

School of Physics and Astronomy  
Schuster Laboratory  
The University of Manchester  
Manchester M13 9PL  
Telephone: 0161-275 4220  
Fax: 0161-275 0480  
e-mail: jeff.forshaw@manchester.ac.uk

5<sup>th</sup> December 2012

To Whom It May Concern:

I write enthusiastically in support of **Dr Peter Millington** who has applied for a postdoc position in your group. I have known Peter for around 6 years now – starting with his period as an undergraduate here in Manchester.

This reference must necessarily be brief because I do not have a very detailed knowledge of Peter's PhD work. However, I can speak generally and leave more detailed and specific comments to Professor Pilaftsis, his supervisor. Peter was one of the very best students in his undergraduate class (of around 250 students) and he carried this success forward into his PhD studies. Peter is exceptionally bright and capable – he possesses a very rare blend of talent, organization, responsibility and dedication. Moreover, he is a very rounded and gregarious individual – an excellent communicator and a pleasure to have around.

At first sight, the lack of publications may appear to weaken Peter's application. However, if ever there were a case where such a judgement would be unjust, this is it. Peter and Apostolos have recently posted a real tour-de-force onto the arXiv. Their 100 page paper on non-equilibrium thermal field theory is, I believe, destined to have a very major impact on the field. Surely this paper will serve as a gateway to several future publications, possibly on the applications of the method to particle physics in the early universe. I am also currently collaborating with Peter on a project relating to causality in quantum theory and I have been very impressed by Peter's attitude and ability to think originally.

Peter has worked with exceptional dedication and focus on the project with Apostolos. He really is a talent and it would be a sorry state of affairs were he to leave the field so early. For these reasons, I encourage you to give his application the most serious consideration. He has all the qualities to make a big impact in theoretical physics.

Yours faithfully,

Professor Jeffrey R. Forshaw