

Program EVALPLOT  
(Version 2018-1)

by

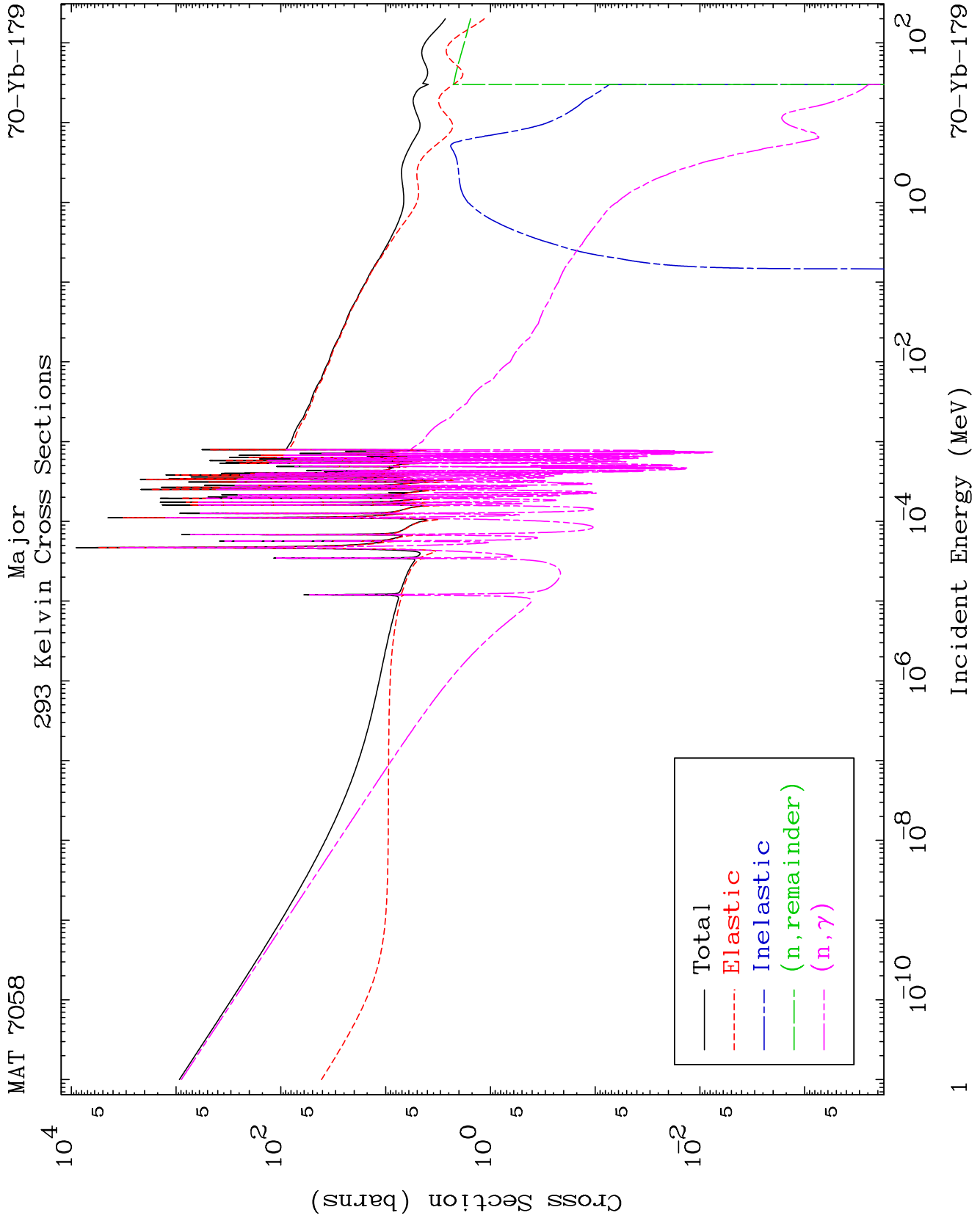
Dermott E. Cullen  
(Present Contact Information)

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

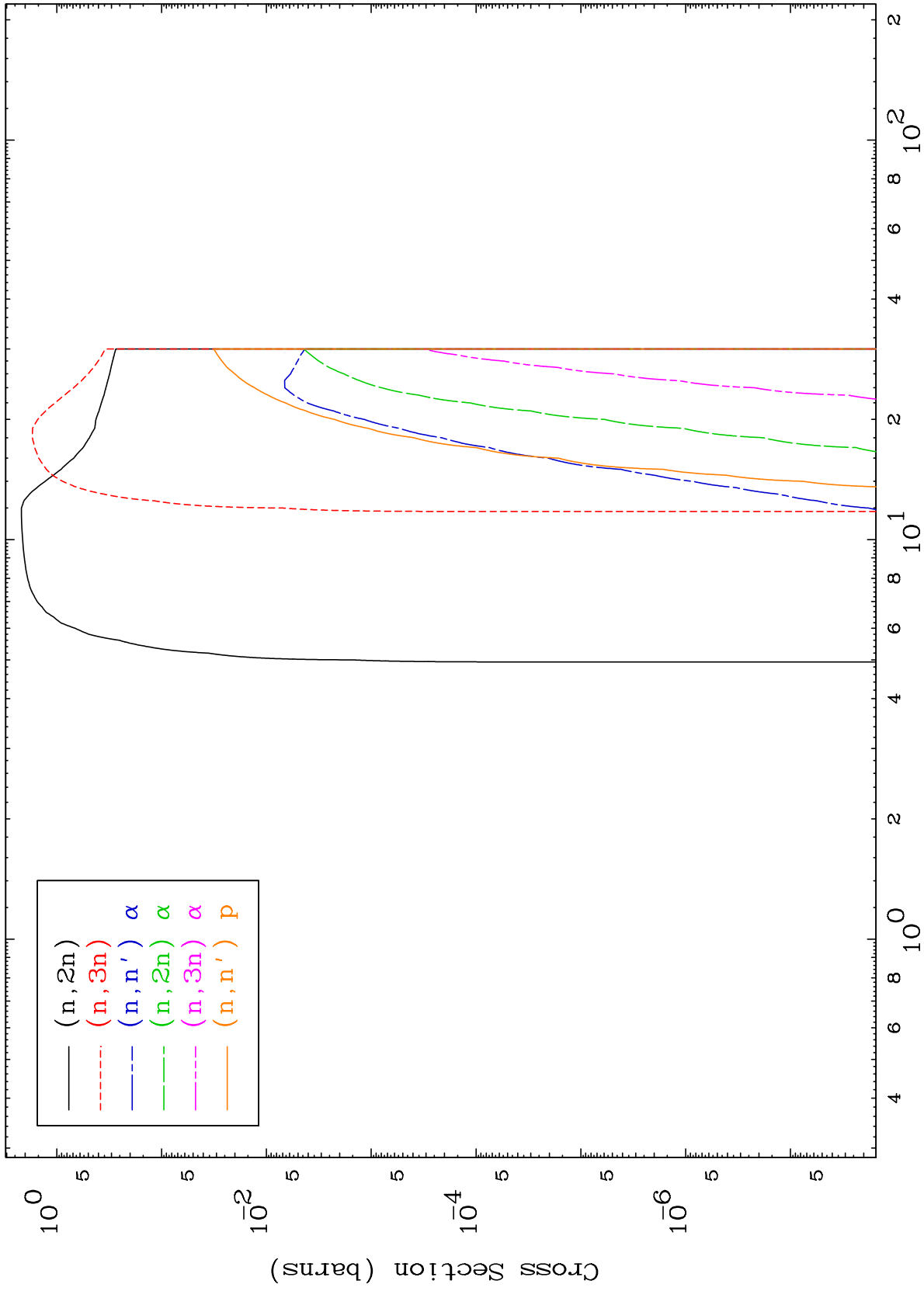
Press Mouse Button to Start



MAT 7058

Neutron Production  
293 Kelvin Cross Sections

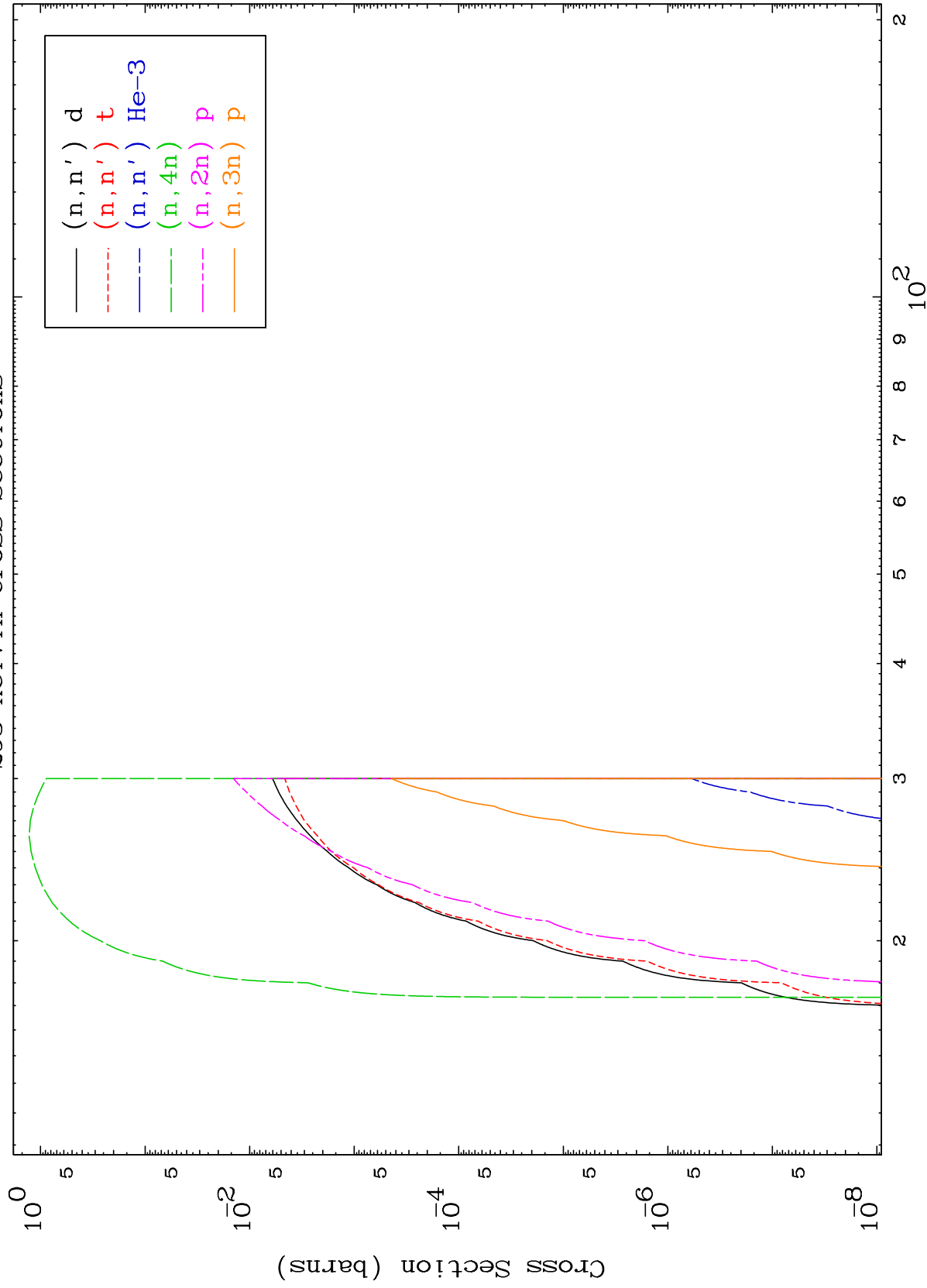
70-Yb-179



2

Incident Energy (MeV)

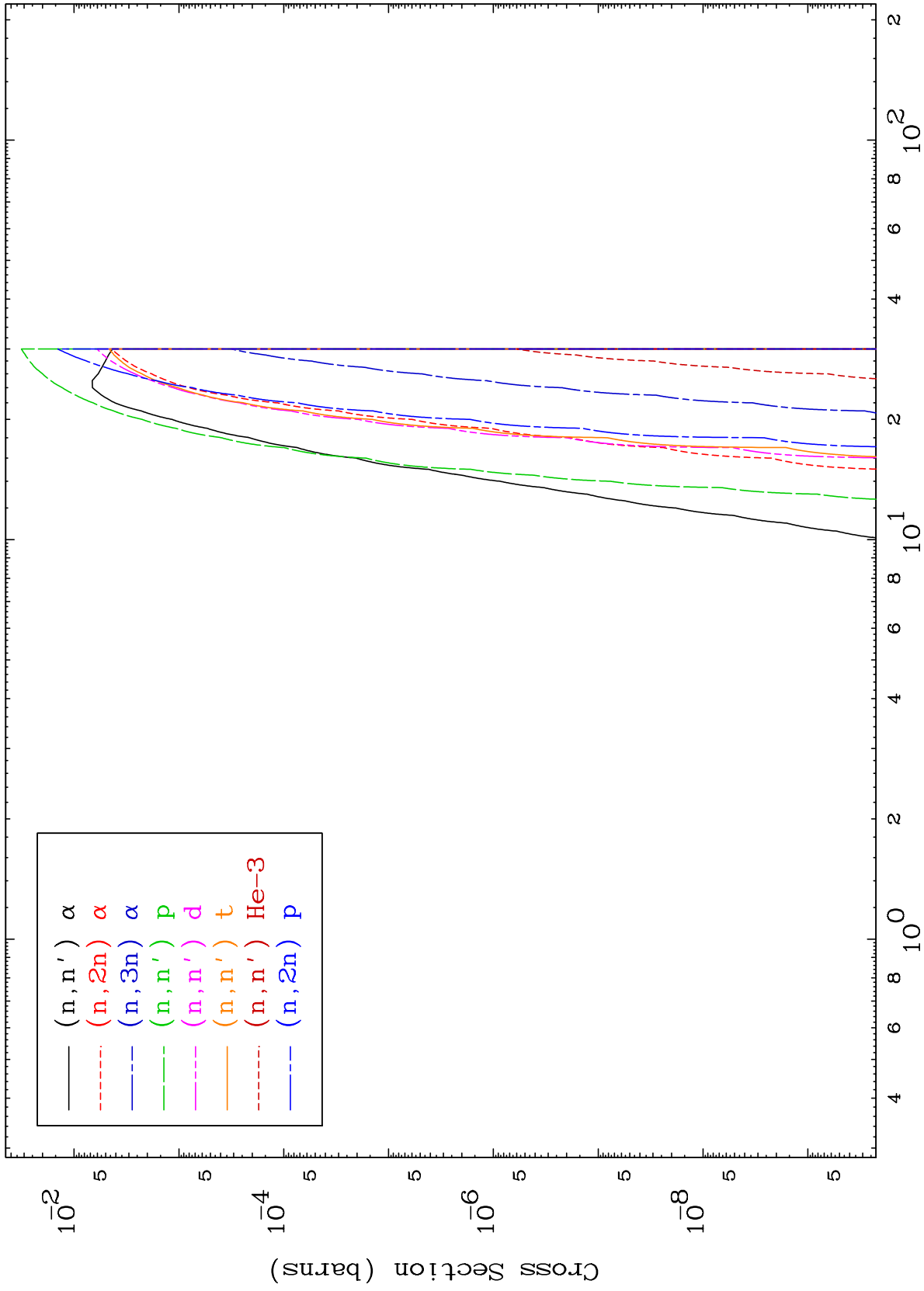
70-Yb-179



MAT 7058

293 Kelvin Cross Sections

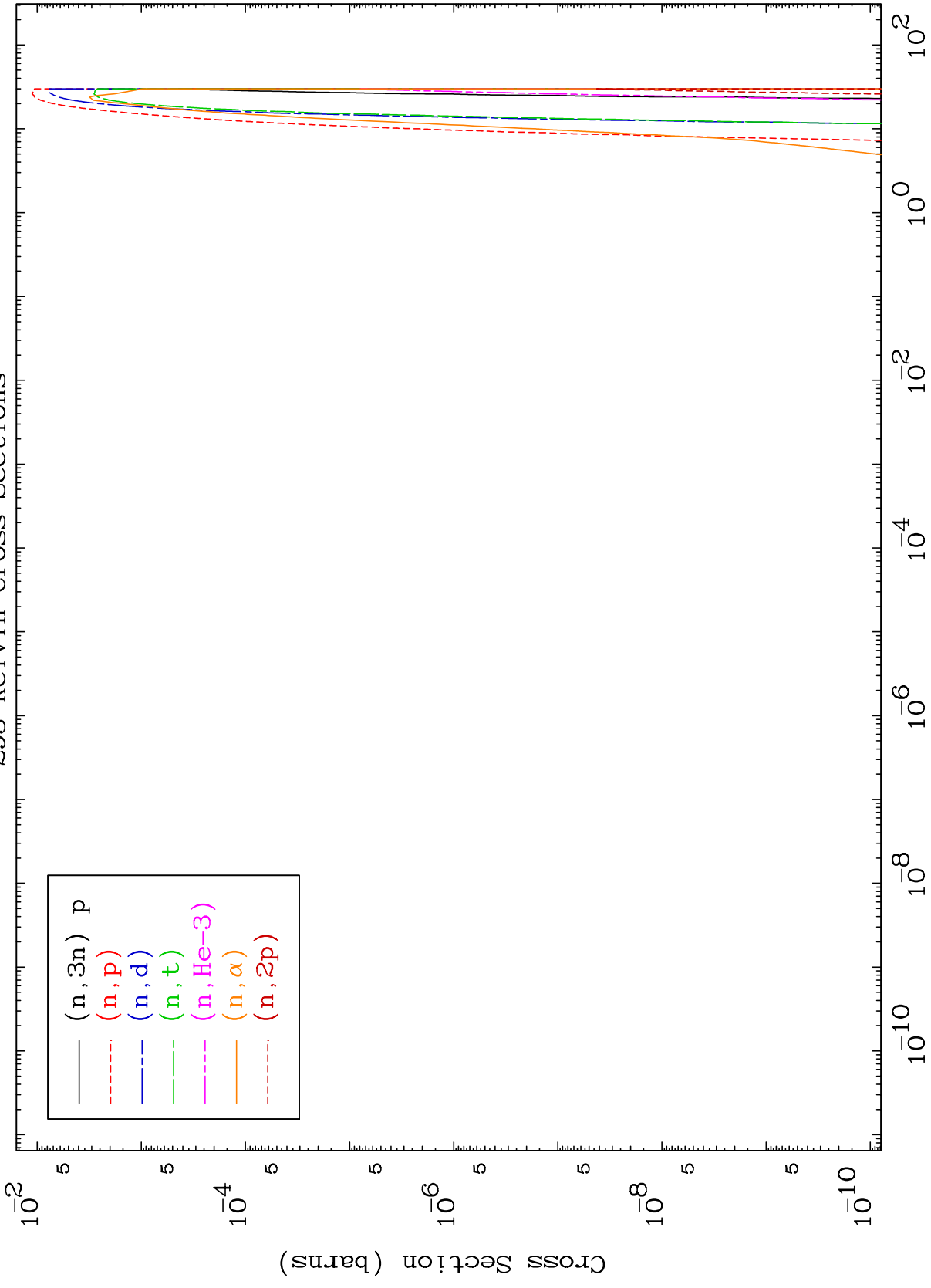
70-Yb-179



MAT 7058

293 Kelvin Cross Sections

70-Yb-179



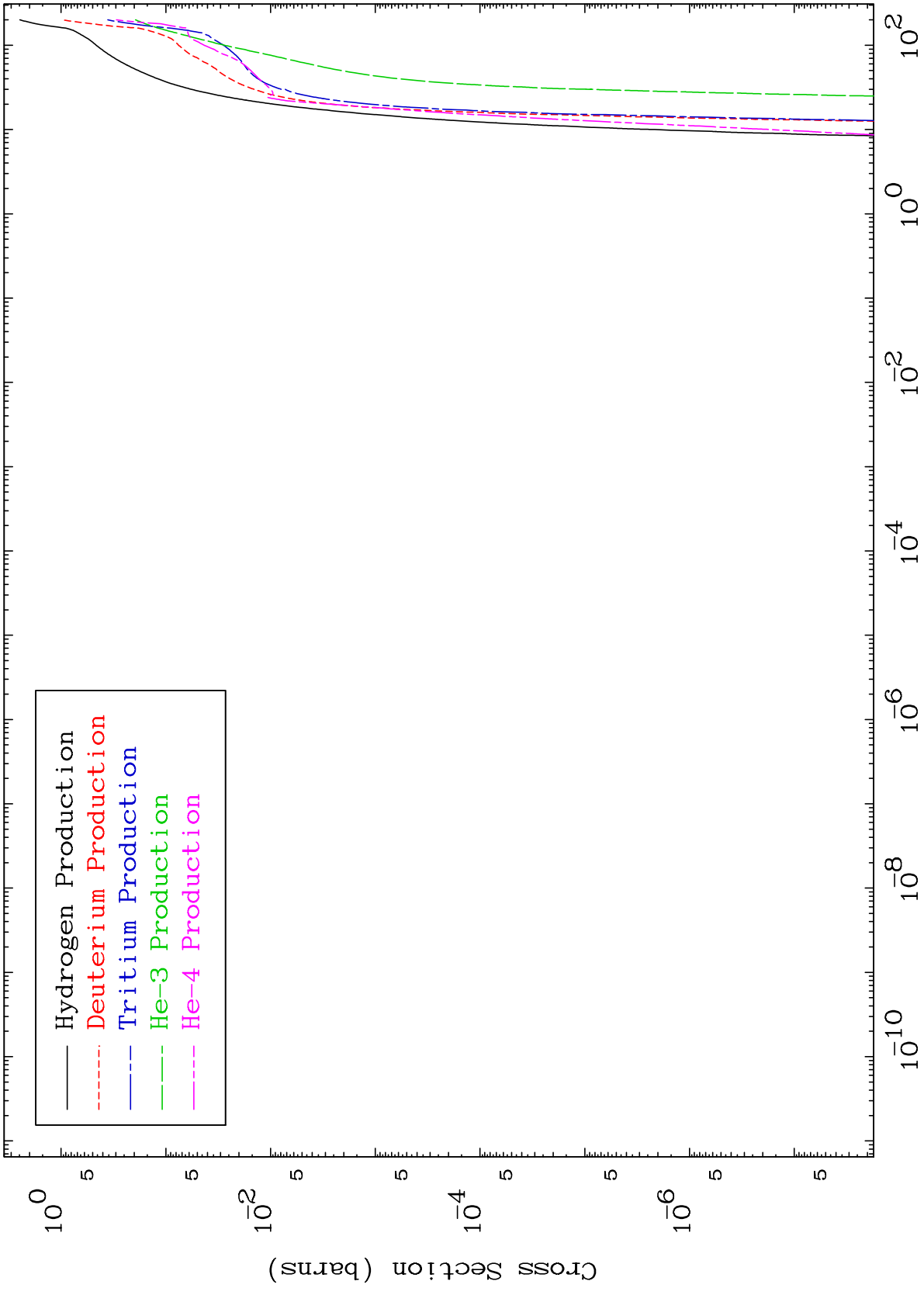
5

70-Yb-179

MAT 7058

Particle Production  
293 Kelvin Cross Sections

70-Yb-179

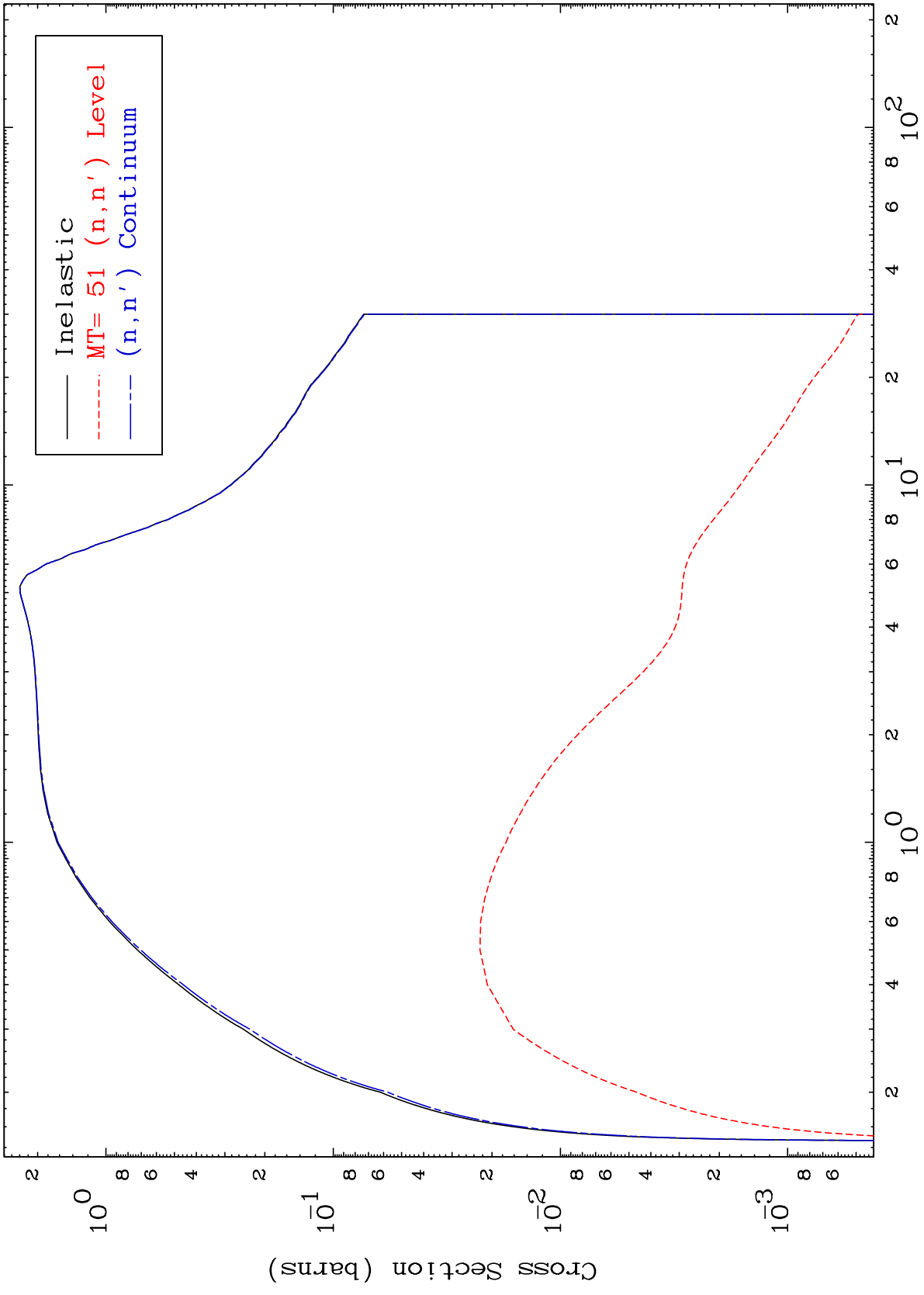


70-Yb-179

MAT 7058

(n,n') Level  
293 Kelvin Cross Sections

70-Yb-179



7

Incident Energy (MeV)

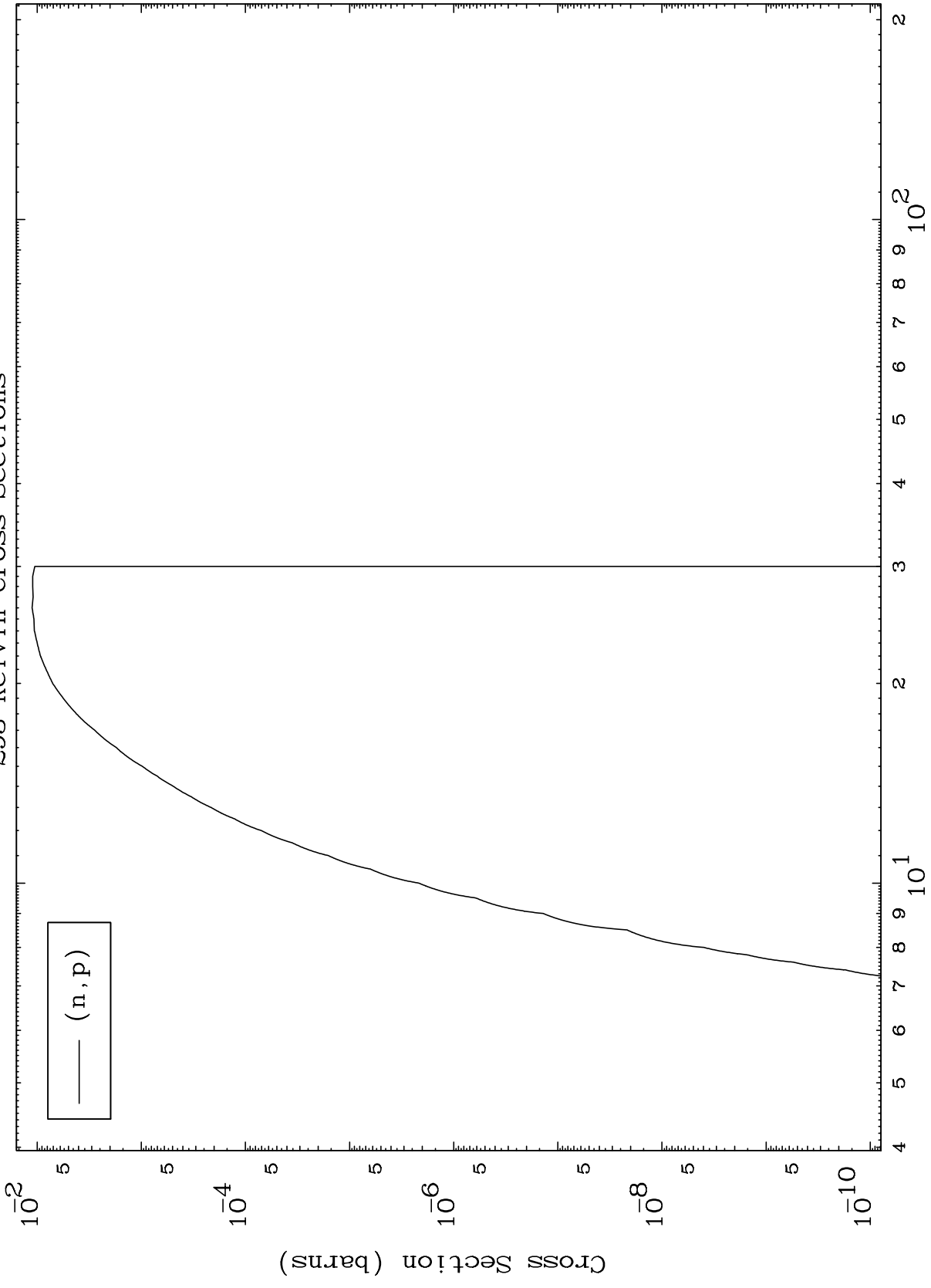
70-Yb-179



MAT 7058

(n,p) Levels  
293 Kelvin Cross Sections

70-Yb-179



8

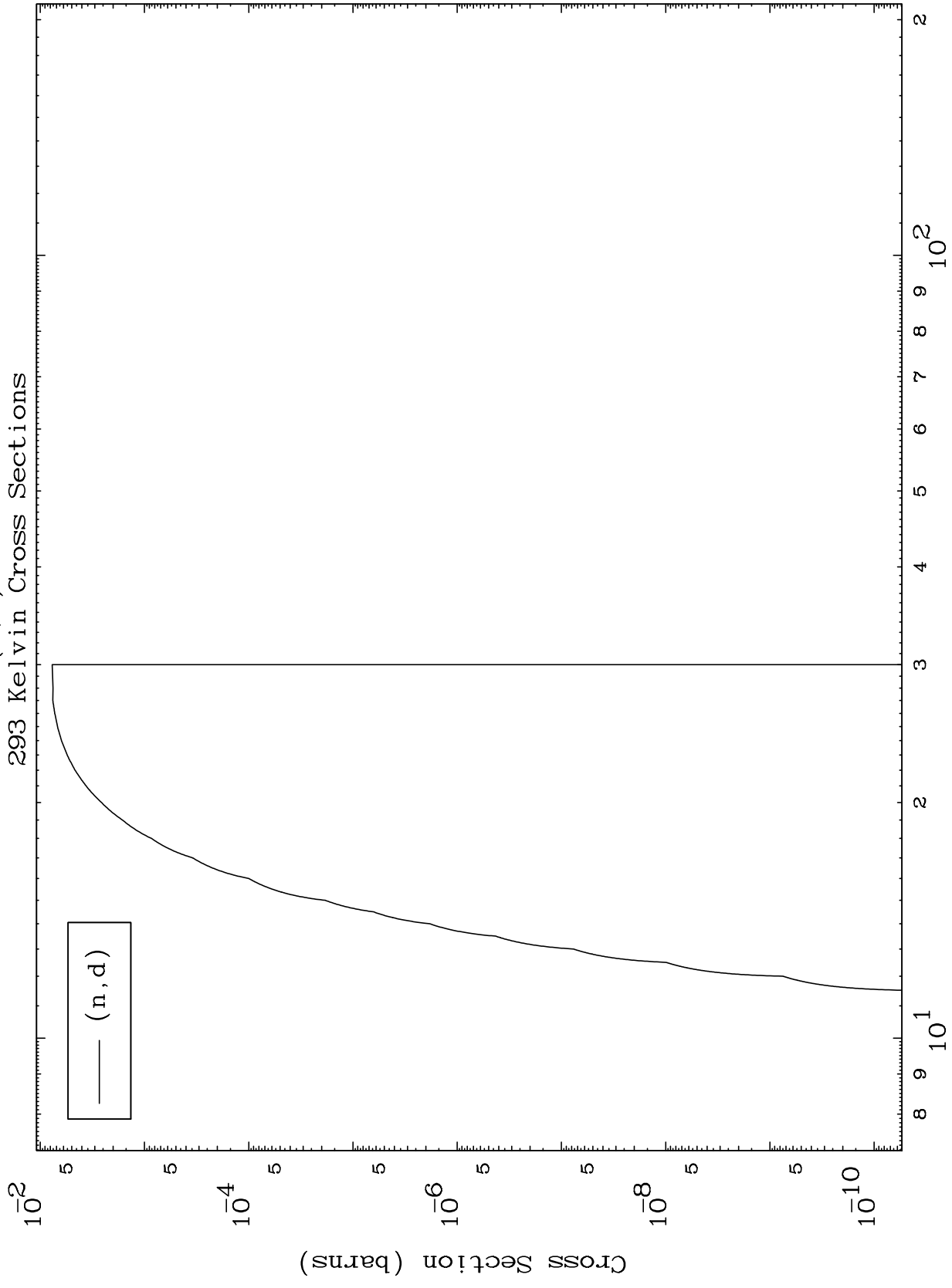
Incident Energy (MeV)

70-Yb-179

MAT 7058

(n,d) Levels  
293 Kelvin Cross Sections

70-Yb-179



9

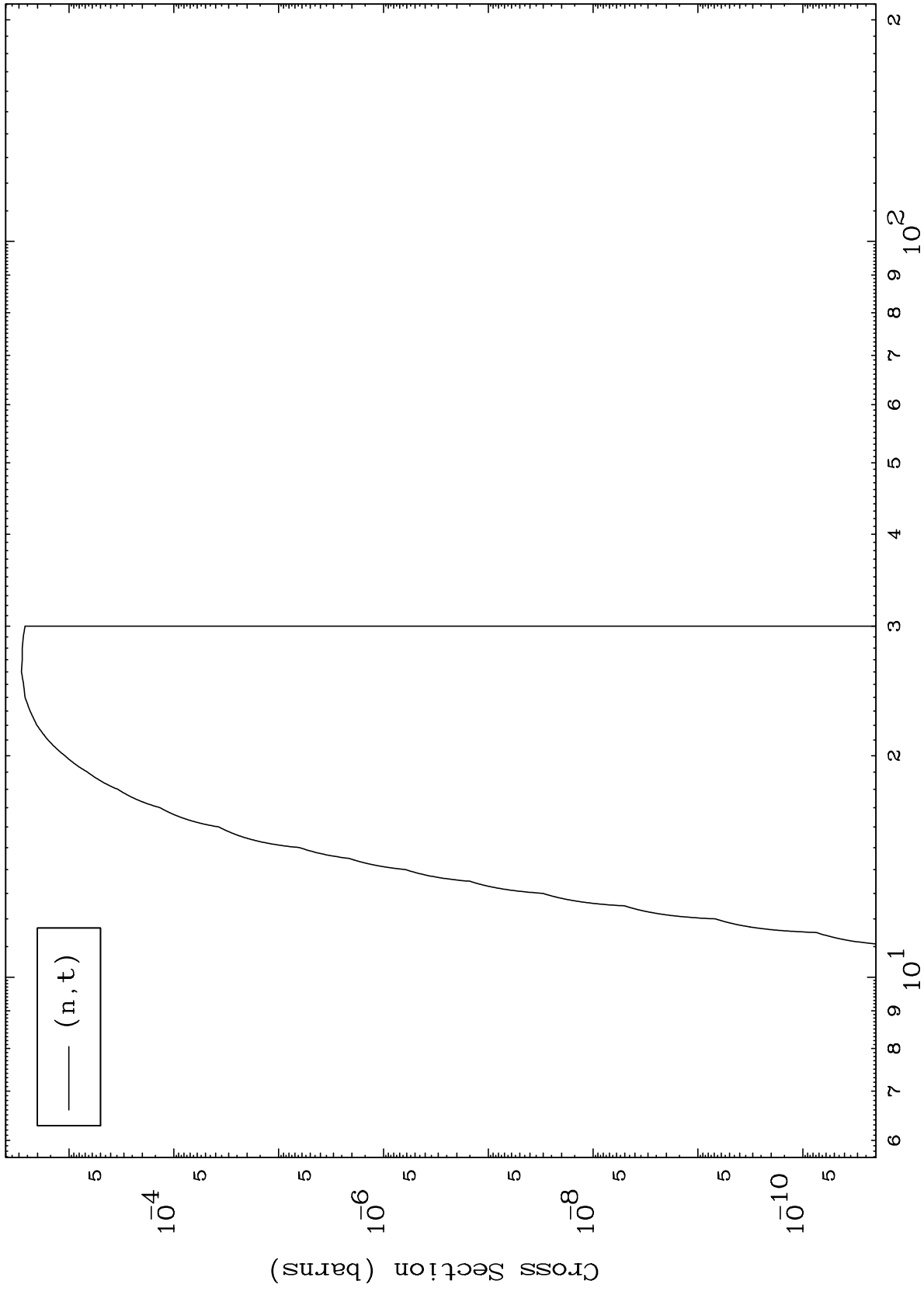
Incident Energy (MeV)

70-Yb-179

MAT 7058

(n,t) Levels  
293 Kelvin Cross Sections

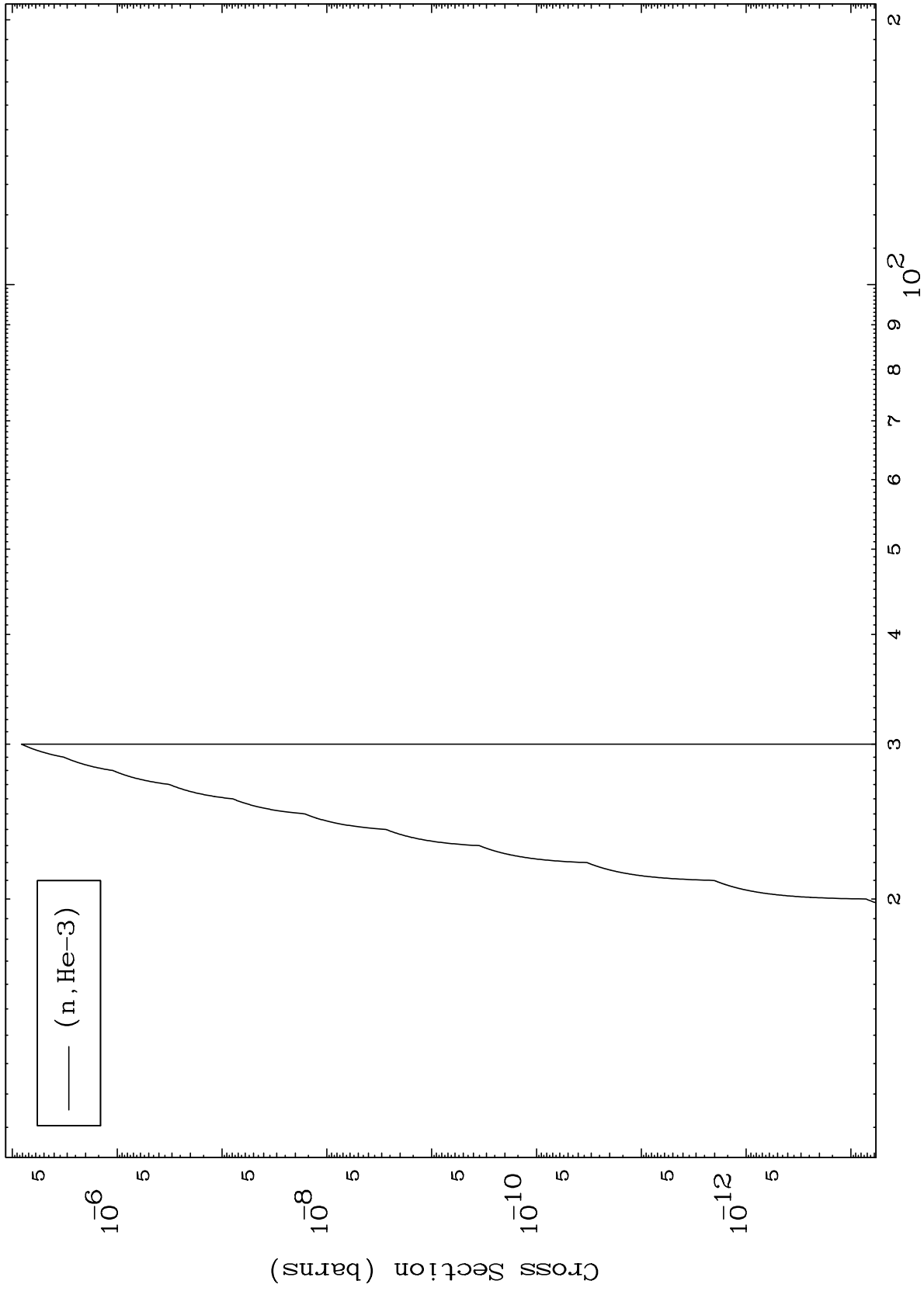
70-Yb-179



10

Incident Energy (MeV)

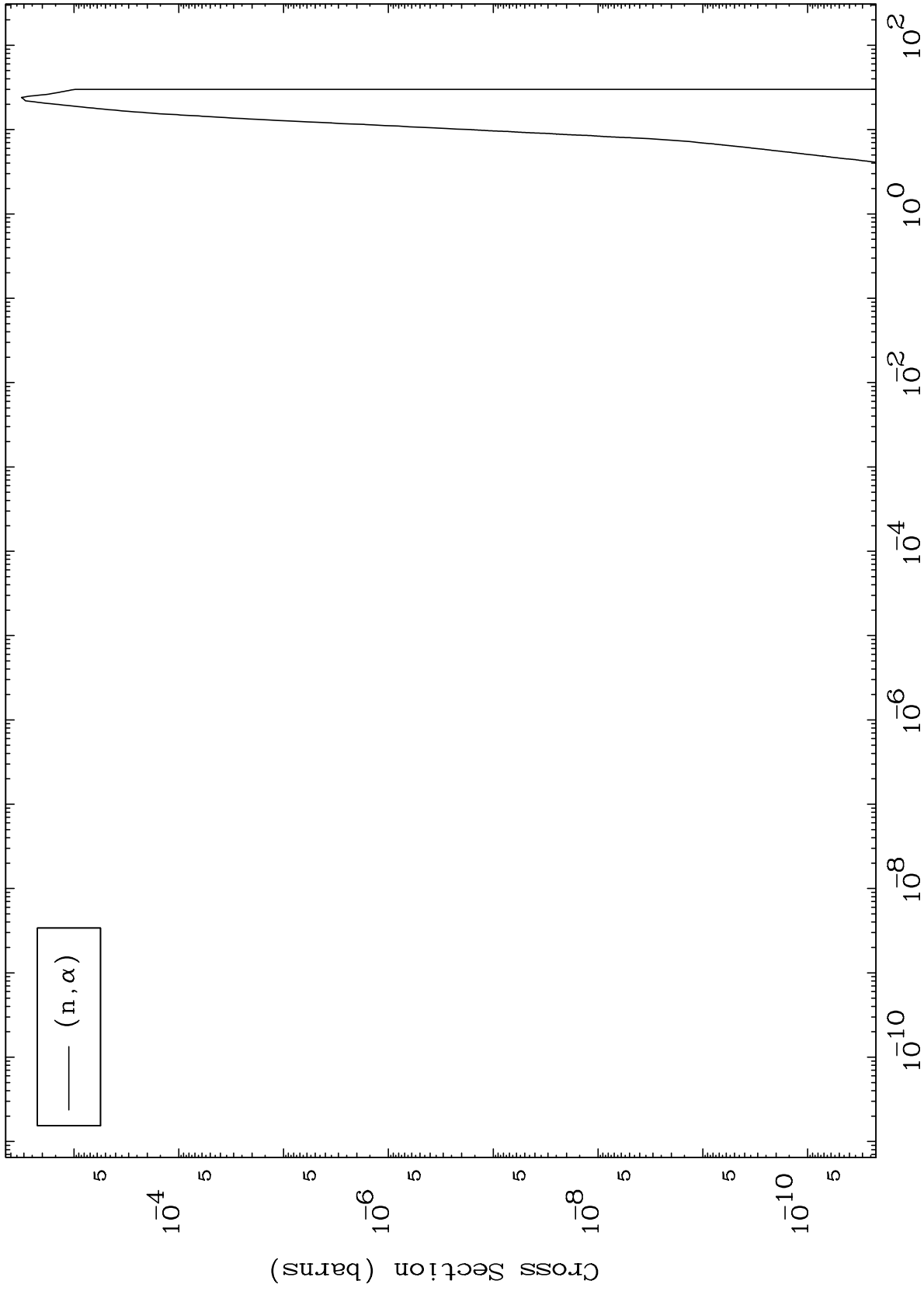
70-Yb-179



MAT 7058

(n,α) Levels  
293 Kelvin Cross Sections

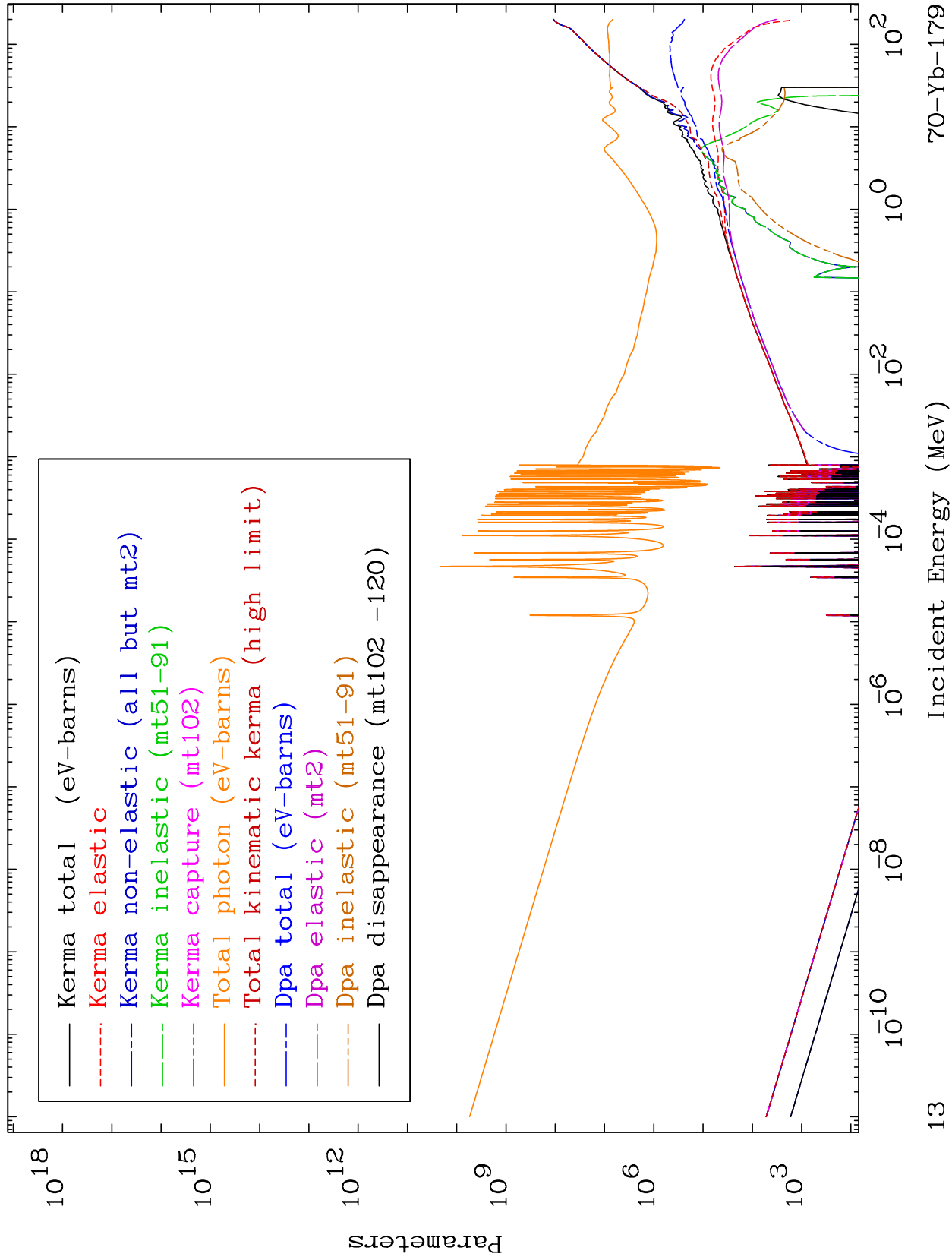
70-Yb-179



12

Incident Energy (MeV)

70-Yb-179

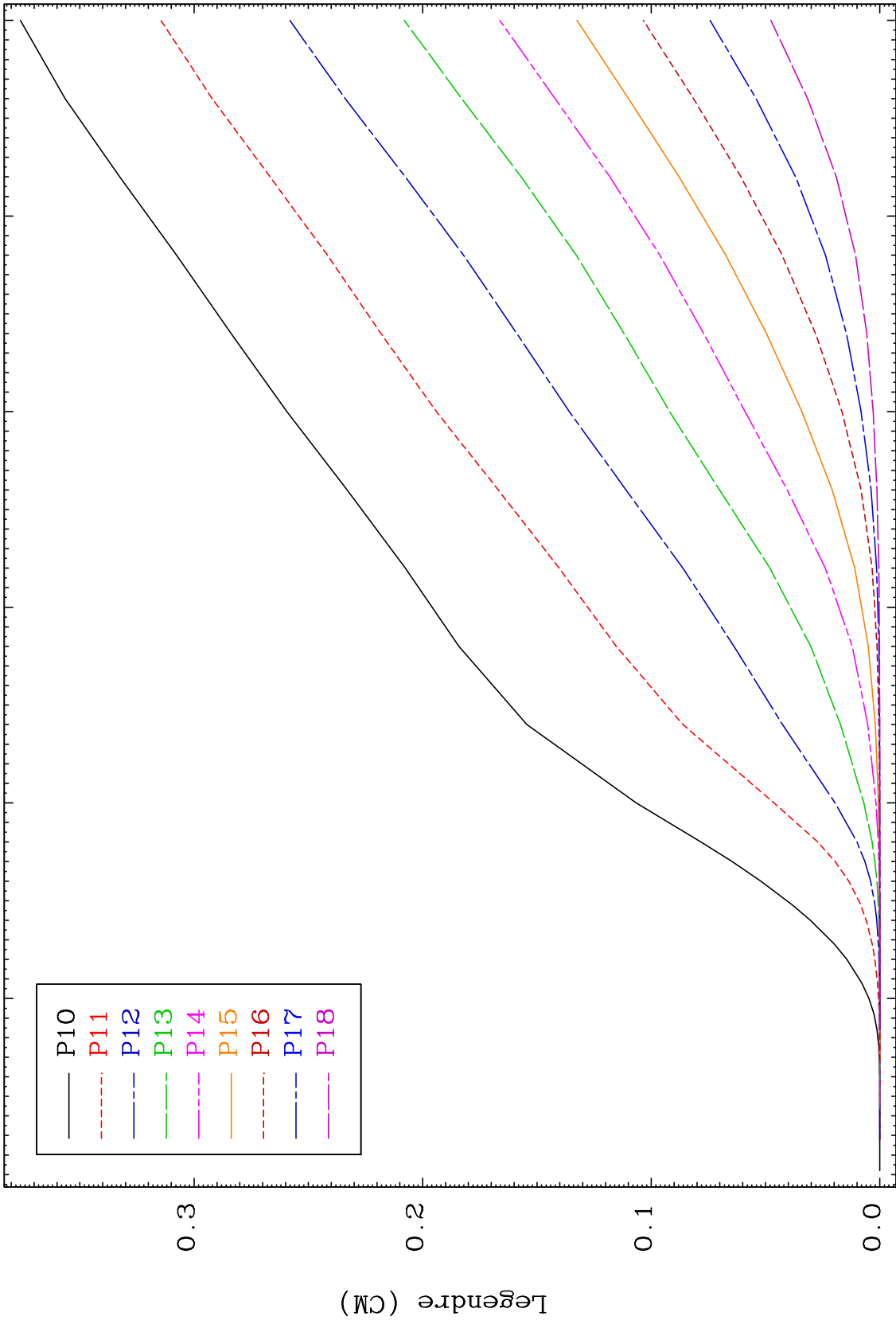




MAT 7058

Elastic Legendre Coefficients

70-Yb-179



15

Incident Energy (MeV)

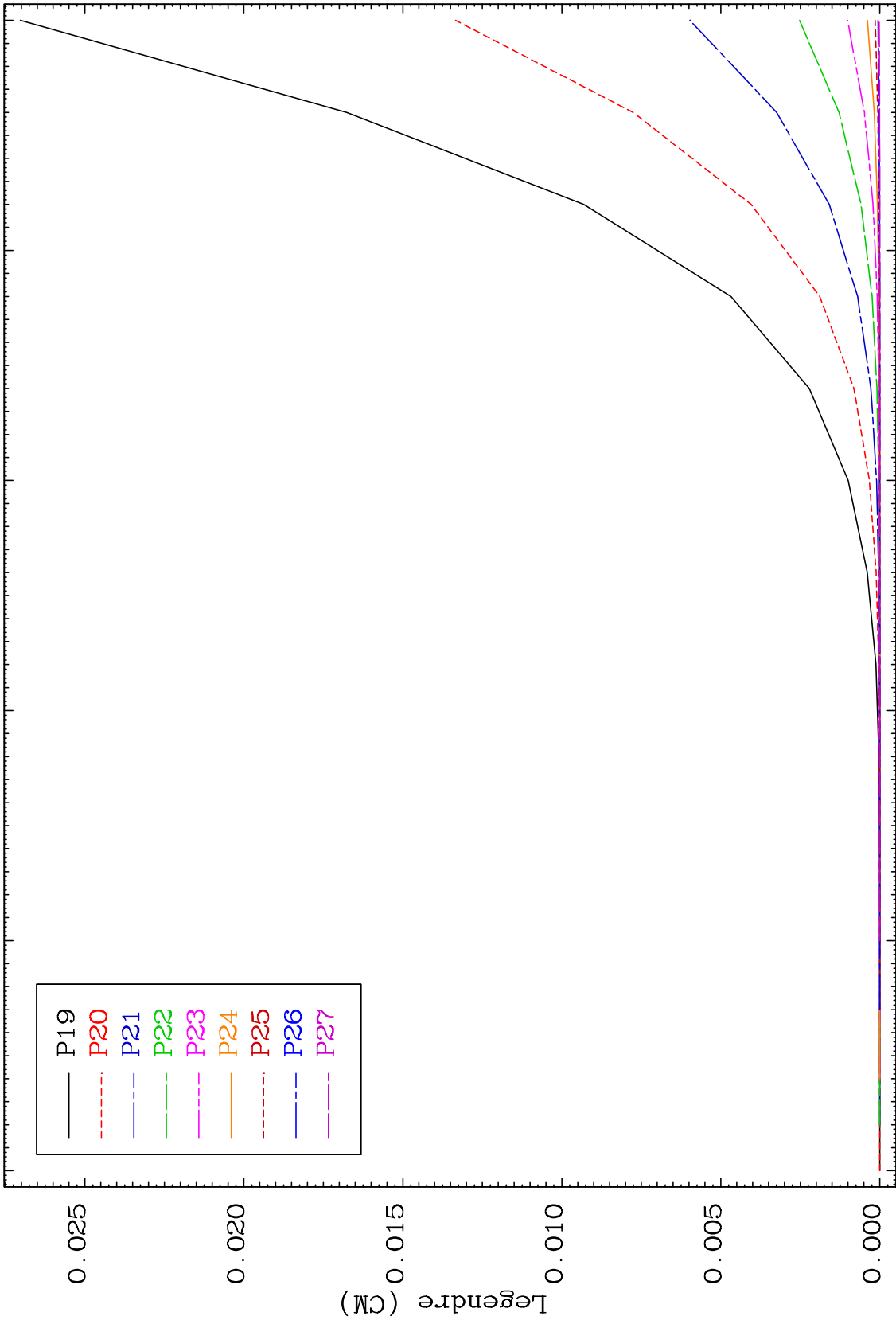
70-Yb-179



MAT 7058

Elastic Legendre Coefficients

70-Yb-179



16

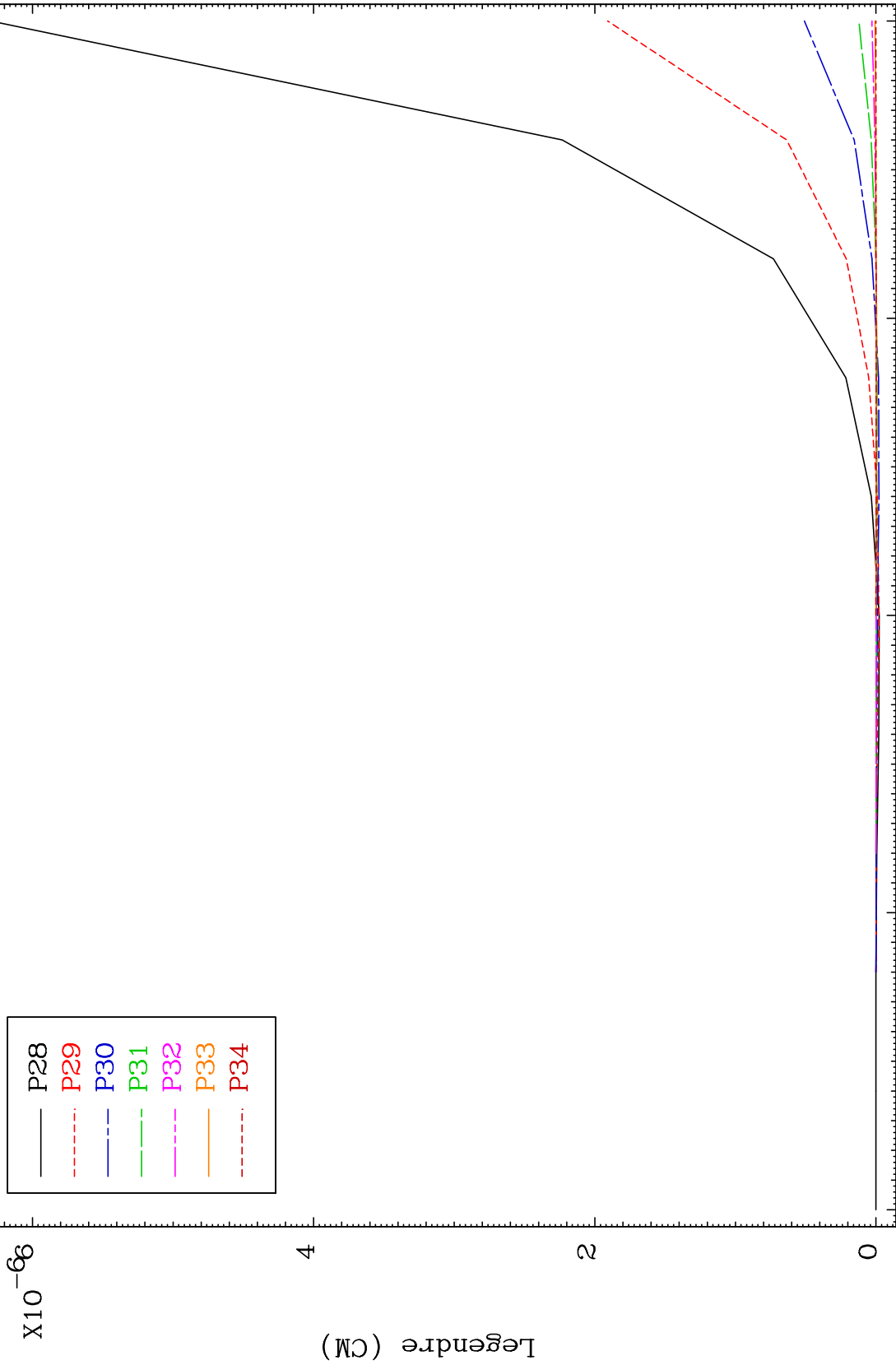
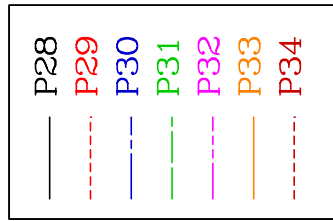
Incident Energy (MeV)

70-Yb-179

MAT 7058

Elastic Legendre Coefficients

70-Yb-179



10

15

20

25

30

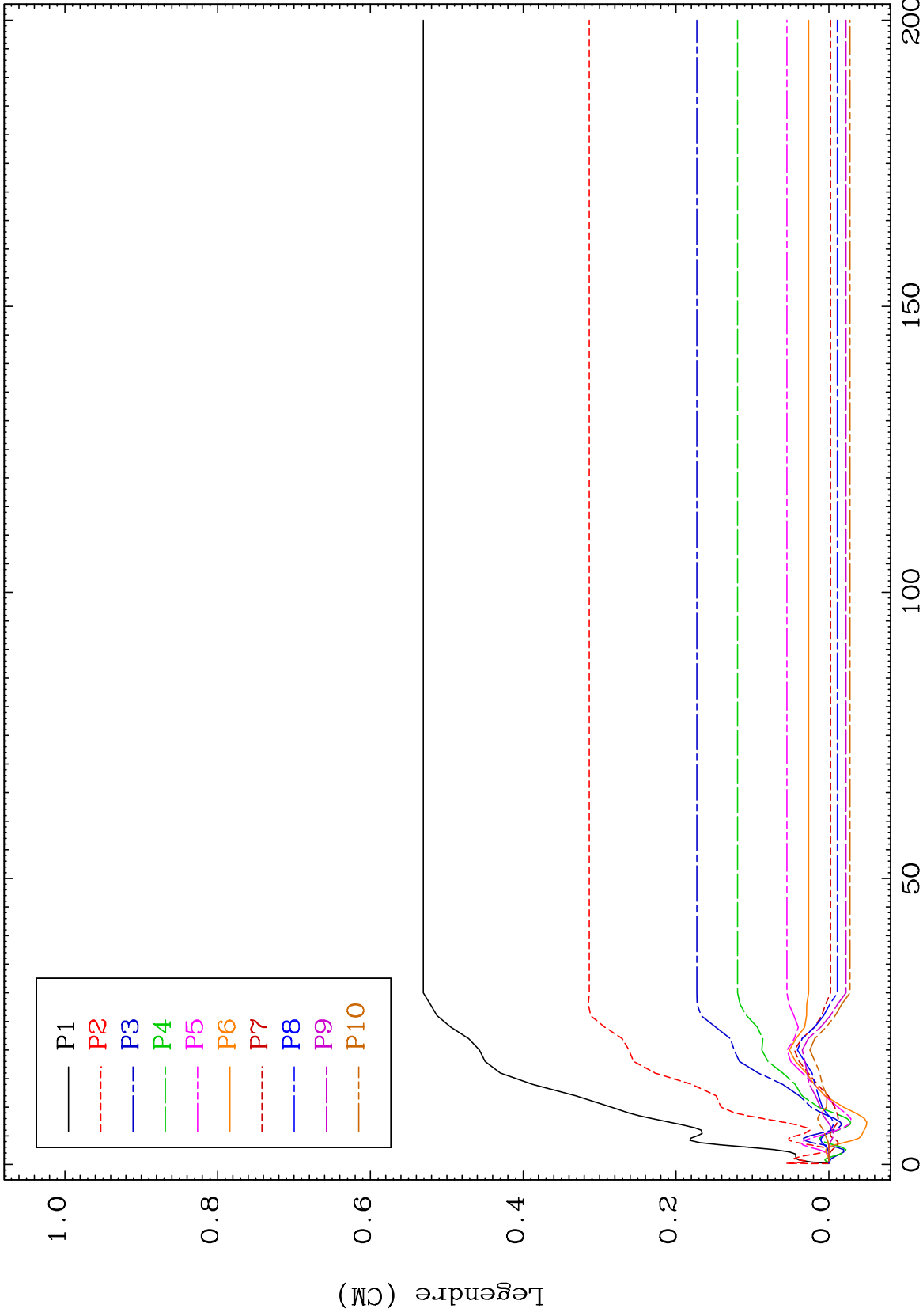
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



18

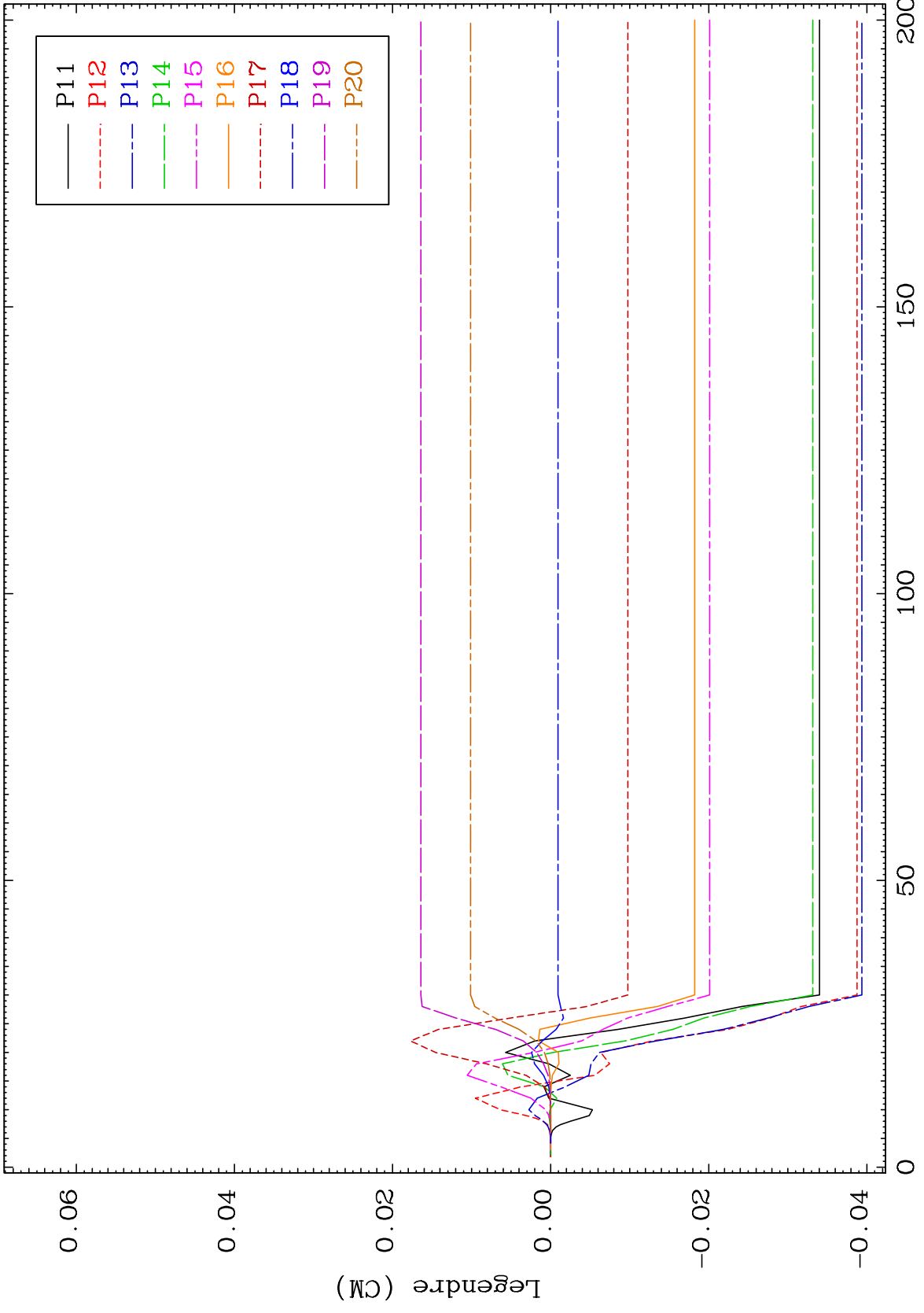
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



19

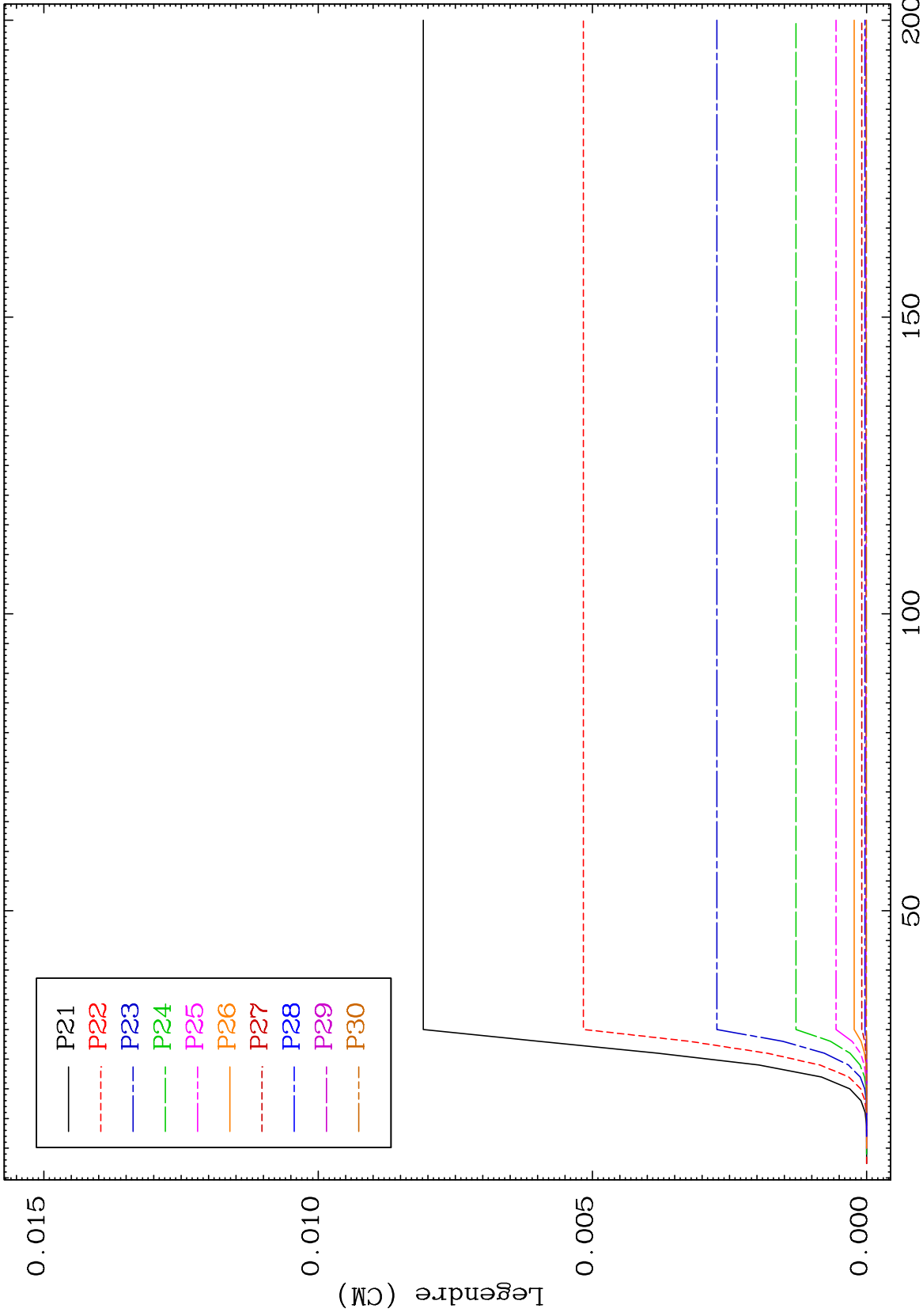
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



20

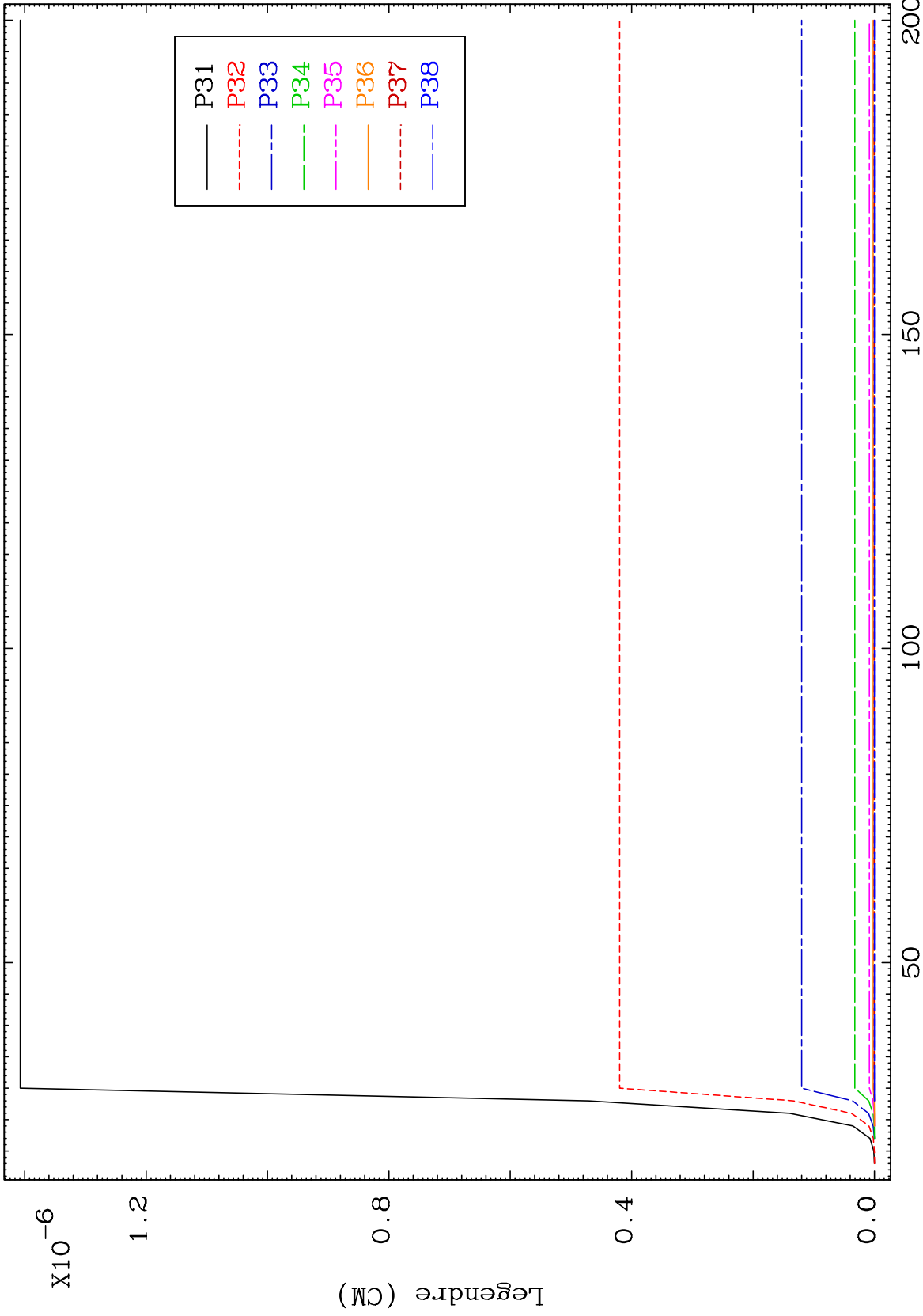
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



21

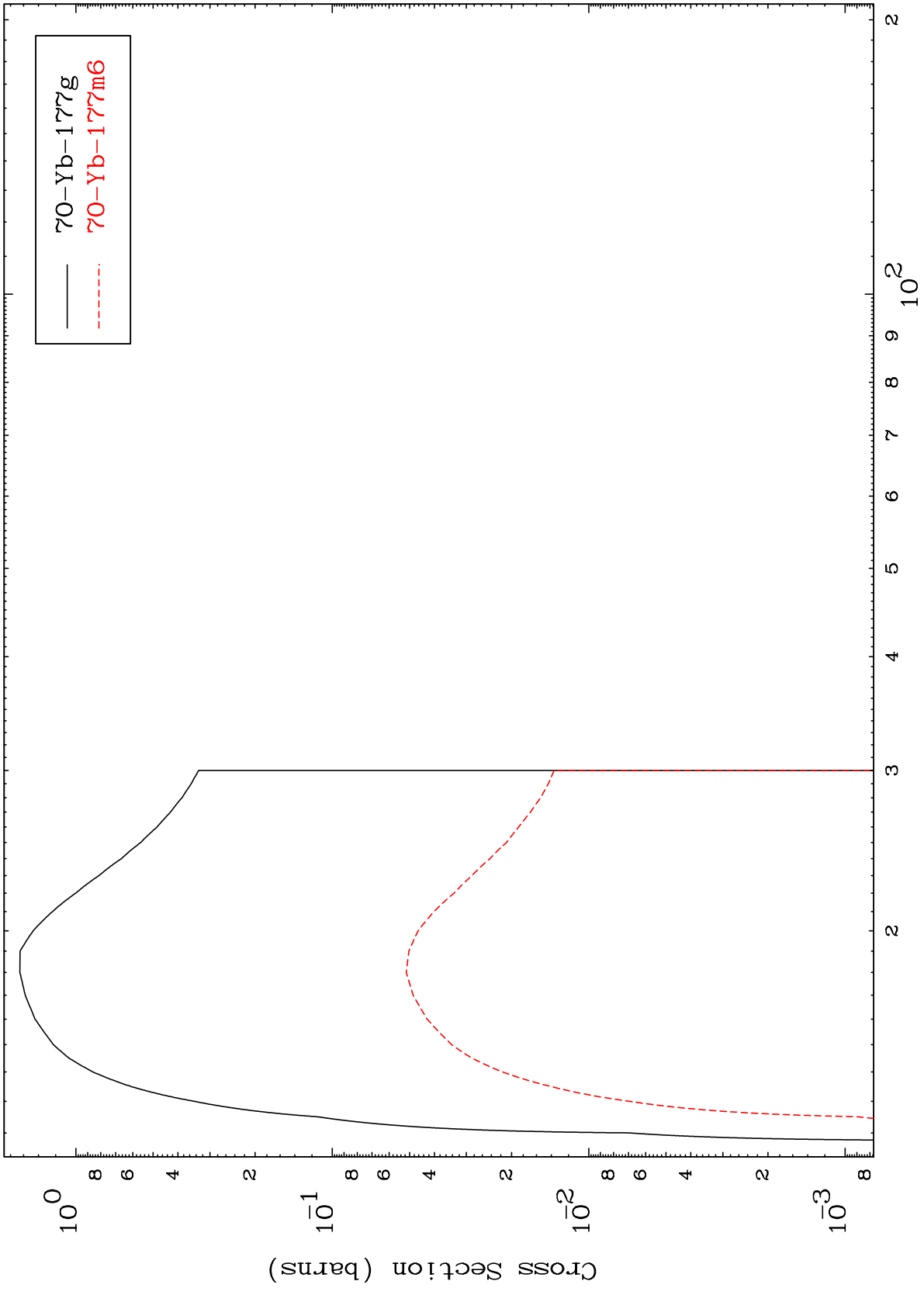
70-Yb-179

MAT 7058

(n,3n)

70-Yb-179

Radionuclide Production Cross Section



22

Incident Energy (MeV)

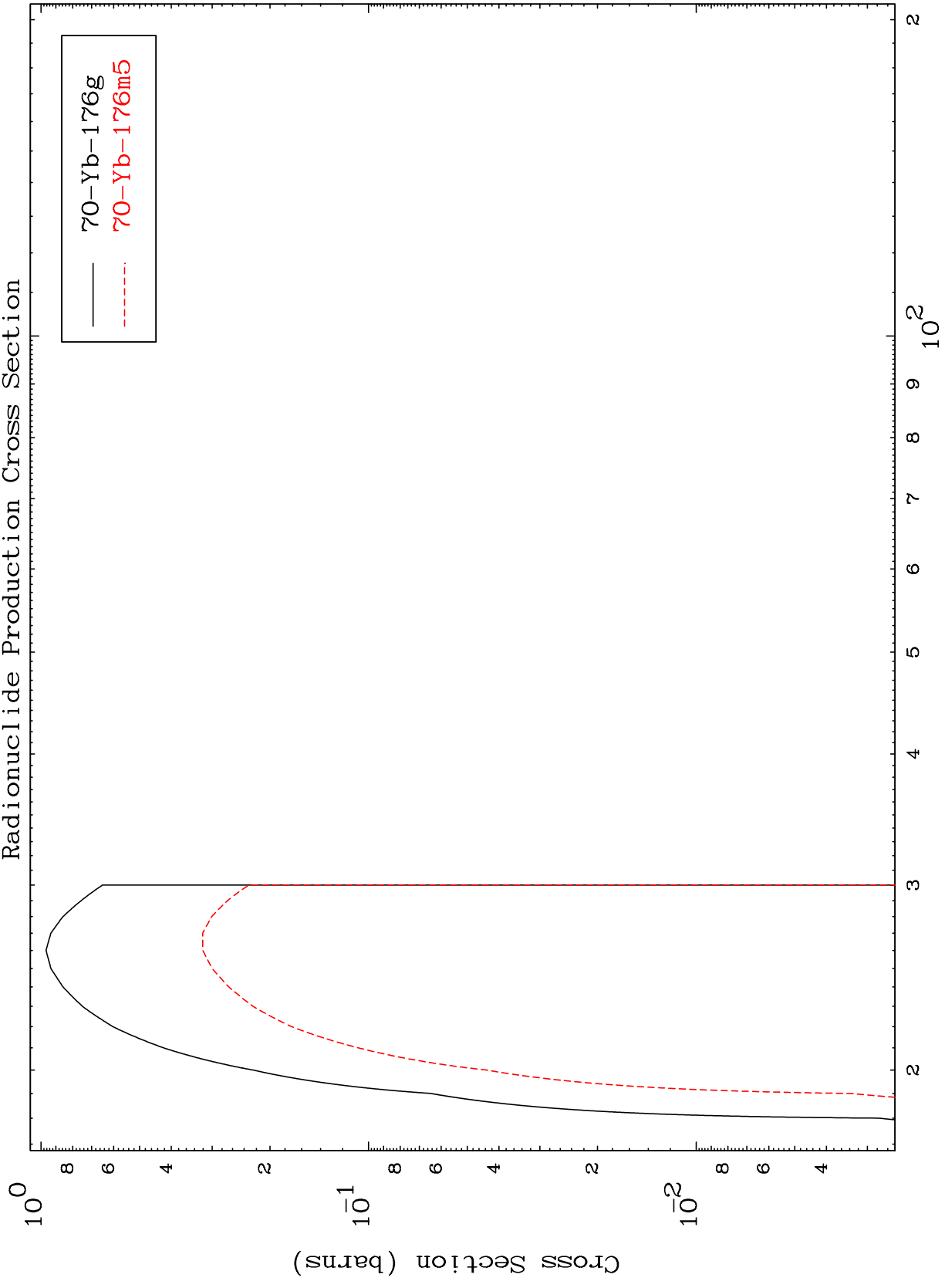
70-Yb-179

MAT 7058

(n,4n)

<sup>70</sup>Yb-179

Radionuclide Production Cross Section



23

Incident Energy (MeV)

<sup>70</sup>Yb-179