



Canadian Association
of Physicists

Association canadienne
des physiciens et physiciennes

Contribution ID: 2452

Type: **Invited Speaker / Conférencier(ère) invité(e)**

History of μ SR: Applied Particle Physics

Thursday, 6 June 2019 11:15 (30 minutes)

I will review the history of muon spin rotation/relaxation/resonance (μ SR), from its origins in elementary particle physics through its evolution into an essential probe of molecular and materials science, noting how each solution to a *problem* for one use of muons engendered *opportunities* for other uses. Canada has played a disproportionate role in this saga, in a series of technological “firsts” that are now indispensable tools in laboratories around the world. After tracing the path from 1957 to the present, I will speculate about possible futures for μ SR.

Primary author: Prof. BREWER, Jess H. (TRIUMF & UBC)

Presenter: Prof. BREWER, Jess H. (TRIUMF & UBC)

Session Classification: R1-1 History of Physics (DHP) | L'histoire de la physique (DHP)

Track Classification: History of Physics / Histoire de la physique (DHP)