Preliminary program of the International Summer School "Theoretical Problems of Physics of Fundamental Interactions"

Day	Time	Activity	Speaker
Week 1 (20 – 24 July)			
Mon, 20 July	9.00 – 10.30	lecture	Buchbinder
	10.30 – 11.00	coffee break	
	11.00 – 12.30	lecture	Bekaert
	12.30 – 14.30	lunch	
	14.30 – 16.00	lecture	Giombi
	16.00 – 16.30	coffee break	

Week 2 (27 – 31 July)			
Mon, 27 July	9.00 – 10.30	lecture	Feigin
	10.30 – 11.00	coffee break	
	11.00 – 12.30	lecture	Pestun
	12.30 – 14.30	lunch	
	14.30 – 16.00	lecture	Pestun
	16.00 – 16.30	coffee break	
	16.30	seminar	
Tue, 28 July	9.00 – 10.30	lecture	Feigin
	10.30 – 11.00	coffee break	
	11.00 – 12.30	lecture	Pestun
	12.30 – 14.30	lunch	
	14.30 – 16.00	lecture	Skvortsov
	16.00 – 16.30	coffee break	
	16.30	seminar	
Wed, 29 July	9.00 – 10.30	lecture	Skvortsov
	10.30 – 11.00	coffee break	
	11.00 – 12.30	lecture	Feigin
	12.30 – 14.30	lunch	
	14.30 – 16.00	lecture	Showk
	16.00 – 16.30	coffee break	
	16.30	seminar	
Thu, 30 July	9.00 – 10.30	lecture	Didenko
	10.30 – 11.00	coffee break	
	11.00 – 12.30	lecture	Didenko
	12.30 – 14.30	lunch	
	14.30 – 16.00	lecture	Showk
	16.00 – 16.30	coffee break	
	16.30	seminar	
Fri, 31 July	9.00 – 10.30	lecture	Didenko
	10.30 – 11.00	coffee break	
	11.00 – 12.30	lecture	Didenko
	12.30 – 14.30	lunch	
	14.30 – 16.00	lecture	Showk
	16.00 – 16.30	coffee break	
	16.30	seminar	

Preliminary topics of lectures

Xavier Bekaert:	*"Introduction into higher-spin theory" (lecture 1)*.
	"No-go theorems in higher-spin theory" (lecture 2).
Evgeny Feigin:	*"Two-dimensional conformal eld theory: physics and mathematics" (lecture 1)*,
	"Solitons, vertex operators and symmetries" (lectures 2{4).
Joseph Buchbinder:	*"Supersymmetric eld theory for beginners".*
Sheer El-Showk:	*"Solving conformal theories with the bootstrap"*.
Simone Giombi:	*"Introduction to higher spin/CFT duality".*
Vasily Pestun:	*"Lectures on supersymmetric localization"*
Marcus Spradlin:	*"Amplitudes in $N = 4$ Super-Yang-Mills Theory".*
Anastasia Volovich:	*"Hidden mathematical structures of scattering amplitudes".*
Eugeny Skvortsov:	*"HS symmetries in AdS and CFT".*
Vyatcheslav Didenko:	*"Introduction to HS equations in four dimensions" (lectures 1, 2)*,
	"HS black hole-like solutions" (lectures 3, 4).