

ITC CONFERENCE GRANT SCIENTIFIC REPORT

This report is submitted for approval by the grant to the MC Chair.

Action number: CA15108

Conference title: Dark Machines

Conference start and end date: 2019/04/07 to 2019/04/12

Conference attendance start and end date: 2019/04/07 to 2019/04/12

Grantee name: Barry Dillon

ACTIVITIES DURING YOUR ATTENDANCE AT THIS CONFERENCE:

(max.500 words)

During the conference I attended all of the talks on each day, and contributed to questions and discussions. I also took part in working group discussions on machine learning uses in high energy physics, in particular dark matter searches at the LHC. On the Thursday I gave a talk presenting my work with colleagues at IJS, and received useful feedback from other conference participants.

IMPACT ON YOUR RESEARCH AND FUTURE COLLABORATIONS (if applicable)

(max.500 words)

I joined two working groups while at the conference and will contribute to the Dark Machines white paper. The connections I made at the conference could possibly lead to additional collaborations with members of the Dark Machines group.