

Program EVALPLOT
(Version 2021-1)

by

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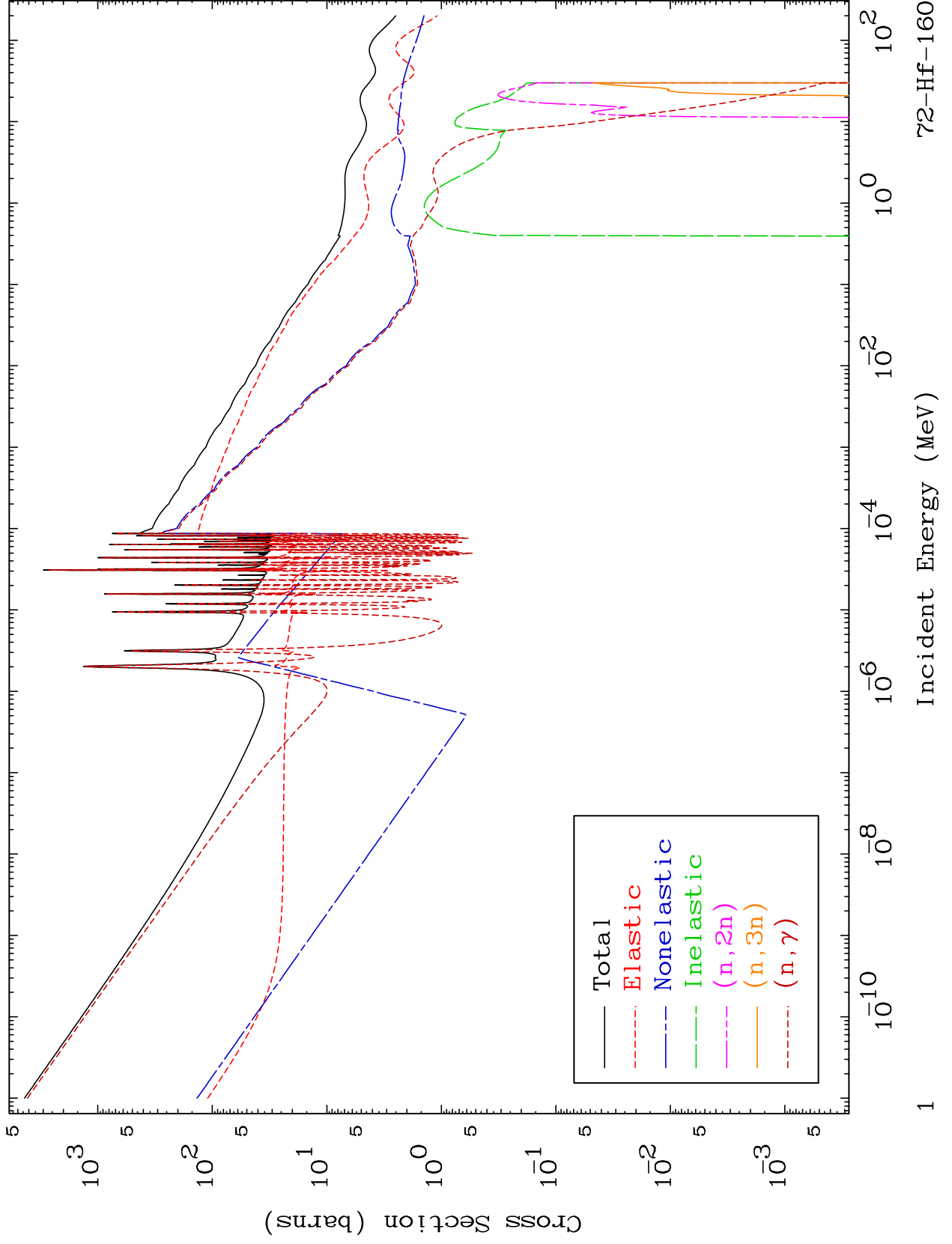
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7183

Neutron Major
293 Kelvin Cross Sections

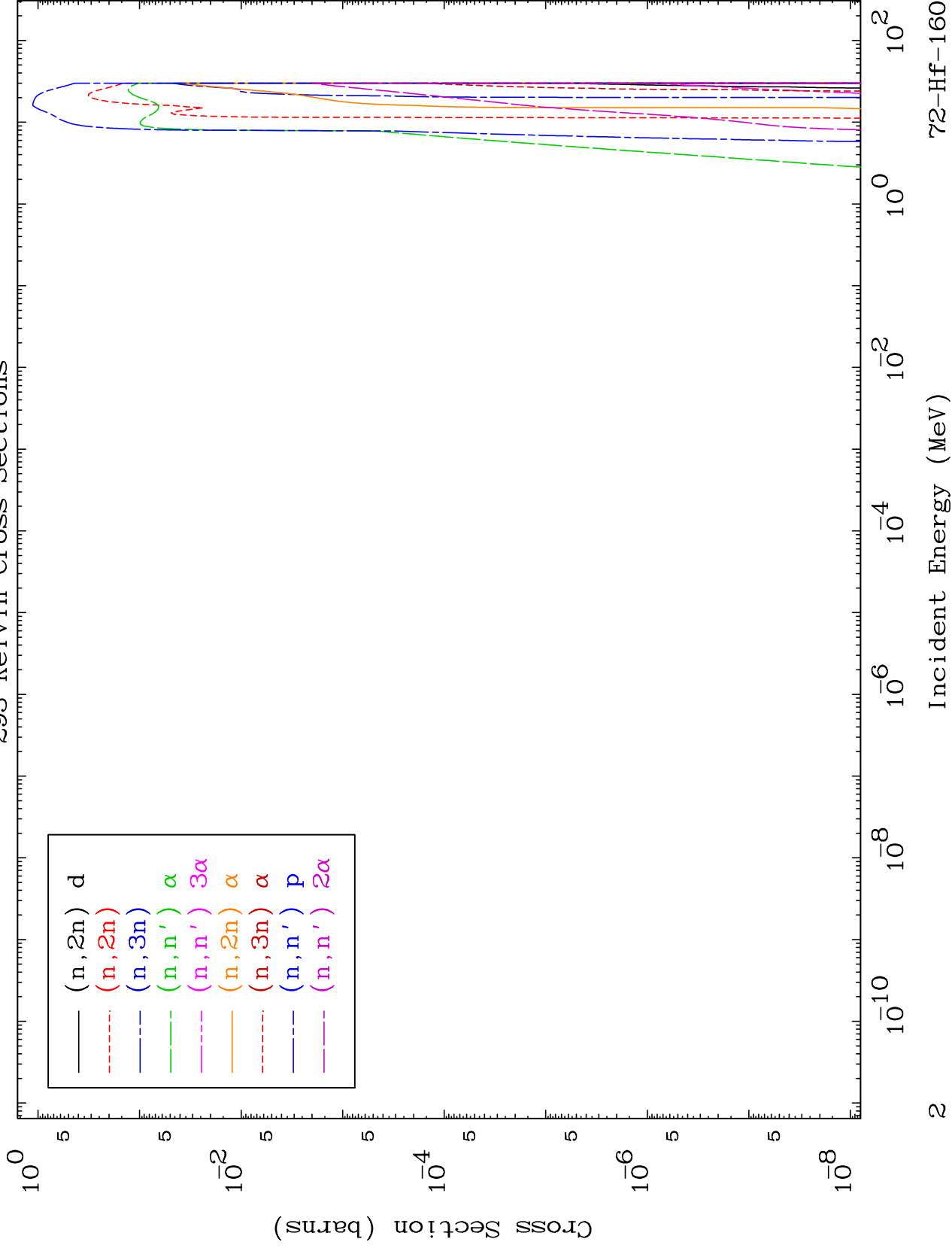
72-Hf-160



MAT 7183

Neutron Absorption
293 Kelvin Cross Sections

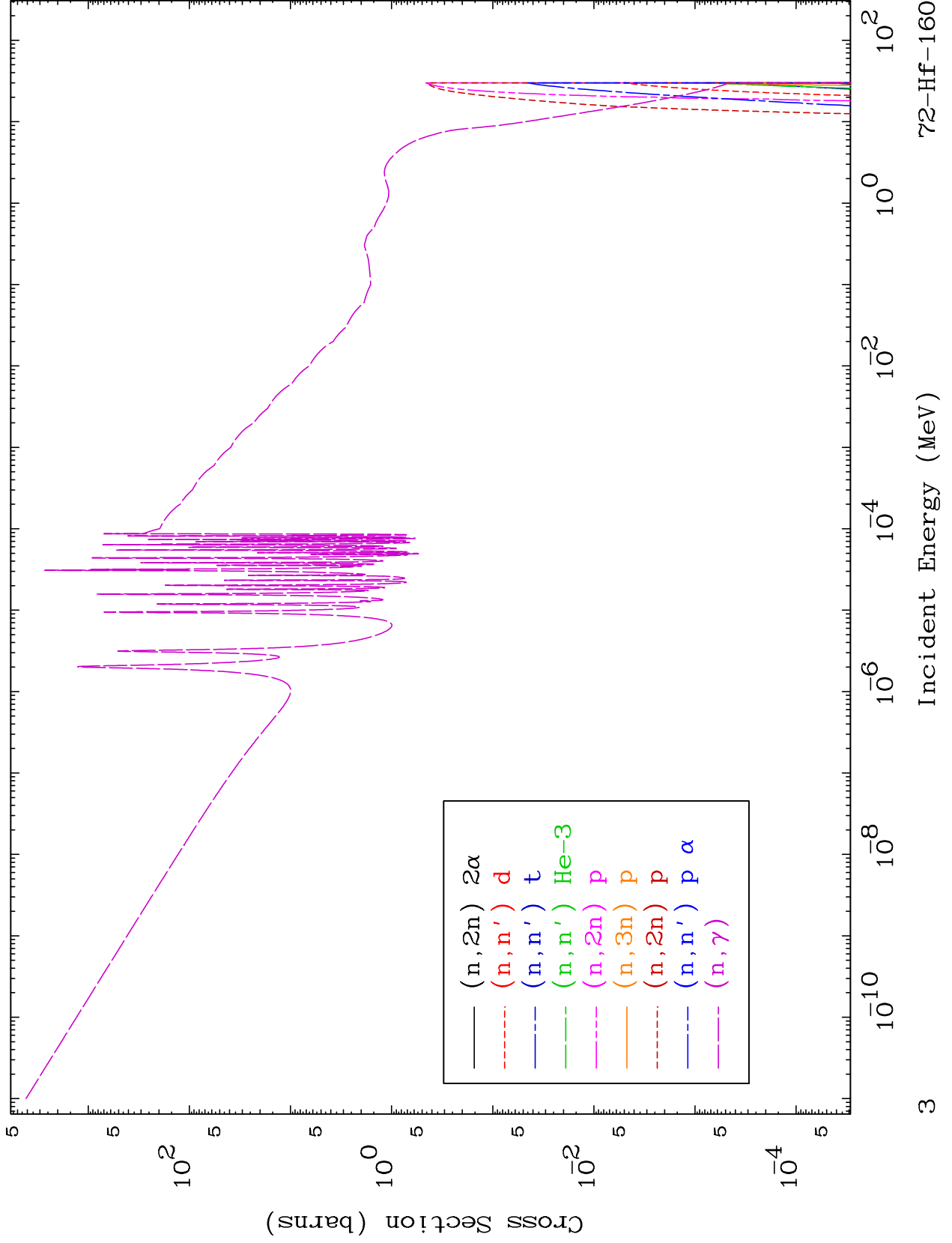
72-Hf-160



MAT 7183

Neutron Absorption
293 Kelvin Cross Sections

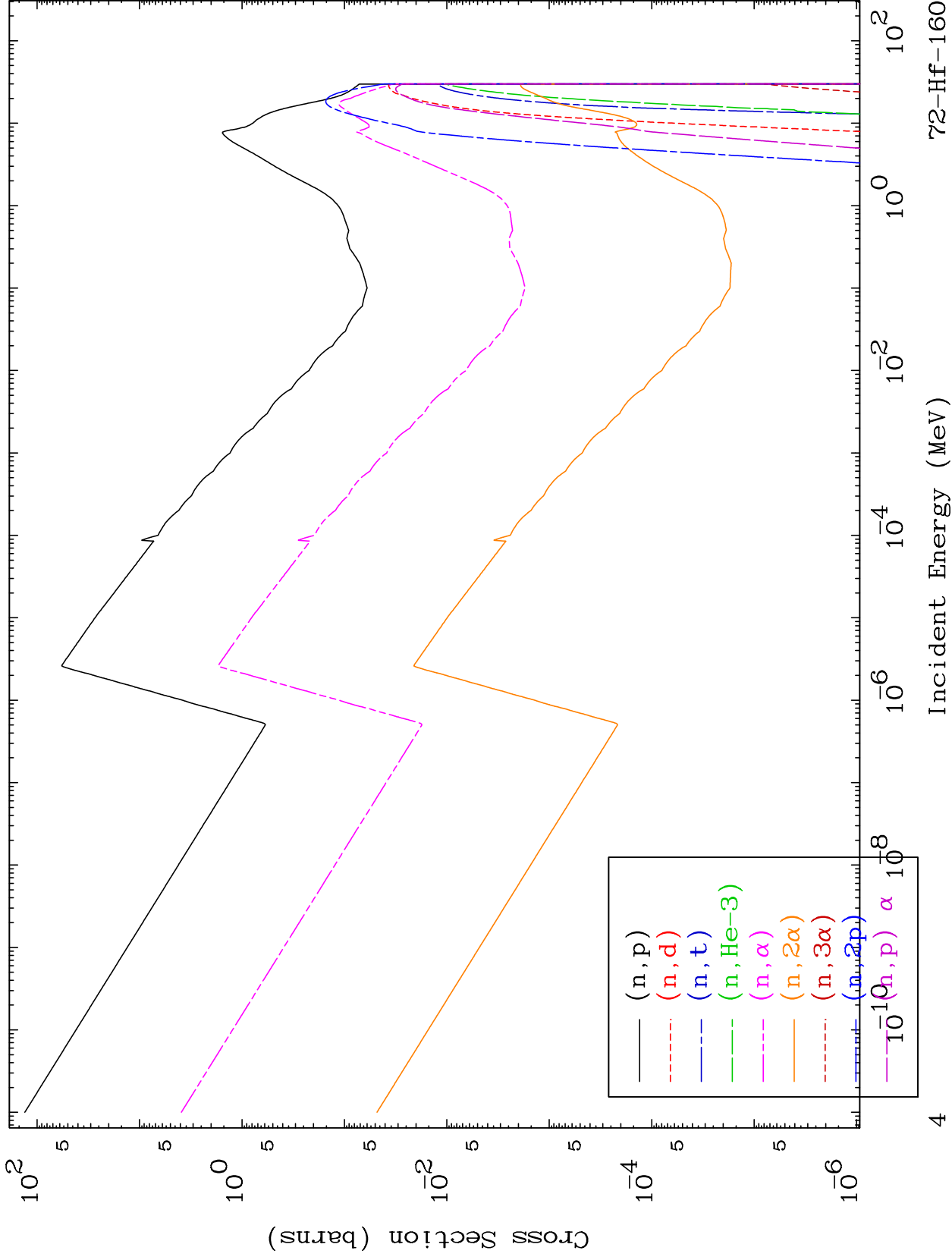
72-Hf-160

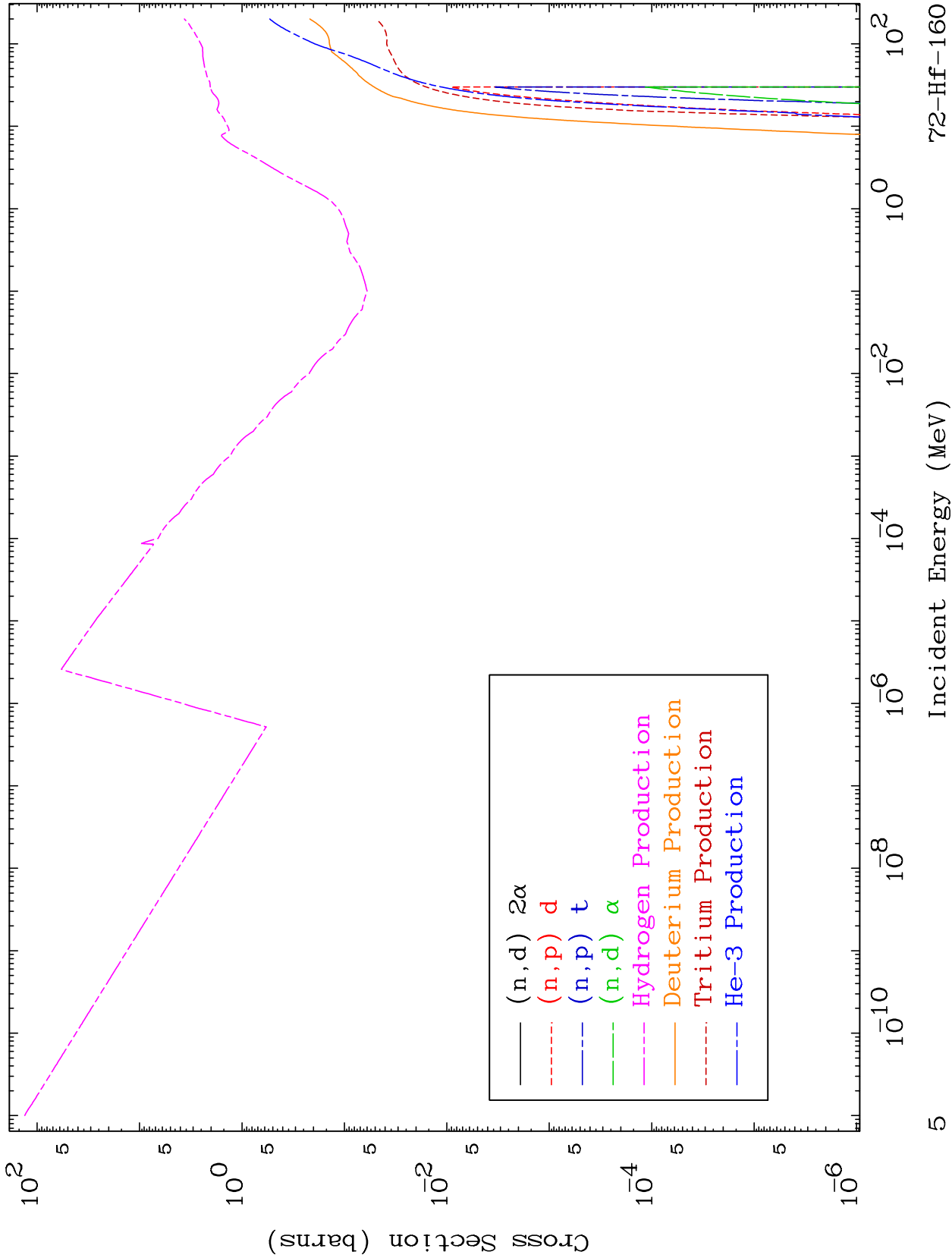


MAT 7183

Neutron Absorption
293 Kelvin Cross Sections

72-Hf-160

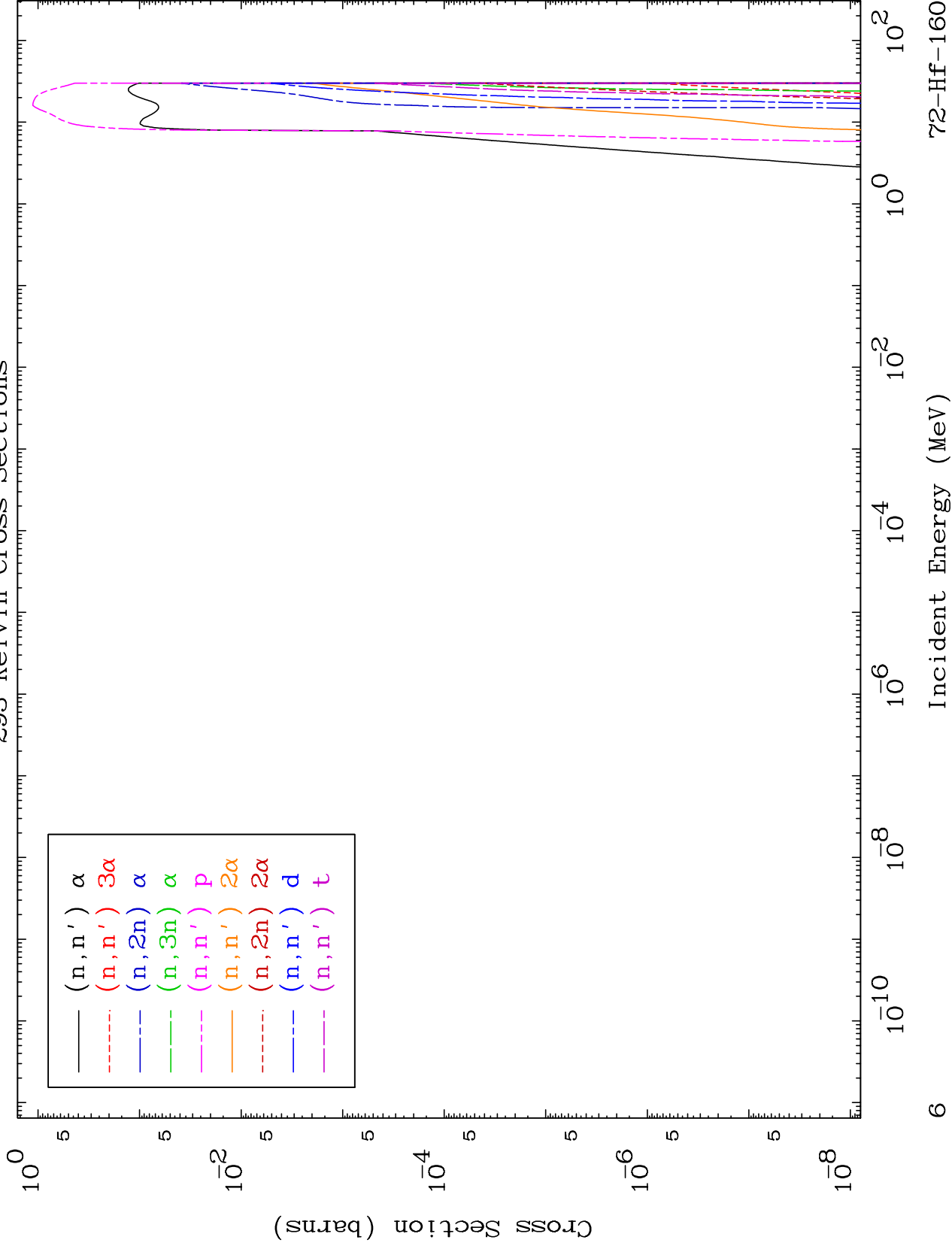




MAT 7183

Charged Particle
293 Kelvin Cross Sections

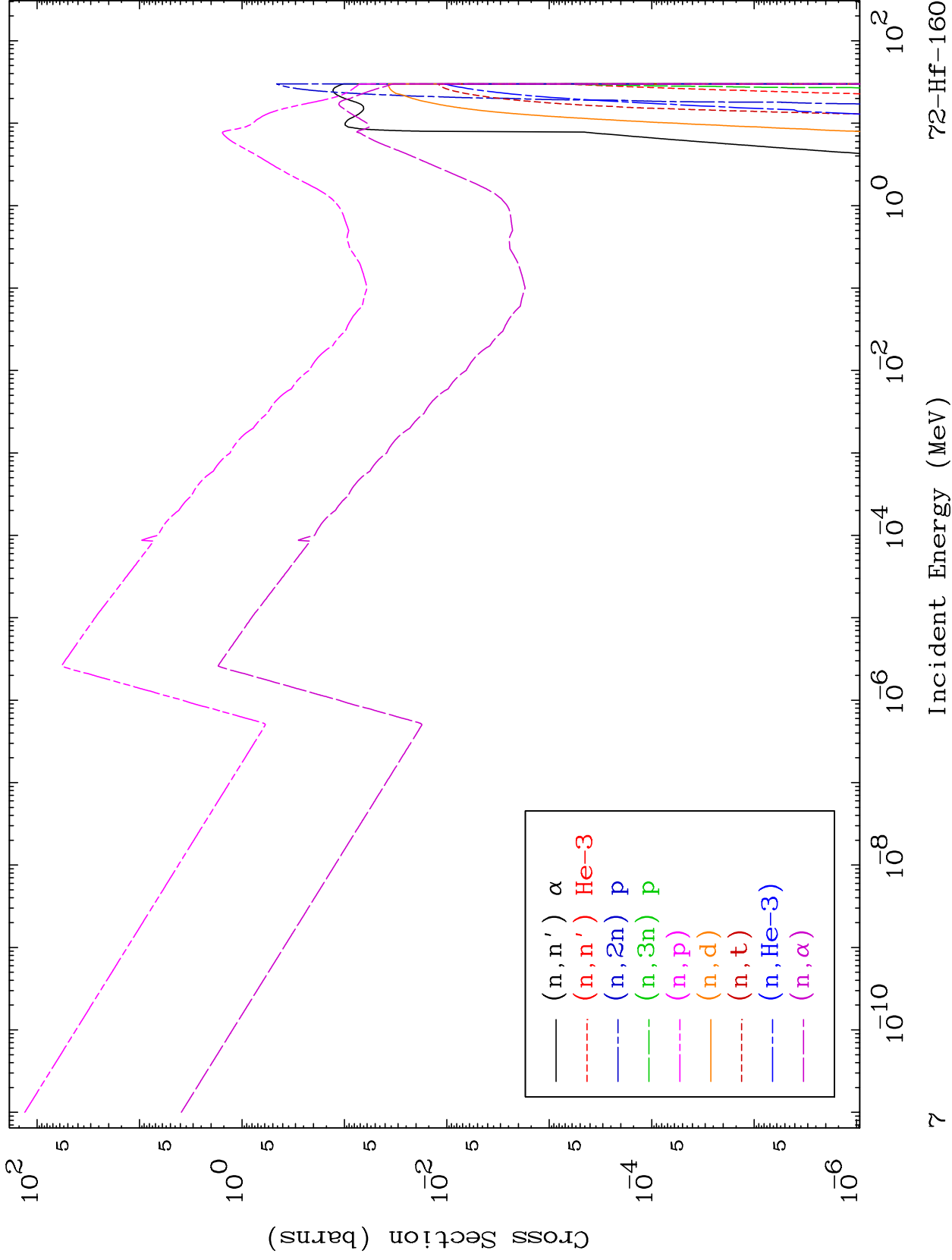
72-Hf-160



MAT 7183

Charged Particle
293 Kelvin Cross Sections

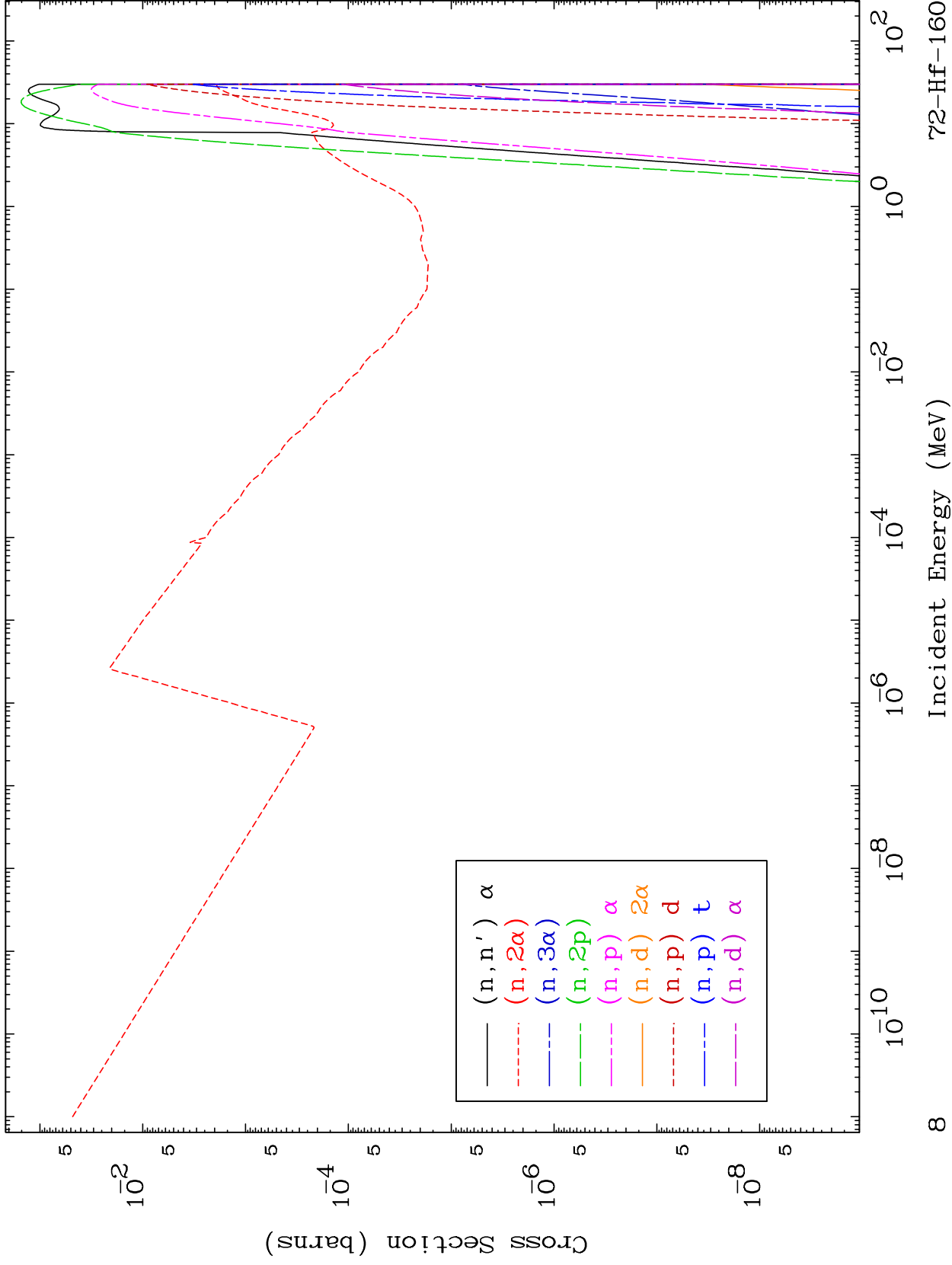
72-Hf-160

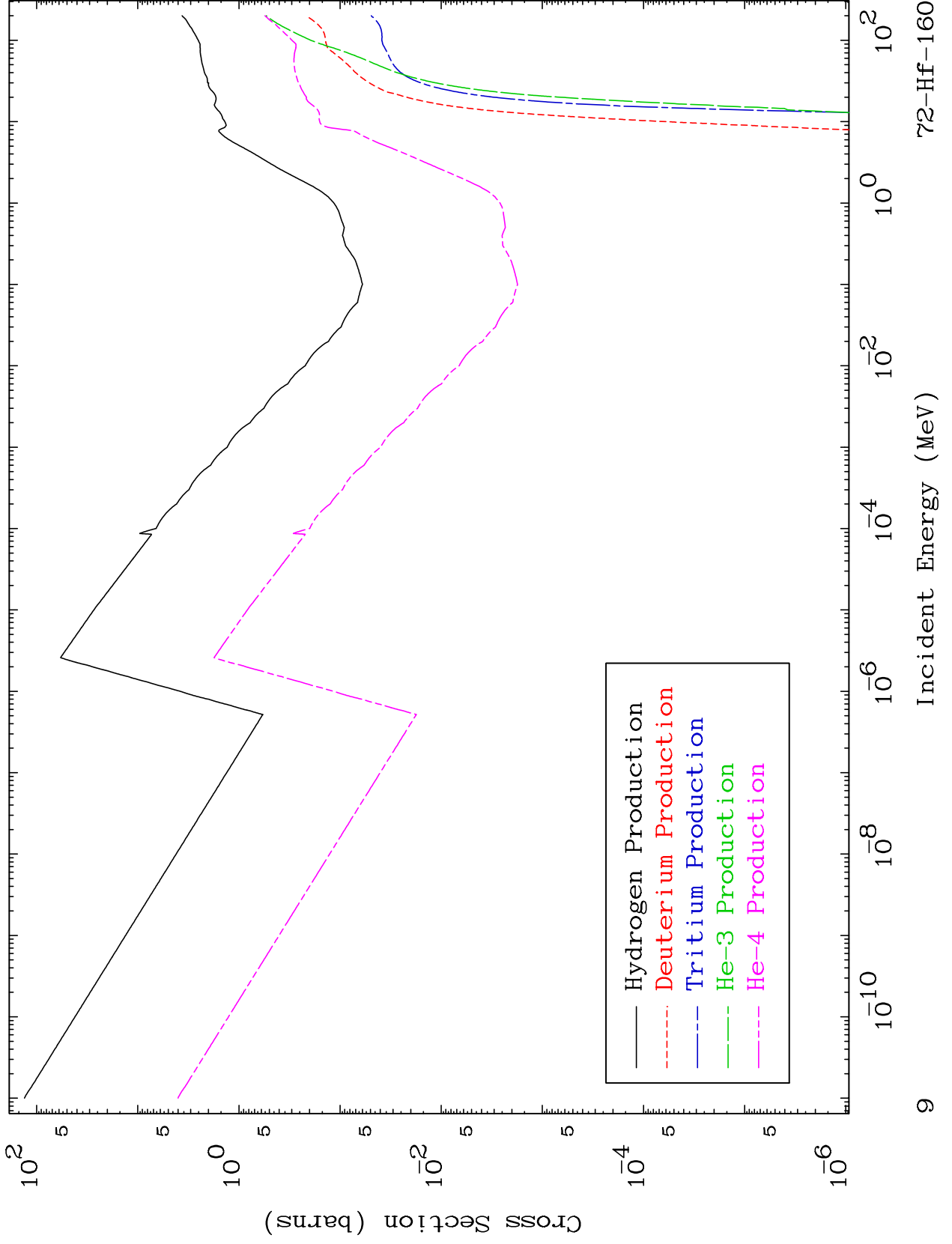


MAT 7183

Charged Particle
293 Kelvin Cross Sections

72-Hf-160

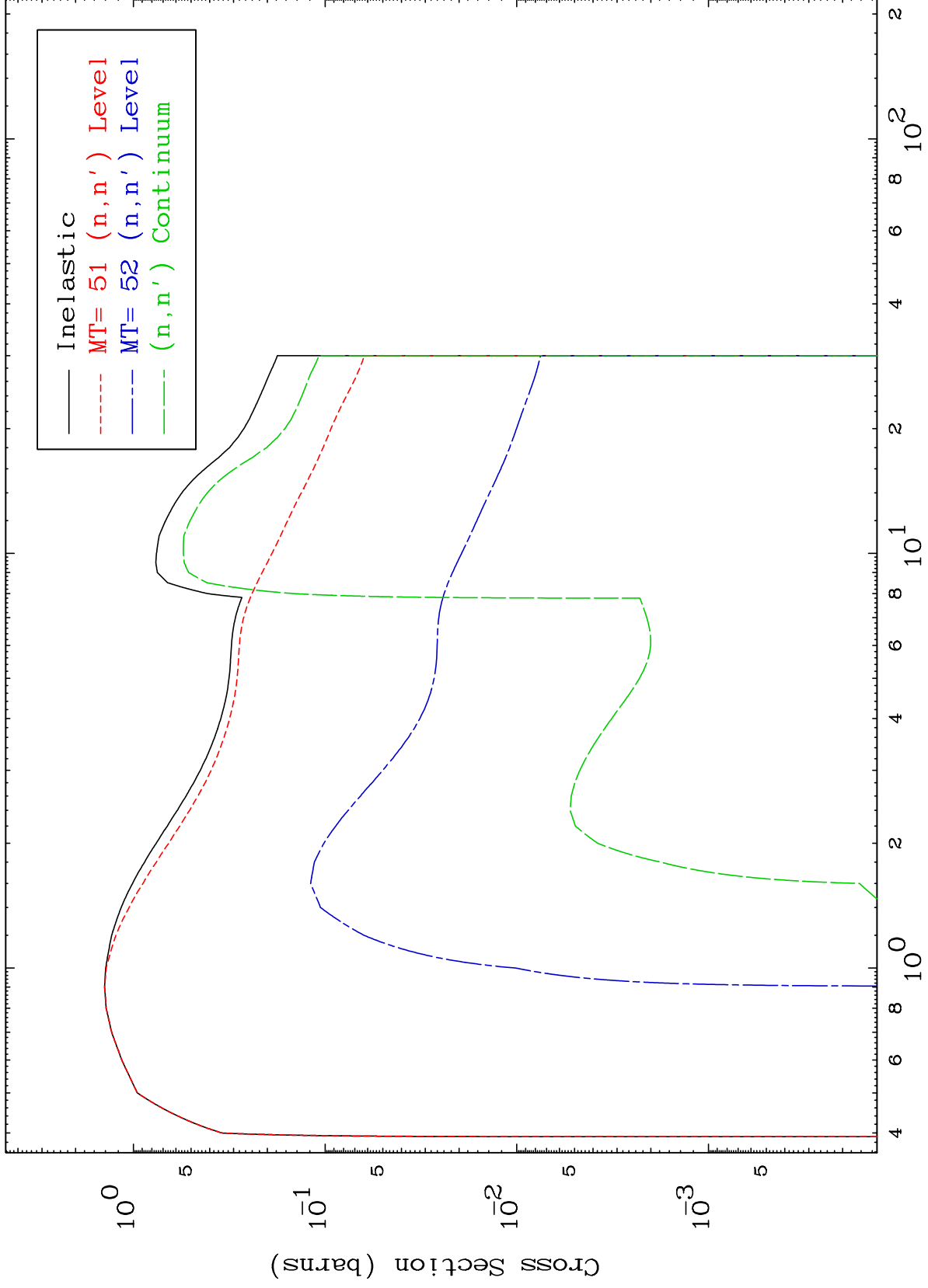




MAT 7183

(n,n') Levels
293 Kelvin Cross Sections

72-Hf-160



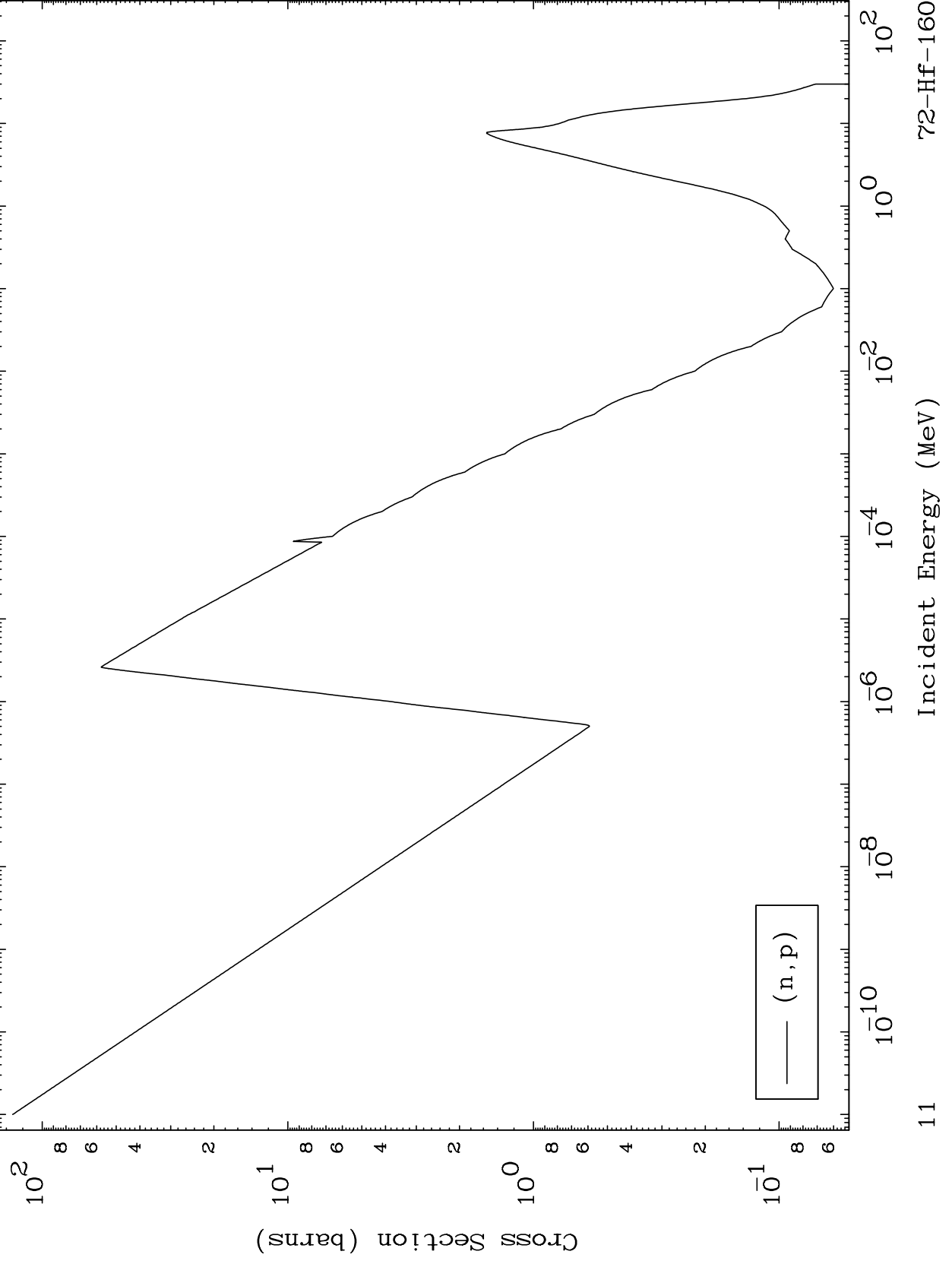
Incident Energy (MeV)

72-Hf-160

MAT 7183

(n,p) Levels
293 Kelvin Cross Sections

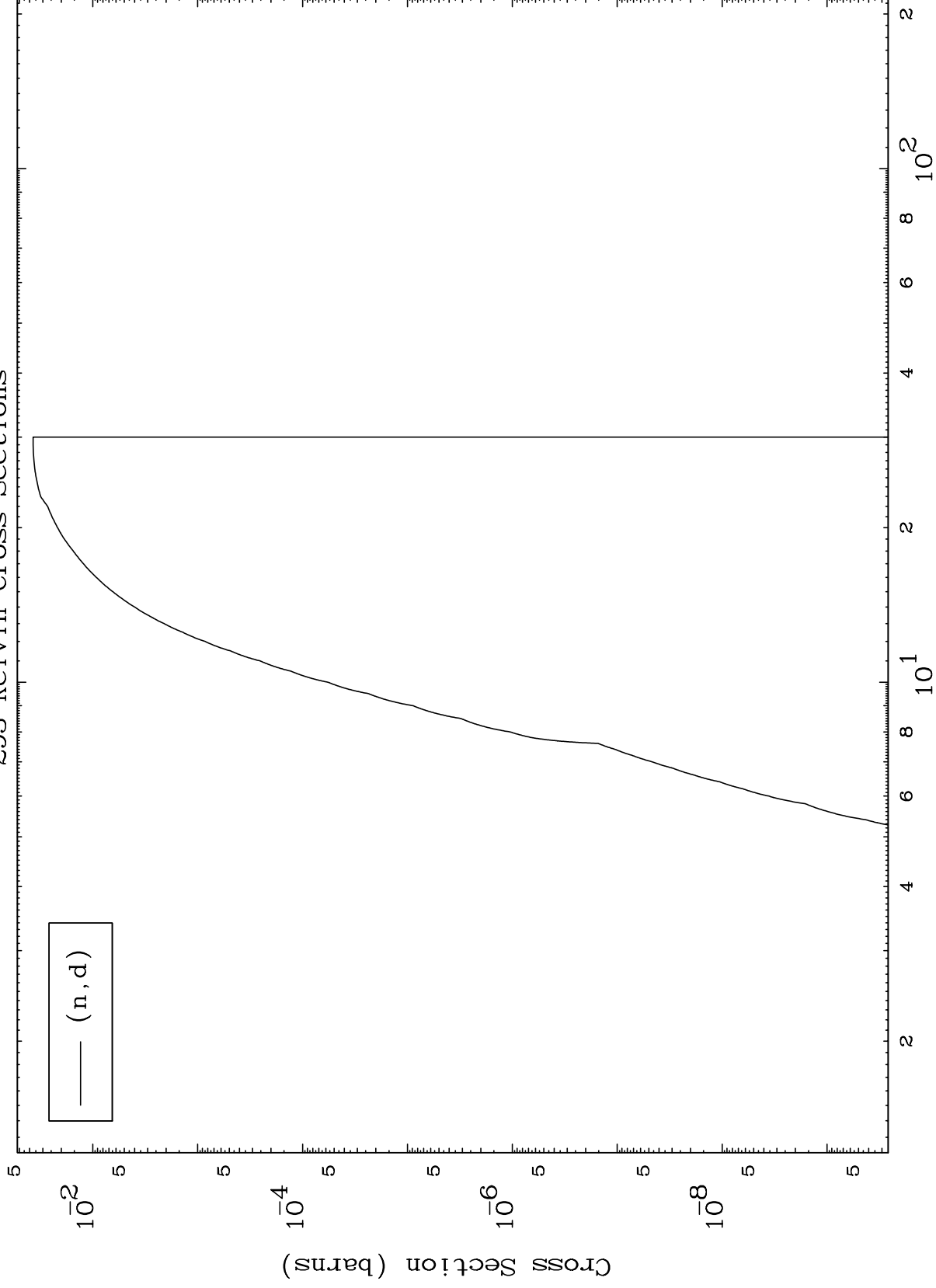
72-Hf-160



MAT 7183

(n,d) Levels
293 Kelvin Cross Sections

72-Hf-160



12

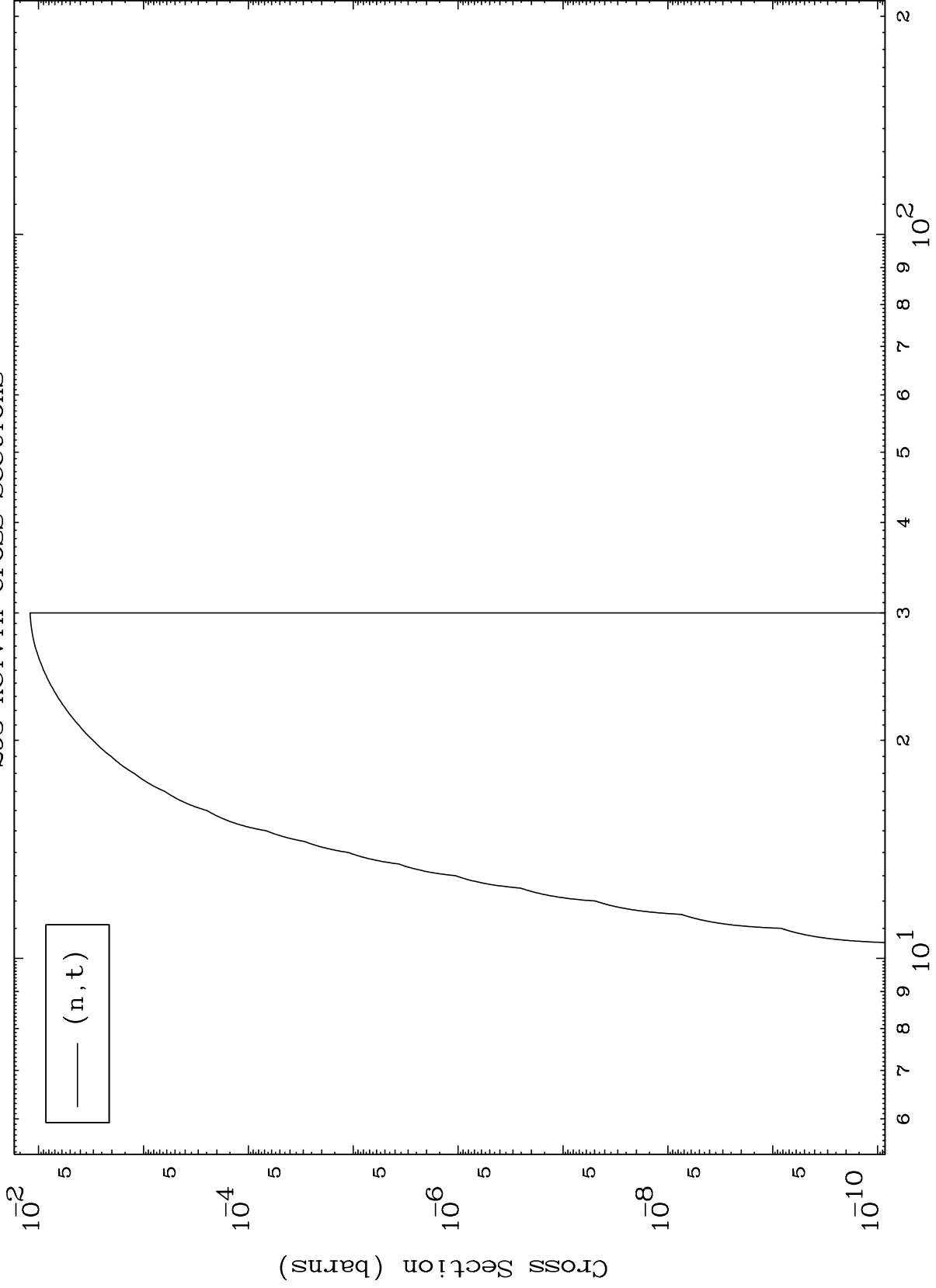
Incident Energy (MeV)

72-Hf-160

MAT 7183

(n,t) Levels
293 Kelvin Cross Sections

72-Hf-160



13

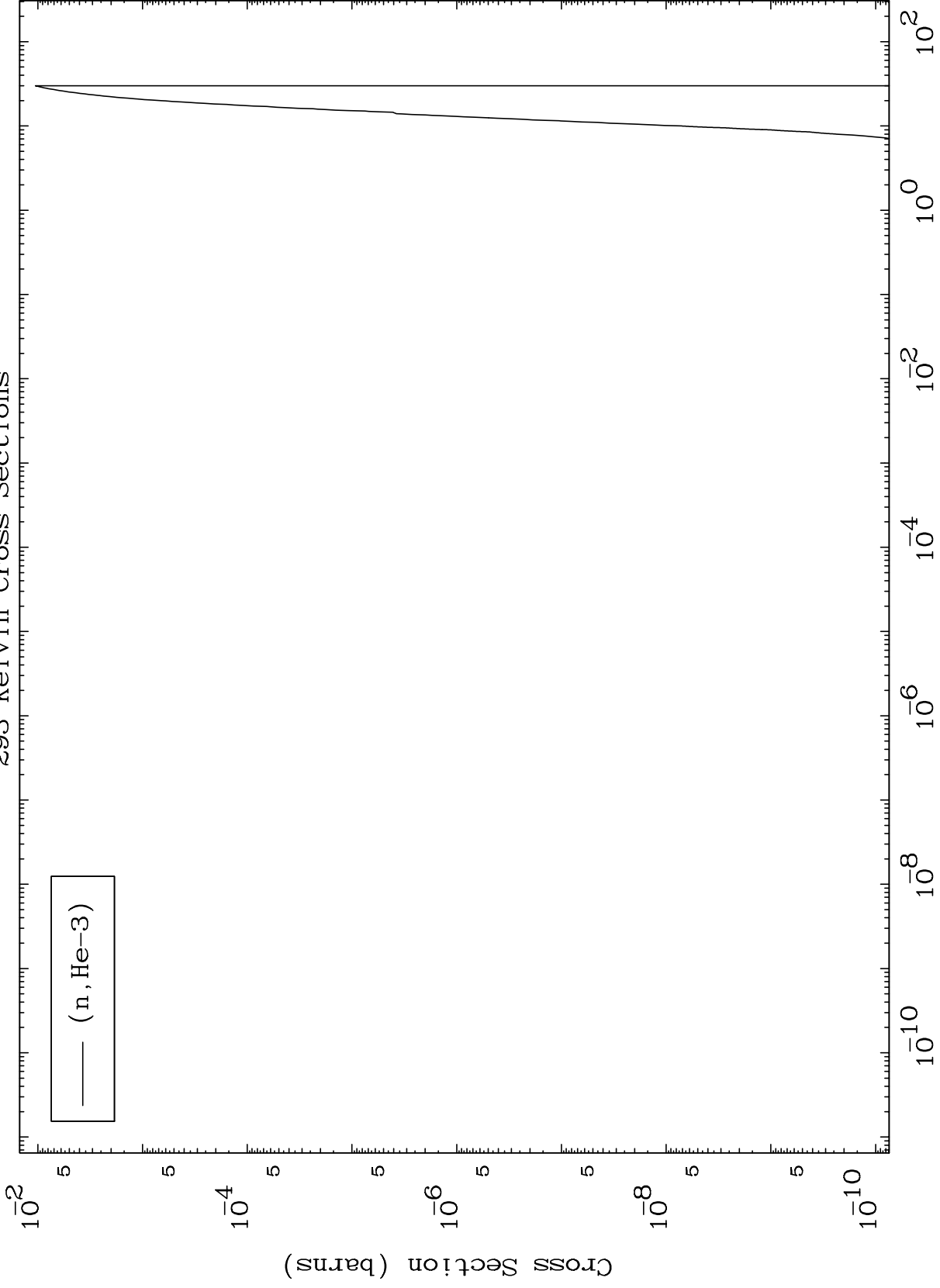
Incident Energy (MeV)

72-Hf-160

MAT 7183

(n,He3) Levels
293 Kelvin Cross Sections

72-Hf-160



(n, He-3)

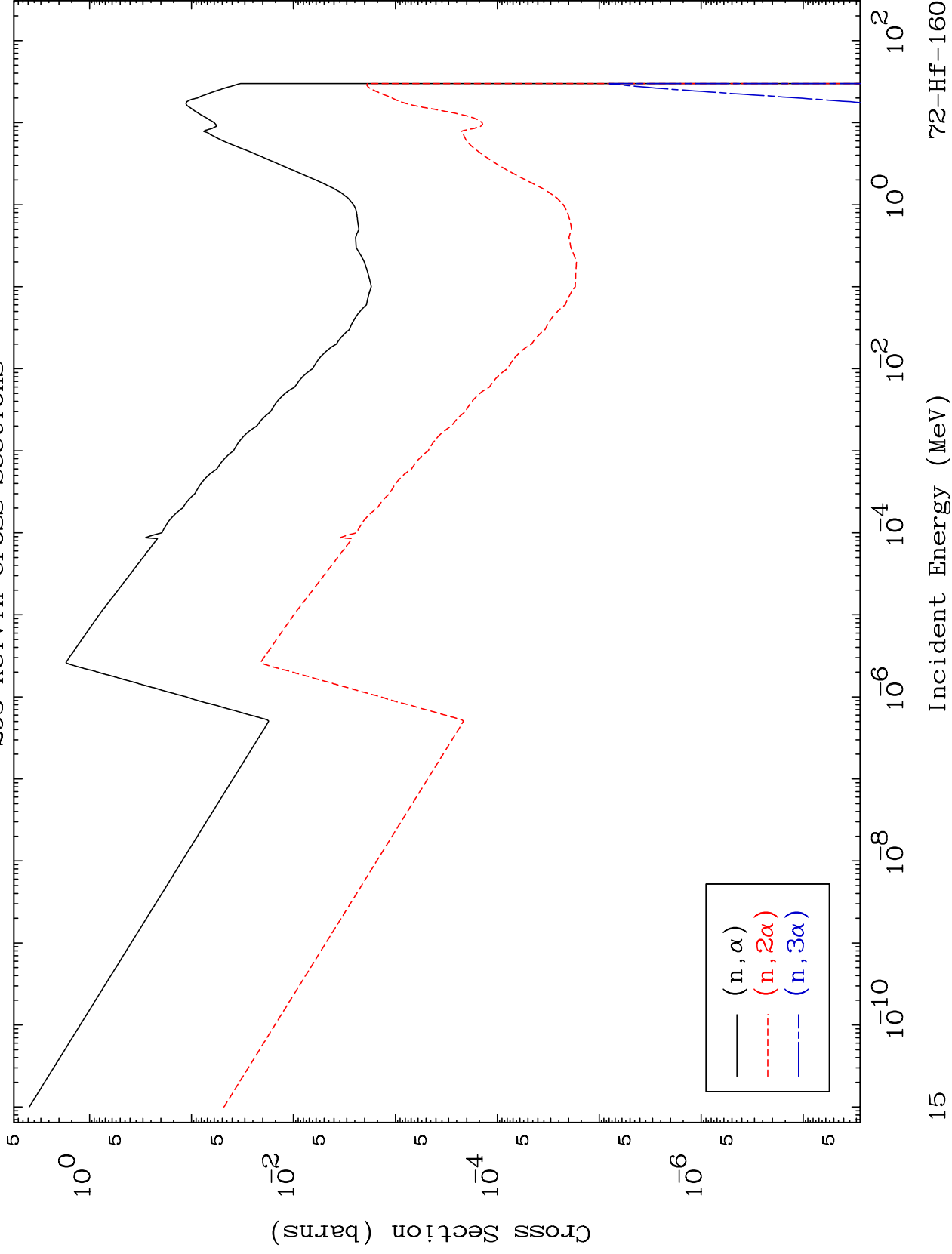
72-Hf-160

Incident Energy (MeV)

MAT 7183

(n,α) Levels
293 Kelvin Cross Sections

72-Hf-160



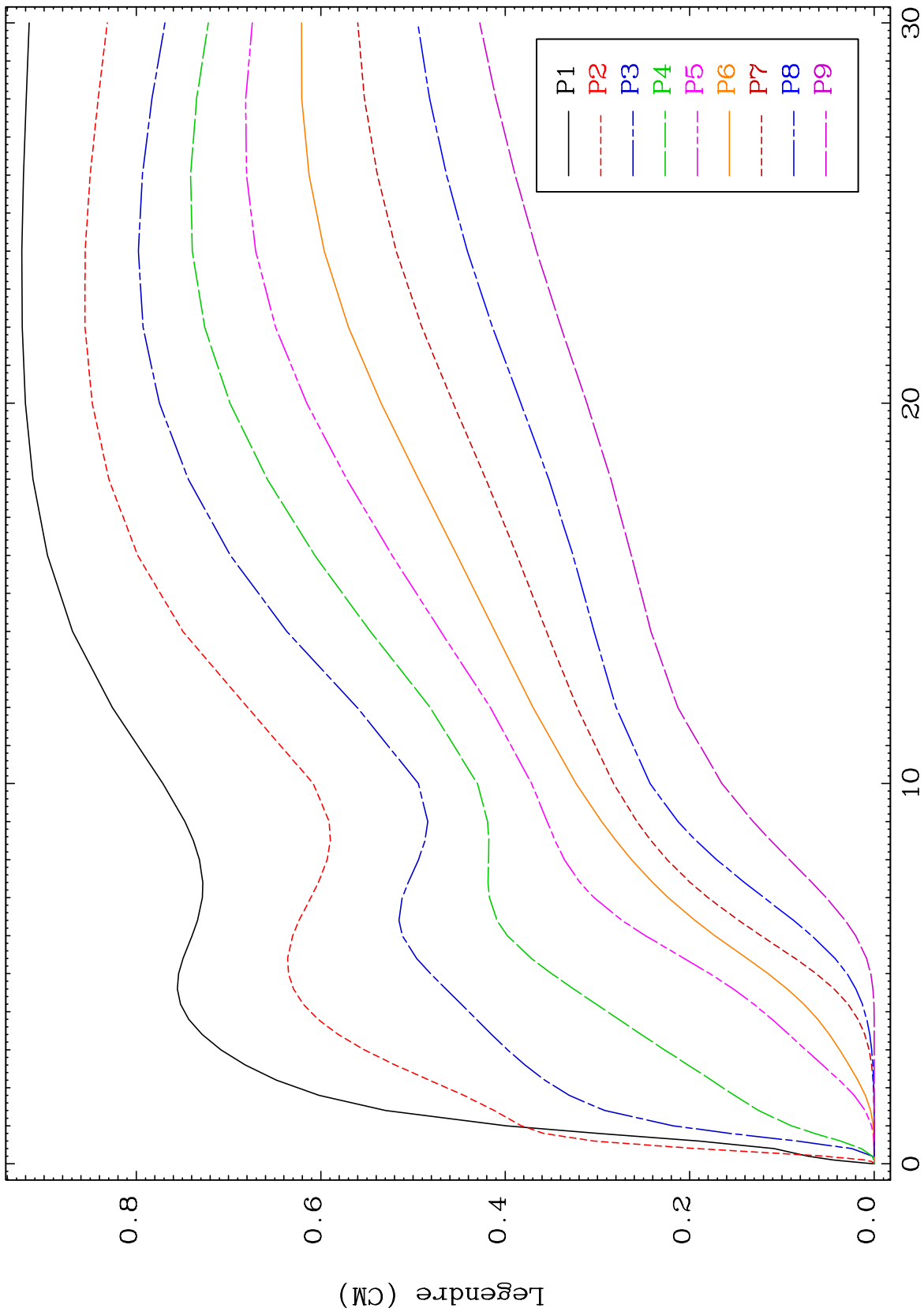
15

72-Hf-160

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72-Hf-160

Elastic Legendre Coefficients



72-Hf-160

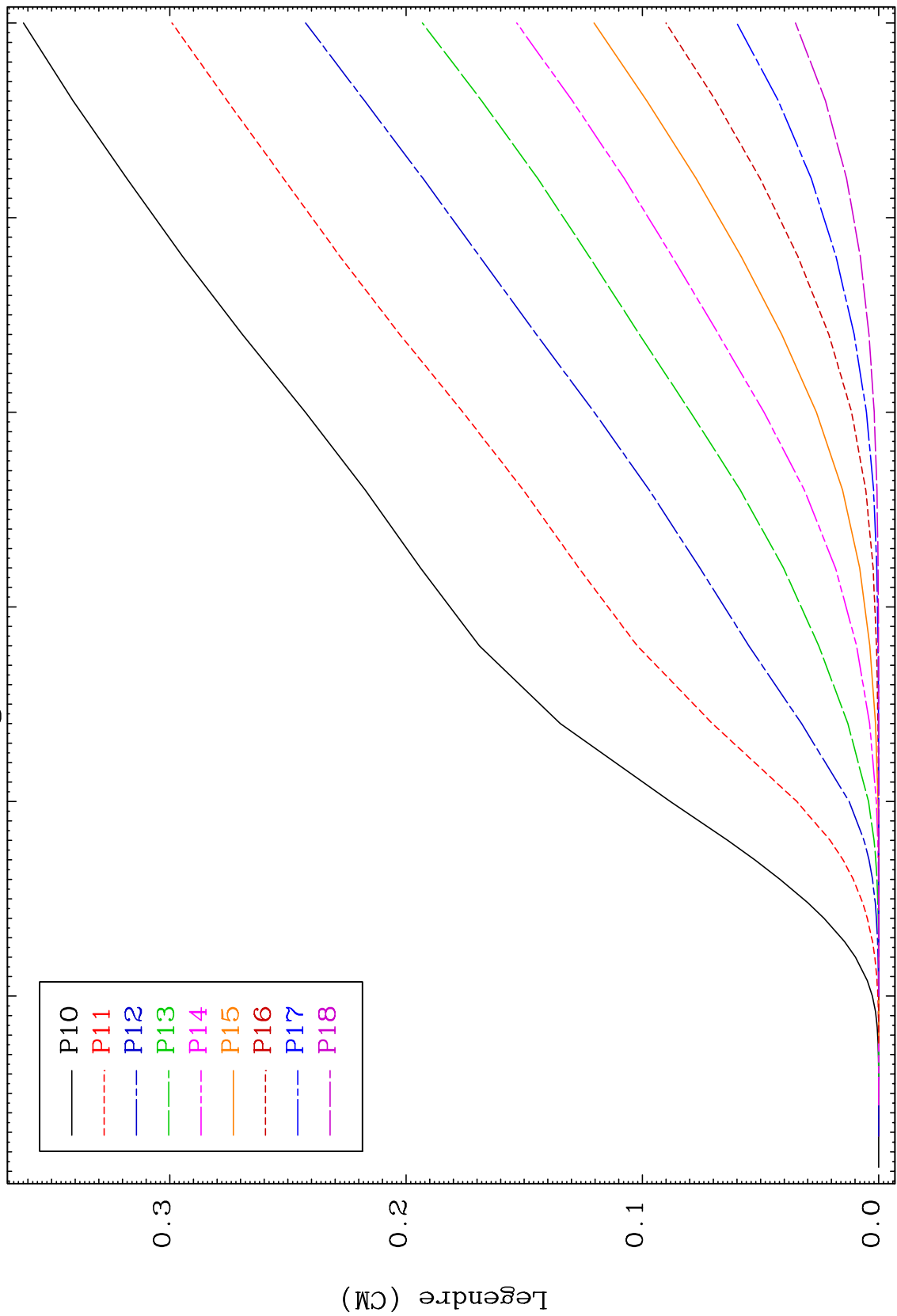
Incident Energy (MeV)

16

MAT 7183

Elastic Legendre Coefficients

72-Hf-160



17

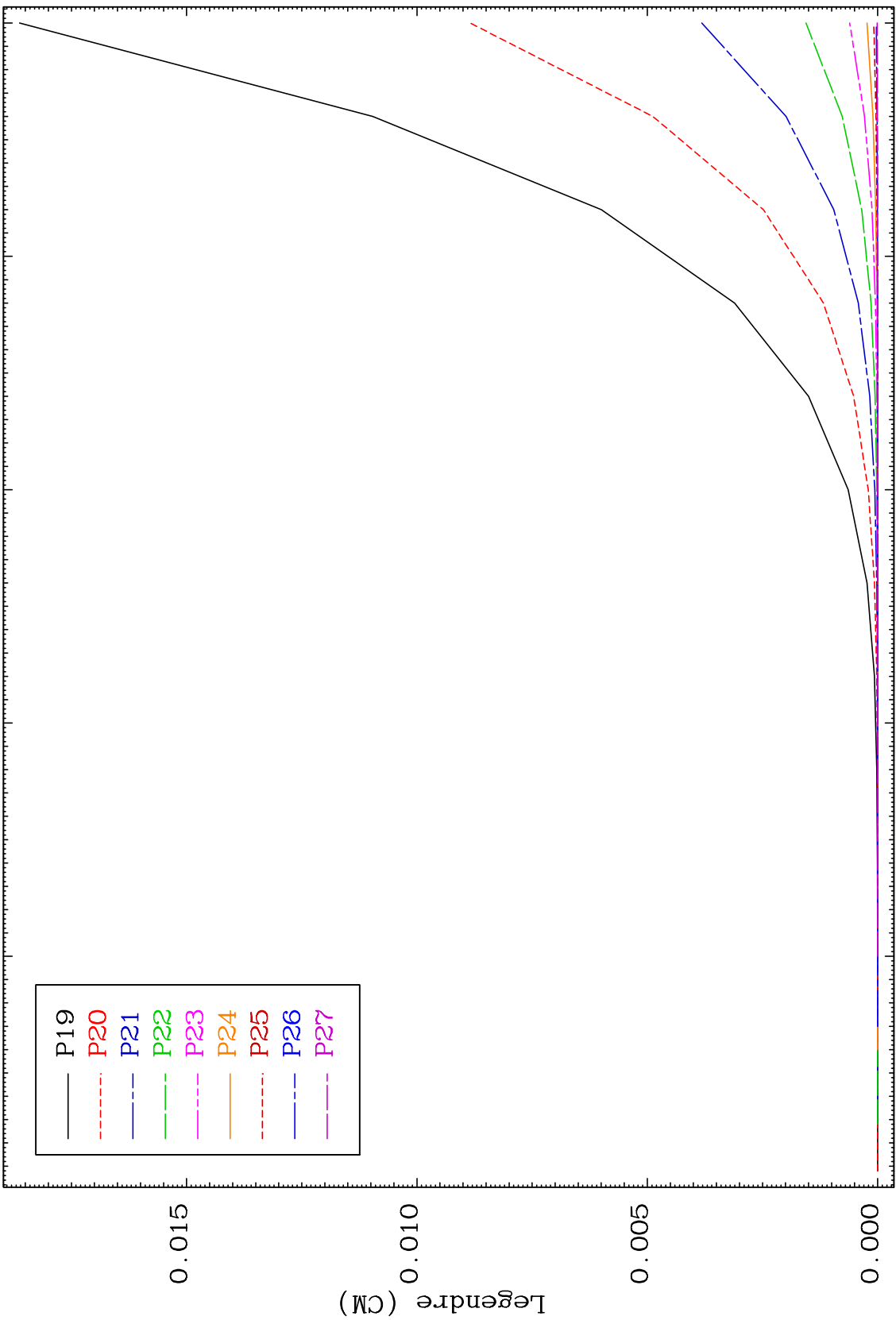
Incident Energy (MeV)

72-Hf-160

MAT 7183

Elastic Legendre Coefficients

72-Hf-160



- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

18

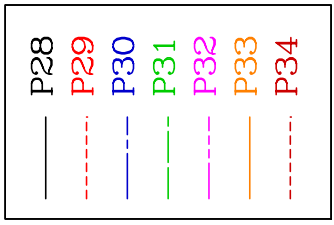
Incident Energy (MeV)

72-Hf-160

MAT 7183

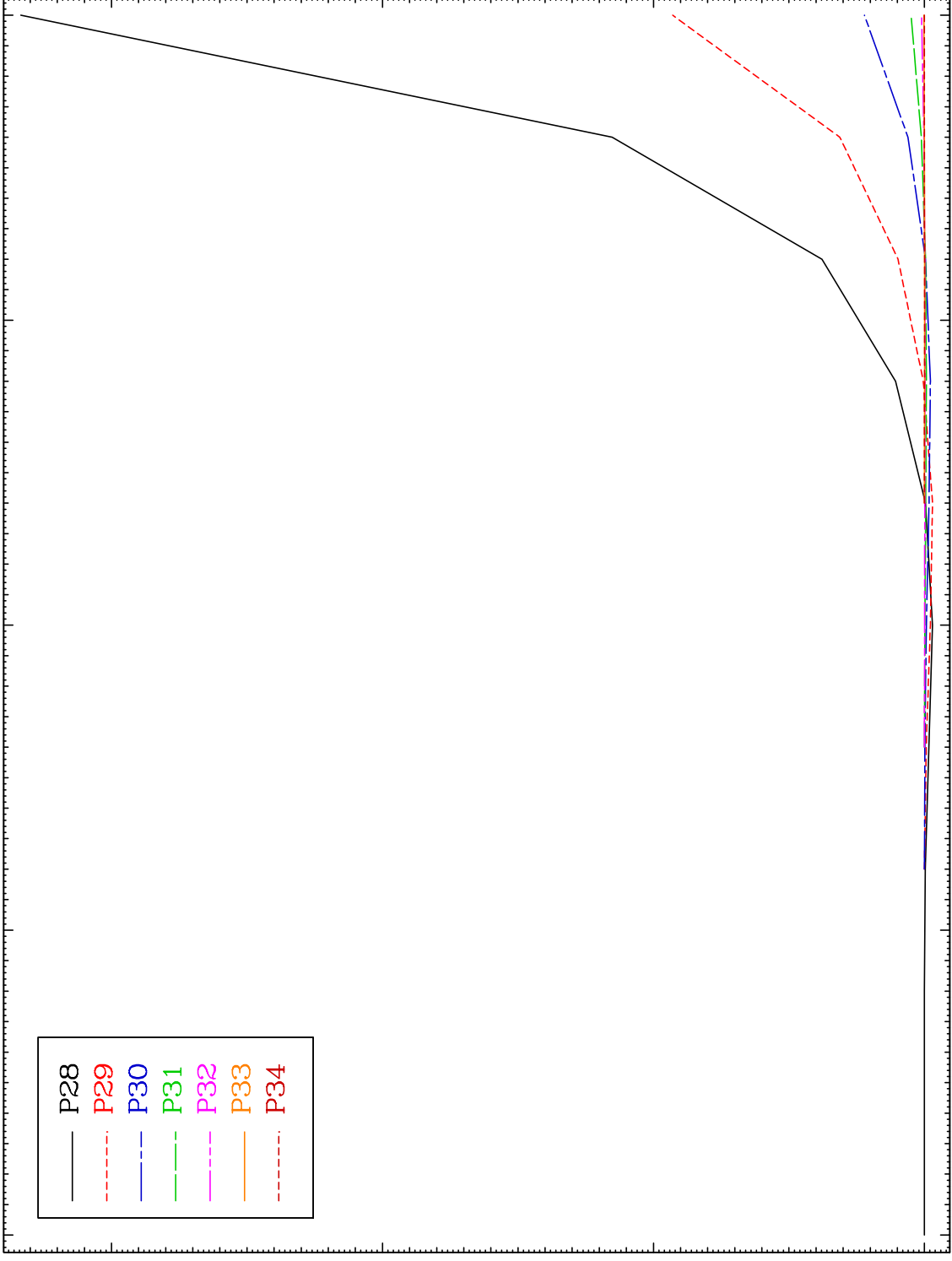
Elastic Legendre Coefficients

72-Hf-160



$\times 10^{-6}$

Legendre (CM)



30

25

20

15

10

Incident Energy (MeV)

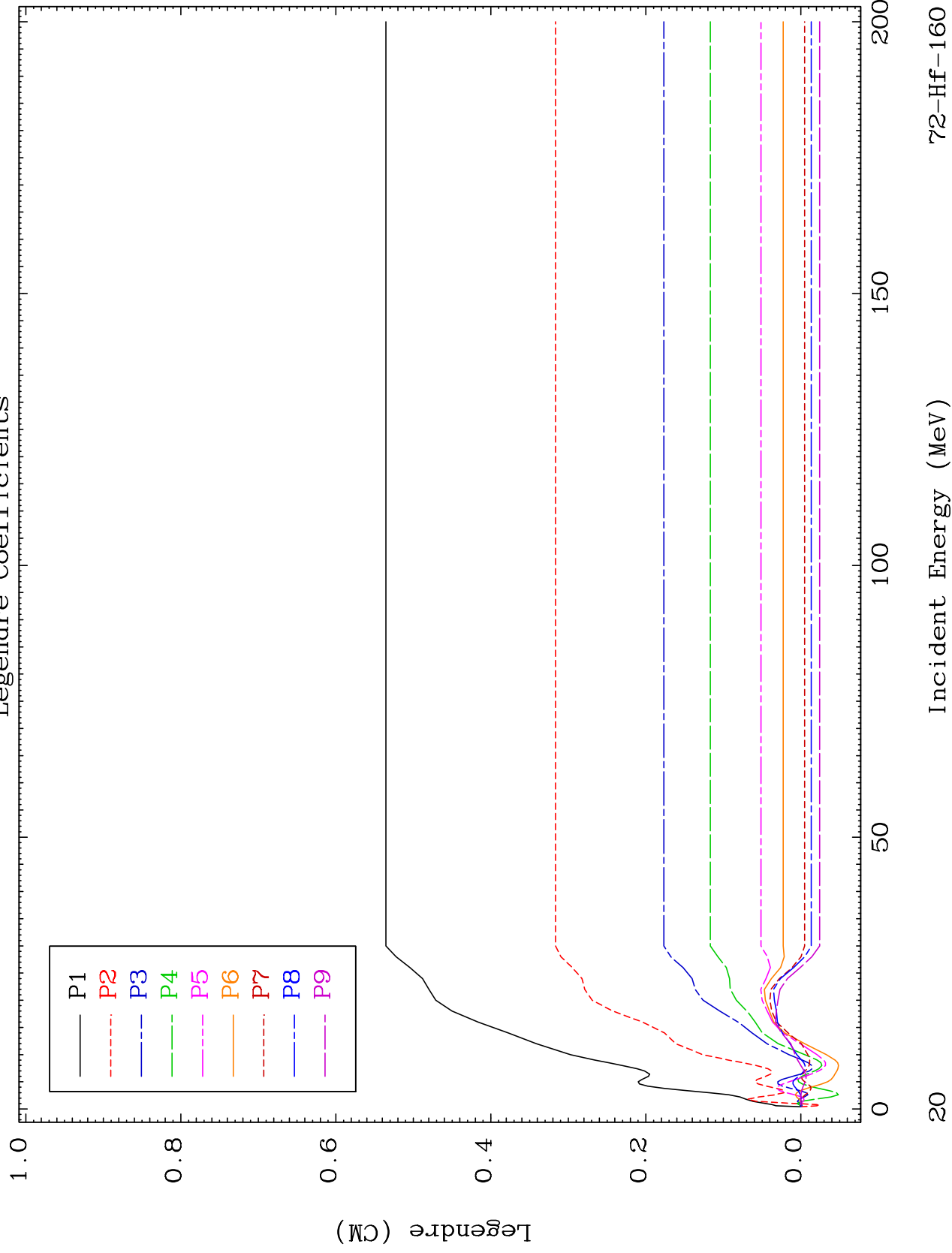
72-Hf-160

19

MAT 7183

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

72-Hf-160



72-Hf-160

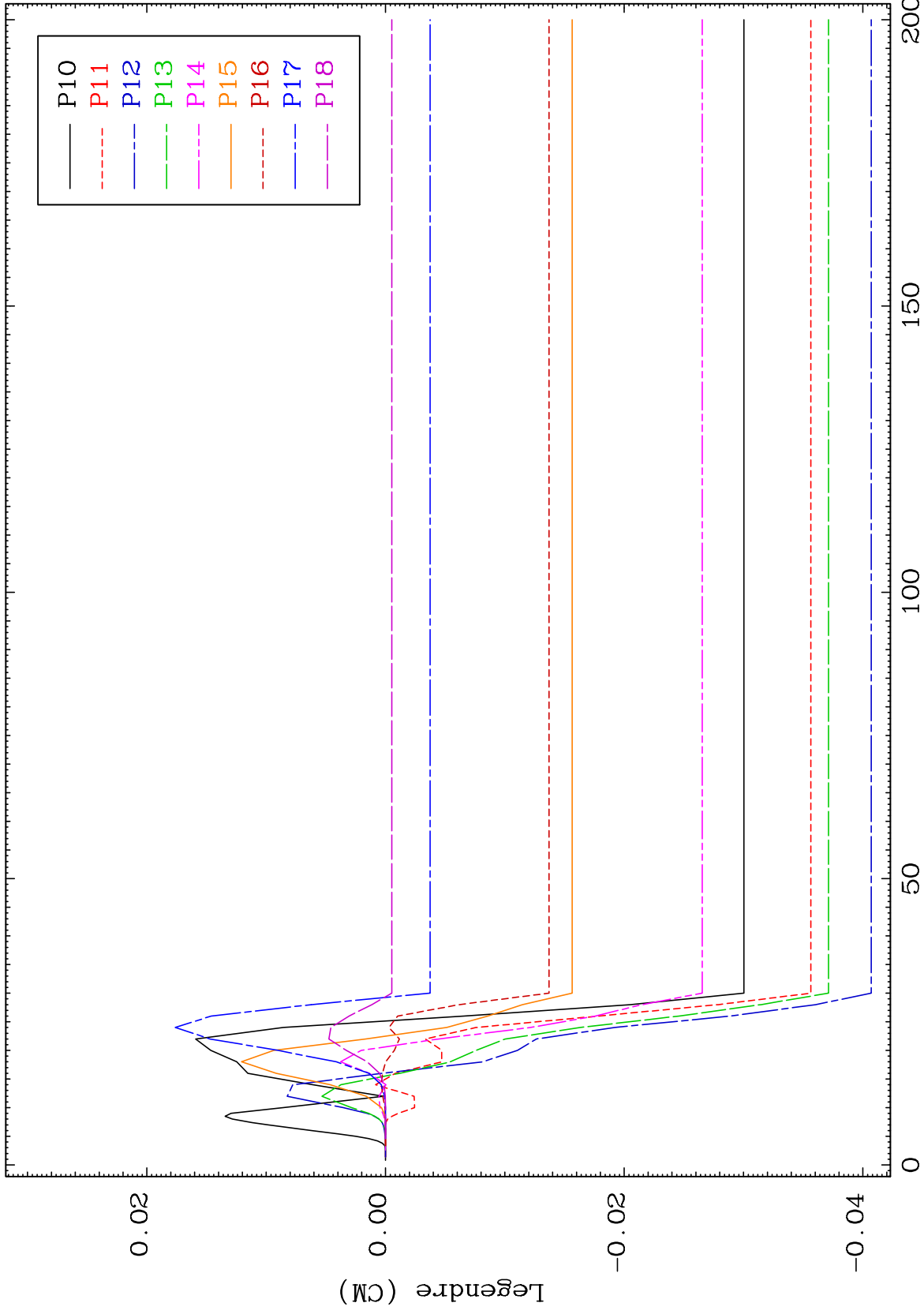
Incident Energy (MeV)

0

MAT 7183

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

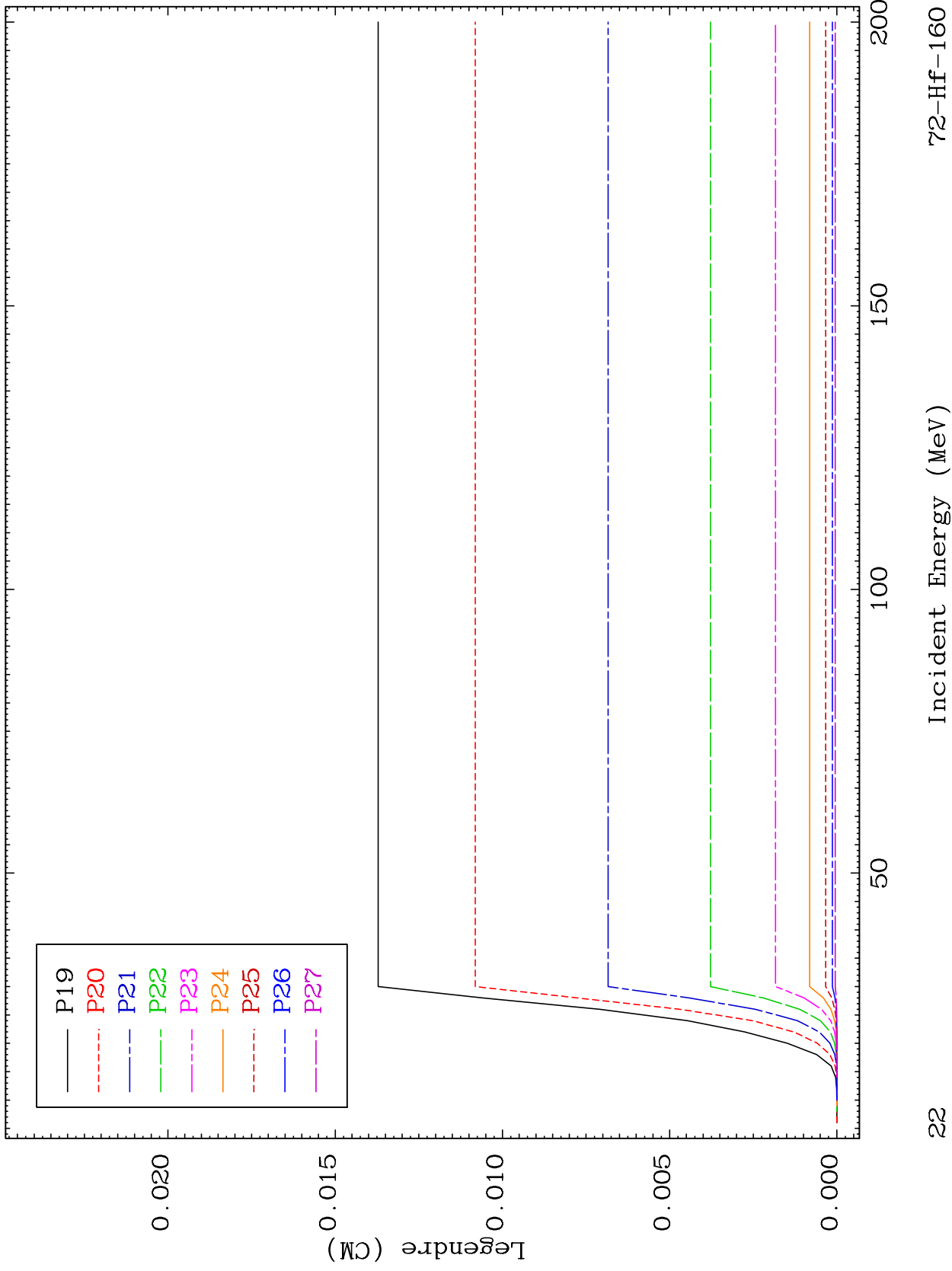
72-Hf-160



21

Incident Energy (MeV)

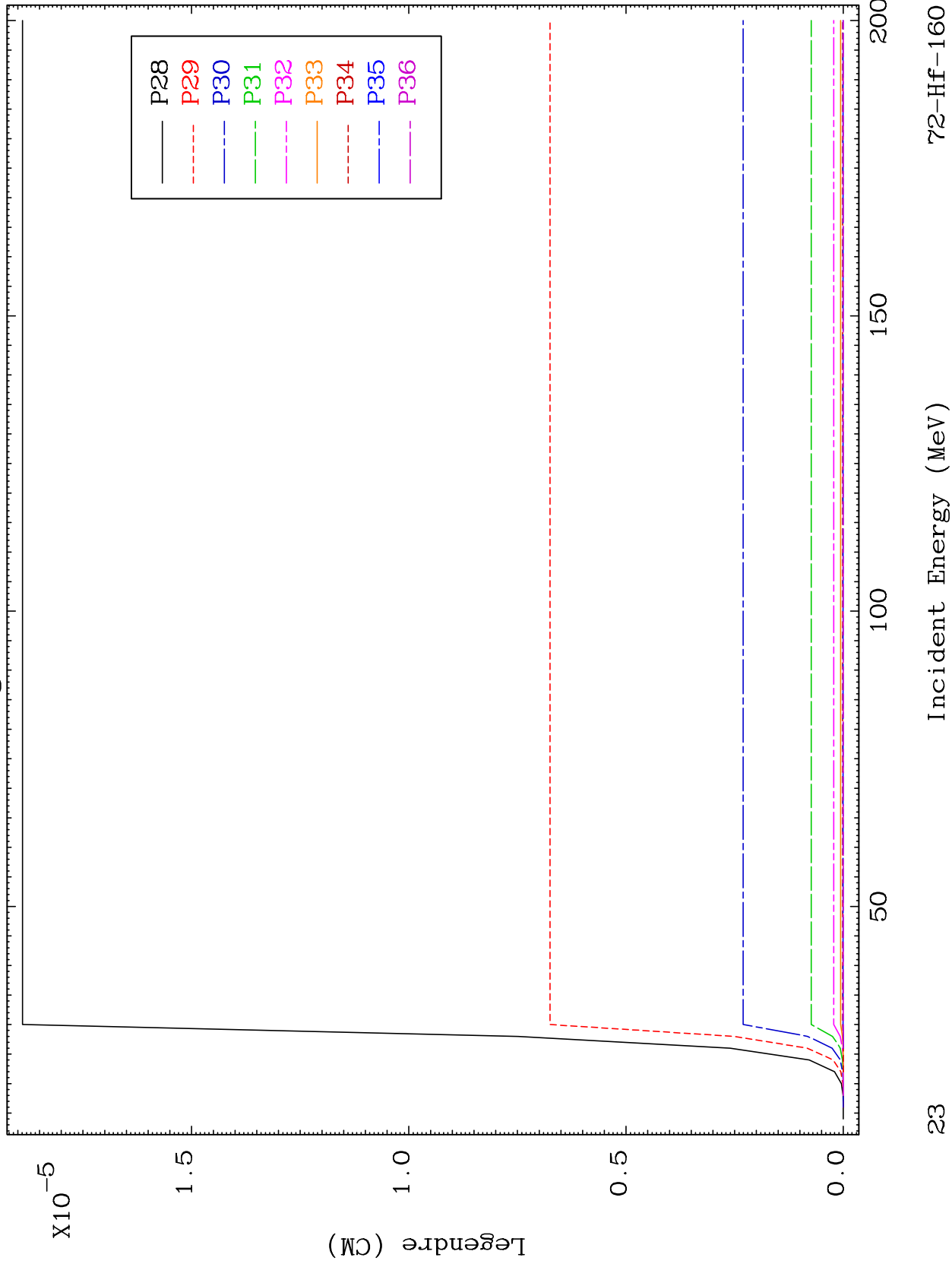
72-Hf-160



MAT 7183

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

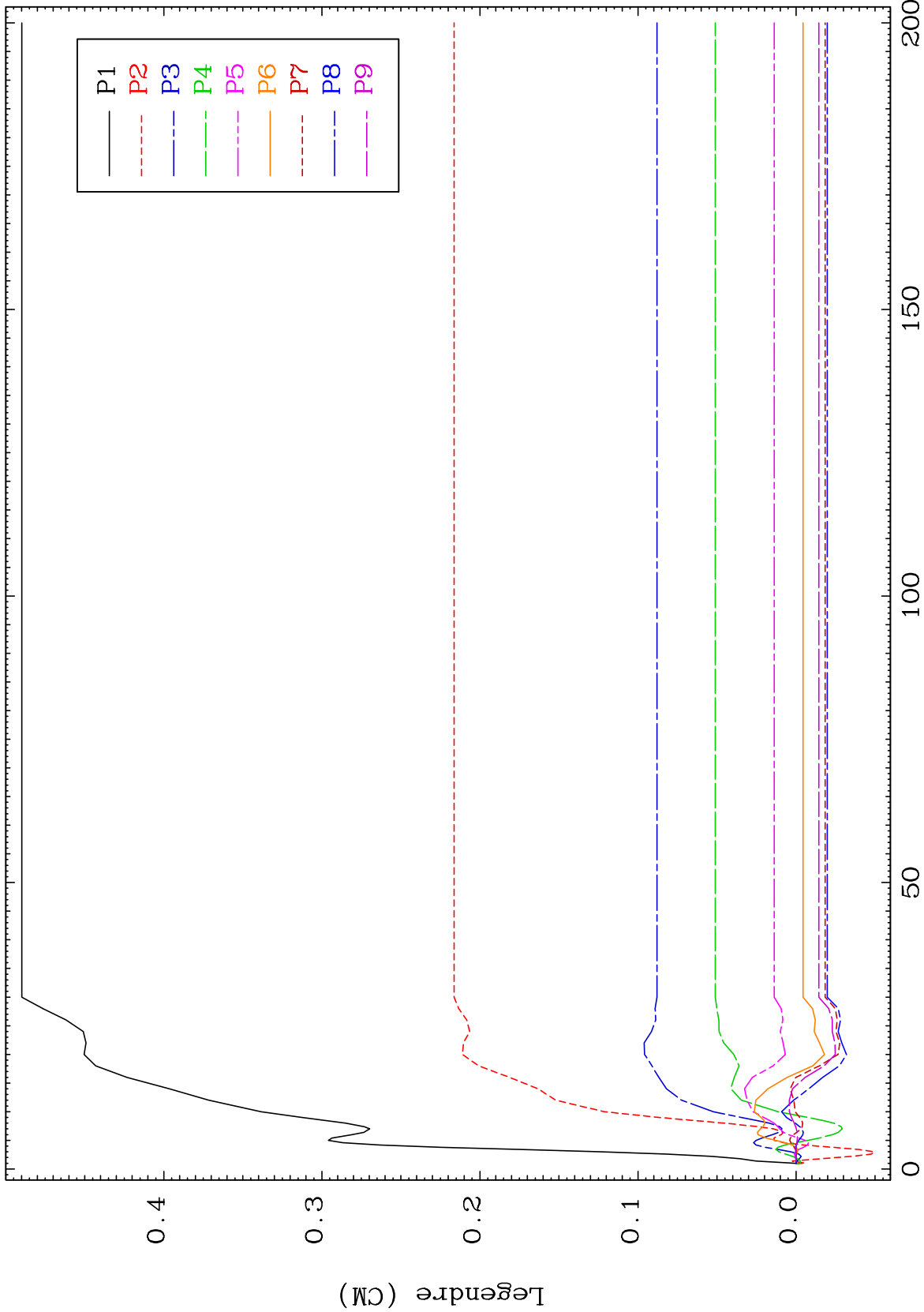
72-Hf-160



MAT 7183

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

72-Hf-160



24

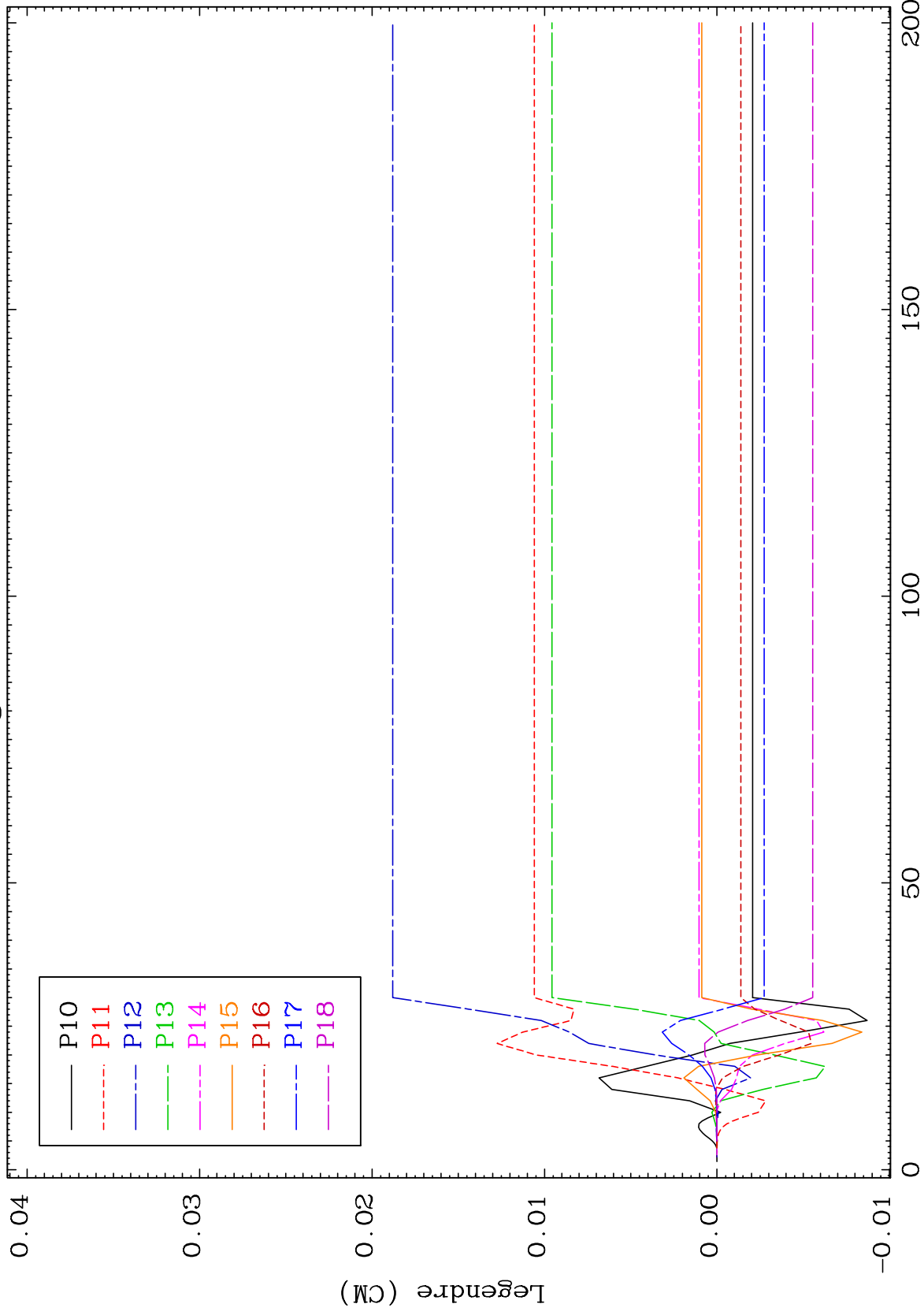
Incident Energy (MeV)

72-Hf-160

MAT 7183

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

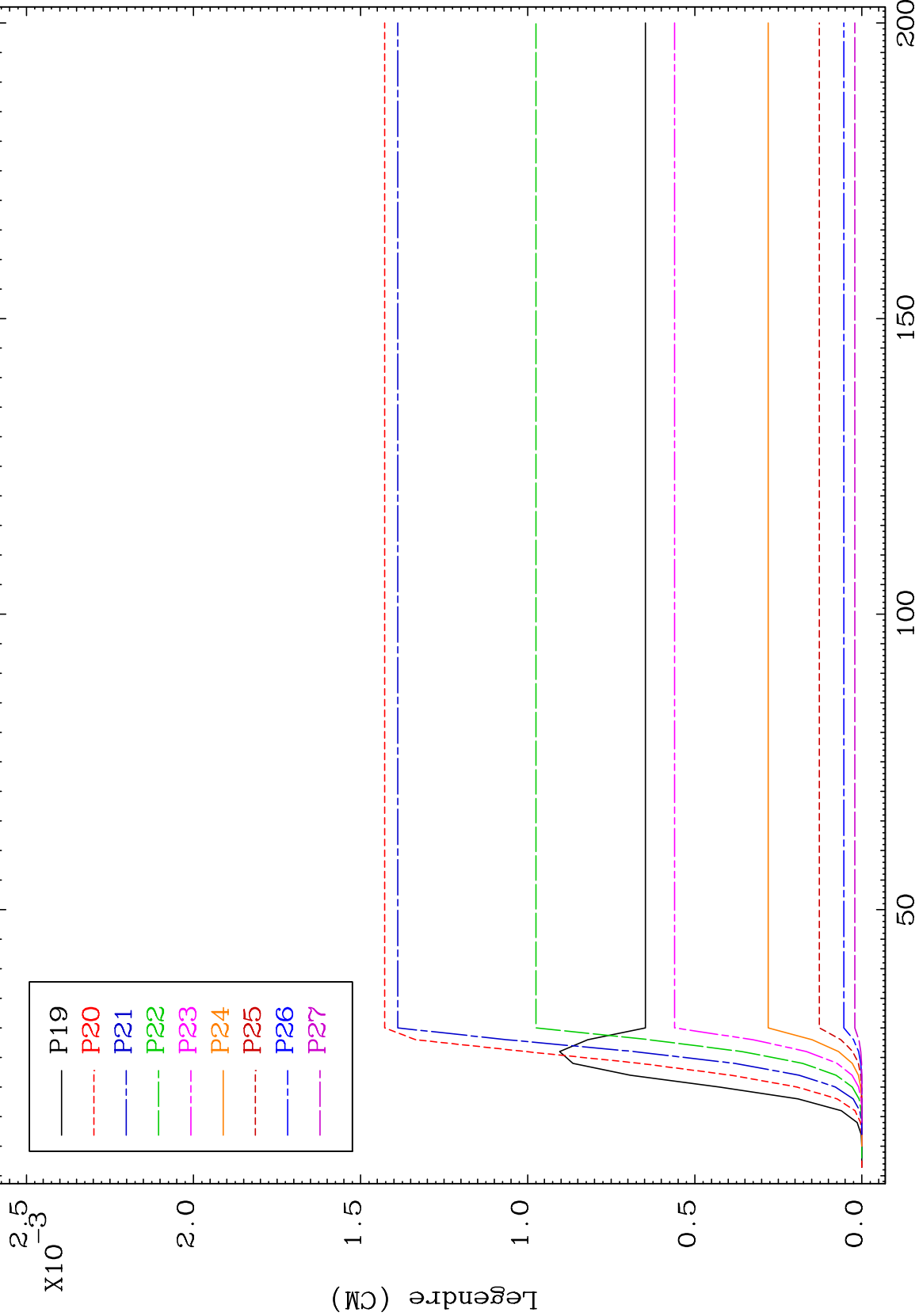
72-Hf-160



25

Incident Energy (MeV)

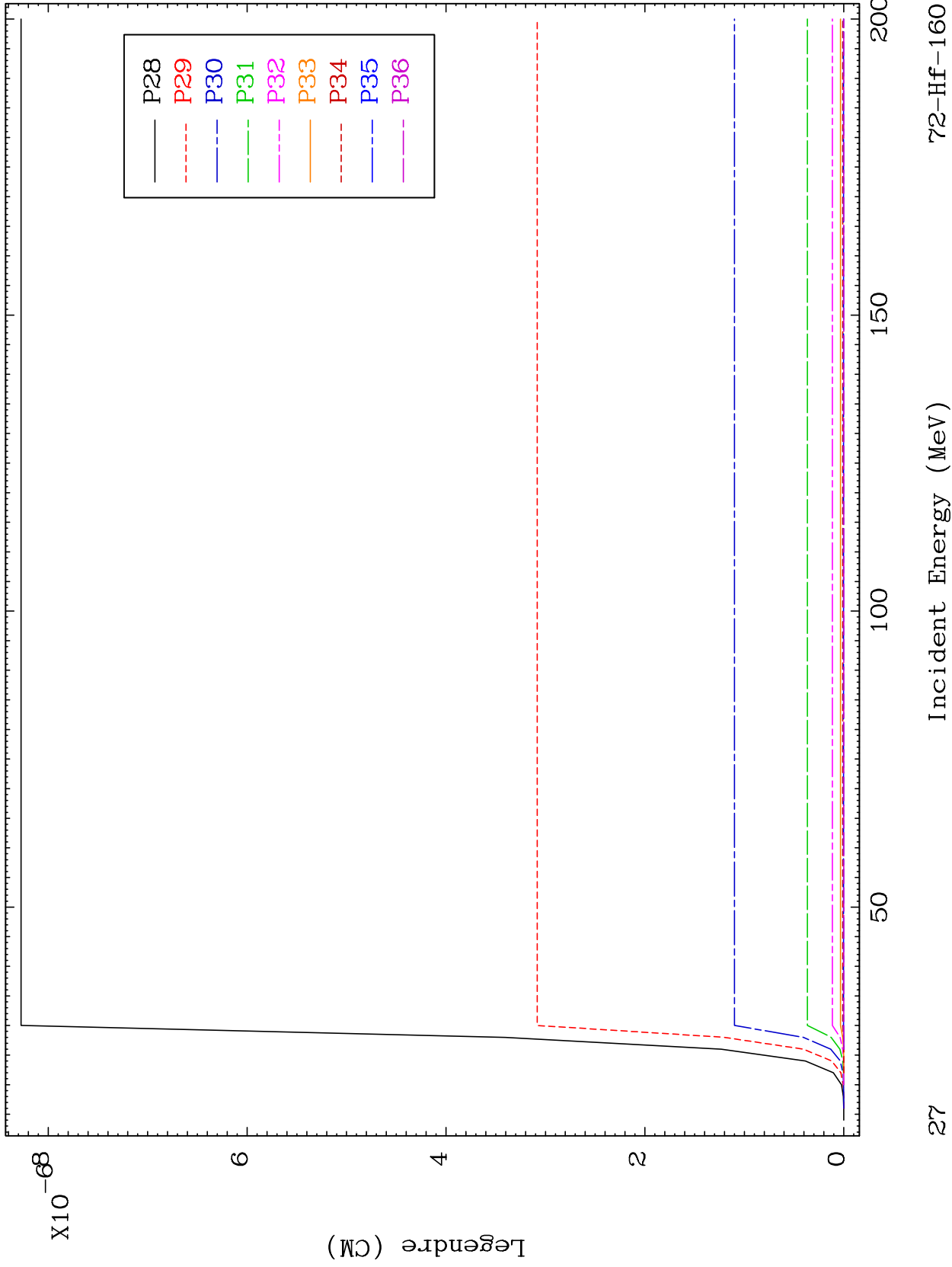
72-Hf-160



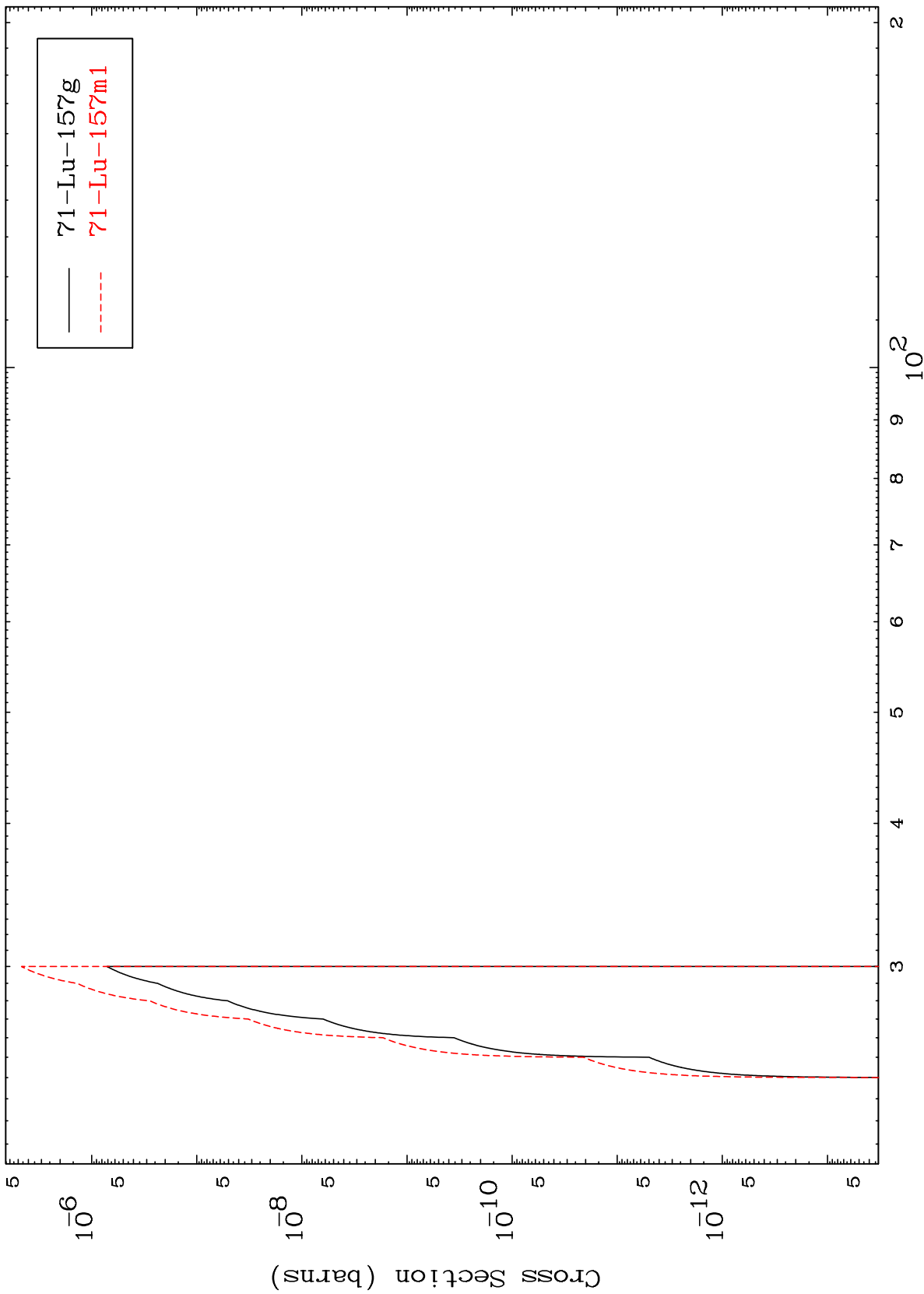
MAT 7183

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

72-Hf-160



Radionuclide Production Cross Section



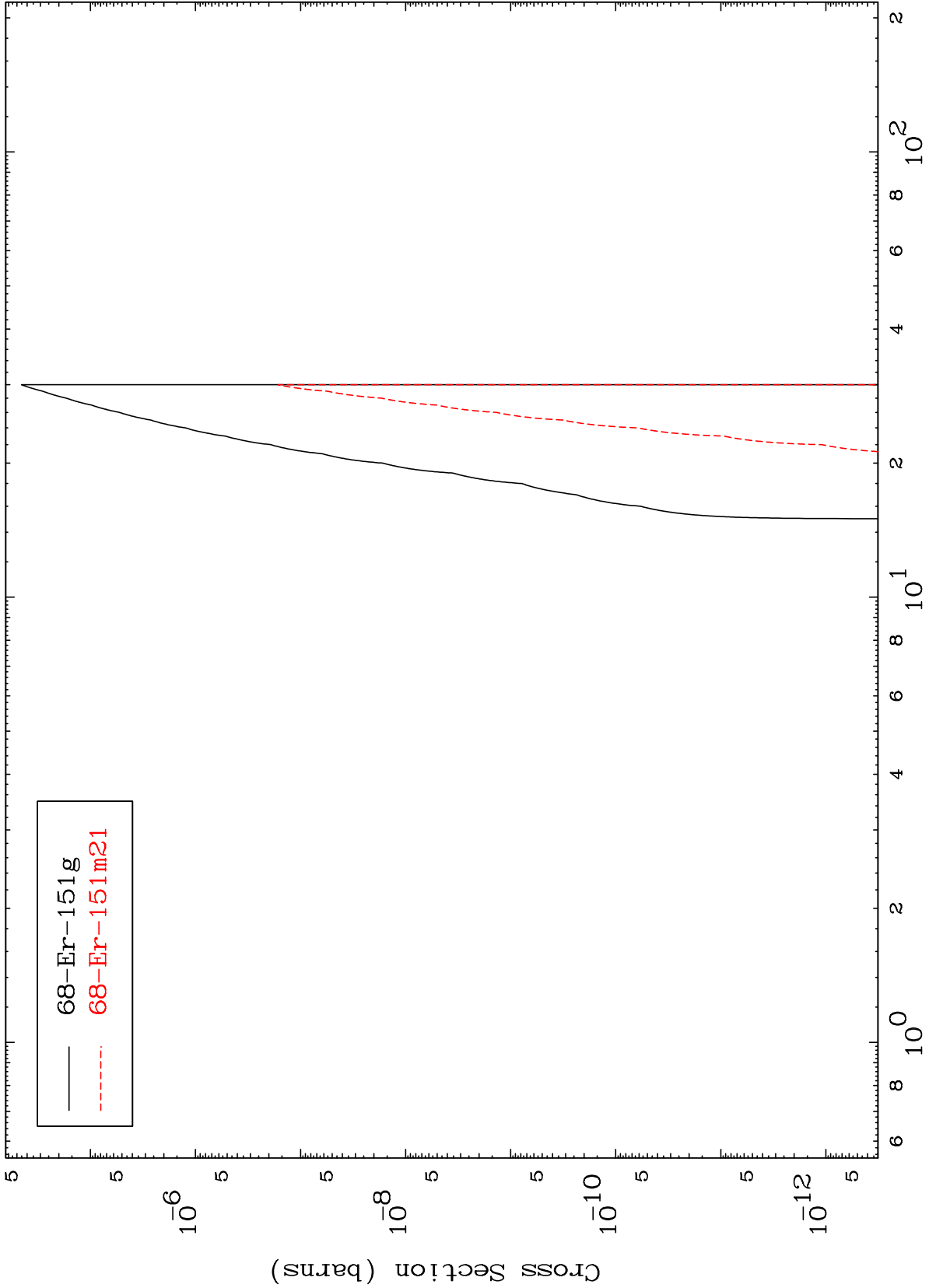
71-Lu-157g
71-Lu-157m1

MAT 7183

(n,2n) 2α

72-Hf-160

Radionuclide Production Cross Section

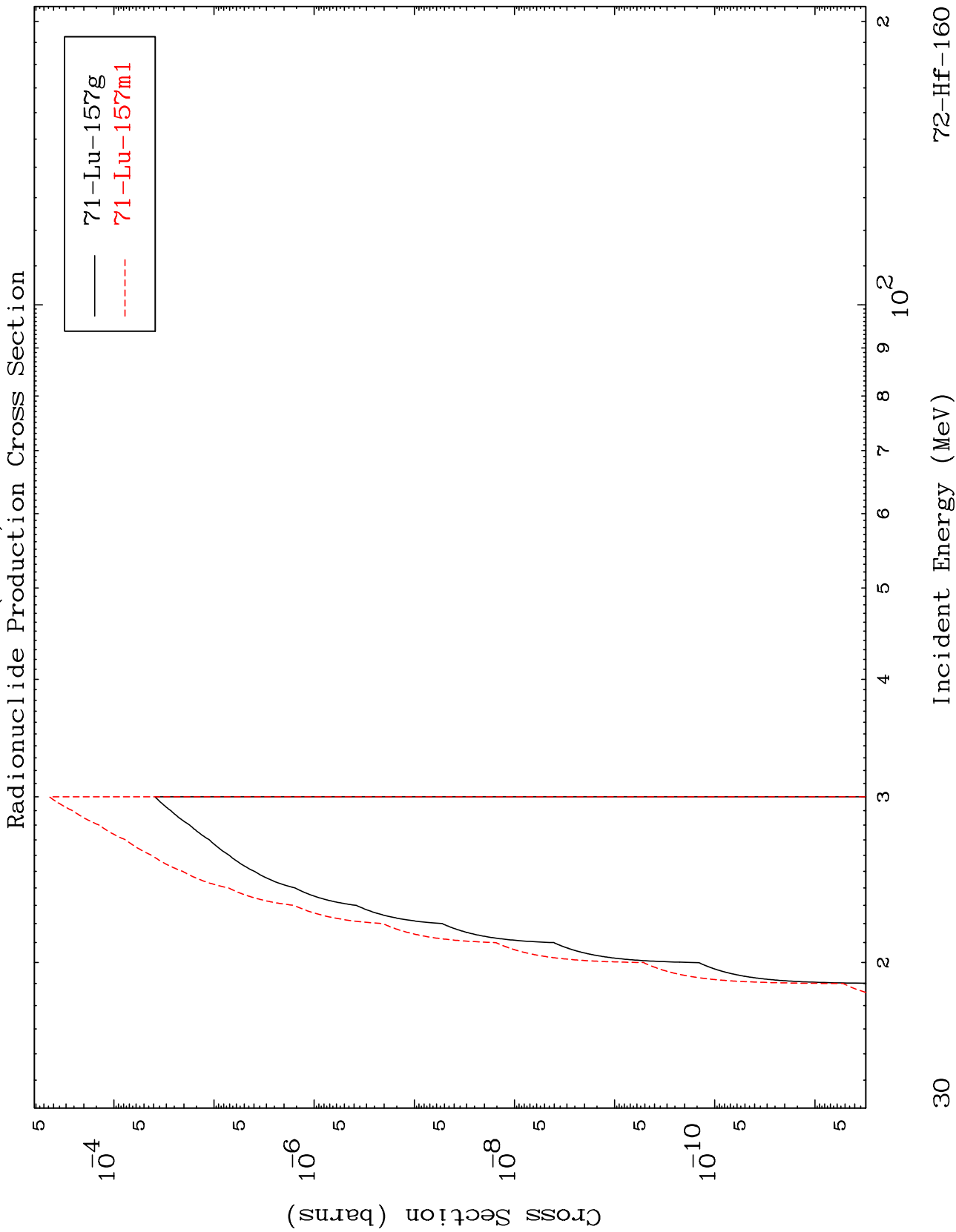


68-Er-151g
68-Er-151m21

29

Incident Energy (MeV)

72-Hf-160

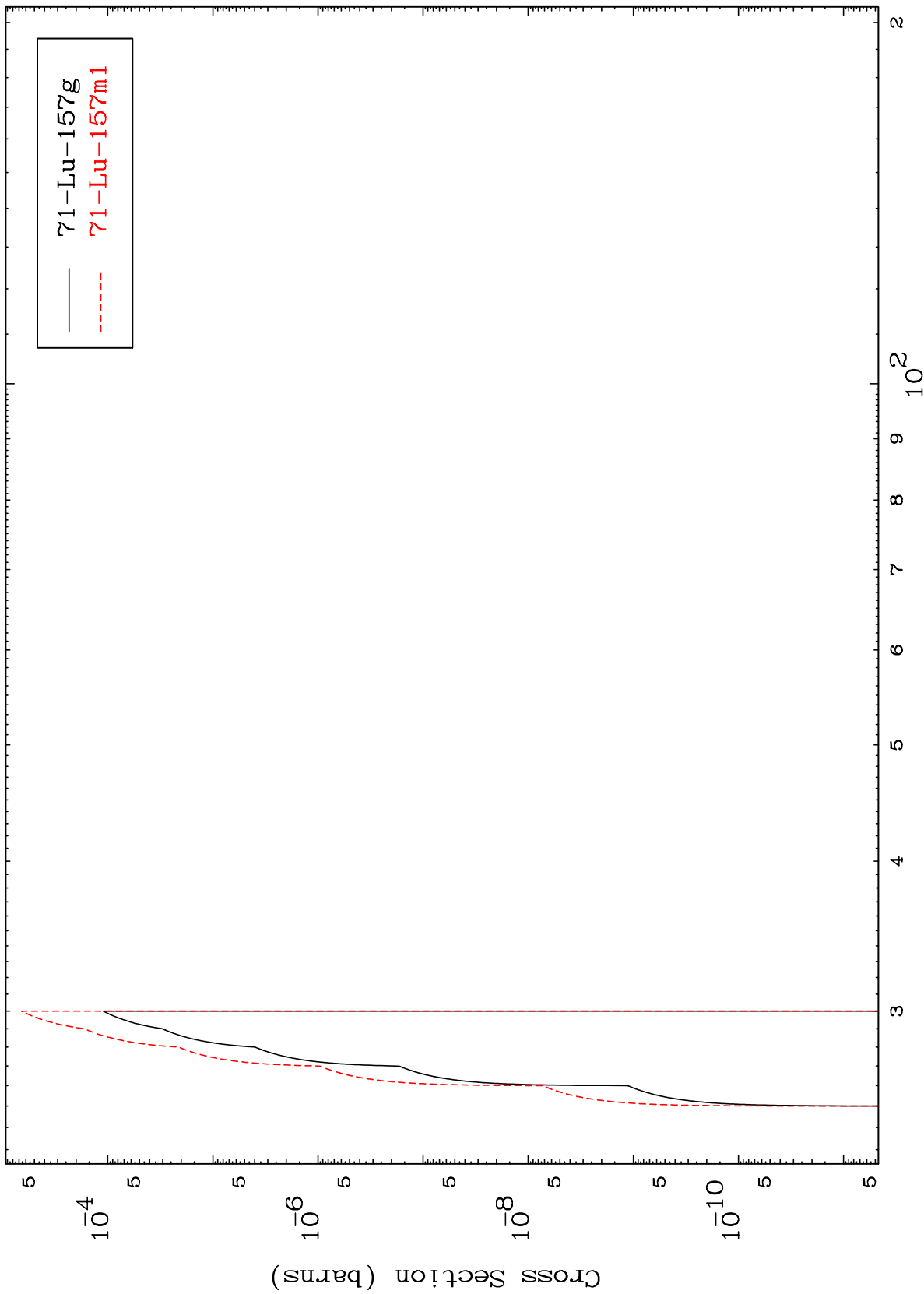


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(n,3n) p

72-Hf-160

Radionuclide Production Cross Section



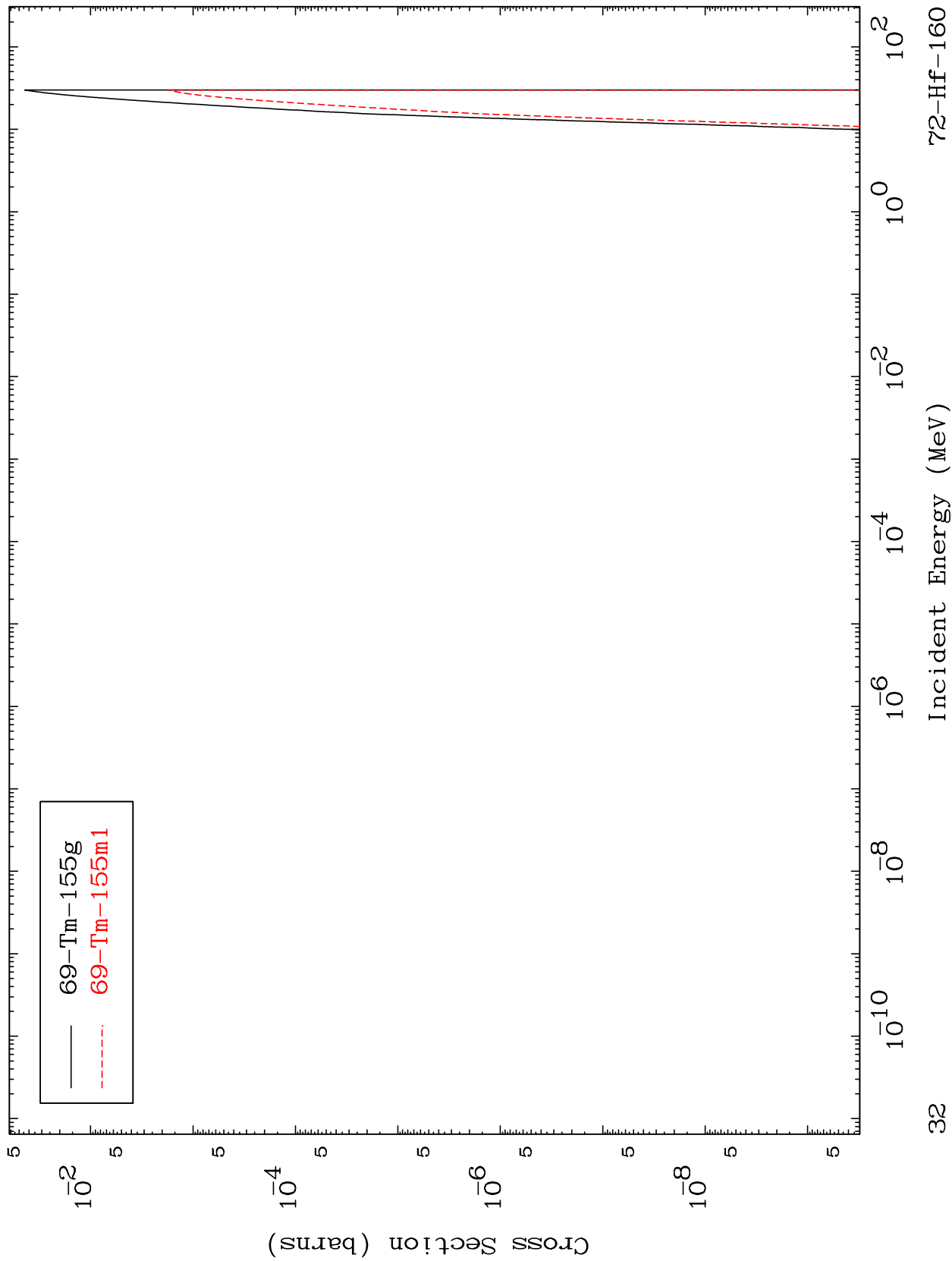
71-Lu-157g
71-Lu-157m1

MAT 7183

(n,n') p α

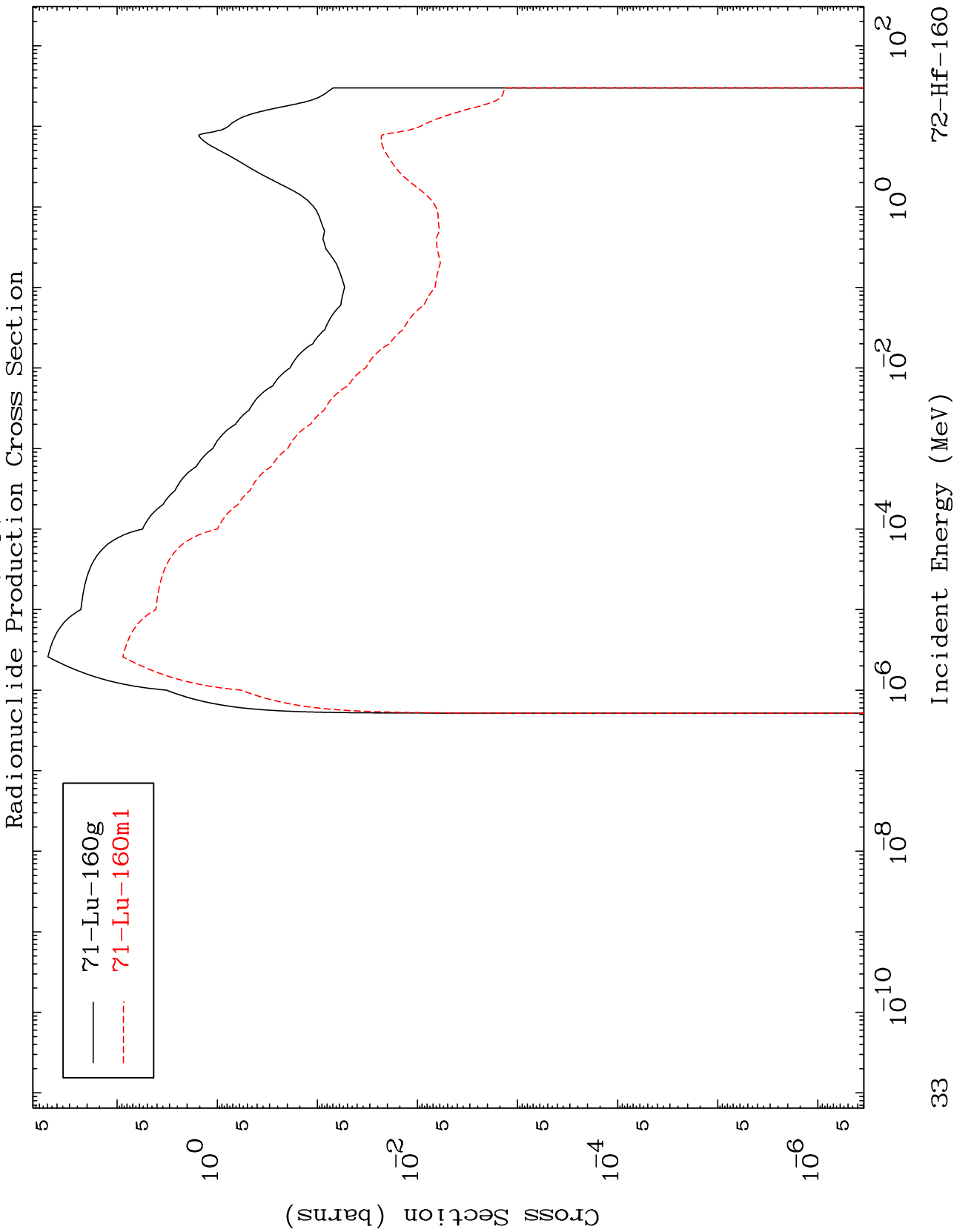
72-Hf-160

Radionuclide Production Cross Section



MAT 7183

72-Hf-160

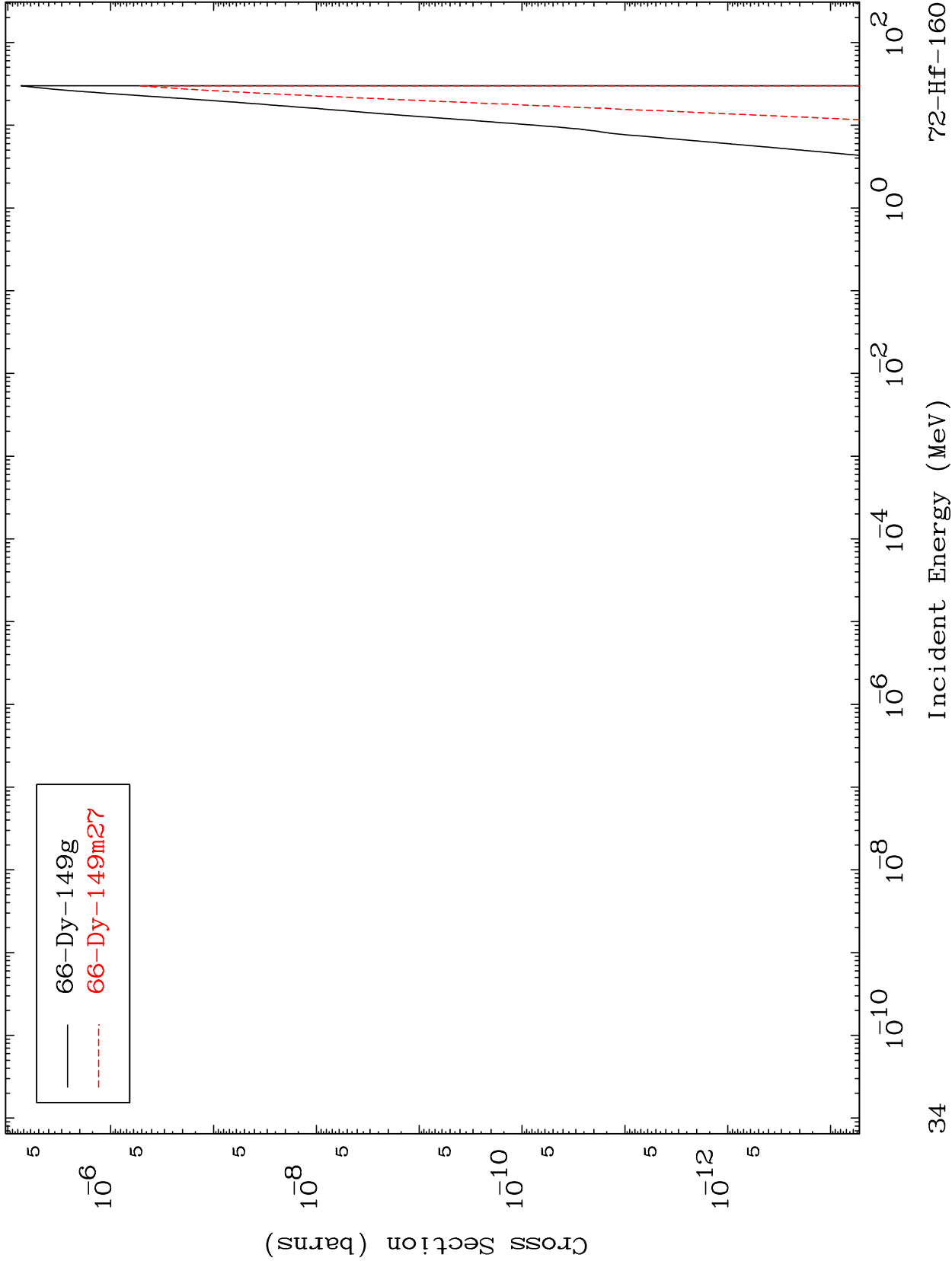


MAT 7183

(n,3α)

72-Hf-160

Radionuclide Production Cross Section

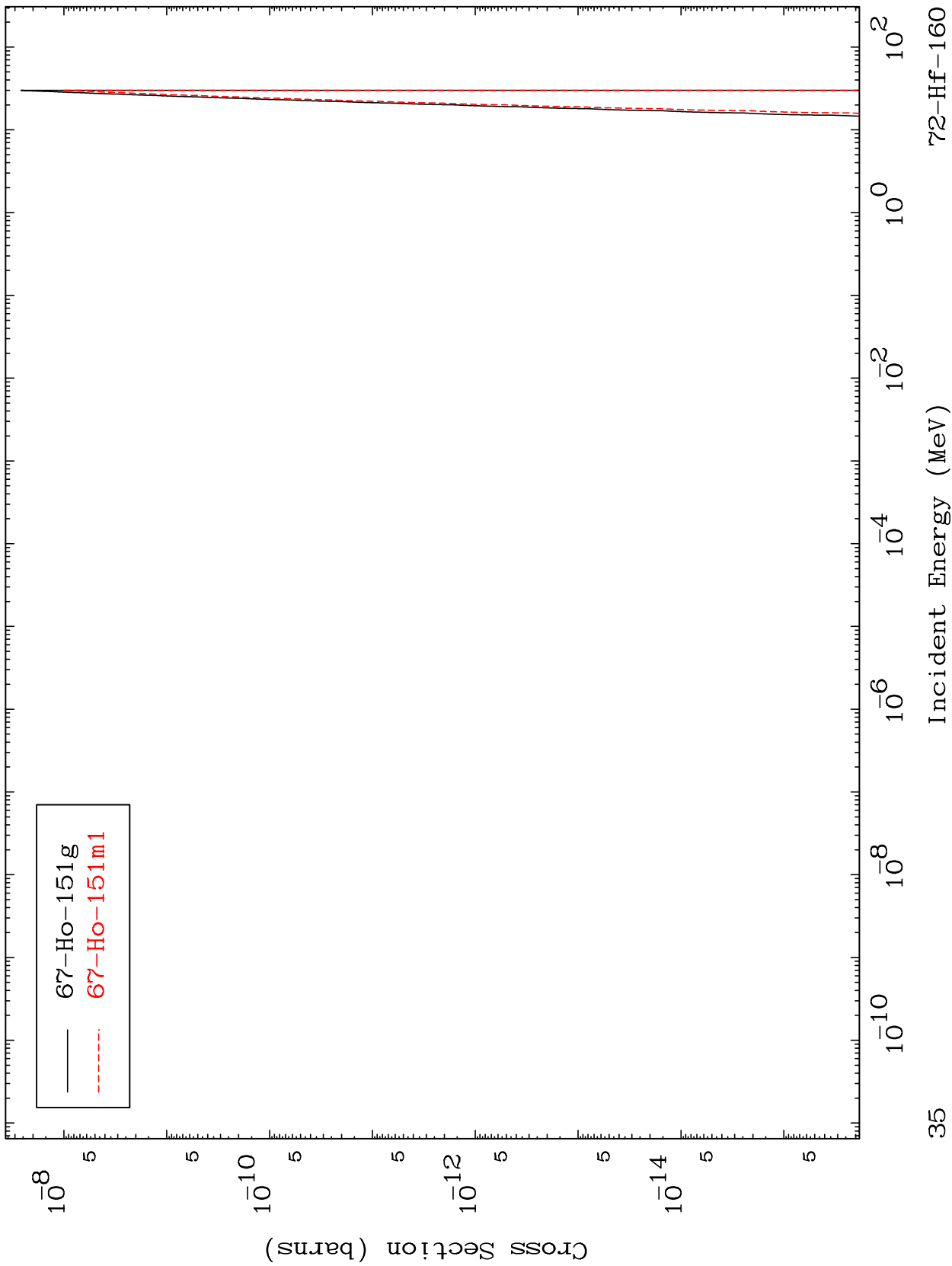


MAT 7183

(n,d) 2α

$^{72}\text{Hf-160}$

Radionuclide Production Cross Section



MAT 7183

(n,d) α

72-Hf-160

Radionuclide Production Cross Section

