

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

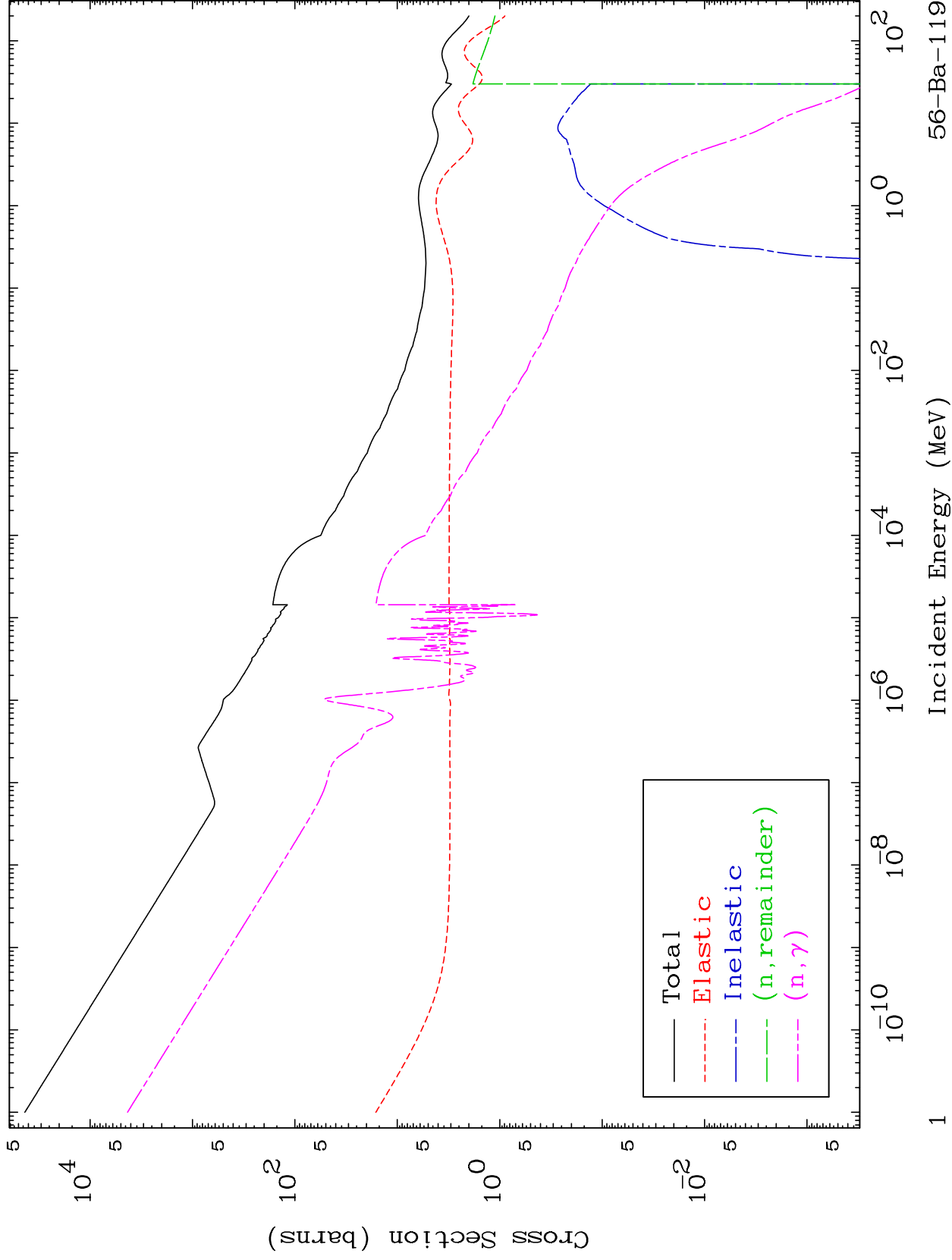
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5592

Major  
293 Kelvin Cross Sections

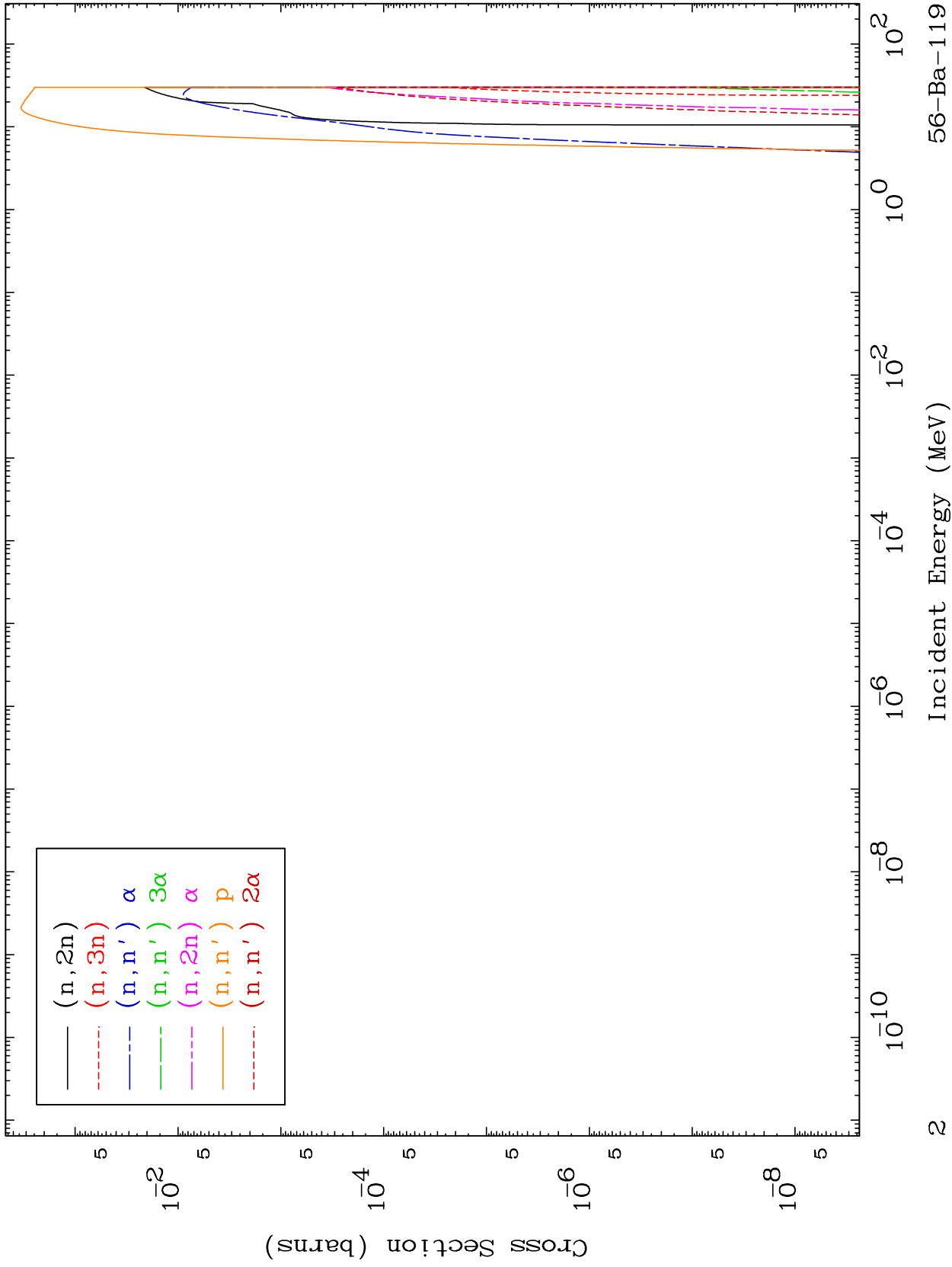
56-Ba-119

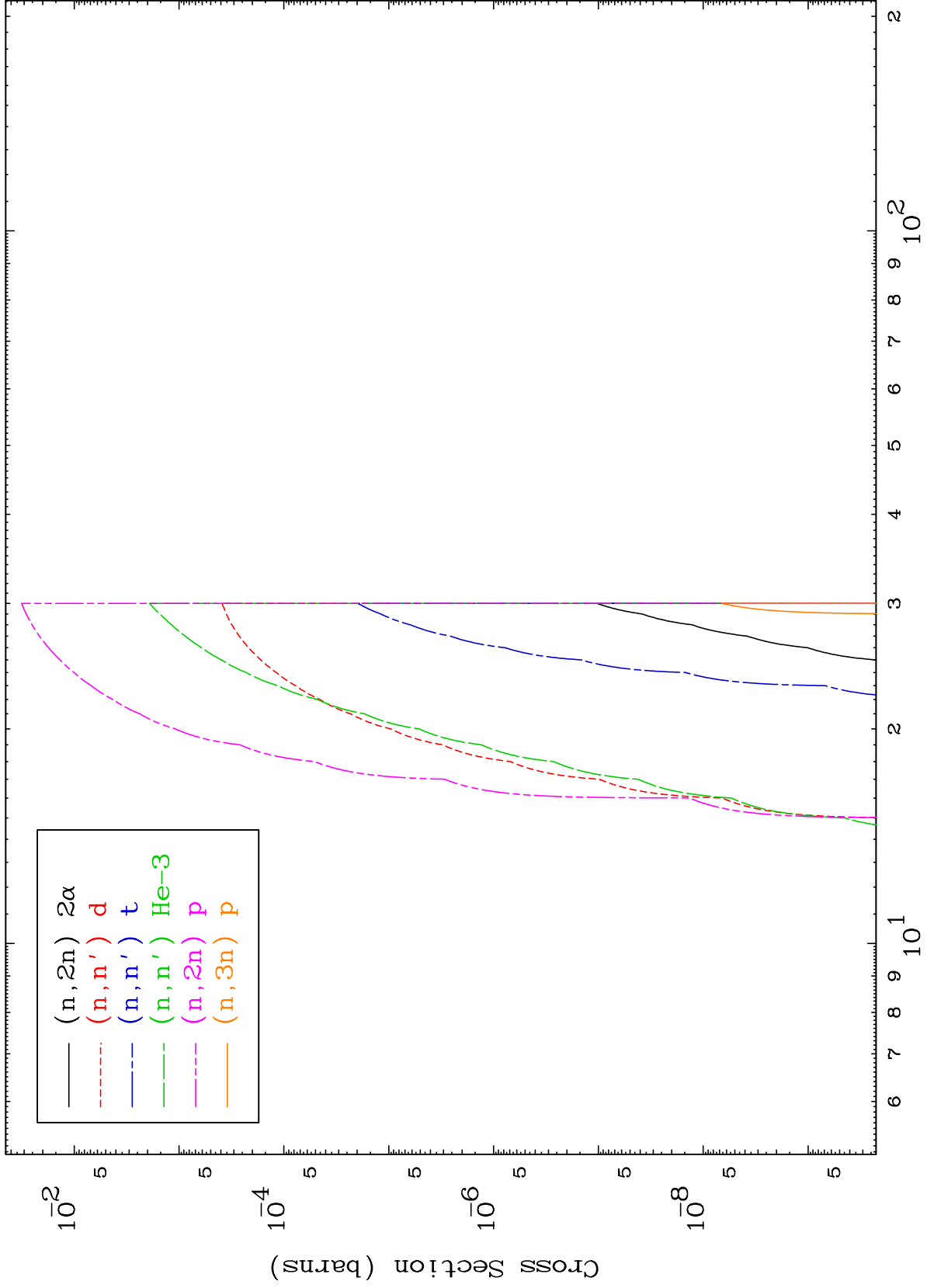


MAT 5592

Neutron Production  
293 Kelvin Cross Sections

56-Ba-119

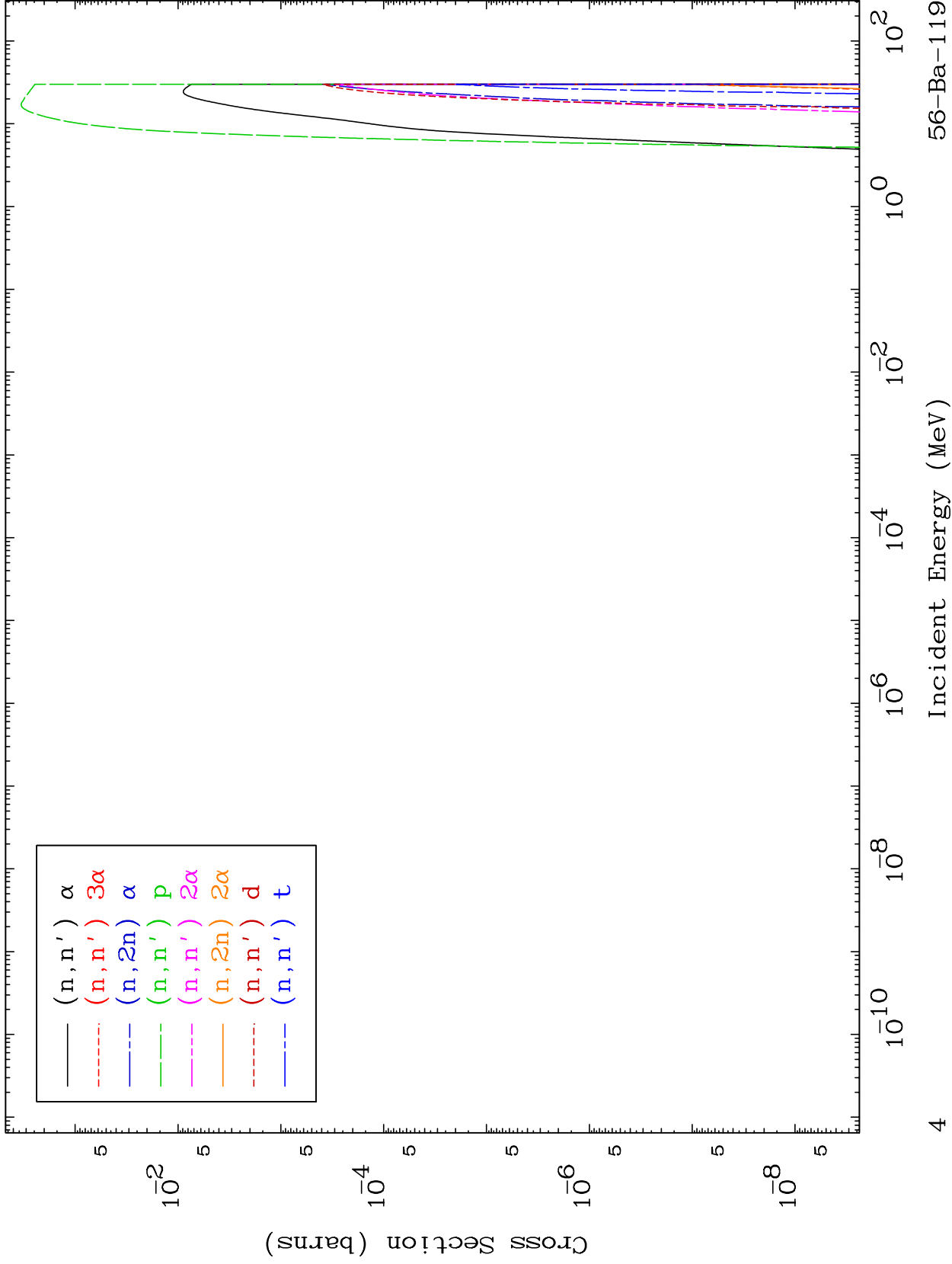




MAT 5592

Charged Particle  
293 Kelvin Cross Sections

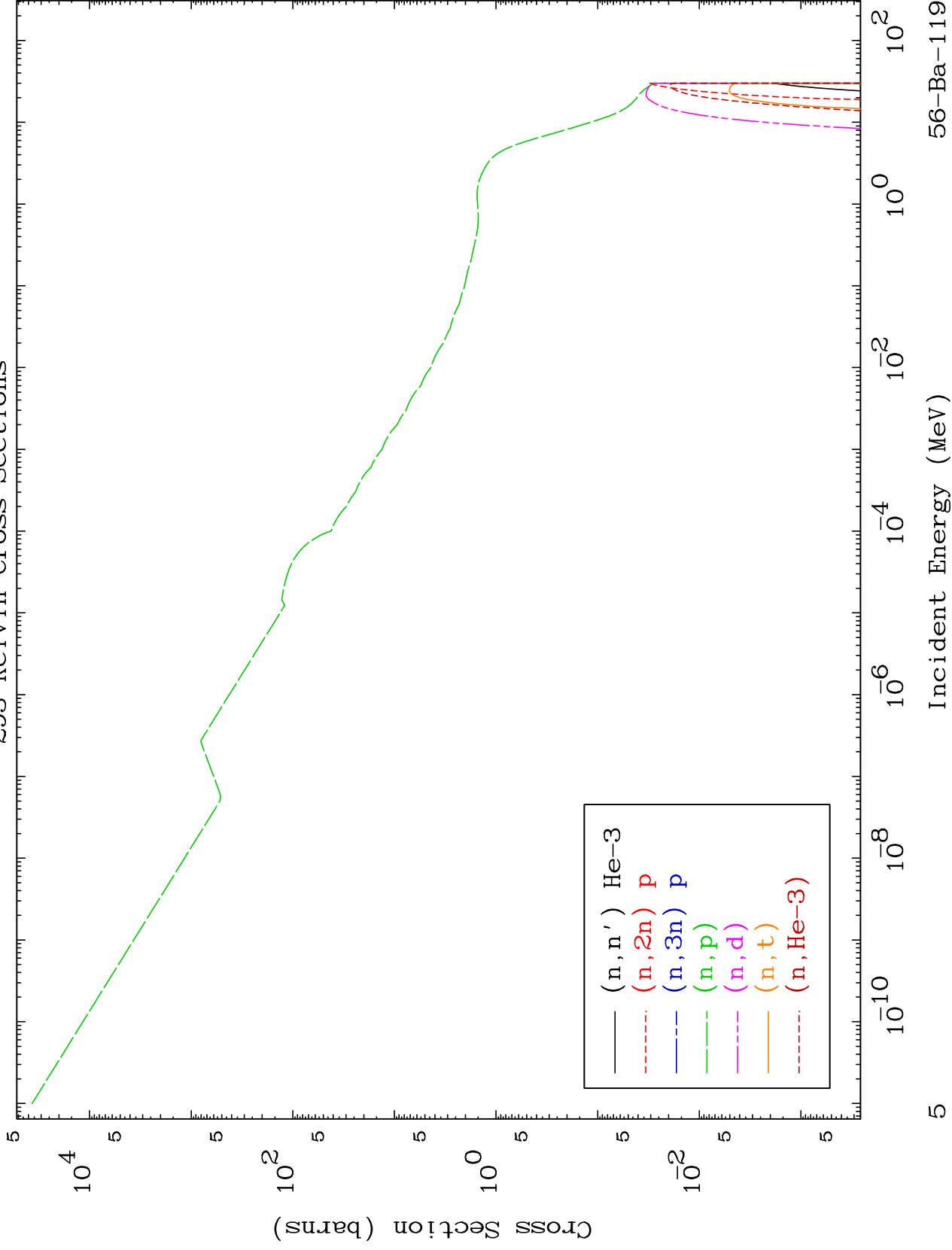
56-Ba-119



MAT 5592

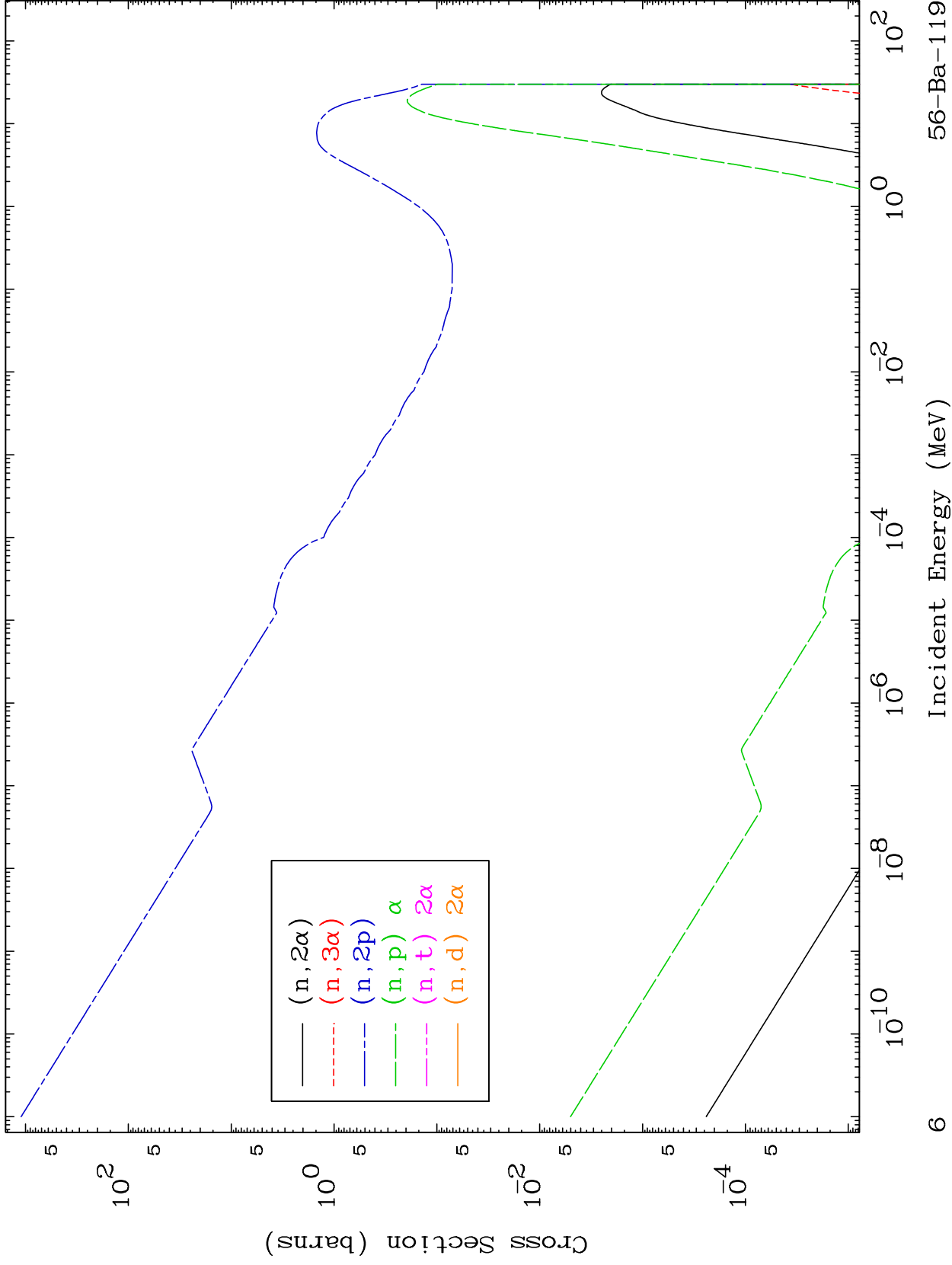
Charged Particle  
293 Kelvin Cross Sections

56-Ba-119



5

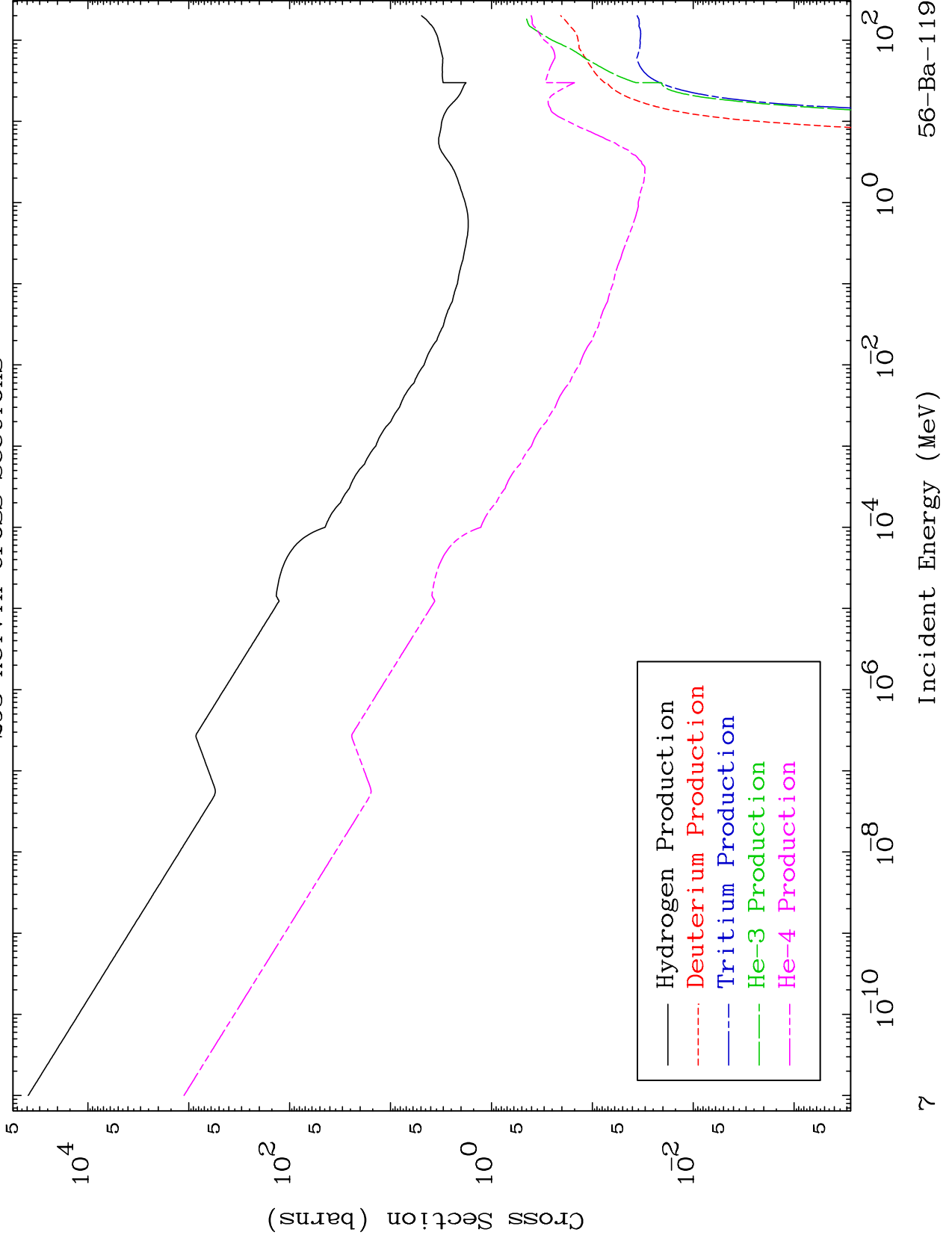
56-Ba-119



MAT 5592

Particle Production  
293 Kelvin Cross Sections

56-Ba-119

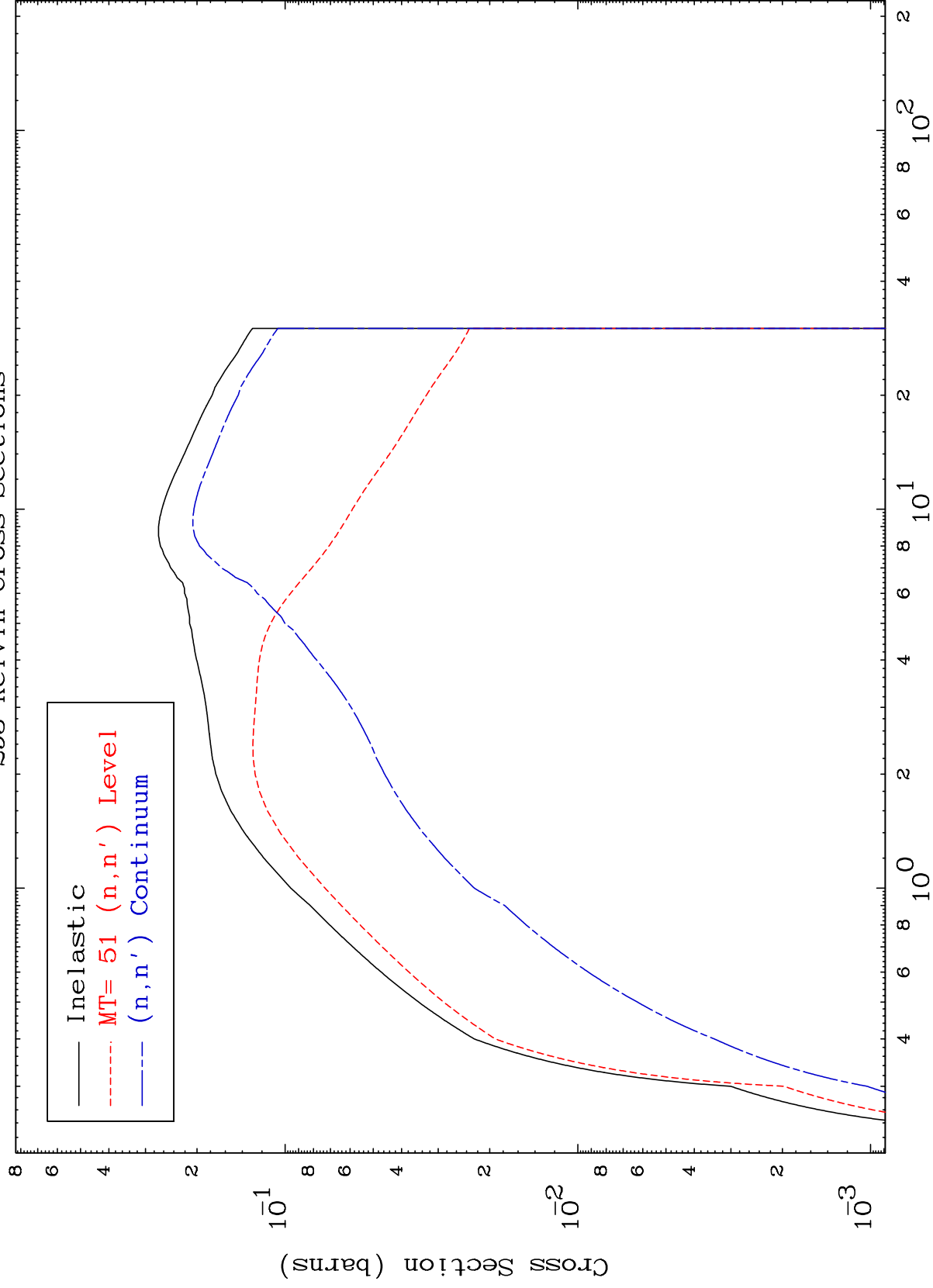




MAT 5592

(n,n') Level  
293 Kelvin Cross Sections

56-Ba-119



8

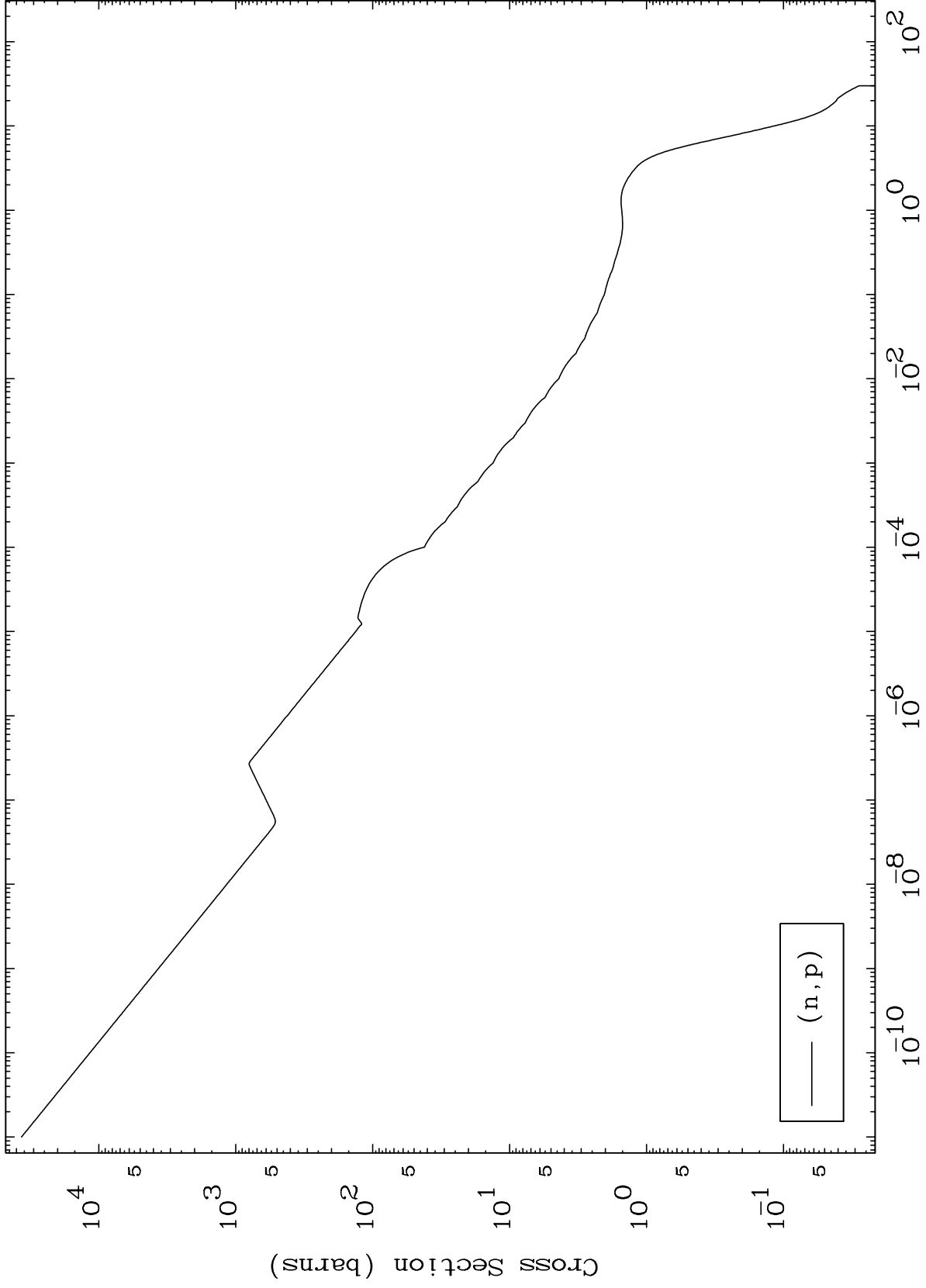
Incident Energy (MeV)

56-Ba-119

MAT 5592

(n,p) Levels  
293 Kelvin Cross Sections

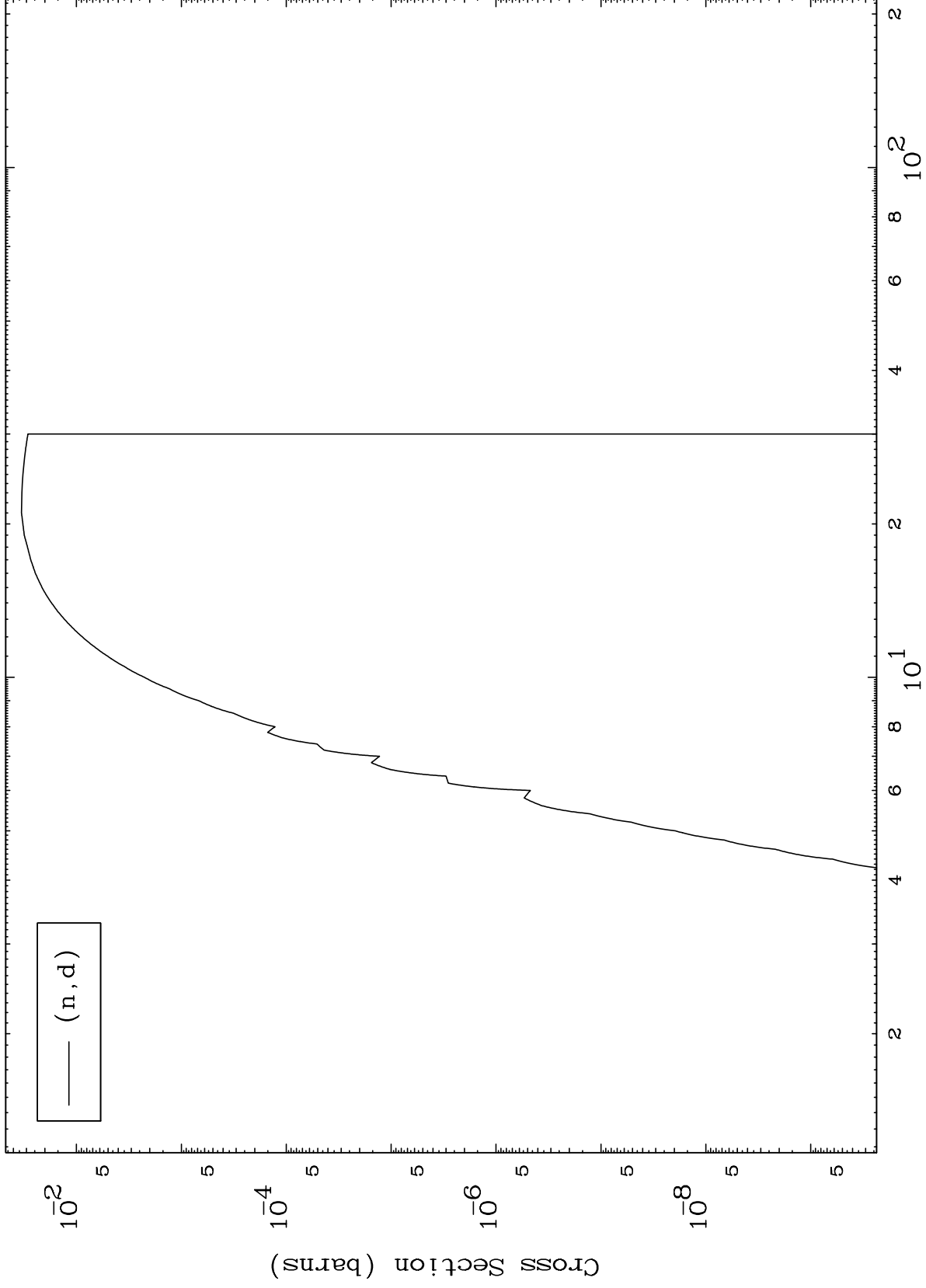
56-Ba-119



MAT 5592

(n,d) Levels  
293 Kelvin Cross Sections

56-Ba-119



10

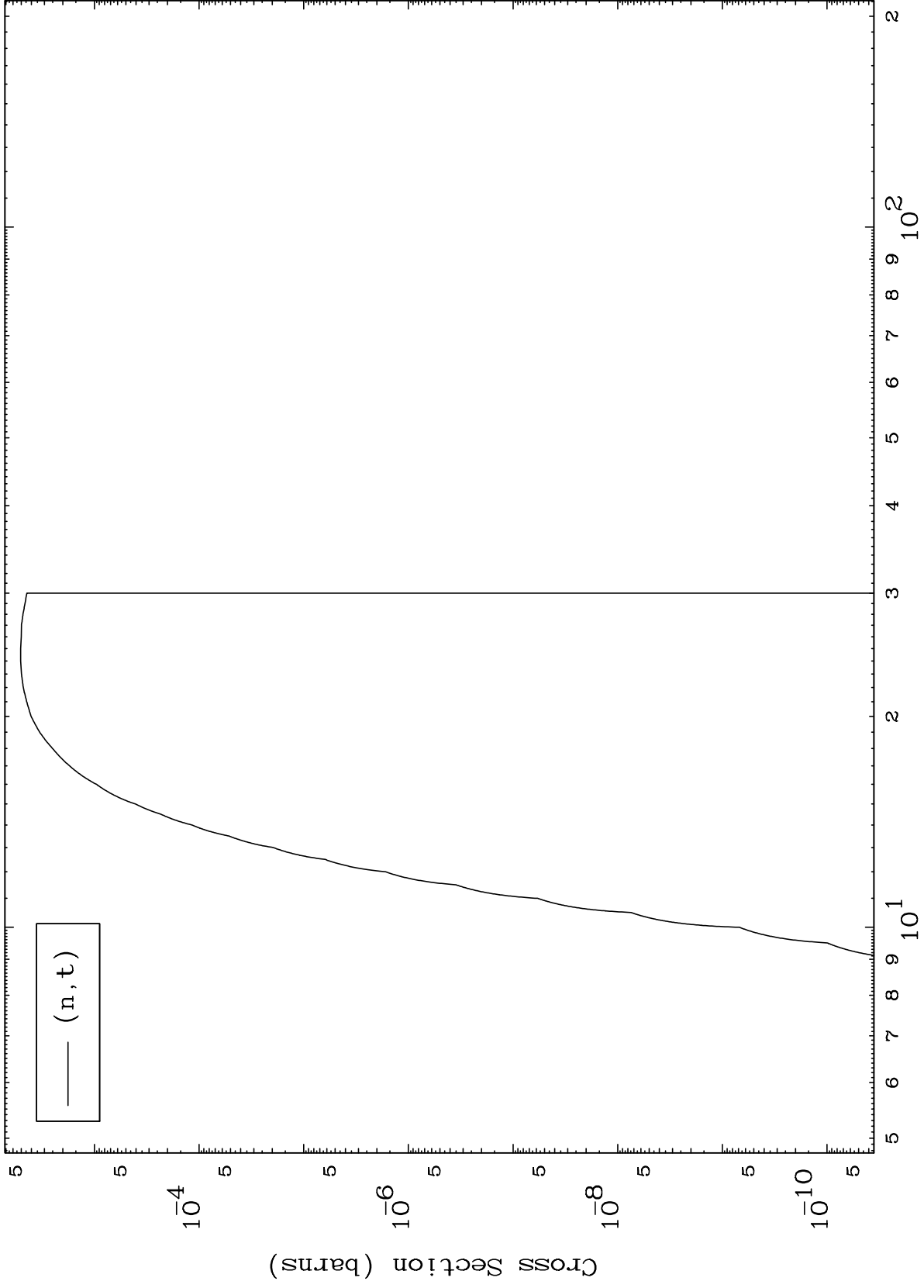
Incident Energy (MeV)

56-Ba-119

MAT 5592

(n,t) Levels  
293 Kelvin Cross Sections

56-Ba-119



11

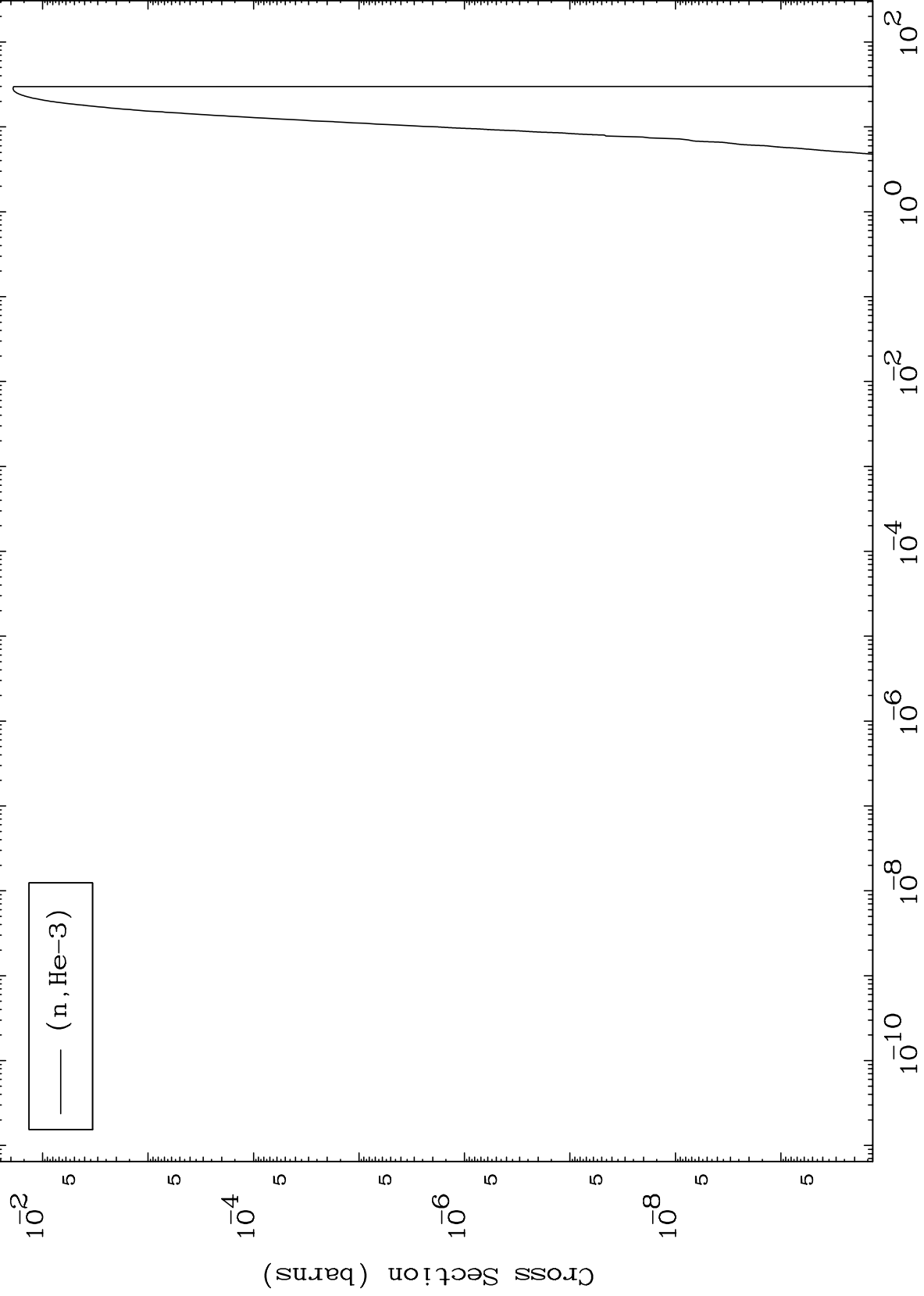
Incident Energy (MeV)

56-Ba-119

MAT 5592

(n,He3) Levels  
293 Kelvin Cross Sections

56-Ba-119



12

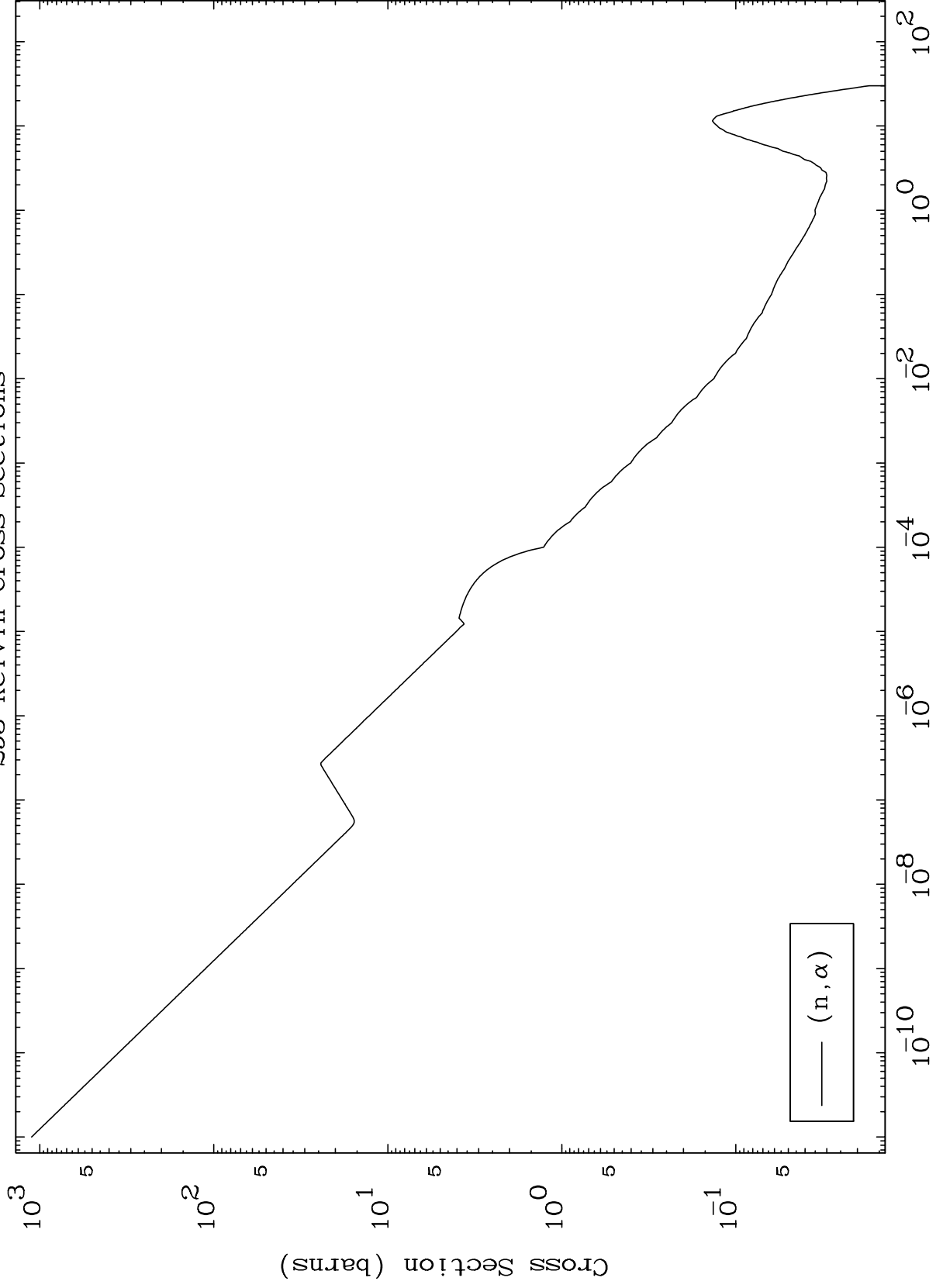
Incident Energy (MeV)

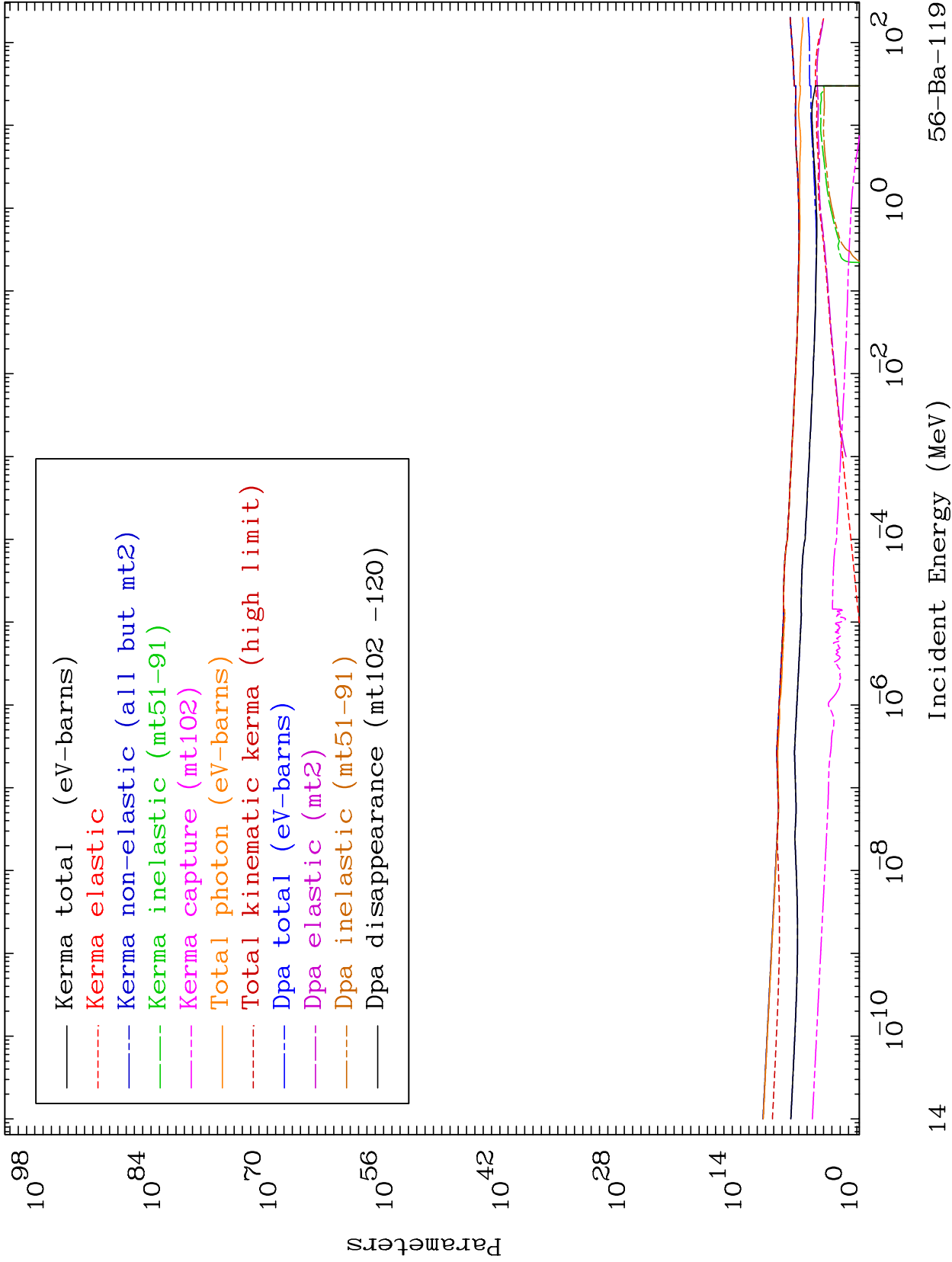
56-Ba-119

MAT 5592

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

56-Ba-119

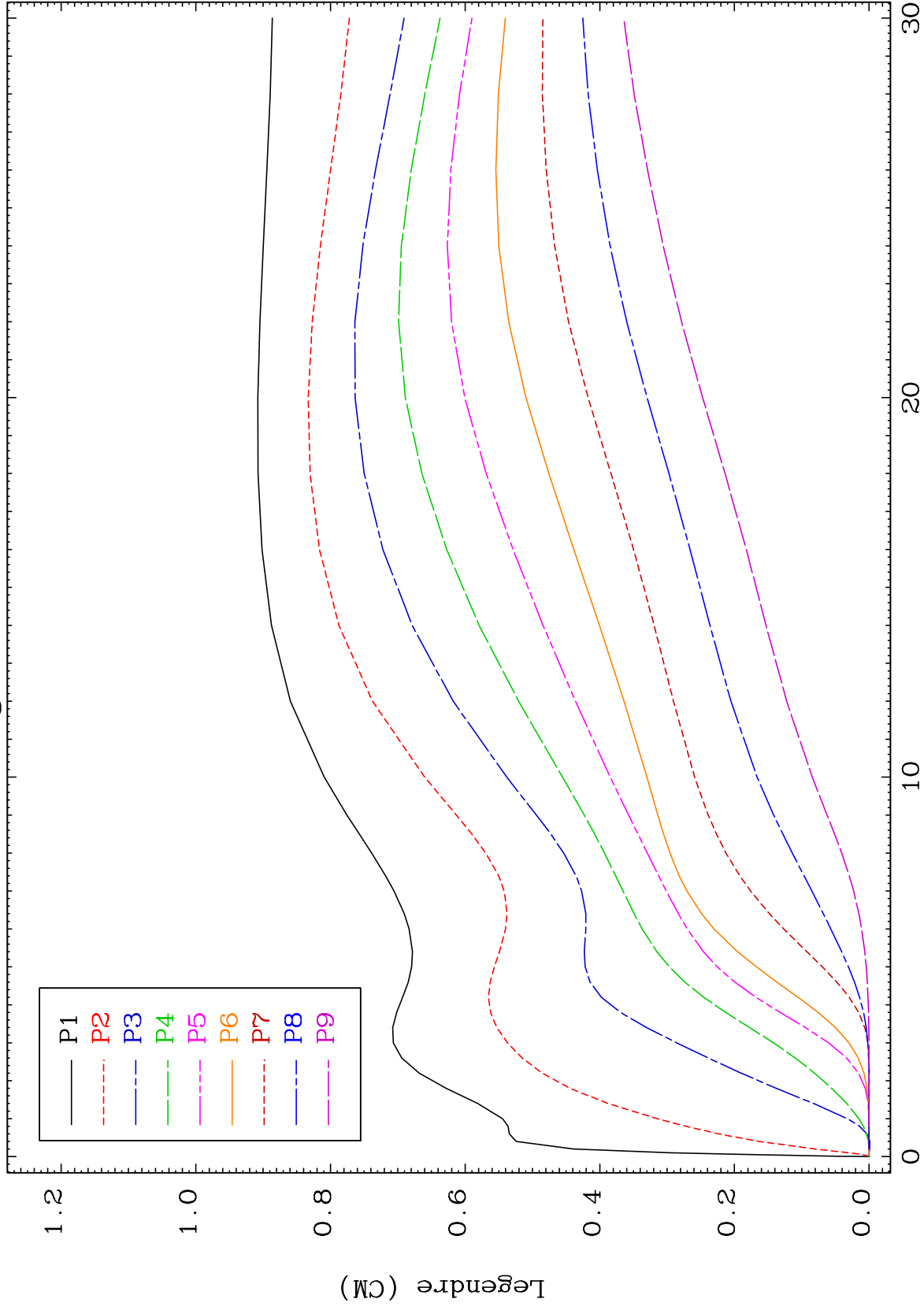




MAT 5592

Elastic Legendre Coefficients

56-Ba-119



15

Incident Energy (MeV)

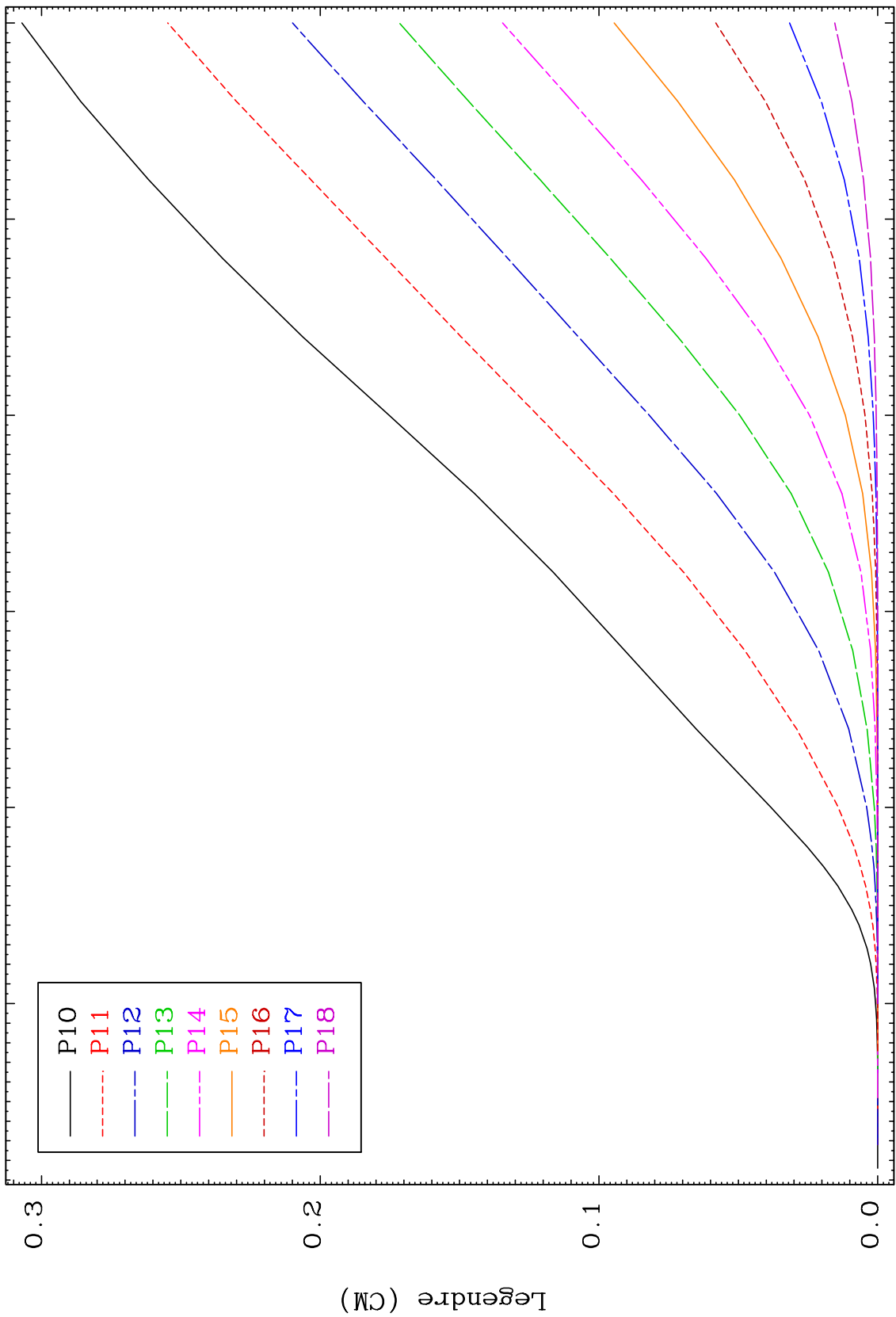
56-Ba-119



MAT 5592

Elastic Legendre Coefficients

56-Ba-119



16

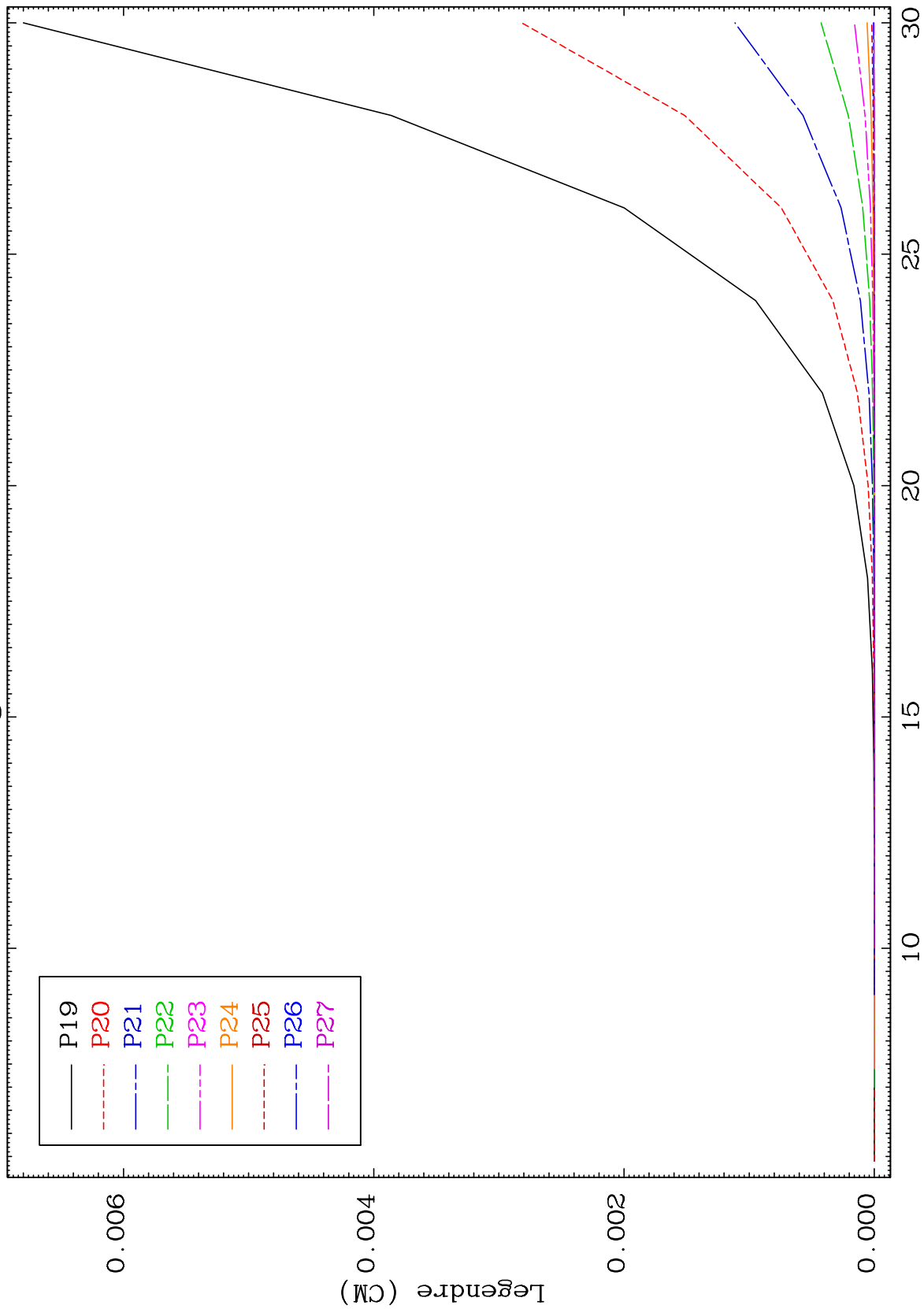
Incident Energy (MeV)

56-Ba-119

MAT 5592

### Elastic Legendre Coefficients

56-Ba-119



17

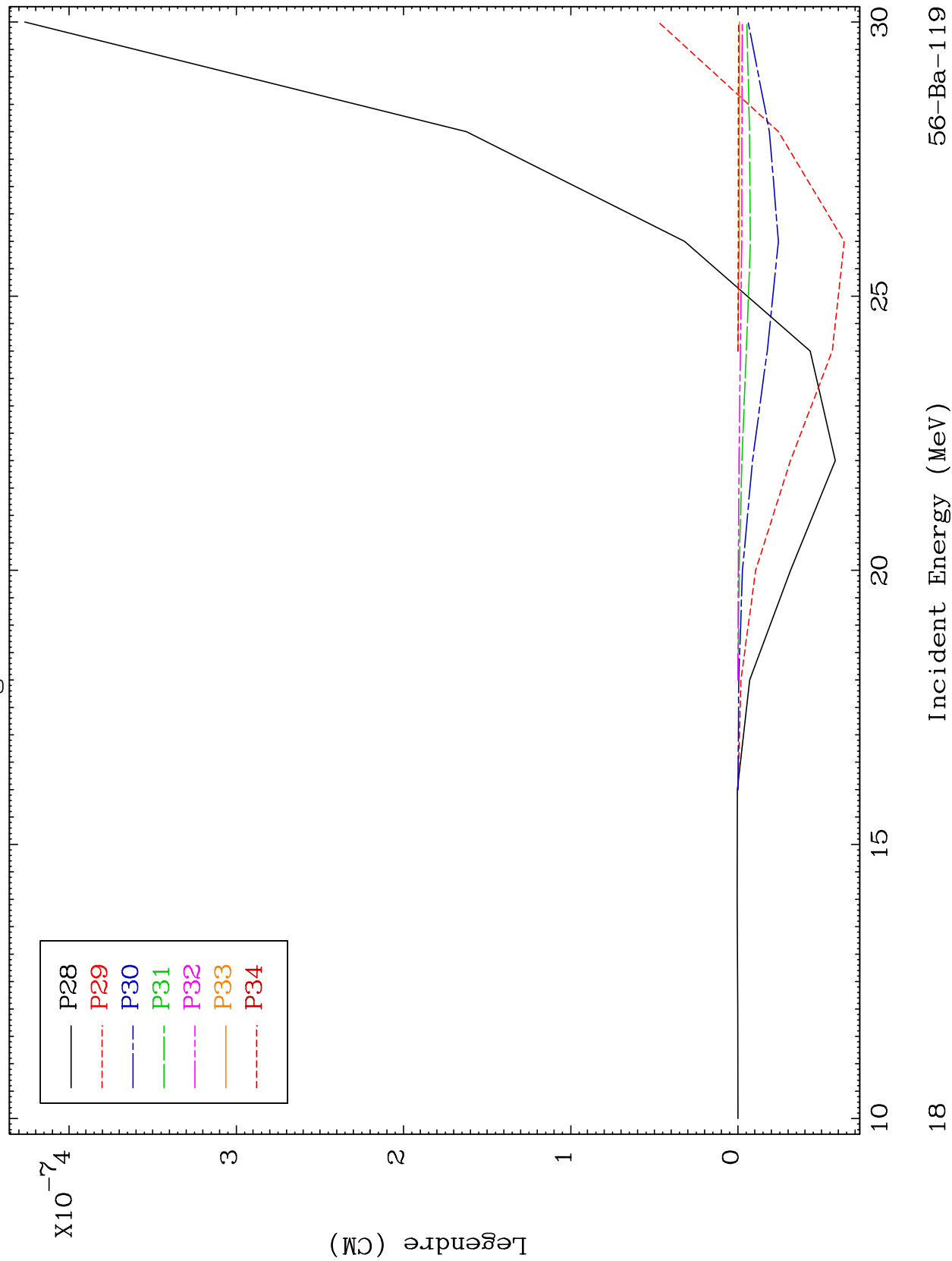
Incident Energy (MeV)

56-Ba-119

MAT 5592

Elastic Legendre Coefficients

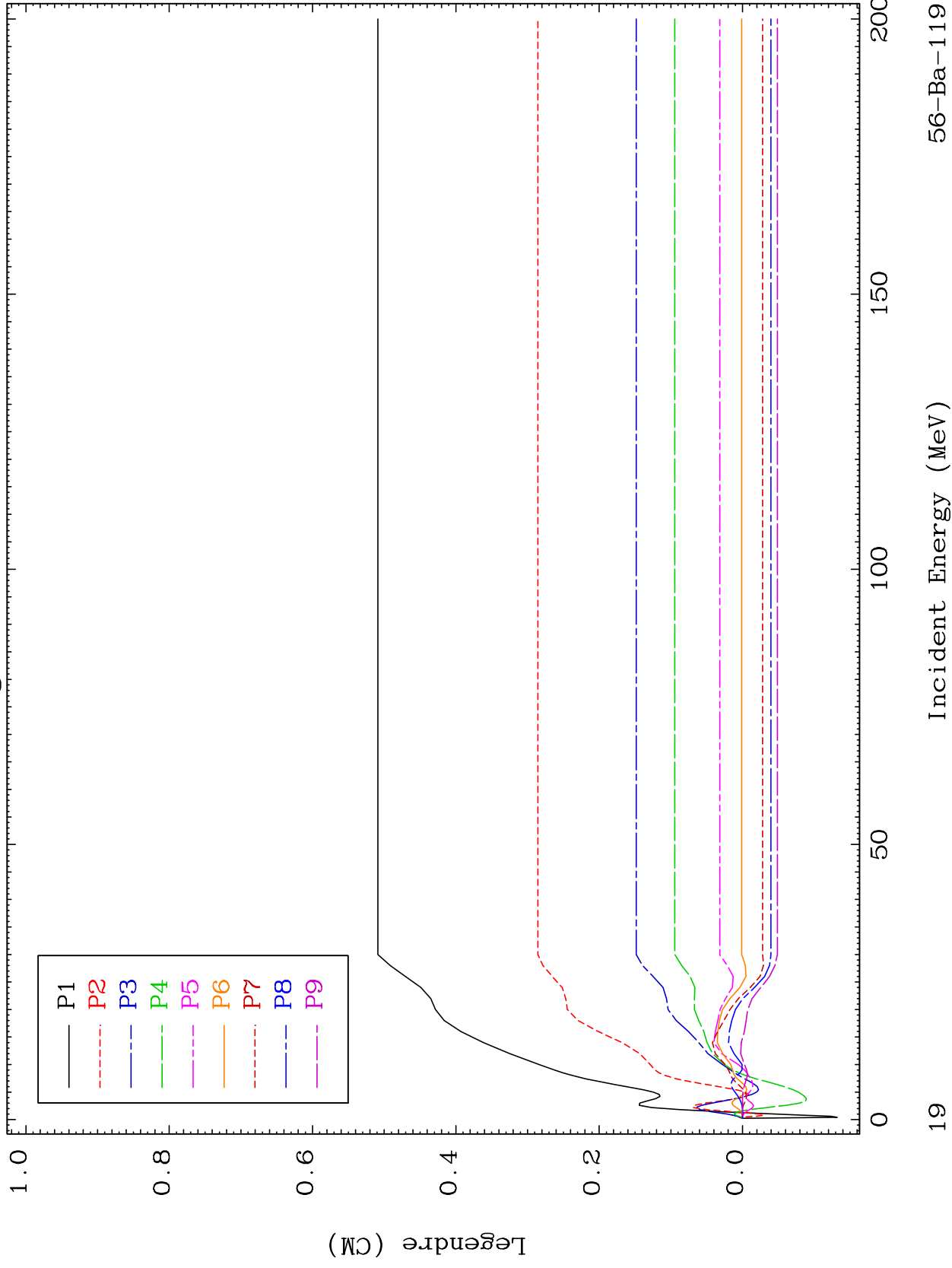
56-Ba-119



MAT 5592

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

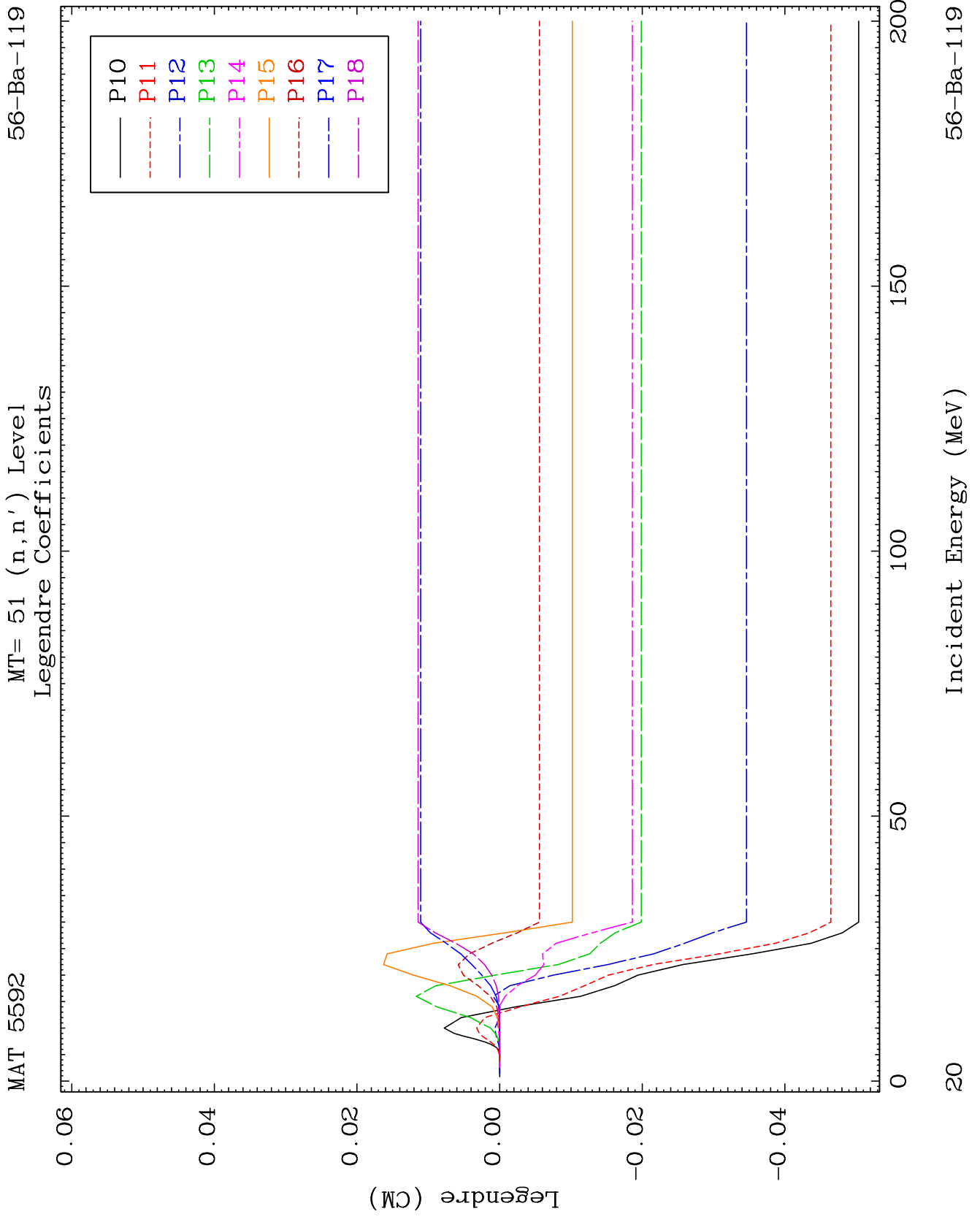
56-Ba-119

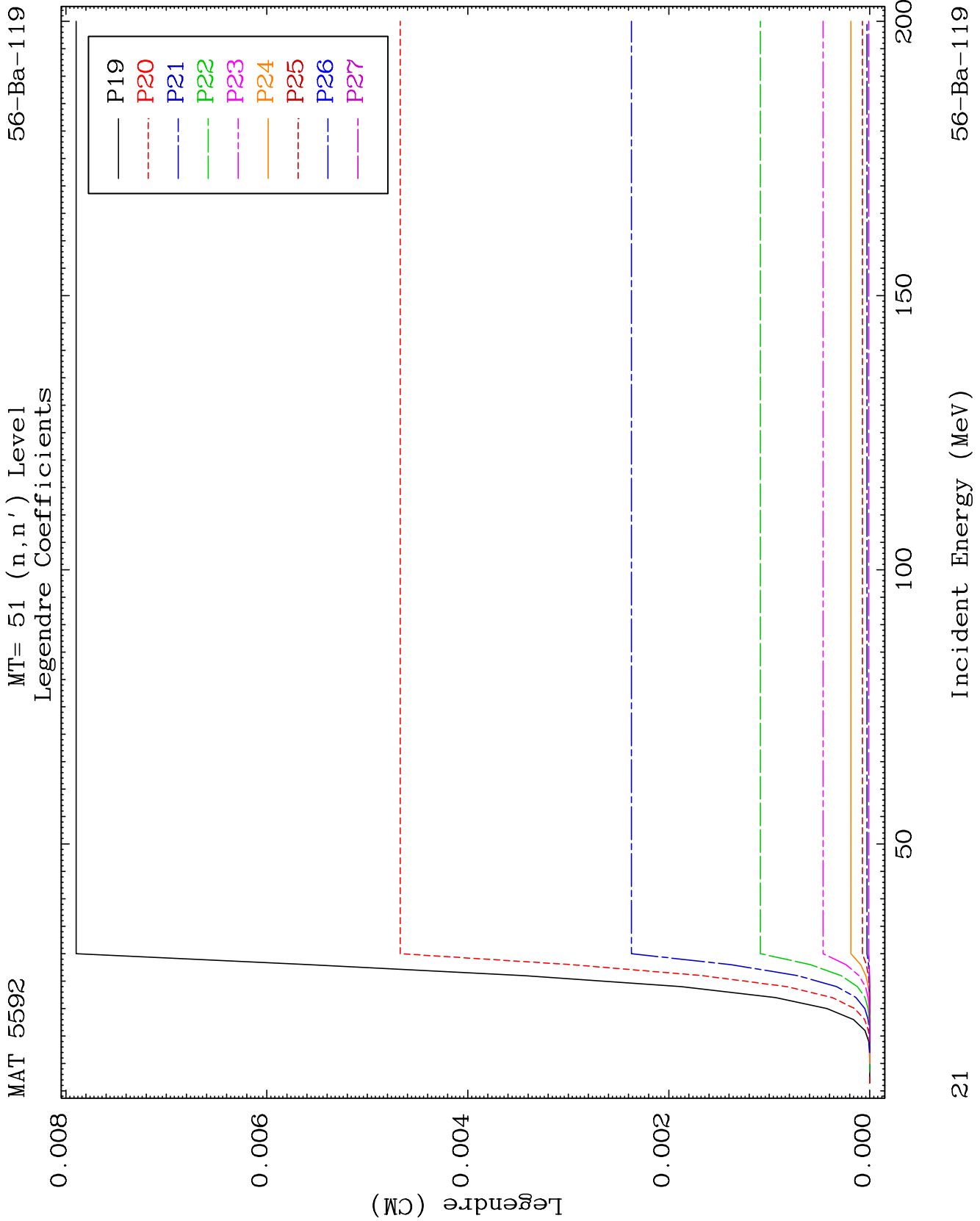


56-Ba-119

Incident Energy (MeV)

19

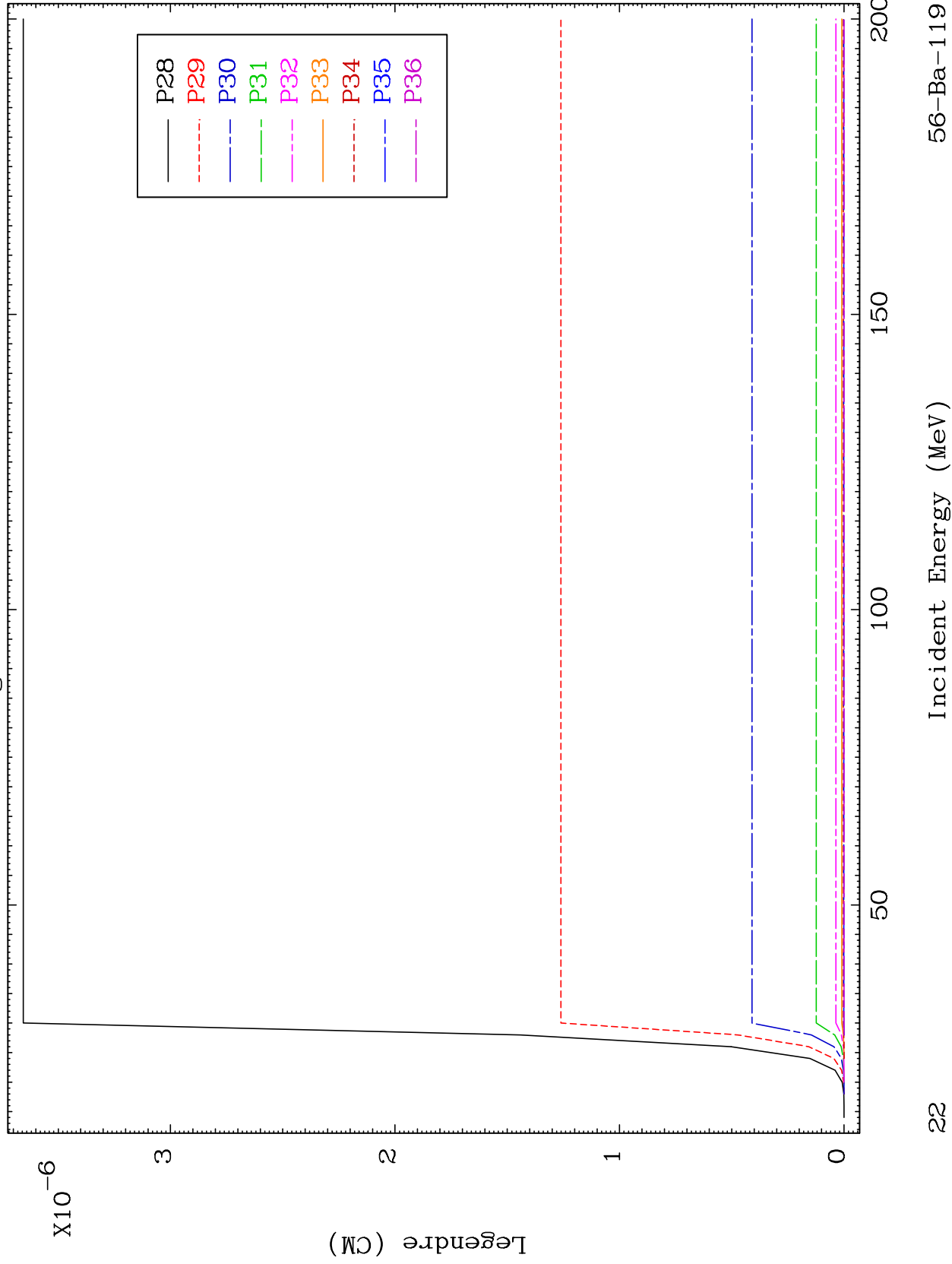




MAT 5592

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

56-Ba-119



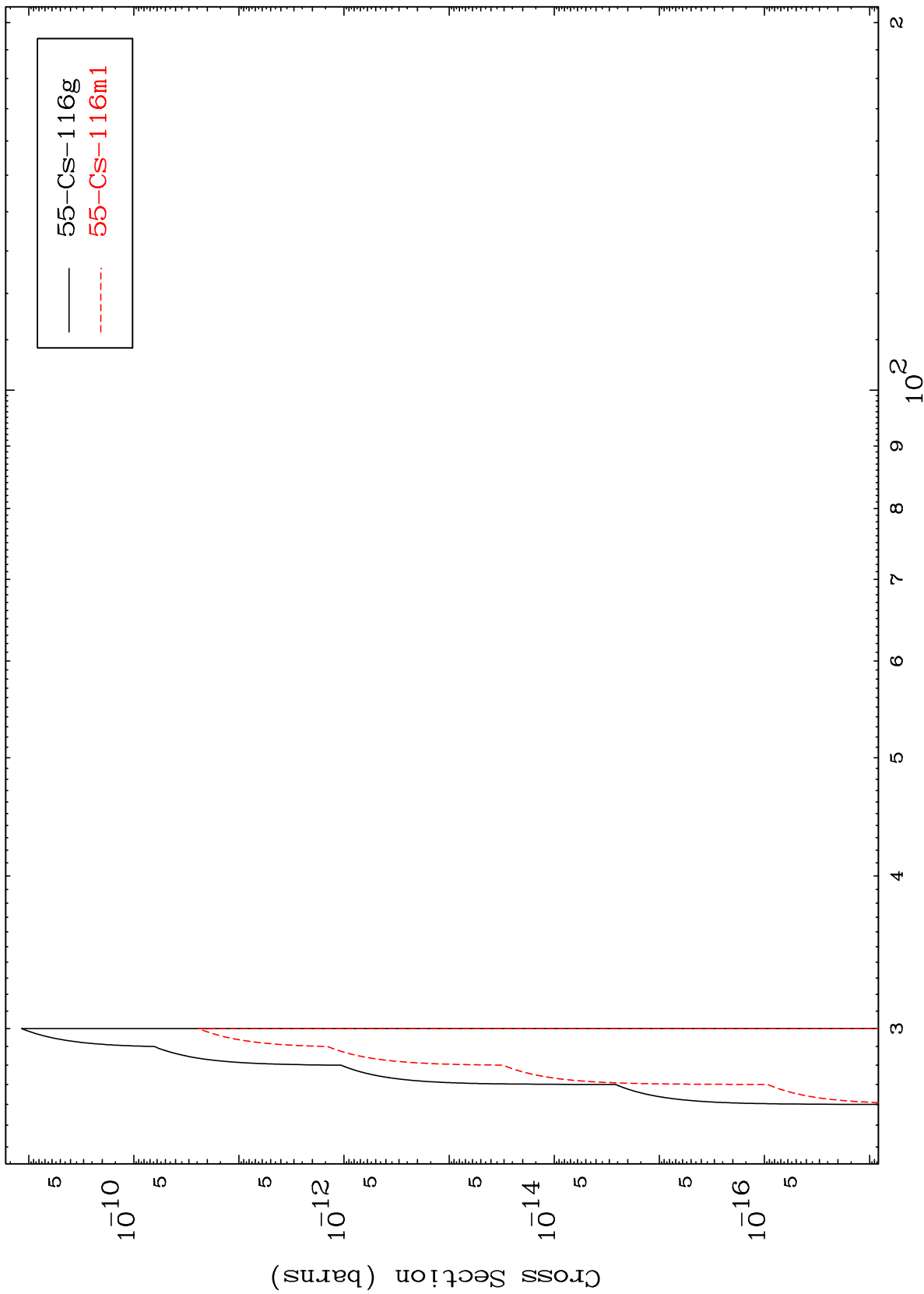
22

MAT 5592

(n,2n) d

56-Ba-119

Radionuclide Production Cross Section



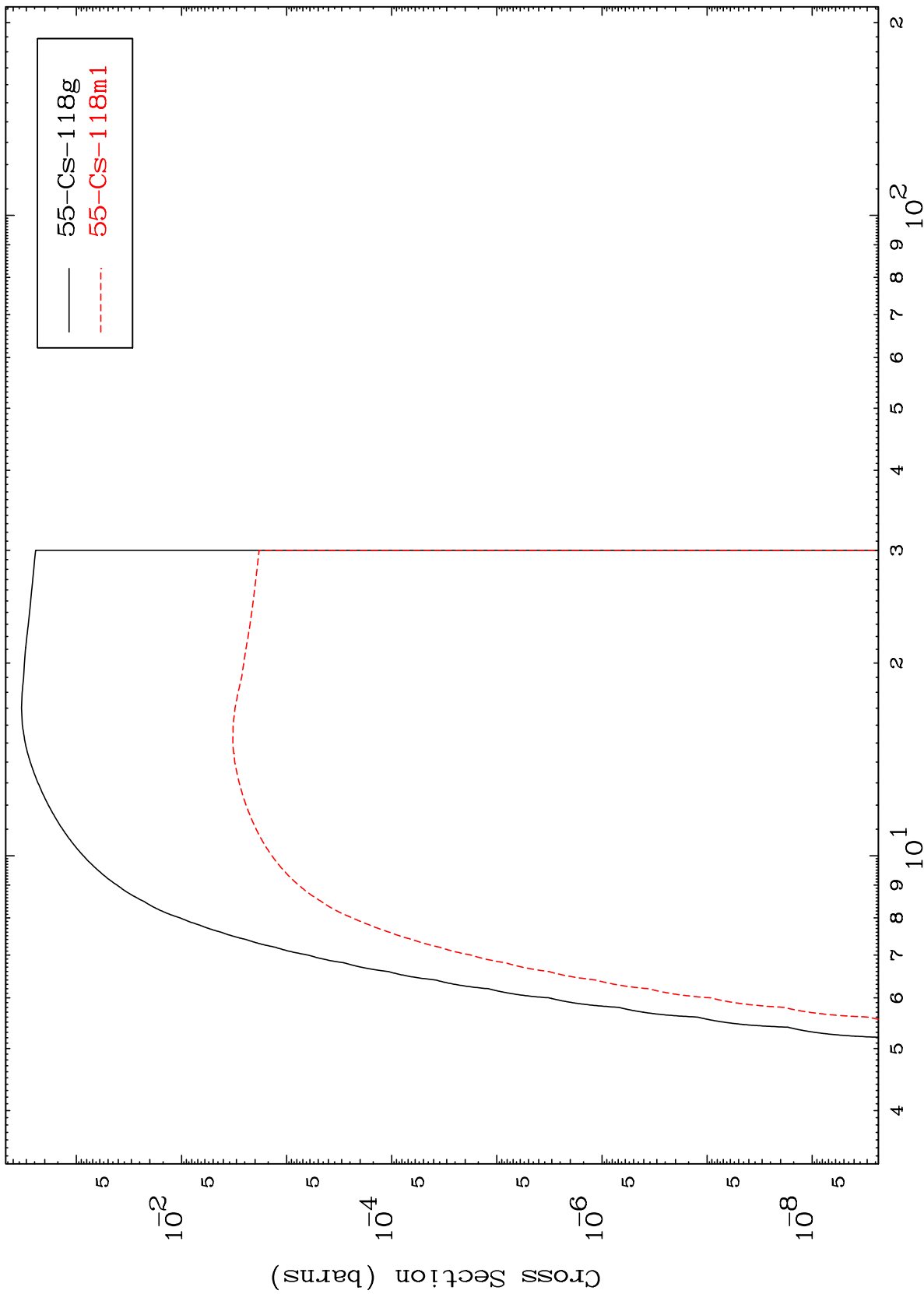
23

Incident Energy (MeV)

56-Ba-119



Radionuclide Production Cross Section



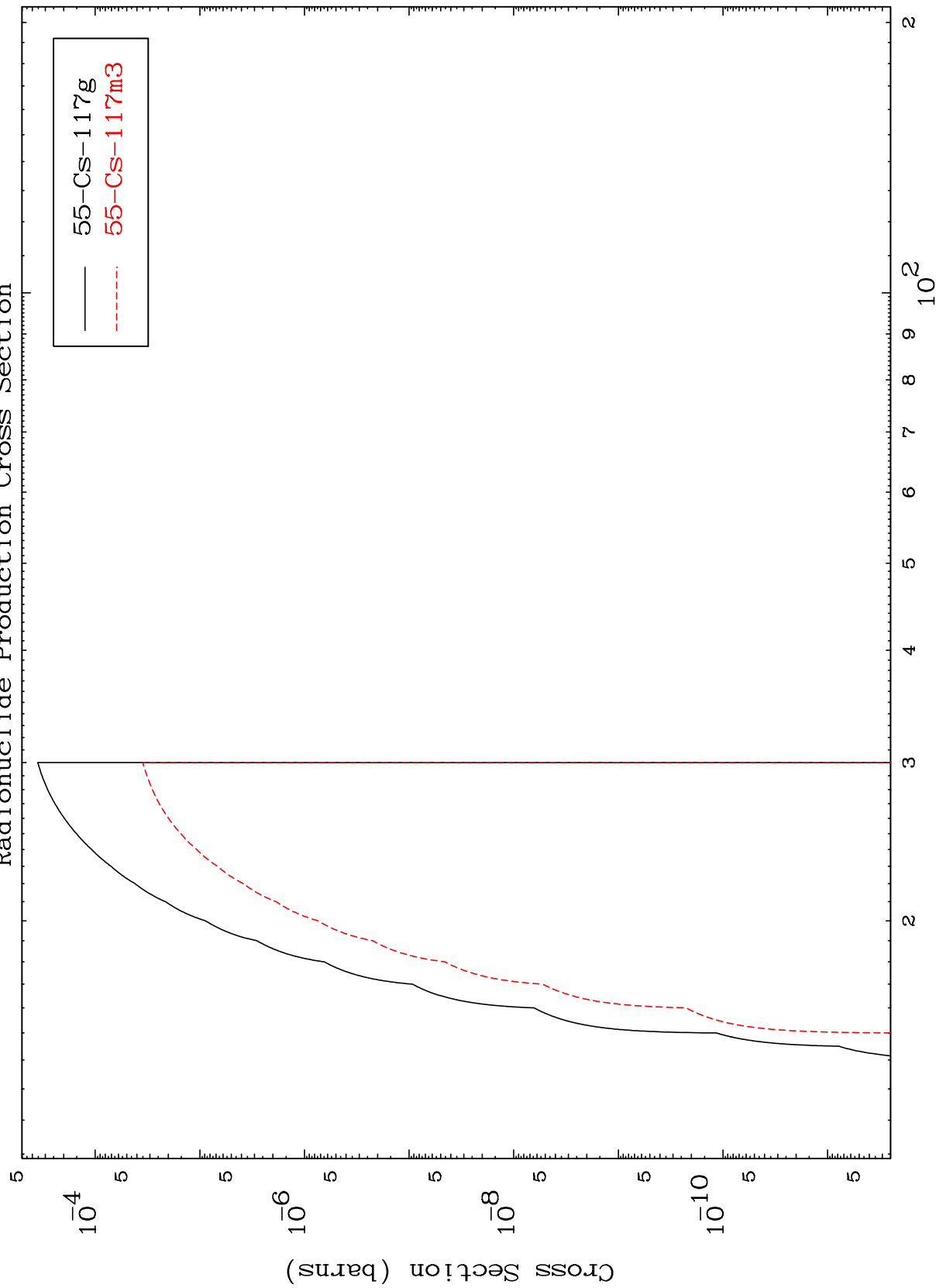
55-Cs-118g  
55-Cs-118m1

MAT 5592

(n,n') d

56-Ba-119

Radionuclide Production Cross Section



55-Cs-117g  
55-Cs-117m3

25

Incident Energy (MeV)

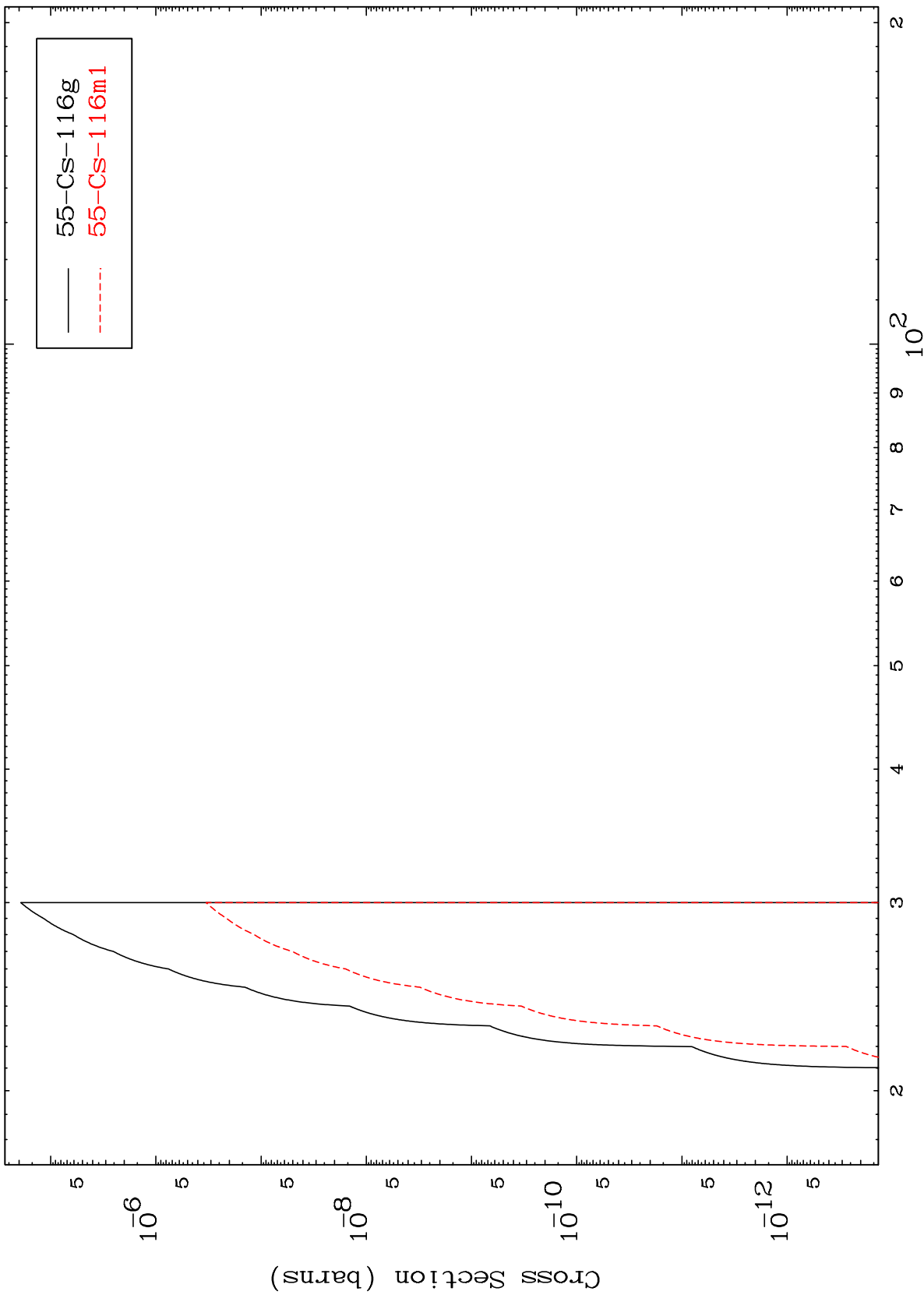
56-Ba-119

MAT 5592

(n,n') t

56-Ba-119

Radionuclide Production Cross Section



26

Incident Energy (MeV)

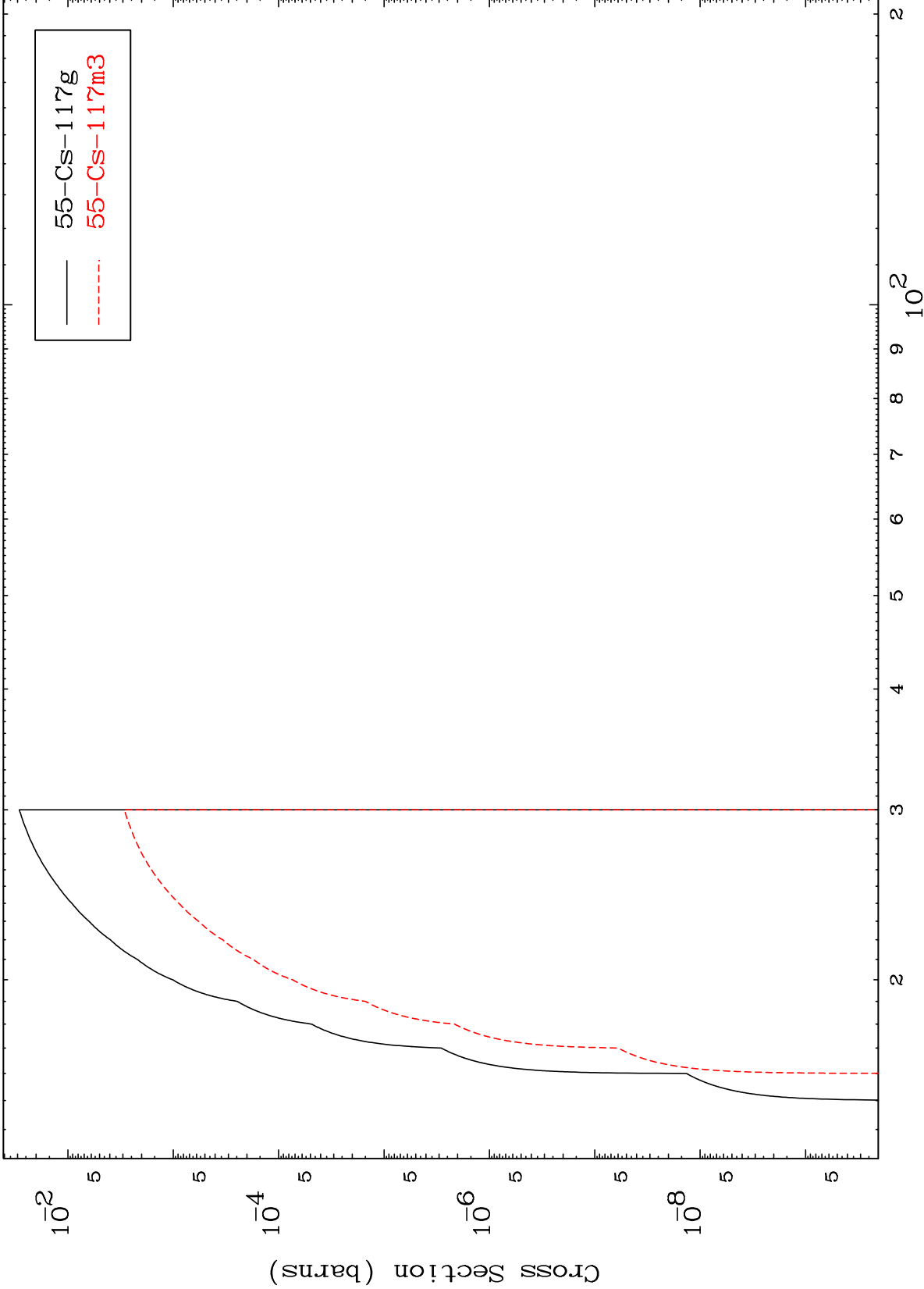
56-Ba-119

MAT 5592

(n,2n) p

56-Ba-119

Radionuclide Production Cross Section



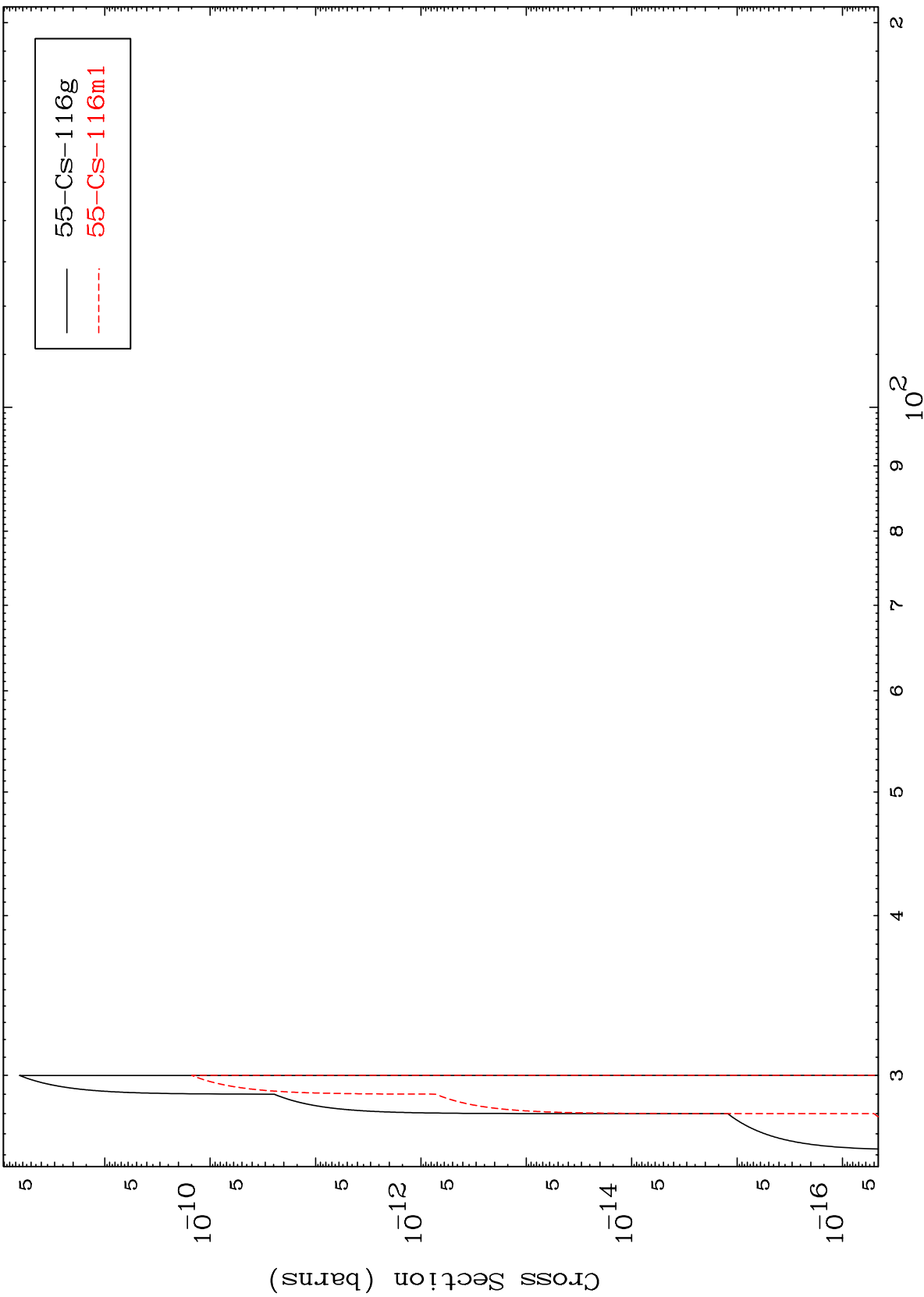
55-Cs-117g  
55-Cs-117m3

MAT 5592

(n,3n) p

56-Ba-119

Radionuclide Production Cross Section



28

Incident Energy (MeV)

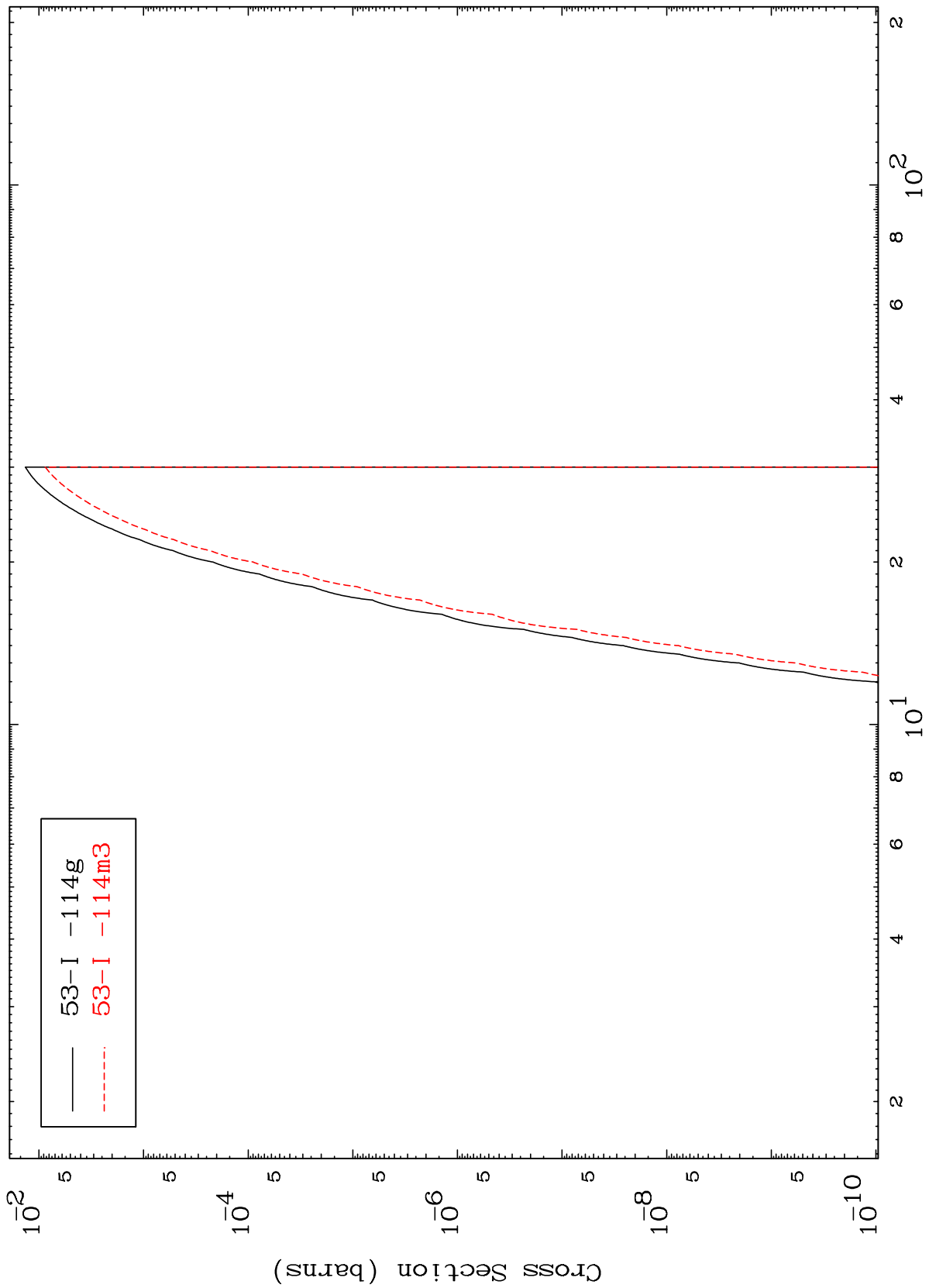
56-Ba-119

MAT 5592

(n,n') p  $\alpha$

56-Ba-119

Radionuclide Production Cross Section



53-I -114g  
53-I -114m3

29

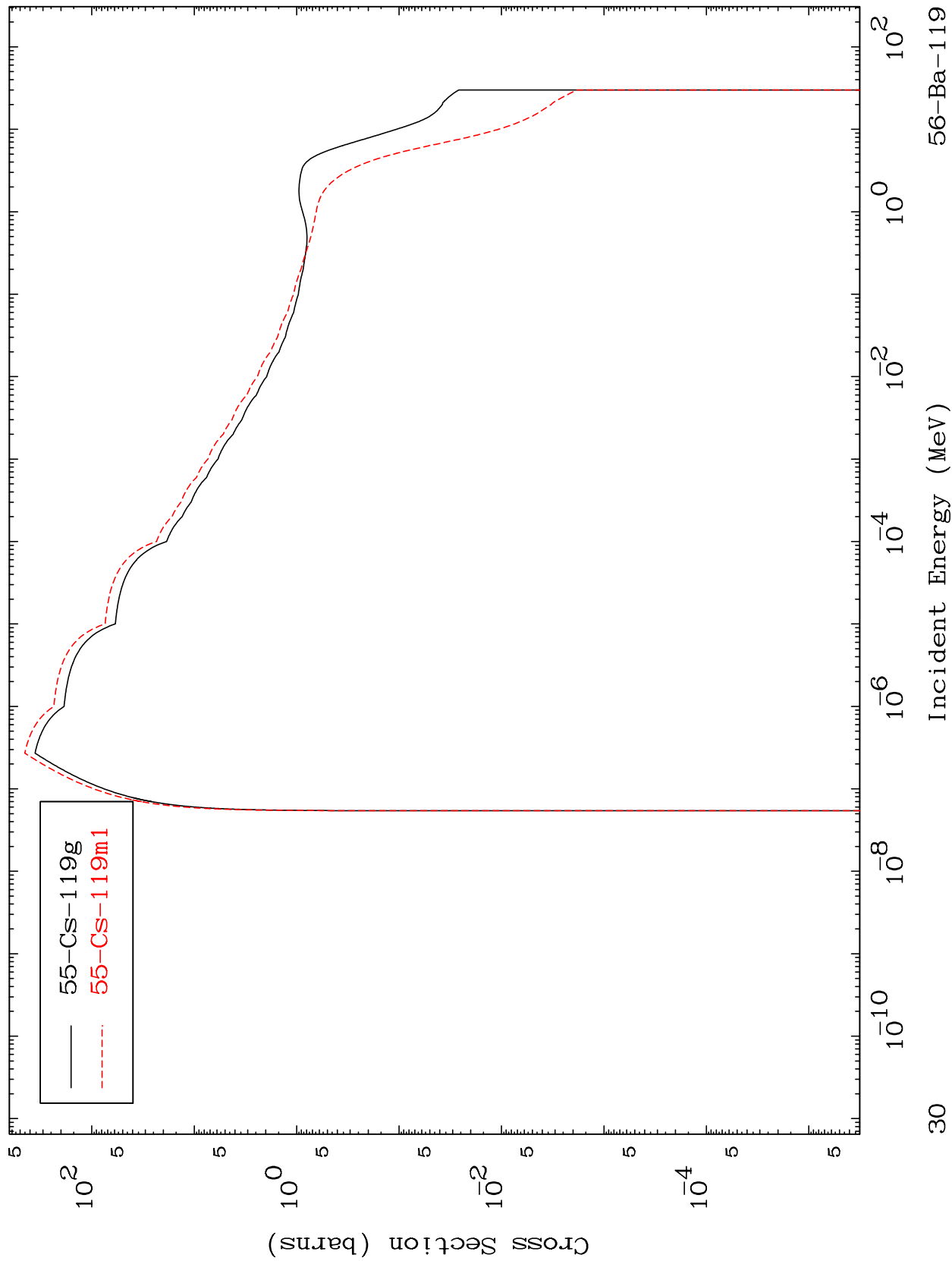
Incident Energy (MeV)

56-Ba-119

MAT 5592

56-Ba-119

(n,p)  
Radionuclide Production Cross Section

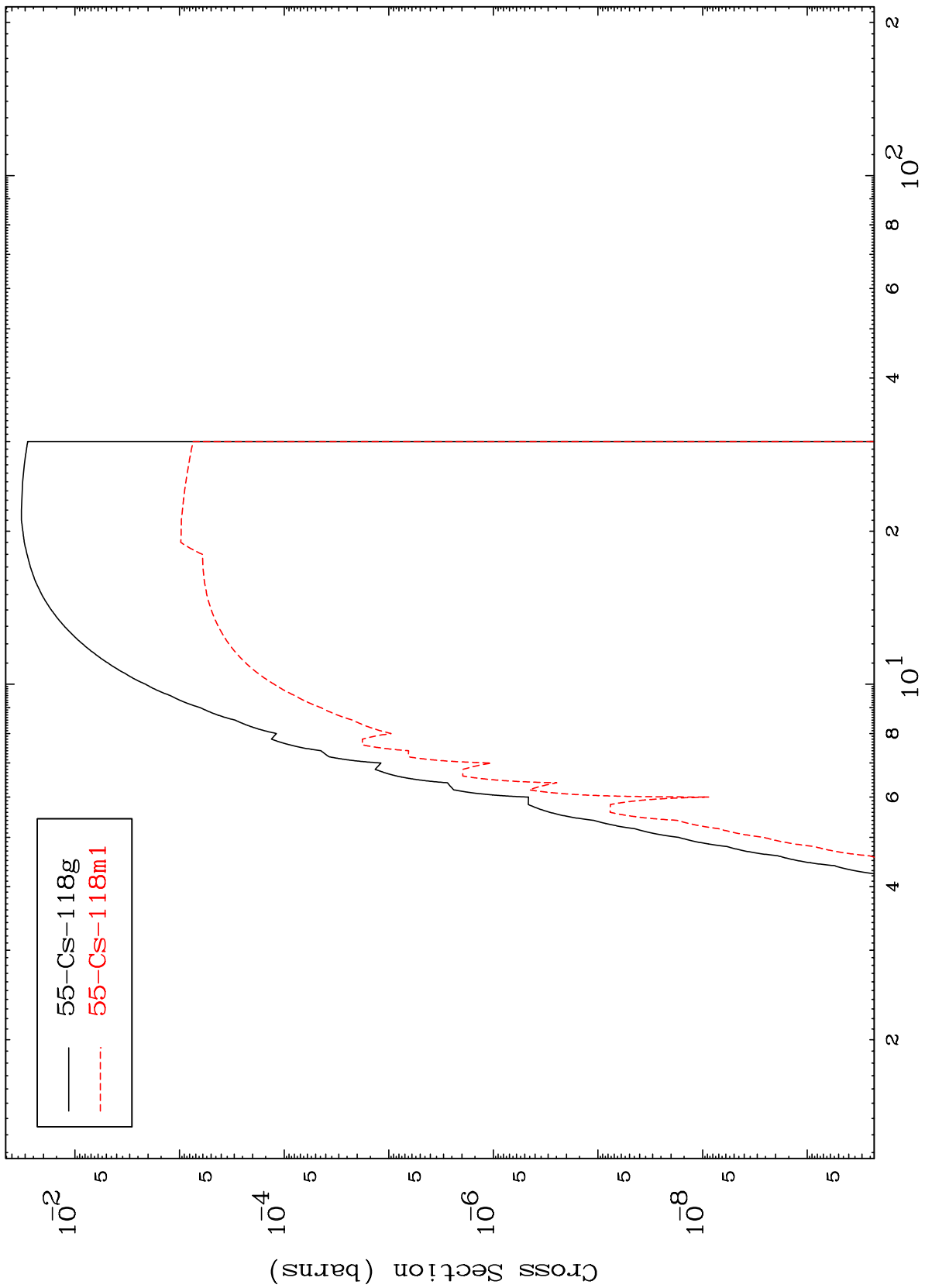


MAT 5592

(n,d)

56-Ba-119

Radionuclide Production Cross Section

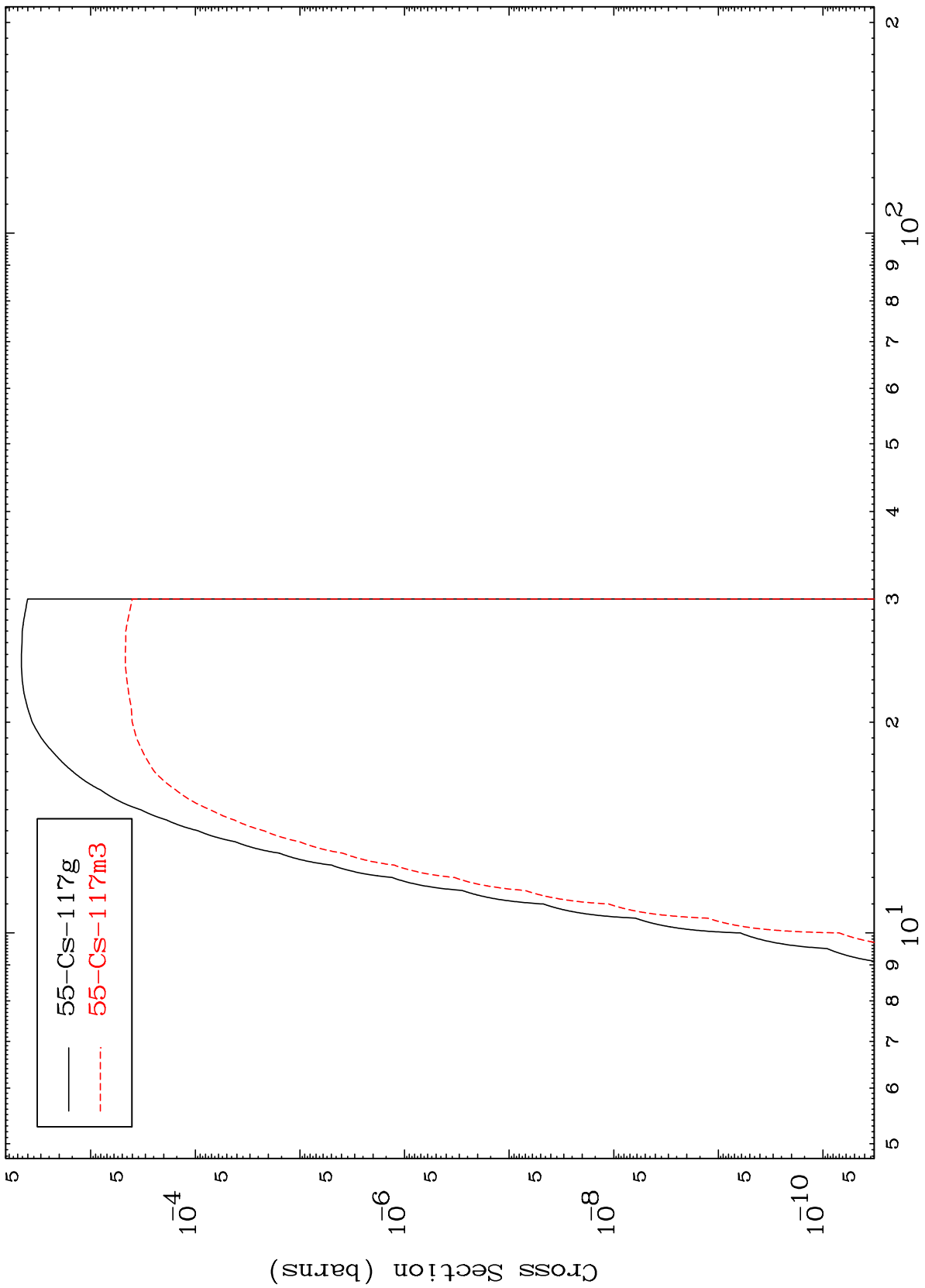




MAT 5592

56-Ba-119

(n, t)  
Radionuclide Production Cross Section



32

Incident Energy (MeV)

56-Ba-119

MAT 5592

(n,d)  $\alpha$

56-Ba-119

