

Module description

		O MEONE ABILITY			
Module title				Abbreviation	
Particle Physics (Standard Model) 11-TPS-152-mo1					
Module coordinator			Module offered by		
Managing Directors of the Institute of Applied Physics and the Institute of Theoretical Physics and Astrophysics			Faculty of Physics and Astronomy		
ECTS Method of grading Only after succ. co		mpl. of module(s)			
	erical grade				
Duration	Module level	Other prerequisites			
1 semester	undergraduate				
Contents					
Bhabha scattering Z-Line Shape and forward / reverse asymmetry Higgs production and decay Experimental setup and results of key experiments to test the Standard Model and for determining its parameters Search for the Higgs boson					
Intended learning outcomes					
periments that		onfirmed the standar	d model. They are al	article Physics and the key ex- ble to interpret experimental or and limits.	
Courses (type, number of weekly contact hours, language — if other than German)					
V (4) + R (2)					
Module taught in: German or English					
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)					
or oral exami pages) or pre If a written ex stead take th of assessmer nation date a	nation in groups (groups of sentation/talk (approx. 30 samination was chosen as e form of an oral examinant is changed, the lecturer	of 2, approx. 30 minuto o minutes). o method of assessmetion of one candidate of must inform student	tes per candidate) o ent, this may be char e each or an oral exa	didate each (approx. 30 minutes) or project report (approx. 8 to 10 nged and assessment may inmination in groups. If the method weeks prior to the original exami	
Allocation of	places				
Additional information					
Workload					
240 h					
Teaching cyc	Teaching cycle				

 $\textbf{Referred to in LPO I} \ \ (\text{examination regulations for teaching-degree programmes})$

Module appears in



Module description

Bachelor' degree (1 major) Physics (2015)

Bachelor' degree (1 major) Mathematical Physics (2015)

Bachelor' degree (1 major) Mathematical Physics (2016)

Bachelor' degree (1 major) Physics (2020)

Bachelor' degree (1 major) Mathematical Physics (2020)

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