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Module title Theoretical Elementary Particle Physics					Abbreviation	
					11-TEP-Int-201-m01	
Module coordinator				Module offered by		
Manag and As		ector of the Institute of T sics	heoretical Physics	Faculty of Physics and Astronomy		
ECTS	Meth	od of grading	Only after succ. co	mpl. of module(s)		
8	nume	rical grade				
Duration Mod		Module level	Other prerequisites			
1 semester graduate						
Conten	ts					
4. Parto 5. Basi 6. Gaus 7. Spor 8. Elect 9. Qual 10. Exte	on Mod cs of Q ge Theo ntaneou tro-Wea ntum C ensions	el of Hadrons lel and Deep Inelastic So uantum Field Theory ories us Symmetry Breaking ak Standard Model hromo Dynamics s of the Standard Model ning outcomes	attering			
standa calcula	rd mod tional	lel and its construction f	rom symmetry princip nd decay processes,	oles and experimenta	erstanding of the structure of the al observations. Knowledge of the I models and there are limitati-	
Course	S (type, i	number of weekly contact hours,	language — if other than Ge	erman)		
V (4) + Module		t in: English				
		sessment (type, scope, langu ble for bonus)	age — if other than German,	examination offered — if no	ot every semester, information on whether	
a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the metho of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.						

Language of assessment: English

Assessment offered: In the semester in which the course is offered and in the subsequent semester

Allocation of places

Additional information

Workload

240 h

Teaching cycle



Module description

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Module appears in

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

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