

inside

the Perimeter

fall/winter 2018/19



Quantum quandaries

Musical neutron stars

People of PI

Lasers!

... and much more

PERIMETER  INSTITUTE FOR THEORETICAL PHYSICS

PROJECTIONS

MAPPING THE INTERIOR



“Niayesh Afshordi, ‘Cosmological non-Constant Problem’”

Kača Bradonjić is a physicist with a research interest in general relativity. She’s also a painter with an interest in constructing a visual vocabulary to represent interior landscapes. At the intersection of Bradonjić’s two identities – physicist and artist – is the project called Projections.

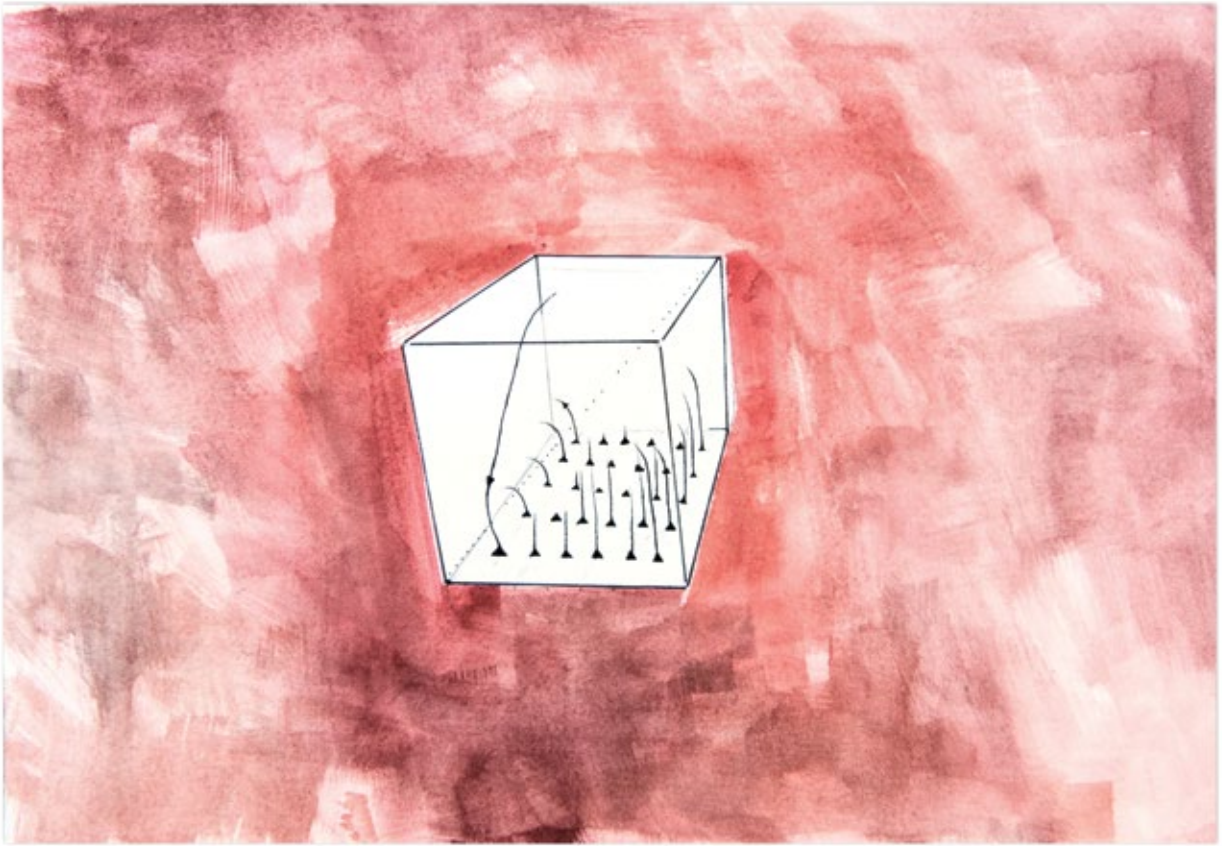
A few years ago, Bradonjić began painting during talks at scientific conferences she attended, using watercolours to capture her impressions. Her work caught attention and she was invited to come to paint the conference “Asymptotic Safety in the Dark Universe,” held in June at Perimeter Institute.

Each painting was begun as the talk began and finished as the talk finished. Each takes the talk’s title as its title. Some contain symbols which map onto the ideas of the talk: Feynman diagrams, intersecting planes, asymptotic peaks. Others capture the feel of the room: confidence or uncertainty, conflict or concurrence, the darts of ideas being tossed back and forth.

Her hope is to put on public display what’s normally a mostly closed-door affair: the emotional energy and complexity of scientific collaboration.



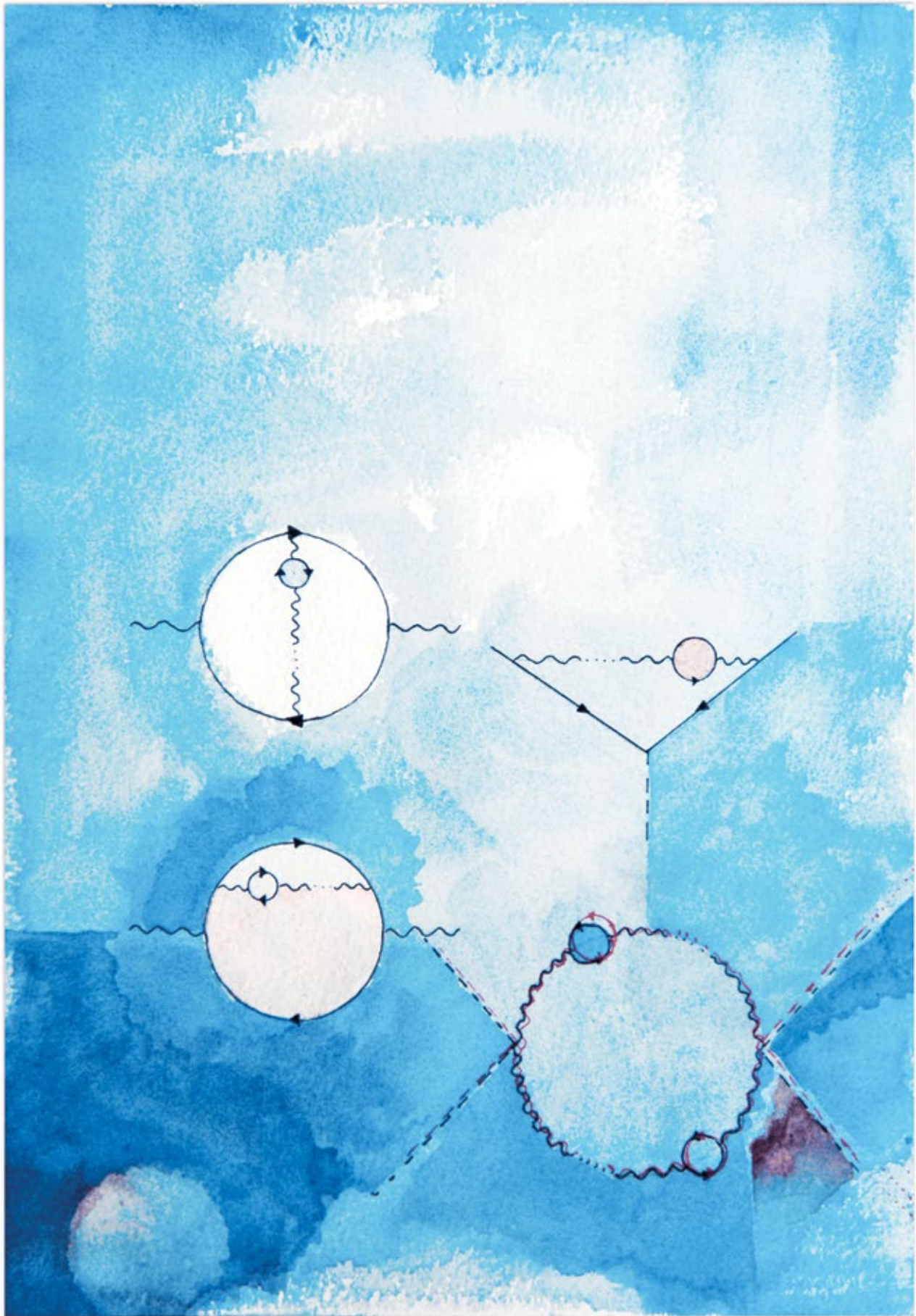
“Nicola Dondi, ‘Constraining Asymptotic Safety using central charges’”



“Steven Abel, ‘Progress in constructing an Asymptotically safe Standard Model, 1’”



“ASIDU, Group Discussion 2”



“Anders Eller Thomsen,
‘Beta functions at large N_f ’”



“Astrid Eichhorn, ‘Shedding light on dark matter in asymptotic safety’”

