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Padova, July 2023

To Whom It May Concern,

I have had the pleasure of knowing Monisha for the past year during her master's studies at the Physics department of Padova (Italy), where she consistently demonstrated exceptional dedication, passion, and talent in the field of physics.

Monisha's decision to pursue her master's thesis on the subject of the renormalization group showcases her ambition and interest in the most sophisticated theoretical approaches to understand complex systems, the Renormalization group (RG). RG is a challenging area of study that requires a deep understanding of phenomena characterized by diverging length-scales and the emergence of correlation functions decaying as power laws. Moreover, it deals with singularities in the limit of infinite degrees of freedom, known as the thermodynamics limit. Monisha has shown a strong inclination towards analytic approaches and possesses a remarkable aptitude for tackling complex theoretical concepts with great independence.

Throughout her master's studies, Monisha consistently achieved excellent grades in her physics courses, reflecting her exceptional understanding of complex theoretical concepts and her ability to apply them to real-world problems. She has a natural talent for critical thinking, asking insightful questions, and approaching scientific challenges with both creativity and analytical tools. Her genuine curiosity and enthusiasm for understanding fundamental principles in depth make her stand out among her peers.

As one of her research advisors, I had the privilege of witnessing Monisha's research skills firsthand. Her exceptional organizational skills and attention to detail make her a meticulous and reliable researcher. Furthermore, she possesses strong communication skills, enabling her to articulate complex ideas clearly and concisely. This quality is vital for successful collaborations and the effective presentation of her achievements.

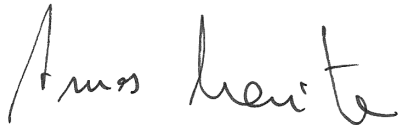
I am confident that Monisha has all the qualities necessary to thrive in demanding programs. Her analytical mindset, coupled with her passion for exploration, will

undoubtedly lead to significant contributions in whichever field she chooses to pursue. Her prowess, acumen, and personal qualities make her a standout candidate for advanced programs.

Monisha's presence will undoubtedly enhance the intellectual atmosphere of any group or institution she becomes a part of. I wholeheartedly recommend her for any endeavor she chooses to pursue. Please feel free to contact me should you require any further information regarding Monisha or her qualifications. I extend my recommendation and sincere support for Monisha's application.

Yours sincerely,

Amos Maritan <sup>a</sup>

A handwritten signature in cursive script that reads "Amos Maritan". The signature is written in black ink and is positioned below the typed name.

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<sup>a</sup> Head of the Laboratory of Interdisciplinary Physics, <https://www.liphlab.com/people/amos/>