

Cornell University

**Yuval Grossman**  
Professor of Physics  
Department of Physics  
Cornell University  
467 Physical Science Building  
Ithaca, New York 14853  
Tel. 607-255-4916  
E-mail yg73@cornell.edu

December 3, 2012

Dear Committee Members,

I am writing to strongly support the application of Avihay Kadosh for a postdoc in your group. I have known Avihay for many years. He was an undergraduate student in the "Introduction to Particle Physics" course I taught at the Technion. Later on, I was talking to him when he was a graduate student of Michael Gronau. Since I moved to Cornell and Avihay moved to Holland, we have kept in contact and have discussed physics over emails and on the phone. A few months ago, I invited him to visit Cornell and give a talk, which gave me new insight into how he is developing.

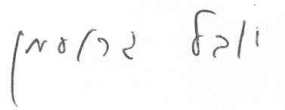
Until recently, Avihay work basically alone. That is, unlike many graduate students that at least initially work very closely with their advisors, Avihay worked alone during both his M.Sc. and Ph.D. studies. The ideas for all of his papers came only from him, without basically any guidance. One other point that struck me is that Avihay is very dedicated to what he is doing. He spent a lot of time and effort and was able to produce very nice physics in somewhat unfavorable conditions.

I was very impressed when I met Avihay a few months ago. I saw a mature and independent graduate student. He has amazing drive and a lot of knowledge, and most importantly, a lot of original, nice ideas. He wrote a good paper on  $A_4$  model building and is now working on a follow-up. He is close to finishing a paper on charm mixing and alignment. Avihay has interesting ideas regarding modulus stabilization with domain wall branes, where the back reaction of the metric is taken into account.

Last year when Avihay applied, my letter for him was not very strong, but this year I feel that he has made a lot of progress and is very different. He has not followed a standard route, and the fact that he has developed so much is a great indication that he can and will continue to do very well. You should look very carefully at his file. He might be that hidden

gem that can be a great hire for you.

Sincerely,

A handwritten signature in black ink, appearing to read "Yuval Grossman". The signature is written in a cursive, slightly slanted style. The first part of the signature is enclosed in a light blue rectangular highlight.

Yuval Grossman