

Program EVALPLOT  
(Version 2021-1)

by

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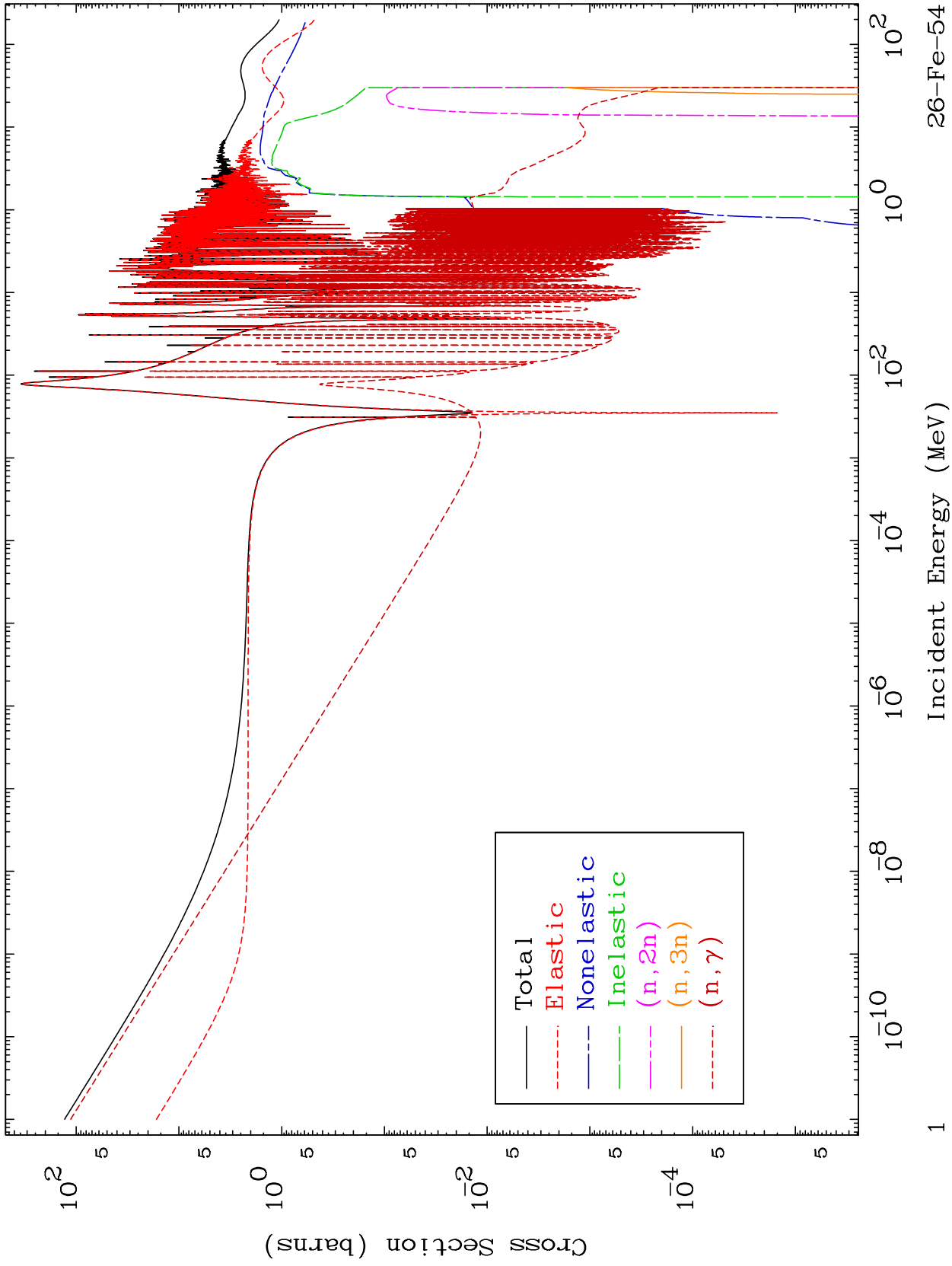
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2625

Neutron Major  
293 Kelvin Cross Sections

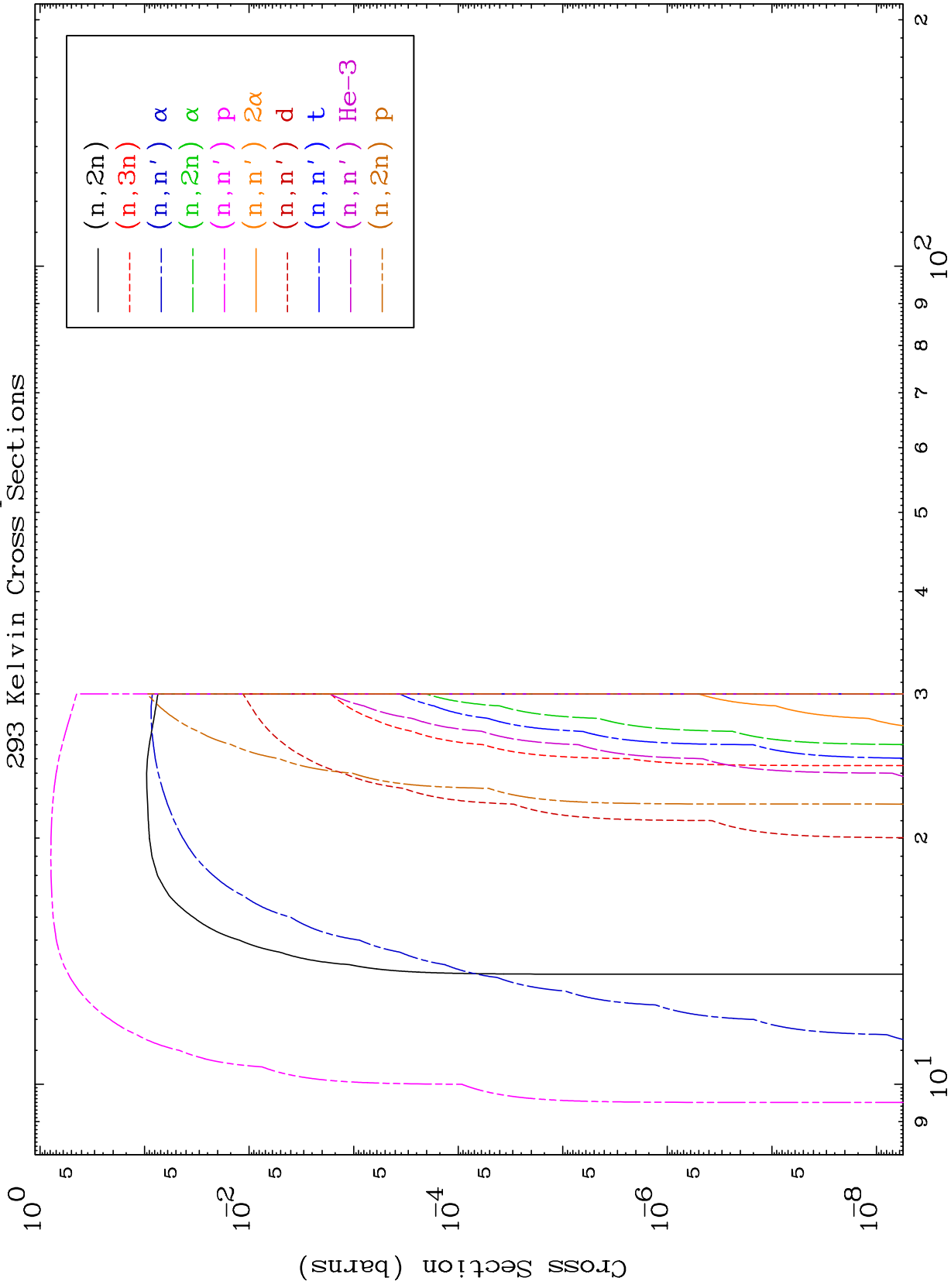
26-Fe-54



MAT 2625

Neutron Absorption  
293 Kelvin Cross Sections

26-Fe-54



2

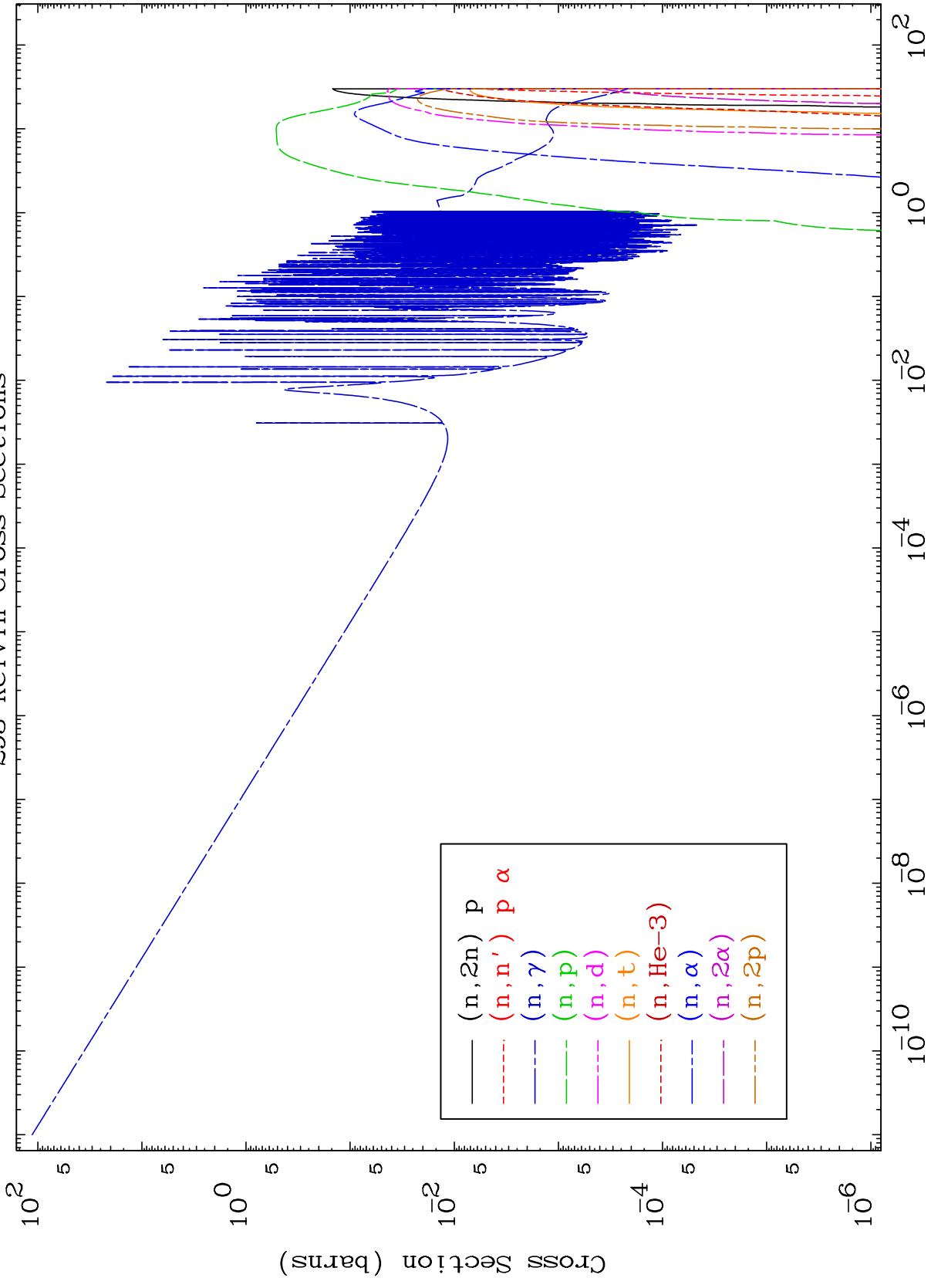
Incident Energy (MeV)

26-Fe-54

MAT 2625

Neutron Absorption  
293 Kelvin Cross Sections

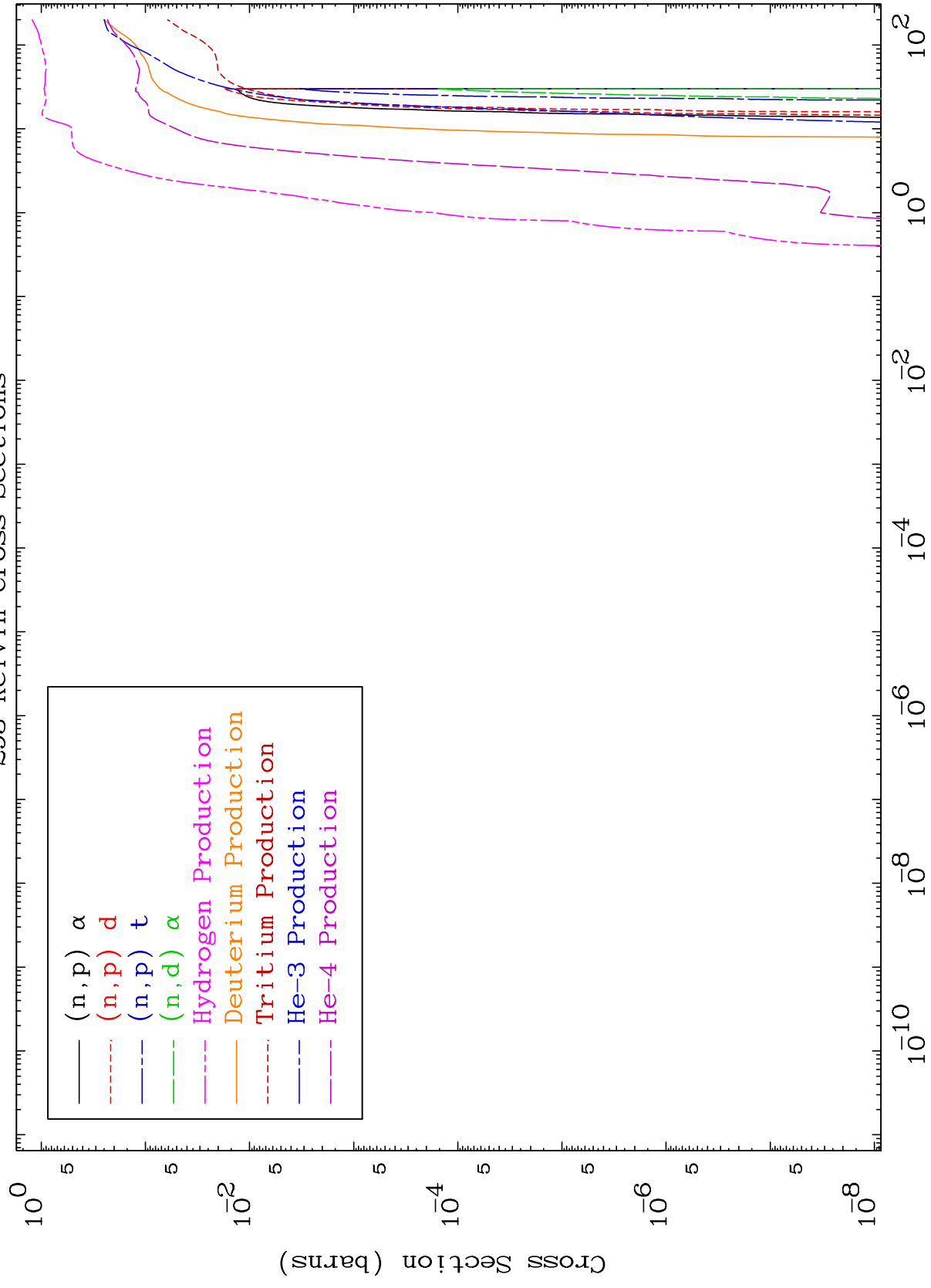
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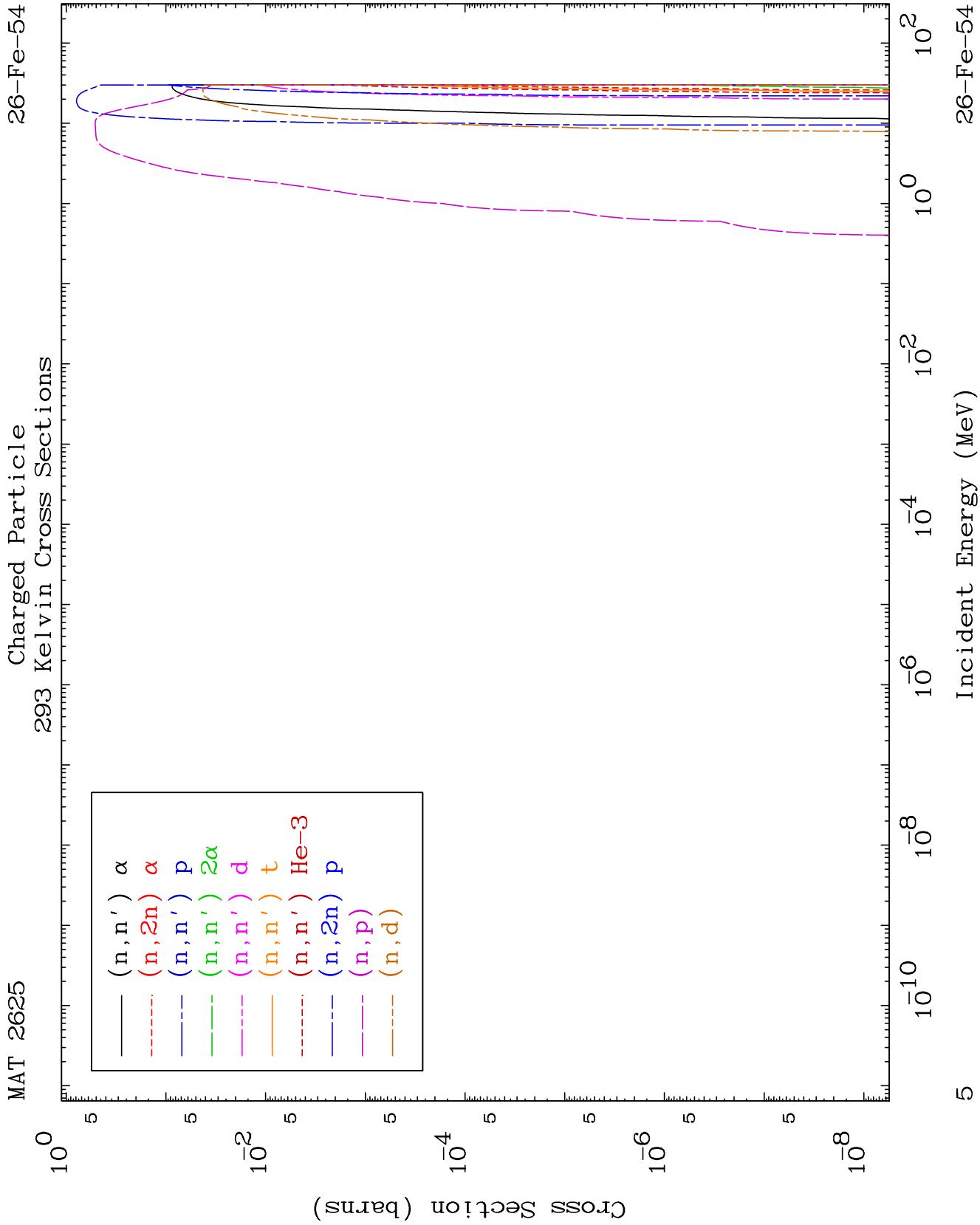


MAT 2625

Neutron Absorption  
293 Kelvin Cross Sections

26-Fe-54

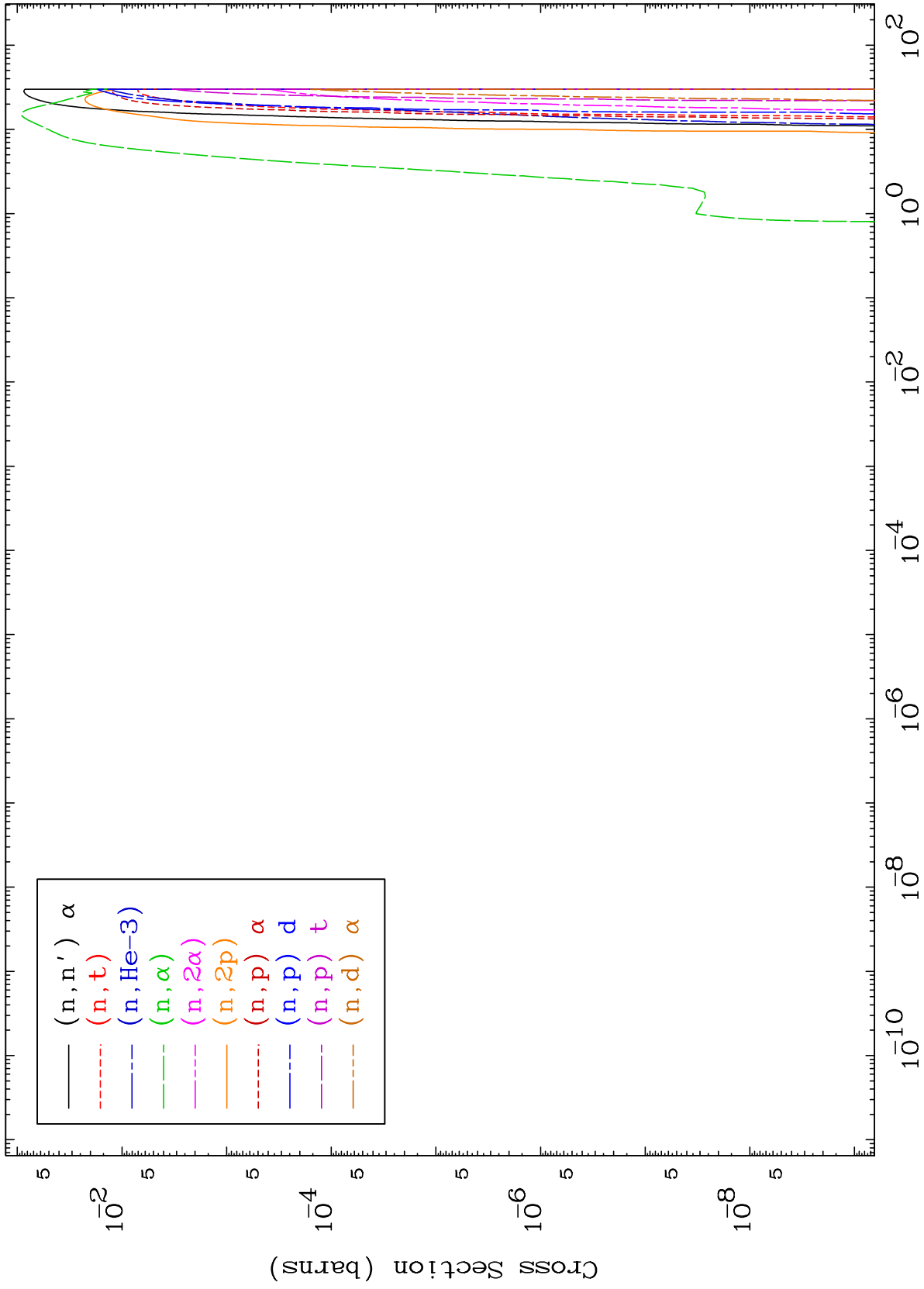




MAT 2625

Charged Particle  
293 Kelvin Cross Sections

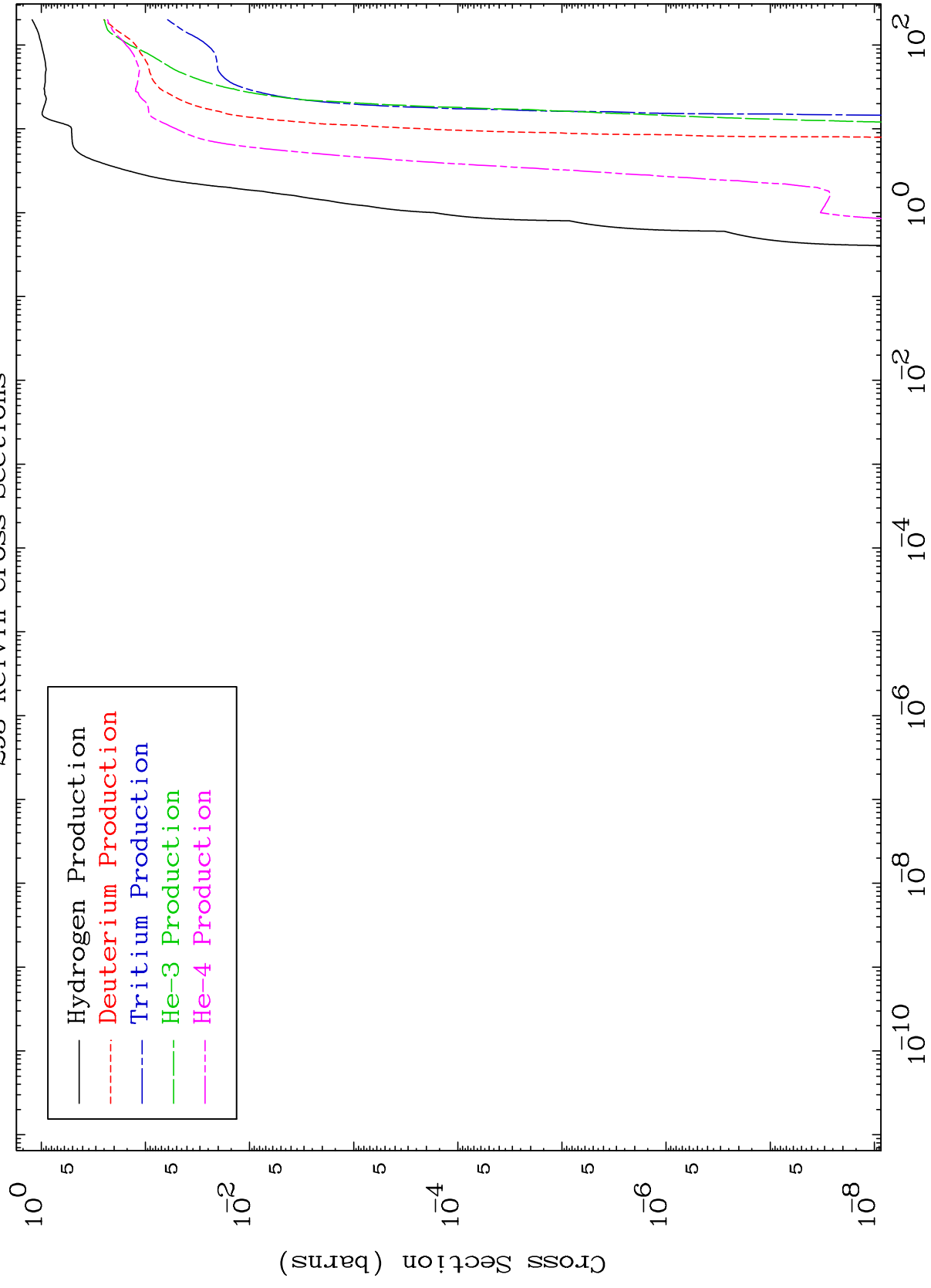
26-Fe-54



MAT 2625

Particle Production  
293 Kelvin Cross Sections

26-Fe-54



7

Incident Energy (MeV)

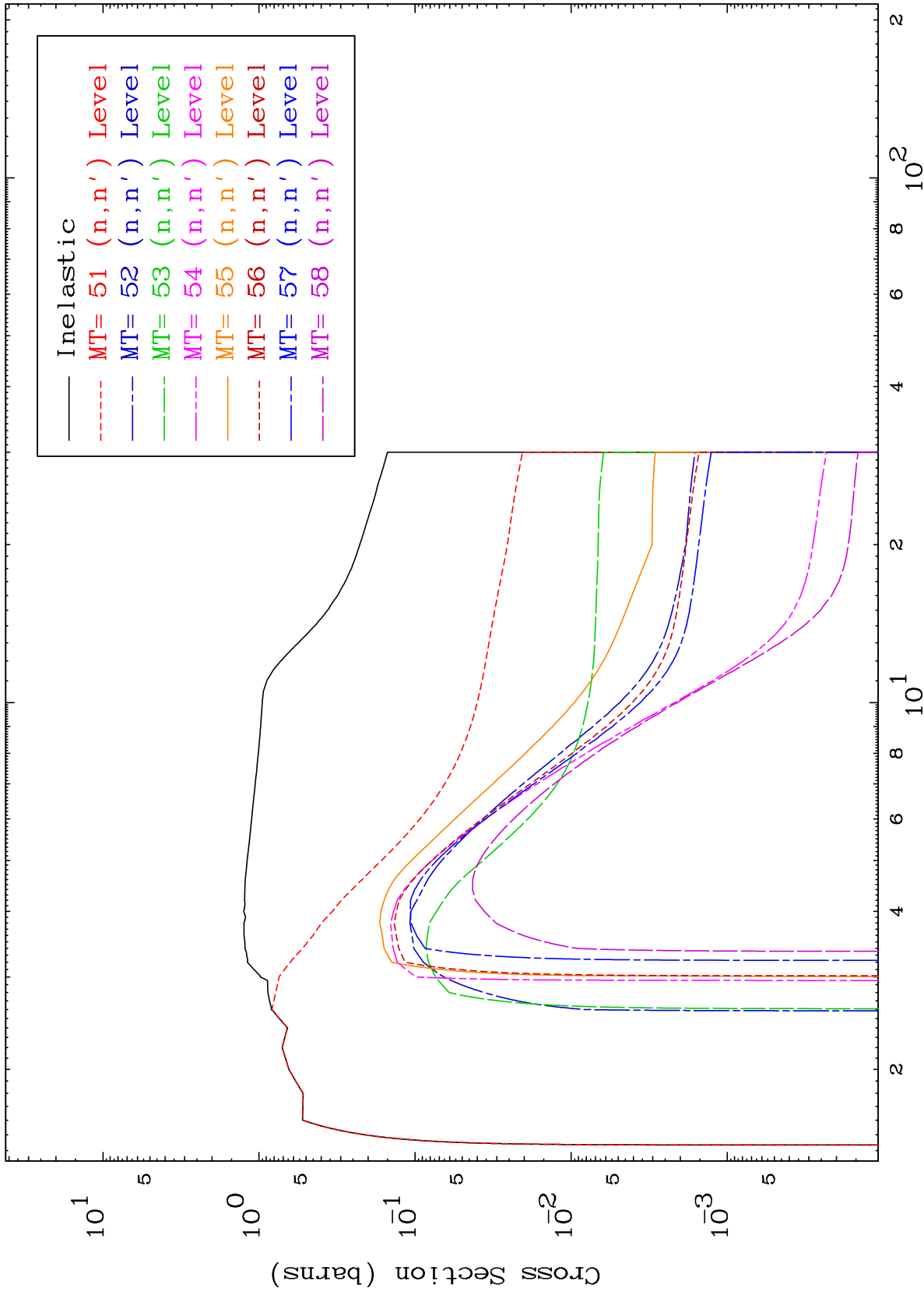
26-Fe-54



MAT 2625

(n,n') Levels  
293 Kelvin Cross Sections

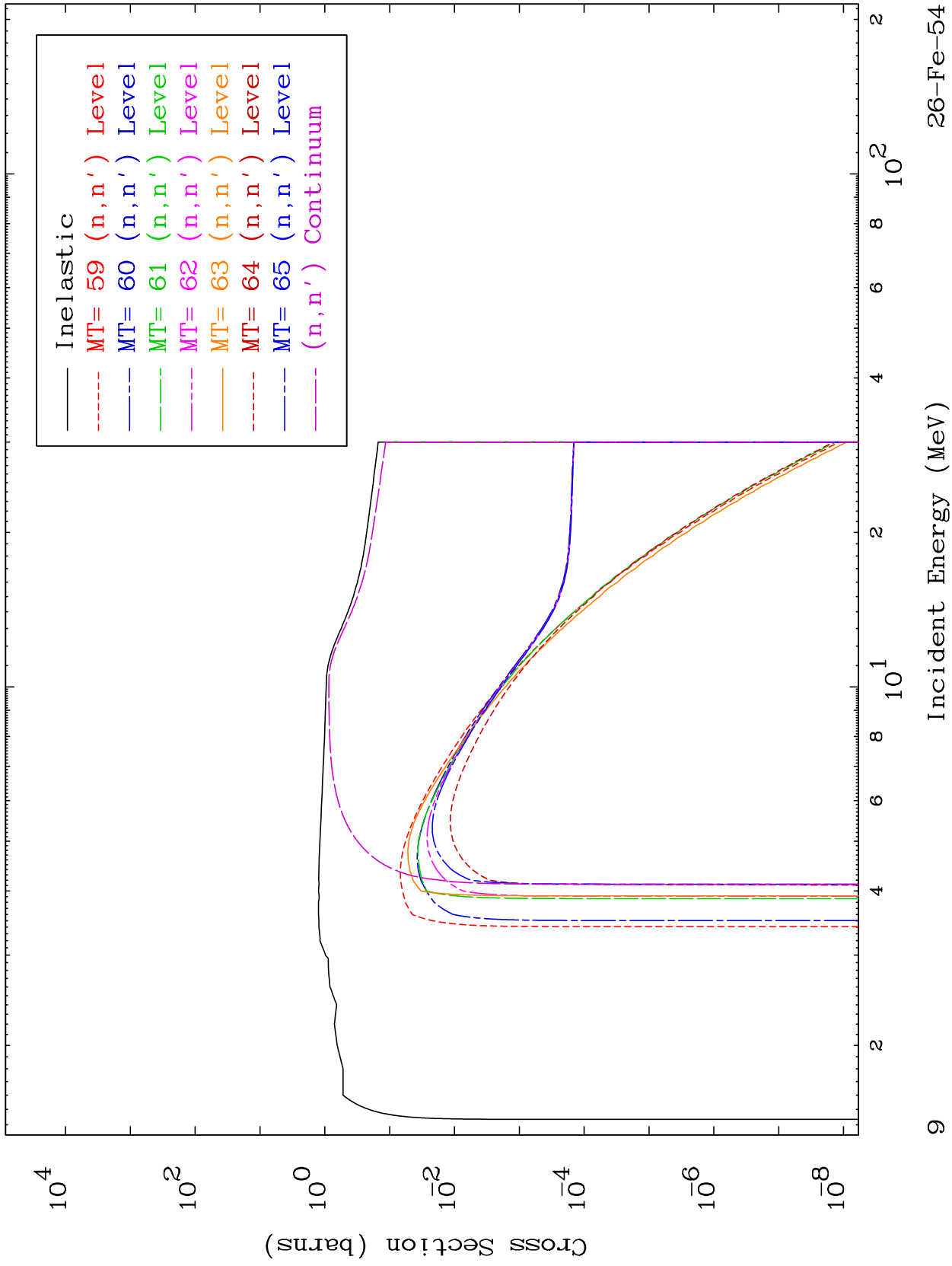
26-Fe-54



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Incident Energy (MeV)

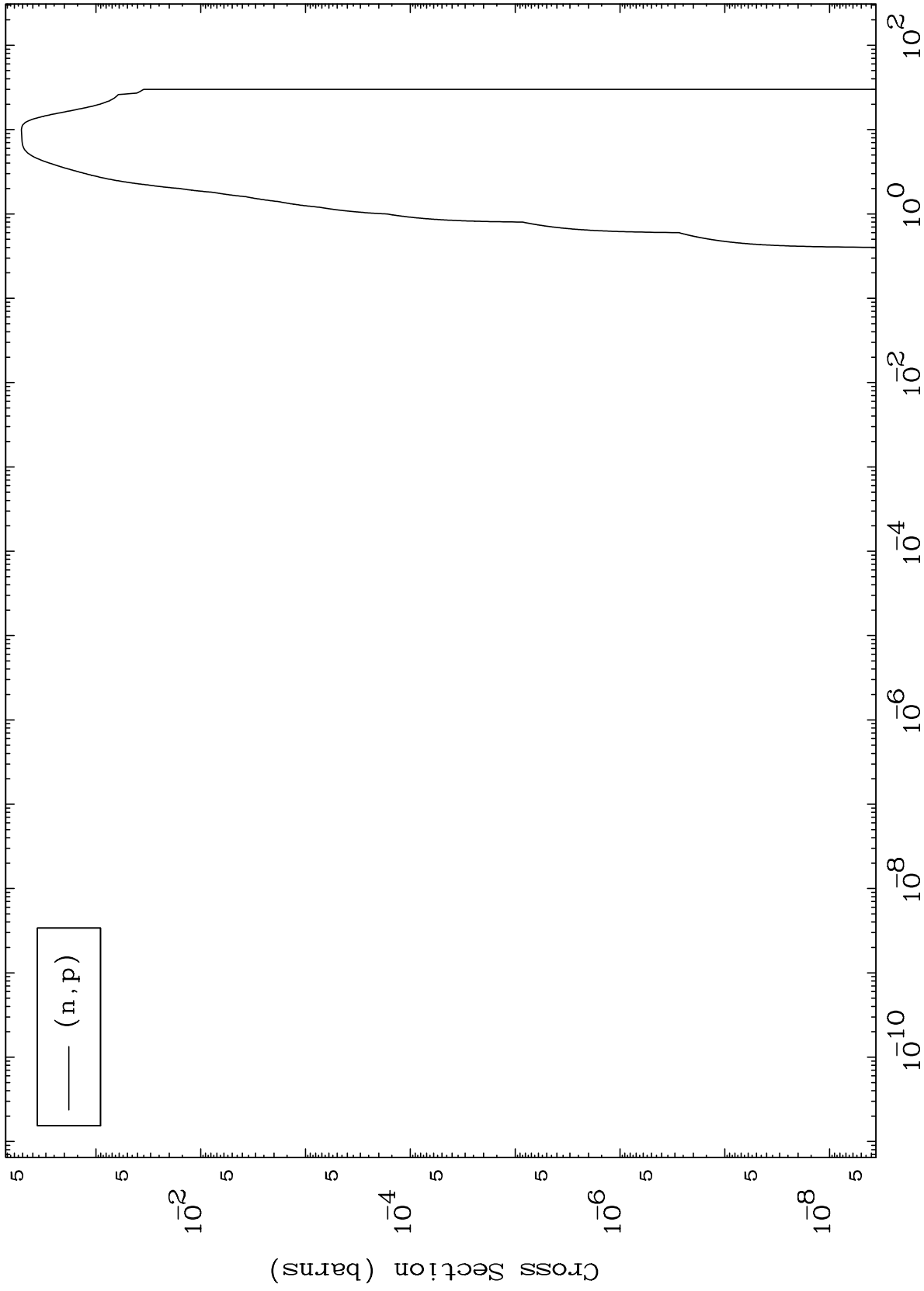
26-Fe-54



MAT 2625

(n,p) Levels  
293 Kelvin Cross Sections

26-Fe-54



10

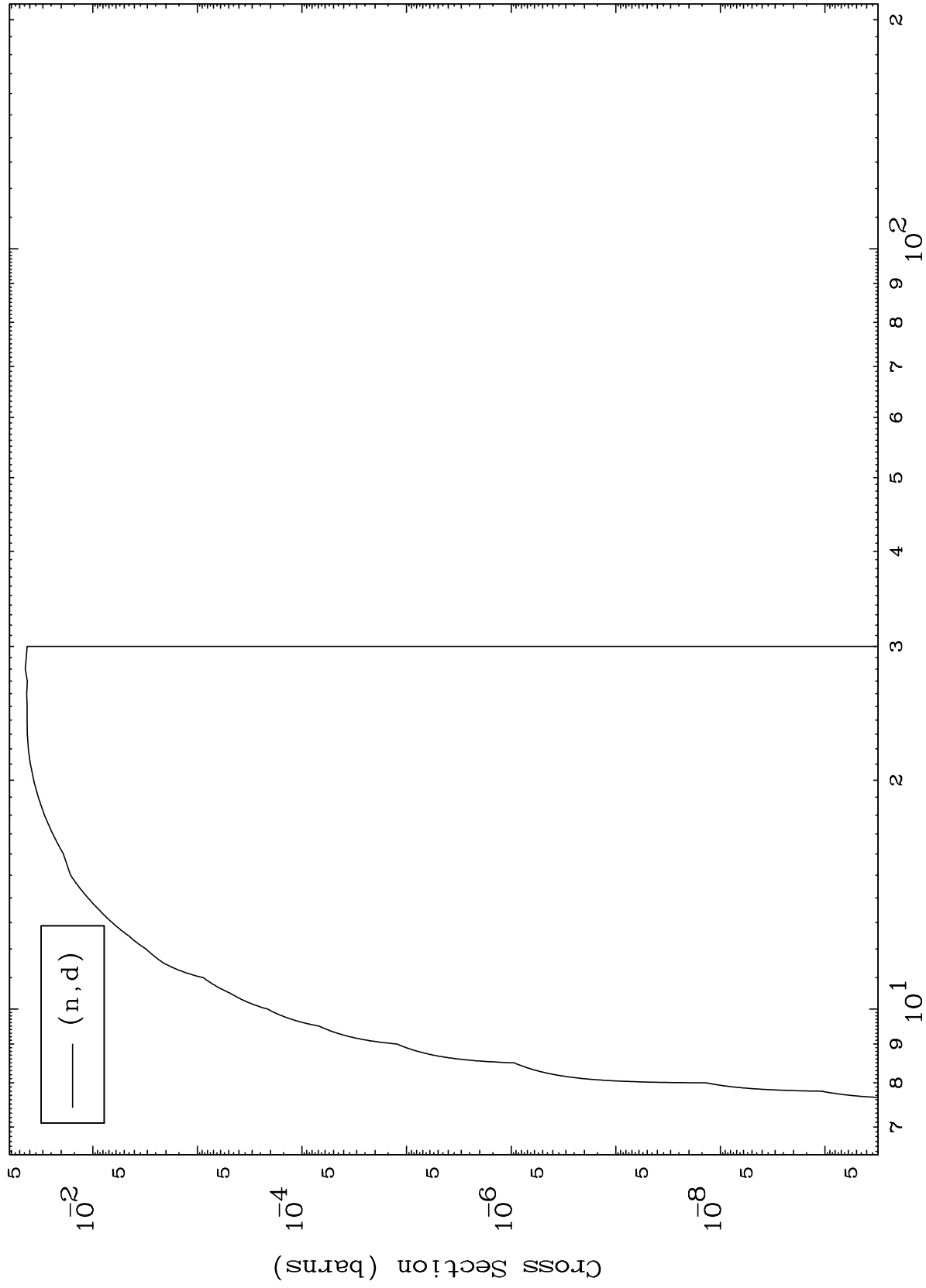
Incident Energy (MeV)

26-Fe-54

MAT 2625

(n,d) Levels  
293 Kelvin Cross Sections

<sup>26</sup>Fe-54



11

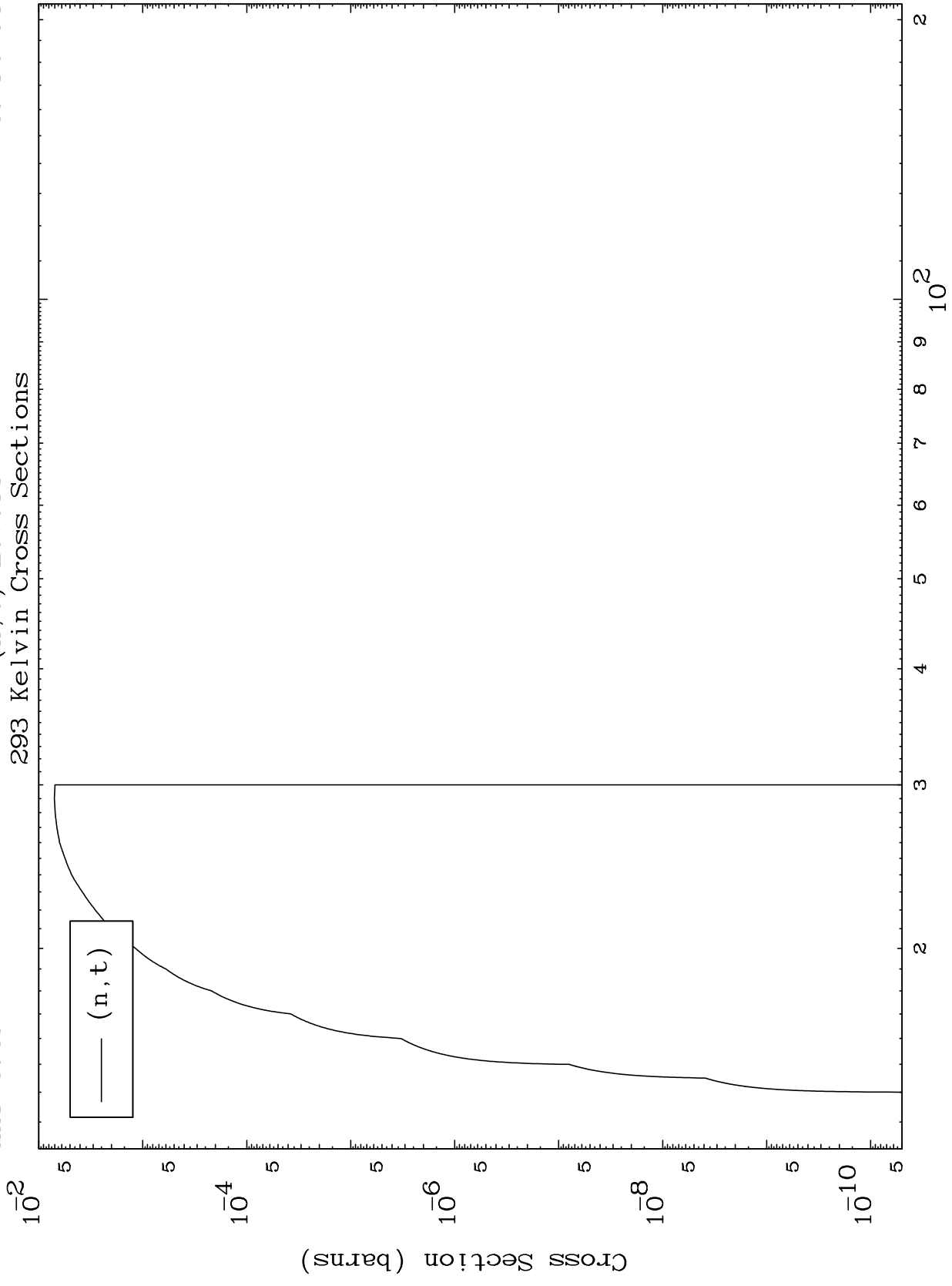
Incident Energy (MeV)

<sup>26</sup>Fe-54

MAT 2625

(n,t) Levels  
293 Kelvin Cross Sections

<sup>26</sup>Fe-54



12

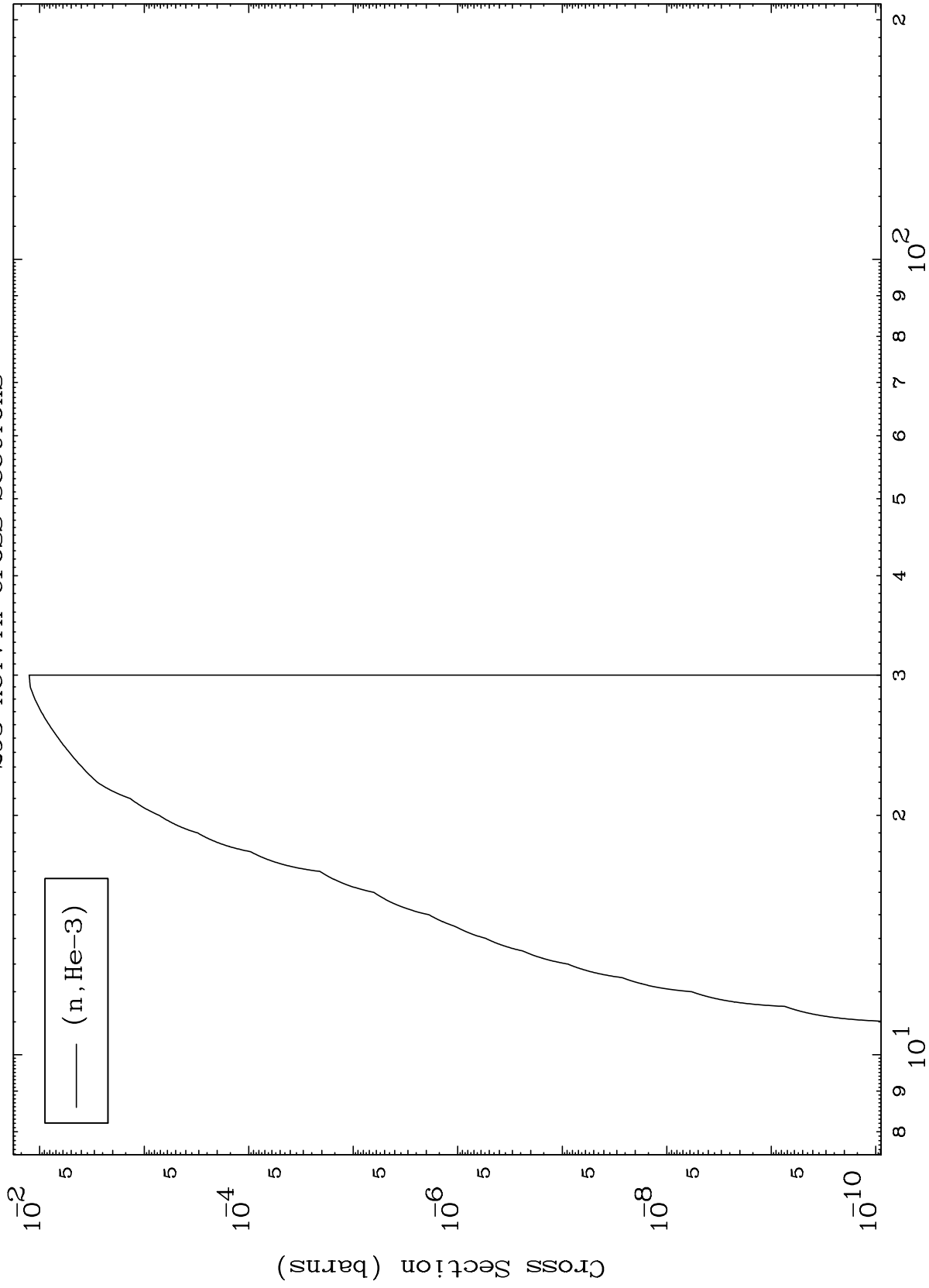
Incident Energy (MeV)

<sup>26</sup>Fe-54

MAT 2625

(n,He3) Levels  
293 Kelvin Cross Sections

26-Fe-54



13

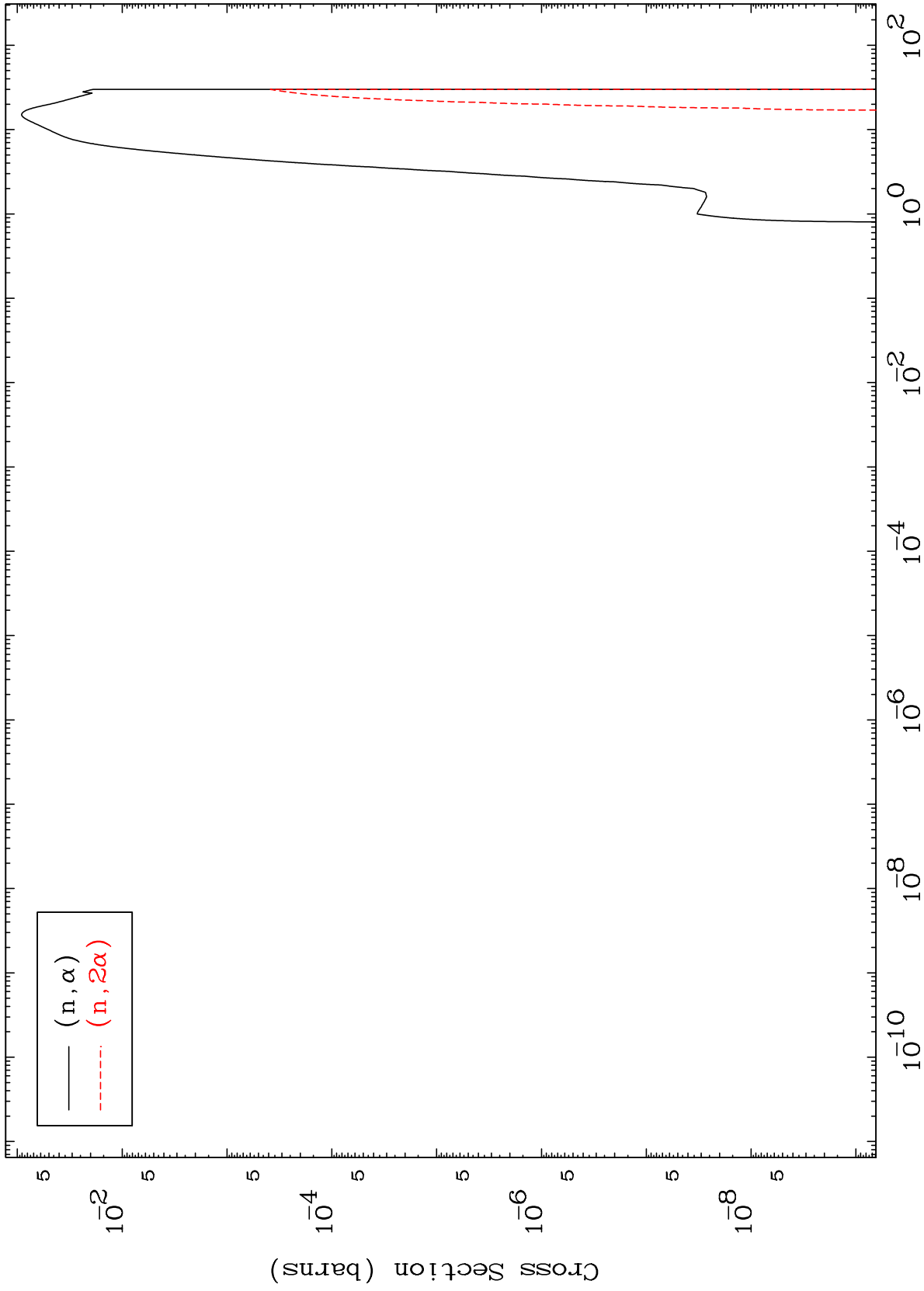
Incident Energy (MeV)

26-Fe-54

MAT 2625

(n,α) Levels  
293 Kelvin Cross Sections

26-Fe-54



14

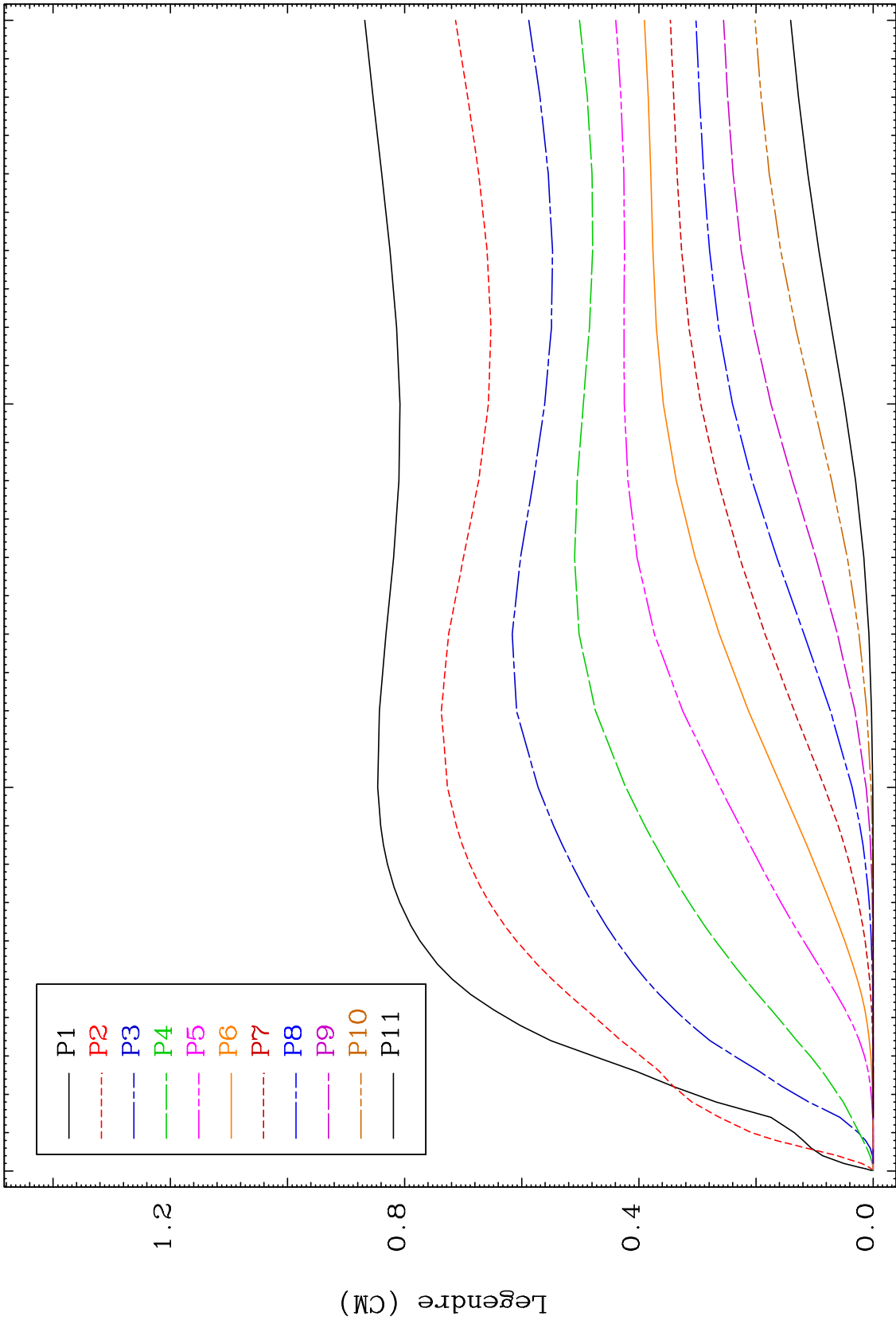
Incident Energy (MeV)

26-Fe-54

MAT 2625

Elastic Legendre Coefficients

<sup>26</sup>Fe-54



0

15

10

20

30

Incident Energy (MeV)

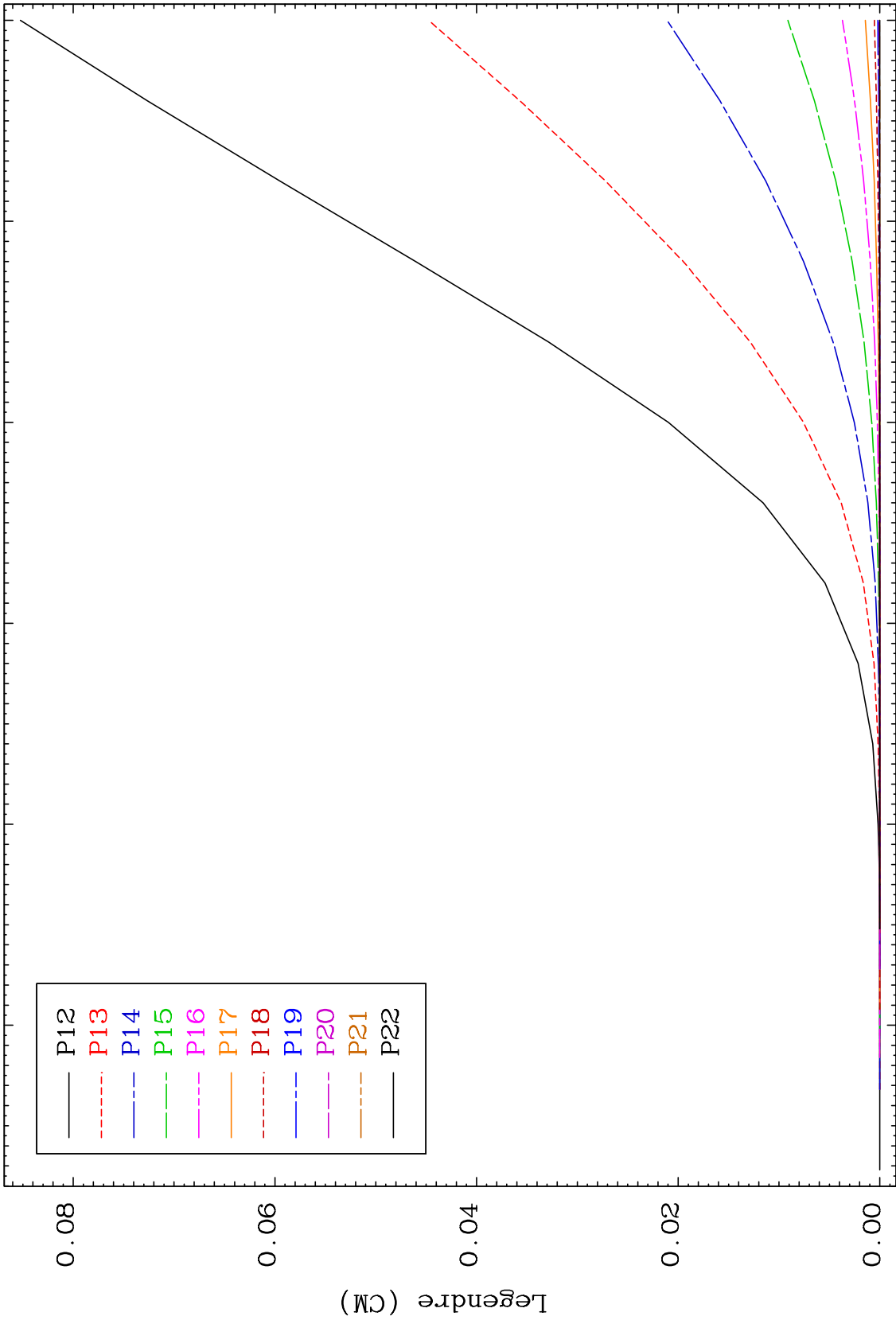
<sup>26</sup>Fe-54



MAT 2625

Elastic Legendre Coefficients

<sup>26</sup>Fe-54

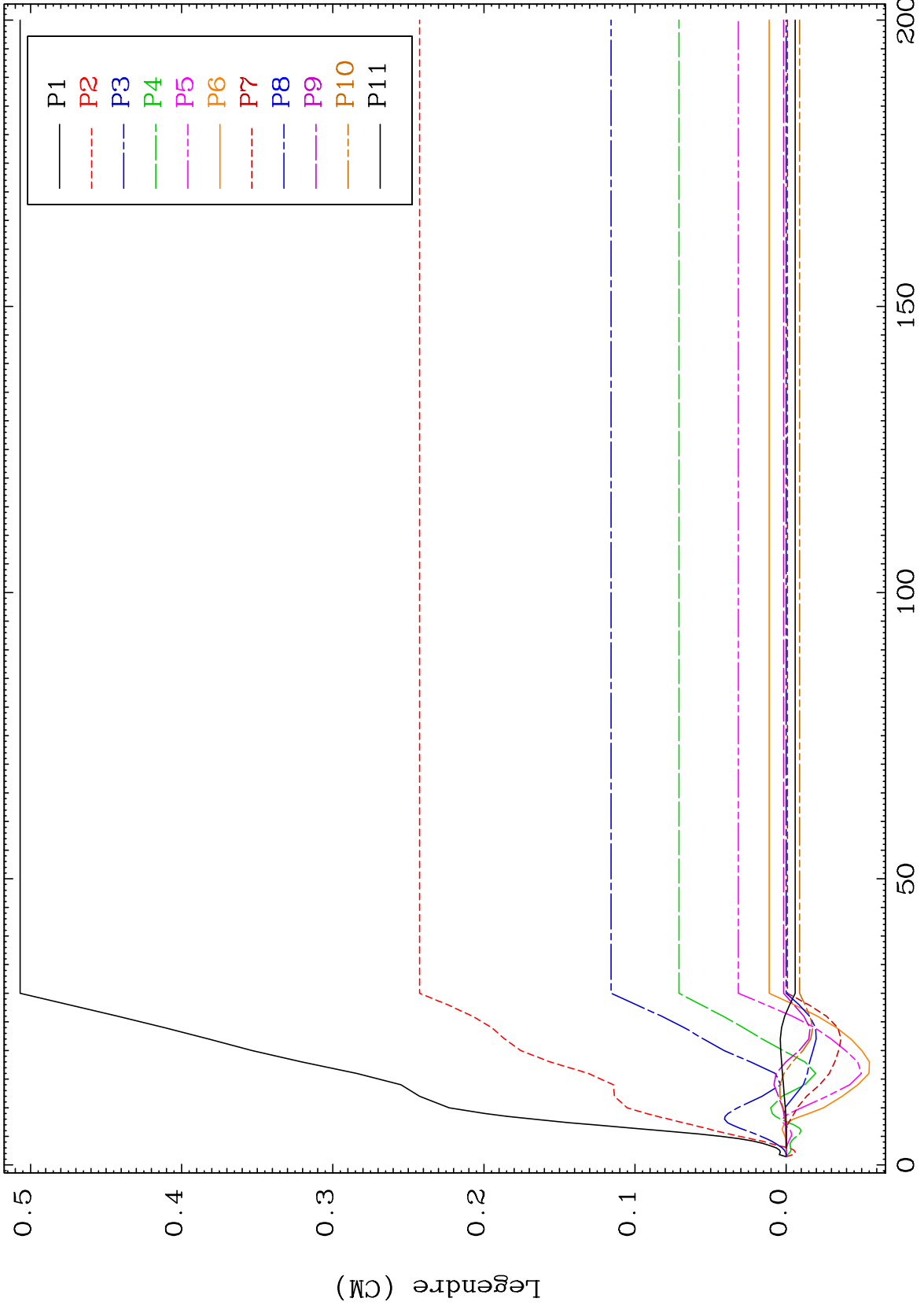


16

<sup>26</sup>Fe-54



MAT 2625 MT= 51 (n,n') Level Legendre Coefficients 26-Fe-54

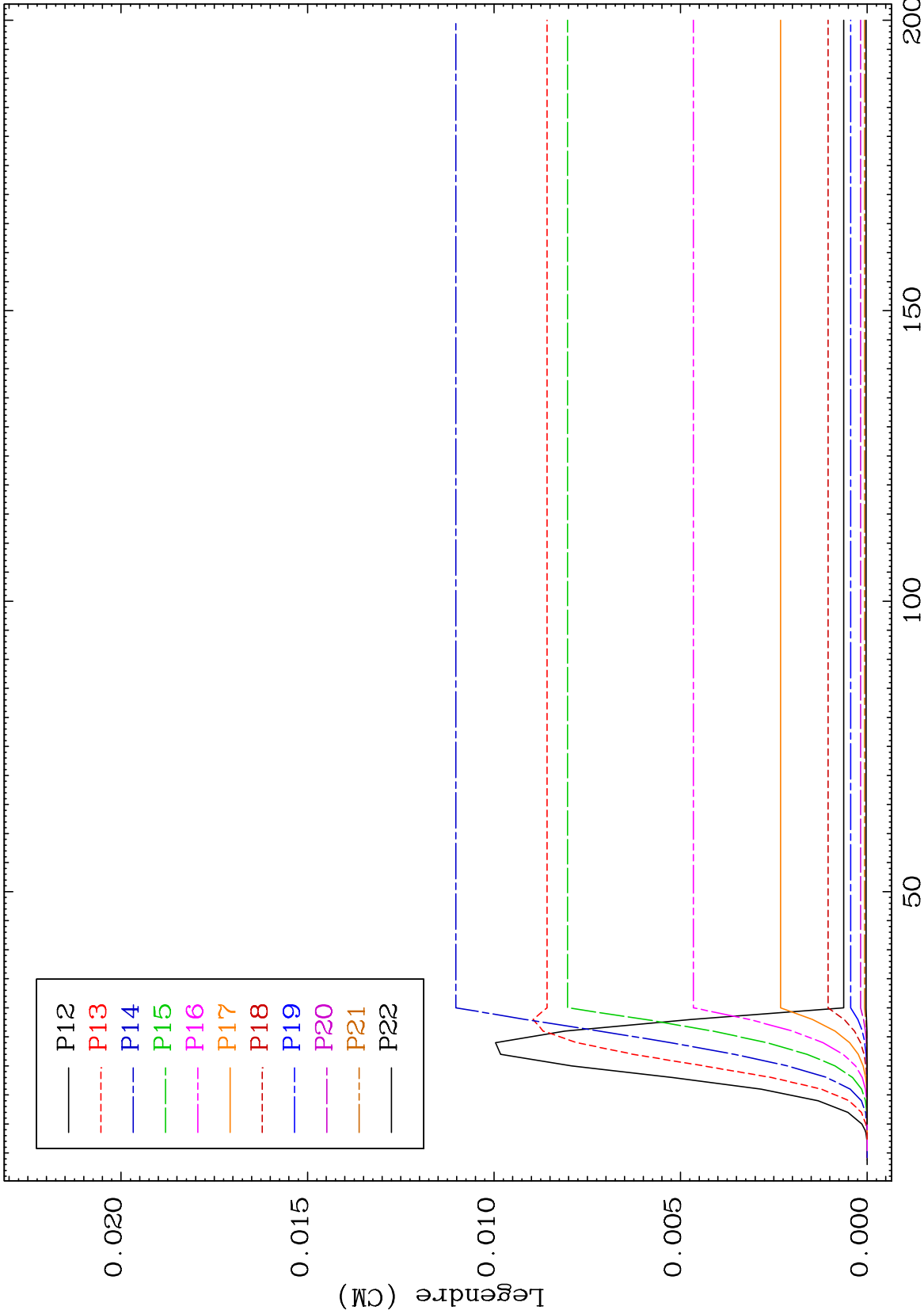


18 200 150 100 50 26-Fe-54

MAT 2625

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

<sup>26</sup>Fe-54



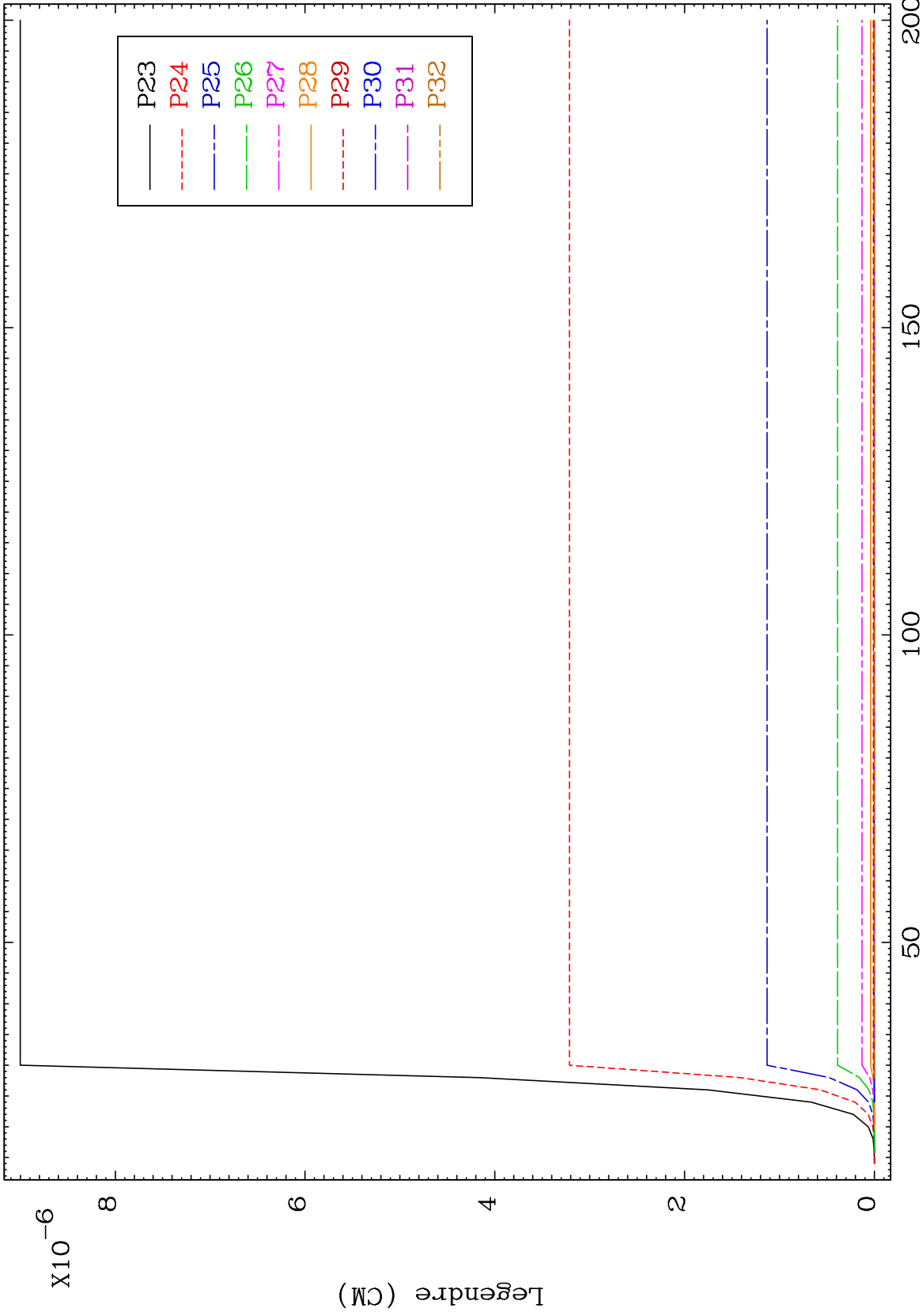
19

<sup>26</sup>Fe-54

MAT 2625

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

26-Fe-54



26-Fe-54

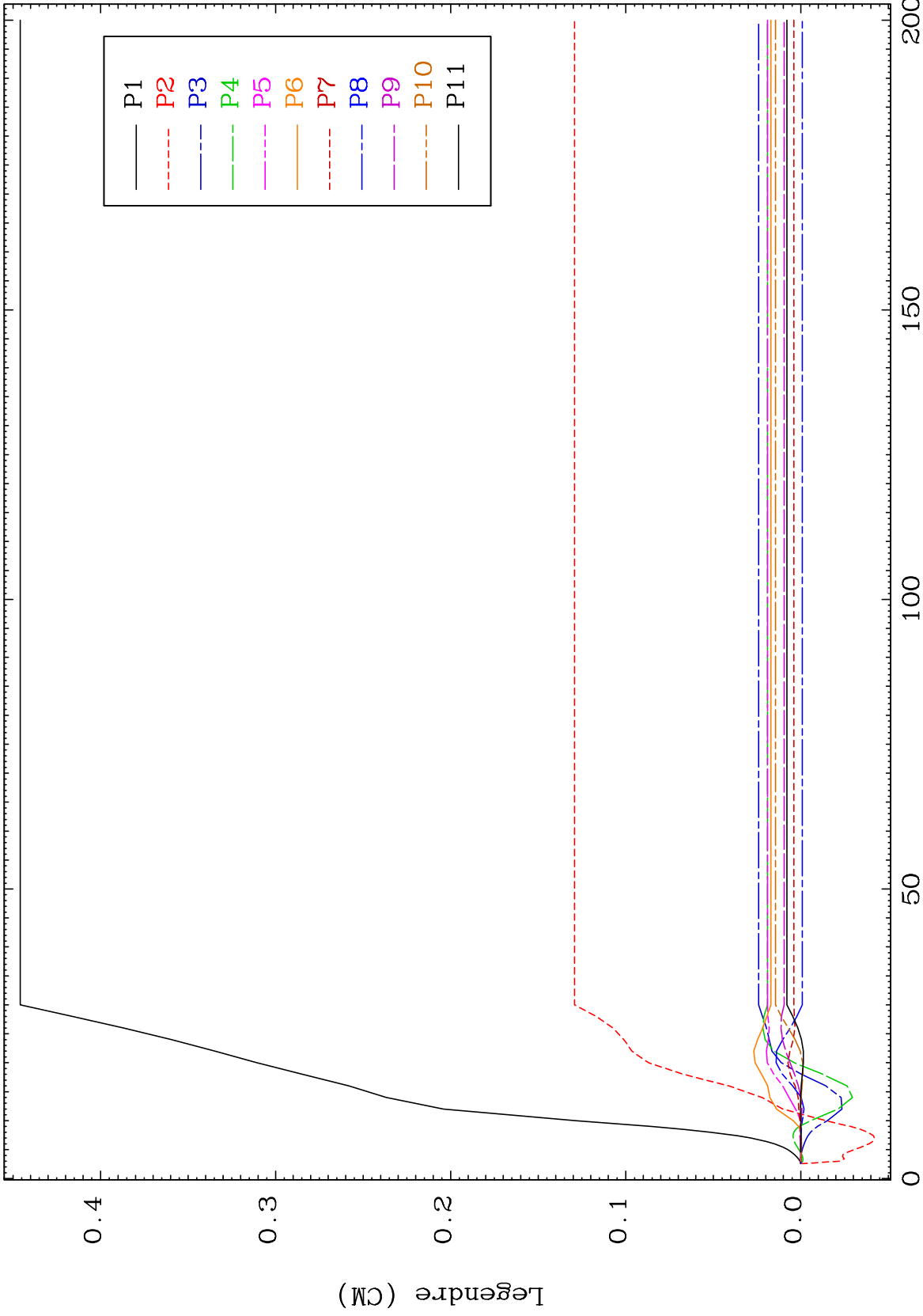
Incident Energy (MeV)

20

MAT 2625

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

26-Fe-54



21

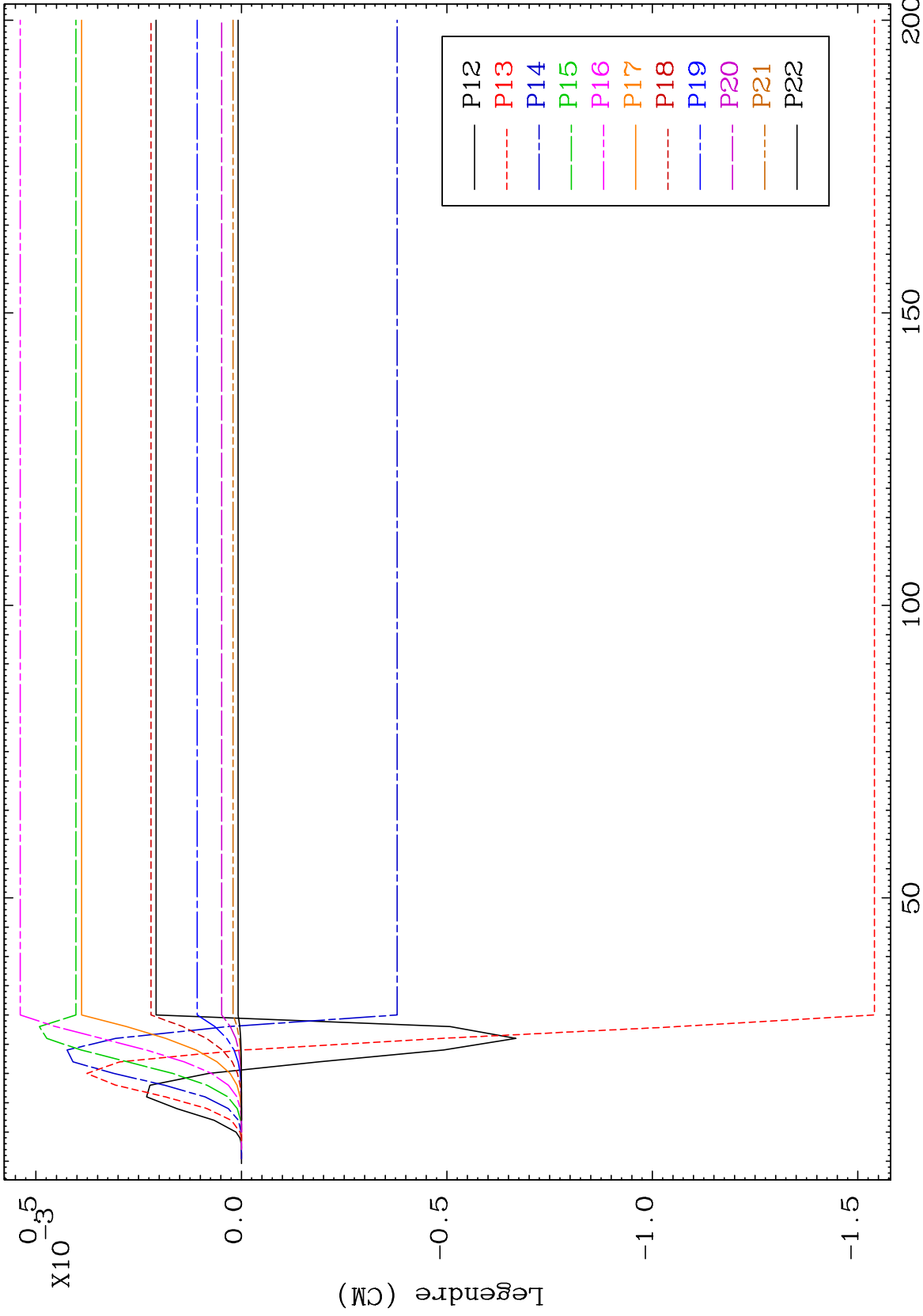
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54



22

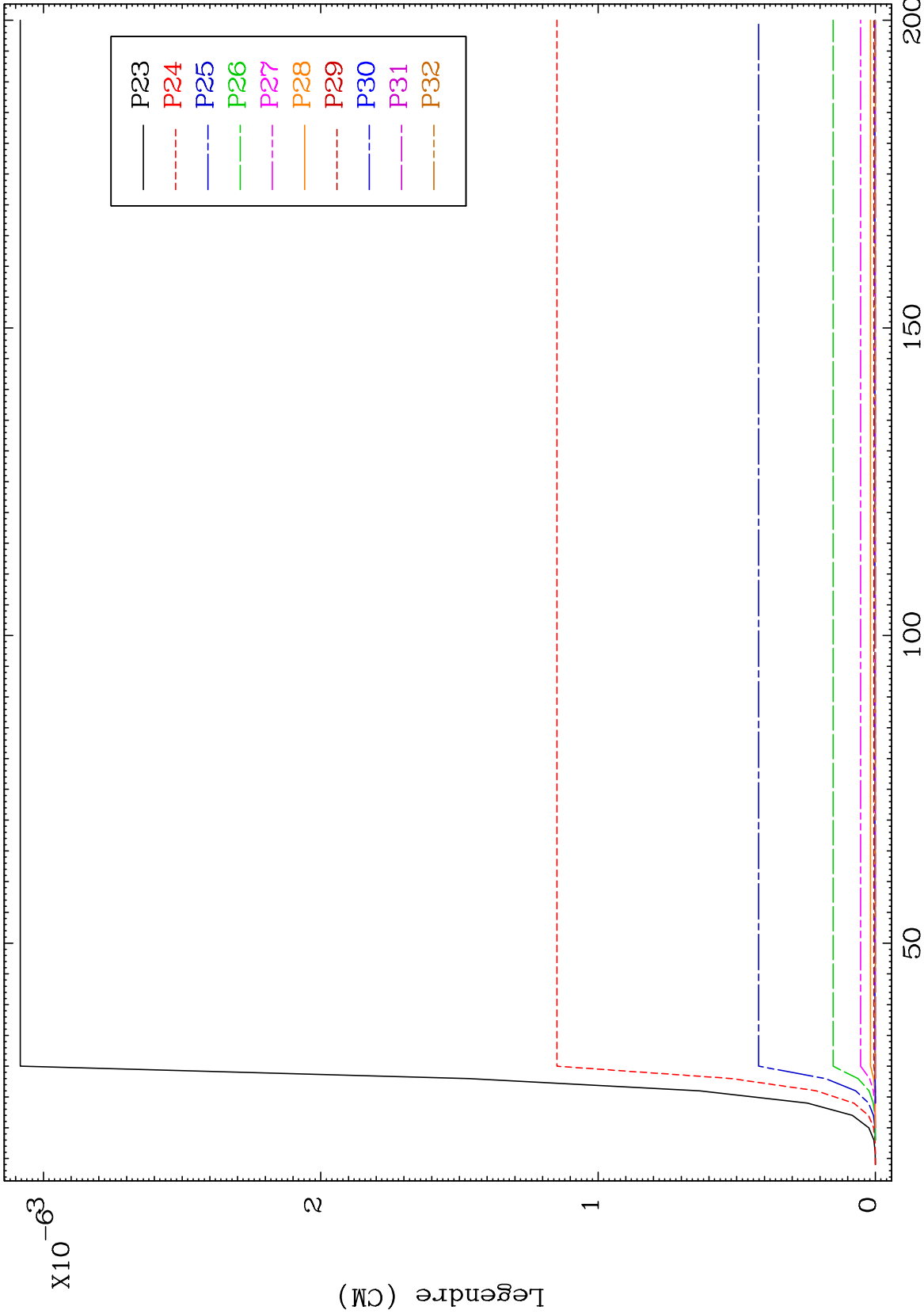
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54



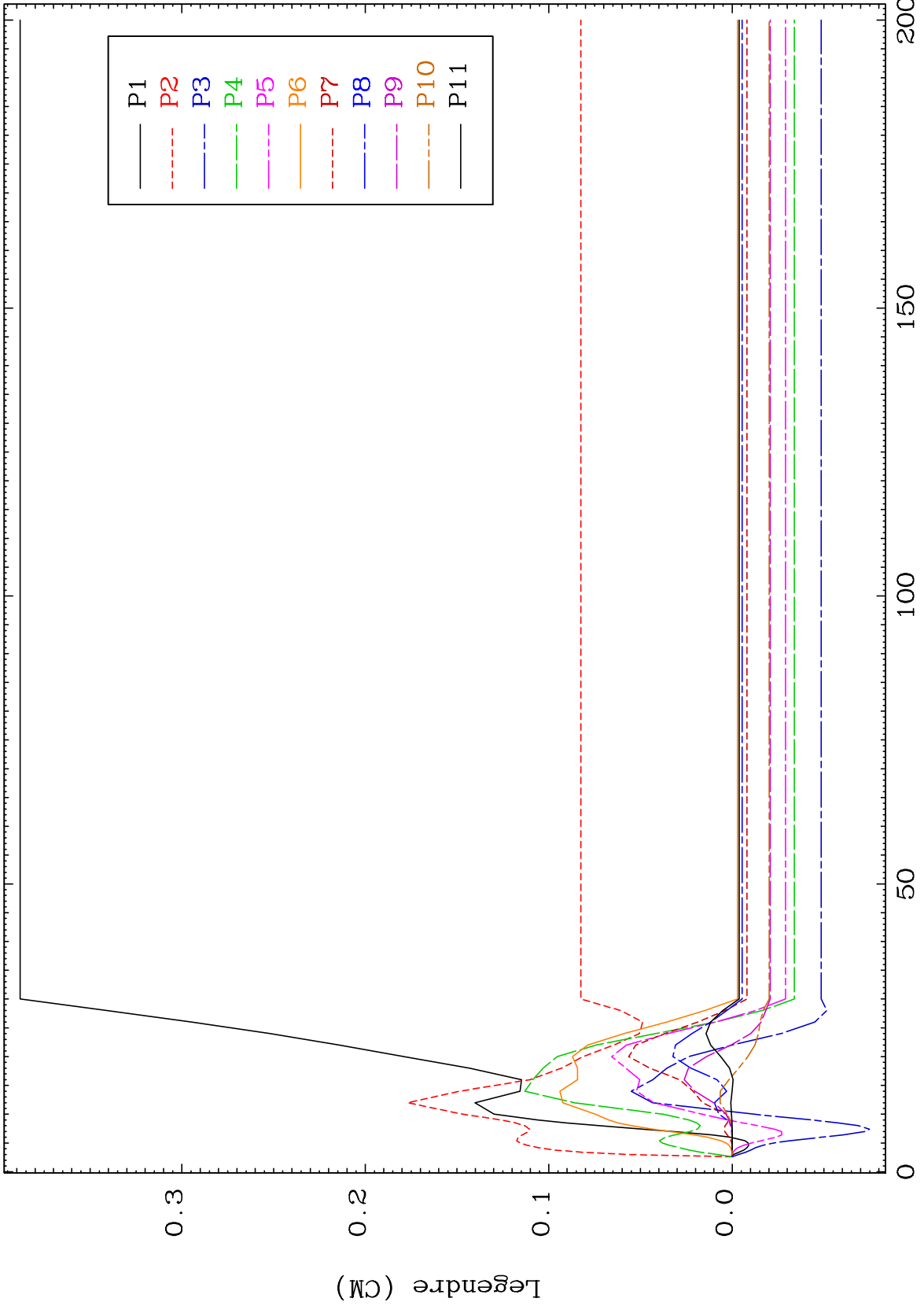
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Incident Energy (MeV)

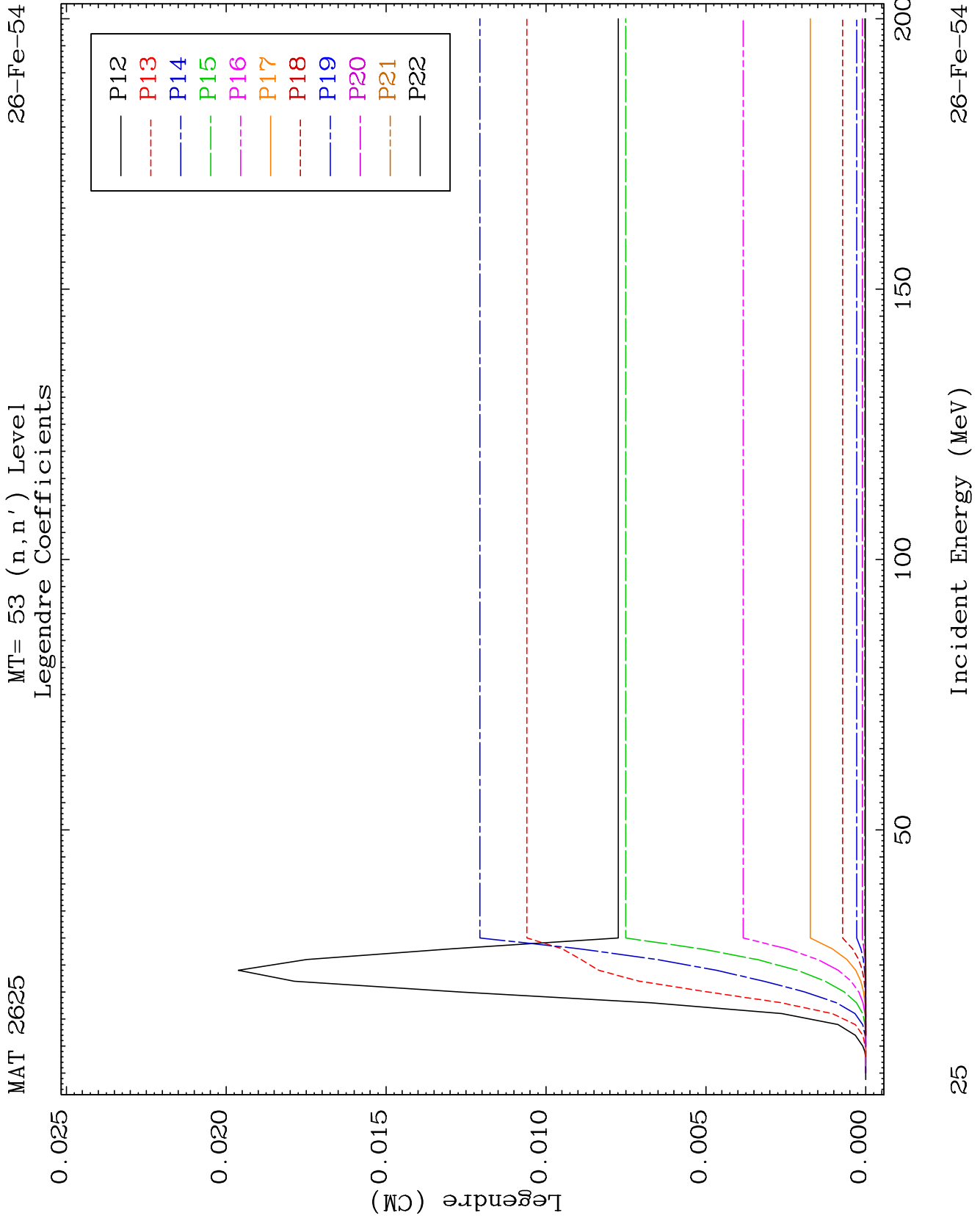
26-Fe-54



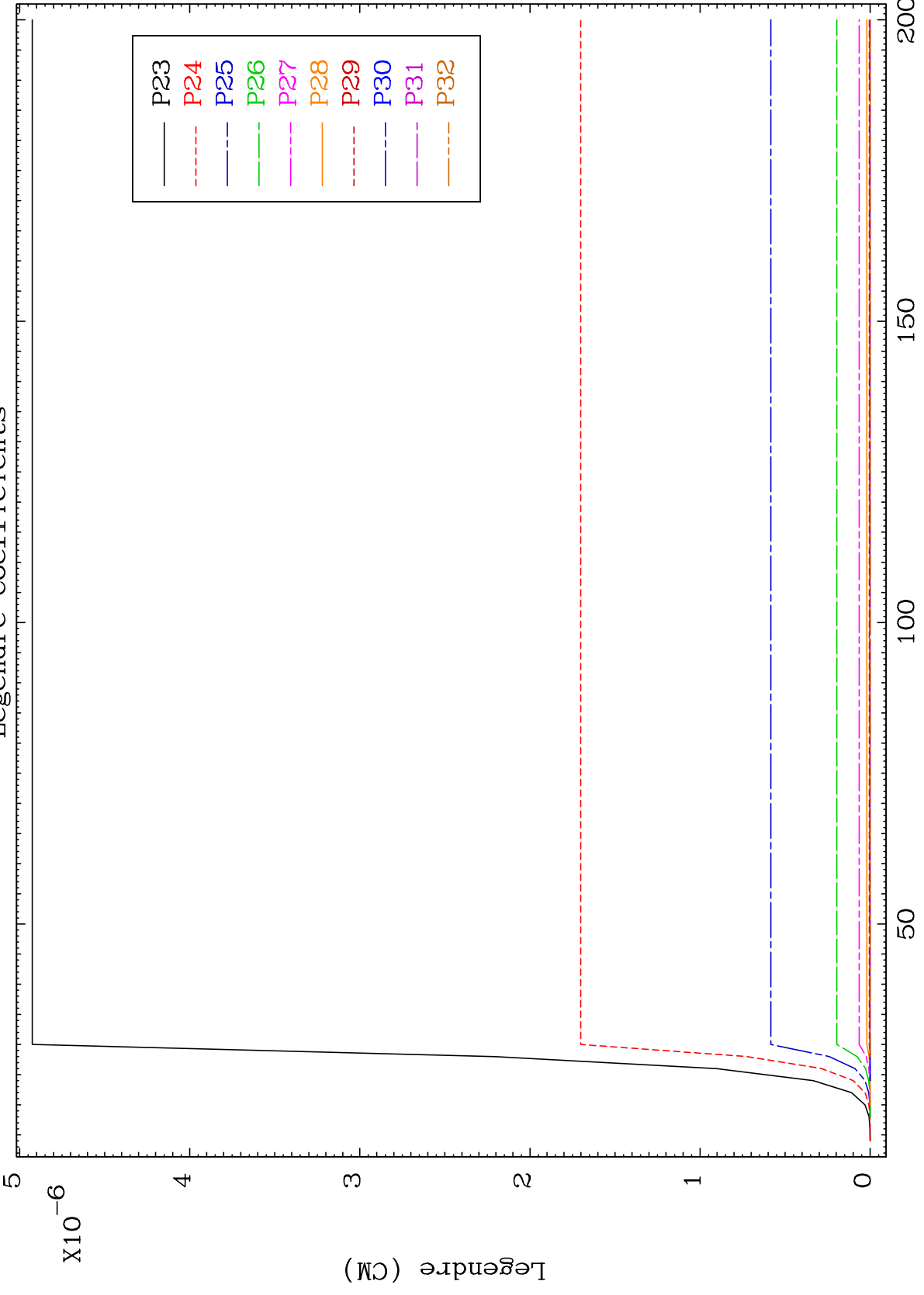
MAT 2625 MT= 53 (n,n') Level Legendre Coefficients 26-Fe-54



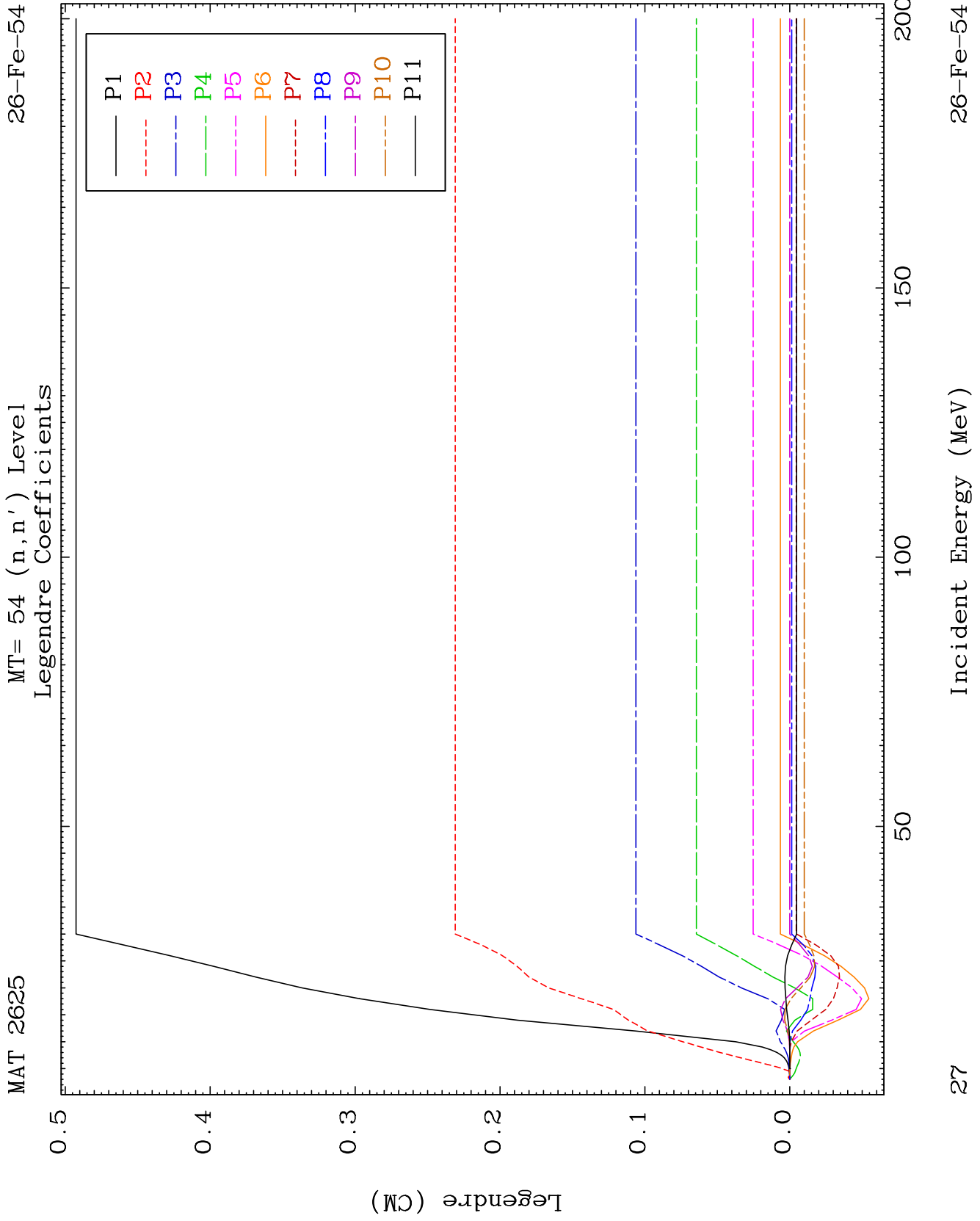
24 Incident Energy (MeV) 26-Fe-54



MAT 2625 MT= 53 (n,n') Level Legendre Coefficients 26-Fe-54



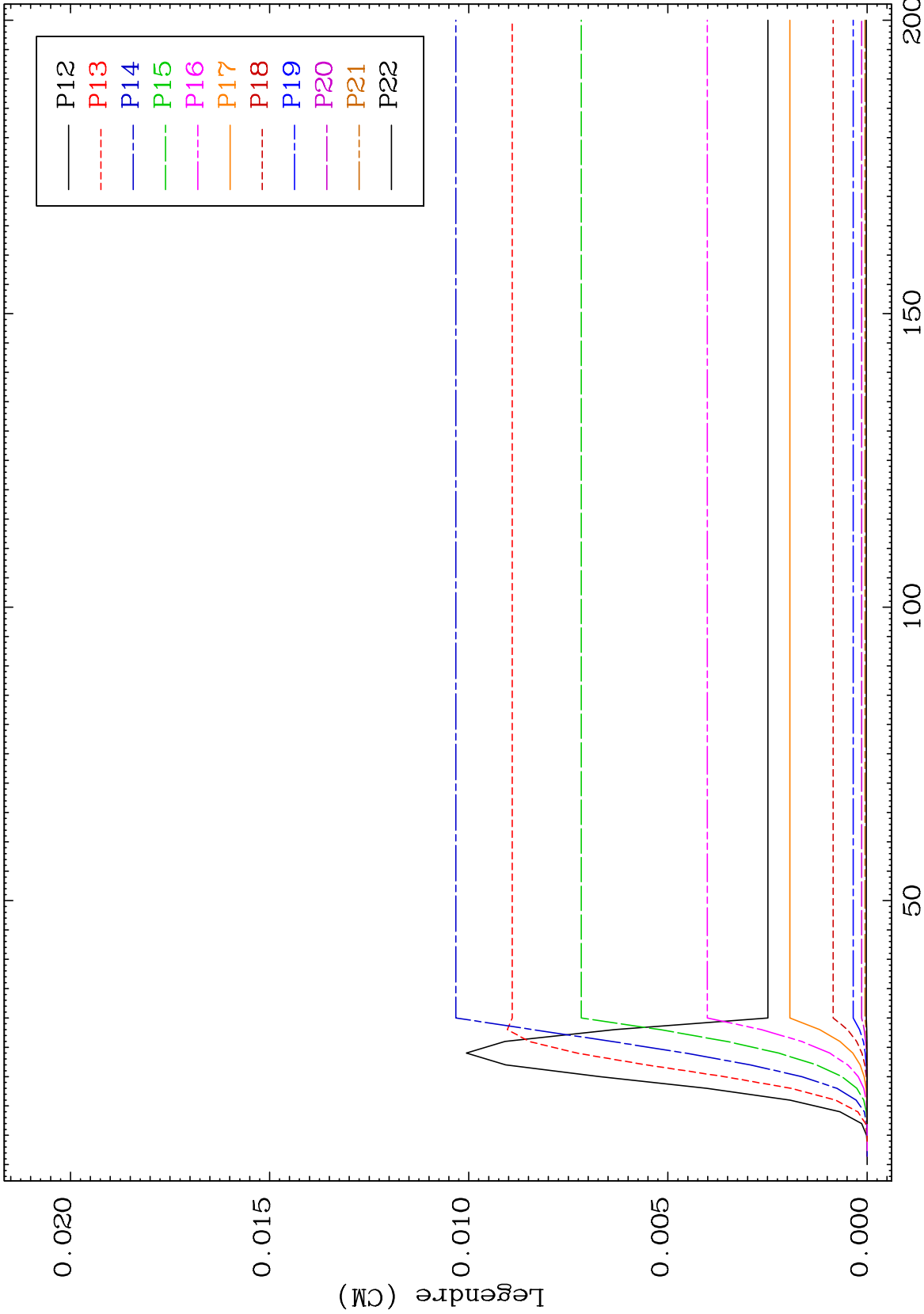
26 50 100 150 200 26-Fe-54



MAT 2625

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

26-Fe-54



28

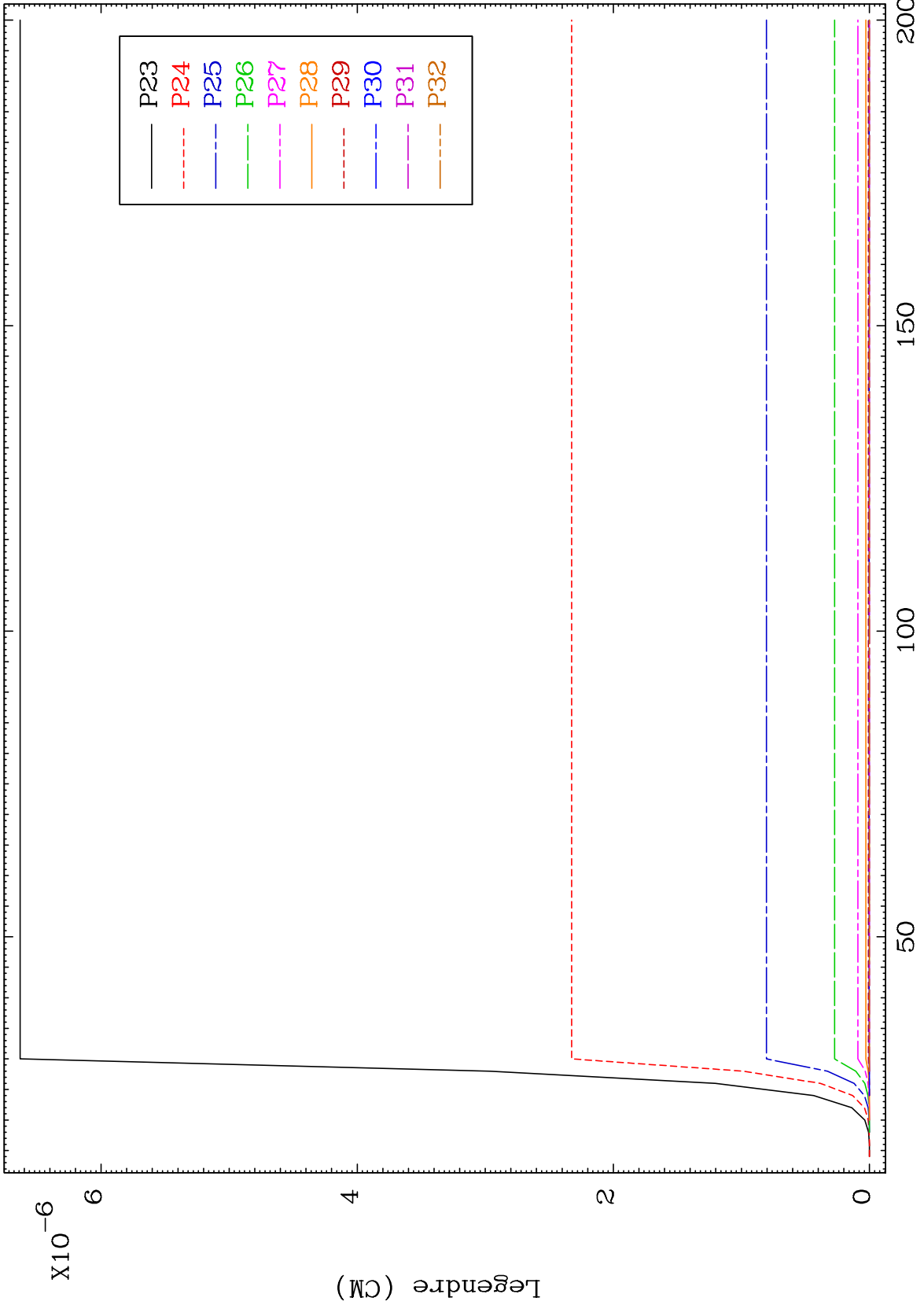
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54



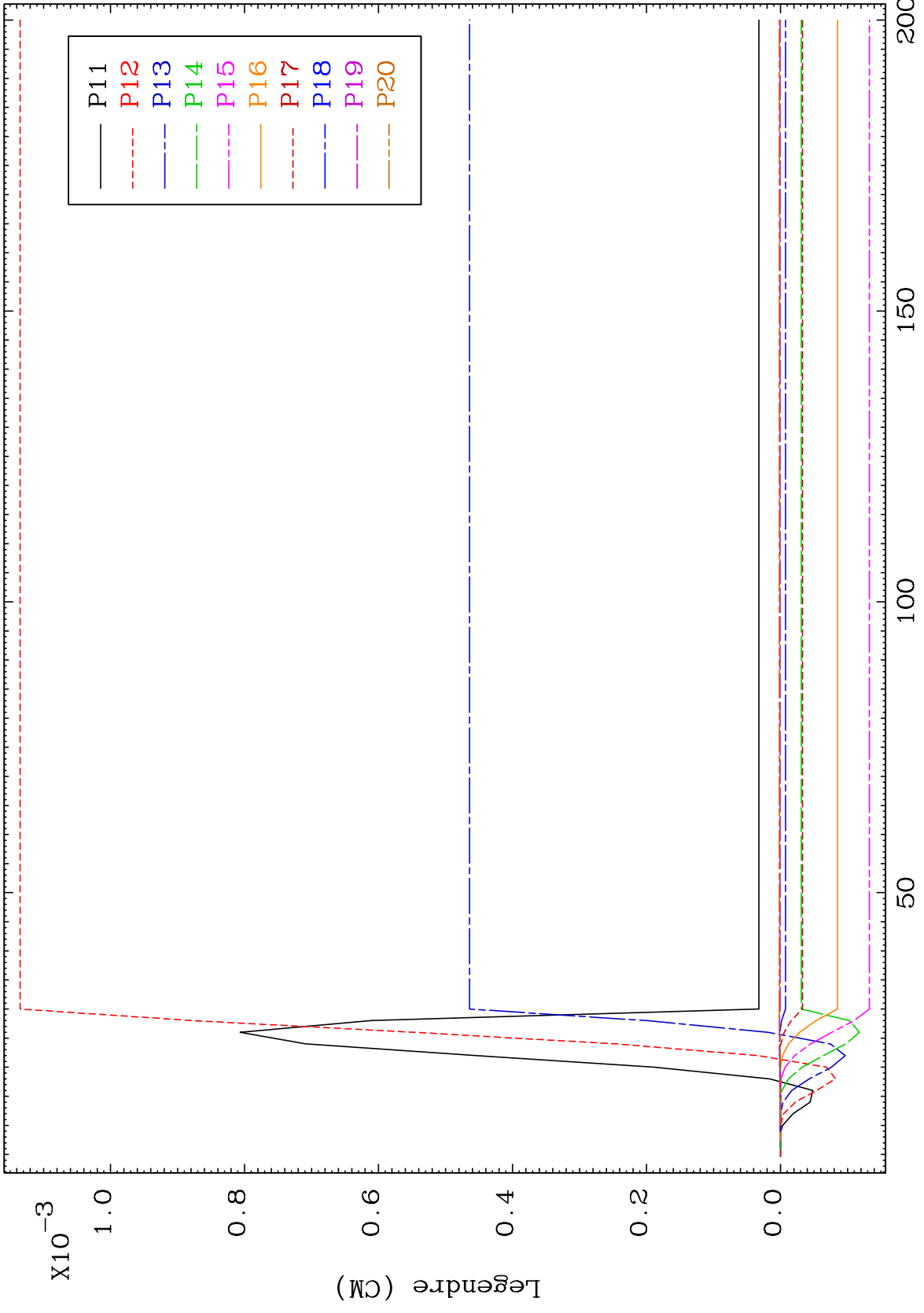
29

Incident Energy (MeV)

26-Fe-54

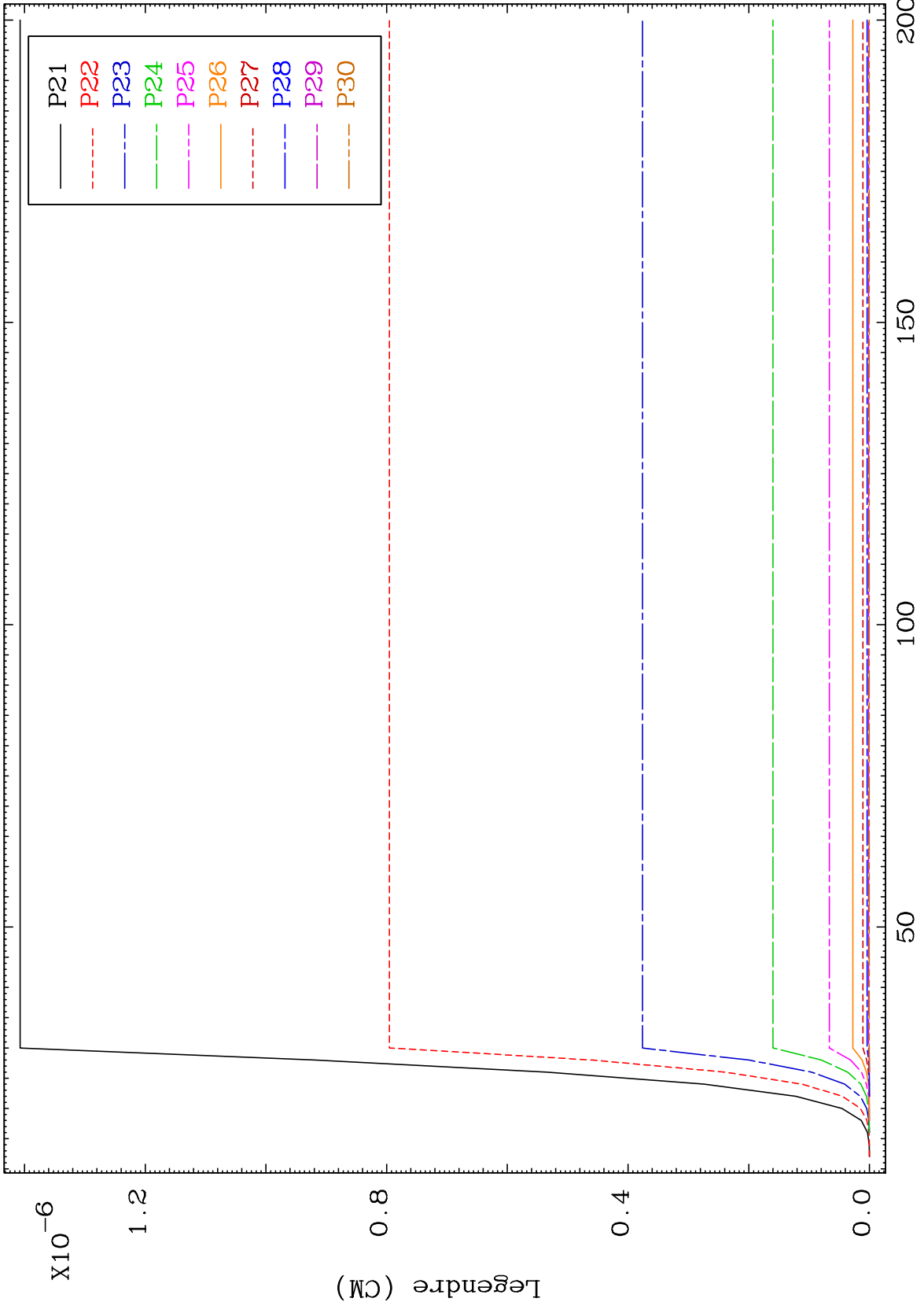


MAT 2625 MT= 55 (n,n') Level Legendre Coefficients 26-Fe-54

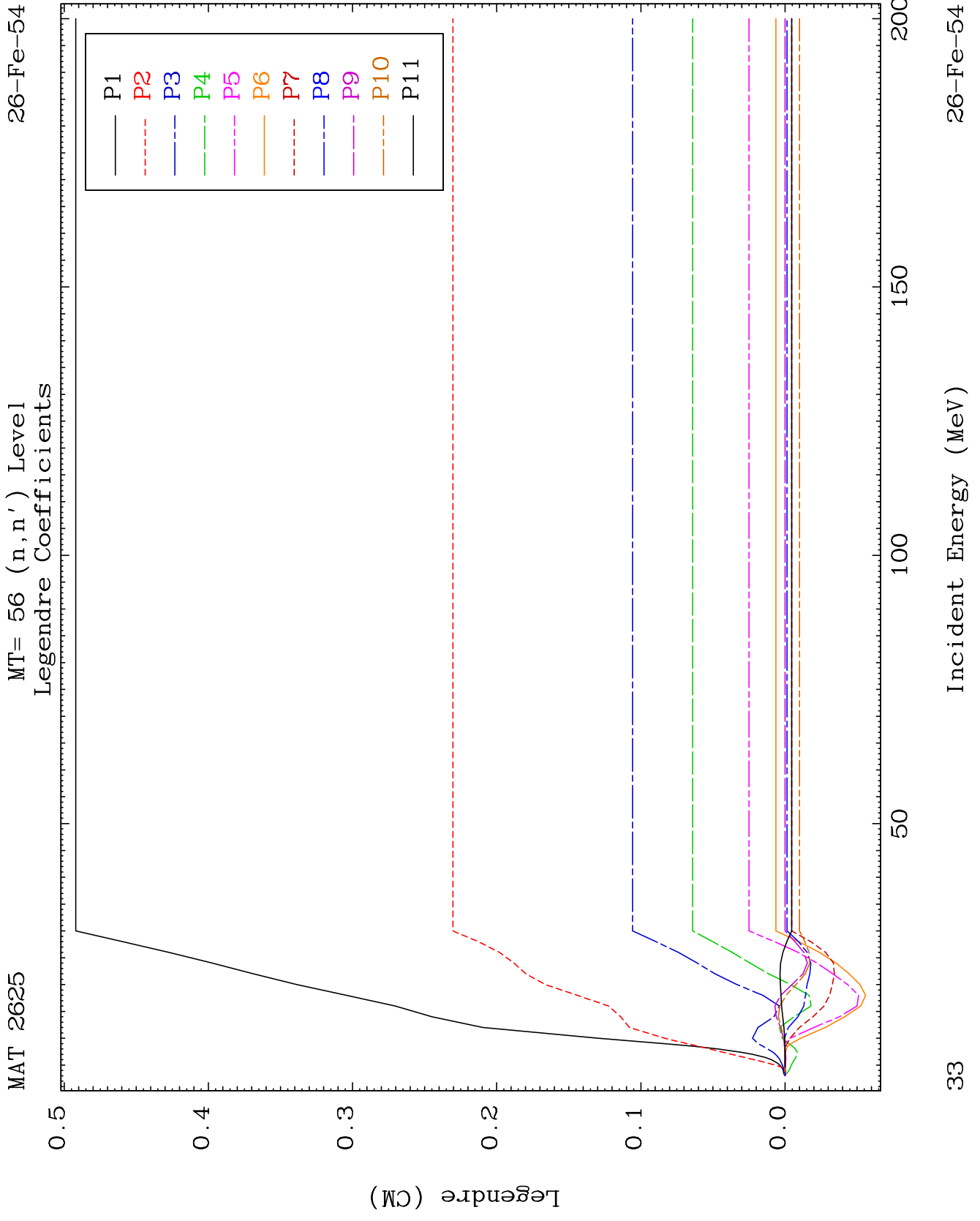




MAT 2625 MT= 55 (n,n') Level Legendre Coefficients 26-Fe-54



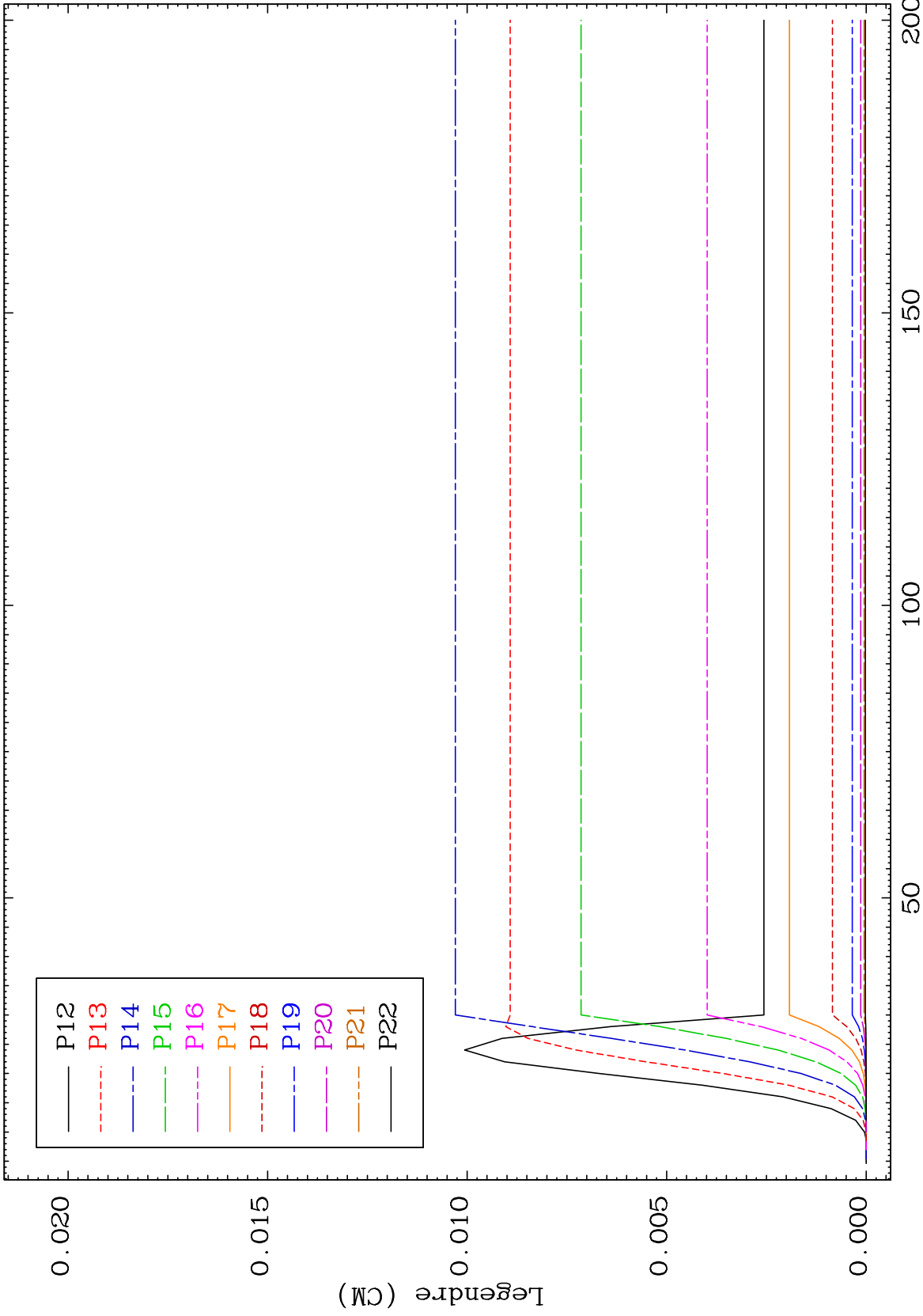
32 Incident Energy (MeV) 26-Fe-54



MAT 2625

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

<sup>26</sup>Fe-54

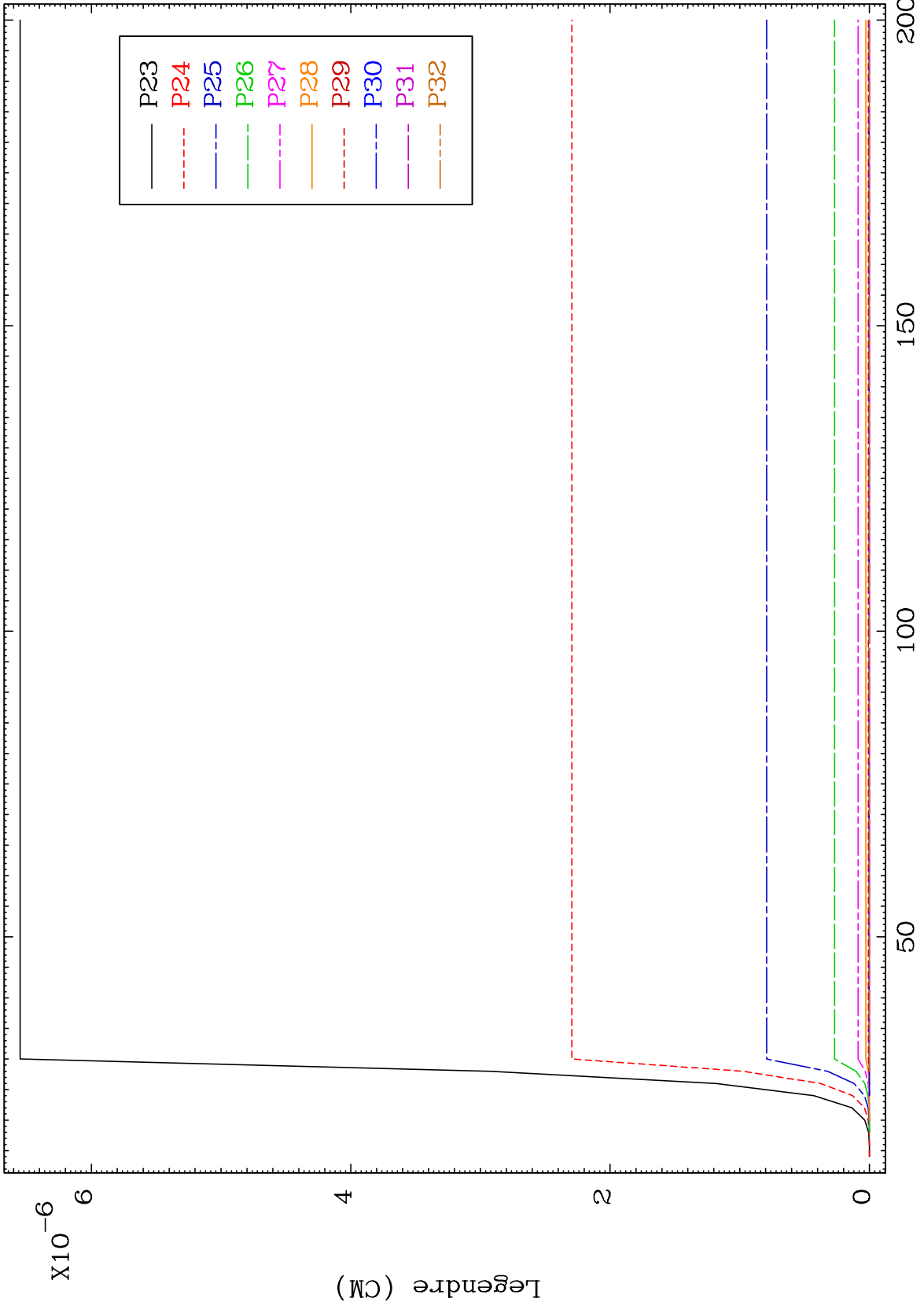


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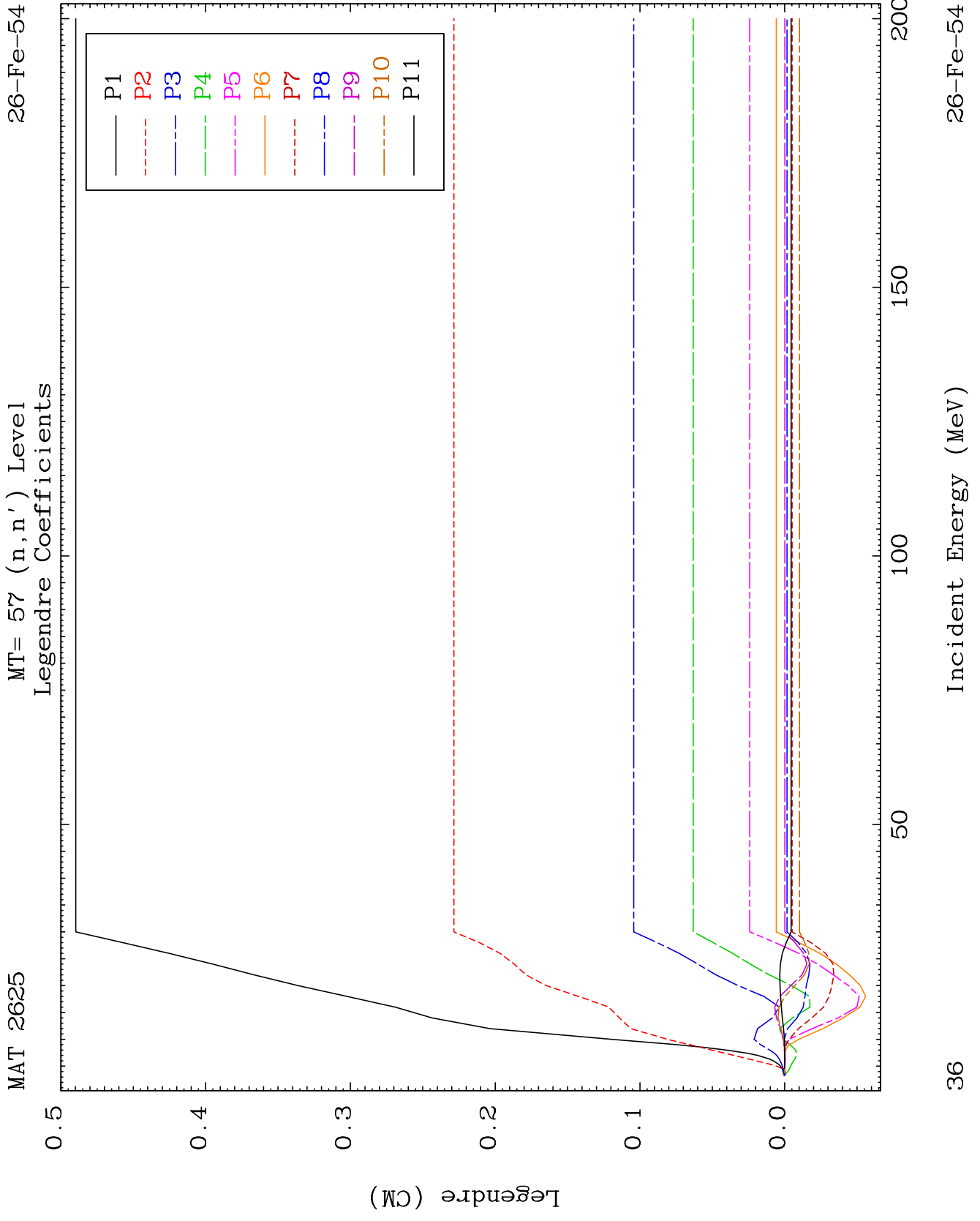
Incident Energy (MeV)

<sup>26</sup>Fe-54

MAT 2625 MT= 56 (n,n') Level Legendre Coefficients 26-Fe-54



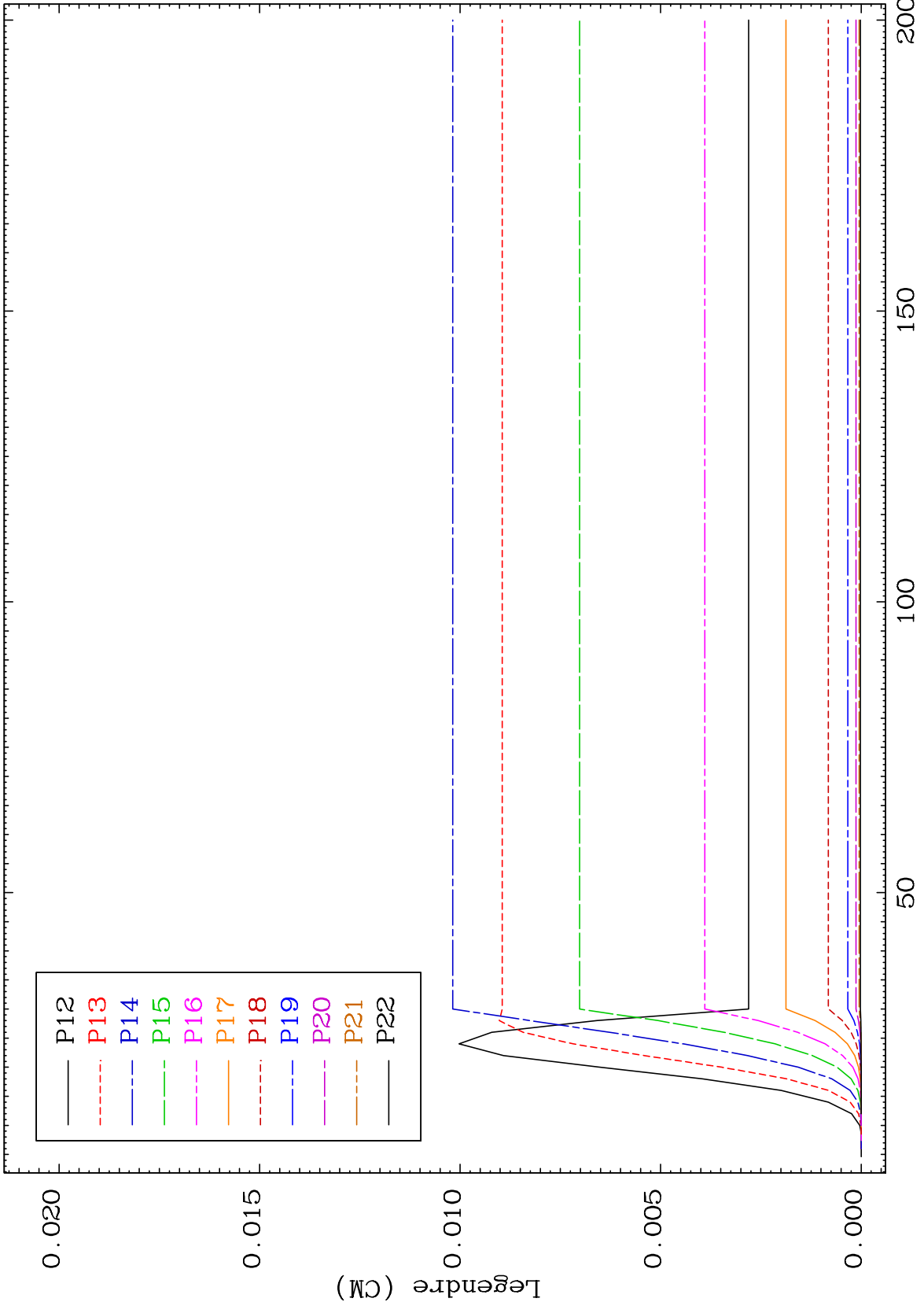
Legendre (CM)  $\times 10^{-6}$  Incident Energy (MeV) 26-Fe-54



MAT 2625

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

26-Fe-54



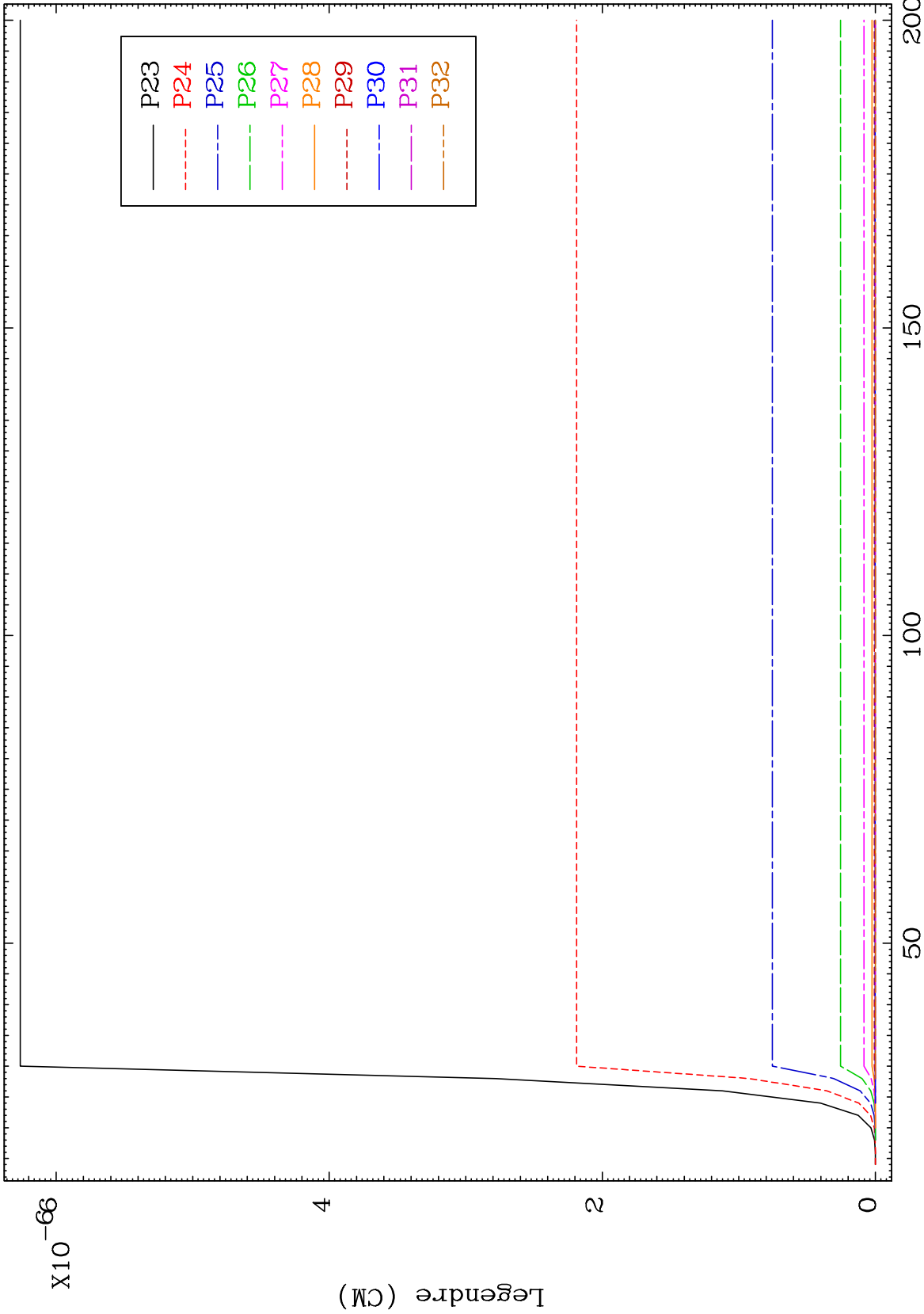
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26-Fe-54

MAT 2625

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

26-Fe-54



38

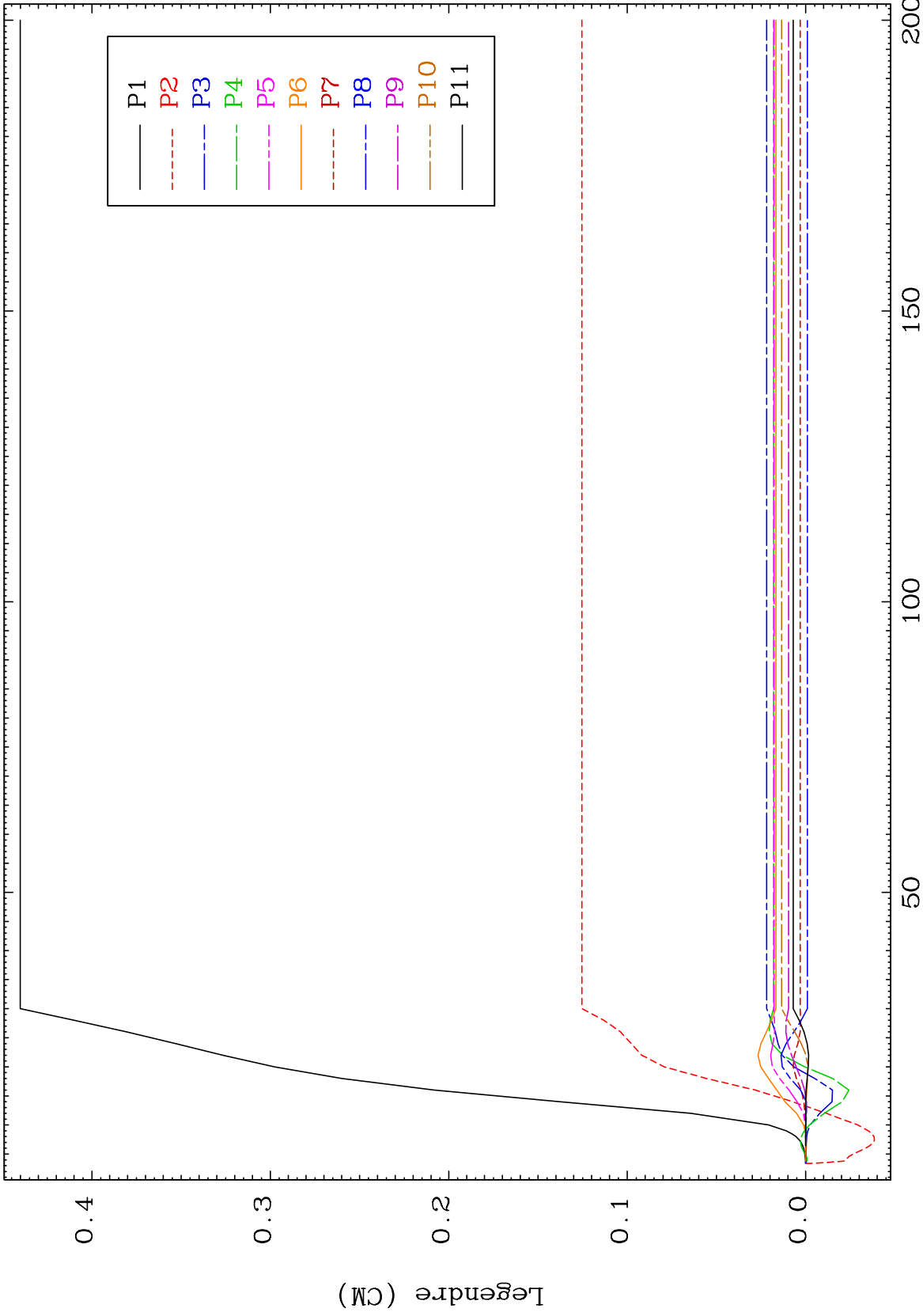
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54



39

Incident Energy (MeV)

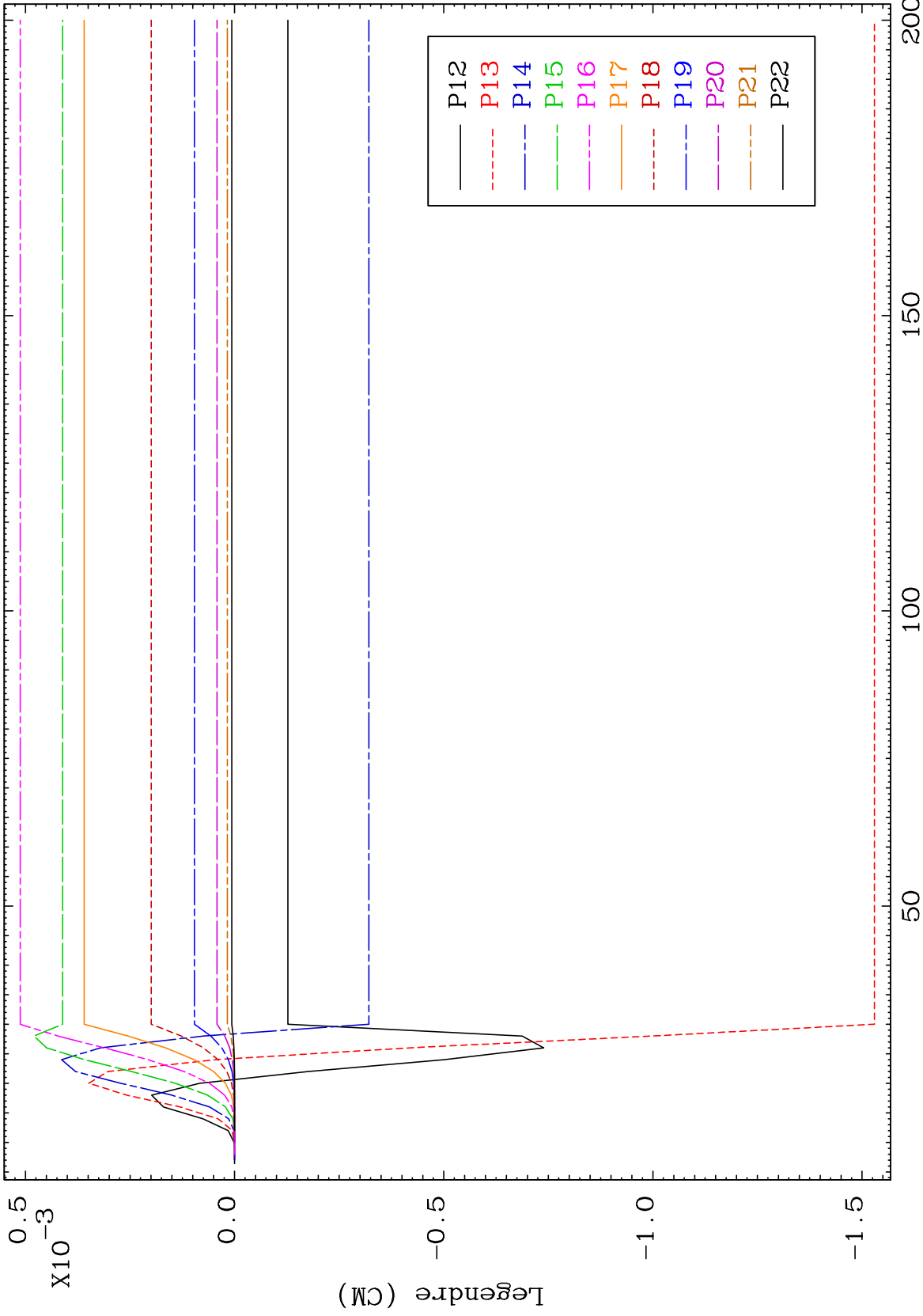
26-Fe-54



MAT 2625

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

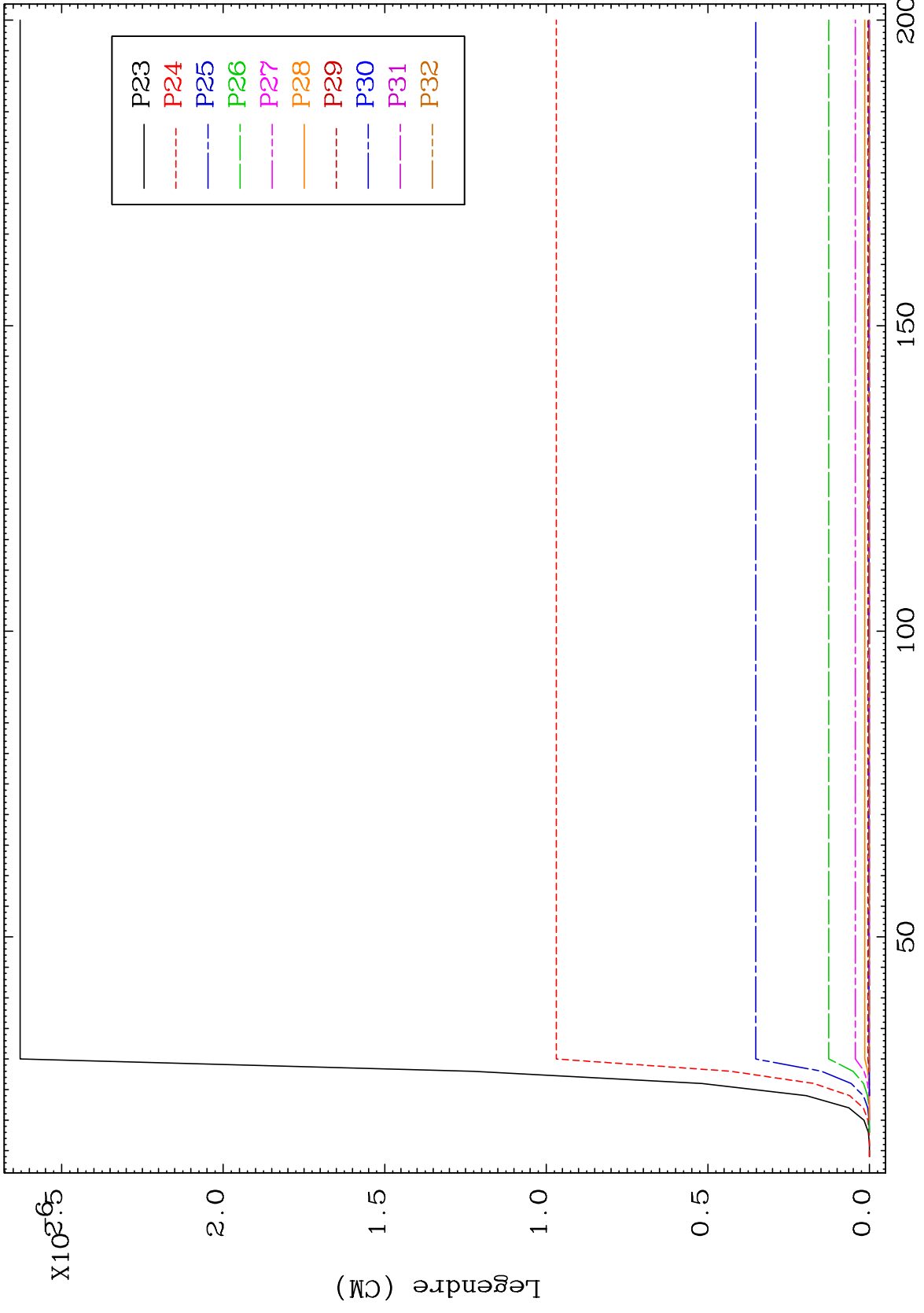
26-Fe-54



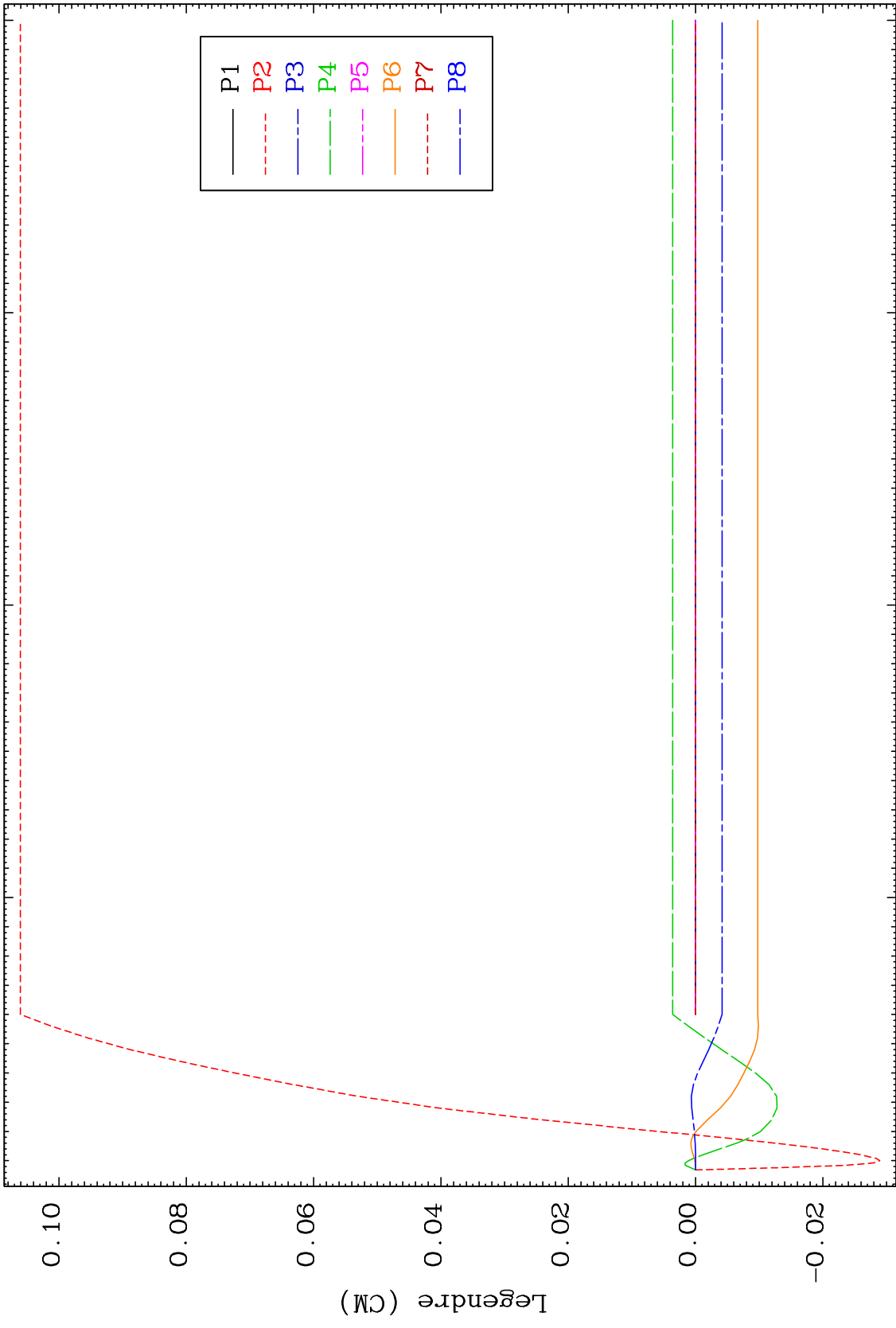
26-Fe-54

Incident Energy (MeV)

40

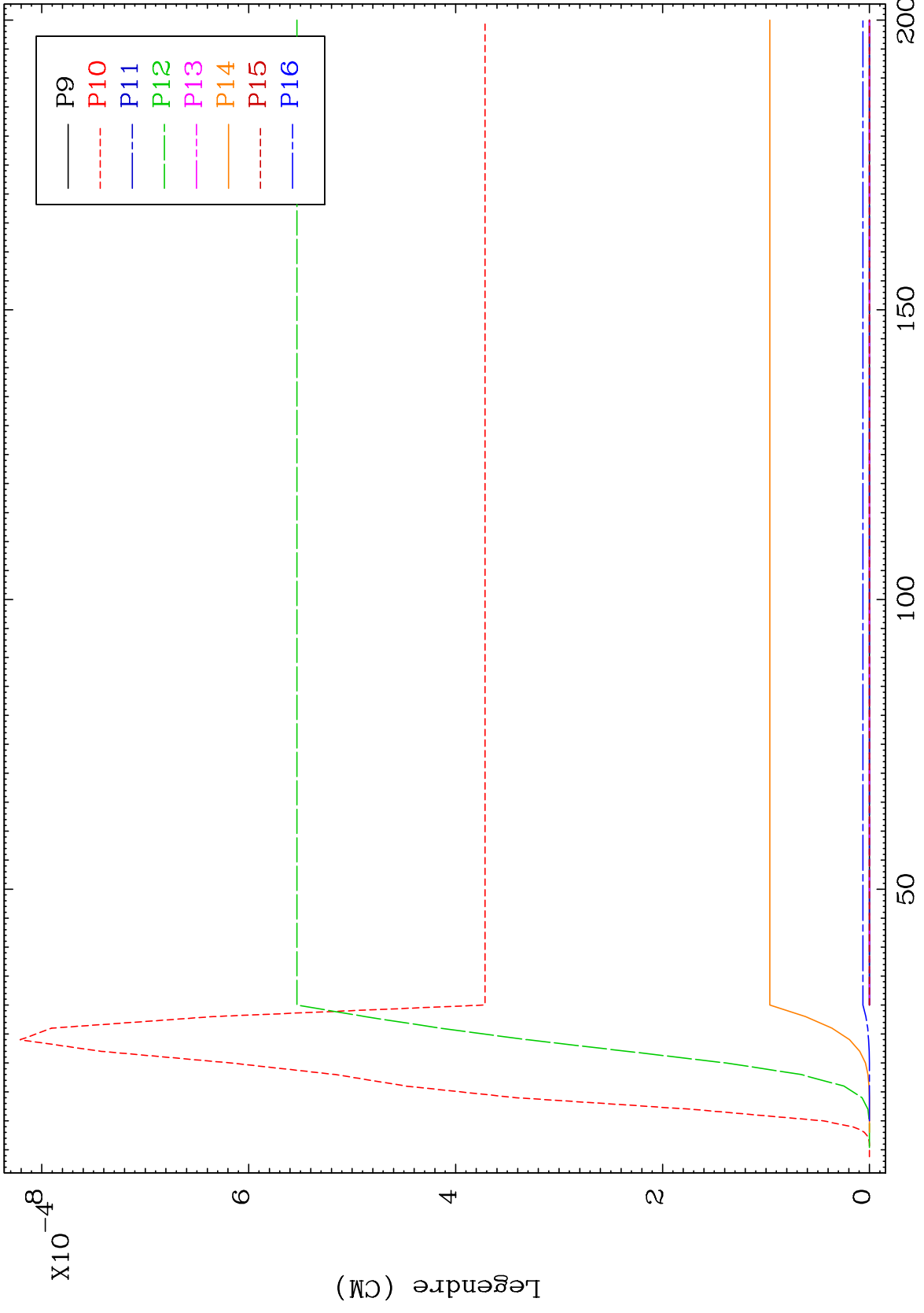


MAT 2625 MT= 59 (n,n') Level Legendre Coefficients 26-Fe-54



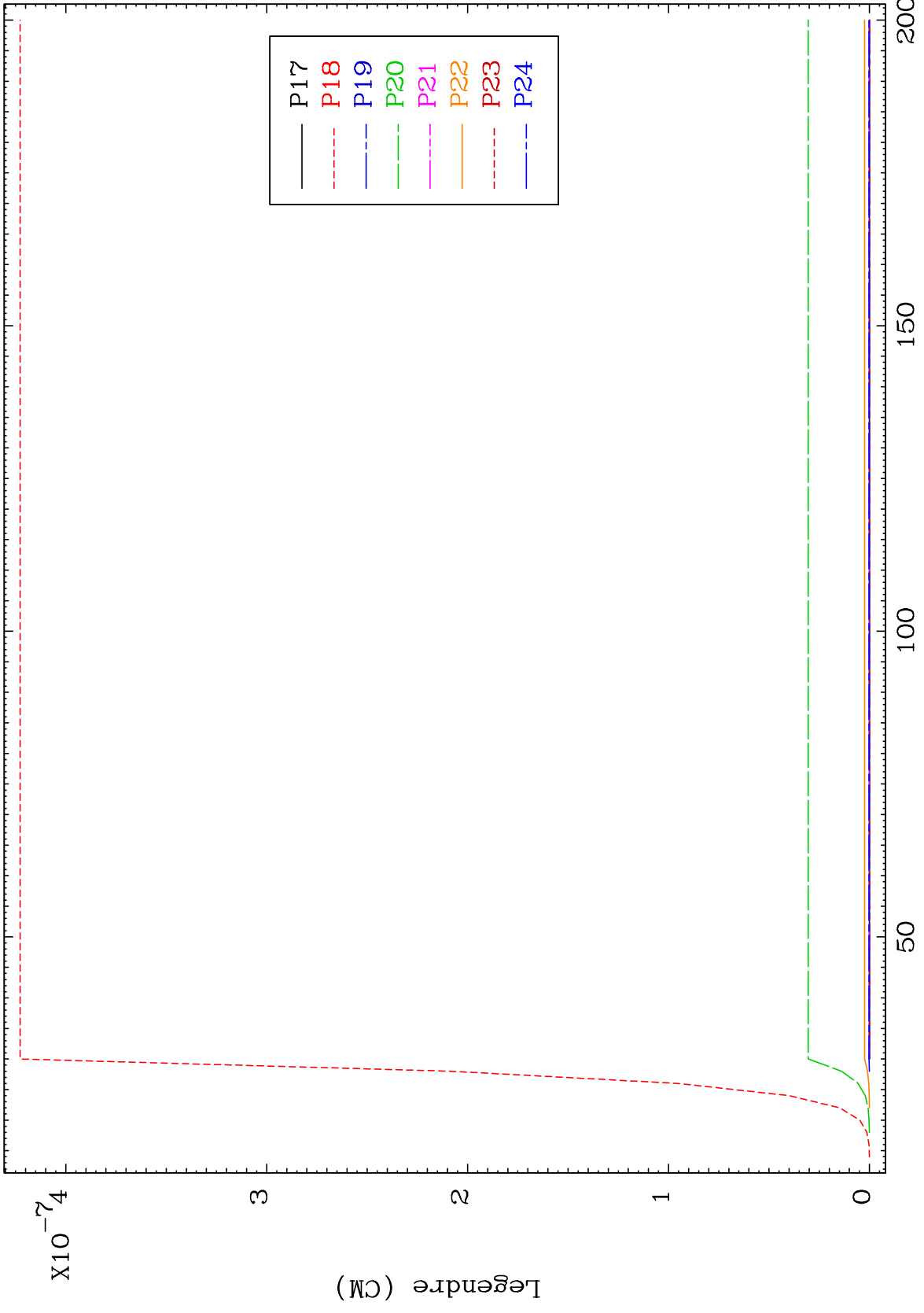
42 Incident Energy (MeV) 26-Fe-54

MAT 2625 MT= 59 (n,n') Level Legendre Coefficients 26-Fe-54



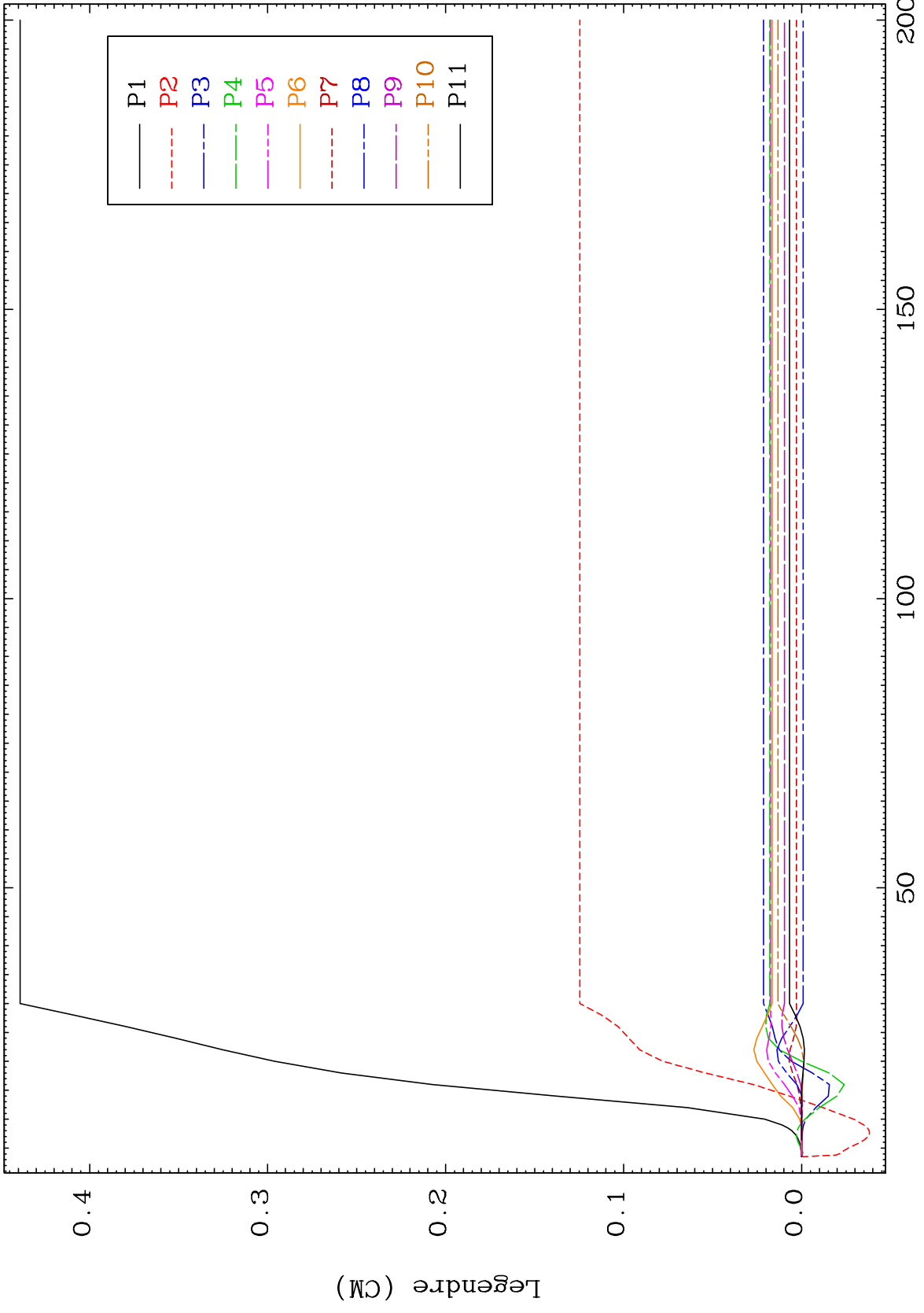
43 50 100 150 200 26-Fe-54

MAT 2625 MT= 59 (n,n') Level Legendre Coefficients 26-Fe-54



44 50 100 150 200 26-Fe-54

MAT 2625 MT= 60 (n,n') Level Legendre Coefficients 26-Fe-54

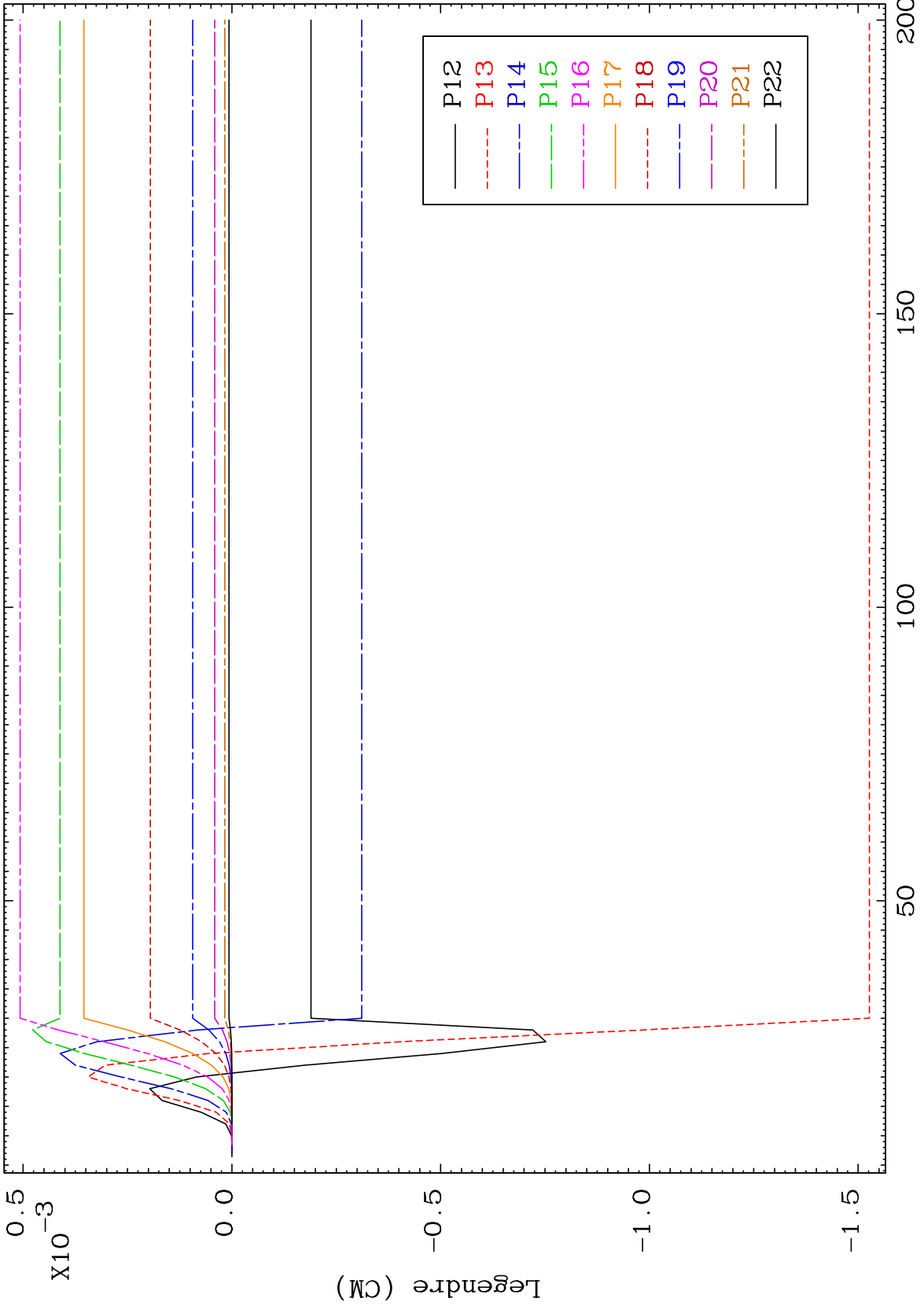


Legendre (CM) Incident Energy (MeV) 26-Fe-54

MAT 2625

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

26-Fe-54

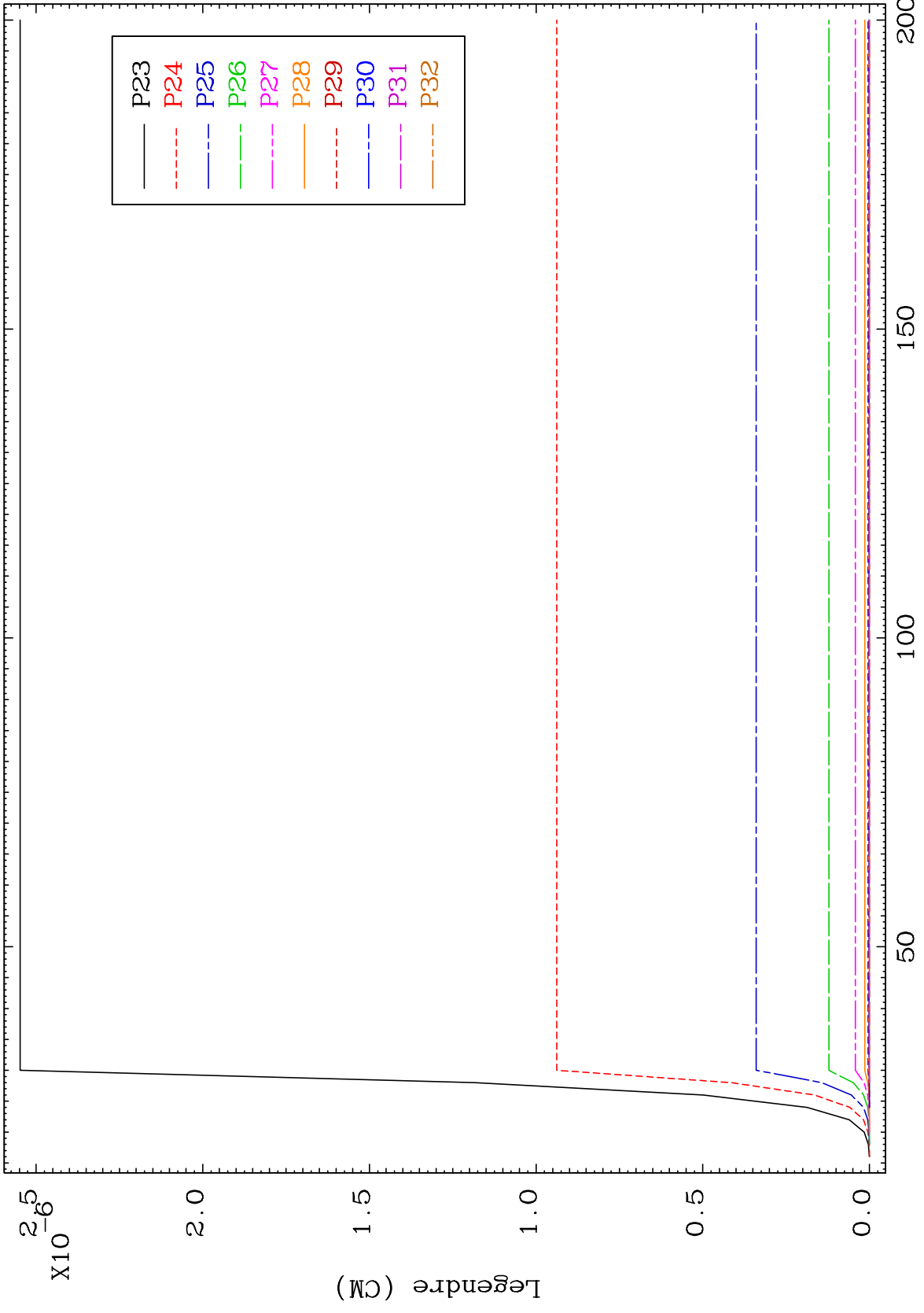


26-Fe-54

Incident Energy (MeV)

46

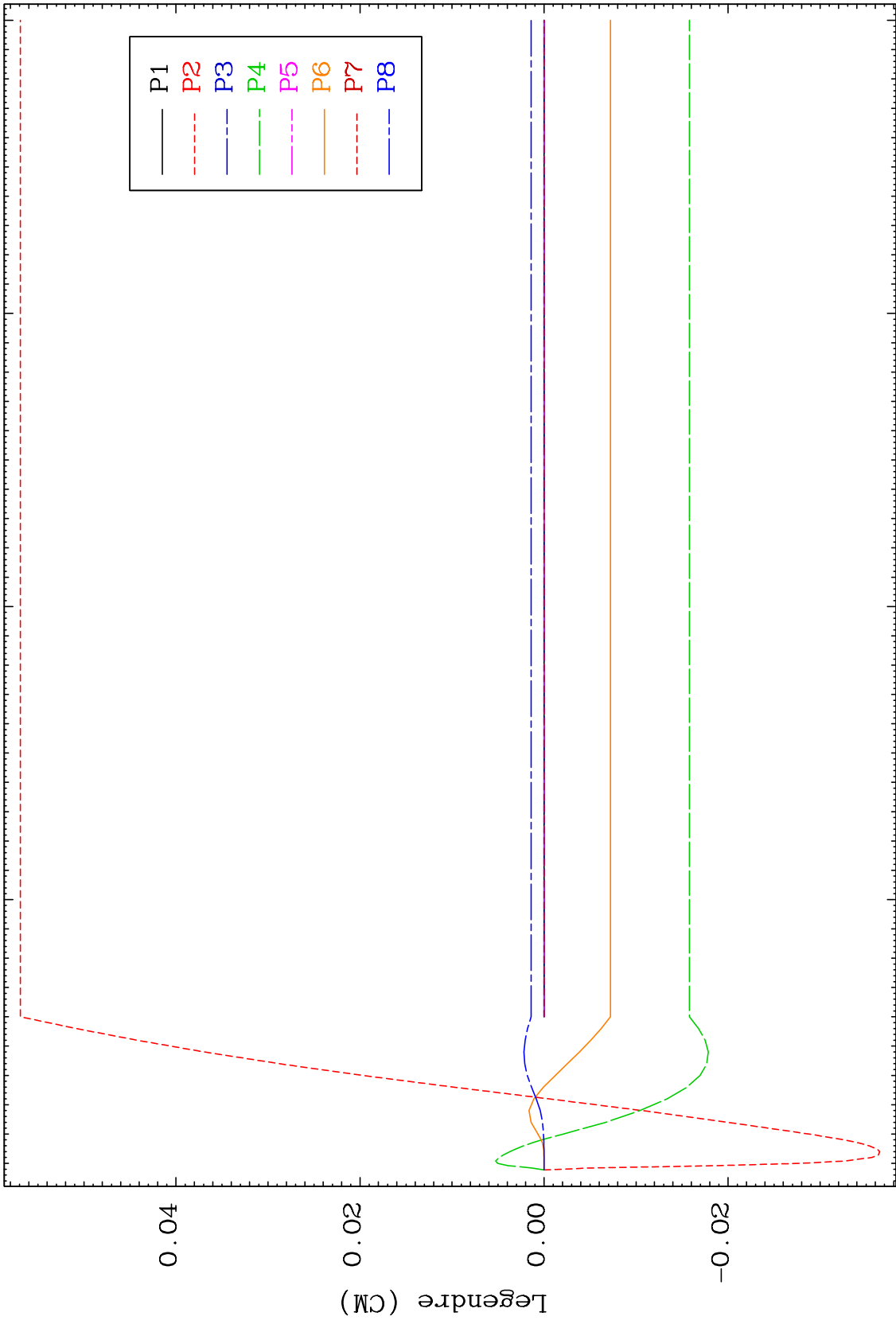
MAT 2625 MT= 60 (n, n') Level Legendre Coefficients 26-Fe-54



47 26-Fe-54

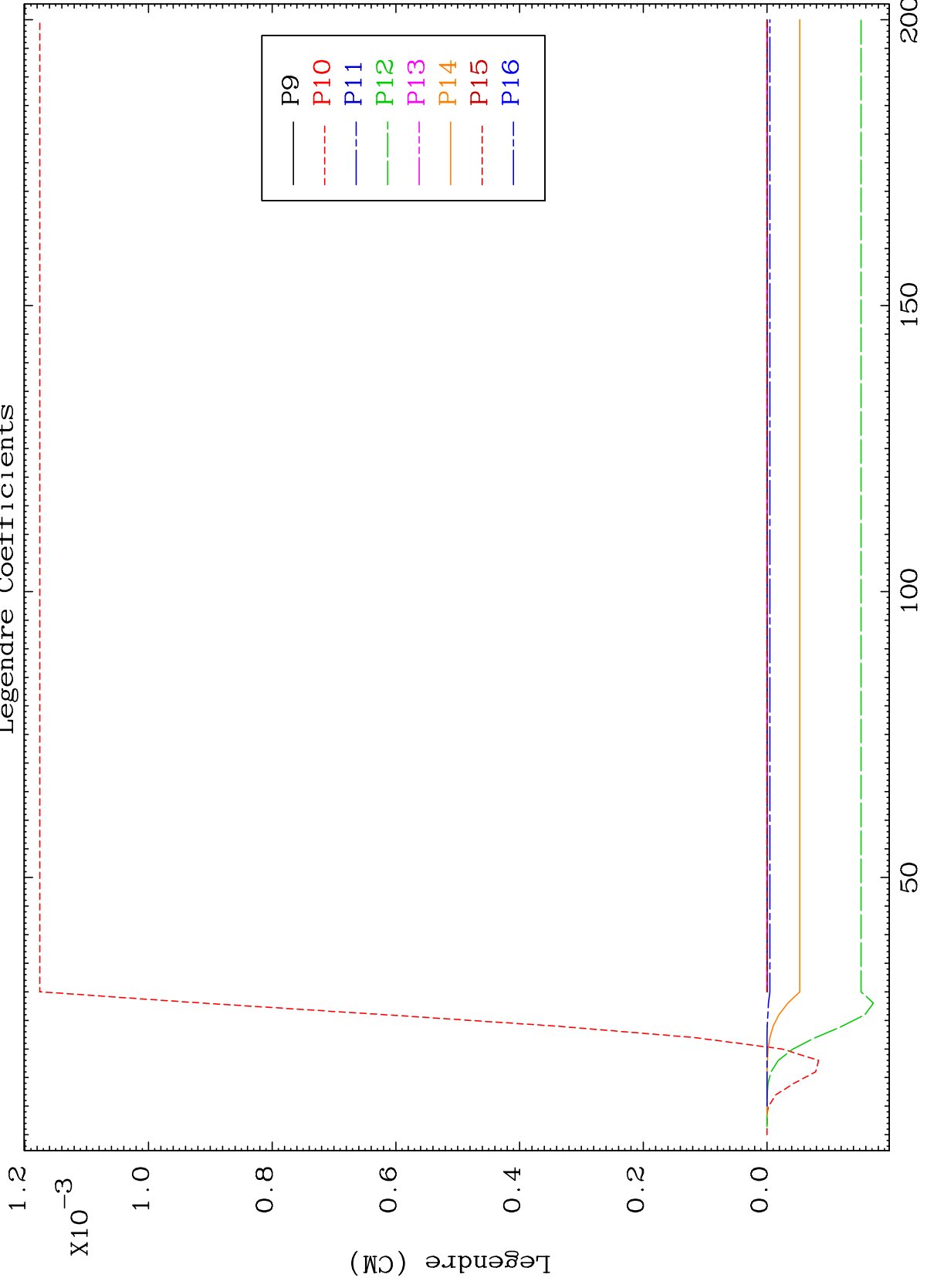


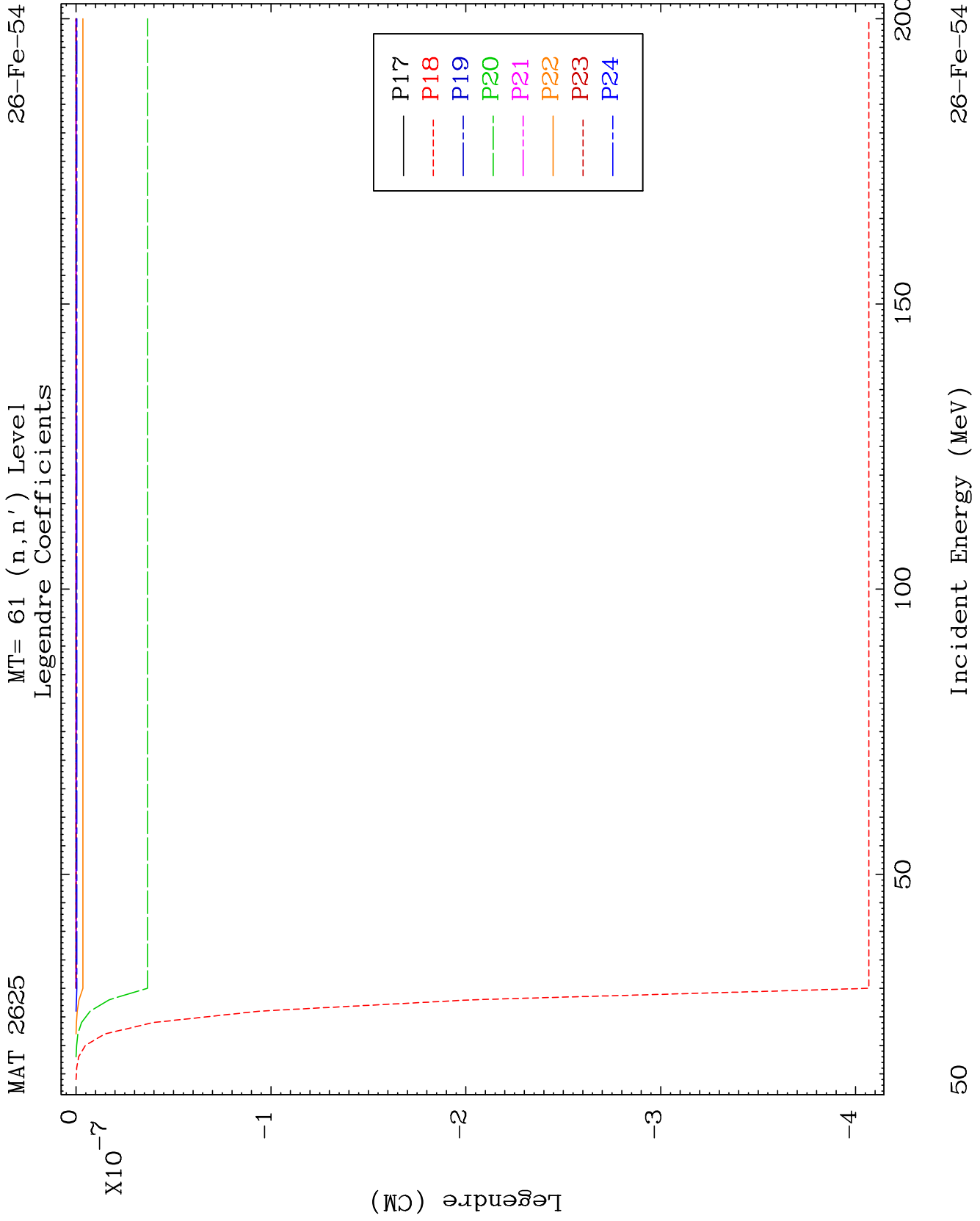
MAT 2625 MT= 61 (n,n') Level Legendre Coefficients 26-Fe-54



48 Incident Energy (MeV) 26-Fe-54

MAT 2625 MT= 61 (n,n') Level Legendre Coefficients 26-Fe-54

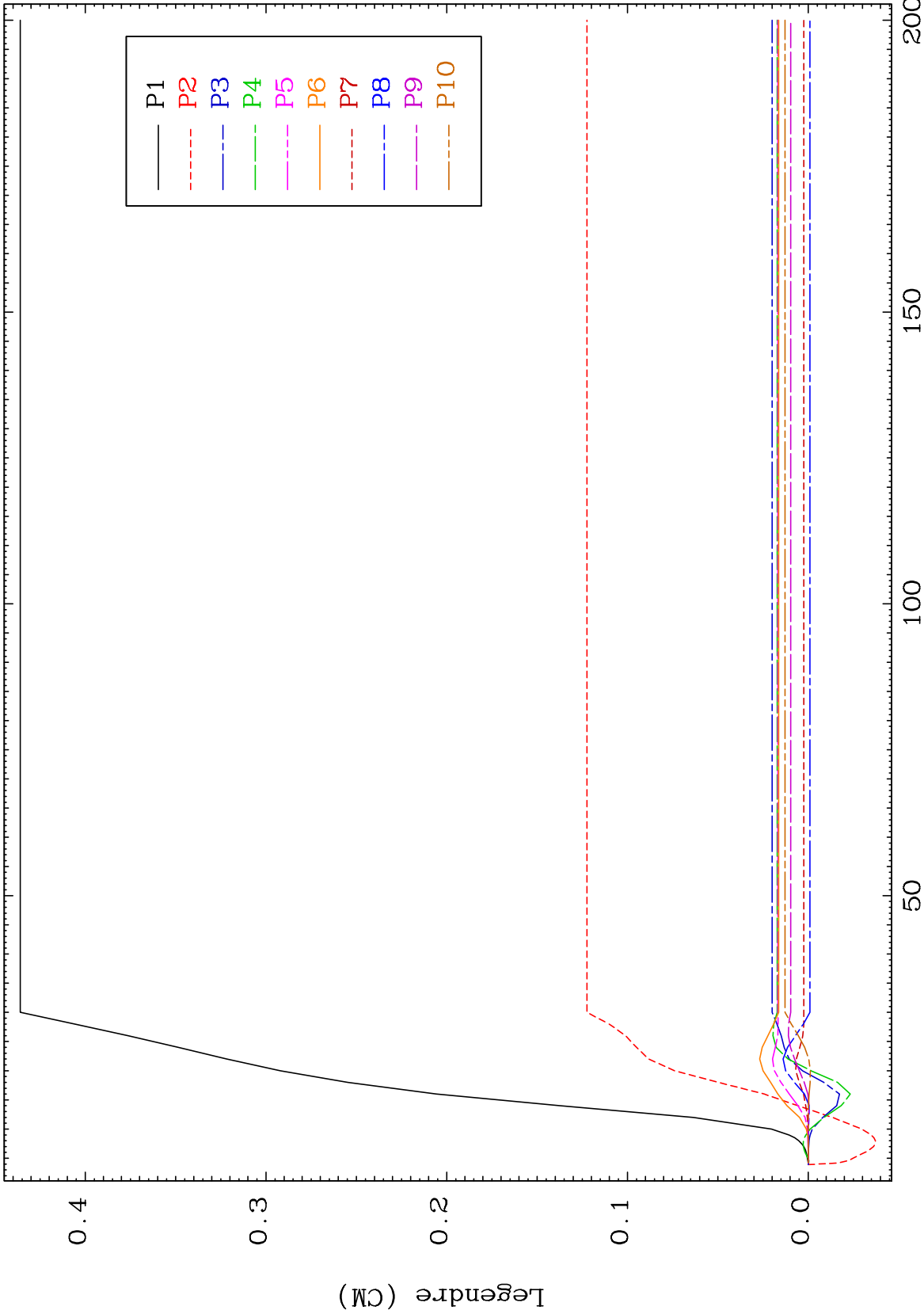




MAT 2625

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

26-Fe-54

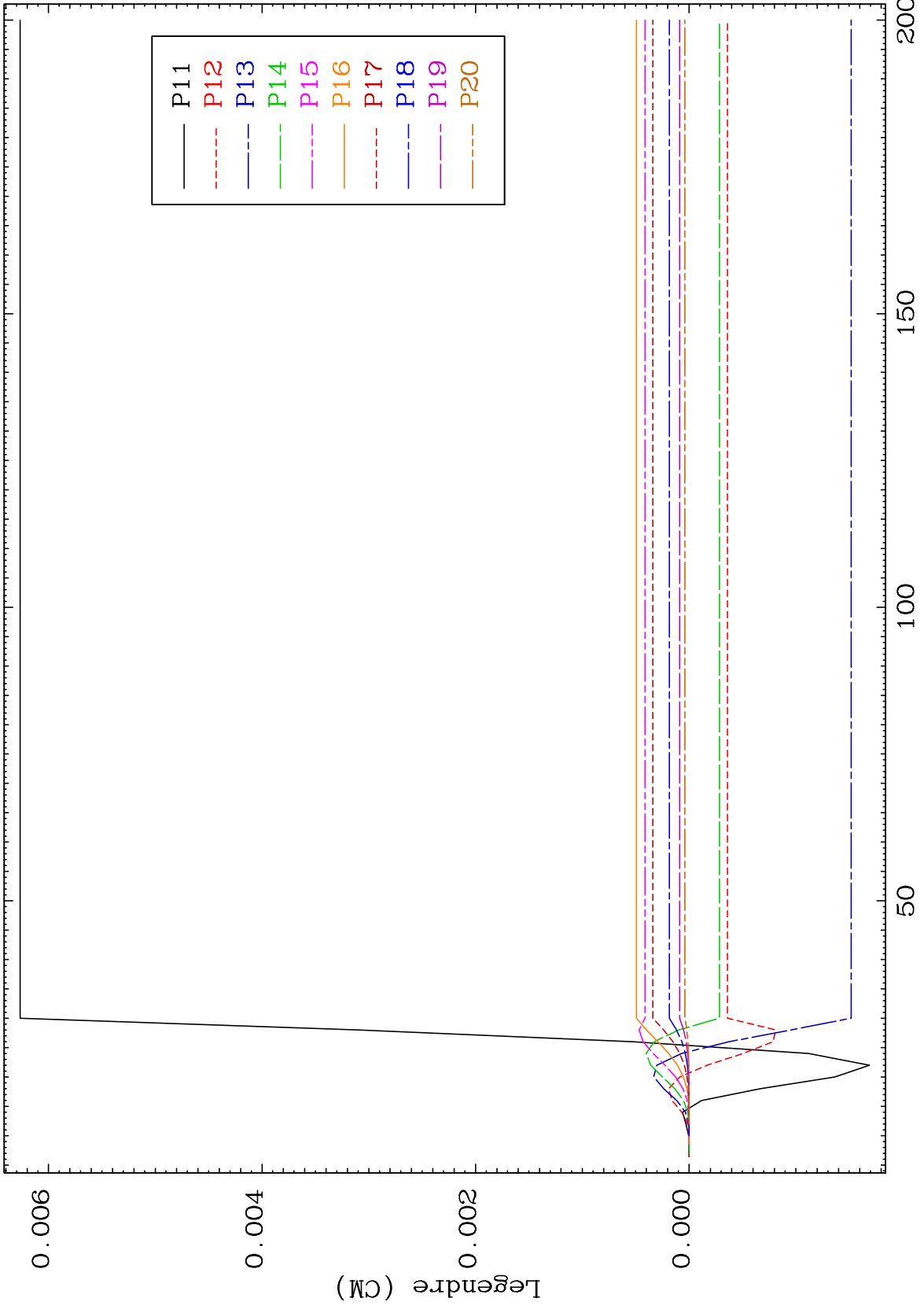


51

Incident Energy (MeV)

26-Fe-54

MAT 2625 MT= 62 (n,n') Level Legendre Coefficients 26-Fe-54

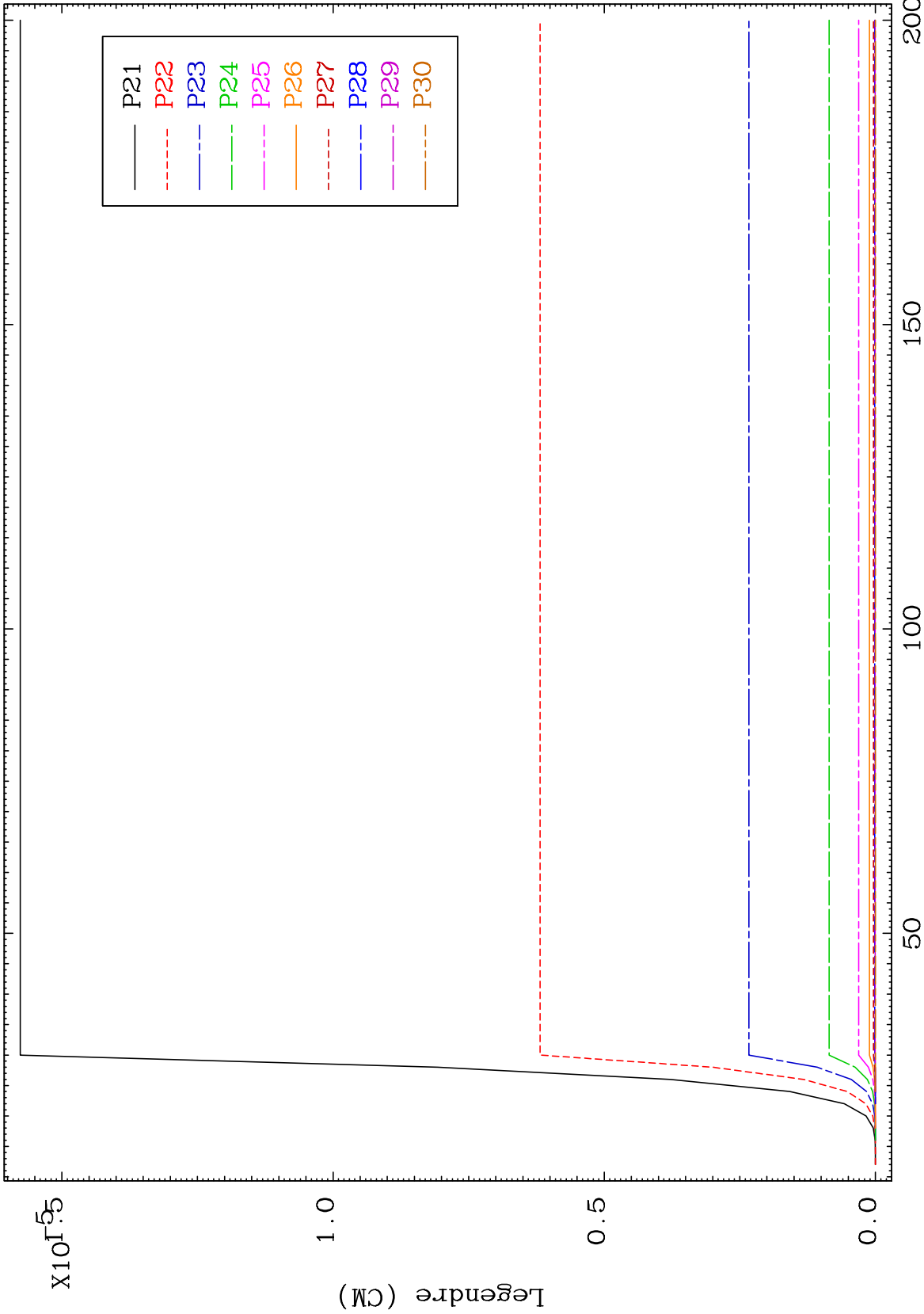


52 Incident Energy (MeV) 200 26-Fe-54

MAT 2625

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

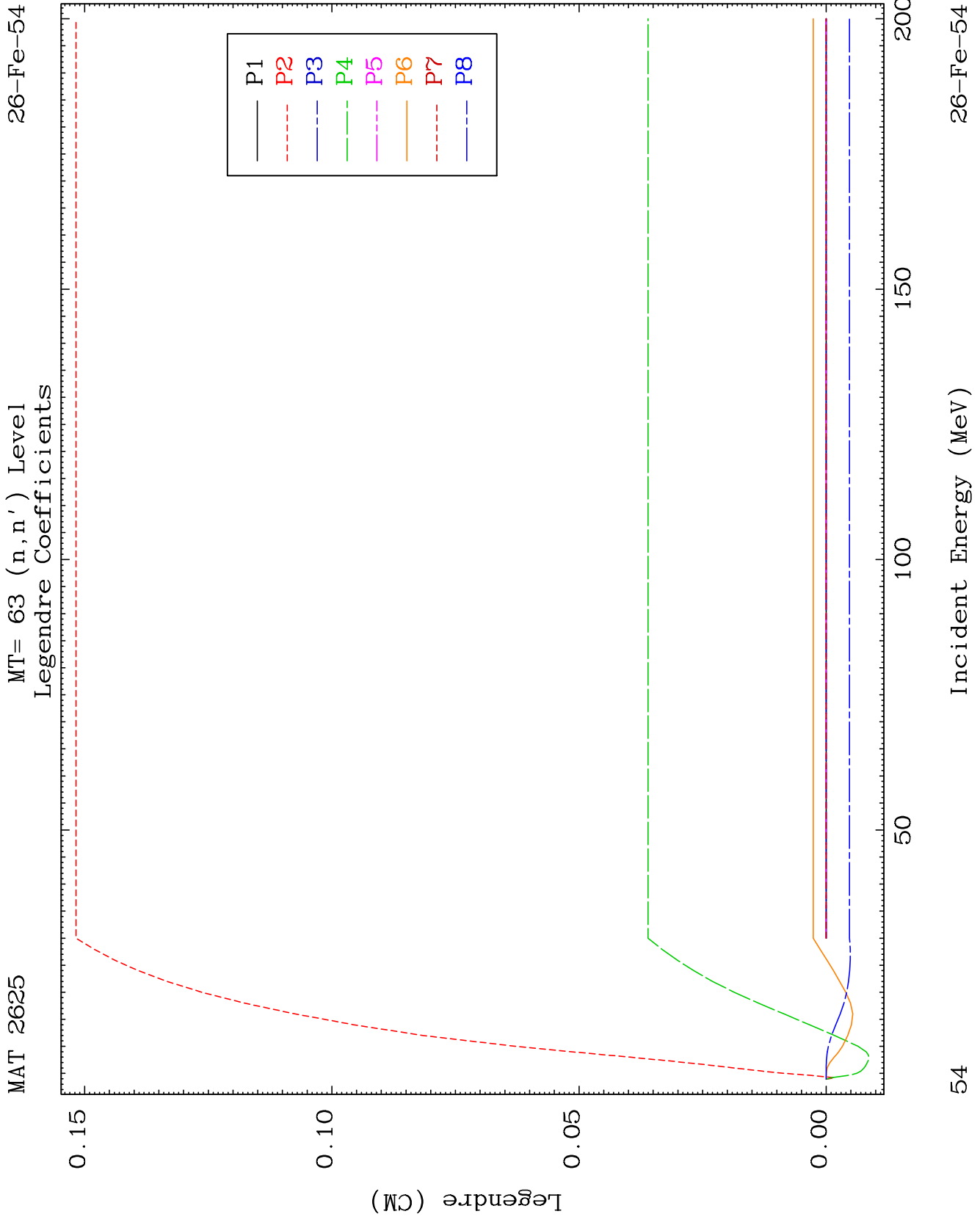
26-Fe-54



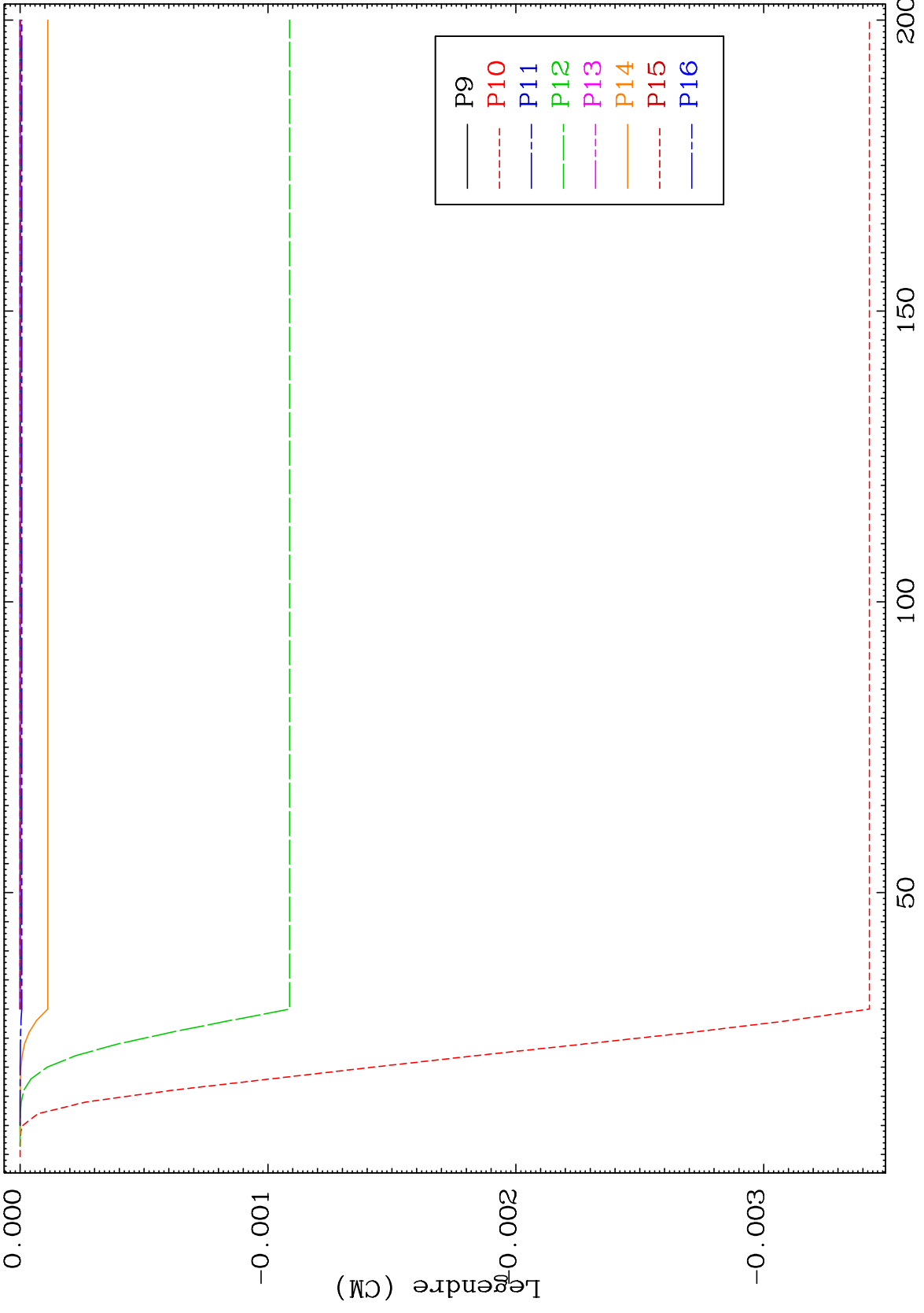
53

Incident Energy (MeV)

26-Fe-54



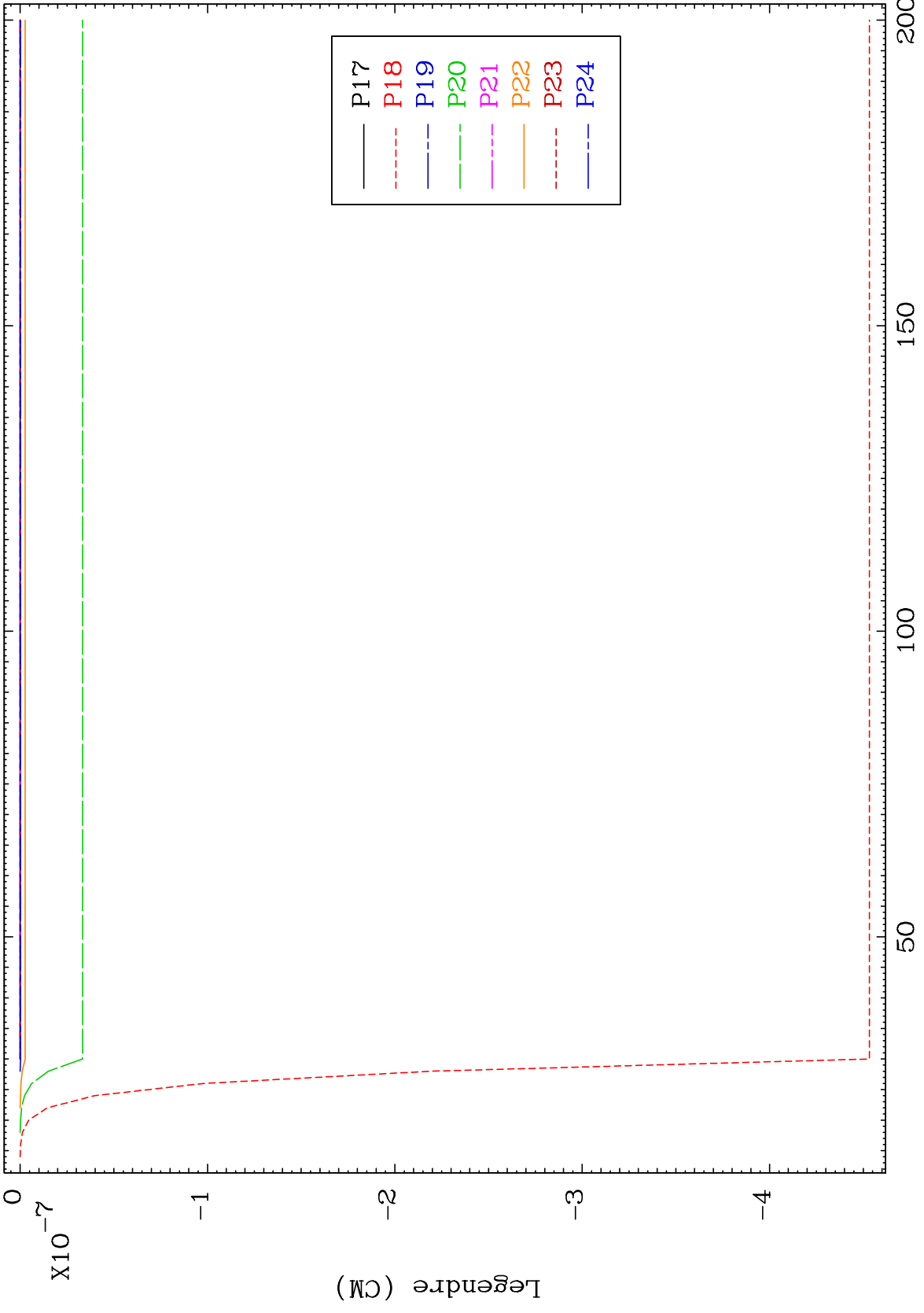
MAT 2625 MT= 63 (n,n') Level Legendre Coefficients 26-Fe-54



55 Incident Energy (MeV) 200 26-Fe-54



MAT 2625 MT= 63 (n,n') Level Legendre Coefficients 26-Fe-54

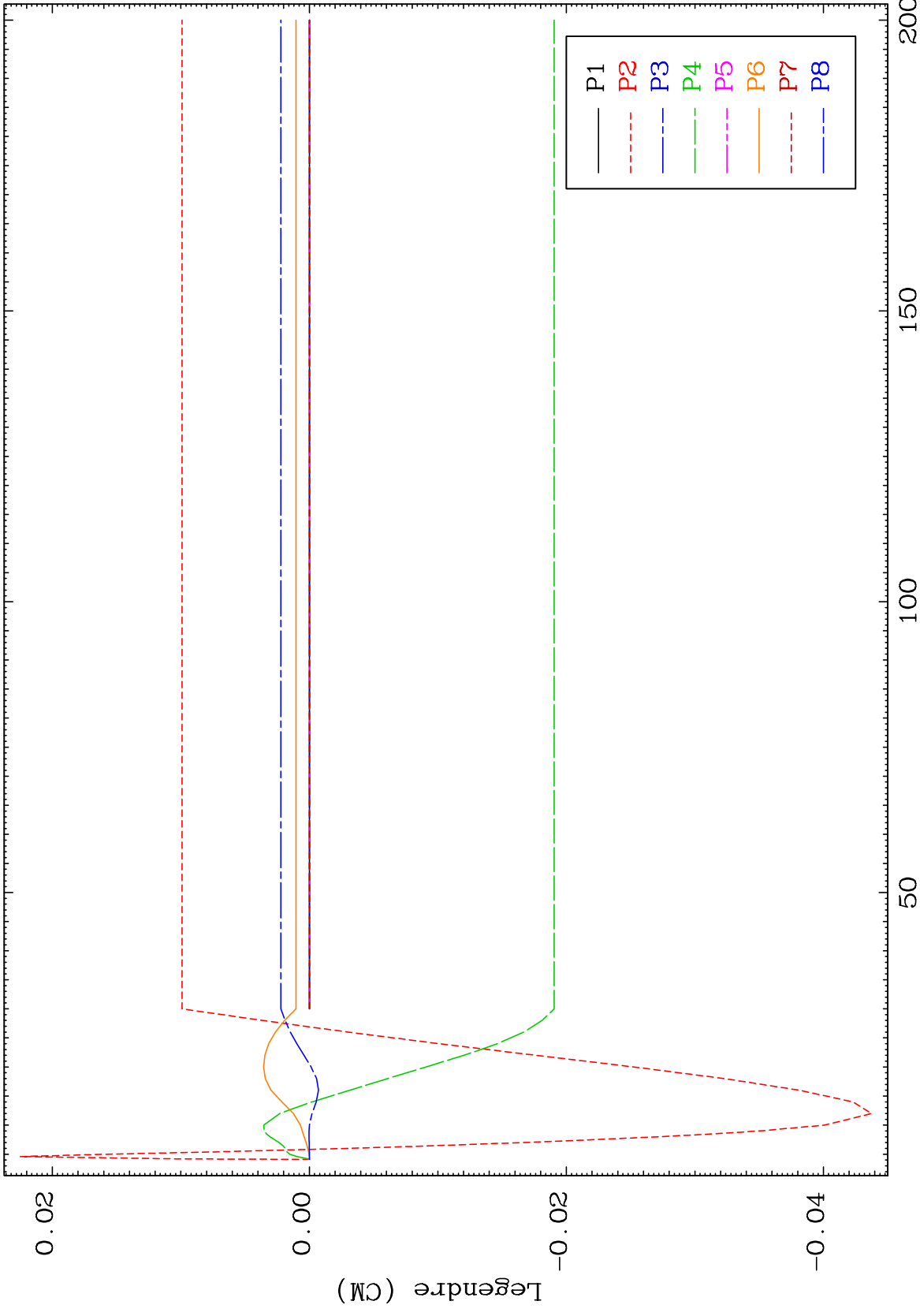


56 Incident Energy (MeV) 26-Fe-54

MAT 2625

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

26-Fe-54

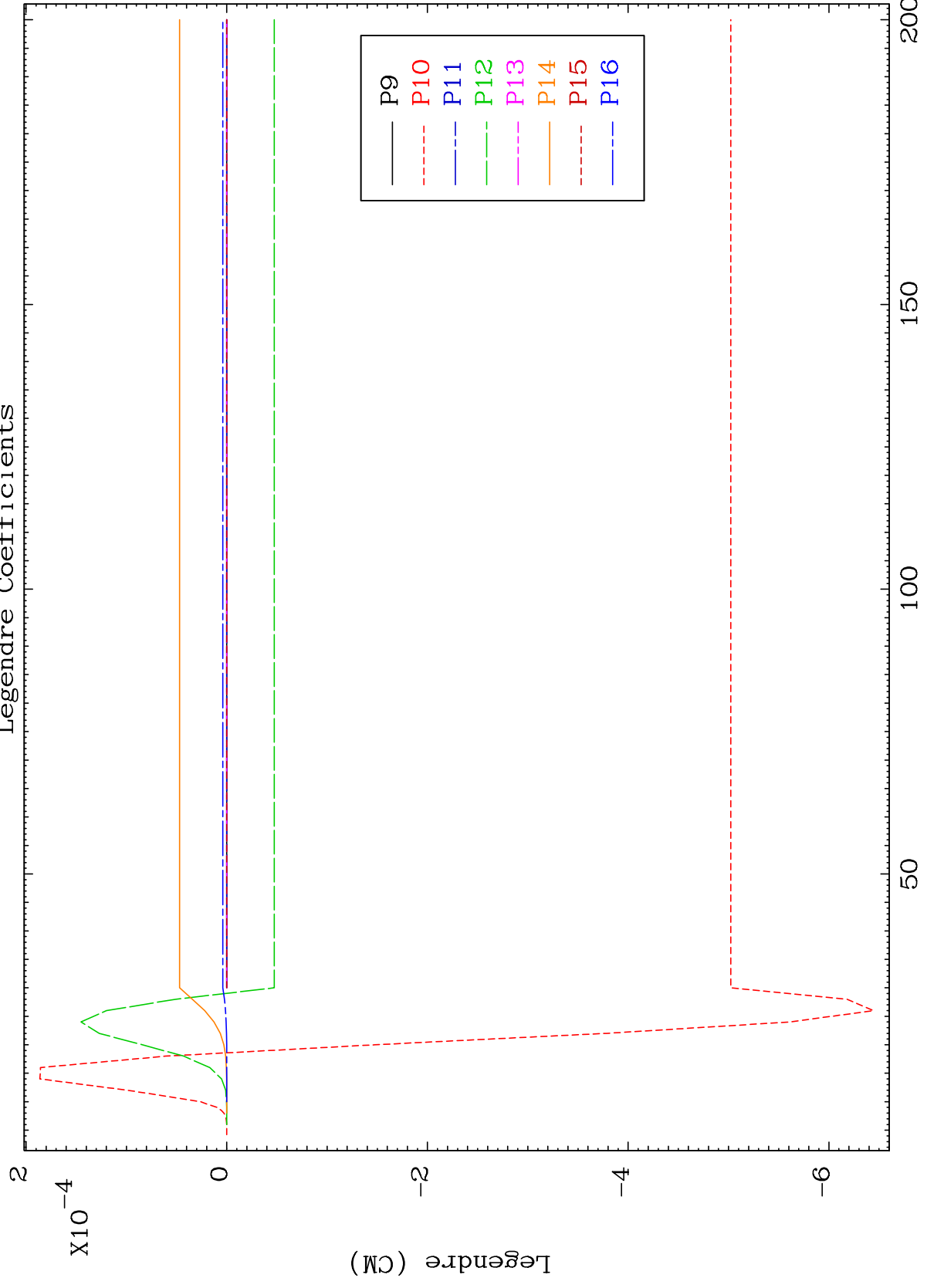


57

Incident Energy (MeV)

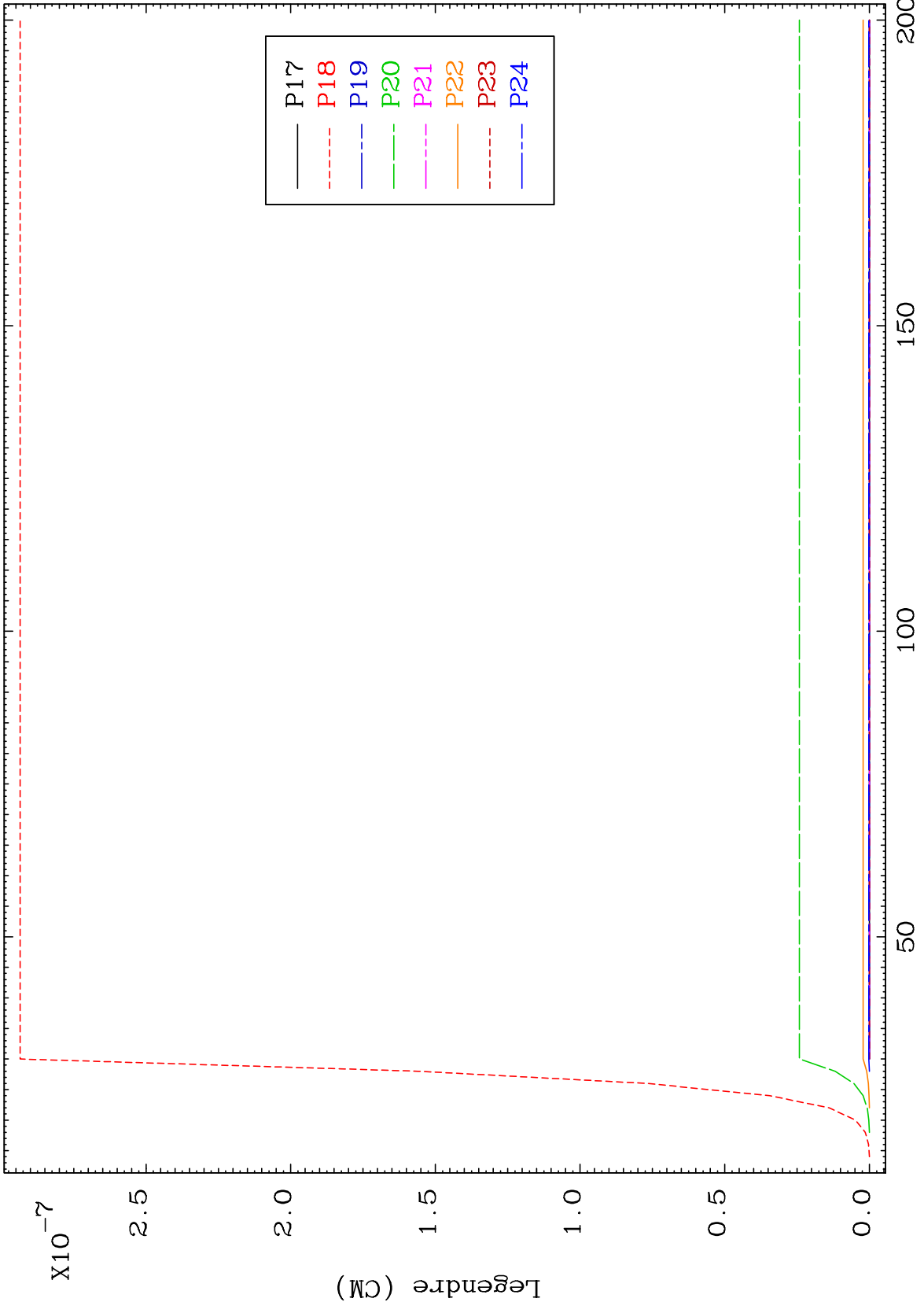
26-Fe-54

MAT 2625 MT= 64 (n,n') Level Legendre Coefficients 26-Fe-54



58 Incident Energy (MeV) 200 26-Fe-54

MAT 2625 MT= 64 (n,n') Level Legendre Coefficients 26-Fe-54

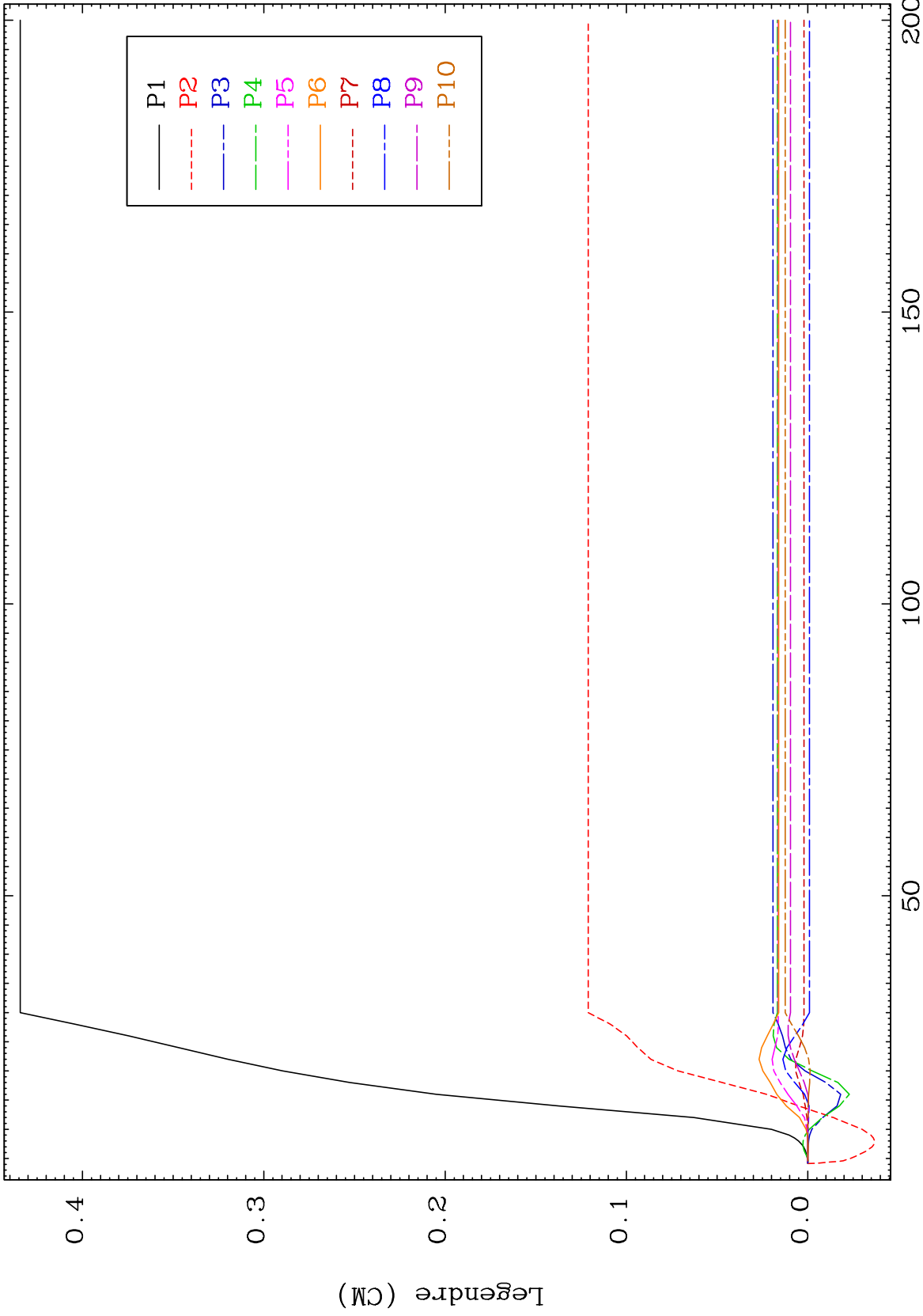


59 200 26-Fe-54

MAT 2625

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

26-Fe-54



60

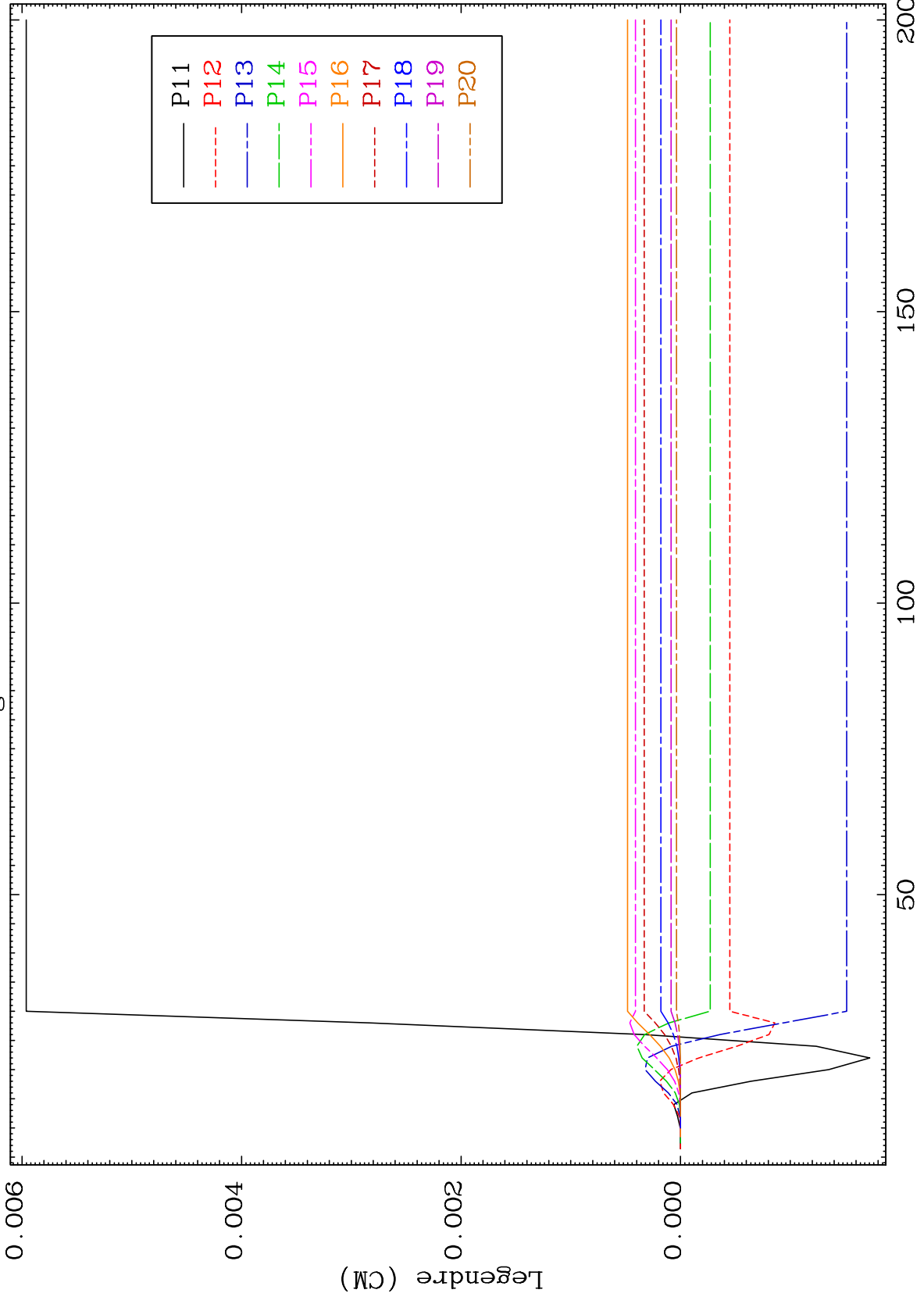
Incident Energy (MeV)

150

200

26-Fe-54

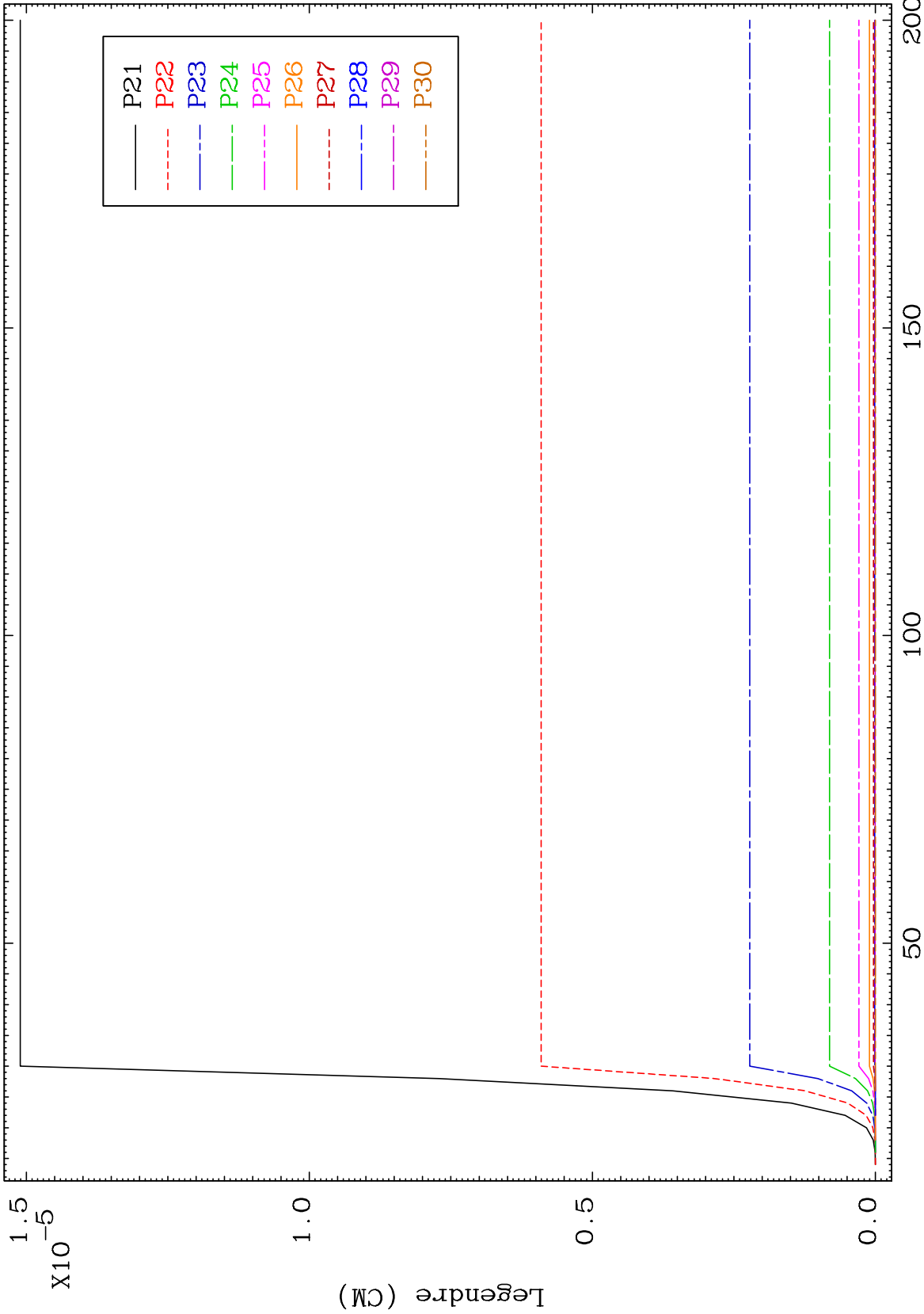
MAT 2625 MT= 65 (n,n') Level Legendre Coefficients 26-Fe-54



MAT 2625

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

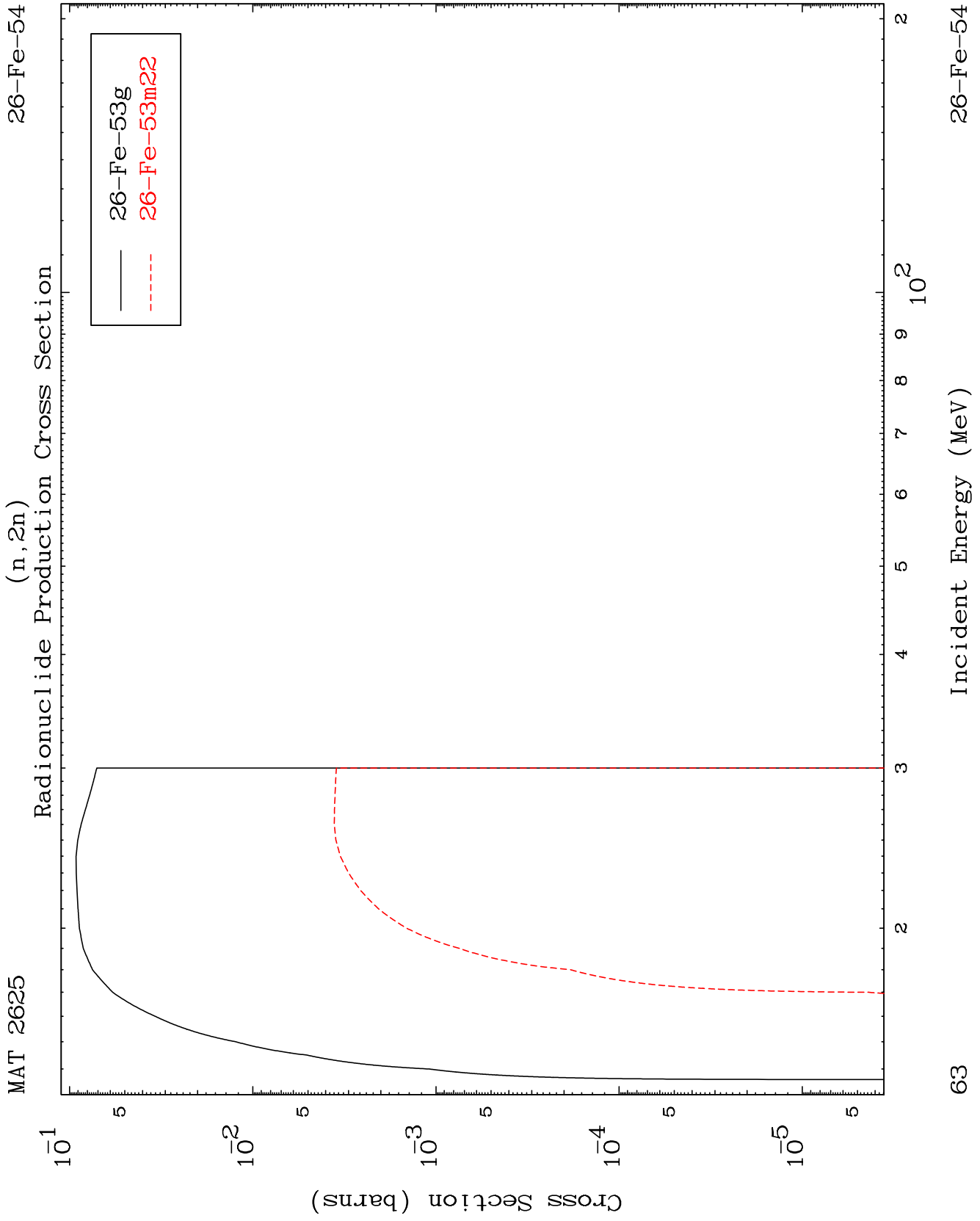
26-Fe-54



62

Incident Energy (MeV)

26-Fe-54

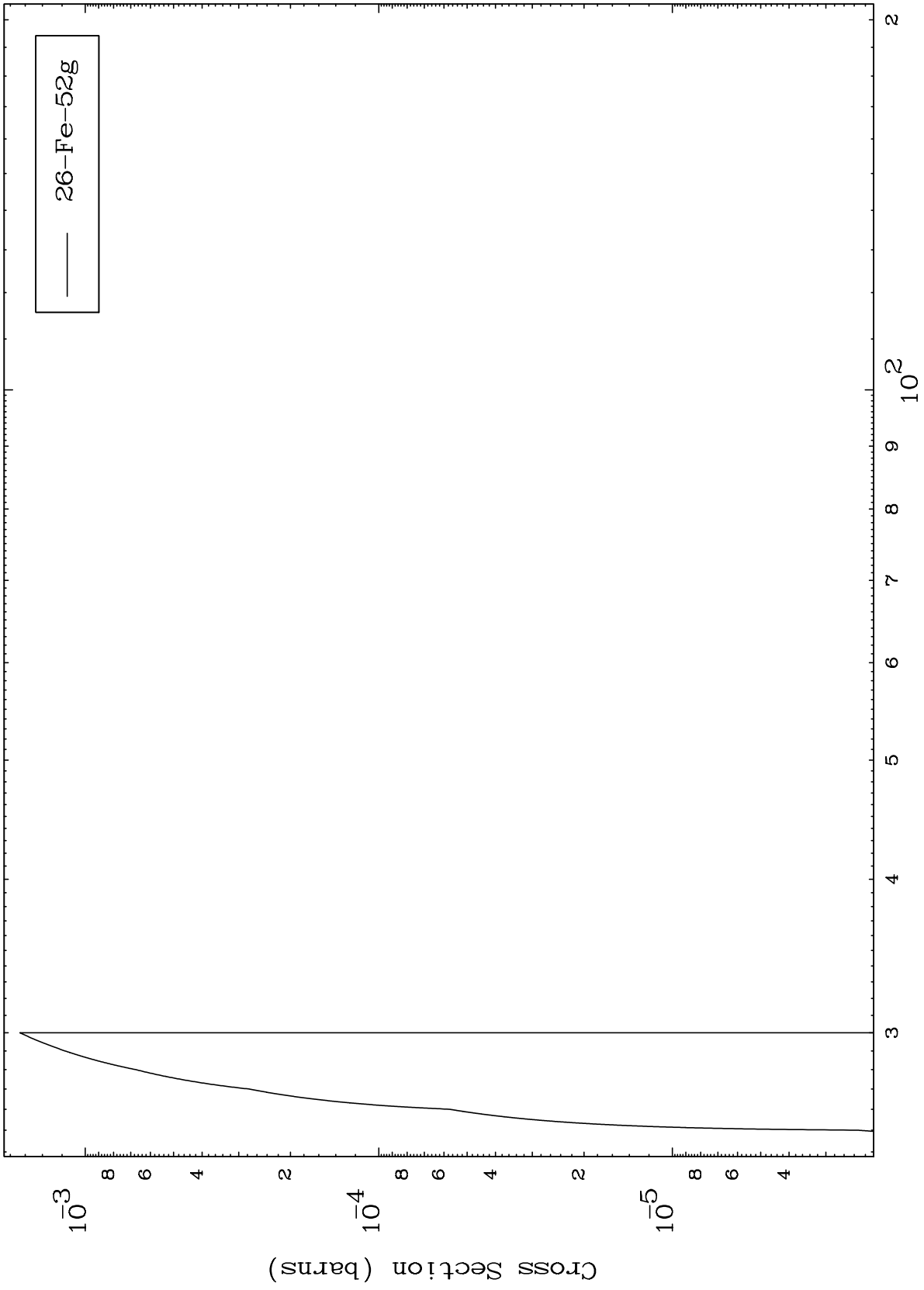




MAT 2625

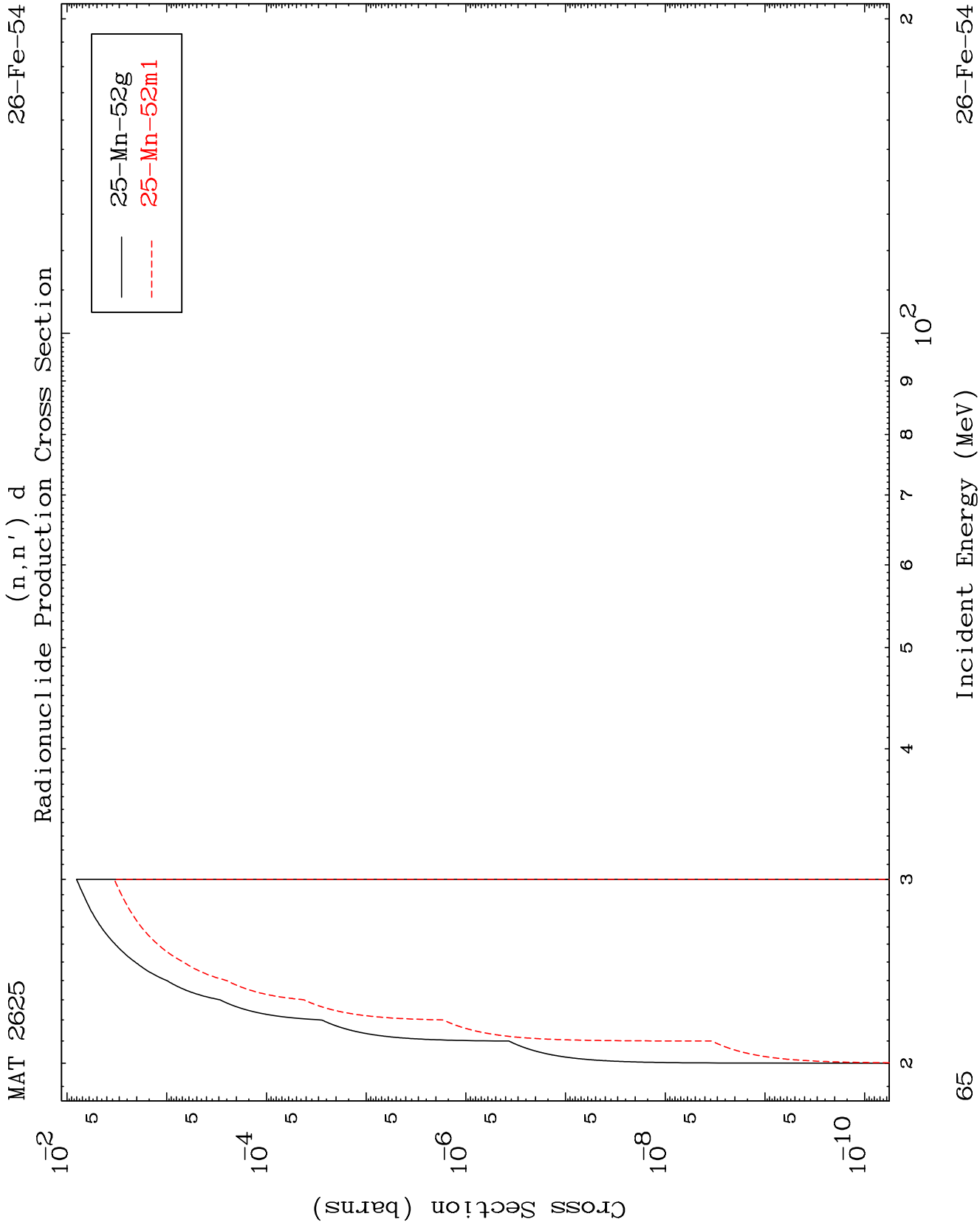
<sup>26</sup>Fe-54

(n,3n)  
Radionuclide Production Cross Section



64

<sup>26</sup>Fe-54

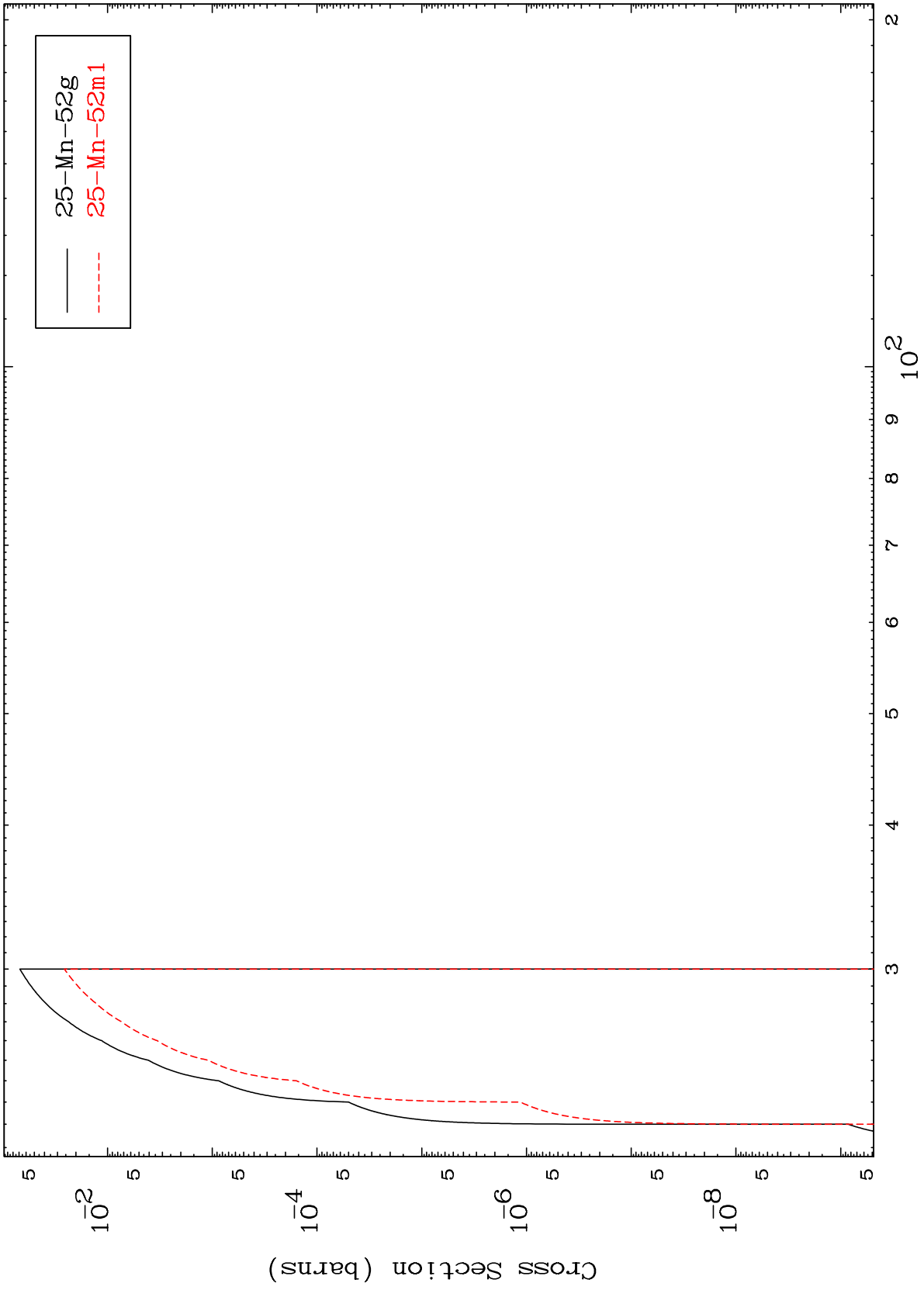


MAT 2625

(n,2n) p

<sup>26</sup>Fe-54

Radionuclide Production Cross Section



66

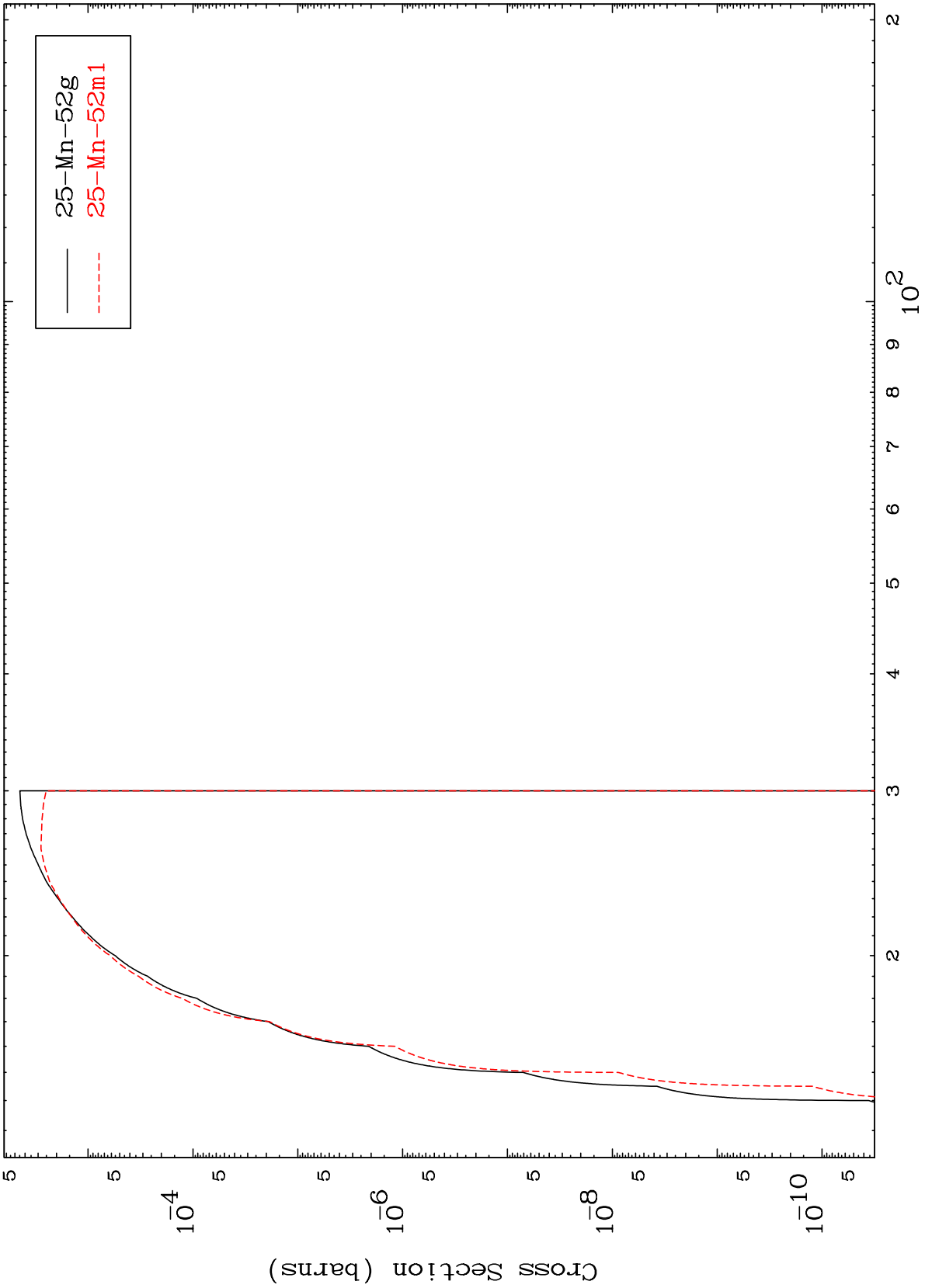
Incident Energy (MeV)

<sup>26</sup>Fe-54

MAT 2625

<sup>26</sup>Fe-54

(n, t)  
Radionuclide Production Cross Section



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<sup>26</sup>Fe-54