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```
#ifndef _SquaredGaussian1D_H
#define _SquaredGaussian1D_H

#include "optype.h"
#include "var.h"

#define TYPEMOD SG1D

/*1D SquaredGaussian World*/
typedef struct TYPEMOD
{
    VAR T;
    VAR flat_flag;
    VAR a;
    VAR Sigma;
} TYPEMOD;

extern double MOD(GetYield)(TYPEMOD *pt);
extern char *MOD(GetCurve)(TYPEMOD *pt);

#endif
```