

Program EVALPLOT  
(Version 2018-1)

by

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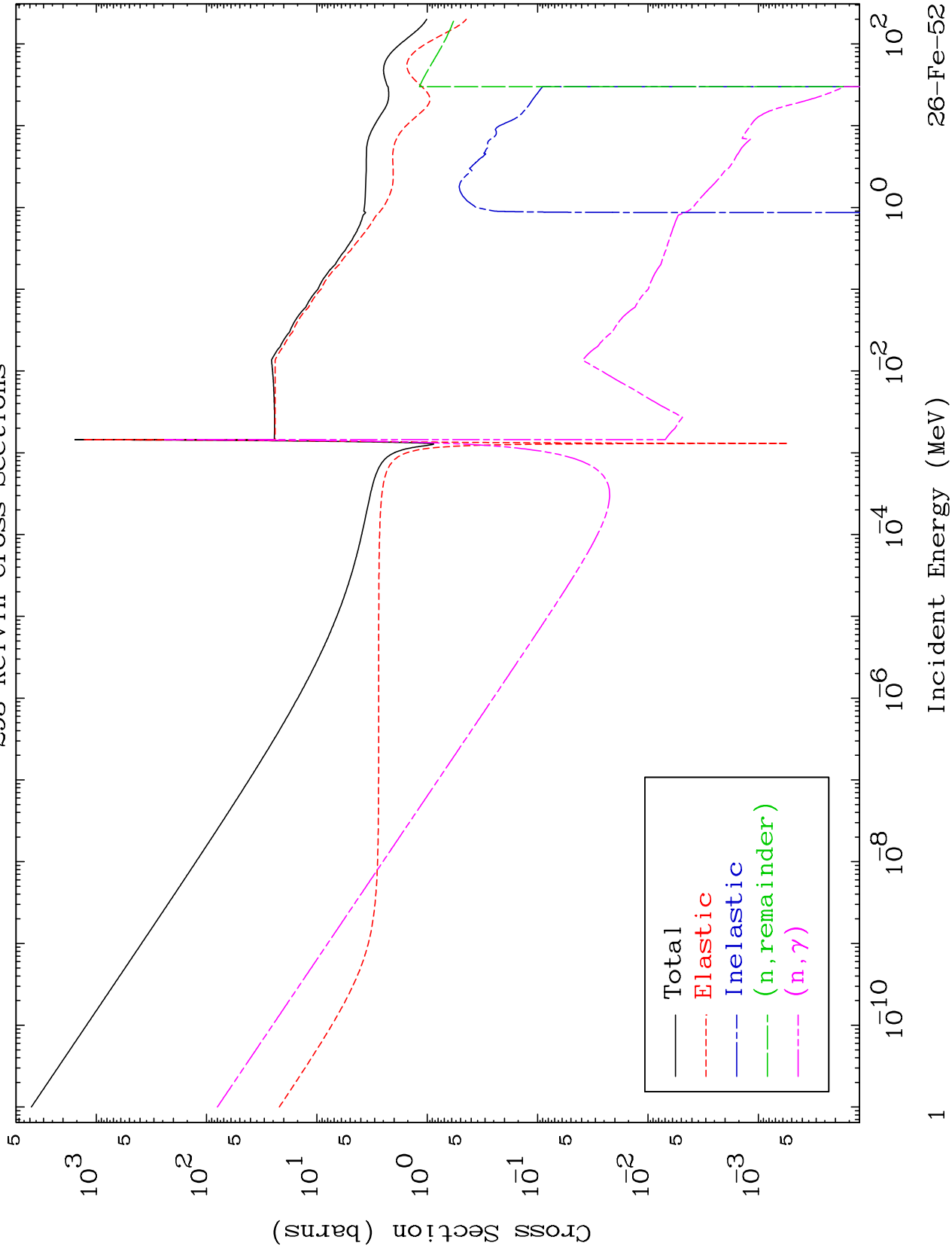
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2619

Major  
293 Kelvin Cross Sections

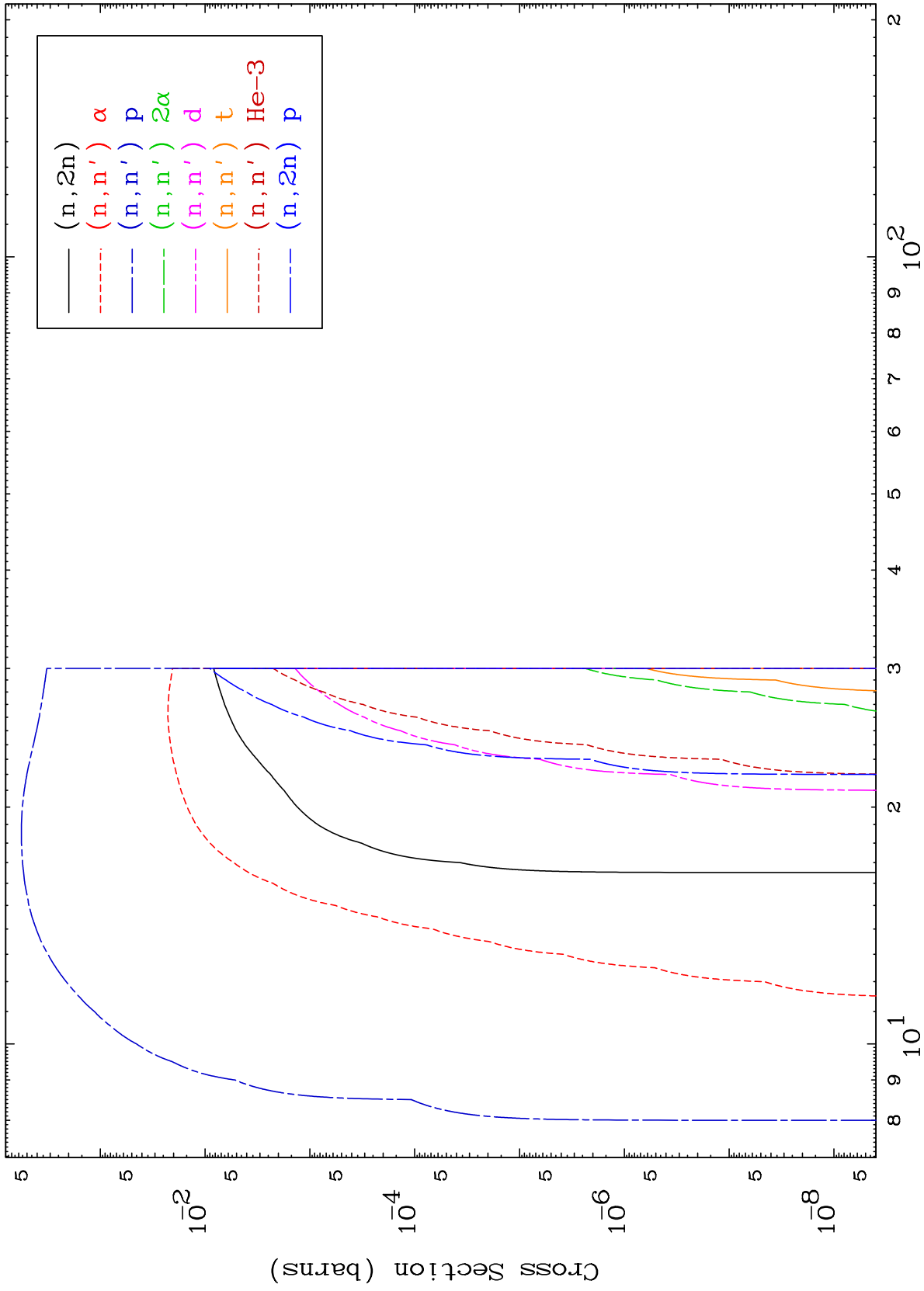
26-Fe-52



MAT 2619

Neutron Production  
293 Kelvin Cross Sections

26-Fe-52



2

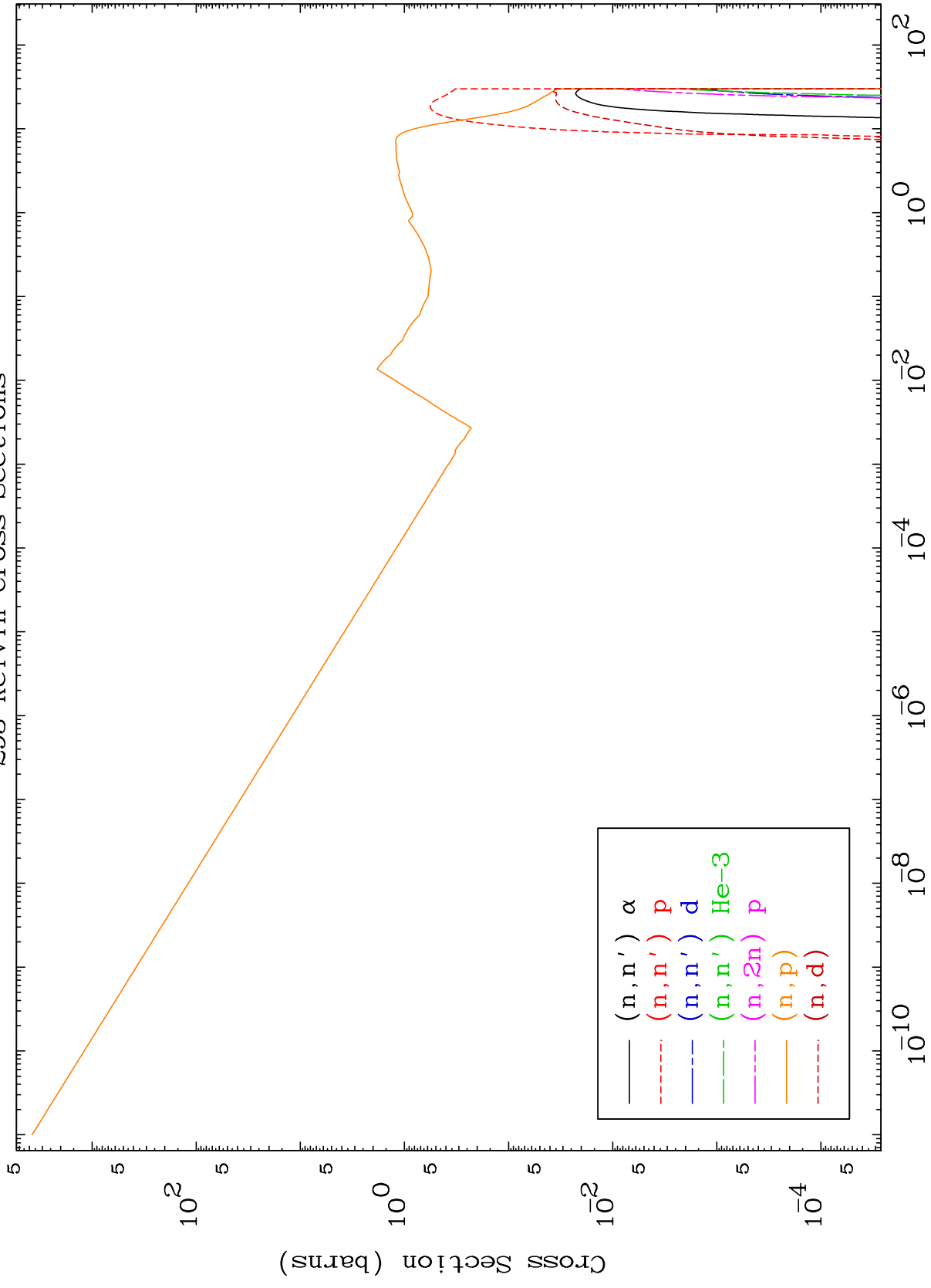
Incident Energy (MeV)

26-Fe-52

MAT 2619

Charged Particle  
293 Kelvin Cross Sections

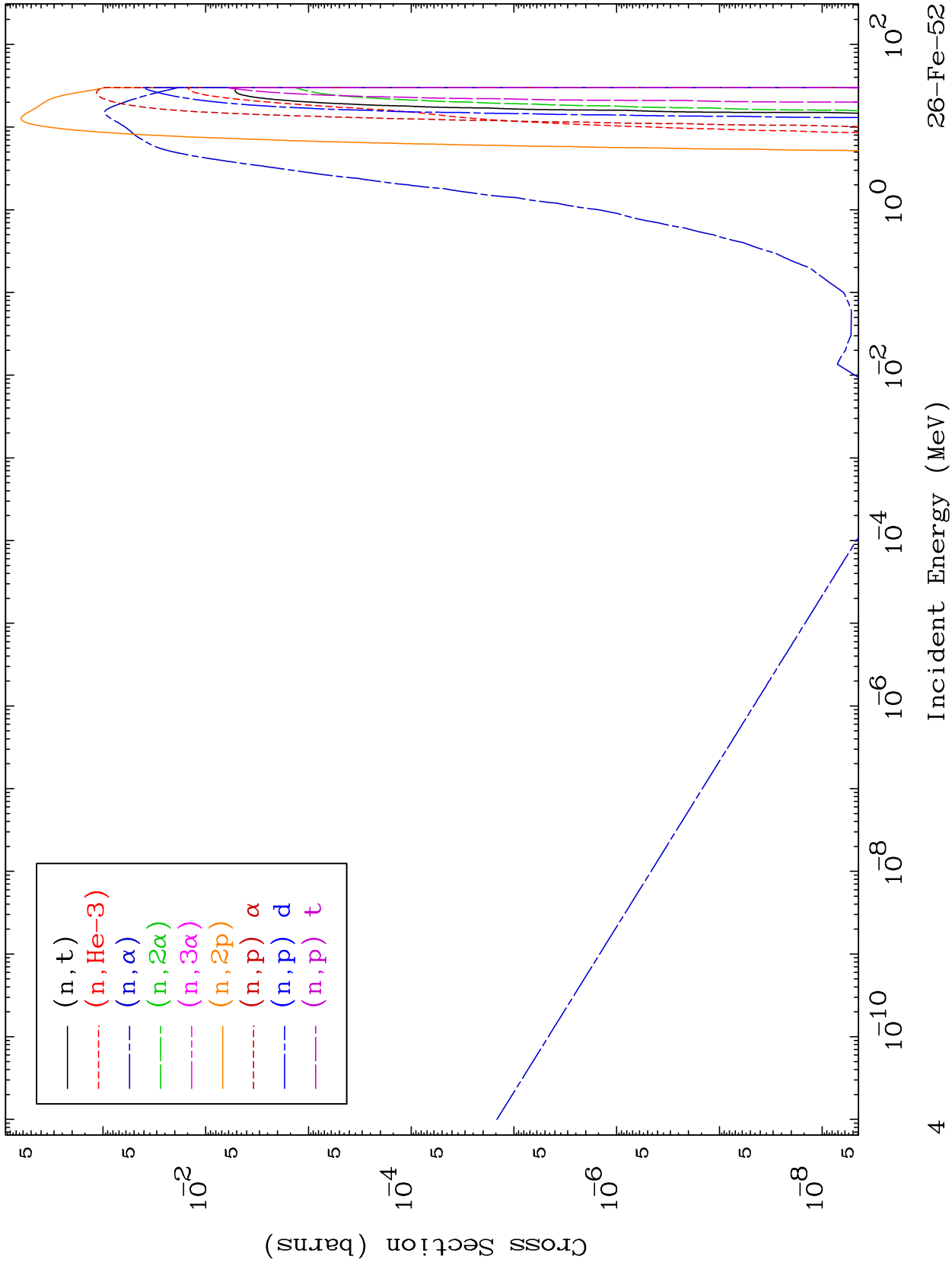
26-Fe-52



MAT 2619

Charged Particle  
293 Kelvin Cross Sections

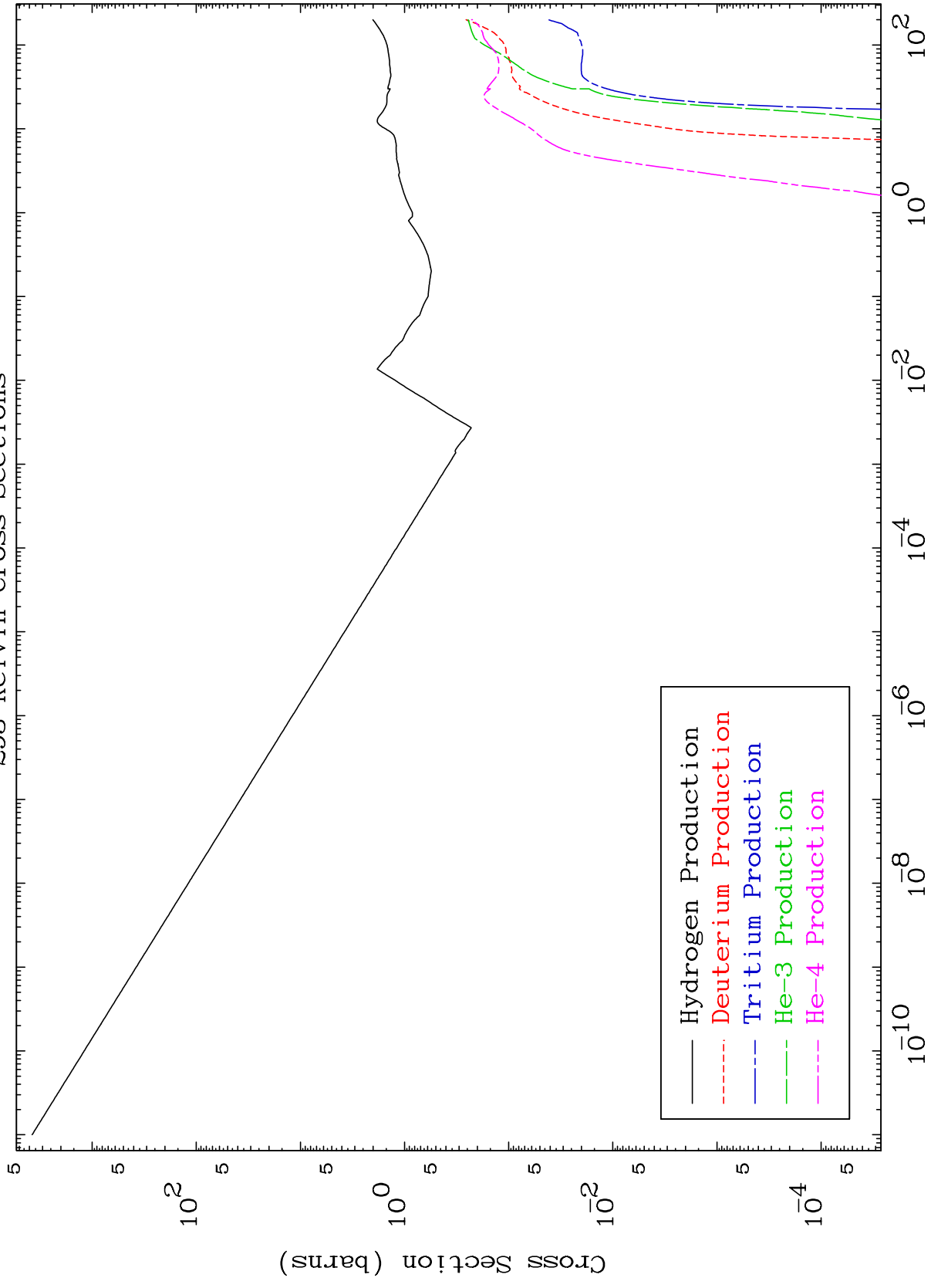
26-Fe-52



MAT 2619

Particle Production  
293 Kelvin Cross Sections

26-Fe-52



5

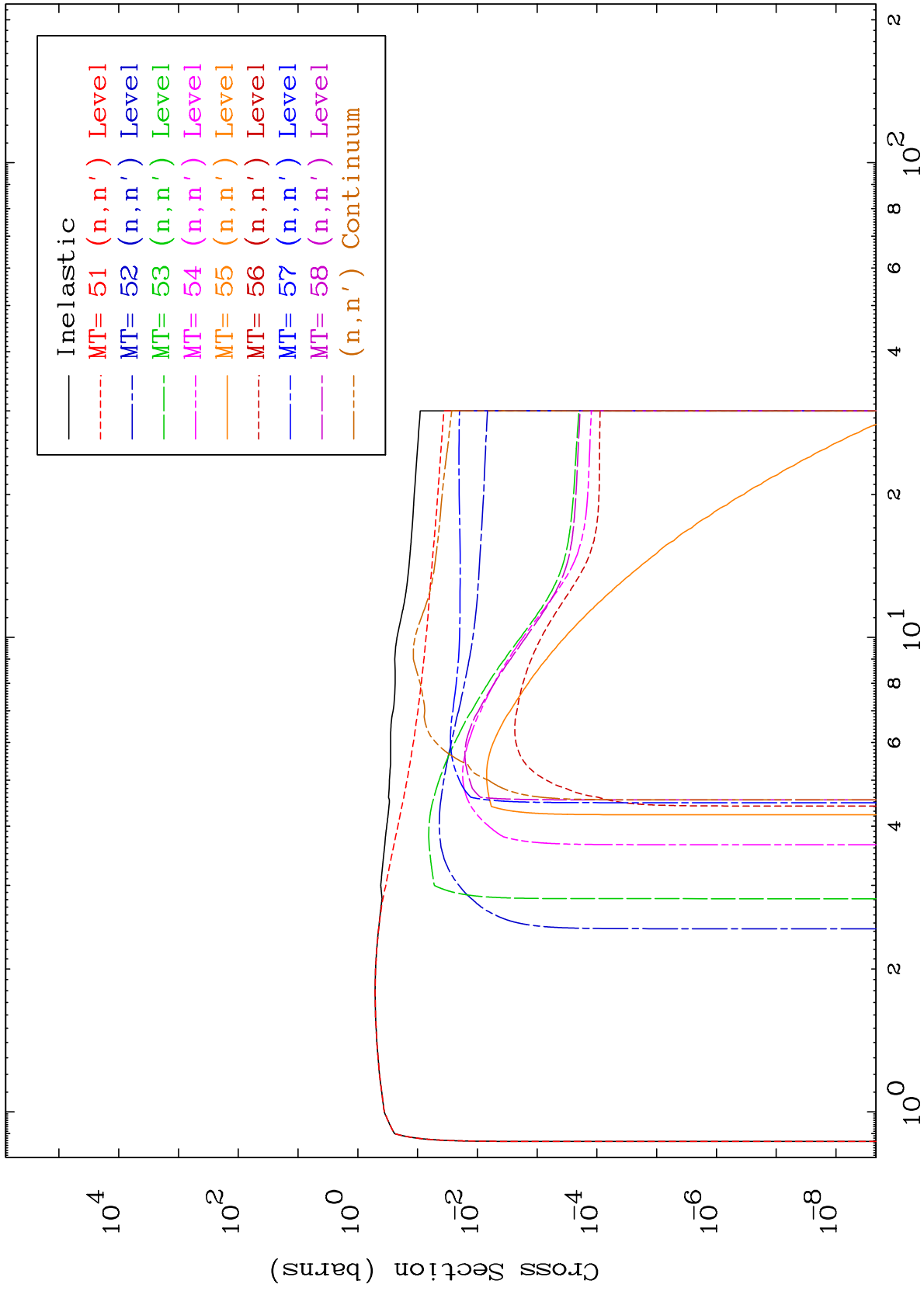
Incident Energy (MeV)

26-Fe-52

MAT 2619

(n,n') Level  
293 Kelvin Cross Sections

26-Fe-52



6

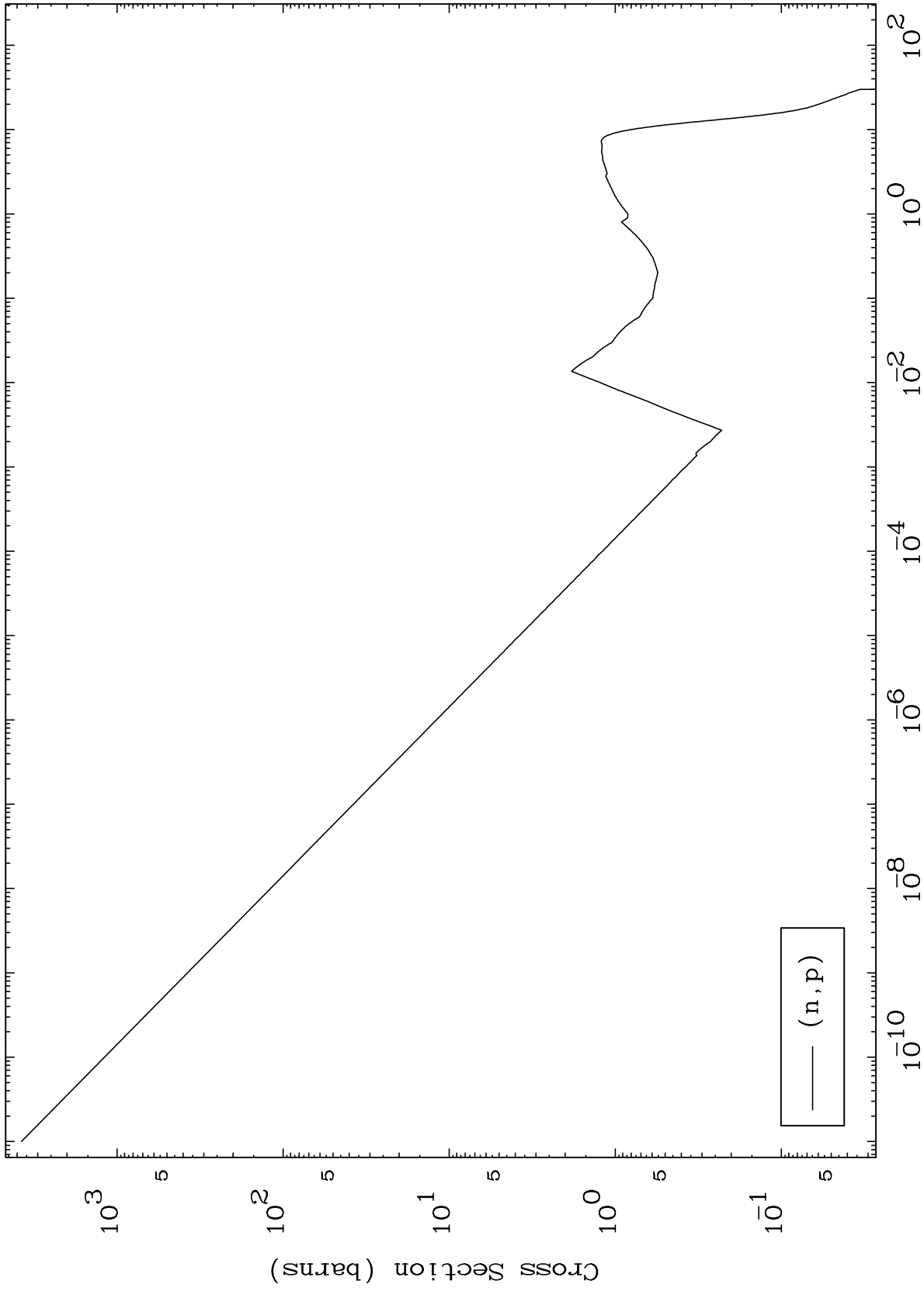
Incident Energy (MeV)

26-Fe-52

MAT 2619

(n,p) Levels  
293 Kelvin Cross Sections

26-Fe-52



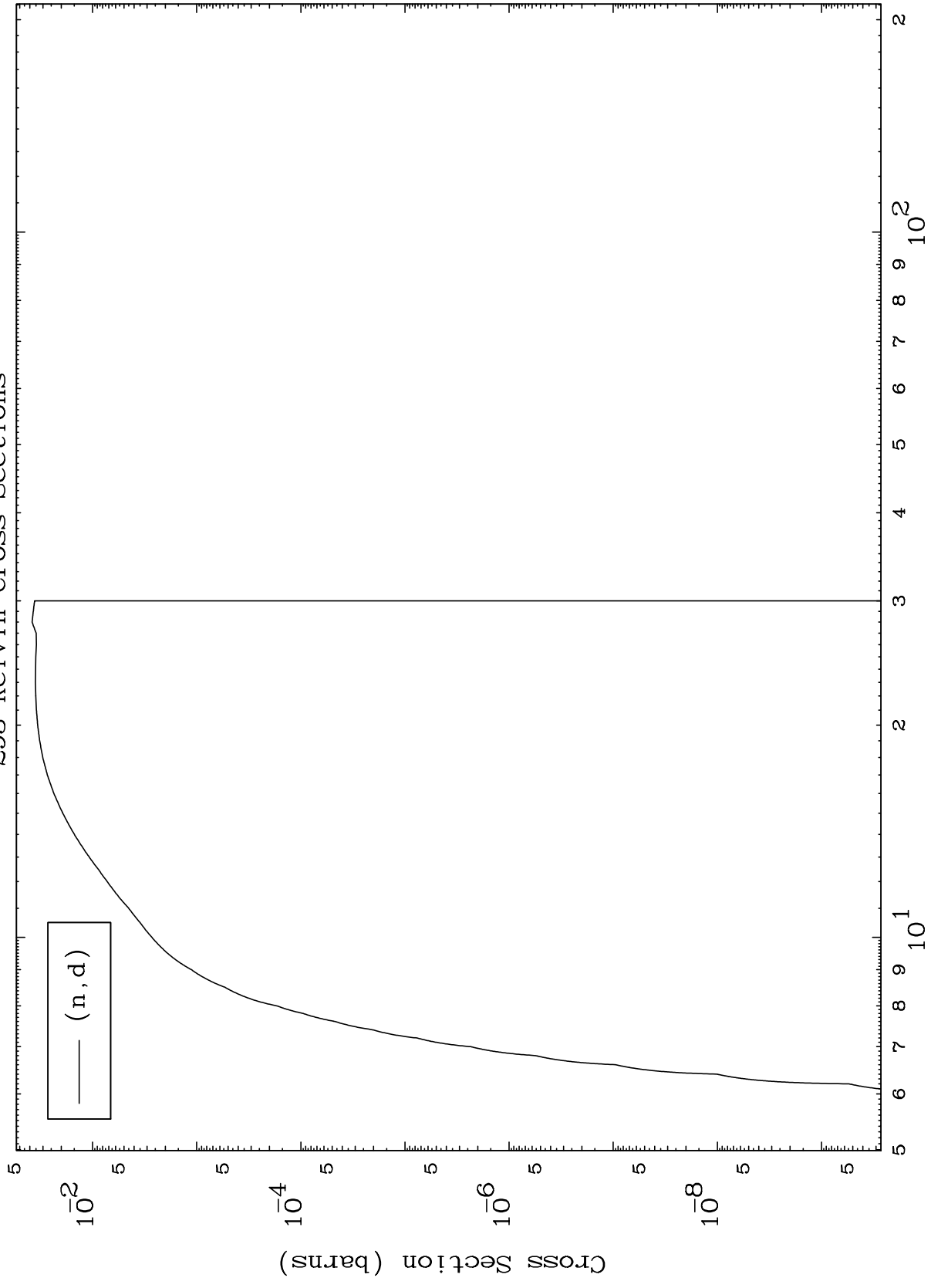
— (n, p)



MAT 2619

(n,d) Levels  
293 Kelvin Cross Sections

26-Fe-52



8

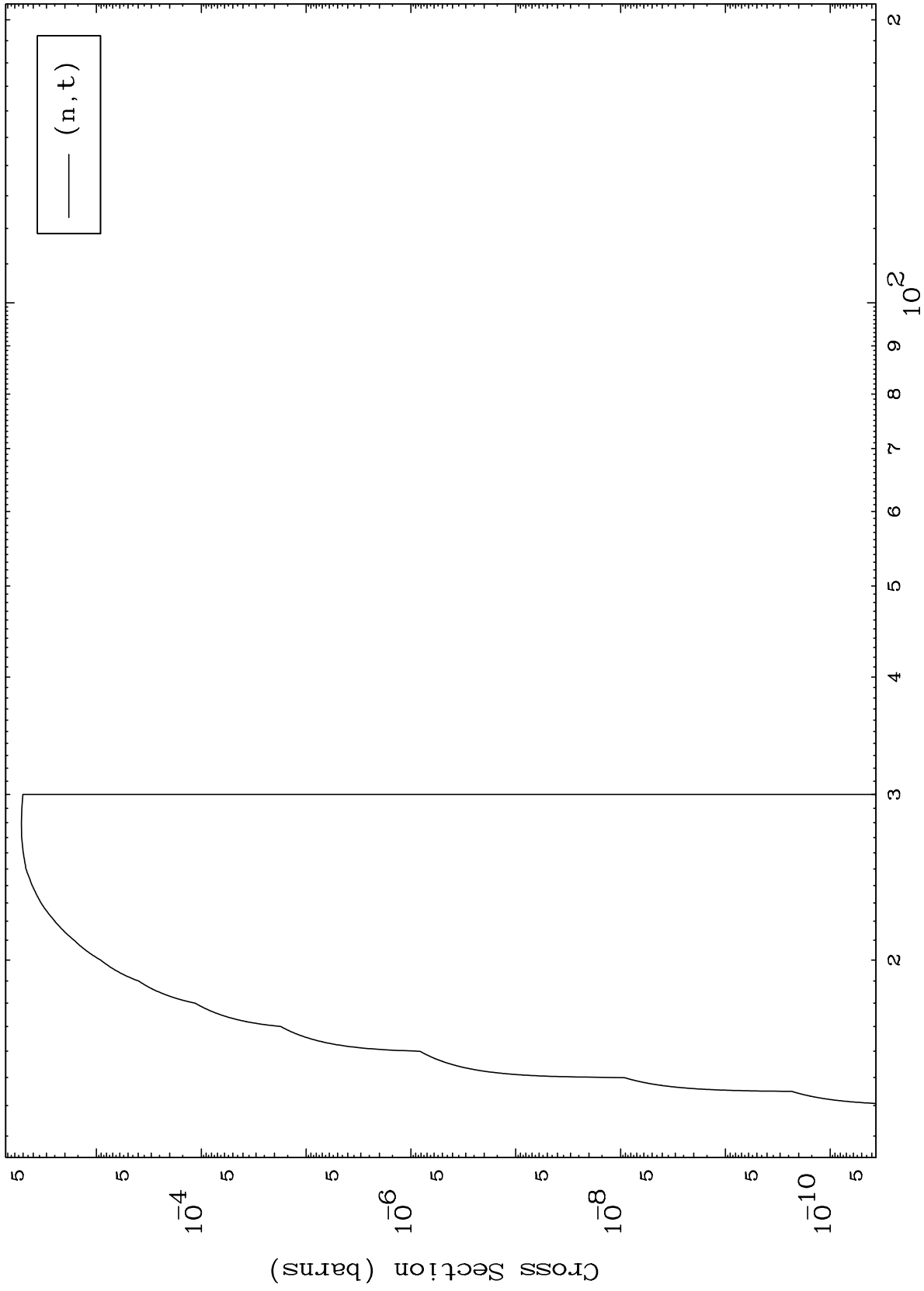
Incident Energy (MeV)

26-Fe-52

MAT 2619

(n,t) Levels  
293 Kelvin Cross Sections

26-Fe-52



9

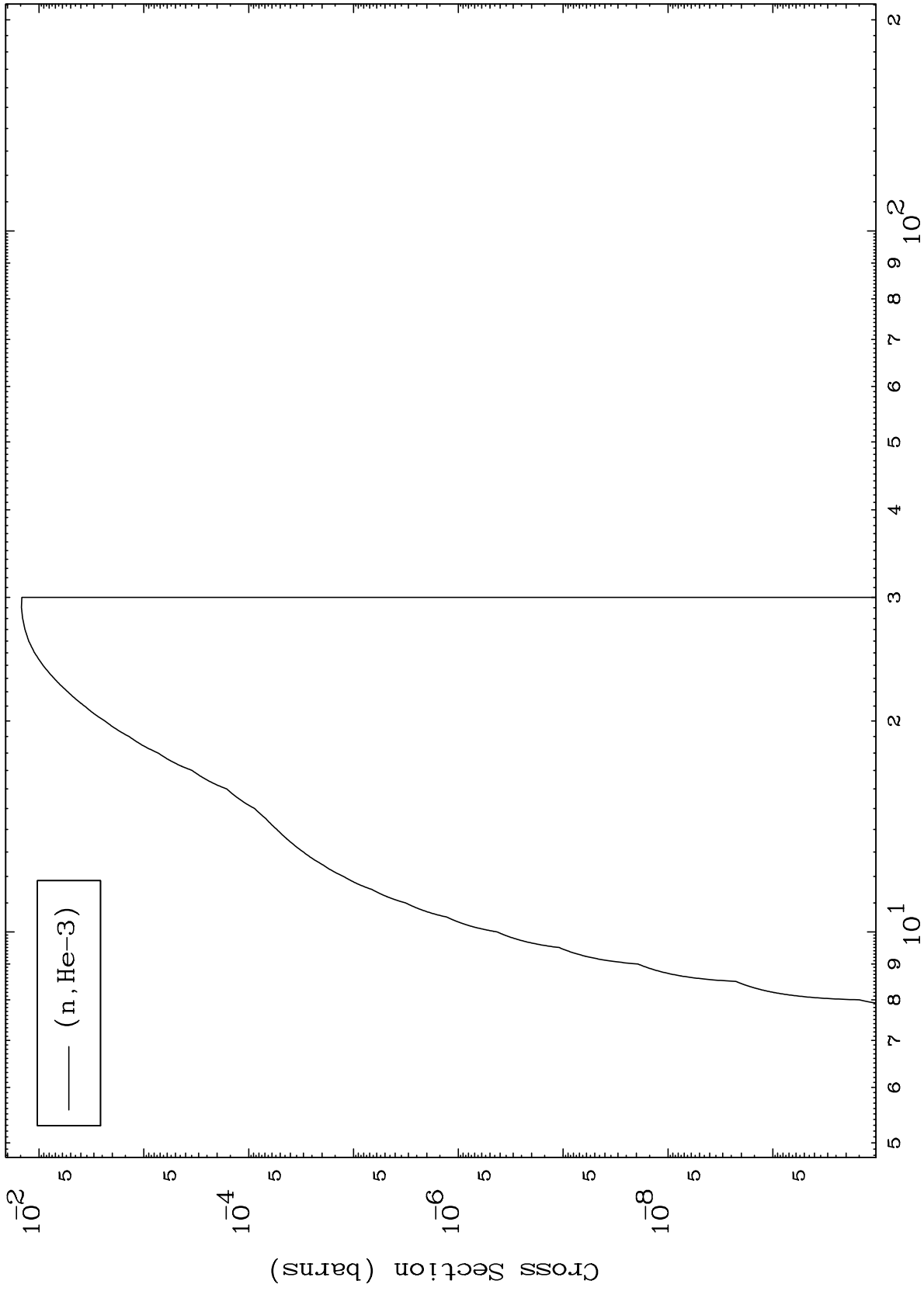
Incident Energy (MeV)

26-Fe-52

MAT 2619

(n,He3) Levels  
293 Kelvin Cross Sections

26-Fe-52



10

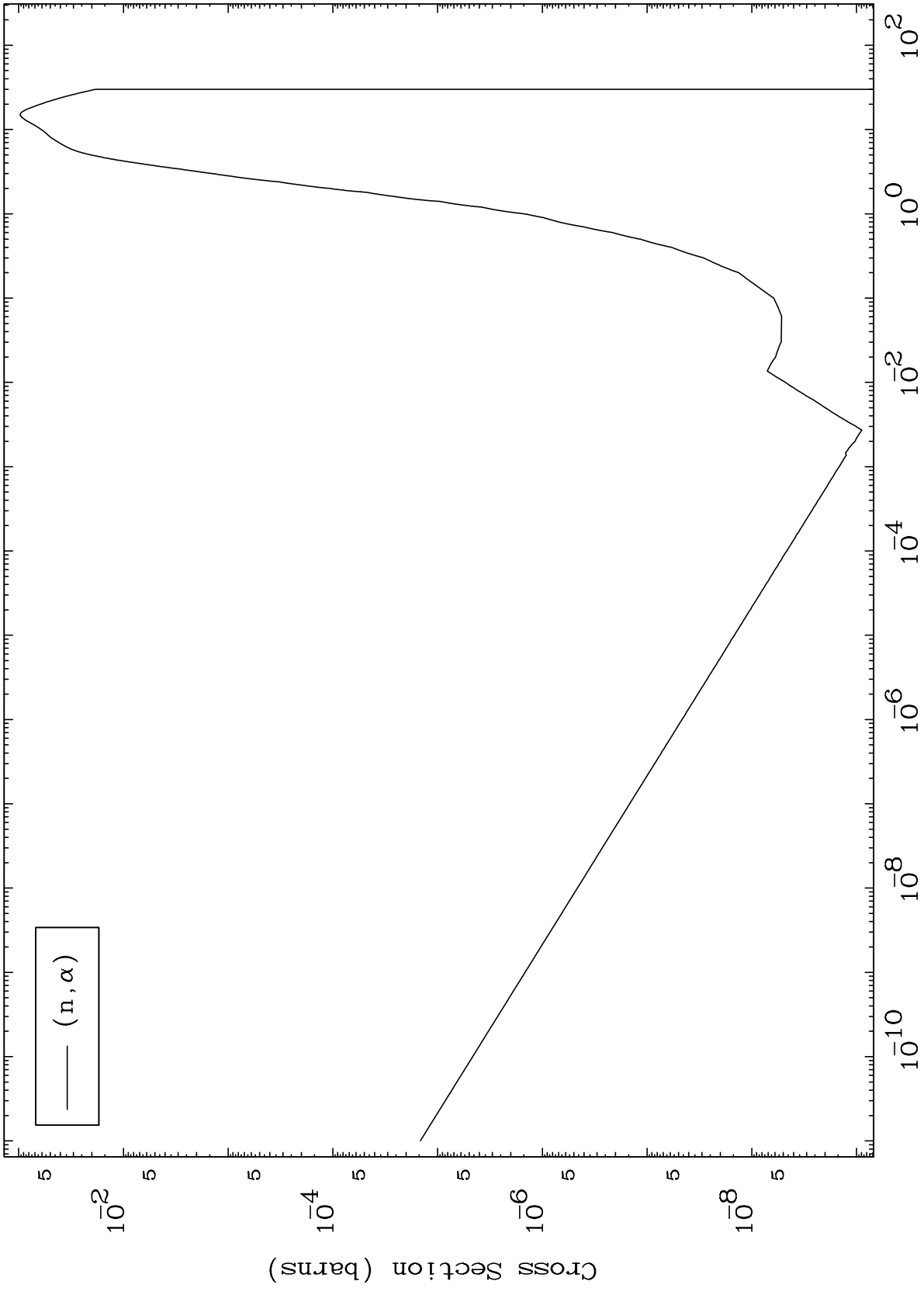
Incident Energy (MeV)

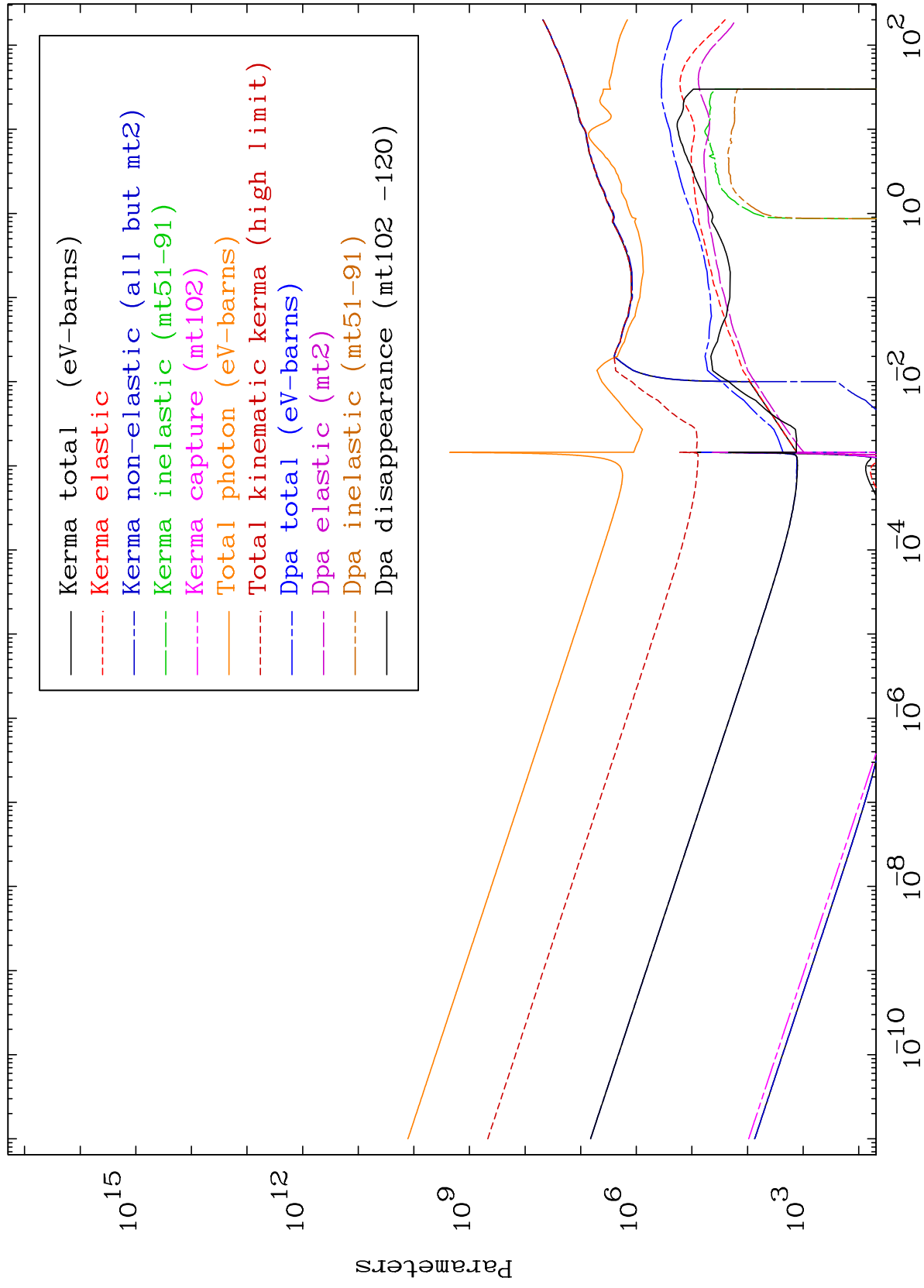
26-Fe-52

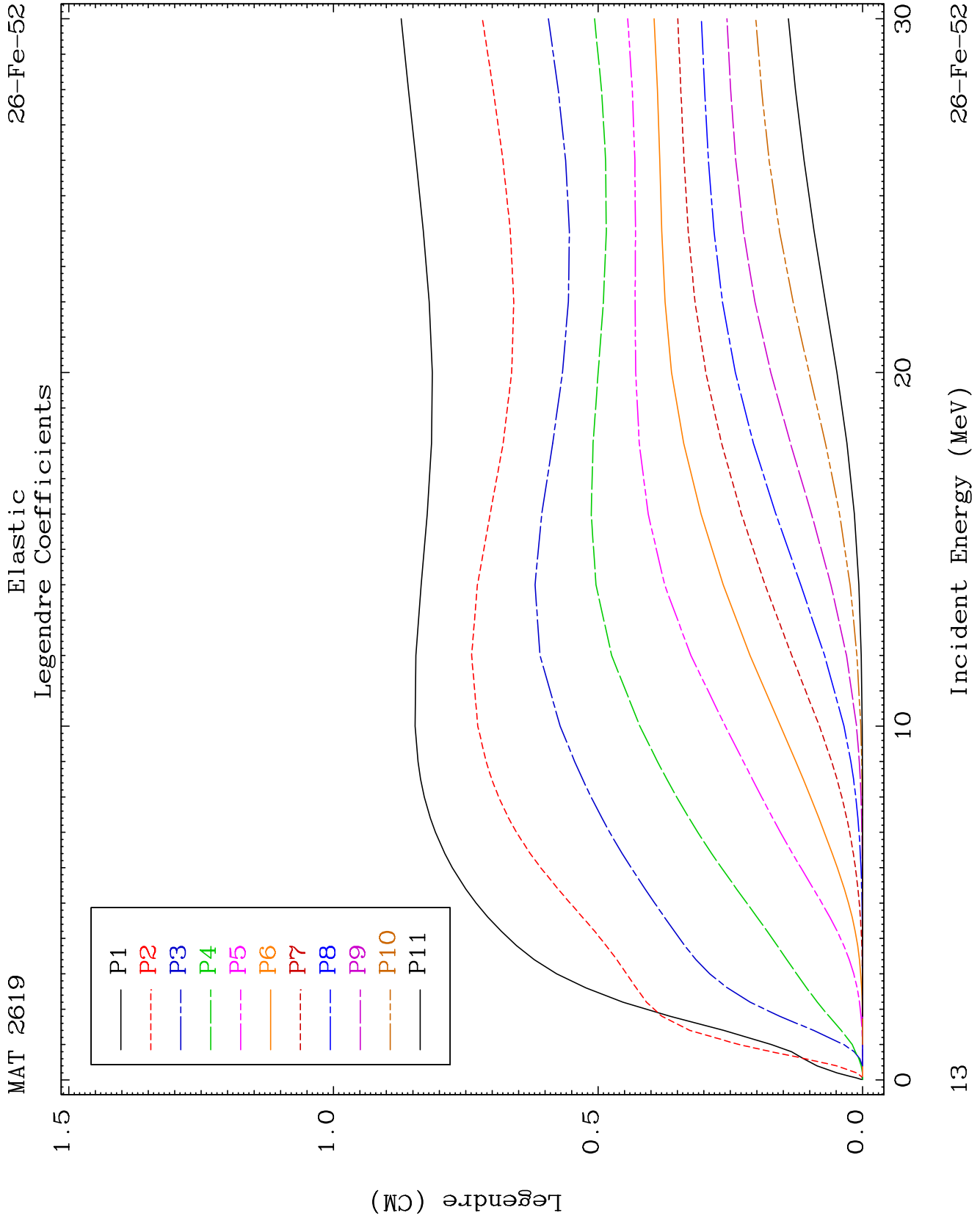
MAT 2619

(n,α) Levels  
293 Kelvin Cross Sections

26-Fe-52



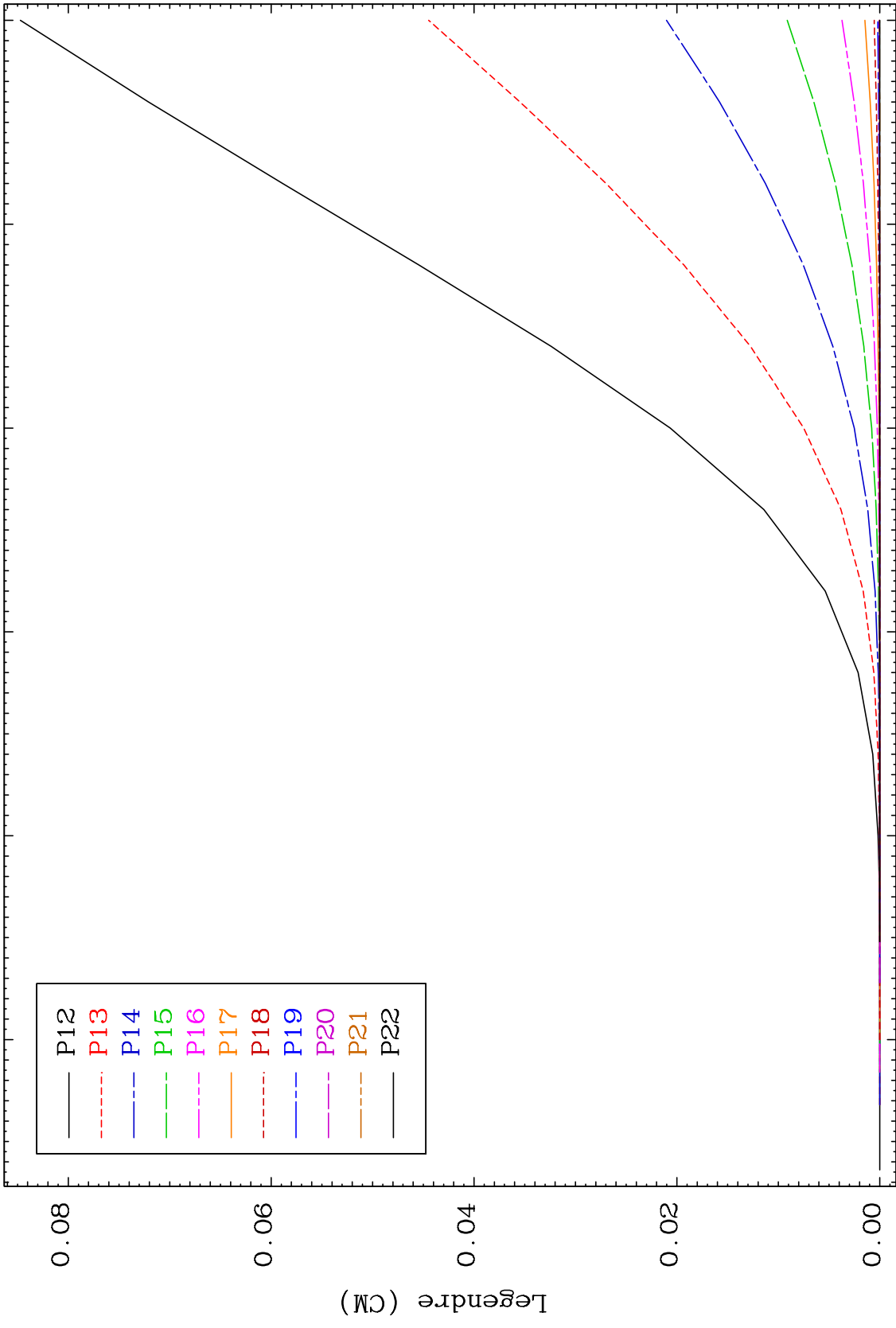




MAT 2619

Elastic Legendre Coefficients

<sup>26</sup>Fe-52



14

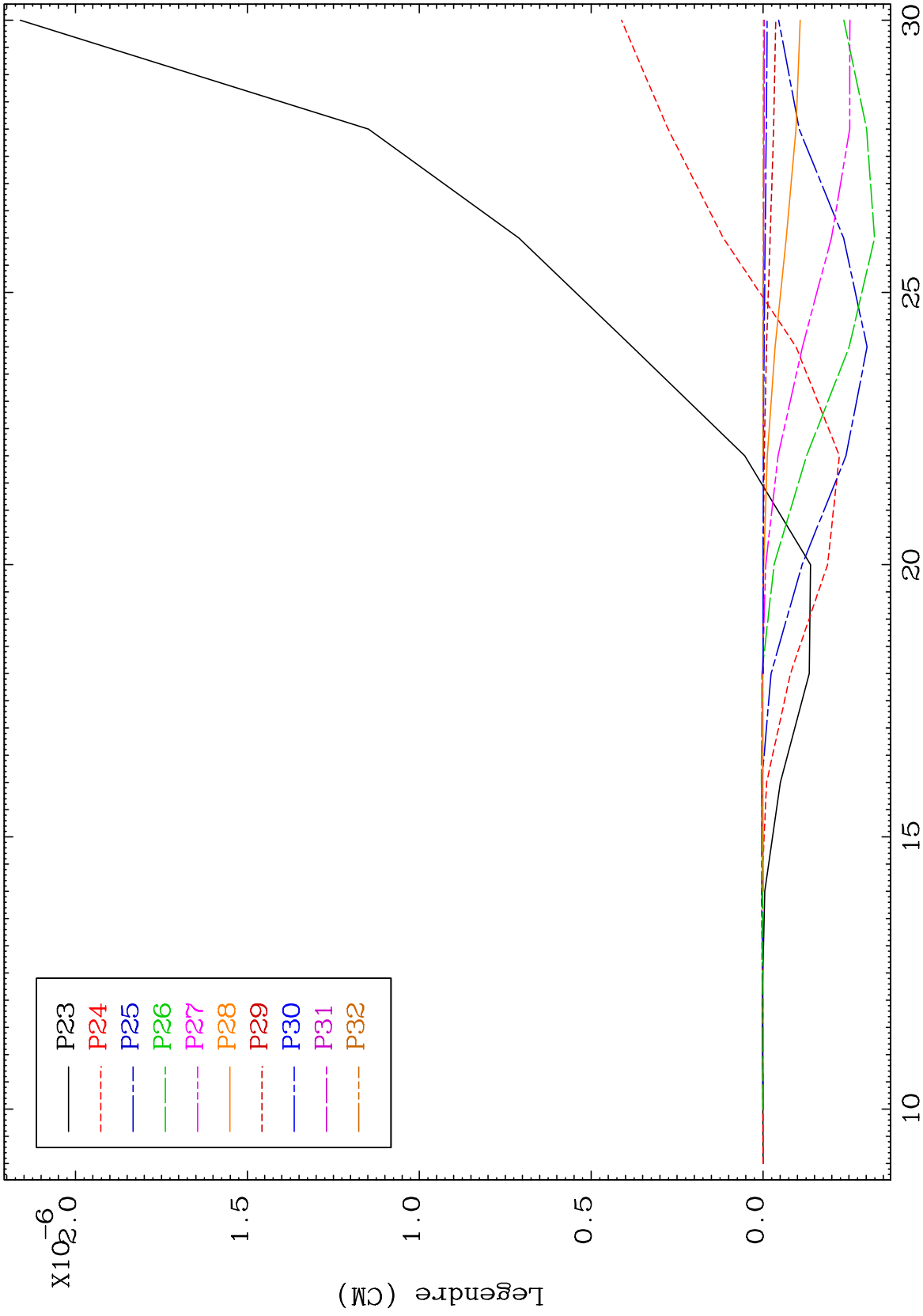
Incident Energy (MeV)

<sup>26</sup>Fe-52

MAT 2619

Elastic Legendre Coefficients

26-Fe-52



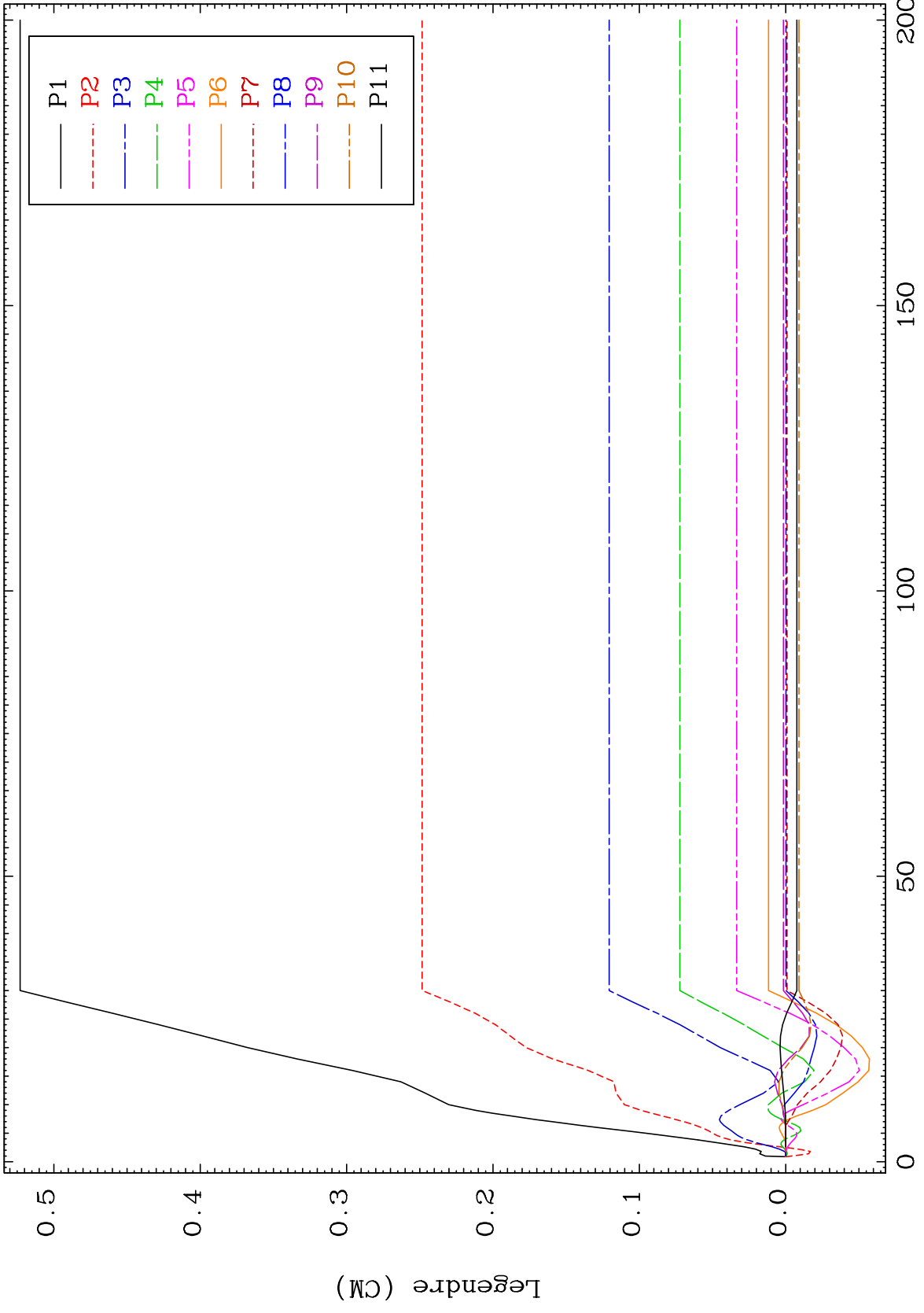
15

Incident Energy (MeV)

26-Fe-52



MAT 2619 MT= 51 (n,n') Level Legendre Coefficients 26-Fe-52

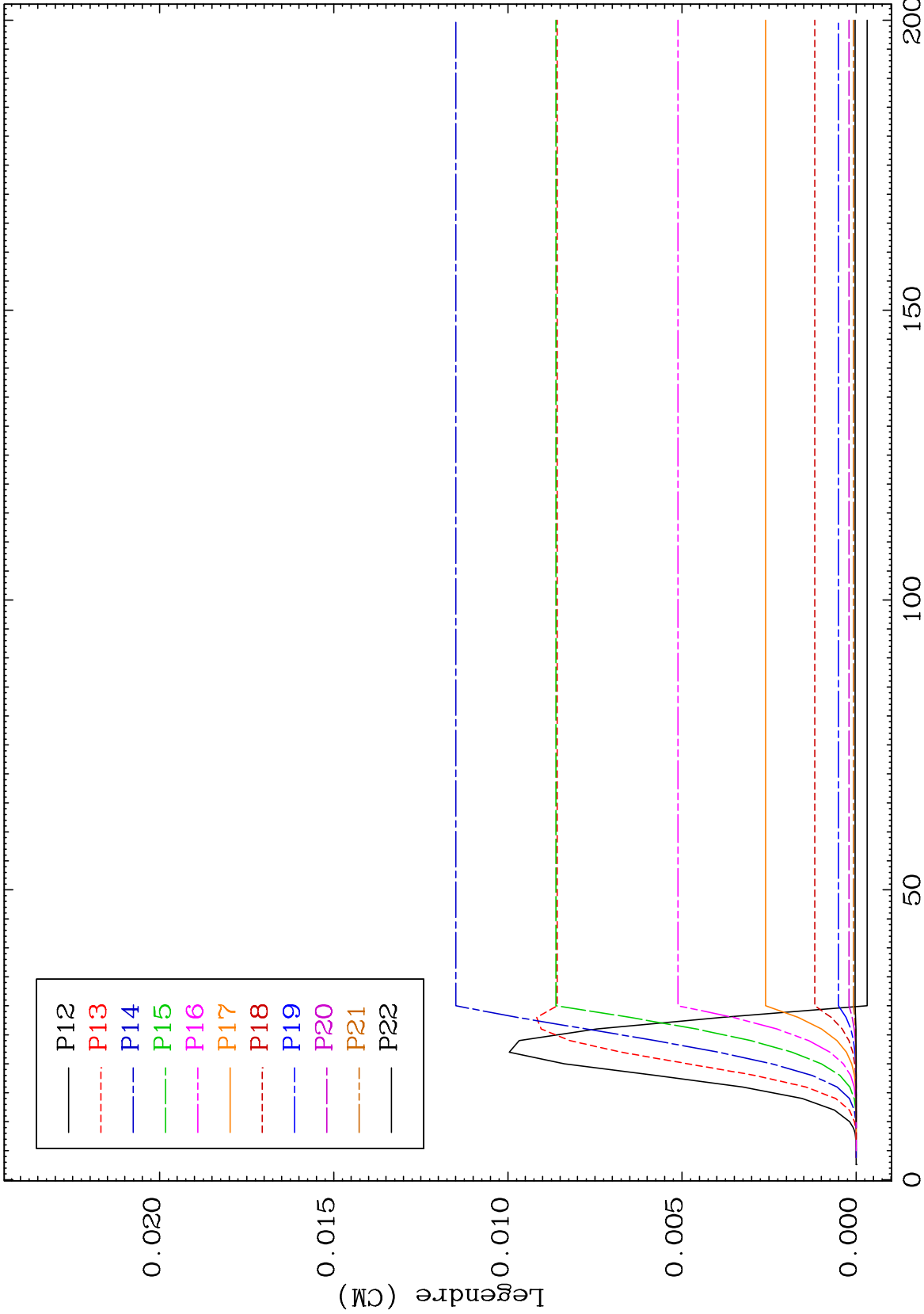


16 Incident Energy (MeV) 26-Fe-52

MAT 2619

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

26-Fe-52



17

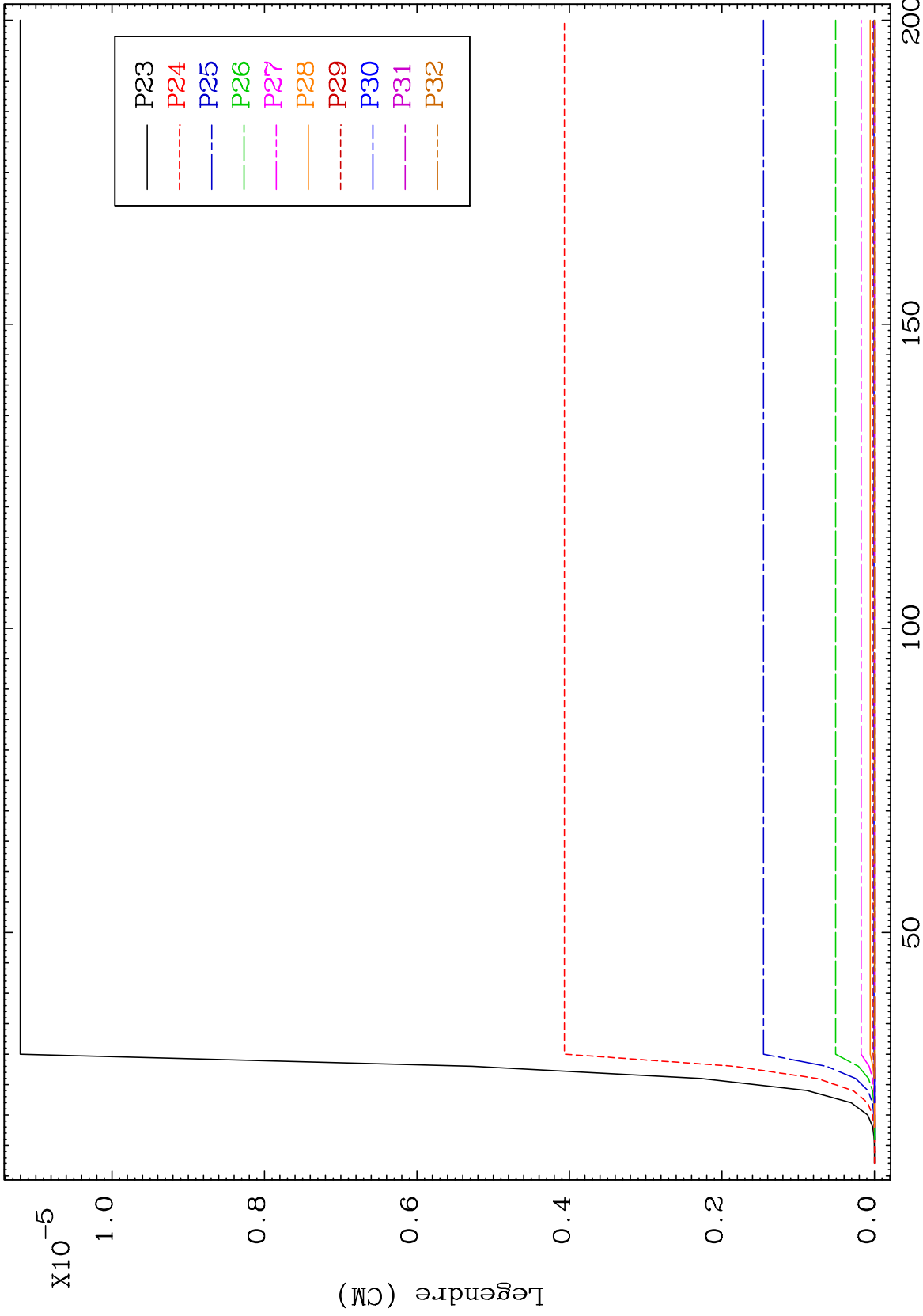
Incident Energy (MeV)

26-Fe-52

MAT 2619

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

26-Fe-52



18

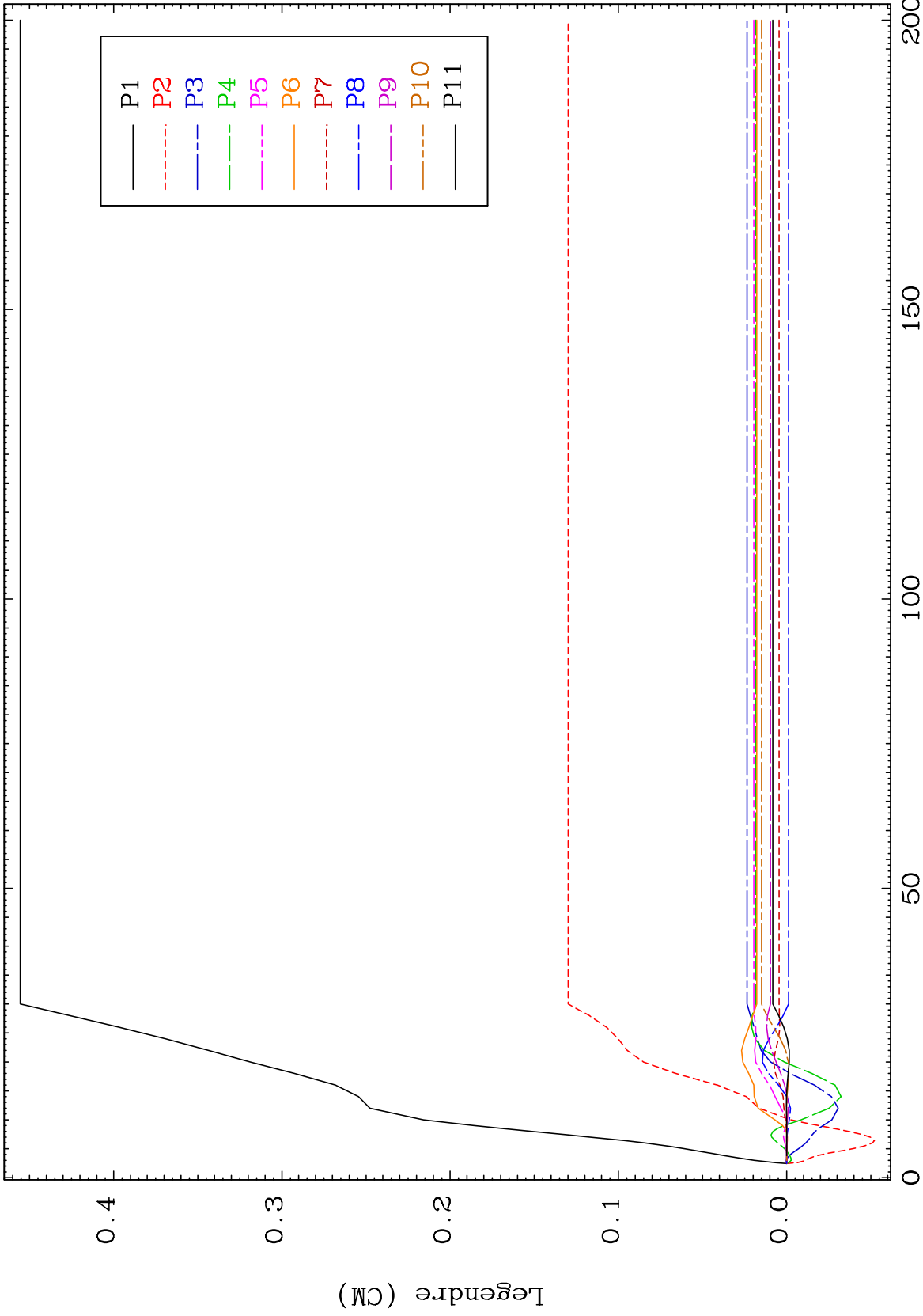
Incident Energy (MeV)

26-Fe-52

MAT 2619

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

26-Fe-52



19

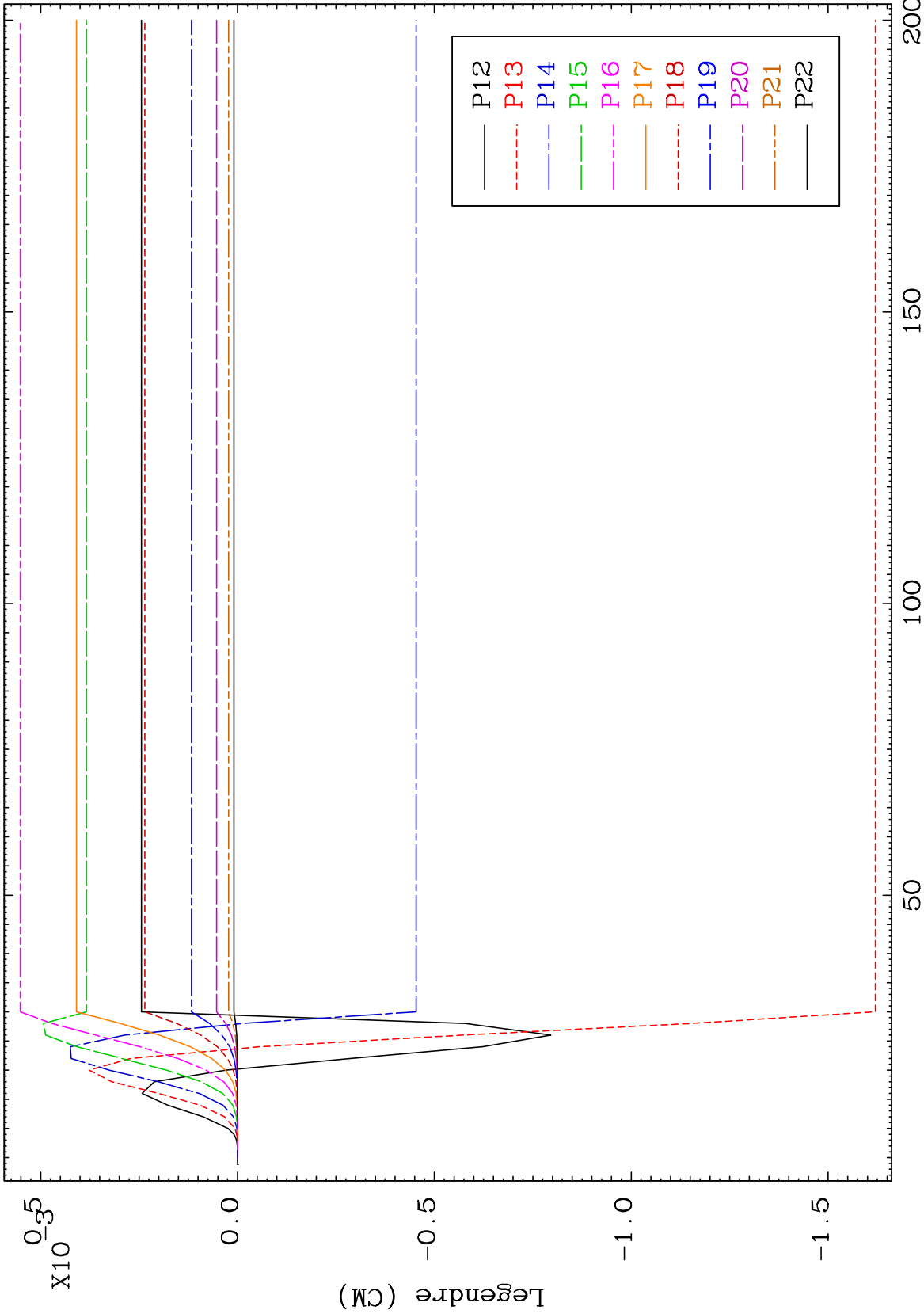
Incident Energy (MeV)

26-Fe-52

MAT 2619

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

26-Fe-52



20

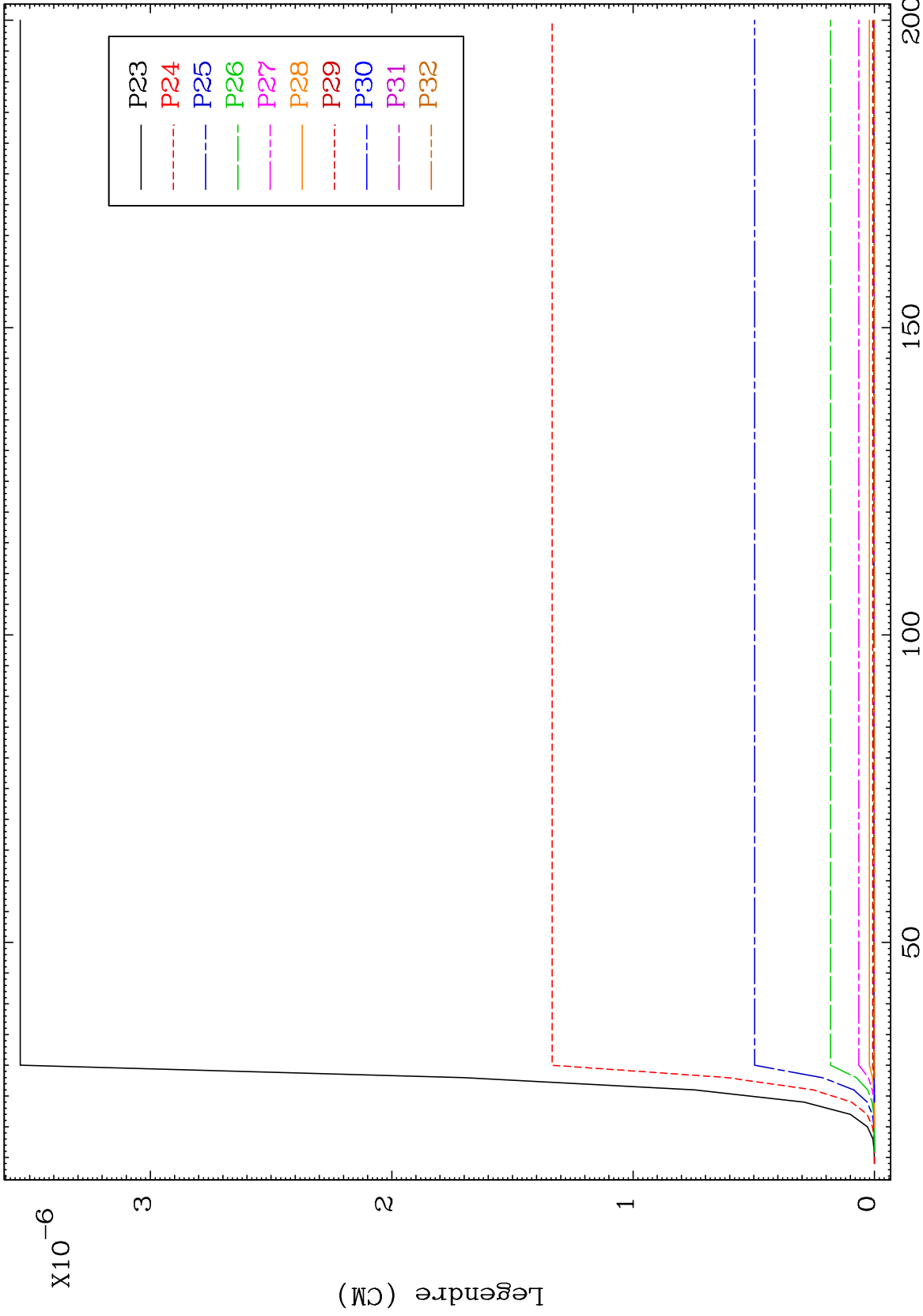
Incident Energy (MeV)

26-Fe-52

MAT 2619

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

26-Fe-52



21

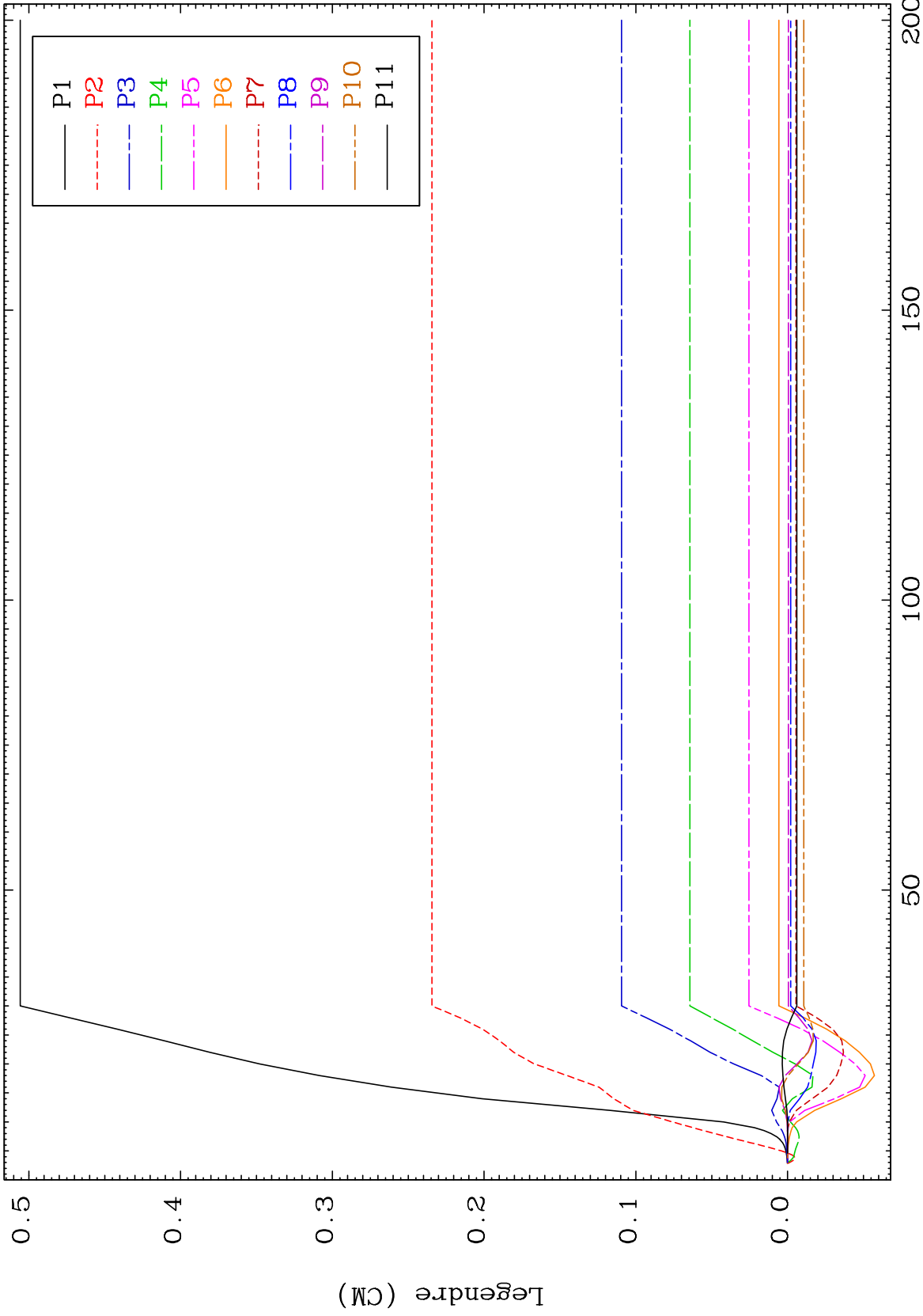
Incident Energy (MeV)

26-Fe-52

MAT 2619

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

26-Fe-52



22

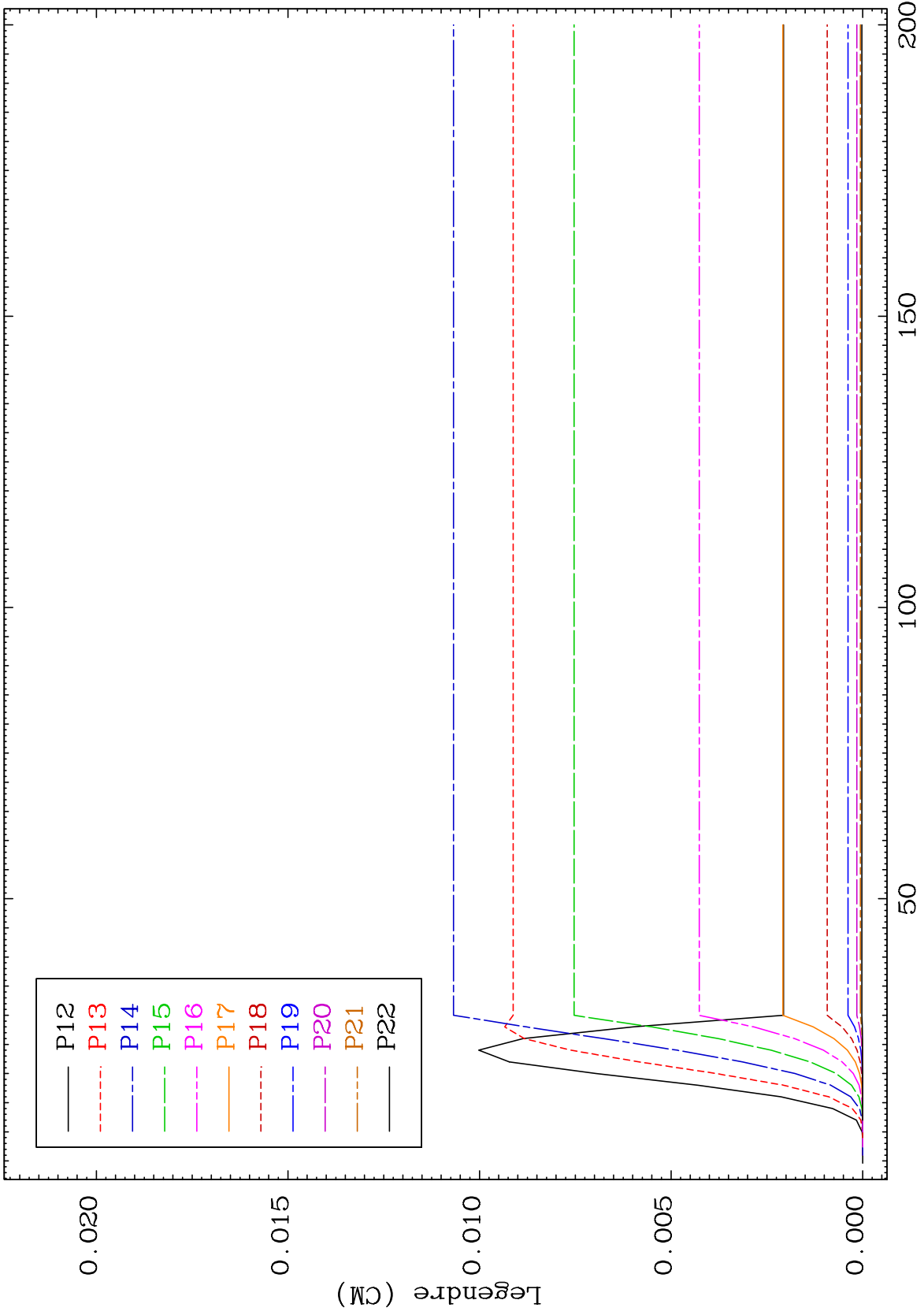
Incident Energy (MeV)

26-Fe-52

MAT 2619

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

<sup>26</sup>Fe-52



23

Incident Energy (MeV)

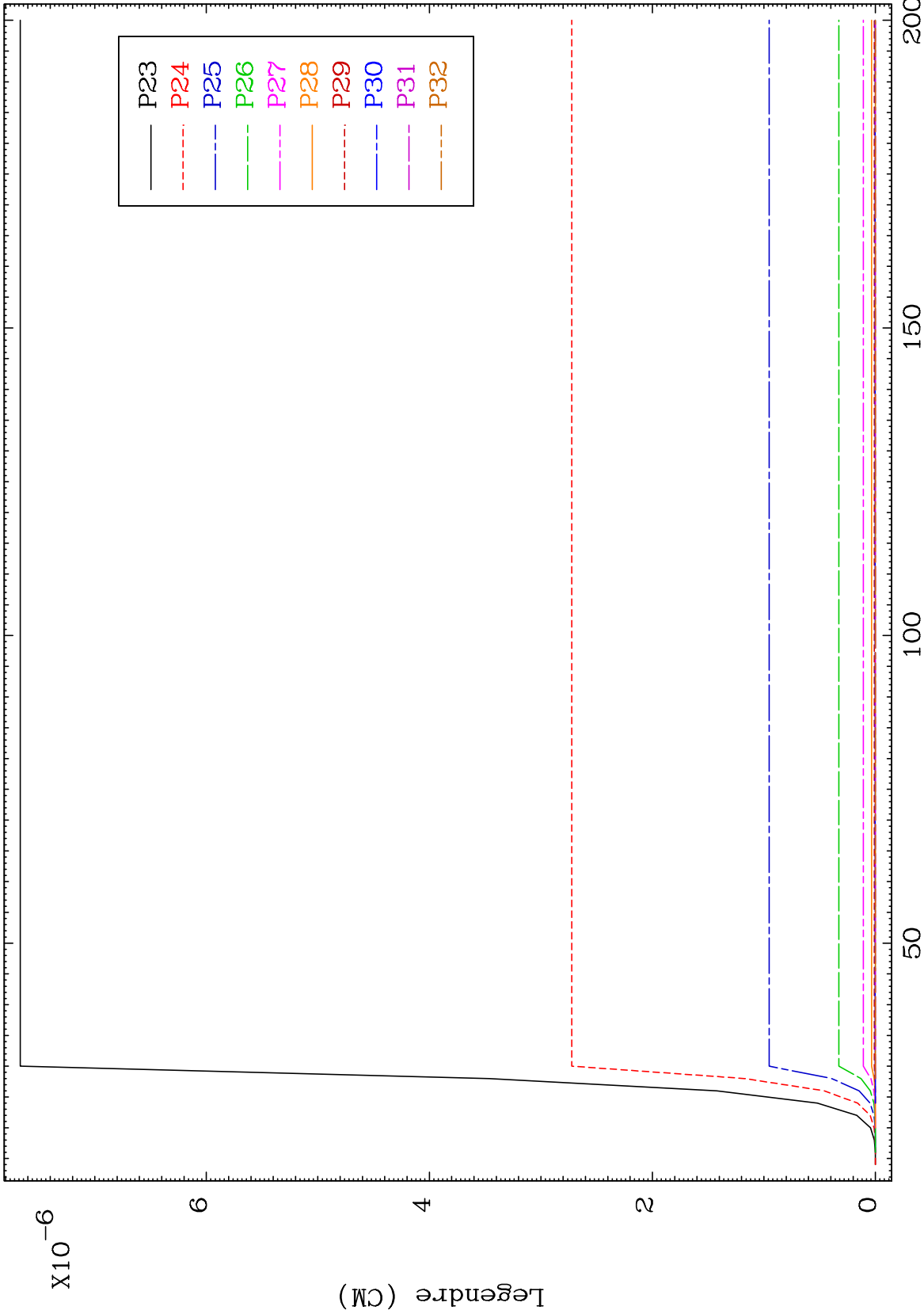
<sup>26</sup>Fe-52



MAT 2619

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

26-Fe-52



24

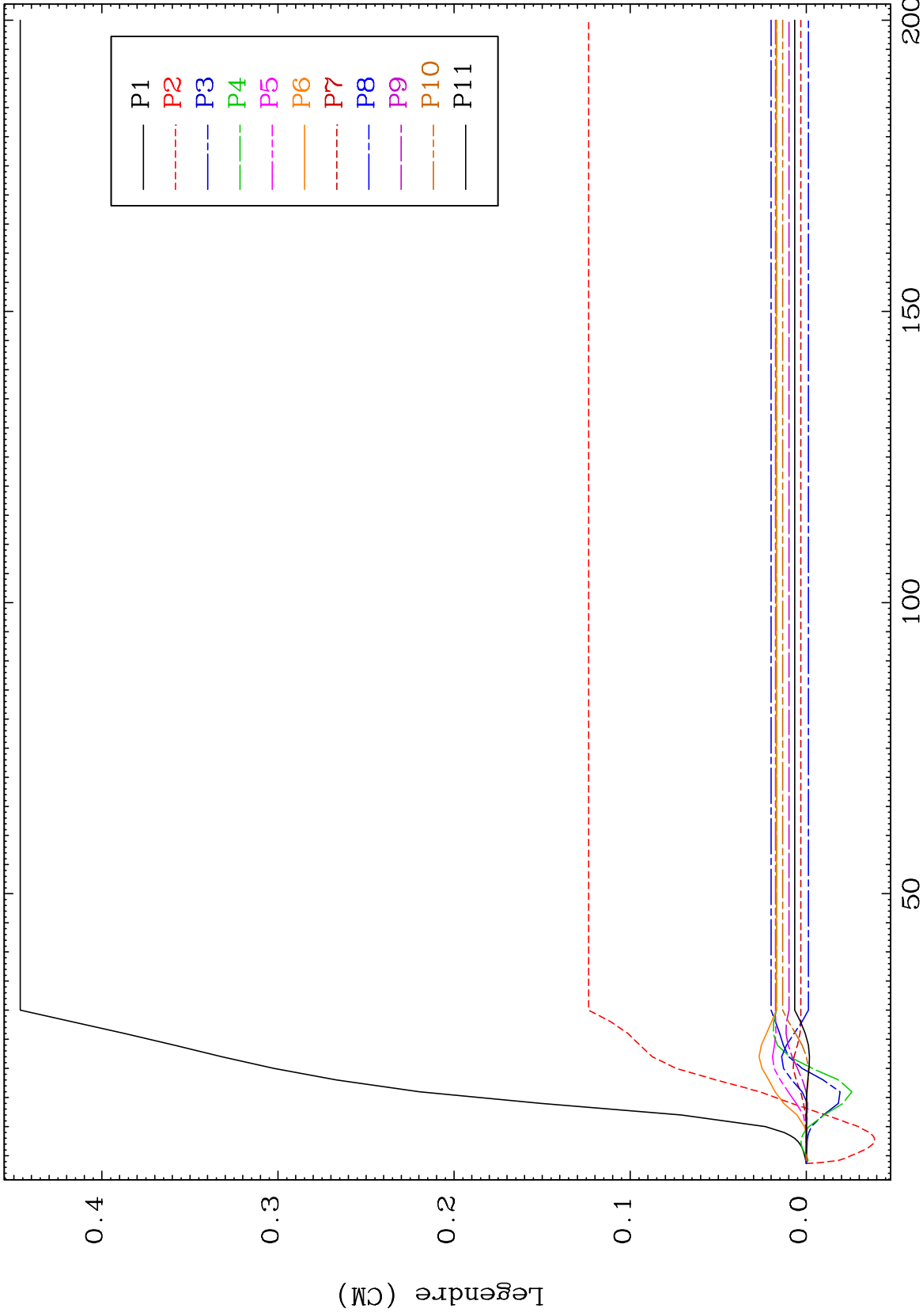
Incident Energy (MeV)

26-Fe-52

MAT 2619

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

26-Fe-52



25

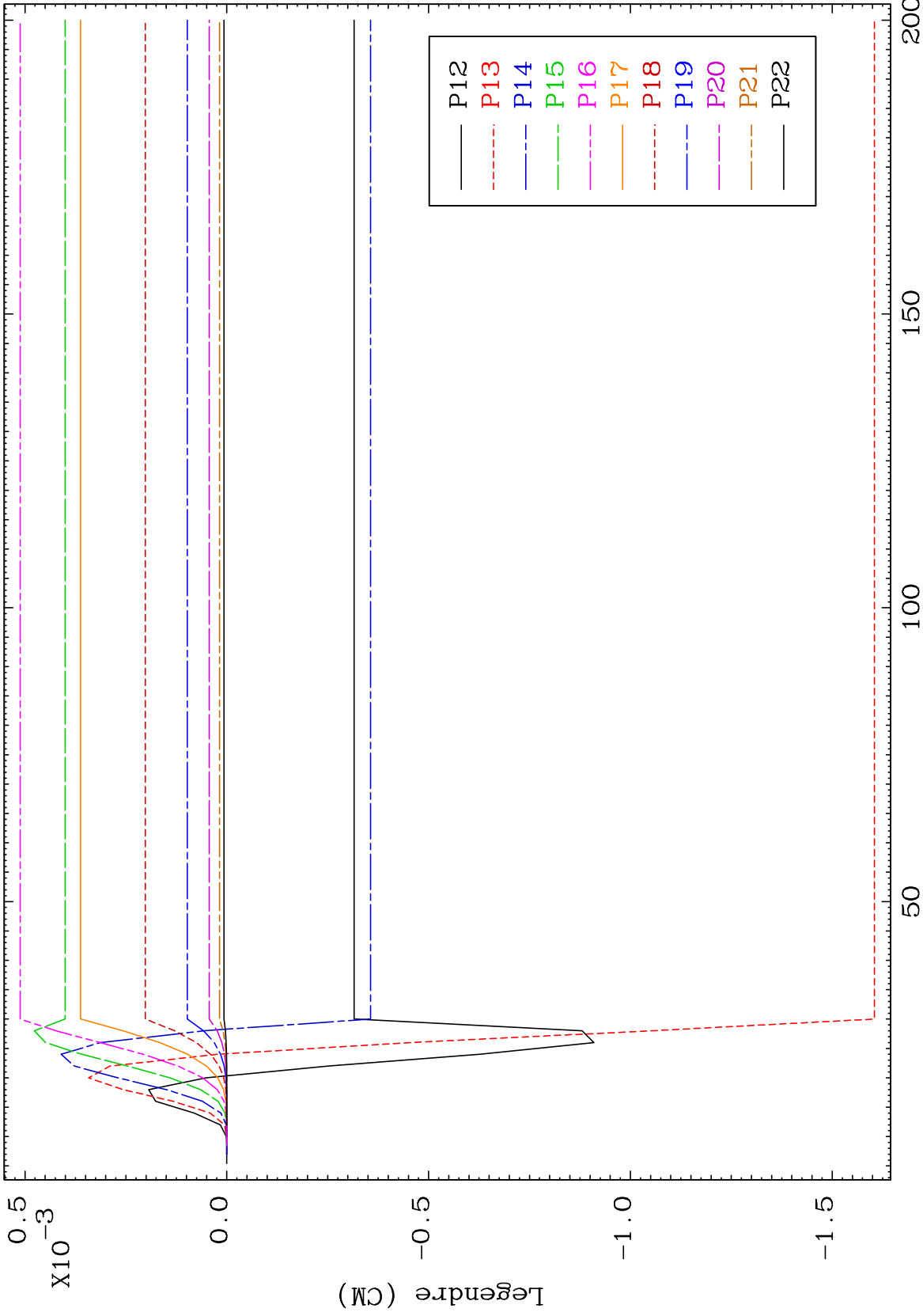
Incident Energy (MeV)

26-Fe-52

MAT 2619

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

26-Fe-52



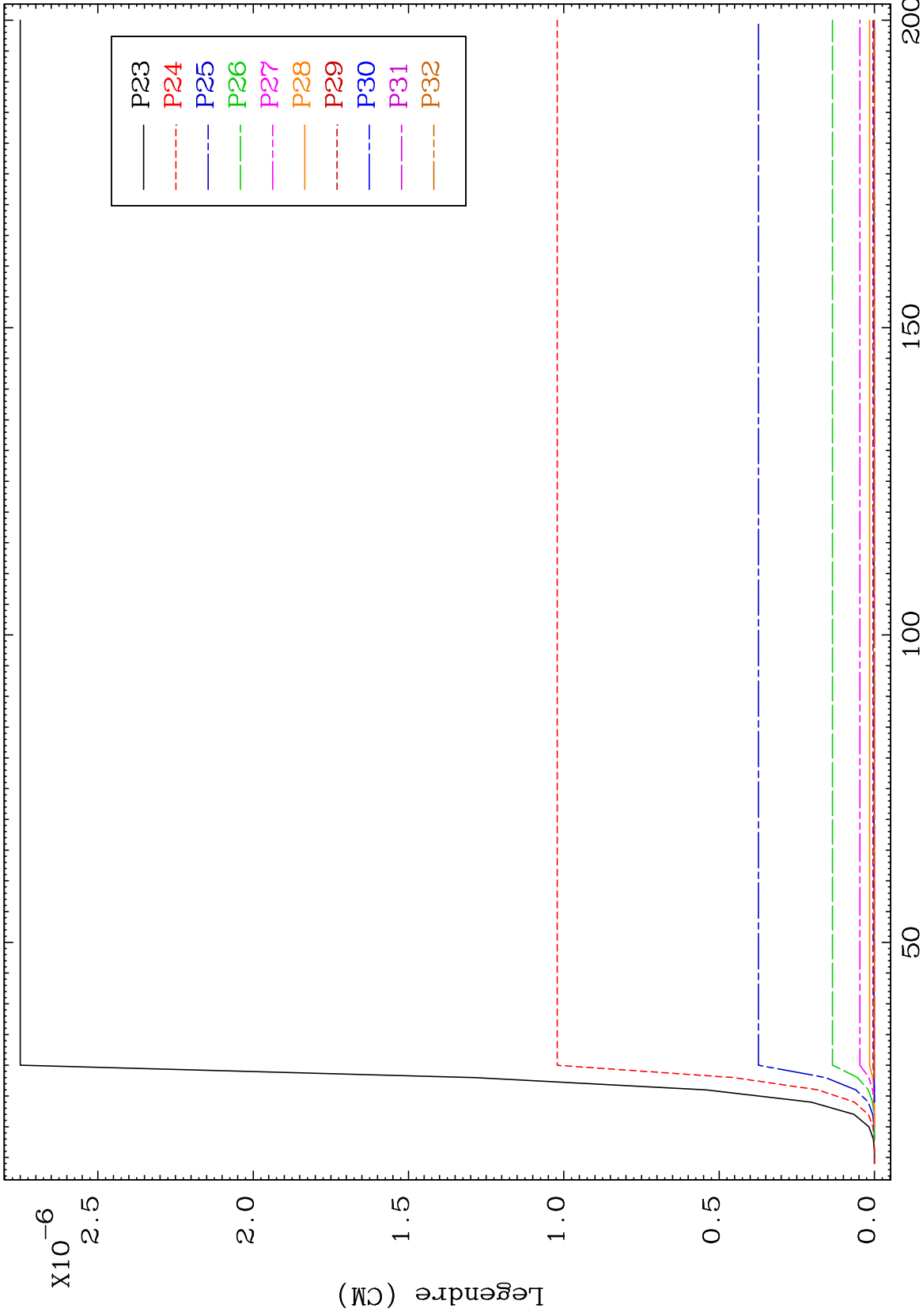
26

26-Fe-52

MAT 2619

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

26-Fe-52

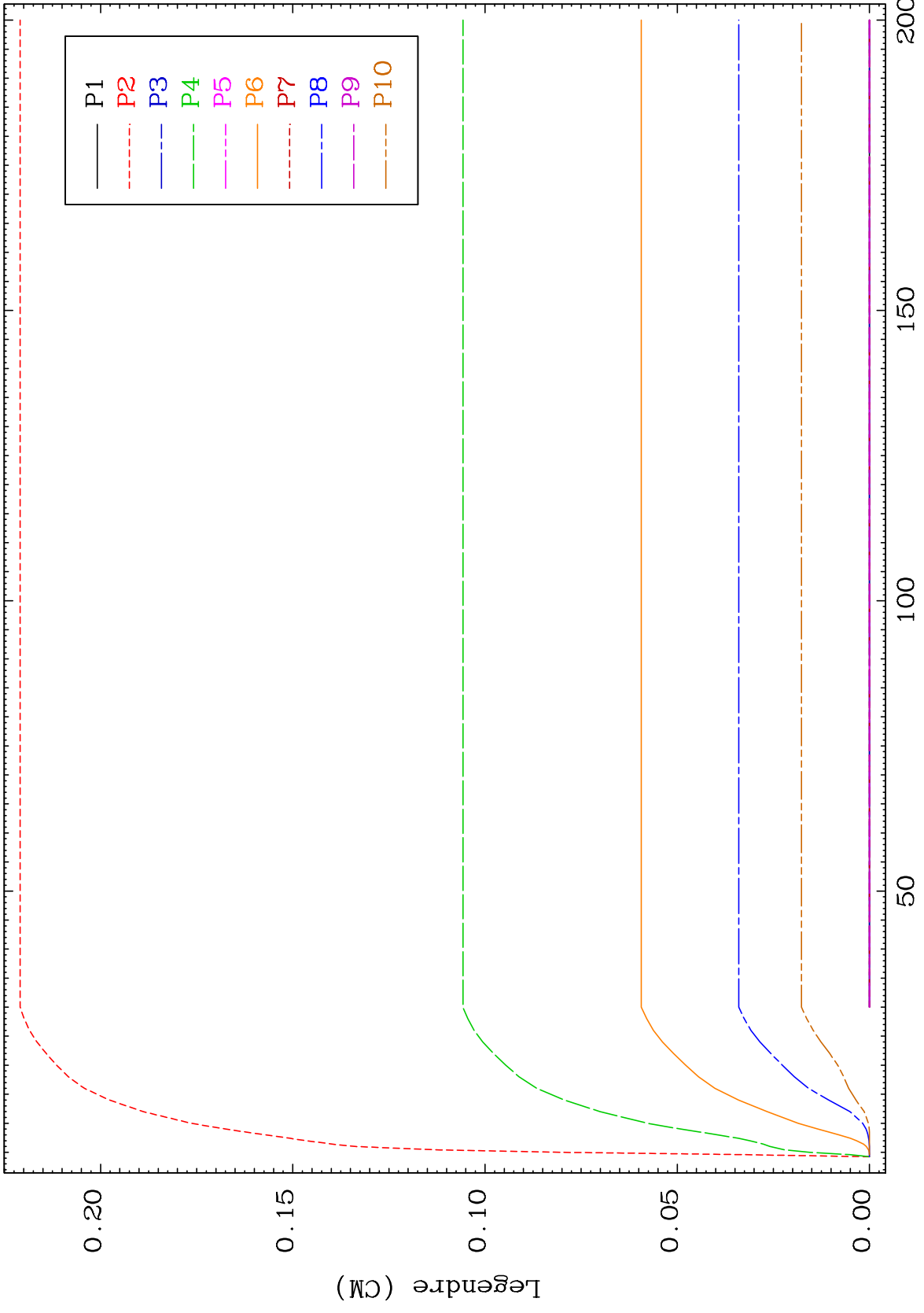


27

Incident Energy (MeV)

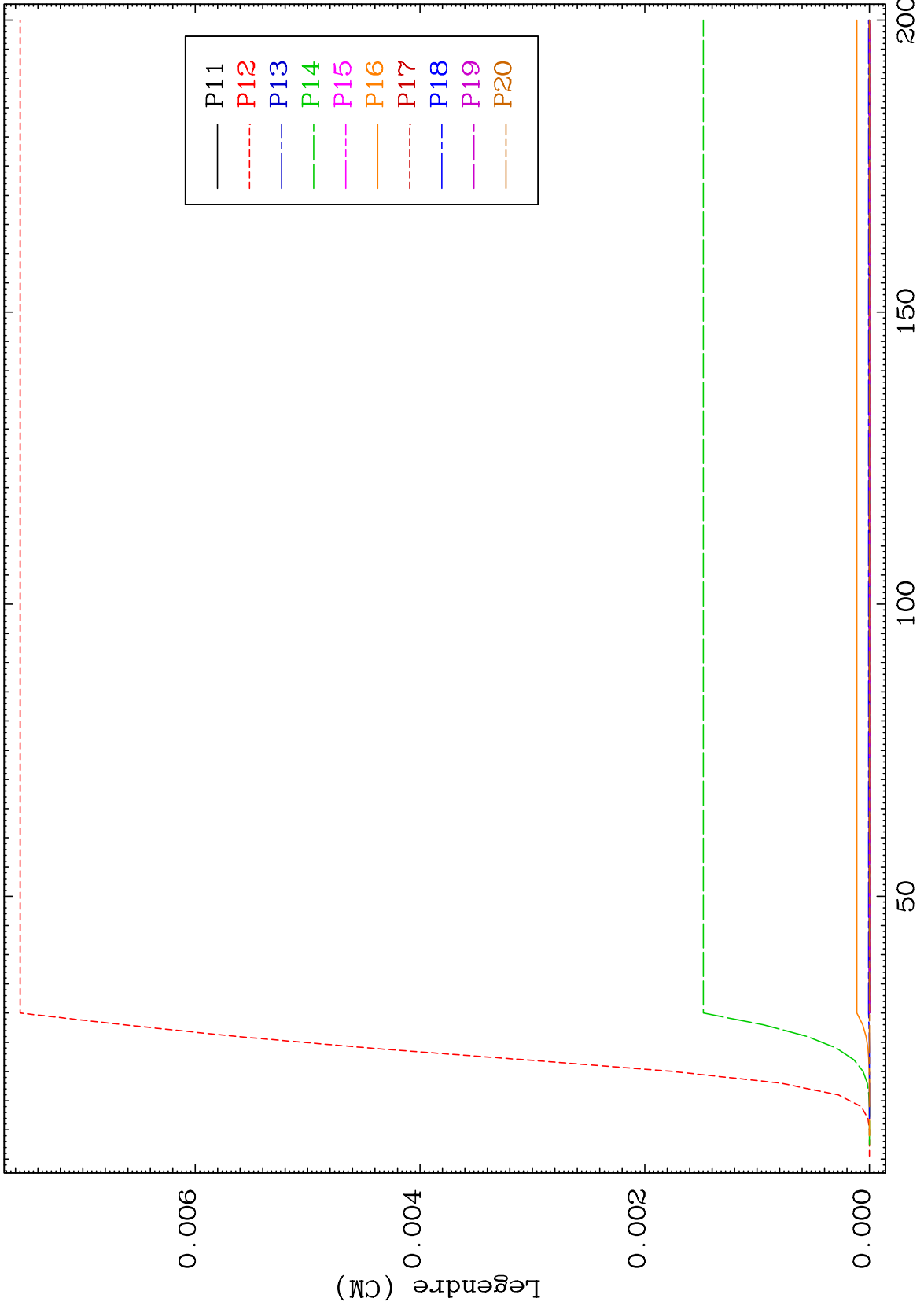
26-Fe-52

MAT 2619 MT= 55 (n,n') Level Legendre Coefficients 26-Fe-52



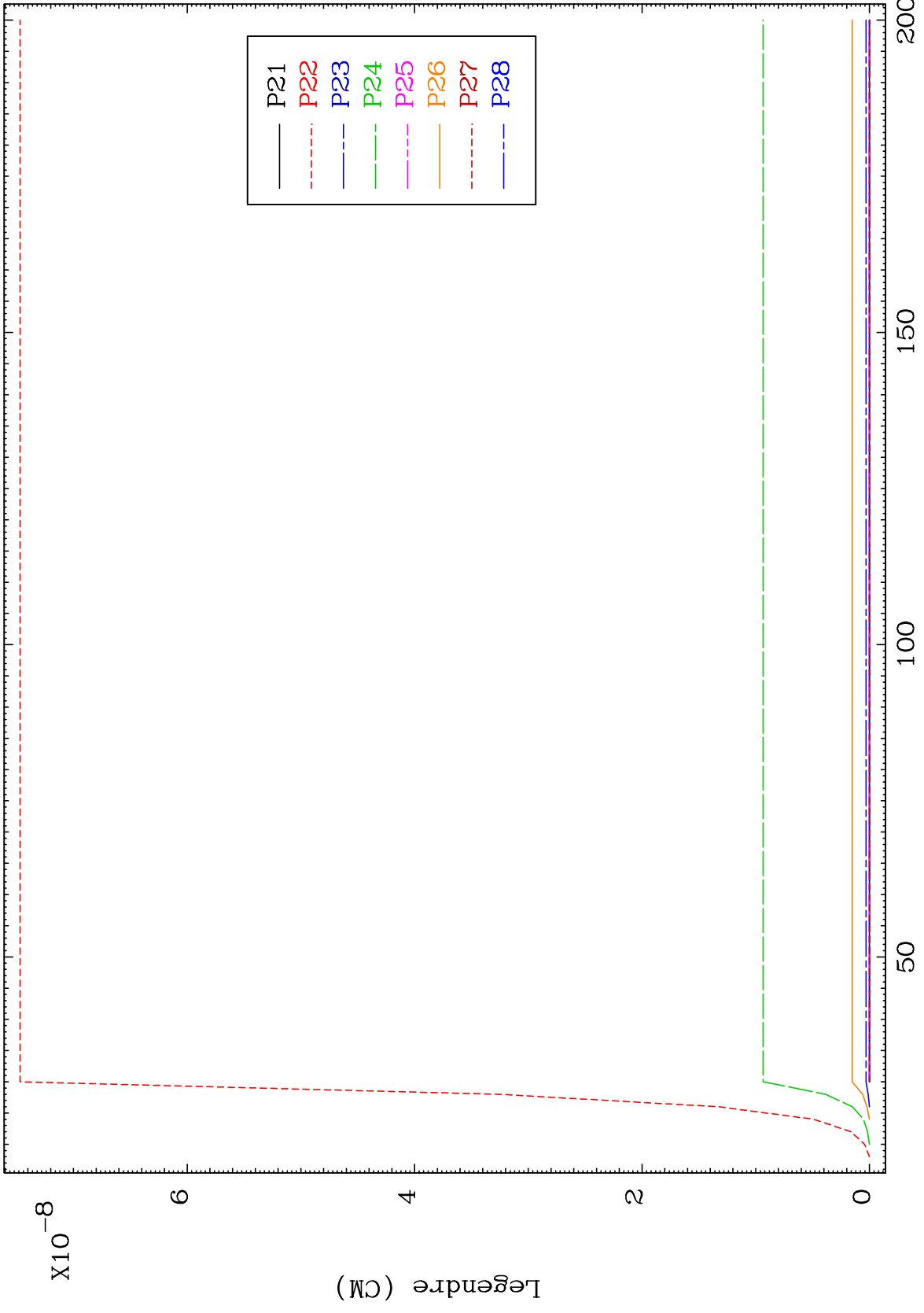
28 50 100 150 200 26-Fe-52

MAT 2619 MT= 55 (n,n') Level Legendre Coefficients 26-Fe-52



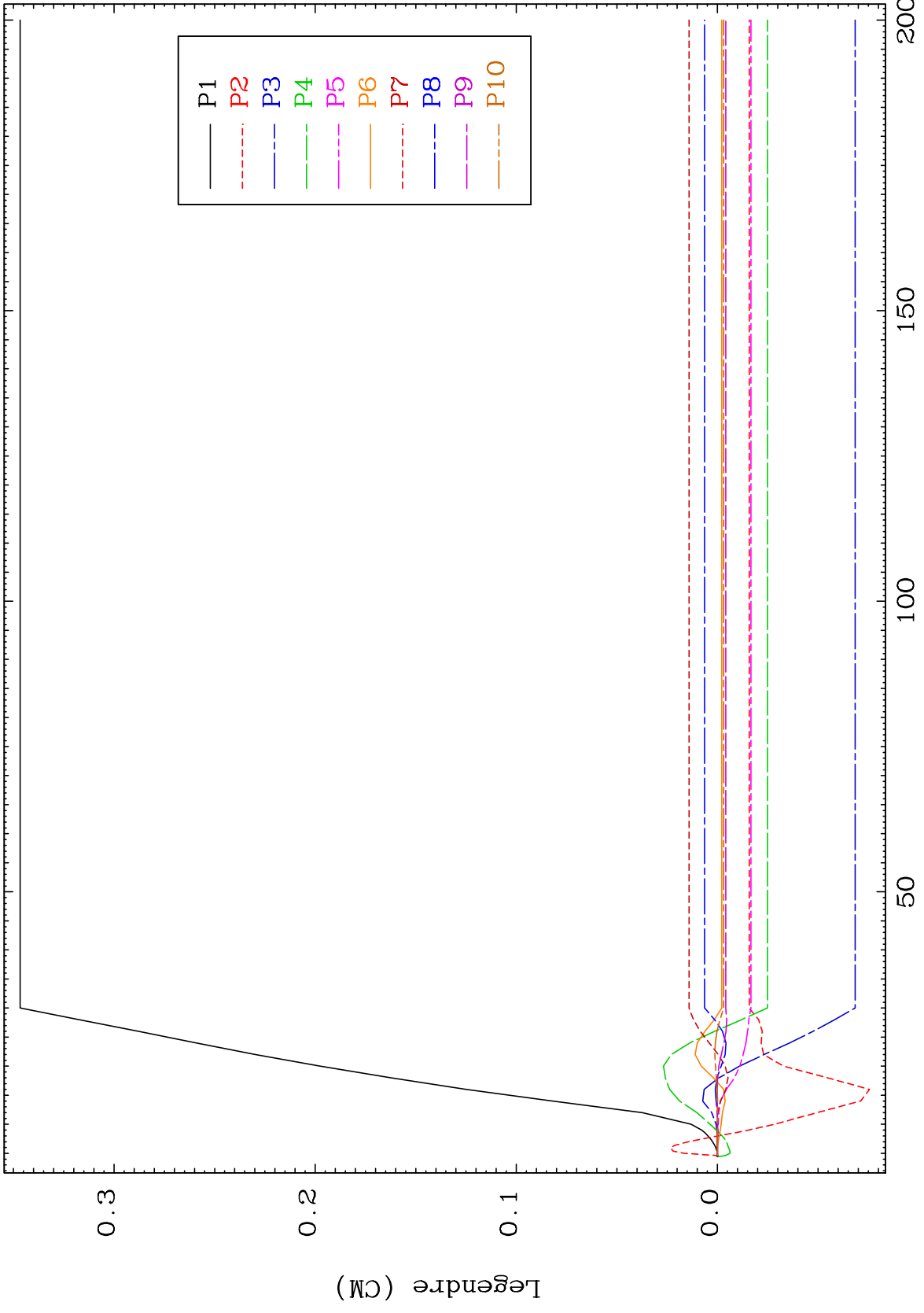
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MAT 2619 MT= 55 (n,n') Level Legendre Coefficients 26-Fe-52



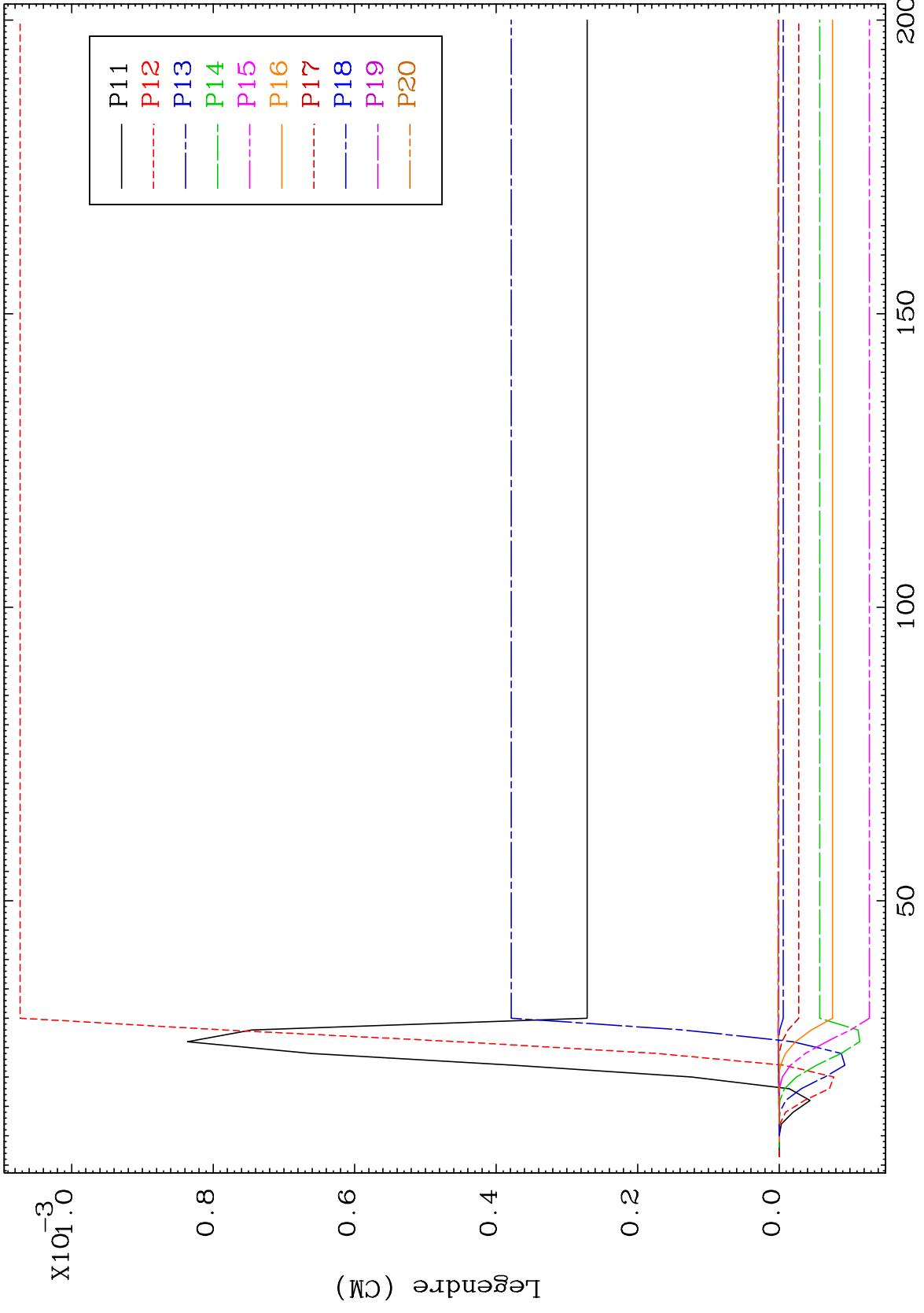
30 50 100 150 200 26-Fe-52

MAT 2619 MT= 56 (n,n') Level Legendre Coefficients 26-Fe-52





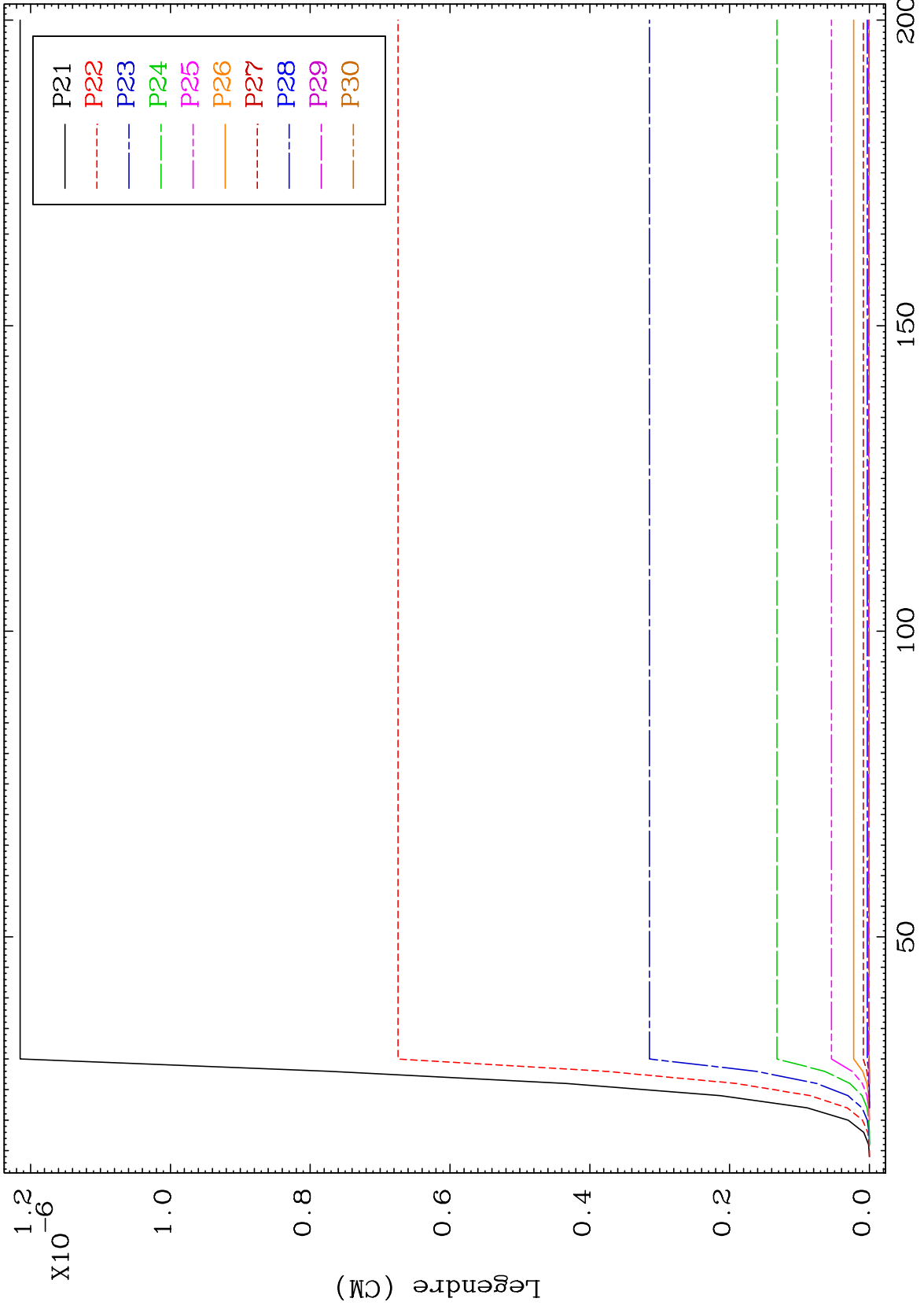
MAT 2619 MT= 56 (n,n') Level Legendre Coefficients 26-Fe-52



MAT 2619

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

26-Fe-52



33

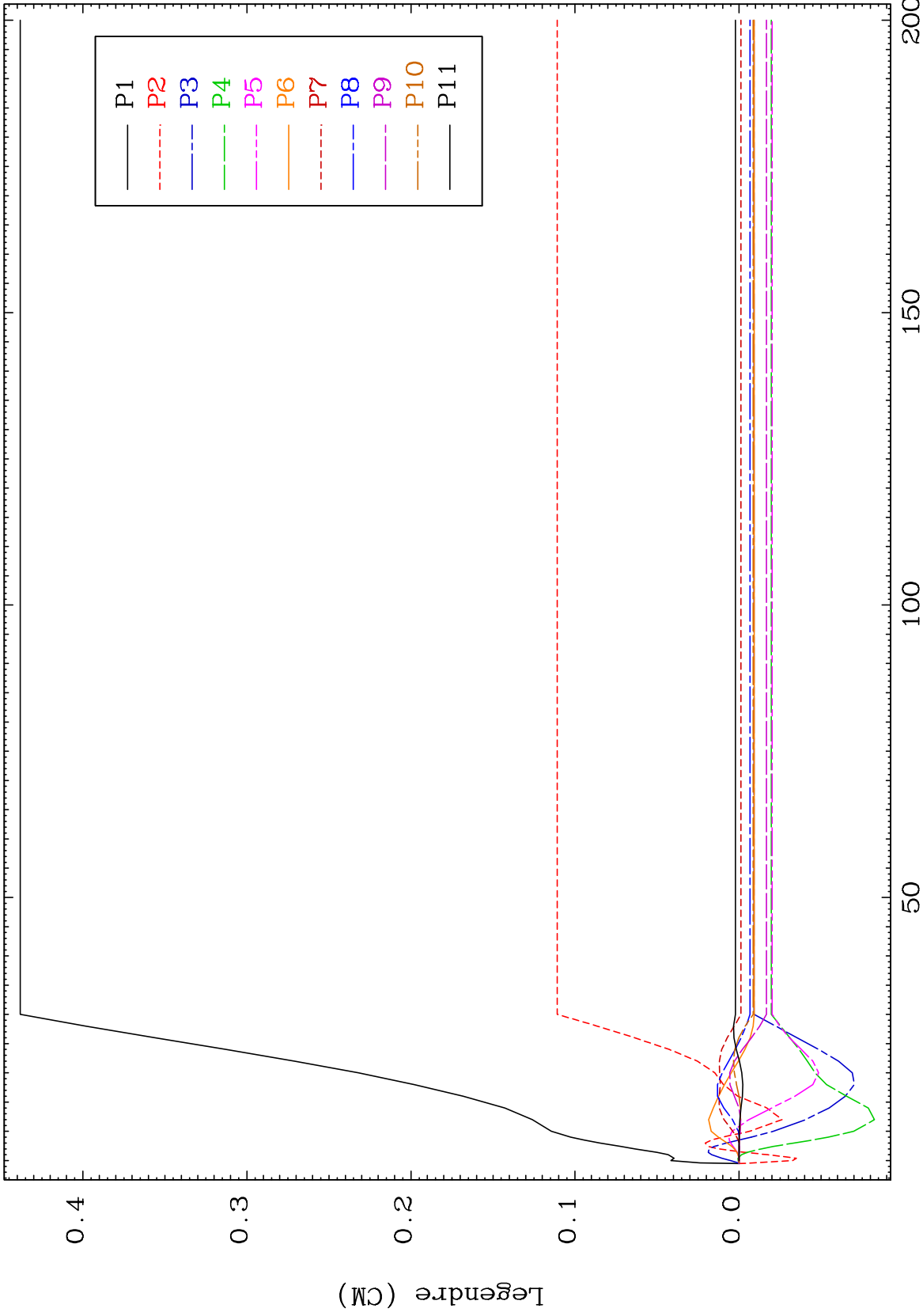
Incident Energy (MeV)

26-Fe-52

MAT 2619

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

26-Fe-52



34

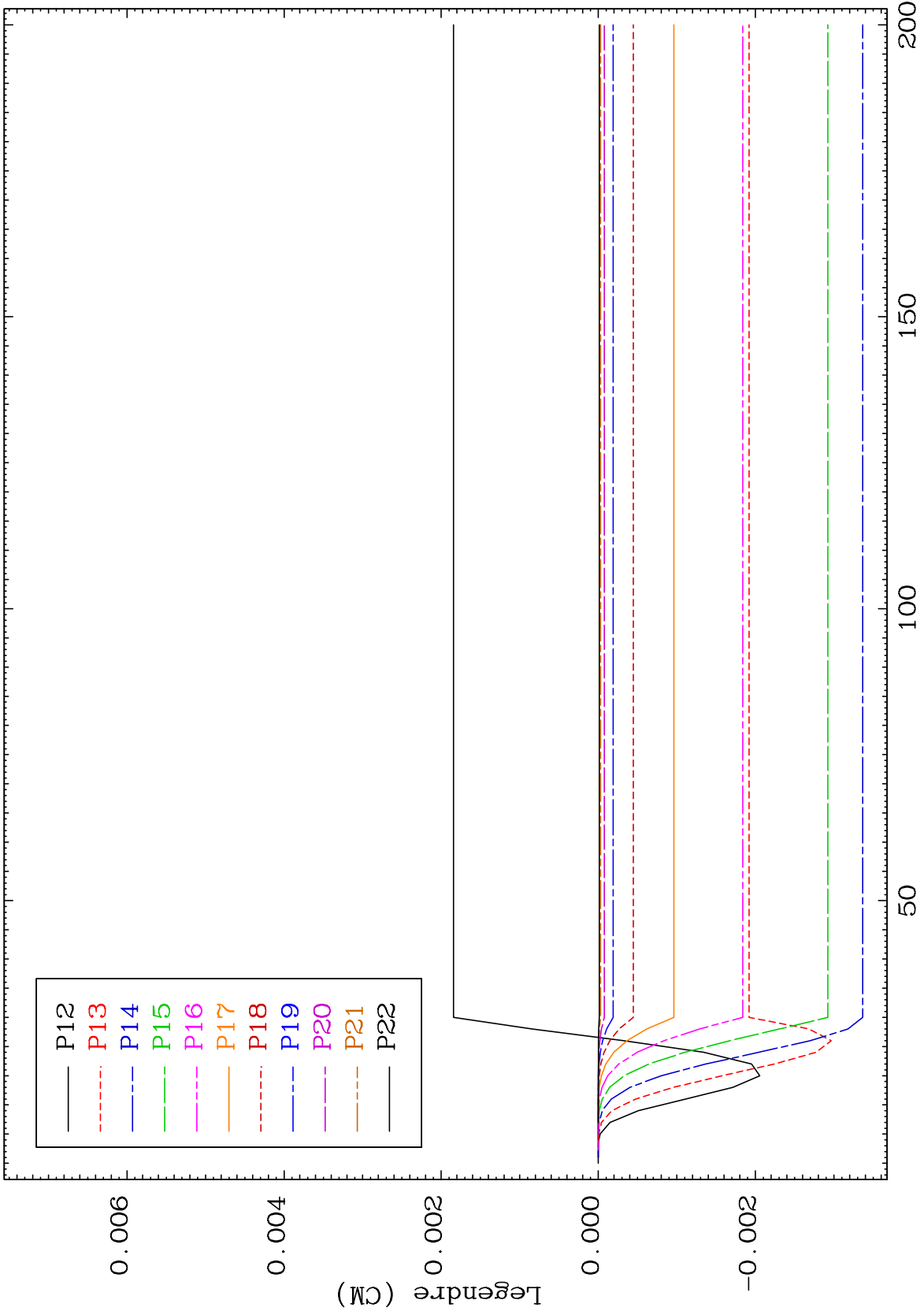
Incident Energy (MeV)

26-Fe-52

MAT 2619

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

26-Fe-52

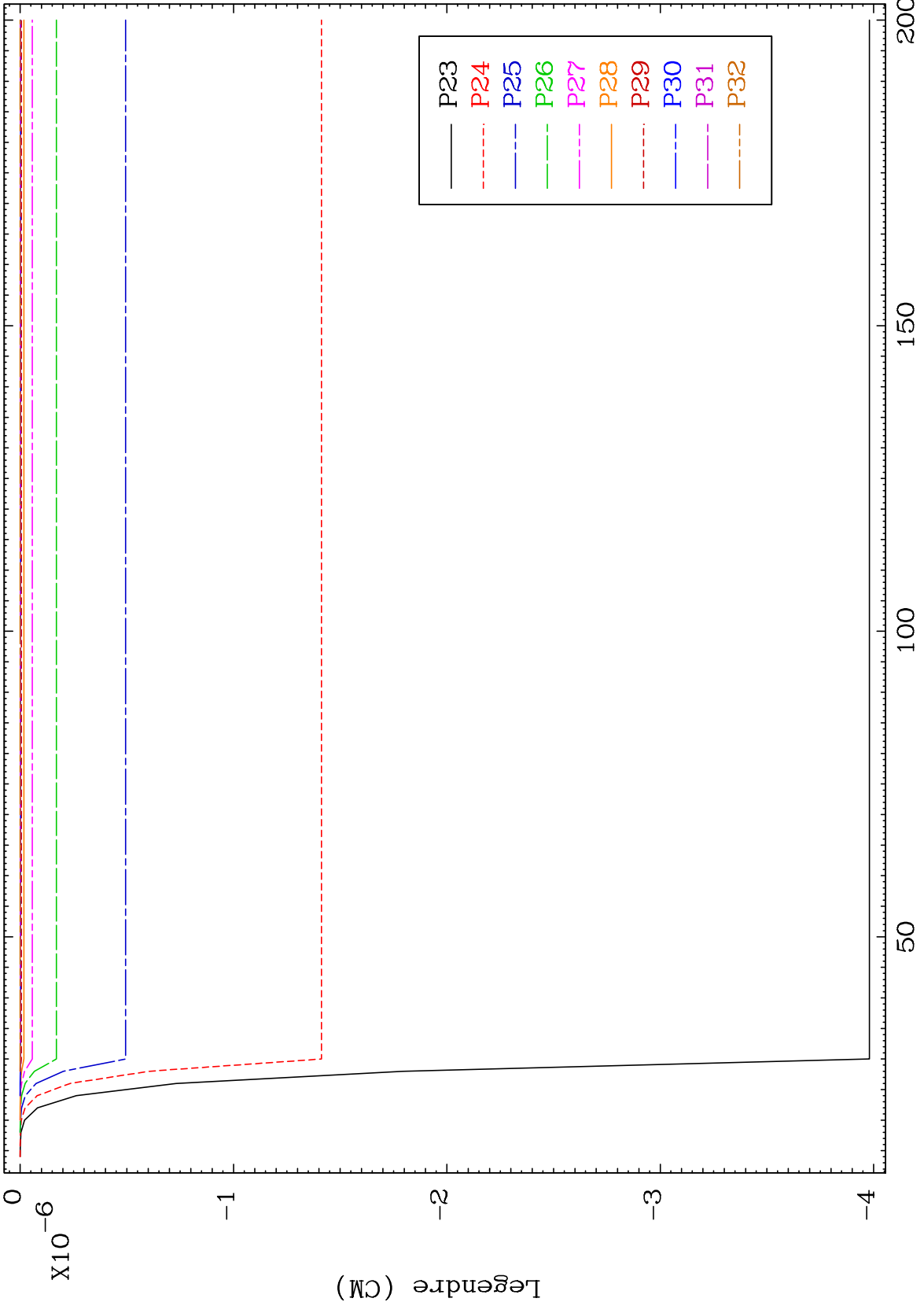


35

Incident Energy (MeV)

26-Fe-52

MAT 2619 MT= 57 (n,n') Level Legendre Coefficients 26-Fe-52

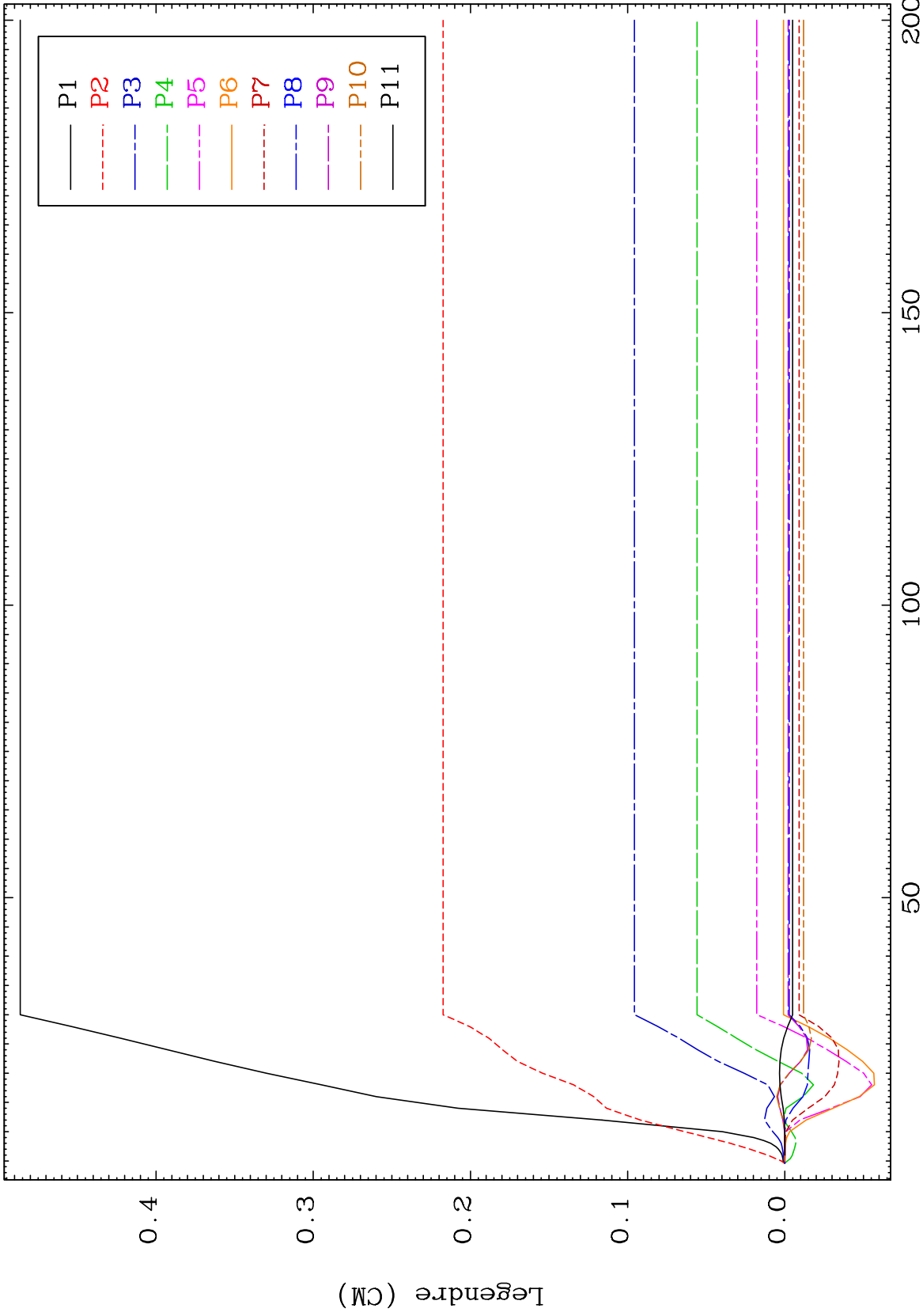


36 Incident Energy (MeV) 200 26-Fe-52

MAT 2619

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

26-Fe-52



37

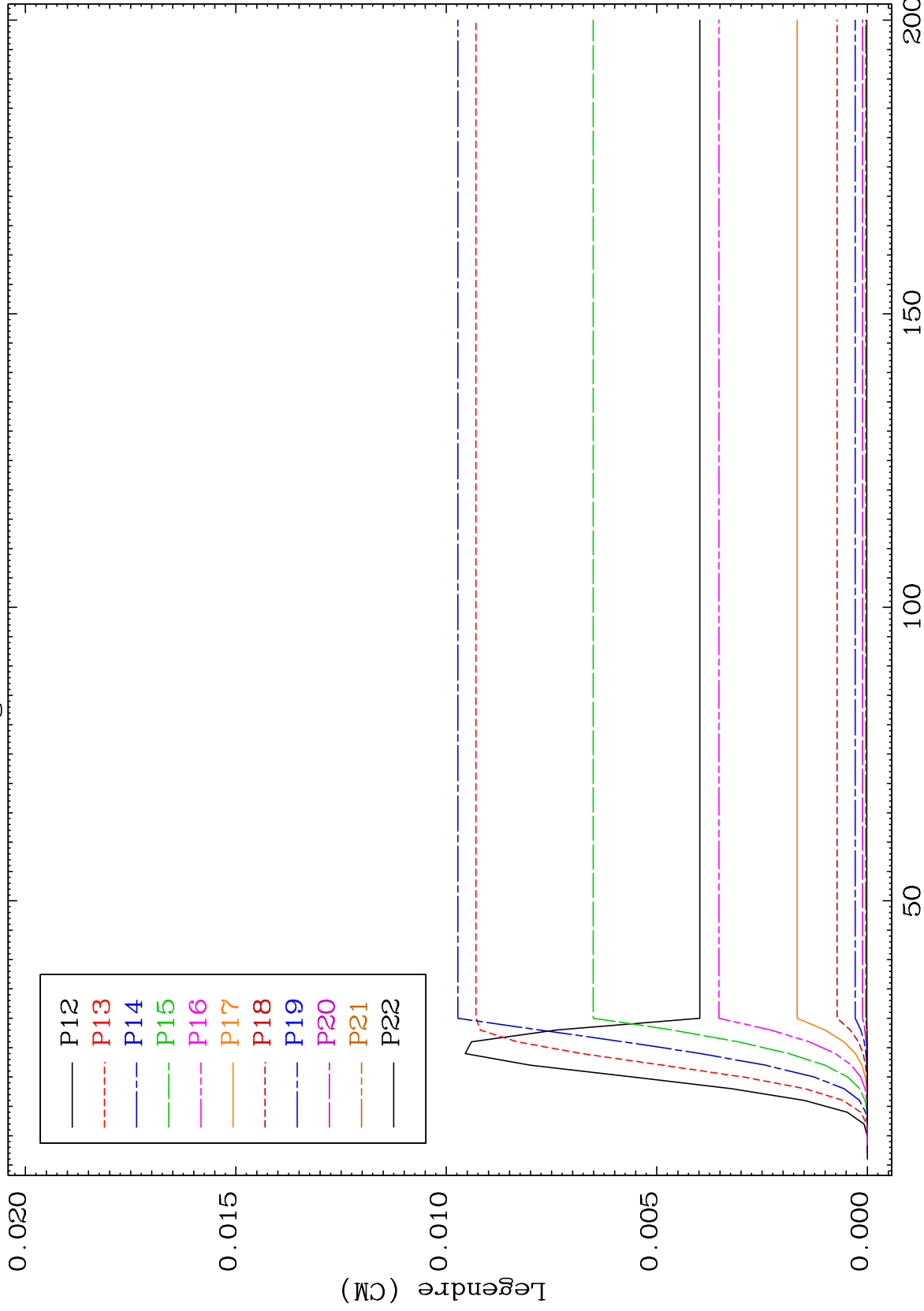
Incident Energy (MeV)

26-Fe-52

MAT 2619

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

<sup>26</sup>Fe-52



38

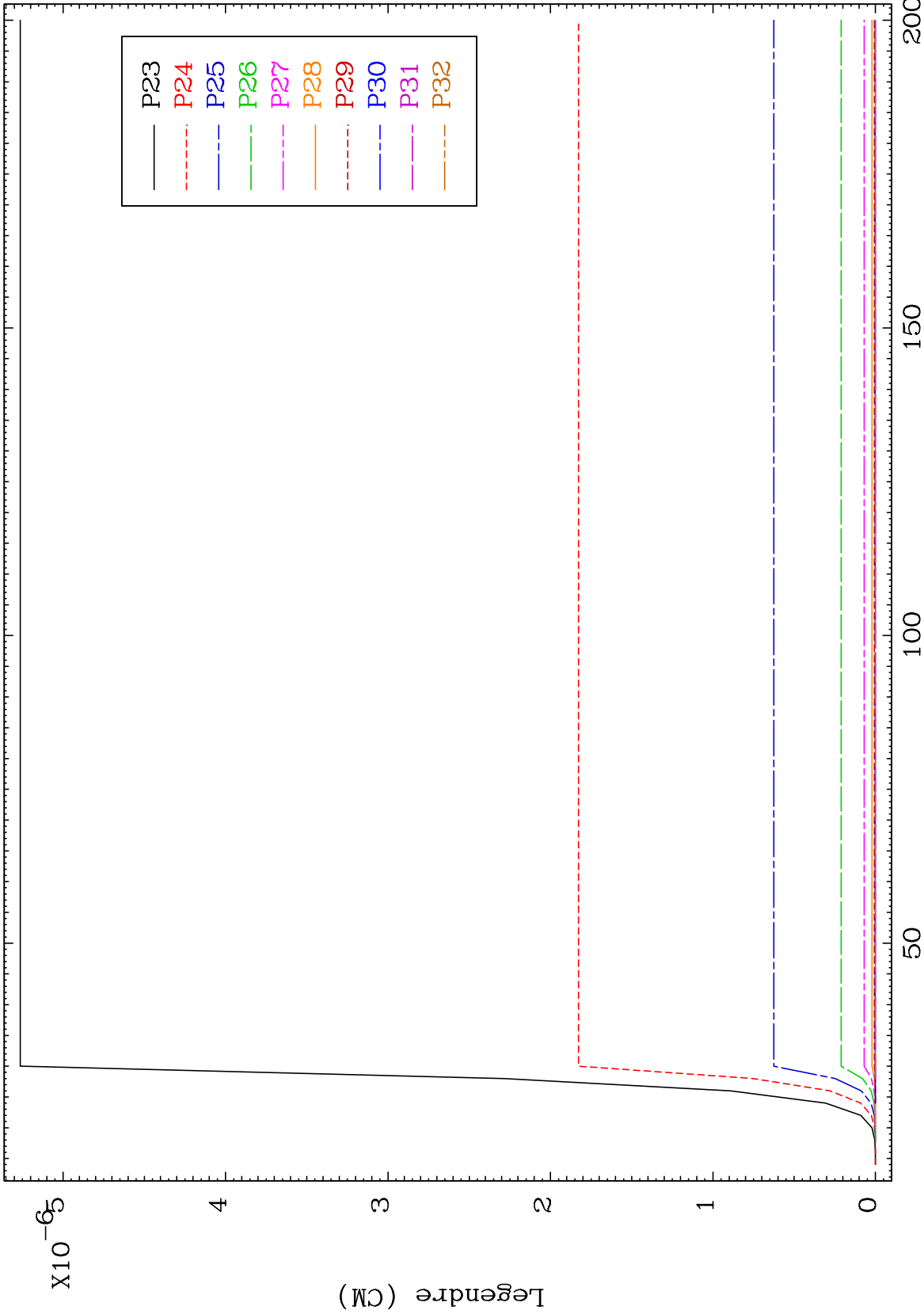
Incident Energy (MeV)

<sup>26</sup>Fe-52

MAT 2619

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

26-Fe-52



39

Incident Energy (MeV)

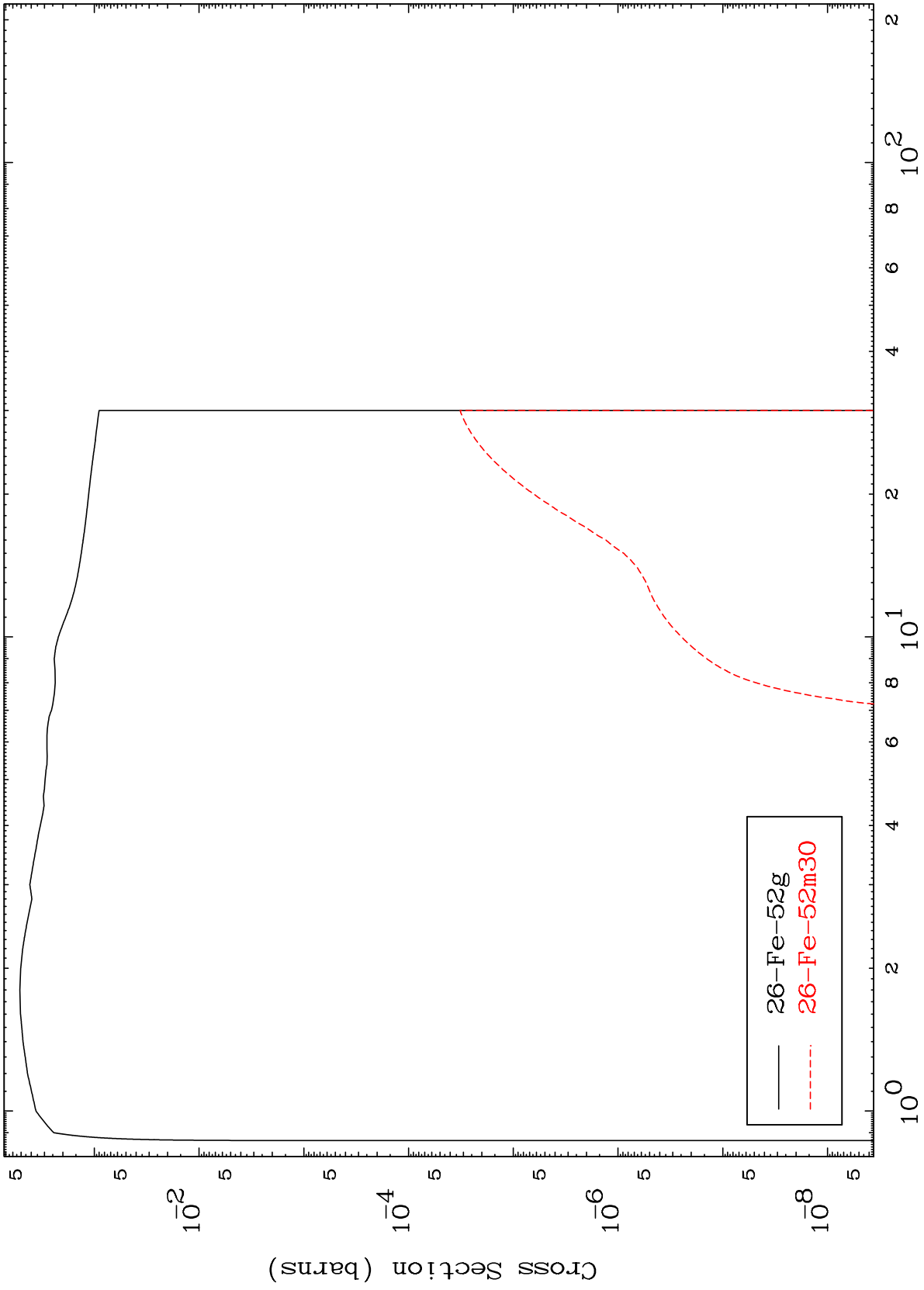
26-Fe-52



MAT 2619

# Inelastic Radionuclide Production Cross Section

<sup>26</sup>Fe-52



40

Incident Energy (MeV)

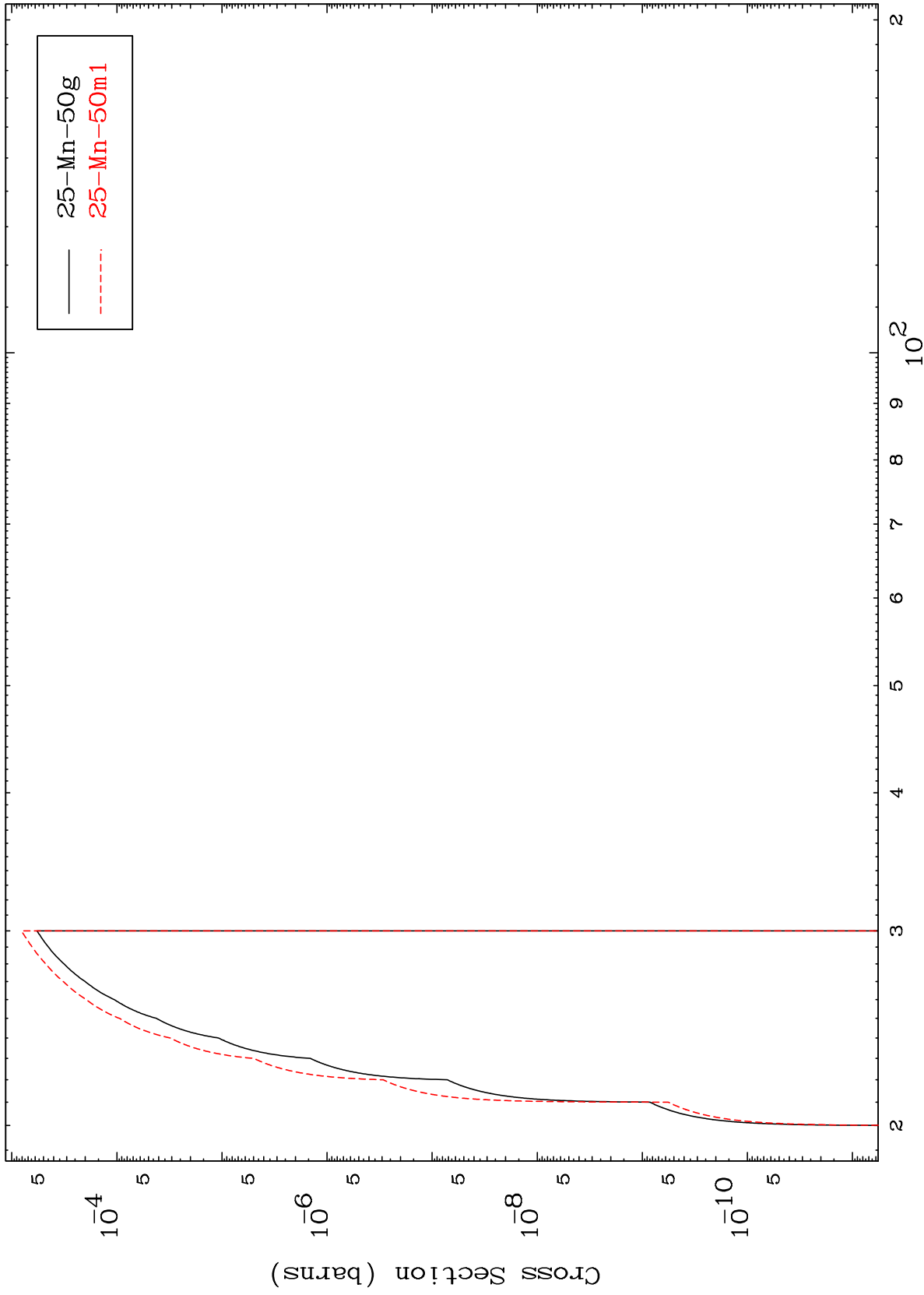
<sup>26</sup>Fe-52

MAT 2619

(n,n') d

<sup>26</sup>Fe-52

Radionuclide Production Cross Section



41

Incident Energy (MeV)

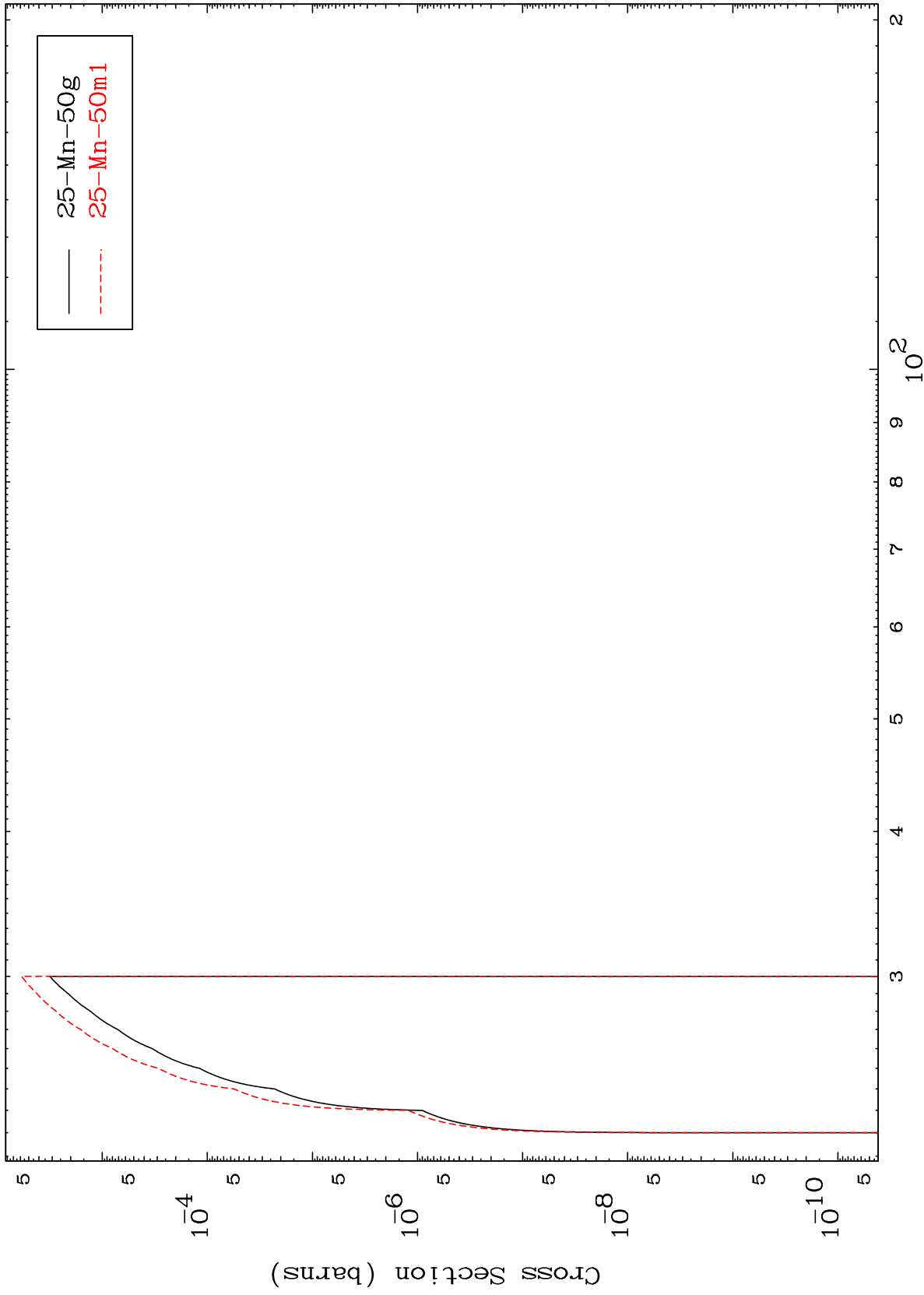
<sup>26</sup>Fe-52

MAT 2619

(n,2n) p

<sup>26</sup>Fe-52

Radionuclide Production Cross Section



42

Incident Energy (MeV)

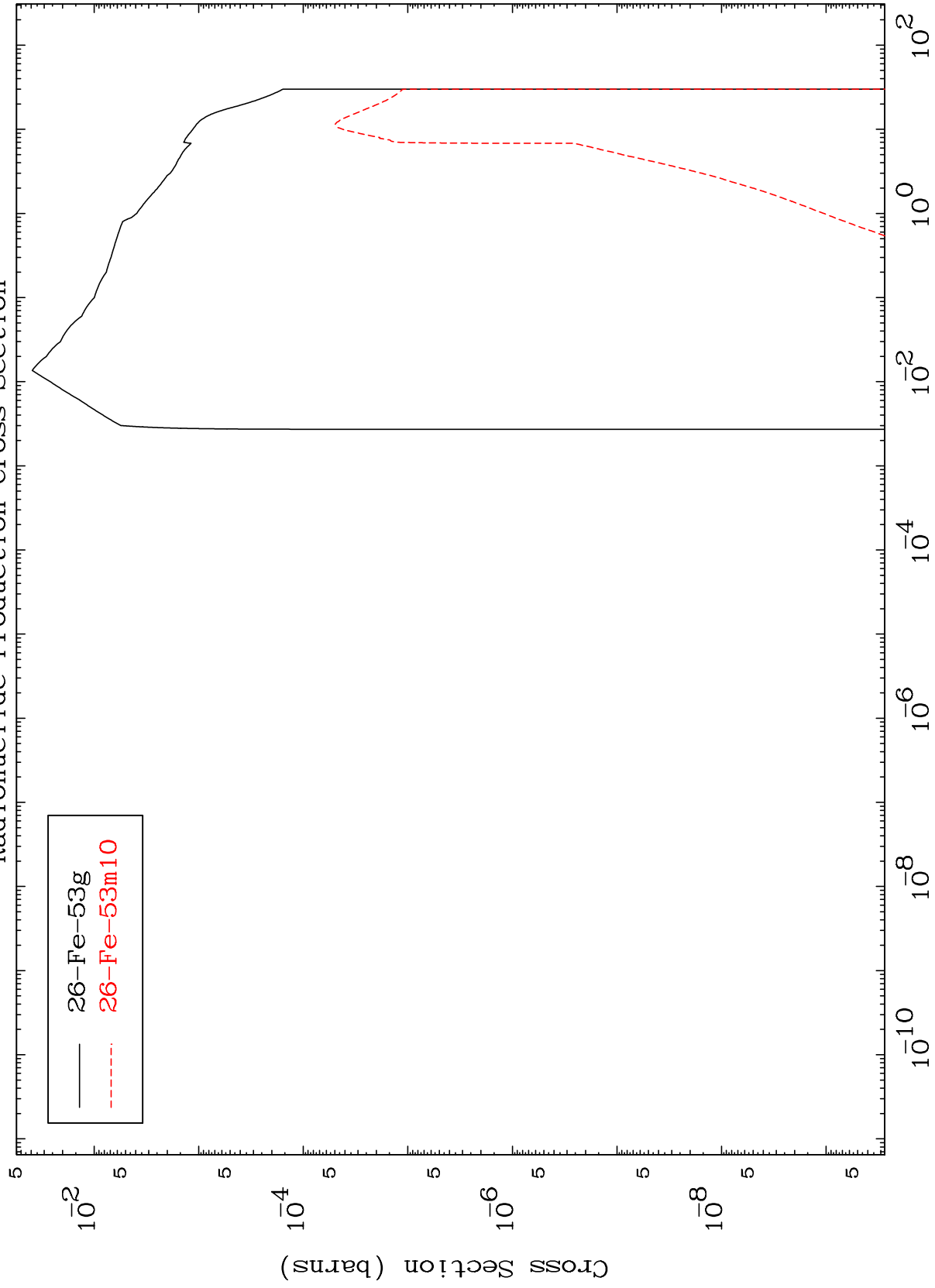
<sup>26</sup>Fe-52

MAT 2619

(n,  $\gamma$ )

<sup>26</sup>Fe-52

Radionuclide Production Cross Section

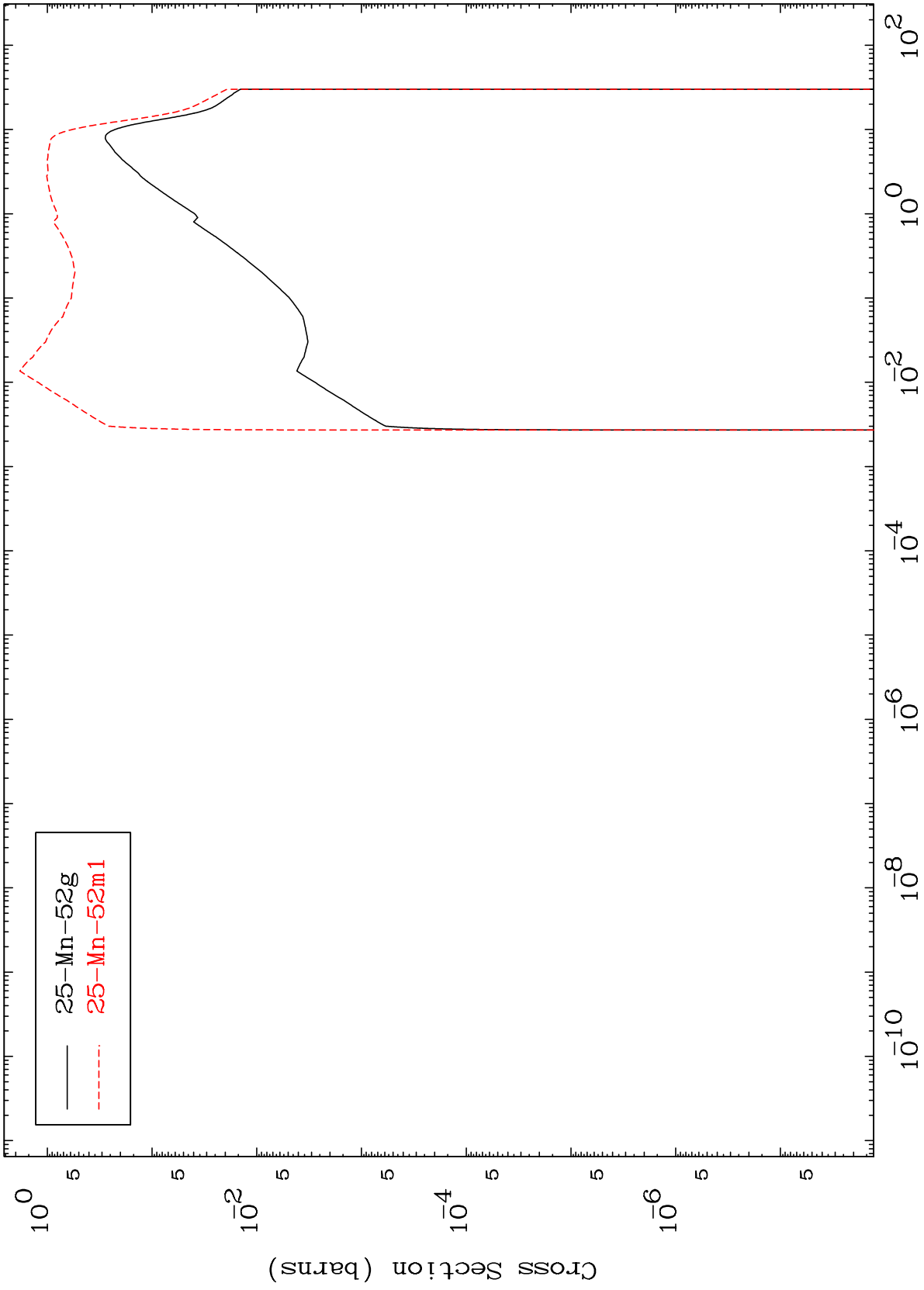


— 26-Fe-53g  
- - - 26-Fe-53m10

MAT 2619

<sup>26</sup>Fe-52

(n,p) Radionuclide Production Cross Section

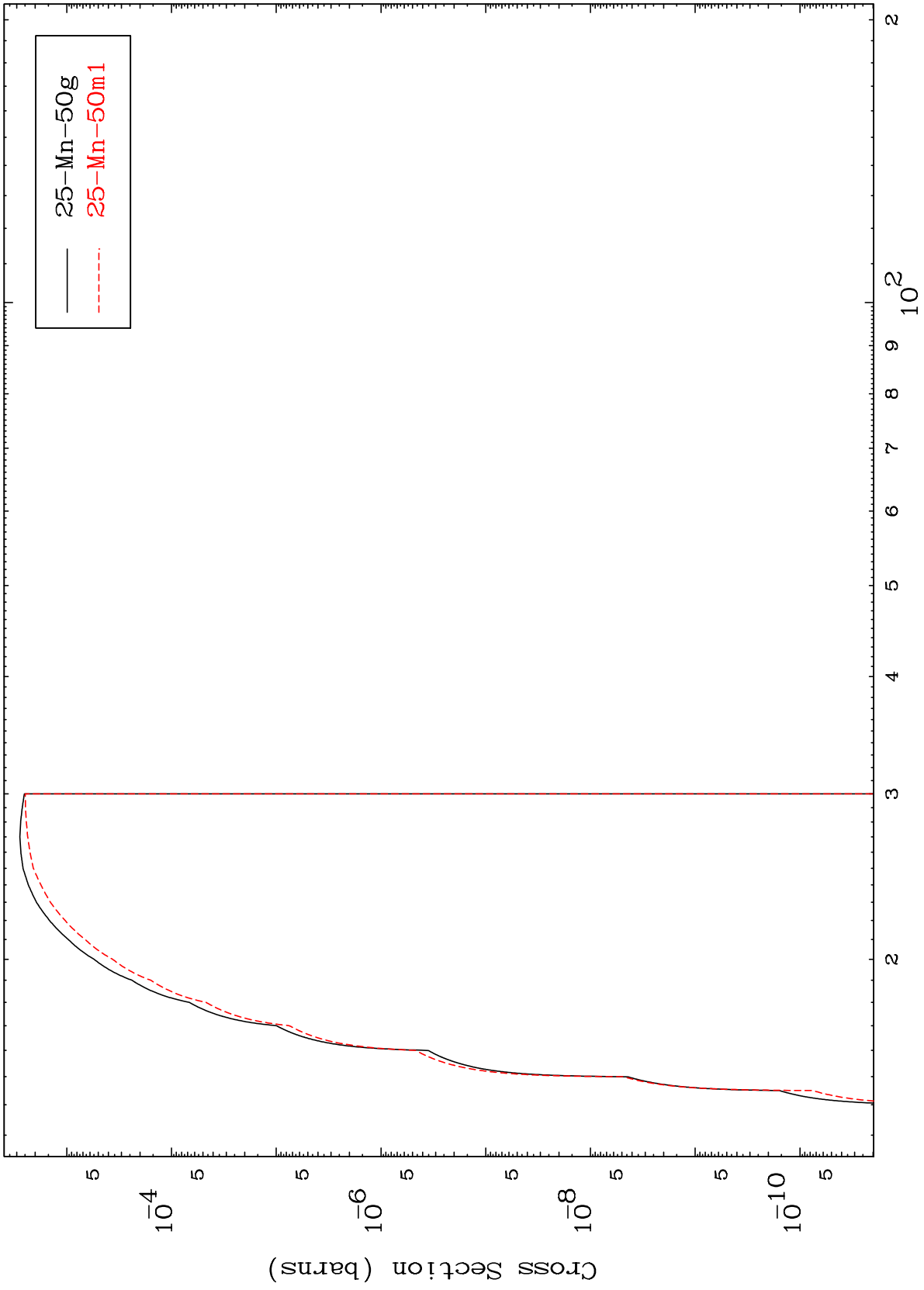


— 25-Mn-52g  
- - - 25-Mn-52m1

MAT 2619

<sup>26</sup>Fe-52

(n, t)  
Radionuclide Production Cross Section



45

Incident Energy (MeV)

<sup>26</sup>Fe-52