

Program EVALPLOT  
(Version 2018-1)

by

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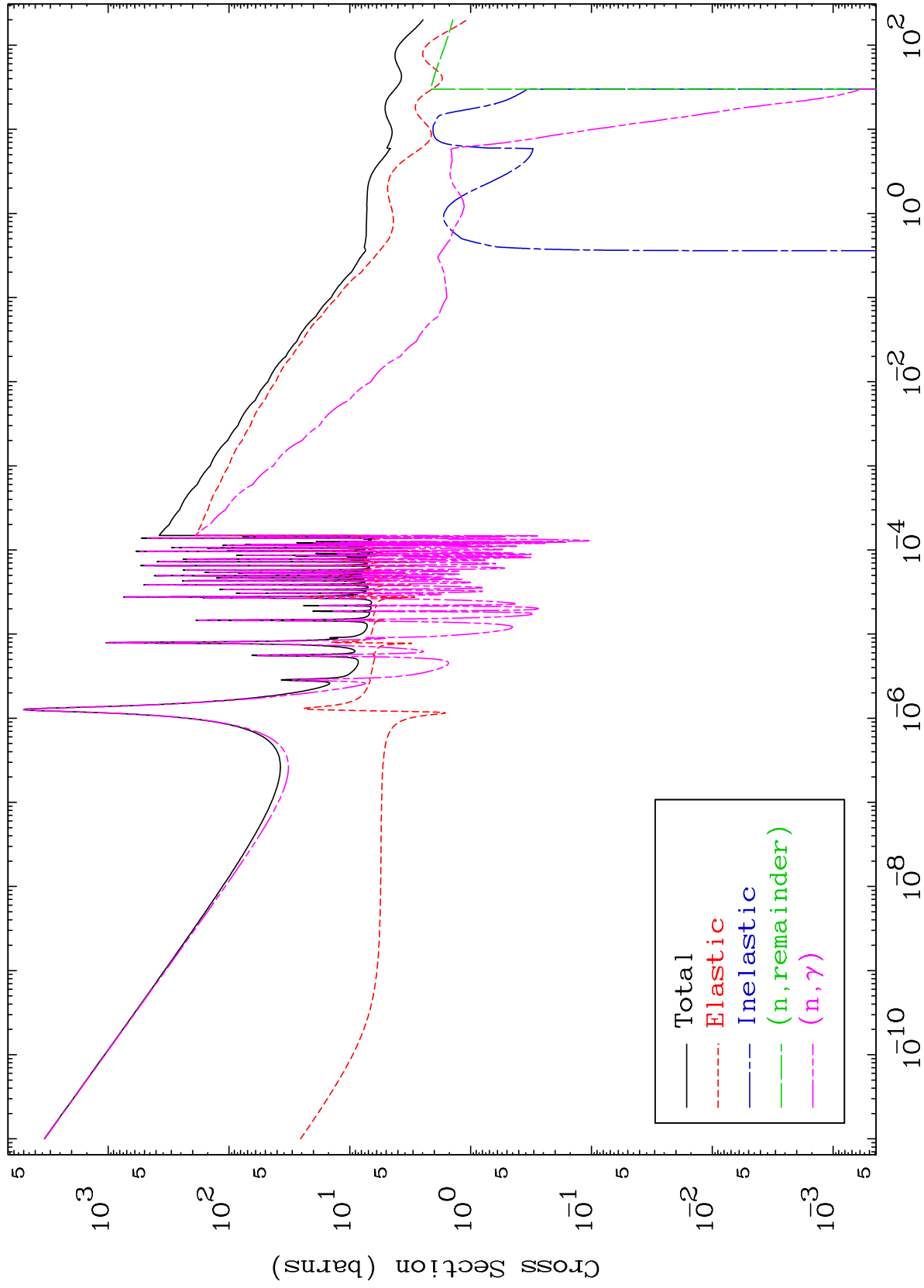
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6995

Major  
293 Kelvin Cross Sections

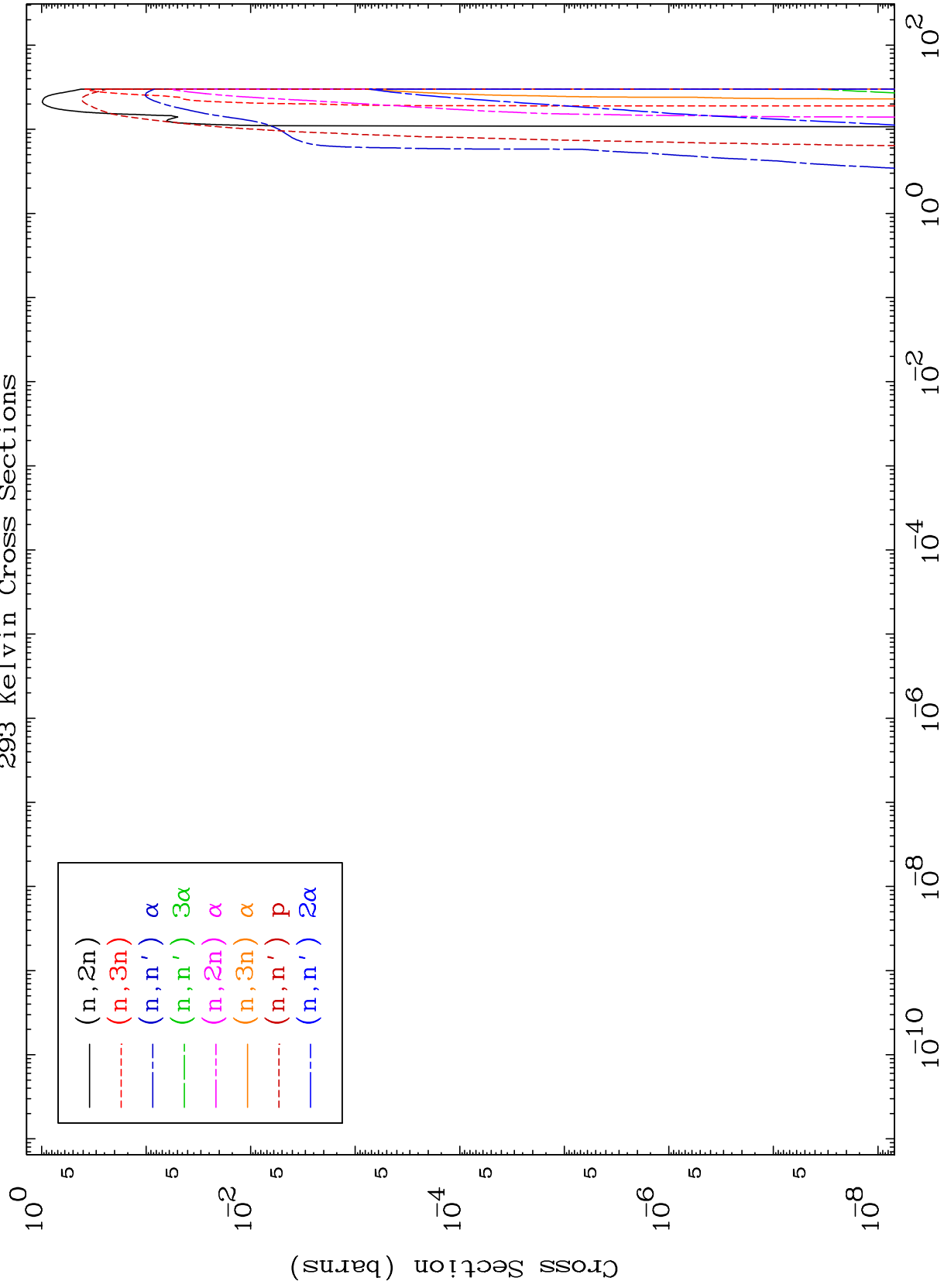
70-Yb-158



MAT 6995

Neutron Production  
293 Kelvin Cross Sections

70-Yb-158



2

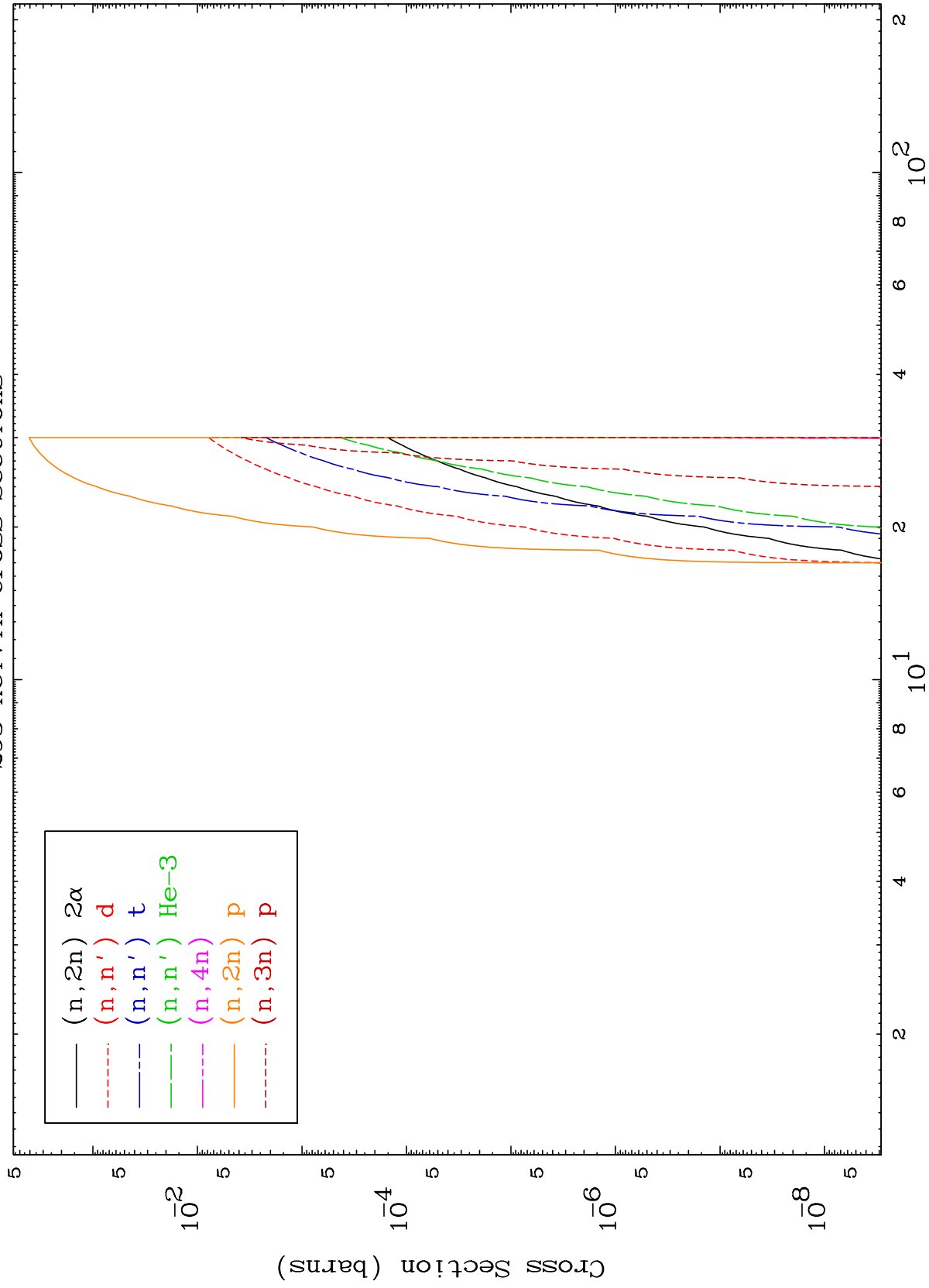
Incident Energy (MeV)

70-Yb-158

MAT 6995

Neutron Production  
293 Kelvin Cross Sections

70-Yb-158



3

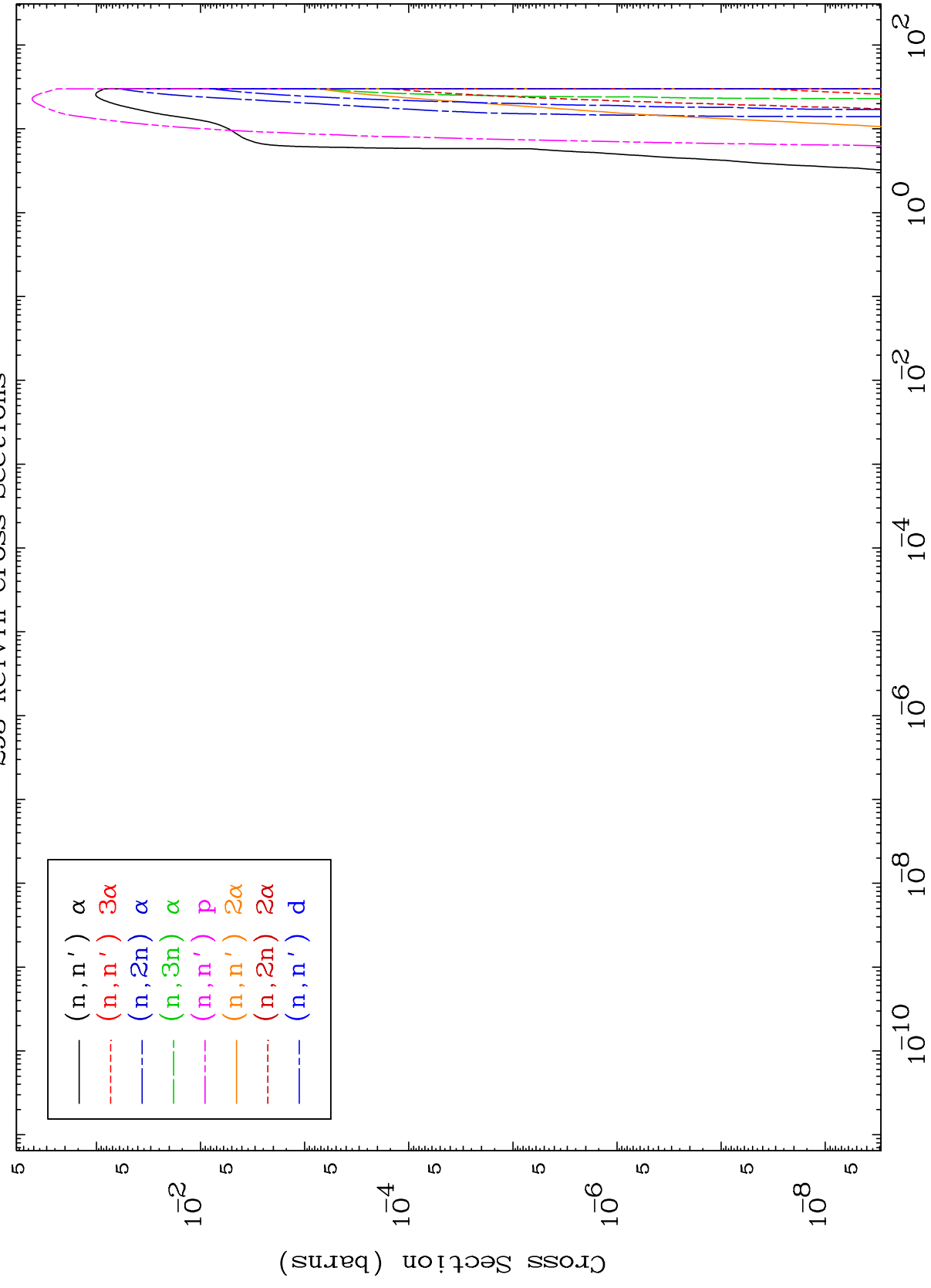
Incident Energy (MeV)

70-Yb-158

MAT 6995

293 Kelvin Cross Sections

70-Yb-158



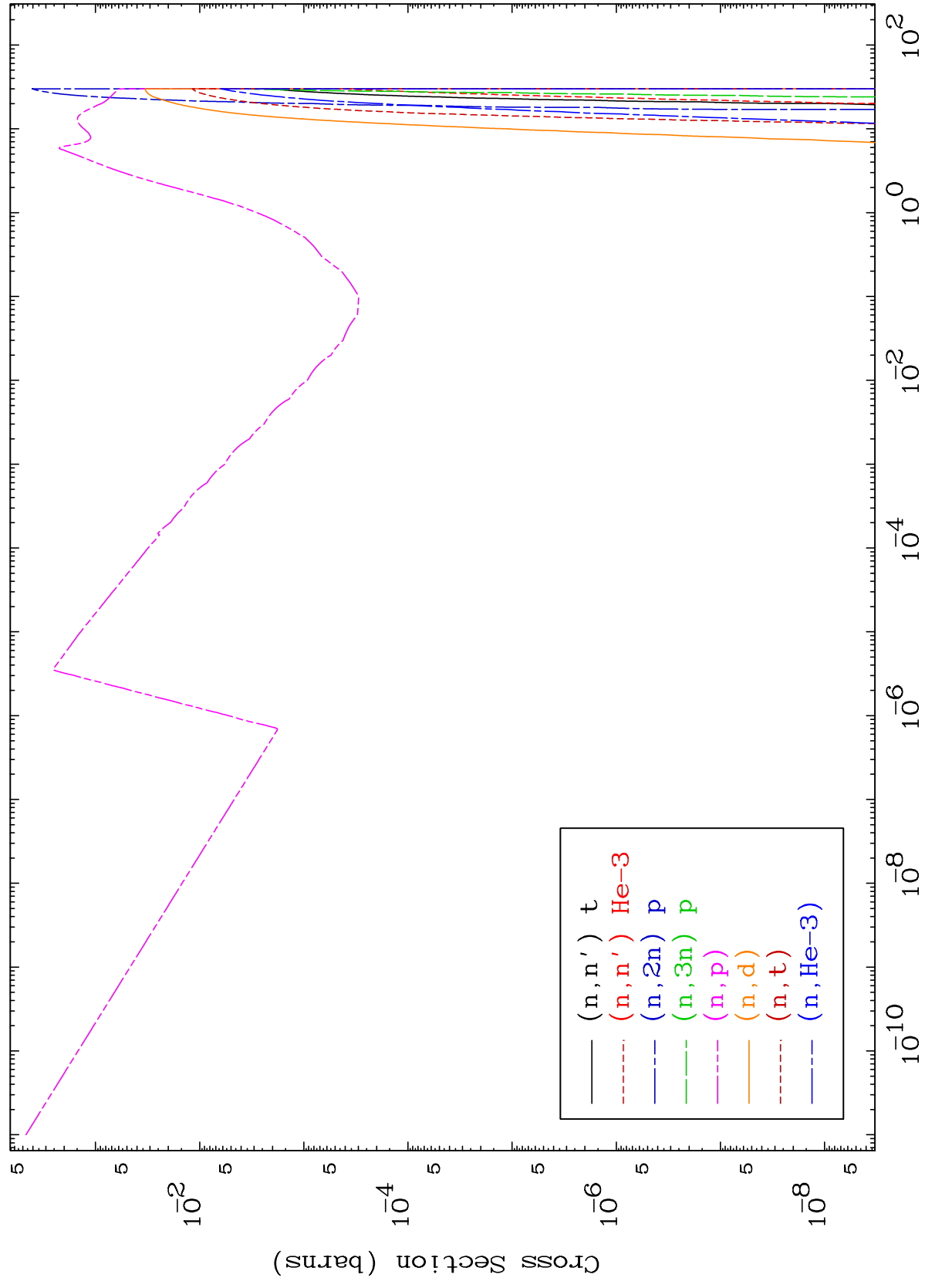
70-Yb-158

Incident Energy (MeV)

MAT 6995

Charged Particle  
293 Kelvin Cross Sections

70-Yb-158



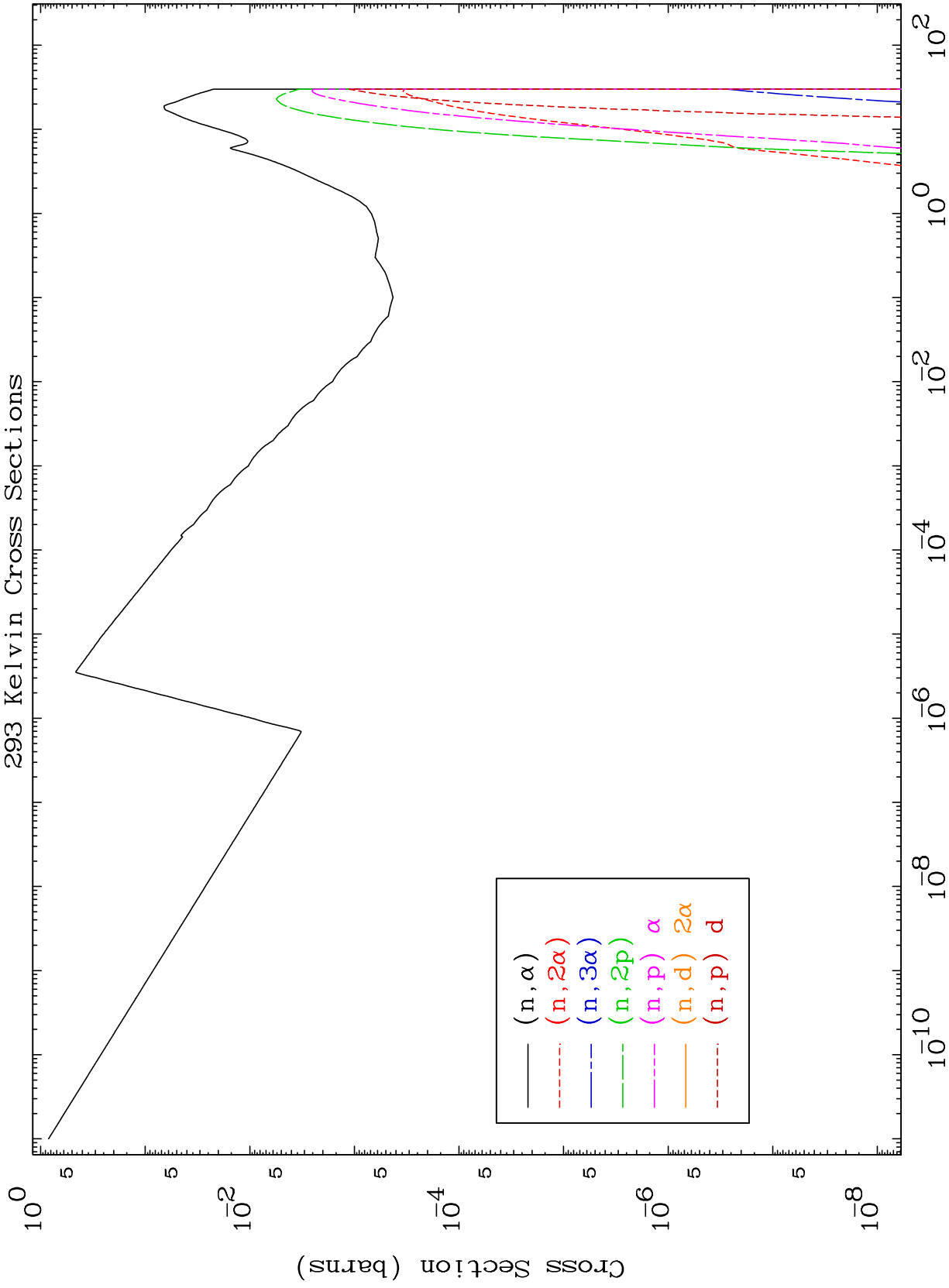
70-Yb-158

Incident Energy (MeV)

MAT 6995

293 Kelvin Cross Sections

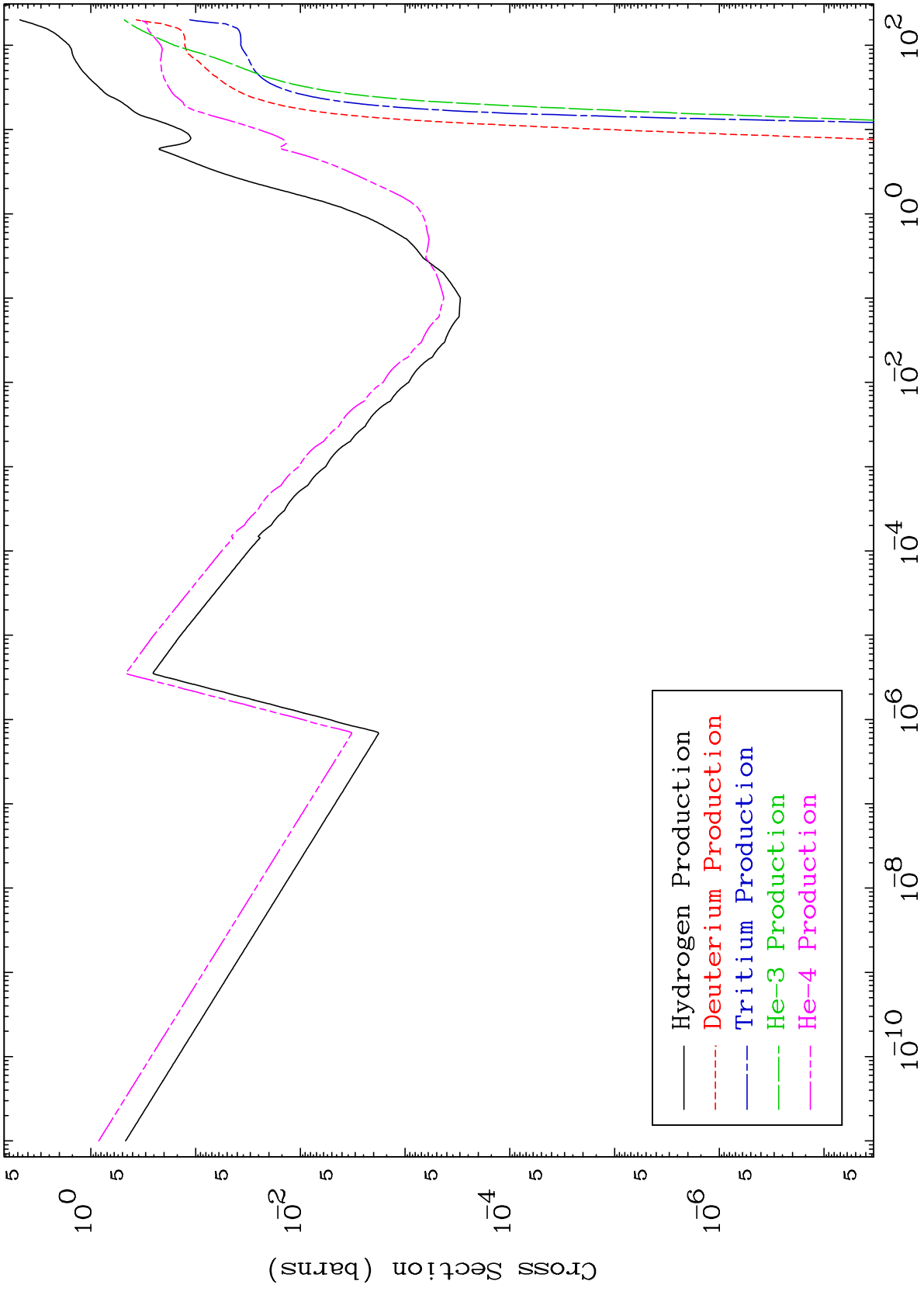
70-Yb-158



MAT 6995

Particle Production  
293 Kelvin Cross Sections

70-Yb-158

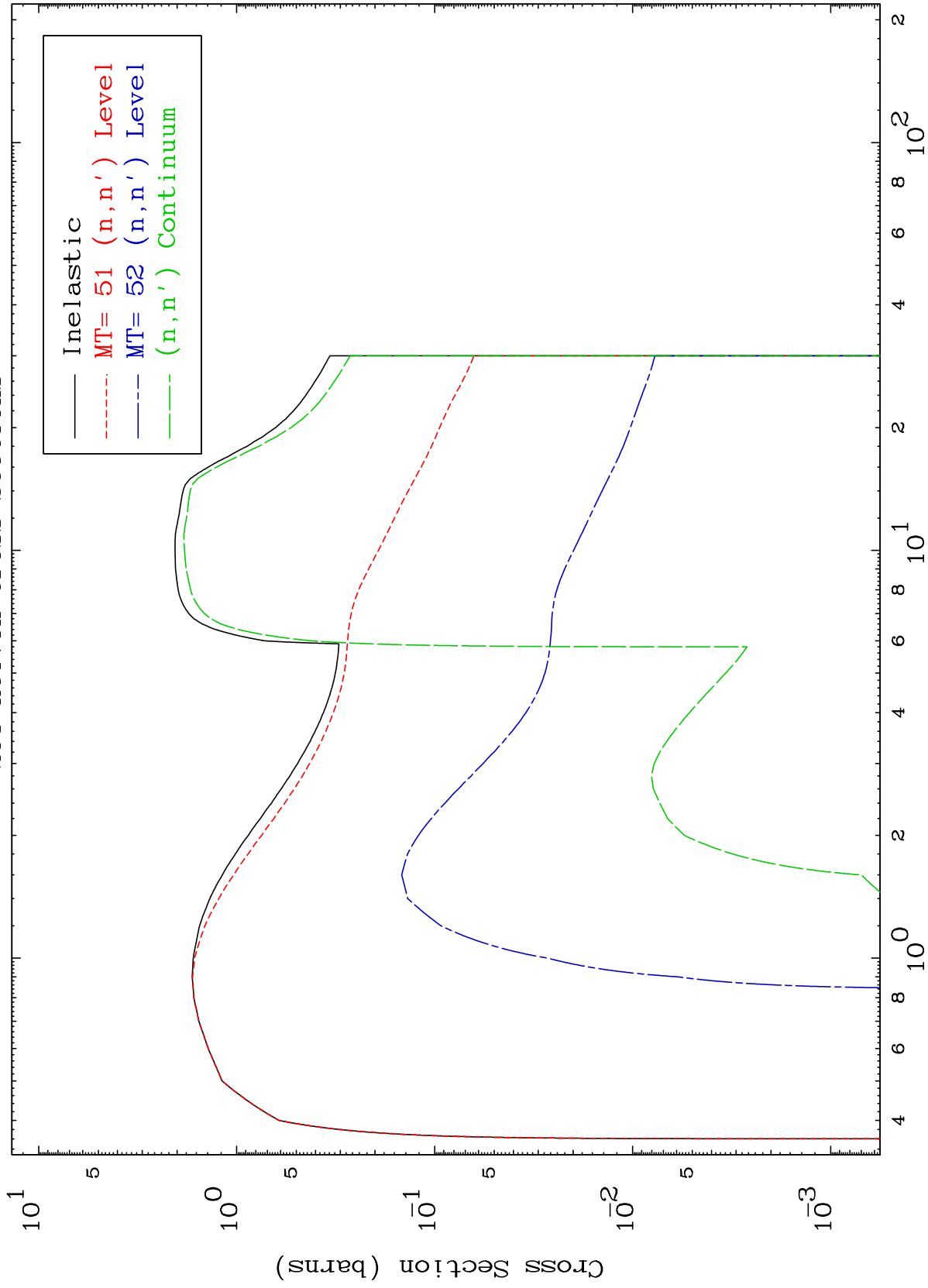




MAT 6995

(n,n') Level  
293 Kelvin Cross Sections

70-Yb-158



8

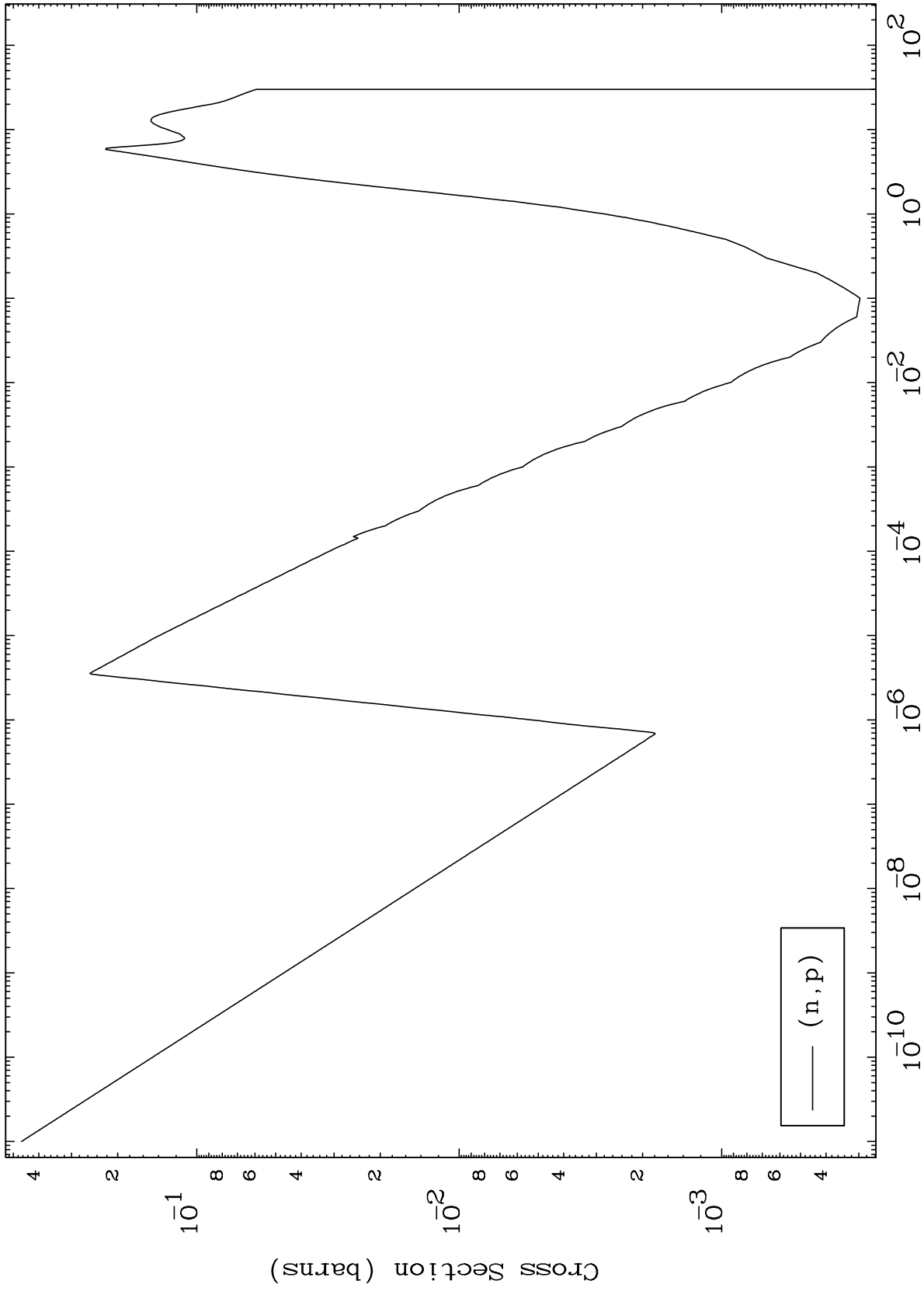
Incident Energy (MeV)

70-Yb-158

MAT 6995

(n,p) Levels  
293 Kelvin Cross Sections

70-Yb-158

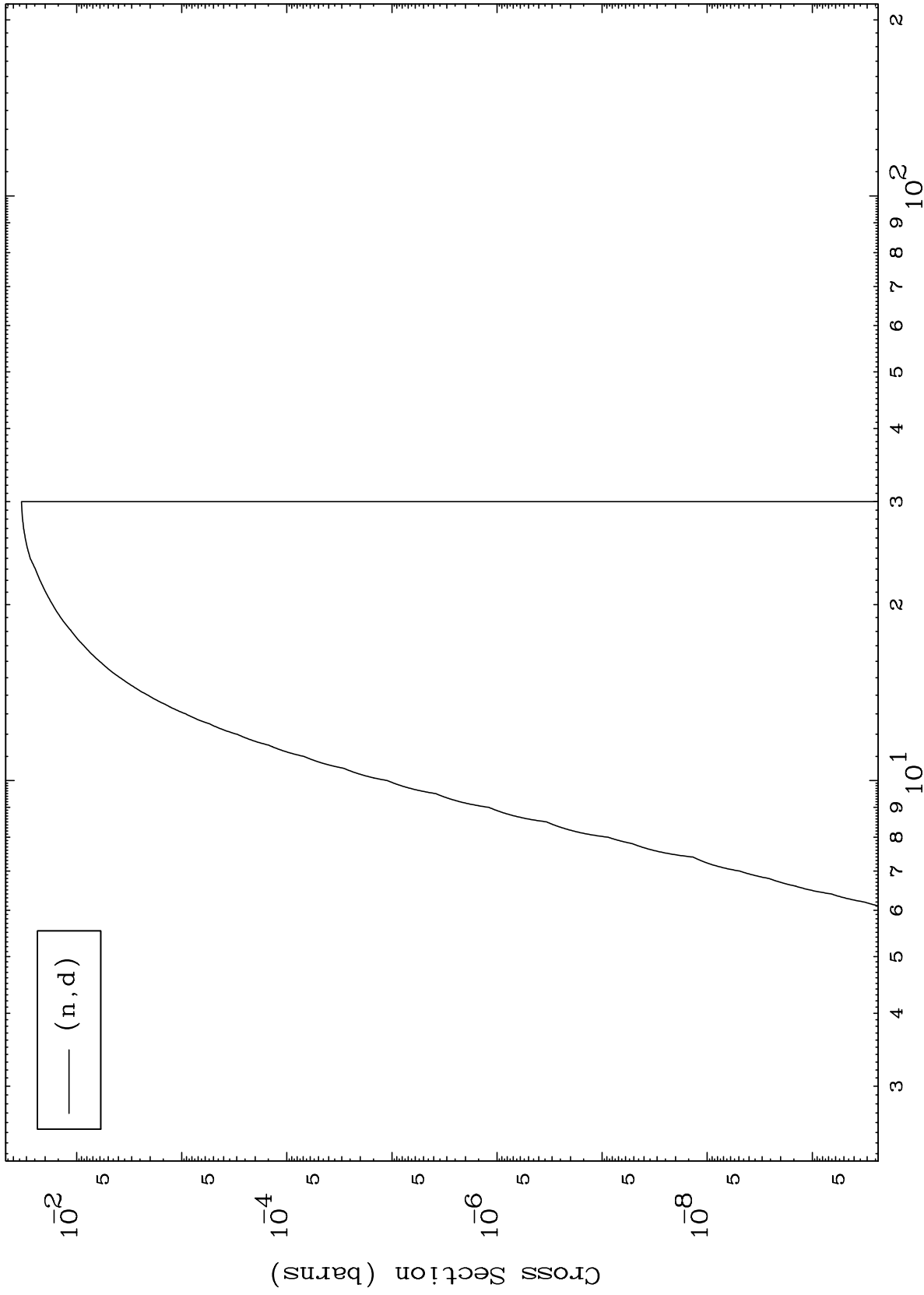


— (n, p)

MAT 6995

(n,d) Levels  
293 Kelvin Cross Sections

70-Yb-158



10

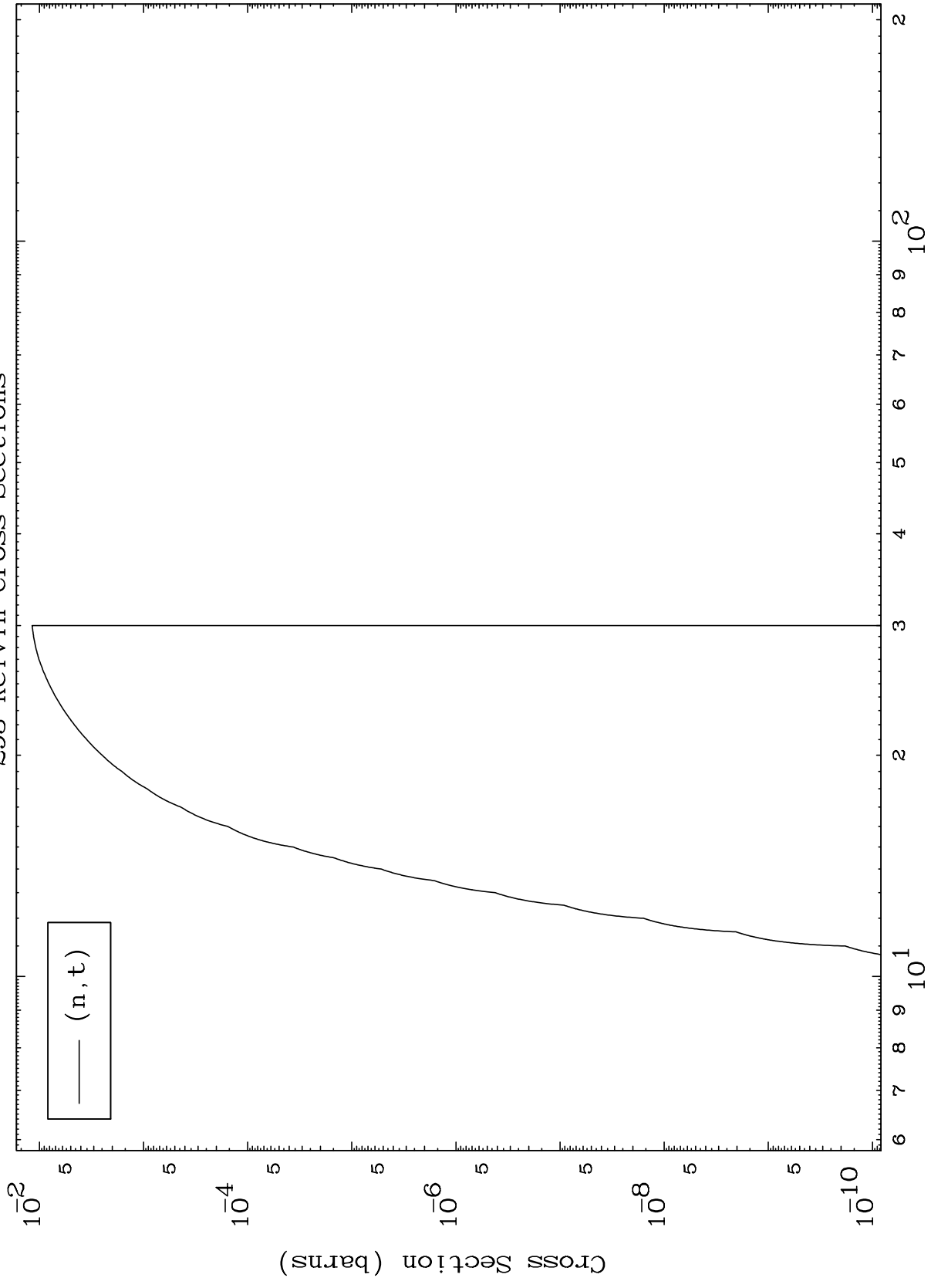
Incident Energy (MeV)

70-Yb-158

MAT 6995

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-158



11

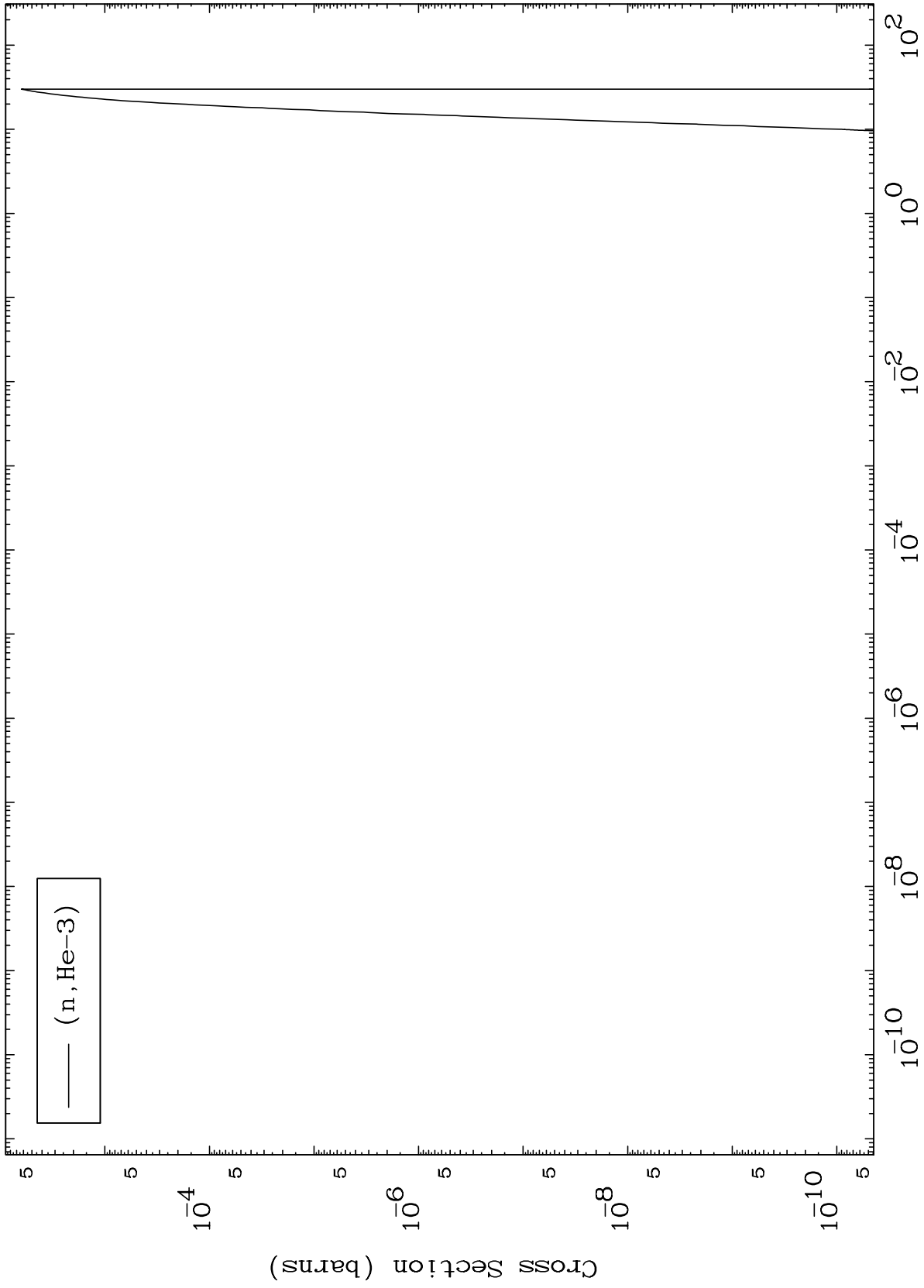
Incident Energy (MeV)

70-Yb-158

MAT 6995

(n,He3) Levels  
293 Kelvin Cross Sections

70-Yb-158



12

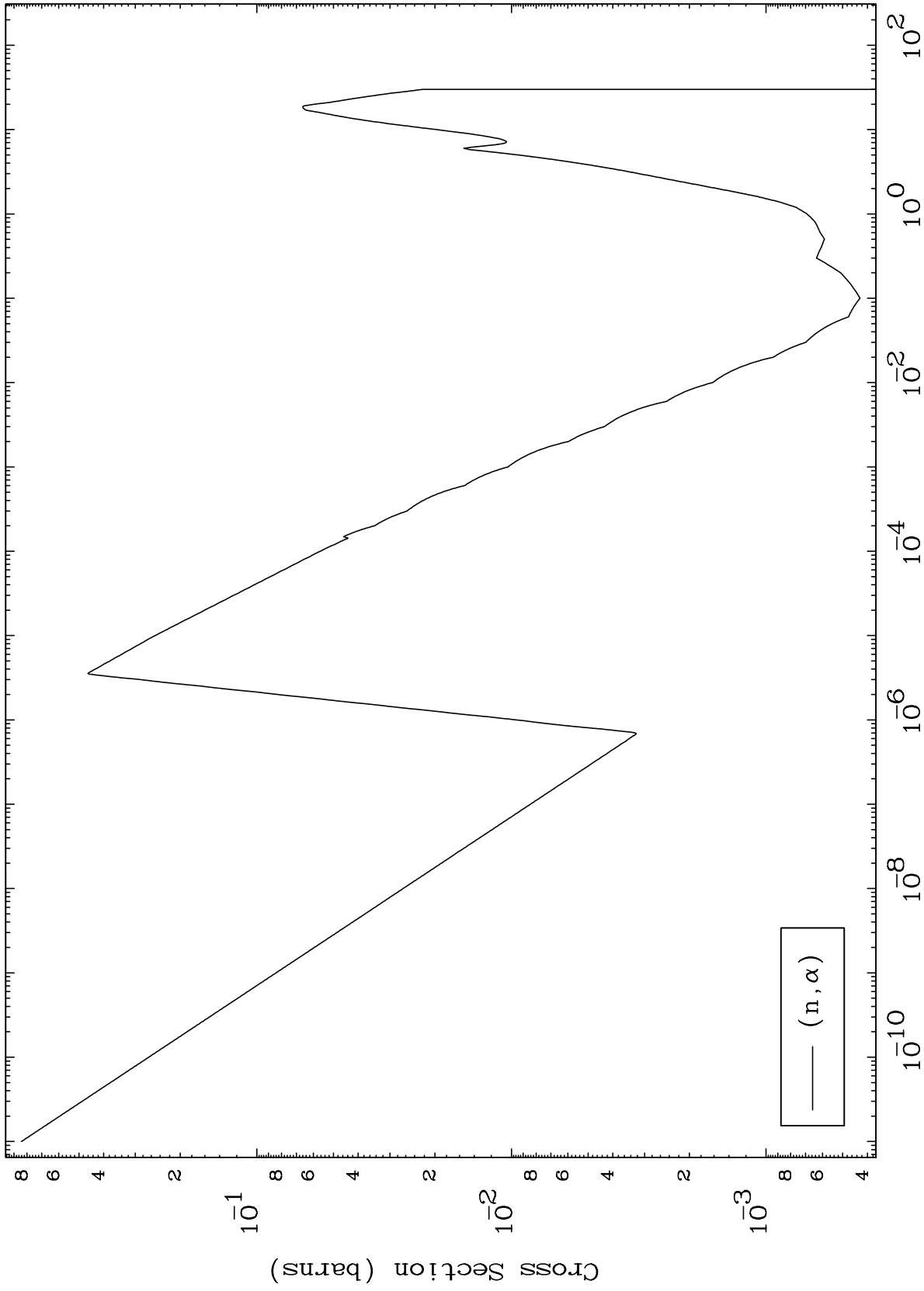
Incident Energy (MeV)

70-Yb-158

MAT 6995

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

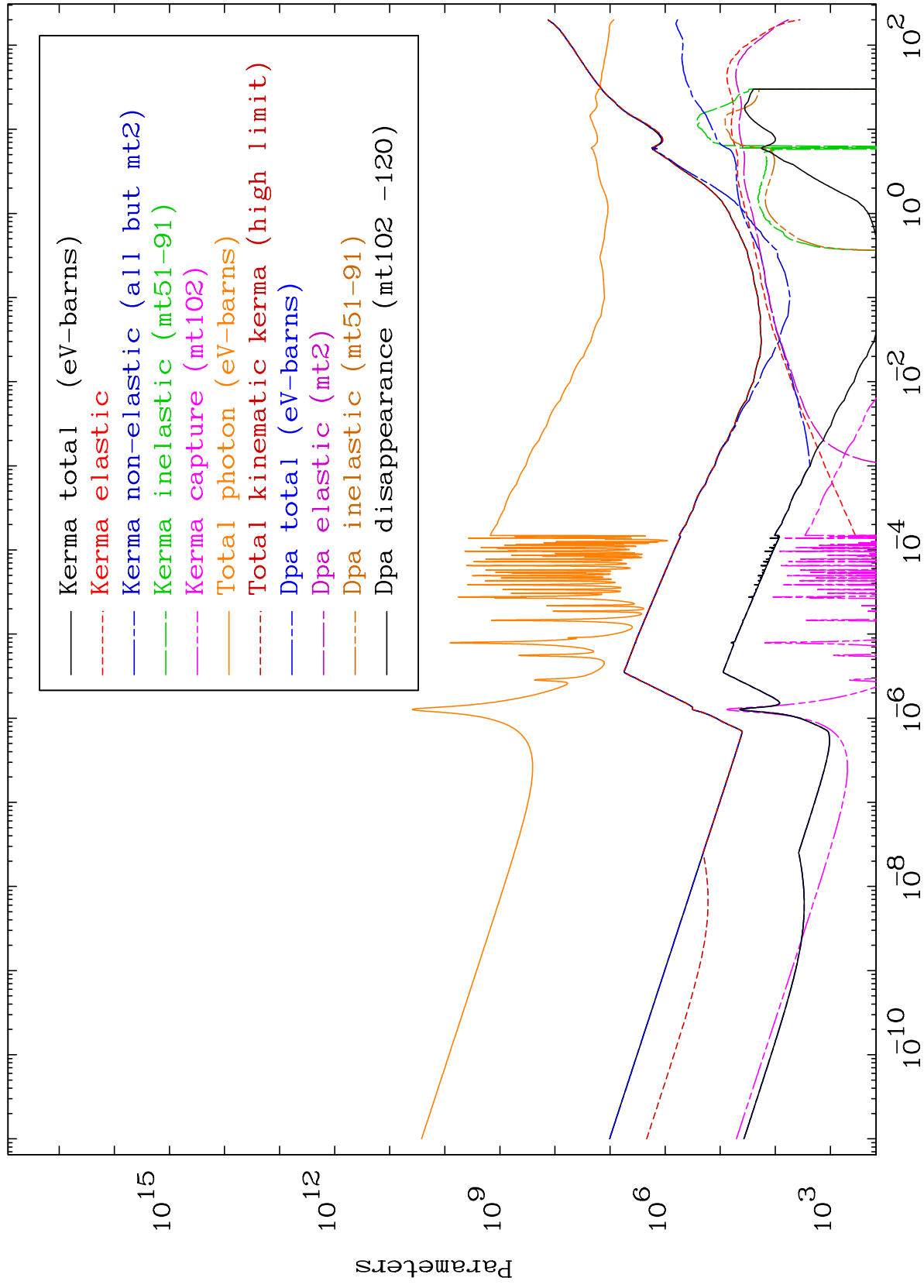
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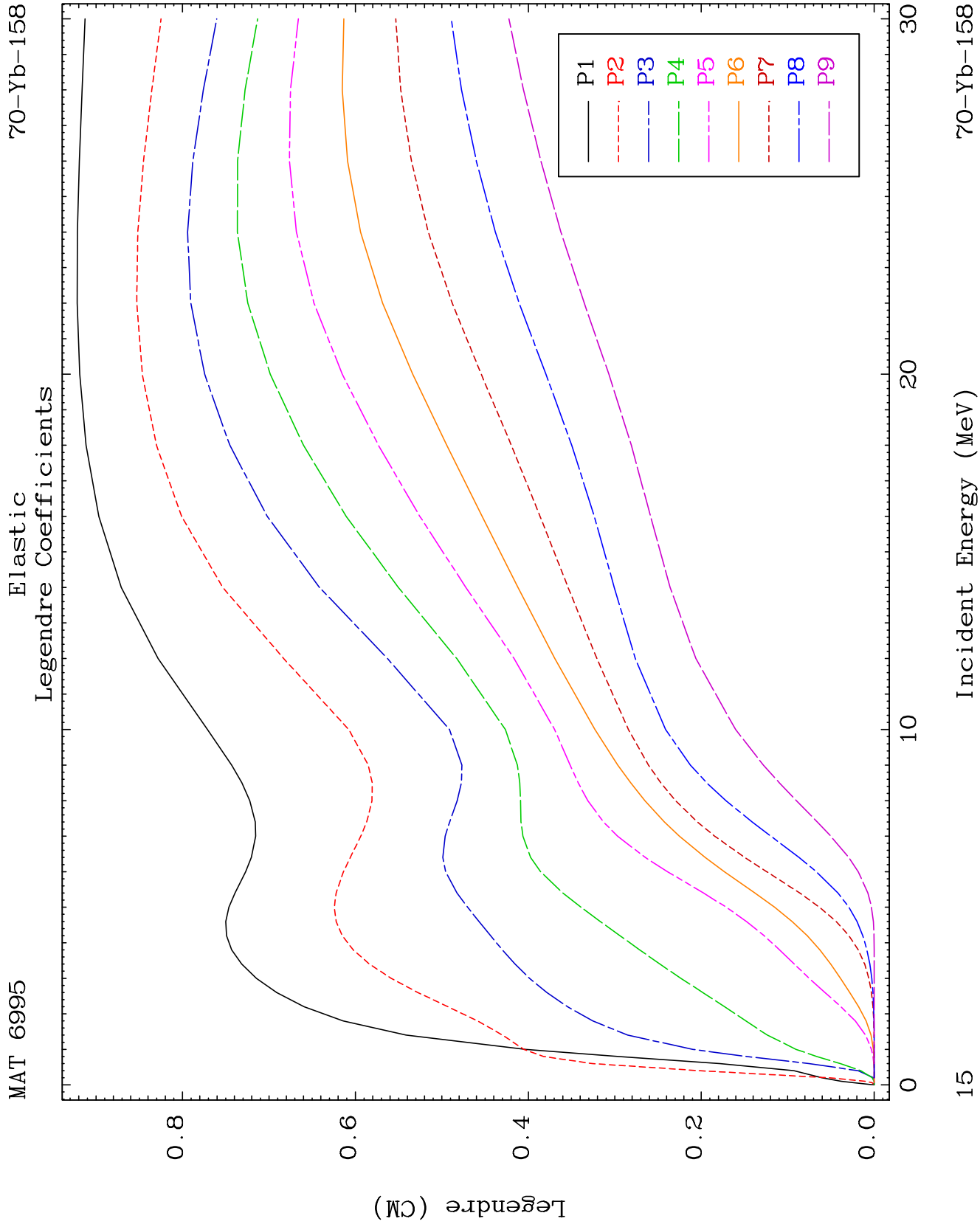


13

Incident Energy (MeV)

70-Yb-158



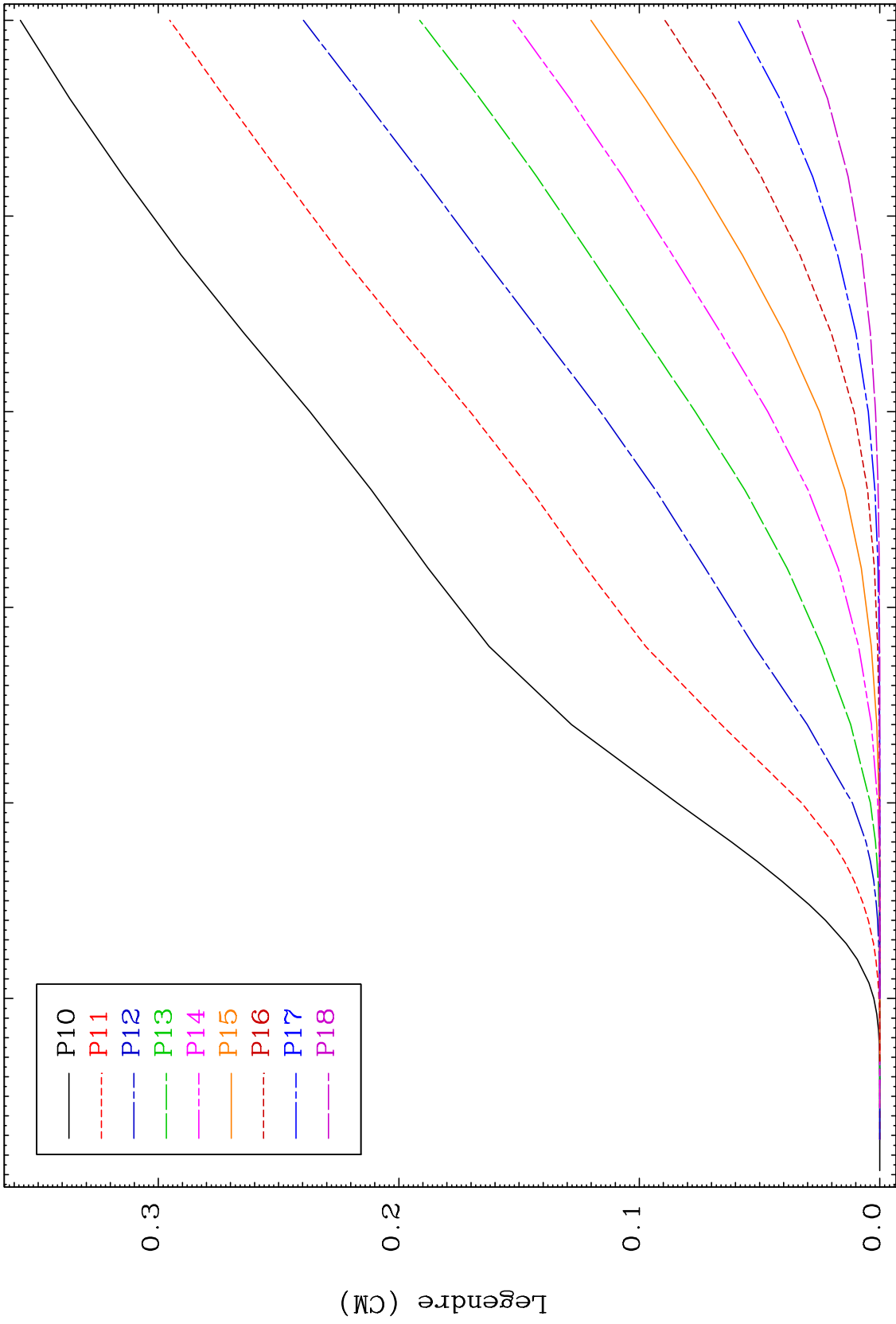




MAT 6995

Elastic Legendre Coefficients

70-Yb-158



16

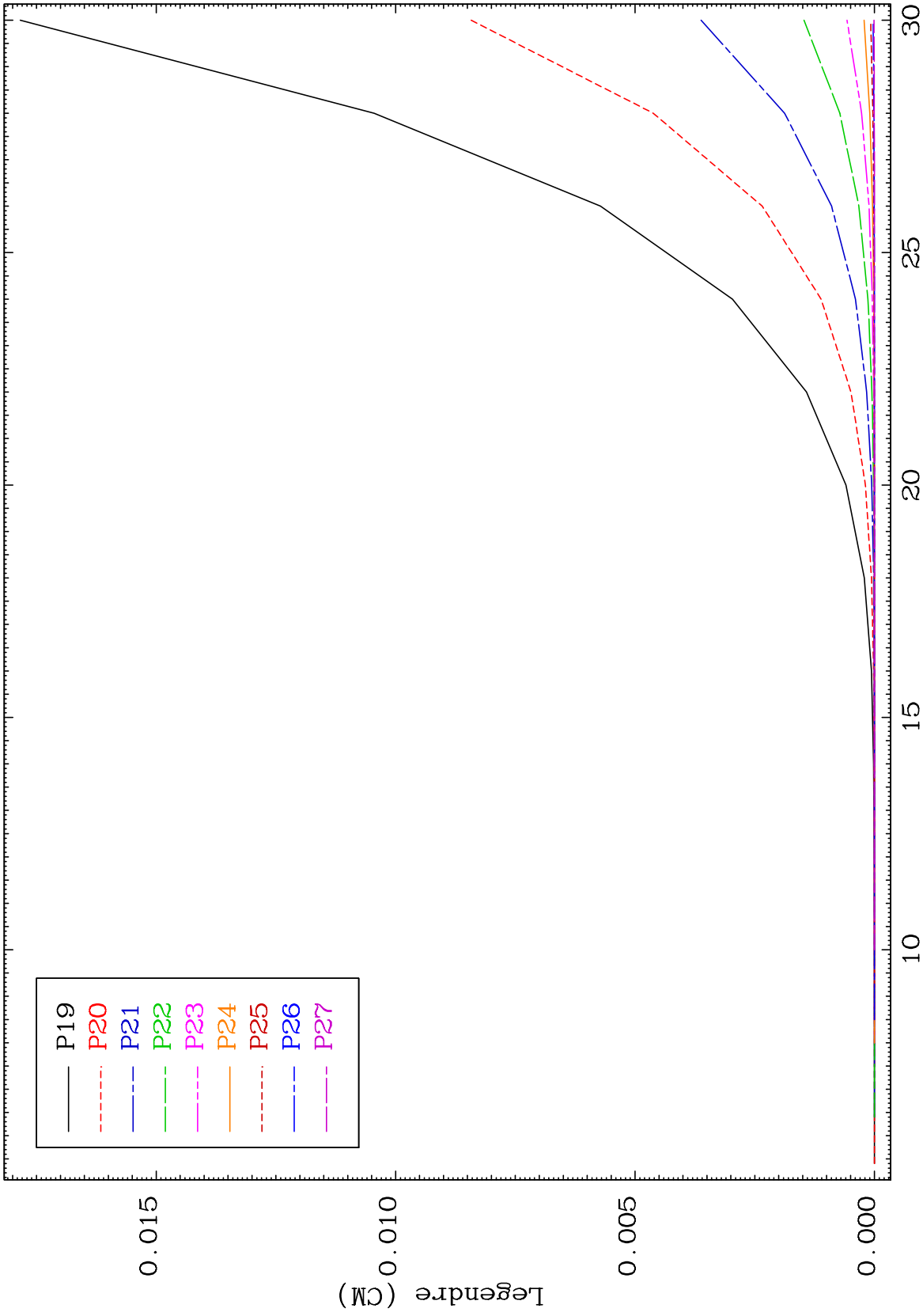
Incident Energy (MeV)

70-Yb-158

MAT 6995

Elastic Legendre Coefficients

70-Yb-158



17

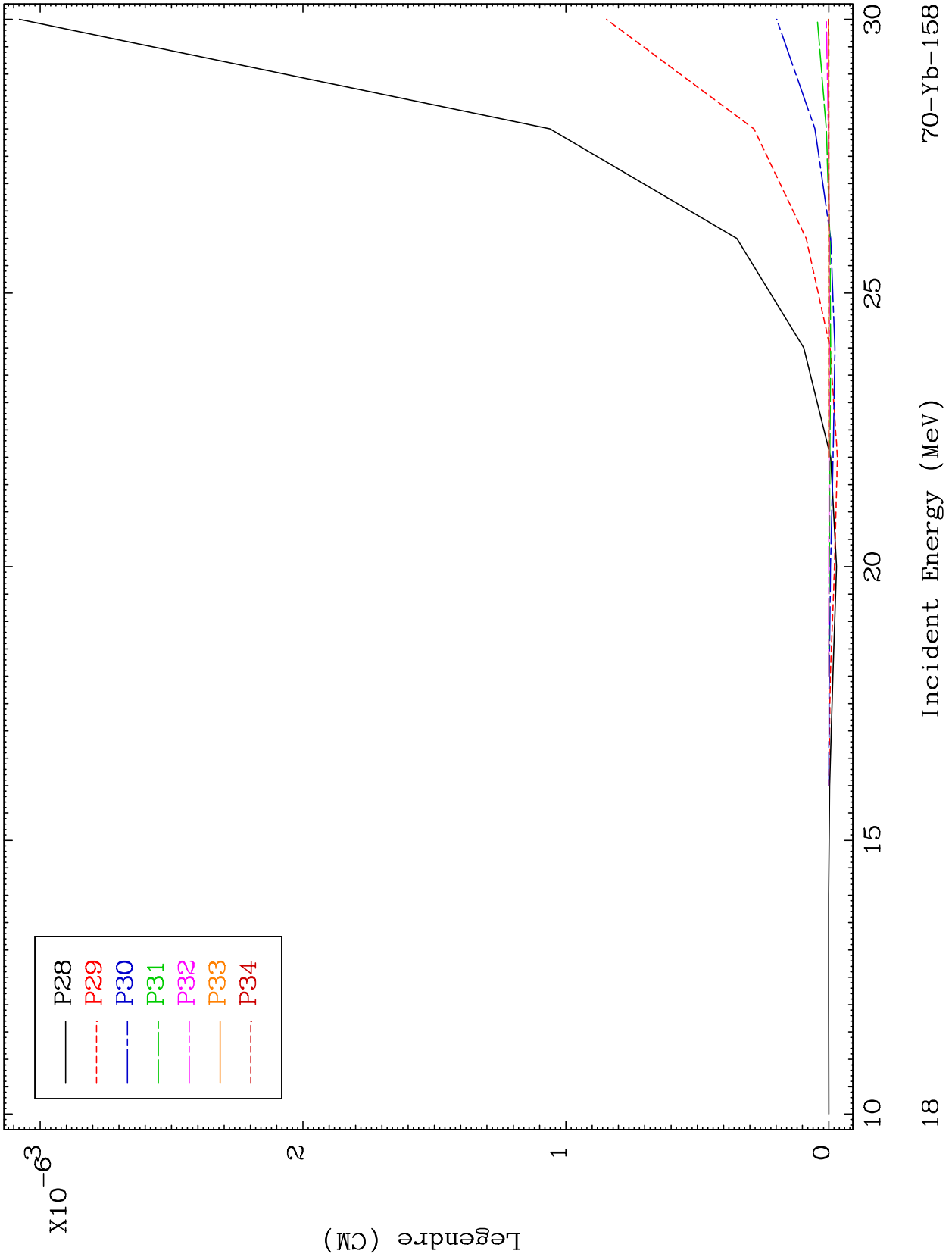
Incident Energy (MeV)

70-Yb-158

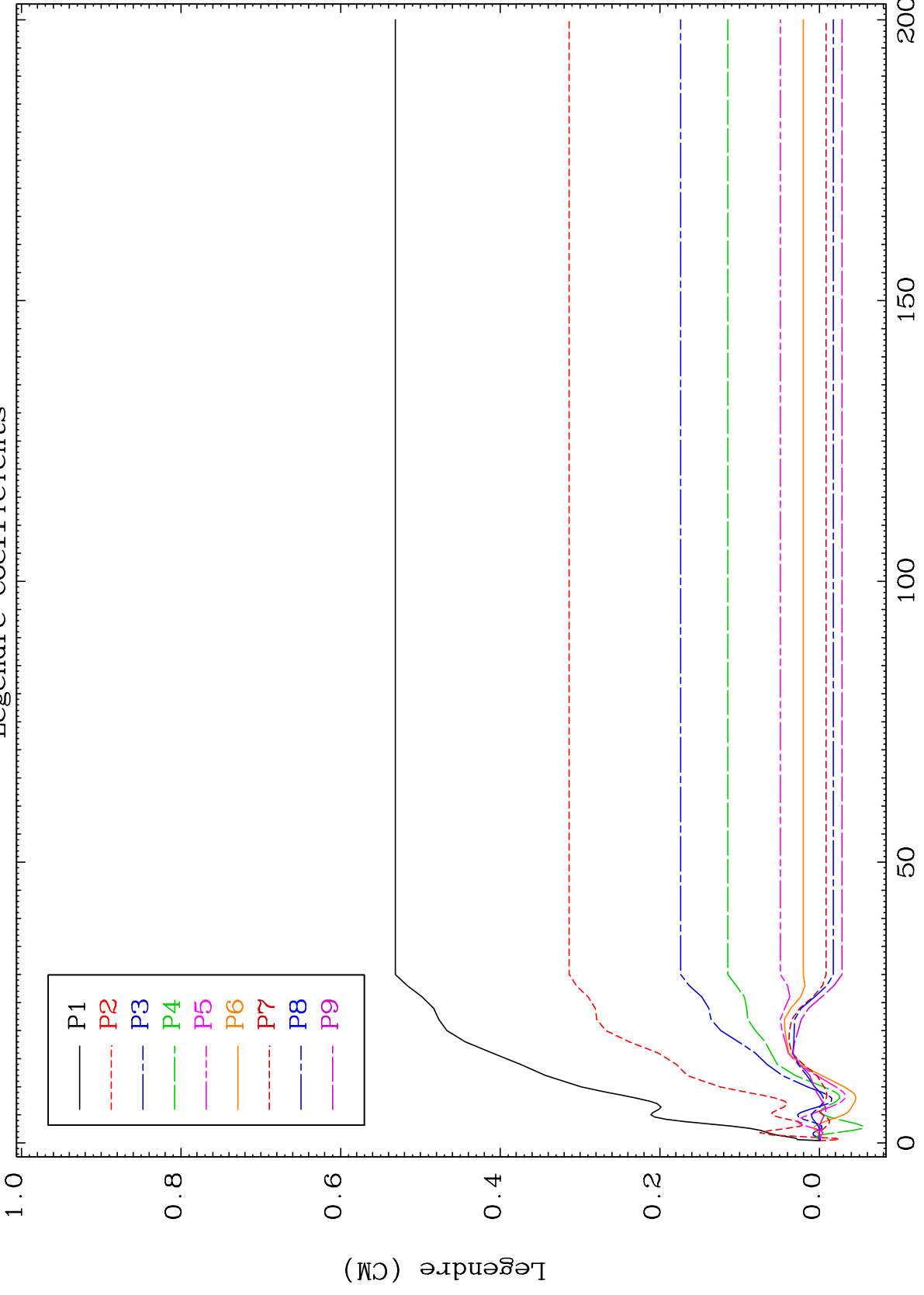
MAT 6995

Elastic Legendre Coefficients

70-Yb-158



MAT 6995 MT= 51 (n,n') Level Legendre Coefficients 70-Yb-158

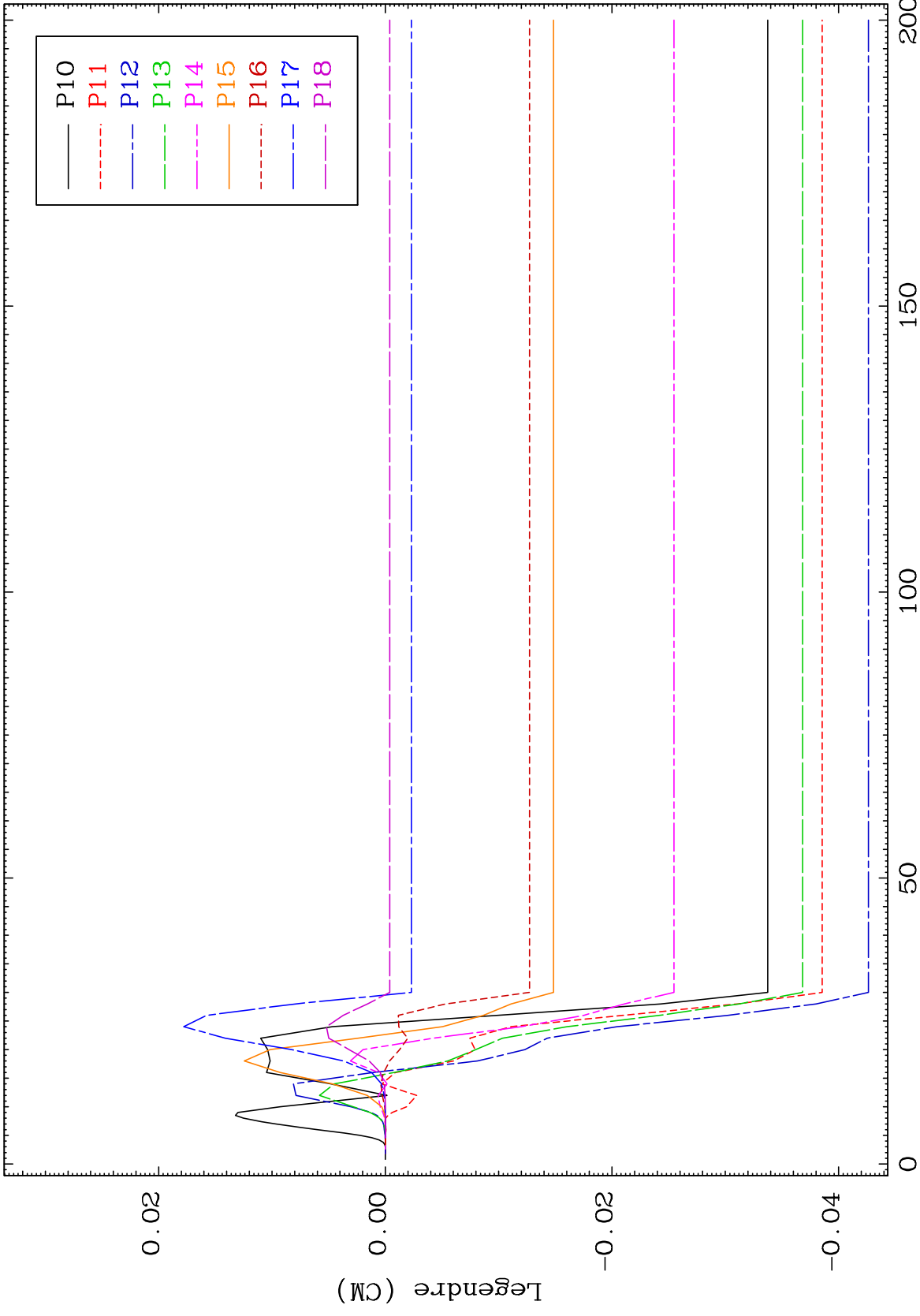


19 Incident Energy (MeV) 70-Yb-158

MAT 6995

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

70-Yb-158



20

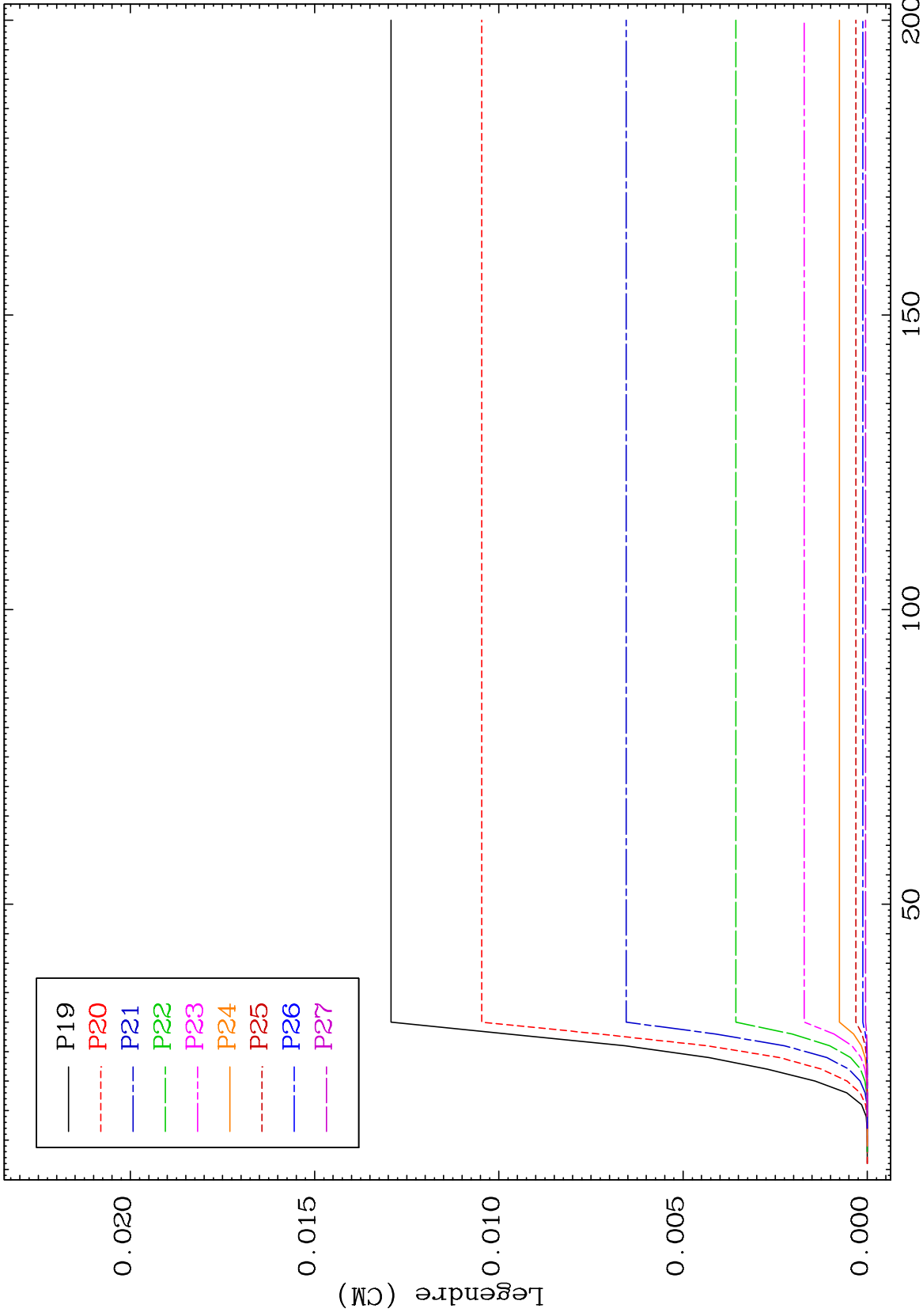
Incident Energy (MeV)

70-Yb-158

MAT 6995

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

70-Yb-158



21

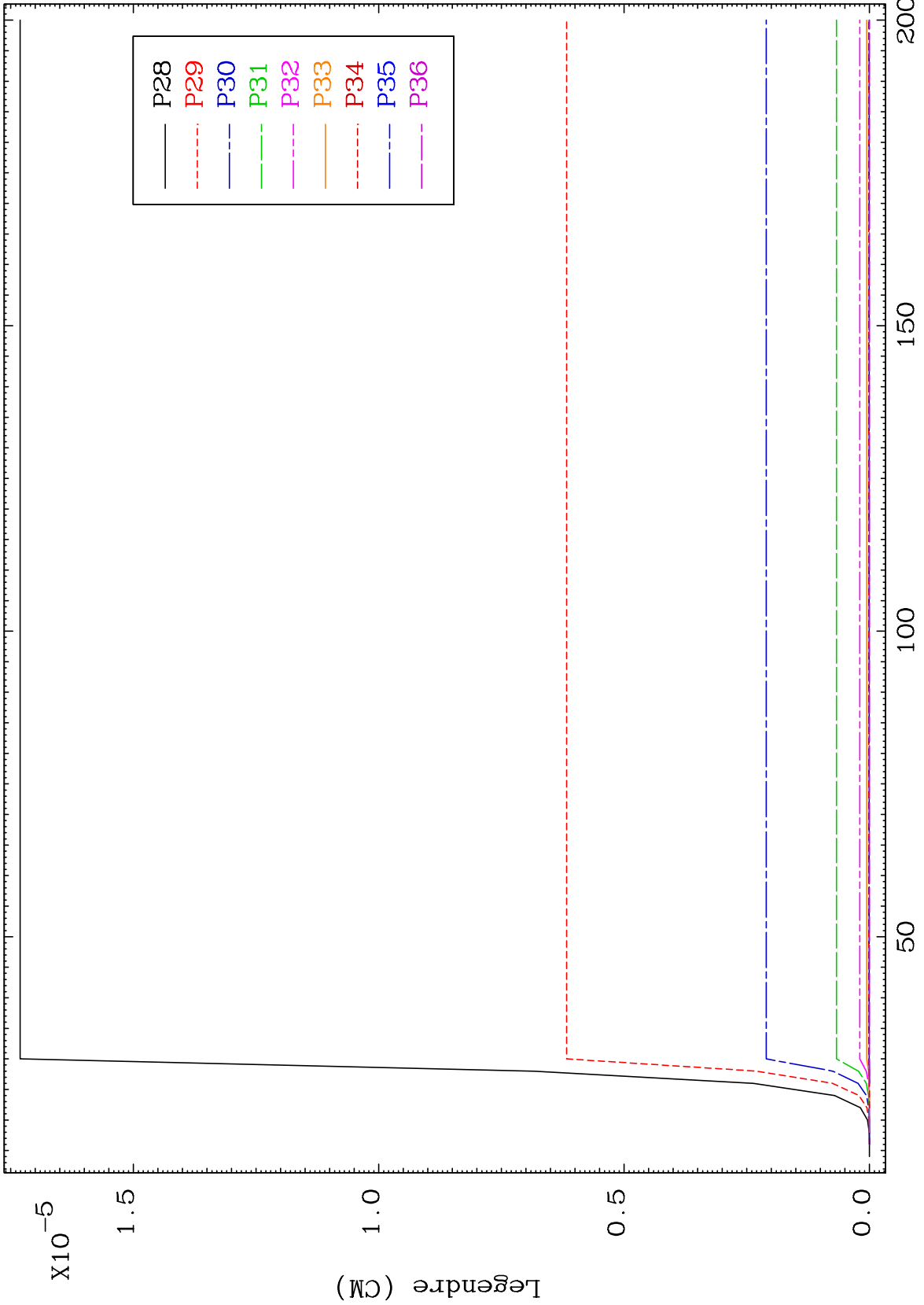
Incident Energy (MeV)

70-Yb-158

MAT 6995

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

70-Yb-158



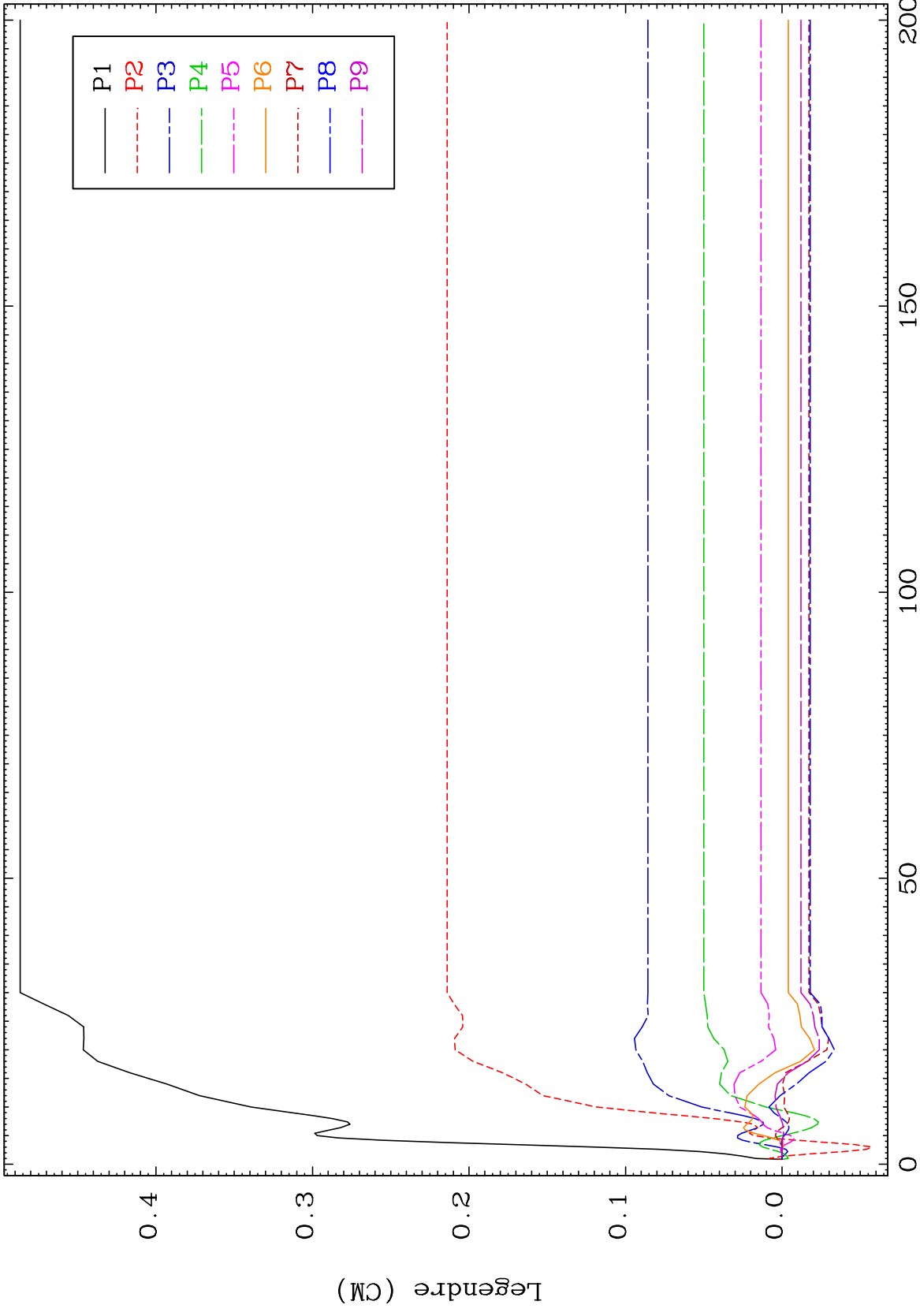
22

70-Yb-158

MAT 6995

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

70-Yb-158



23

Incident Energy (MeV)

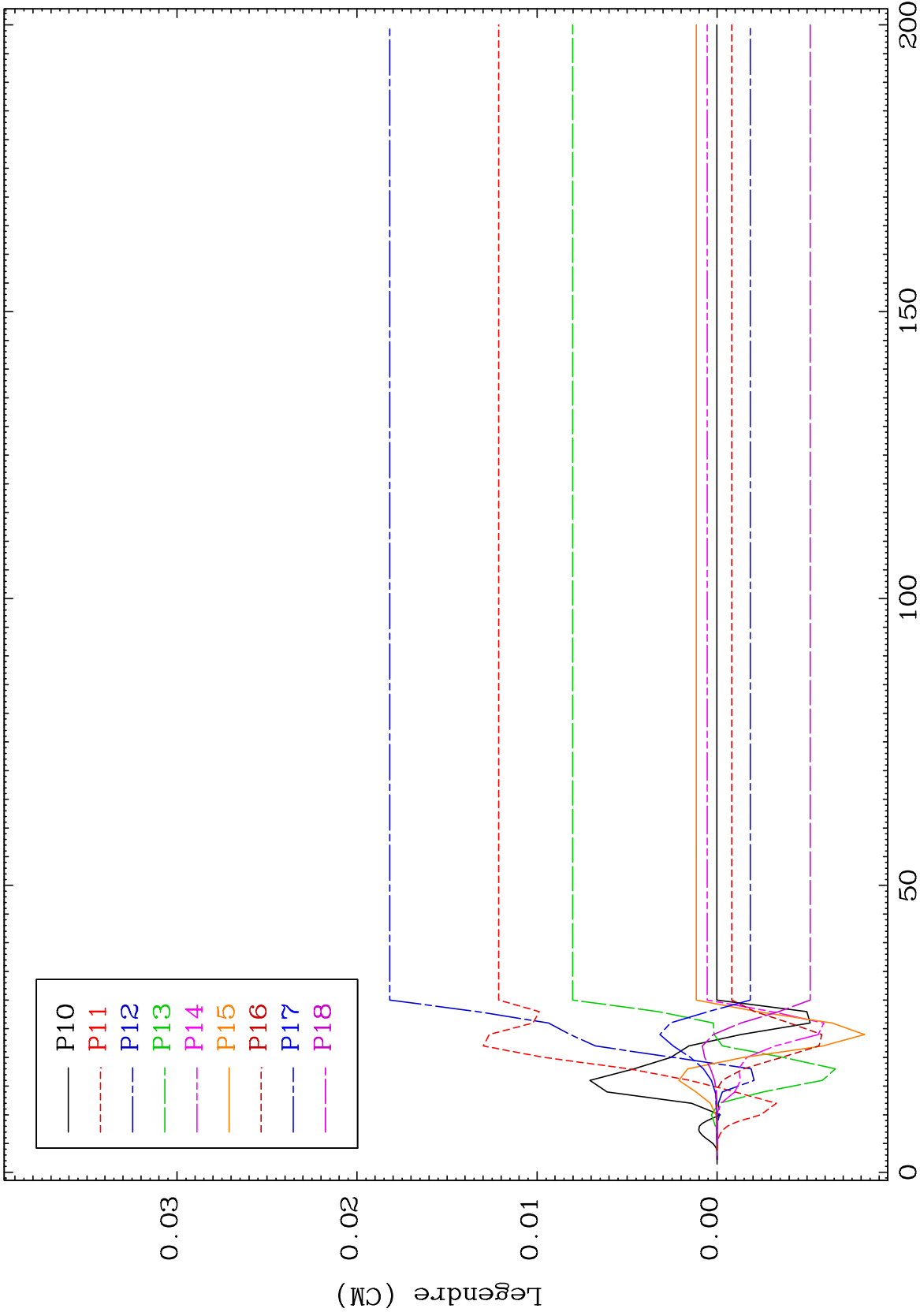
70-Yb-158



MAT 6995

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

70-Yb-158



24

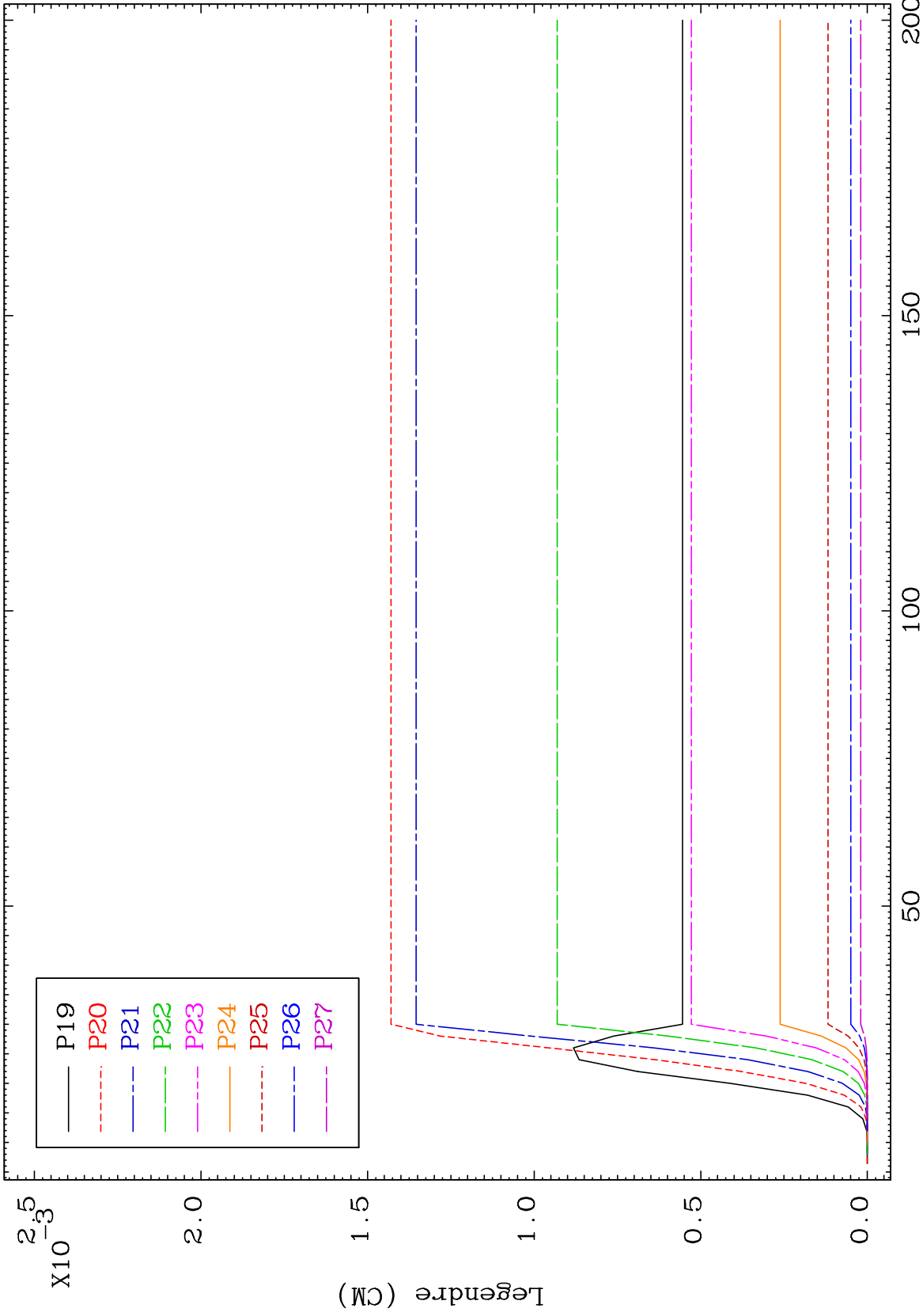
Incident Energy (MeV)

70-Yb-158

MAT 6995

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

70-Yb-158



25

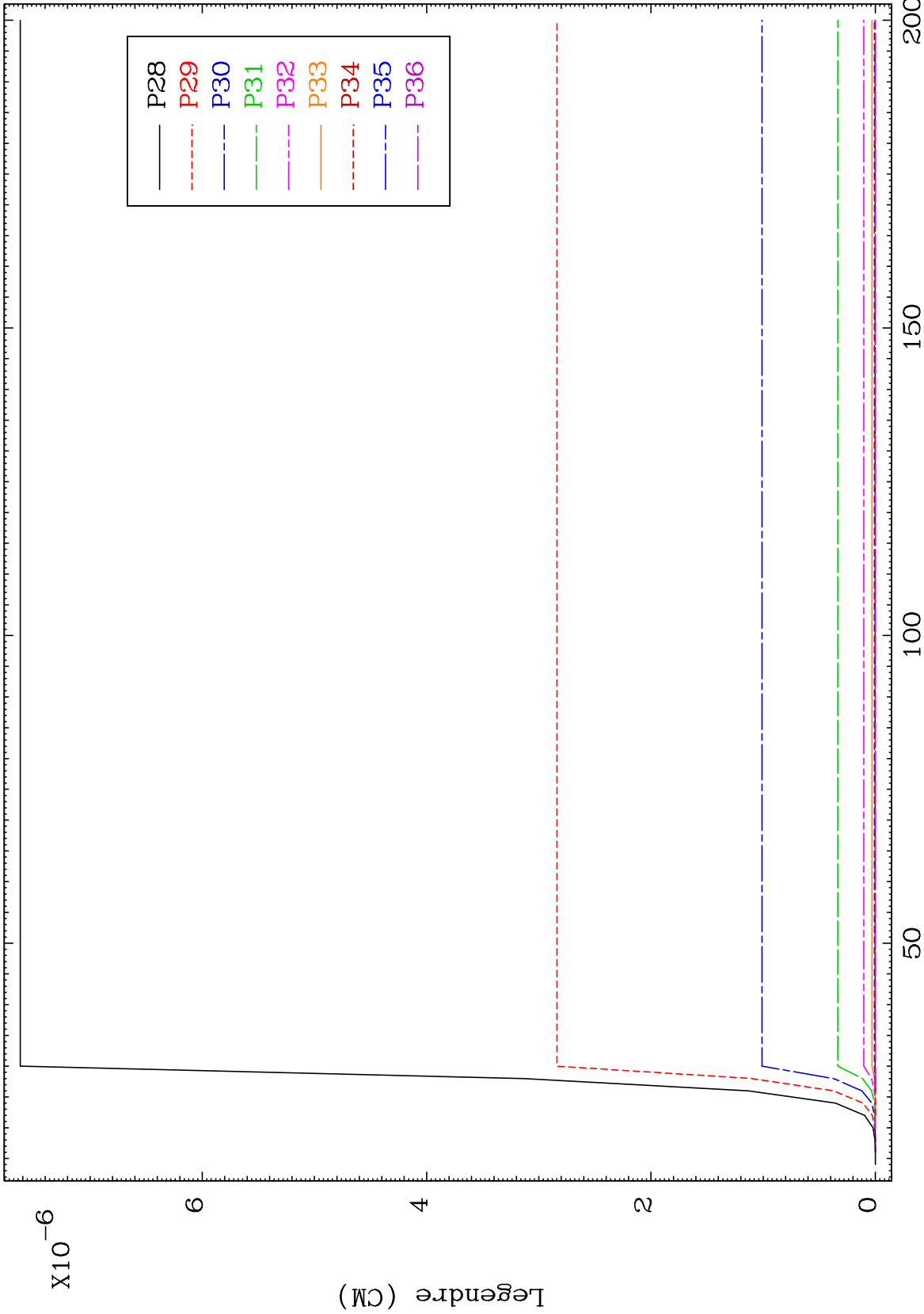
Incident Energy (MeV)

70-Yb-158

MAT 6995

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

70-Yb-158



26

Incident Energy (MeV)

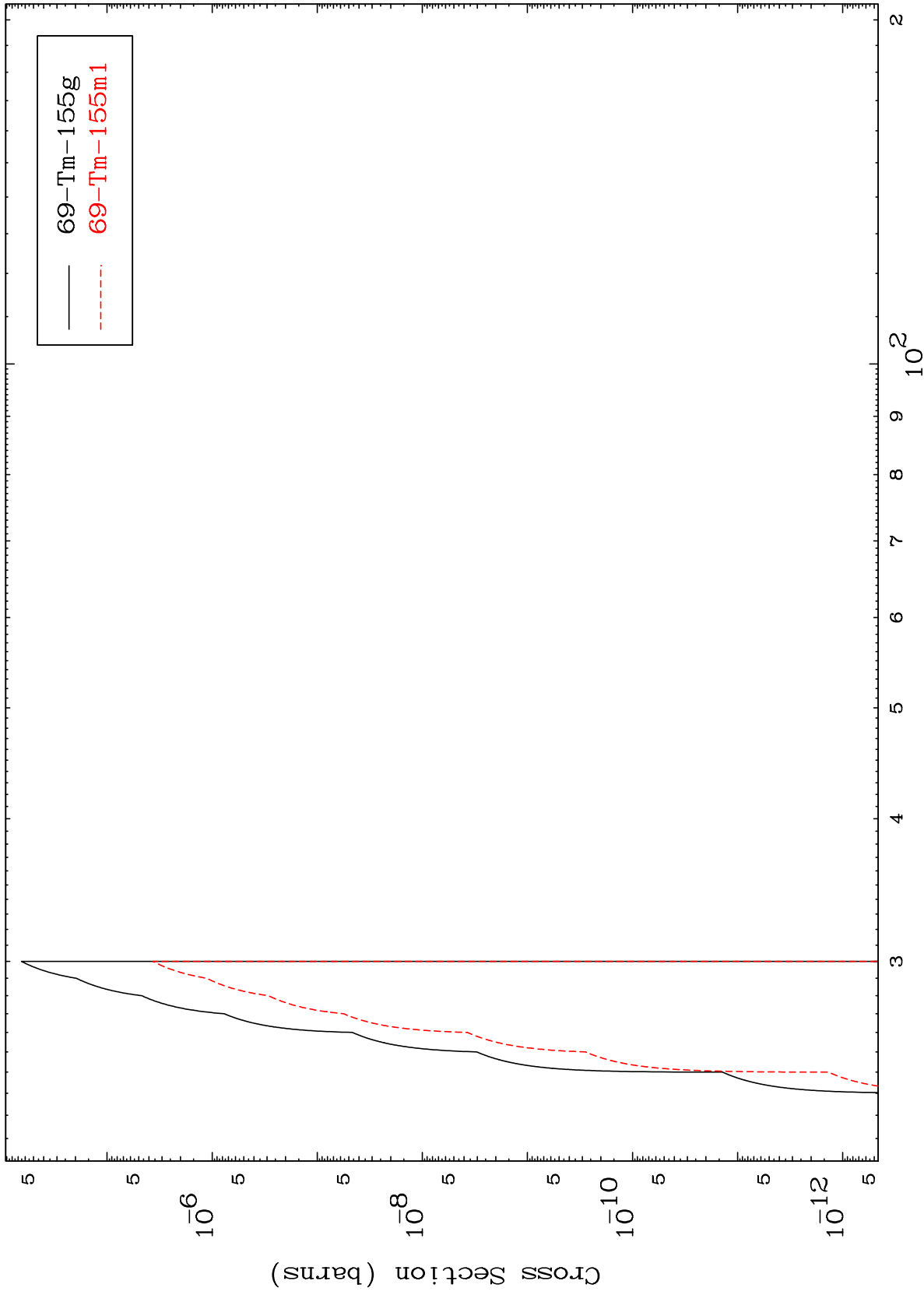
70-Yb-158

MAT 6995

(n,2n) d

70-Yb-158

Radionuclide Production Cross Section



27

Incident Energy (MeV)

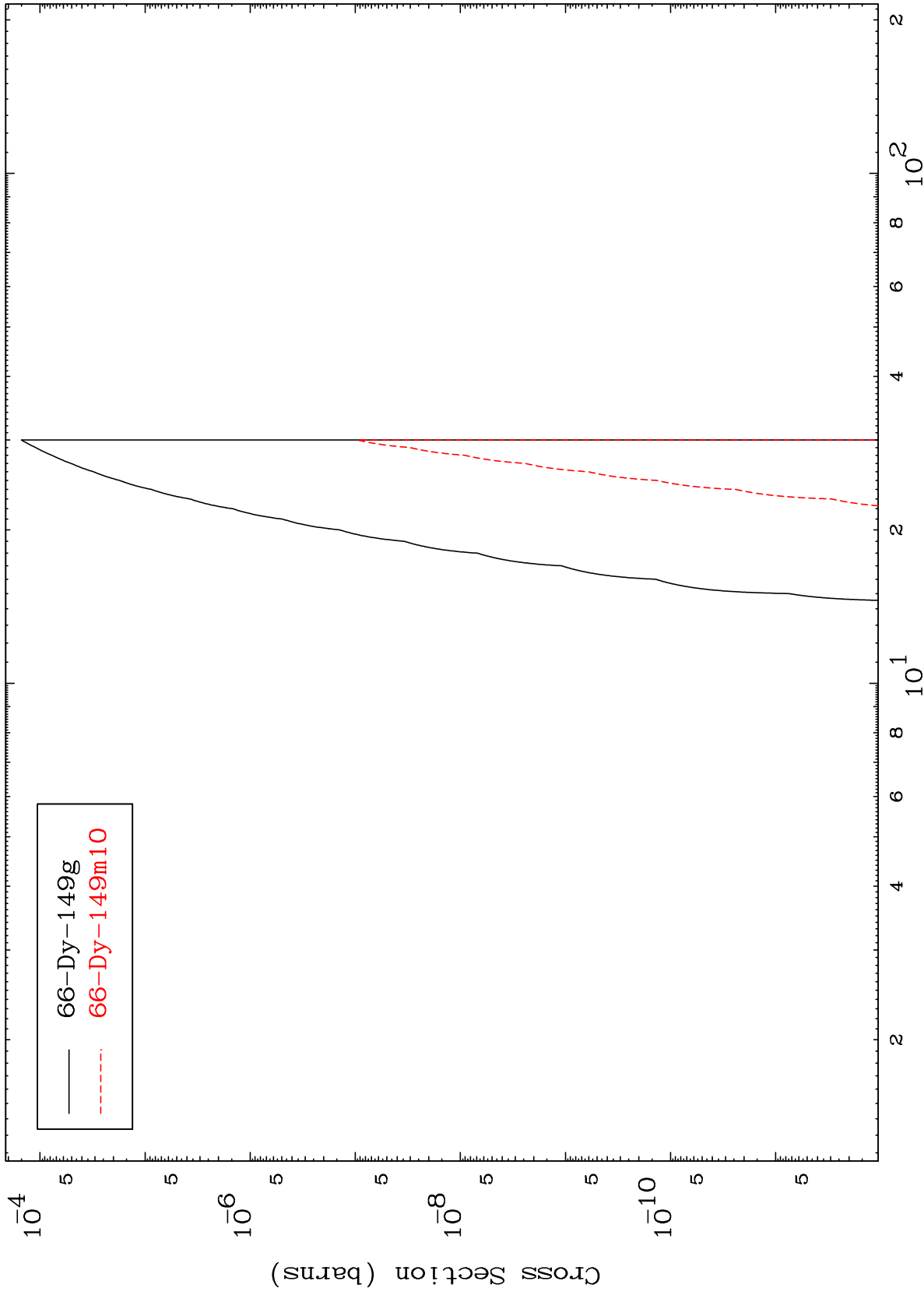
70-Yb-158

MAT 6995

(n,2n) 2α

70-Yb-158

Radionuclide Production Cross Section



28

Incident Energy (MeV)

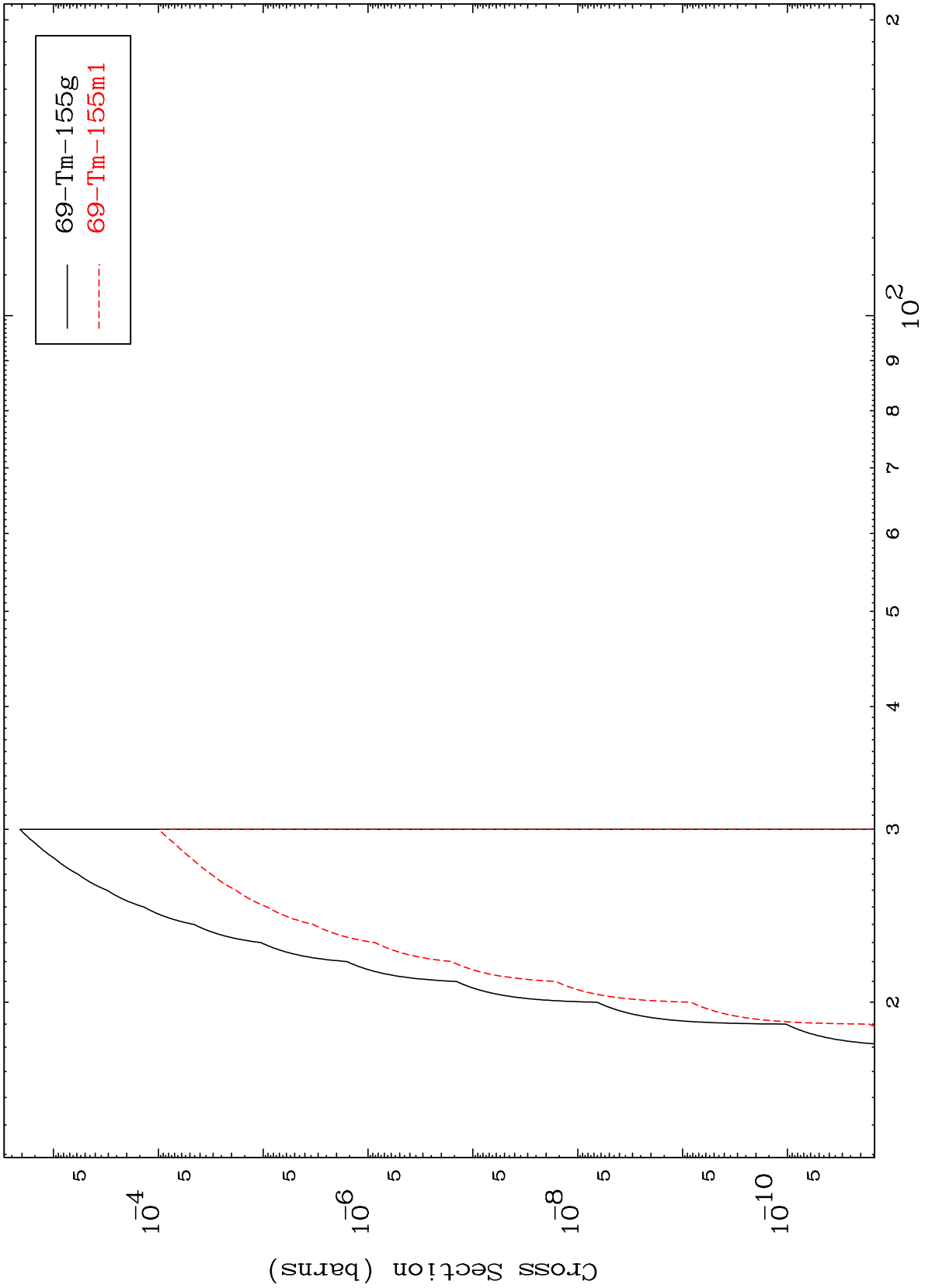
70-Yb-158

MAT 6995

(n,n') t

70-Yb-158

Radionuclide Production Cross Section



29

Incident Energy (MeV)

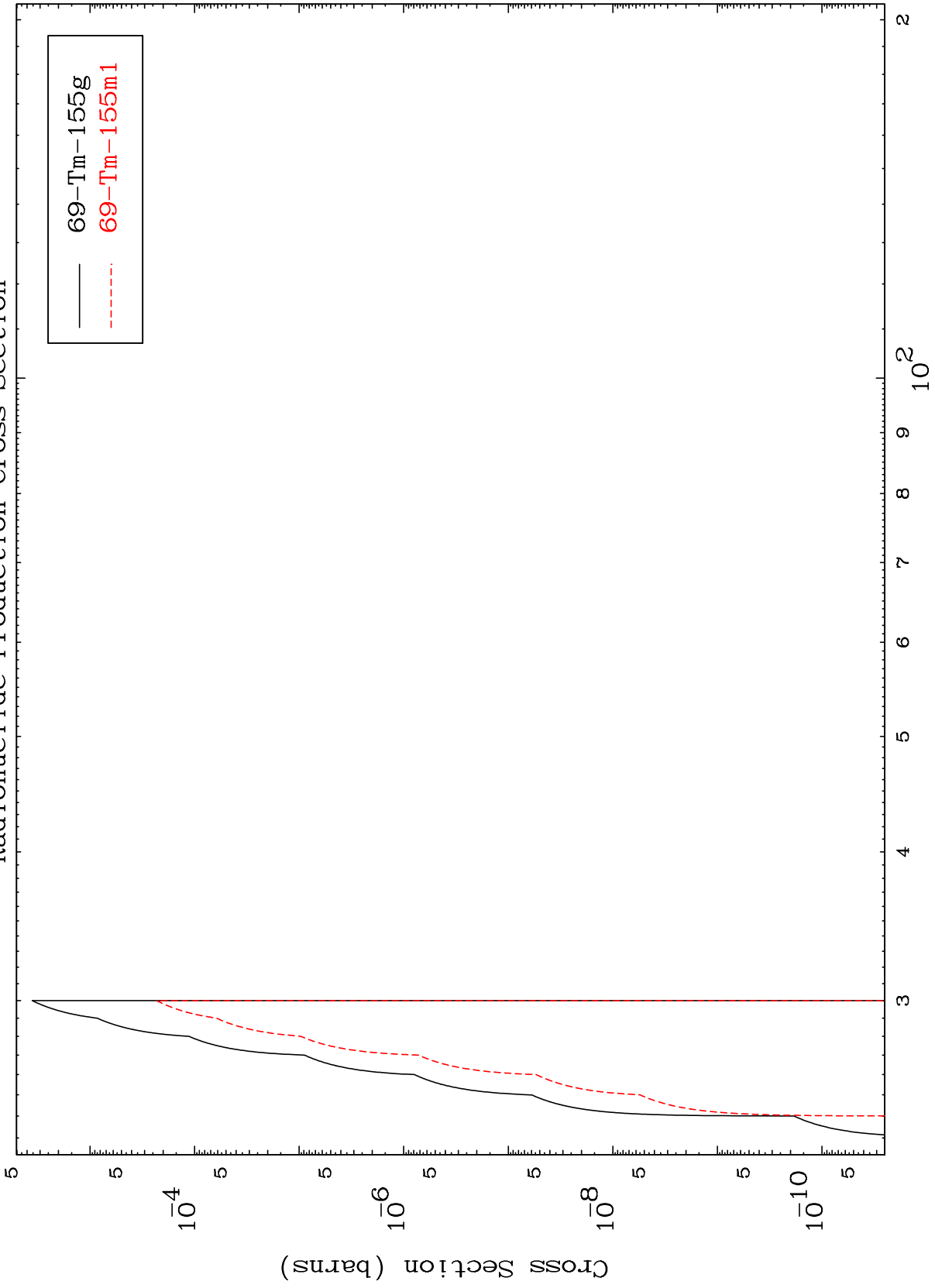
70-Yb-158

MAT 6995

(n,3n) p

70-Yb-158

Radionuclide Production Cross Section



30

Incident Energy (MeV)

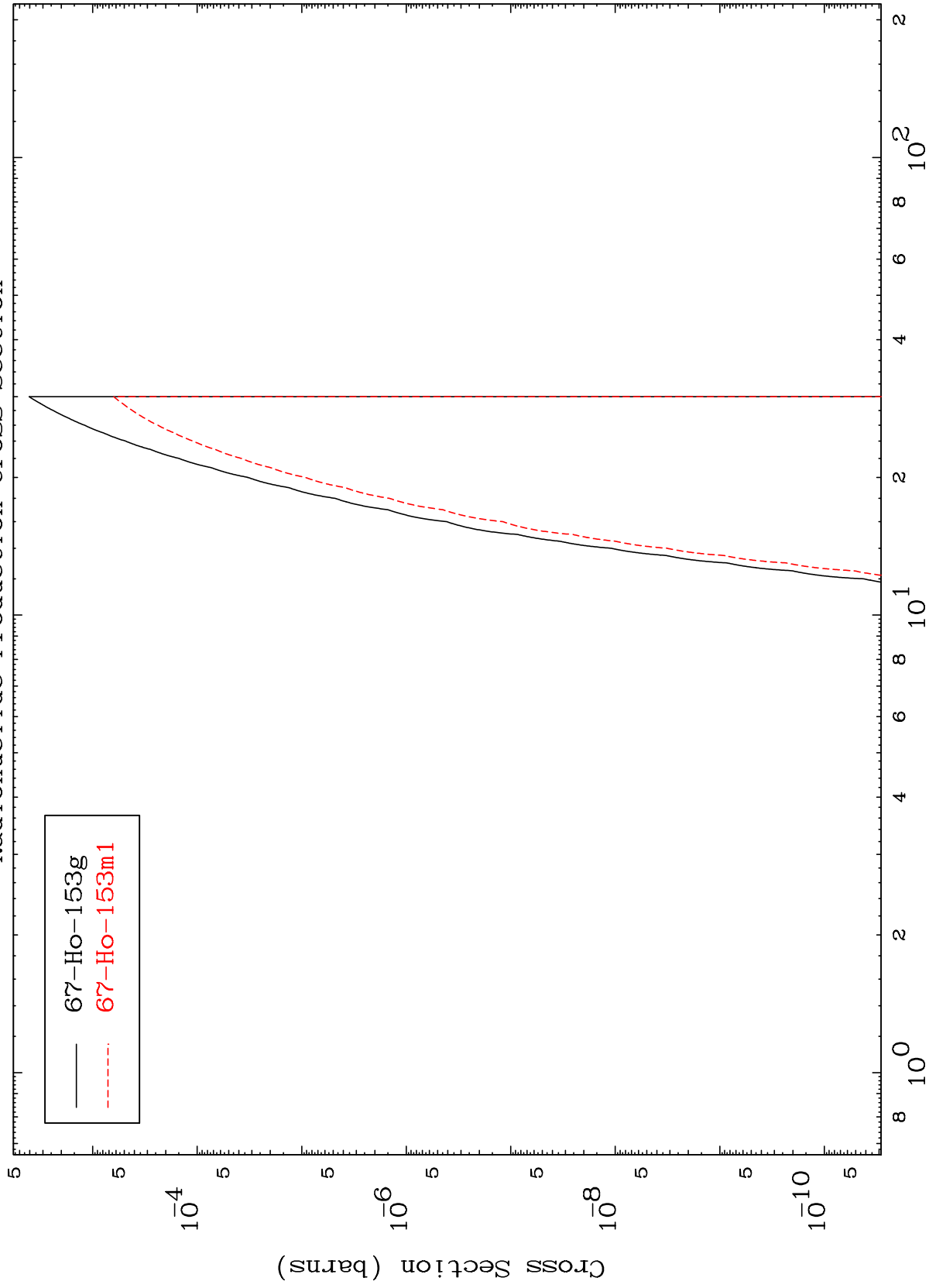
70-Yb-158

MAT 6995

(n,n') p  $\alpha$

70-Yb-158

Radionuclide Production Cross Section



31

Incident Energy (MeV)

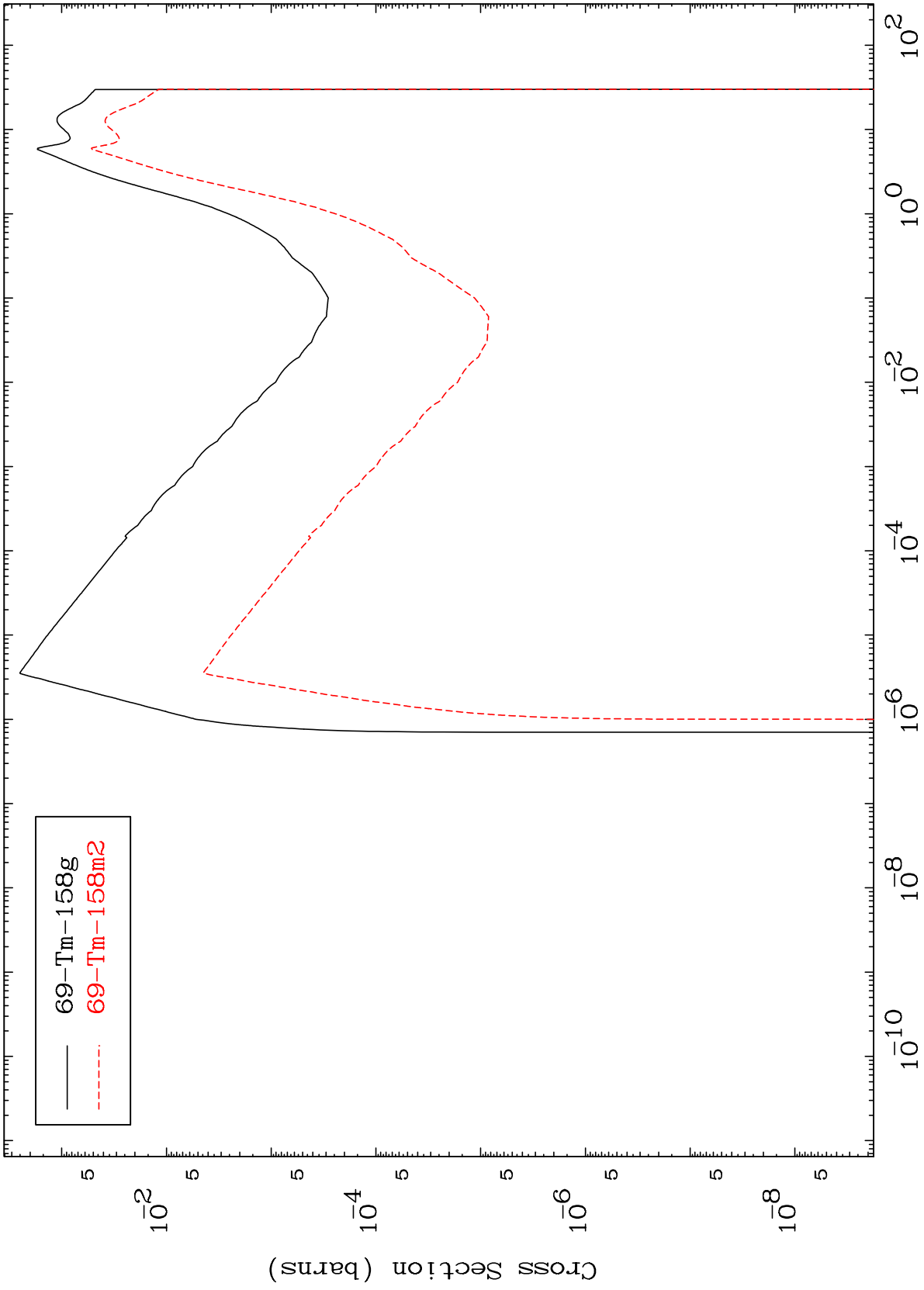
70-Yb-158



MAT 6995

(n,p)  
Radionuclide Production Cross Section

70-Yb-158

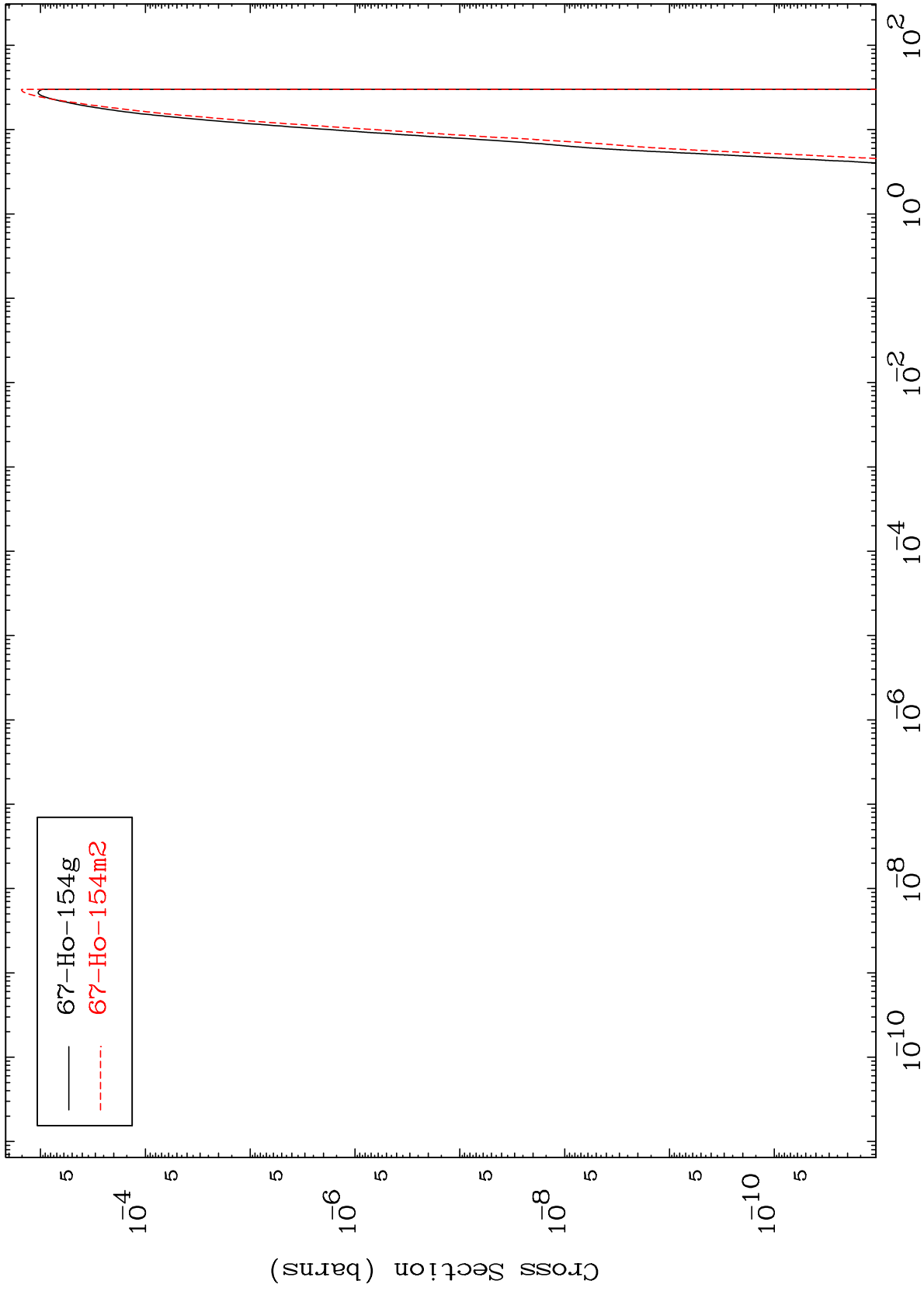


MAT 6995

(n,p)  $\alpha$

70-Yb-158

Radionuclide Production Cross Section



33

Incident Energy (MeV)

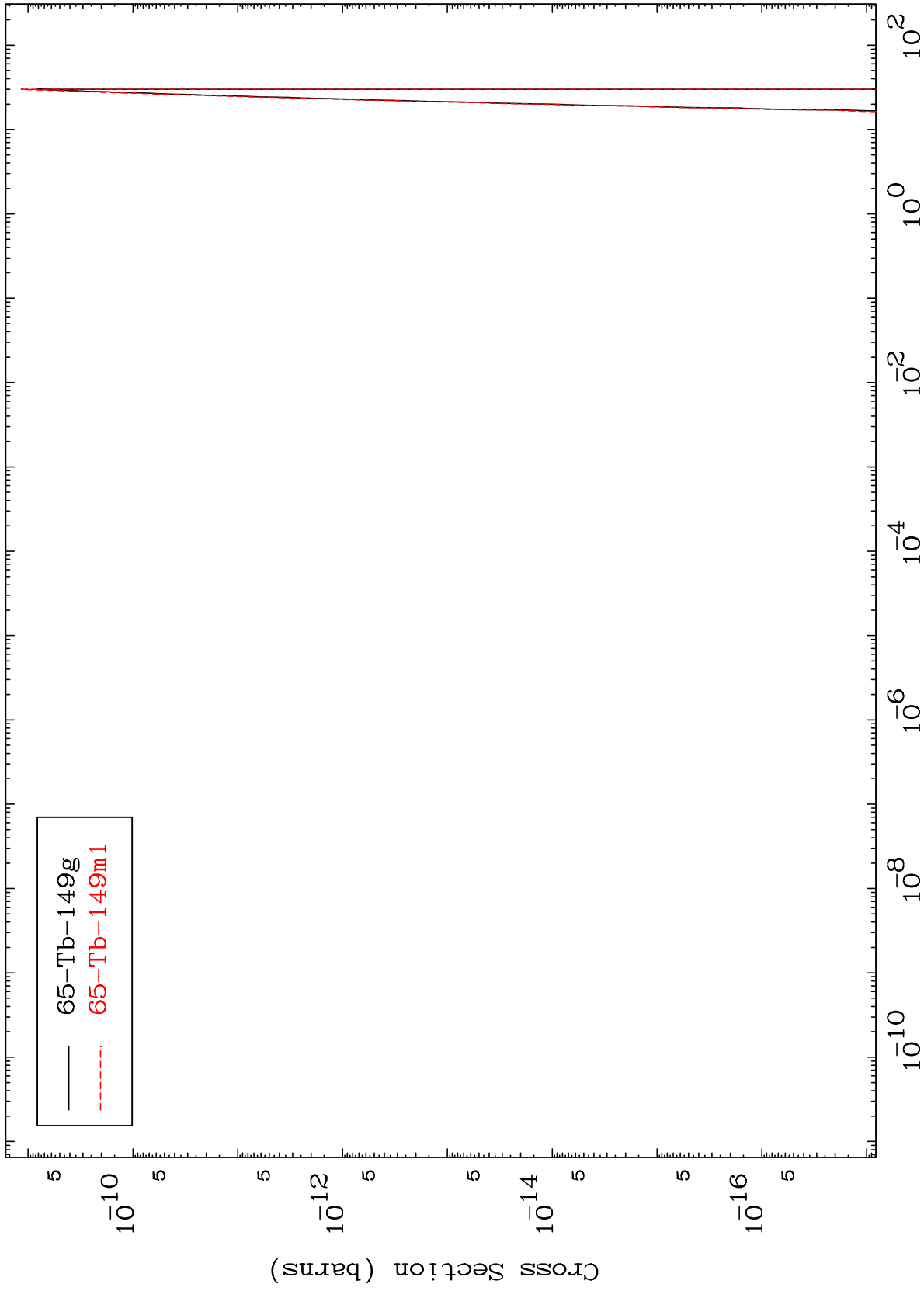
70-Yb-158

MAT 6995

(n,d)  $2\alpha$

$^{70}\text{Yb-158}$

Radionuclide Production Cross Section



34

Incident Energy (MeV)

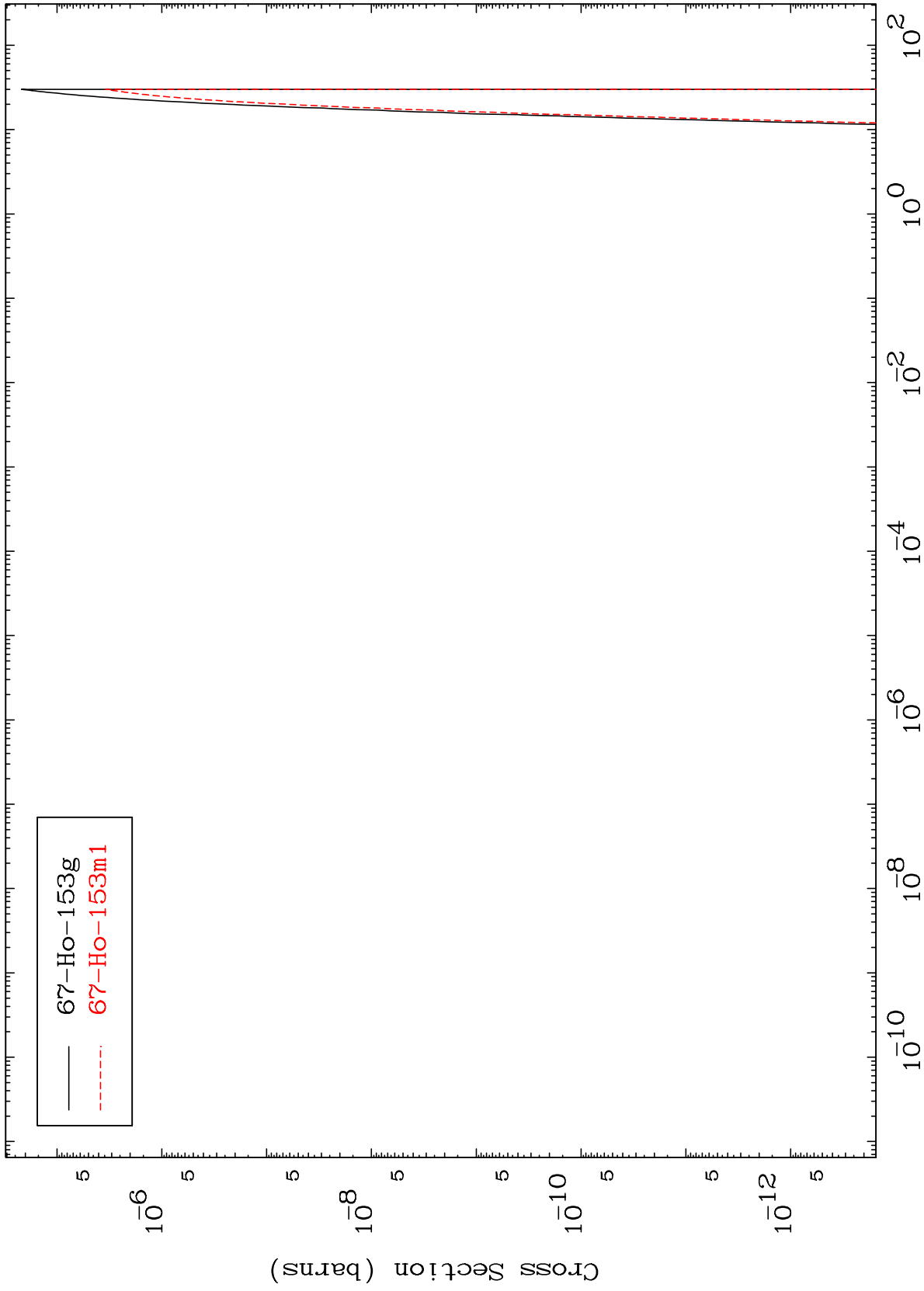
$^{70}\text{Yb-158}$

MAT 6995

(n,d)  $\alpha$

70-Yb-158

Radionuclide Production Cross Section



35

Incident Energy (MeV)

70-Yb-158