Muon Galaxy: facilitating FAIR data analysis in

muon science

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New features

Muon tools and workflows

Community expansion

Muon Spectroscopy Computational Project

Command-line modelling tools to complement experimental work

Leandro Liborio – SSI Fellowship – engages muon scientists with tools

Many users unfamiliar with CLIs – need a GUI

= Galaxy

Open source web platform for FAIR data analysis

Workflow manager designed for reproducibility & sharing

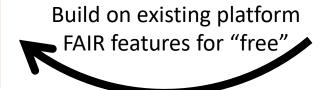
Widely used in biological sciences

Easy to extend to new areas of research

Welcoming community

Outcome:

Muon science is reproducible, more open, FAIRer & easier!





Muon:

Positively charged particle, 1/10 of the mass of a proton

Muon spectroscopy:

Implant muons in materials to study the physical properties of those materials.

Part of the wider field of materials science.

bit.ly/STFC-MSCP



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