



KEKSSP 2024 JOINT EVENT

ALISON TORMOS BELDA

2024/07/29

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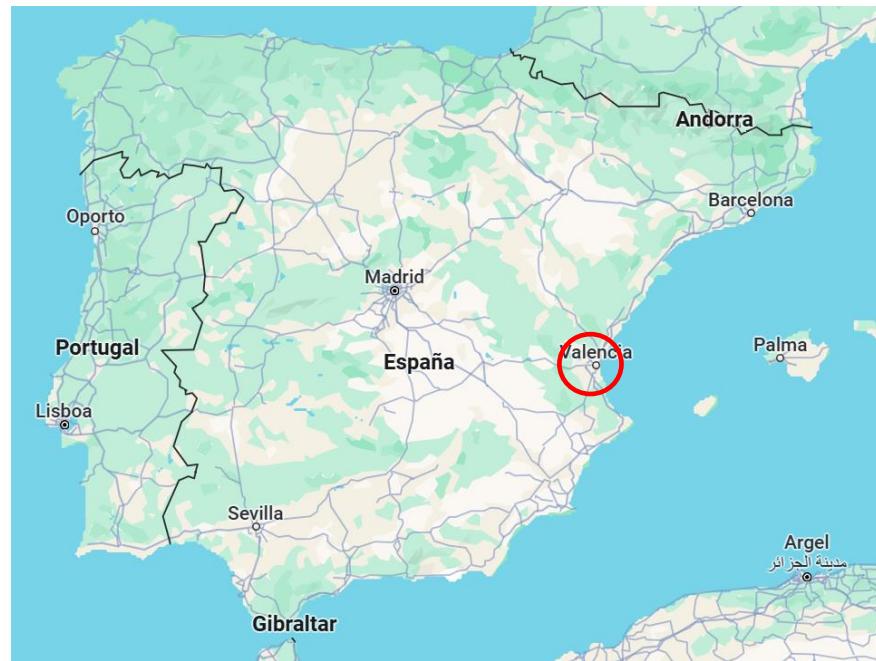
SELF-INTRODUCTION

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- Montcada, València (Spain)



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VNIVERSITAT
DE VALÈNCIA

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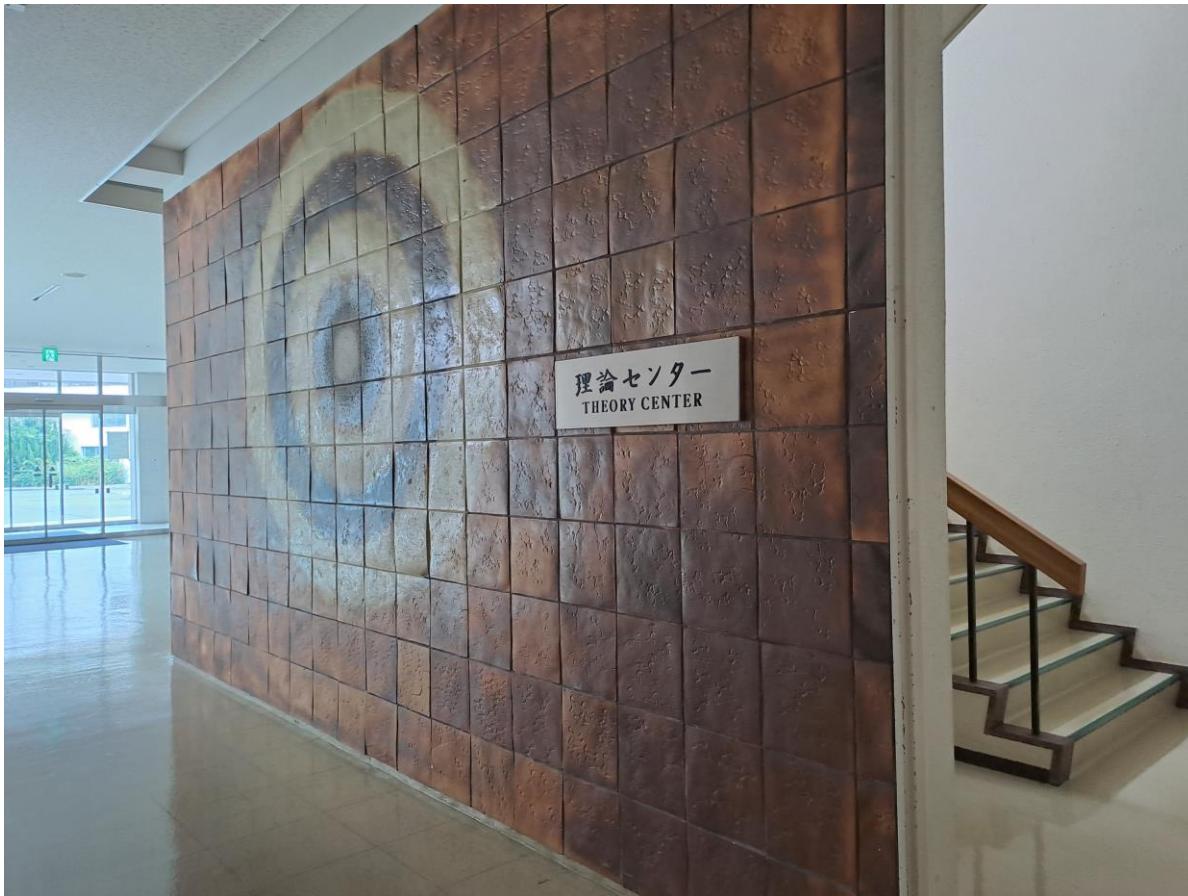
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SELF-INTRODUCTION

- Alison Tormos Belda
- Montcada, València (Spain)
- University of Valencia
- Interested in Quantum Mechanics, QFT, Quantum Information Theory

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INTRODUCTION



Institute of Particle and
Nuclear Studies

INTRODUCTION

- QUARK TRANSITION AT FINITE TEMPERATURE
- B MESON DECAY

INTRODUCTION. FINITE TEMPERATURE TRANSITION

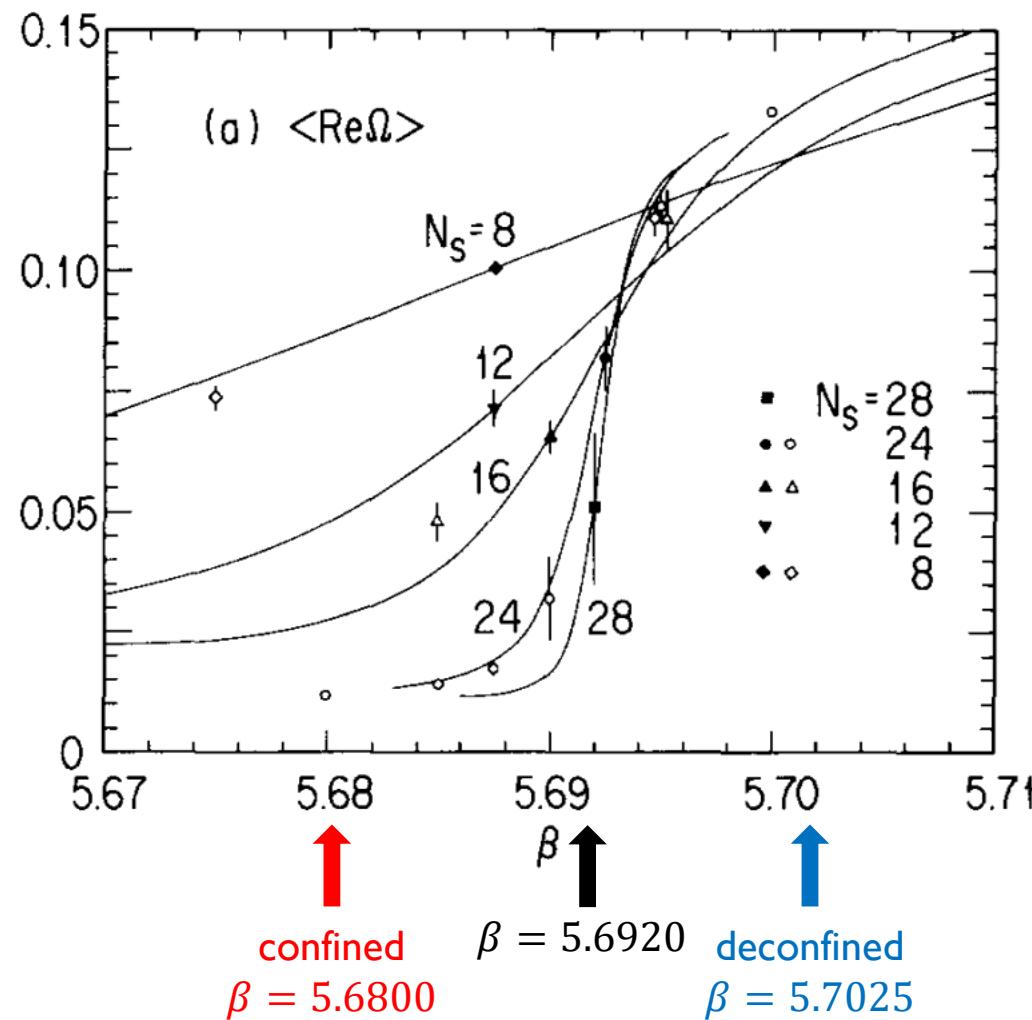
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INTRODUCTION. FINITE TEMPERATURE TRANSITION

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[Figure] Masataka Fukugita,
Masanori Okawa, Akira Ukawa,
Finite-size scaling study of the
deconfining phase transition in
pure SU(3) lattice gauge
theory, Nuclear Physics B,
Volume 337, Issue 1, 1990,
Pages 181-232,

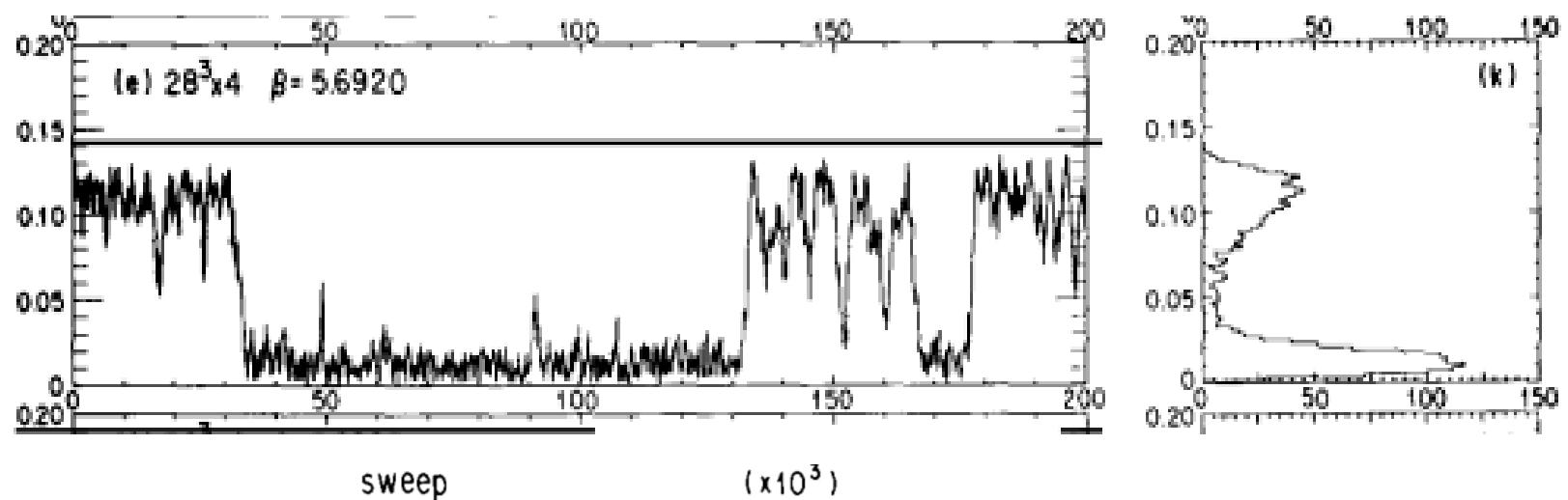


$$T = \frac{1}{aN_T}$$

INTRODUCTION. FINITE TEMPERATURE TRANSITION

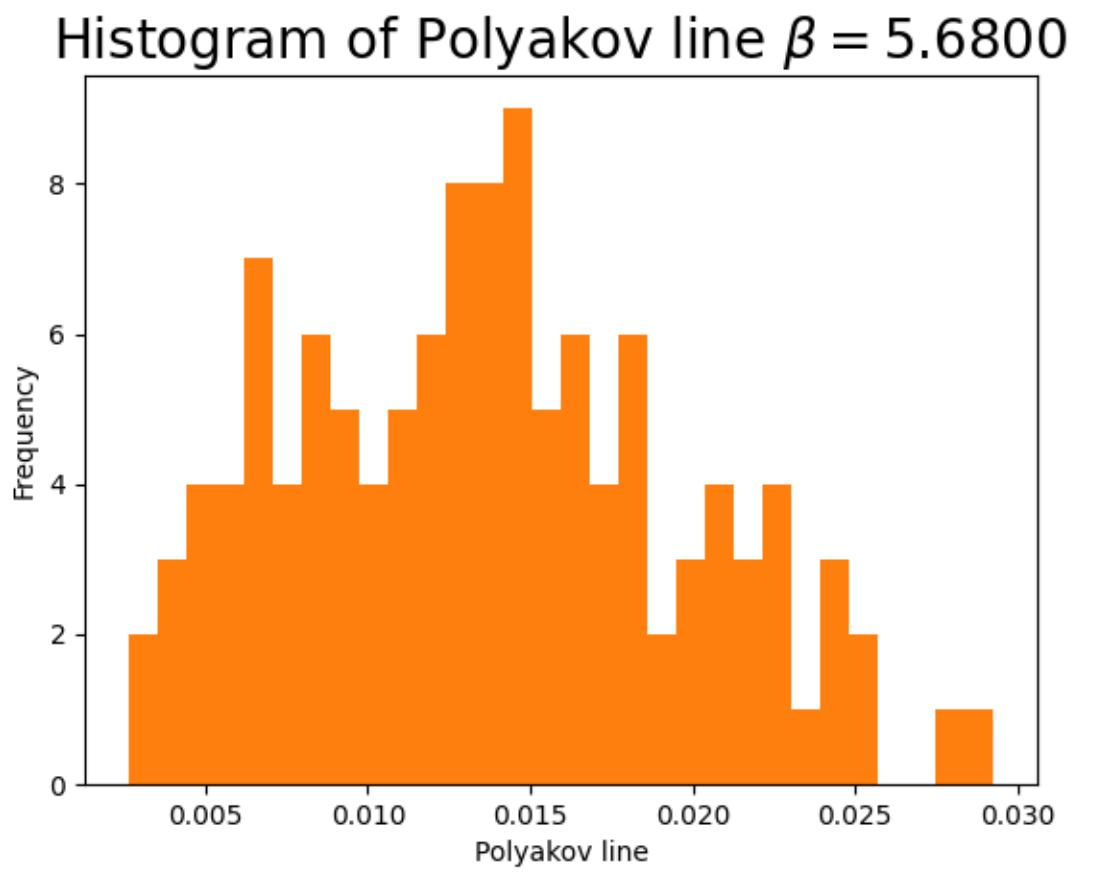
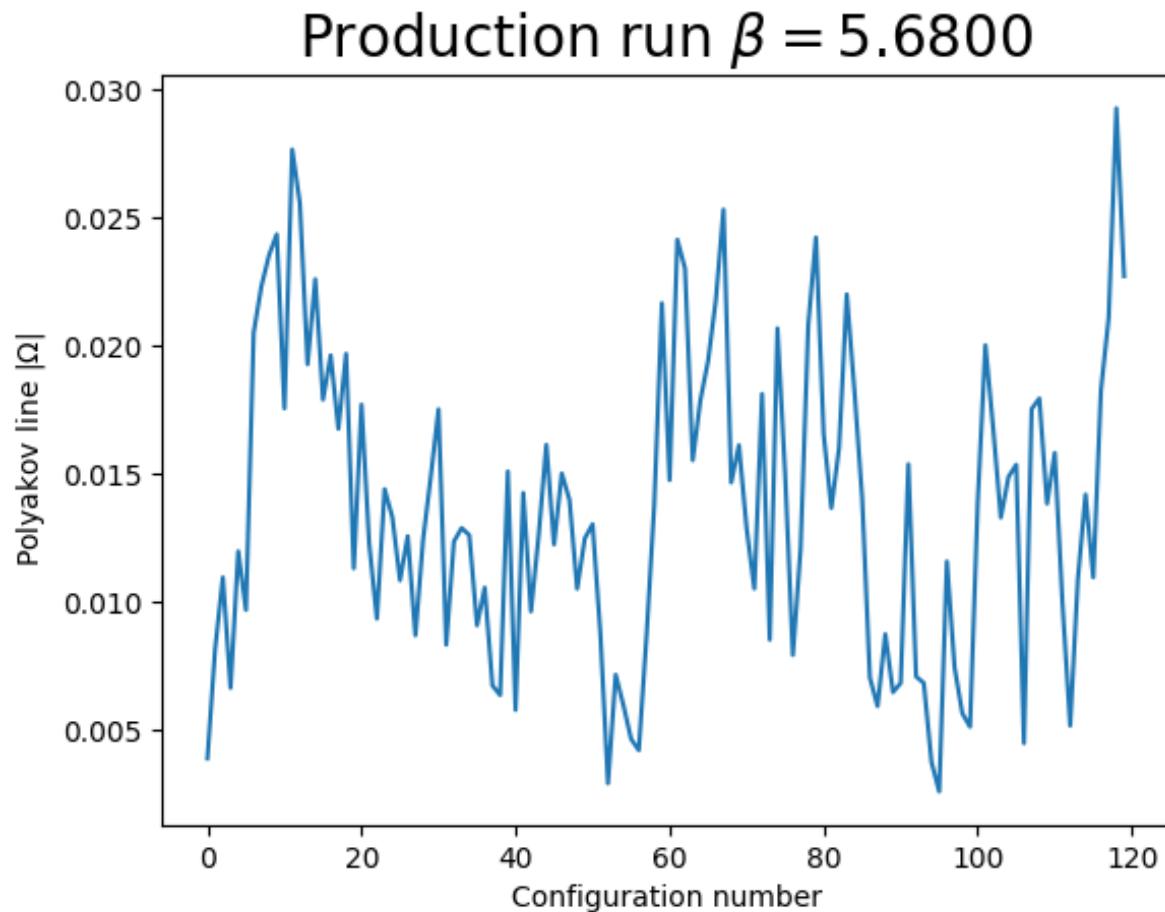
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[Figure] Masataka Fukugita,
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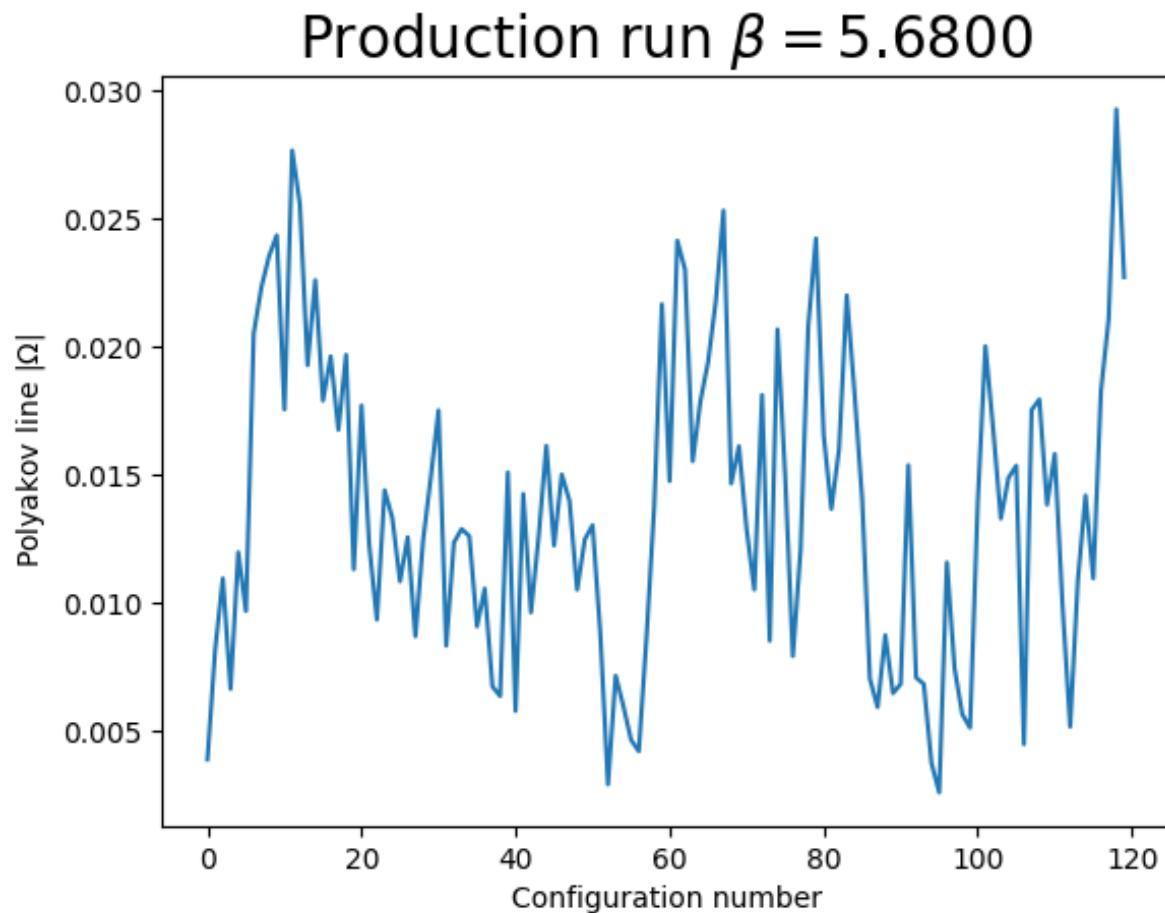
RESULTS. CONFINED PHASE

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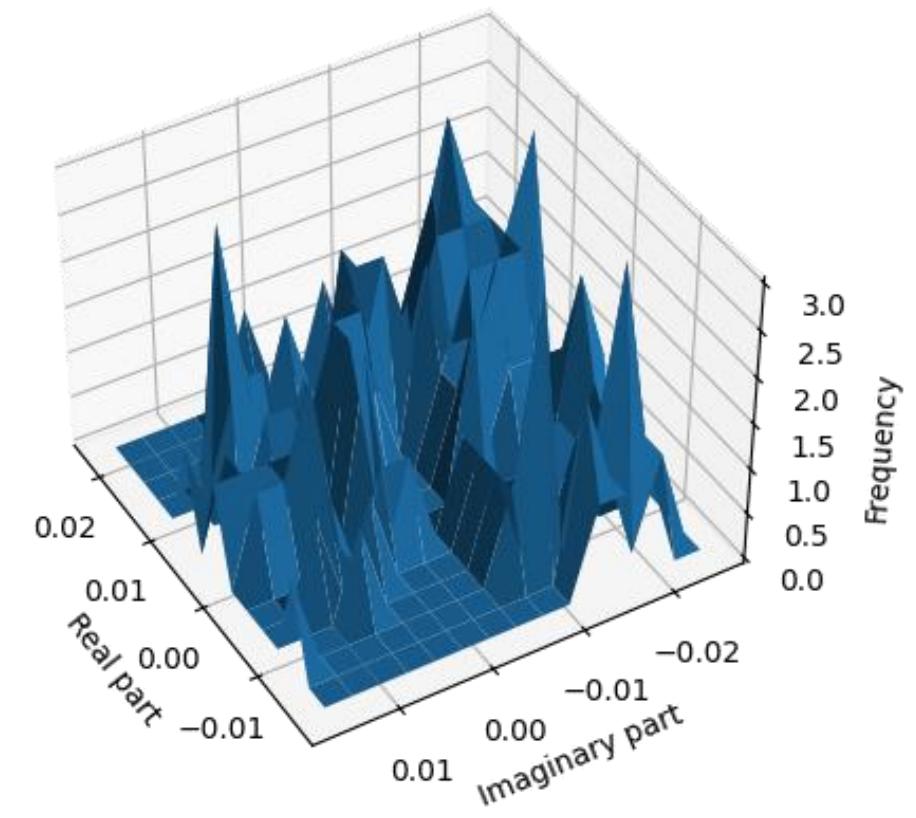


RESULTS. CONFINED PHASE

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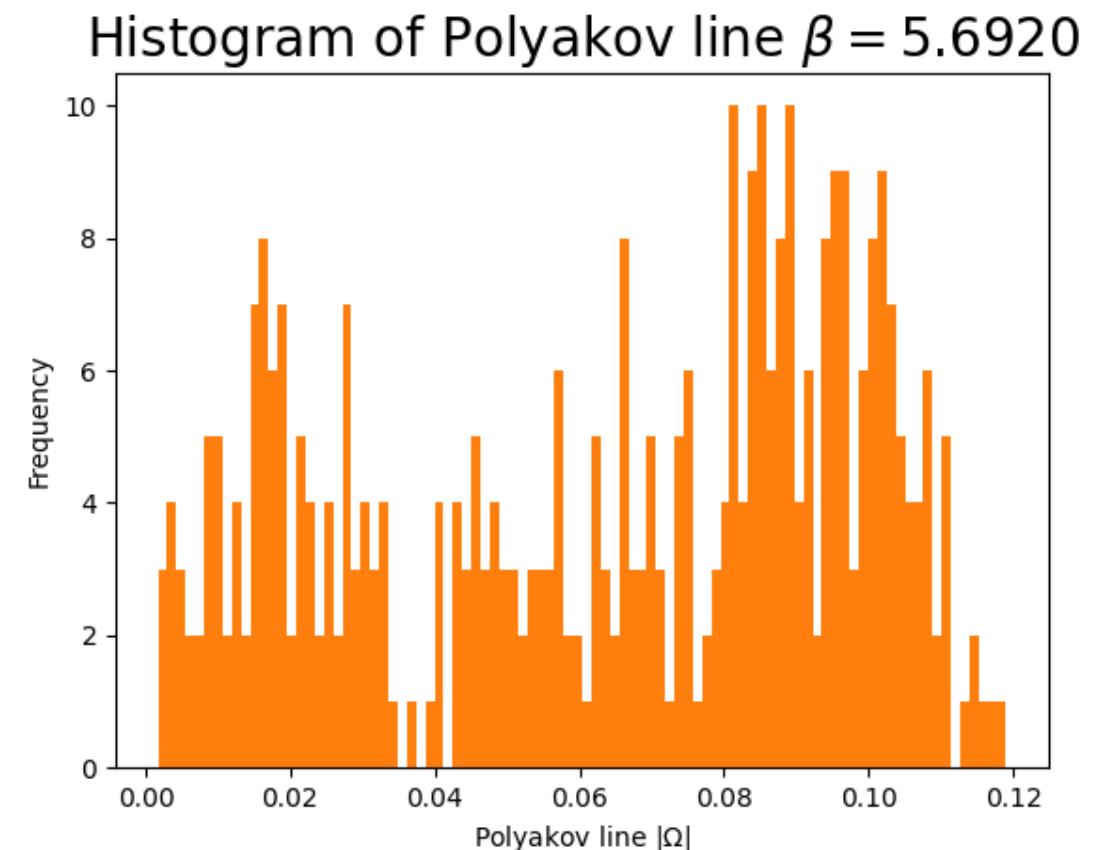
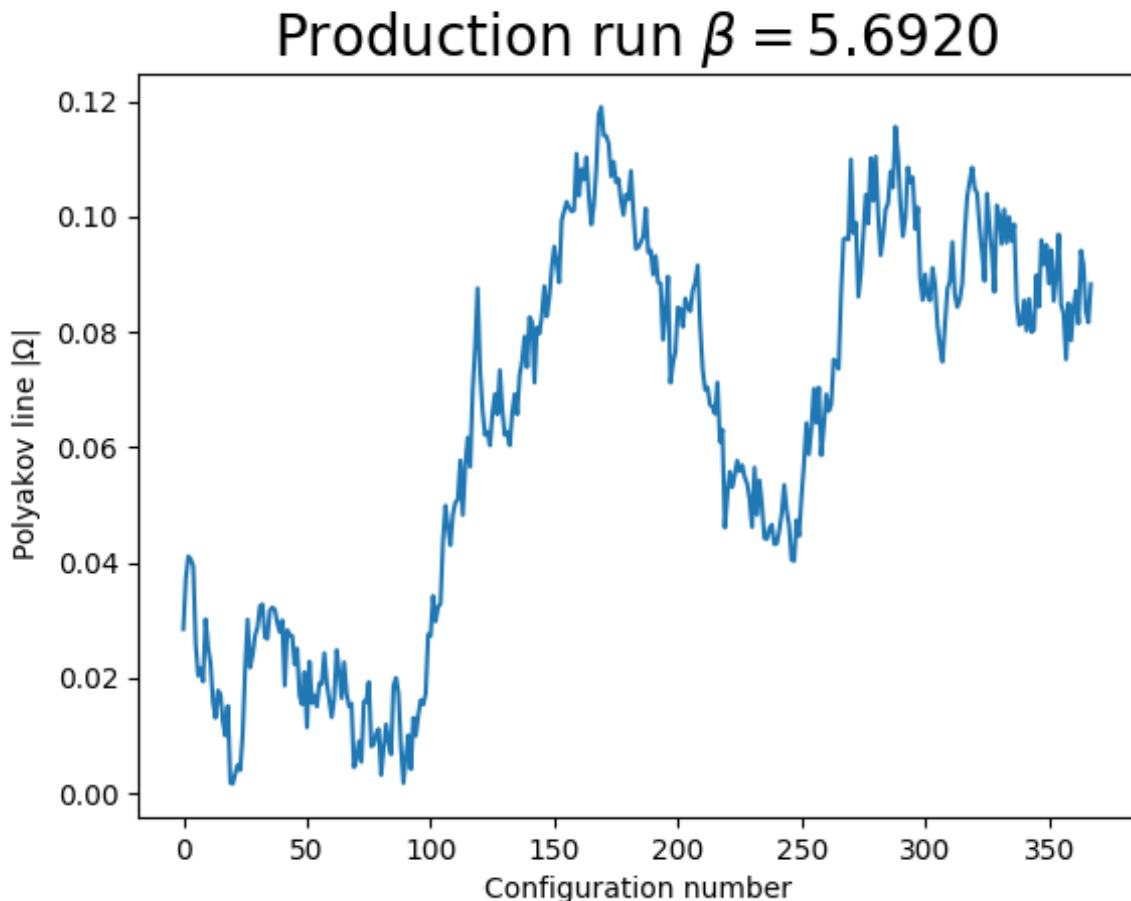
Histogram of Polyakov line $\beta = 5.6800$



RESULTS.

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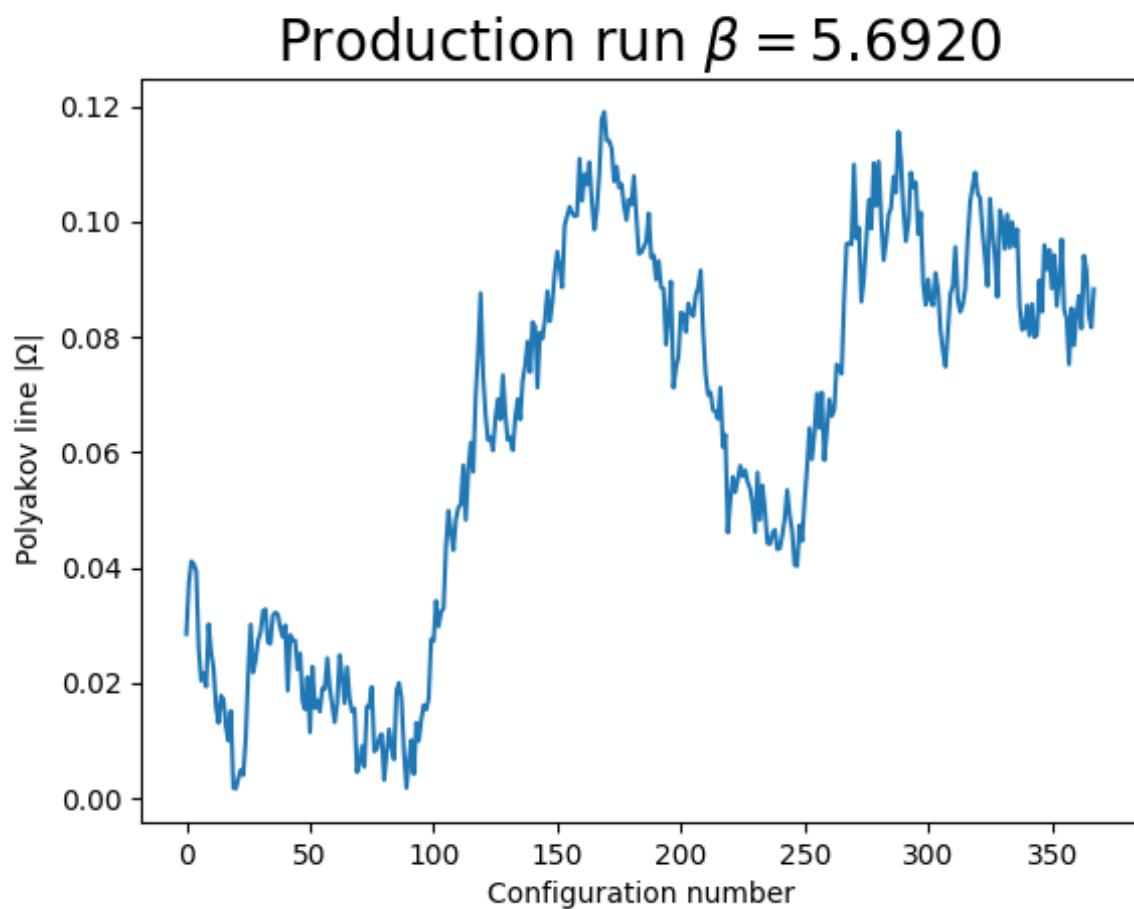
DECONFINING TRANSITION $\beta = 5.6920$ (370 CONFS.)



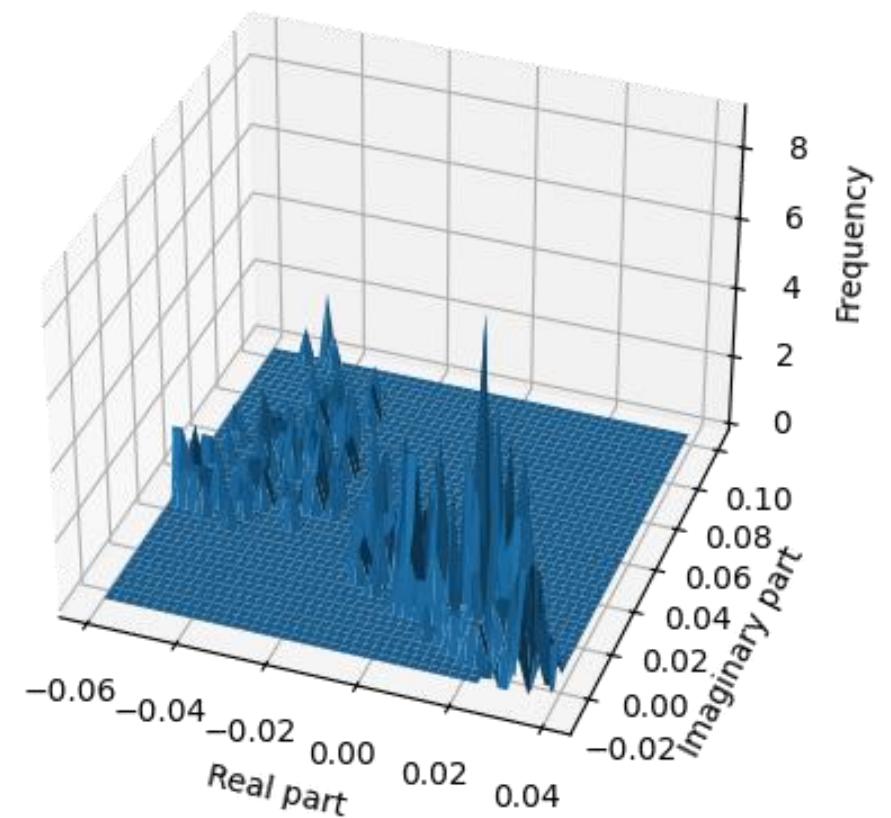
RESULTS.

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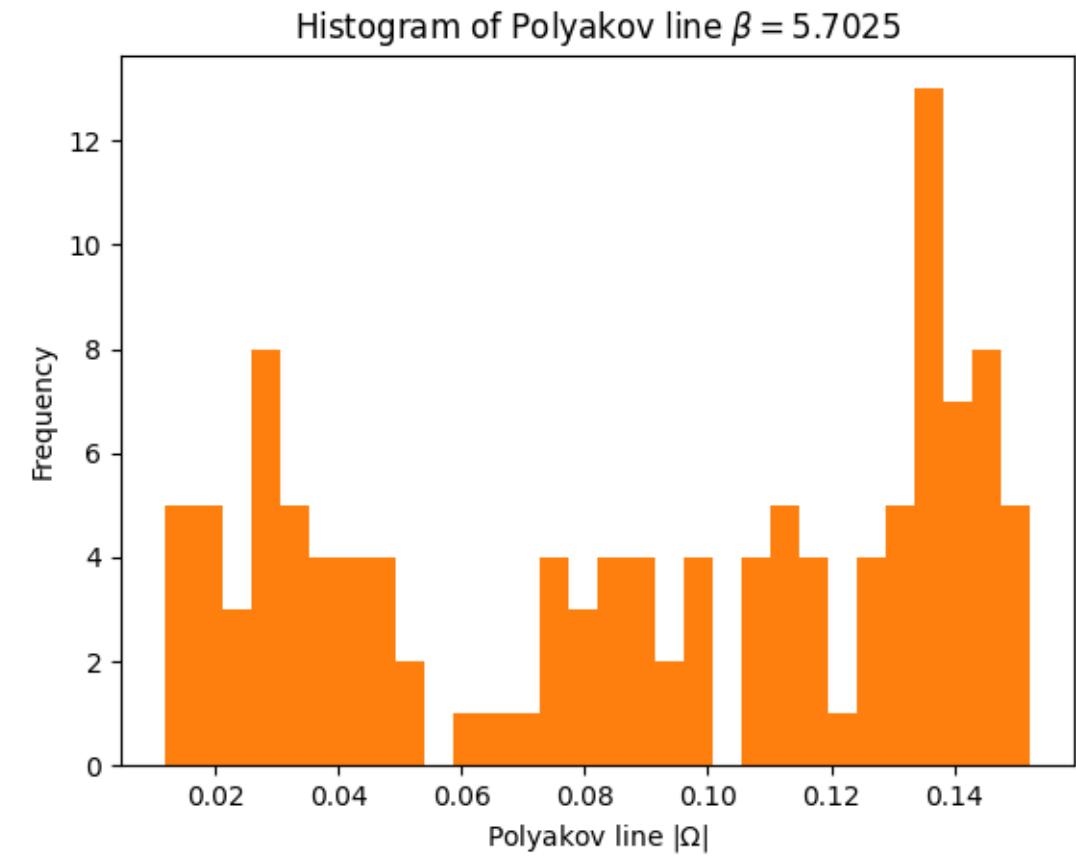
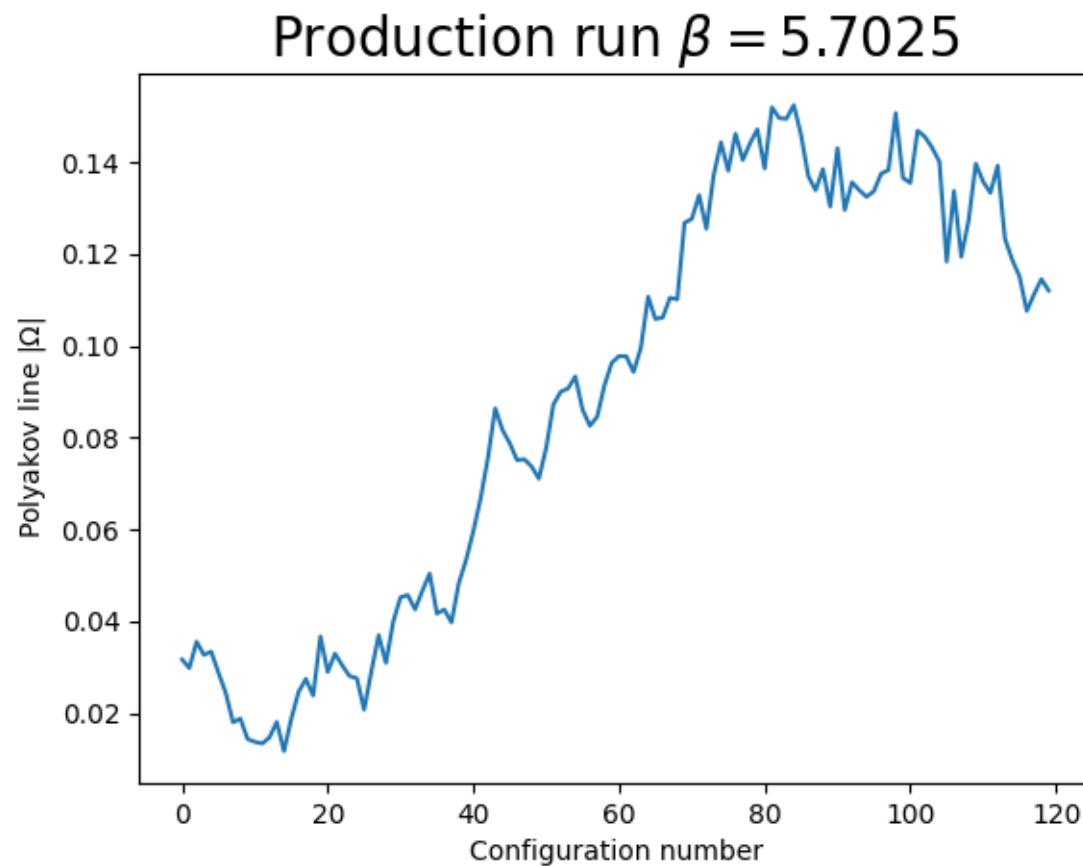


Histogram of Polyakov line $\beta = 5.6920$



RESULTS. DECONFINED PHASE

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