

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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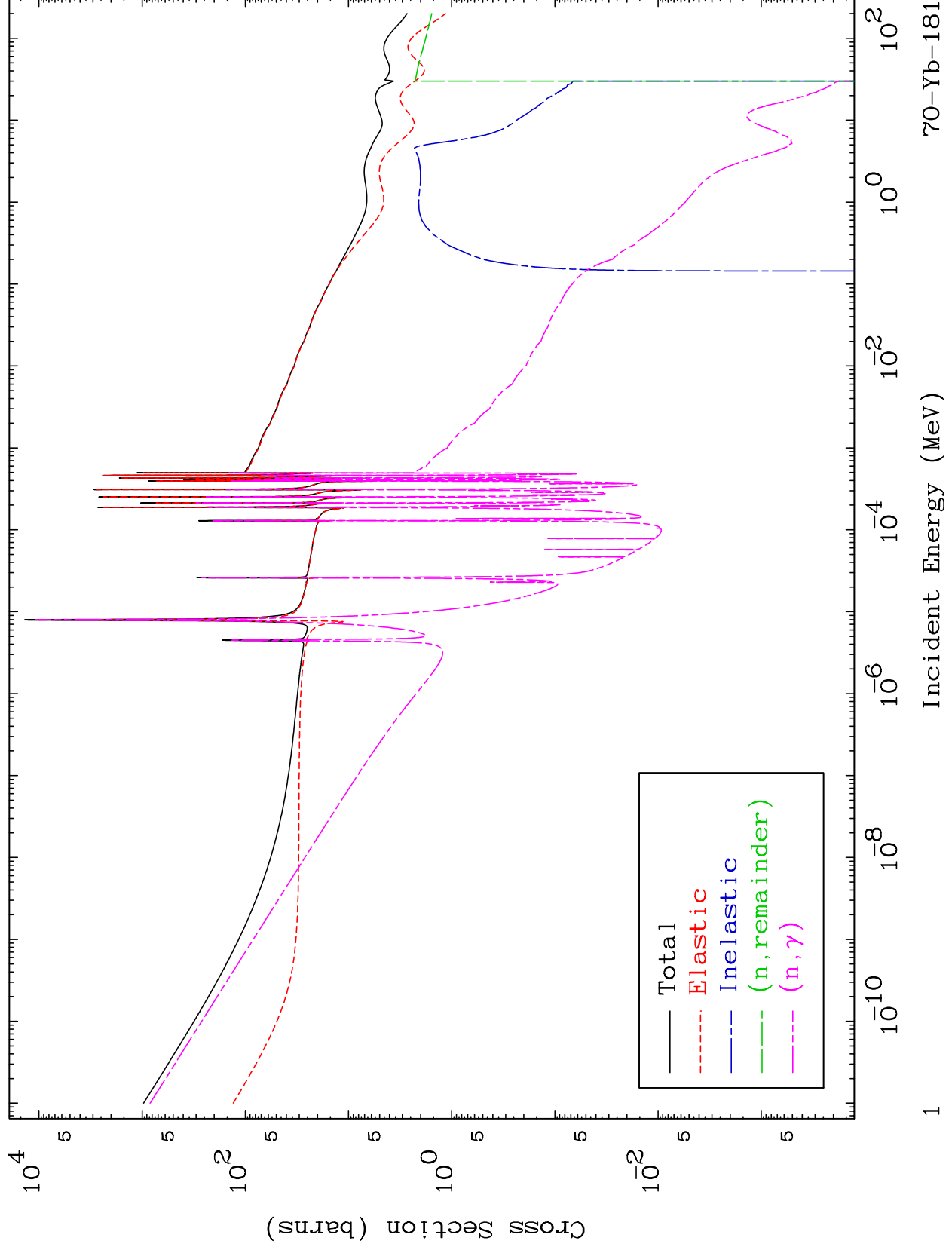
Press Mouse Button to Start

MAT 7064

Major

293 Kelvin Cross Sections

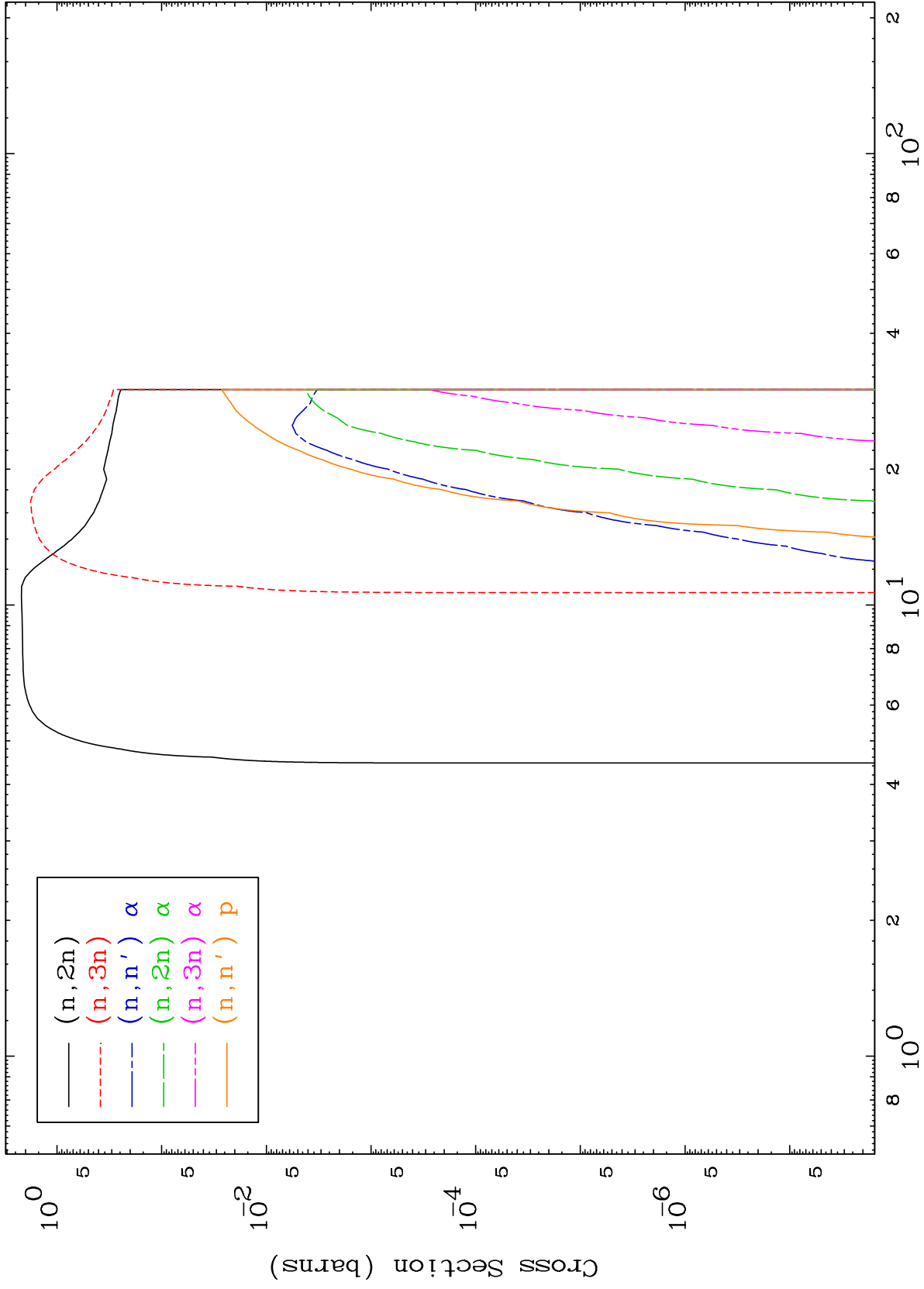
70-Yb-181



MAT 7064

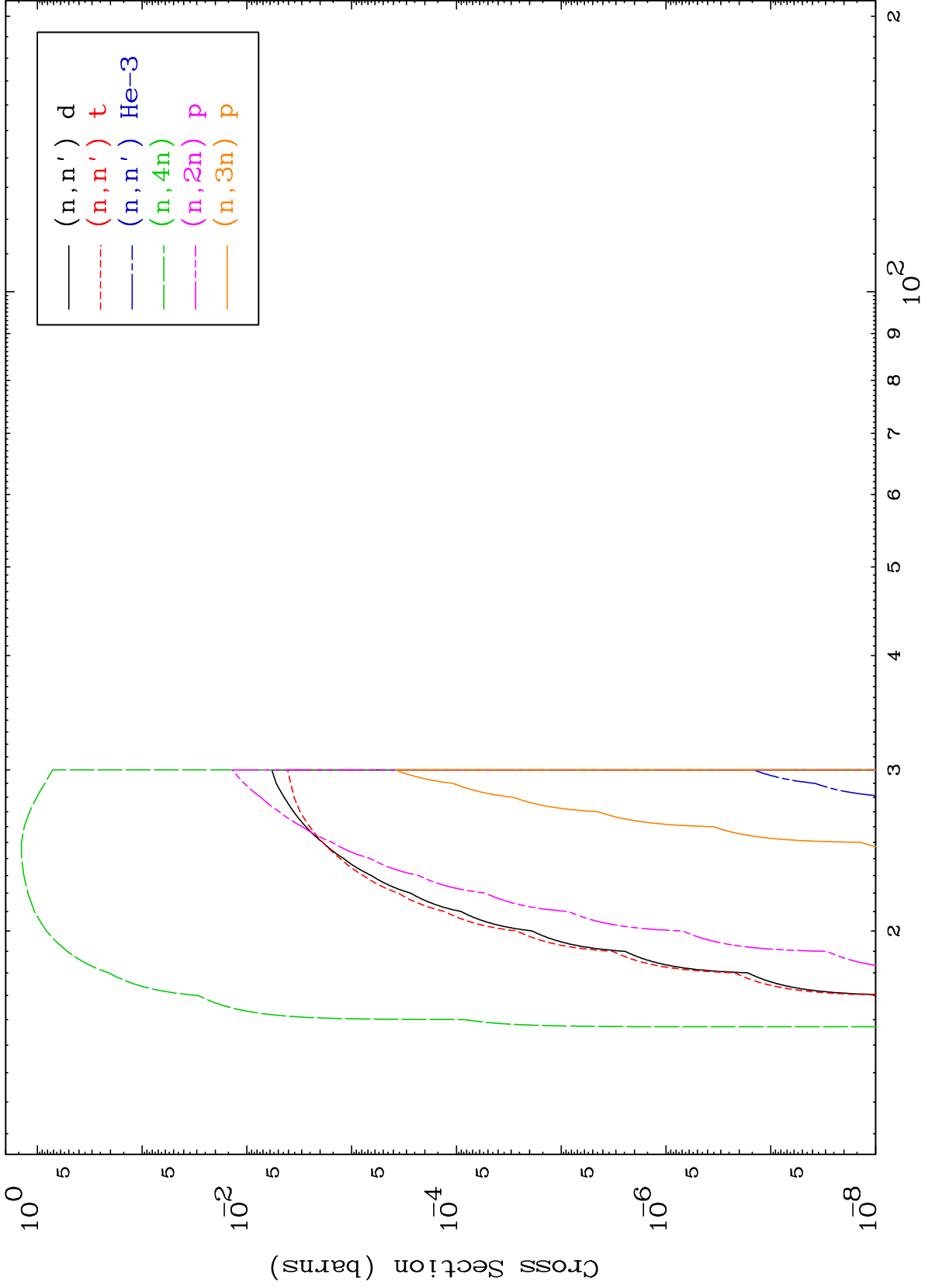
Neutron Production  
293 Kelvin Cross Sections

70-Yb-181



70-Yb-181

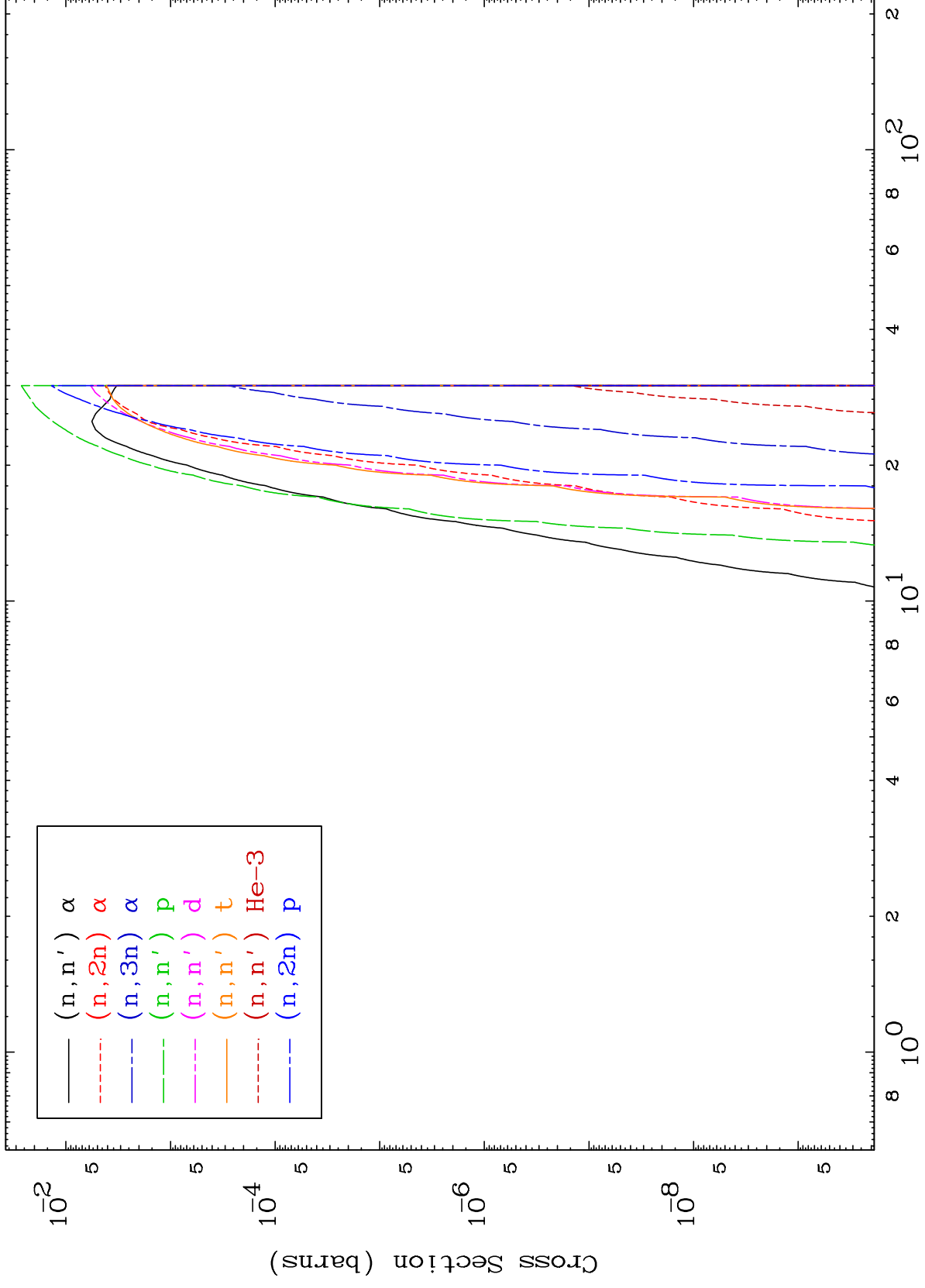
Incident Energy (MeV)



MAT 7064

Charged Particle  
293 Kelvin Cross Sections

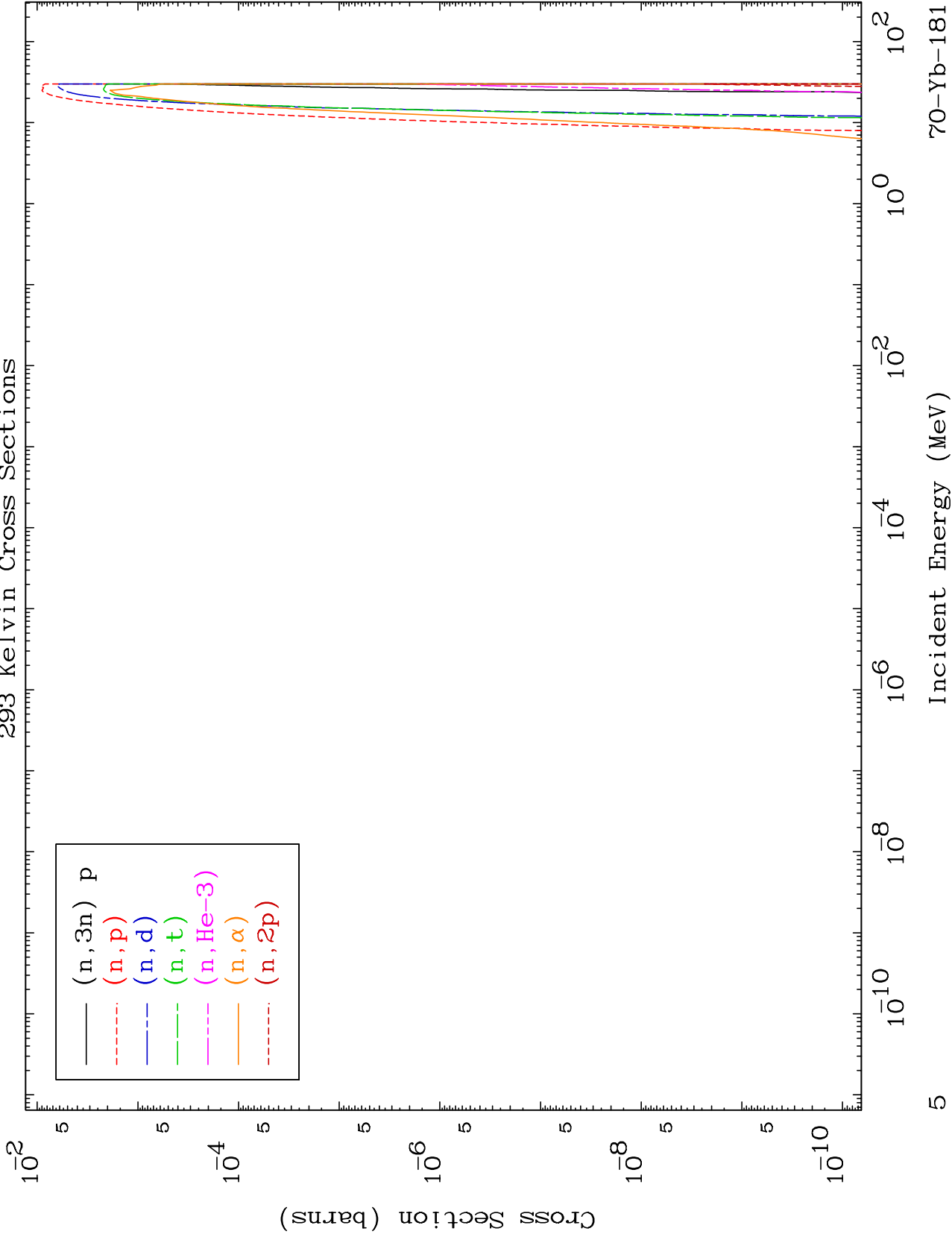
70-Yb-181



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Charged Particle  
293 Kelvin Cross Sections

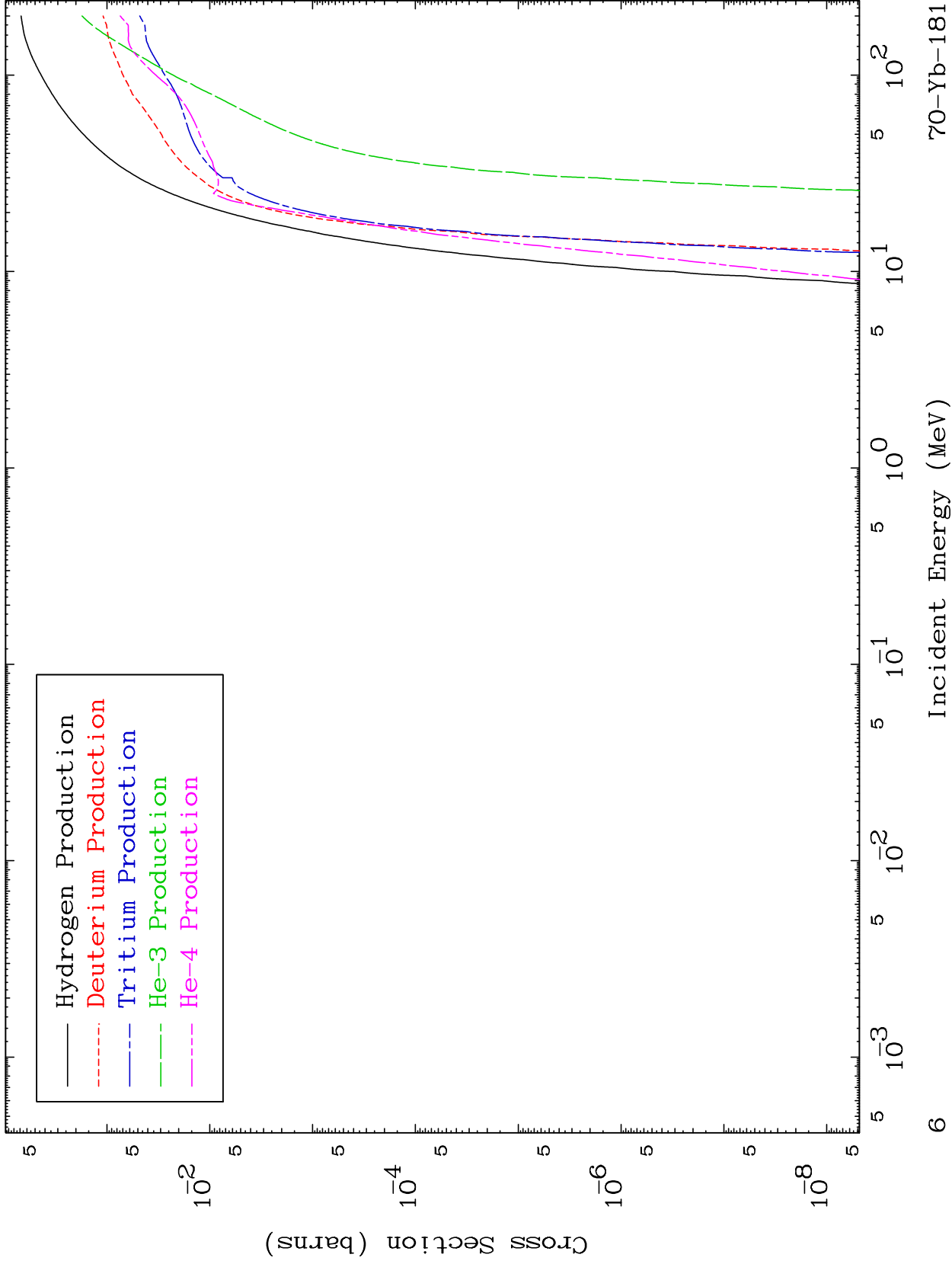
70-Yb-181



MAT 7064

Particle Production  
293 Kelvin Cross Sections

70-Yb-181



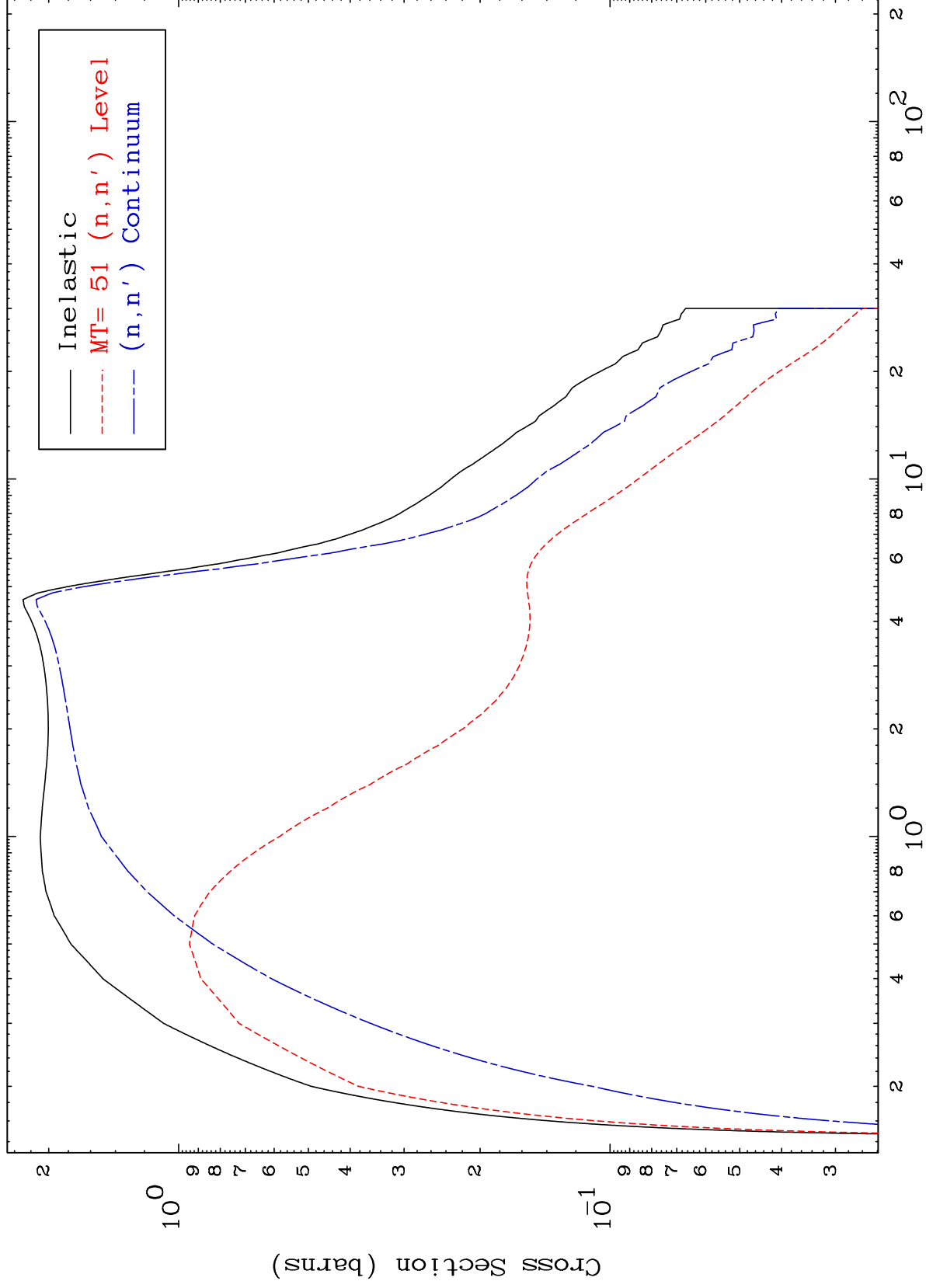
6

MAT 7064

(n,n') Level

70-Yb-181

293 Kelvin Cross Sections



7

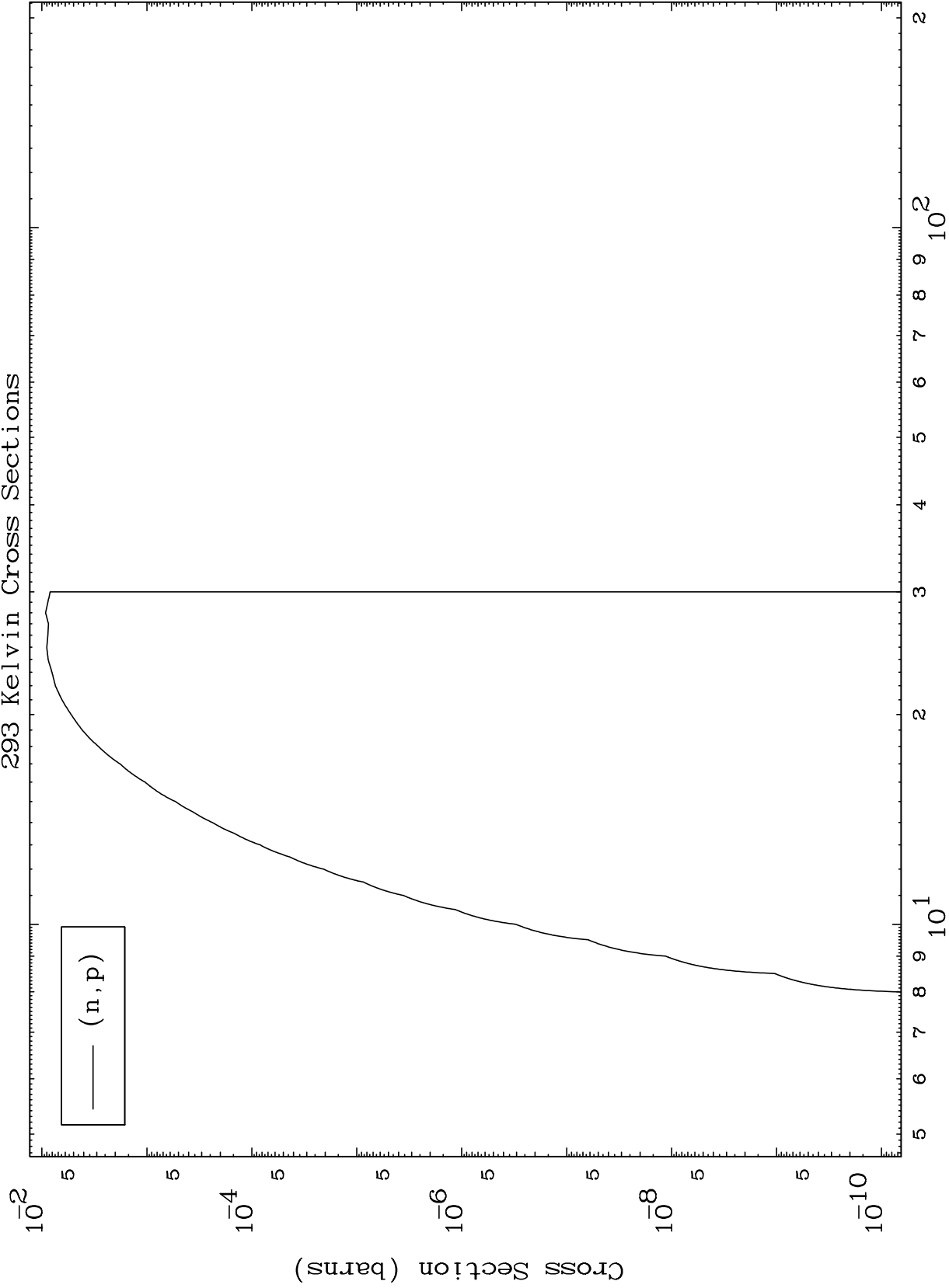
Incident Energy (MeV)

70-Yb-181

MAT 7064

70-Yb-181

(n,p) Levels  
293 Kelvin Cross Sections



8

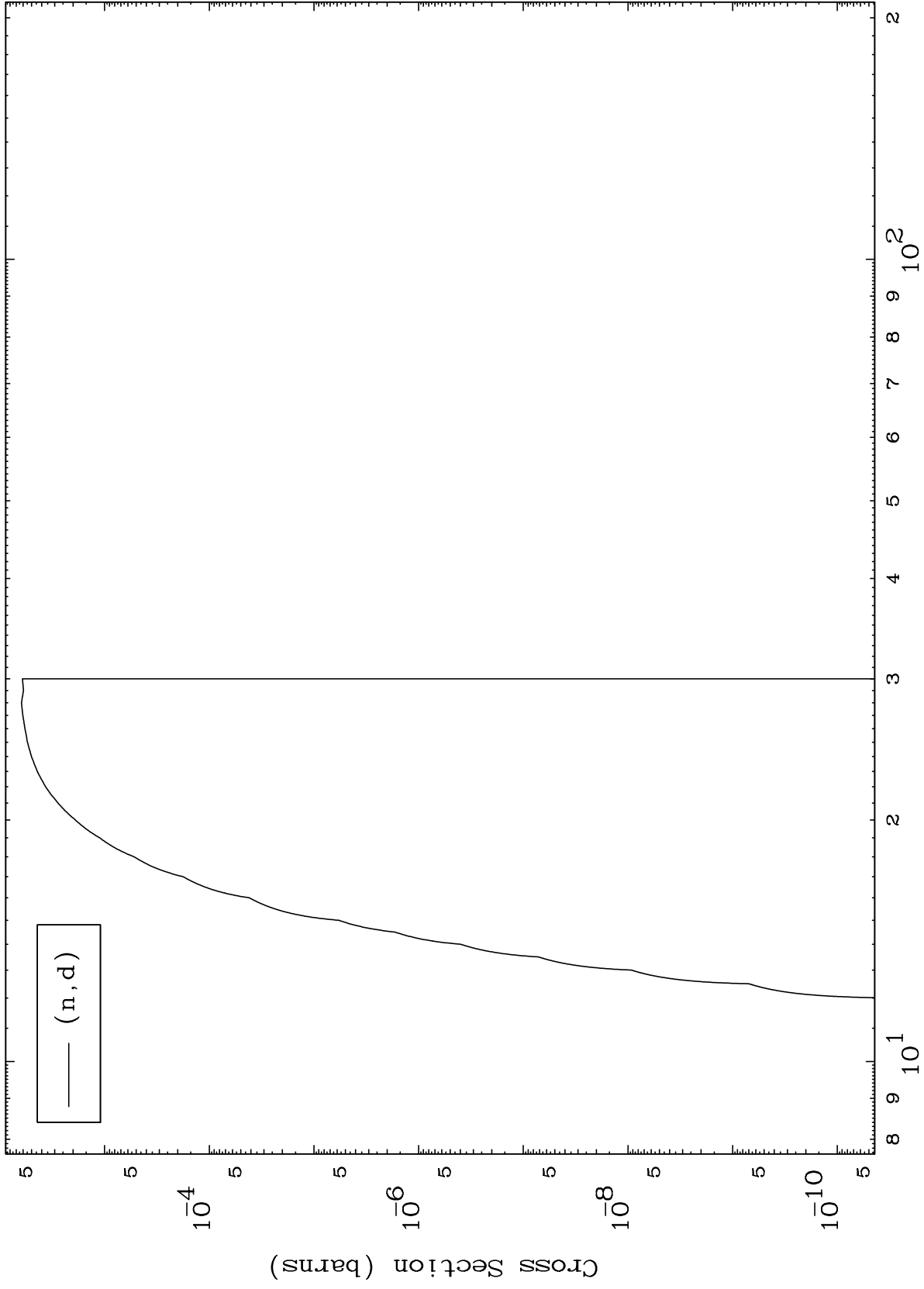
Incident Energy (MeV)

70-Yb-181

MAT 7064

(n,d) Levels  
293 Kelvin Cross Sections

70-Yb-181



9

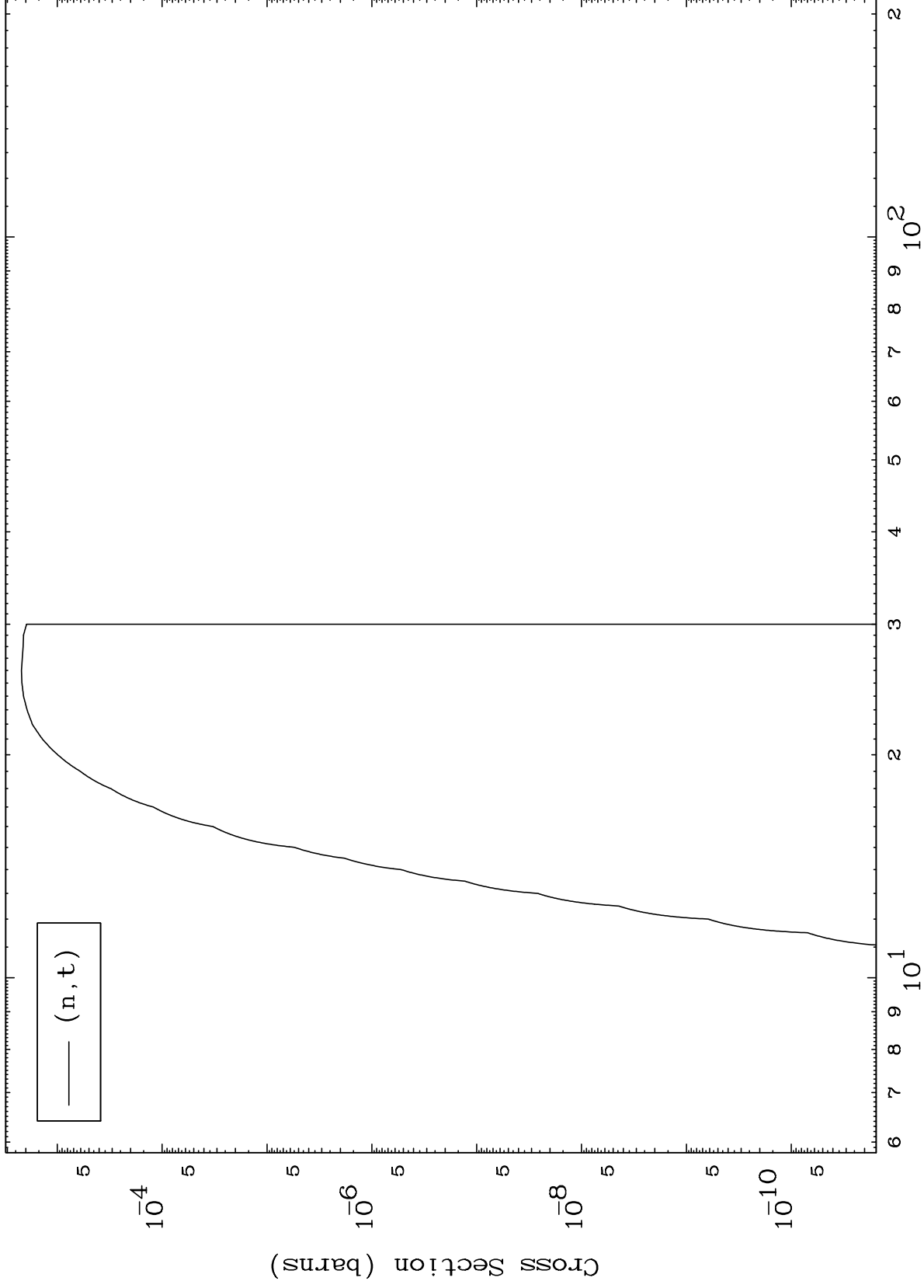
Incident Energy (MeV)

70-Yb-181

MAT 7064

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-181



10

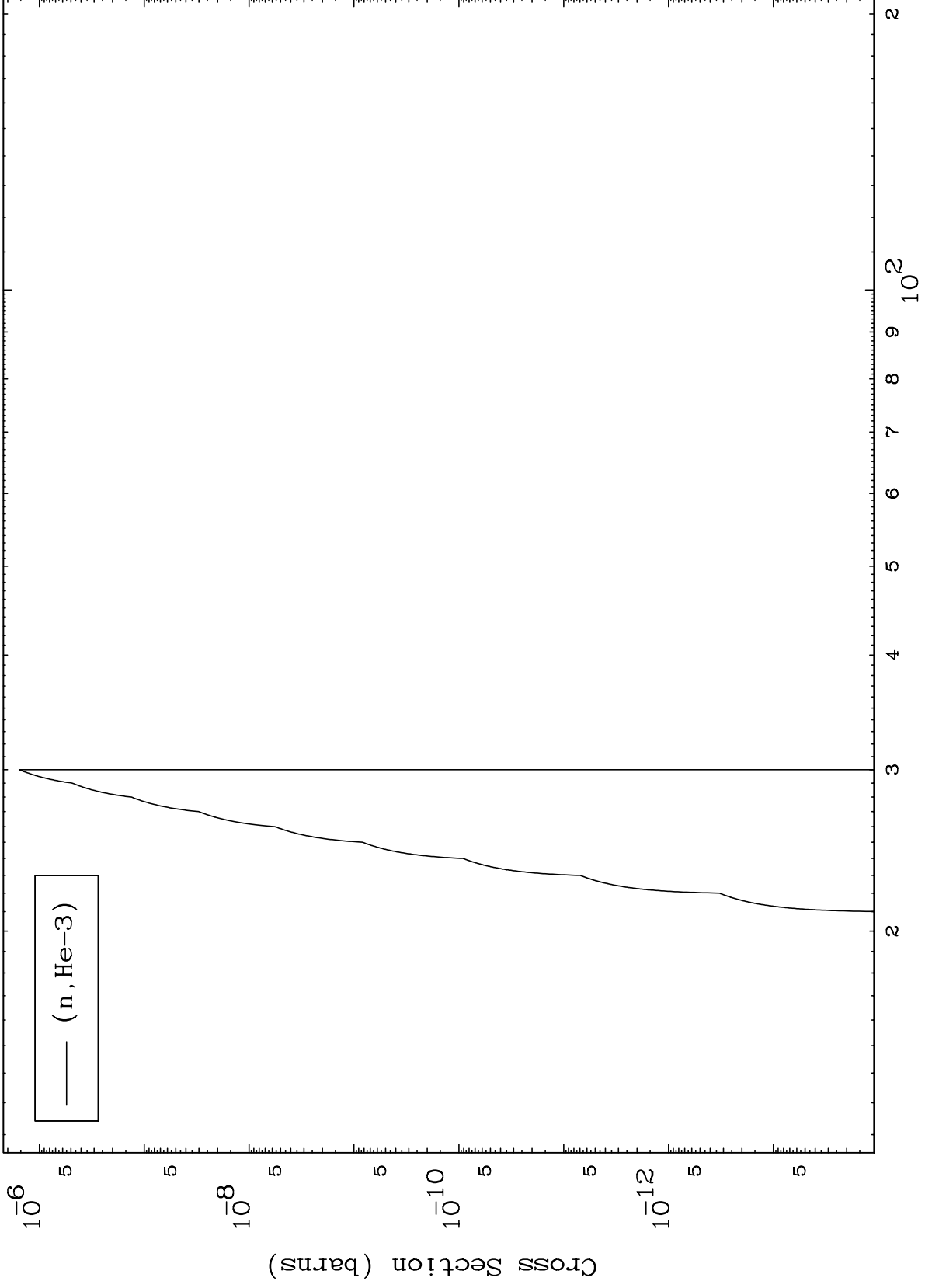
Incident Energy (MeV)

70-Yb-181

MAT 7064

(n,He3) Levels  
293 Kelvin Cross Sections

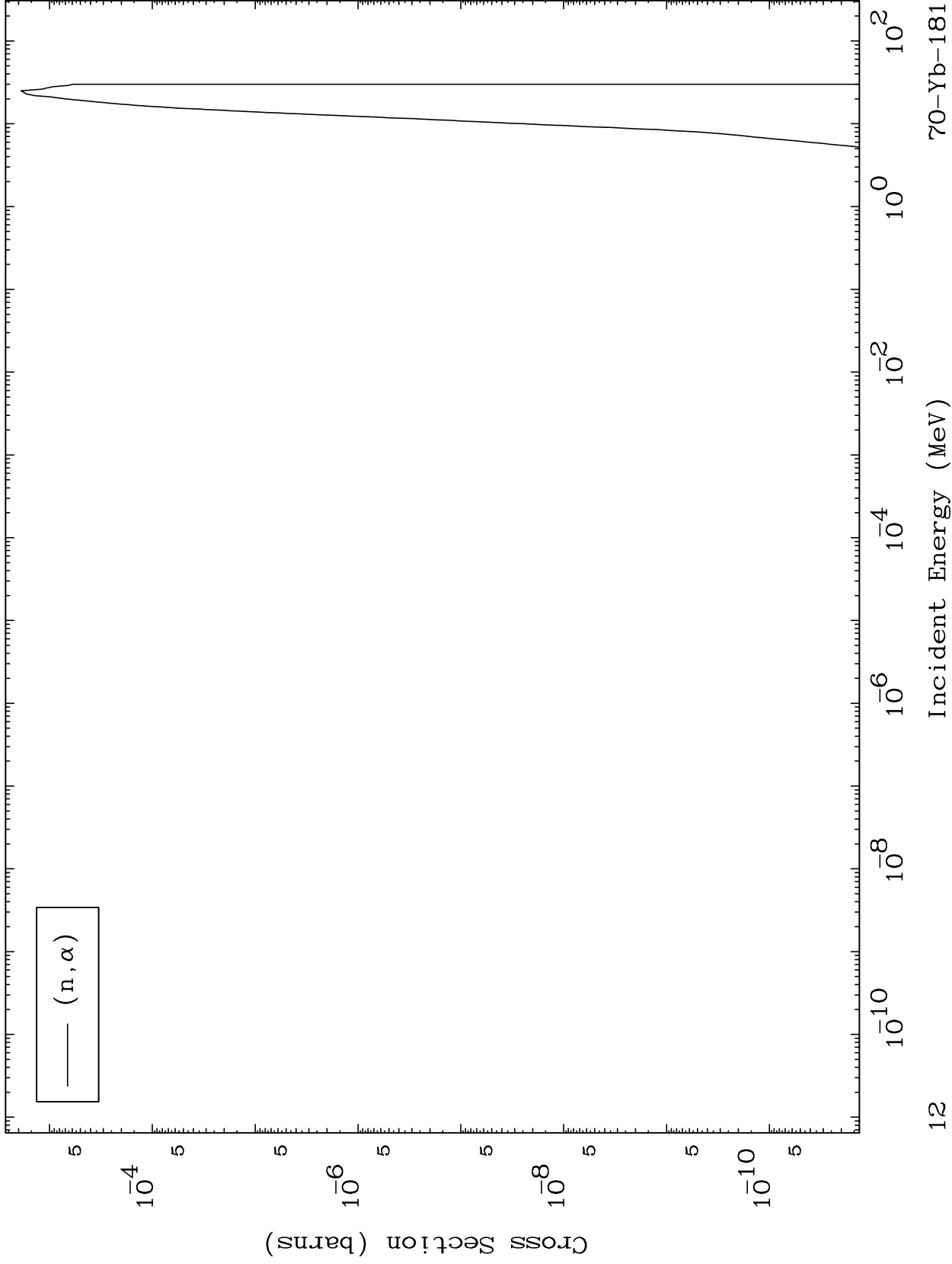
70-Yb-181



MAT 7064

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

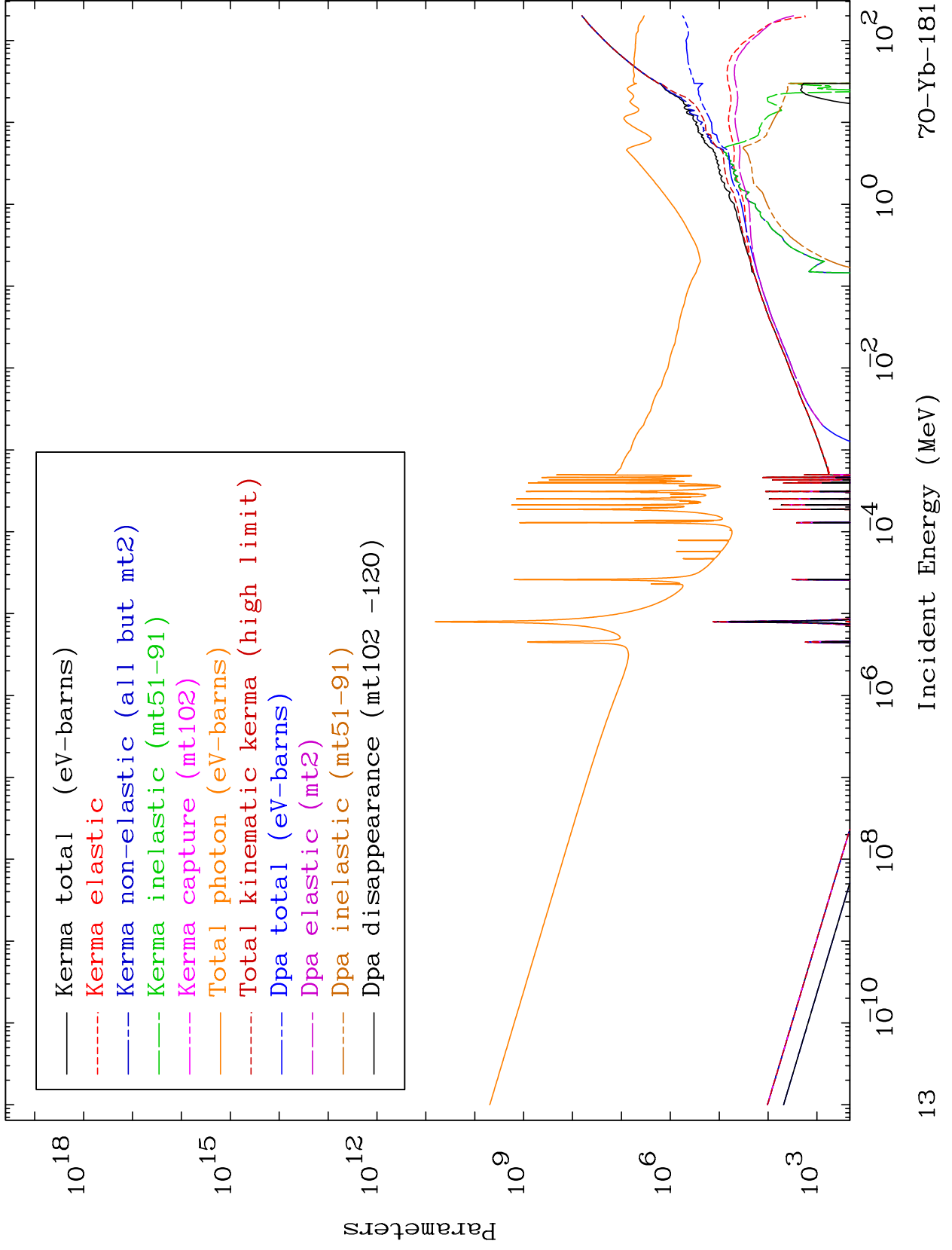
70-Yb-181

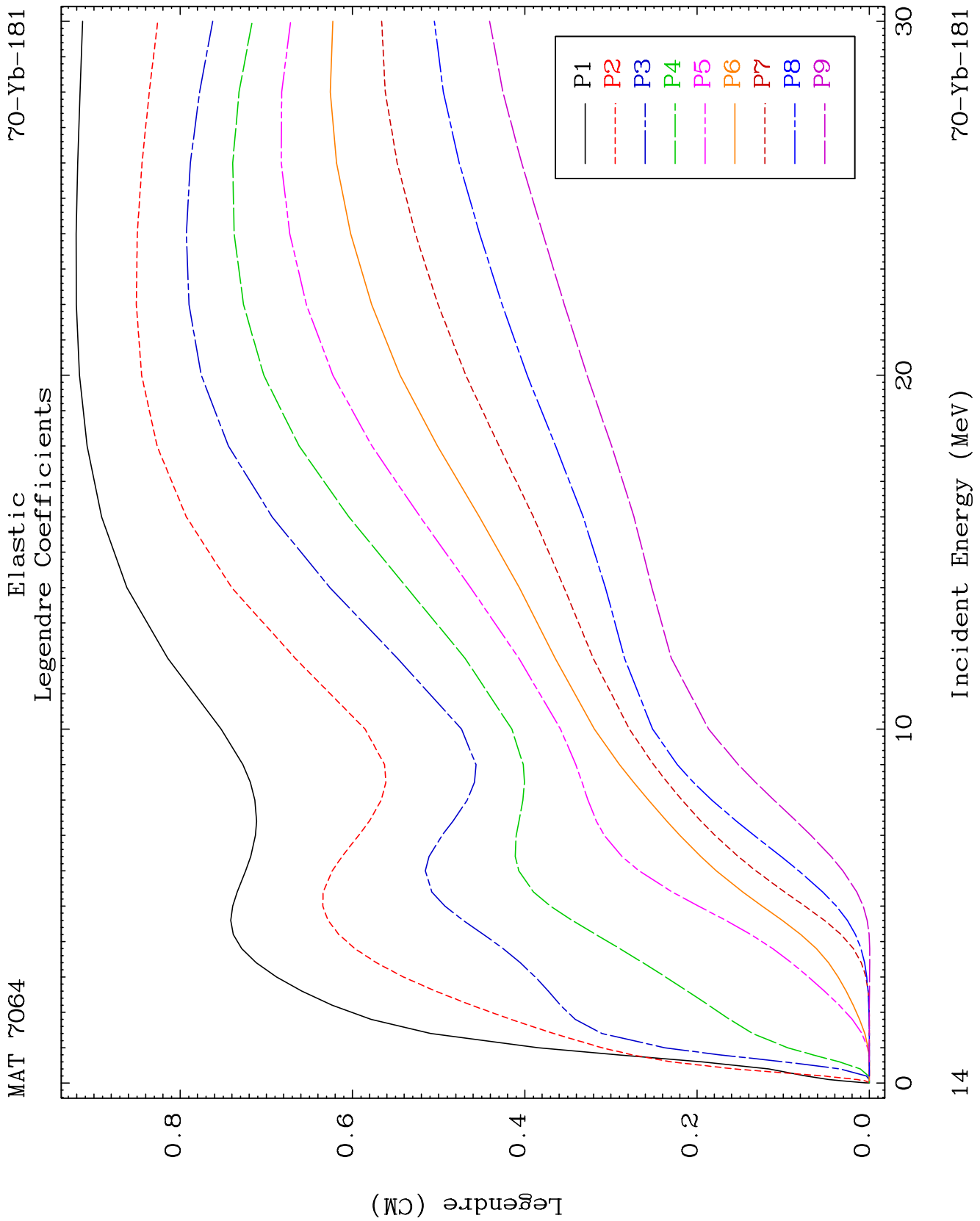


12

Incident Energy (MeV)

70-Yb-181





MAT 7064

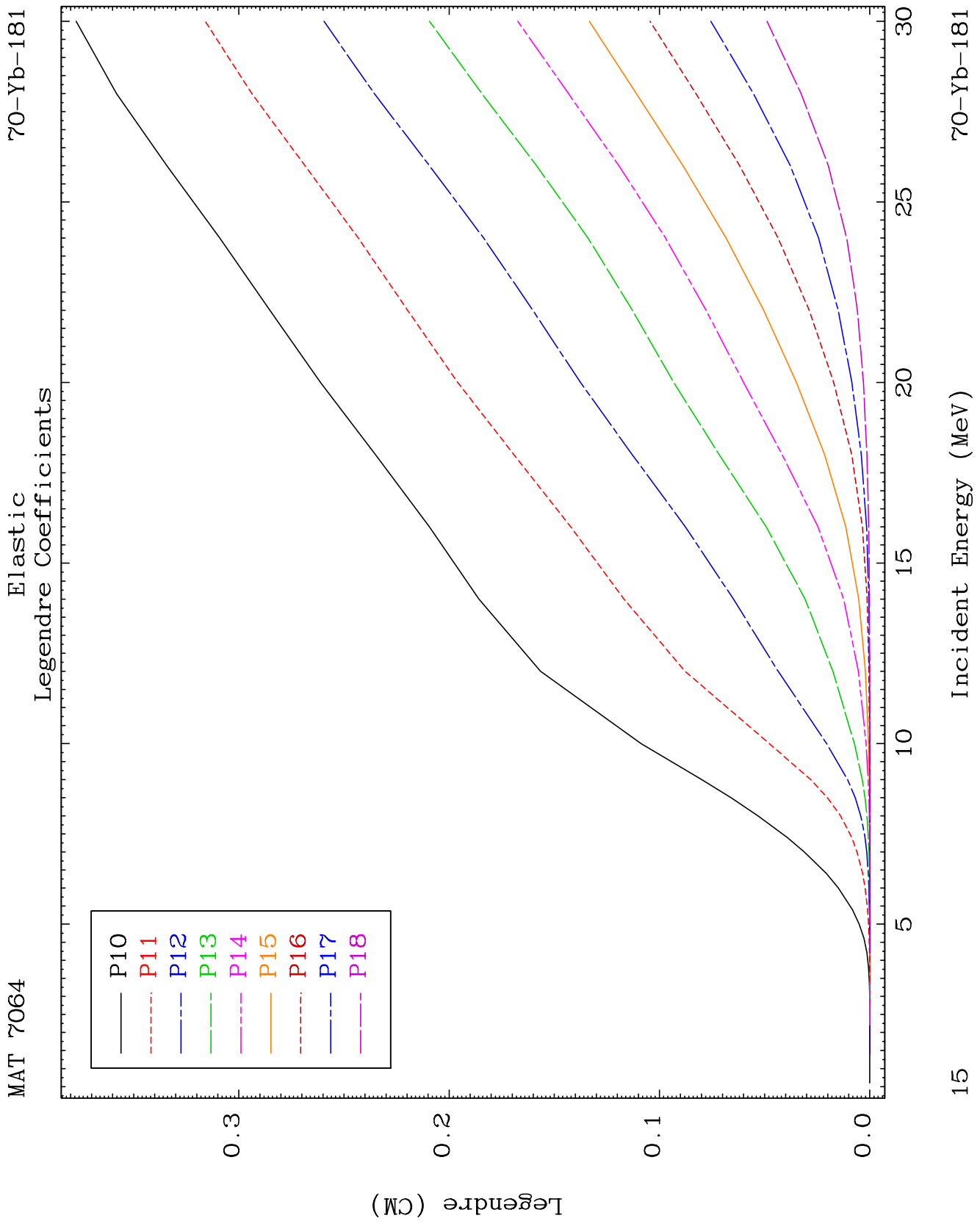
Elastic Legendre Coefficients

$^{70}\text{Yb-181}$

14

Incident Energy (MeV)

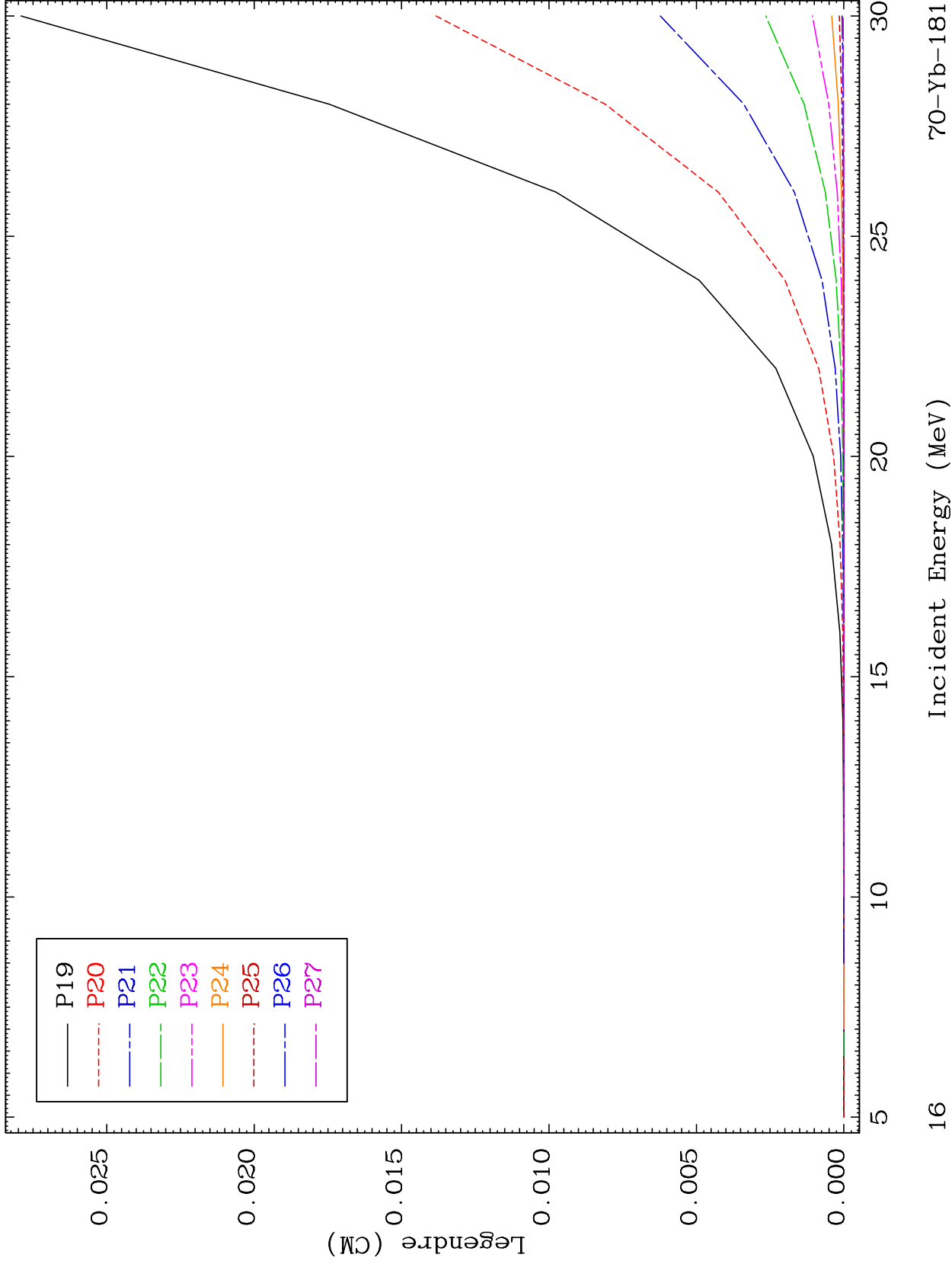
$^{70}\text{Yb-181}$



MAT 7064

### Elastic Legendre Coefficients

70-Yb-181



16

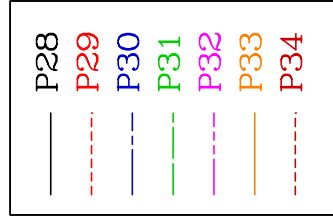
Incident Energy (MeV)

70-Yb-181

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Elastic  
Legendre Coefficients

70-Yb-181



$\times 10^{-6}$

Legendre (CM)

6

4

2

0

15

20

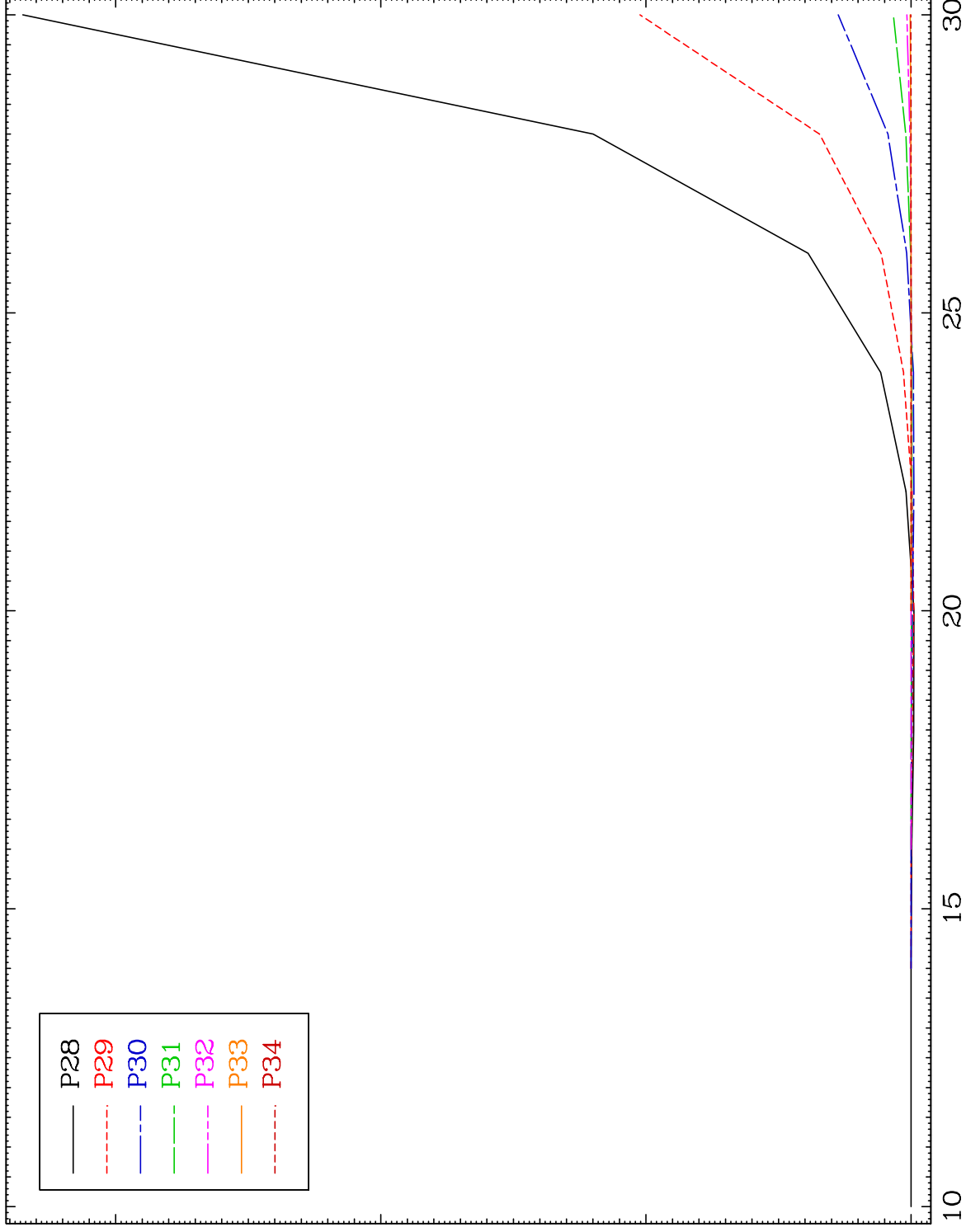
25

30

17

Incident Energy (MeV)

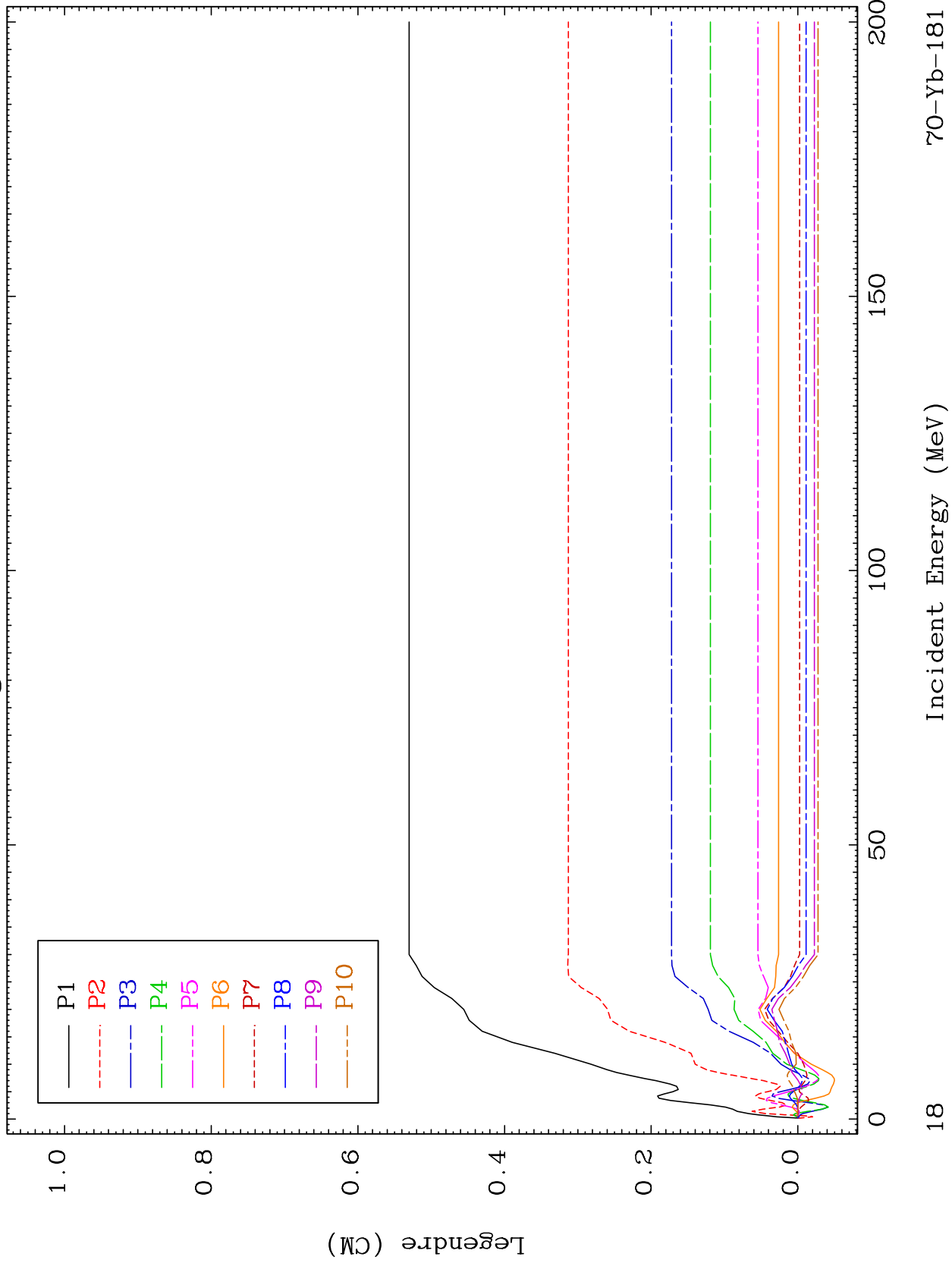
70-Yb-181



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

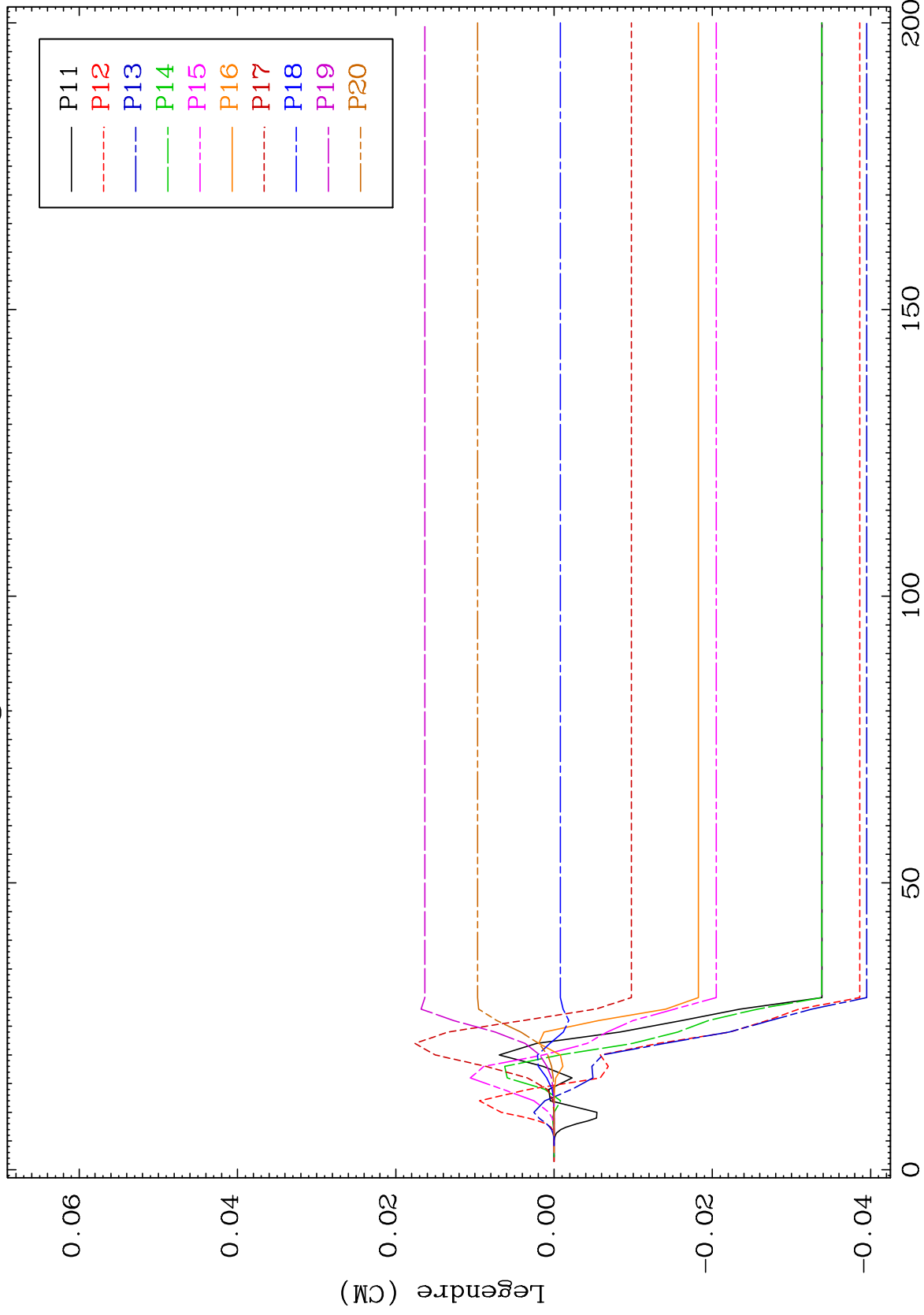
70-Yb-181



MAT 7064

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

70-Yb-181



19

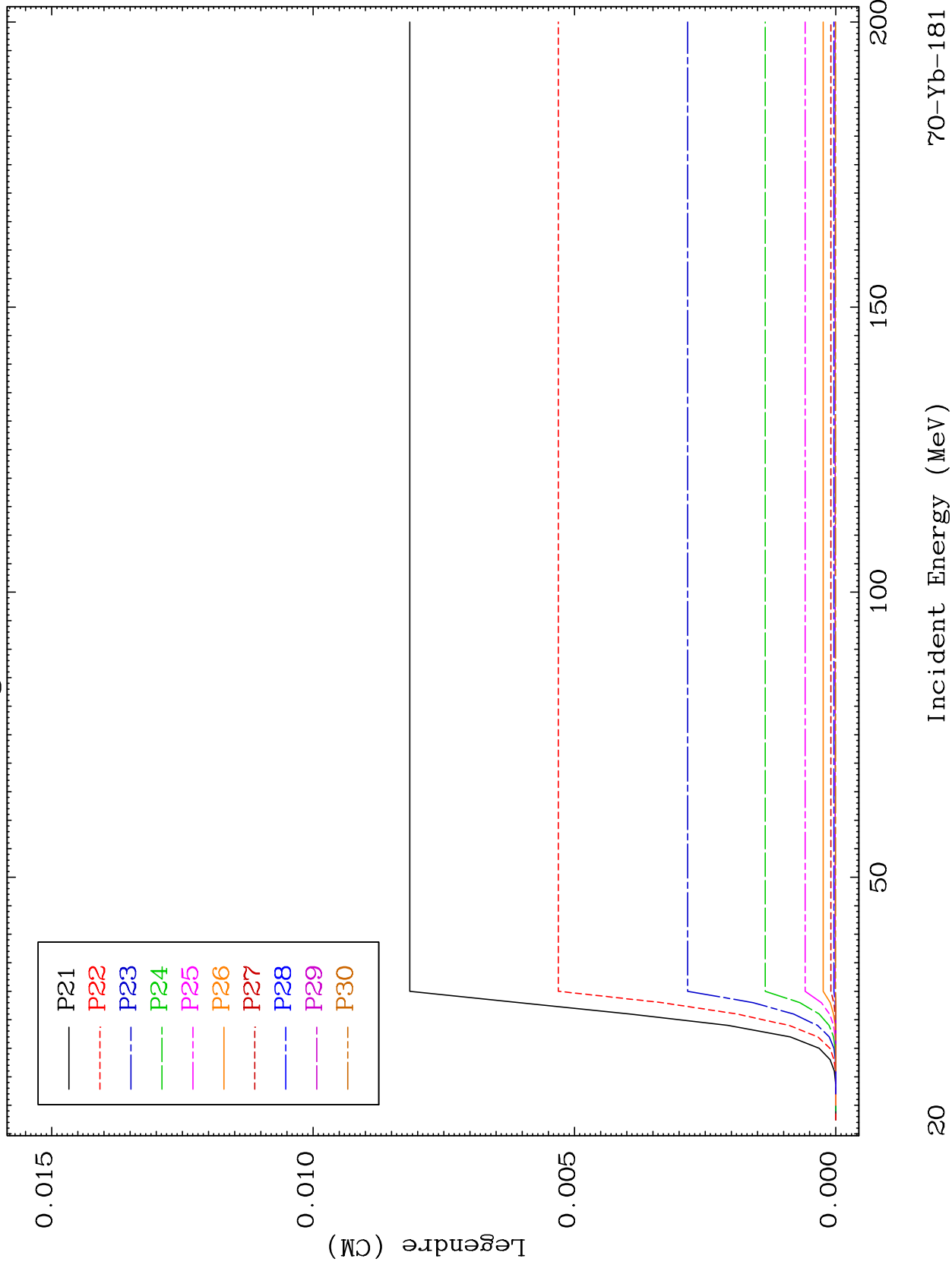
Incident Energy (MeV)

70-Yb-181

MAT 7064

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

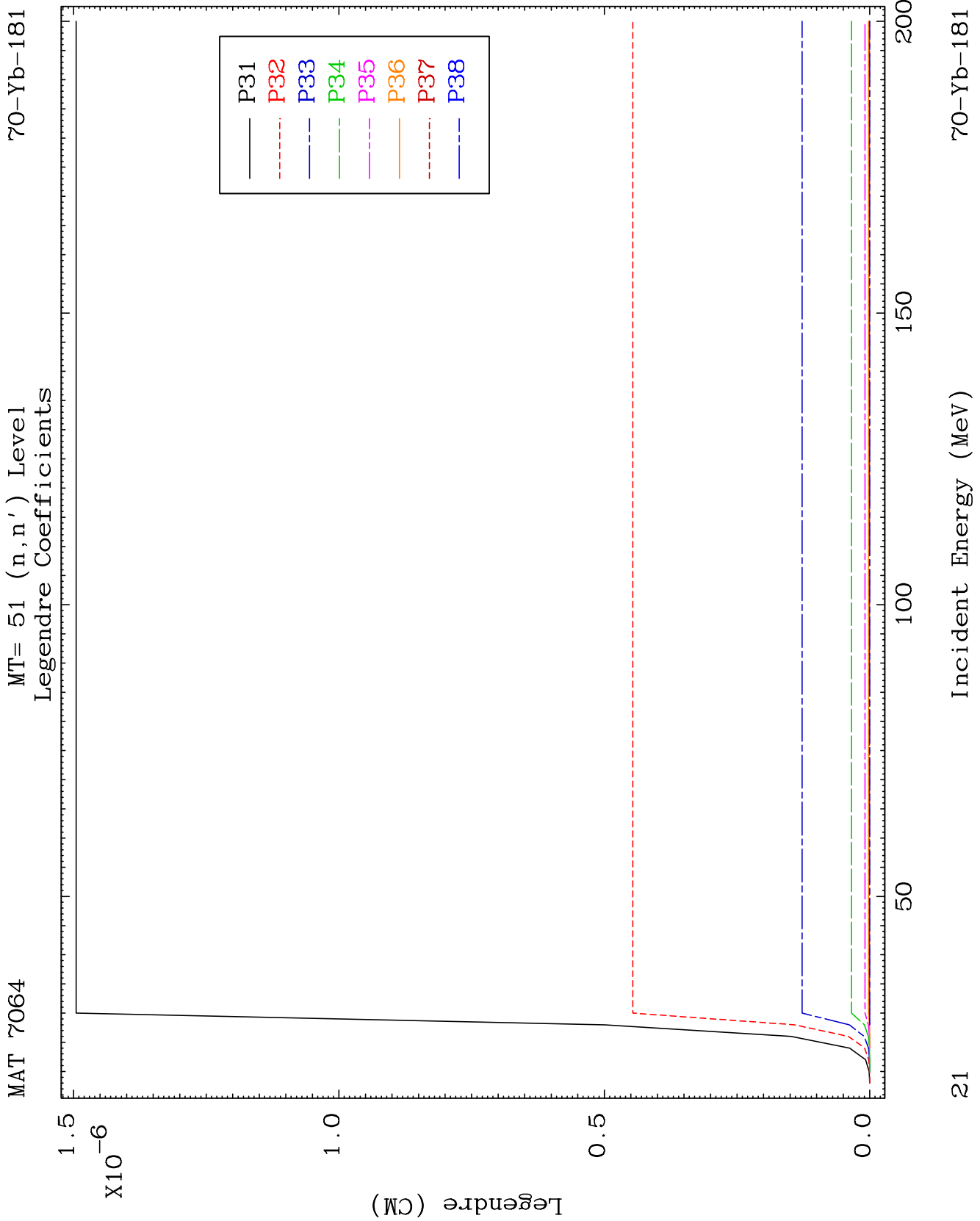
70-Yb-181



20

Incident Energy (MeV)

70-Yb-181



MAT 7064

Fission

70-Yb-181

Radionuclide Production Cross Section

