

Philosophy, Principle, and Method for the CombLayer: Day Four

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Sources are the worst part of MCNP.

- Source are pre-code and then done by keyname type
- Main area is in SourceSelector
- There are a FEW generic sources

Example:

```
1 |  
2 | ./ess -r --sdefType help AA  
3 | ./ess -r --sdefType Beam Mybox back AA
```

- Other items are by variable
- Radius :: Radius of beam size
- ASread :: Angular spread
- particleType :: particle

Energy is slightly more complex

- Energy can be a list or a value
- If a list an EProb card can be gives

Example:

```
5 |  
6 | ./ess -r --sdefType Beam Mybox back \  
7 |   -v Energy '1e-9 50log 1e9'  
8 |   -v EProb '0.1 50i 0.9' \  
9 |   AA  
10 | ./ess -r --sdefType Beam Mybox back \  
11 |   -v EFile 'InputSpectrum.txt'  
12 |   AA
```