

Meeting to discuss techniques for calculation of the Muon Site

12:30pm, 20th April, 2012

CR12 and 13, Rutherford Appleton Laboratory

- 12:30 Buffet Lunch (conference room)
- 13:25 Welcome
- 13:30 Presentations (each ~10 minutes + 5 minutes questions)
- Development of a package program to estimate muon positions on the basis of international collaborations with Asian counties* (Isao Watanabe)
- Re-calculation of the muon site in La_2CuO_4 from both view points of magnetic fields and electric potential* (Budi Adiperdana)
- MuSR 2.0: a new dimension for implanted muons* (Roberto de Renzi)
- Muon site search: a DFT approach* (Fabio Bernardini)
- Muon sites via Bayesian inference* (Steve Blundell)
- Ab initio calculations of muon states in condensed matter: introduction and practical examples* (Johannes Moeller)
- DFT and hybrid-functional calculations of interstitial hydrogen states in cubic yttria-stabilized zirconia* (Apostolos Marinopoulos)
- DipoleCalc and MusrGaussian: tools for local moment magnetism and ALC spectroscopy* (Francis Pratt)
- 15:30 Coffee
- 16:00 Discussion
- 17:00 Meeting close