



EUROPEAN
SPALLATION
SOURCE



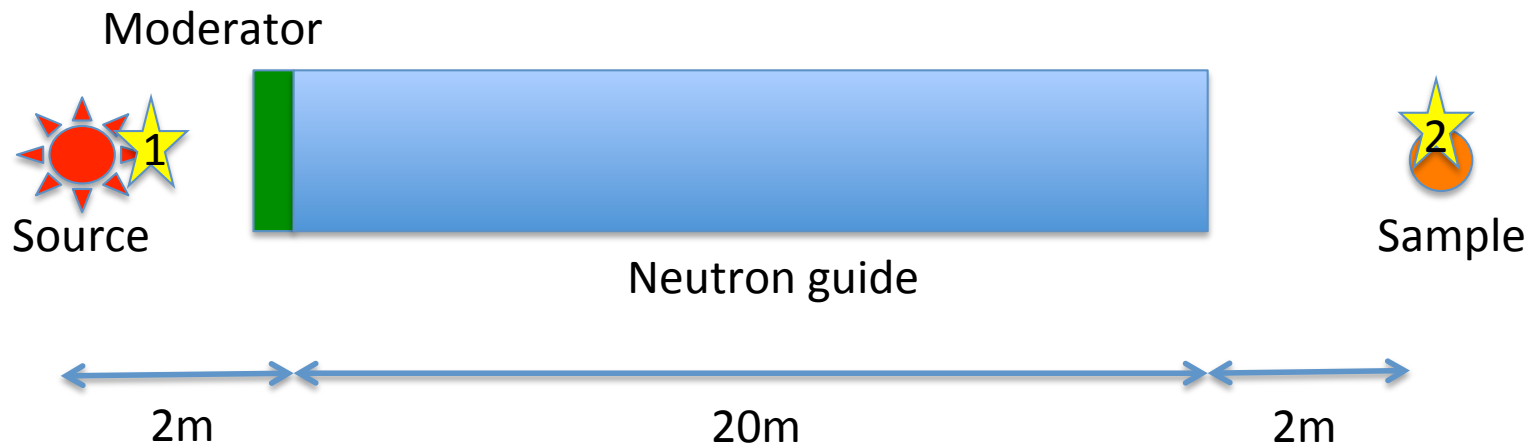
Moderator optimization for FP



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ESS | Pancake moderator optimization for FP | 2014 | Camille Theroine

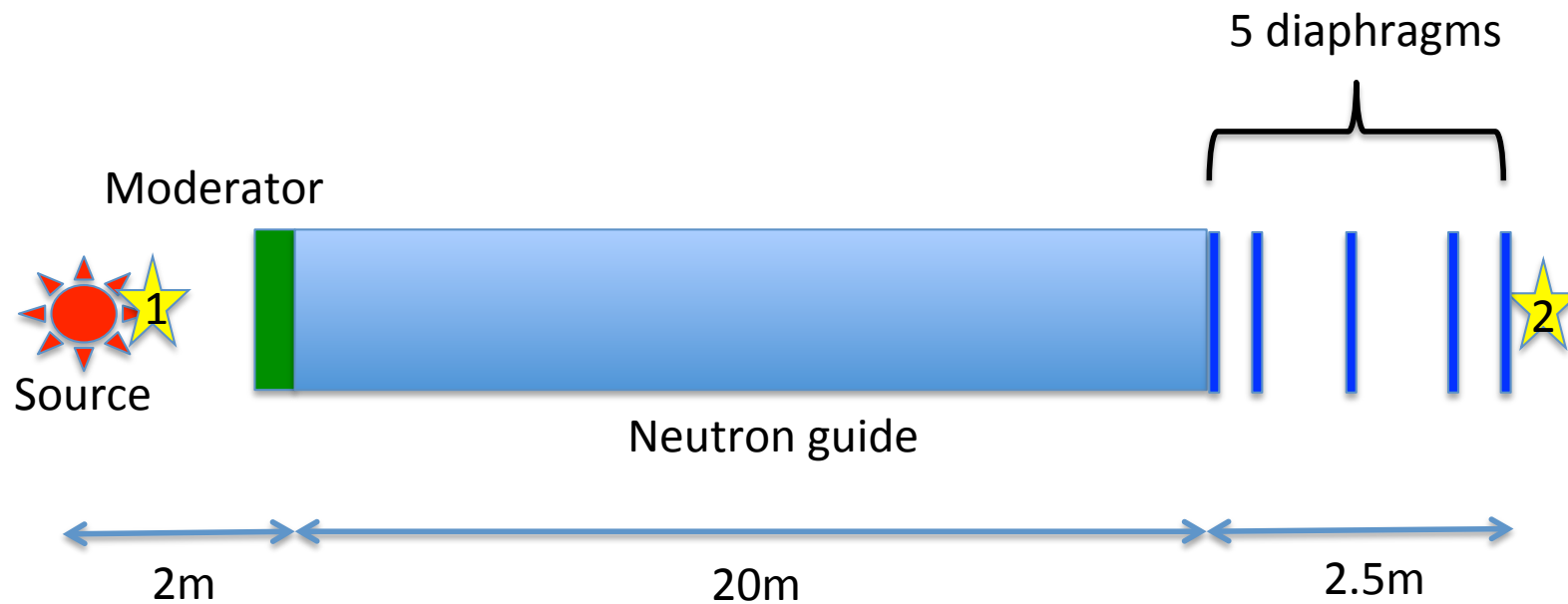
Simulated setup with McStas (1)



Monitor position

For an NPD γ experiment for instance

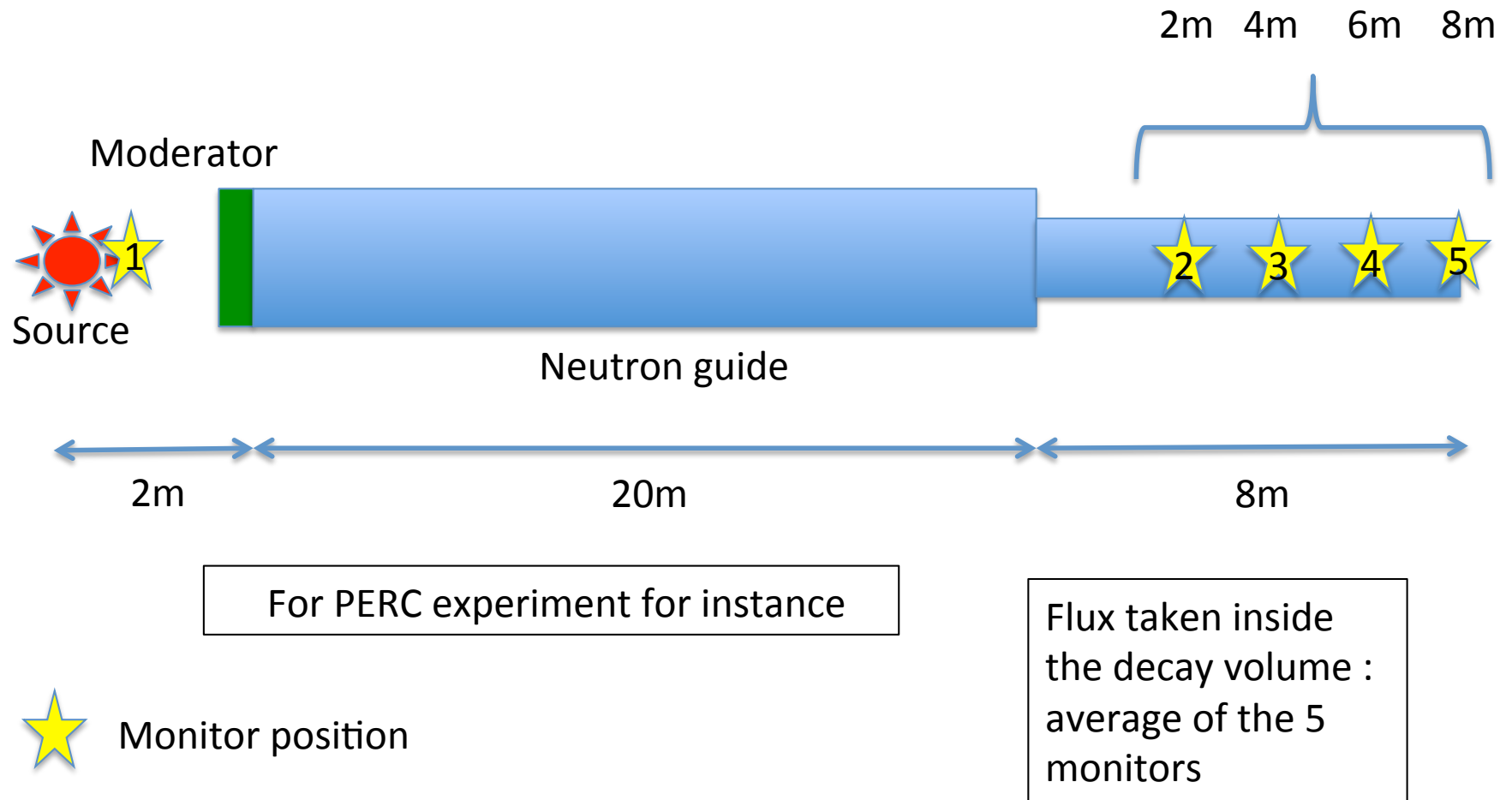
Simulated setup with McStas (2)



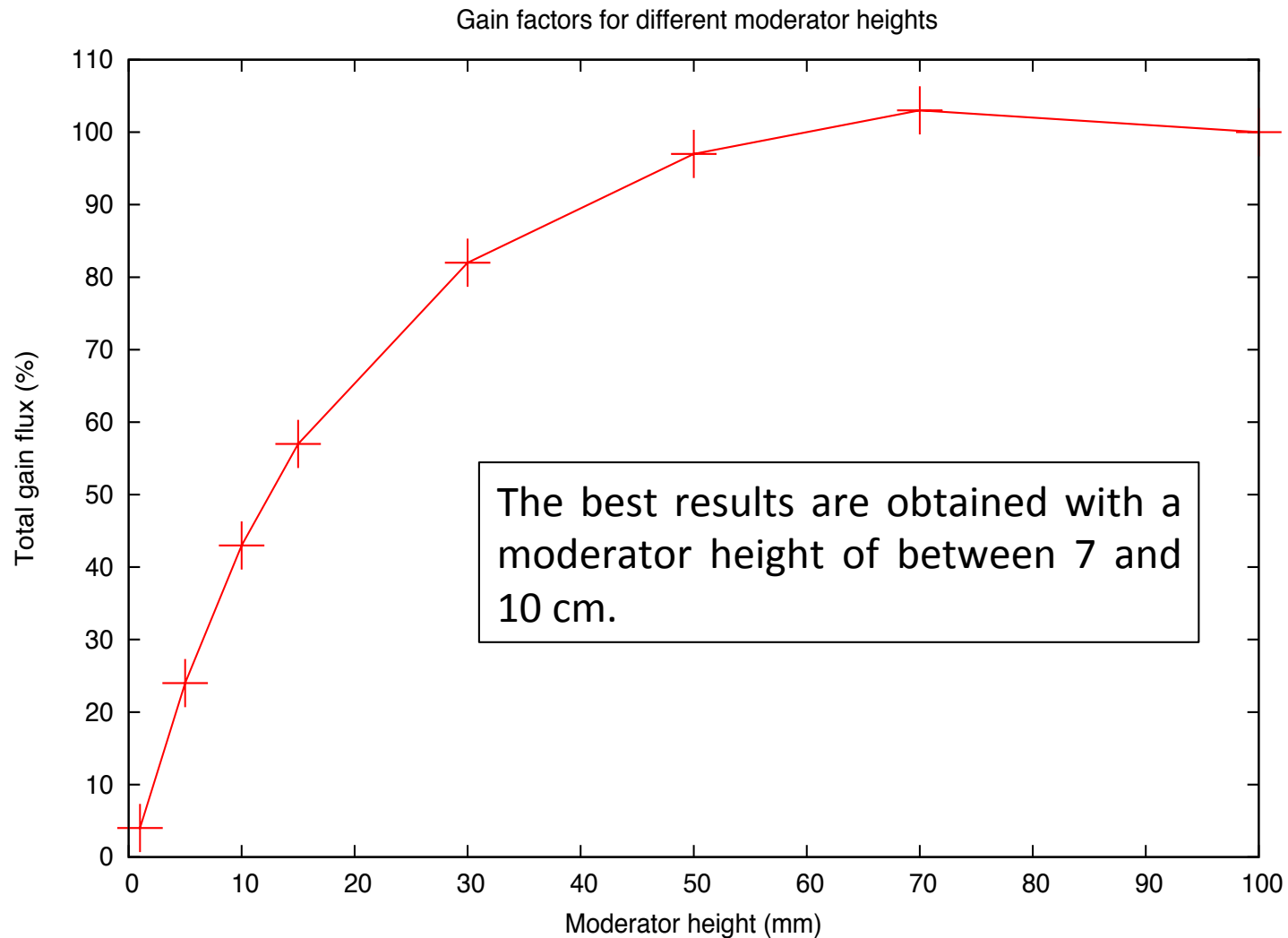
For aSPECT experiment for instance

 Monitor position

Simulated setup with McStas (3)



Simulations results



The weighting takes into account both the spectral distribution and the importance of the various wavelengths for the specific experiments.

The FoM curve combines 3 cases. equal weighting was used here.