

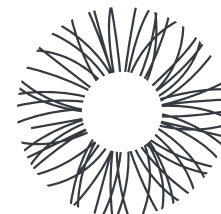
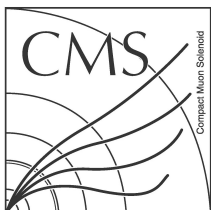
connecting science & society

through

creative education & outreach

Angelos Alexopoulos | CERN

{on behalf of art@CMS team}



art@CMS
art of science
beauty in creation

creativity

is the

process of applied imagination

Sir Ken Robinson

“An essential first thing in being creative yourself is to question your own way of looking at things”

Source: [The Guardian](#)



reach out to society

through

creative & participatory activities



“As never before there is an opportunity for science and art to fuse”

Ian Shipsey
University of Oxford



art@CMS

is about

expanding STEM education

through

arts immersion

Students who are involved in the arts are:

4 times more likely to participate in a math & science fair

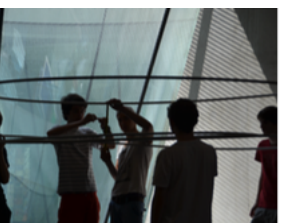
3 times more likely to win an award for school attendance

4 times more likely to be recognized for academic achievement

Source: Americans for the Arts (2013)

art@CMS

5-7 Jun 2013 1st SciArt workshop | Graz, Austria

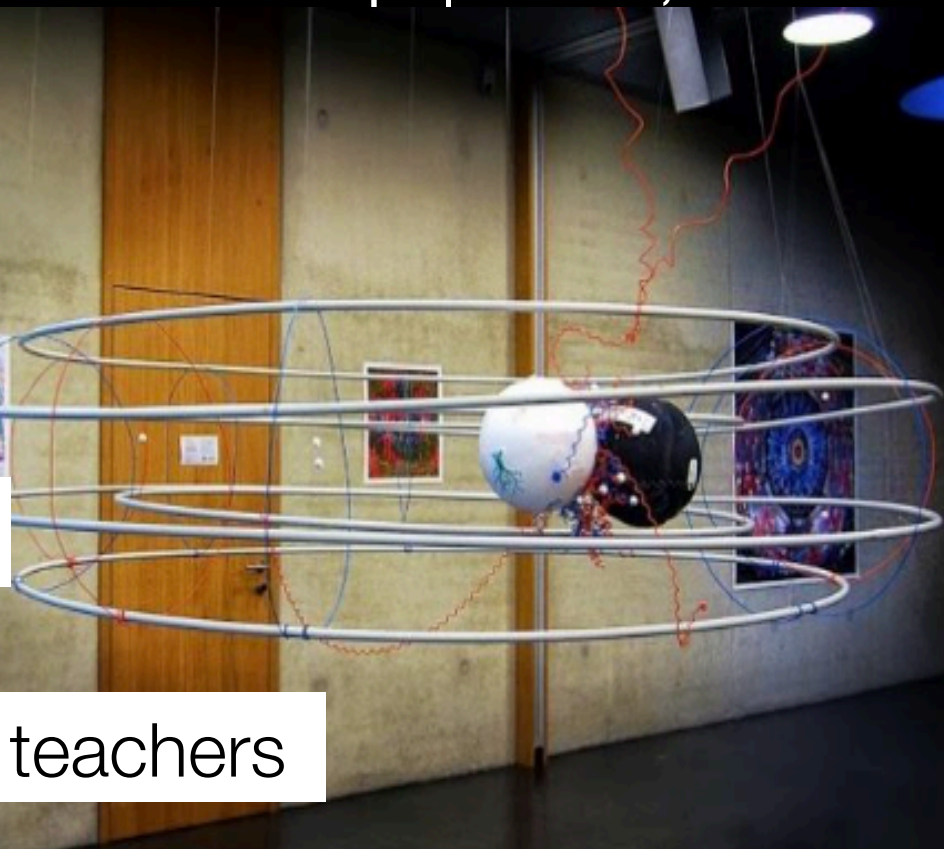


62 students 2 schools

4 HEPHY scientists

2 art teachers 2 science teachers

The Incredible Science-Art Collider by students in Graz, Austria (Image: Michael Hoch)



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E&O activities 2012-15

*as of 15 July 2015

symmetry dimensions
of
particle
physics

home departments science topics image bank archives



Photo by Rainer Hahn, Fermilab

feature
April 16, 2015
Seeing the CMS experiment with new eyes
The wonders of particle physics serve as a springboard for a community-building arts initiative at Fermilab.



art@cms
exhibitions

science&art
workshops

33
exhibitions

20
cities

12
countries

103k
visitors

10
workshops

6
cities

6
countries

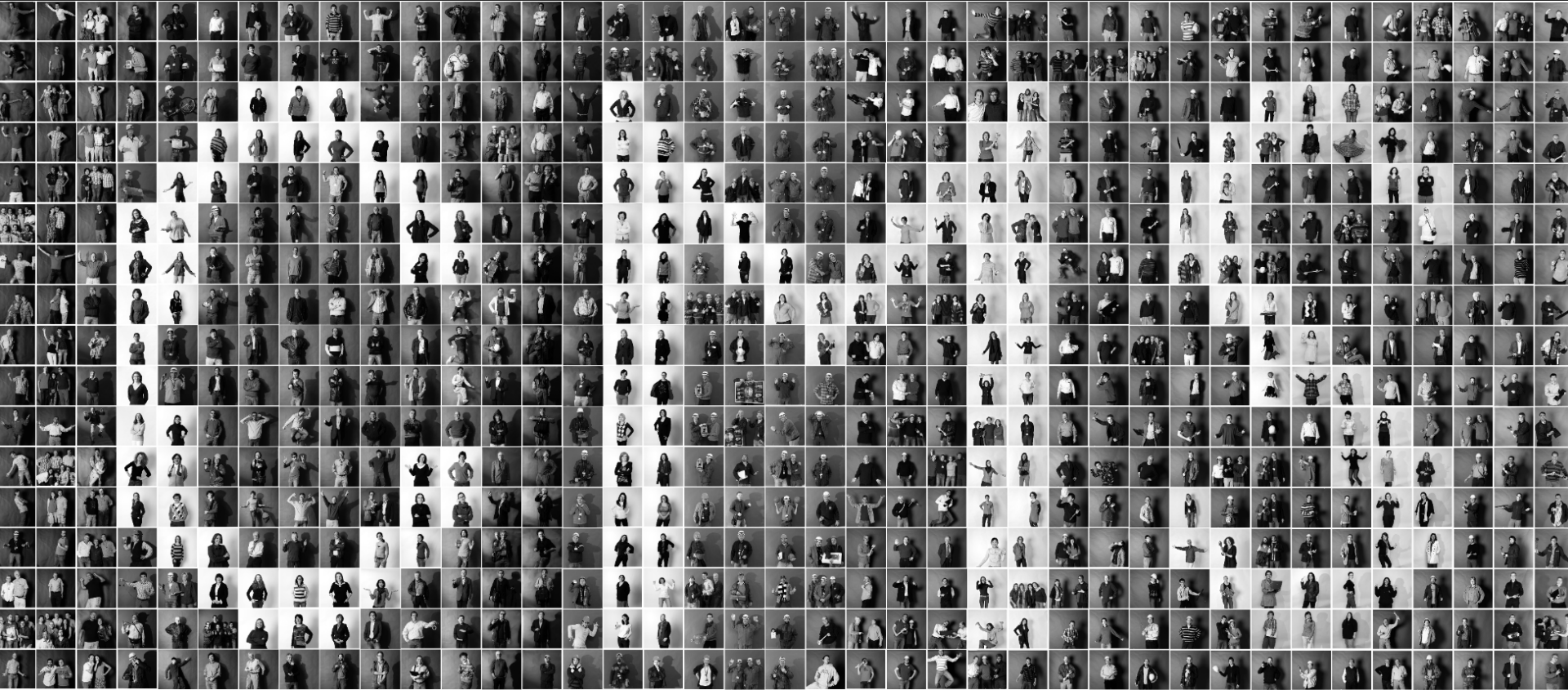
320
students

SciArt

Int'l School of Geneva | Apr-Jun15



art@CMS wouldn't be possible without



Michael HOCH
HEPHY/CERN

Angelos ALEXOPOULOS
CERN

Michael Hoch
Faces of CMS, 2011
Digital print
8m x 3m

Achille PETRILLI
CERN

Mick STORR
U of Birmingham/CERN