



Preparatory SERC School in Theoretical High Energy Physics, 2015
Department of Physics
Indian Institute of Science Education and Research Bhopal
Application Form

Note : (a) All the fields are necessary. Incomplete application form will not be considered. ***Please do not change the format of the form while filling up.*** (b) Type written forms are preferable. In case, you submit hand written form, please use capital letters to fill up the form. (c) **Last date of submission is April 13, 2015.** (d) **Email the filled up application form to serc15@iiserb.ac.in**

1 Personal Details

Name (Surname first)	
Date of birth (Year/Month/Day)	
Gender (Male/Female)	
Current Institute/ University	
Address for Correspondence	
e-mail id	
Mobile number	

2 Academic Background

	B.Sc./Equivalent	M.Sc./Equivalent
Year of passing		
College/ University		
Subjects taken		
% of marks with grade/ division		

3 PhD Related Information

Affiliation	
Area of research	
Supervisor(s)	
List of publication (if any)	
Outline of current research activities	

4 School Related Information

Details of SERC schools attended before (if any)	
Have you taken any of the courses to be taught at the school ?	
How do you think you will benefit from the school ?	

5 Prerequisites

In order to help us determine your level of preparedness and familiarity with the background material needed as prerequisites, please indicate (put a tick mark) if you have studied the following topics before.

Basic courses	Studied	Not studied
Linear algebra: basic group theory, vector space, matrices, determinants , Fourier transformation, differential equation		
Relativistic QM : i) Klein-Gordon eqn, ii) Dirac eqn, iii) Plane wave solution of Dirac eqn, iv) Solution of the Hydrogen atom		
Special theory of relativity : i) length contraction ii) time dilation iii) Lorentz transformations iv) Electrodynamics in tensor notation		

Date :

Name and Signature