

Program EVALPLOT
(Version 2018-1)

by

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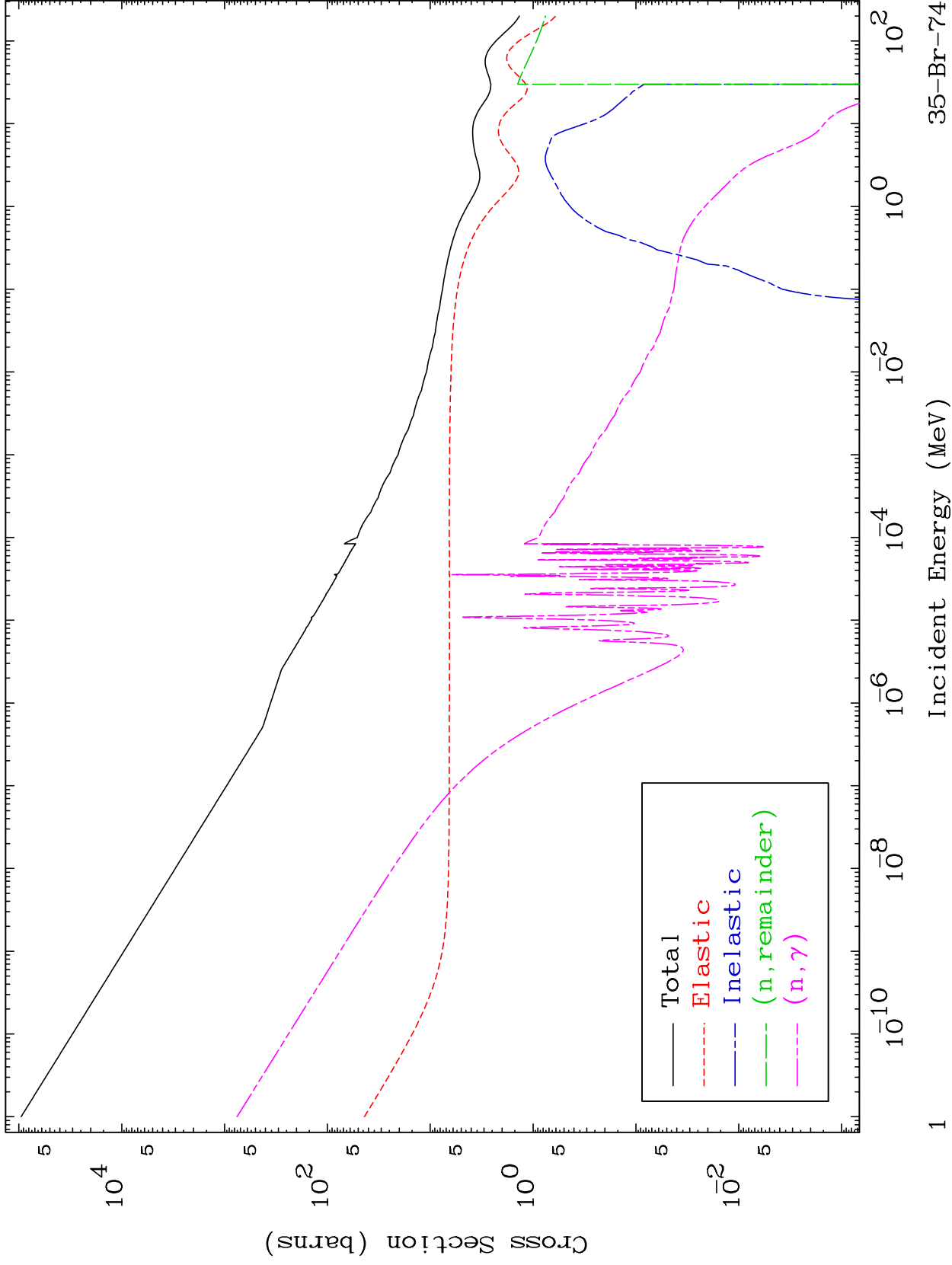
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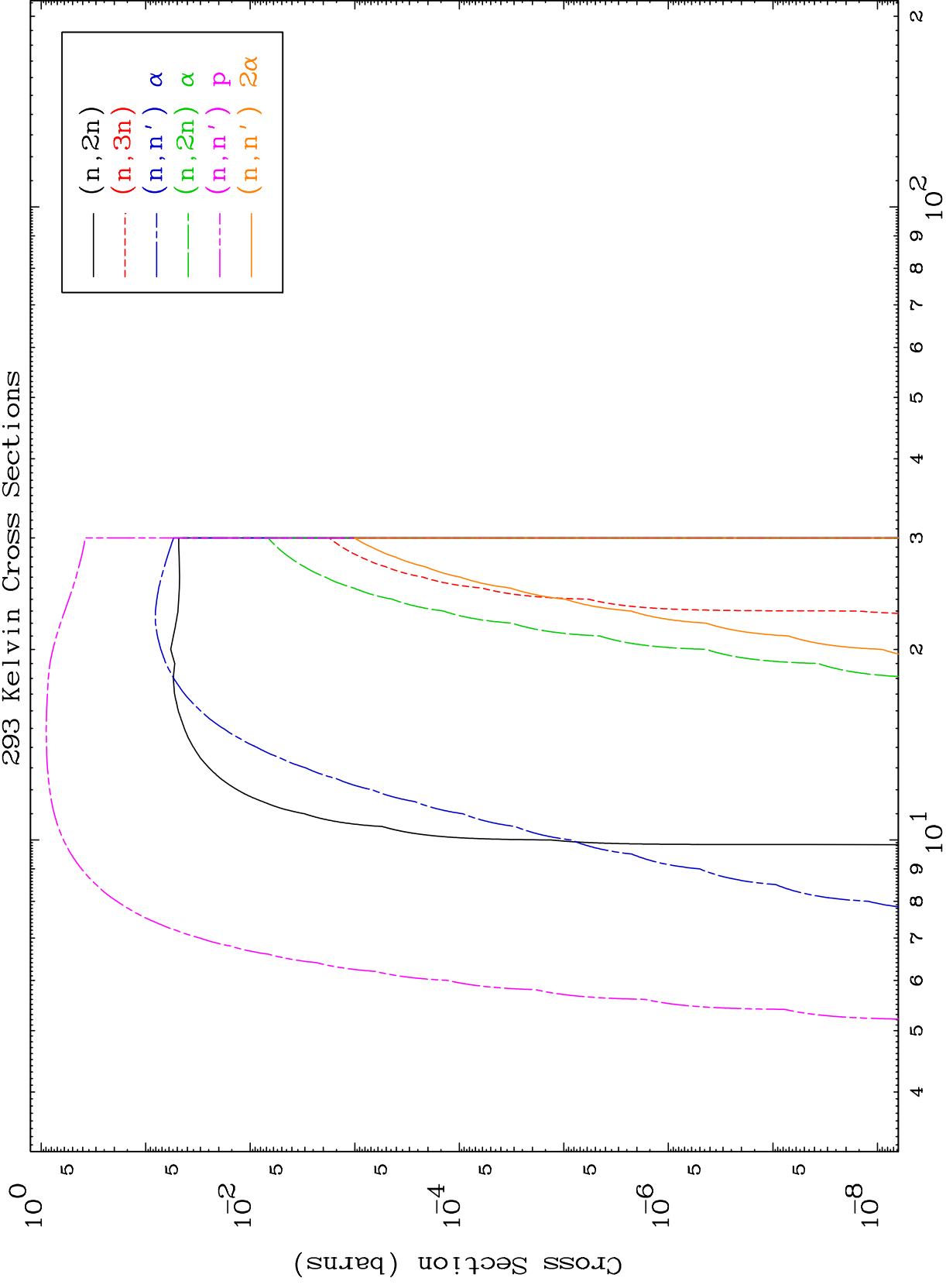
Press Mouse Button to Start

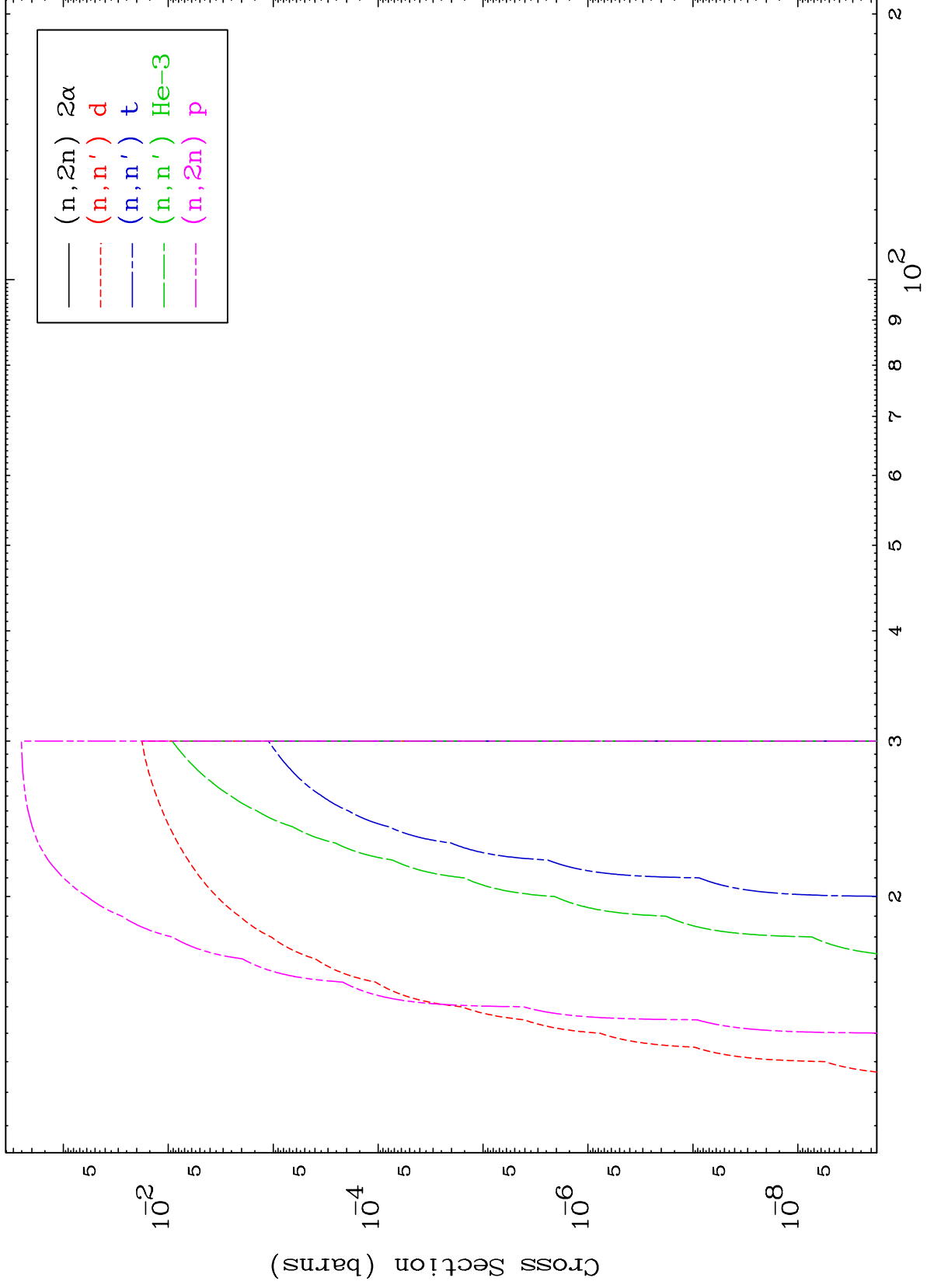
MAT 3511

Major
293 Kelvin Cross Sections

35-Br-74



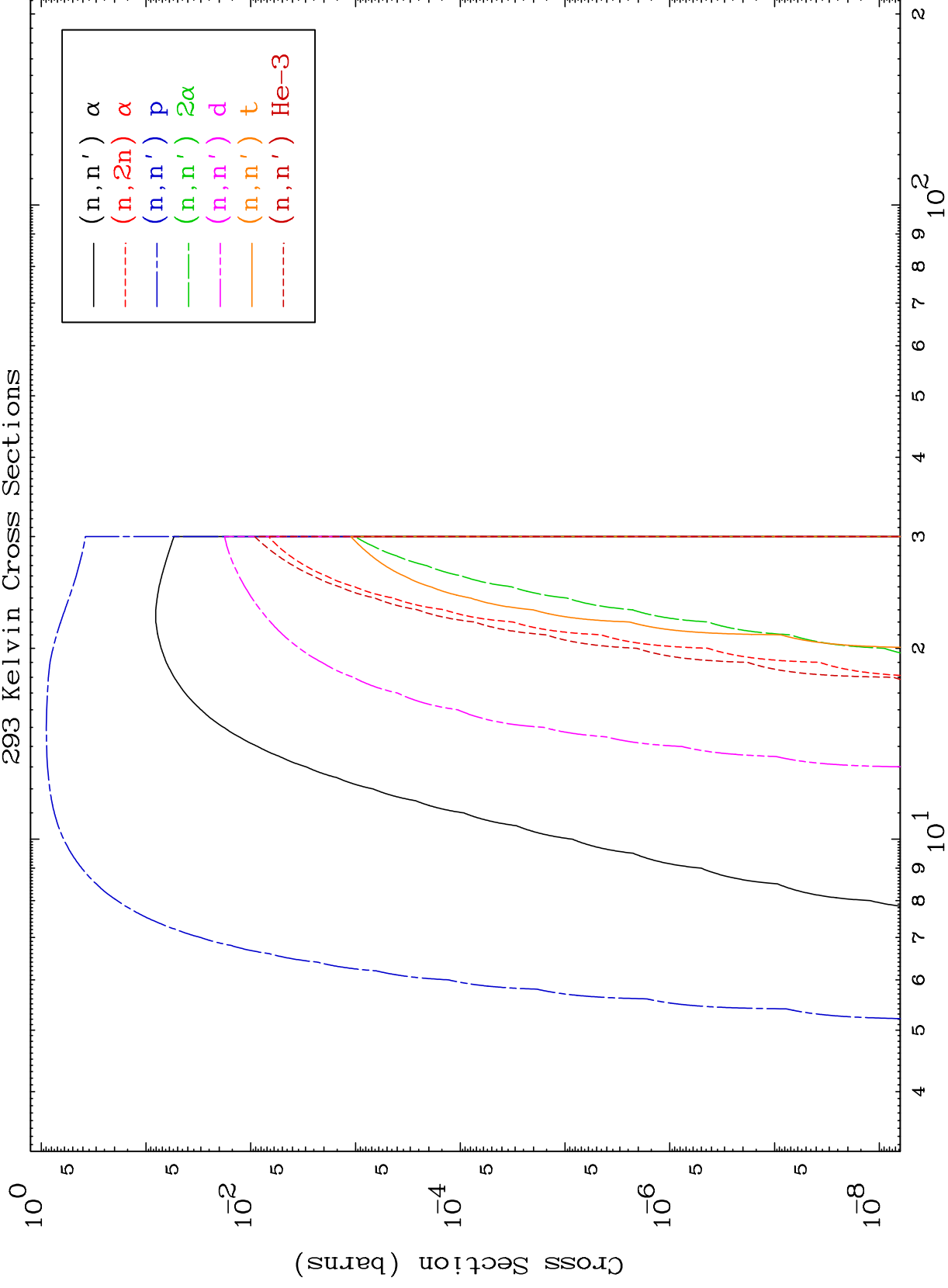




MAT 3511

Charged Particle
293 Kelvin Cross Sections

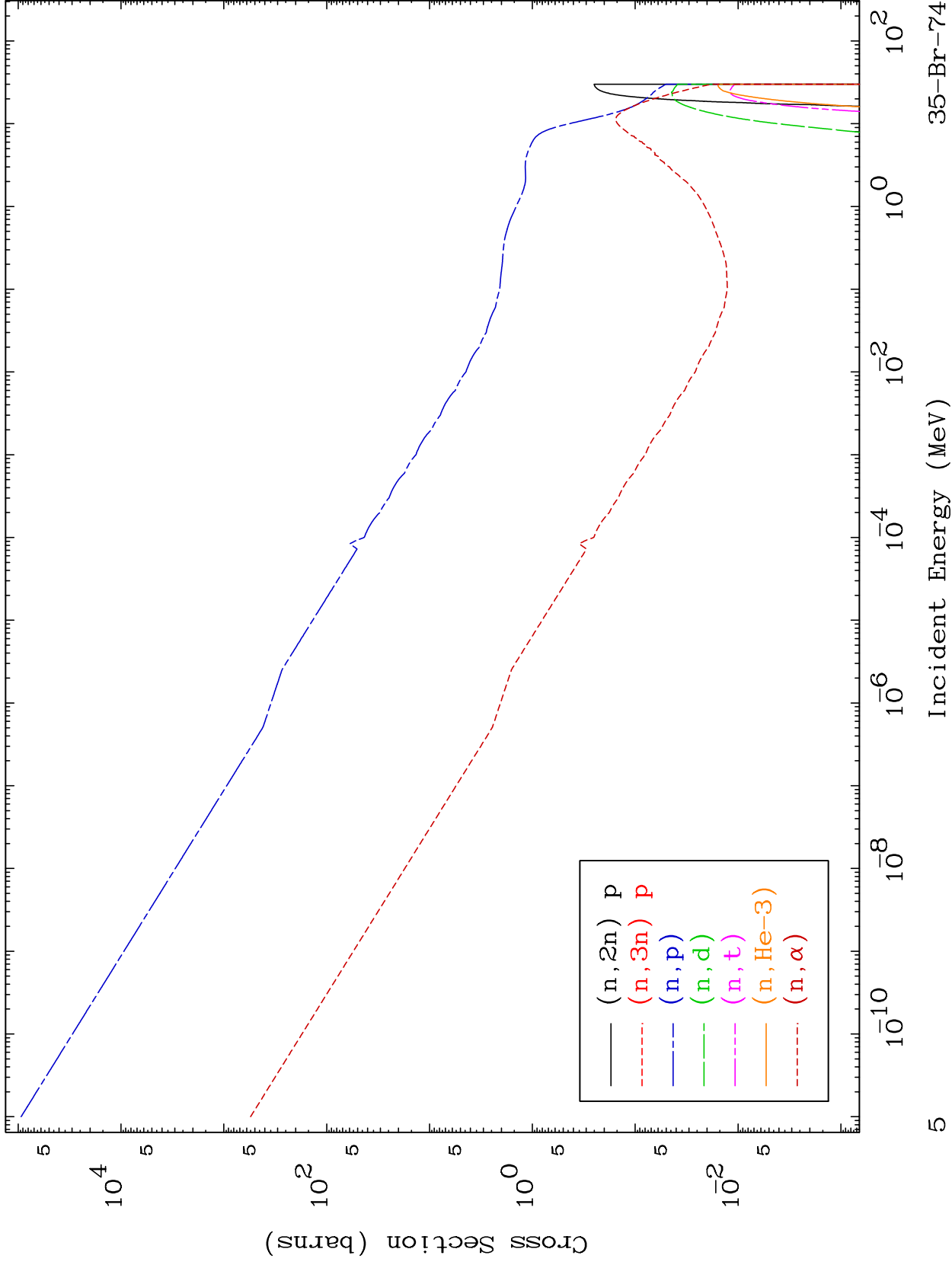
35-Br-74



4

Incident Energy (MeV)

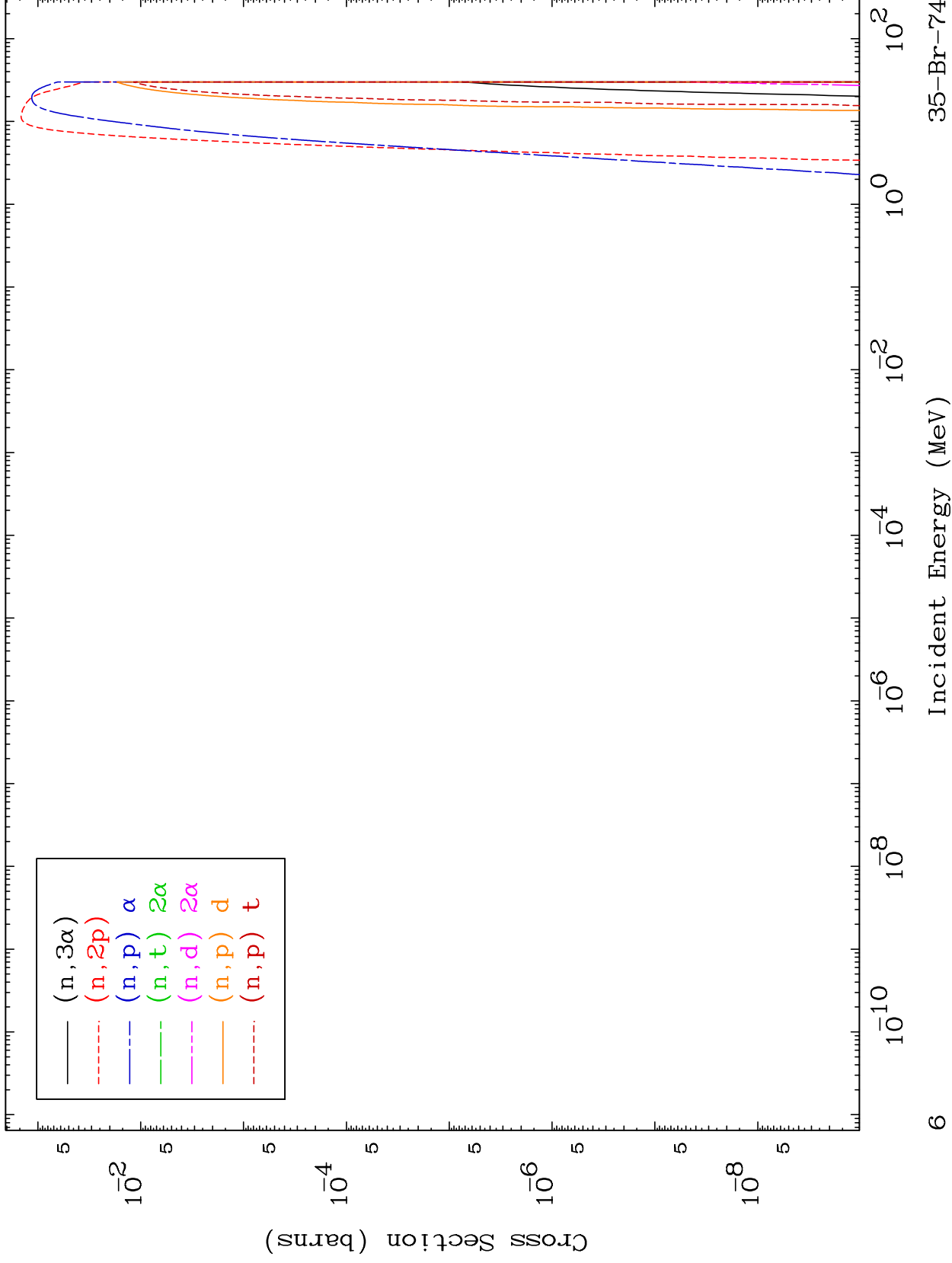
35-Br-74



MAT 3511

Charged Particle
293 Kelvin Cross Sections

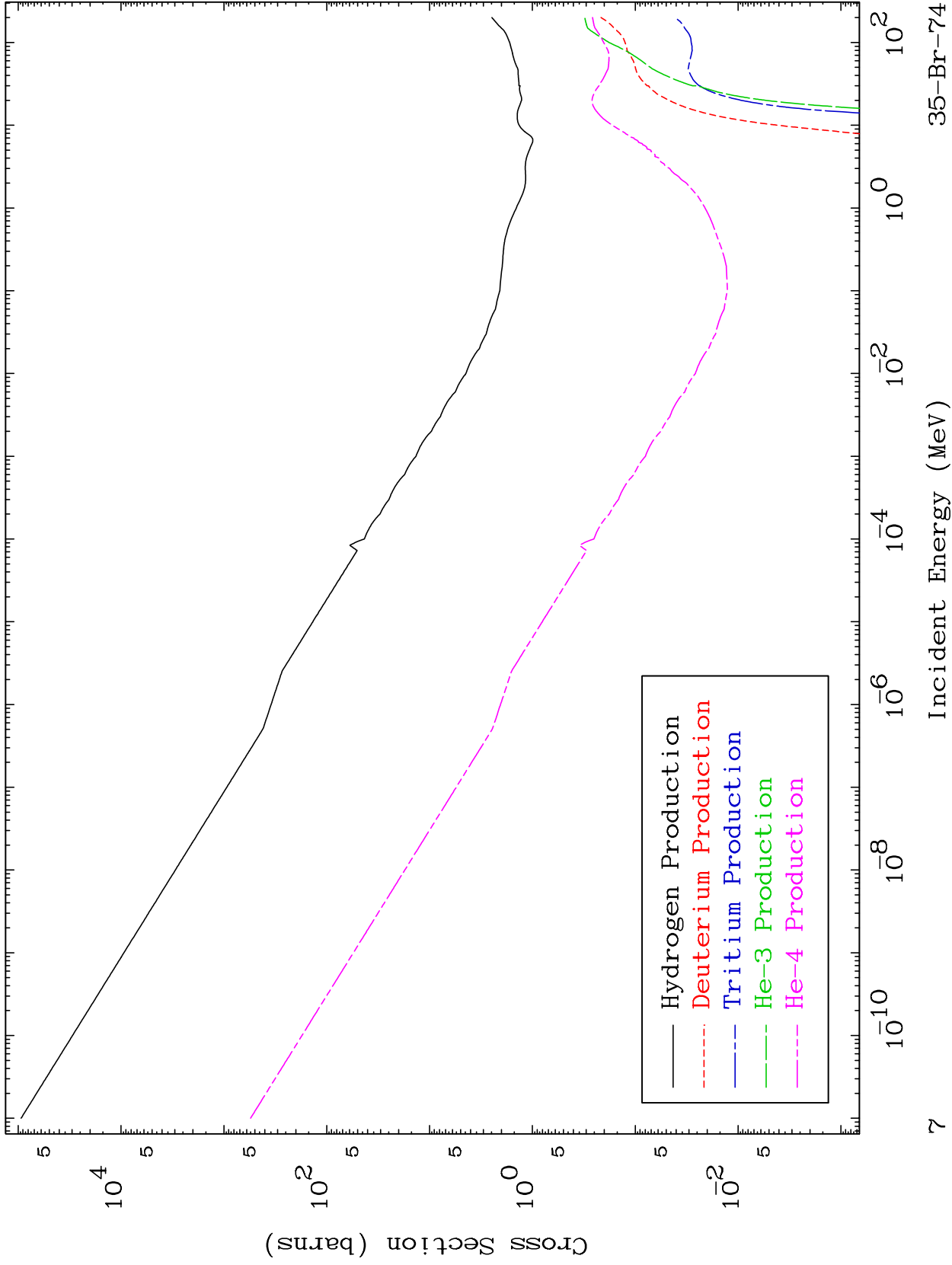
35-Br-74

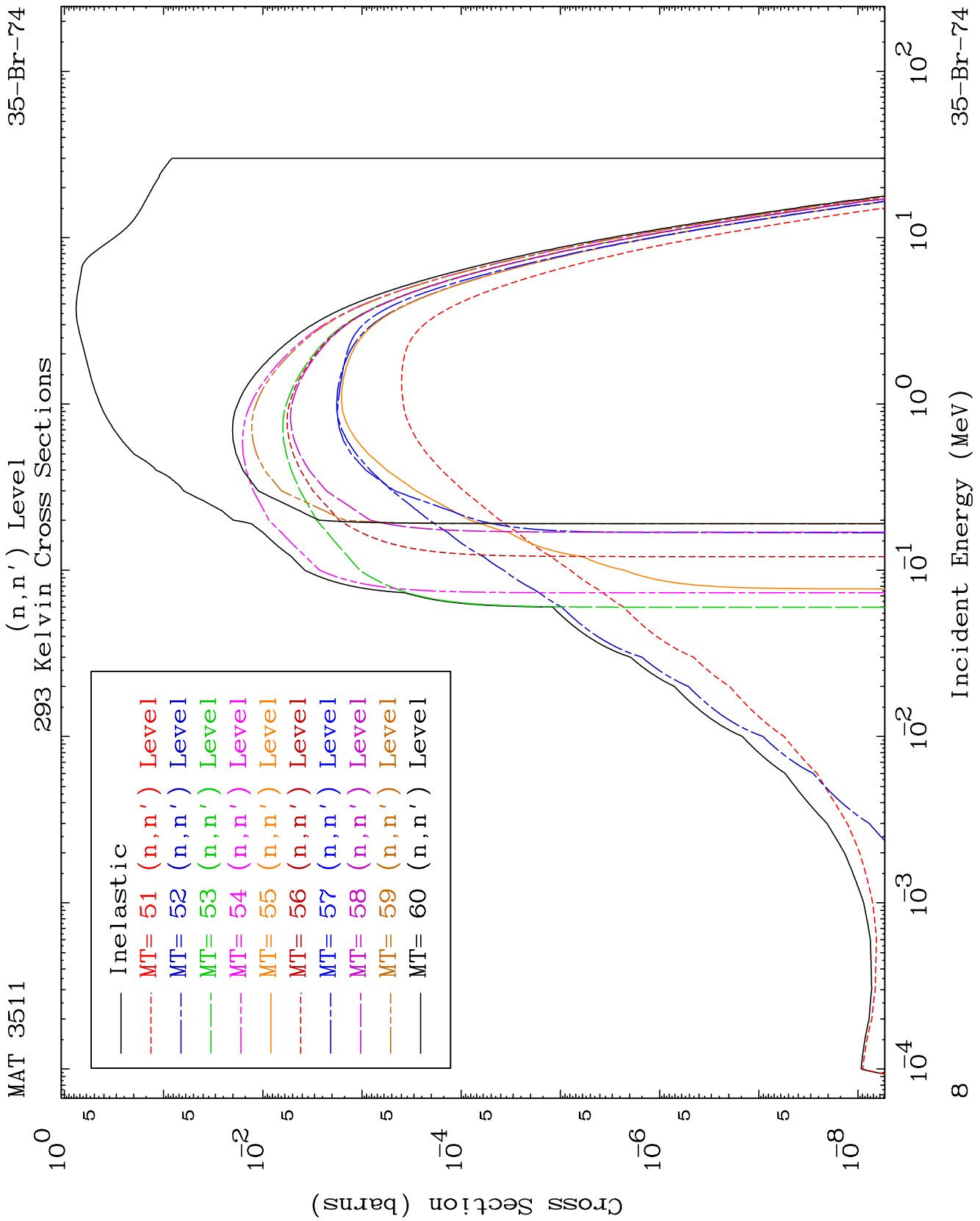


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Particle Production
293 Kelvin Cross Sections

35-Br-74





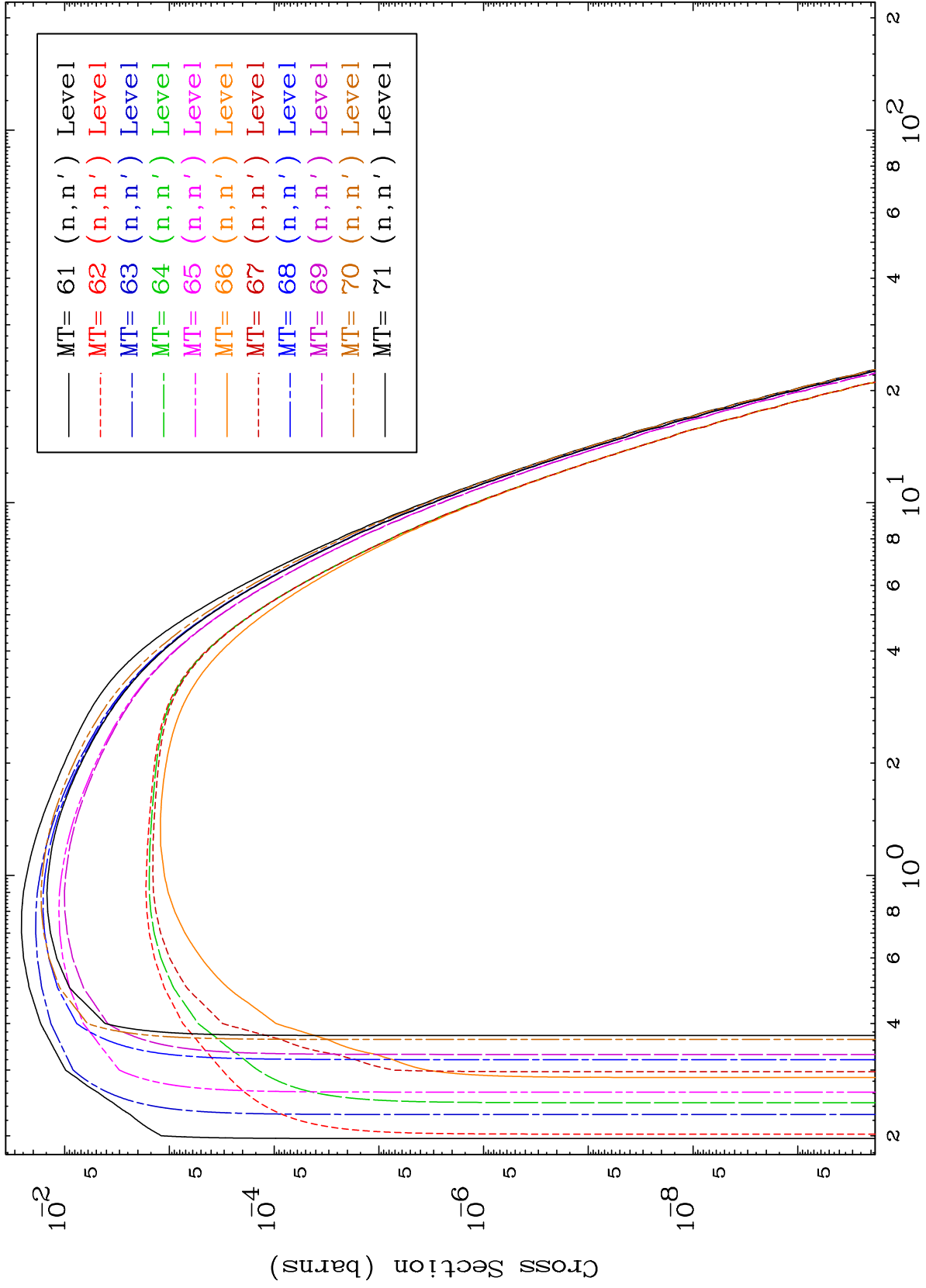
- | | |
|---------|---------------------|
| — | Inelastic |
| - - - | MT= 51 (n,n') Level |
| - · - · | MT= 52 (n,n') Level |
| - - - | MT= 53 (n,n') Level |
| - - - | MT= 54 (n,n') Level |
| - - - | MT= 55 (n,n') Level |
| - - - | MT= 56 (n,n') Level |
| - · - · | MT= 57 (n,n') Level |
| - - - | MT= 58 (n,n') Level |
| - - - | MT= 59 (n,n') Level |
| - - - | MT= 60 (n,n') Level |

MAT 3511

(n,n') Level

293 Kelvin Cross Sections

35-Br-74



9

Incident Energy (MeV)

35-Br-74

MAT 3511

(n,n') Level

35-Br-74

293 Kelvin Cross Sections

10^6

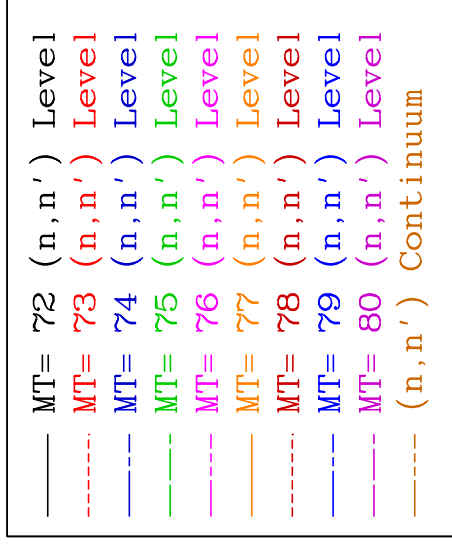
10^3

10^0

10^{-3}

10^{-6}

Cross Section (barns)



2

4

6

8

10¹

2

4

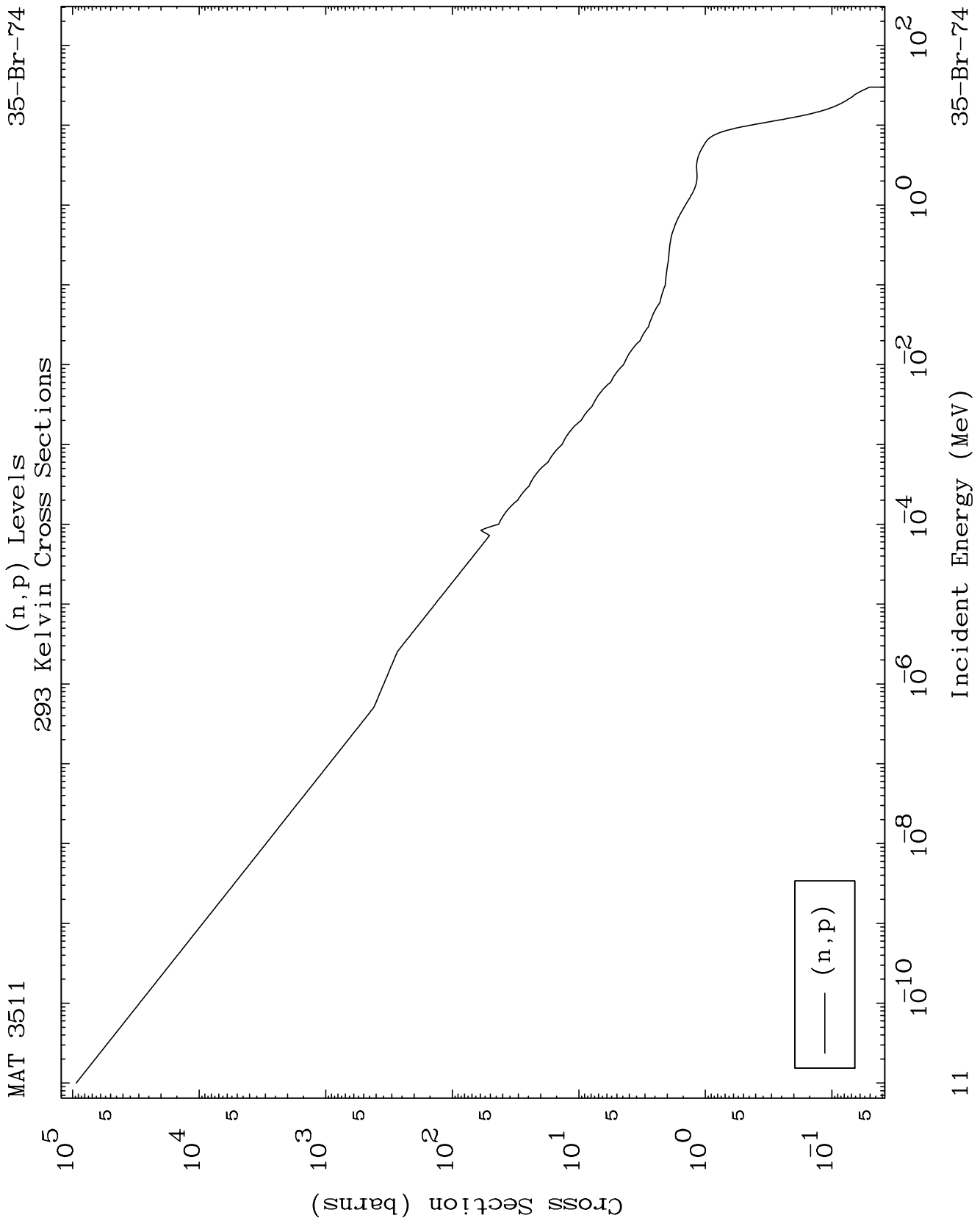
6

8

10

Incident Energy (MeV)

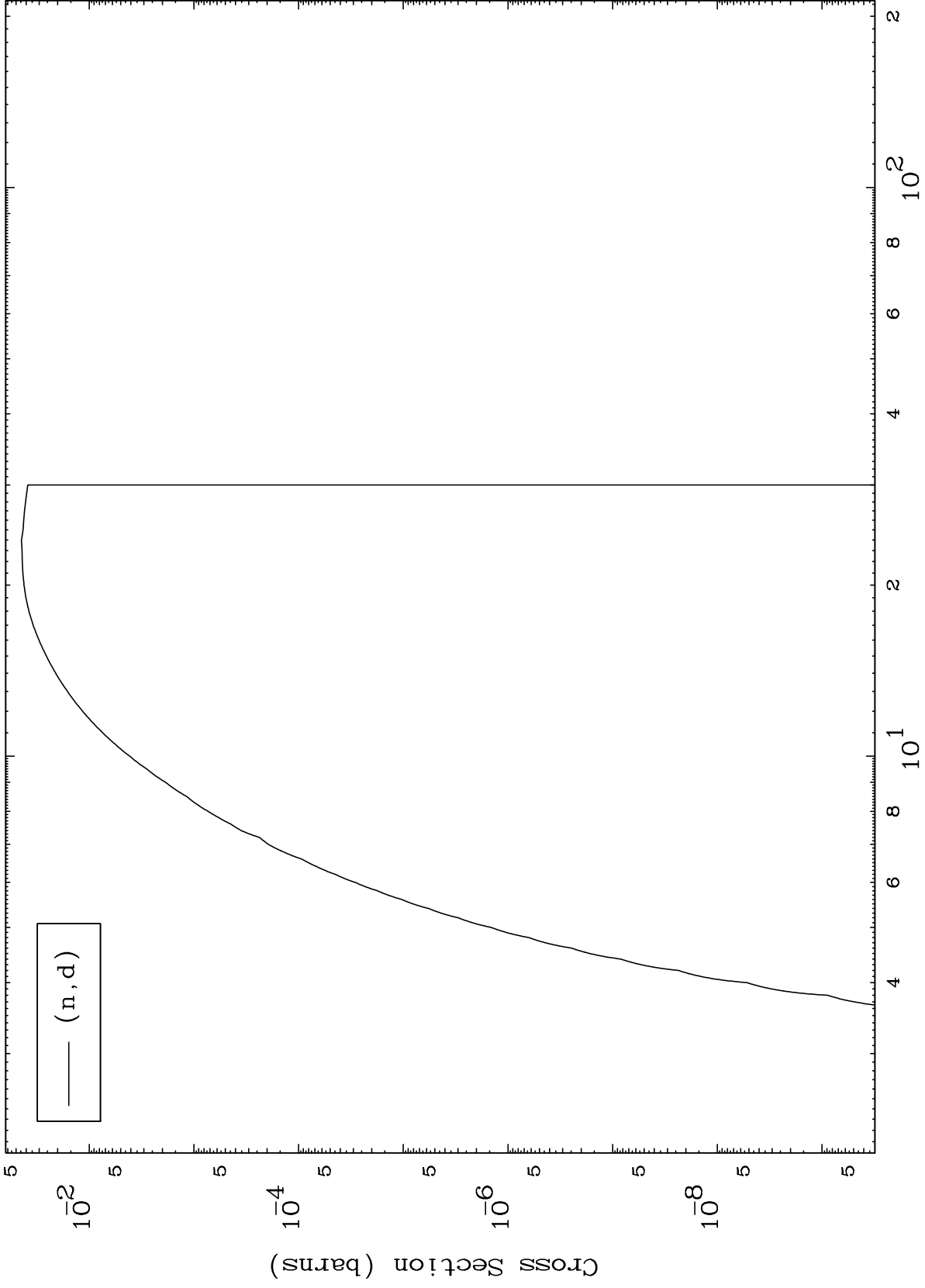
35-Br-74



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(n,d) Levels
293 Kelvin Cross Sections

35-Br-74



12

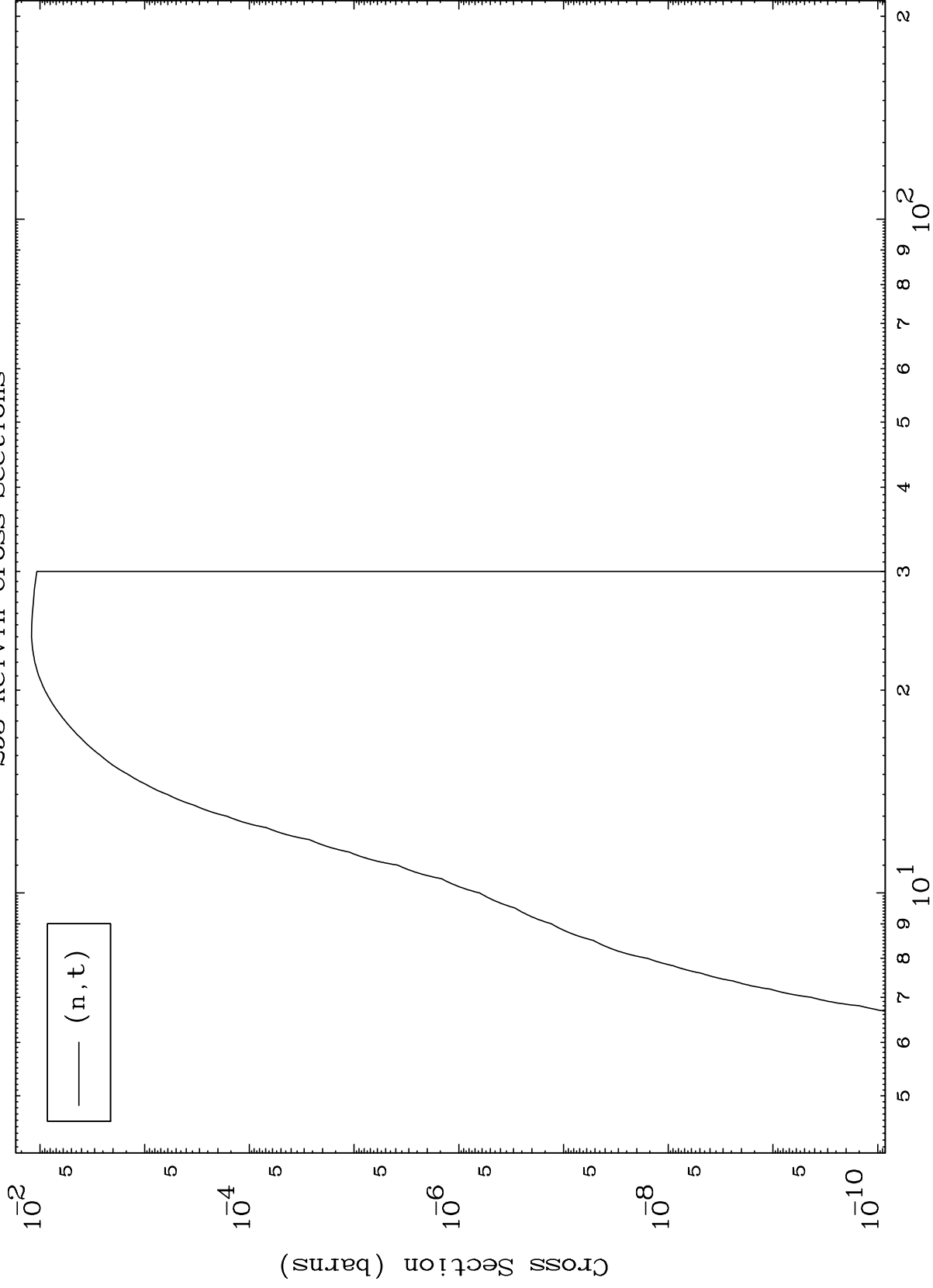
Incident Energy (MeV)

35-Br-74

MAT 3511

(n,t) Levels
293 Kelvin Cross Sections

35-Br-74



13

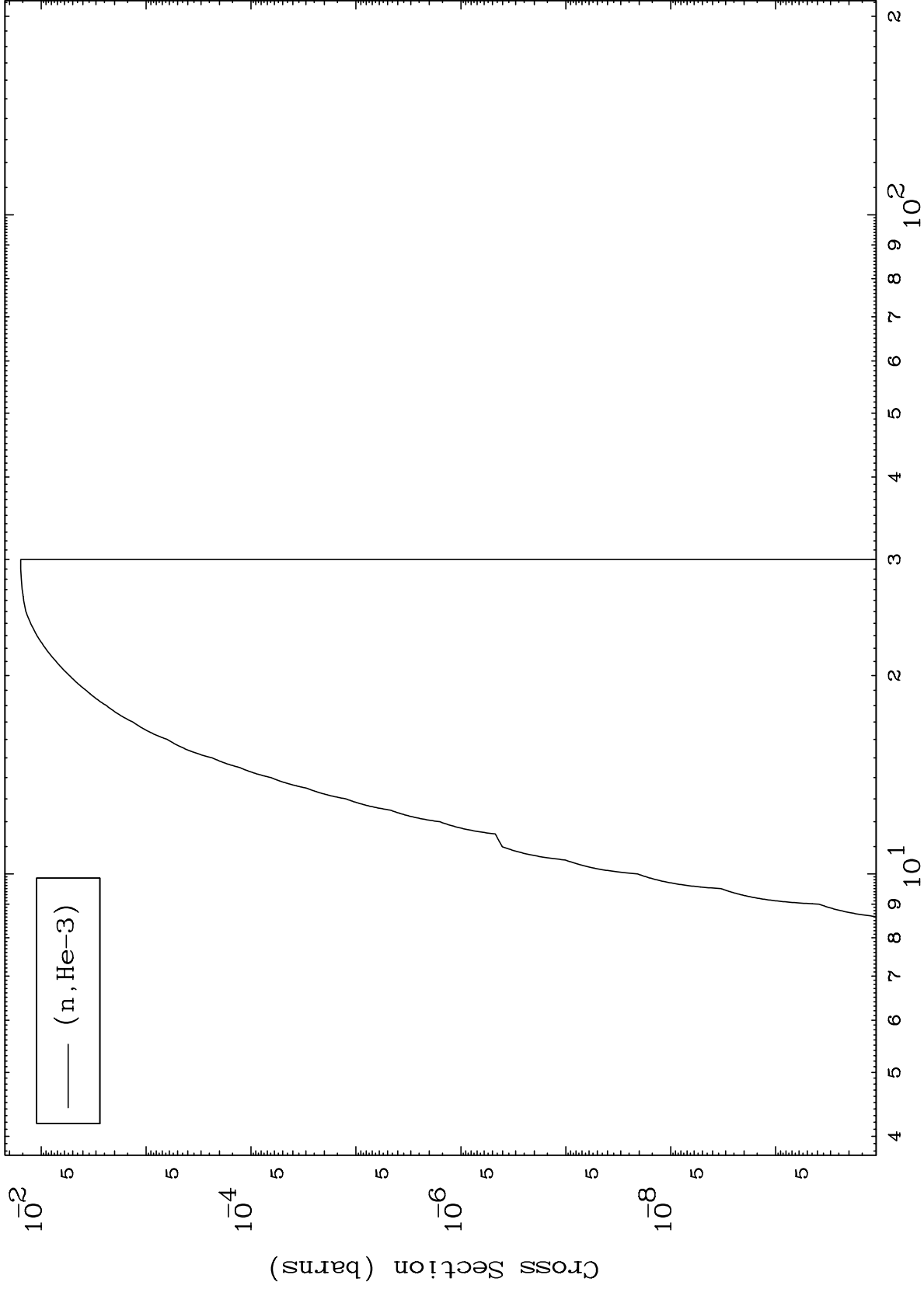
Incident Energy (MeV)

35-Br-74

MAT 3511

(n,He3) Levels
293 Kelvin Cross Sections

35-Br-74



14

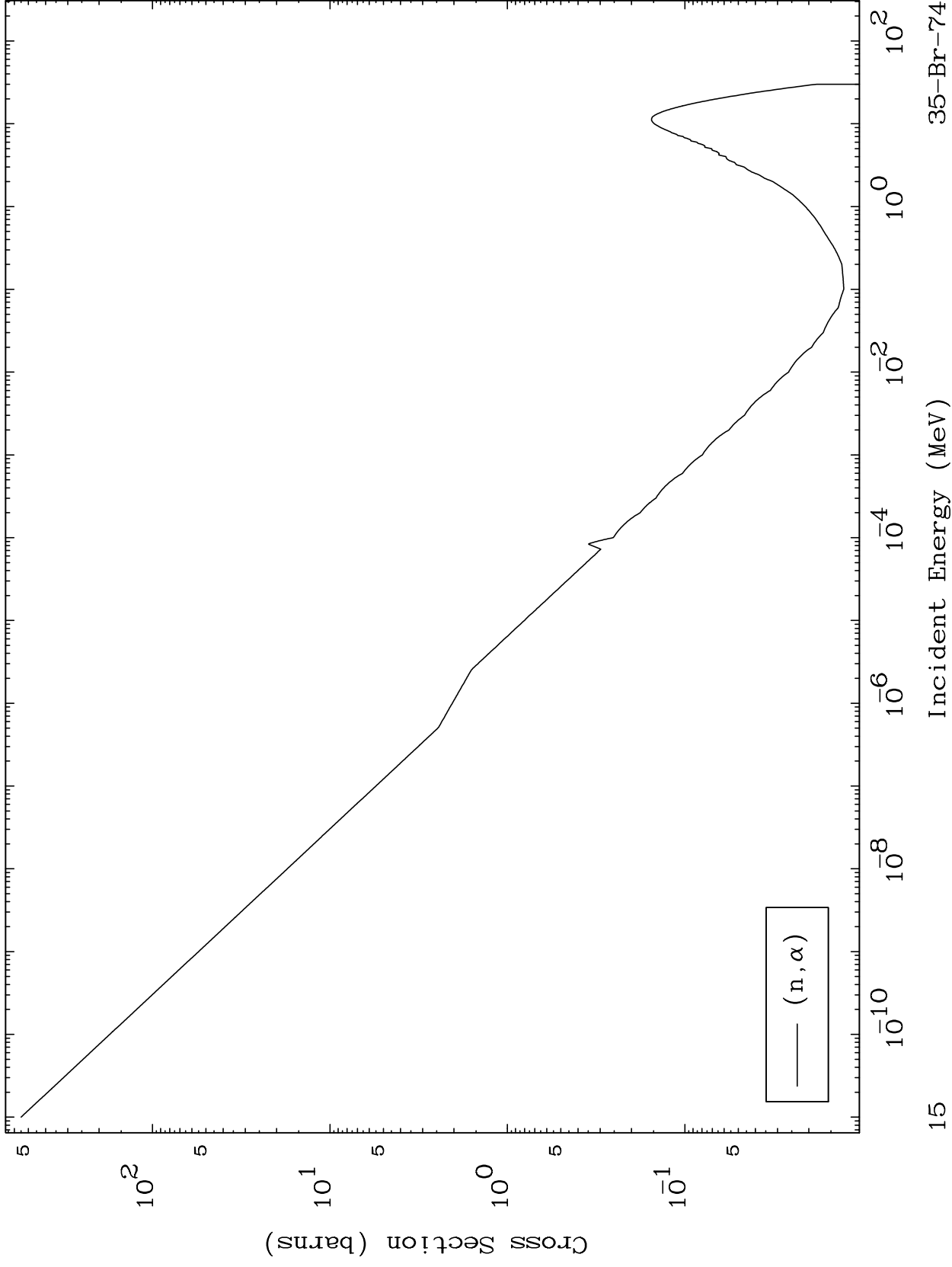
Incident Energy (MeV)

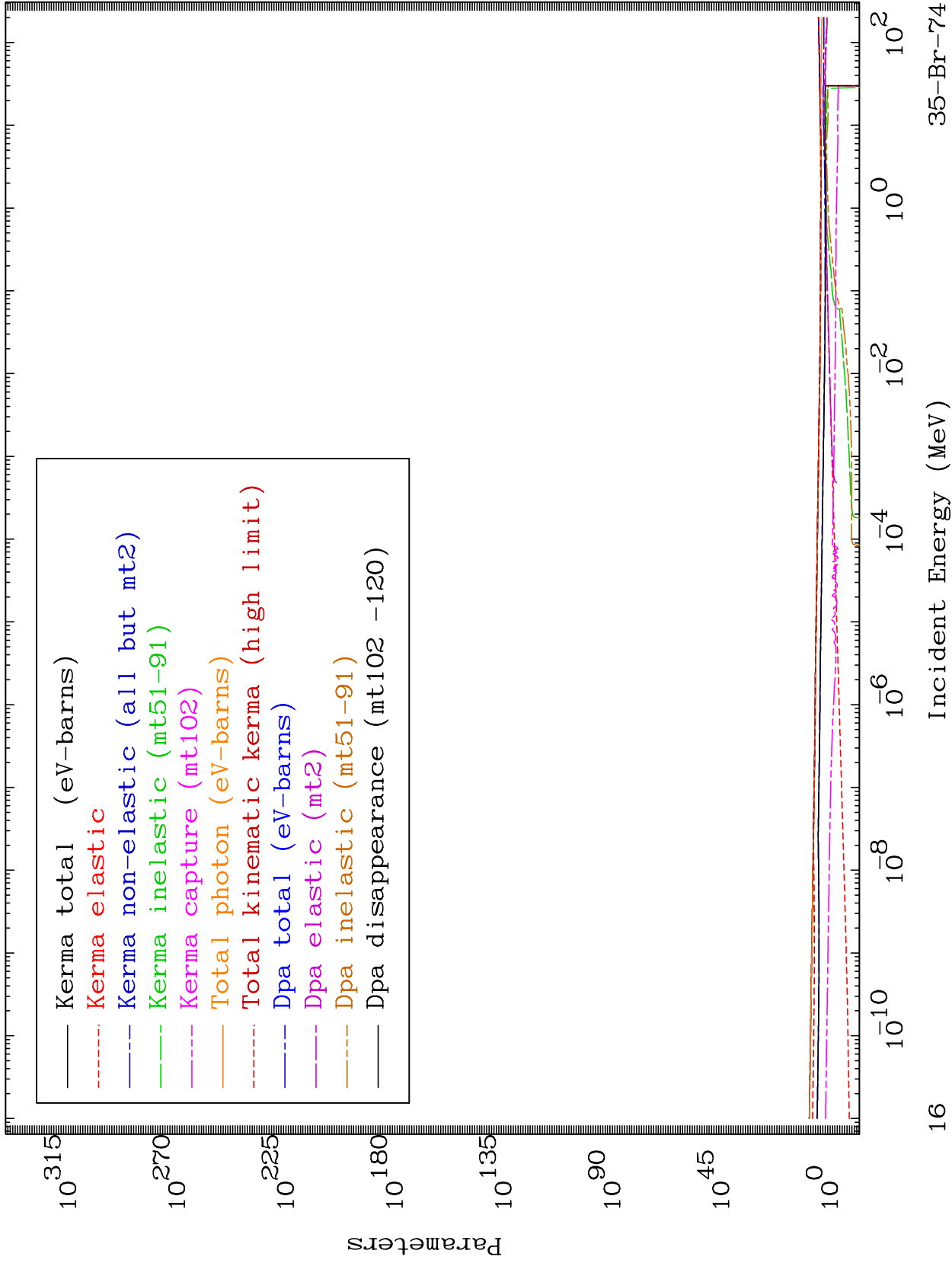
35-Br-74

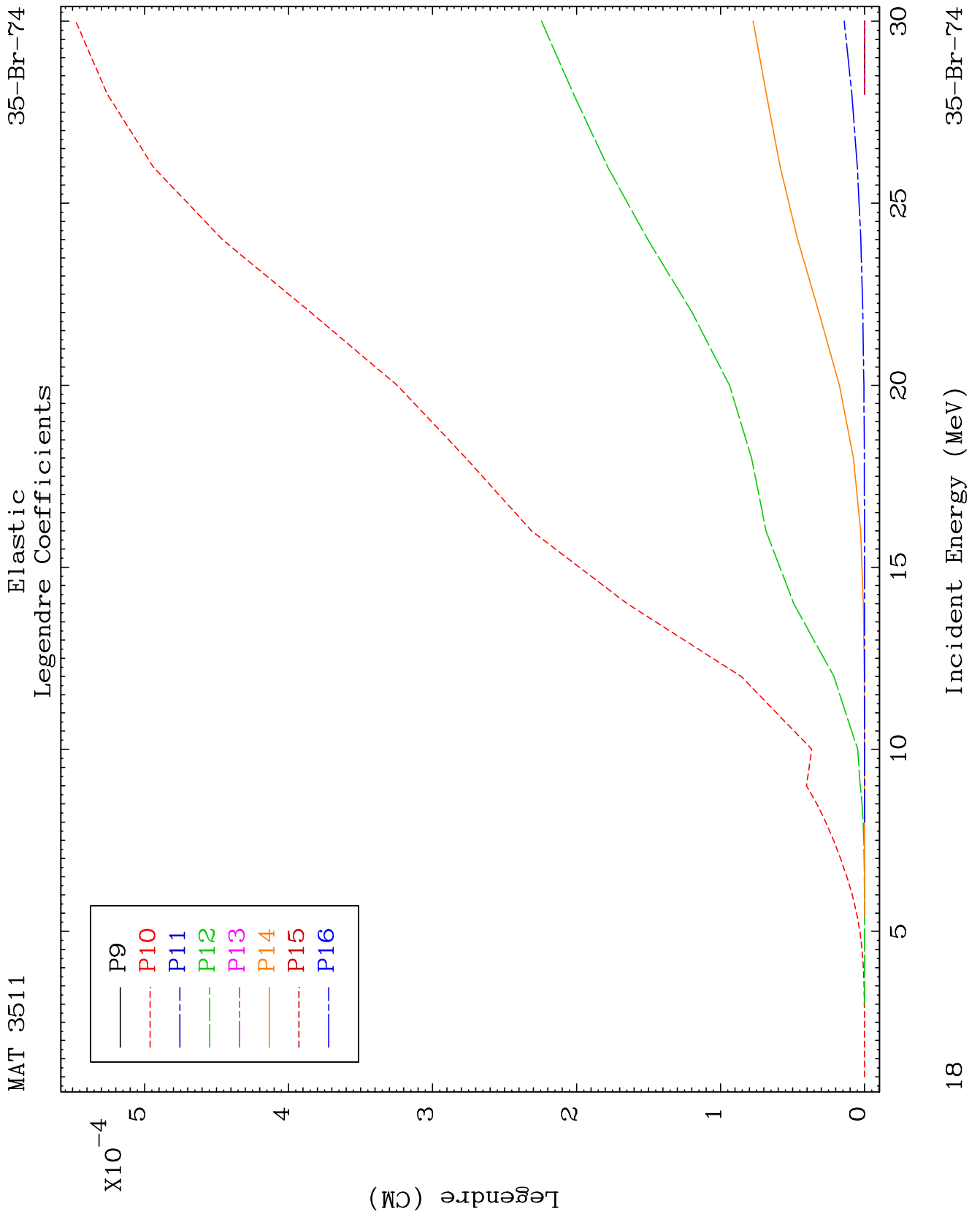
MAT 3511

(n,α) Levels
293 Kelvin Cross Sections

35-Br-74



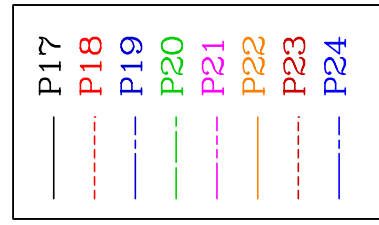




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Elastic Legendre Coefficients

35-Br-74



$\times 10^{-7}$

Legendre (CM)

8

6

4

2

0

15

20

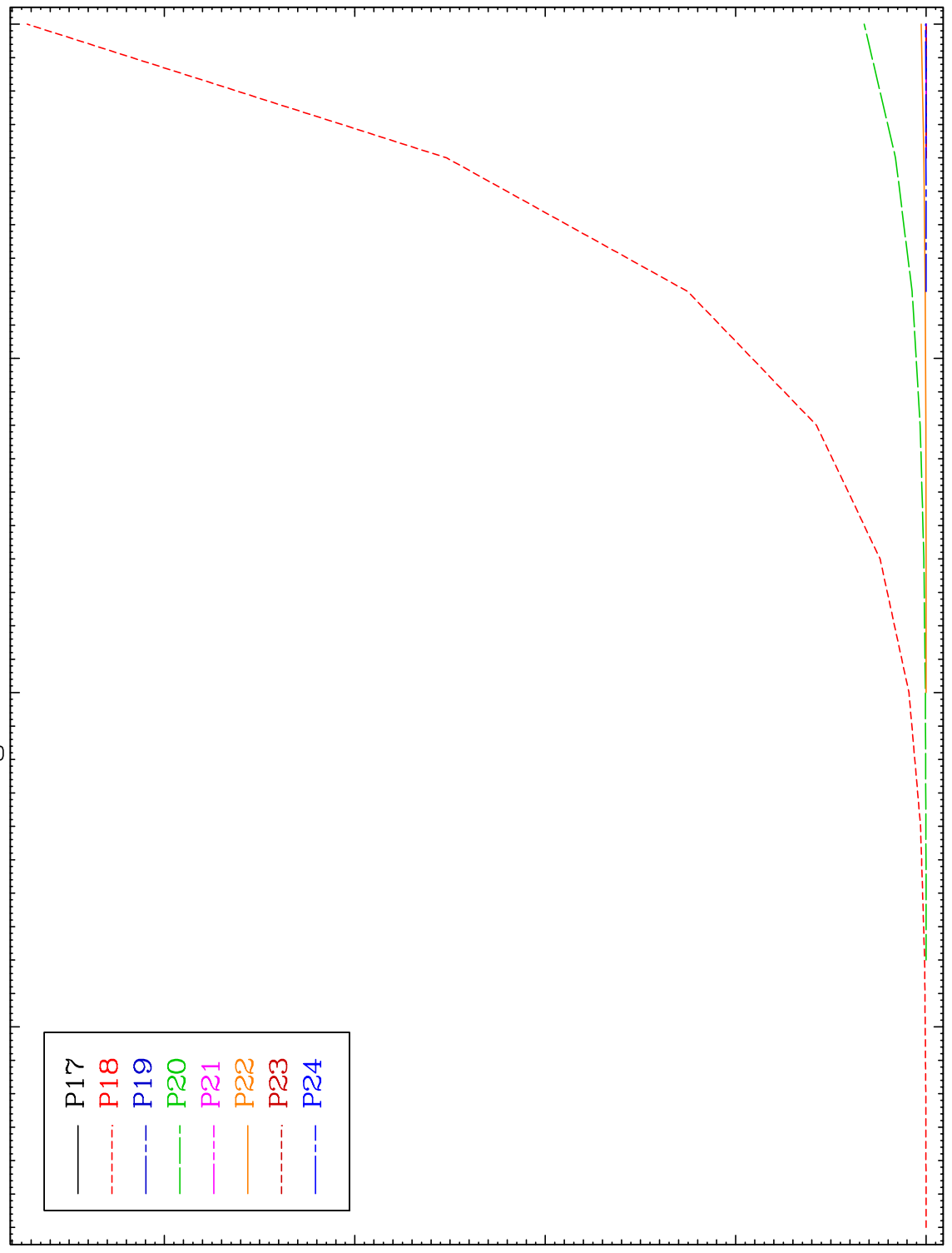
25

30

19

Incident Energy (MeV)

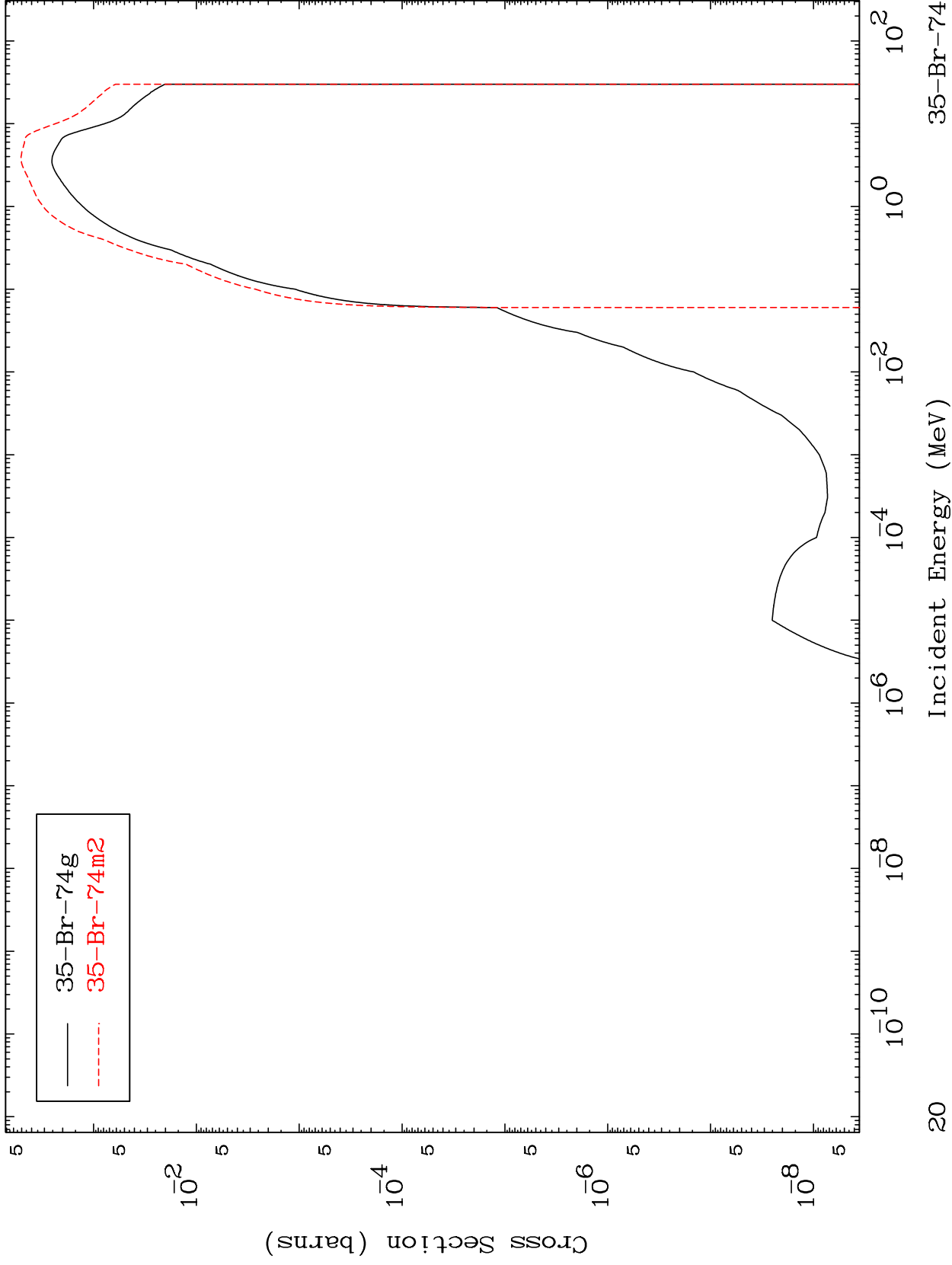
35-Br-74



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Inelastic
Radionuclide Production Cross Section

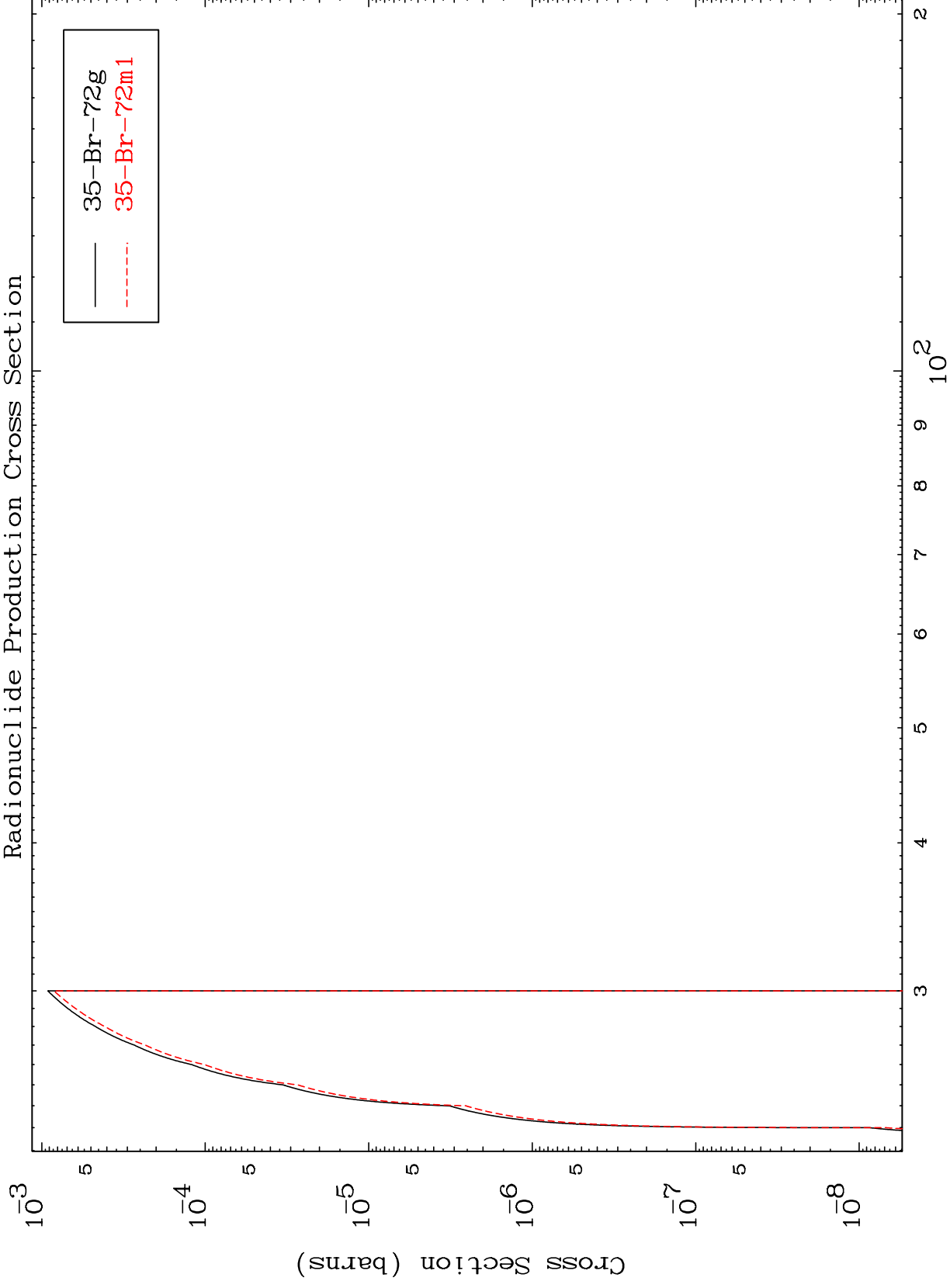
³⁵Br-⁷⁴



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³⁵Br-74

(n,3n)
Radionuclide Production Cross Section



21

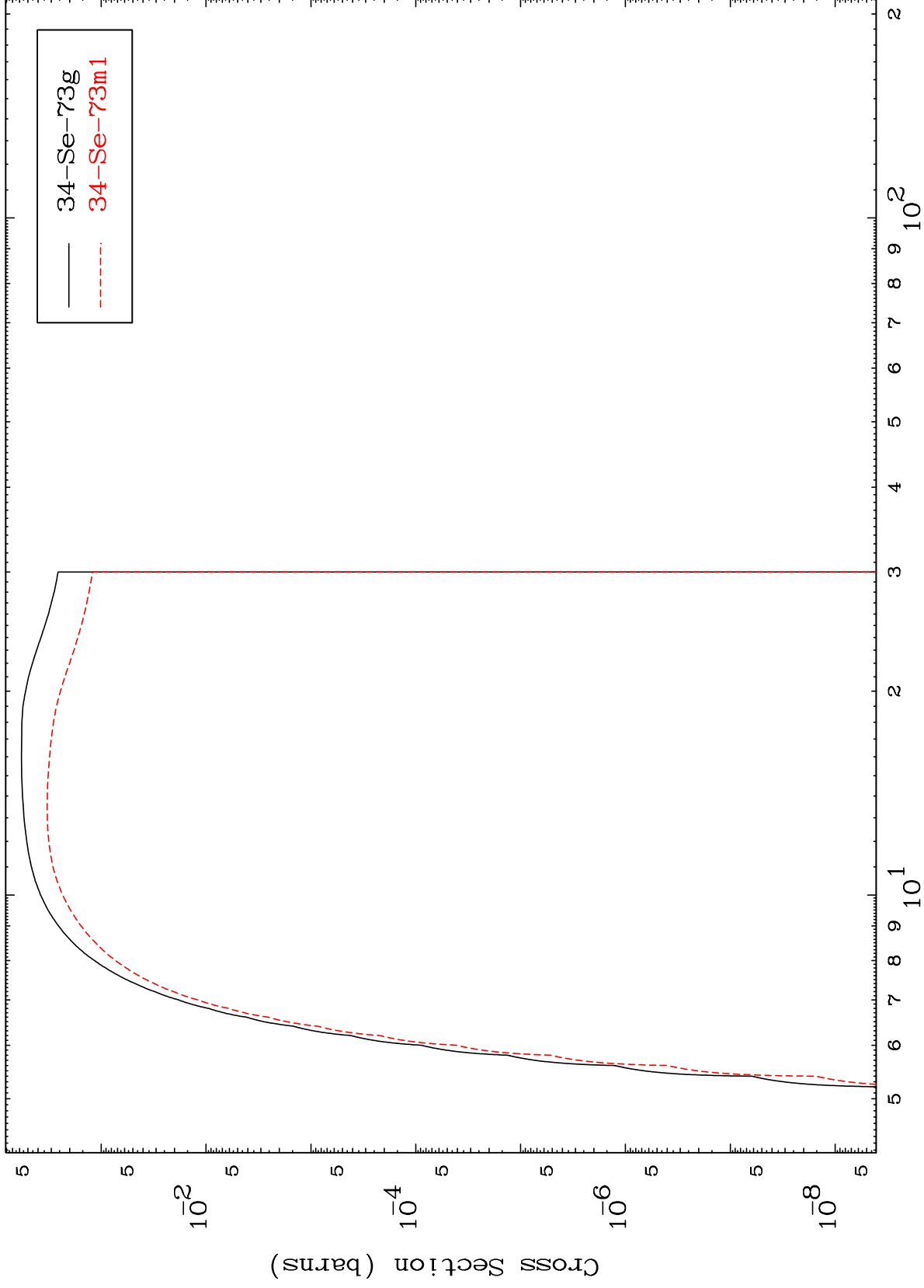
³⁵Br-74

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(n,n') p

35-Br-74

Radionuclide Production Cross Section



22

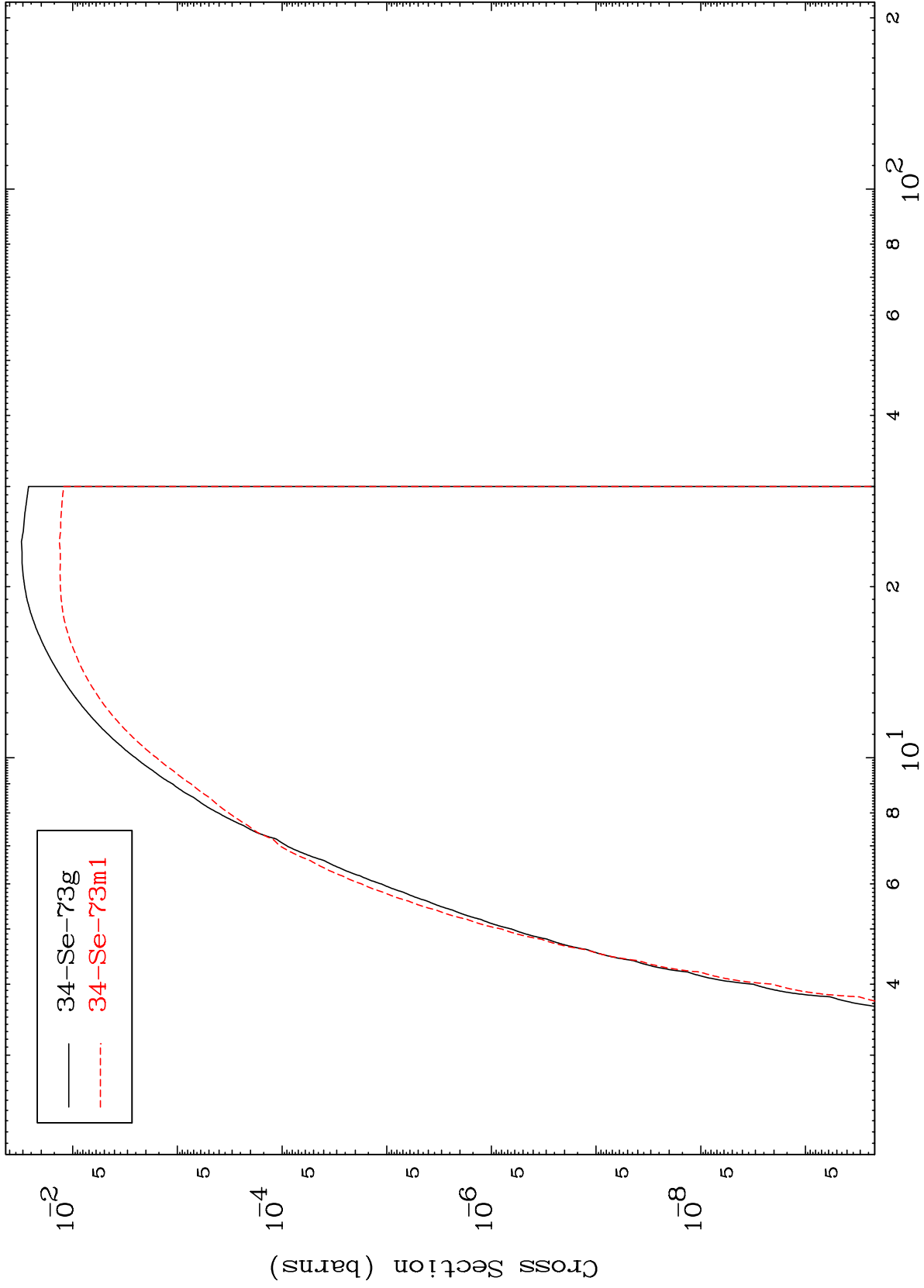
Incident Energy (MeV)

35-Br-74

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³⁵Br-74

(n,d)
Radionuclide Production Cross Section



³⁵Br-74

Incident Energy (MeV)

23