

Prof. dr hab. Maria Krawczyk  
Institute of Theoretical Physics  
Faculty of Physics,  
University of Warsaw

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To whom it may concern

### Letter of recommendation

I know Venus Keus since I was a referee of her PhD Thesis (summer 2012) based on group theory treatment of the multi-Higgs doublet models. The thesis and the public defense were on very high level. They showed ability of Venus Keus for performing calculations and presenting main results of analysis with a true understanding. The thesis constitutes an advance analysis of the important aspects of high energy physics related to symmetries and its violation in the scalar sector. It contains new results particularly relevant now after discovery of the Higgs-like particle at LHC in July 2012. One should point out that the field of high energy physics was new for Venus Keus, as her higher education was in different areas of physics, nevertheless she had managed to finish her thesis in very short time (less than 3 years). I had several discussions with her and I was impressed by her intelligence, clear thinking and ability to hard work.

I am sure she is very valuable candidate for the postdoc position.

Yours sincerely,

Maria Krawczyk