

$\mu\mathcal{SR}$

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In the past few decades, muon spin rotation/relaxation/resonance ($\mu\mathcal{SR}$) has become an indispensable experimental tool of condensed matter physics, chemistry and other material science disciplines. I will outline the basic physics and technology that make $\mu\mathcal{SR}$ possible, the principal $\mu\mathcal{SR}$ techniques and their main areas of application. Then I will stop for questions. If, after a short break, people want to hear more about one of the highlights of recent $\mu\mathcal{SR}$ work at TRIUMF, I will go into extra detail about whichever of the following subjects the audience chooses:

$\mu^- \mathcal{SR}$
TF – $\mu^+ \mathcal{SR}$ and the Vortex Lattice
ZF – $\mu^+ \mathcal{SR}$ and Magnetic Superconductors
Muon & Muonium States in Matter
Brewer Ad for Grads

See <http://musr.org/~jess/ppt/UNBC/> for pre- or postview.