Heavy Ion Physics

Experiments Surve





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GSľ

Acceleraters - Labs : BNL



Experiments @ RHIC.BNL



HIM @ Chonnam Dec.2004



In-Kwon YOO

HIM @ Chon

LEIR: Low Energy Ion Ring CNGS: Cern Neutrinos to Gran Sasso

Rudolf LEY, PS Division, CERN, 02.09.96 Revised and adapted by Autonella Del Resso, EFT Div., in collaboration with B. Desforges, SL Div., and D. Manghutki, PS Div. CERN, 23.05.01

LHC-b

East Area

Experiments @ SPS.CERN





Acceleraters – Labs : GSI



Experiments @ SIS, FAIR.GSI



Possible experimental landscape



Check List for the HIM

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- What do we want to measure ? (Physics Motivation) : Theoretical Study
- ✓ How and where can we measure it ? (Realization) : Experimental Study
- ✓ Our Capability
 - Funding Request, Management (short term)
 - Manpower Education (long term)

\rightarrow They are only MATERIALs !

- Fundamental Structure (long term)
- Infra Structure bet. Working groups (upto us!)

→ We need the Construction !!!

- ✓ Reasonable time schedule
 - Experimental Phase
 - Time vs. Output
- ✓ Long-term Plan (Step-by-Step) ?
- ✓ For the next generation ? Accelerator Complex (20-30 Y) ?

HIM Outline (Suggestion)

Physics Motivation : Focused Session ✤ RHIC : PHENIX, STAR, FT-RHIC ✤ FAIR : CBM ✤ LHC : ALICE (m)KORAC : ? (())