



Online Science Shows

Teacher and Student Forum

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Online Science Shows

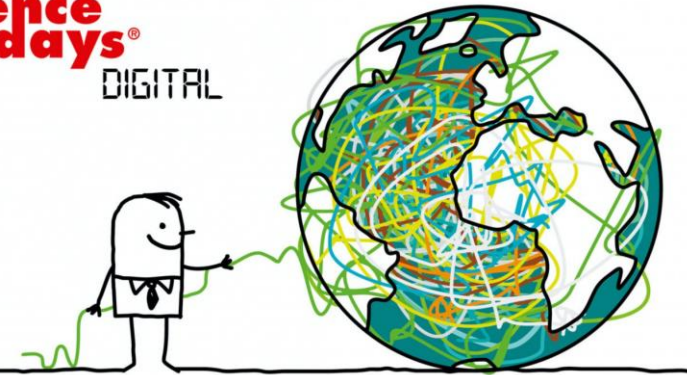
- **Need for interactive online content**
 - S'Cool LAB+
 - Science Days Digital (6 shows in November)
- **Should become part of the permanent offer**
 - Expand virtual content
 - Enhance outreach
 - Use of resources despite the stop of on-site activities

S'Cool
LAB

19.10. – 29.11.2020

Das Online-Festival zum Mitmachen

science
days®
DIGITAL

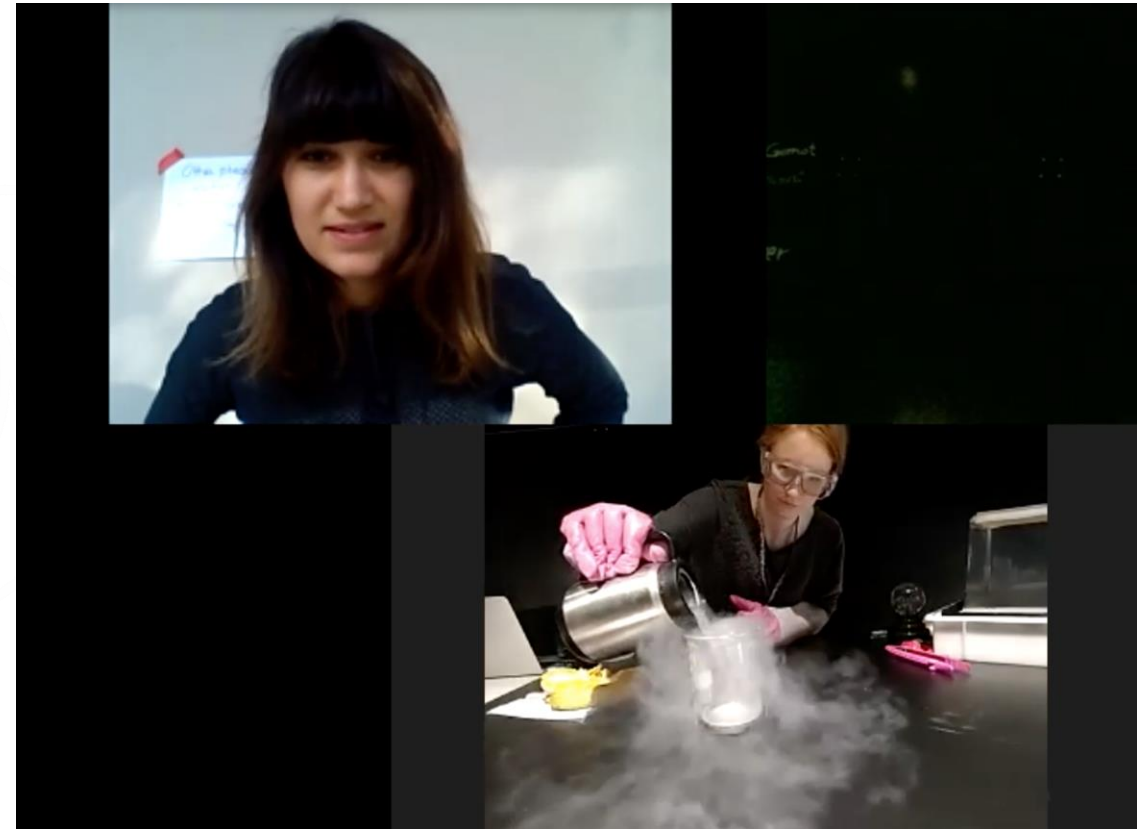


www.2020.science-days.digital

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Online Science Shows

- **Two interactive science shows:**
 - It's just a phase!
 - Superconductors take off!
- **Live science demonstrations**
- **Interactivity through ZOOM**
 - Quiz questions
 - Choosing the hypothesis
 - Choosing/manipulating the experiments
 - Question & Answer



Science show 1: It's just a phase!



- **Key ideas:**

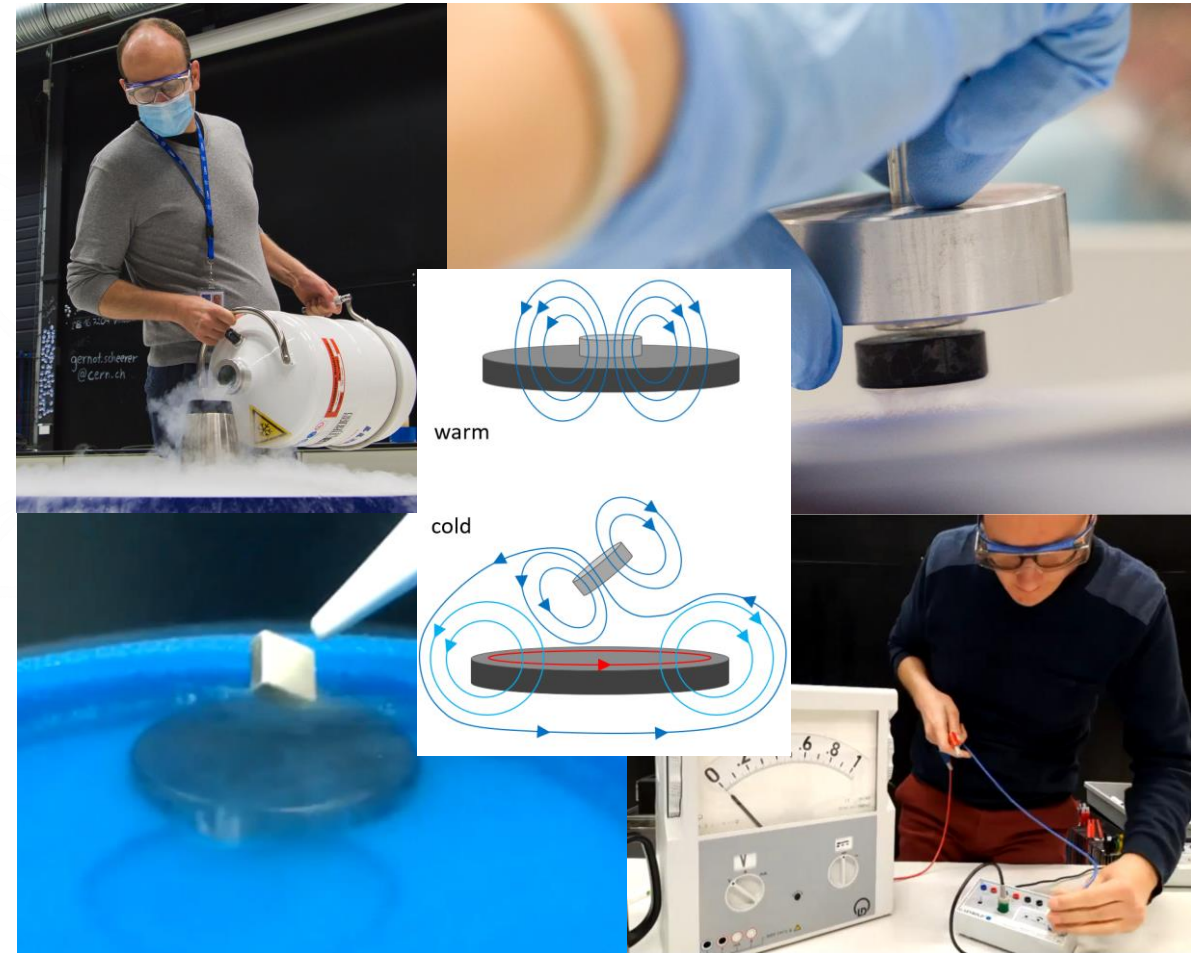
1. There are more than 3 states of matter.
2. Matter can go from one state to another during phase transitions.
3. Phase transitions depend both on temperature and pressure.

- **Age group: 12-16 years**

- **Languages: English, German**

Science show 2: Superconductors take off!

- **Key ideas:**
 1. A new state of matter
 2. Exiting phenomena
 - zero resistance
 - magnetic interaction
 3. Essential for modern technologies (MRI, LHC, ITER,...)
 4. Fundamental science is essential for the development of techniques
- **Age group: 14 – 19 years**
- **Languages: English, French, German**



General feedback

- **Students, teachers, and colleagues alike found it enjoyable and instructive.**
- **Shows generated several questions.**
- **Teachers showed interest for shows in classrooms.**
- **The shows continue to evolve based on the feedback and experience.**

Present and Future

- **CERN voisins**
 - Complete virtual offer now online
 - Advertised by newsletter
- **Direct offer to:**
 - Teacher networks
 - "VIP" schools

Further development:

- More interactivity!
- Translation into other languages
- New volunteers

Shows scientifiques en ligne

Apprenez la physique de manière amusante grâce à nos show scientifiques en ligne. Les élèves peuvent participer aussi bien en classe qu'à la maison!



Merci bien!

Questions?

