

```

// ===== Settings Header File (important variables) =====
//
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// Modified by Darren Holland 2020-11-02
// =====
//
// This file initiates the settings needed for the Geant geometry creation and
// subsequent analysis
// =====
//
#ifndef Settings_h
#define Settings_h
#include <vector>
// =====
//
namespace Settings
{
    // ===== Important Parameters:(Length(cm), Energy(MeV)
    extern const int RSMTet;           // RSM Tet or Tess
    extern std::string fname_nodes;    // Mask nodes filename
    extern std::string fname_ele;      // Mask element filename
    extern std::string fname_out;      // Output filename
    extern const int nParts2Run;        // Number of Particles
    extern std::string SourceEnergyType; // Source Energy Type
    extern std::string PartType;        // Particle Type
    extern const int SourceDiv;         // Source position sub-divisions
    extern const double SourceDist;     // Source Distance
    extern const double coneangle;      // Cone Angle
    extern const int numEnergies;       // Number of Energies (remove)
    extern const double energiesMeV;    // Energy in MeV
    extern const double deltatheta;     // Theta increment
    extern const double deltaphi;       // Phi increment
    extern const double DetRad;         // Detector radius
    extern const double DetHeight;      // Detector half height
    extern const double SleeveOuterRad; // Sleeve radius
    extern const double SleeveHeight;   // Top of sleeve (extends past detector)
    extern const double SleeveBottom;   // Total length of sleeve
    extern const double StartPhi;       // Initial source angle
    extern const double EndPhi;         // Final source angle
}
#endif

```