

March 6, 2019

Monte Carlo and Molecular Dynamics Tools, Spring 2019

Projects

- P1 Stellar populations within clusters
Melvyn B. Davies (MBD)
- P2 Monte Carlo simulation of a minimal model for protein fibril formation
Anders Irbäck (AI)
- P3 Monte Carlo simulation of photon interactions with matter
Michael Ljungberg (ML)
- P4 Write a parton shower
Leif Lönnblad (LL)
- P5 Molecular dynamics simulation of biomolecules
Ulf Ryde (UR)
- PF An extended project in one of the areas above.

Schedule

- **April 1–5: introductory lectures**
Mon 1: 10.15–12.00, lecture (LL)
Wed 3: 10.15–12.00, lecture (LL)
Thur 4: 10.15–12.00, lecture (AI)
Fri 5: 10.15–12.00, lecture (AI)
- **April 8–12: project P1**
Mon 8: 13.15–15.00, lecture (MBD)
Tue 9: 13.15–15.00, lecture (MBD)
Fri 12: 17.00, deadline P1 report
- **April 15–26: project P2**
Mon 15: 13.15–15.00, lecture (AI)
Tue 16: 13.15–15.00, lecture (AI)
Fri 26: 17.00, deadline P2 report
- **April 29–May 3: project P3**
Mon, April 29: 10.15–12.00, lecture (ML)
Tue, April 30: 10.15–12.00, lecture (ML)
Fri, May 3: 17.00, deadline P3 report

- **May 6–11: project P4**
Mon 6: 13.15–15.00, lecture (LL)
Tue 7: 13.15–15.00, lecture (LL)
Fri 11: 17.00, deadline P4 report

- **May 13–17: project P5**
Mon 13: 13.15–15.00, lecture (UR)
Tue 14: 13.15–15.00, lecture (UR)
Fri 17: 17.00, deadline P5 report

- **May 20–June 5: project PF**
Mon, May 20: 13.15–15.00, start of project
Wed, June 5: 10.15–16.00, oral presentations

All lectures are in room Cassiopeia (Astronomy).

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