

Write your own McStas component

Aim:

- Write a component that models a semi-permeable mirror. i.e. a mirror with reflectivity < 1, which also uses focused sampling.

Hints:

- Step by step instructions in README on github / 5_Friday
- Start with an **Arm** – it has most of the McStas structure present already.
- Focused sampling is governed by:

$$\pi_i = \frac{P}{f_{mc}};$$

π_i : weight multiplier

P : physical probability

f_{mc} : Monte Carlo probability