Module description

Module ti	tle			Abbreviation
Supersymmetry I and II				11-SUS-092-m01
Module coordinator			Module offered by	
Managing Director of the Institute of Theoretical Physics and Astrophysics			Faculty of Physics and Astronomy	
ECTS N	lethod of grading	Only after succ. con	cc. compl. of module(s)	
6 n	umerical grade			
Duration	Module level	Other prerequisites	es	
1 semester graduate		Certain prerequisites must be met to qualify for admission to as- sessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be con- sidered a declaration of will to seek admission to assessment. If stu- dents have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for as- sessment into effect. Students who meet all prerequisites will be admit- ted to assessment in the current or in the subsequent semester. For as- sessment at a later date, students will have to obtain the qualification for admission to assessment anew.		
Contents	I		sment anew.	
Supersym ticles. Pho Intended The stude tric mode	enomenology of LEP, Tevat learning outcomes ents have knowledge of the	nmetric standard mode ron and LHC, supersym mathematical and phy eory's formalism and re	l. Higgs sector. The s metric neutrino mas sical principles of su	ymmetry. spectrum of supersymmetric par- s models. Violation of R-parity. upersymmetry and supersymme- ons to other models as well as its
Courses (type, number of weekly contact hours, language — if other than German)				
V + R (no information on SWS (weekly contact hours) and course language available)				
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)				
a) written examination (approx. 90 minutes) or b) oral examination of one candidate each or oral examination in groups (approx. 30 minutes per candidate, for modules with less than 4 ECTS credits approx. 20 minutes) or c) project report (approx. 8 to 10 pages, time to complete: 1 to 4 weeks) or d) presentation/seminar presentation (approx. 30 minutes) Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009. Language of assessment: German, English				
	n of places			
Additional information				
Workload				
Teaching cycle				

8 83





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

Module appears in

Bachelor' degree (1 major) Physics (2010) Bachelor' degree (1 major) Physics (2012) Bachelor' degree (1 major) Mathematical Physics (2009) Bachelor' degree (1 major) Mathematical Physics (2012) Master's degree (1 major) Mathematics (2012) Master's degree (1 major) Mathematics (2010) Master's degree (1 major) Physics (2010) Master's degree (1 major) Physics (2011) Master's degree (1 major) Mathematical Physics (2012) Master's degree (1 major) FOKUS Physics (2010) Master's degree (1 major) FOKUS Physics (2011) Master's degree (1 major) FOKUS Physics (2011) Master's degree (1 major) Computational Mathematics (2012) Master's degree (1 major) FOKUS Physics (2006)

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