

Name member reading committee: Tomas Polivka

Form, as a part of the assessment to allow the PhD student to defend his thesis.

Name PhD student: Pavel Maly

Title thesis: Role of system-bath interaction timescale in photosynthetic excitation energy transfer

1. **Originality/innovation:**

The thesis contains new and original research focused on a hot topic in photosynthesis research, the role of protein environment in light-harvesting. The thesis provides new insights into understanding the roles of protein environment in photosynthetic processes and represents a perfect mix of theoretical and experimental work, targeting the hot issues in photosynthetic research.

2. **Scientific quality:**

The results presented in the thesis are of high scientific quality as it is documented by publication of the results in top scientific journals in the field. The author also demonstrated a broad knowledge ranging from sophisticated theoretical approaches to high-end spectroscopic techniques. Seeing such combination of theoretical and experimental knowledge is rather rare in doctoral dissertations, further underlining the high scientific quality of the thesis.

3. **Presentation/legibility:**

The results are clearly presented and graphical layout of the thesis is of high quality. The central theme of the thesis, photosynthetic light-harvesting, is nicely described in the Introduction section, both theoretically and experimentally. The theoretical and experimental methods are introduced in an understandable way making it very useful also the future readers.

4. **Overall assessment:**

The thesis is of top quality and contains new results that are of high interest in the field of photosynthesis.

CONCLUSION: the undersigned advises to allow the PhD student to defend the thesis.

09/02/2018

(date)

* Specify the applicable