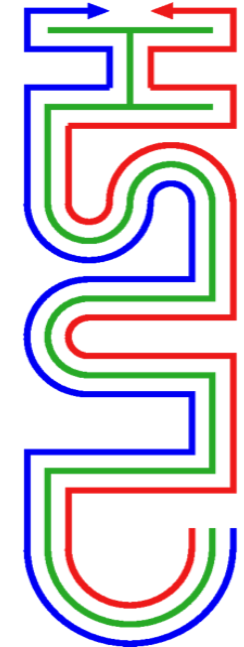


# Holmganga: CLASH Workshop 2023

– Sumit Basu



LUND  
UNIVERSITY



26–30 Jun 2023 Helsingborg, Sweden

History



The term "holmganga" typically refers to an ancient Scandinavian practice of settling disputes through a duel or physical combat in an

island

Elite Hotel Marina Plaza,  
Helsingborg, Sweden  
(Close to sea)

~~physical combat~~  
Physics discussions,  
logics, innovative ideas  
→ dialogues, pen, pencil,  
paper & computer

- Vytautas Vislavicius
- Andrecia Ramnath
- Jarkko Peuron
- Sumit Basu
- Adrian Fereydon Nassirpour

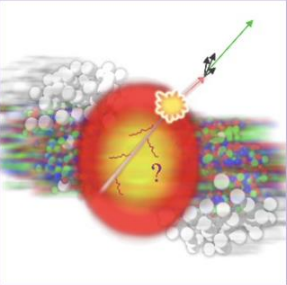
In HEP, we all have our own (strong) biases,  
weaknesses & strengths,  
+ Some unknowns  
+ Some areas where we dare to ask questions  
+ Some hidden great ideas  
+ ...

- Jet quenching
- Particle production & freeze-out
- Correlations & fluctuations
- CGC versus Lund strings

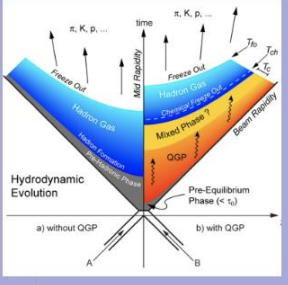
# Rule of the Game

First Part:  
Parallel Session

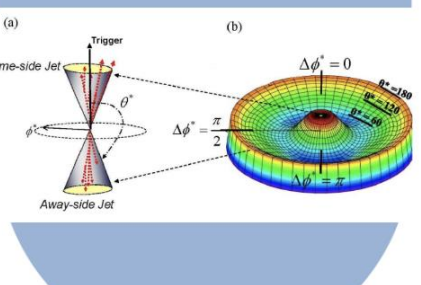
## JET QUENCHING



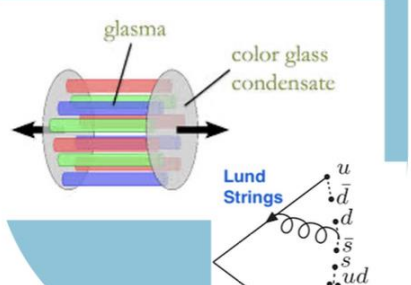
## PARTICLE PRODUCTION & FREEZE-OUT



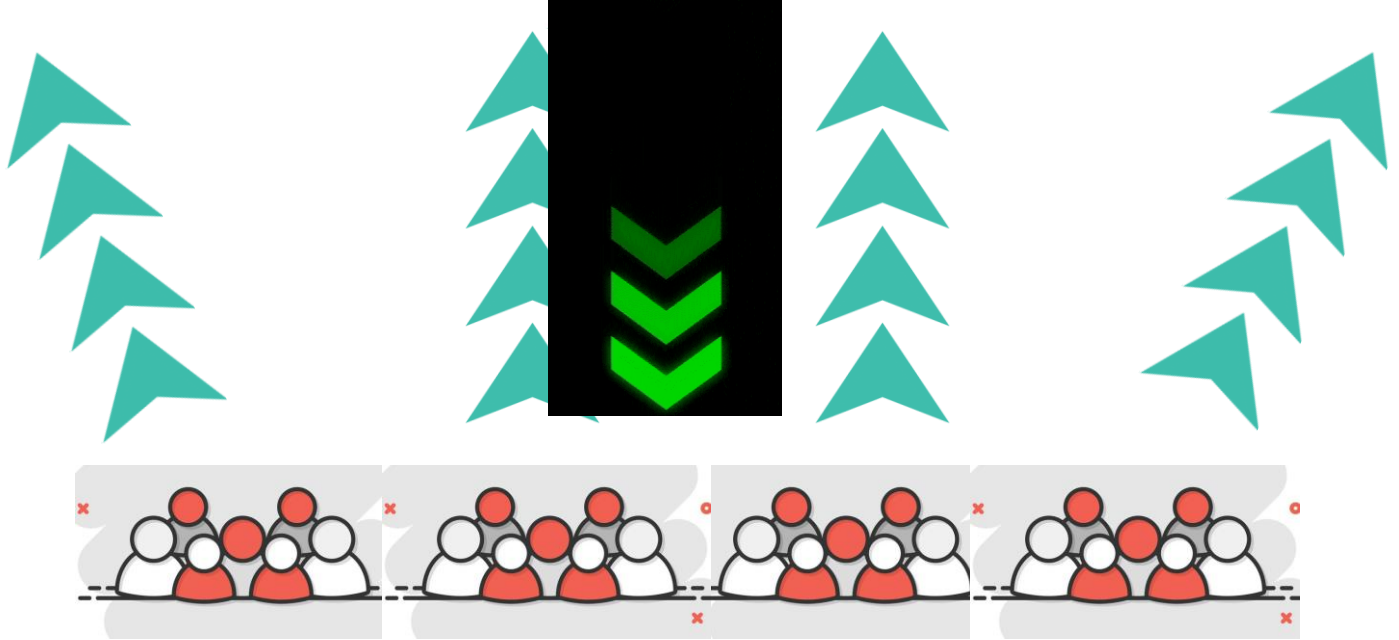
## CORRELATIONS & FLUCTUATIONS



## CGC VS. LUND STRINGS



Second Part:  
Summary & Duels



## Rule of the Game

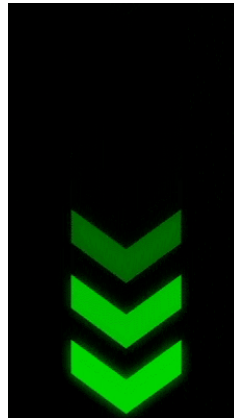
First Part:  
Parallel Session

Jet quenching

Particle production & freeze-out

Correlations & fluctuations

CGC versus Lund strings



- Will be convened by assigned convenors
- They could lead/trigger the discussions  
But not limited to only their materials/topics
- Participants are strongly encouraged to take part/engage
- Focus is to find good “clashing points”/two side view/Holmganga
- Please don't forget the Change my mind questions (in your conference kit folder)

→ Jarkko

Second Part:  
Summary & Duels

- Each session convenor will summarize the main outcomes of the discussion (sessions)
- Any debatable ideas which came up during the discussion will be dueled over in a holmganga
- We also want to discuss the change my mind questions + new ideas/questions

## What we expect

### Other conference

- We promote our work through Talks/ poster
- Limited time for interactions on other works
- Afraid/shy to try challenging ideas stick to biases

### Holmganga Conference

- Here we promote which is untold Some extreme ideas, views
- Full conference is open to discussion engaging debatable thoughts Afraid/shy to try challenging ideas
- Encourage to be clashy/ask questions Be a "Holmgangers" !!!

We want to jolt down the possible ideas, doubts and try to come with some write up after this workshop

→ Of course, with your help!!!

Hope that will be food for thoughts for upcoming 5-10 years for this field.

Possibilities for new collaborations for longer term to try some new ideas

→ Ask us!!! Lanyard (organizers)

→ Andy

Enjoy!!!