

"South East European cross disciplinary science education, engagement and networking Initiative"

- <u>Time scale</u> to initiate 3-4 years: 2018 2022 (once program disseminated -> self-sustained by local community)
- Midterm or long-term aim: Create sustainable network who may run interdisciplinary activities on science with art.

http://mhoch.web.cern.ch/mhoch/Art@CMS/Science4Peace interdisciplinaryScienceEducationEngagementNetworkingTour art@CMS.pdf

Kick off or example event already 2018:

Split/ Croatia (17th – 23th September)

Cetinje/ Montenegro (October 9th – 11th)

Tirana/ Albania (October 10th -12th)

Sarajevo/ Bosnia (October 15th – 19th)

Imotski/ Croatia (October 27th)

Possible scenario and cities 2019, 2020 and 2021:
Ljubljana (Slovenia), Zagreb [Osijek#, Rijeka#] (Croatia),
Belgrade [Novi Sad#, Niš#] (Serbia), Sarajevo [Banja
Luka#, Mostar#] (Bosnia and Herzegovina), Podgorica
(Montenegro), Tirana (Albania), Pristina (Kosovo *),
Skopje (FTR Macedonia)

This project will mutually Create dialogue, cross boarder networking and exchange, as well as engagement on common topics based on scientific methodology and culture. The nature of this program supports to work with mixed teams of different regions for mutual presentations and common engagement.

Cultural Collisions — Split /Croatia by ORIGIN Old City Hall — Sept. 17th -22nd 2018

Exhibition, lectures, round table discussion, workshops;

Petak, 21, ruina 2018

"A Bia Bana Machine on the Moon

Javna predavanja i okrugli stol će se održati u palači Milesi, u okviru konferenije "LHC Days in

* Moguće su grupne posjete izložbi za učenike svih uzrasta. Za dogovor se javite emailom na

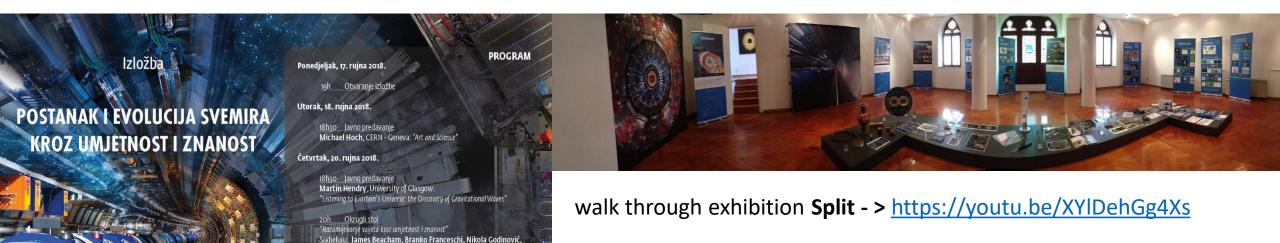
Stara graďska vijećnica, Narodni trg, Split

17. do 21. rujna 2018.

u vremenu od 10h - 20h

Ulaz slobodan

Workshops: Physics and Music (Arduino Explora), Gravitational waves (Torino interferometer), Playing with data (CMS tool developed for Canada) Next years event:



Cultural Collisions — Split / Croatia by ORIGIN train the trainers

During the main exhibition we trained students from primary and secondary schools to act as lectures for following (see next slides).



Cultural Collisions — Split / Croatia by ORIGIN

Researchers night – September 28th

<u>Format:</u> students we trained become lecturer to general public and traning other students.

Audience during the researchers night: few thousands citizens





Cultural Collisions — Split / Croatia Visiting primary school — October 2nd

Format: exhibition & lectures, one day

Audience: about 100 primary school students



Cultural Collisions — Split / Croatia by ORIGIN Four secondary schools — October 3rd

Format: exhibition and lectures, one day

Exhibition presented by **trained students**Lectures given by **CMS scientists**

Audience: about 500 secondary school students



Cultural Collisions — Split / Croatia by ORIGIN Primary school visit — October 29th

Format: lectures with trained student, training & participation



art@CMS – Art University Collaboration

Gallery National Museum, Cetinje/Montenegro October 2018

Format: art exhibition lectures and Cultural Collisions workshop start 3 schools 85 students

Event is the final show of our 2 semester course "art@CMS – Art University Collaboration, 2017/2018" Presentation: Final presentation of 5 university art students + art@CMS collaborative artists

Video walk through the exhibition : https://youtu.be/UUnBDYhiSlk



LHC workshop & cross disciplinary exhibition Akademia Shkencave Tirana / Albania October 2018

Format: 2 day science workshop enhances by "light art exhibition", aim: inspire students and general public and build up interest in our science community

Audience: 3 guided tours with High School students + general public conference







Science & Art, Sarajevo /Bosnia by ORIGIN Fine Art Academy, 15th -22nd October 2018

Format: cross disciplinary exhibition ORIGIN, public lectures in the exhibition

Audience: general public and about high school students 400 attending lectures

Further remark: Art university Sarajevo requests of art university collaboration



Cultural Collisions, Imotski / Croatia by ORIGIN Exhibition and Concert, October 27th 2018

<u>Format</u>: Exhibition, masterclass, lectures, concert with French and local orchestra -2 workshops in parallel with 2 teams:

Physics & Music, Gravitational Waves, Playing with data

Audience: 400 students of 4 school attending lectures and 70 students workshops participants



rom a seismogram to a melody...



Cultural Collisions, Imotski / Croatia by ORIGIN City Hall, October 27th 2018



Format: ORIGIN exhibition, masterclass, lectures, music concert

Concert of the French youth orchestra and the local orchestra paying together.

general public audience in exhibition and concert: ~ 500

Video of the joint concert performance "Beethoven Ode to Joy" https://youtu.be/H6y8ziRyEaw





Fundraising: "South East European cross disciplinary science education, engagement and networking Initiative"

Organizations who raised interest and possible funding or collaboration opportunities:

UNESCO

Austrian Cultural Forum Sarajevo

Western Balkan Funds

Regional UN department Montenegro

JRC-ISPRA

COST European Cooperation of Science & Technology

RYCO (Regional Youth Cooperation Office)

RCC – Regional Cooperation Council

Council of Europe

OSZE

Our local partners in the region:

Ministry of Science Montenegro

Embassy France Sarajevo

Embassy Austria Sarajevo

recent / ongoing / past events and methods

Following slides:

- Tbilisi/ Georgia Science & art events at TSU and GSU Sept/ Oct 2018
- International start of next artUniversity collaboration semester 2018/2019
- Japan Art & Science collaboration upcoming event and outlook 2020
- Science Rapper ConSensus US tour November 2018
- general introduction to Format:
 - "Science&Art@School" and "Cultural Collisions"
- Cultural Collisions Canada 2018

Science & Innovation Festival 2018 by ORIGIN

September 22nd – 31st Tbilisi / Georgia

Format: ORIGIN exhibition, lectures

Audience: festival visitors, general public, University students, and organized school students

Lectures by CMS and ATLAS colleagues to about **400 students** organized by the **Teachers House** collaborator

art@CMS collaborative artists presented: Xavier Cortada, Michael Hoch, Anastasia, Chris Henschke, Peter Bellamy, Paul Schuster,





Walk through the exhibition https://youtu.be/wAYkB5fgyVo



Science & Innovation Festival 2018 by ORIGIN

Tbilisi State University TSU - September 22nd – 31st Tbilisi / Georgia

ATLAS and CMS were represented at Tbilisi State University (TSU) at the request of, and sponsored by, the Georgian Ministry of Science and Education.

The occasion was a **Science and Innovation Festival** organised in the context of the **100**th **anniversary of the university** attended by general public, university and school students with their teachers.

ATLAS and CMS combined forces to present an exhibition based on the recently developed ORIGINS format in a large central hall that would have just accommodated CMS (but not ATLAS).

Small displays of Muongrapher and LIGO were included, alongside ATLAS, CMS, and art@CMS posters and hardware.

Georgian ATLAS and CMS colleagues supported the exhibition acting as guides and interpreters.

Special presentations on CERN, particle physics, ATLAS and CMS were organized each afternoon for school students and teachers. In total about 400 students ranging in age from 9 to 18 years from 15 schools attended.

The **Deputy Minister for Science and Education and the Rector of the TSU University** thanked everyone involved and expressed the desire to continue this very successful educational and outreach collaboration.



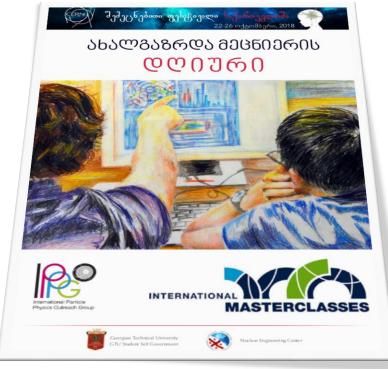
CERN Cognitive Festival in Georgia, 22-25 October, 2018

• IPPOG Masterclasses — 3 Days; 96 schoolkids from 9 schools; ~70 guests









Junior Scientist Diary awarded to each participant

CERN Cognitive Festival in Georgia, 22-25 October, 2018

Format: Art & Science exhibition, masterclass workshops, public lectures

Settings: 20 art works (80x80cm); 40 science art photos (50x50cm); 18 art prints (80x80cm); 3 photo walls; 3 video screens



Cultural Collisions /Natural History Museum September 2018-April 2019, Vienna /Austria by ORIGIN



New start of artUniversities Collaboraiton

Semester 2018 - 2019

• Central Saint Martins CERN visit Jan.14th 18th 2019

• Applied Arts Vienna CERN visit Jan.14th 18th 2019

• KASK CERN visit February March 2019

ORPHEUS and ESA Lille

Possible Shows of final art works to be discussed for:

EPS2019 July,

CERN open Day, 14th 15th September 2019

Vienna ORIGIN exhibition, first two weeks in September 2019



Muographer collaboration with ORIGIN

November 28th – December 1st 2018

Invitation of our ORIGIN partners 'Muographer' for their annual conference and workshop in foster cross disciplinary international collaboration. -> brainstorming session for ORIGIN events 2019 and 2020 (parallel to Olympic games in Tokyo)

http://muographers2018.muographers.org/attend/program-schedule-at-a-glance/origin/

MUOGRAPHERS 2018 / ATTEND / PROGRAM SCHEDULE AT A GLANCE /
INTERNATIONAL WORKSHOP ON PROMOTION OF THE EU-JAPAN HIGH ENERGY PROJECTS AND ACTIVITIES

PROGRAM & EVENTS

- CONFERENCE SCHEDULE BY DAY
- GENERAL ASSEMBLY
- INTERNATIONAL WORKSHOP ON THE EU-JAPAN COOPERATION TO ENHANCE THE EUROPEAN/GLOBAL MUOGRAPHY NETWORK COMMUNICATIONS
- INTERNATIONAL WORKSHOP ON HIGH-ENERGY ART & SCIENCE: TOWARDS 2019 EVENT IN COOPERATION WITH THE FINE-ART-MUOGRAPHERS, Art@CMS, ATLAS, ALICE, AND LIGO/VIRGO
- INTERNATIONAL WORKSHOP ON PROMOTION OF THE EU-JAPAN HIGH ENERGY PROJECTS AND ACTIVITIES
- PANFL DISCUSSIONS
- PUBLIC LECTURES
- POSTERS
- ARTWORK
- CONCERT
- TOUR

INTERNATIONAL WORKSHOP ON PROMOTION OF THE EU-JAPAN HIGH ENERGY PROJECTS AND ACTIVITIES

WS WORKSHOP

WEDNESDAY, 28 NOVEMBER, 13:05-14:15, AUDITORIUM, DELEGATION OF THE EUROPEAN UNION TO JAPAN

WORKSHOP DESCRIPTION

The MSCA-RISE project was approved by the European Commission in June 2018 to enforce the EU-Japan Muography Network, and now it's time to consider how to effectively promote our EU-Japan joint effort in high energy projects and activities to engage more in the communication of our research to the public. Meet face to face the members of groups represented in ORIGIN- Network (Alice, Atlas, CMS, LIGO/VIRGA, and MUOGRAPHERS) to share our vision towards the 2019 Muographers and to discuss goals for the 2018 Muographers.

ORIGIN NETWORKING PRESENTORS

OPENING REMARKS

Hiroyuki Tanaka, University of Tokyo, Thursday, 28 November, 01:05-01:10 p.m.

Recent trend of the muographic cultural outputs

Hiroyuki Tanaka, University of Tokyo, Thursday, 28 November, 01:10-01:25 p.m.

Recent ORIGIN networking activities

Michael Hoch, Art@CMS, LHC, CERN, Thursday, 28 November, 01:25-01:40 p.m.

Round Table Discussions

Contributors: Art@CMS, ALICE, ATLAS, LIGO/VIRGO, and MUOGRAPHERS, Thursday, 28 November, 01:45-02:15 p.m.

Consensus Concerned US tour November 2019

Financial Times article; Oct 2018

https://www.ft.com/content/b4ecf4d8-d940-11e8-aa22-36538487e3d0

Interview BBC, Nov 2018

https://www.bbc.co.uk/sounds/play/p06qfhr5

released Videos of his 9 track album "ConCERNed":

"Dark Matter"

https://www.youtube.com/watch?v=OkeA2ePJGK8

"Method to the Madness"

https://www.voutube.com/watch?v=tJl8-ArzkBg&feature=youtu.be

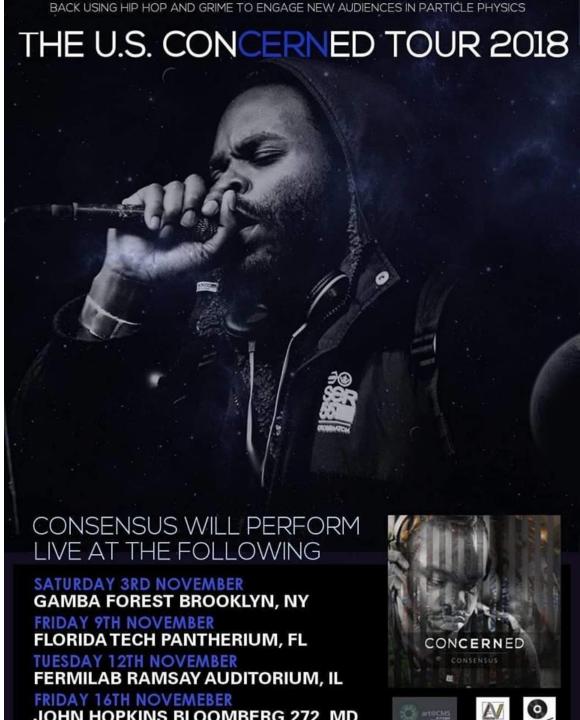
"CMS [Grime Music in CERN]" ttps://www.youtube.com/watch?v=1ju3fo37yLE&feature=youtu.be

"Antimatter"

https://www.voutube.com/watch?v=2UupDCfg-LA

FERMILAB talk:

http://events.fnal.gov/arts-lecture-series/events/event/rapper-consensus-free-lecture-demonstration/



Swiss Cultural Festival – and Swiss outlook October November 2018

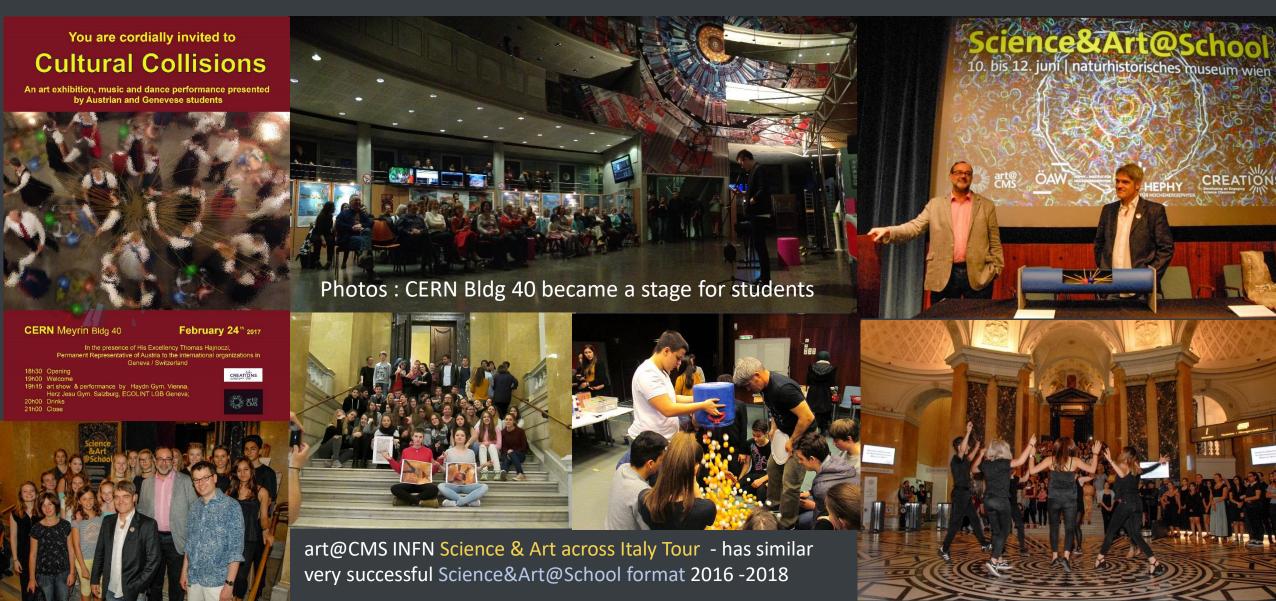
Format: participation with lectures, workshops and performances

Participation of Guenther Dissertori ETH Zuerich, Hans-Peter Beck UniBern, Michael Hoch art@CMS
Launch of study to bring the Natural History Museum Vienna exhibition to Switzerland (after Hamburg / Germany)





Science&Art@School – Cultural Collisions





Science&Art@School

science&art@school – first workshop 2012/2013

- 1) Support the teacher to prepare the students
- 2) Organization of a Virtual Visit with participating experiments
- 3) Scientists go to school and give lectures
- 4) Creative production at school
- 5) Final student artwork exhibition



Cultural Collisions - science engagement methodology

🕽 Michael Hoch

- 1) Participating science teacher receive science support material
- 2) Organization of a Virtual Visit with participating experiments
- 3) Curate in collaboration with public venue "RESEACH & INSPIRANTION" experience first exhibition

Use the framework of the exhibition to organize a series of

- LECTURES on science and art topics
- WORKSHOPS science workshops as well as creative workshops
- Further activity for students and general public:
 - special topic talks
 - round table discussion with scientists and specialists of other fields in the arts, education or completely different
 - documentary film presentations (e.g. "The Beauty of Science", "ATLAS
- 4) Send the school groups back with the challenge to do on their own further scientific research and create science related artworks under the supervision of the science teacher & the art teacher
- 5) Organize a second exhibition in a prominent venue where the results of the student artworks are presented
 - Possibility: selection of the best artworks, competition and award for the best artworks?

sciARTmasterclass – Montenegro Science Festival 2017









Students participating in the

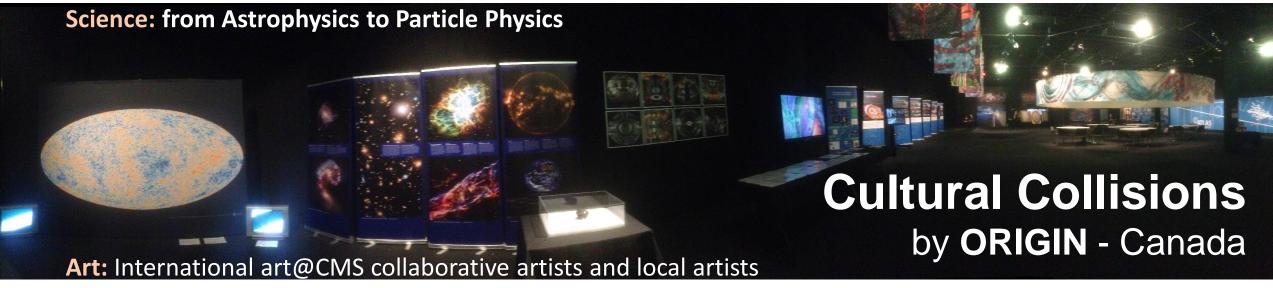
CMS Junior Scientist Program -> Booklet

art@CMS interdisciplinary Exhibition with: real detector & accelerator equipment, art works, creative corners, lectures and detector workshops as well as sciART workshops.

Montenegro 2017: https://www.youtube.com/watch?v=9vflW-Pf7vg
Athens 2015: https://www.youtube.com/watch?v=tT8MHsCaYks







Venue: Ontario Science Centre, OSC

First exhibition April 9th – 15th 2018 student research and inspiration

Second exhibition: May 29th – June 3rd at OSC: students art-works presentation

A formal evaluation by the Ministry of Education

Organization: creation of ORIGIN

Toronto Ministry of Education: general and education organization,

evaluation

art@CMS: Exhibition curation ORIGIN: Scientific curation

art@CMS, ATLAS, CLS, CMS, LIGO/VIRGO, Muography, Perimeter Institute

More institutions are interested to join: TRIUMF, Snowlab





ORIGIN



Cultural Collisions Canada – week schedule

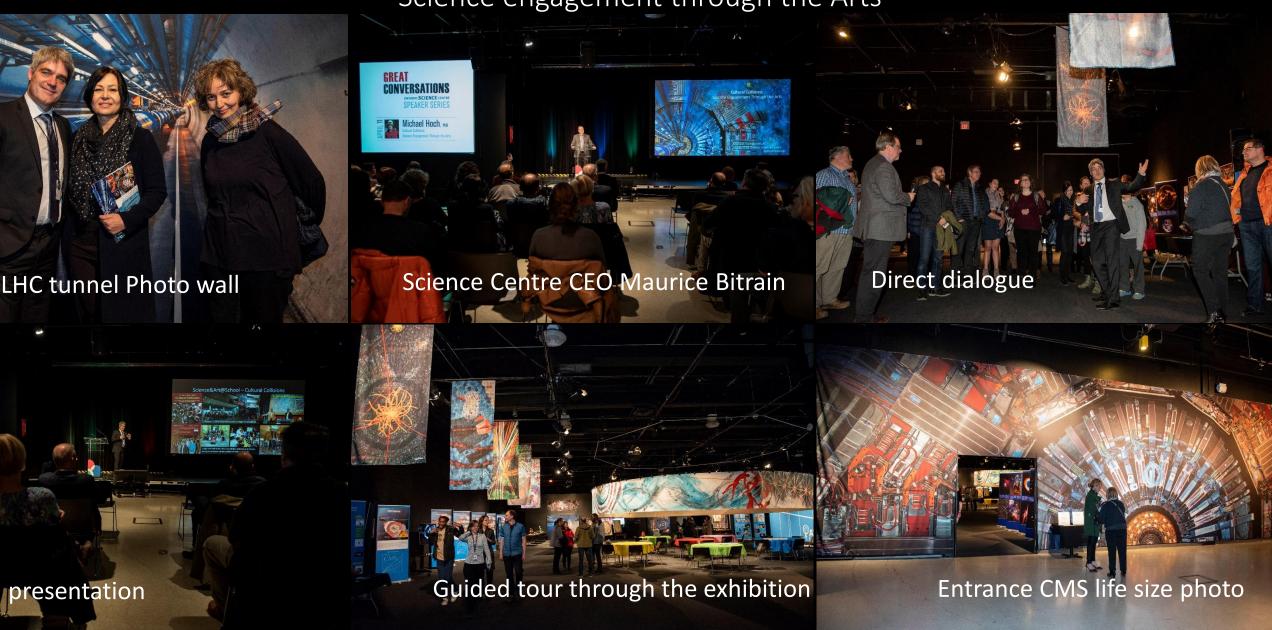
Cultural Co	ollisions Project with Origin - Maximum n	umber of students	per day (Tuesday -	Friday) is 100 to ac	commodate worksho	ops - Exhibit can a	lways handle visitors	5	1.00					1 - 3	- M-	1		1 × 1	
	Monday April 9, 2018 Tuesday April 10, 2018						Mercredi 1			Thursday April 12, 2018 Friday April 13, 2018							Saturday April 14, 2018	Sunday April 15, 2018	
	Schools: Danforth Collegiate, Ecole secondaire Toronto Ouest, University of Toronto Schools				versity of Toronto	Ecole secondaire Toronto Ouest (61 étudiants - 10e et 11e année) - École francophone				University of Toronto Schools (95 students - Grade 8, 10) - Shifted schedule 30 minutes later - Start time is 9:30 am this day only!				Open for Ontario Science Centre Invitations to Participate - York Region Schools				Open to the public - Open at 10 am	Open to the public - Open at 10 am
9:00 AM		20 Minute Talk: Karola Dette, University of Toronto - From Particle Physics to Astrophysics					Mini-présentation: Karola Dette, Université de Toronto - De la physique des particules à l'astrophysique				es 20 Minute Talk: Karola Dette, University of Toronto - From Particle Physics to Astrophysics				Karola Dette, Univ	ersity of Toronto -	From Particle		AV (1)
9:30 AM 9:45 AM	Opening Event (9:30 - 10:00) - Richard Franz, Maurice (OSC),	Workshop 1A	Workshop 1B	Workshop 1C	Workshop 1D	Atelier 1A	The state of the s	Atelier 1C	Atelier 1D		Workshop 1B	Workshop 1C	Workshop 1D	Workshop 1A	Workshop 1B	Workshop 1C	Workshop 1D	Exhibit are activities will be available for the public	Exhibit area activities will be available for the
		9:30 - 10:30 am	9:30 - 10:30 am	9:30 - 10:30 am	9:30 - 10:30 am	9:30 - 10:30 am	9:30 - 10:30 am	9:30 - 10:30 am	9:30 - 10:30 am	9:30 - 10:30 am	9:30 - 10:30 am	9:30 - 10:30 am	9:30 - 10:30 am	9:30 - 10:30 am	9:30 - 10:30 am	9:30 - 10:30 am	9:30 - 10:30 am		public
		What keeps us stuck to the Earth? (EN)		Particle Surprise in a Cloud Chamber (EN/FR)	a Celestial Luminescence	Qu'est-ce qui nous garde les pieds sur Terre? / What keeps us stuck to the	Jouer avec les données (EN/FR)	Surprise de particules dans une chambre à nuages (EN/FR)	Celestial Luminescence	What keeps us stuck to the Earth? (EN)	Playing with Data (EN)	Particle Surprise in a Cloud Chamber (EN/FR)		What keeps us stuck to the Earth? (EN)	Playing with Data (EN)	Particle Surprise in a Cloud Chamber (EN/FR)	Celestial Luminescence	People to be within the exhibit area to support the programming	People to be within the exhibit area to support the programming
10:00 AM		Perimeter Institute	CMS - CERN,	ATLAS, CMS,	York University	Earth?(EN) Institut Périmètre	CMS - CERN,	ATLAS, CMS,	York University	Perimeter	CMS - CERN,	ATLAS, CMS,	York University	Perimeter	CMS - CERN,	CMS - CERN	York University	7	
10:15 AM			University of Notre Dame	CERN	100000000000000000000000000000000000000		University of Notre Dame	CERN	Alana Marana	Institute	University of Notre Dame	CERN		Institute	University of Notre Dame	(2005) (1005)	117555555555555	Open till 8:00 pm	Open till 6:00 pm
		Kelly Foyle and Kevin Donkers	Tom McCauley	Michael Hoch	Robin Kingsburgh	Dave Vrolyk et Nathan Chow	Tom McCauley	Michael Hoch	Robin Kingsburgh	Dave Fish and Damian Pope	Tom McCauley	Michael Hoch	Robin Kingsburgh	Olga Michalopoulos	Tom McCauley	Michael Hoch	Robin Kingsburgh		2007 ES
		30 students	30 students	30 students	15-20 students	30 étudiants	30 étudiants	30 étudiants	15-20 étudiants	30 students	30 students	30 students	15-20 students	30 students	30 students	30 students	15-20 students	Pop up Public Talks	Pop up Public Talks
10:30 AM	Science Flash Mob (10:00 - 10:45)	RPS Hall	Room: Workshop 4	Room: Dry Lab	Exhibit area	Salle avec des tables -RPS Hall	Salle: Workshop 4	Salle: Ecosystems Lab	Aire d'exposition	RPS Hall	Room: Workshop 4	Room: Dry Lab	Exhibit area	RPS Hall	Worskhop 4	Ecosystems Lab	Exhibit area	11 am - 20 Minute Talk: Peter Krieger, University of Toronto - ATLAS / LHC	
10:45 AM 11:00 AM 11:15 AM	Moderated Panel: Meet the Scientists and Artists! (10:45 - 11:15)	holes and the Event Horizon Telescope Exhibit Area with Scientists and Artists				-"QUI DES DEUX INSPIRE L'AUTRE: Le SCIENTIFIQUE ou L'ARTISTE?" Aire d'exposition avec les scientifiques et les artistes				- Hidden Patterns in Physics Exhibit Area with Scientists and Artists								12:00 pm - 20 minute talk: David Griffin (OCAD 1:00 pm - 20 Minute talk: Robin Kingsburgh	University)
Lunch		11:30 am - 12:15 p	m			11:30 am - 12:15 pm				11:30 am - 12:15 pm				11:30 am - 12:15 pm				3 pm - 20 minute Talk: Consensus Science Rai	
12:00 PM	The state of the s	12:15 pm - Talk in	Exhibit Area - Mich.	ael Hoch or Robin		12:15 pm - Talk in Exhibit Area - Peter Krieger				12:15 pm - Talk in Exhibit Area - Peter Krieger				12:15 pm - Talk in Exhibit Area - consensus				Volunteers Coming:	Volunteers Coming:
12:15 PM	Performance of Consensus, interactive component, Scott Wilson with the audience and then Q & A	Workshop 2A	Workshop 2B	Workshop 2C	Workshop 2D	Atelier 2A	Atelier 2B	Atelier 2C	Atelier 2D	Workshop 2A	Workshop 2B	Workshop 2C	Workshop 2C	Workshop 2A	Workshop 2B	Workshop 2C	Workshop 2C	Peter Krieger (ATLAS Canada, Professor, U of	· · ·
12:30 PM		12:45 - 1:45 pm	12:45 - 1:45 pm	12:45 - 1:45 pm	12:45 - 1:45 pm	12:45 - 1:45 pm	12:45 - 1:45 pm	12:45 - 1:45 pm	12:45 - 1:45 pm	12:45 - 1:45 pm	12:45 - 1:45 pm	12:45 - 1:45 pm	12:45 - 1:45 pm	12:45 - 1:45 pm	12:45 - 1:45 pm	12:45 - 1:45 pm	12:45 - 1:45 pm	Michael Hoch CMS	Michael Hoch CMS
12:45 PM		Listening to Einstein's Universe (EN/FR)	Playing with Data (EN)	Accelerating Colours (EN/FR)	Science through Rap	Écouter l'univers d'Einstein (EN/FR)	Des données créatives au son (EN/FR Maybe)	Accélérer les couleurs (EN/FR)	La science à travers le rap	Listening to Einstein's Universe (EN/FR)	Creative Data to Sound (EN)	Accelerating Colours (EN/FR)	Science through Rap	Listening to Einstein's Universe (EN/FR	Creative Data to Sound (EN)	Accelerating Colours (EN/FR)	Science through Rap	Wen Yi Song (ATLAS Canada, York University	P Bianca Ciungu (ATLAS Canada Toronto M
1:00 PM	Workshops and Activities in Exhibit	LIGO, University of Glasgow	CMS - CERN, University of Notre Dame	CMS - CERN, Collaborative Artist from Montreal working in France	Consensus	LIGO, University of Glasgow	BEER, University of Birmingham	CMS - CERN, Collaborative Artist from Montreal working in France	Consensus	LIGO, University of Glasgow	CMS - CERN, University of Notre Dame	CMS - CERN, Collaborative Artist from Montreal working in France	Consensus	LIGO, University of Glasgow	BEER, University of Birmingham	CMS - CERN, Collaborative Artis from Montreal working in France	Consensus t	Lisa Cole	Lisa Cole
United States of the States of	Activities in the exhibit area	Martin Hendry	Tom McCauley	Michael Hoch and Brigitte Tessier	Antoine Gittens-Jackson	Martin Hendry	Scott Wilson	Michael Hoch	Antoine Gittens-Jackson	Carl-Johan Haster	Tom McCauley	Michael Hoch	Antoine Gittens-Jackson	Heather Fong	Scott Wilson	Michael Hooh	Antoine Gittens-Jackson	Consensus	Vincent Pascuzzi (ATLAS Canada Toronto
		30 students	30 students	20 students	20 students	30 étudiants	30 étudiants	20 étudiants	20 étudiants	30 students	30 students	20 students	20 students	30 students	30 students	20 studnets	20 students	Brigitte Tessier	The state of the second desired
	Interaction with staff, scientists in the staff		Dry Lab	Exhibit Area	Room: Studio 3	RPS Hall	Workshop 4	Aire d'exposition	Salle : Dry Lab		Worshop 4	Exhibit Area	Room: Studio 3	Room: RPS Hall		Exhibit area	Dry Lab	Bianca Ciungu (ATLAS Candada MSc Student,	Toronto)
and the face of the face of the face of		Activities in Exhibi	Deck Comments of the Comments of the		and the second of	The state of the s	aire d'exposition (que	the same of the sa	Name and Address of the Owner, when the Owner, where the Owner, which is the Owner	Control of the Contro	nibit Area with Q 8			Participation and participatio	nibit Area with Q &		The same	The property of the property of the property	
2:15 PM		THE STATE OF THE S					I due							- Contract of En					
	Departure at 2:30 pm	Departure at 2:30 pm				Départ à 2:30 pm				Departure at 2:30 pm				Departure at 2:3	0 pm				
	Open till 6:00 pm				Transfer to the state of the st				Open till 6:00 pm				Open till 6:00 pm						
						Evening Talk - 7:0	00 pm												



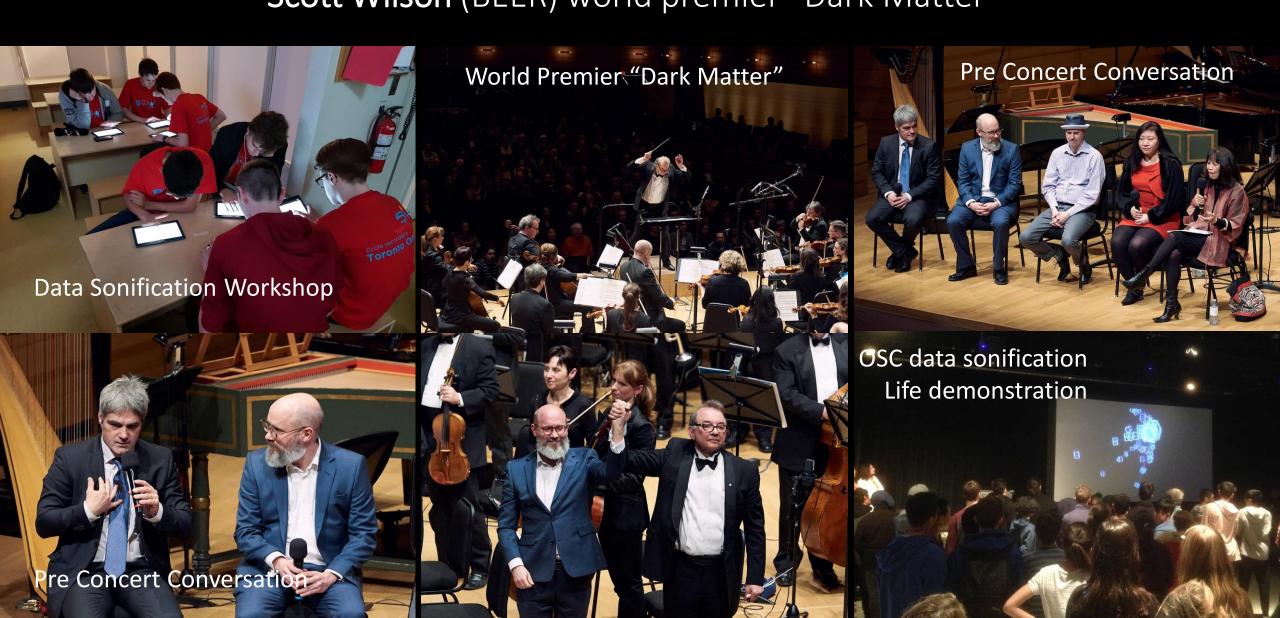


Exhibition & Great Conversation Evening

"Science engagement through the Arts"



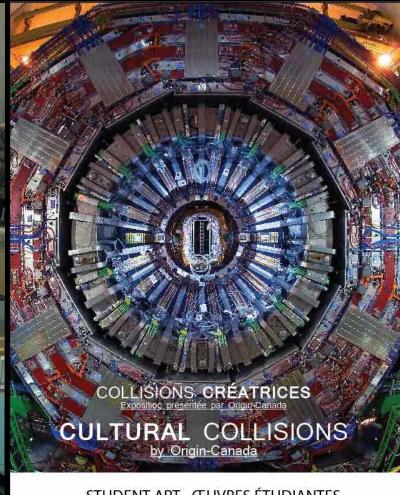
Concert at the Royal Music Conservatory Scott Wilson (BEER) world premier "Dark Matter"





Second Exhibition - Student Results - artWorks





STUDENT ART ŒUVRES ÉTUDIANTES INSPIRED BY SCIENCE INSPIRÉES PAR LA SCIENCE

From May 29 to June 1, 2018 Du 29 mai au 1ª juin 2018

Danforth Collegiate and Technical Institute École secondaire Toronto Ouest University of Toronto School









Student Exhibition Opening – Rap & Dance Performances



