

PREFACE

The twenty-second Lake Louise Winter Institute, entitled “Fundamental Interactions”, was held from February 19-24, 2007, at the Chateau Lake Louise, situated in the scenic Canadian Rockies.

The pedagogical talks focussed on the physics and development of the ILC, the detector systems at the LHC due to open early in 2008, LHC physics and cosmology, the important topic of nuclear astrophysics including its importance and opportunities and detection of Dark Matter. These talks were supplemented by contributions that included results from Tevatron, CLEO, B-factories, nuclear astrophysics and physics at SNOLAB among other contributions. There were numerous contributions that presented the possible results from the LHC when it is turned on. The combination of pedagogical and contributed talks provided an overall view of the recent developments and the future possibilities.

We wish to thank Lee Grimard for an outstanding job in taking care of details, large and small, so that the participants and the organisers could devote their full effort and attention to the program.

Finally, we wish to thank the Dean of Science, and the University Conference fund at University of Alberta for financial support. Generous support from TRIUMF and Institute of Particle Physics is acknowledged. It is a pleasure to thank Theoretical Physics Institute and the Physics Department for infrastructure support that makes the task of organising this conference much easier.

Organizing Committee
A Astbury
F.C. Khanna
R. Moore