a film on the quest for fusion energy

version originale anglaise - sous-titrée français – durée 52’

visite possible du Swiss Plasma Center, EPFL, après le film
avec inscription nécessaire jusqu’au mercredi soir 29 août
sur https://epfl.doodle.com/poll/7mtwthuqpei2pq44

LET THERE BE LIGHT

Vendredi 31 août - 13h30

EPFL - salle CE 6

projection publique - entrée libre

⟨S|P|S⟩ swiss physical society

Réunion Annuelle de la Société Suisse de Physique
EPFL - 28-31 août 2018

Public Presentation: *Let there be light*, a film on the quest for fusion energy

This time, for once, the conference will be closed by a film on Friday 31 August, 13:30h.

This documentary on fusion energy research uses the form of interviews of physicists and engineers, either from the large international project ITER at the halfway point of its construction in the south of France and involving many partner countries, or other smaller projects mainly in North America. Directed by two Canadian filmmakers, Mila Aungh-Thwin and Van Royko, it follows researchers in their daily lives. Thus, not only does it show us large experimental facilities while recalling the important milestones in the history of fusion, but it also leads us to the heart of what motivates researchers to dedicate their lives to see the realization of fusion energy. There is a good balance between the scientific and the social aspects in this film, which was one of the top 10 Canadian films in 2017. This film represents a solid introduction to the subject and a useful update on the state of the art for those already familiar with the subject, but it is primarily intended for a large non-scientific audience.

Mark Henderson, responsible for Electron Cyclotron Wave Heating and Current Drive at ITER and at the same time one of the main protagonists of the film, sharing motivations with workers constructing ITER bioshield. © Let there be Light.

One of ITER superconducting toroidal field coil built in Italy, ready to ship to ITER. © Let there be Light.

After “ITER, An essential step towards fusion energy”, the plenary talk by Tim Luce depicting in all its scientific rigor the implementation of ITER scientific program to realize and to study burning plasmas, ***Let there be Light*** describes with the means of a documentary film the research on fusion in the wider context of the search for a sustainable, clean, safe and inexhaustible source of energy with low carbon emission.

By way of introduction, a 3-minutes film resulting from a long weekend training course on *how to communicate science* and made by students, “Sun in a box” (see *SPG Mitteilungen* Nr. 54, p. 36), gives us a peek at a poetic approach of communicating science.