

# Research Area D Science Day

"What are the phase transitions in the early Universe?"



Tuesday, 21<sup>st</sup> July 2015, 13:30 – 20:00

**Venue:** Exzellenzzentrum / IGSSE  
(International Graduate School of Science and Engineering)  
Boltzmannstrasse 17  
85748 Garching

**Organizers:** Siegfried Bethke (MPP), Laura Fabbietti (TUM)  
and the Excellence Cluster Universe

## PROGRAM

13:30-14:00	P. Gasik:	ALICE Upgrade
14:00-14:30	P. Millington:	Radiative effects in decay of metastable vacua
14:30-15:00	J. Friedrich:	News from COMPASS
15:00-15:30	T. Poeschl:	A novel CubeSat-sized antiproton detector for space applications
15:30-16:00 Coffee		
16:00-16:30	A. Maier:	Precision determination of the mass of the bottom quark
16:30-17:00	K. M. Ecker:	Final Higgs results from Run I and prospects for Run II
17:00-17:30	Y.-M. Wang:	Determining anomalous Higgs couplings from angular variables in $H \rightarrow Z \ell \ell$
17:30-18:00	L. Fabbietti:	Strange hadrons in neutron stars
18:00-18:30	V. Shtabovenko:	Automatic Quantum Field Theory calculations with FeynCalc
18:30-20:00 Bayerische Brotzeit		
20:00 End of meeting		

Please join us! No registration, no fee.