



J. G. Contreras **Czech Technical University** 

September 26, 2019, Děčín

Workshop supported by grant SVK30/19/F4

## Druhý miniworkshop difrakce a ultraperiferálních srážek 26-27 September, 2019 Děčín, Česká republika

## Introduction

## Specifically, about QCD at high energy (densities)

Some keywords: diffraction, small systems, saturation, QGP, shadowing, ....

## Specifically, about QCD at high energy (densities)

### Phenomenology

Some keywords: diffraction, small systems, saturation, QGP, shadowing, ....

## Specifically, about QCD at high energy (densities)



## Specifically, about QCD at high energy (densities)

**New detectors** 

### Phenomenology

Measurements

Some keywords: diffraction, small systems, saturation, QGP, shadowing, ....



## Specifically, about QCD at high energy (densities)

**New detectors** 

### Hot spot models

**BK** equation

Phenomenology

Measurements

Some keywords: diffraction, small systems, saturation, QGP, shadowing, ....



## Specifically, about QCD at high energy (densities)



Hot spot models

**BK** equation

Phenomenology

Measurements

Some keywords: diffraction, small systems, saturation, QGP, shadowing, ....

**New detectors** 

Muon Forward Tracker

**Forward Diffraction Detector** 

ALICE



Hot spot models

**BK** equation



### Phenomenology

Some keywords: diffraction, small systems, saturation, QGP, shadowing, ....



**New detectors** 

Muon Forward Tracker

Forward Diffraction Detector

**Correlations and flow** 

Ultra-peripheral collisions

ALICE

Measurements

Lev Lipatov: my friend and renowned physicist Eugene Levin

https://arxiv.org/abs/1909.11452

Lev Lipatov: my friend and renowned physicist Eugene Levin

https://arxiv.org/abs/1909.11452

However, as it is well known, experimentalists have so many problems, besides physics, that they very often have no time to think about physics.