Cooperation with the Ministry of Education Oman
Oman Science Festival 2019

Michael Hoch for CMS and the art@CMS & ORIGIN team
Contact with Oman Education Ministry and Geneva Mission since 2015

2017, Invitation to the Oman Science Festival – Michael Hoch keynote presentation at the opening about interdisciplinary science education.
Oman Science Festival 2019

- M. Hoch received an Invitation to present an exhibition of the style IBS cultural center Daejeon/ Korea 2019
  https://www.youtube.com/watch?v=8l7V6pYOlmI&t=241s

- Requested Educational program: lectures & workshops on science & art

  Target audience:
  1) high school teacher
  2) high school students
  3) primary school students

Introduce “Cultural Collisions” format, like Ontario Science Centre Toronto/ Canada 2018 for a possible project in Oman 2021
  https://www.youtube.com/watch?v=4Hkrr1mCz7o
Exhibition venue:
Convention Centre Muscat
‘Meet the Universe’ exhibition 210m²

Science Topics:
particle physics: CERN & ATLAS, ALICE, CMS, LHCb
Gravitational waves: LIGO, VIRGO
Neutrino physics: ICEcube

Contributions talks, lectures workshops:
Martin Hendry / LIGO
Michael Hoch / CMS
Amr Radi & Team / Local University

Contributions material:
• Handouts CERN, ATLAS, ALICE, CMS, LHCb
• Laser interferometer : LIGO, VIRGO
• Detector Hardware: CMS

https://www.youtube.com/watch?v=8i7Y6pY0imI&t=241s
Oman Government in the exhibition “Meet the Universe”

Secretary General of the Council of Ministers

Minister of Education

Minister of Information Technology
Using the exhibition to perform:

- Talks
- Lectures
- Guided exhibition tours
- Workshops
  - Science
  - Creative

Audience:

- Government
- High school students
- Primary school students
- University students
- General Public

- Presentations given by
Lectures by
Amr Radi & SQU team
Local Scientists,
Particle Physics/ CERN

Dr. Martin Hendry LIGO
Gravitational waves &
Astrophysics

Dr. Michael Hoch CMS
Particle Physics /CERN &
Educational Formats
From the right Dr. Assous the head of Physics department in SQU, Dr. Maya ALAzri Ministry of Education and Undersecretary of the Ministry Education

Dr. Amr Radi & SQU University team in public engagement and student education
Creative workshops
Science Flash Mob
primary school student lectures

Creative workshops
Science workshop
creative teacher workshop
education material

LHC photo wall

education material

education material

space time distortion workshop

detector hardware on display
Lectures by local scientists from SQU

Children workshops

Astrophysics

Public engagement by local SQU University staff
Acknowledgement

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• Thank to all ORIGIN partners for their contributions and support

• Thanks to the Sultan Qaboos University team for their local support and important engagement and education contributions.