

Ideas and proposals from Melbourne

Takashi Kubota
(The University of Melbourne)

15/02/2017

AM08 workshop



THE UNIVERSITY OF
MELBOURNE



CoEPP

ARC Centre of Excellence for
Particle Physics at the Terascale

Aims & proposals of Melbourne group

- To contribute to maximise the likelihood of on-time delivery of the AM08 (and eventually 2020) for the phase-II track trigger in VHDL programming, digital simulation and characterisation
 - Will streamline whole VHDL related steps (programming – (static timing analysis) – digital simulation)
 - “Specification based” approach
 - Jafar will continue to take major role in the characterisation
 - We plan to facilitate a lab with some graduate students
- To set up a collaboration of interdisciplinary application of AM envisioning to obtain Australian fund
 - Explore needs and resources in Australia
 - Primarily targeting Australian Research Council (ARC) funds, which will open during October 2017 – March 2018 (next page)

Core funding opportunities

- **ARC Future Fellowship** (open mid October):
 - 4 year fellowship for mid career researcher
 - \$800,000 for personnel (including CI salary), travel and small facility
 - Success rate ~15%
- **ARC Discovery Project** (open early December):
 - 1-5 year project with PI (including international PI)
 - \$350,000 (typical) for personnel, travel and small facility
 - Success rate ~18%
- **ARC DECRA** (open mid January):
 - 3 year fellowship for early career researcher
 - \$350,000 for personnel (including CI salary), travel and small facility
 - Success rate ~15%