

Additional information

Workload 240 h

Teaching cycle

Module description

	Module title			bbreviation
String Theory 1			11	1-STRG1-Int-201-m01
Module coordinator			Module offered by	
Managing D and Astroph	irector of the Institute of T ysics	heoretical Physics	Faculty of Physics and	l Astronomy
ECTS Met	hod of grading	Only after succ. compl. of module(s)		
8 num	erical grade			
Duration	Module level	Other prerequisites	•	
1 semester graduate				
Contents				
Familiarity w	for relativistic bosonic st			particular with the two clas-
sed bosonic of the boson nes. Knowle fields for coi	string. Knowledge of the ic string. Understanding odge of open string quantized ncident branes. In-depth	the quantum Lorentz of the boundary cond zation and the spectri knowledge of relativis	e of the massless gravit anomaly and the deriva tions for the open string um of massless gauge f stic conformal field theo	on in the spectrum of the clo- nation of the critical dimension g and its connection to D-bra- ields, as well as of Yang-Mills ory, the string path integral and
sed bosonic of the bosor nes. Knowle fields for coi its BRST qua	string. Knowledge of the ic string. Understanding odge of open string quantized ncident branes. In-depth	the quantum Lorentz of the boundary cond zation and the spectro knowledge of relativistion of string interacti	e of the massless gravit anomaly and the deriva tions for the open string um of massless gauge f stic conformal field the ons. Thorough understa	on in the spectrum of the clo- nation of the critical dimension g and its connection to D-bra- ields, as well as of Yang-Mills ory, the string path integral and
sed bosonic of the bosor nes. Knowle fields for coi its BRST qua tive actions	string. Knowledge of the ic string. Understanding of dge of open string quantization to the calculation and the calculation.	the quantum Lorentz of the boundary condi- zation and the spectri knowledge of relativi- tion of string interacti mergence of Einstein	e of the massless gravit anomaly and the deriva tions for the open string um of massless gauge f stic conformal field theo ons. Thorough understa gravity.	on in the spectrum of the clo- ation of the critical dimension g and its connection to D-bra-
sed bosonic of the boson nes. Knowle fields for coi its BRST qua- tive actions Courses (type V (4) + R (2)	string. Knowledge of the lic string. Understanding of dge of open string quantized ncident branes. In-depthemitization and the calculatin target space and the er	the quantum Lorentz of the boundary condi- zation and the spectri knowledge of relativi- tion of string interacti mergence of Einstein	e of the massless gravit anomaly and the deriva tions for the open string um of massless gauge f stic conformal field theo ons. Thorough understa gravity.	on in the spectrum of the clo- nation of the critical dimension g and its connection to D-bra- ields, as well as of Yang-Mills ory, the string path integral and
sed bosonic of the boson nes. Knowle fields for coi its BRST qua- tive actions Courses (type V (4) + R (2) Module taug	string. Knowledge of the sic string. Understanding of the dige of open string quantized neighbor of the string of	the quantum Lorentz of the boundary conditions zation and the spectro knowledge of relativistion of string interaction mergence of Einstein of the than General string in the conditions that the conditions is the conditions of th	e of the massless gravit anomaly and the deriva tions for the open string um of massless gauge f stic conformal field theo ons. Thorough understa gravity.	on in the spectrum of the clo- stion of the critical dimension g and its connection to D-bra- ields, as well as of Yang-Mills bry, the string path integral an



Module description

Referred to in LPO I (examination regulations for teaching-degree programmes)

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Module appears in

Master's degree (1 major) Physics International (2020) exchange program Physics (2023)
Master's degree (1 major) Physics International (2024)

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