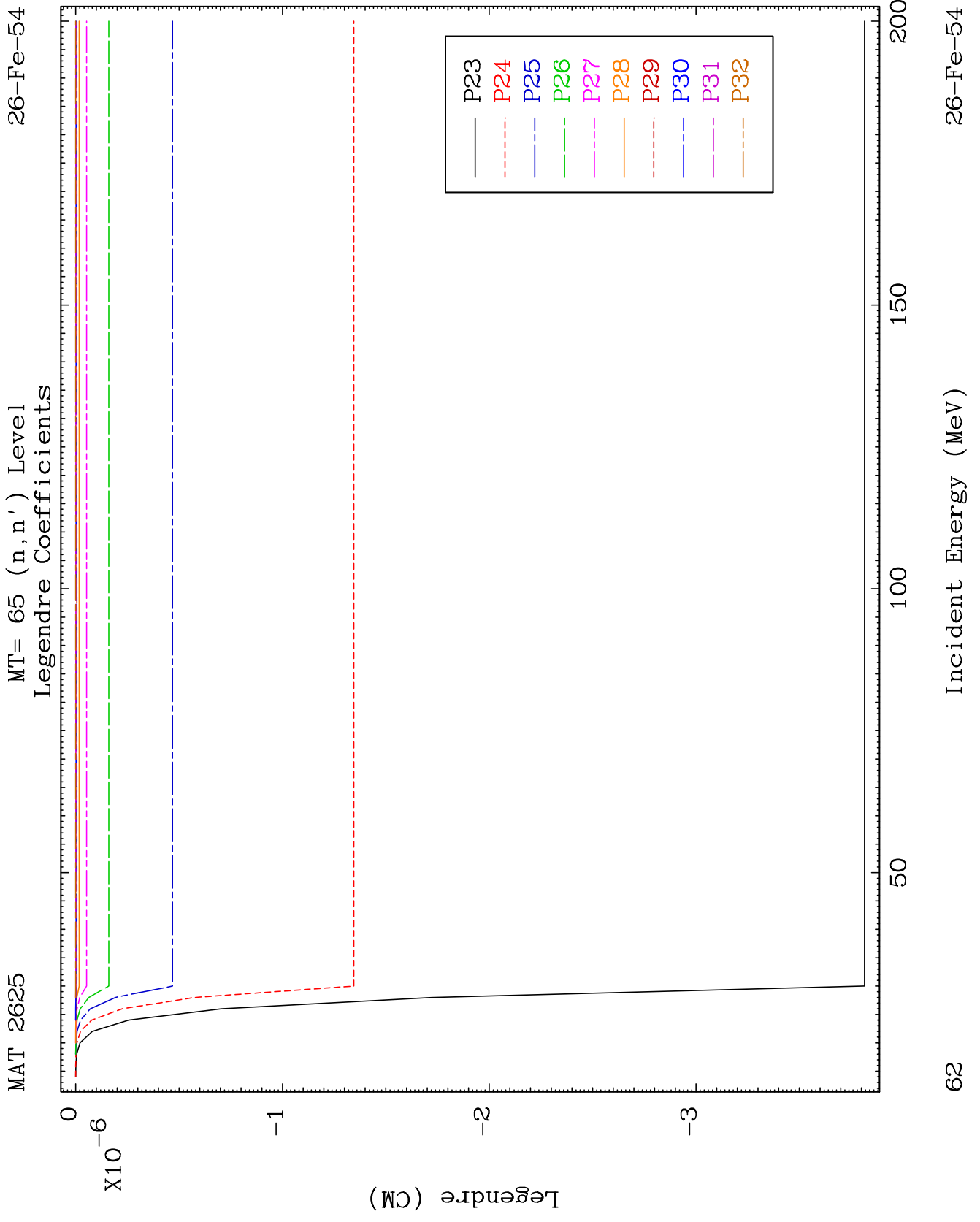


MAT 2625

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

26-Fe-54

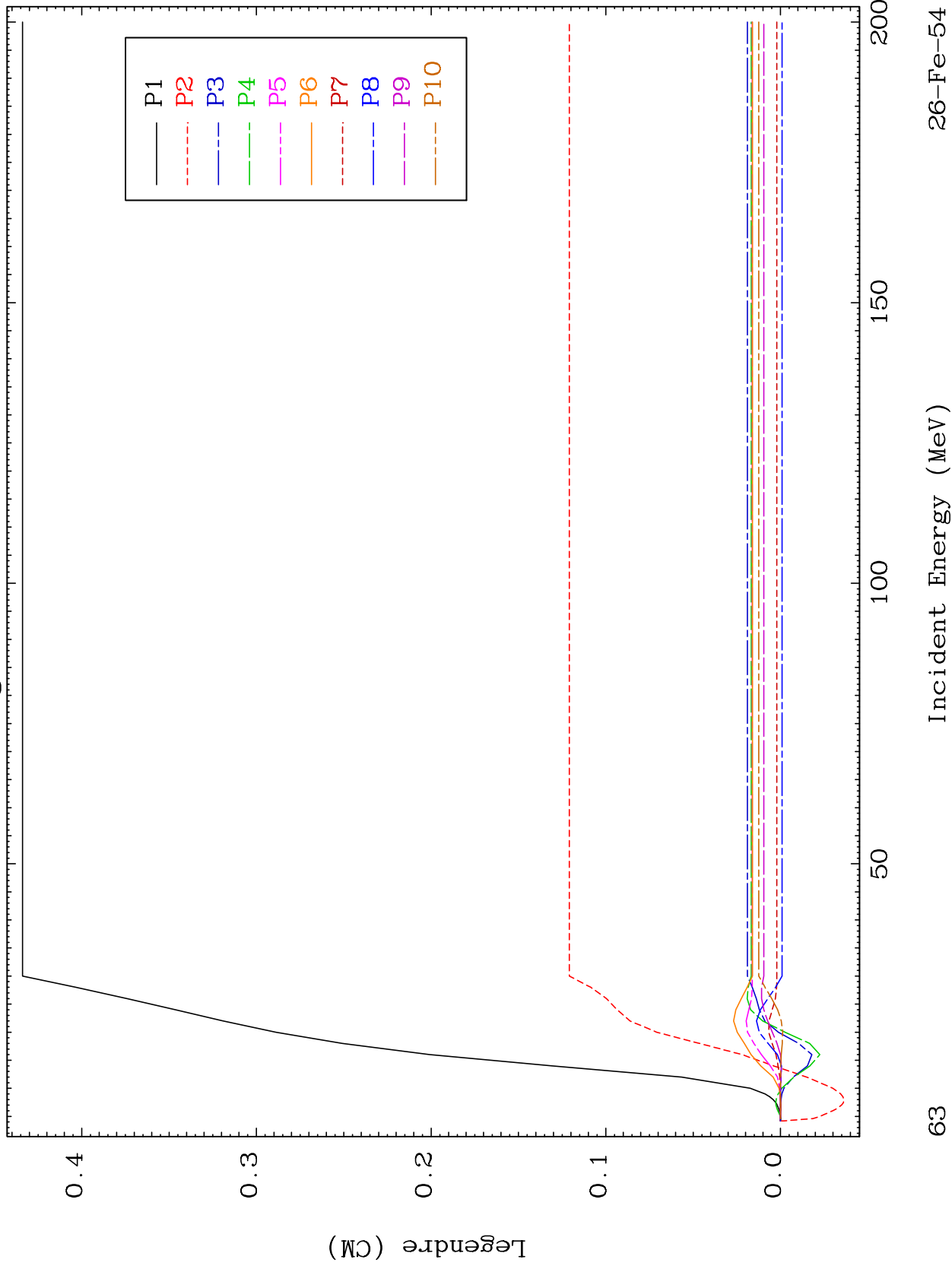




MAT 2625

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

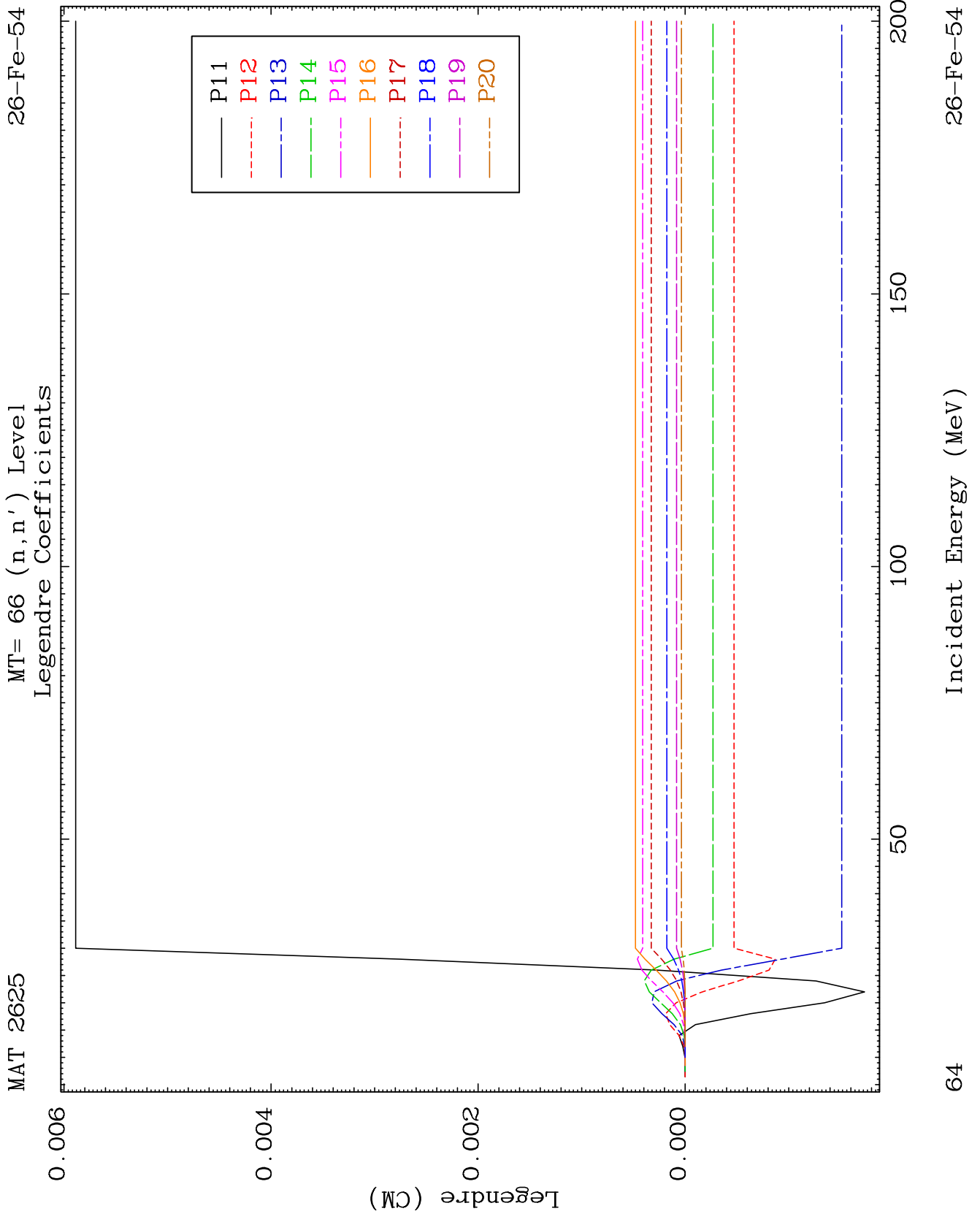
26-Fe-54



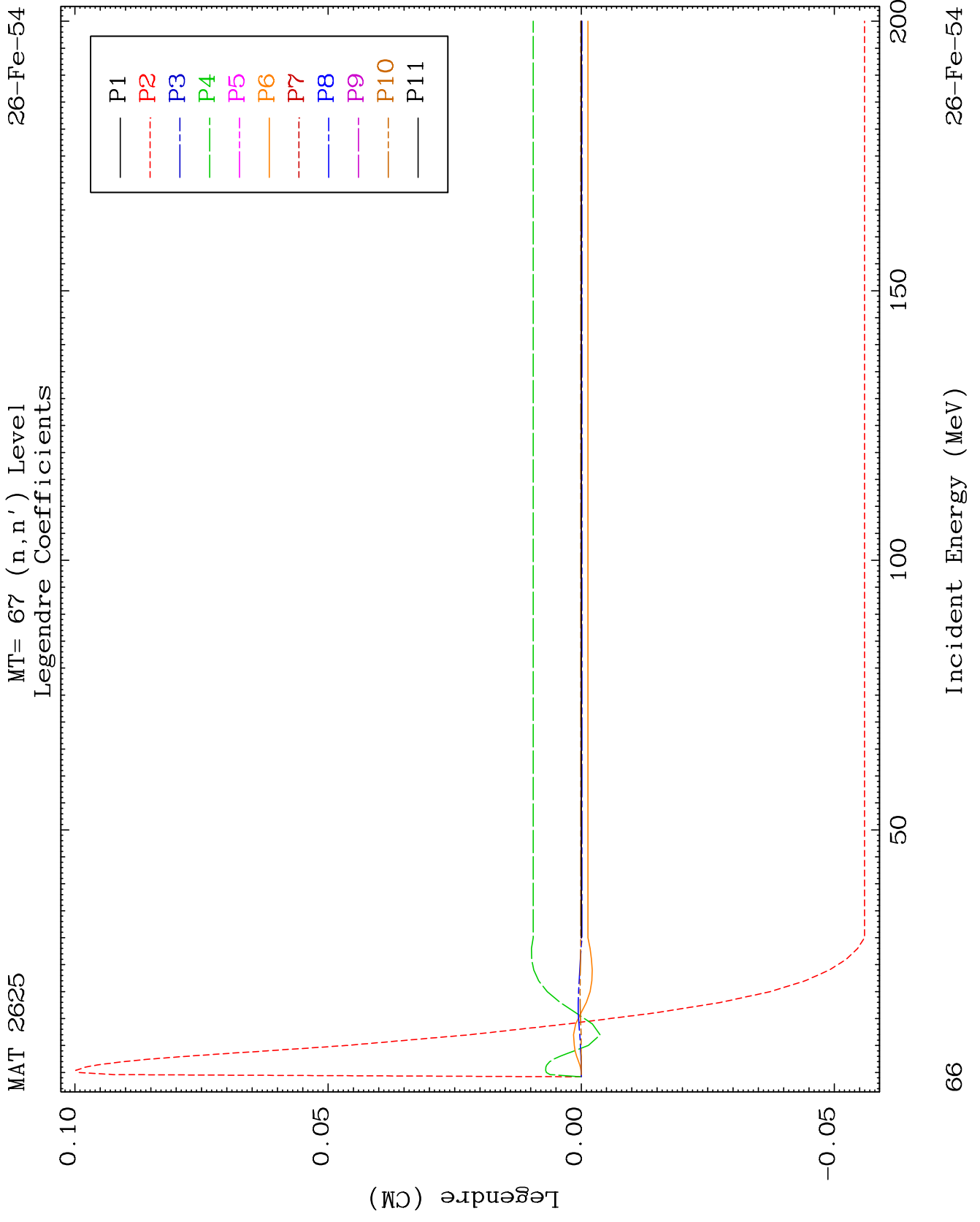
63

Incident Energy (MeV)

26-Fe-54



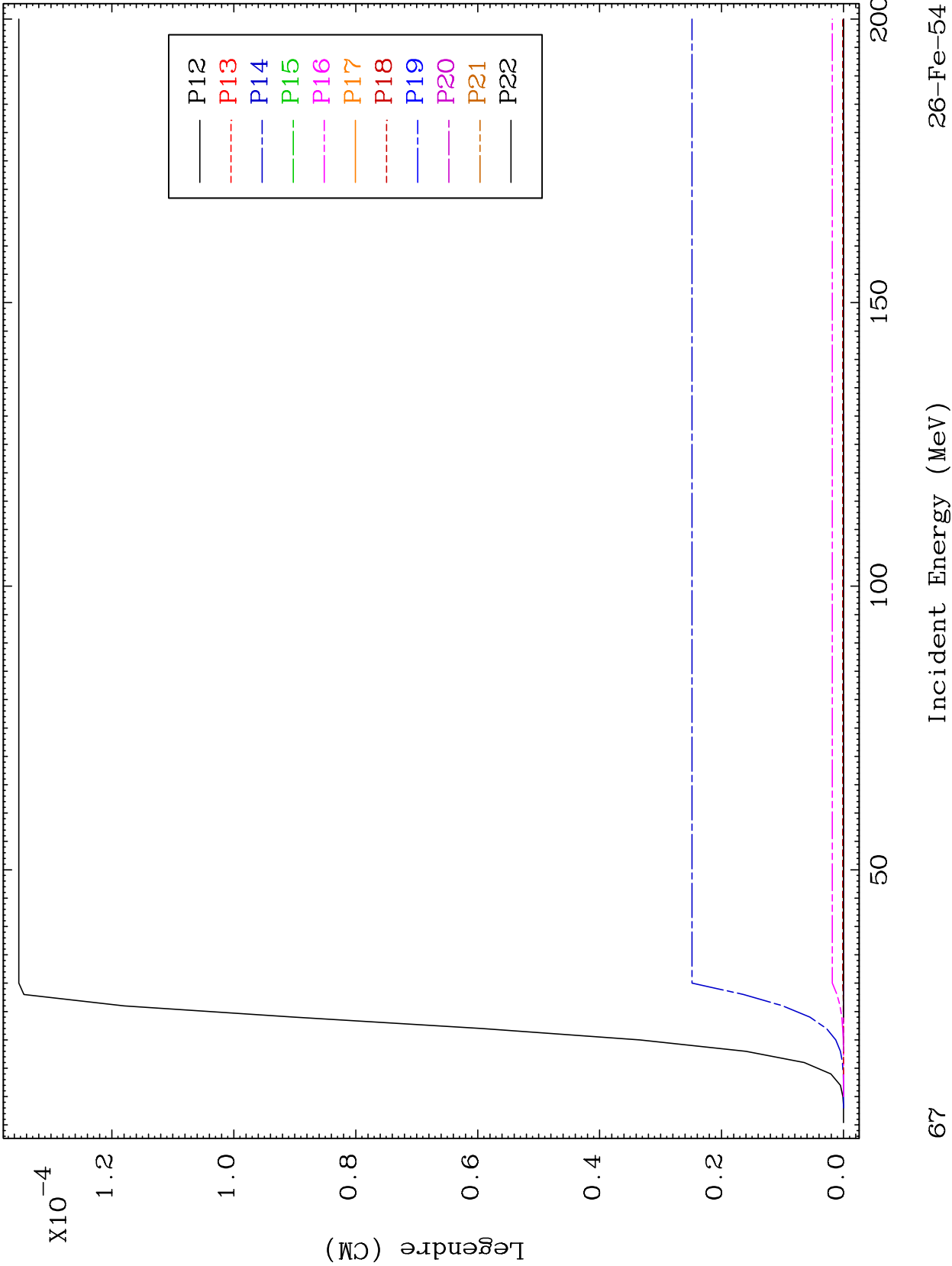




MAT 2625

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

26-Fe-54



67

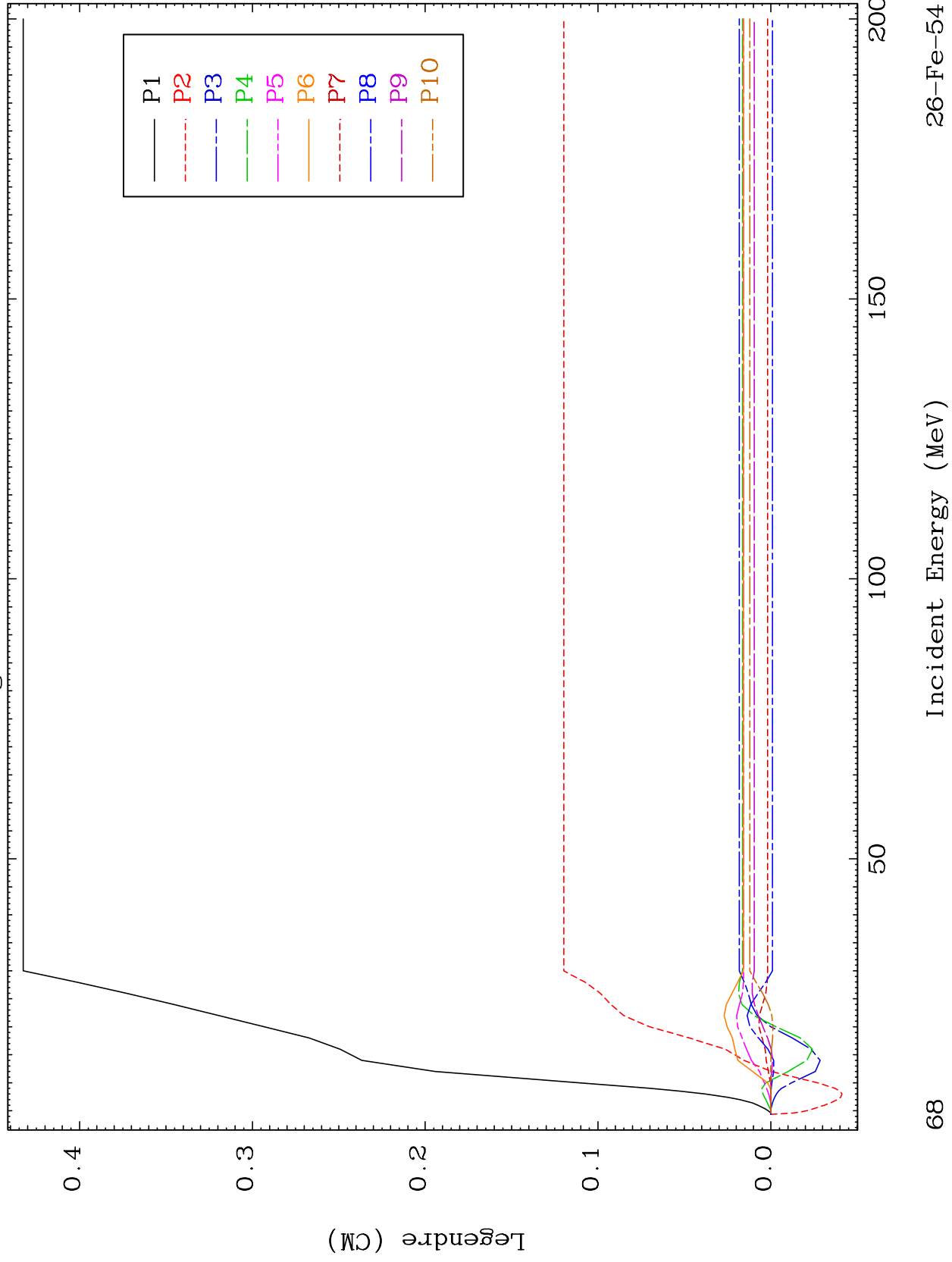
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

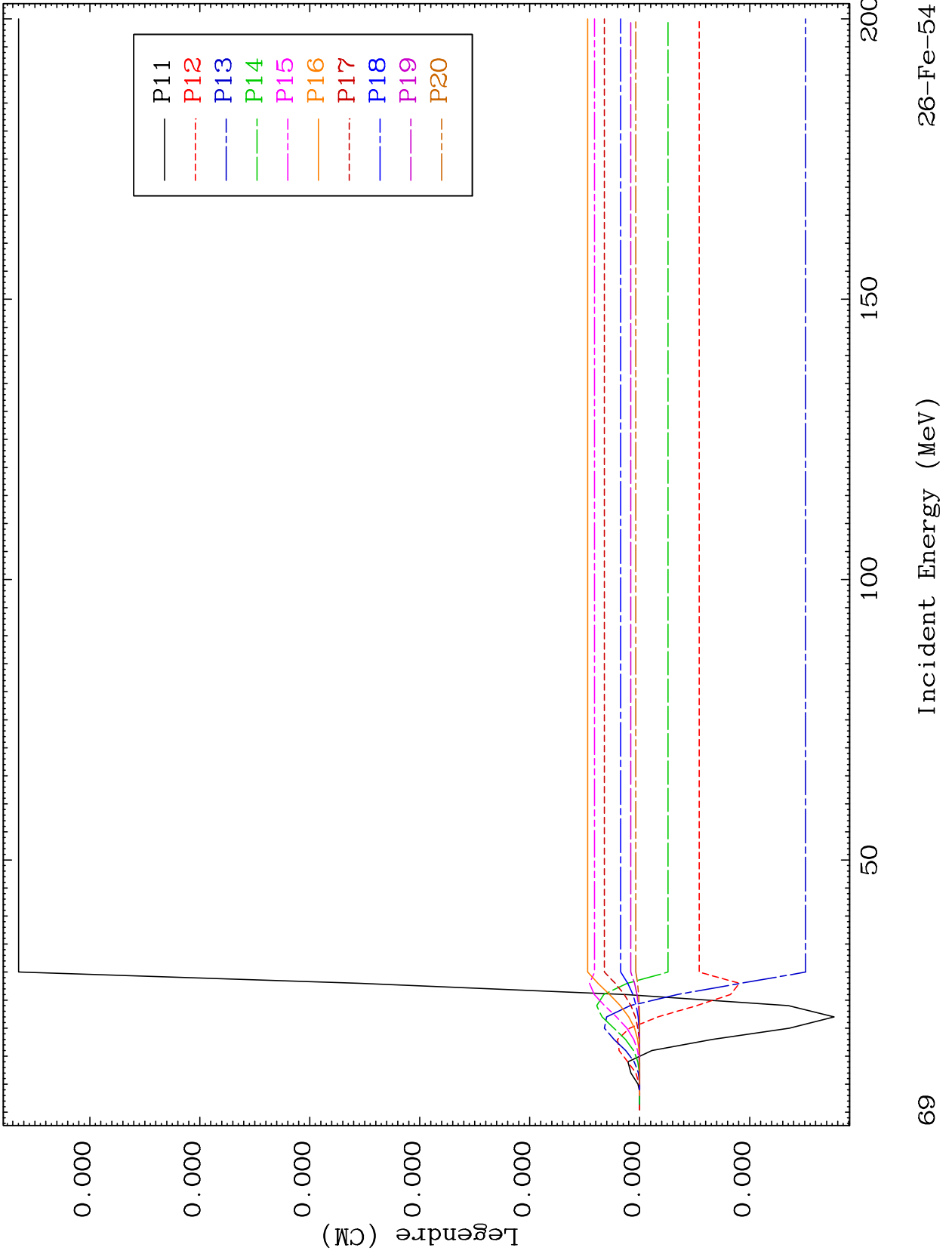
26-Fe-54



MAT 2625

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

26-Fe-54



69

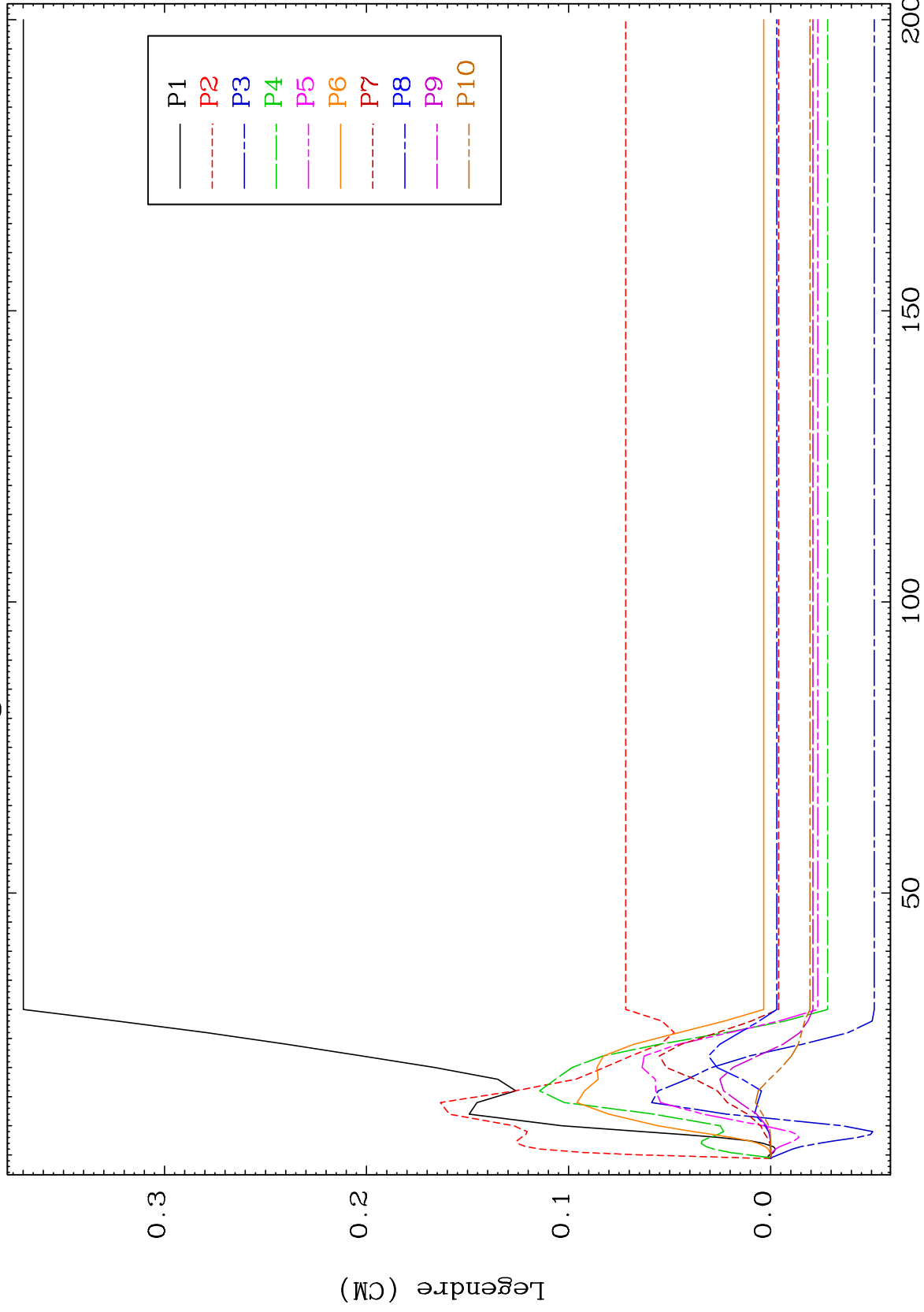
26-Fe-54



MAT 2625

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

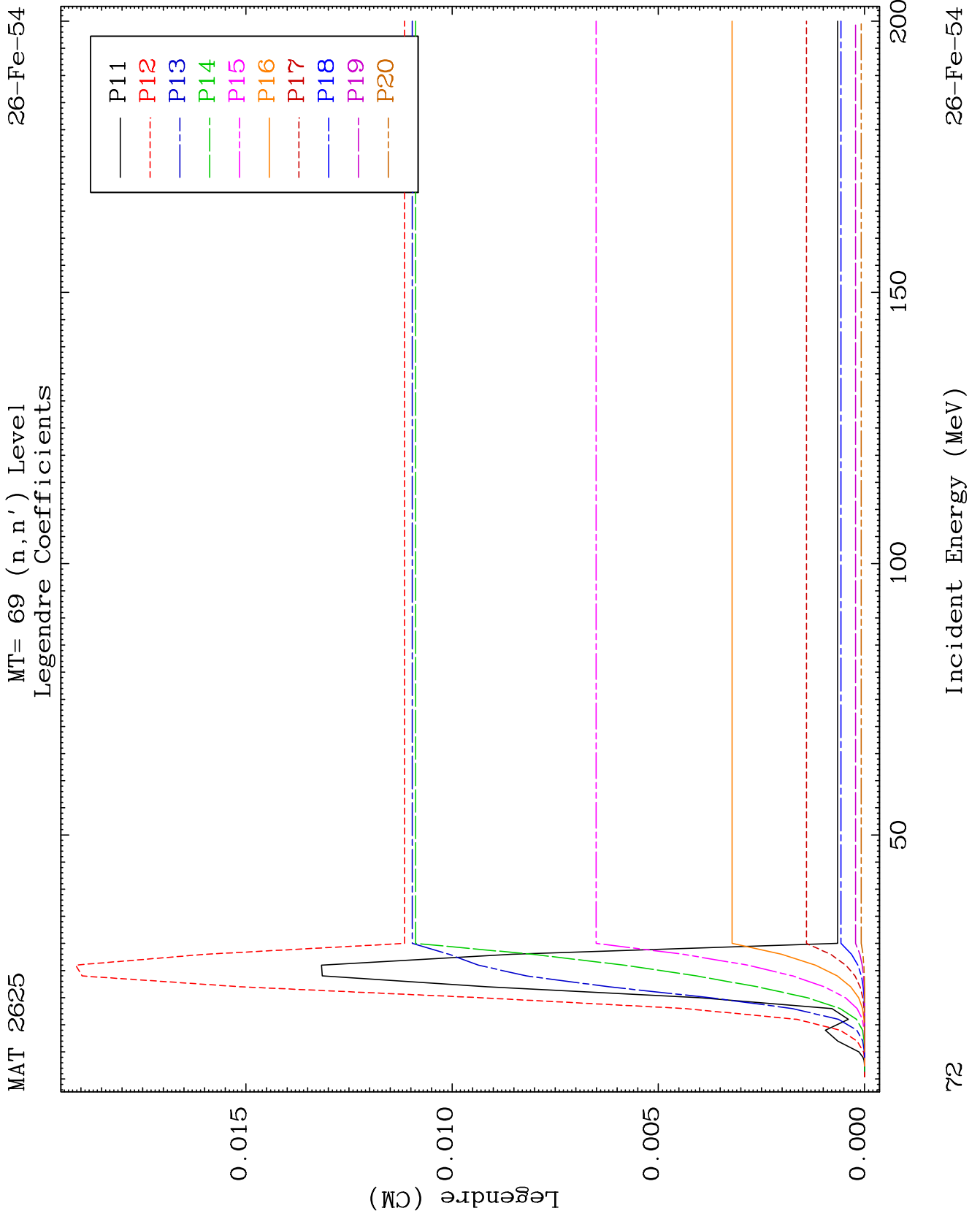
26-Fe-54



71

Incident Energy (MeV)

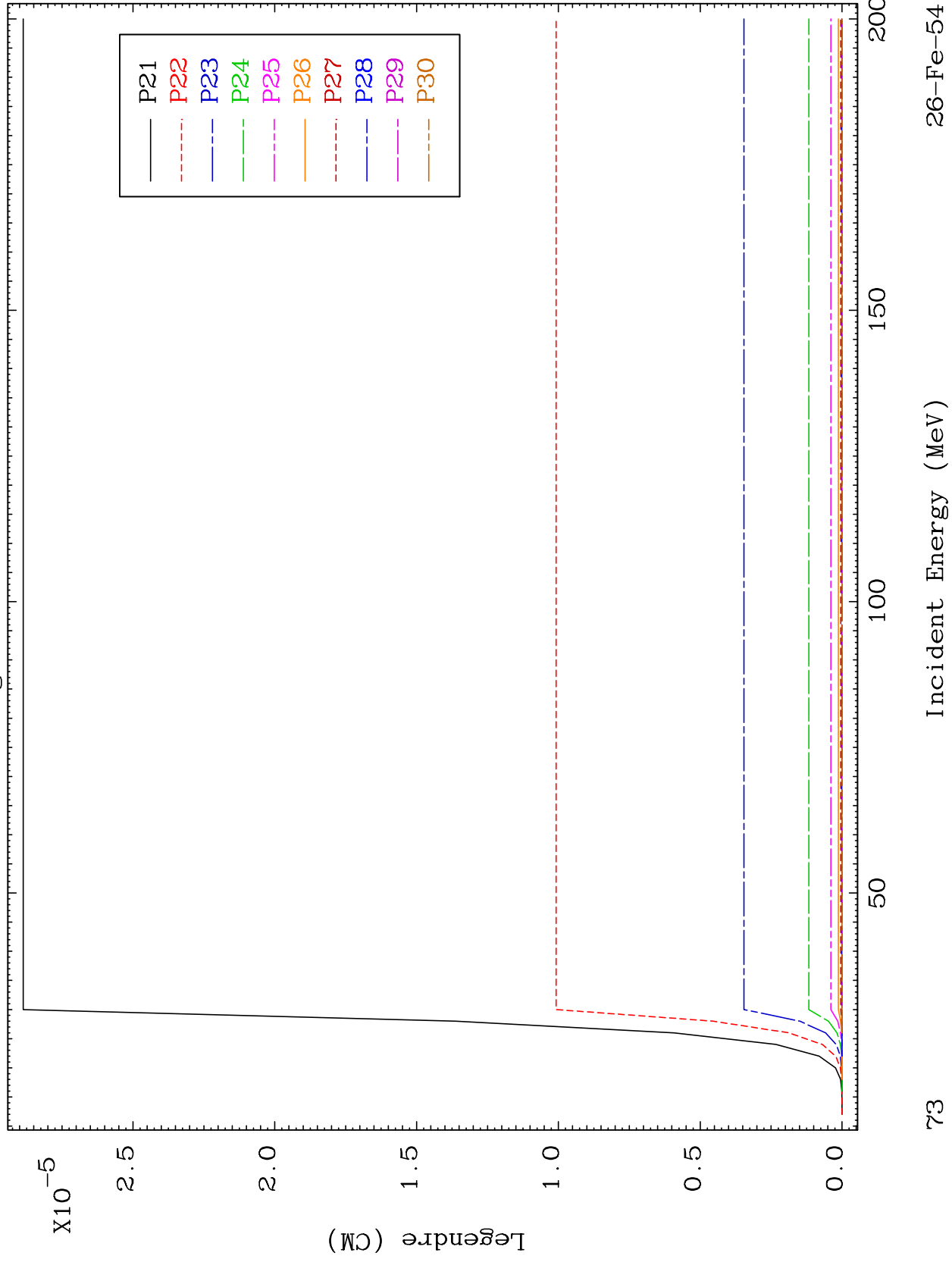
26-Fe-54

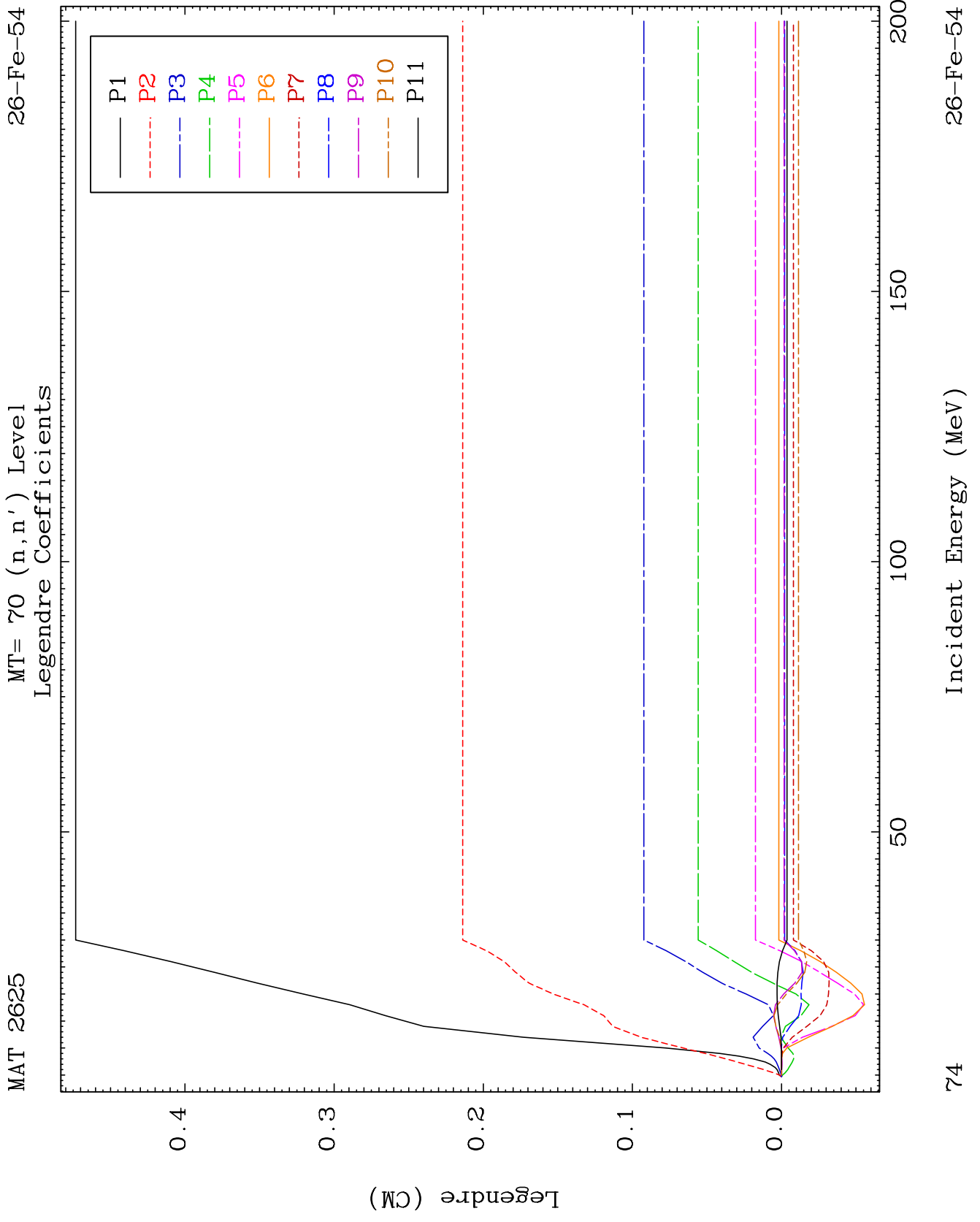


MAT 2625

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

26-Fe-54

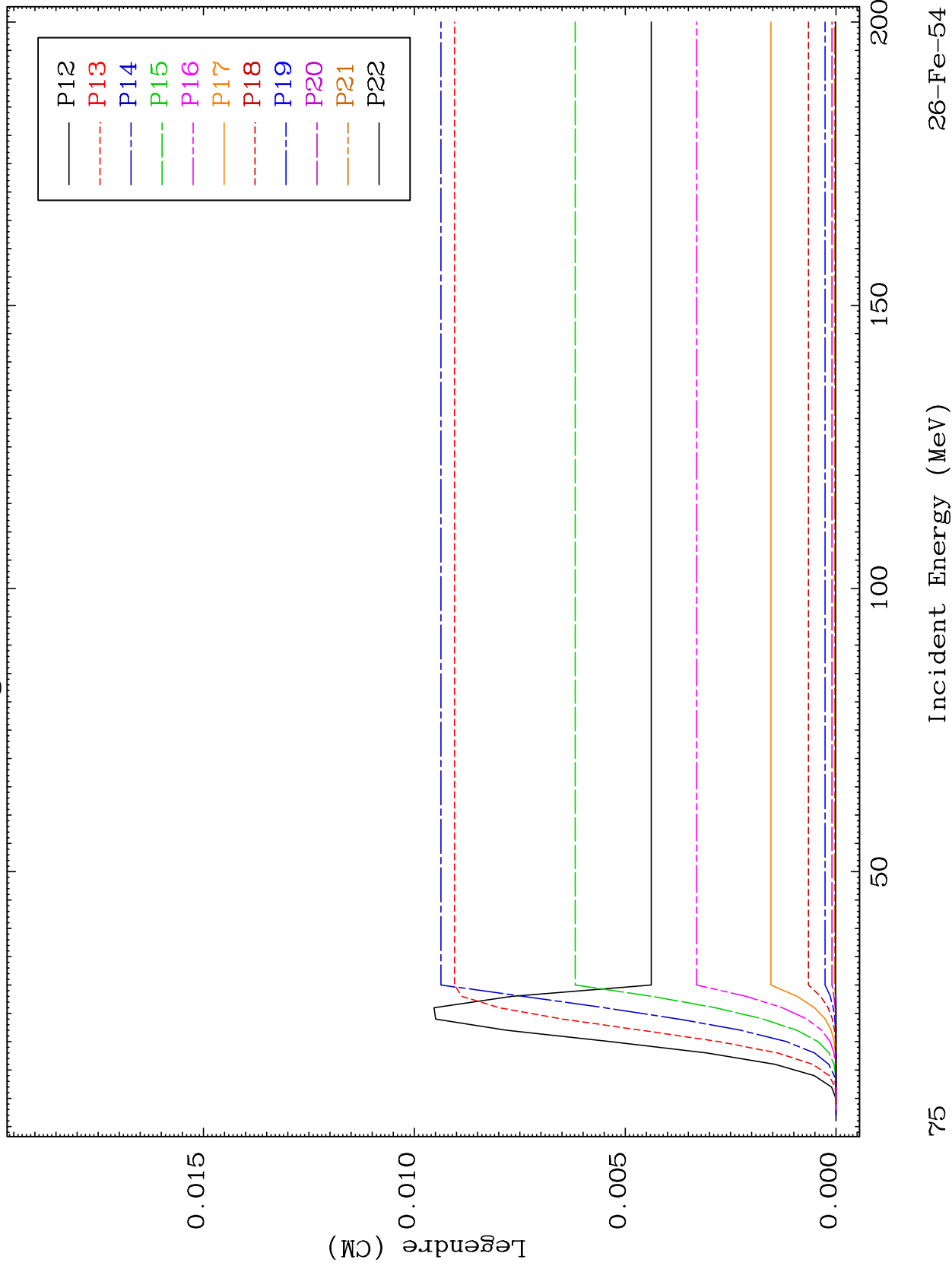




MAT 2625

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

26-Fe-54



75

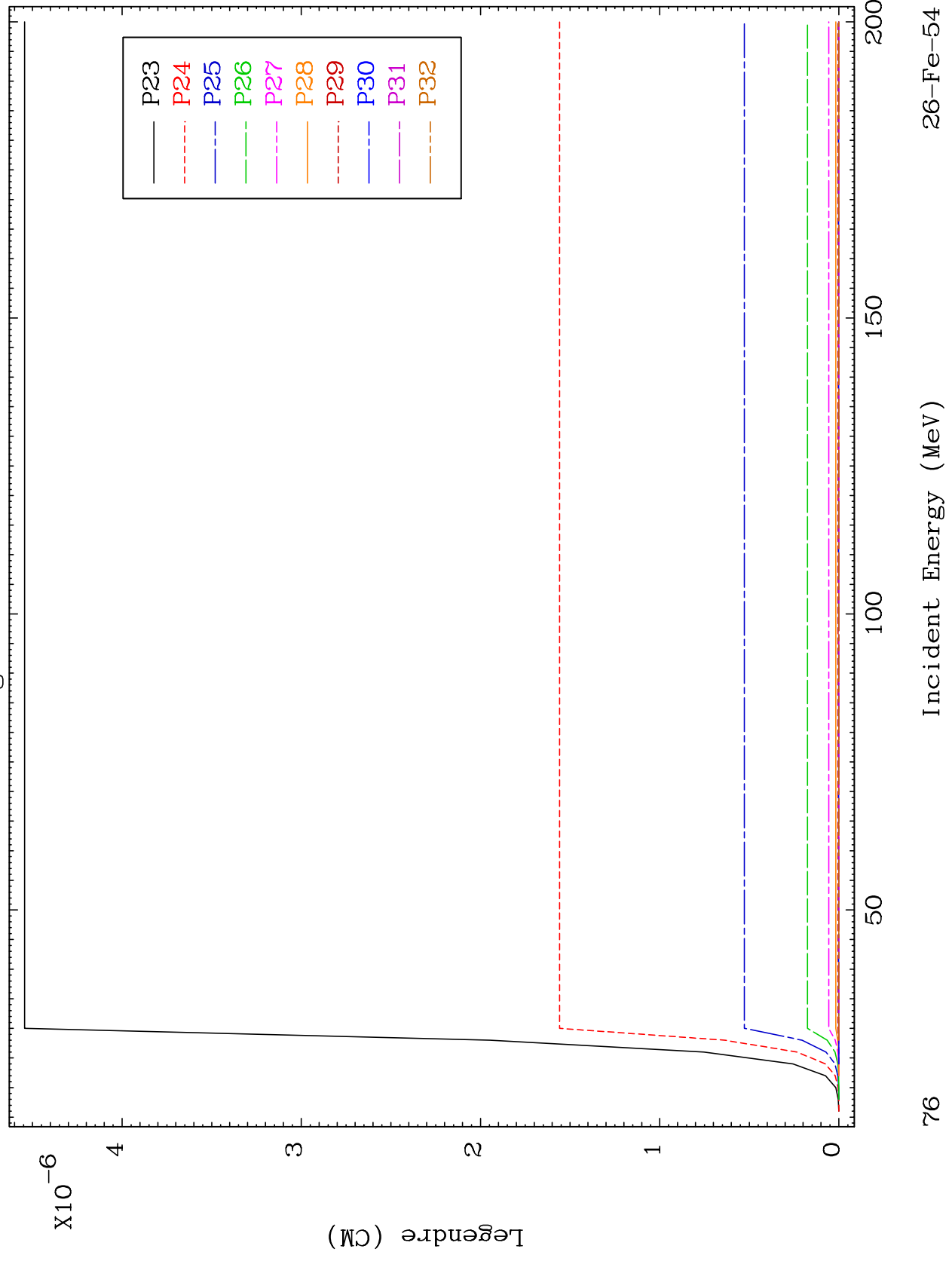
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

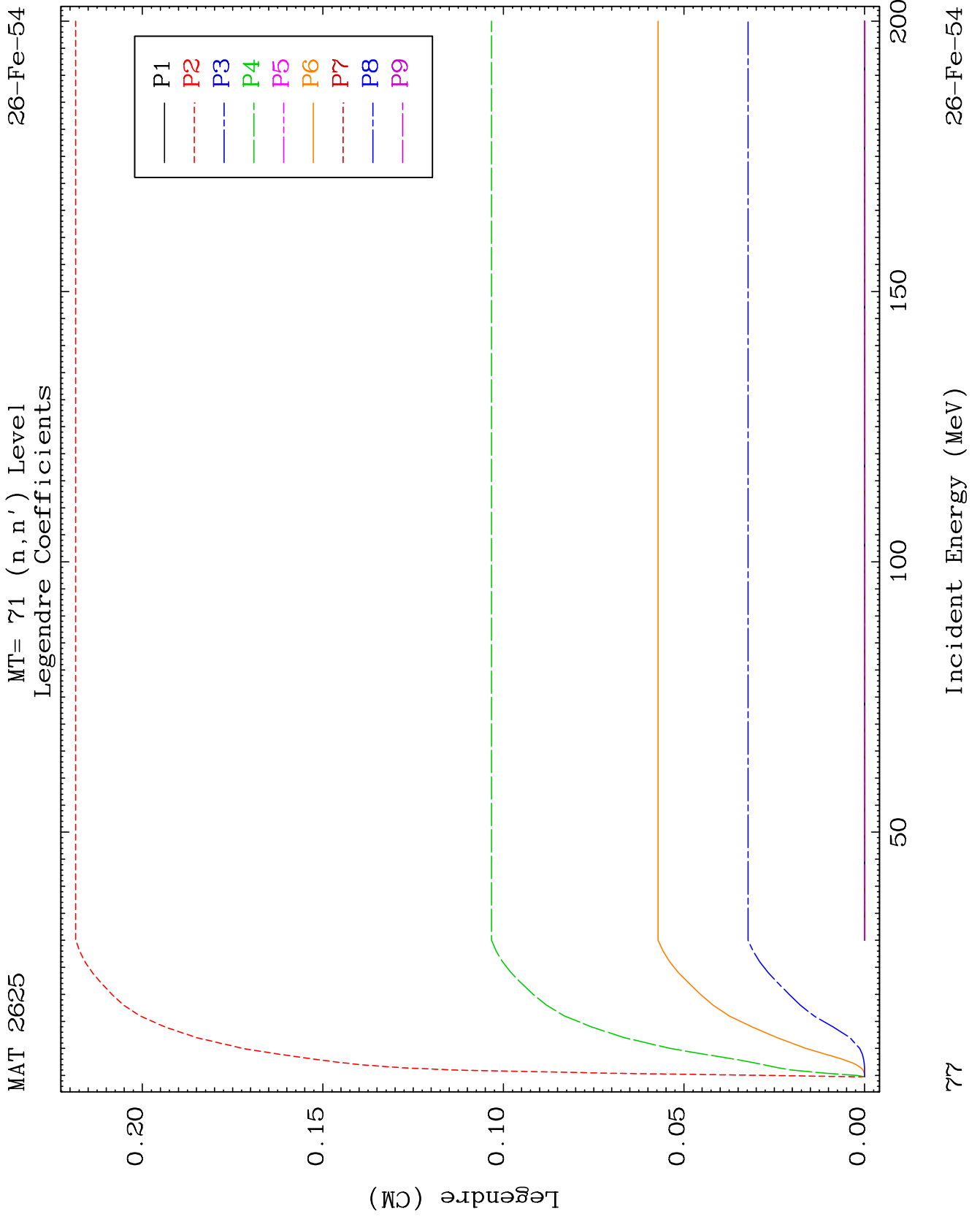
26-Fe-54



26-Fe-54

Incident Energy (MeV)

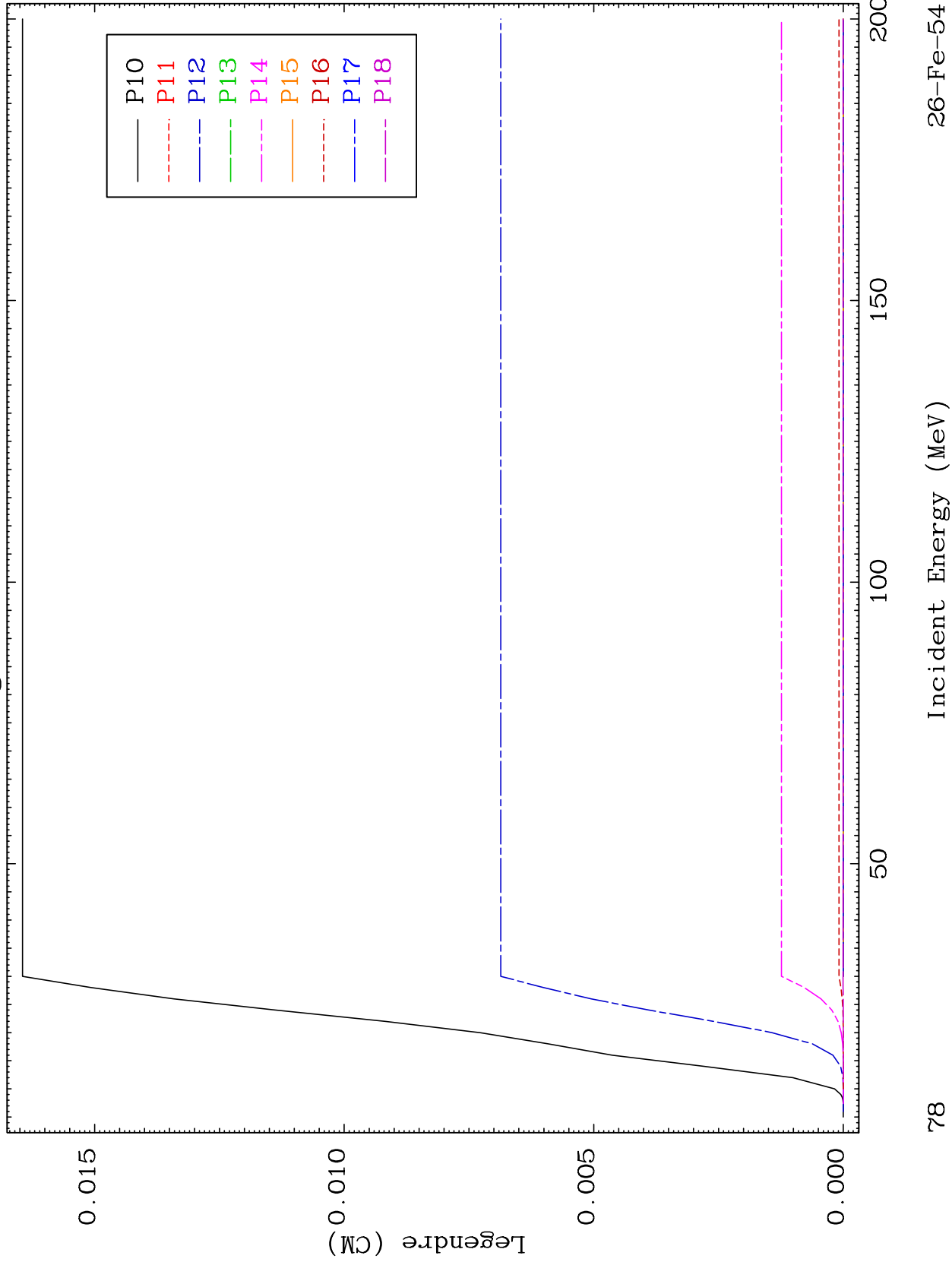
76



MAT 2625

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

26-Fe-54

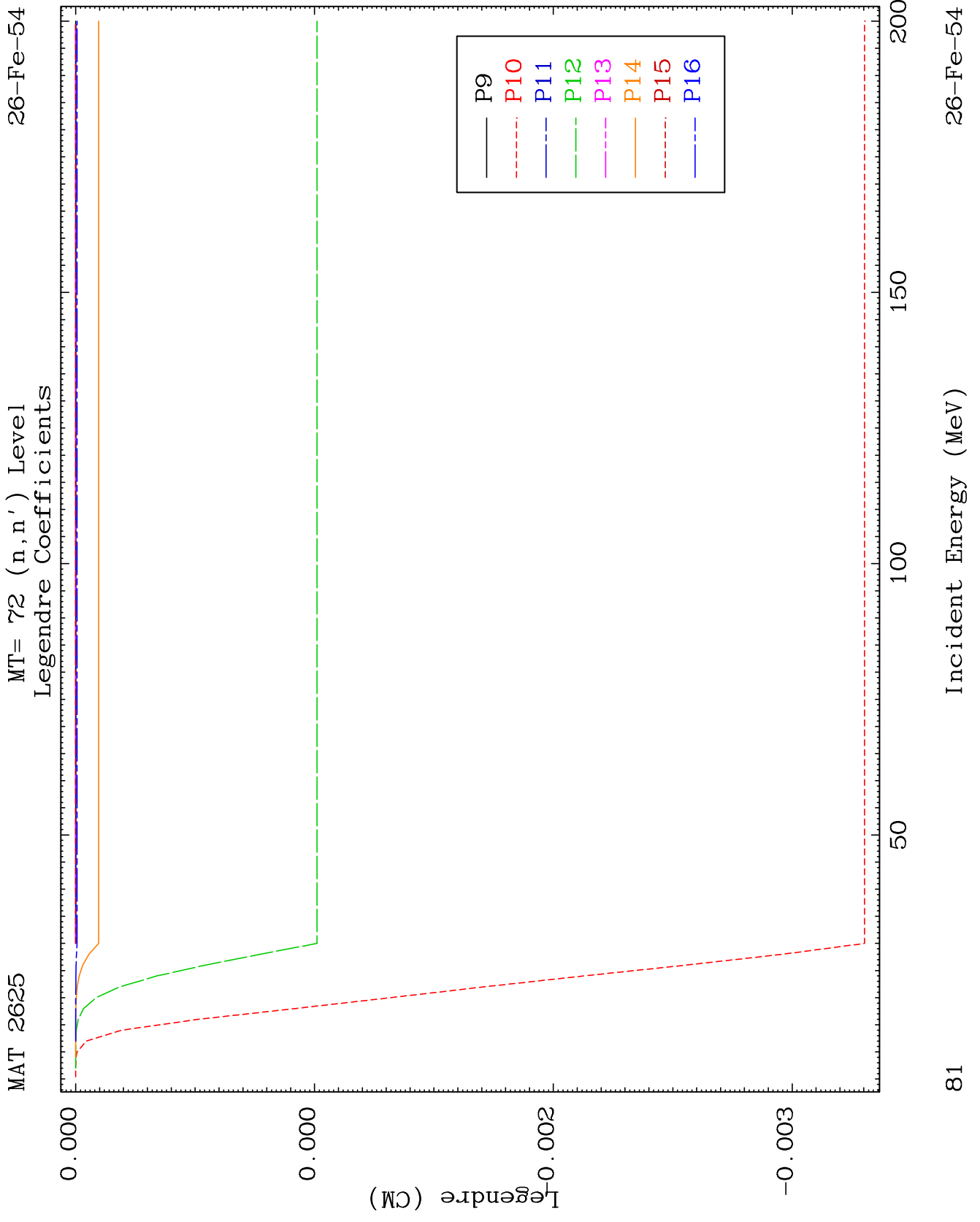


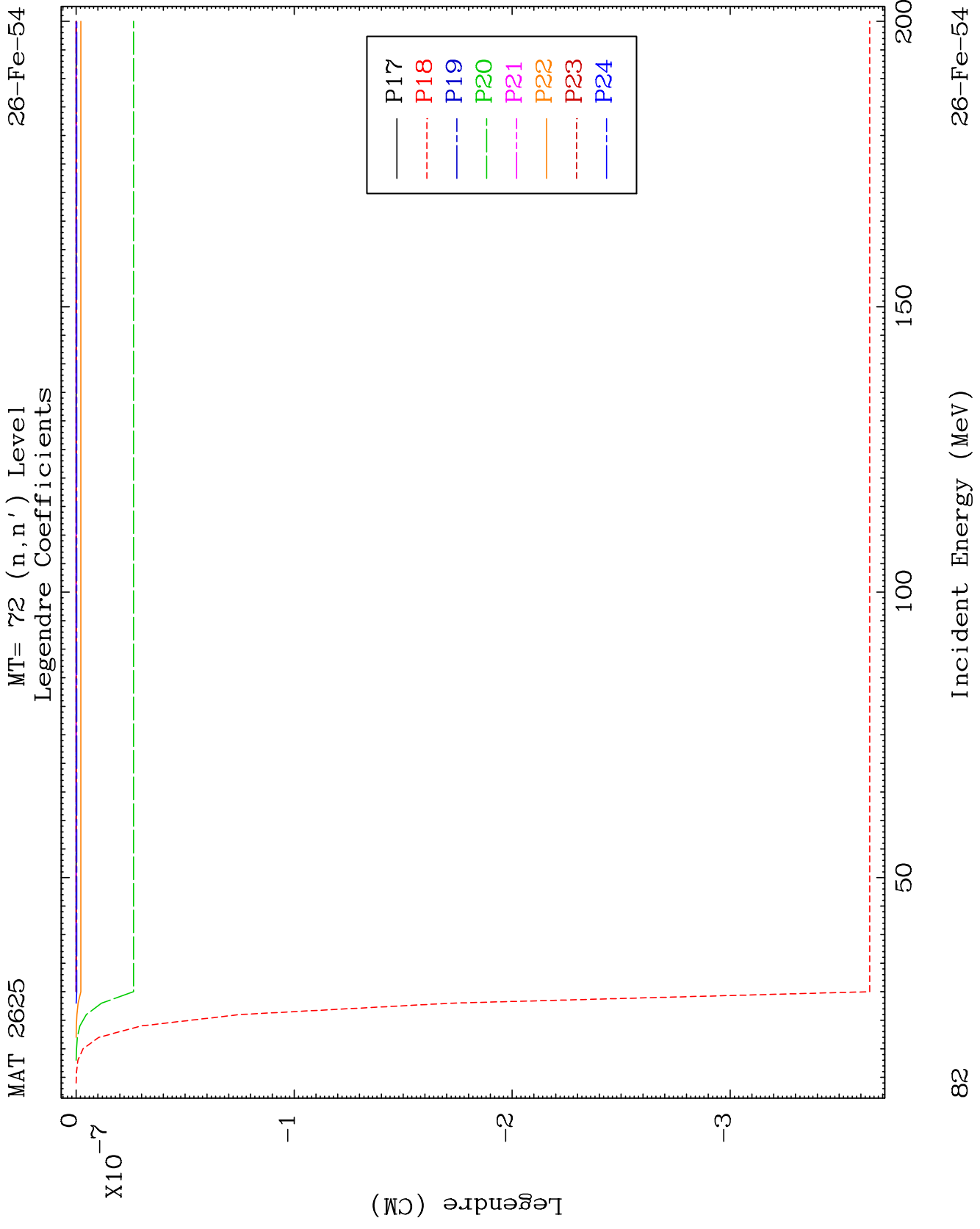
78

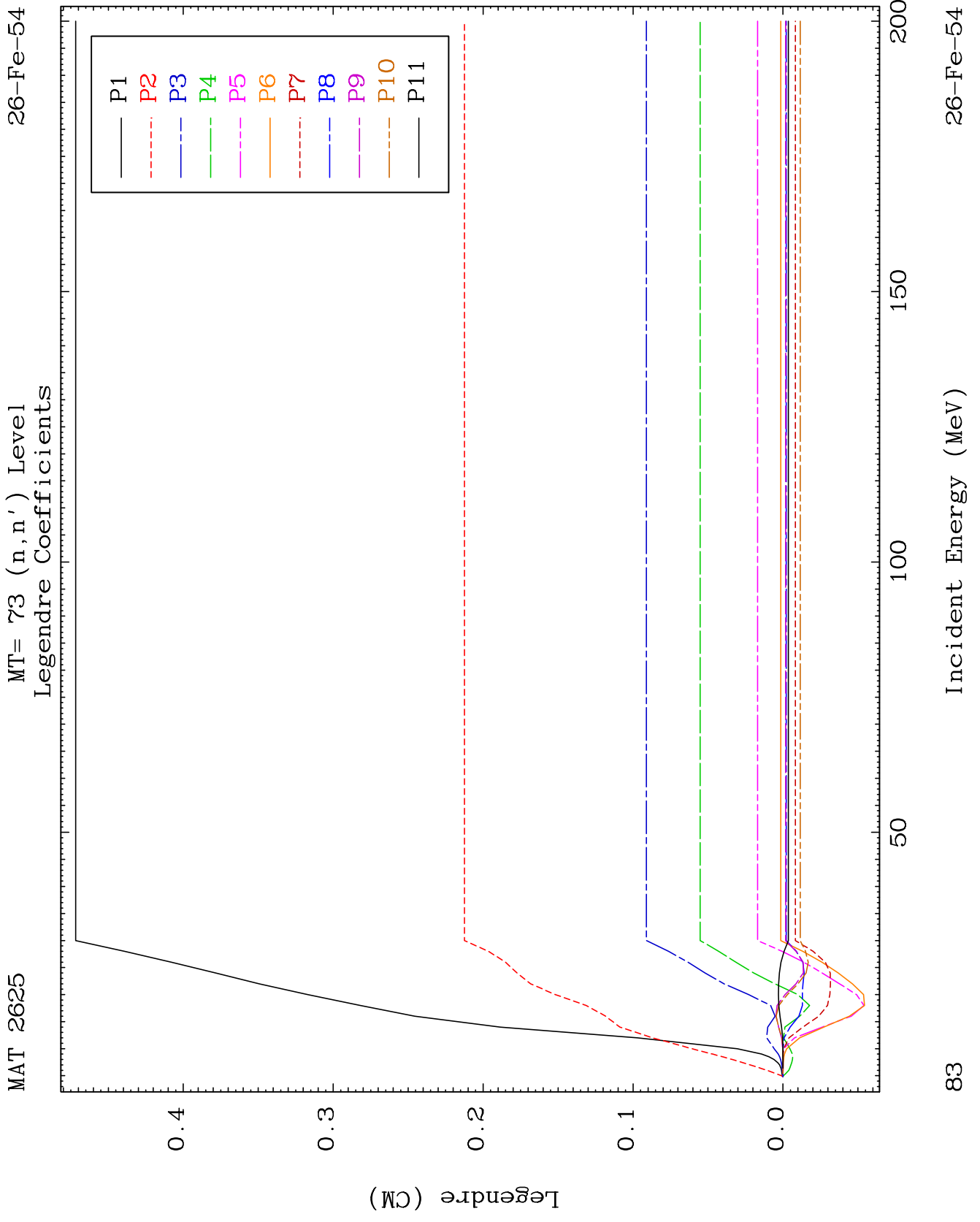
26-Fe-54







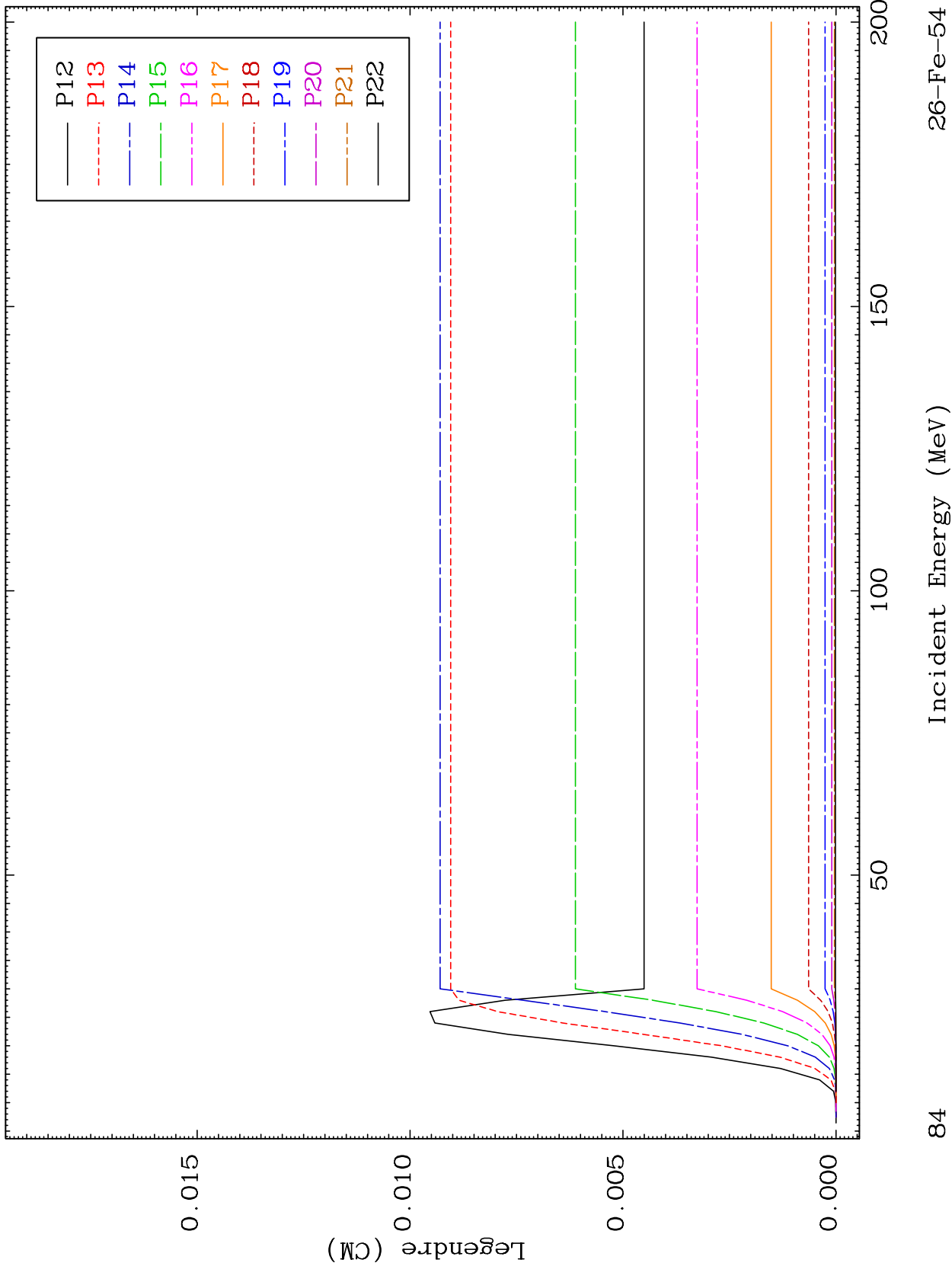




MAT 2625

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

26-Fe-54



84

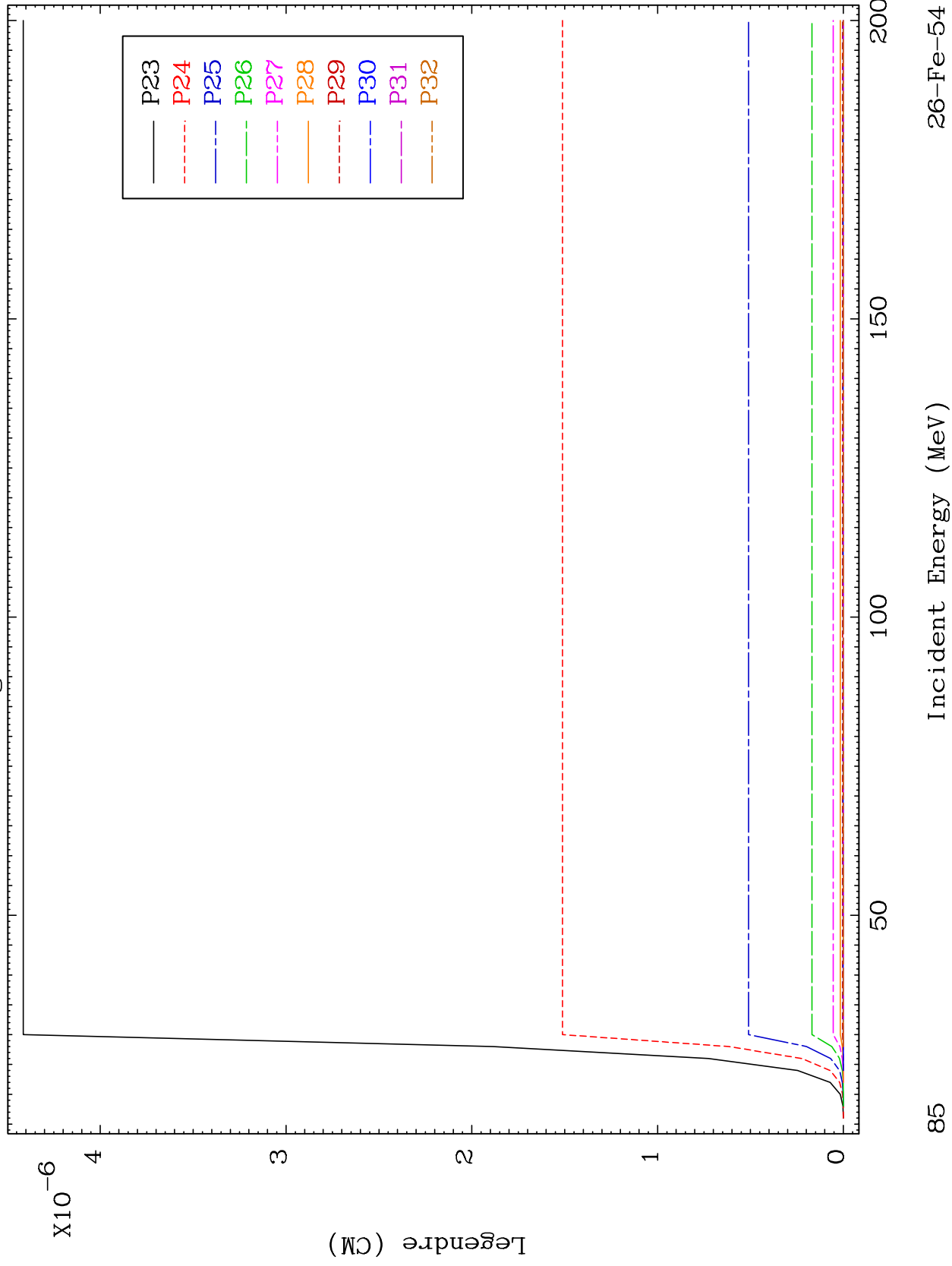
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54



85

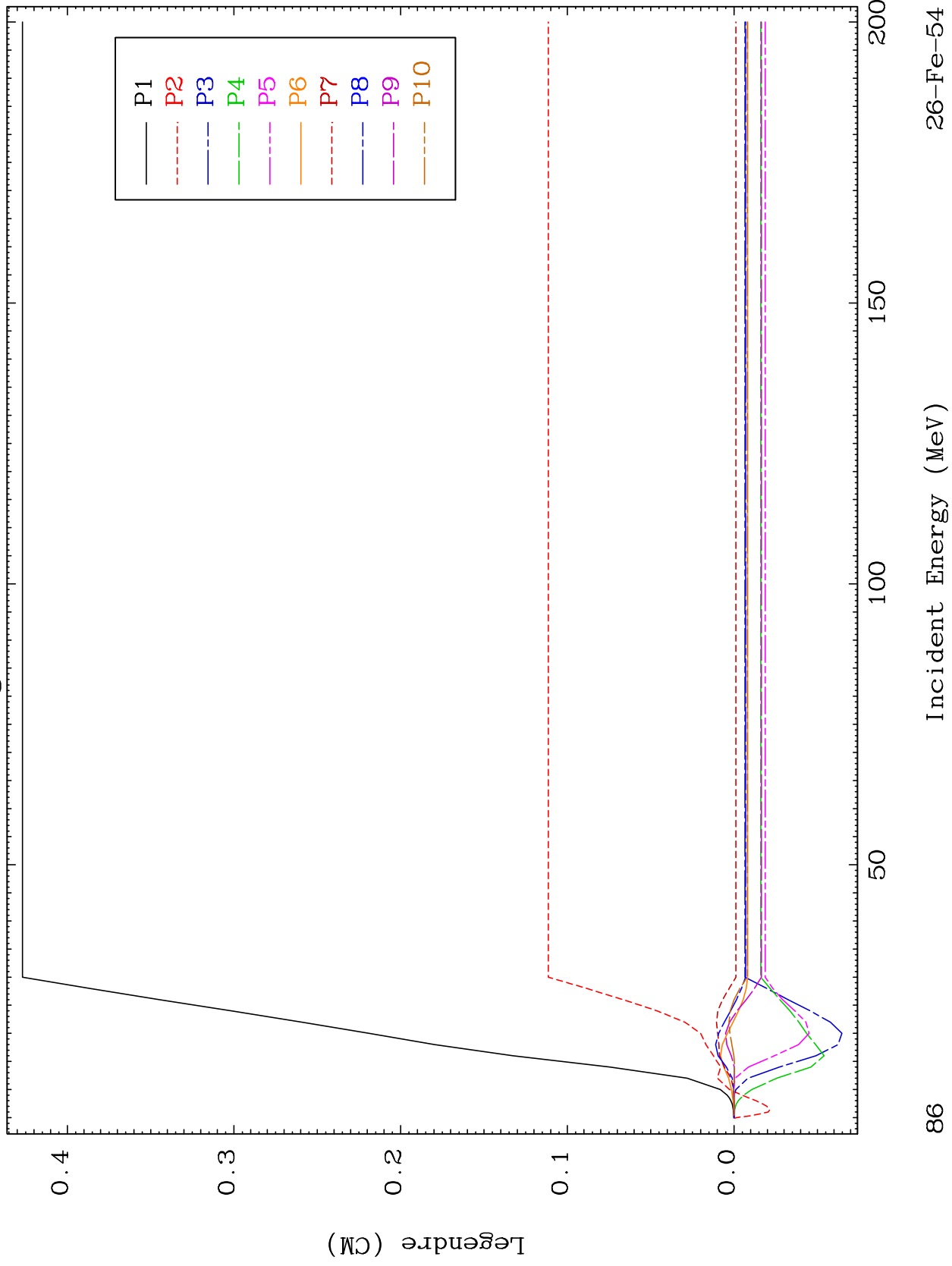
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

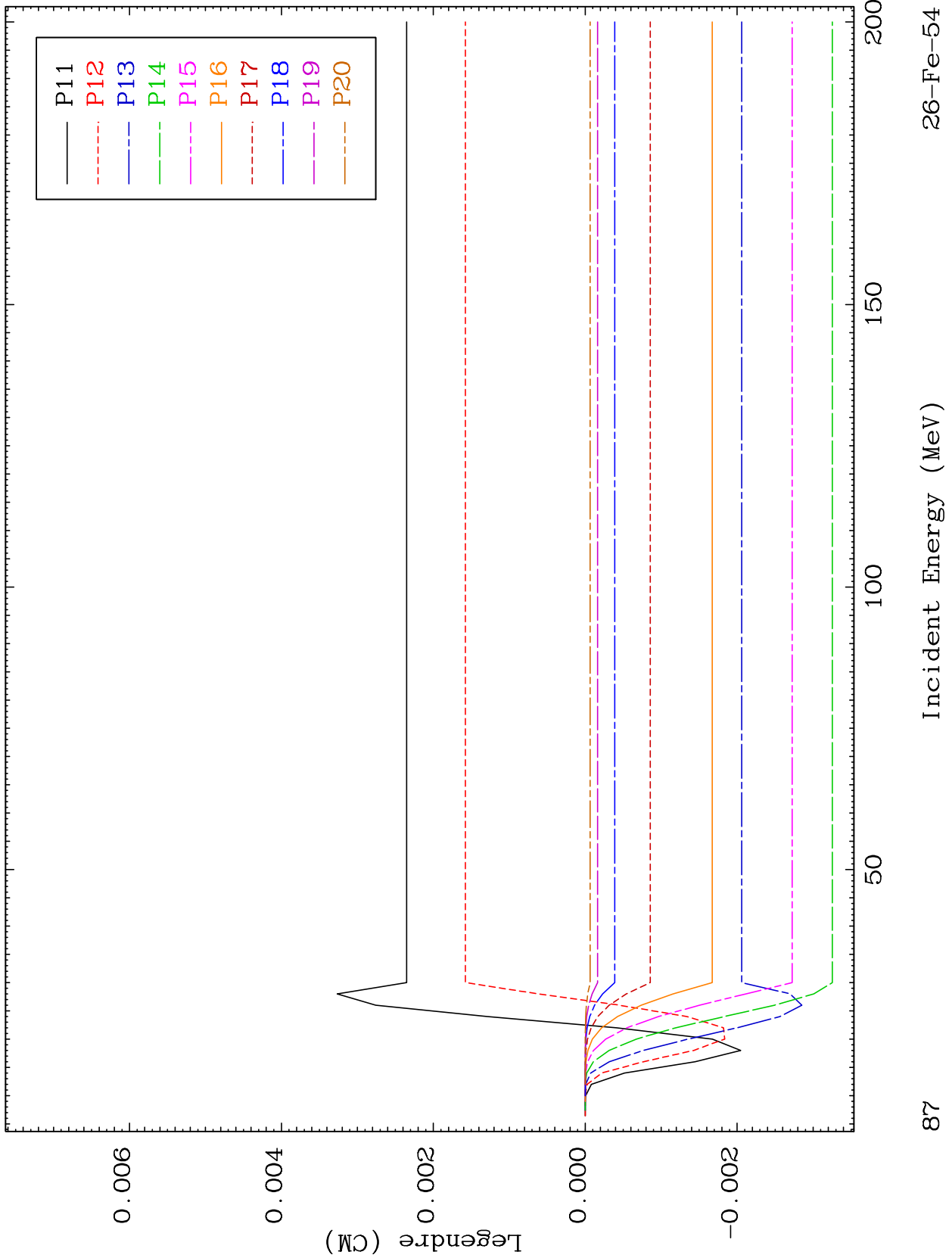
26-Fe-54

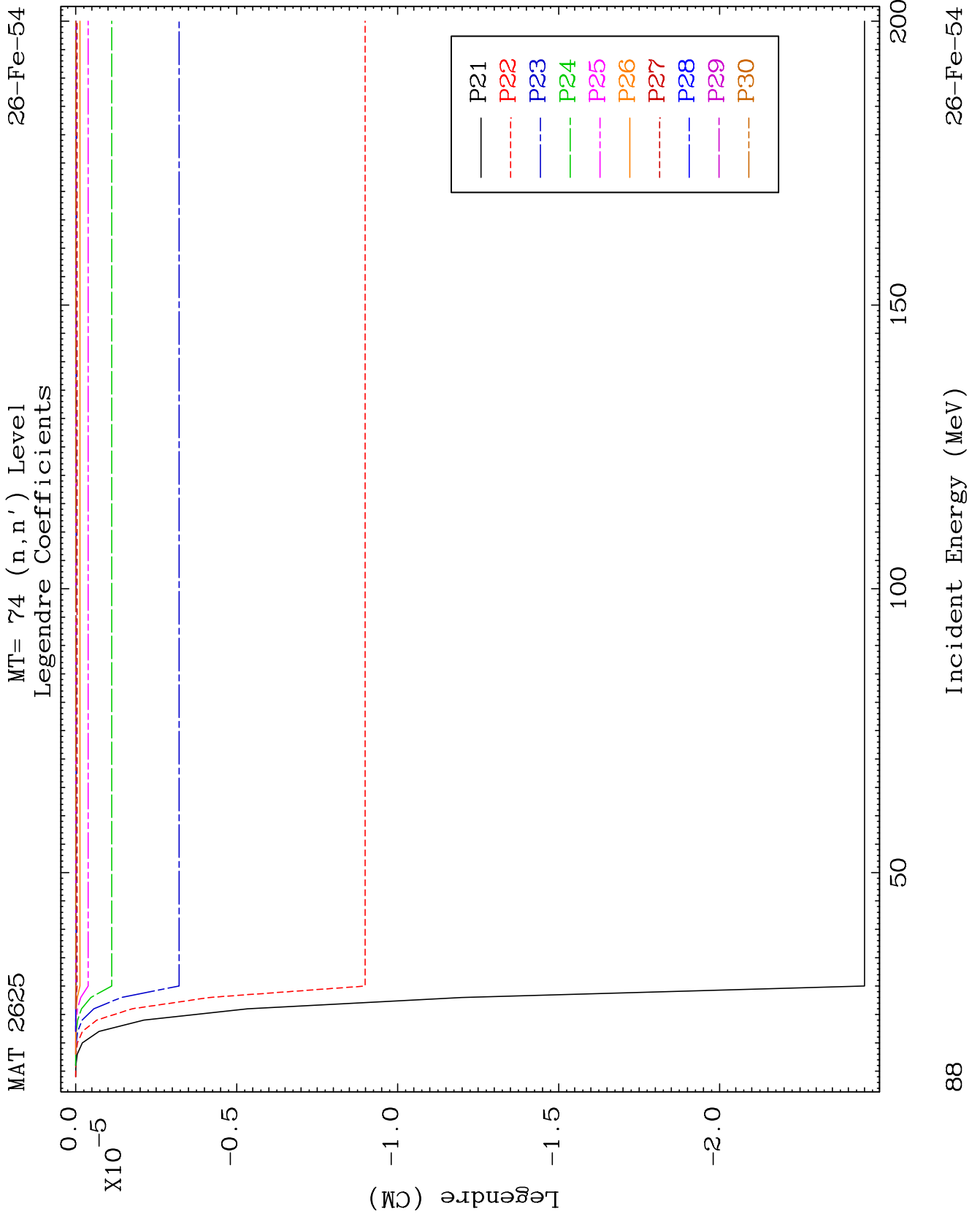


MAT 2625

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

26-Fe-54

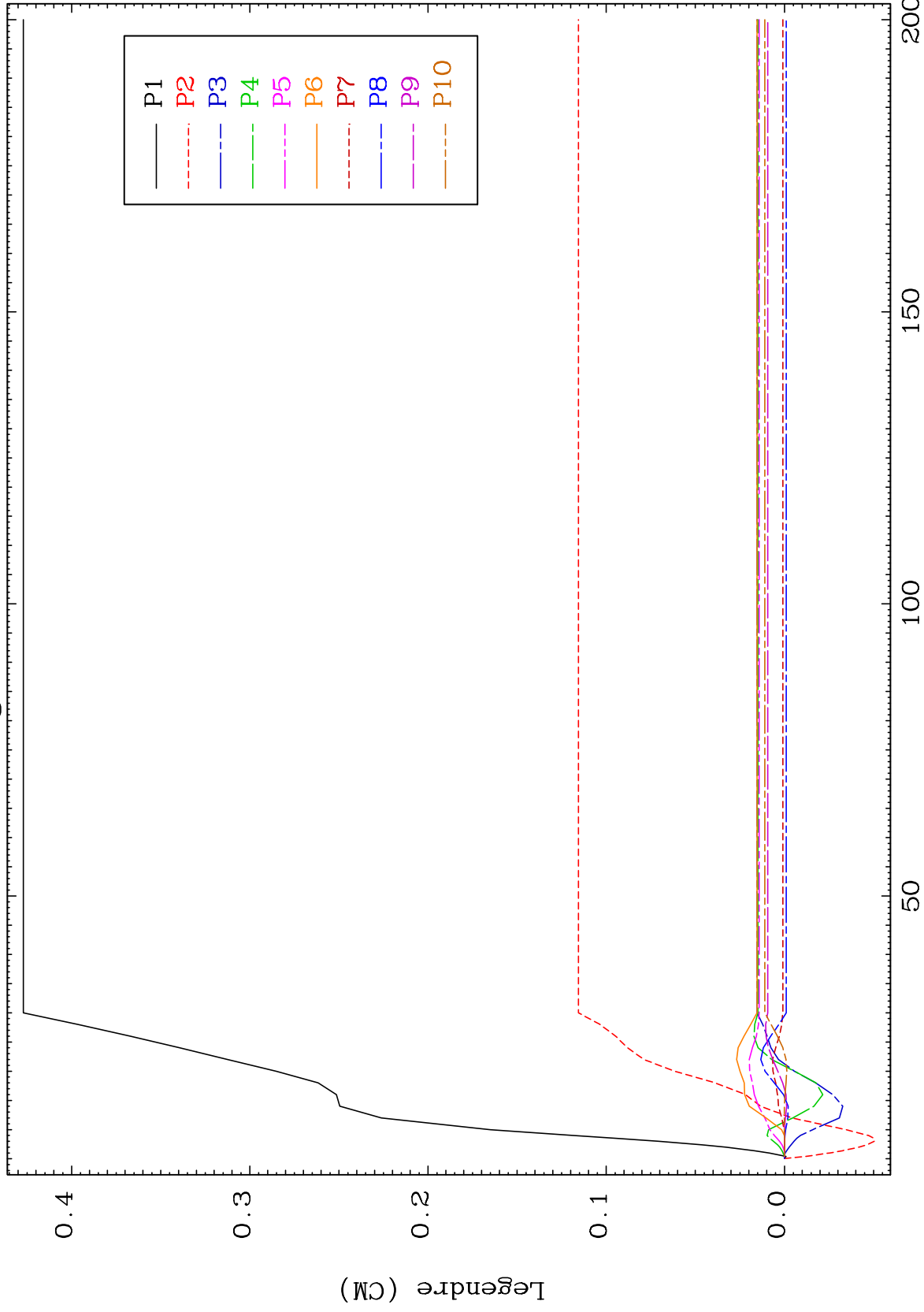




MAT 2625

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

26-Fe-54



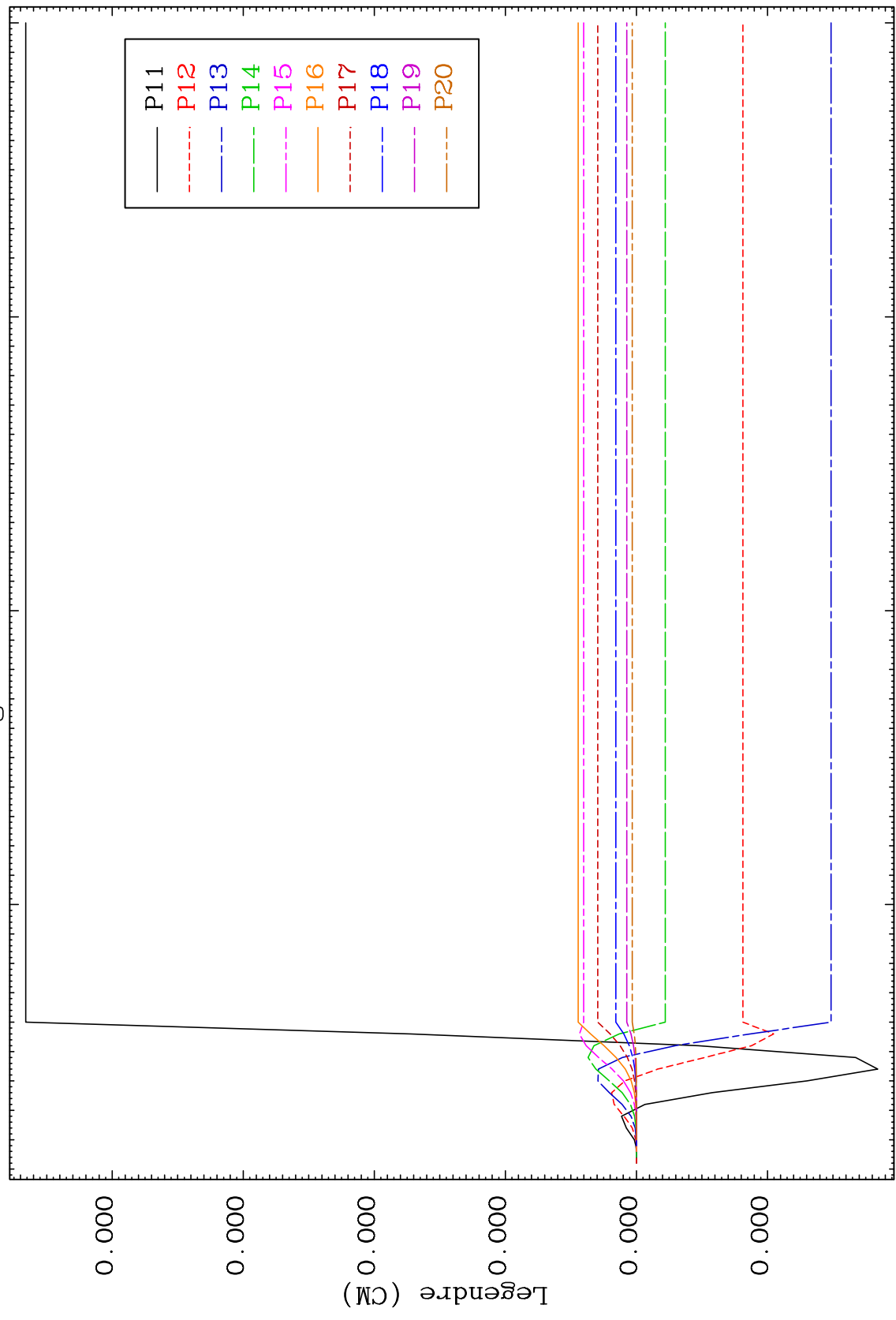
89

26-Fe-54

MAT 2625

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

26-Fe-54



90

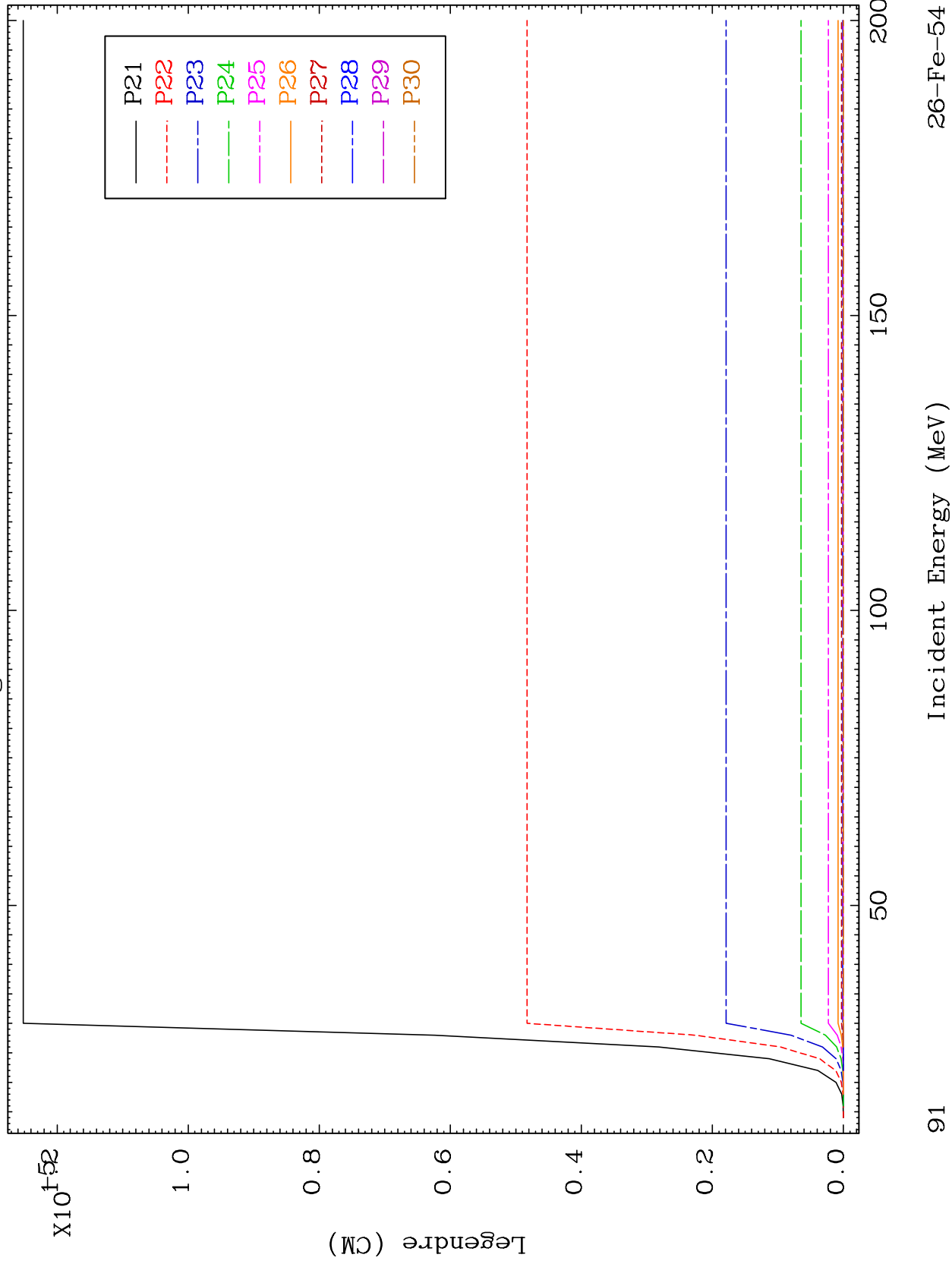
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

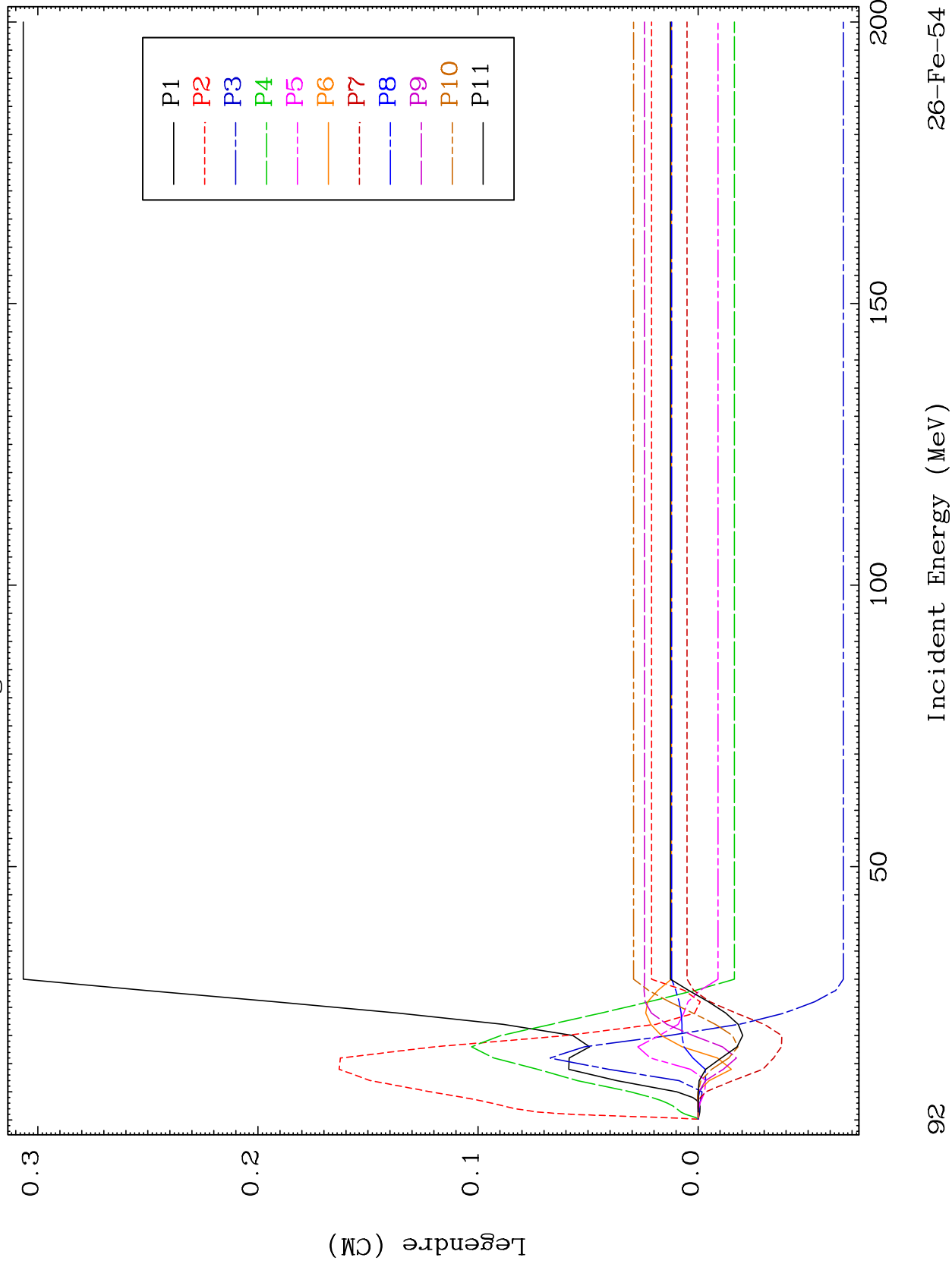
26-Fe-54



MAT 2625

MT= 76 (n,n') Level  
Legendre Coefficients

26-Fe-54



92

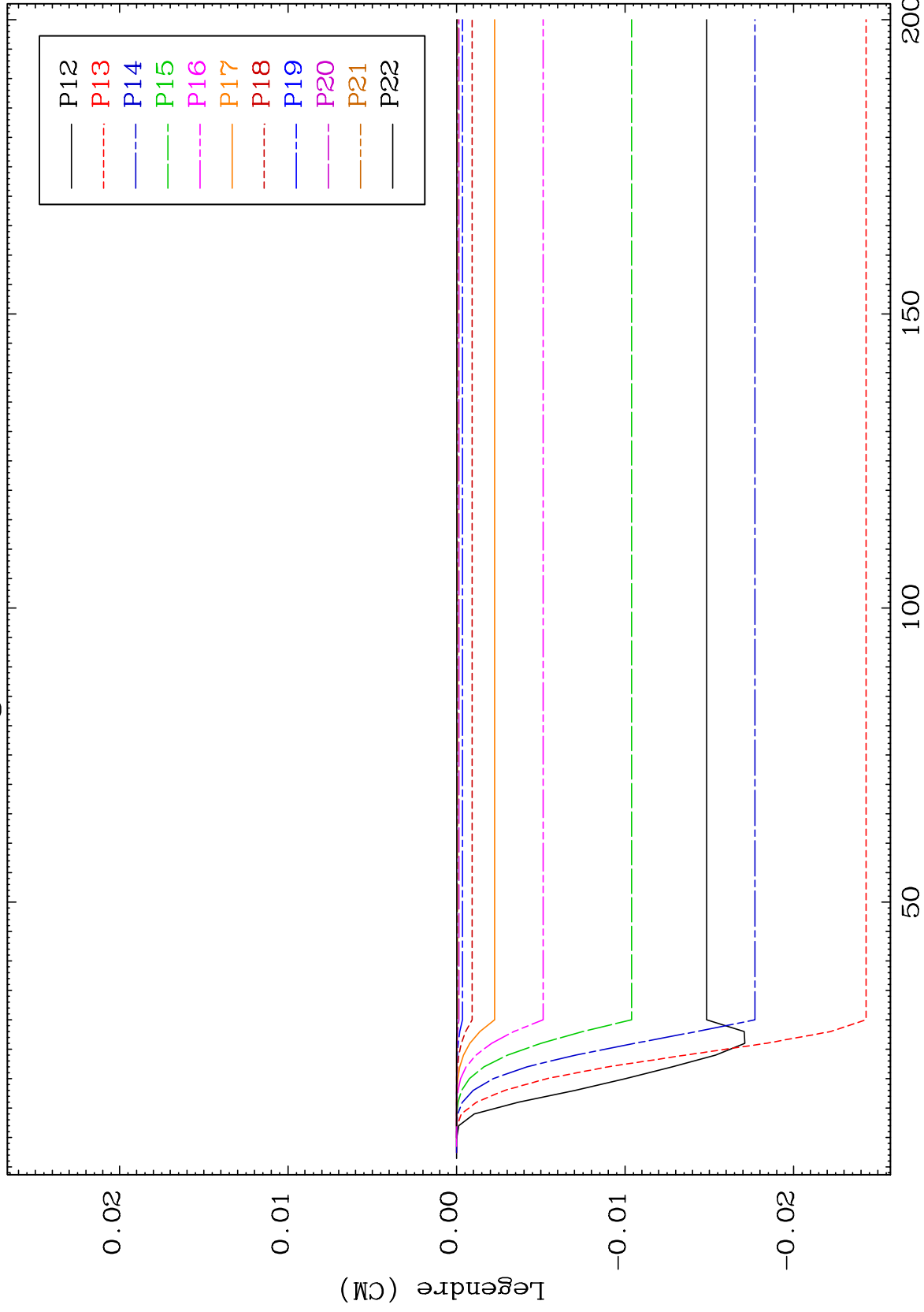
Incident Energy (MeV)

26-Fe-54

MAT 2625

MT= 76 (n,n') Level  
Legendre Coefficients

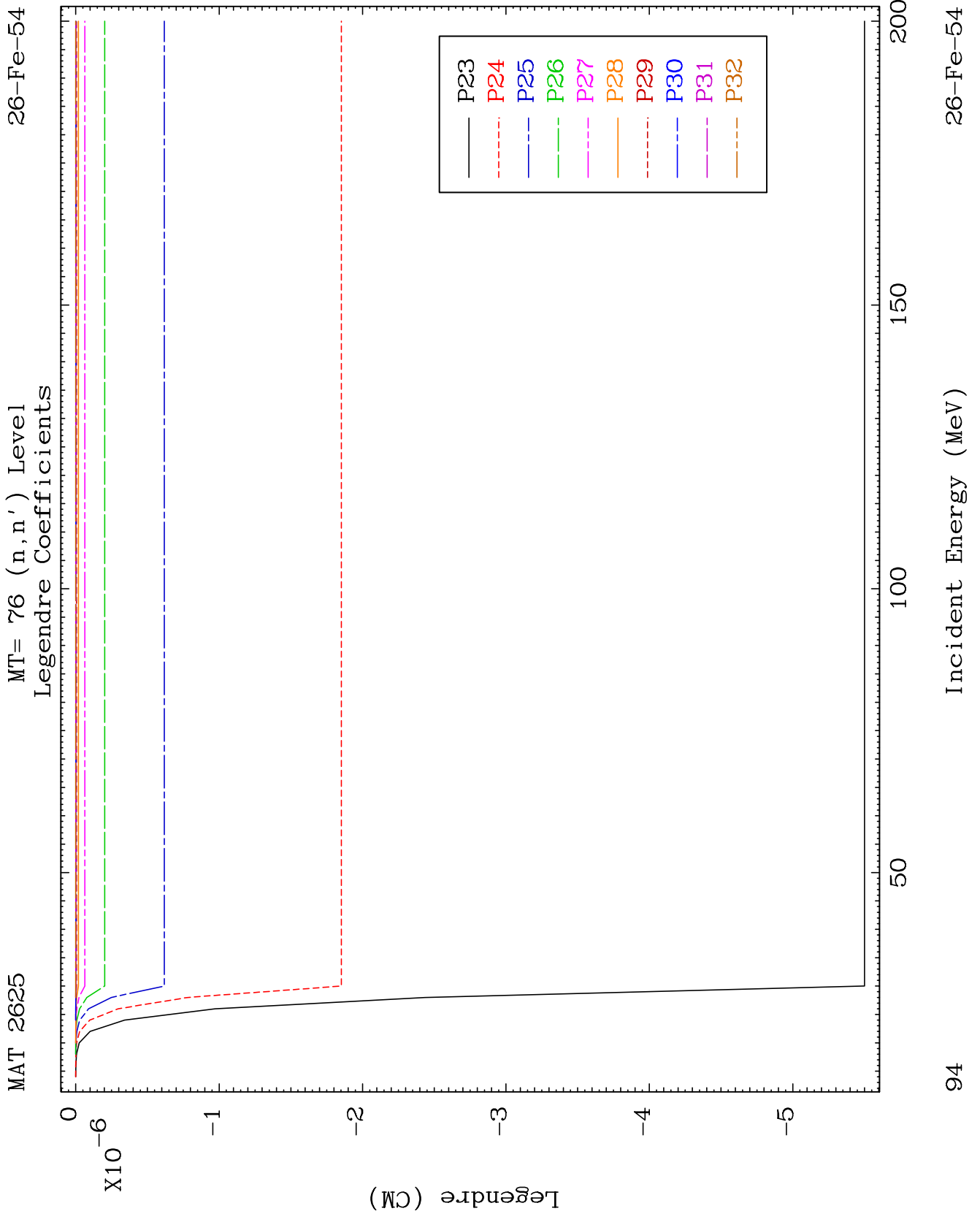
26-Fe-54



93

Incident Energy (MeV)

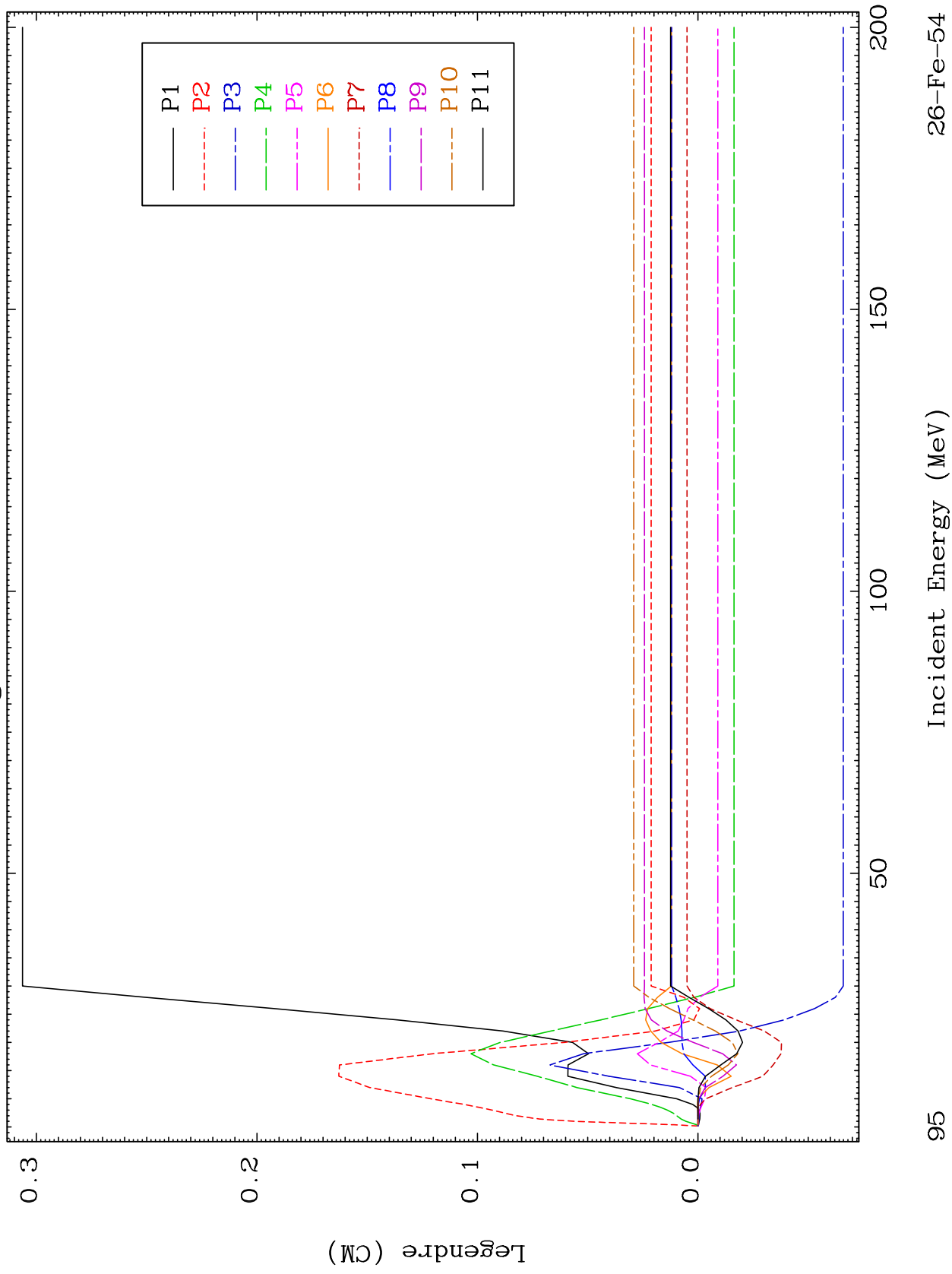
26-Fe-54



MAT 2625

MT= 77 (n,n') Level  
Legendre Coefficients

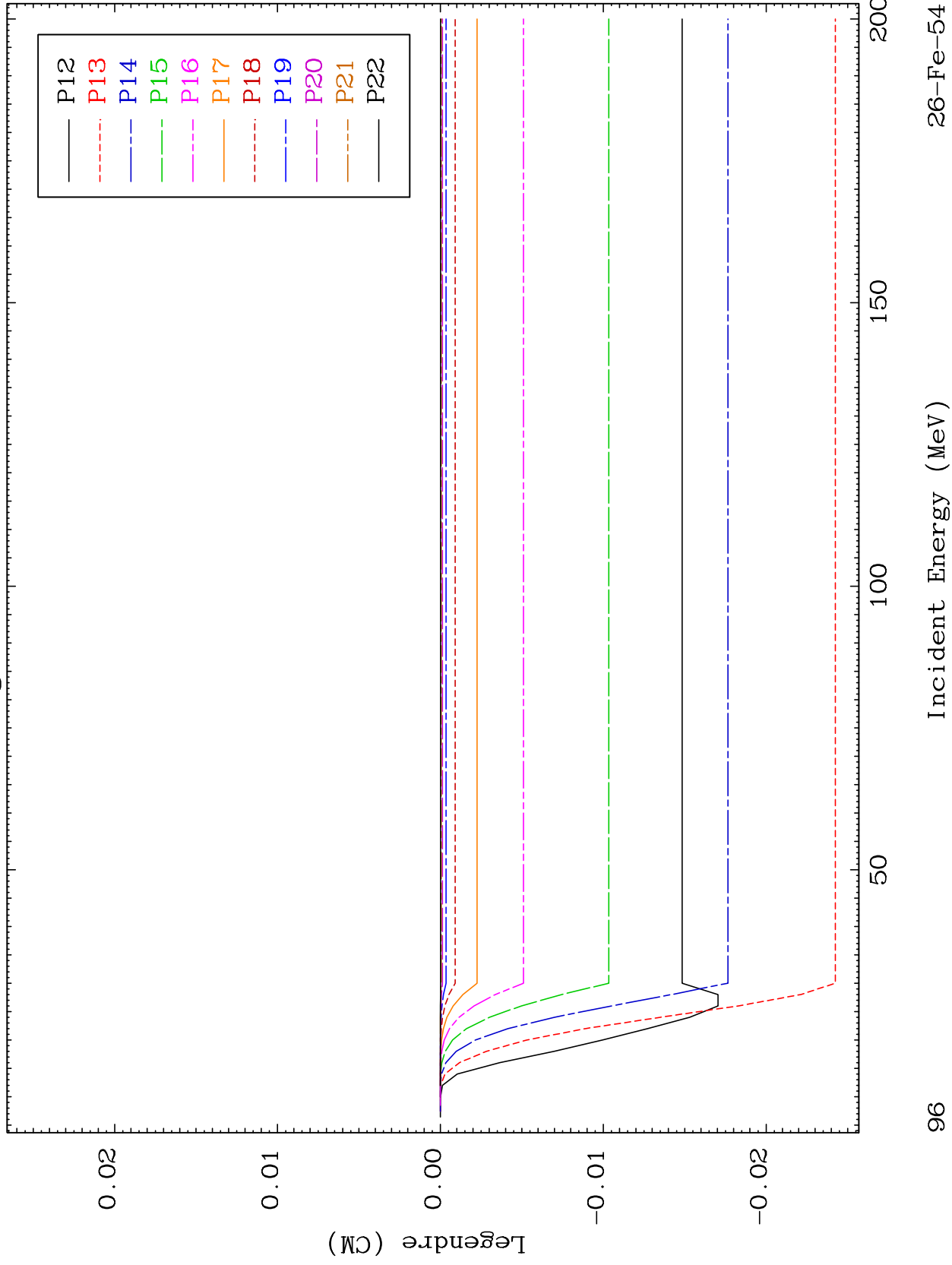
26-Fe-54



MAT 2625

MT= 77 (n,n') Level  
Legendre Coefficients

26-Fe-54



96

Incident Energy (MeV)

26-Fe-54

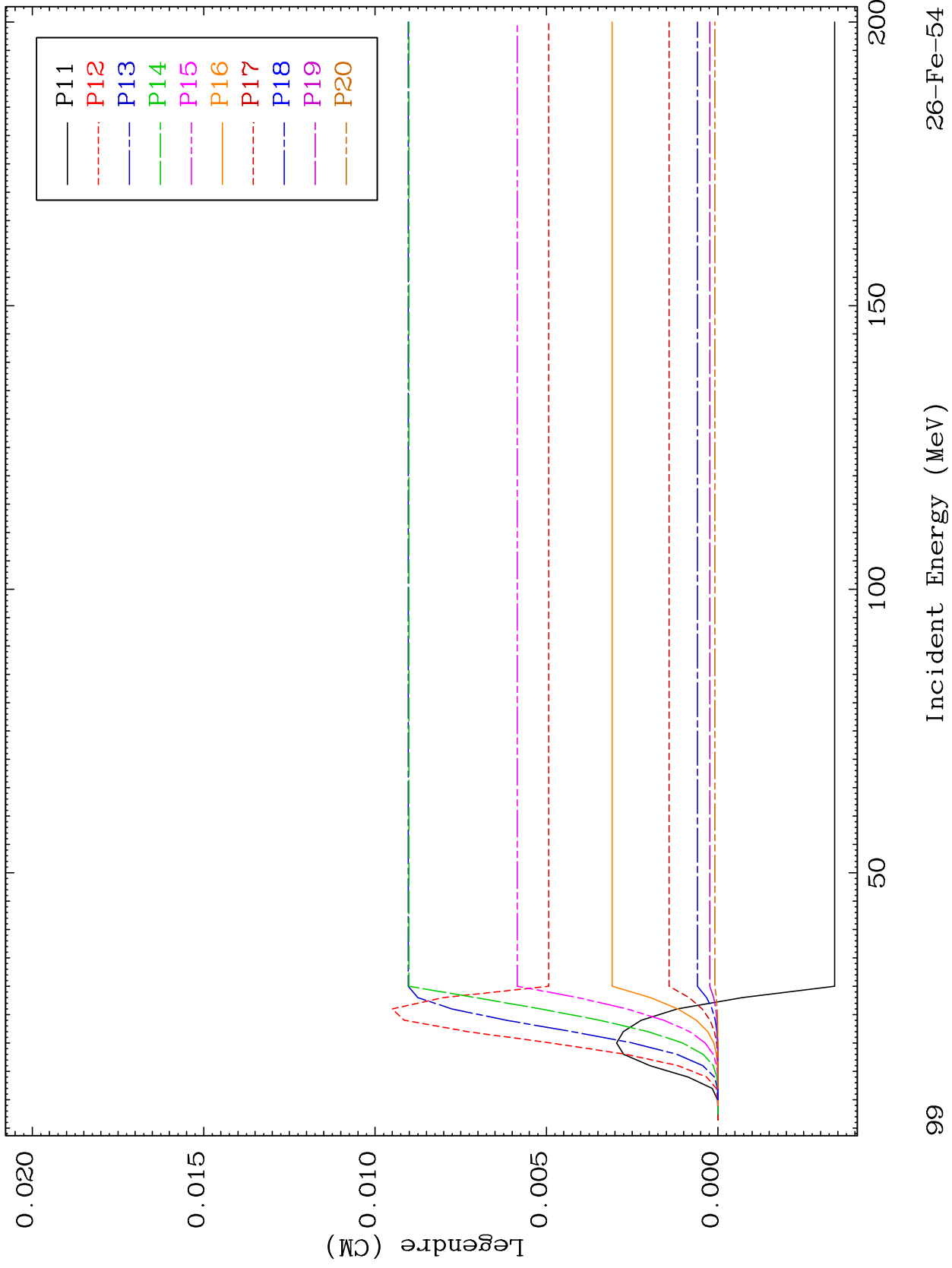




MAT 2625

MT= 78 (n,n') Level  
Legendre Coefficients

26-Fe-54



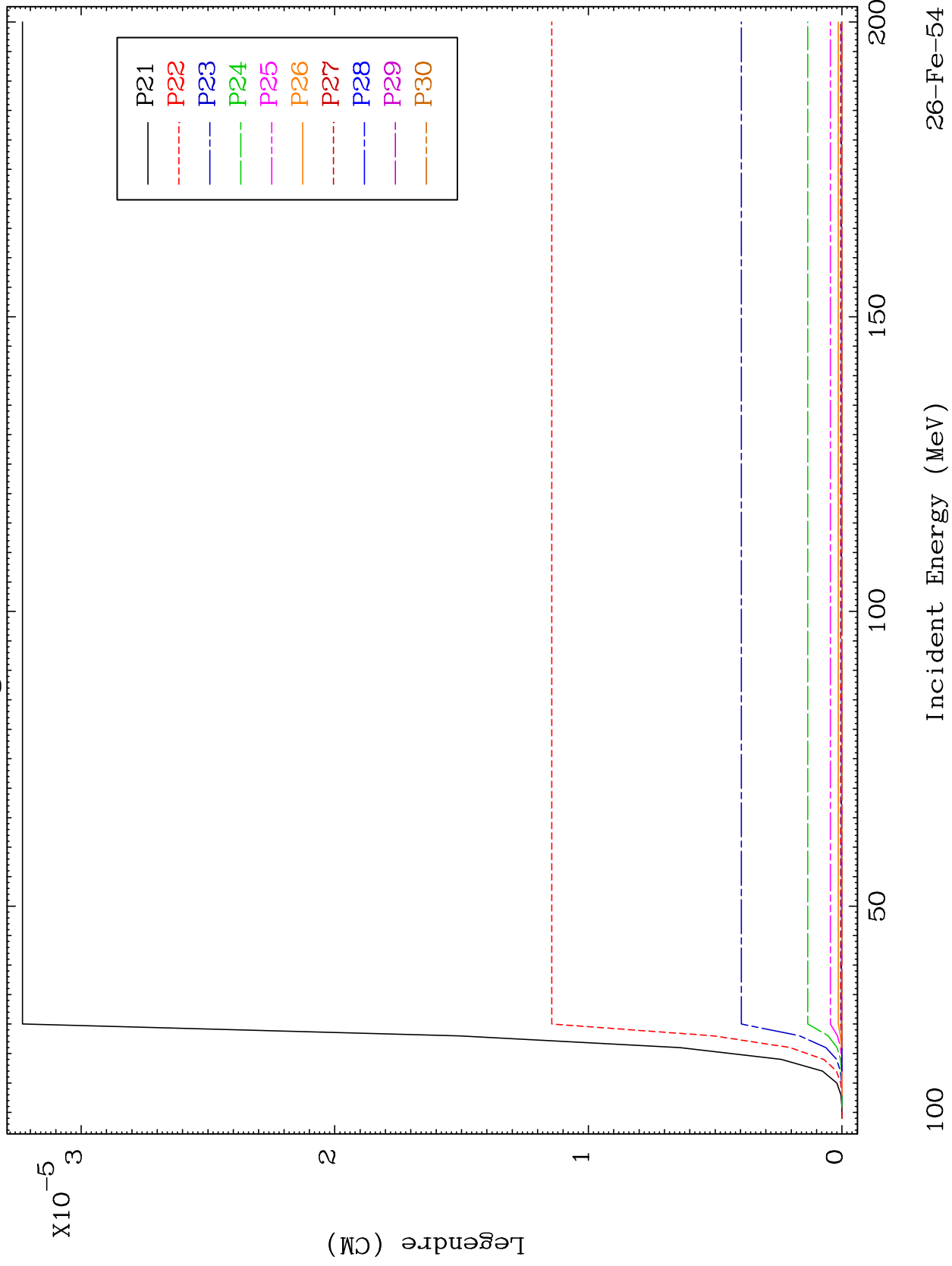
99

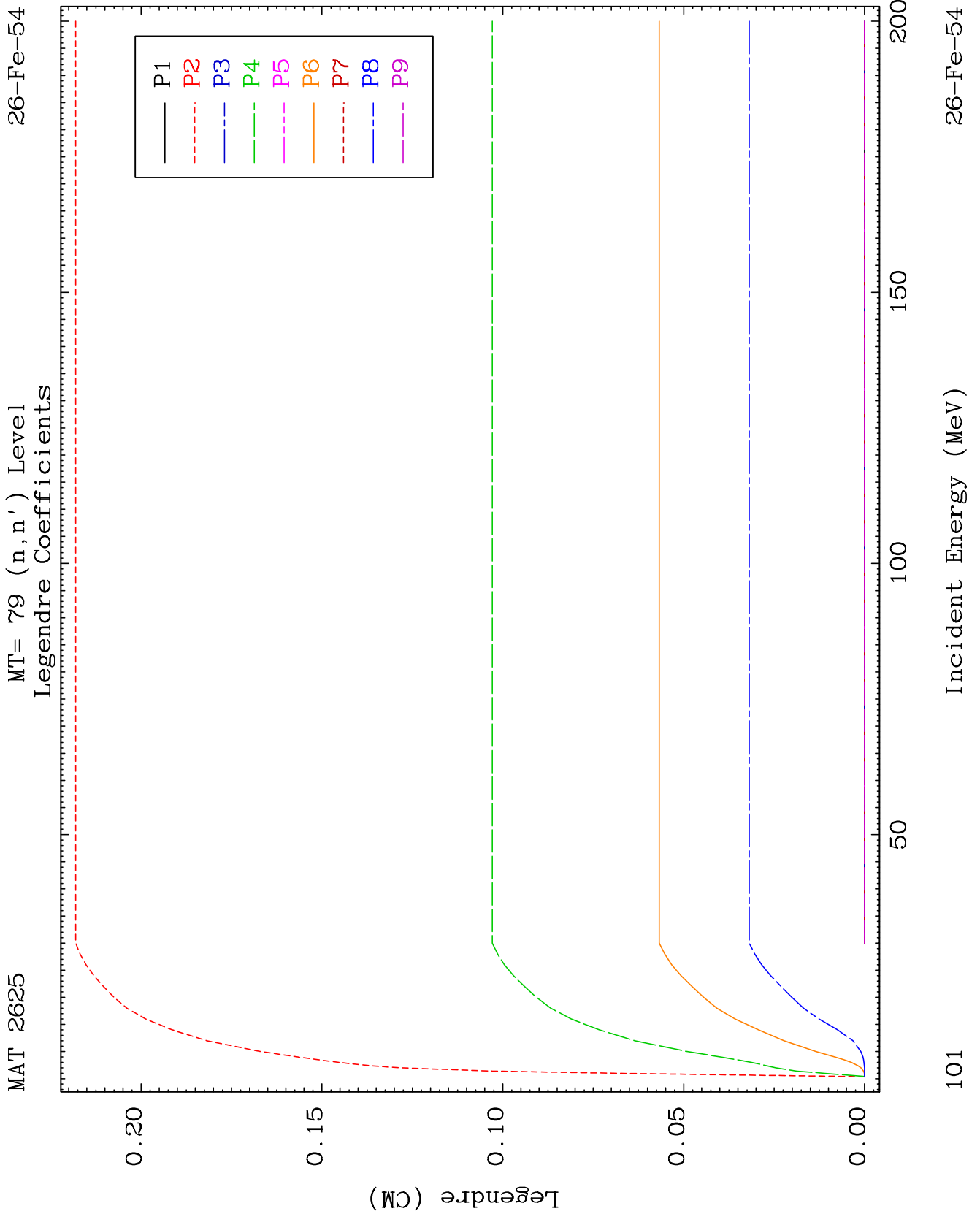
26-Fe-54

MAT 2625

MT= 78 (n,n') Level  
Legendre Coefficients

26-Fe-54

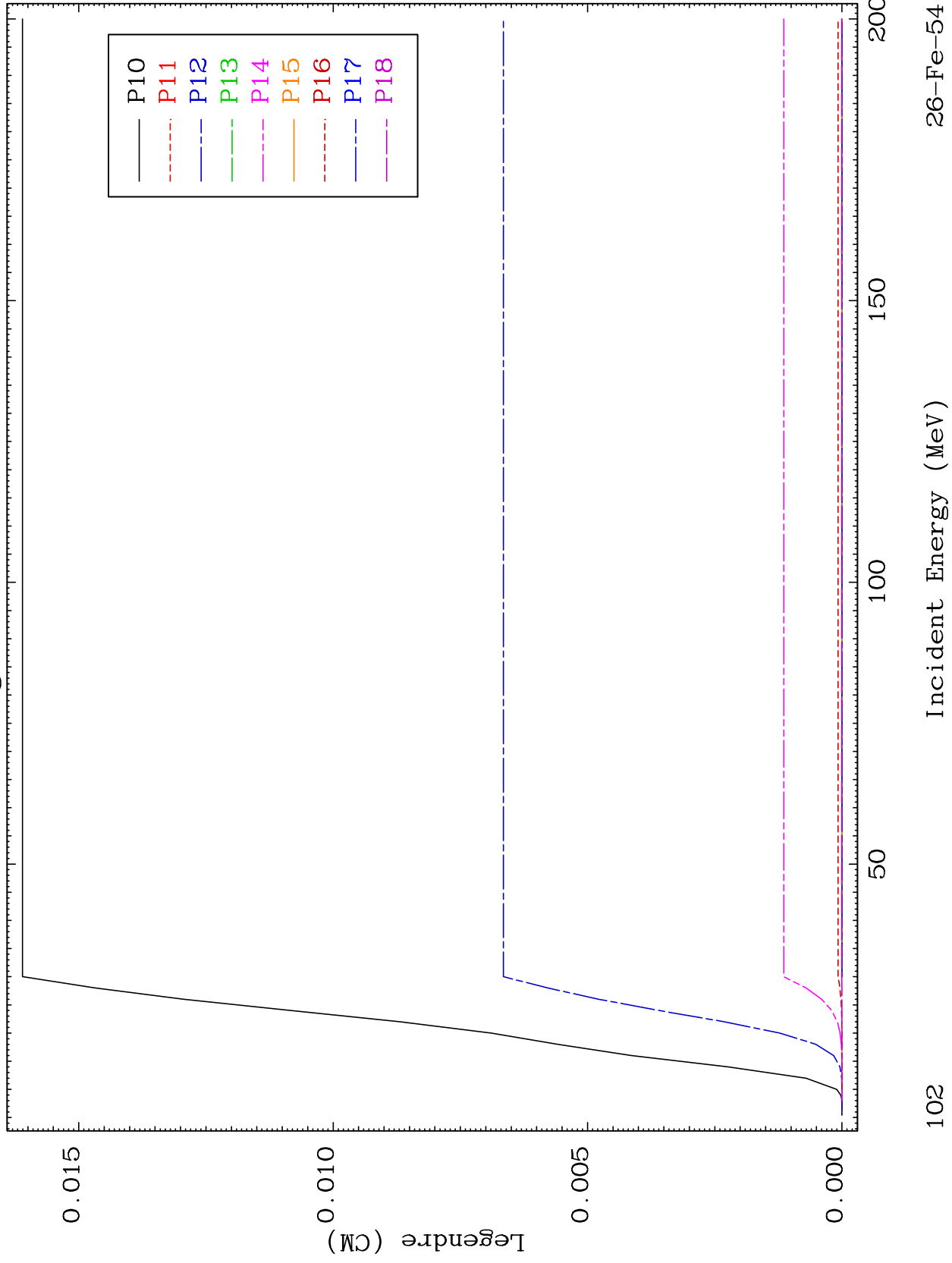




MAT 2625

MT= 79 (n,n') Level  
Legendre Coefficients

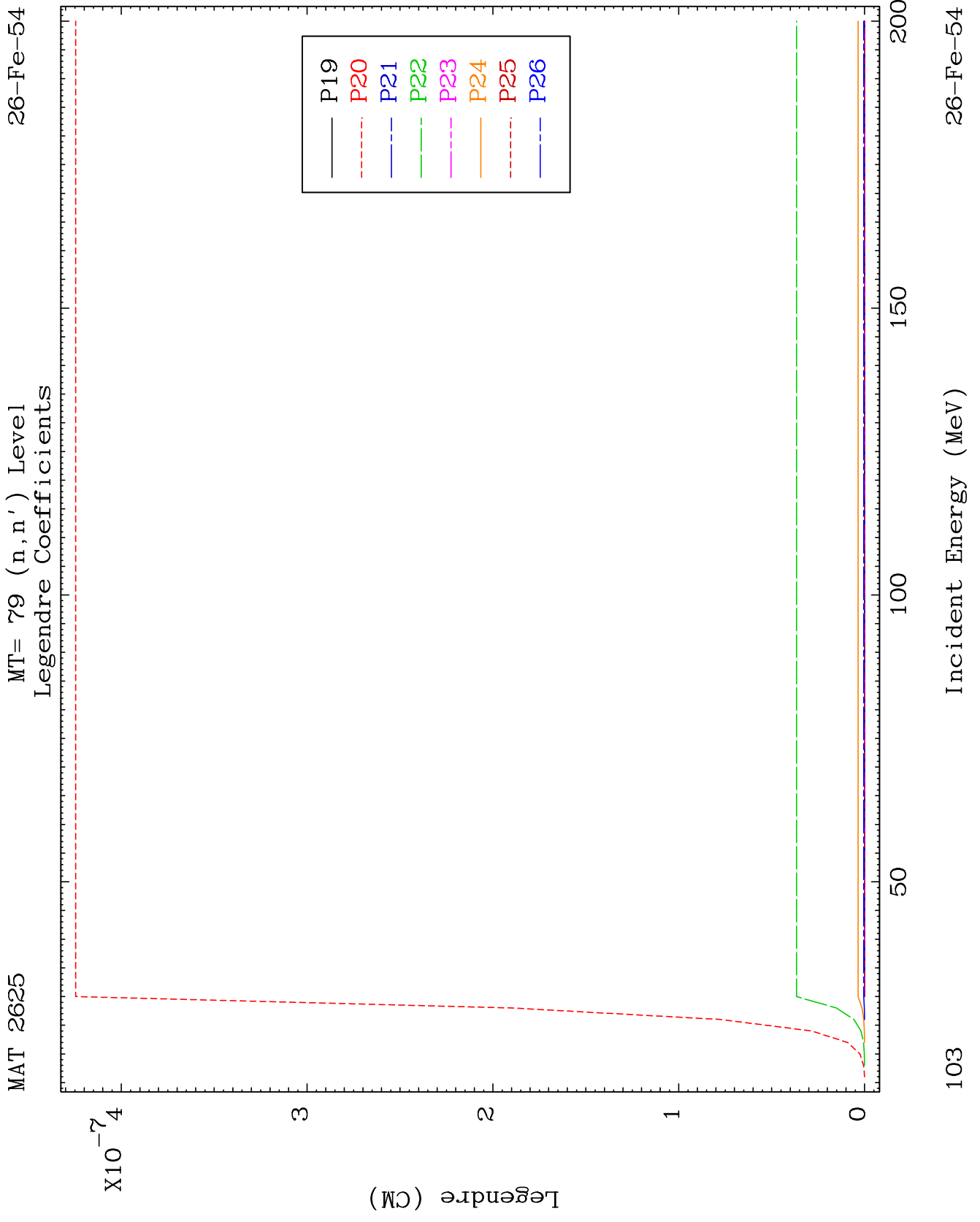
26-Fe-54

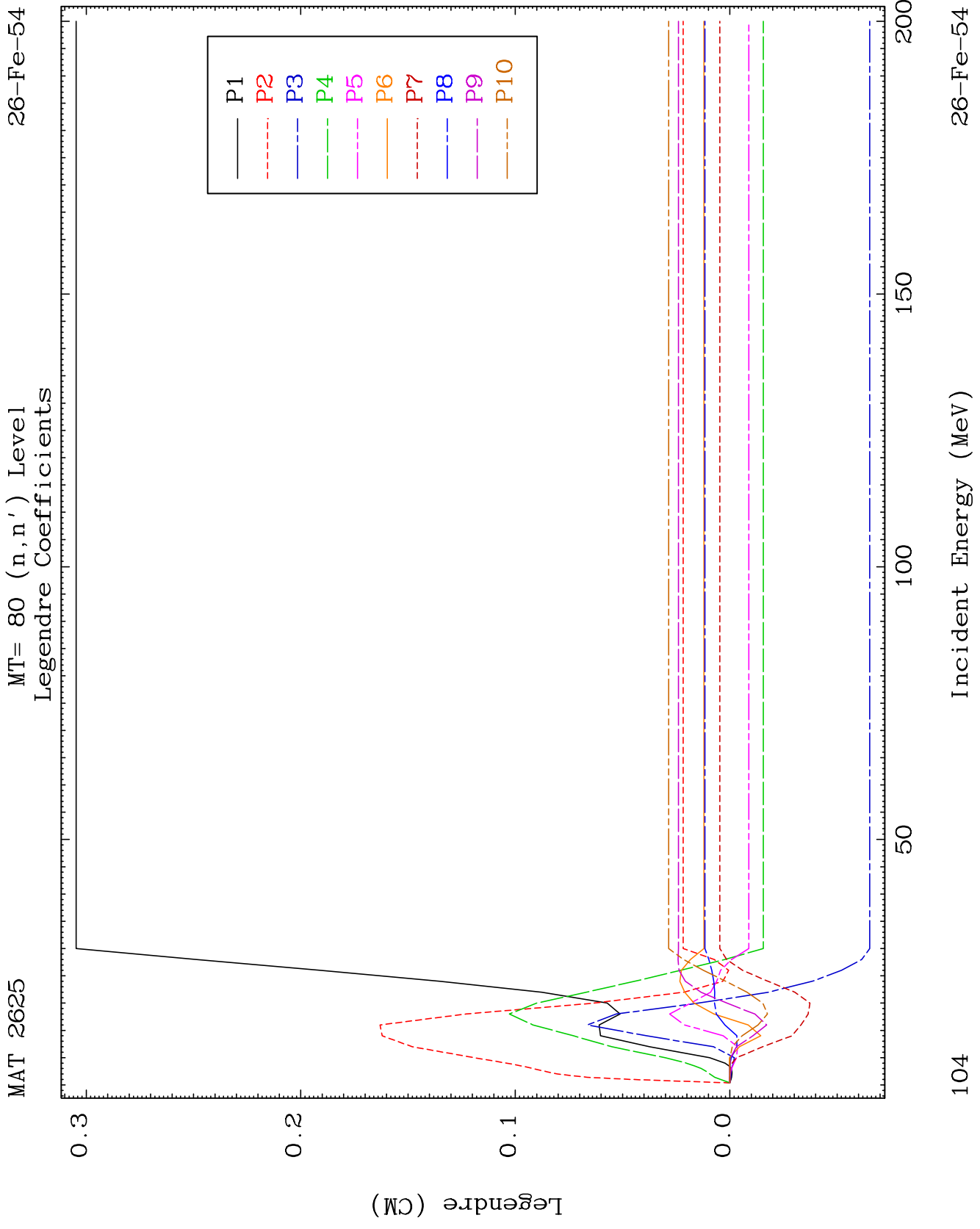


102

Incident Energy (MeV)

26-Fe-54

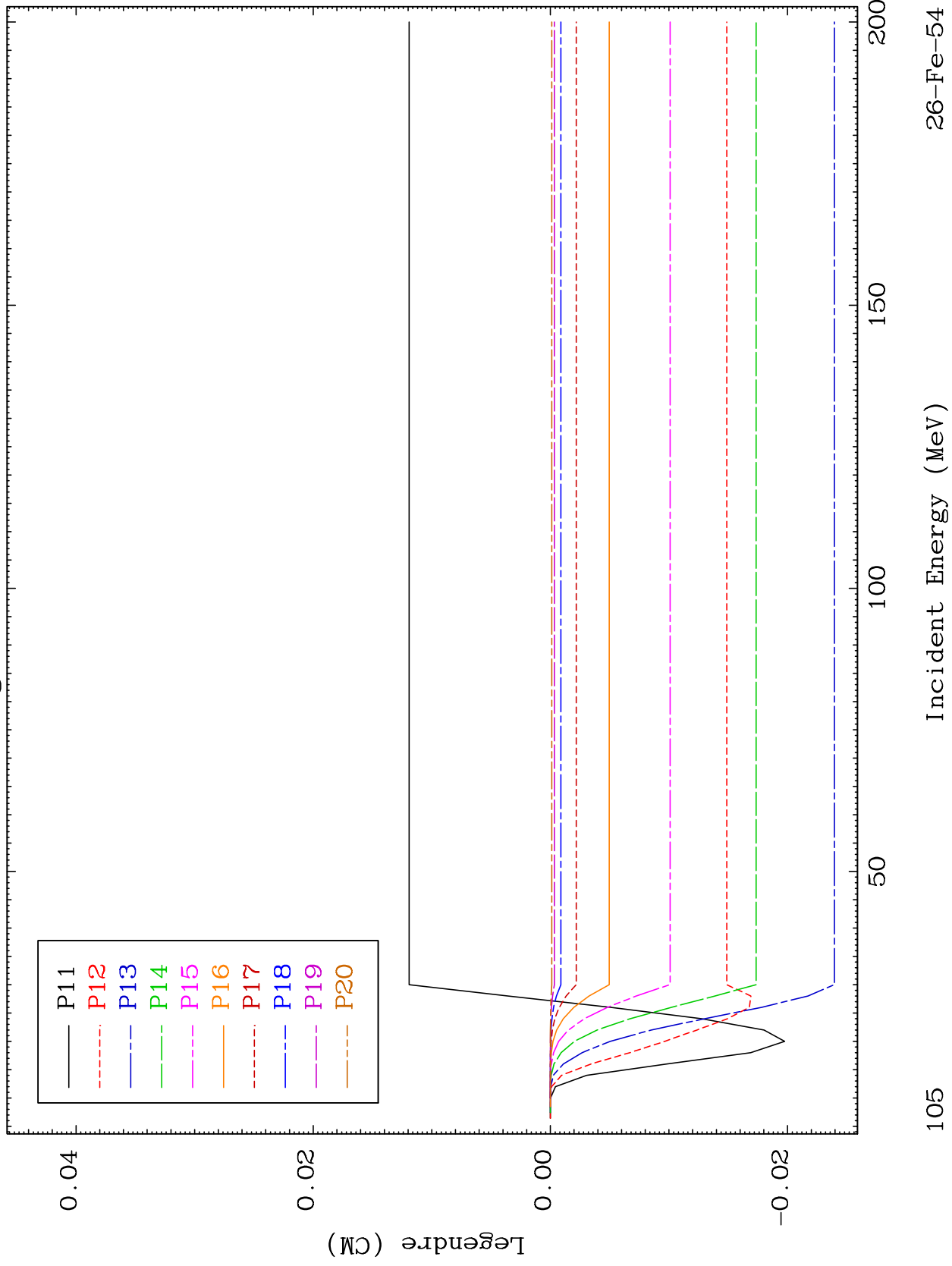


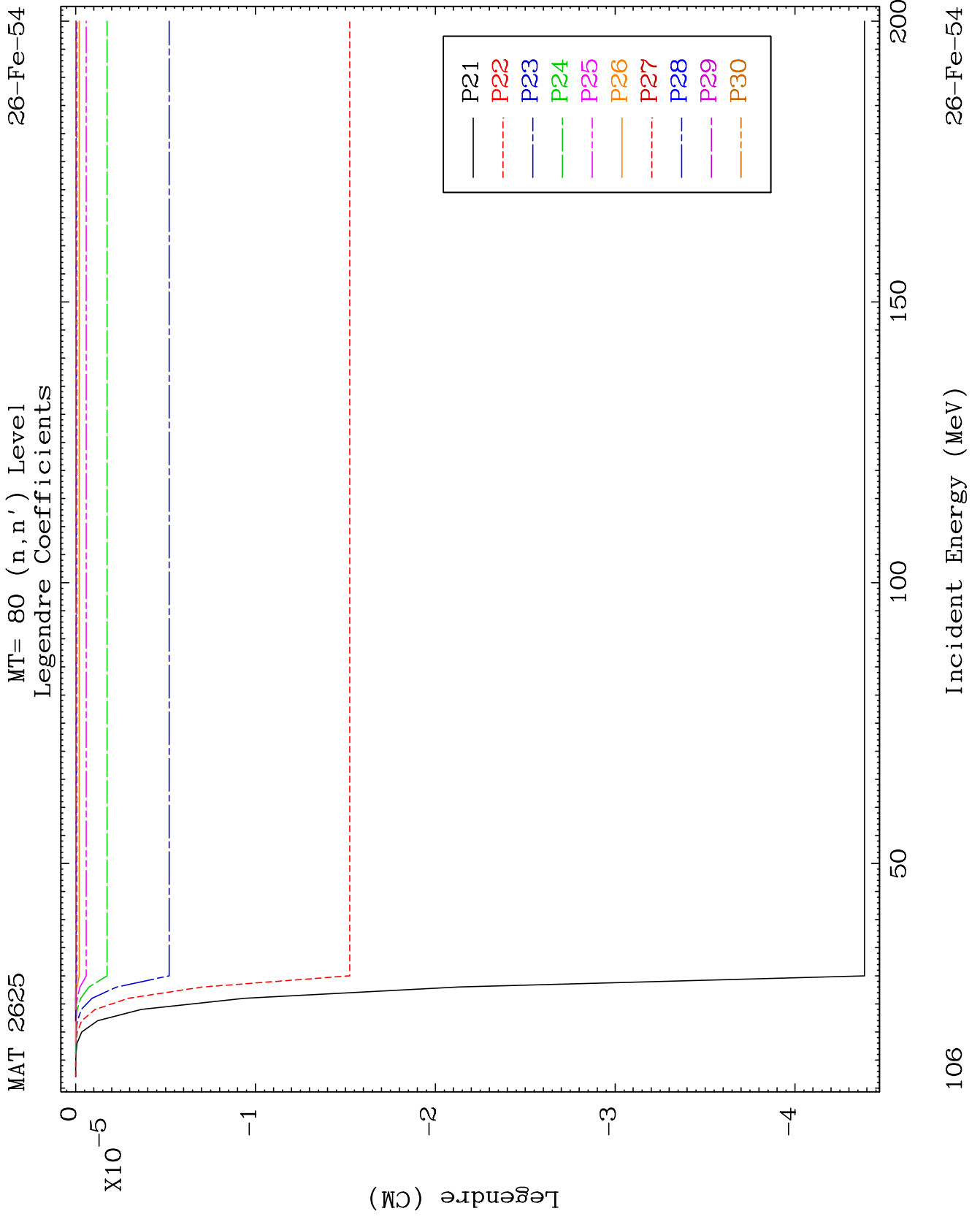


MAT 2625

MT= 80 (n,n') Level  
Legendre Coefficients

26-Fe-54



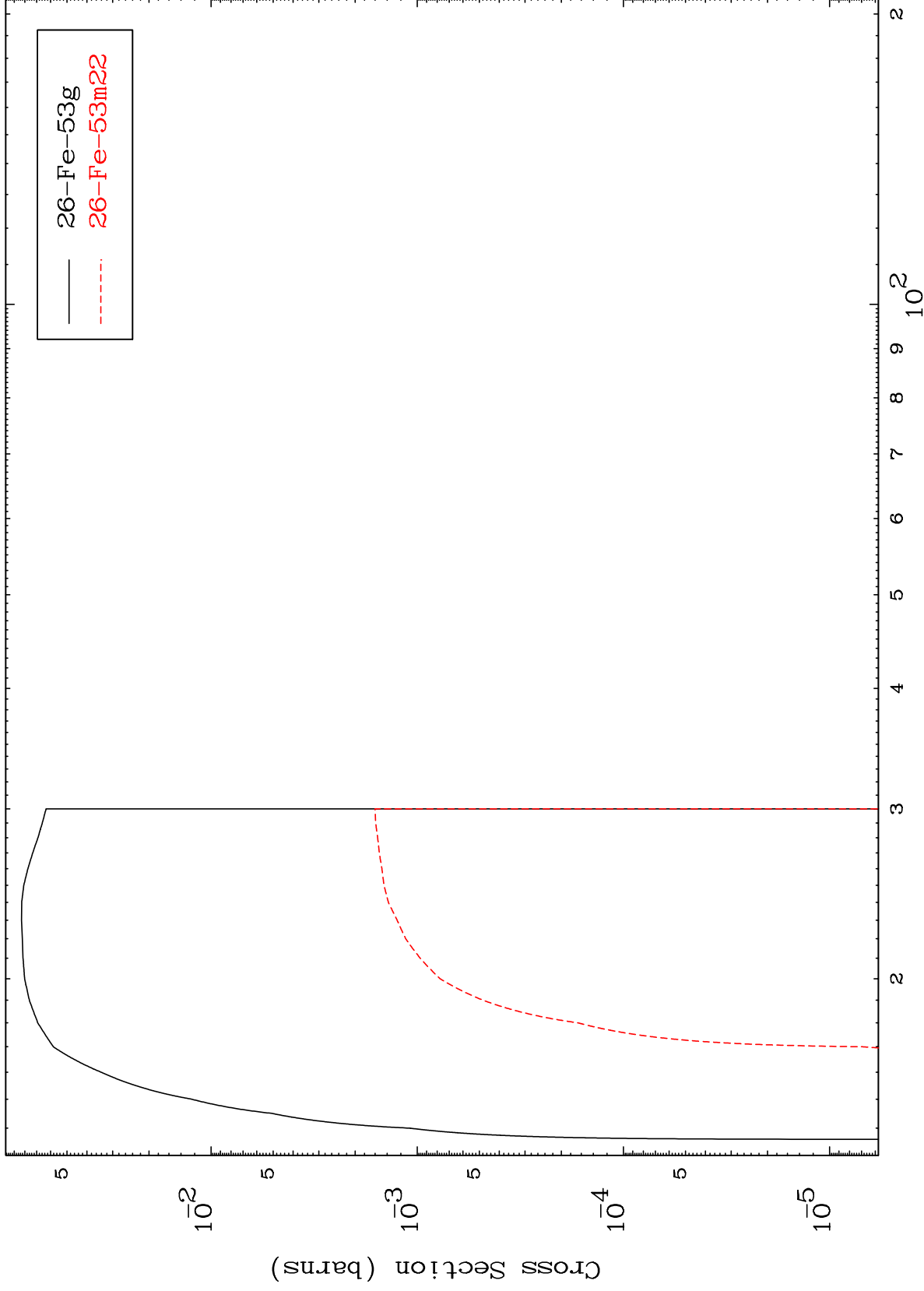


MAT 2625

(n,2n)

26-Fe-54

Radionuclide Production Cross Section



26-Fe-53g

26-Fe-53m22

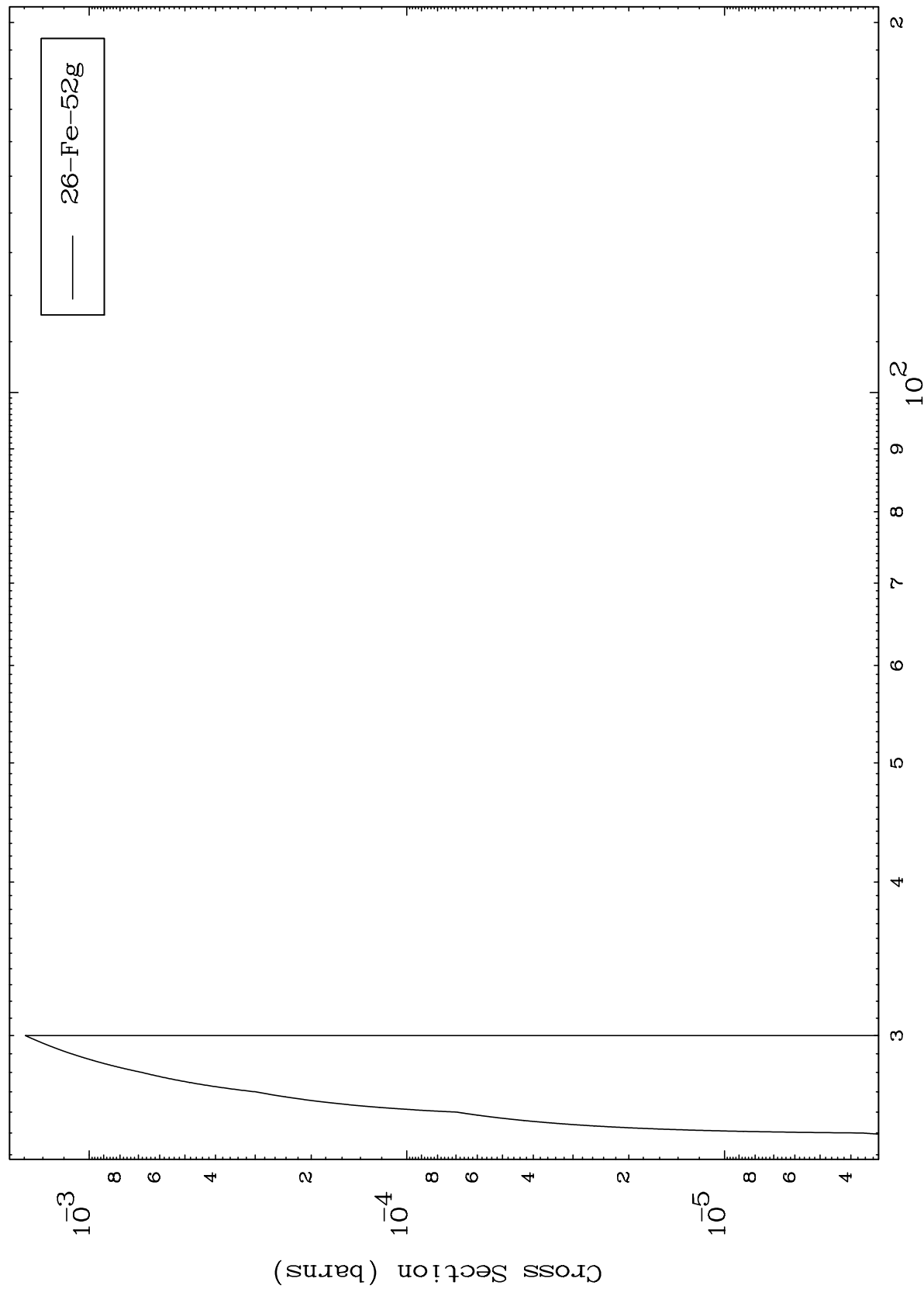
107

Incident Energy (MeV)

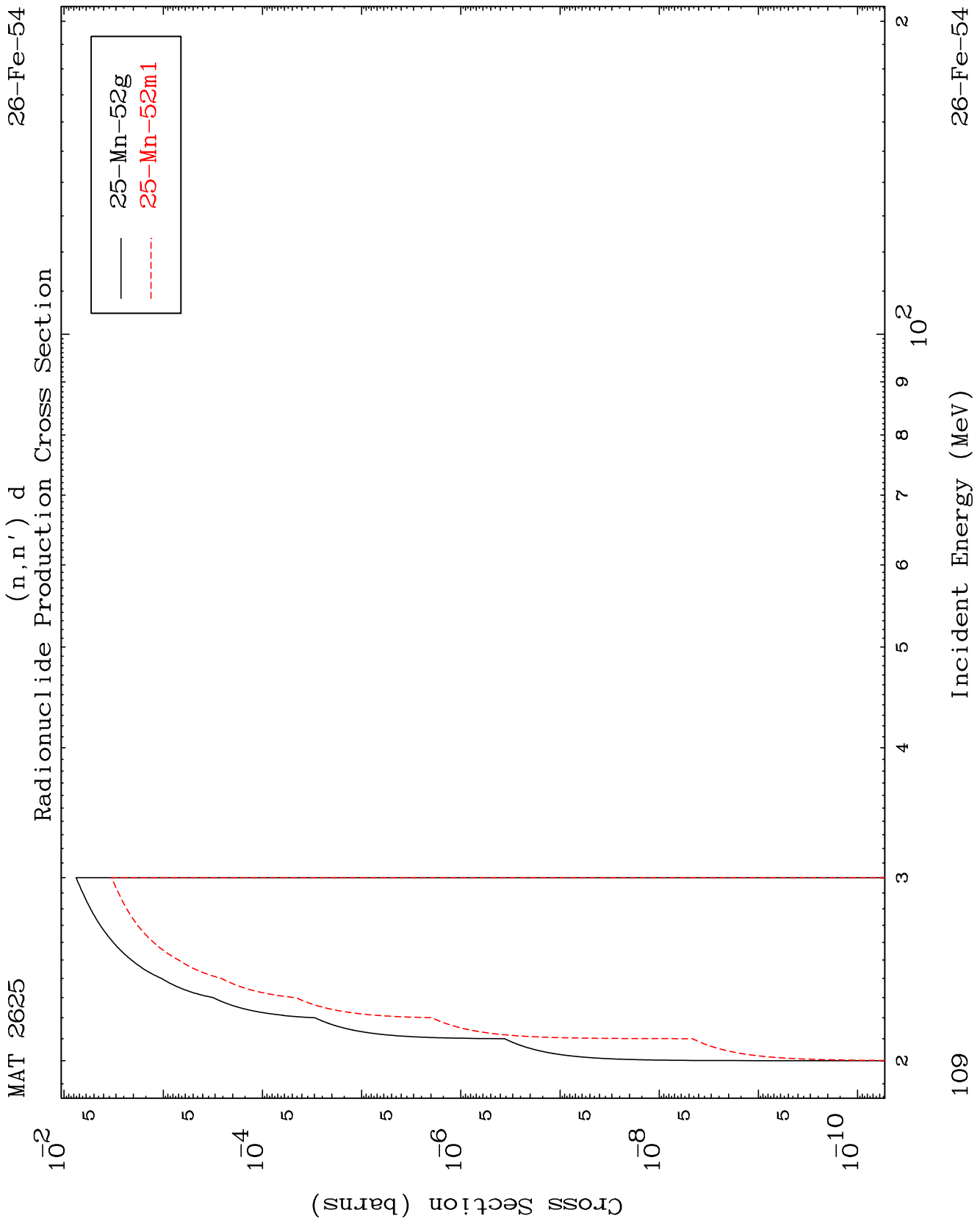
26-Fe-54

(n,3n)

Radionuclide Production Cross Section



Incident Energy (MeV)

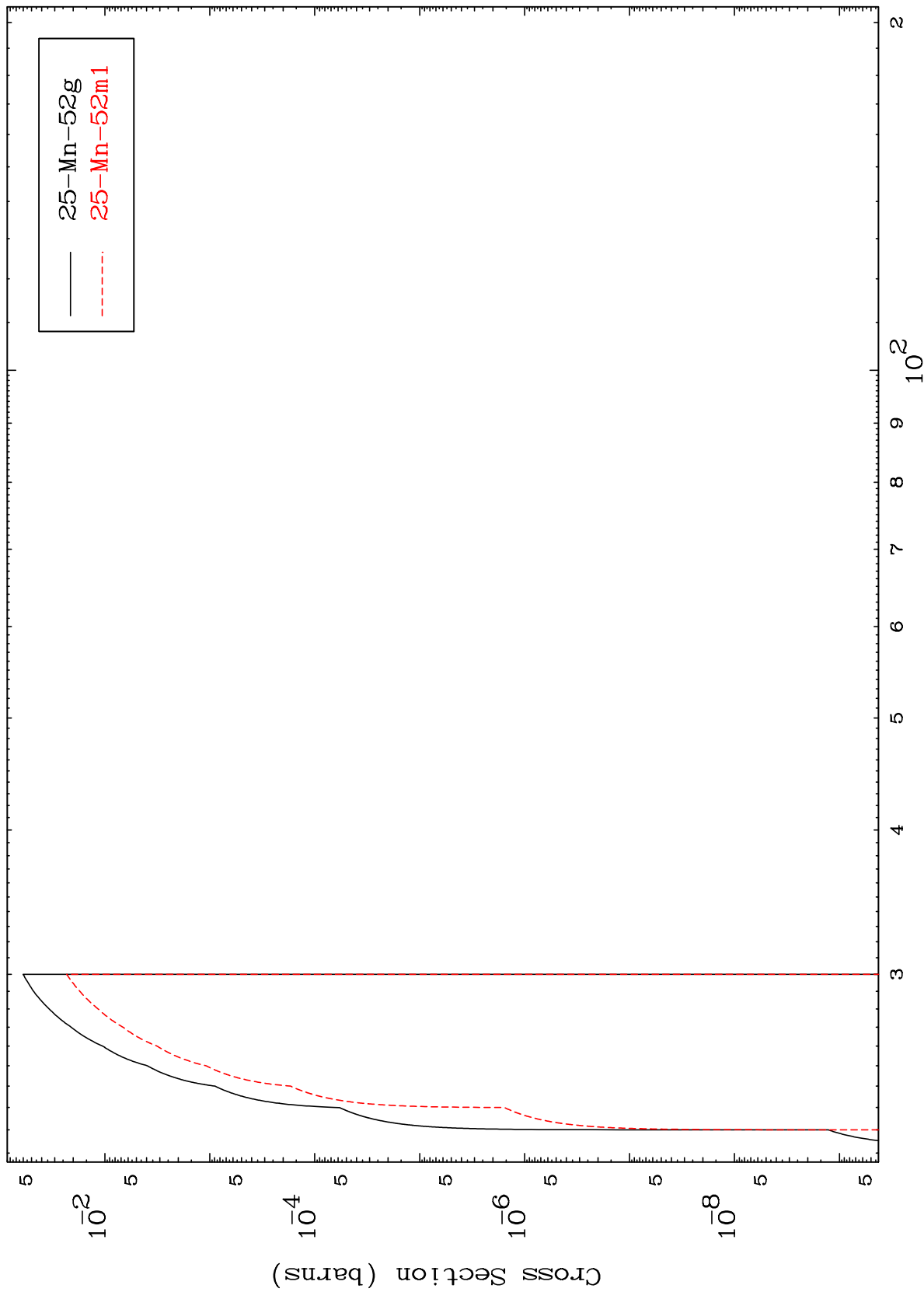


MAT 2625

(n,2n) p

26-Fe-54

Radionuclide Production Cross Section



110

Incident Energy (MeV)

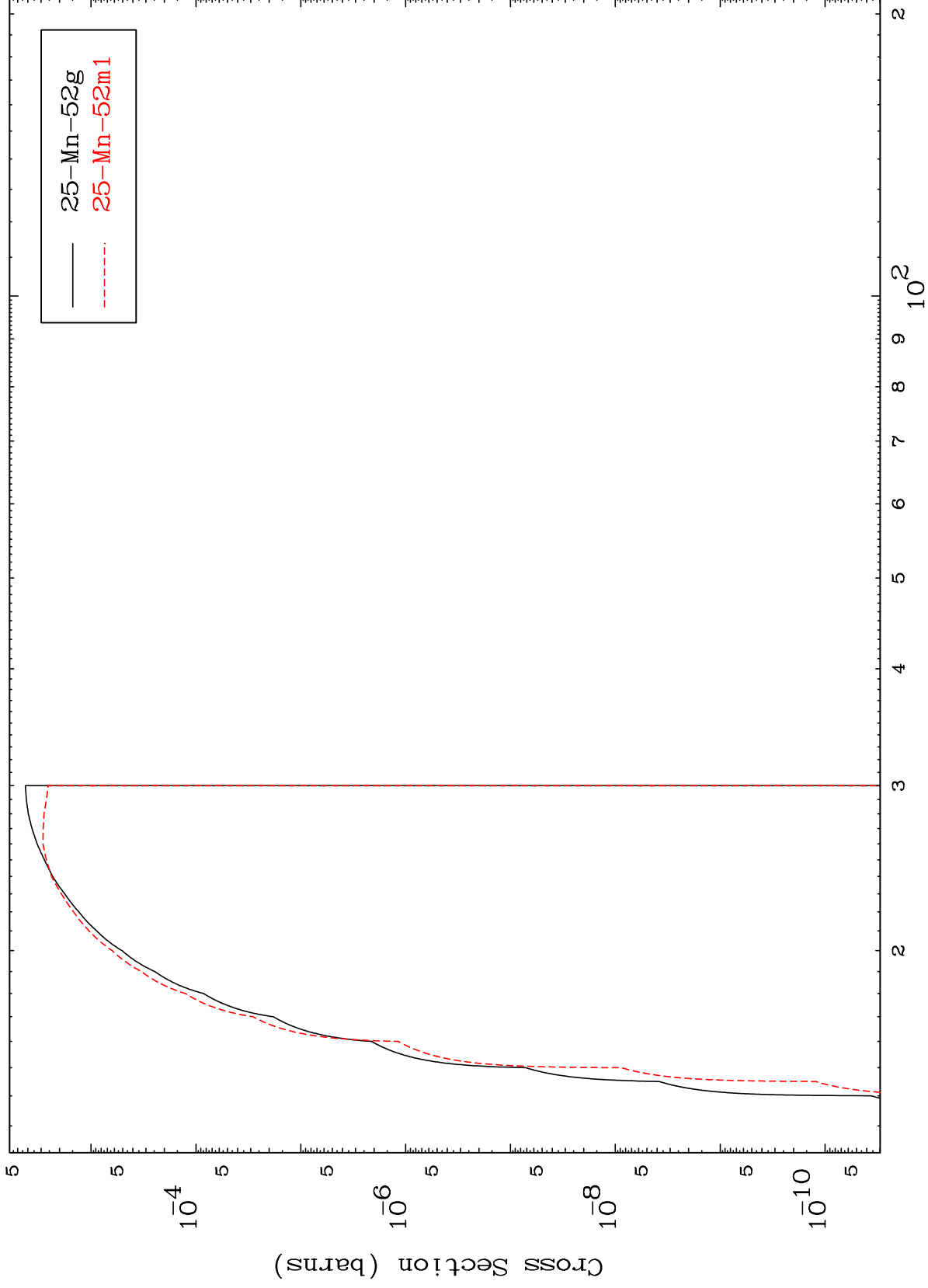
26-Fe-54

MAT 2625

(n,t)

26-Fe-54

Radionuclide Production Cross Section



111

Incident Energy (MeV)

26-Fe-54