

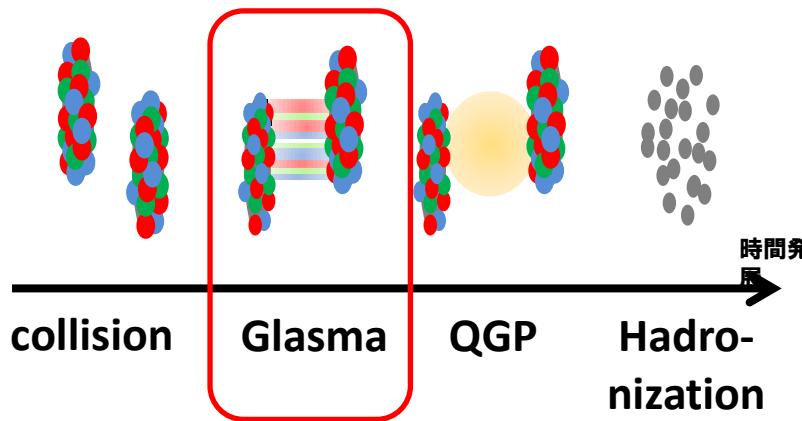
Husimi-Wehrl entropy in quantum chaotic system

-An efficient calculational method-

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Early thermalization in Heavy Ion Collisions

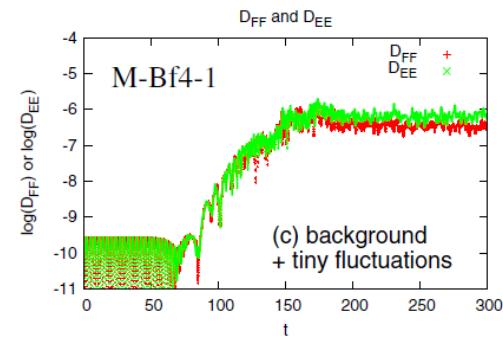
Hydro model \rightarrow initial time $\tau \leq 0.6 \text{ fm}/c$
Too early



Large amount of entropy is
created in the early stage.

Entropy induced by Classical Yang-Mills chaotic behavior

T.Kunihiro et al.(2010)
H.Iida et al.(2013)



Fluctuations induce chaotic behavior
= Quantum fluctuation

Husimi-Wehrl entropy

