東工大　基礎・物性物理学専攻「物理学リーダーシップ」

FGIP：Foreign Graduate Student Invitation Program

外国人博士課程大学院生の短期招待・共同研究

FGIP-Student Forum セミナー

馬 長利，王 健

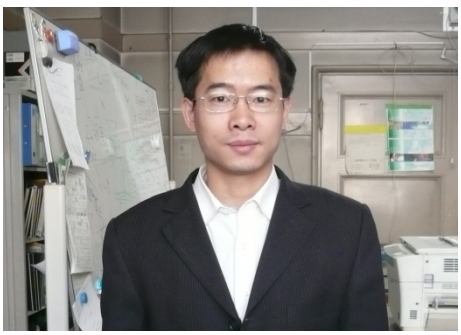
（ Graduate University of Chinese Academy of Science，中国 ）

日時：2010 年 1月25日（月） 15:30 ～ 16:40

場所：本館1階 H155B理学系セミナー室

Introduction of BES-III and Confirming X(1835)

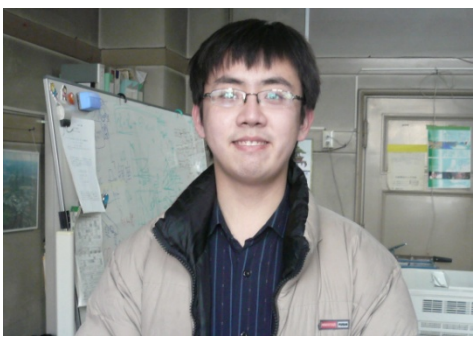
The *BES-III* experiment at *BEPC-II* in Beijing has started operation in summer 2008. It can accumulate huge data samples of 10×10^9 *J/*ψ, 3×10^9 ψ(2*S*) , 30 million $D\bar{D}$ or 2 million $D_S^+ D_S^-$ pairs per running year, respectively, running in the τ -charm threshold region. By now *BES-III* has accumulated about 200 million *J/*ψ and 100 million ψ*(2S)*. A resonance particle named X(1835), which was found by BES-II, has been confirmed by BES-III. This report will introduce *BES-III* and the confirmation of X(1835) in detail.



馬 長利 (Ma Chang li)

Experimental analysis of J/ψ pair production process at CMS of CERN-LHC

Color-octet mechanism is a central essence of non-relativistic QCD. However, color-octet mechanism is still a debatable issue in the theory up to now. Investigating charmonium production mechanism is now an urgent and important task in the study of quarkonium physics. J/ψpair production process is a good candidate for testing the contribution of color-octet mechanism to charmonium production. LHC supplies an excellent opportunity to realize it. Recent simulation and analysis results are presented, and analysis skills would be described. Finally recent status of LHC will be introduced.



王 健 (Wang Jian)

教員、修士課程大学院生の参加も歓迎します。

担当　小林慶鑑（内線2369）

FGIP-Guest student の滞在スケジュール

名前	大学	滞在期間	受入担当氏名
馬 長利 (Ma Chang li)	CAS （ 中国 ）	1/14 – 2/4	小林慶鑑
王 健　(Wang Jian)	CAS （ 中国 ）	1/14 – 2/4	小林慶鑑
A.G.Tuff	University of York （イギリス）	1/22 – 2/20	河田鷹介

http://www.phys.titech.ac.jp/leadership/fgip/

FGIP-Student Forum 事務局　小林慶鑑（内線2369）