



核物理与核技术国家重点实验室 内部简报

5 2009 12 2



重要事项

放射性核束物理研讨会在北京召开

2009 9 25 27

30 HIRFL-CSR
RIBLL RIBLL-2 CSRm
CSRe

欧洲核子中心大强子对撞机成功对撞 北大承建探测器运行正常

11 30 CERN
LHC
1.18TeV 7TeV
Tevatron 0.98TeV
LHC 2008 9 10
9 LHC
LHC 10 8 LHC
1.9 271 10 23
11 20 10
27 LHC
450GeV 23
2 ATLAS
7 CMS
CMS RPC
1998

The Peking University (China) in CMS



Representatives of PKU CMS at CERN

The Peking University (PKU) group has been a member of the CMS collaboration since 1996. Currently consisting of 3 professors, 3 engineers and technicians and about 10 PhD students, the group has been heavily involved in both hardware and physics analysis. As part of the RPC project, the group shares the work on the R&D, assembly and testing, installation and commissioning of the RPC detector for the CMS Muon Trigger System.

The RPC performance has been studied with cosmic ray data and the RPC seed reconstruction has also been developed by the group. In the CMS physics programme, the group's interests include the study of the production mechanism and polarization of heavy flavor quarkonium J/ψ and Upsilon in the high- p_T region, a feasibility study on the search for a SM Higgs Bosons in a close collaboration with the Fermi Lab and INFN, as well as Top Physics, forward Physics and b Physics.

REI

颜学庆获“第十届北京青年优秀科技论文”一等奖

“ ”

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35

45

48



陈佳洱院士、颜学庆副教授团队研究新进展

Phys. Rev. Lett. 103, 135001 (2009) “Self-organizing GeV nano-Coulomb collimated proton beam from laser foil interaction at $7 \times 10^{21} \text{ W/cm}^2$ ”

100GV/m

3

MeV

(Phys. Rev. Lett., 100, 135003 (2008), Phys. Rev. Lett. 102, 239502 (2009))

射频超导腔研制又获新进展

2008

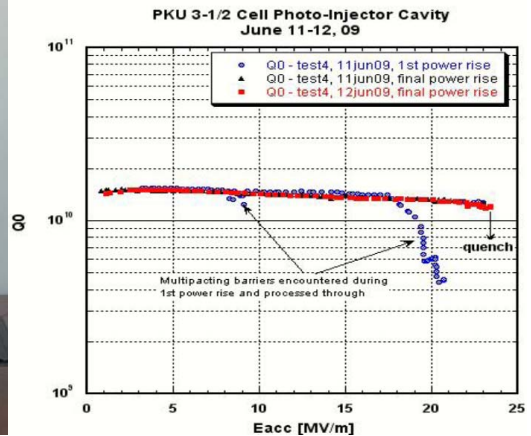
9-cell

3.5-cell

23.4MV/m

11MV/m

β




学生活动


王安筑教授“核能的开发与国际核战略”讲座

顺利结束

2009 10 28

408



访问日本理化所之行

——北大核物理基地本科生赴日本理化所交流

2009 9 28 10 9

Nishina School

Nishina School

7

RIKEN

RIKEN

Furakawa Melisa

Nishina School

RIKEN



图1 开幕式合影



图2 实验结束后的喜悦

14

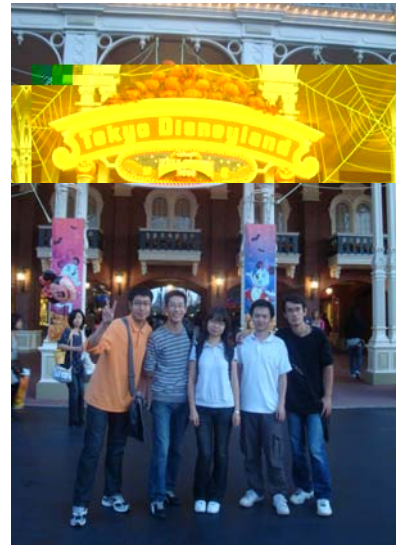


图3 游玩迪士尼

9 29

10 8