



A General Monte Carlo N-Particle (MCNP) Transport Code

Introduction to MCNP6

15-19 June 2020

Class length: 5 days of instruction

Time: 10:00 Monday to noon Friday

Place: NEA, Boulogne-Billancourt (Paris), France

Number accepted in class: 18

Minimum enrolment required: 8

This 5-day introductory class is designed for people who have never used MCNP6 or have very limited experience with the code and will include interactive computer sessions. Time will be available to discuss individual questions and problems with MCNP experts or to pursue in more detail topics mentioned in the talks.

Topics to be covered include:

- New features in MCNP6
- Basic geometry and advanced geometry
- Source definitions
- Tallies
- Data
- Variance reduction
- Statistical analysis
- Criticality
- Plotting of geometry and tallies
- Neutron/photon/electron physics

You are expected to have little or no experience with MCNP.

The class will be based on the latest release of MCNP6 code. **You should hold a licence for the export controlled MCNP6.2 software.** The only distribution centre for this software is RSICC, please request your licence at <https://rsicc.ornl.gov/>

Address all correspondence regarding this class to programs@oecd-nea.org