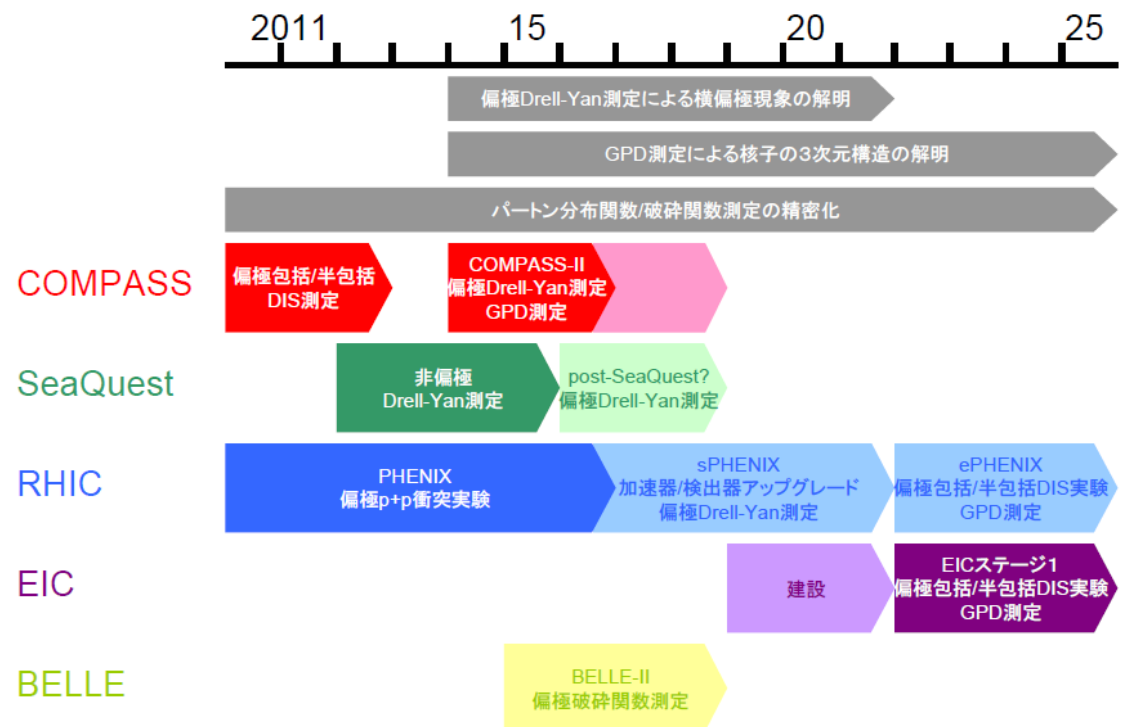


議論

- (偏極)核子構造の物理
 - J-PARC
 - BNL-RHIC (& EIC)
 - FNAL-MI (SeaQuest)
- 核子構造レポート
 - 今後の実験計画のタイムライン
 - 偏極Drell-Yan実験
 - GPD測定
- KEKロードマップ
- (学会会議マスタープラン)



(偏極)核子構造の物理@J-PARC

- J-PARC proposals
 - P04: measurement of high-mass dimuon production at the 50-GeV proton synchrotron
 - spokespersons: Jen-Chieh Peng (UIUC) and Shinya Sawadas (KEK)
 - including polarized physics program, but not discussed
 - “deferred”
 - P24: polarized proton acceleration at J-PARC
 - contact persons: Yuji Goto (RIKEN) and Hikaru Sato (KEK)
 - polarized Drell-Yan included as a physics case
 - “no decision”
 - Next proposal for the polarized physics program
 - not submitted yet

(偏極)核子構造の物理@FNAL-MI

- SeaQuest
 - (非偏極)Drell-Yan実験
 - 2012 commissioning run 終了
 - 2013-2015 physics run
- P1027 proposal
 - 偏極陽子加速@FNAL-MI
 - 偏極Drell-Yan実験
- 偏極標的実験

偏極核子構造の物理@BNL-RHIC (& EIC)

- 偏極Drell-Yan実験
 - Fixed-target Lol
 - Collider実験
 - Luminosity upgarde $\sim 10^{33}$ cm⁻²s⁻¹ with CeC
- EIC/eRHIC
 - GPD測定

(偏極)核子構造の物理@J-PARC

- 偏極Drell-Yan実験
 - 横偏極
 - TMD分布関数、Higher-twist分布関数測定
 - Sivers / B-M / Pretzelosity / ...
 - Transversity測定
 - Tensor charge
 - 縦偏極
 - $\Delta\bar{u}/\Delta\bar{d}$
 - $\Delta u/u$ at high-x
 - orbital angular momentum effect
 - A_{LT} 測定?
- π -induced & K-induced Drell-Yan実験
 - TDA測定

(偏極)核子構造の物理@J-PARC

- J/ψ
 - Polarization測定
 - Spin transfer測定
 - Difference from Drell-Yan
- Charm / bottom
 - D-meson asymmetry
 - Intrinsic charm
- Direct photon
 - Gluon分布、偏極
- $\pi / K / p / \Lambda / \dots$
- Elastic scattering
- pA physics ...