

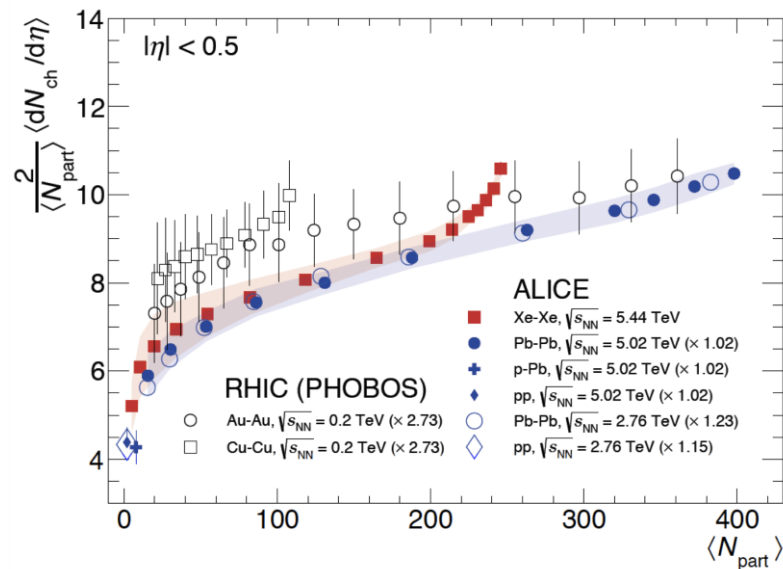
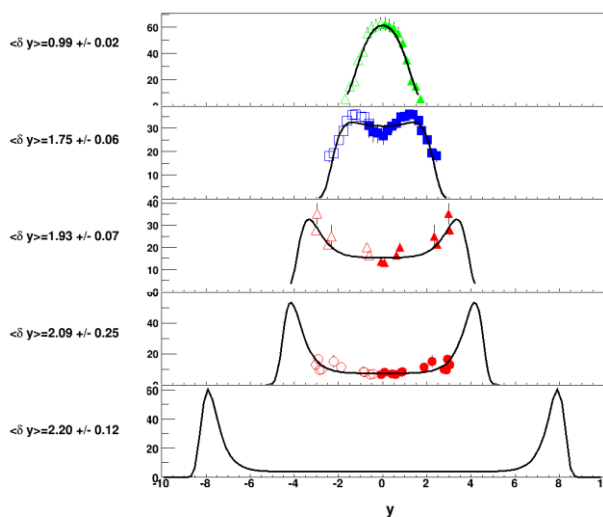
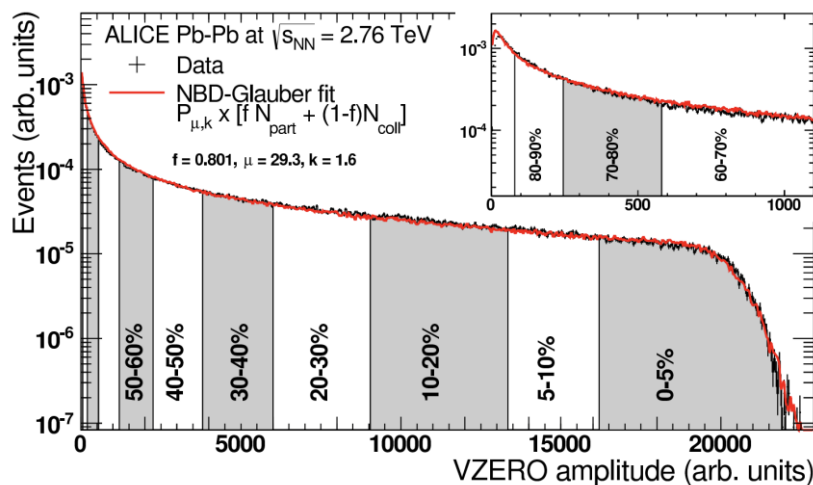
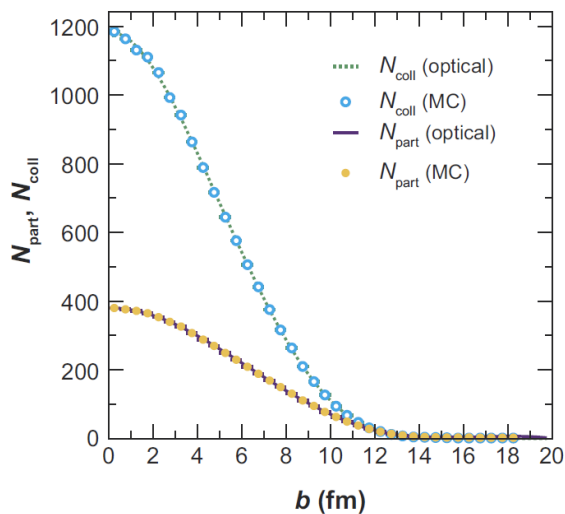
チュートリアル研究会
基礎セッション

講演内容

- ジオメトリ・グラウバー・基本変数
- 初期条件・CGC
- フリーズアウト
- 流体・フロー v_n
- ハドロン化(low pT, high pT)
- 格子QCD
- RAAとジェットクエンチング
- 重クォーク
- クォーコニウム
- 光子
- レプトン、カイラル対称性とハドロン媒質効果

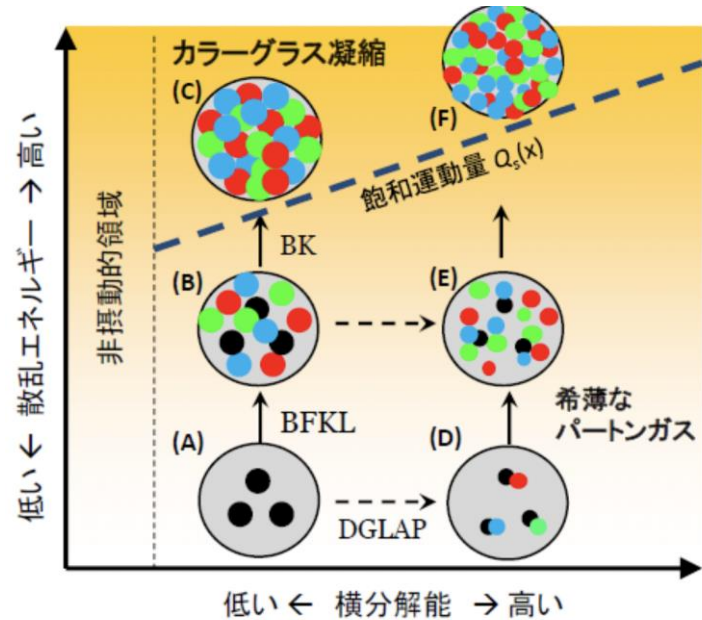
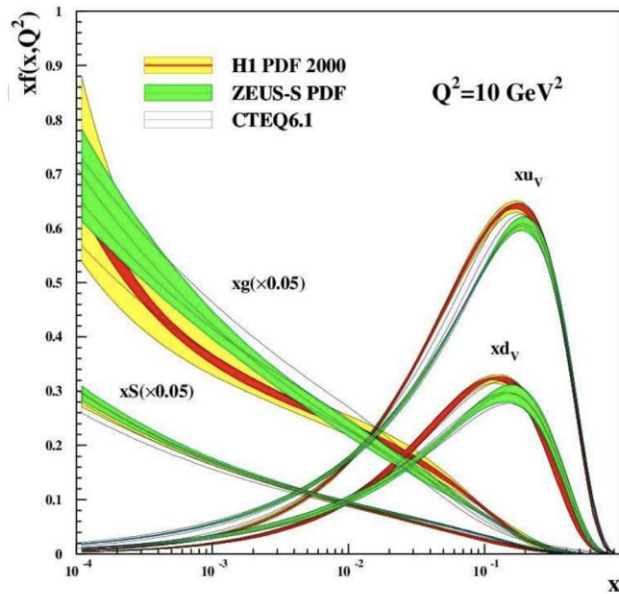
ジオメトリ・グラウバー・基本変数

- N_{part} , N_{coll} 、中心度、Multiplicity、バリオンストップピング

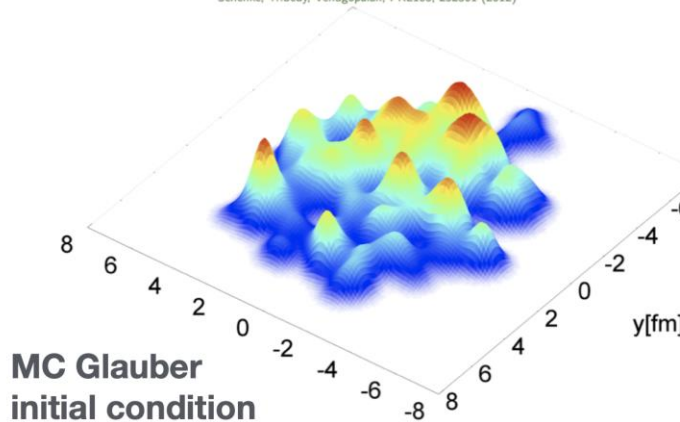


初期条件・CGC

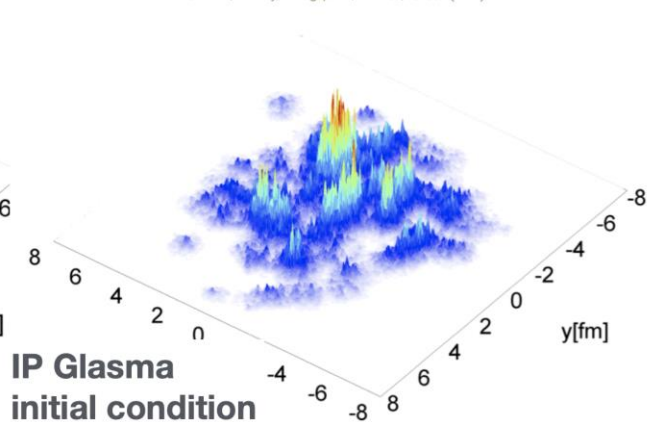
- パarton分布、グルーオン飽和、ゆらぎ



Schenke, Tribedy, Venugopalan, PRL108, 252301 (2012)

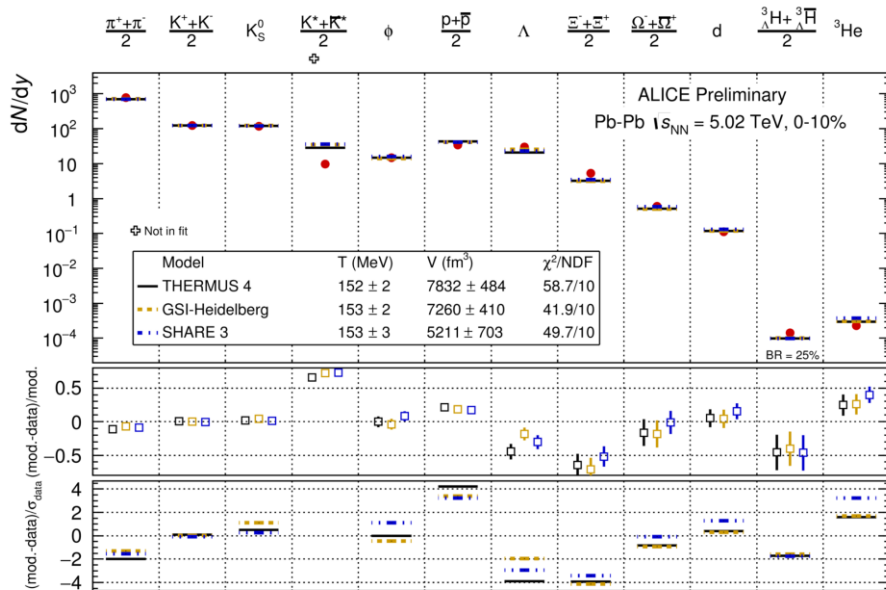


Schenke, Tribedy, Venugopalan, PRL108, 252301 (2012)

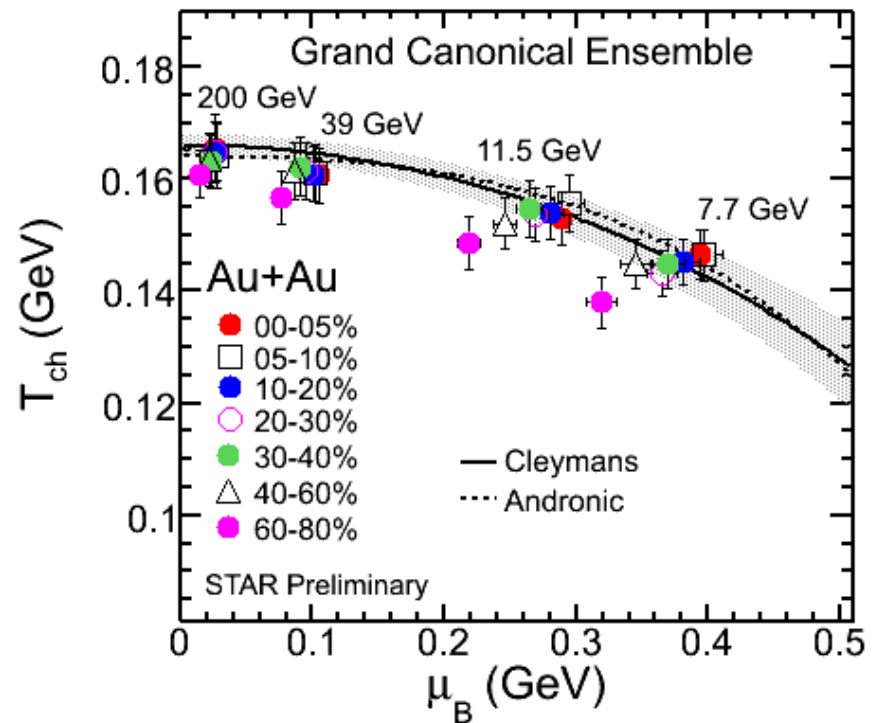
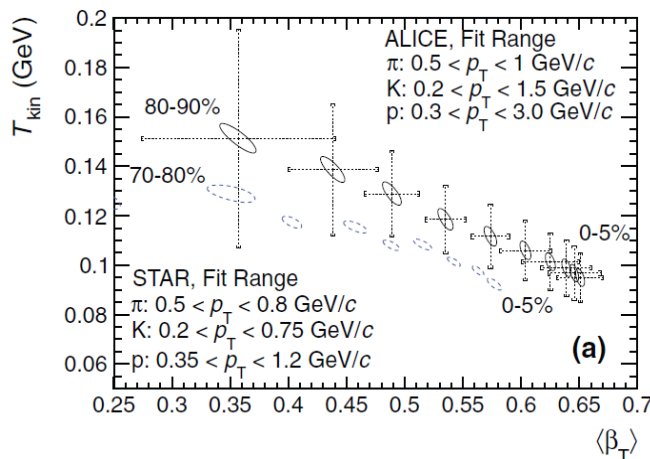


フリーズアウト

- 運動学的凍結(blast wave)と化学凍結

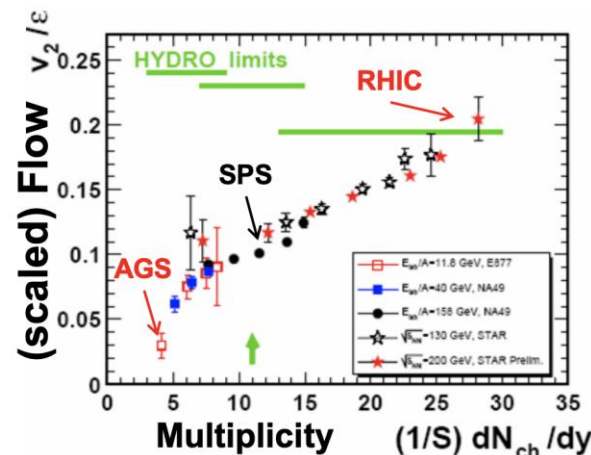
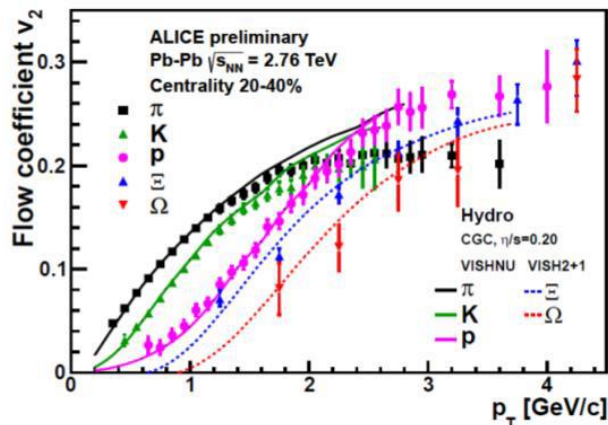
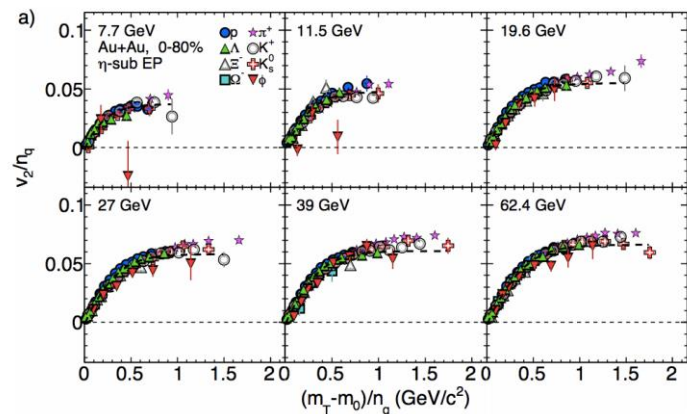
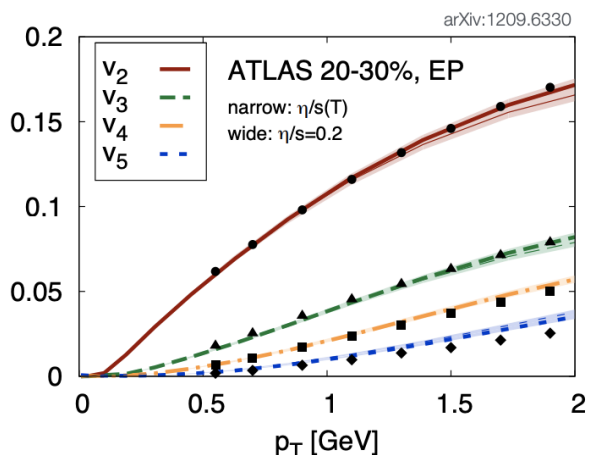
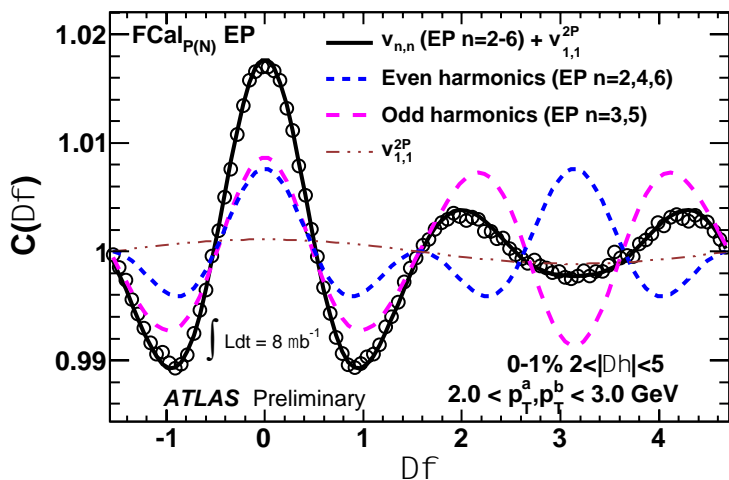
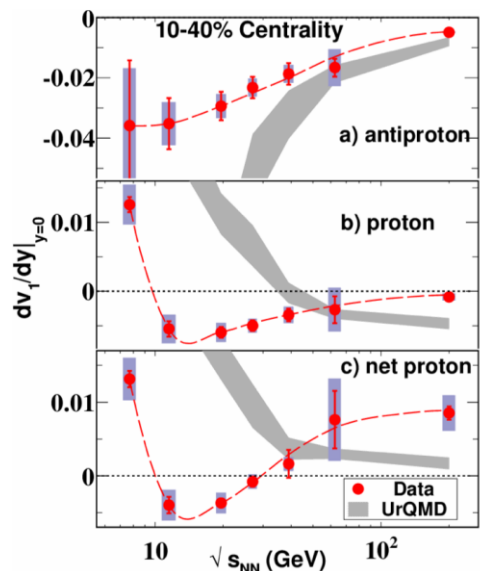


ALI-PREL-148739



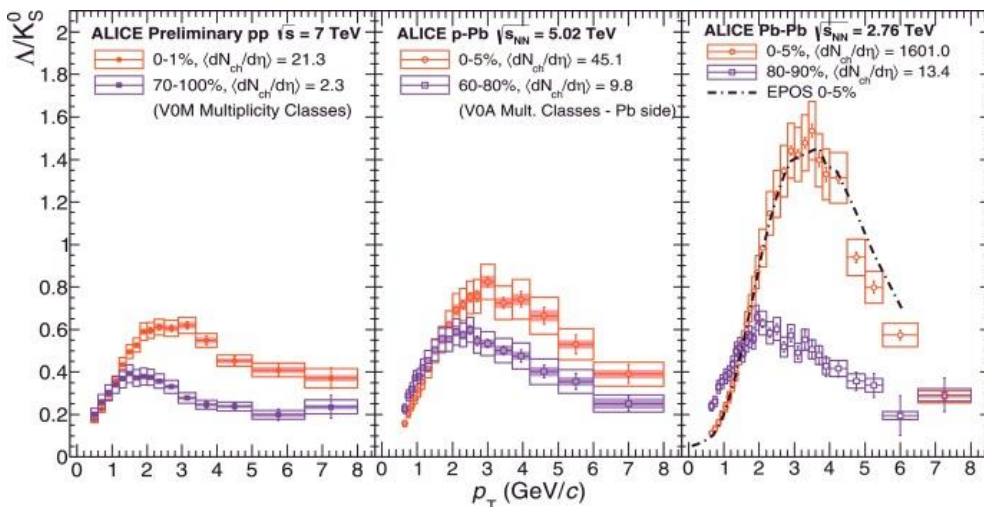
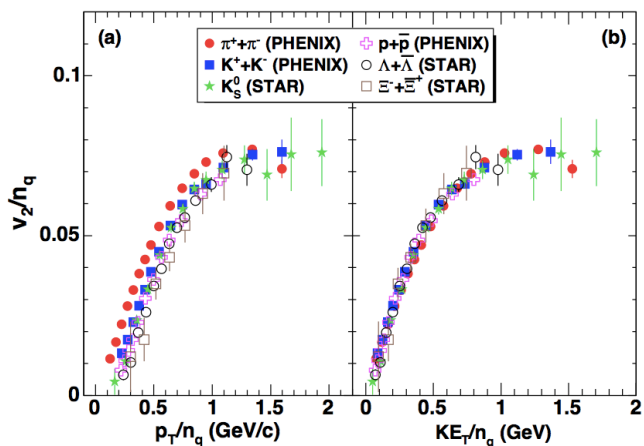
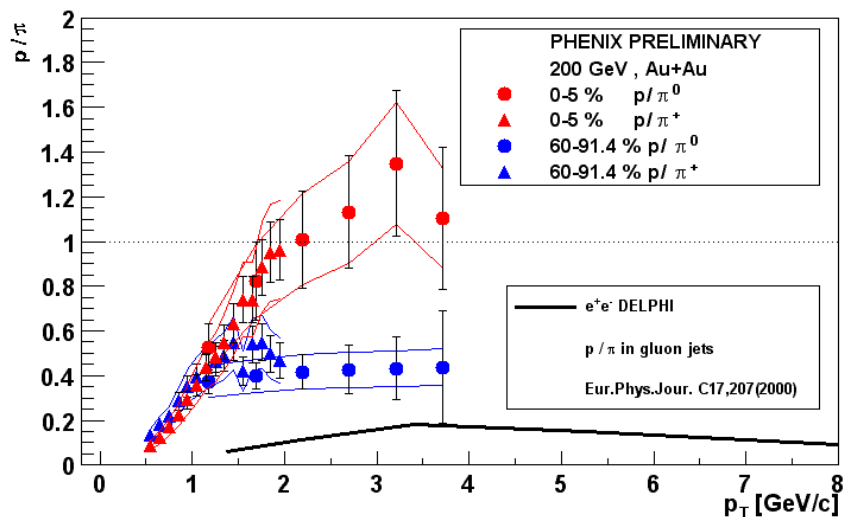
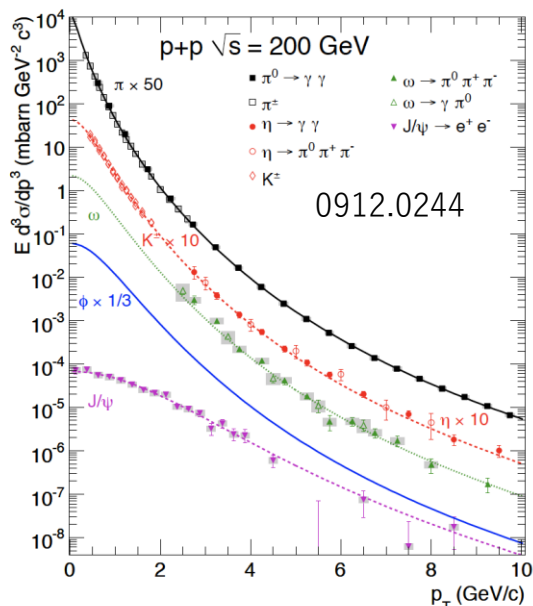
流体・フロー (v_n)

- 流体の基礎(理想流体、粘性流体、揺動流体)
- v_1, v_2 , 高次フローと ε_n



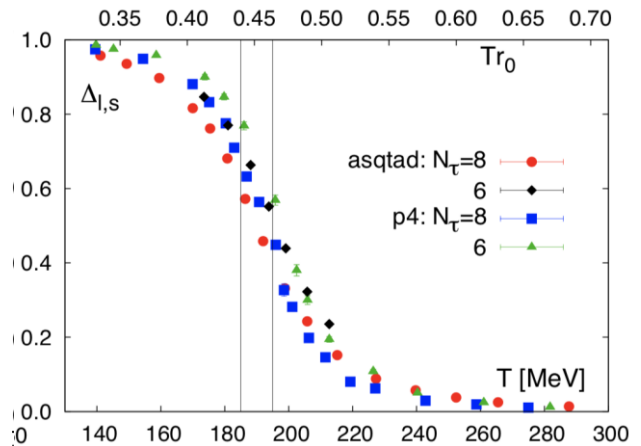
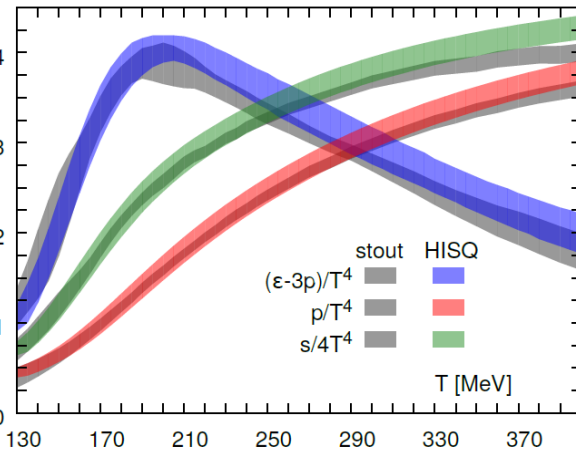
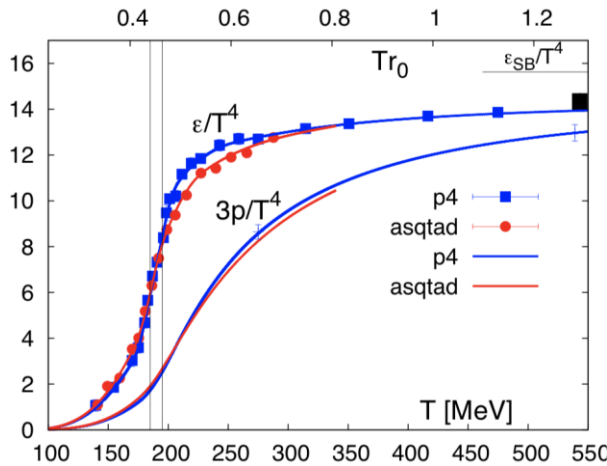
ハドロン化

- Mt-scaling, リコンビネーション、フラグメンテーション



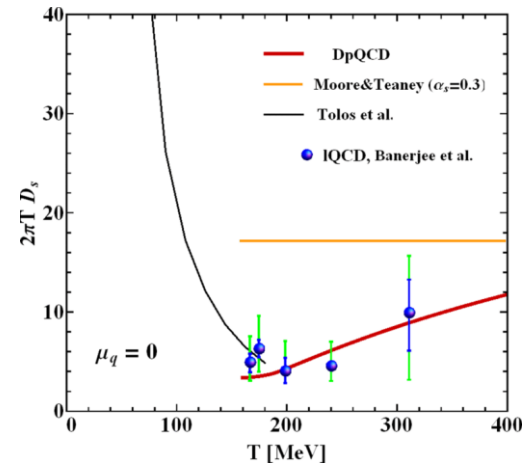
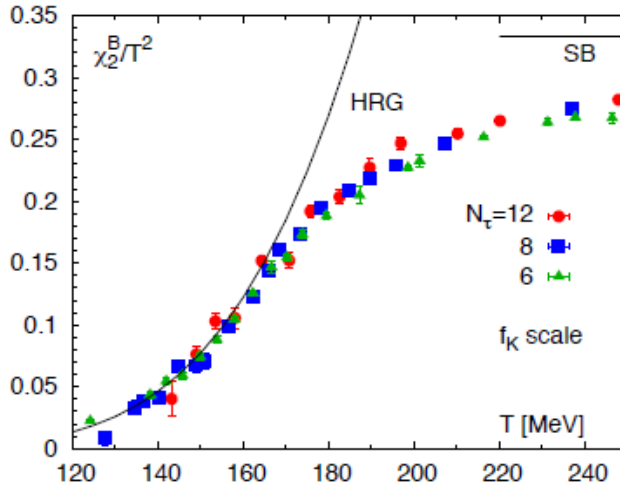
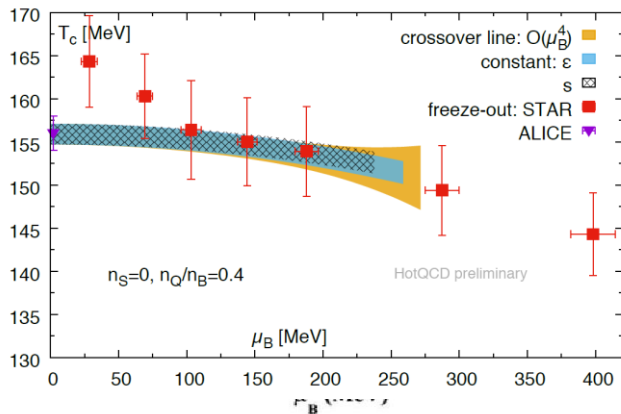
格子 QCD

- 状態方程式や秩序変数(振舞の直感的理解)、散逸係数、擬相転移温度、有限密度の困難について



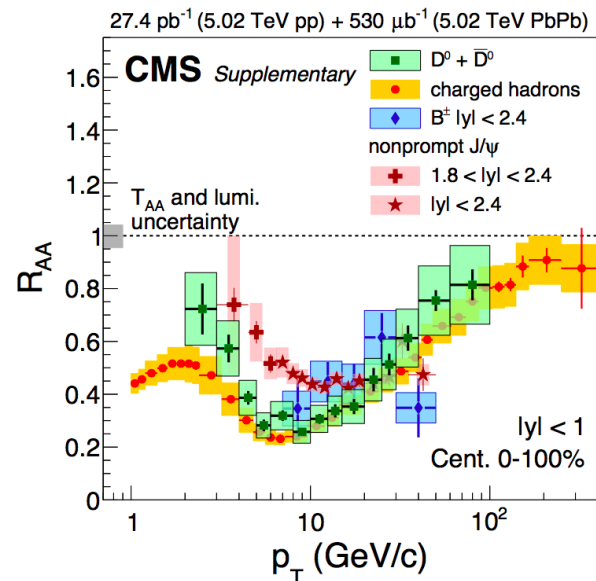
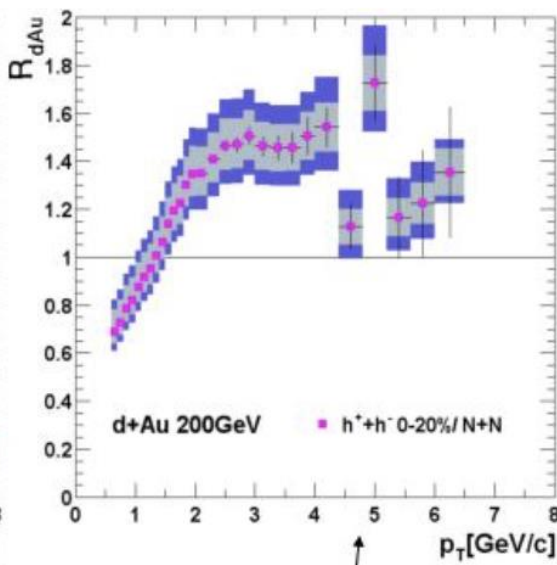
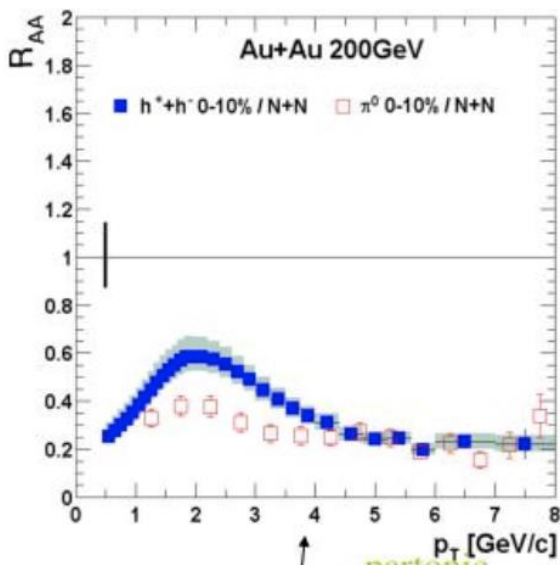
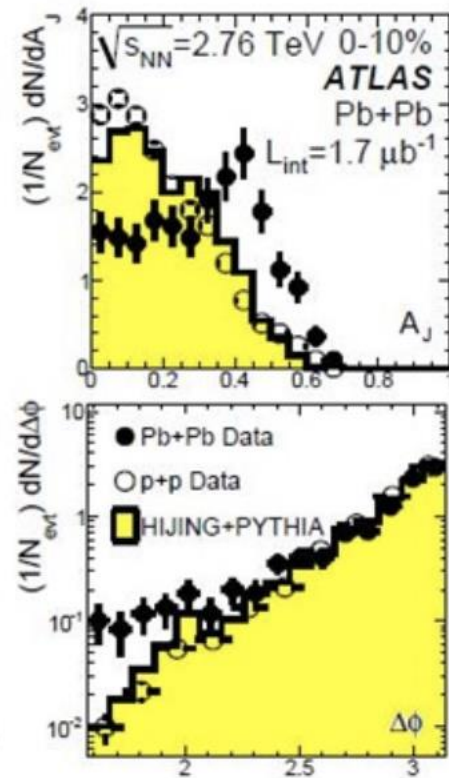
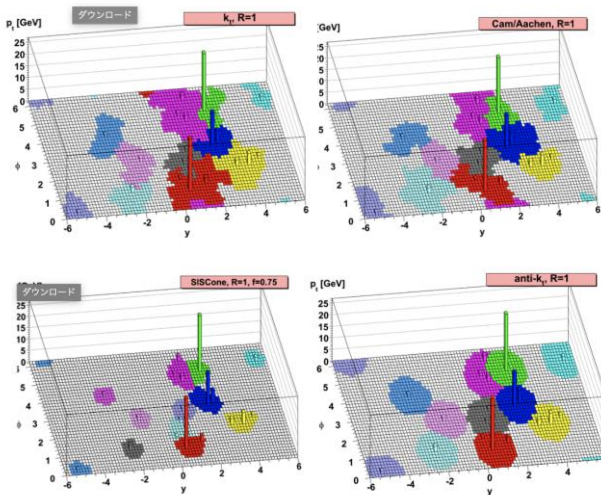
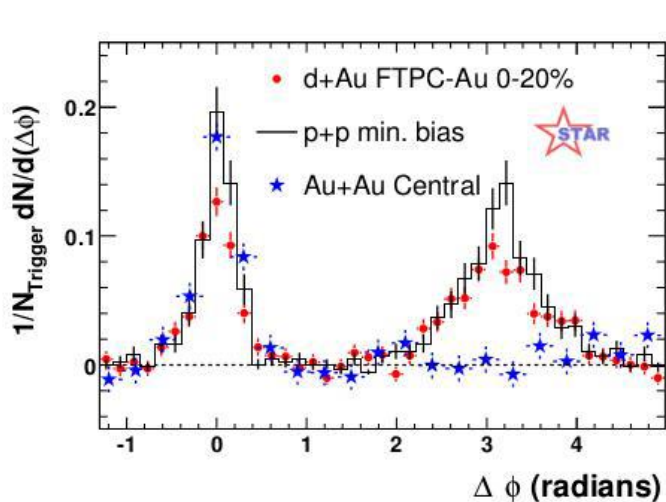
The QCD crossover line

STAR: arxiv:1701.07065
ALICE: arxiv:1408.6403



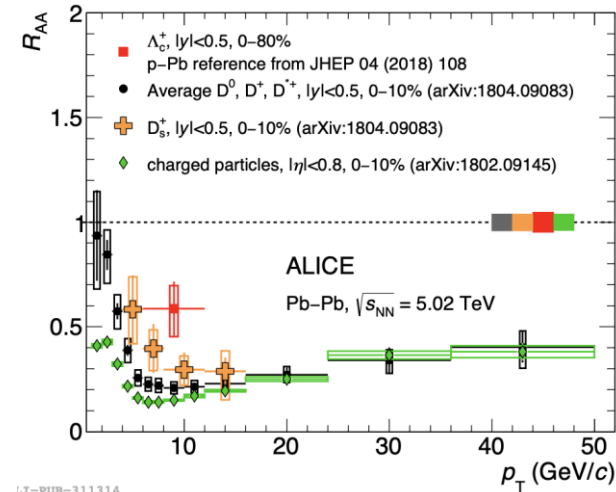
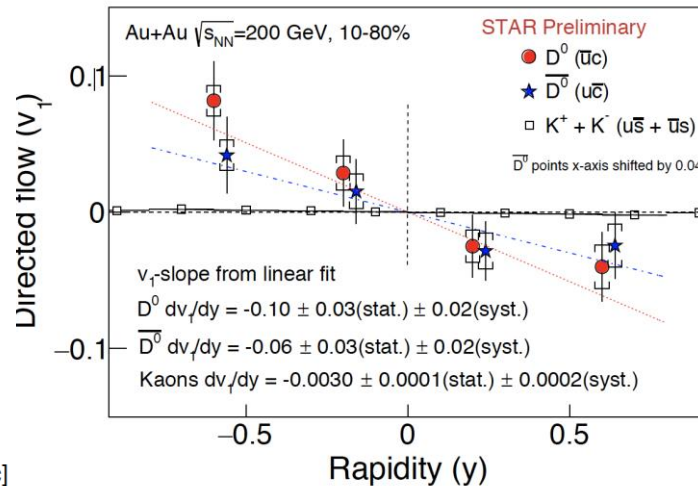
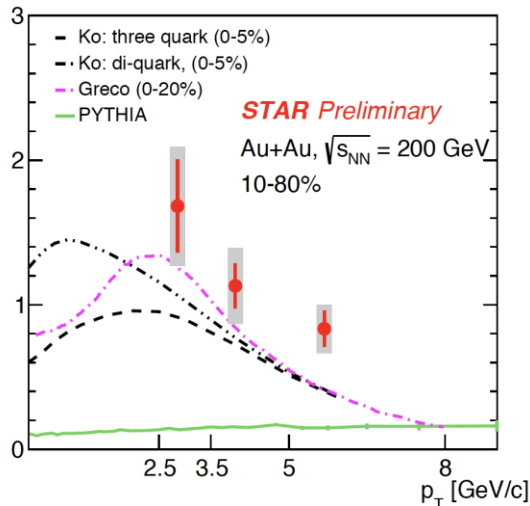
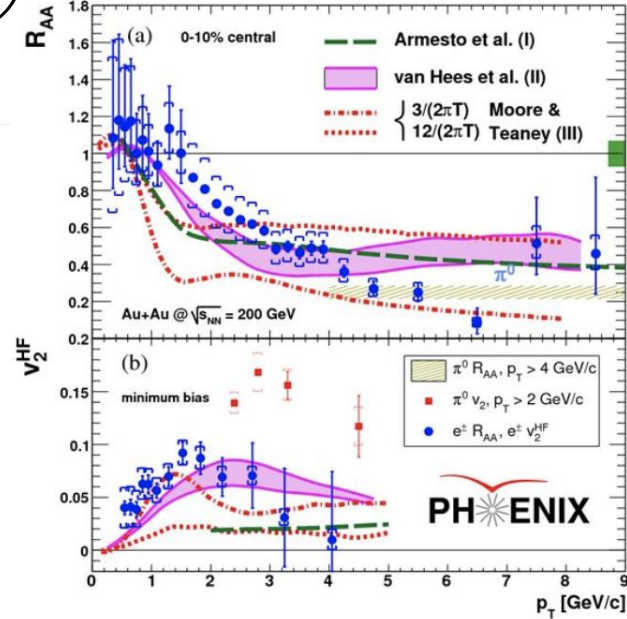
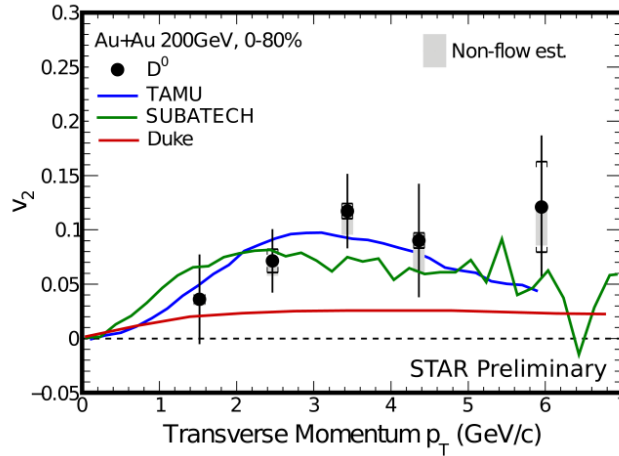
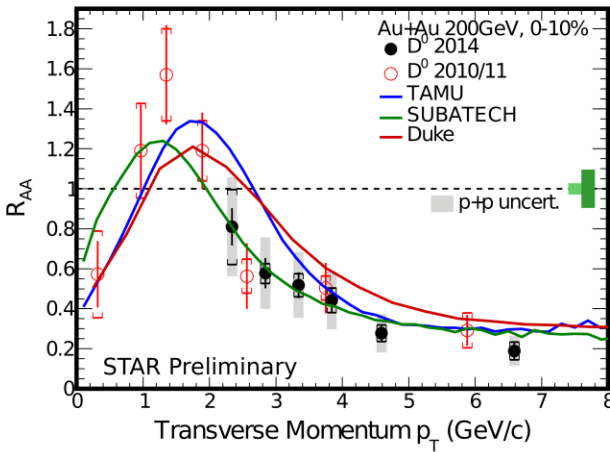
RAAとジェットクエンチング

- エネルギーロスとの関係、RAA, δp_T ,



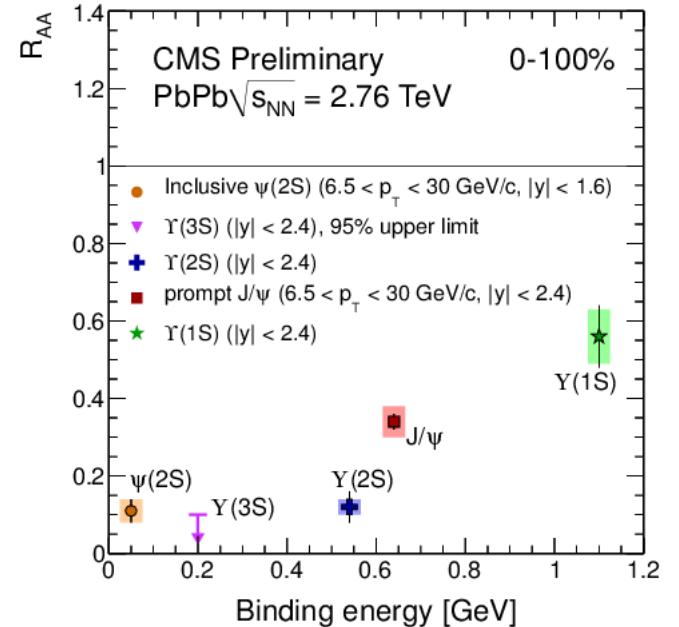
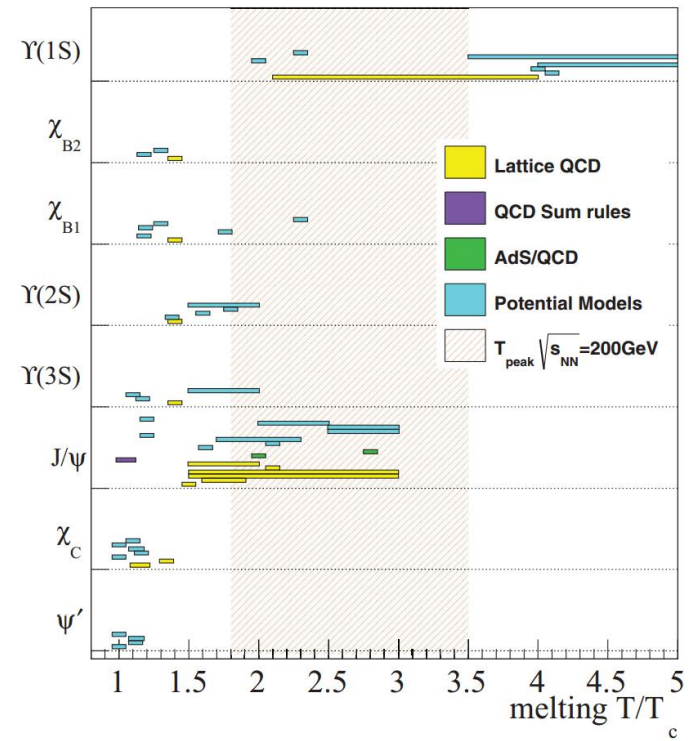
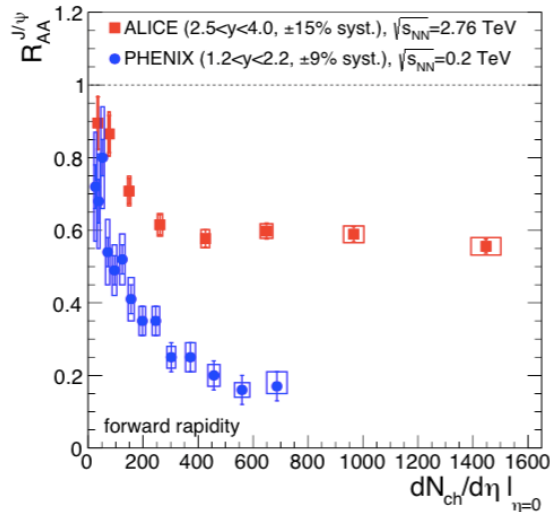
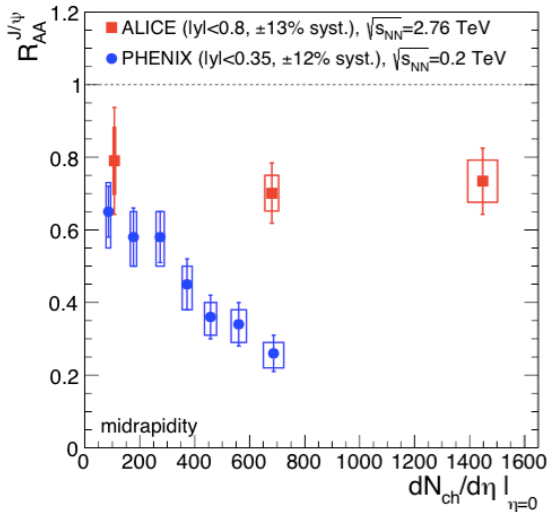
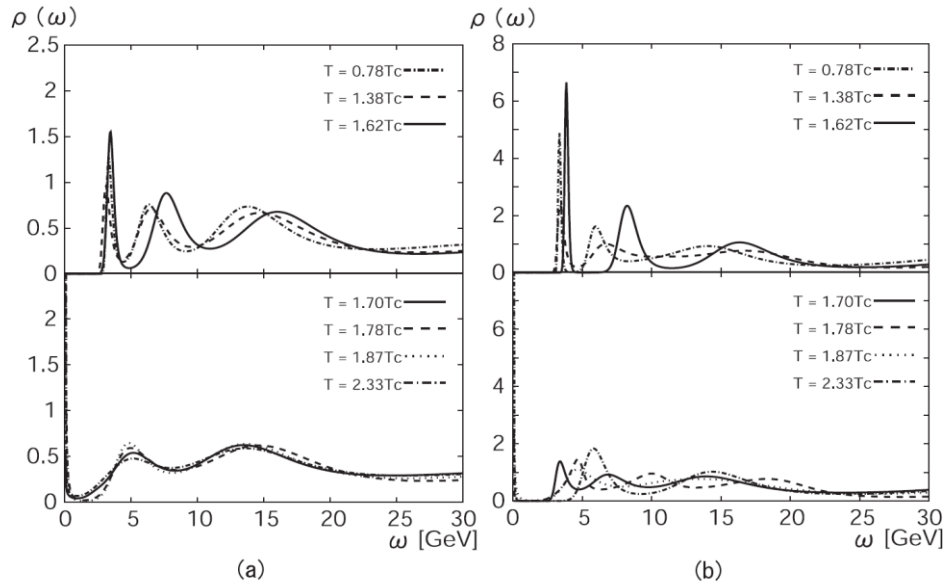
重クォーク

- 衝突エネルギー損失、ジェットクエンチング



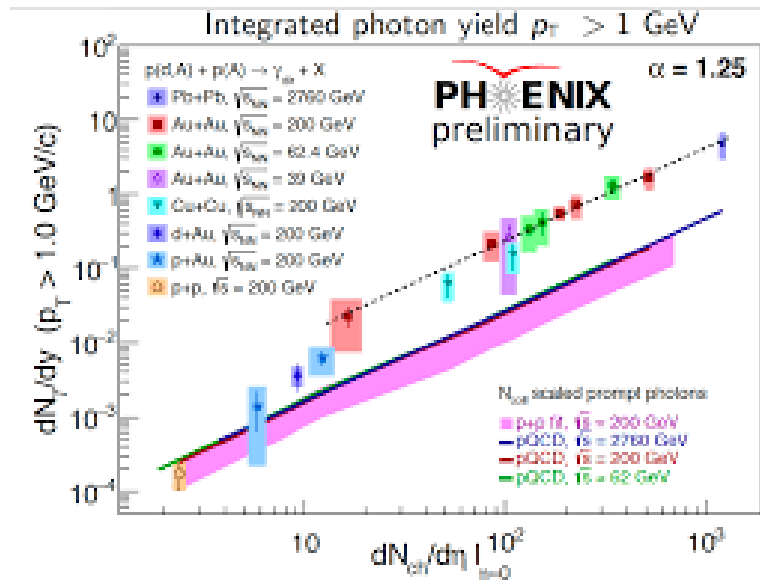
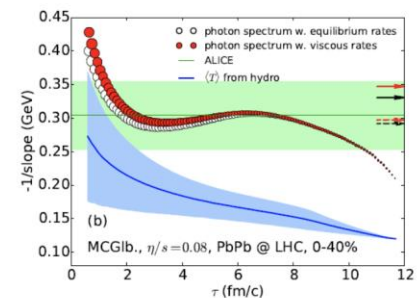
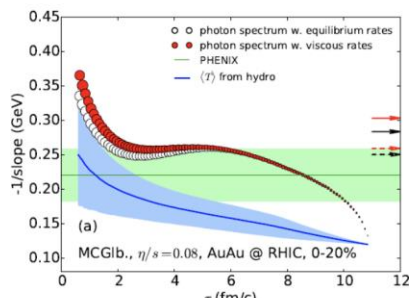
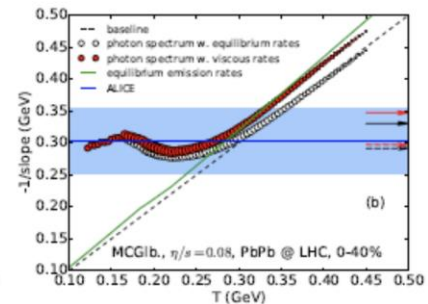
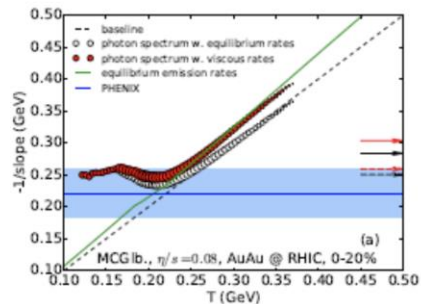
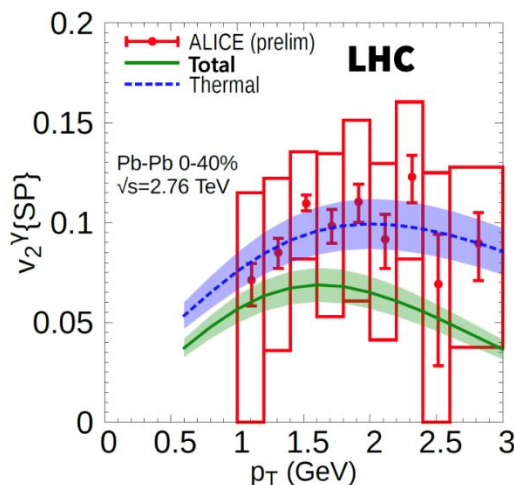
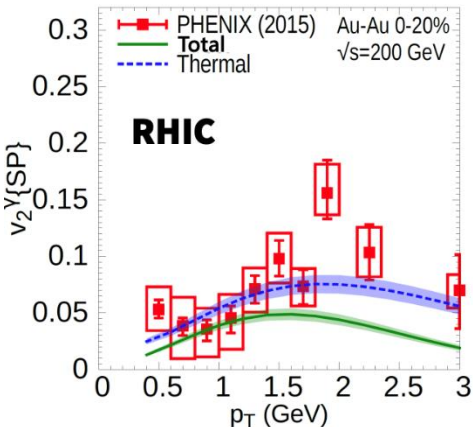
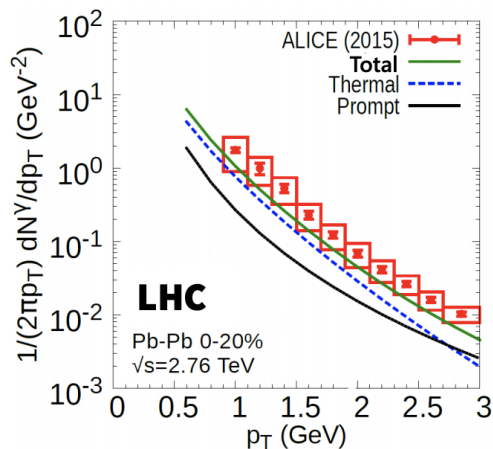
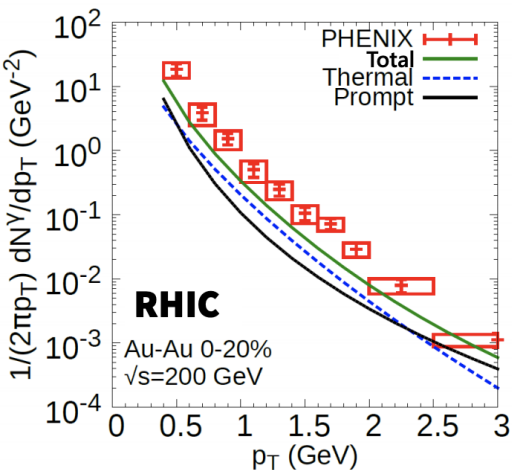
クォーコニウム

- カラー遮蔽、溶解温度、再結合、UPC



光子

• フォトンパズル



レプトン

- カイラル対称性、媒質効果、熱的レプトン対

