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**Doctoral Degree Regulations
of Ludwig-Maximilians-Universität München for
the Faculty of Physics (2020)**

Dated November 21, 2019

Based on Art. 13 (1) sentence 2 in conjunction with Art. 64 (1) sentence 5 of the Bavarian Higher Education Act (BayHSchG), Ludwig-Maximilians-Universität München hereby enacts the following statutes:

Table of contents

I. General information

- Section 1 Doctorate
- Section 2 Bodies of the doctoral process

II. Commencement of the doctoral process

- Section 3 Admission with a Master's degree or equivalent
- Section 4 Admission with a Bachelor's degree
- Section 5 Request for acceptance as a doctoral candidate
- Section 6 Supervision
- Section 7 Supervision/examination authorization
- Section 8 Acceptance as a doctoral candidate
- Section 9 Doctoral candidate list

III. Doctoral examination

- Section 10 Request for admission to the doctoral examination
- Section 11 Dissertation
- Section 12 Admission to the doctoral examination
- Section 13 Doctoral commission
- Section 14 Assessment of the Dissertation
- Section 15 Participation of the other members of the doctoral commission and the other authorized examiners of the Faculty of Physics
- Section 16 Acceptance of the dissertation
- Section 17 Summons to the oral examination
- Section 18 Conduct and assessment of the oral examination
- Section 19 Overall grade of the doctoral examination
- Section 20 Re-attempting of doctoral examinations, failure to pass

IV. Completion of the doctoral process

- Section 21 Publication of the dissertation
- Section 22 Doctoral certificate and use of the academic title
- Section 23 Invalidity of doctoral examinations and revocation of the doctoral degree

V. Honorary doctorate

- Section 24 Honorary doctorate

VI. Procedural regulations

- Section 25 Assertion of and substantiation of reasons for which the candidate is not at fault
- Section 26 Crediting of competencies

- Section 27 Protective provisions under the Maternity Leave Act, the Federal Parental Allowance and Parental Leave Act, and the Period of Family Care Act
- Section 28 Compensation for disadvantages
- Section 29 Inspection of examination records, retention periods

VII. Final Provisions

- Section 30 Entry into force and transitional provisions

Annex

Jointly conducted doctoral processes

I. General information

Section 1 Doctorate

(1) The Faculty of Physics awards the academic degree of Doctor of Natural Sciences (“doctor rerum naturalium” = “Dr. rer. nat.”) for Ludwig-Maximilians-Universität München.

(2) This doctorate serves as proof of the ability to perform in-depth scientific work.

(3) The doctorate is awarded based on an independently written academic thesis (dissertation) and an oral examination.

(4) The dissertation must be written on a topic from an area of specialty that is represented by an authorized examiner from the Faculty of Physics in accordance with Section 7.

(5) The doctoral degree referred to in (1) may also be conferred in collaboration with a foreign university or faculty or a university of applied sciences via a doctoral process that is carried out jointly as specified in the Annex.

(6) The Faculty of Physics may, as a rare distinction, confer the academic degree of Honorary Doctor of Natural Sciences (“doctor rerum naturalium honoris causa” - “Dr. rer. nat. h.c.”) on behalf of Ludwig-Maximilians-Universität München for outstanding scientific achievements, in accordance with Section 24.

(7) All parties involved in the doctoral process shall undertake to comply with the Rules of Good Scientific Practice (guidelines of Ludwig-Maximilians-Universität München for self-regulation in science dated May 16, 2002, last amended by the resolution dated September 30, 2014, in the respective prevailing version).

Section 2 Bodies of the doctoral process

(1) The bodies of the doctoral process comprise the dean of the Faculty of Physics, the doctoral commission (Section 13), and the doctoral committee (2).

(2) ¹The doctoral committee consists of five members who are professors of the Faculty of Physics, and are appointed by the Faculty Council for a period of four years. ²Re-appointment is permissible. ³The dean cannot be appointed for this purpose. ⁴The members of the doctoral committee are to appoint a chairperson and deputy chairperson from among themselves. ⁵The doctoral committee may delegate the performance of certain tasks to the chairperson or deputy chairperson of the doctoral committee. This delegation of tasks is subject to revocation. ⁶The doctoral committee shall decide on all matters related to the awarding of doctoral degrees, unless such matters are under the purview of the dean, the doctoral commission, the faculty council, or the faculty. ⁷At the request of an involved party, it may review decisions made in accordance with these doctoral degree regulations, in particular those of the dean, and amend or revoke them where necessary.

II. Commencement of the doctoral process

Section 3

Admission with a Master's degree or equivalent

(1) ¹Applicants holding a Master's degree from a German university or university of applied sciences may be considered for admission to doctoral studies if they hold a degree with a good grade obtained from a Master's degree program in the natural sciences or mathematics; for the purposes of this provision, a Diplom, Magister, or Lehramt degree shall be considered equivalent to a Master's degree. ²A degree is considered to have a good grade if a minimum grade of "Good" is obtained, or if the candidate was placed among the best 30% of all participants for the examination date of the respective year. ³For a grading scale ranging from 1 (Very good) to 5 (Insufficient), the requirement of a minimum grade of "Good" equates to an overall grade of 2.50 or better; for other grading systems, the same criteria apply analogously. ⁴If the admission criteria are fulfilled exclusively based on a classification within a ranking, the candidate is to provide proof of this. ⁵In exceptional cases, proof of the necessary qualification can also take the form of exceptional academic achievements, e.g. academic publications which were published during or after completion of the course of study, provided that these achievements are equivalent to a Master's degree with a good grade; such a decision shall be made by the dean.

(2) ¹Admission criteria as specified in (1) fulfilled via foreign universities are to count towards the admission, unless there exist significant differences with regard to the competencies acquired (learning results). ²The dean shall determine the equivalence. ³The equivalence agreements approved by the Standing Conference of the Ministers of Education and Cultural Affairs of the Länder and the German Rectors' Conference are to be taken into account. ⁴When determining the grade, the "Agreement on the Determination of the Overall Grade for Foreign University Admissions Certificates" (resolution of the Standing Conference of the Ministers of Education and Cultural Affairs dated March 14/15, 1991, in the respective prevailing version) is to be taken into account.

(3) As an admission requirement, additional work may be required as proof of in-depth knowledge of the subject area of the dissertation (in-depth requirement); the dean shall decide on this in accordance with Section 8 (5).

(4) The candidate must not have definitively failed or successfully completed a doctoral process for obtaining the academic degree described in Section 1 (1).

Section 4

Admission with a Bachelor's degree

(1) Applicants holding a Bachelor's degree from a German university or university of applied sciences may be considered for admission to doctoral studies if all the following prerequisites are fulfilled:

1. ¹Degree with an excellent grade in a Bachelor's degree course in the natural sciences or mathematics lasting a minimum of three years. ²A Bachelor's degree is considered to have an excellent grade if a minimum grade of "Very

good” is obtained, or if the candidate was placed among the best 10% of all participants for the examination date of the respective year. ³For a grading scale ranging from 1 (Very good) to 5 (Insufficient), the requirement of a minimum grade of “Very good” equates to an overall grade of 1.50 or better; for other grading systems, the same criteria apply analogously. ⁴Section 3 (1) sentence 4 applies accordingly.

2. ¹Obtaining 60 ECTS credits after consultation with the mentor from compulsory or elective modules offered by one of the Master's degree programs of the Faculty of Physics in accordance with the specifications of the Examination and Study Regulations for the Master's degree program. ²The relevant examinations will need to be completed within one year upon enrollment following acceptance as a doctoral candidate in one of the Master's degree programs of the Faculty of Physics and an average passing grade of at least 2.50 or better obtained according to the weighted module grades in accordance with the respective Examination and Study Regulations of the Master's degree program. ³Being accepted to a doctoral studies program grants admission to one of the Master's degree programs as mentioned in sentence 2. ⁴Furthermore, the doctoral candidate is also advised to obtain a Master's degree; the research result of the Master's thesis can be used as a starting point for the doctoral project and thus form the basis for quicker completion of the doctoral process.
3. A commitment by an authorized examiner from the Faculty of Physics in accordance with Section 7 declaring the examiner's willingness to advise the Bachelor's degree holder as a mentor for the taking of examinations from a Master's degree program (mentoring commitment as described in (Section 5 (3))).

(2) Section 3 (2) and (4) apply accordingly.

Section 5 Request for acceptance as a doctoral candidate

(1) The request for acceptance as a doctoral candidate is to be submitted in writing to the dean's office of the Faculty of Physics.

(2) The original or an officially certified copy of the following documents are to be enclosed with the request for acceptance:

1. a curriculum vitae, which in particular provides information on the applicant's educational background;
2. a declaration concerning whether the applicant is aware of any criminal investigation proceedings against him or her;
3. a declaration concerning previous doctoral examinations, both passed or failed, indicating the university concerned as well as the subject, place, time and date of the examination;
4. certificates and evidence in German or English which prove that the

admission criteria for doctoral studies in accordance with Section 3 or Section 4 have been fulfilled;

5. for applicants with a Master's degree or equivalent: a written supervision commitment in accordance with Section 6 (2) by an authorized examiner from the Faculty of Physics in accordance with Section 7;
6. for applicants with a Bachelor's degree: a declaration that the applicant is aware that the acquisition of 60 ECTS credits from a Master's degree program offered by the Faculty of Physics is a prerequisite for doctoral studies, and that proof of this must be submitted to the dean's office in due time (Section 4 (1) number 2 sentence 2);
7. for applicants holding a Bachelor's degree whose first degree program was not completed at a university in a member state of the European Union: proof of a successfully completed GRE Subject Test in physics or mathematics; this proof is recommended for other applicants with a Bachelor's degree;
8. a declaration that the applicant is aware that inaccurate or incomplete information in the doctoral procedure may lead to sanctions, in particular, in addition to further sanctions, their acceptance as a doctoral candidate may be revoked, which will result in them being deemed to have failed to complete the doctoral process.

(3) ¹For applicants holding a Bachelor's degree, the application must, in accordance with Section 4 (1) number 3, also be accompanied by a mentoring commitment from an authorized examiner from the Faculty of Physics as specified in Section 7. ²The mentoring commitment is to be sent by the mentor directly to the dean. ³It is to contain a statement on the quality of the applicant and affirm the mentor's willingness to advise the applicant while taking examinations from the Master's program. ⁴In this commitment, the mentor may also express a possible interest in the academic supervision of a Master's thesis or the doctorate as well.

(4) ¹Applicants holding a Bachelor's degree who are accepted as doctoral candidates must, no later than within one year after enrollment in one of the Master's degree courses of the Faculty of Physics following acceptance as a doctoral candidate, submit to the dean's office proof of the acquisition of 60 ECTS credits from one of these courses of study in accordance with Section 4 (1) number 2. ²Furthermore, these applicants must submit a supervision commitment no later than two years after acceptance (Section 6 (2)).

Section 6 Supervision

(1) ¹The doctoral candidate requires regular supervision. ²Section 7 (5) remains unaffected.

(2) ¹In a supervision commitment, up to two authorized examiners as defined in Section 7 undertake to supervise the doctoral candidate for the purpose of writing a dissertation for a specified period, usually three years. ²One of the supervisors takes over as the first supervisor. ³If the doctorate is only supervised by one person, this

person shall be the first supervisor. ⁴The first supervisor and a preliminary topic for the doctoral thesis are to be specified in the supervision commitment. ⁵The supervision commitment may specify suitable conditions which serve to increase the chances of successfully completing the doctoral process.

(3) ¹The supervisor(s) and the doctoral candidate may, in addition to the supervision commitment, enter into a supervision agreement which lays out the expectations, obligations and duties of both parties during the doctoral process. ²In particular, a supervision agreement may govern aspects such as the regular furnishing of evidence on the progress of the doctoral project, either in the form of written reports, or in oral or some other form. ³If the conditions of the supervision agreement are not fulfilled, the agreement may specify sanctions, namely the termination of the doctoral process.

(4) ¹Supervision commitments and supervision agreements must comply with these doctoral degree regulations as well as all other legal regulations, and are not permitted to establish any obligations or stipulations not expressly provided for in these doctoral degree regulations. ²They are to be drawn up in writing and signed by both parties; they shall only enter into force upon being countersigned by the dean. ³A copy of the supervision commitment and/or the supervision agreement is to be submitted to the dean's office, where it shall be kept together with the other documents for the doctoral process.

Section 7

Supervision/examination authorization

(1) ¹Persons pursuing a doctoral degree are to be supervised by authorized examiners in accordance with Section 62 (1) sentence 2 BayHSchG in conjunction with the University Examiners Ordinance (HSchPrüferV), who are appointed by the dean. ²If this person is a full-time professor (Section 62 (1) sentence 2 number 1 BayHSchG, Section 2 (3) sentence 1, (1) sentence 1 number 1 BayHSchPG (Bavarian Higher Education Personnel Act)) or a non-active (*entpflichtet*) professor (Section 62 (1) sentence 2 number 1 BayHSchG), this professor shall be deemed to have been appointed as a supervisor. ³Retired professors and young academics holding a doctorate who head a junior research group independently financed by third-party funding and who fulfill the criteria of the HSchPrüferV may be granted the authorization to act as a supervisor by the dean upon request.

(2) Subject to the requirements in the Annex to these doctoral degree regulations, the supervisor may also be a professor at a foreign university and/or faculty, or a university of applied sciences.

(3) ¹The first supervisor of the dissertation is generally an authorized examiner from the Faculty of Physics of Ludwig-Maximilians-Universität München. ²A first supervisor who leaves Ludwig-Maximilians-Universität München or the foreign university or university of applied sciences, but who remains a university lecturer may, if he or she, the doctoral candidate, and where applicable, the second supervisor are in agreement, continue to supervise the thesis for a period of up to three years, and subsequently be appointed as the first reviewer. ³The dean may extend this period on a case-by-case basis.

(4) ¹In exceptional cases, the dean may, in particular if the first supervisor is no longer able to supervise the doctorate, permit unsupervised dissertations. ²Candidates will be notified of this in writing.

Section 8 **Acceptance as a doctoral candidate**

(1) ¹The decision of whether or not to accept a doctoral candidate lies with the dean. ²In the case of applicants with a foreign degree in accordance with Section 3 (2) or Section 4 (2), the dean may consult the International Office (Referat Internationale Angelegenheiten) of Ludwig-Maximilians-Universität München for advice in order to prepare for the decision. ³The decision is to be made as promptly as possible. ⁴The decisive factor for acceptance as a doctoral candidate is whether there exists a sufficient prospect of successful completion of the doctoral process.

(2) Applicants shall be rejected for a doctorate in the following cases:

1. The documents are incomplete or incorrect.
2. The admission criteria (Sections 3 and 4) have not been fulfilled, or
3. The applicant is unworthy of bearing a doctoral title as specified in Section 69 BayHSchG.

(3) Applicants are to be notified in writing by the dean of whether they have been accepted or rejected as a doctoral candidate.

(4) Upon acceptance as a doctoral candidate, the doctoral process is deemed to have commenced, and the doctoral candidate shall be entered into the doctoral candidate list of the Faculty of Physics in accordance with Section 9.

(5) ¹In the case of applicants with a Master's degree or equivalent, the dean may identify a need for in-depth study in accordance with Section 3 (3) and require additional work as proof of sufficient knowledge in the field of study of the dissertation. ²Possible additional work may include e.g. attendance of lectures in relevant fields as well as passing the corresponding examinations, or passing an oral examination lasting a minimum of 30 minutes on a relevant subject area. ³The dean shall determine the form of such additional work and set a reasonable deadline by which this work is to be completed. ⁴Furthermore, the dean shall determine whether the additional work is

1. a prerequisite for acceptance as a doctoral candidate, or
2. a prerequisite for admission to the doctoral examination in accordance with Section 12. ⁵These provisions are a component of the written notification regarding the acceptance as a doctoral candidate in accordance with (3). ⁶If the deadline set in accordance with sentence 3 is not complied with in the case of sentence 4 number 1, the applicant shall be rejected as a doctoral candidate and the doctoral process shall be deemed to not have commenced; a subsequent written notice of rejection shall be issued in accordance with (3). ⁷In

the event of sentence 4 number 2, Section 12 (1) sentence 3 shall apply in conjunction with (2).

Section 9 Doctoral candidate list

(1) ¹The dean maintains a doctoral candidate list which contains the names of all doctoral candidates who have been accepted for doctoral studies. ²If an applicant has been accepted as a doctoral candidate in accordance with Section 8, he or she is to be entered in the doctoral candidate list of the Faculty of Physics.

(2) If the candidate is at fault for not complying with the deadlines specified in Section 5 (4) and/or Section 8 (5) sentence 3, and/or if the candidate is rejected for admission to the doctoral examination, the doctoral candidate shall be struck from the doctoral candidate list.

(3) The dean's office shall record and maintain this list in accordance with the Higher Education Statistics Act (HStatG) dated November 2, 1990 (BGBl. I (Federal Gazette) p. 2414), last amended by law on December 7, 2016 (BGBl. I p. 2826), in the respective prevailing version for the specified cutoff date for the data to be collected on the doctoral candidates for submission to the Bavarian State Office of Statistics and Data.

III. Doctoral examination

Section 10 Request for admission to the doctoral examination

(1) ¹The request for admission to the doctoral examination is to be submitted in writing to the dean's office of the Faculty of Physics. ²This application must specify the title of the dissertation.

(2) The following are to be enclosed with the application for the doctorate:

1. Seven identical, hard-bound and paginated copies of the dissertation in accordance with Section 11. ²The doctoral committee may, in general or in individual cases, require that the dissertation additionally be submitted in an electronic format and may specify technical requirements to be fulfilled;
2. A copy of the abstract of the dissertation in accordance with Section 11 (5) sentence 2;
3. A list of previous publications in accordance with Section 11 (1) sentence 2;
4. A sworn declaration that the academic work submitted was performed independently;
5. A declaration that the dissertation has not previously been submitted to another doctoral commission, neither in whole nor in significant parts;

6. An official certificate of conduct or, in the case of foreign applicants, additionally a corresponding confirmation from the respective foreign government agency; the official certificate of conduct and the corresponding confirmation must be no older than three months;
7. Current versions of the documents and declarations specified under Section 5 (2) numbers 1 to 4 and 8;
8. A proposal for the members of the doctoral commission.

(3) The application for admission to the doctoral examination can only be withdrawn if the doctoral candidate has not received a decision rejecting the dissertation, the oral examination has not commenced, and no academic misconduct exists.

Section 11 Dissertation

(1) ¹The dissertation must demonstrate the doctoral candidate's ability to perform in-depth, independent scientific work. ²Pre-publications of parts of the dissertation are permitted in compliance with (7). ³The dissertation is to consist of a thesis or of multiple published articles (cumulative dissertation) in accordance with (2).

(2) ¹A cumulative dissertation must, in sum, constitute an achievement equivalent to a dissertation in accordance with (1). ²It requires prior written consent from the first supervisor as well as approval from the dean according to criteria generally established by the Faculty Council; the determination of equivalence falls under the purview of the reviewer. ³In the event of a cumulative dissertation, the scientific problem, the approaches used to solve it, the findings obtained and conclusions reached, as well as the literature consulted are to be presented in the form of a concise version. ⁴The publications accepted for publication and which appear in print or in electronic journals or archives shall constitute an integral part of the dissertation, and are to be printed in it in compliance with copyright law. ⁵Independent scientific achievements are to be clearly indicated; furthermore, a detailed explanation is to be provided on which parts were compiled independently and which have been contributed by co-authors.

(3) A dissertation written outside the Faculty of Physics in accordance with Section 7 (2) must be discussed with and approved by an authorized examiner in the relevant subject field from the Faculty of Physics before submission.

(4) ¹The dissertation is to be written in German or English.

(5) ¹The dissertation must be compiled independently. ²It must begin with an abstract no more than one page long which provides information on the problem and the findings. ³Furthermore, the dissertation is also to contain a table of contents and a complete list of the literature used, along with other sources of information. ⁴The author's own publications in accordance with (1) sentence 2 must be indicated as such.

(6) ¹The dissertation is to be submitted as an electronic document that is ready for print and as a manuscript of the size DIN A 4. ²The adding of supplements which are

not intended for printing and which are marked as such to the dissertation or the scientific documentation accompanying it is permissible. ³A cumulative dissertation must – notwithstanding Section 21 (5) sentence 2 – be submitted in a bound format, with all scientific articles scaled to the page size DIN A 4, regardless of the print format of the original publications.

(7) ¹Work by the author which has already served the purposes of an examination may not be submitted as a dissertation. ²However, findings from such work may be used for the dissertation, whereby the relevant work is to be indicated as such.

Section 12

Admission to the doctoral examination

(1) ¹The decision of whether or not to approve an application for doctoral studies lies with the dean. ²If a doctoral candidate with a Bachelor's degree has been accepted, timely submission of proof of the acquisition of 60 ECTS credits from one of the Master's degree programs of the Faculty of Physics is a prerequisite for admission to the doctoral examination. ³If, upon acceptance of a doctoral candidate with a Master's degree or equivalent, additional work was required in accordance with Section 8 (5) sentence 4 number 2, the timely completion of this work shall be a prerequisite for admission to the doctoral examination.

(2) Section 8 (1) sentence 4, (2) and (3) apply accordingly.

(3) If the application for doctoral studies is approved, the dean shall effect the decisions as laid out in Section 13 as soon as possible.

Section 13

Doctoral commission

(1) ¹The dean shall appoint a doctoral commission comprising four examiners and a substitute representative who, in the event that a commission member is indisposed or leaves the commission, shall replace this member, with the exception of the first supervisor. ²The first supervisor and the doctoral candidate may submit proposals to this effect. ³All commission members as well as the substitute representative must be authorized examiners in accordance with Section 7.

(2) ¹The doctoral commission consists of a chairperson, a first reviewer, a second reviewer, and a taker of minutes who is also authorized to conduct examinations. ²The first reviewer shall be the first supervisor; in the event of an unsupervised dissertation in accordance with Section 7 (5), the first reviewer shall be appointed by the dean. ³A minimum of three examiners and at least one reviewer must belong to the Faculty of Physics. ⁴One reviewer may belong to another German or foreign academic institution. ⁵The dean shall ensure that the fields of study relevant to the dissertation are adequately represented. ⁶If the dean is a member of the doctoral commission, his or her duties with regard to conducting of the doctoral examination shall be assumed by a vice dean.

Section 14 Assessment of the Dissertation

(1) ¹The dean will forward one copy of the dissertation to each member of the doctoral commission as well as the substitute representative; the remaining copies are to remain in the dean's office. ²The dean will request that the first reviewer and the second reviewer submit their expert opinions within a reasonable period of time. ³The expert opinions are to be received within two months after submission of the dissertation.

(2) ¹The reviewers shall each prepare a report, taking into account Section 11 (1) sentence 1 and (2) sentence 2. ²Each expert opinion is to characterize the doctoral candidate's performance and contain an evaluational recommendation for acceptance, acceptance subject to the incorporation of recommended changes or amendments prior to publication, return for revision, or rejection of the dissertation. ³The recommended changes and amendments as well as the specifications for revision must be adequately defined.

(3) ¹The assessment must be accompanied by a proposed grade in accordance with the following scale:

0.7	"summa cum laude"	= Excellent	= With highest praise: an outstanding achievement
1.0	"magna cum laude"	= Very good	= With high praise: an achievement particularly worthy of recognition
2.0	"cum laude"	= Good	= With praise: an achievement which corresponds to the requirements
3.0	"rite"	= Sufficient	= Sufficient: an achievement which is still sufficient despite its shortcomings
4.0	"insufficenter"	= Insufficient	= Insufficient: performance which does not meet the requirements

²Intermediate grades ("± 0.30") are permissible for the grades 1.0, 2.0 and 3.0; the grade 3.30 is "insufficenter". ³The proposed grade "insufficenter" can only be accompanied by the recommendation that the thesis be rejected. ⁴A recommendation to return the thesis for revision shall be considered as an objection to the acceptance of the doctoral thesis.

(4) ¹The expert opinions shall be forwarded to the dean. ²The dean is to ensure that this is performed within a reasonable period of time.

Section 15 Participation of the other members of the doctoral commission and the other authorized examiners of the Faculty of Physics

(1) ¹Upon receiving the expert opinions, the dean shall forward them to those members of the doctoral commission who have not been appointed as reviewers and to the substitute representative for their information. ²They may comment on the dissertation. ³These comments are to be submitted within a week upon receipt of this information. ⁴They may contain proposed grades in accordance with Section 14 (3); these

proposed grades must be justified via appropriate written comments.

(2)¹The dissertation, along with copies of the expert opinions, shall be displayed for a period of two weeks in the dean's office. ²The other authorized examiners of the Faculty of Physics are to be notified of this by the dean by sending them a copy of the abstract in accordance with Section 10 (2) number 2. ³During the period for which the thesis is on display, the other authorized examiners of the Faculty of Physics shall have the right to examine the thesis and to submit an appropriate opinion as well as a justified proposed grade in accordance with Section 14 (3).

Section 16 Acceptance of the dissertation

(1) ¹The dissertation shall be deemed to have been accepted if the expert opinions in accordance with Section 14 (3) and all comments in accordance with Section 15 do not give rise to any objections. ²If the proposed grades of the reviewers are in agreement and no other grade was proposed in any of the comments in accordance with Section 15, the grade proposed by the reviewers shall be the grade of the dissertation. ³Otherwise, the doctoral commission shall determine the grade of the accepted dissertation. ⁴The determination as described in sentence 1 is to be made by the chairperson of the doctoral commission.

(2) ¹The dissertation shall be deemed to have been rejected if the expert opinions and all comments in accordance with Section 15 propose the grade "insufficenter" or recommend rejection of the thesis. ²The determination as described in sentence 1 shall be made by the chairperson of the doctoral commission.

(3) ¹If, after the submission of the expert opinions or comments, there is an objection to the acceptance of the dissertation, the doctoral commission shall, after hearing the examiners and/or the other authorized examiners of the Faculty of Physics, decide on acceptance, acceptance subject to the incorporation of recommended changes or amendments prior to publication, return for revision, or rejection of the dissertation, as well as on the grading or obtaining of additional expert opinions from university lecturers of the Faculty of Physics or from external academics. ²The doctoral commission may subject the acceptance of the dissertation to the condition that recommended changes or amendments be incorporated before publication if the shortcomings of the dissertation justify neither a rejection nor a return for revision.

(4) ¹In the event of considerable objections, the dean may return the dissertation to the doctoral candidate once for revision, provided that acceptance of the dissertation can be expected after its revision on the basis of the candidate's prior performance. ²Should this be the case, the dean shall immediately notify the doctoral candidate of the deficiencies of the dissertation that were criticized, and of an appropriate period for revising it, which may not exceed two years. ³During this time, one copy shall remain on file. ⁴Alternatively, instead of a revision, the doctoral candidate may also submit a new thesis with the same topic within this period.

(5) The decision on whether to return the dissertation for revision or to reject it shall be issued by the dean to the doctoral candidate in a written notification.

(6) ¹The doctoral commission may recommend that a doctoral application be withdrawn for as long as no written notice of rejection has been issued. ²This is not possible in the case of academic misconduct.

(7) Should the dissertation be rejected, the doctoral application shall be deemed to have failed and the doctoral process terminated.

Section 17 **Summons to the oral examination**

(1) Once the dissertation has been accepted in accordance with Section 16, the time and place of the oral examination shall be set by the Dean.

(2) ¹The dean shall invite the doctoral candidate and the members of the doctoral commission to the oral examination one week before the appointed date. ²The members of the doctoral commission shall conduct and assess the oral examination. ³The chairperson of the doctoral commission shall preside over the oral examination. ⁴The first reviewer is to participate in the oral examination.

(3) ¹The chairperson of the doctoral commission may, with the consent of the doctoral candidate, admit the public as listeners to the presentation at the beginning of the oral examination (Section 18 (1), sentence 2); in this case, the date and time shall be announced on the notice board. ²The listeners shall be excluded from the in-depth scientific discussion (Section 18 (1) sentence 3), the determination and announcement of the results of the oral examination (Section 18 (3) in conjunction with Section 19 (3) sentence 1) as well as the announcement of the other examination results in accordance with Section 19 (3) sentence 1.

(4) If the doctoral candidate does not take the oral examination for reasons for which he/she is at fault, the examination shall be deemed to have been failed.

Section 18 **Conduct and assessment of the oral examination**

(1) ¹The oral examination is to be conducted in German or English and lasts for approximately one hour. ²The doctoral candidate will give a 20-minute presentation on the key findings of his or her dissertation. ³This will be followed by an in-depth scientific discussion, the aim of which is to demonstrate that the doctoral candidate not only has an adequate command of his or her field of work and areas associated with it, but also that the candidate is familiar with core structures and modern developments in his or her subject.

(2) ¹Particularly in the cases of Section 1 (5), the oral examination may, in exceptional cases, be conducted by way of a video conference if the members of the doctoral commission as well as the doctoral candidate agree to this in advance and in writing. ²Proper examination procedures must be ensured. ³Data protection requirements are to be complied with and smooth proceedings free of any technical difficulties are to be ensured. ⁴No electronic recording of the examination will be made.

(3) The taker of minutes shall compile a record of the essential matters and results of the oral examination, which is to be countersigned by the chairperson of the doctoral commission.

(4) ¹The doctoral candidate's performance will be assessed after a joint discussion between the individual examiners in accordance with the scale in Section 14 (3). ²The grade for the oral examination shall be calculated by the chairperson of the doctoral commission based on the unrounded arithmetic mean of the grades proposed by the examiners, truncated after two decimal places. ³Possible grades are as follows:

Up to 0.99	"summa cum laude"	= Excellent
From 1.0 to 1.49	"magna cum laude"	= Very good
From 1.50 to 2.39	"cum laude"	= Good
From 2.4 to 3.29	"rite"	= Sufficient

⁴If the doctoral candidate does not obtain a minimum grade of "rite" (3.29) based on his or her performance in the oral examination, the candidate is considered to have failed the exam.

(5) If the oral examination has been failed, the dean shall issue a written notice to the doctoral candidate, which shall also contain information on the options for repeating the examination in accordance with Section 20 (4).

Section 19 **Overall grade of the doctoral examination**

(1) The doctoral examination has been passed when the dissertation has been accepted and the oral examination has been passed.

(2) ¹The overall grade of the doctoral examination is determined by dividing the sum of the grade of the dissertation multiplied by 1.5 and the grade of the oral examination by 2.5. ²If both the dissertation and the oral examination receive a grade better than 1.00, the grade "summa cum laude" (Excellent) may be awarded by unanimous decision of the doctoral commission. ³In addition, the scale in Section 18 (4) sentence 3 shall apply.

(3) ¹Following the oral examination, the chairperson of the doctoral commission shall inform the doctoral candidate about the assessment of the dissertation, the results of the oral examination, and the overall grade of the doctoral examination passed. ²Furthermore, the doctoral candidate is to be informed that the certificate will only be issued after publication of the dissertation (Section 21), and that the doctoral candidate is only permitted to use the doctoral title after this point in time. ³The chairperson shall issue the doctoral candidate with a written notice indicating the overall grade, title and grade of the dissertation and the grade of the oral examination, and which references the provisions laid out in sentence 2.

Section 20
Re-attempting of doctoral examinations, failure to pass

(1) If the dissertation is rejected or returned for revision in accordance with Section 16 (2) or (4), the doctoral candidate may, within a reasonable period of up to two years after rejection or return, submit a revised or a new dissertation with the same topic (in both cases a second version of the dissertation) to the dean's office.

(2) If the doctoral candidate fails to submit a second version of the dissertation within the period specified in (1) for reasons for which he or she is at fault, the dissertation shall be deemed to have been rejected.

(3) ¹The second version of the dissertation must be submitted to the members of the original doctoral commission and evaluated by them if they are still available. ²In this case, Sections 14 and 15 apply accordingly. ³If the corresponding assessment of the second version is "insufficient" or if it is not accepted in accordance with Section 16 (1) to (3), the dissertation shall be deemed to have been rejected; it shall not be possible to return the dissertation again for revision or to re-submit a new dissertation on the same topic.

(4) ¹If the dissertation submitted to the Faculty of Physics has been accepted in accordance with Section 16, but the oral examination is not passed, only the latter is to be re-attempted. ²The oral examination can only be re-attempted once, at the earliest after three months, and at the latest within one year after the failed oral examination was taken. ³Should this period expire, the doctoral process shall be terminated.

(5) The doctoral candidate shall be notified of the passing or failing grade by the dean by means of a written notice.

(6) ¹If the dissertation is rejected or the oral examination is not passed, the doctoral examination has been failed for the first time. ²The doctoral candidate may then apply for acceptance as a doctoral candidate a second time with a different topic. ³If the candidate also fails in this doctoral process, he or she is considered to have definitively failed the doctoral examination.

IV. Completion of the doctoral process

Section 21
Publication of the dissertation

(1) ¹Upon passing the doctoral examination, the dissertation is to be made available to the scientific public in an appropriate fashion within one year. ²The dean may, in exceptional cases, extend the deadline in accordance with sentence 1 up to a total period of three years if a justified request from the doctoral candidate is received before the expiry of the publication deadline. ³If the obligation pursuant to sentence 1 is not fulfilled within three years upon passing the doctoral examination, the rights acquired via the doctoral examination shall expire.

(2) ¹If acceptance of the dissertation is subject to conditions in accordance with Section 16 (3) sentence 2, the amended version shall be submitted to the doctoral

commission before going to print, and confirmation obtained from the commission that the conditions have been fulfilled. ²Other changes to the dissertation before it is printed are also only permitted with the approval of the doctoral commission.

(3) ¹A dissertation is deemed to have been made accessible to the scientific public in an appropriate fashion if it is readily accessible at Ludwig-Maximilians-Universität München, while also being sufficiently accessible to the specialist public. ²To make a dissertation easily accessible at Ludwig-Maximilians-Universität München and/or as proof that the dissertation is sufficiently available to the specialist public, the university library is to be provided with six complimentary printed and bound copies of the dissertation. ³Moreover, the dissertation must either be published

1. in a journal,
2. in a series of publications,
3. as a single publication by a commercial publishing house with the publisher guaranteeing a minimum circulation of 150 copies, or
4. as an electronic version

⁴The content of the versions as mentioned in sentence 2 and sentence 3 must be identical. ⁵The electronic version mentioned in sentence 3 number 4 is to be uploaded to the server for electronic dissertations of Ludwig-Maximilians-Universität München. ⁶The university library is to be granted the right to produce and disseminate additional copies of the dissertation as well as to make the dissertation publicly accessible in data networks within the framework of its legal duties. ⁷The university library may define additional requirements, in particular technical requirements, both for the versions mentioned in sentence 2 and in sentence 3. ⁸In special cases, the doctoral commission may permit forms of publication other than those specified in sentence 3. ⁹The university library is to confirm the actions of the doctoral candidate for the fulfillment of the obligations specified in sentences 1 to 8.

(4) ¹The chairperson of the doctoral commission may also consider the obligation to make the dissertation available to the scientific public in an appropriate fashion to have been fulfilled even if the requirements of (1) are met with a delay as a result of a blocking notice due to

1. a patent application procedure, or
2. publication in a journal

. ²The prerequisite for this is that the requirements specified in (1) have been met in full, the point in time by which publication is to take place is discernible from the blocking notice, and publication of the dissertation can be performed independently by the university library. ³(1) sentence 2 and 3 as well as (3) sentence 9 apply accordingly.

(5) ¹(1) to (3) also apply for cumulative dissertations. ²Instead of repeating parts which have already been published elsewhere or which have been accepted for publication elsewhere, in the case of cumulative dissertations, it is also sufficient to specify the corresponding references; Section 11 (6), sentence 3 remains unaffected.

Section 22

Doctoral certificate and use of the academic title

(1) The date of the conferral of the doctorate shall be the date of the successful completion of the oral examination.

(2) ¹The doctoral certificate shall affirm in German and English that the doctorate has been awarded and shall provide a description of the doctoral degree and indicate the subject of the dissertation, the overall grade, and the date of the doctorate in accordance with (1). ²The certificate shall bear the signatures of the dean of the Faculty of Physics and the president of Ludwig-Maximilians-Universität München, and shall also bear the seal of the university.

(3) ¹The doctorate shall be conferred immediately upon fulfillment of the requirements in Section 21 by the dean handing over the doctoral degree certificate; this shall conclude the doctoral process. ²It is only after this point in time does the recipient earn the right to bear the academic title specified in Section 1 (1). ³However, before this point in time, the dean may grant the provisional right to use the academic title if

1. Section 21 (2) is not relevant or fulfilled, or
2. in the cases specified in Section 21 (3) sentence 3 numbers 1 to 3, a corresponding contract or a confirmation of the fulfillment of these requirements exists.

Section 23

Invalidity of doctoral examinations and revocation of the doctoral degree

(1) ¹If, prior to the award of the doctoral certificate, it becomes known that the doctoral candidate has behaved fraudulently in the doctoral process or that the awarding of the academic degree would otherwise prove unlawful, the doctoral committee shall, after consultation with the dean, declare all qualifications acquired to date as being invalid, and shall terminate the doctoral process. ²The doctoral process shall terminate and the doctoral examination shall be deemed to have been definitively failed. ³The dean shall issued a written notice to the person concerned of this decision.

(2) ¹If the fraudulent behavior or other unlawful activity only becomes known after the doctoral certificate has been issued, the doctoral examination may subsequently be declared as having been failed by the doctoral committee in consultation with the dean, and the doctoral degree may be revoked in accordance with Art. 69 BayHSchG in conjunction with Art. 48 BayVwVfG (Bavarian Administrative Procedure Act). ³(1) sentence 3 applies accordingly. ⁴The doctoral certificate shall be withdrawn.

(3) ¹If the fraudulent act proves to be insignificant in nature, the doctoral committee may officially establish the act of fraud committed vis-à-vis the person concerned if interest in such an establishment exists. ²In particular, such an interest may arise in general from the desire to protect confidence in the institute for doctoral studies and compliance with the Rules of Good Scientific Practice, as well as from the interests of third parties in clarifying their own authorship.

(4) ¹In the cases of (2) and (3), the person concerned shall be ordered to mark all copies of the dissertation which have yet to be disseminated with a clearly visible note indicating the fraudulent act. ²This also applies to versions of the dissertation that are published electronically. ³For the purposes of fulfilling the obligations arising from sentences 1 and 2, all persons and institutions, in particular university libraries, specialist libraries and publishing houses which may be assumed to have copies of the dissertation, are to be informed immediately by the person concerned. ⁴Sentence 3 shall apply analogously to copies of the dissertation that have already been disseminated.

(5) The doctoral committee may utilize electronic aids to identify attempted acts of fraud.

V. Honorary doctorate

Section 24 Honorary doctorate

(1) ¹The Faculty of Physics may, as a rare distinction, confer the academic degree of Honorary Doctor of Natural Sciences (“doctor rerum naturalium honoris causa” – “Dr. rer. nat. h.c.”) on behalf of Ludwig-Maximilians-Universität München for outstanding scientific achievements. ²An honorary doctorate cannot be awarded for purposes other than to recognize scientific achievements and merits (e.g. patronage).

(2) ¹The conferring of “Dr. rer. nat. h.c.” is performed following an application submitted by two professors and by resolution of the Faculty Council of the Faculty of Physics. ²In the invitation to the meeting of the Faculty Council, it must be expressly mentioned that an honorary doctorate is to be discussed and decided upon. ³In addition to a majority of the members on the Faculty Council, a majority of the professors belonging to the Faculty Council is also required in order for the resolution to be adopted; otherwise, the application shall be rejected and cannot be resubmitted at Ludwig-Maximilians-Universität München.

(3) The honorary doctorate is to be conferred in a ceremonial fashion via the presentation of an honorary certificate that highlights the honoree’s merits.

(4) Section 23 applies accordingly.

VI. Procedural regulations

Section 25 Assertion of and substantiation of reasons for which the candidate is not at fault

¹In the event of reasons for which the candidate is not at fault, the candidate is to assert them immediately upon their occurrence by submitting a written notification to the dean's office and providing substantiation. ²In the event of illness, a medical certificate is to be submitted; the submission of a certificate of incapacity for work is insufficient. ³The dean may, in individual cases or in general, require the submission of a medical certificate from a public health officer or a certificate from a physician chosen at the dean’s discretion. ⁴If the reason is accepted, a new date shall be

scheduled. ⁵In the case of examinations which can be split up into parts, existing examination results are to be credited.

Section 26 **Crediting of competencies**

(1) ¹Study periods, study and examination achievements completed or obtained in another degree program at Ludwig-Maximilians-Universität München or in degree programs at other state or state-recognized institutions of higher education in the Federal Republic of Germany, through successful participation in a distance learning unit as part of a degree program at a state or state-recognized institution of higher education in the Federal Republic of Germany, or in degree programs at foreign institutions of higher education are to be credited, unless there exist significant differences with regard to the competencies acquired (learning outcomes). ²The same applies to periods of study, study and examination achievements completed or obtained at a state or state-recognized institution of higher education in Bavaria as part of other studies pursuant to Art. 56 (6) numbers 1 and 2 BayHSchG, in special programs offered in accordance with Art. 47 (3) sentence 1 BayHSchG or at the Virtual University of Bavaria (vhb).

(2) ¹Competencies acquired as part of other further education studies in accordance with Art. 56 (6) number 3 BayHSchG or outside the higher education sector may be credited if they are equivalent. ²Competencies acquired outside the higher education sector may replace no more than half of the competences to be demonstrated.

(3) ¹If study or examination achievements are credited, the grades – insofar as the grading systems correspond – shall be adopted and used for the calculation of grades in accordance with these doctoral degree regulations. ²The grades transferred shall be indicated as such and the transfer noted. ³If the grading systems do not correspond, the dean shall determine a grade for the study and examination achievements credited based on the grading levels pursuant to Section 14 (3), and shall do so in accordance with sentences 1 and 2. ⁴Sentences 1 to 3 shall apply accordingly for the allocation of ECTS credits.

(4) ¹Doctoral candidates must submit the documents required for the crediting procedure to the dean's office no later than by the end of the first semester after the start of the doctoral process if periods of study and study or examination achievements which were already completed before the start of the doctoral process are to be credited. ²For the crediting of periods of study and study and examination achievements completed after the start of the doctoral process, the documents must be submitted to the dean's office in the respective semester following their acquisition. ³Proof of periods of study to be credited are normally furnished by submitting the record of study from the university at which the period of study was completed. ⁴For the crediting of study and examination achievements, a confirmation from the respective university at which the study and examination achievements were obtained is to be submitted. This confirmation must contain the following information:

1. Which individual examinations (oral and/or written) were to be taken in which examination subjects as part of the overall examination,
2. Which examinations were actually taken,

3. An assessment of the study and examination achievements and where applicable, the subject grade,
4. The grading system on which the assessment is based,
5. In the case of degree programs with credit point systems: the number of credit points awarded for the individual courses in which the study and examination achievements to be credited were obtained, as well as the number of credit points required for successful completion of the degree program,
6. The scope of the individual courses in which the study and examination achievements to be credited were obtained, specified as the number of semester hours per week, and
7. Whether an overall examination has not been passed based on the existing results, or is deemed to have been failed as a result of other circumstances.

⁵Suitable evidence (certificates, documentation, etc.) will need to be submitted for the crediting of competencies acquired outside the higher education sector.

(5) Submission of a certified German translation may be required for certificates and documents which were not issued in German.

(6) The dean shall decide on the recognition of periods of study, study and examination achievements after considering the opinion of the relevant subject representative.

Section 27

Protective provisions under the Maternity Leave Act, the Federal Parental Allowance and Parental Leave Act, and the Period of Family Care Act

(1) The assertion of the protective provisions in accordance with the Maternity Leave Act (Mutterschutzgesetz) in the respective prevailing version according to the deadlines of the Federal Parental Allowance and Parental Leave Act (Bundeselterngeld- und Elternzeitgesetz) in the respective prevailing version concerning parental leave as well as for the care of a close relative as defined in Section 7 (3) of the Period of Family Care Act (Pflegezeitgesetz) in the respective prevailing version who is in need of care as laid out in Section 14 and Section 15 of the Eleventh Book of the Social Code (SGB XI) in the respective prevailing version, shall be made possible.

(2) ¹The faculty is to determine which courses, whose location, time and scheduling are defined in a binding fashion for students by the Ludwig-Maximilians-Universität München, are not compulsory for pregnant or breastfeeding doctoral candidates; the same shall apply to internships which are defined as being compulsory as part of a university's course of study. ²Doctoral candidates who are pregnant or breastfeeding should inform the dean's office of this as early as possible. ³The dean, in consultation with the course director, shall immediately determine the concrete protective measures required in accordance with the event-independent risk assessment pursuant to sentence 1 and shall

inform the pregnant or breastfeeding doctoral candidate of this. ⁴Simultaneously, the course director shall invite her to a meeting to discuss further adjustments to the study and examination conditions to meet the needs of the doctoral candidate during her pregnancy or breastfeeding. ⁵Disadvantages due to pregnancy, childbirth or breastfeeding are to be avoided or compensated for. ⁶The general regulations on compensation for disadvantages remain unaffected. ⁷Registration for an examination does not constitute an express declaration to waive the periods of protection, even if it is submitted after prior formal notification of the pregnancy or the period of breastfeeding in accordance with sentence 2.

Section 28

Compensation for disadvantages

(1) ¹Severely disabled persons and persons with equal status (Section 2 (2) and (3) of the Social Code - Ninth Book - SGB IX in the respective prevailing version) shall, upon request, be granted an extension in the examination duration of up to one quarter of the normal examination period by the doctoral commission, depending on the severity of the proven examination disability. ²In cases of particularly severe examination handicaps, the duration of the examination may be extended by up to one-half of the normal examination duration upon request. ³In addition to, or as an alternative to an extension of the examination duration, other appropriate forms of compensation may be arranged.

(2) ¹Other doctoral candidates who are significantly impaired from taking the examinations due to an identified, not merely temporary physical disability or chronic illness may be granted compensation for disadvantages in accordance with (1). ²In the case of temporary disabilities, other suitable measures may be taken.

(3) ¹Applications for compensation for disadvantages must be submitted no later than when registering for an examination, or no later than one month before the respective examination. ²The disability must be substantiated. ³The dean may require that evidence for this be provided in the form of a medical certificate. ⁴Section 25 sentences 2 and 3 apply accordingly.

Section 29

Inspection of examination records, retention periods

(1) ¹Within three months after completion of the doctoral examination, the doctoral candidate shall, upon submission of an application, be granted access to the reports and records relating to the doctoral examination at the dean's office of the Faculty of Physics within a reasonable period of time. ²The dean's office may announce that, by way of derogation from sentence 1, such access will be granted at another location of Ludwig-Maximilians-Universität München; an announcement by the dean's office stating this other location published exclusively on the internet shall be deemed sufficient.

(2) ¹The full examination records including the dissertation shall be archived for a minimum of five years. ²The basic file, which in particular contains a copy of the doctoral certificate, shall be retained indefinitely. ³The records may be kept in electronic form.

Final Provisions

Section 30

Entry into force and transitional provisions

(1) These statutes shall enter into force on January 1, 2020.

(2) Doctoral candidates who have already been admitted to doctoral studies after submitting a dissertation in accordance with the doctoral degree regulations of Ludwig-Maximilians-Universität München for the Faculty of Physics dated April 19, 1993 (KWMBI II p. 483 (Official Gazette of the Bavarian State Ministries of Education and Cultural Affairs and of Science and the Arts)), last amended by statutes dated November 24, 2003 (KWMBI II 2004 p. 932), shall complete their doctoral process in accordance with the doctoral degree regulations of Ludwig-Maximilians-Universität München for the Faculty of Physics dated April 19, 1993, in the respective prevailing version.

(3) ¹Up until June 30, 2020 (cut-off date!), doctoral candidates whose dissertation topic stems from a subject according to Section 1 (4) may declare that they are already working or have worked on a dissertation as of January 1, 2020 based on the doctoral degree regulations of Ludwig-Maximilians-Universität München for the Faculty of Physics dated April 19, 1993 in the respective prevailing version, and that they wish to complete their doctoral process based on the doctoral degree regulations of Ludwig-Maximilians-Universität München for the Faculty of Physics dated April 19, 1993 in the respective prevailing version. ²This declaration in accordance with sentence 1 is irrevocable.

(4) ¹Up until June 30, 2020 (cut-off date!), doctoral candidates whose dissertation topic stems from a subject according to Section 1 (4) may declare that they are already working or have worked on a dissertation as of January 1, 2020 based on the doctoral degree regulations of Ludwig-Maximilians-Universität München for the Faculty of Physics dated April 19, 1993 in the respective prevailing version, and that they wish to complete their doctoral process based on the doctoral degree regulations of Ludwig-Maximilians-Universität München for the Faculty of Physics dated #. ²The point in time since which the doctoral candidates have already been working on the dissertation is to be stated. ³The declarations according to sentences 1 and 2 are irrevocable. ⁴If there exist sufficient indications that doctoral candidates have already been working on their dissertations for longer than declared according to sentences 1 and 2, the doctoral process shall be deemed to have begun correspondingly earlier on the basis of the doctoral degree regulations of Ludwig-Maximilians-Universität München for the Faculty of Physics dated #; supervision commitments and/or supervision agreements shall be deemed to have been entered into correspondingly earlier. ⁵The deadlines are to be calculated accordingly.

(5) If no declaration is submitted pursuant to (3) nor pursuant to (4), (1) shall apply.

(6) From January 1, 2020 onwards, doctoral processes whose dissertation topic stems from a subject according to Section 1 (4), can no longer commence on the basis of the doctoral degree regulations of Ludwig-Maximilians-Universität München for the Faculty of Physics dated April 19, 1993, last amended by statutes dated November 24, 2003.

Annex

Jointly conducted doctoral processes

A. Doctoral processes conducted jointly with a foreign university/faculty

I. A doctoral process conducted jointly with a foreign university/faculty requires that

1. An agreement on cross-border supervision (co-tutelle) of the doctorate is entered into with the foreign university/faculty,

2. The requirements for acceptance as a doctoral candidate, a supervision commitment, and the admission criteria are fulfilled both at the foreign university/faculty and, in accordance with Section 3 or 4 of these doctoral degree regulations, at the Faculty of Physics of Ludwig-Maximilians-Universität München, and

3. The doctoral candidate undertakes to use only one doctoral degree at a time, either that of Ludwig-Maximilians-Universität München or that of the foreign university/faculty, but not both concurrently.

II. ¹The agreement shall be entered into between the dean of the Faculty of Physics with the foreign university/faculty. ²It is to be signed by the dean and the president or rector of the foreign university as well as by the Dean of the Faculty of Physics and the president of Ludwig-Maximilians-Universität München.

III. ¹Upon completion of a joint doctoral process, the doctoral candidate will be awarded the doctoral degree of the foreign university/faculty and the degree of Doctor of Natural Sciences (“doctor rerum naturalium” = “Dr. rer. nat.”) of Ludwig-Maximilians-Universität München. ²The doctoral candidate will also receive a written notice confirming the joint supervision and which references the obligation set out in No. I. 3.

B. Doctoral process conducted jointly with a university of applied sciences

I. A doctoral process carried out jointly with a university of applied sciences requires that a corresponding cooperation agreement exists and that the faculty council gives its approval.

II. A supervisor of equal standing may also be a full-time professor (Art. 62 (1) sentence 2 number 1 BayHSchG, Art. 2 (3) sentence 1, (1) sentence 1 number 1 BayHSchPG) from a university of applied sciences.

III. The doctoral certificate will contain a note that the academic degree was awarded within the framework of a joint doctoral process with the corresponding university of applied sciences.

Issued pursuant to a resolution of the board of university representatives of Ludwig-Maximilians-Universität München dated November 14, 2019 and the approval of the President of Ludwig-Maximilians-Universität München dated November 21, 2019, No. I.3-456.17:1

Munich, November 21, 2019

Signed by

Prof. Dr. Bernd Huber, President

These statutes were filed on November 21, 2019 at Ludwig-Maximilians-Universität München. The filing was announced on November 21, 2019 via posting at Ludwig-Maximilians-Universität München. The date of the announcement is therefore November 21, 2019.