

DEPARTMENT FOR PHYSICS, LMU  
Black Holes and their Thermodynamics  
Prof. D. Lüst  
WS 2019/20

# Exam Black Holes

February 7, 2020

The exam review will take place on March 4, 2020 between 2 p.m. and 3 p.m. in Room 313 at the Max-Planck-Institute for Physics (Föhringer Ring 6, 80805 München). If this date is not possible for you, please contact directly Marvin Lüben via email ([mlueben@mpp.mpg.de](mailto:mlueben@mpp.mpg.de)) to make an appointment.

## Grades

February 27, 2020

Matrikel number	Grade
11174214	4,0
11354871	2,0
11548750	1,0
11388863	2,7
12043654	1,7
11343773	1,7
11363118	2,0
12185323	2,0
12168188	2,0
11827968	2,7
11555645	1,3
11565760	1,0
12182857	3,3
11178978	1,7
11553141	3,7
12012618	2,3
12009901	1,7
11143979	1,7
12042134	3,0
12003680	1,7
12007022	1,0
11932420	1,3
11390134	2,7
12005991	1,3
12006020	1,0
11358054	1,0
11812623	3,0

1,0	1,3	1,7	2,0	2,3	2,7	3,0	3,3	3,7	4,0	5,0
$\geq 92\%$	$\geq 84\%$	$\geq 76\%$	$\geq 68\%$	$\geq 60\%$	$\geq 52\%$	$\geq 44\%$	$\geq 36\%$	$\geq 28\%$	$\geq 20\%$	$< 20\%$

Table 1: Grading system

**Grading system:** The maximum points is 48. We introduced an offset of 4 points such that 44 points corresponds to 100%. Then 9 points (20%) are necessary to pass the exam. For the grades we introduced a linear scale, c.f. tab. 1. If you reached 80% in the problem sheets, you get an extra bonus of 0,3. This yields the grades reported on the previous page.